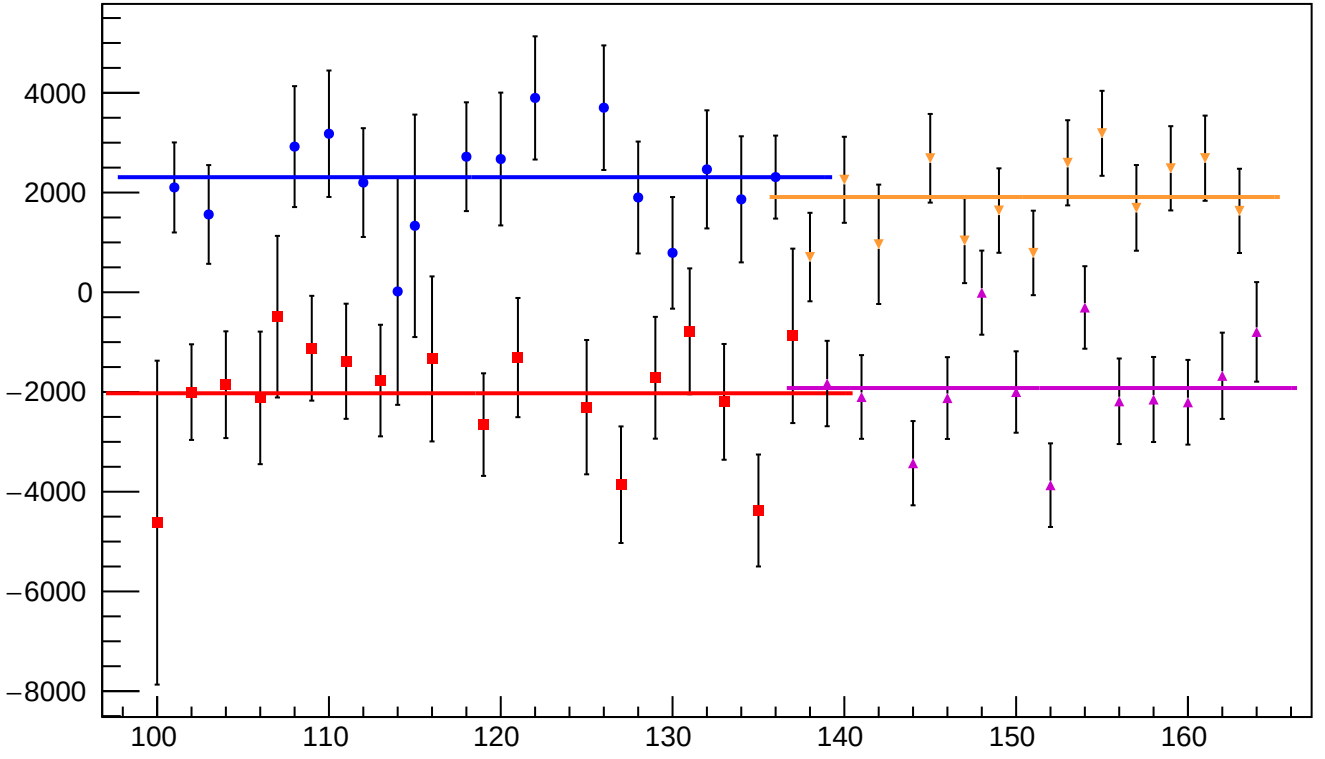
reg_asym_us_avg_mean vs Slug



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

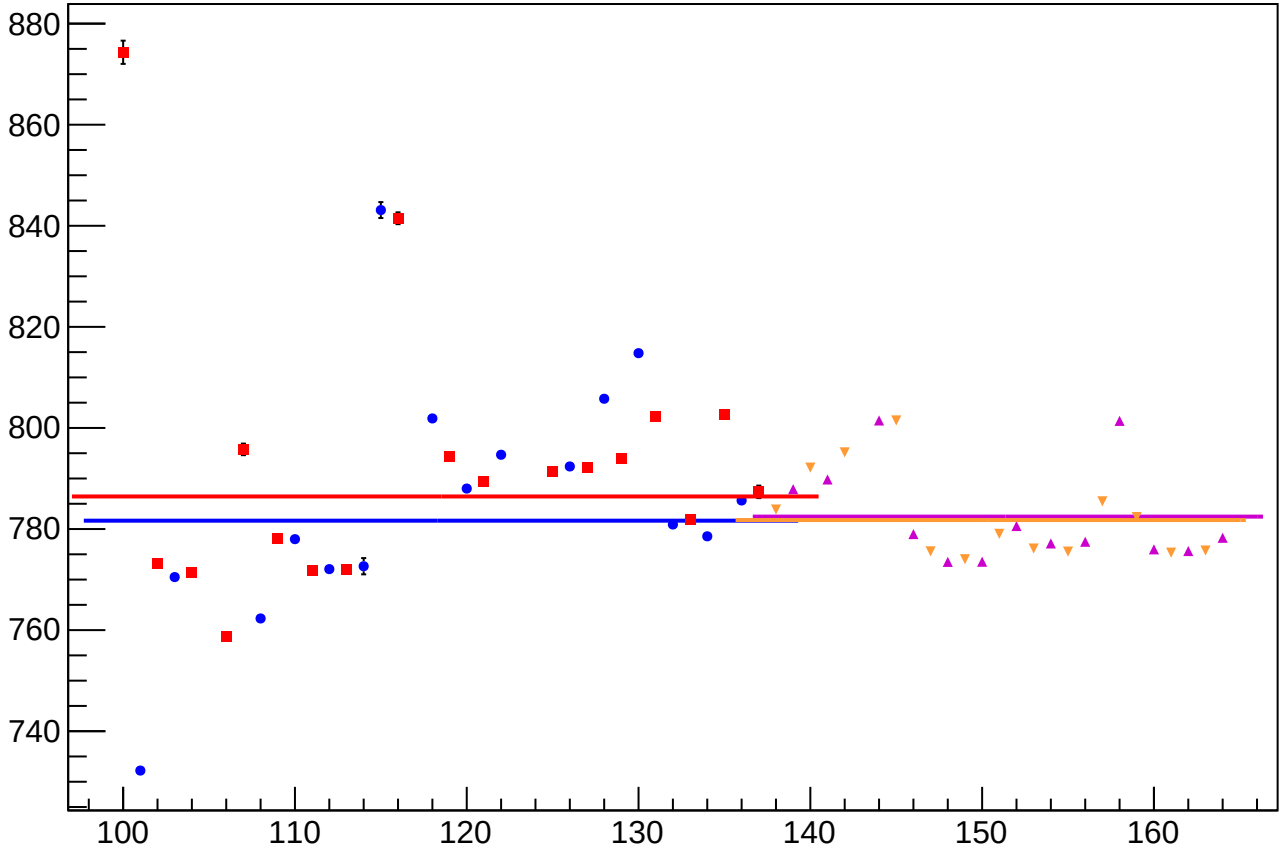
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 22.783+/-130.530 χ^2/NDF: 289.9/59

- 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: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

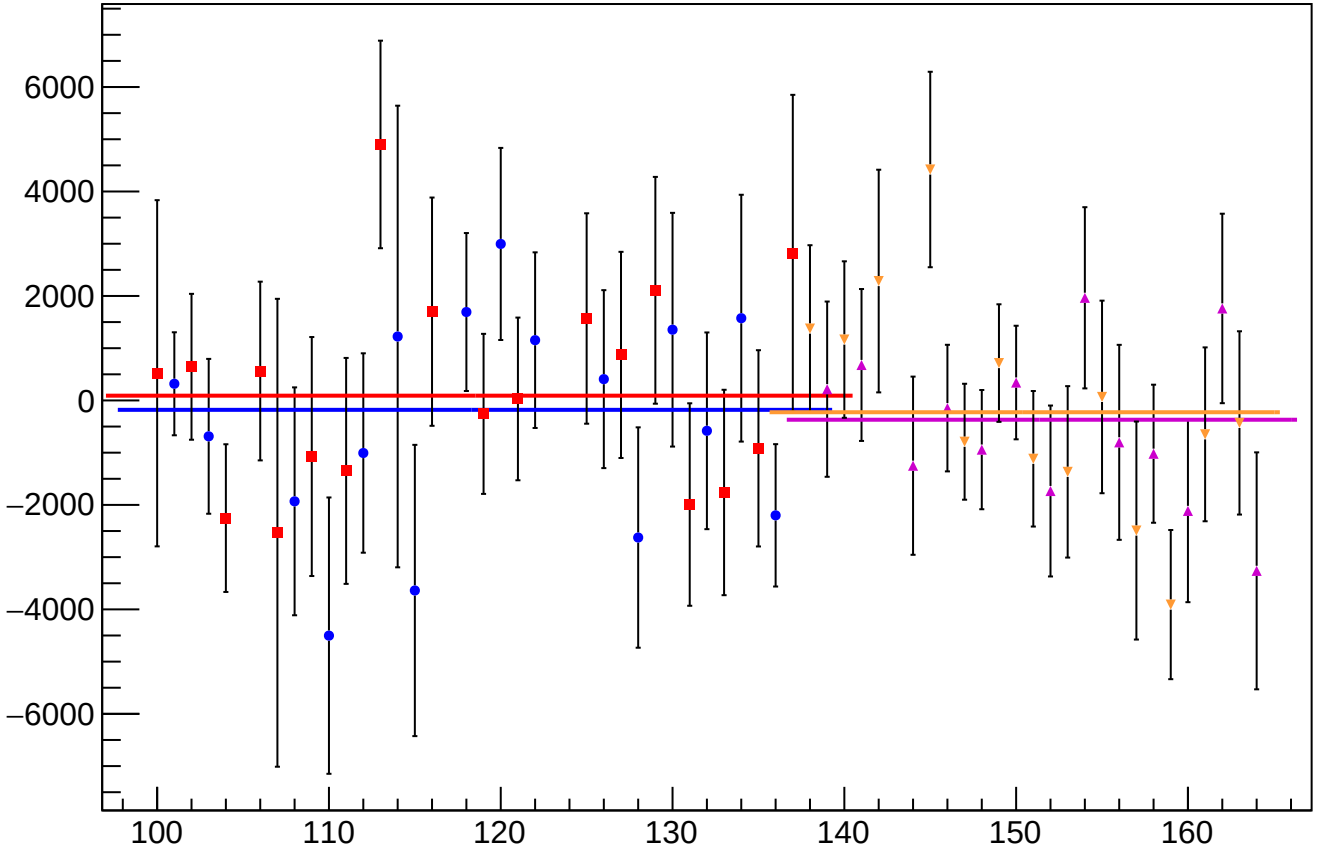
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59

- 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: -225.757+/-422.149 χ^2/NDF:19.3/12

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

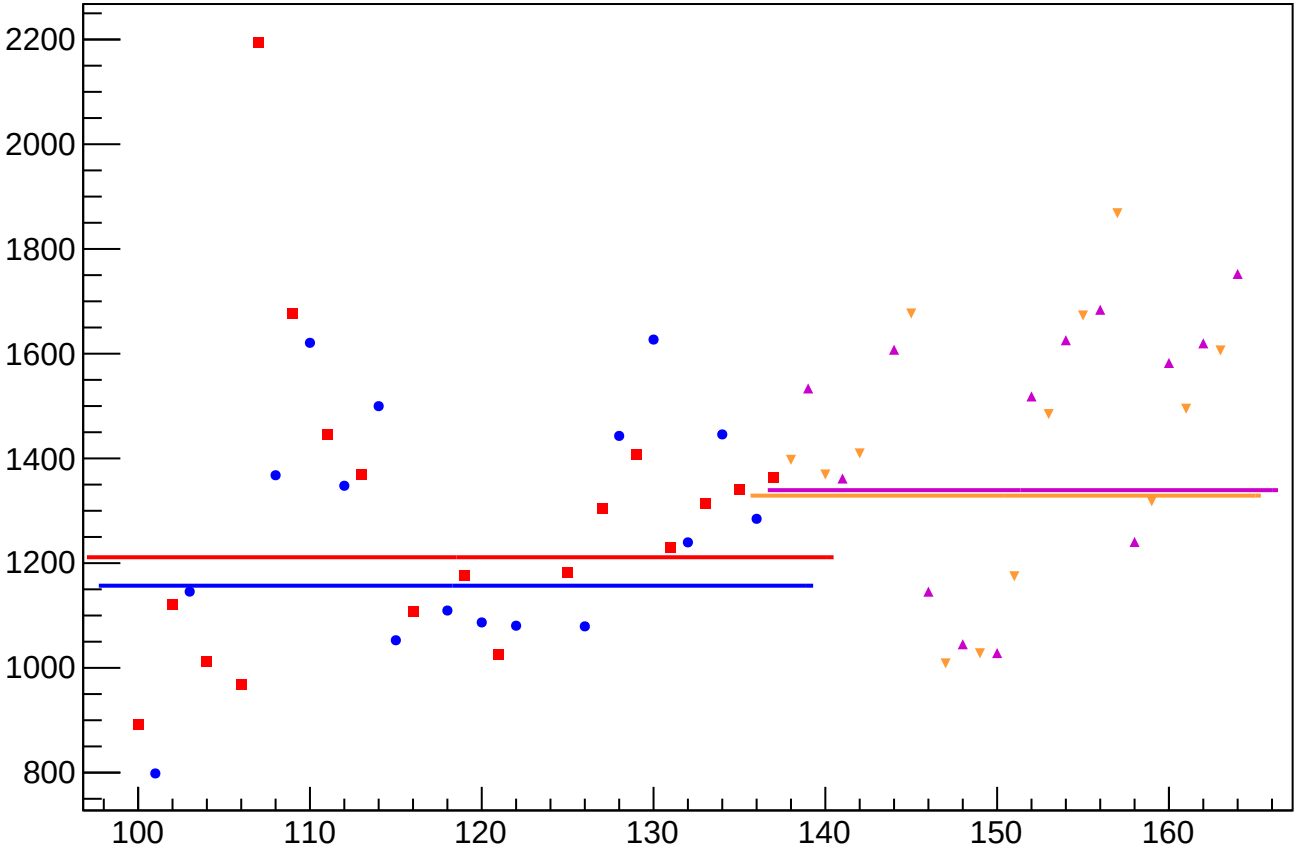
Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -182.567+/-215.910 χ^2/NDF: 58.9/59

- 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: 1328.939+/-0.299 χ^2/NDF:706234.3/12

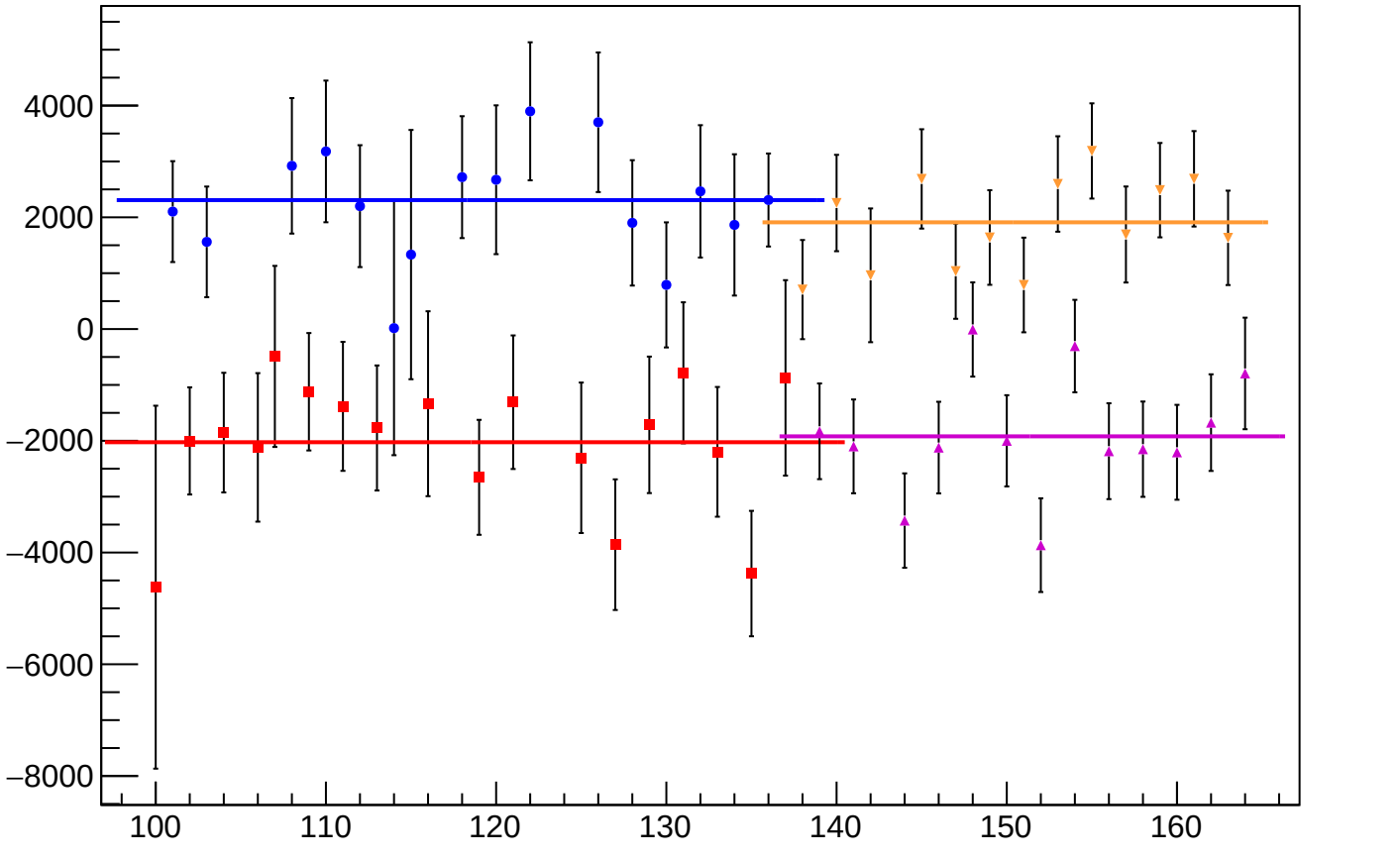
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59

- 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: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

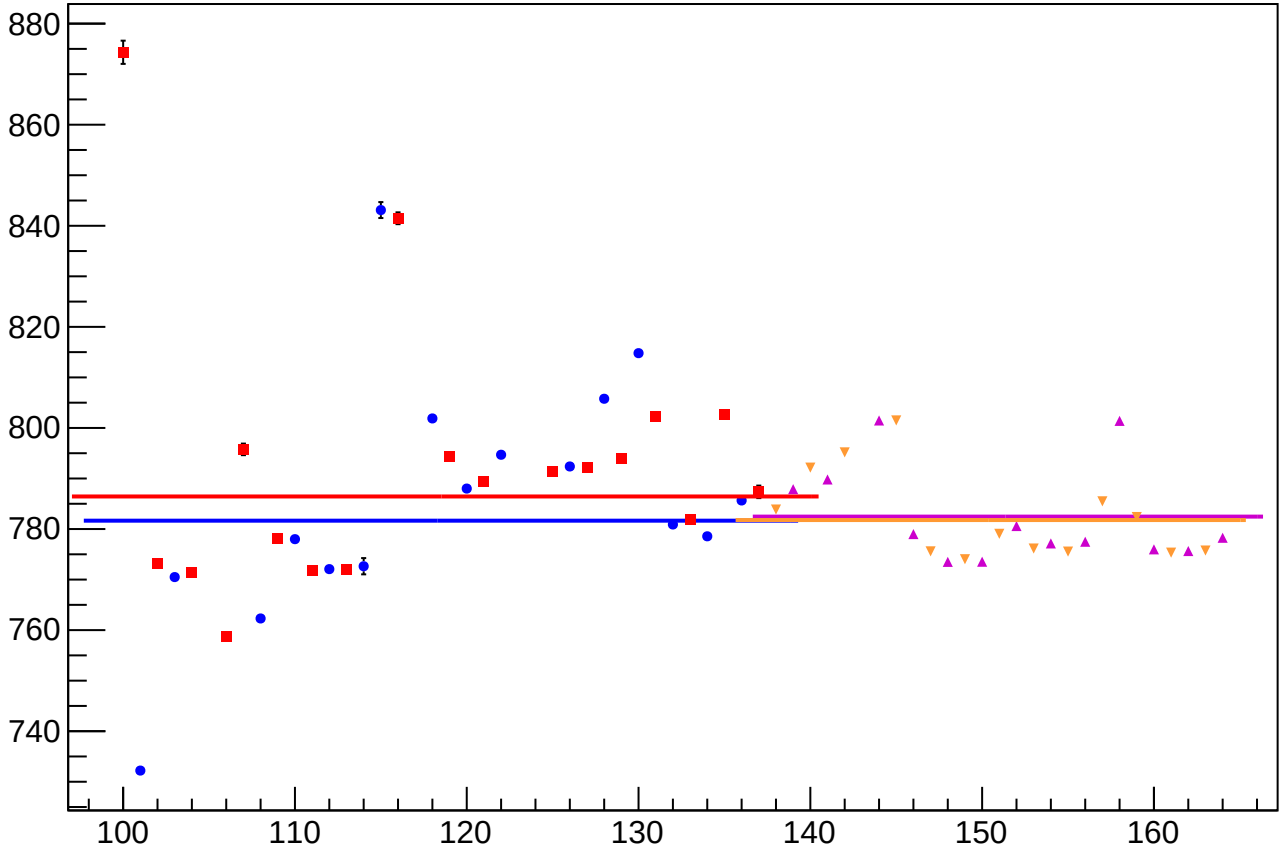
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 22.783+/-130.530 χ^2/NDF: 289.9/59

- 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: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

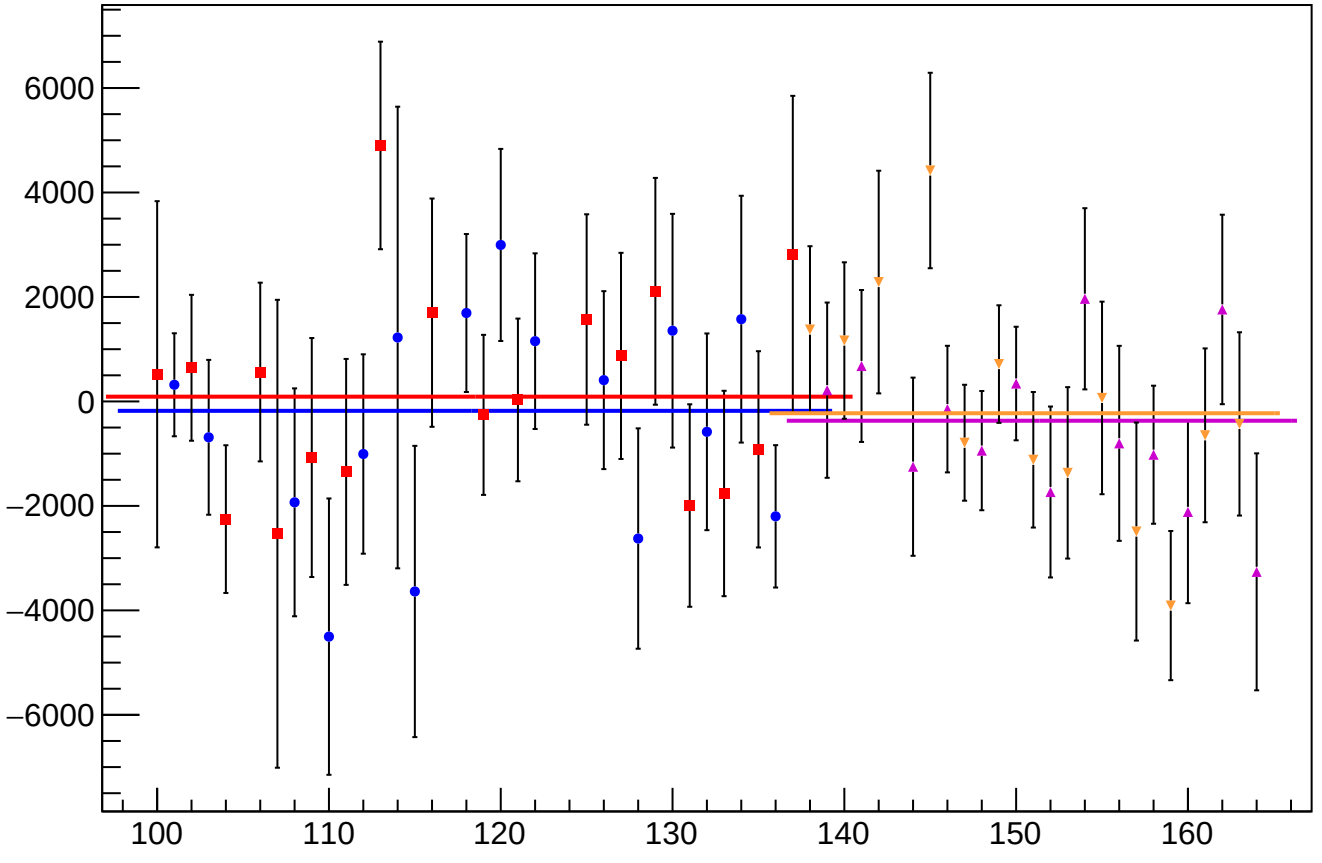
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59

- 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: -225.757+/-422.149 χ^2/NDF:19.3/12

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

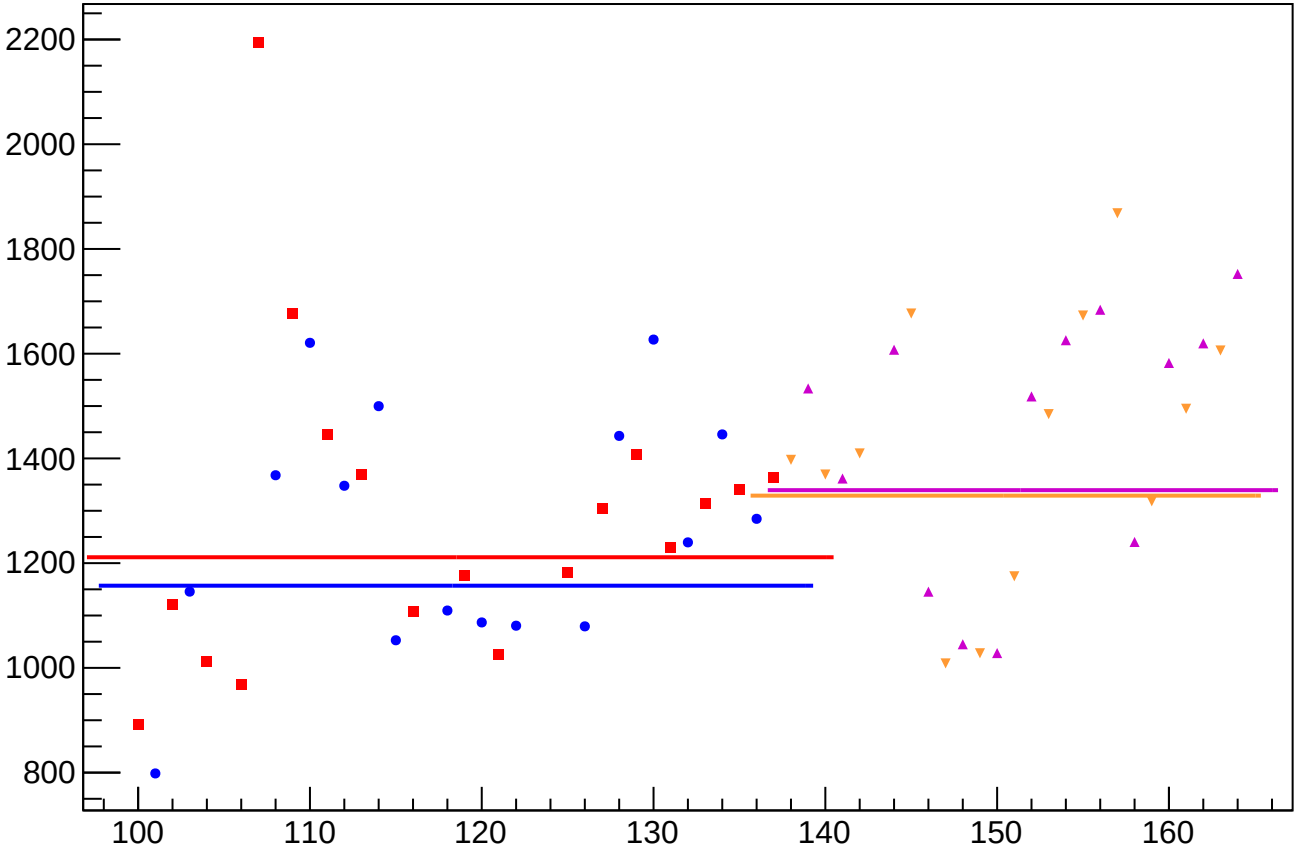
Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -182.567+/-215.910 χ^2/NDF: 58.9/59

- 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: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

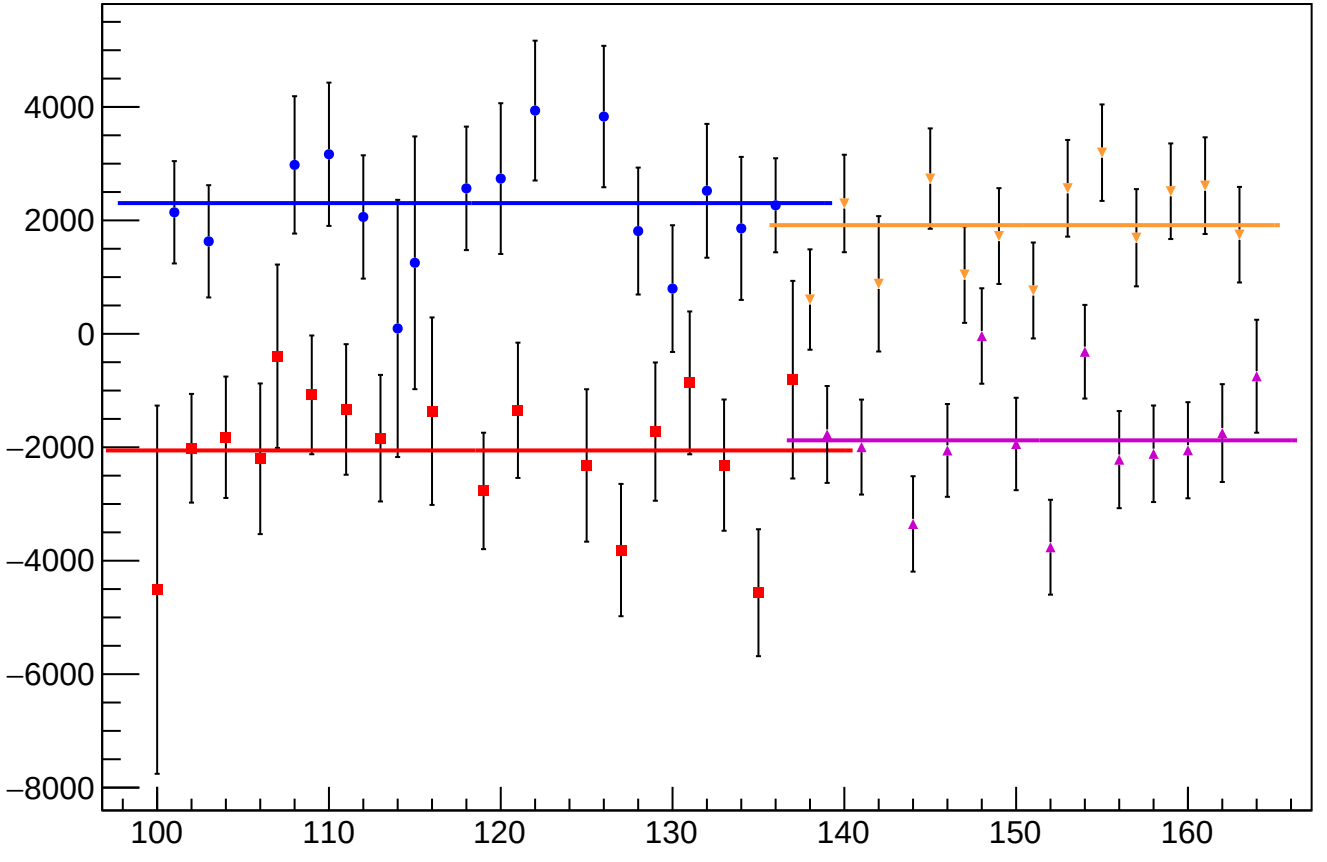
Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59

- 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: 1916.155+/-241.790 χ^2/NDF:11.1/12

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

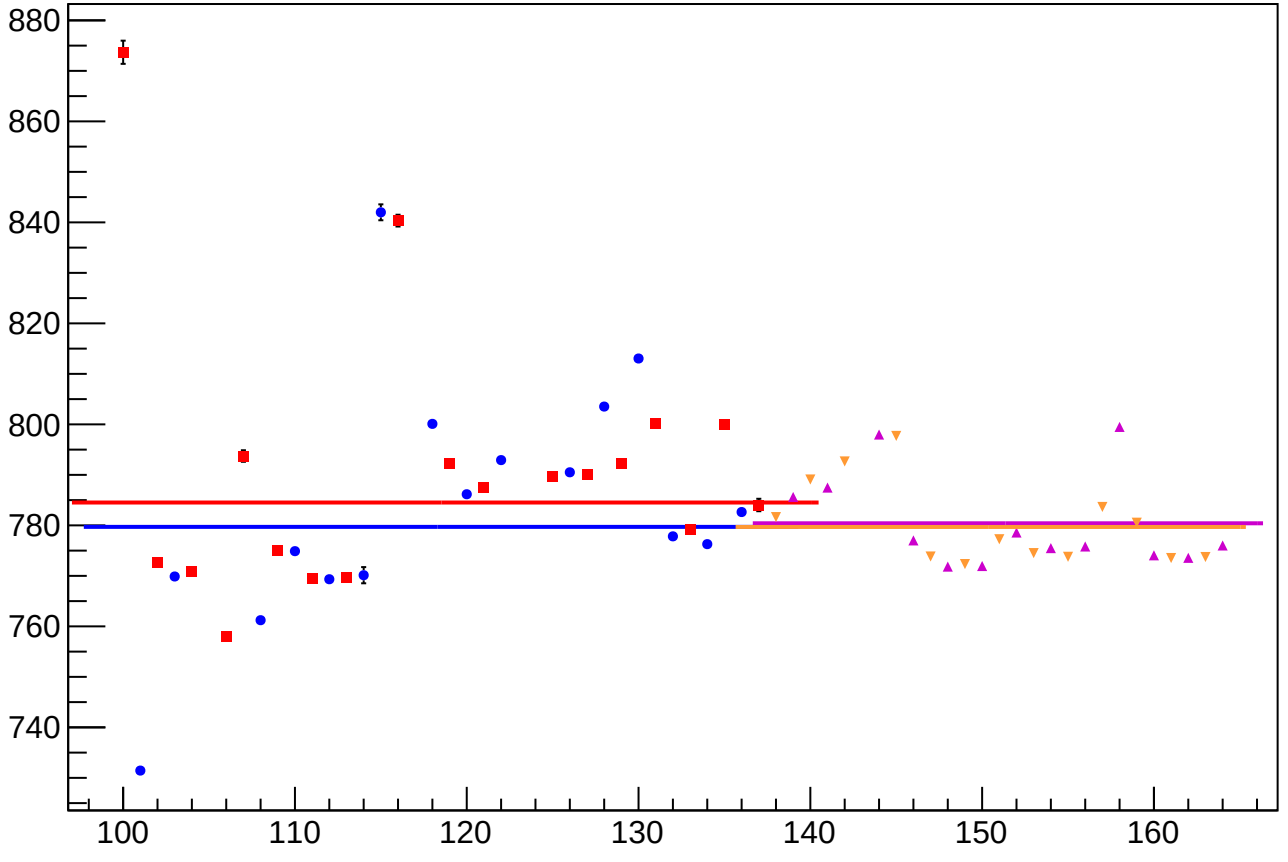
Left In: -1877.730+/-235.632 χ^2/NDF:18.2/12

+ sign 2075.745+/-185.631 χ^2/NDF: 20.2/28

All: 30.873+/-130.193 χ^2/NDF: 290.3/59

- 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: 779.684+/-0.171 χ^2/NDF:1996.8/12

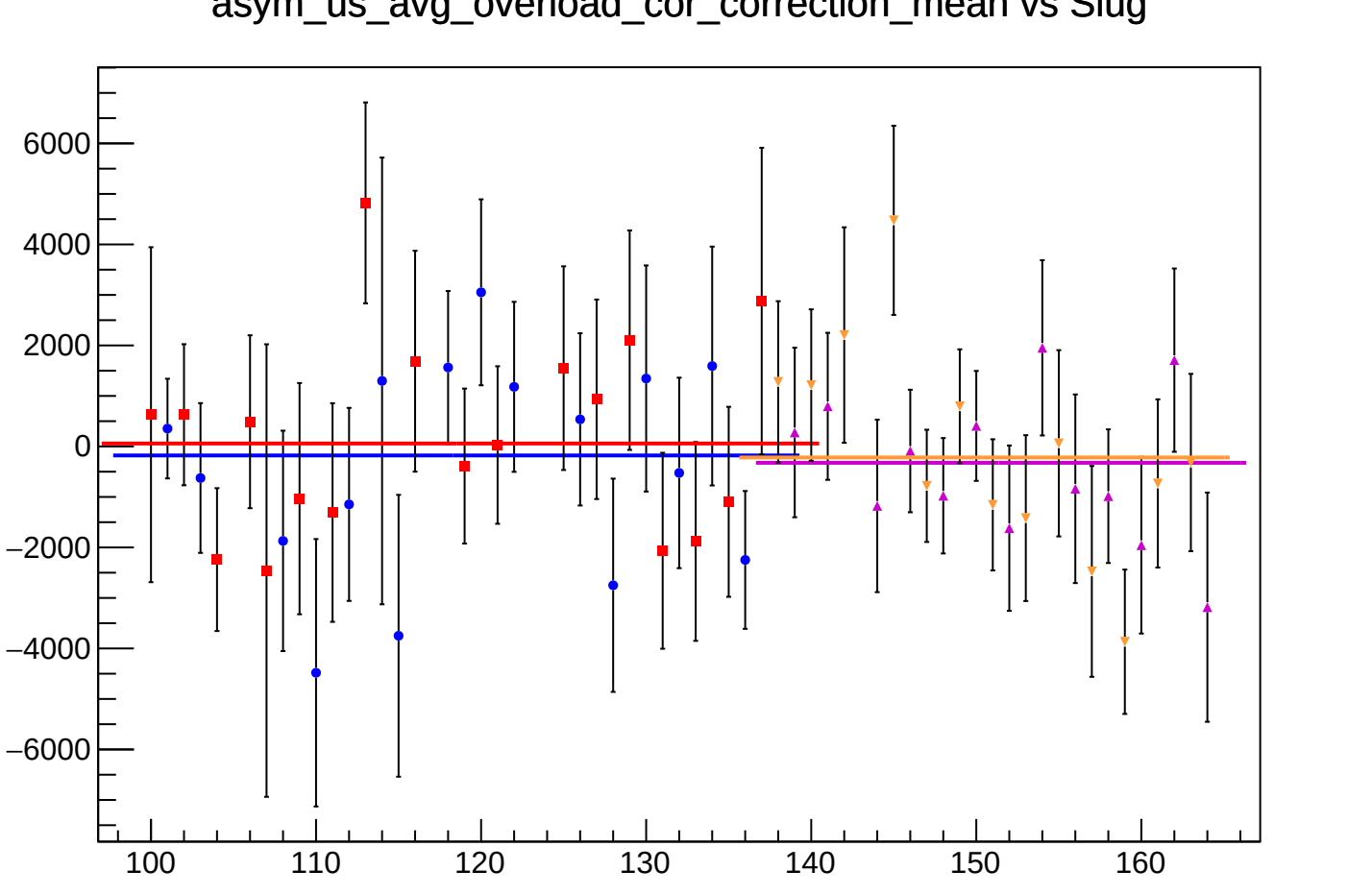
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

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

+ sign 779.692+/-0.131 χ^2/NDF: 14057.0/28

All: 780.891+/-0.092 χ^2/NDF: 24593.4/59

- 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: -218.951+/-422.561 χ^2/NDF:19.3/12

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

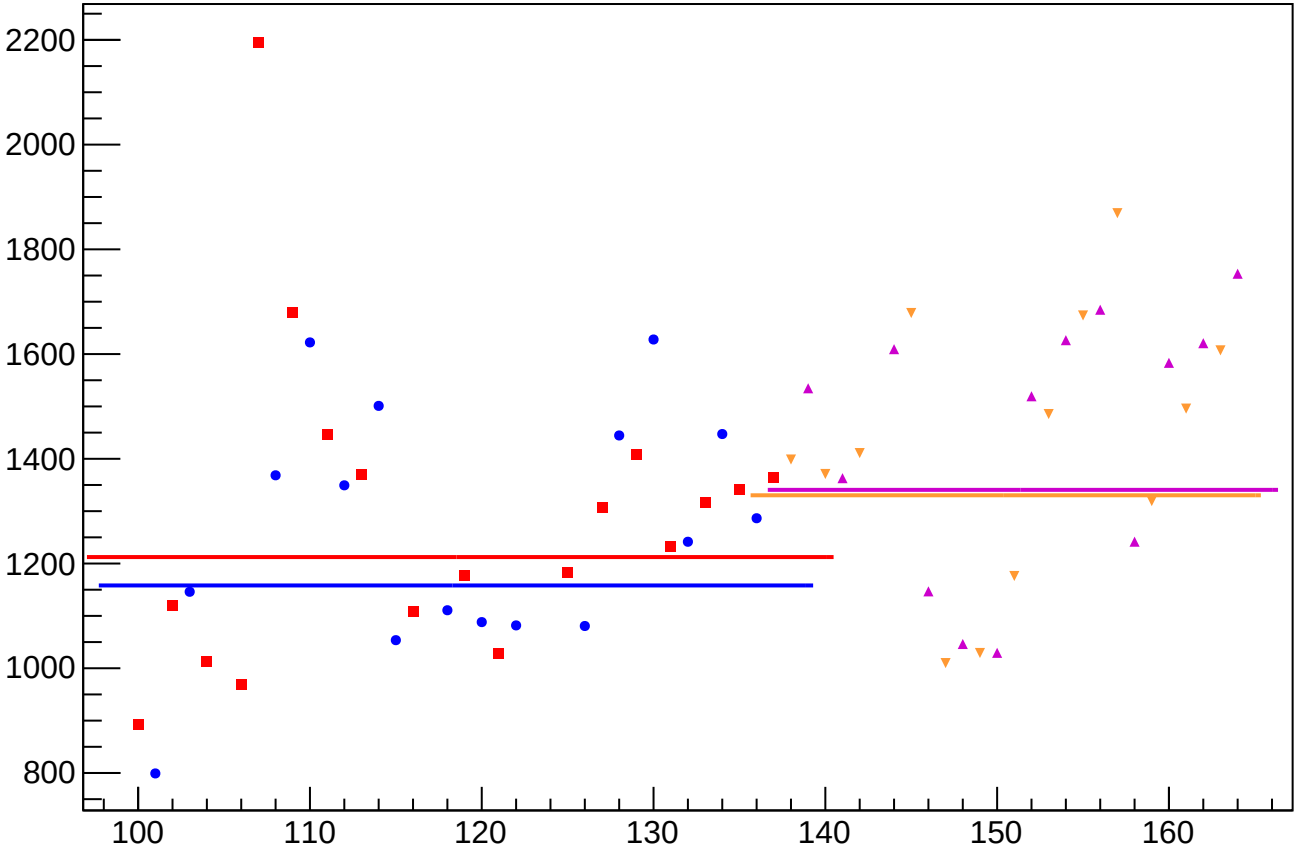
Left In: -323.953+/-413.533 χ^2/NDF:8.2/12

+ sign -199.578+/-305.178 χ^2/NDF: 35.0/28

All: -175.482+/-216.115 χ^2/NDF: 58.8/59

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

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1330.315+/-0.299 χ^2/NDF:704392.8/12

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

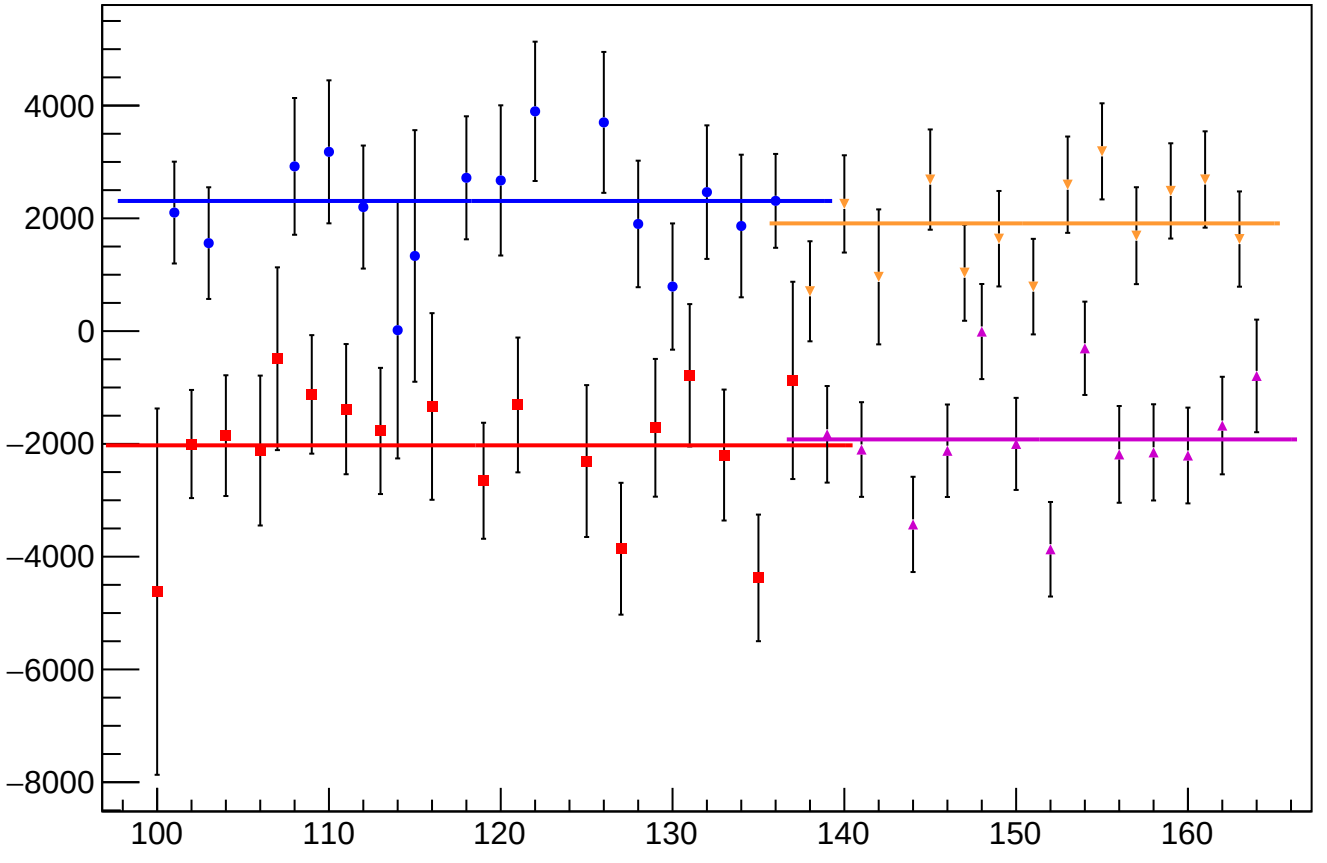
Left In: 1340.686+/-0.292 χ^2/NDF:733479.5/12

+ sign 1247.941+/-0.216 χ^2/NDF: 1432400.7/28

All: 1265.249+/-0.153 χ^2/NDF: 2663817.3/59

- 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: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

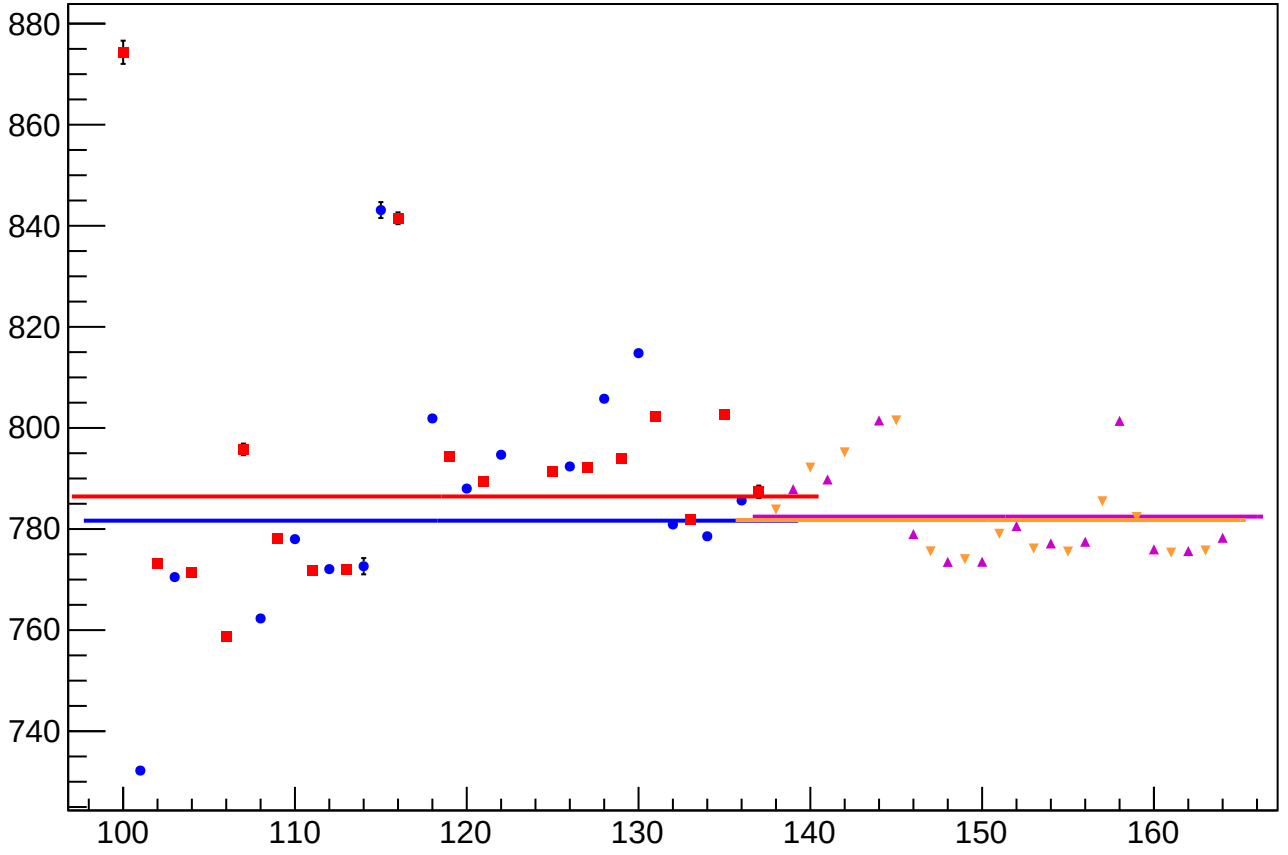
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 22.783+/-130.530 χ^2/NDF: 289.9/59

- 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: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

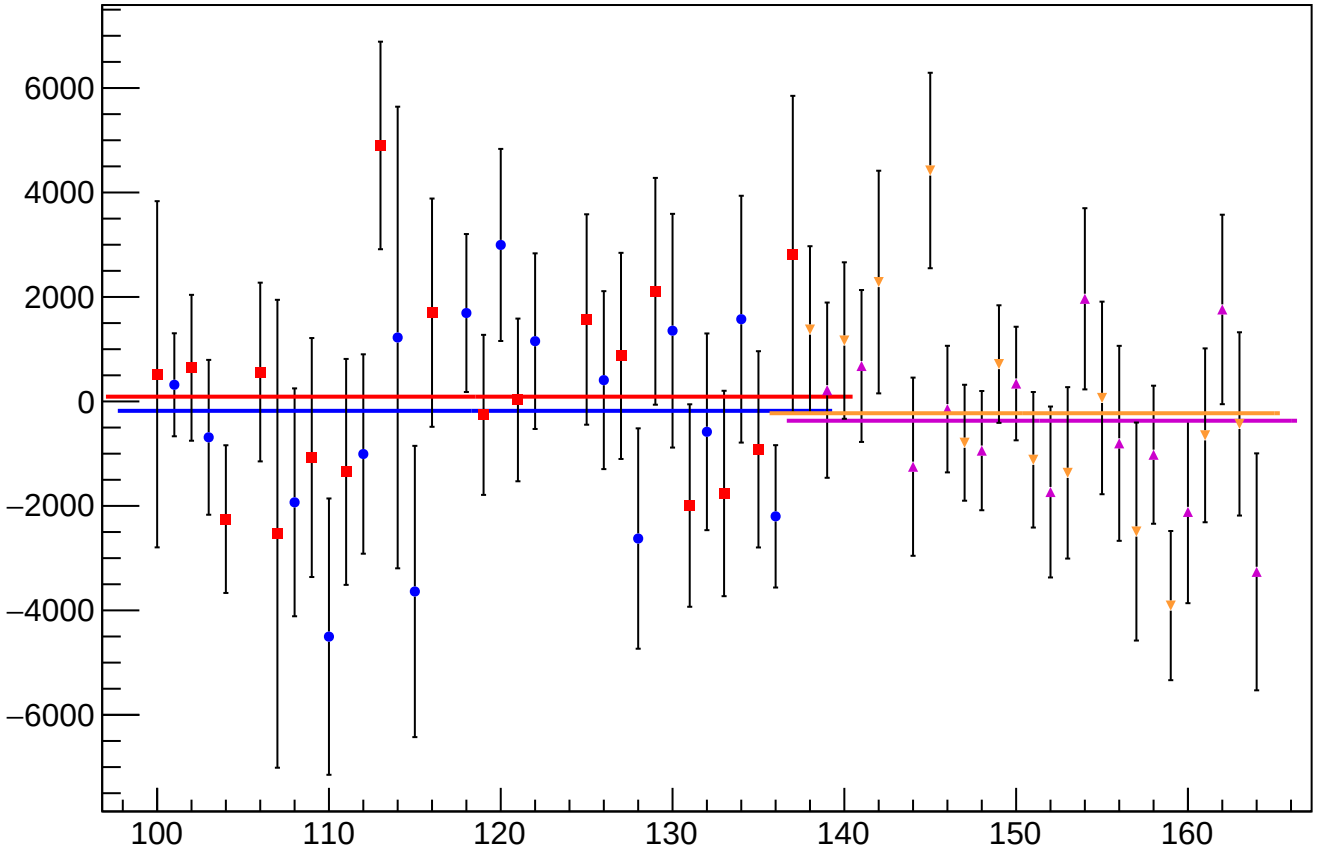
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59

- 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: -225.757+/-422.149 χ^2/NDF:19.3/12

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

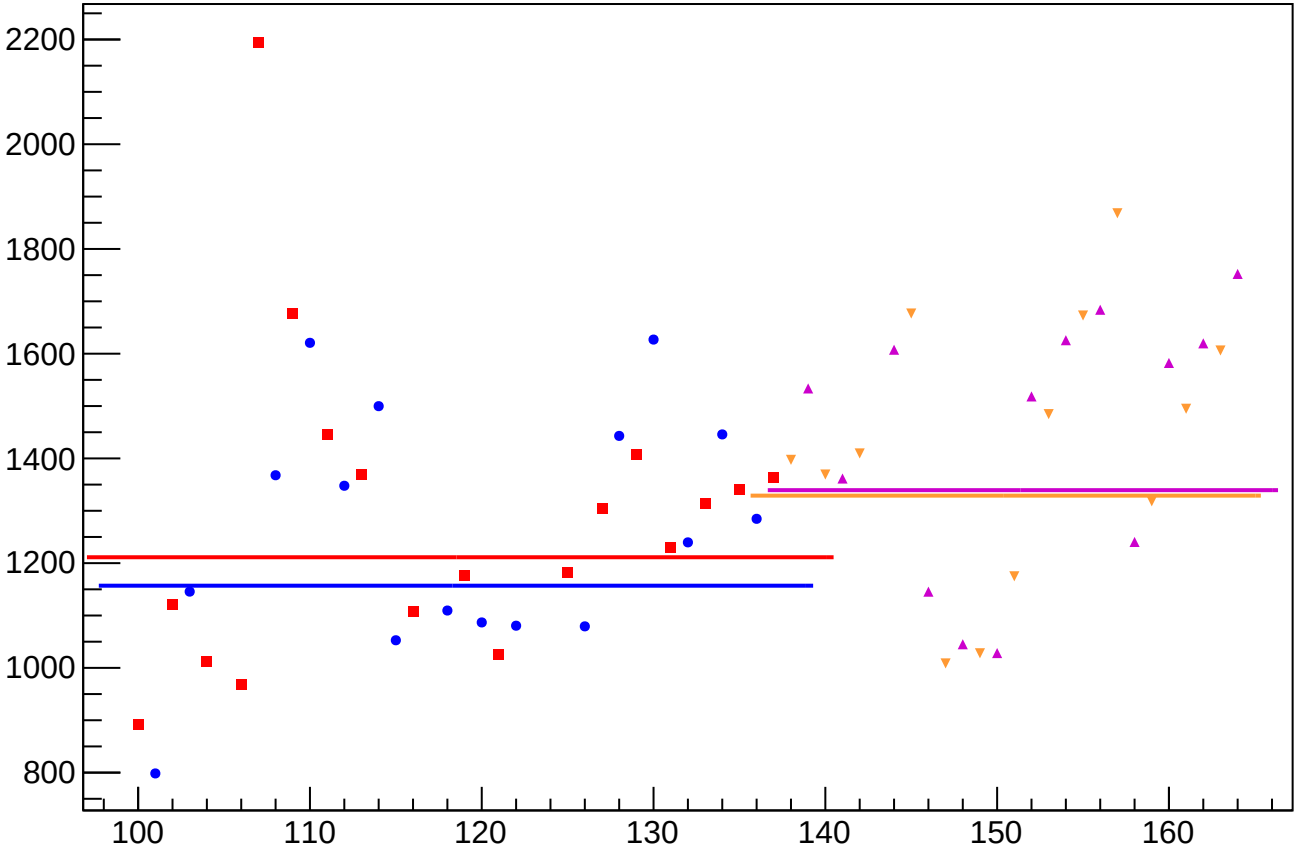
Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -182.567+/-215.910 χ^2/NDF: 58.9/59

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

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

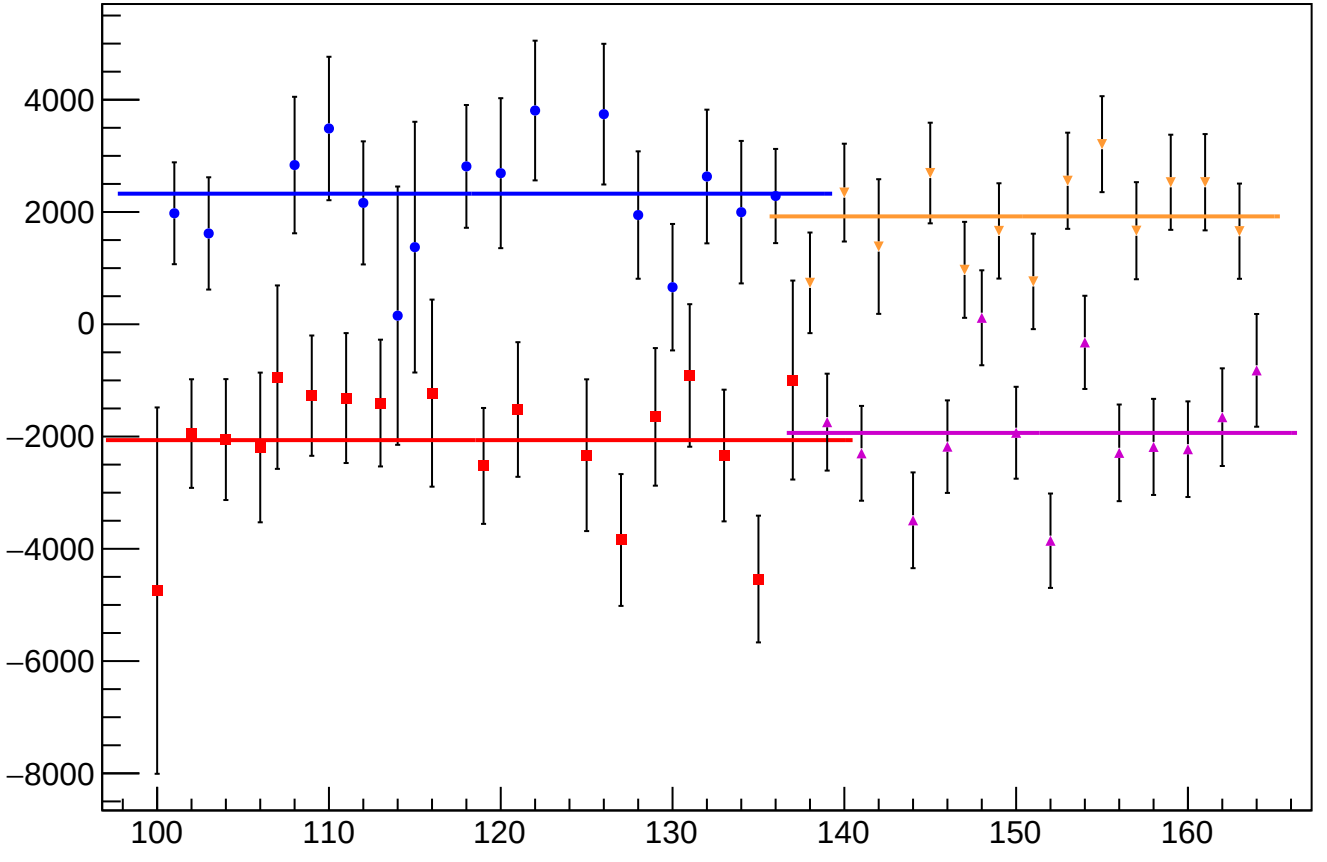
Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59

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

dit_asym_us_avg_mean vs Slug



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

Left Out: 1921.768+/-243.612 χ^2/NDF:10.1/12

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

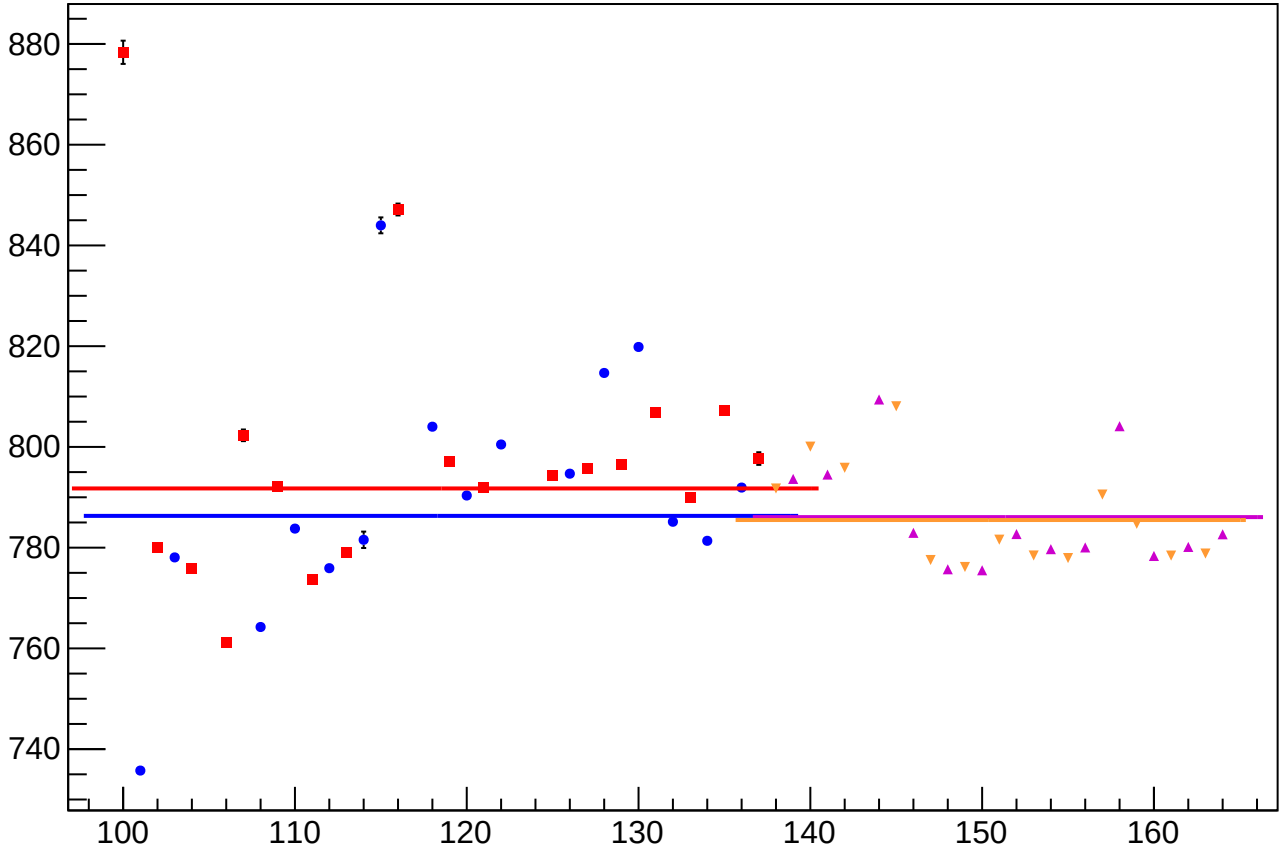
Left In: -1935.390+/-237.353 χ^2/NDF:20.2/12

+ sign 2087.720+/-187.106 χ^2/NDF: 19.4/28

All: 17.884+/-131.239 χ^2/NDF: 292.3/59

- 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: 785.487+/-0.172 χ^2/NDF:3150.3/12

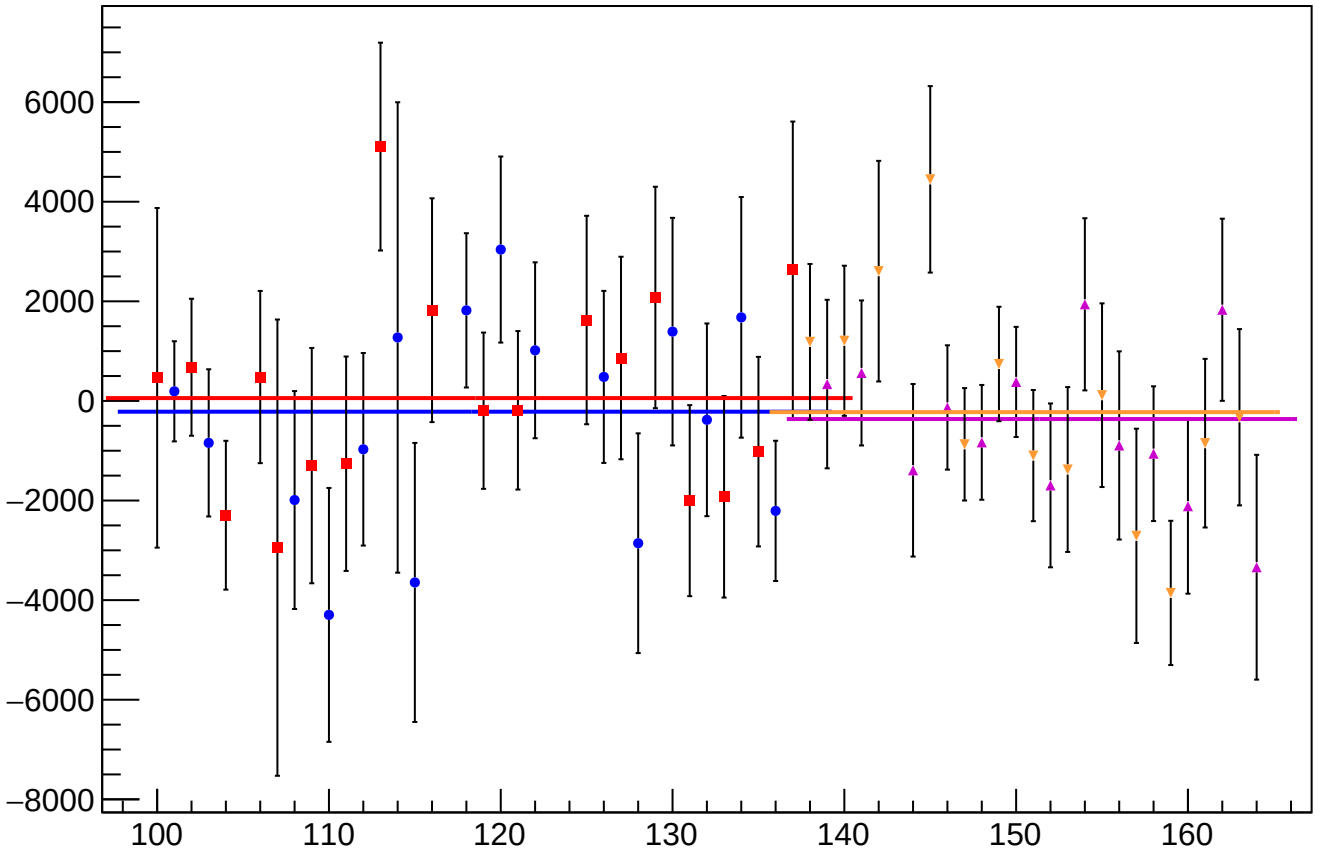
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 785.824+/-0.132 χ^2/NDF: 15730.8/28

All: 787.098+/-0.093 χ^2/NDF: 27315.7/59

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



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

Left Out: -224.785+/-427.291 χ^2/NDF:19.3/12

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

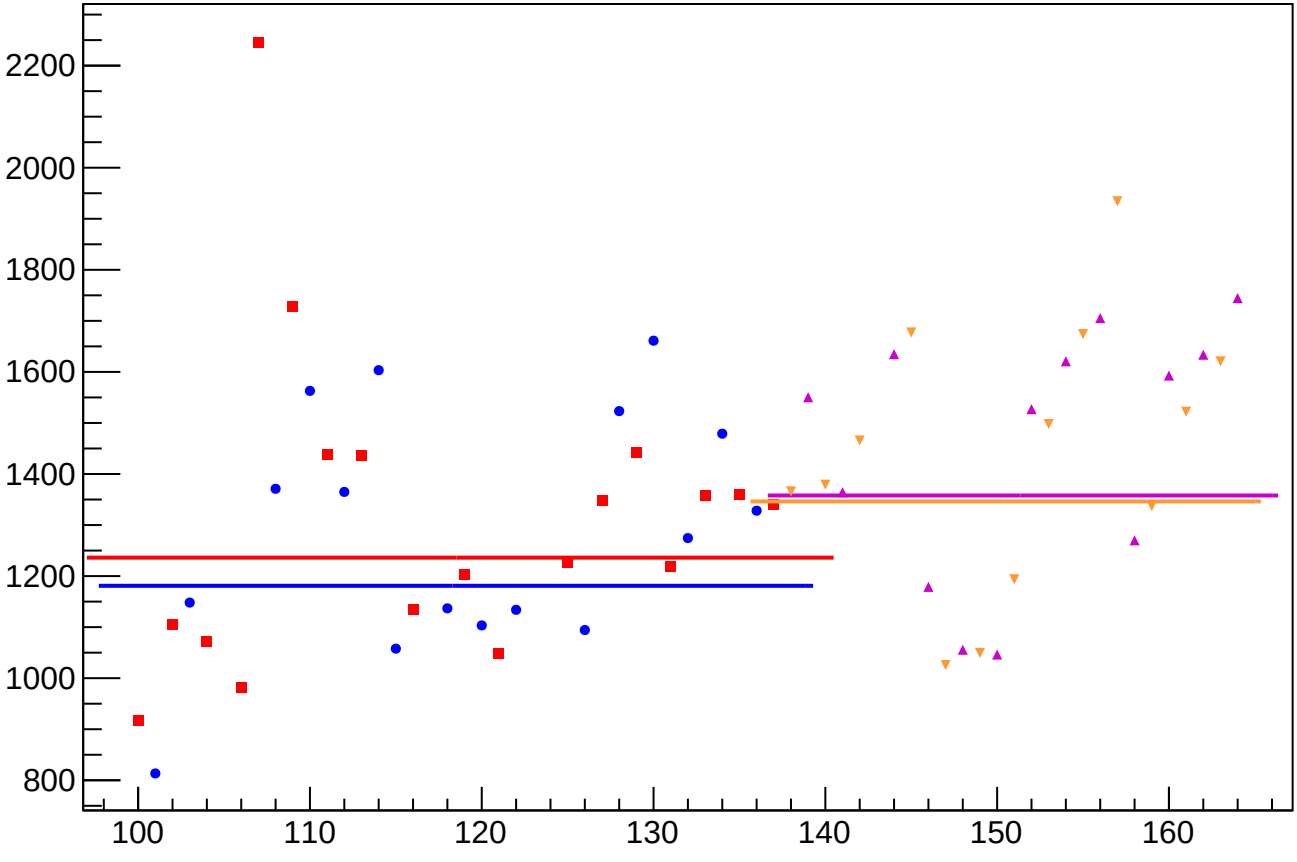
Left In: -363.760+/-418.257 χ^2/NDF:8.5/12

+ sign -220.702+/-309.706 χ^2/NDF: 34.6/28

All: -198.033+/-219.333 χ^2/NDF: 58.7/59

- 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: 1346.244+/-0.302 χ^2/NDF:690479.8/12

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

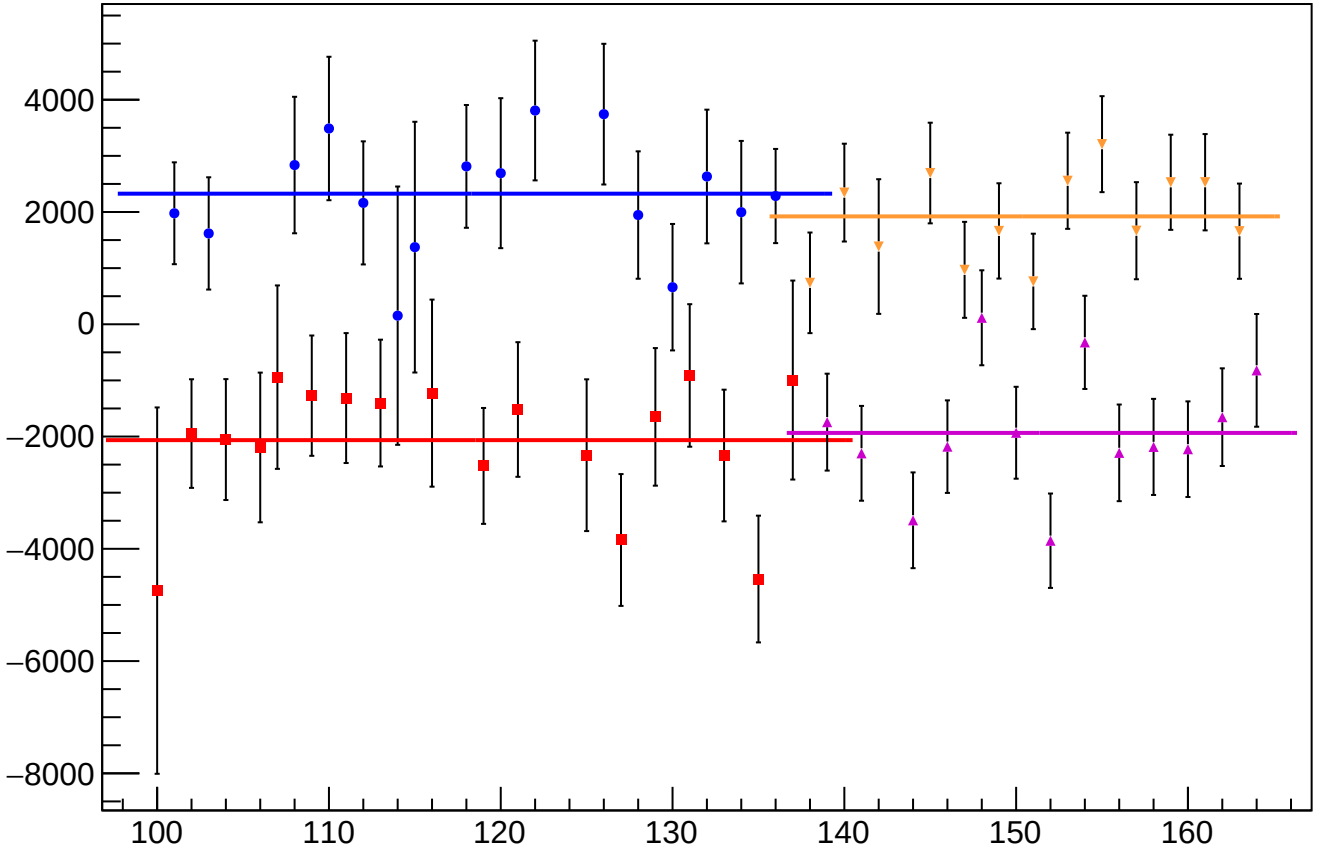
Left In: 1357.903+/-0.296 χ^2/NDF:697735.6/12

+ sign 1267.811+/-0.219 χ^2/NDF: 1403563.0/28

All: 1285.507+/-0.155 χ^2/NDF: 2587637.5/59

- 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: 1921.764+/-243.612 χ^2/NDF:10.1/12

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

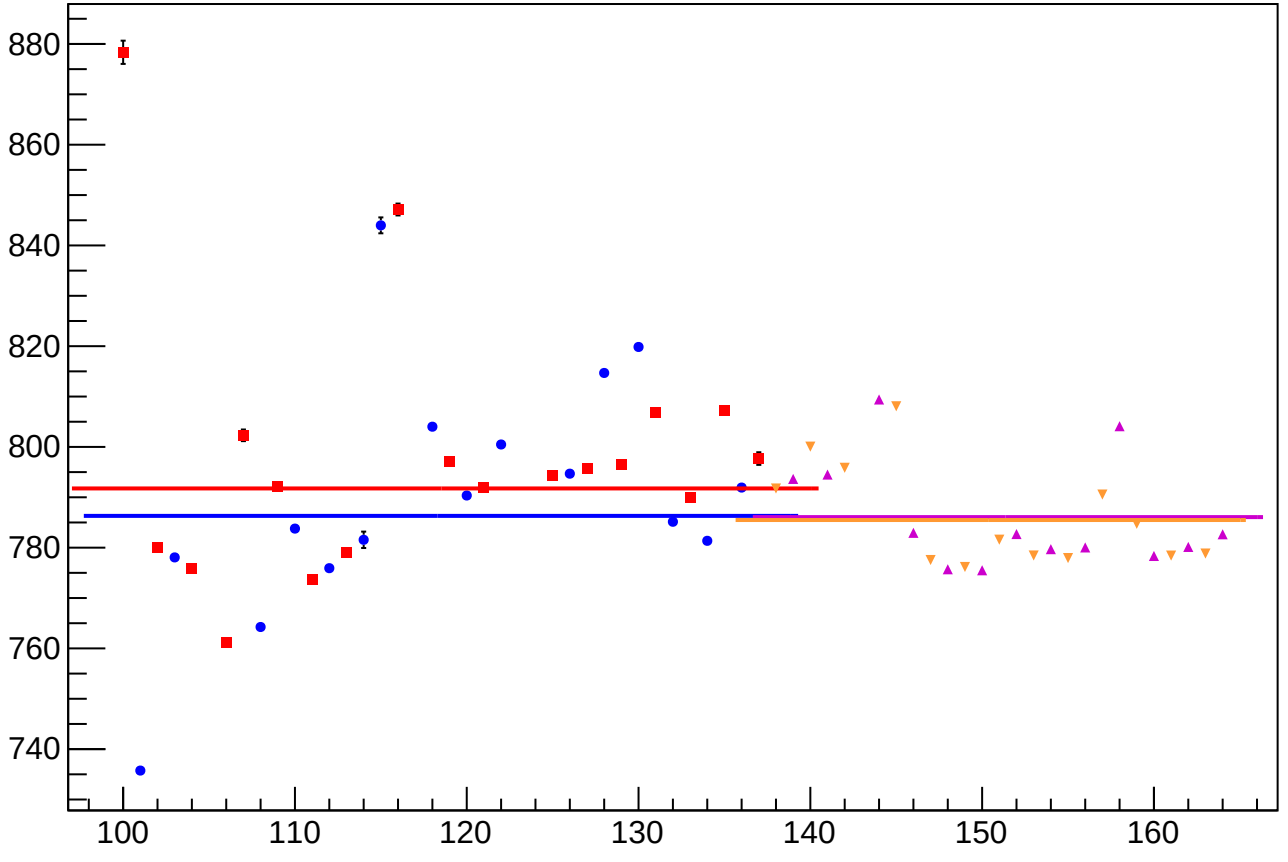
Left In: -1935.391+/-237.353 χ^2/NDF:20.2/12

+ sign 2087.717+/-187.106 χ^2/NDF: 19.4/28

All: 17.882+/-131.239 χ^2/NDF: 292.3/59

- 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: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

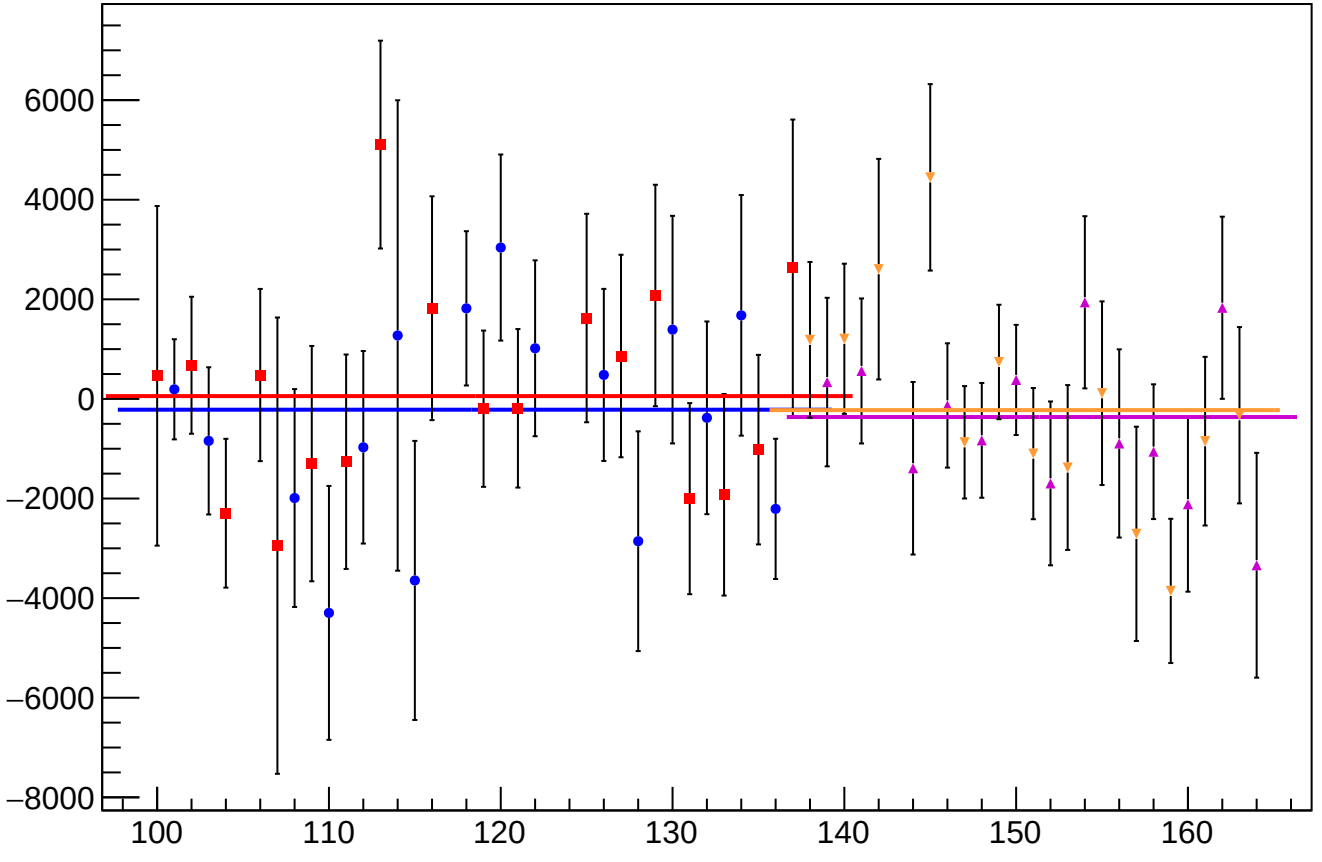
Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

+ sign 785.824+/-0.132 χ^2/NDF: 15730.7/28

All: 787.098+/-0.093 χ^2/NDF: 27315.6/59

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

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: -224.789+/-427.292 χ^2/NDF:19.3/12

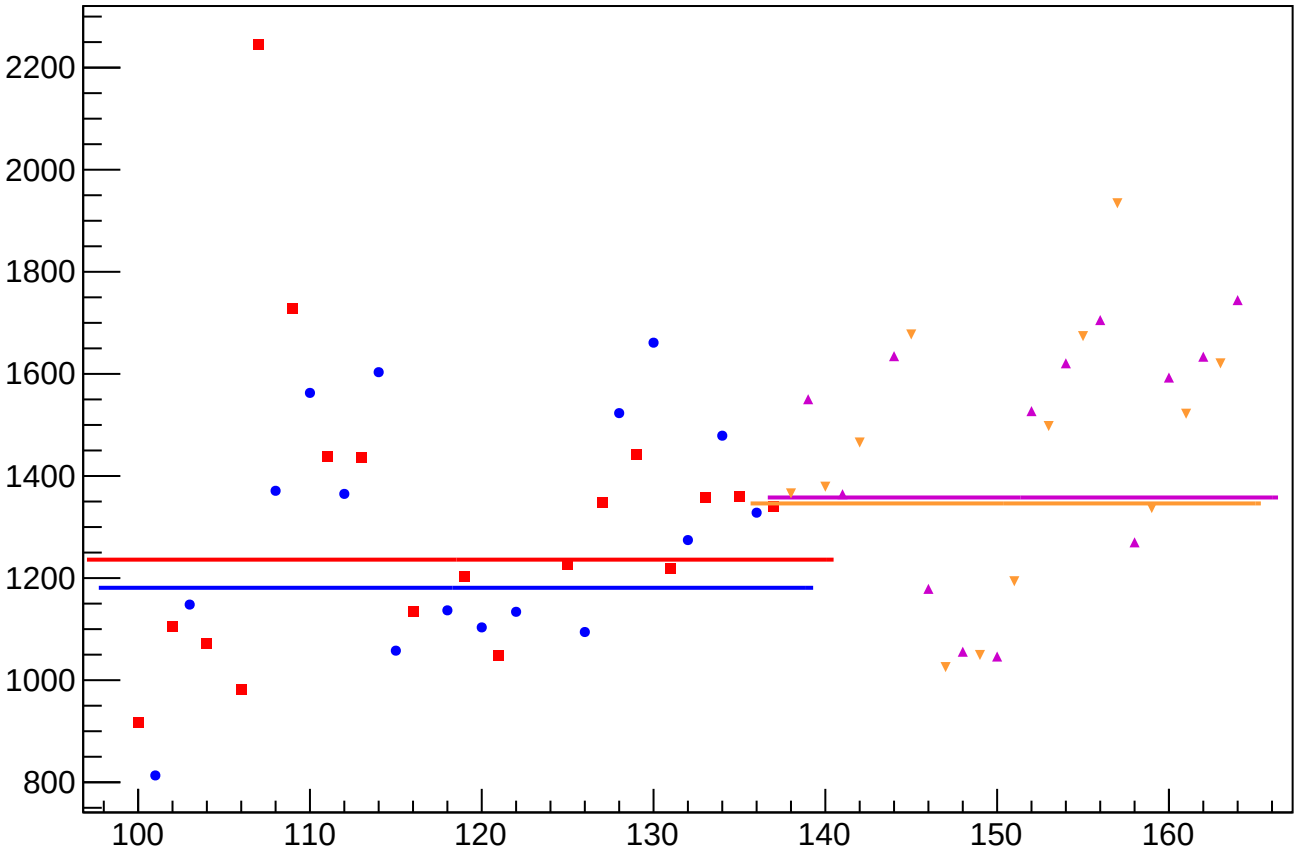
Right Out: 56.784+/-463.977 χ^2/NDF: 15.1/17

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

+ sign -220.704+/-309.706 χ^2/NDF: 34.6/28

All: -198.034+/-219.333 χ^2/NDF: 58.7/59

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



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

Left Out: 1346.246+/-0.302 χ^2/NDF:690481.9/12

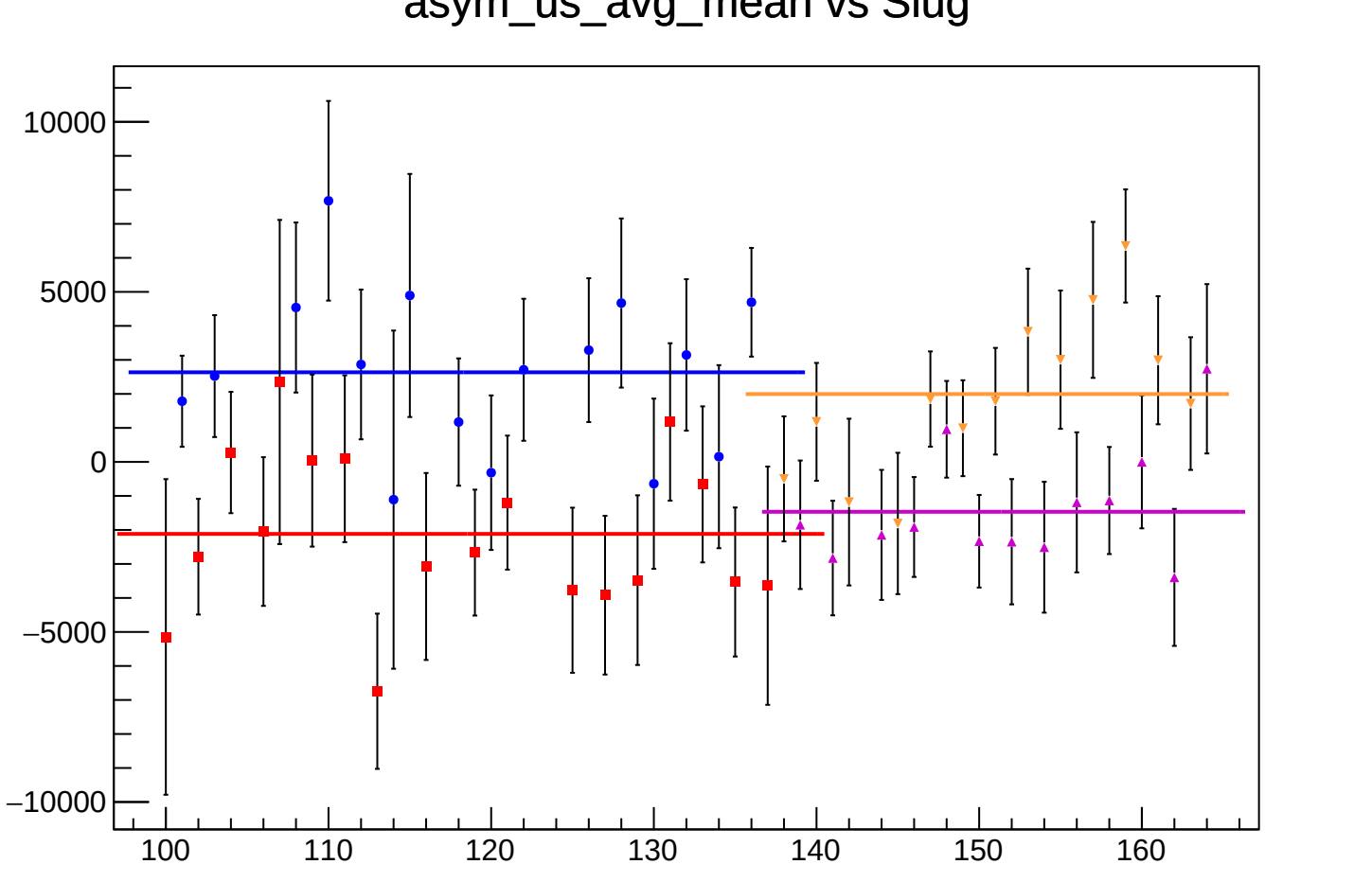
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

+ sign 1267.810+/-0.219 χ^2/NDF: 1403572.5/28

All: 1285.506+/-0.155 χ^2/NDF: 2587654.1/59

- 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: 1995.156+/-495.402 χ^2/NDF:17.5/12

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

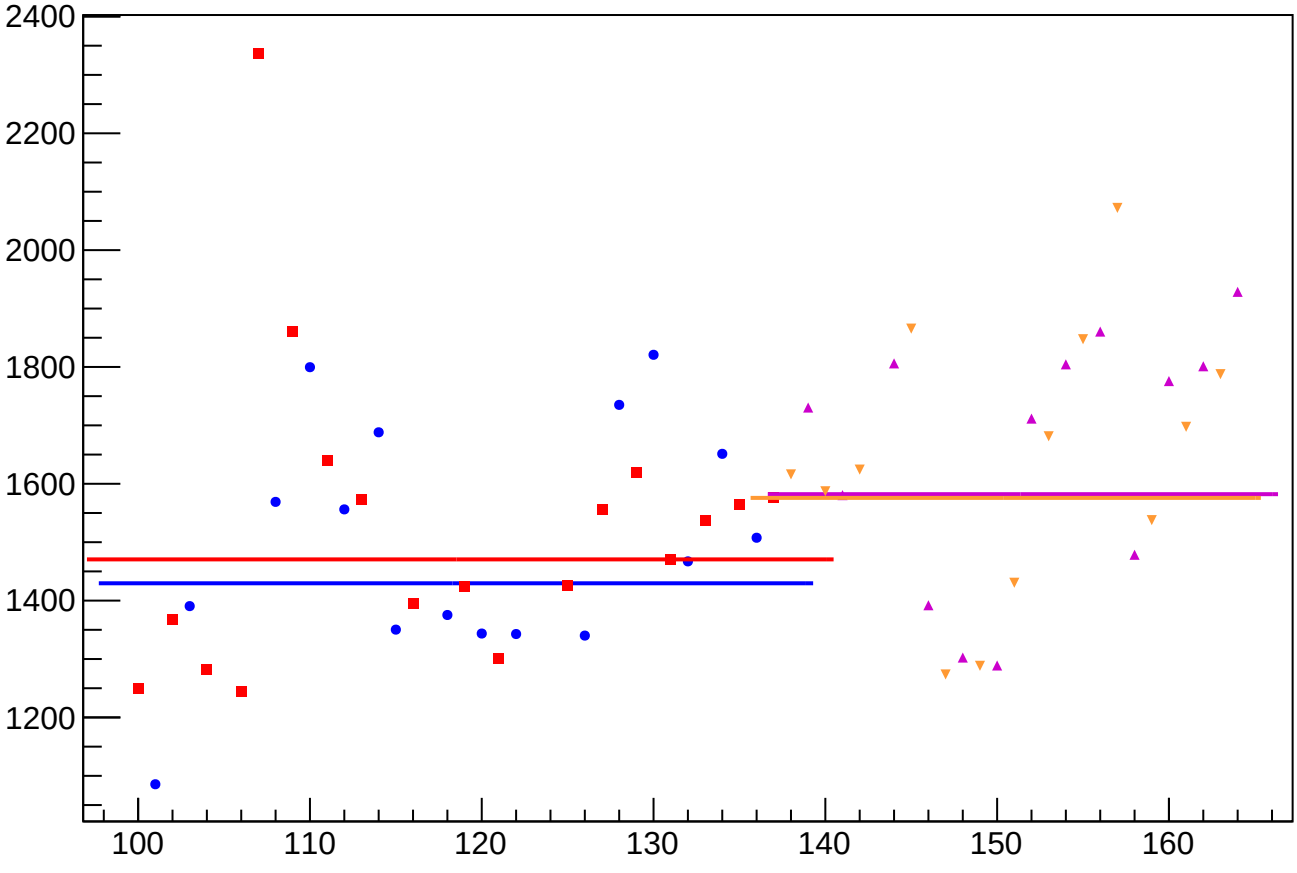
Left In: -1466.491+/-483.488 χ^2/NDF:9.1/12

+ sign 2288.910+/-364.443 χ^2/NDF: 30.5/28

All: 257.308+/-256.975 χ^2/NDF: 116.0/59

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

asym_us_avg_rms vs Slug



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

Left Out: 1575.848+/-0.350 χ^2/NDF:403011.1/12

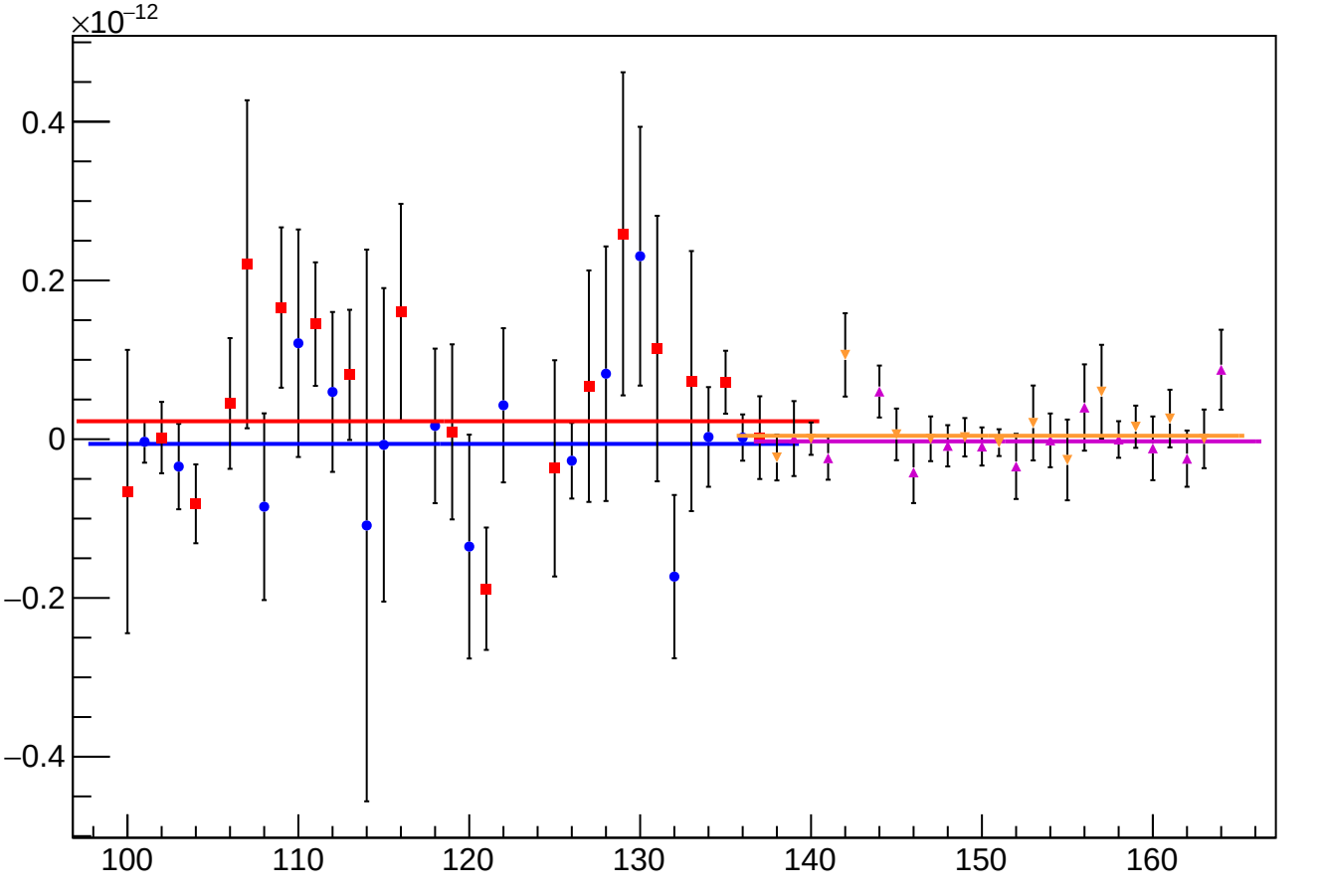
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

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

+ sign 1508.772+/-0.258 χ^2/NDF: 776312.4/28

All: 1521.101+/-0.182 χ^2/NDF: 1452960.7/59

- 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:6.9/12

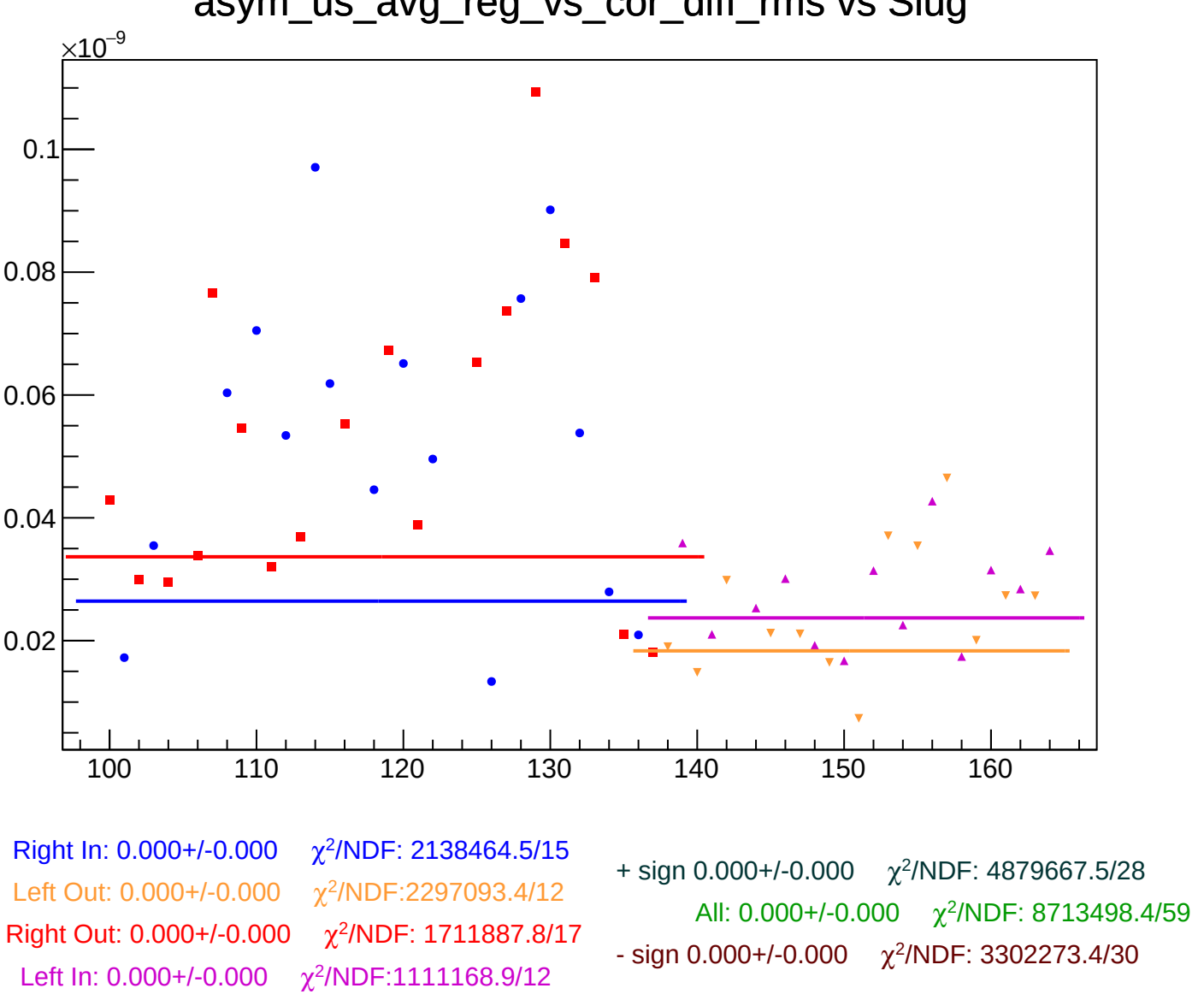
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

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

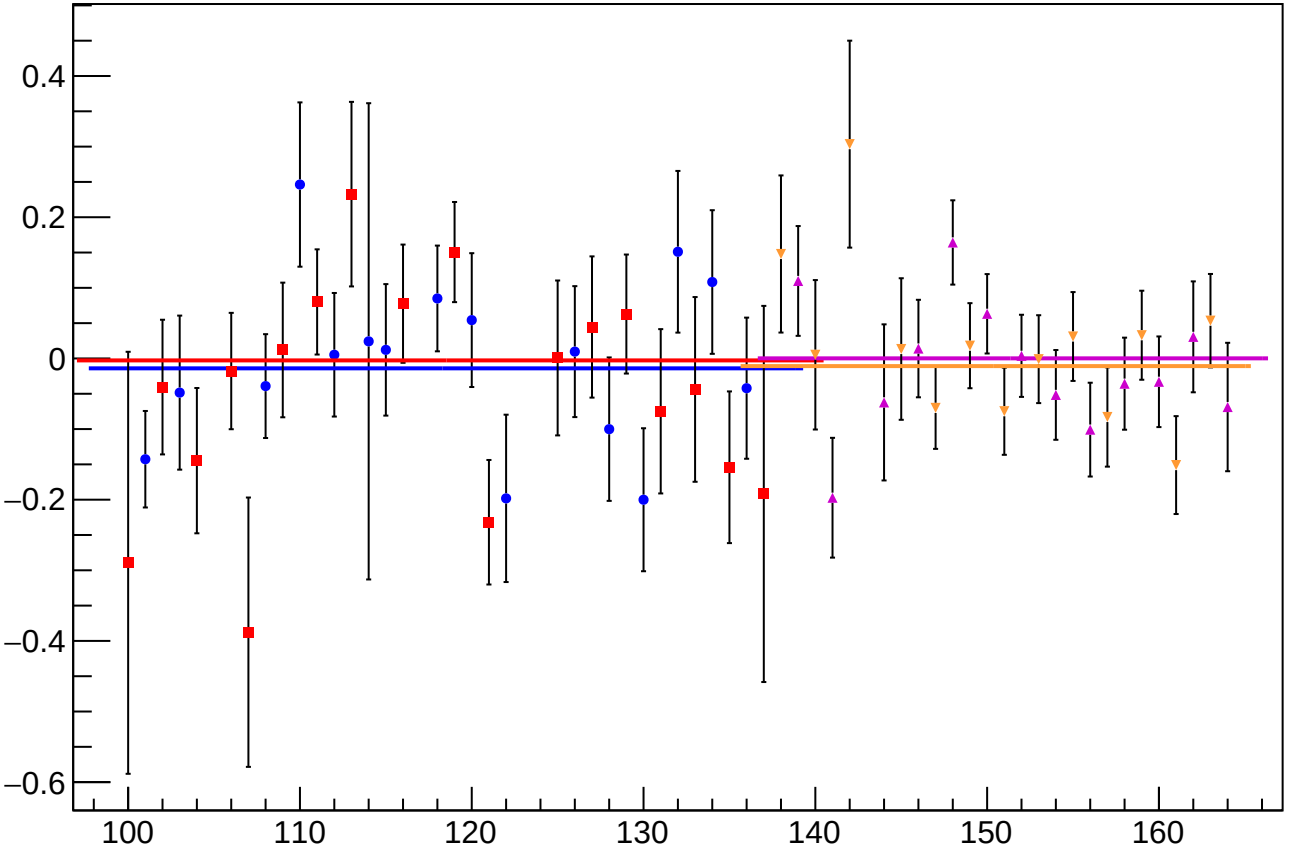
+ sign 0.000+/-0.000 χ^2/NDF: 15.8/28

All: 0.000+/-0.000 χ^2/NDF: 50.7/59

- 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:2297093.4/12
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: 4879667.5/28
All: 0.000+/-0.000 χ²/NDF: 8713498.4/59
- 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: -0.011+/-0.020 χ^2/NDF:16.1/12

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

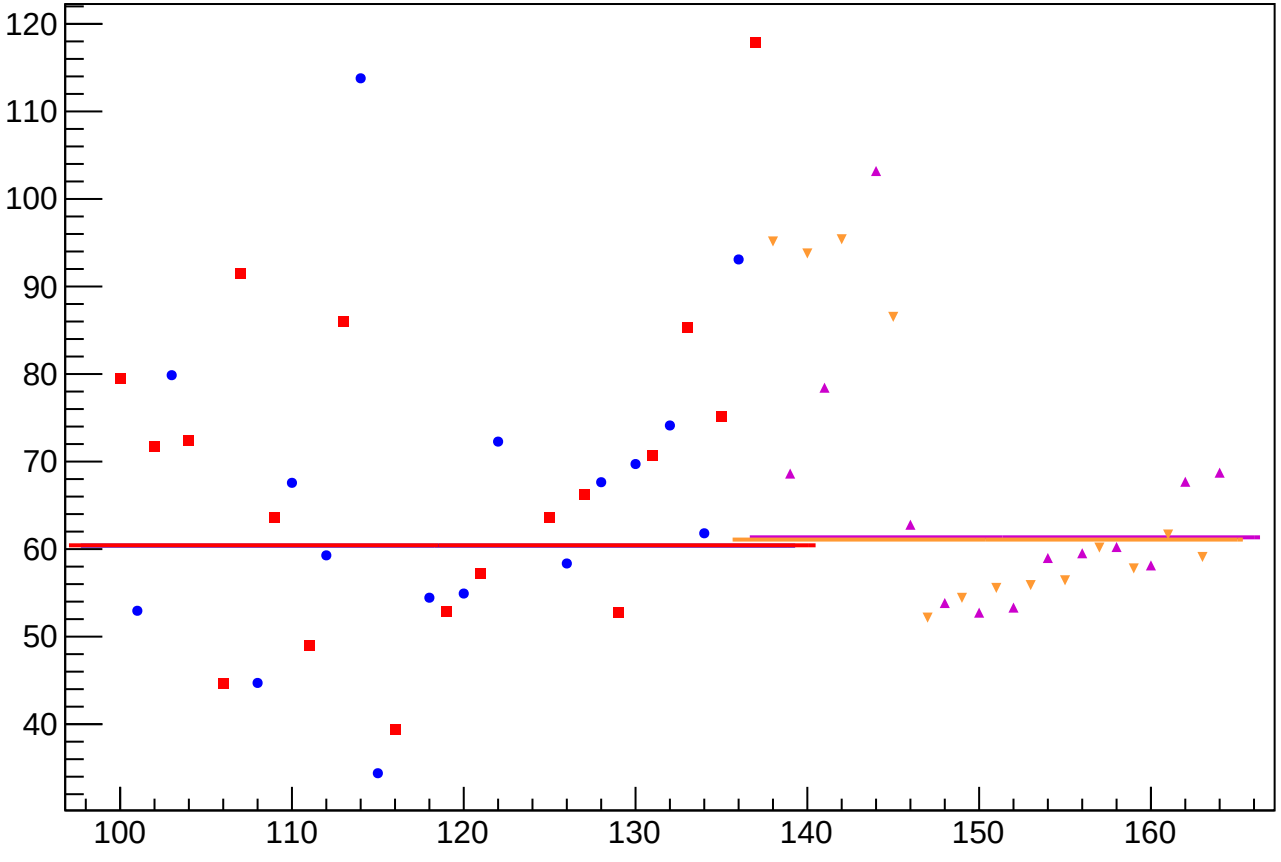
Left In: 0.000+/-0.019 χ^2/NDF:20.9/12

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 86.3/59

- 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: 61.088+/-0.014 χ^2/NDF:737049.1/12

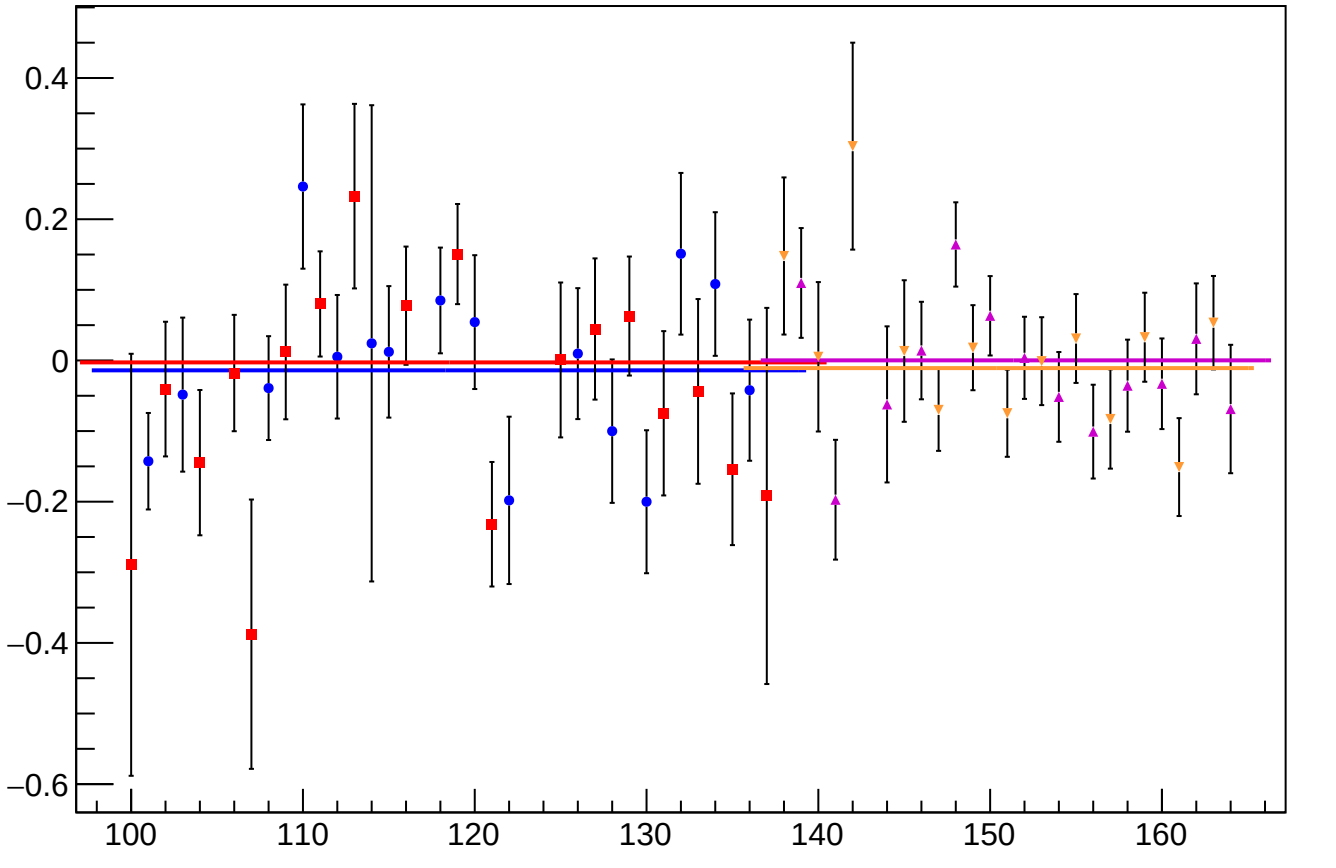
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.808+/-0.011 χ^2/NDF: 1441194.0/28

All: 60.899+/-0.008 χ^2/NDF: 2693208.3/59

- 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: -0.011+/-0.020 χ^2/NDF:16.1/12

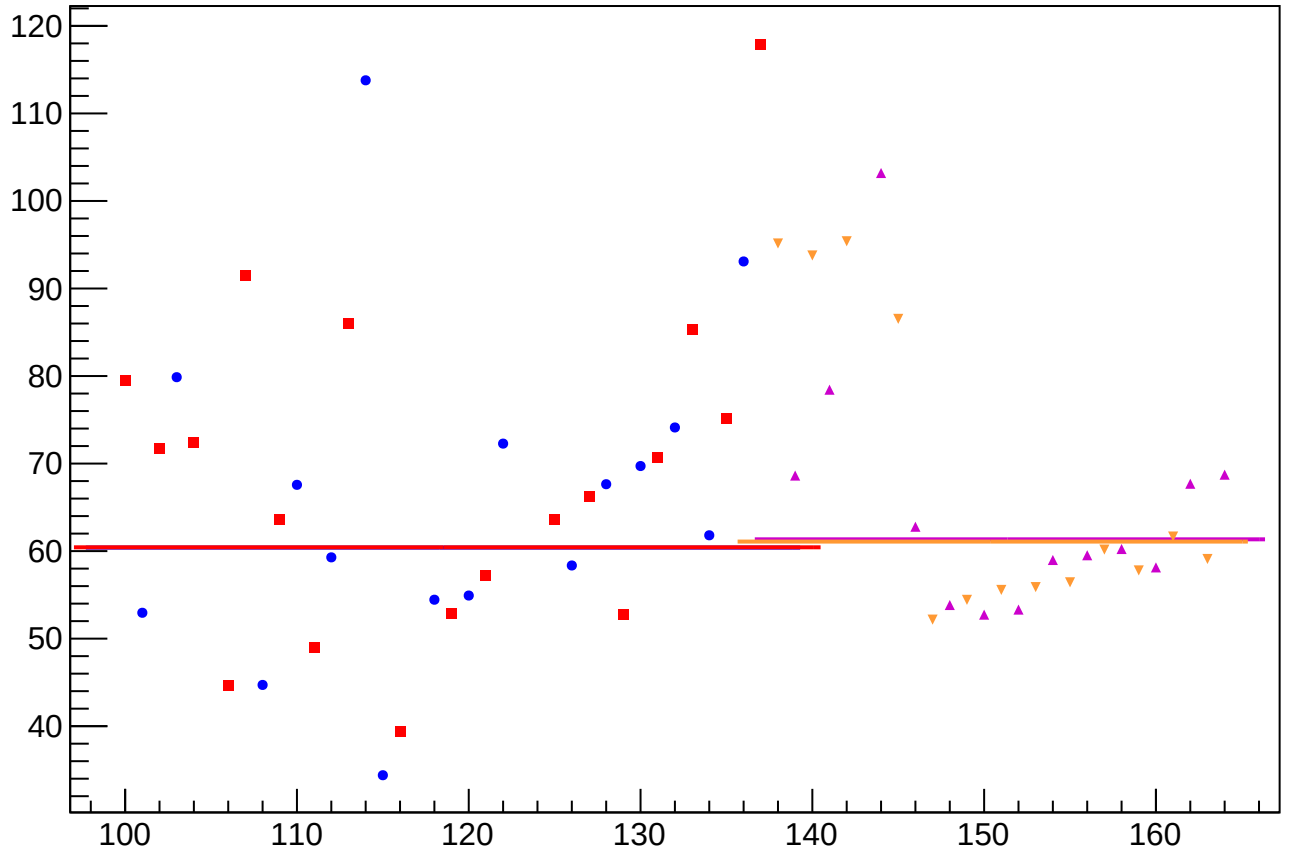
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 86.3/59

- 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: 61.088+/-0.014 χ^2/NDF:737049.1/12

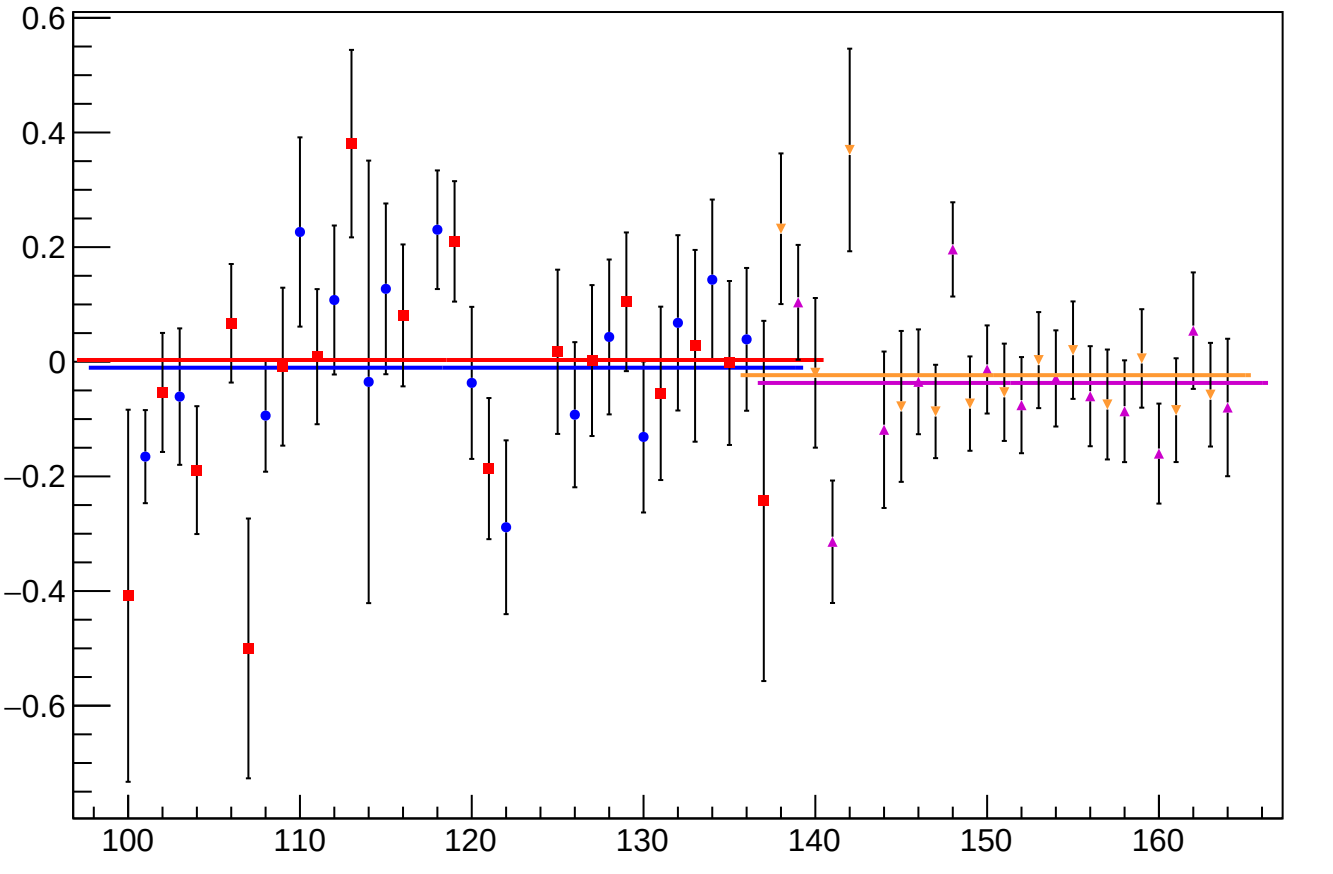
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.808+/-0.011 χ^2/NDF: 1441194.0/28

All: 60.899+/-0.008 χ^2/NDF: 2693208.3/59

- 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: -0.023+/-0.027 χ^2/NDF:11.3/12

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

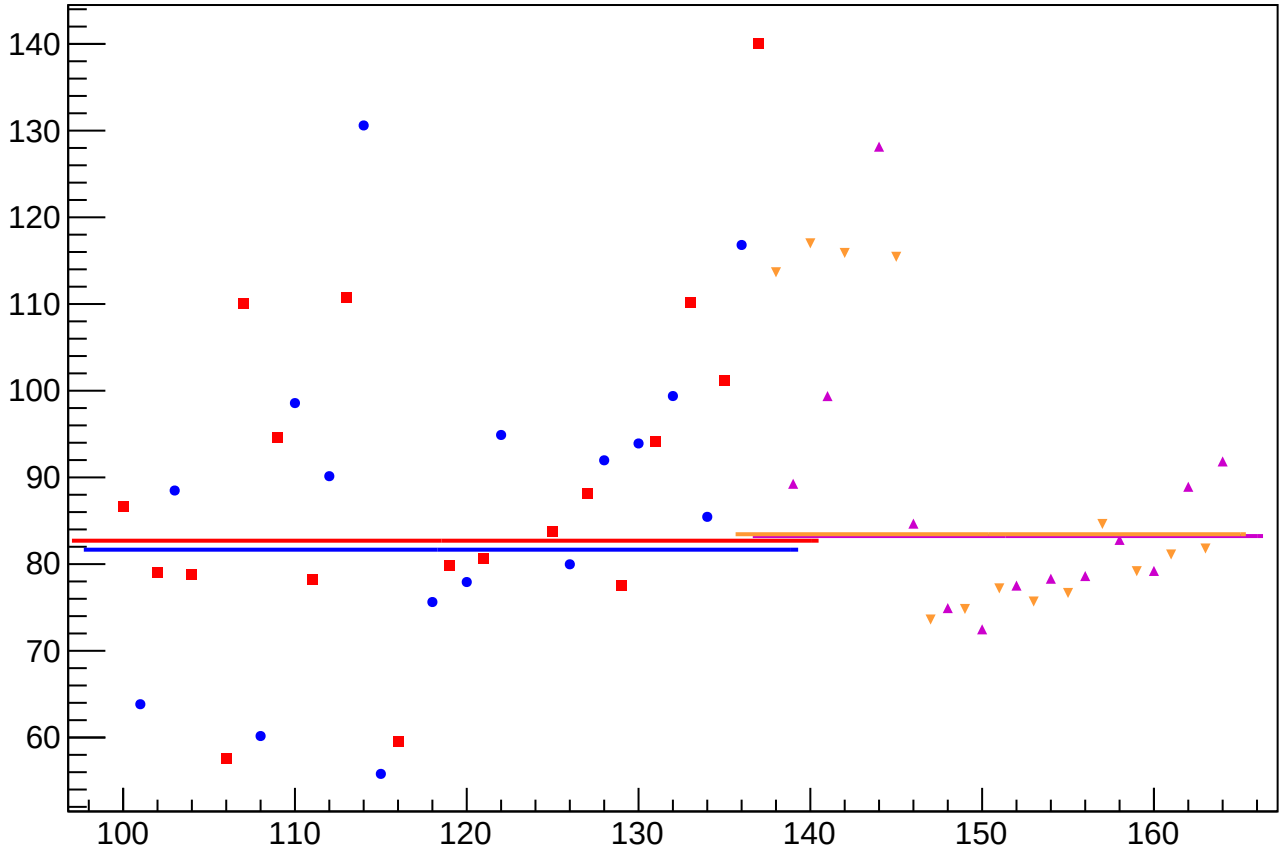
Left In: -0.037+/-0.026 χ^2/NDF:20.7/12

+ sign -0.018+/-0.020 χ^2/NDF: 31.6/28

All: -0.020+/-0.014 χ^2/NDF: 77.0/59

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

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 83.447+/-0.019 χ^2/NDF:522455.9/12

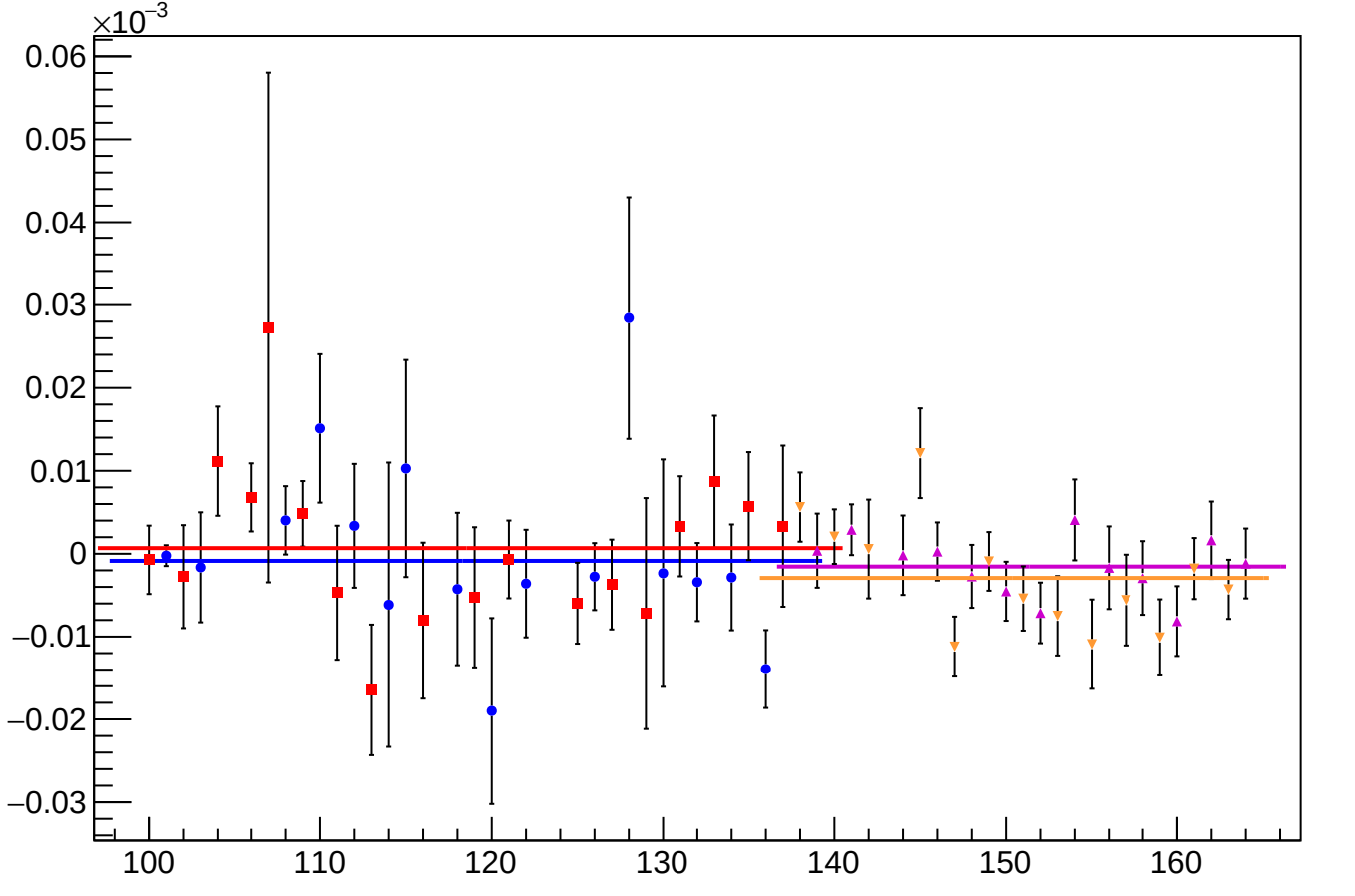
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

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

+ sign 82.707+/-0.014 χ^2/NDF: 1088030.9/28

All: 82.869+/-0.010 χ^2/NDF: 1933966.3/59

- 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:26.6/12

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

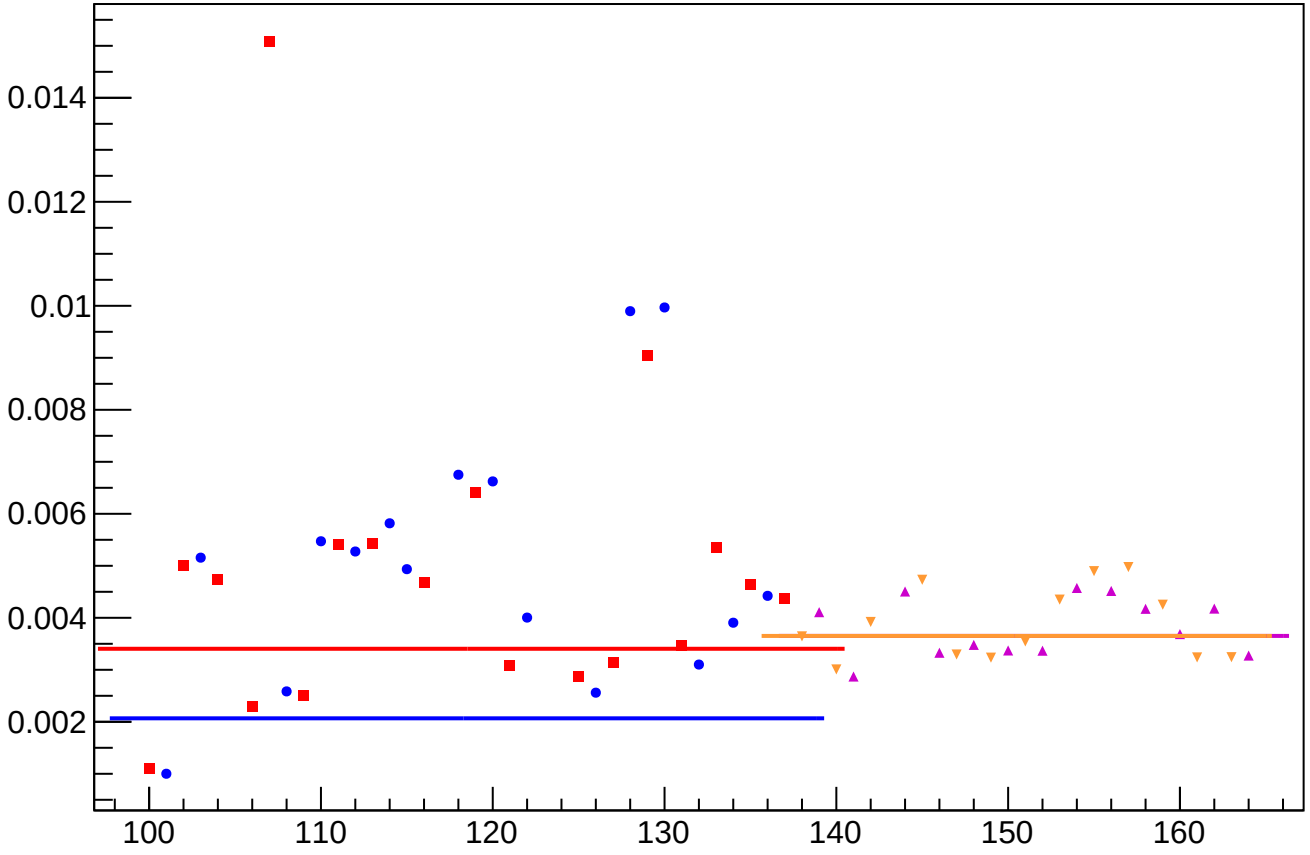
Left In: -0.000+/-0.000 χ^2/NDF:10.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/28

All: -0.000+/-0.000 χ^2/NDF: 80.4/59

- 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:560576.4/12

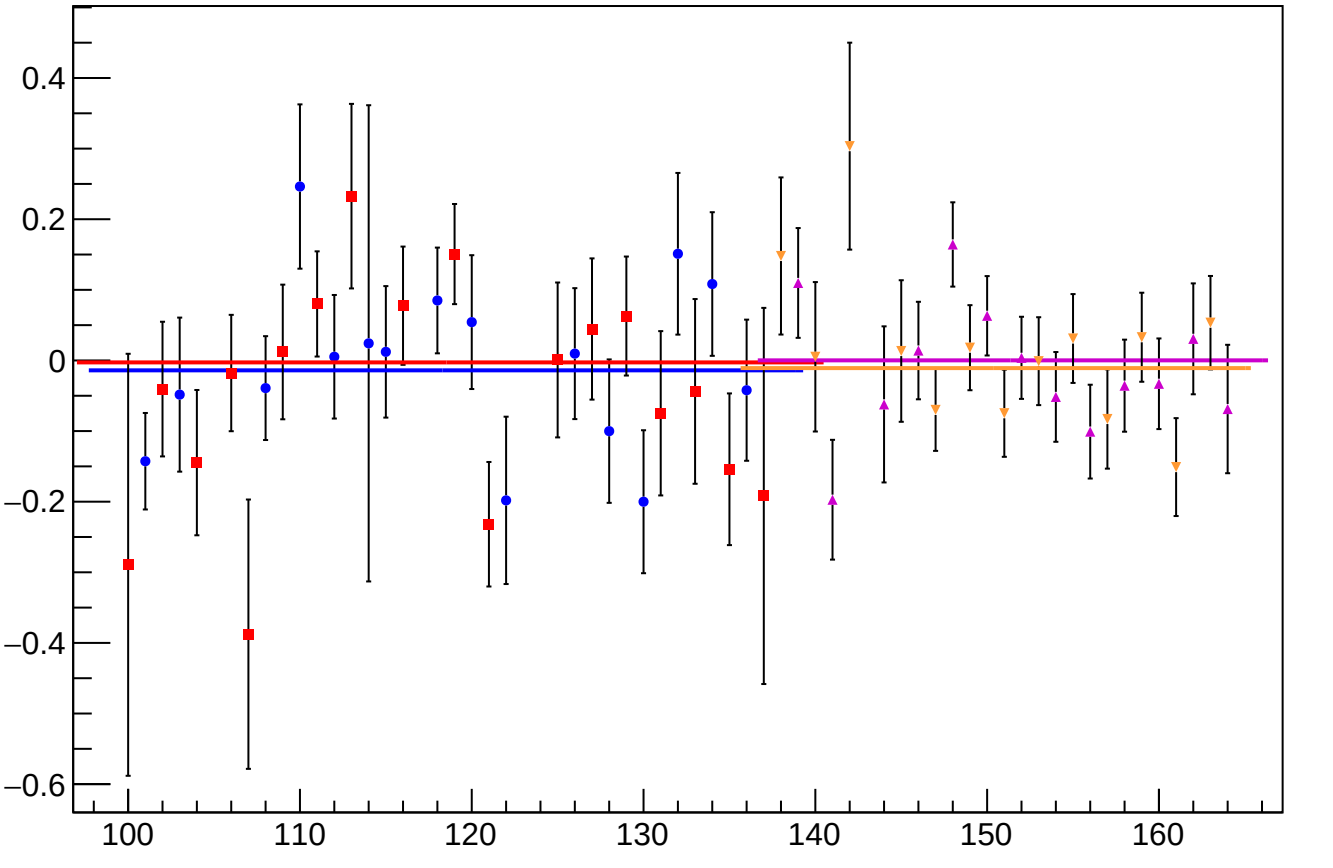
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

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

+ sign 0.003+/-0.000 χ^2/NDF: 8502559.0/28

All: 0.003+/-0.000 χ^2/NDF: 12454008.0/59

- 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: -0.011+/-0.020 χ^2/NDF:16.1/12

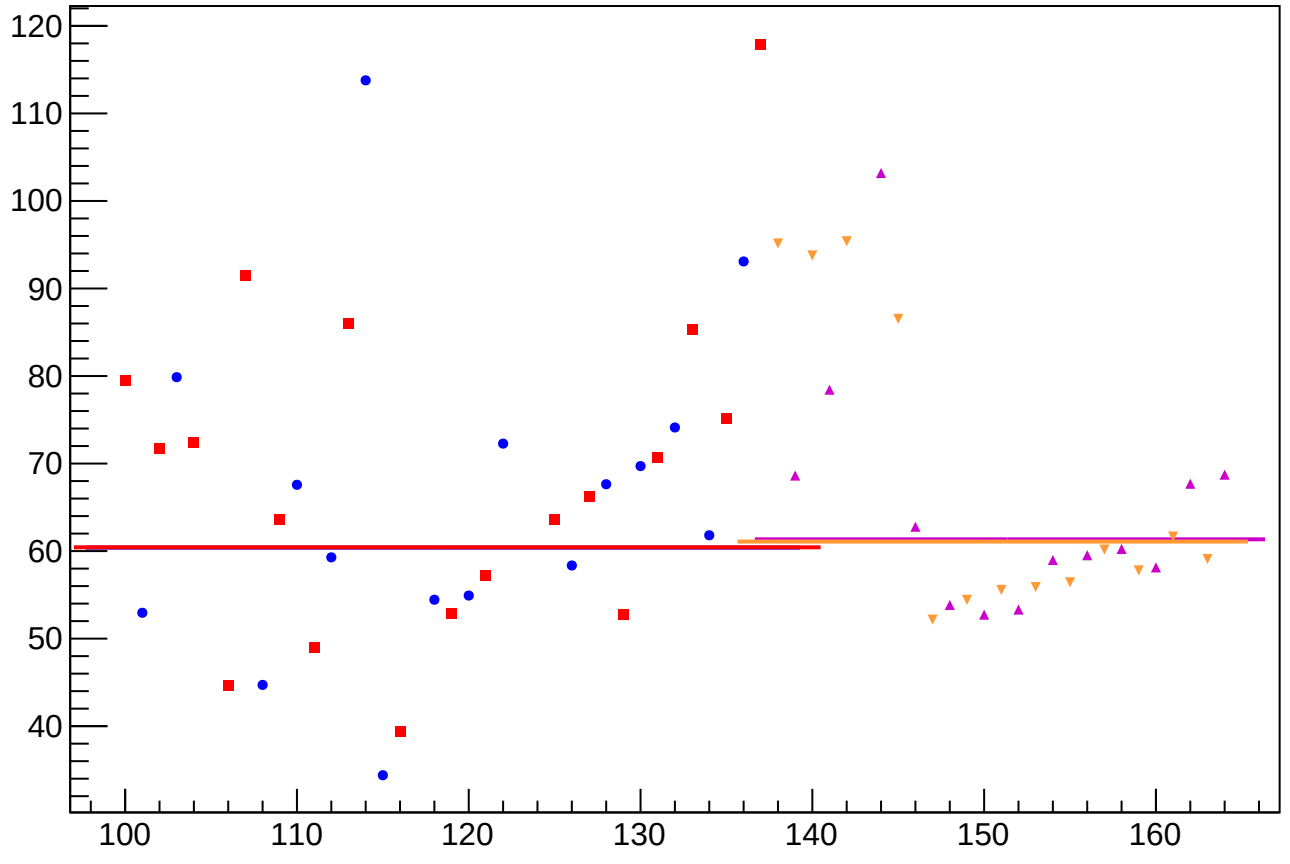
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 86.3/59

- 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: 61.089+/-0.014 χ^2/NDF:737042.2/12

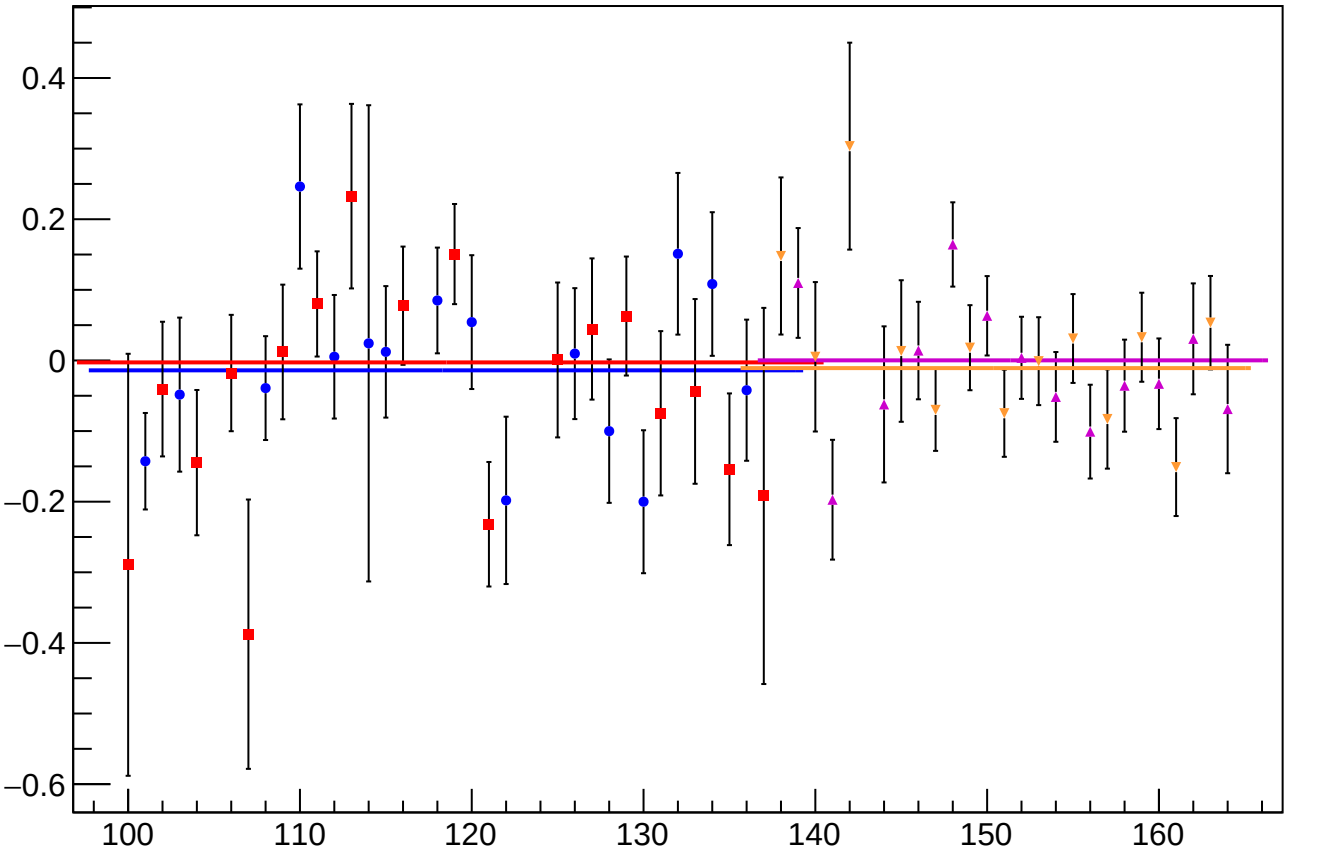
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

\+ sign 60.807+/-0.011 χ^2/NDF: 1441204.2/28

All: 60.898+/-0.008 χ^2/NDF: 2693248.7/59

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



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

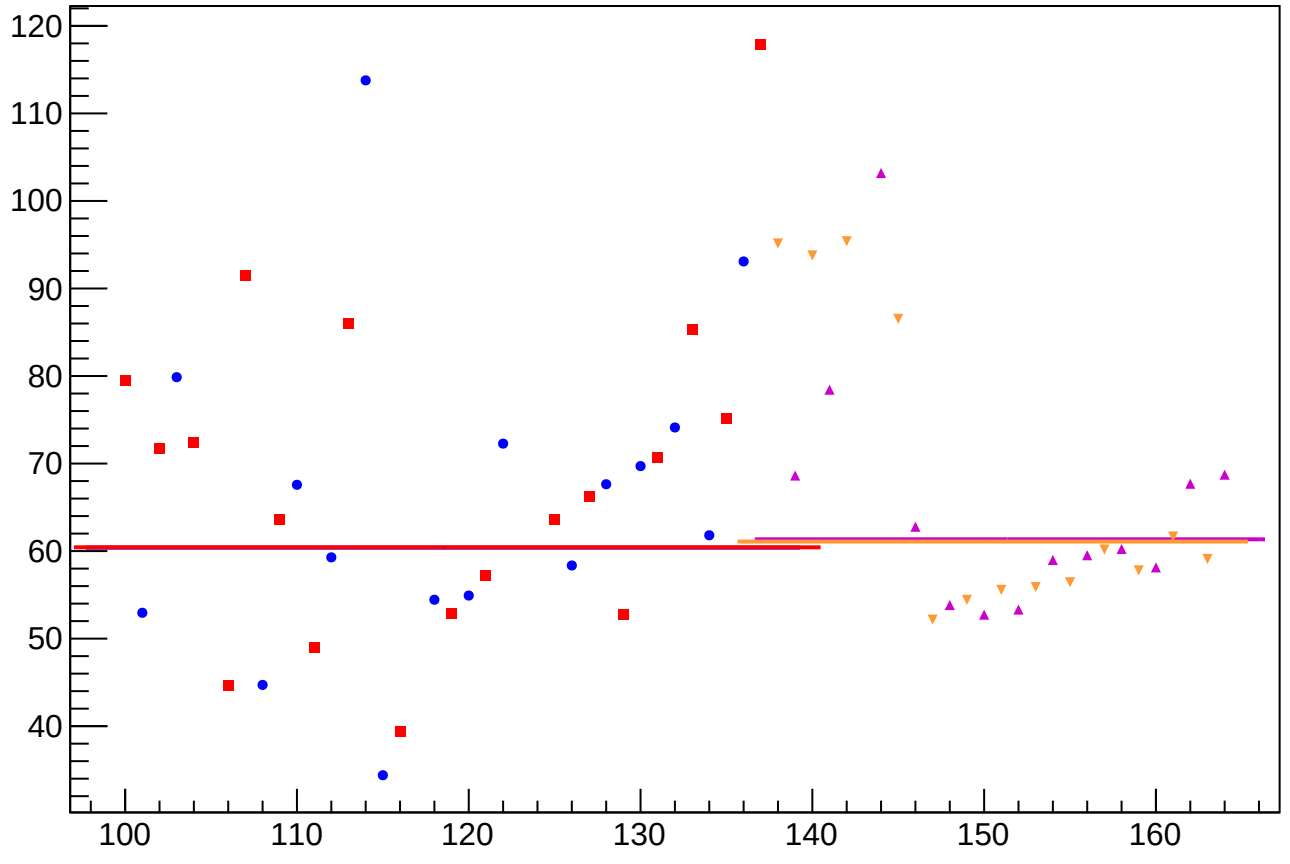
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 86.3/59

- 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: 61.089+/-0.014 χ^2/NDF:737042.2/12

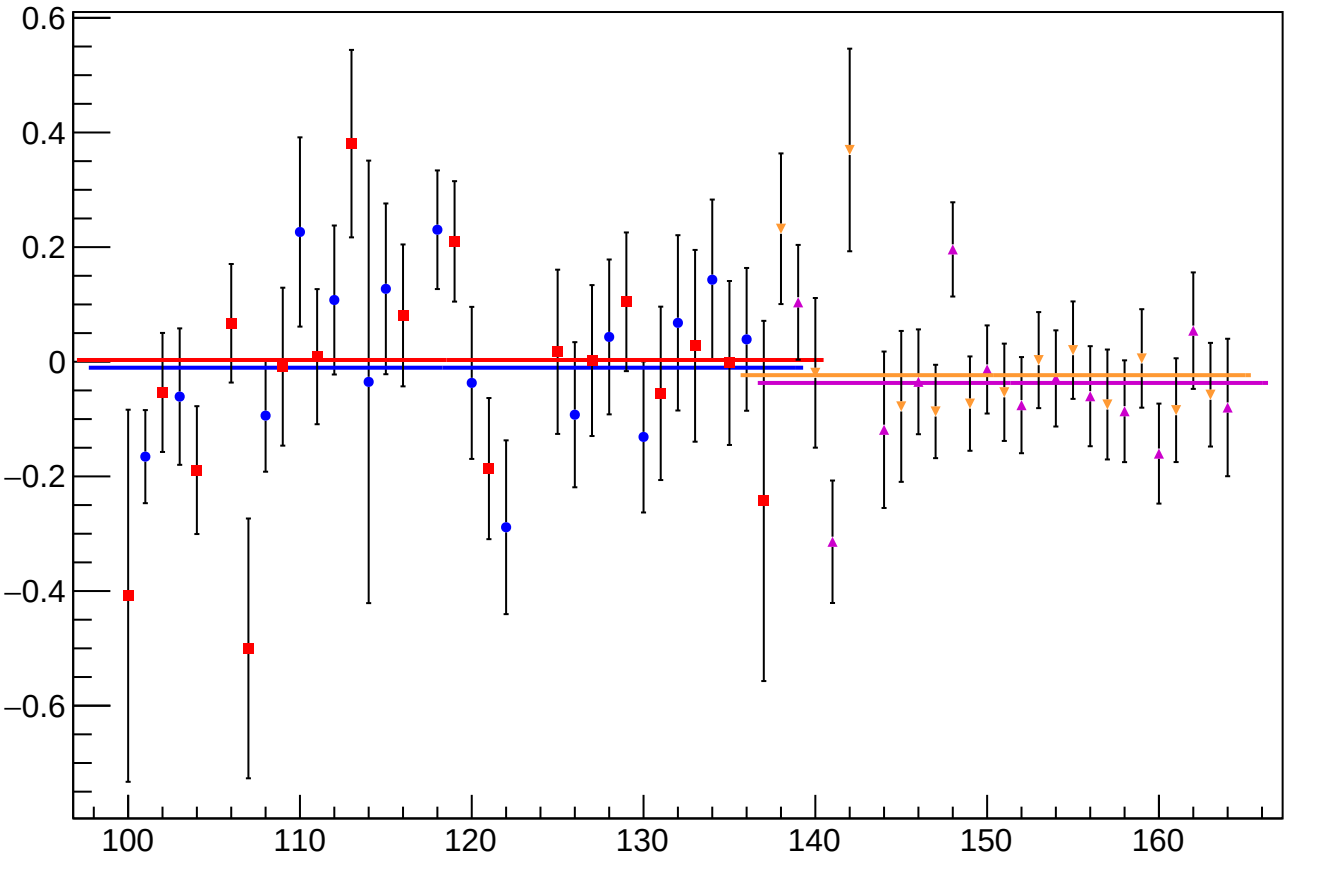
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 60.807+/-0.011 χ^2/NDF: 1441204.2/28

All: 60.898+/-0.008 χ^2/NDF: 2693248.7/59

- 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: -0.023+/-0.027 χ^2/NDF:11.3/12

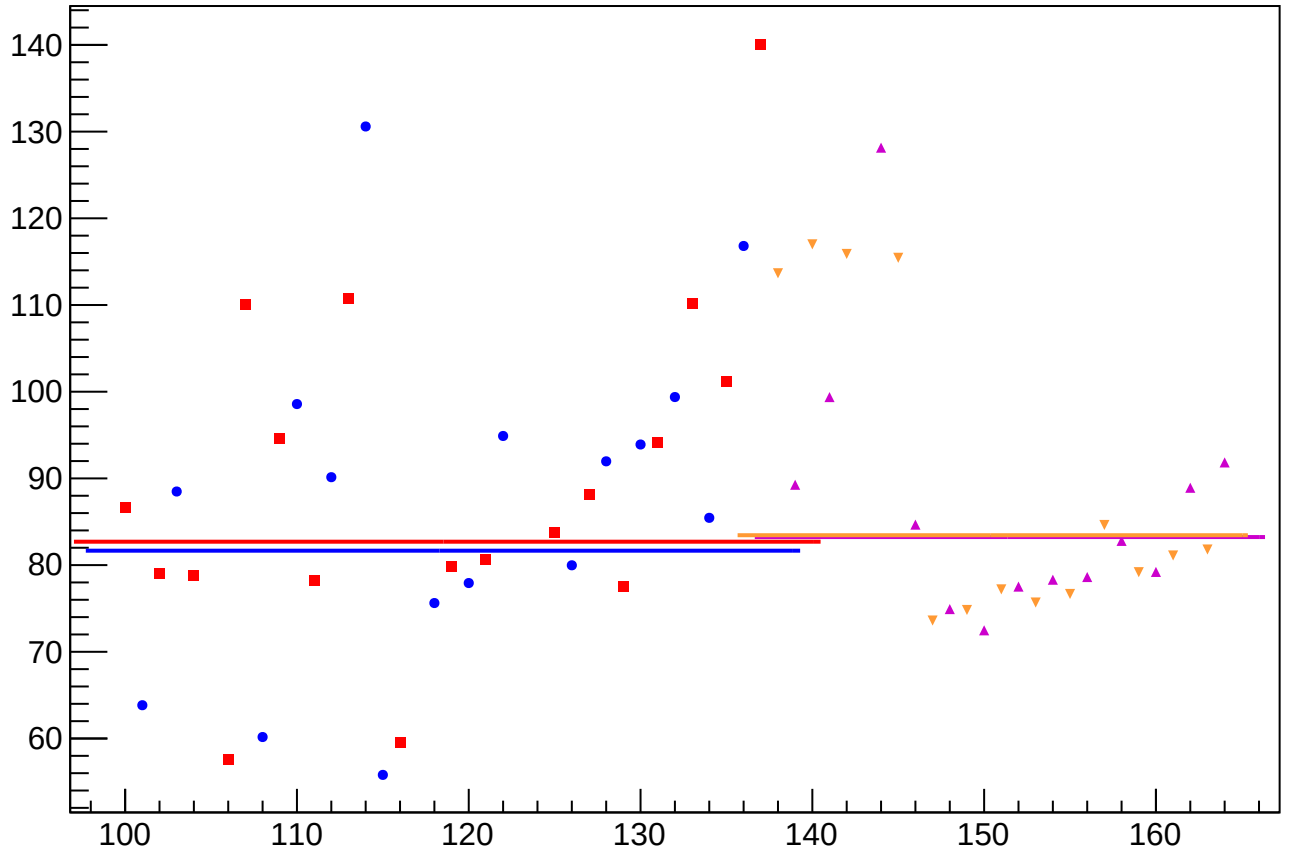
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

+ sign -0.018+/-0.020 χ^2/NDF: 31.6/28

All: -0.020+/-0.014 χ^2/NDF: 77.0/59

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



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

Left Out: 83.447+/-0.019 χ^2/NDF:522451.3/12

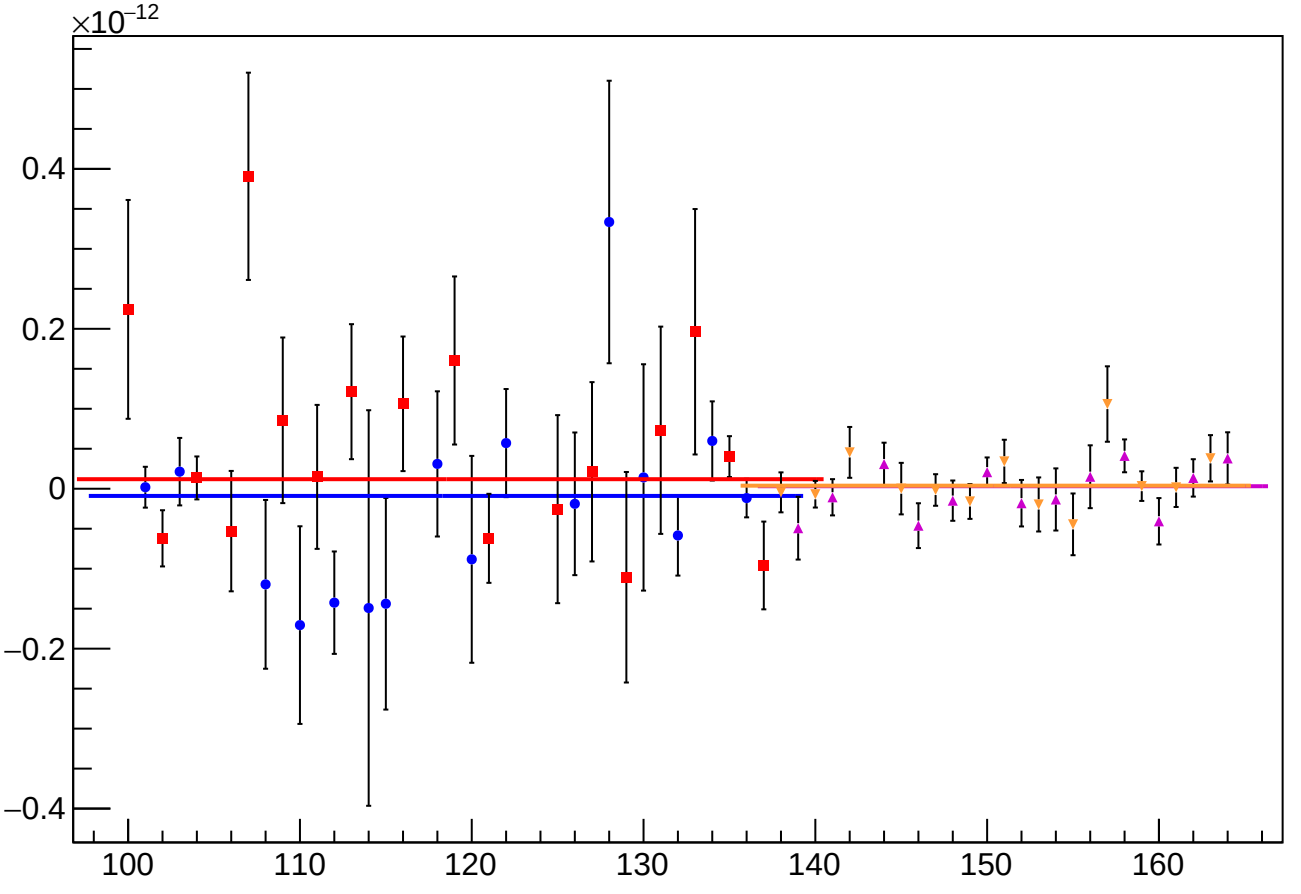
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.236+/-0.018 χ^2/NDF:372278.4/12

+ sign 82.707+/-0.014 χ^2/NDF: 1088018.5/28

All: 82.869+/-0.010 χ^2/NDF: 1933950.2/59

- sign 83.024+/-0.014 χ^2/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:12.5/12

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

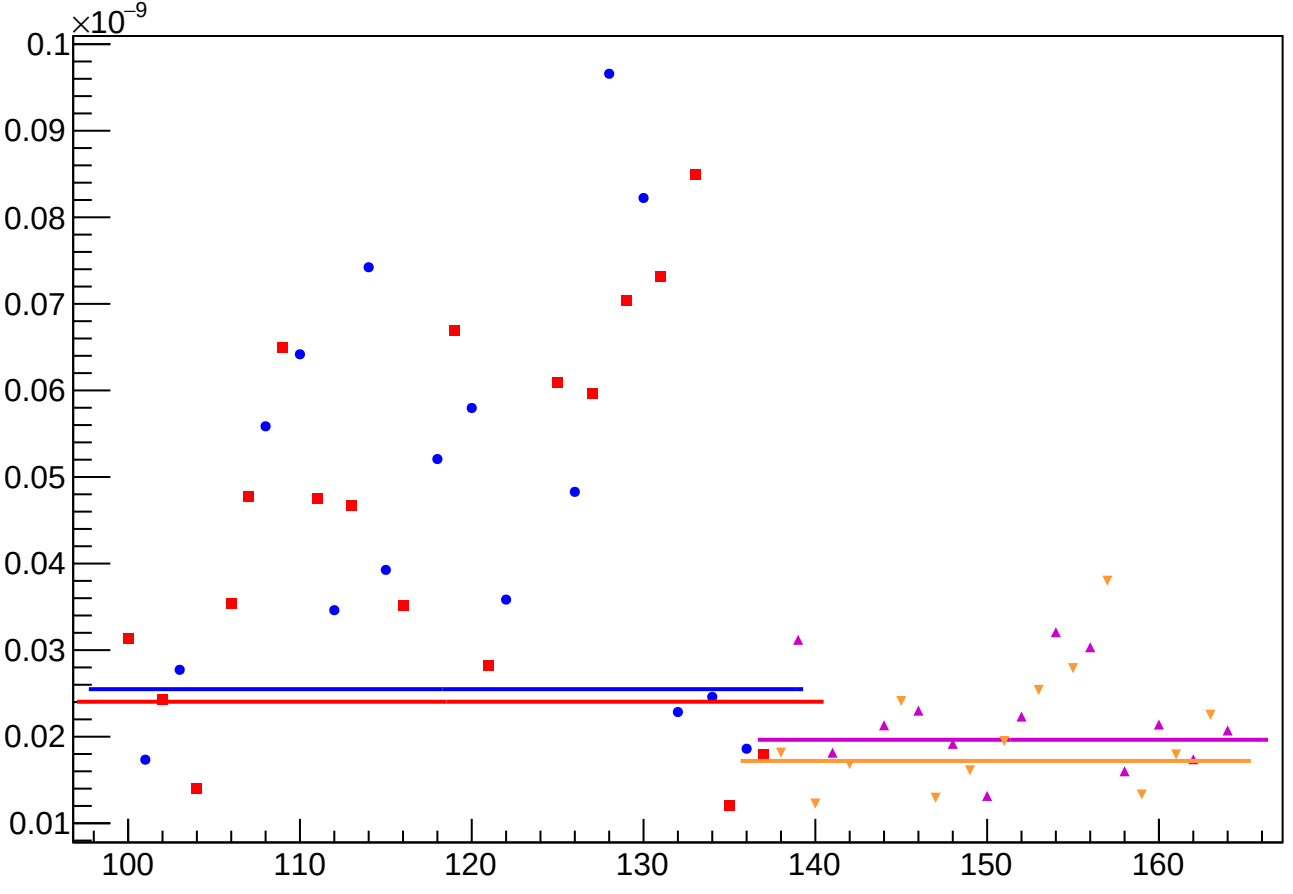
Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/28

All: 0.000+/-0.000 χ^2/NDF: 77.9/59

- 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:1200608.1/12

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

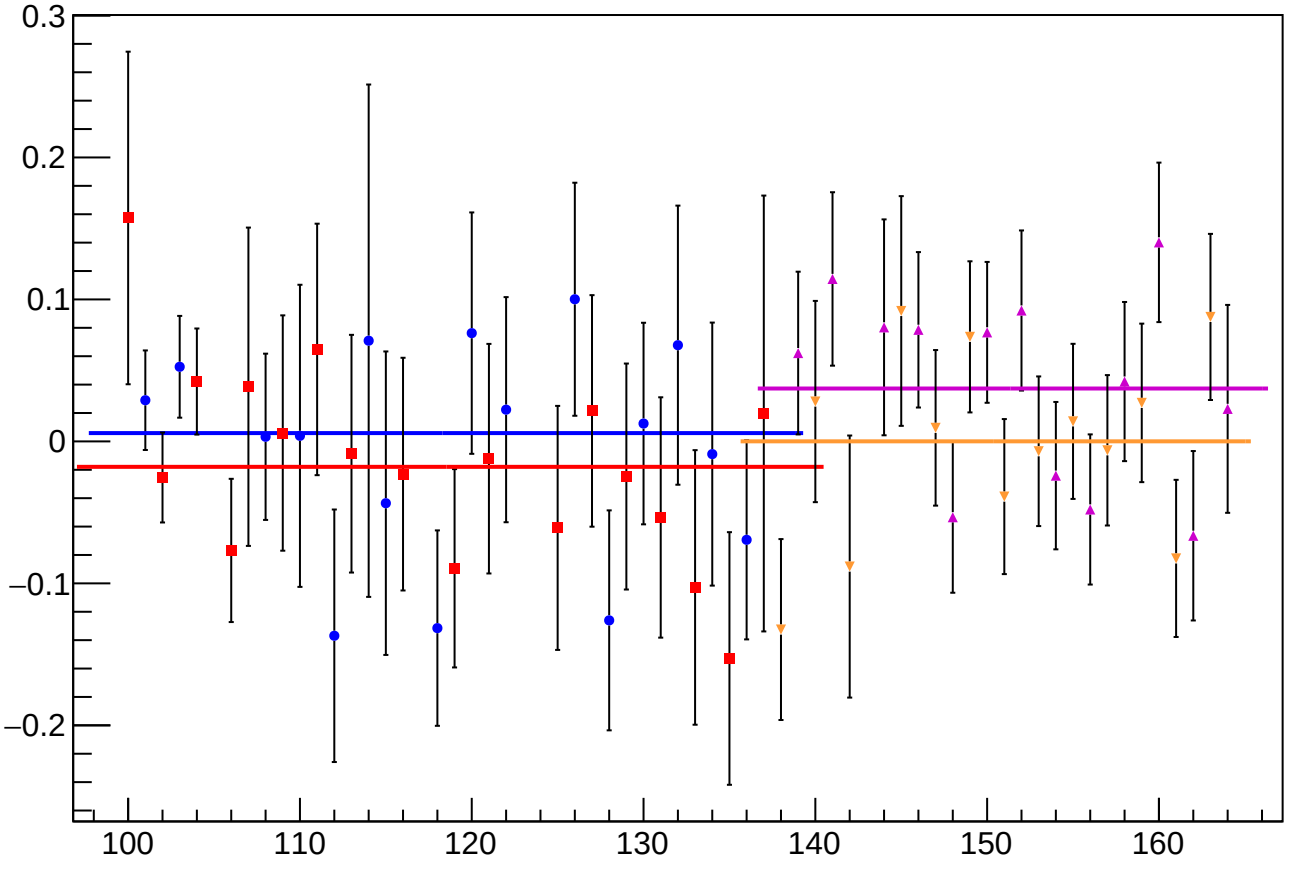
Left In: 0.000+/-0.000 χ^2/NDF:928566.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3816414.7/28

All: 0.000+/-0.000 χ^2/NDF: 8067258.3/59

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

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

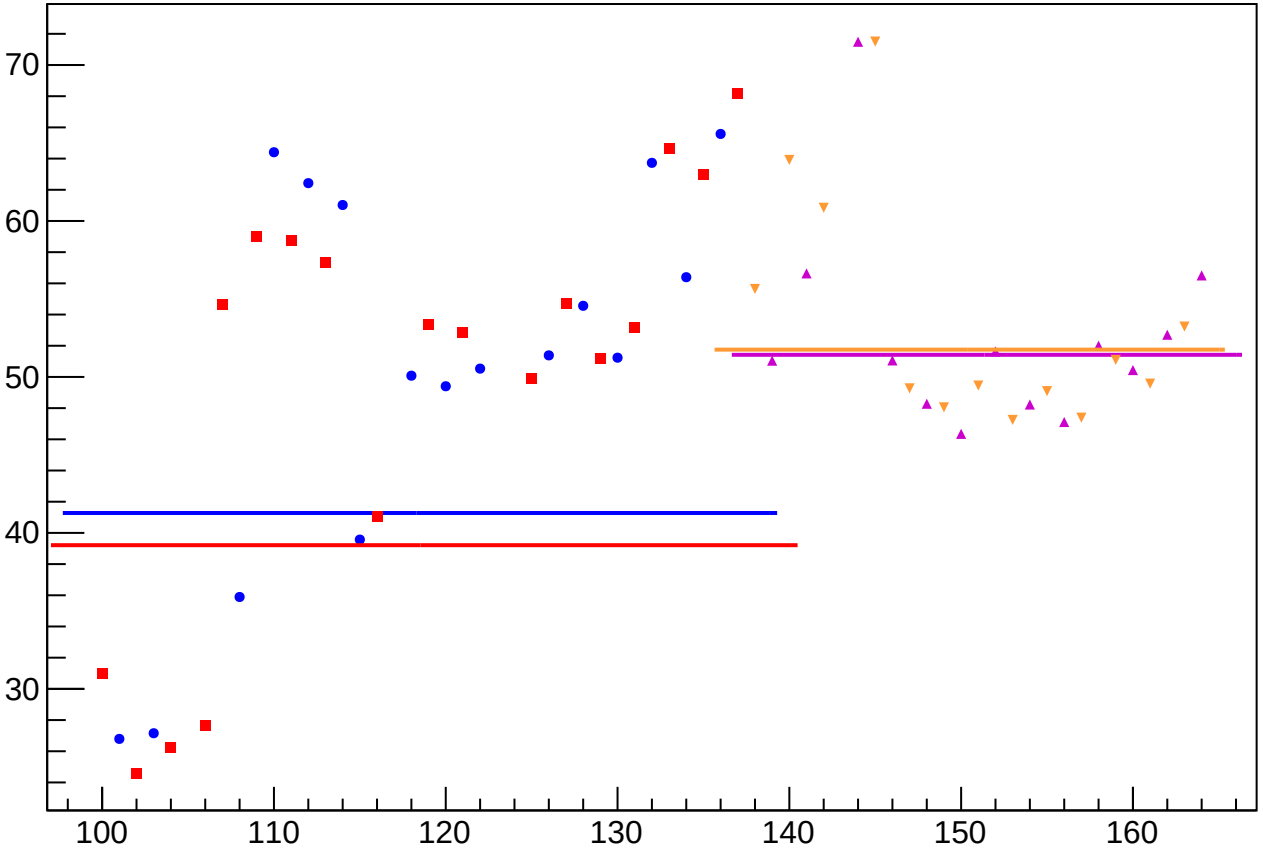
Left In: 0.037+/-0.016 χ^2/NDF:17.6/12

+ sign 0.003+/-0.012 χ^2/NDF: 29.6/28

All: 0.006+/-0.008 χ^2/NDF: 65.7/59

- sign 0.009+/-0.011 χ^2/NDF: 36.0/30

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 51.751+/-0.012 χ^2/NDF:259931.3/12

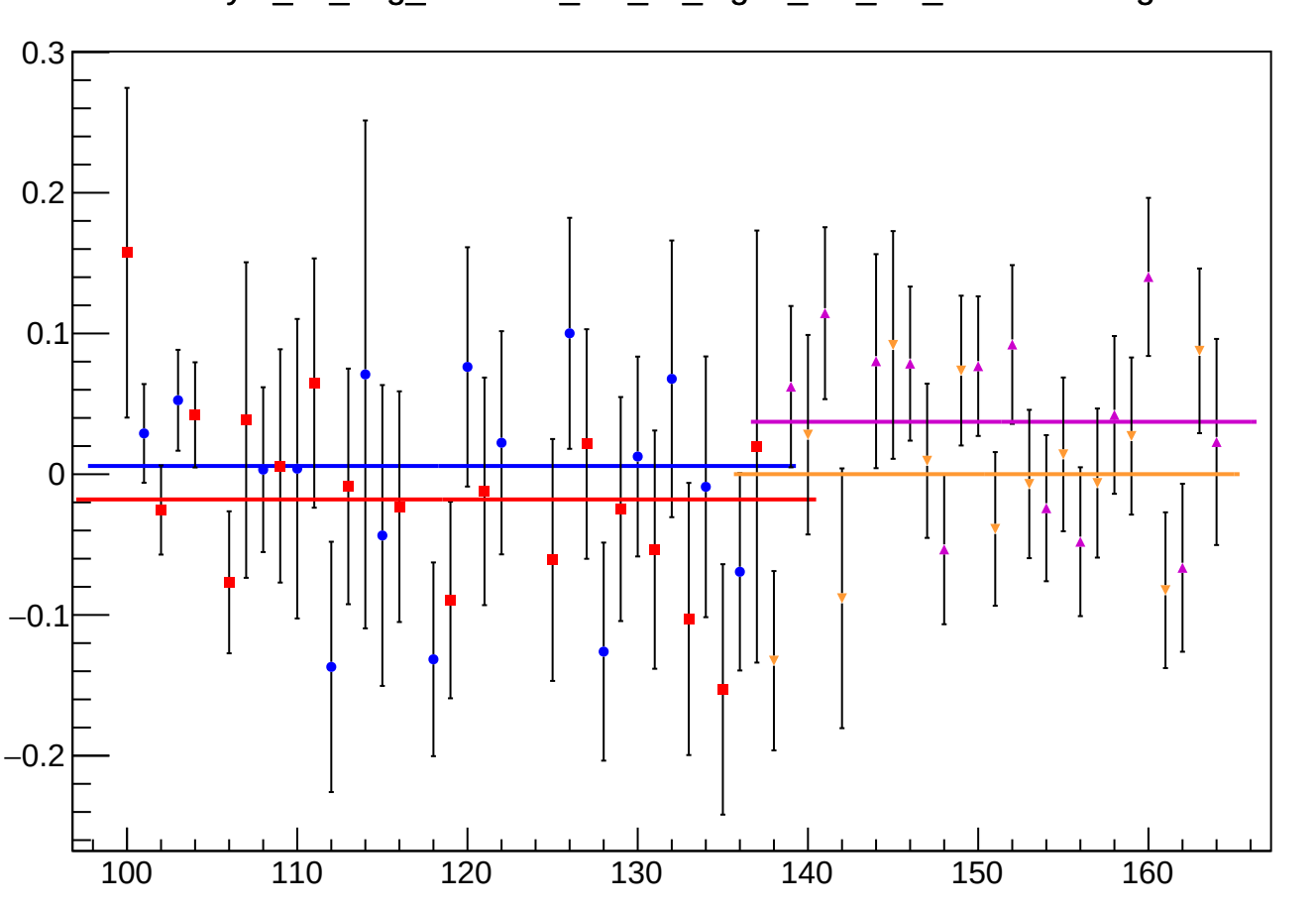
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 46.561+/-0.008 χ^2/NDF: 2170532.8/28

All: 45.891+/-0.006 χ^2/NDF: 4815336.1/59

- 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: 0.000+/-0.016 χ^2/NDF:13.9/12

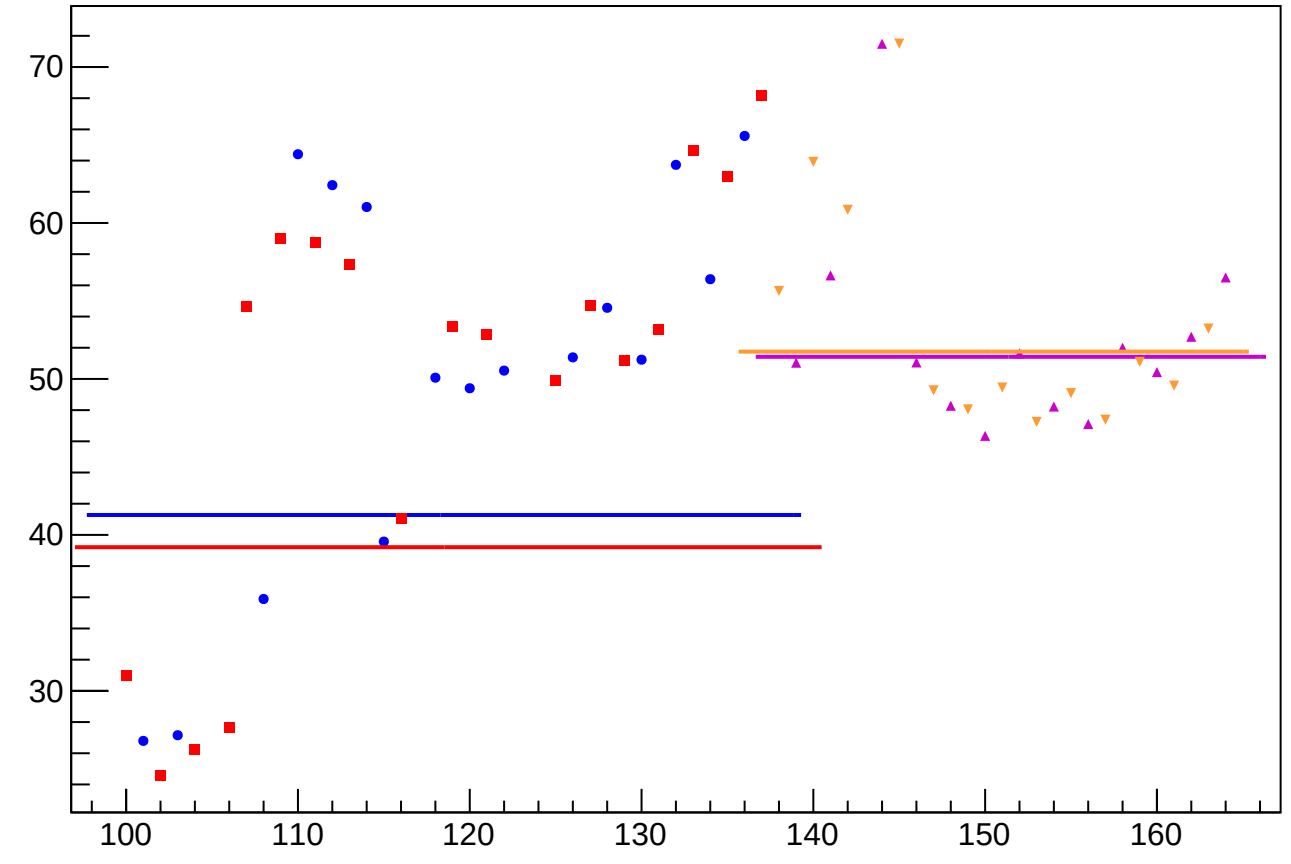
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign 0.003+/-0.012 χ^2/NDF: 29.6/28

All: 0.006+/-0.008 χ^2/NDF: 65.7/59

- 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: 51.751+/-0.012 χ^2/NDF:259931.3/12

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

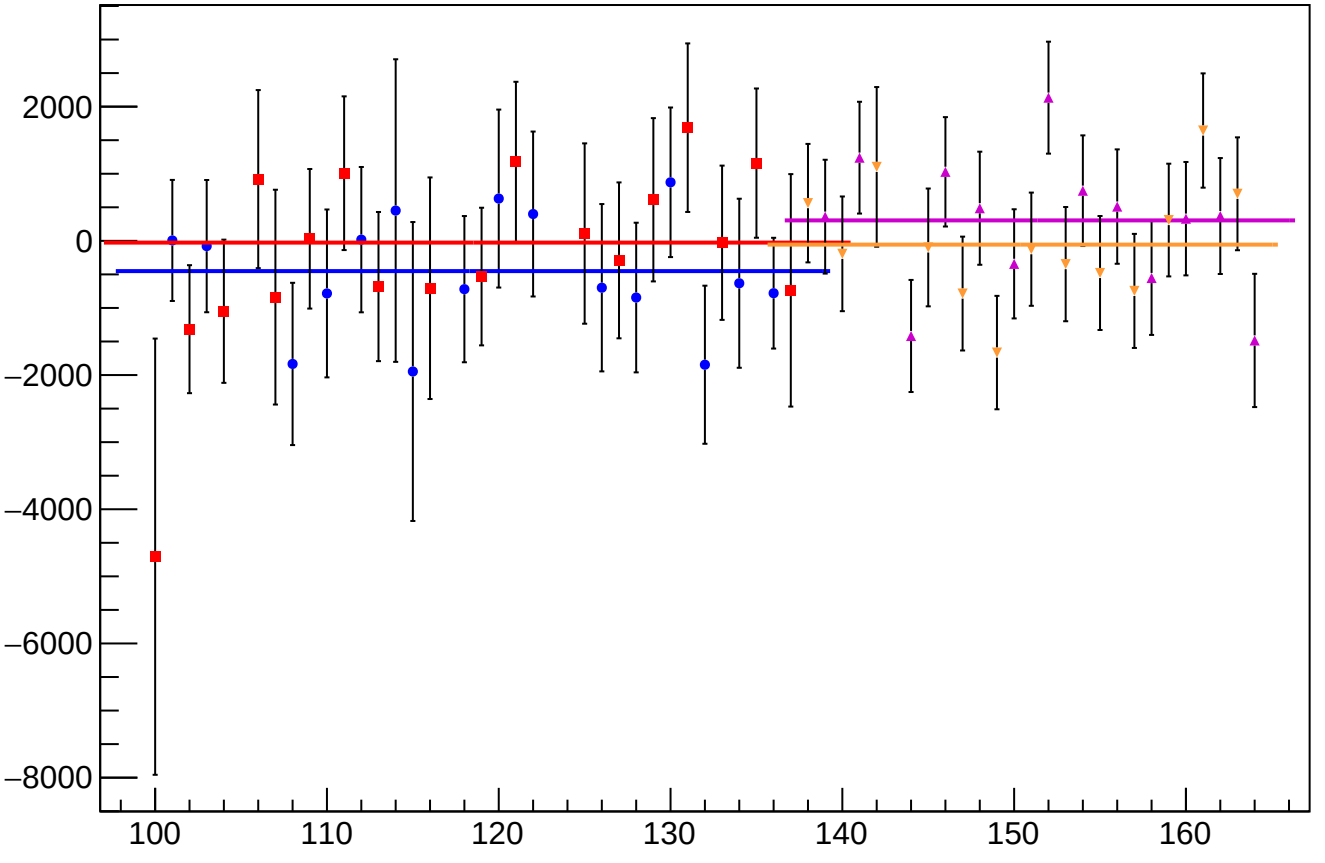
Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

+ sign 46.561+/-0.008 χ^2/NDF: 2170532.8/28

All: 45.891+/-0.006 χ^2/NDF: 4815336.1/59

- 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: -56.303+/-241.040 χ^2/NDF:11.8/12

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

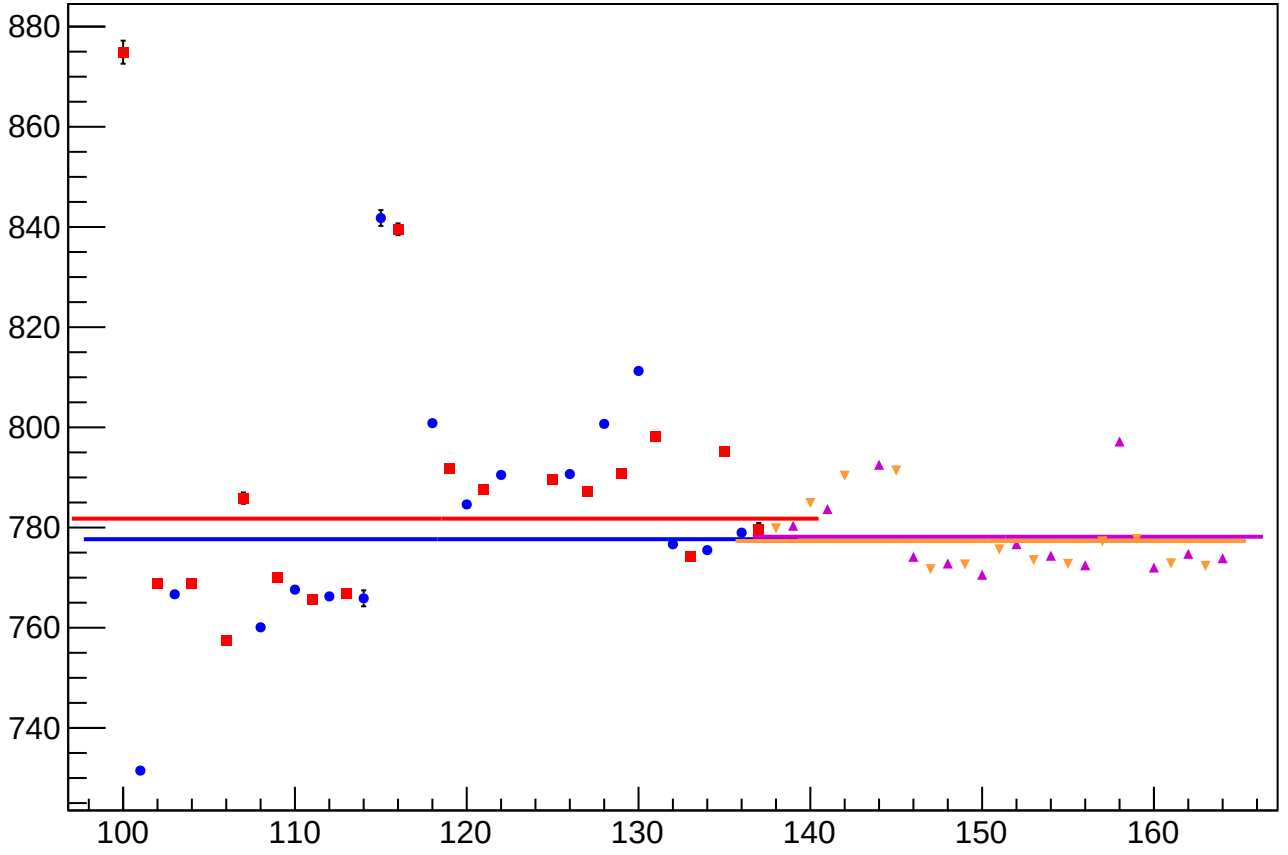
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: -19.586+/-129.799 χ^2/NDF: 51.0/59

- 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: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

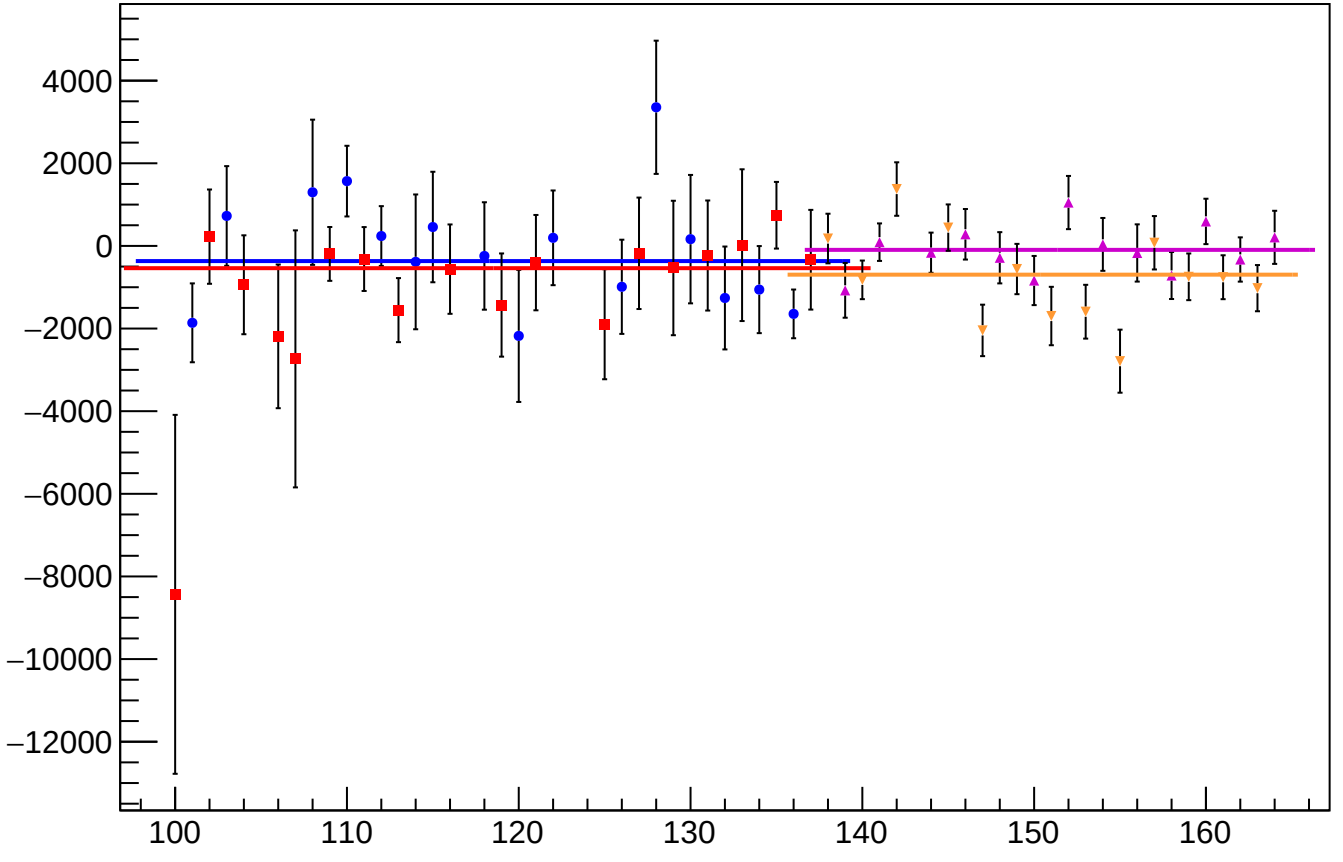
Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59

- 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: -695.765+/-165.436 χ^2/NDF:34.5/12

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

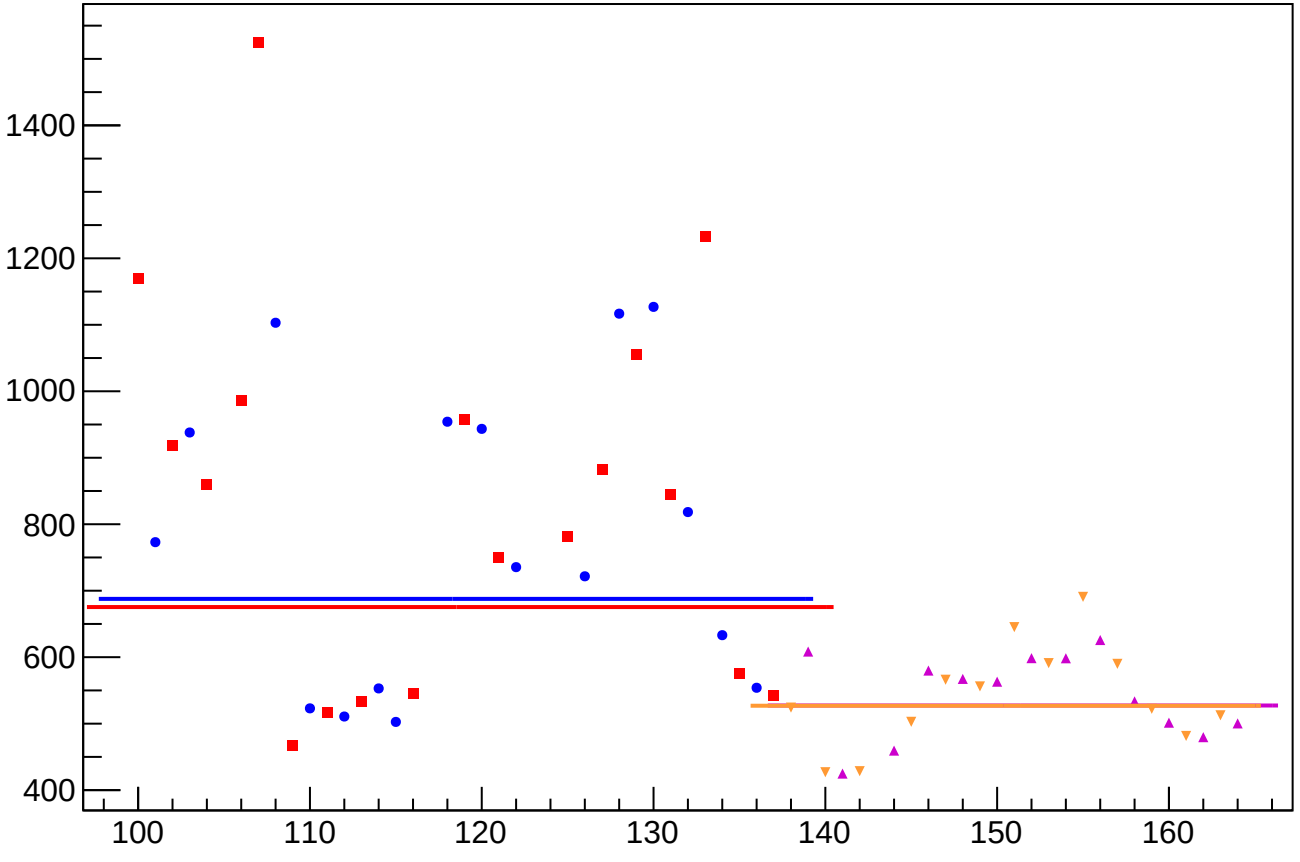
Left In: -95.621+/-160.716 χ^2/NDF:10.8/12

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -405.472+/-98.162 χ^2/NDF: 87.4/59

- 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: 526.972+/-0.117 χ^2/NDF:356751.1/12

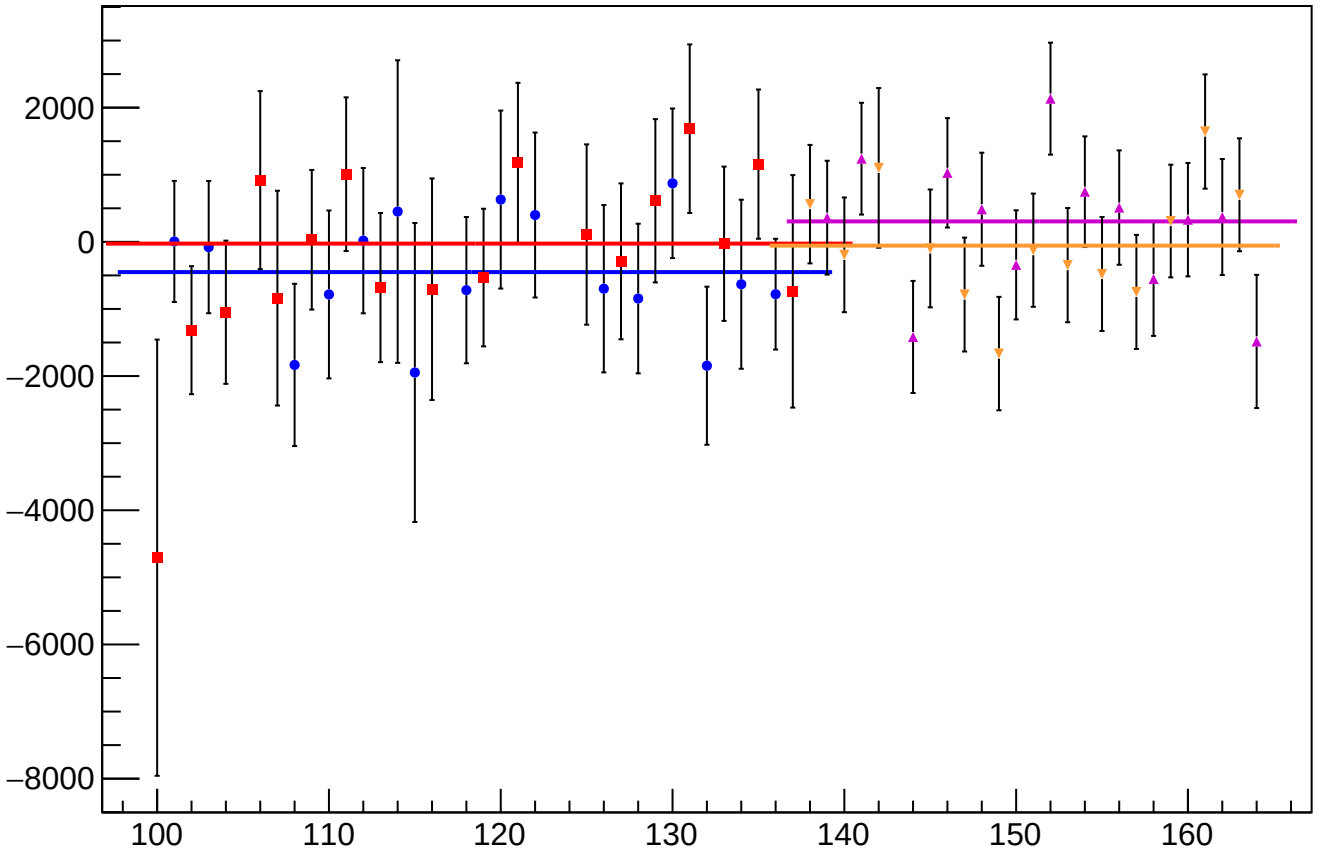
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59

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



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

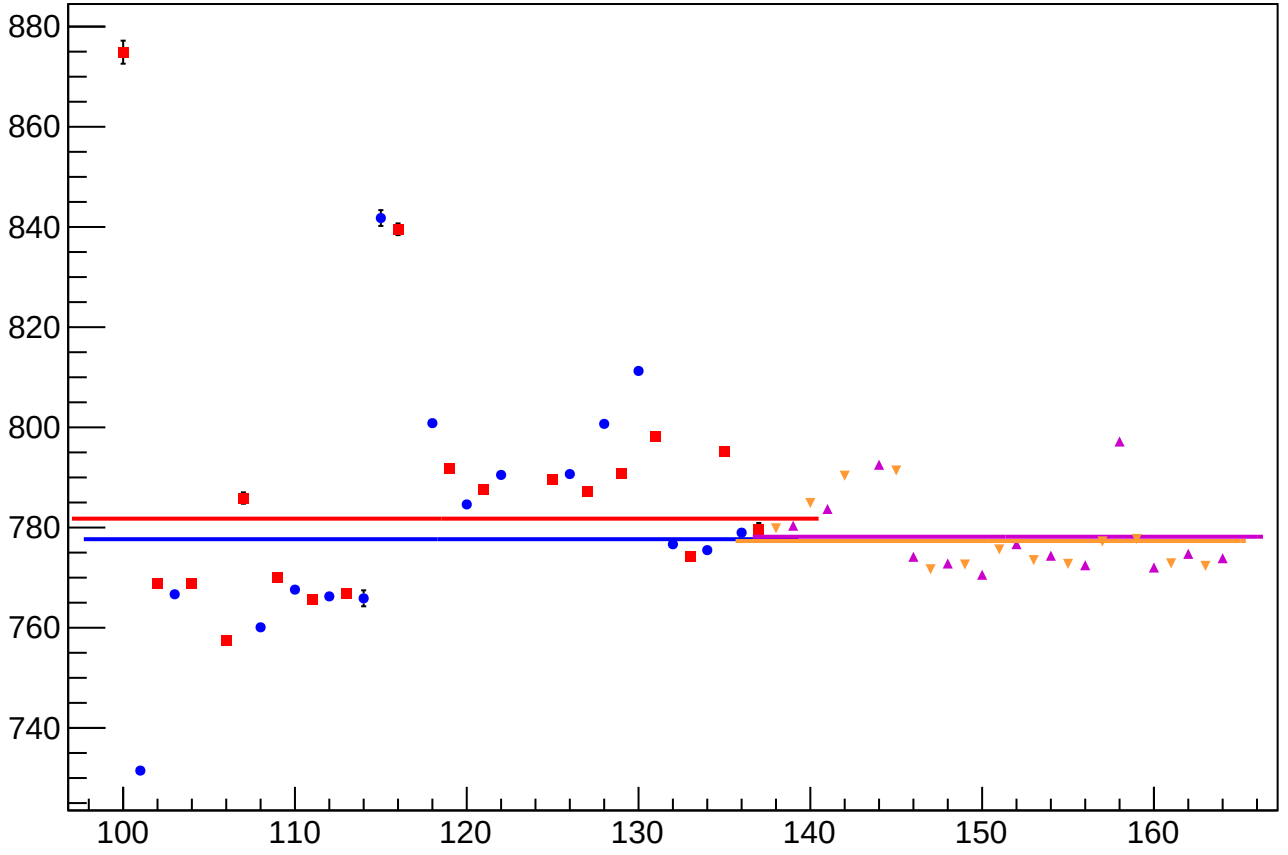
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: -19.586+/-129.799 χ^2/NDF: 51.0/59

- 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: 777.314+/-0.170 χ^2/NDF:1309.2/12

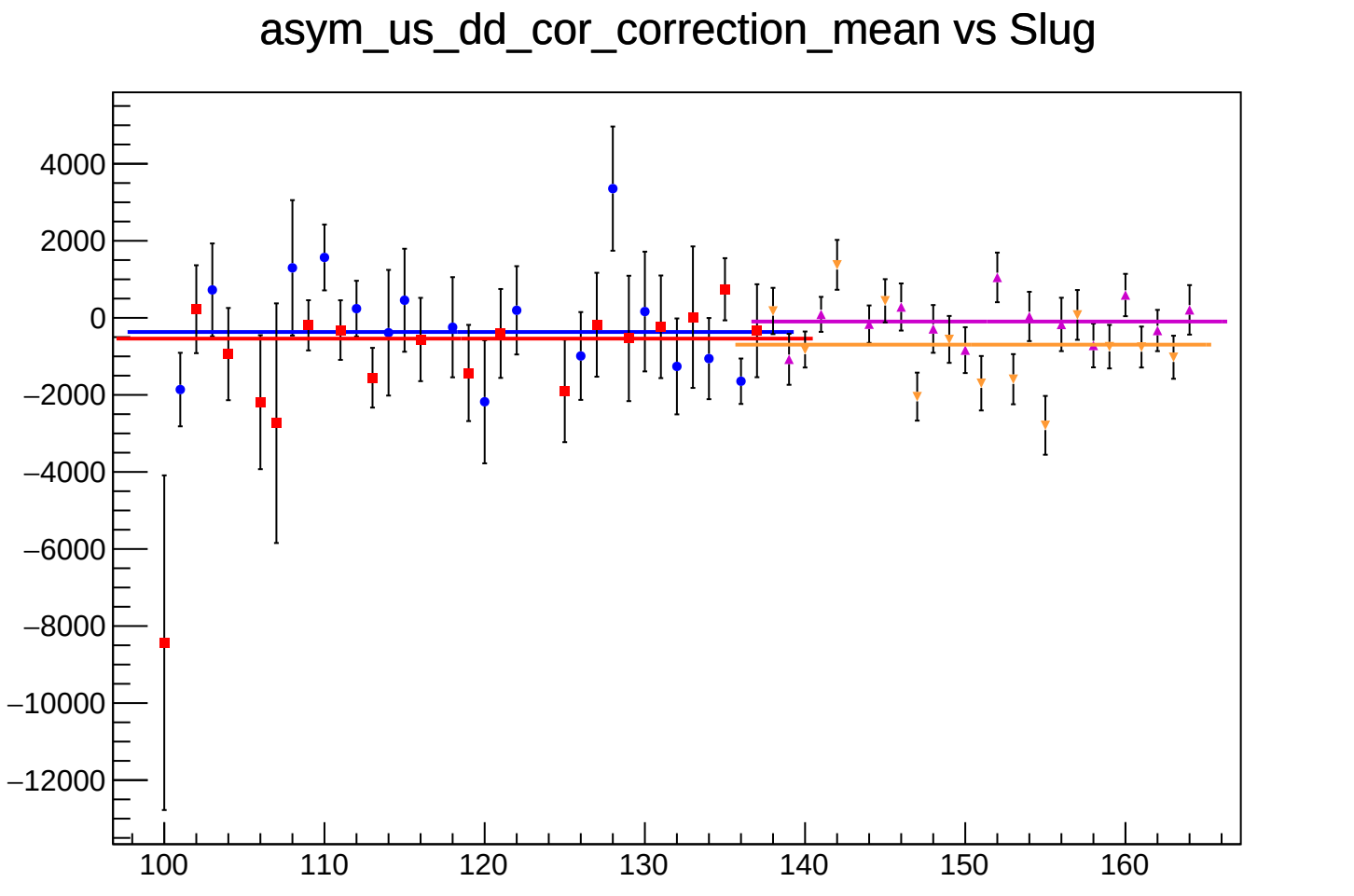
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59

- 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: -695.765+/-165.436 χ^2/NDF:34.5/12

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

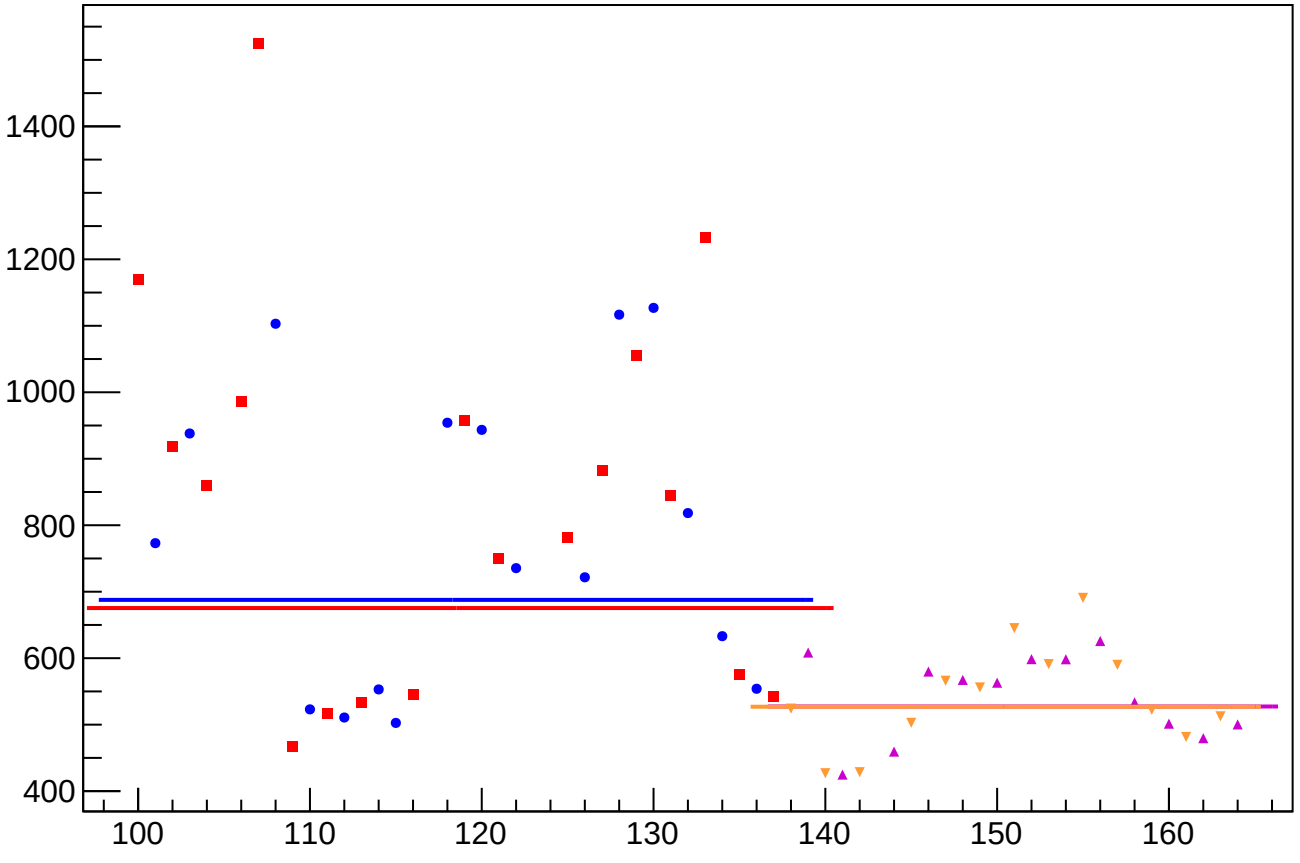
Left In: -95.621+/-160.716 χ^2/NDF:10.8/12

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -405.472+/-98.162 χ^2/NDF: 87.4/59

- 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: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

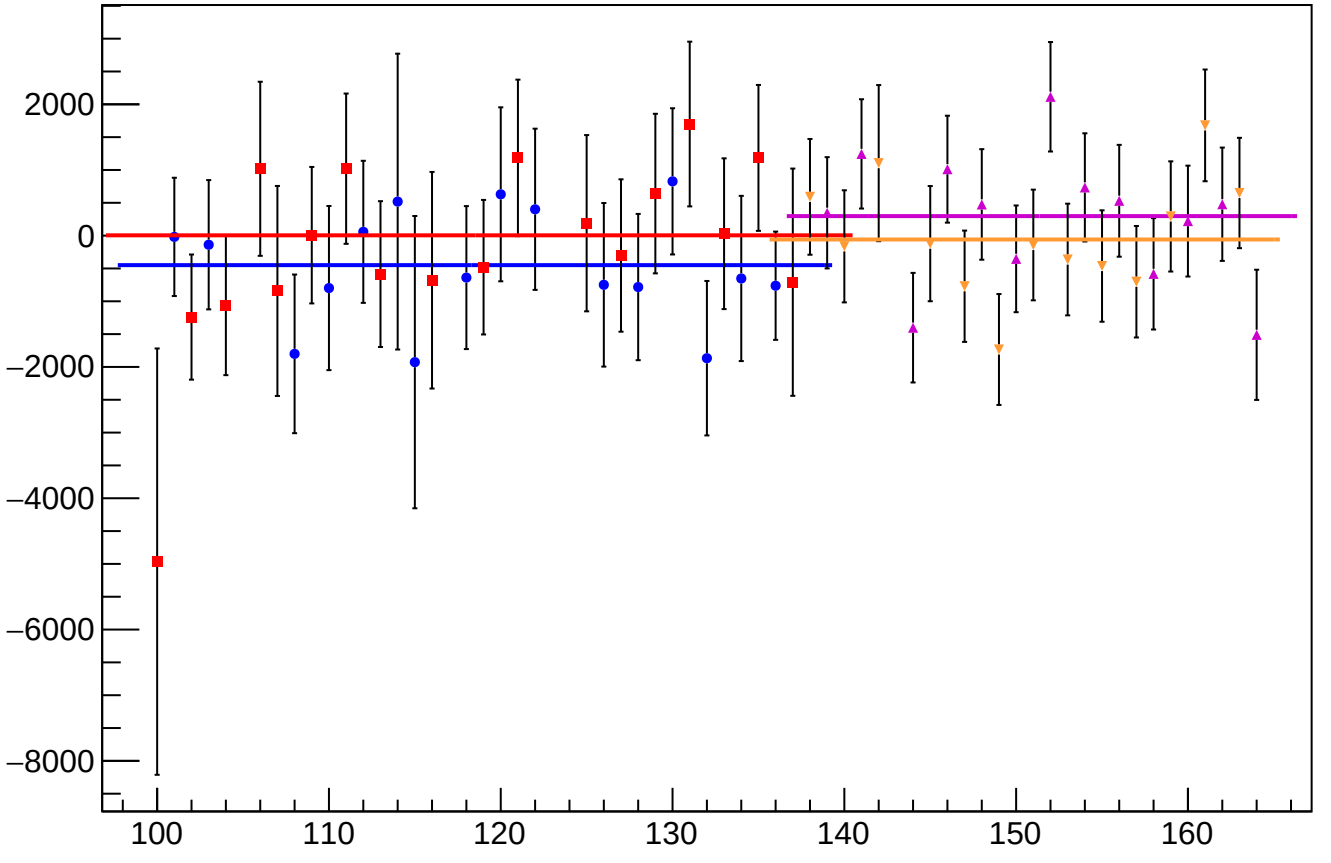
Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59

- 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: -58.661+/-240.827 χ^2/NDF:12.2/12

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

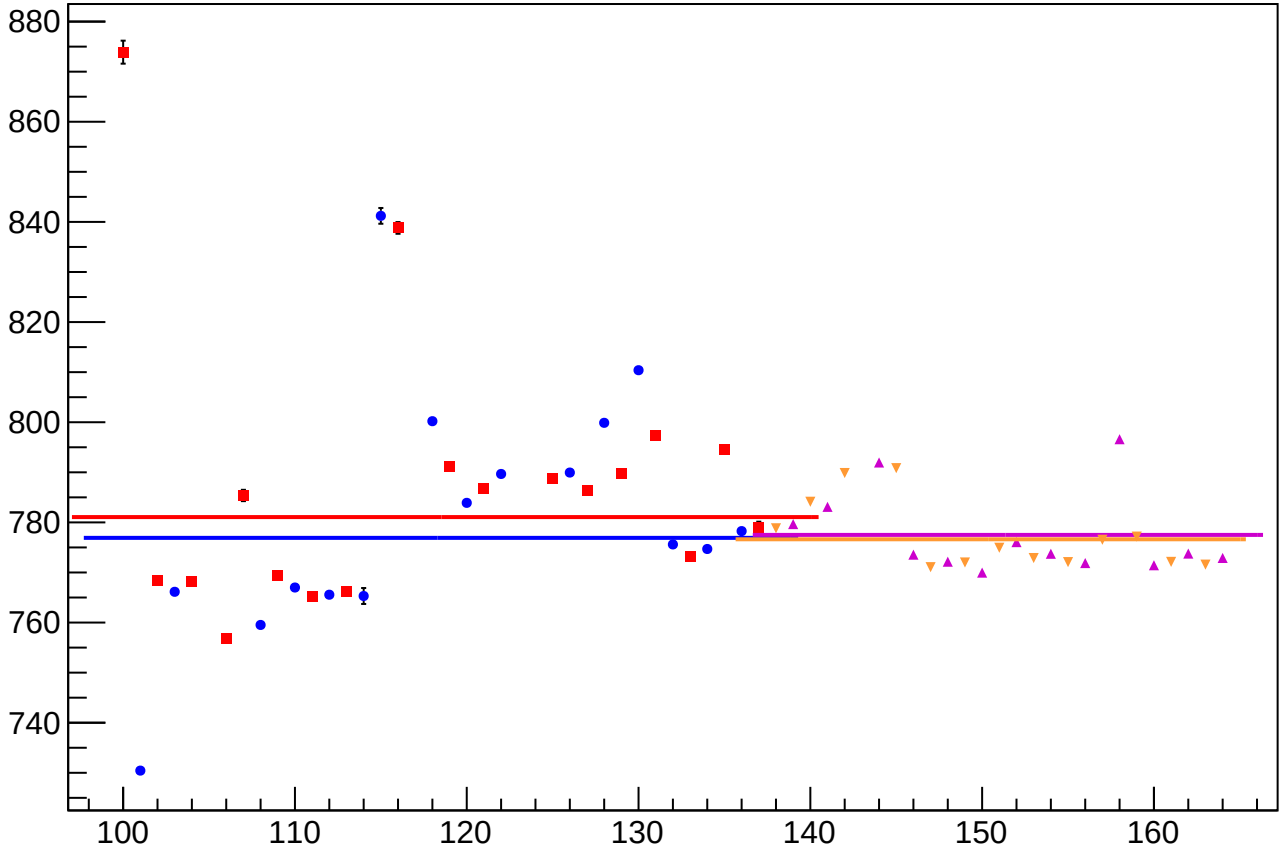
Left In: 297.300+/-234.743 χ^2/NDF:16.5/12

+ sign -219.025+/-184.923 χ^2/NDF: 20.0/28

All: -16.036+/-129.682 χ^2/NDF: 51.3/59

- 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: 776.628+/-0.170 χ^2/NDF:1319.0/12

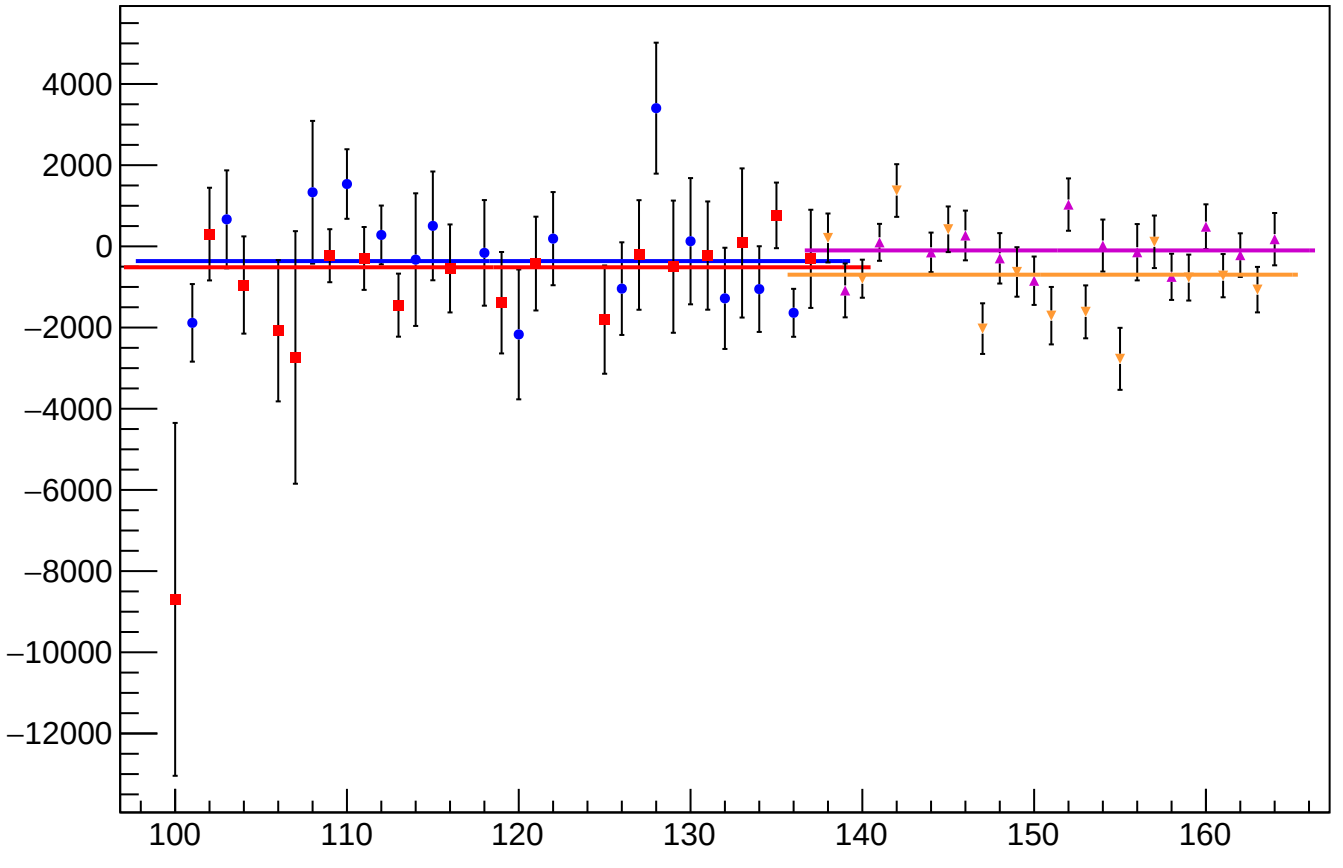
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

+ sign 776.745+/-0.131 χ^2/NDF: 13443.7/28

All: 777.852+/-0.092 χ^2/NDF: 23690.9/59

- 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: -697.709+/-165.777 χ^2/NDF:34.4/12

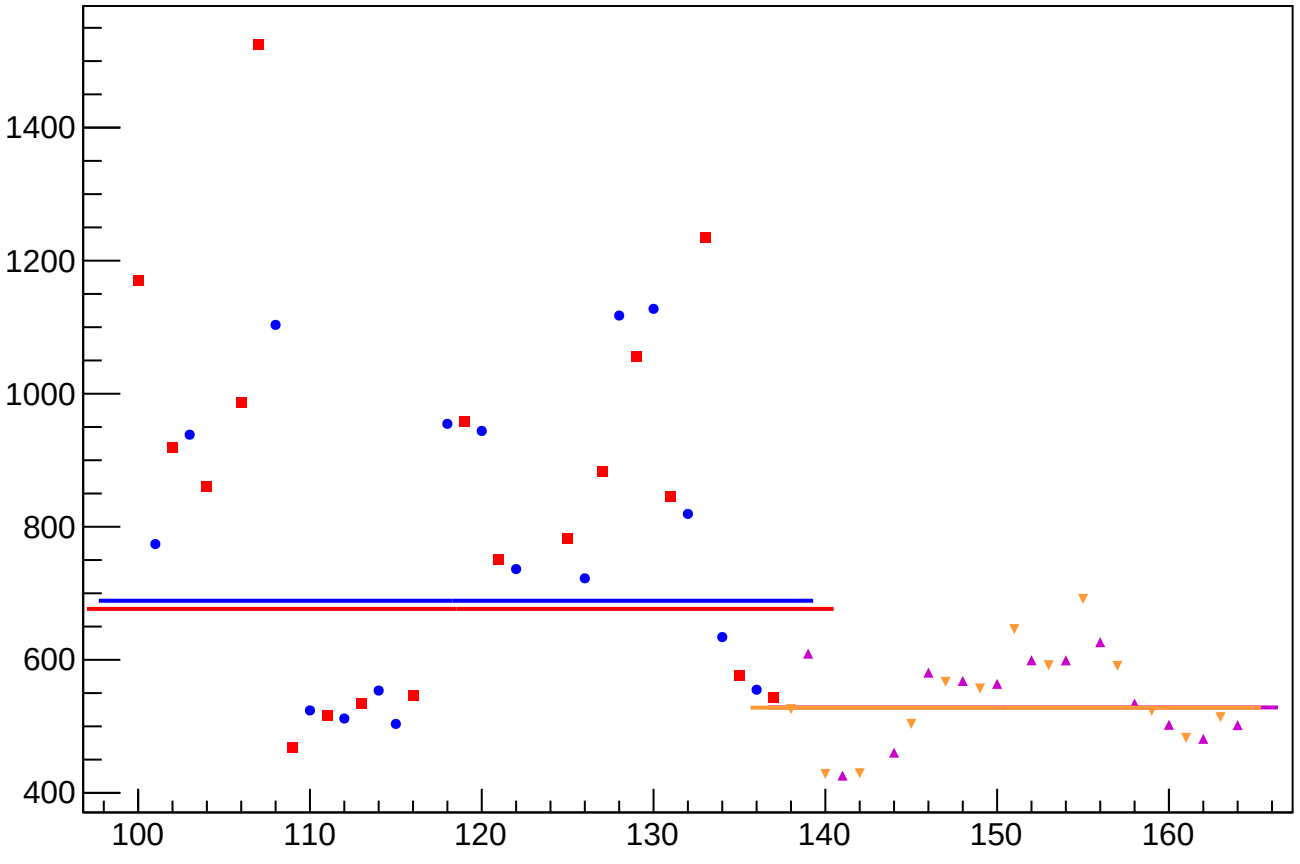
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

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

+ sign -604.571+/-140.851 χ^2/NDF: 58.9/28

All: -403.923+/-98.345 χ^2/NDF: 86.3/59

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



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

Left Out: 528.110+/-0.117 χ^2/NDF:353769.7/12

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

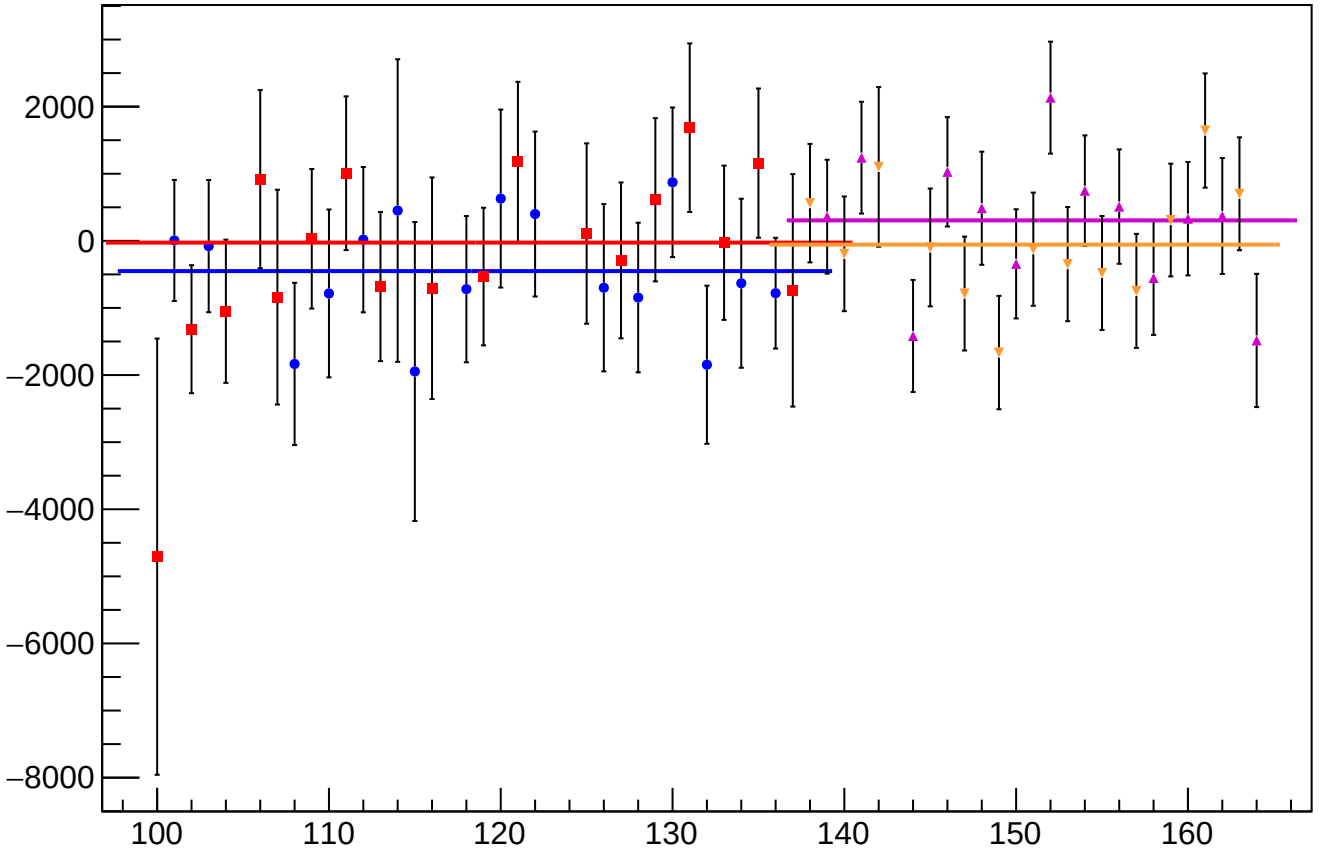
Left In: 528.407+/-0.114 χ^2/NDF:312110.6/12

+ sign 572.807+/-0.100 χ^2/NDF: 1904685.5/28

All: 570.723+/-0.070 χ^2/NDF: 3986592.2/59

- 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: -56.303+/-241.040 χ^2/NDF:11.8/12

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

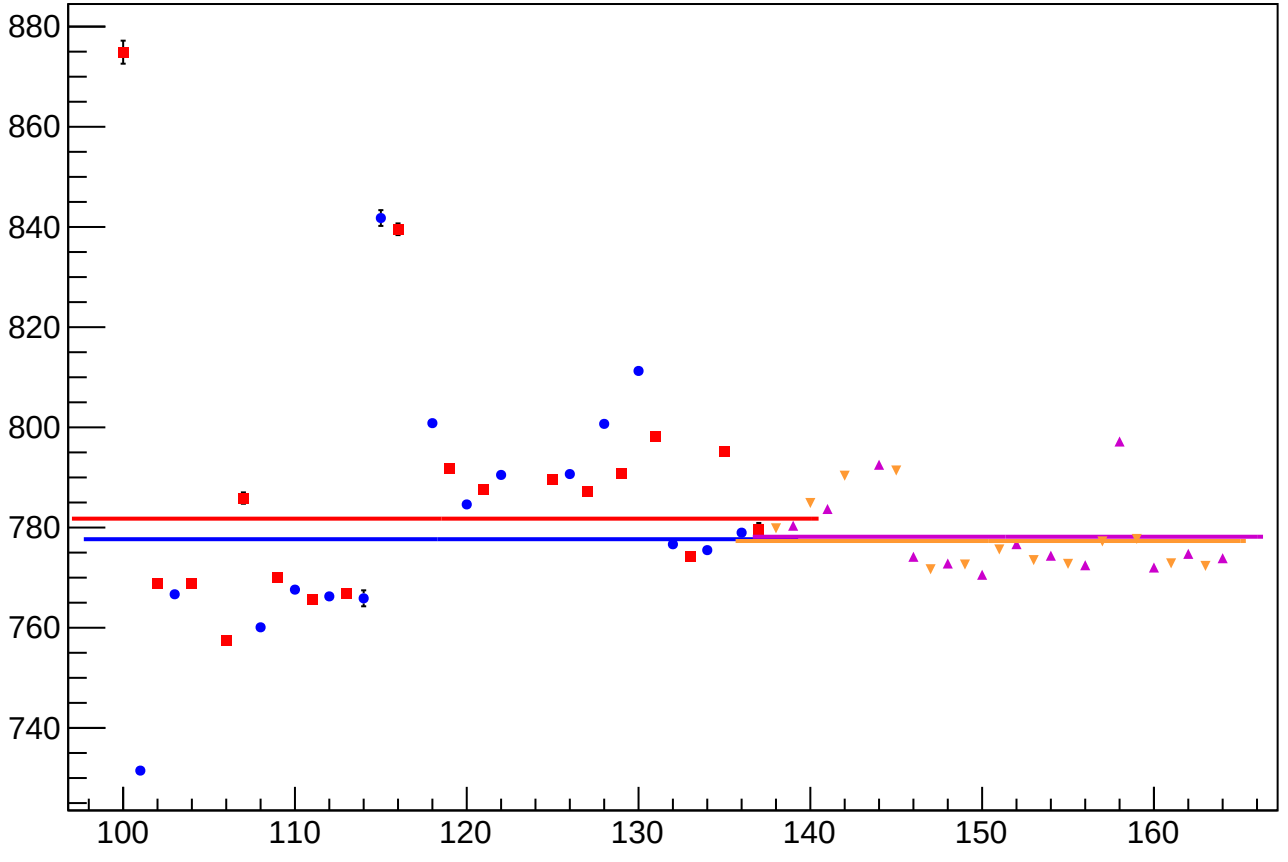
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: -19.586+/-129.799 χ^2/NDF: 51.0/59

- 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: 777.314+/-0.170 χ^2/NDF:1309.2/12

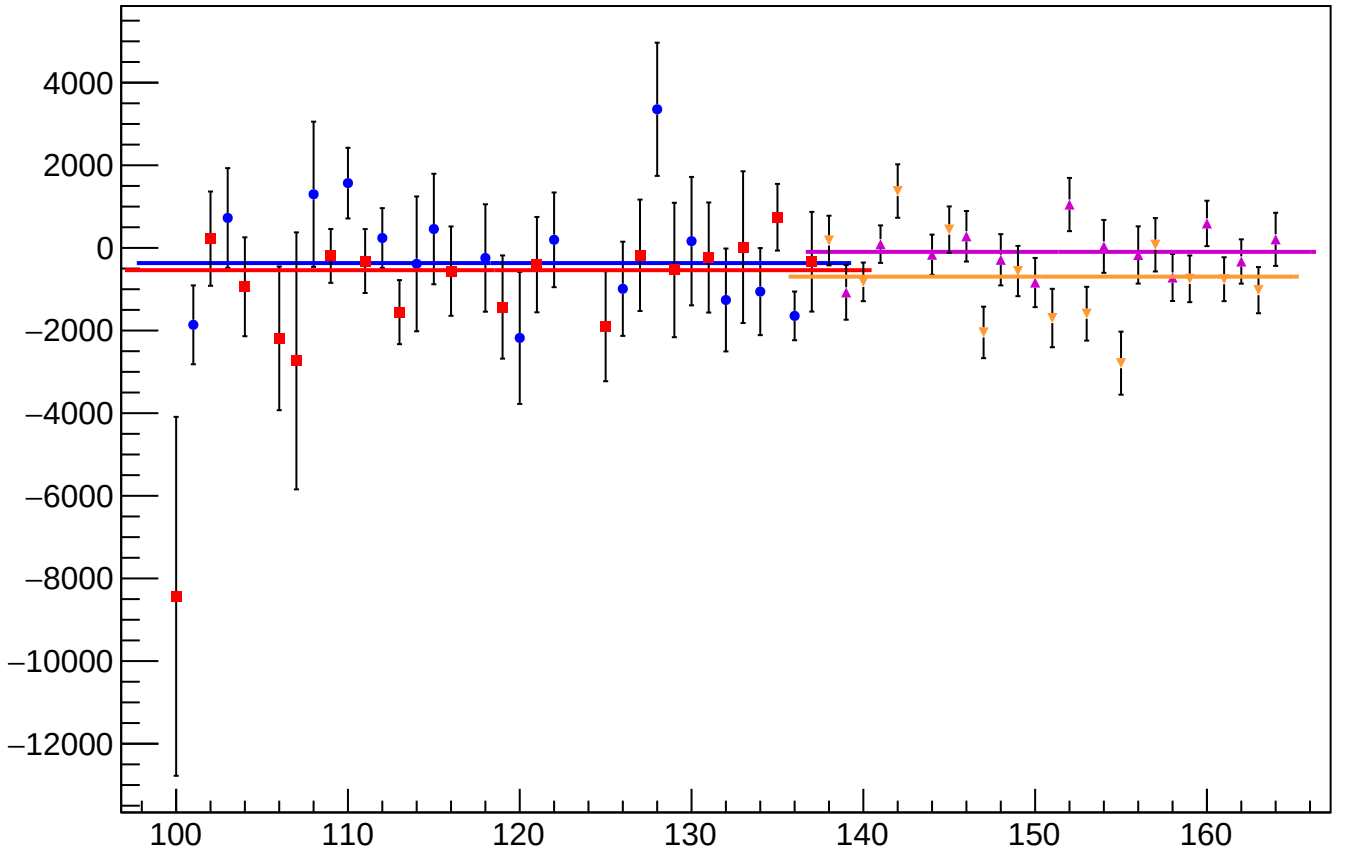
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59

- 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: -695.765+/-165.436 χ^2/NDF:34.5/12

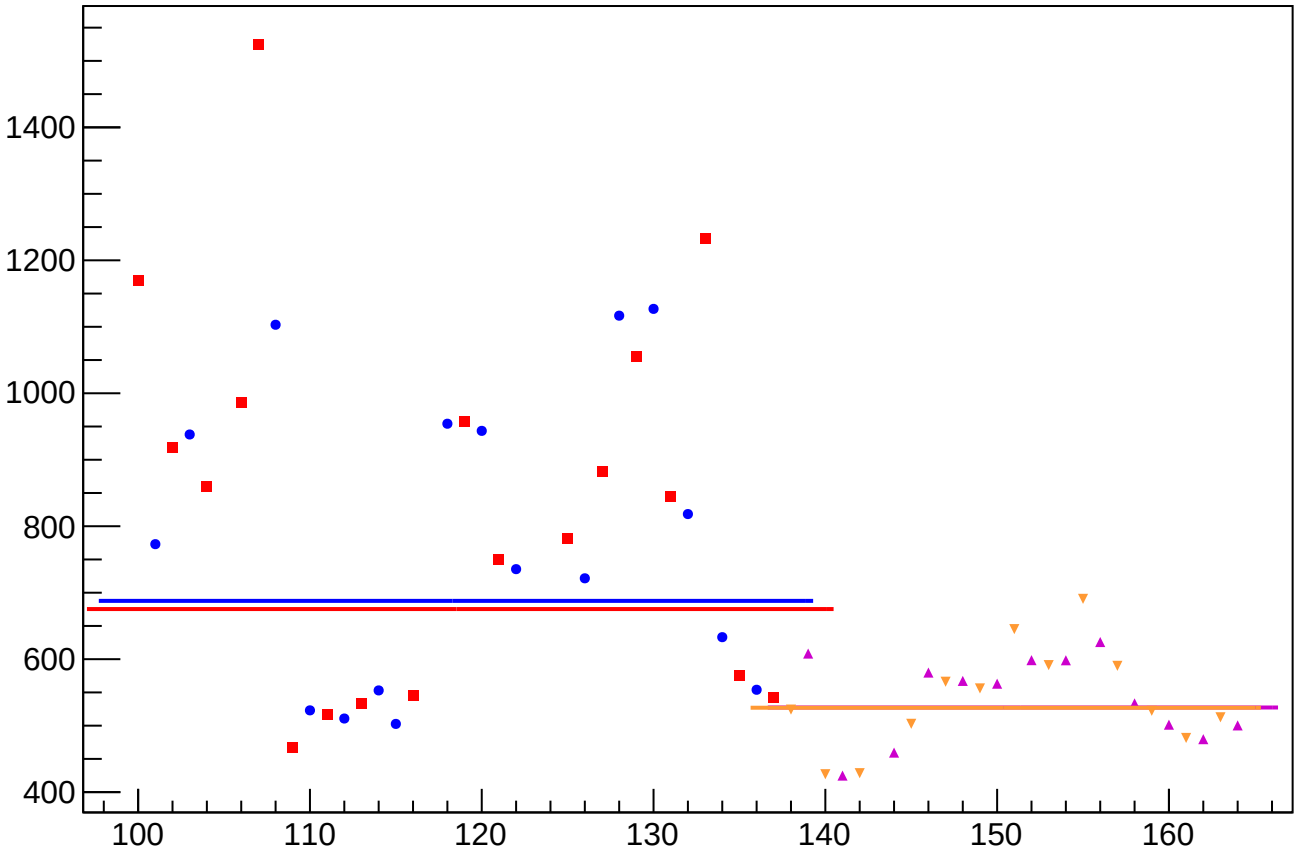
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -405.472+/-98.162 χ^2/NDF: 87.4/59

- 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: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

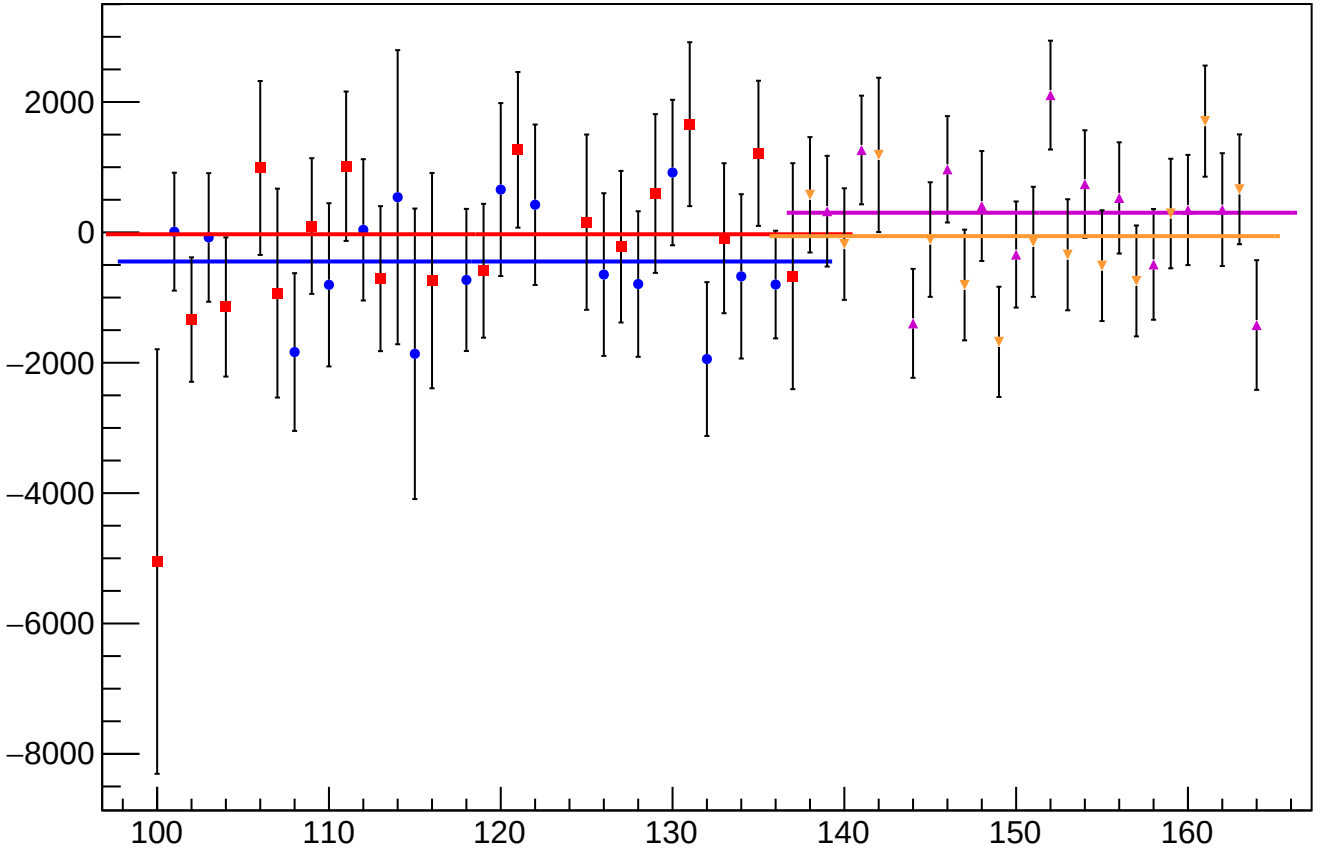
Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59

- 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: -57.925+/-241.219 χ^2/NDF:12.3/12

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

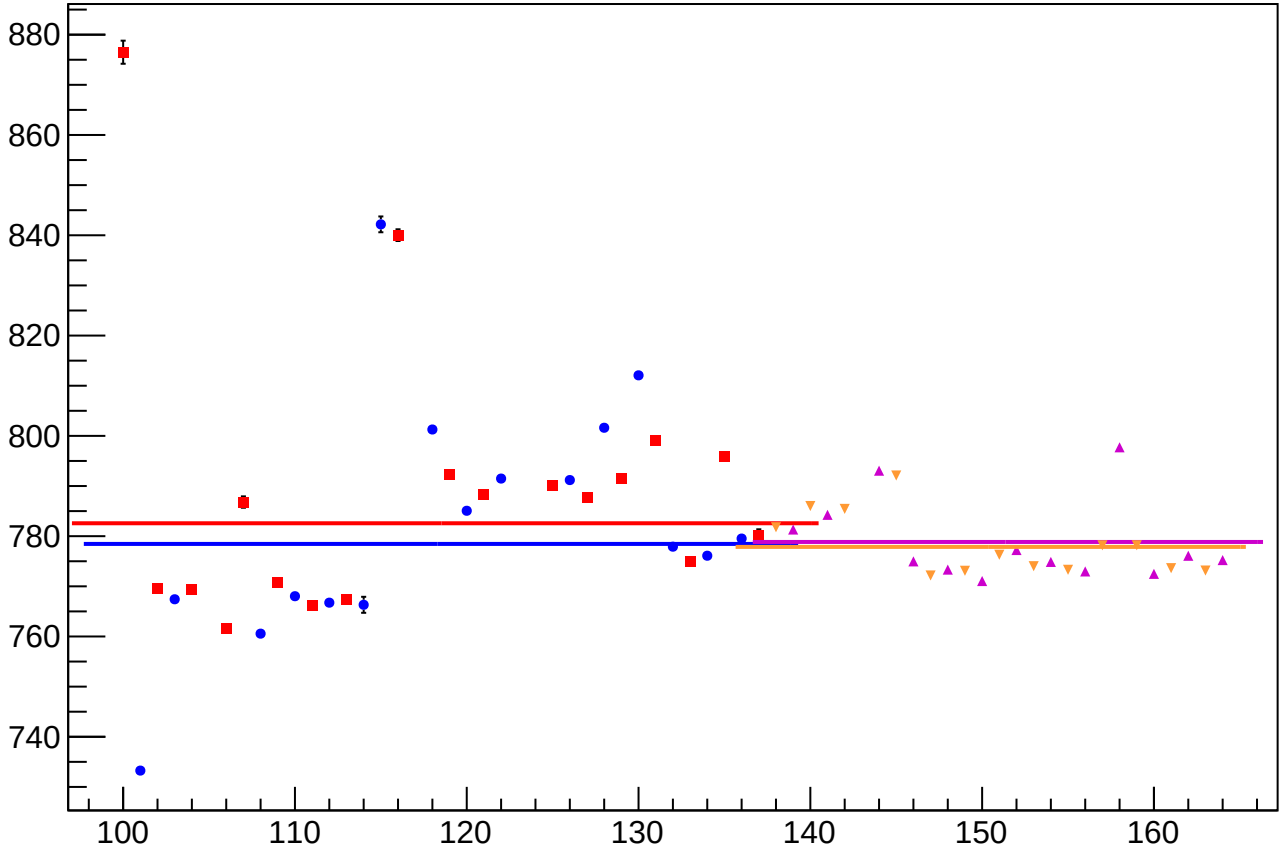
Left In: 301.091+/-235.149 χ^2/NDF:15.7/12

+ sign -217.388+/-185.251 χ^2/NDF: 20.7/28

All: -20.853+/-129.915 χ^2/NDF: 52.0/59

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

dit_asym_us_dd_rms vs Slug



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

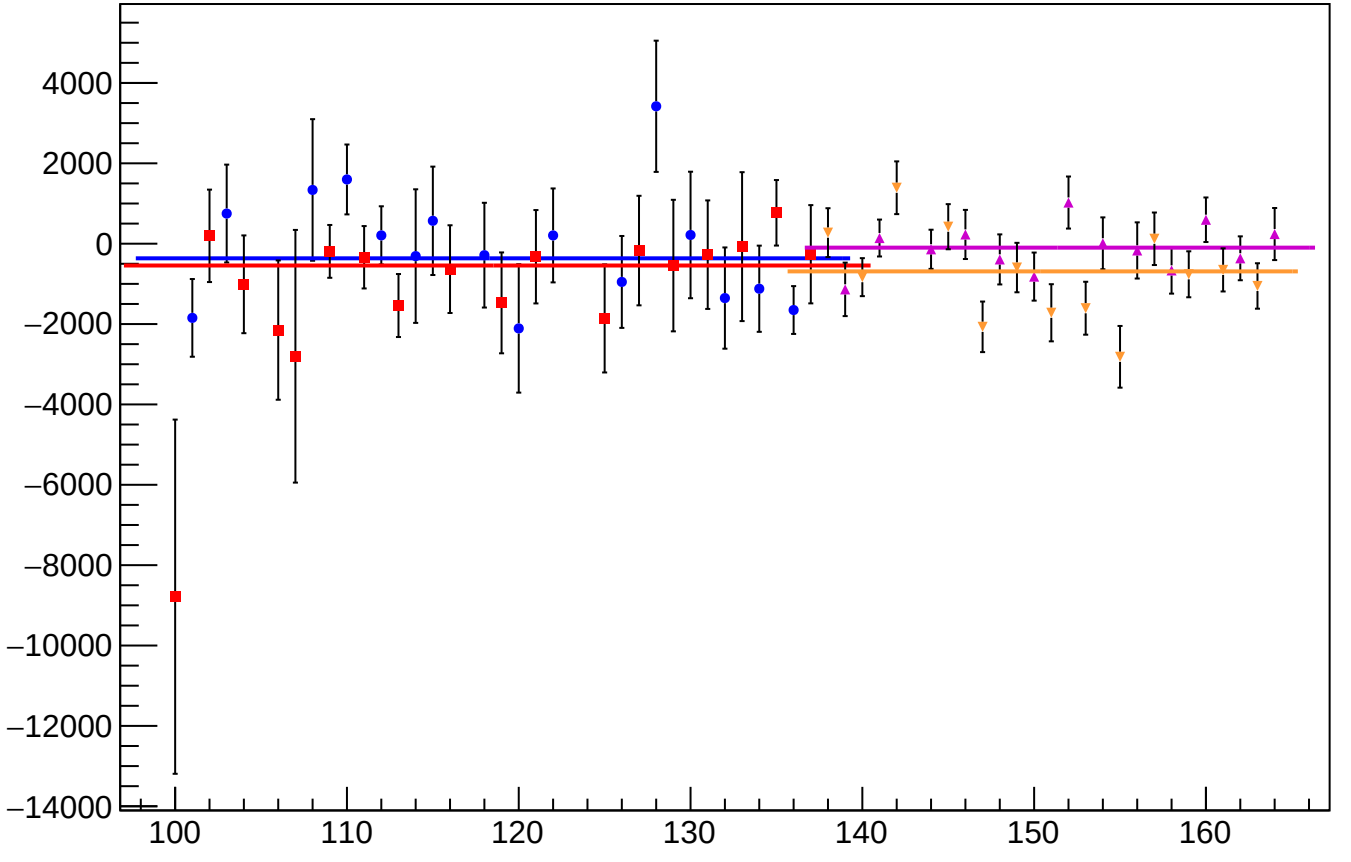
Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

+ sign 778.105+/-0.131 χ^2/NDF: 12999.5/28

All: 779.239+/-0.092 χ^2/NDF: 23119.1/59

- 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: -689.165+/-167.081 χ^2/NDF:35.1/12

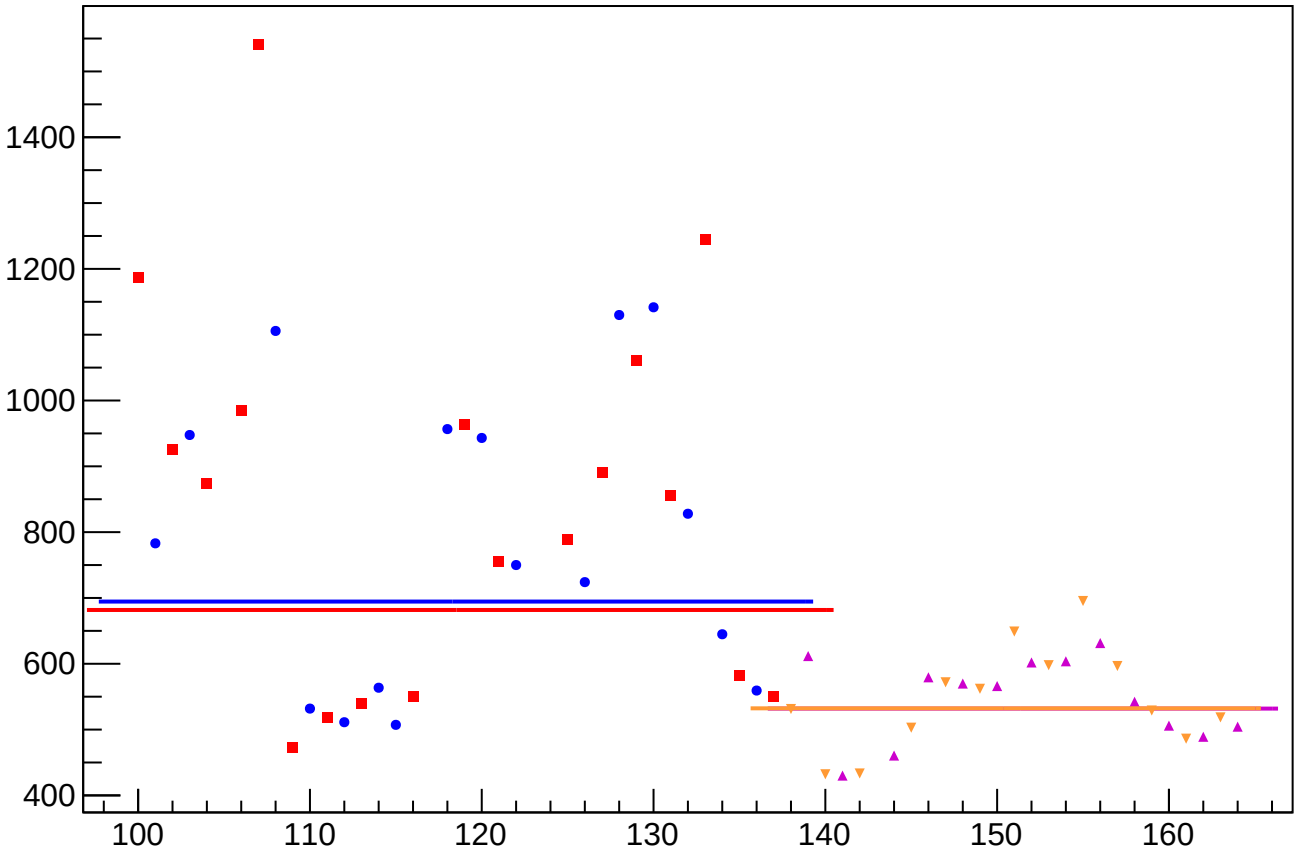
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

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

+ sign -598.790+/-141.978 χ^2/NDF: 59.5/28

All: -404.032+/-99.064 χ^2/NDF: 87.7/59

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



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

Left Out: 532.296+/-0.118 χ^2/NDF:352704.0/12

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

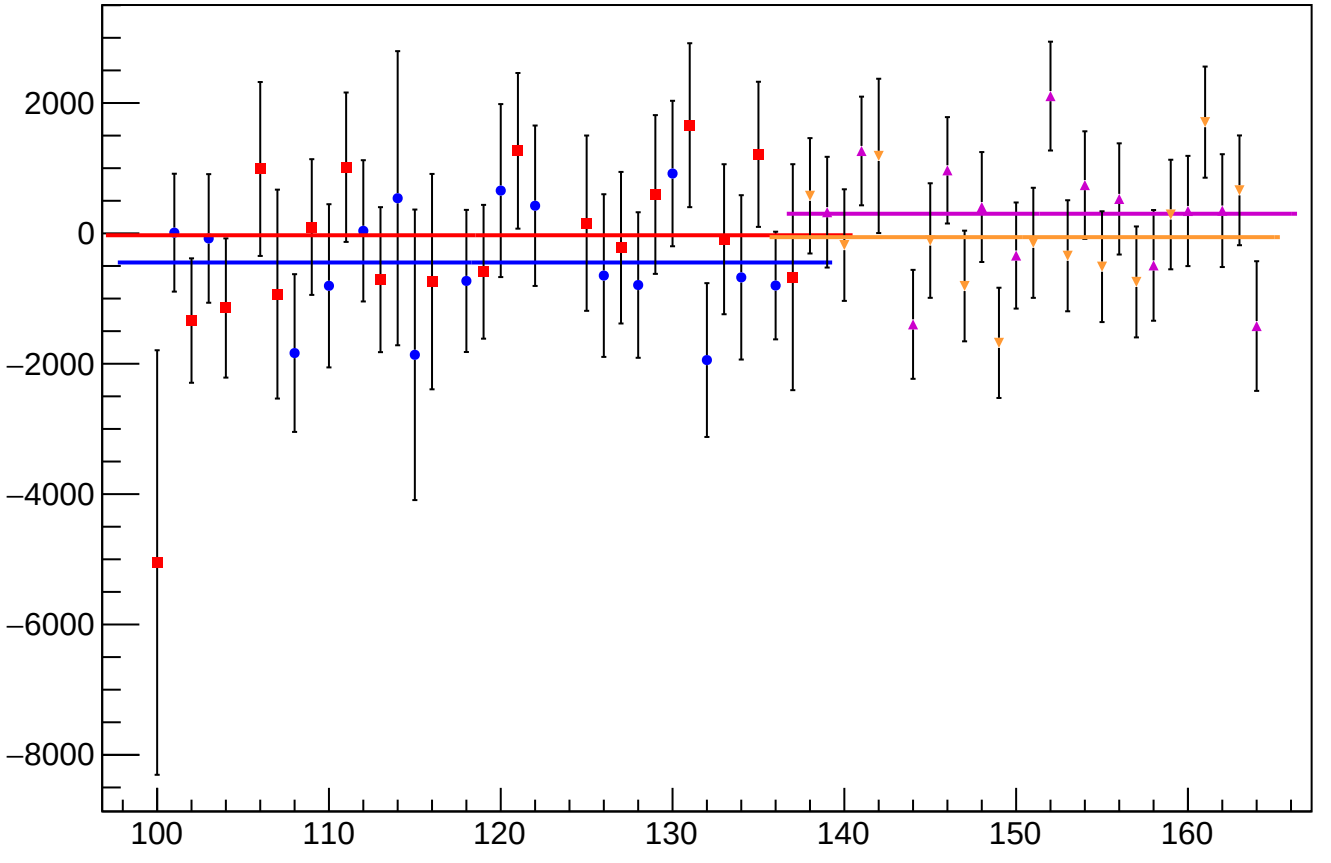
Left In: 531.899+/-0.115 χ^2/NDF:305800.1/12

+ sign 577.382+/-0.100 χ^2/NDF: 1906593.6/28

All: 574.939+/-0.070 χ^2/NDF: 3989593.9/59

- 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: -57.927+/-241.219 χ^2/NDF:12.3/12

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

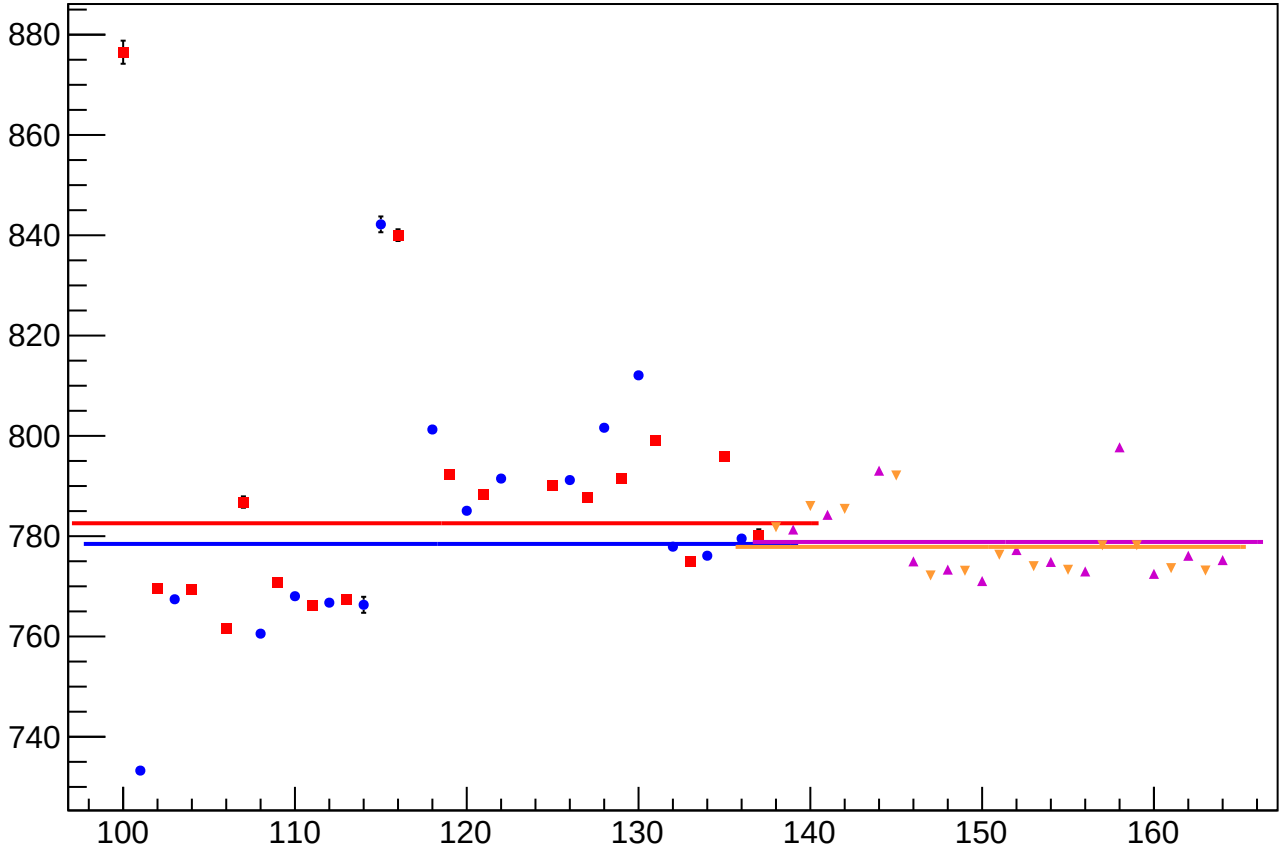
Left In: 301.090+/-235.149 χ^2/NDF:15.7/12

+ sign -217.389+/-185.251 χ^2/NDF: 20.7/28

All: -20.854+/-129.915 χ^2/NDF: 52.0/59

- 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: 777.862+/-0.171 χ^2/NDF:1199.4/12

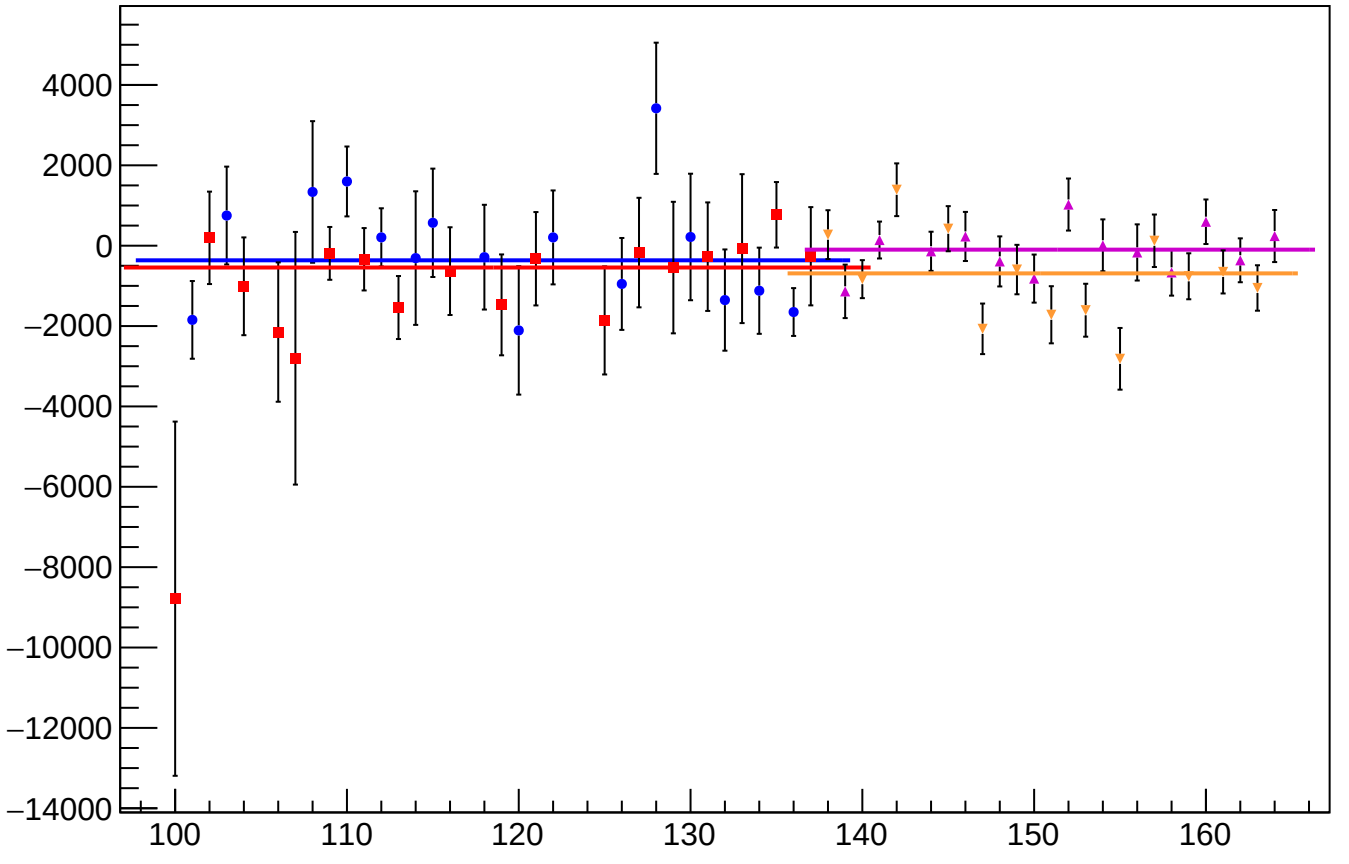
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 778.105+/-0.131 χ^2/NDF: 12999.5/28

All: 779.239+/-0.092 χ^2/NDF: 23119.0/59

- 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: -689.165+/-167.081 χ^2/NDF:35.1/12

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

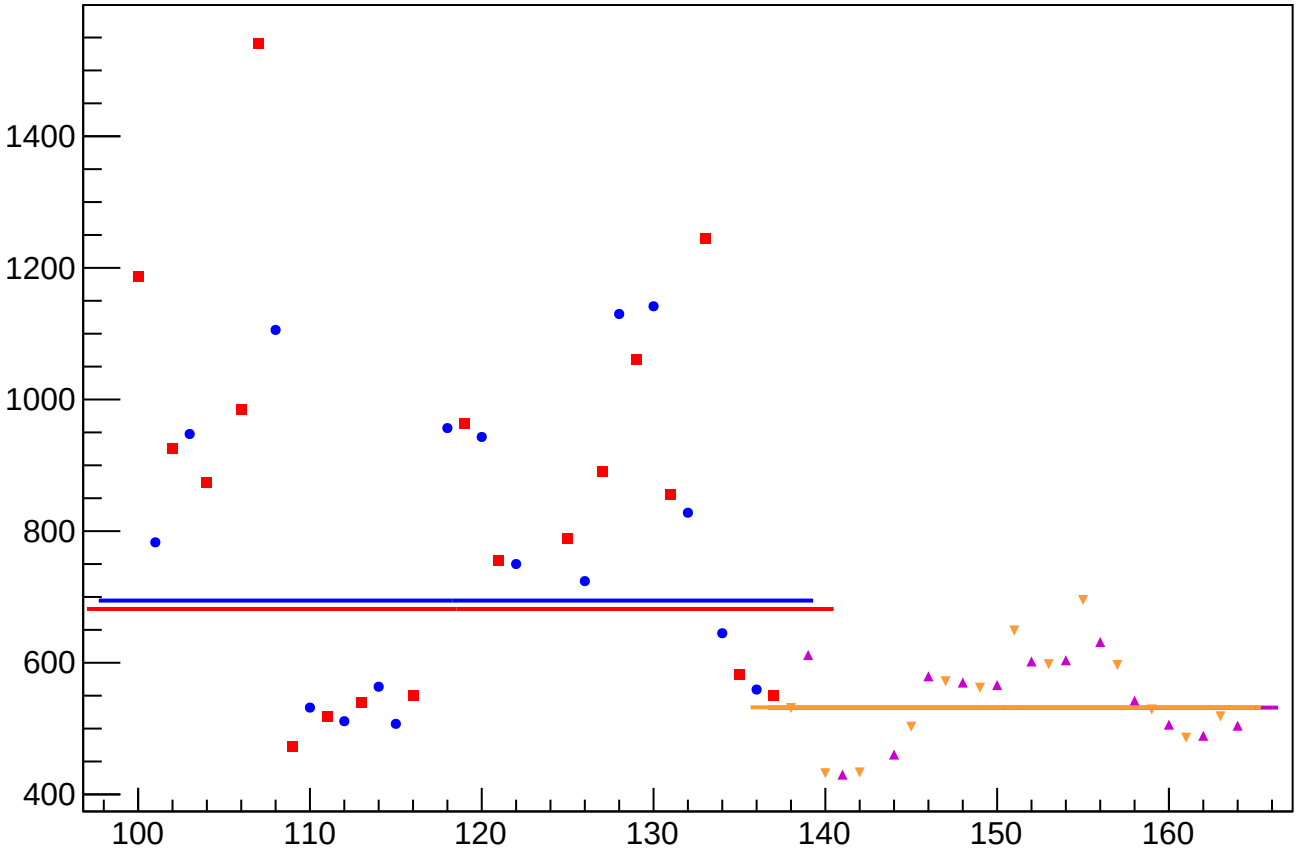
Left In: -98.493+/-162.052 χ^2/NDF:10.8/12

+ sign -598.787+/-141.978 χ^2/NDF: 59.5/28

All: -404.031+/-99.064 χ^2/NDF: 87.7/59

- 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: 532.296+/-0.118 χ^2/NDF:352716.3/12

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

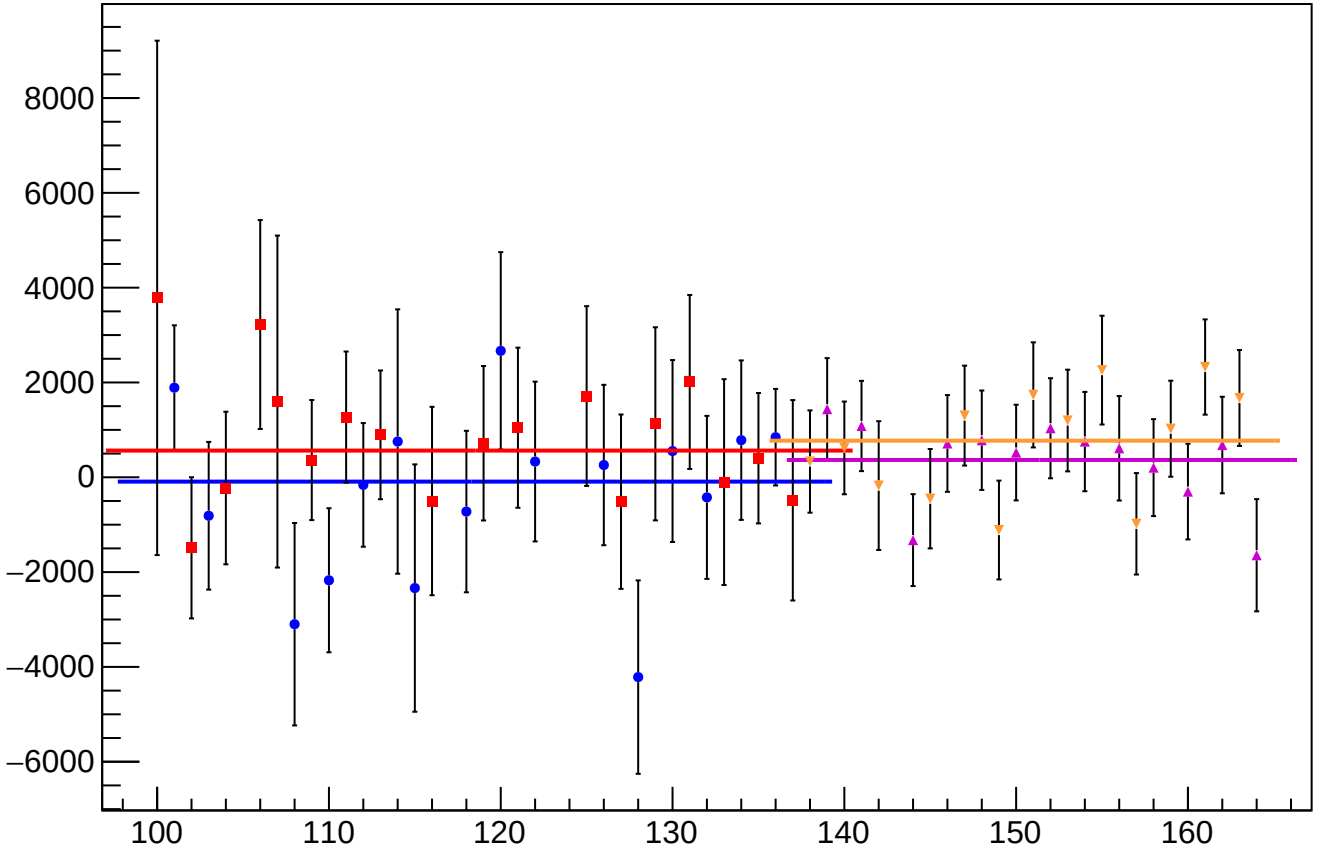
Left In: 531.900+/-0.115 χ^2/NDF:305812.5/12

\+ sign 577.381+/-0.100 χ^2/NDF: 1906597.7/28

All: 574.939+/-0.070 χ^2/NDF: 3989611.7/59

\- 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: 771.974+/-295.701 χ^2/NDF:14.1/12

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

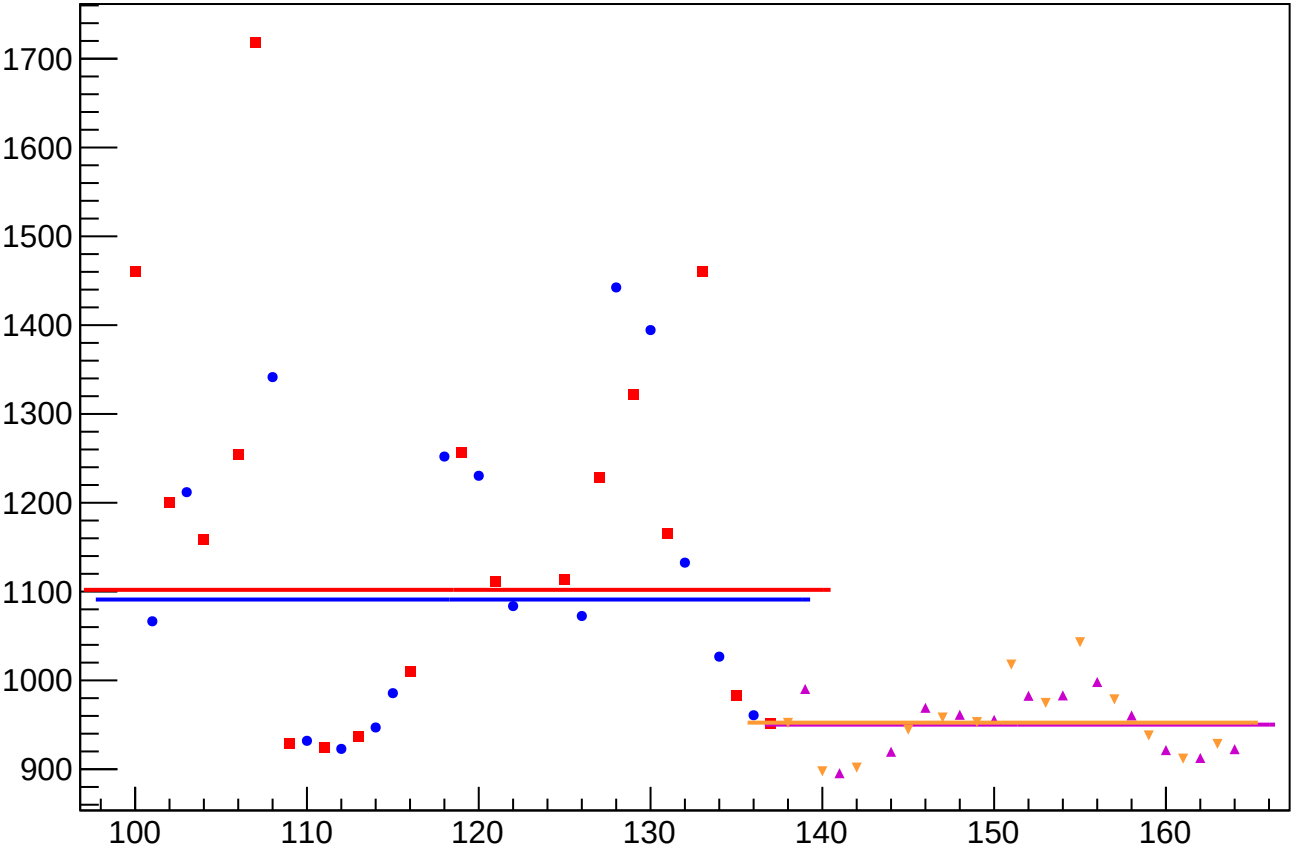
Left In: 365.405+/-287.103 χ^2/NDF:8.9/12

+ sign 476.541+/-239.824 χ^2/NDF: 31.5/28

All: 452.936+/-168.021 χ^2/NDF: 47.2/59

- 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: 952.422+/-0.209 χ^2/NDF:35483.2/12

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

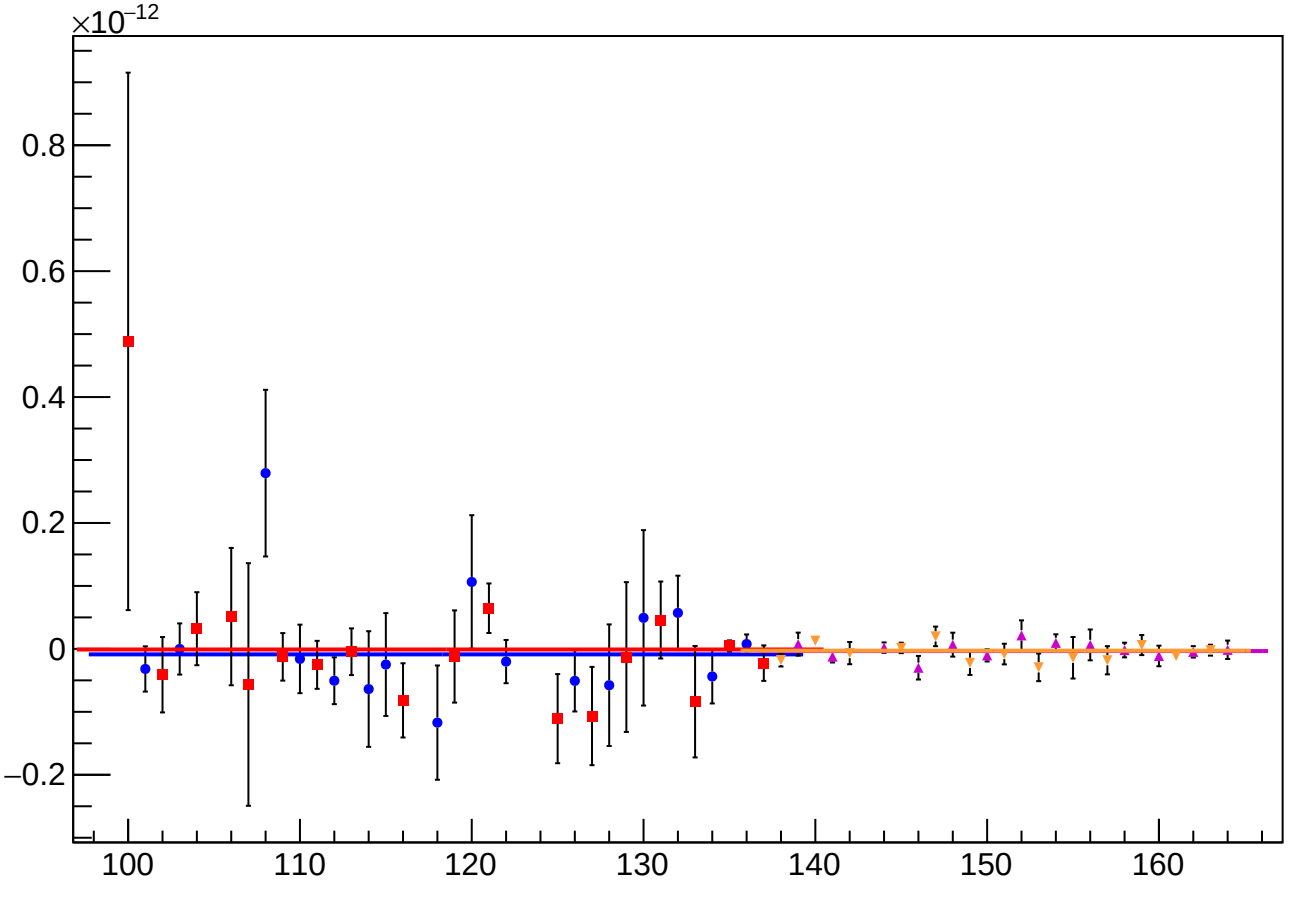
Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

+ sign 999.861+/-0.170 χ^2/NDF: 463198.0/28

All: 999.864+/-0.119 χ^2/NDF: 999865.9/59

- 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:13.4/12

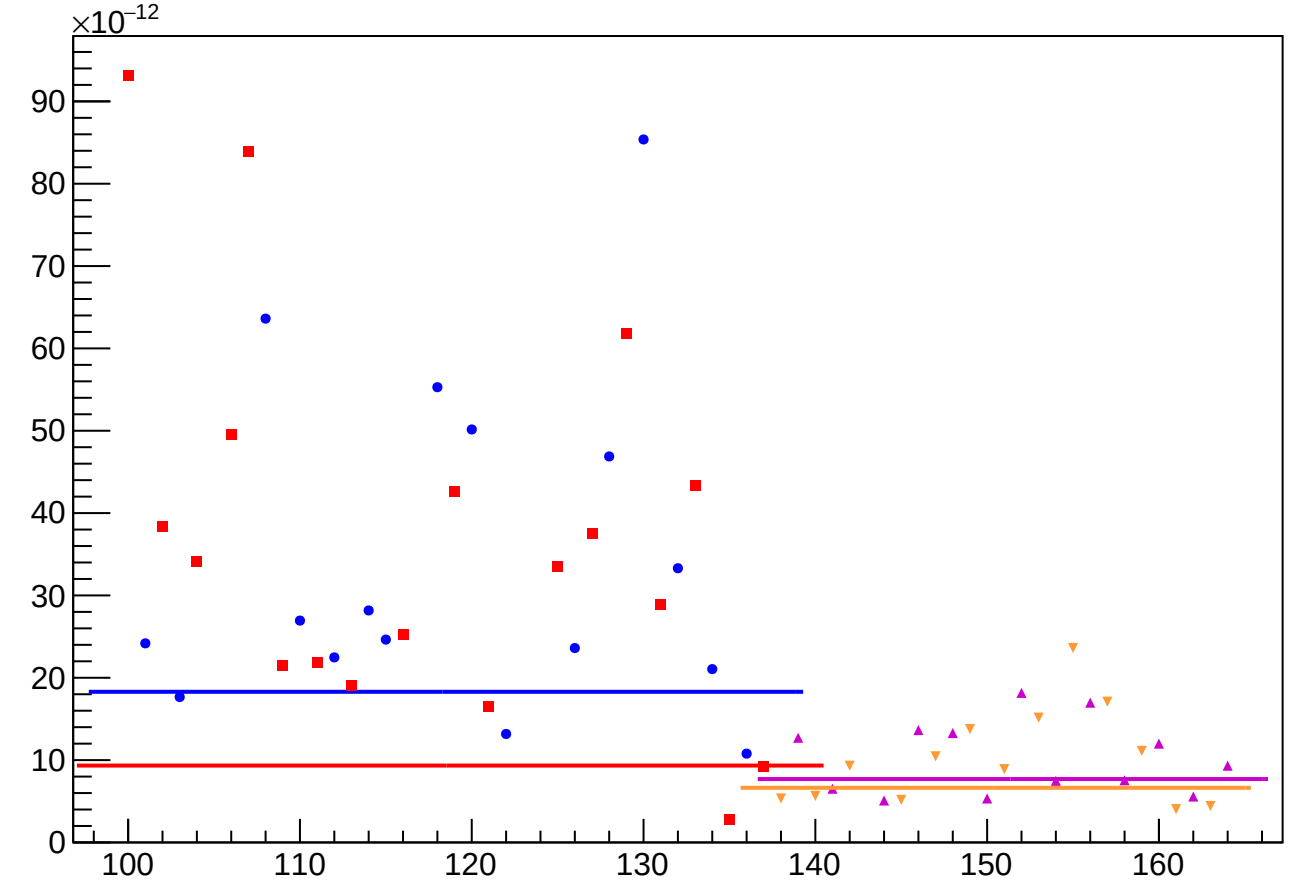
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/28

All: -0.000+/-0.000 χ^2/NDF: 48.9/59

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:2396885.3/12

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

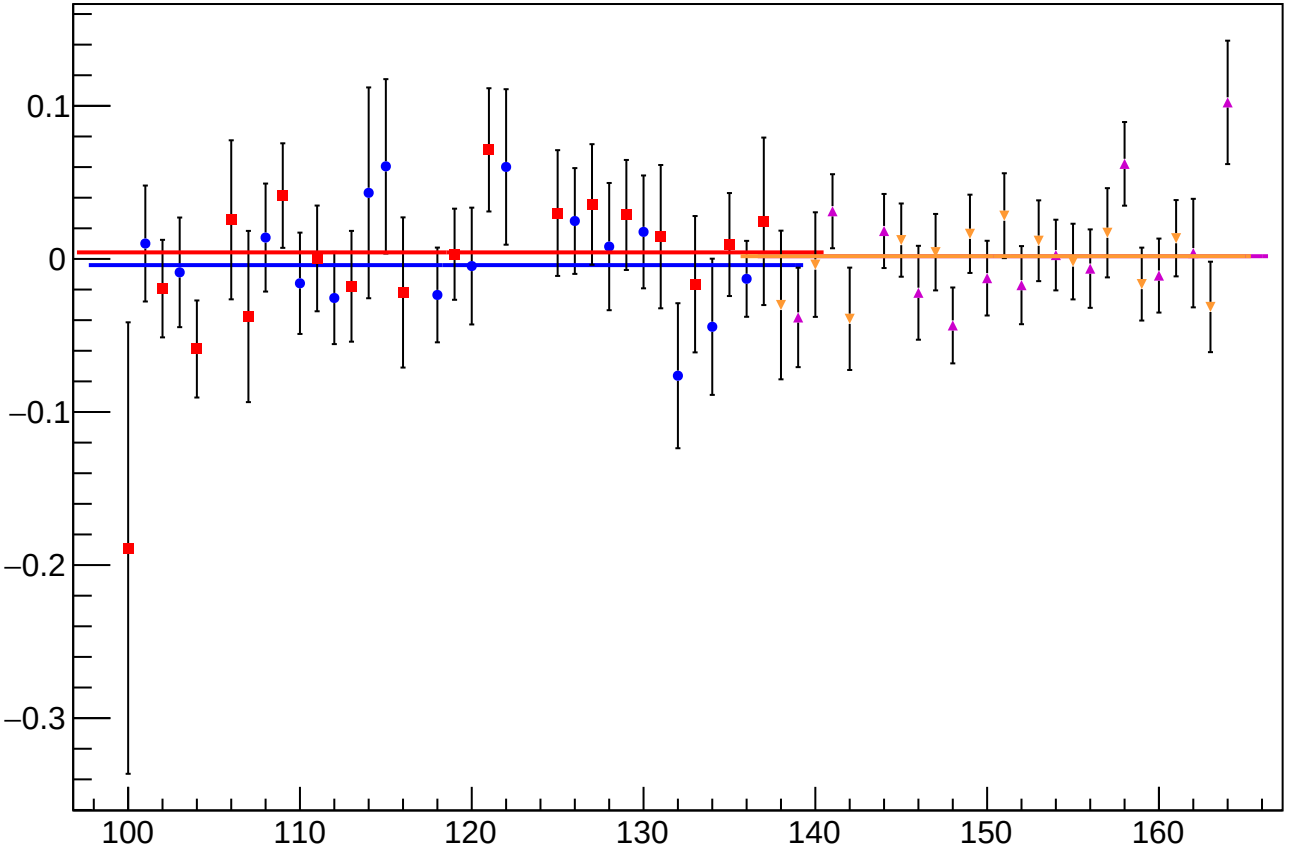
Left In: 0.000+/-0.000 χ^2/NDF:1819520.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 6995153.5/28

All: 0.000+/-0.000 χ^2/NDF: 14046121.6/59

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

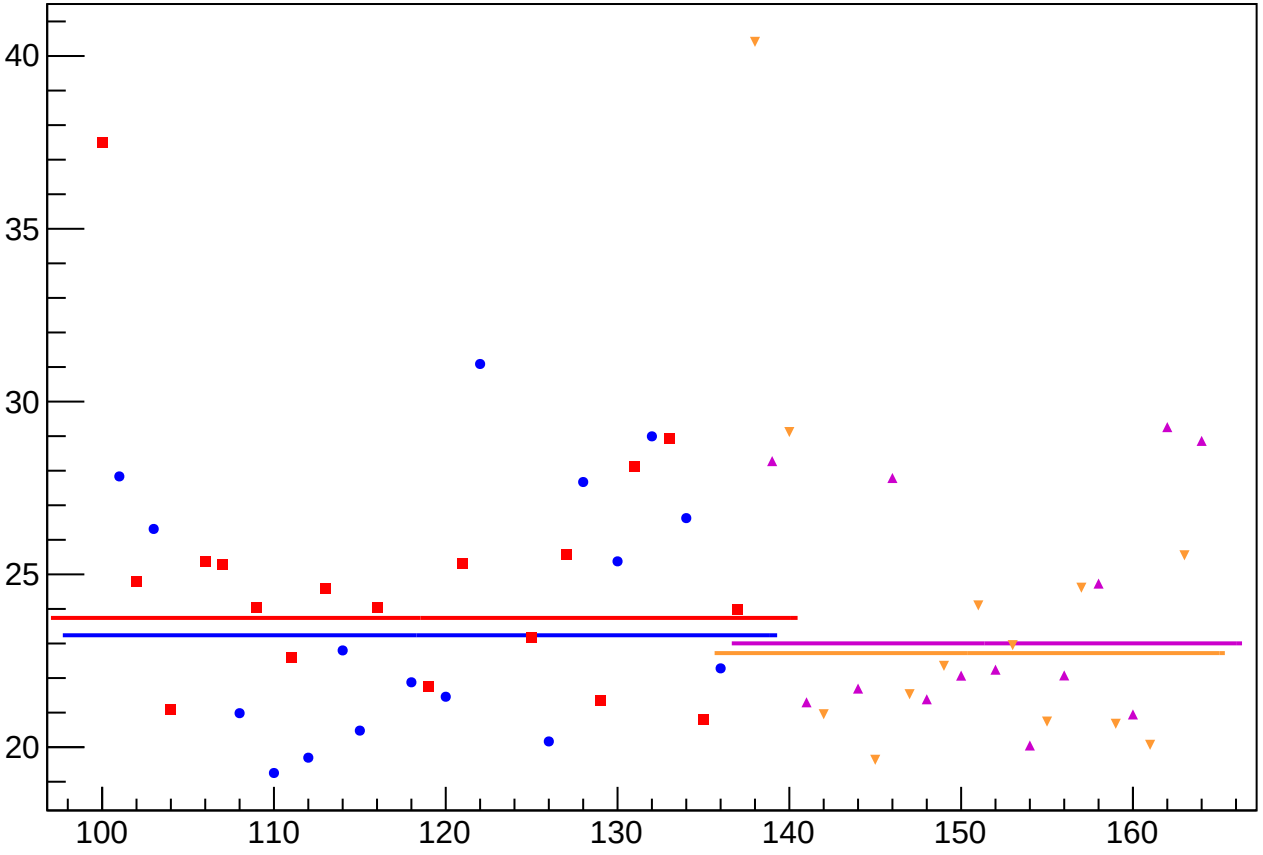
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.001+/-0.004 χ^2/NDF: 48.8/59

- 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: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

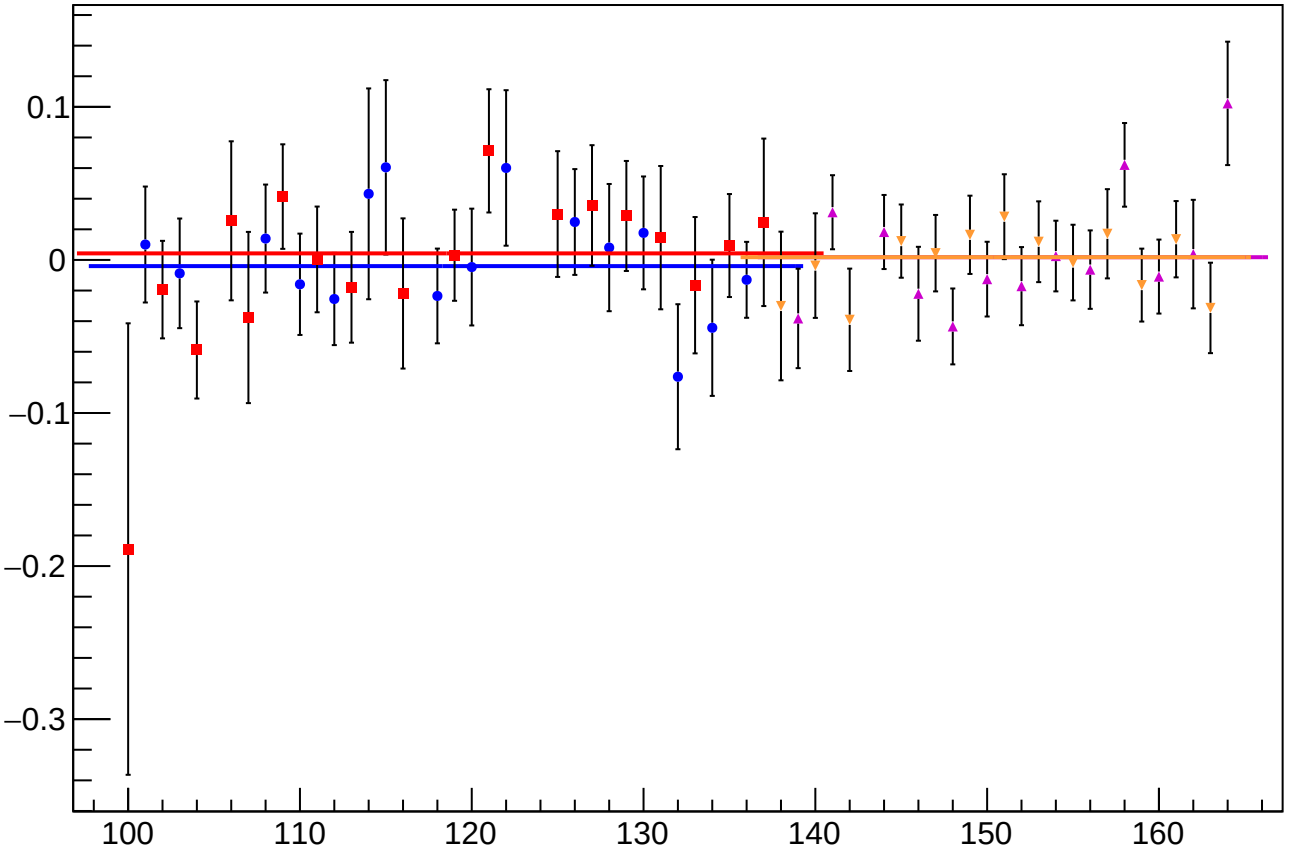
Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

+ sign 22.931+/-0.004 χ^2/NDF: 724382.0/28

All: 23.113+/-0.003 χ^2/NDF: 1154838.2/59

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

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

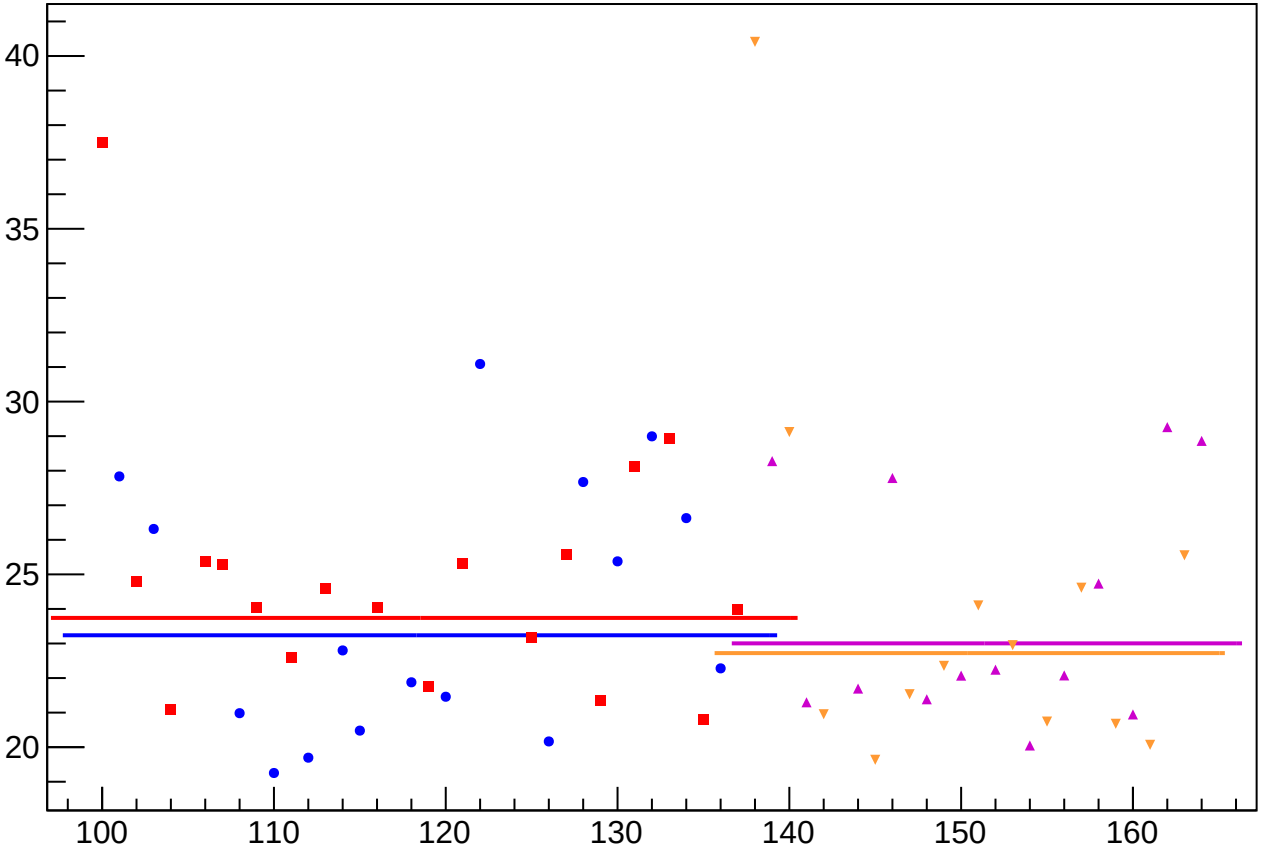
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.001+/-0.004 χ^2/NDF: 48.8/59

- 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: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

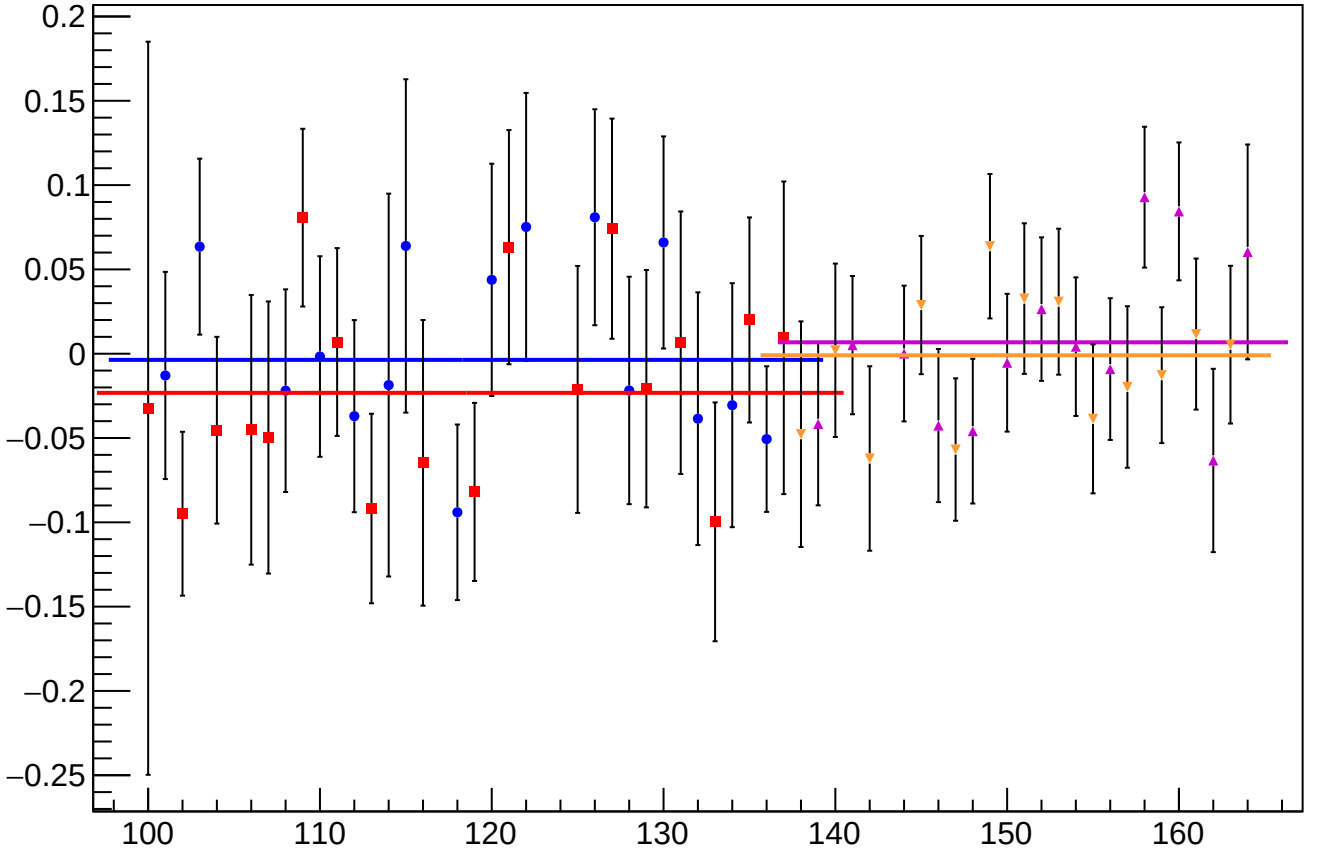
Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

+ sign 22.931+/-0.004 χ^2/NDF: 724382.0/28

All: 23.113+/-0.003 χ^2/NDF: 1154838.2/59

- 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: -0.001+/-0.013 χ^2/NDF:8.5/12

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

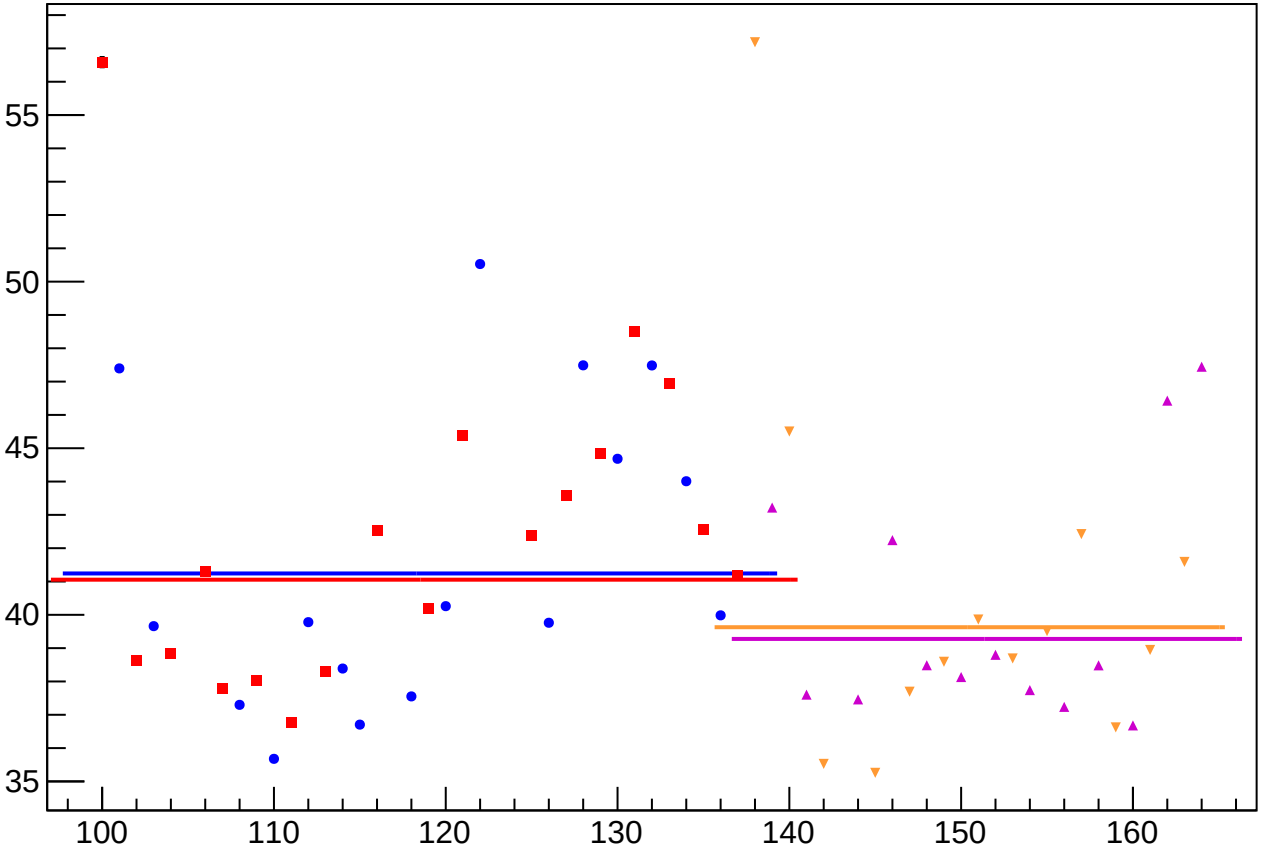
Left In: 0.007+/-0.012 χ^2/NDF:14.4/12

+ sign -0.002+/-0.010 χ^2/NDF: 20.2/28

All: -0.003+/-0.007 χ^2/NDF: 52.3/59

- 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: 39.628+/-0.009 χ^2/NDF:226099.3/12

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

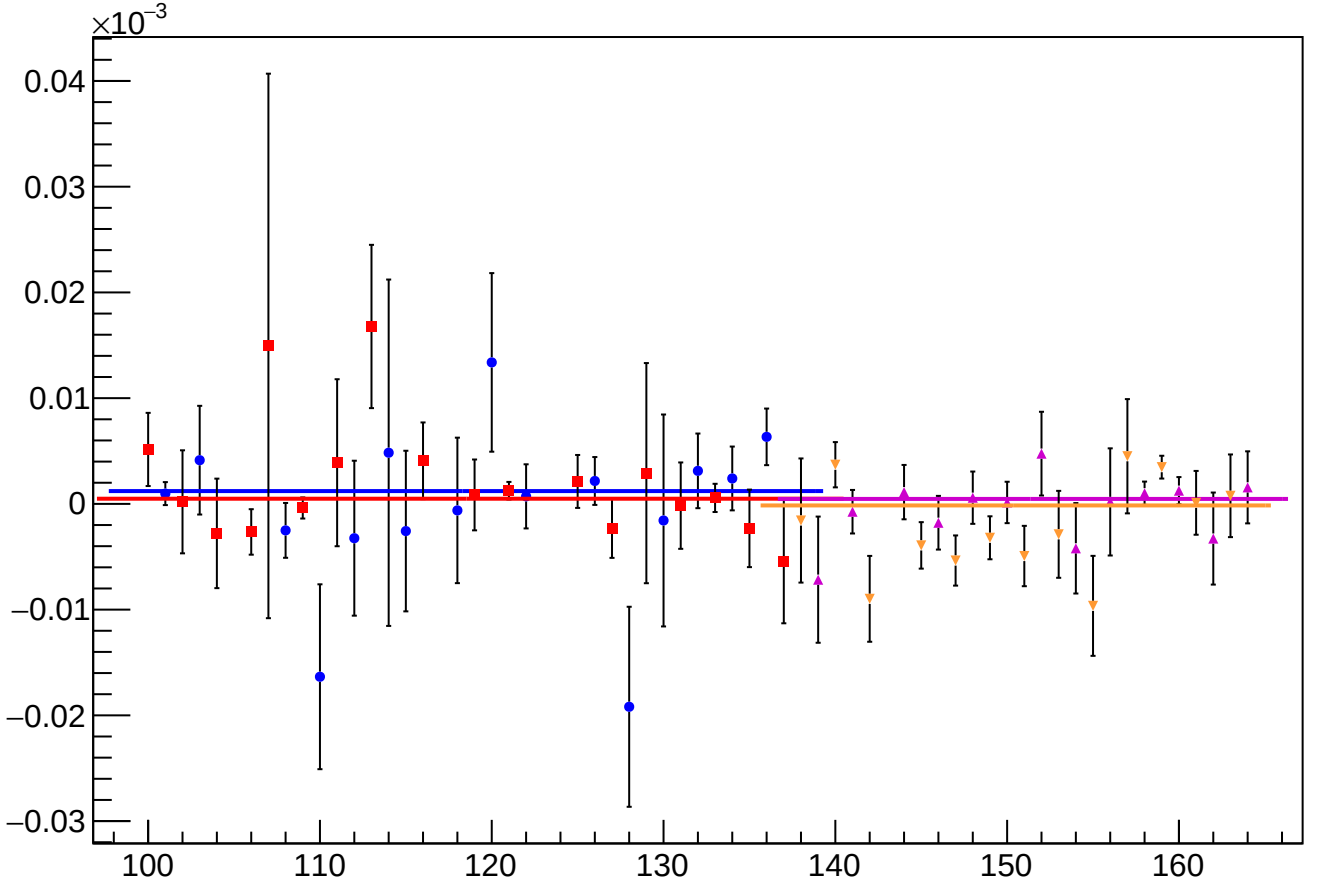
Left In: 39.276+/-0.009 χ^2/NDF:115513.5/12

\+ sign 40.265+/-0.007 χ^2/NDF: 374109.1/28

All: 40.105+/-0.005 χ^2/NDF: 603455.8/59

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

asym_us_dd_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:37.4/12

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

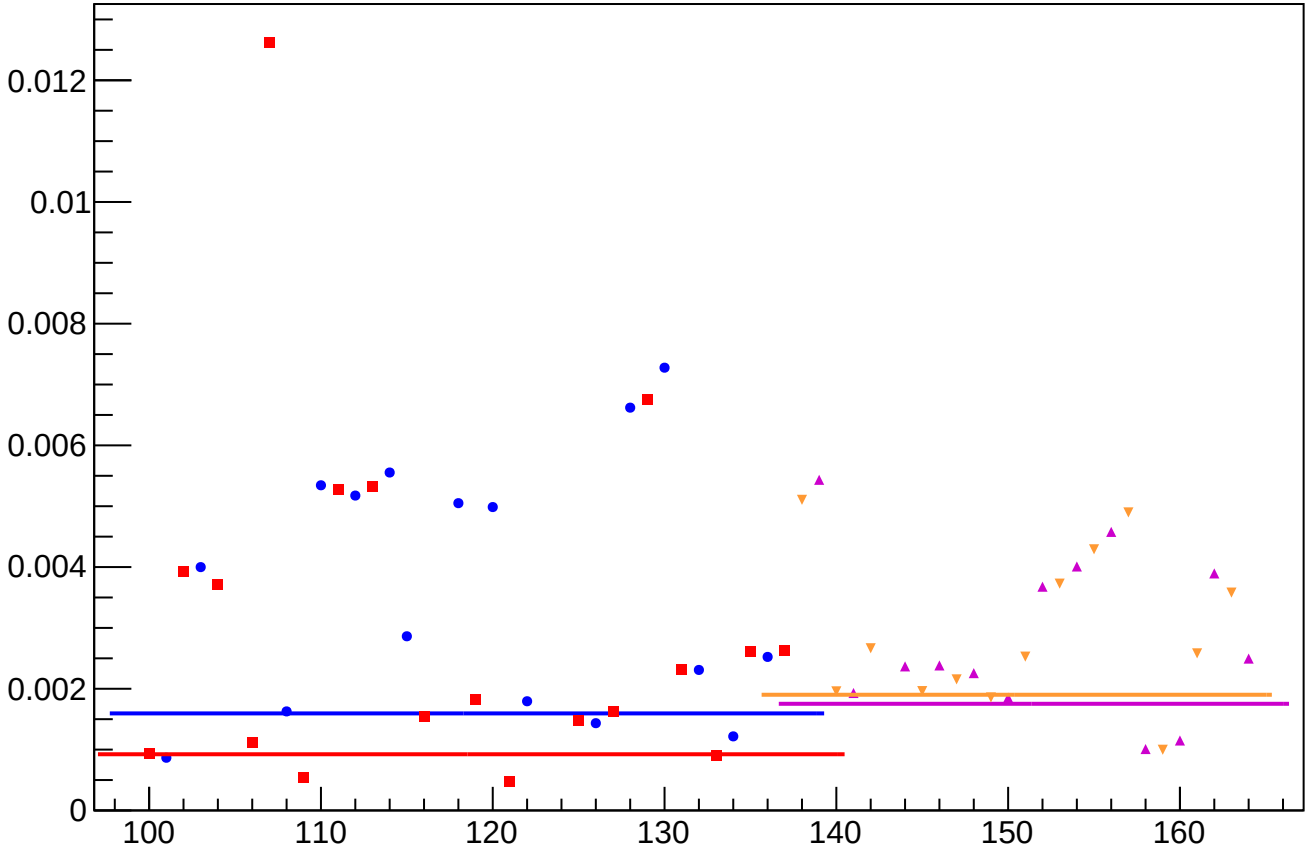
Left In: 0.000+/-0.000 χ^2/NDF:6.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/28

All: 0.000+/-0.000 χ^2/NDF: 79.2/59

- 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:4185148.5/12

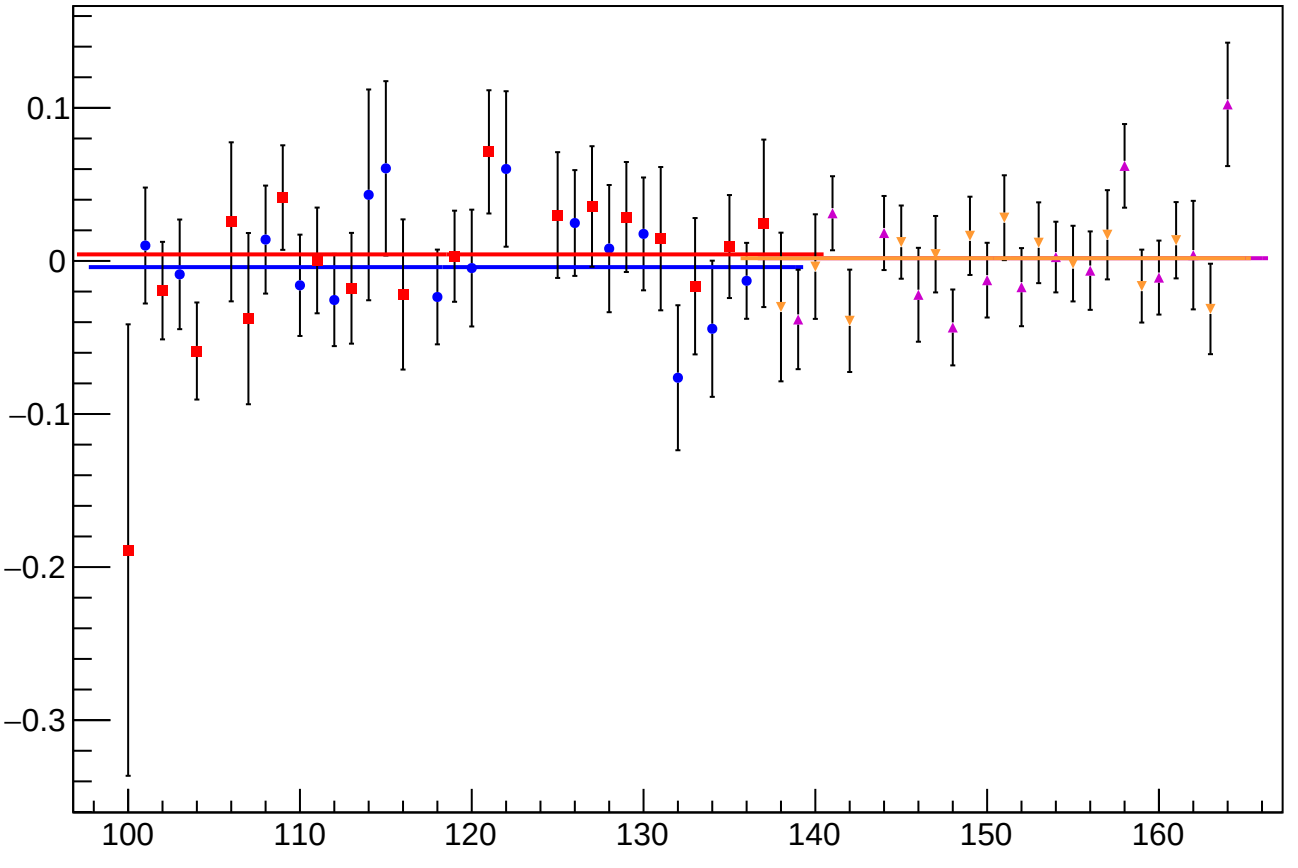
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

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

+ sign 0.002+/-0.000 χ^2/NDF: 9133085.9/28

All: 0.001+/-0.000 χ^2/NDF: 23137363.1/59

- 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+/-0.008 χ^2/NDF:5.9/12

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

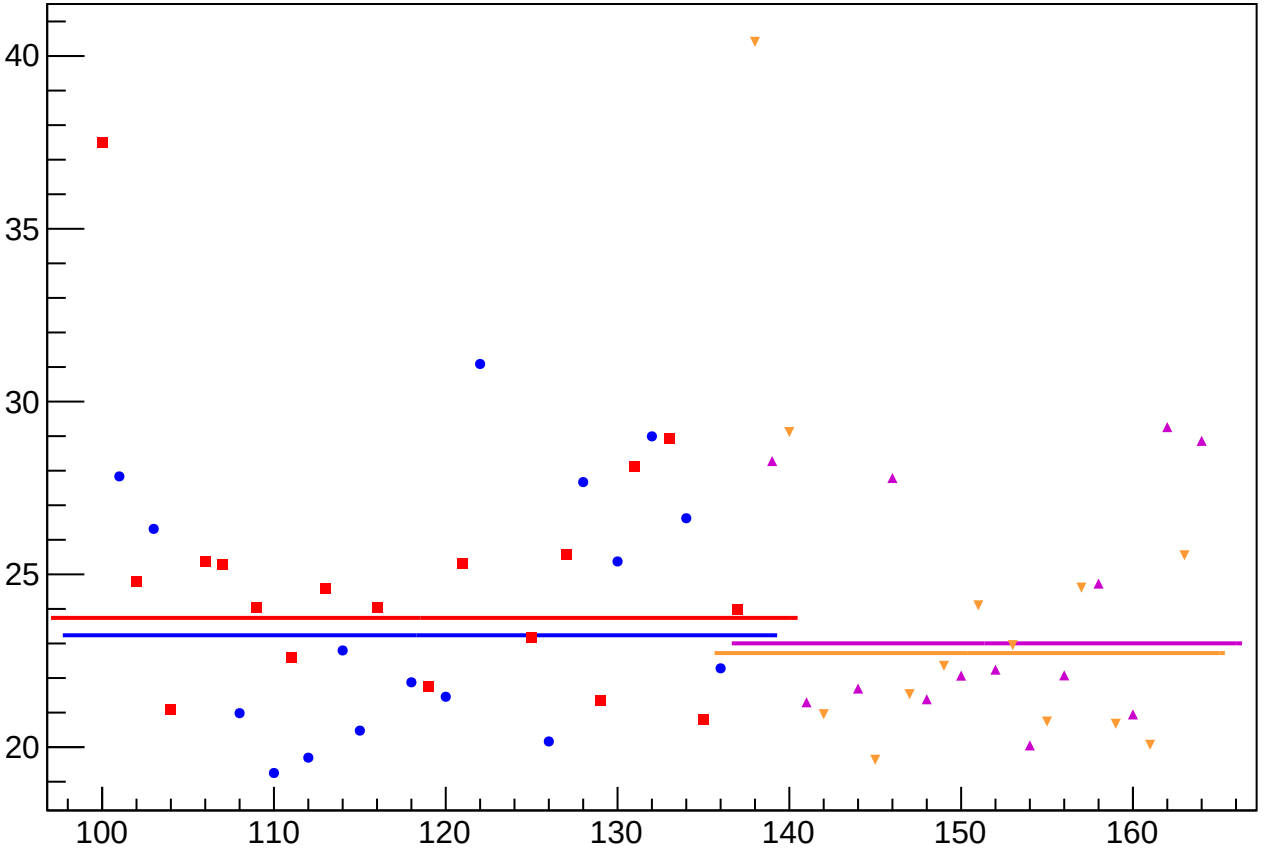
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.001+/-0.004 χ^2/NDF: 48.8/59

- 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: 22.722+/-0.005 χ^2/NDF:461479.2/12

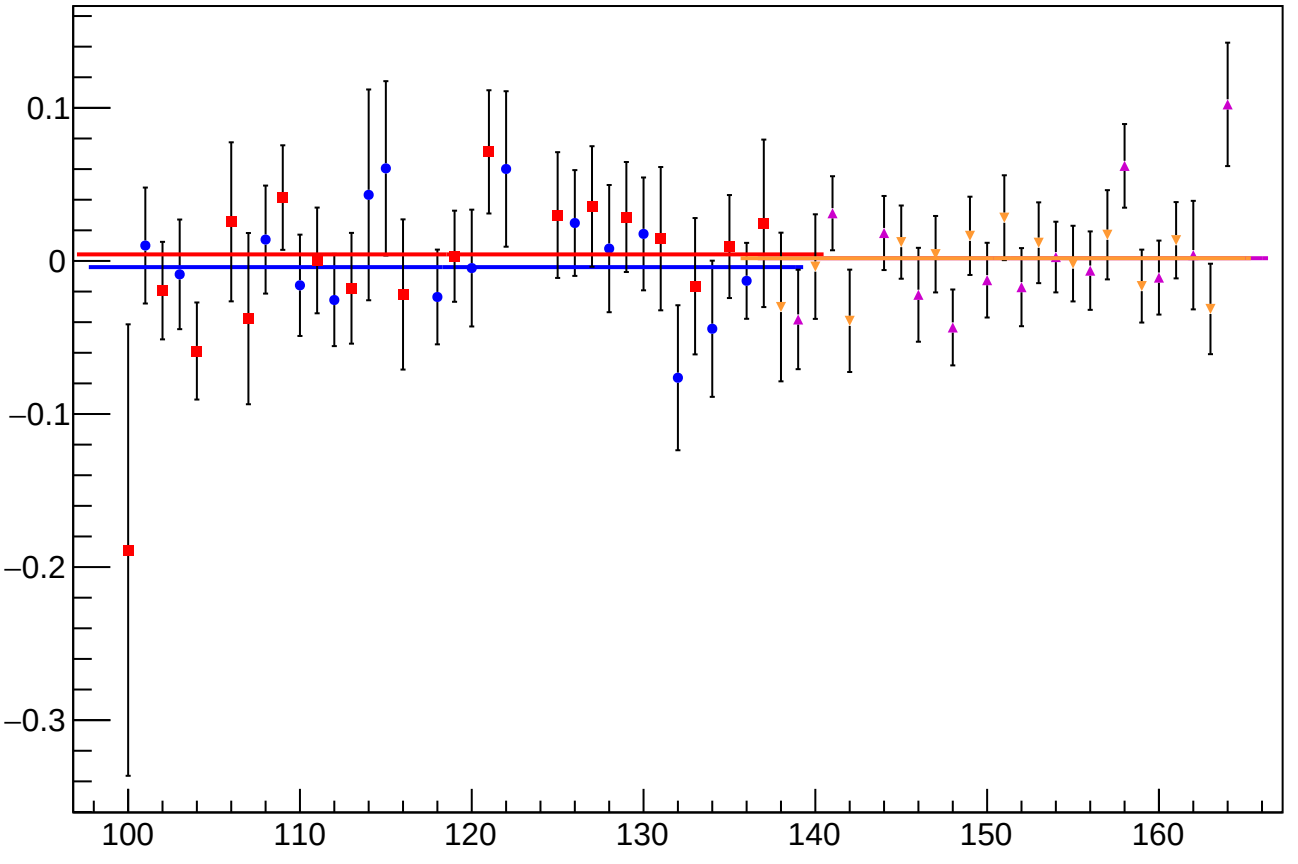
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 22.931+/-0.004 χ^2/NDF: 724386.3/28

All: 23.113+/-0.003 χ^2/NDF: 1154771.1/59

- 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+/-0.008 χ^2/NDF:5.9/12

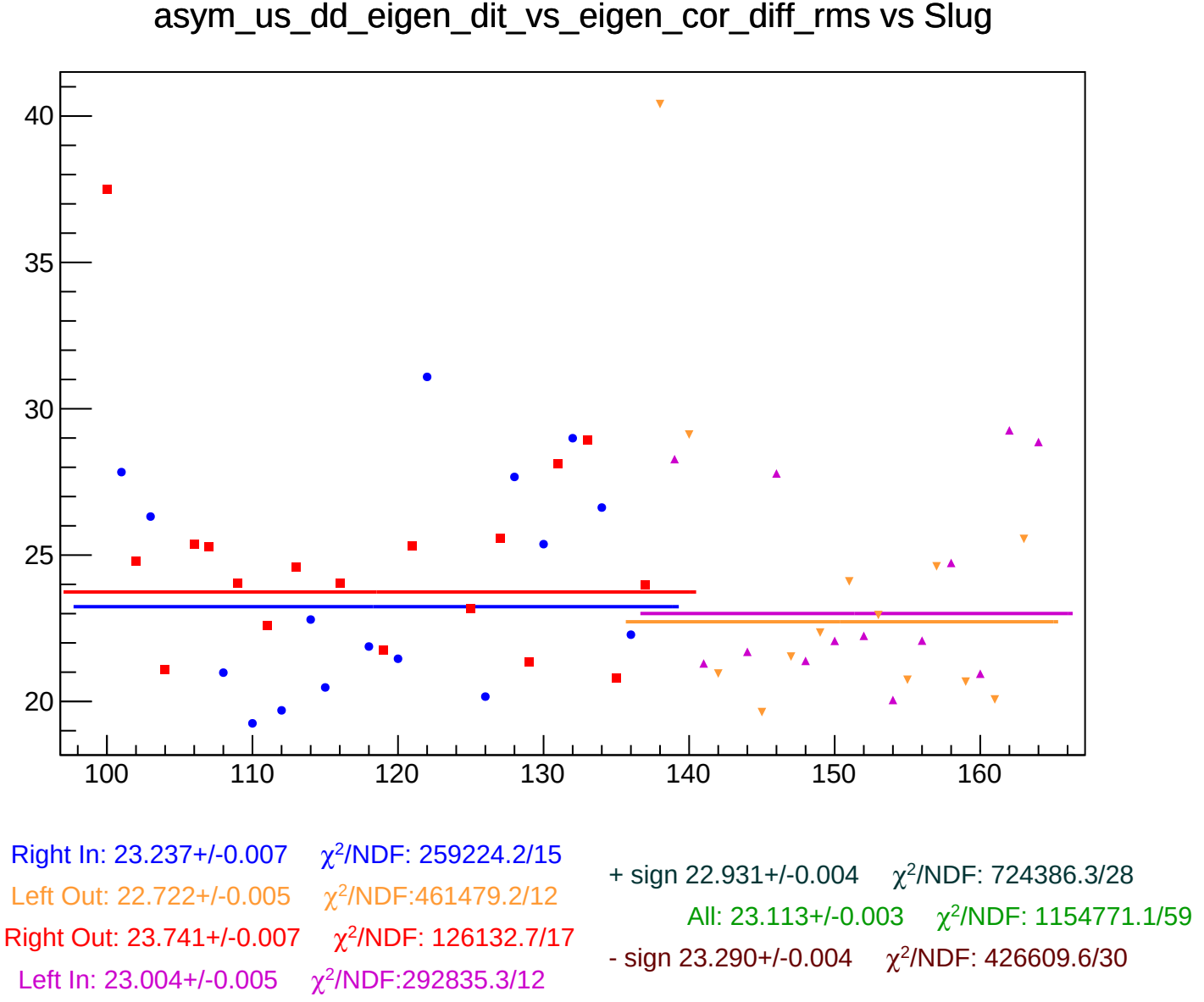
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

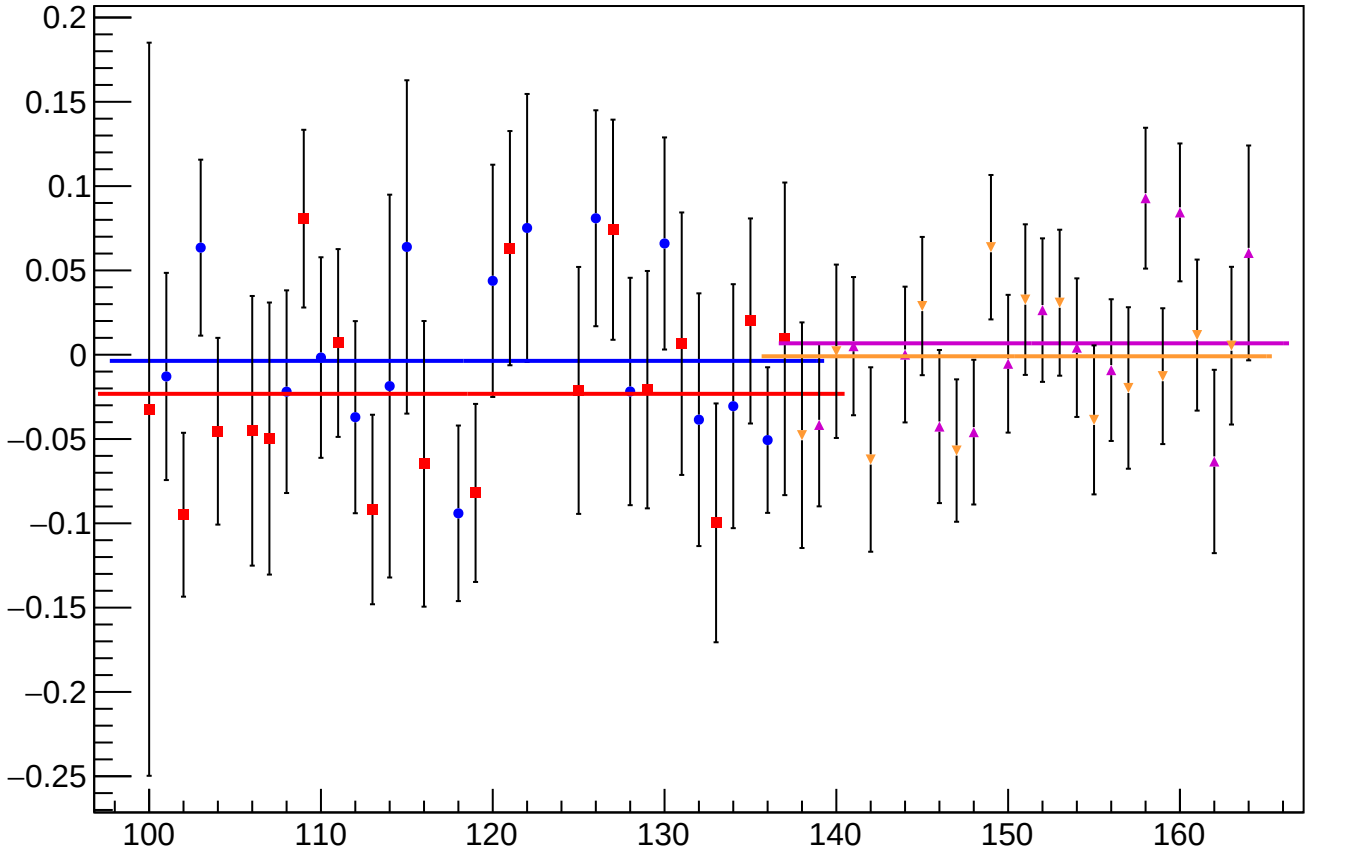
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.001+/-0.004 χ^2/NDF: 48.8/59

- sign 0.003+/-0.006 χ^2/NDF: 33.3/30


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 22.722+/-0.005 χ²/NDF:461479.2/12
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.004+/-0.005 χ²/NDF:292835.3/12
+ sign 22.931+/-0.004 χ²/NDF: 724386.3/28
All: 23.113+/-0.003 χ²/NDF: 1154771.1/59
- sign 23.290+/-0.004 χ²/NDF: 426609.6/30



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

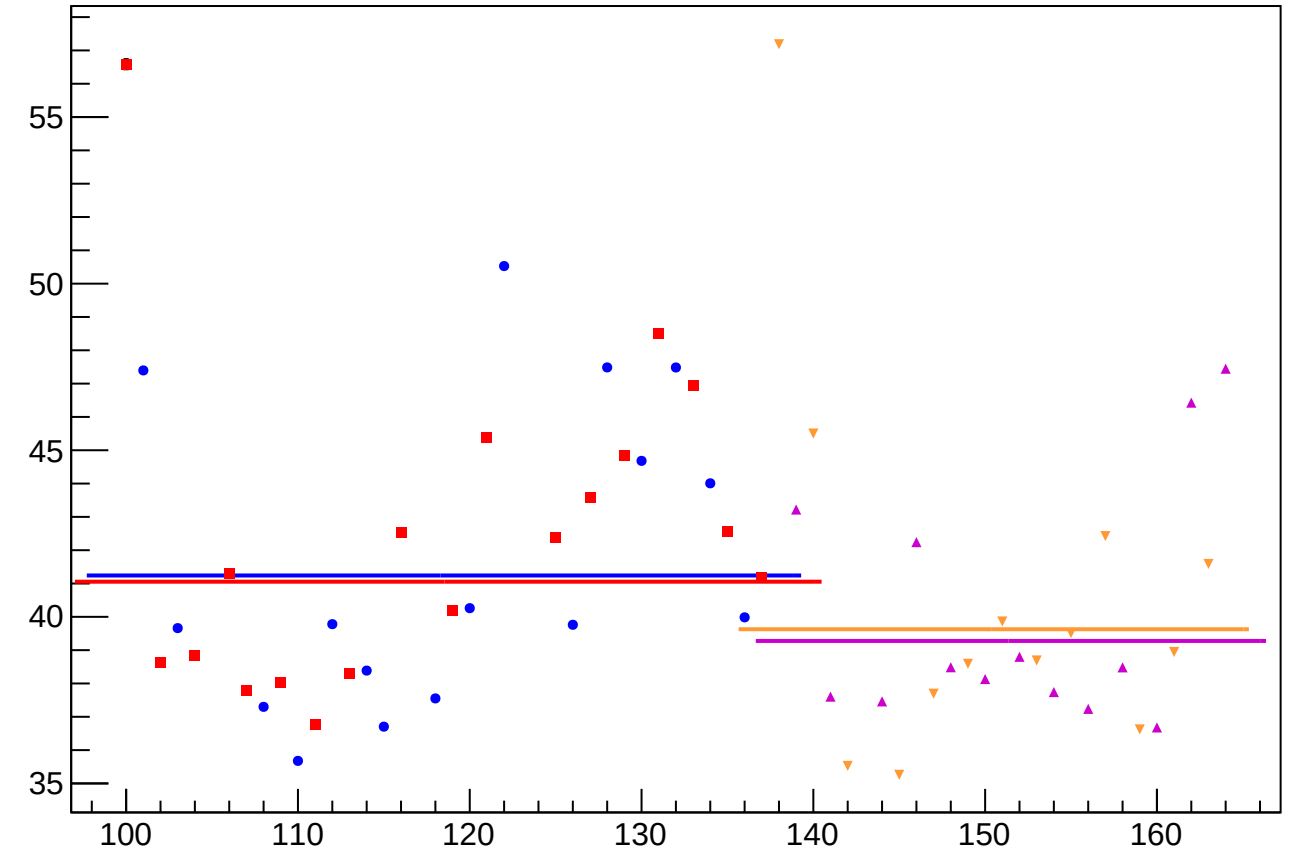
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

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

+ sign -0.002+/-0.010 χ^2/NDF: 20.2/28

All: -0.003+/-0.007 χ^2/NDF: 52.3/59

- 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: 39.628+/-0.009 χ^2/NDF:226104.0/12

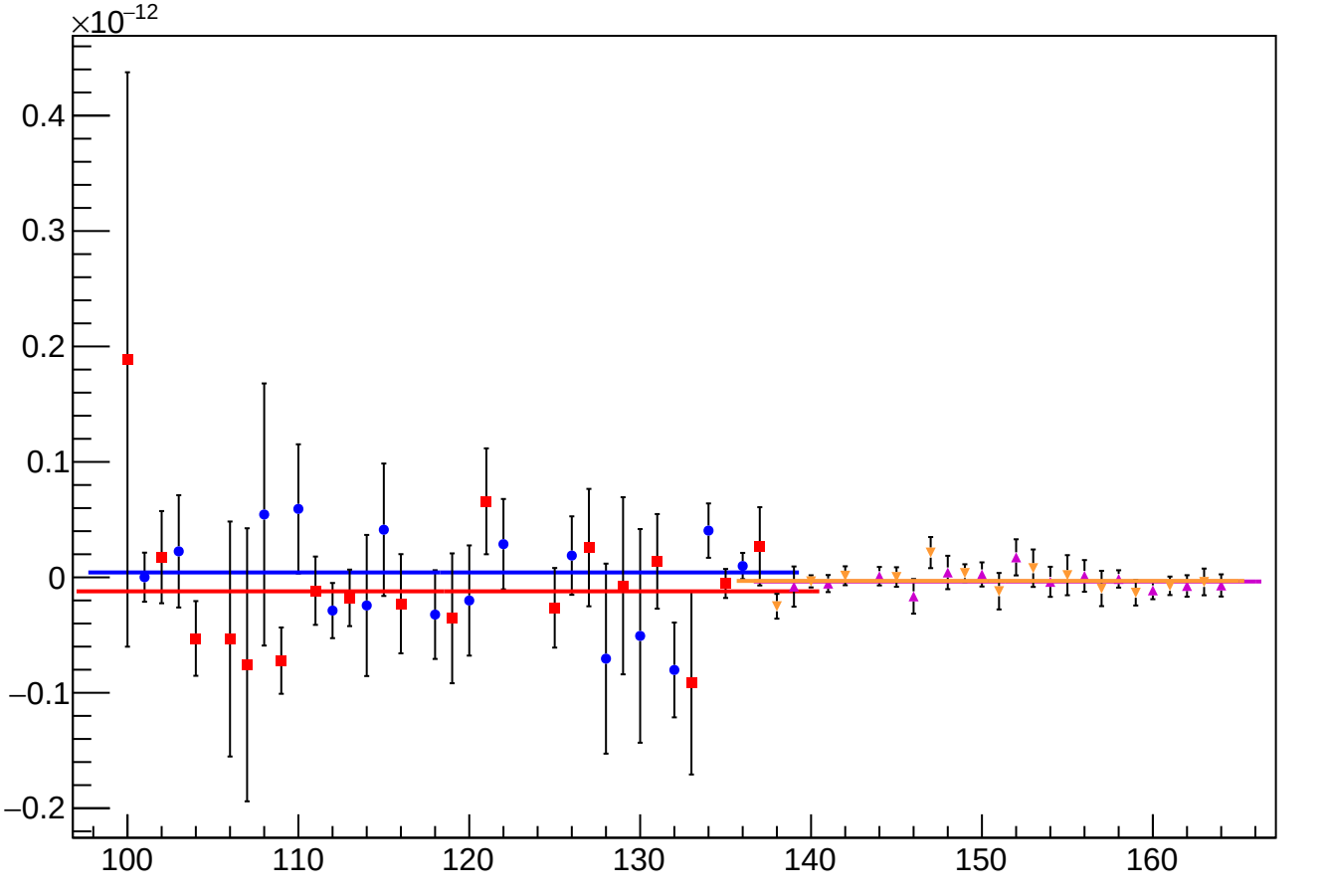
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

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

\+ sign 40.265+/-0.007 χ^2/NDF: 374086.7/28

All: 40.105+/-0.005 χ^2/NDF: 603426.1/59

\- 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:11.0/12

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

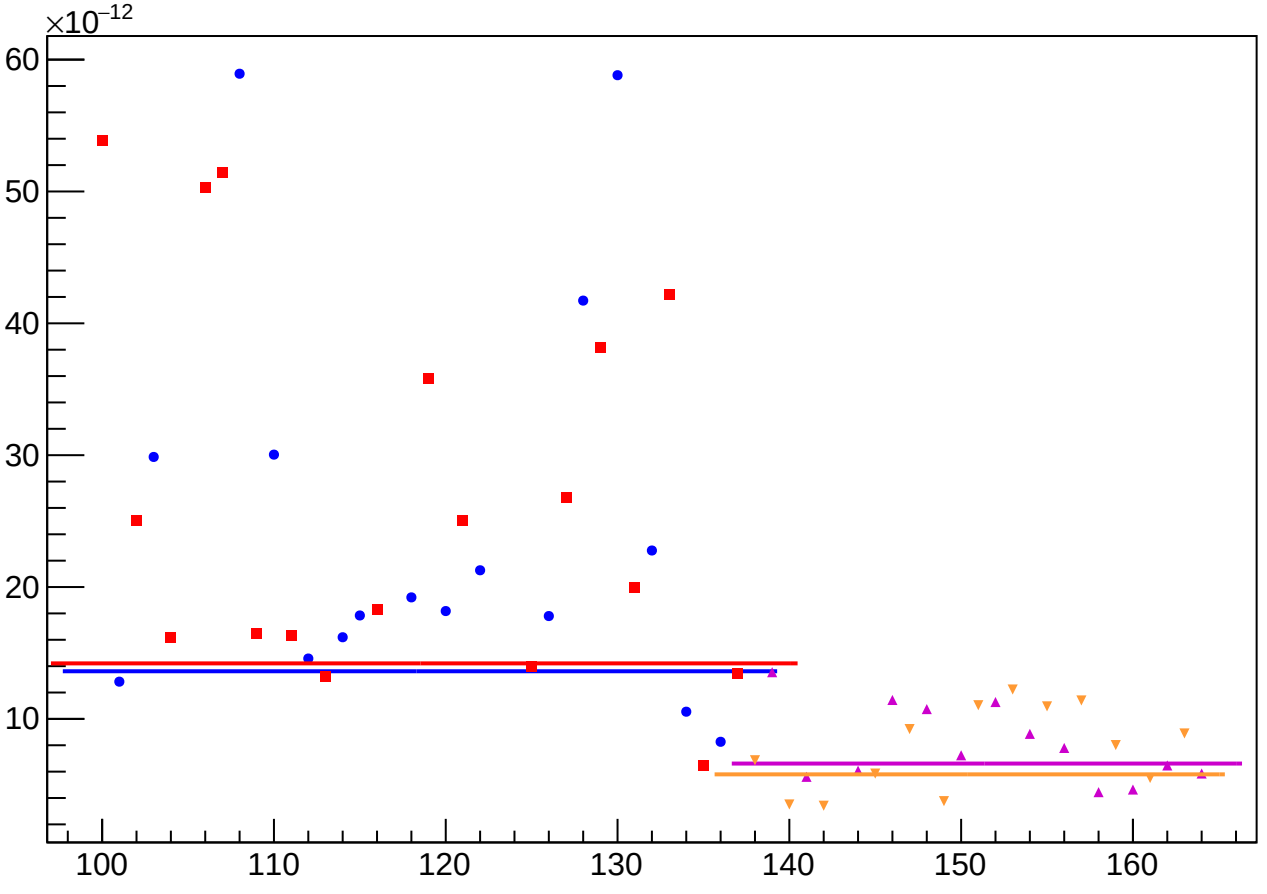
Left In: -0.000+/-0.000 χ^2/NDF:5.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/28

All: -0.000+/-0.000 χ^2/NDF: 46.6/59

- 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:2043431.0/12

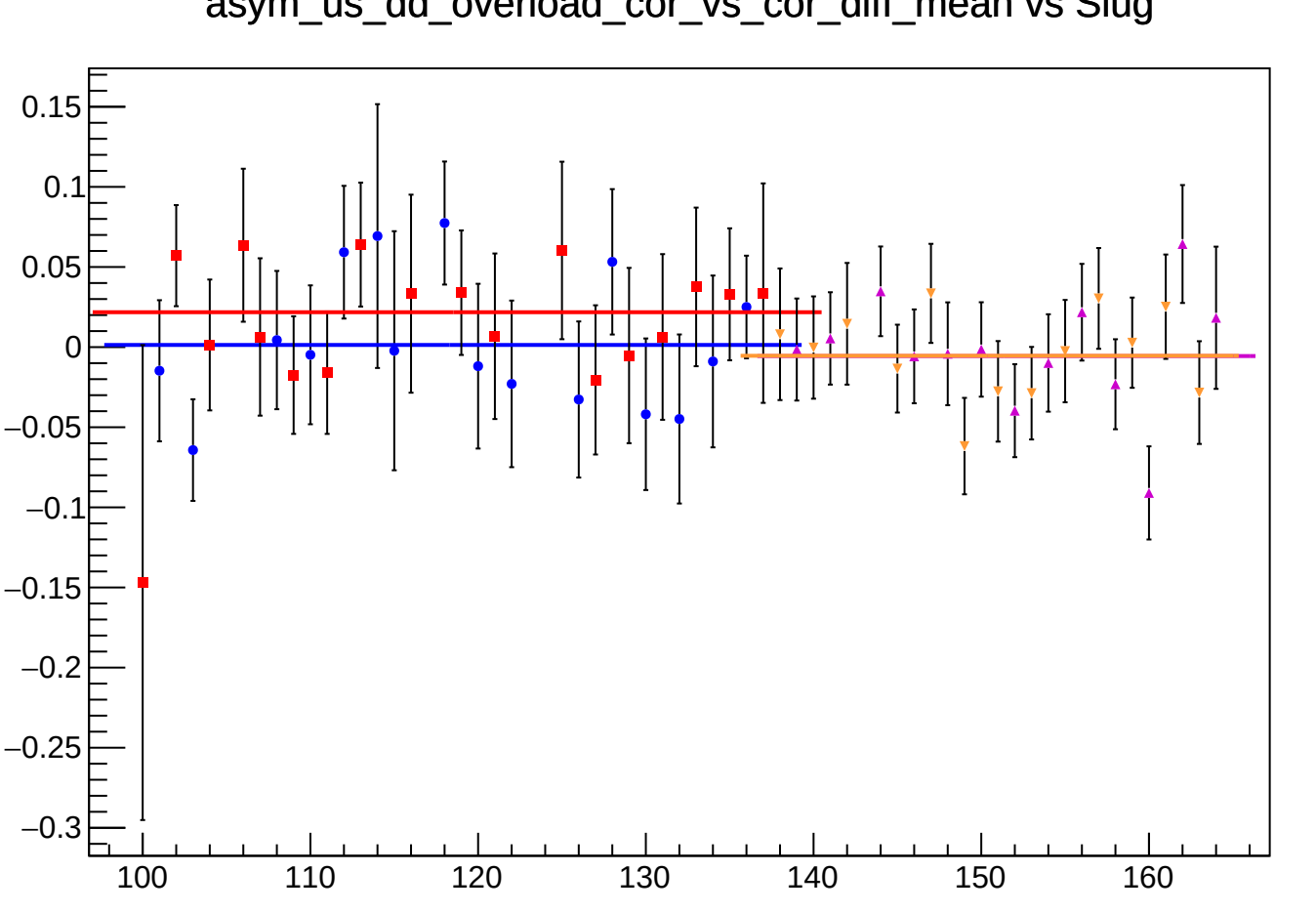
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 6222887.3/28

All: 0.000+/-0.000 χ^2/NDF: 11780211.4/59

- 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: -0.005+/-0.009 χ^2/NDF:9.5/12

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

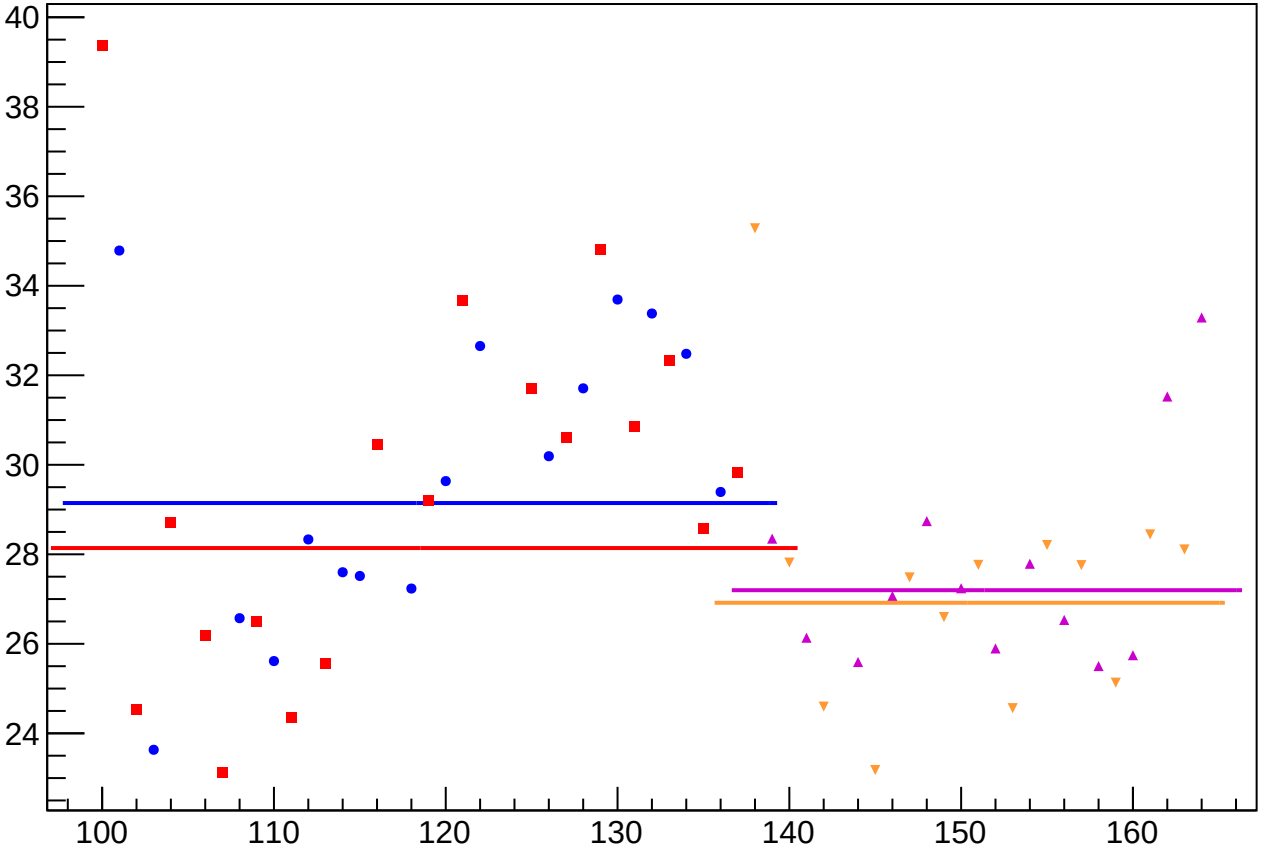
Left In: -0.006+/-0.009 χ^2/NDF:17.4/12

+ sign -0.003+/-0.007 χ^2/NDF: 25.0/28

All: 0.001+/-0.005 χ^2/NDF: 56.1/59

- sign 0.005+/-0.007 χ^2/NDF: 30.4/30

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

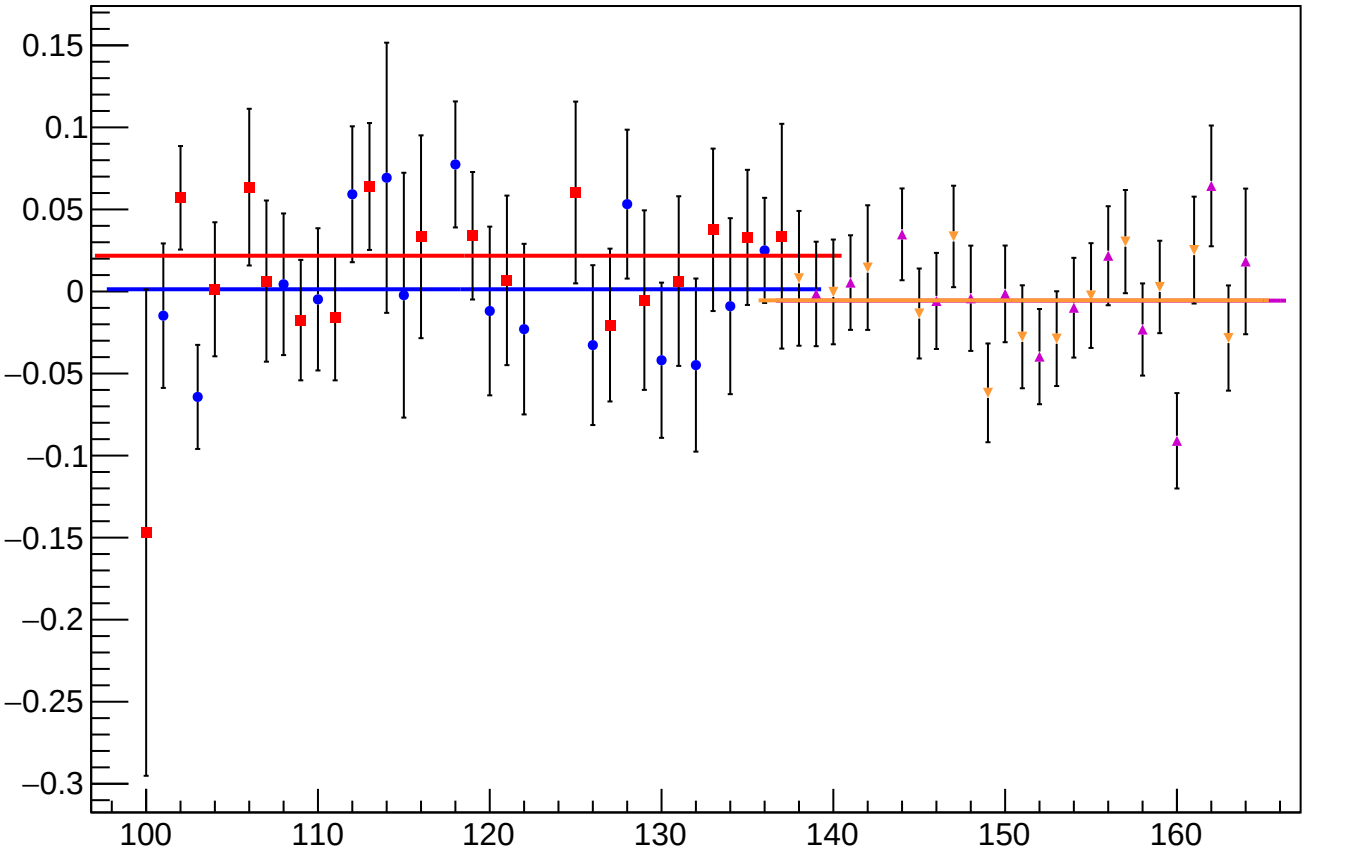
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

+ sign 27.758+/-0.005 χ^2/NDF: 390860.6/28

All: 27.656+/-0.003 χ^2/NDF: 688238.1/59

- 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: -0.005+/-0.009 χ^2/NDF:9.5/12

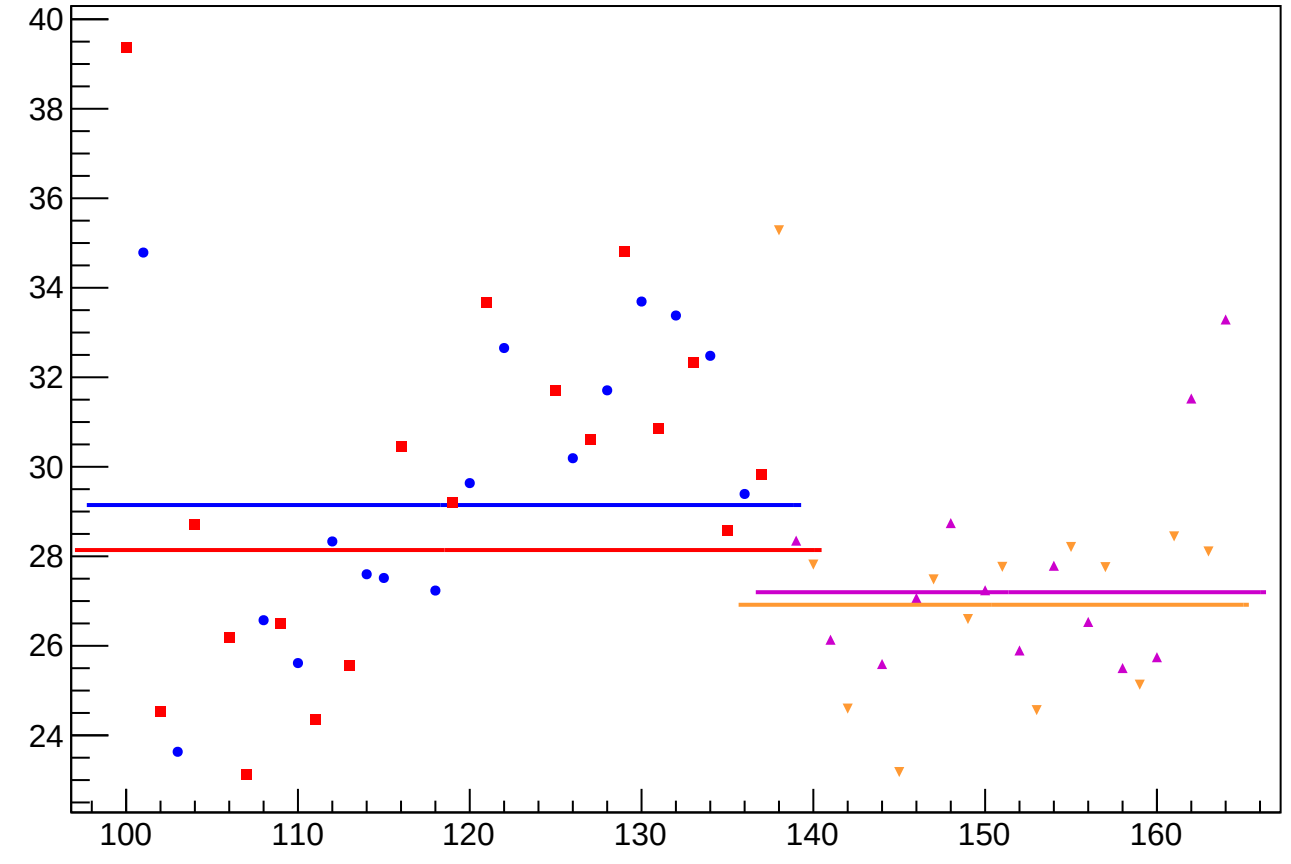
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.003+/-0.007 χ^2/NDF: 25.0/28

All: 0.001+/-0.005 χ^2/NDF: 56.1/59

- 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: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

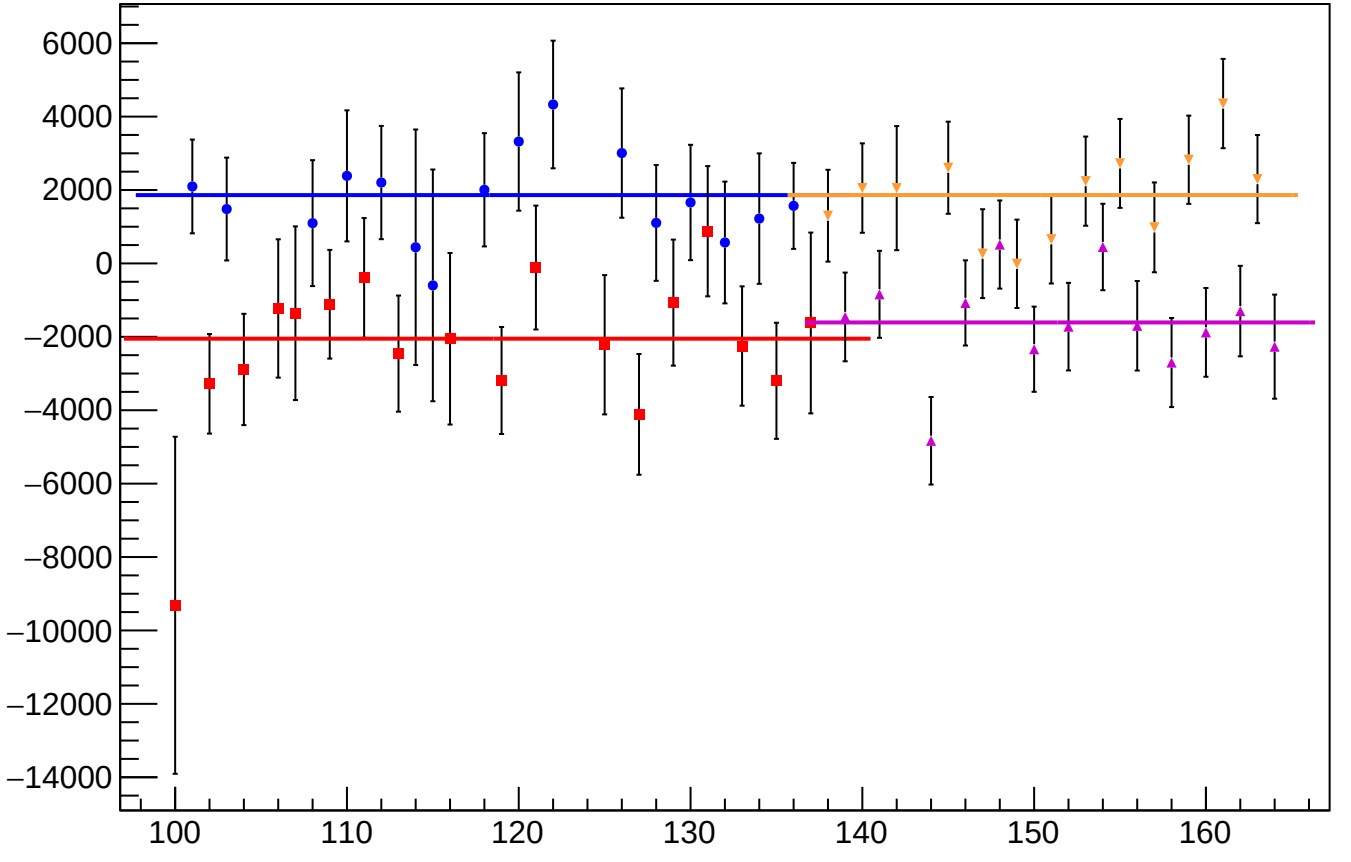
Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

\+ sign 27.758+/-0.005 χ^2/NDF: 390860.6/28

All: 27.656+/-0.003 χ^2/NDF: 688238.1/59

\- 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: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

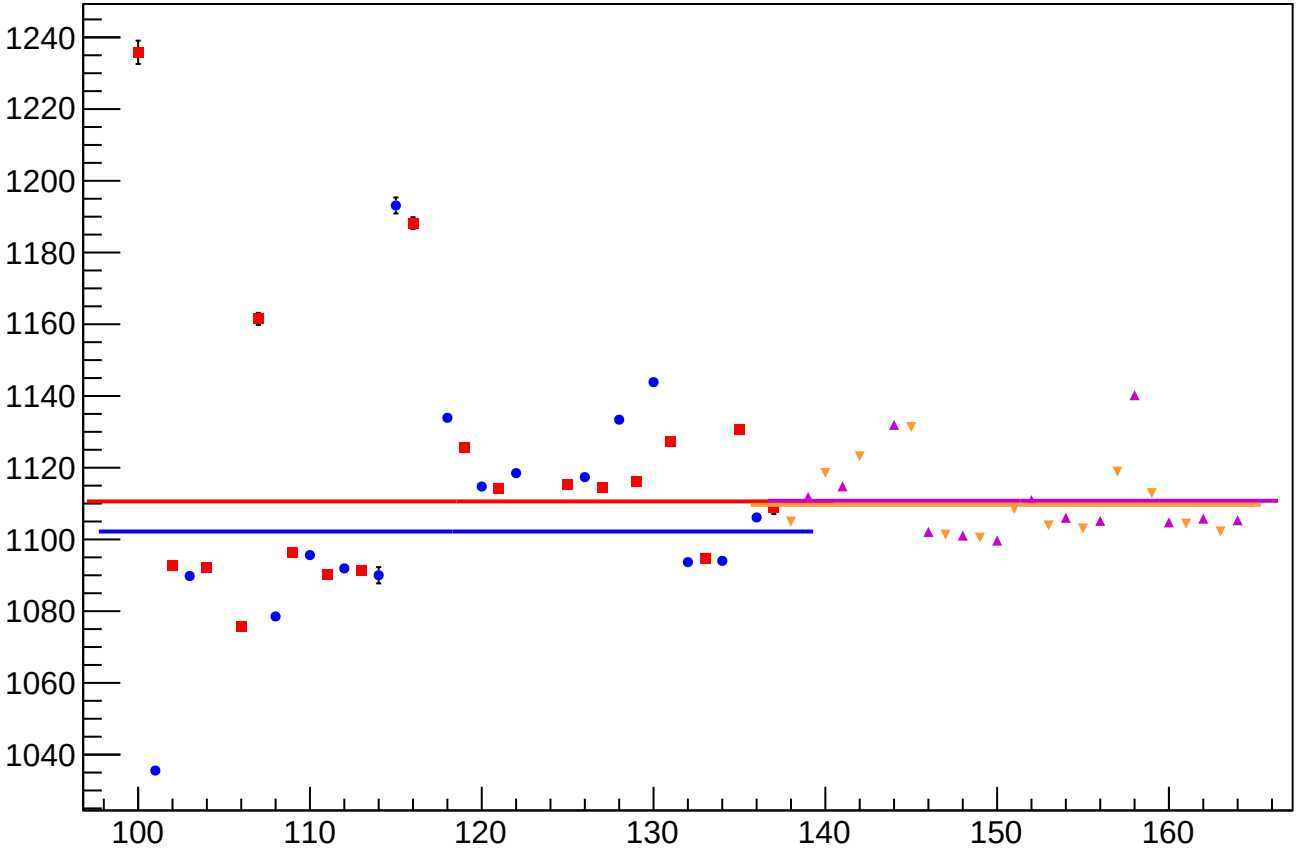
Left In: -1608.419+/-335.372 χ^2/NDF:15.7/12

+ sign 1862.442+/-263.450 χ^2/NDF: 17.2/28

All: 9.863+/-184.838 χ^2/NDF: 143.5/59

- 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: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

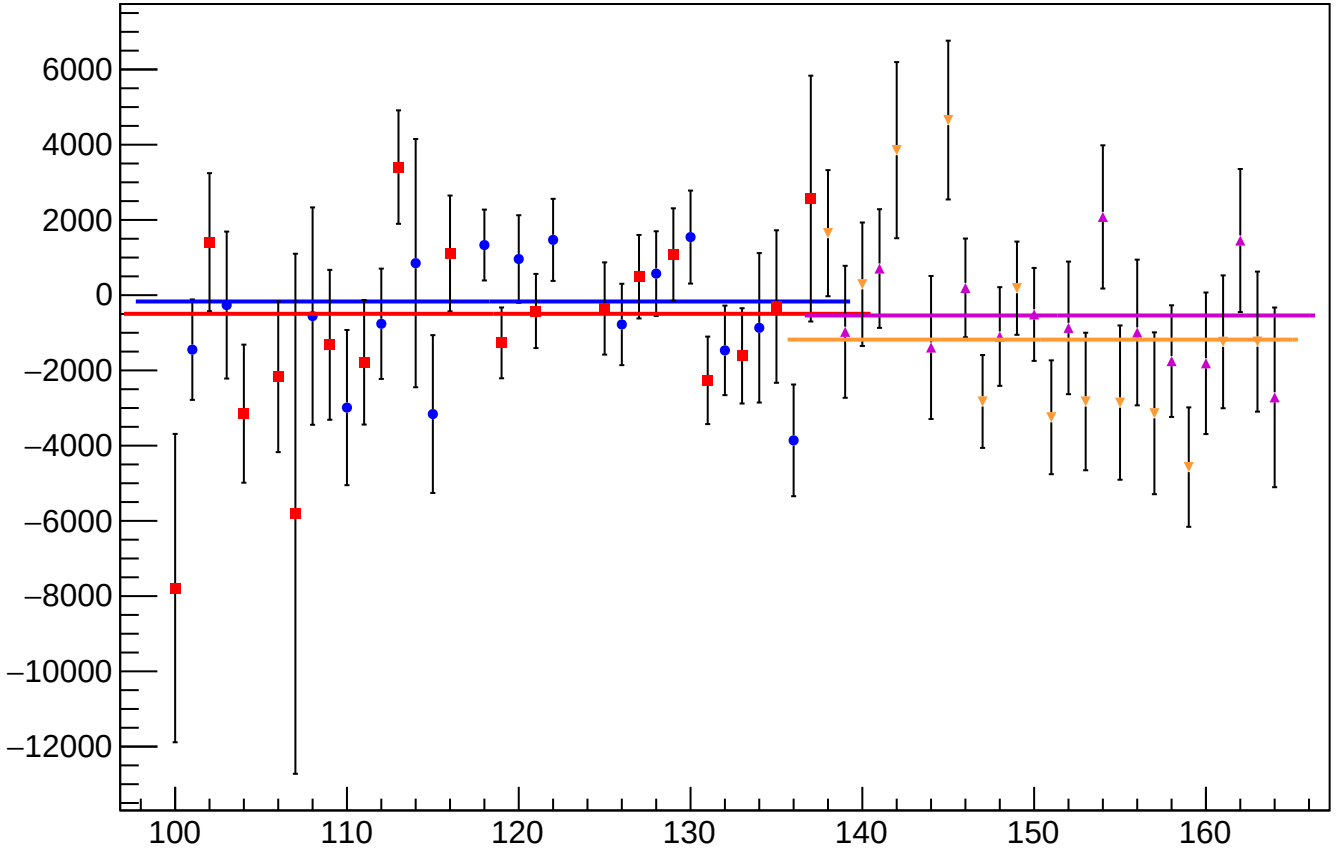
Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59

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

asym_usl_reg_correction_mean vs Slug



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

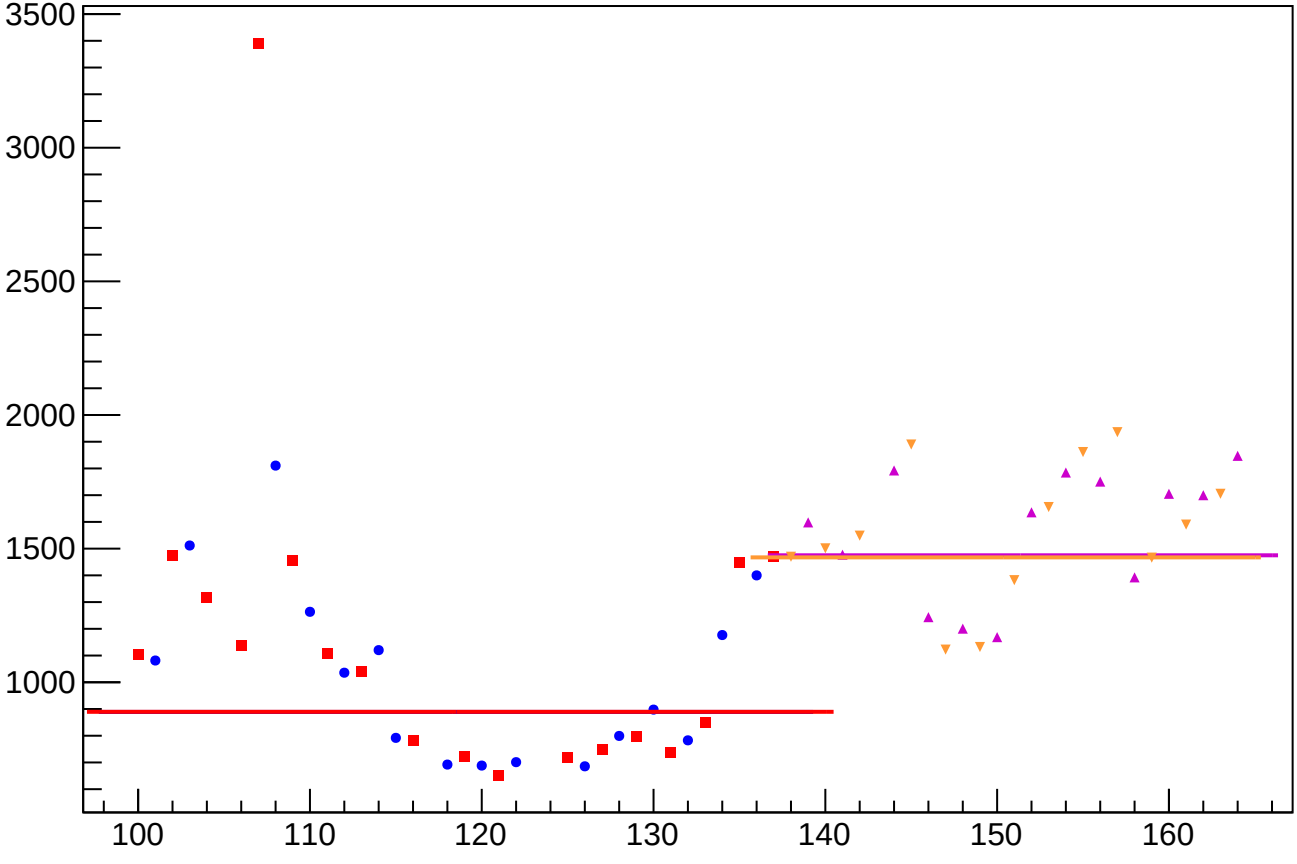
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -520.237+/-195.033 χ^2/NDF: 81.4/59

- 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: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

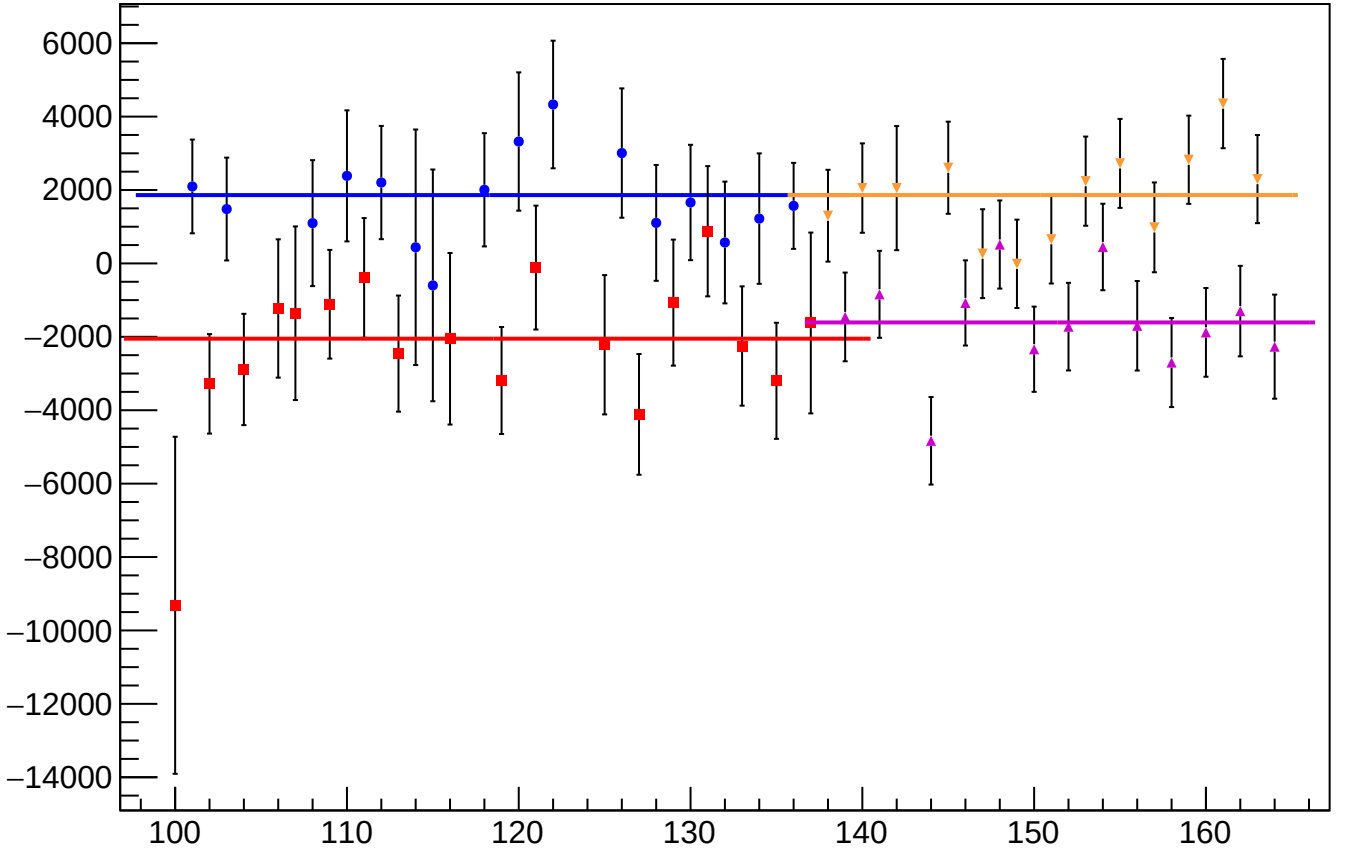
Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1099.778+/-0.138 χ^2/NDF: 7777062.1/59

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

cor_asym_usl_mean vs Slug



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

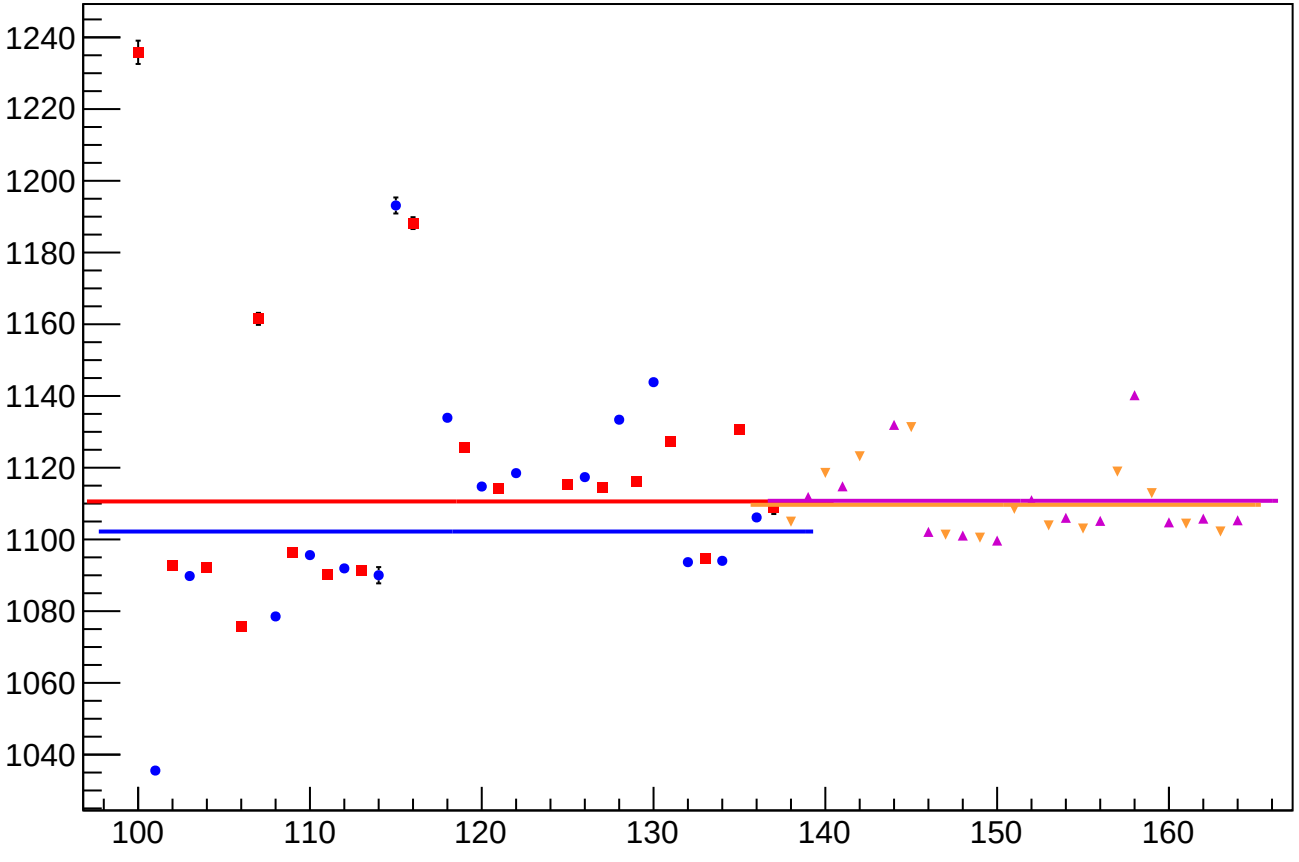
Left In: -1608.419+/-335.372 χ^2/NDF:15.7/12

+ sign 1862.442+/-263.450 χ^2/NDF: 17.2/28

All: 9.863+/-184.838 χ^2/NDF: 143.5/59

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

cor_asym_usl_rms vs Slug



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

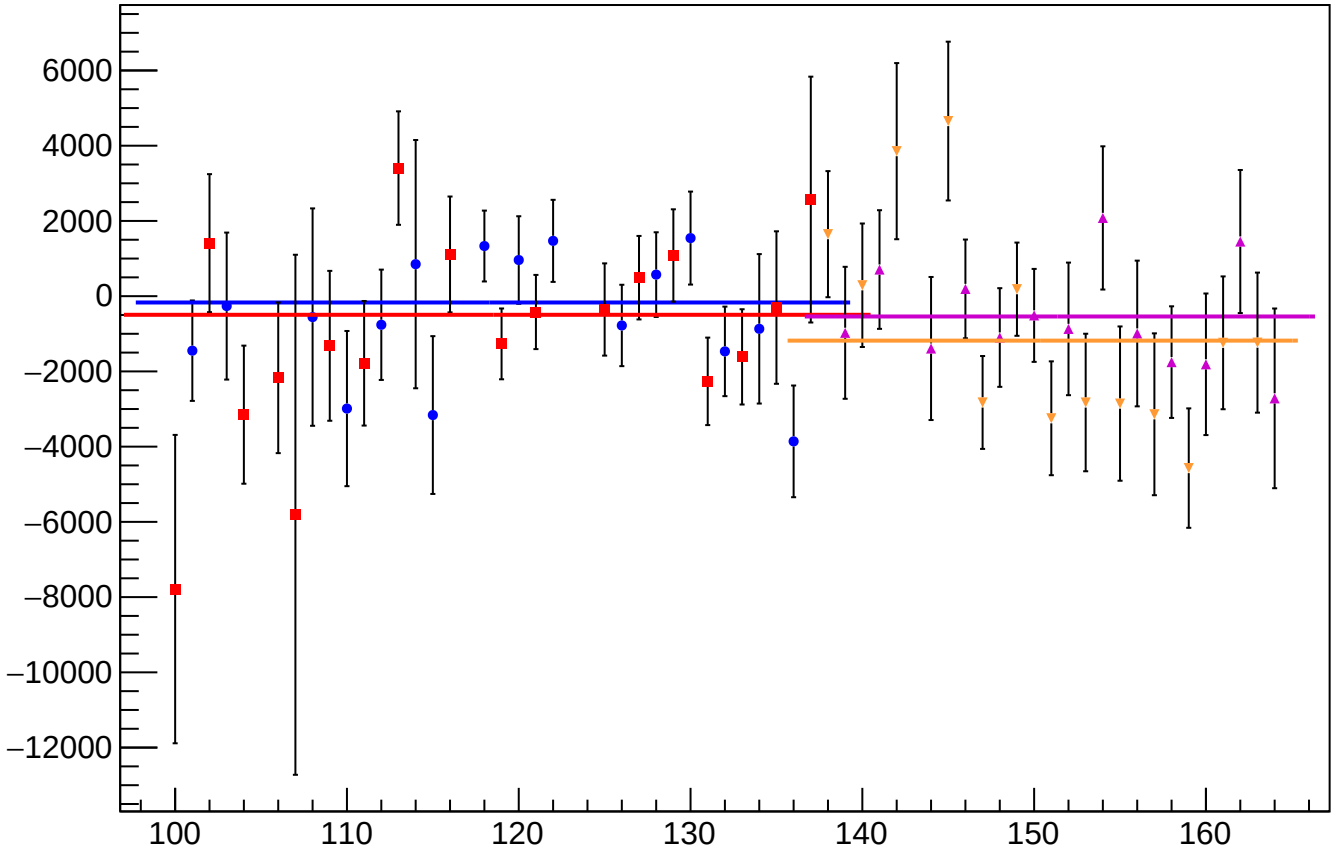
Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59

- 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: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

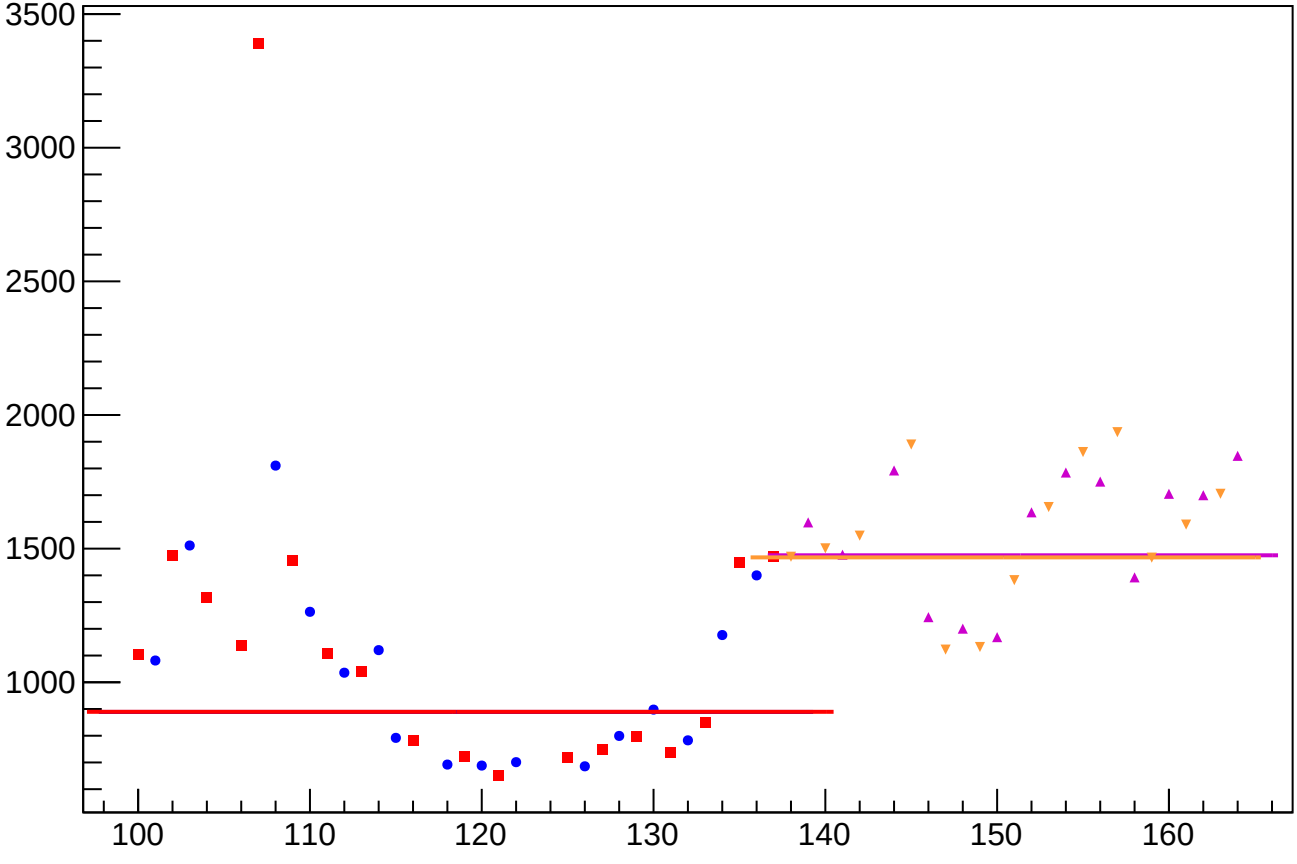
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -520.237+/-195.033 χ^2/NDF: 81.4/59

- 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: 1467.266+/-0.328 χ^2/NDF:624595.9/12

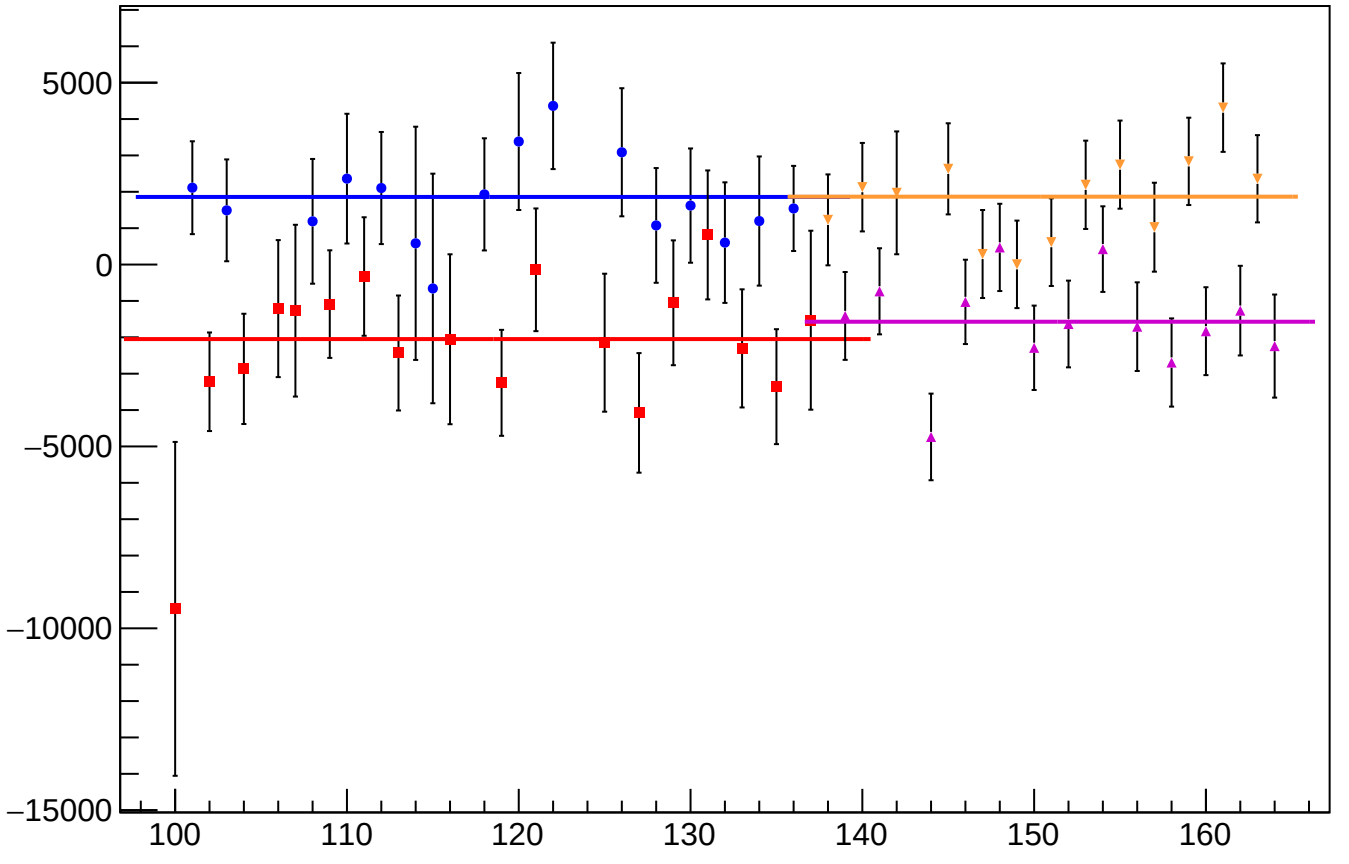
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1099.778+/-0.138 χ^2/NDF: 7777062.1/59

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



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

Left Out: 1866.021+/-343.750 χ^2/NDF:11.8/12

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

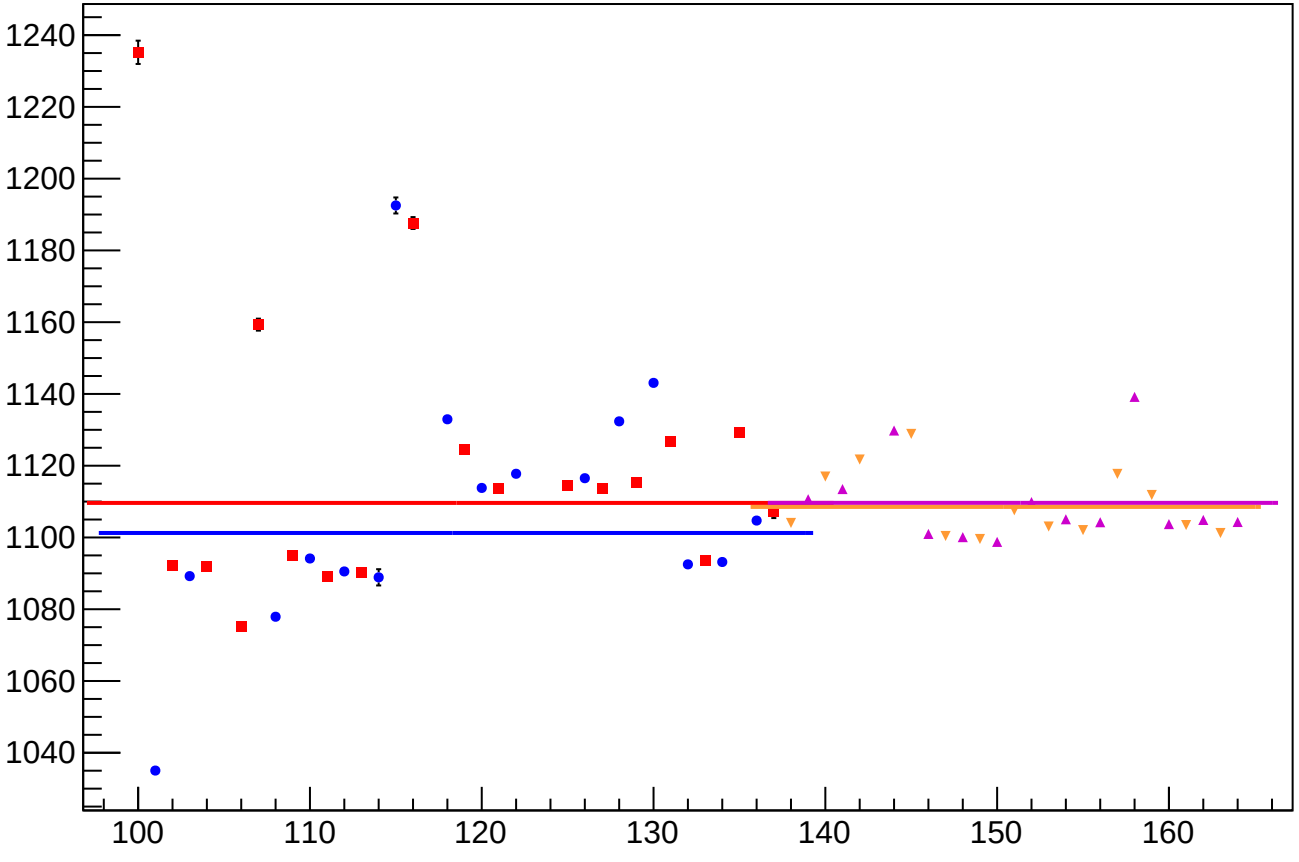
Left In: -1571.755+/-335.031 χ^2/NDF:15.2/12

+ sign 1862.985+/-263.196 χ^2/NDF: 17.2/28

All: 21.741+/-184.661 χ^2/NDF: 142.4/59

- 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: 1108.513+/-0.243 χ^2/NDF:1308.3/12

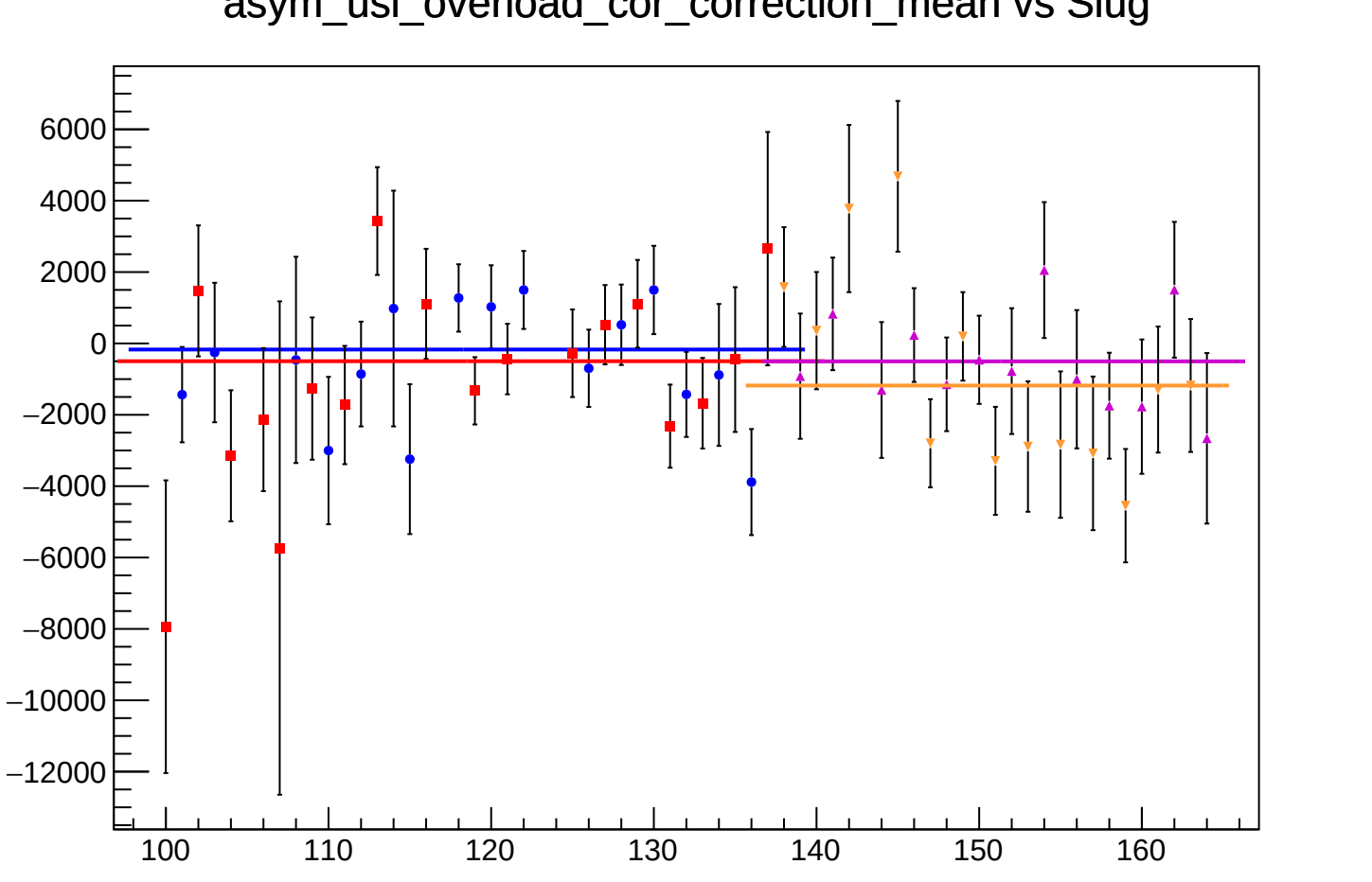
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

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

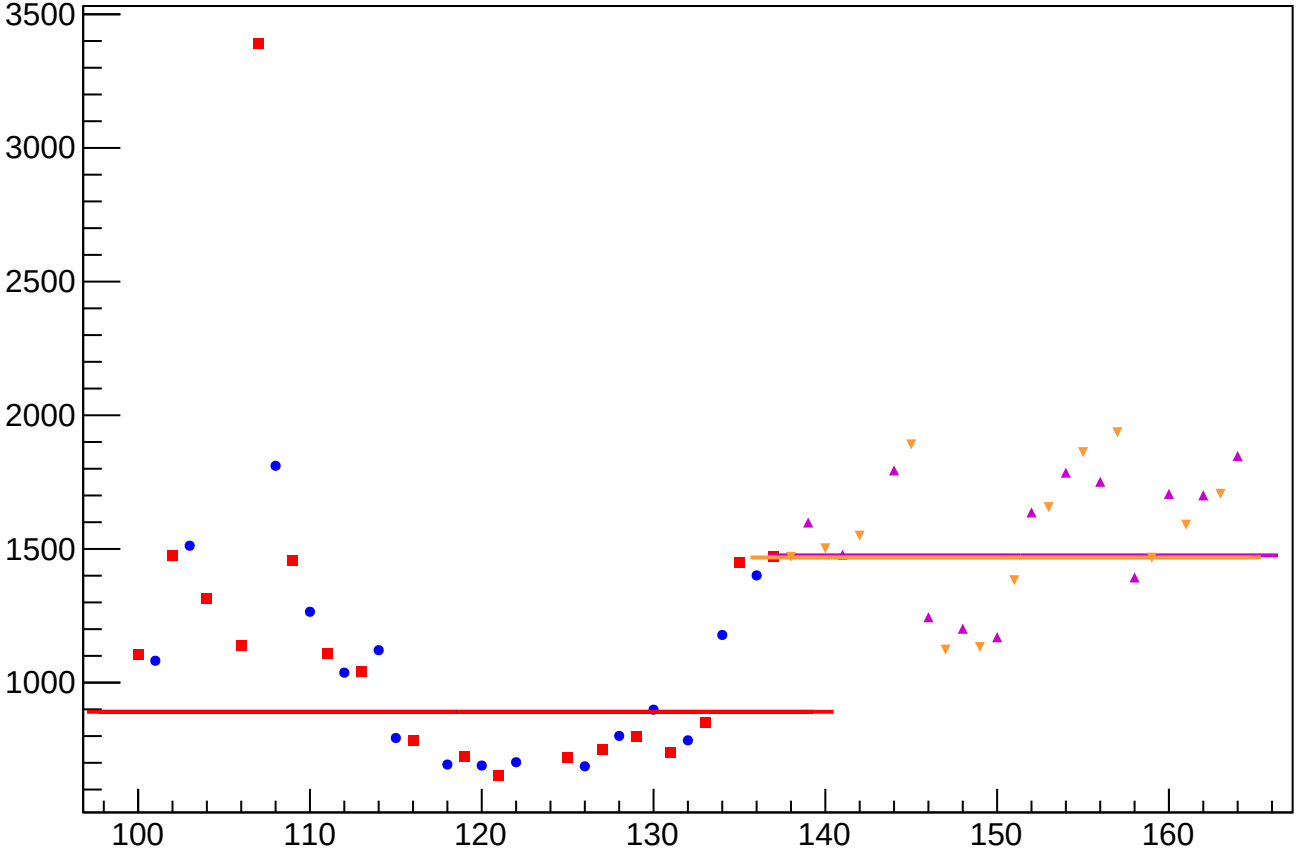
\+ sign 1105.510+/-0.186 χ^2/NDF: 12985.5/28

All: 1107.605+/-0.131 χ^2/NDF: 23280.8/59

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


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1180.071+/-464.653 χ²/NDF:27.5/12
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -502.595+/-453.265 χ²/NDF:6.5/12
+ sign -530.867+/-277.502 χ²/NDF: 51.4/28
All: -515.112+/-195.264 χ²/NDF: 81.8/59
- sign -499.662+/-274.809 χ²/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: 1468.186+/-0.329 χ^2/NDF:623631.4/12

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

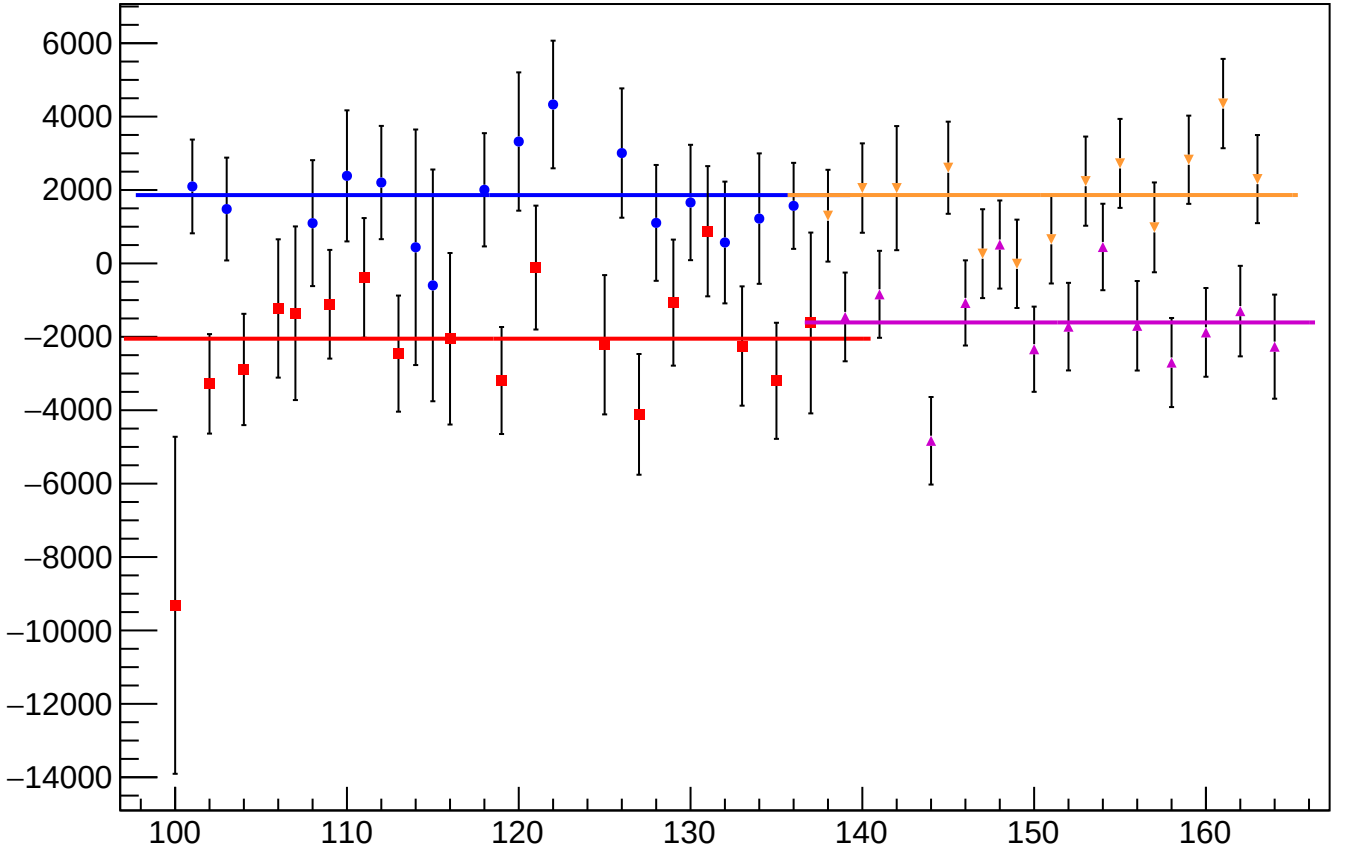
Left In: 1475.991+/-0.321 χ^2/NDF:559918.7/12

+ sign 1096.544+/-0.196 χ^2/NDF: 3741184.1/28

All: 1101.316+/-0.138 χ^2/NDF: 7751337.7/59

- 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: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

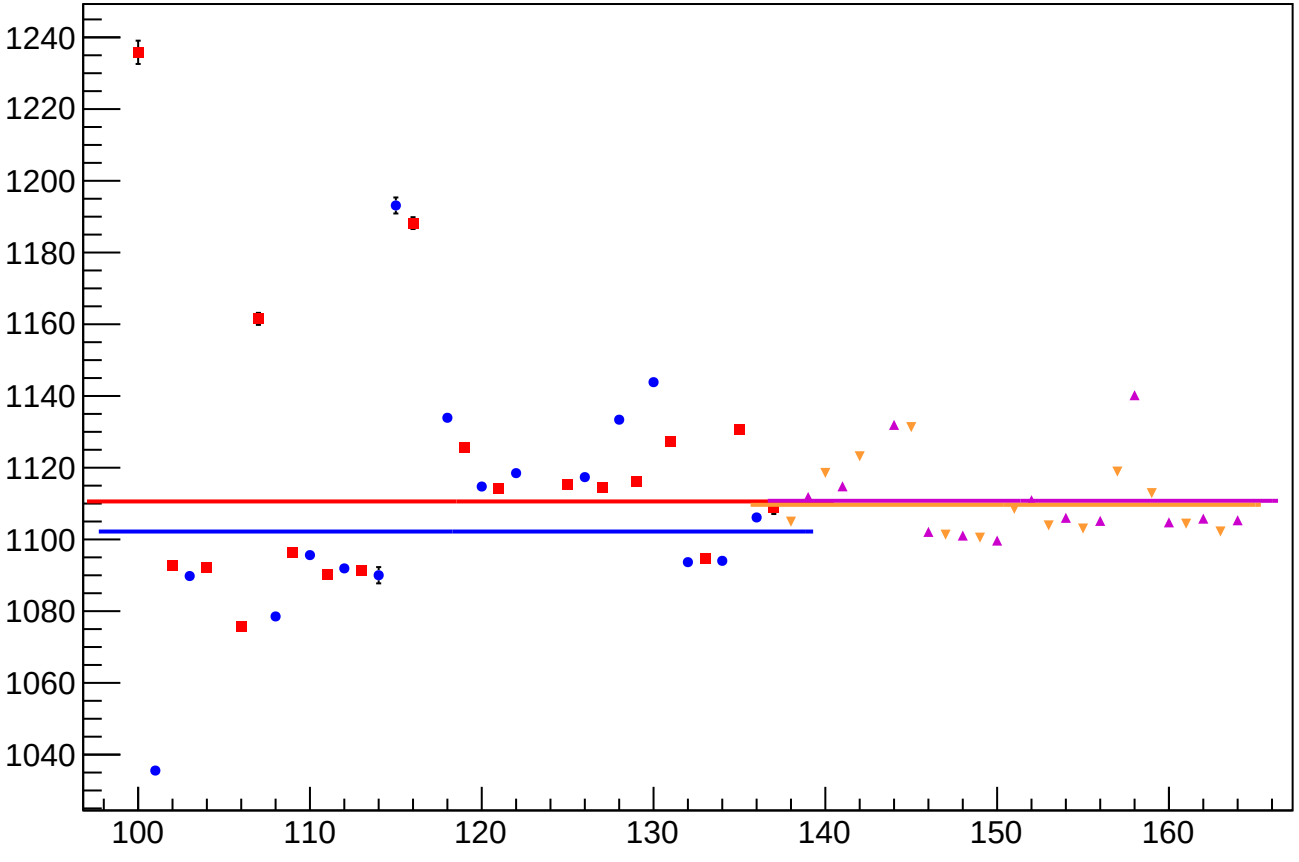
Left In: -1608.419+/-335.372 χ^2/NDF:15.7/12

+ sign 1862.442+/-263.450 χ^2/NDF: 17.2/28

All: 9.863+/-184.838 χ^2/NDF: 143.5/59

- 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: 1109.655+/-0.243 χ^2/NDF:1418.2/12

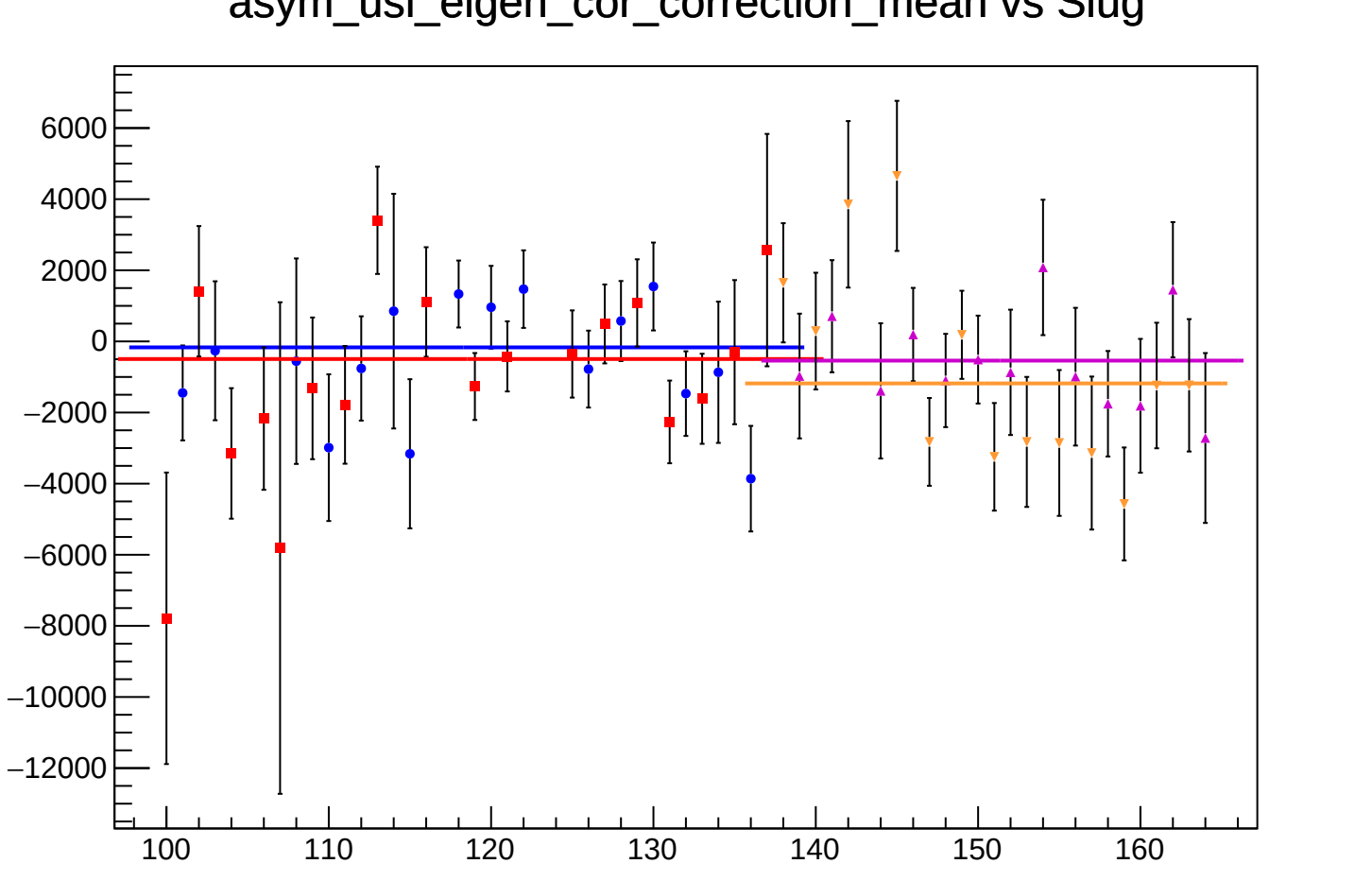
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59

- 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: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

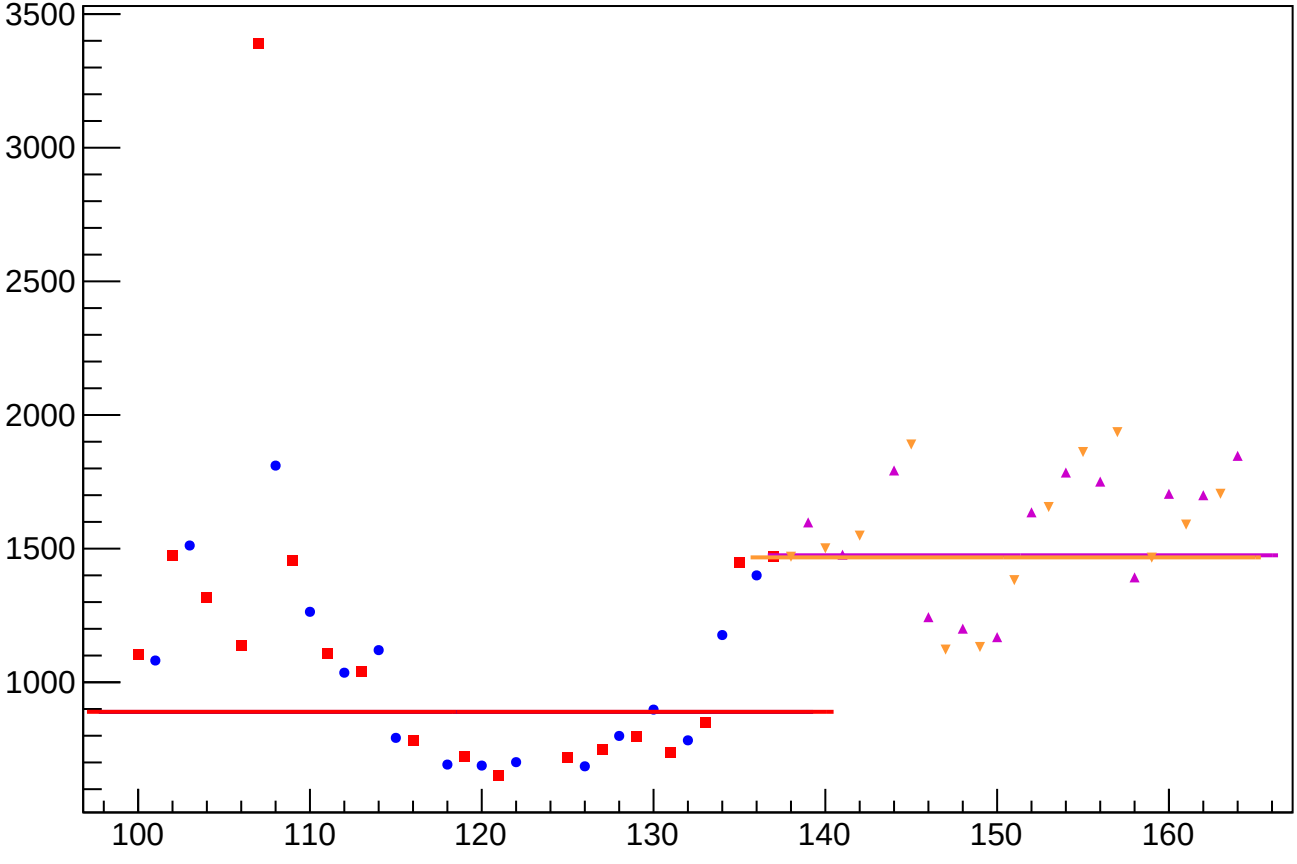
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -520.237+/-195.033 χ^2/NDF: 81.4/59

- 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: 1467.266+/-0.328 χ^2/NDF:624595.9/12

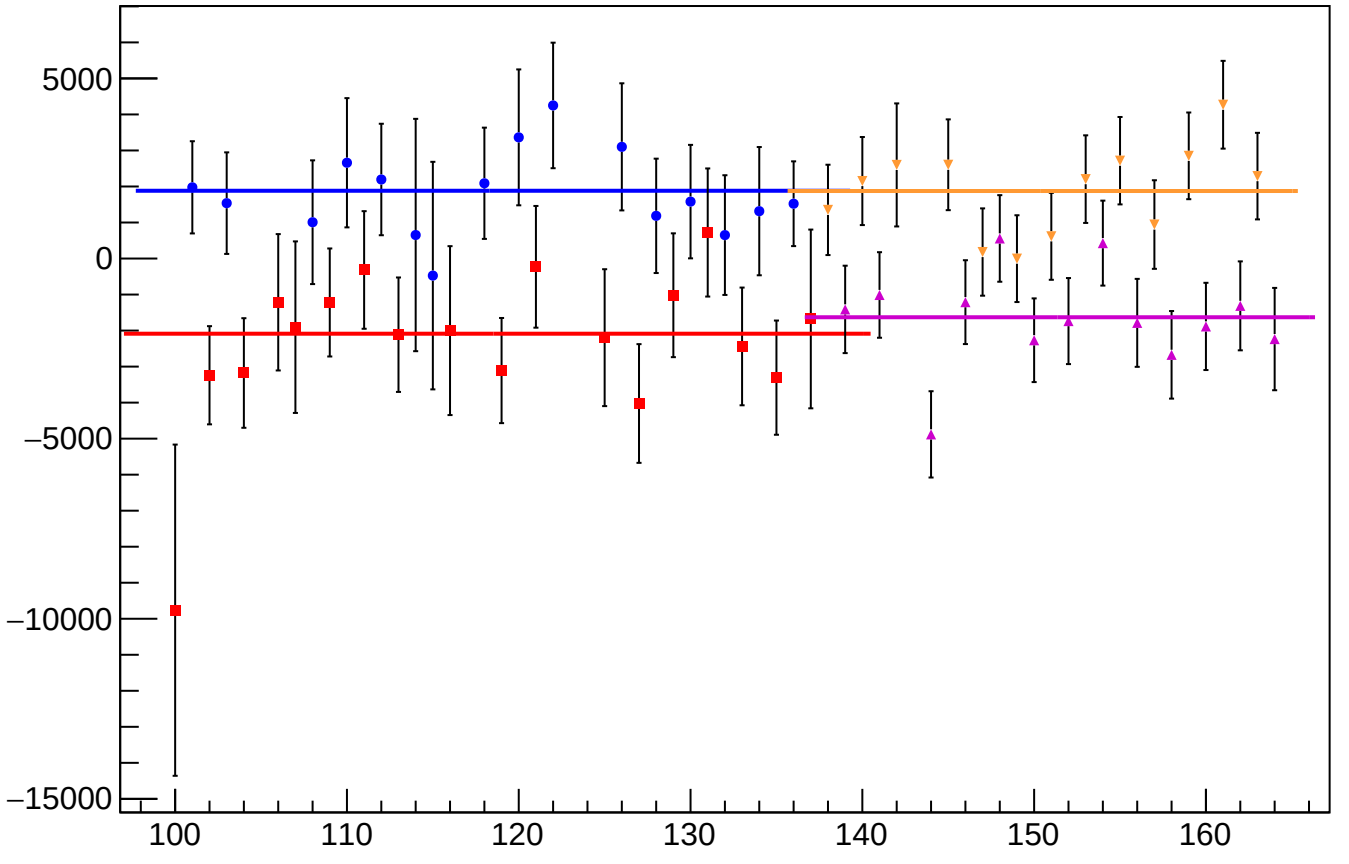
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1099.778+/-0.138 χ^2/NDF: 7777062.1/59

- 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: 1874.582+/-344.863 χ^2/NDF:12.0/12

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

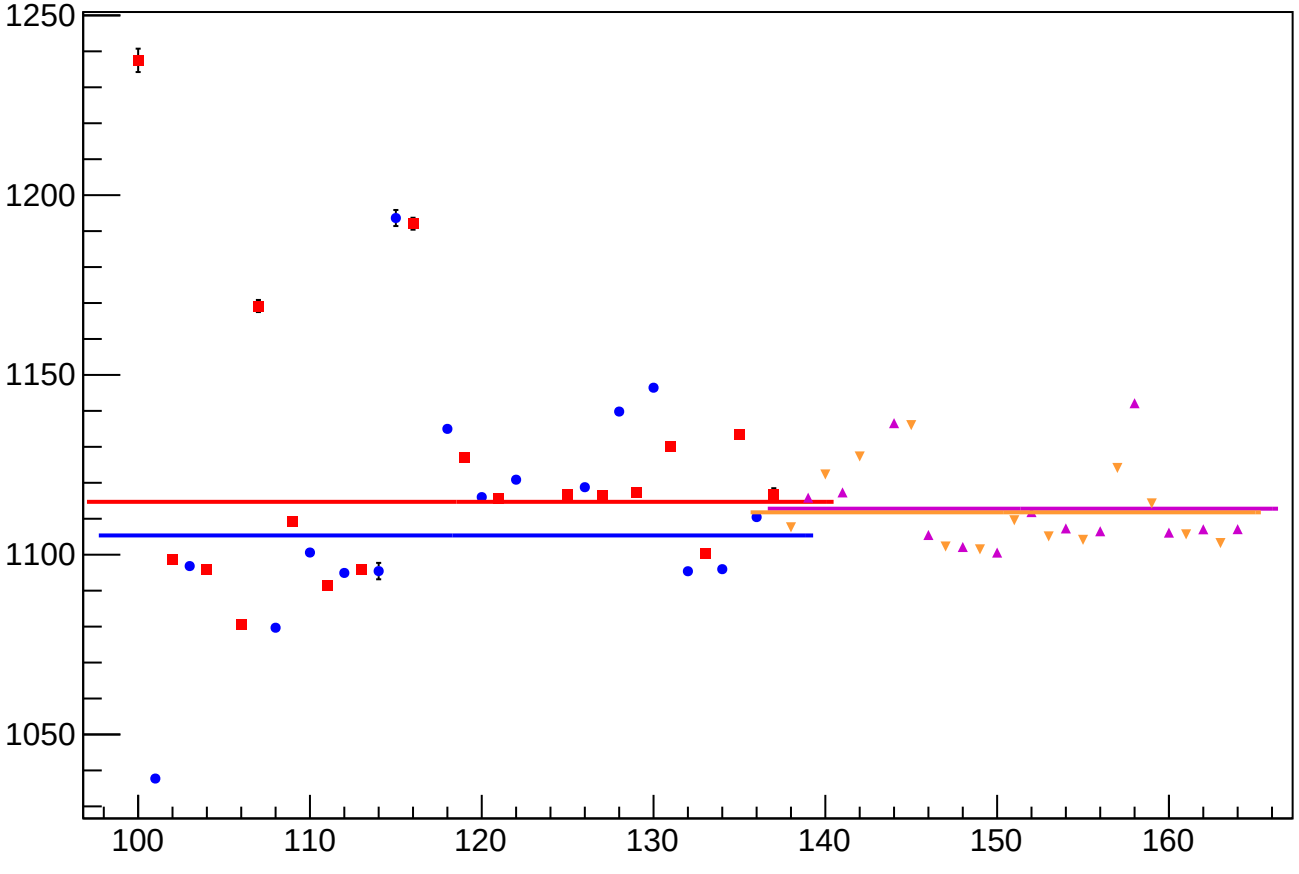
Left In: -1629.886+/-335.992 χ^2/NDF:15.5/12

+ sign 1877.453+/-264.103 χ^2/NDF: 17.2/28

All: 3.841+/-185.309 χ^2/NDF: 144.9/59

- 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: 1111.784+/-0.244 χ^2/NDF:1854.6/12

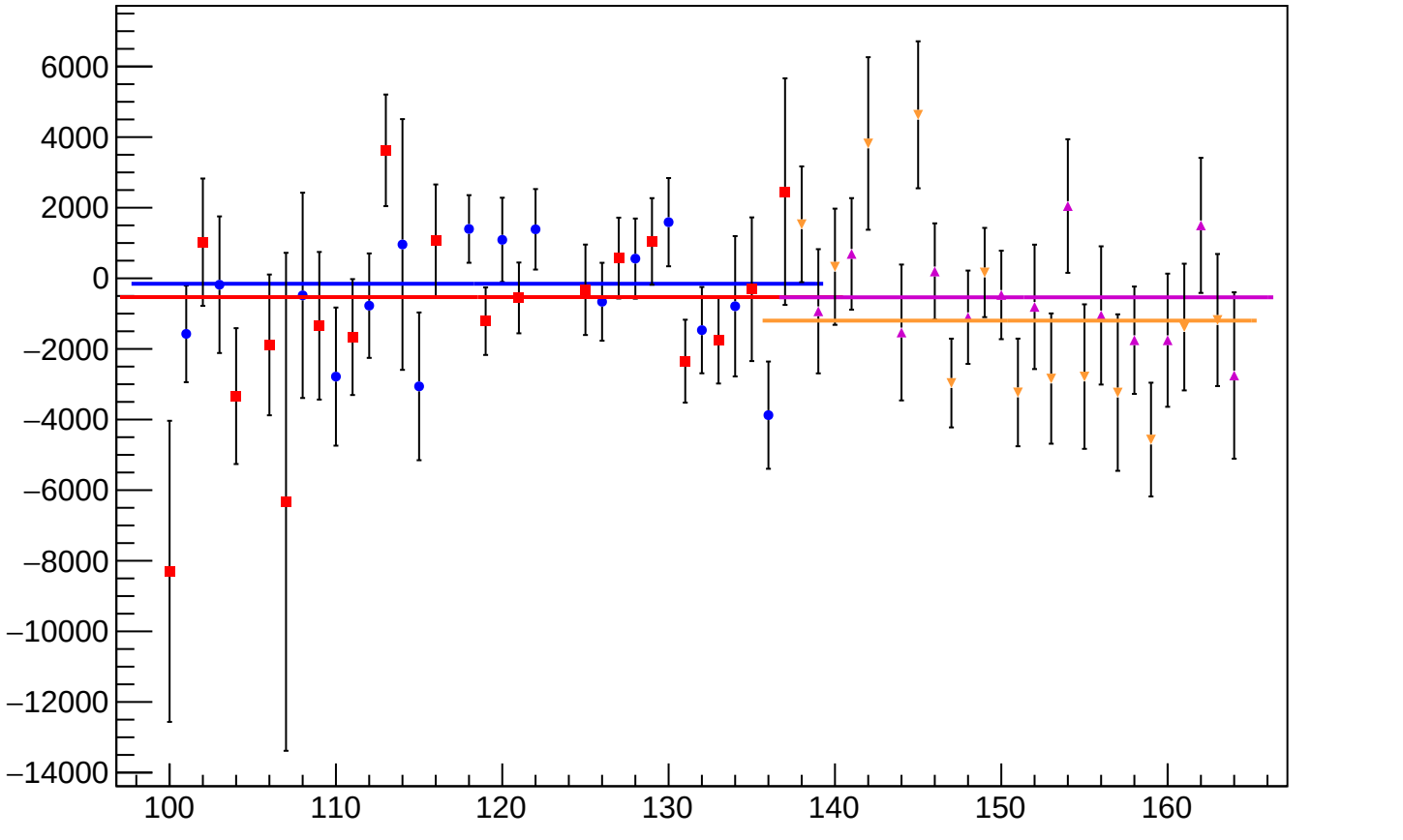
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

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

+ sign 1109.126+/-0.187 χ^2/NDF: 13472.9/28

All: 1111.377+/-0.131 χ^2/NDF: 23800.4/59

- 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: -1198.408+/-468.988 χ^2/NDF:27.2/12

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

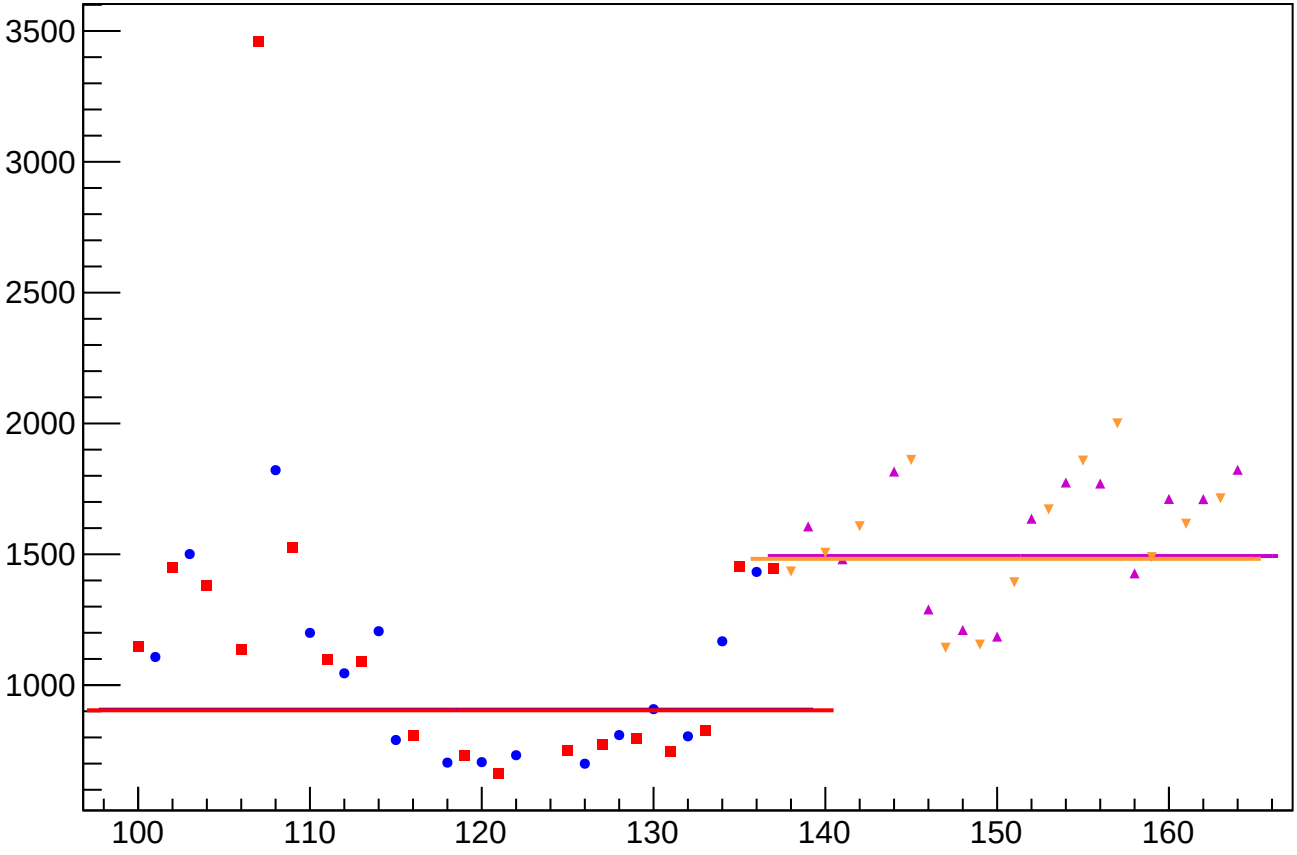
Left In: -537.683+/-457.828 χ^2/NDF:6.4/12

+ sign -529.407+/-281.176 χ^2/NDF: 50.9/28

All: -531.827+/-197.782 χ^2/NDF: 80.5/59

- 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: 1482.707+/-0.332 χ^2/NDF:600176.7/12

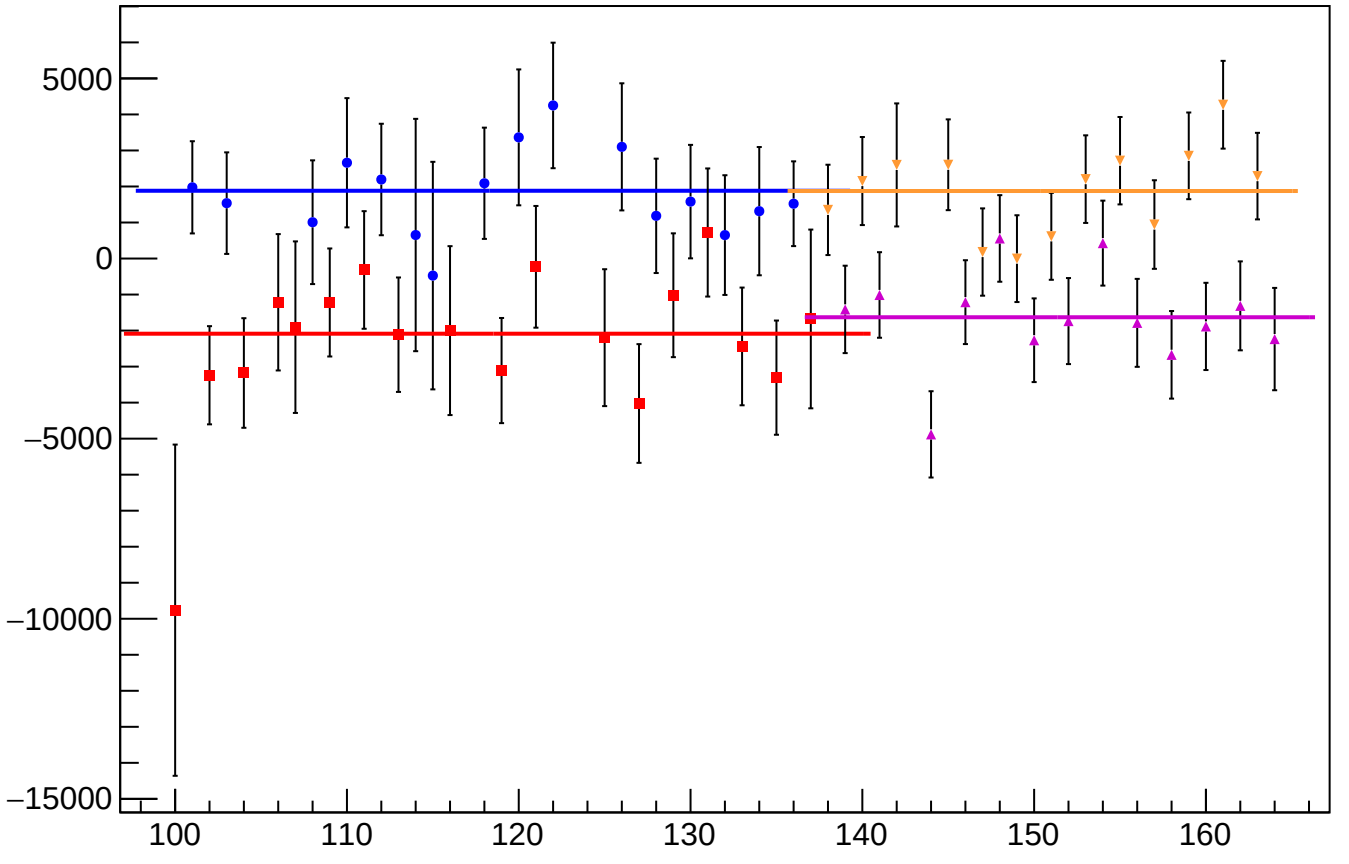
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

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

+ sign 1113.317+/-0.199 χ^2/NDF: 3616563.6/28

All: 1117.468+/-0.140 χ^2/NDF: 7563274.0/59

- 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: 1874.577+/-344.863 χ^2/NDF:12.0/12

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

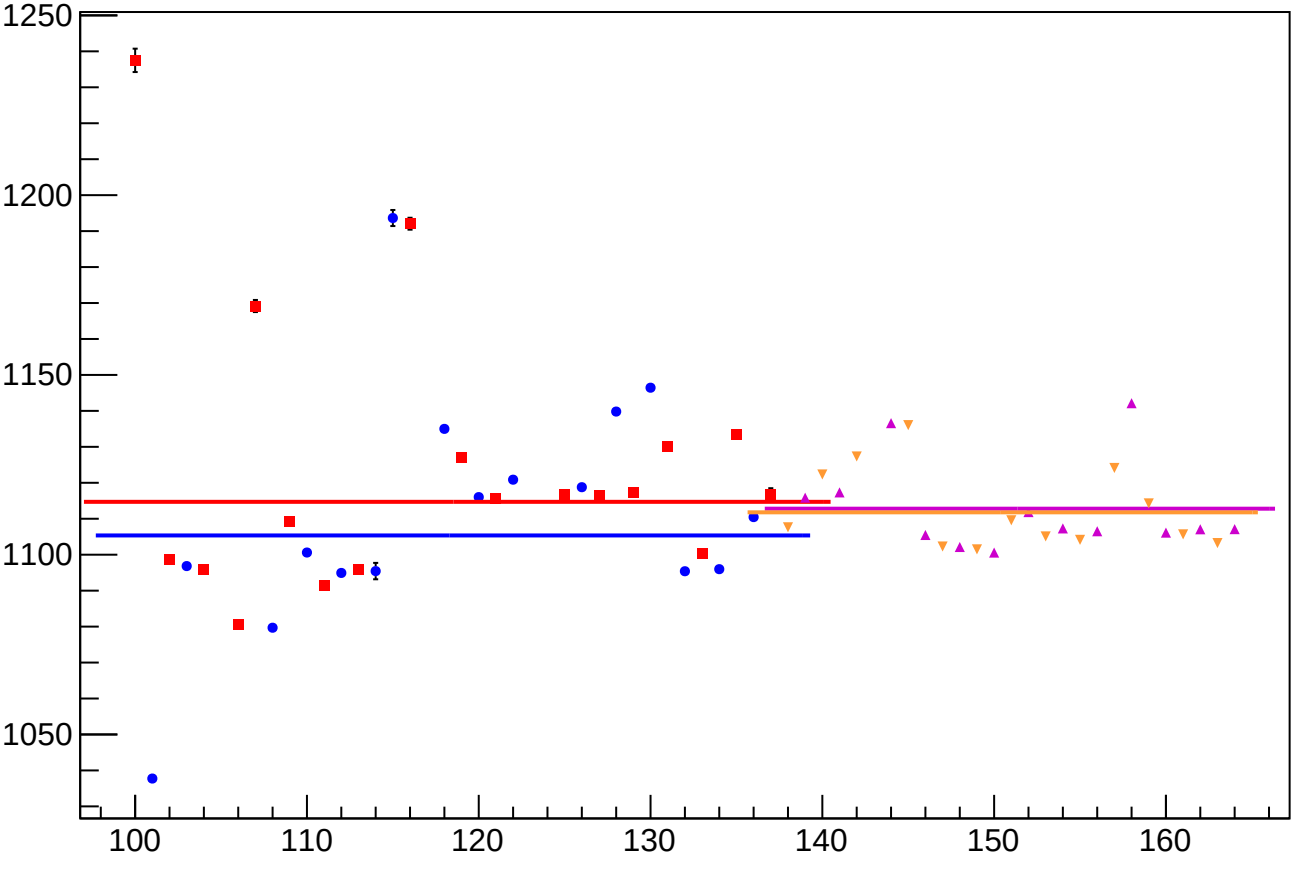
Left In: -1629.888+/-335.992 χ^2/NDF:15.5/12

+ sign 1877.449+/-264.103 χ^2/NDF: 17.2/28

All: 3.839+/-185.309 χ^2/NDF: 144.9/59

- 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: 1111.784+/-0.244 χ^2/NDF:1854.6/12

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

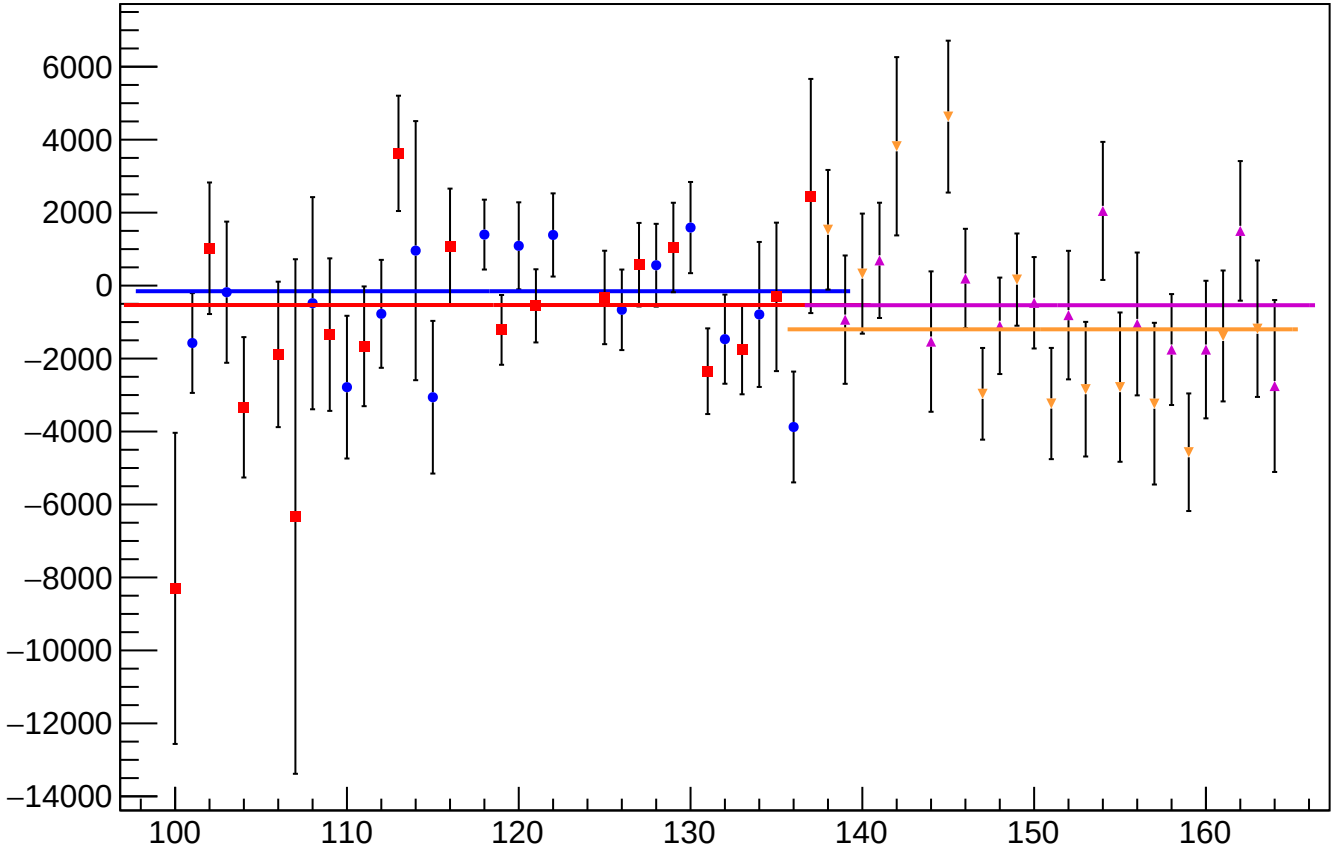
Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

\+ sign 1109.126+/-0.187 χ^2/NDF: 13472.9/28

All: 1111.377+/-0.131 χ^2/NDF: 23800.3/59

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

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -1198.414+/-468.989 χ^2/NDF:27.2/12

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

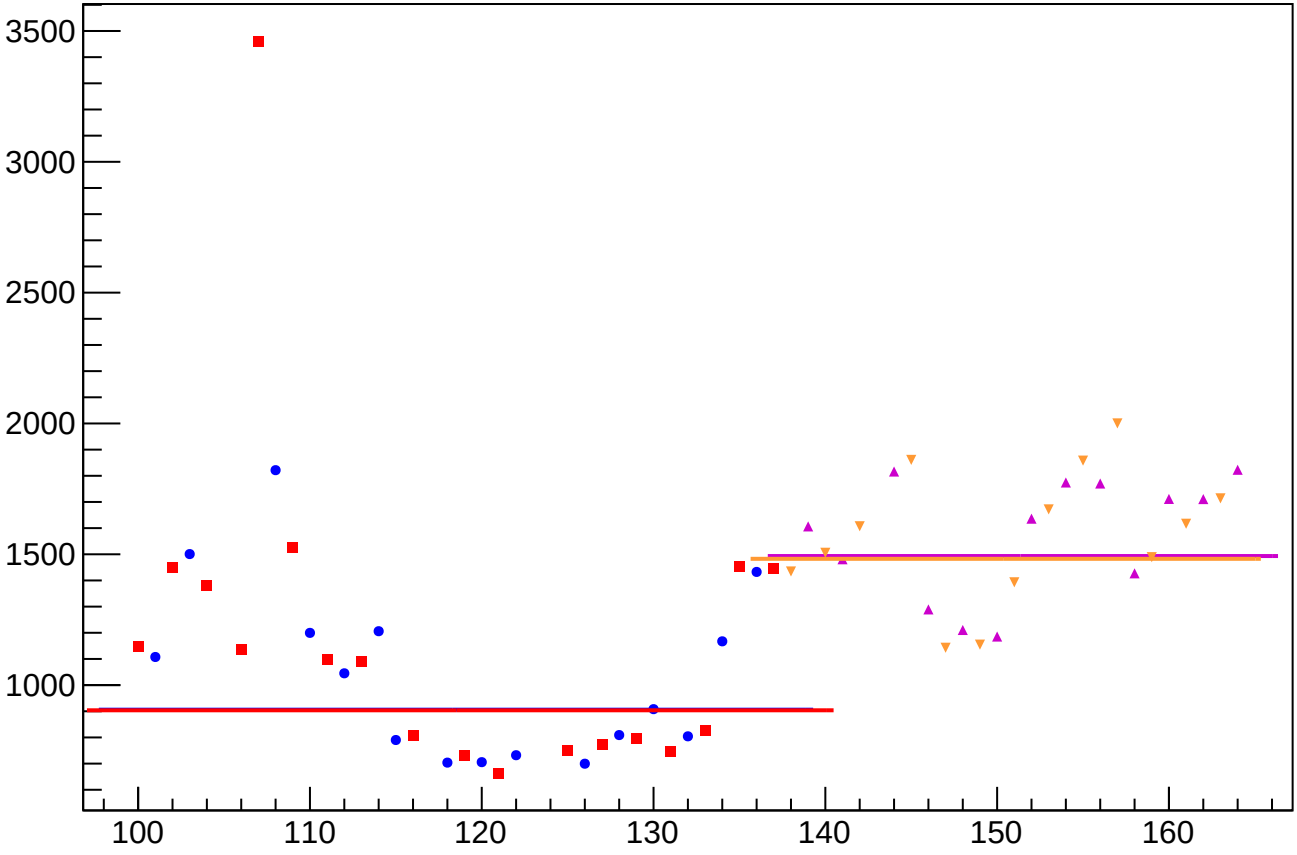
Left In: -537.686+/-457.828 χ^2/NDF:6.4/12

+ sign -529.407+/-281.176 χ^2/NDF: 50.9/28

All: -531.827+/-197.782 χ^2/NDF: 80.5/59

- 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: 1482.709+/-0.332 χ^2/NDF:600173.4/12

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

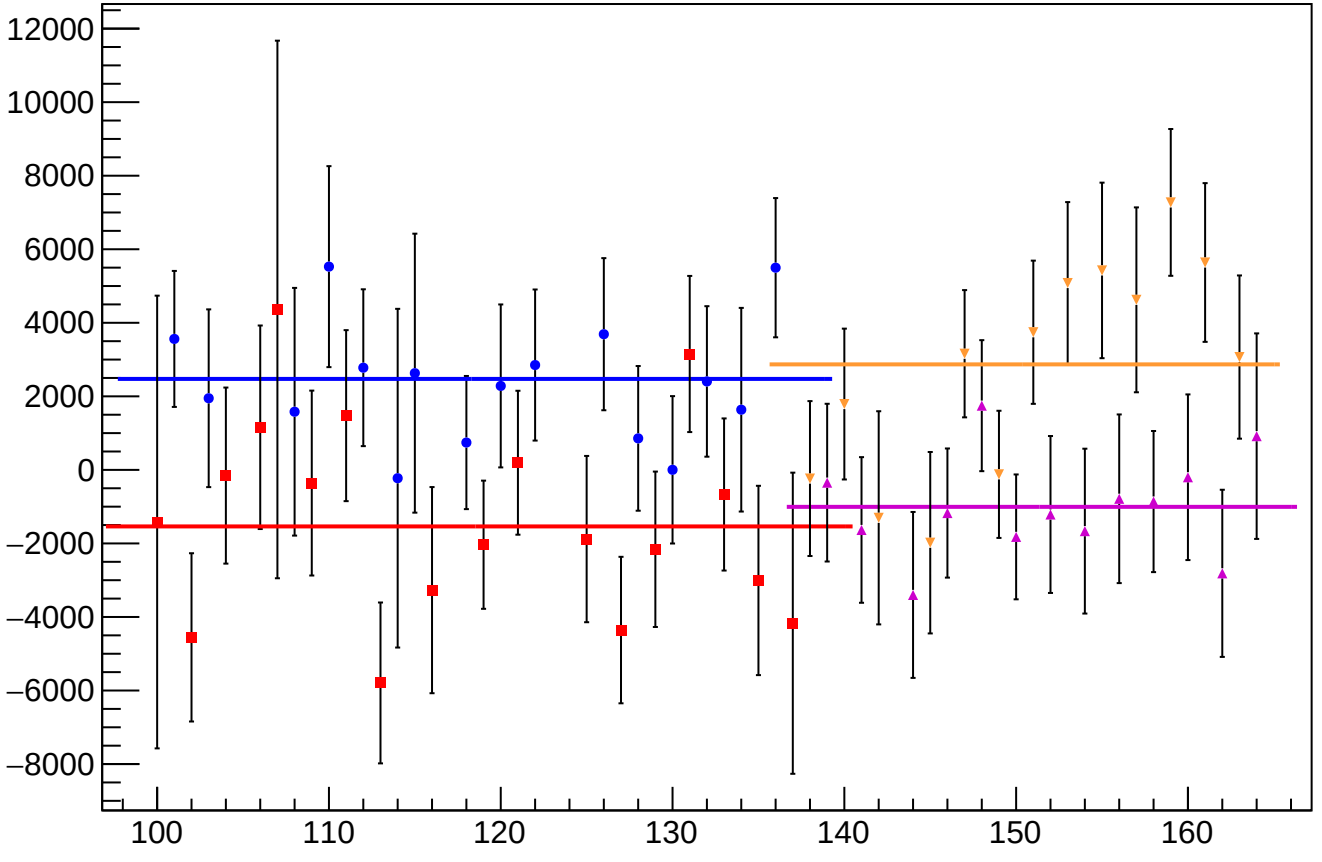
Left In: 1493.305+/-0.324 χ^2/NDF:514536.9/12

+ sign 1113.316+/-0.199 χ^2/NDF: 3616591.9/28

All: 1117.466+/-0.140 χ^2/NDF: 7563331.0/59

- 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: 2869.334+/-588.488 χ^2/NDF:20.8/12

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

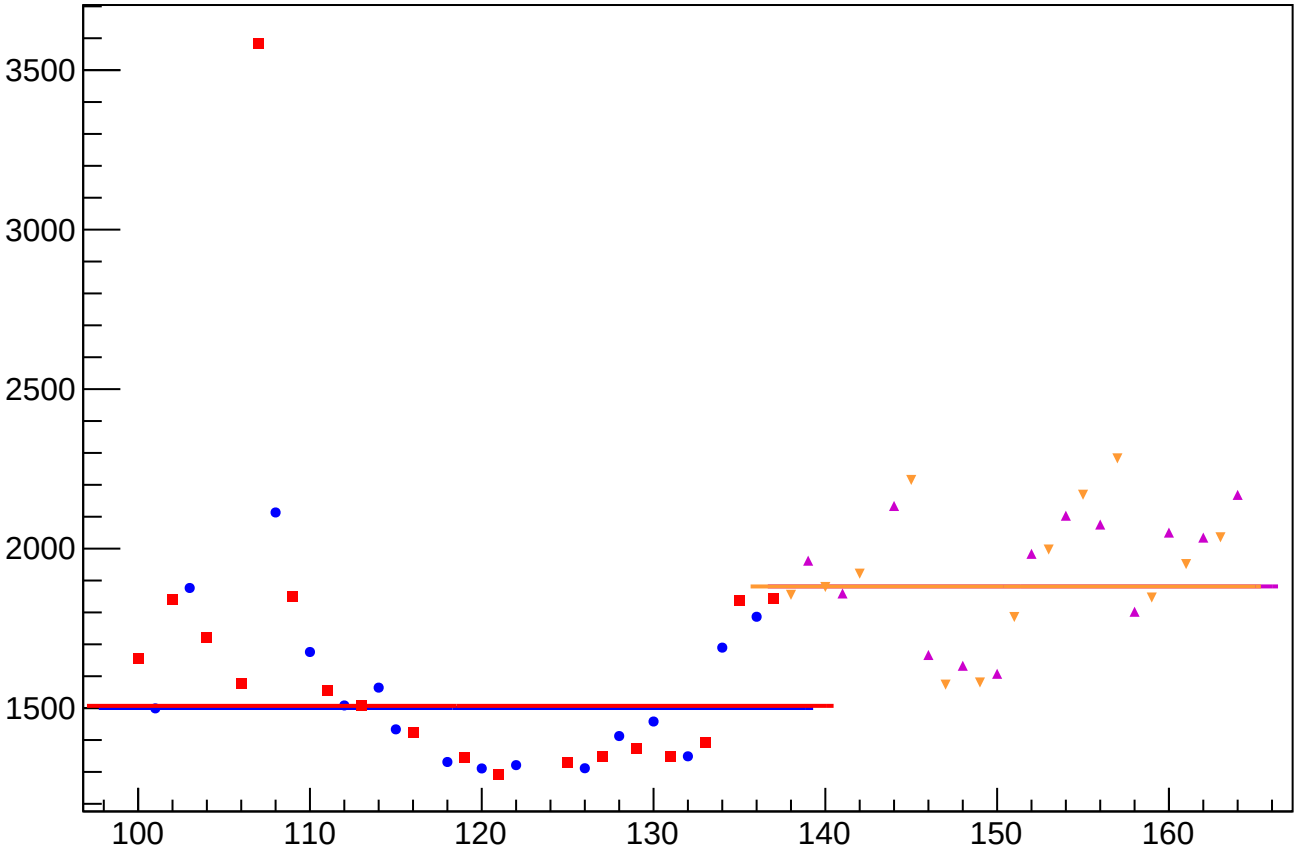
Left In: -1005.139+/-572.193 χ^2/NDF:5.3/12

+ sign 2662.883+/-406.736 χ^2/NDF: 29.2/28

All: 668.326+/-285.741 χ^2/NDF: 101.0/59

- 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: 1881.399+/-0.416 χ^2/NDF:264006.4/12

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

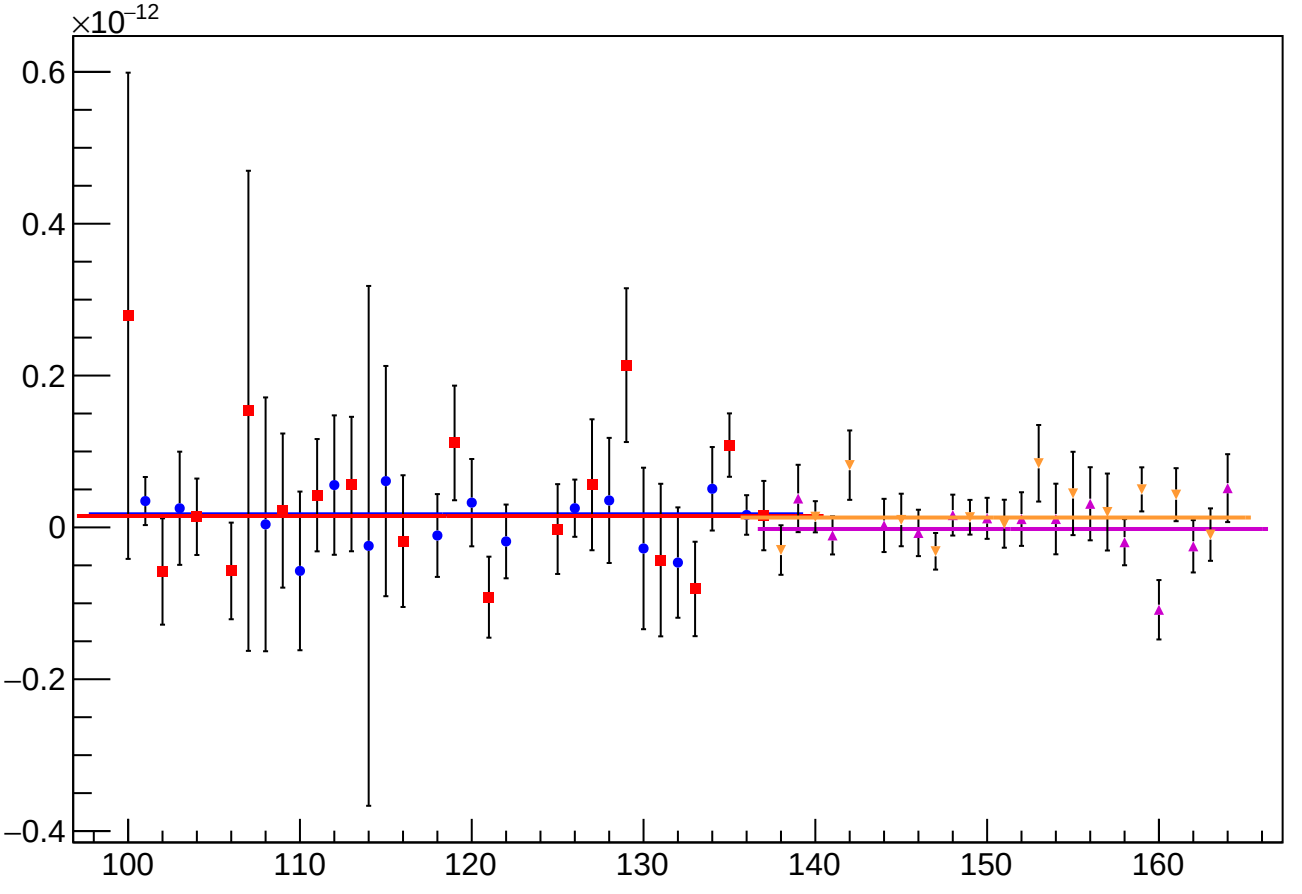
Left In: 1881.527+/-0.405 χ^2/NDF:232297.5/12

+ sign 1682.389+/-0.288 χ^2/NDF: 960702.9/28

All: 1686.986+/-0.202 χ^2/NDF: 2029452.6/59

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

asym_usl_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/12

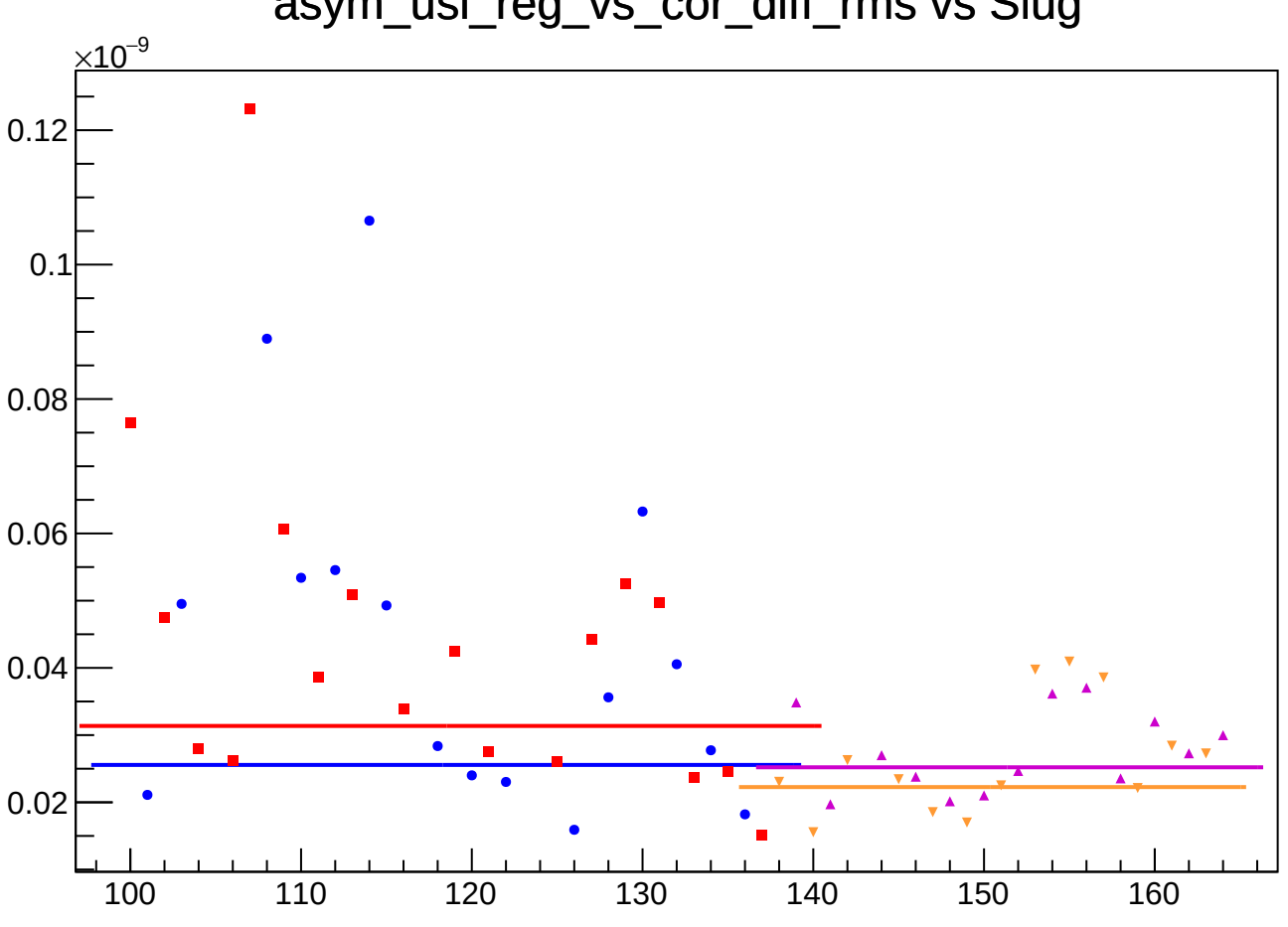
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/28

All: 0.000+/-0.000 χ^2/NDF: 51.5/59

- 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:1169674.1/12

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

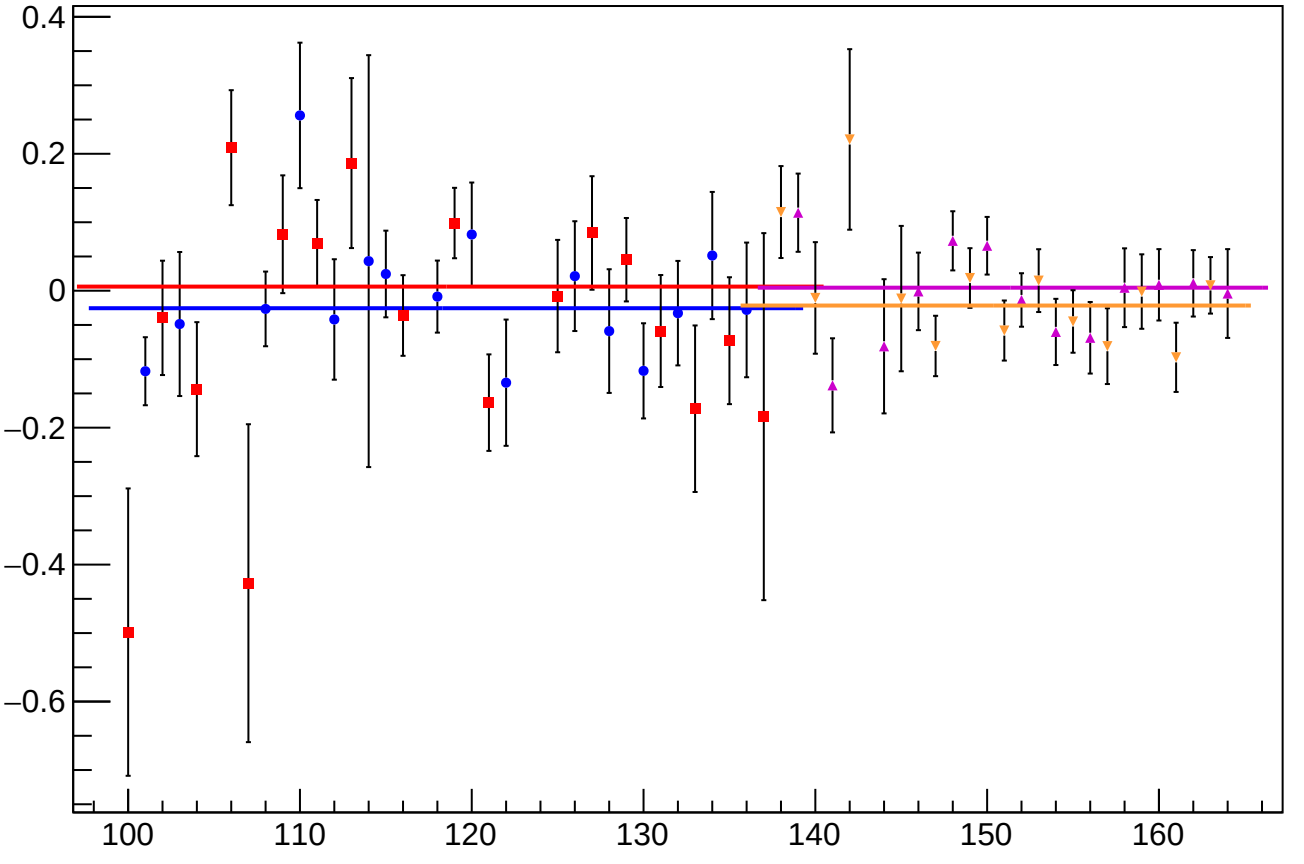
Left In: 0.000+/-0.000 χ^2/NDF:647810.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2961508.5/28

All: 0.000+/-0.000 χ^2/NDF: 5265729.9/59

- 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: -0.022+/-0.015 χ^2/NDF:15.8/12

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

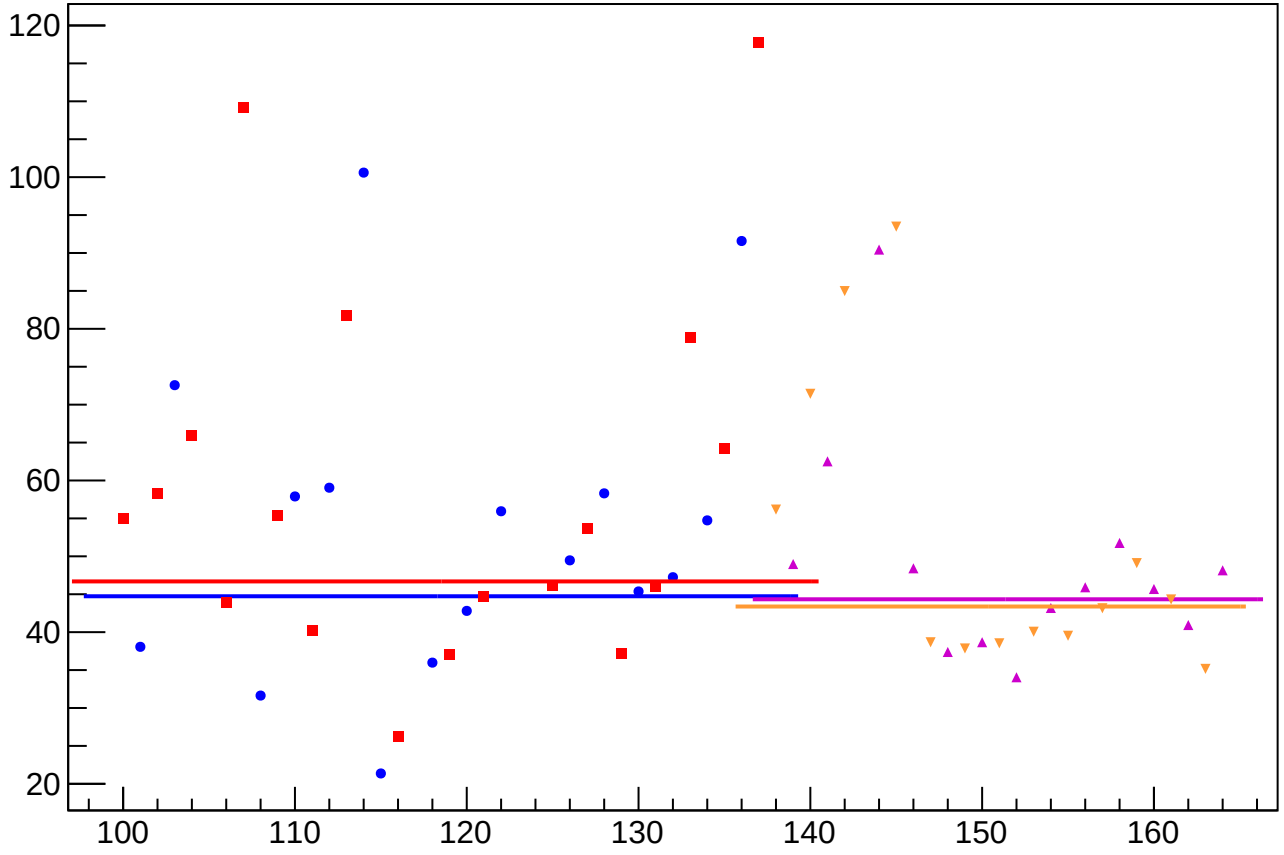
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/59

- 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: 43.381+/-0.010 χ^2/NDF:1160671.3/12

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

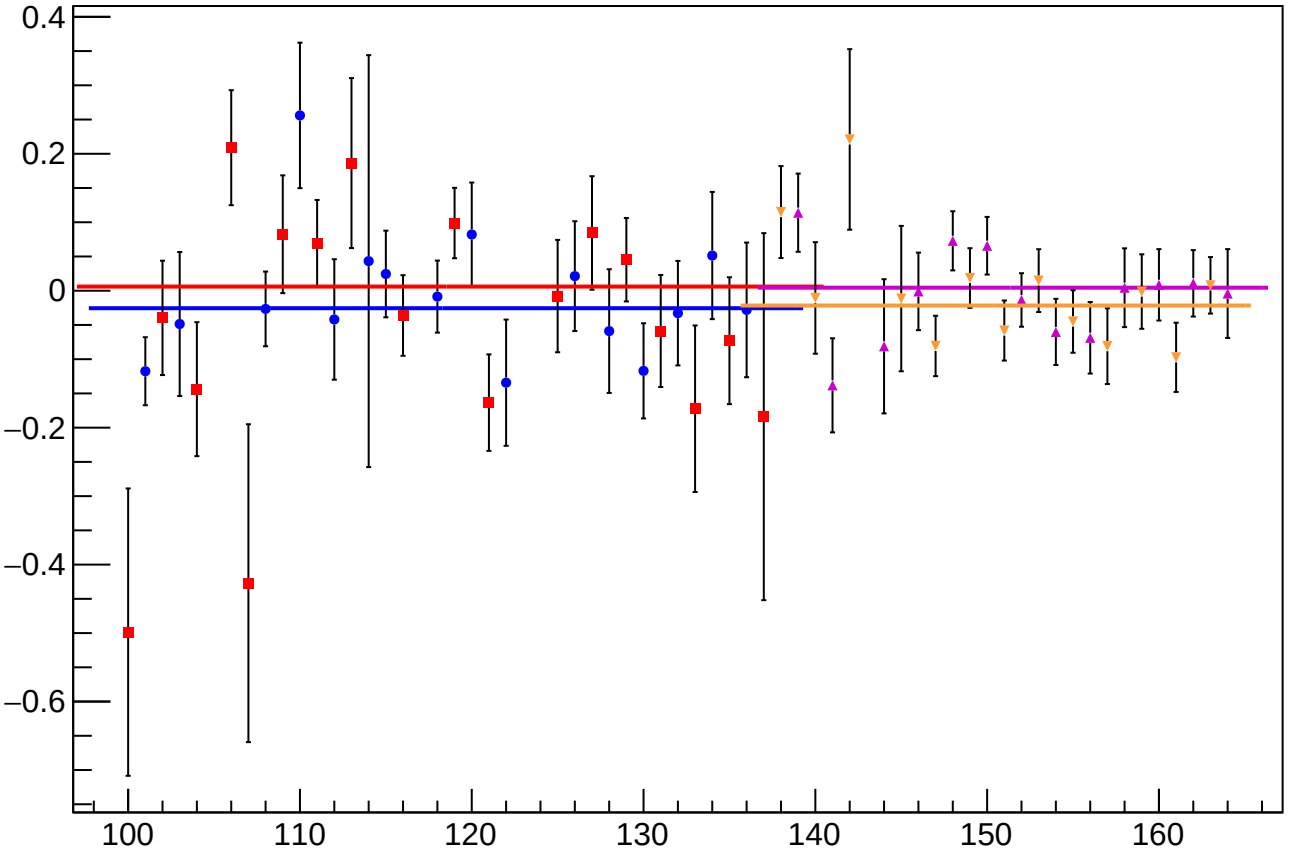
Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

\+ sign 43.892+/-0.008 χ^2/NDF: 2501669.6/28

All: 44.531+/-0.006 χ^2/NDF: 4615967.1/59

\- 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: -0.022+/-0.015 χ^2/NDF:15.8/12

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

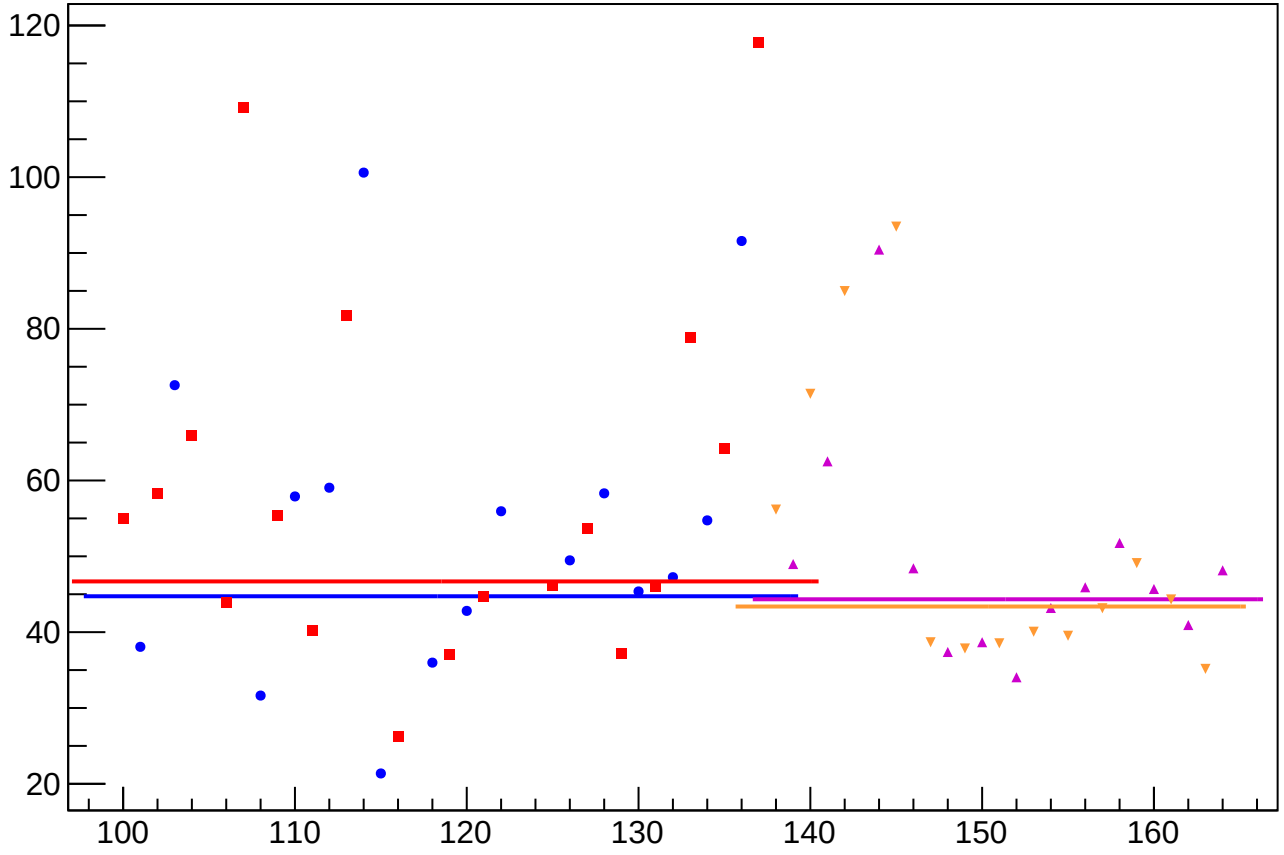
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/59

- 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: 43.381+/-0.010 χ^2/NDF:1160671.3/12

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

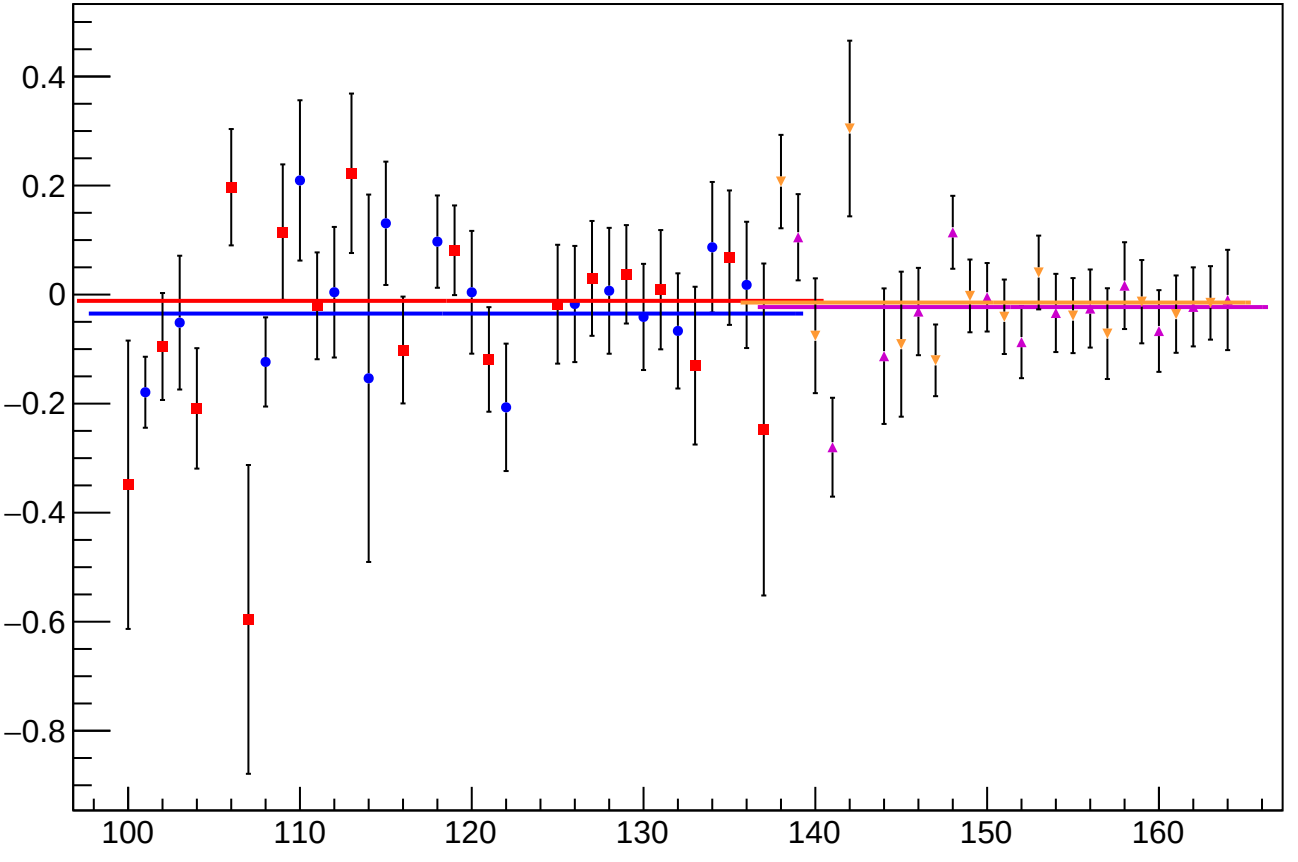
Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

+ sign 43.892+/-0.008 χ^2/NDF: 2501669.6/28

All: 44.531+/-0.006 χ^2/NDF: 4615967.1/59

- sign 45.173+/-0.008 χ^2/NDF: 2101993.7/30

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.022 χ^2/NDF:15.4/12

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

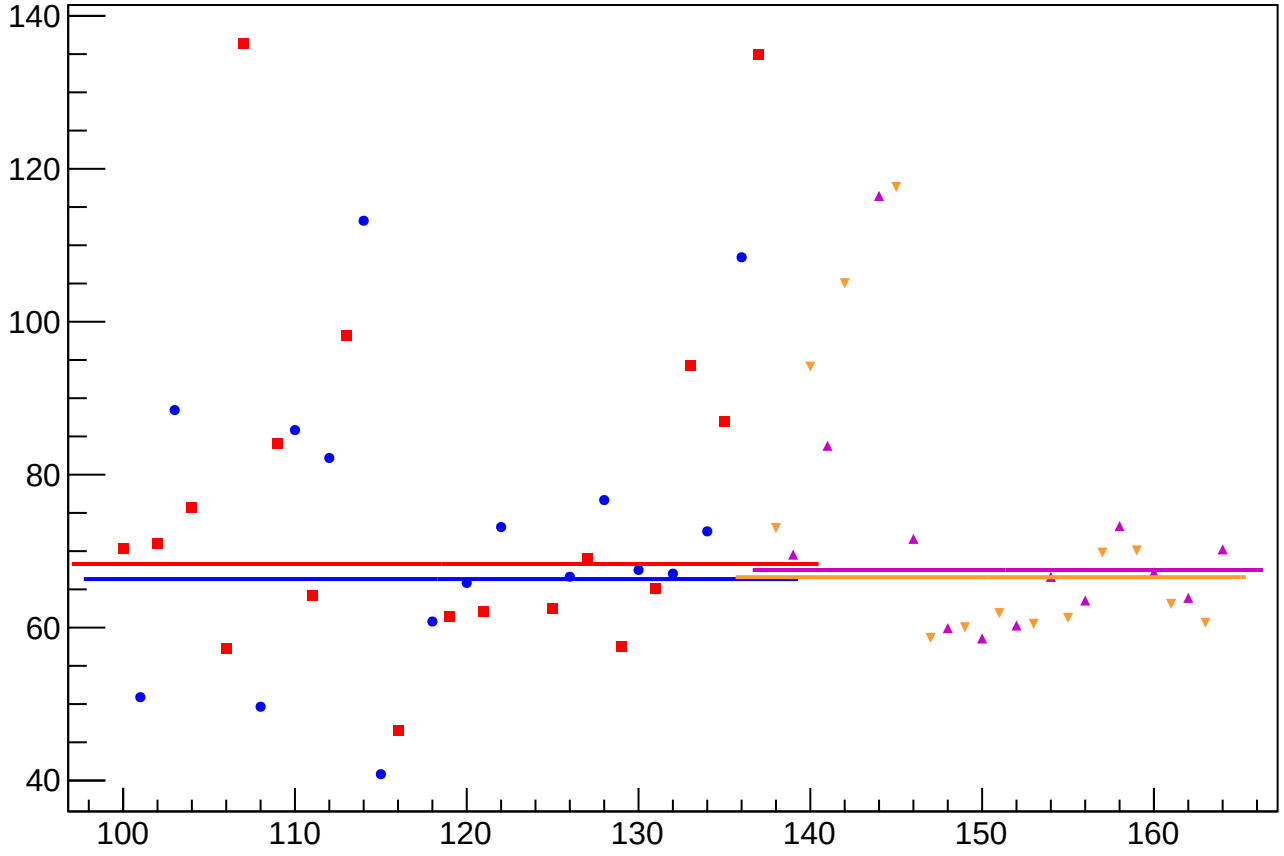
Left In: -0.023+/-0.021 χ^2/NDF:17.1/12

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/28

All: -0.021+/-0.012 χ^2/NDF: 73.2/59

- 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: 66.594+/-0.015 χ^2/NDF:670048.8/12

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

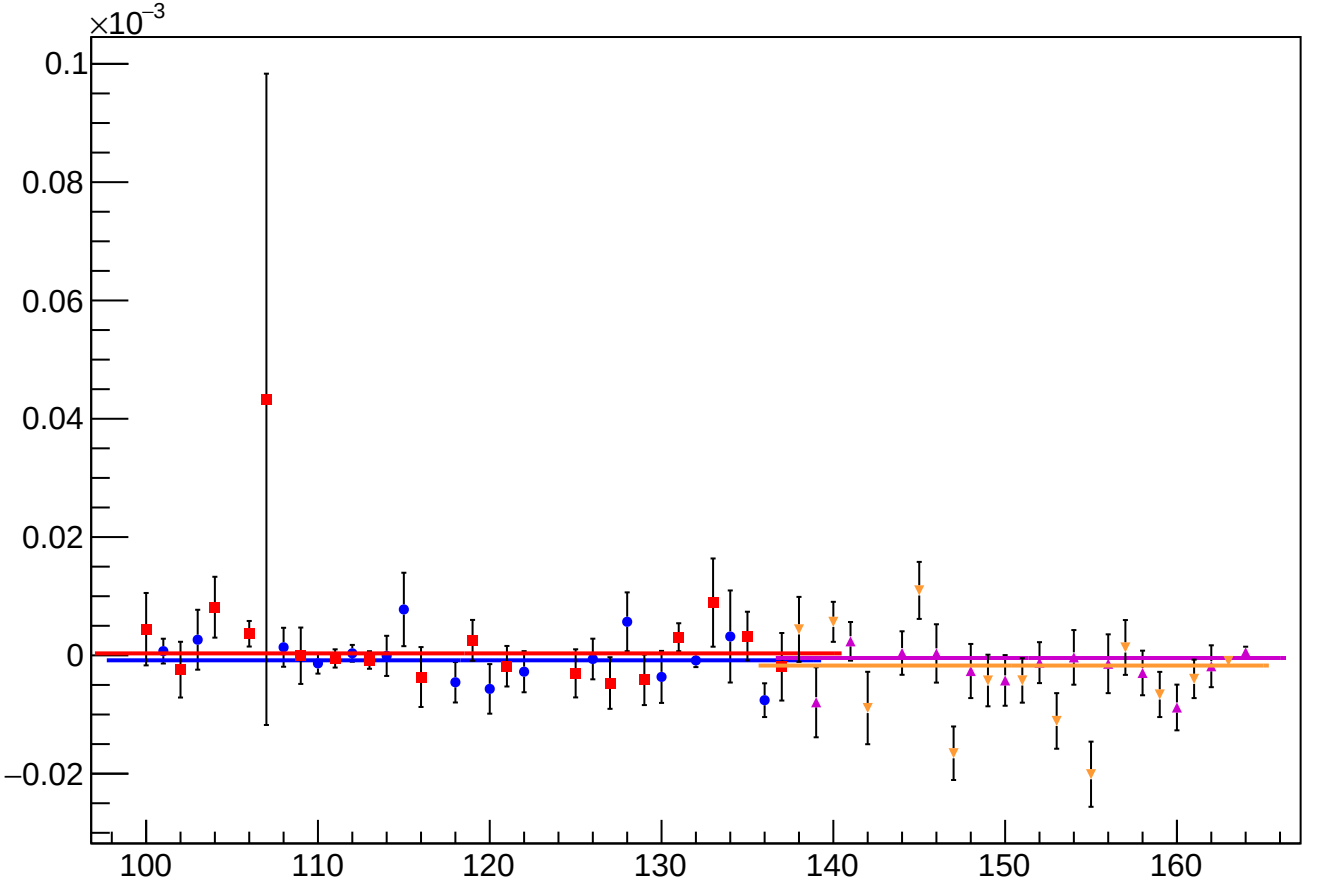
Left In: 67.534+/-0.015 χ^2/NDF:494734.1/12

+ sign 66.495+/-0.012 χ^2/NDF: 1442806.6/28

All: 67.166+/-0.008 χ^2/NDF: 2574754.3/59

- 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:44.5/12

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

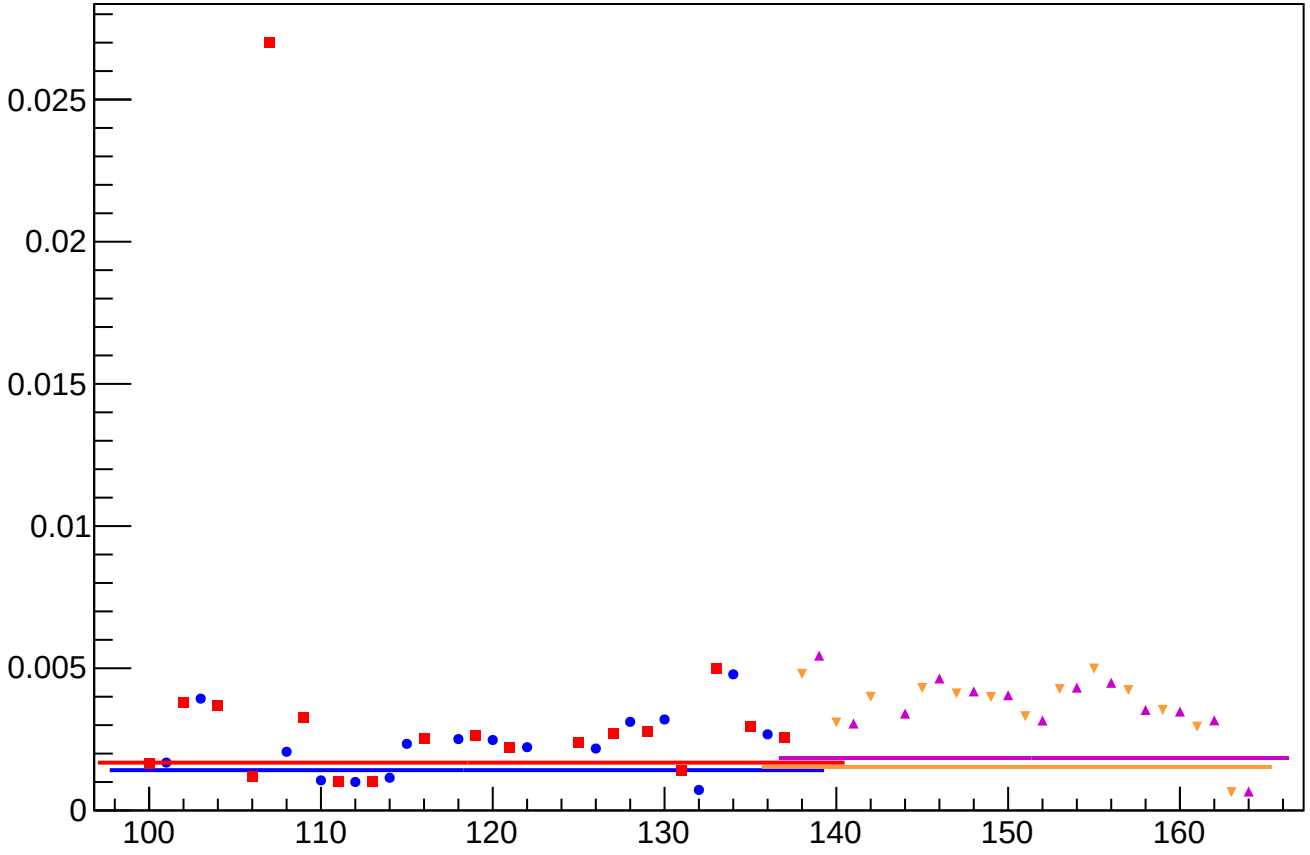
Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/28

All: -0.000+/-0.000 χ^2/NDF: 88.8/59

- 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:9502749.1/12

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

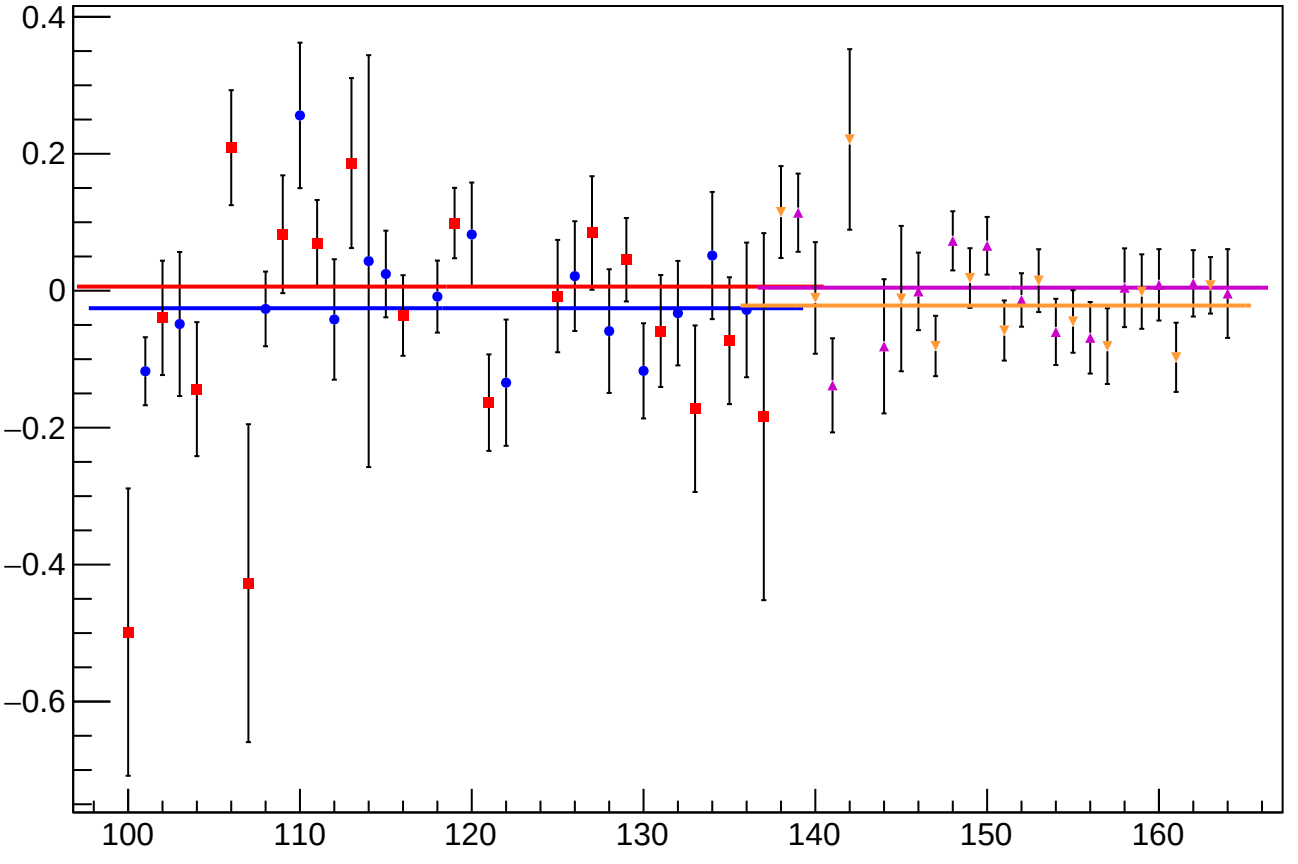
Left In: 0.002+/-0.000 χ^2/NDF:8726647.3/12

+ sign 0.001+/-0.000 χ^2/NDF: 13080745.6/28

All: 0.002+/-0.000 χ^2/NDF: 25650767.6/59

- 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: -0.022+/-0.015 χ^2/NDF:15.8/12

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

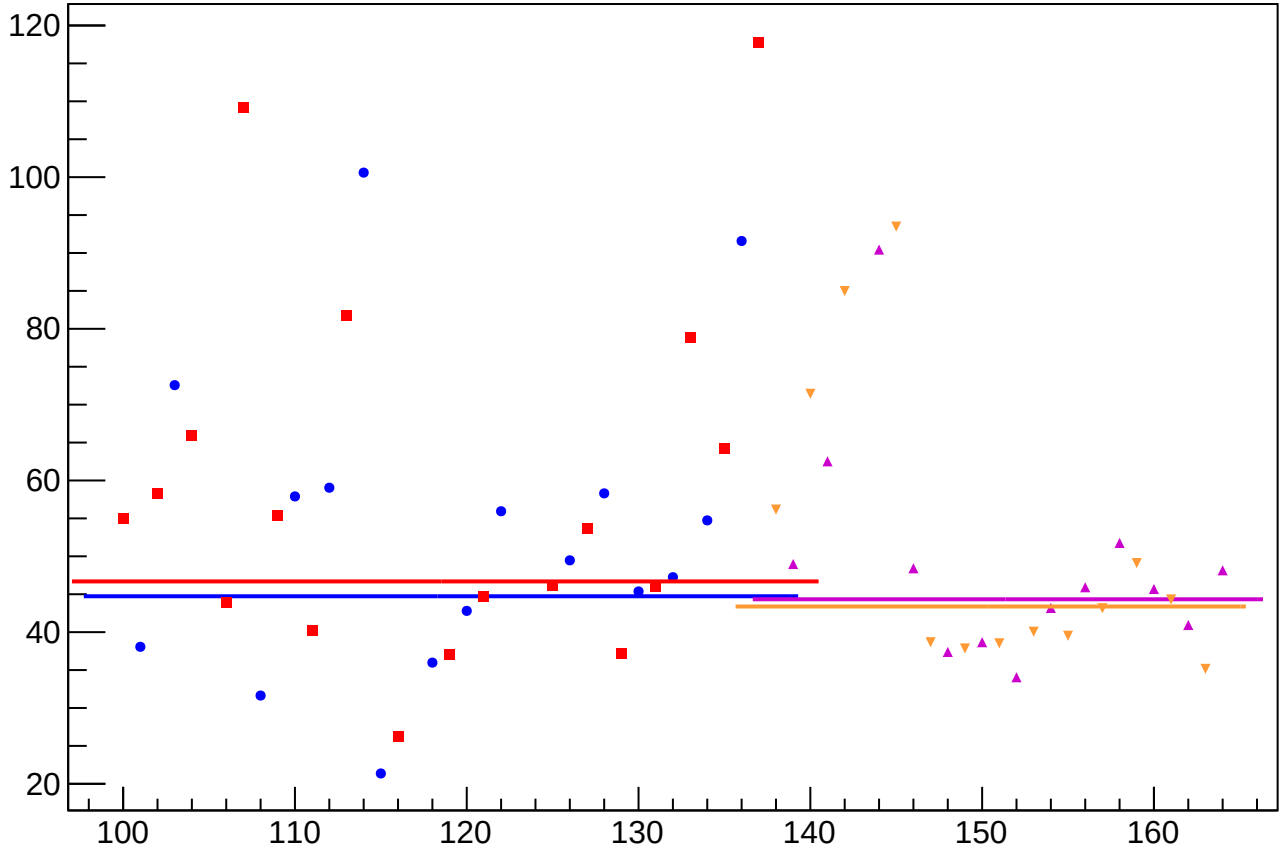
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/59

- 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: 43.382+/-0.010 χ^2/NDF:1160643.0/12

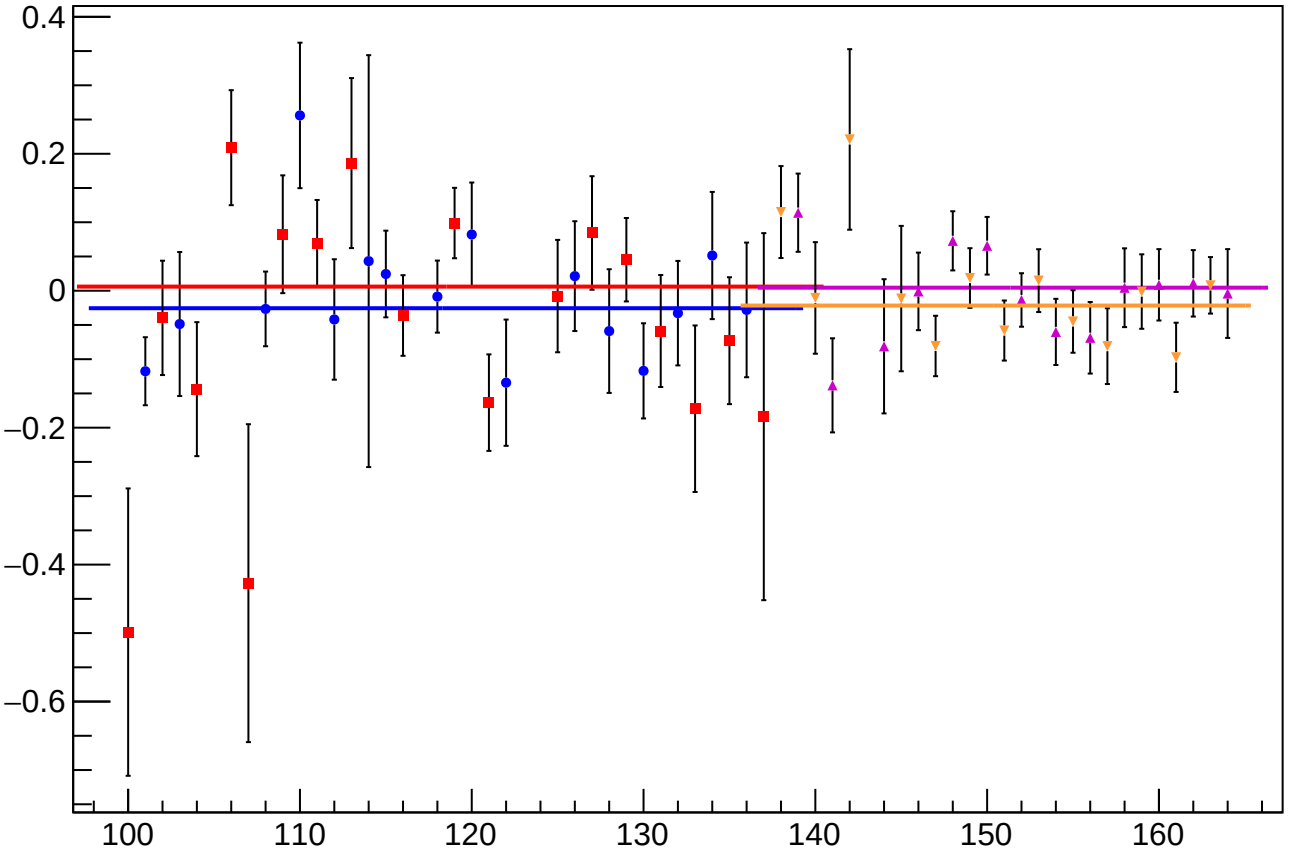
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

+ sign 43.892+/-0.008 χ^2/NDF: 2501692.4/28

All: 44.531+/-0.006 χ^2/NDF: 4615990.0/59

- 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: -0.022+/-0.015 χ^2/NDF:15.8/12

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

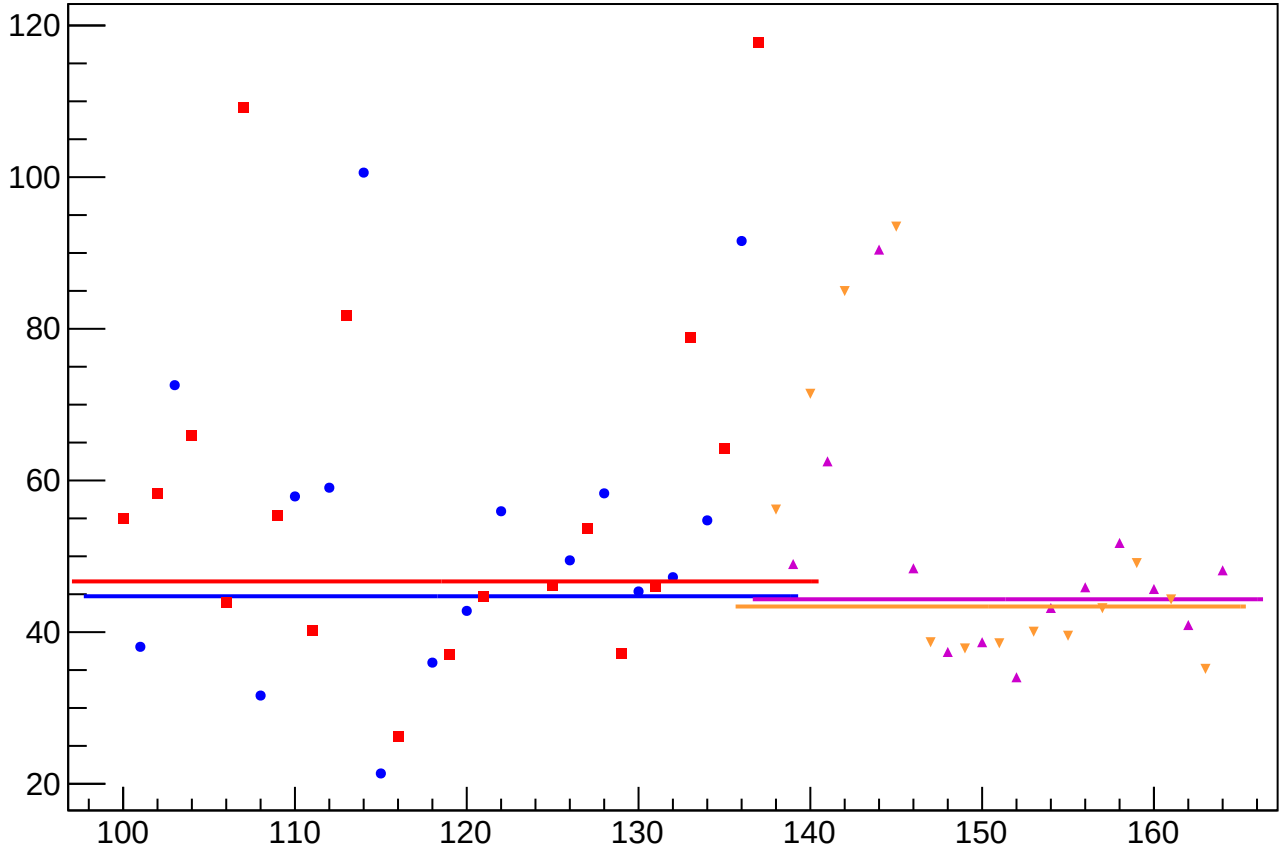
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/59

- 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: 43.382+/-0.010 χ^2/NDF:1160643.0/12

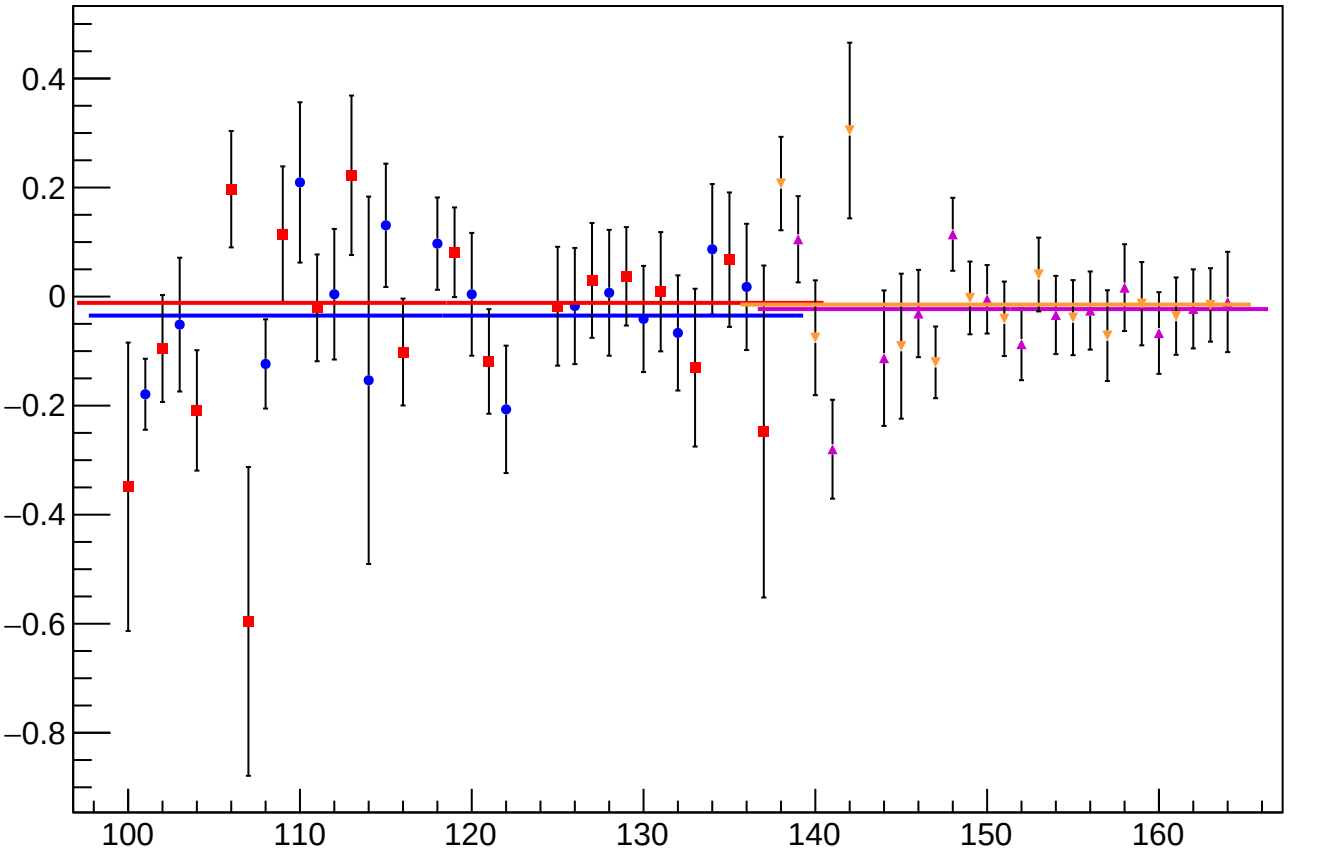
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

+ sign 43.892+/-0.008 χ^2/NDF: 2501692.4/28

All: 44.531+/-0.006 χ^2/NDF: 4615990.0/59

- 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: -0.015+/-0.022 χ^2/NDF:15.4/12

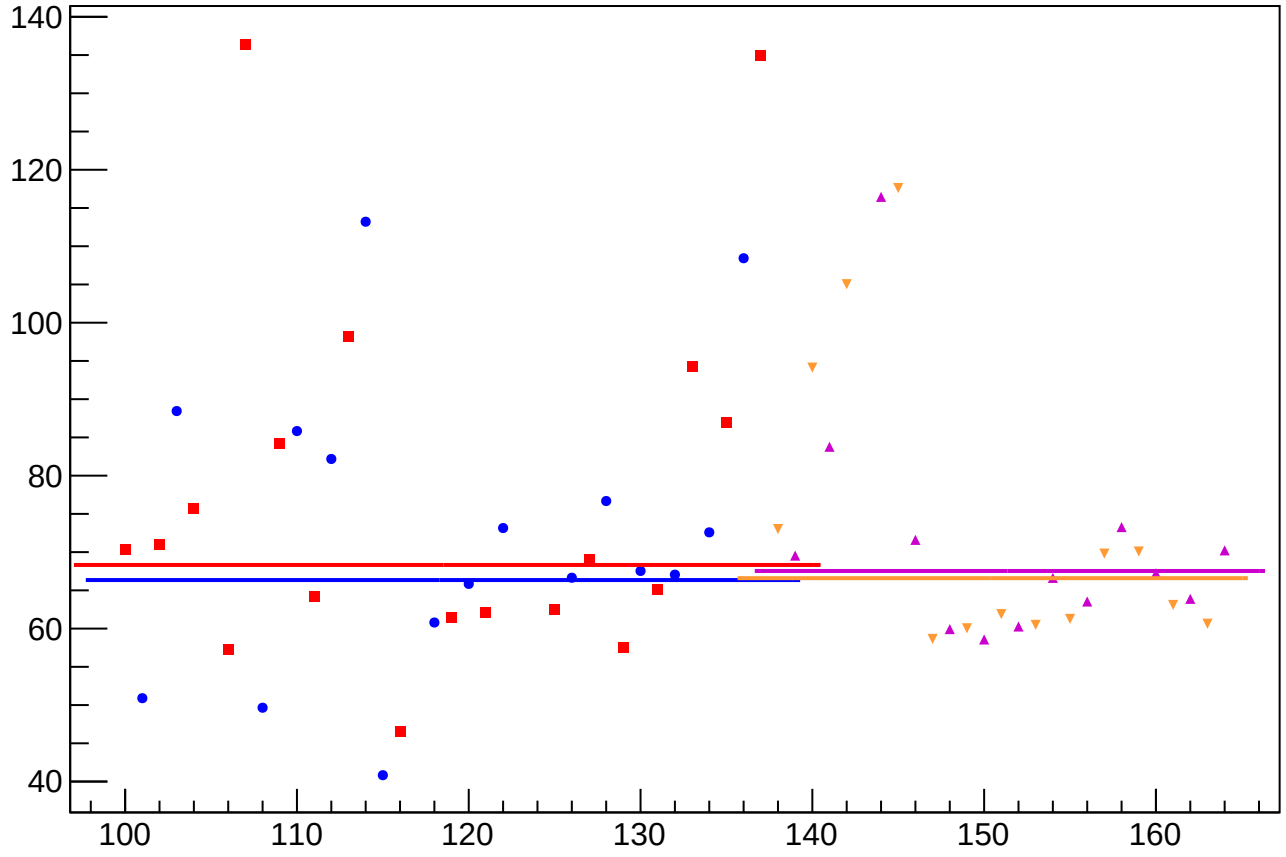
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.023+/-0.021 χ^2/NDF:17.1/12

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/28

All: -0.021+/-0.012 χ^2/NDF: 73.2/59

- sign -0.019+/-0.017 χ^2/NDF: 39.9/30



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

Left Out: 66.594+/-0.015 χ^2/NDF:670036.3/12

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

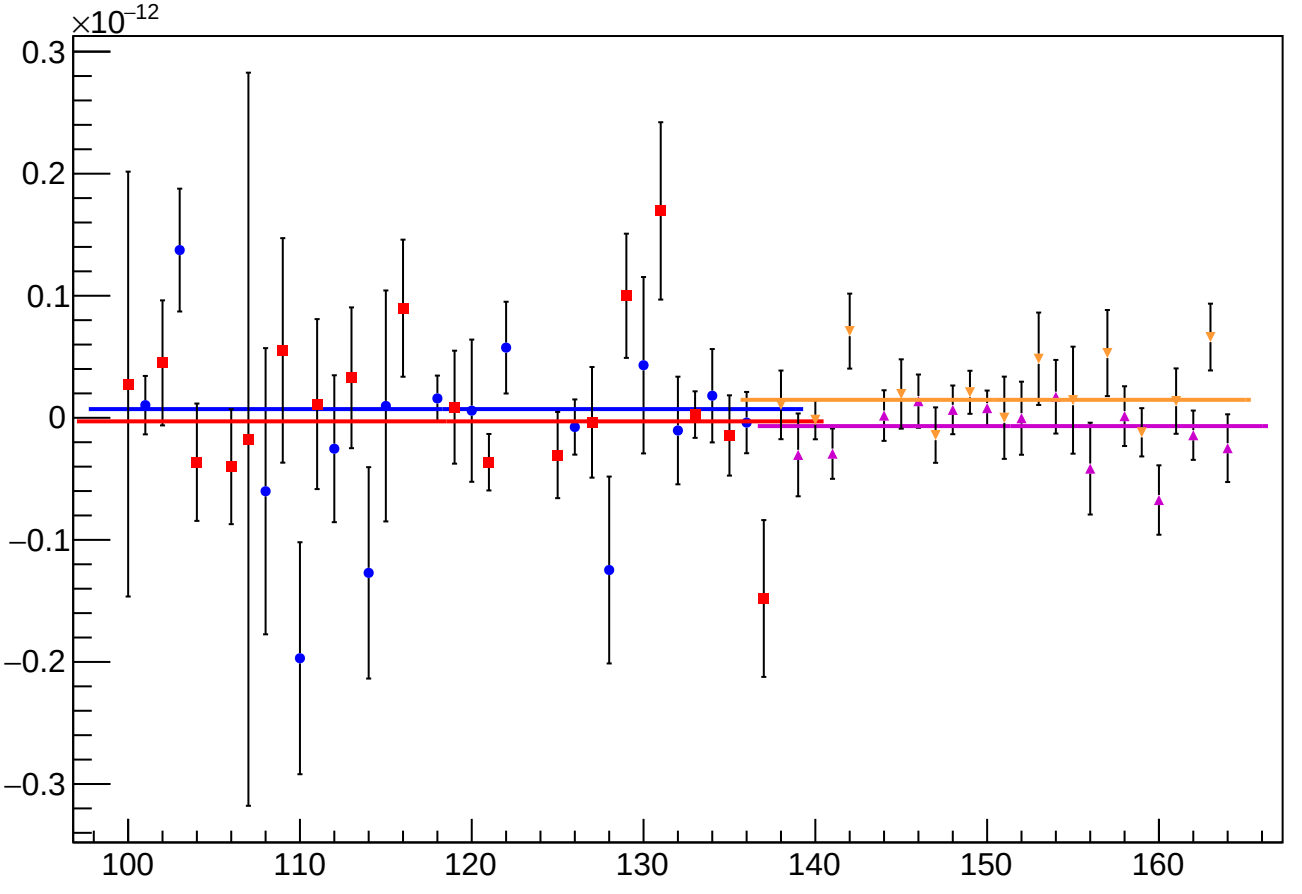
Left In: 67.534+/-0.015 χ^2/NDF:494726.2/12

\+ sign 66.495+/-0.012 χ^2/NDF: 1442801.8/28

All: 67.166+/-0.008 χ^2/NDF: 2574734.4/59

\- sign 67.834+/-0.012 χ^2/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:13.7/12

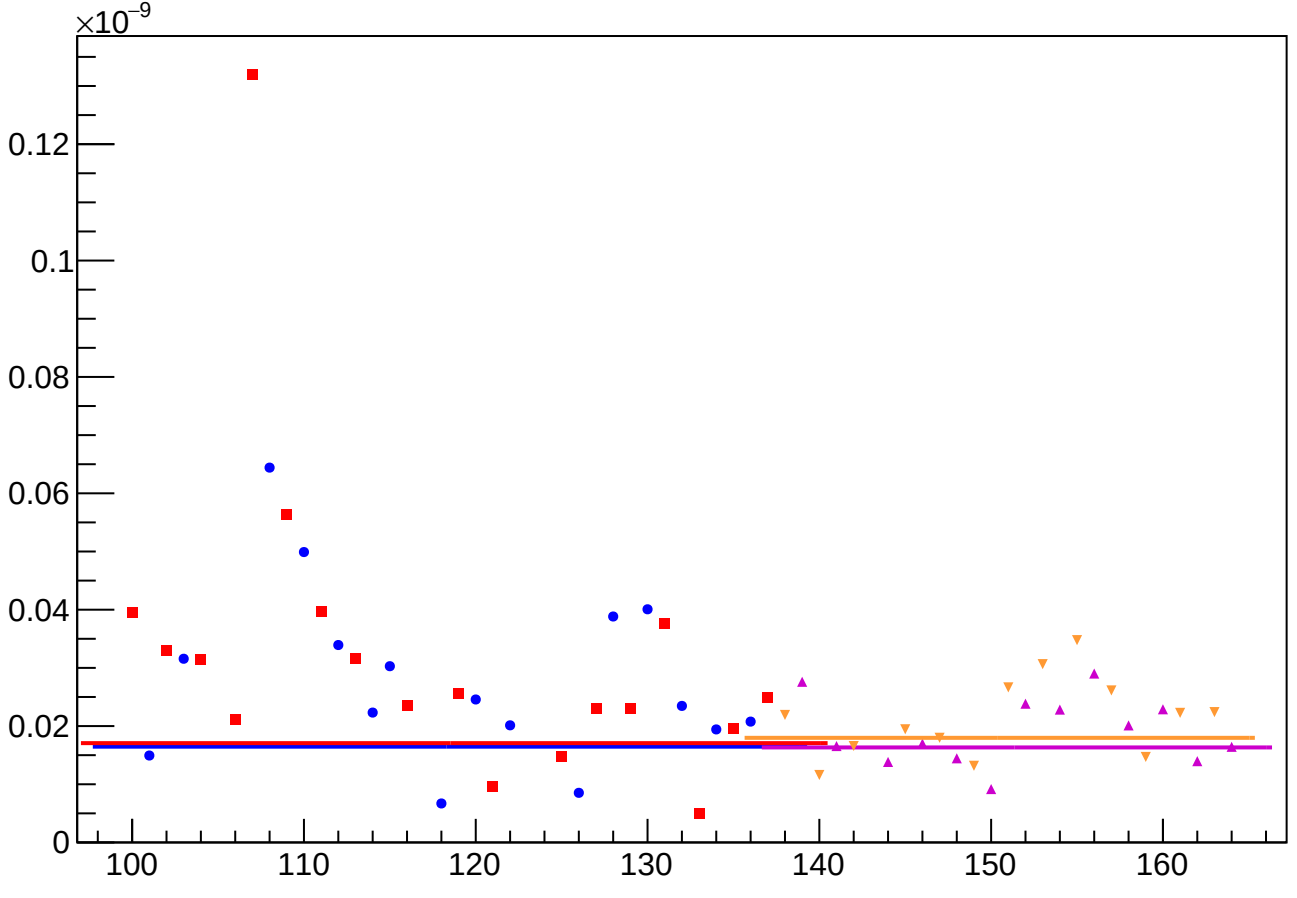
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/28

All: 0.000+/-0.000 χ^2/NDF: 74.3/59

- sign -0.000+/-0.000 χ^2/NDF: 34.4/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:1432643.3/12

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

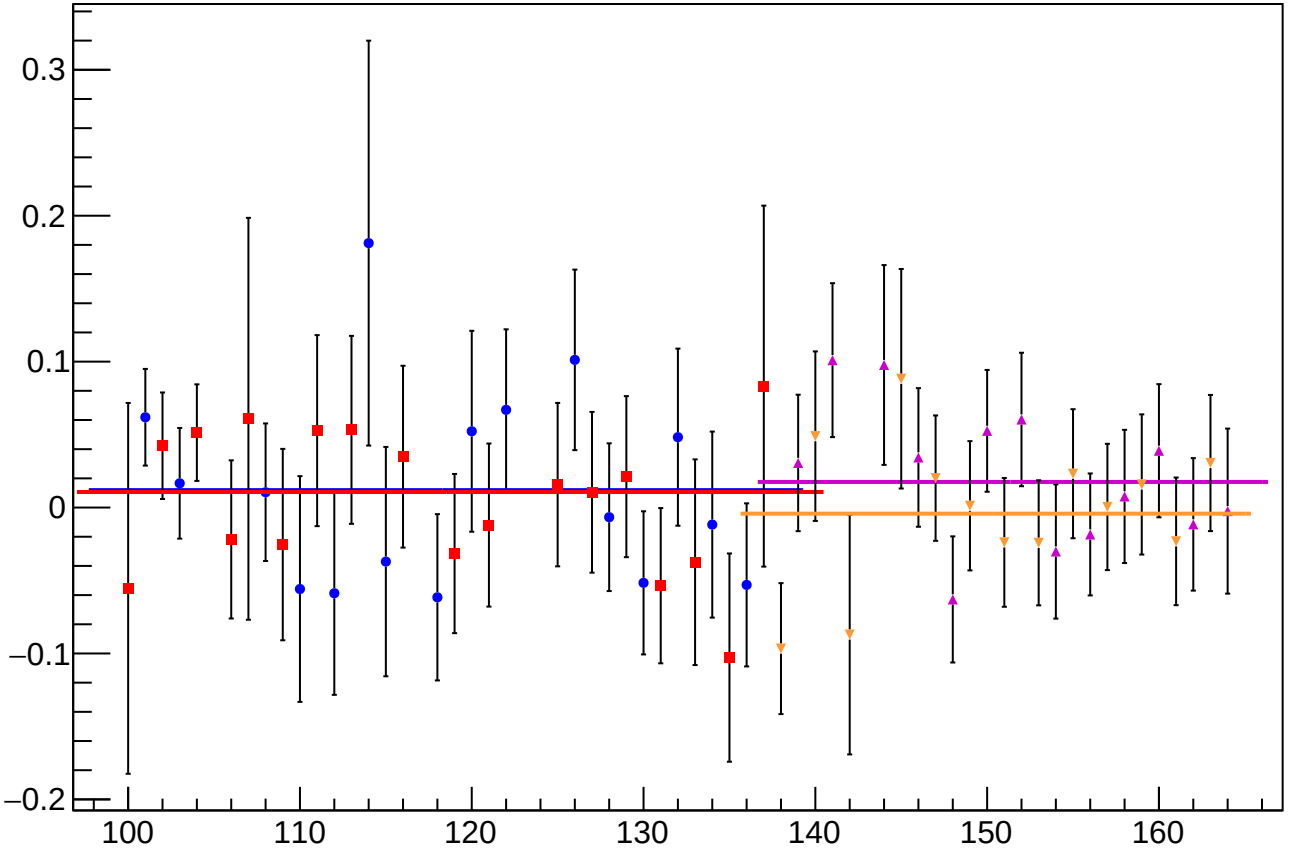
Left In: 0.000+/-0.000 χ^2/NDF:1392768.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3813301.0/28

All: 0.000+/-0.000 χ^2/NDF: 8031687.2/59

- 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: -0.004+/-0.013 χ^2/NDF:9.7/12

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

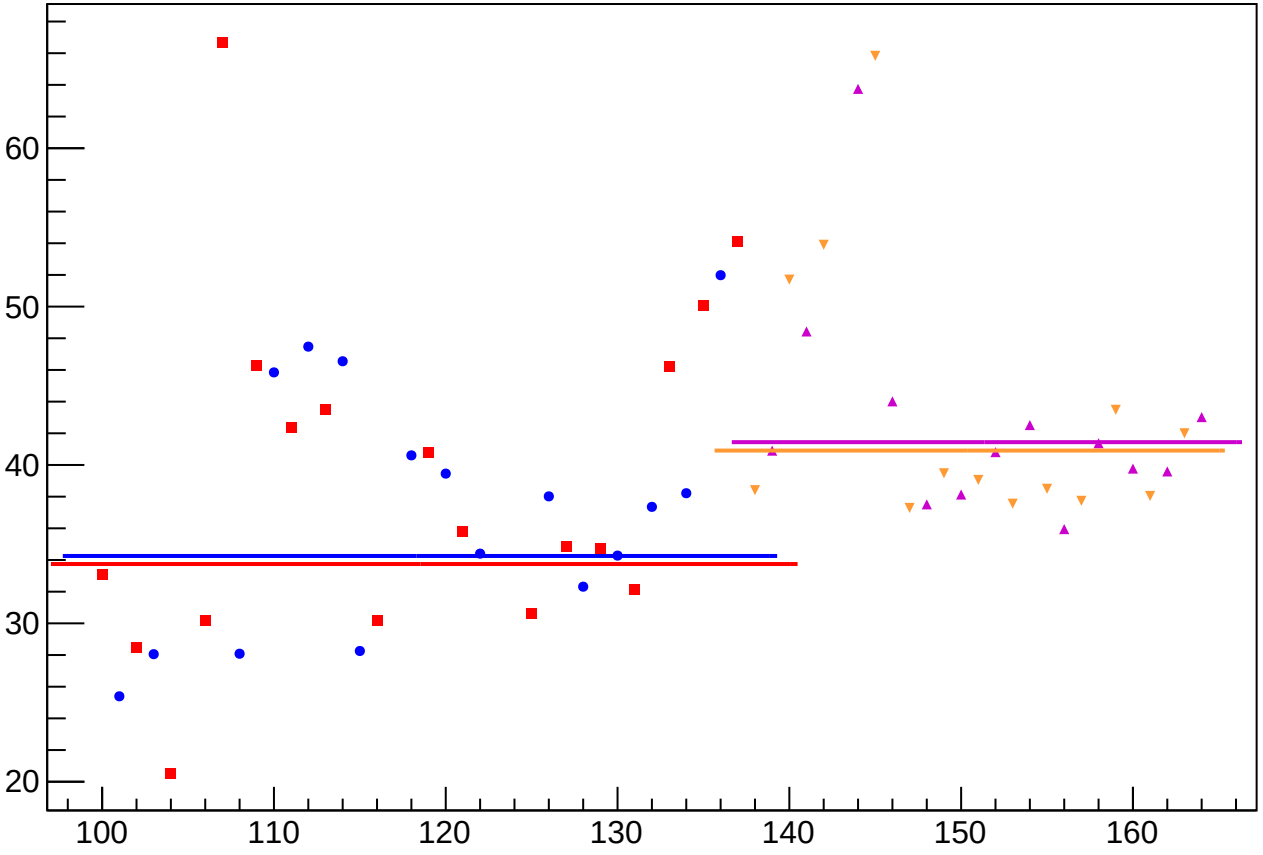
Left In: 0.018+/-0.013 χ^2/NDF:11.7/12

+ sign 0.004+/-0.009 χ^2/NDF: 25.1/28

All: 0.009+/-0.007 χ^2/NDF: 47.5/59

- 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: 40.910+/-0.009 χ^2/NDF:409052.3/12

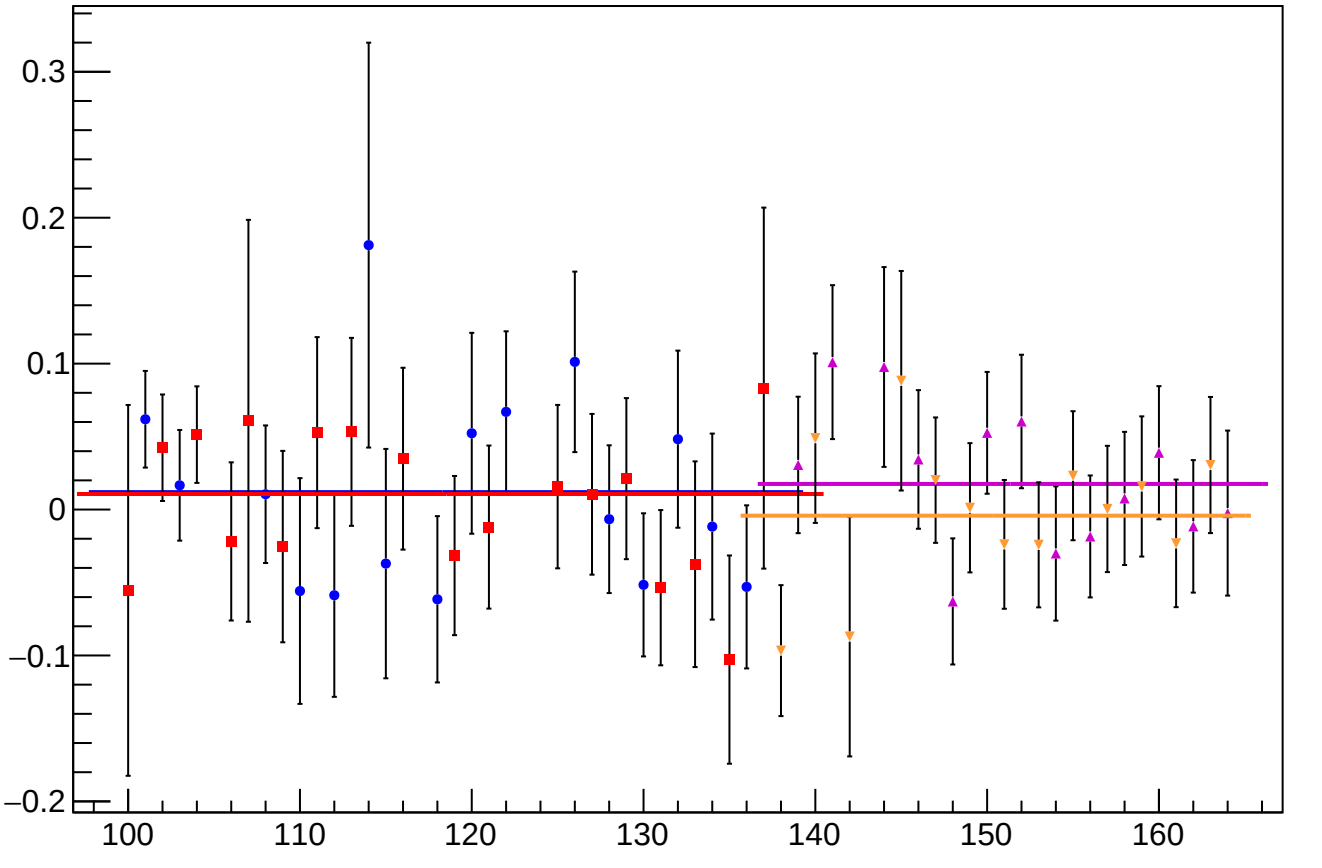
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

\+ sign 37.670+/-0.007 χ^2/NDF: 1290422.9/28

All: 37.688+/-0.005 χ^2/NDF: 2865720.3/59

\- 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: -0.004+/-0.013 χ^2/NDF:9.7/12

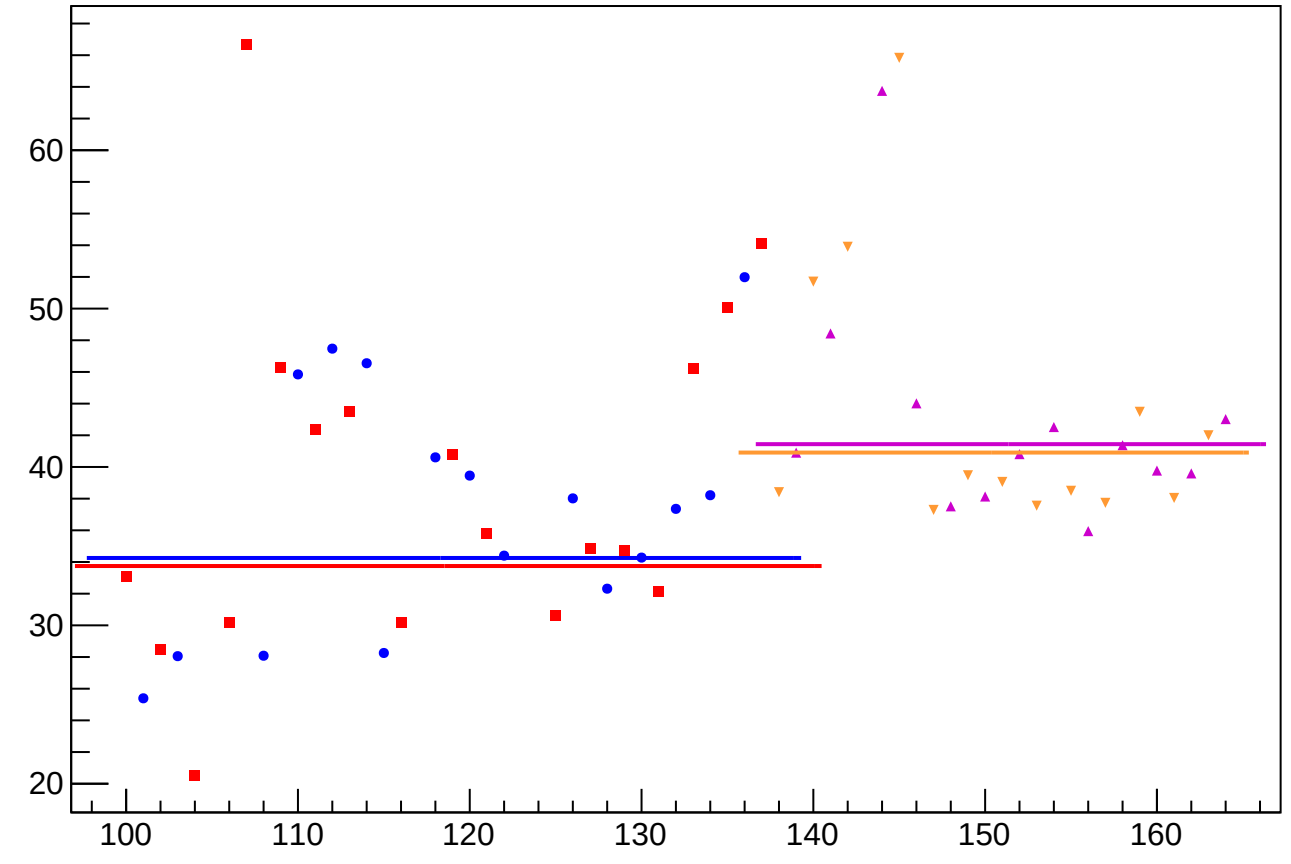
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.018+/-0.013 χ^2/NDF:11.7/12

+ sign 0.004+/-0.009 χ^2/NDF: 25.1/28

All: 0.009+/-0.007 χ^2/NDF: 47.5/59

- sign 0.014+/-0.009 χ^2/NDF: 21.8/30



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.910+/-0.009 χ^2/NDF:409052.3/12

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

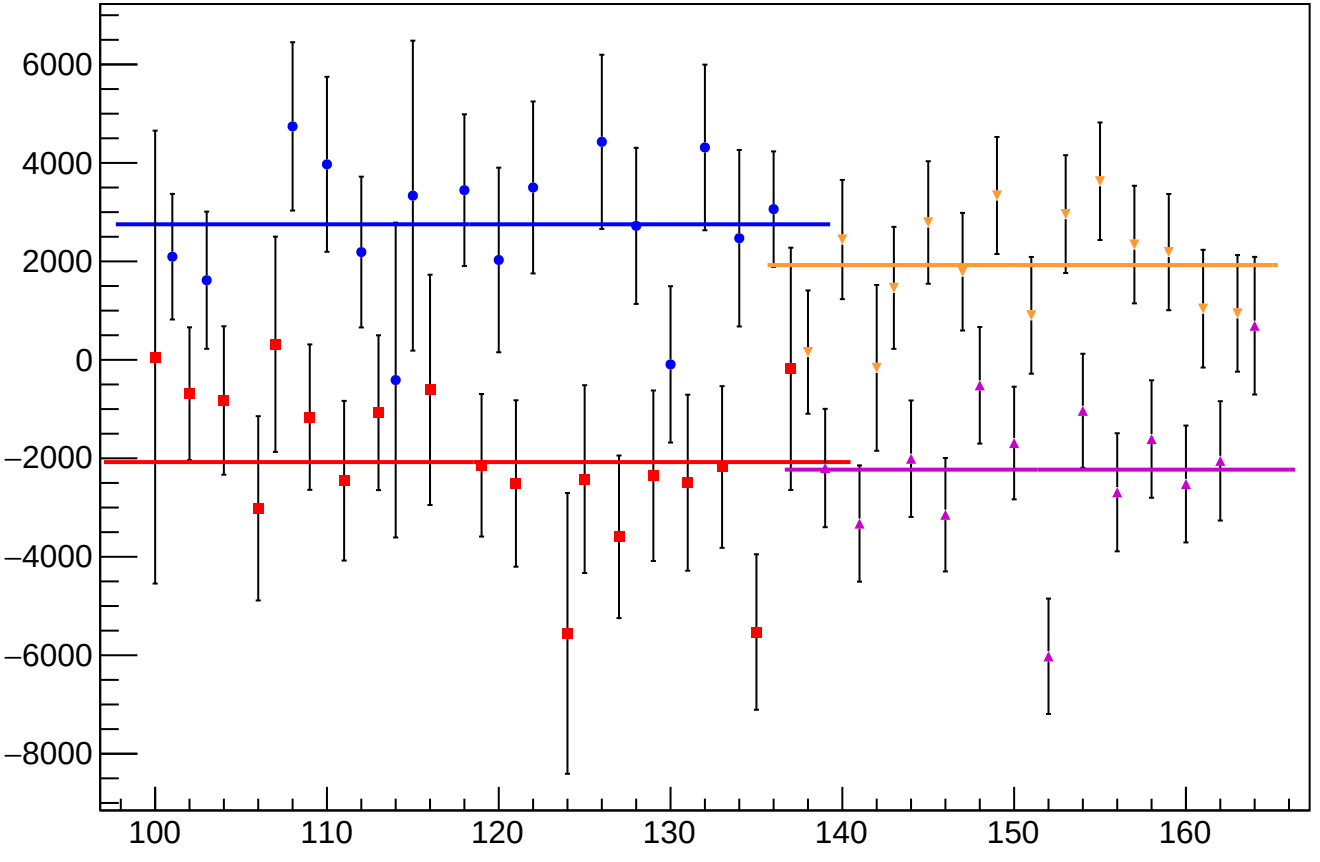
Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

+ sign 37.670+/-0.007 χ^2/NDF: 1290422.9/28

All: 37.688+/-0.005 χ^2/NDF: 2865720.3/59

- sign 37.705+/-0.007 χ^2/NDF: 1575283.7/30

reg_asym_usr_mean vs Slug



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

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

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

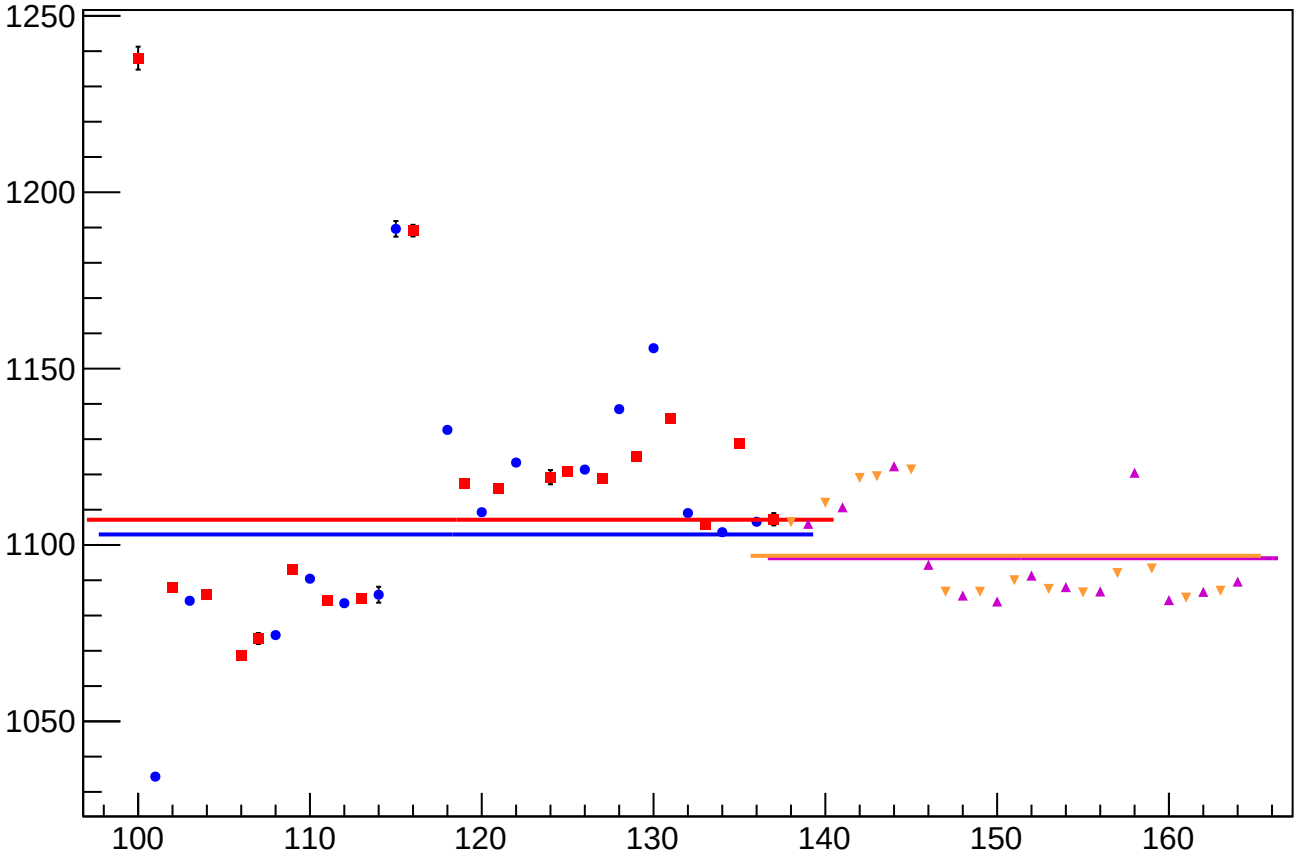
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2248.307+/-255.876 χ^2/NDF: 22.7/29

All: 40.920+/-180.968 χ^2/NDF: 204.4/61

- 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: 1096.940+/-0.232 χ^2/NDF:3227.7/13

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

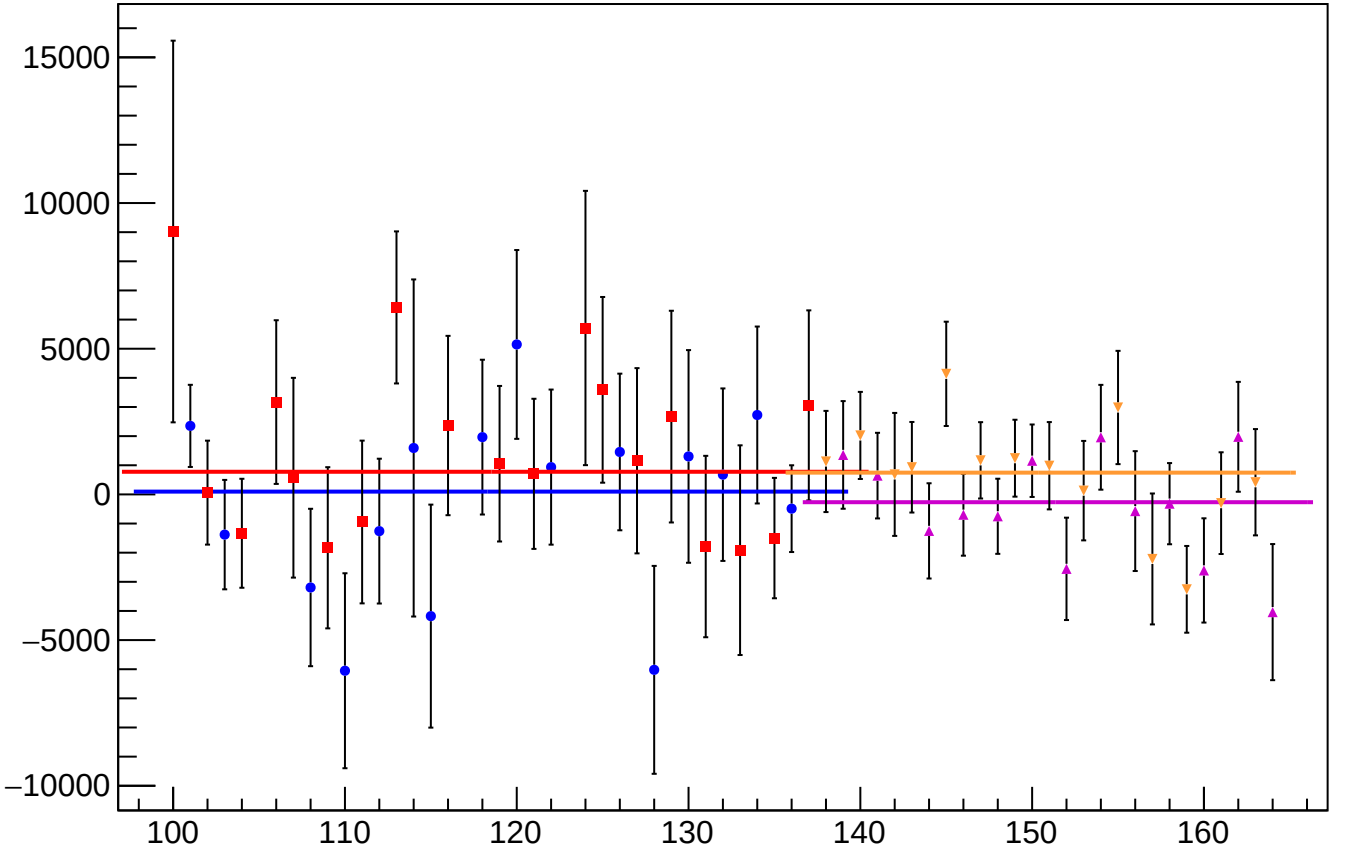
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61

- 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: 746.898+/-437.741 χ^2/NDF:15.5/13

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

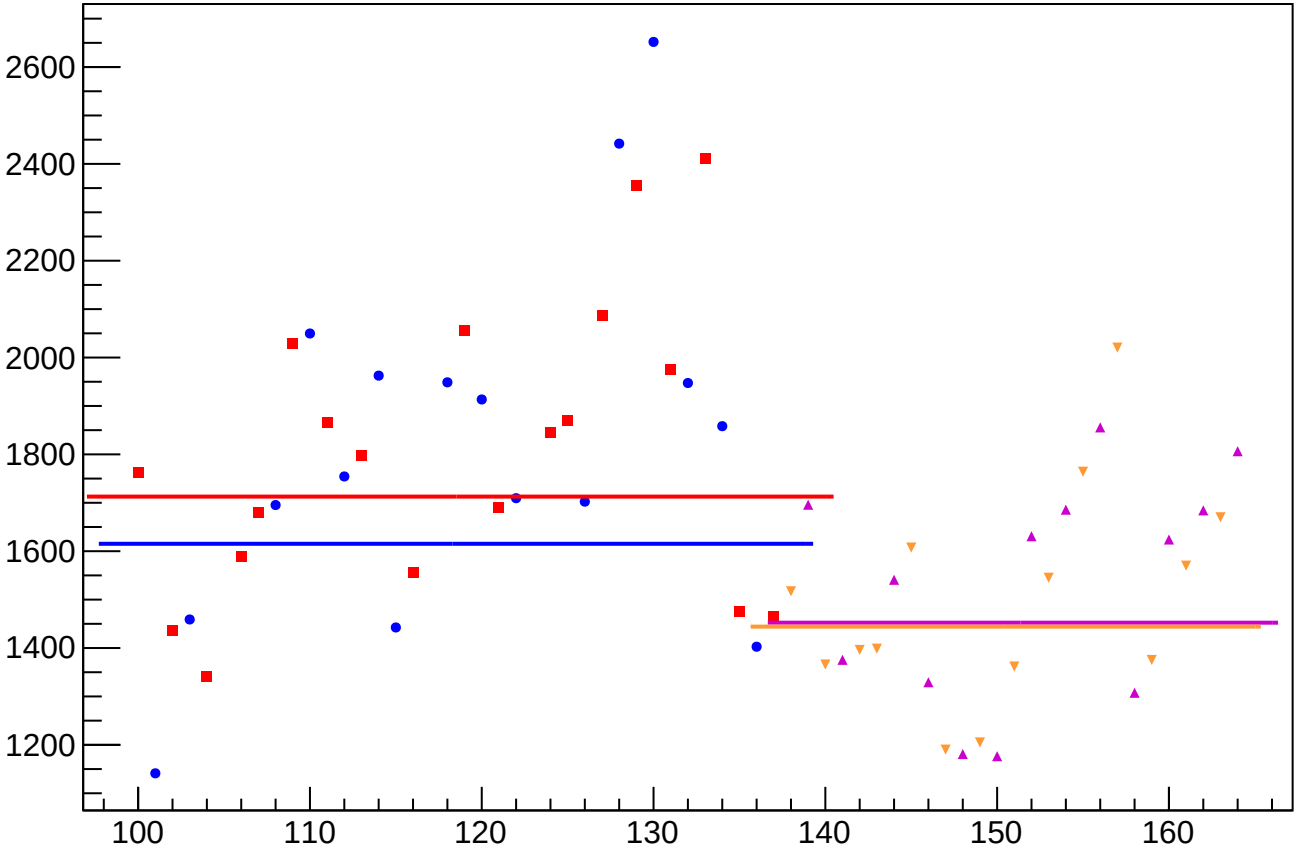
Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 307.125+/-255.259 χ^2/NDF: 62.9/61

- sign 75.162+/-364.876 χ^2/NDF: 28.9/31

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

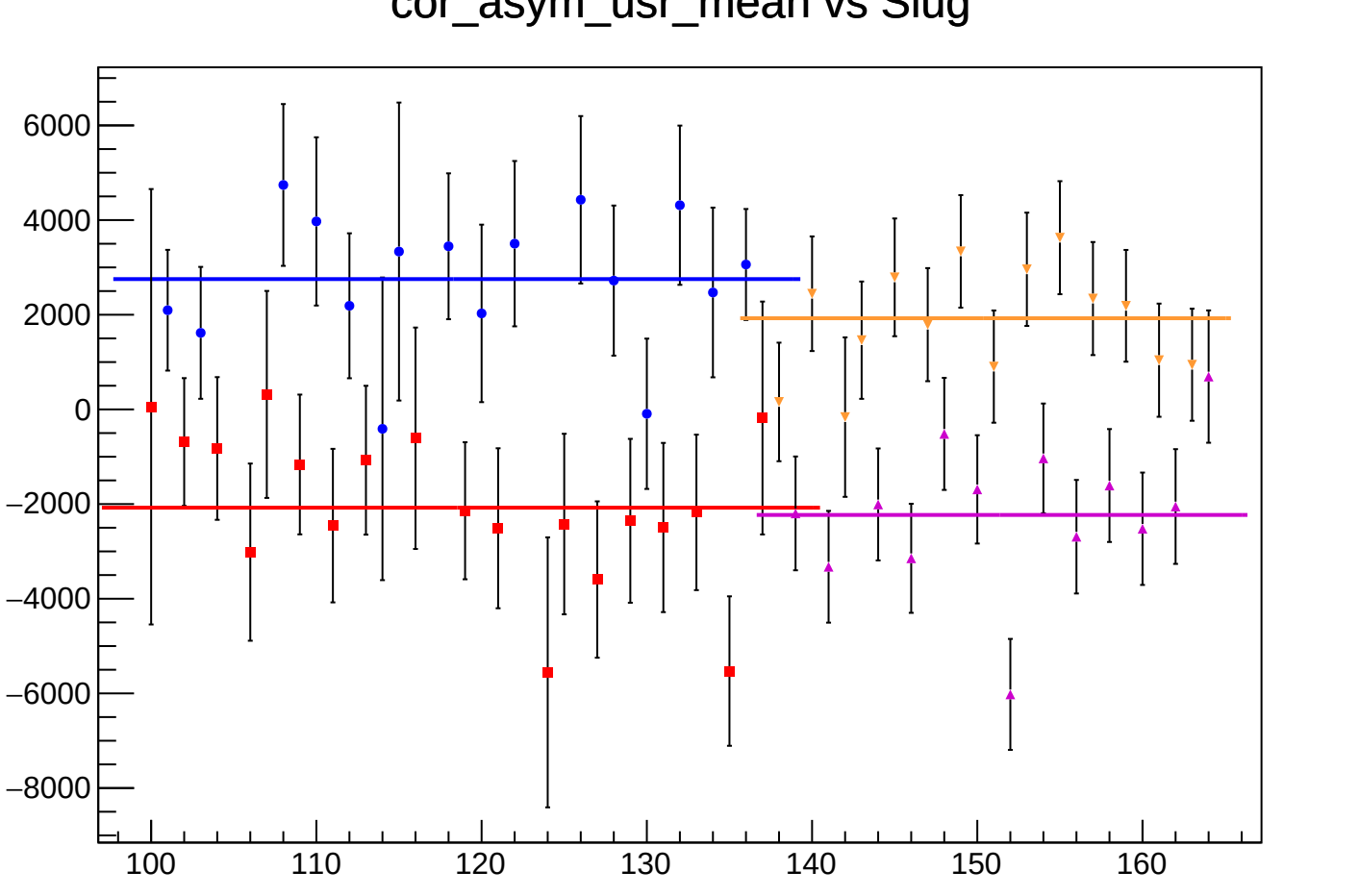
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61

- sign 1537.810+/-0.258 χ^2/NDF: 1148686.5/31



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

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

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

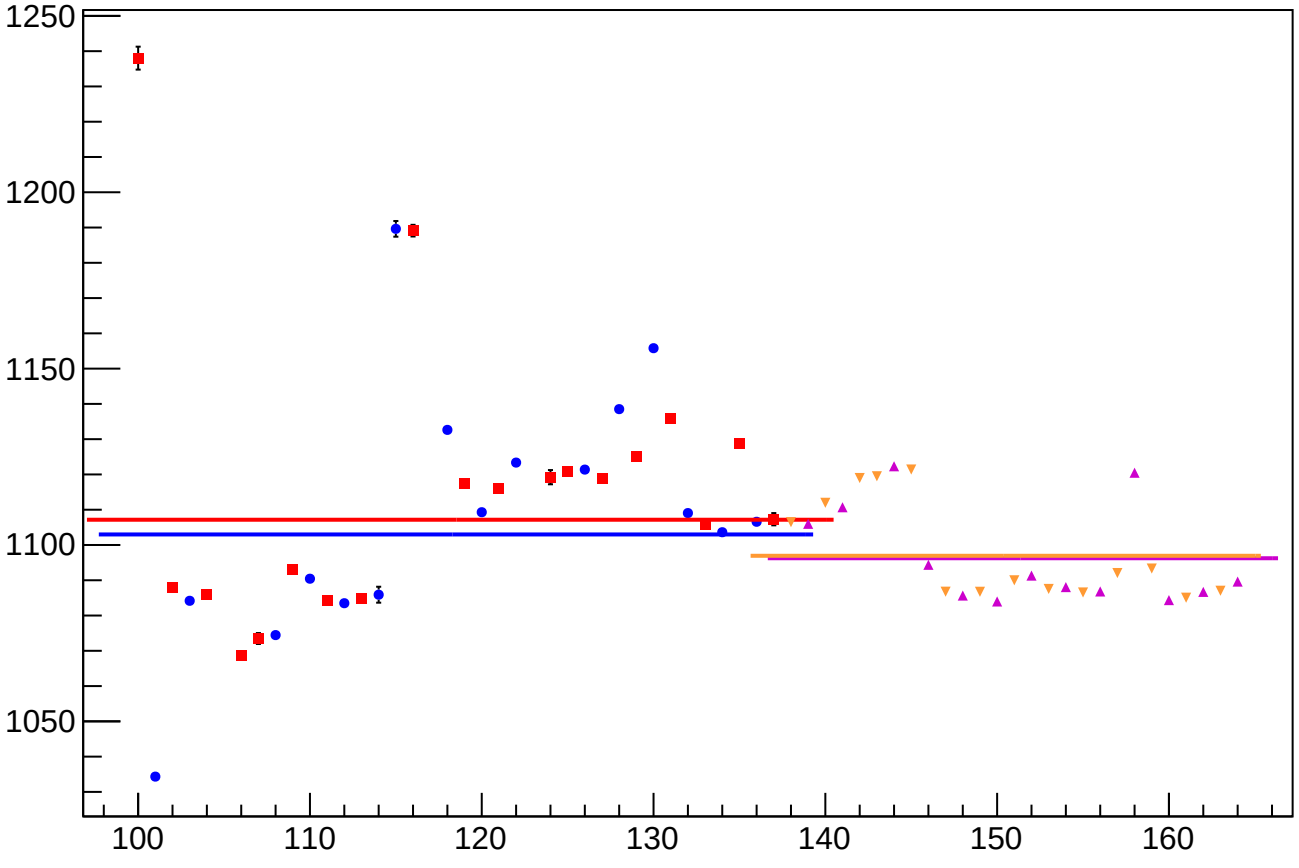
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2248.307+/-255.876 χ^2/NDF: 22.7/29

All: 40.920+/-180.968 χ^2/NDF: 204.4/61

- 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: 1096.940+/-0.232 χ^2/NDF:3227.7/13

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

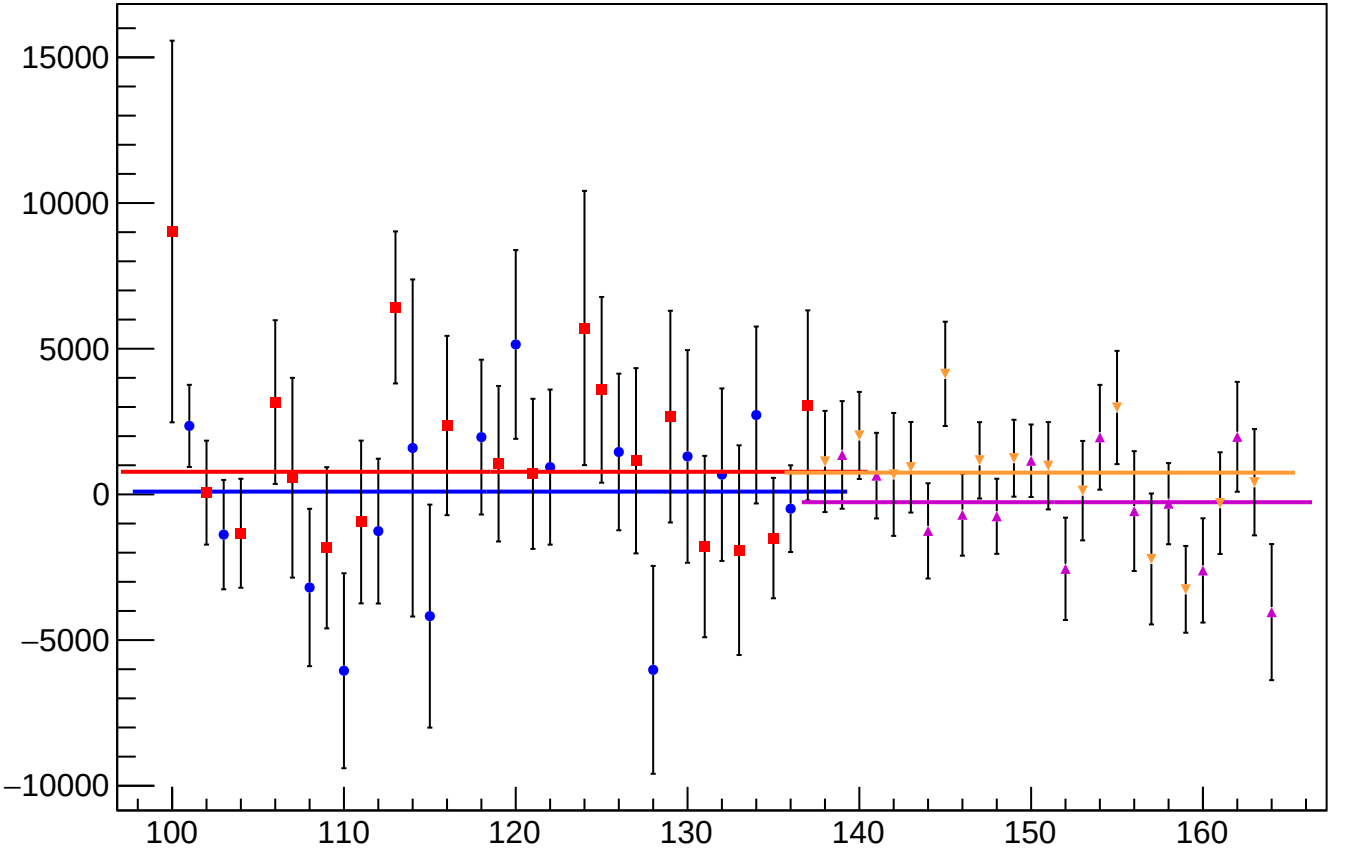
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61

- 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: 746.898+/-437.741 χ^2/NDF:15.5/13

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

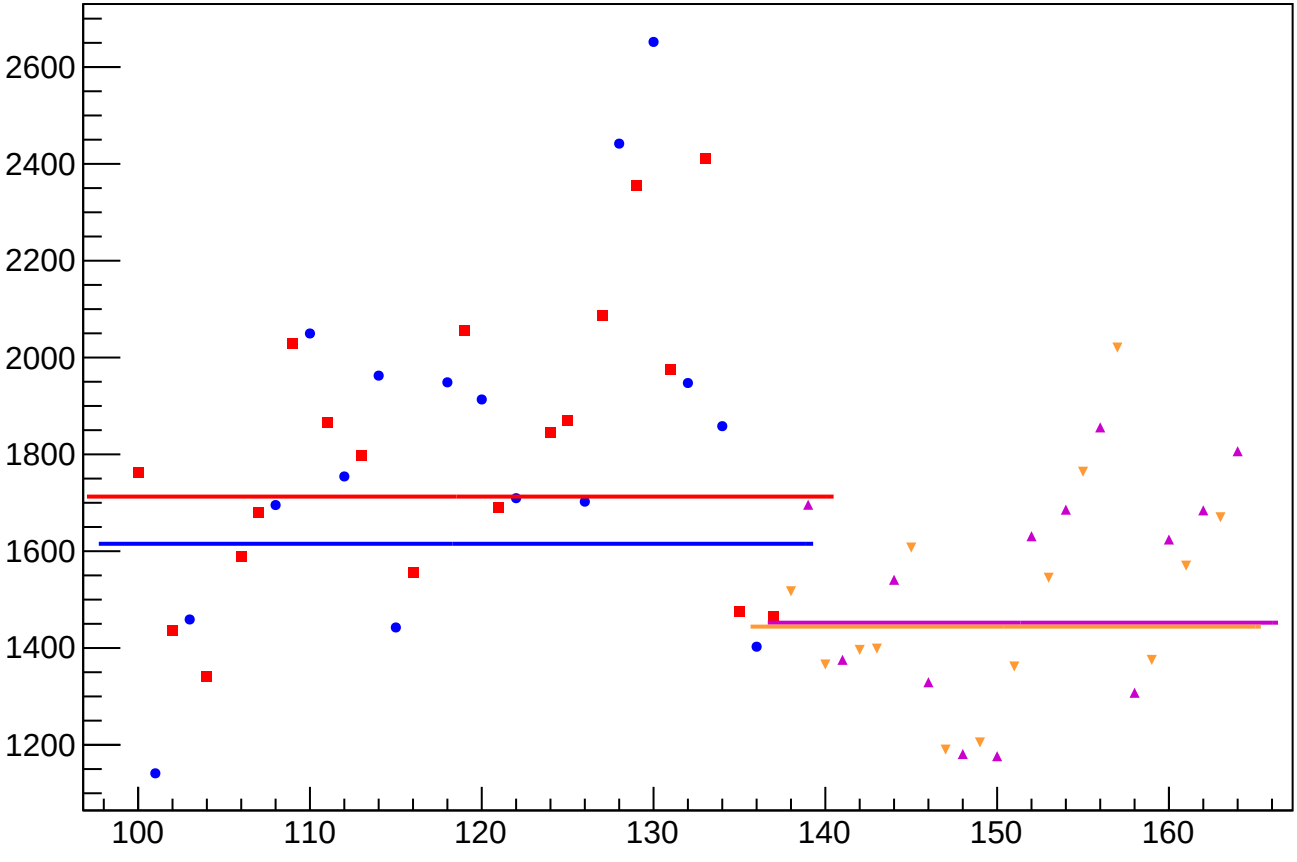
Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 307.125+/-255.259 χ^2/NDF: 62.9/61

- 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: 1444.199+/-0.310 χ^2/NDF:413559.6/13

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

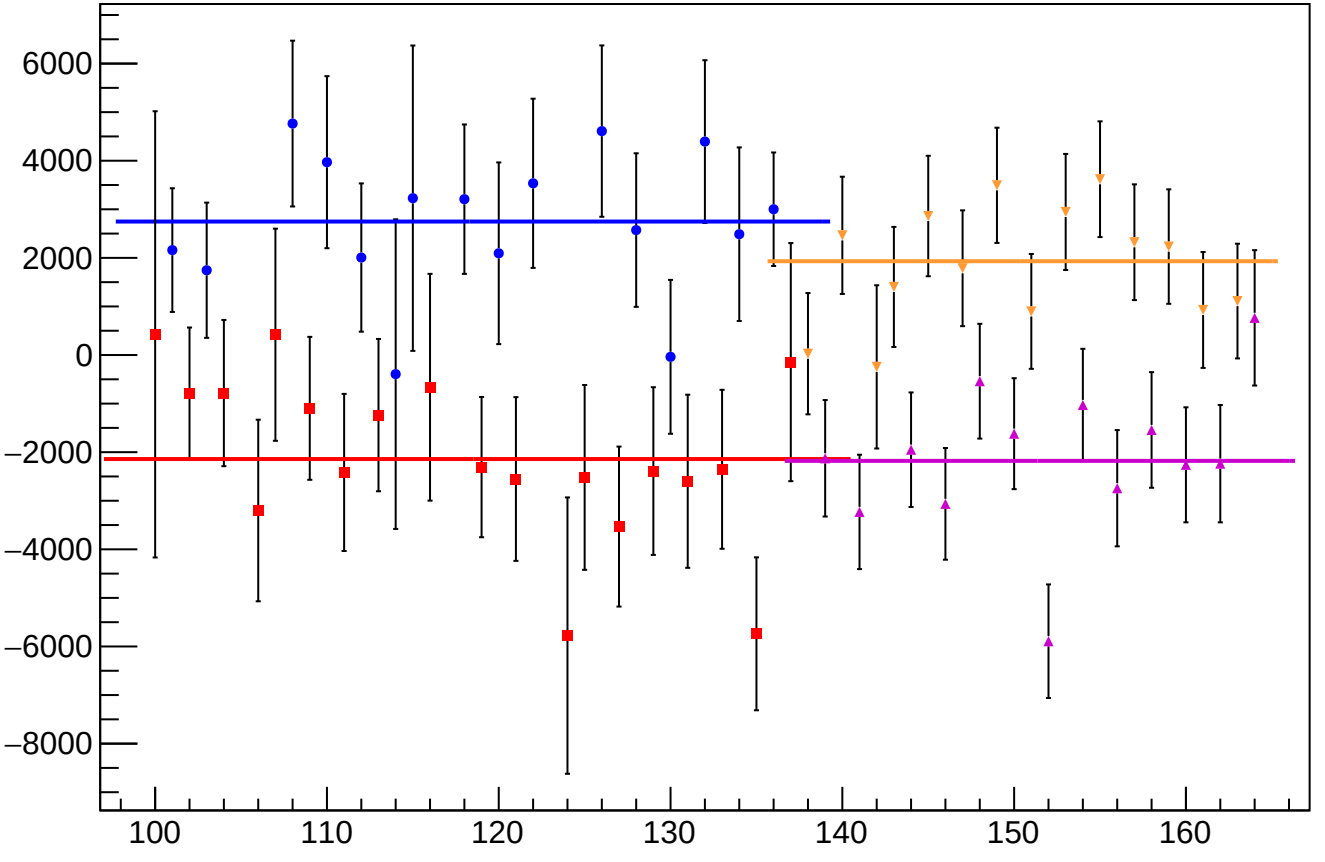
Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61

- 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: 1931.453+/-326.712 χ^2/NDF:11.6/13

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

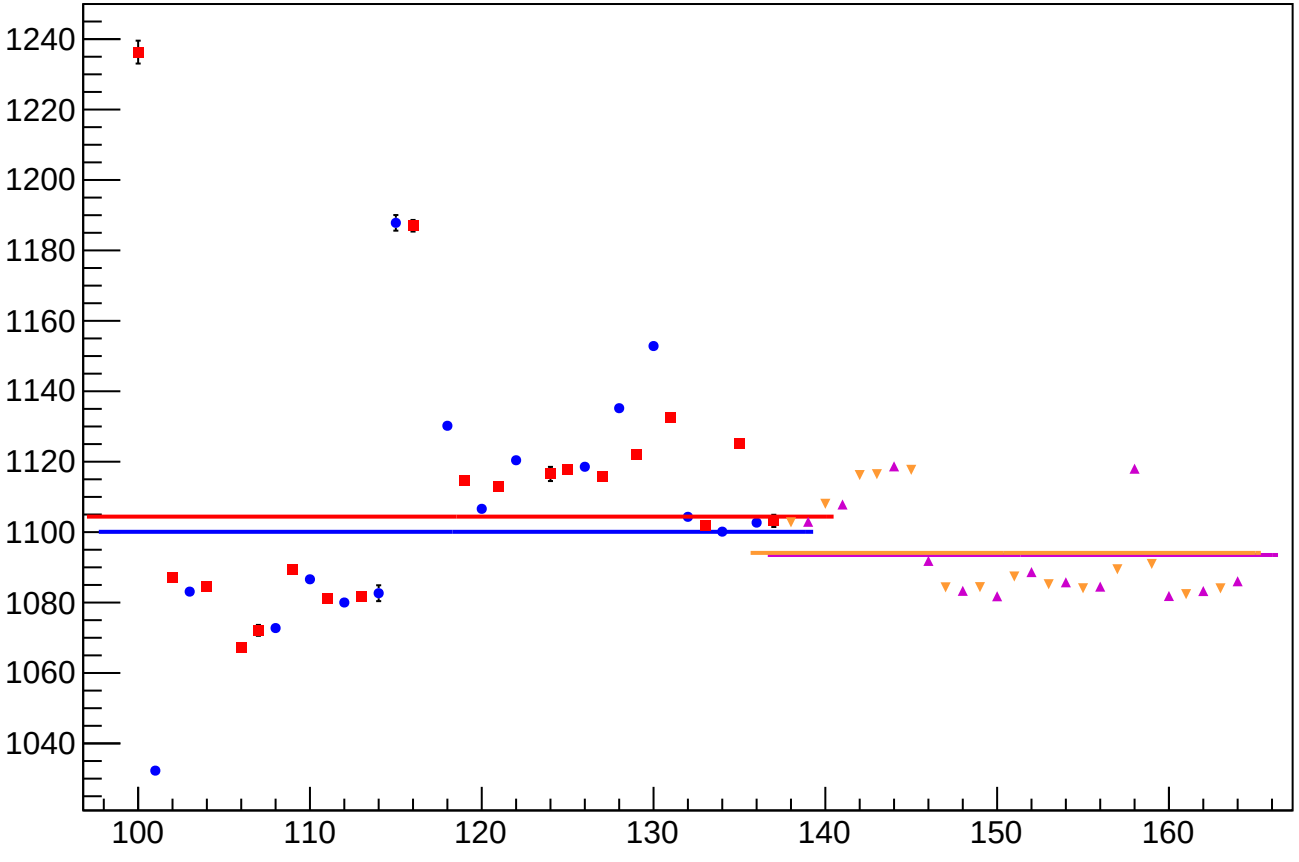
Left In: -2178.907+/-330.159 χ^2/NDF:19.6/12

+ sign 2249.731+/-255.209 χ^2/NDF: 23.5/29

All: 44.133+/-180.507 χ^2/NDF: 206.1/61

- 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: 1094.104+/-0.231 χ^2/NDF:3057.0/13

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

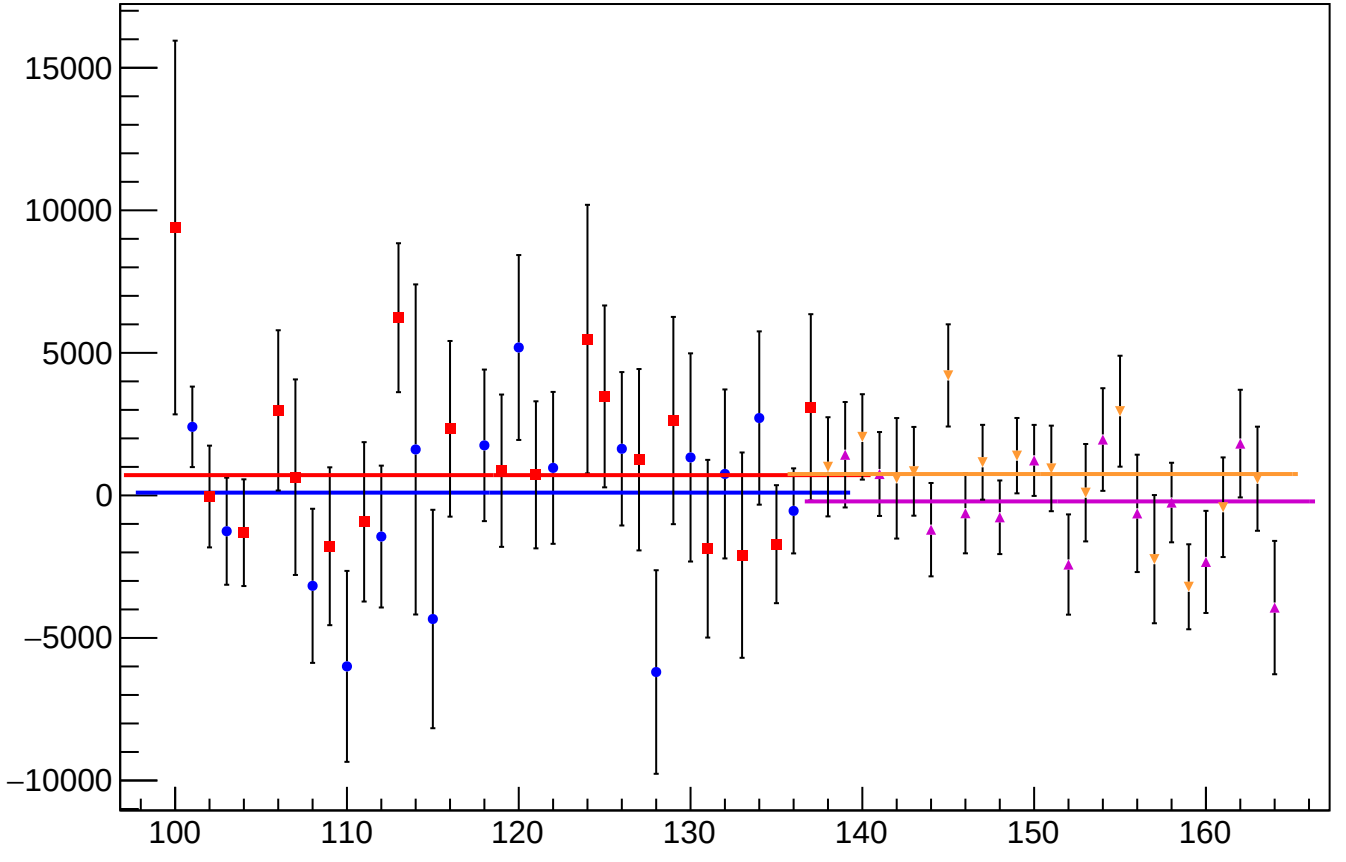
Left In: 1093.509+/-0.233 χ^2/NDF:3174.7/12

\+ sign 1096.437+/-0.180 χ^2/NDF: 16395.9/29

All: 1097.162+/-0.128 χ^2/NDF: 29021.4/61

\- sign 1097.887+/-0.181 χ^2/NDF: 12593.3/31

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 749.701+/-438.424 χ^2/NDF:15.5/13

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

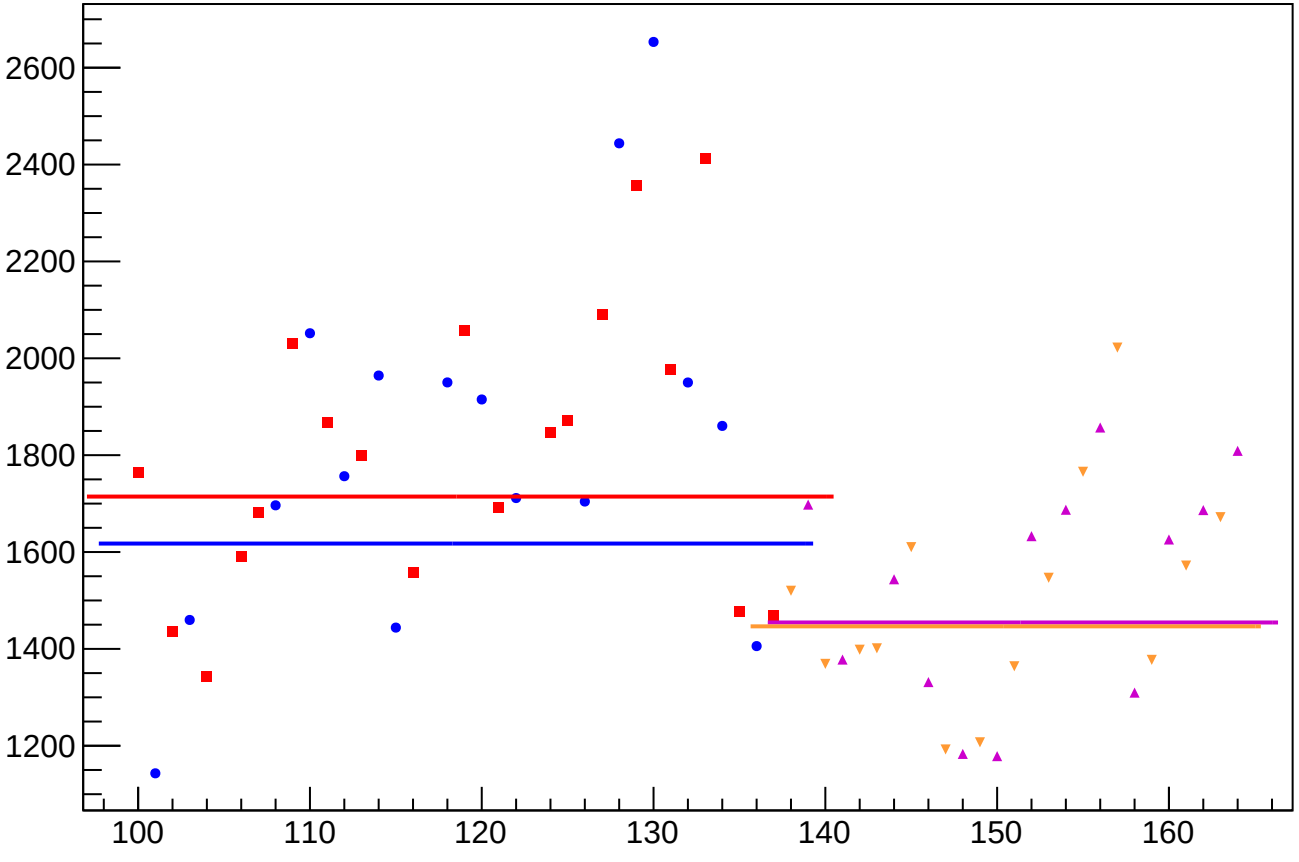
Left In: -210.697+/-445.796 χ^2/NDF:11.4/12

+ sign 531.741+/-357.750 χ^2/NDF: 33.5/29

All: 316.509+/-255.612 χ^2/NDF: 62.0/61

- sign 92.036+/-365.349 χ^2/NDF: 27.7/31

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1446.544+/-0.310 χ^2/NDF:411818.4/13

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

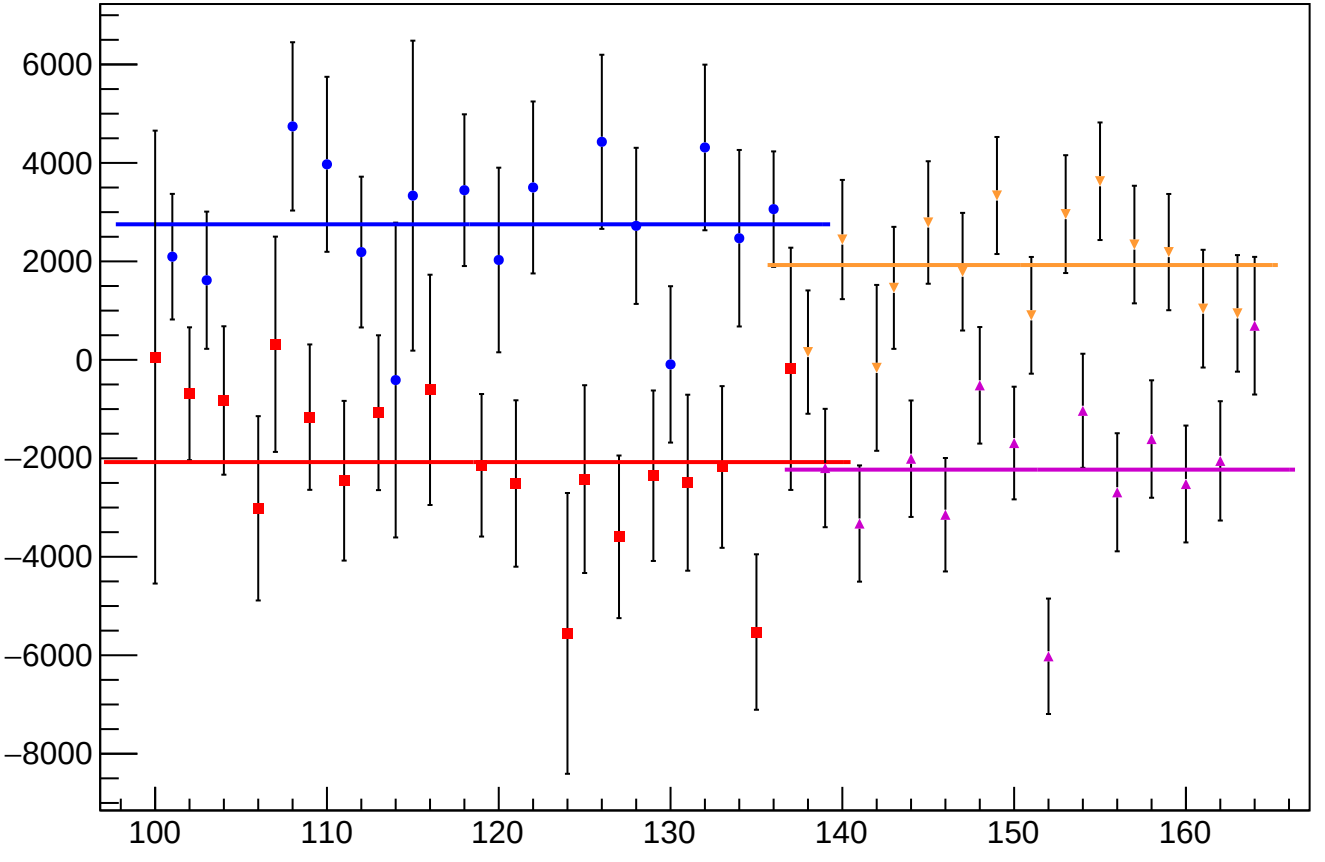
Left In: 1454.543+/-0.315 χ^2/NDF:494154.2/12

+ sign 1503.667+/-0.253 χ^2/NDF: 1205149.1/29

All: 1521.404+/-0.181 χ^2/NDF: 2360374.0/61

- 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: 1925.833+/-327.561 χ^2/NDF:10.7/13

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

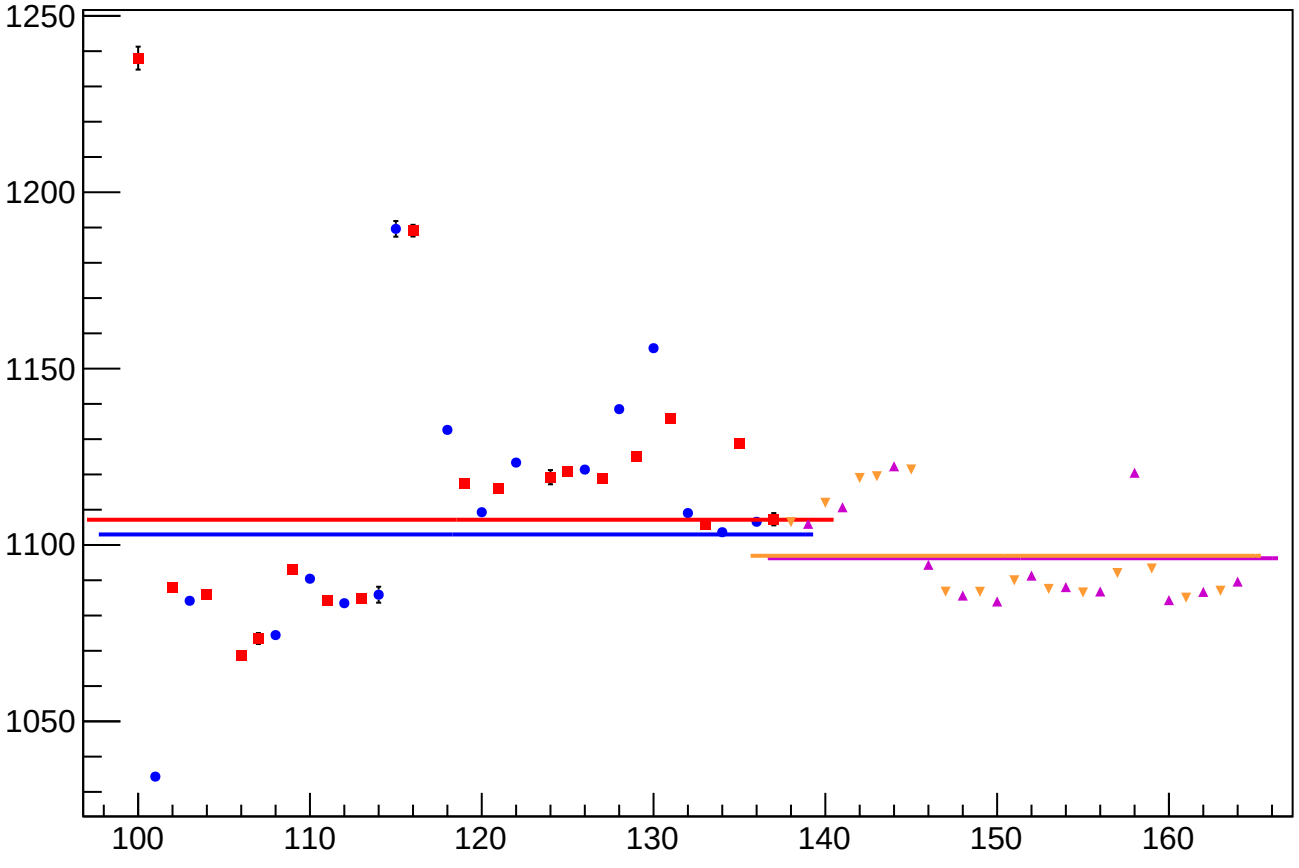
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2248.307+/-255.876 χ^2/NDF: 22.7/29

All: 40.920+/-180.968 χ^2/NDF: 204.4/61

- 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: 1096.940+/-0.232 χ^2/NDF:3227.7/13

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

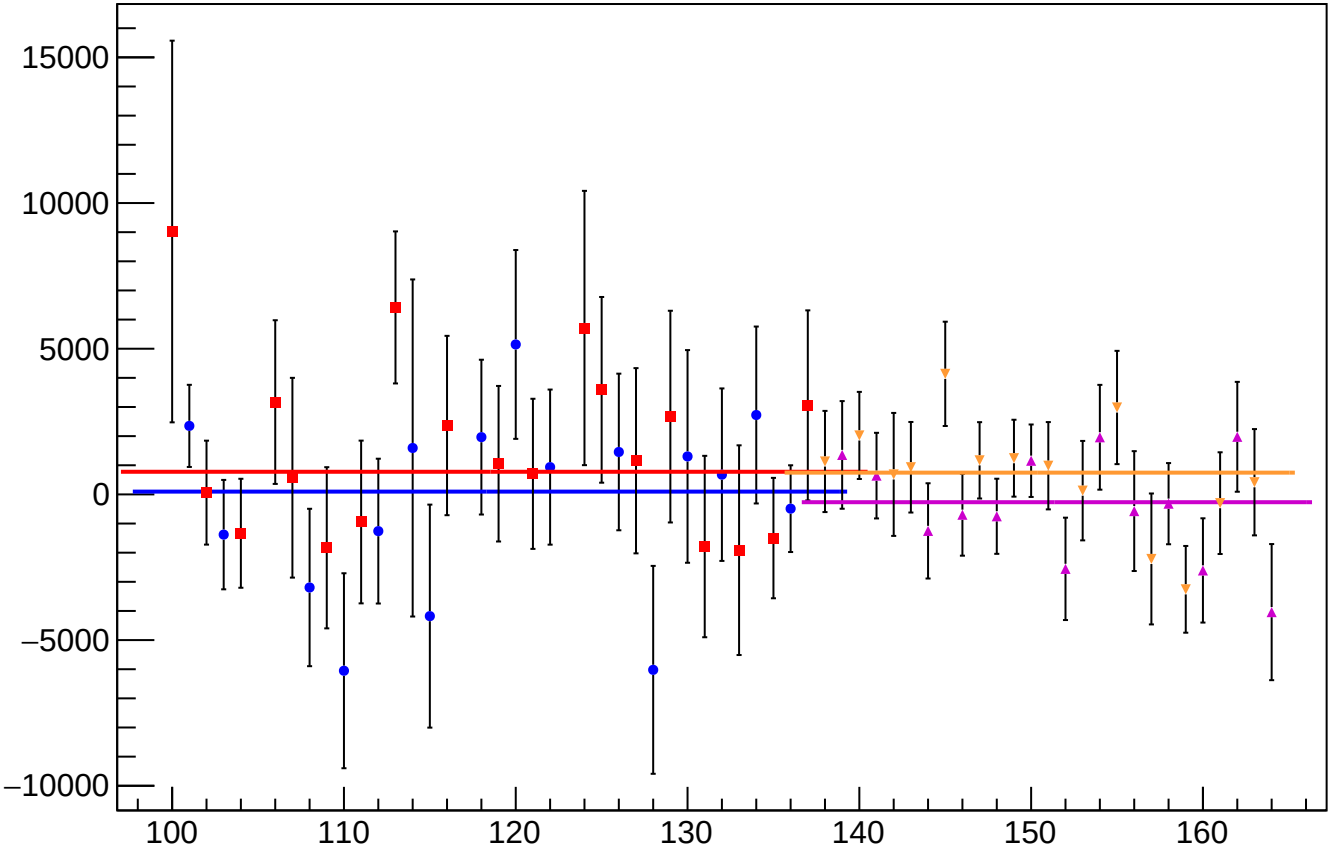
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61

- 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: 746.898+/-437.741 χ^2/NDF:15.5/13

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

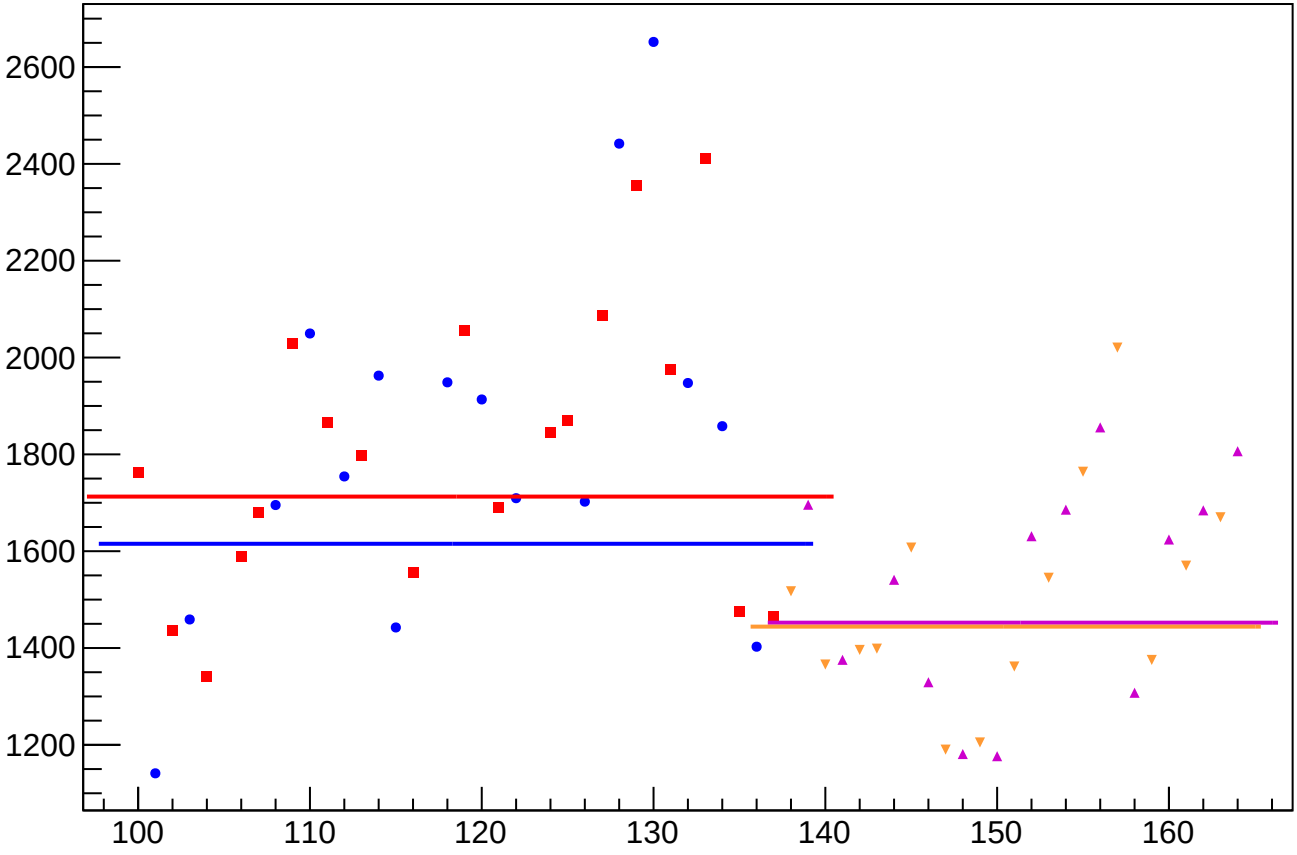
Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 307.125+/-255.259 χ^2/NDF: 62.9/61

- 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: 1444.199+/-0.310 χ^2/NDF:413559.6/13

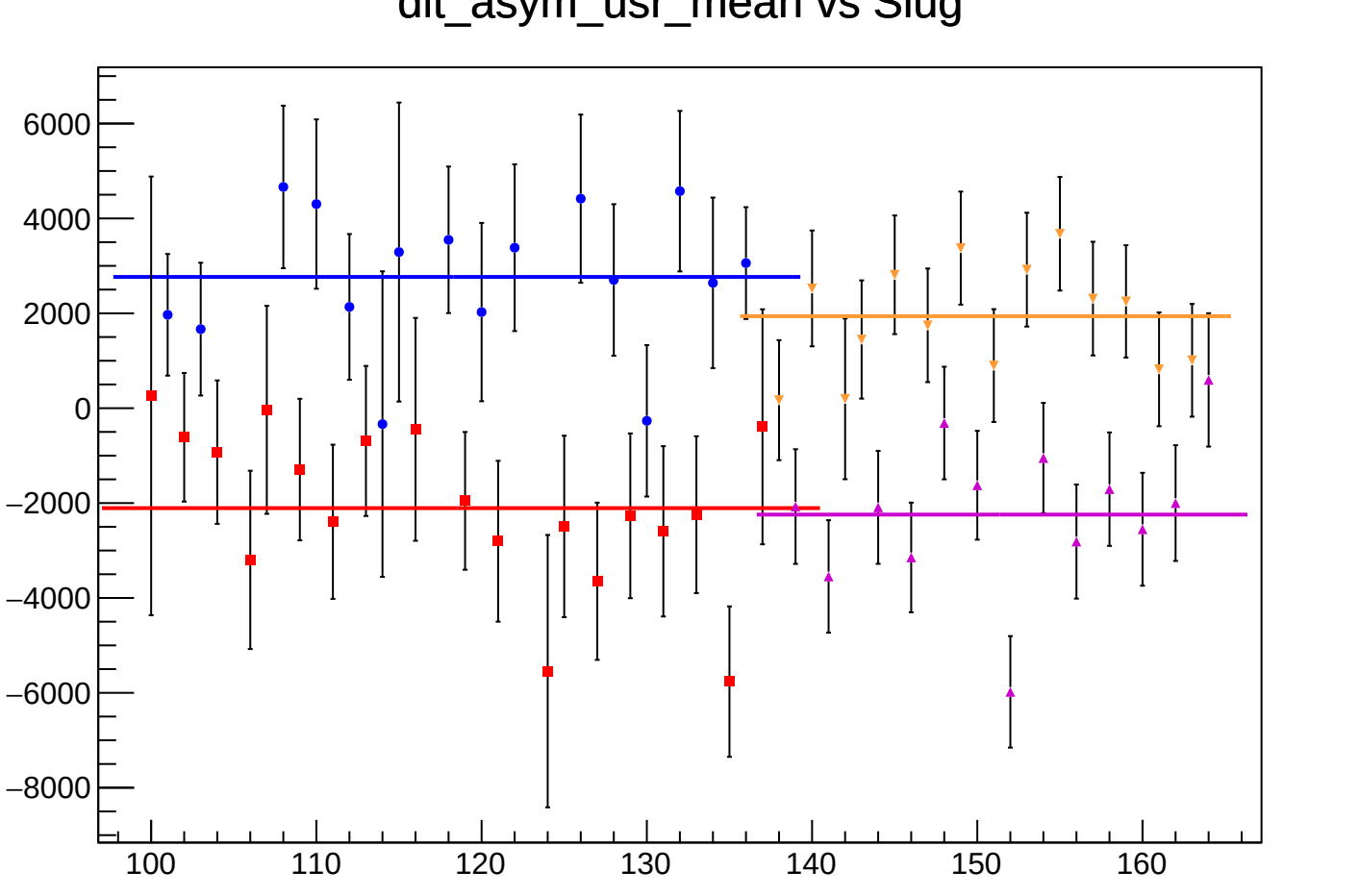
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61

- sign 1537.810+/-0.258 χ^2/NDF: 1148686.5/31



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

Left Out: 1939.398+/-328.966 χ^2/NDF:10.6/13

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

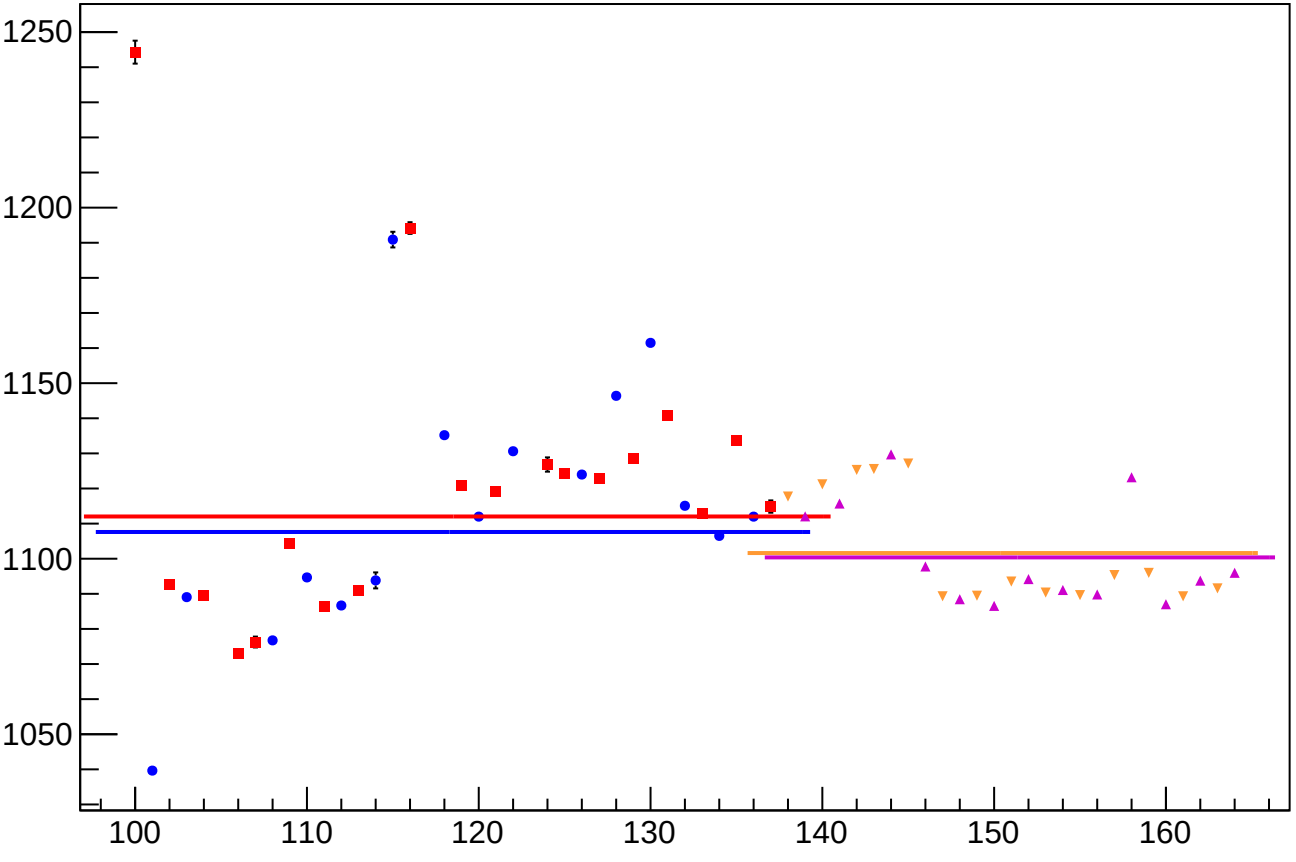
Left In: -2242.704+/-332.238 χ^2/NDF:20.6/12

+ sign 2261.891+/-256.966 χ^2/NDF: 23.3/29

All: 37.397+/-181.720 χ^2/NDF: 207.2/61

- sign -2187.952+/-257.015 χ^2/NDF: 34.0/31

dit_asym_usr_rms vs Slug



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

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

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

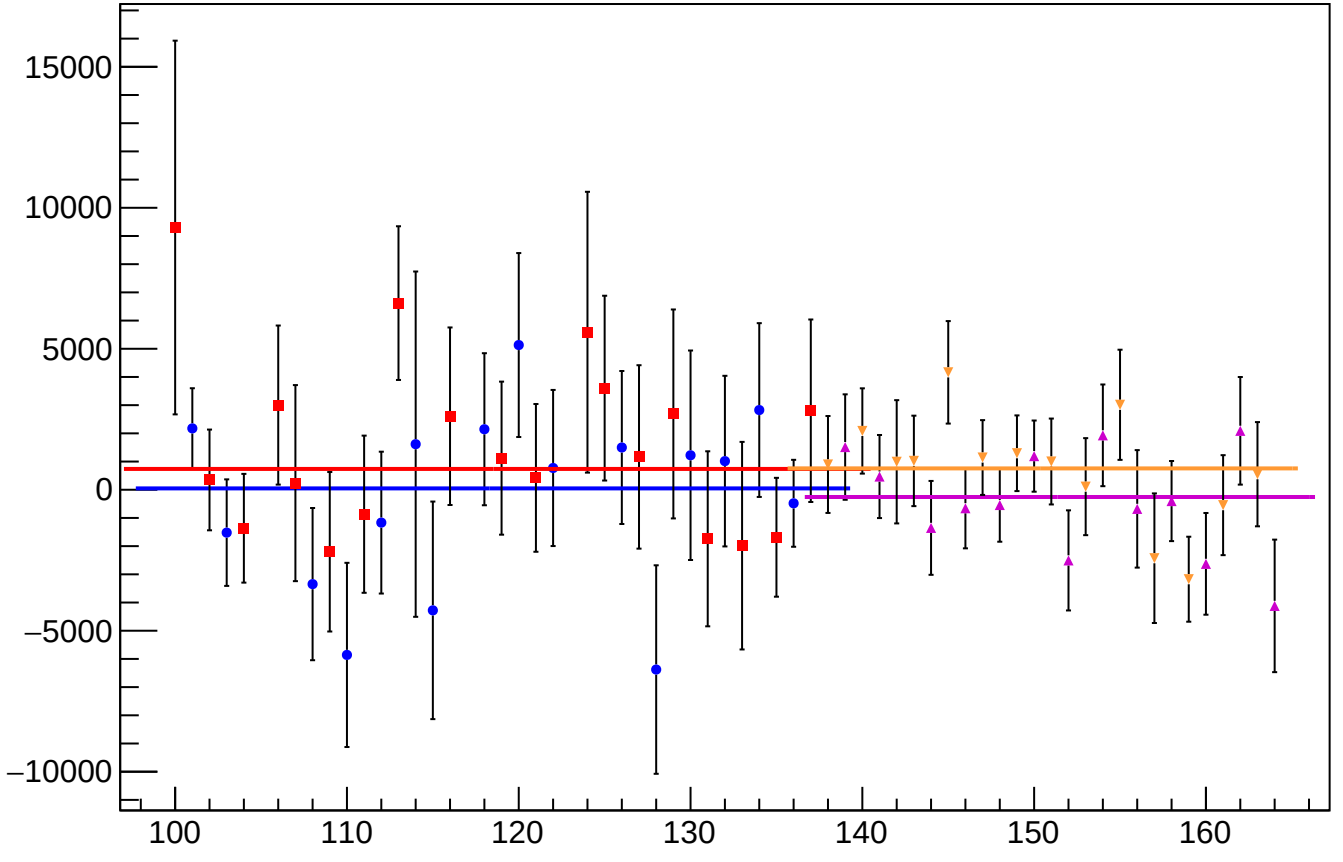
Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

+ sign 1103.954+/-0.182 χ^2/NDF: 17621.7/29

All: 1104.503+/-0.128 χ^2/NDF: 30915.7/61

- 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: 756.942+/-444.055 χ^2/NDF:15.4/13

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

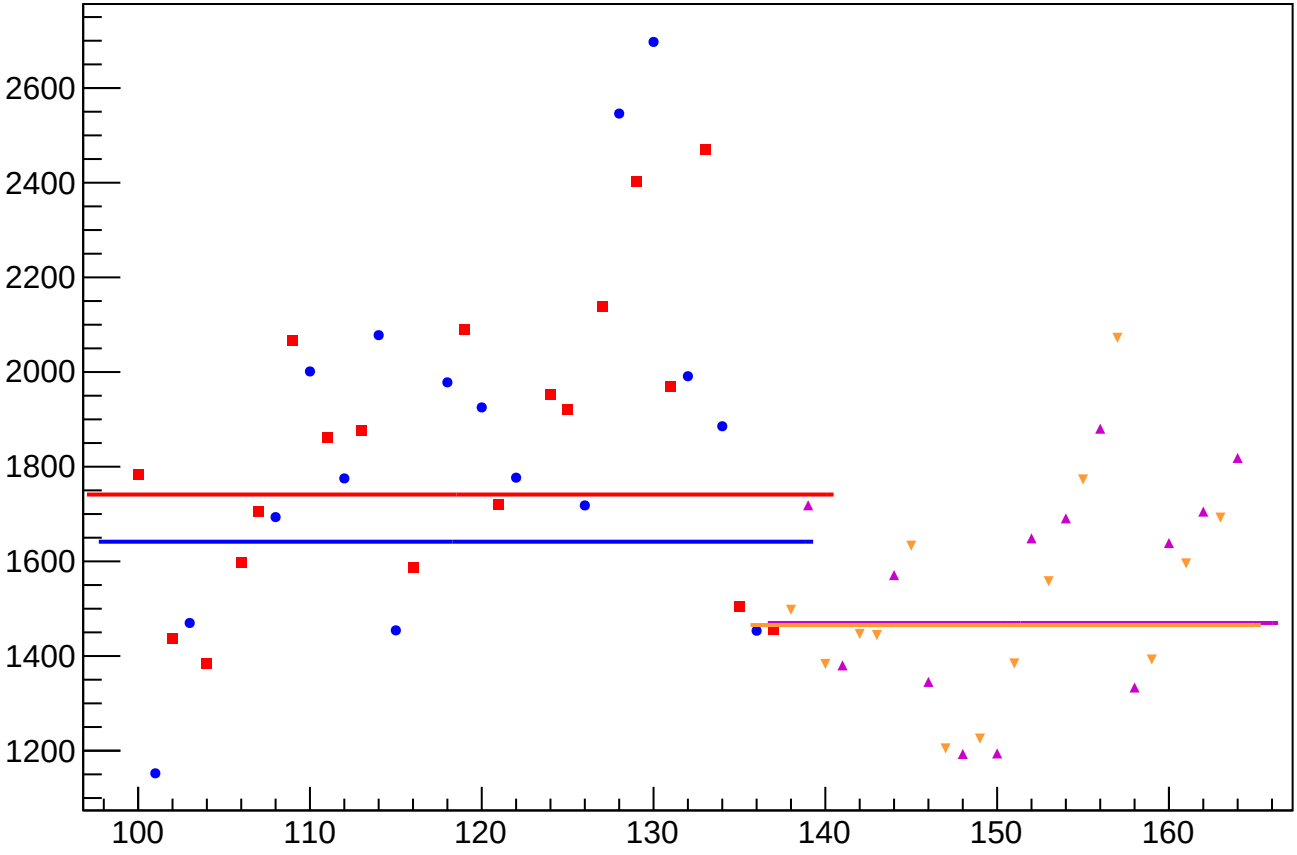
Left In: -257.192+/-450.267 χ^2/NDF:12.1/12

+ sign 520.603+/-362.583 χ^2/NDF: 33.1/29

All: 298.252+/-258.874 χ^2/NDF: 62.5/61

- 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: 1465.442+/-0.314 χ^2/NDF:411417.1/13

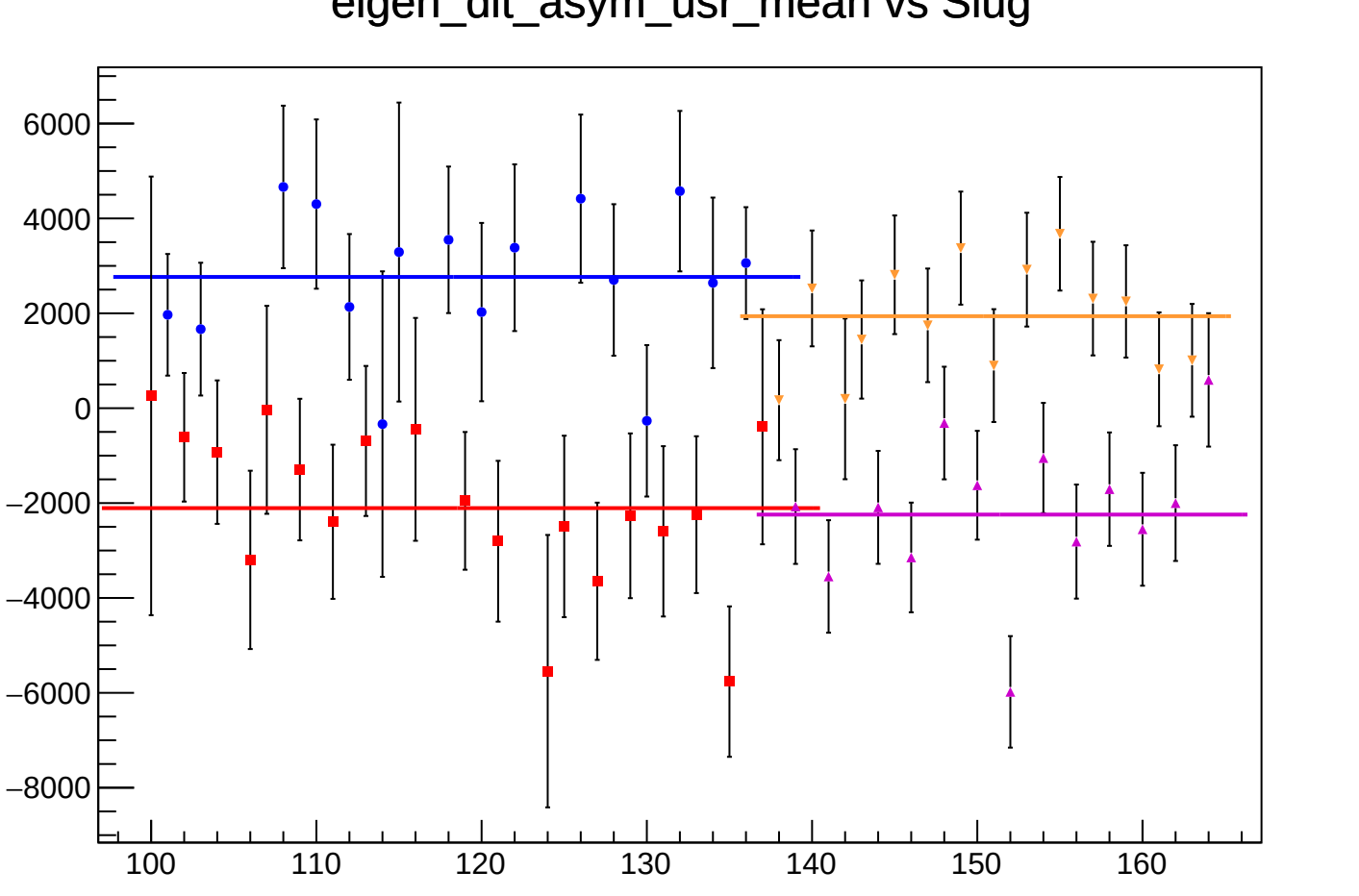
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1469.864+/-0.318 χ^2/NDF:489489.5/12

+ sign 1524.132+/-0.256 χ^2/NDF: 1217553.8/29

All: 1540.859+/-0.183 χ^2/NDF: 2390649.3/61

- 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: 1939.395+/-328.966 χ^2/NDF:10.6/13

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

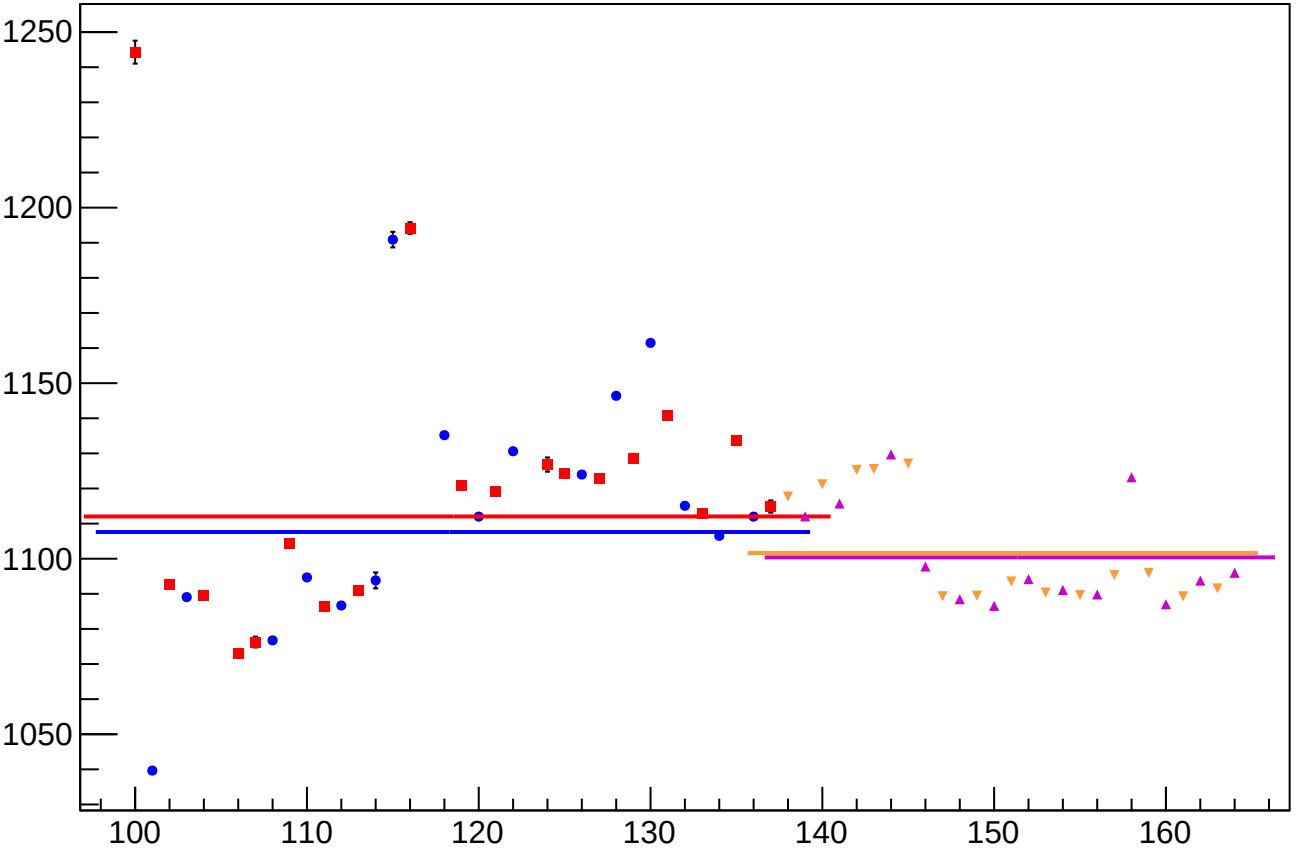
Left In: -2242.705+/-332.238 χ^2/NDF:20.6/12

+ sign 2261.889+/-256.966 χ^2/NDF: 23.3/29

All: 37.395+/-181.720 χ^2/NDF: 207.2/61

- 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: 1101.616+/-0.233 χ^2/NDF:4141.7/13

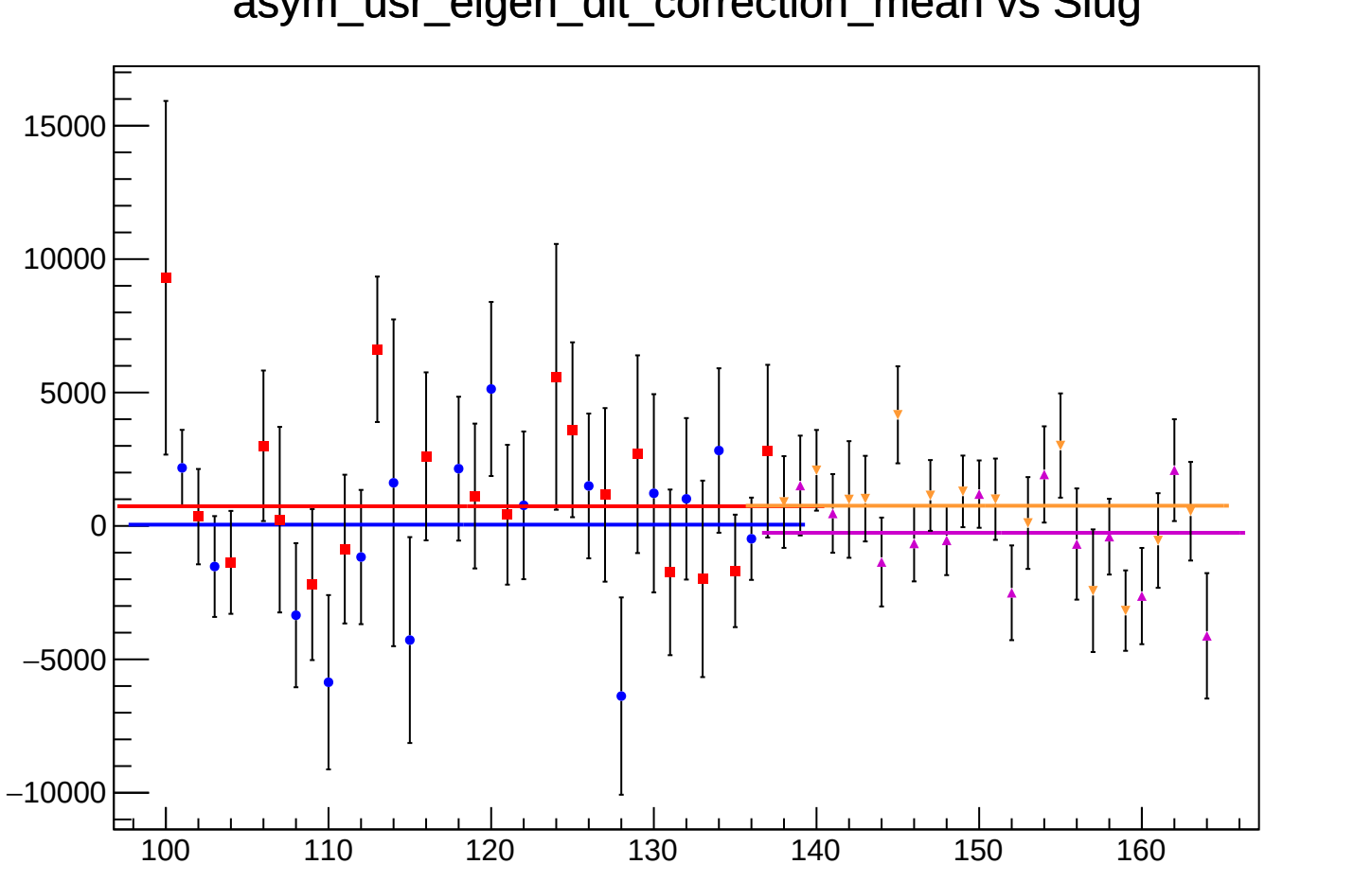
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

+ sign 1103.954+/-0.182 χ^2/NDF: 17621.6/29

All: 1104.503+/-0.128 χ^2/NDF: 30915.5/61

- 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: 756.941+/-444.056 χ^2/NDF:15.4/13

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

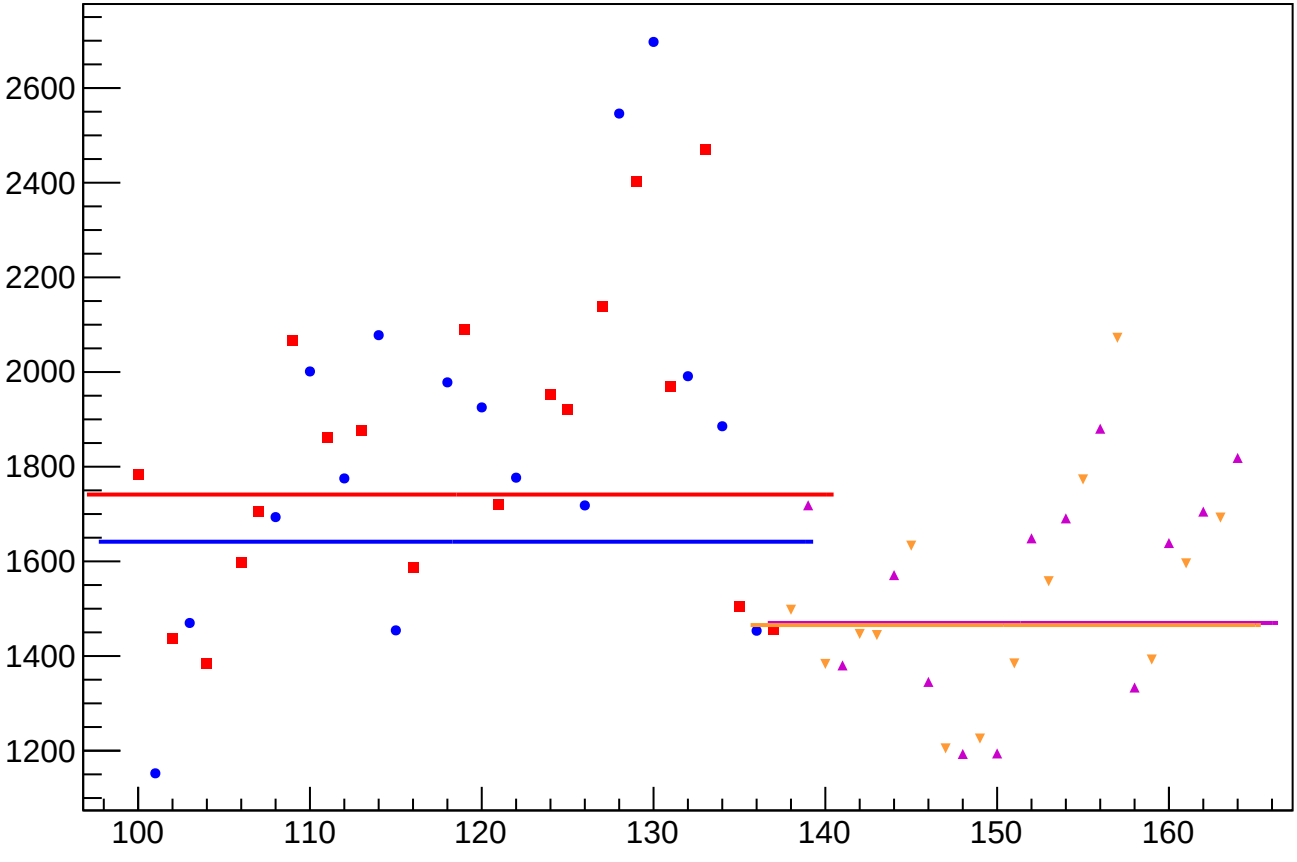
Left In: -257.193+/-450.268 χ^2/NDF:12.1/12

+ sign 520.600+/-362.583 χ^2/NDF: 33.1/29

All: 298.251+/-258.874 χ^2/NDF: 62.5/61

- 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: 1465.446+/-0.314 χ^2/NDF:411421.6/13

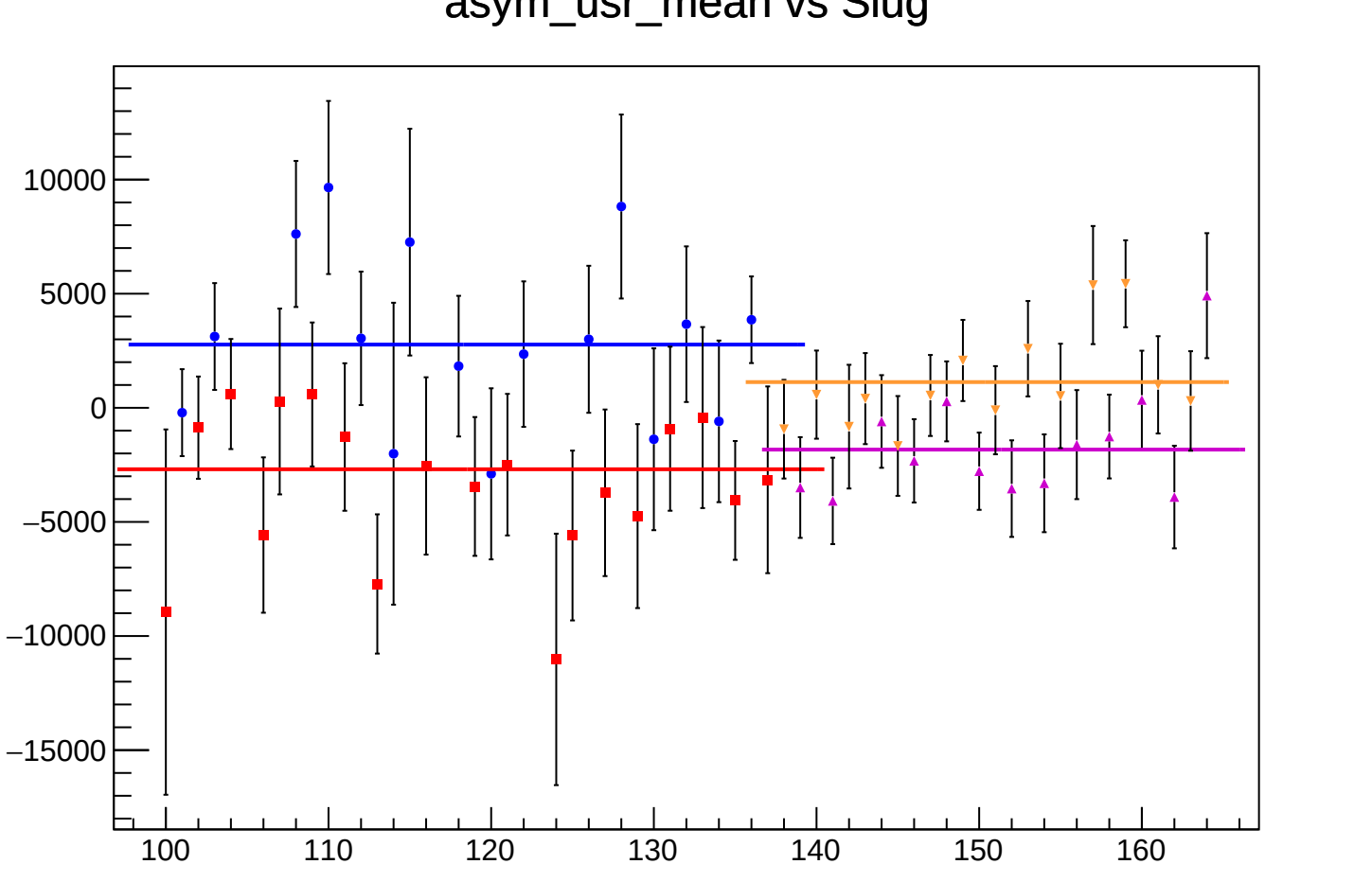
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1469.867+/-0.318 χ^2/NDF:489495.0/12

+ sign 1524.134+/-0.256 χ^2/NDF: 1217539.5/29

All: 1540.861+/-0.183 χ^2/NDF: 2390619.9/61

- 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: 1127.636+/-554.233 χ^2/NDF:12.6/13

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

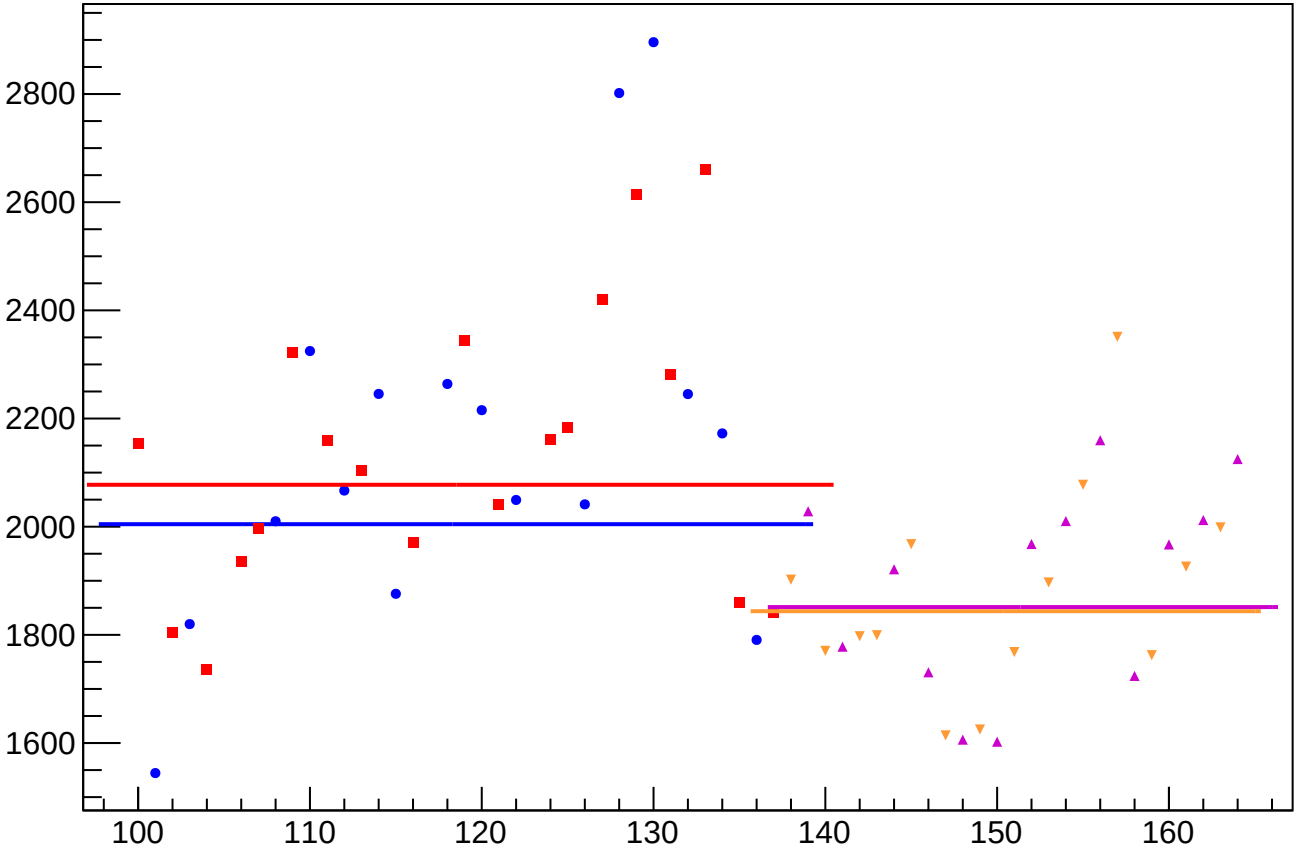
Left In: -1831.171+/-562.493 χ^2/NDF:13.4/12

+ sign 1700.653+/-447.212 χ^2/NDF: 32.1/29

All: -190.167+/-318.368 χ^2/NDF: 95.1/61

- 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: 1843.751+/-0.392 χ^2/NDF:194892.1/13

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

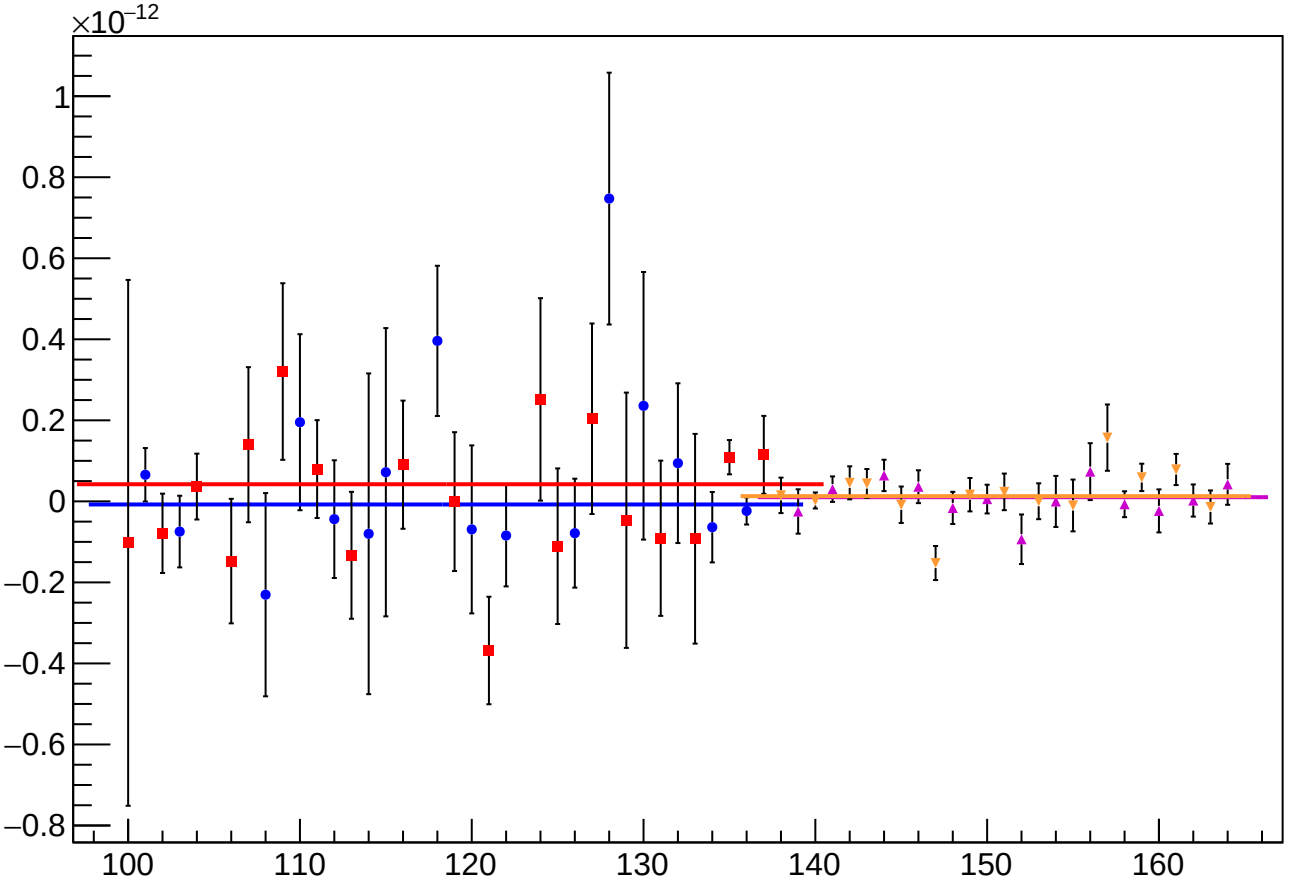
Left In: 1851.375+/-0.398 χ^2/NDF:205423.9/12

+ sign 1899.885+/-0.316 χ^2/NDF: 641259.7/29

All: 1915.047+/-0.225 χ^2/NDF: 1195104.7/61

- sign 1930.626+/-0.321 χ^2/NDF: 549184.2/31

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

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

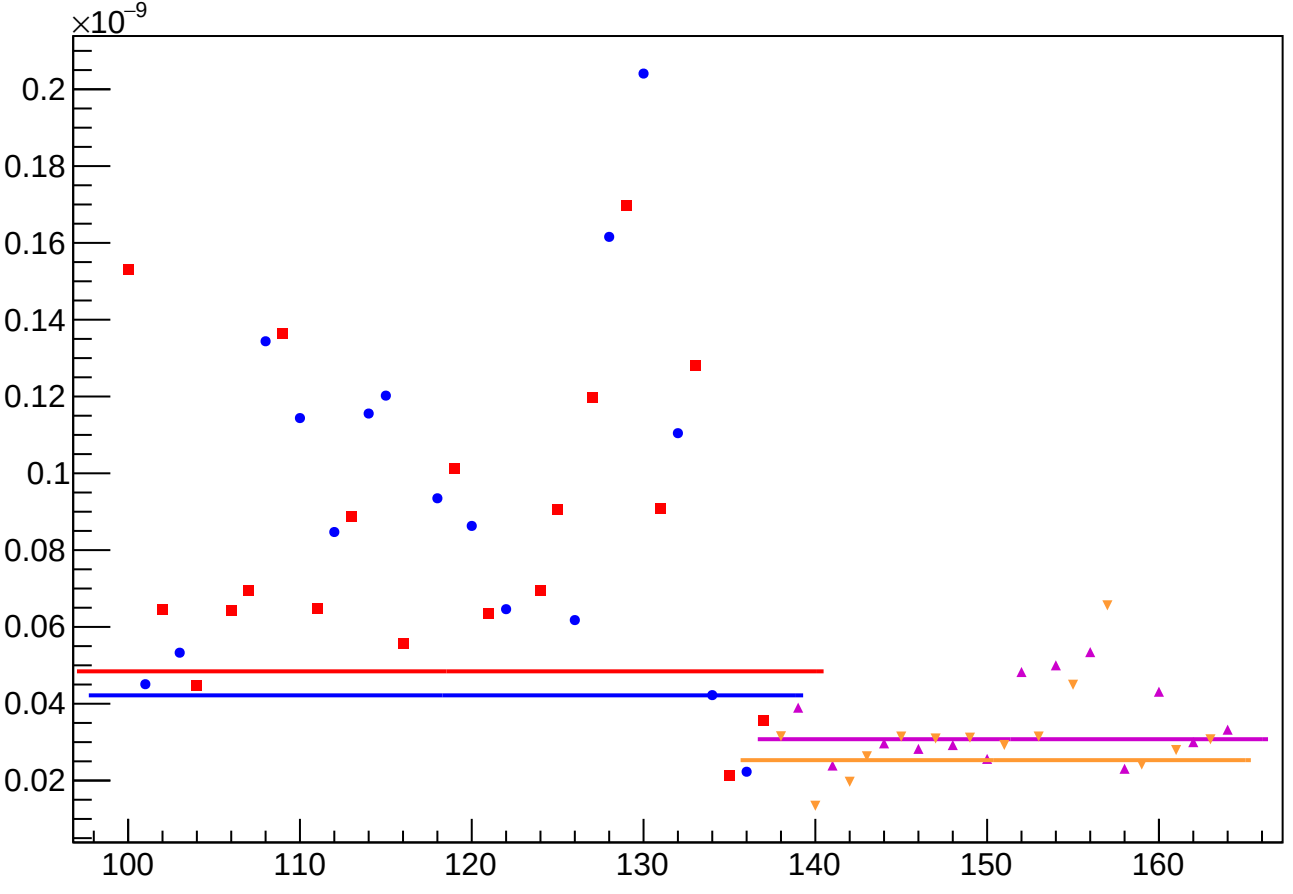
Left In: 0.000+/-0.000 χ^2/NDF:8.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/29

All: 0.000+/-0.000 χ^2/NDF: 74.6/61

- 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:1687667.1/13

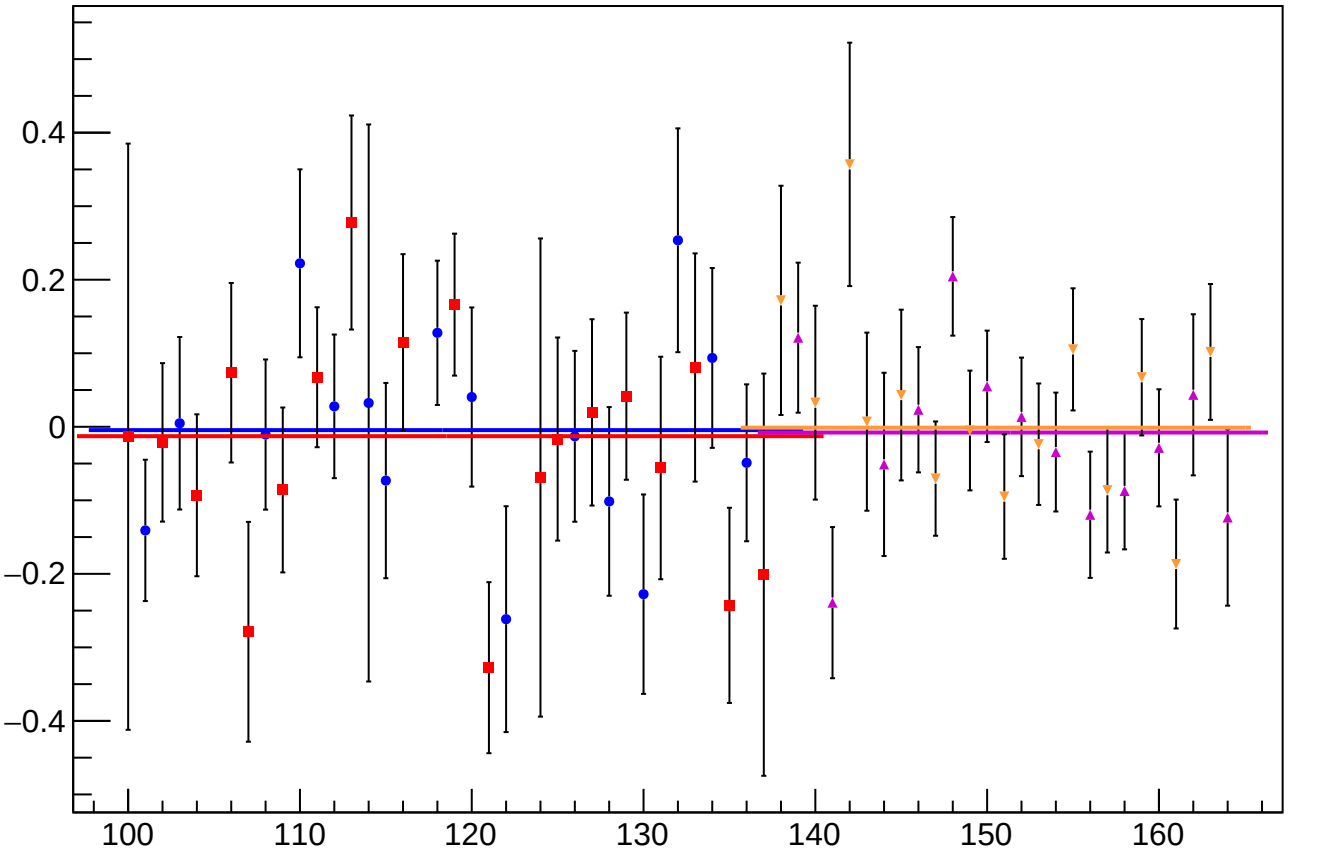
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:982472.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 5442438.4/29

All: 0.000+/-0.000 χ^2/NDF: 10072333.6/61

- sign 0.000+/-0.000 χ^2/NDF: 4304850.3/31



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

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

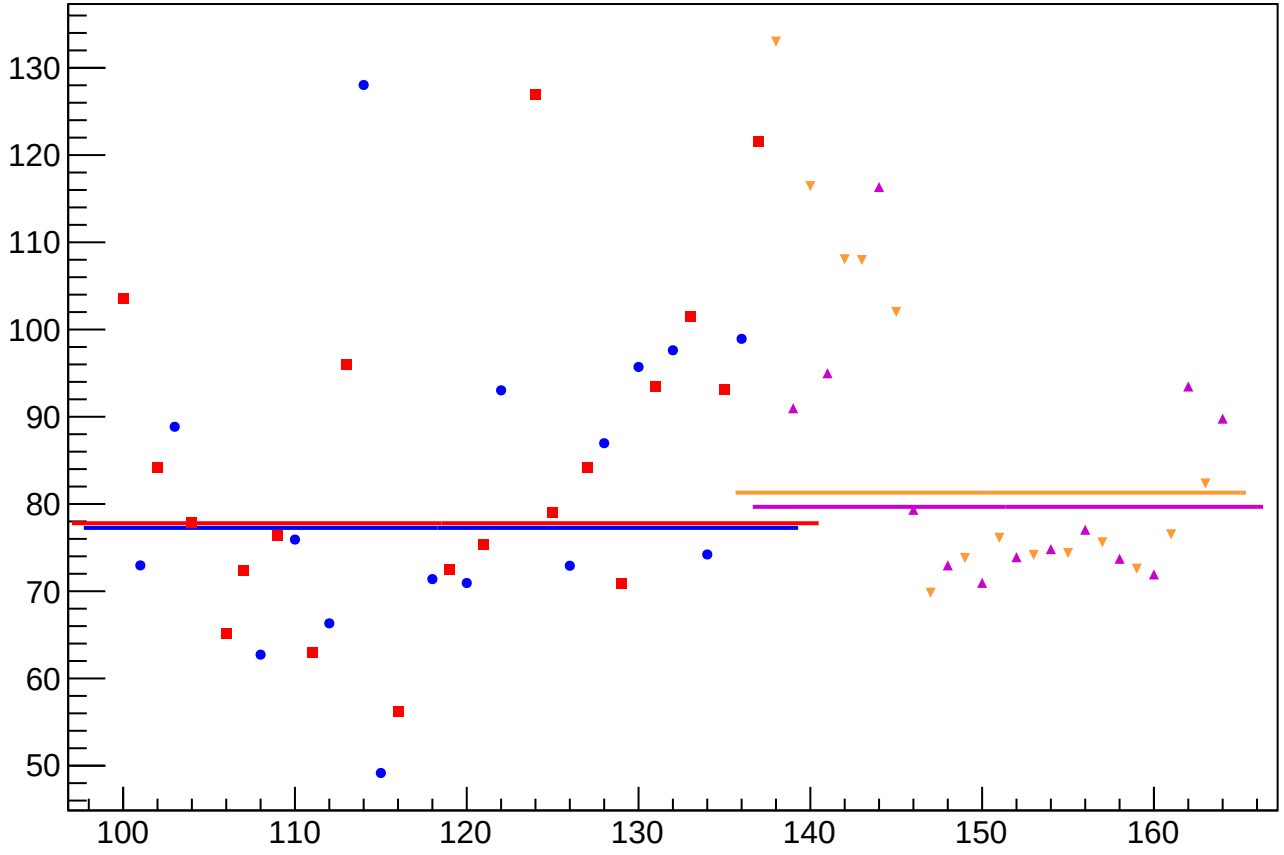
Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.006+/-0.014 χ^2/NDF: 78.9/61

- 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: 81.299+/-0.018 χ^2/NDF:711290.3/13

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

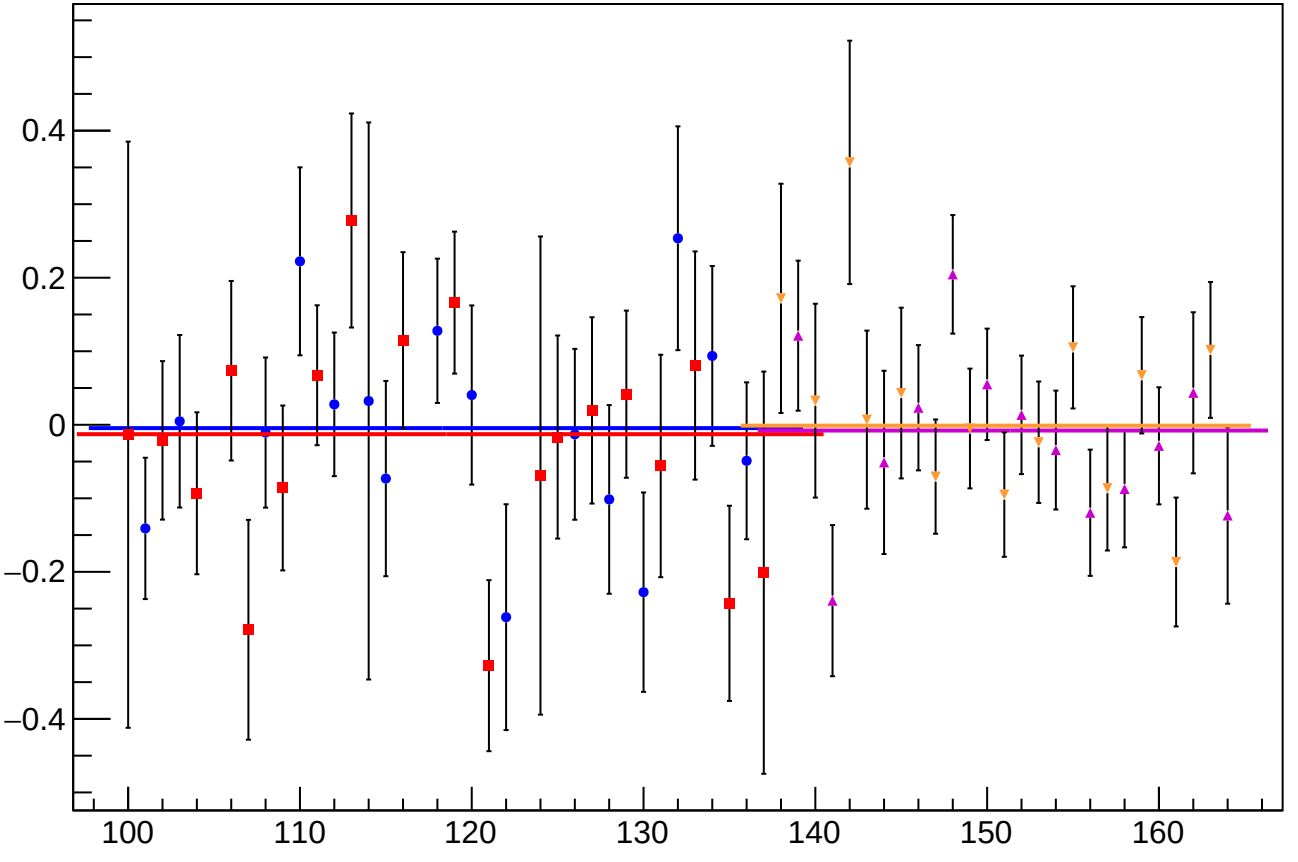
Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

\+ sign 79.629+/-0.014 χ^2/NDF: 1151789.8/29

All: 79.261+/-0.010 χ^2/NDF: 1932220.9/61

\- sign 78.905+/-0.013 χ^2/NDF: 779006.4/31

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

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

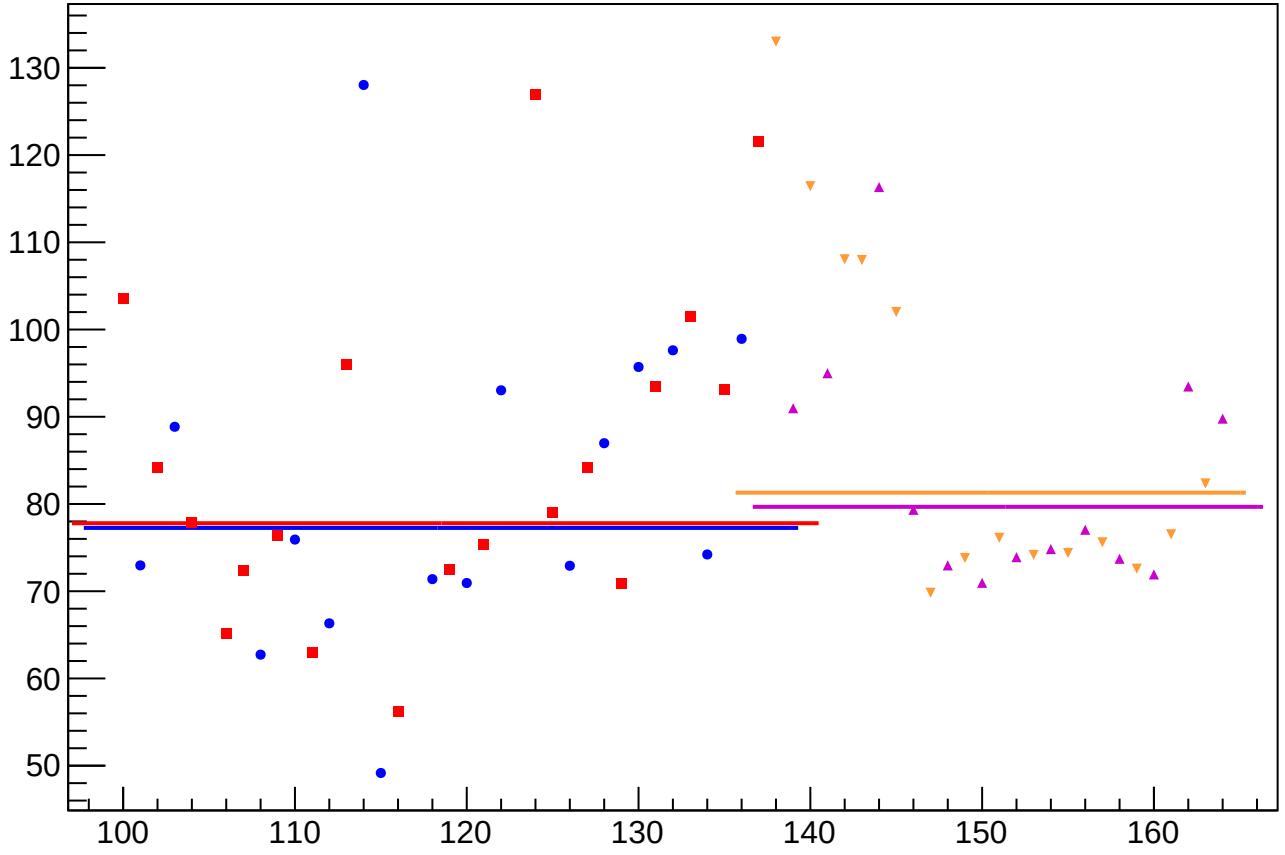
Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.006+/-0.014 χ^2/NDF: 78.9/61

- sign -0.010+/-0.019 χ^2/NDF: 44.1/31

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

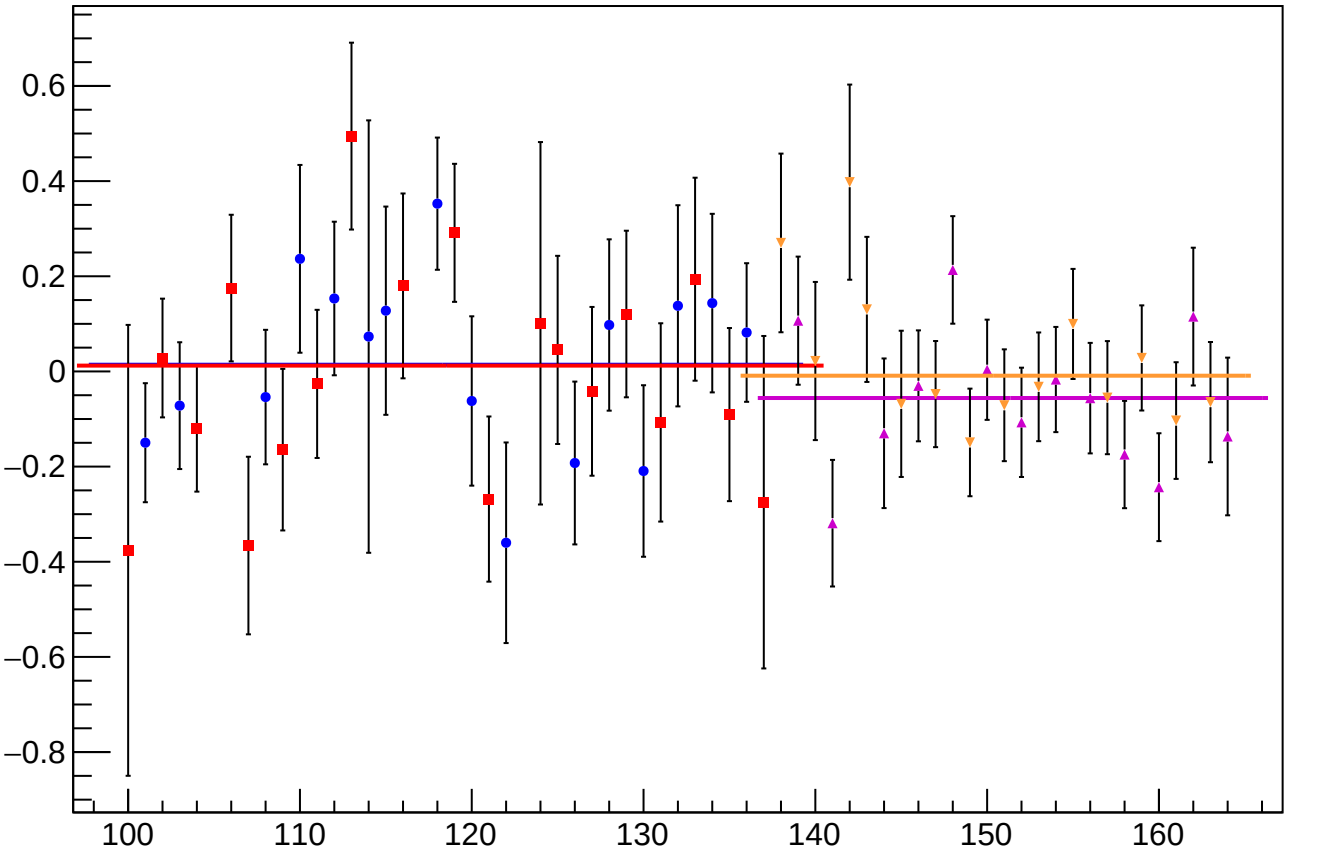
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

\+ sign 79.629+/-0.014 χ^2/NDF: 1151789.8/29

All: 79.261+/-0.010 χ^2/NDF: 1932220.9/61

\- sign 78.905+/-0.013 χ^2/NDF: 779006.4/31



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

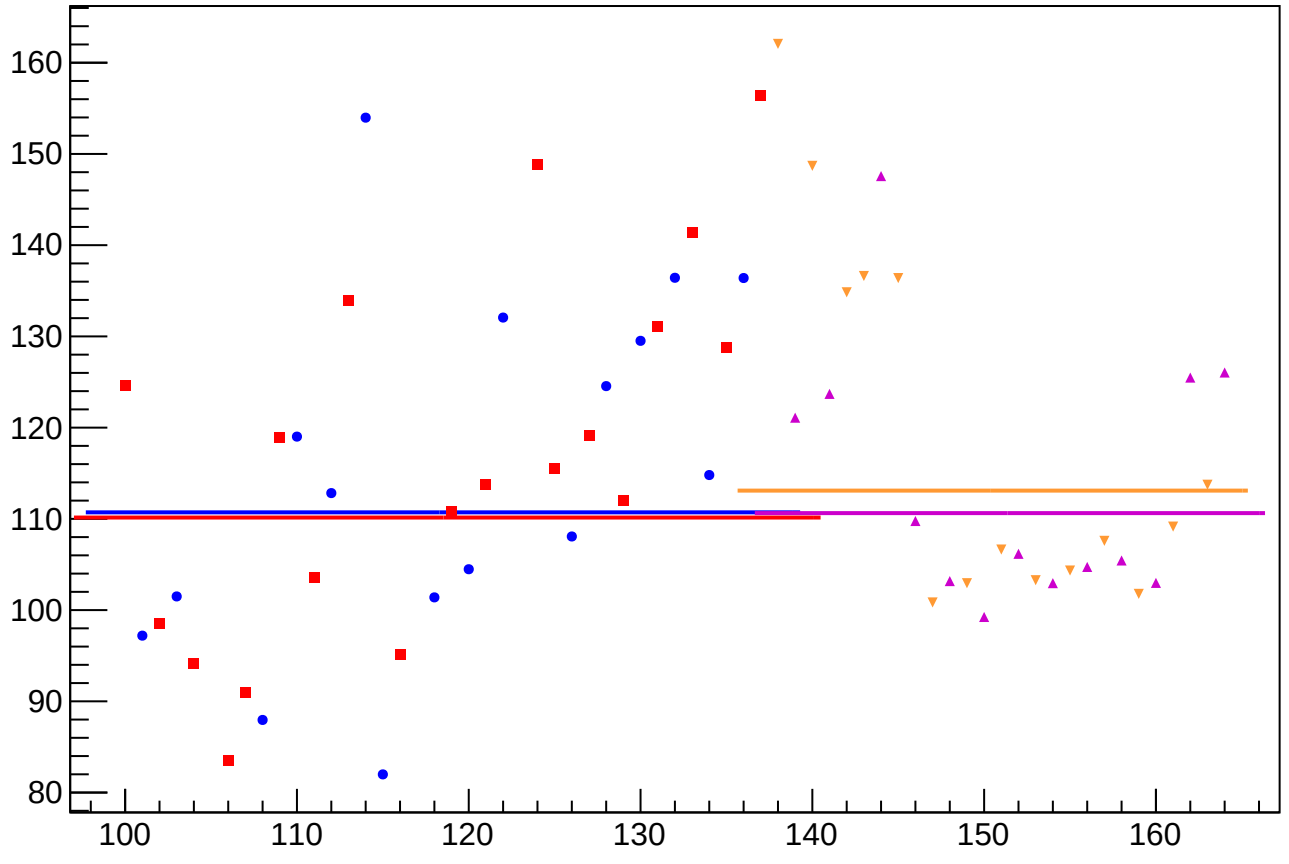
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.056+/-0.034 χ^2/NDF:17.4/12

+ sign 0.000+/-0.027 χ^2/NDF: 29.4/29

All: -0.014+/-0.019 χ^2/NDF: 72.8/61

- sign -0.028+/-0.026 χ^2/NDF: 42.8/31



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

Left Out: 113.097+/-0.024 χ^2/NDF:443869.3/13

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

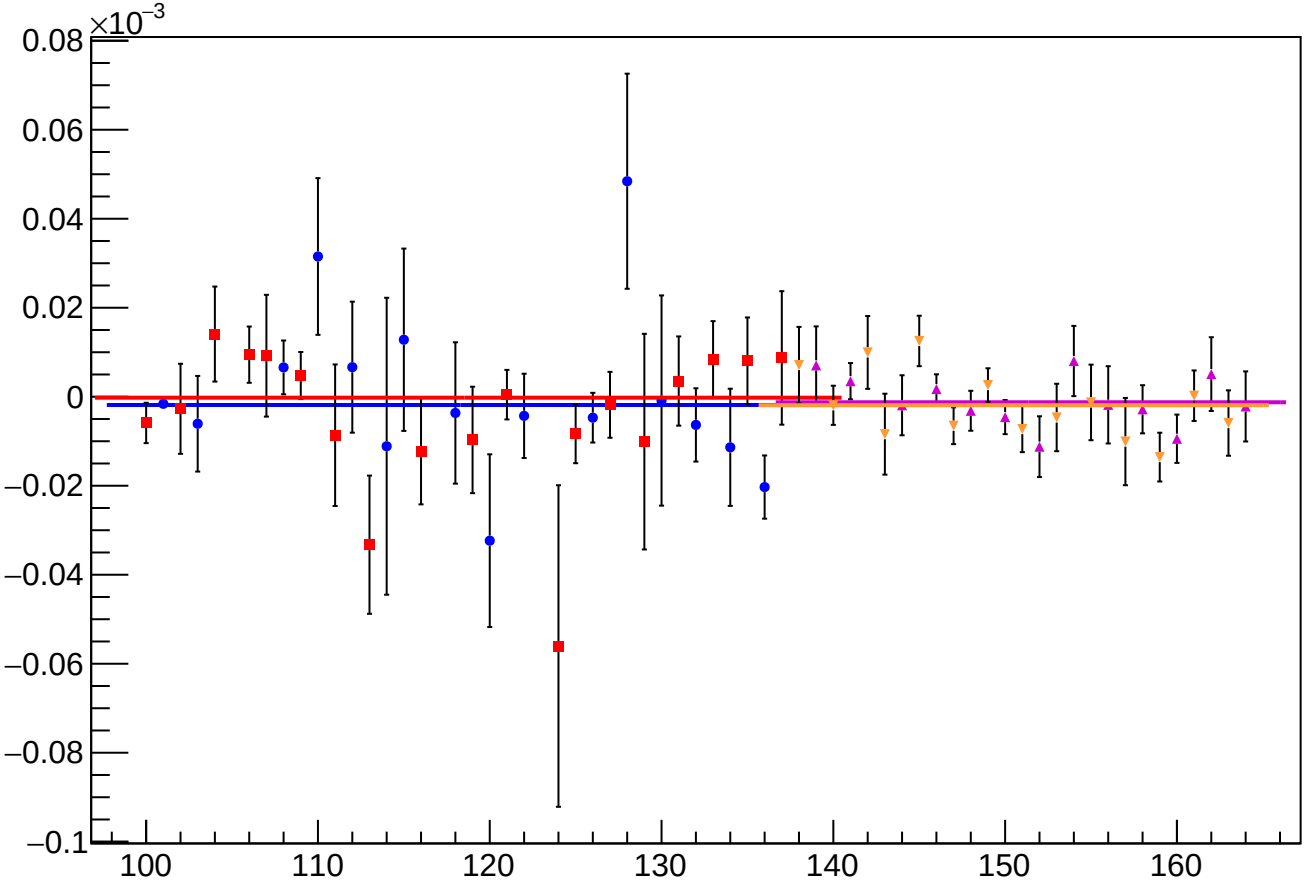
Left In: 110.630+/-0.024 χ^2/NDF:243502.3/12

+ sign 112.143+/-0.019 χ^2/NDF: 747652.7/29

All: 111.272+/-0.013 χ^2/NDF: 1322205.8/61

- sign 110.434+/-0.019 χ^2/NDF: 570393.5/31

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

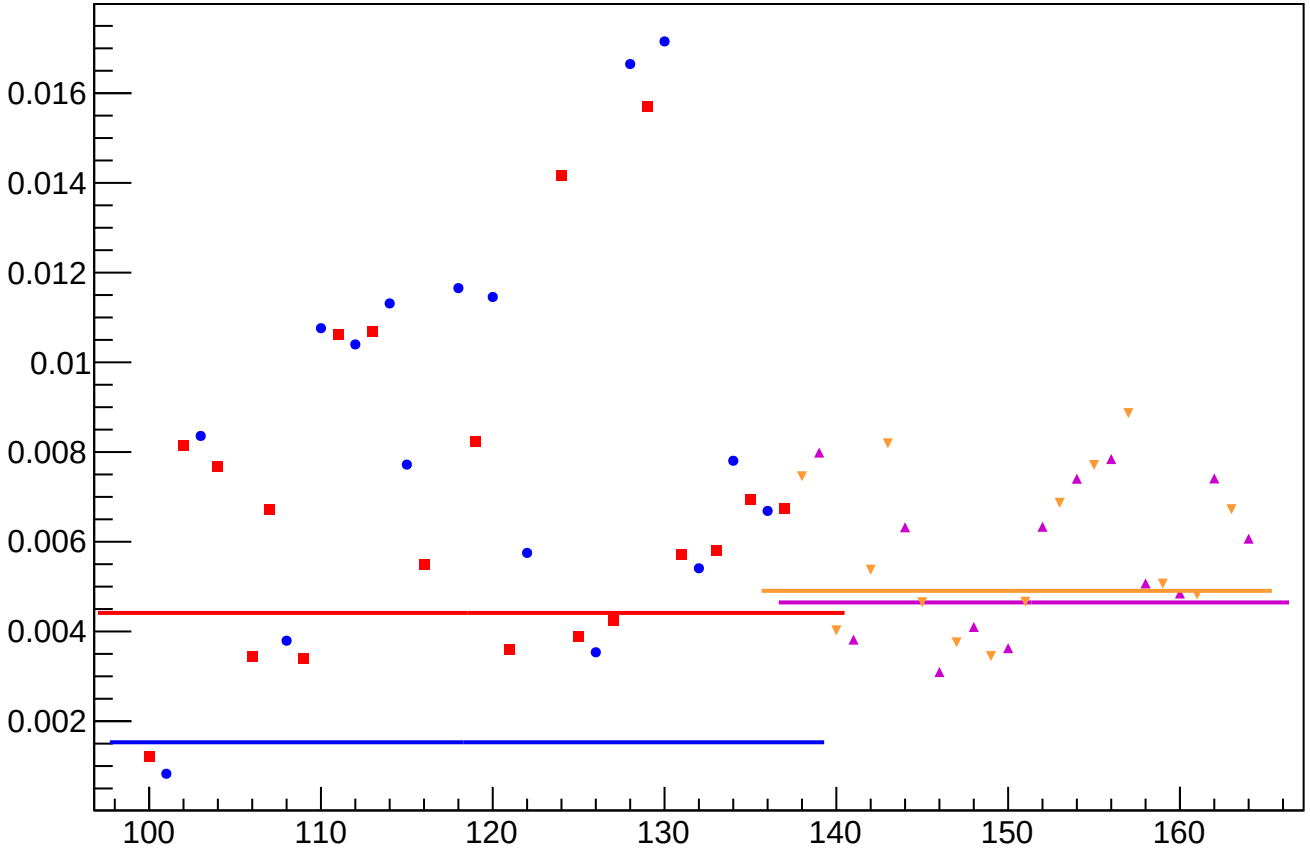
Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/29

All: -0.000+/-0.000 χ^2/NDF: 72.2/61

- 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:1788869.5/13

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

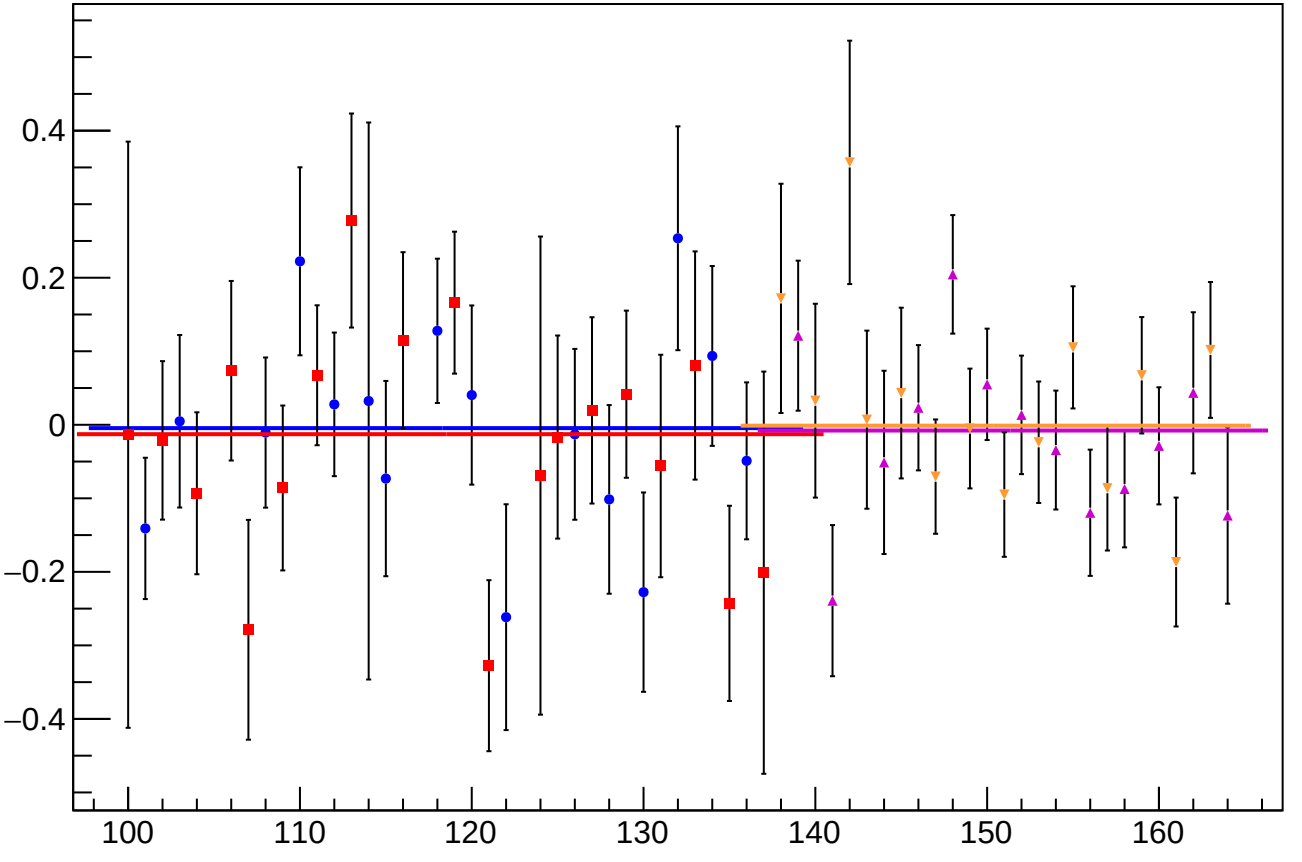
Left In: 0.005+/-0.000 χ^2/NDF:2047012.1/12

+ sign 0.002+/-0.000 χ^2/NDF: 17792938.5/29

All: 0.003+/-0.000 χ^2/NDF: 27442669.7/61

- sign 0.005+/-0.000 χ^2/NDF: 5453556.7/31

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

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

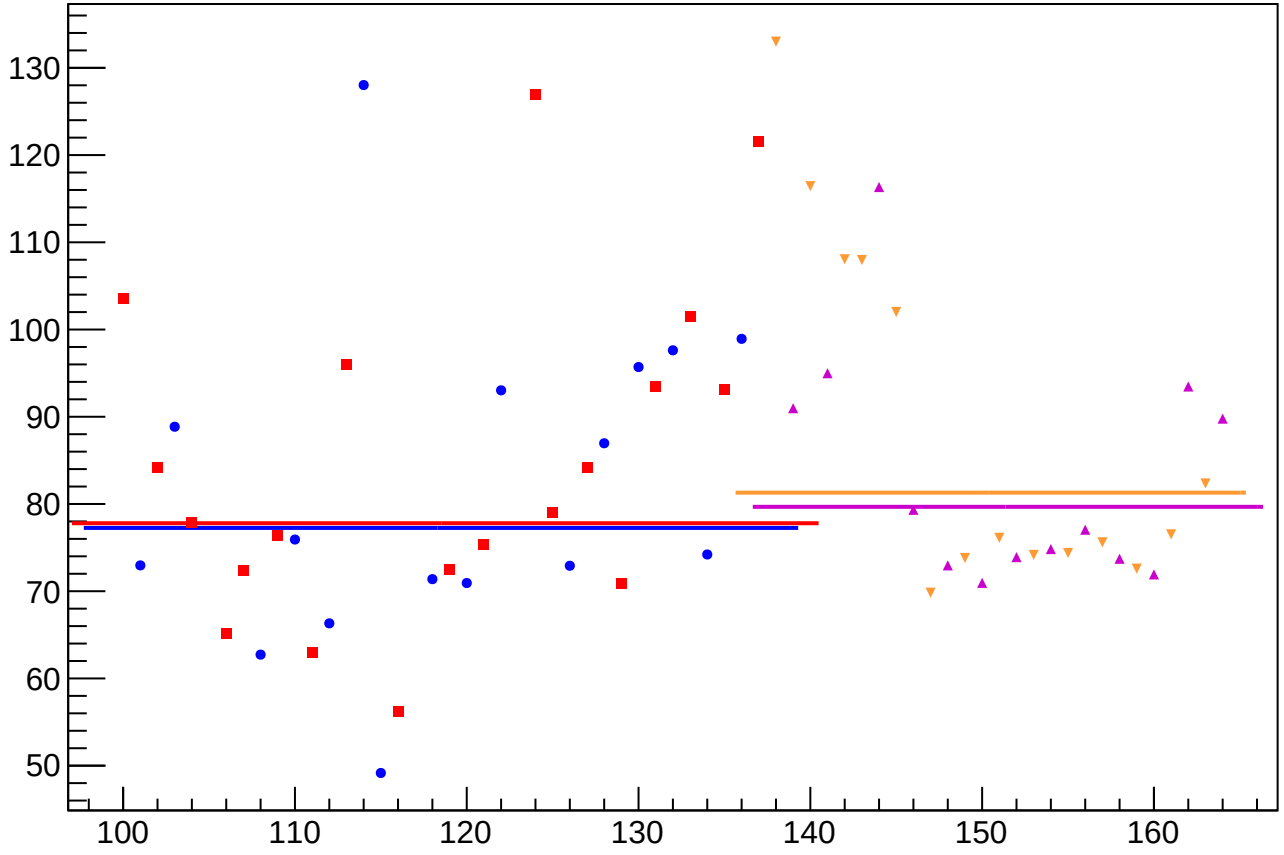
Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.006+/-0.014 χ^2/NDF: 78.9/61

- 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: 81.300+/-0.018 χ^2/NDF:711288.0/13

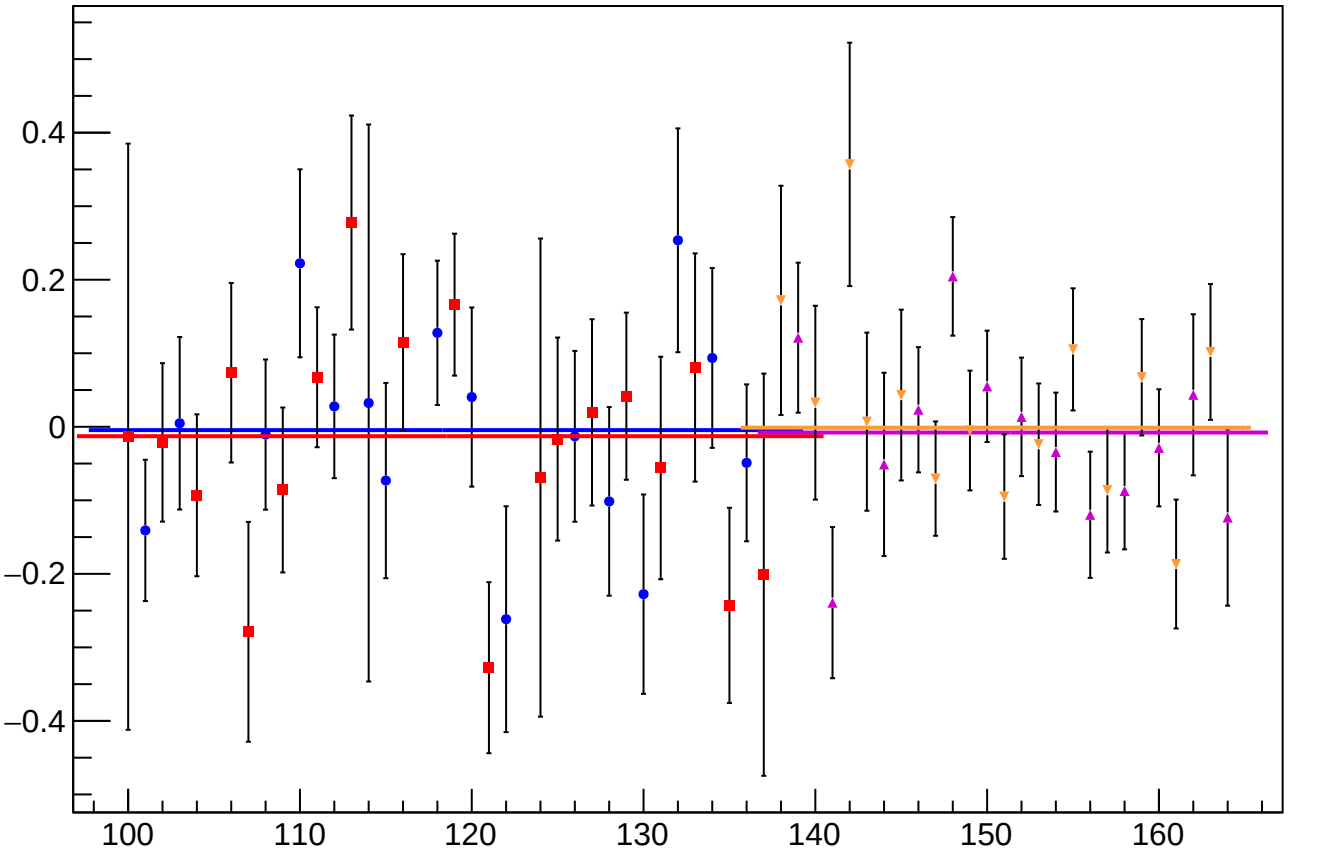
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

+ sign 79.628+/-0.014 χ^2/NDF: 1151796.1/29

All: 79.261+/-0.010 χ^2/NDF: 1932238.4/61

- 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: -0.001+/-0.025 χ^2/NDF:17.4/13

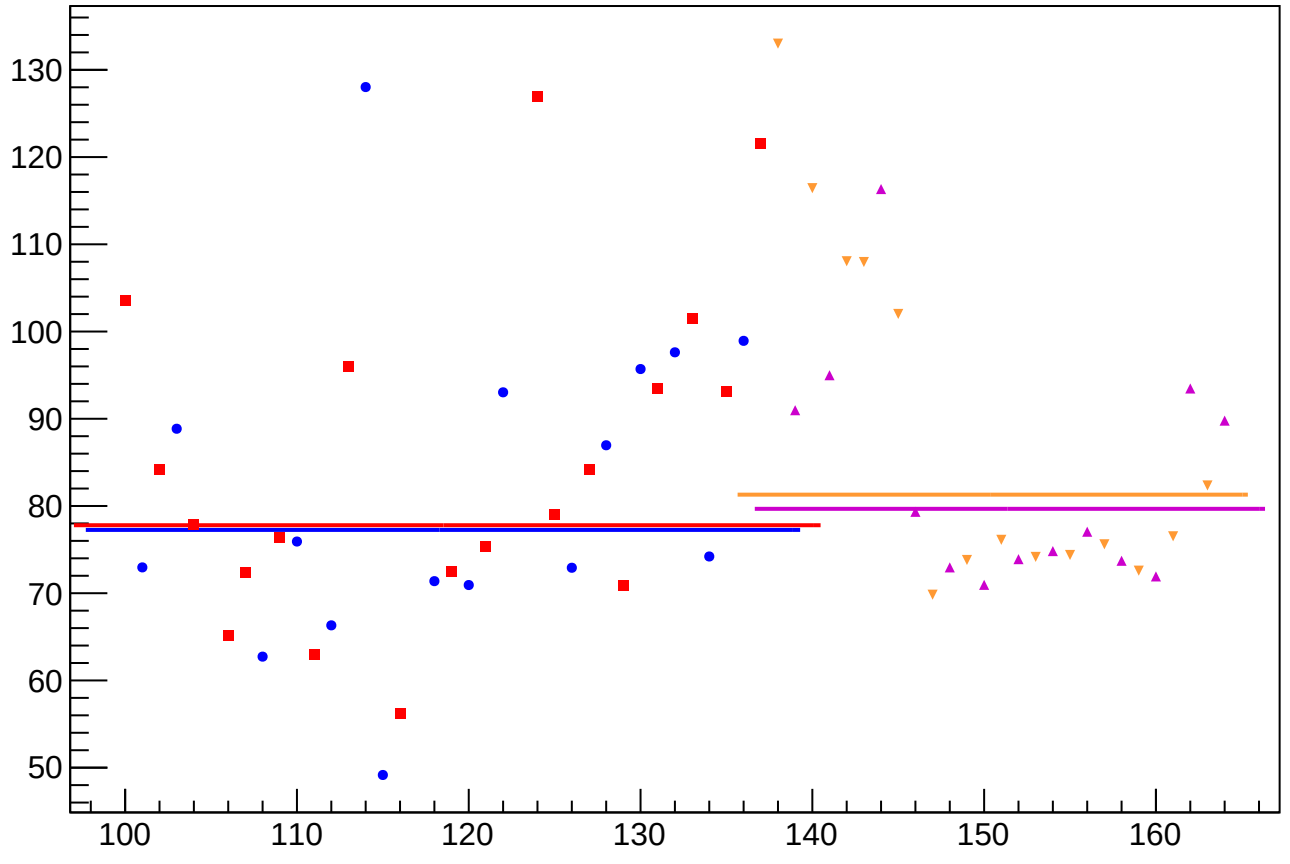
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.006+/-0.014 χ^2/NDF: 78.9/61

- 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: 81.300+/-0.018 χ^2/NDF:711288.0/13

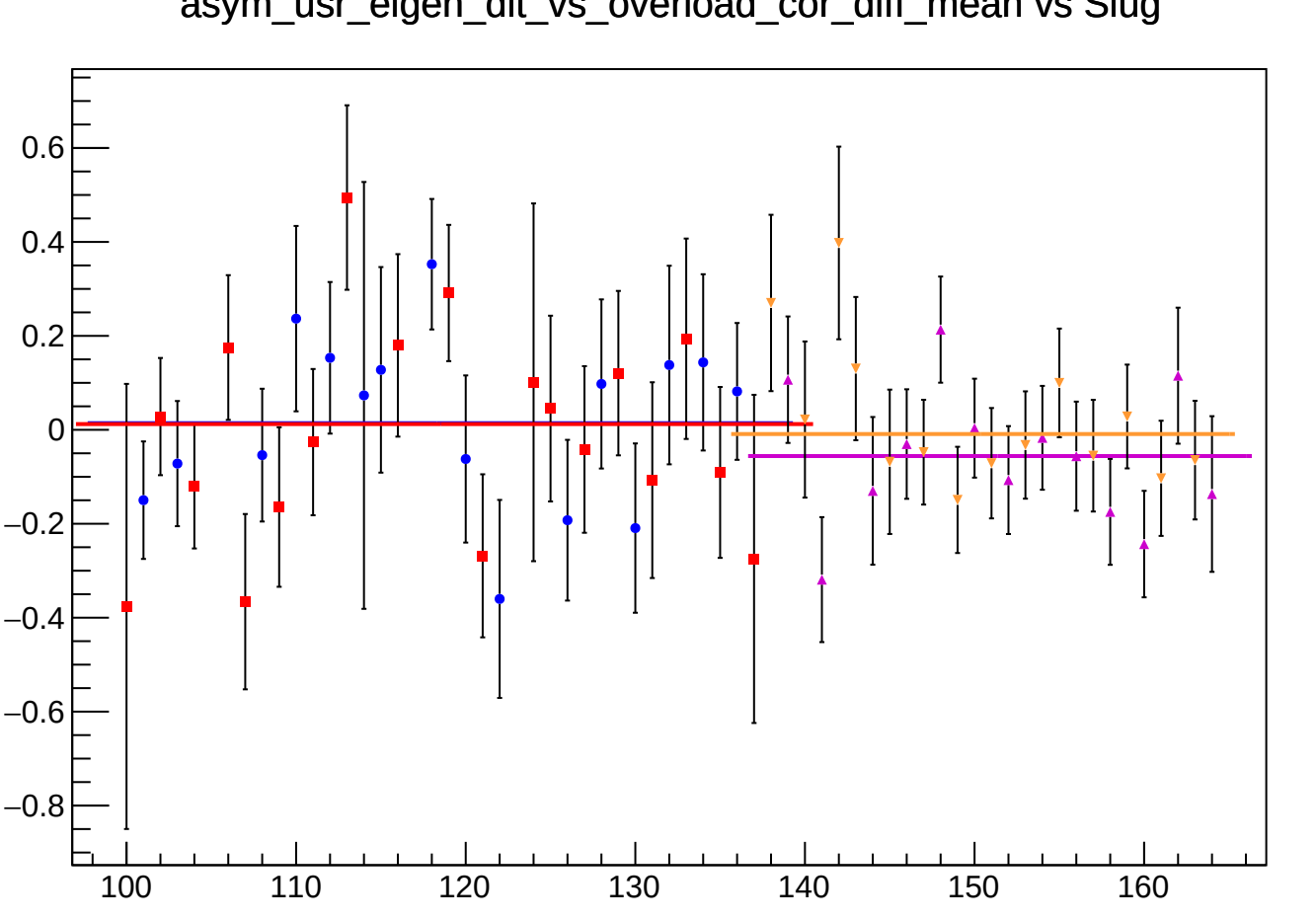
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

+ sign 79.628+/-0.014 χ^2/NDF: 1151796.1/29

All: 79.261+/-0.010 χ^2/NDF: 1932238.4/61

- sign 78.905+/-0.013 χ^2/NDF: 779017.2/31



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

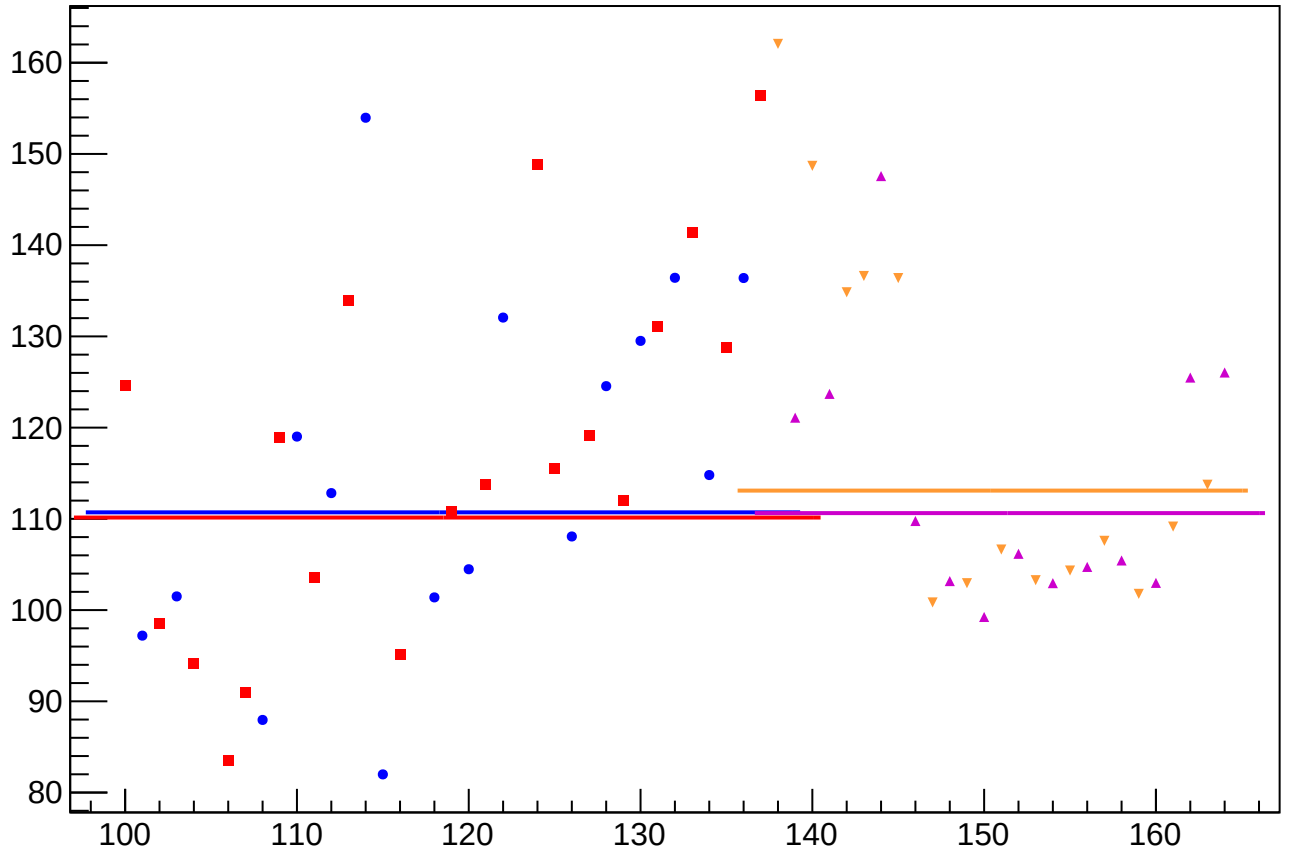
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.056+/-0.034 χ^2/NDF:17.4/12

+ sign 0.000+/-0.027 χ^2/NDF: 29.4/29

All: -0.014+/-0.019 χ^2/NDF: 72.8/61

- sign -0.028+/-0.026 χ^2/NDF: 42.8/31



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

Left Out: 113.098+/-0.024 χ^2/NDF:443867.0/13

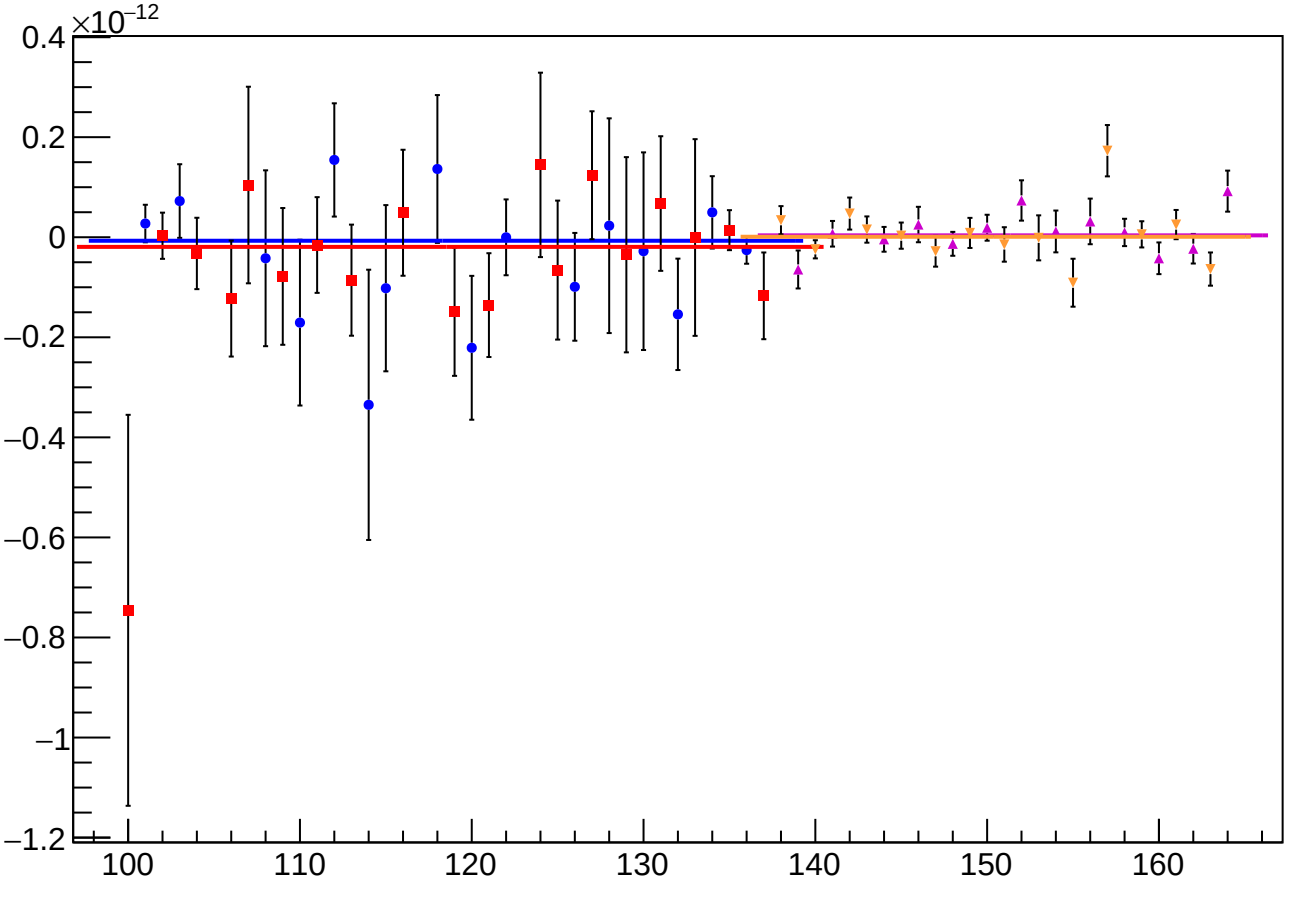
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.630+/-0.024 χ^2/NDF:243505.4/12

+ sign 112.143+/-0.019 χ^2/NDF: 747630.0/29

All: 111.272+/-0.013 χ^2/NDF: 1322157.2/61

- 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:26.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

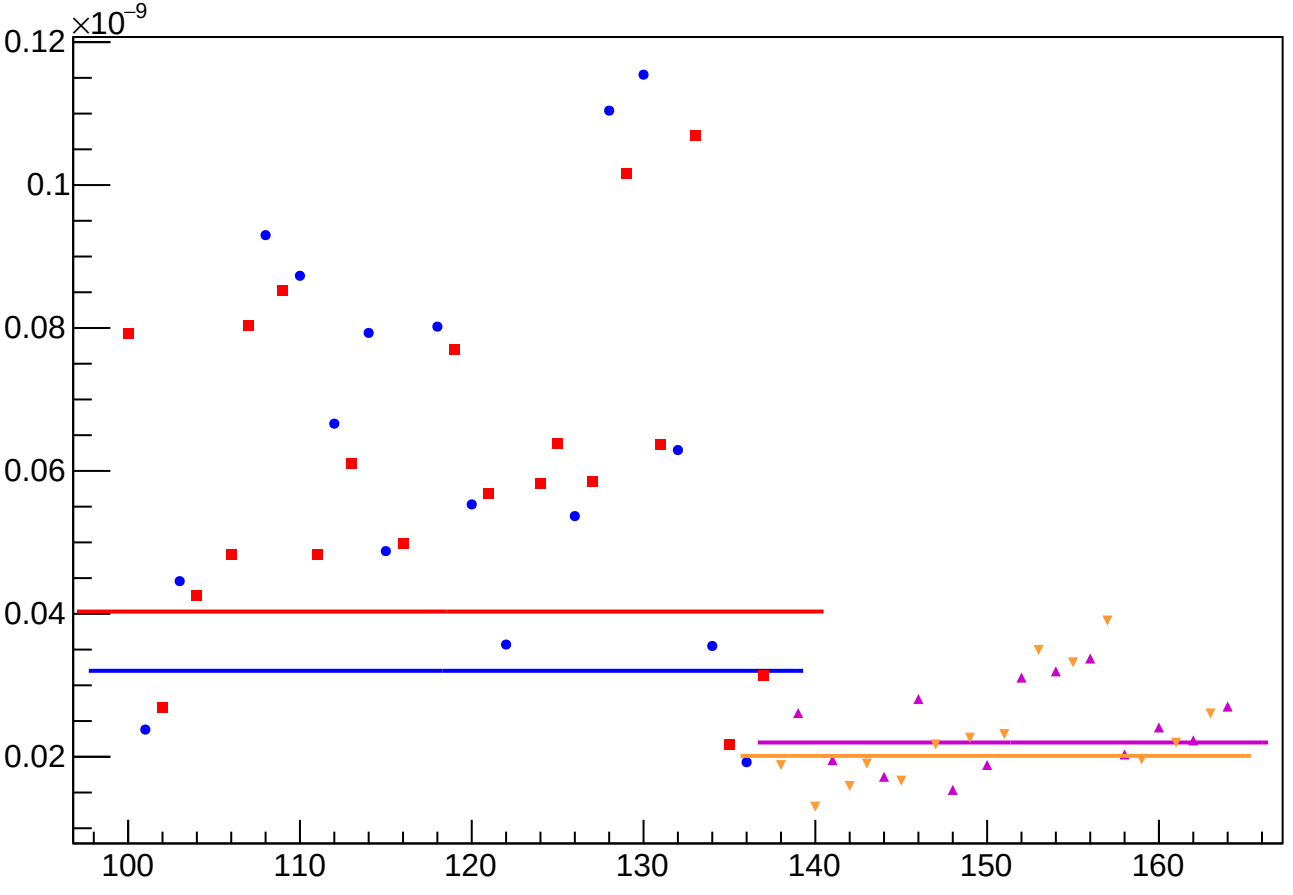
Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: 0.000+/-0.000 χ^2/NDF: 69.2/61

- 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:1130824.3/13

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

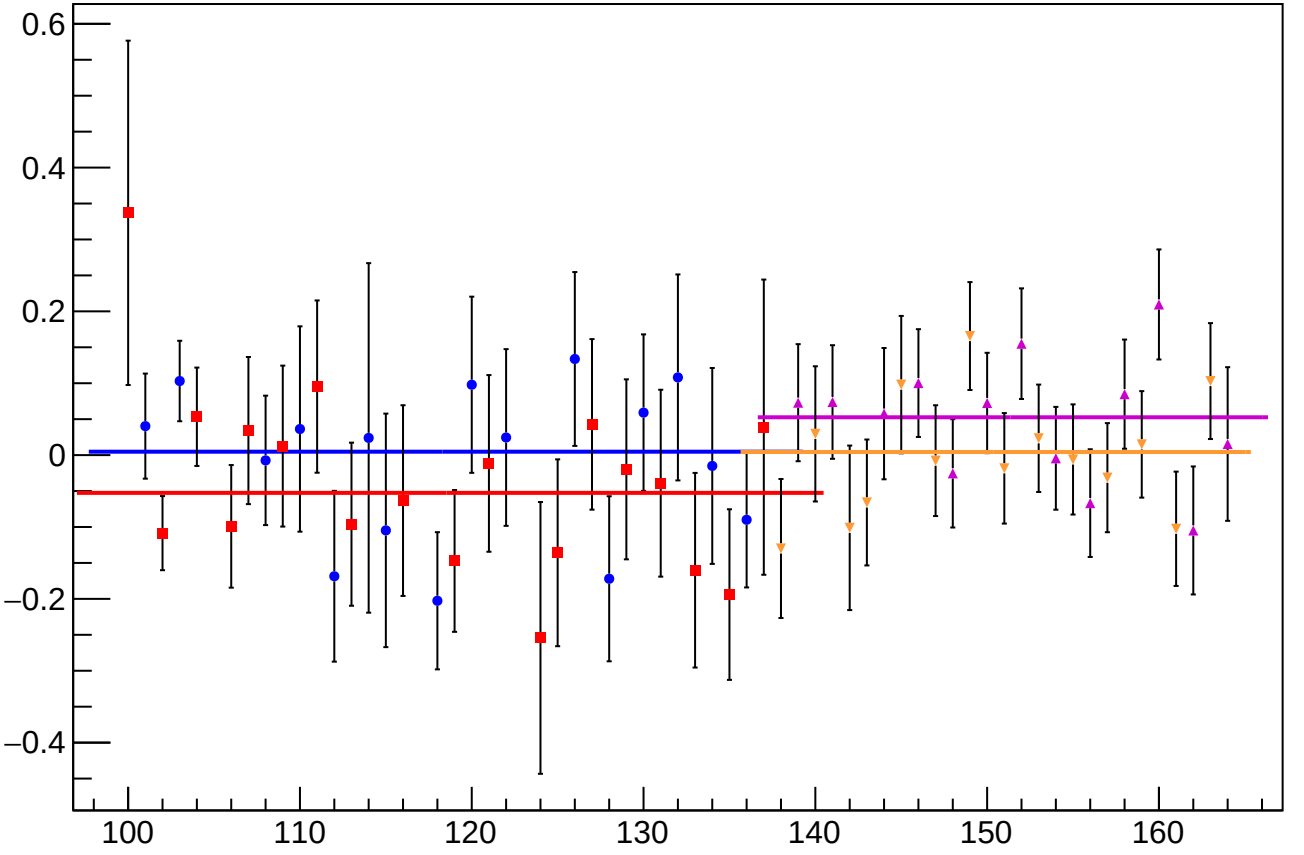
Left In: 0.000+/-0.000 χ^2/NDF:754160.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 4329002.2/29

All: 0.000+/-0.000 χ^2/NDF: 8352680.3/61

- 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: 0.004+/-0.022 χ^2/NDF:12.8/13

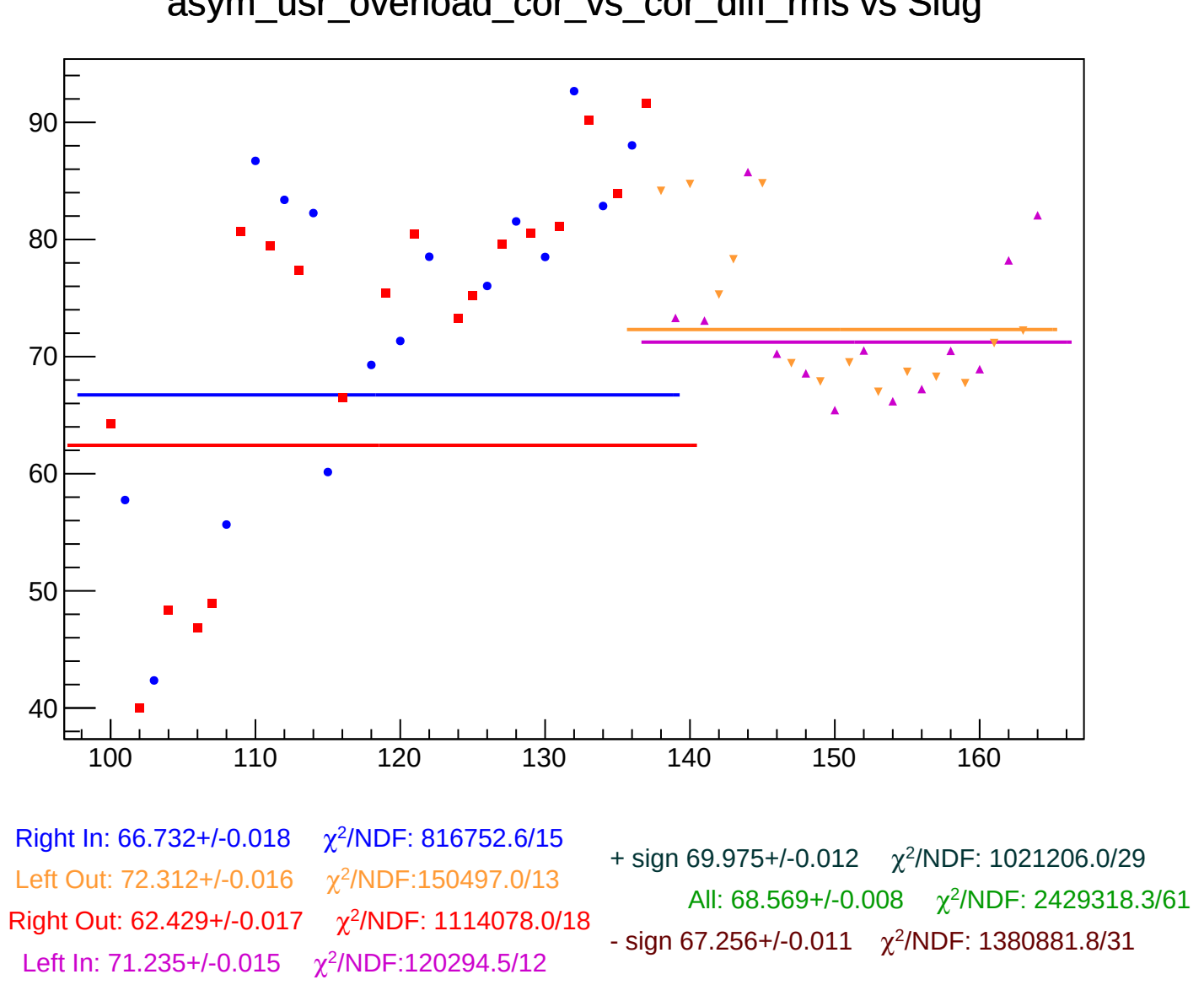
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

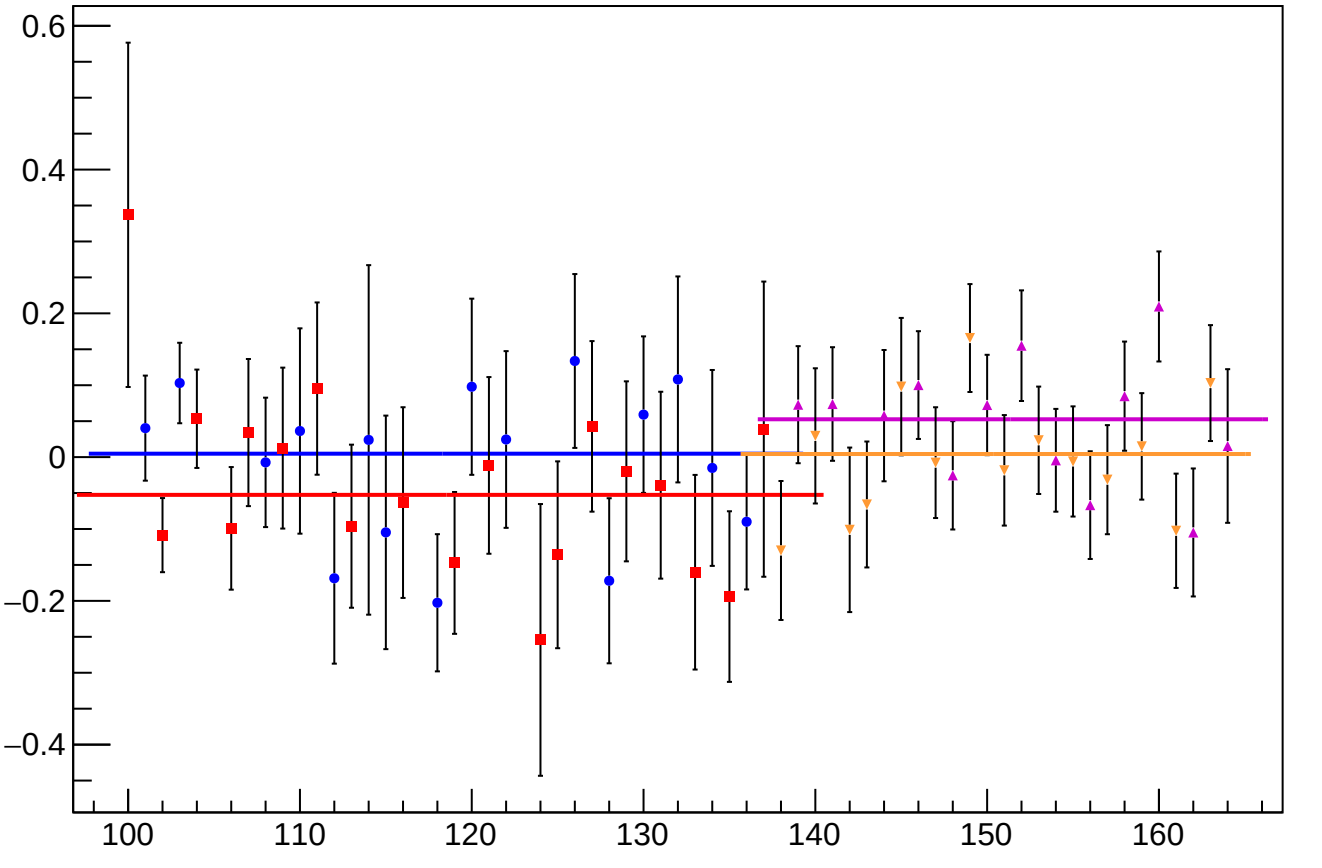
Left In: 0.053+/-0.022 χ^2/NDF:14.3/12

+ sign 0.004+/-0.017 χ^2/NDF: 29.4/29

All: 0.005+/-0.012 χ^2/NDF: 69.0/61

- sign 0.005+/-0.016 χ^2/NDF: 39.5/31


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.312+/-0.016 χ²/NDF:150497.0/13
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.235+/-0.015 χ²/NDF:120294.5/12
+ sign 69.975+/-0.012 χ²/NDF: 1021206.0/29
All: 68.569+/-0.008 χ²/NDF: 2429318.3/61
- sign 67.256+/-0.011 χ²/NDF: 1380881.8/31



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

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

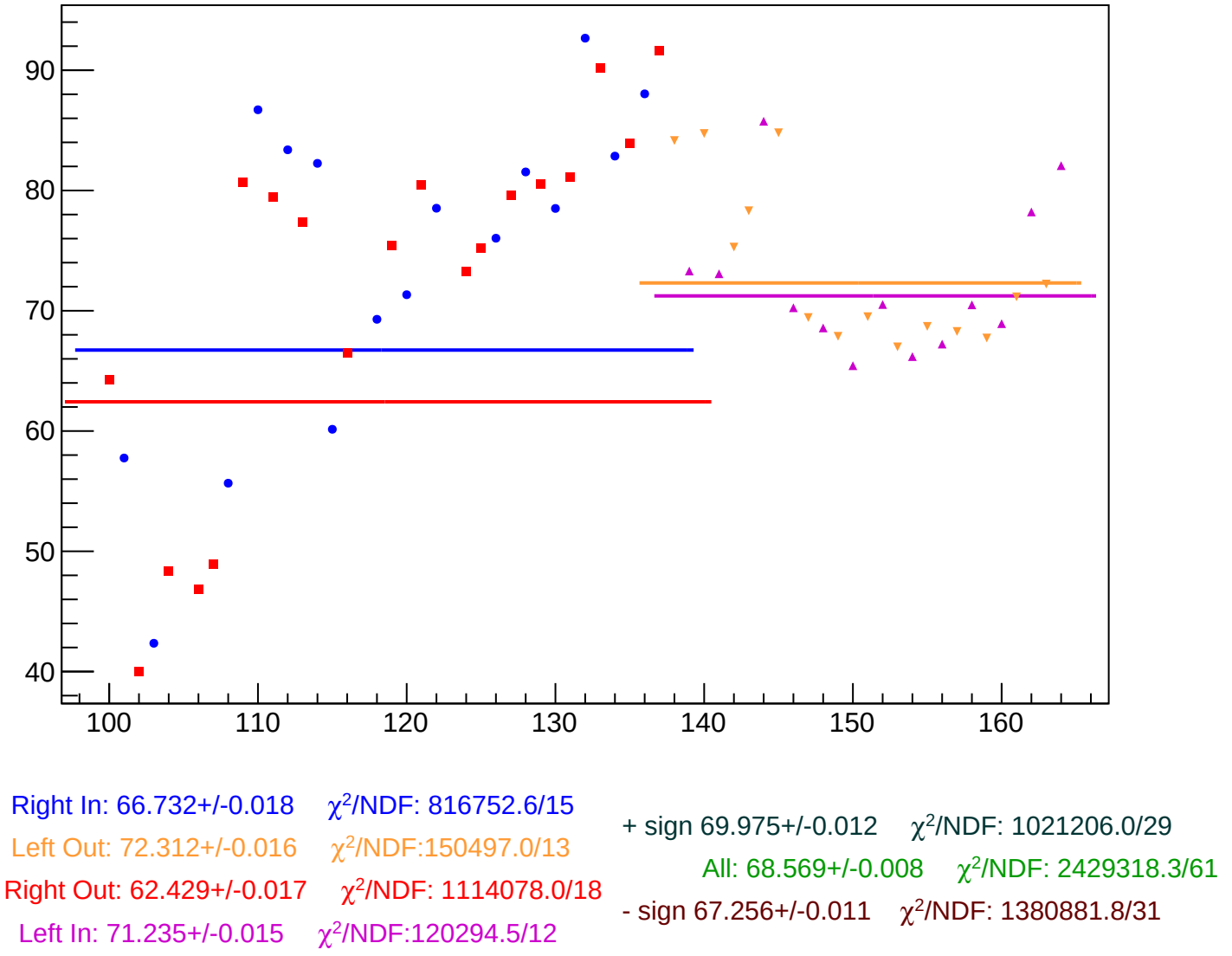
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.053+/-0.022 χ^2/NDF:14.3/12

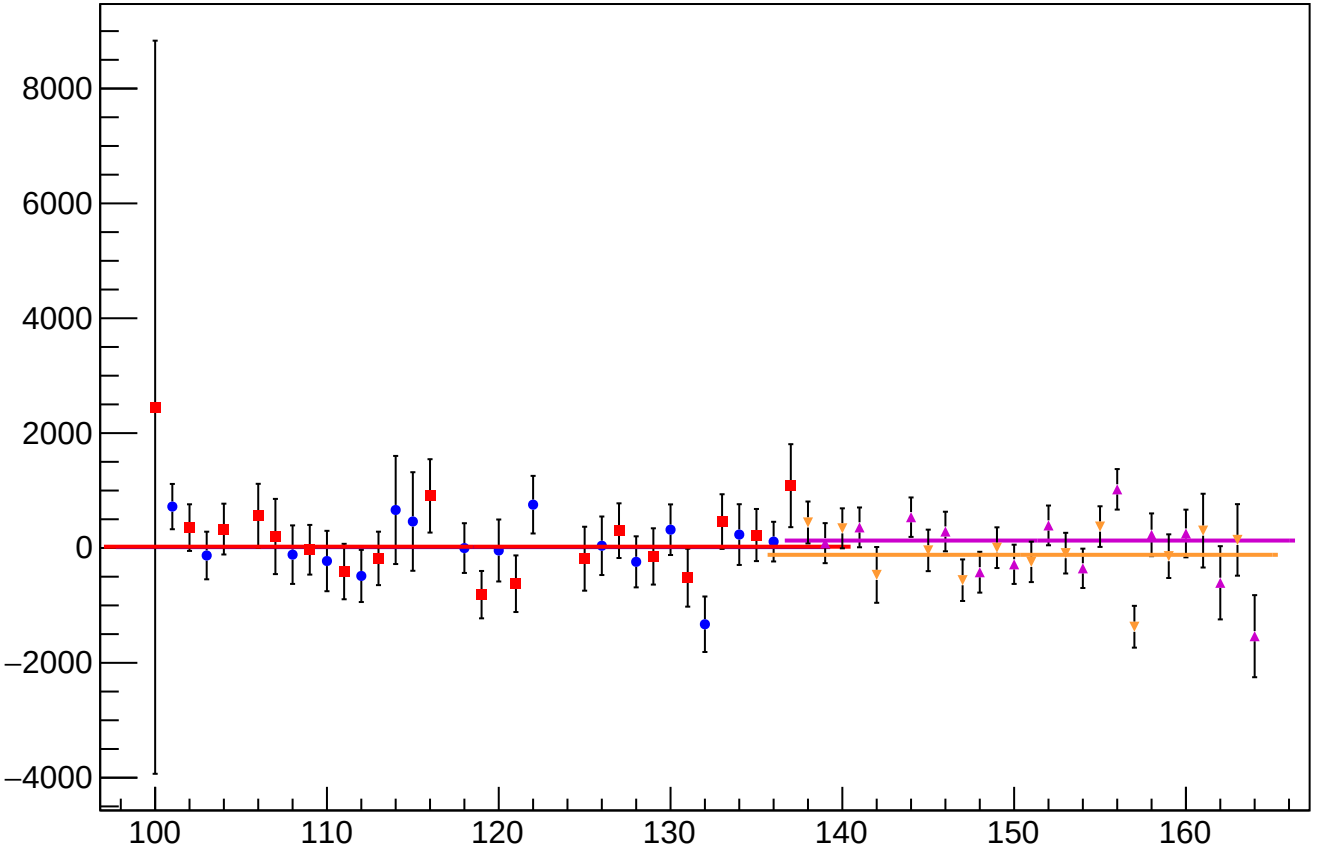
+ sign 0.004+/-0.017 χ^2/NDF: 29.4/29

All: 0.005+/-0.012 χ^2/NDF: 69.0/61

- 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: 72.312+/-0.016 χ²/NDF:150497.0/13
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.235+/-0.015 χ²/NDF:120294.5/12
+ sign 69.975+/-0.012 χ²/NDF: 1021206.0/29
All: 68.569+/-0.008 χ²/NDF: 2429318.3/61
- 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: -119.036+/-107.359 χ^2/NDF:20.8/12

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

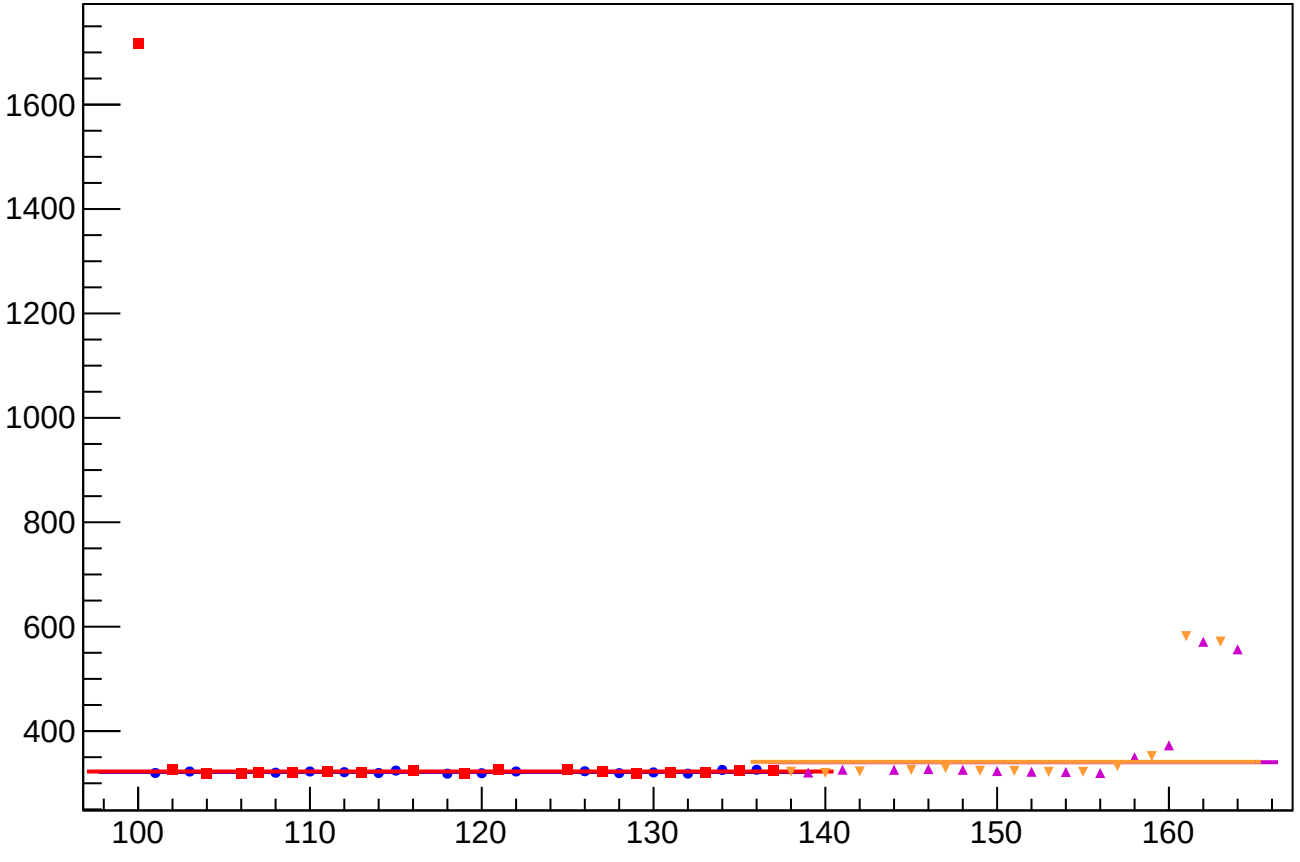
Left In: 129.396+/-104.107 χ^2/NDF:21.8/12

\+ sign -58.901+/-79.842 χ^2/NDF: 38.1/28

All: 13.325+/-55.945 χ^2/NDF: 77.9/59

\- 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: 341.123+/-0.076 χ^2/NDF:599863.2/12

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

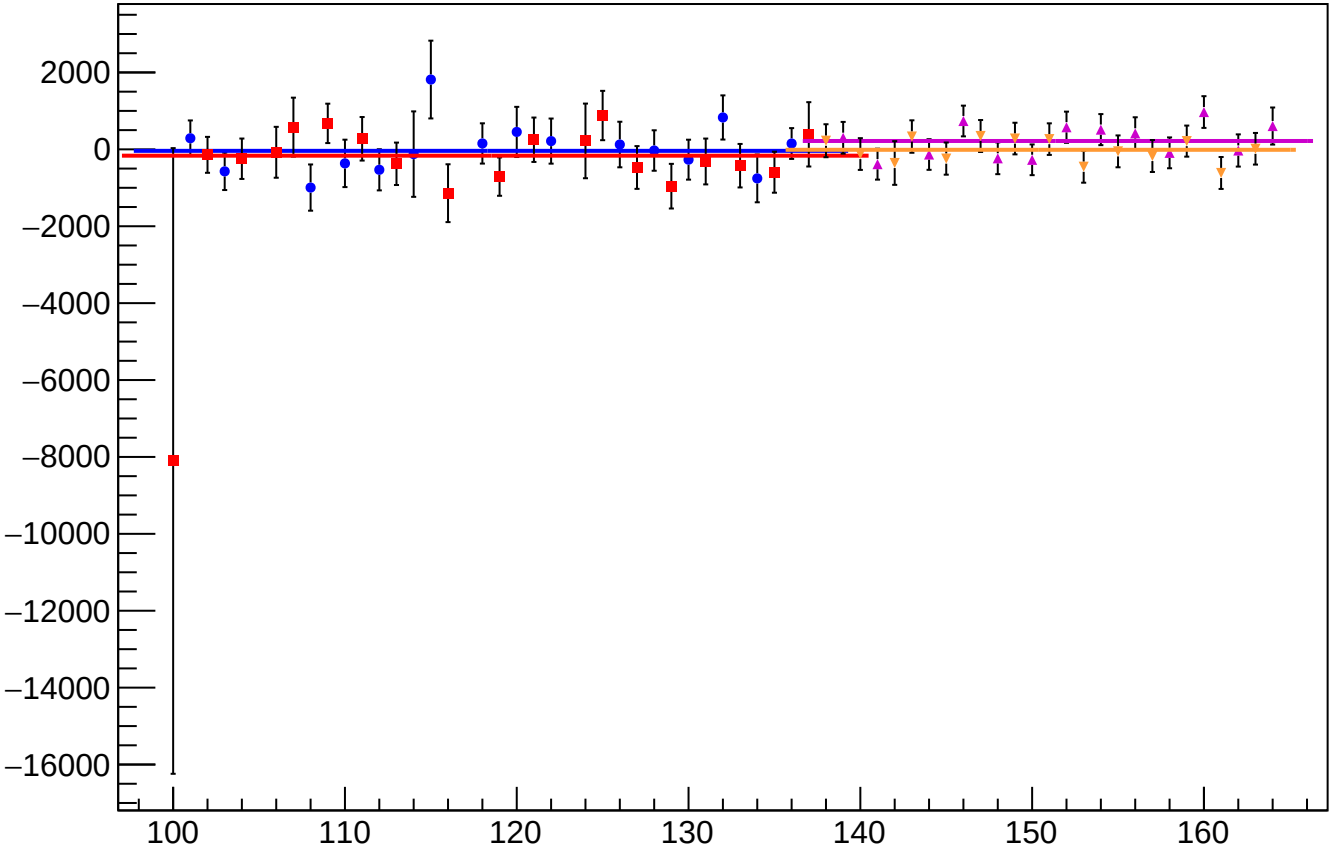
Left In: 340.383+/-0.074 χ^2/NDF:501166.5/12

\+ sign 332.399+/-0.056 χ^2/NDF: 630231.4/28

All: 332.536+/-0.040 χ^2/NDF: 1253683.3/59

\- 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: -11.957+/-112.795 χ^2/NDF:7.1/13

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

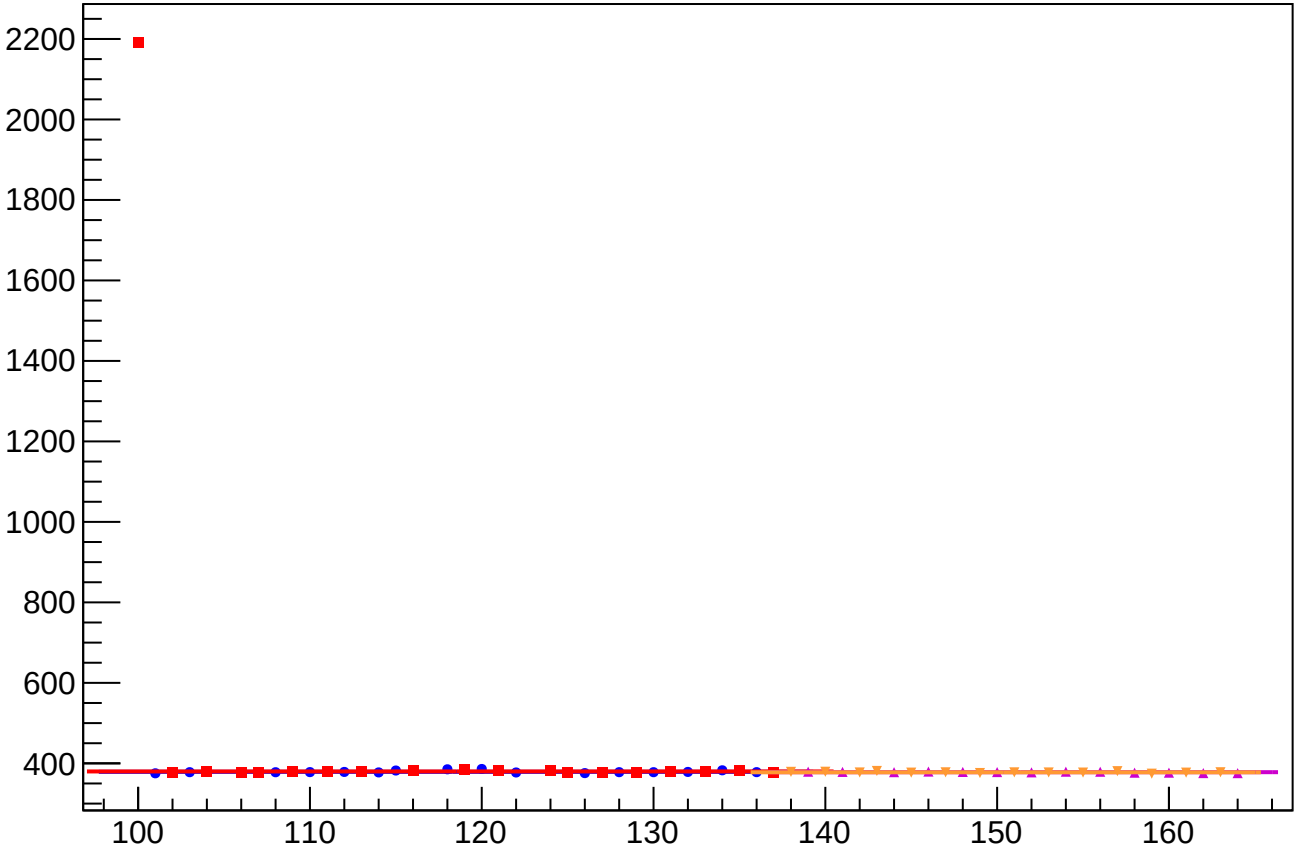
Left In: 217.520+/-114.143 χ^2/NDF:13.9/12

+ sign -22.502+/-88.011 χ^2/NDF: 20.9/29

All: 20.434+/-62.301 χ^2/NDF: 54.9/61

- 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: 377.745+/-0.080 χ^2/NDF:454.5/13

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

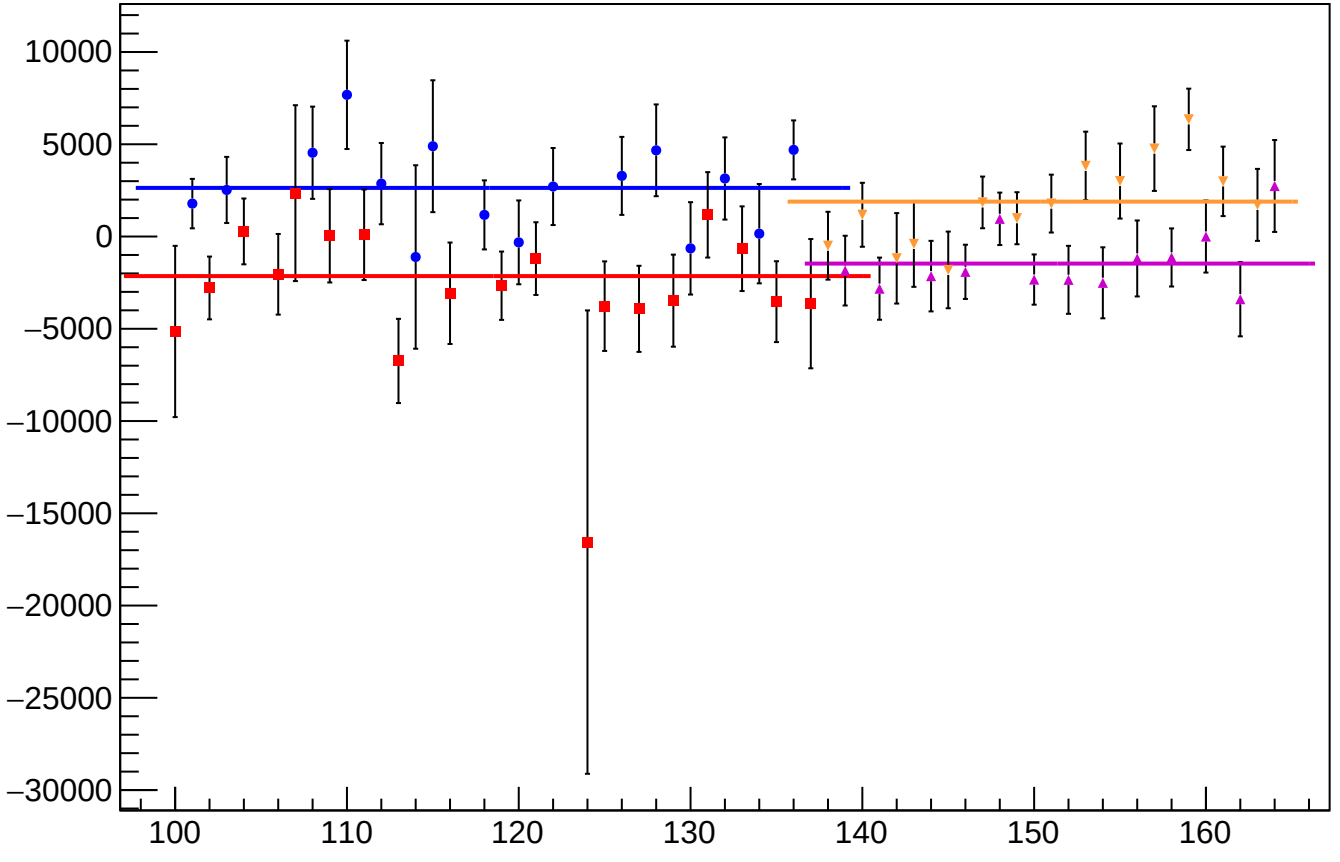
Left In: 378.056+/-0.081 χ^2/NDF:234.8/12

+ sign 378.201+/-0.062 χ^2/NDF: 1389.2/29

All: 378.495+/-0.044 χ^2/NDF: 101495.5/61

- 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: 1891.275+/-484.541 χ^2/NDF:18.5/13

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

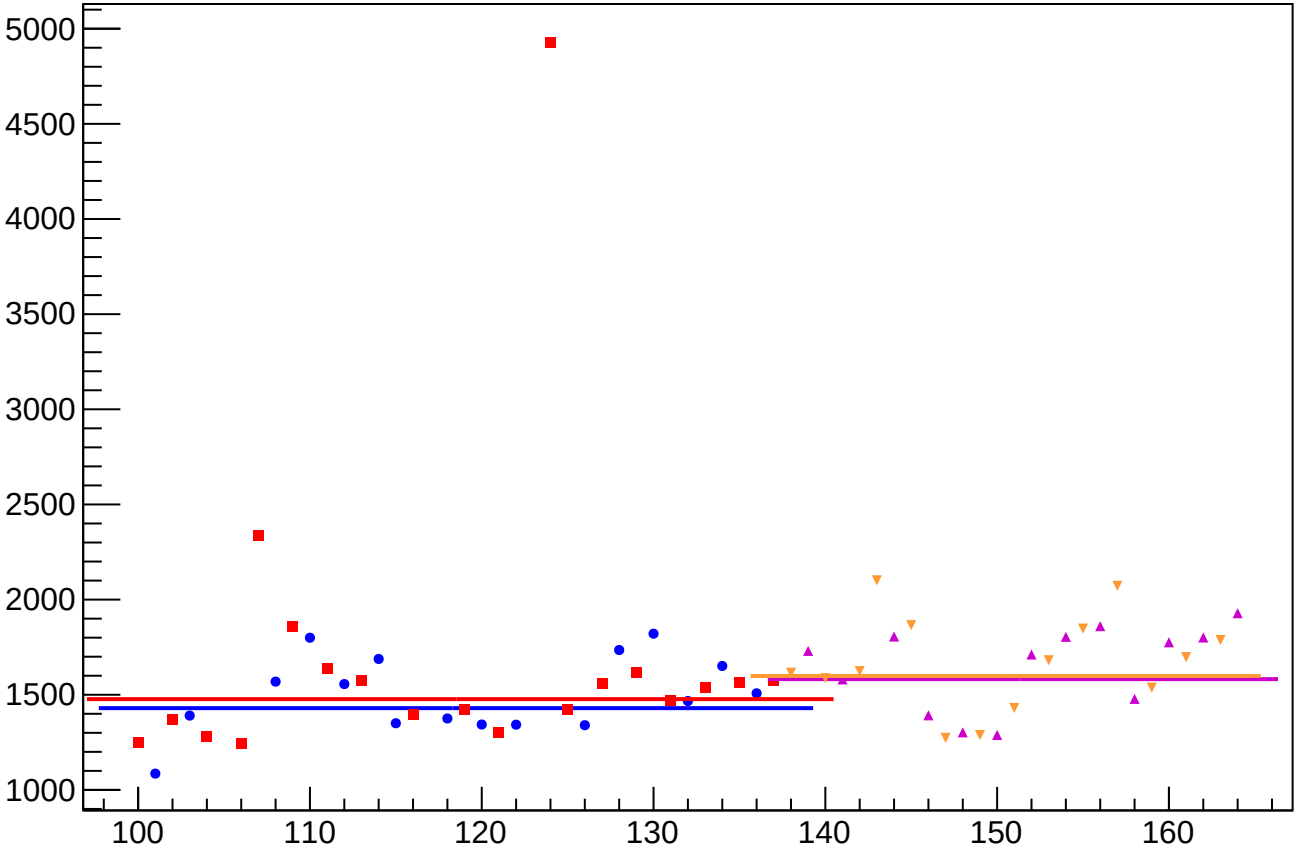
Left In: -1466.491+/-483.488 χ^2/NDF:9.1/12

+ sign 2224.515+/-360.053 χ^2/NDF: 31.8/29

All: 242.431+/-255.369 χ^2/NDF: 117.8/61

- 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: 1598.629+/-0.343 χ^2/NDF:500530.7/13

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

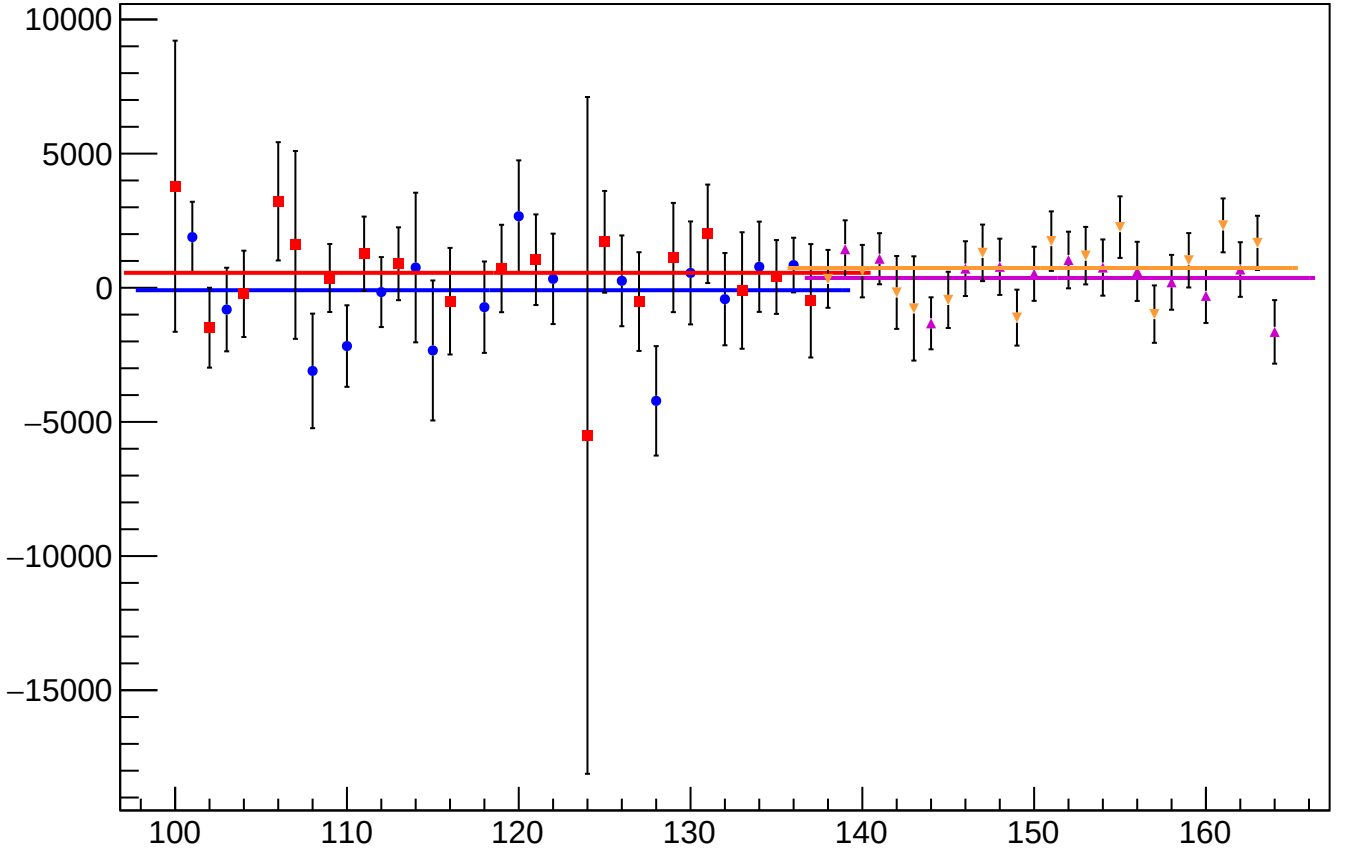
Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

+ sign 1522.957+/-0.255 χ^2/NDF: 902844.8/29

All: 1529.497+/-0.181 χ^2/NDF: 1722345.6/61

- 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: 737.060+/-292.335 χ^2/NDF:14.7/13

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

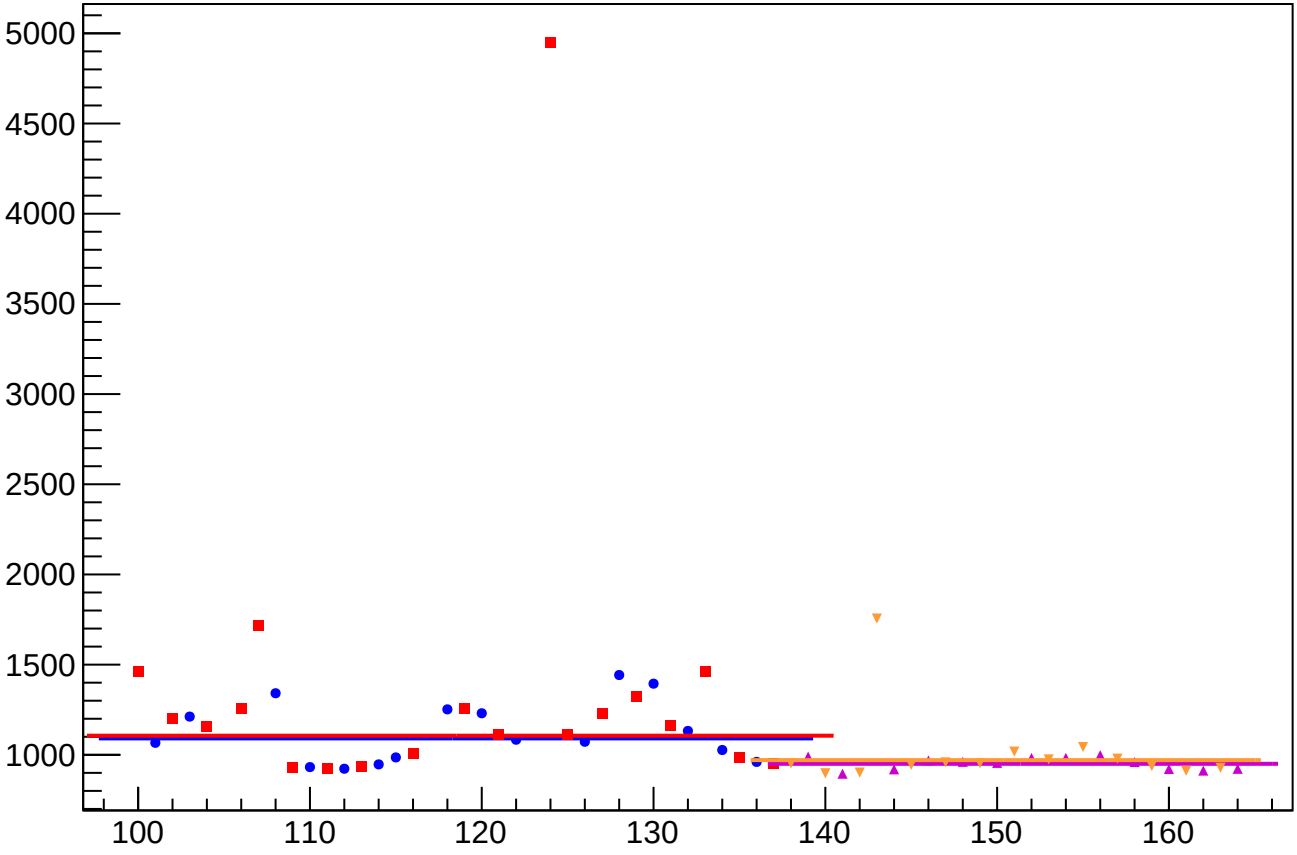
Left In: 365.405+/-287.103 χ^2/NDF:8.9/12

+ sign 457.829+/-238.018 χ^2/NDF: 31.9/29

All: 442.808+/-167.381 χ^2/NDF: 47.8/61

- 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: 970.599+/-0.207 χ^2/NDF:369379.8/13

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

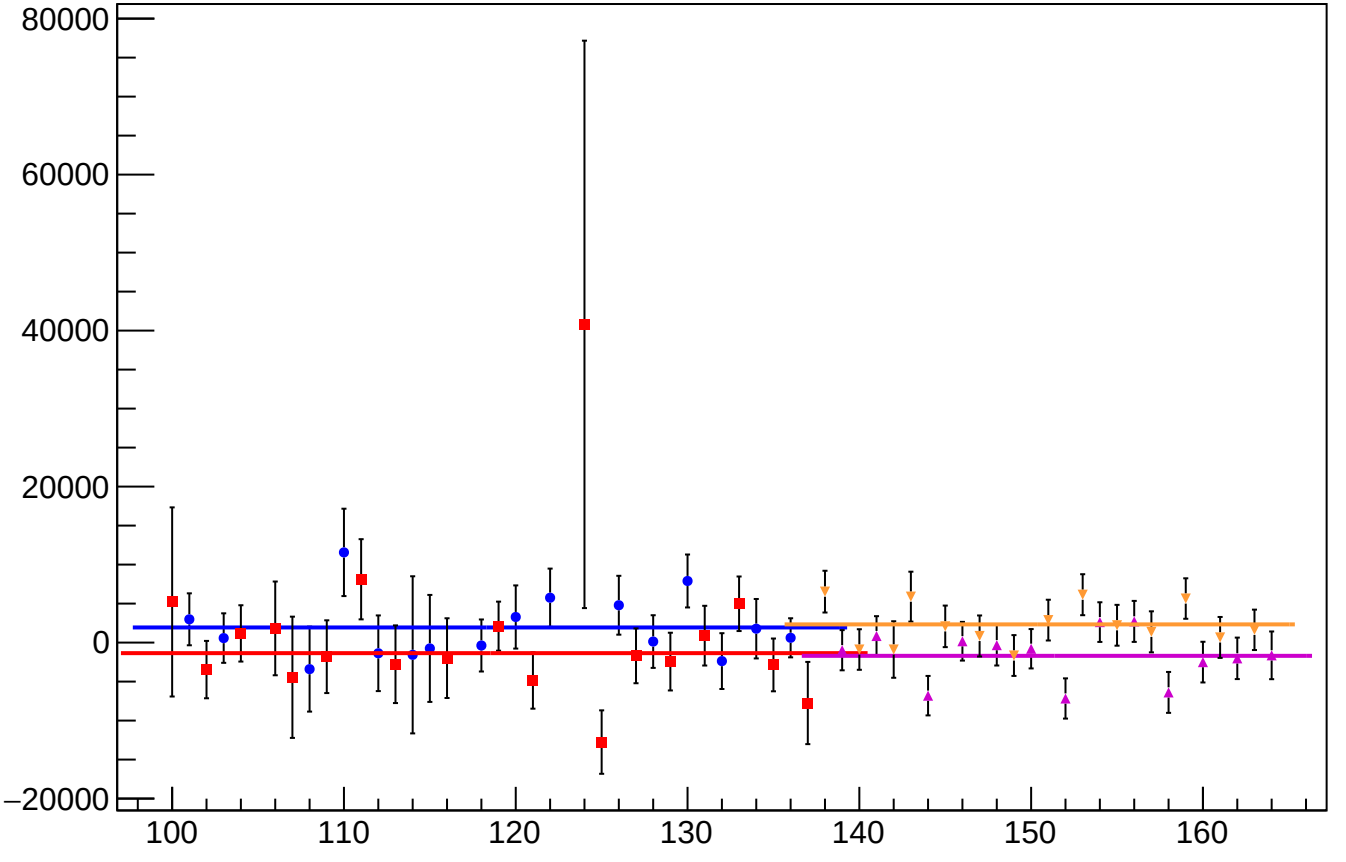
Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

+ sign 1011.198+/-0.168 χ^2/NDF: 761121.9/29

All: 1006.167+/-0.118 χ^2/NDF: 1495686.9/61

- 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: 2333.081+/-722.106 χ^2/NDF:13.1/13

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

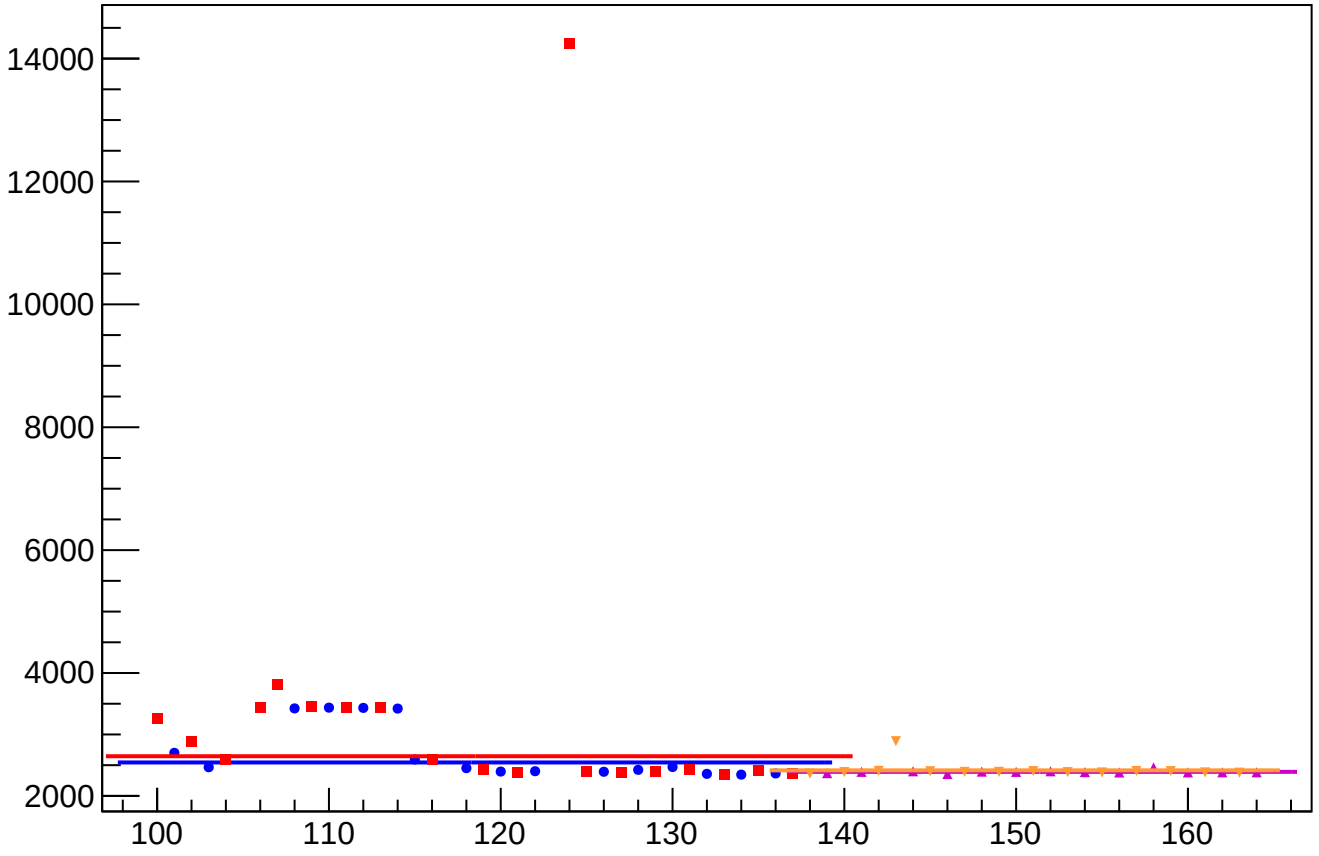
Left In: -1698.684+/-722.032 χ^2/NDF:19.6/12

+ sign 2189.498+/-575.443 χ^2/NDF: 25.4/29

All: 328.241+/-409.323 χ^2/NDF: 88.1/61

- 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: 2415.846+/-0.511 χ^2/NDF:46864.8/13

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

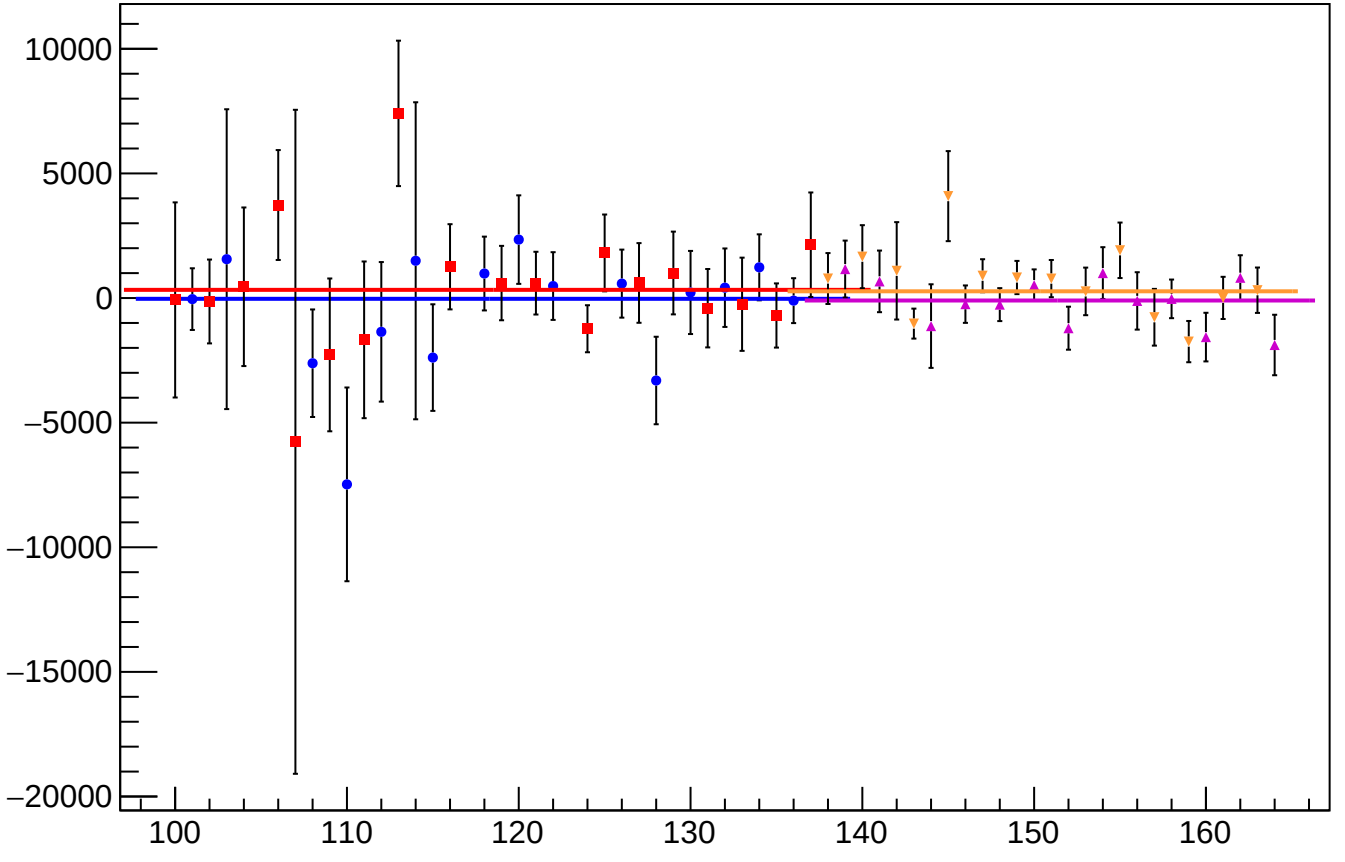
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2471.429+/-0.289 χ^2/NDF: 922313.6/61

- 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: 270.405+/-235.833 χ^2/NDF:21.9/13

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

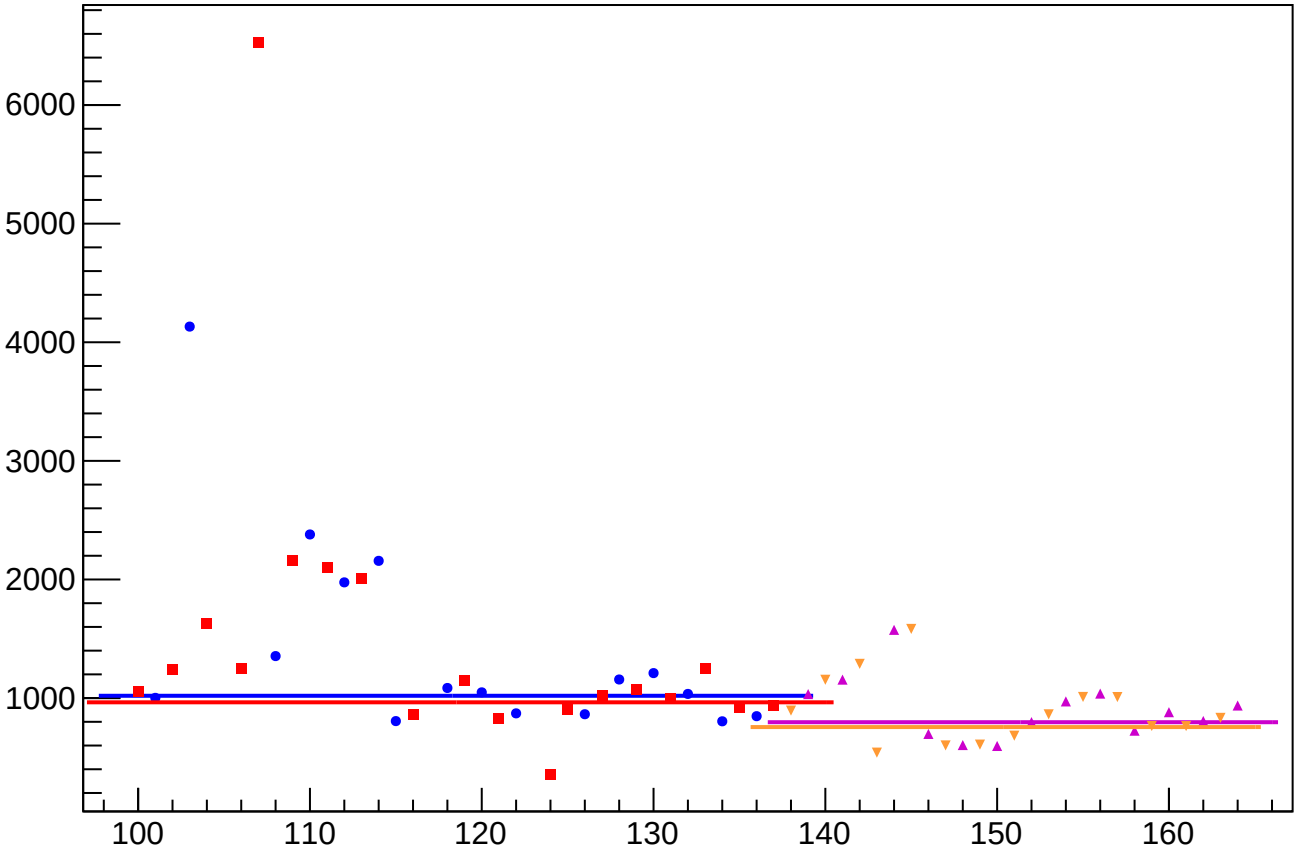
Left In: -98.880+/-250.067 χ^2/NDF:11.3/12

+ sign 194.240+/-203.891 χ^2/NDF: 36.1/29

All: 111.325+/-146.898 χ^2/NDF: 64.1/61

- 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: 755.648+/-0.167 χ^2/NDF:1531057.7/13

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

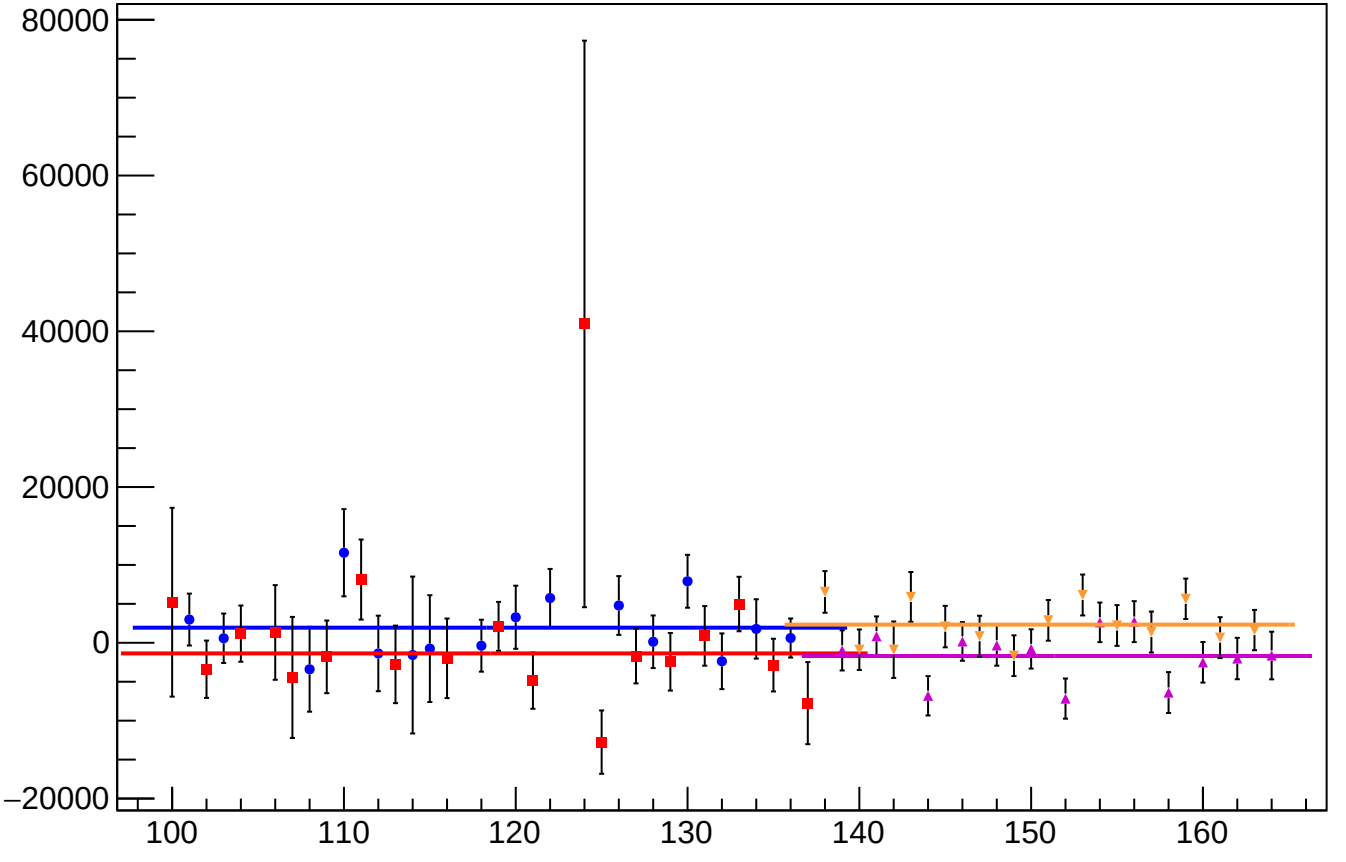
Left In: 796.670+/-0.177 χ^2/NDF:1295363.6/12

+ sign 822.287+/-0.144 χ^2/NDF: 3528138.5/29

All: 832.749+/-0.104 χ^2/NDF: 7397898.7/61

- 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: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

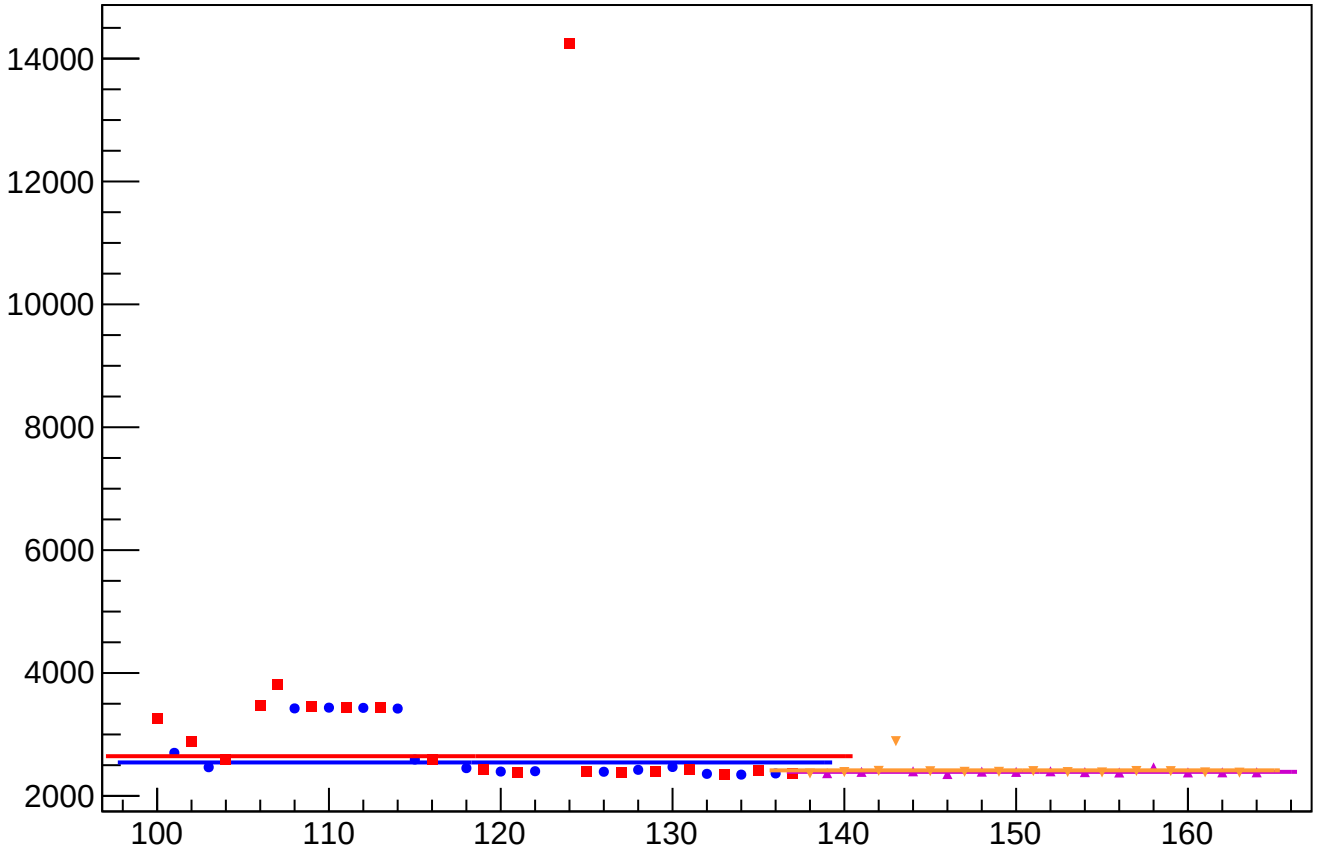
Left In: -1698.810+/-722.032 χ^2/NDF:19.6/12

+ sign 2189.577+/-575.443 χ^2/NDF: 25.4/29

All: 326.751+/-409.345 χ^2/NDF: 88.1/61

- 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: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

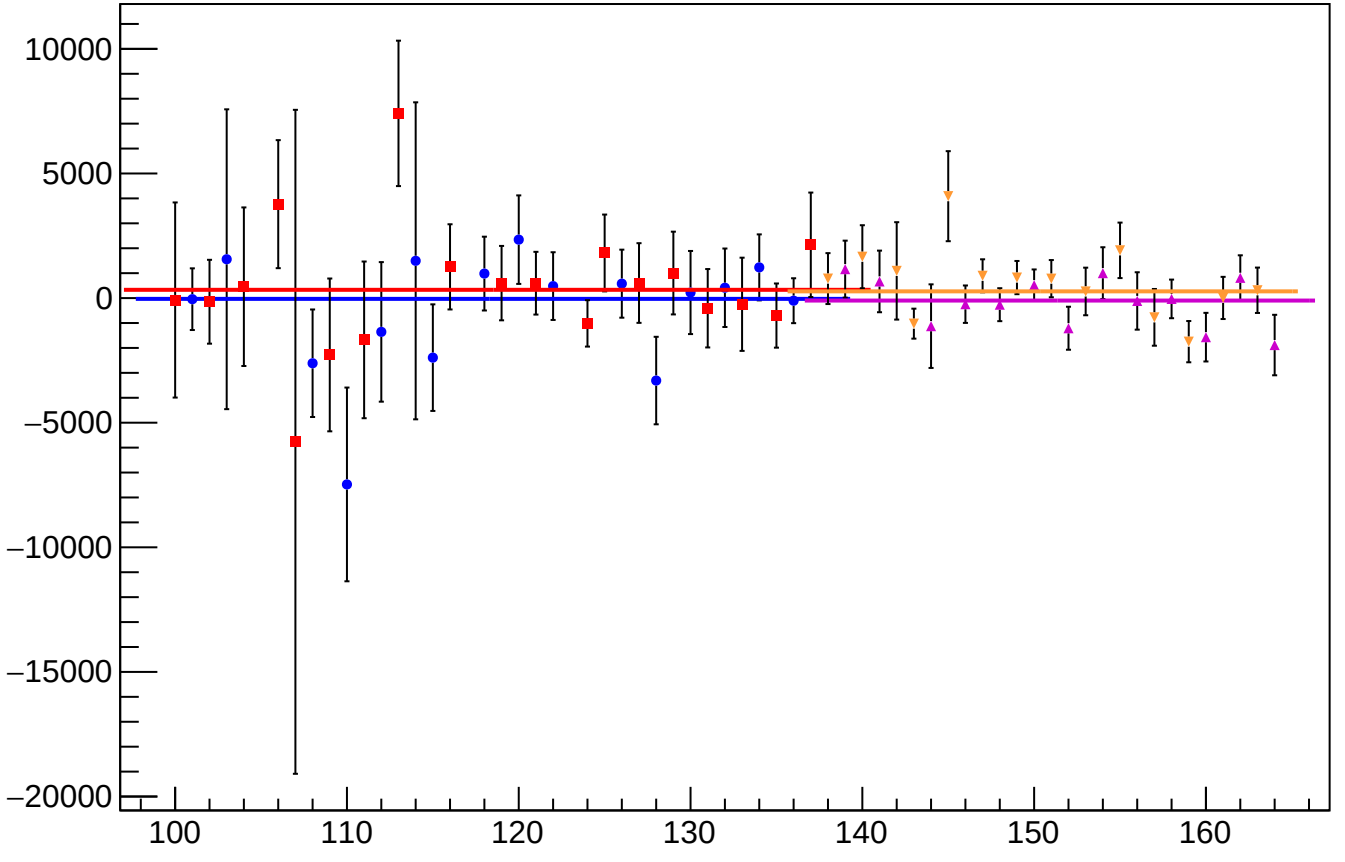
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2471.507+/-0.289 χ^2/NDF: 925256.8/61

- 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: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

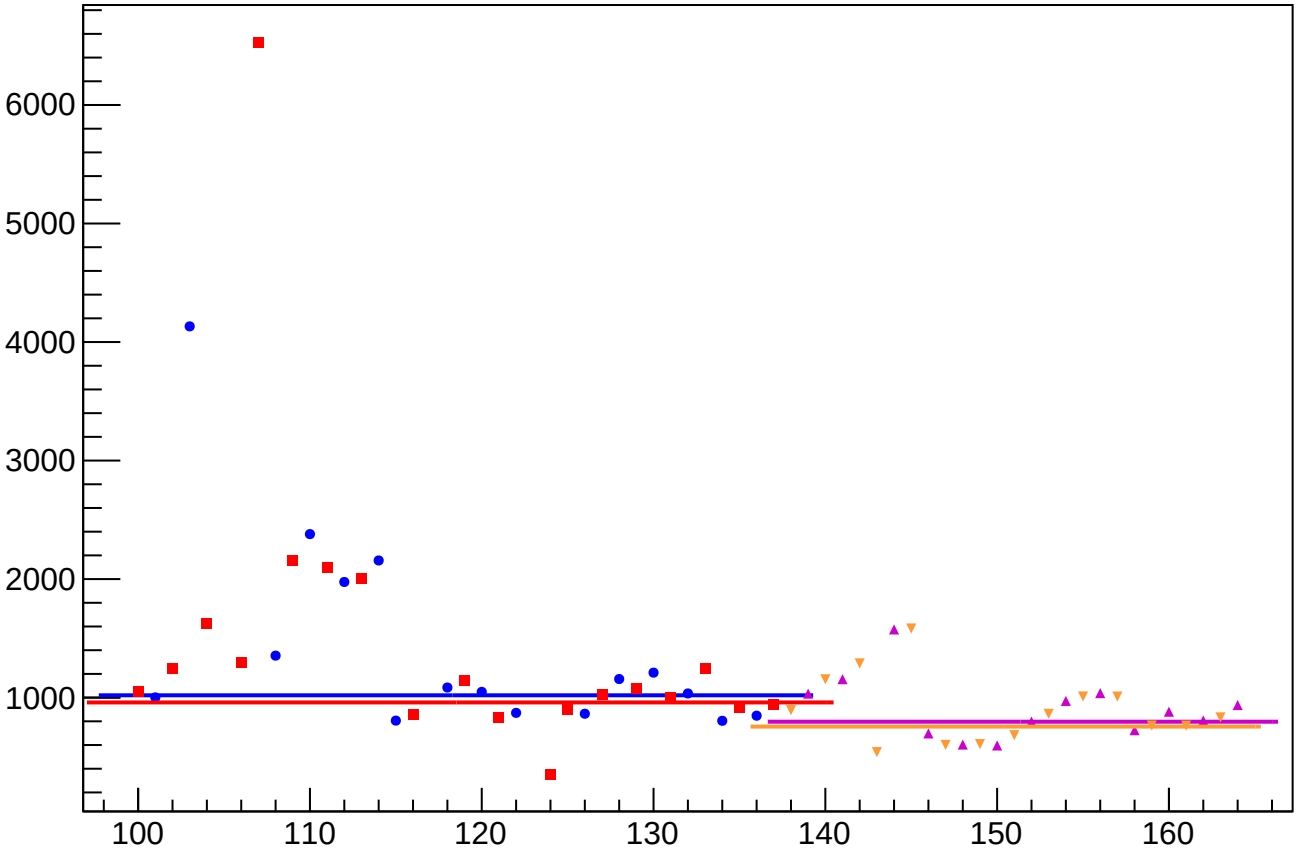
Left In: -98.984+/-250.067 χ^2/NDF:11.3/12

+ sign 194.170+/-203.893 χ^2/NDF: 36.1/29

All: 111.611+/-146.937 χ^2/NDF: 62.9/61

- 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: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

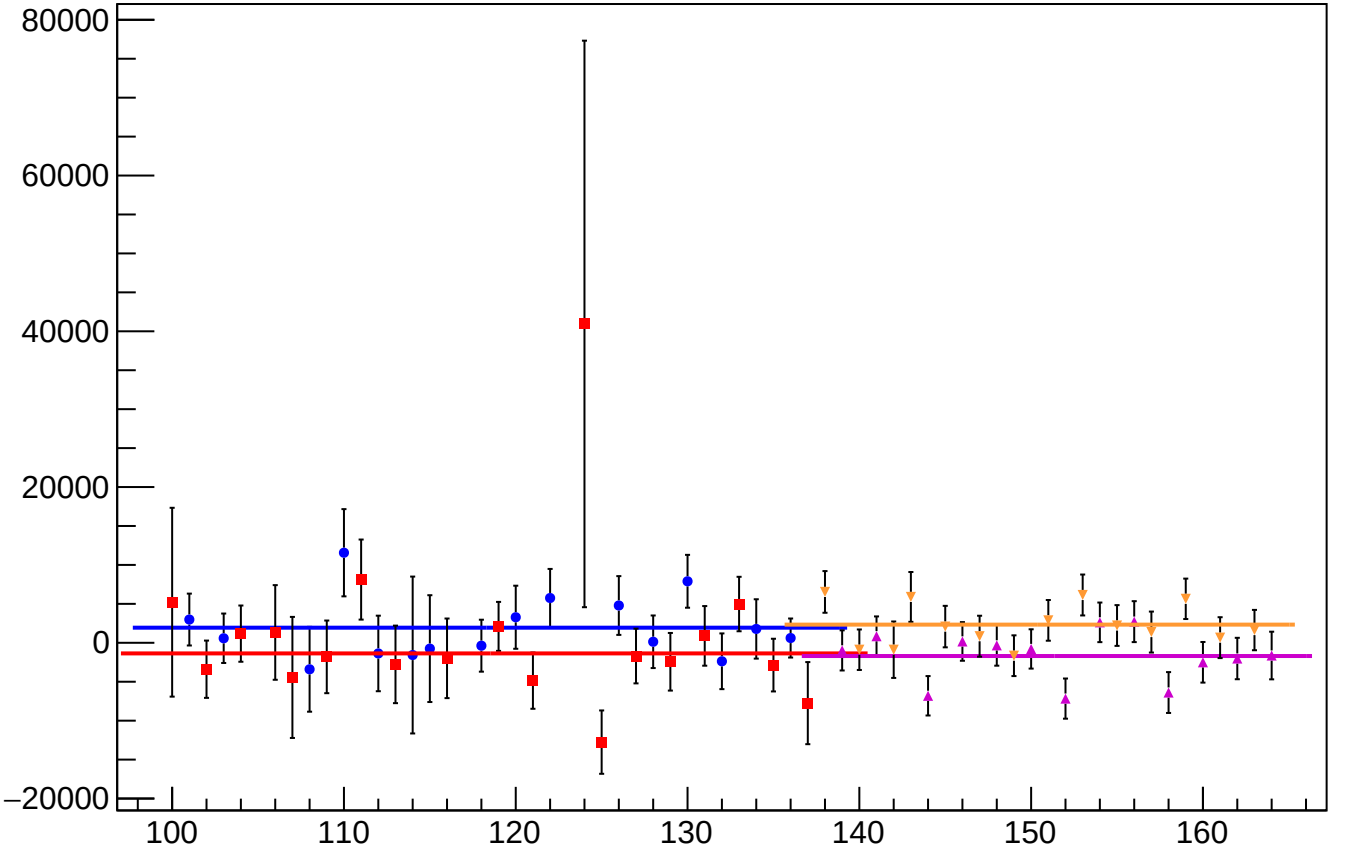
Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

\+ sign 822.297+/-0.144 χ^2/NDF: 3528018.4/29

All: 832.004+/-0.104 χ^2/NDF: 7415773.4/61

\- 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: 2333.005+/-722.106 χ^2/NDF:13.1/13

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 2189.577+/-575.443 χ^2/NDF: 25.4/29

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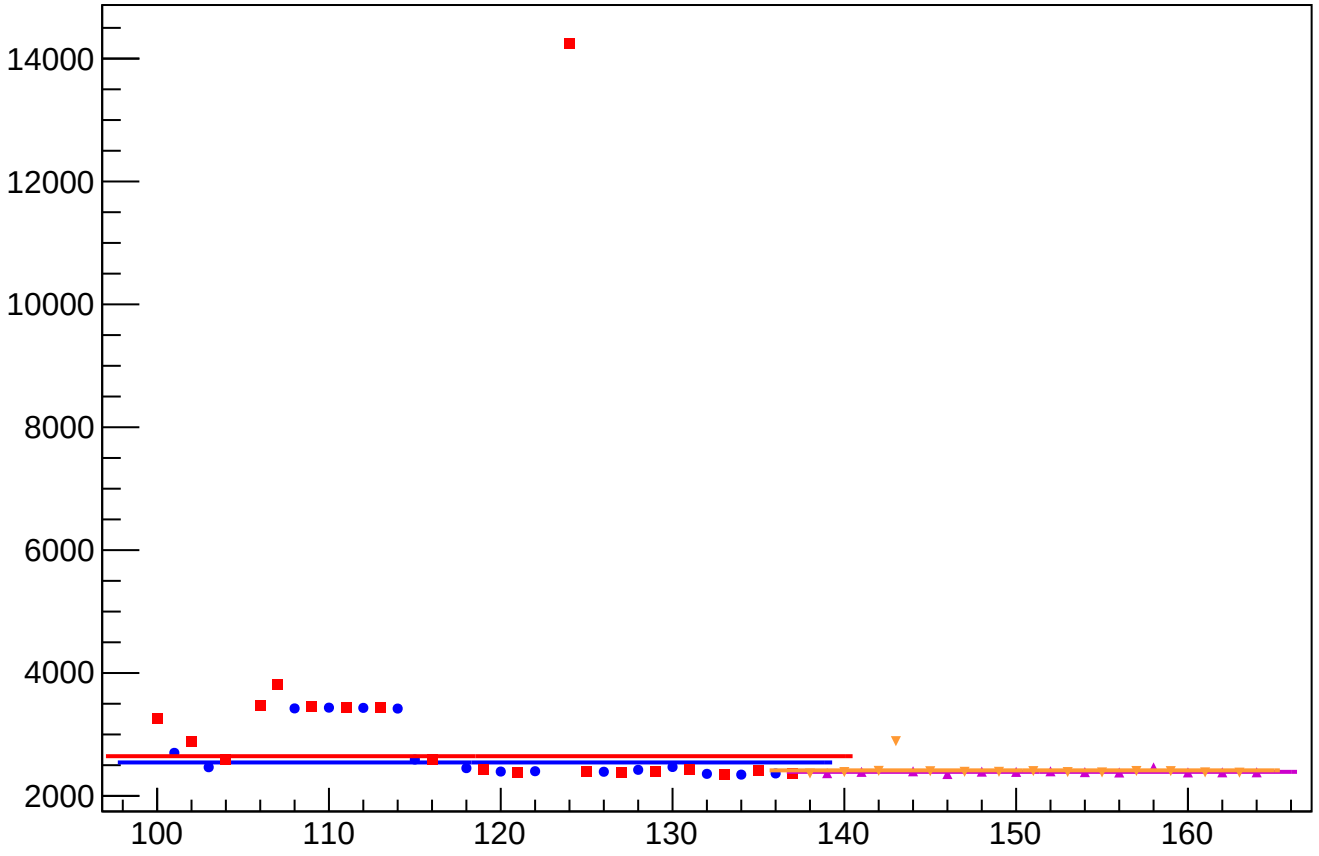
- sign -1581.533+/-582.422 χ^2/NDF: 41.4/31

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

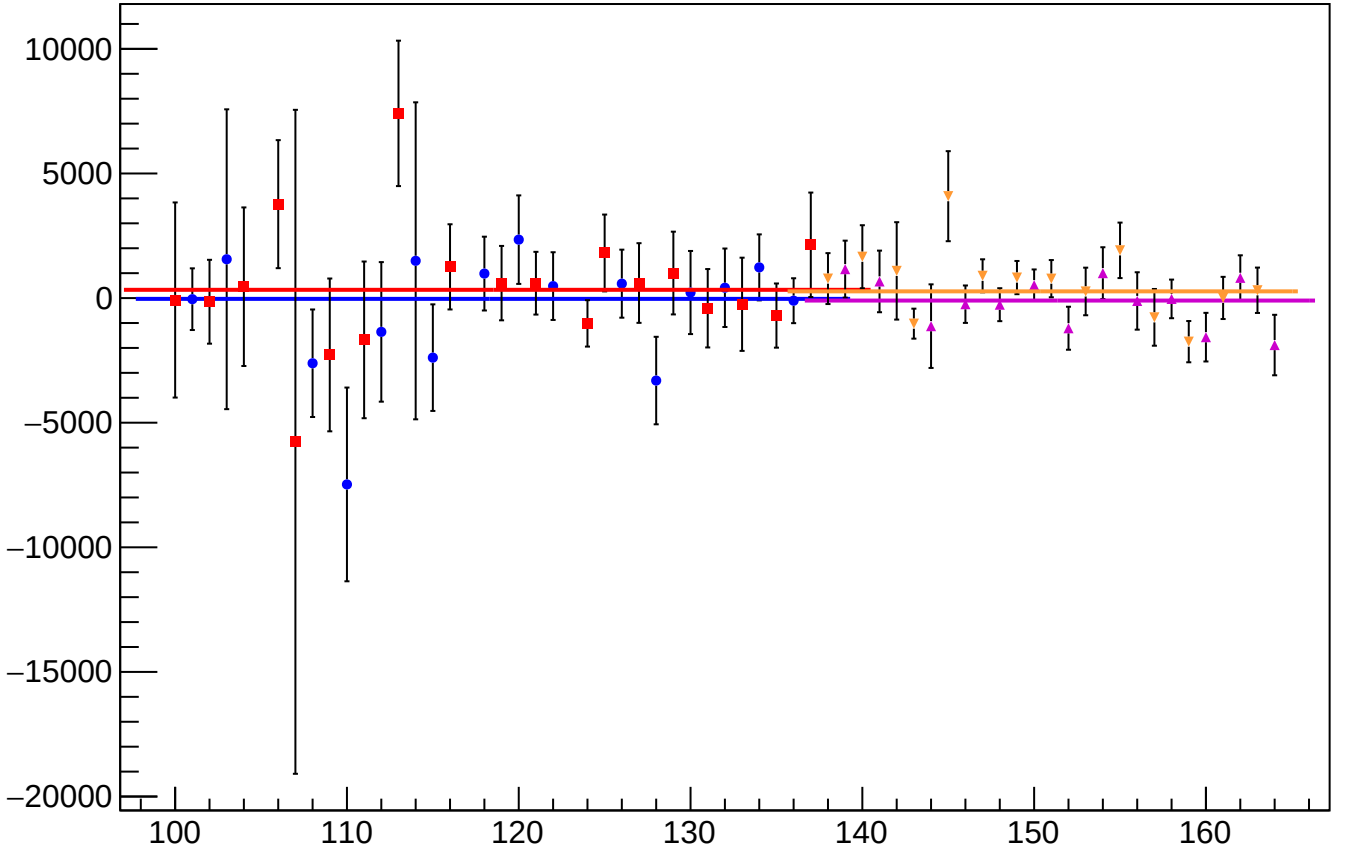
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2471.507+/-0.289 χ^2/NDF: 925256.8/61

- 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: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

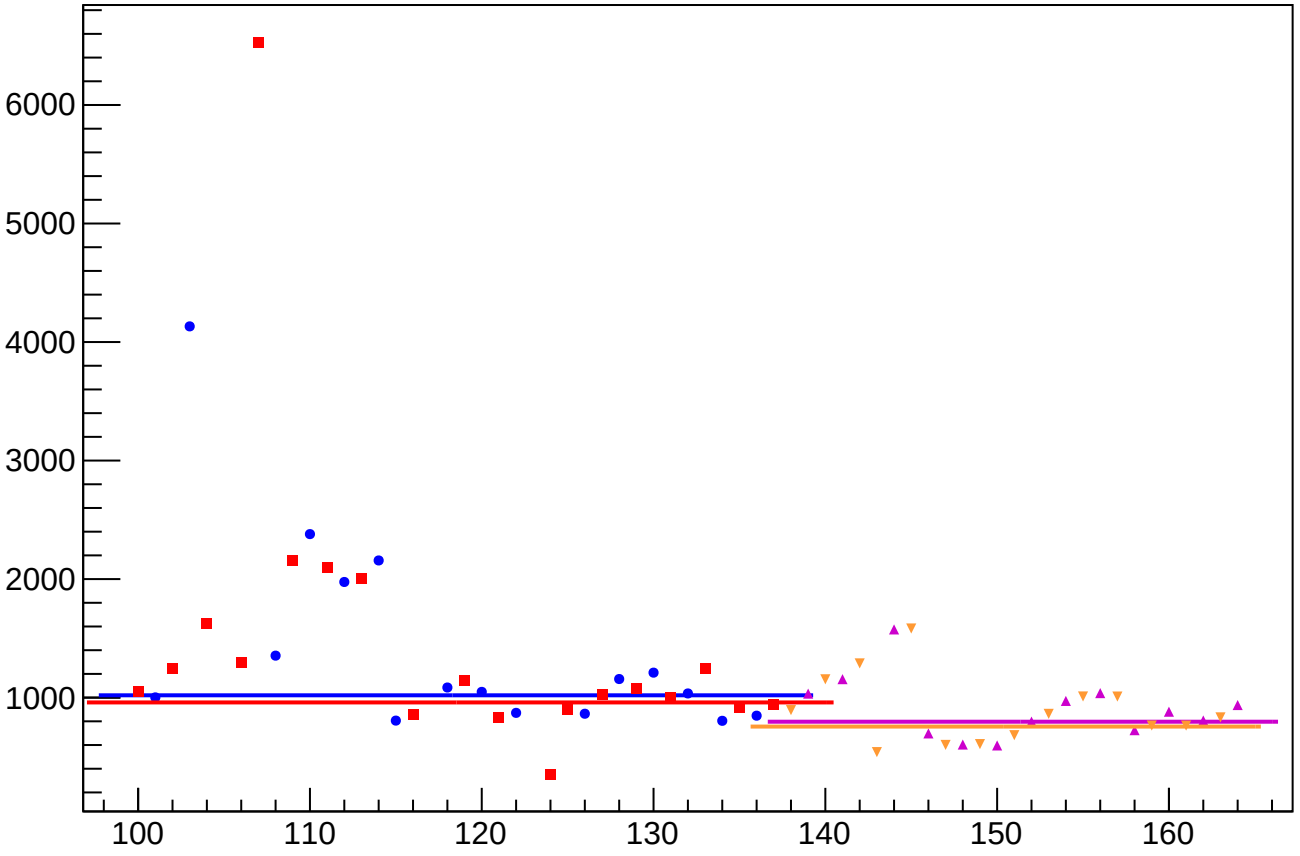
Left In: -98.984+/-250.067 χ^2/NDF:11.3/12

+ sign 194.170+/-203.893 χ^2/NDF: 36.1/29

All: 111.611+/-146.937 χ^2/NDF: 62.9/61

- 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: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

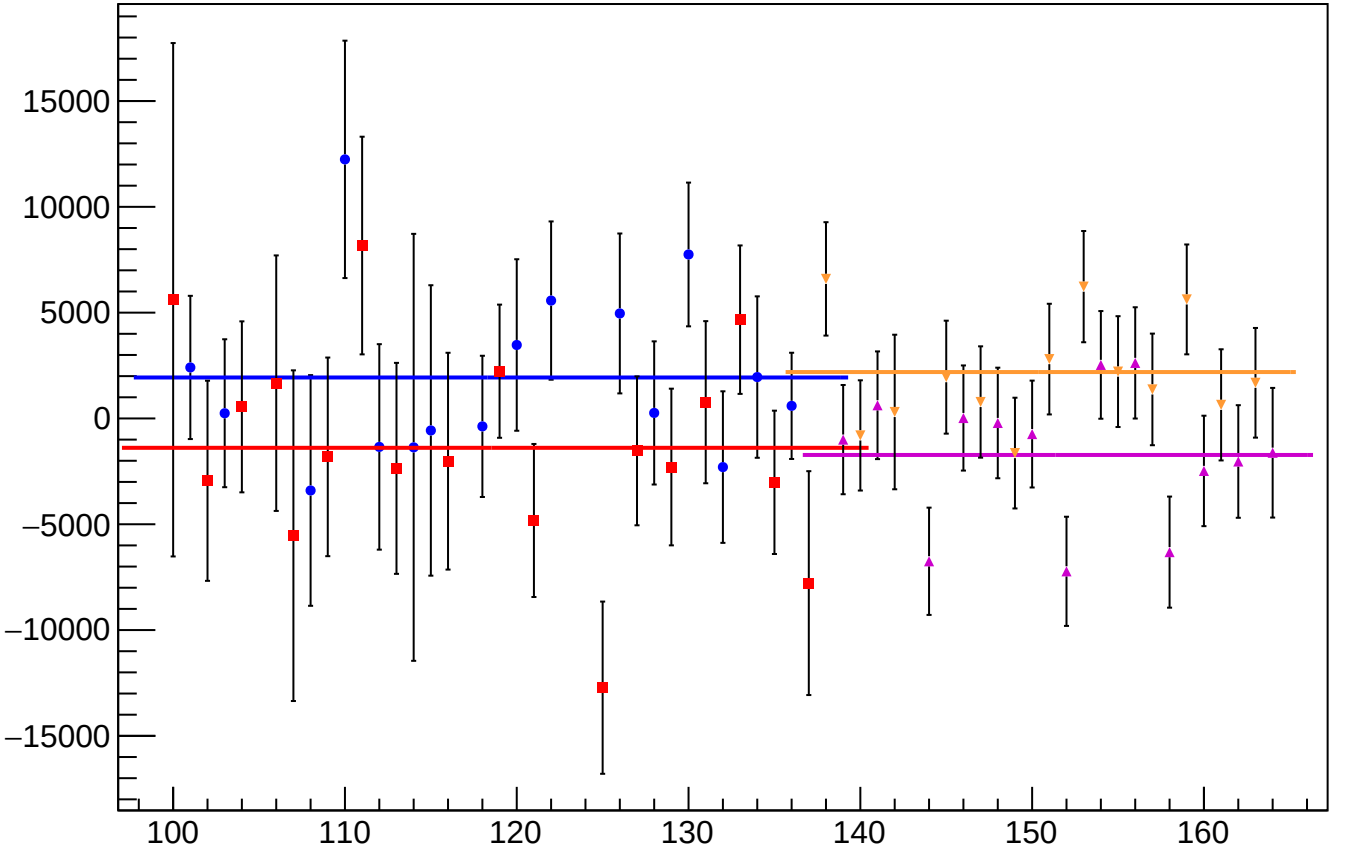
Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

\+ sign 822.297+/-0.144 χ^2/NDF: 3528018.4/29

All: 832.004+/-0.104 χ^2/NDF: 7415773.4/61

\- 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: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

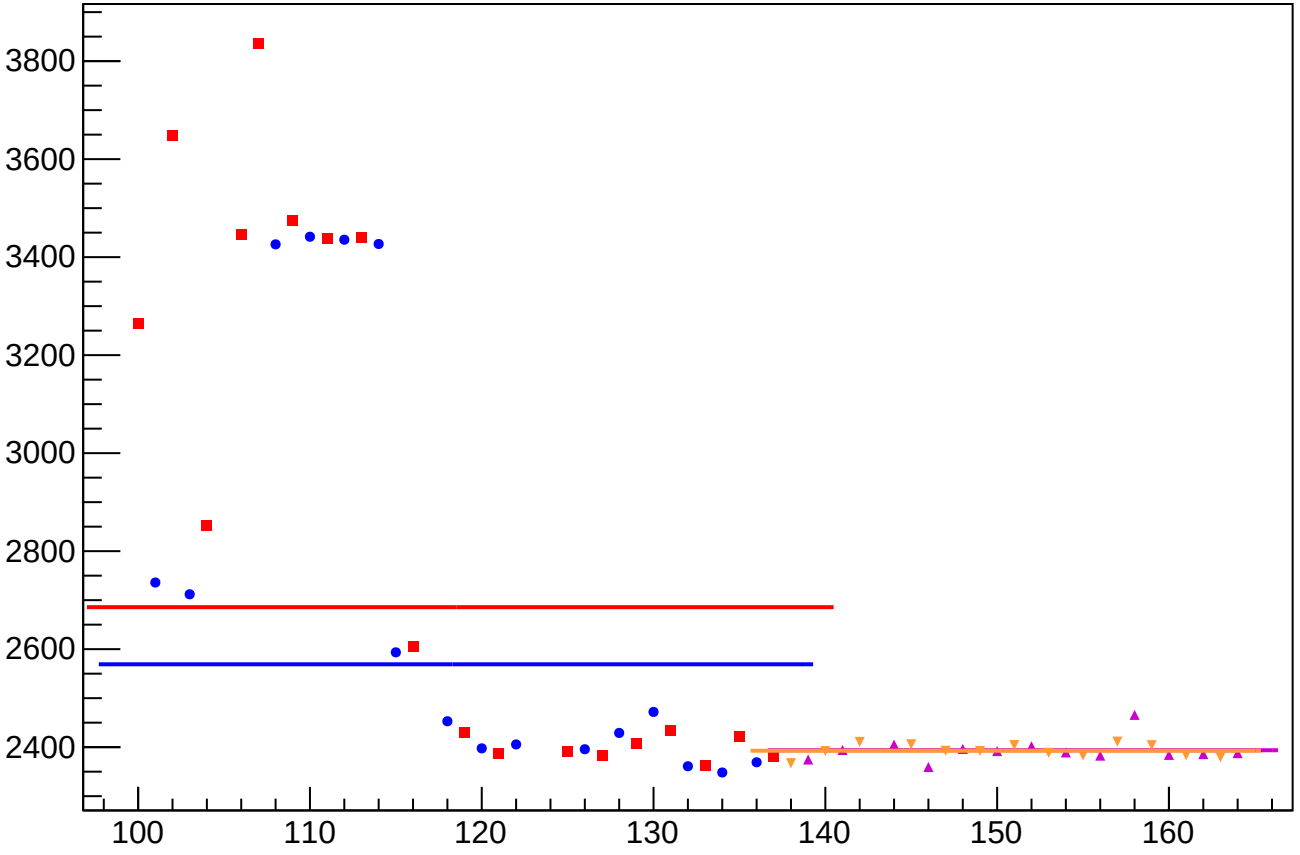
Left In: -1725.398+/-722.711 χ^2/NDF:19.1/12

+ sign 2097.058+/-587.698 χ^2/NDF: 23.8/28

All: 242.680+/-415.518 χ^2/NDF: 82.6/59

- 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: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

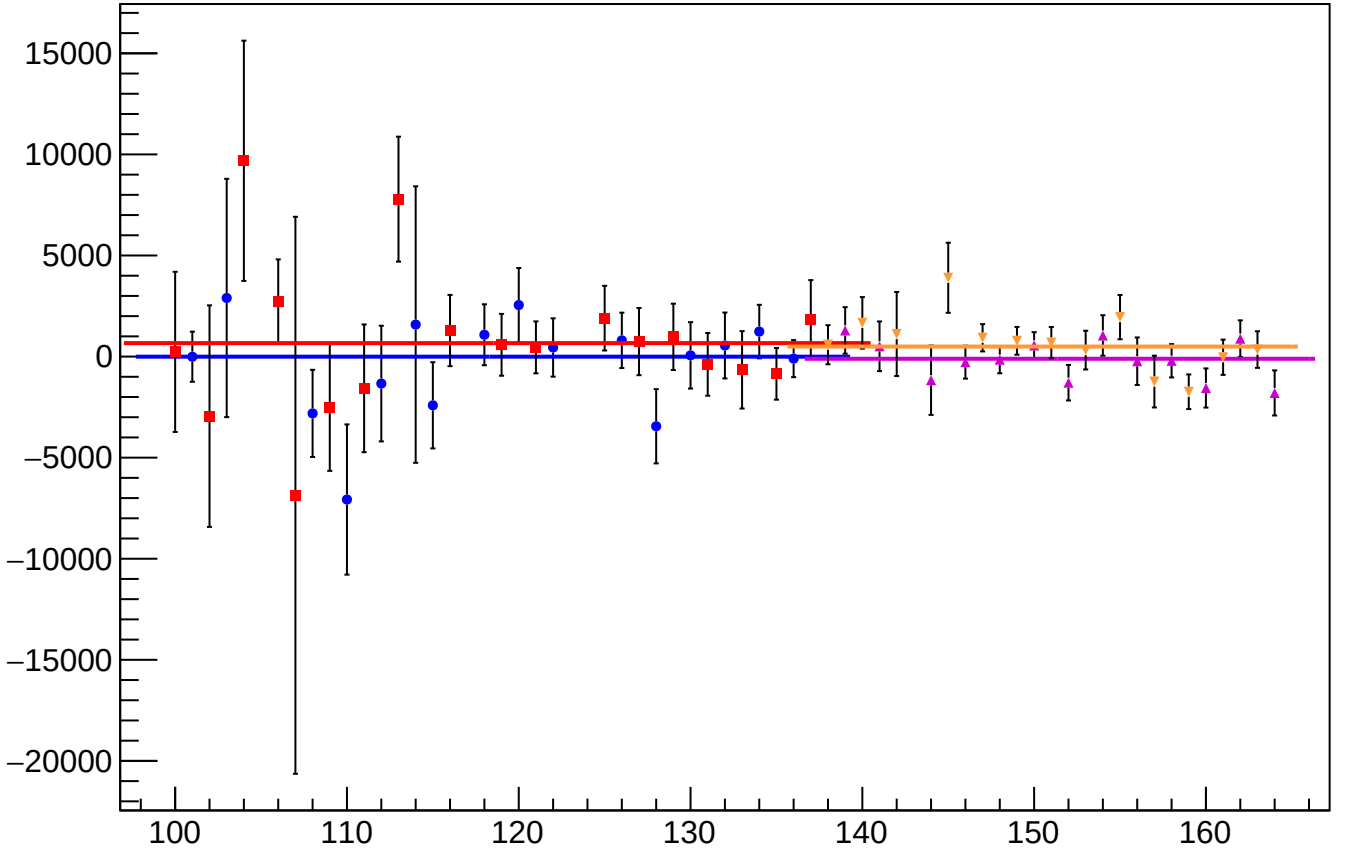
Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

+ sign 2458.547+/-0.416 χ^2/NDF: 272168.9/28

All: 2475.625+/-0.294 χ^2/NDF: 807627.9/59

- 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: 496.157+/-261.007 χ^2/NDF:16.3/12

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

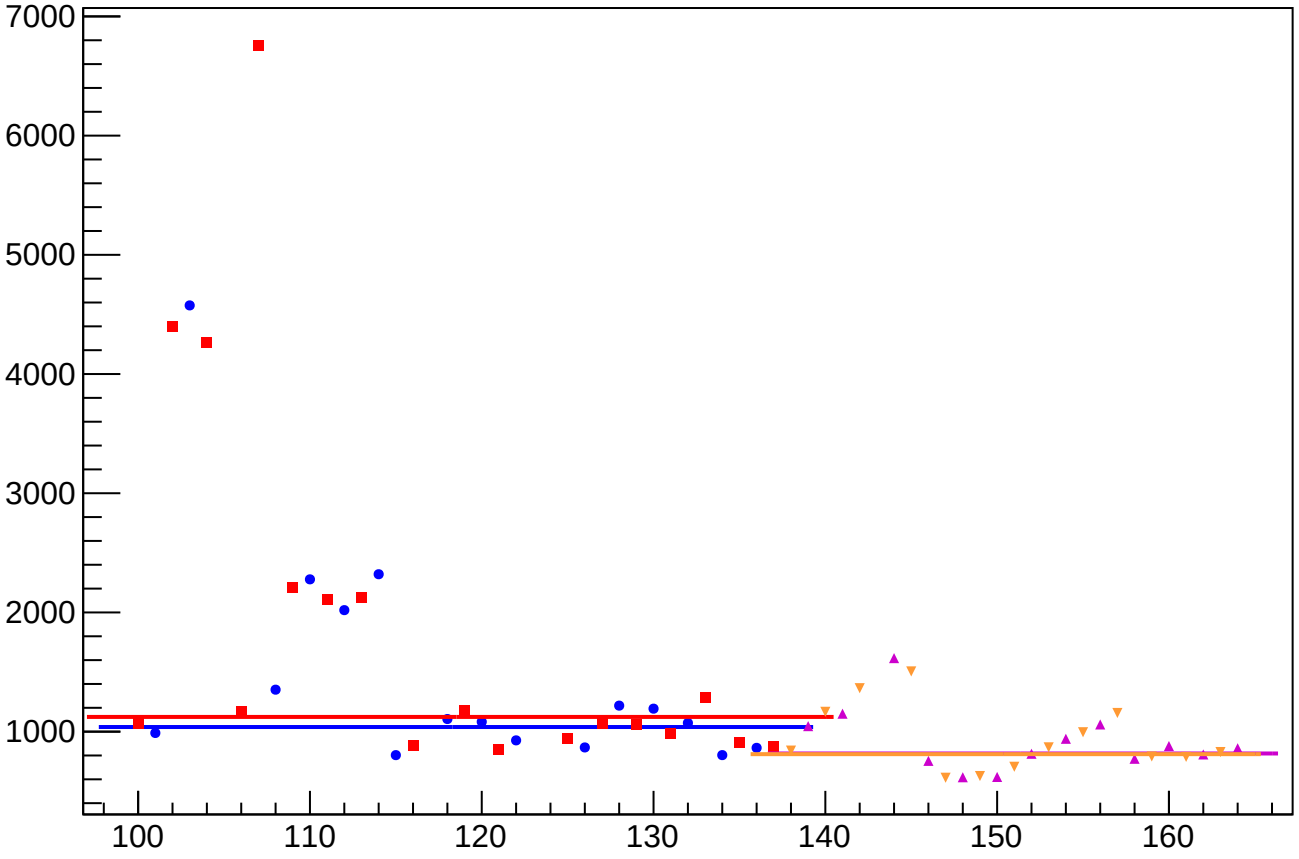
Left In: -108.497+/-255.023 χ^2/NDF:12.1/12

\+ sign 352.702+/-220.524 χ^2/NDF: 31.9/28

All: 214.605+/-156.836 χ^2/NDF: 61.3/59

\- 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: 811.118+/-0.185 χ^2/NDF:1183778.6/12

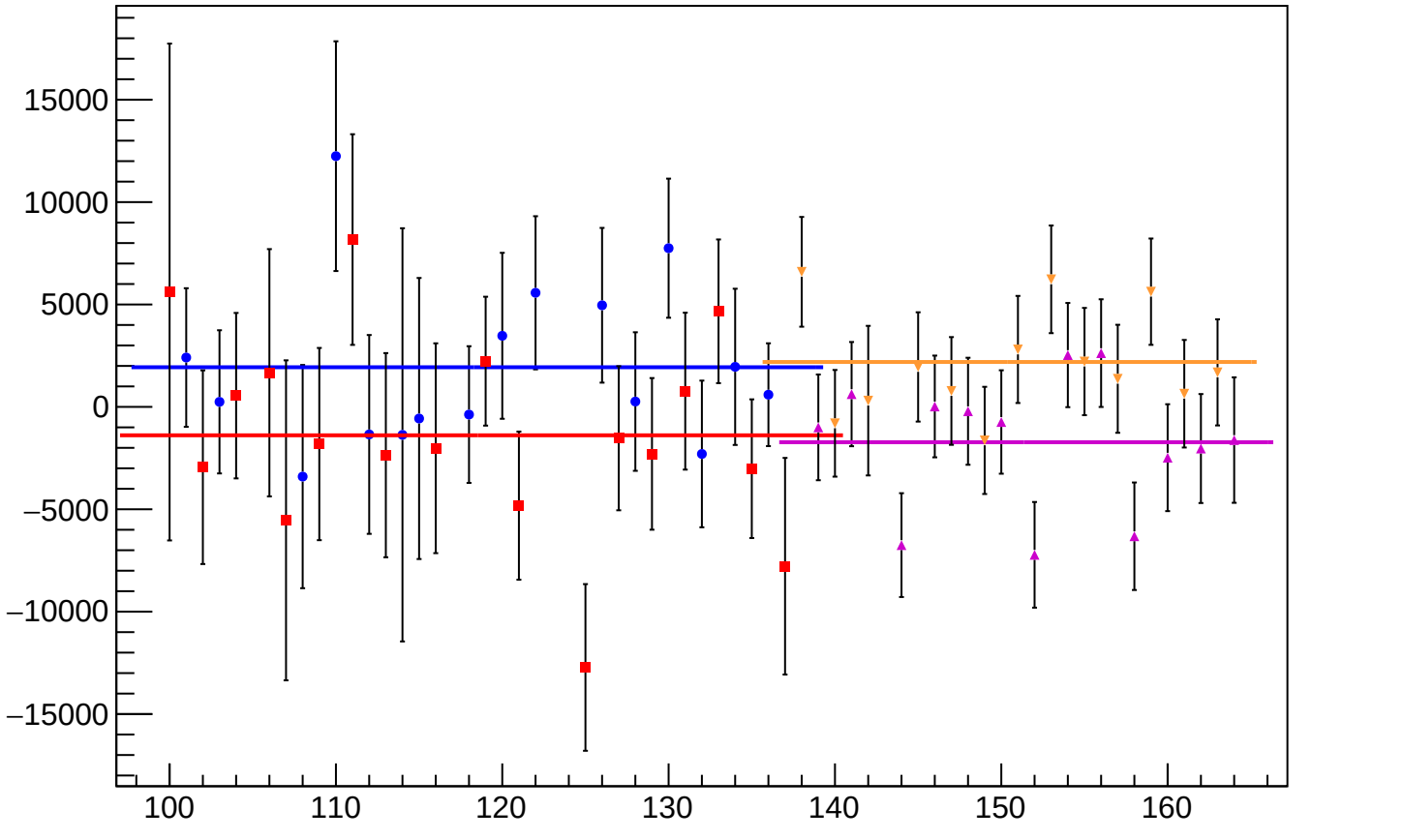
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 816.775+/-0.180 χ^2/NDF:1162138.2/12

+ sign 876.270+/-0.156 χ^2/NDF: 3159009.3/28

All: 882.441+/-0.111 χ^2/NDF: 7538726.5/59

- sign 888.757+/-0.158 χ^2/NDF: 4376548.3/30



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

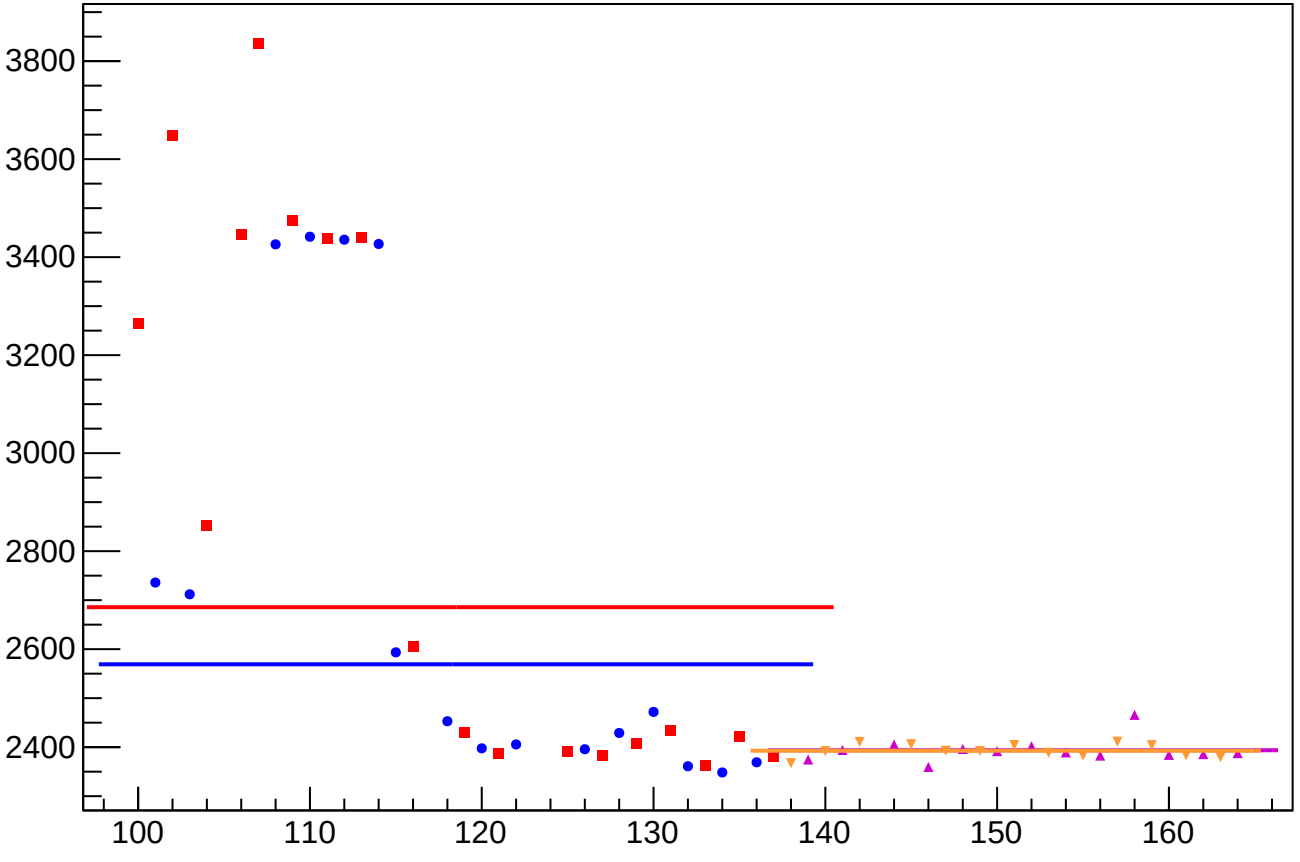
Left In: -1725.399+/-722.711 χ^2/NDF:19.1/12

+ sign 2097.057+/-587.698 χ^2/NDF: 23.8/28

All: 242.680+/-415.518 χ^2/NDF: 82.6/59

- 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: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

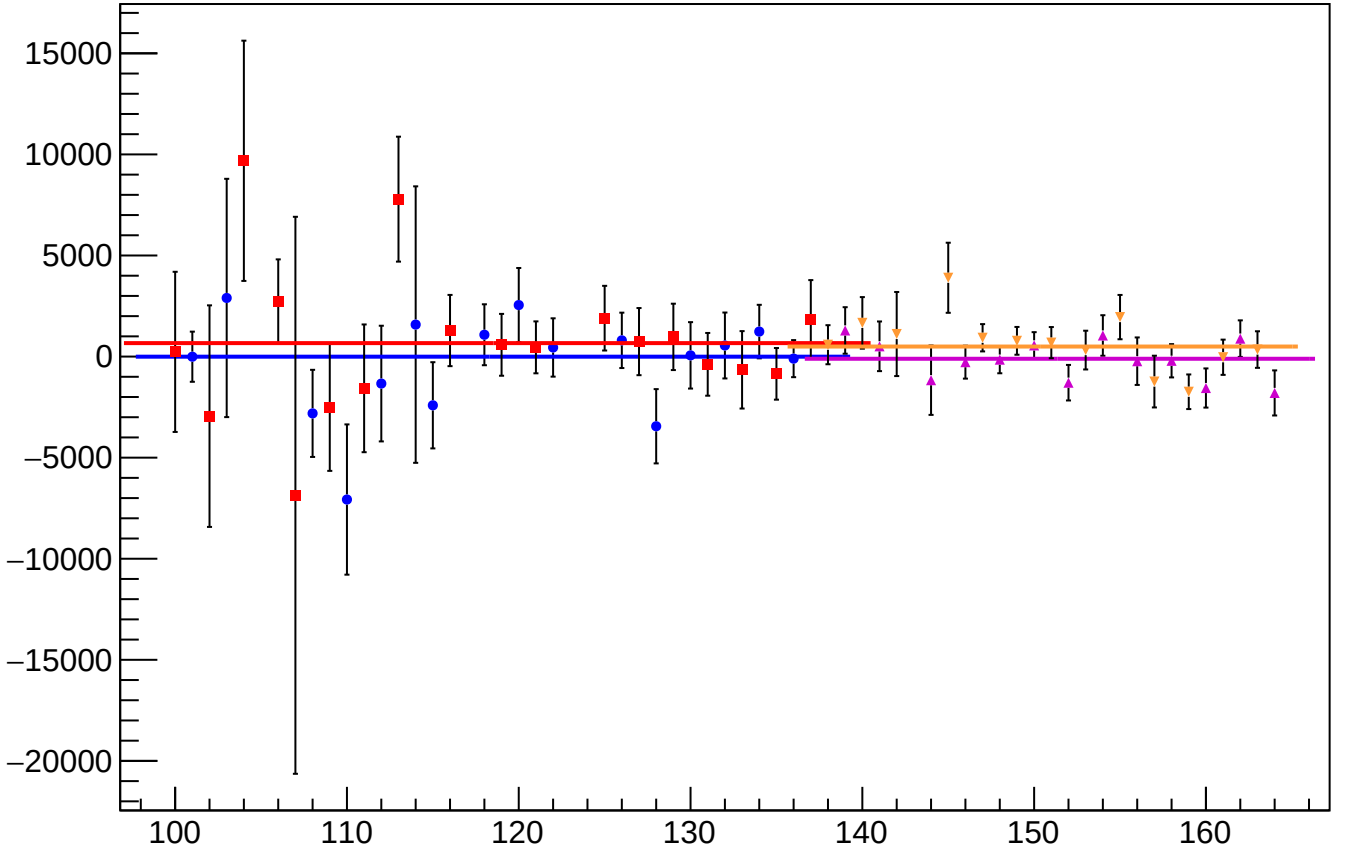
Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

+ sign 2458.547+/-0.416 χ^2/NDF: 272168.5/28

All: 2475.625+/-0.294 χ^2/NDF: 807626.6/59

- 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: 496.157+/-261.008 χ^2/NDF:16.3/12

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

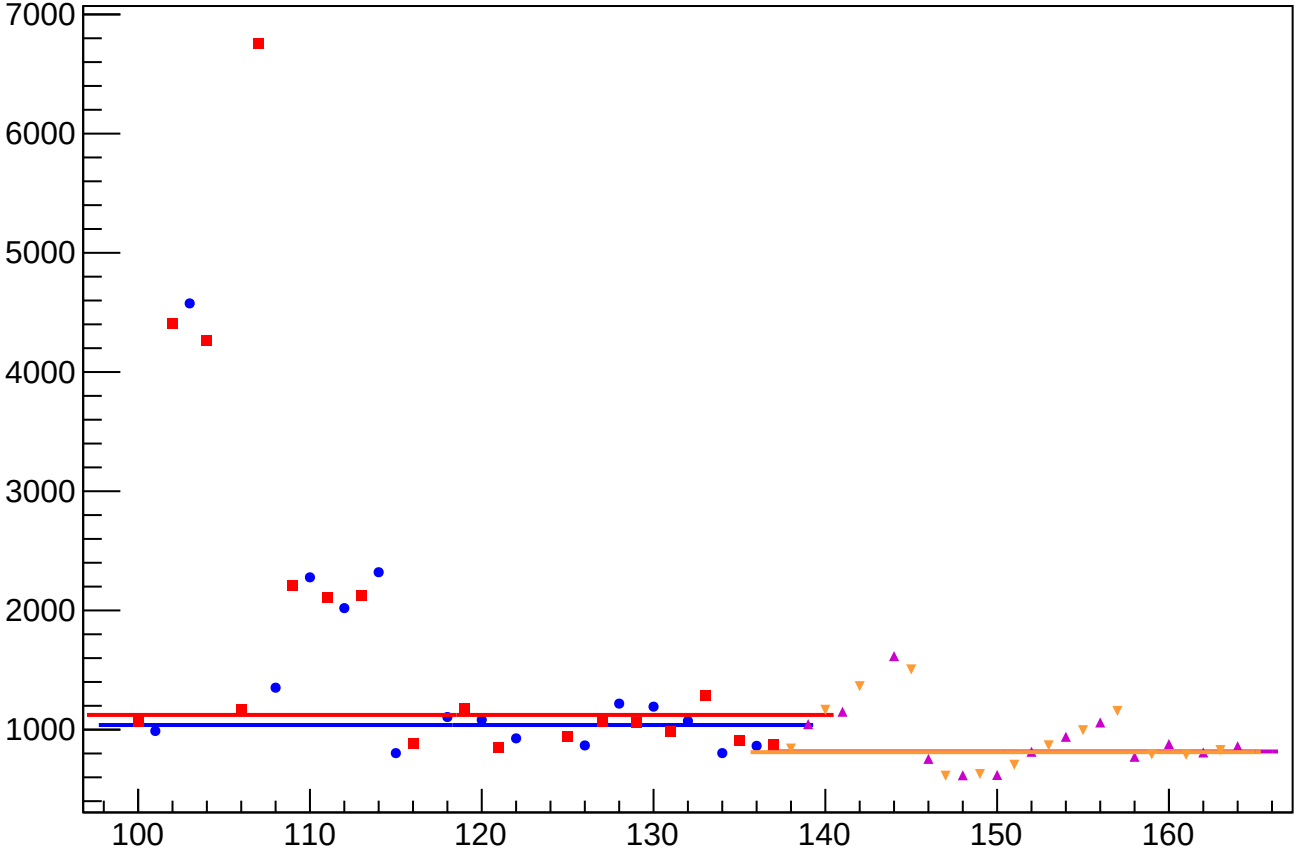
Left In: -108.497+/-255.023 χ^2/NDF:12.1/12

\+ sign 352.701+/-220.524 χ^2/NDF: 31.9/28

All: 214.604+/-156.836 χ^2/NDF: 61.3/59

\- 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: 811.120+/-0.185 χ^2/NDF:1183776.3/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

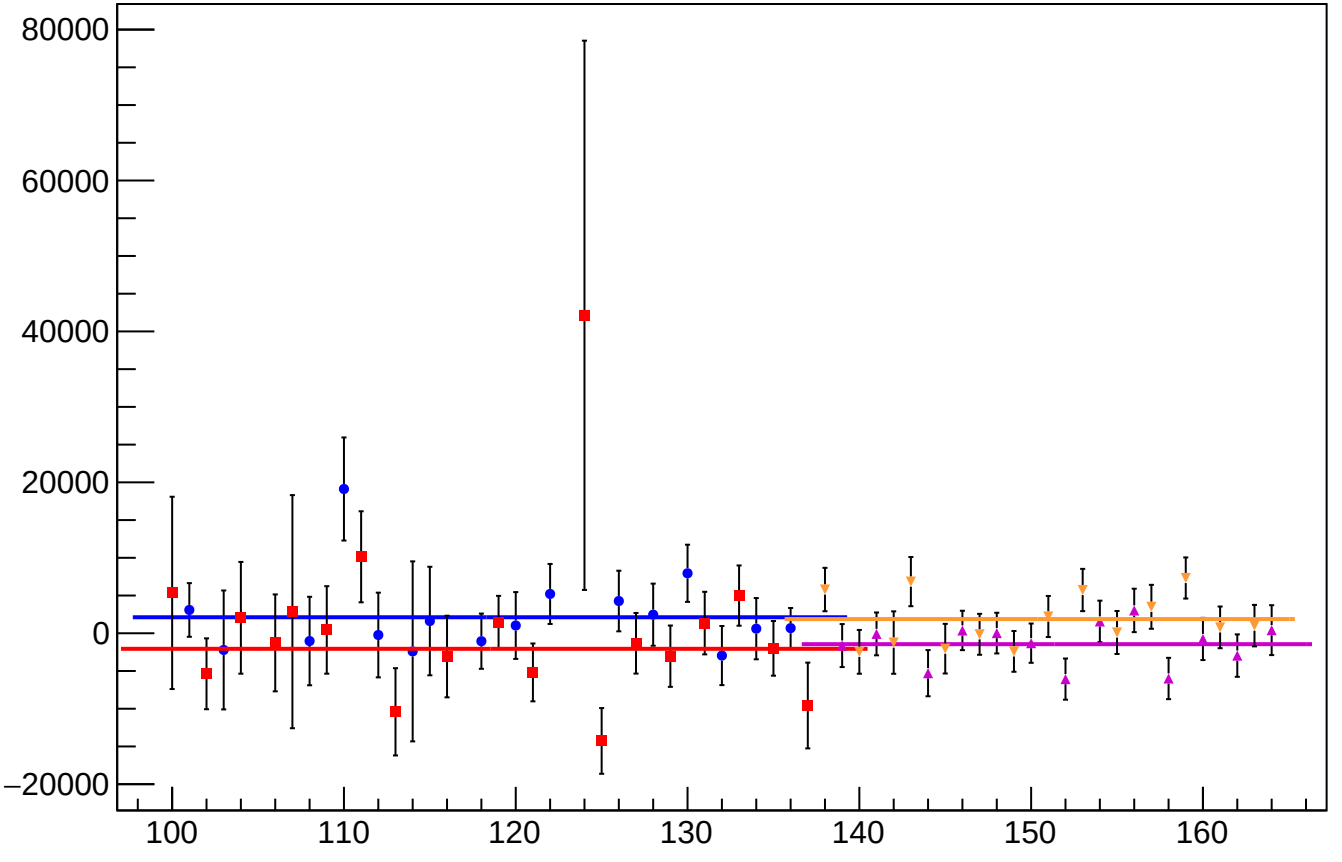
Left In: 816.777+/-0.180 χ^2/NDF:1162136.3/12

+ sign 876.272+/-0.156 χ^2/NDF: 3158997.0/28

All: 882.442+/-0.111 χ^2/NDF: 7538702.9/59

- 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: 1882.329+/-776.406 χ^2/NDF:18.3/13

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

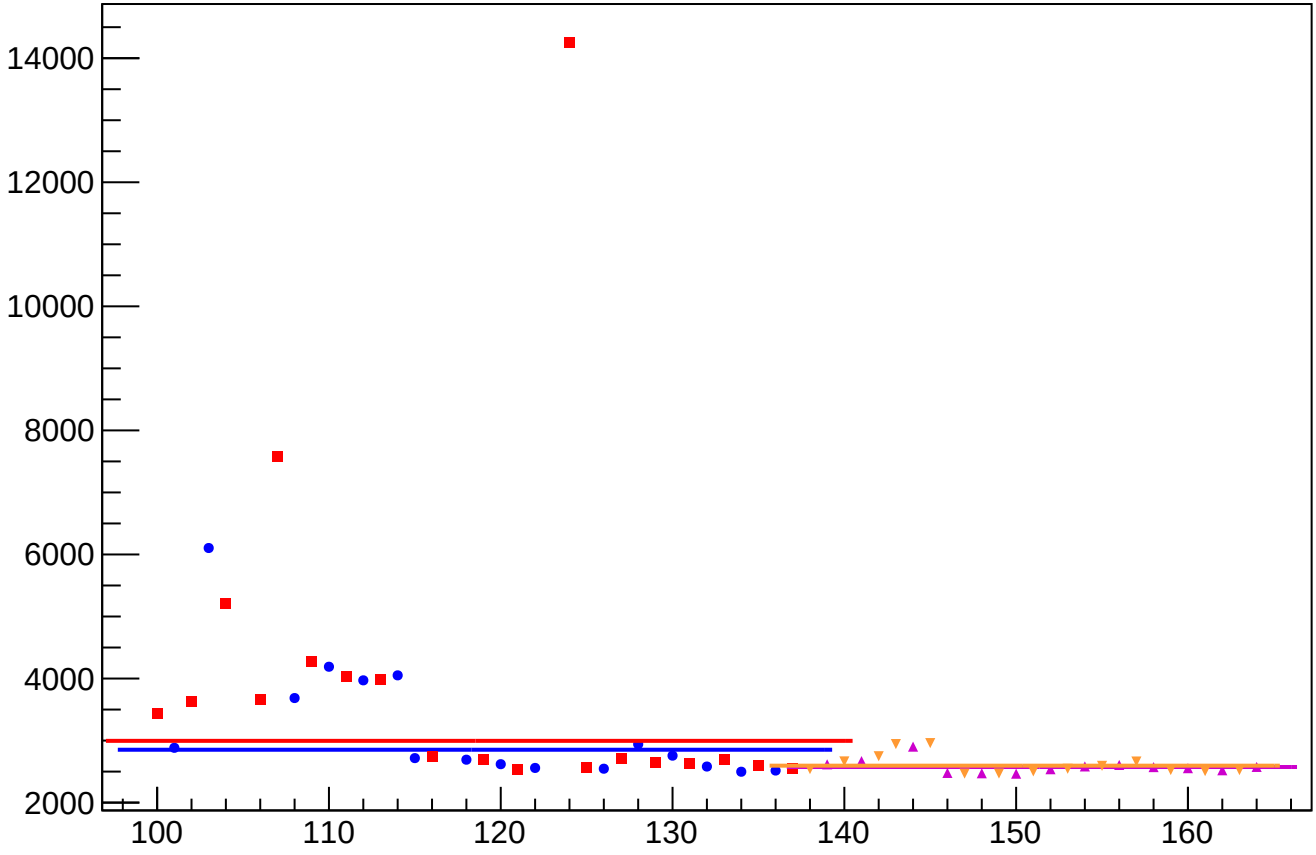
Left In: -1445.249+/-777.880 χ^2/NDF:12.5/12

+ sign 1963.520+/-631.341 χ^2/NDF: 31.7/29

All: 191.249+/-450.137 χ^2/NDF: 84.8/61

- 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: 2595.457+/-0.549 χ^2/NDF:69342.4/13

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

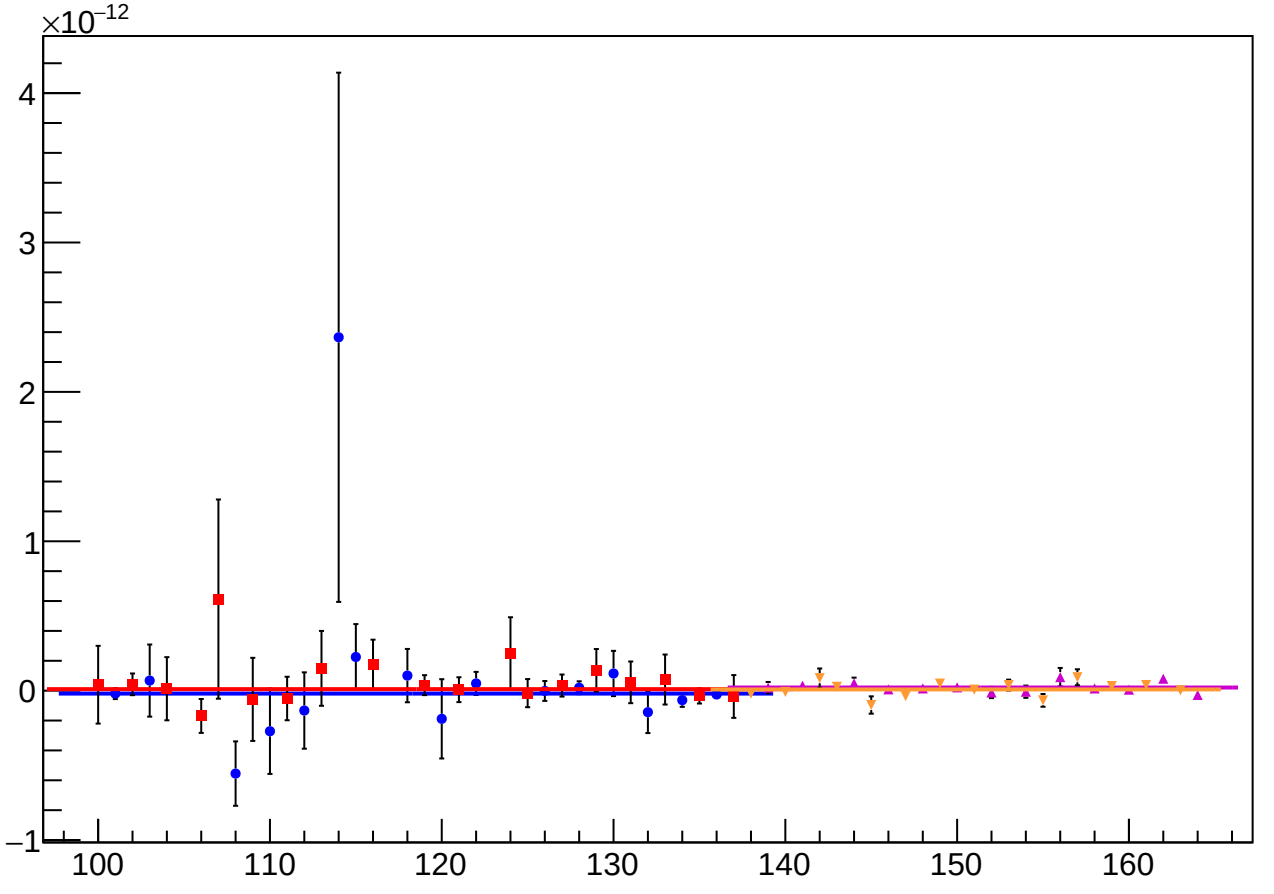
Left In: 2573.771+/-0.550 χ^2/NDF:36059.6/12

+ sign 2682.436+/-0.446 χ^2/NDF: 792150.9/29

All: 2695.138+/-0.318 χ^2/NDF: 1996517.7/61

- 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:21.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

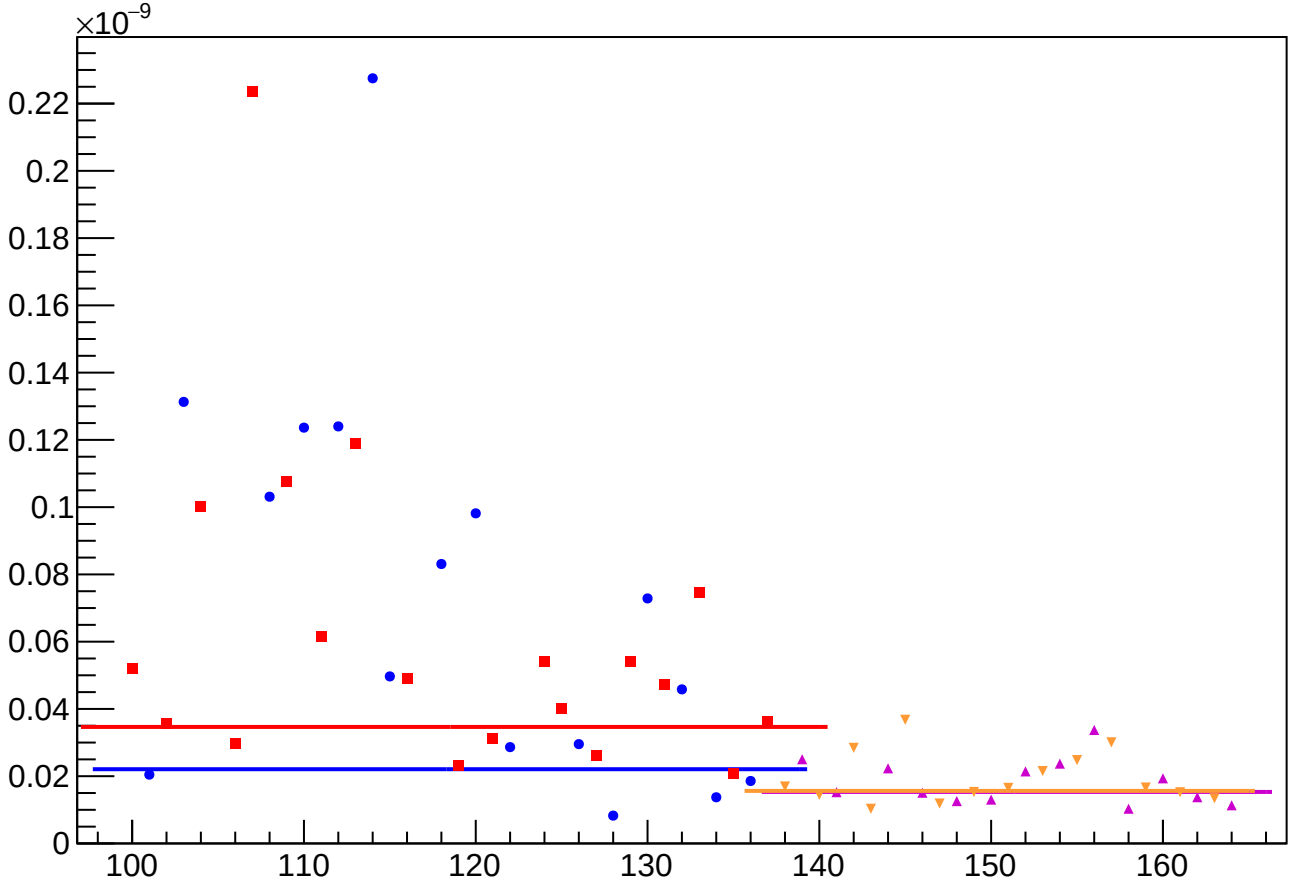
Left In: 0.000+/-0.000 χ^2/NDF:12.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/29

All: 0.000+/-0.000 χ^2/NDF: 61.9/61

- sign 0.000+/-0.000 χ^2/NDF: 20.8/31

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:872403.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

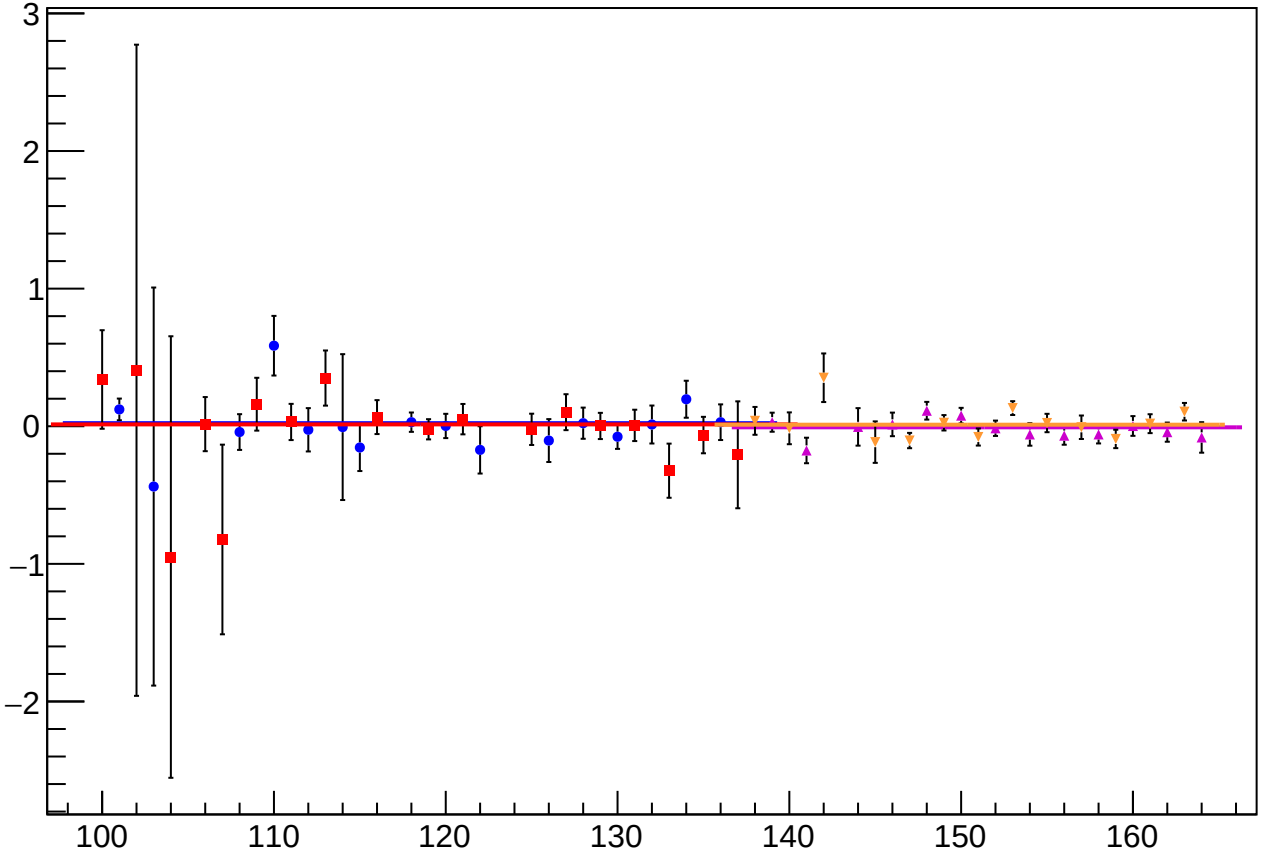
Left In: 0.000+/-0.000 χ^2/NDF:772443.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 3452319.3/29

All: 0.000+/-0.000 χ^2/NDF: 6602021.6/61

- 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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

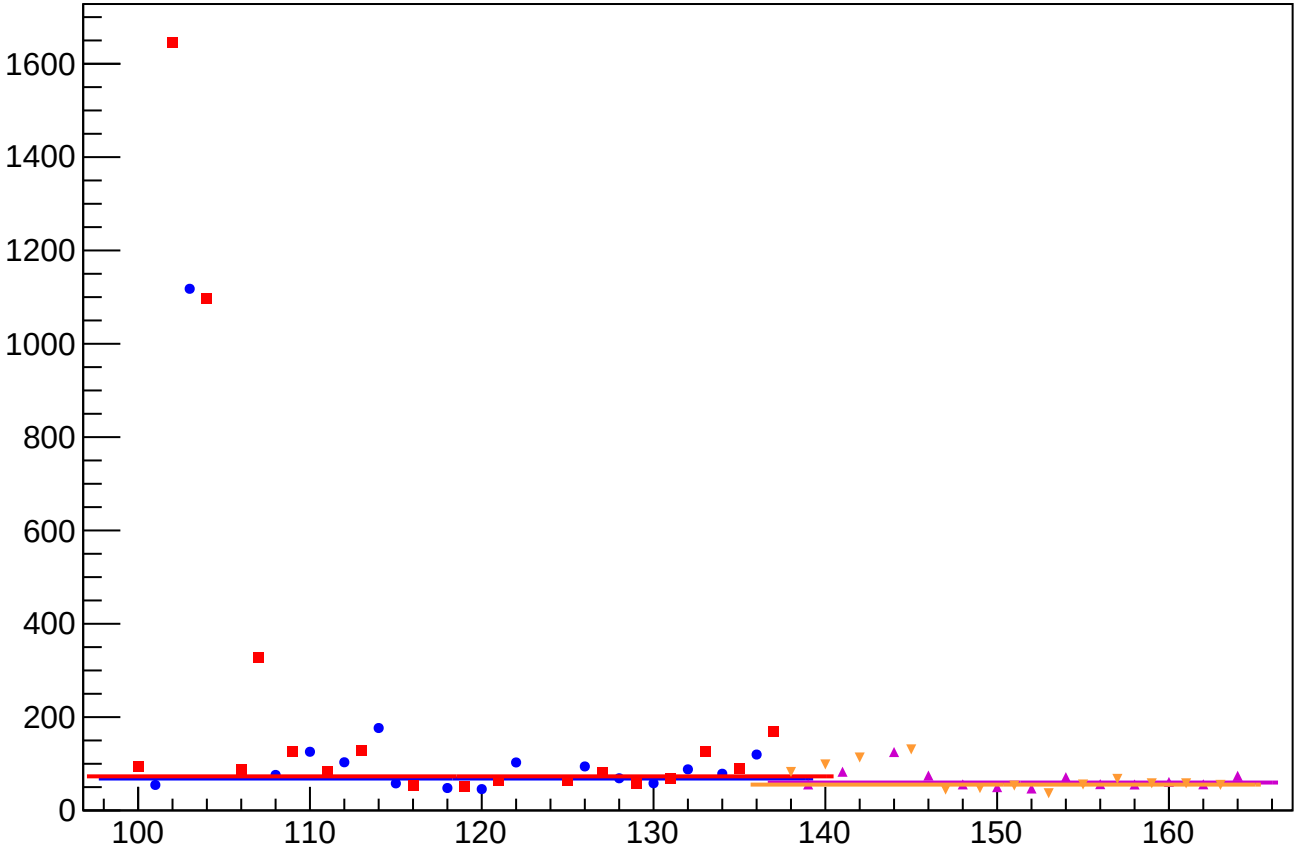
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.007+/-0.012 χ^2/NDF: 60.0/59

- 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: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

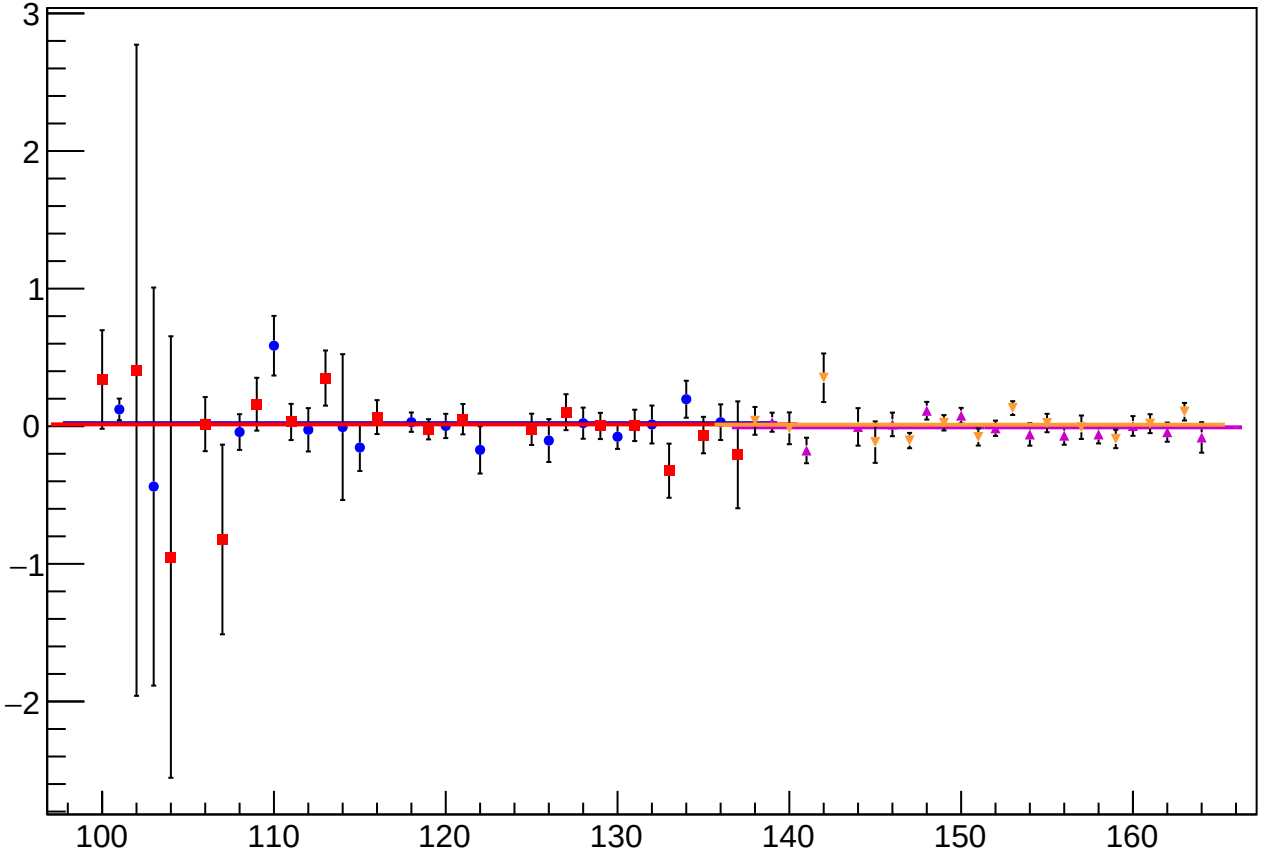
Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

+ sign 59.278+/-0.012 χ^2/NDF: 4114050.9/28

All: 61.206+/-0.008 χ^2/NDF: 8235388.4/59

- 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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

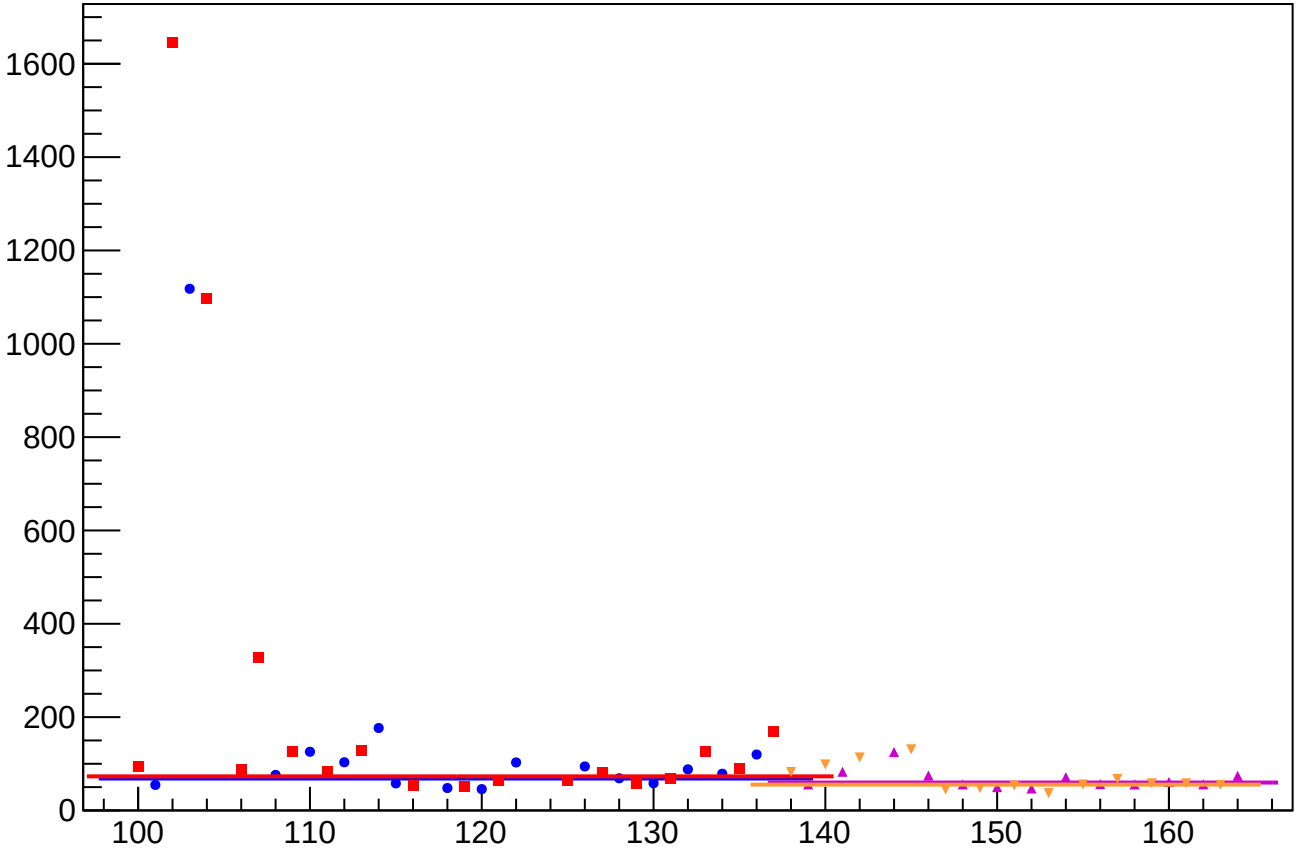
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.007+/-0.012 χ^2/NDF: 60.0/59

- 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: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

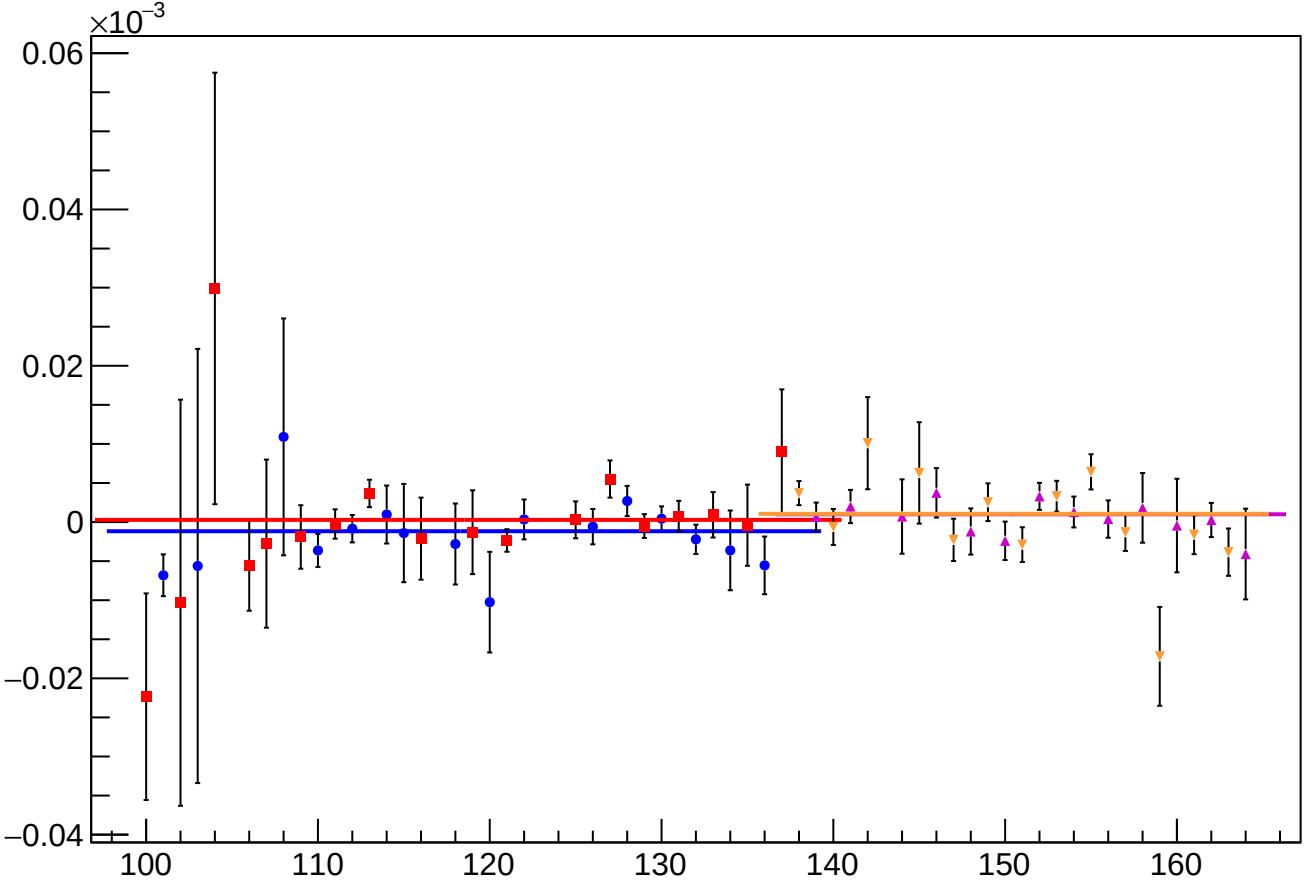
Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

+ sign 59.278+/-0.012 χ^2/NDF: 4114050.9/28

All: 61.206+/-0.008 χ^2/NDF: 8235388.4/59

- 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:31.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

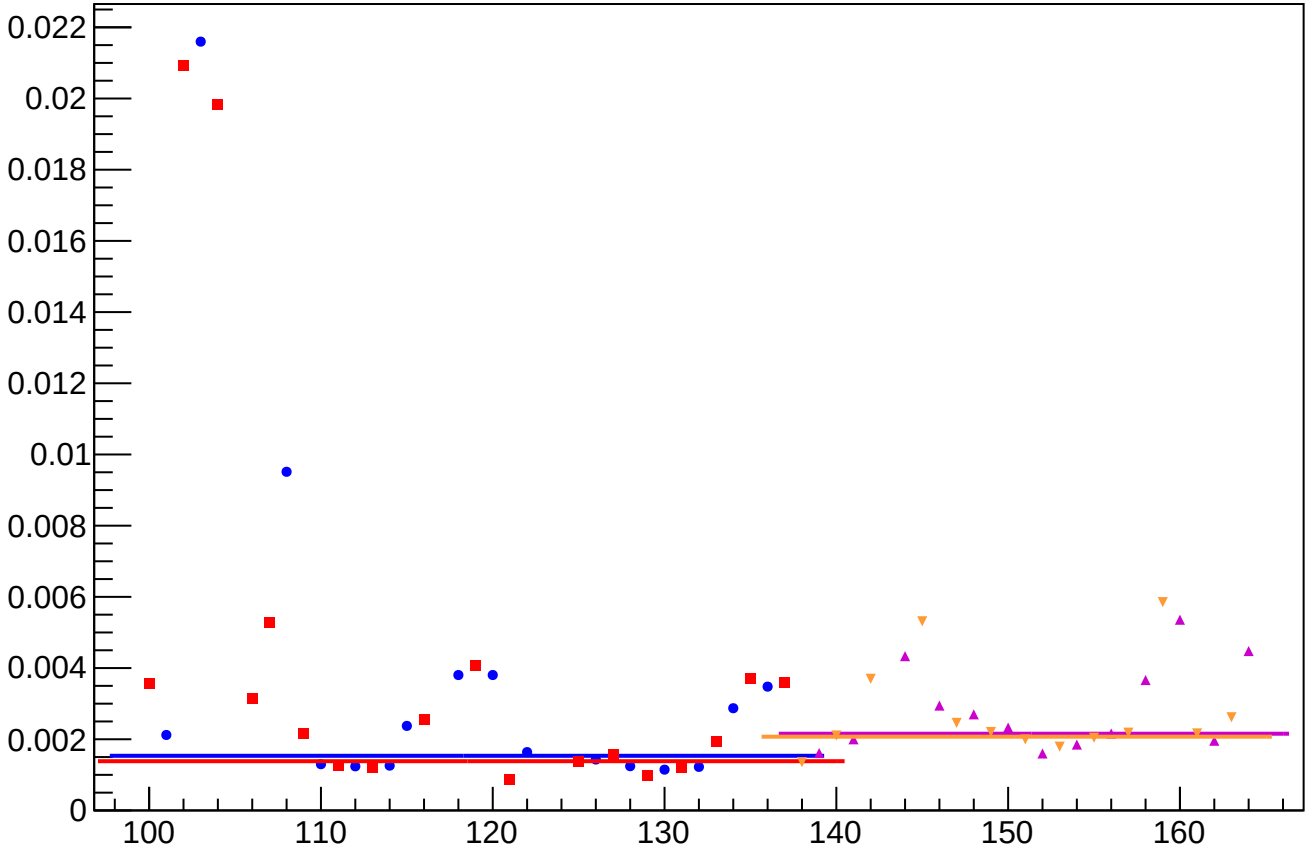
Left In: 0.000+/-0.000 χ^2/NDF:6.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/28

All: 0.000+/-0.000 χ^2/NDF: 80.8/59

- 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:1959097.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

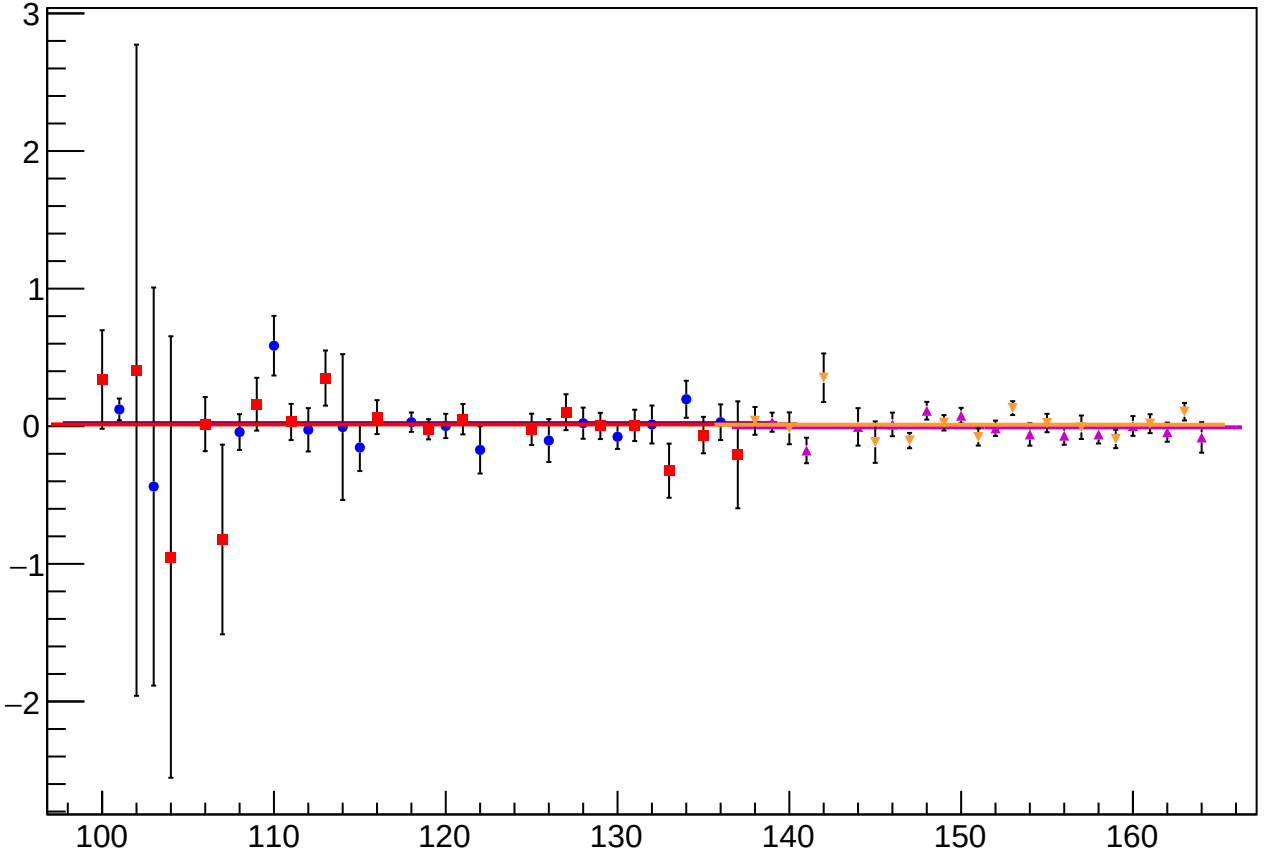
Left In: 0.002+/-0.000 χ^2/NDF:2198686.0/12

\+ sign 0.002+/-0.000 χ^2/NDF: 5959927.9/28

All: 0.002+/-0.000 χ^2/NDF: 13778871.1/59

\- 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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

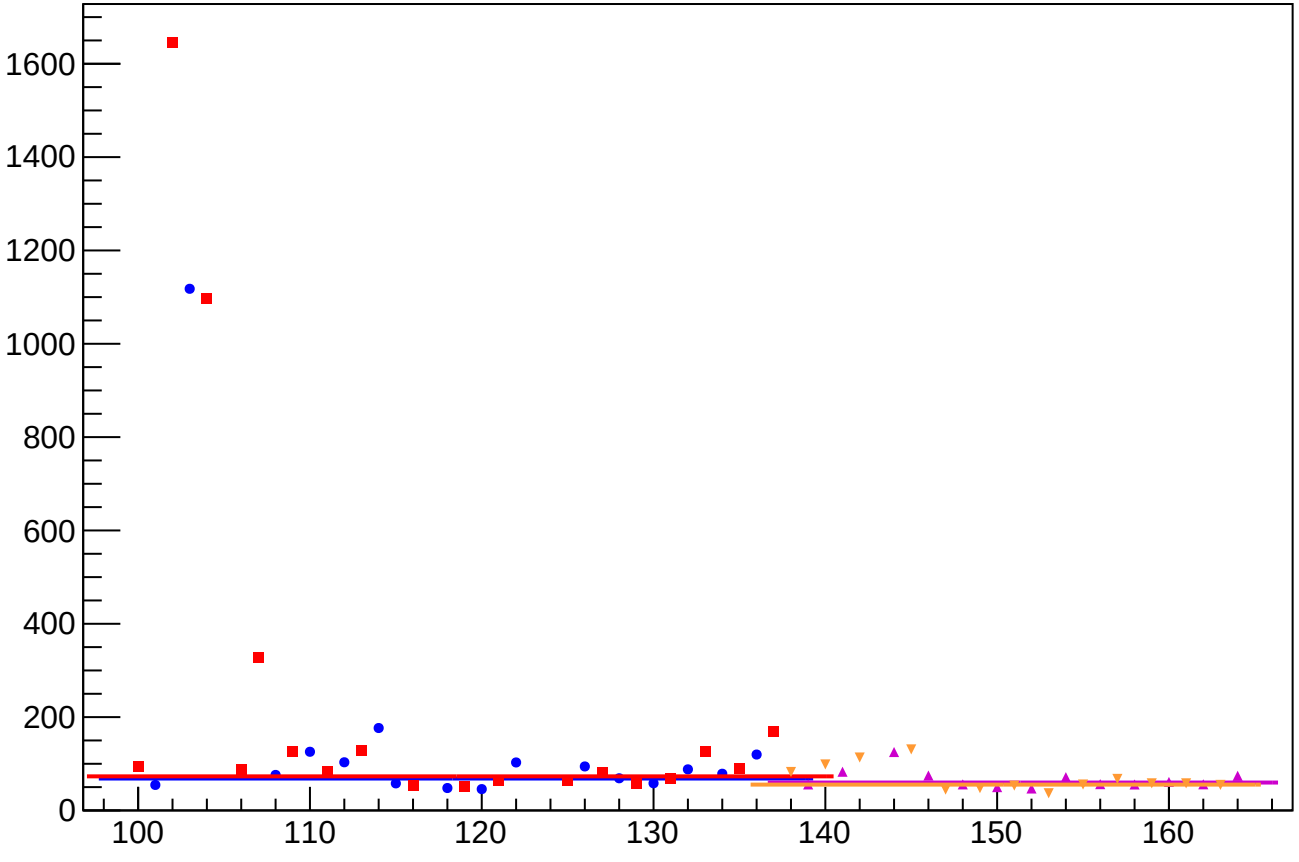
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.007+/-0.012 χ^2/NDF: 60.0/59

- 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: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

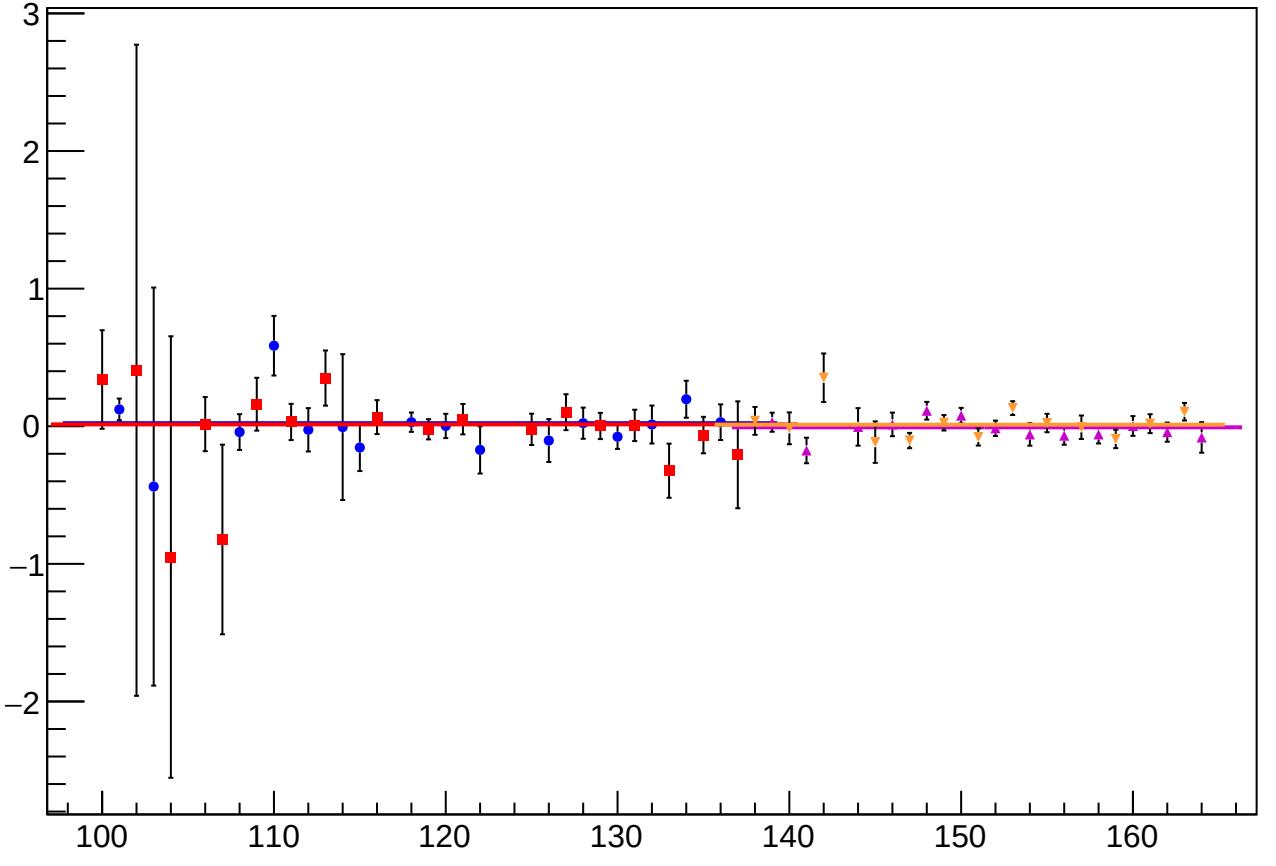
Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

+ sign 59.278+/-0.012 χ^2/NDF: 4114176.7/28

All: 61.206+/-0.008 χ^2/NDF: 8235493.2/59

- 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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

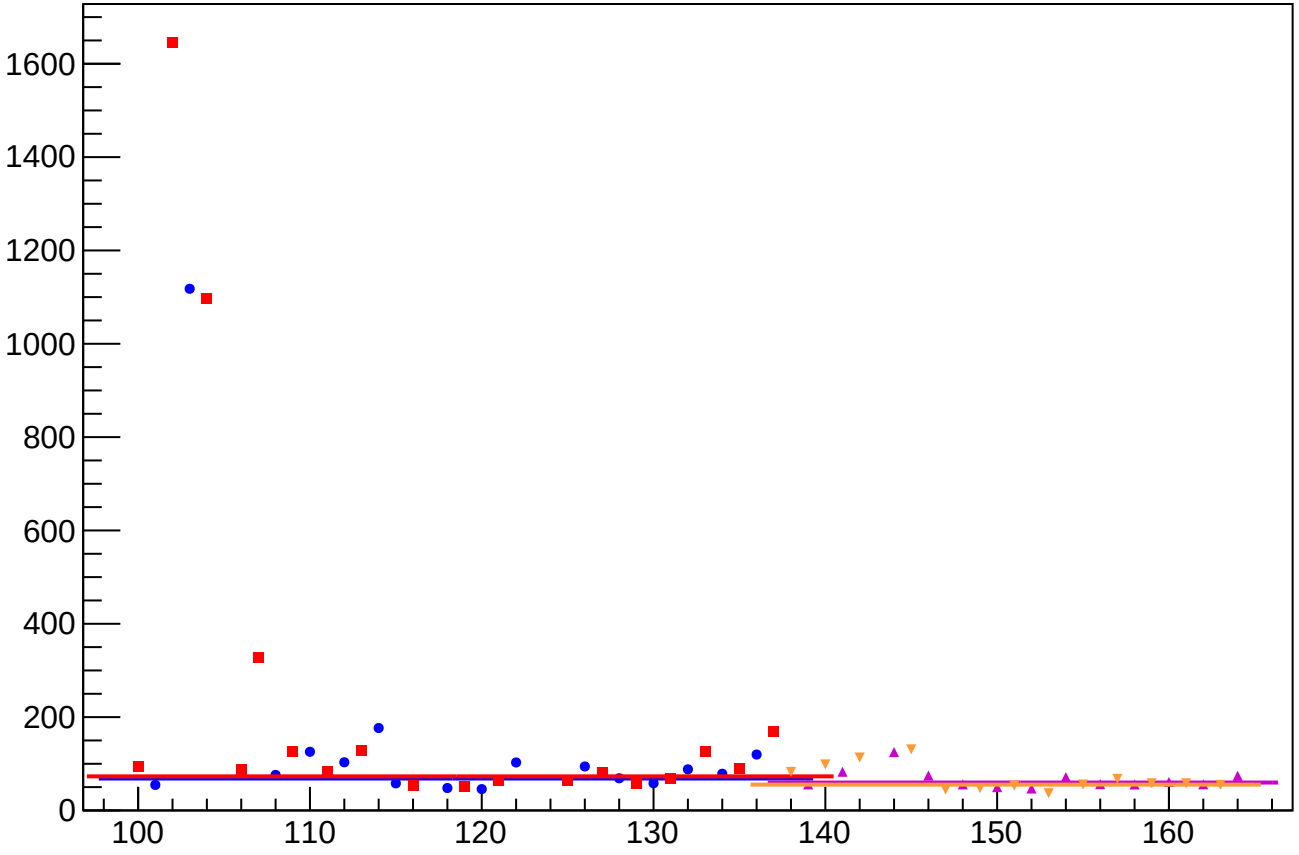
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.007+/-0.012 χ^2/NDF: 60.0/59

- 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: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

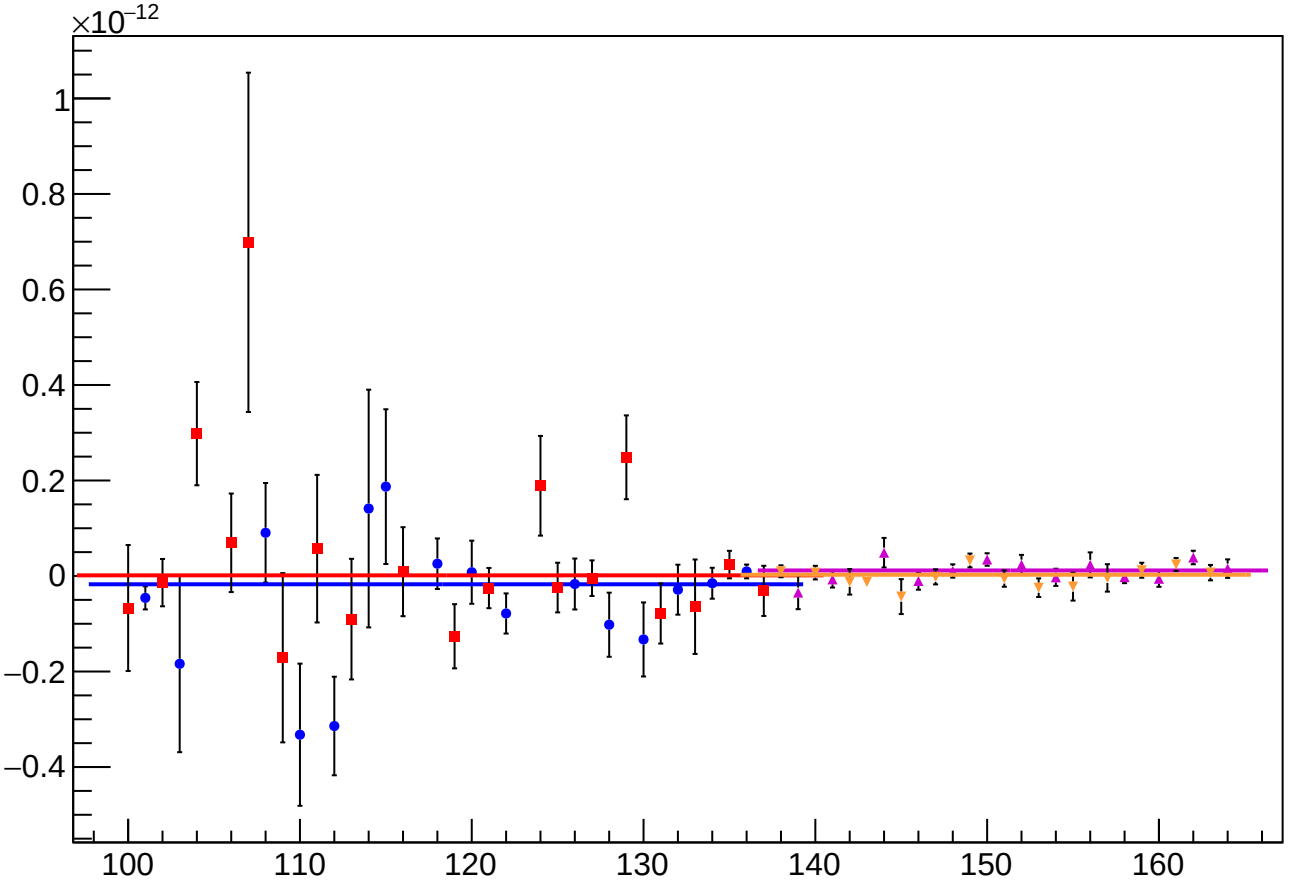
Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

+ sign 59.278+/-0.012 χ^2/NDF: 4114176.7/28

All: 61.206+/-0.008 χ^2/NDF: 8235493.2/59

- 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:15.2/13

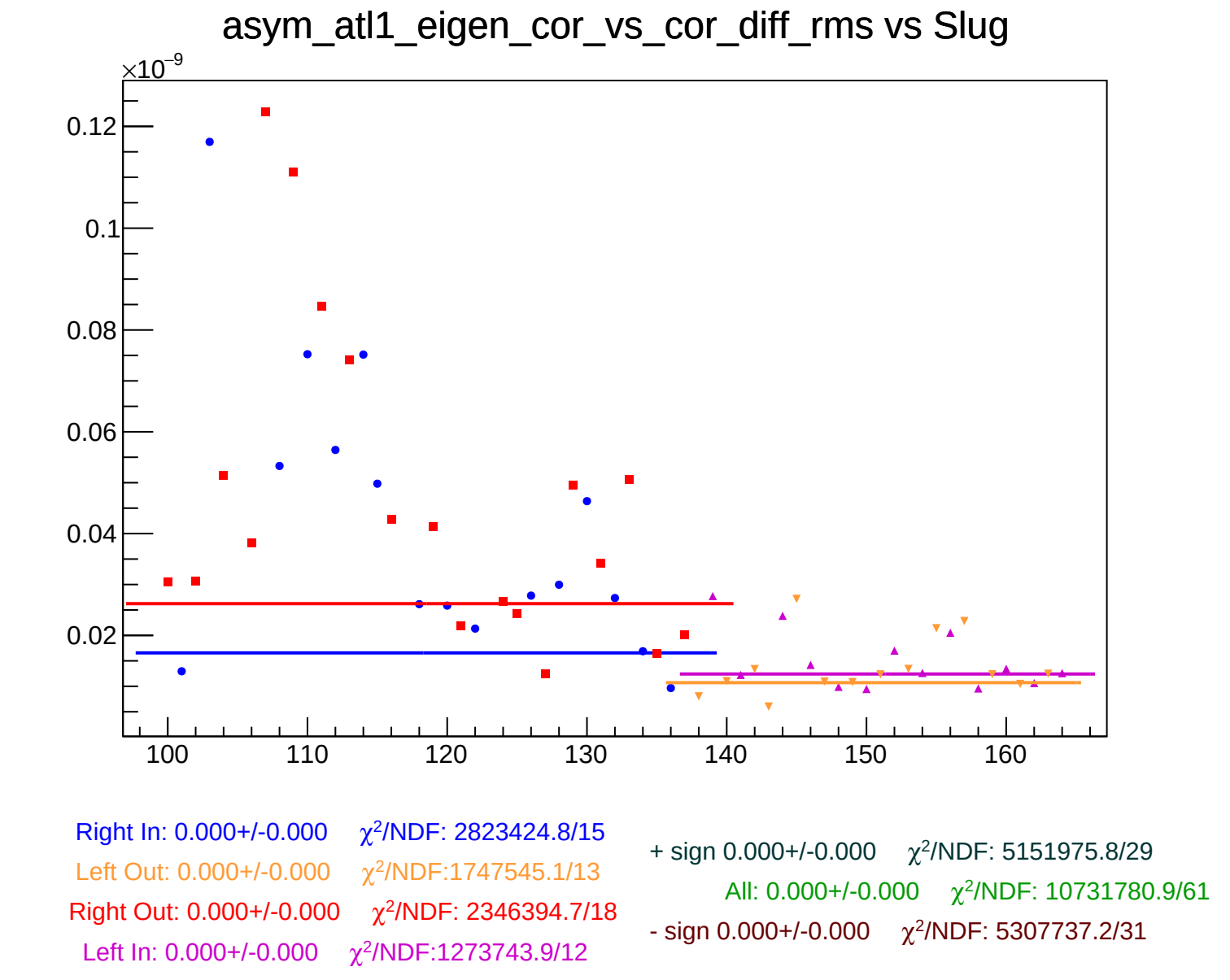
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/12

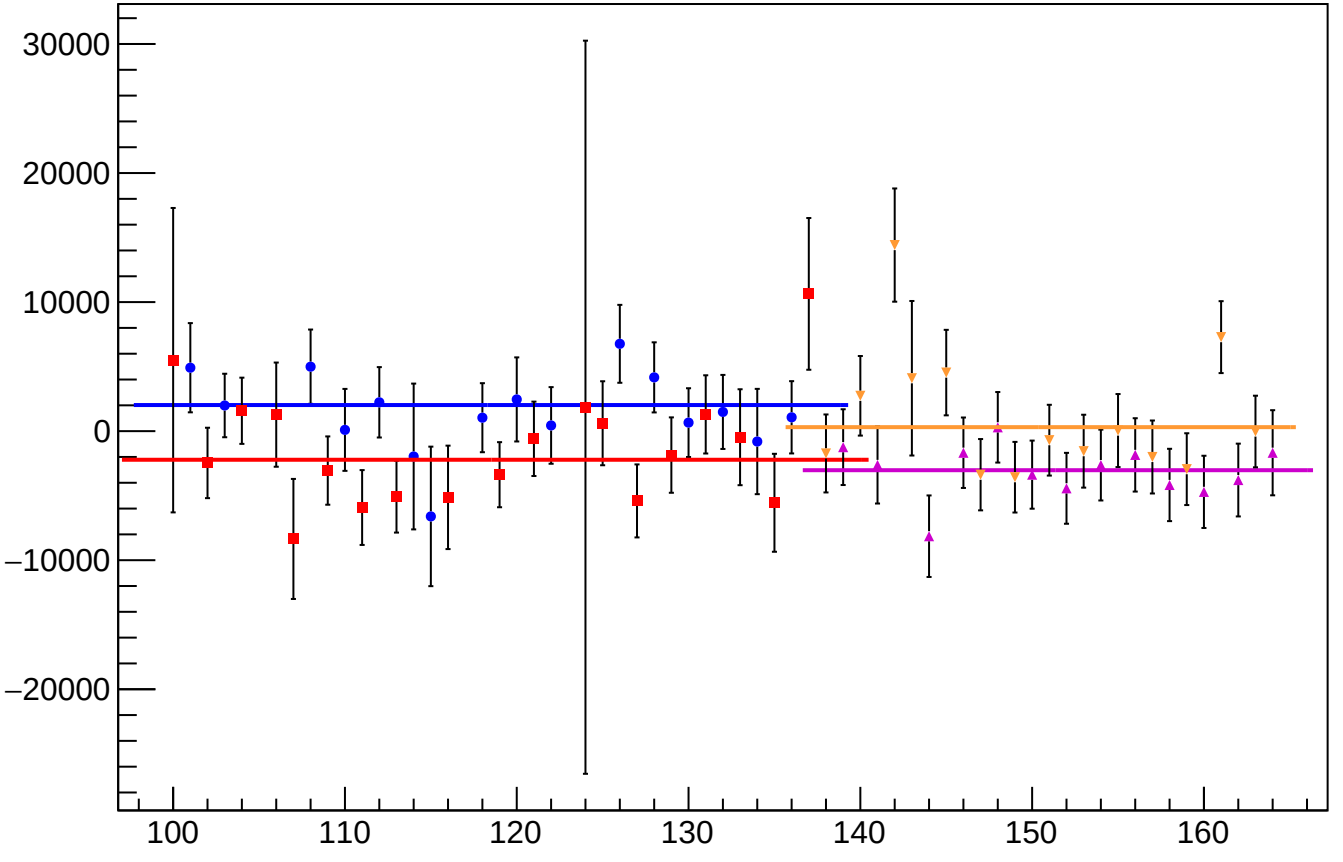
+ sign -0.000+/-0.000 χ^2/NDF: 46.9/29

All: 0.000+/-0.000 χ^2/NDF: 99.0/61

- 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:1747545.1/13
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: 5151975.8/29
All: 0.000+/-0.000 χ²/NDF: 10731780.9/61
- 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: 308.966+/-804.134 χ^2/NDF:26.1/13

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

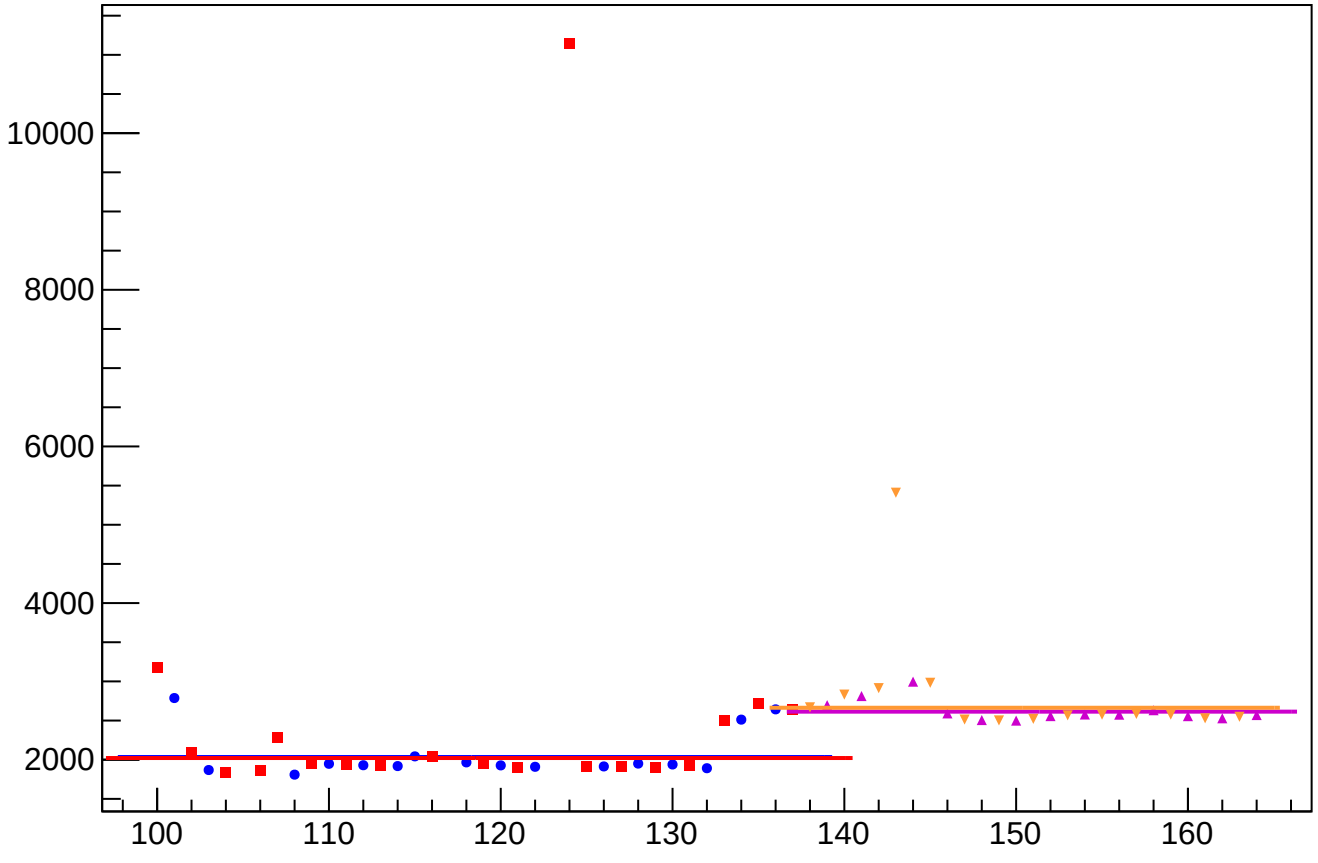
Left In: -3026.546+/-790.145 χ^2/NDF:6.0/12

+ sign 1209.260+/-554.010 χ^2/NDF: 38.1/29

All: -724.156+/-388.989 χ^2/NDF: 86.8/61

- 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: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

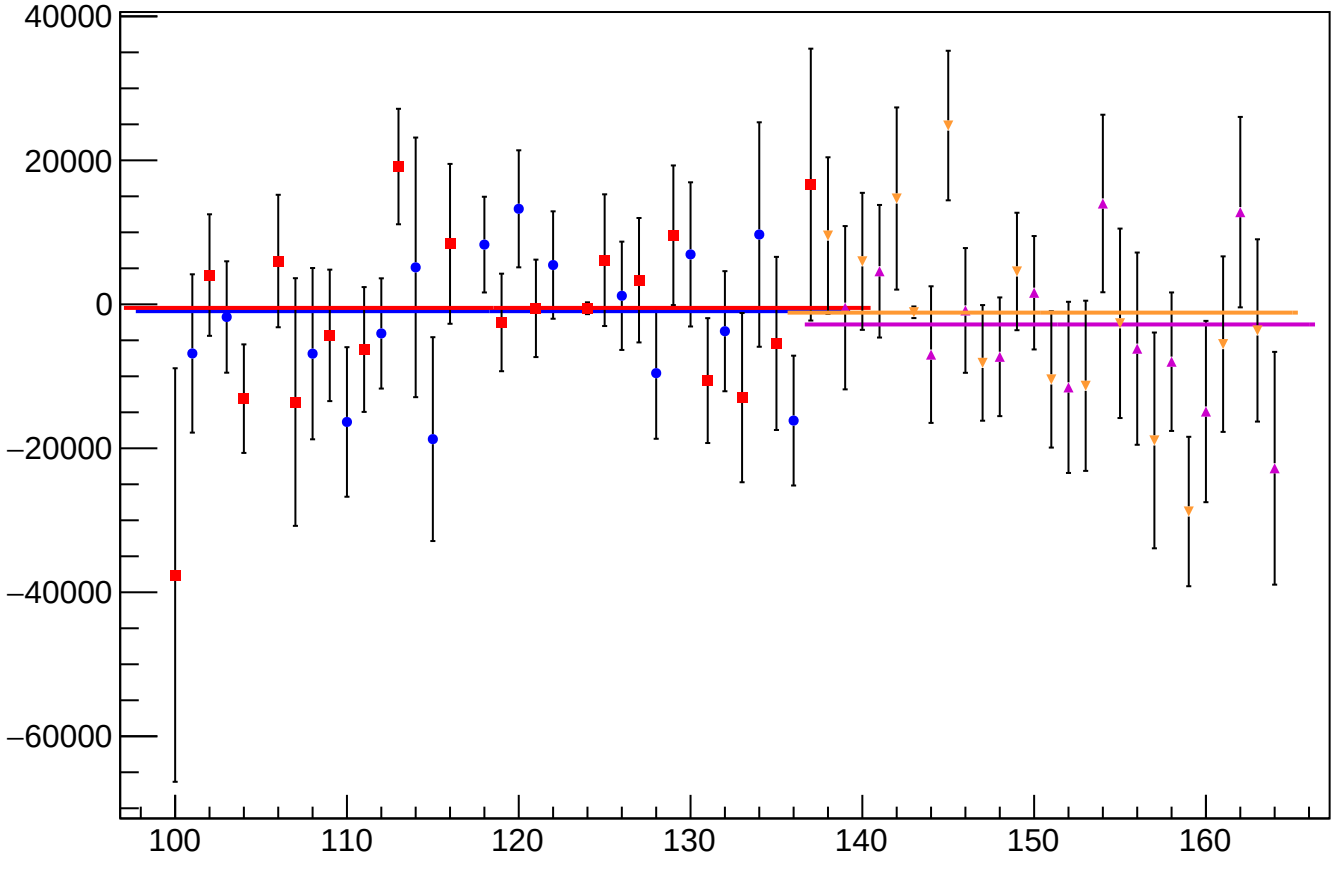
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.5/29

All: 2318.531+/-0.275 χ^2/NDF: 2423063.8/61

- 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: -1154.493+/-778.201 χ^2/NDF:21.0/13

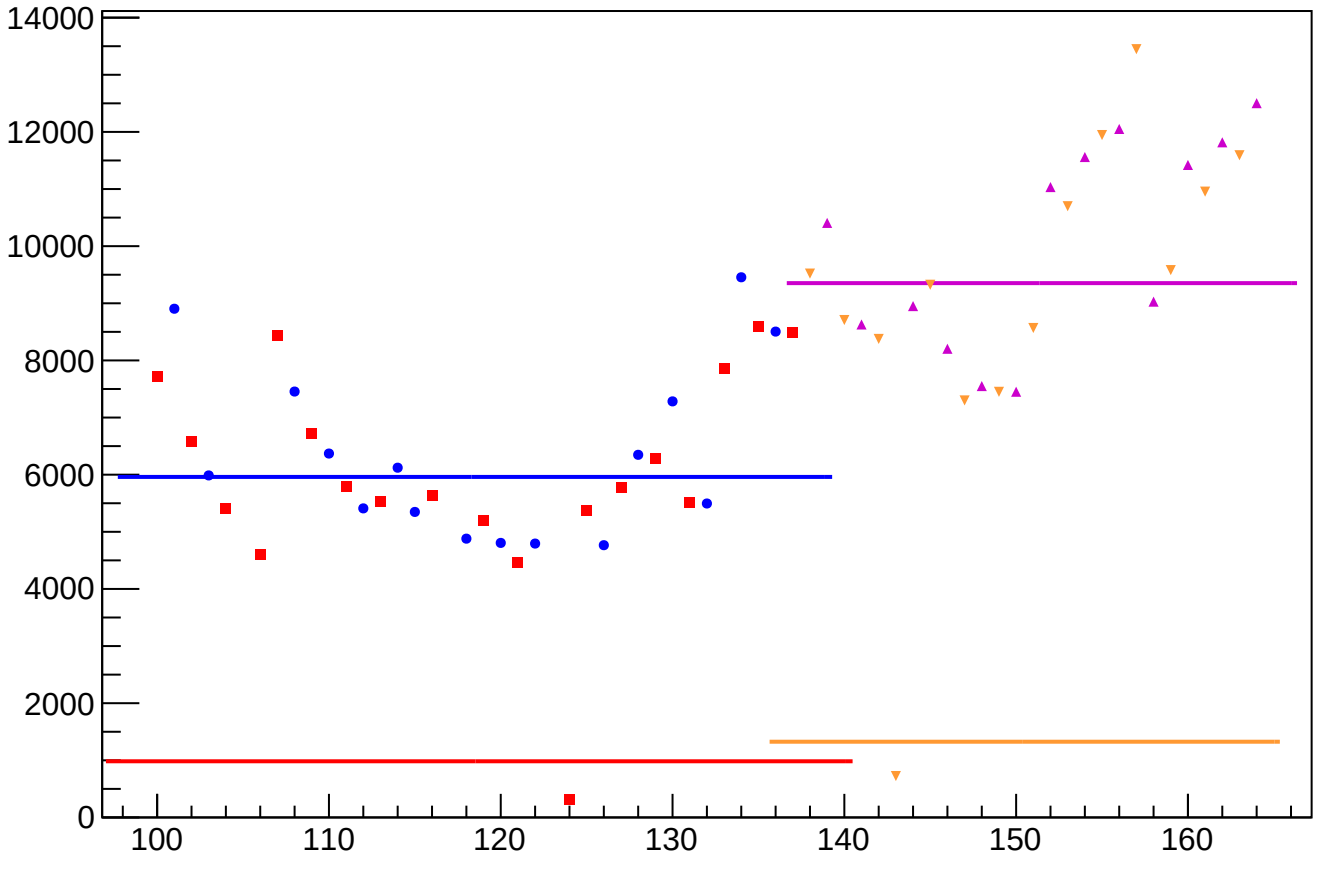
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -2796.483+/-2877.804 χ^2/NDF:8.1/12

+ sign -1133.185+/-736.434 χ^2/NDF: 36.3/29

All: -893.660+/-522.795 χ^2/NDF: 63.7/61

- sign -650.310+/-742.289 χ^2/NDF: 27.2/31



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1325.782+/-0.550 χ^2/NDF:16353820.1/13

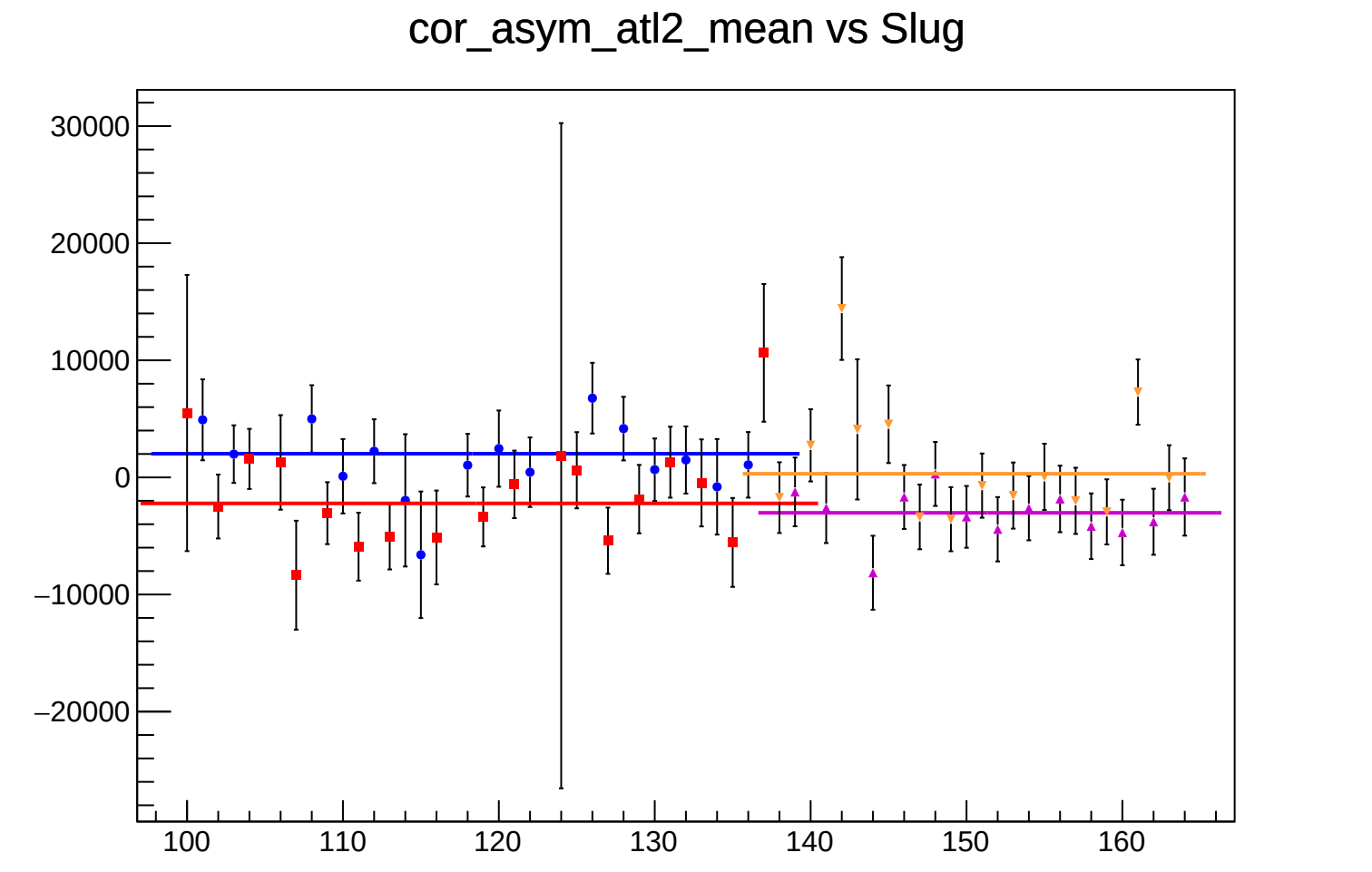
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9353.015+/-2.035 χ^2/NDF:667877.4/12

+ sign 1809.965+/-0.521 χ^2/NDF: 24454605.1/29

All: 1676.131+/-0.370 χ^2/NDF: 52463972.5/6

- sign 1540.161+/-0.525 χ^2/NDF: 27876206.8/31



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

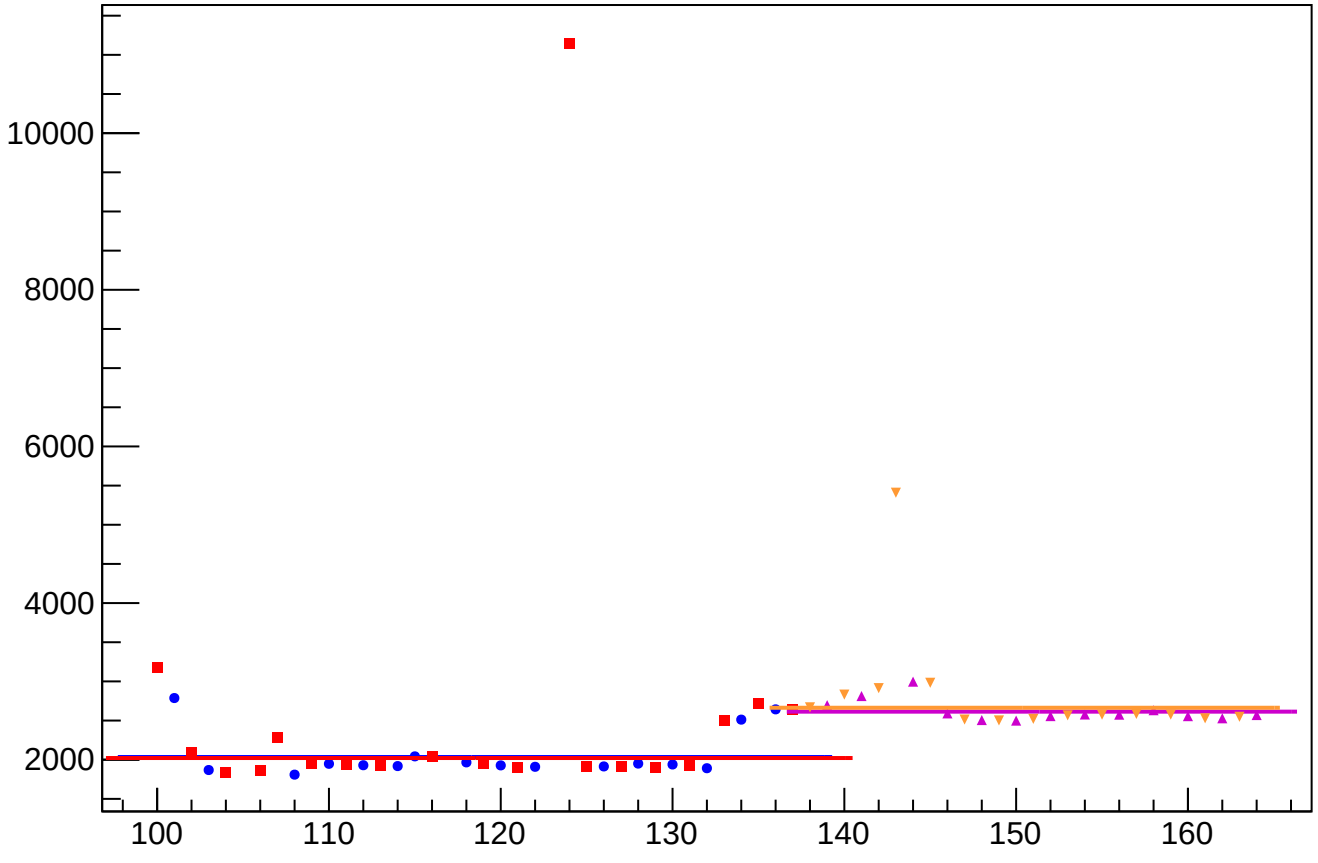
Left In: -3026.688+/-790.145 χ^2/NDF:6.0/12

+ sign 1209.371+/-554.010 χ^2/NDF: 38.1/29

All: -724.615+/-388.990 χ^2/NDF: 86.8/61

- 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: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

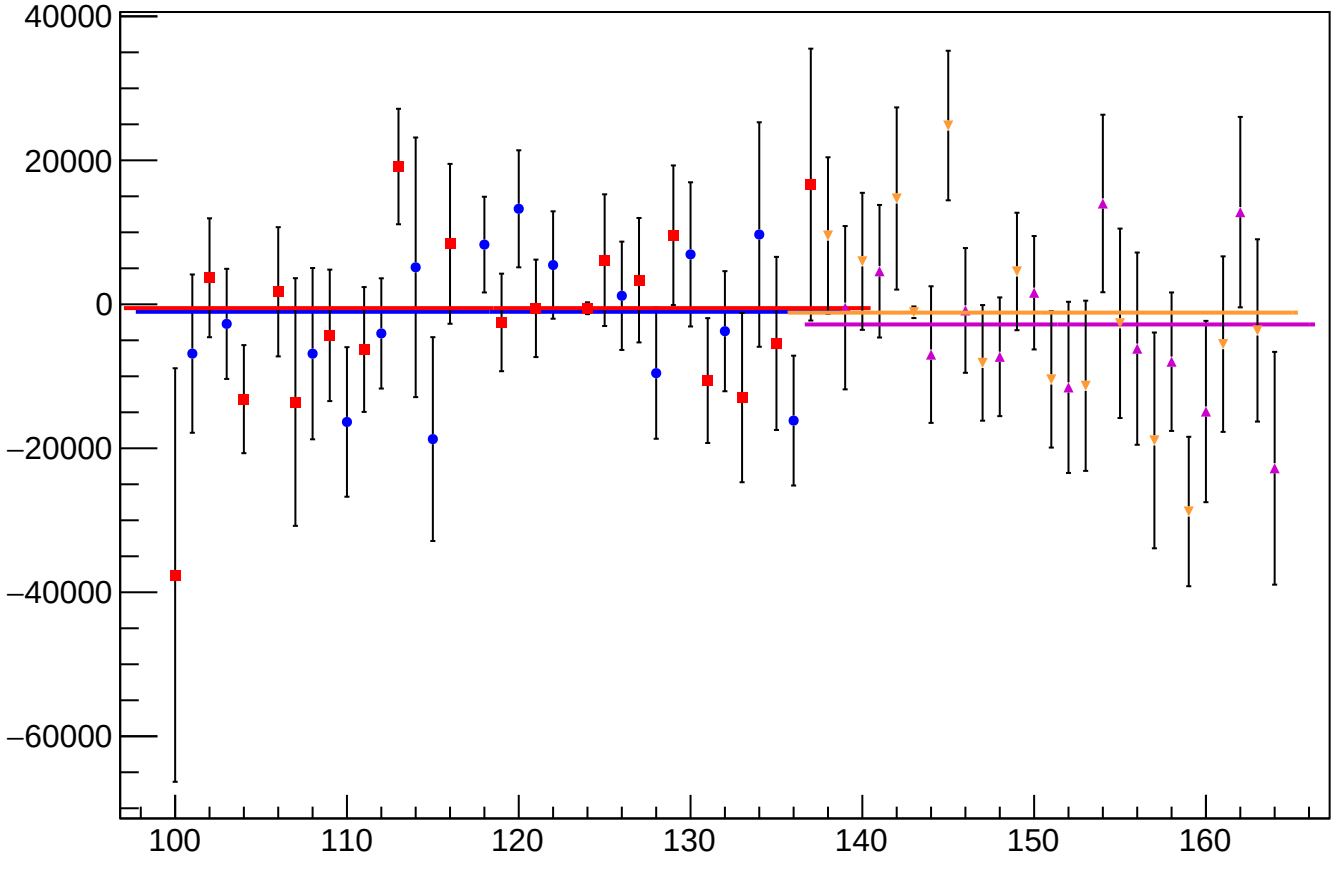
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.7/29

All: 2318.538+/-0.275 χ^2/NDF: 2423024.8/61

- 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: -1154.244+/-778.131 χ^2/NDF:21.0/13

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

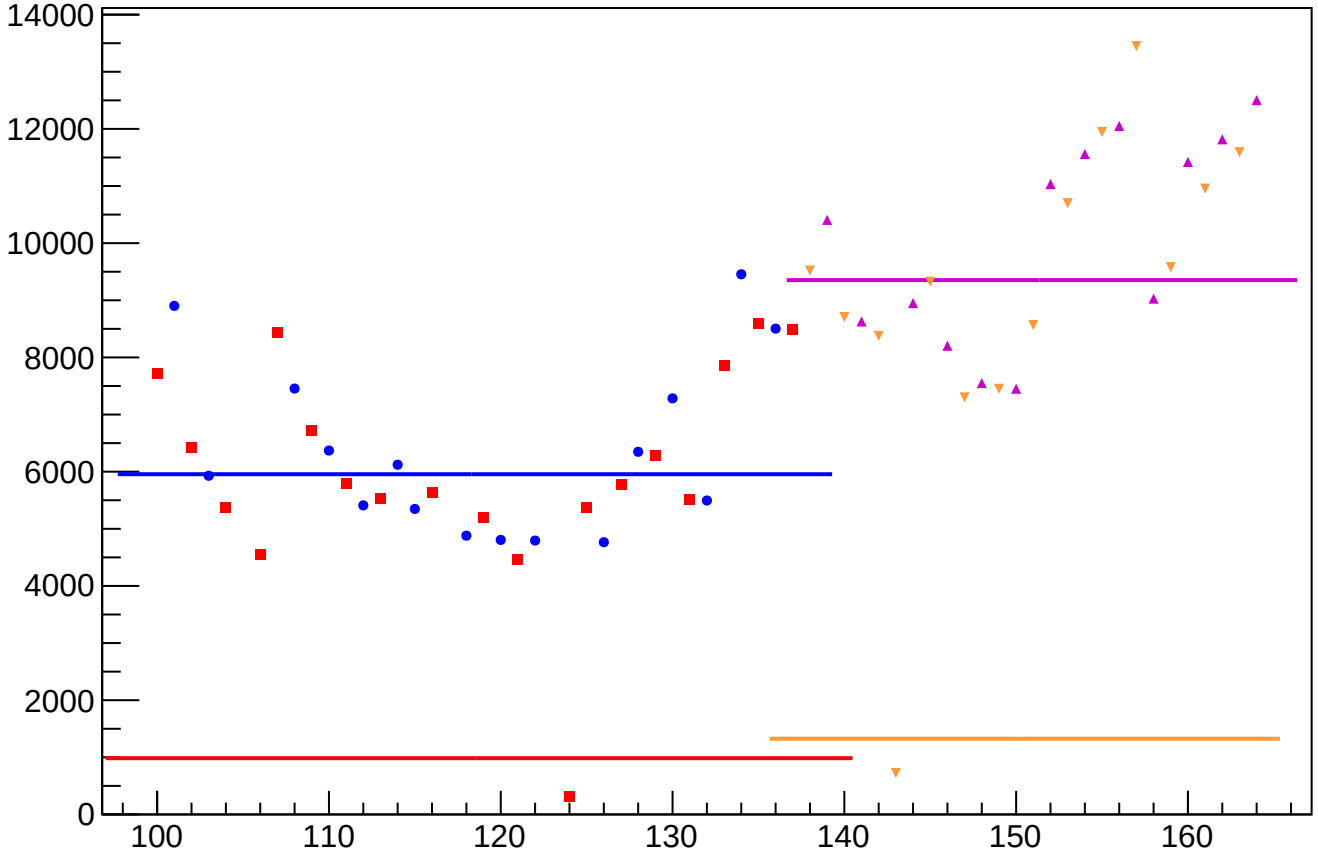
Left In: -2796.648+/-2877.801 χ^2/NDF:8.1/12

+ sign -1142.074+/-736.295 χ^2/NDF: 36.4/29

All: -913.458+/-522.639 χ^2/NDF: 63.3/61

- 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: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

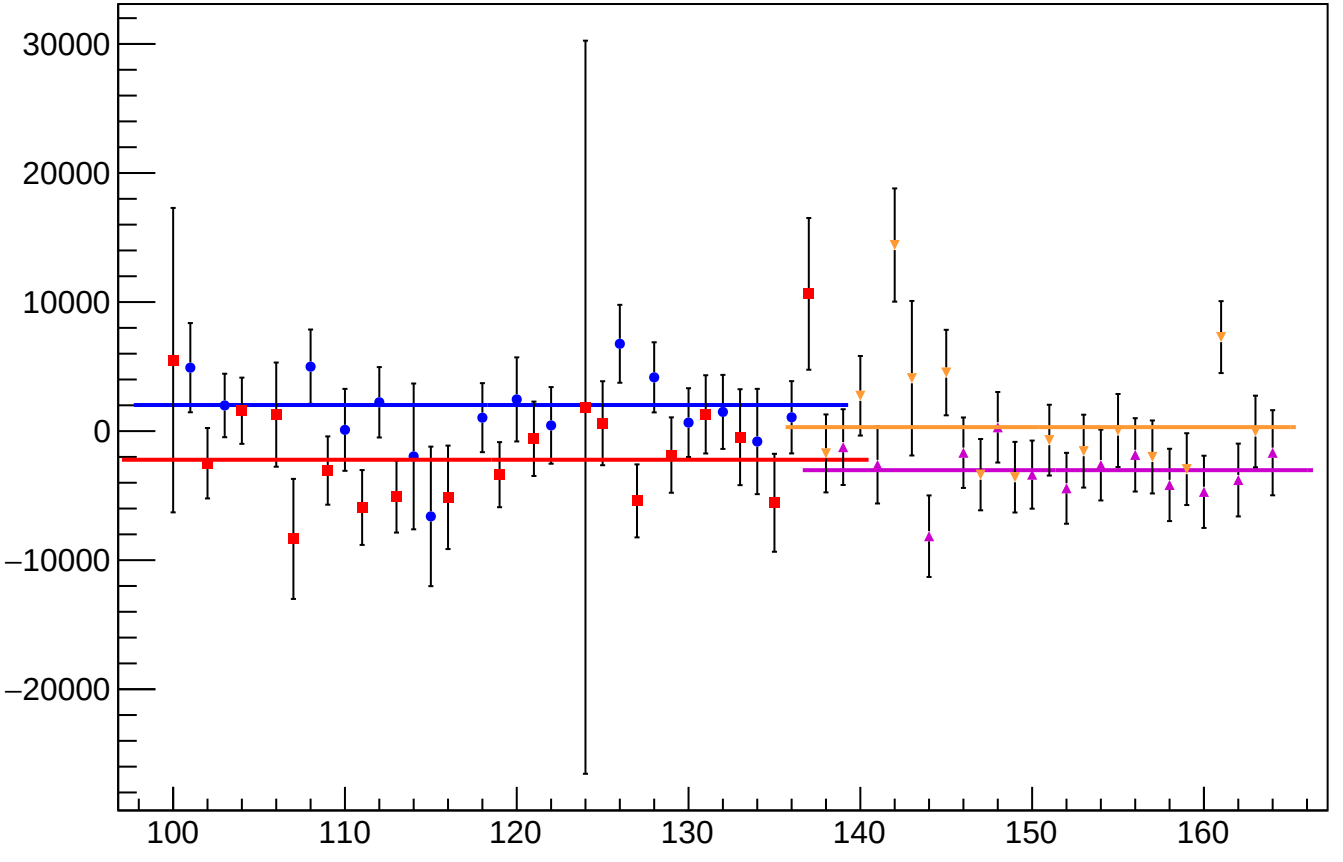
Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

+ sign 1810.088+/-0.521 χ^2/NDF: 24452816.1/29

All: 1676.736+/-0.370 χ^2/NDF: 52451805.4/6

- 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: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

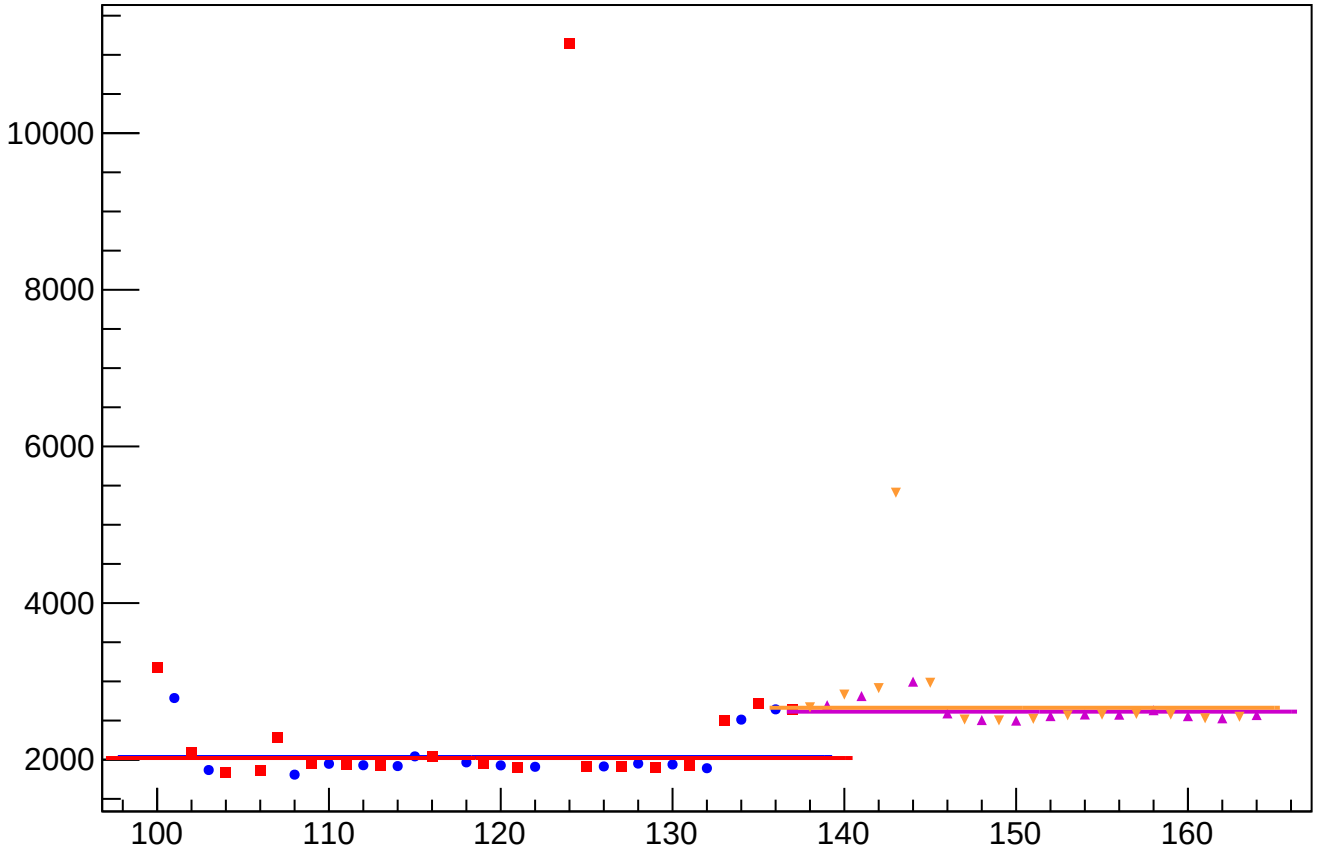
Left In: -3026.688+/-790.145 χ^2/NDF:6.0/12

+ sign 1209.371+/-554.010 χ^2/NDF: 38.1/29

All: -724.615+/-388.990 χ^2/NDF: 86.8/61

- 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: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

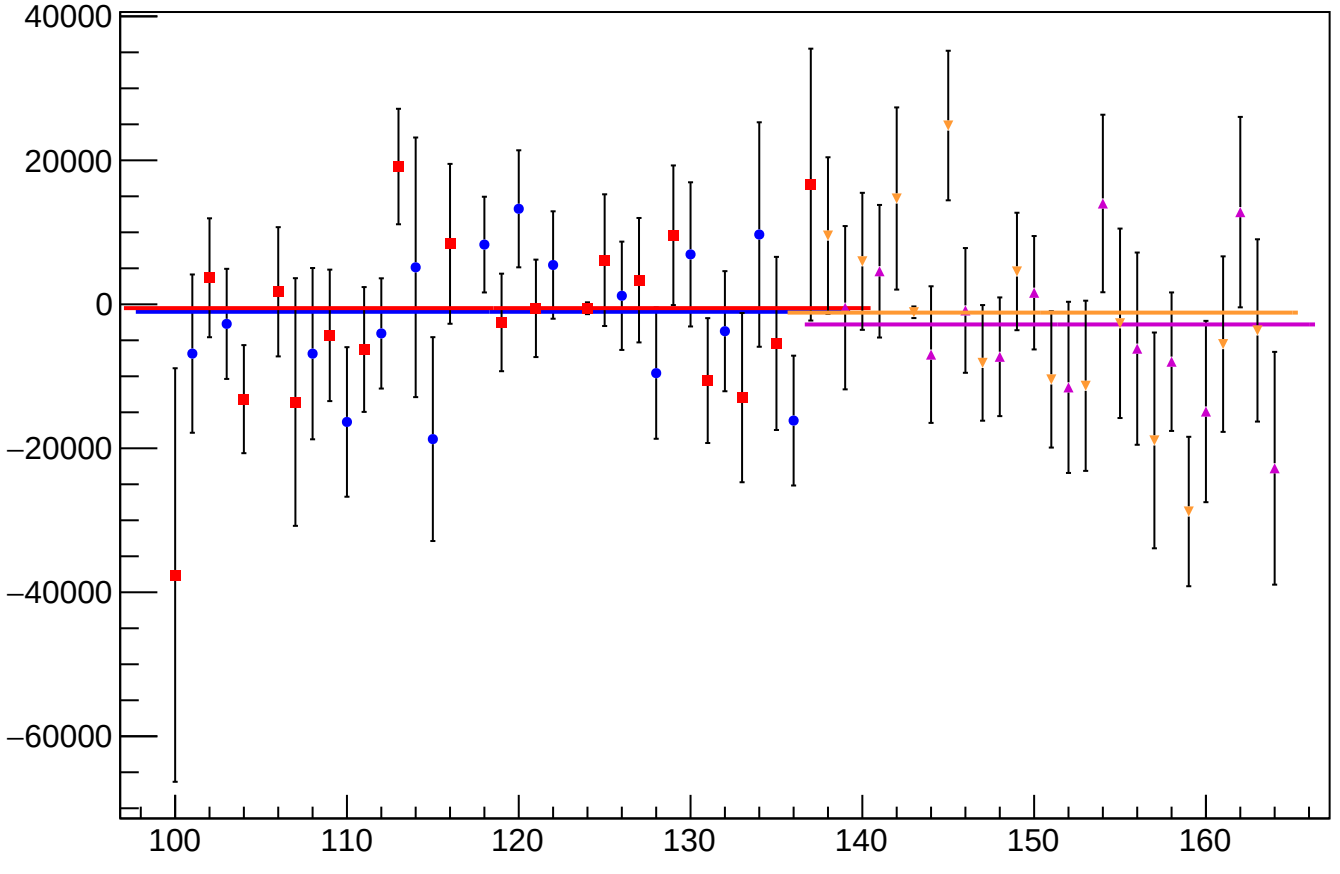
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.7/29

All: 2318.538+/-0.275 χ^2/NDF: 2423024.8/61

- 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: -1154.244+/-778.131 χ^2/NDF:21.0/13

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

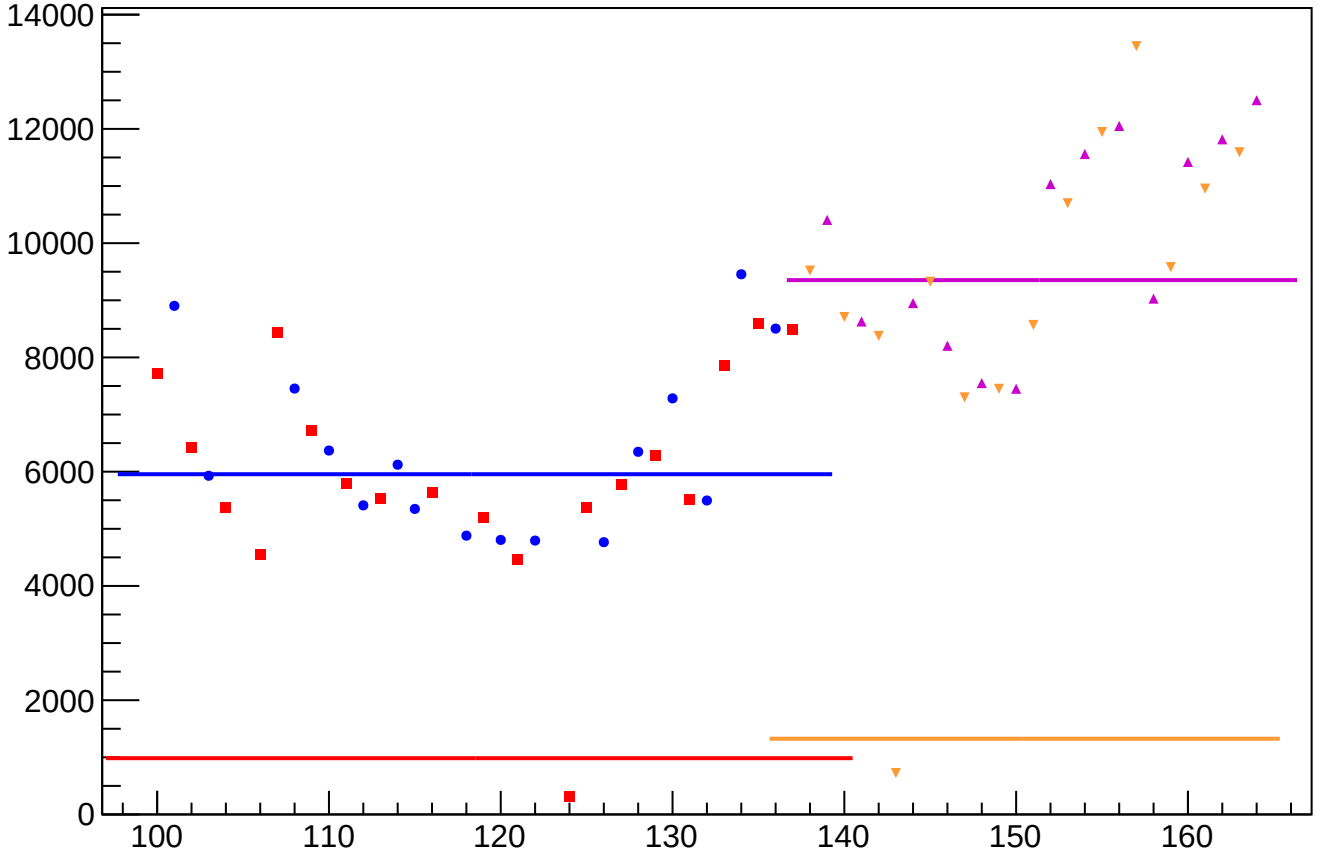
Left In: -2796.648+/-2877.801 χ^2/NDF:8.1/12

+ sign -1142.074+/-736.295 χ^2/NDF: 36.4/29

All: -913.458+/-522.639 χ^2/NDF: 63.3/61

- 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: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

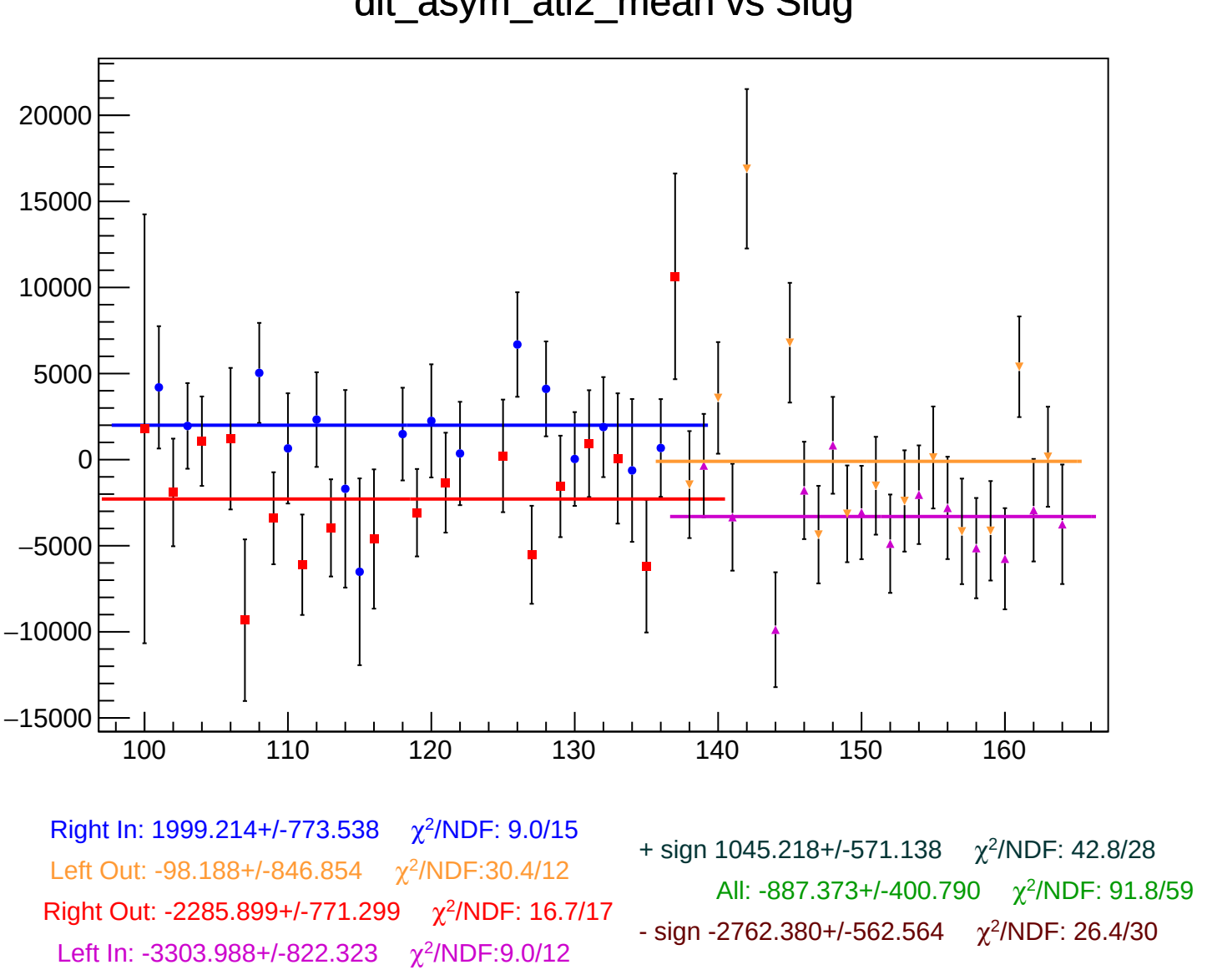
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

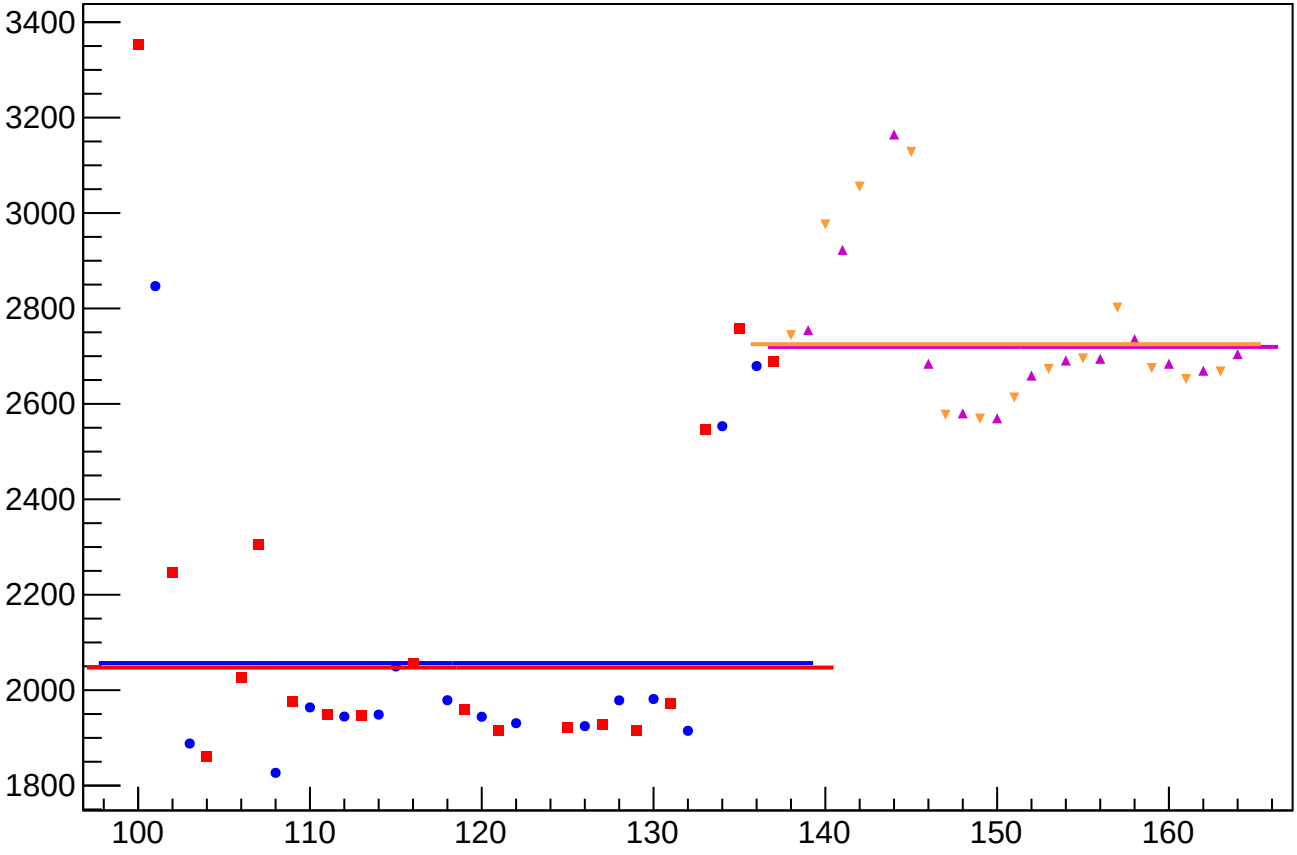
+ sign 1810.088+/-0.521 χ^2/NDF: 24452816.1/29

All: 1676.736+/-0.370 χ^2/NDF: 52451805.4/6

- sign 1541.315+/-0.525 χ^2/NDF: 27866764.5/31


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -98.188+/-846.854 χ²/NDF:30.4/12
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -3303.988+/-822.323 χ²/NDF:9.0/12
+ sign 1045.218+/-571.138 χ²/NDF: 42.8/28
All: -887.373+/-400.790 χ²/NDF: 91.8/59
- sign -2762.380+/-562.564 χ²/NDF: 26.4/30

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.096+/-0.599 χ^2/NDF:68540.1/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

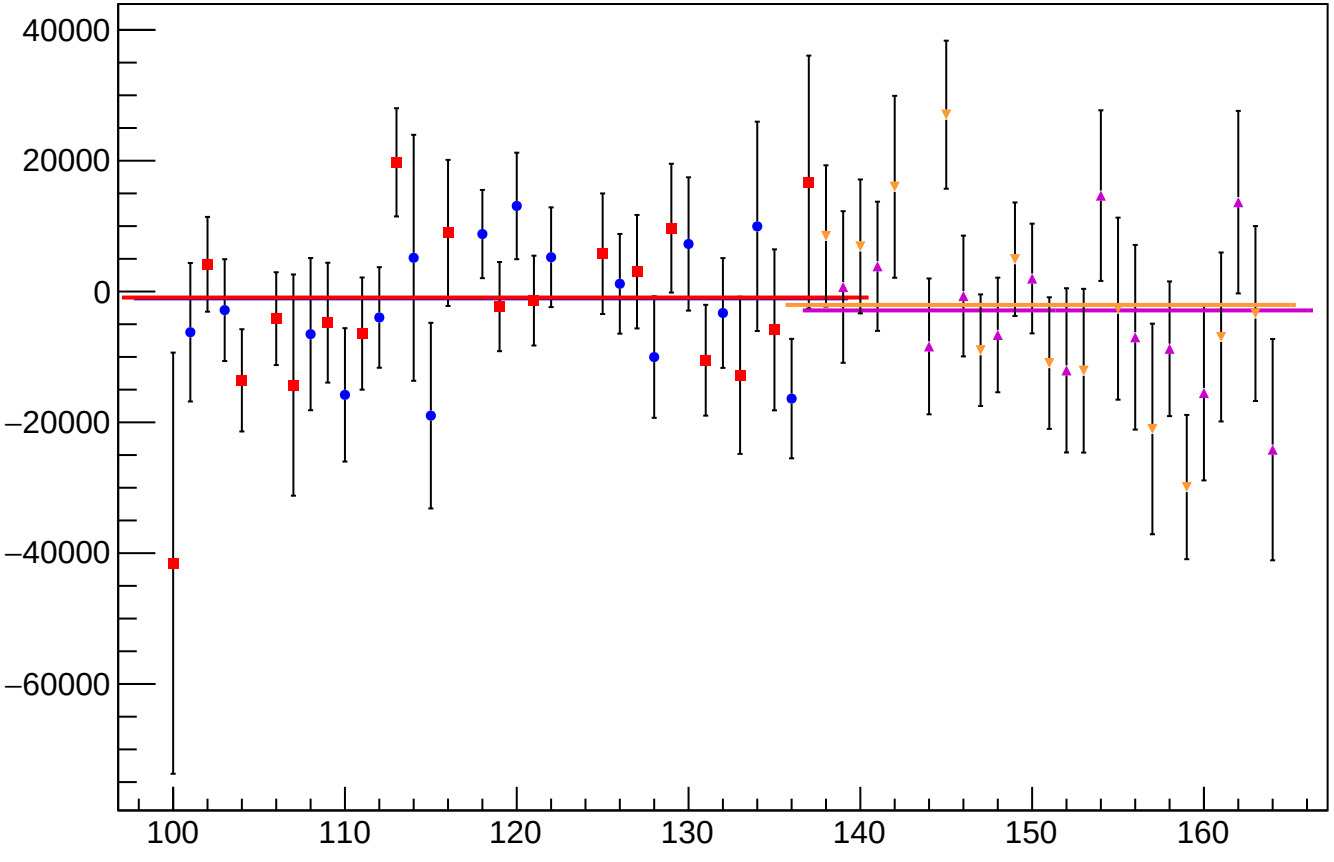
Left In: 2719.441+/-0.581 χ^2/NDF:57940.2/12

+ sign 2360.770+/-0.404 χ^2/NDF: 1018004.2/28

All: 2361.100+/-0.283 χ^2/NDF: 1984090.2/59

- 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: -2045.264+/-3112.381 χ^2/NDF:20.7/12

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

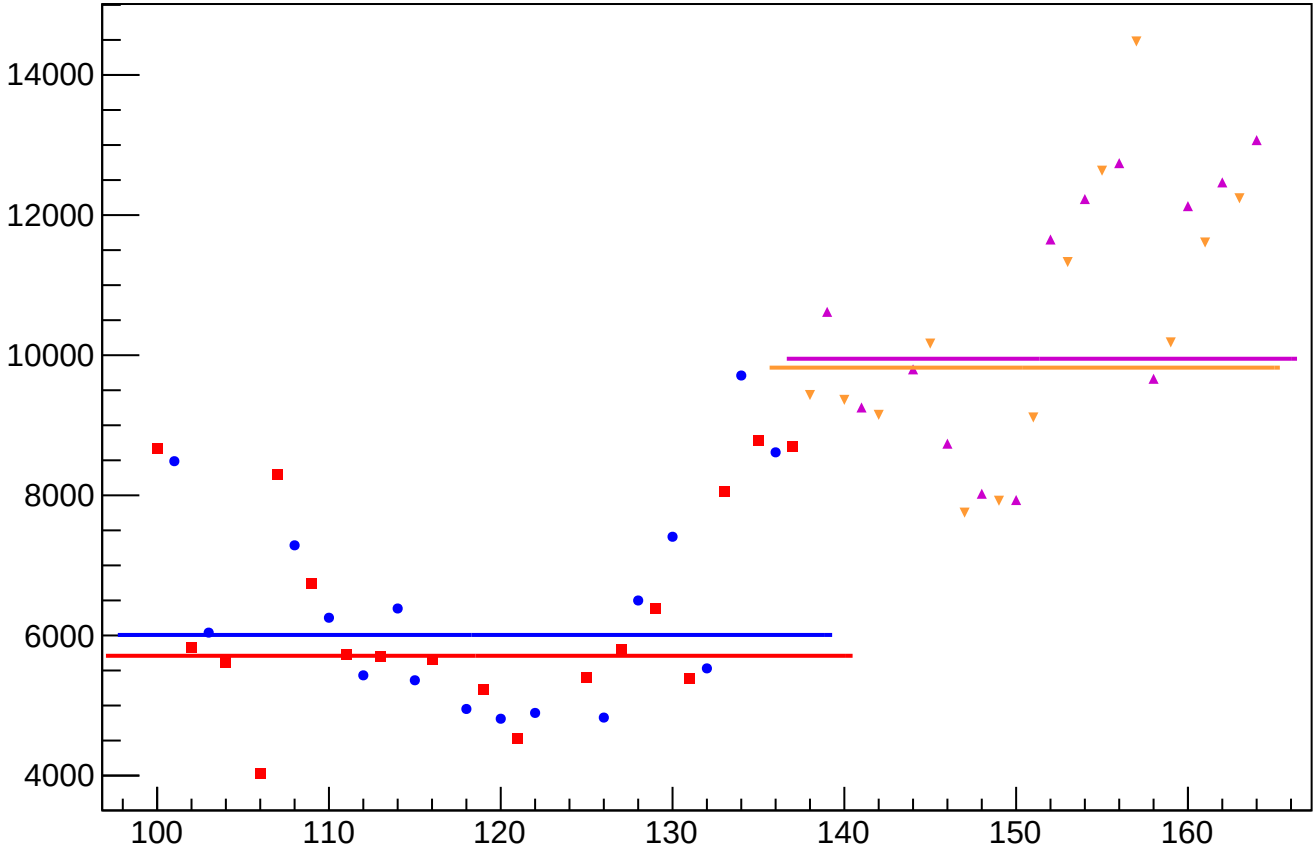
Left In: -2886.485+/-3059.022 χ^2/NDF:8.1/12

+ sign -1395.621+/-1846.926 χ^2/NDF: 36.0/28

All: -1487.220+/-1273.936 χ^2/NDF: 62.7/59

- 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: 9822.724+/-2.201 χ^2/NDF:620467.5/12

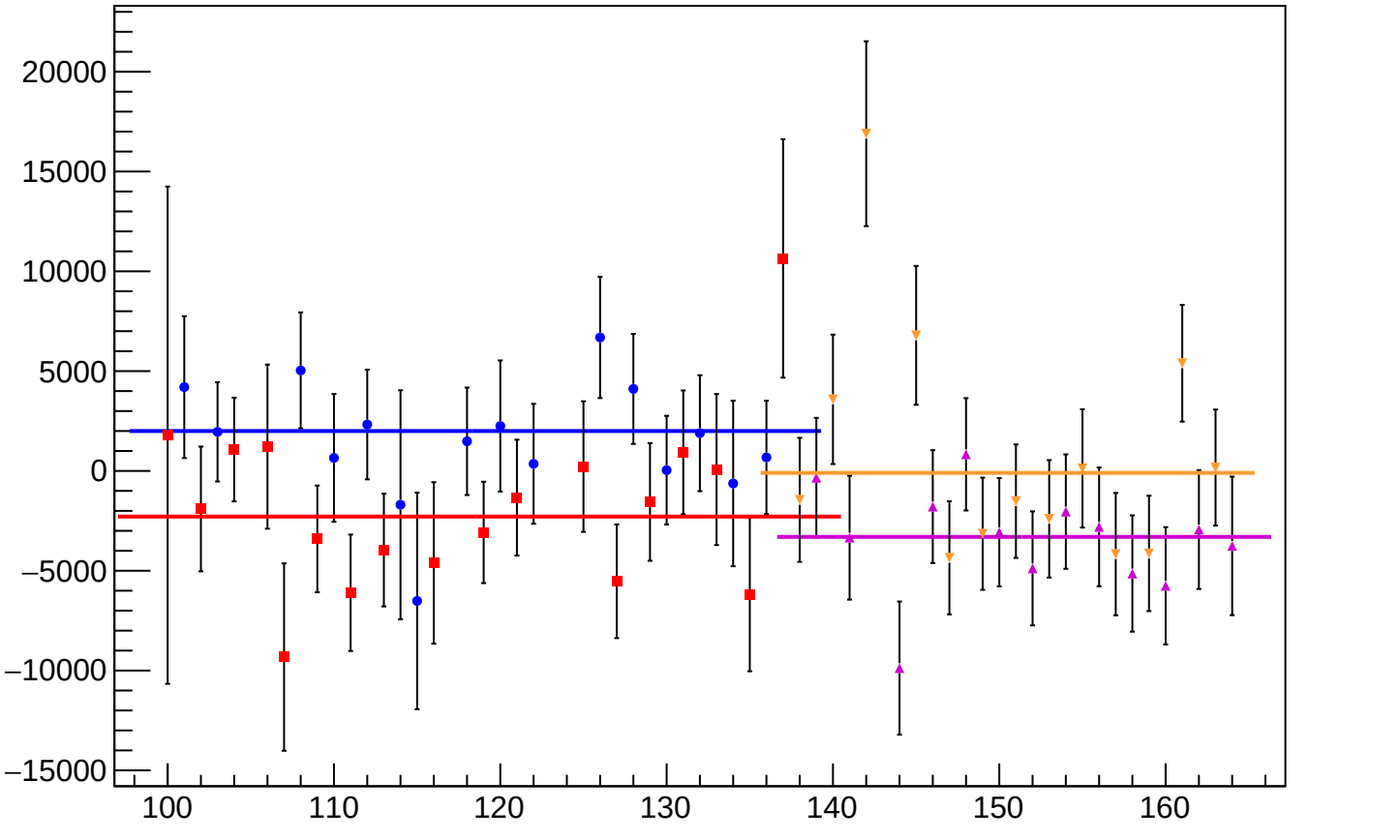
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9949.631+/-2.163 χ^2/NDF:627819.3/12

+ sign 7350.938+/-1.306 χ^2/NDF: 3221544.9/28

All: 7225.963+/-0.901 χ^2/NDF: 6973603.1/59

- sign 7112.542+/-1.244 χ^2/NDF: 3734589.9/30



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.196+/-846.855 χ^2/NDF:30.4/12

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

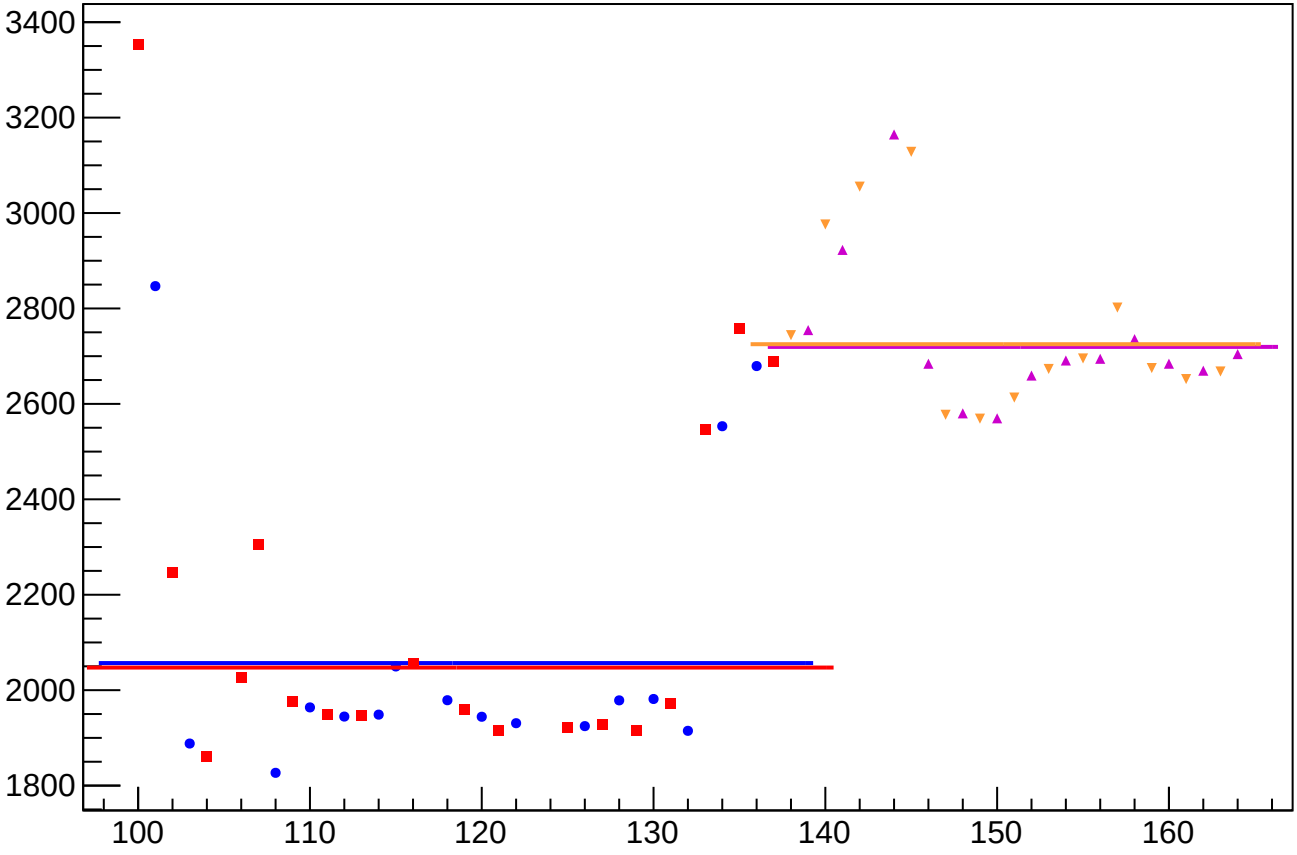
Left In: -3303.990+/-822.324 χ^2/NDF:9.0/12

+ sign 1045.218+/-571.138 χ^2/NDF: 42.8/28

All: -887.375+/-400.790 χ^2/NDF: 91.8/59

- 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: 2725.099+/-0.599 χ^2/NDF:68541.3/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

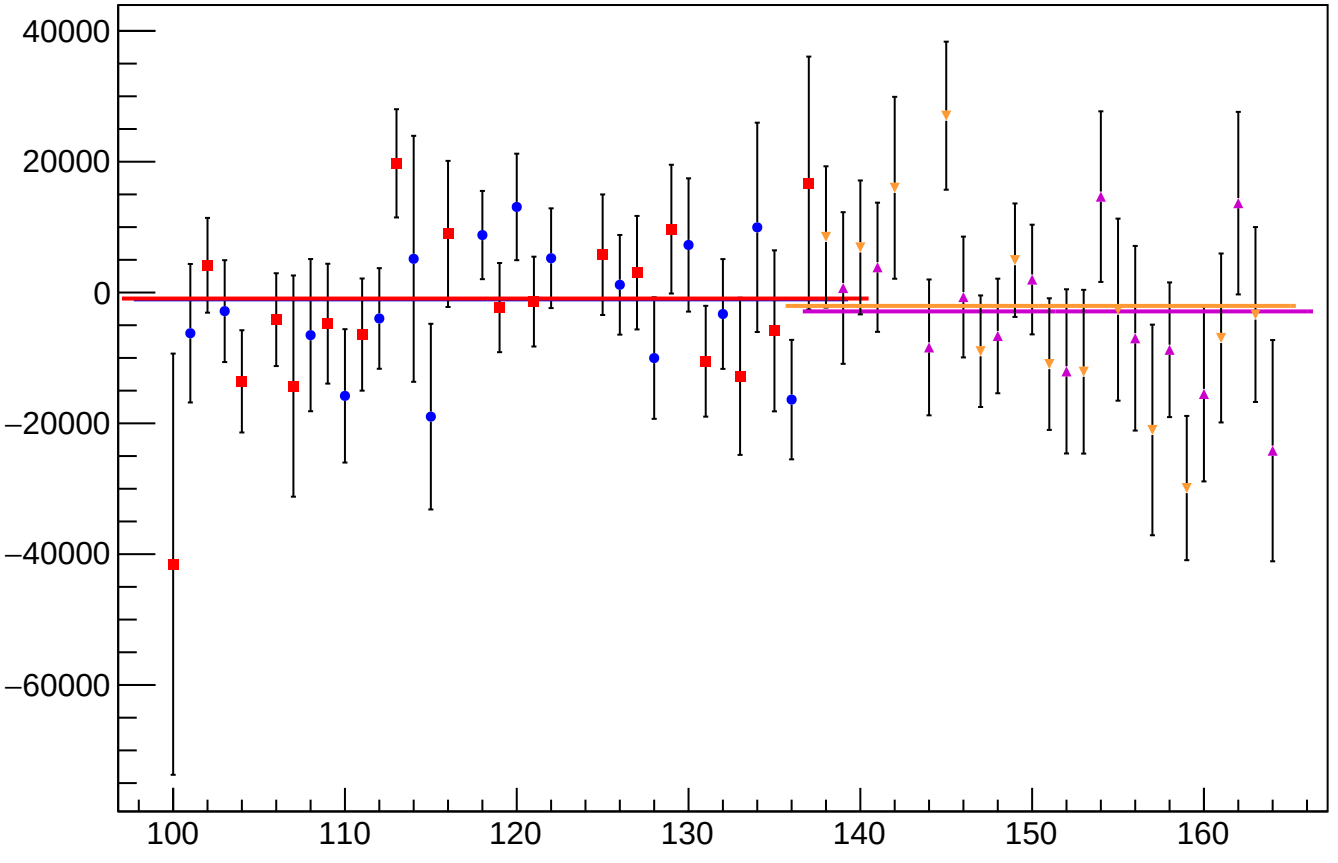
Left In: 2719.444+/-0.581 χ^2/NDF:57940.7/12

+ sign 2360.771+/-0.404 χ^2/NDF: 1018010.4/28

All: 2361.101+/-0.283 χ^2/NDF: 1984103.2/59

- 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: -2045.276+/-3112.386 χ^2/NDF:20.7/12

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

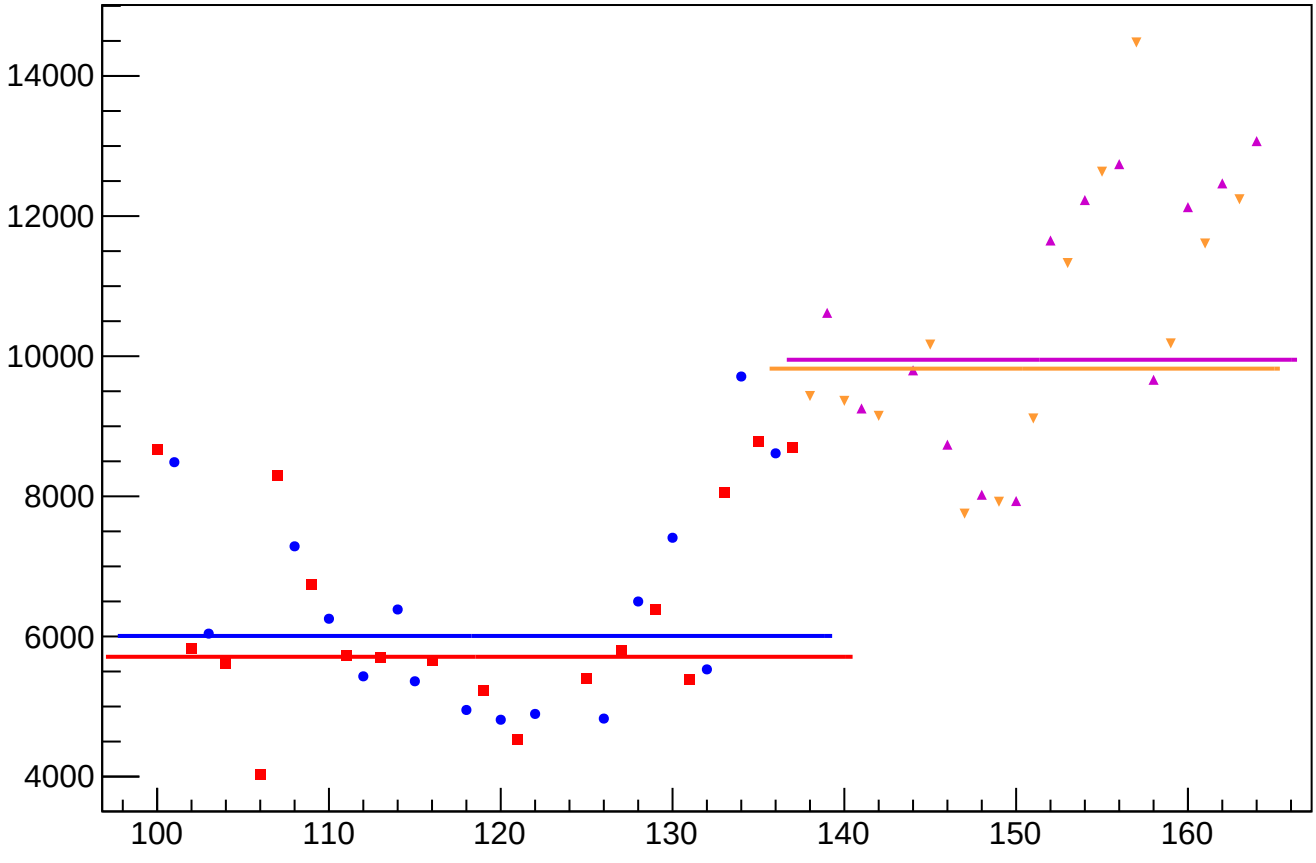
Left In: -2886.485+/-3059.026 χ^2/NDF:8.1/12

+ sign -1395.616+/-1846.923 χ^2/NDF: 36.0/28

All: -1487.217+/-1273.935 χ^2/NDF: 62.7/59

- 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: 9822.737+/-2.201 χ^2/NDF:620470.3/12

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

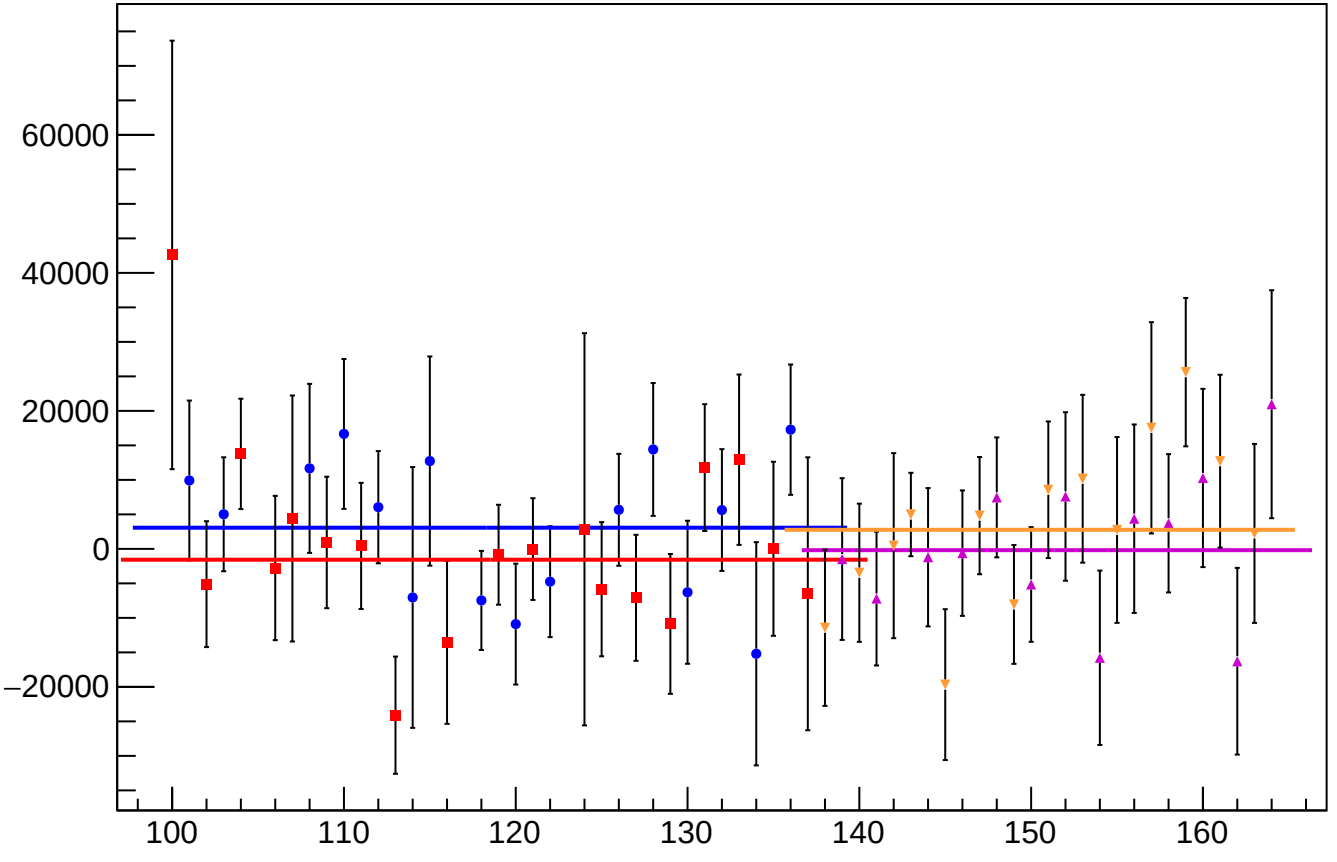
Left In: 9949.643+/-2.163 χ^2/NDF:627822.7/12

+ sign 7350.922+/-1.306 χ^2/NDF: 3221589.6/28

All: 7225.948+/-0.901 χ^2/NDF: 6973690.6/59

- 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: 2764.114+/-2730.394 χ^2/NDF:14.8/13

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

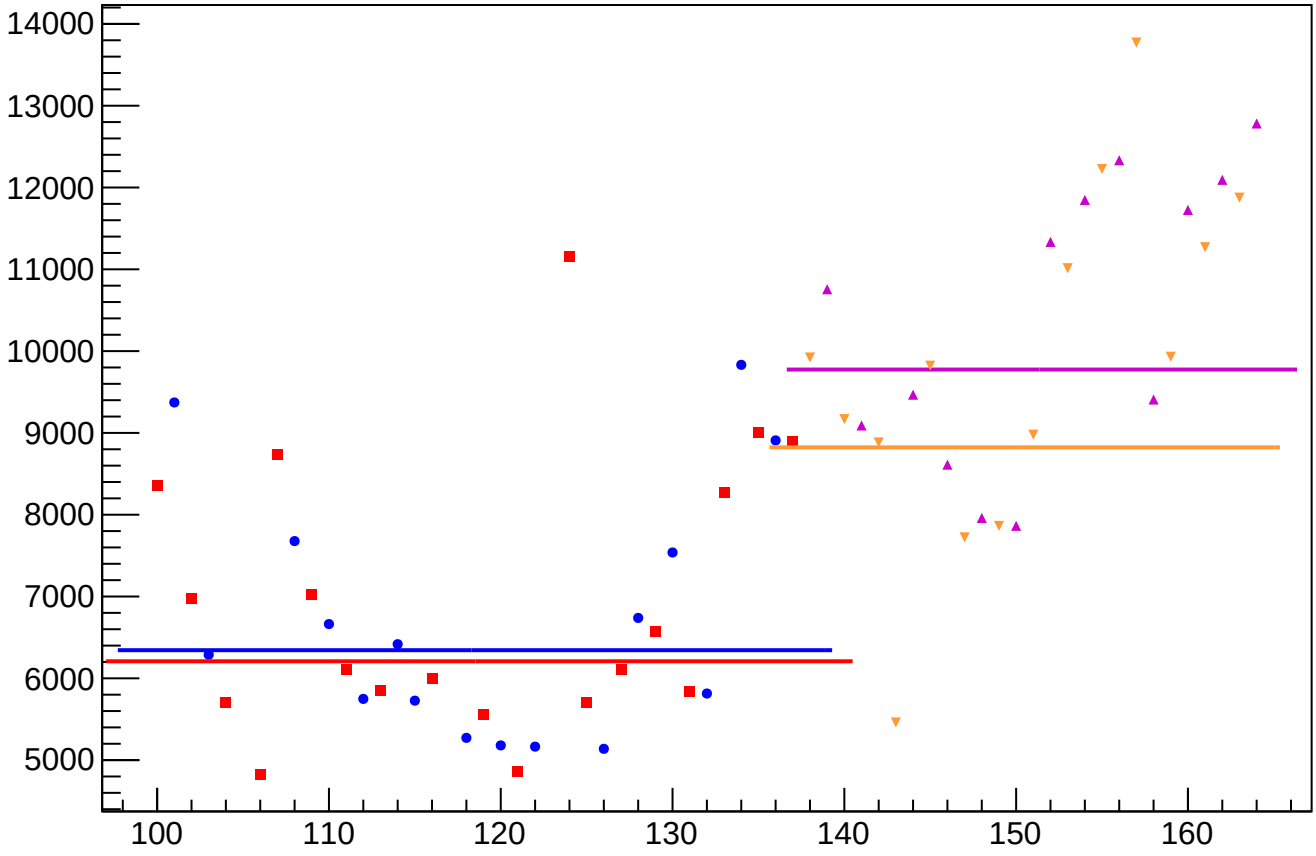
Left In: -185.816+/-3000.099 χ^2/NDF:7.6/12

+ sign 2935.544+/-1811.342 χ^2/NDF: 29.6/29

All: 979.483+/-1291.893 χ^2/NDF: 58.9/61

- 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: 8823.358+/-1.931 χ^2/NDF:1325846.1/13

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

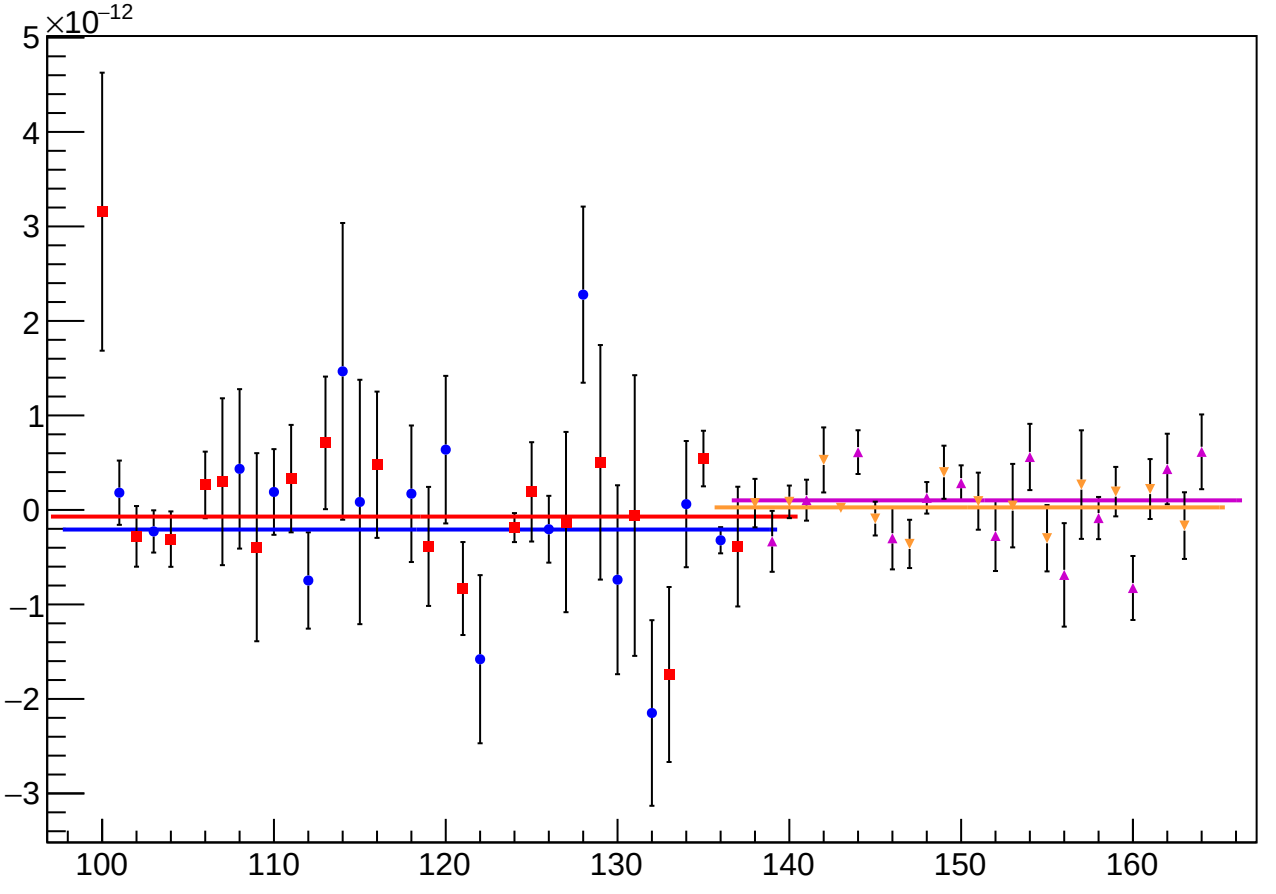
Left In: 9774.636+/-2.121 χ^2/NDF:581489.3/12

\+ sign 7435.046+/-1.281 χ^2/NDF: 2870595.3/29

All: 7493.578+/-0.914 χ^2/NDF: 5687913.0/61

\- 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:8.9/13

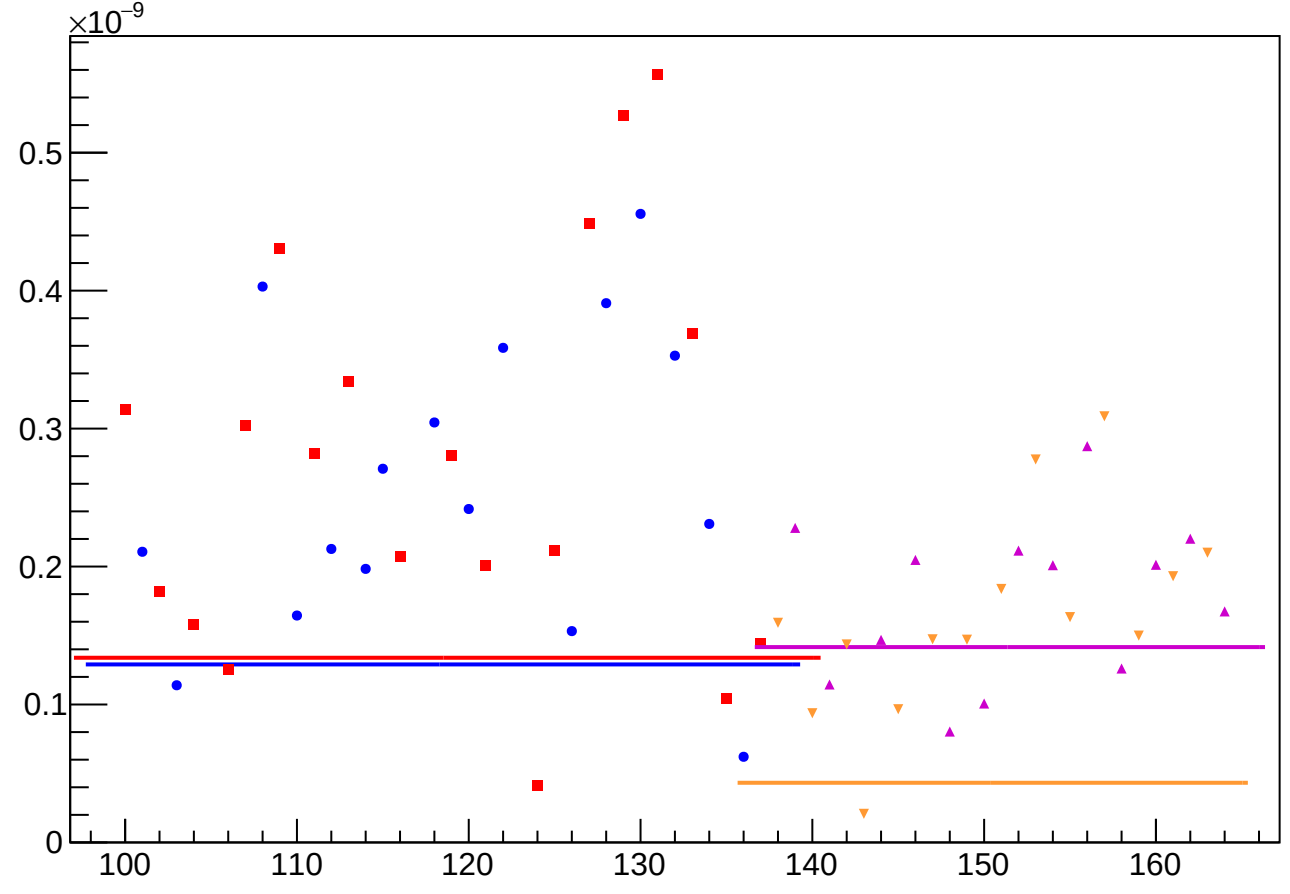
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/29

All: 0.000+/-0.000 χ^2/NDF: 83.1/61

- 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:5216071.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

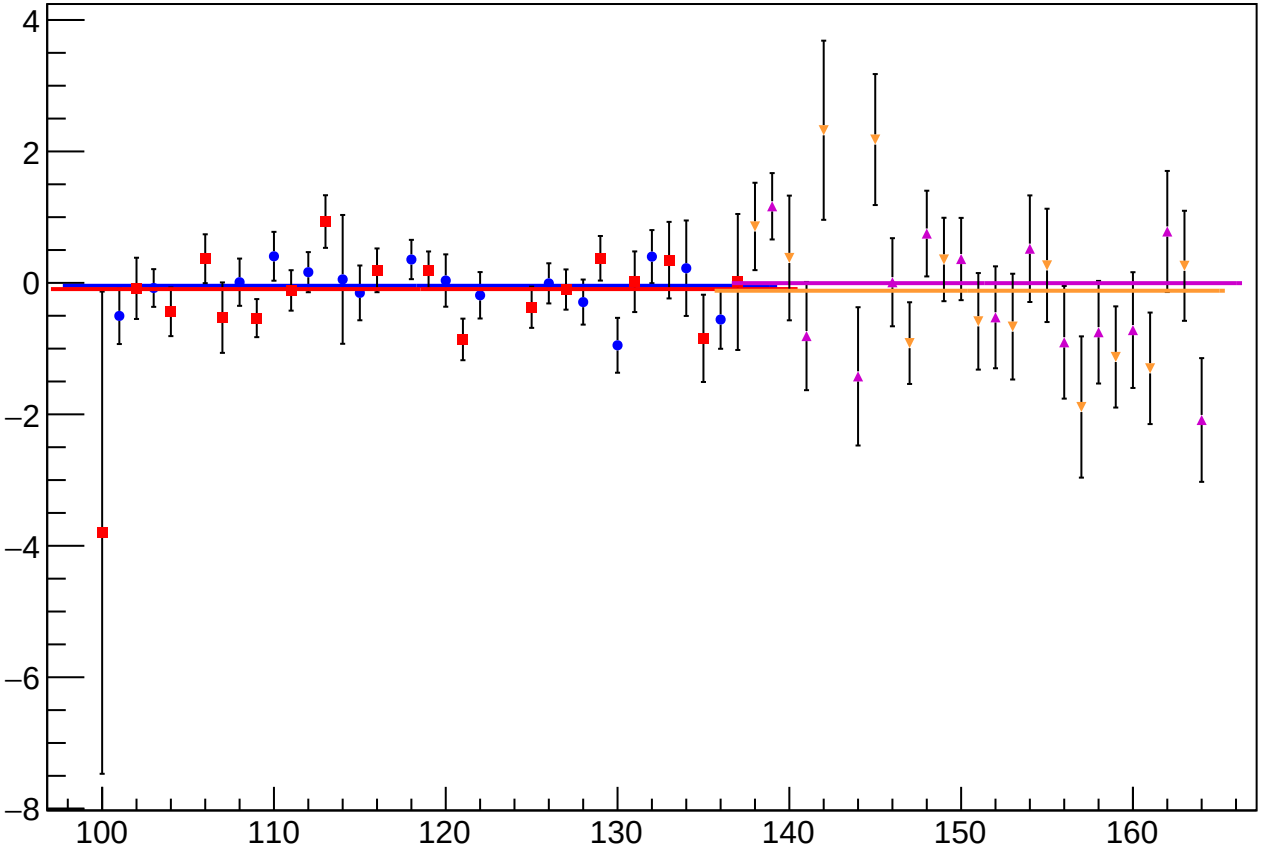
Left In: 0.000+/-0.000 χ^2/NDF:1051411.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 8391809.5/29

All: 0.000+/-0.000 χ^2/NDF: 15219103.1/61

- 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: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

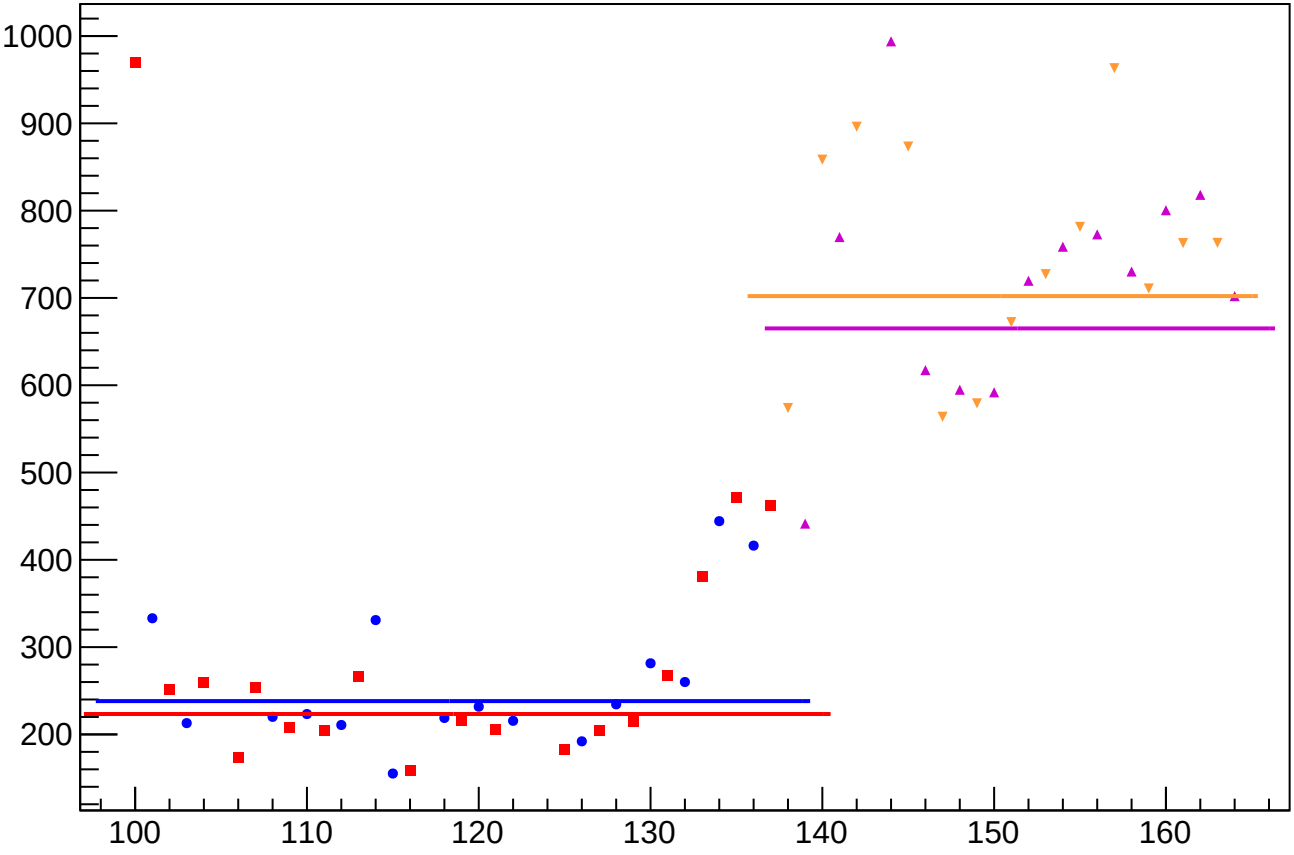
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

\+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.068+/-0.060 χ^2/NDF: 78.5/59

\- 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: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

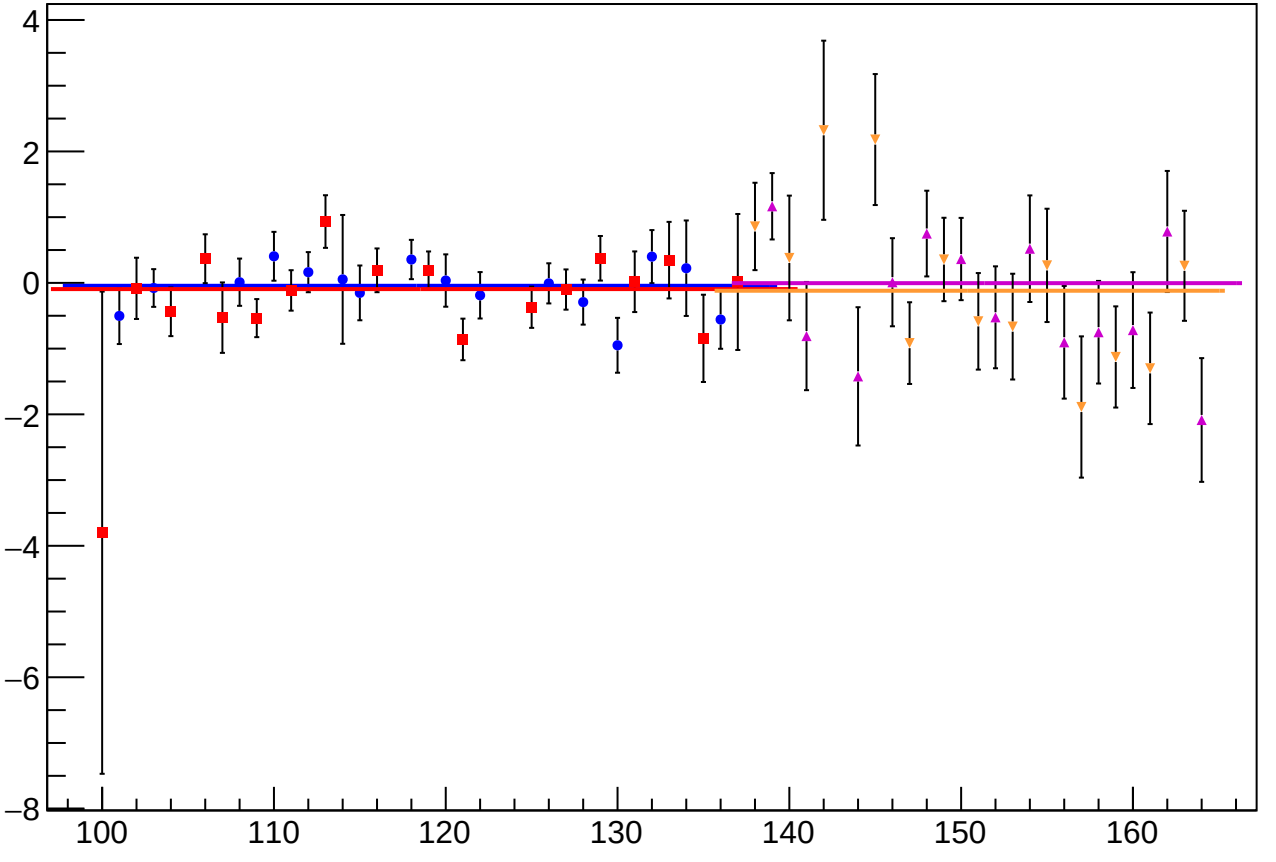
Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

+ sign 307.898+/-0.061 χ^2/NDF: 8724977.0/28

All: 300.286+/-0.042 χ^2/NDF: 18108486.6/59

- 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: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

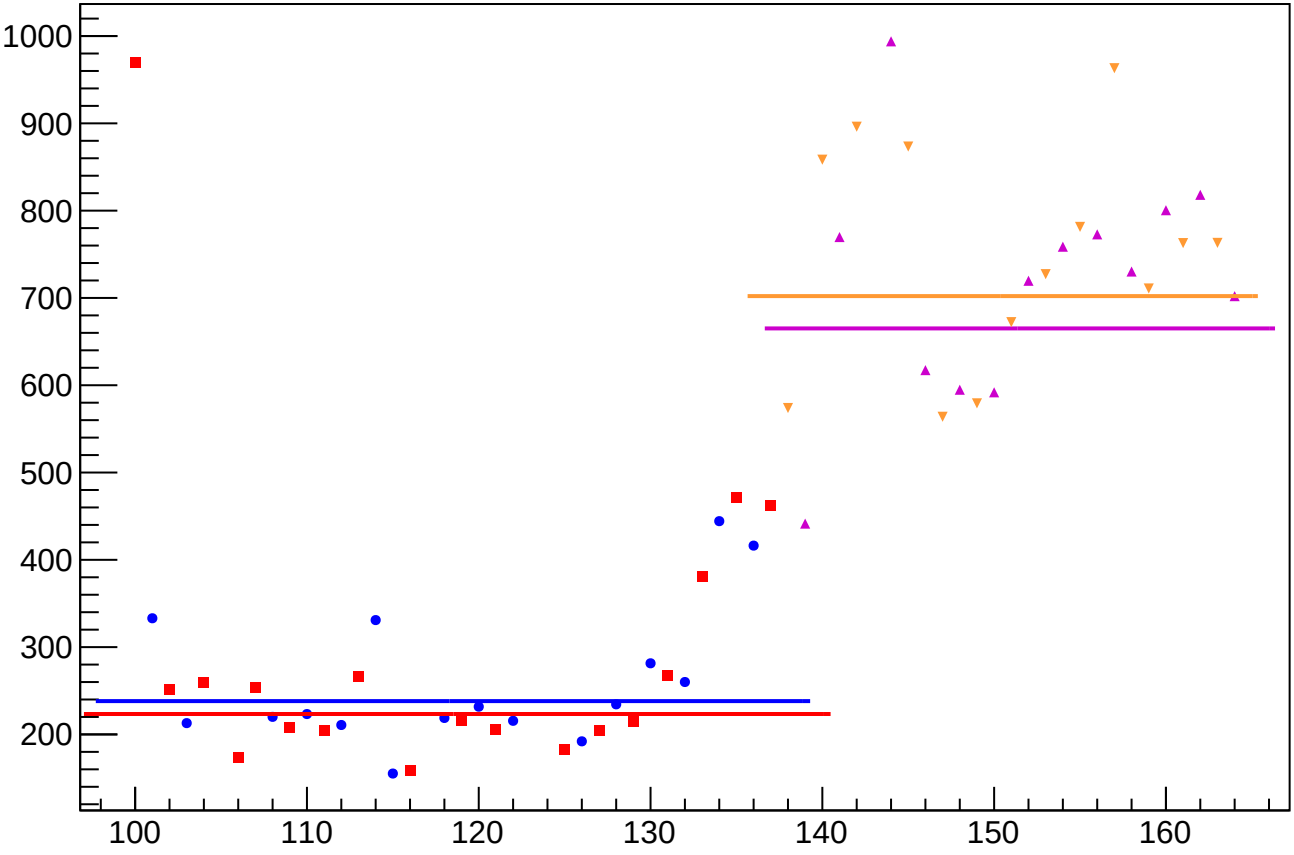
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.068+/-0.060 χ^2/NDF: 78.5/59

- 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: 702.108+/-0.158 χ^2/NDF:563515.0/12

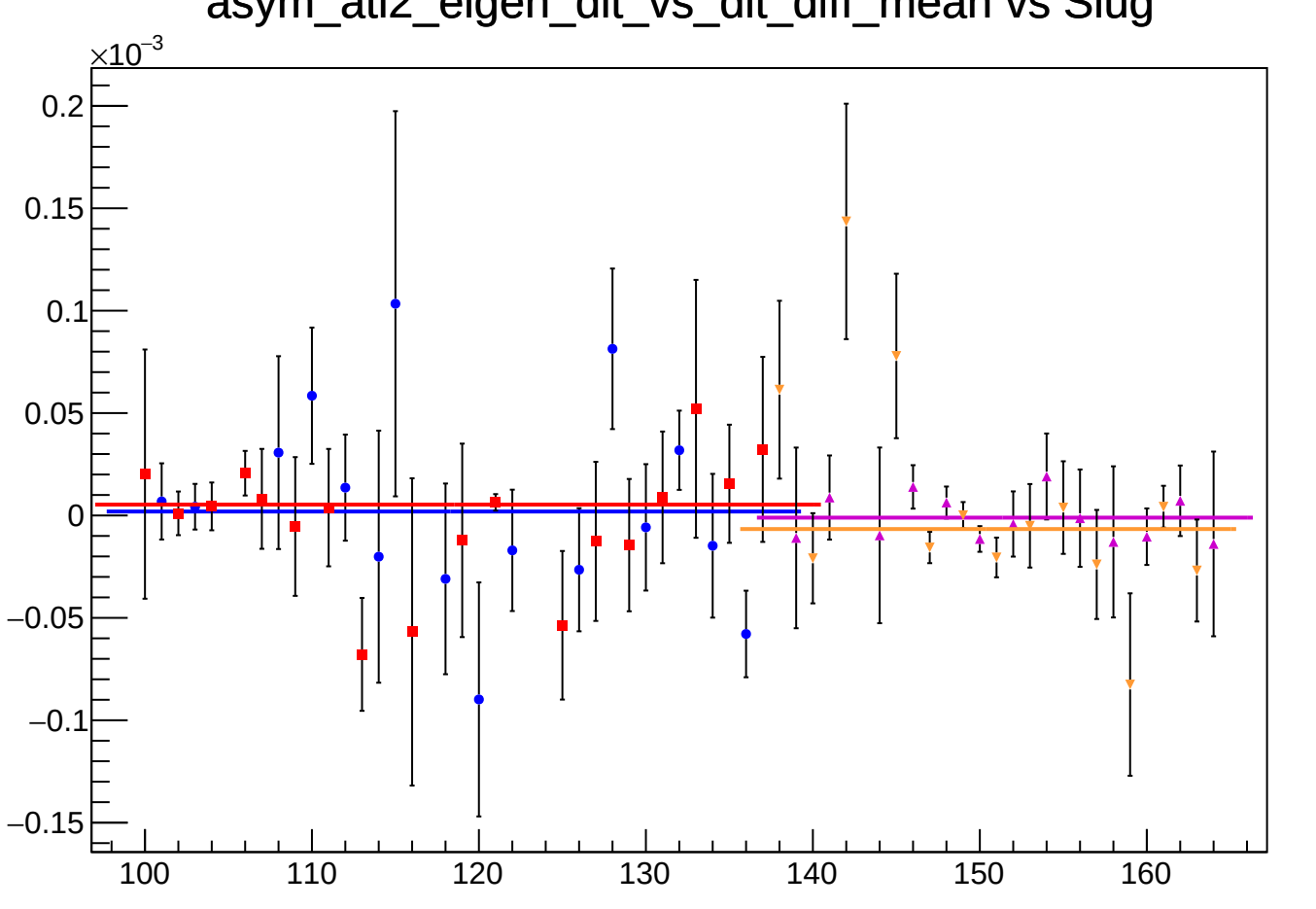
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

+ sign 307.898+/-0.061 χ^2/NDF: 8724977.0/28

All: 300.286+/-0.042 χ^2/NDF: 18108486.6/59

- 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:24.0/12

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

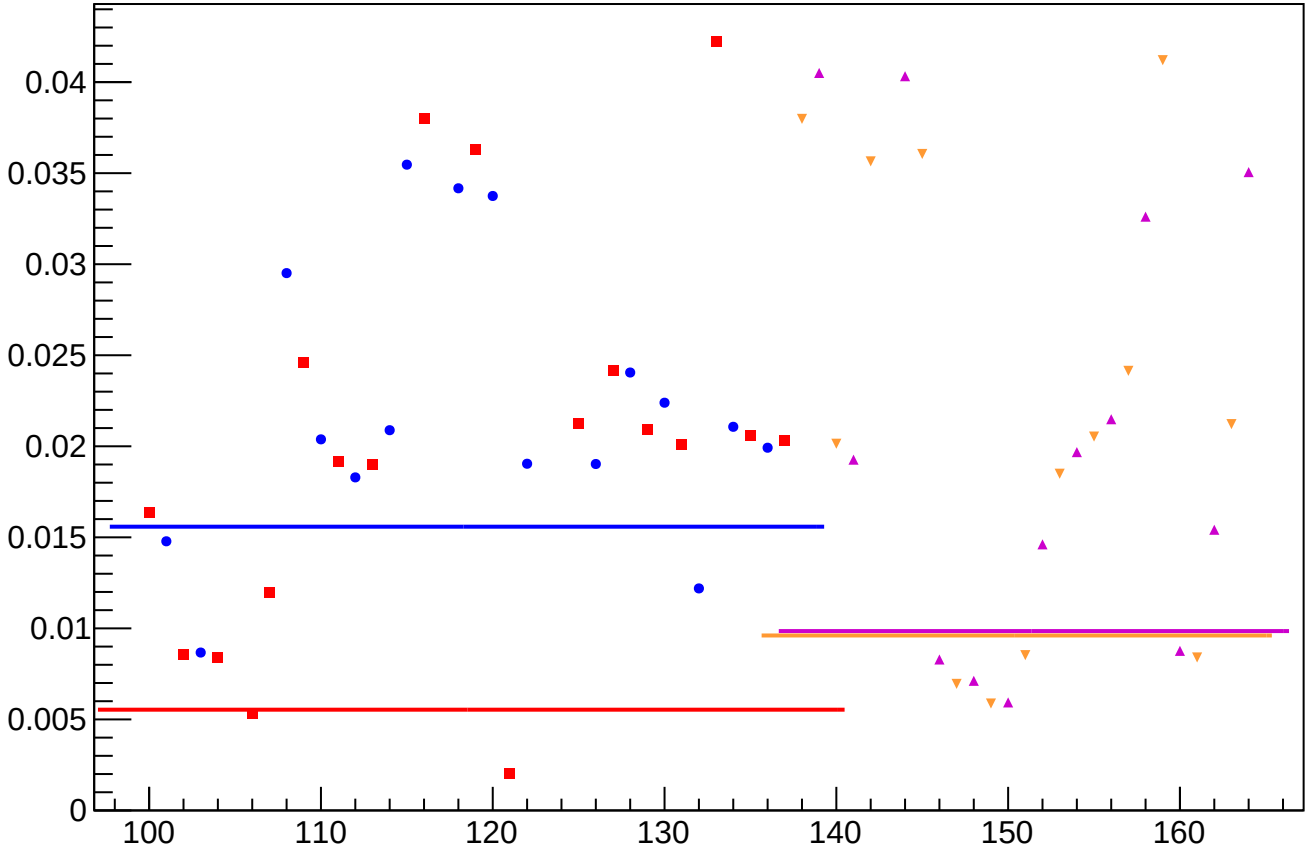
Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.4/28

All: 0.000+/-0.000 χ^2/NDF: 76.5/59

- sign 0.000+/-0.000 χ^2/NDF: 24.0/30

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:6442240.3/12

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

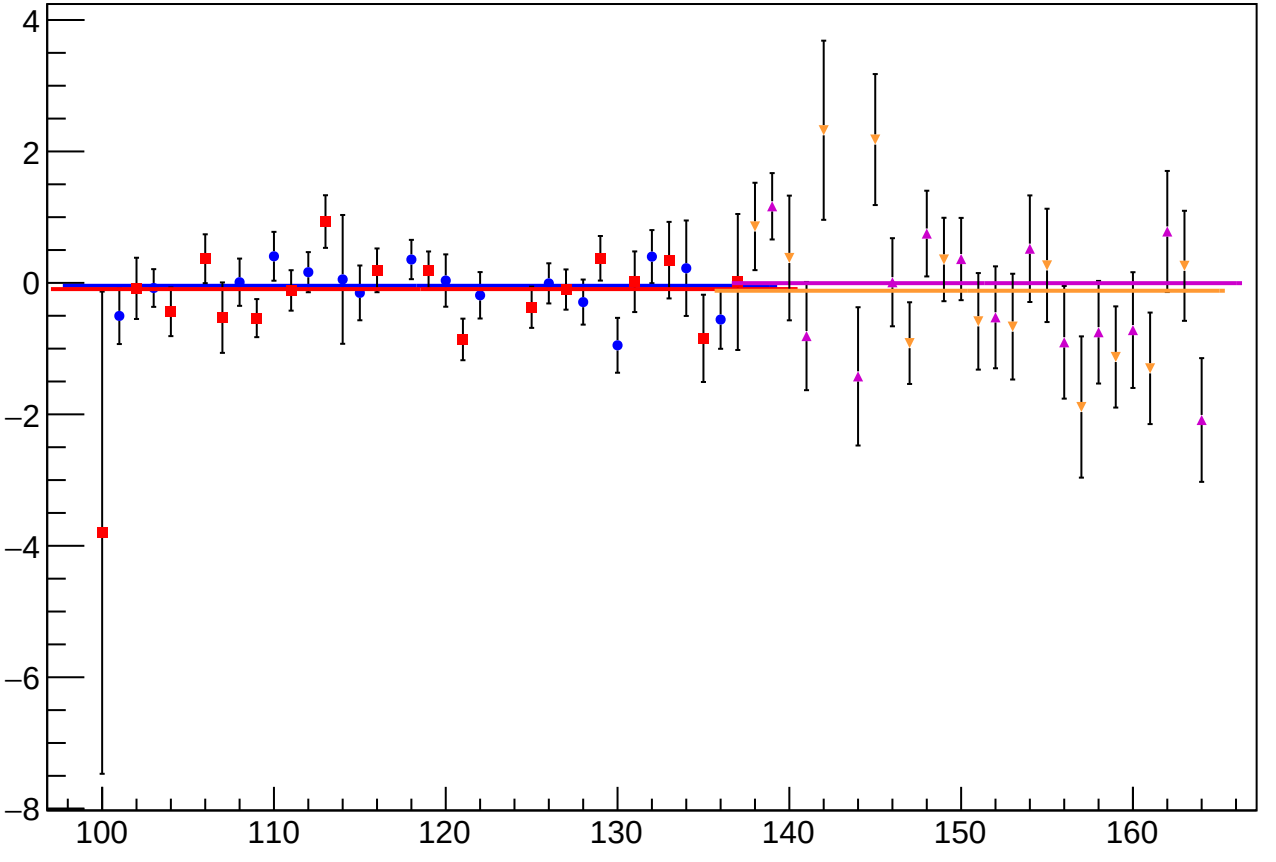
Left In: 0.010+/-0.000 χ^2/NDF:6168358.5/12

+ sign 0.011+/-0.000 χ^2/NDF: 9830111.9/28

All: 0.009+/-0.000 χ^2/NDF: 27242107.2/59

- 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: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

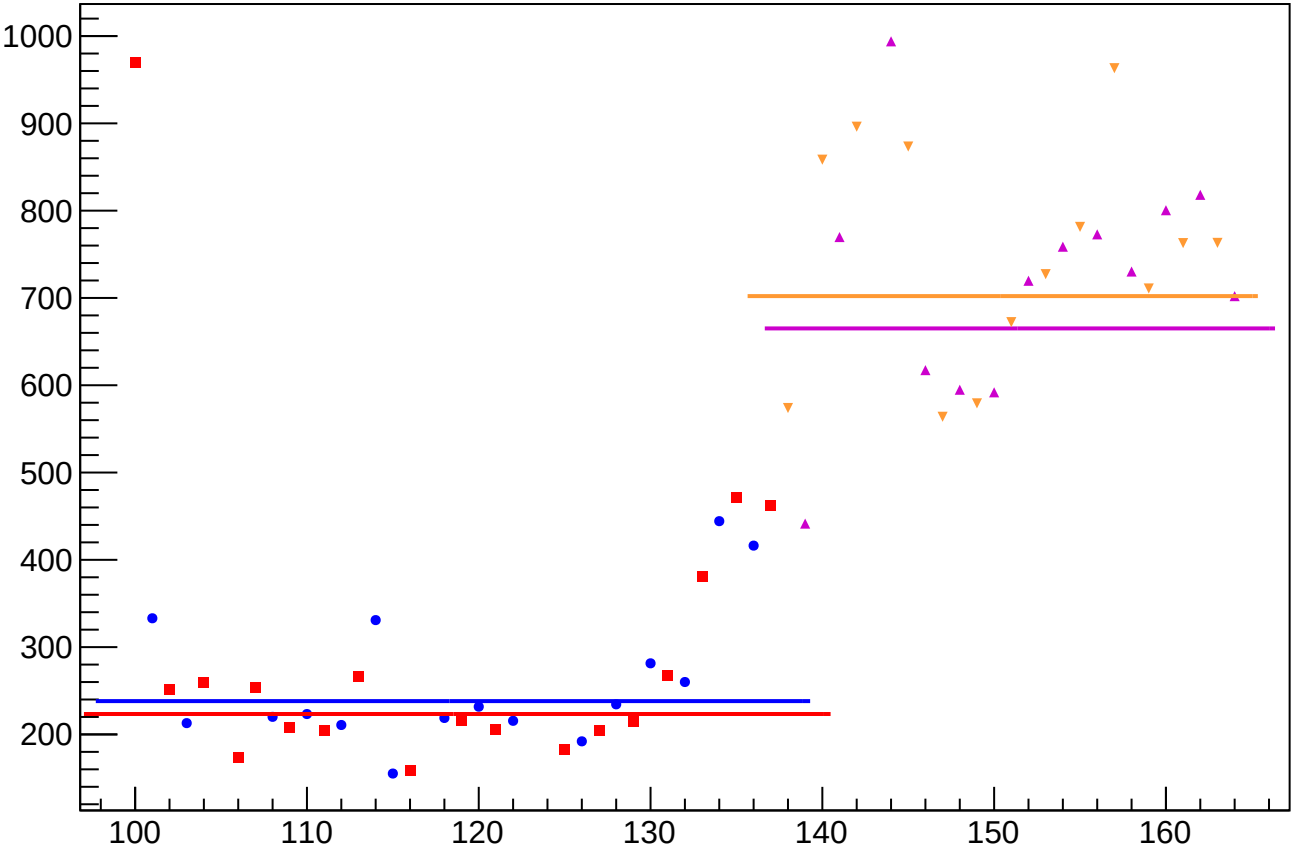
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.068+/-0.060 χ^2/NDF: 78.5/59

- 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: 702.115+/-0.158 χ^2/NDF:563565.6/12

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

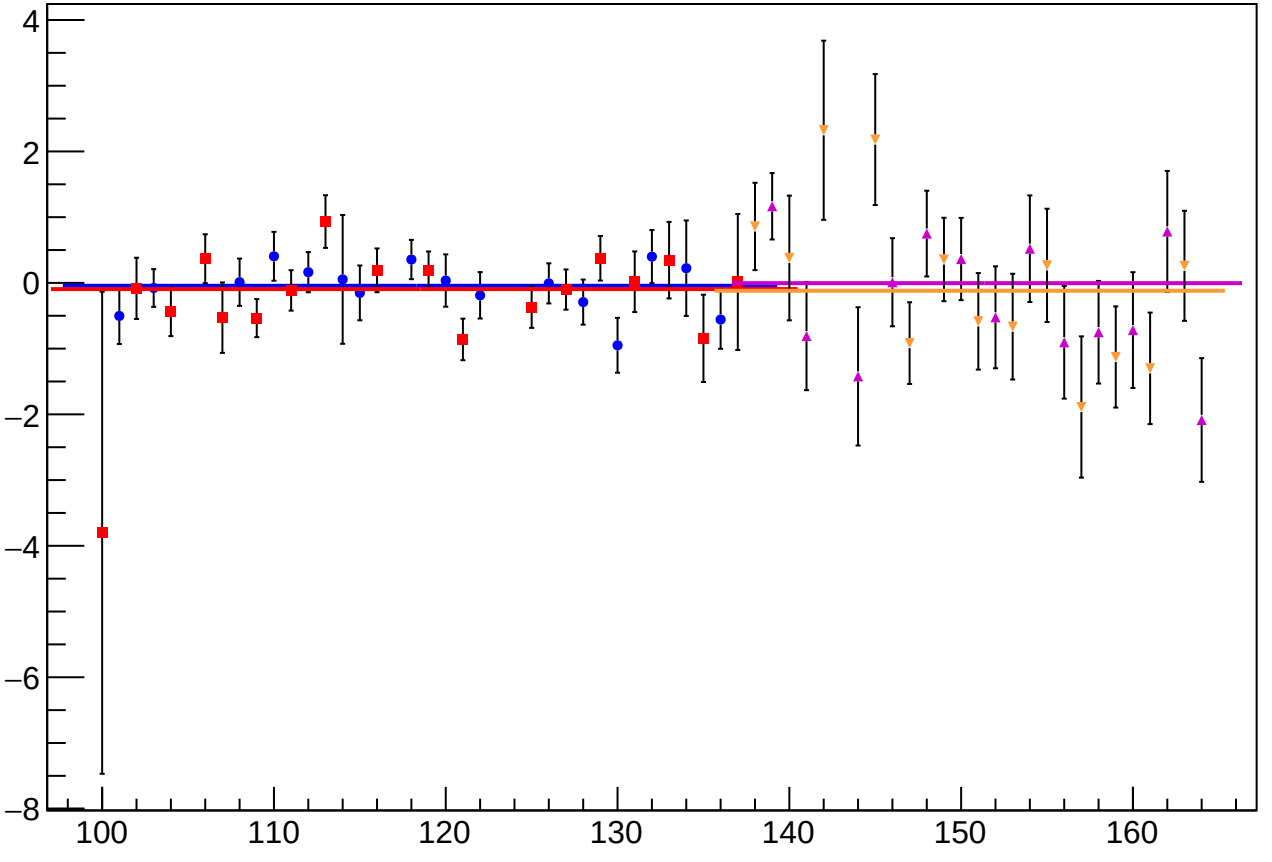
Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

+ sign 307.899+/-0.061 χ^2/NDF: 8725055.5/28

All: 300.287+/-0.042 χ^2/NDF: 18108591.0/59

- sign 293.341+/-0.058 χ^2/NDF: 9353893.0/30

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

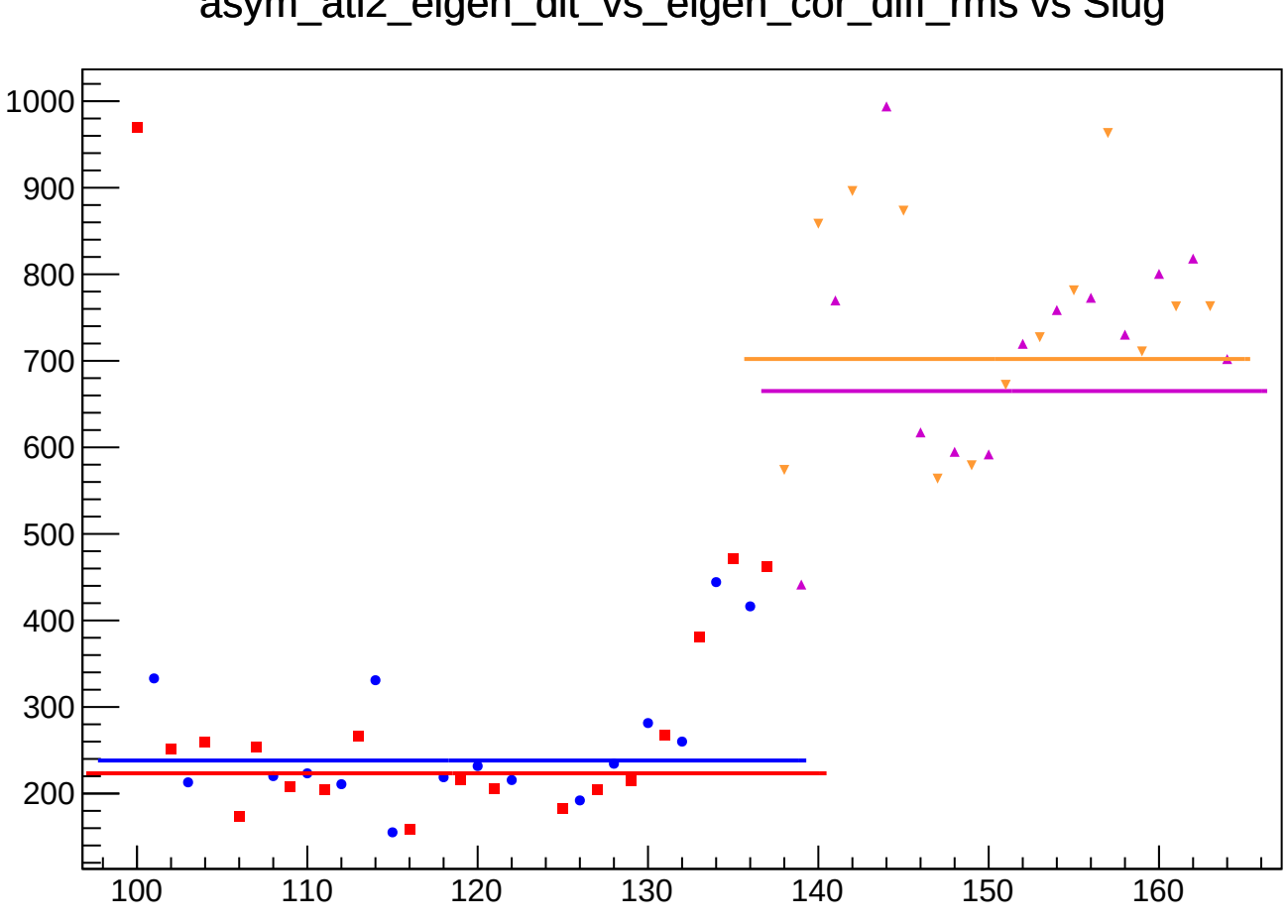
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

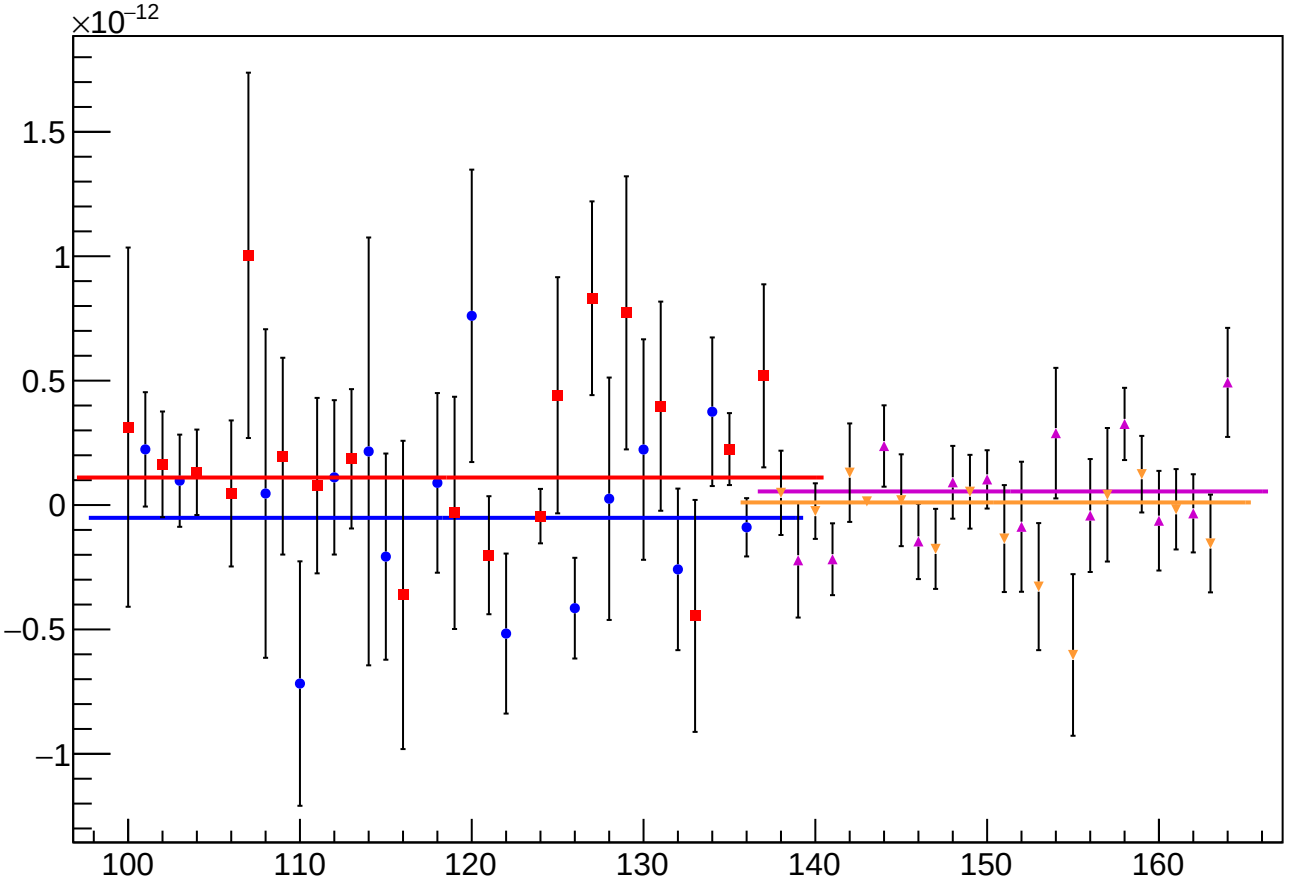
+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.068+/-0.060 χ^2/NDF: 78.5/59

- sign -0.080+/-0.083 χ^2/NDF: 44.4/30


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 702.115+/-0.158 χ²/NDF:563565.6/12
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 665.090+/-0.147 χ²/NDF:868325.5/12
+ sign 307.899+/-0.061 χ²/NDF: 8725055.5/28
All: 300.287+/-0.042 χ²/NDF: 18108591.0/59
- sign 293.341+/-0.058 χ²/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:9.1/13

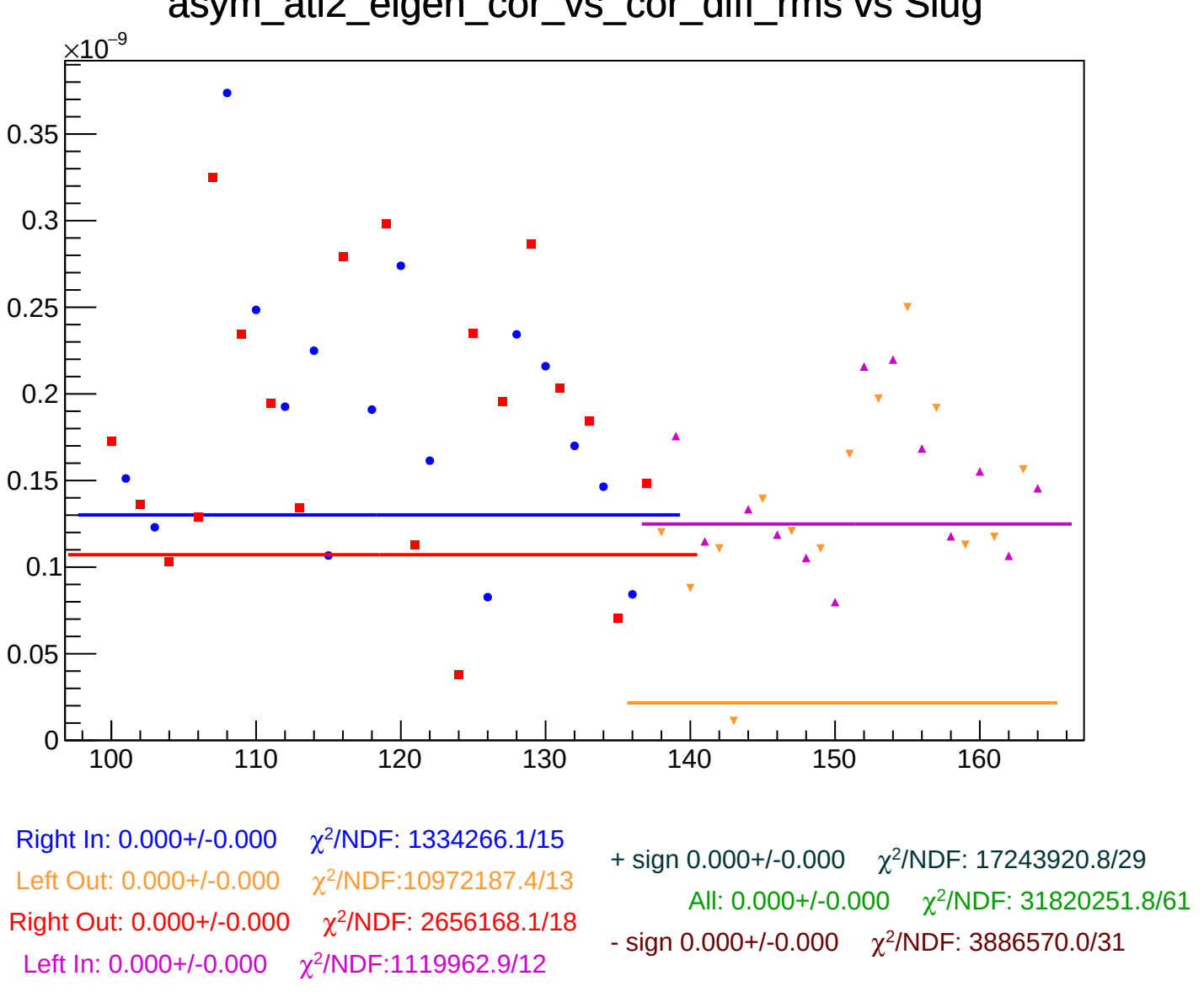
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/12

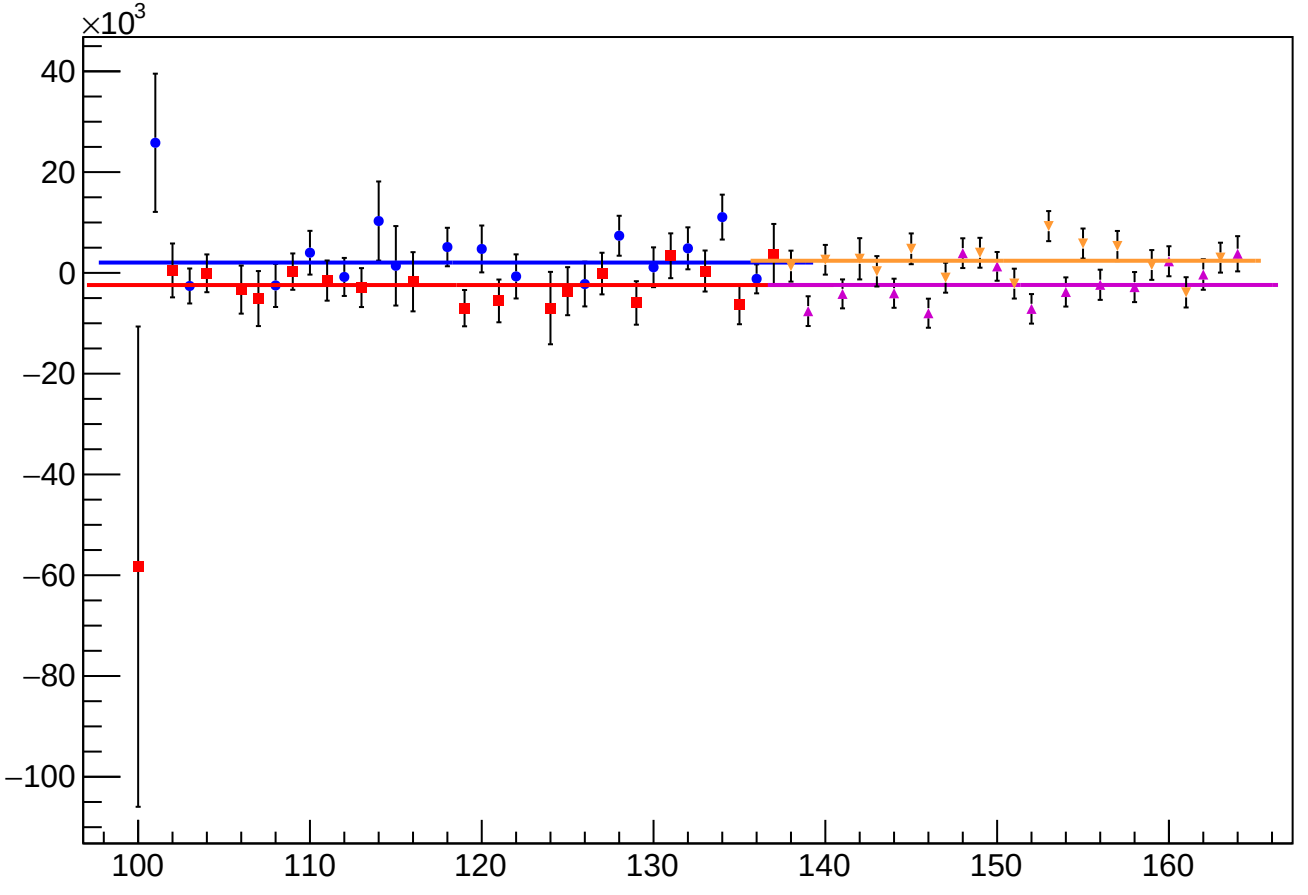
+ sign 0.000+/-0.000 χ^2/NDF: 24.7/29

All: 0.000+/-0.000 χ^2/NDF: 61.3/61

- 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:10972187.4/13
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: 17243920.8/29
All: 0.000+/-0.000 χ²/NDF: 31820251.8/61
- 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: 2407.725+/-812.839 χ^2/NDF:17.2/13

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

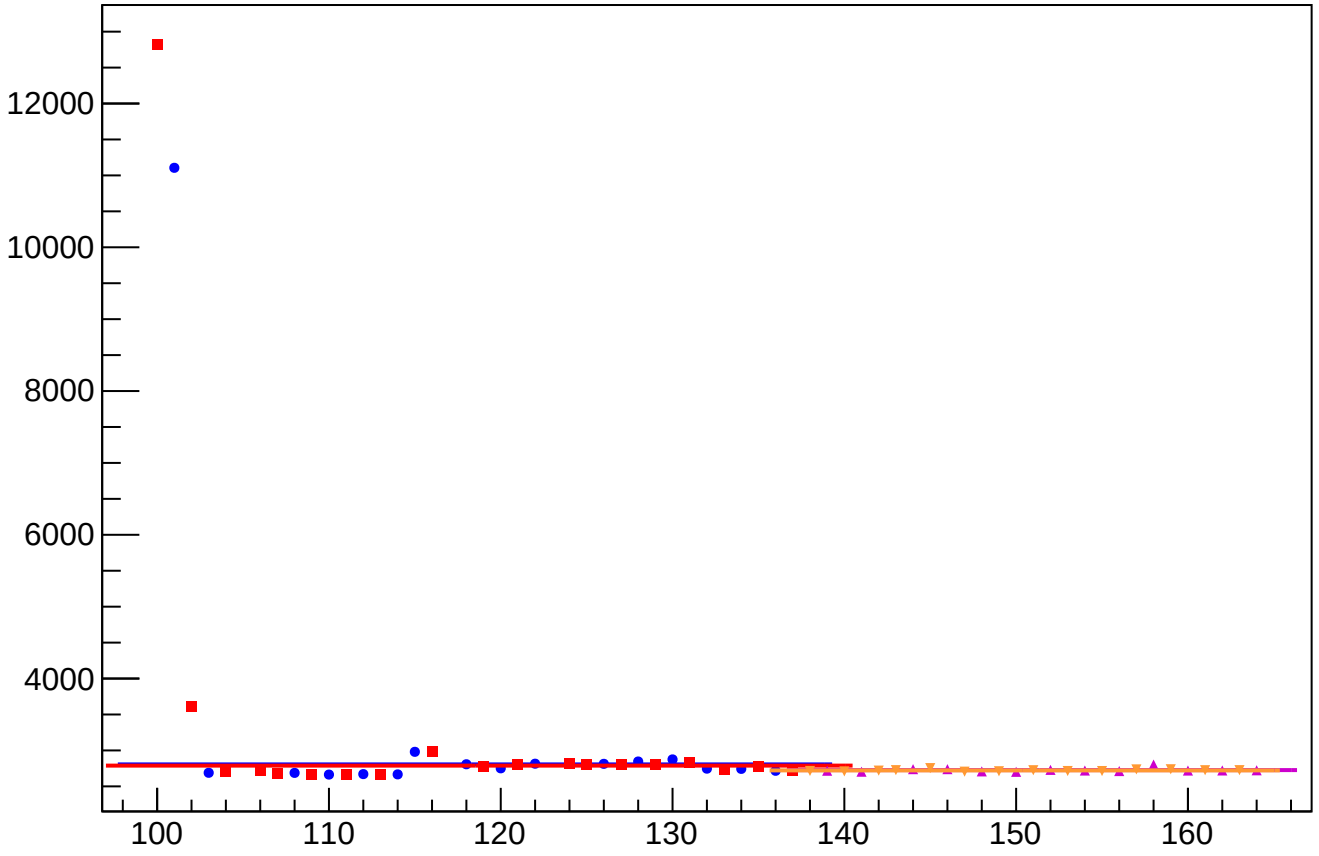
Left In: -2396.925+/-823.141 χ^2/NDF:22.8/12

+ sign 2276.702+/-647.345 χ^2/NDF: 35.0/29

All: -73.847+/-456.680 χ^2/NDF: 94.8/61

- 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: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

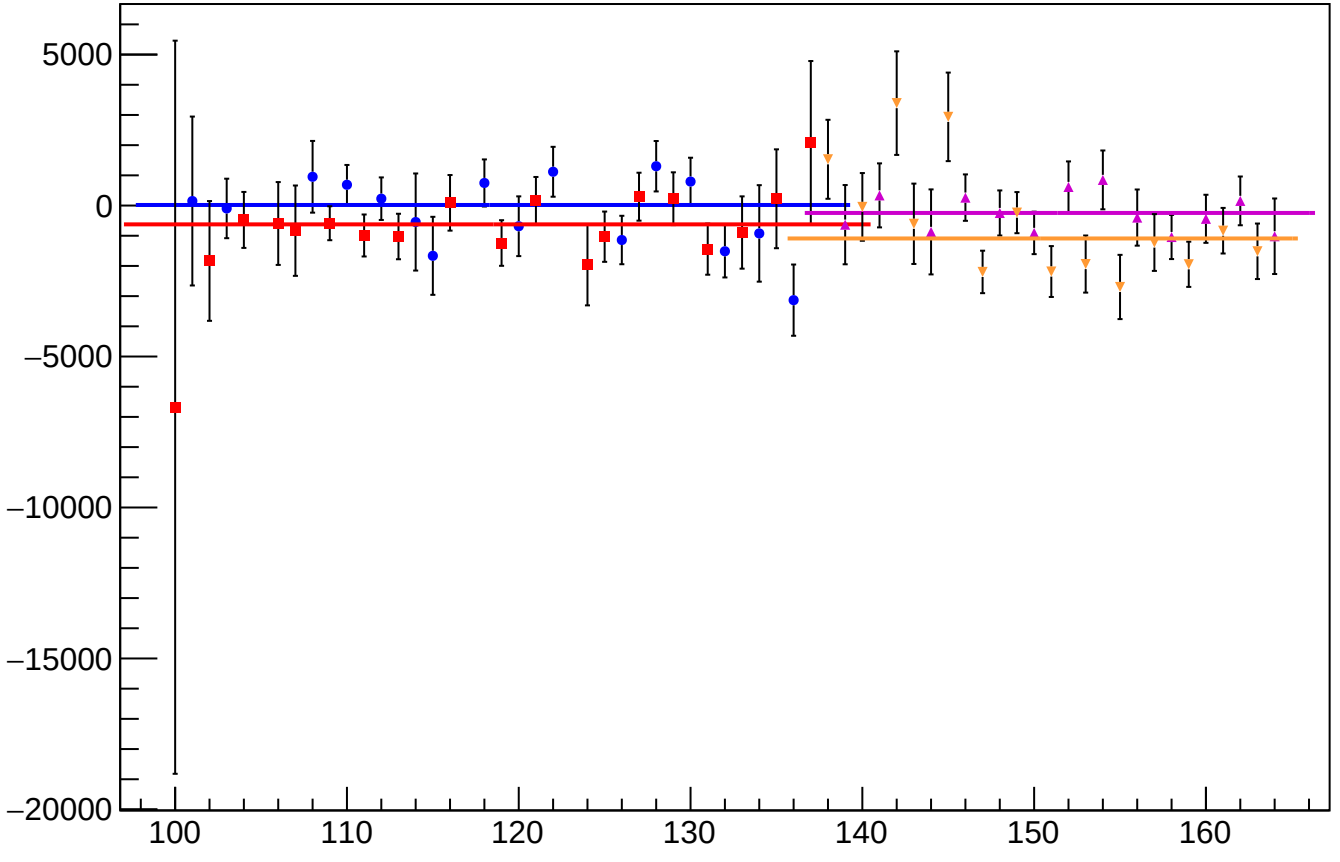
Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

+ sign 2752.674+/-0.458 χ^2/NDF: 754423.0/29

All: 2751.616+/-0.323 χ^2/NDF: 907724.6/61

- 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: -1090.137+/-248.516 χ^2/NDF:29.9/13

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

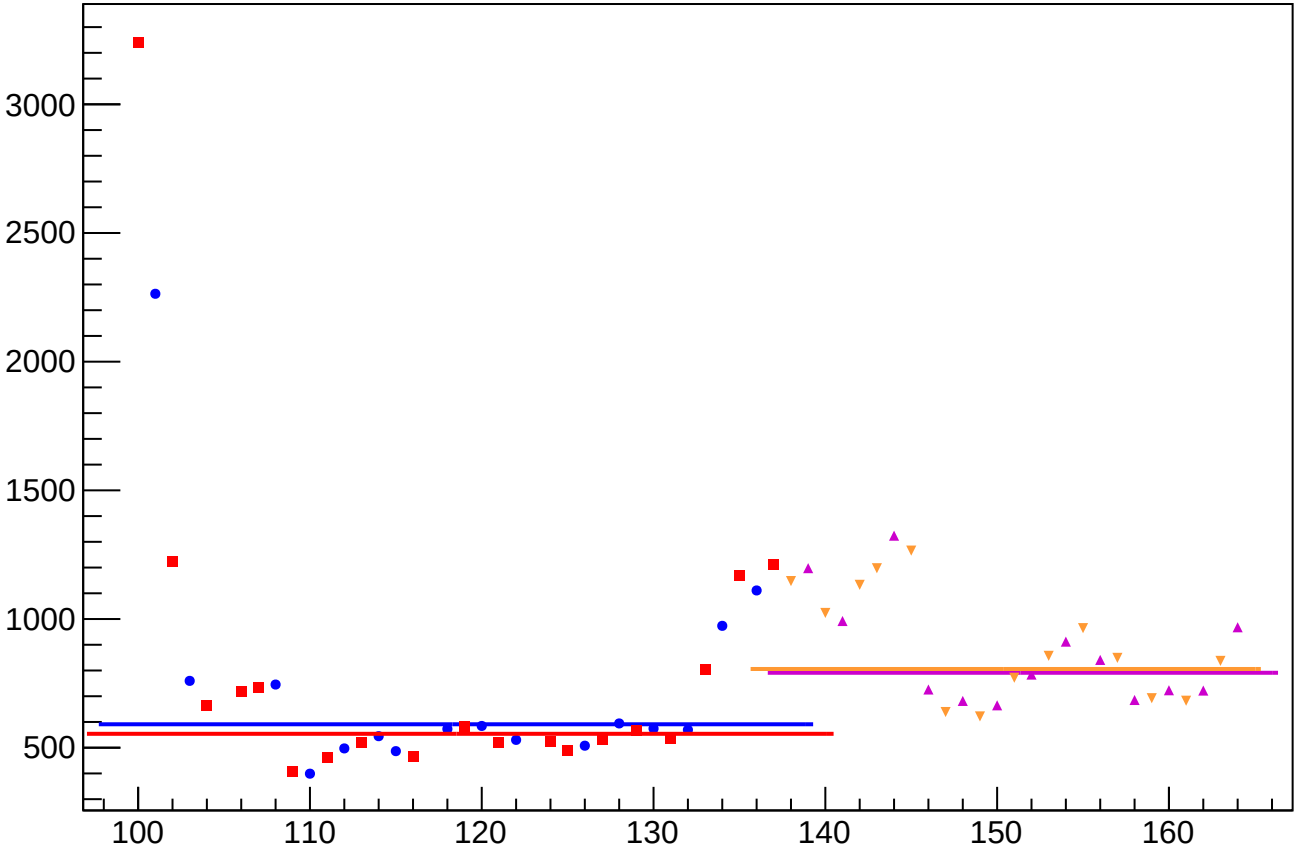
Left In: -244.879+/-244.581 χ^2/NDF:6.1/12

+ sign -501.020+/-170.164 χ^2/NDF: 63.2/29

All: -478.132+/-117.286 χ^2/NDF: 80.0/61

- 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: 805.875+/-0.176 χ^2/NDF:1073713.7/13

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

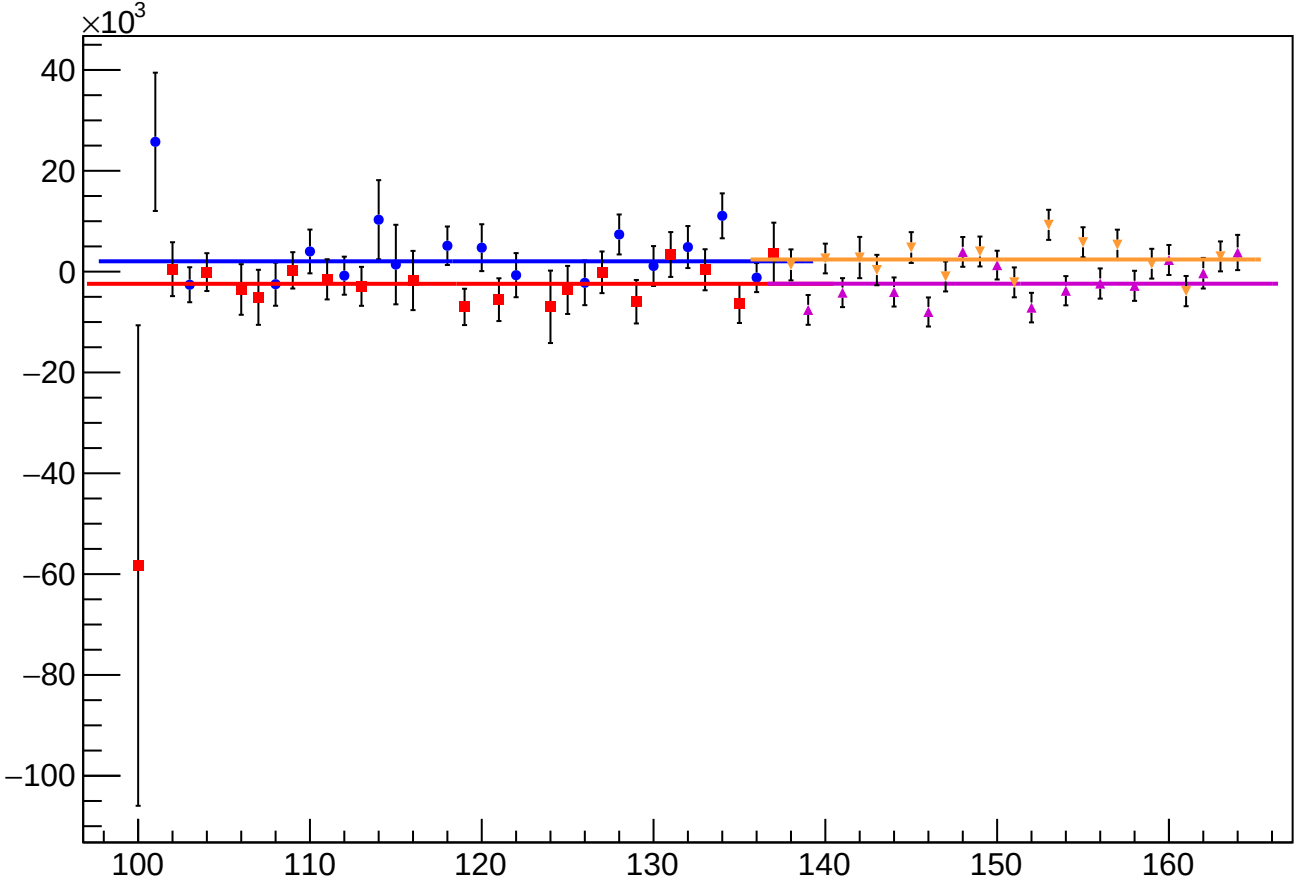
Left In: 791.146+/-0.173 χ^2/NDF:819959.2/12

+ sign 691.764+/-0.120 χ^2/NDF: 3435248.9/29

All: 673.975+/-0.083 χ^2/NDF: 6470502.1/61

- sign 657.875+/-0.114 χ^2/NDF: 2993612.4/31

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

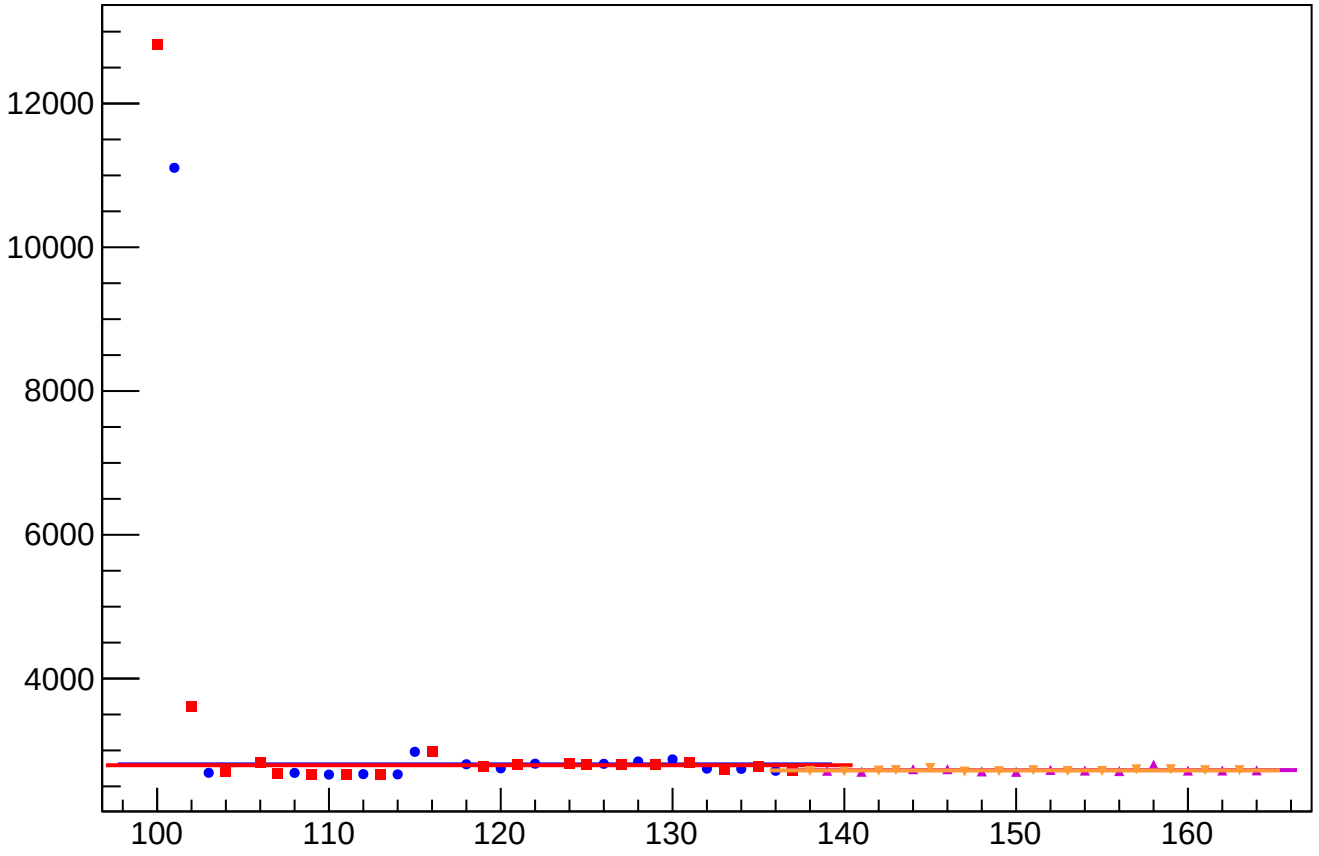
Left In: -2396.984+/-823.141 χ^2/NDF:22.8/12

+ sign 2276.441+/-647.345 χ^2/NDF: 35.0/29

All: -73.079+/-456.884 χ^2/NDF: 94.8/61

- 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: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

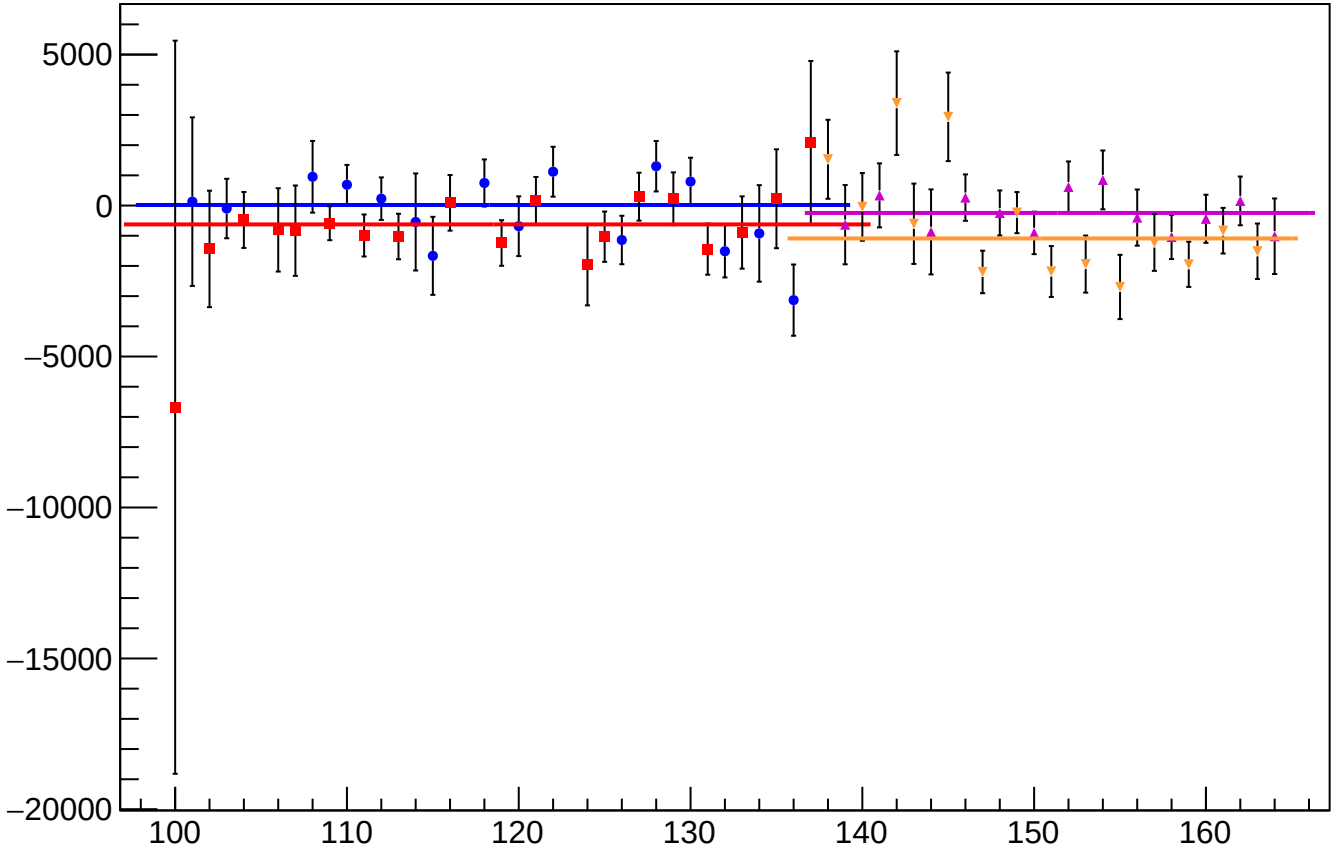
Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

+ sign 2752.674+/-0.458 χ^2/NDF: 754422.1/29

All: 2752.617+/-0.323 χ^2/NDF: 908238.4/61

- sign 2752.562+/-0.456 χ^2/NDF: 153816.3/31

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

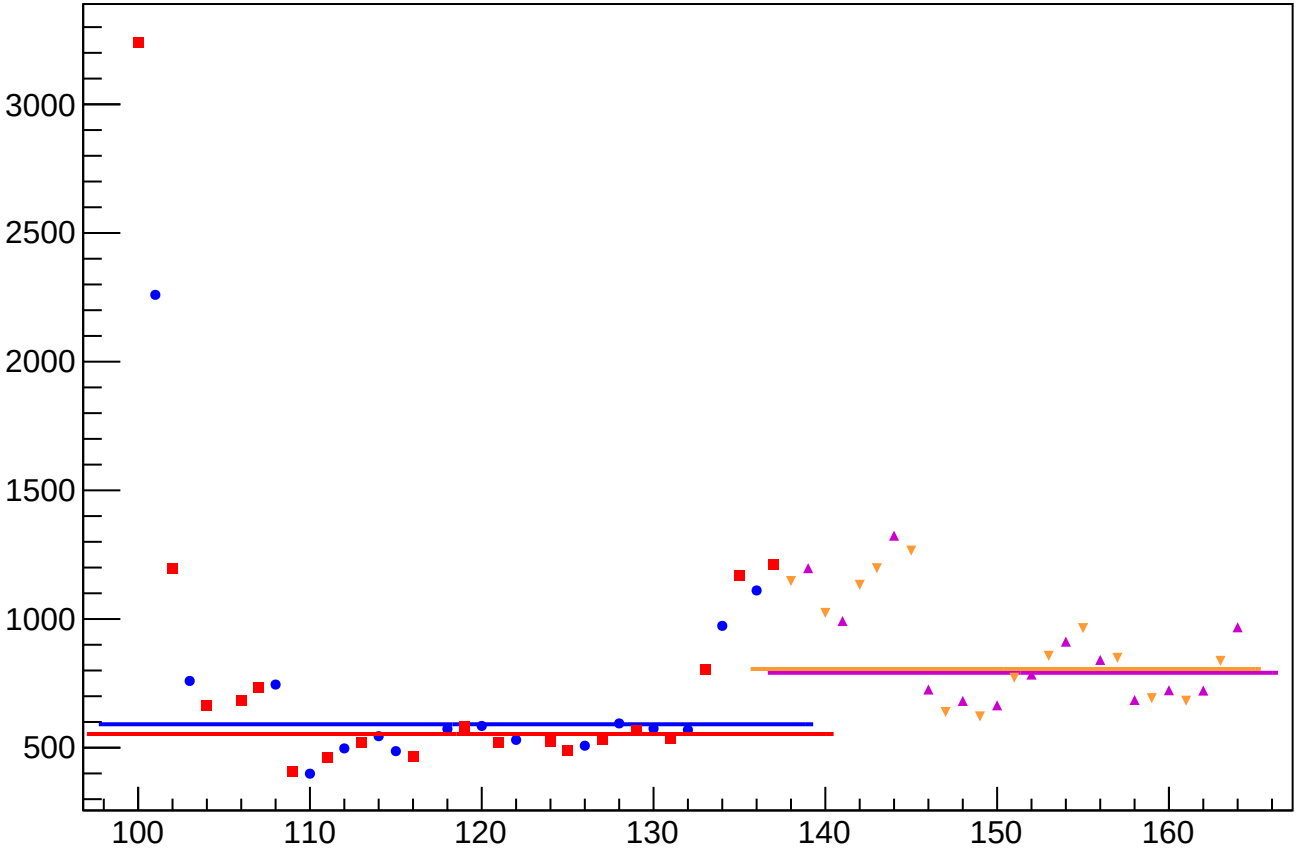
Left In: -244.999+/-244.580 χ^2/NDF:6.1/12

+ sign -500.957+/-170.159 χ^2/NDF: 63.2/29

All: -478.476+/-117.276 χ^2/NDF: 79.8/61

- 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: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

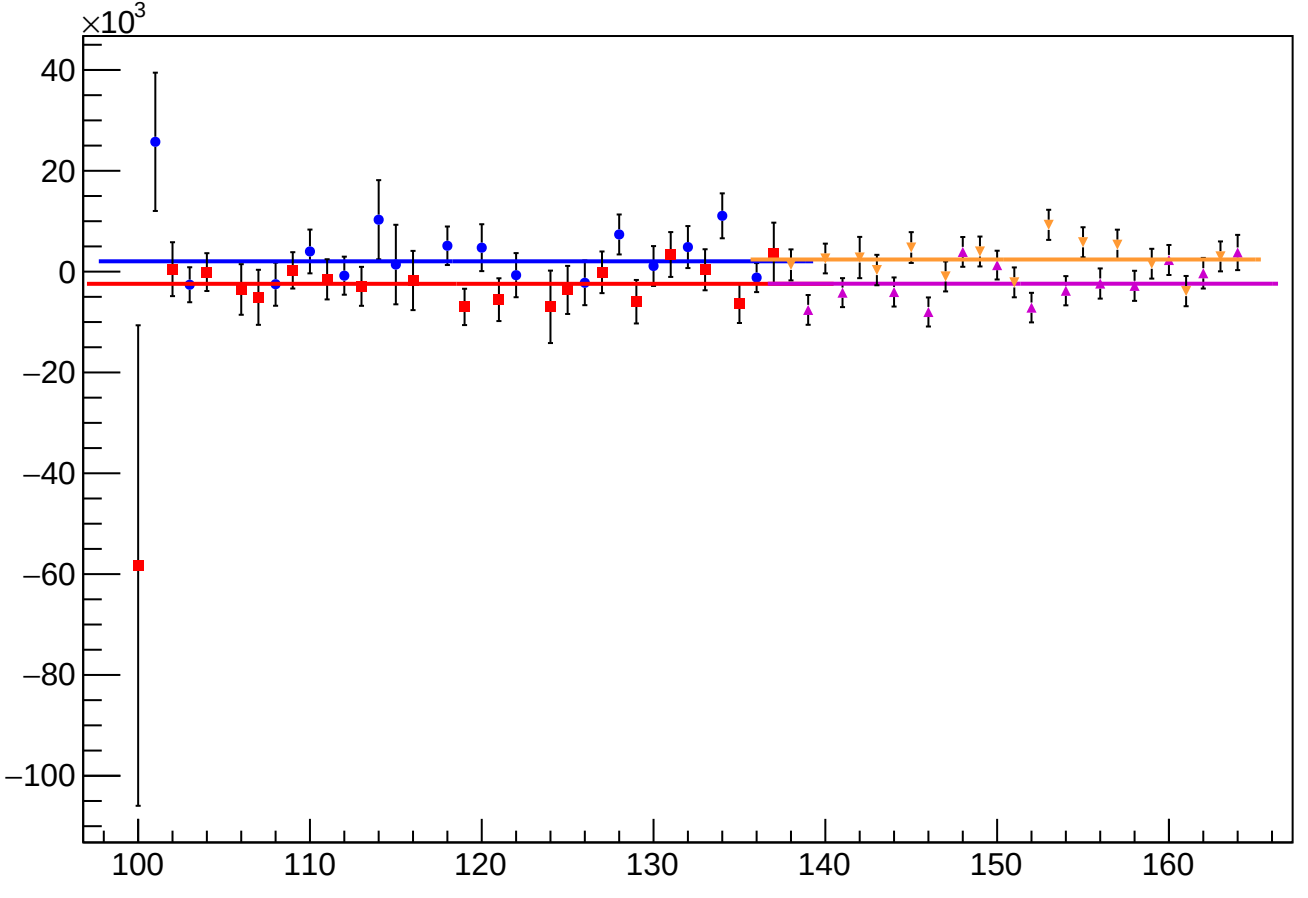
Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

+ sign 691.757+/-0.120 χ^2/NDF: 3434265.1/29

All: 673.735+/-0.083 χ^2/NDF: 6462181.4/61

- sign 657.428+/-0.114 χ^2/NDF: 2985181.1/31

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

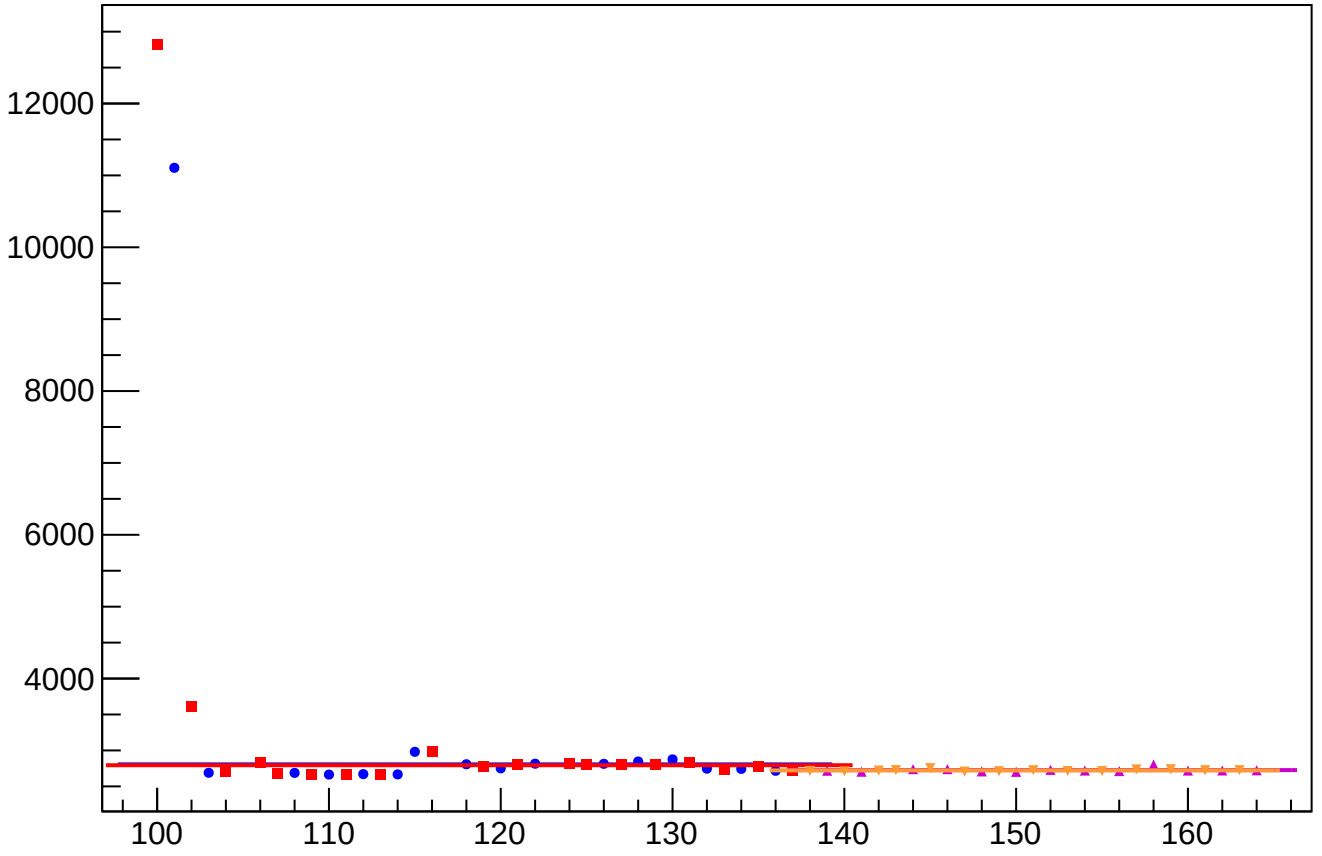
Left In: -2396.984+/-823.141 χ^2/NDF:22.8/12

+ sign 2276.441+/-647.345 χ^2/NDF: 35.0/29

All: -73.079+/-456.884 χ^2/NDF: 94.8/61

- 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: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

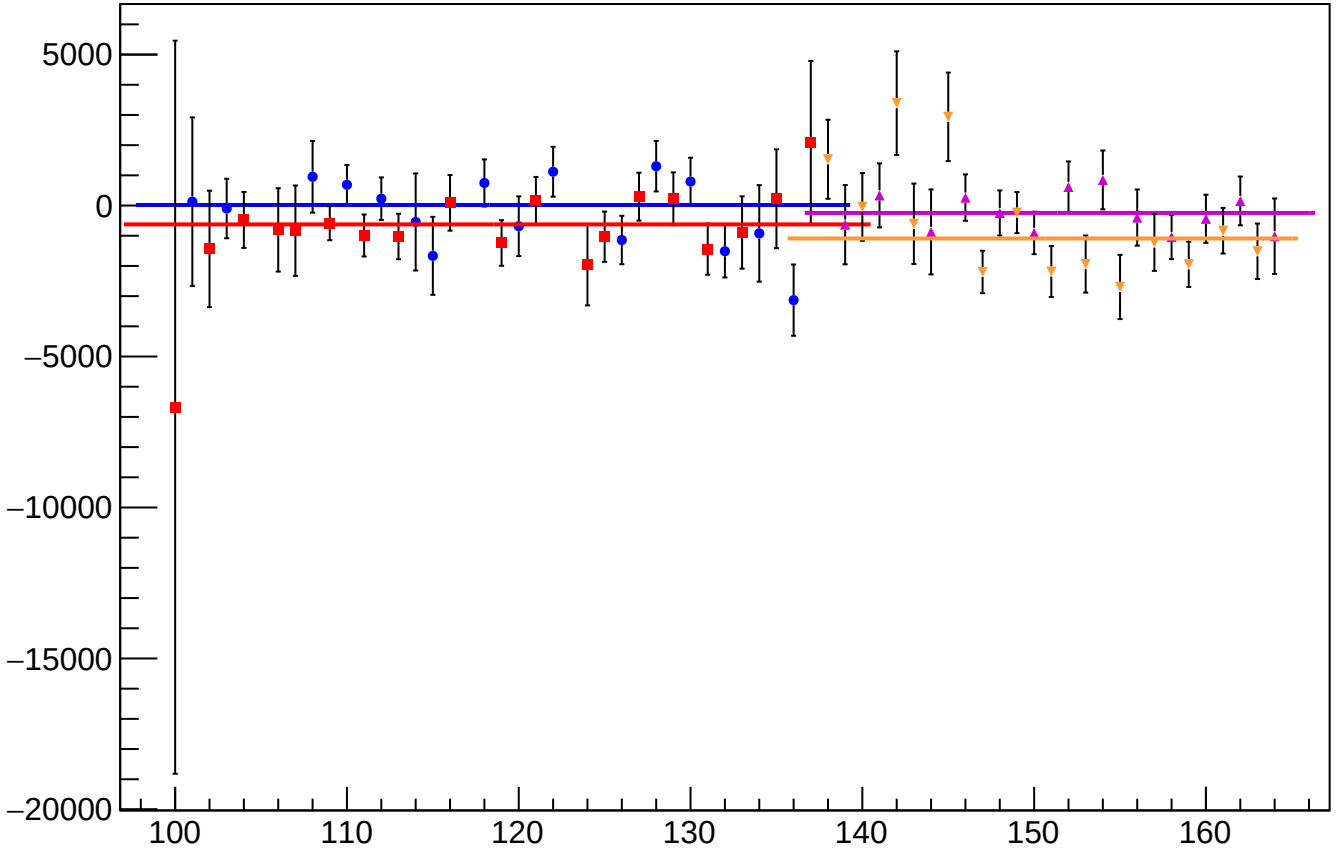
Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

\+ sign 2752.674+/-0.458 χ^2/NDF: 754422.1/29

All: 2752.617+/-0.323 χ^2/NDF: 908238.4/61

\- 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: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

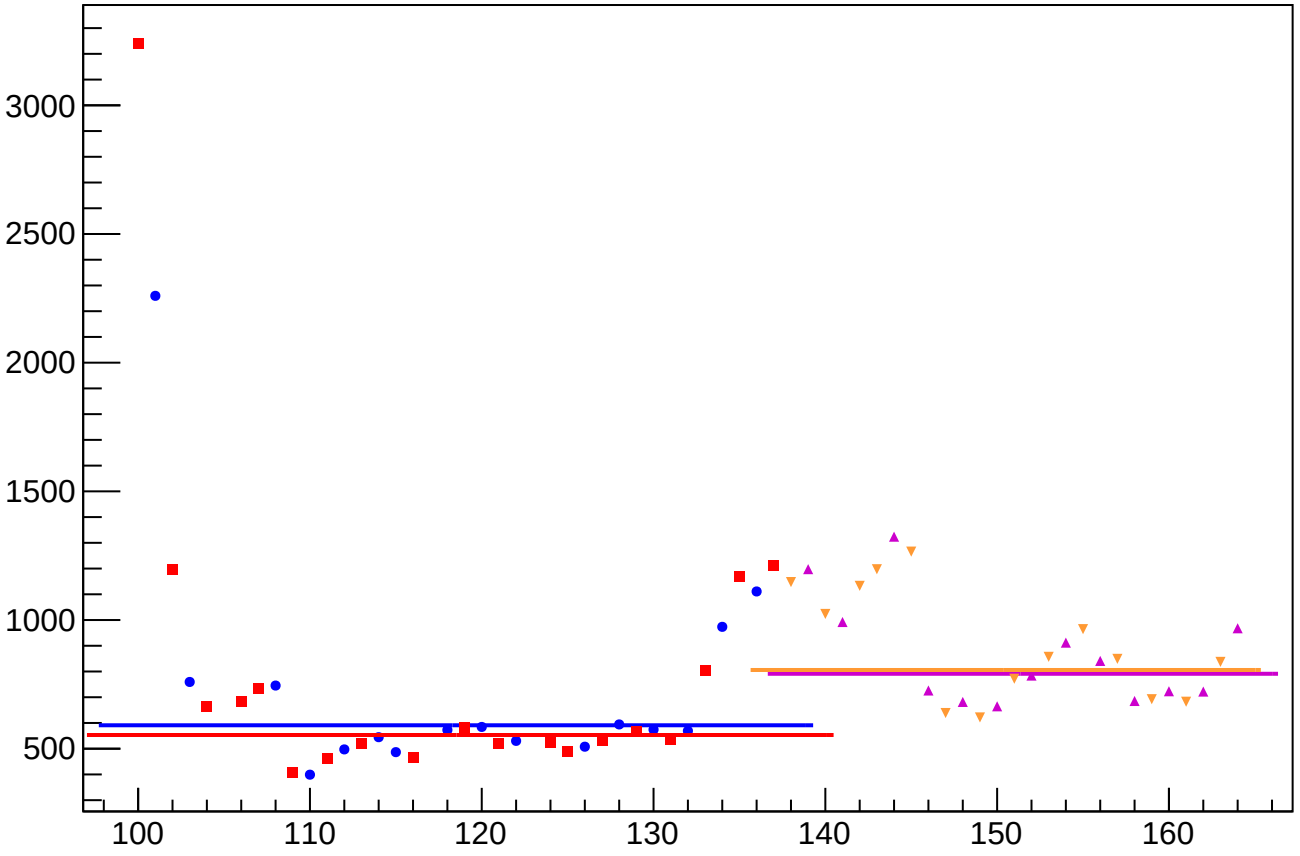
Left In: -244.999+/-244.580 χ^2/NDF:6.1/12

+ sign -500.957+/-170.159 χ^2/NDF: 63.2/29

All: -478.476+/-117.276 χ^2/NDF: 79.8/61

- 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: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

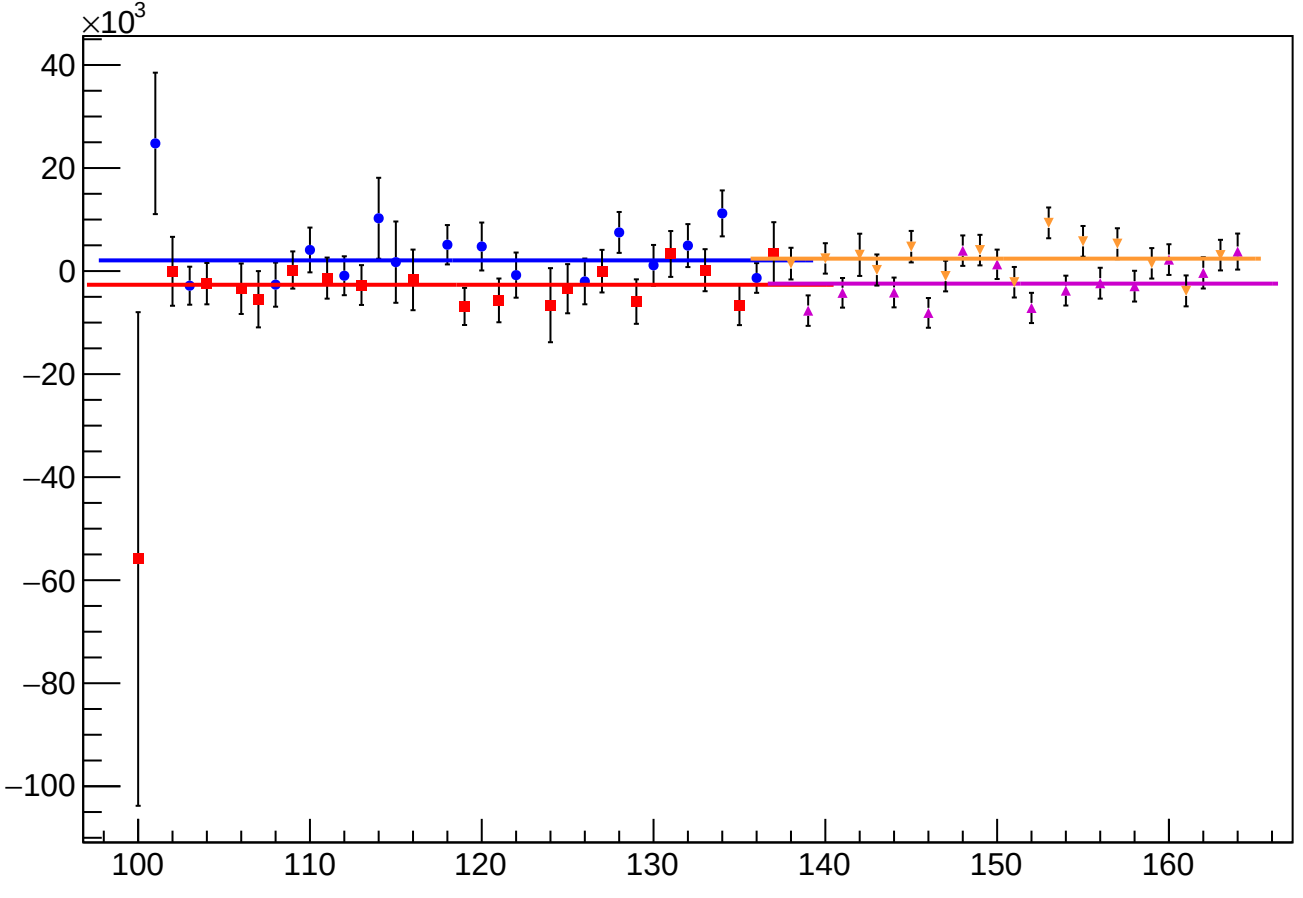
Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

+ sign 691.757+/-0.120 χ^2/NDF: 3434265.1/29

All: 673.735+/-0.083 χ^2/NDF: 6462181.4/61

- 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: 2410.520+/-813.422 χ^2/NDF:17.3/13

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

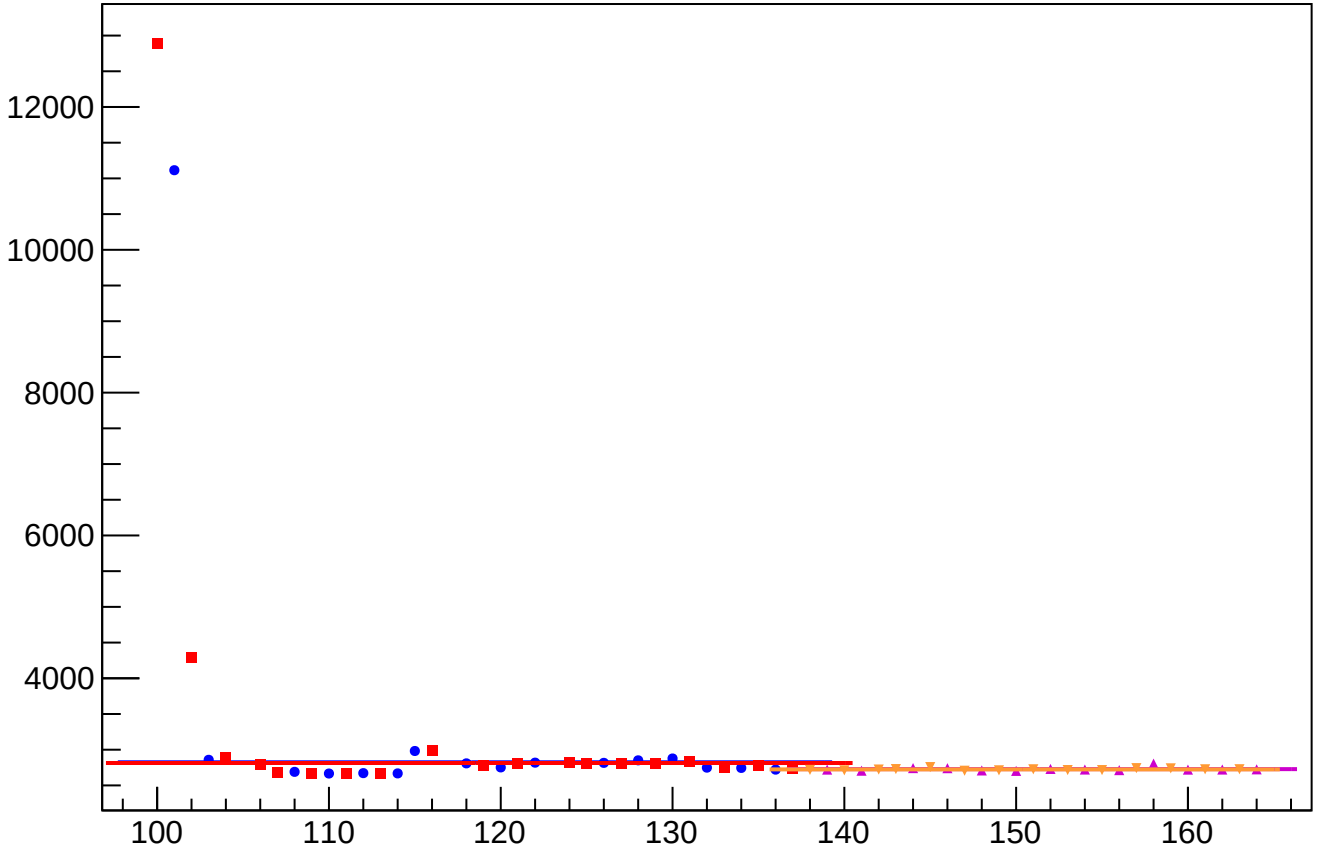
Left In: -2437.945+/-823.635 χ^2/NDF:23.1/12

+ sign 2288.590+/-649.133 χ^2/NDF: 35.3/29

All: -120.600+/-458.611 χ^2/NDF: 95.8/61

- 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: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

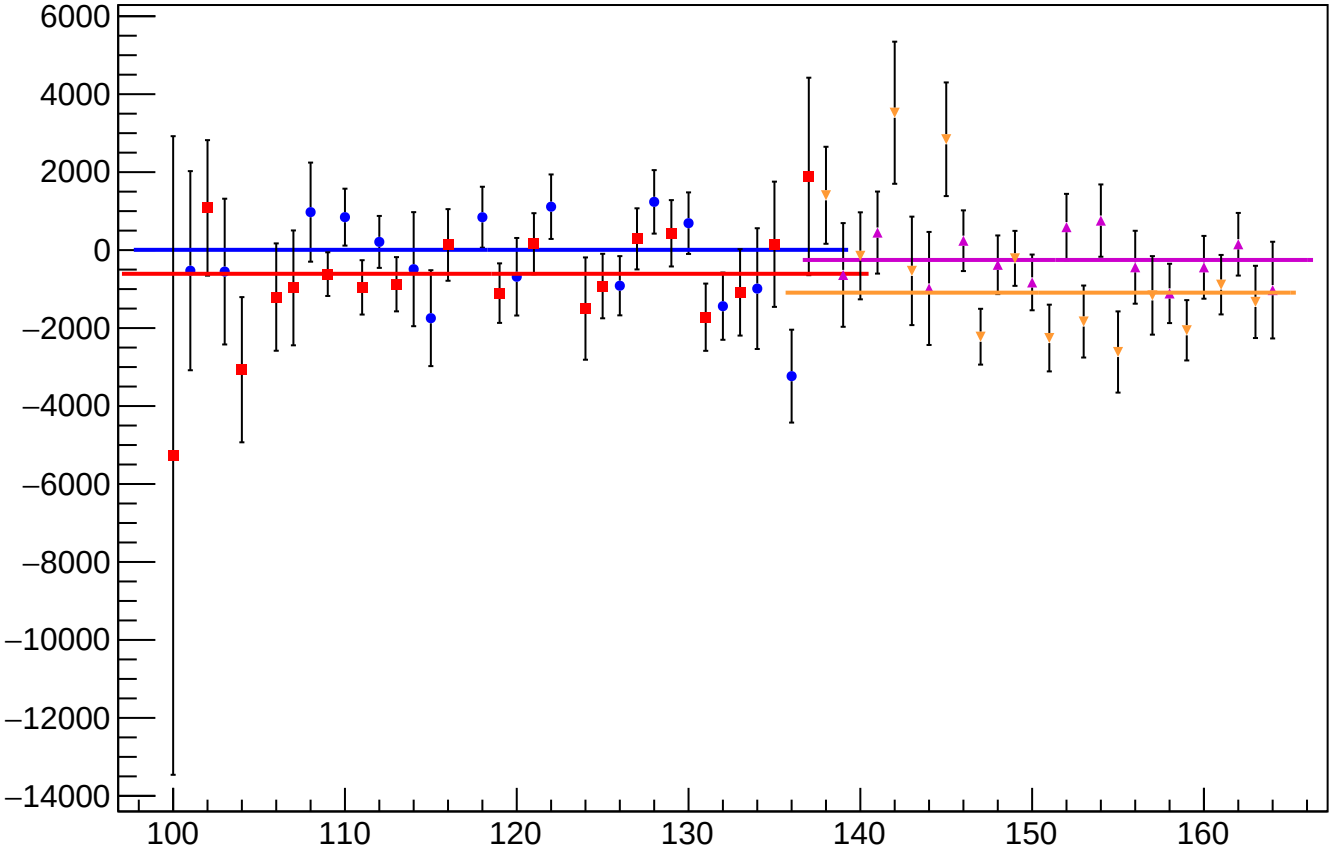
Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

+ sign 2760.233+/-0.459 χ^2/NDF: 755286.9/29

All: 2760.472+/-0.324 χ^2/NDF: 965922.5/61

- 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: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

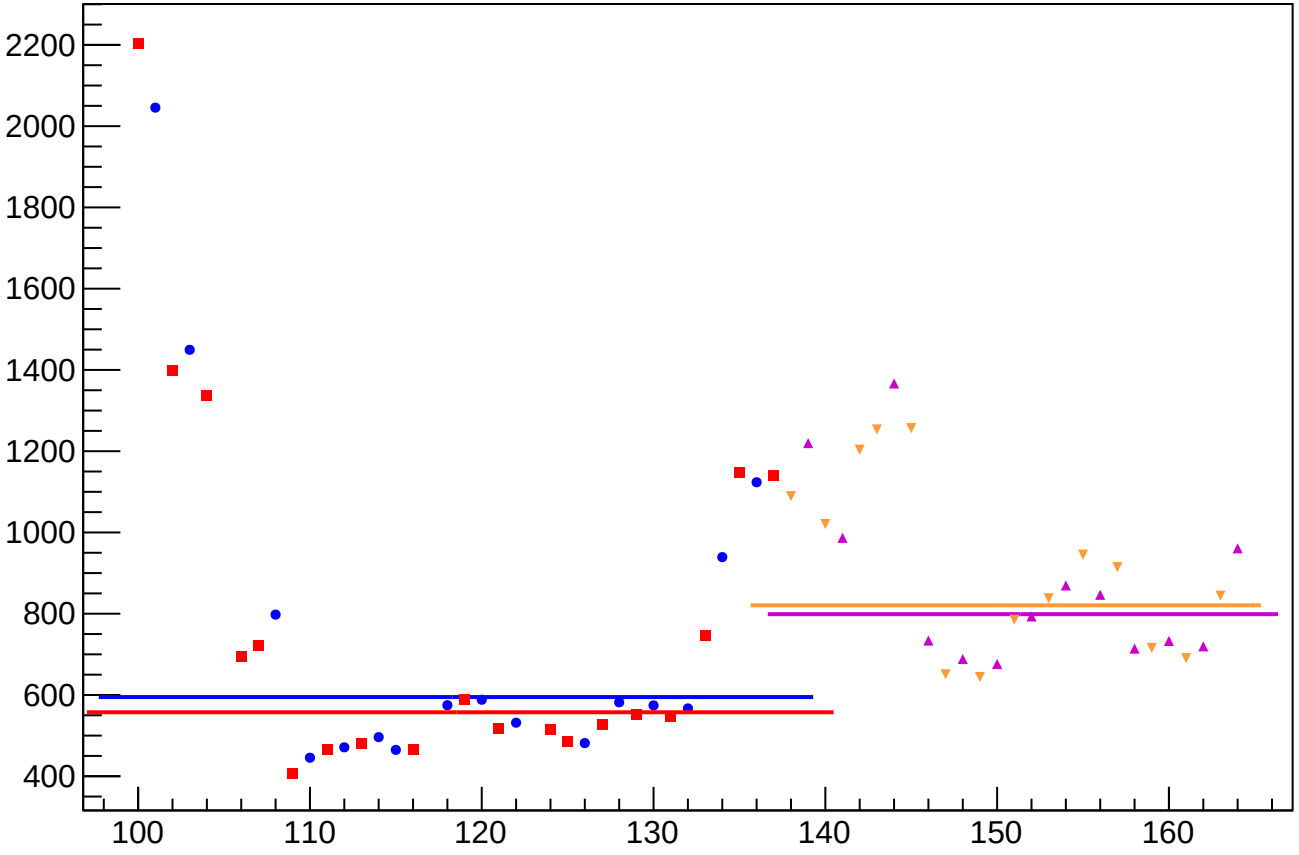
Left In: -252.560+/-246.454 χ^2/NDF:6.0/12

\+ sign -508.716+/-172.950 χ^2/NDF: 61.8/29

All: -478.930+/-118.584 χ^2/NDF: 81.2/61

\- 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: 820.747+/-0.178 χ^2/NDF:1002237.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

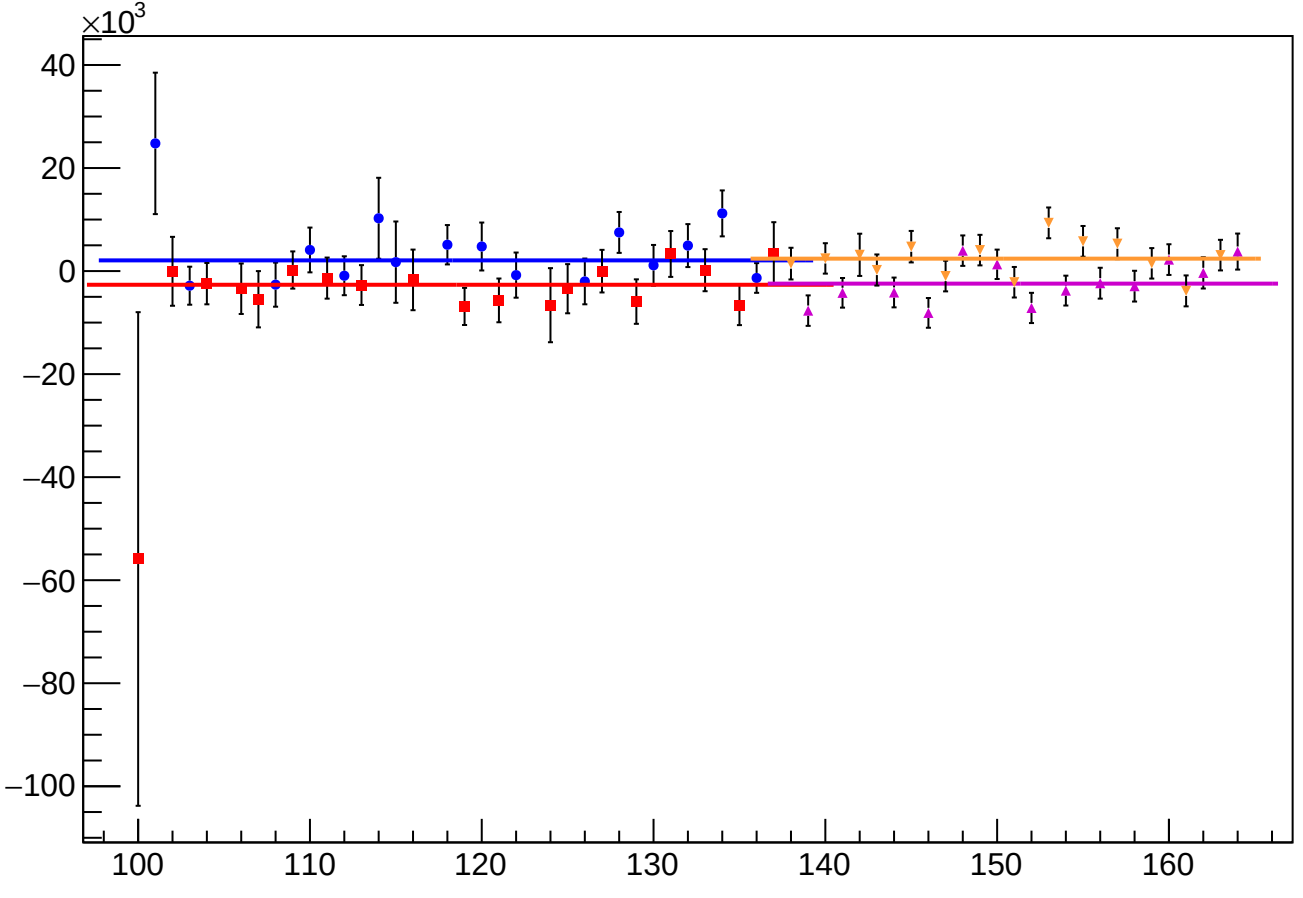
Left In: 798.898+/-0.174 χ^2/NDF:795222.6/12

+ sign 700.914+/-0.122 χ^2/NDF: 3704662.0/29

All: 680.778+/-0.084 χ^2/NDF: 7263719.4/61

- 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: 2410.521+/-813.422 χ^2/NDF:17.3/13

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

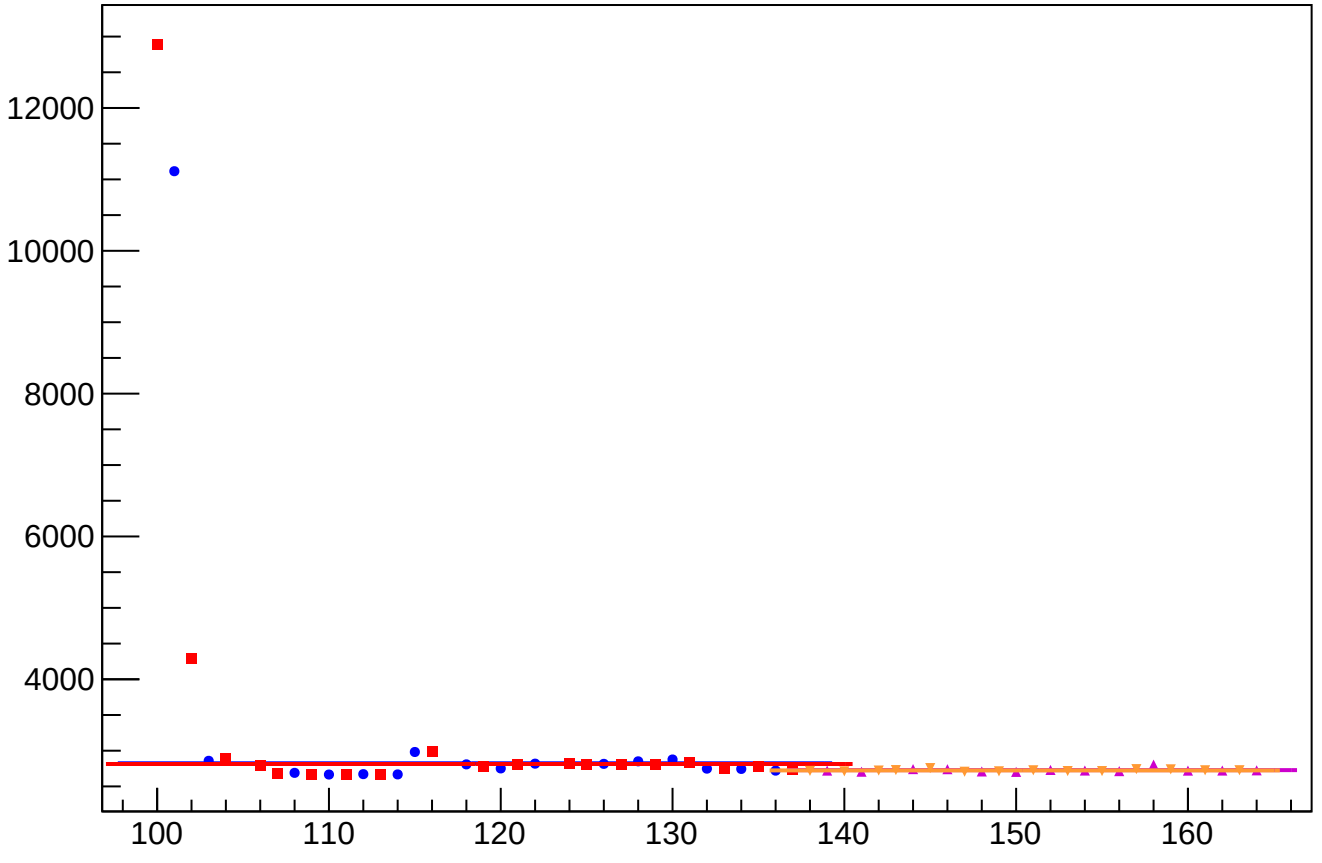
Left In: -2437.945+/-823.635 χ^2/NDF:23.1/12

+ sign 2288.591+/-649.133 χ^2/NDF: 35.3/29

All: -120.599+/-458.611 χ^2/NDF: 95.8/61

- 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: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

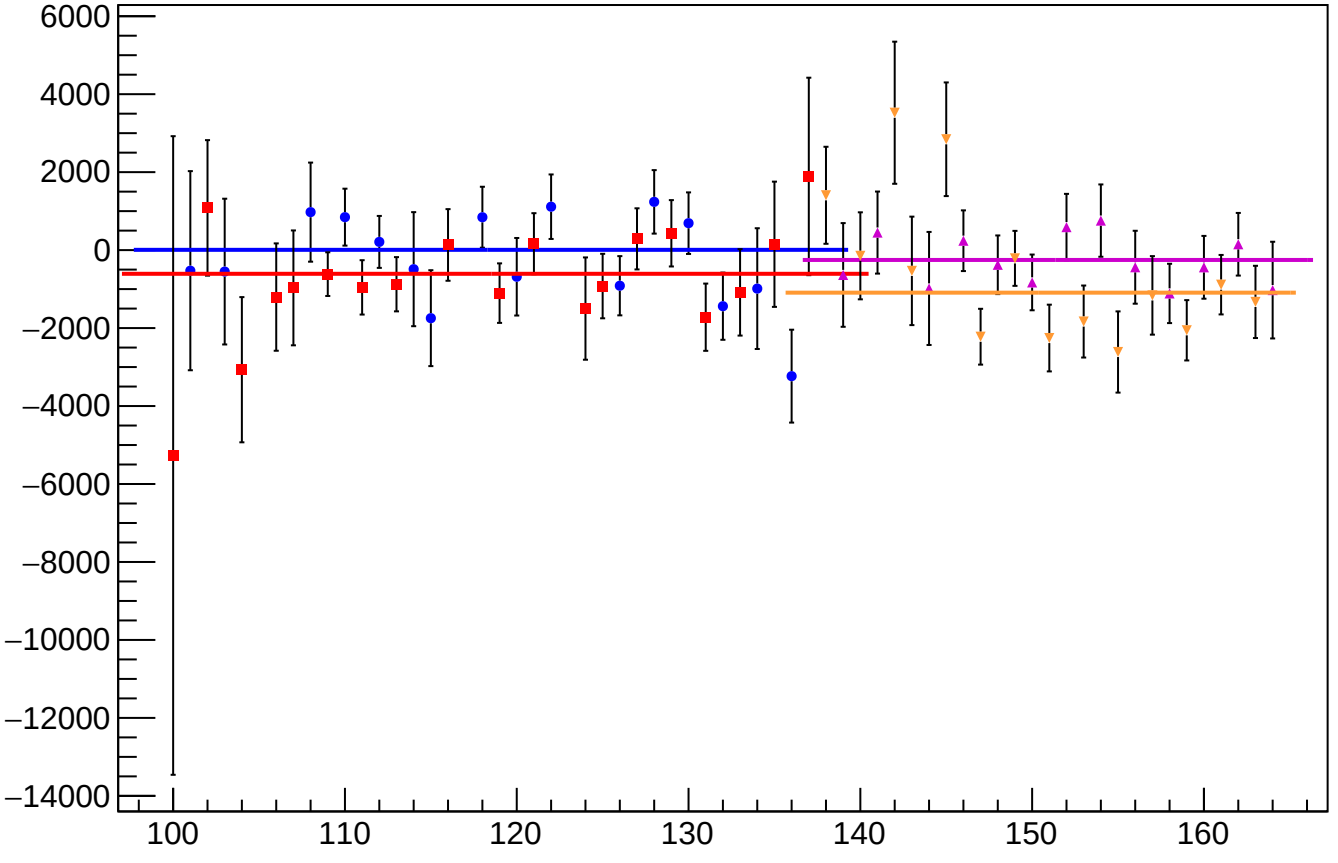
Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

+ sign 2760.233+/-0.459 χ^2/NDF: 755286.9/29

All: 2760.472+/-0.324 χ^2/NDF: 965922.2/61

- 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: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

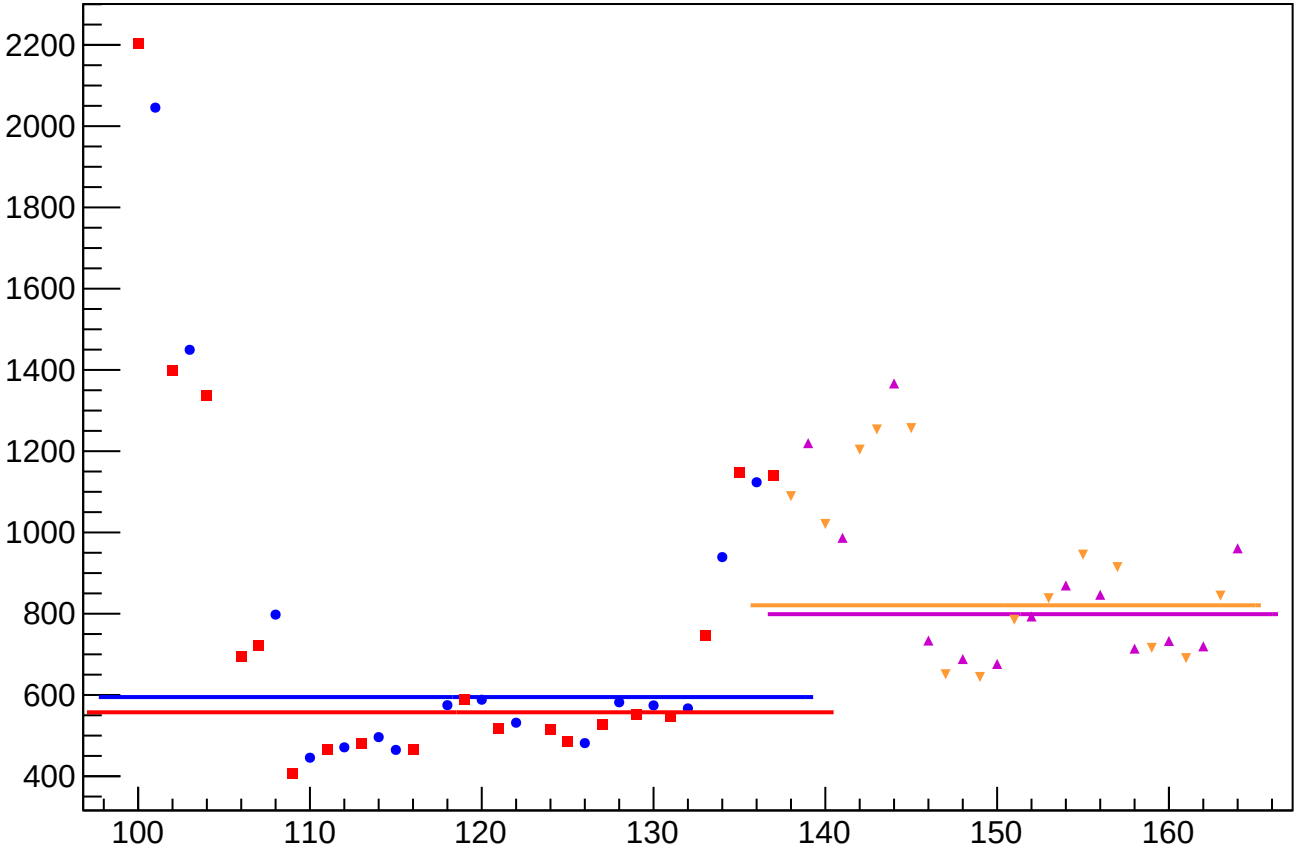
Left In: -252.560+/-246.454 χ^2/NDF:6.0/12

\+ sign -508.716+/-172.950 χ^2/NDF: 61.8/29

All: -478.931+/-118.584 χ^2/NDF: 81.2/61

\- 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: 820.747+/-0.178 χ^2/NDF:1002239.1/13

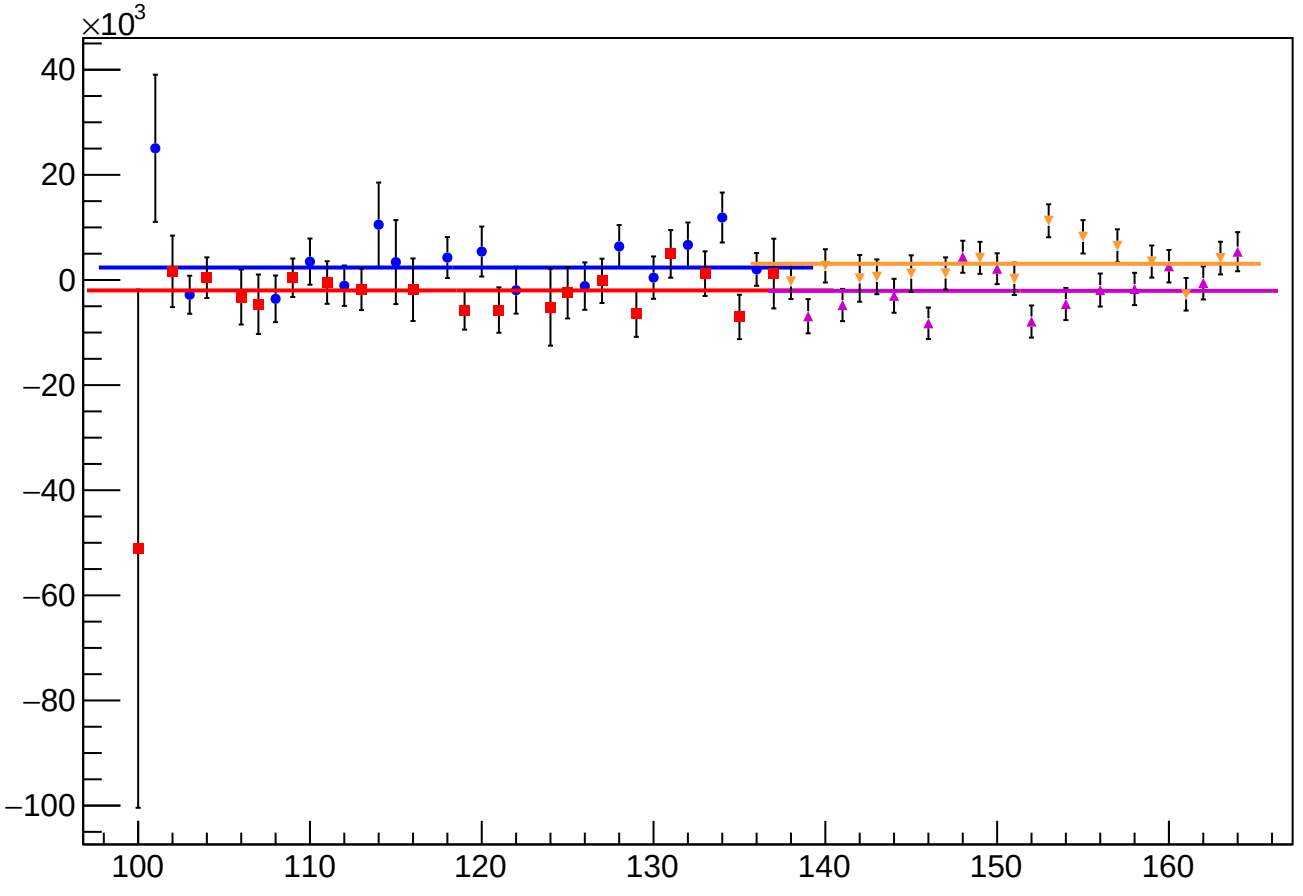
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.898+/-0.174 χ^2/NDF:795224.7/12

+ sign 700.915+/-0.122 χ^2/NDF: 3704654.6/29

All: 680.778+/-0.084 χ^2/NDF: 7263709.1/61

- 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: 3085.212+/-860.455 χ^2/NDF:17.9/13

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

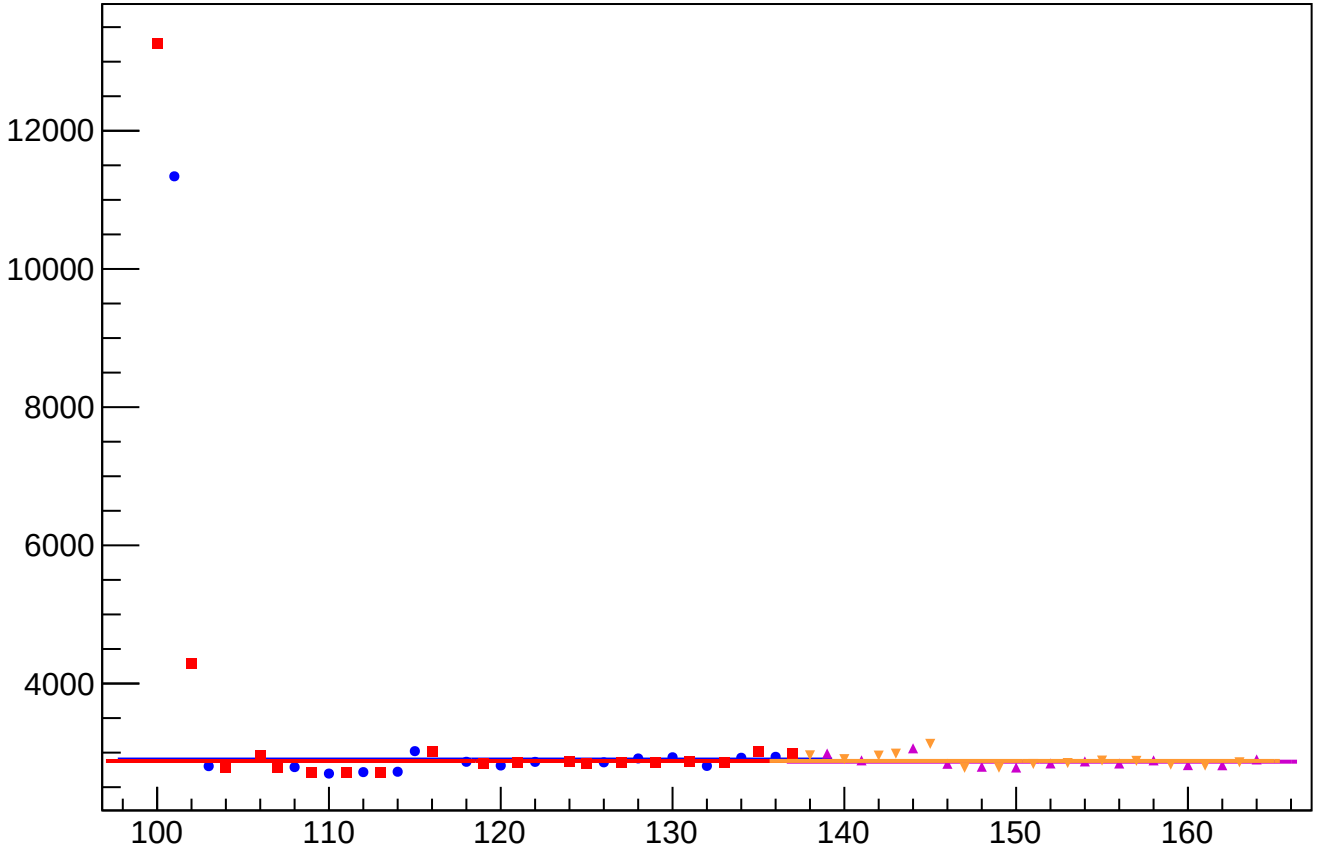
Left In: -2064.437+/-866.524 χ^2/NDF:24.8/12

+ sign 2814.537+/-679.180 χ^2/NDF: 35.0/29

All: 374.302+/-478.667 χ^2/NDF: 95.7/61

- 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: 2879.943+/-0.608 χ^2/NDF:20511.6/13

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

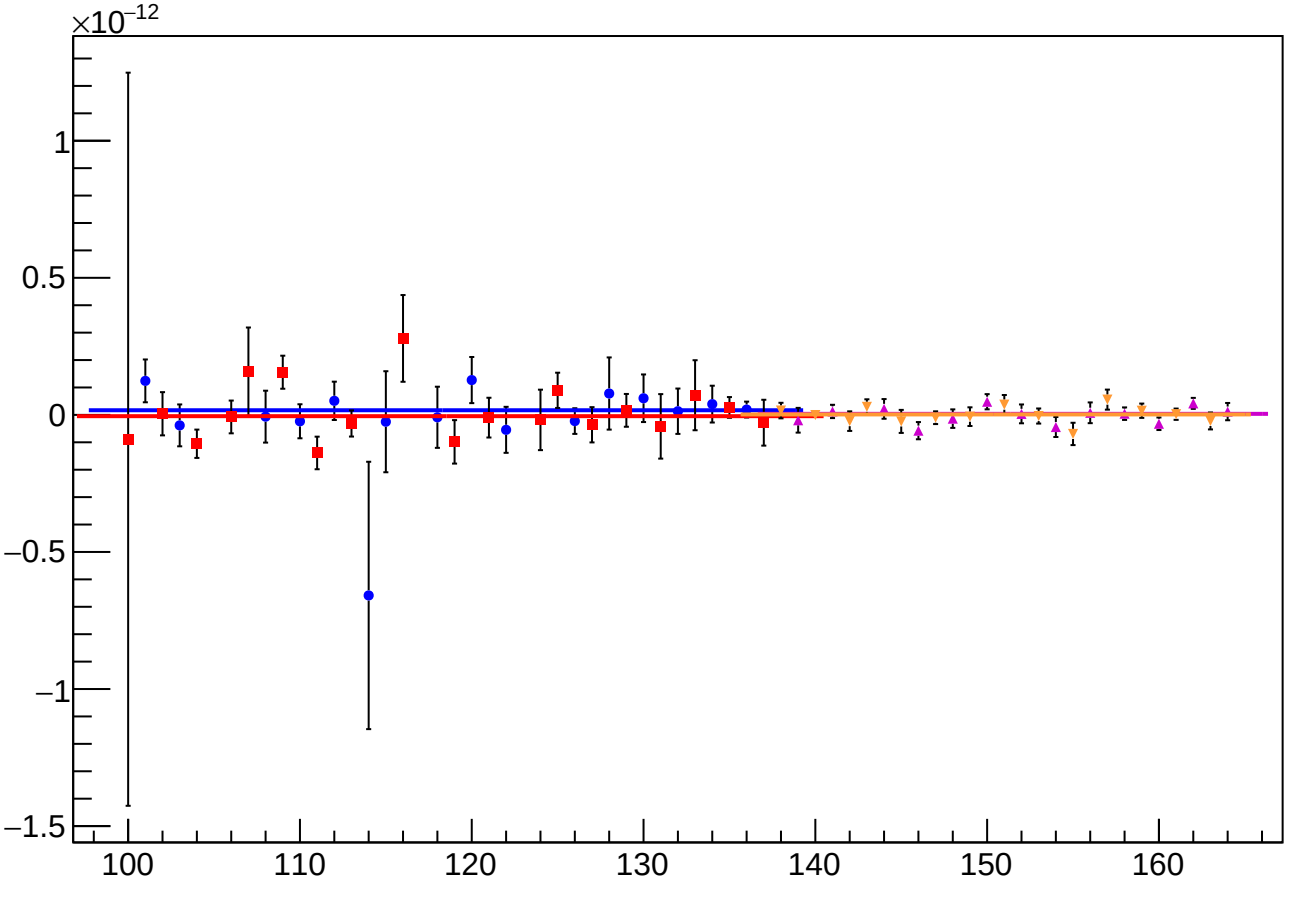
Left In: 2868.988+/-0.613 χ^2/NDF:14462.4/12

+ sign 2887.439+/-0.480 χ^2/NDF: 762732.4/29

All: 2880.128+/-0.338 χ^2/NDF: 971041.9/61

- 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:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

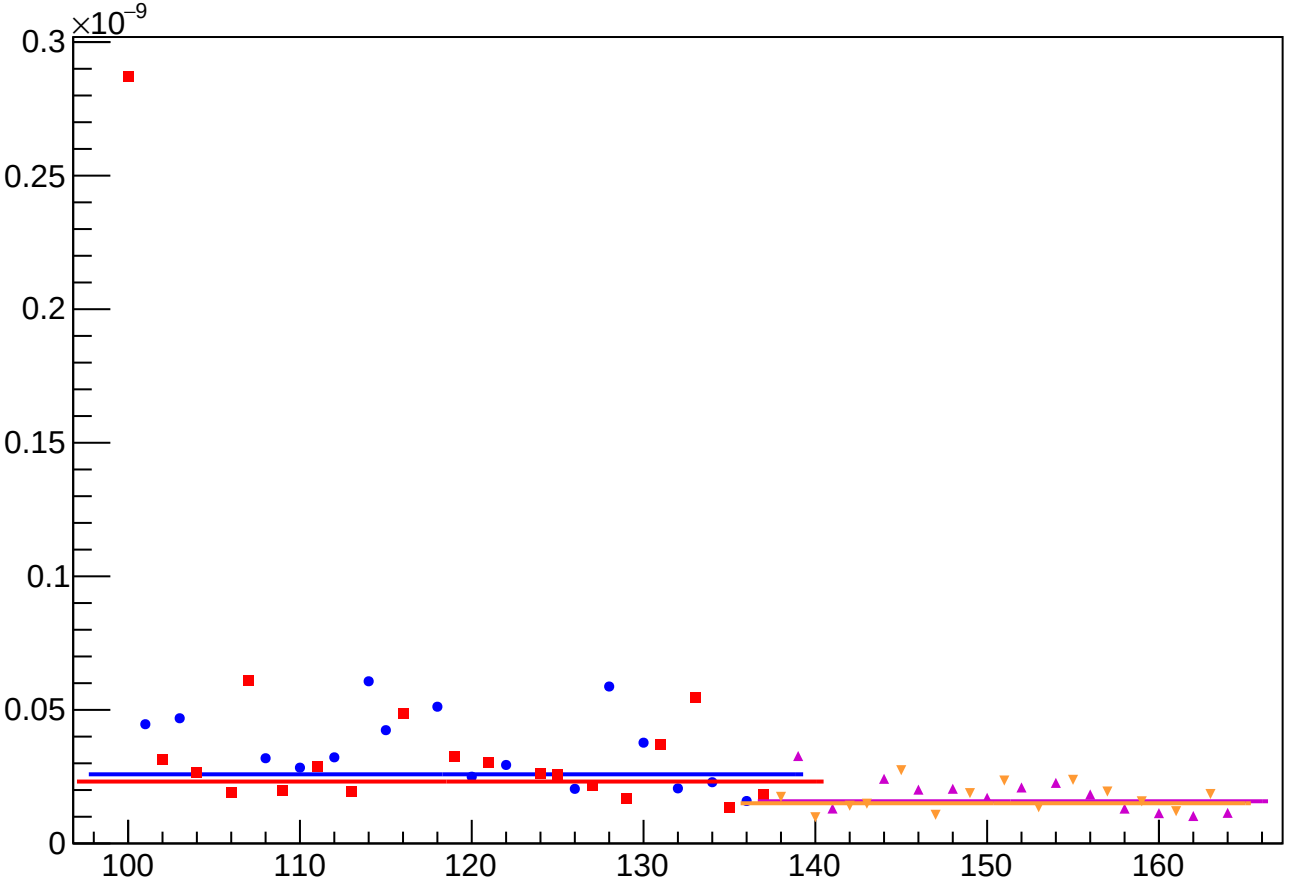
Left In: 0.000+/-0.000 χ^2/NDF:15.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/29

All: 0.000+/-0.000 χ^2/NDF: 60.4/61

- 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:757891.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

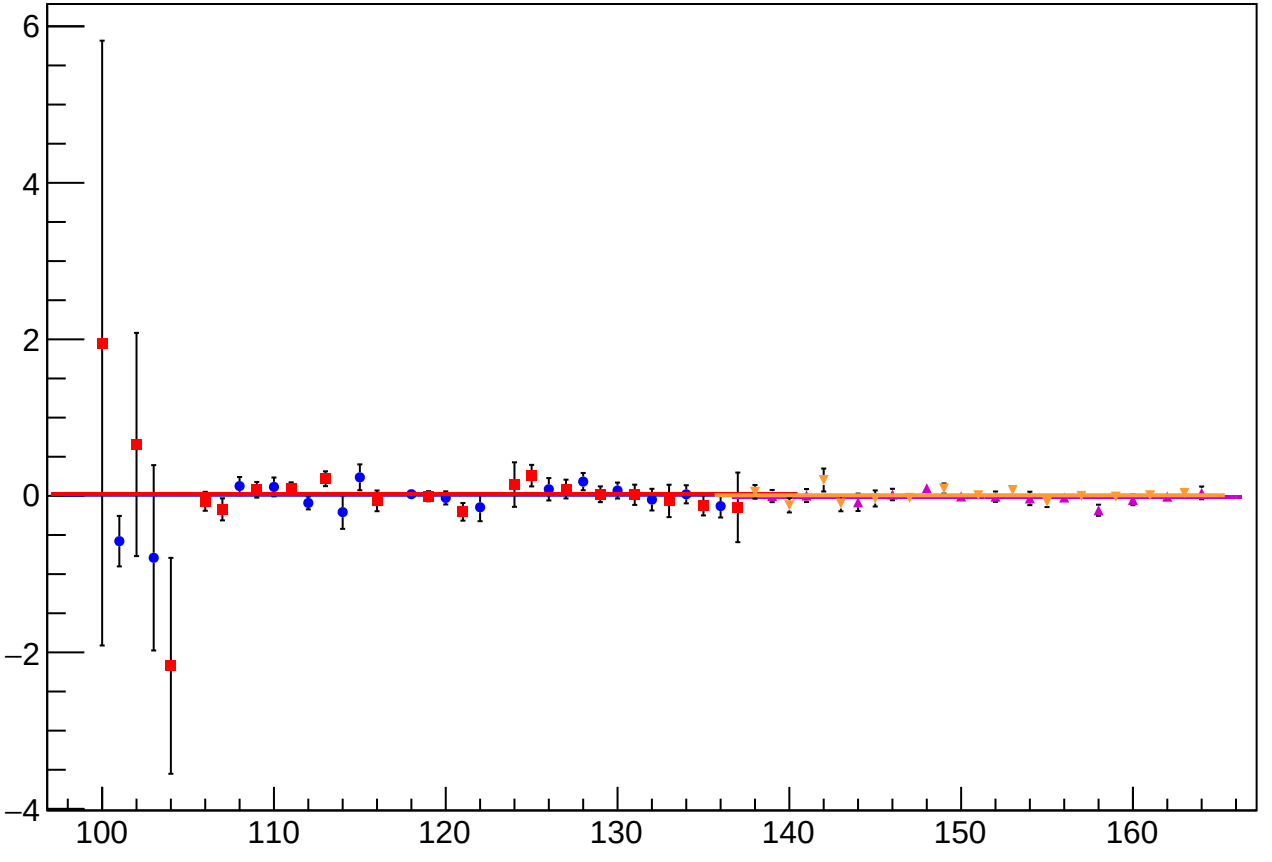
Left In: 0.000+/-0.000 χ^2/NDF:917742.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 2313083.9/29

All: 0.000+/-0.000 χ^2/NDF: 4276785.7/61

- 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: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

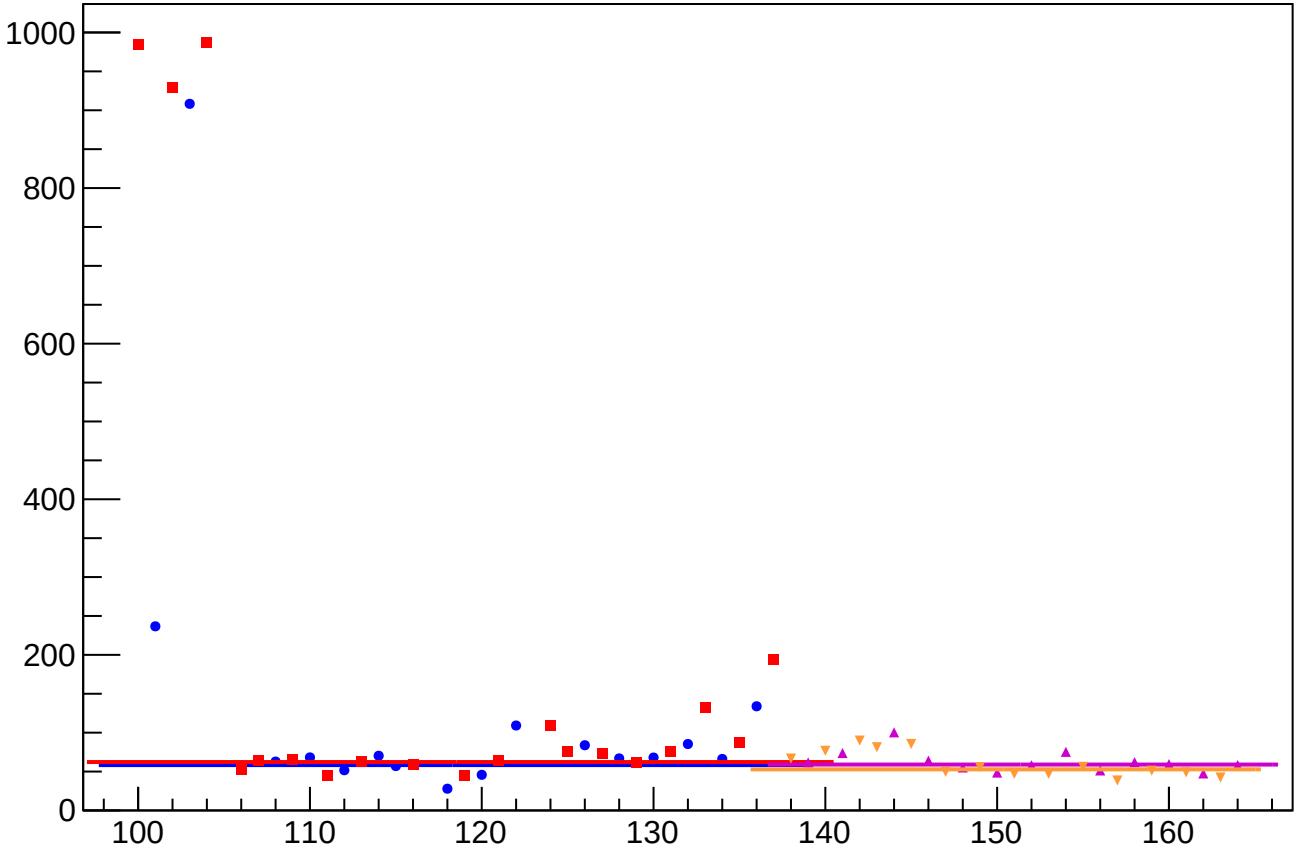
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.3/61

- 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: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

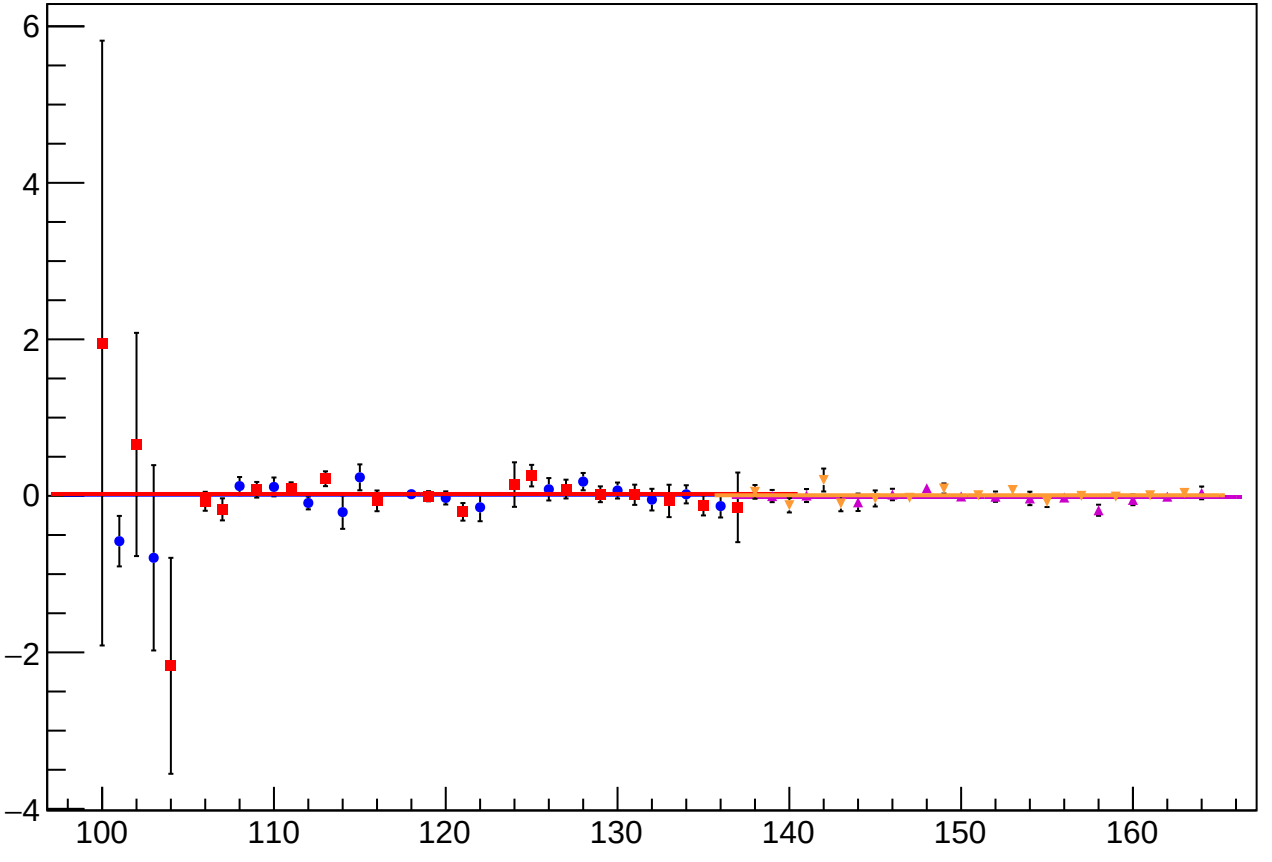
Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

+ sign 54.478+/-0.011 χ^2/NDF: 4250836.3/29

All: 57.123+/-0.008 χ^2/NDF: 7633656.7/61

- 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: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

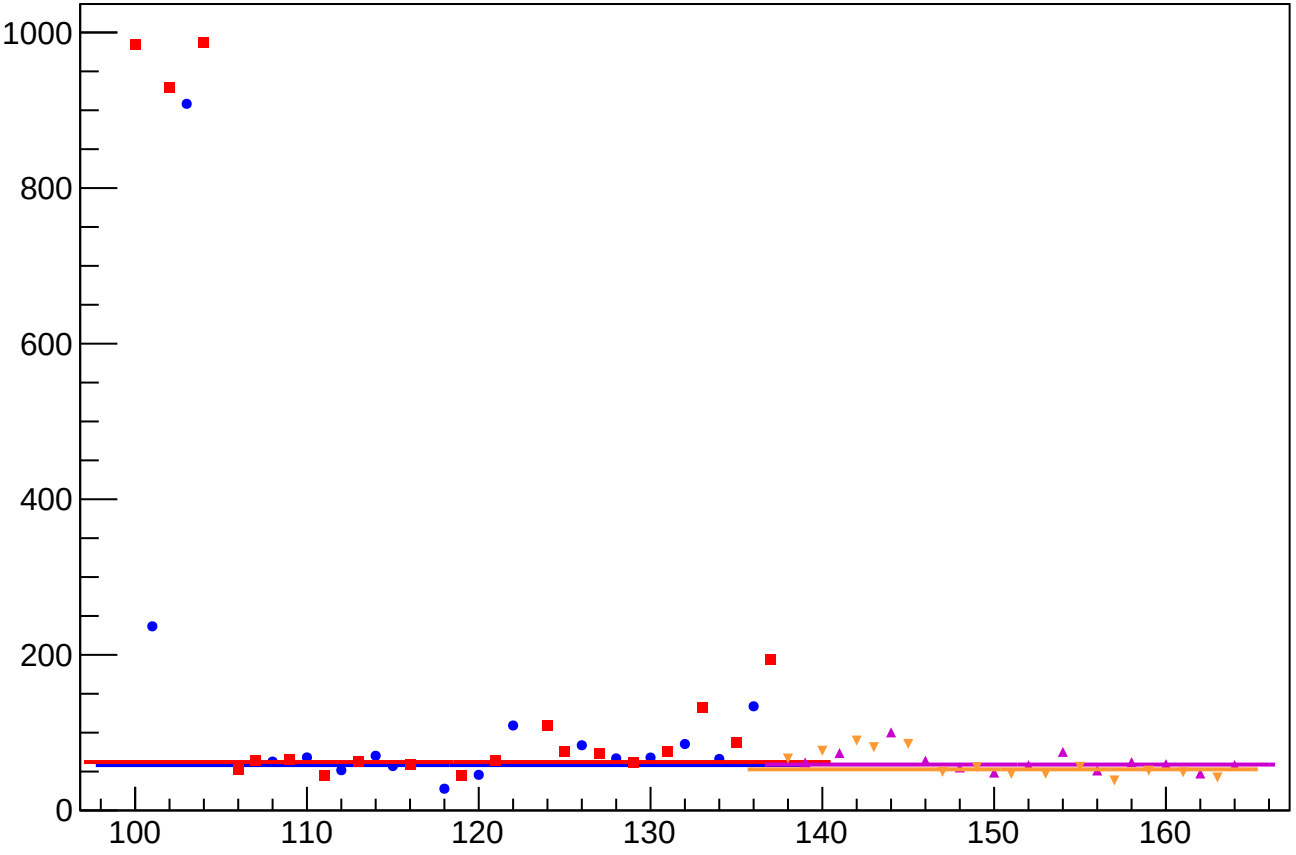
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.3/61

- 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: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

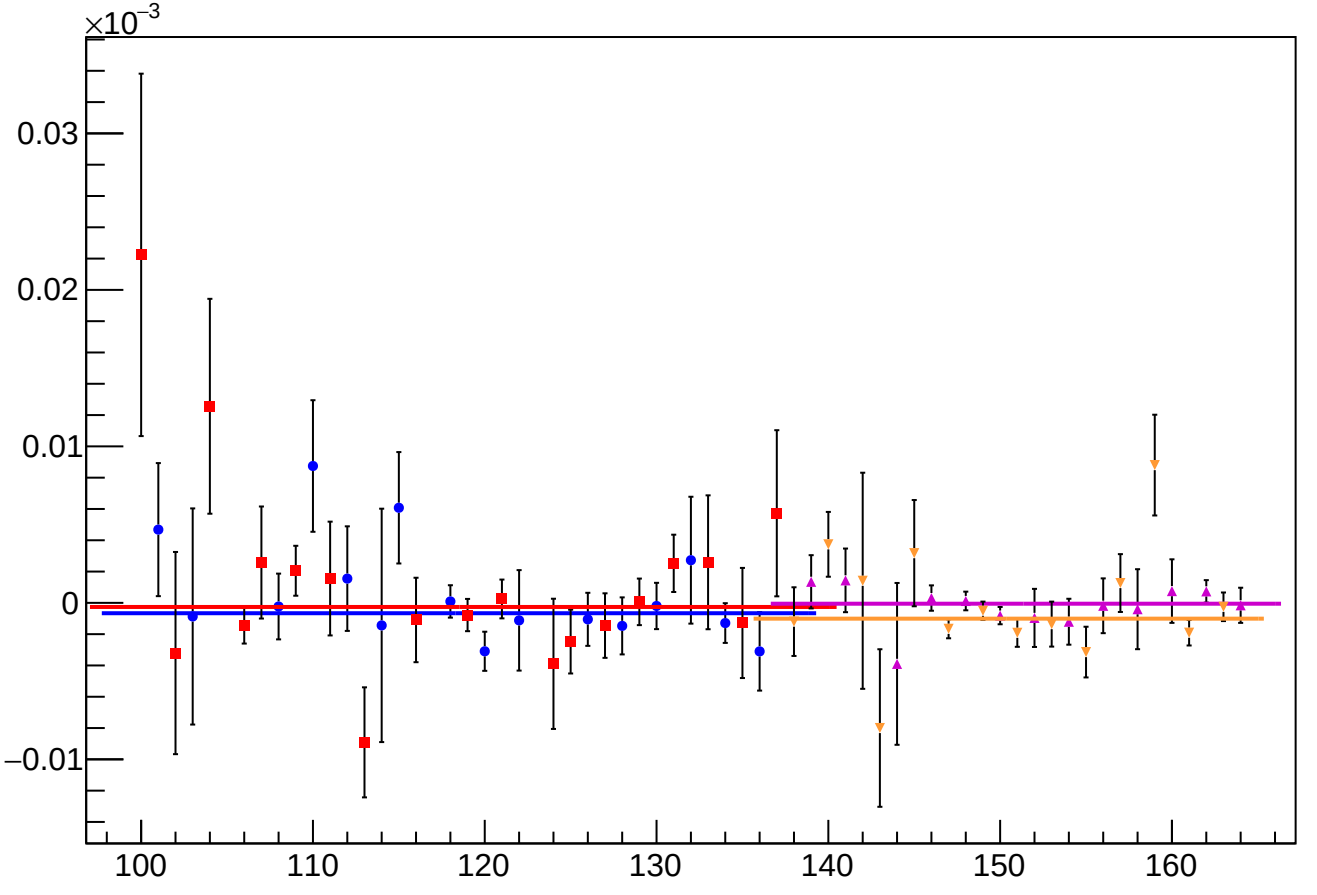
Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

\+ sign 54.478+/-0.011 χ^2/NDF: 4250836.3/29

All: 57.123+/-0.008 χ^2/NDF: 7633656.7/61

\- 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:26.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

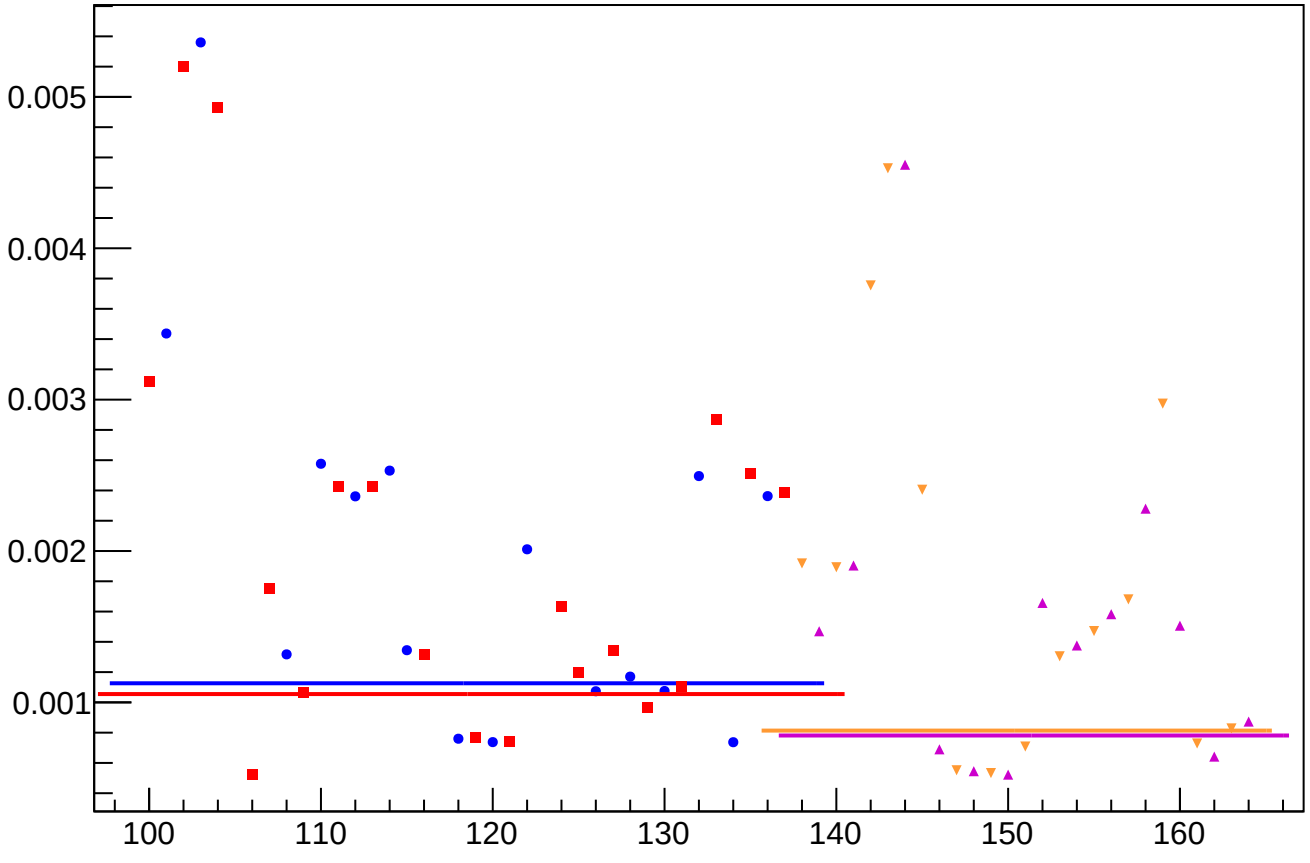
Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/29

All: -0.000+/-0.000 χ^2/NDF: 80.1/61

- 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:5729504.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

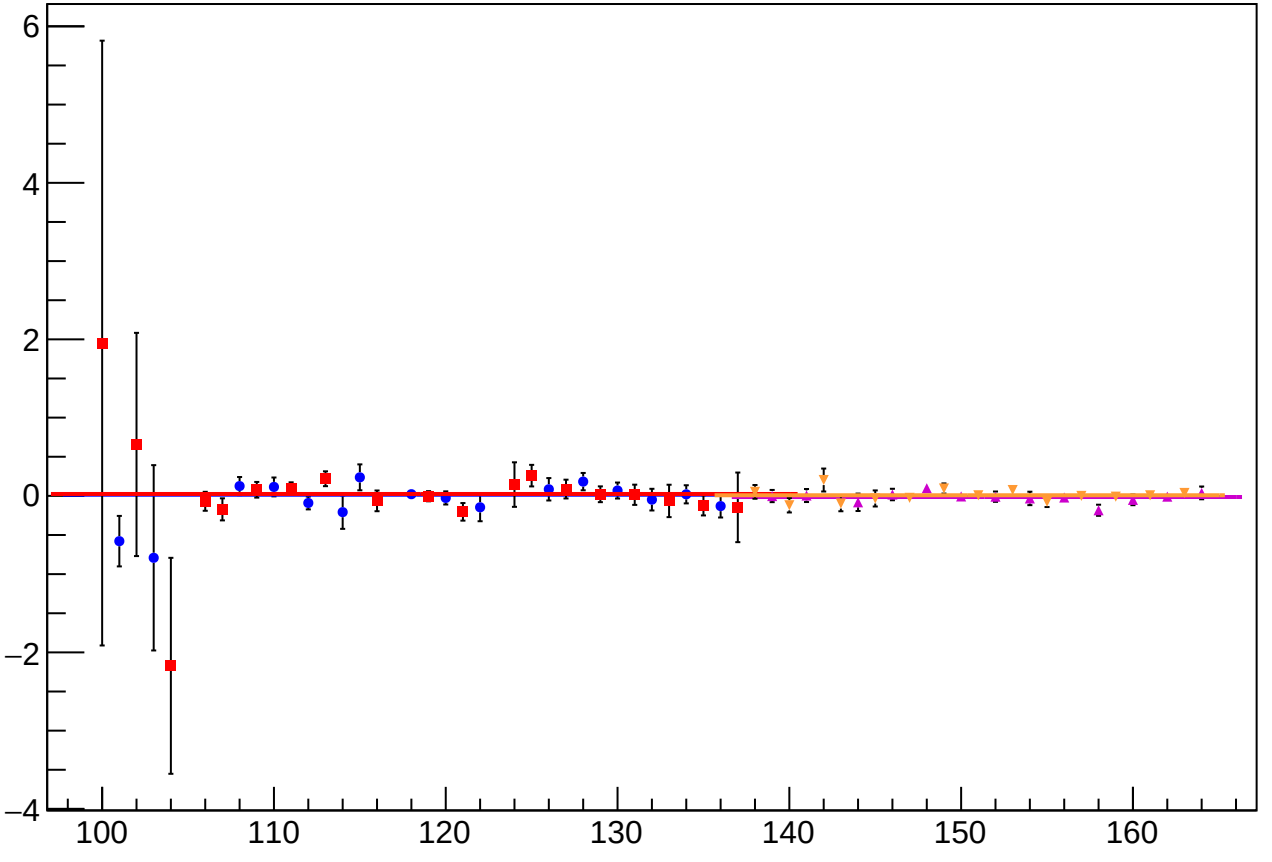
Left In: 0.001+/-0.000 χ^2/NDF:5002338.3/12

+ sign 0.001+/-0.000 χ^2/NDF: 9779077.7/29

All: 0.001+/-0.000 χ^2/NDF: 19164120.3/61

- 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: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

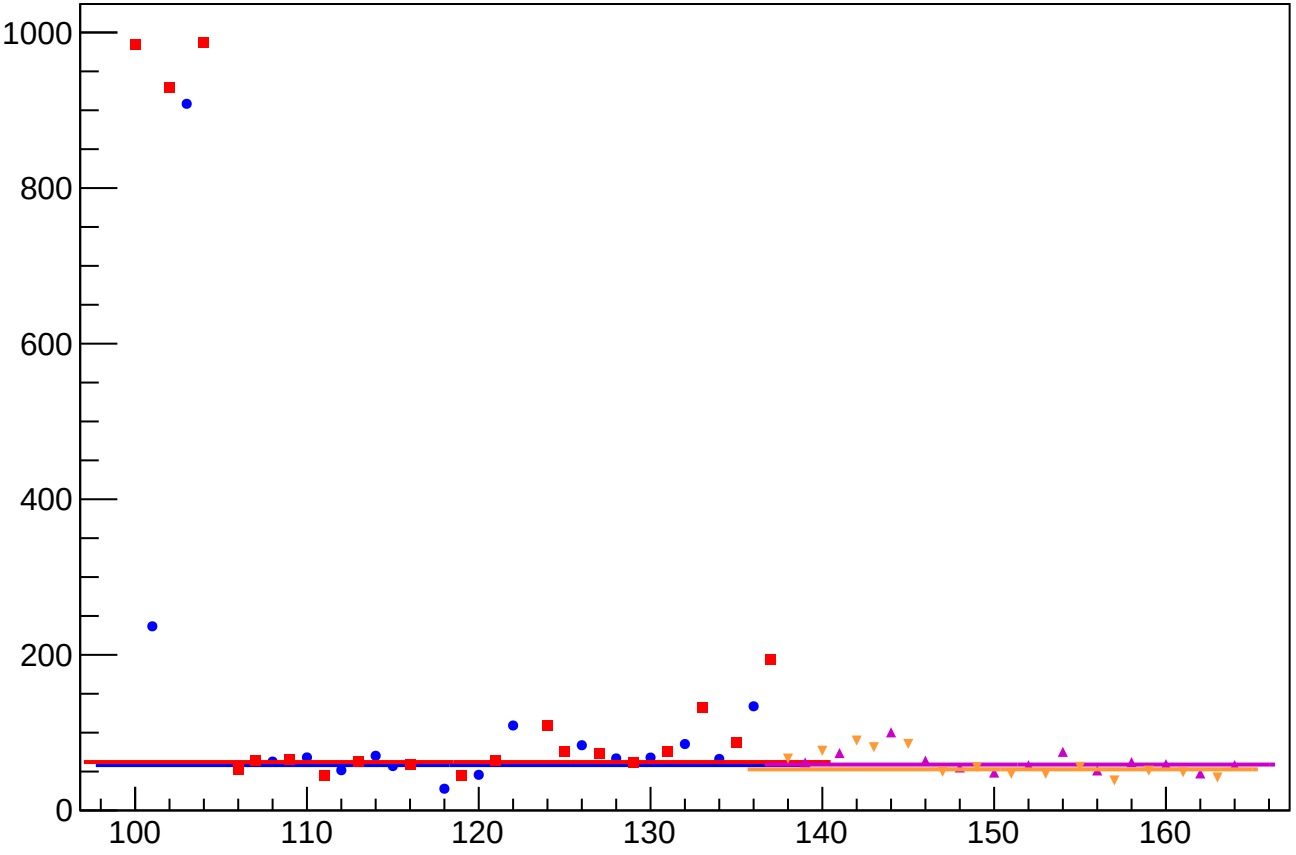
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.3/61

- 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: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

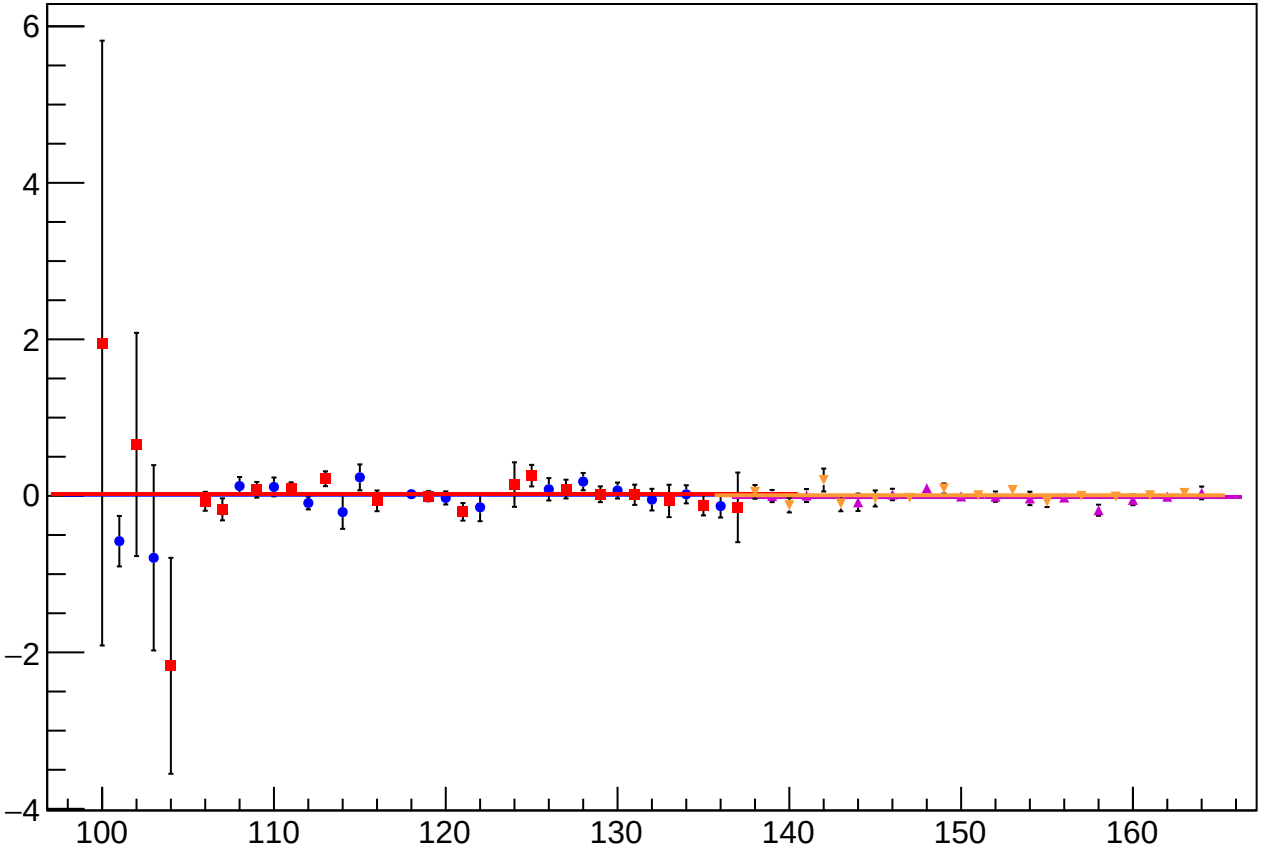
Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

\+ sign 54.477+/-0.011 χ^2/NDF: 4250964.3/29

All: 57.123+/-0.008 χ^2/NDF: 7633831.4/61

\- 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: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

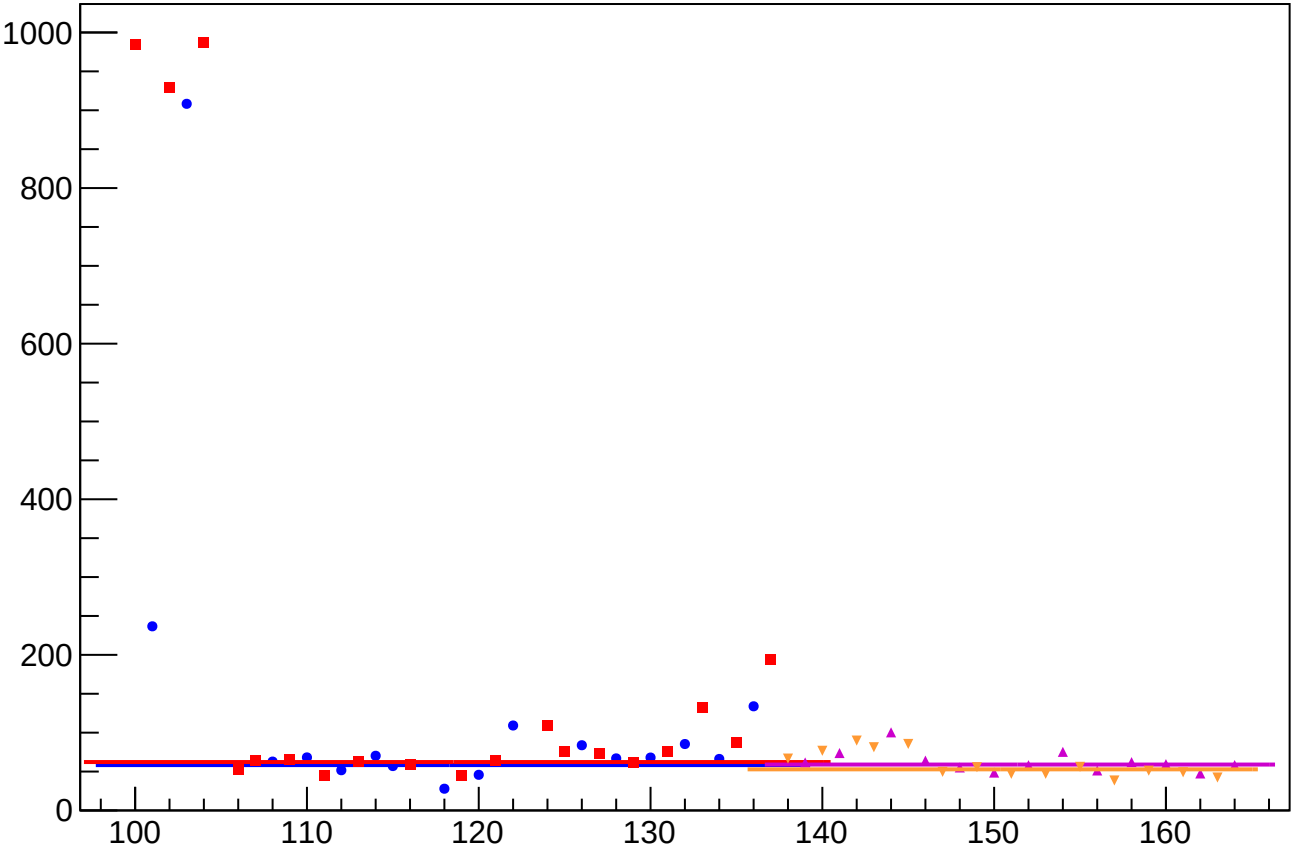
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.3/61

- 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: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

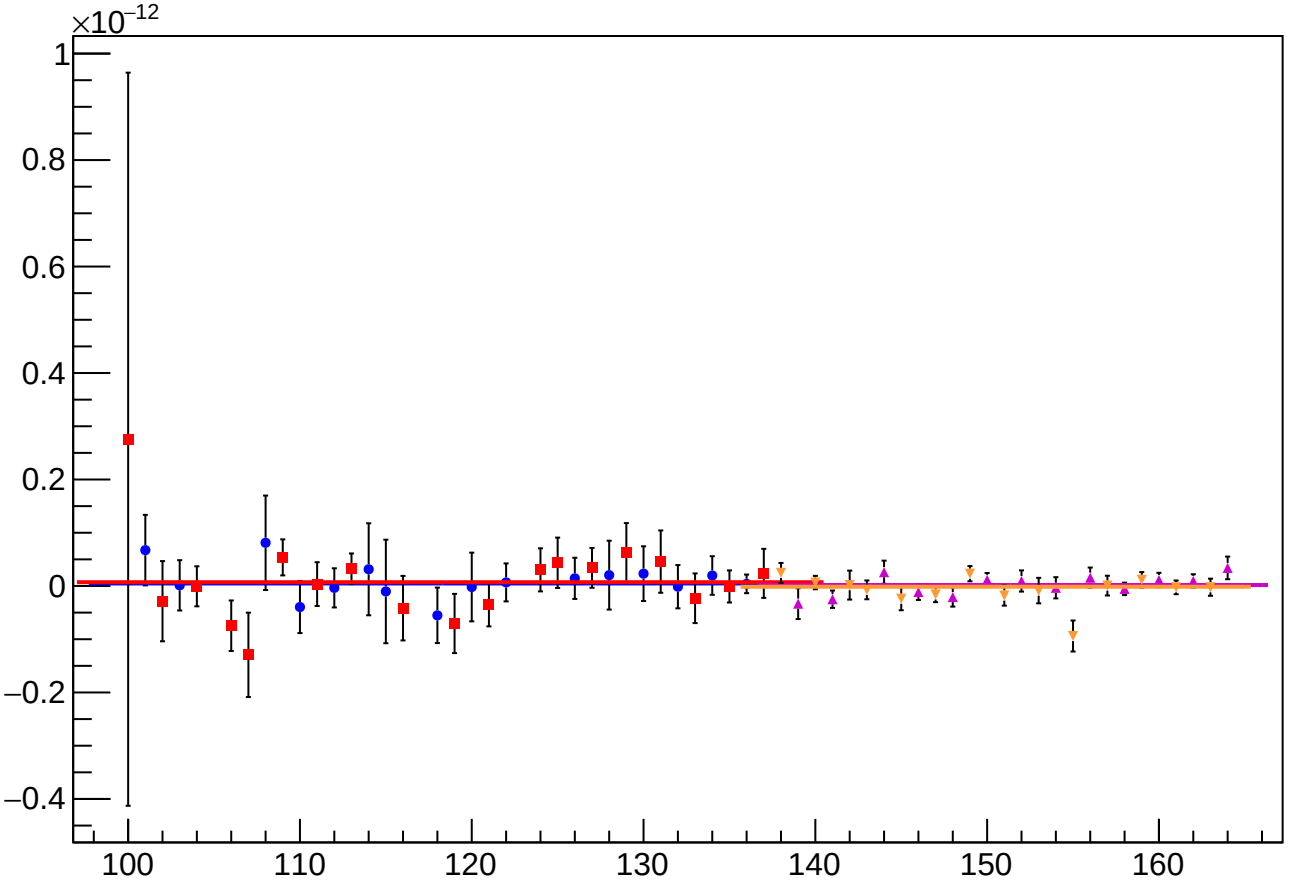
Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

\+ sign 54.477+/-0.011 χ^2/NDF: 4250964.3/29

All: 57.123+/-0.008 χ^2/NDF: 7633831.4/61

\- 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:19.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

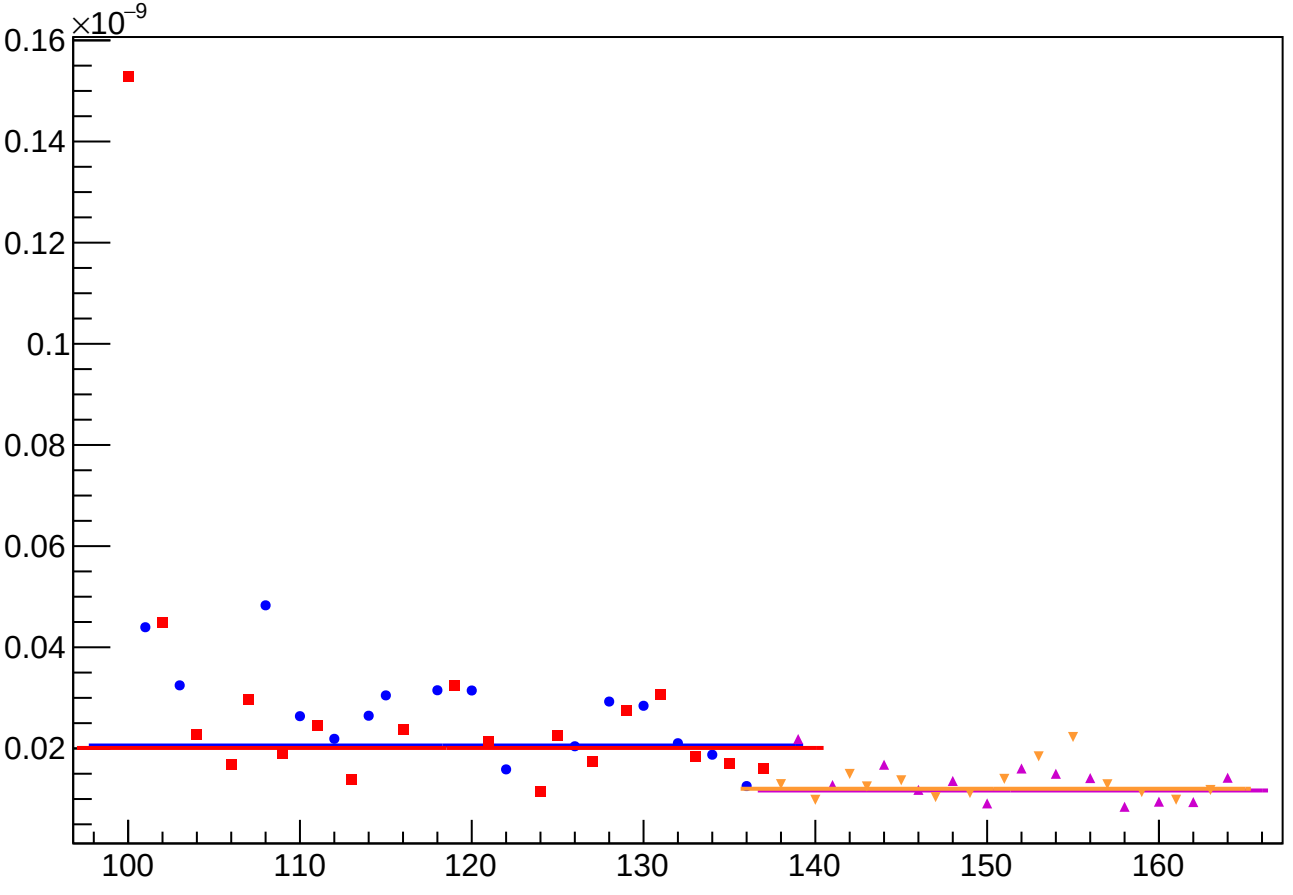
Left In: 0.000+/-0.000 χ^2/NDF:12.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/29

All: 0.000+/-0.000 χ^2/NDF: 53.1/61

- 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:611336.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

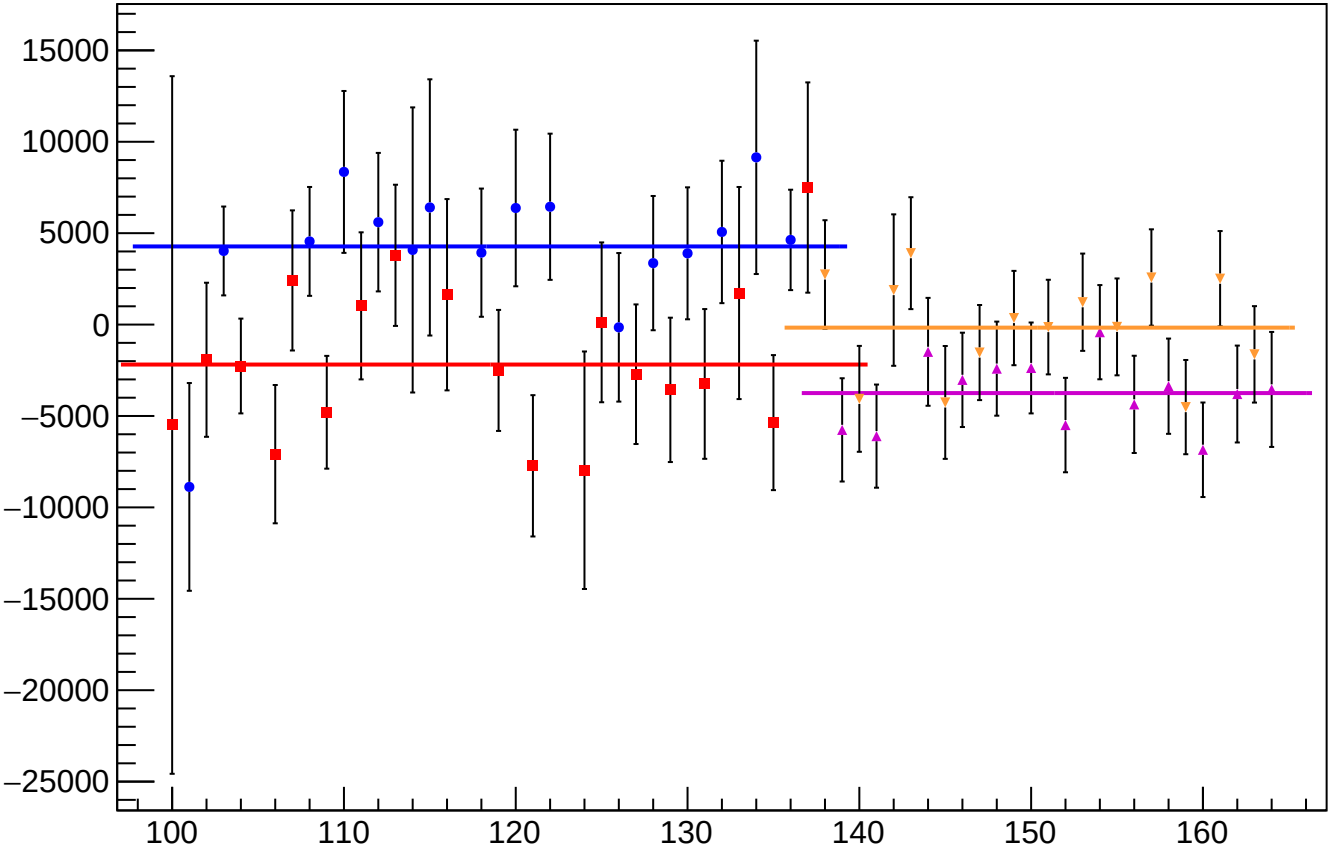
Left In: 0.000+/-0.000 χ^2/NDF:951276.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3093956.1/29

All: 0.000+/-0.000 χ^2/NDF: 6020339.3/61

- 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: -167.309+/-741.411 χ^2/NDF:12.4/13

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

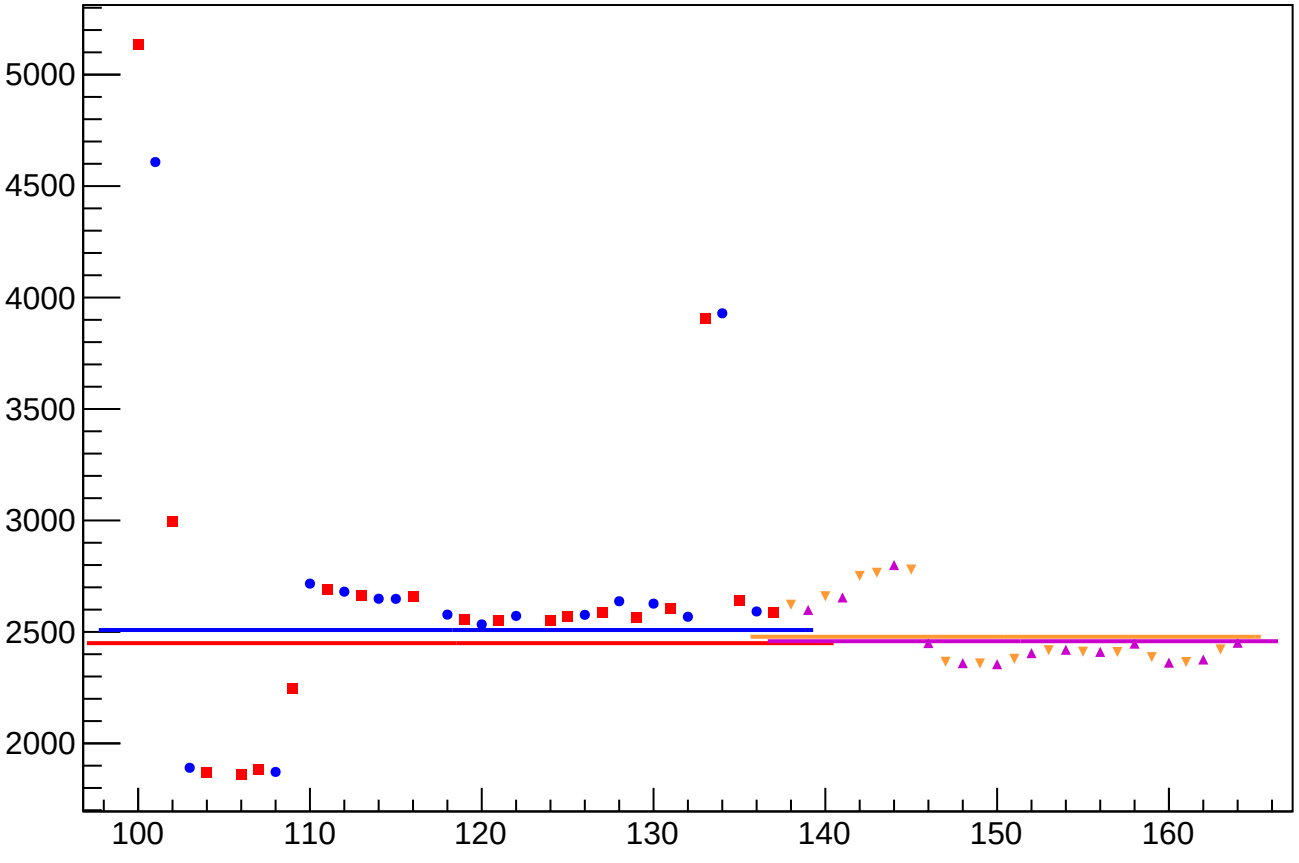
Left In: -3747.074+/-743.107 χ^2/NDF:6.1/12

+ sign 1509.689+/-584.936 χ^2/NDF: 34.9/29

All: -836.676+/-411.356 χ^2/NDF: 89.3/61

- 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: 2478.362+/-0.524 χ^2/NDF:79733.1/13

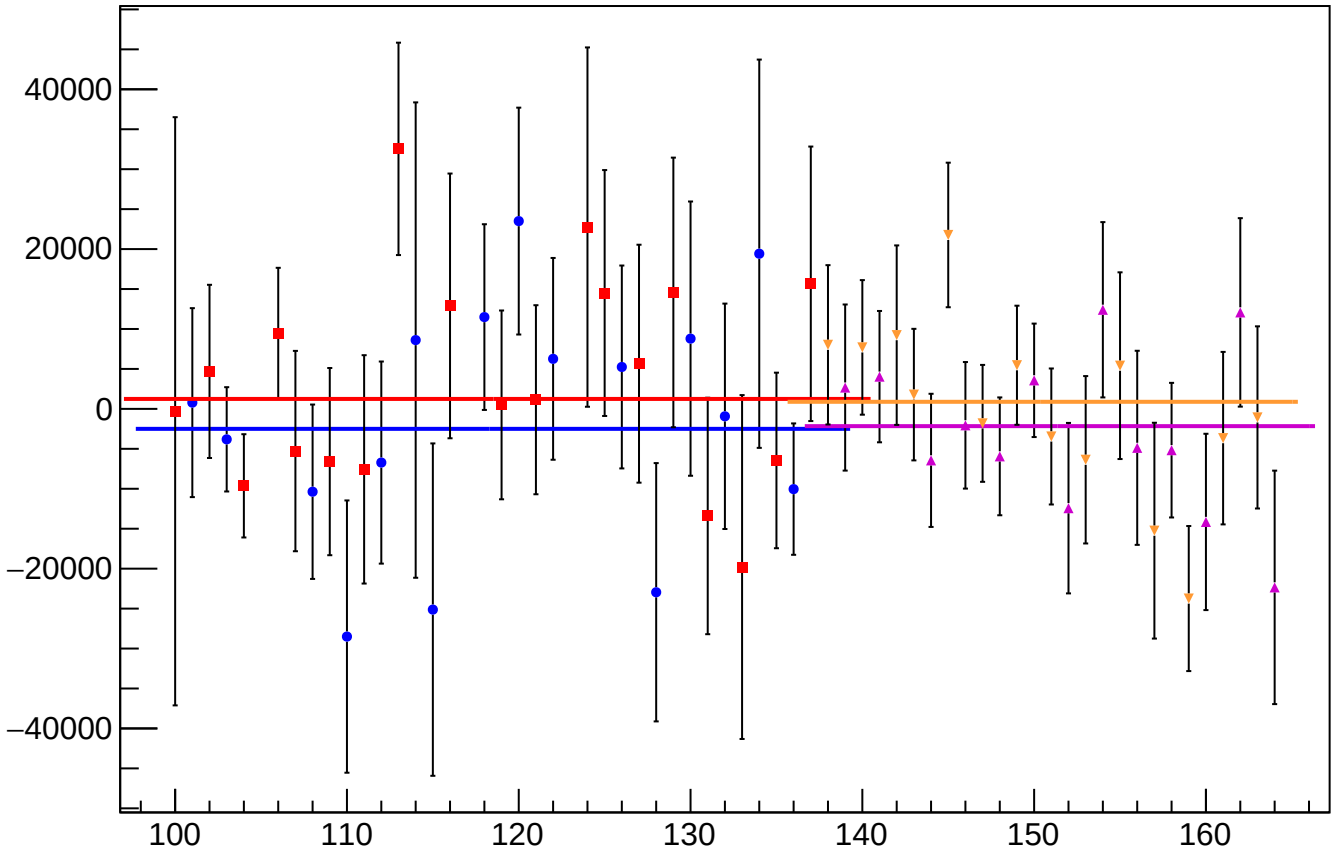
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.6/12

+ sign 2489.728+/-0.414 χ^2/NDF: 692567.7/29

All: 2472.097+/-0.291 χ^2/NDF: 1187653.3/61

- 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: 885.107+/-2501.076 χ^2/NDF:17.5/13

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

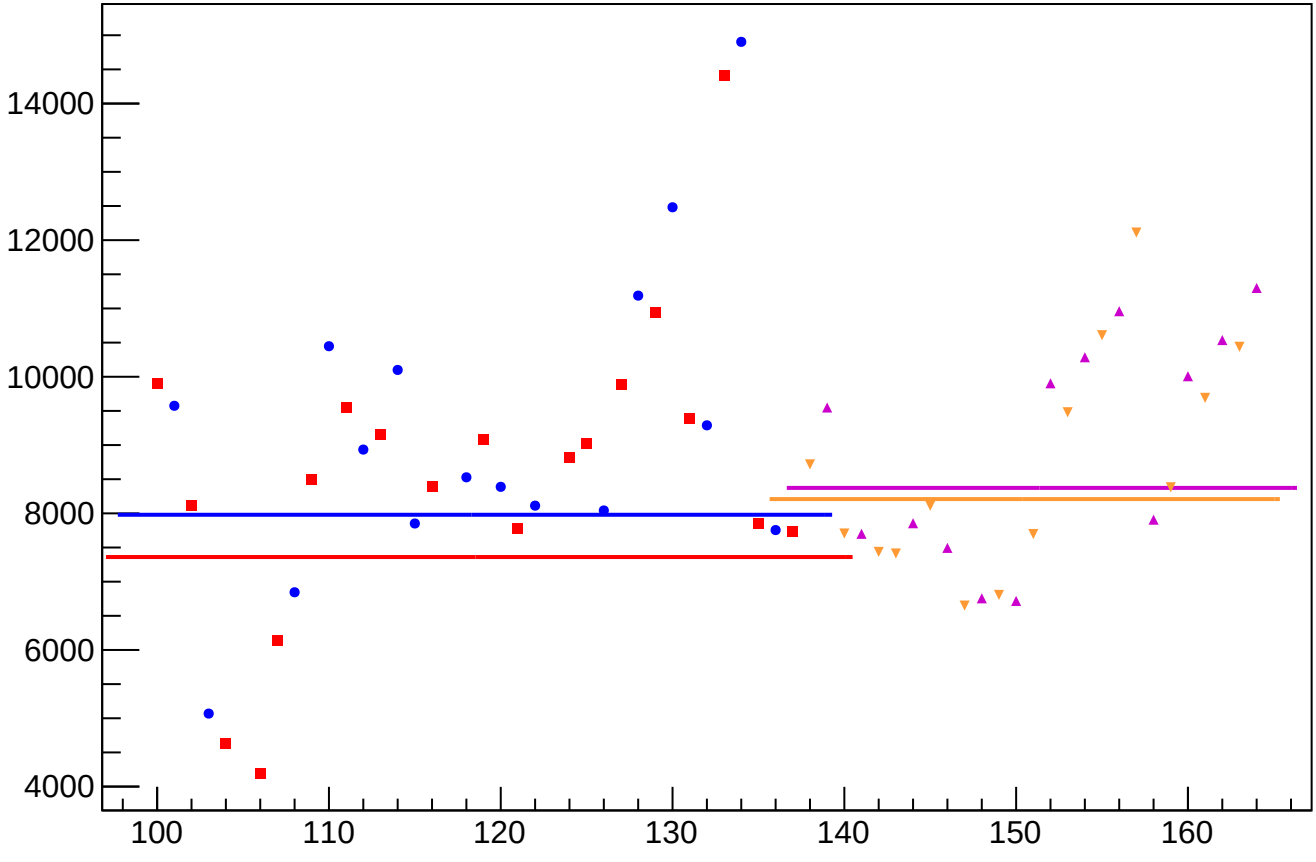
Left In: -2161.531+/-2576.346 χ^2/NDF:9.4/12

+ sign -462.617+/-1940.451 χ^2/NDF: 31.9/29

All: -548.321+/-1361.943 χ^2/NDF: 58.7/61

- 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: 8209.096+/-1.769 χ^2/NDF:605310.5/13

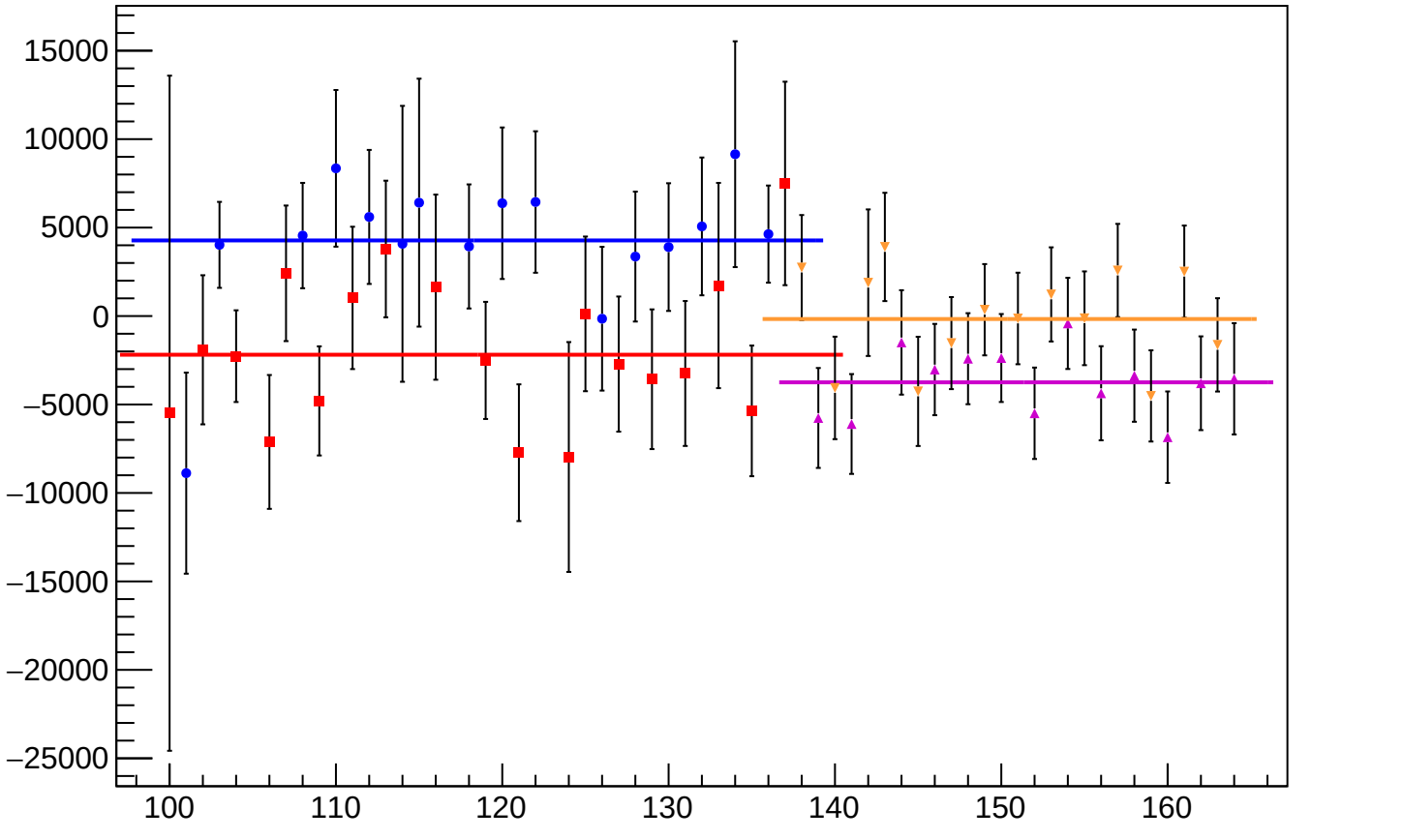
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8372.852+/-1.822 χ^2/NDF:666308.7/12

+ sign 8117.698+/-1.372 χ^2/NDF: 1535104.1/29

All: 8016.471+/-0.963 χ^2/NDF: 3636804.3/61

- sign 7918.189+/-1.352 χ^2/NDF: 2090973.2/31



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

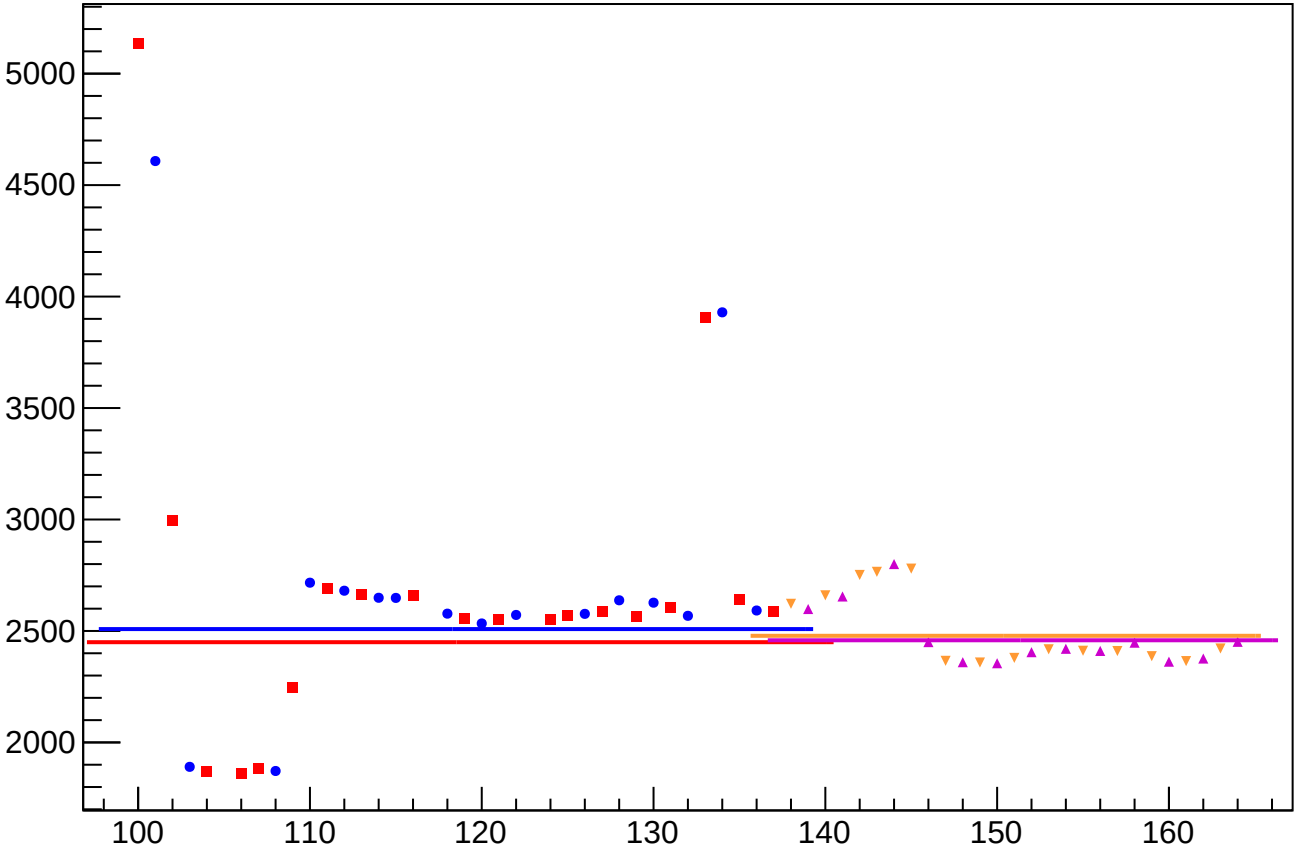
Left In: -3747.073+/-743.107 χ^2/NDF:6.1/12

+ sign 1509.330+/-584.936 χ^2/NDF: 34.9/29

All: -836.973+/-411.356 χ^2/NDF: 89.3/61

- 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: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

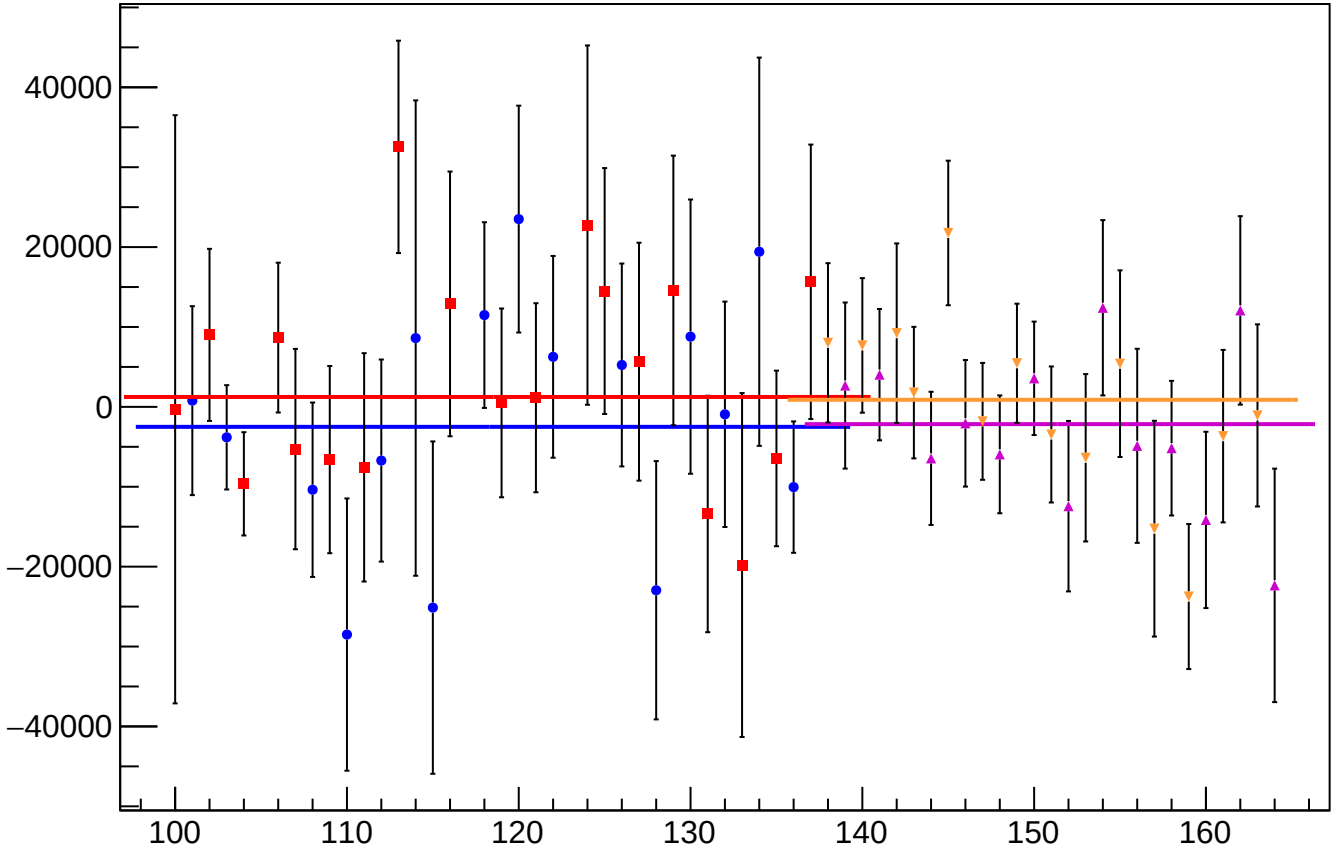
Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

+ sign 2489.729+/-0.414 χ^2/NDF: 692565.5/29

All: 2472.102+/-0.291 χ^2/NDF: 1187594.3/61

- sign 2454.854+/-0.409 χ^2/NDF: 491435.4/31

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

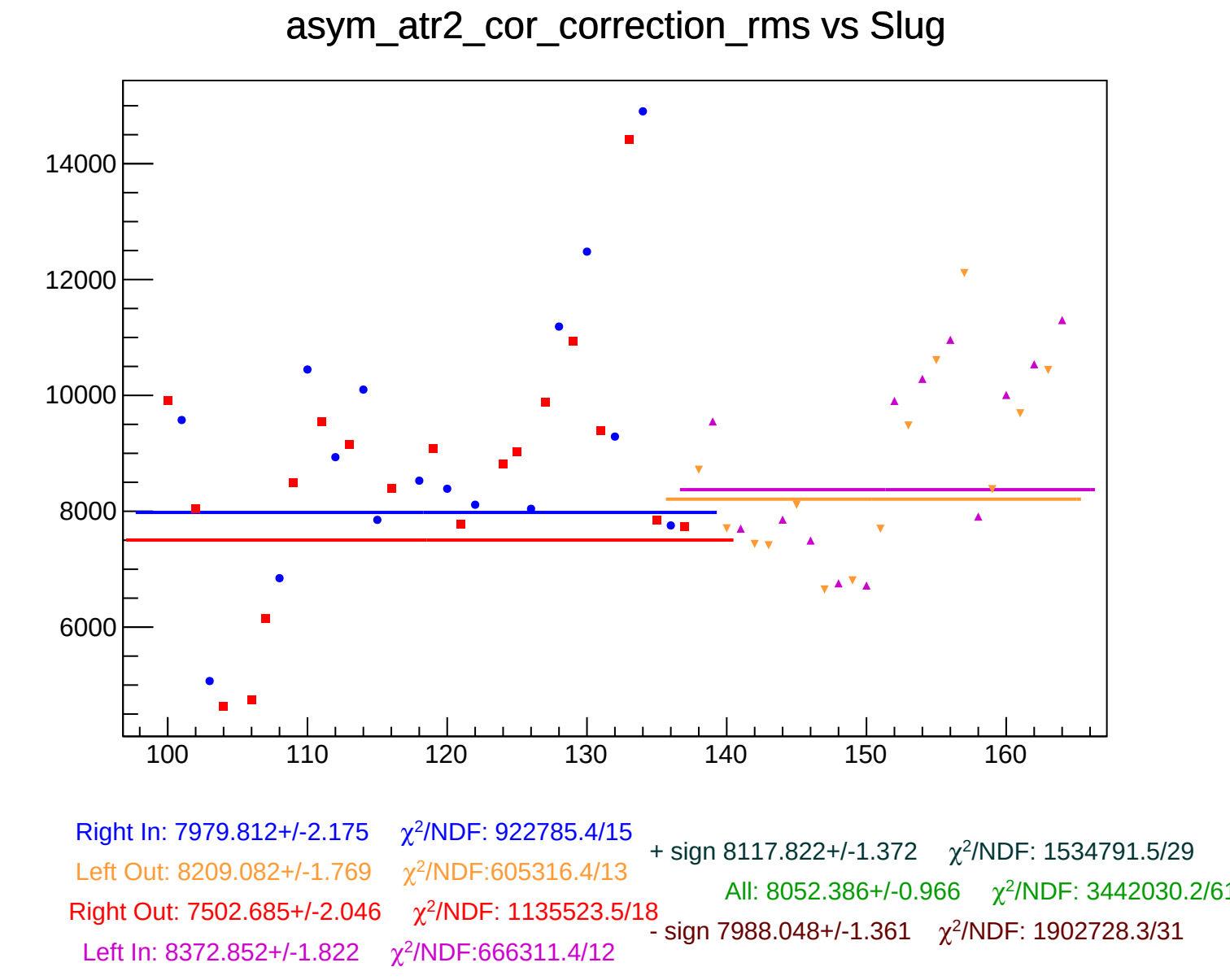
Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -2161.654+/-2576.347 χ^2/NDF:9.4/12

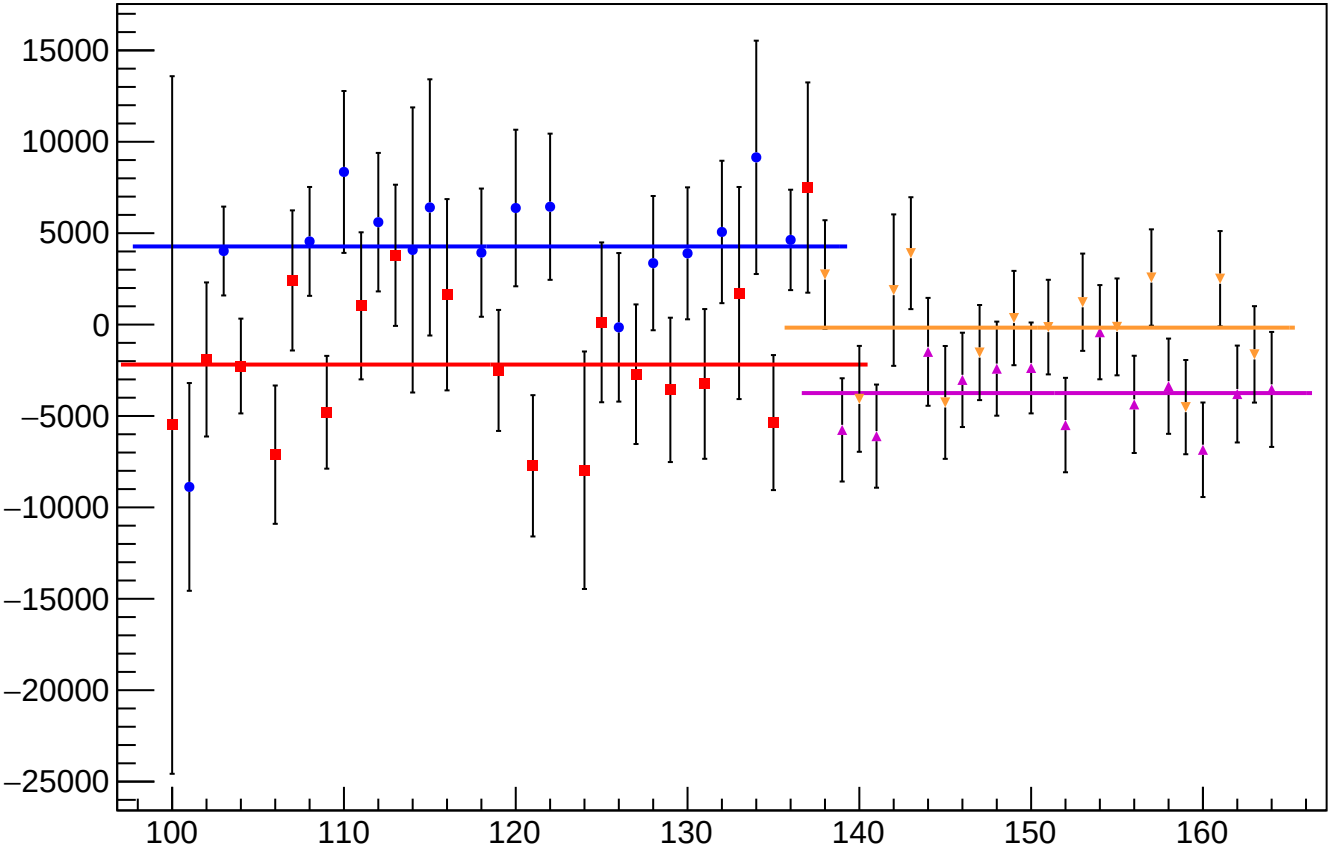
+ sign -462.498+/-1940.471 χ^2/NDF: 31.9/29

All: -560.786+/-1366.309 χ^2/NDF: 58.7/61

- sign -657.427+/-1924.139 χ^2/NDF: 26.8/31


asym_atr2_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8209.082+/-1.769 χ²/NDF:605316.4/13
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8372.852+/-1.822 χ²/NDF:666311.4/12
+ sign 8117.822+/-1.372 χ²/NDF: 1534791.5/29
All: 8052.386+/-0.966 χ²/NDF: 3442030.2/61
- sign 7988.048+/-1.361 χ²/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: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

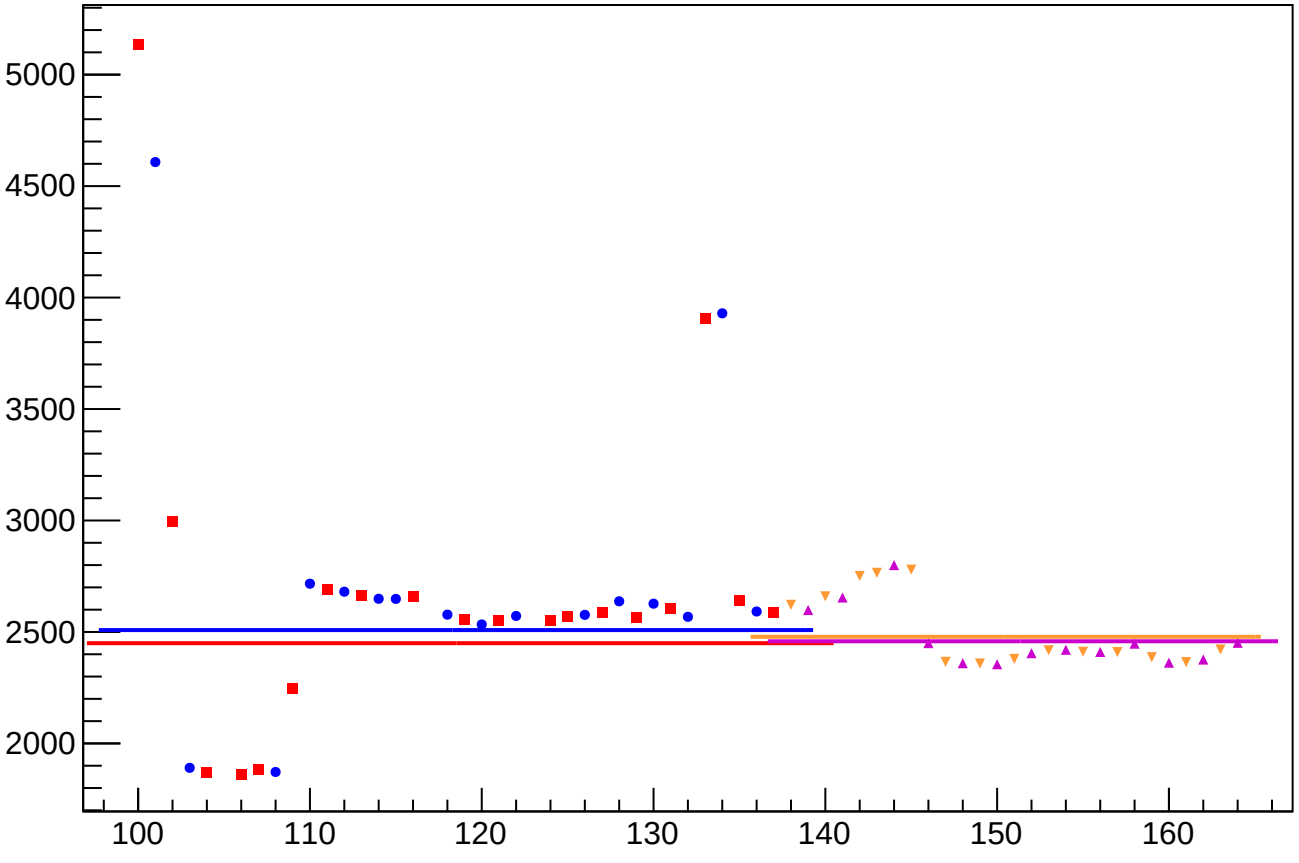
Left In: -3747.073+/-743.107 χ^2/NDF:6.1/12

+ sign 1509.330+/-584.936 χ^2/NDF: 34.9/29

All: -836.973+/-411.356 χ^2/NDF: 89.3/61

- 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: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

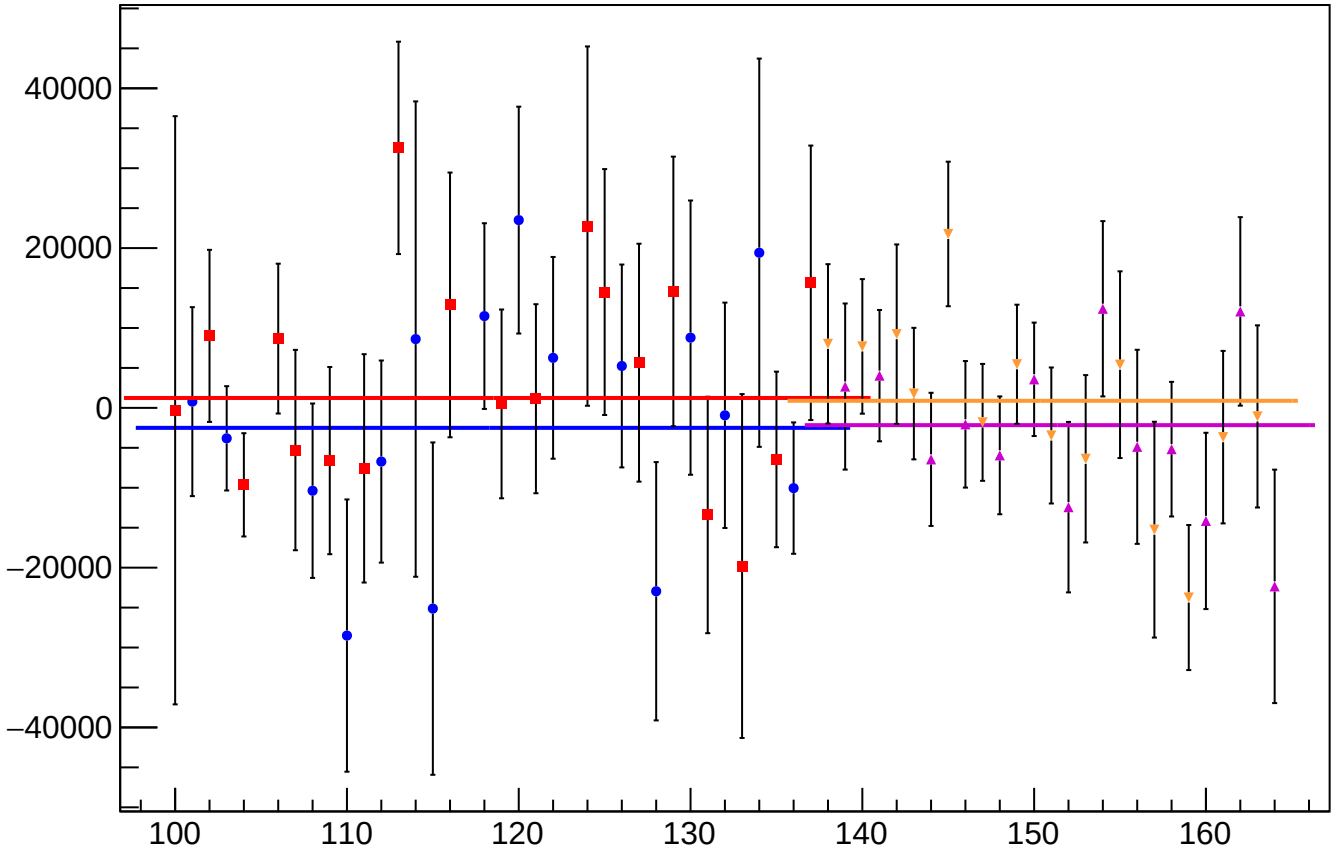
Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

+ sign 2489.729+/-0.414 χ^2/NDF: 692565.5/29

All: 2472.102+/-0.291 χ^2/NDF: 1187594.3/61

- 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: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

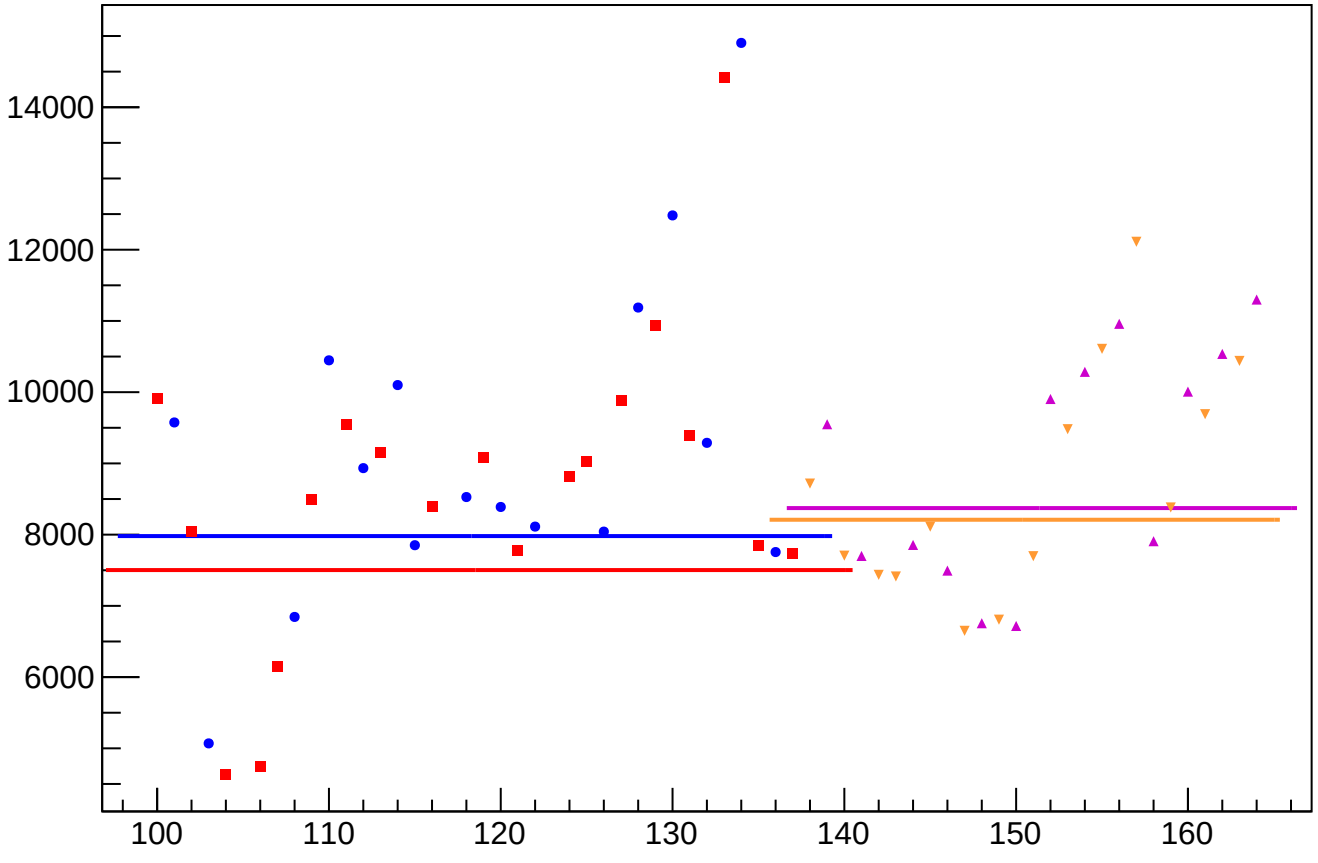
Left In: -2161.654+/-2576.347 χ^2/NDF:9.4/12

+ sign -462.498+/-1940.471 χ^2/NDF: 31.9/29

All: -560.786+/-1366.309 χ^2/NDF: 58.7/61

- 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: 8209.082+/-1.769 χ^2/NDF:605316.4/13

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

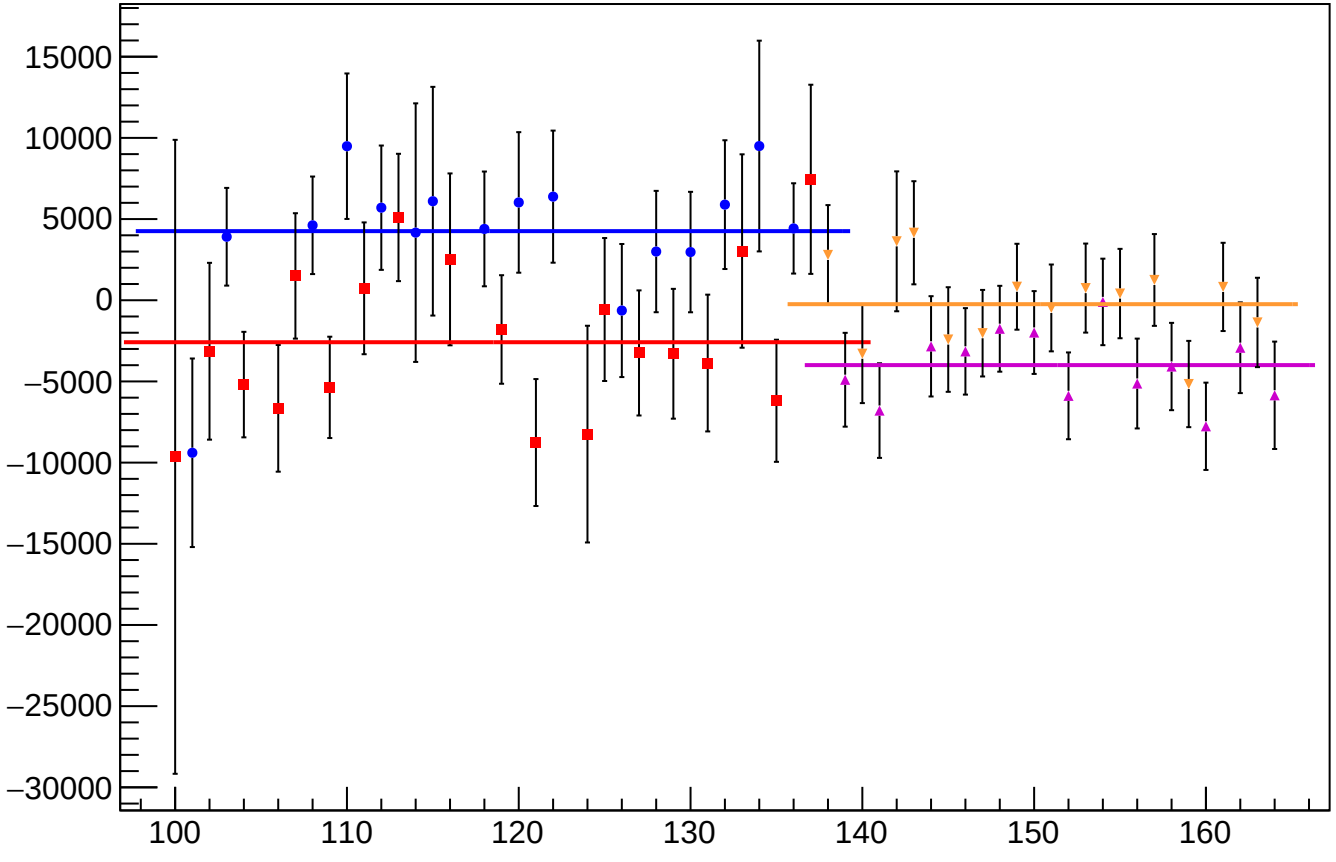
Left In: 8372.852+/-1.822 χ^2/NDF:666311.4/12

+ sign 8117.822+/-1.372 χ^2/NDF: 1534791.5/29

All: 8052.386+/-0.966 χ^2/NDF: 3442030.2/61

- sign 7988.048+/-1.361 χ^2/NDF: 1902728.3/31

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -241.874+/-770.064 χ^2/NDF:10.0/13

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

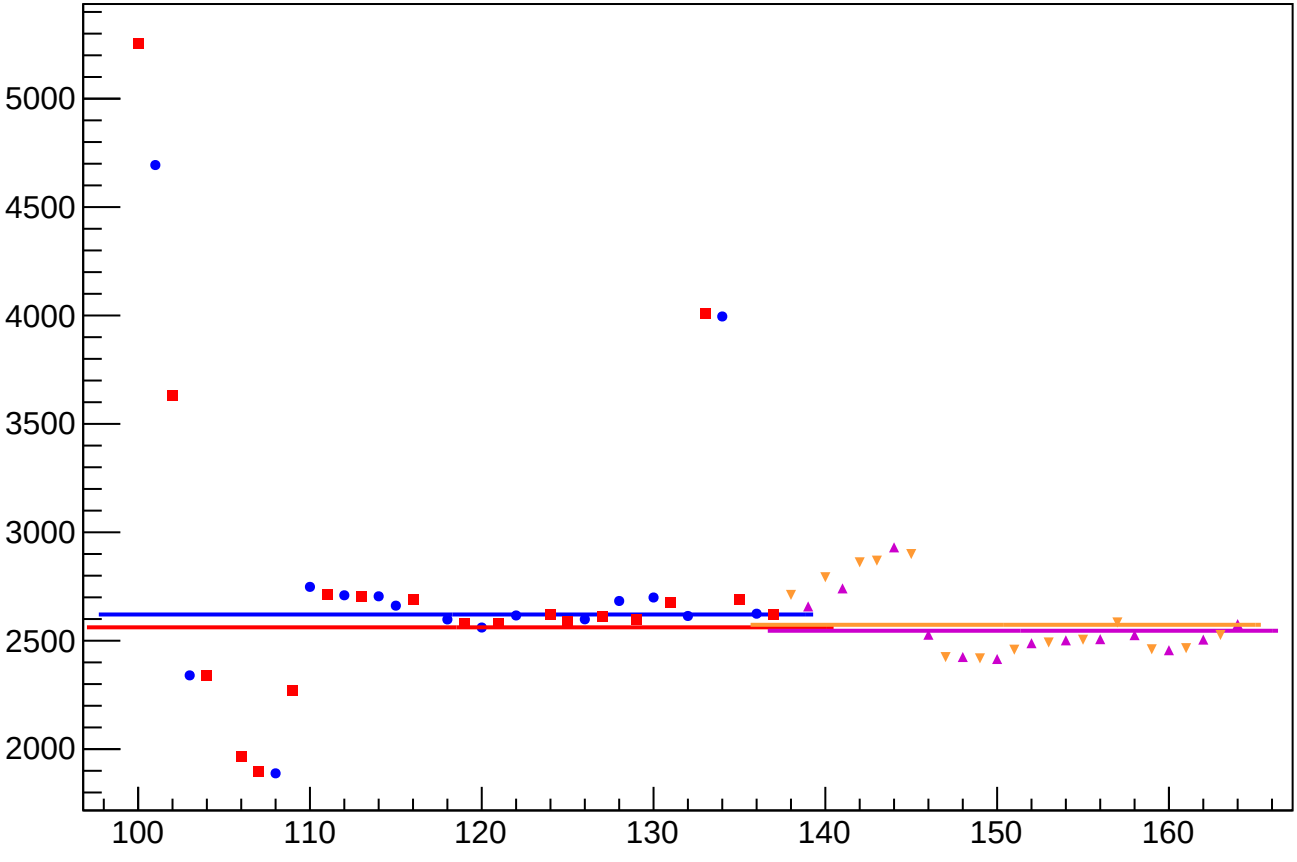
Left In: -3994.375+/-769.727 χ^2/NDF:7.8/12

+ sign 1452.868+/-607.958 χ^2/NDF: 32.9/29

All: -1021.170+/-427.770 χ^2/NDF: 92.5/61

- 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: 2573.440+/-0.545 χ^2/NDF:88423.8/13

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

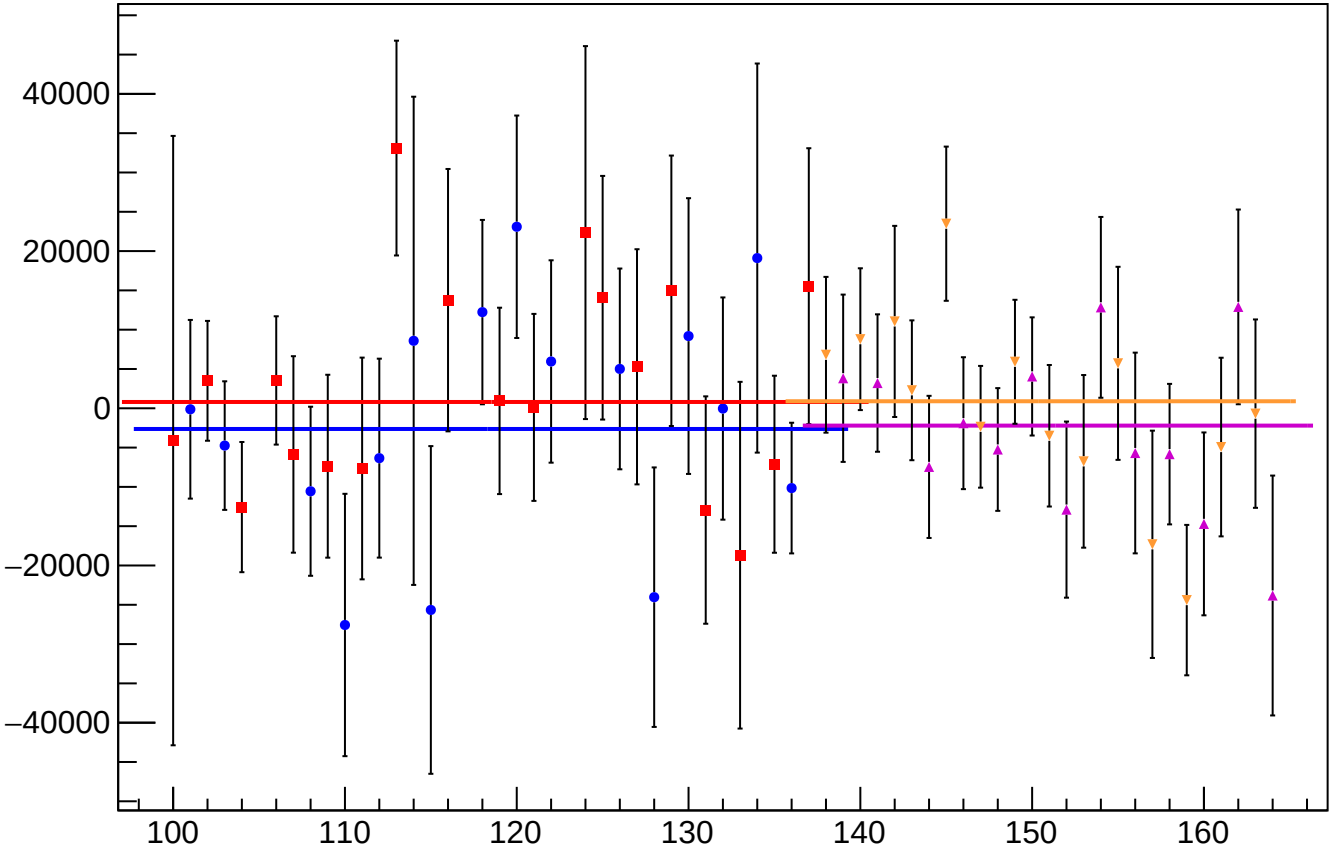
Left In: 2545.930+/-0.544 χ^2/NDF:57336.6/12

+ sign 2591.342+/-0.430 χ^2/NDF: 577207.4/29

All: 2571.506+/-0.302 χ^2/NDF: 1017346.3/61

- 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: 894.478+/-2647.271 χ^2/NDF:17.5/13

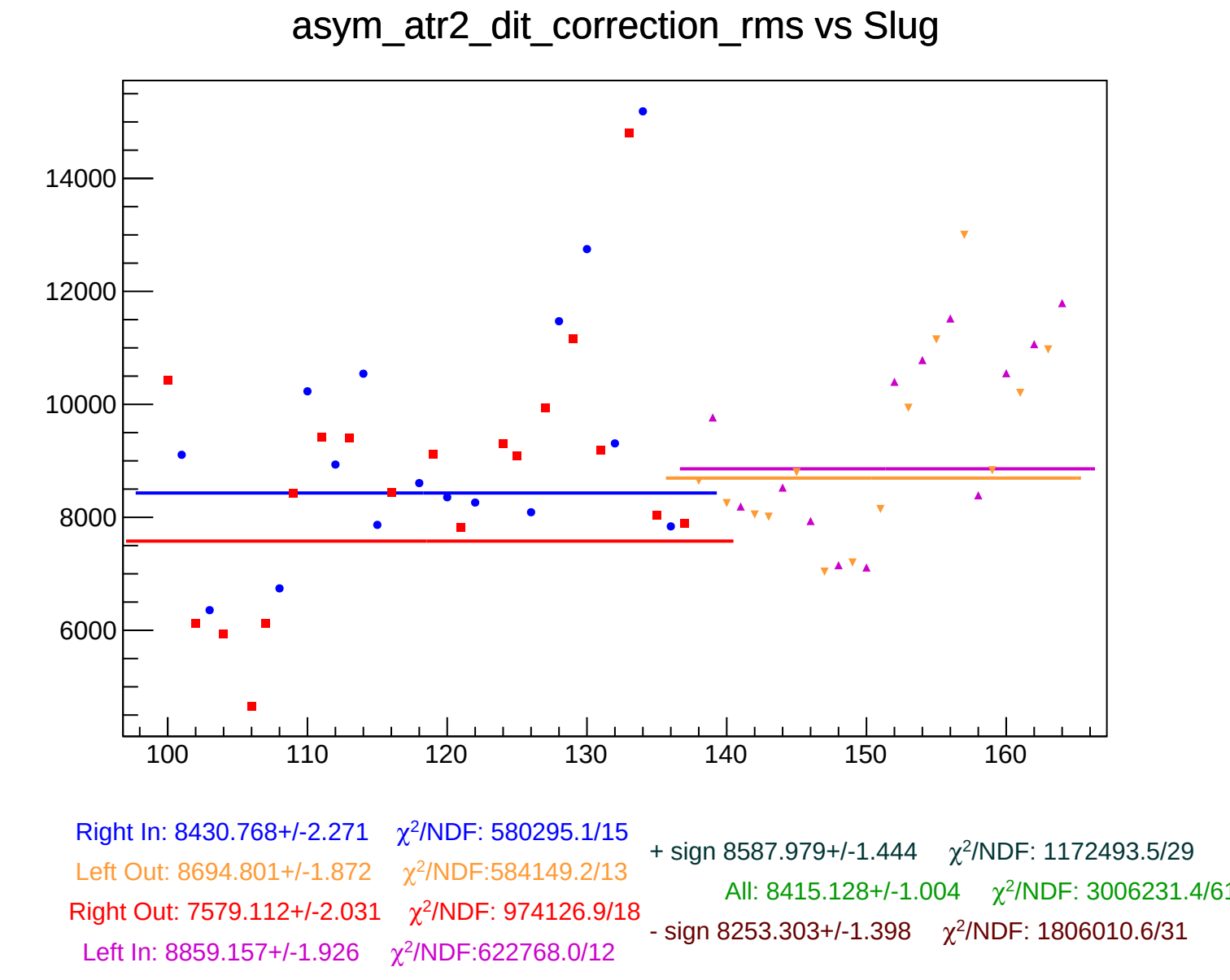
Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -2203.669+/-2723.445 χ^2/NDF:9.4/12

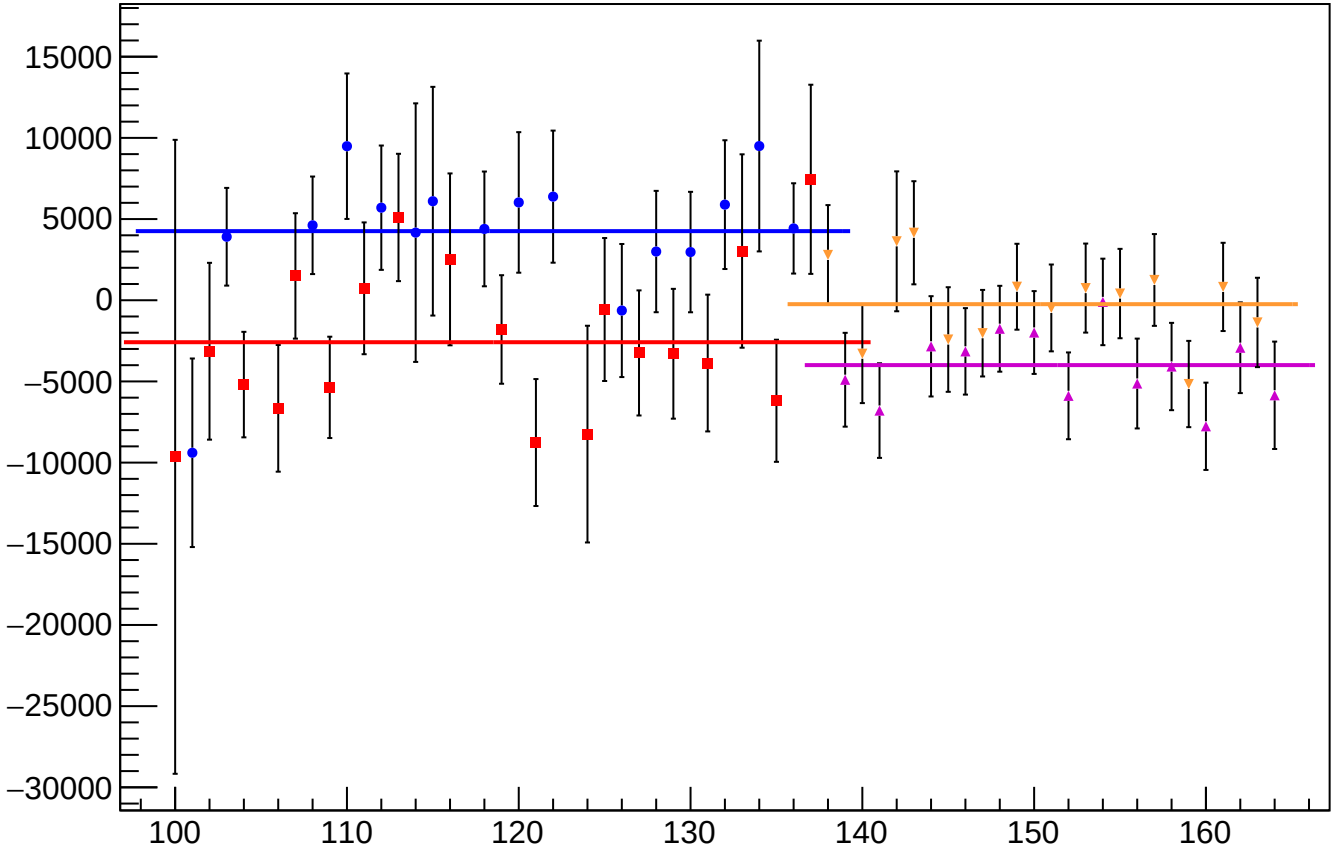
+ sign -532.229+/-2042.728 χ^2/NDF: 32.0/29

All: -660.531+/-1420.434 χ^2/NDF: 57.4/61

- sign -780.647+/-1976.502 χ^2/NDF: 25.4/31


asym_atr2_dit_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8694.801+/-1.872 χ²/NDF:584149.2/13
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8859.157+/-1.926 χ²/NDF:622768.0/12
+ sign 8587.979+/-1.444 χ²/NDF: 1172493.5/29
All: 8415.128+/-1.004 χ²/NDF: 3006231.4/61
- sign 8253.303+/-1.398 χ²/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: -241.896+/-770.065 χ^2/NDF:10.0/13

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

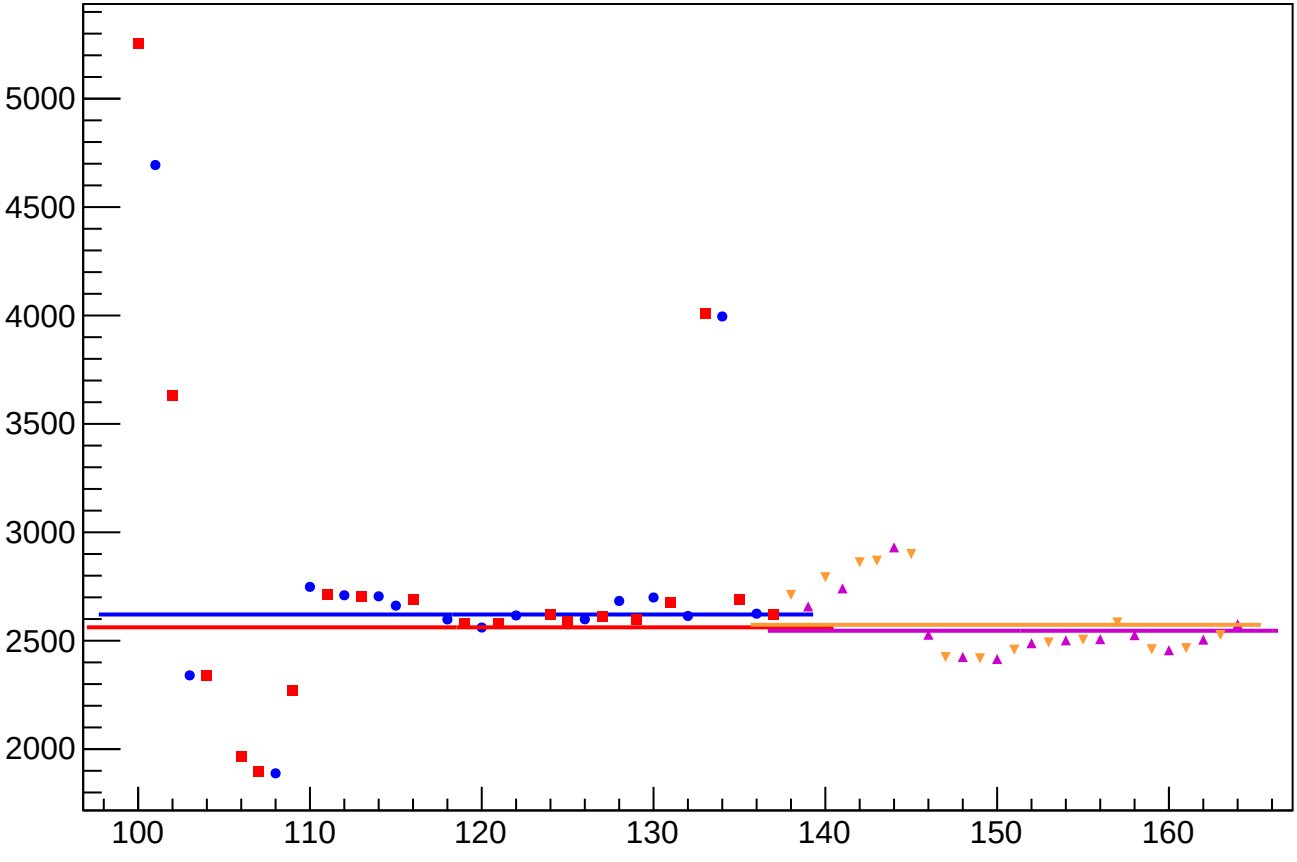
Left In: -3994.379+/-769.728 χ^2/NDF:7.8/12

+ sign 1452.859+/-607.959 χ^2/NDF: 32.9/29

All: -1021.177+/-427.770 χ^2/NDF: 92.5/61

- 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: 2573.443+/-0.545 χ^2/NDF:88423.6/13

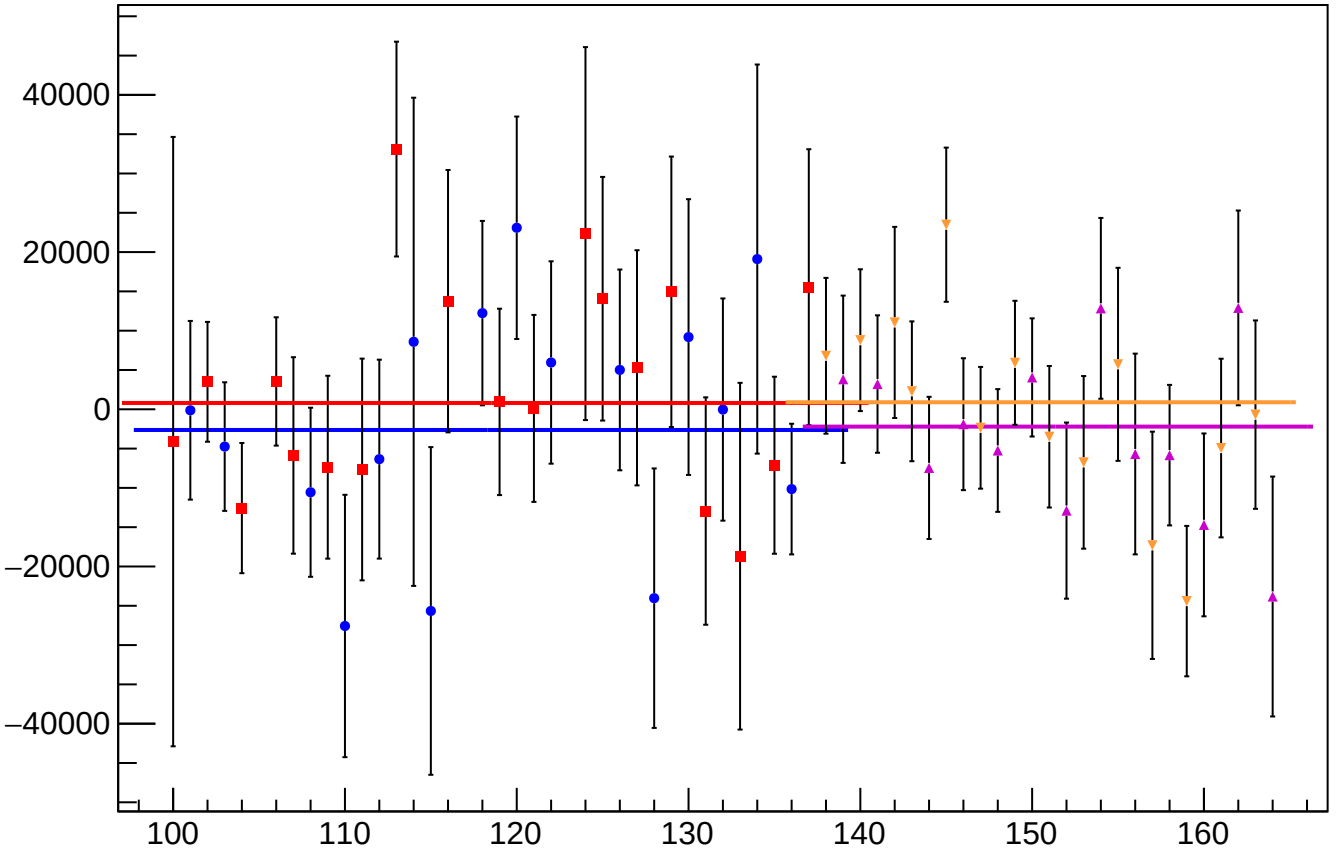
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2545.933+/-0.544 χ^2/NDF:57336.3/12

+ sign 2591.344+/-0.430 χ^2/NDF: 577207.0/29

All: 2571.507+/-0.302 χ^2/NDF: 1017344.8/61

- sign 2552.067+/-0.426 χ^2/NDF: 435922.0/31



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 894.469+/-2647.275 χ^2/NDF:17.5/13

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

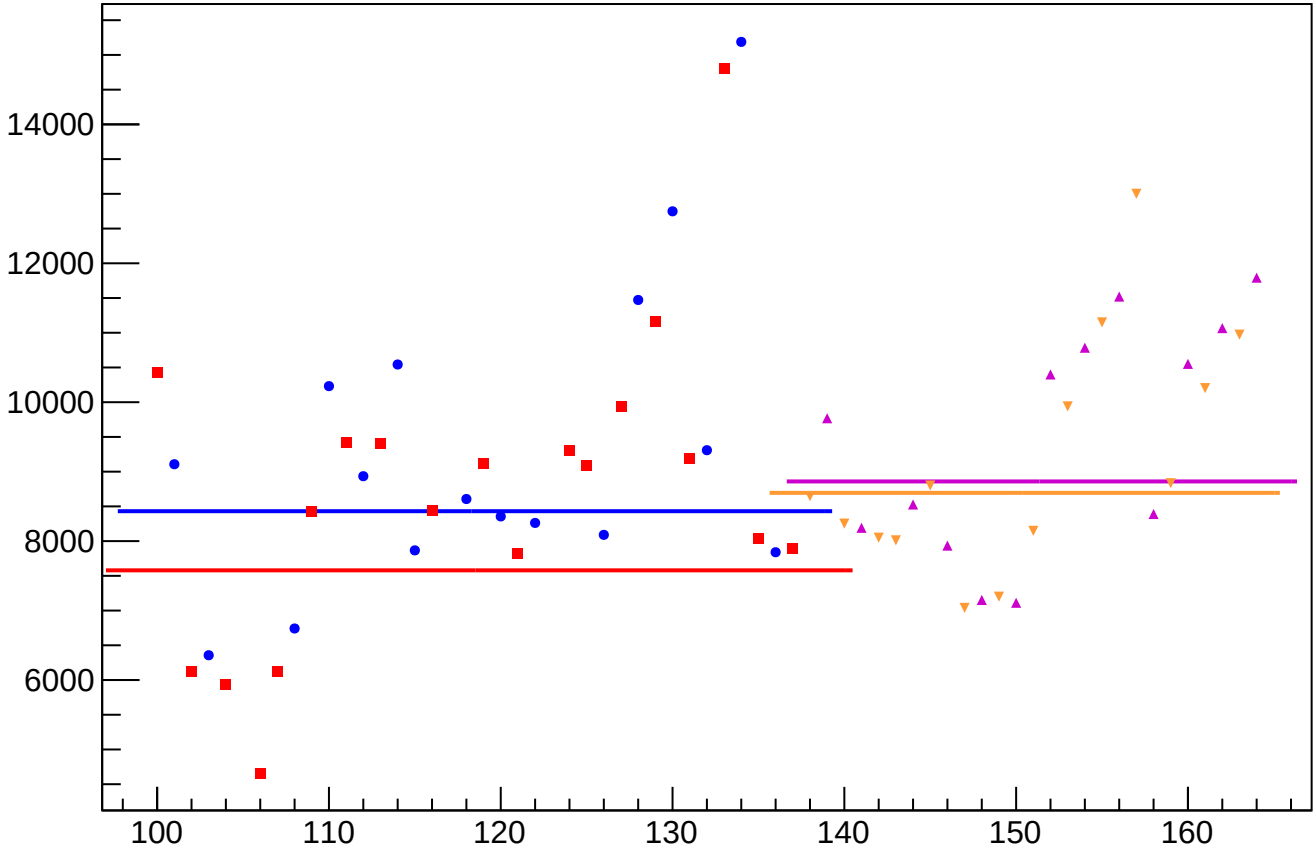
Left In: -2203.664+/-2723.450 χ^2/NDF:9.4/12

+ sign -532.226+/-2042.728 χ^2/NDF: 32.0/29

All: -660.526+/-1420.434 χ^2/NDF: 57.4/61

- 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: 8694.814+/-1.872 χ^2/NDF:584149.4/13

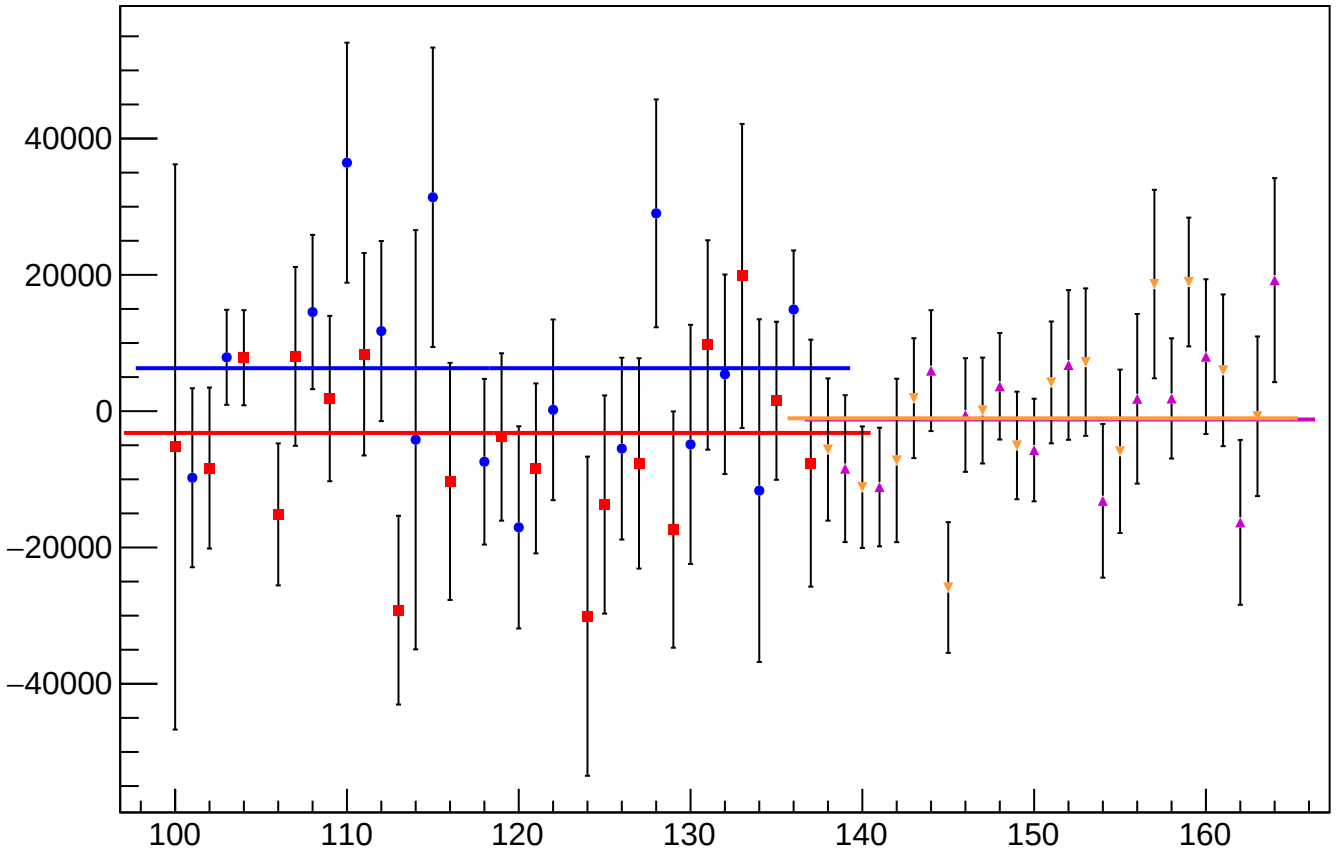
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8859.171+/-1.926 χ^2/NDF:622768.1/12

+ sign 8587.982+/-1.444 χ^2/NDF: 1172489.4/29

All: 8415.129+/-1.004 χ^2/NDF: 3006232.4/61

- sign 8253.302+/-1.398 χ^2/NDF: 1806015.2/31



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1045.318+/-2626.525 χ^2/NDF:16.8/13

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

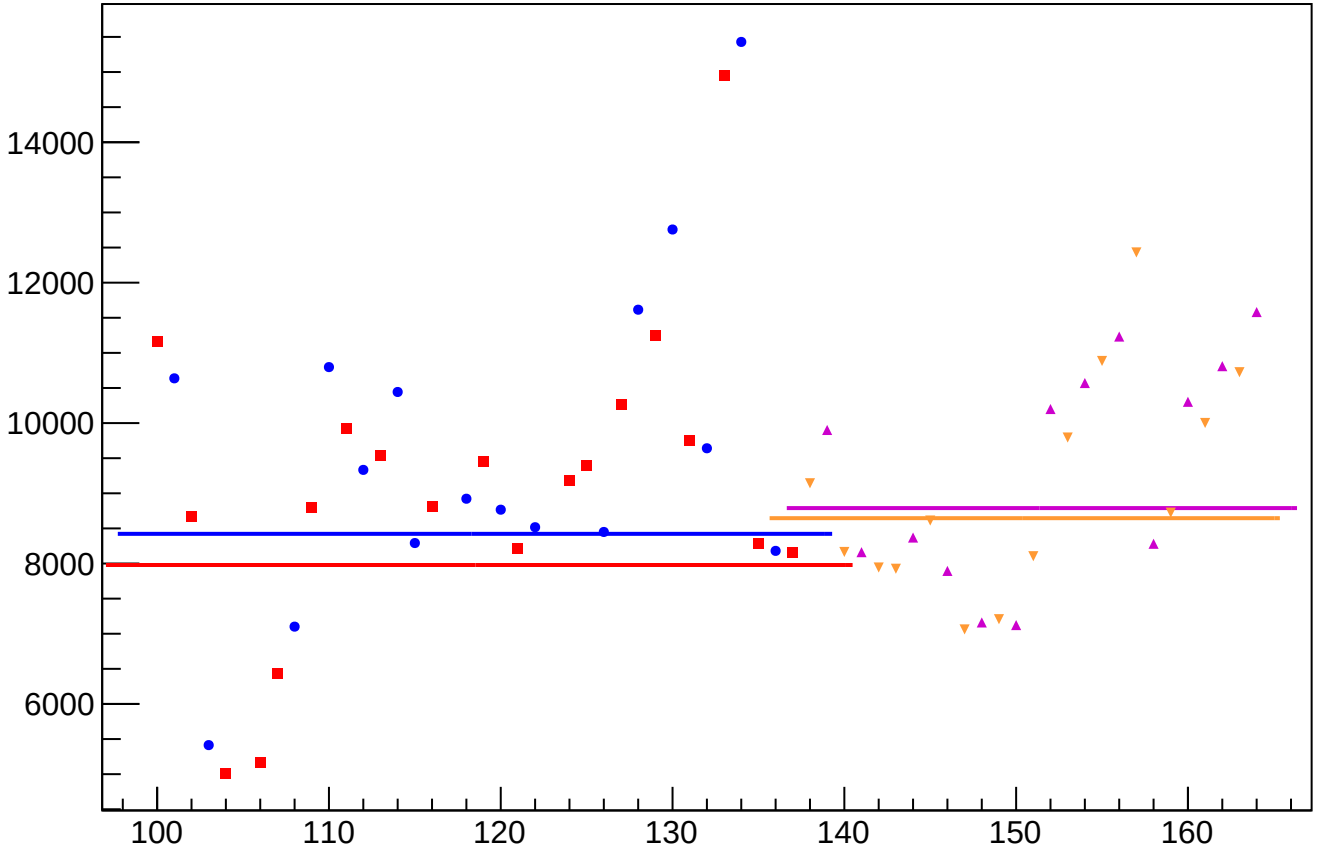
Left In: -1219.826+/-2697.141 χ^2/NDF:9.1/12

+ sign 1870.646+/-2040.249 χ^2/NDF: 35.0/29

All: -117.768+/-1437.556 χ^2/NDF: 60.1/61

- 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: 8645.777+/-1.857 χ^2/NDF:522780.0/13

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

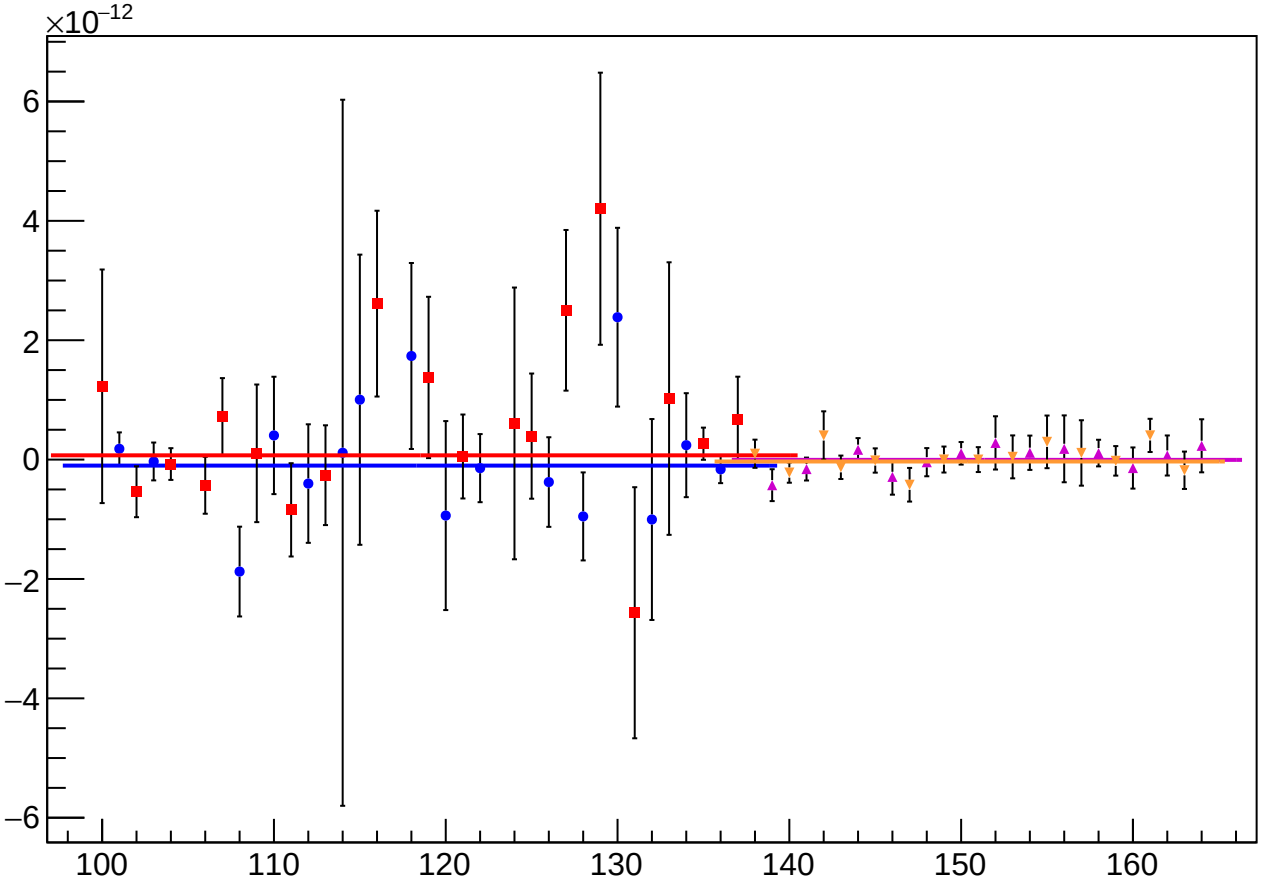
Left In: 8789.464+/-1.907 χ^2/NDF:571767.5/12

+ sign 8557.311+/-1.443 χ^2/NDF: 1410334.7/29

All: 8496.340+/-1.017 χ^2/NDF: 3080377.2/61

- 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:8.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

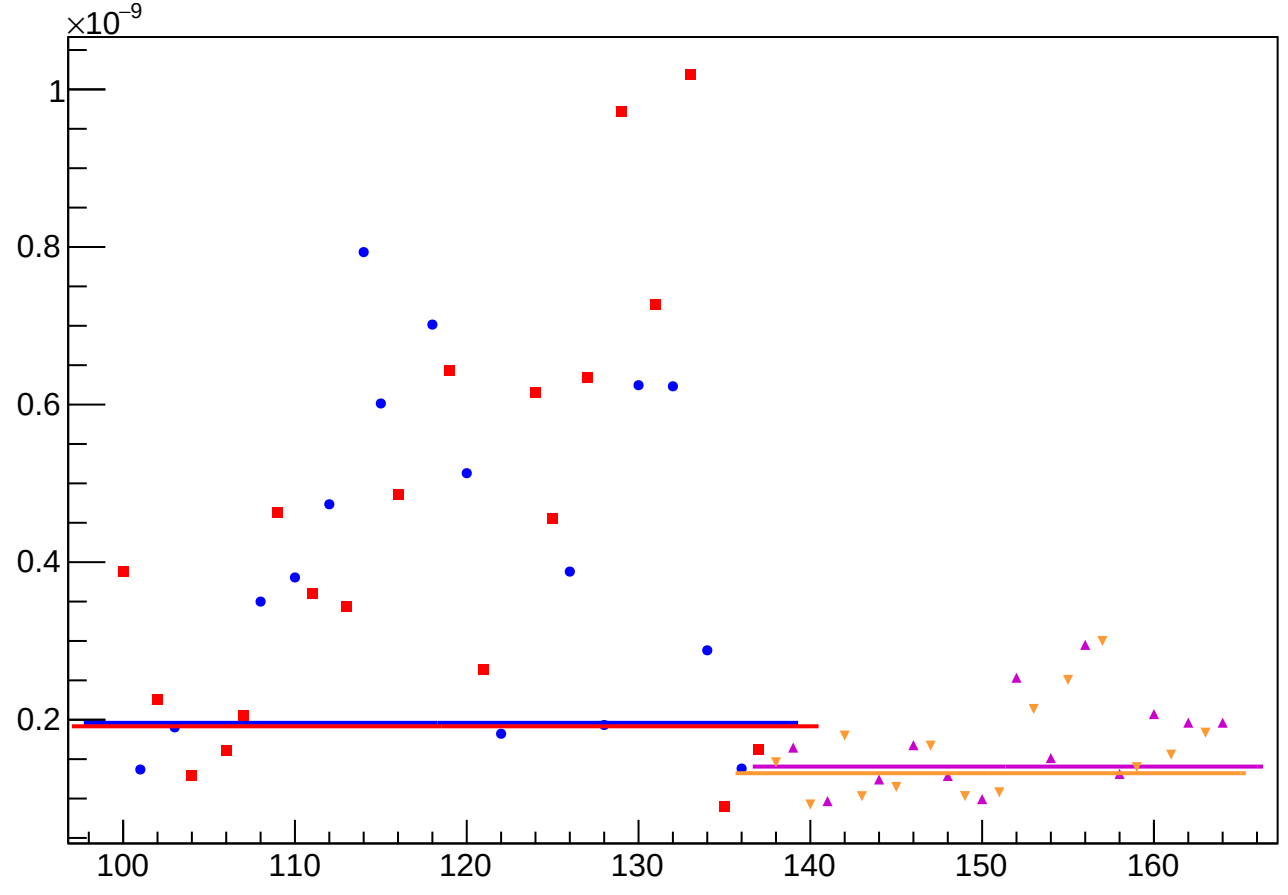
Left In: -0.000+/-0.000 χ^2/NDF:6.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/29

All: -0.000+/-0.000 χ^2/NDF: 49.0/61

- 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:800924.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

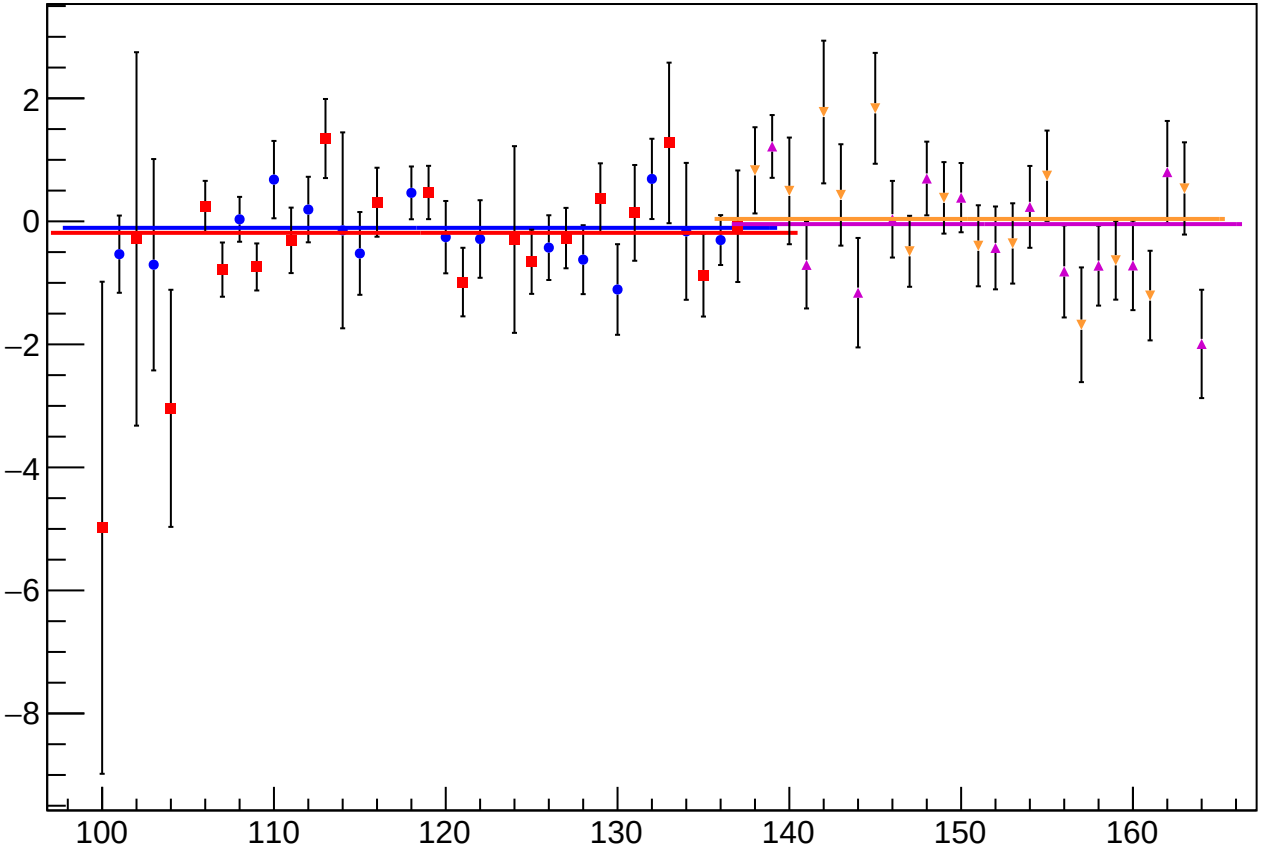
Left In: 0.000+/-0.000 χ^2/NDF:699353.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 2505483.1/29

All: 0.000+/-0.000 χ^2/NDF: 5493773.0/61

- 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: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

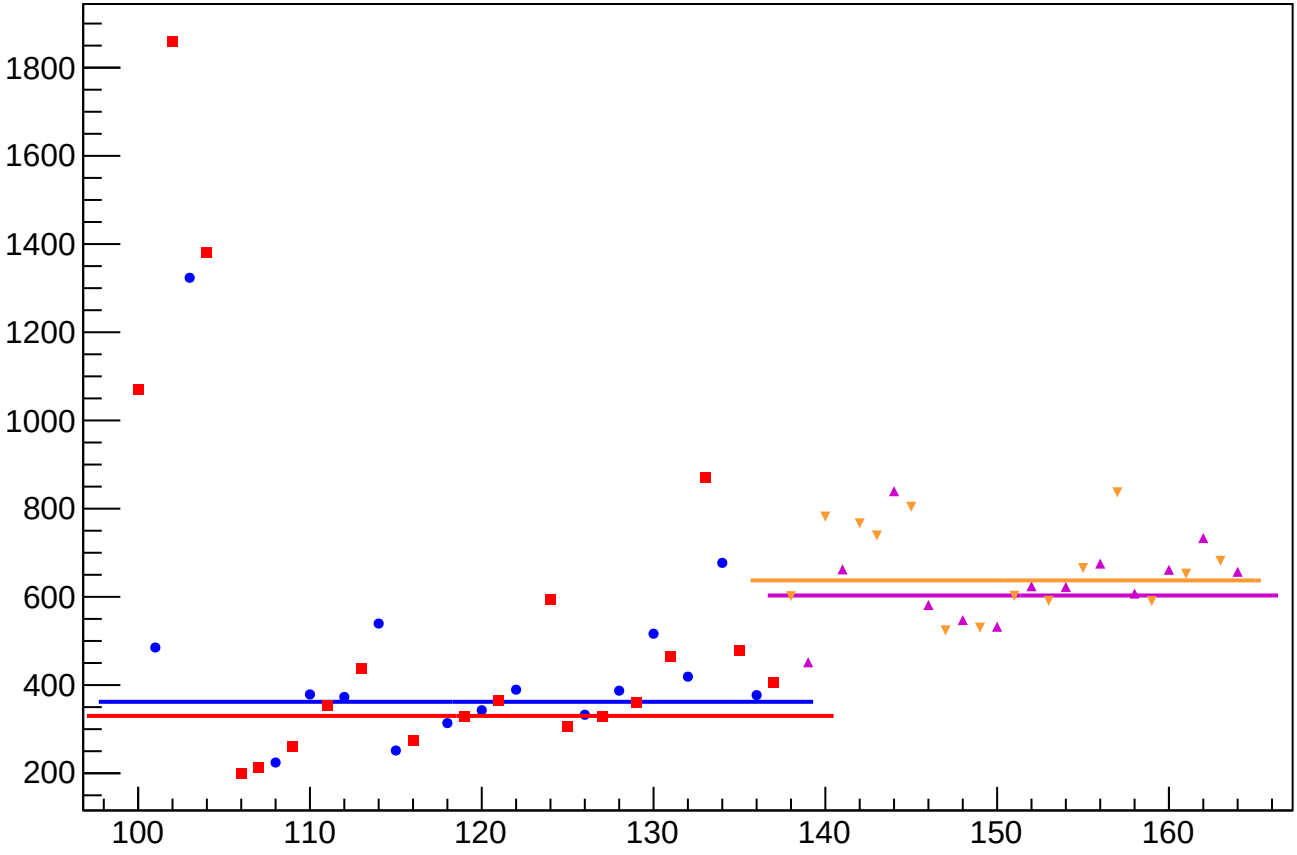
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.097+/-0.080 χ^2/NDF: 73.5/61

- 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: 637.281+/-0.137 χ^2/NDF:458762.8/13

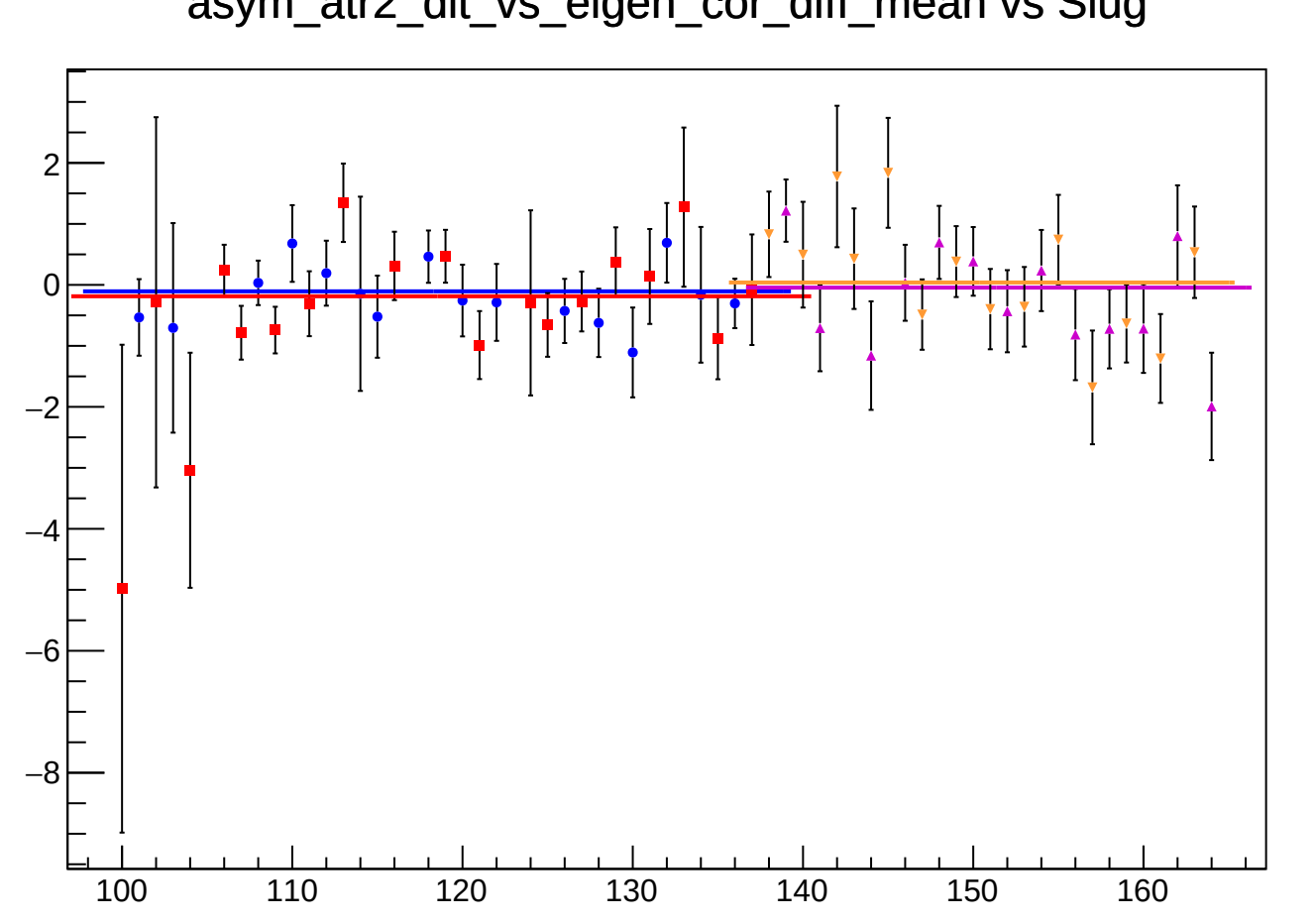
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

+ sign 460.355+/-0.082 χ^2/NDF: 4421535.1/29

All: 442.551+/-0.057 χ^2/NDF: 10017132.8/61

- 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: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

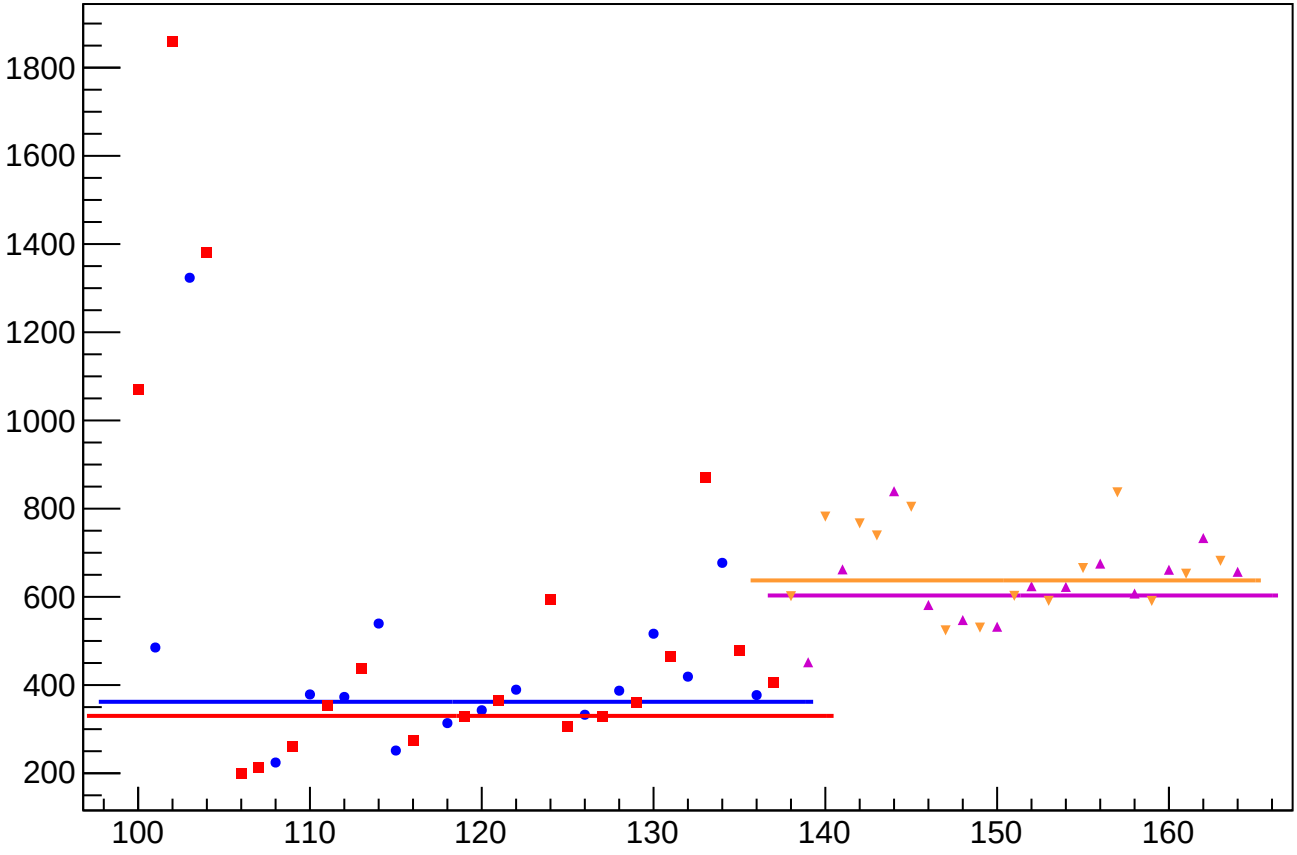
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.097+/-0.080 χ^2/NDF: 73.5/61

- 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: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

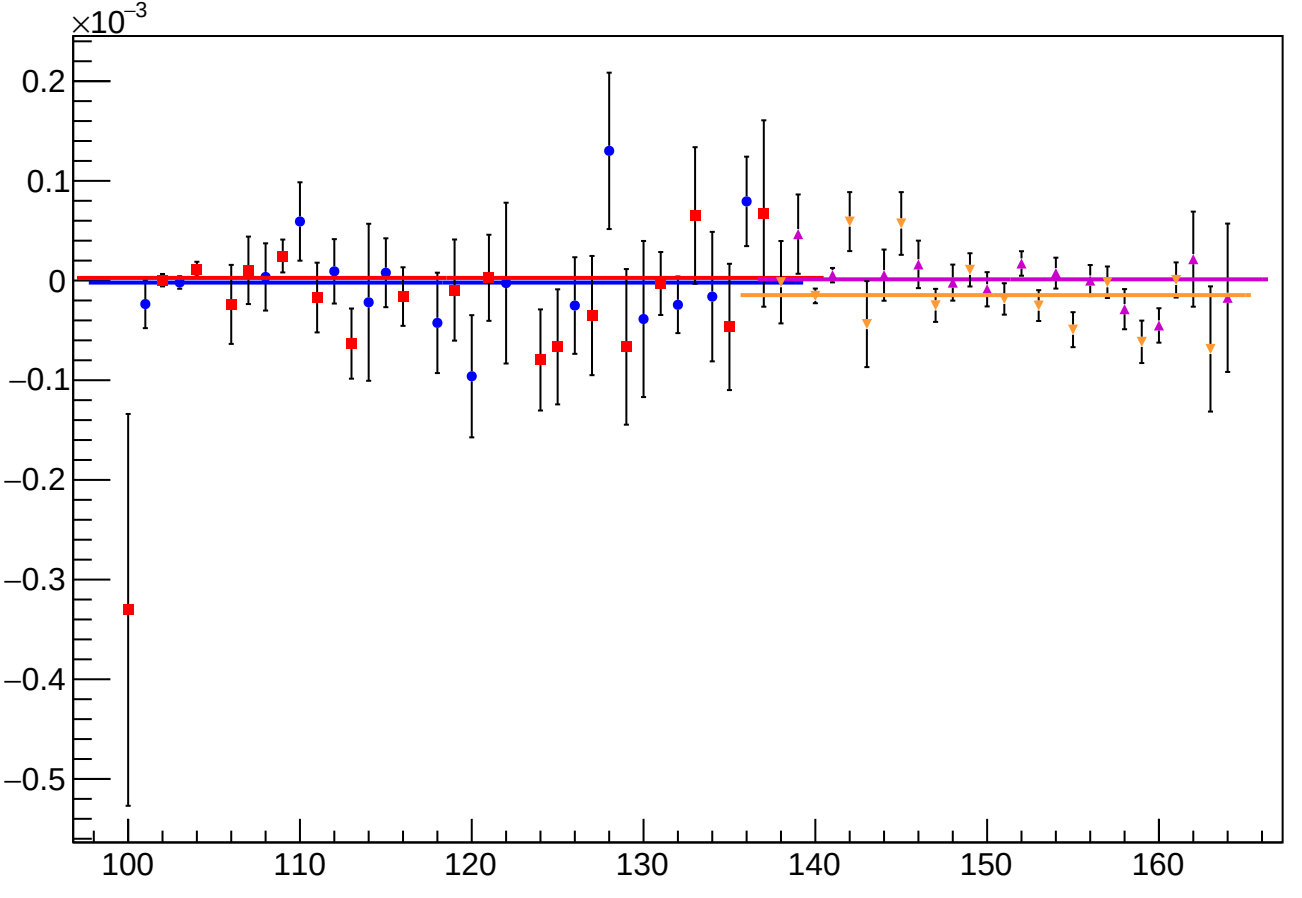
Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

+ sign 460.355+/-0.082 χ^2/NDF: 4421535.1/29

All: 442.551+/-0.057 χ^2/NDF: 10017132.8/61

- 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:26.1/13

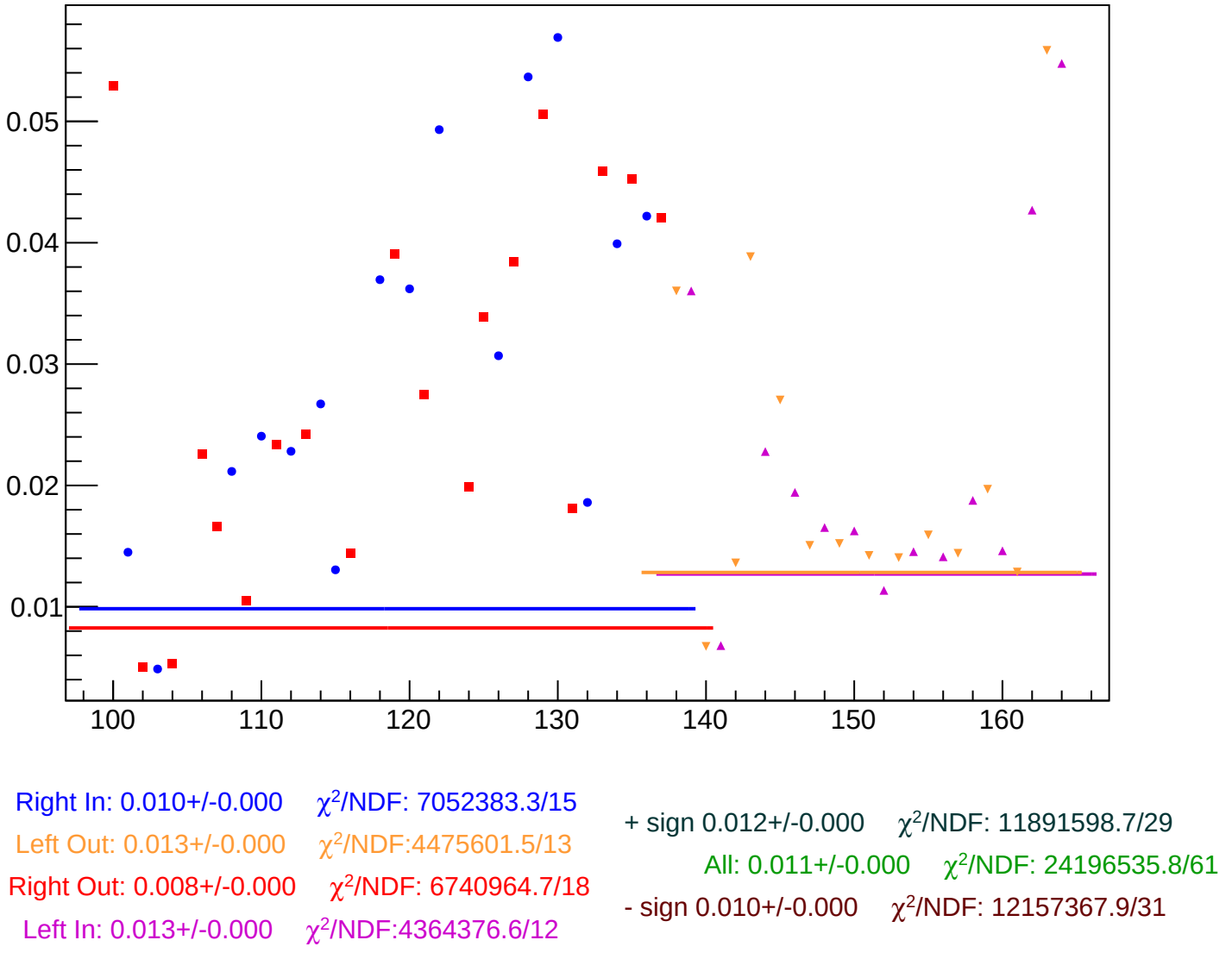
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

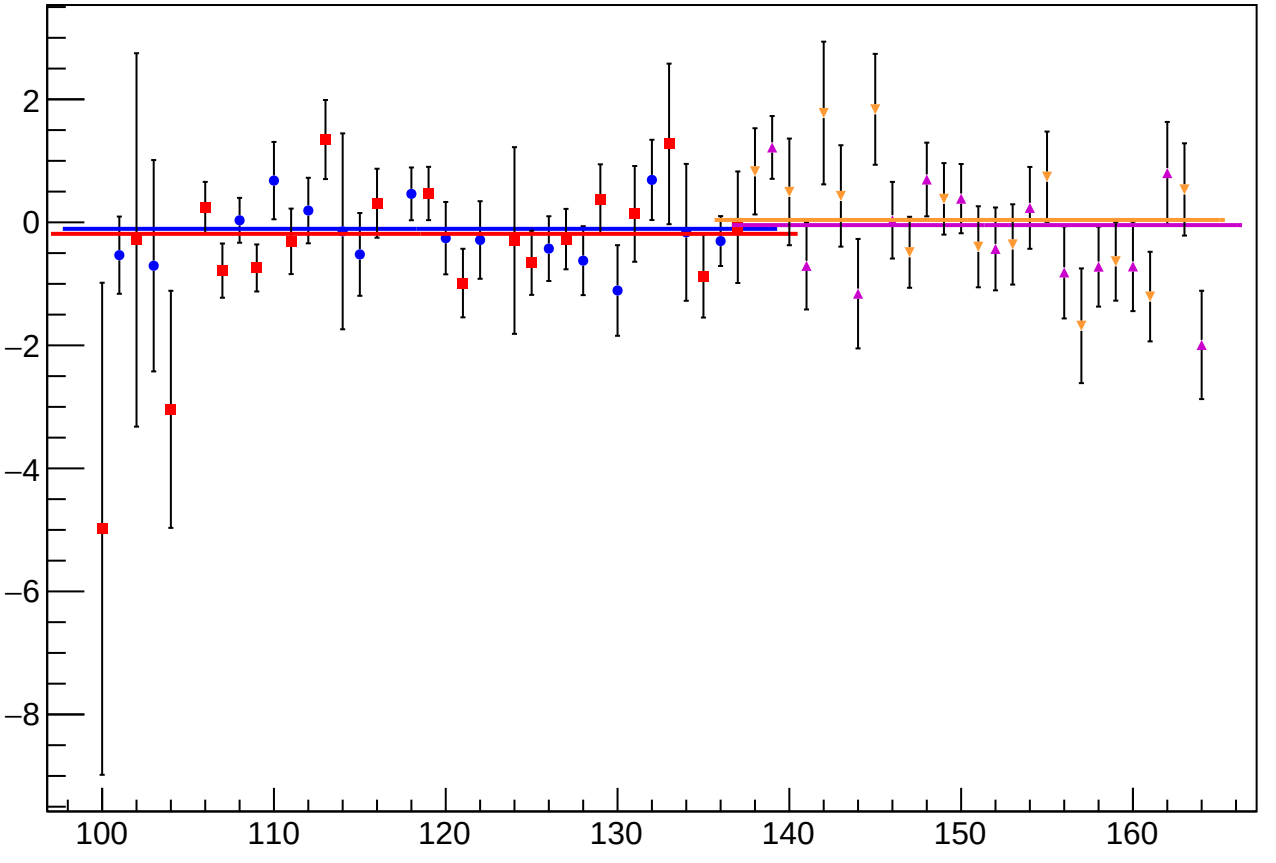
+ sign -0.000+/-0.000 χ^2/NDF: 43.1/29

All: -0.000+/-0.000 χ^2/NDF: 81.5/61

- sign 0.000+/-0.000 χ^2/NDF: 32.2/31


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.013+/-0.000 χ²/NDF:4475601.5/13
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.013+/-0.000 χ²/NDF:4364376.6/12
+ sign 0.012+/-0.000 χ²/NDF: 11891598.7/29
All: 0.011+/-0.000 χ²/NDF: 24196535.8/61
- sign 0.010+/-0.000 χ²/NDF: 12157367.9/31

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

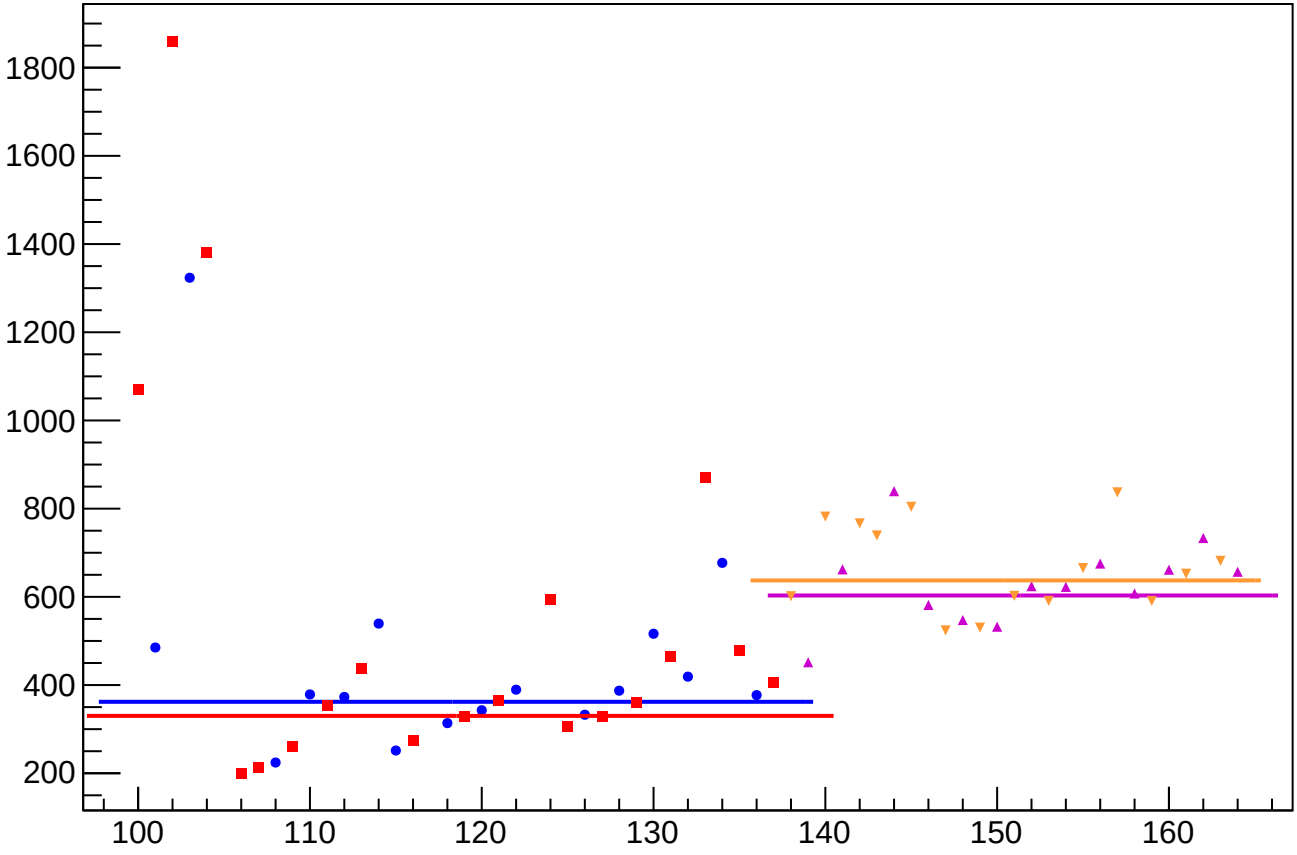
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.097+/-0.080 χ^2/NDF: 73.5/61

- 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: 637.291+/-0.137 χ^2/NDF:458751.2/13

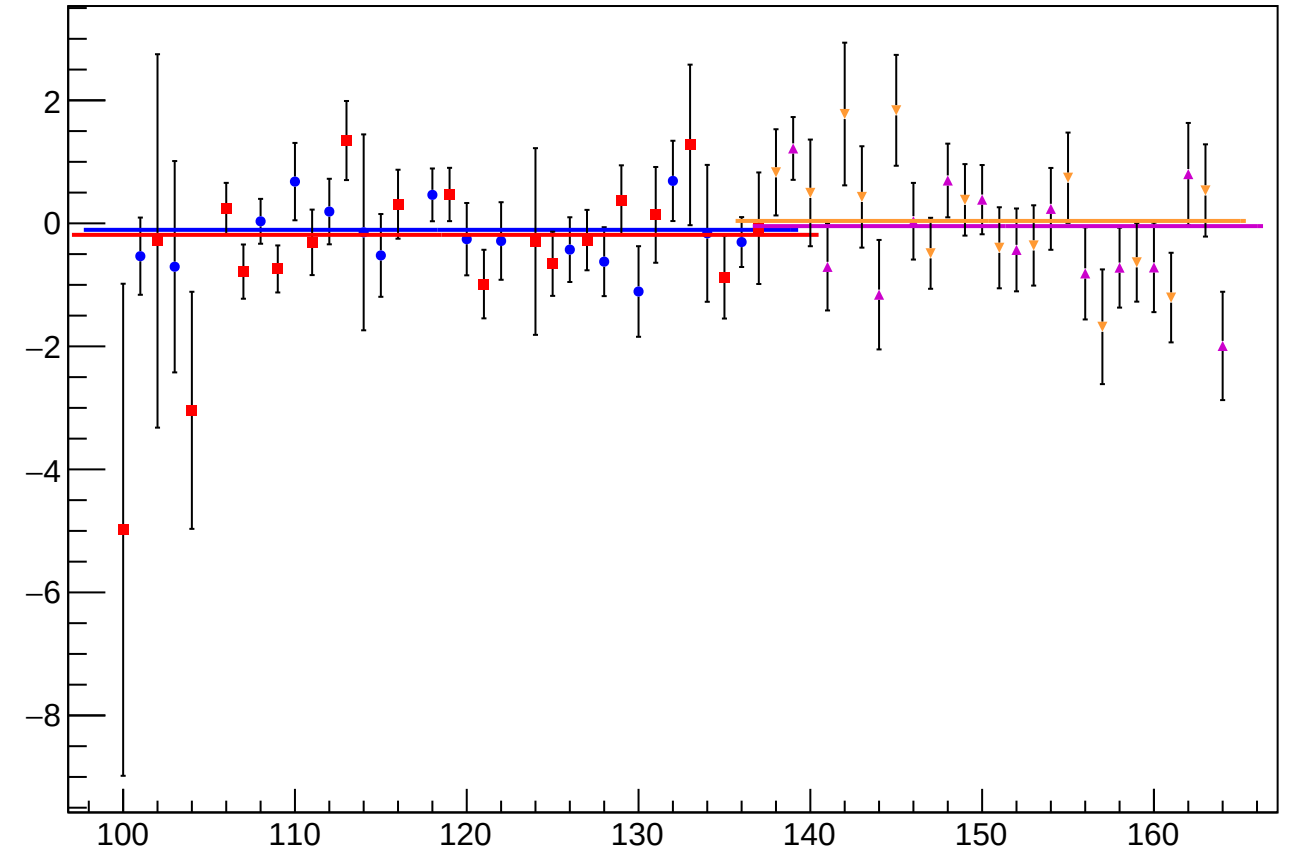
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

+ sign 460.354+/-0.082 χ^2/NDF: 4421729.1/29

All: 442.551+/-0.057 χ^2/NDF: 10017472.3/61

- 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: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

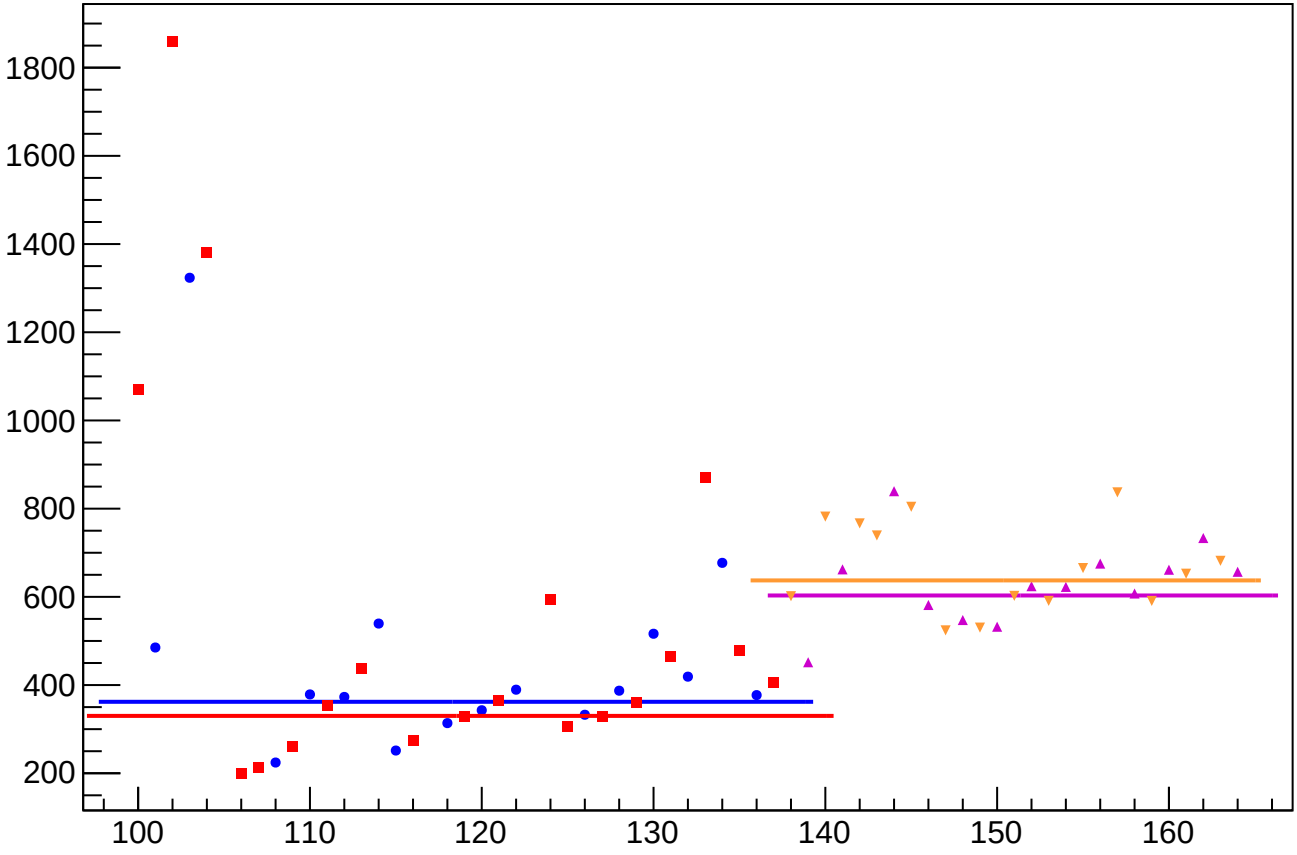
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.097+/-0.080 χ^2/NDF: 73.5/61

- 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: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

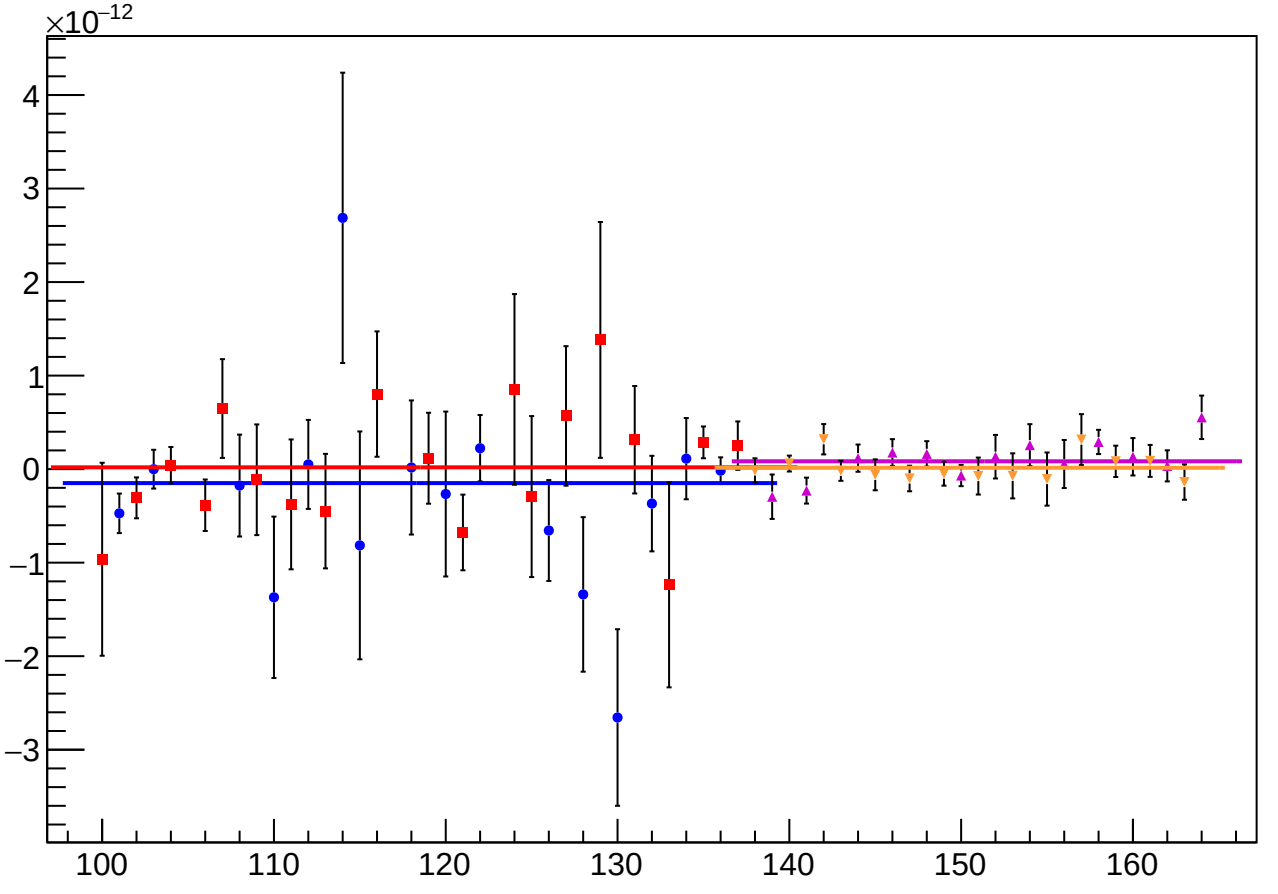
Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

+ sign 460.354+/-0.082 χ^2/NDF: 4421729.1/29

All: 442.551+/-0.057 χ^2/NDF: 10017472.3/61

- 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:7.9/13

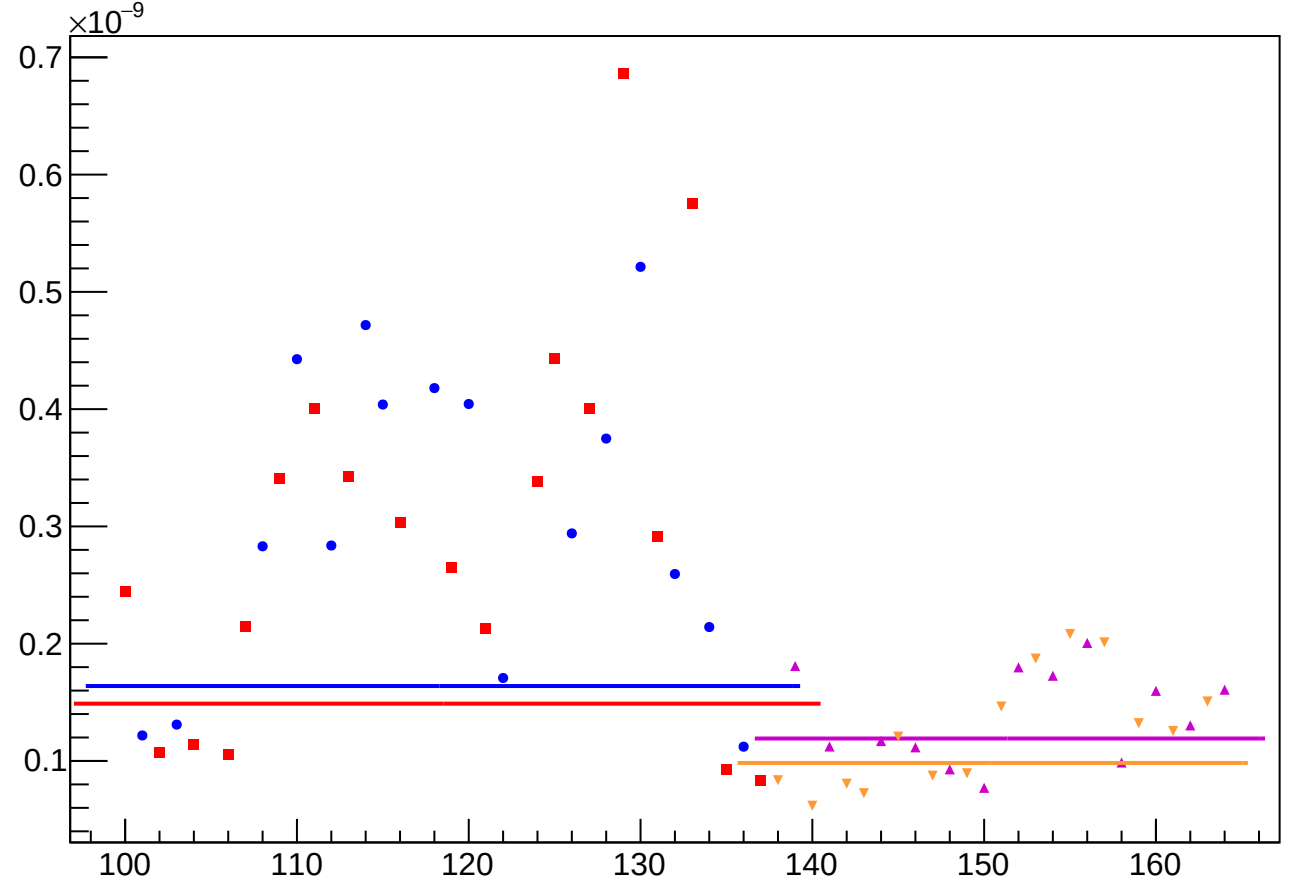
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/29

All: 0.000+/-0.000 χ^2/NDF: 72.0/61

- sign 0.000+/-0.000 χ^2/NDF: 37.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1854094.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

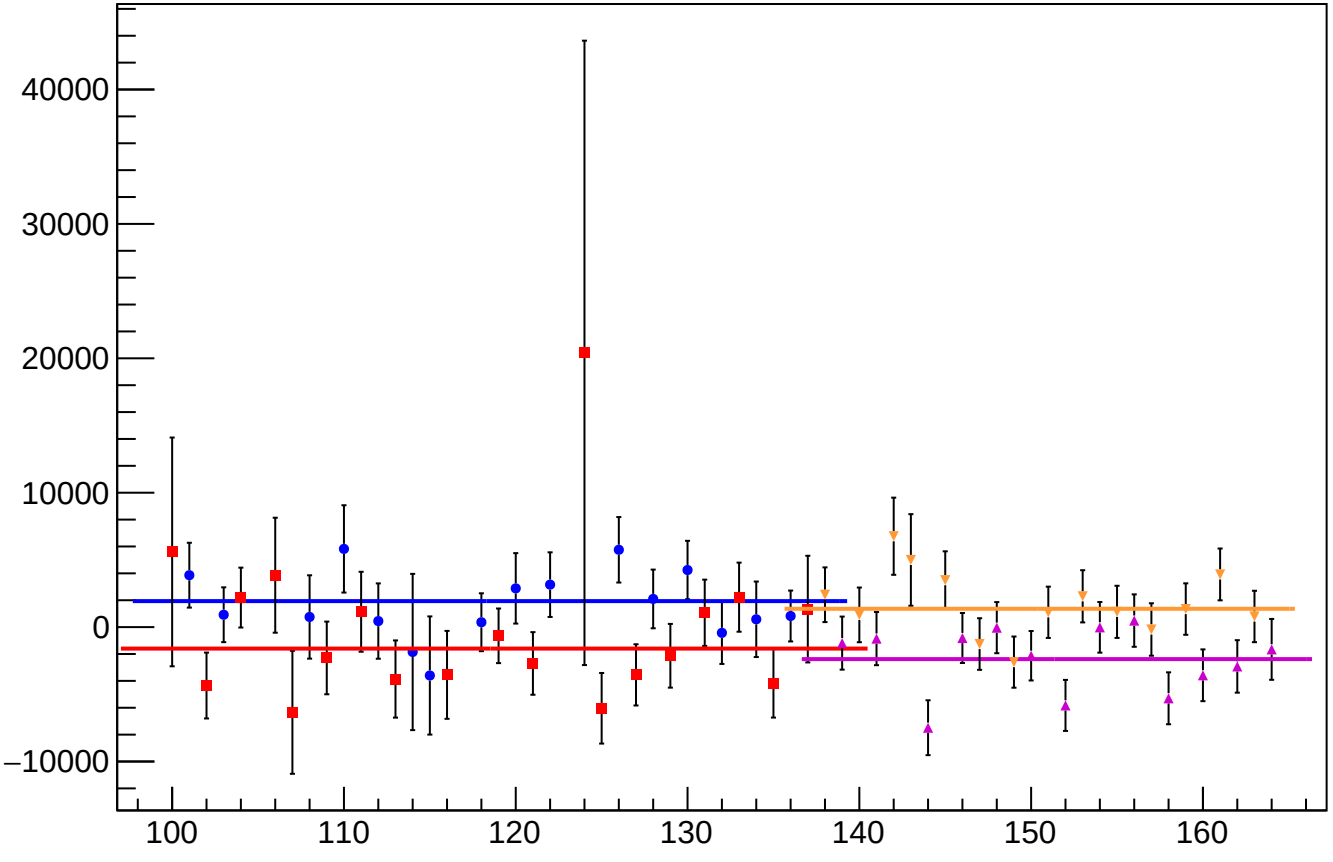
Left In: 0.000+/-0.000 χ^2/NDF:1151289.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4801993.4/29

All: 0.000+/-0.000 χ^2/NDF: 9182260.2/61

- 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: 1363.892+/-547.341 χ^2/NDF:14.9/13

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

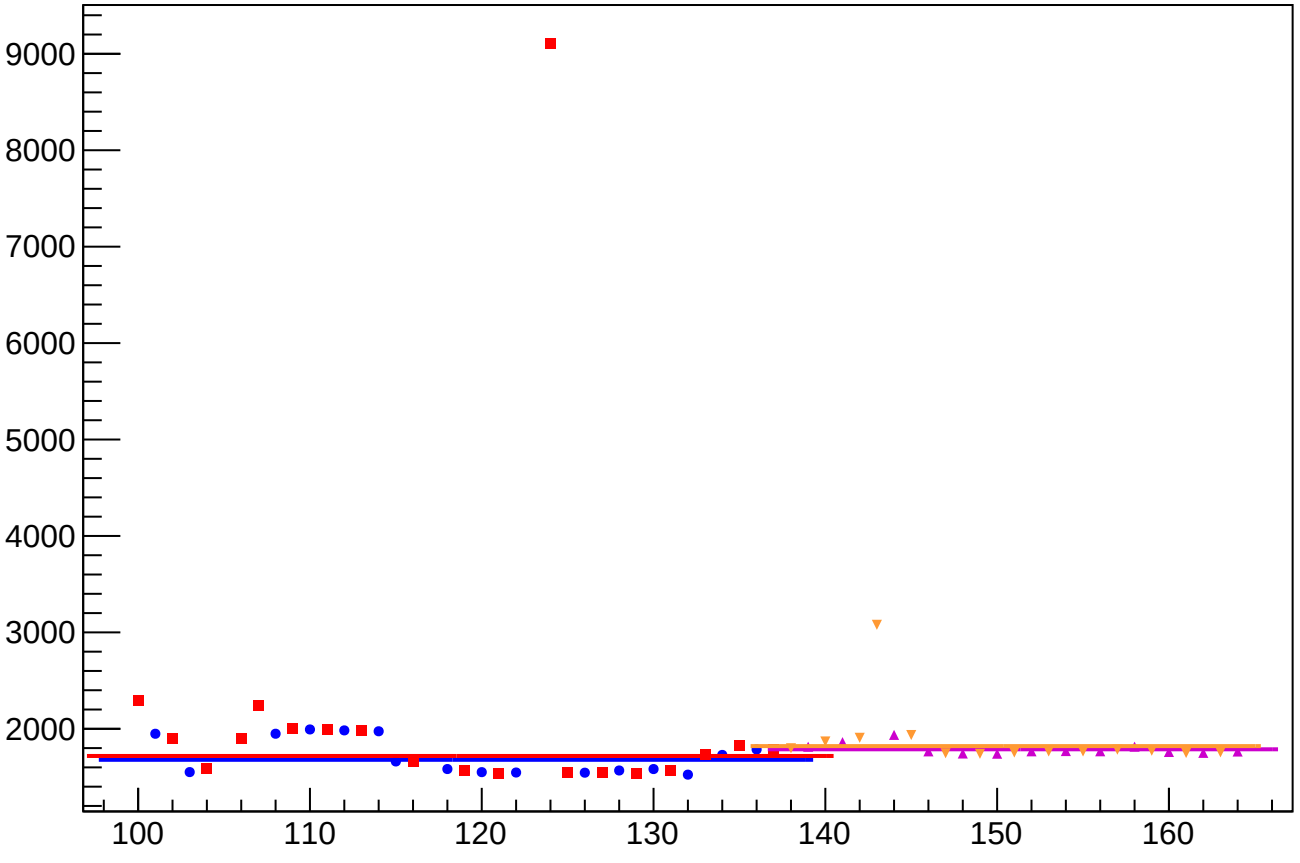
Left In: -2379.934+/-539.926 χ^2/NDF:19.3/12

+ sign 1610.387+/-412.583 χ^2/NDF: 26.3/29

All: -219.786+/-291.984 χ^2/NDF: 105.3/61

- 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: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

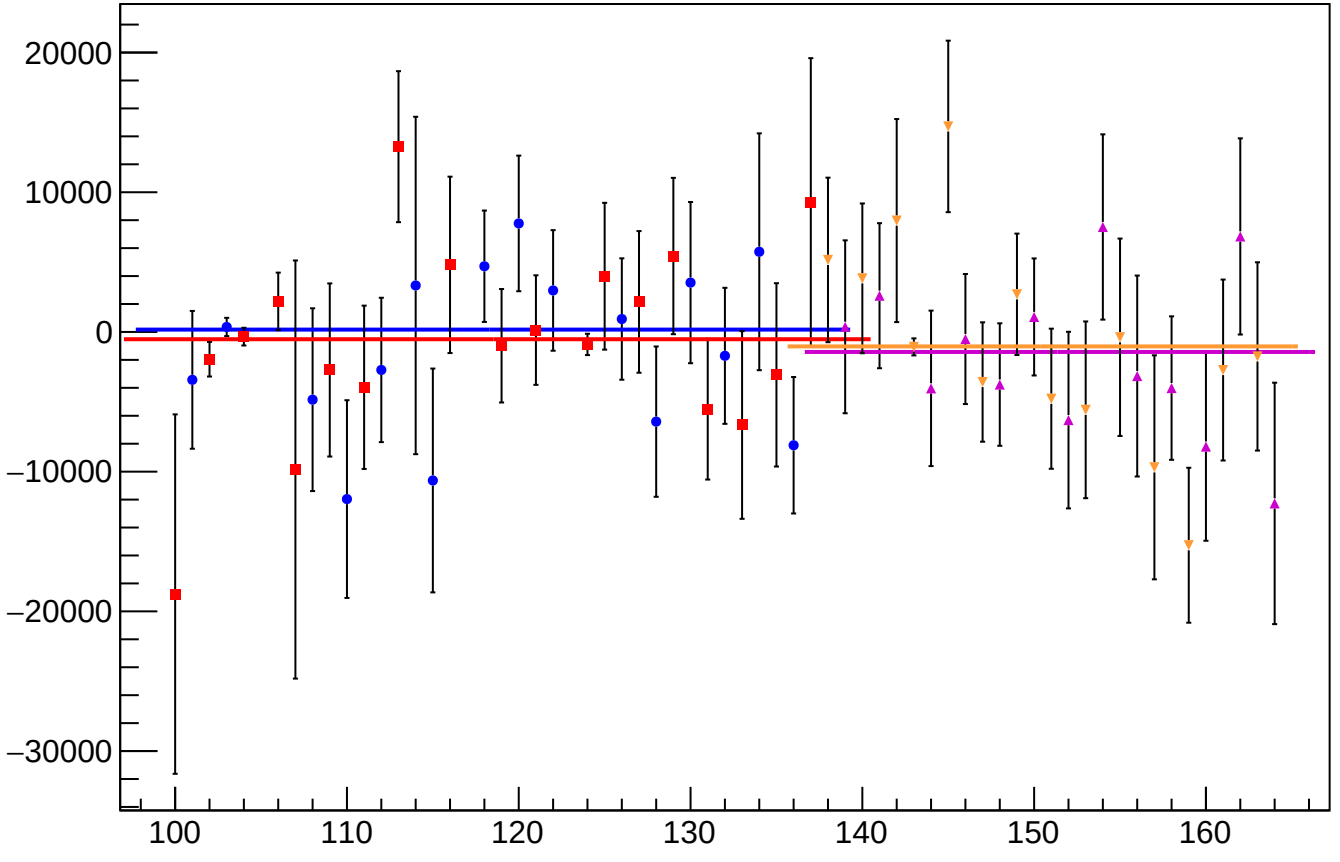
Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.2/29

All: 1758.966+/-0.206 χ^2/NDF: 916004.2/61

- sign 1758.660+/-0.292 χ^2/NDF: 415669.7/31

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1035.418+/-569.839 χ^2/NDF:20.1/13

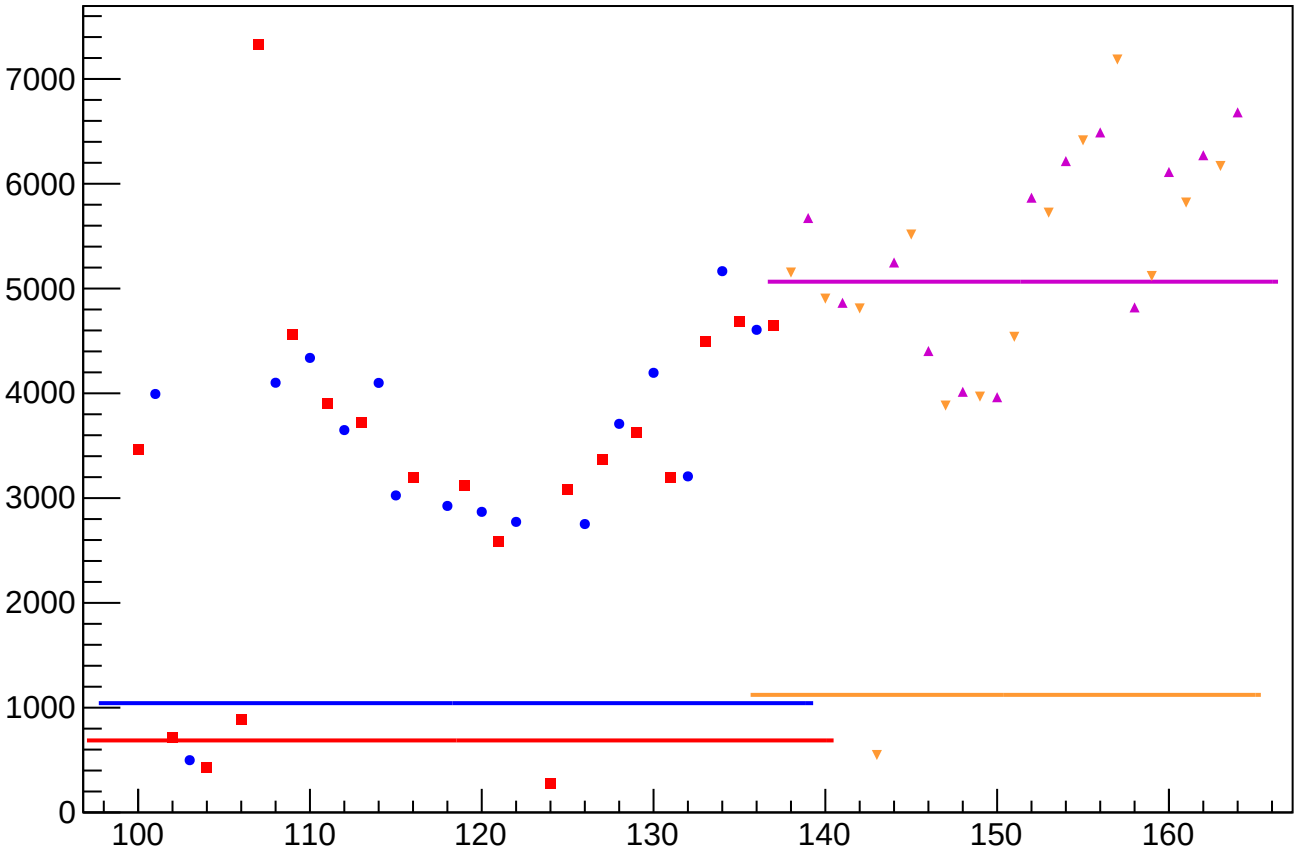
Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -1432.698+/-1559.031 χ^2/NDF:8.3/12

+ sign -456.119+/-410.417 χ^2/NDF: 38.0/29

All: -520.189+/-290.005 χ^2/NDF: 65.2/61

- sign -584.080+/-409.842 χ^2/NDF: 27.1/31



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1122.202+/-0.403 χ^2/NDF:14401323.0/13

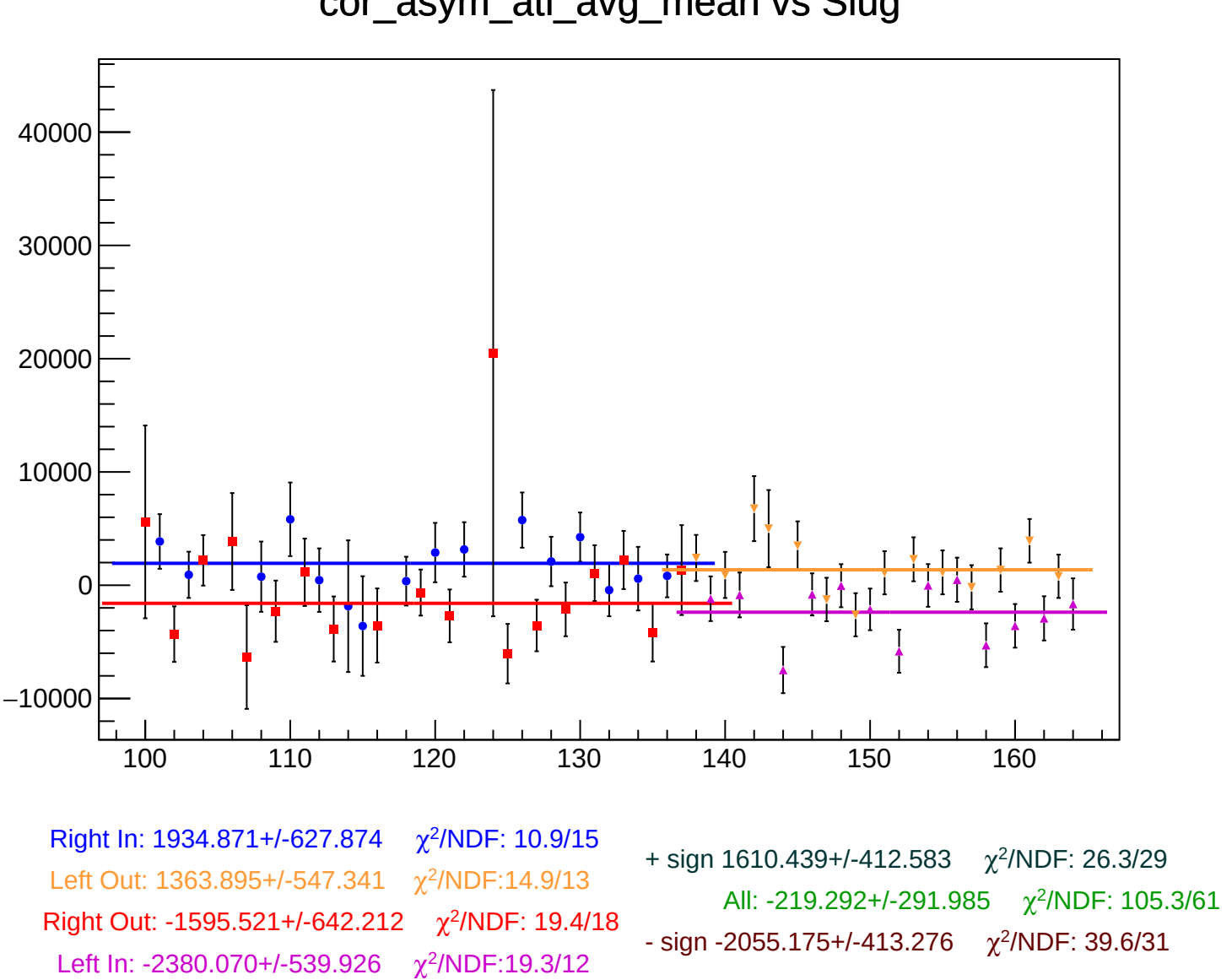
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5065.305+/-1.102 χ^2/NDF:671106.5/12

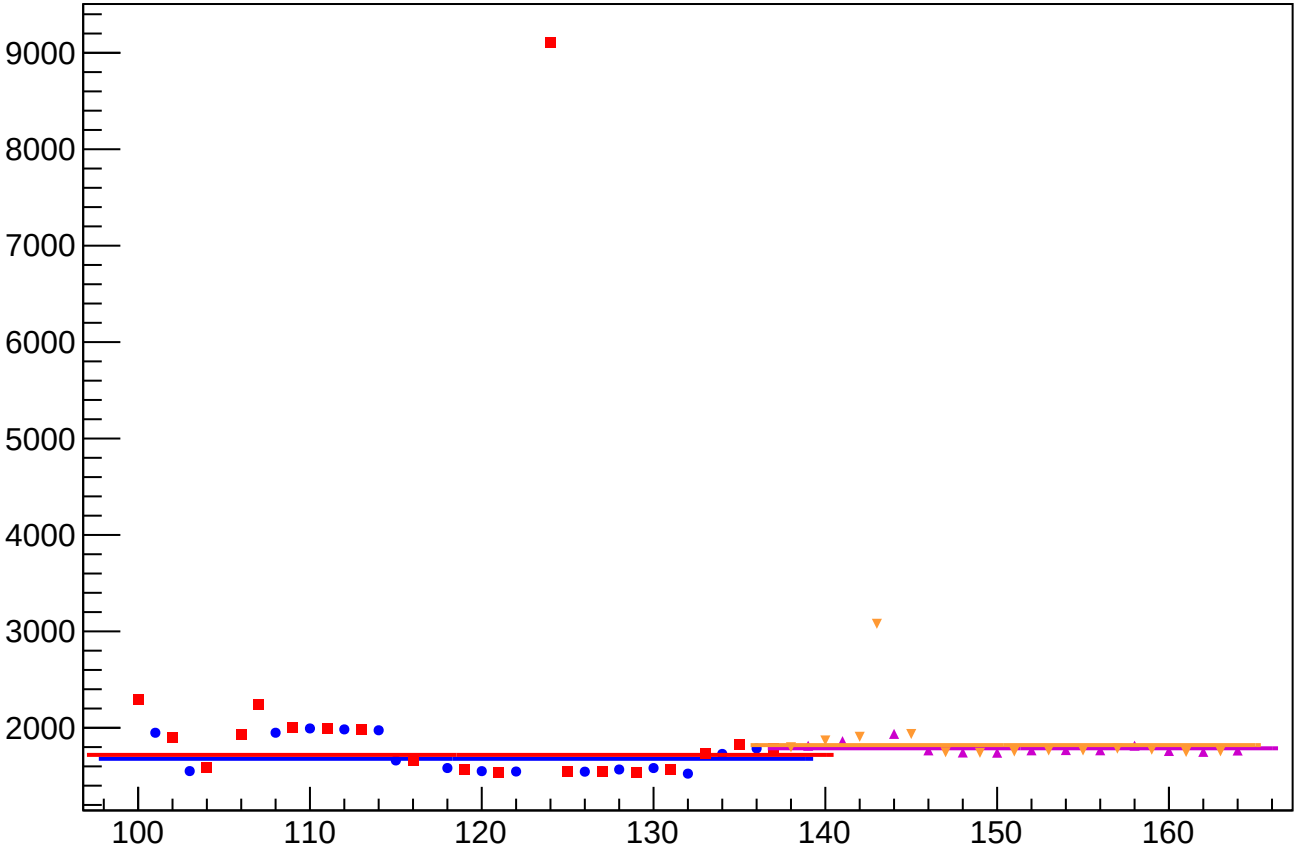
+ sign 1084.141+/-0.290 χ^2/NDF: 22531760.0/29

All: 1036.944+/-0.205 χ^2/NDF: 46568592.3/6

- sign 989.879+/-0.290 χ^2/NDF: 23984008.4/31


cor_asym_atl_avg_mean vs Slug
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 1363.895+/-547.341 χ²/NDF:14.9/13
Right Out: -1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: -2380.070+/-539.926 χ²/NDF:19.3/12
+ sign 1610.439+/-412.583 χ²/NDF: 26.3/29
All: -219.292+/-291.985 χ²/NDF: 105.3/61
- sign -2055.175+/-413.276 χ²/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: 1820.621+/-0.387 χ^2/NDF:300660.0/13

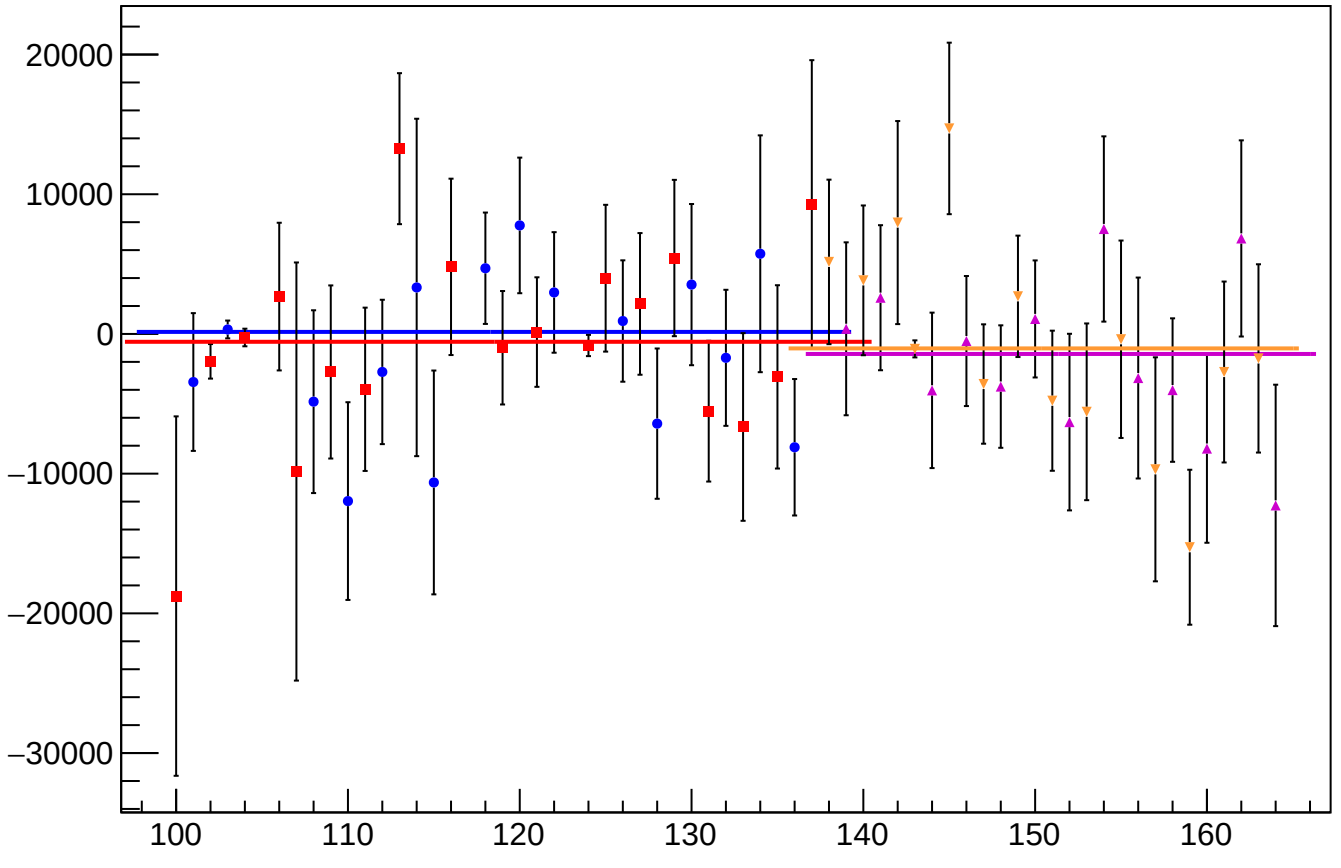
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.4/29

All: 1759.148+/-0.206 χ^2/NDF: 917410.3/61

- 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: -1035.066+/-569.819 χ^2/NDF:20.1/13

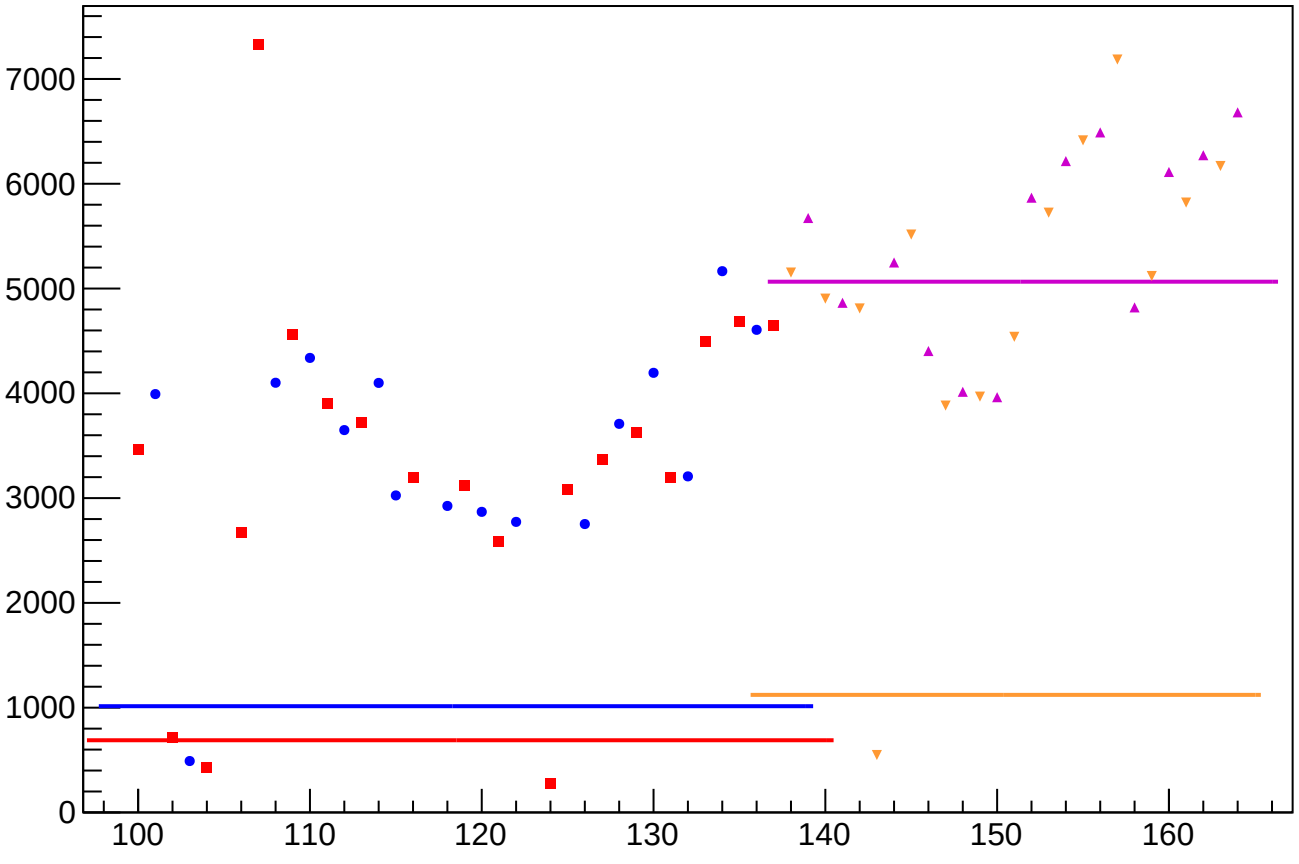
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1432.840+/-1559.030 χ^2/NDF:8.3/12

+ sign -454.065+/-406.253 χ^2/NDF: 38.0/29

All: -536.826+/-290.334 χ^2/NDF: 63.8/61

- 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: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

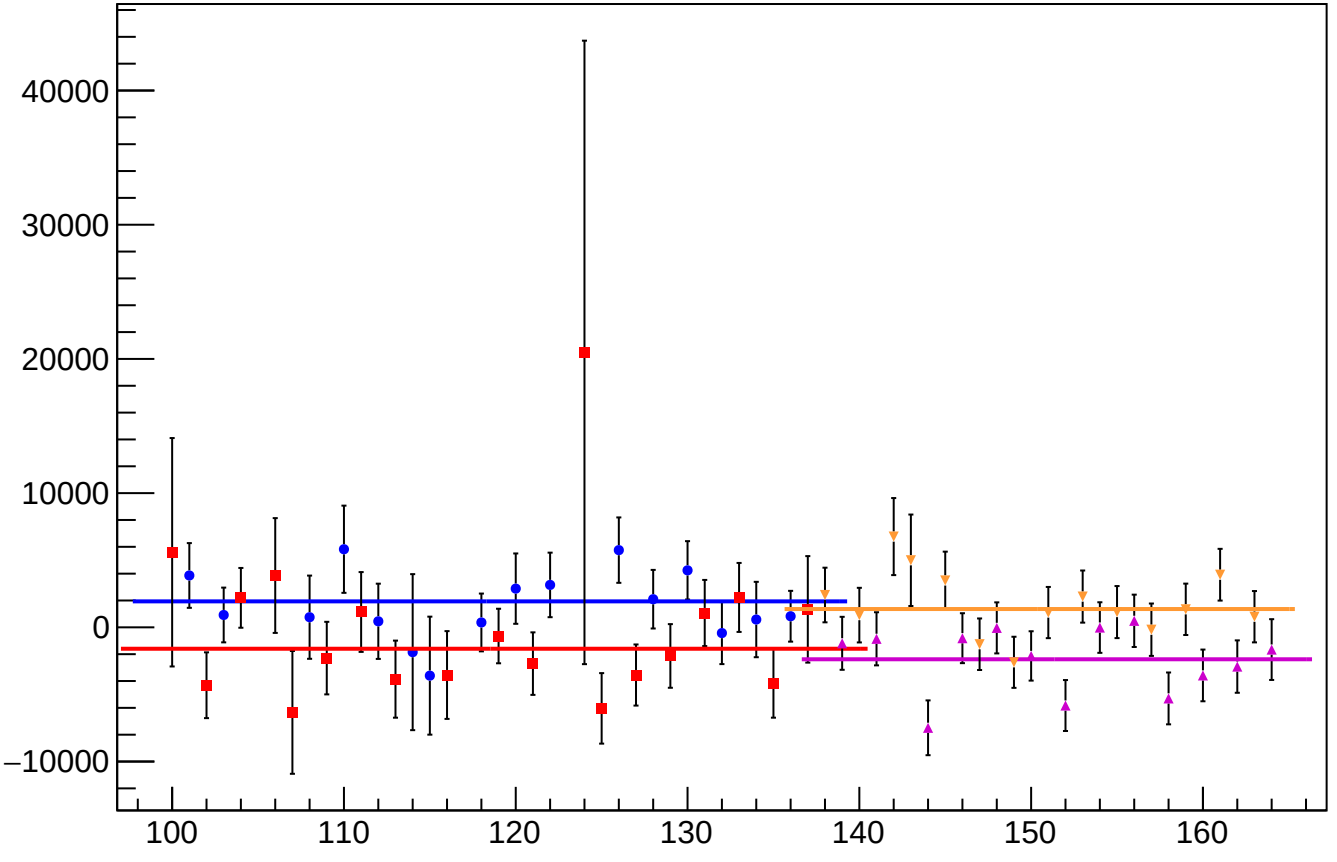
Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

+ sign 1069.015+/-0.287 χ^2/NDF: 22659988.2/29

All: 1034.888+/-0.205 χ^2/NDF: 46912103.0/6

- 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: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

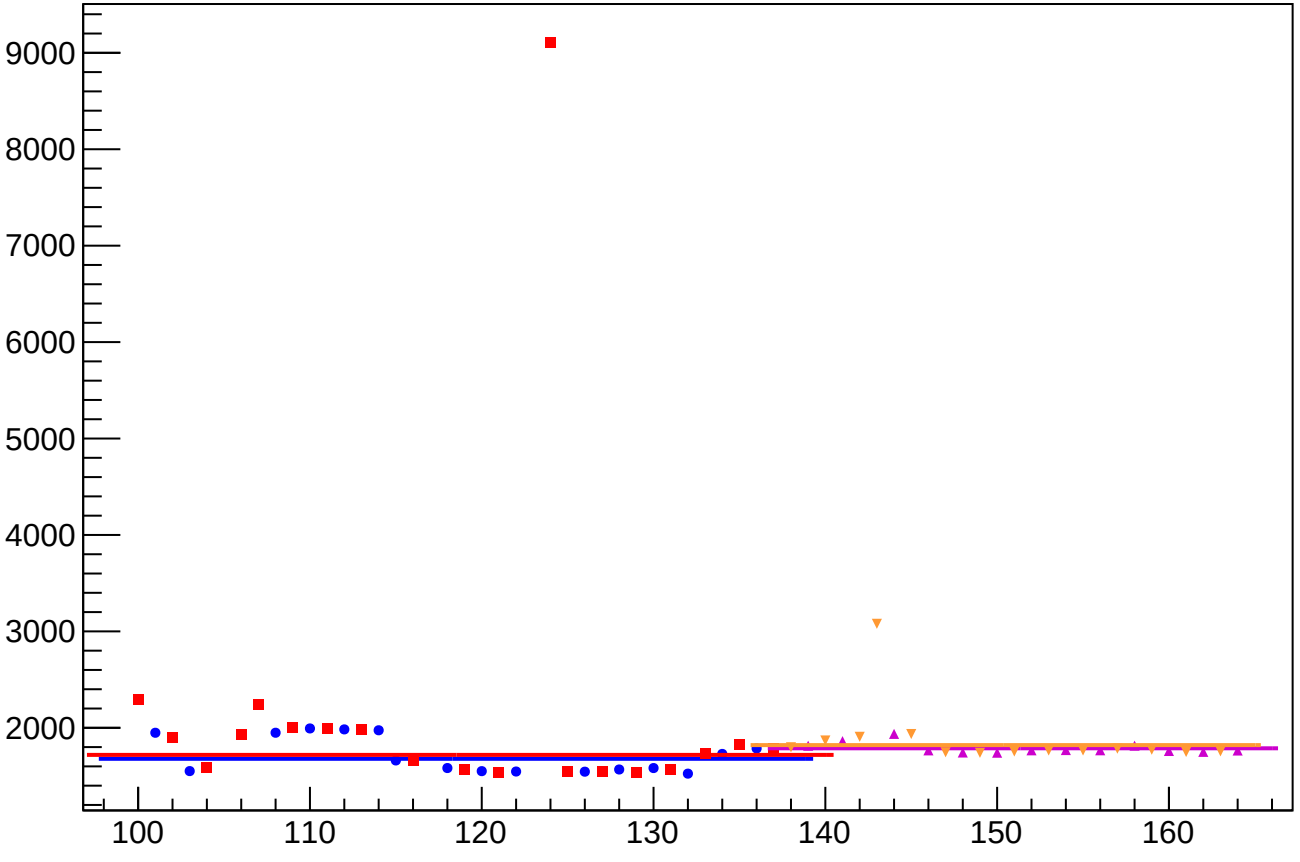
Left In: -2380.070+/-539.926 χ^2/NDF:19.3/12

+ sign 1610.439+/-412.583 χ^2/NDF: 26.3/29

All: -219.292+/-291.985 χ^2/NDF: 105.3/61

- 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: 1820.621+/-0.387 χ^2/NDF:300660.0/13

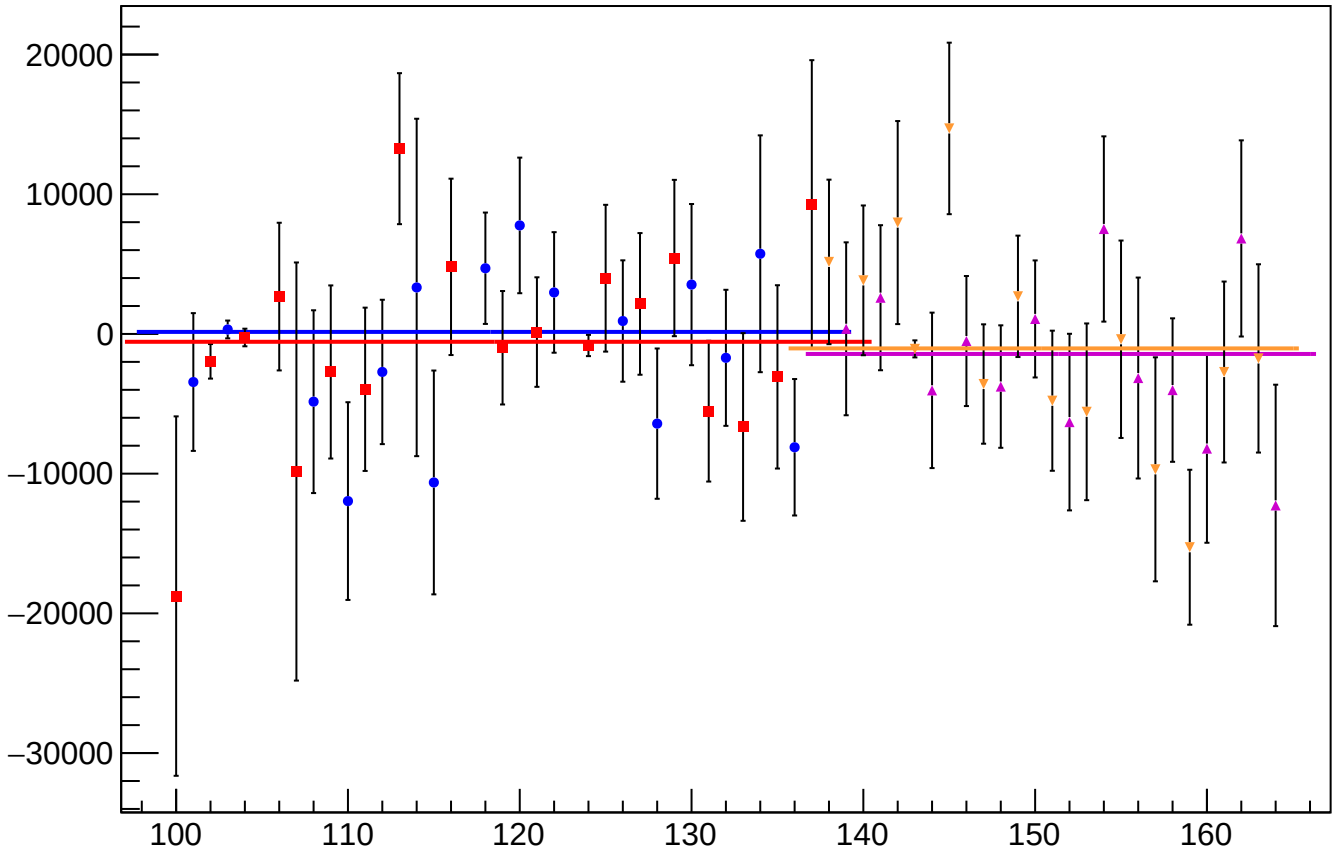
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.4/29

All: 1759.148+/-0.206 χ^2/NDF: 917410.3/61

- 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: -1035.066+/-569.819 χ^2/NDF:20.1/13

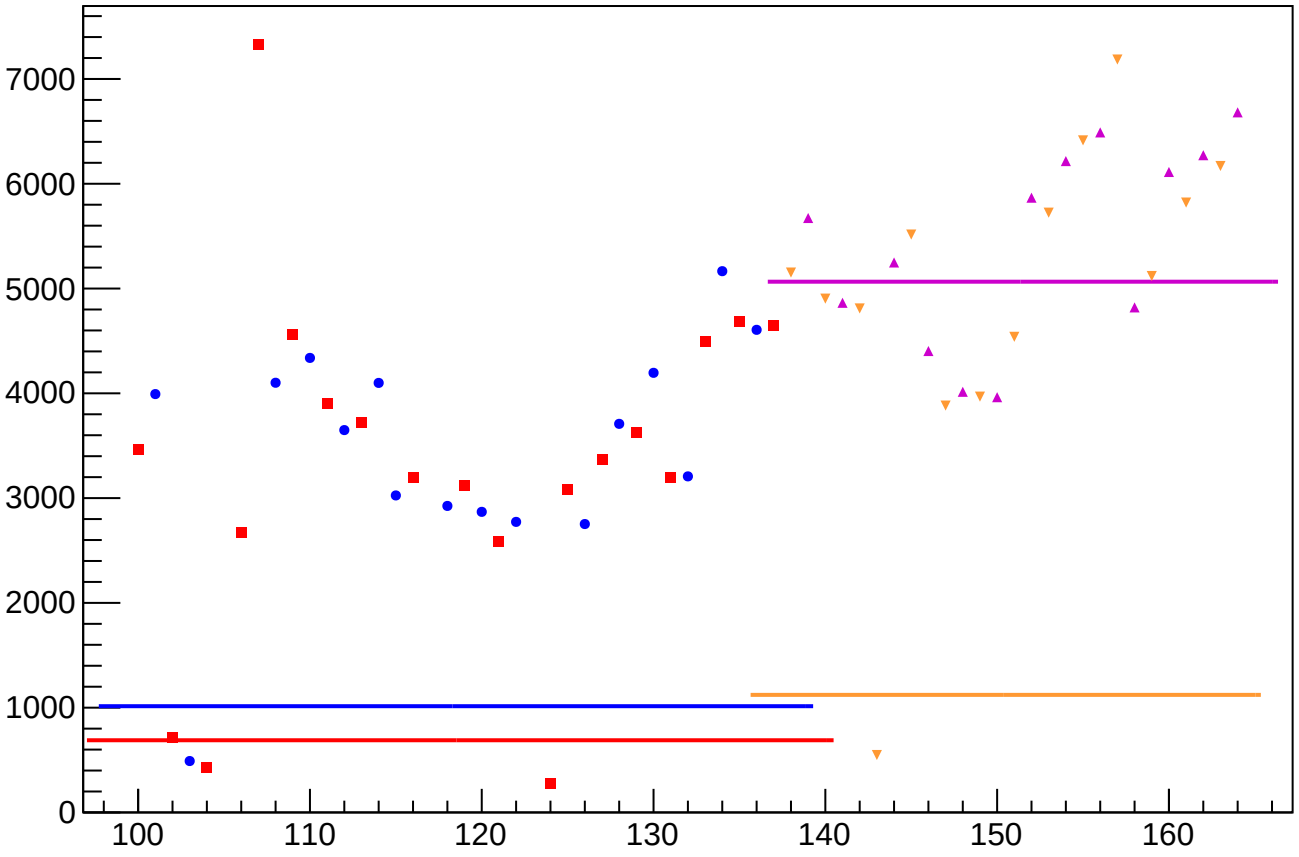
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1432.840+/-1559.030 χ^2/NDF:8.3/12

+ sign -454.065+/-406.253 χ^2/NDF: 38.0/29

All: -536.826+/-290.334 χ^2/NDF: 63.8/61

- 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: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

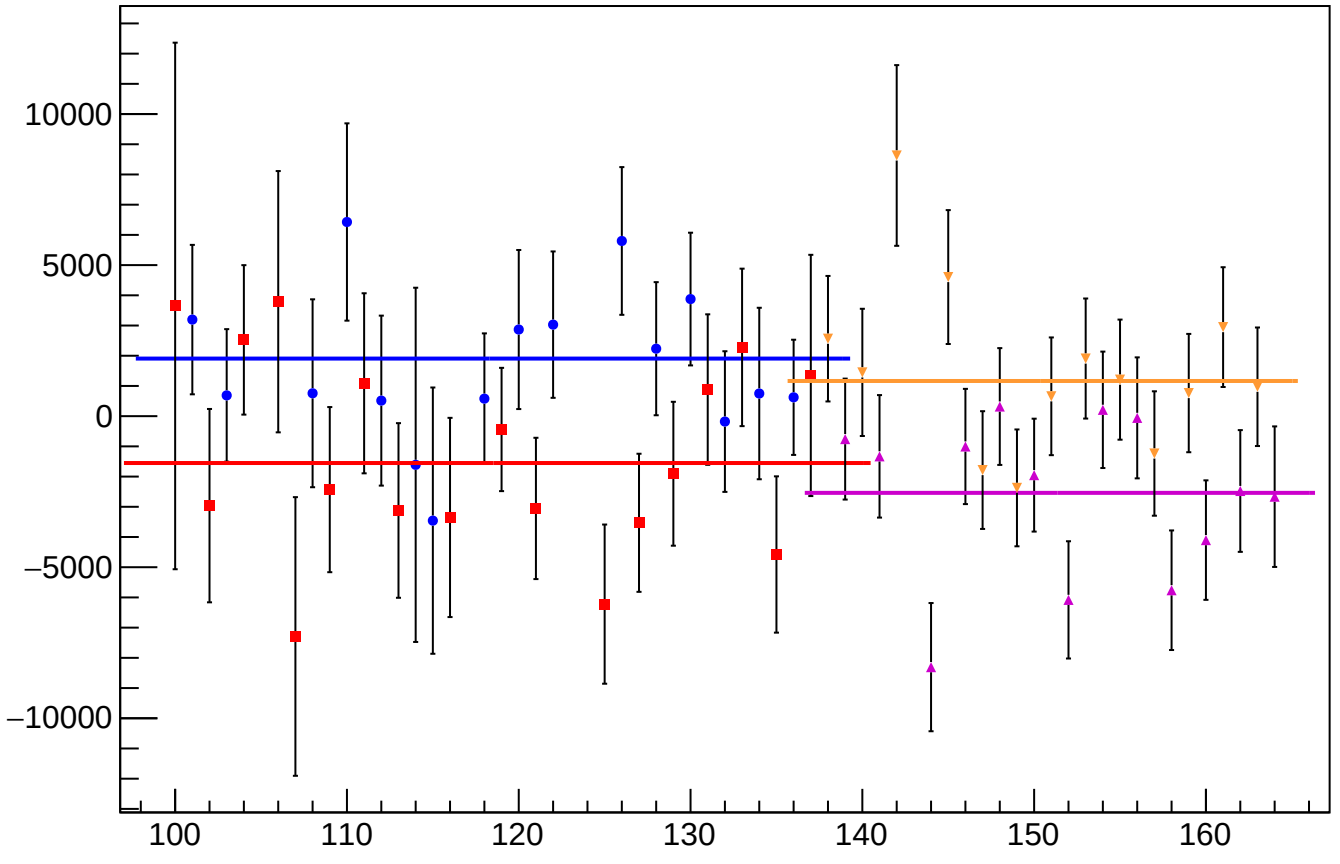
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

+ sign 1069.015+/-0.287 χ^2/NDF: 22659988.2/29

All: 1034.888+/-0.205 χ^2/NDF: 46912103.0/6

- 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: 1164.502+/-569.417 χ^2/NDF:17.2/12

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

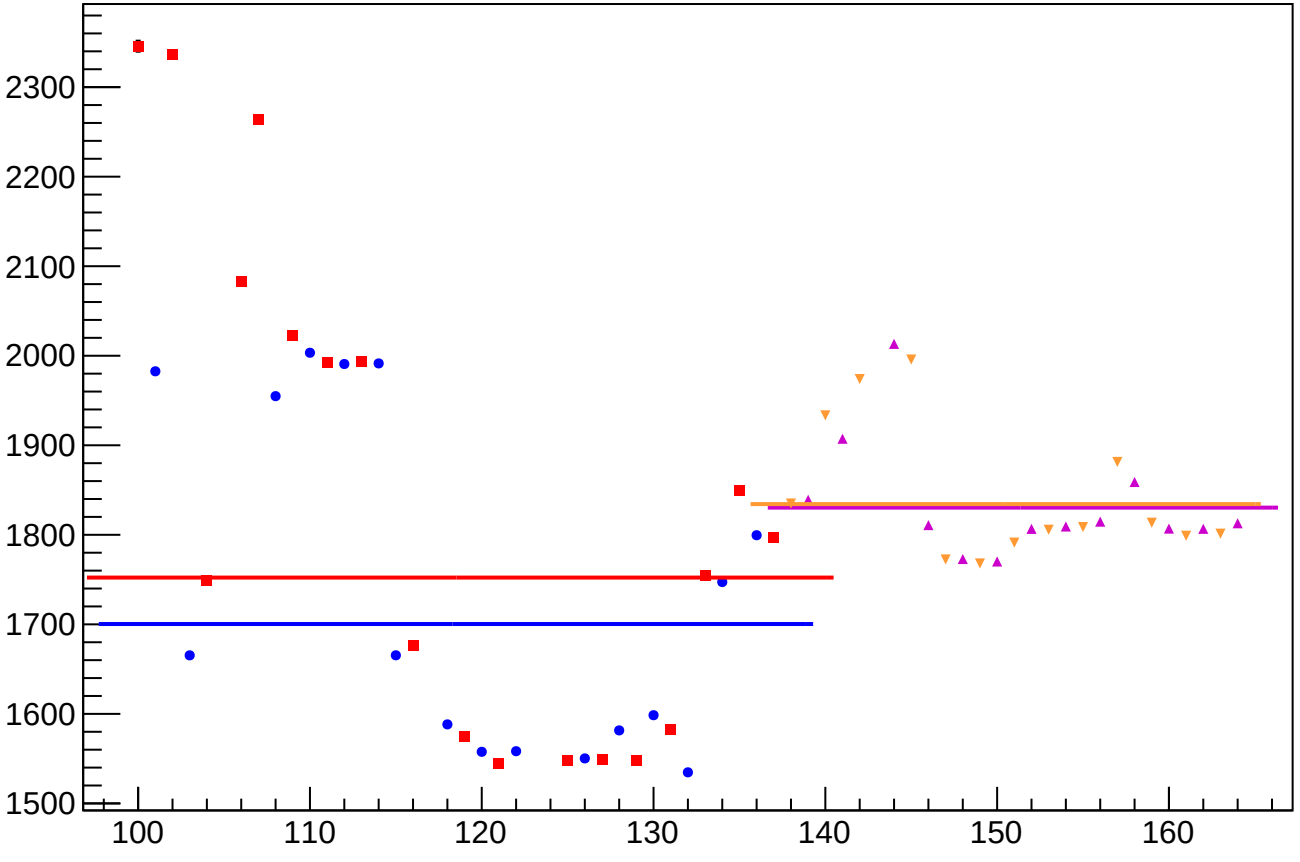
Left In: -2538.770+/-552.982 χ^2/NDF:21.7/12

+ sign 1494.259+/-424.361 χ^2/NDF: 28.2/28

All: -319.838+/-299.993 χ^2/NDF: 105.1/59

- 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: 1834.297+/-0.403 χ^2/NDF:27973.3/12

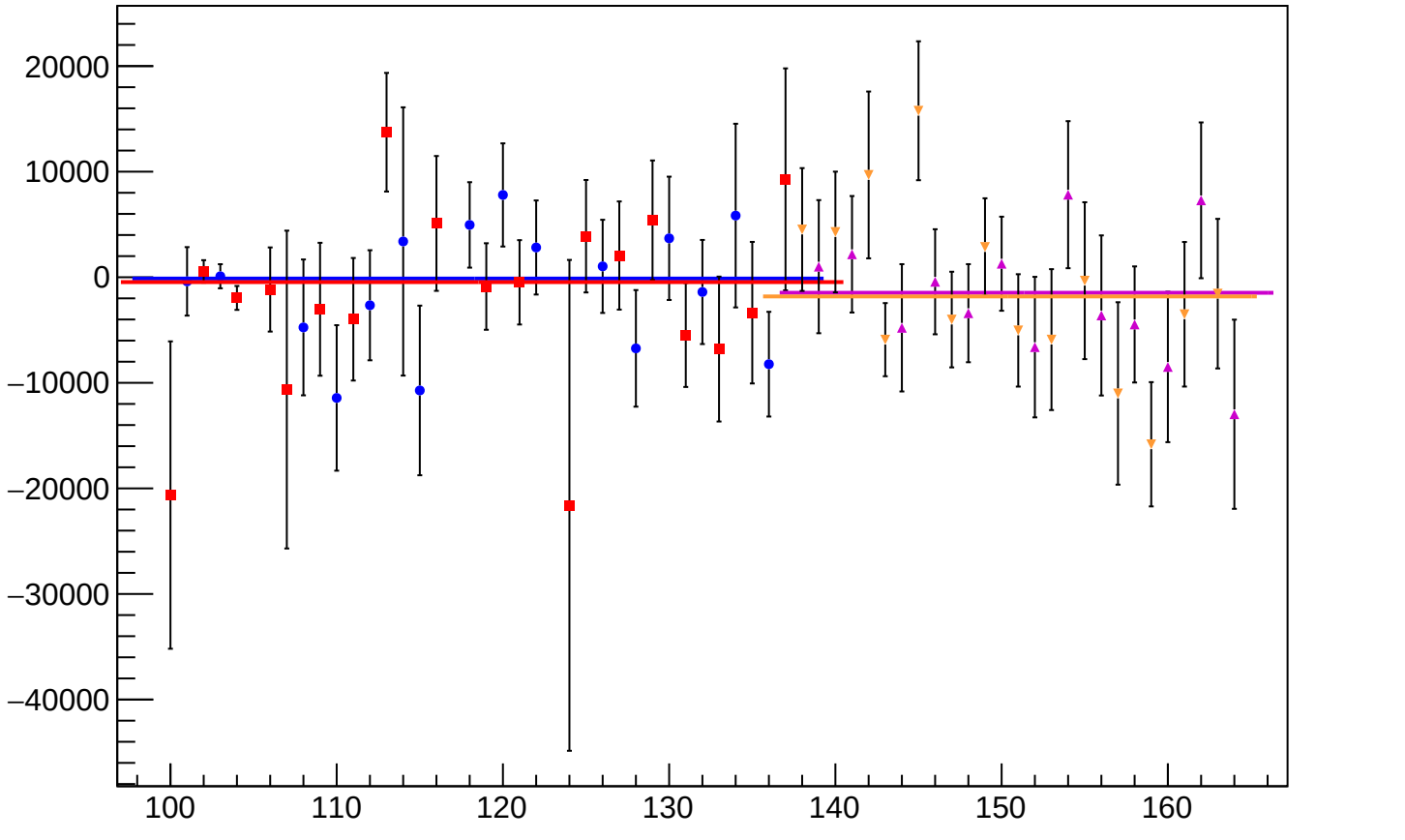
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1830.367+/-0.391 χ^2/NDF:23573.3/12

+ sign 1774.748+/-0.300 χ^2/NDF: 212591.3/28

All: 1786.449+/-0.212 χ^2/NDF: 503633.9/59

- 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: -1817.401+/-1511.595 χ^2/NDF:21.9/13

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

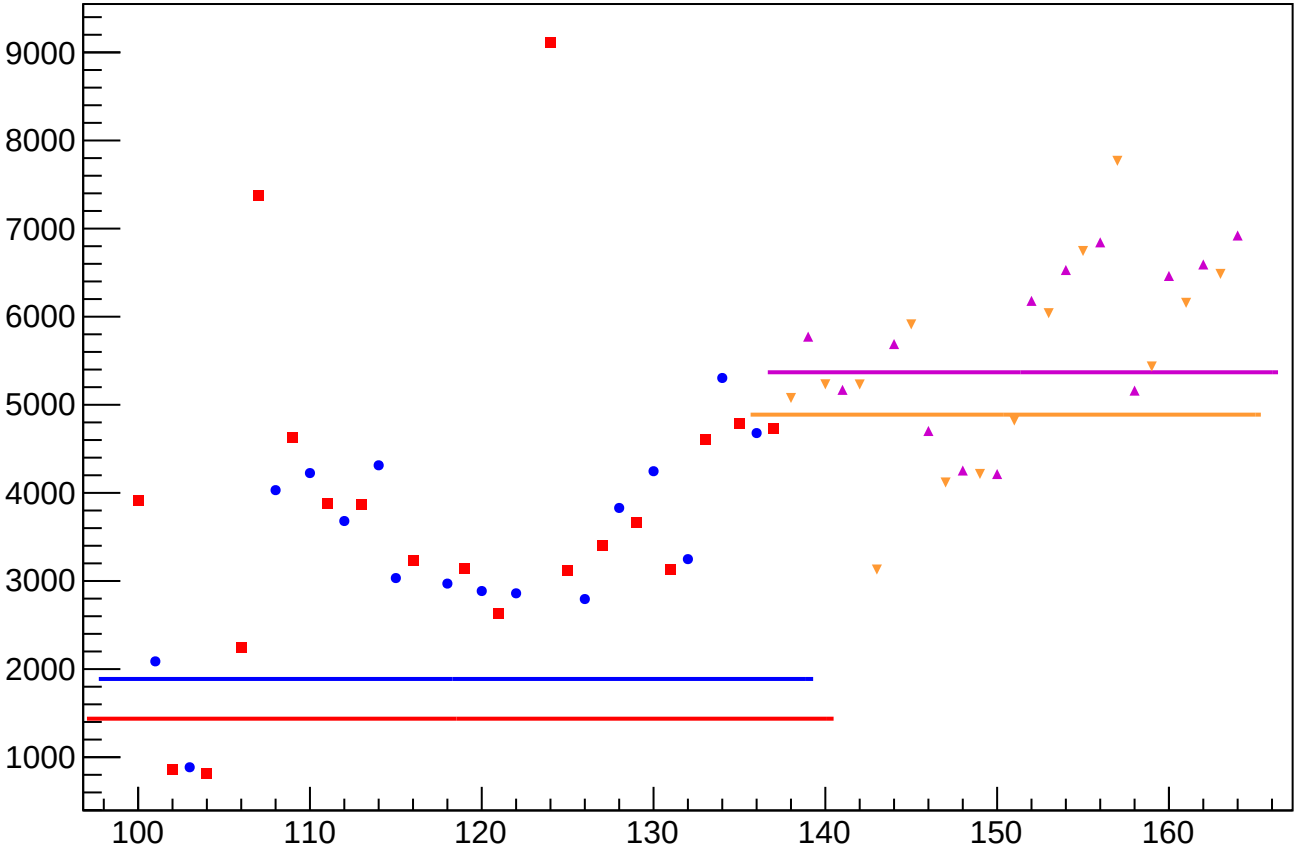
Left In: -1471.949+/-1651.013 χ^2/NDF:8.3/12

+ sign -544.761+/-752.494 χ^2/NDF: 37.9/29

All: -580.836+/-482.194 χ^2/NDF: 65.0/61

- 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: 4888.196+/-1.069 χ^2/NDF:1272114.2/13

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

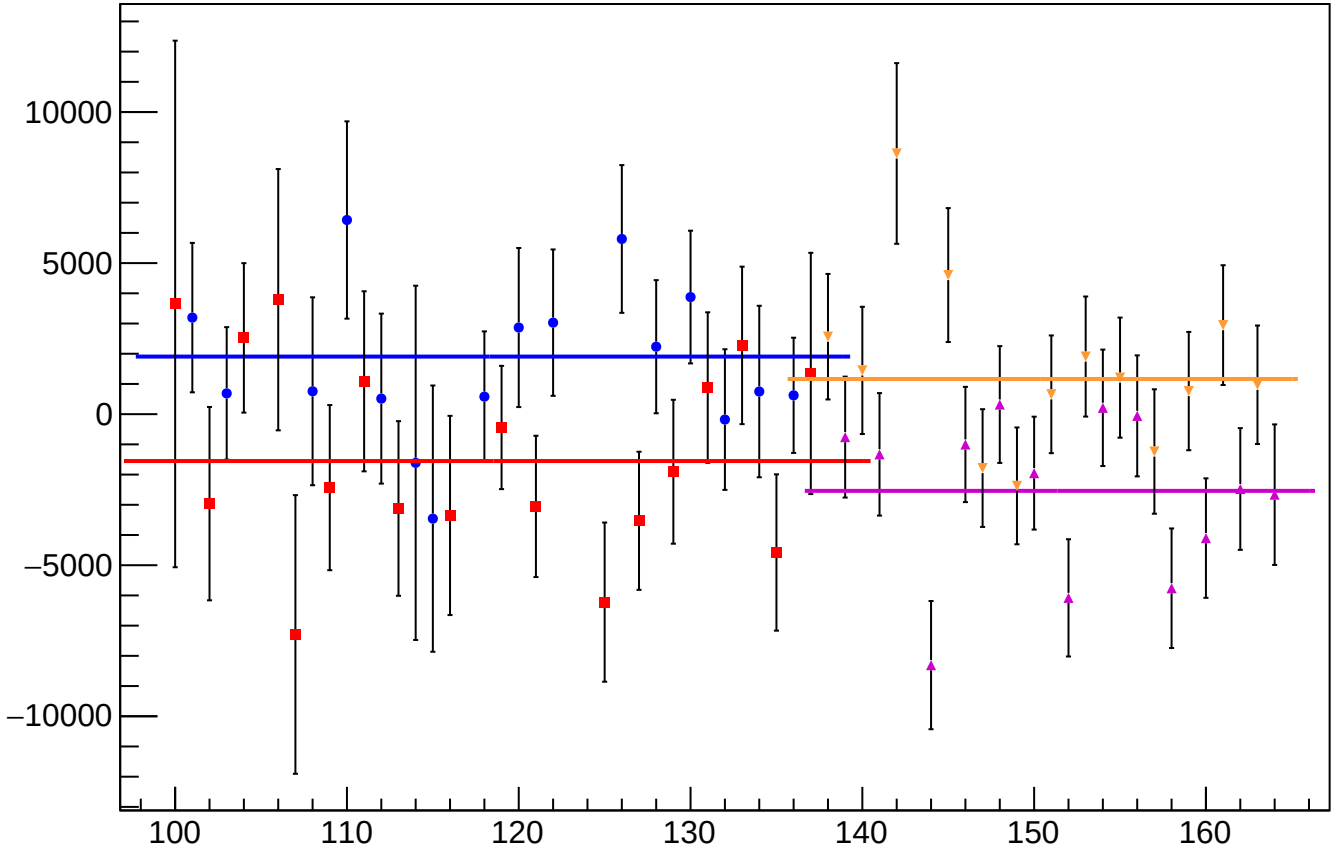
Left In: 5369.112+/-1.167 χ^2/NDF:627963.3/12

+ sign 2631.506+/-0.532 χ^2/NDF: 11624065.3/29

All: 2262.943+/-0.341 χ^2/NDF: 28732298.9/6

- 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: 1164.499+/-569.417 χ^2/NDF:17.2/12

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

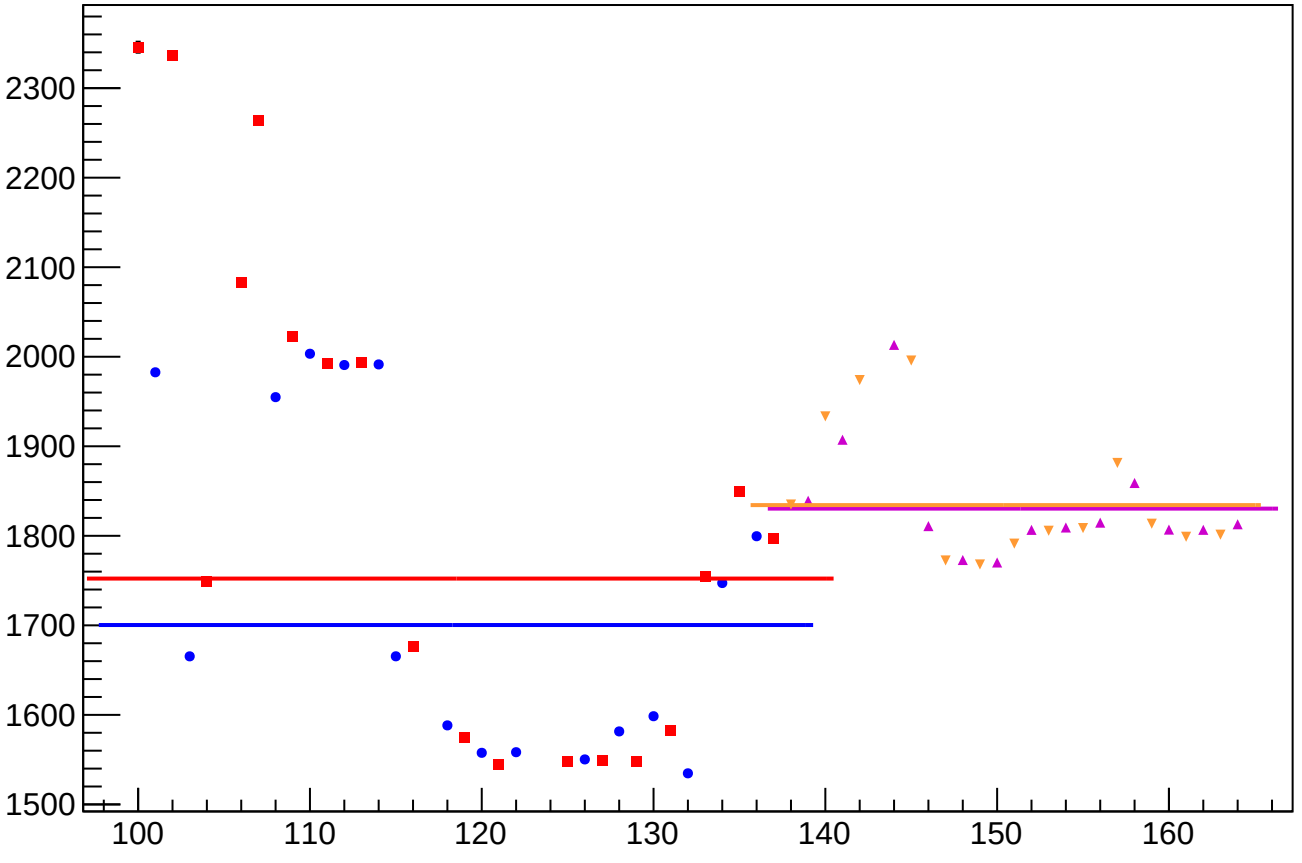
Left In: -2538.771+/-552.983 χ^2/NDF:21.7/12

+ sign 1494.257+/-424.361 χ^2/NDF: 28.2/28

All: -319.839+/-299.993 χ^2/NDF: 105.1/59

- 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: 1834.298+/-0.403 χ^2/NDF:27973.8/12

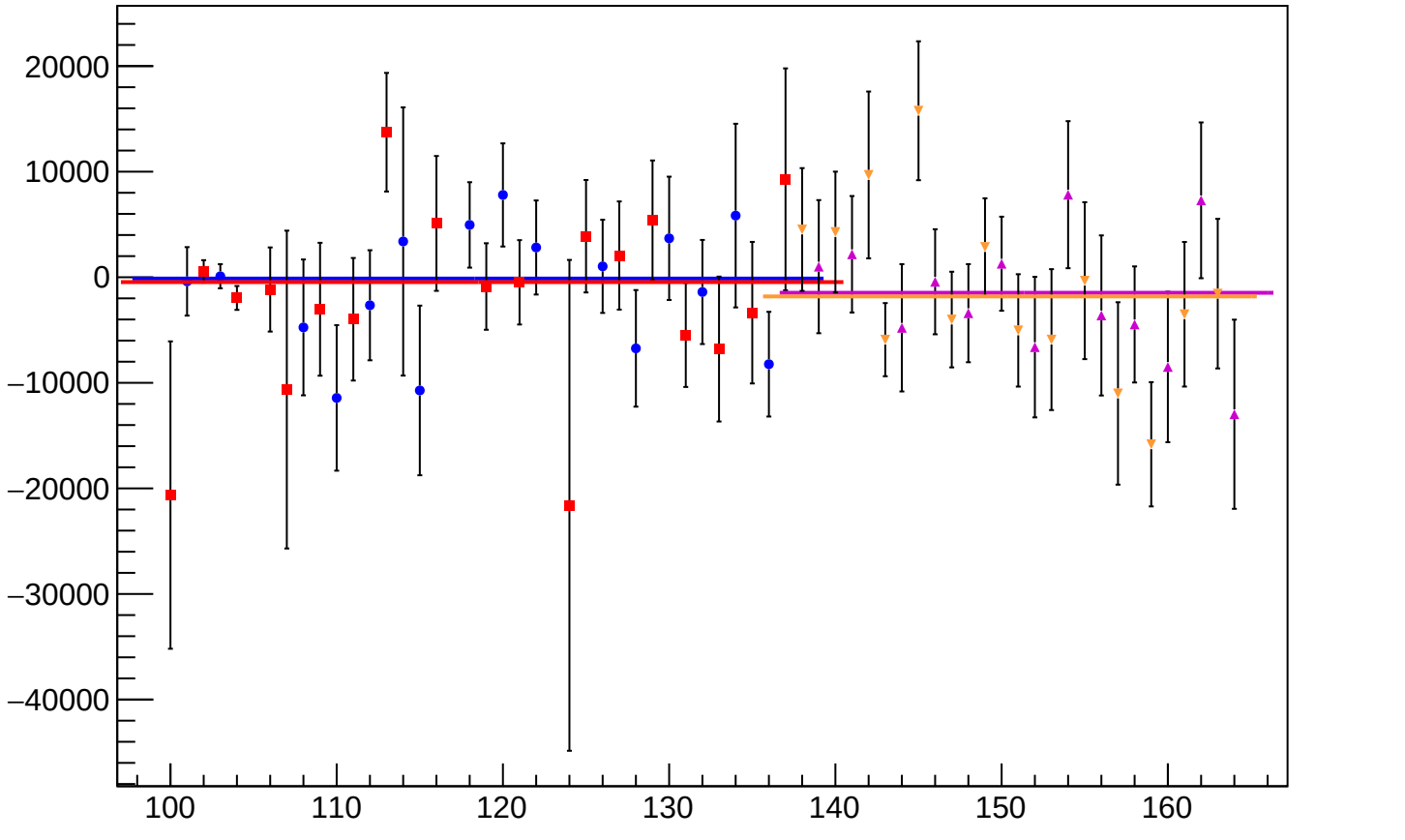
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1830.368+/-0.391 χ^2/NDF:23573.5/12

+ sign 1774.749+/-0.300 χ^2/NDF: 212593.2/28

All: 1786.450+/-0.212 χ^2/NDF: 503636.3/59

- 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: -1817.407+/-1511.597 χ^2/NDF:21.9/13

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

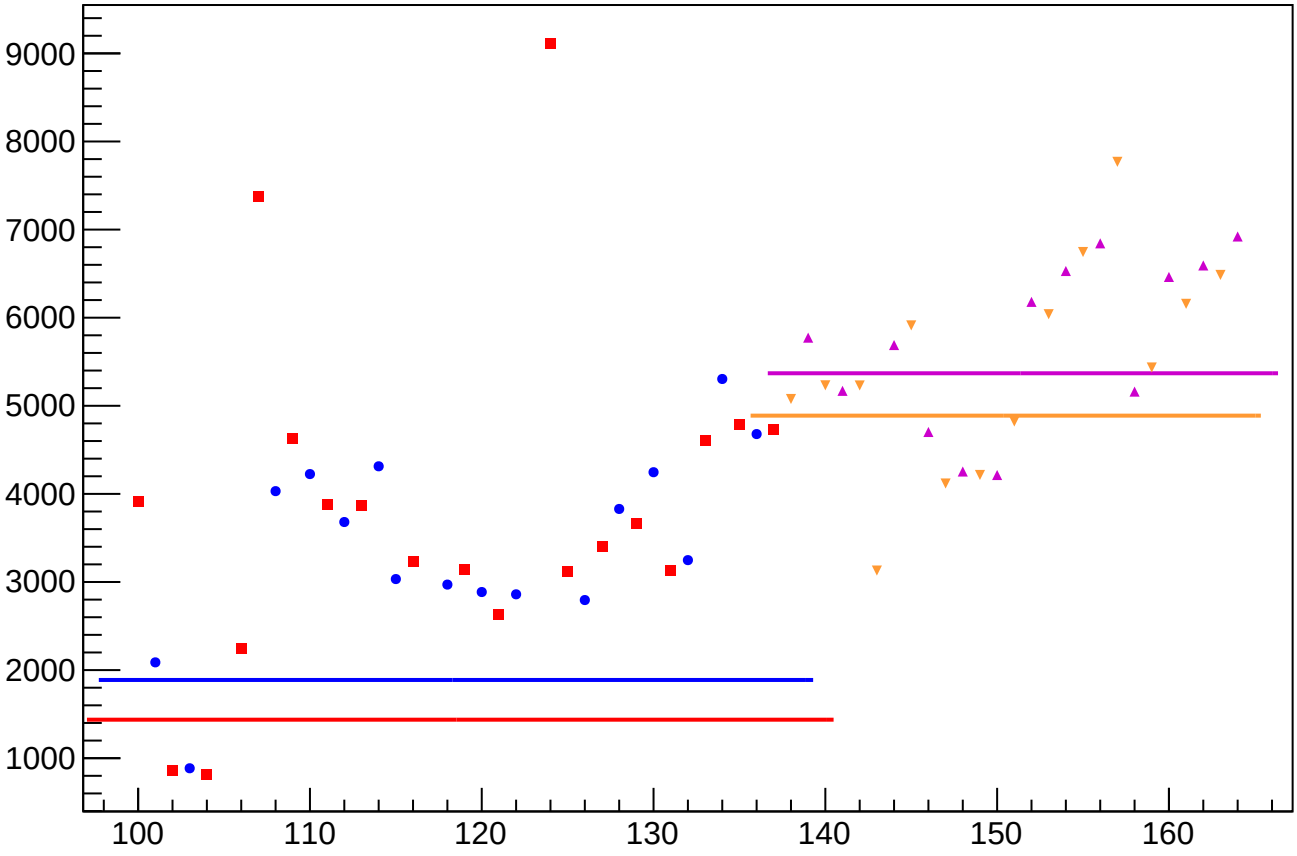
Left In: -1471.949+/-1651.015 χ^2/NDF:8.3/12

+ sign -544.755+/-752.491 χ^2/NDF: 37.9/29

All: -580.831+/-482.191 χ^2/NDF: 65.0/61

- sign -605.965+/-628.087 χ^2/NDF: 27.1/31

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4888.200+/-1.069 χ^2/NDF:1272121.2/13

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

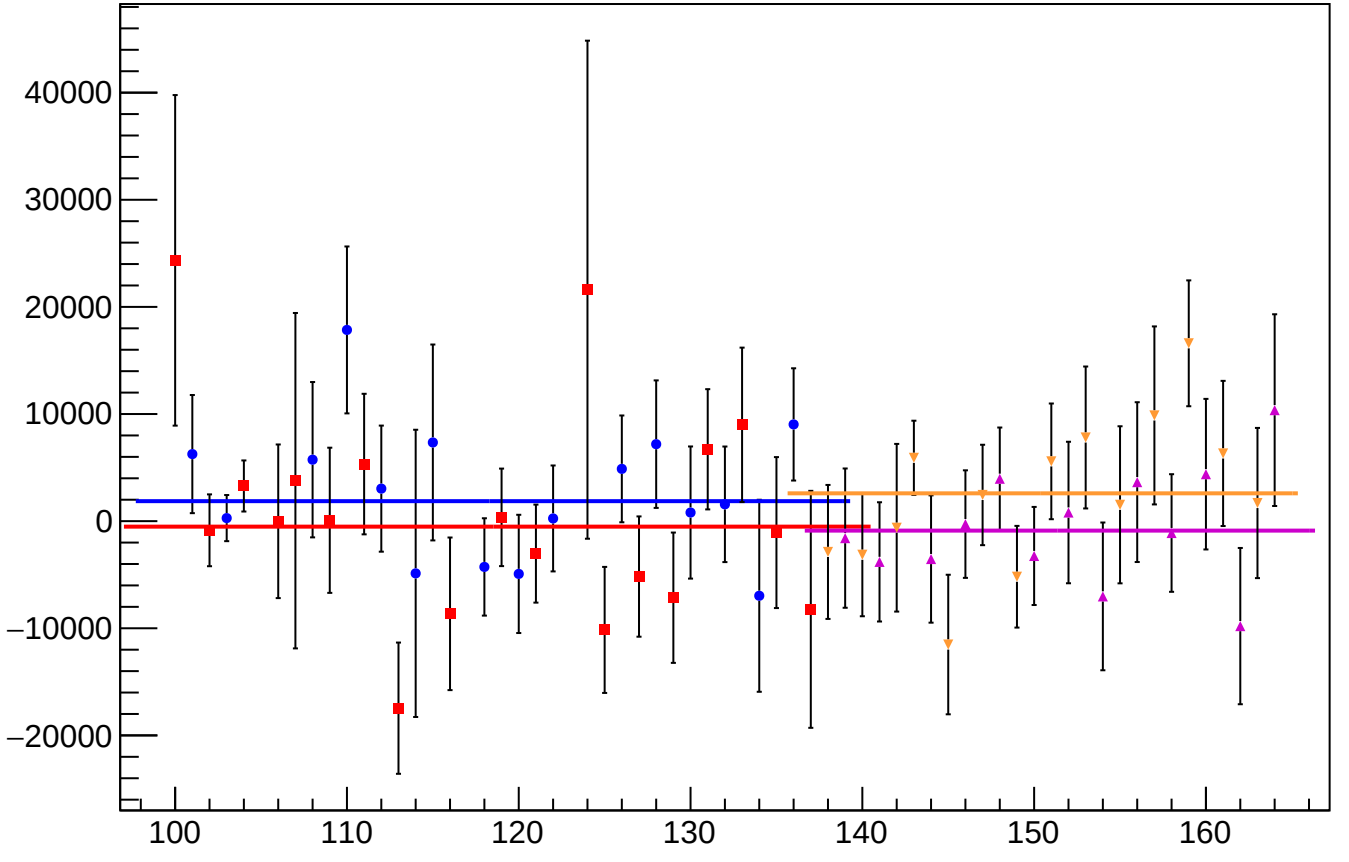
Left In: 5369.119+/-1.167 χ^2/NDF:627966.9/12

+ sign 2631.486+/-0.532 χ^2/NDF: 11624201.6/29

All: 2262.923+/-0.341 χ^2/NDF: 28732579.2/6

- 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: 2596.763+/-1524.473 χ^2/NDF:17.9/13

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

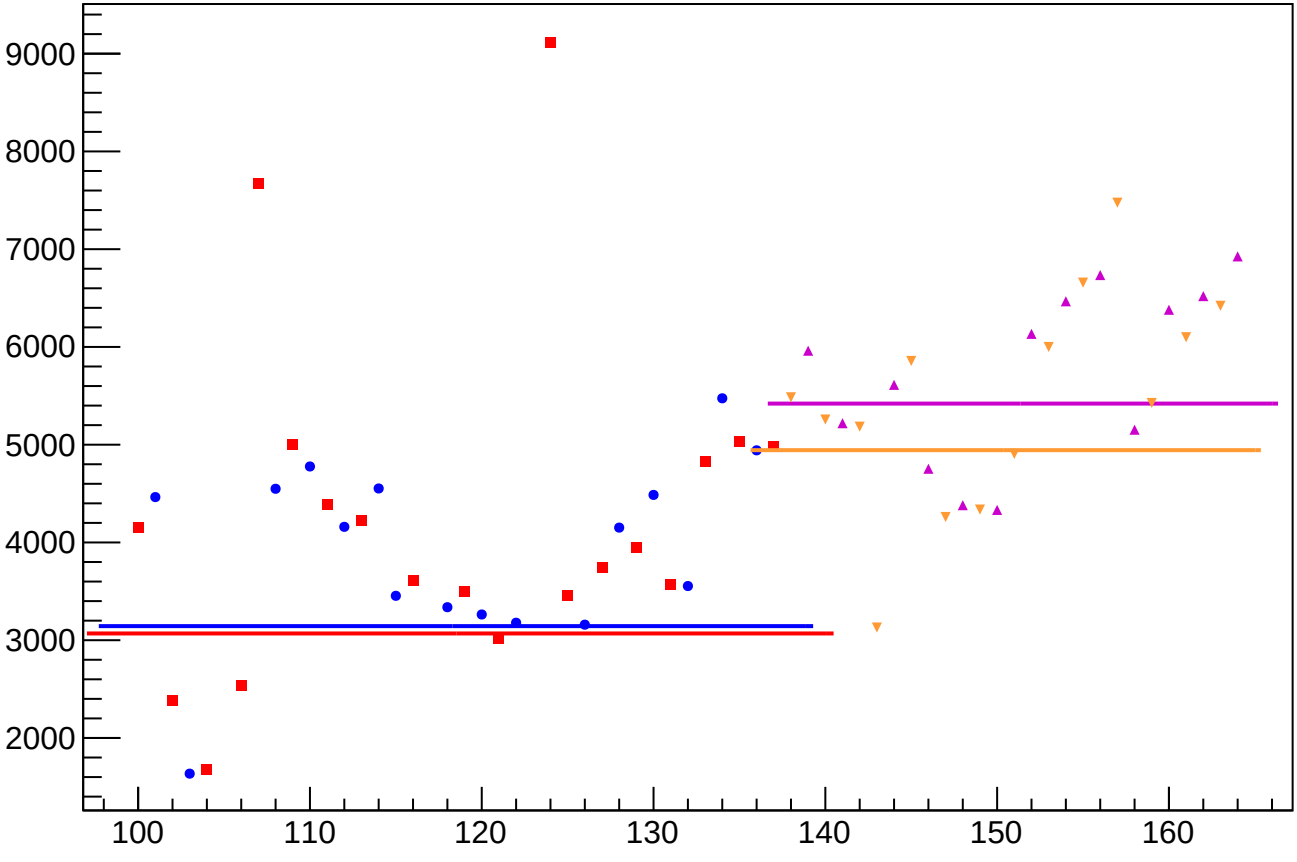
Left In: -882.917+/-1661.962 χ^2/NDF:6.7/12

+ sign 2162.733+/-970.835 χ^2/NDF: 31.9/29

All: 792.766+/-694.745 χ^2/NDF: 67.3/61

- 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: 4944.036+/-1.078 χ^2/NDF:1192258.7/13

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

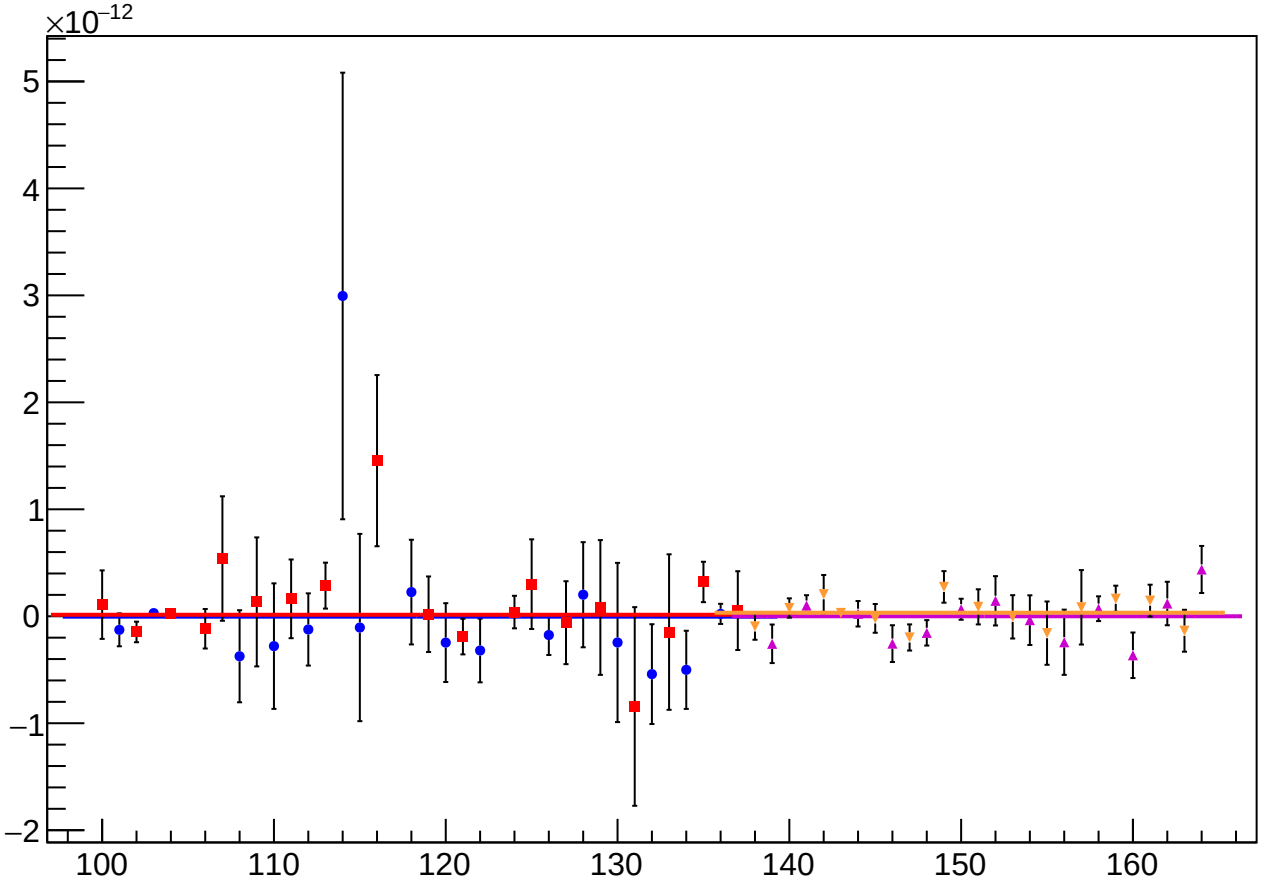
Left In: 5420.520+/-1.175 χ^2/NDF:536760.3/12

+ sign 3874.096+/-0.686 χ^2/NDF: 4732688.0/29

All: 3884.103+/-0.489 χ^2/NDF: 9749937.4/61

- 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:11.7/13

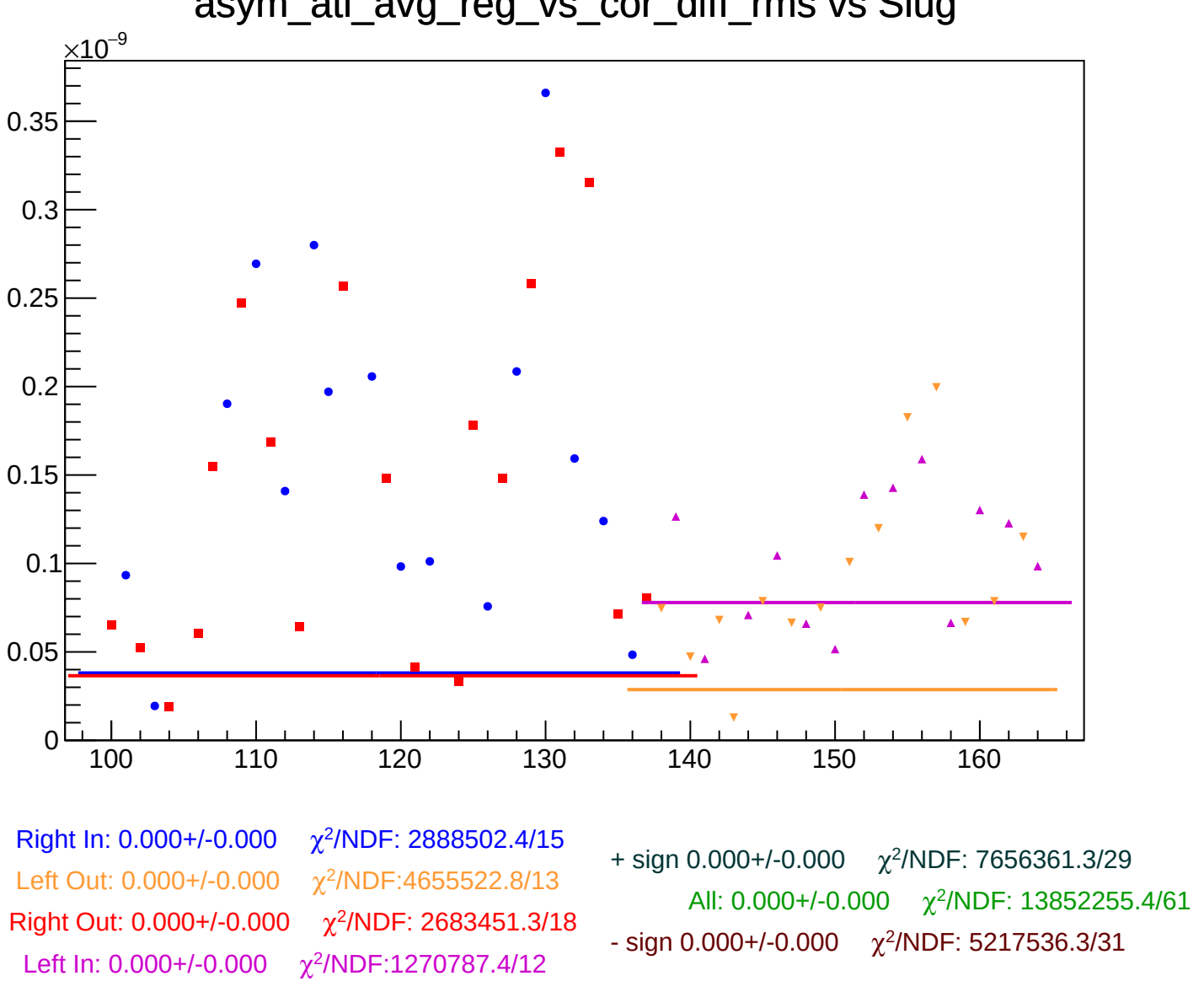
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/12

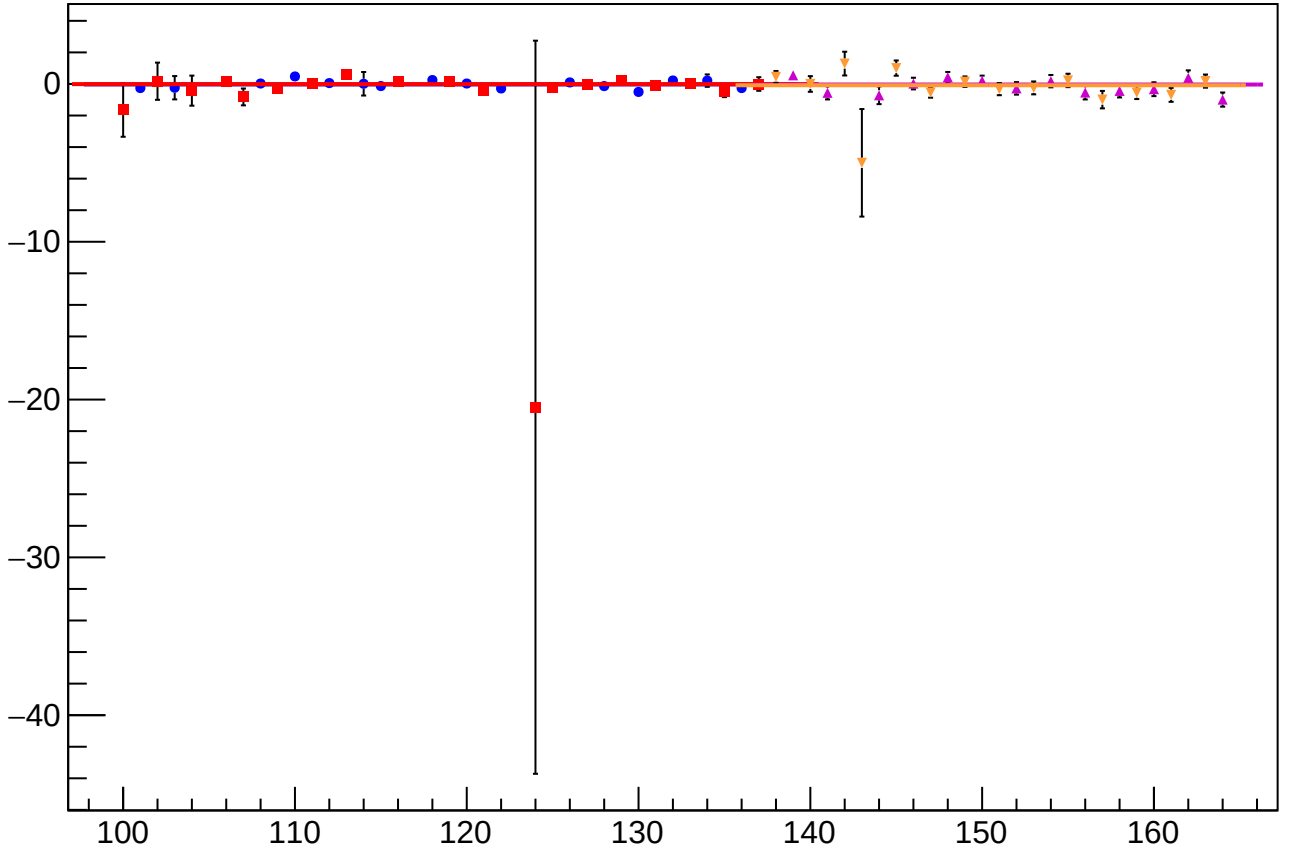
+ sign 0.000+/-0.000 χ^2/NDF: 23.2/29

All: 0.000+/-0.000 χ^2/NDF: 54.6/61

- 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:4655522.8/13
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: 7656361.3/29
All: 0.000+/-0.000 χ²/NDF: 13852255.4/61
- 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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

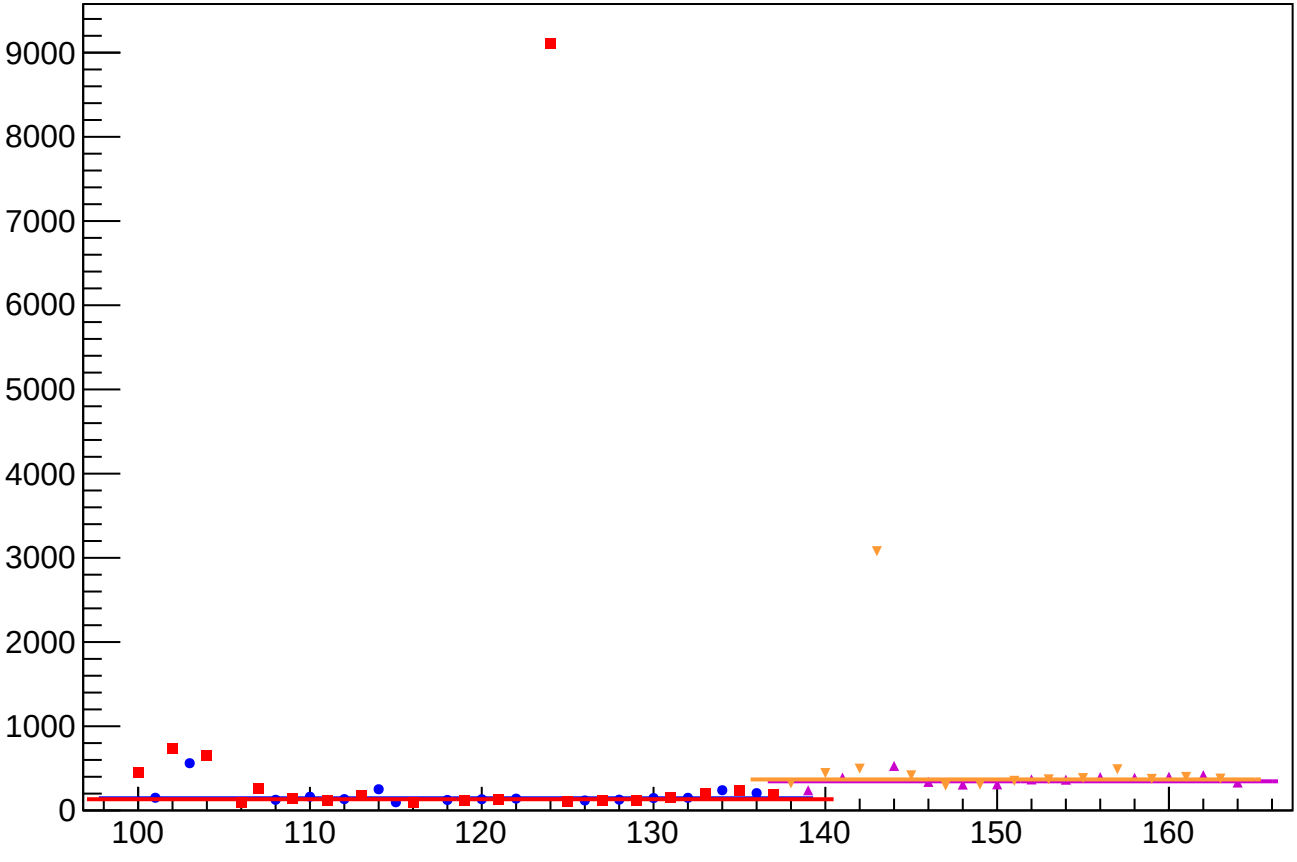
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.027+/-0.036 χ^2/NDF: 80.4/61

- 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: 368.420+/-0.082 χ^2/NDF:1702528.5/13

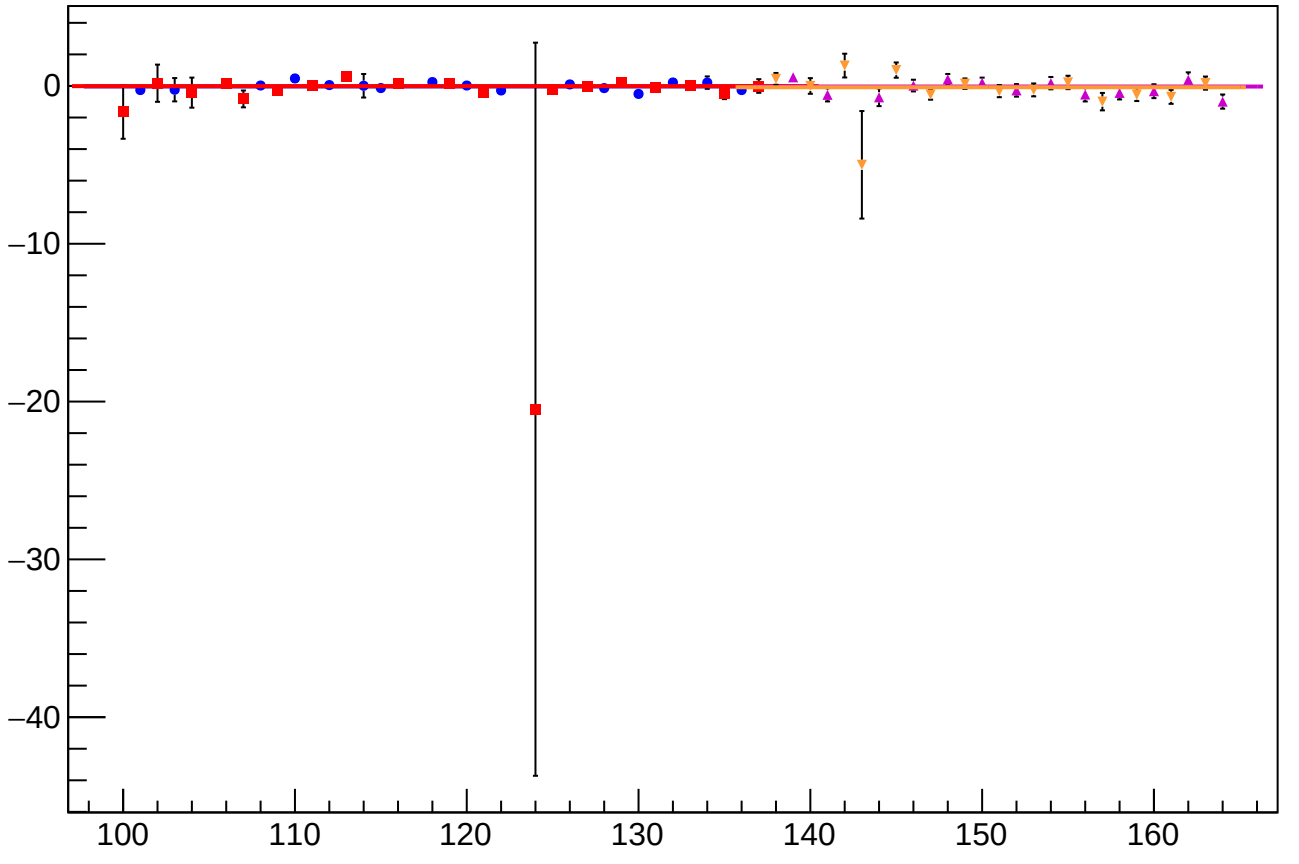
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

+ sign 188.803+/-0.037 χ^2/NDF: 8798190.7/29

All: 183.771+/-0.025 χ^2/NDF: 17889113.8/61

- sign 179.064+/-0.035 χ^2/NDF: 9054345.4/31



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

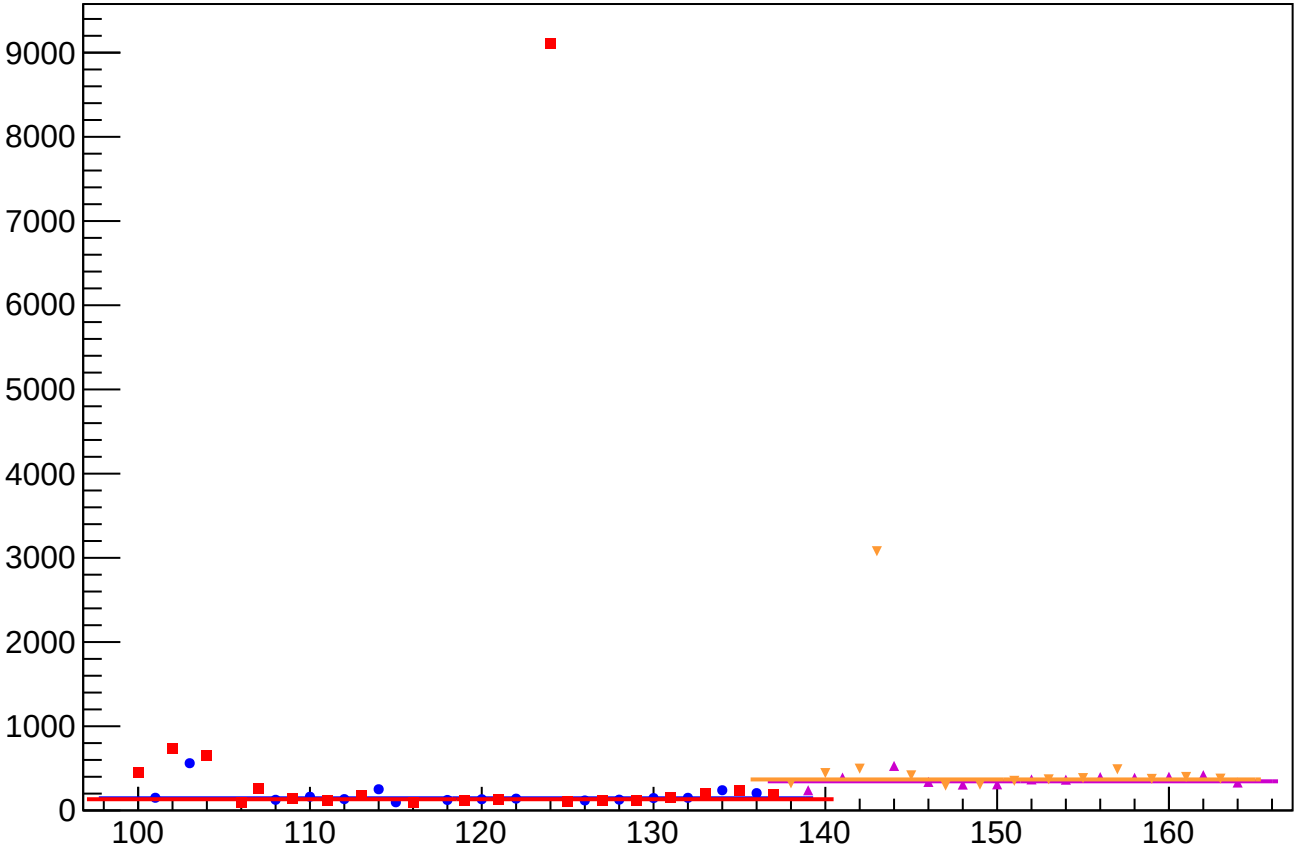
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.027+/-0.036 χ^2/NDF: 80.4/61

- 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: 368.420+/-0.082 χ^2/NDF:1702528.5/13

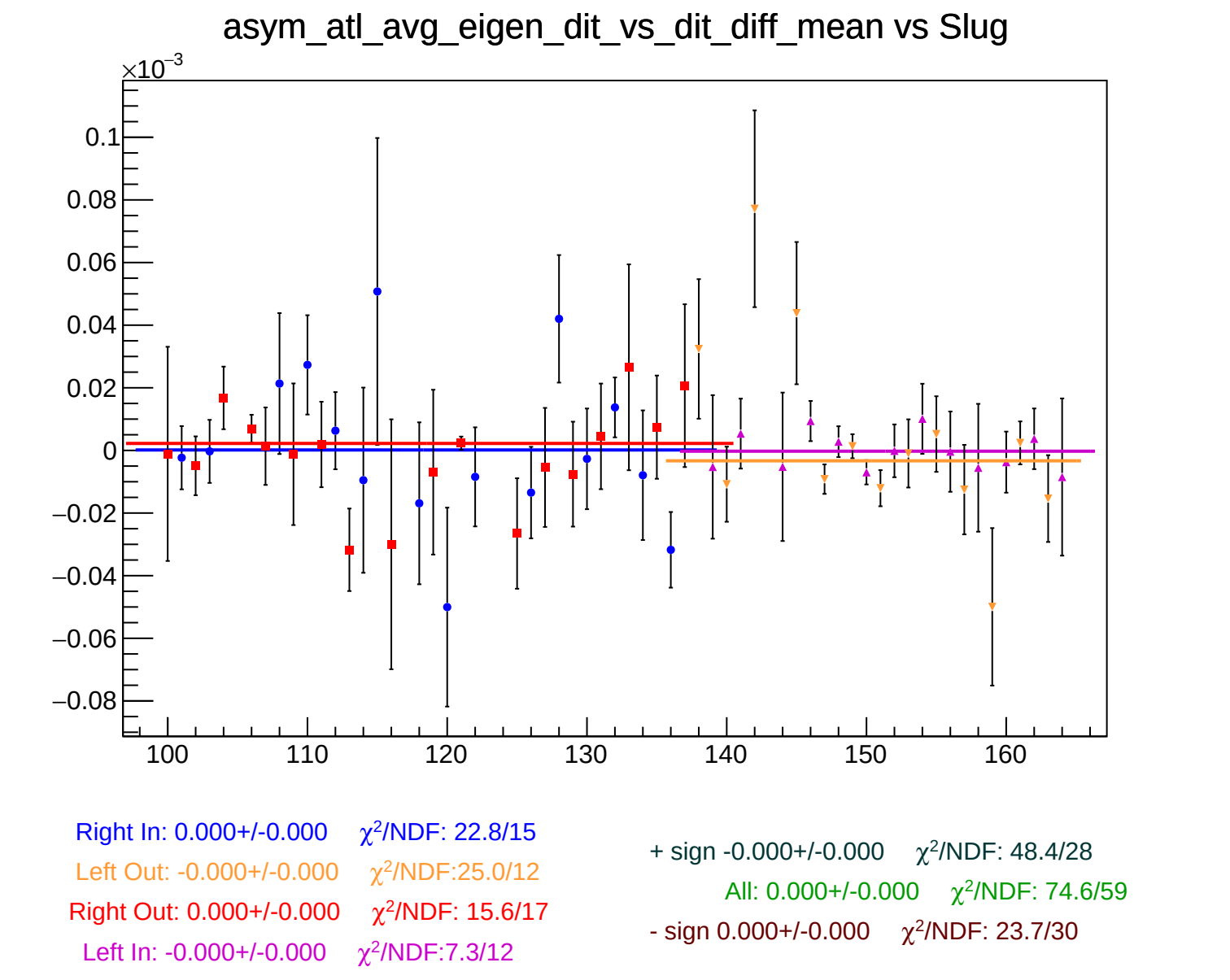
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

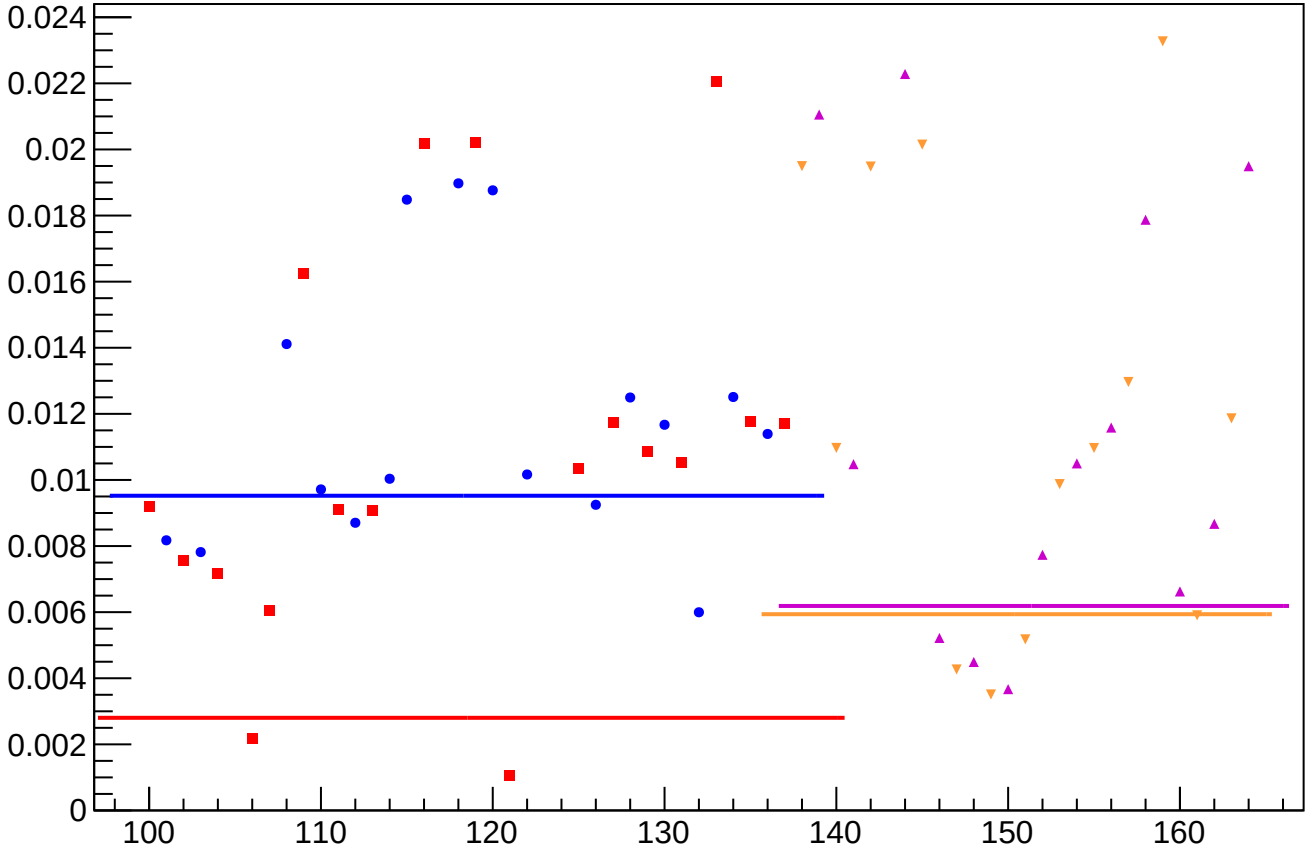
+ sign 188.803+/-0.037 χ^2/NDF: 8798190.7/29

All: 183.771+/-0.025 χ^2/NDF: 17889113.8/61

- sign 179.064+/-0.035 χ^2/NDF: 9054345.4/31


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:25.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.3/12
+ sign -0.000+/-0.000 χ²/NDF: 48.4/28
All: 0.000+/-0.000 χ²/NDF: 74.6/59
- sign 0.000+/-0.000 χ²/NDF: 23.7/30

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:5740791.5/12

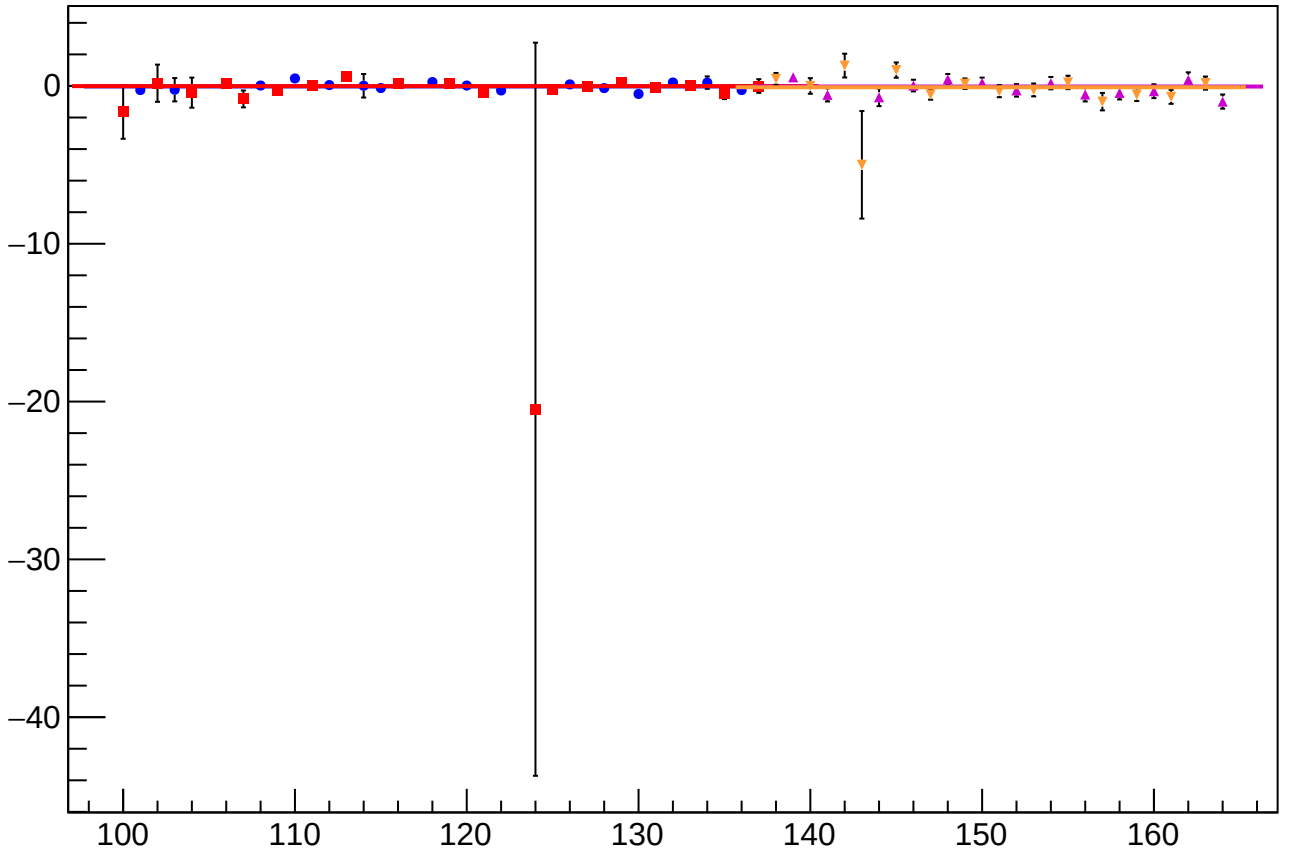
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5255705.9/12

+ sign 0.007+/-0.000 χ^2/NDF: 8230257.2/28

All: 0.005+/-0.000 χ^2/NDF: 27791869.7/59

- sign 0.004+/-0.000 χ^2/NDF: 16675328.1/30



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

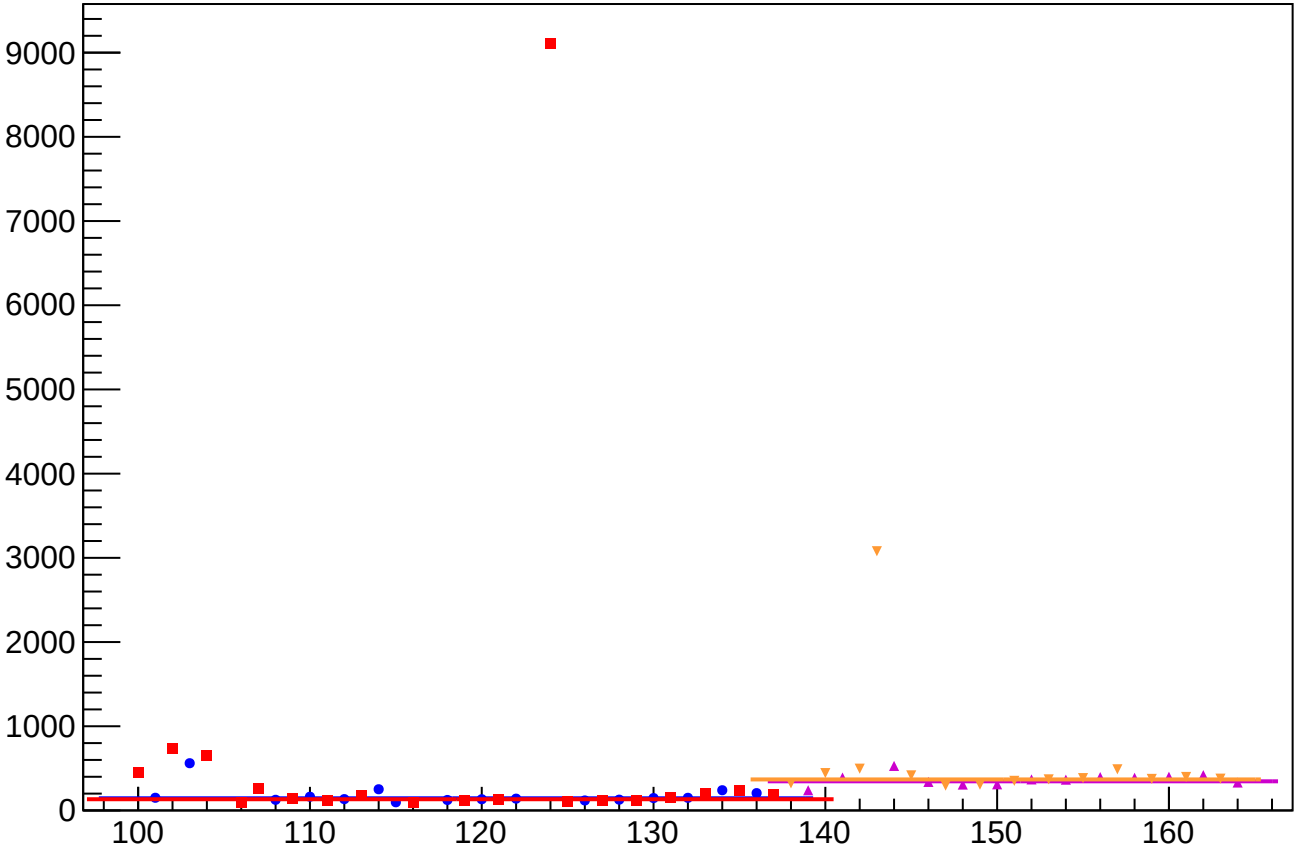
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.027+/-0.036 χ^2/NDF: 80.4/61

- 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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

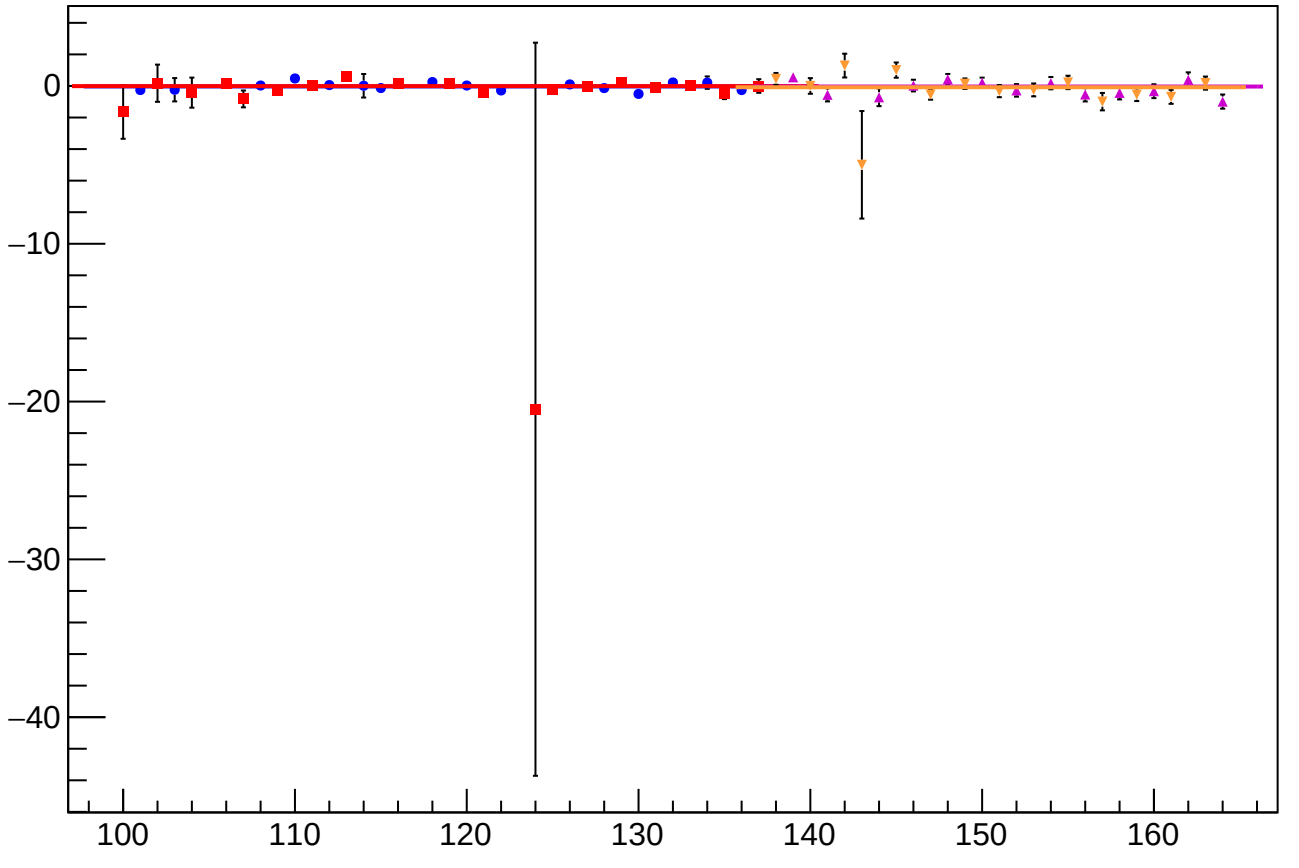
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

+ sign 188.802+/-0.037 χ^2/NDF: 8798470.0/29

All: 183.770+/-0.025 χ^2/NDF: 17889557.0/61

- 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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

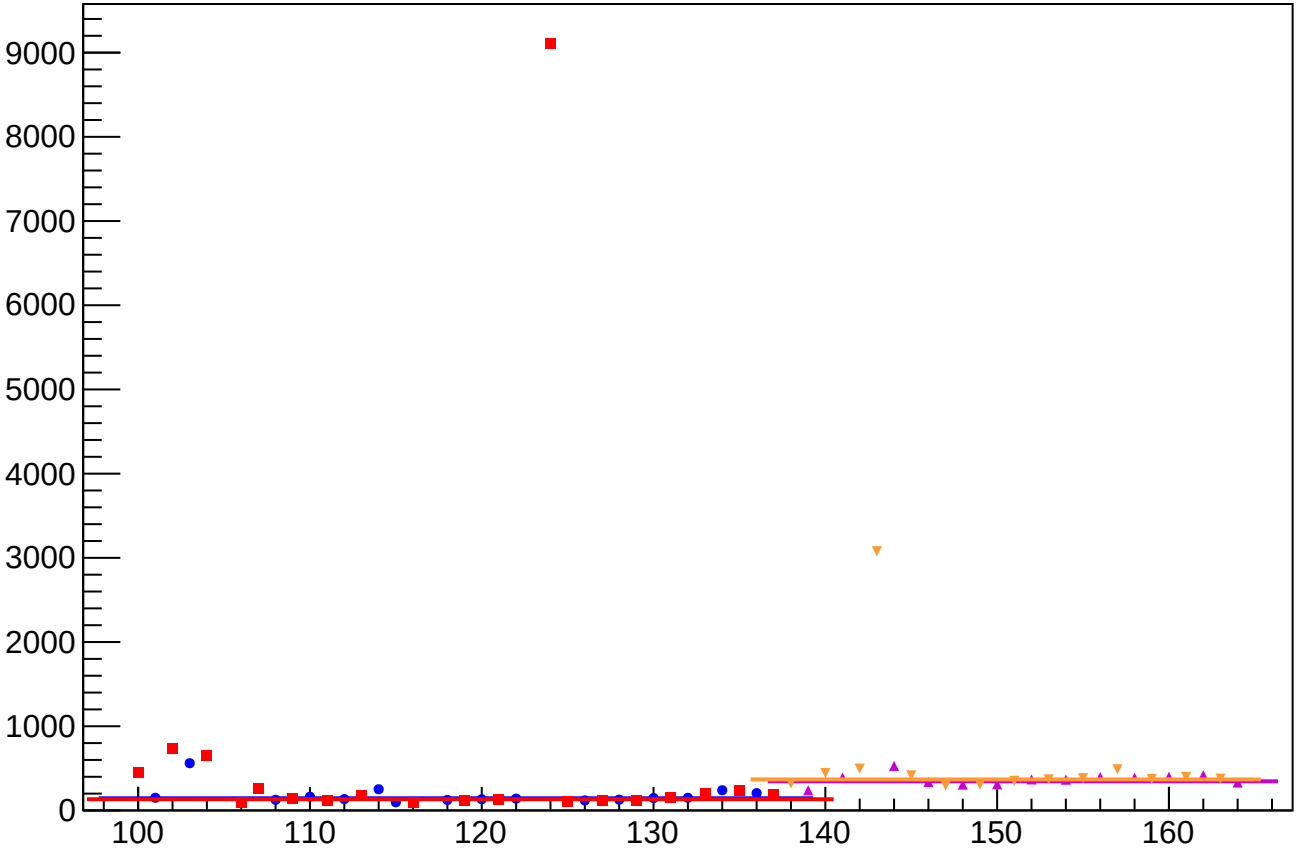
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.027+/-0.036 χ^2/NDF: 80.4/61

- 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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

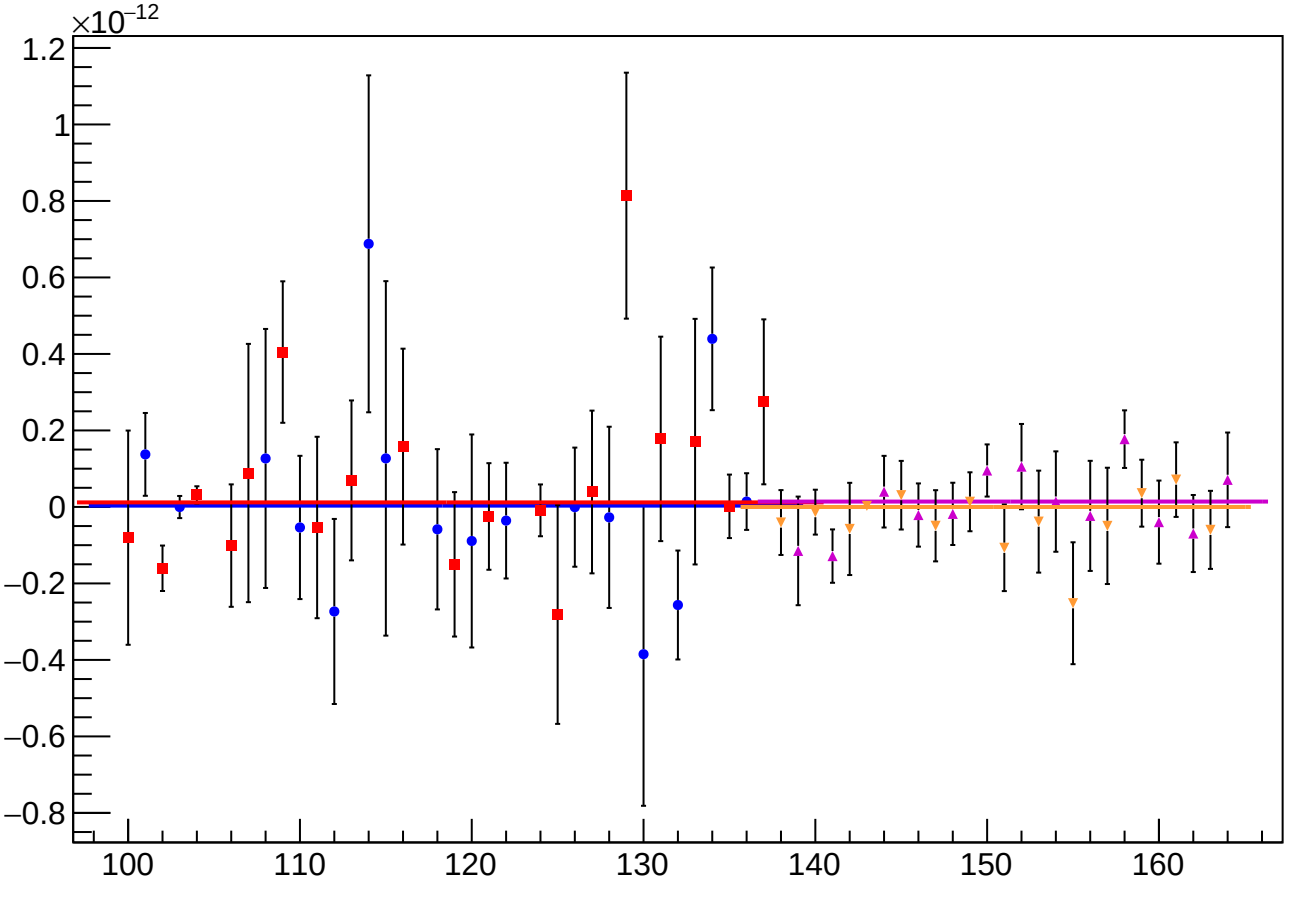
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

+ sign 188.802+/-0.037 χ^2/NDF: 8798470.0/29

All: 183.770+/-0.025 χ^2/NDF: 17889557.0/61

- 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:5.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

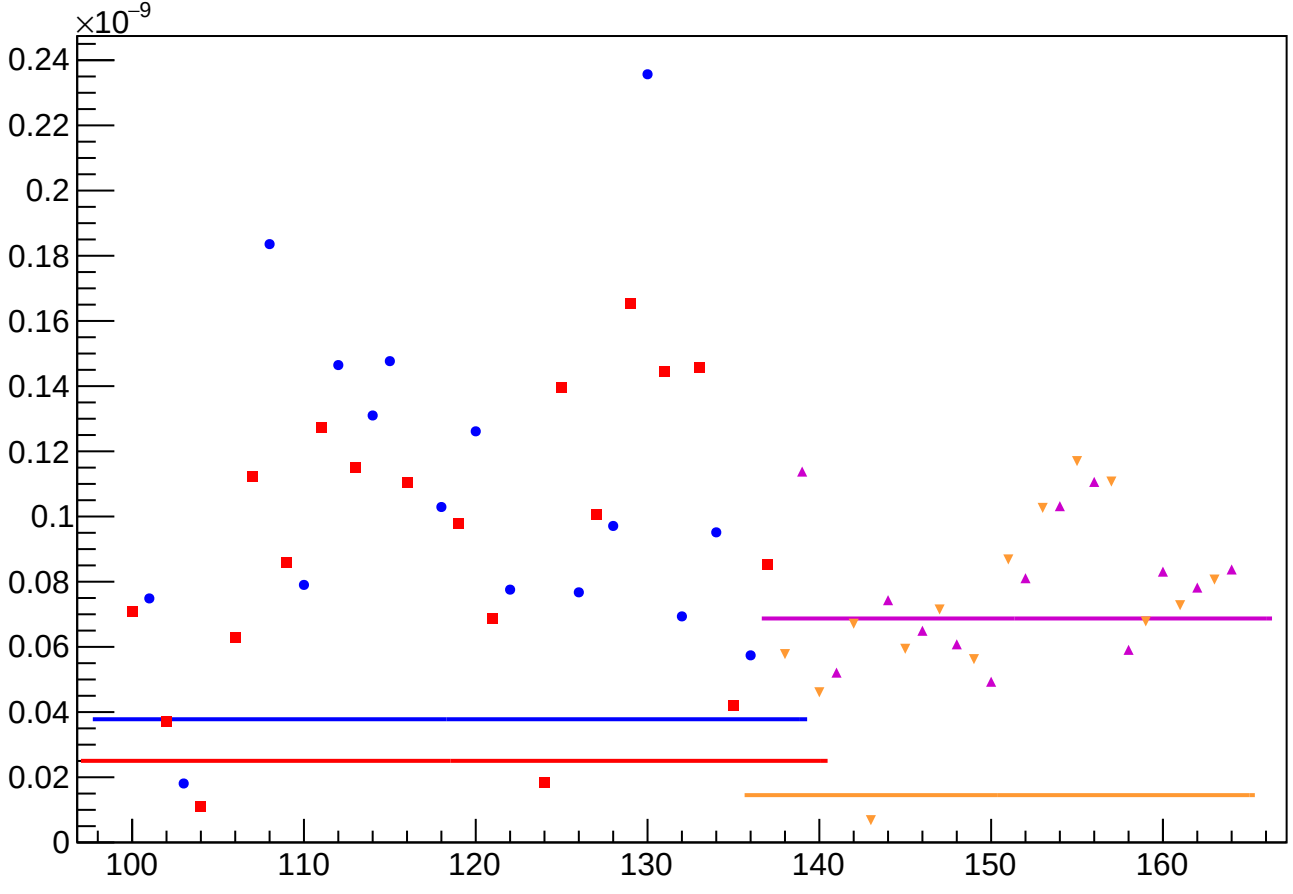
Left In: 0.000+/-0.000 χ^2/NDF:13.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/29

All: 0.000+/-0.000 χ^2/NDF: 60.3/61

- 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:10102613.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

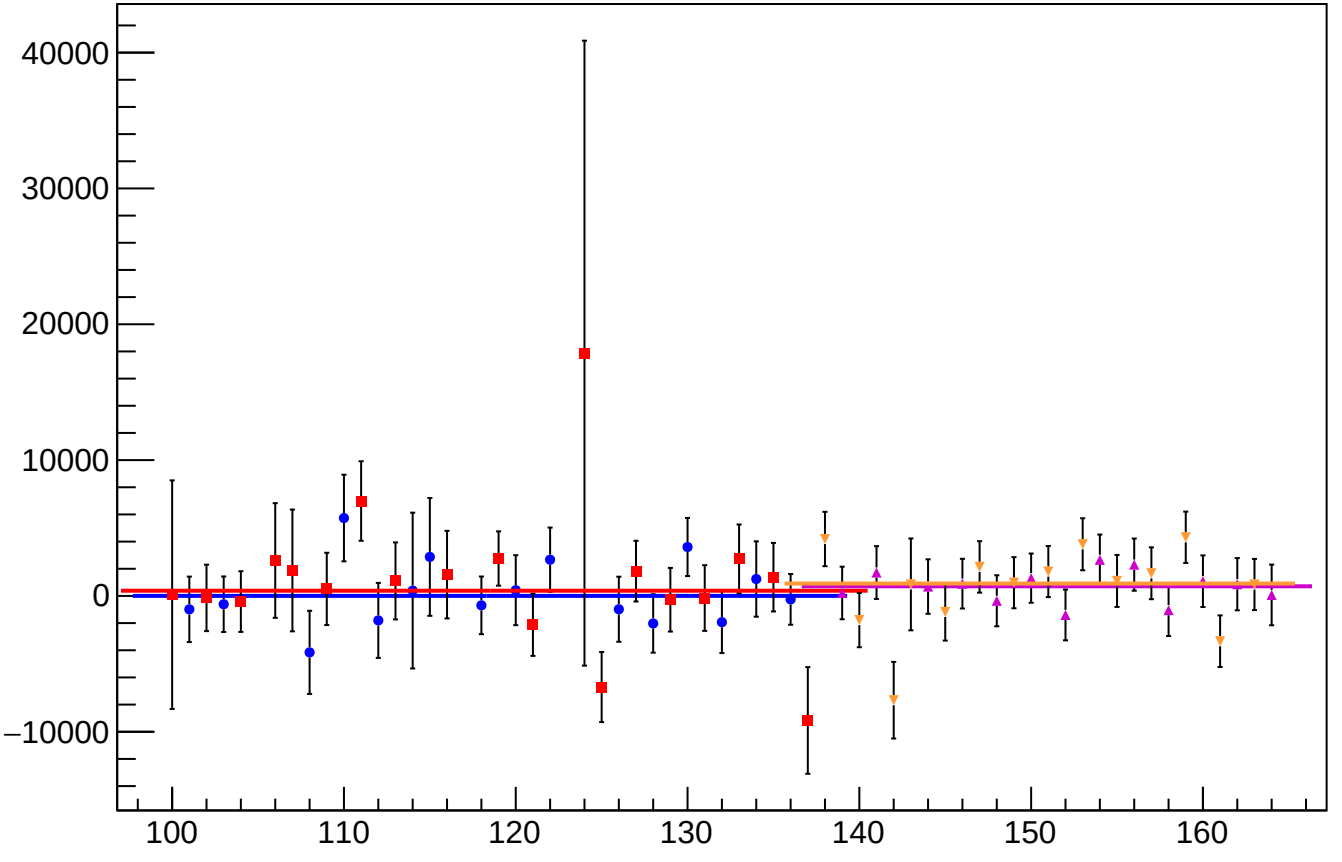
Left In: 0.000+/-0.000 χ^2/NDF:953861.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 15687359.9/29

All: 0.000+/-0.000 χ^2/NDF: 28365951.0/61

- 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: 913.374+/-539.034 χ^2/NDF:26.1/13

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

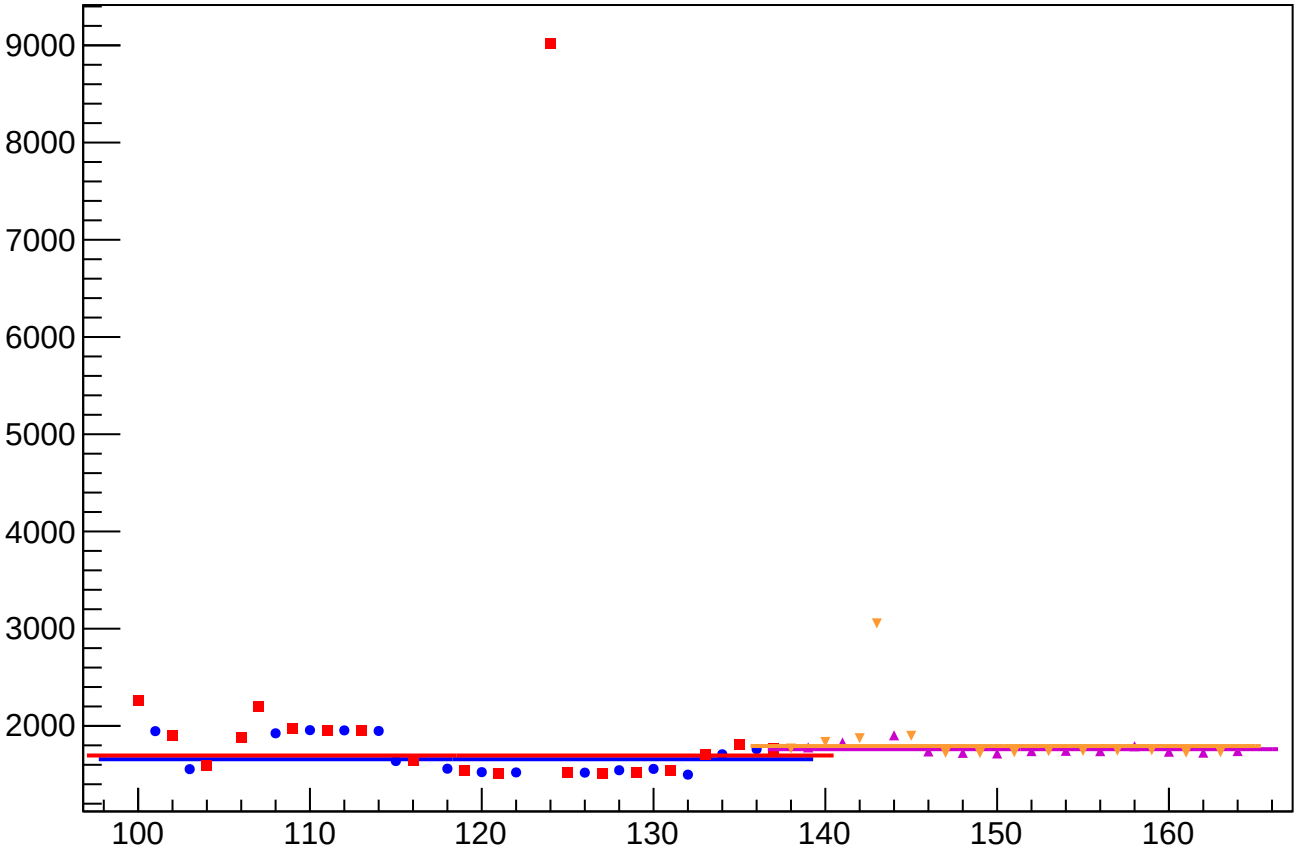
Left In: 709.751+/-531.742 χ^2/NDF:4.8/12

+ sign 521.996+/-406.763 χ^2/NDF: 39.8/29

All: 548.694+/-287.826 χ^2/NDF: 68.8/61

- 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: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

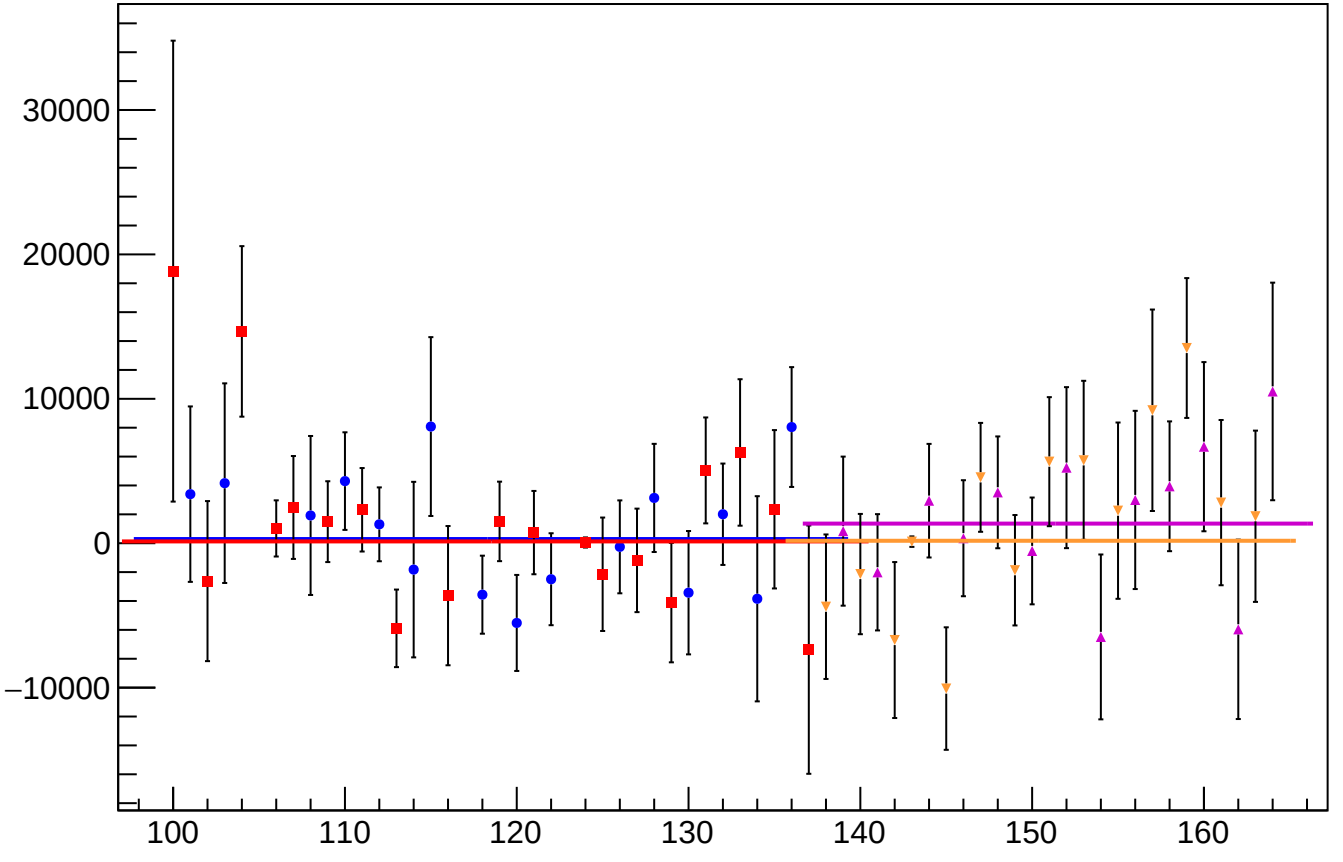
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.4/29

All: 1734.004+/-0.203 χ^2/NDF: 919079.7/61

- 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: 170.012+/-351.351 χ^2/NDF:22.5/13

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

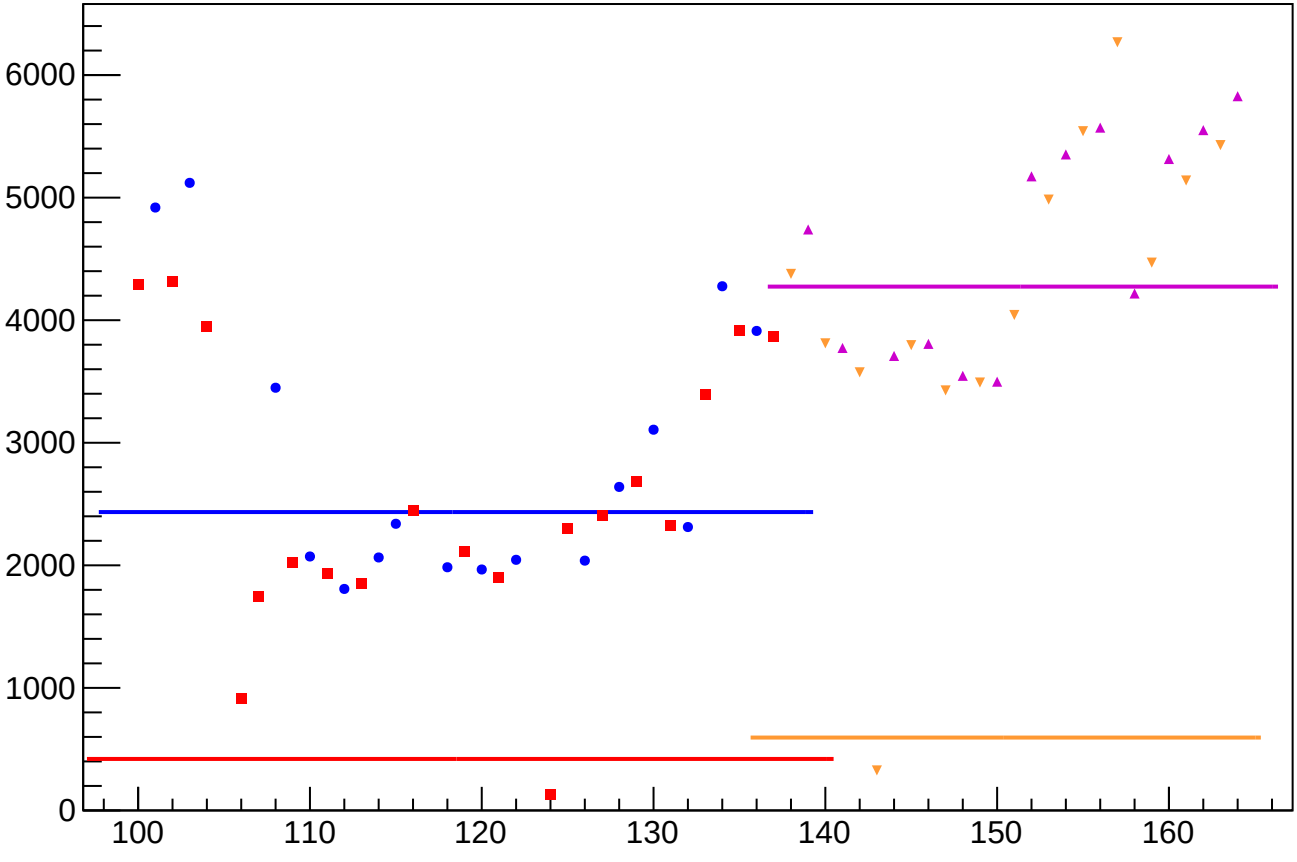
Left In: 1358.912+/-1316.429 χ^2/NDF:8.0/12

+ sign 184.071+/-329.991 χ^2/NDF: 37.7/29

All: 190.278+/-227.608 χ^2/NDF: 67.3/61

- 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: 594.786+/-0.248 χ^2/NDF:16417548.2/13

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

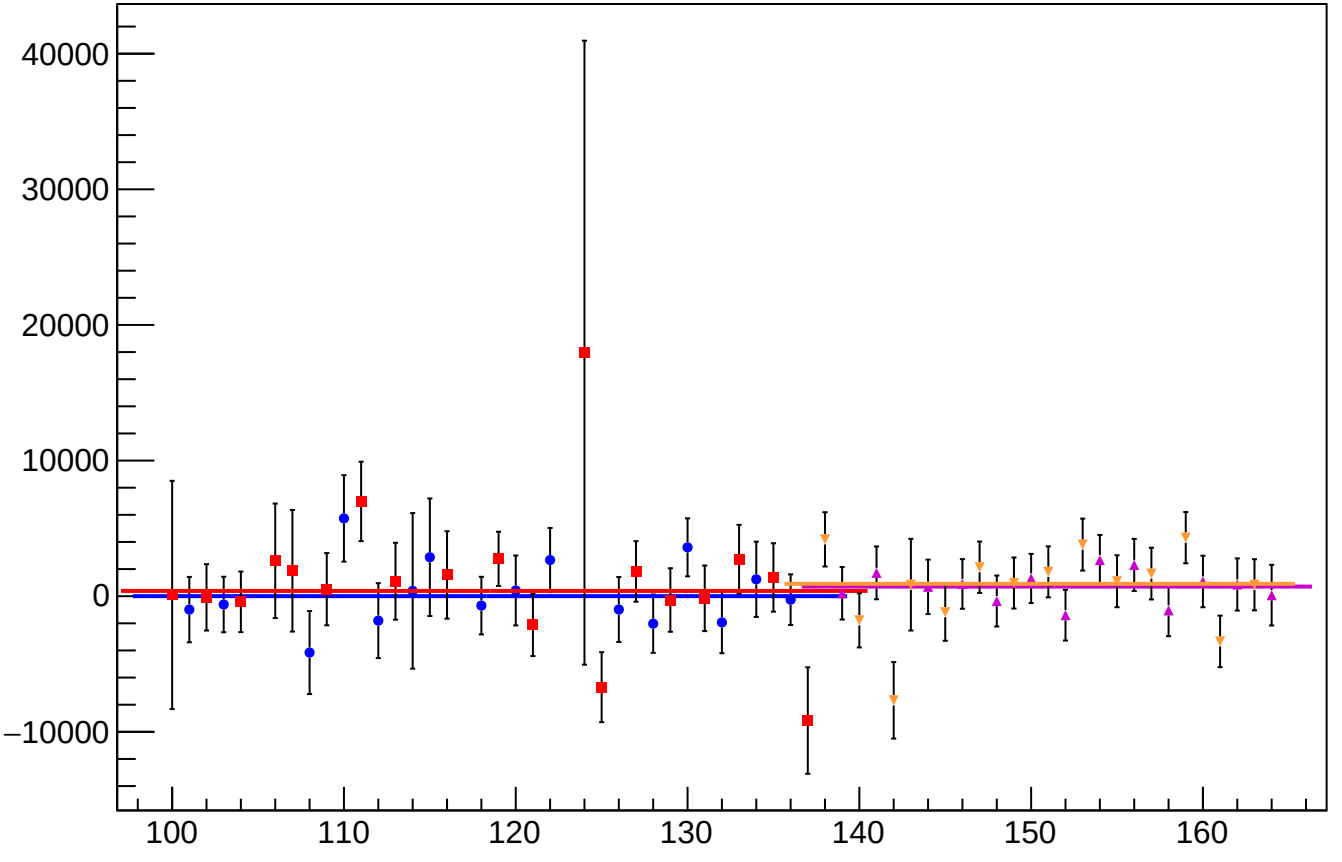
Left In: 4274.085+/-0.931 χ^2/NDF:719247.8/12

\+ sign 811.689+/-0.233 χ^2/NDF: 24340506.5/29

All: 721.699+/-0.161 χ^2/NDF: 52570126.5/61

\- 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: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

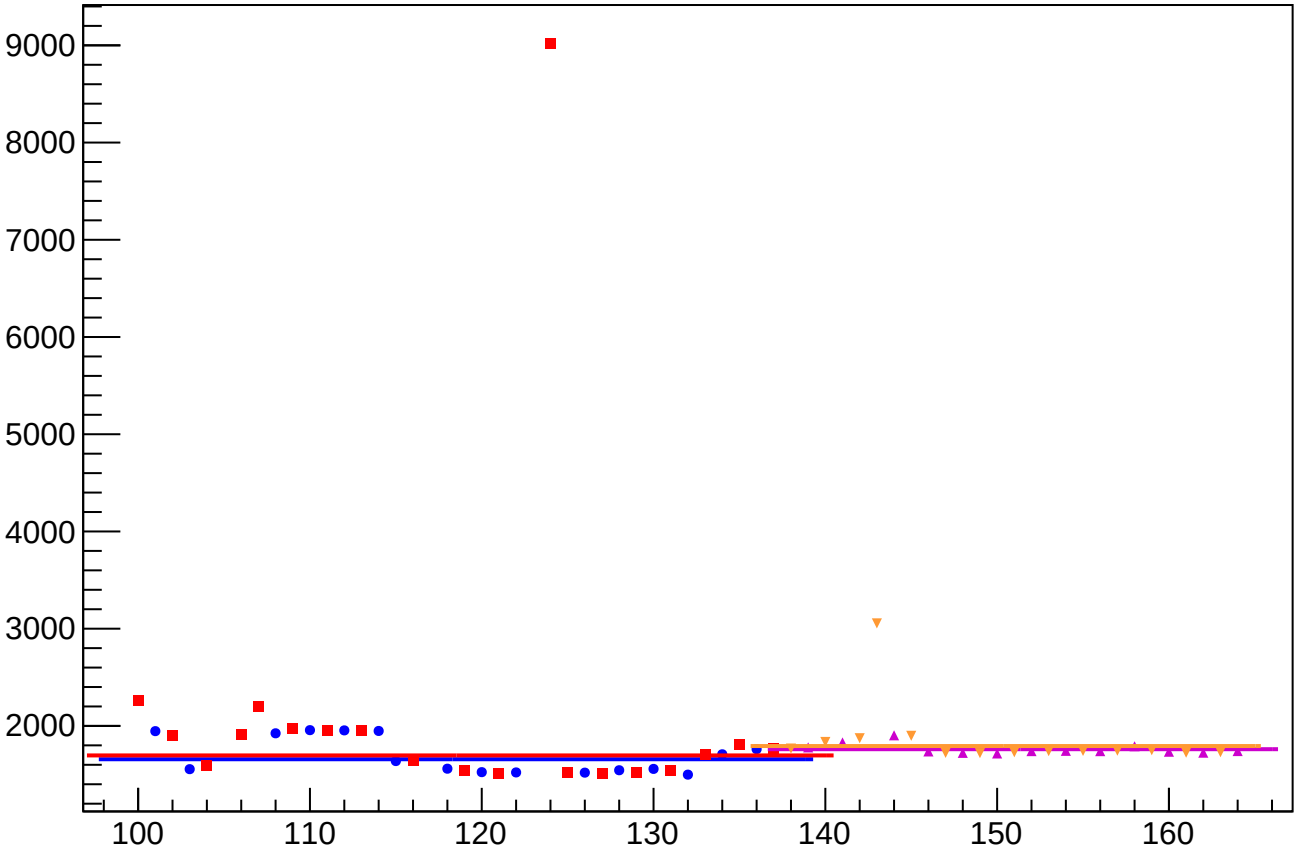
Left In: 709.762+/-531.742 χ^2/NDF:4.8/12

+ sign 521.908+/-406.763 χ^2/NDF: 39.8/29

All: 549.540+/-287.826 χ^2/NDF: 68.8/61

- 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: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

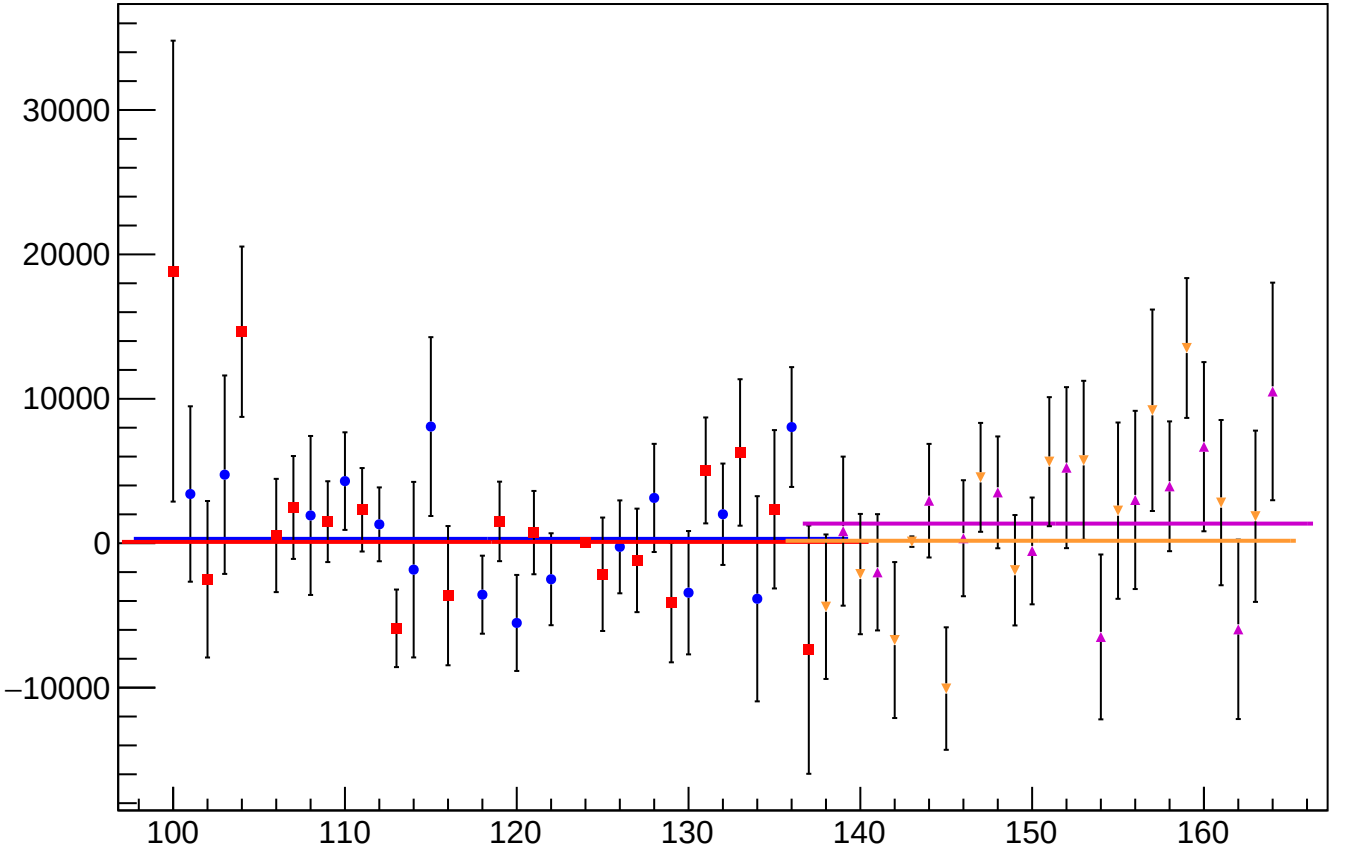
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.6/29

All: 1734.177+/-0.203 χ^2/NDF: 920527.8/61

- 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: 170.444+/-351.325 χ^2/NDF:22.5/13

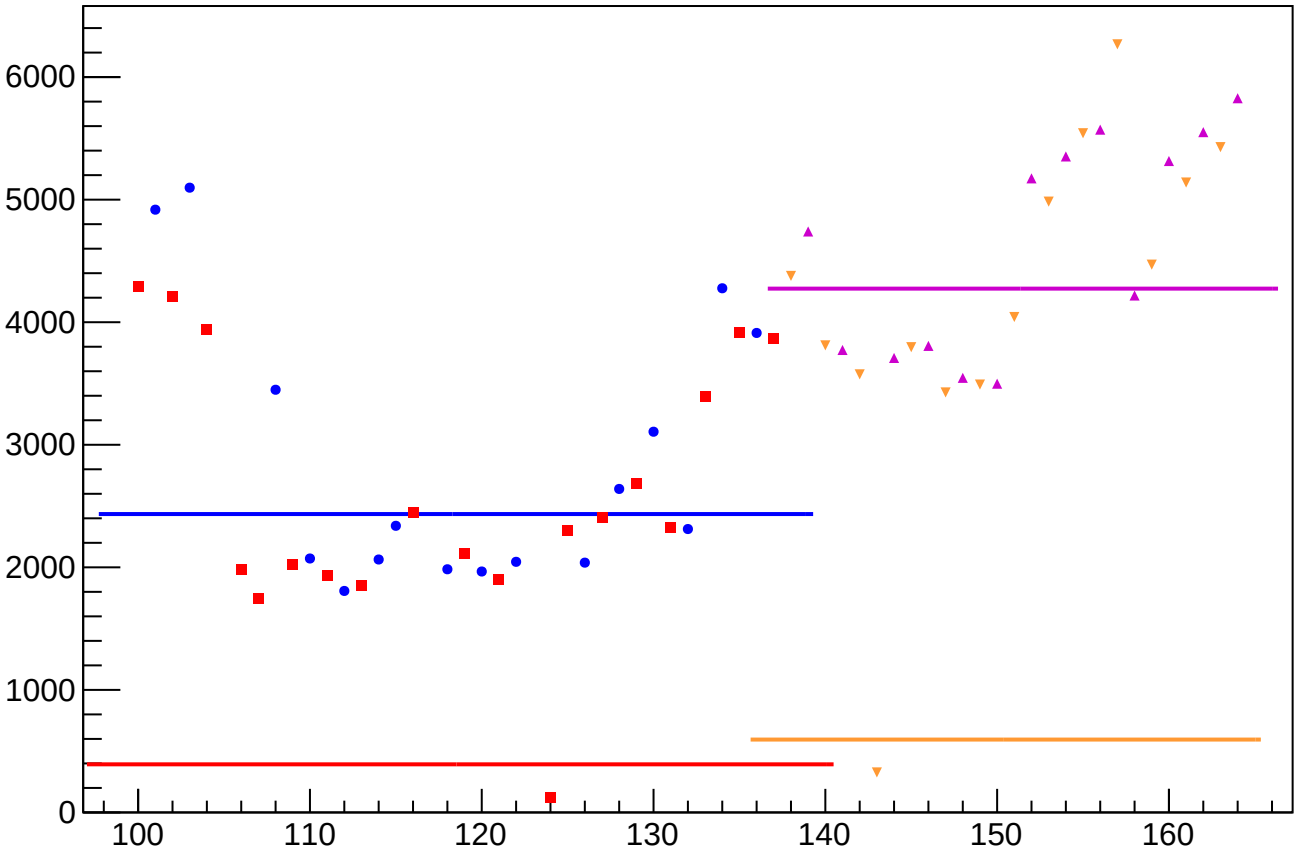
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1358.939+/-1316.428 χ^2/NDF:8.0/12

+ sign 185.936+/-329.965 χ^2/NDF: 37.8/29

All: 172.655+/-224.781 χ^2/NDF: 67.3/61

- sign 161.154+/-307.048 χ^2/NDF: 29.5/31



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

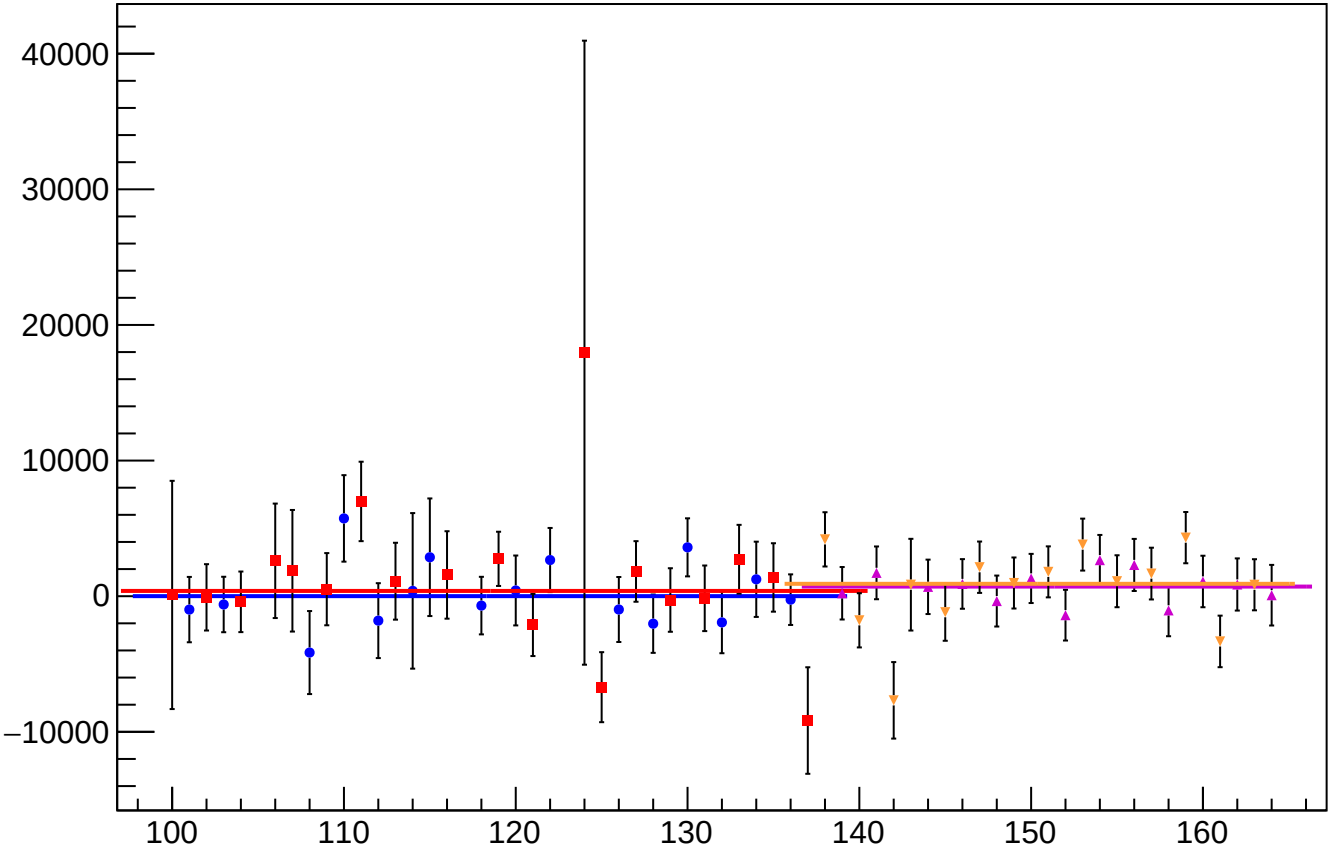
Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

\+ sign 811.669+/-0.233 χ^2/NDF: 24342350.2/29

All: 700.279+/-0.159 χ^2/NDF: 53335660.3/61

\- 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: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

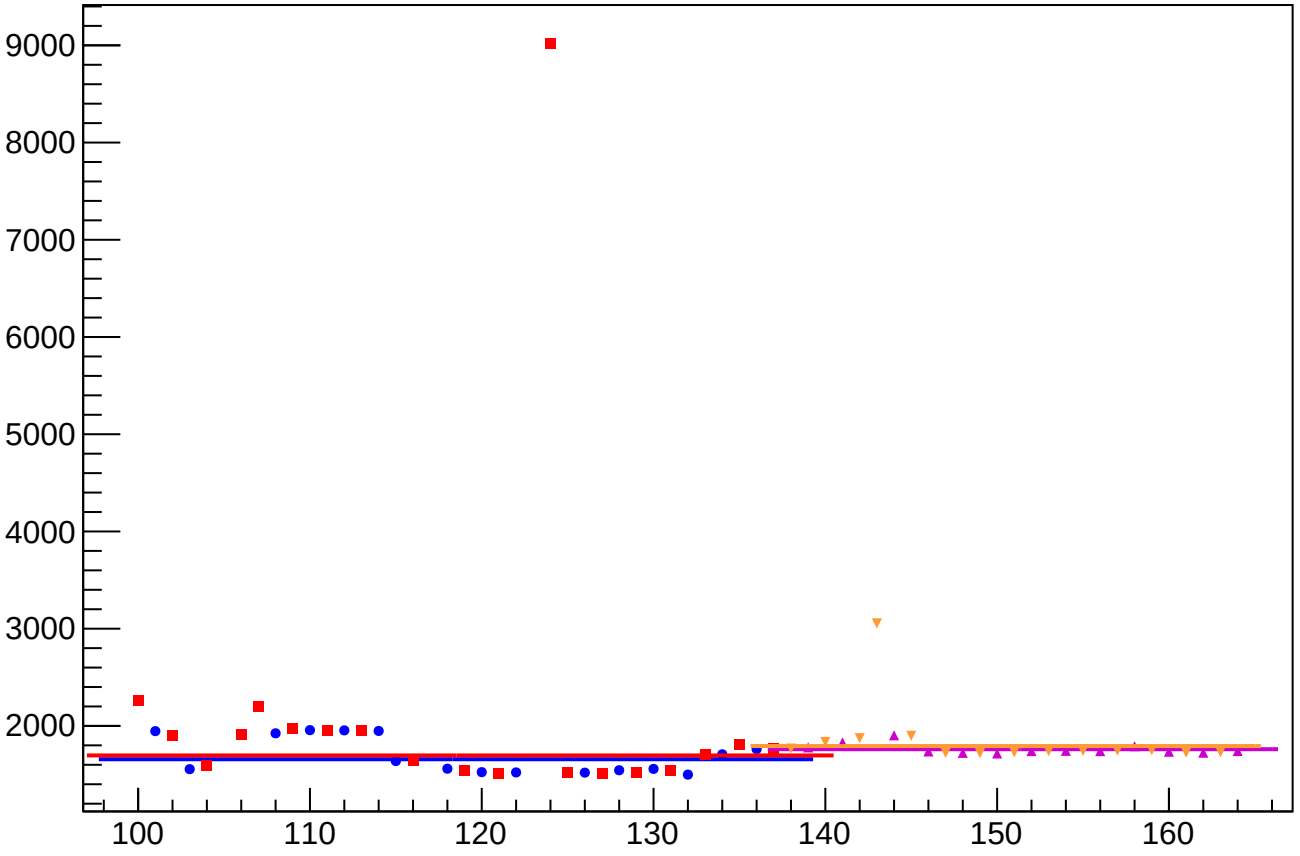
Left In: 709.762+/-531.742 χ^2/NDF:4.8/12

+ sign 521.908+/-406.763 χ^2/NDF: 39.8/29

All: 549.540+/-287.826 χ^2/NDF: 68.8/61

- 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: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

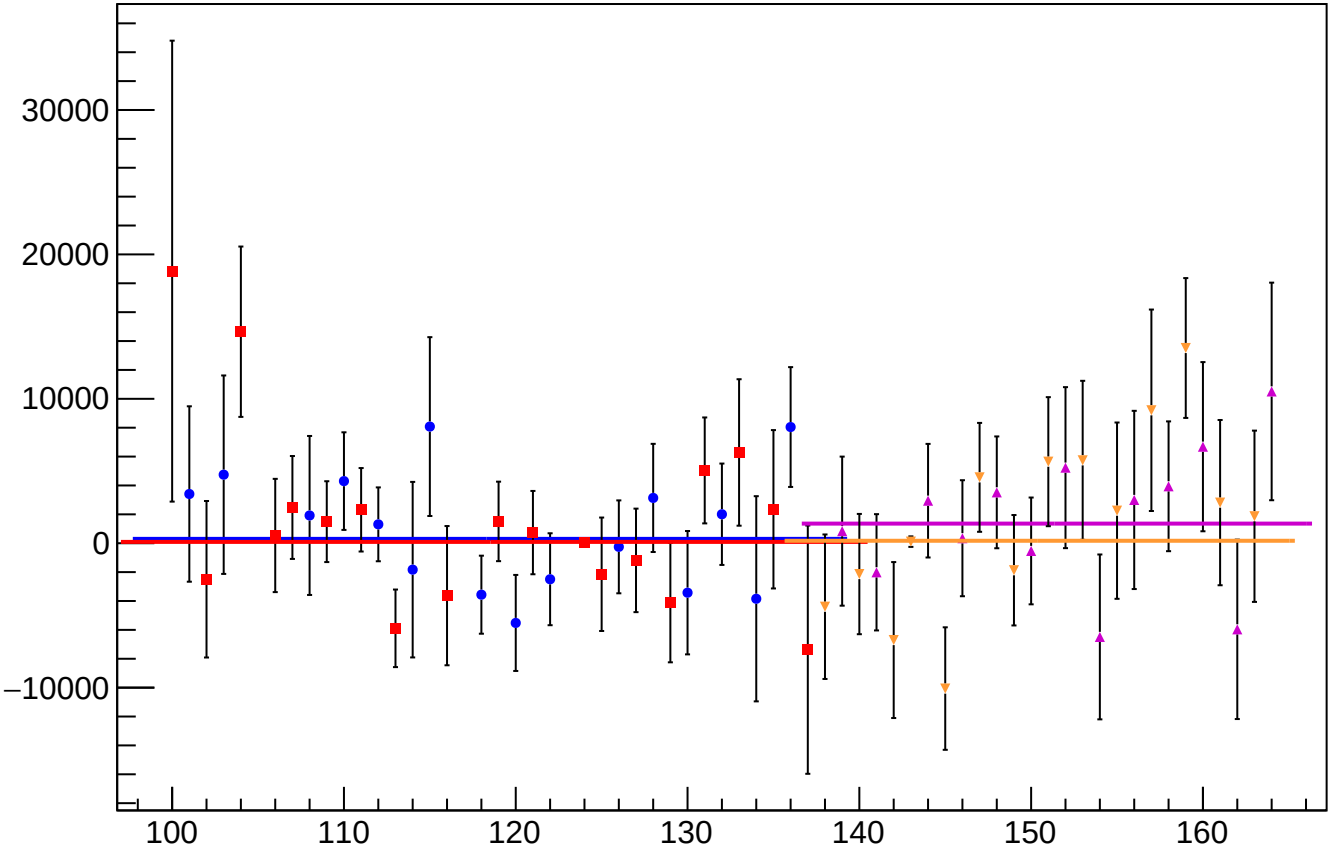
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.6/29

All: 1734.177+/-0.203 χ^2/NDF: 920527.8/61

- 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: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

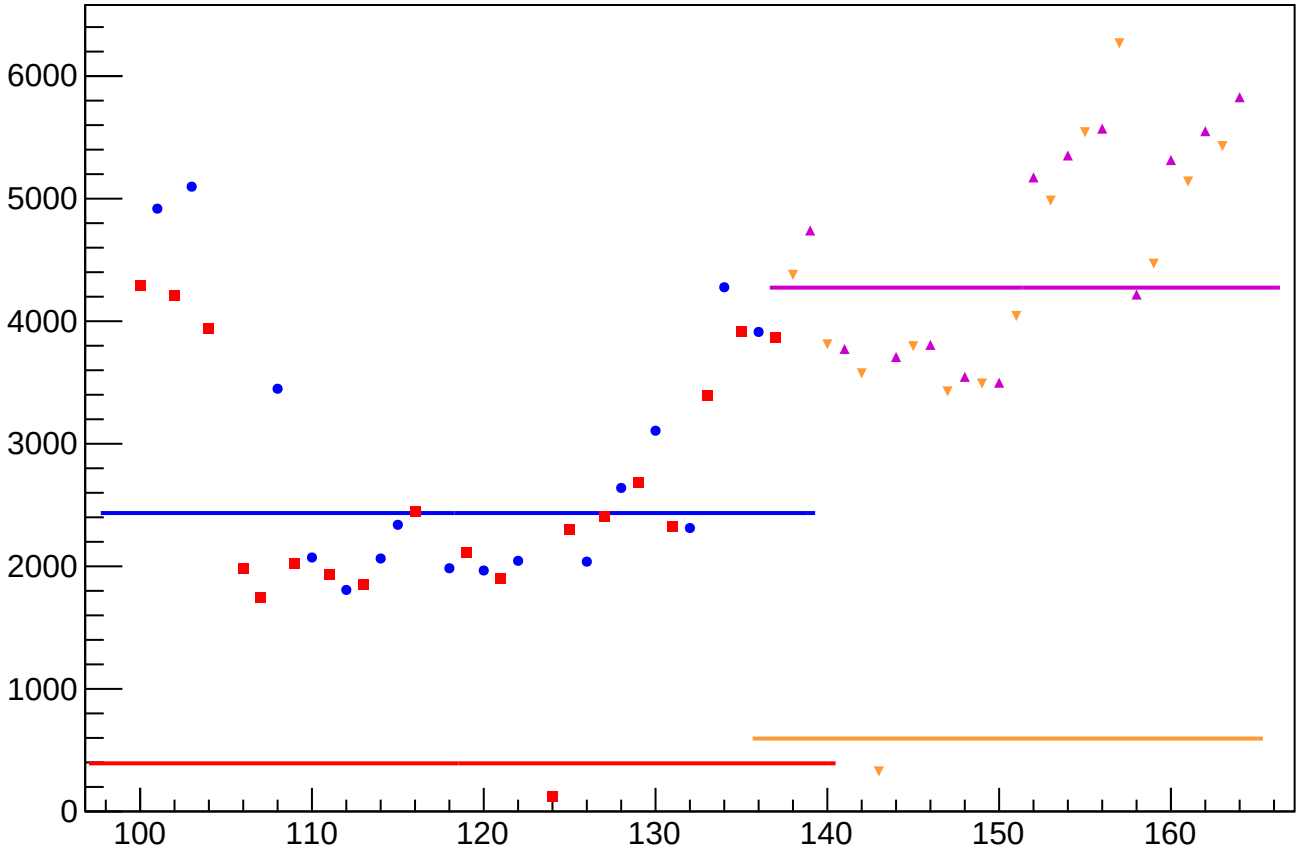
Left In: 1358.939+/-1316.428 χ^2/NDF:8.0/12

+ sign 185.936+/-329.965 χ^2/NDF: 37.8/29

All: 172.655+/-224.781 χ^2/NDF: 67.3/61

- 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: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

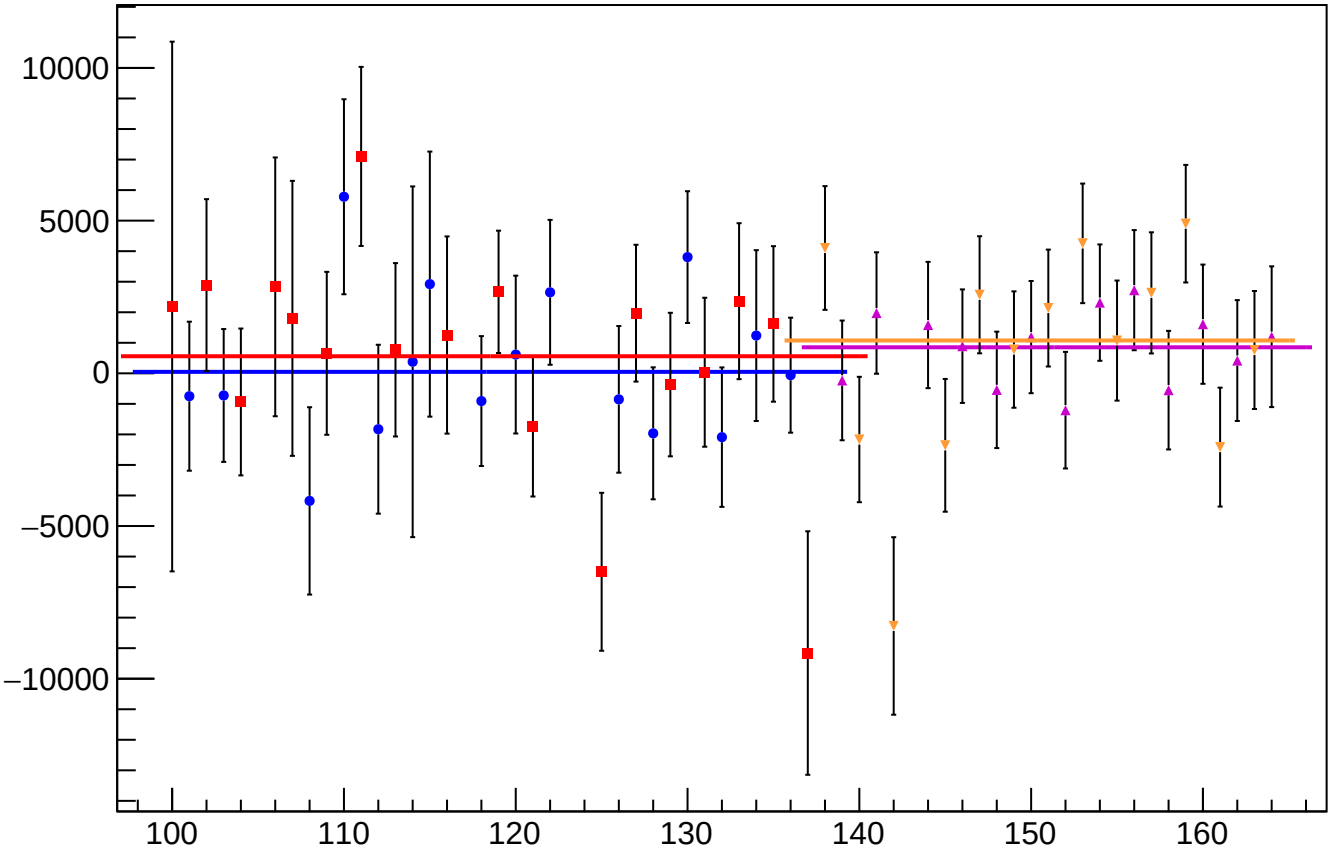
Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

\+ sign 811.669+/-0.233 χ^2/NDF: 24342350.2/29

All: 700.279+/-0.159 χ^2/NDF: 53335660.3/61

\- 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: 1076.488+/-558.448 χ^2/NDF:29.0/12

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

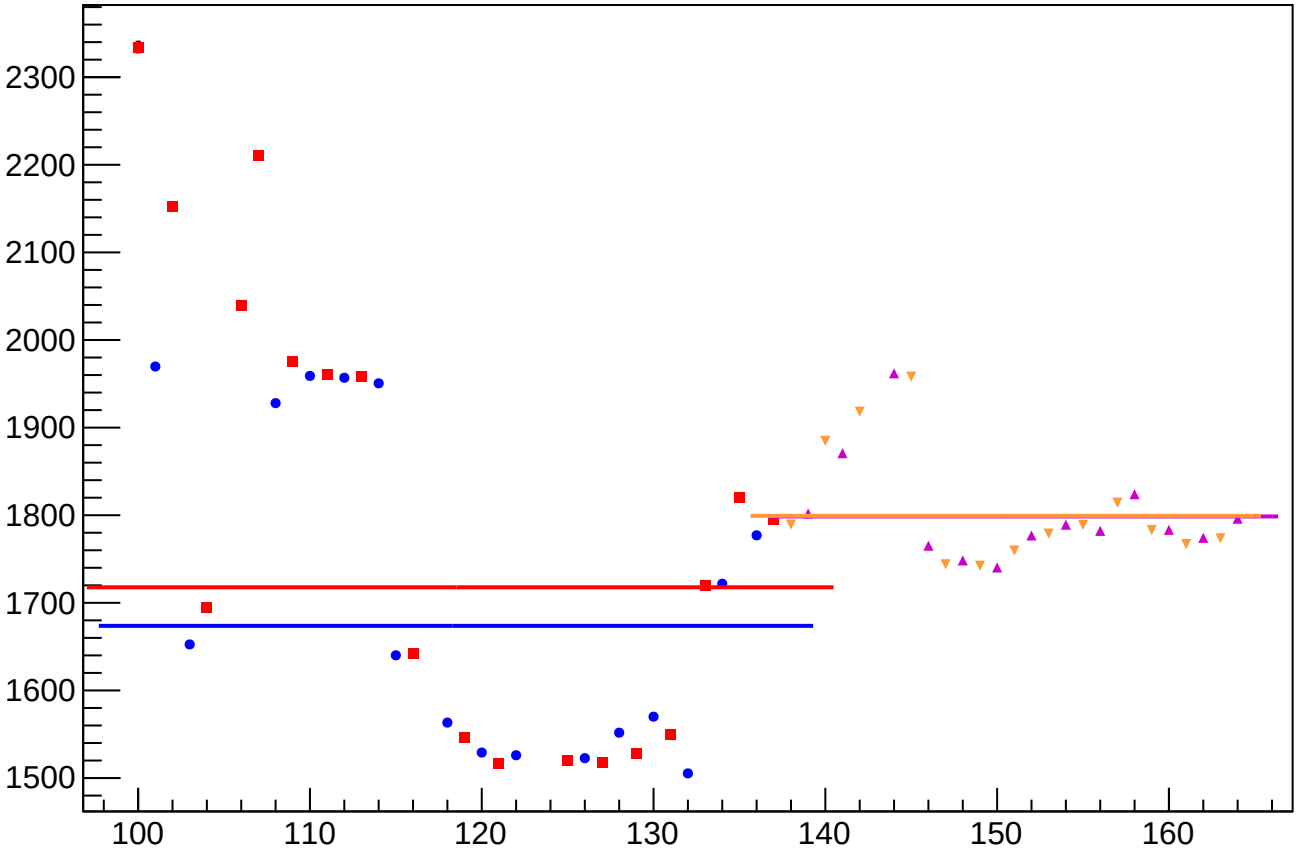
Left In: 852.692+/-543.303 χ^2/NDF:4.7/12

+ sign 620.980+/-416.771 χ^2/NDF: 43.3/28

All: 676.199+/-294.290 χ^2/NDF: 71.4/59

- 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: 1799.337+/-0.395 χ^2/NDF:23298.3/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

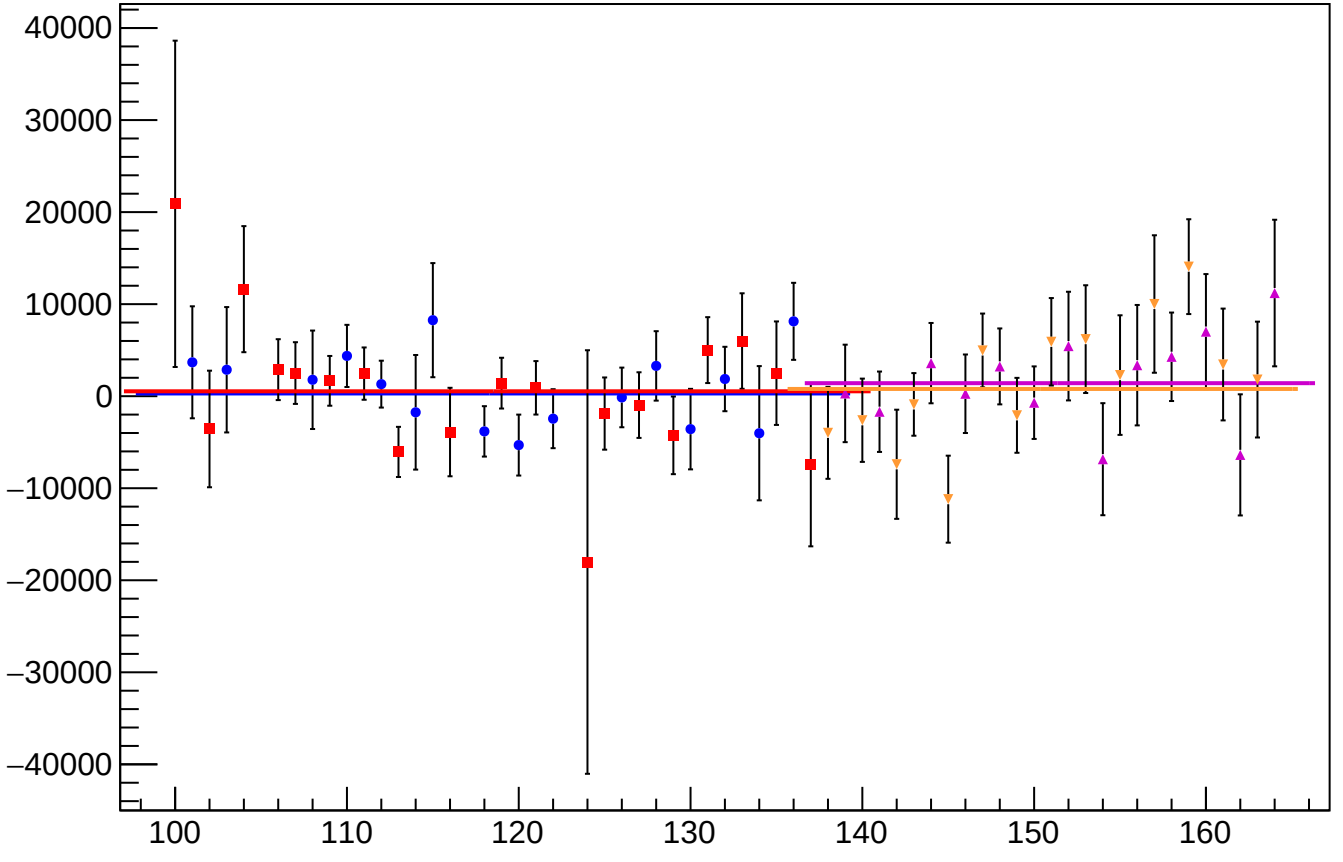
Left In: 1798.585+/-0.384 χ^2/NDF:20382.6/12

+ sign 1743.688+/-0.295 χ^2/NDF: 208998.5/28

All: 1754.357+/-0.208 χ^2/NDF: 478066.8/59

- 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: 786.235+/-1317.372 χ^2/NDF:22.1/13

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

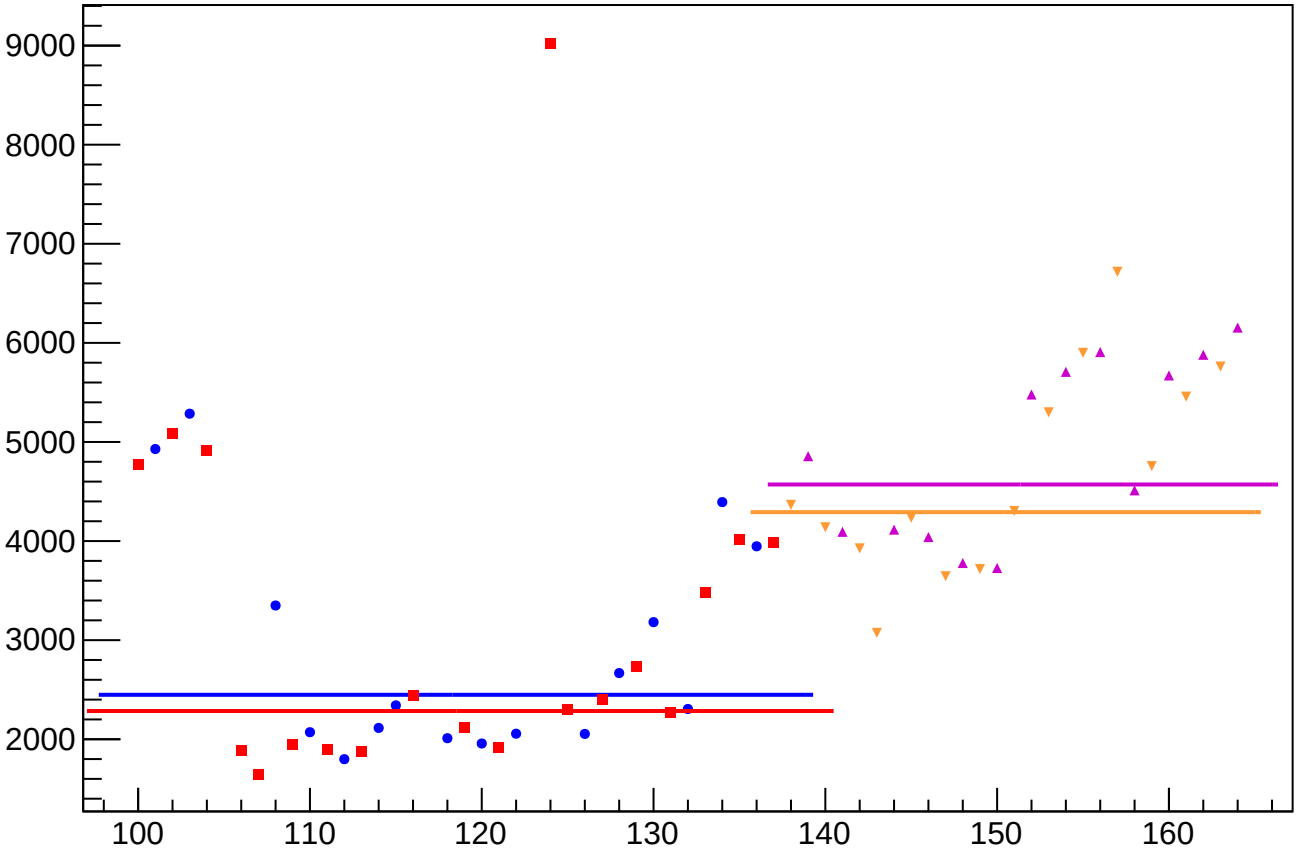
Left In: 1413.547+/-1406.536 χ^2/NDF:7.8/12

\+ sign 467.455+/-778.314 χ^2/NDF: 37.4/29

All: 630.305+/-539.477 χ^2/NDF: 64.4/61

\- 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: 4291.806+/-0.932 χ^2/NDF:950706.7/13

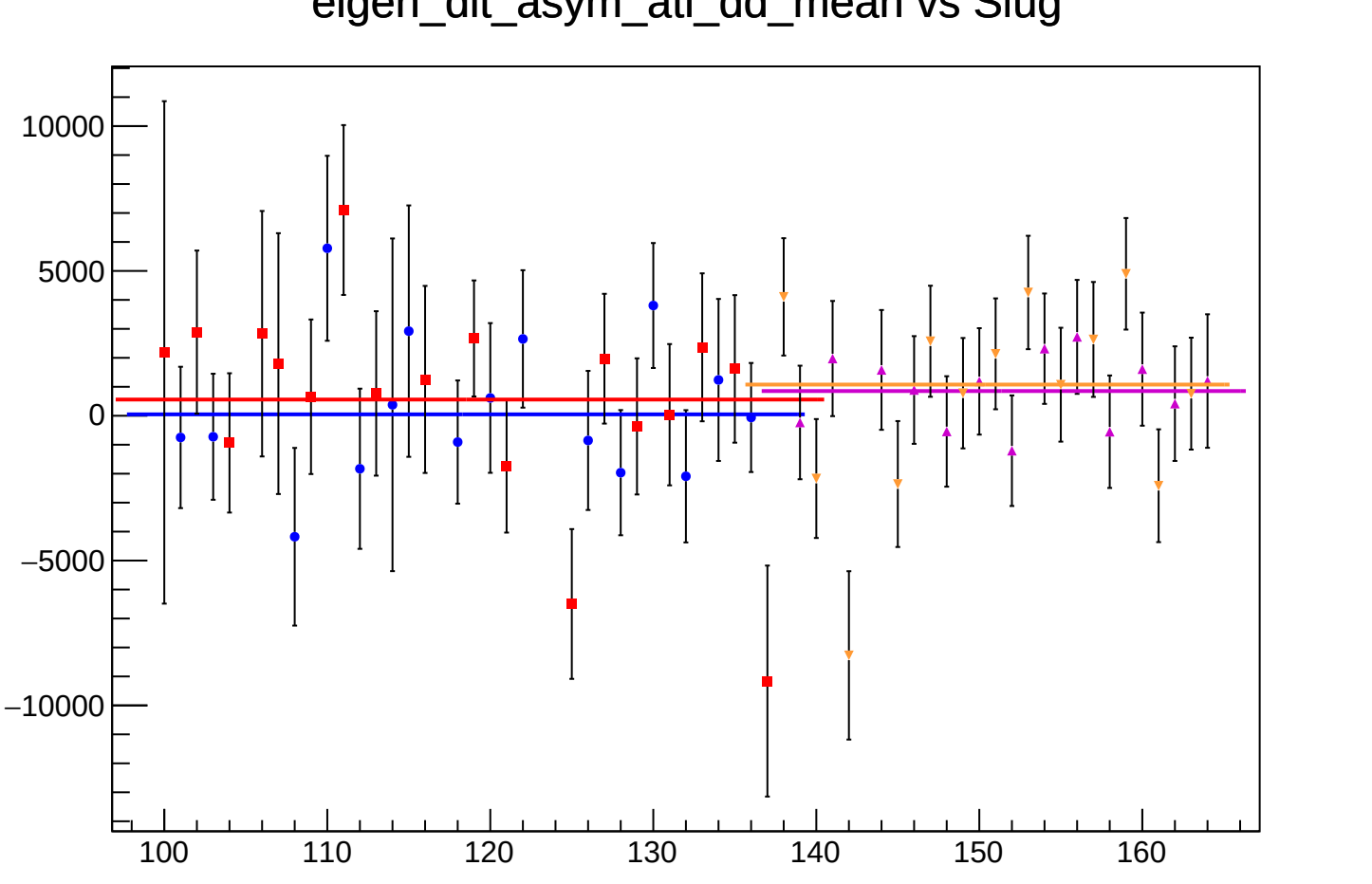
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4571.049+/-0.995 χ^2/NDF:668660.0/12

+ sign 3091.977+/-0.550 χ^2/NDF: 5016923.1/29

All: 3009.031+/-0.381 χ^2/NDF: 11065194.7/6

- sign 2932.331+/-0.529 χ^2/NDF: 6004552.3/31



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.491+/-558.448 χ^2/NDF:29.0/12

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

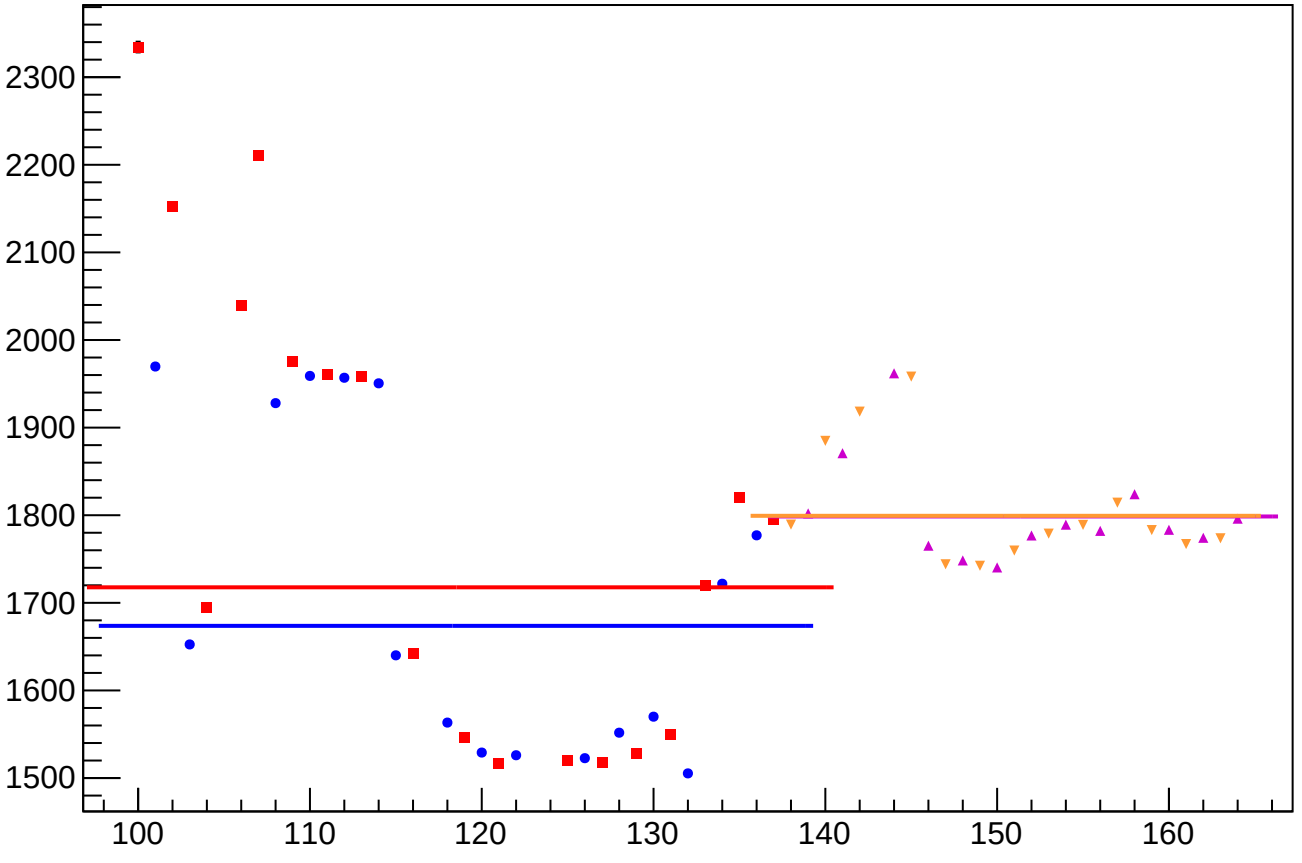
Left In: 852.693+/-543.303 χ^2/NDF:4.7/12

+ sign 620.981+/-416.771 χ^2/NDF: 43.3/28

All: 676.200+/-294.290 χ^2/NDF: 71.4/59

- 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: 1799.338+/-0.395 χ^2/NDF:23298.7/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

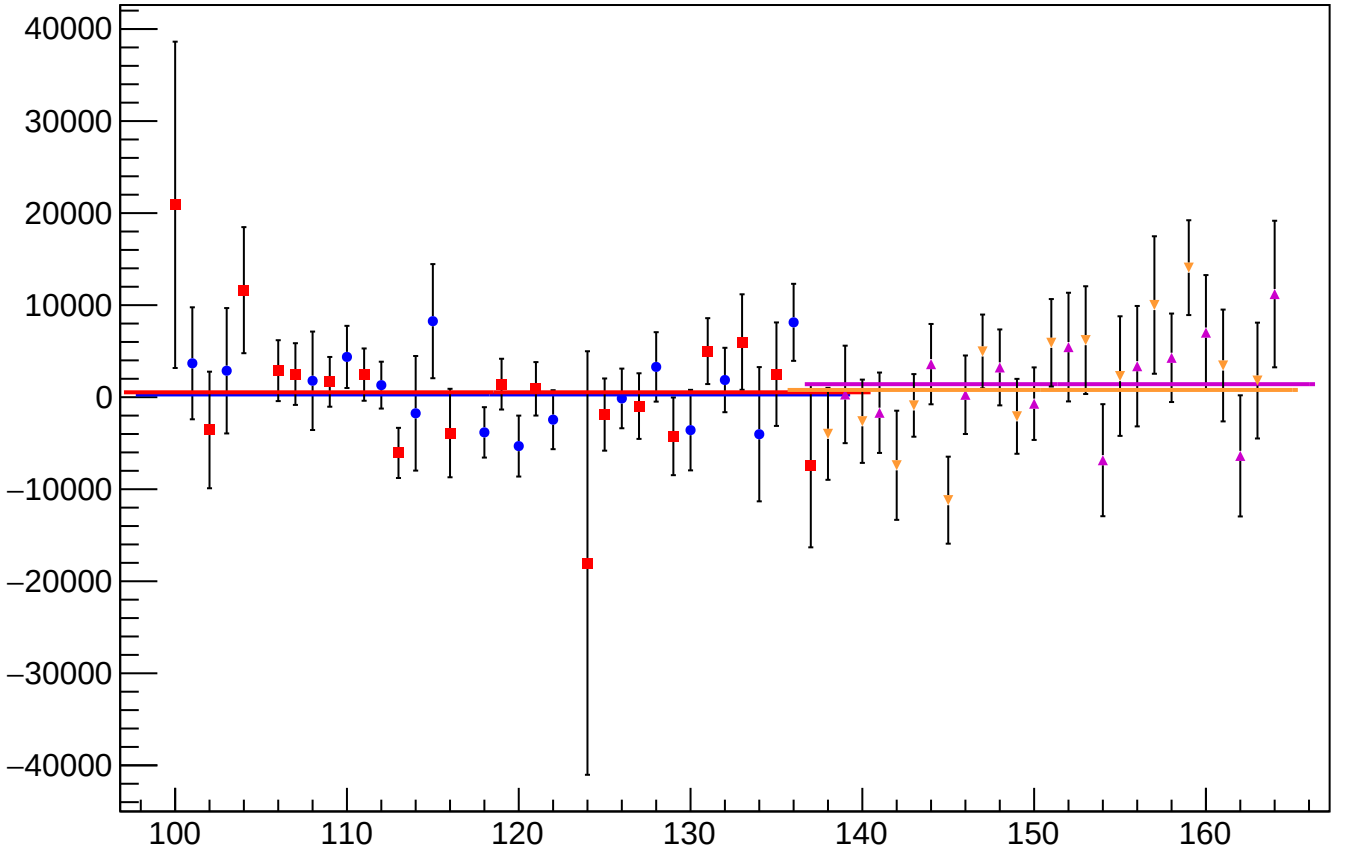
Left In: 1798.586+/-0.384 χ^2/NDF:20382.8/12

+ sign 1743.689+/-0.295 χ^2/NDF: 208999.9/28

All: 1754.358+/-0.208 χ^2/NDF: 478068.2/59

- sign 1764.947+/-0.294 χ^2/NDF: 266456.8/30

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 786.240+/-1317.374 χ^2/NDF:22.1/13

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

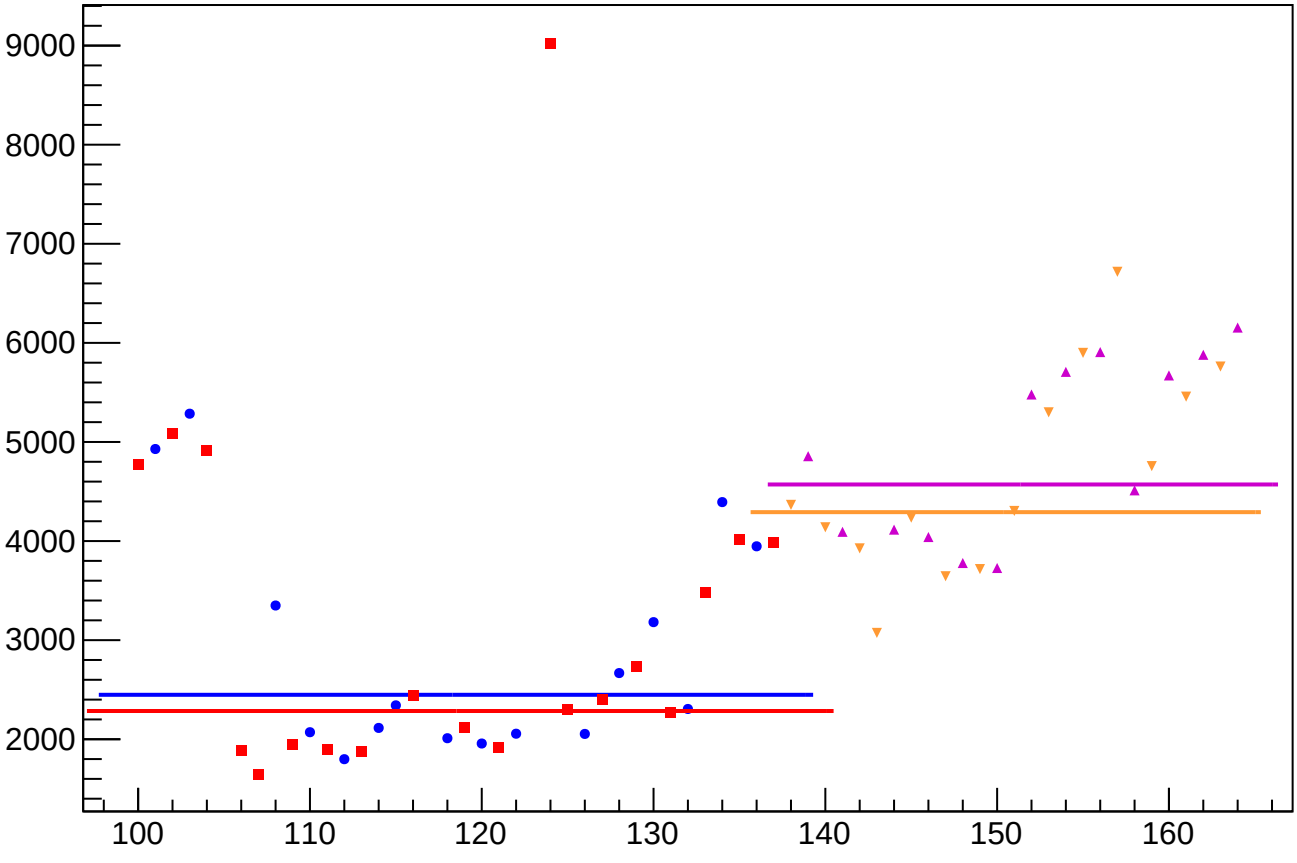
Left In: 1413.548+/-1406.538 χ^2/NDF:7.8/12

\+ sign 467.451+/-778.312 χ^2/NDF: 37.4/29

All: 630.303+/-539.476 χ^2/NDF: 64.4/61

\- 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: 4291.811+/-0.932 χ^2/NDF:950710.6/13

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

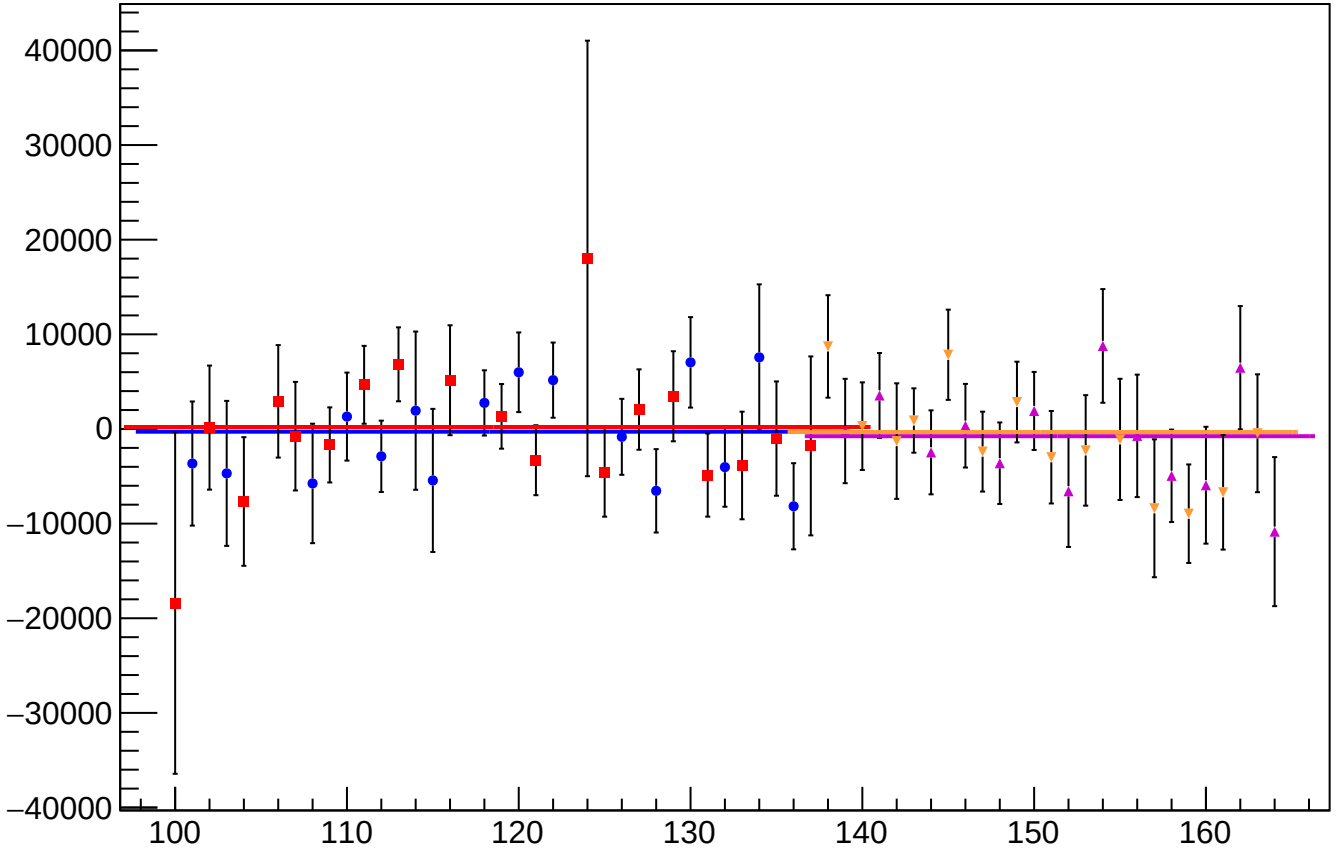
Left In: 4571.054+/-0.995 χ^2/NDF:668662.7/12

\+ sign 3091.967+/-0.550 χ^2/NDF: 5016985.3/29

All: 3009.021+/-0.381 χ^2/NDF: 11065315.2/6

\- 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: -324.546+/-1343.948 χ^2/NDF:12.2/13

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

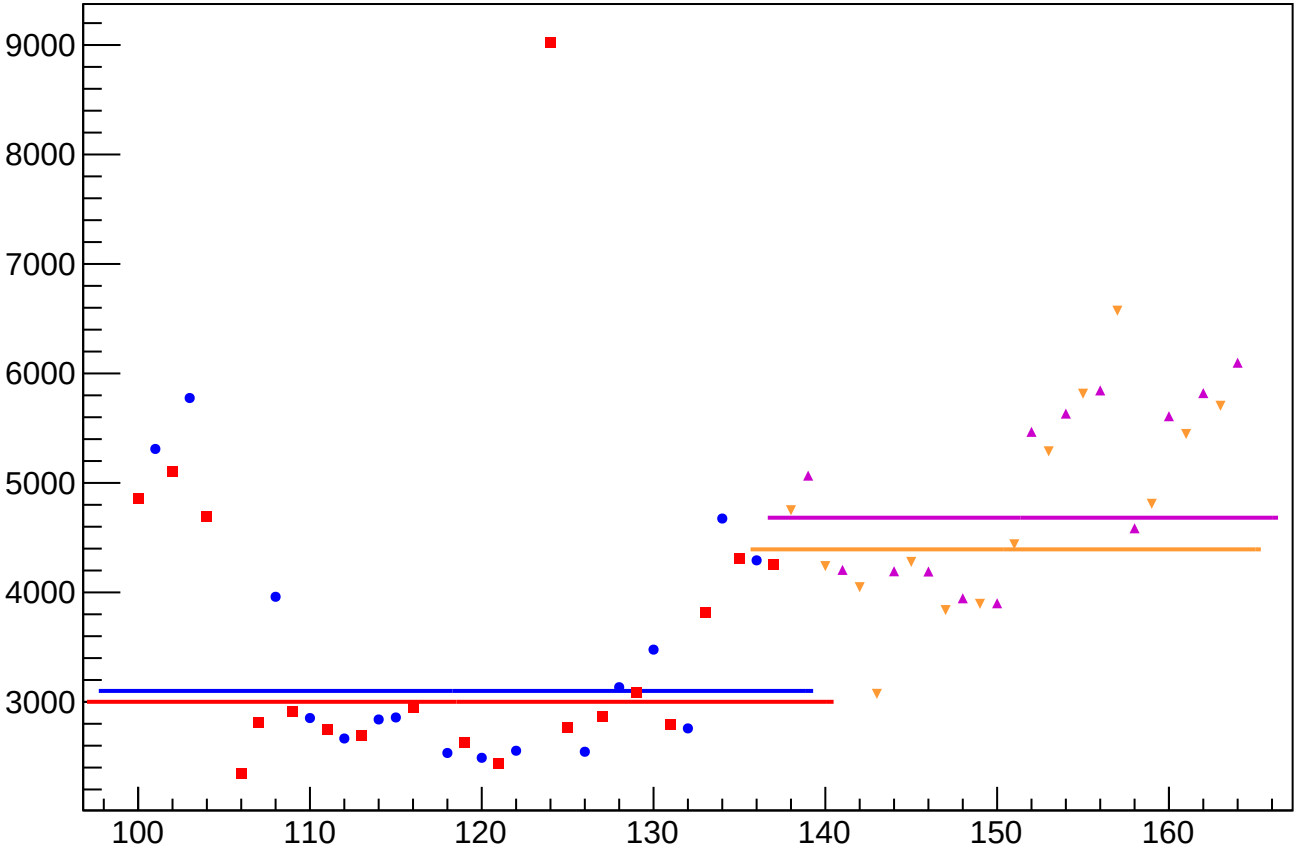
Left In: -763.946+/-1434.681 χ^2/NDF:9.8/12

+ sign -303.768+/-894.004 χ^2/NDF: 28.8/29

All: -238.662+/-633.945 χ^2/NDF: 51.7/61

- 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: 4393.150+/-0.950 χ^2/NDF:868489.4/13

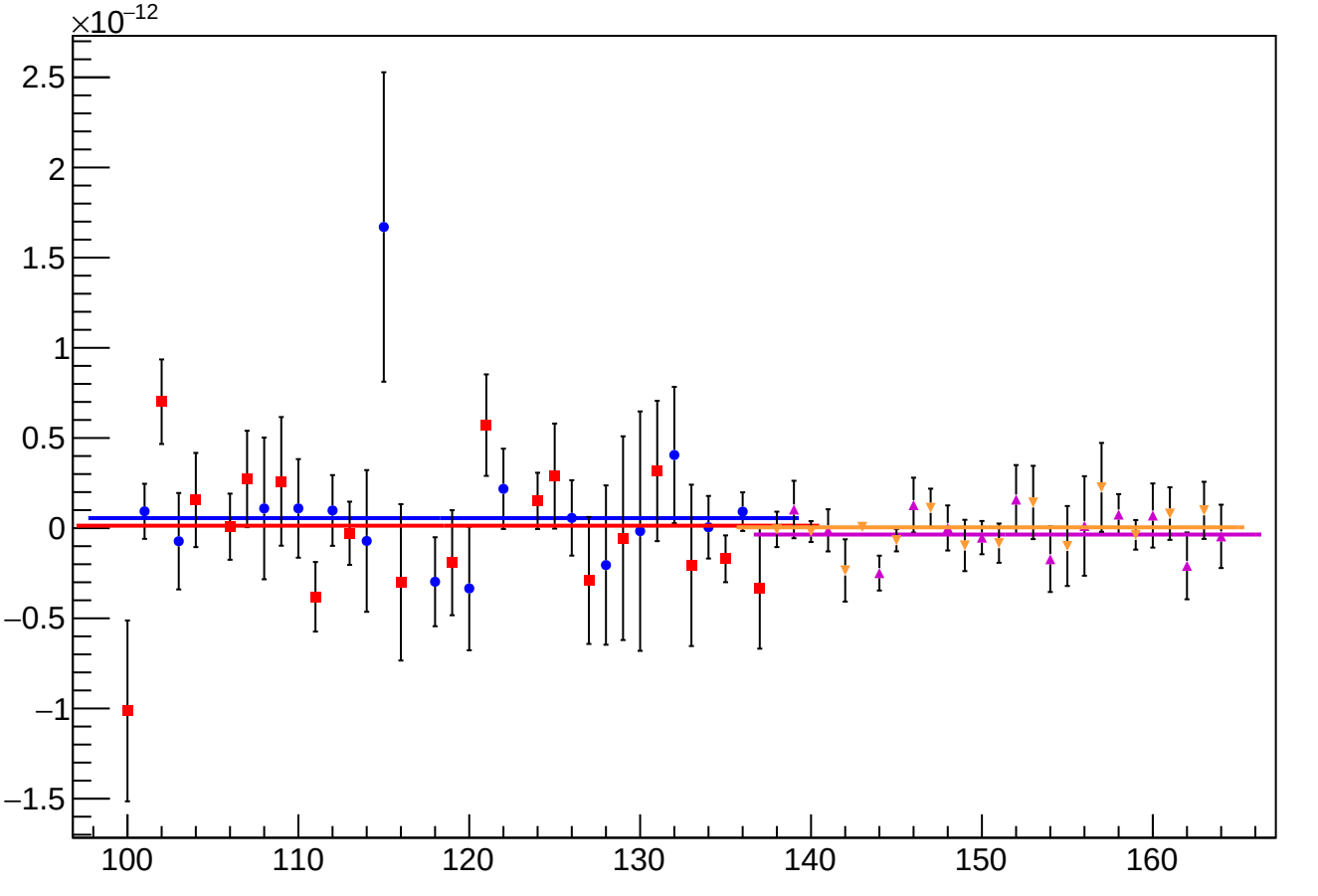
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4682.325+/-1.014 χ^2/NDF:533586.2/12

+ sign 3672.293+/-0.632 χ^2/NDF: 2864247.7/29

All: 3661.258+/-0.446 χ^2/NDF: 5891338.5/61

- sign 3650.281+/-0.630 χ^2/NDF: 3026483.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

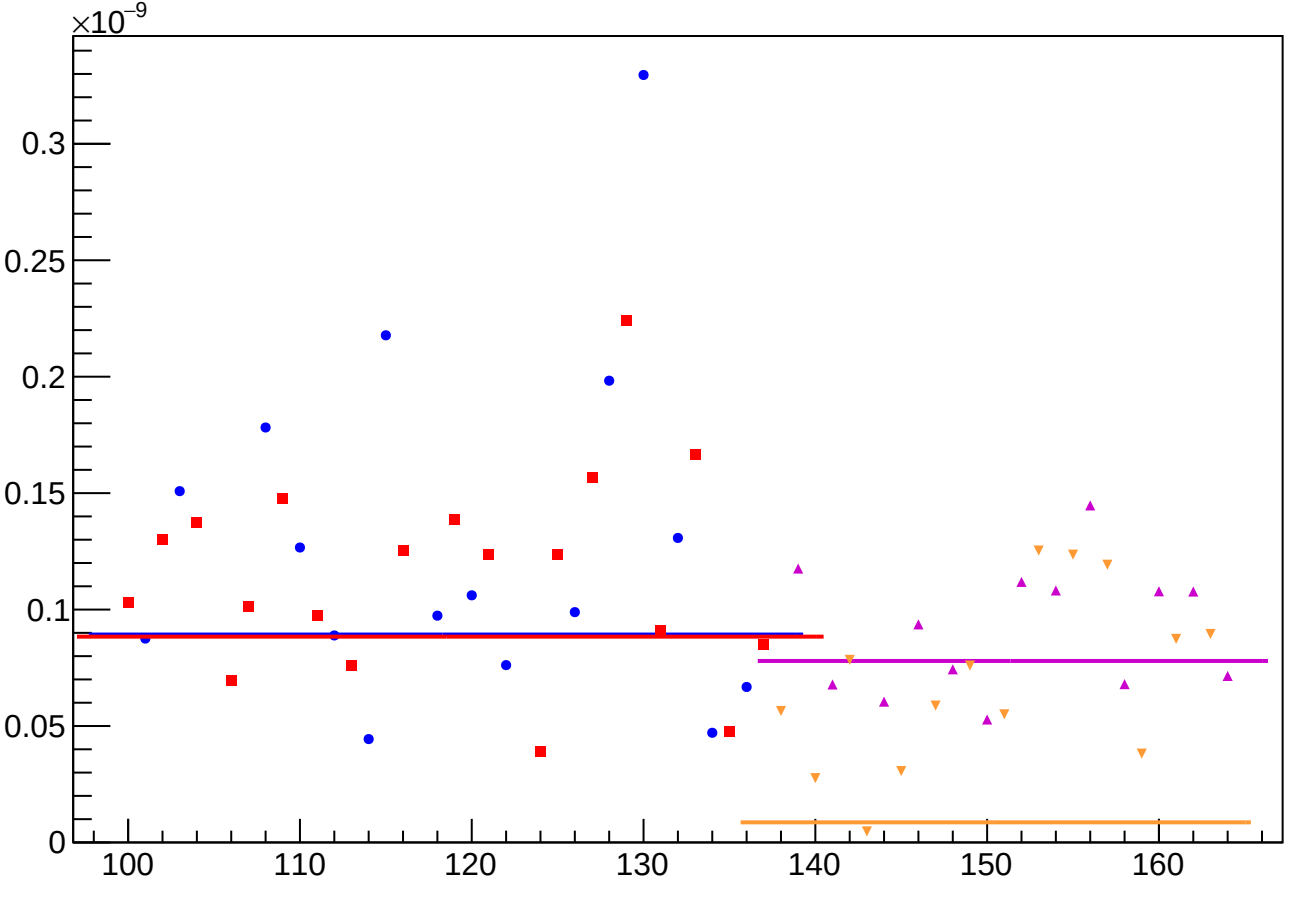
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/29

All: 0.000+/-0.000 χ^2/NDF: 60.1/61

- sign -0.000+/-0.000 χ^2/NDF: 41.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5870978.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

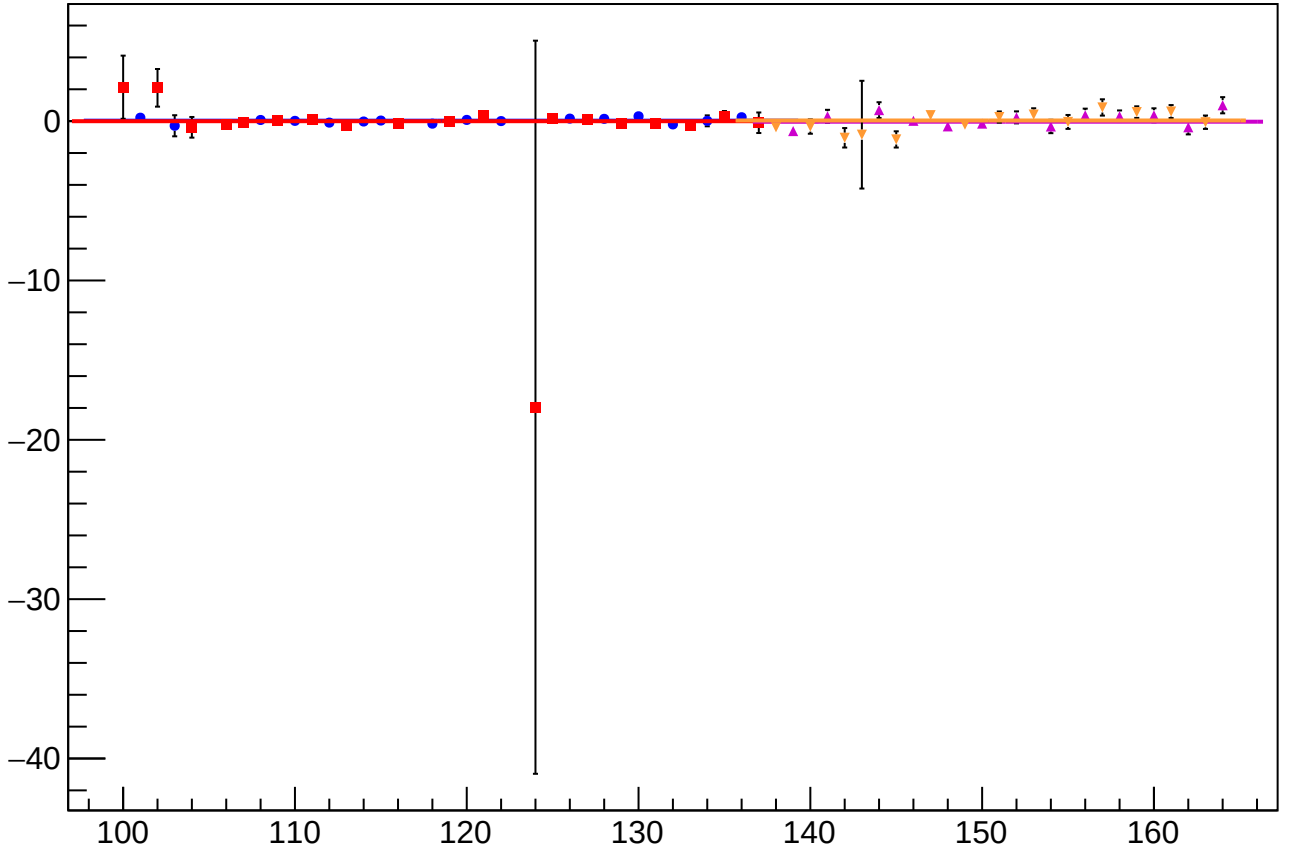
Left In: 0.000+/-0.000 χ^2/NDF:738459.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 10805381.4/29

All: 0.000+/-0.000 χ^2/NDF: 22039633.2/61

- sign 0.000+/-0.000 χ^2/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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

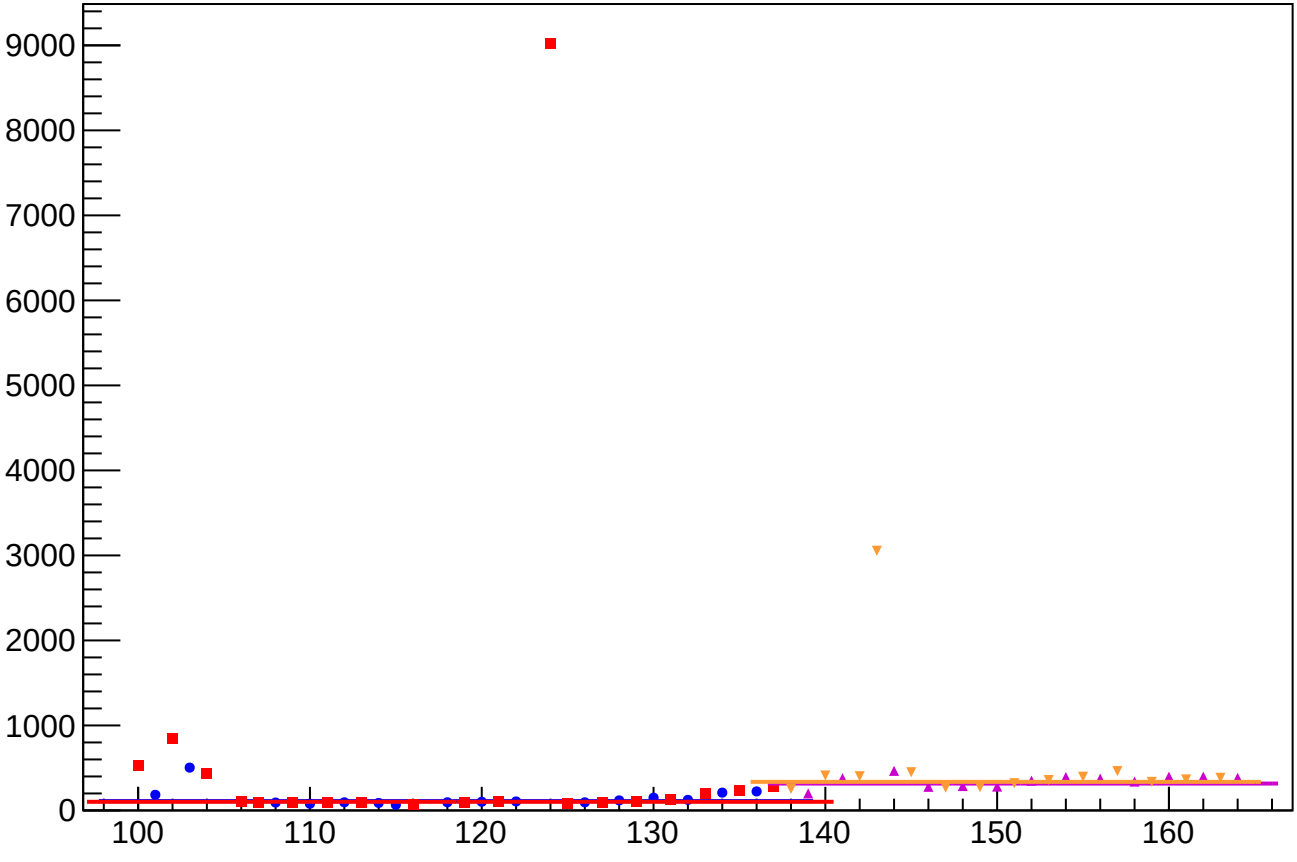
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.010+/-0.029 χ^2/NDF: 72.1/61

- 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: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

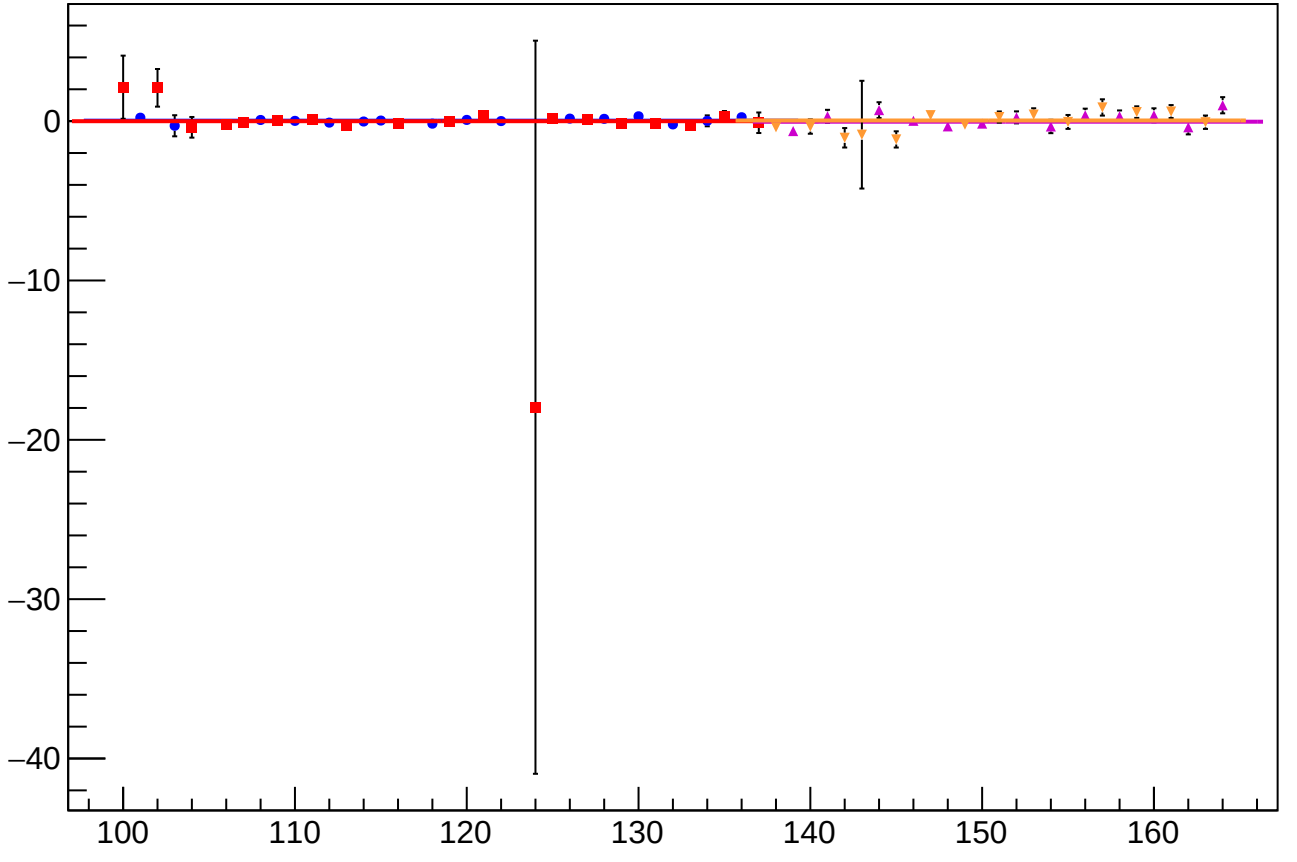
Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

+ sign 144.825+/-0.029 χ^2/NDF: 11648976.3/29

All: 140.312+/-0.020 χ^2/NDF: 23234077.9/61

- 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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

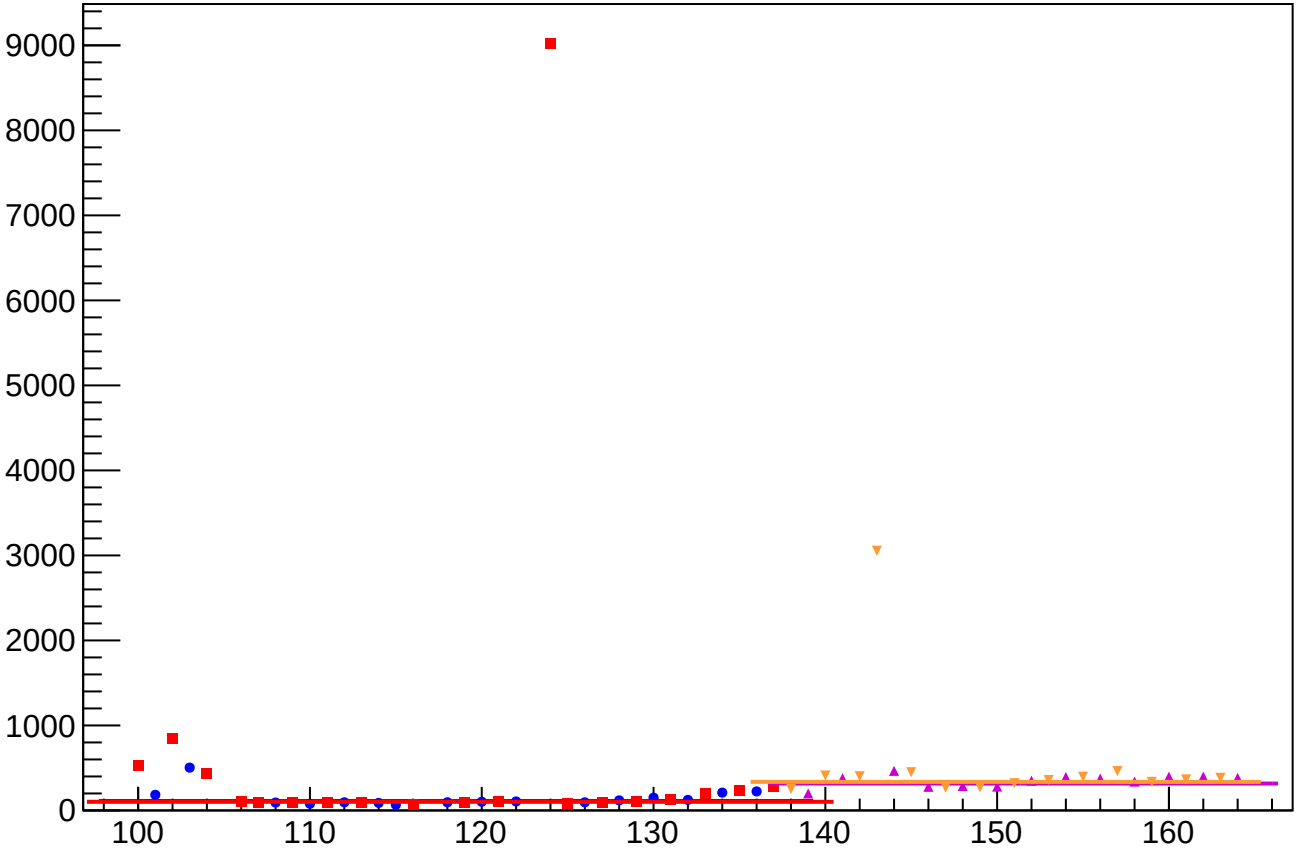
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.010+/-0.029 χ^2/NDF: 72.1/61

- 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: 336.392+/-0.075 χ^2/NDF:2031725.6/13

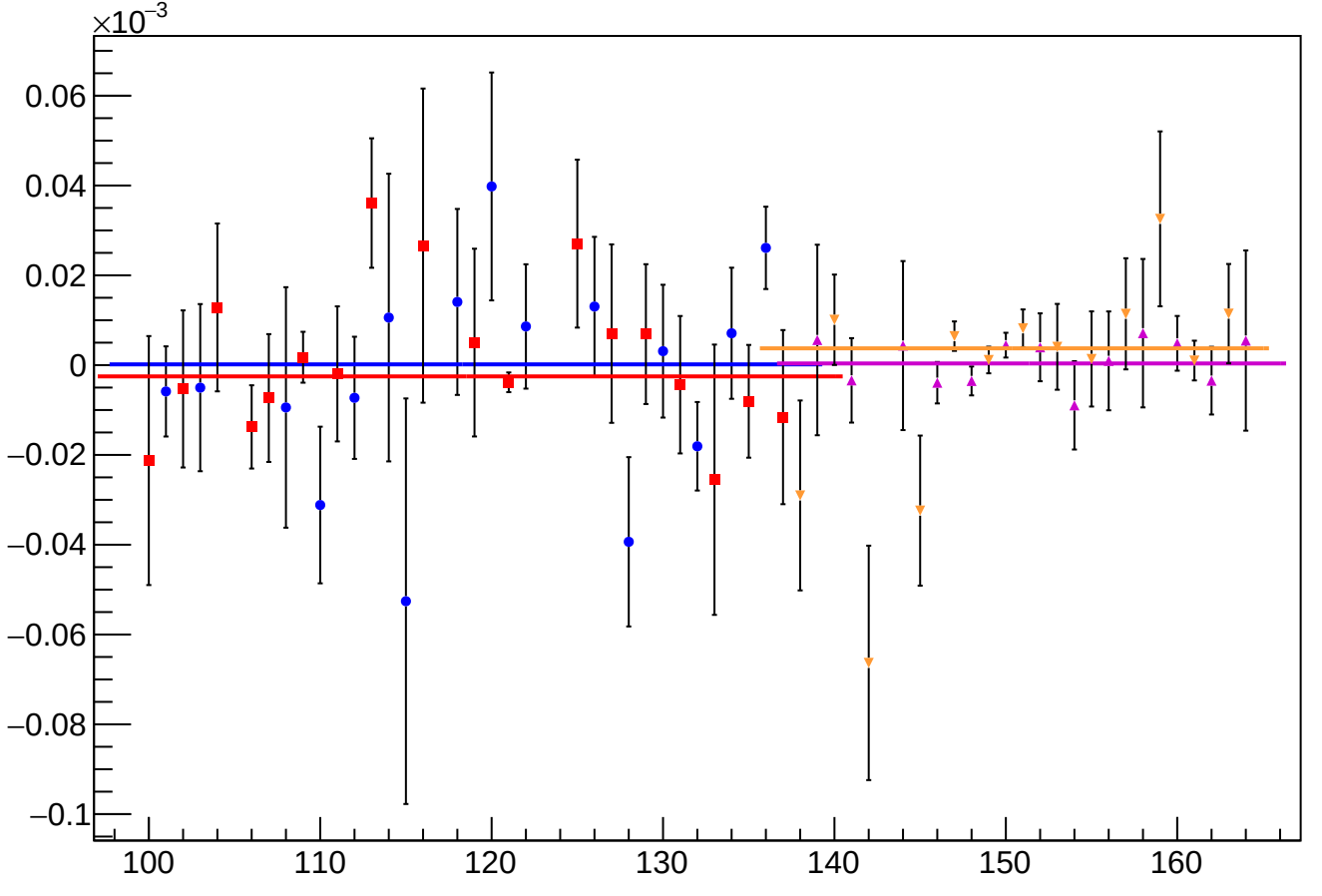
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

+ sign 144.825+/-0.029 χ^2/NDF: 11648976.3/29

All: 140.312+/-0.020 χ^2/NDF: 23234077.9/61

- 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:20.7/12

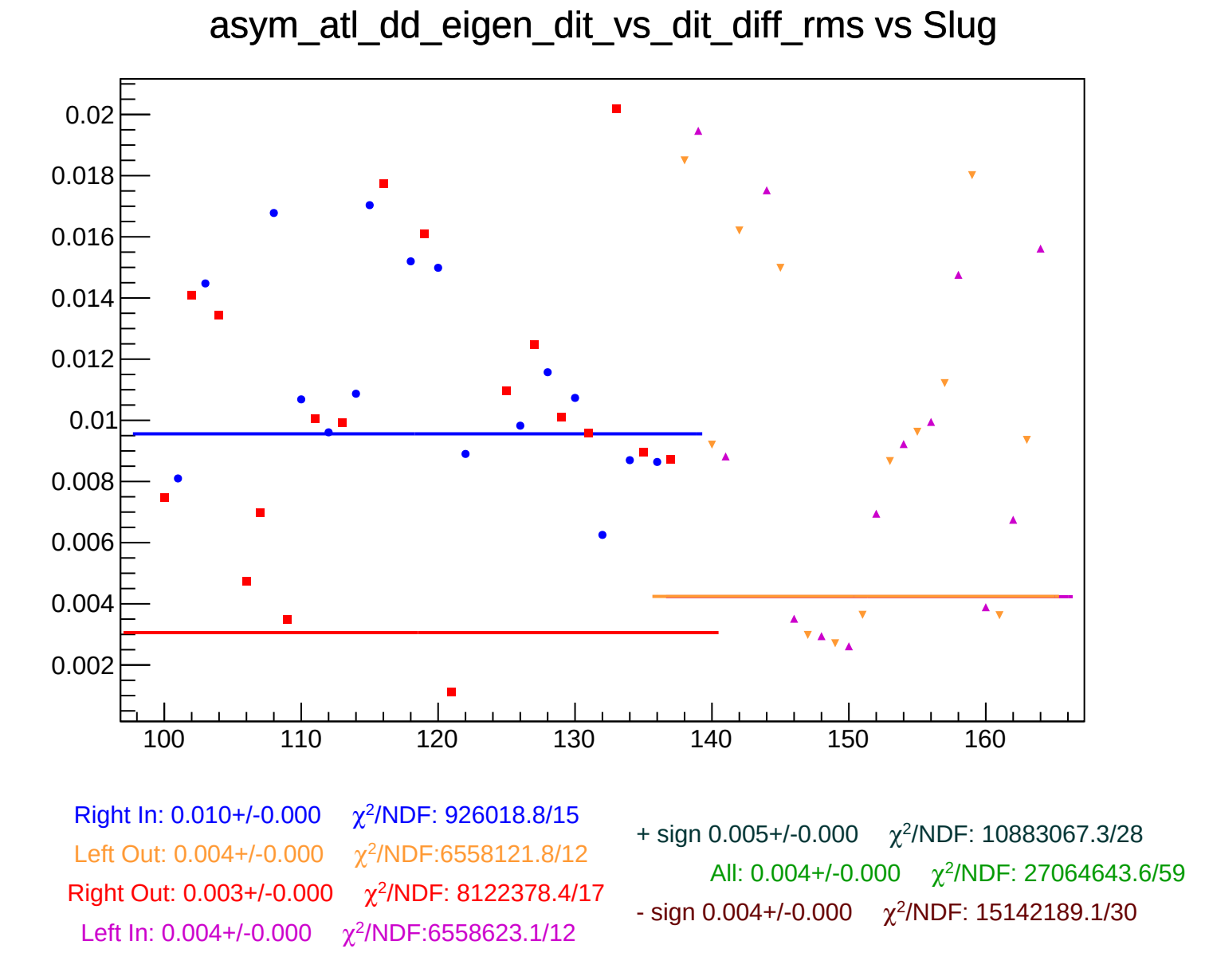
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/12

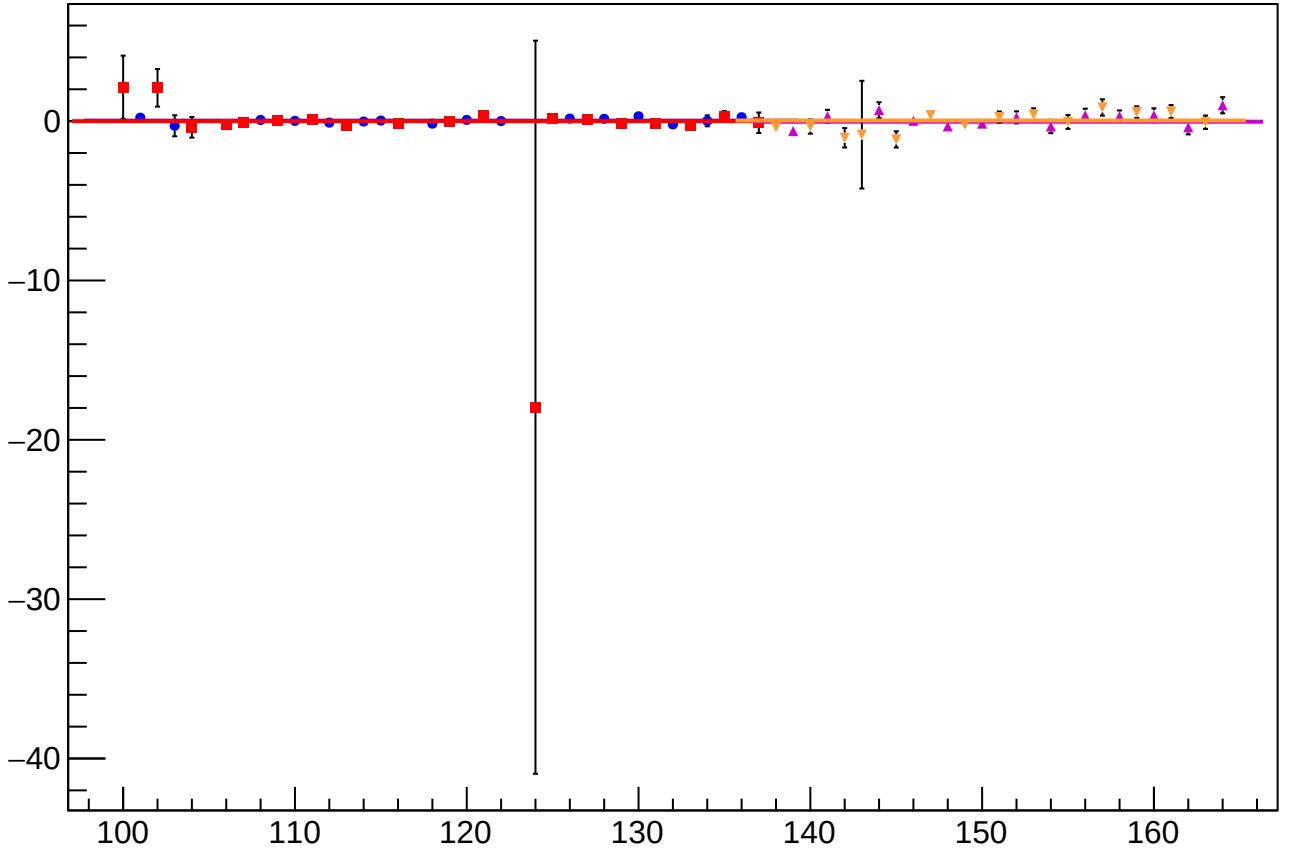
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/28

All: 0.000+/-0.000 χ^2/NDF: 75.6/59

- 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:6558121.8/12
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: 10883067.3/28
All: 0.004+/-0.000 χ²/NDF: 27064643.6/59
- 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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

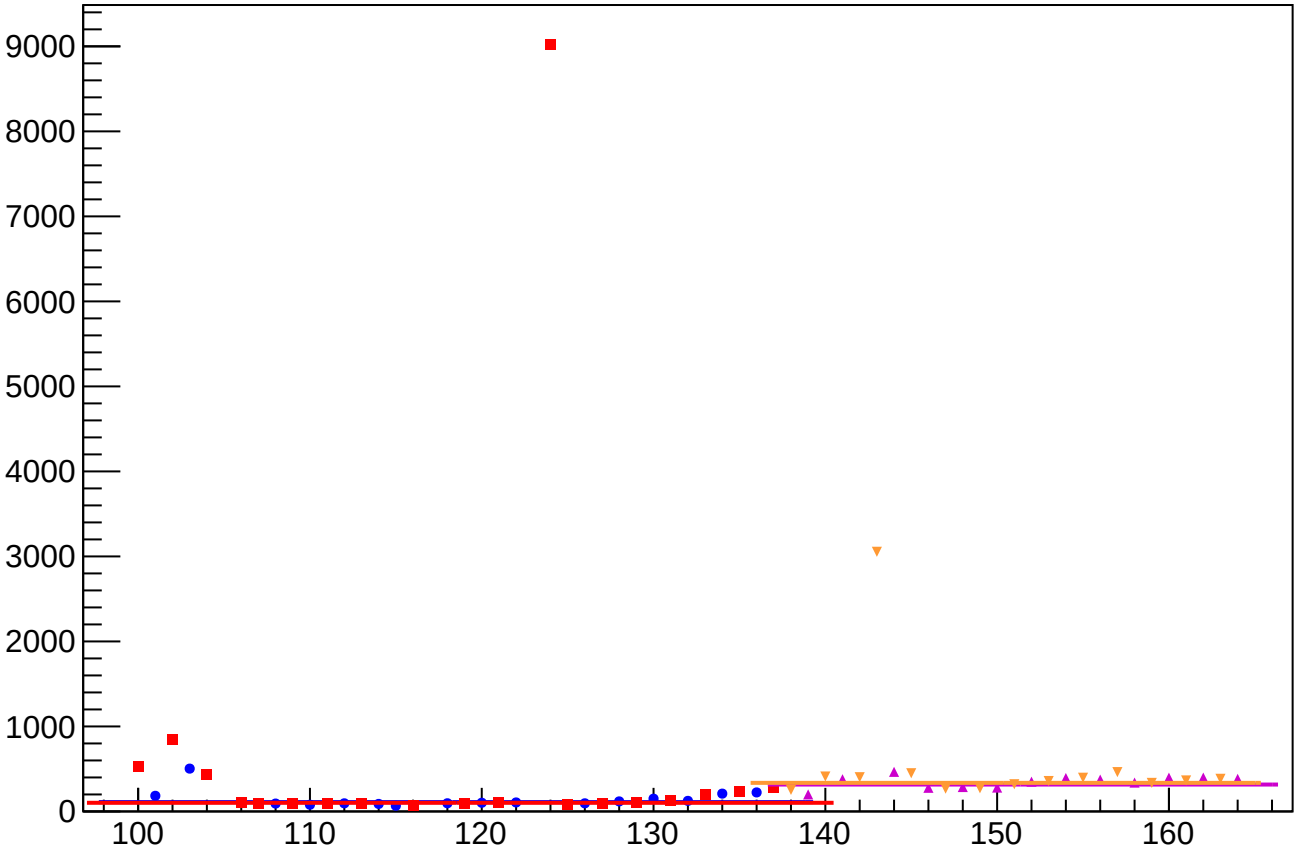
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.010+/-0.029 χ^2/NDF: 72.1/61

- 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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

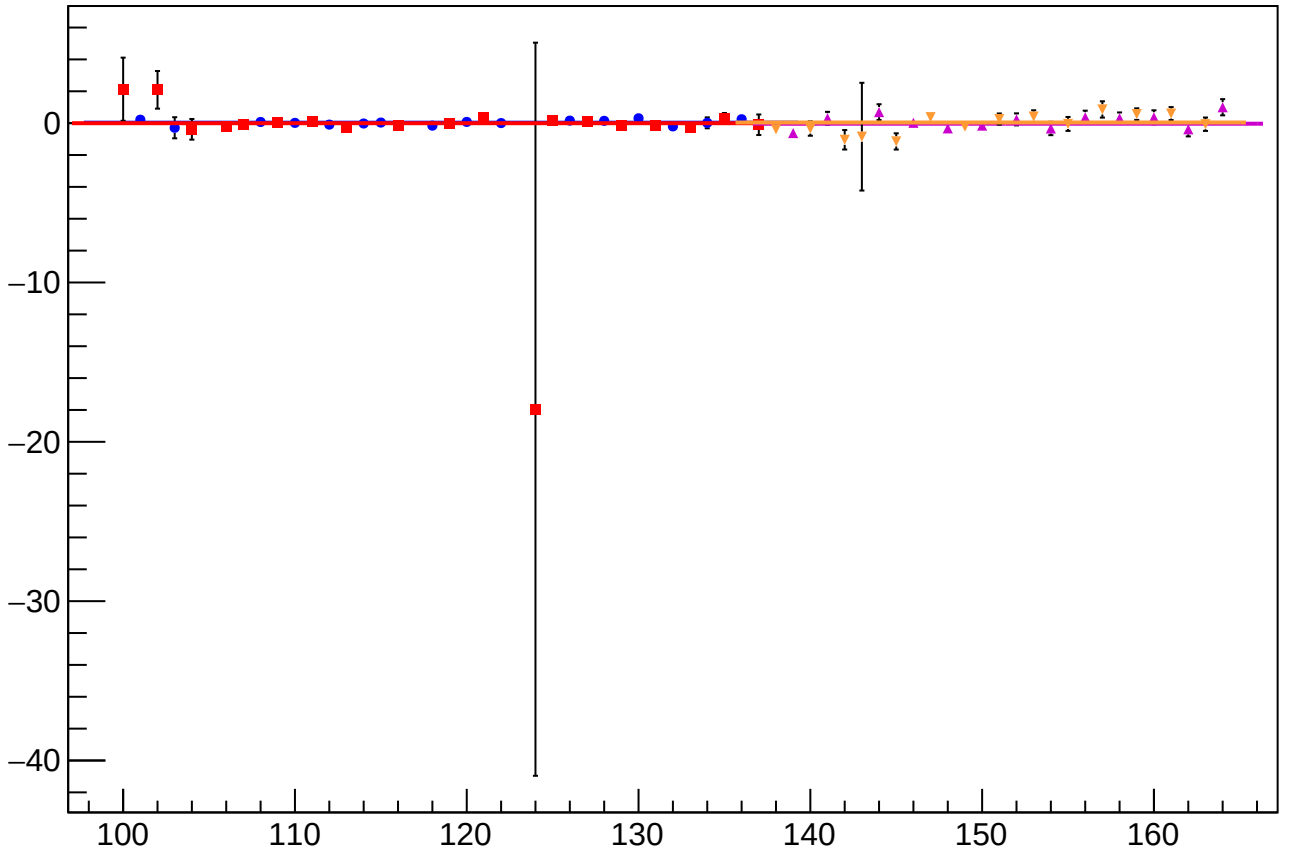
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

+ sign 144.826+/-0.029 χ^2/NDF: 11648960.2/29

All: 140.313+/-0.020 χ^2/NDF: 23233995.2/61

- 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: 0.041+/-0.106 χ^2/NDF:21.5/13

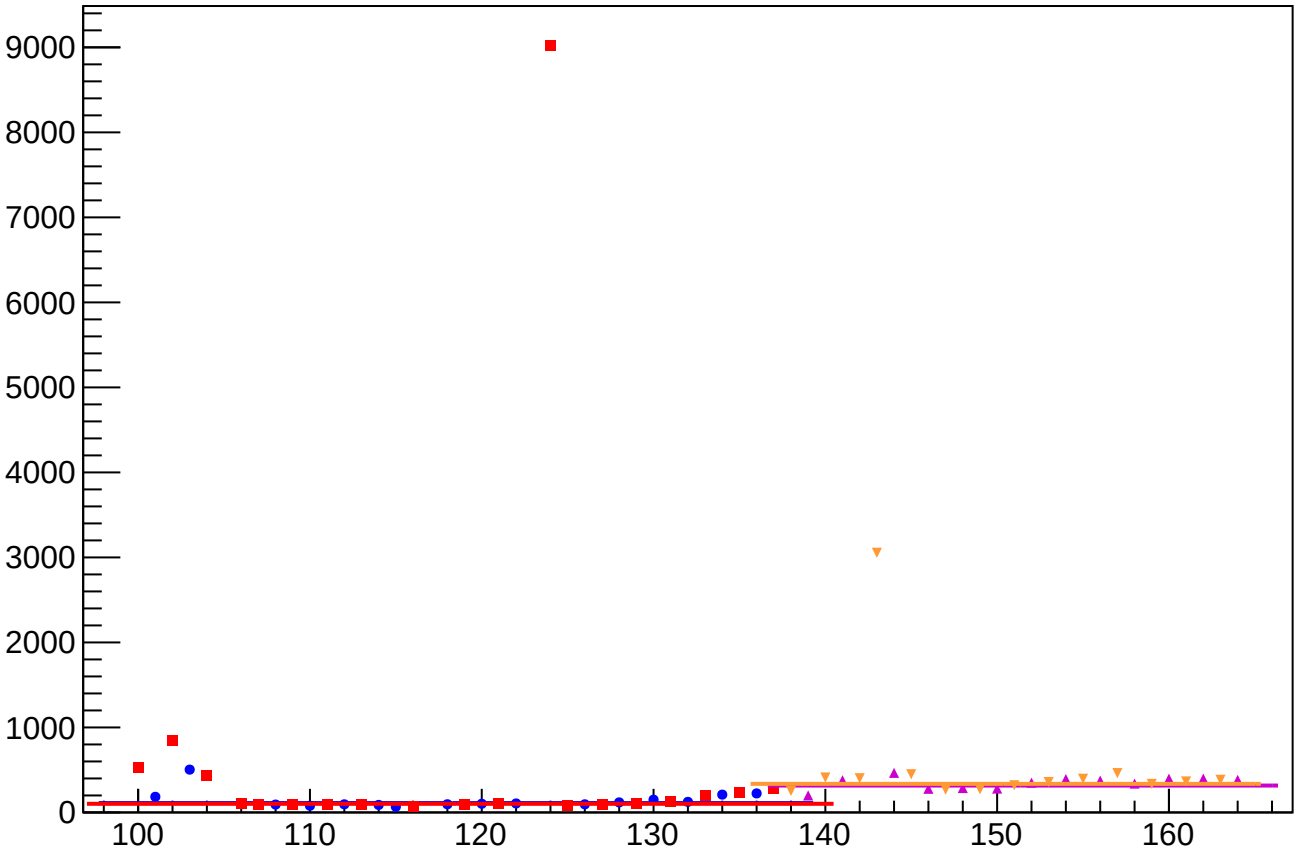
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.010+/-0.029 χ^2/NDF: 72.1/61

- 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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

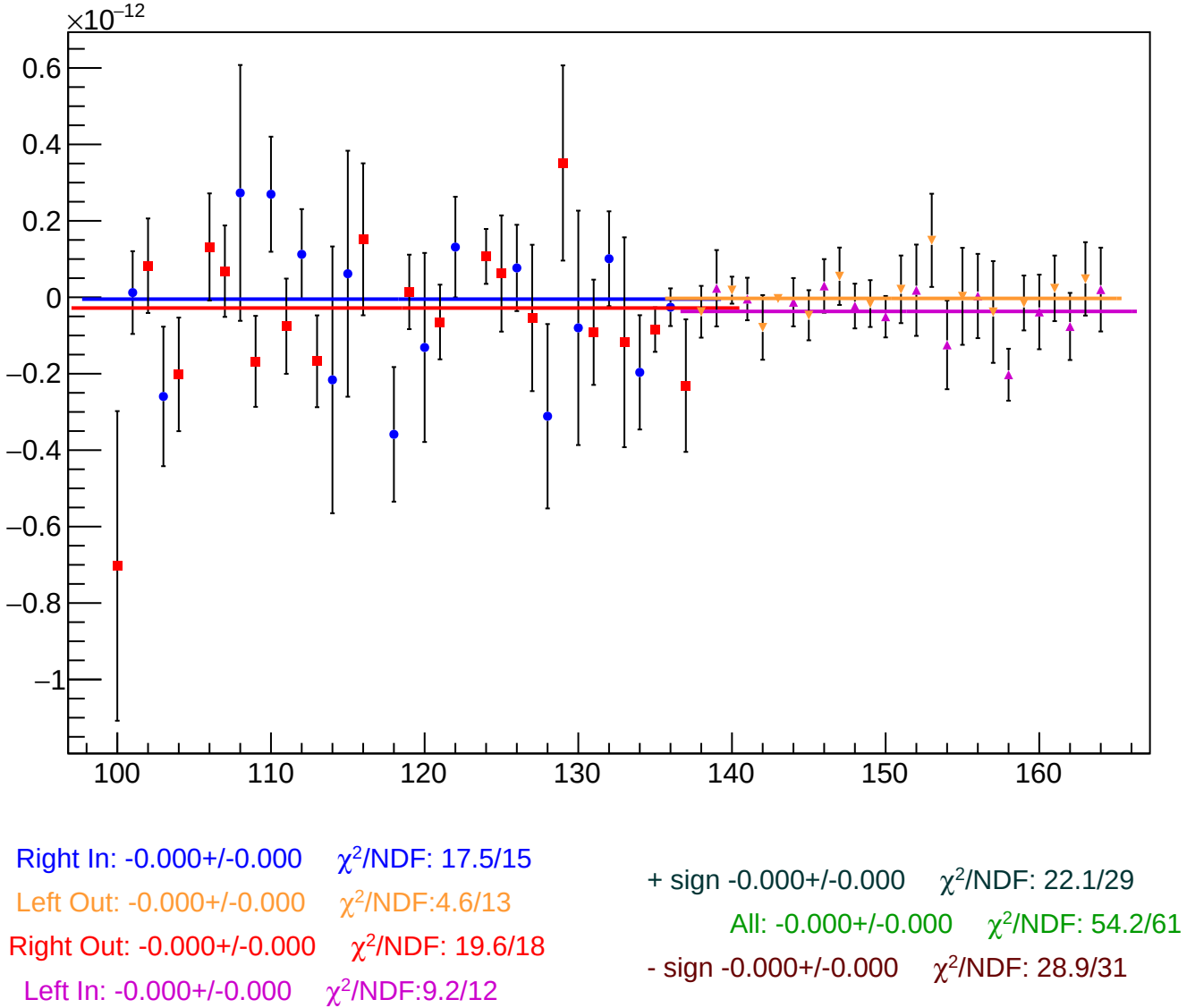
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

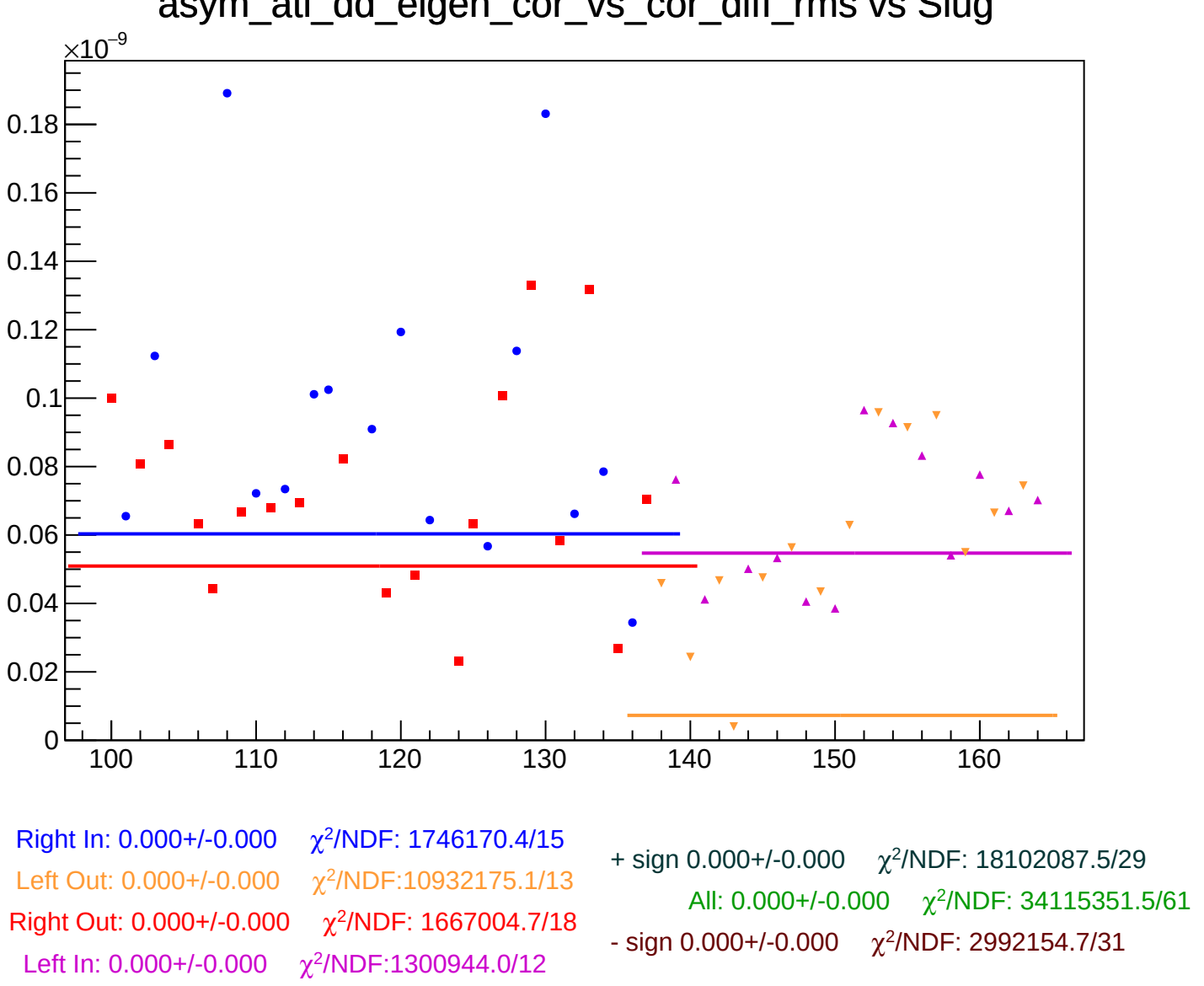
Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

+ sign 144.826+/-0.029 χ^2/NDF: 11648960.2/29

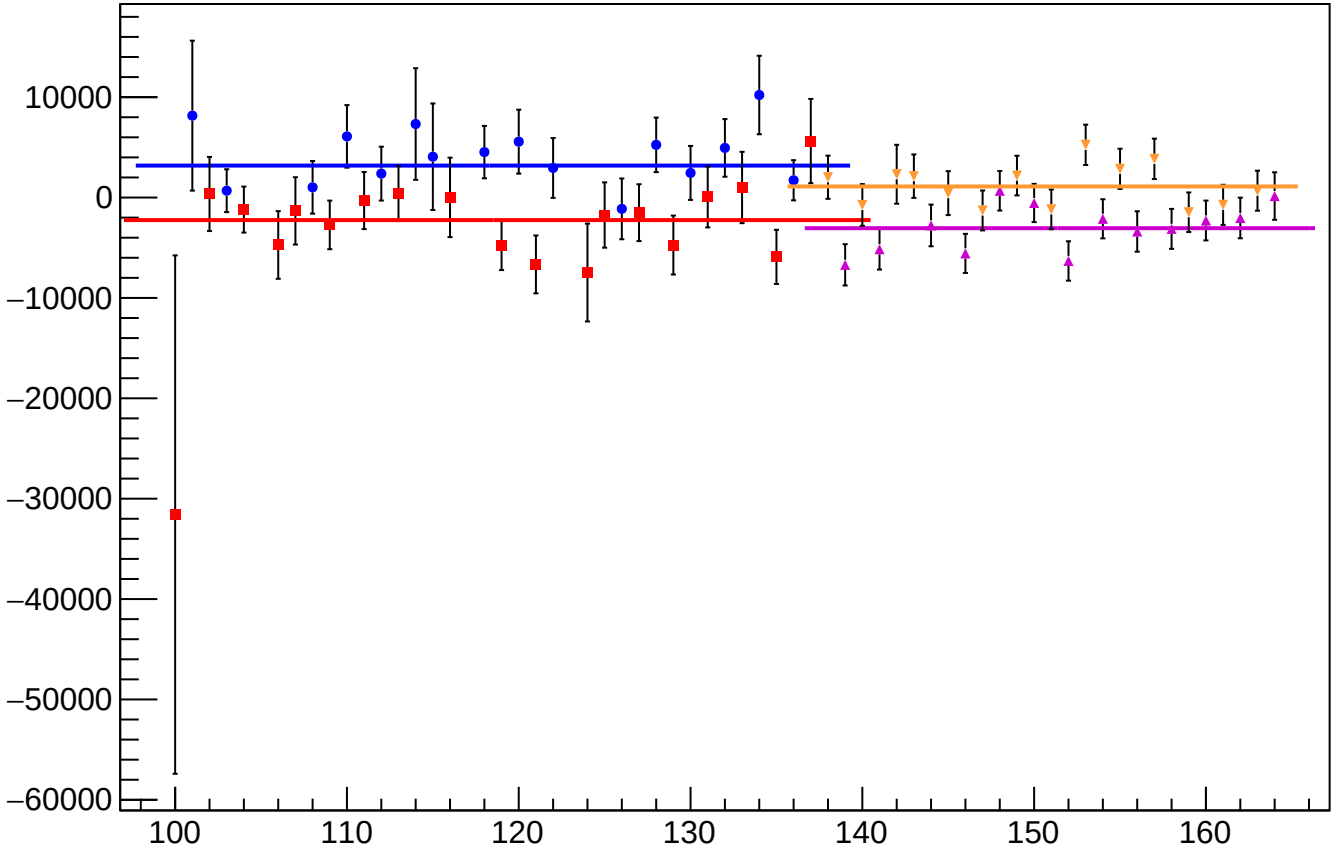
All: 140.313+/-0.020 χ^2/NDF: 23233995.2/61

- sign 136.208+/-0.028 χ^2/NDF: 11540245.0/31


asym_atl_dd_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.5/15
Left Out: -0.000+/-0.000 χ²/NDF:4.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: -0.000+/-0.000 χ²/NDF:9.2/12
+ sign -0.000+/-0.000 χ²/NDF: 22.1/29
All: -0.000+/-0.000 χ²/NDF: 54.2/61
- sign -0.000+/-0.000 χ²/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:10932175.1/13
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: 18102087.5/29
All: 0.000+/-0.000 χ²/NDF: 34115351.5/61
- 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: 1104.173+/-554.316 χ^2/NDF:14.0/13

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

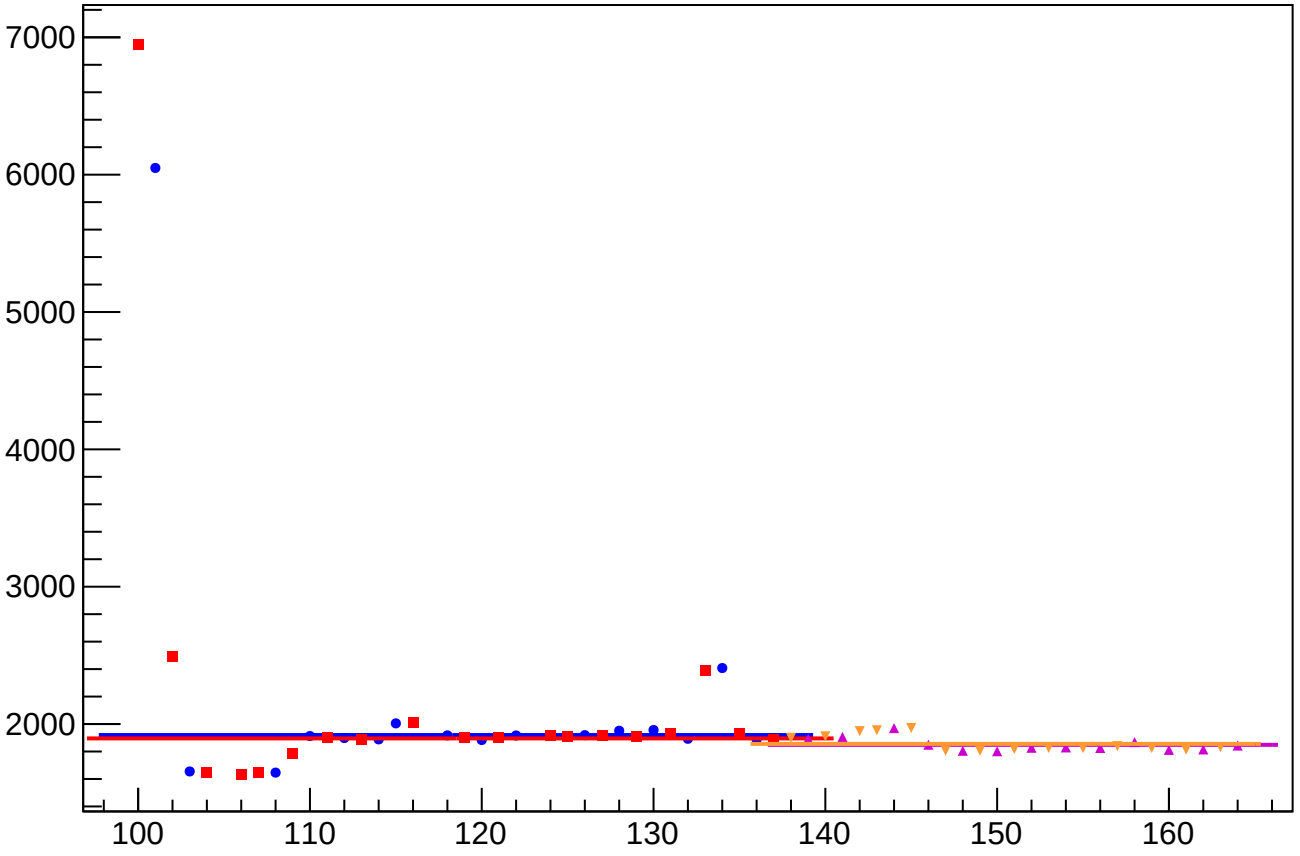
Left In: -3052.922+/-558.268 χ^2/NDF:16.5/12

+ sign 1863.205+/-441.716 χ^2/NDF: 30.8/29

All: -454.826+/-311.400 χ^2/NDF: 119.4/61

- 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: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

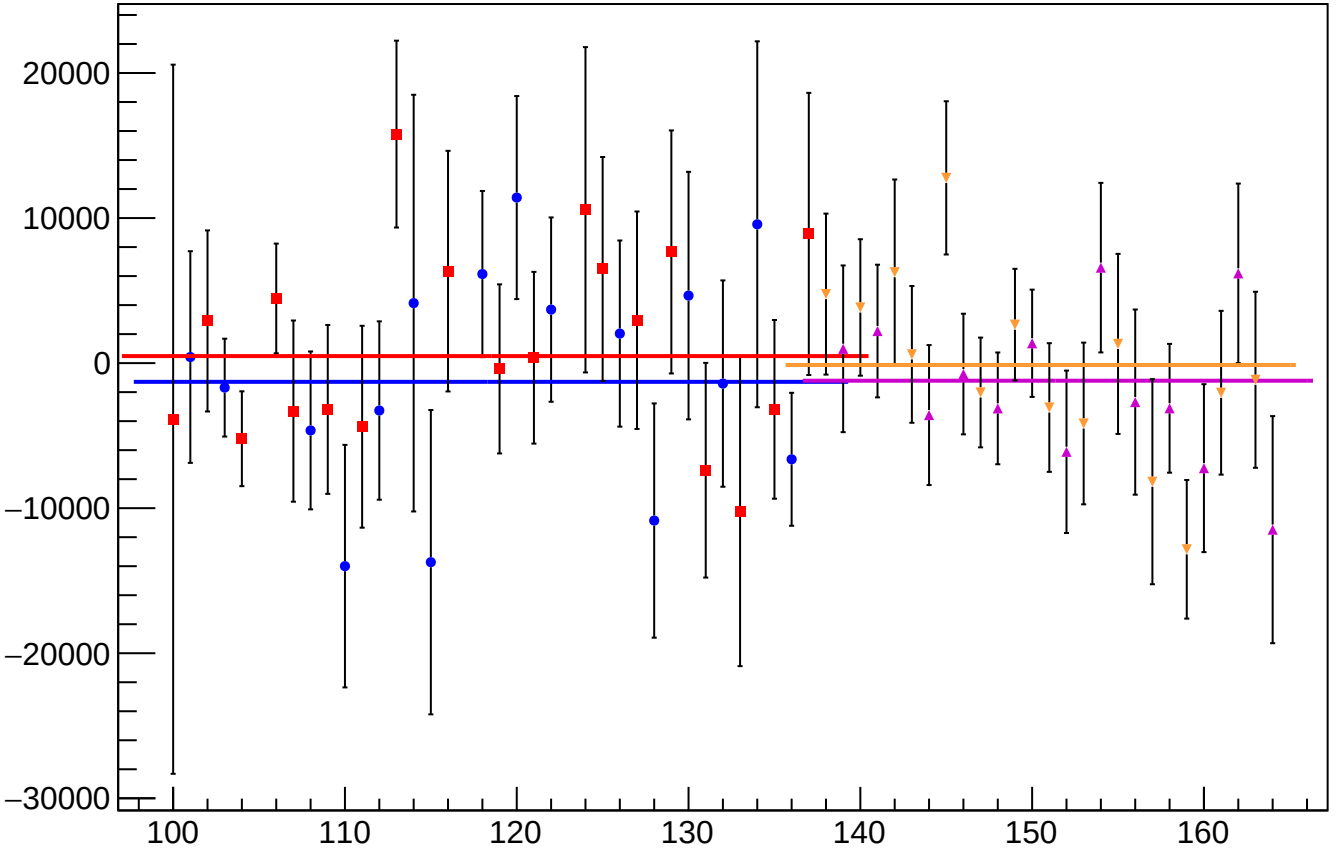
Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1879.012+/-0.312 χ^2/NDF: 727005.1/29

All: 1872.702+/-0.220 χ^2/NDF: 969186.4/61

- 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: -130.917+/-1346.291 χ^2/NDF:18.8/13

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

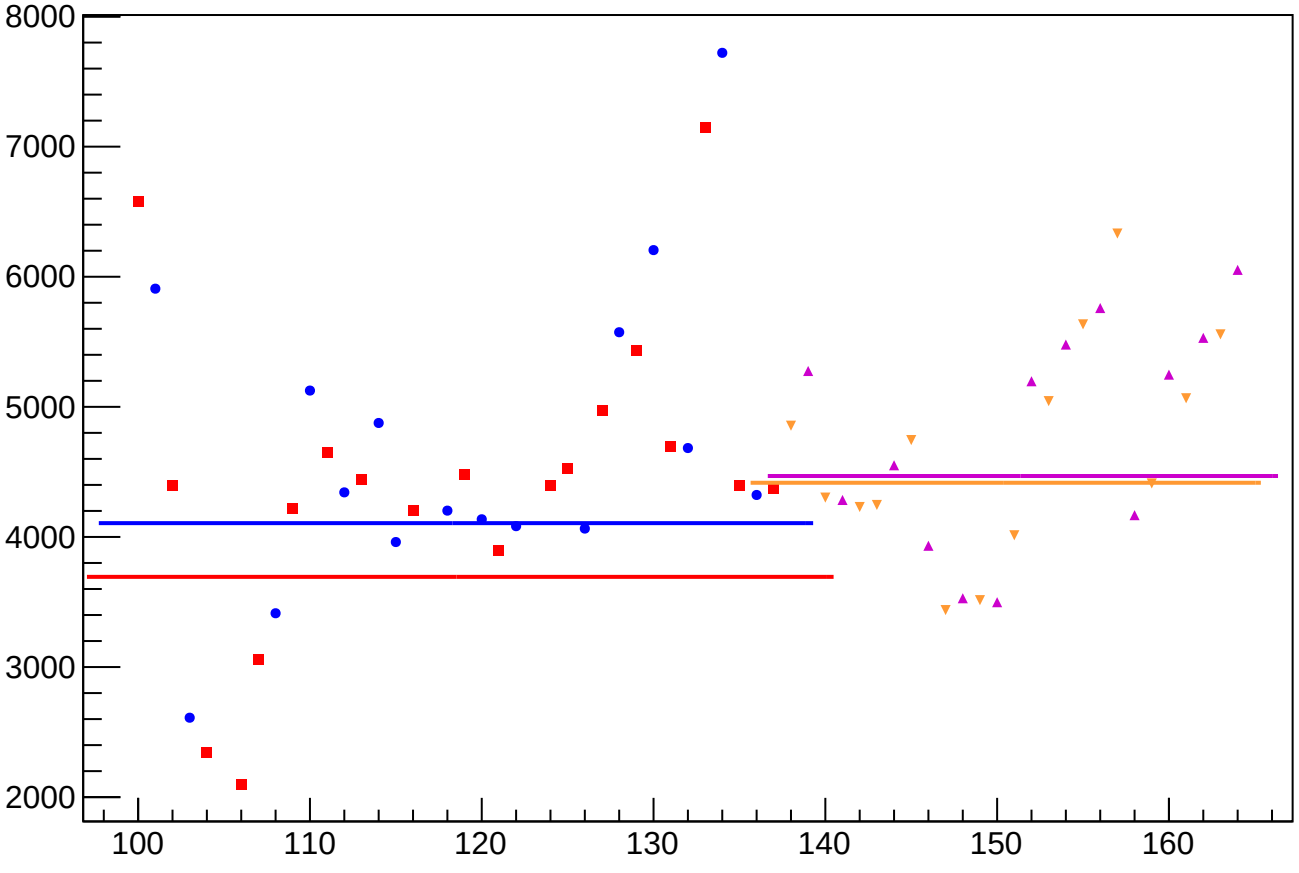
Left In: -1212.275+/-1376.031 χ^2/NDF:8.7/12

+ sign -616.744+/-1026.216 χ^2/NDF: 33.3/29

All: -505.216+/-713.985 χ^2/NDF: 60.1/61

- sign -400.578+/-994.010 χ^2/NDF: 26.7/31

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4416.551+/-0.952 χ^2/NDF:632463.6/13

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

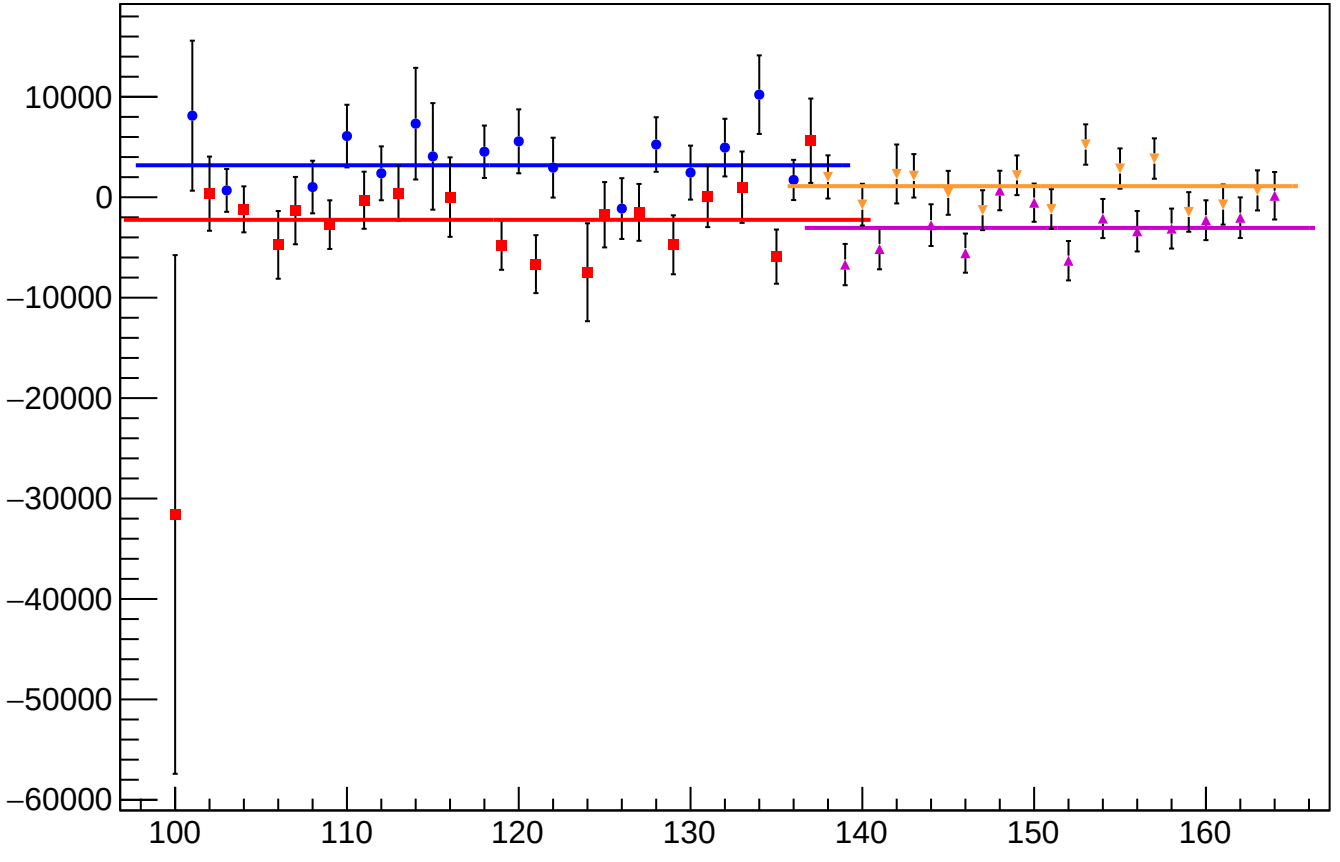
Left In: 4468.460+/-0.973 χ^2/NDF:694805.7/12

+ sign 4286.499+/-0.726 χ^2/NDF: 1633139.7/29

All: 4189.133+/-0.505 χ^2/NDF: 4023000.2/61

- 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: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

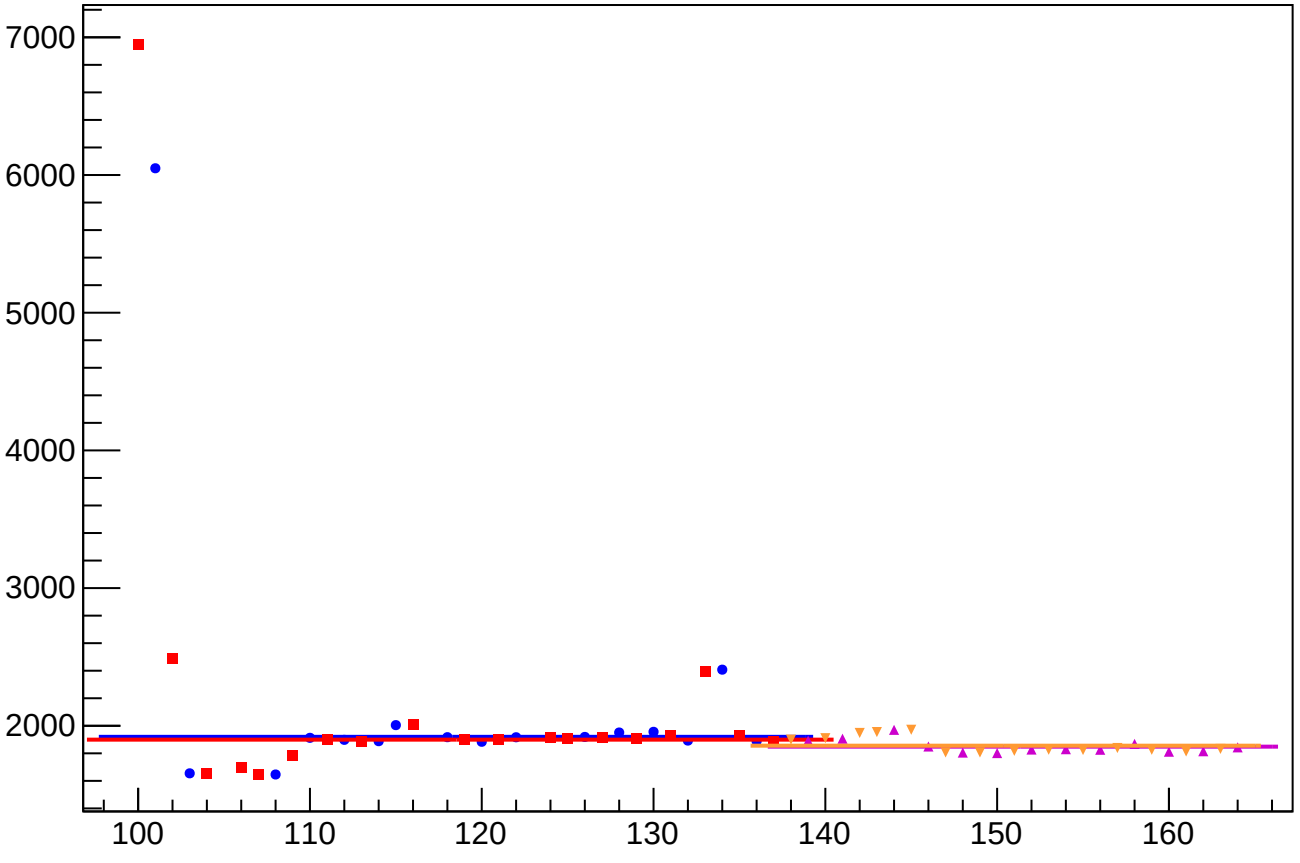
Left In: -3052.951+/-558.268 χ^2/NDF:16.5/12

+ sign 1862.864+/-441.716 χ^2/NDF: 30.8/29

All: -455.219+/-311.401 χ^2/NDF: 119.4/61

- 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: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

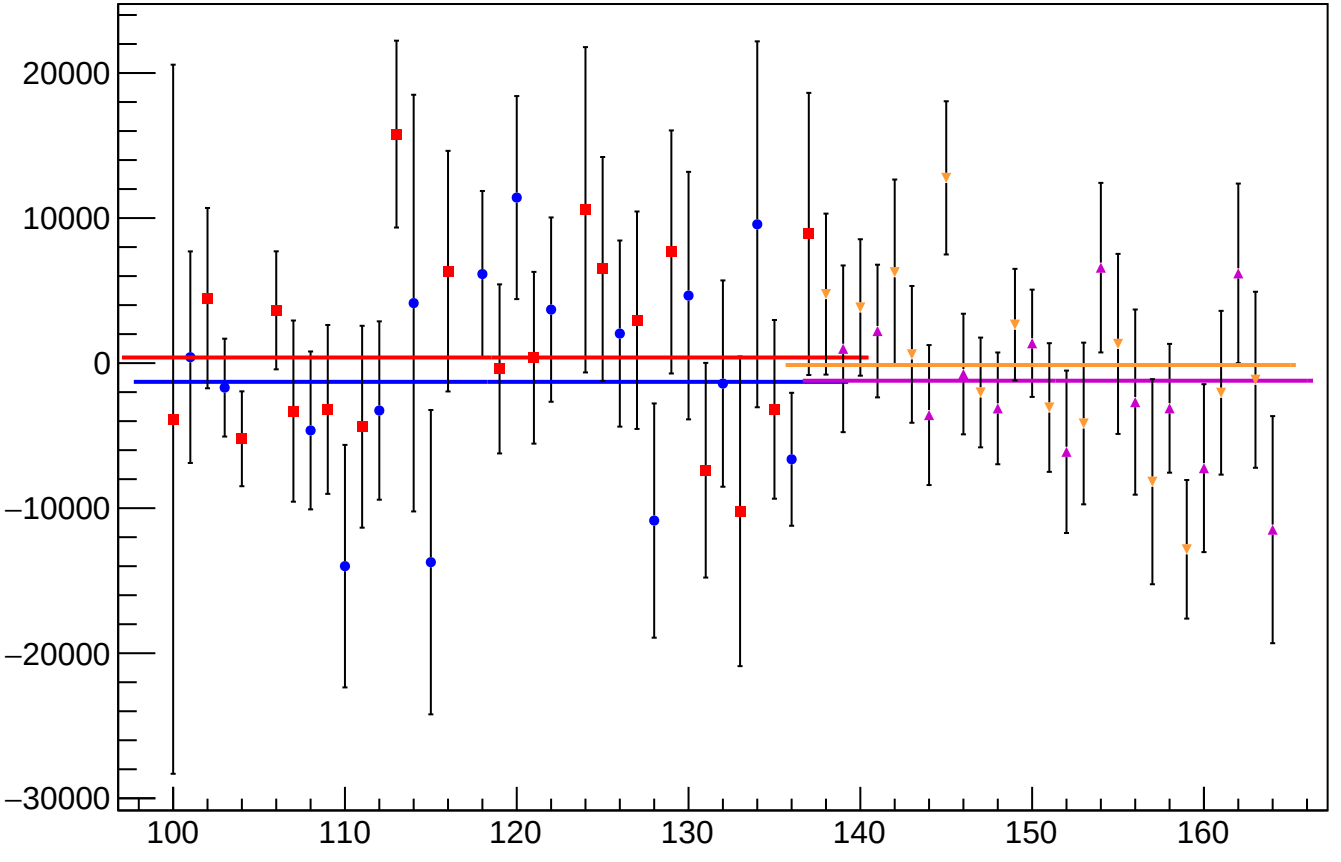
Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1879.012+/-0.312 χ^2/NDF: 727004.3/29

All: 1873.455+/-0.220 χ^2/NDF: 963330.1/61

- 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: -130.928+/-1346.288 χ^2/NDF:18.8/13

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

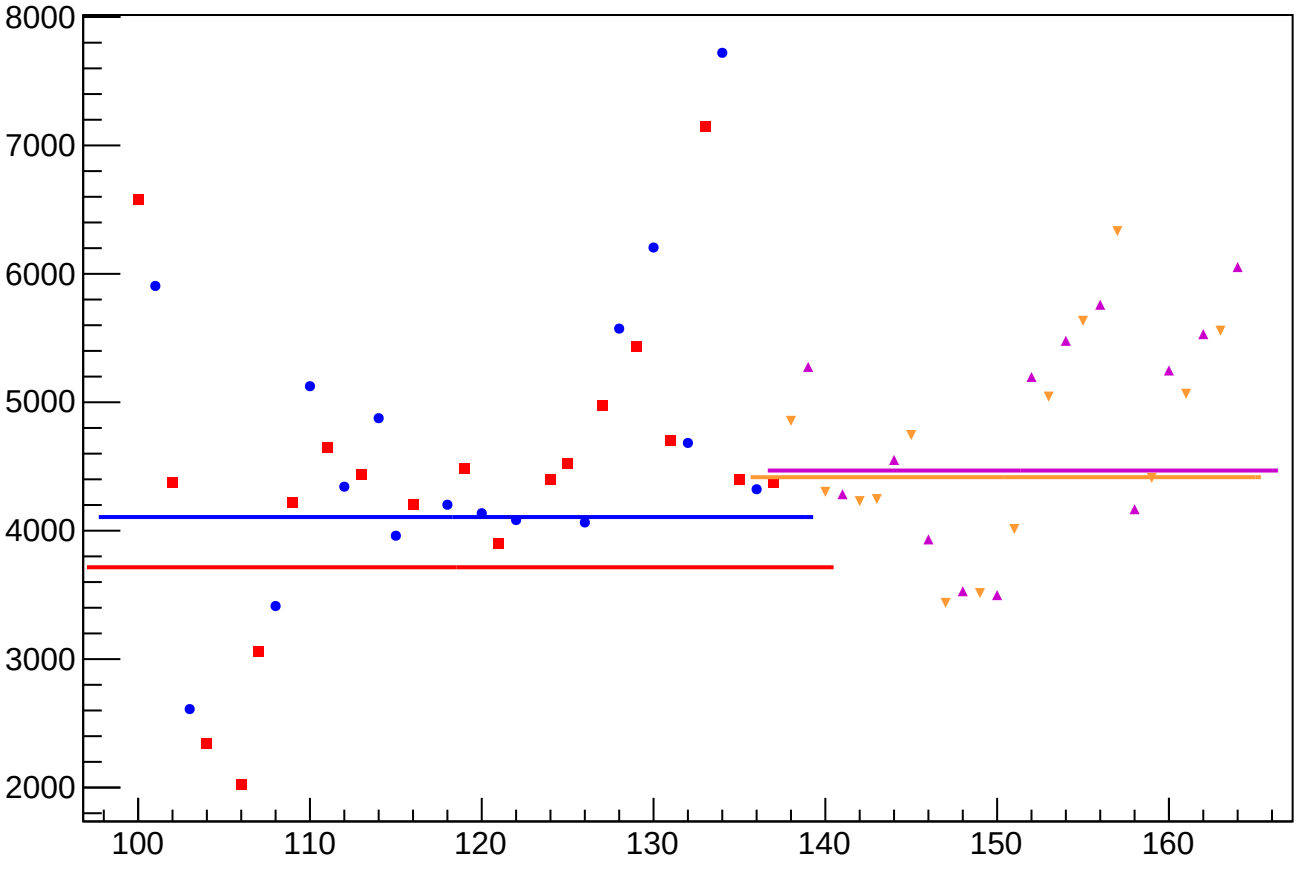
Left In: -1212.317+/-1376.032 χ^2/NDF:8.7/12

+ sign -616.902+/-1026.215 χ^2/NDF: 33.3/29

All: -533.763+/-715.690 χ^2/NDF: 59.7/61

- 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: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

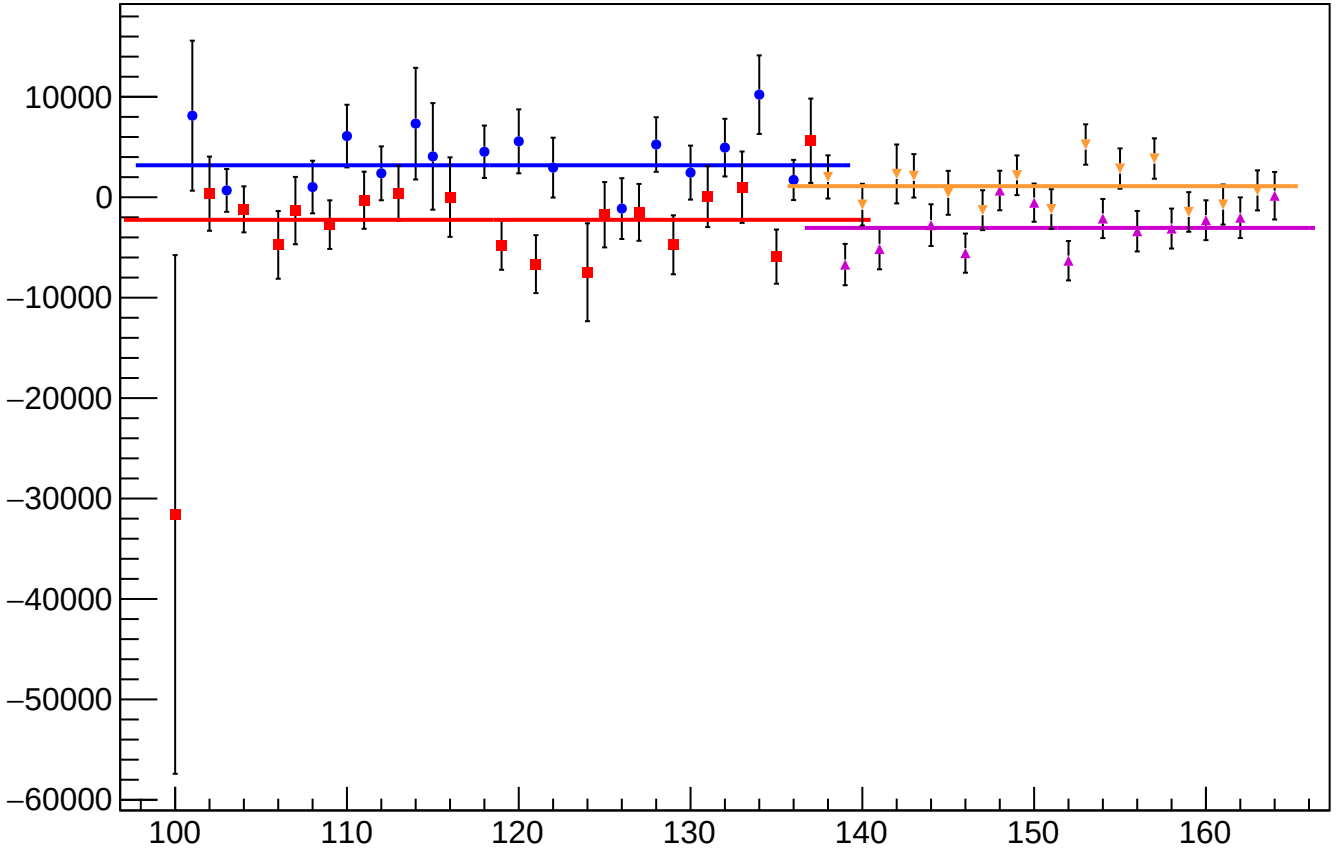
Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

+ sign 4286.532+/-0.726 χ^2/NDF: 1632627.8/29

All: 4196.854+/-0.506 χ^2/NDF: 3975938.0/61

- sign 4111.932+/-0.706 χ^2/NDF: 2313573.8/31

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

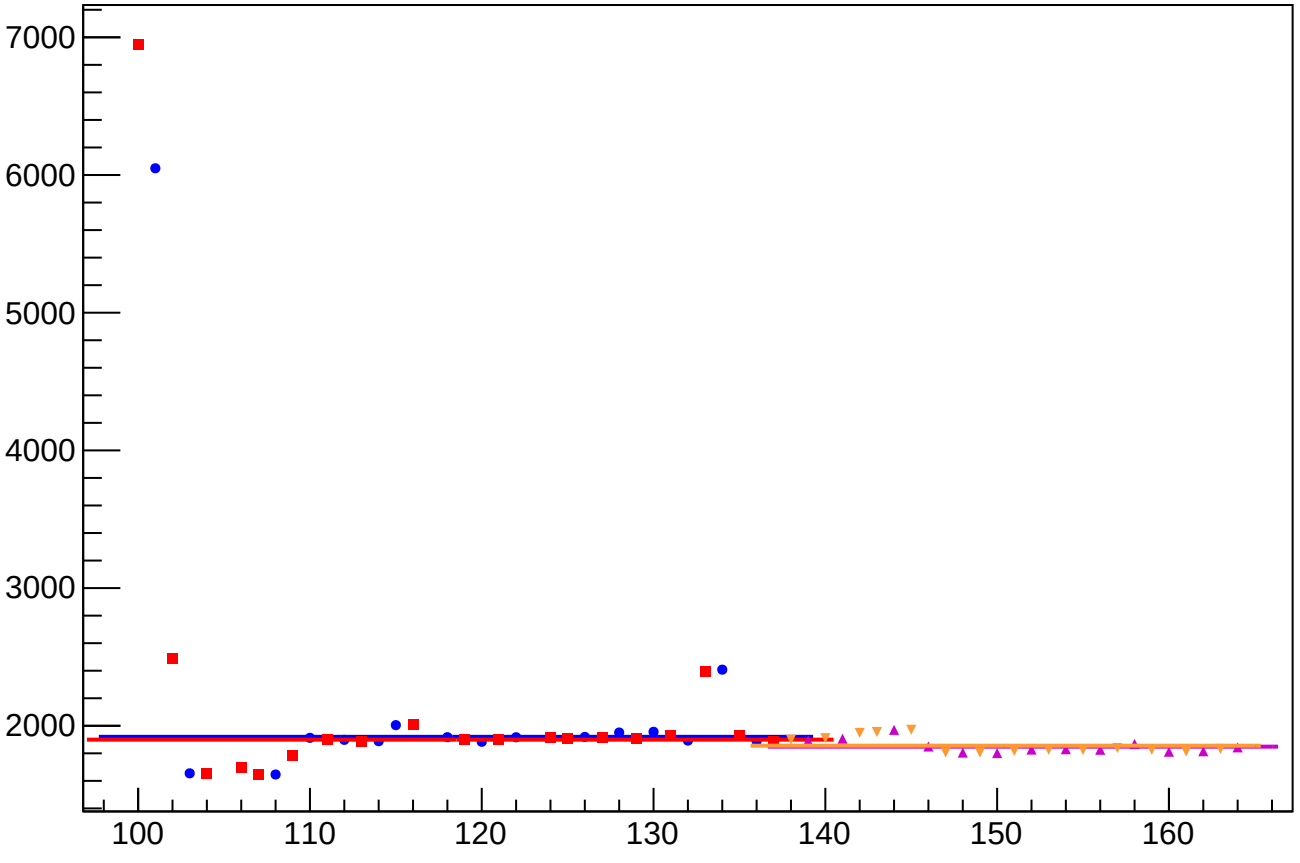
Left In: -3052.951+/-558.268 χ^2/NDF:16.5/12

+ sign 1862.864+/-441.716 χ^2/NDF: 30.8/29

All: -455.219+/-311.401 χ^2/NDF: 119.4/61

- 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: 1855.551+/-0.392 χ^2/NDF:19858.3/13

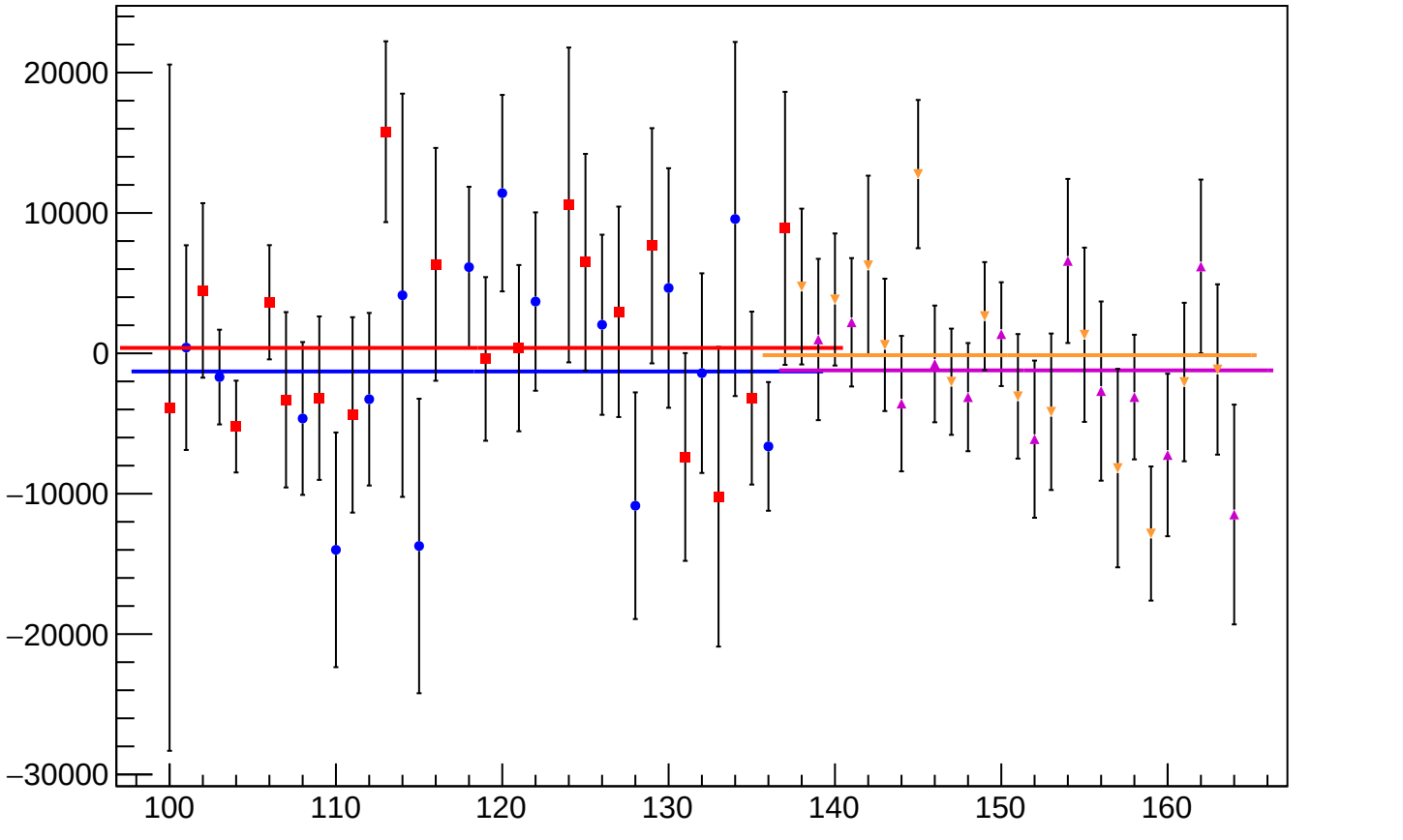
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1879.012+/-0.312 χ^2/NDF: 727004.3/29

All: 1873.455+/-0.220 χ^2/NDF: 963330.1/61

- 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: -130.928+/-1346.288 χ^2/NDF:18.8/13

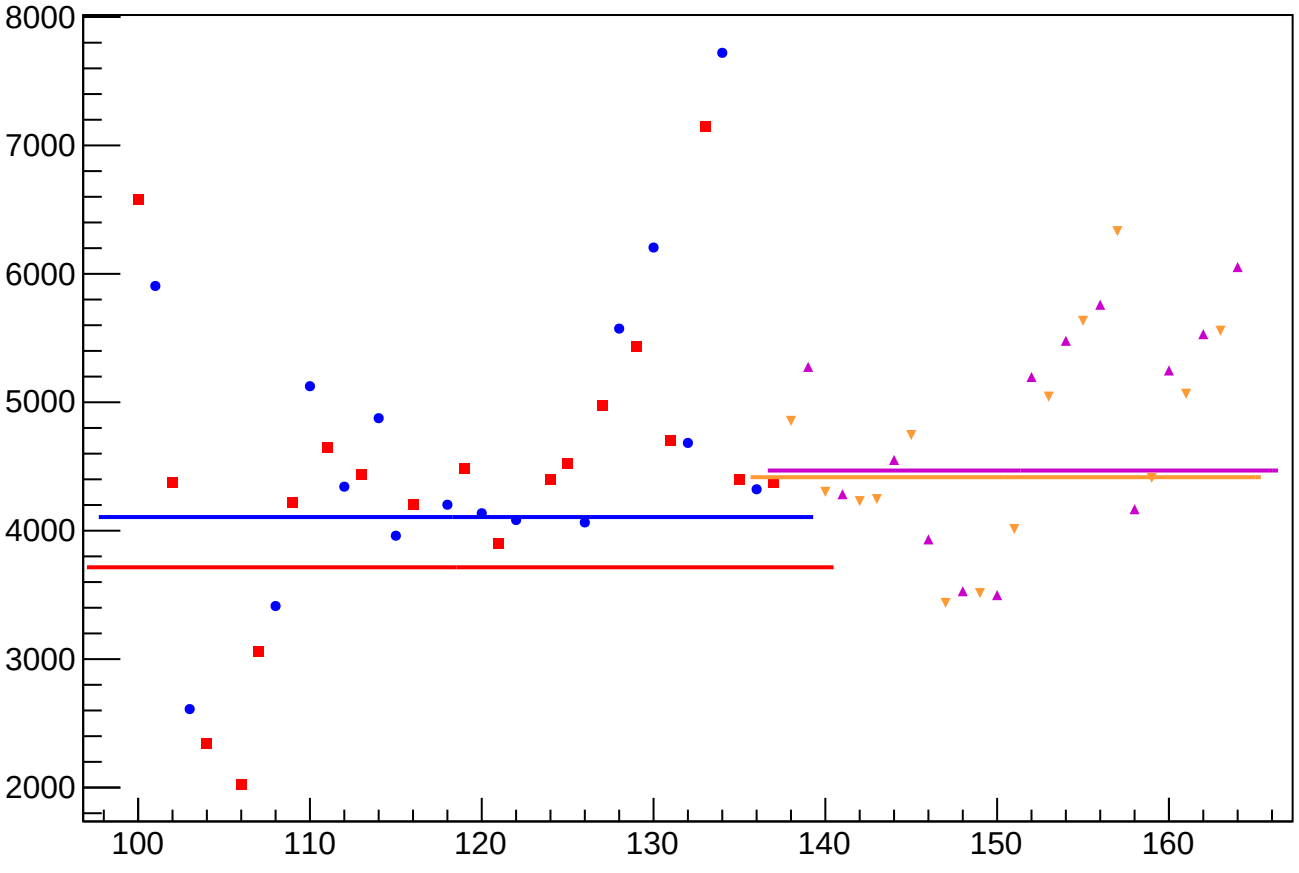
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1212.317+/-1376.032 χ^2/NDF:8.7/12

+ sign -616.902+/-1026.215 χ^2/NDF: 33.3/29

All: -533.763+/-715.690 χ^2/NDF: 59.7/61

- 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: 4416.541+/-0.952 χ^2/NDF:632480.6/13

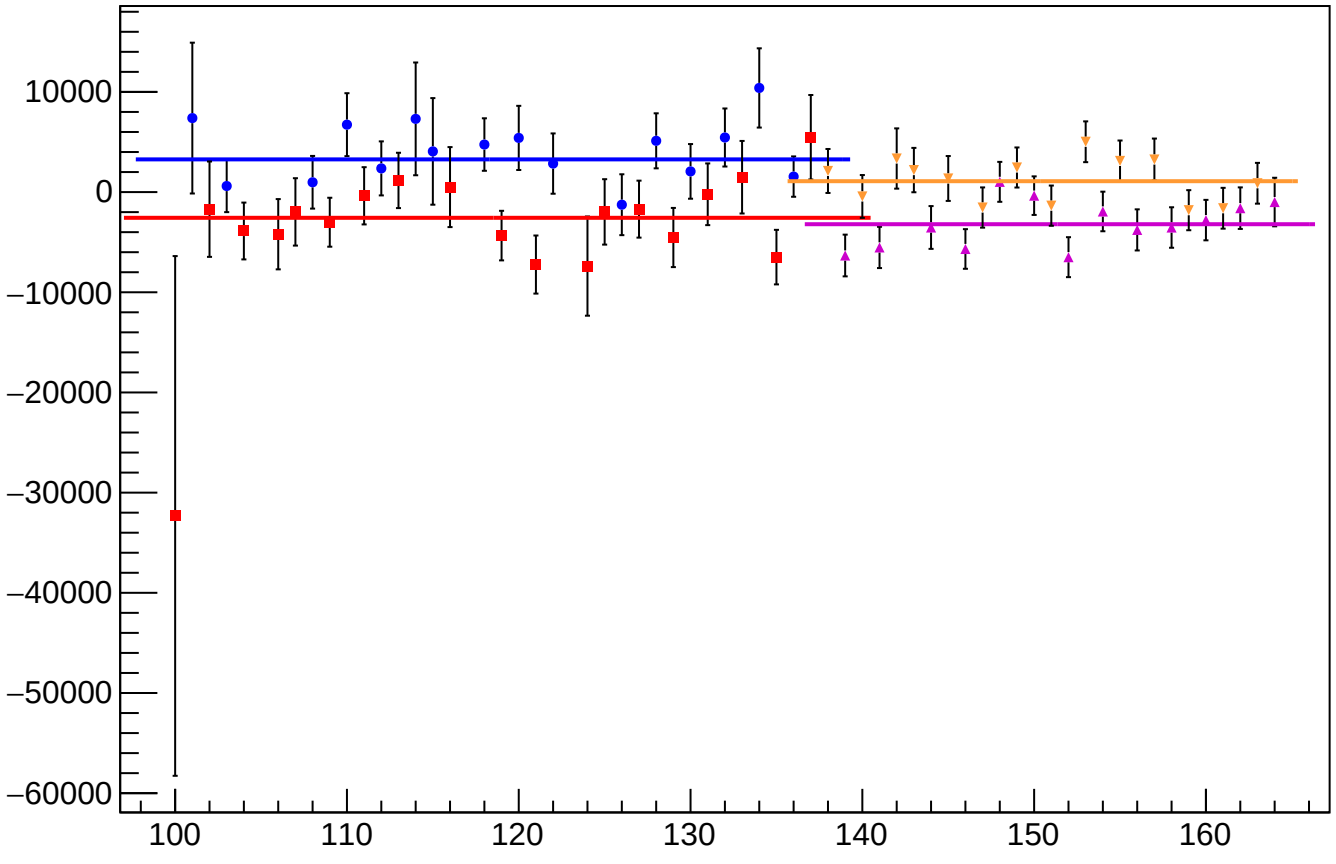
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

+ sign 4286.532+/-0.726 χ^2/NDF: 1632627.8/29

All: 4196.854+/-0.506 χ^2/NDF: 3975938.0/61

- 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: 1087.564+/-565.273 χ^2/NDF:14.9/13

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

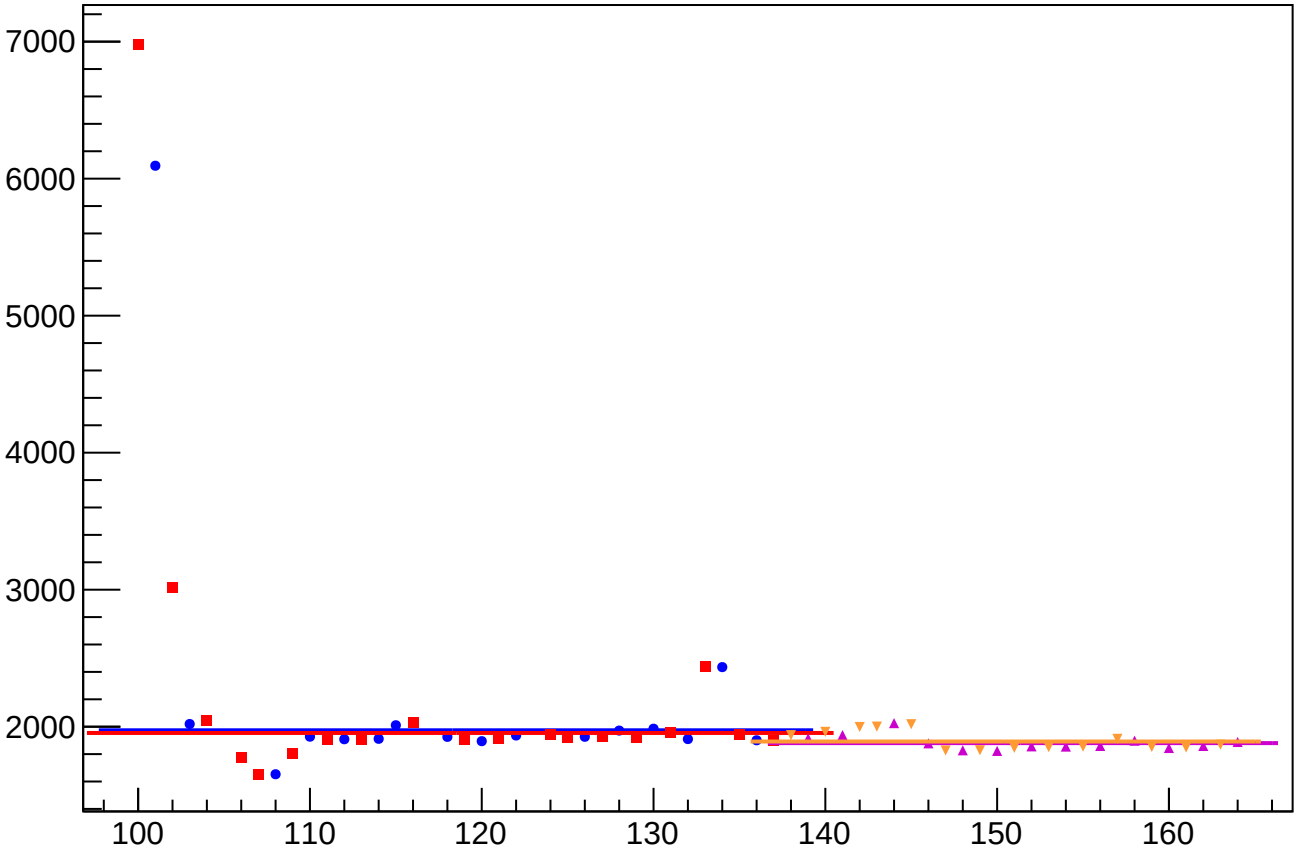
Left In: -3206.400+/-567.890 χ^2/NDF:16.5/12

+ sign 1875.092+/-451.604 χ^2/NDF: 32.4/29

All: -558.158+/-318.534 χ^2/NDF: 124.2/61

- 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: 1891.912+/-0.400 χ^2/NDF:25586.7/13

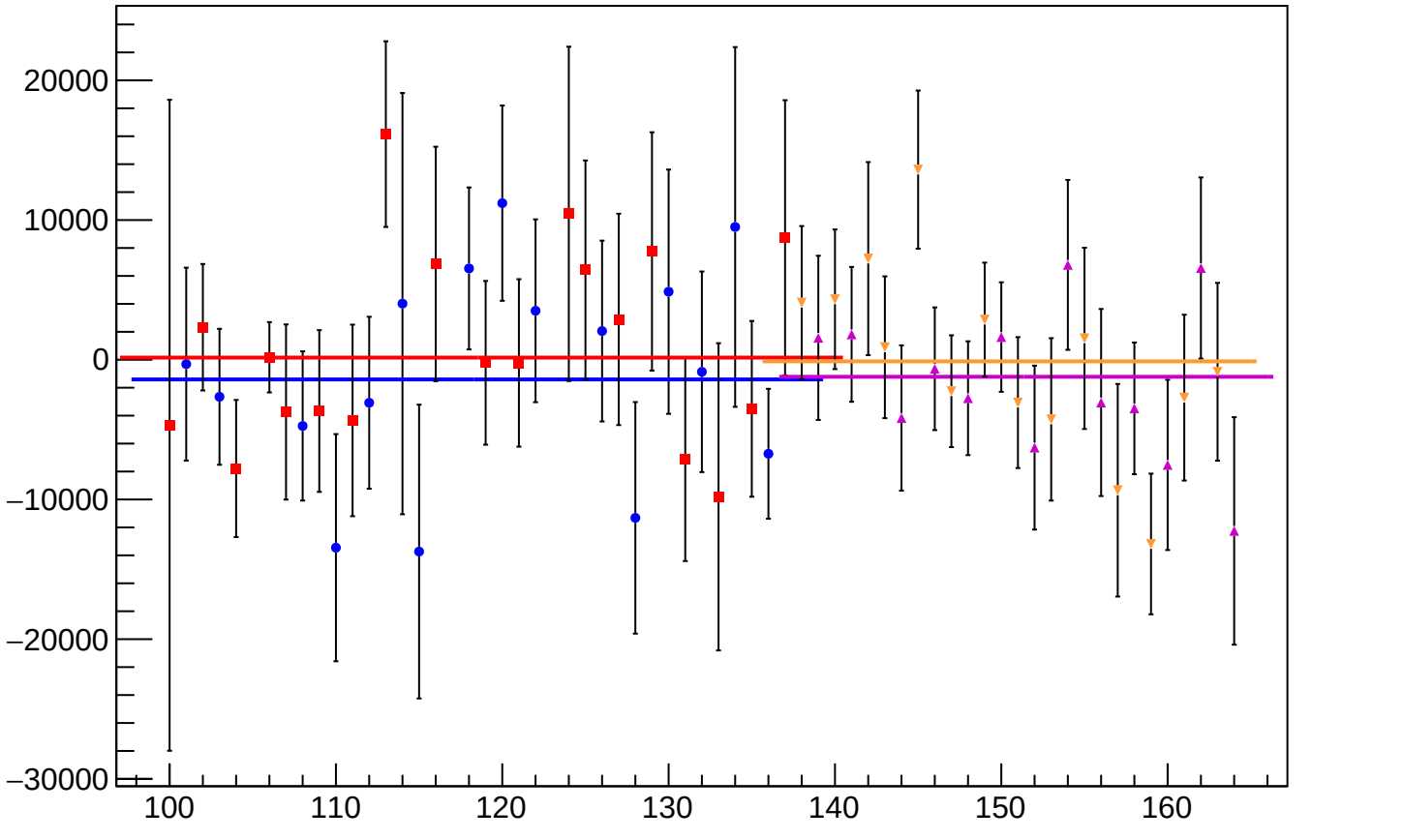
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.241+/-0.402 χ^2/NDF:16473.7/12

+ sign 1921.515+/-0.319 χ^2/NDF: 705874.3/29

All: 1914.710+/-0.225 χ^2/NDF: 982207.8/61

- 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: -113.914+/-1420.620 χ^2/NDF:18.6/13

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

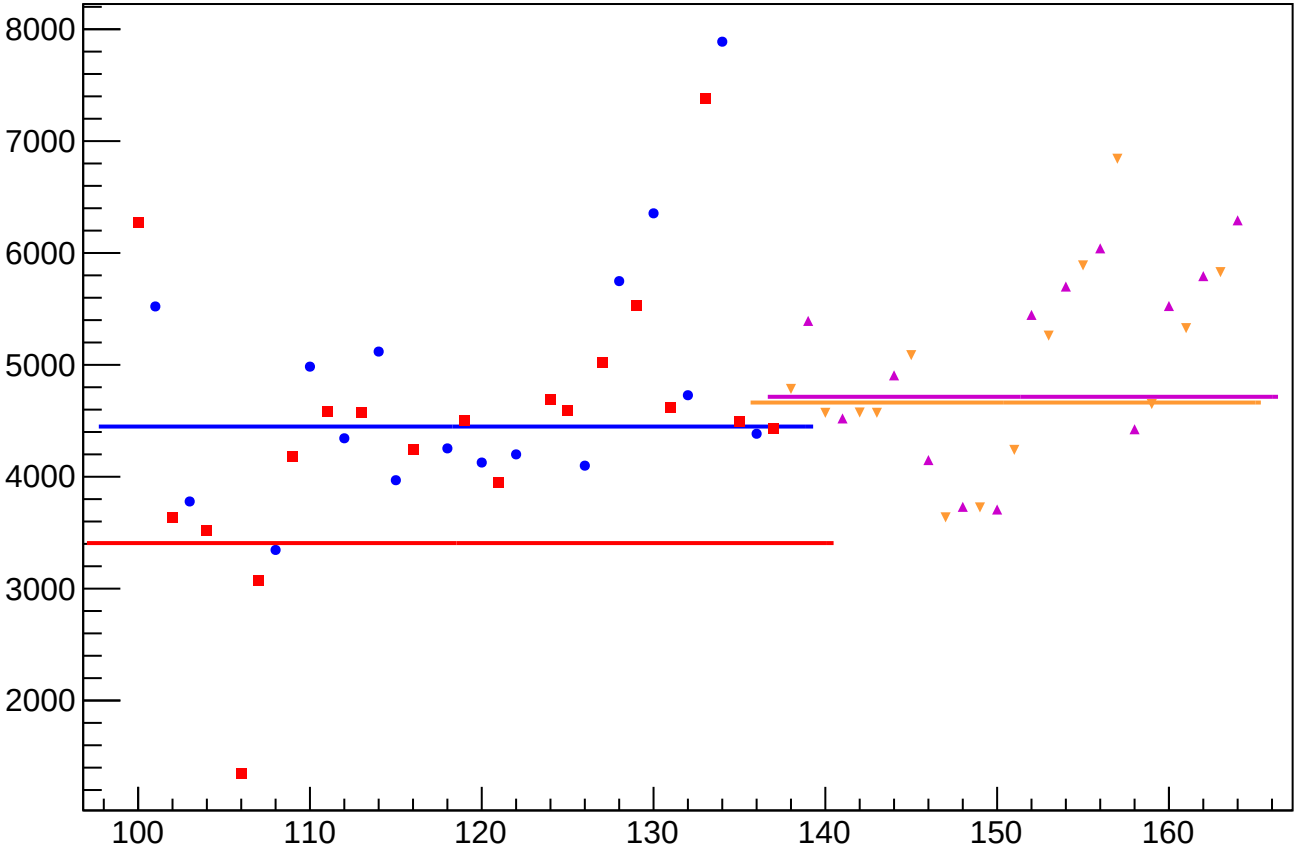
Left In: -1218.311+/-1450.353 χ^2/NDF:8.8/12

+ sign -649.471+/-1087.449 χ^2/NDF: 33.2/29

All: -562.132+/-733.472 χ^2/NDF: 58.3/61

- 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: 4663.328+/-1.005 χ^2/NDF:616063.3/13

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

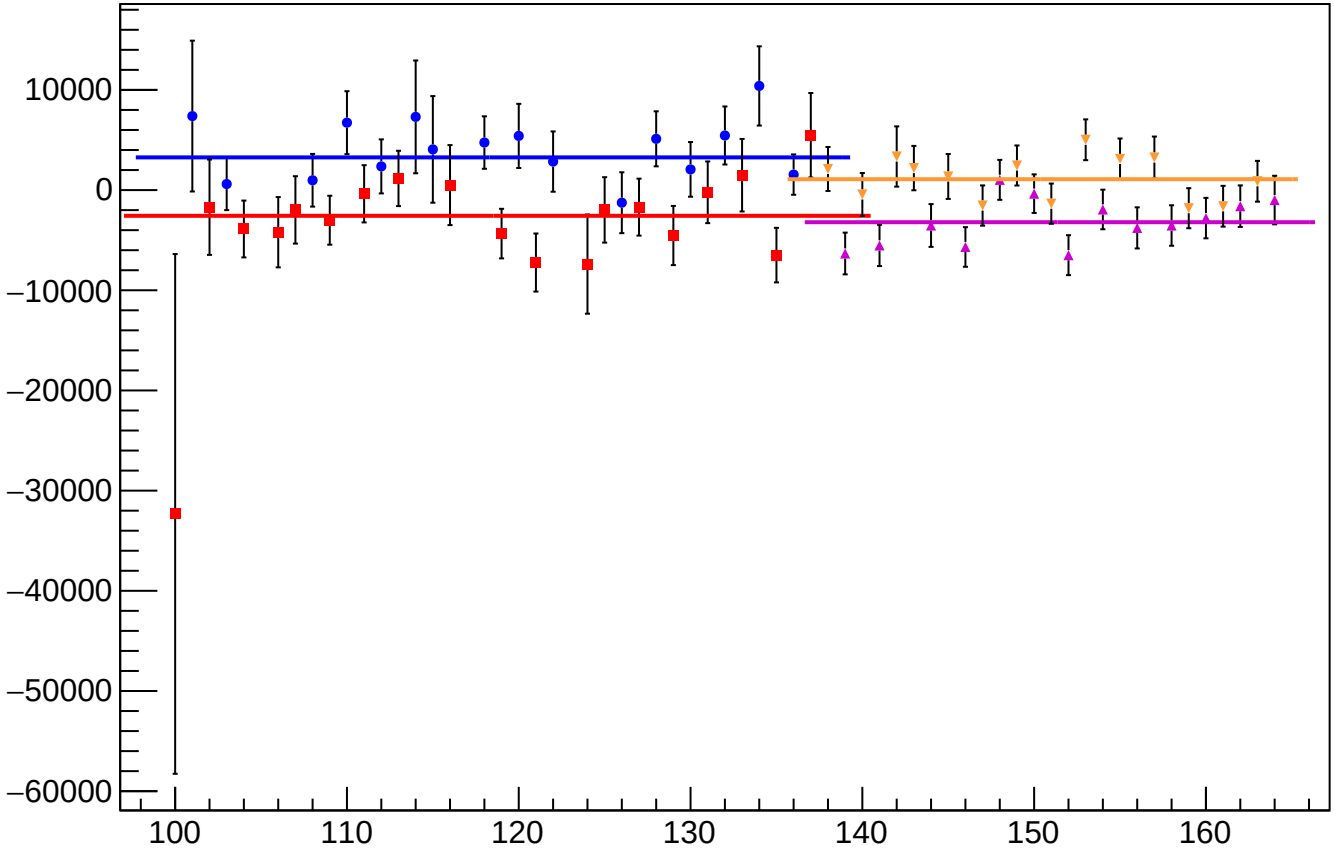
Left In: 4714.660+/-1.026 χ^2/NDF:650187.4/12

+ sign 4574.466+/-0.769 χ^2/NDF: 1129576.4/29

All: 4272.596+/-0.519 χ^2/NDF: 5251367.1/61

- 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: 1087.554+/-565.273 χ^2/NDF:14.9/13

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

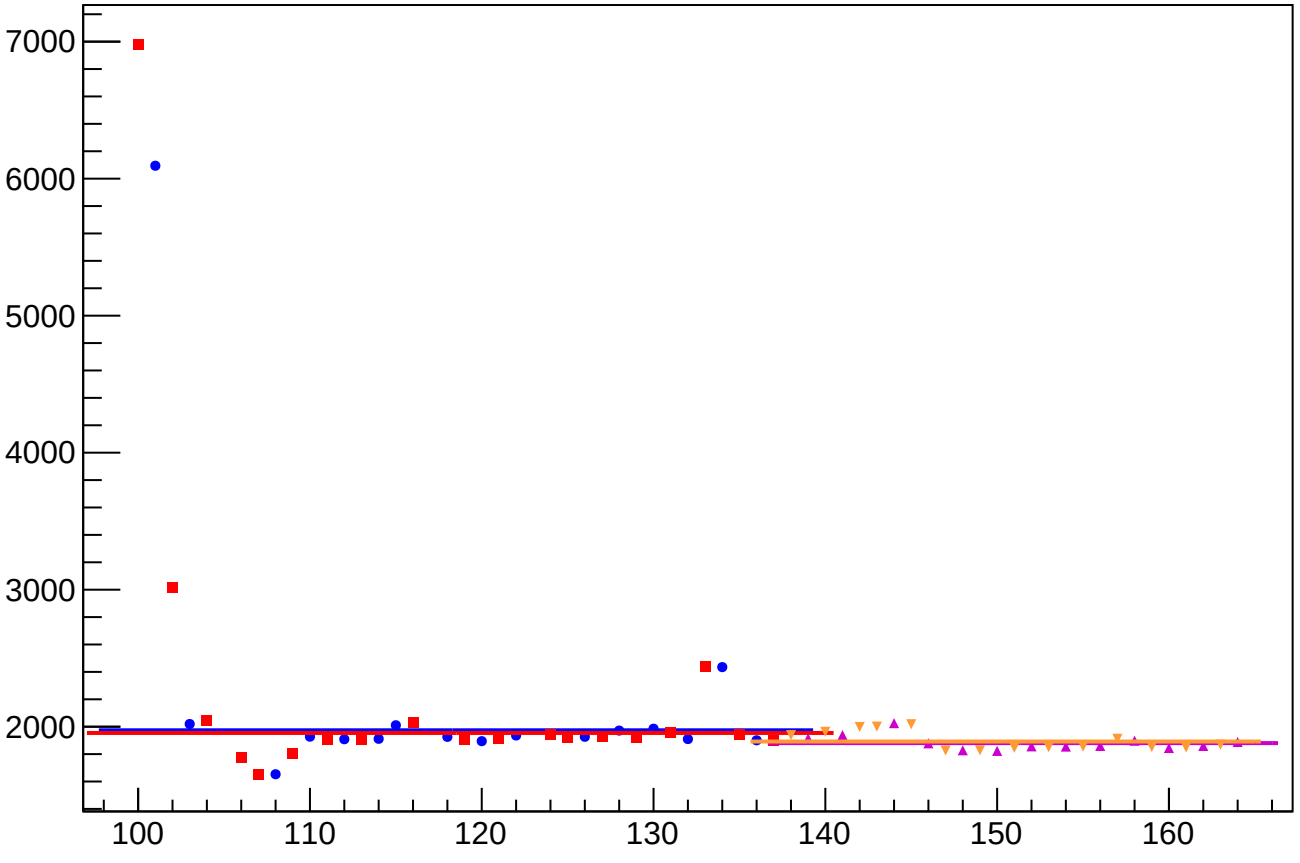
Left In: -3206.403+/-567.891 χ^2/NDF:16.5/12

+ sign 1875.088+/-451.605 χ^2/NDF: 32.4/29

All: -558.161+/-318.534 χ^2/NDF: 124.2/61

- 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: 1891.913+/-0.400 χ^2/NDF:25586.7/13

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

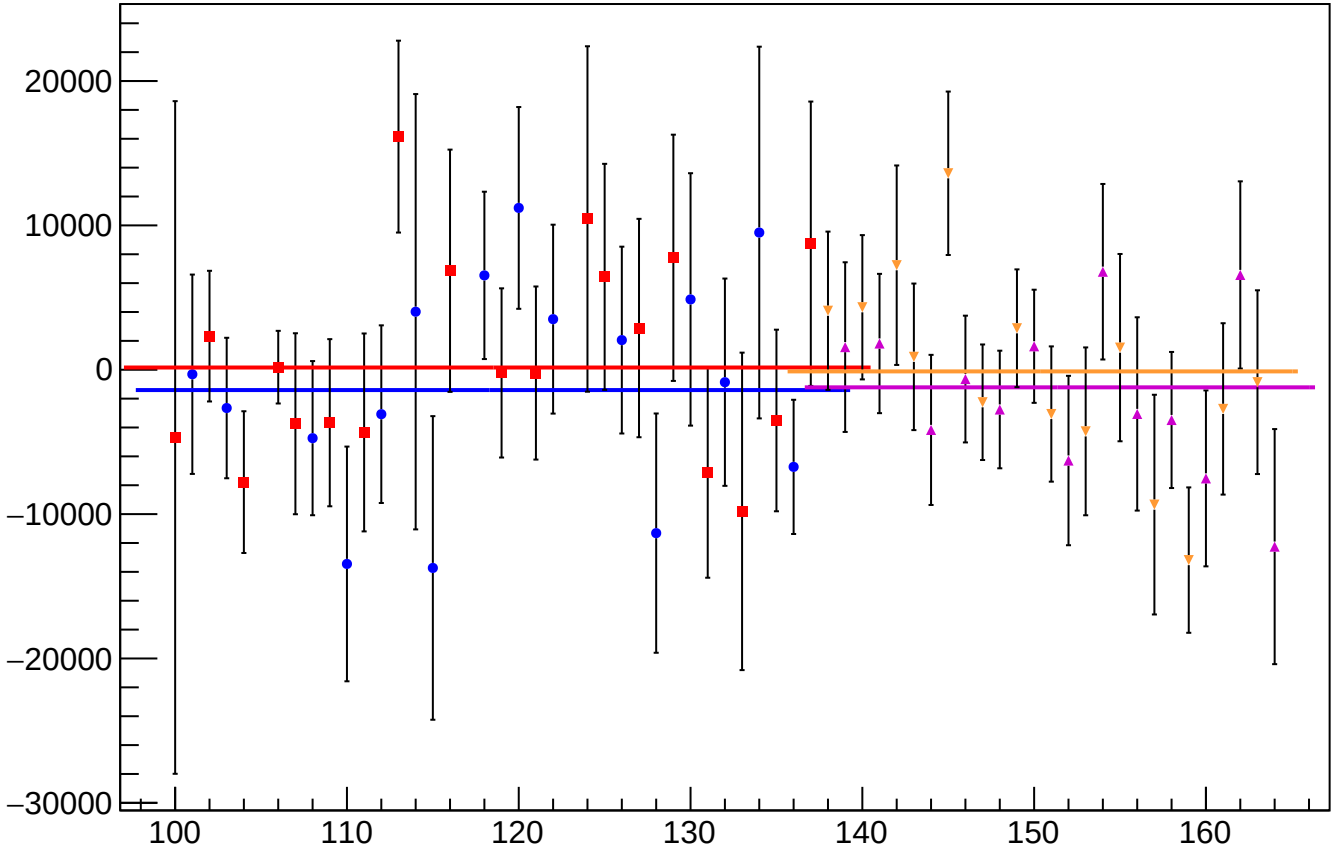
Left In: 1880.242+/-0.402 χ^2/NDF:16473.6/12

+ sign 1921.515+/-0.319 χ^2/NDF: 705873.9/29

All: 1914.710+/-0.225 χ^2/NDF: 982206.4/61

- sign 1907.977+/-0.318 χ^2/NDF: 275429.0/31

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -113.920+/-1420.622 χ^2/NDF:18.6/13

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

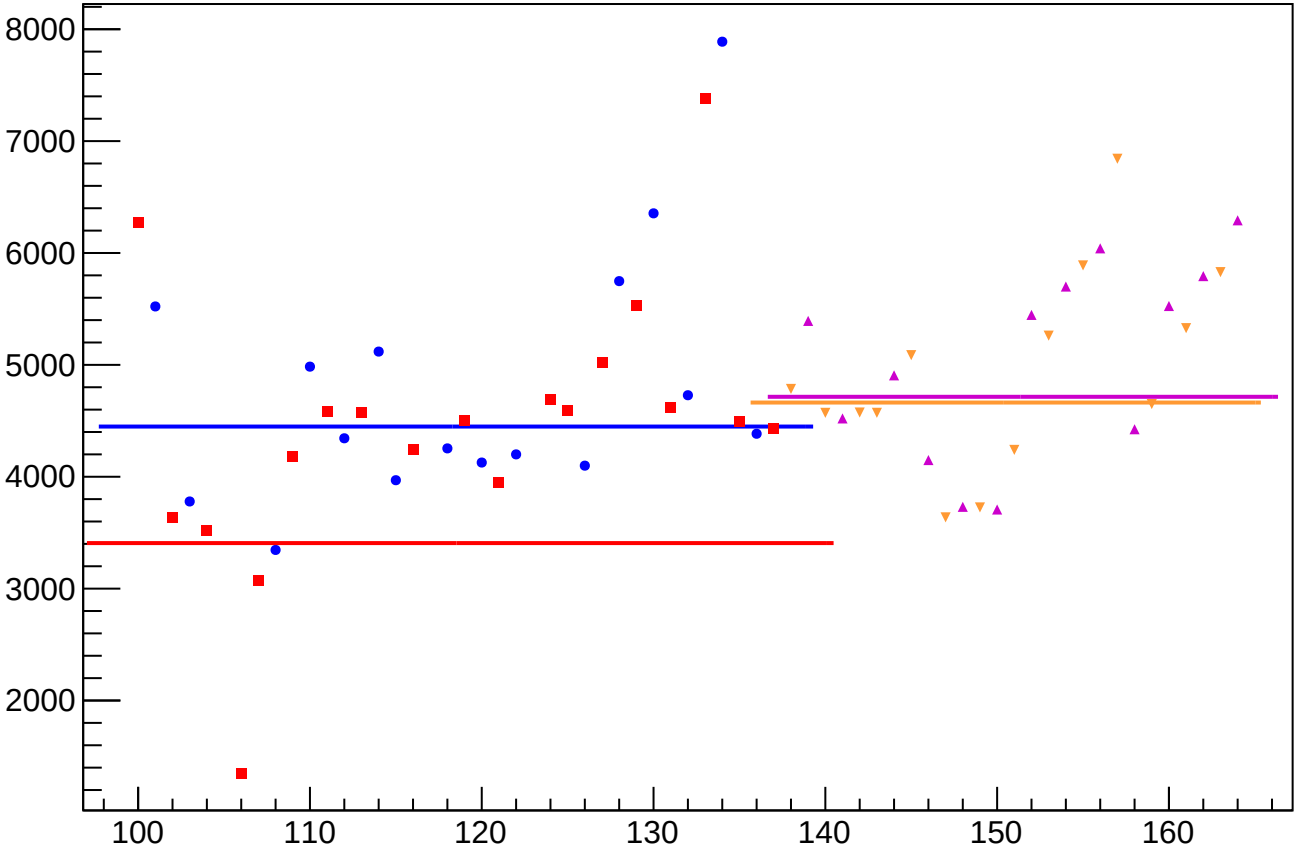
Left In: -1218.309+/-1450.355 χ^2/NDF:8.8/12

+ sign -649.469+/-1087.449 χ^2/NDF: 33.2/29

All: -562.128+/-733.472 χ^2/NDF: 58.3/61

- 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: 4663.335+/-1.005 χ^2/NDF:616063.2/13

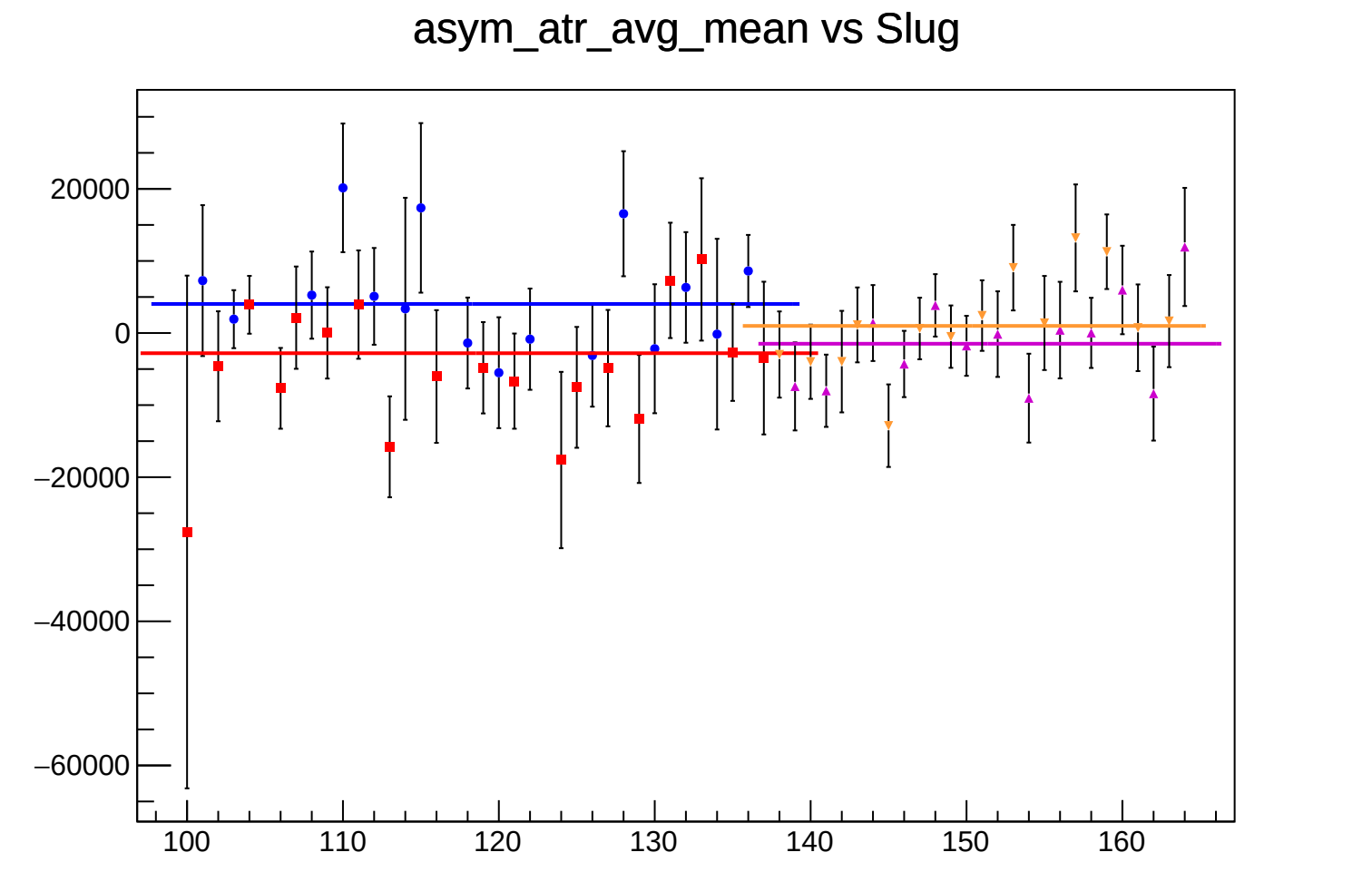
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4714.667+/-1.026 χ^2/NDF:650186.7/12

+ sign 4574.467+/-0.769 χ^2/NDF: 1129575.9/29

All: 4272.594+/-0.519 χ^2/NDF: 5251394.5/61

- sign 4020.639+/-0.702 χ^2/NDF: 3839063.5/31



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 987.757+/-1470.493 χ^2/NDF:16.5/13

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

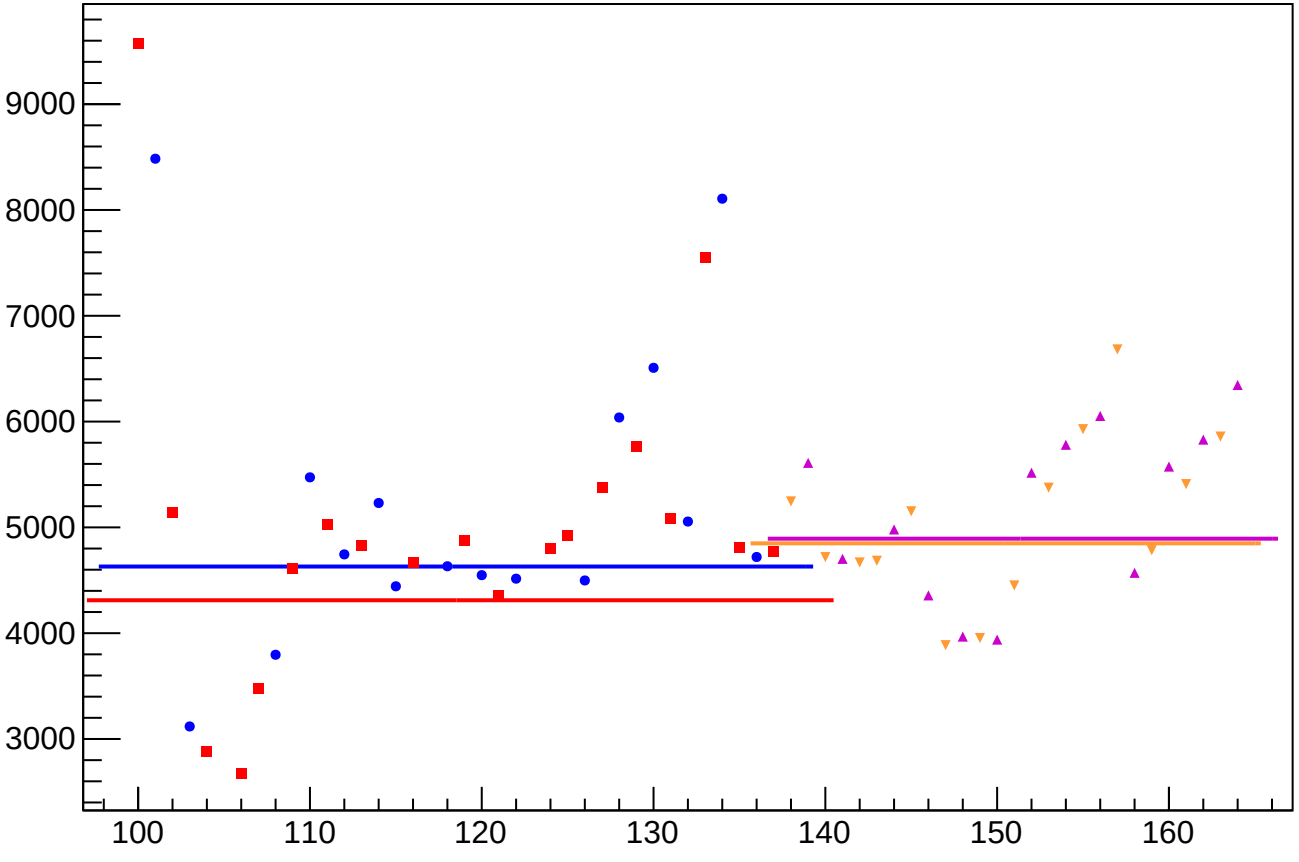
Left In: -1486.634+/-1499.130 χ^2/NDF:11.8/12

+ sign 2221.984+/-1134.200 χ^2/NDF: 30.5/29

All: 40.416+/-795.538 χ^2/NDF: 65.4/61

- sign -2072.224+/-1116.138 χ^2/NDF: 27.6/31

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4849.123+/-1.040 χ^2/NDF:478899.2/13

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

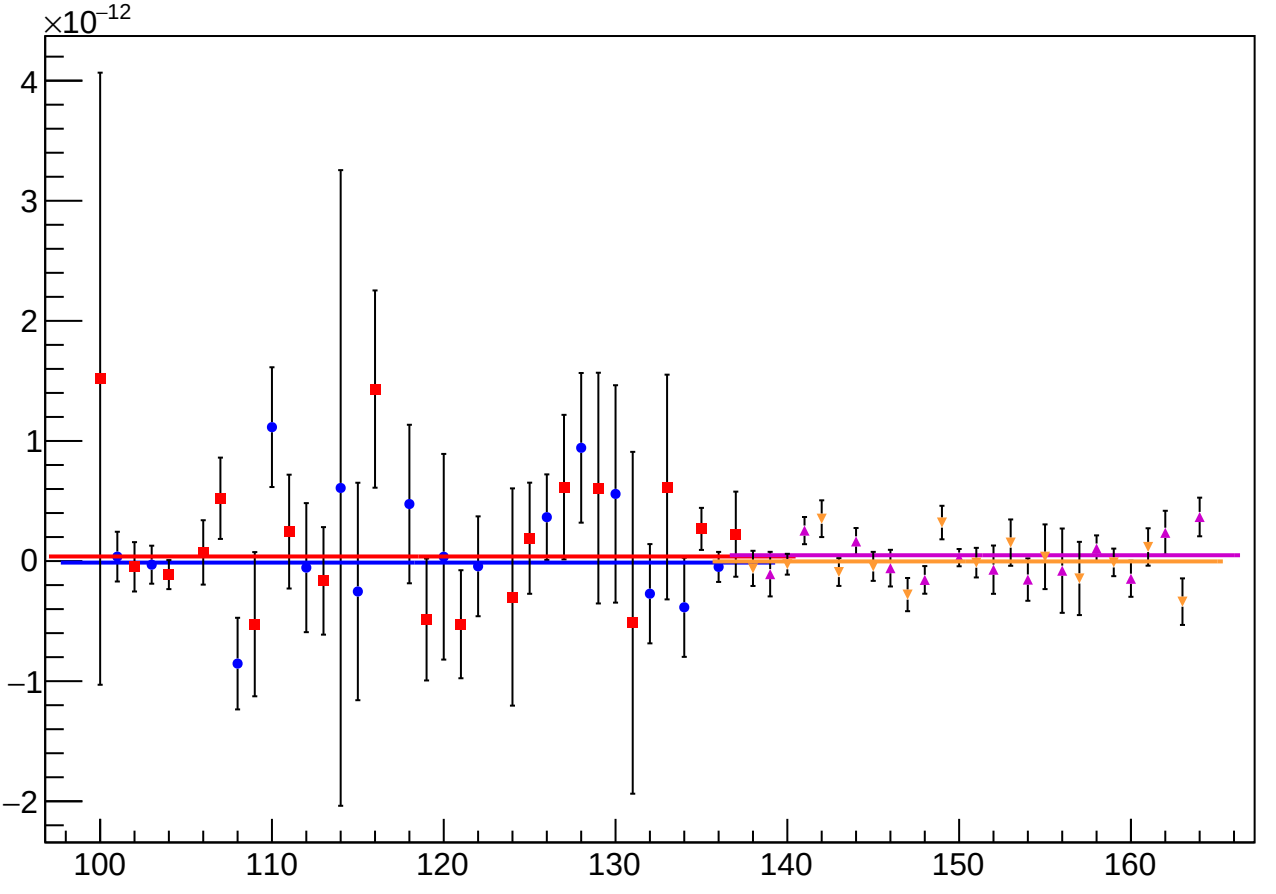
Left In: 4893.204+/-1.060 χ^2/NDF:515389.1/12

+ sign 4760.346+/-0.802 χ^2/NDF: 1397140.8/29

All: 4694.547+/-0.561 χ^2/NDF: 2966101.0/61

- 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:20.2/13

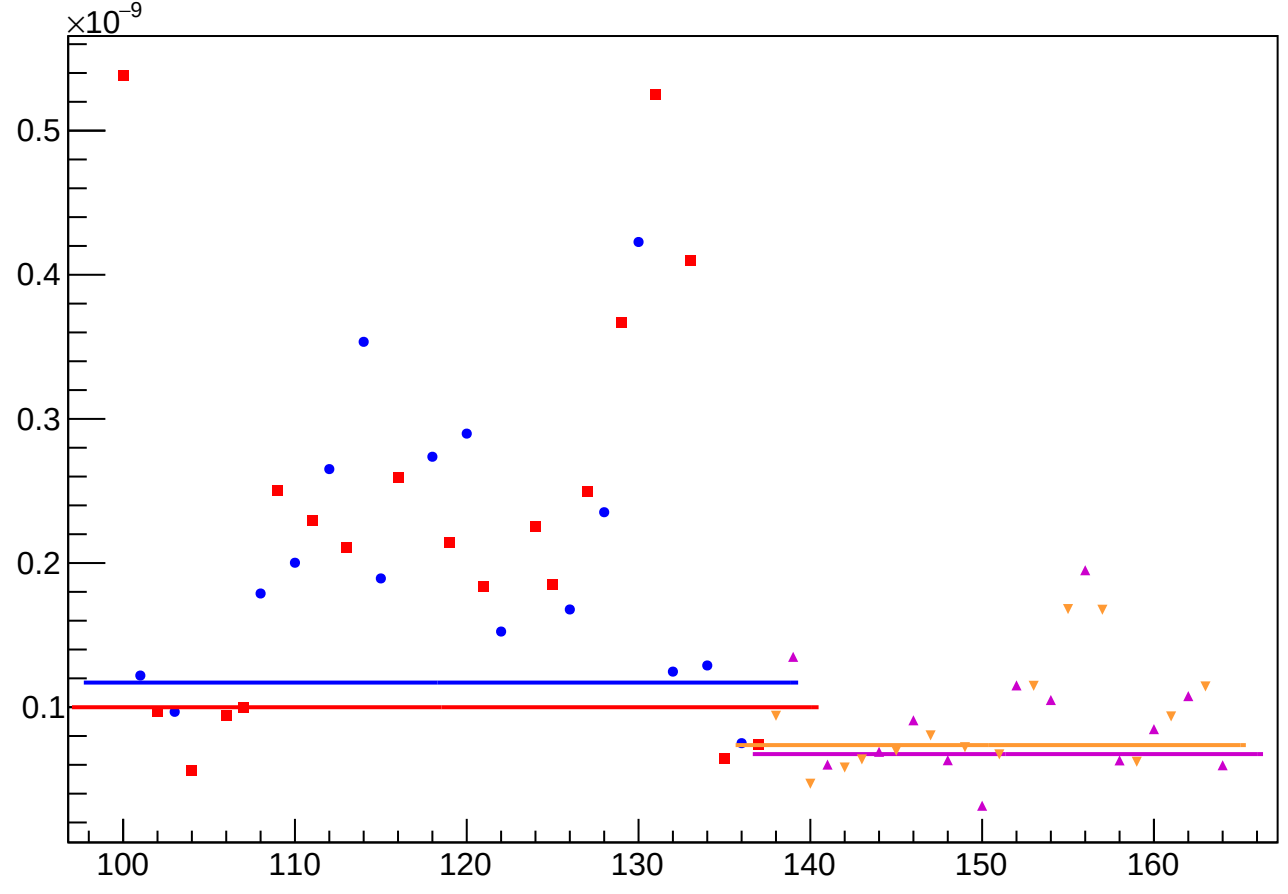
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 36.1/29

All: 0.000+/-0.000 χ^2/NDF: 69.9/61

- sign 0.000+/-0.000 χ^2/NDF: 32.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:944647.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

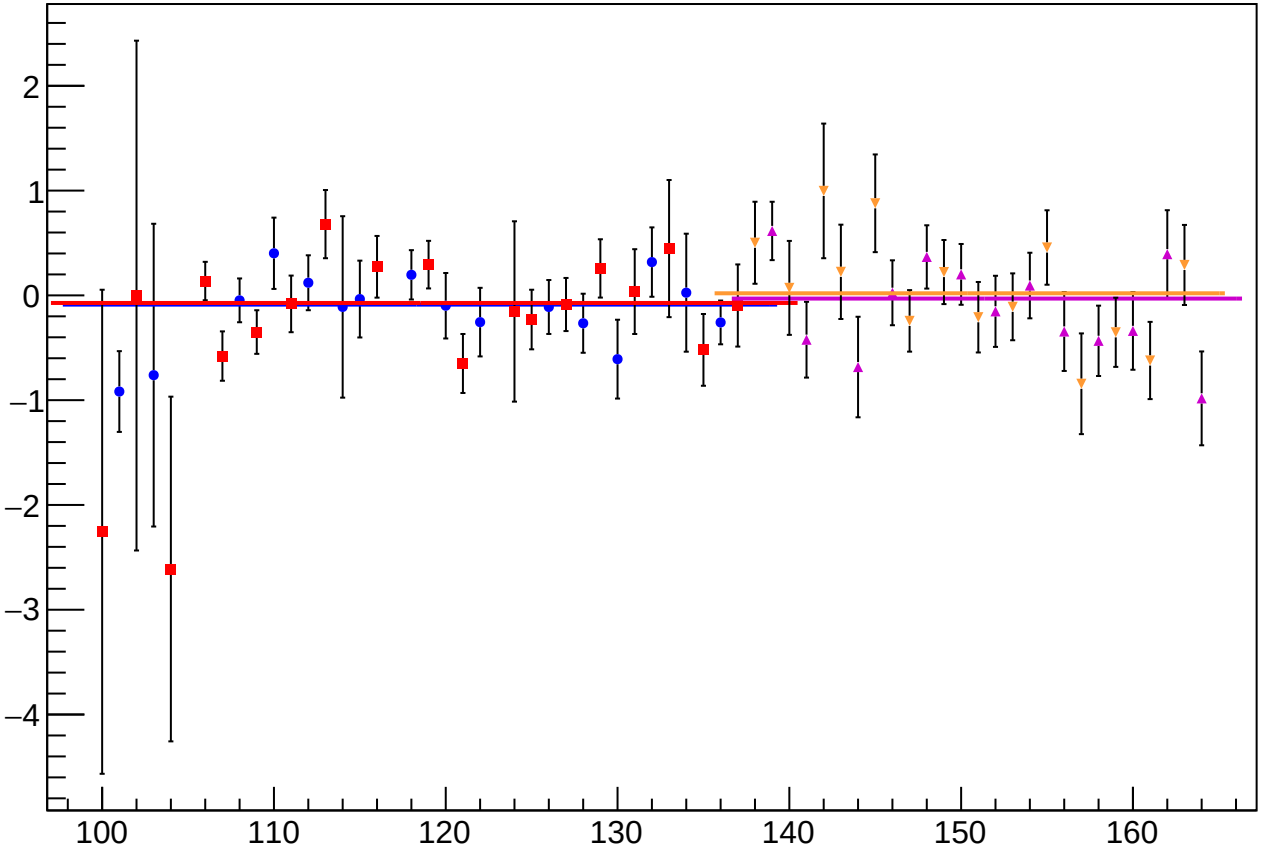
Left In: 0.000+/-0.000 χ^2/NDF:1417326.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2578310.4/29

All: 0.000+/-0.000 χ^2/NDF: 6221965.9/61

- 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: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

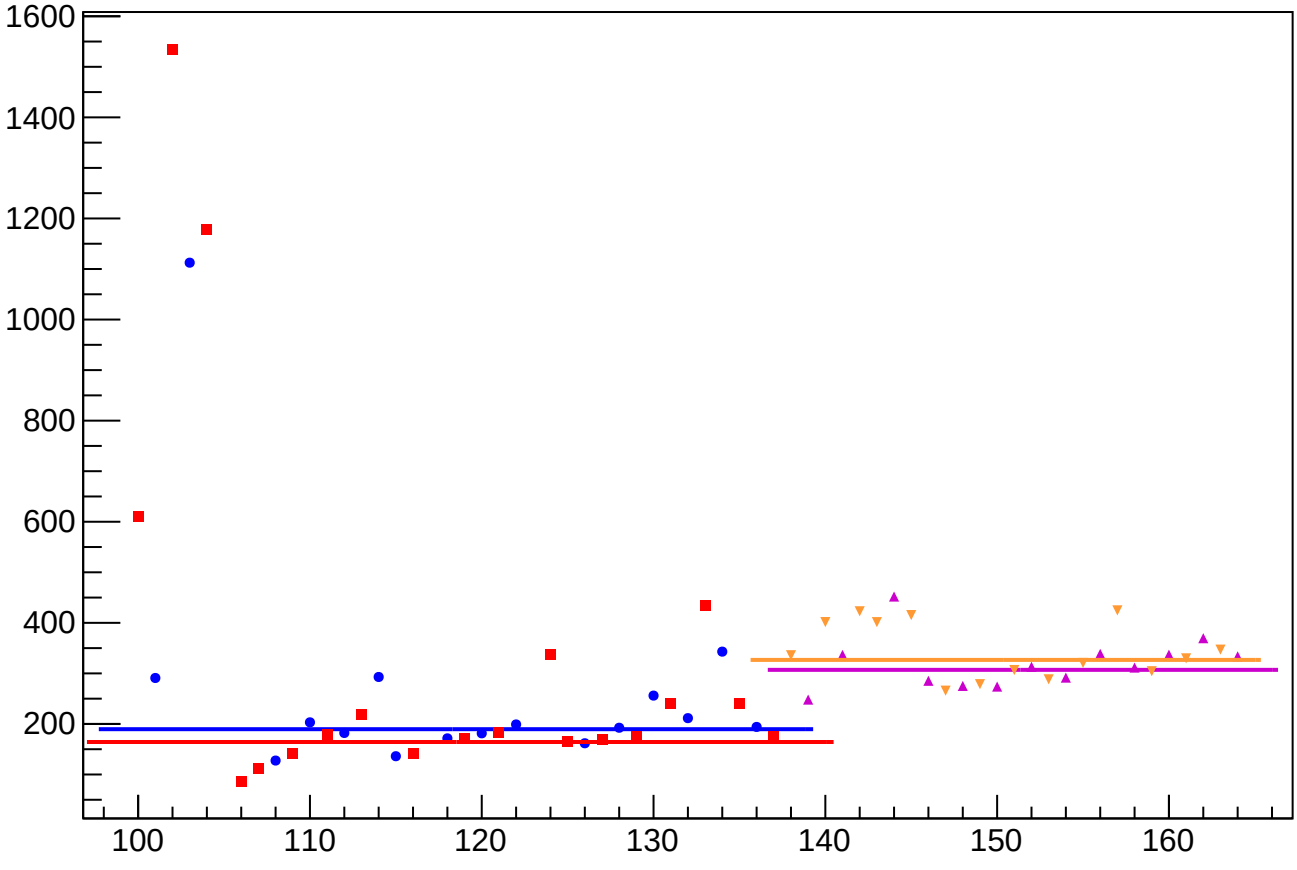
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.053+/-0.041 χ^2/NDF: 81.7/61

- 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: 326.697+/-0.071 χ^2/NDF:499017.4/13

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

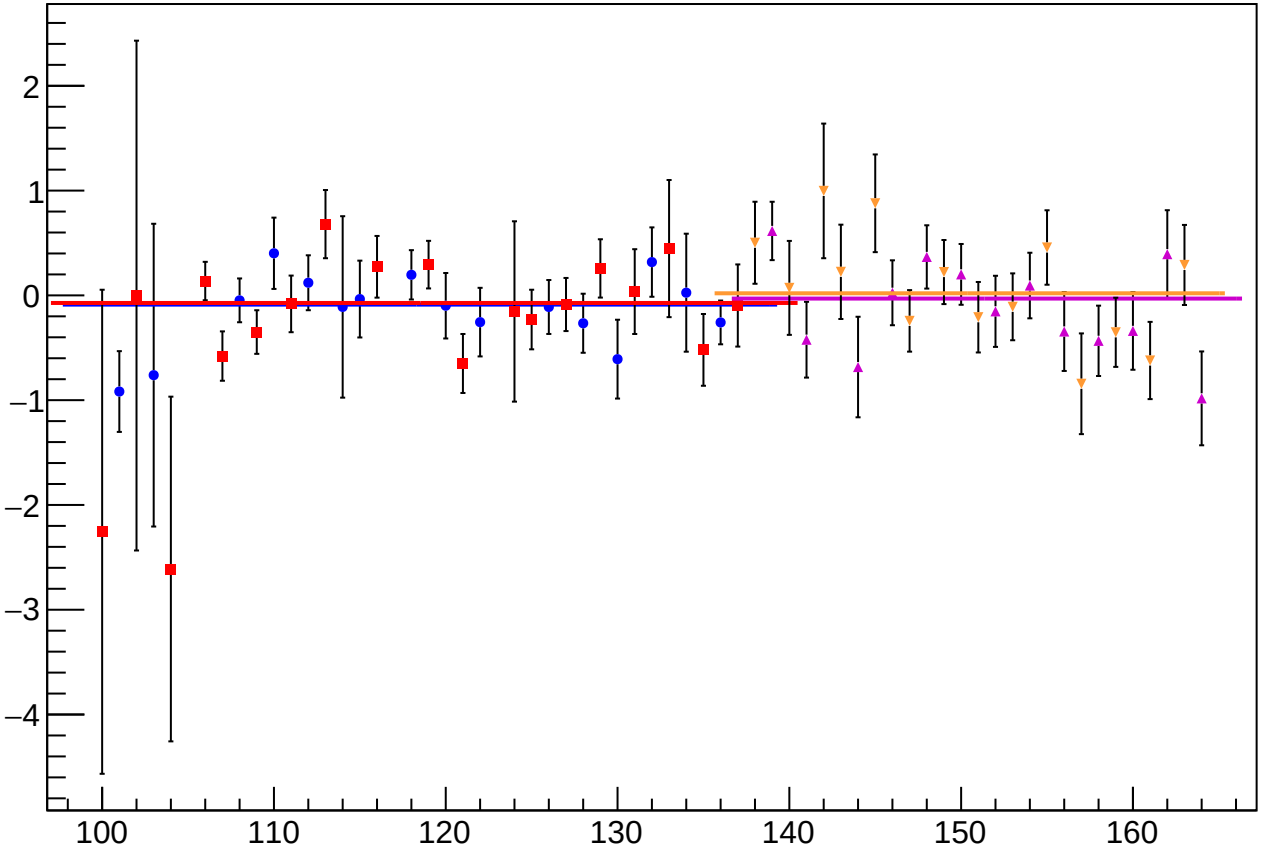
Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

+ sign 240.475+/-0.043 χ^2/NDF: 4329666.9/29

All: 226.512+/-0.029 χ^2/NDF: 10523620.4/61

- 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: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

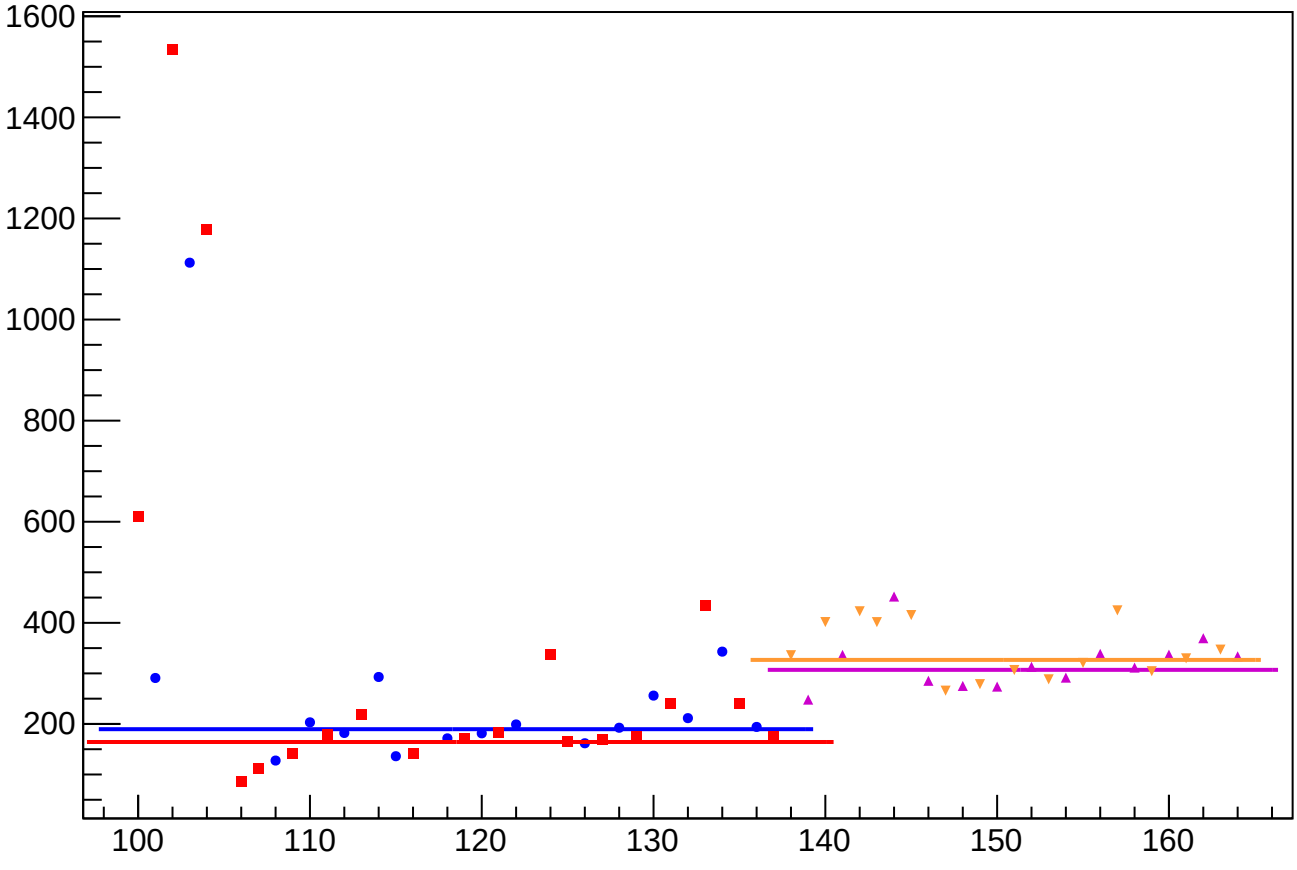
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.053+/-0.041 χ^2/NDF: 81.7/61

- 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: 326.697+/-0.071 χ^2/NDF:499017.4/13

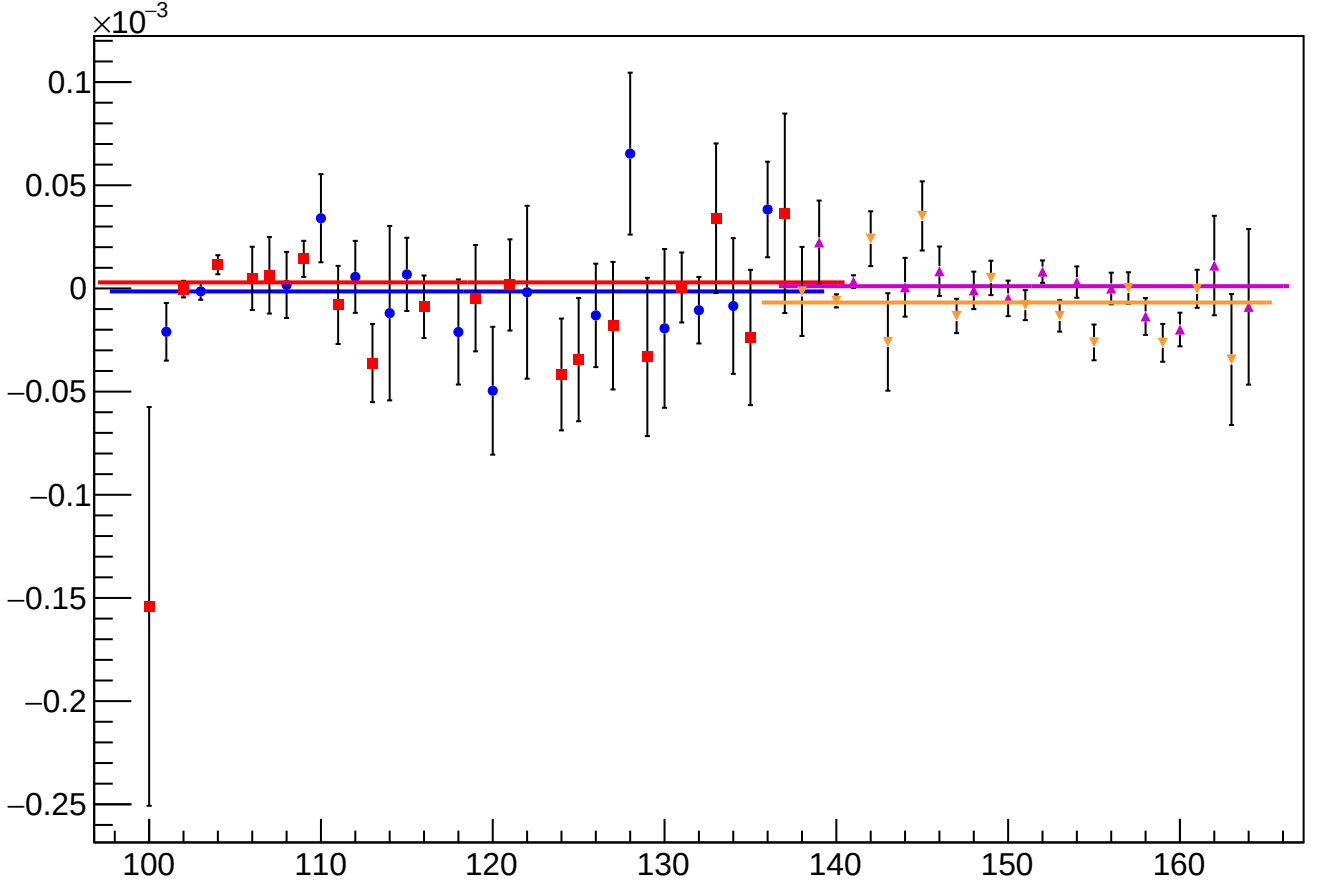
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

+ sign 240.475+/-0.043 χ^2/NDF: 4329666.9/29

All: 226.512+/-0.029 χ^2/NDF: 10523620.4/61

- 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:27.5/13

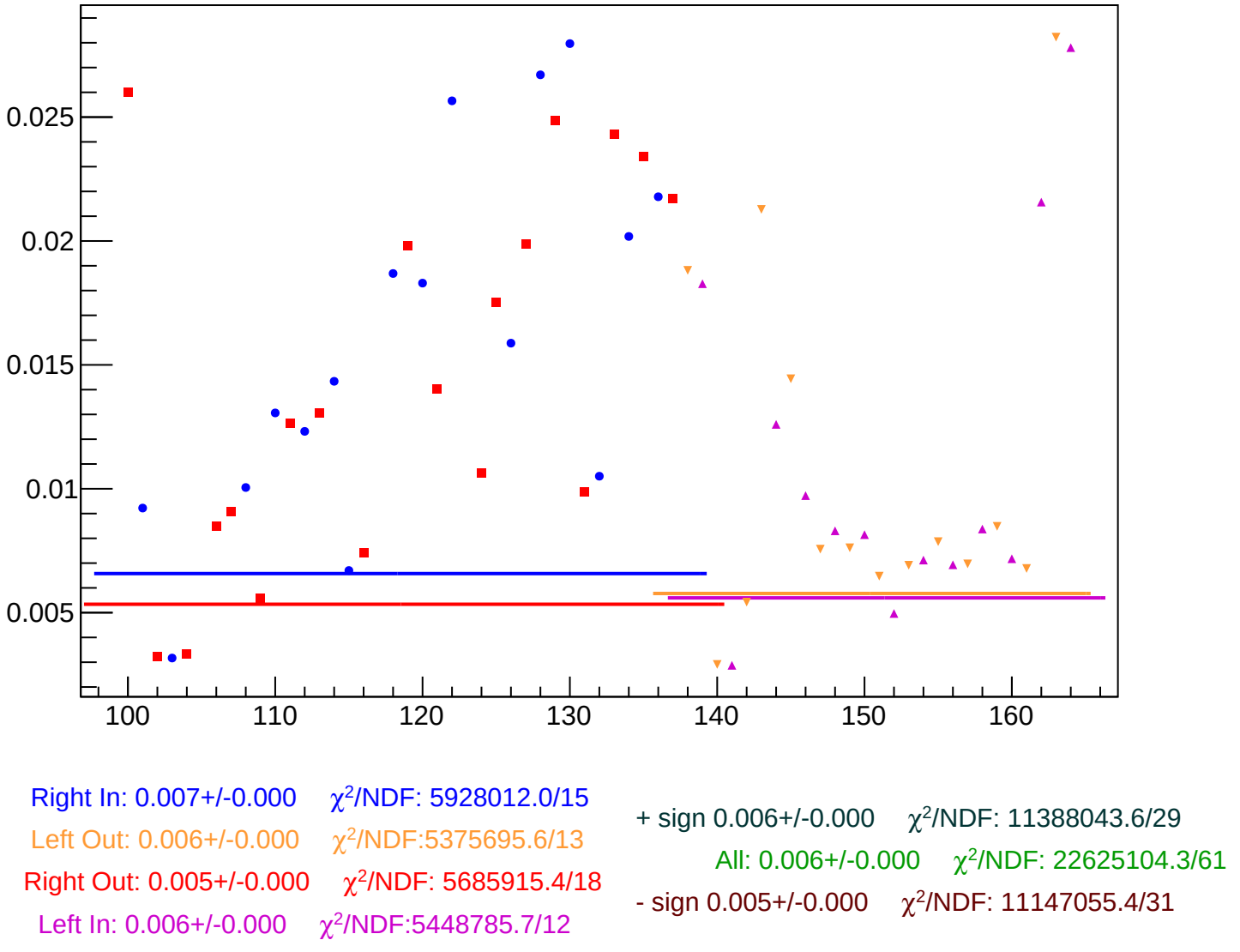
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

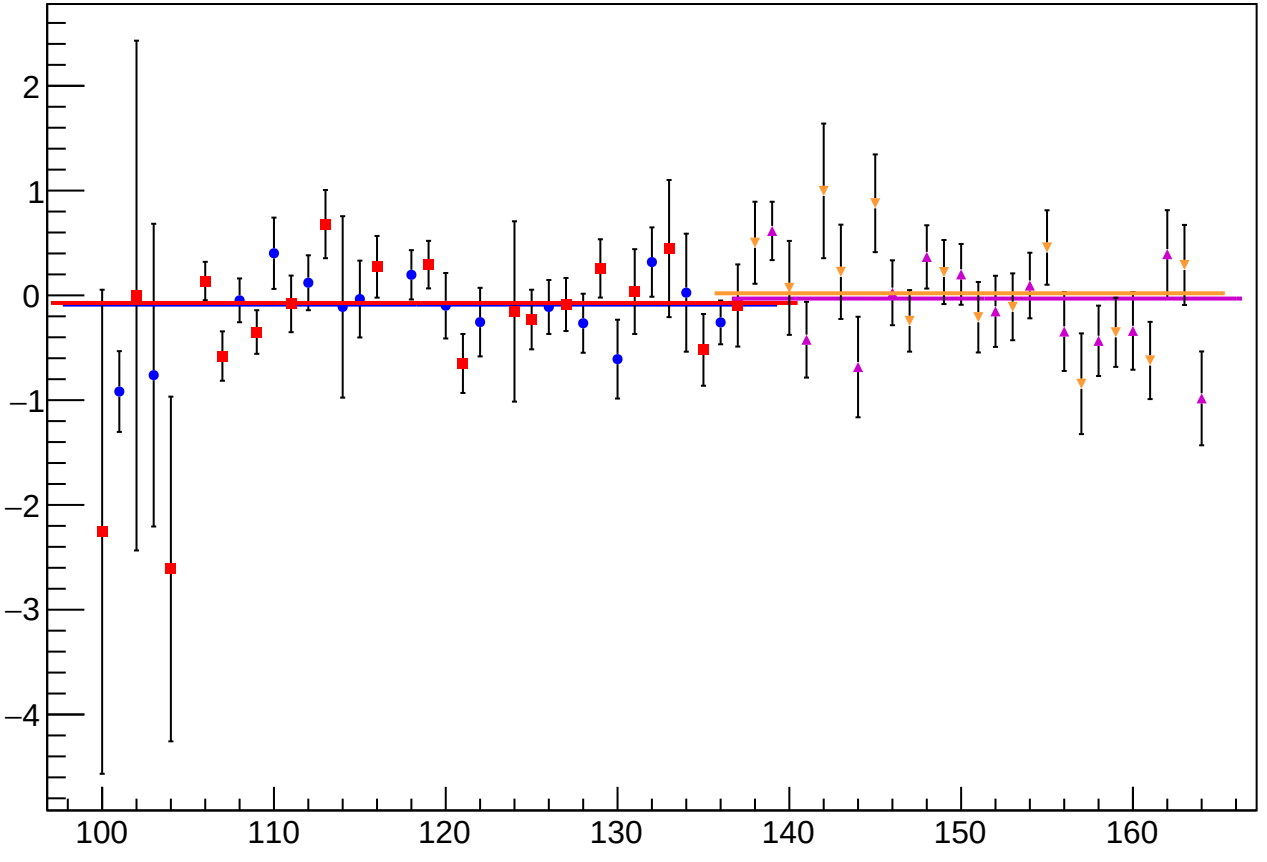
+ sign -0.000+/-0.000 χ^2/NDF: 44.2/29

All: -0.000+/-0.000 χ^2/NDF: 88.7/61

- 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:5375695.6/13
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: 11388043.6/29
All: 0.006+/-0.000 χ²/NDF: 22625104.3/61
- 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: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

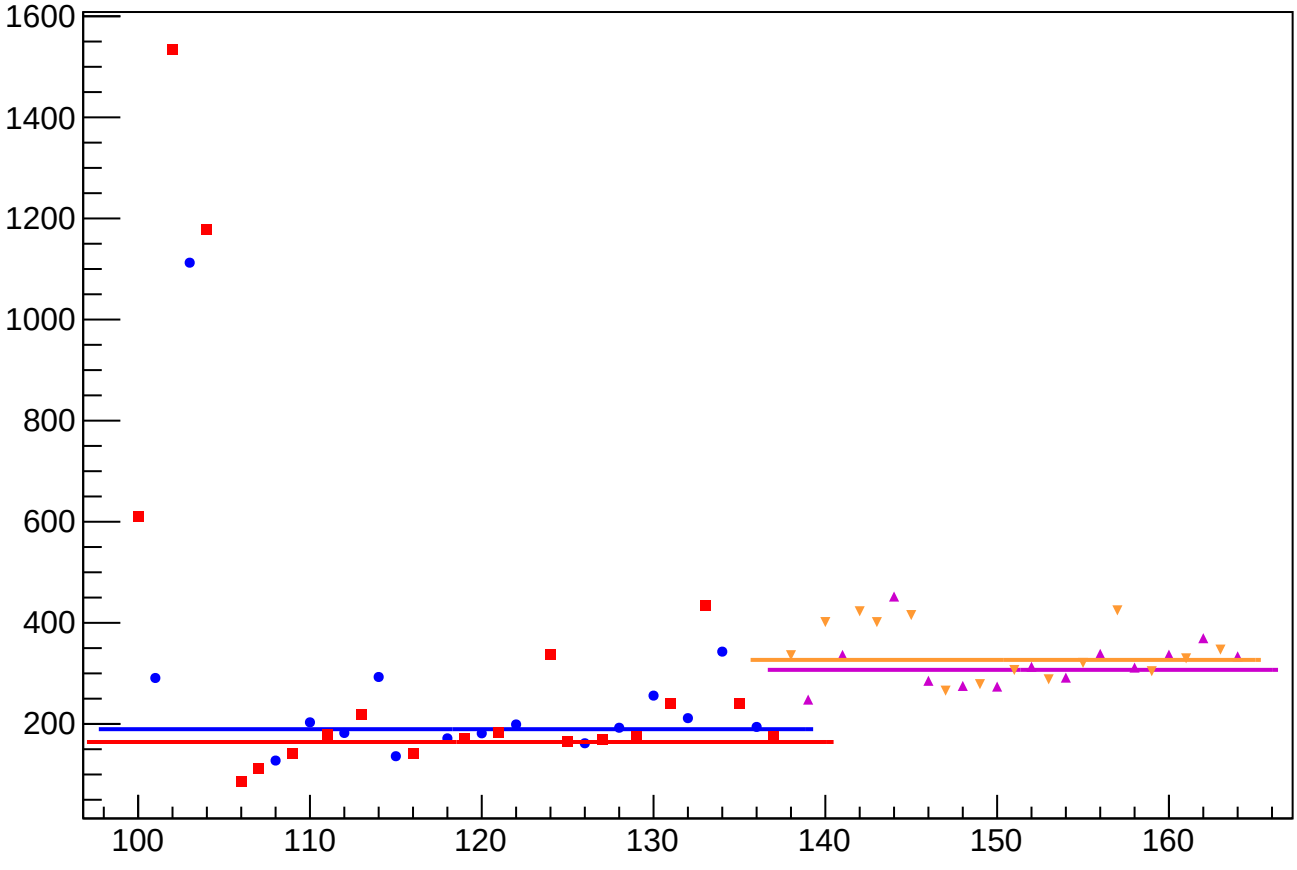
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.053+/-0.041 χ^2/NDF: 81.7/61

- 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: 326.702+/-0.071 χ^2/NDF:499009.9/13

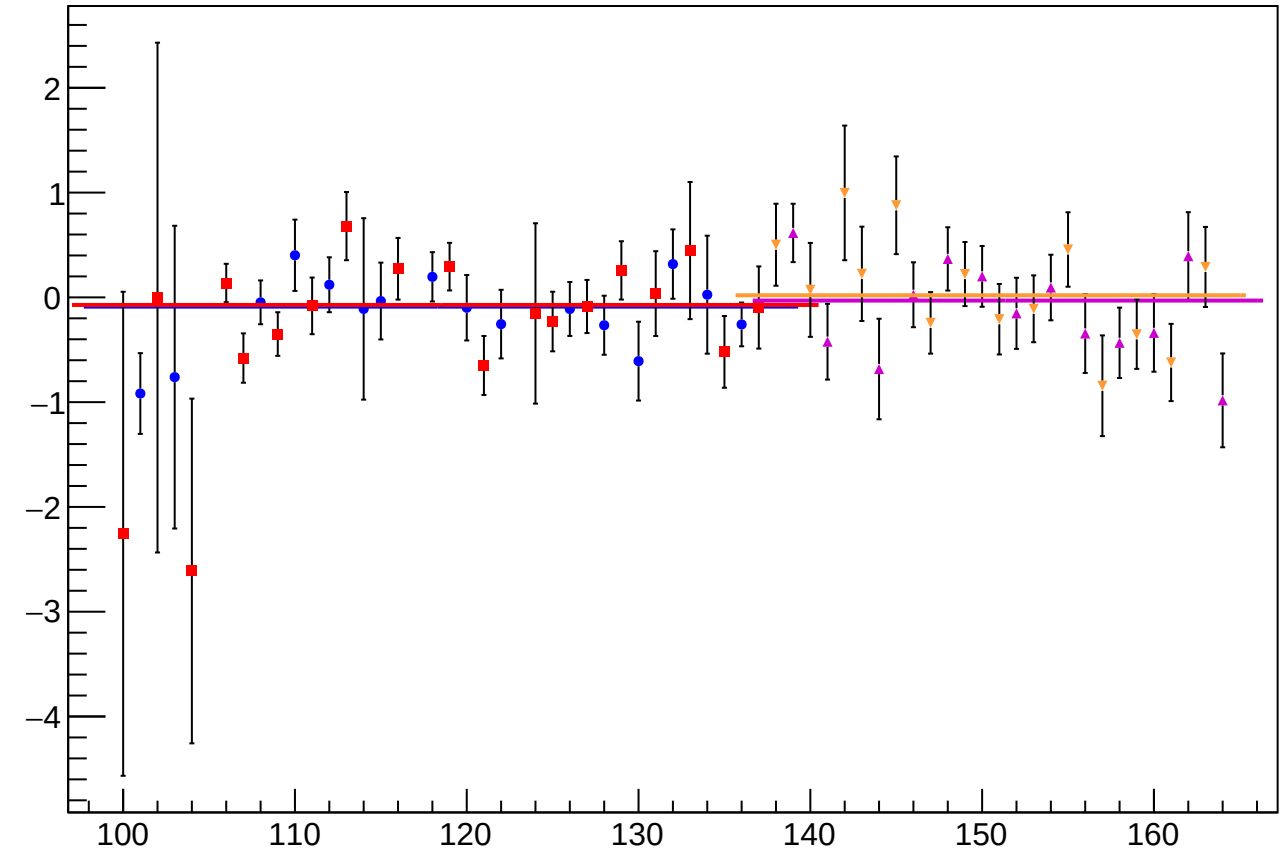
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

+ sign 240.475+/-0.043 χ^2/NDF: 4329805.1/29

All: 226.512+/-0.029 χ^2/NDF: 10523903.8/61

- 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: 0.020+/-0.100 χ^2/NDF:18.9/13

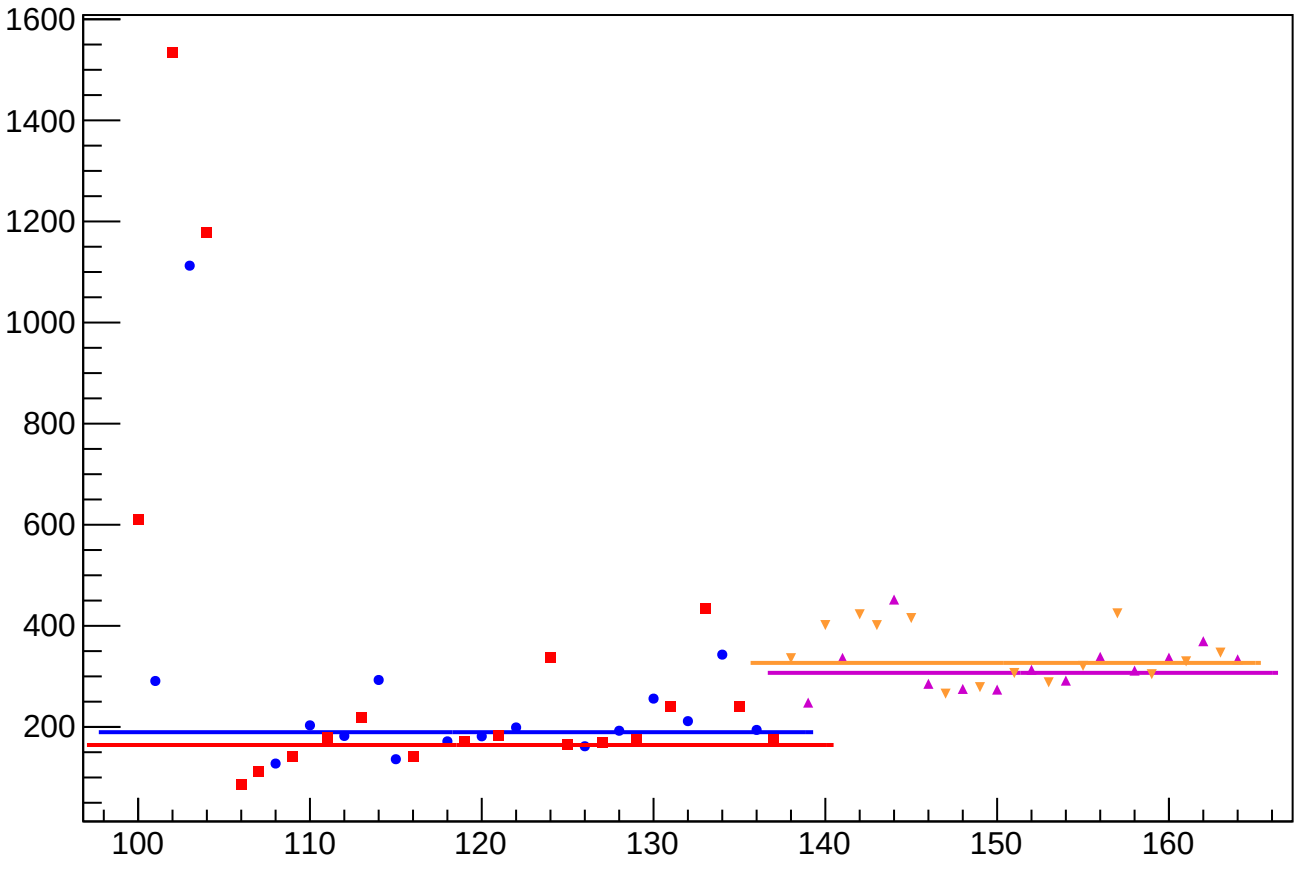
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.053+/-0.041 χ^2/NDF: 81.7/61

- sign -0.058+/-0.056 χ^2/NDF: 48.2/31



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 326.702+/-0.071 χ^2/NDF:499009.9/13

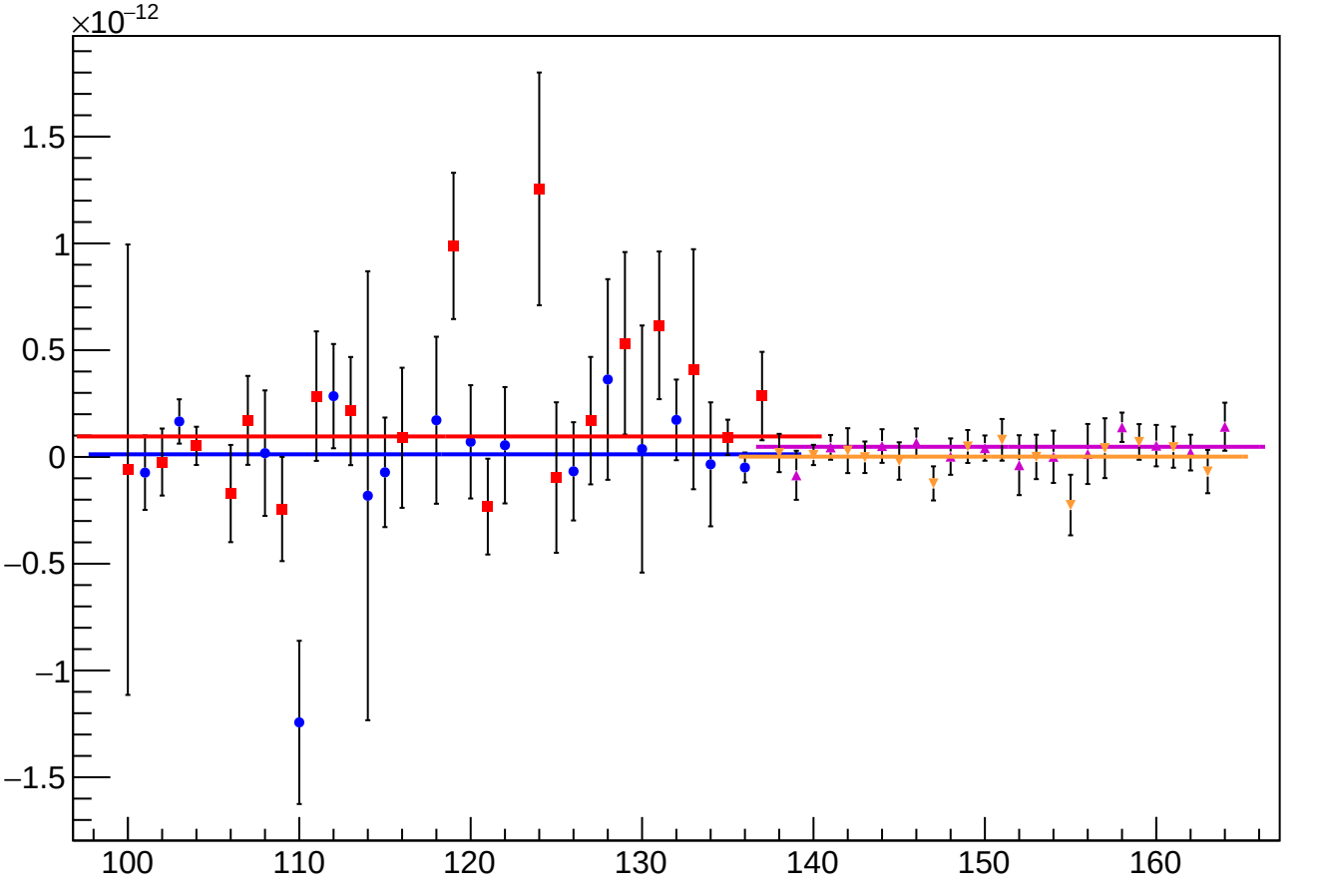
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

+ sign 240.475+/-0.043 χ^2/NDF: 4329805.1/29

All: 226.512+/-0.029 χ^2/NDF: 10523903.8/61

- 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:7.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

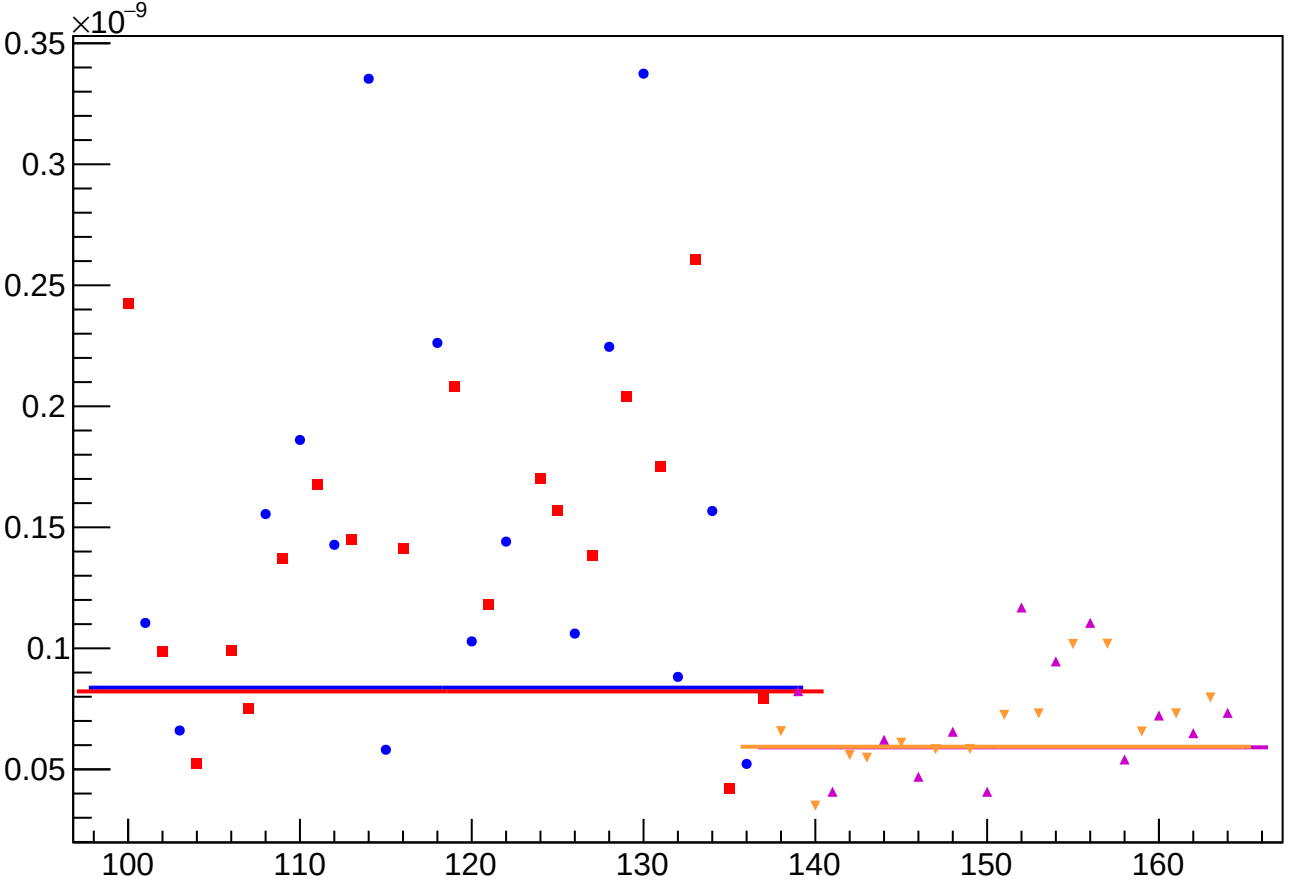
Left In: 0.000+/-0.000 χ^2/NDF:4.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/29

All: 0.000+/-0.000 χ^2/NDF: 57.3/61

- 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:1118205.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

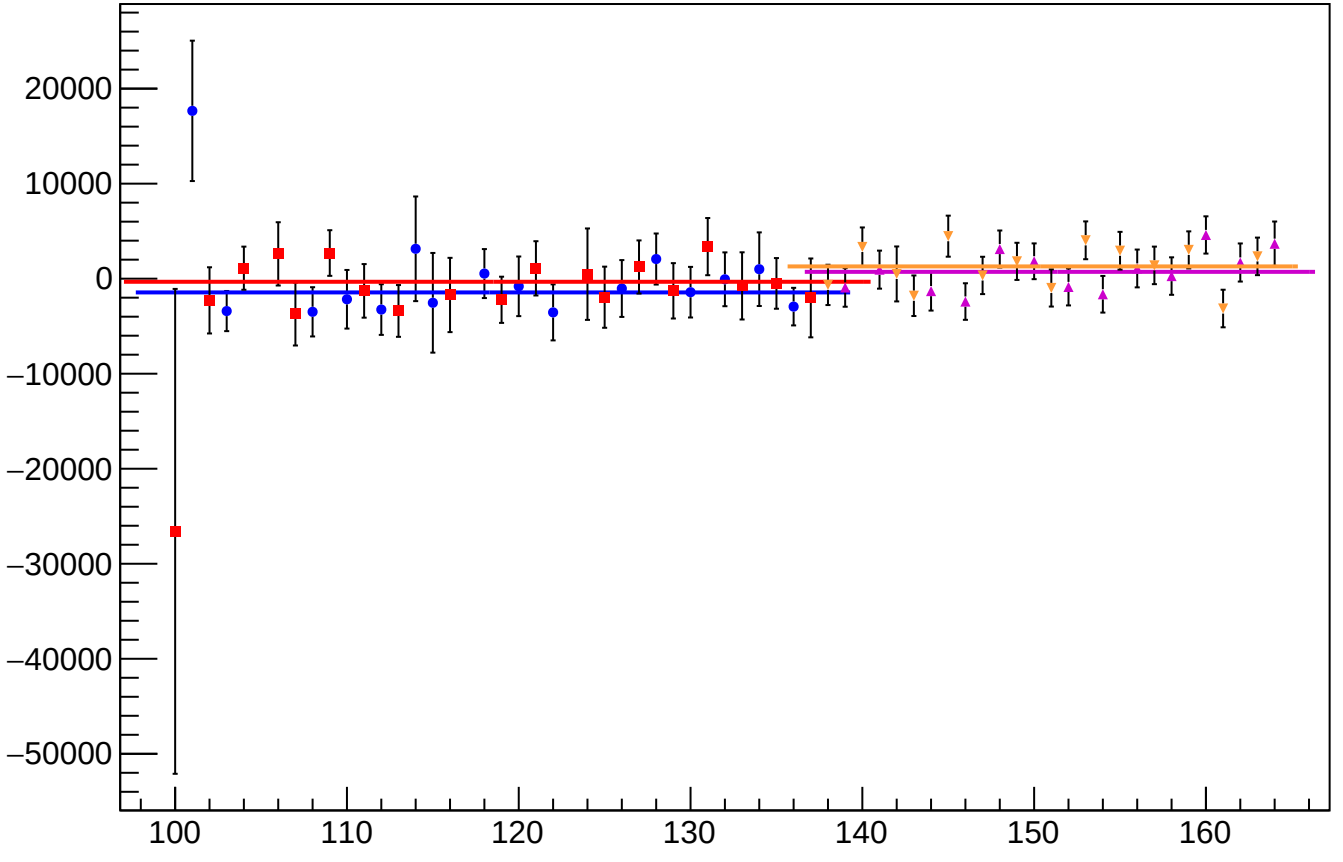
Left In: 0.000+/-0.000 χ^2/NDF:1420196.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3687148.4/29

All: 0.000+/-0.000 χ^2/NDF: 7801298.0/61

- 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: 1290.101+/-547.810 χ^2/NDF:16.5/13

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

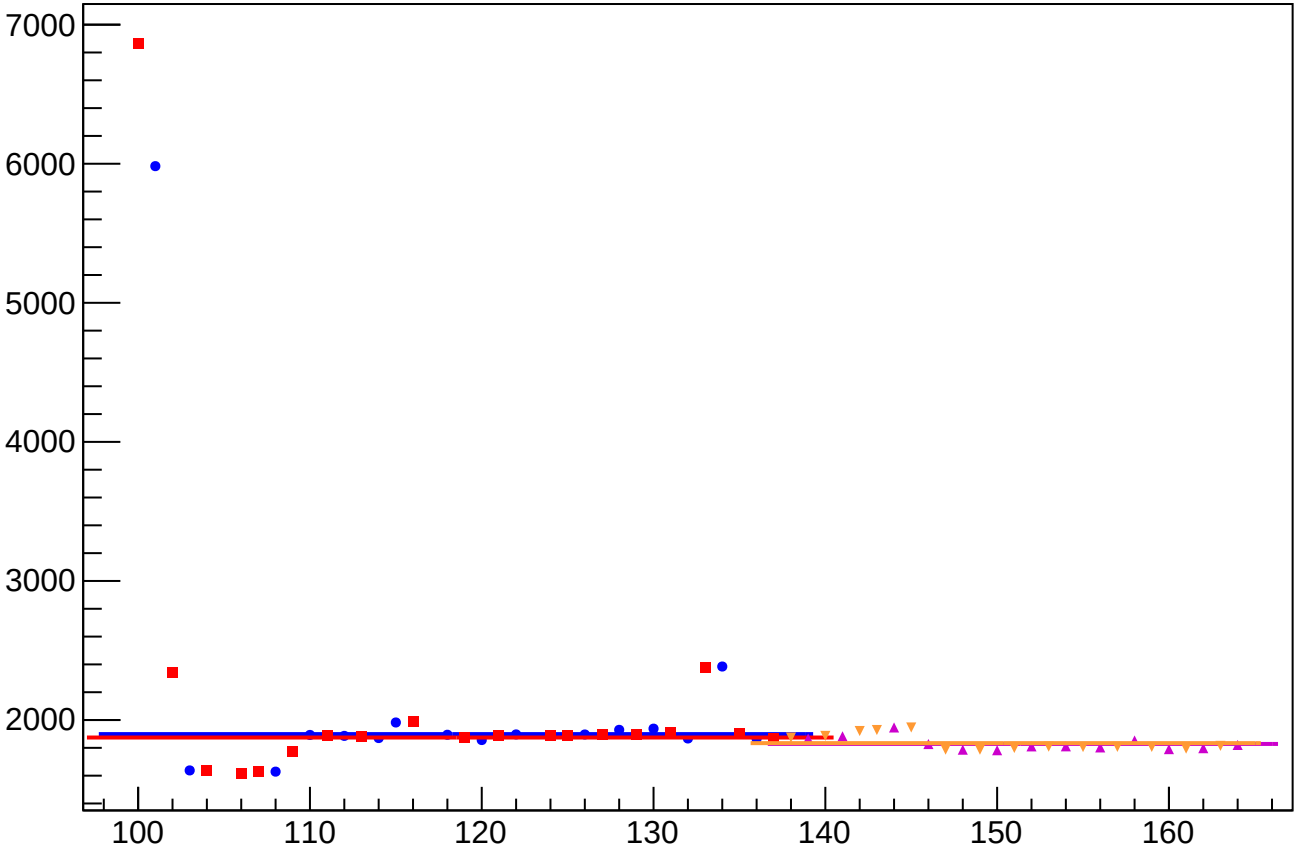
Left In: 718.506+/-552.071 χ^2/NDF:14.2/12

+ sign 292.253+/-436.662 χ^2/NDF: 39.1/29

All: 306.137+/-307.859 χ^2/NDF: 64.6/61

- 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: 1833.866+/-0.387 χ^2/NDF:18598.6/13

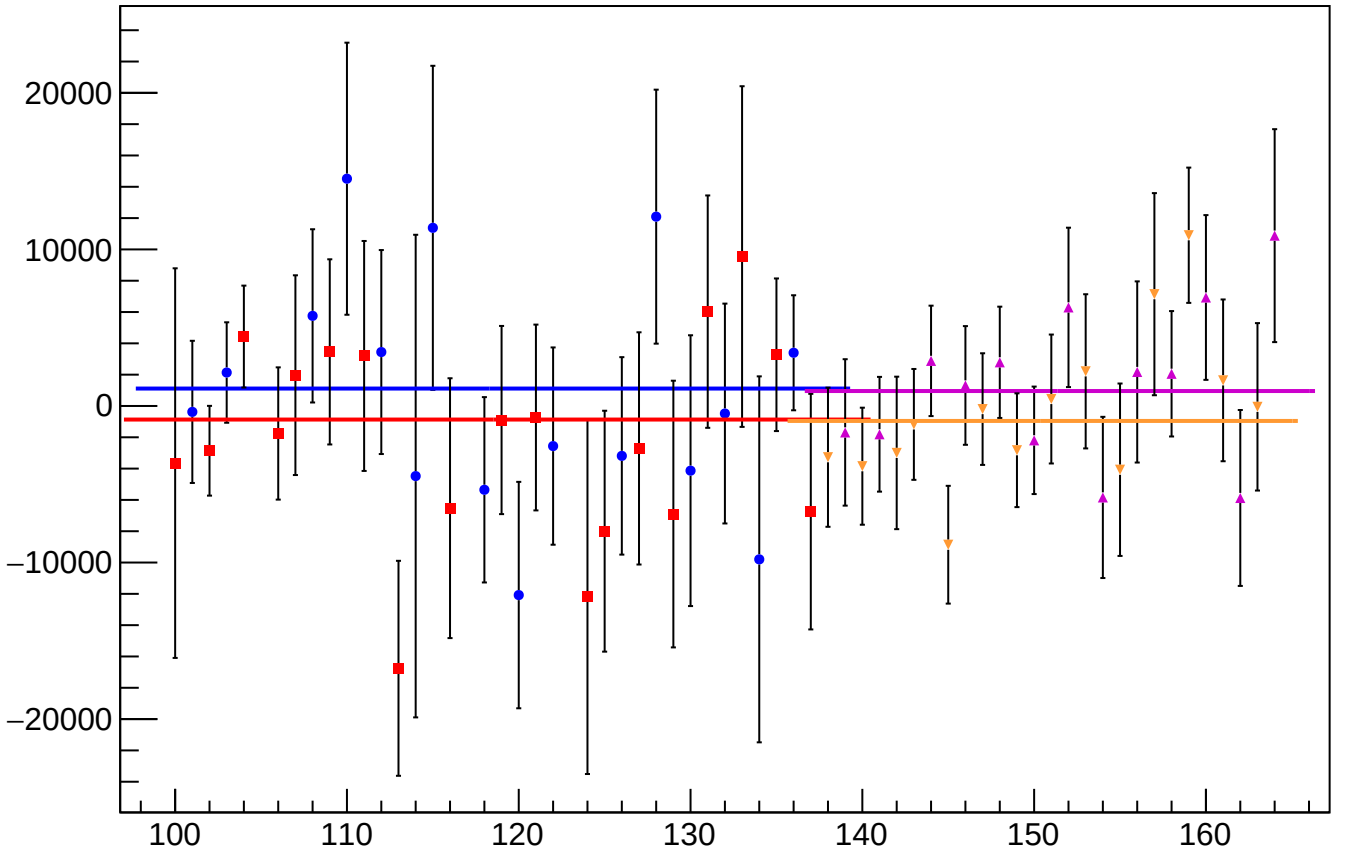
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.1/29

All: 1851.623+/-0.218 χ^2/NDF: 953253.7/61

- 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: -956.020+/-1152.756 χ^2/NDF:16.0/13

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

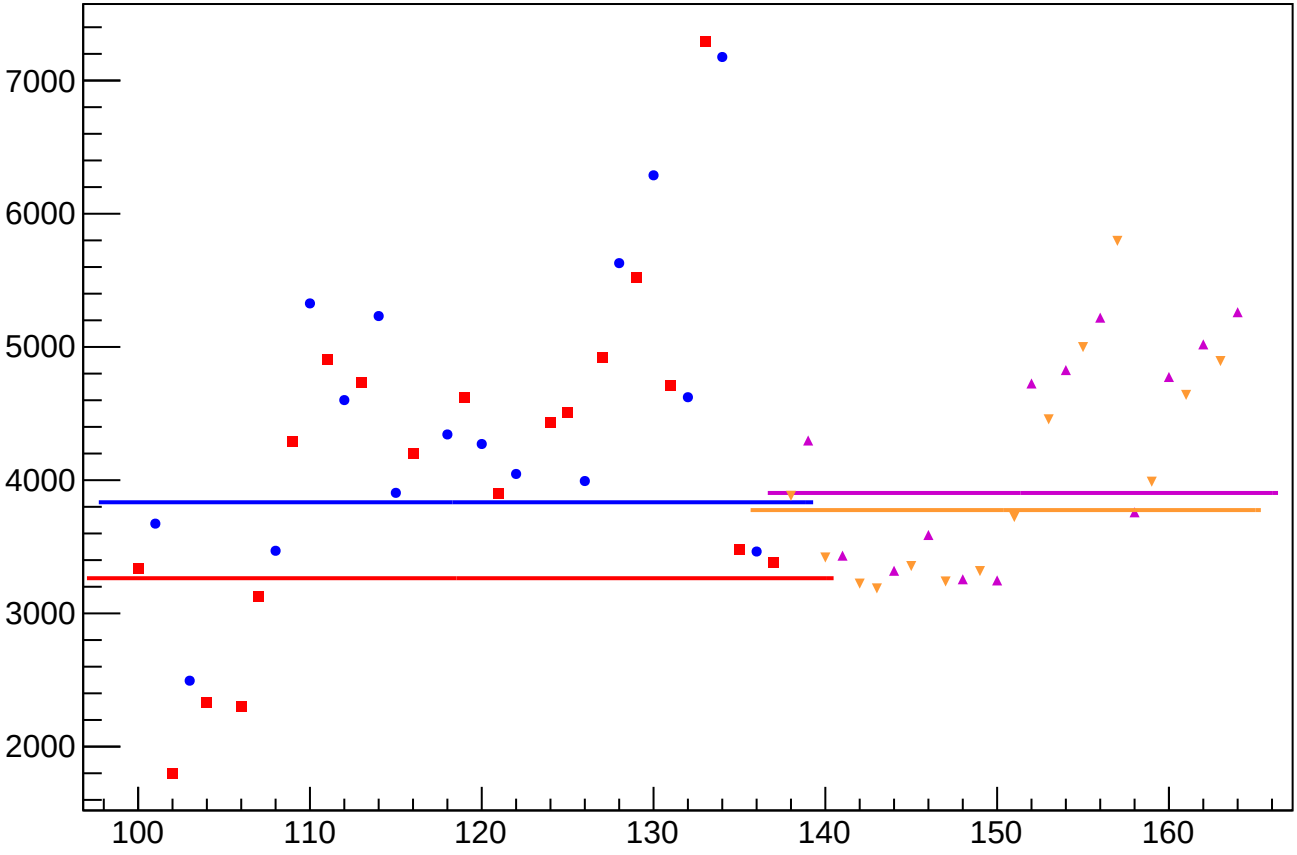
Left In: 954.551+/-1201.934 χ^2/NDF:10.2/12

+ sign -174.399+/-909.270 χ^2/NDF: 30.6/29

All: -23.136+/-634.115 χ^2/NDF: 57.5/61

- 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: 3775.489+/-0.815 χ^2/NDF:683818.6/13

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

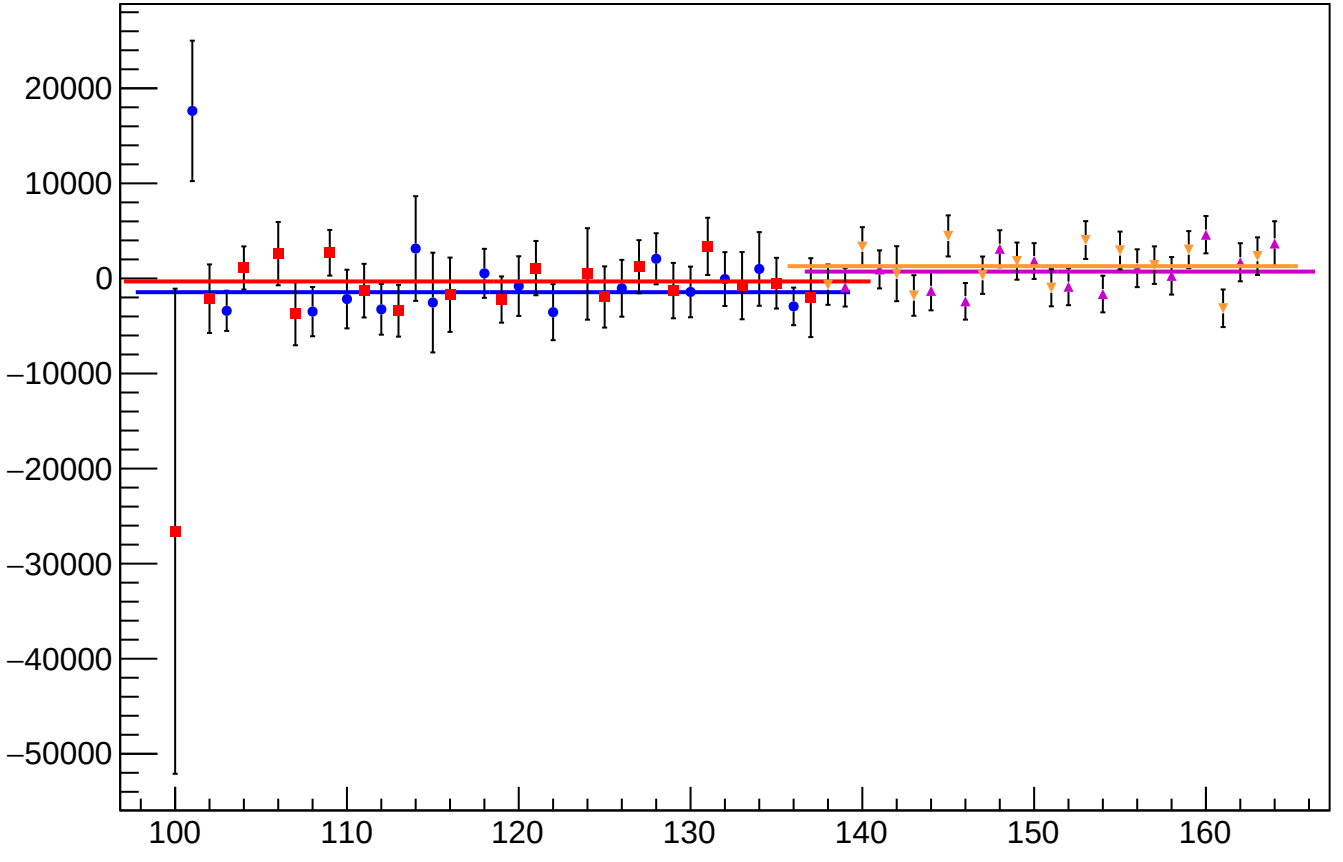
Left In: 3904.033+/-0.850 χ^2/NDF:691094.5/12

+ sign 3797.658+/-0.643 χ^2/NDF: 1642551.9/29

All: 3701.718+/-0.448 χ^2/NDF: 4500950.6/61

- sign 3610.877+/-0.626 χ^2/NDF: 2815049.9/31

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

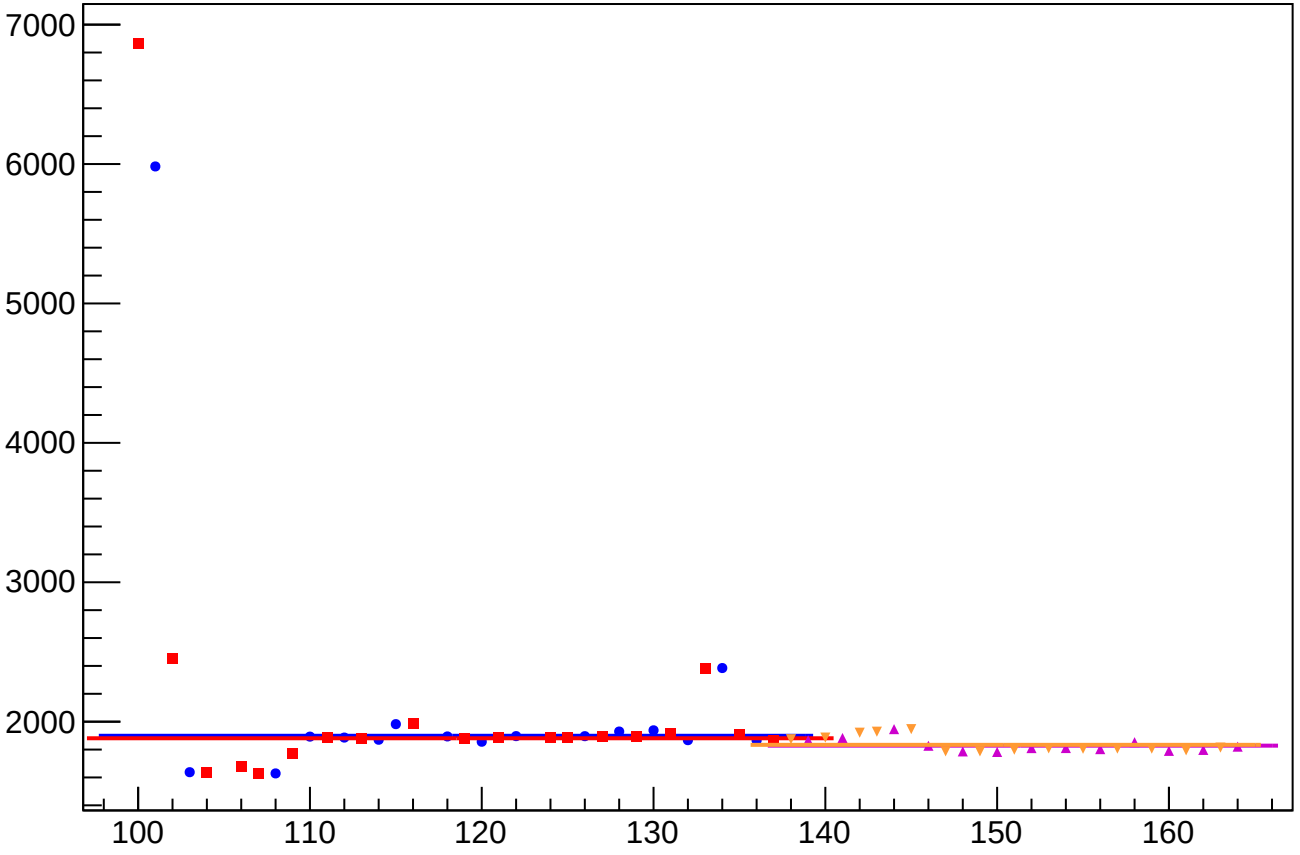
Left In: 718.483+/-552.071 χ^2/NDF:14.2/12

+ sign 292.210+/-436.662 χ^2/NDF: 39.1/29

All: 308.436+/-307.939 χ^2/NDF: 64.5/61

- 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: 1833.866+/-0.387 χ^2/NDF:18598.6/13

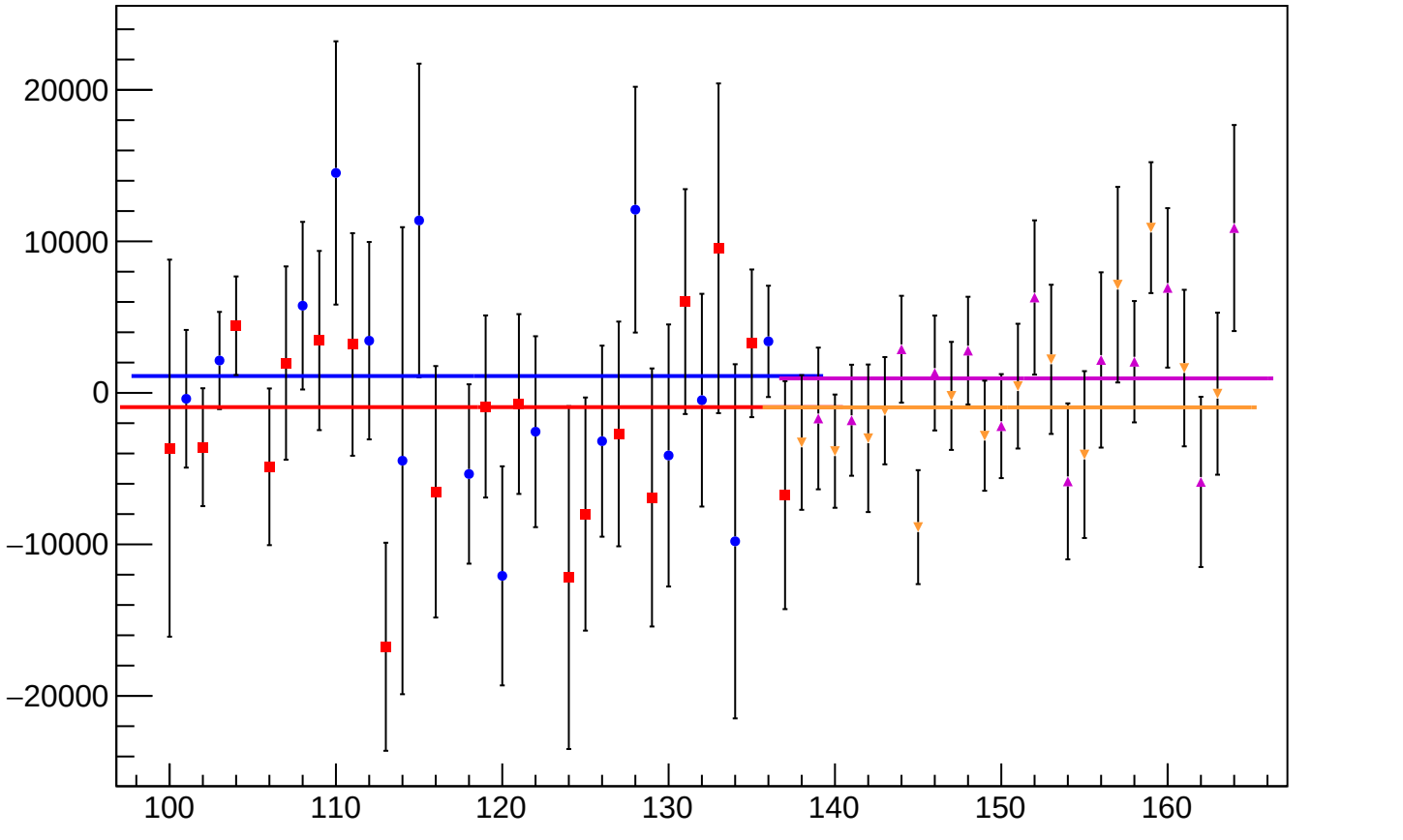
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.2/29

All: 1852.893+/-0.218 χ^2/NDF: 963537.1/61

- 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: -955.963+/-1152.755 χ^2/NDF:16.0/13

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

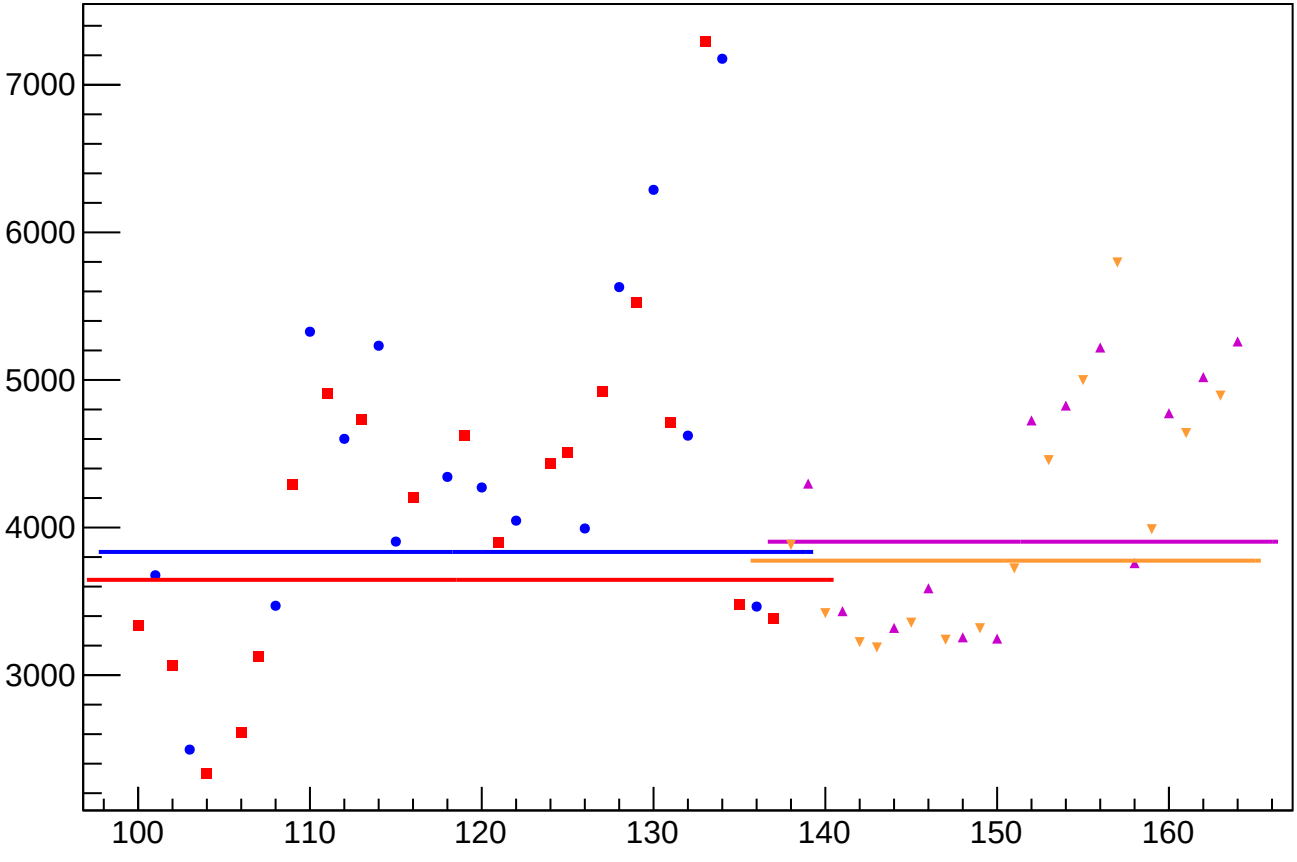
Left In: 954.639+/-1201.933 χ^2/NDF:10.2/12

+ sign -174.921+/-909.309 χ^2/NDF: 30.6/29

All: -13.009+/-643.813 χ^2/NDF: 58.1/61

- 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: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

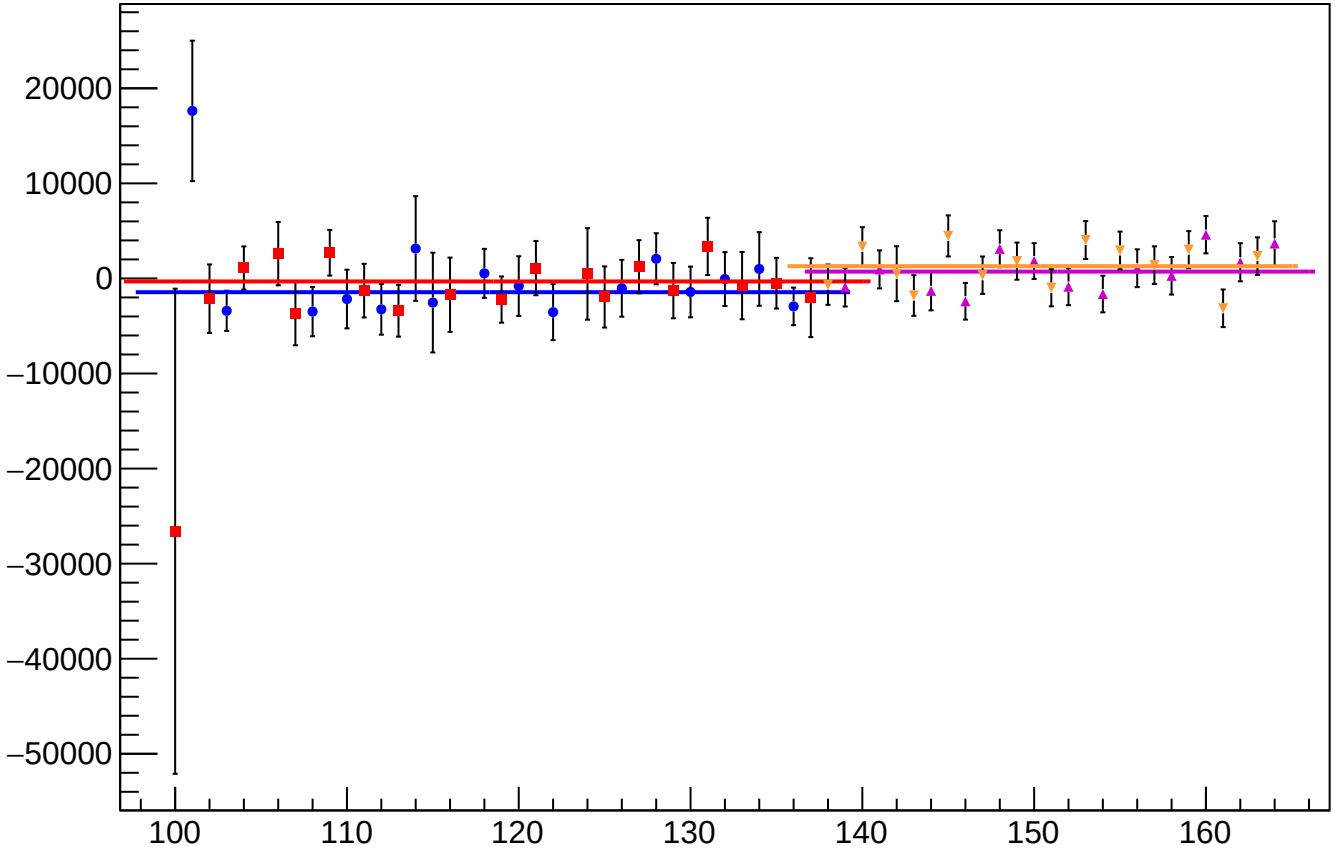
Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

+ sign 3797.851+/-0.643 χ^2/NDF: 1642118.2/29

All: 3796.090+/-0.455 χ^2/NDF: 3497459.9/61

- 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: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

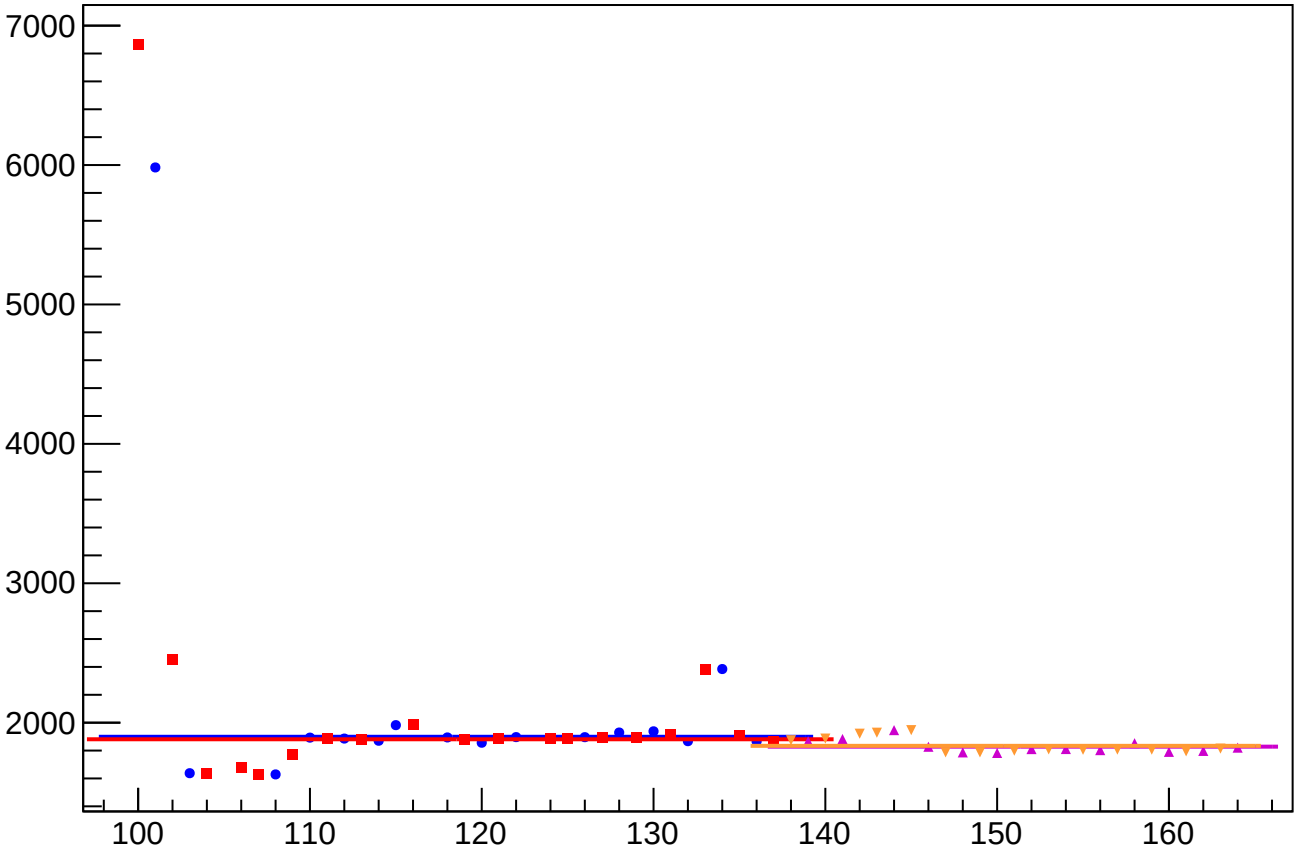
Left In: 718.483+/-552.071 χ^2/NDF:14.2/12

+ sign 292.210+/-436.662 χ^2/NDF: 39.1/29

All: 308.436+/-307.939 χ^2/NDF: 64.5/61

- 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: 1833.866+/-0.387 χ^2/NDF:18598.6/13

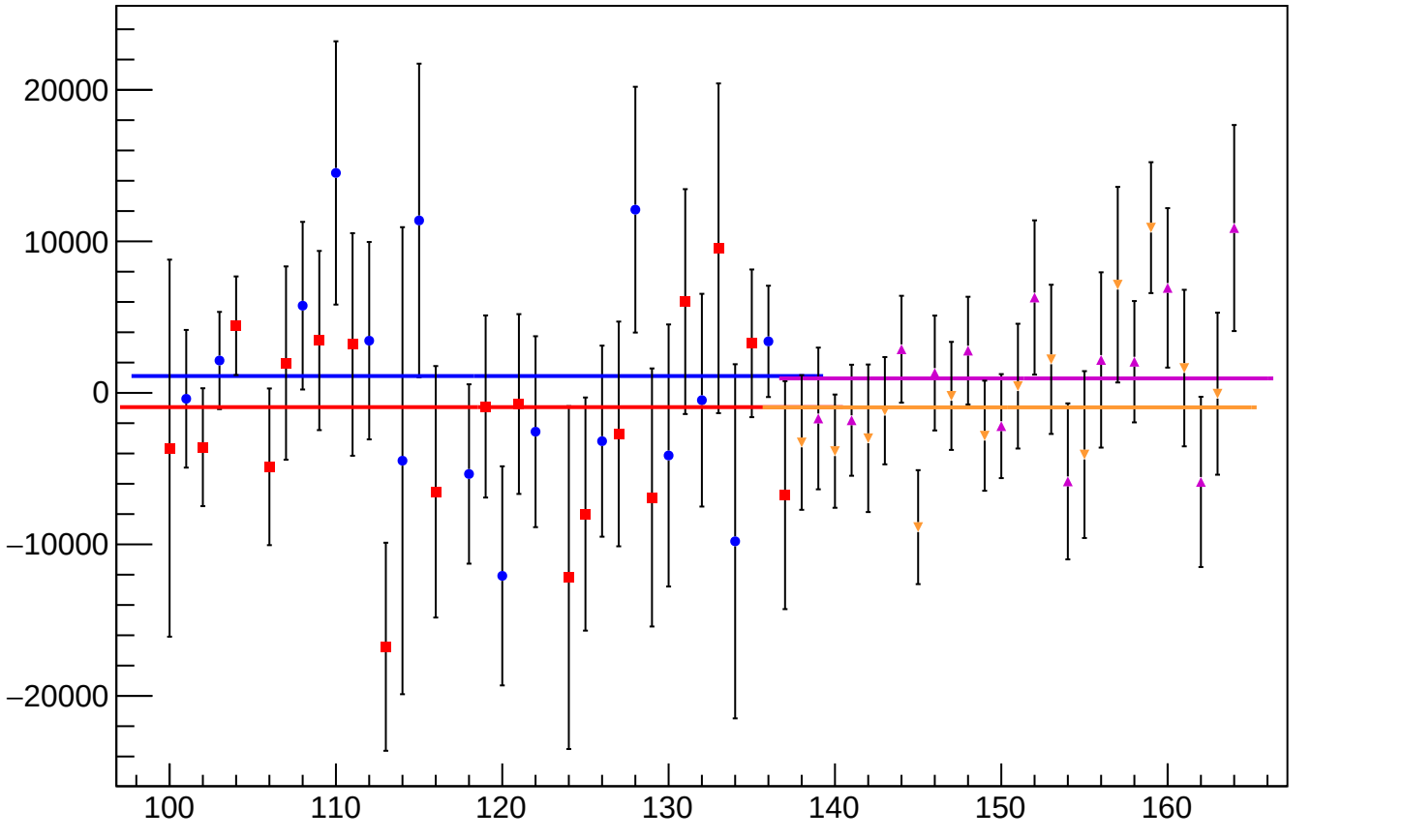
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.2/29

All: 1852.893+/-0.218 χ^2/NDF: 963537.1/61

- 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: -955.963+/-1152.755 χ^2/NDF:16.0/13

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

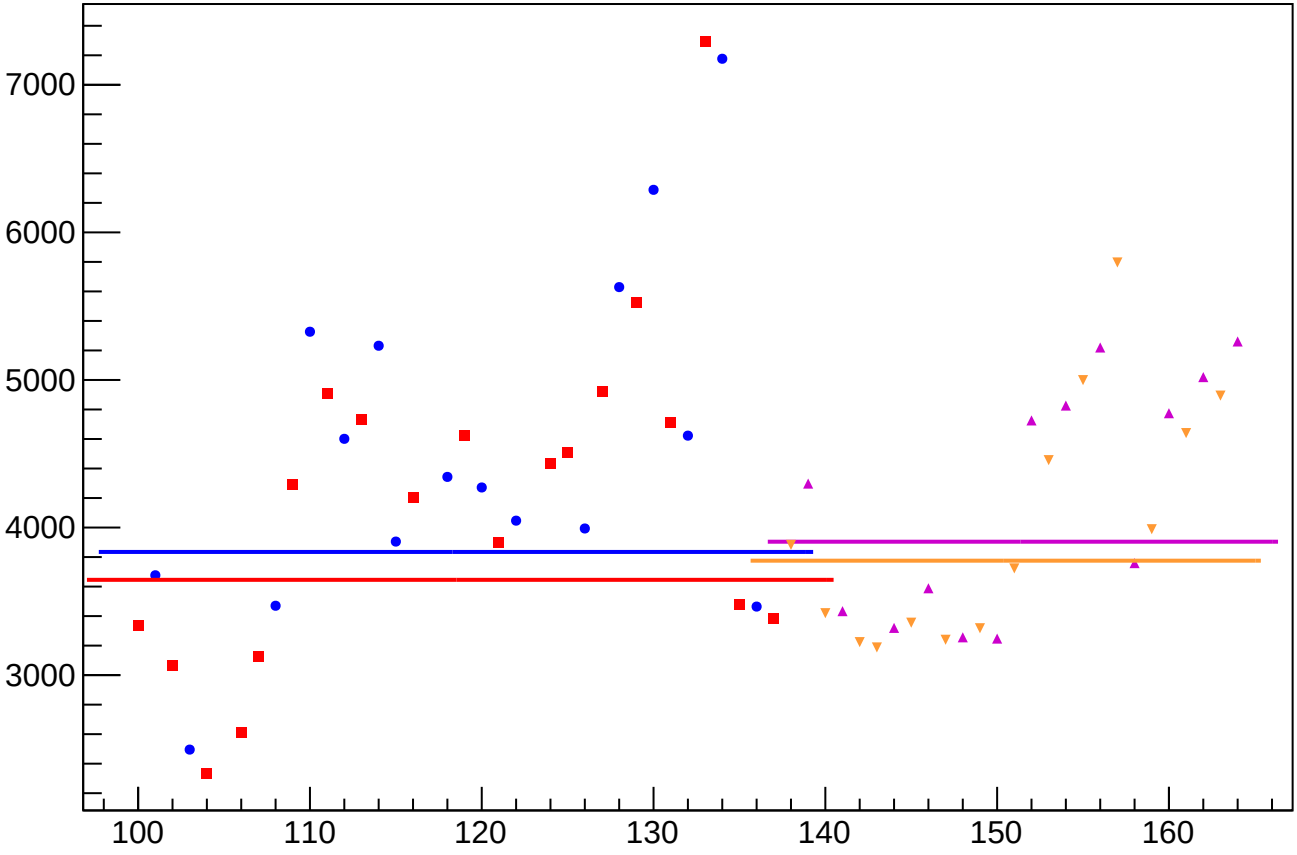
Left In: 954.639+/-1201.933 χ^2/NDF:10.2/12

+ sign -174.921+/-909.309 χ^2/NDF: 30.6/29

All: -13.009+/-643.813 χ^2/NDF: 58.1/61

- sign 149.746+/-911.674 χ^2/NDF: 27.4/31

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

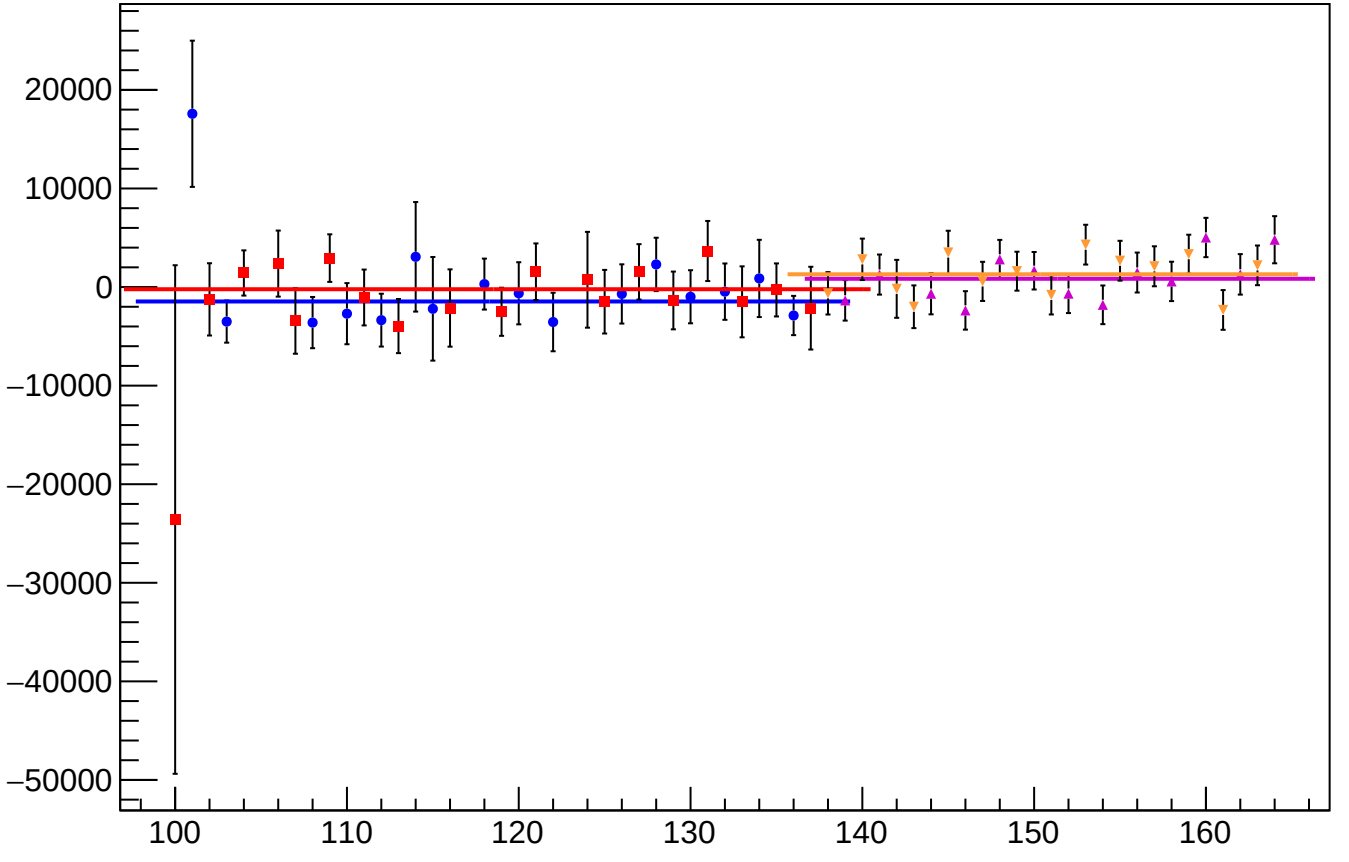
Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

+ sign 3797.851+/-0.643 χ^2/NDF: 1642118.2/29

All: 3796.090+/-0.455 χ^2/NDF: 3497459.9/61

- 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: 1295.623+/-557.031 χ^2/NDF:13.5/13

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

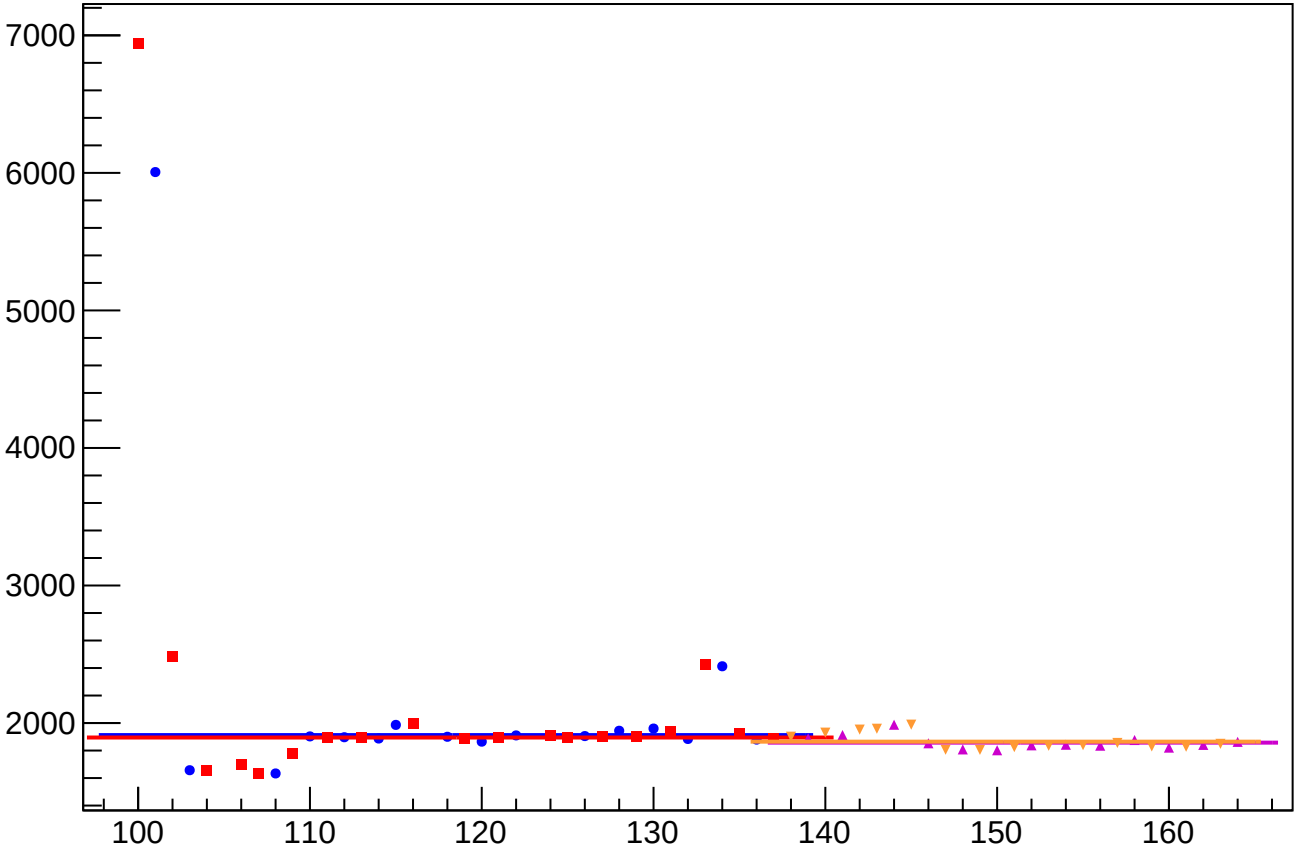
Left In: 838.600+/-560.972 χ^2/NDF:15.3/12

+ sign 277.570+/-442.448 χ^2/NDF: 36.1/29

All: 354.749+/-311.949 χ^2/NDF: 63.6/61

- 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: 1864.604+/-0.394 χ^2/NDF:20906.1/13

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

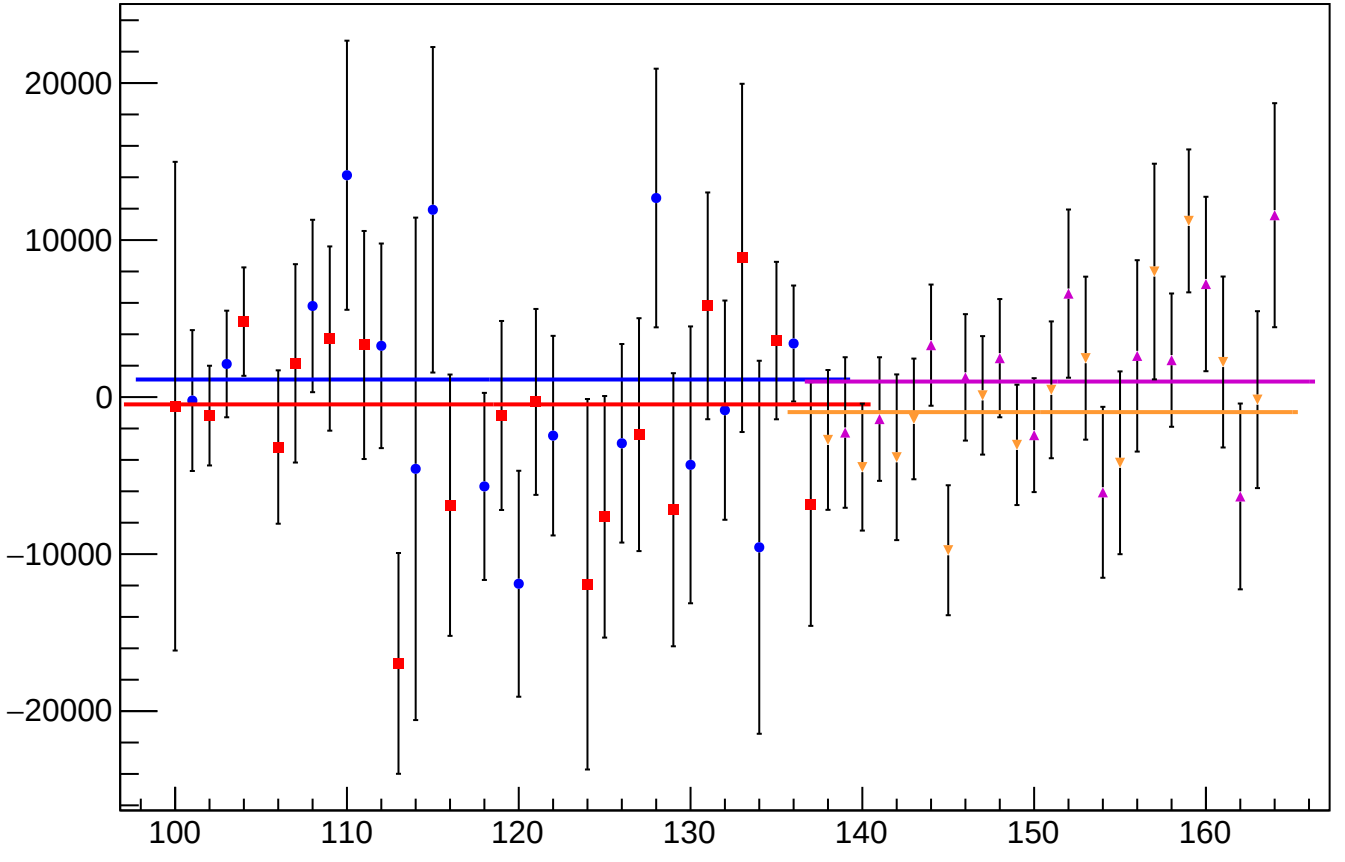
Left In: 1857.479+/-0.397 χ^2/NDF:14162.7/12

+ sign 1882.237+/-0.313 χ^2/NDF: 722556.2/29

All: 1877.015+/-0.221 χ^2/NDF: 960461.3/61

- 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: -956.349+/-1225.326 χ^2/NDF:16.2/13

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

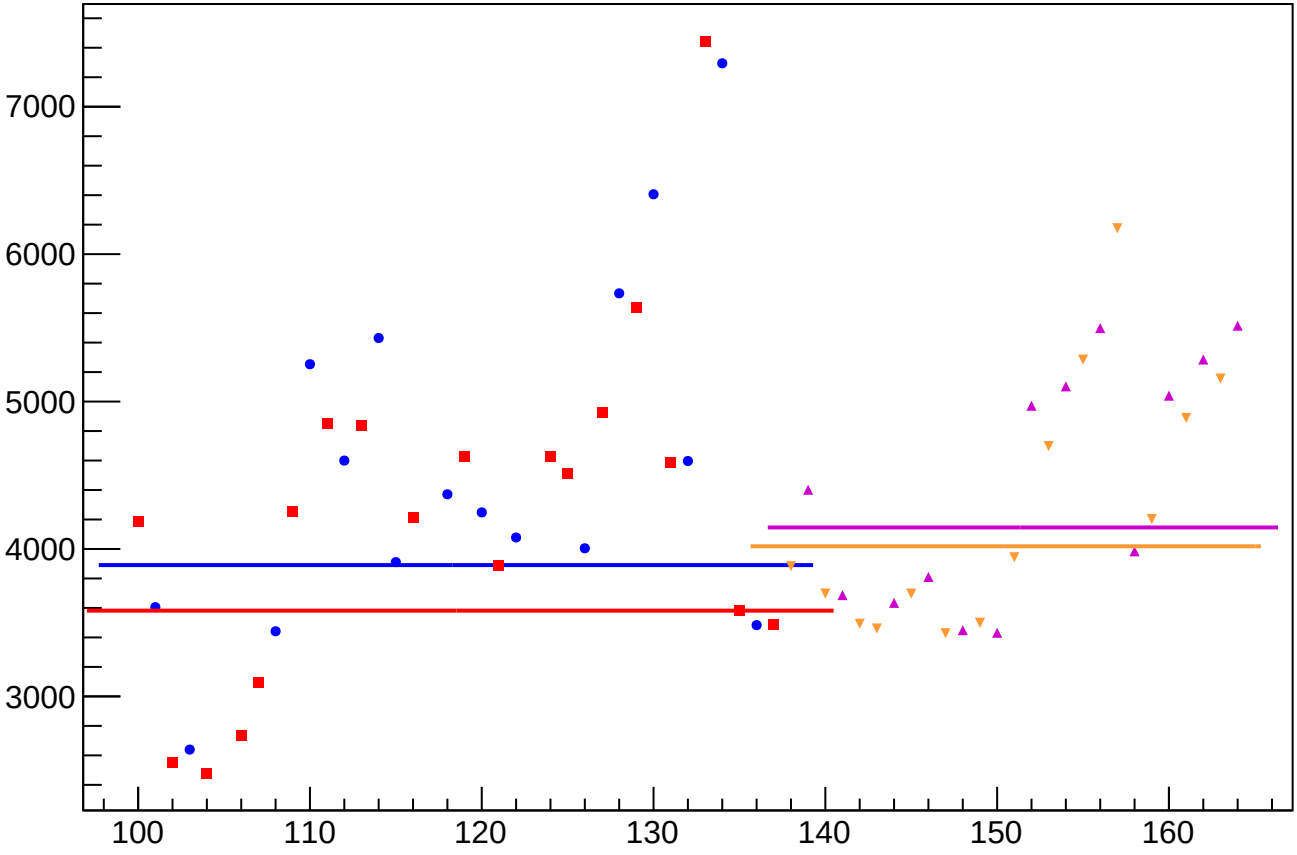
Left In: 989.527+/-1275.019 χ^2/NDF:10.2/12

+ sign -123.718+/-948.363 χ^2/NDF: 30.8/29

All: 99.158+/-665.315 χ^2/NDF: 56.7/61

- 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: 4018.195+/-0.866 χ^2/NDF:636764.6/13

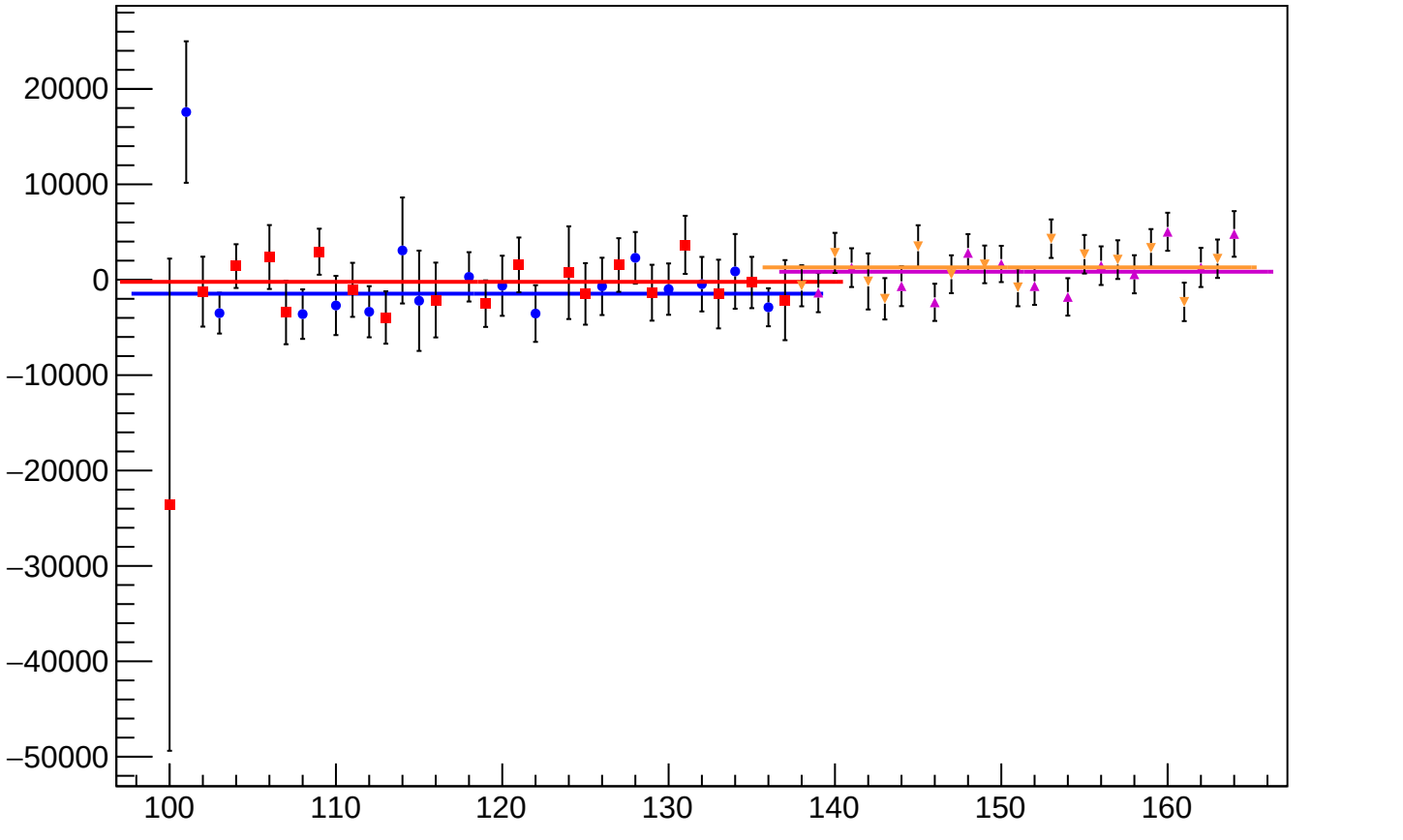
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4146.028+/-0.902 χ^2/NDF:638258.6/12

+ sign 3967.076+/-0.671 χ^2/NDF: 1523863.8/29

All: 3925.043+/-0.470 χ^2/NDF: 3573392.8/61

- sign 3884.307+/-0.660 χ^2/NDF: 2041792.6/31



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.634+/-557.031 χ^2/NDF:13.5/13

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

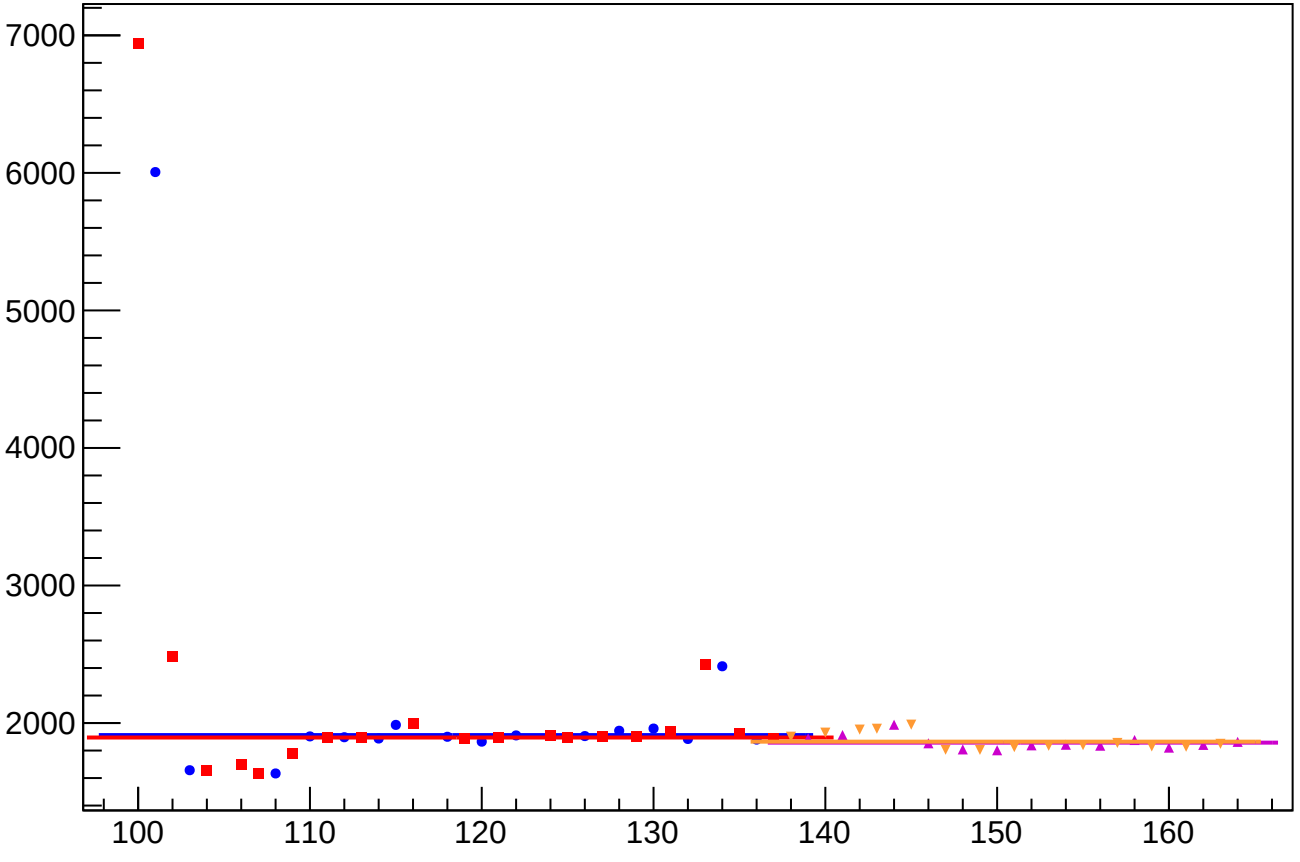
Left In: 838.601+/-560.972 χ^2/NDF:15.3/12

\+ sign 277.574+/-442.448 χ^2/NDF: 36.1/29

All: 354.752+/-311.949 χ^2/NDF: 63.6/61

\- 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: 1864.605+/-0.394 χ^2/NDF:20906.0/13

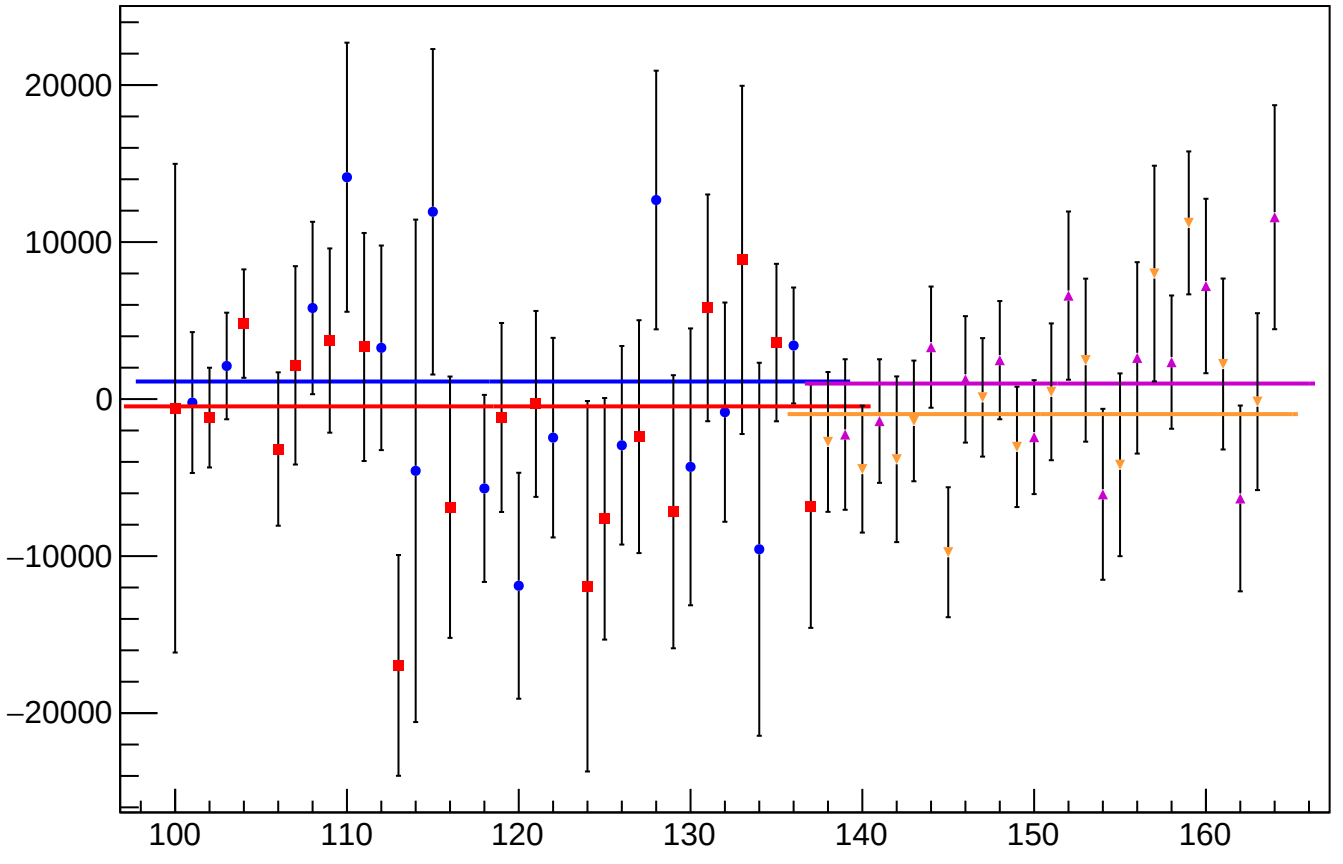
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.480+/-0.397 χ^2/NDF:14162.6/12

+ sign 1882.238+/-0.313 χ^2/NDF: 722555.8/29

All: 1877.015+/-0.221 χ^2/NDF: 960460.6/61

- 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: -956.347+/-1225.328 χ^2/NDF:16.2/13

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

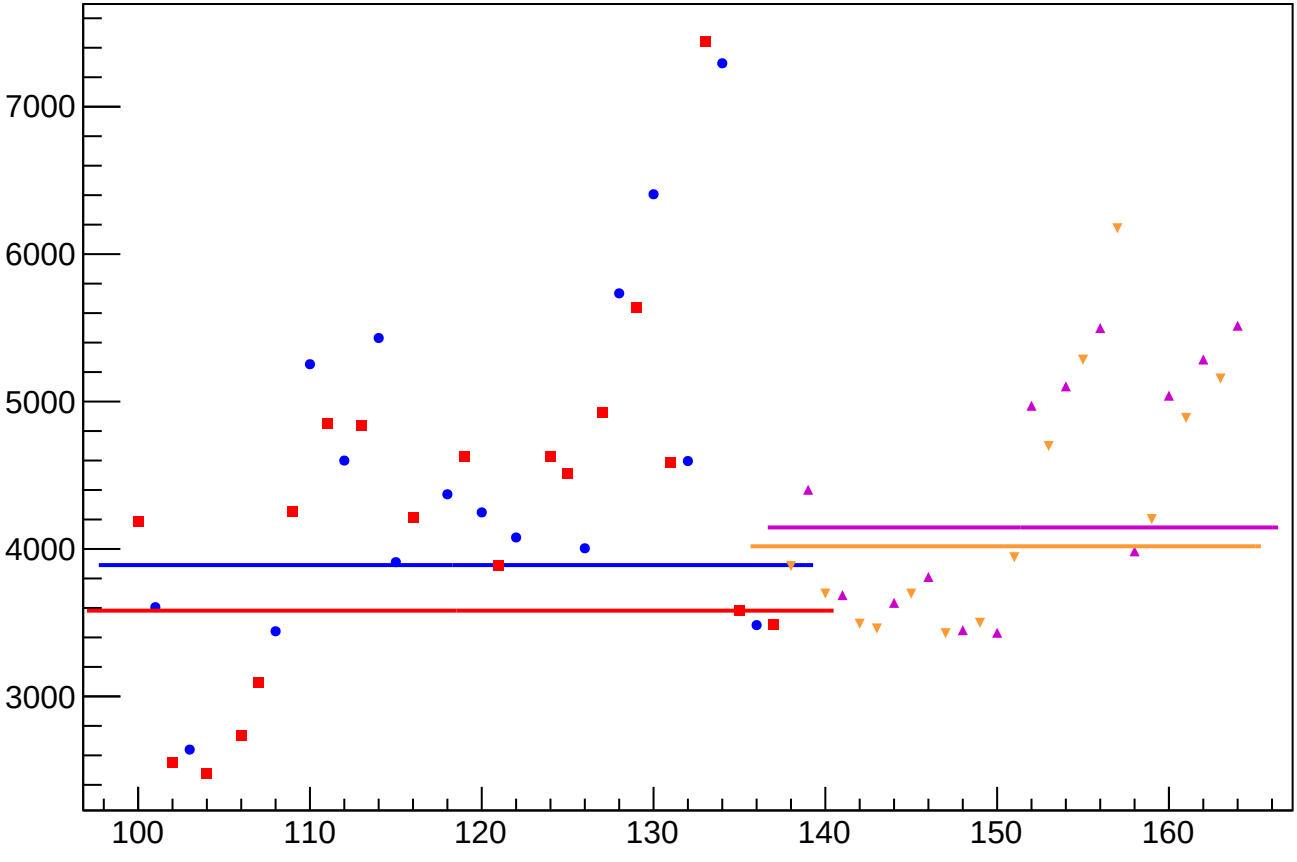
Left In: 989.525+/-1275.021 χ^2/NDF:10.2/12

+ sign -123.719+/-948.363 χ^2/NDF: 30.8/29

All: 99.156+/-665.316 χ^2/NDF: 56.7/61

- 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: 4018.201+/-0.866 χ^2/NDF:636765.2/13

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

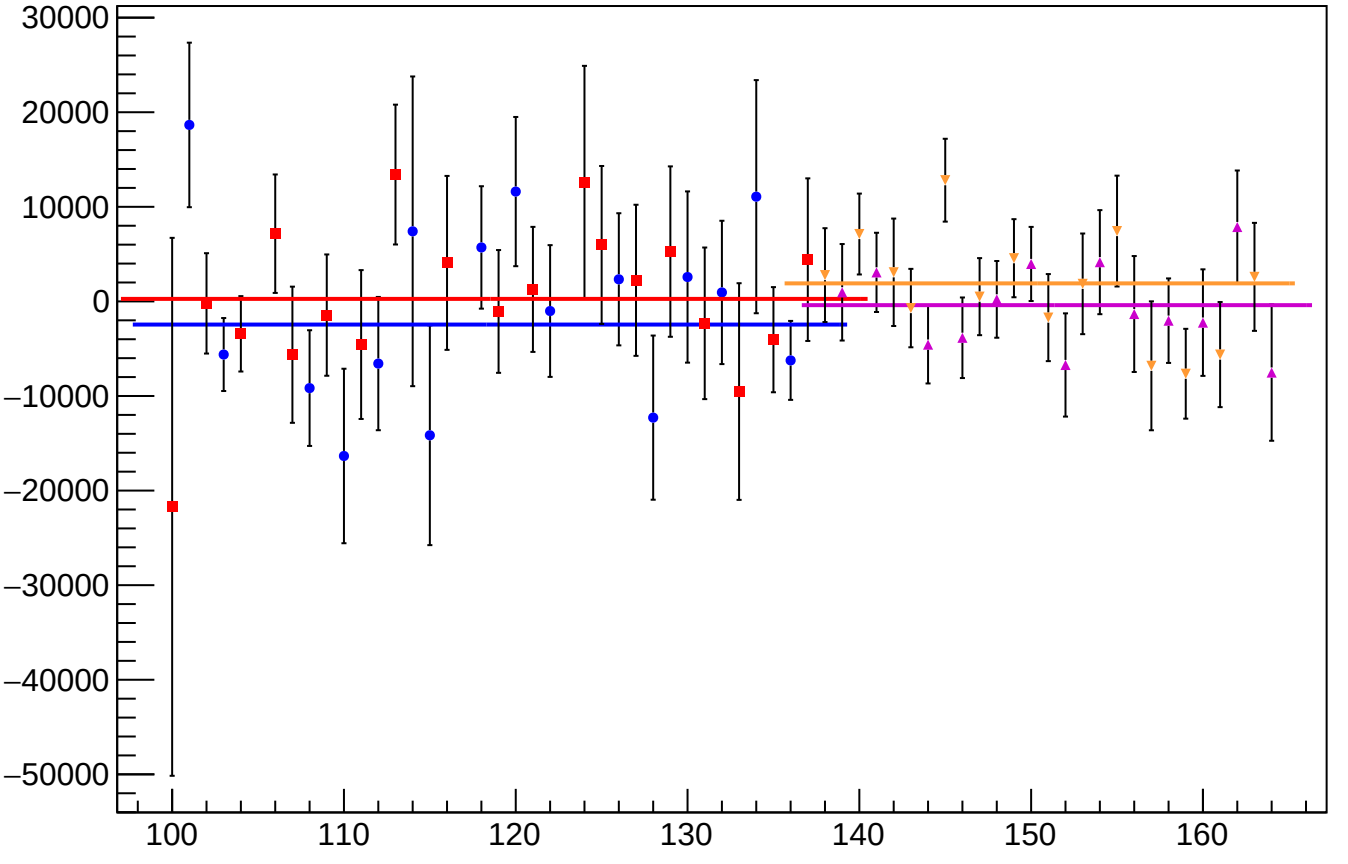
Left In: 4146.034+/-0.902 χ^2/NDF:638259.9/12

+ sign 3967.078+/-0.671 χ^2/NDF: 1523856.7/29

All: 3925.044+/-0.470 χ^2/NDF: 3573384.4/61

- 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: 1906.290+/-1295.053 χ^2/NDF:17.7/13

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

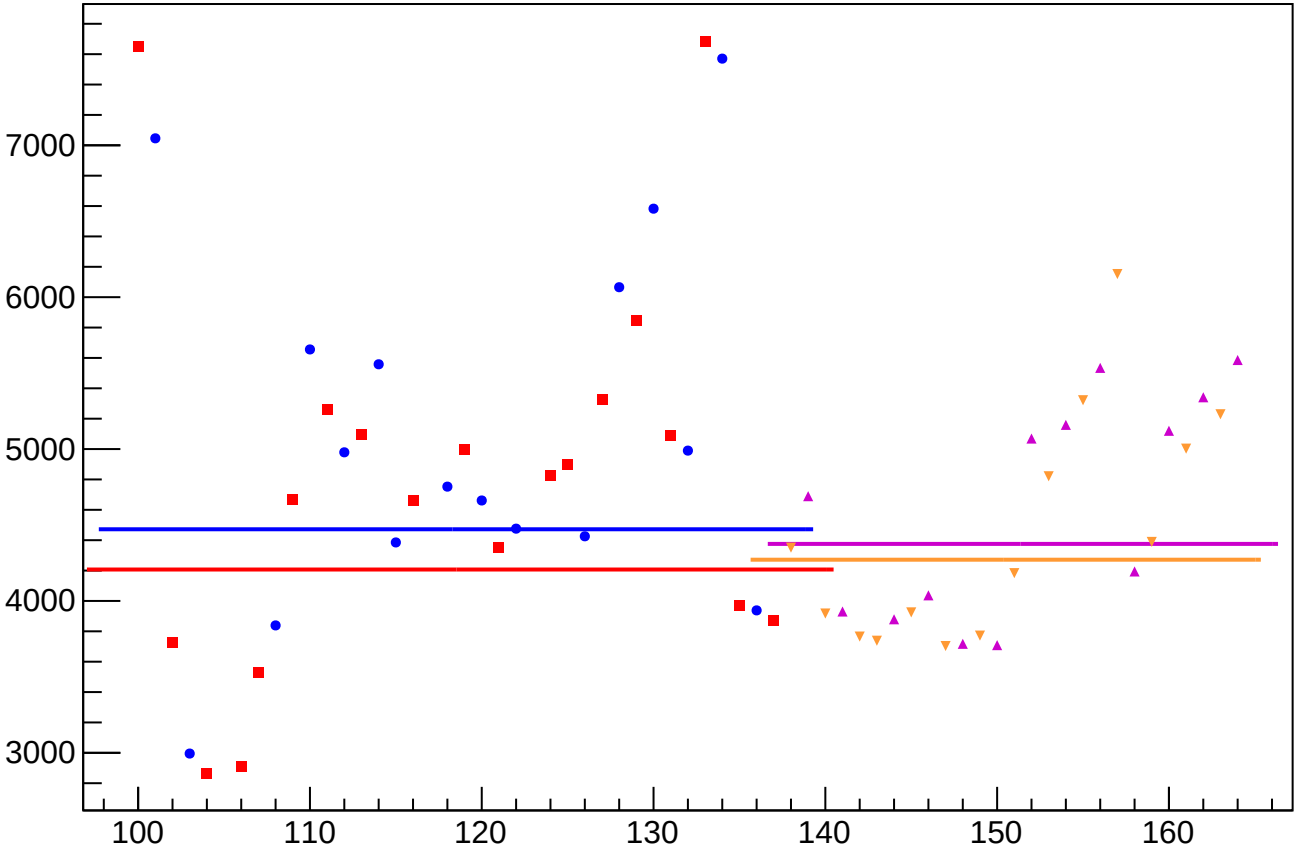
Left In: -396.136+/-1338.753 χ^2/NDF:8.9/12

+ sign 330.441+/-1034.515 χ^2/NDF: 42.7/29

All: 100.806+/-730.848 χ^2/NDF: 62.5/61

- 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: 4271.543+/-0.916 χ^2/NDF:474803.9/13

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

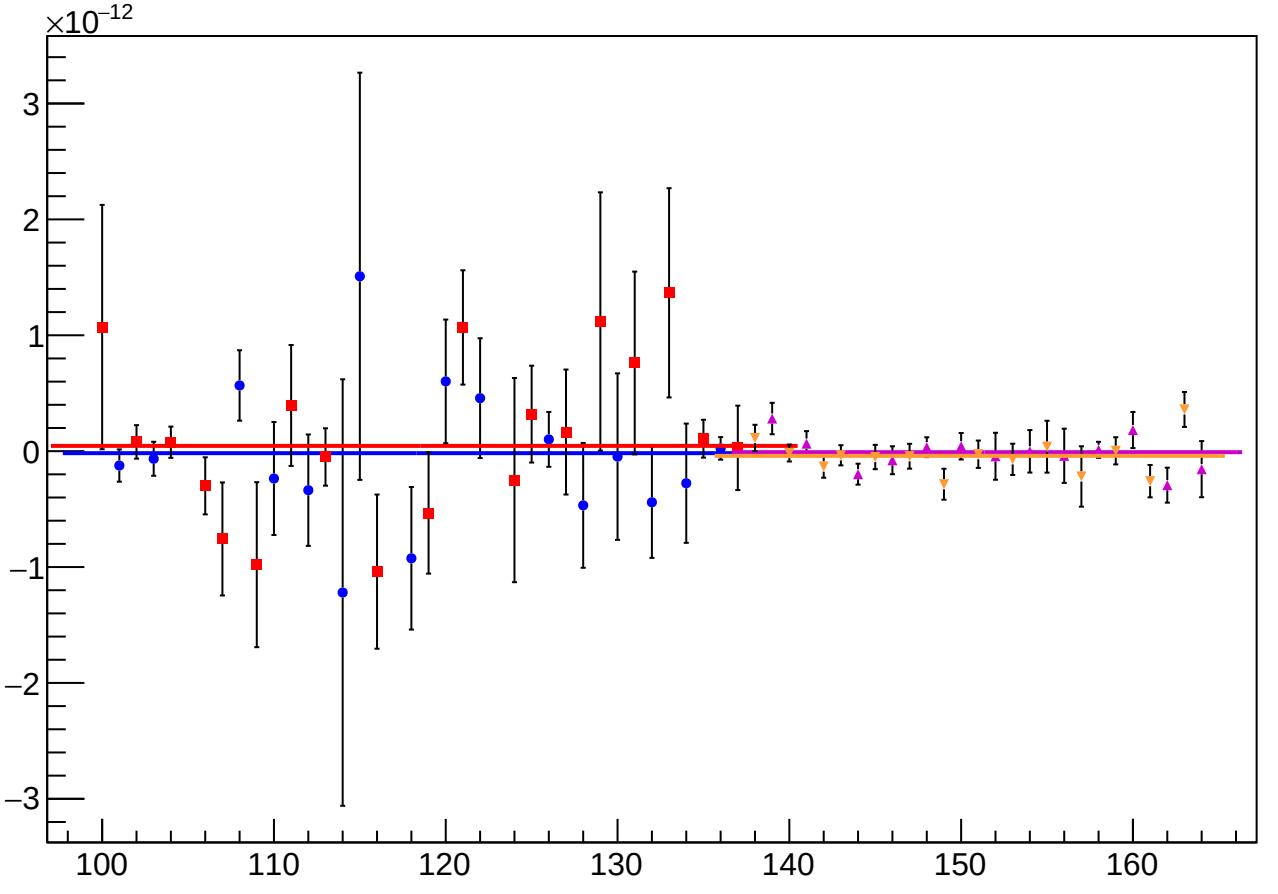
Left In: 4375.557+/-0.947 χ^2/NDF:473848.2/12

+ sign 4344.051+/-0.732 χ^2/NDF: 1383806.6/29

All: 4325.220+/-0.516 χ^2/NDF: 2718479.6/61

- 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:16.5/13

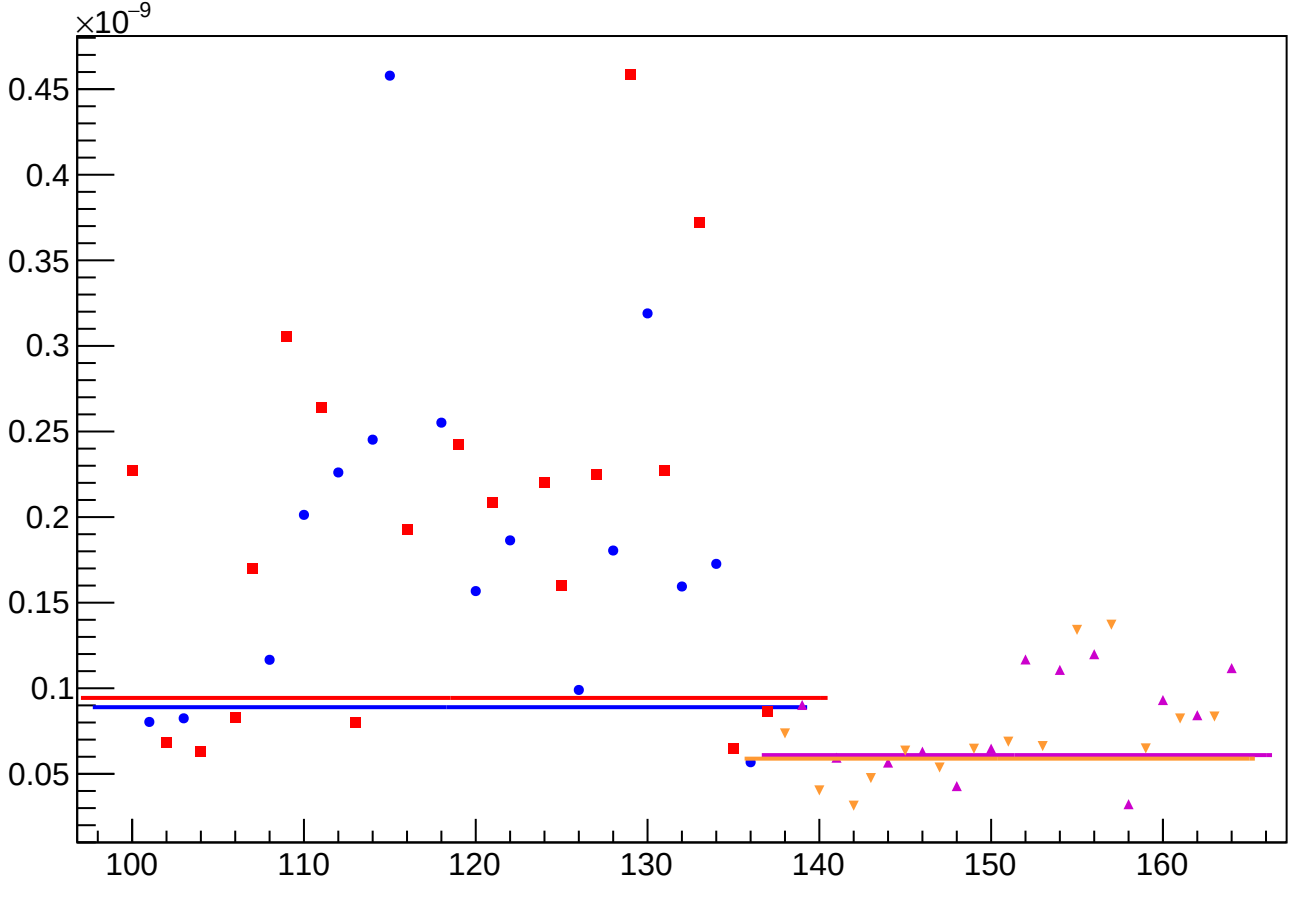
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/29

All: -0.000+/-0.000 χ^2/NDF: 67.8/61

- 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:912310.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

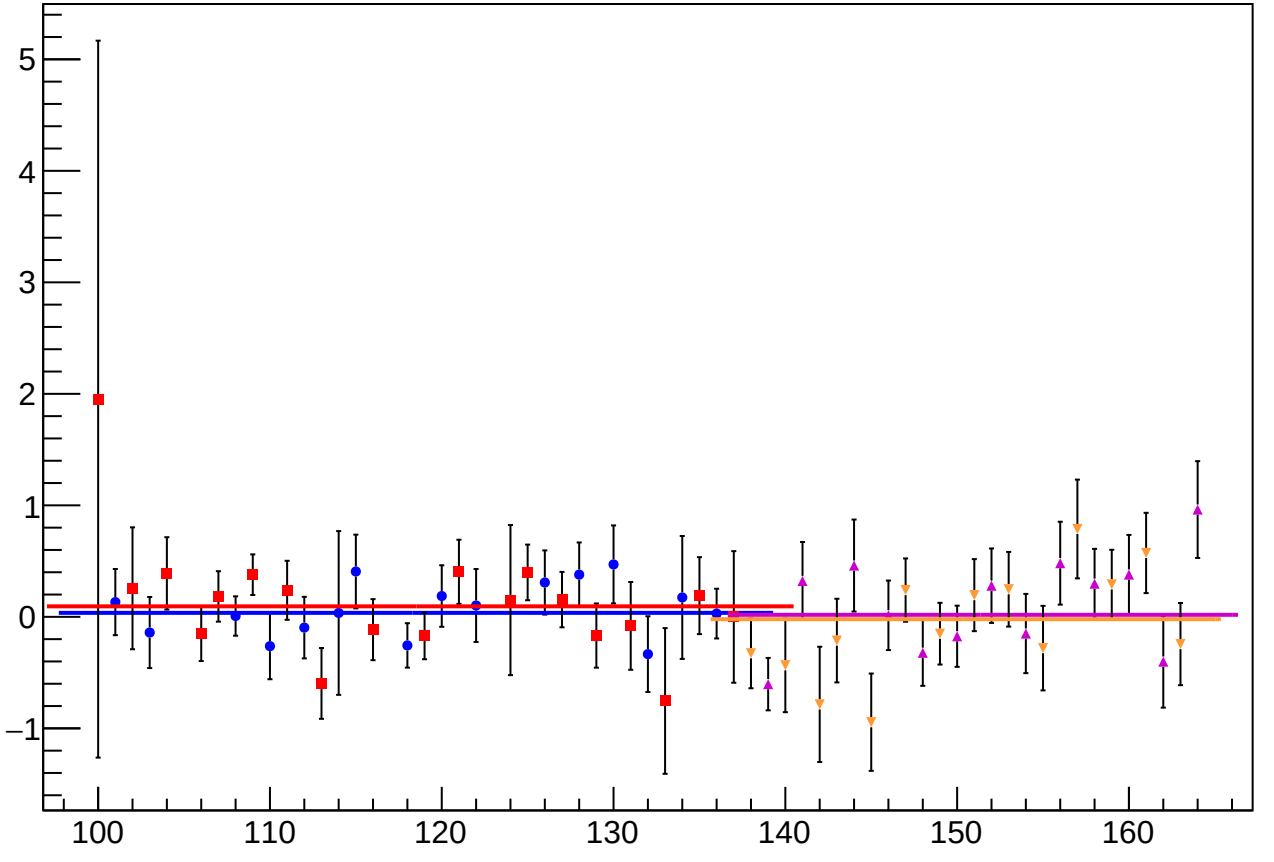
Left In: 0.000+/-0.000 χ^2/NDF:1183482.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 2525903.7/29

All: 0.000+/-0.000 χ^2/NDF: 5801998.4/61

- 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: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

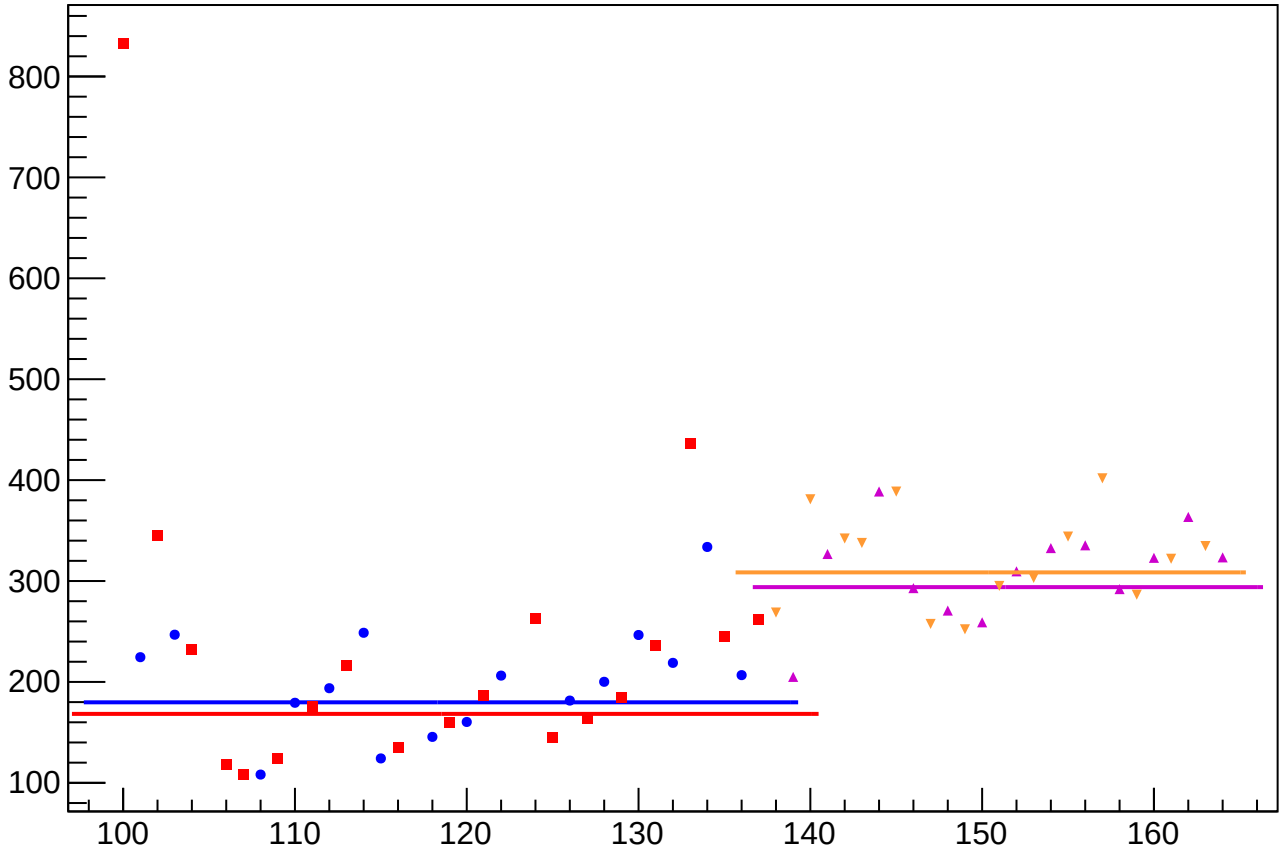
Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.042+/-0.039 χ^2/NDF: 68.9/61

- 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: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

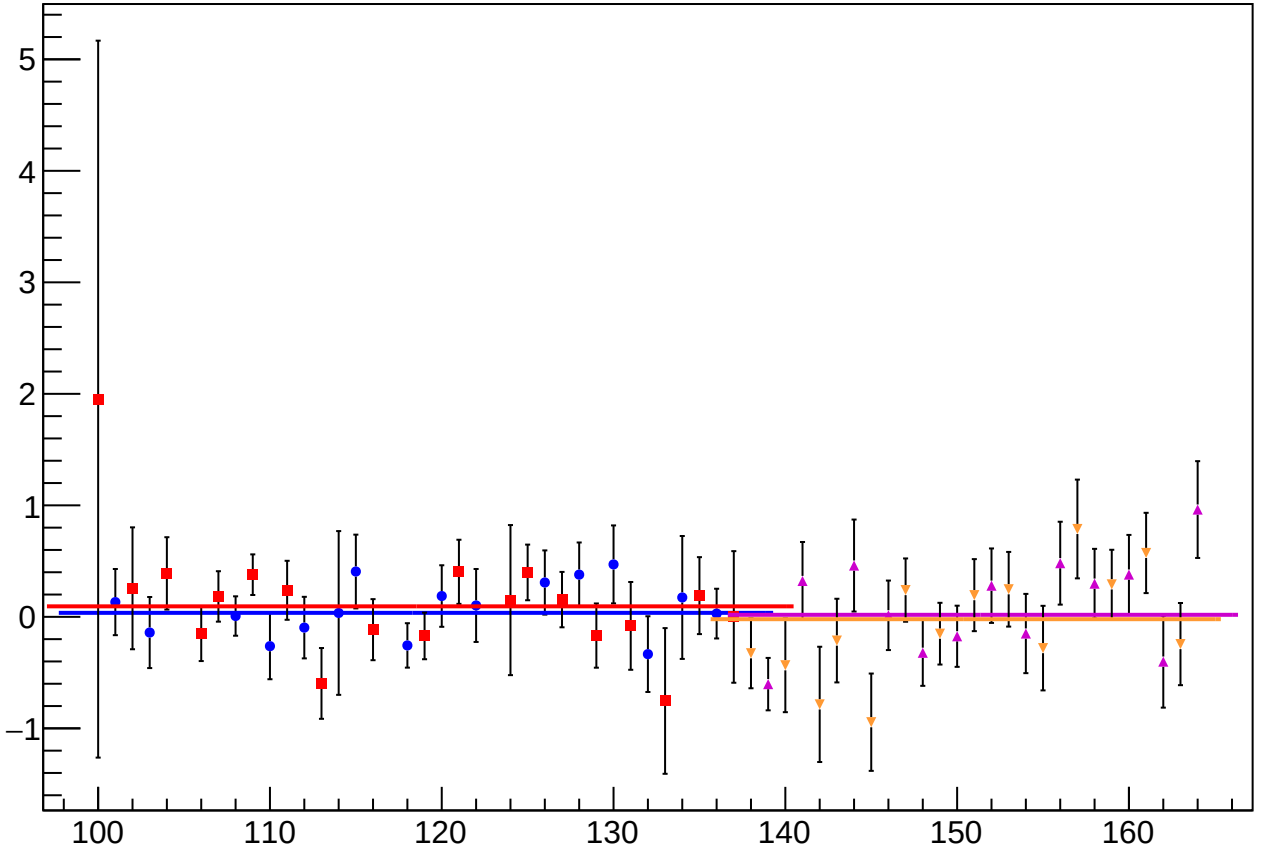
Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

+ sign 226.270+/-0.040 χ^2/NDF: 3781320.3/29

All: 219.378+/-0.028 χ^2/NDF: 8287797.1/61

- 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: -0.021+/-0.094 χ^2/NDF:18.9/13

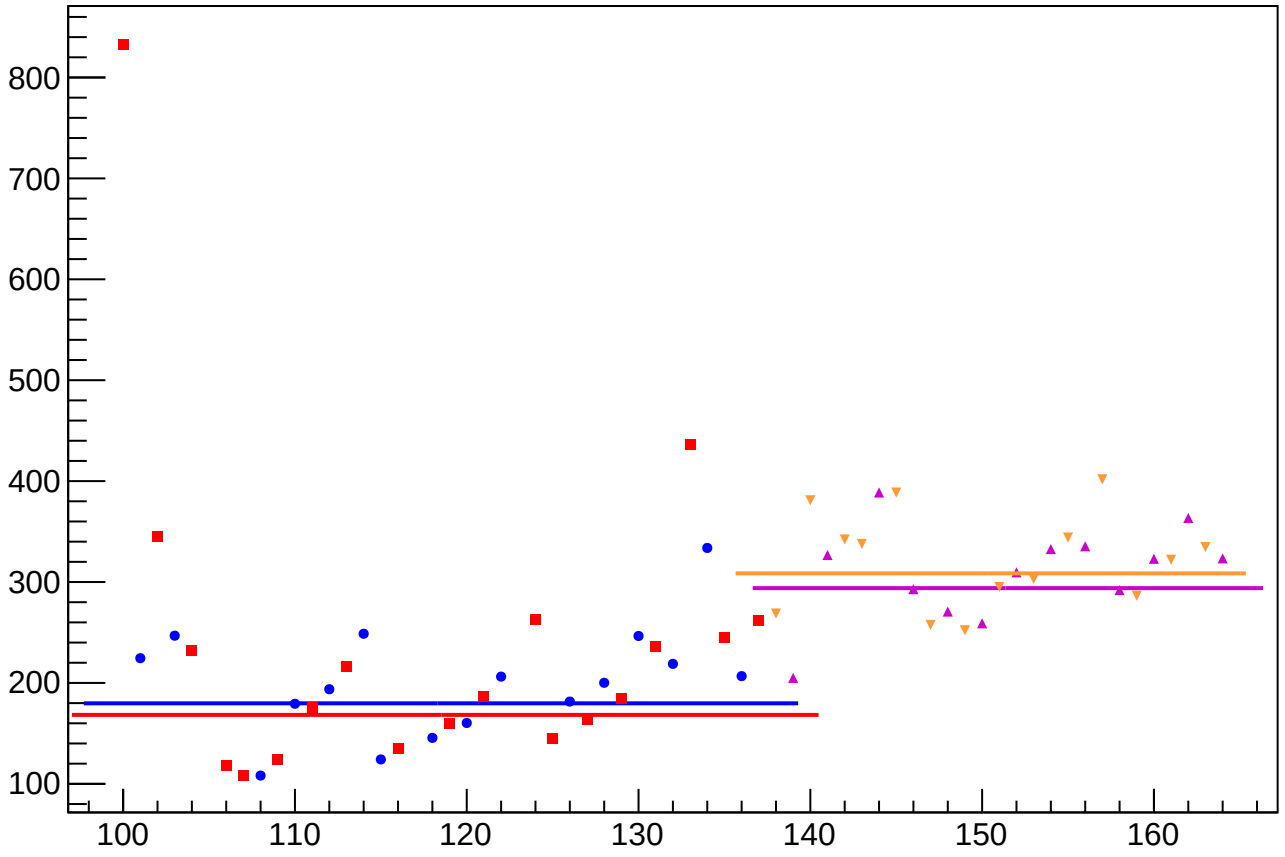
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.042+/-0.039 χ^2/NDF: 68.9/61

- sign 0.067+/-0.054 χ^2/NDF: 38.8/31



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

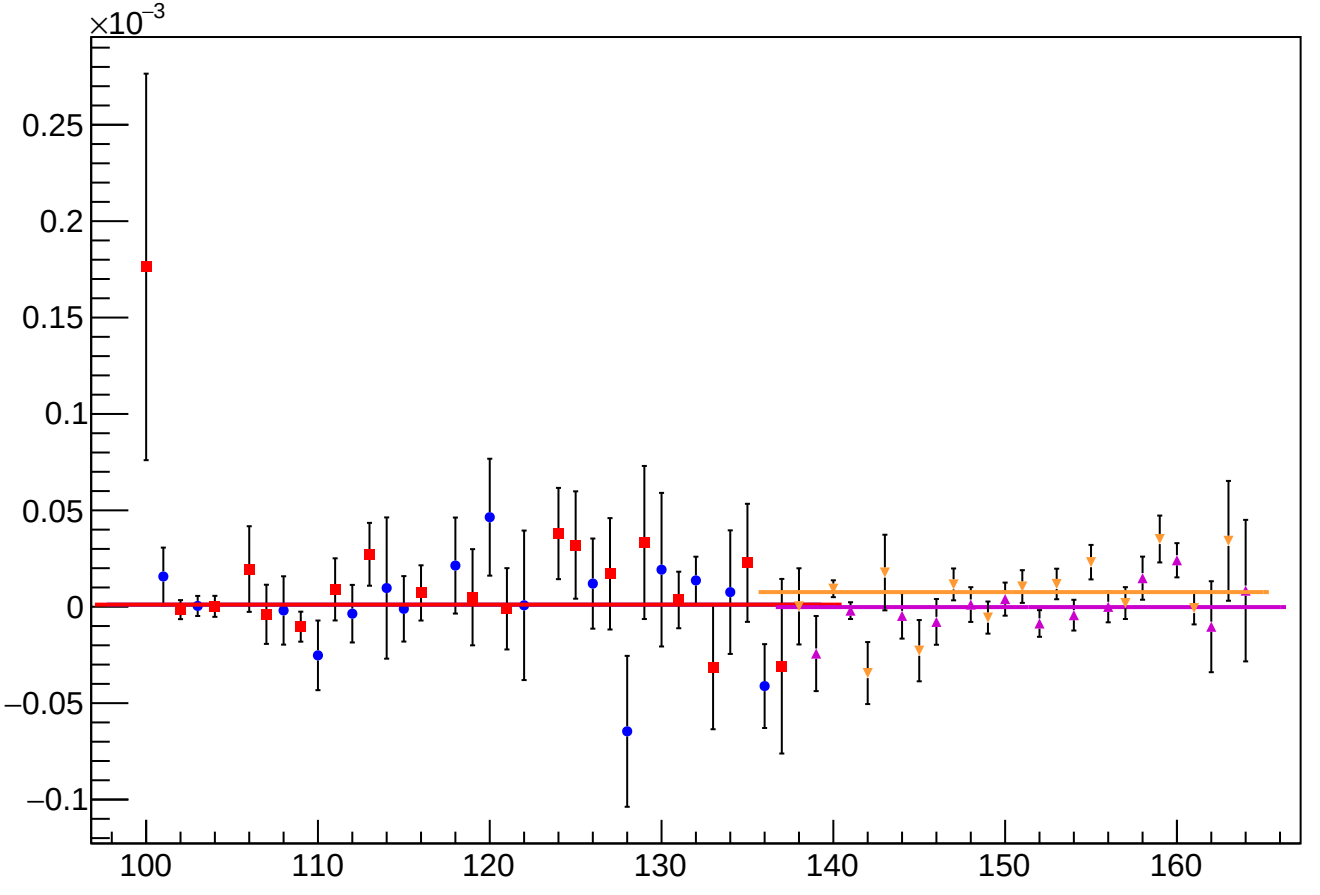
Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

+ sign 226.270+/-0.040 χ^2/NDF: 3781320.3/29

All: 219.378+/-0.028 χ^2/NDF: 8287797.1/61

- sign 212.996+/-0.038 χ^2/NDF: 4449012.6/31

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/13

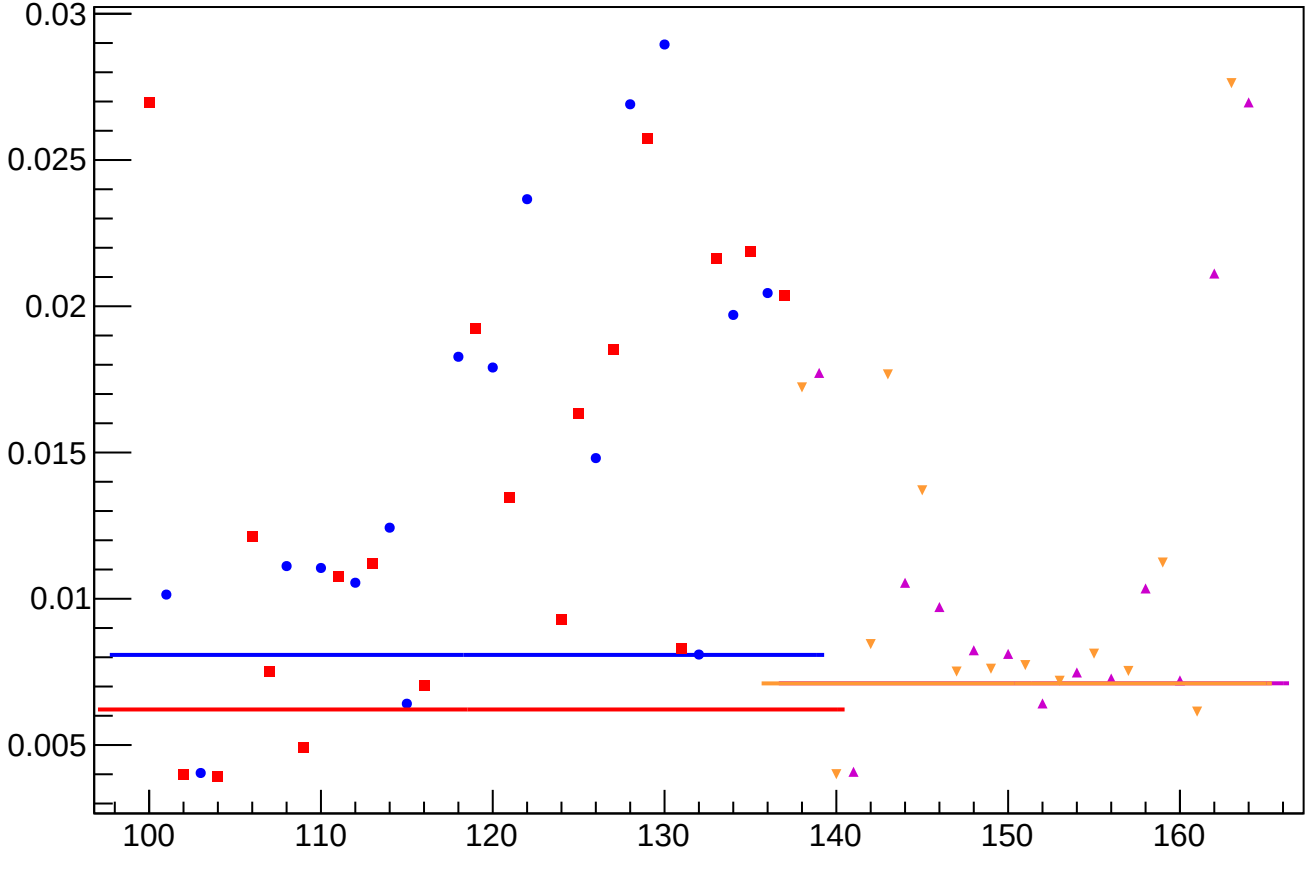
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/29

All: 0.000+/-0.000 χ^2/NDF: 74.7/61

- sign 0.000+/-0.000 χ^2/NDF: 30.0/31



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:3657329.9/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

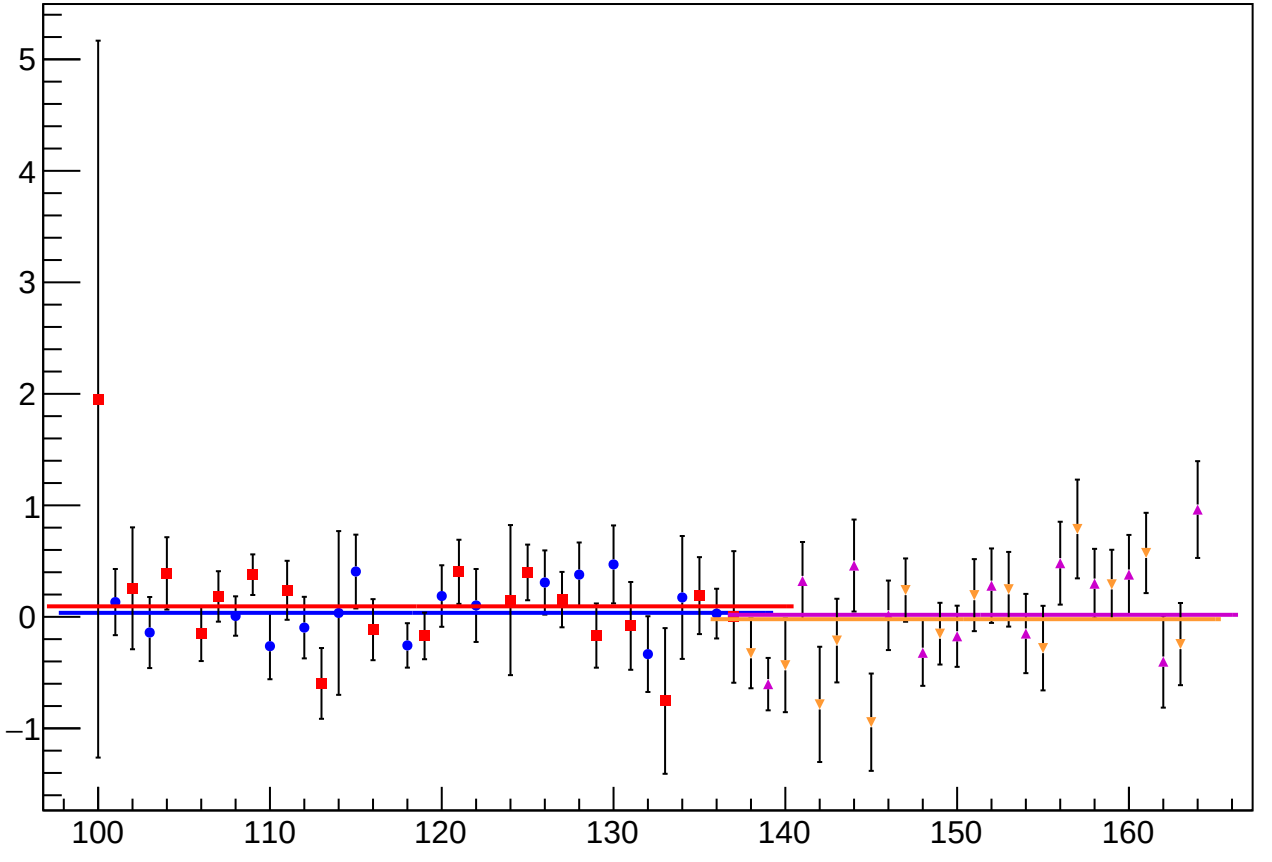
Left In: 0.007+/-0.000 χ^2/NDF:3369765.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 8167833.4/29

All: 0.007+/-0.000 χ^2/NDF: 16333492.8/61

- 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: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

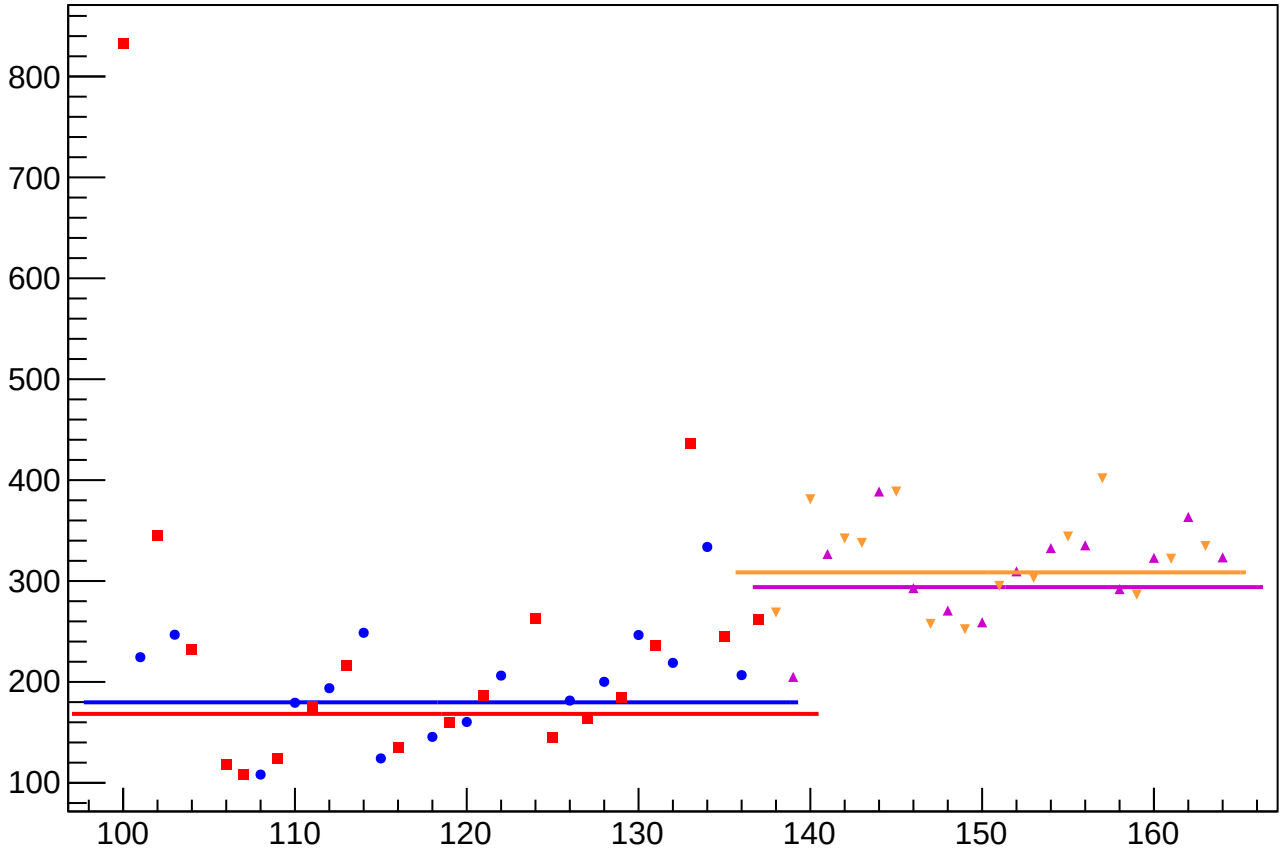
Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.042+/-0.039 χ^2/NDF: 68.9/61

- 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: 308.564+/-0.066 χ^2/NDF:460211.7/13

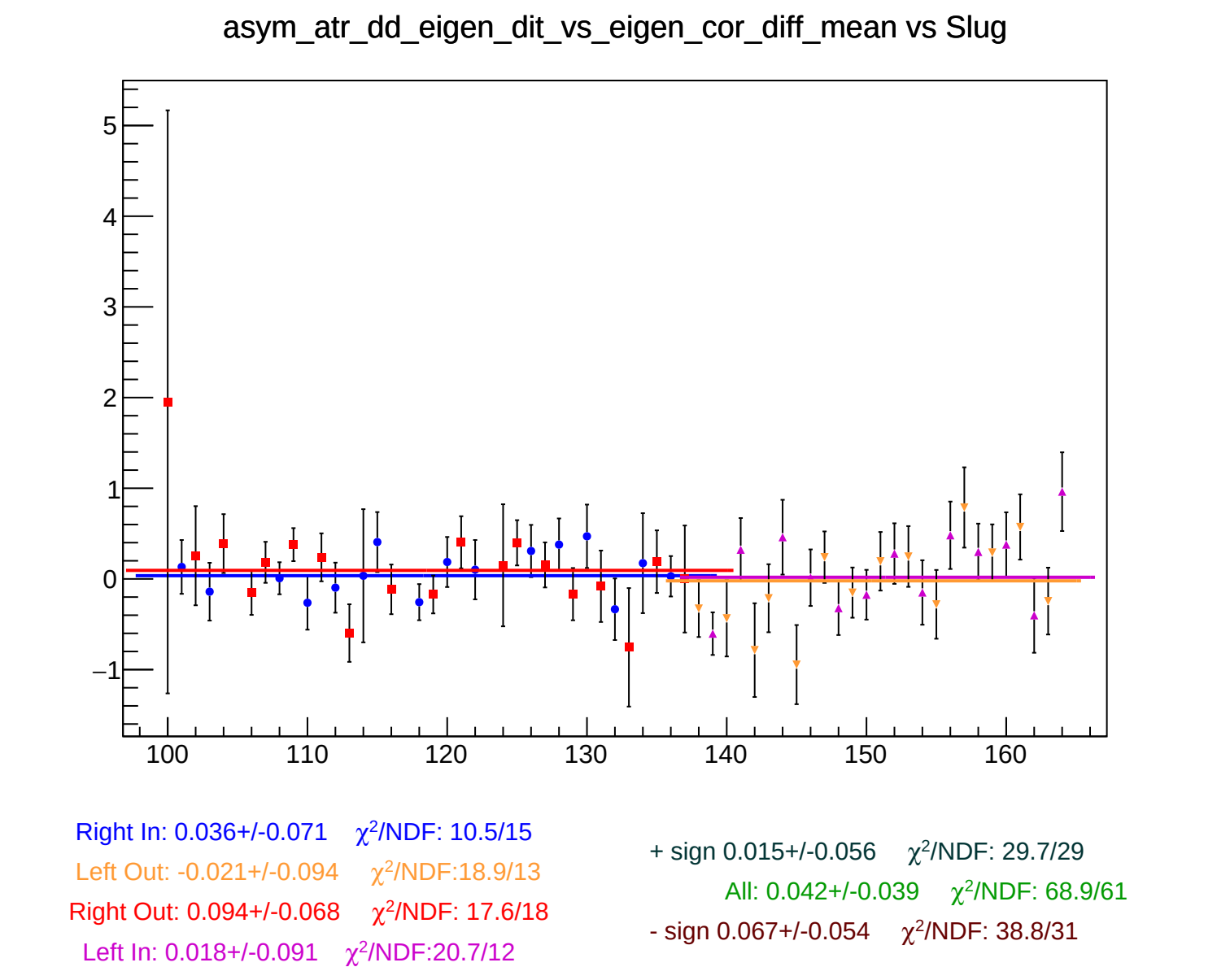
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

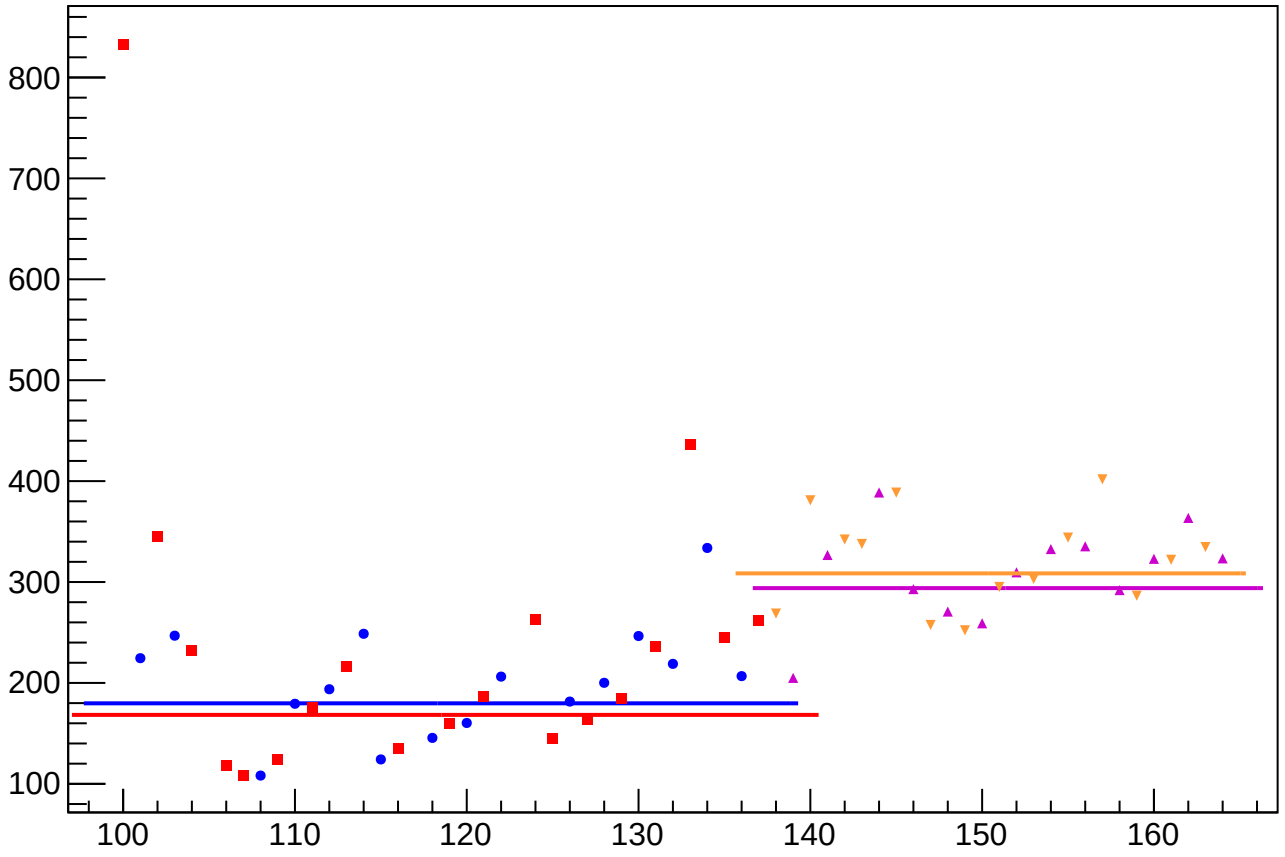
Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

+ sign 226.268+/-0.040 χ^2/NDF: 3781610.9/29

All: 219.378+/-0.028 χ^2/NDF: 8288196.0/61

- 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: -0.021+/-0.094 χ²/NDF:18.9/13
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.018+/-0.091 χ²/NDF:20.7/12
+ sign 0.015+/-0.056 χ²/NDF: 29.7/29
All: 0.042+/-0.039 χ²/NDF: 68.9/61
- sign 0.067+/-0.054 χ²/NDF: 38.8/31



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.564+/-0.066 χ^2/NDF:460211.7/13

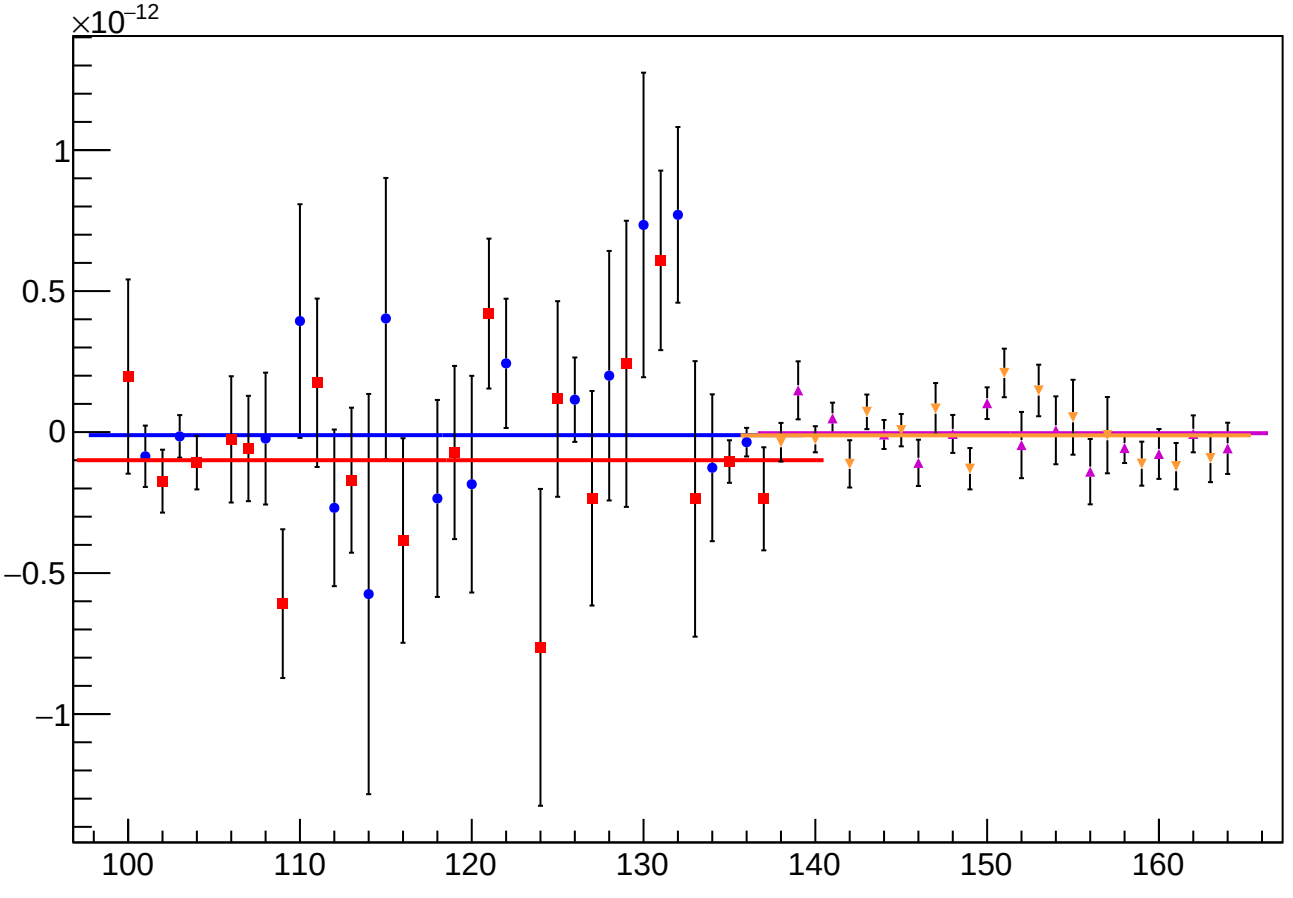
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

+ sign 226.268+/-0.040 χ^2/NDF: 3781610.9/29

All: 219.378+/-0.028 χ^2/NDF: 8288196.0/61

- 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:21.5/13

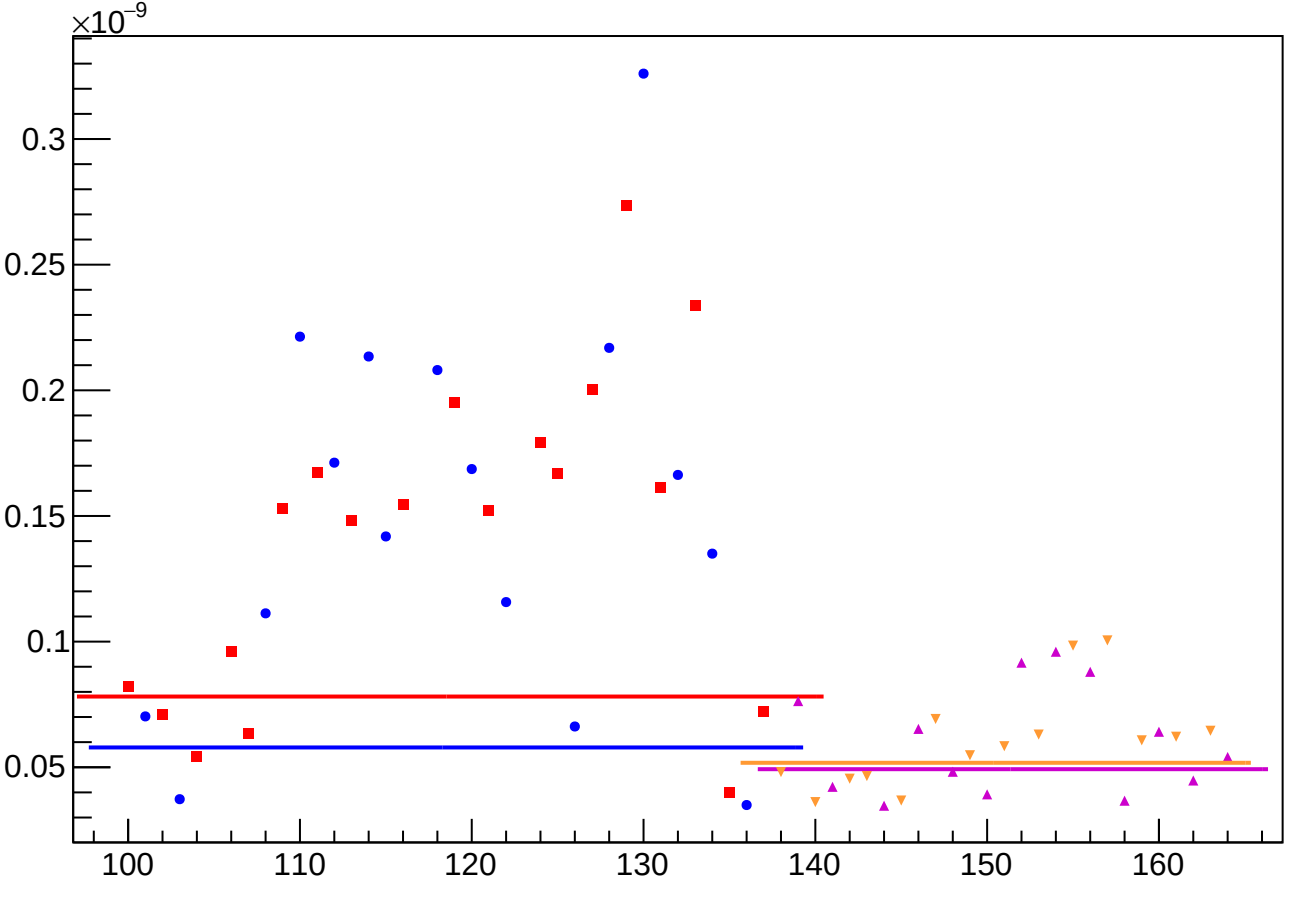
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/29

All: -0.000+/-0.000 χ^2/NDF: 71.2/61

- sign -0.000+/-0.000 χ^2/NDF: 34.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124859.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

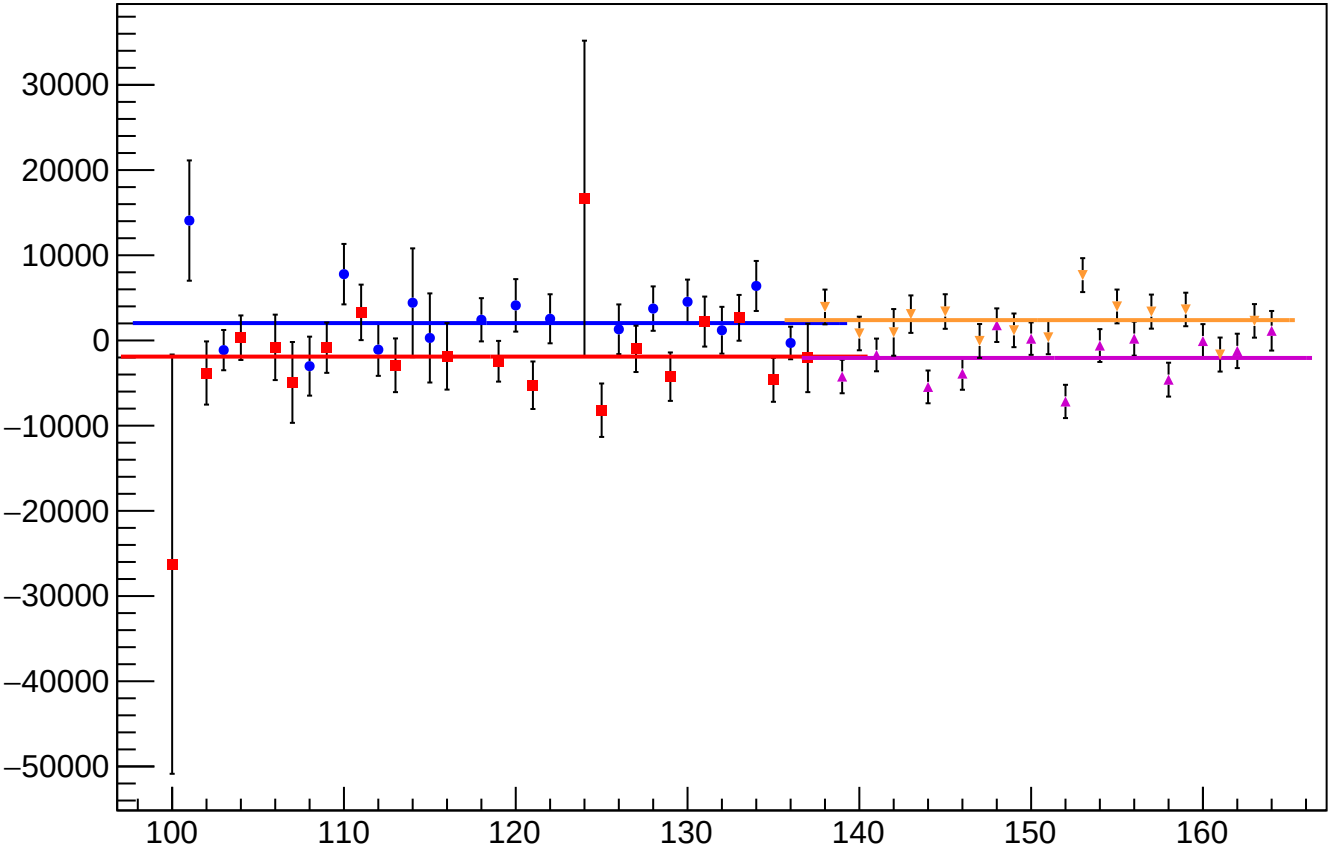
Left In: 0.000+/-0.000 χ^2/NDF:1437979.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 4493220.5/29

All: 0.000+/-0.000 χ^2/NDF: 9438833.7/61

- sign 0.000+/-0.000 χ^2/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: 2386.180+/-544.768 χ^2/NDF:17.2/13

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

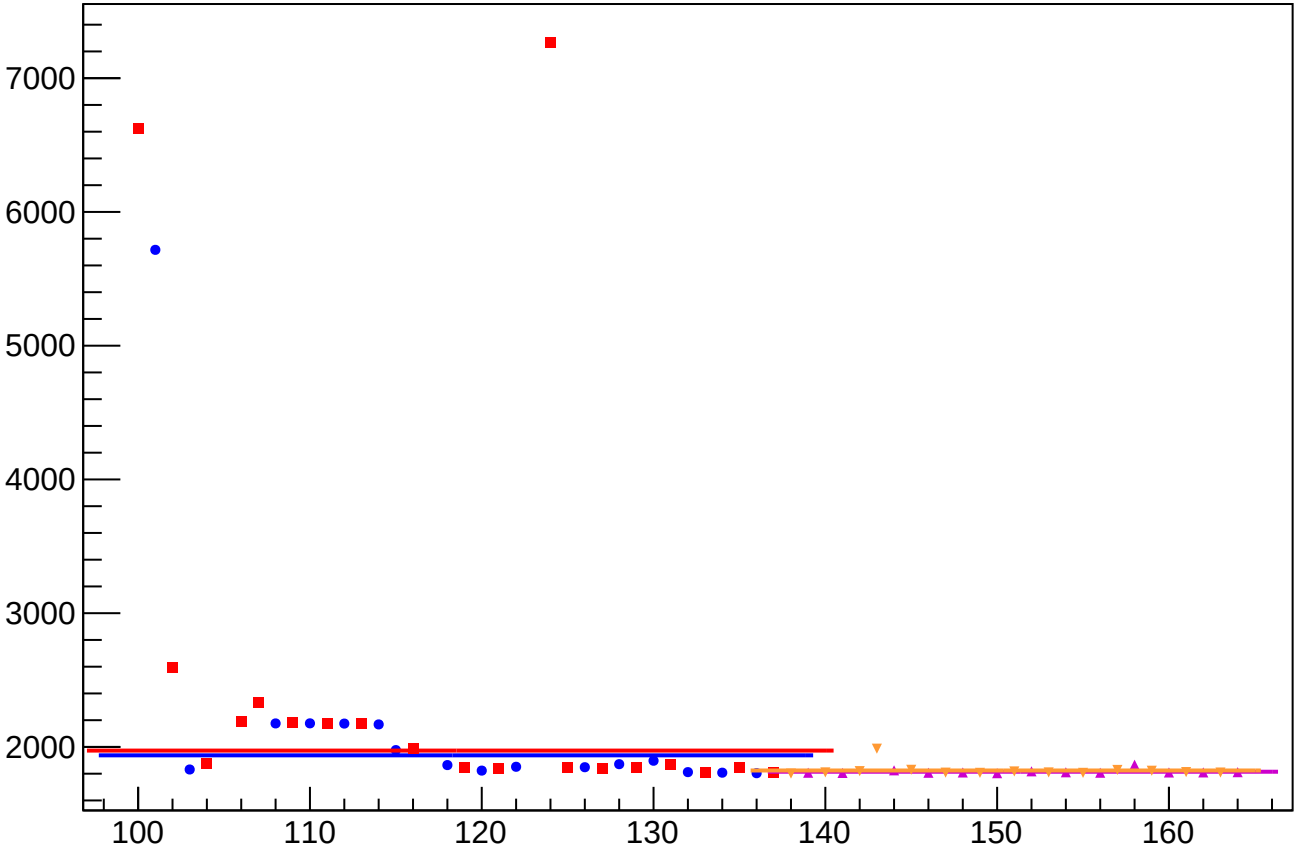
Left In: -2053.017+/-547.866 χ^2/NDF:23.9/12

+ sign 2263.418+/-437.915 χ^2/NDF: 33.8/29

All: 141.647+/-310.260 χ^2/NDF: 123.4/61

- 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: 1823.941+/-0.385 χ^2/NDF:12155.2/13

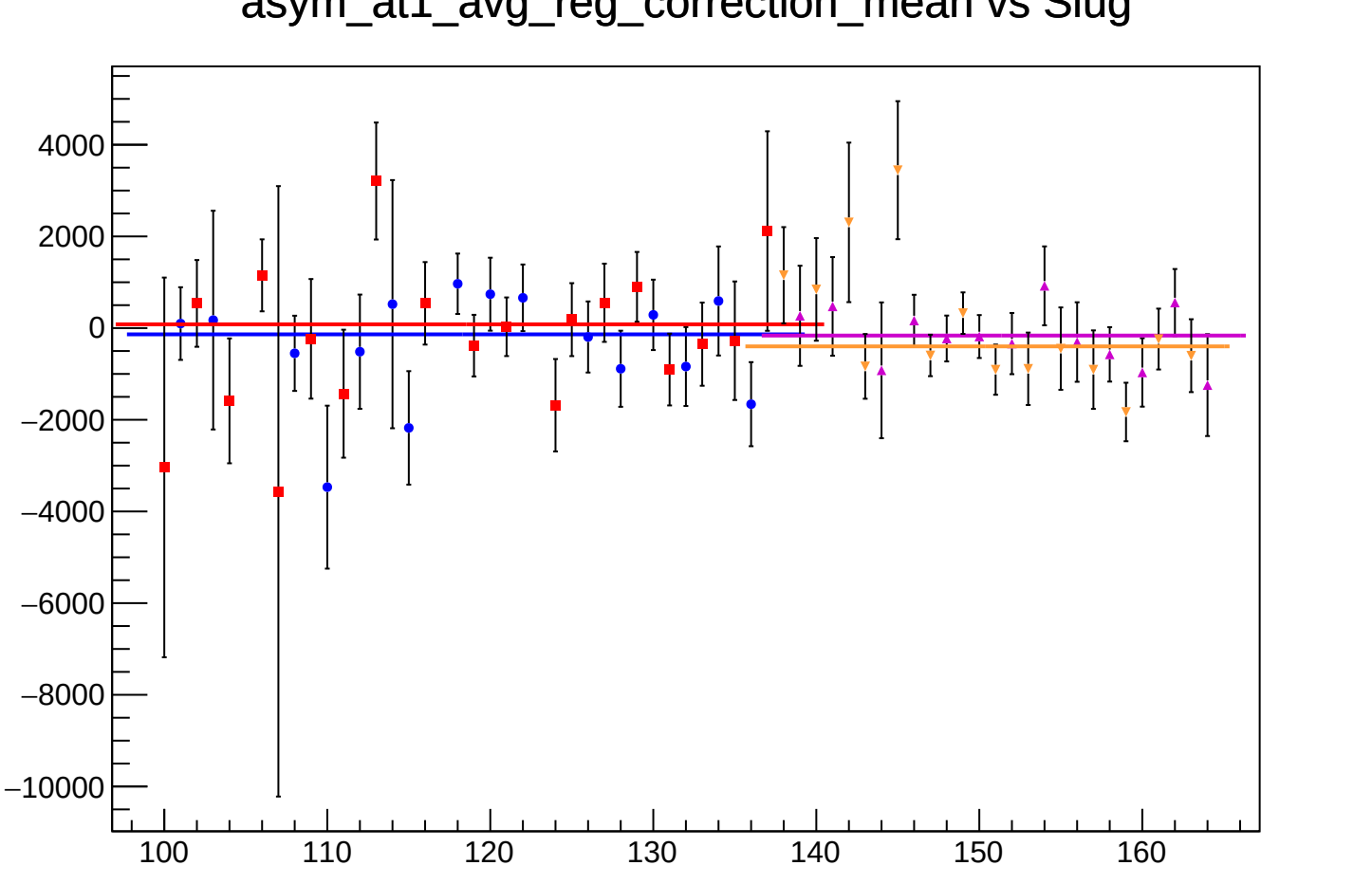
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

+ sign 1864.032+/-0.310 χ^2/NDF: 680861.8/29

All: 1867.468+/-0.219 χ^2/NDF: 1119696.9/61

- sign 1870.931+/-0.311 χ^2/NDF: 438587.9/31



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -399.033+/-188.651 χ^2/NDF:22.2/13

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

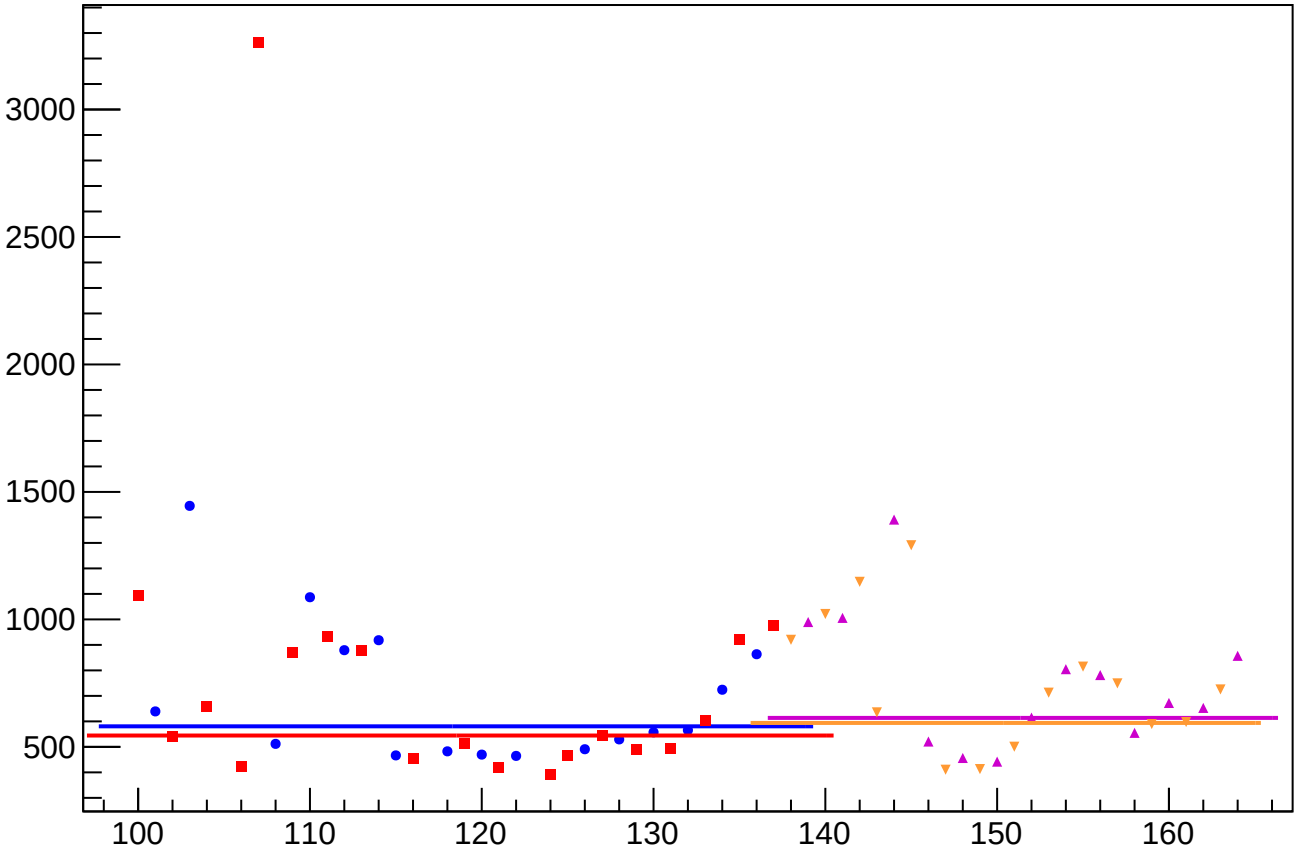
Left In: -162.764+/-195.695 χ^2/NDF:6.4/12

+ sign -293.740+/-145.971 χ^2/NDF: 39.9/29

All: -175.357+/-103.511 χ^2/NDF: 68.0/61

- sign -55.616+/-146.806 χ^2/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: 593.900+/-0.133 χ^2/NDF:2116446.2/13

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

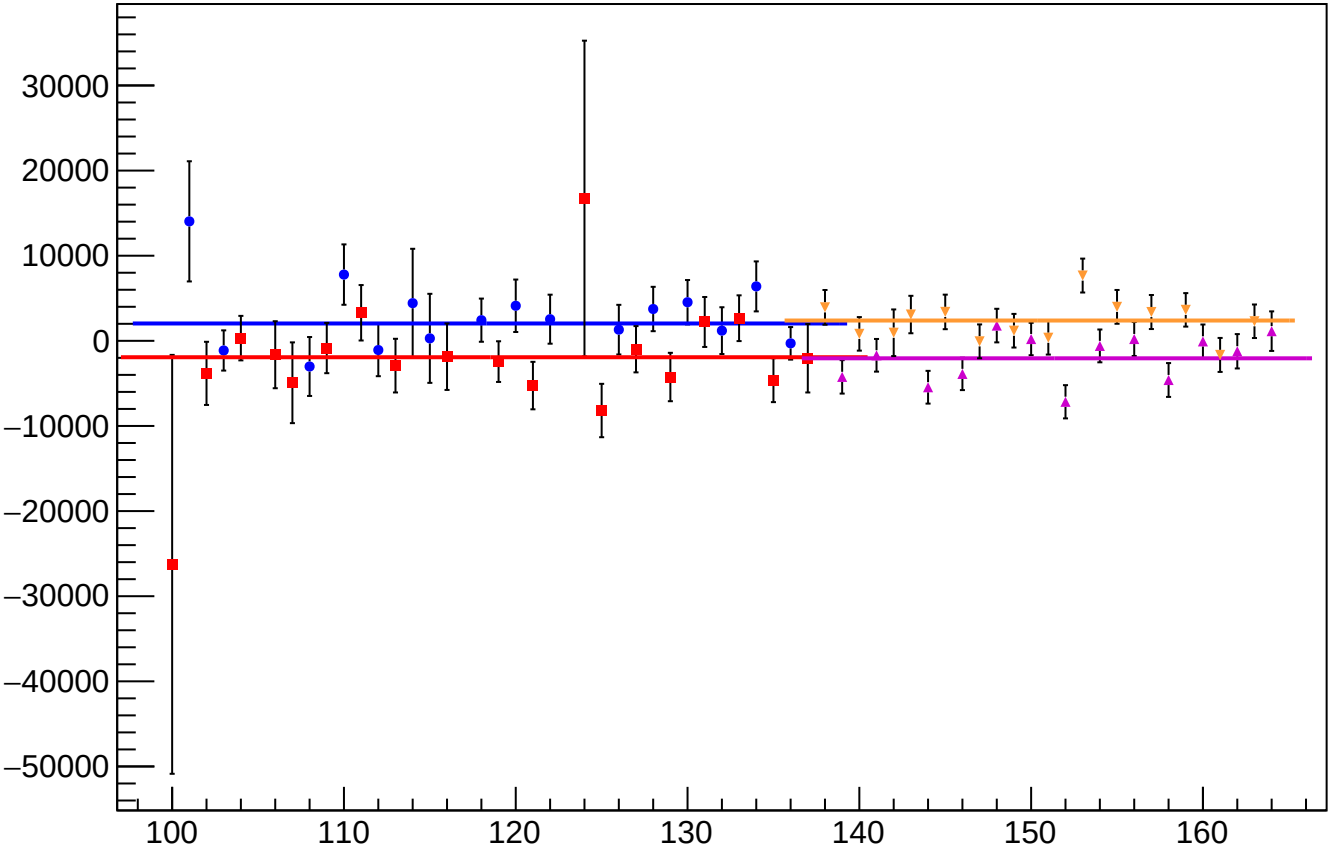
Left In: 613.650+/-0.138 χ^2/NDF:1882249.0/12

+ sign 588.567+/-0.103 χ^2/NDF: 3123839.4/29

All: 586.013+/-0.073 χ^2/NDF: 6404053.1/61

- 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: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

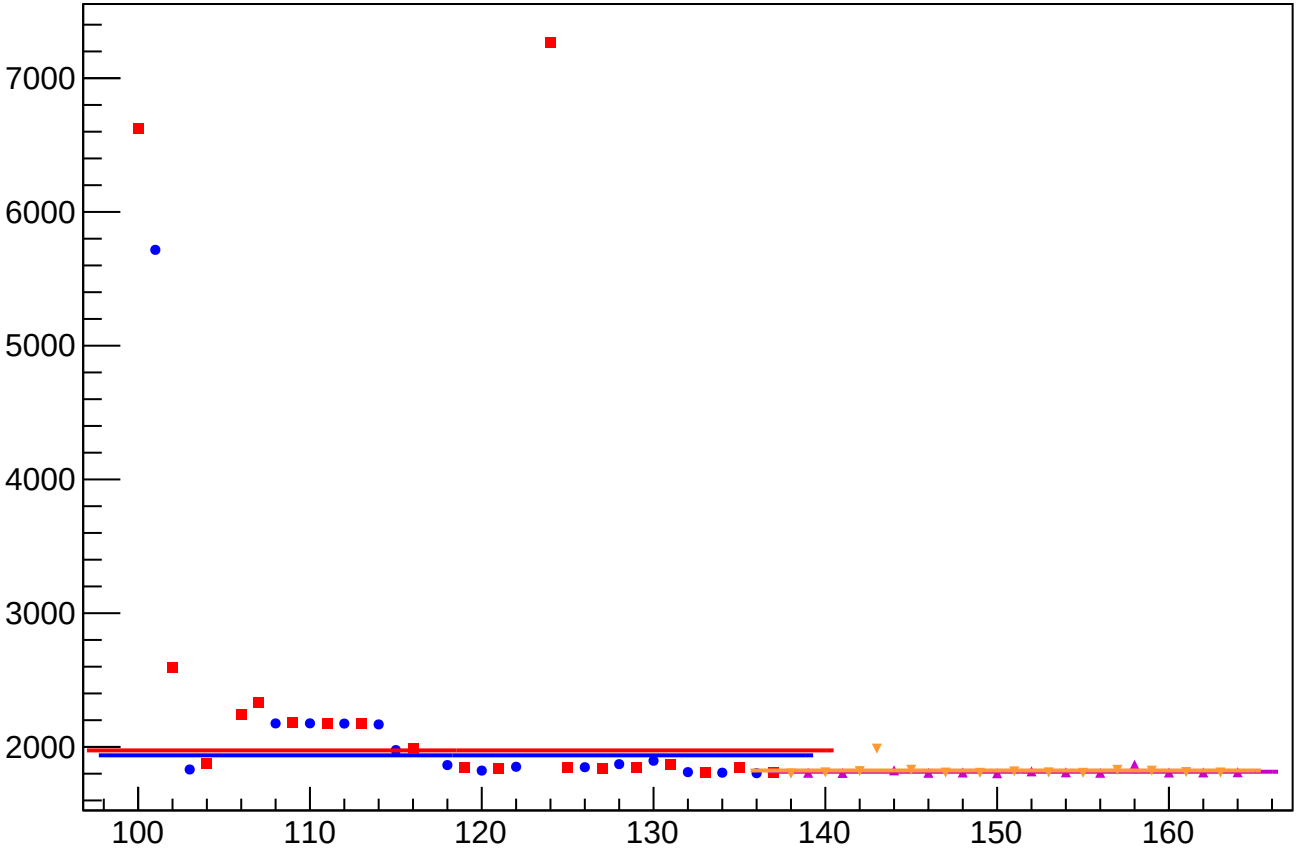
Left In: -2053.109+/-547.866 χ^2/NDF:23.9/12

+ sign 2263.276+/-437.915 χ^2/NDF: 33.8/29

All: 136.689+/-310.308 χ^2/NDF: 123.5/61

- 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: 1823.941+/-0.385 χ^2/NDF:12155.2/13

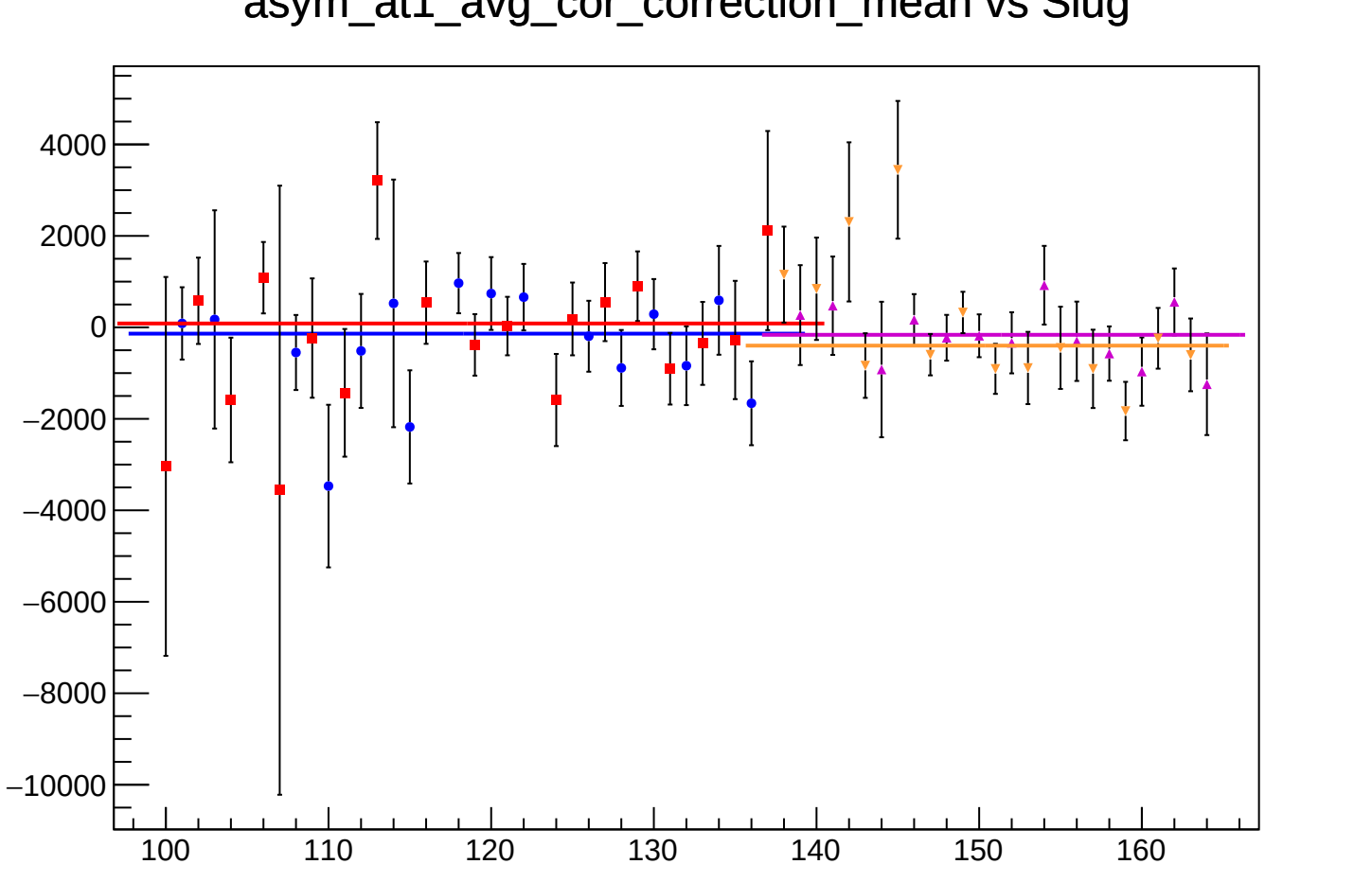
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

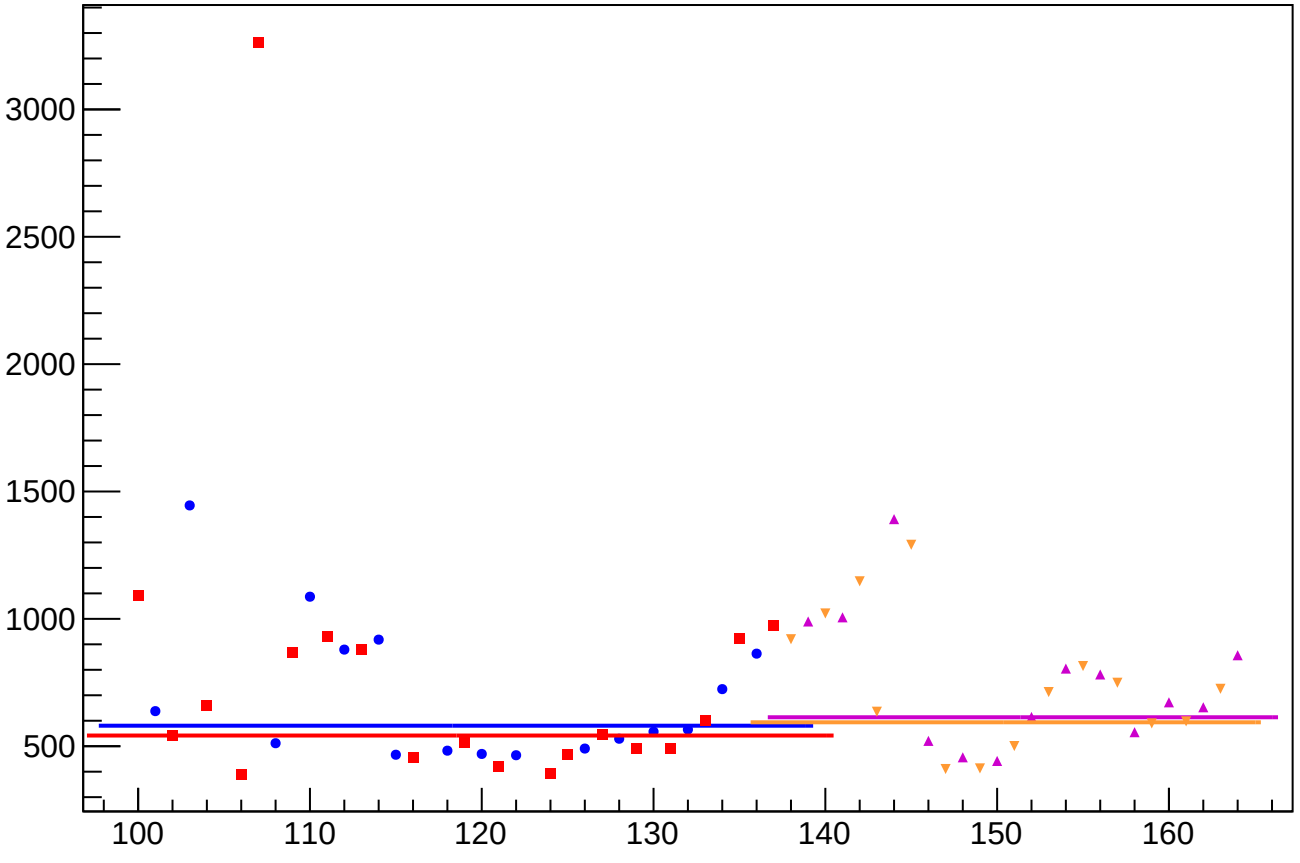
+ sign 1864.032+/-0.310 χ^2/NDF: 680861.7/29

All: 1867.682+/-0.219 χ^2/NDF: 1123605.0/61

- 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: -399.148+/-188.652 χ²/NDF:22.2/13
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -162.796+/-195.696 χ²/NDF:6.4/12
+ sign -294.120+/-145.960 χ²/NDF: 39.9/29
All: -174.921+/-103.493 χ²/NDF: 67.6/61
- 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: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

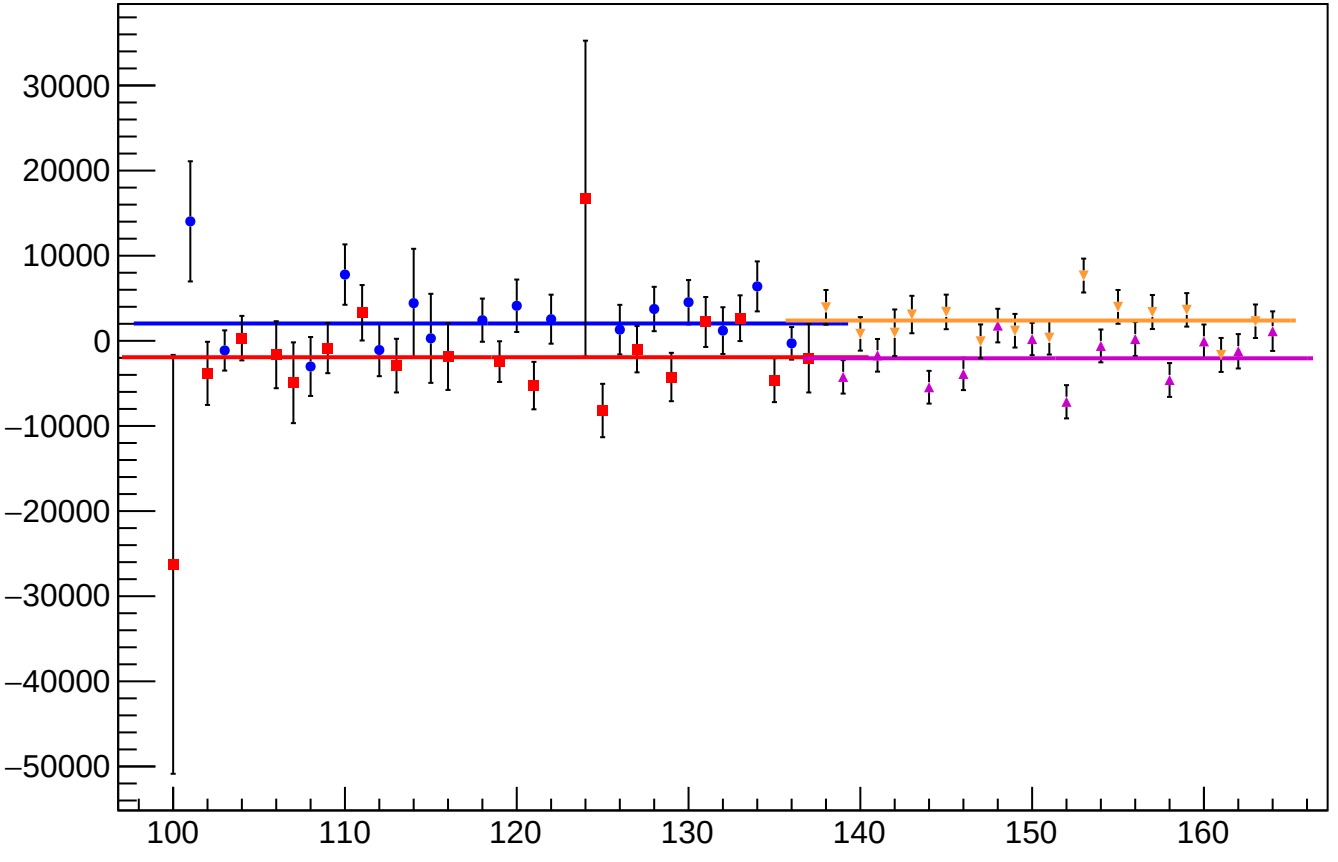
Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

+ sign 588.531+/-0.103 χ^2/NDF: 3123498.1/29

All: 585.421+/-0.073 χ^2/NDF: 6443988.0/61

- 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: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

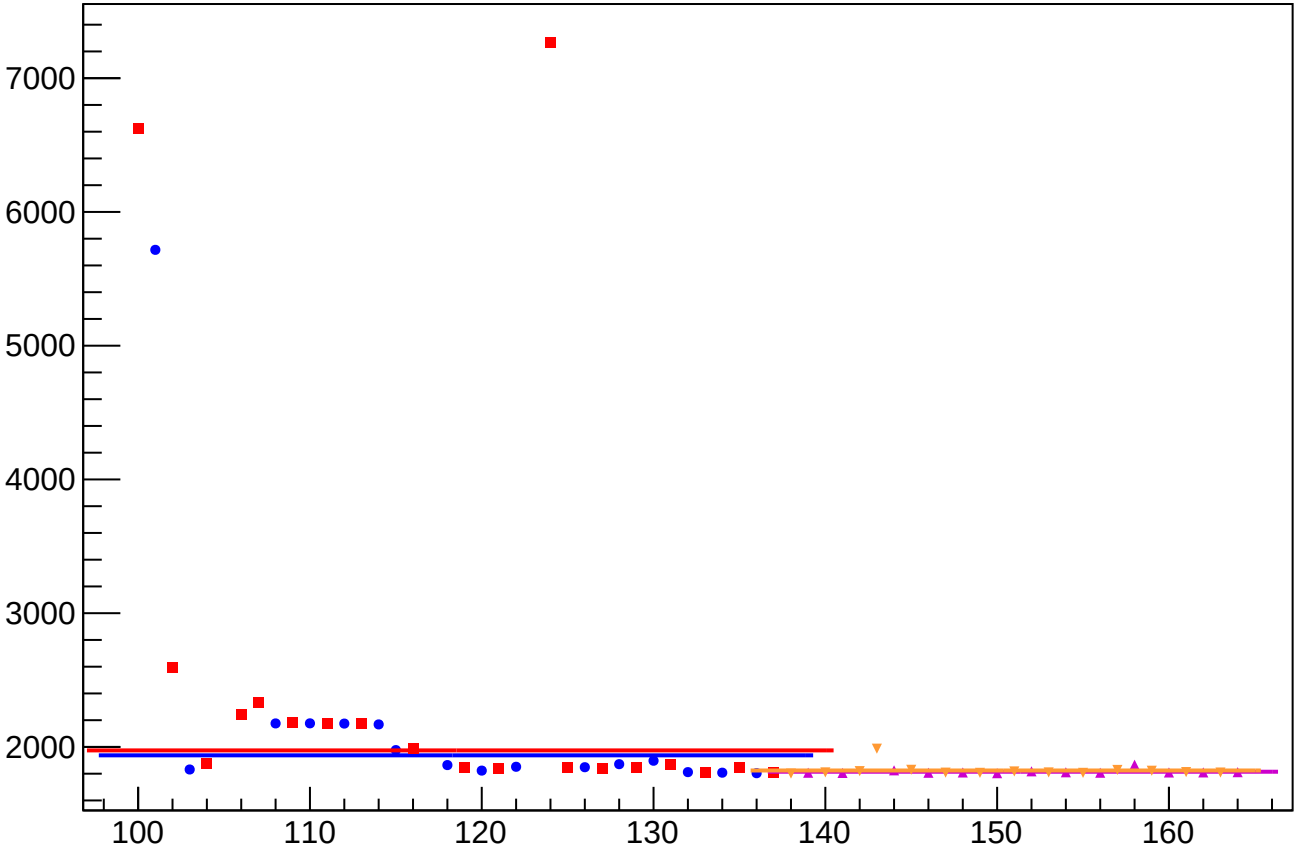
Left In: -2053.109+/-547.866 χ^2/NDF:23.9/12

+ sign 2263.276+/-437.915 χ^2/NDF: 33.8/29

All: 136.689+/-310.308 χ^2/NDF: 123.5/61

- 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: 1823.941+/-0.385 χ^2/NDF:12155.2/13

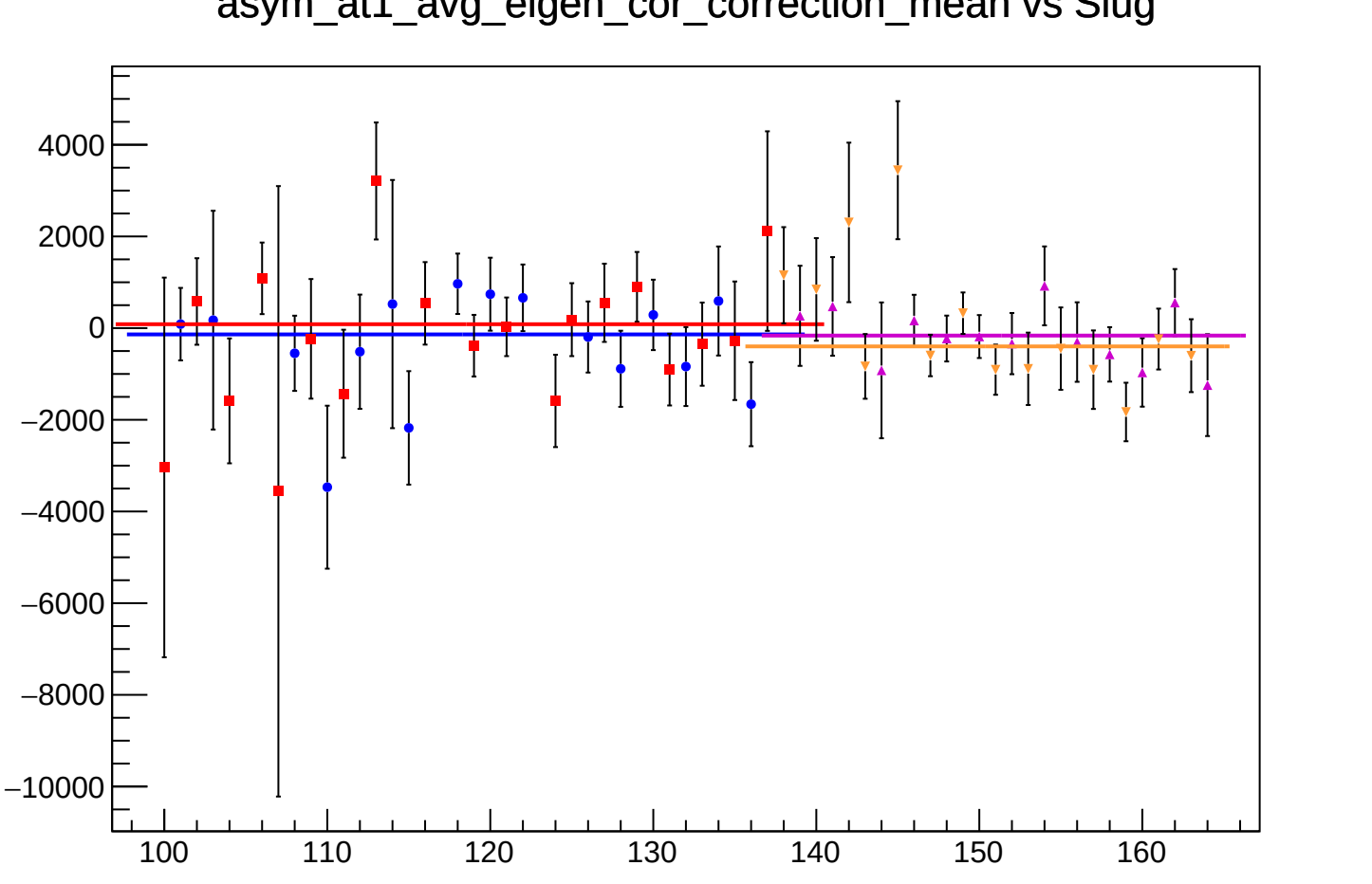
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

+ sign 1864.032+/-0.310 χ^2/NDF: 680861.7/29

All: 1867.682+/-0.219 χ^2/NDF: 1123605.0/61

- sign 1871.364+/-0.311 χ^2/NDF: 442464.1/31


asym_at1_avg_eigen_cor_correction_mean vs Slug
4000
2000
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−2000
−4000
−6000
−8000
−10000
100
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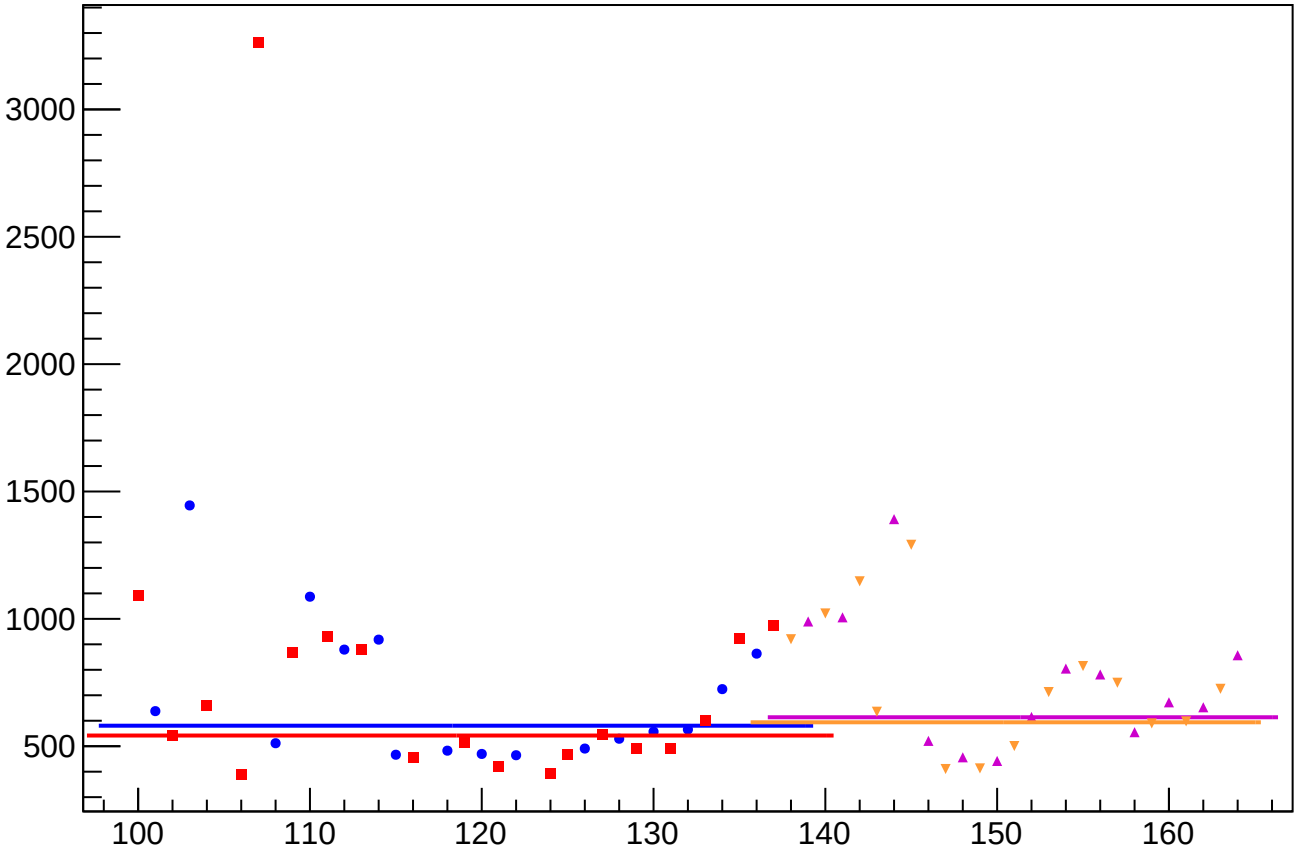
120
130
140
150
160
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -399.148+/-188.652 χ²/NDF:22.2/13
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -162.796+/-195.696 χ²/NDF:6.4/12
+ sign -294.120+/-145.960 χ²/NDF: 39.9/29
All: -174.921+/-103.493 χ²/NDF: 67.6/61
- sign -54.399+/-146.767 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: 593.904+/-0.133 χ^2/NDF:2116556.1/13

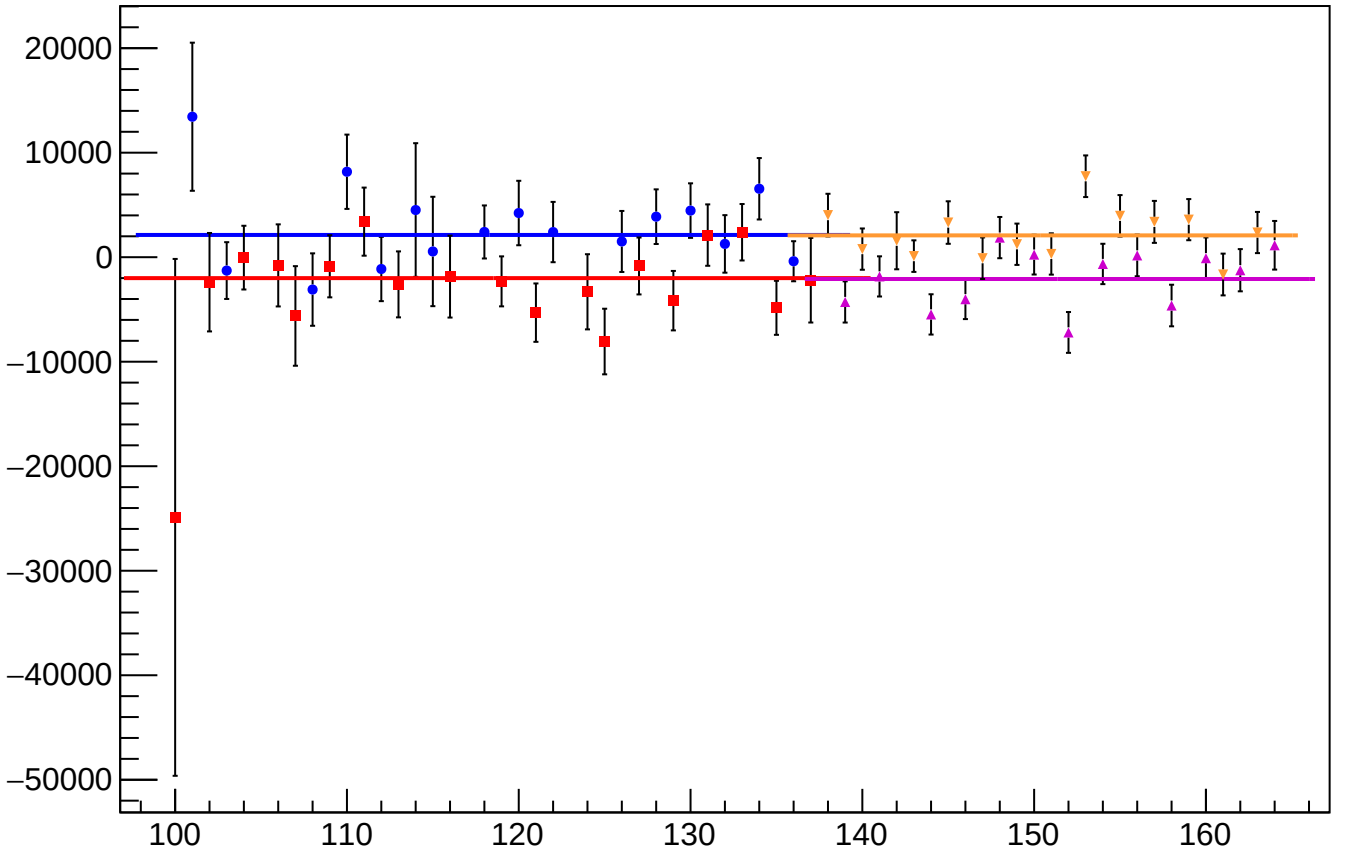
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

+ sign 588.531+/-0.103 χ^2/NDF: 3123498.1/29

All: 585.421+/-0.073 χ^2/NDF: 6443988.0/61

- sign 582.275+/-0.104 χ^2/NDF: 3318662.8/31



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.679+/-527.460 χ^2/NDF:19.2/13

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

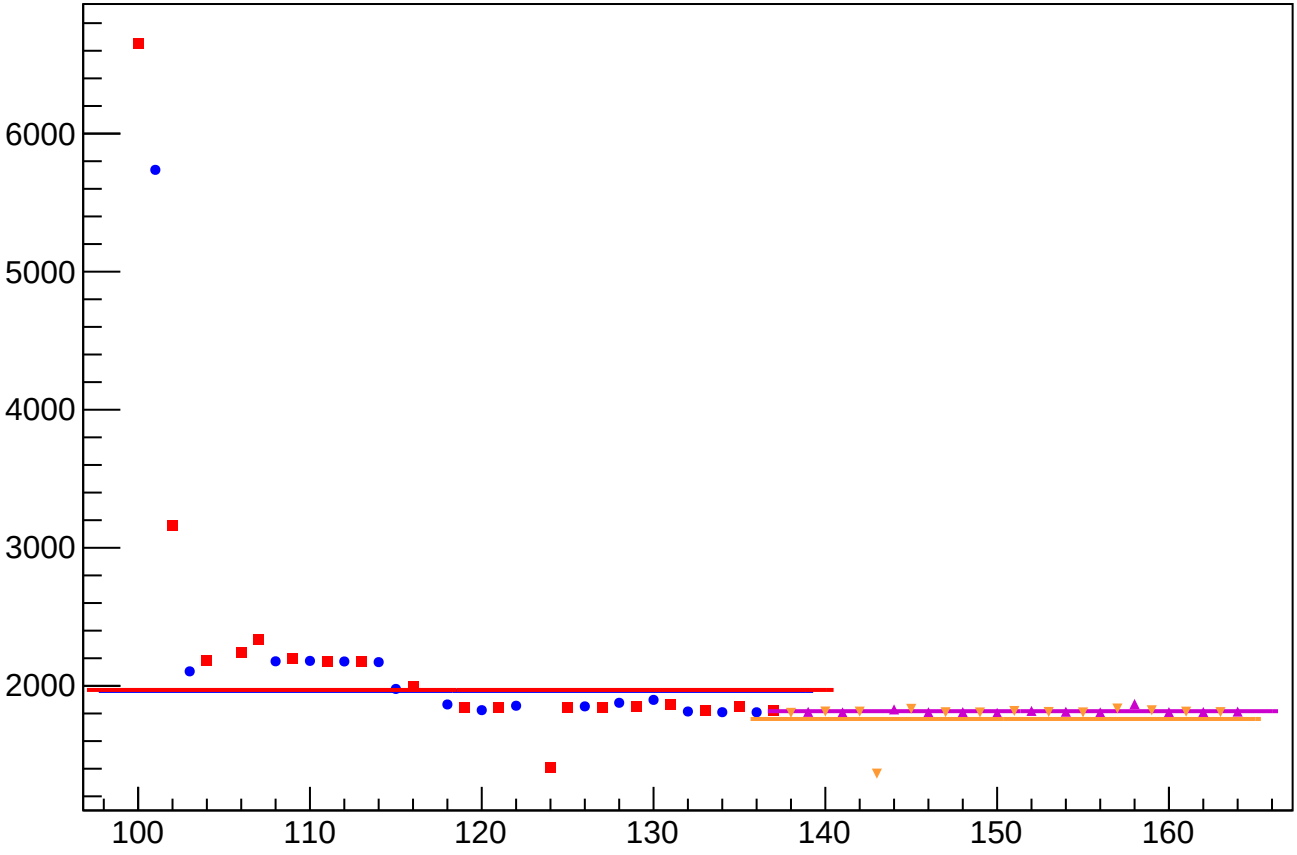
Left In: -2085.691+/-548.482 χ^2/NDF:24.3/12

+ sign 2101.362+/-430.727 χ^2/NDF: 35.7/29

All: 67.196+/-307.812 χ^2/NDF: 122.3/61

- 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: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

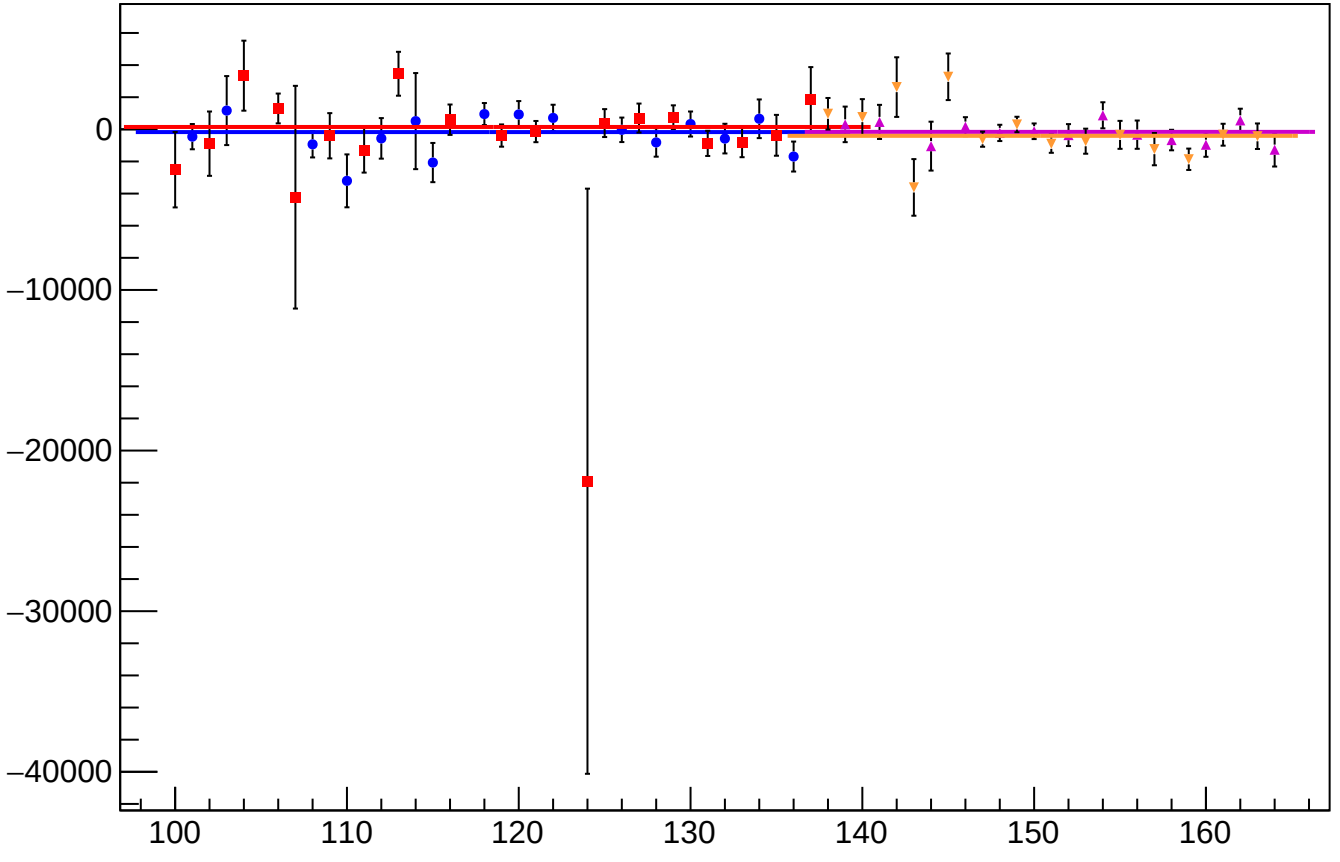
Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

+ sign 1827.911+/-0.305 χ^2/NDF: 896387.3/29

All: 1849.213+/-0.218 χ^2/NDF: 1309323.0/61

- 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: -404.475+/-200.512 χ^2/NDF:24.3/13

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

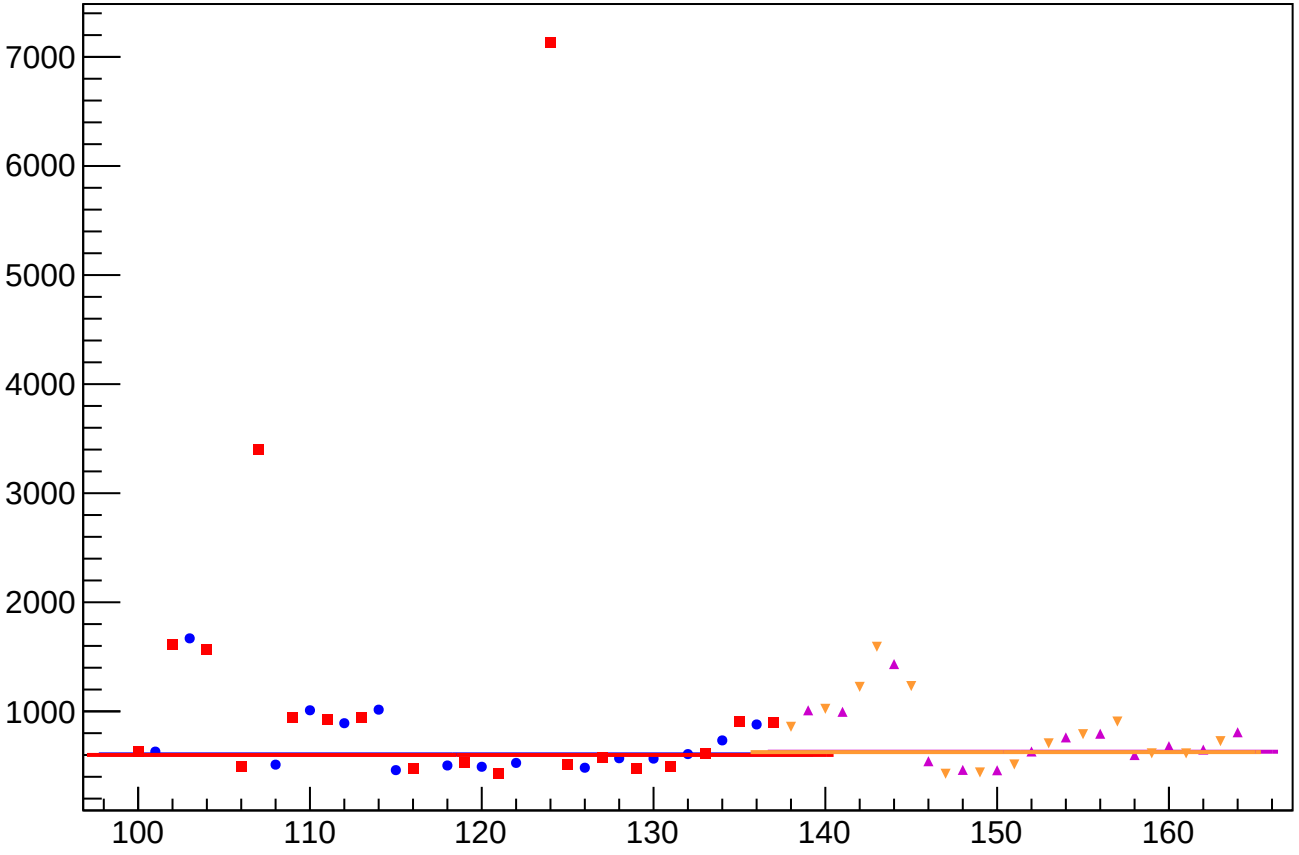
Left In: -158.558+/-199.574 χ^2/NDF:6.8/12

+ sign -306.939+/-153.053 χ^2/NDF: 42.1/29

All: -172.066+/-108.624 χ^2/NDF: 71.5/61

- 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: 626.414+/-0.142 χ^2/NDF:2537606.1/13

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

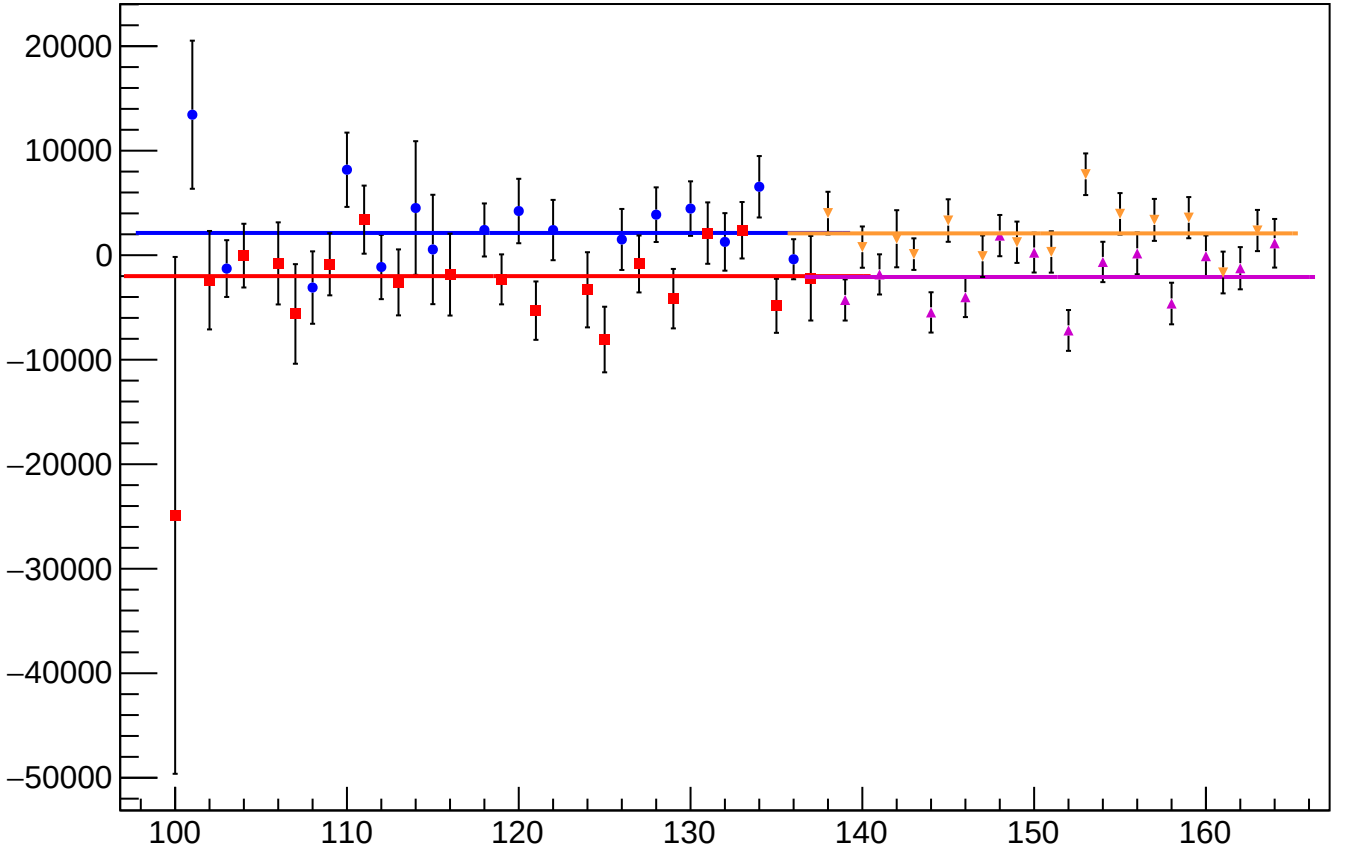
Left In: 629.824+/-0.141 χ^2/NDF:1728871.7/12

+ sign 617.656+/-0.108 χ^2/NDF: 3709203.1/29

All: 617.818+/-0.077 χ^2/NDF: 7784072.4/61

- 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: 2087.680+/-527.460 χ^2/NDF:19.2/13

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

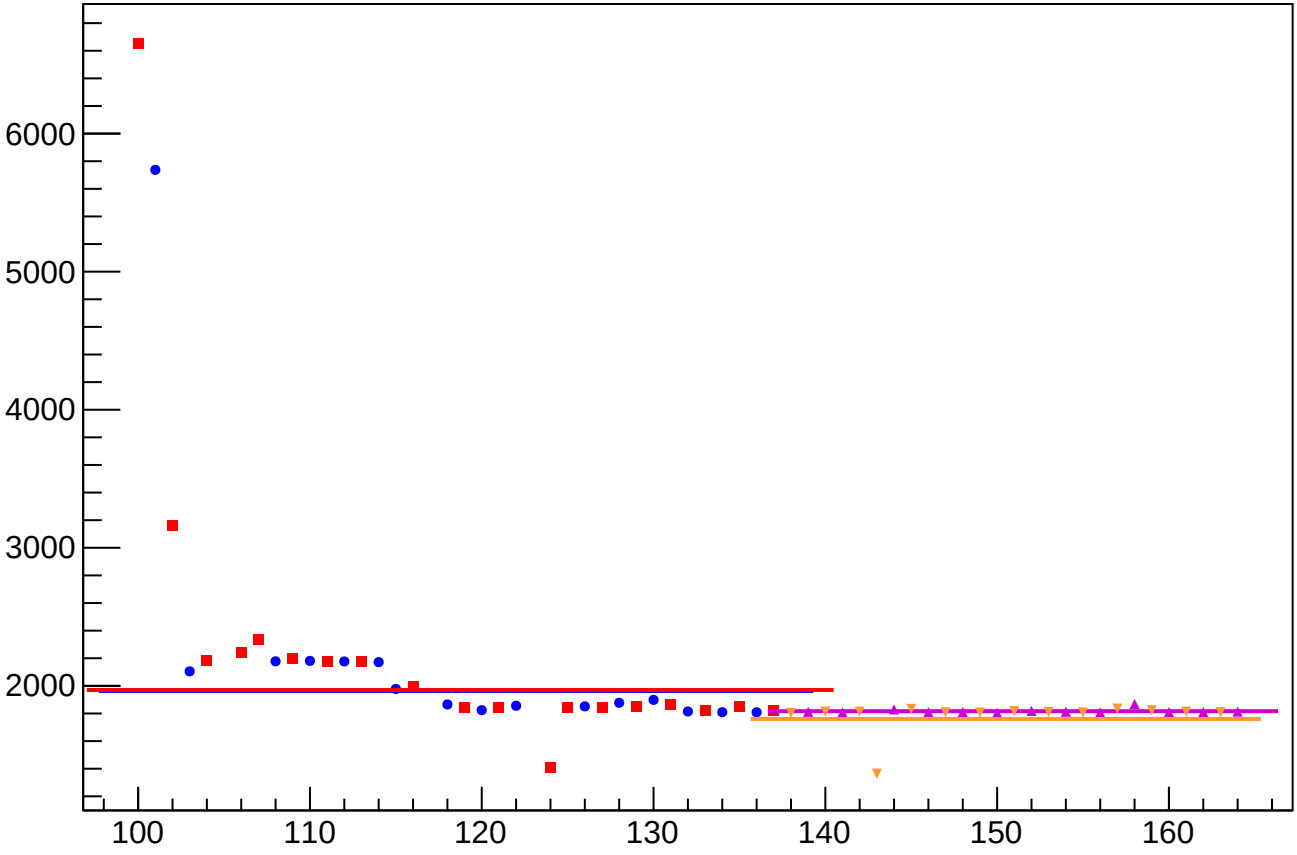
Left In: -2085.691+/-548.482 χ^2/NDF:24.3/12

+ sign 2101.361+/-430.727 χ^2/NDF: 35.7/29

All: 67.196+/-307.812 χ^2/NDF: 122.3/61

- 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: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

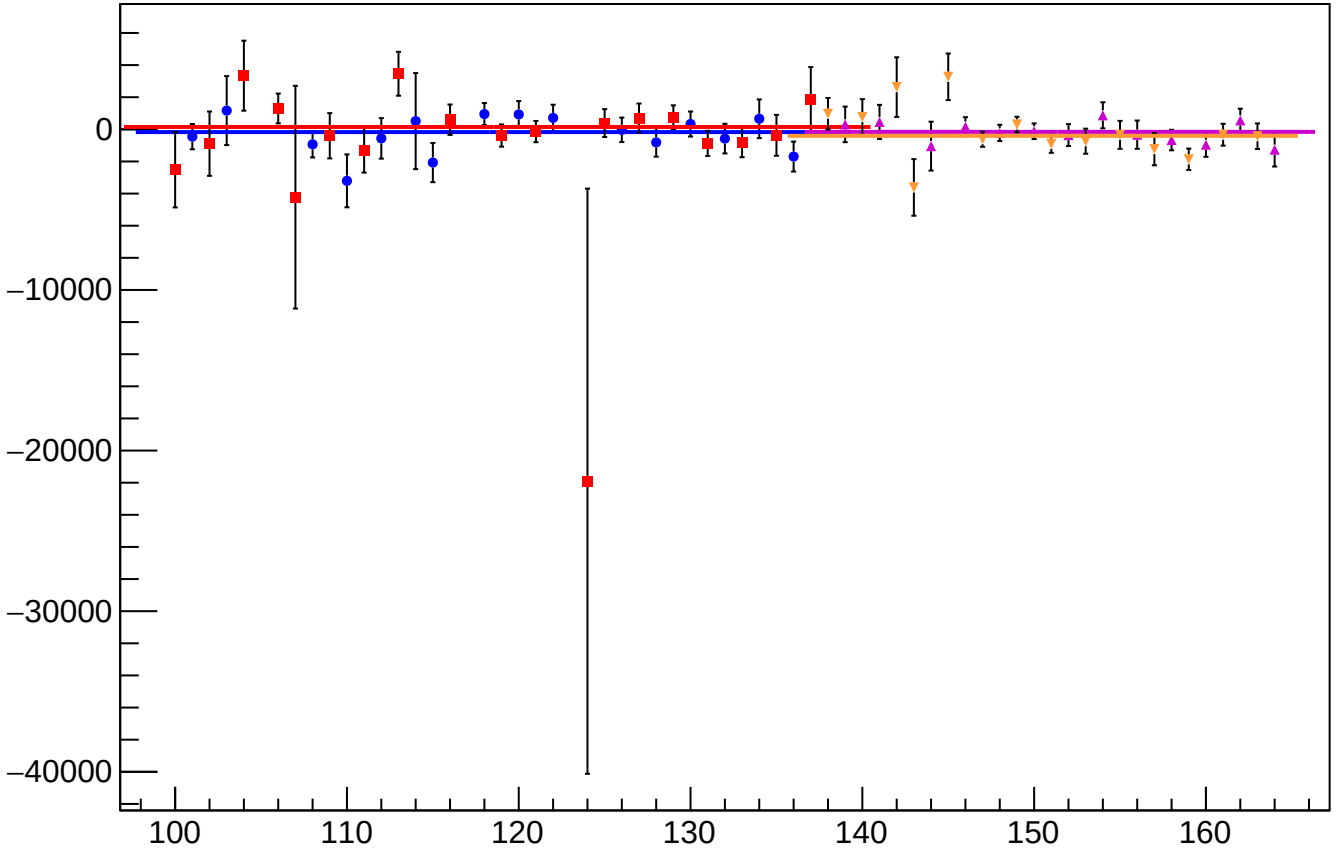
Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

+ sign 1827.911+/-0.305 χ^2/NDF: 896386.8/29

All: 1849.213+/-0.218 χ^2/NDF: 1309321.0/61

- sign 1871.447+/-0.311 χ^2/NDF: 402936.8/31

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.476+/-200.512 χ^2/NDF:24.3/13

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

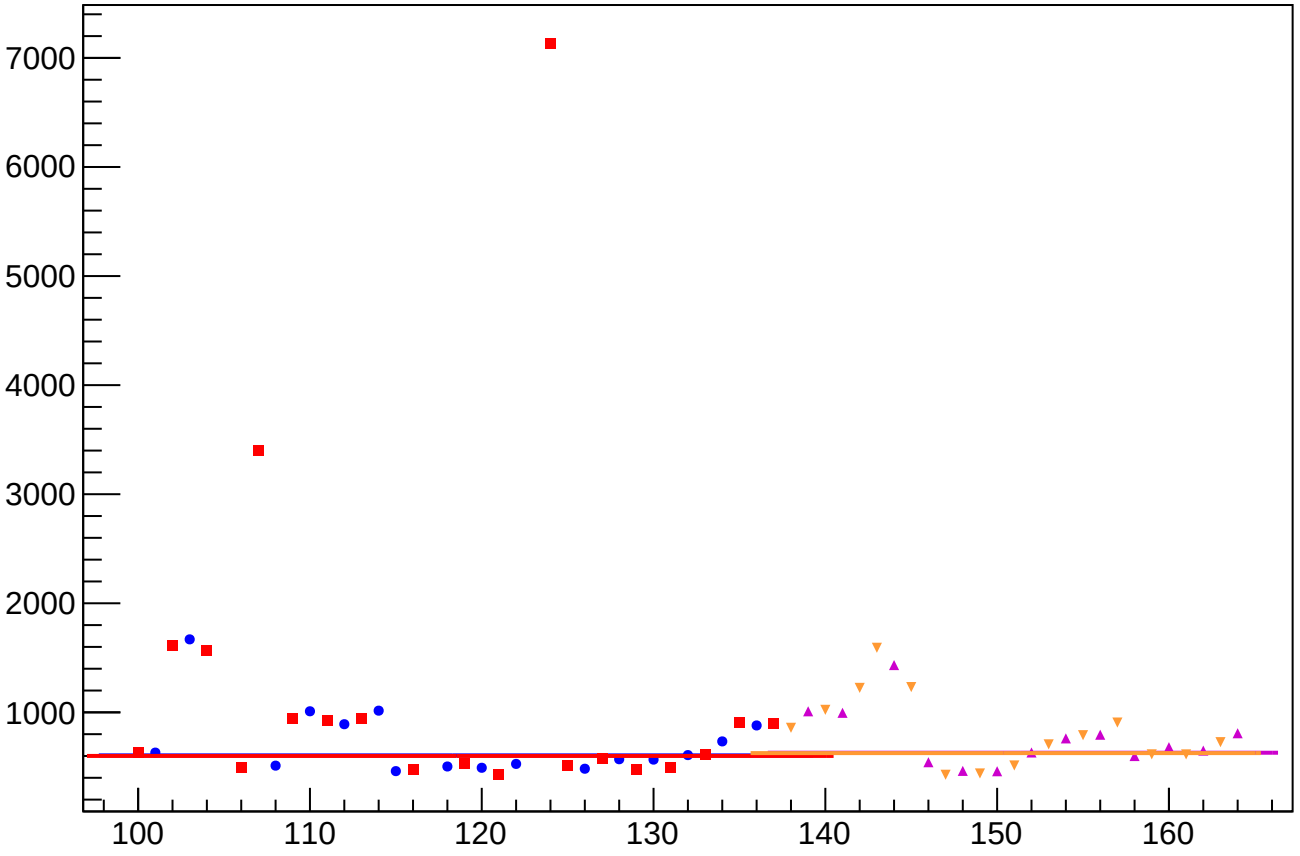
Left In: -158.558+/-199.575 χ^2/NDF:6.8/12

+ sign -306.938+/-153.053 χ^2/NDF: 42.1/29

All: -172.066+/-108.624 χ^2/NDF: 71.5/61

- 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: 626.415+/-0.142 χ^2/NDF:2537597.8/13

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

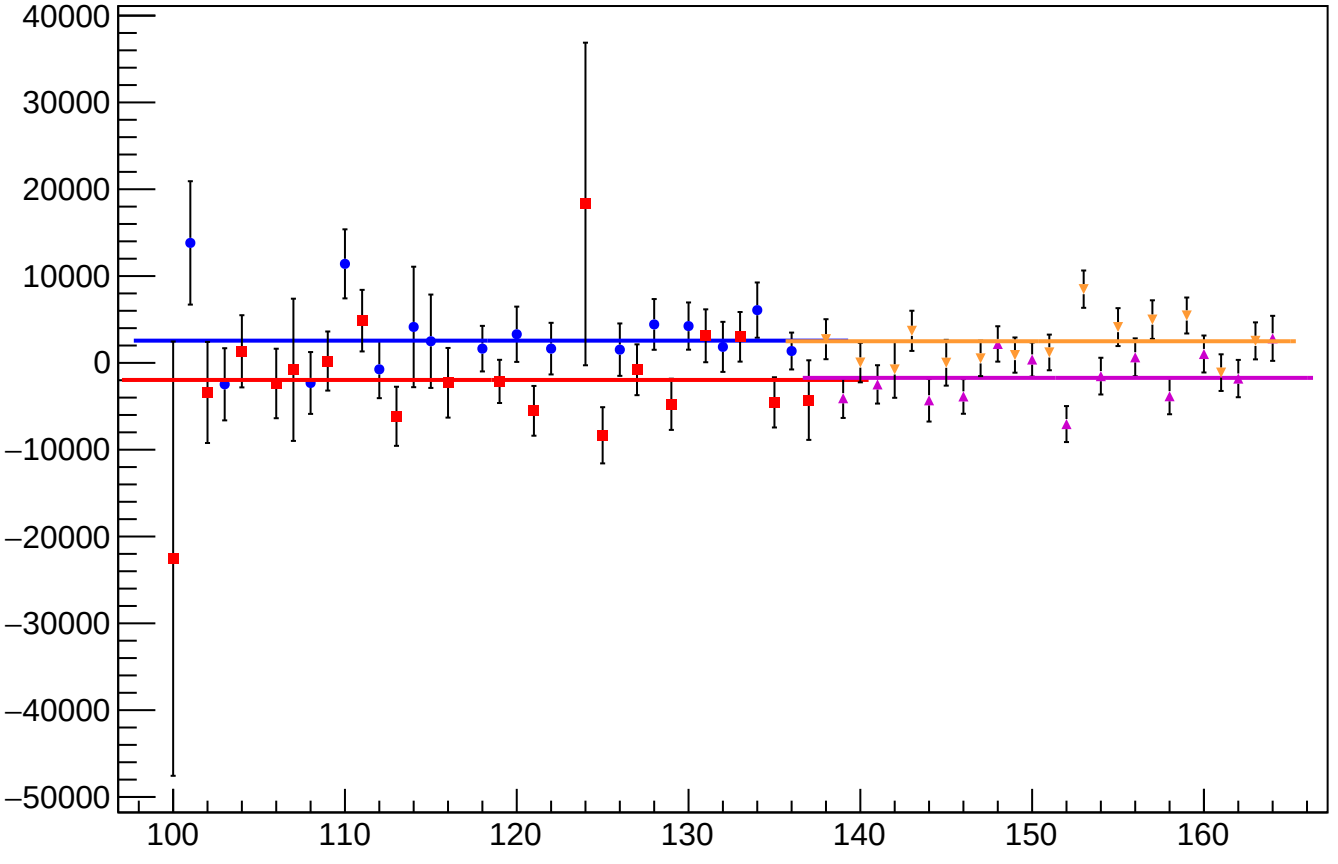
Left In: 629.825+/-0.141 χ^2/NDF:1728867.0/12

+ sign 617.656+/-0.108 χ^2/NDF: 3709204.6/29

All: 617.818+/-0.077 χ^2/NDF: 7784079.4/61

- 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: 2492.281+/-594.088 χ^2/NDF:19.9/13

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

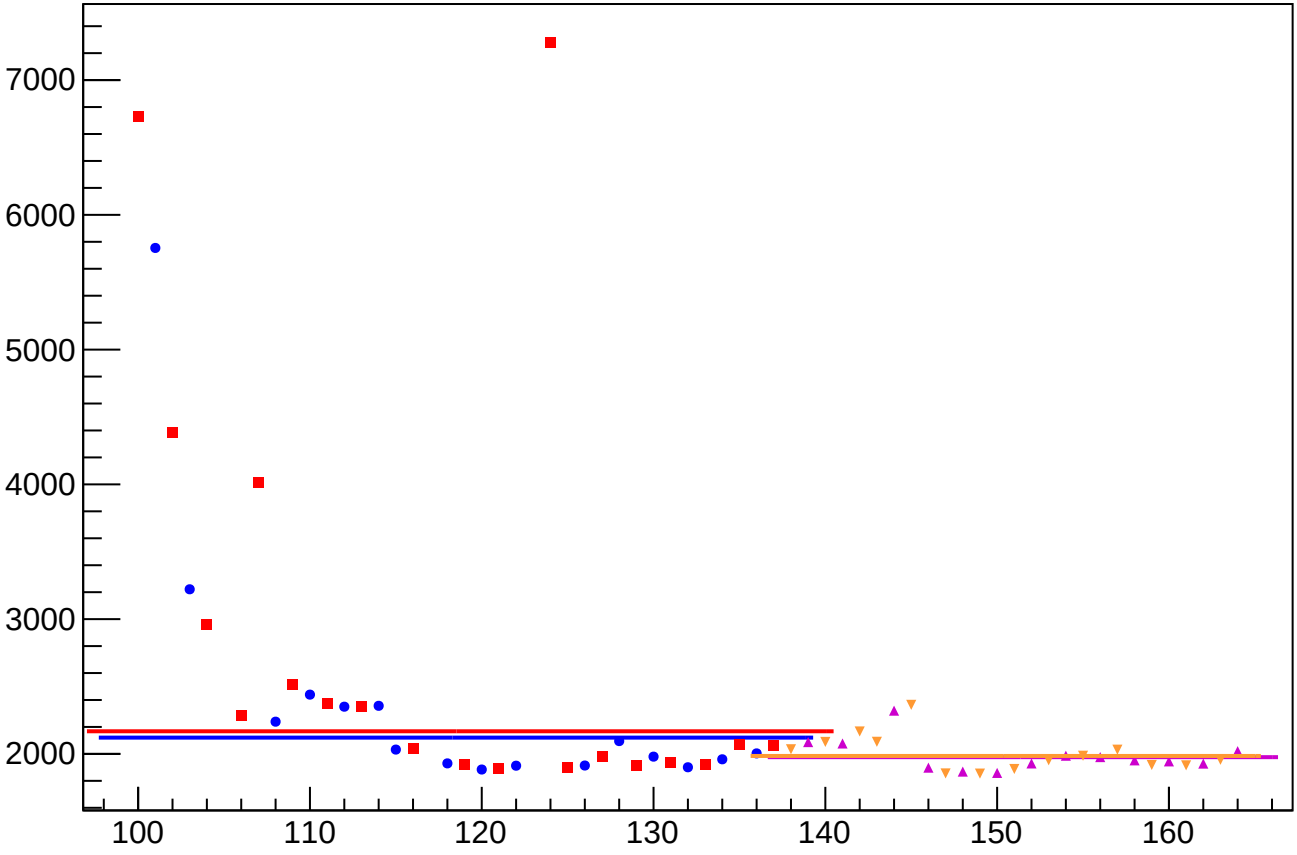
Left In: -1726.848+/-597.658 χ^2/NDF:21.8/12

+ sign 2516.320+/-478.980 χ^2/NDF: 34.5/29

All: 369.995+/-340.014 χ^2/NDF: 118.4/61

- 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: 1984.709+/-0.420 χ^2/NDF:83601.4/13

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

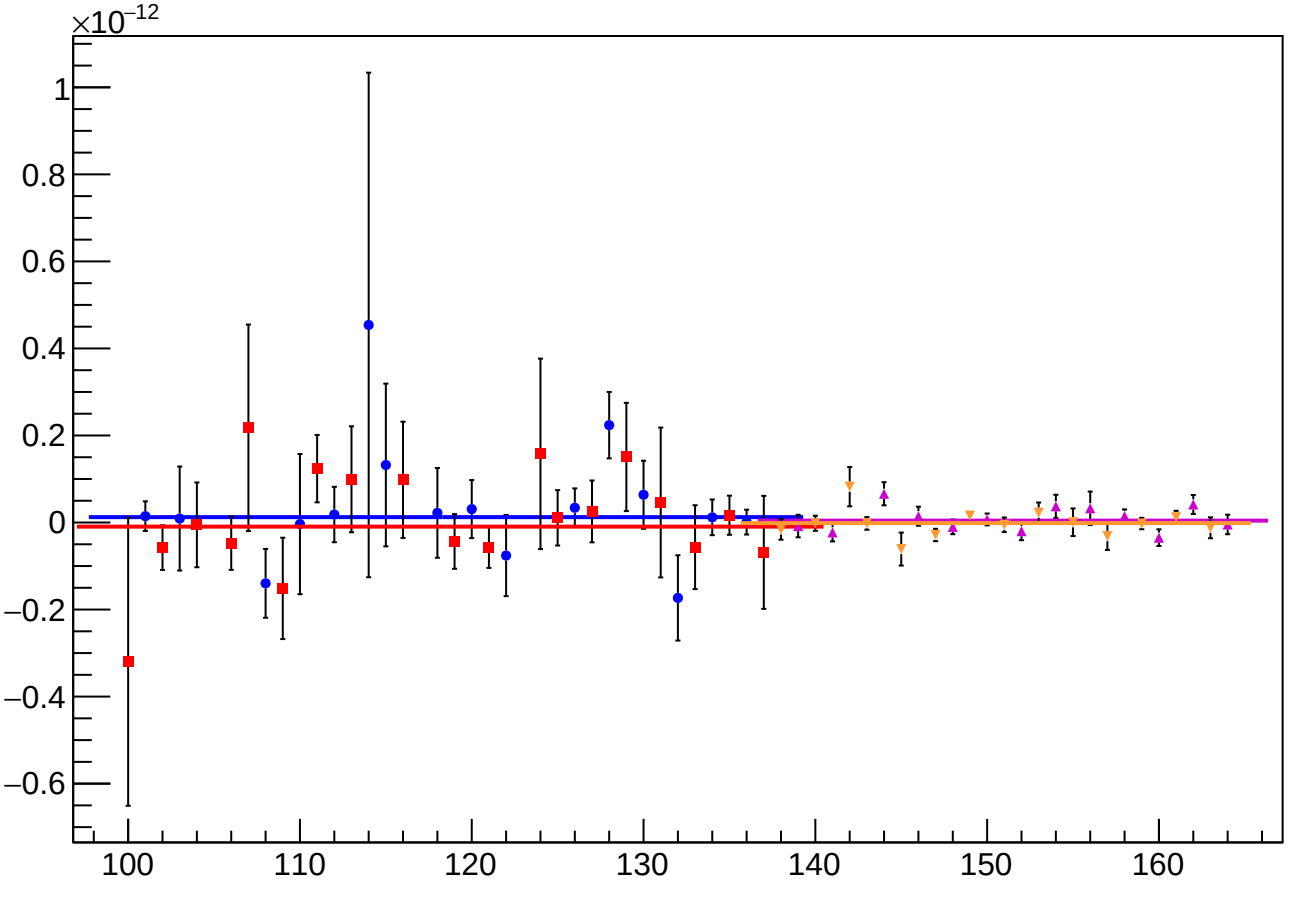
Left In: 1975.758+/-0.423 χ^2/NDF:67734.5/12

+ sign 2032.329+/-0.339 χ^2/NDF: 880288.2/29

All: 2037.385+/-0.240 χ^2/NDF: 1844199.8/61

- 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:15.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

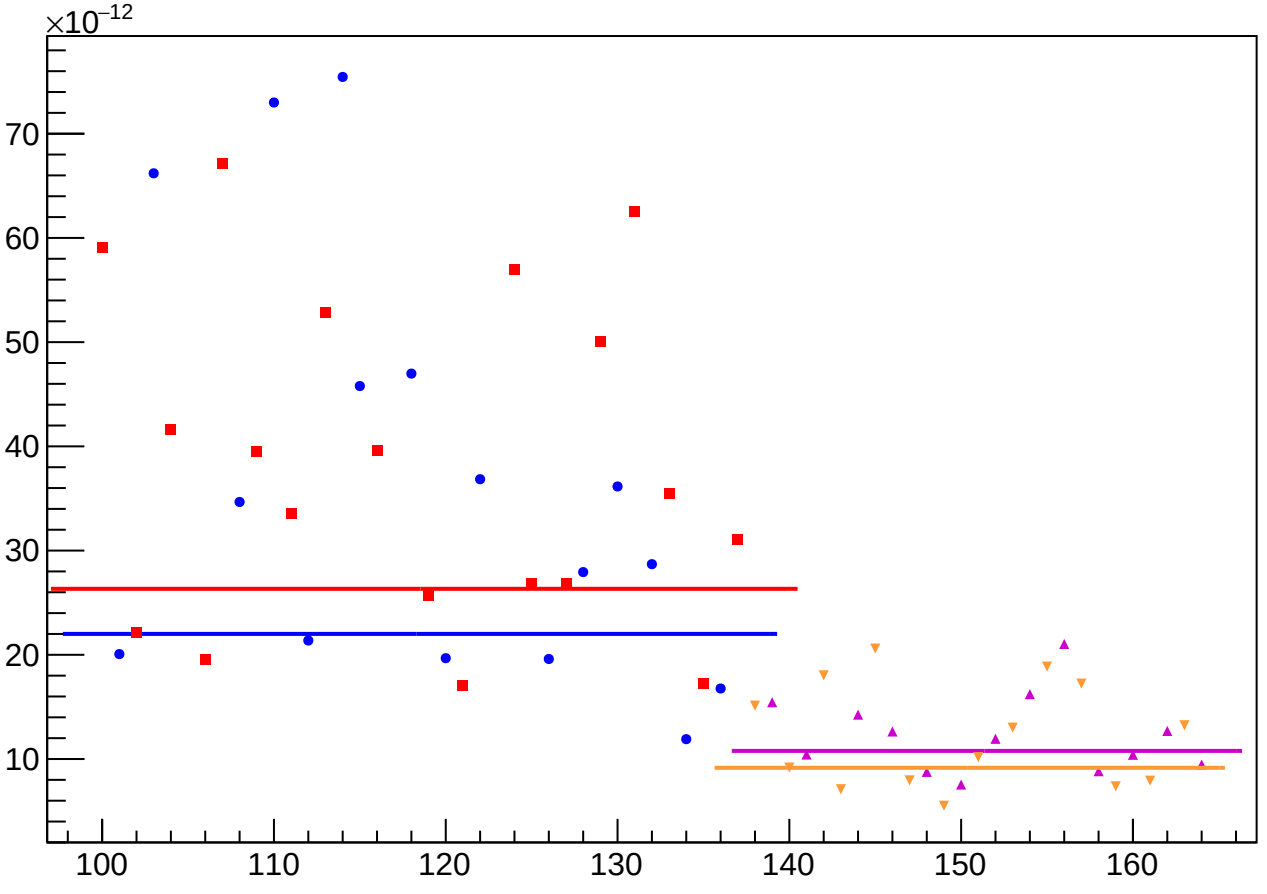
Left In: 0.000+/-0.000 χ^2/NDF:19.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/61

- 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:1124599.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

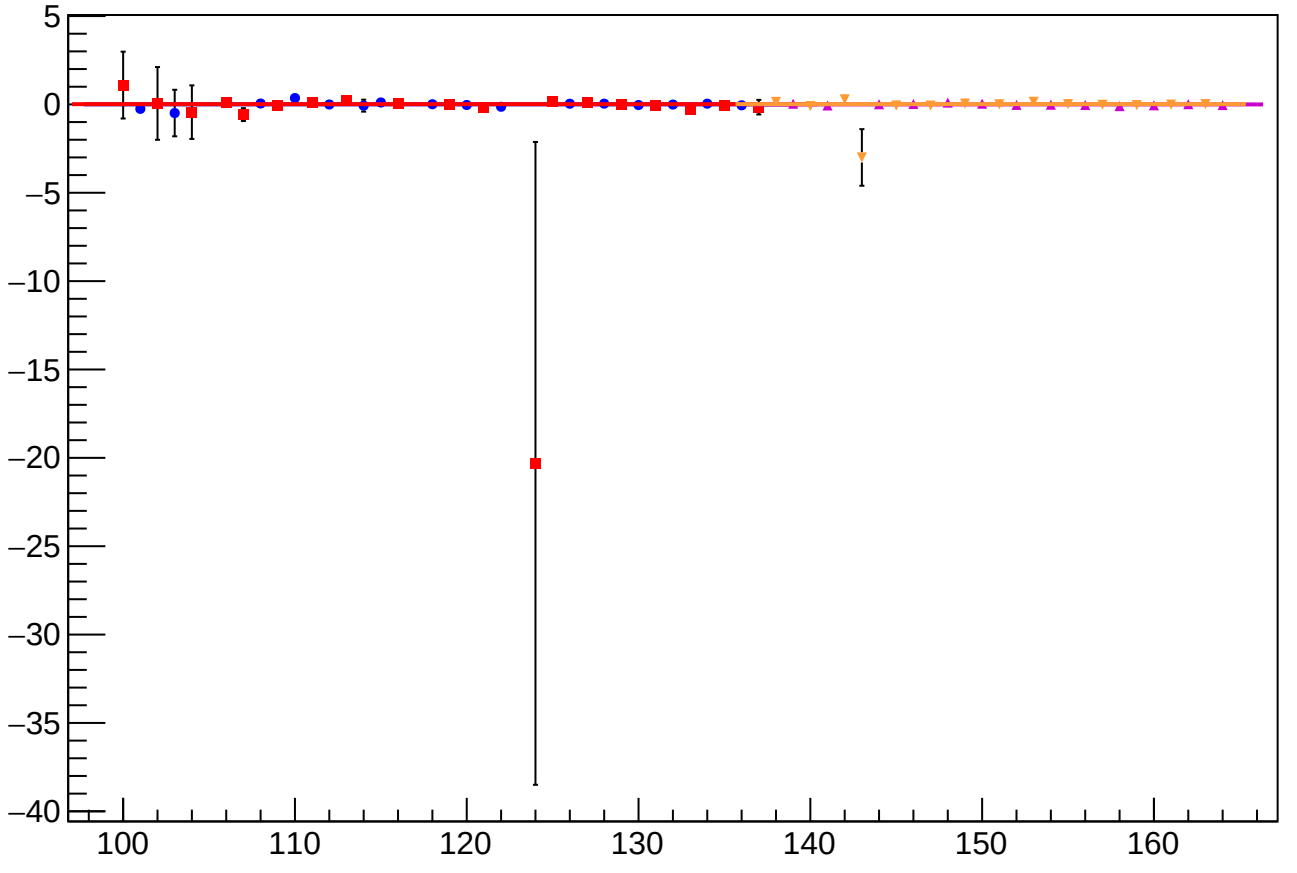
Left In: 0.000+/-0.000 χ^2/NDF:543121.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3530006.9/29

All: 0.000+/-0.000 χ^2/NDF: 6256276.3/61

- 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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

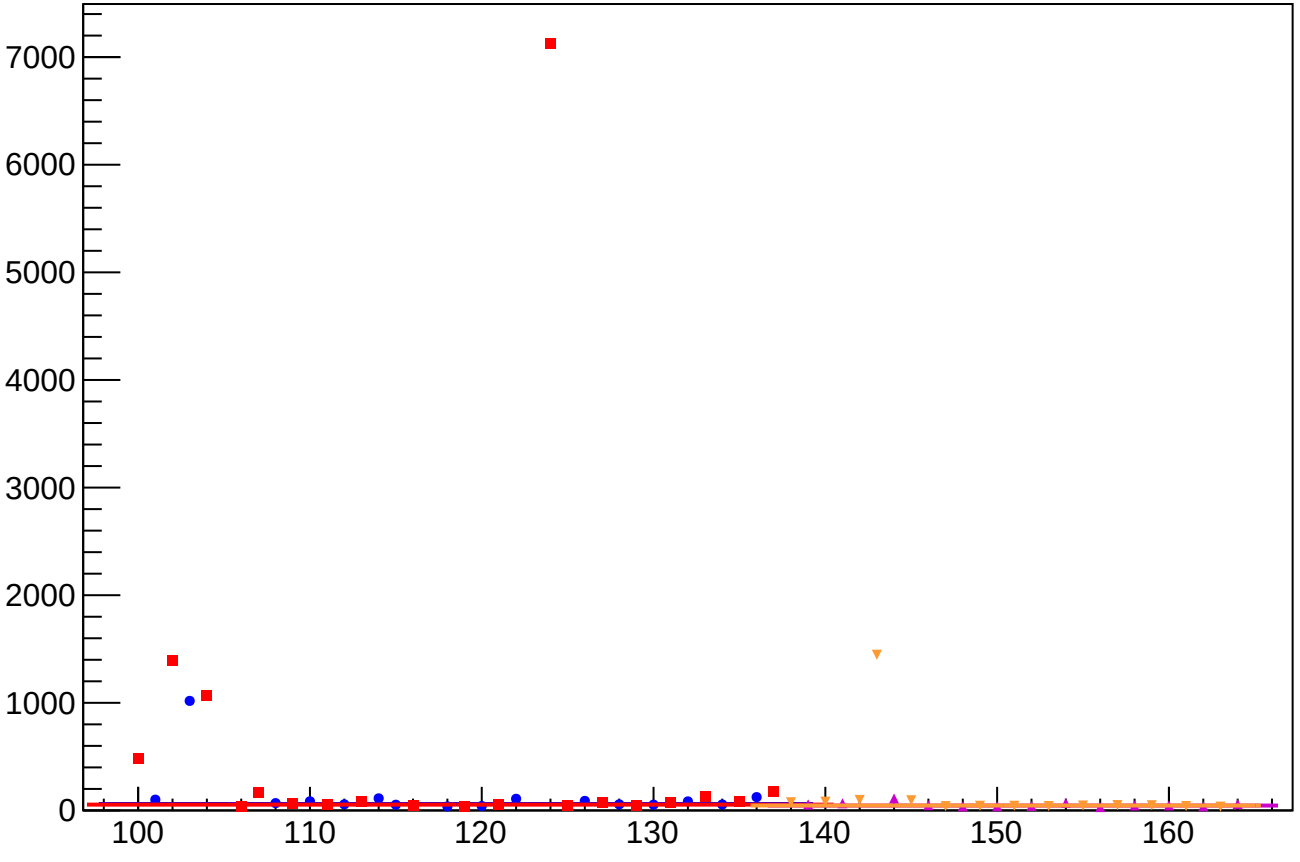
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.007+/-0.010 χ^2/NDF: 64.6/61

- 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: 46.159+/-0.011 χ^2/NDF:2815021.8/13

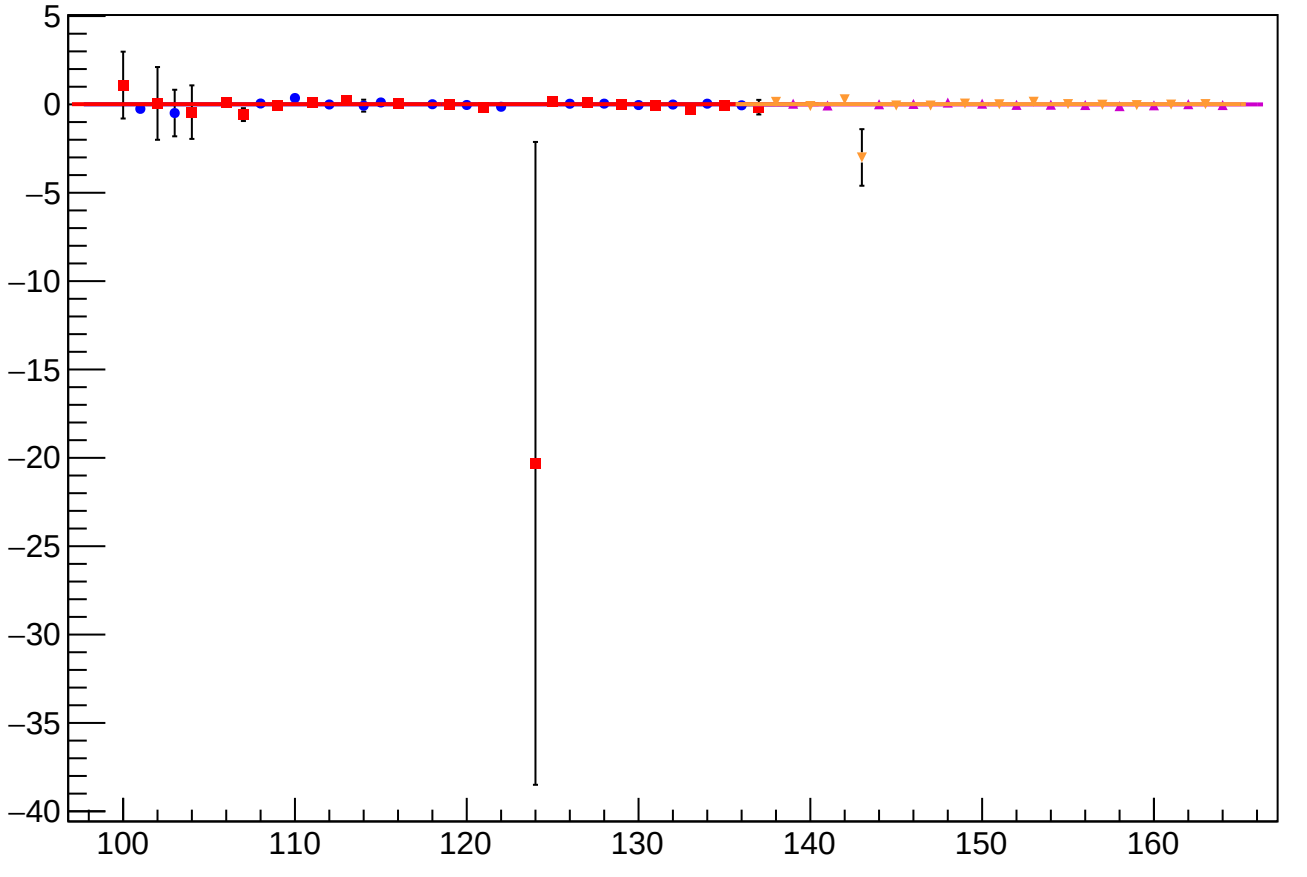
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

+ sign 49.806+/-0.010 χ^2/NDF: 5738477.8/29

All: 48.799+/-0.007 χ^2/NDF: 10867920.3/61

- 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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

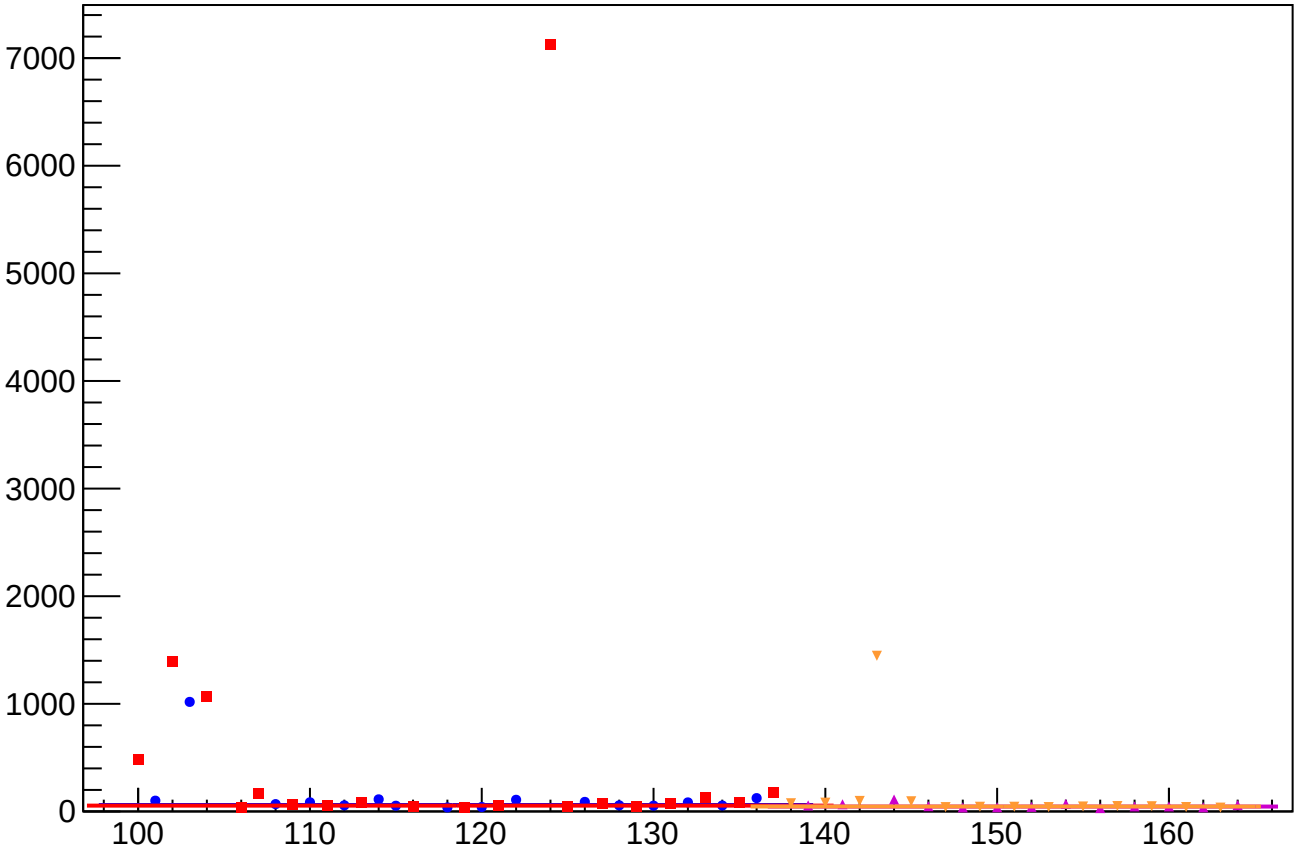
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.007+/-0.010 χ^2/NDF: 64.6/61

- 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: 46.159+/-0.011 χ^2/NDF:2815021.8/13

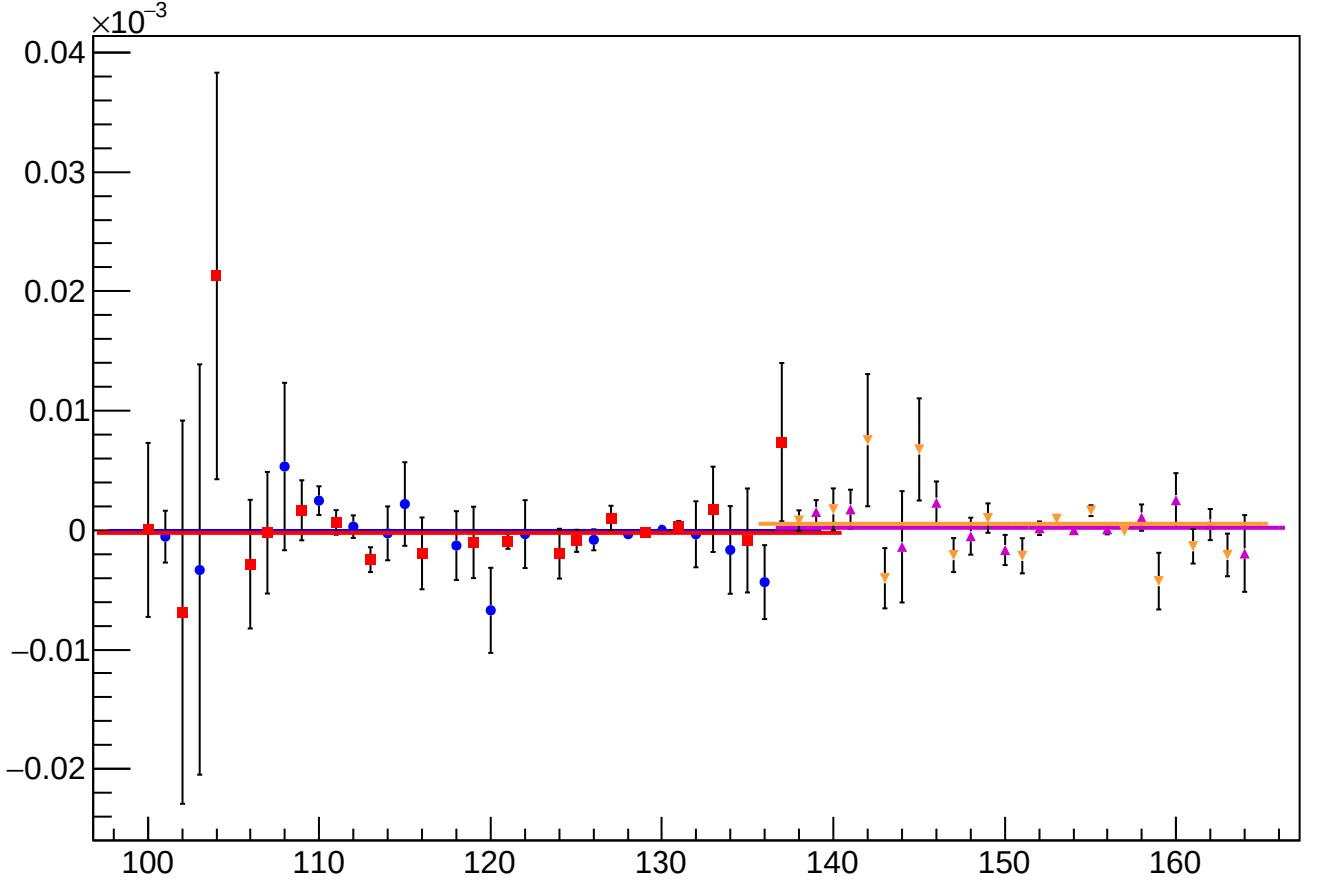
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

+ sign 49.806+/-0.010 χ^2/NDF: 5738477.8/29

All: 48.799+/-0.007 χ^2/NDF: 10867920.3/61

- 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:31.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

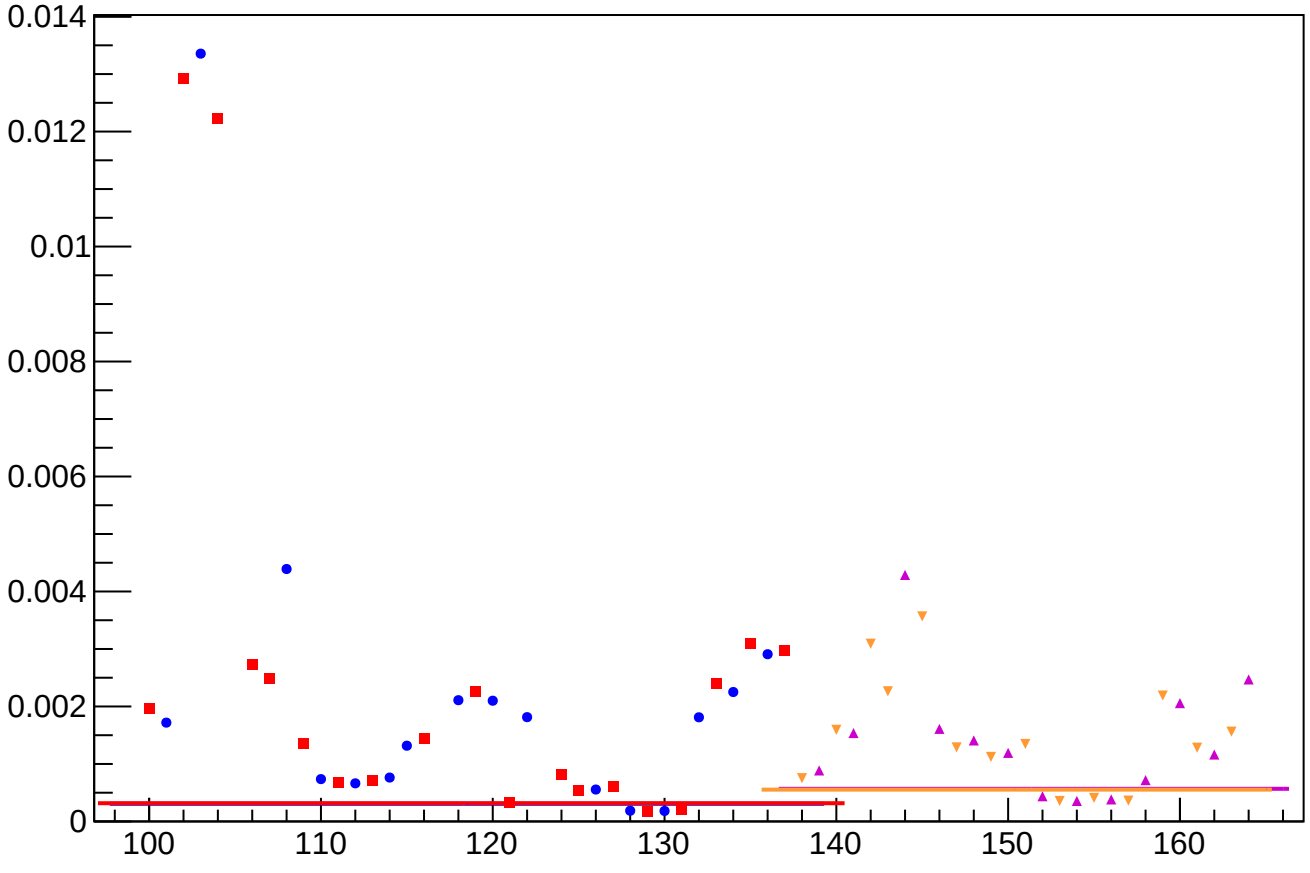
Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/29

All: 0.000+/-0.000 χ^2/NDF: 77.2/61

- 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:7997067.4/13

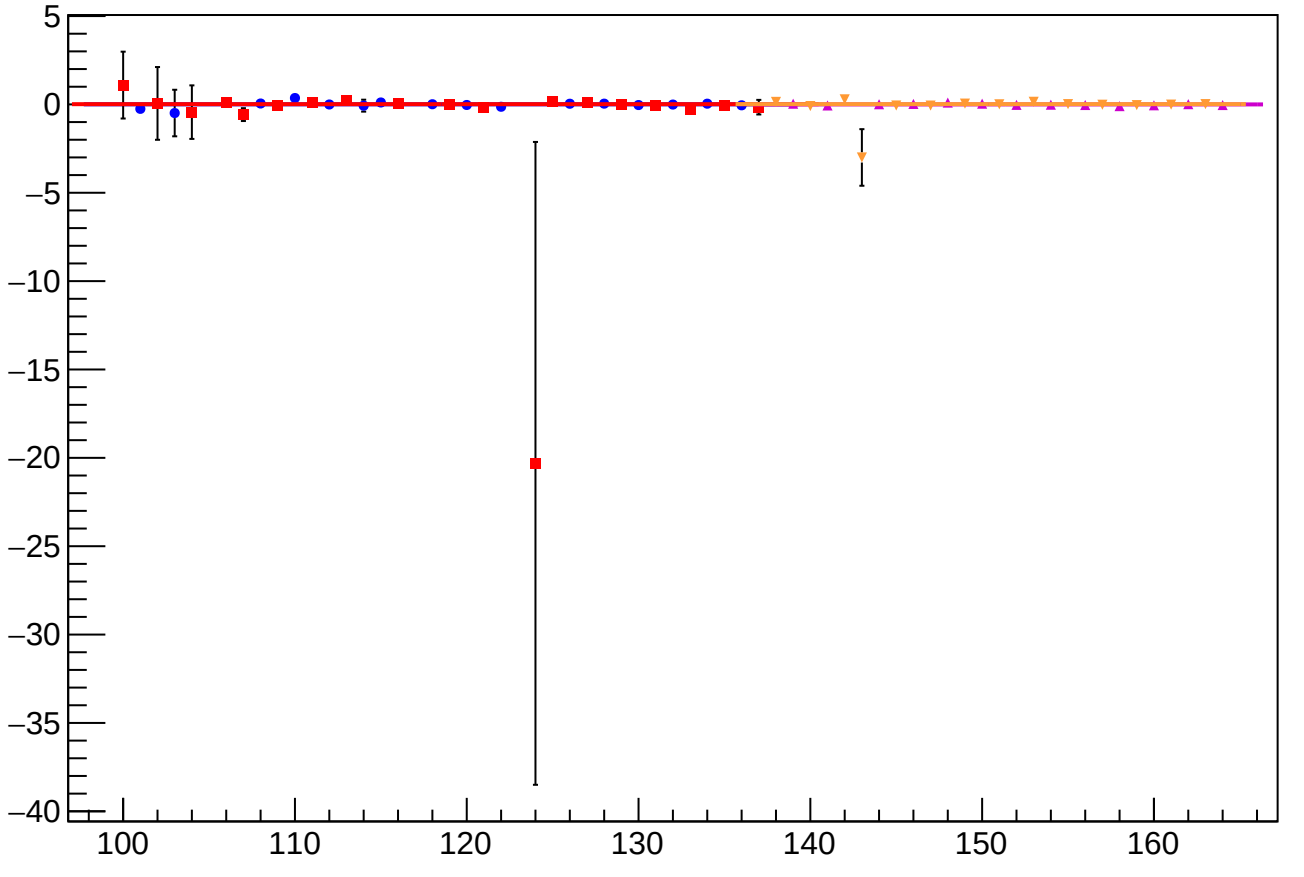
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7089781.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 18213704.9/29

All: 0.000+/-0.000 χ^2/NDF: 34764284.5/61

- 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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

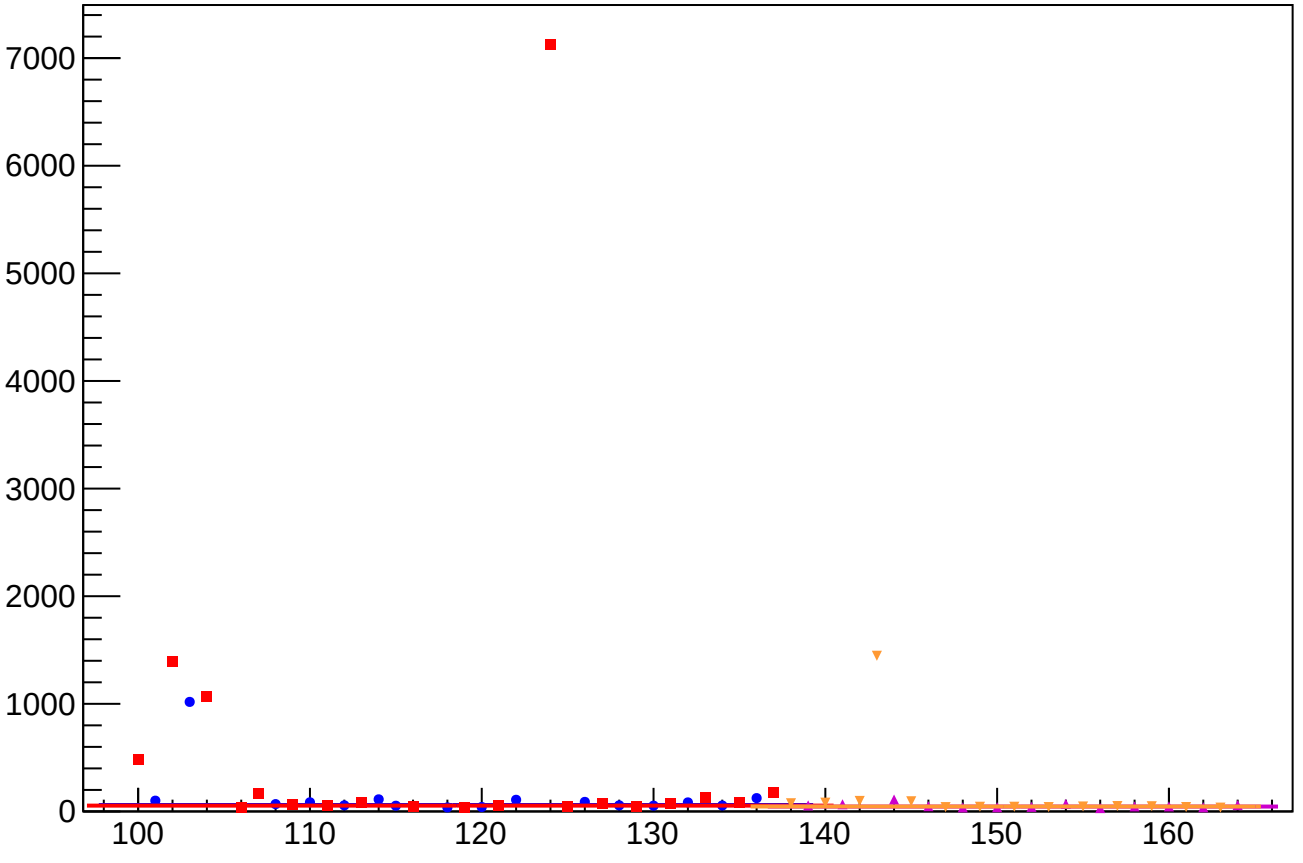
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.007+/-0.010 χ^2/NDF: 64.6/61

- 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: 46.159+/-0.011 χ^2/NDF:2815006.0/13

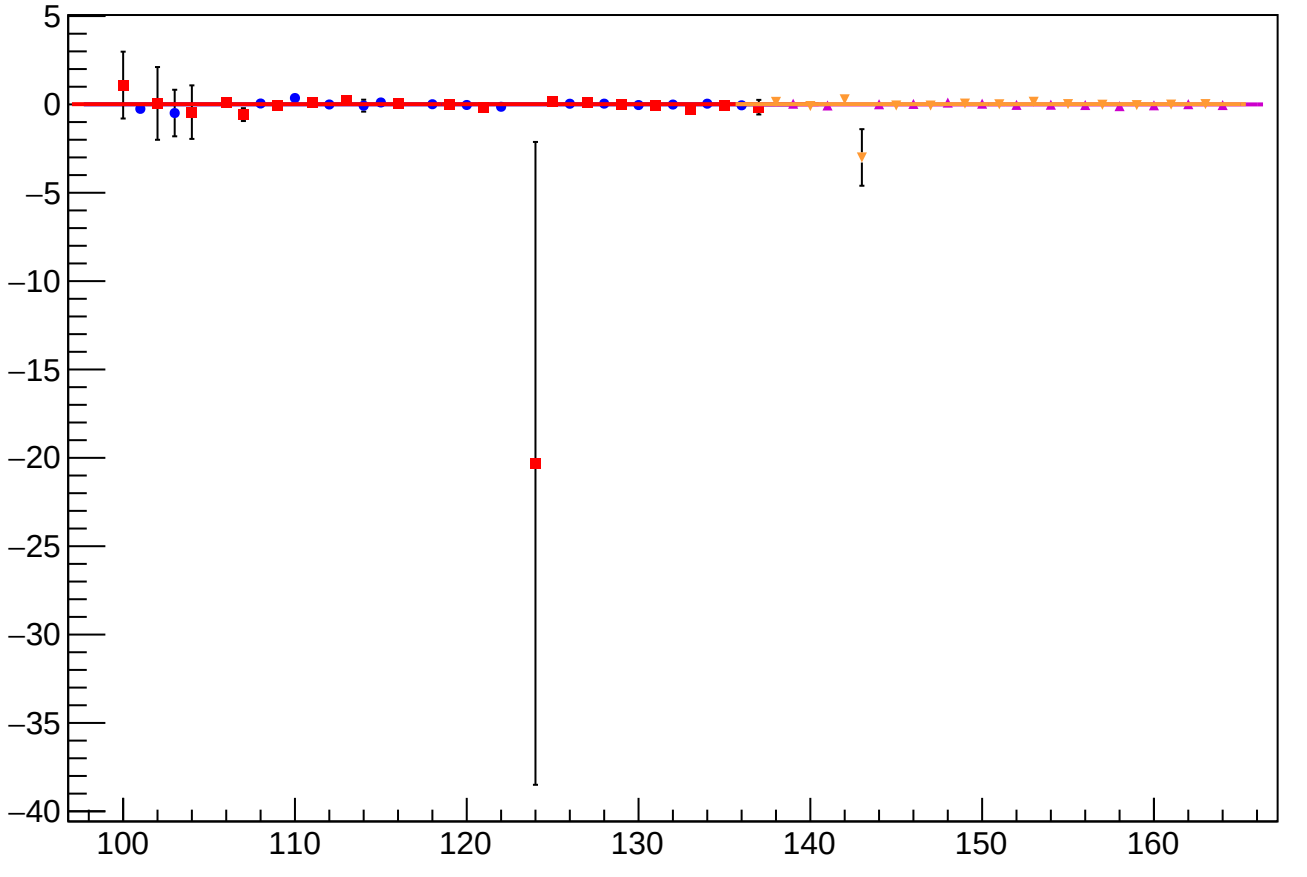
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

+ sign 49.806+/-0.010 χ^2/NDF: 5738454.8/29

All: 48.799+/-0.007 χ^2/NDF: 10867930.7/61

- 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: 0.014+/-0.016 χ^2/NDF:22.7/13

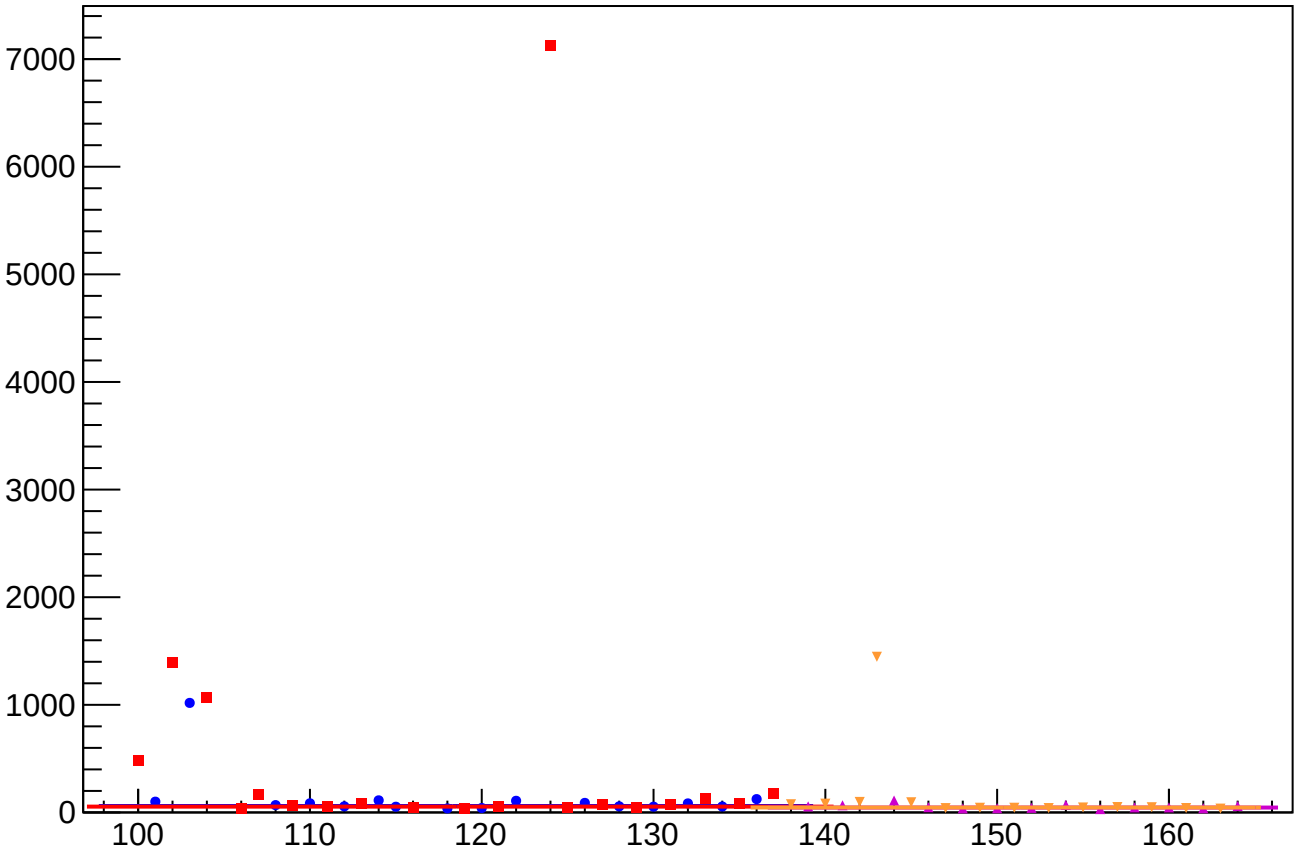
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.007+/-0.010 χ^2/NDF: 64.6/61

- 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: 46.159+/-0.011 χ^2/NDF:2815006.0/13

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

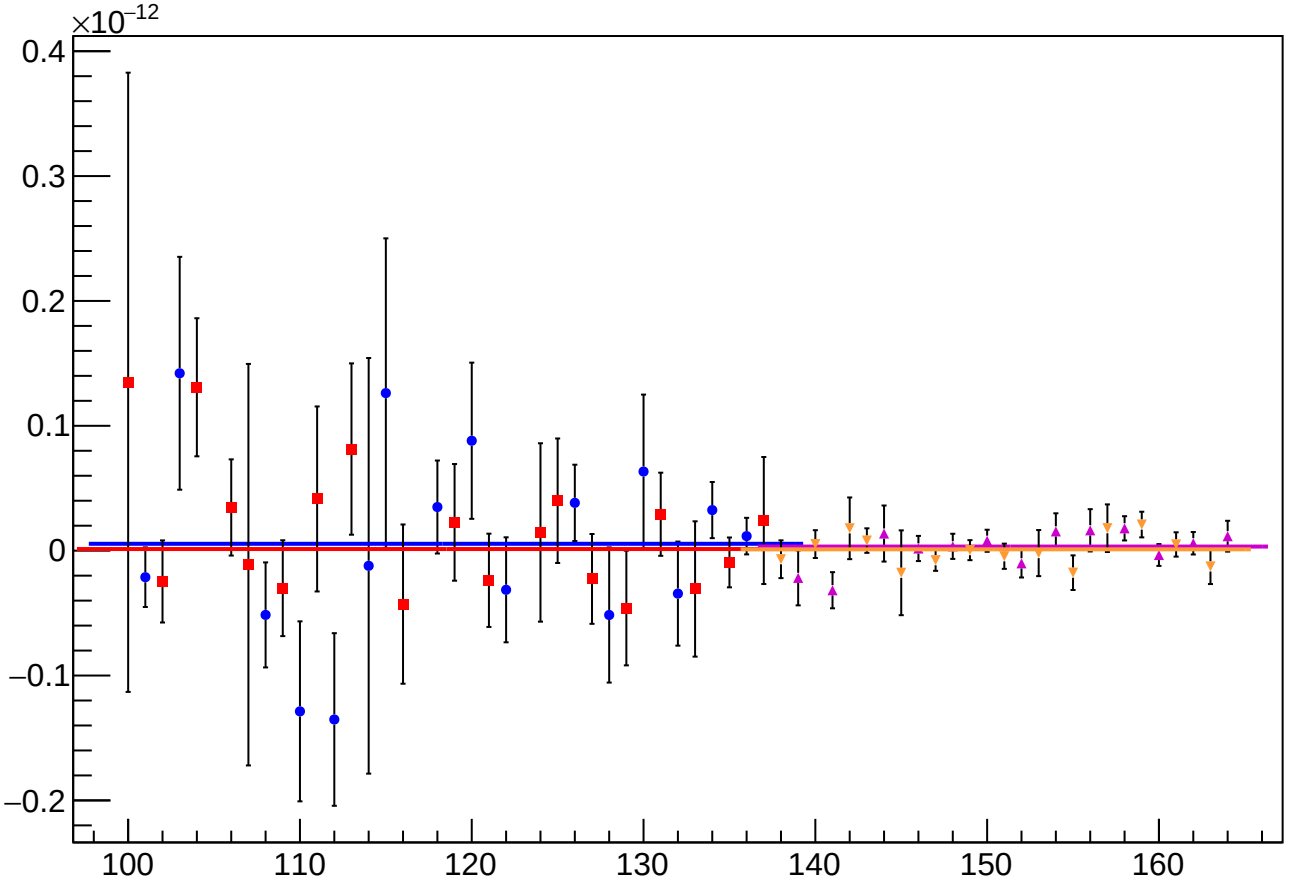
Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

+ sign 49.806+/-0.010 χ^2/NDF: 5738454.8/29

All: 48.799+/-0.007 χ^2/NDF: 10867930.7/61

- 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:10.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

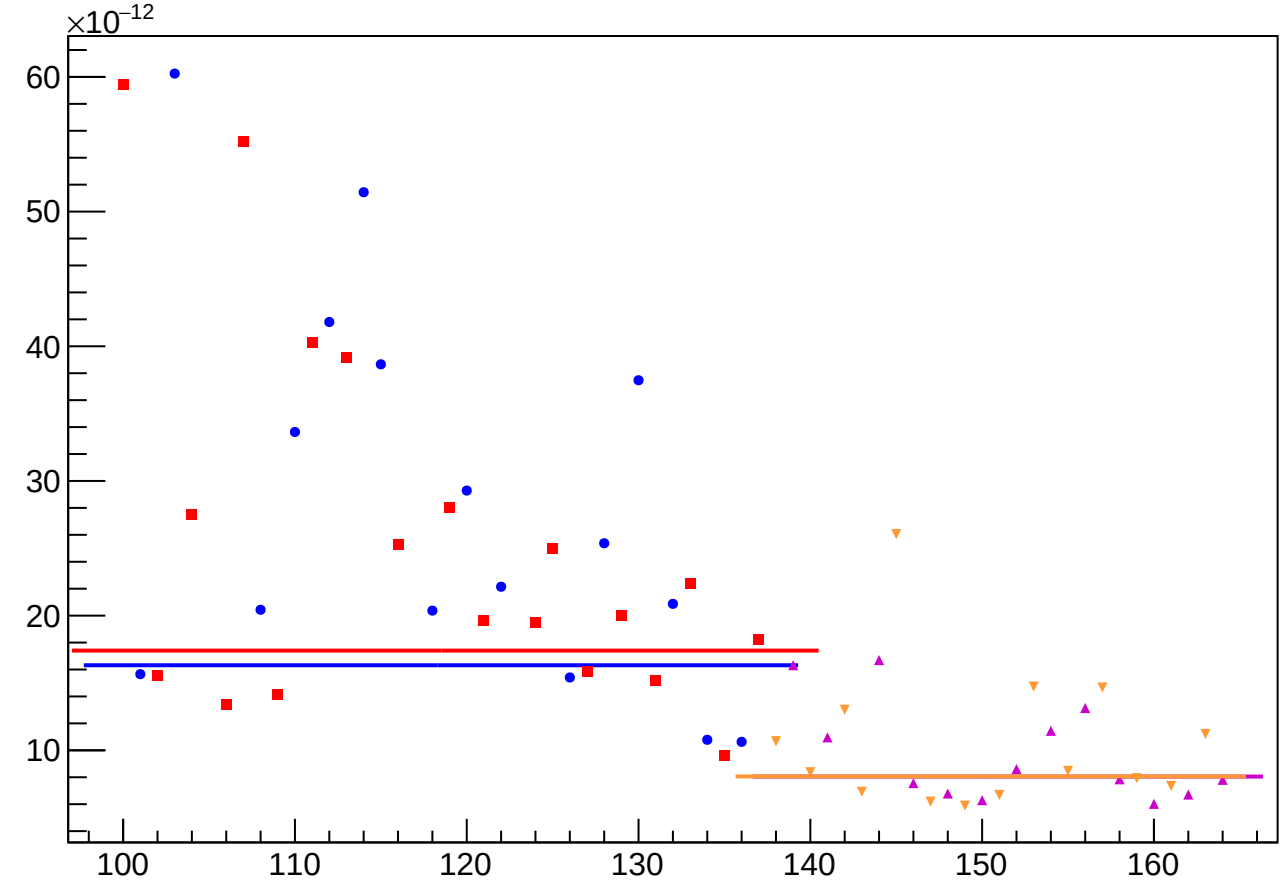
Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/29

All: 0.000+/-0.000 χ^2/NDF: 61.6/61

- sign 0.000+/-0.000 χ^2/NDF: 28.1/31

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1624561.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

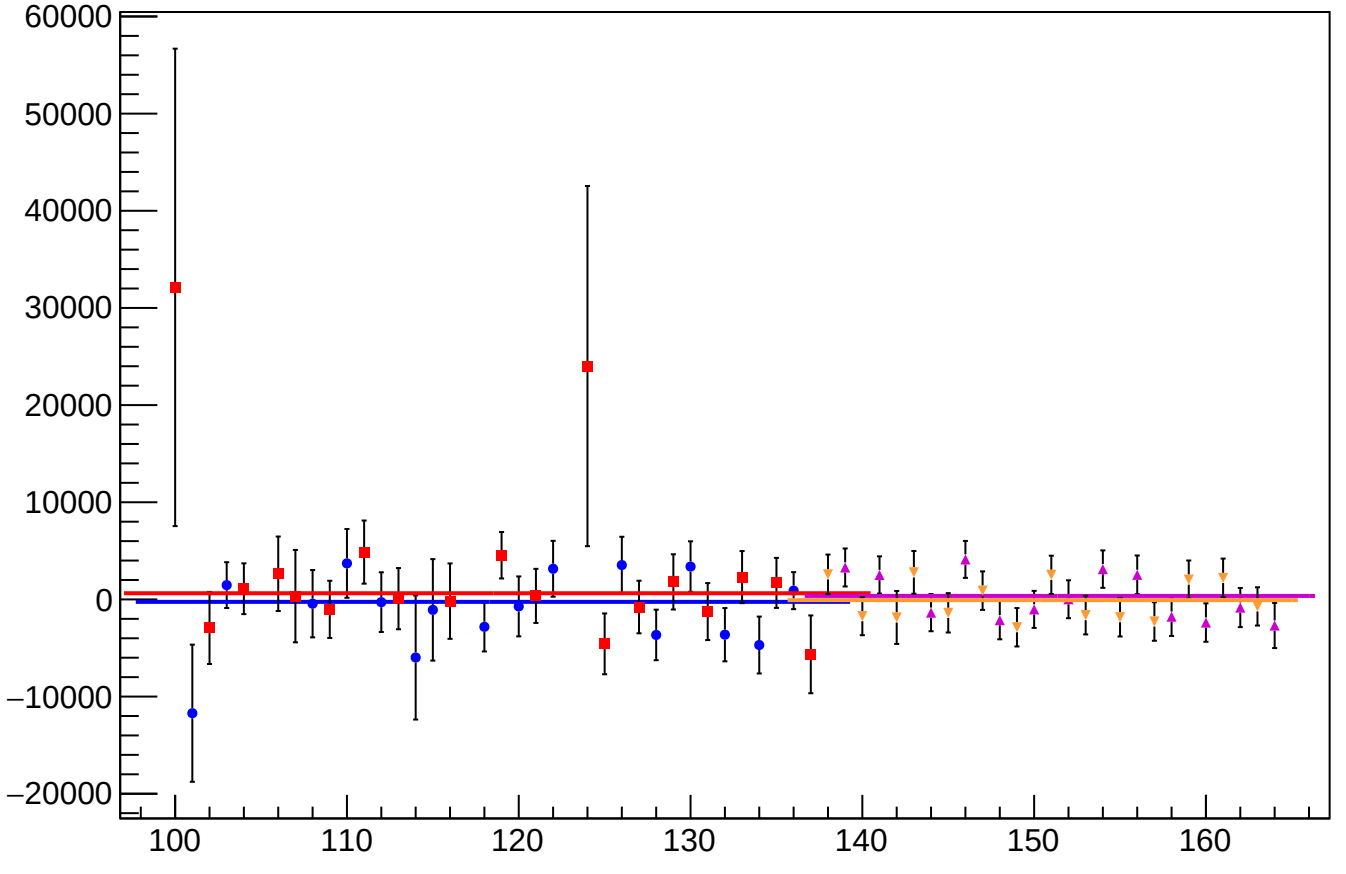
Left In: 0.000+/-0.000 χ^2/NDF:1223265.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 5128176.9/29

All: 0.000+/-0.000 χ^2/NDF: 9206727.7/61

- 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: -72.265+/-543.586 χ^2/NDF:14.1/13

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

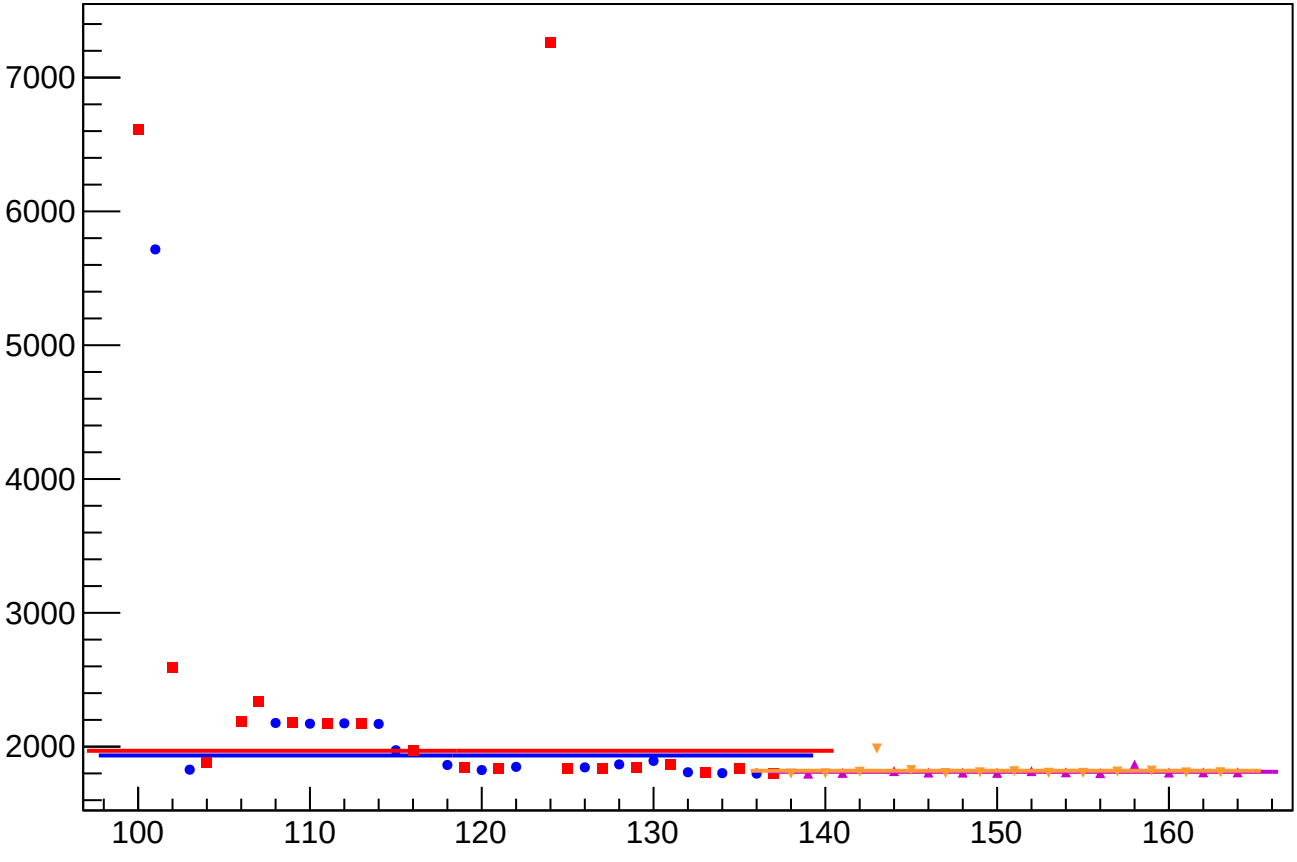
Left In: 359.217+/-547.098 χ^2/NDF:18.8/12

+ sign -135.554+/-437.070 χ^2/NDF: 31.4/29

All: 159.860+/-309.724 χ^2/NDF: 67.1/61

- 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: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

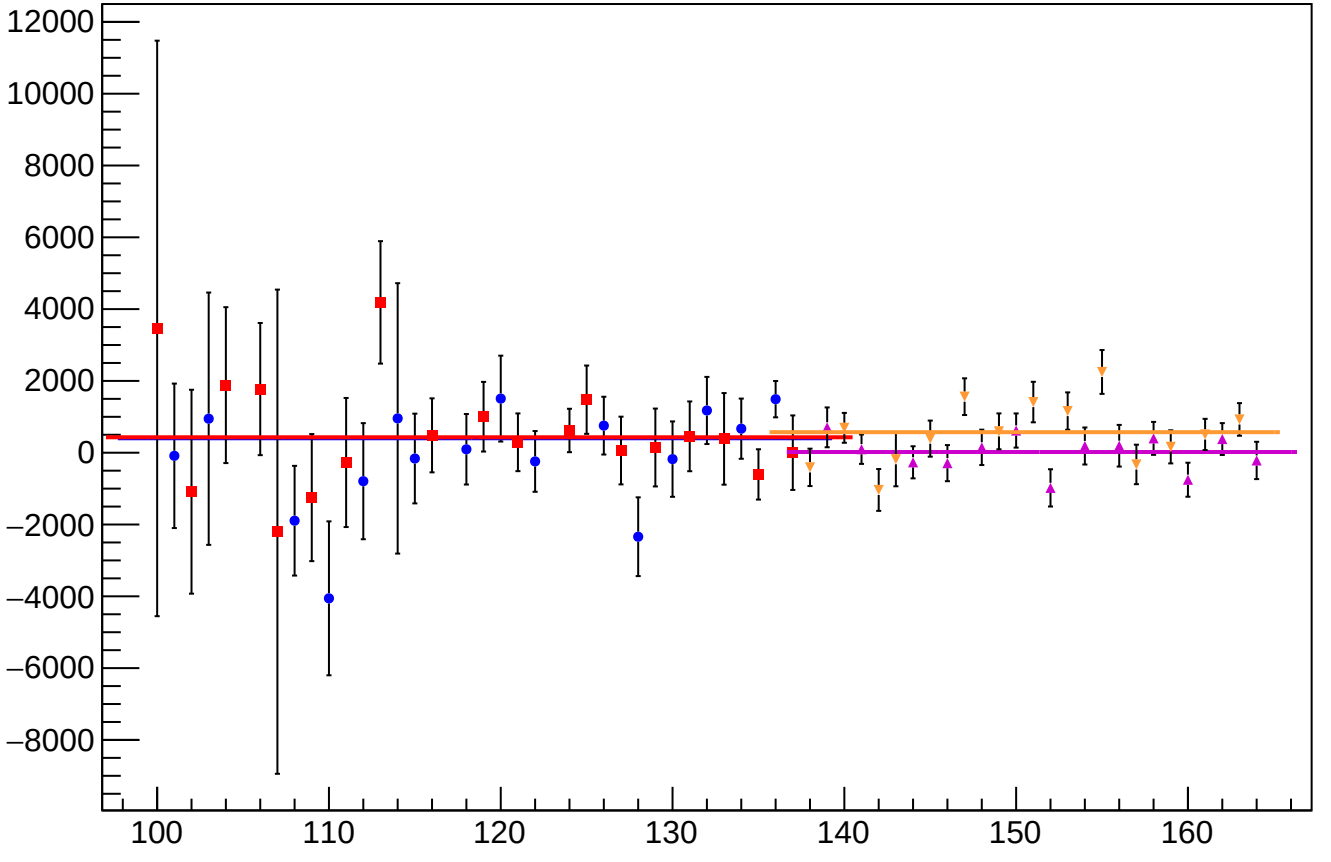
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.2/29

All: 1864.213+/-0.219 χ^2/NDF: 1122761.4/61

- 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: 571.994+/-136.549 χ^2/NDF:31.3/13

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

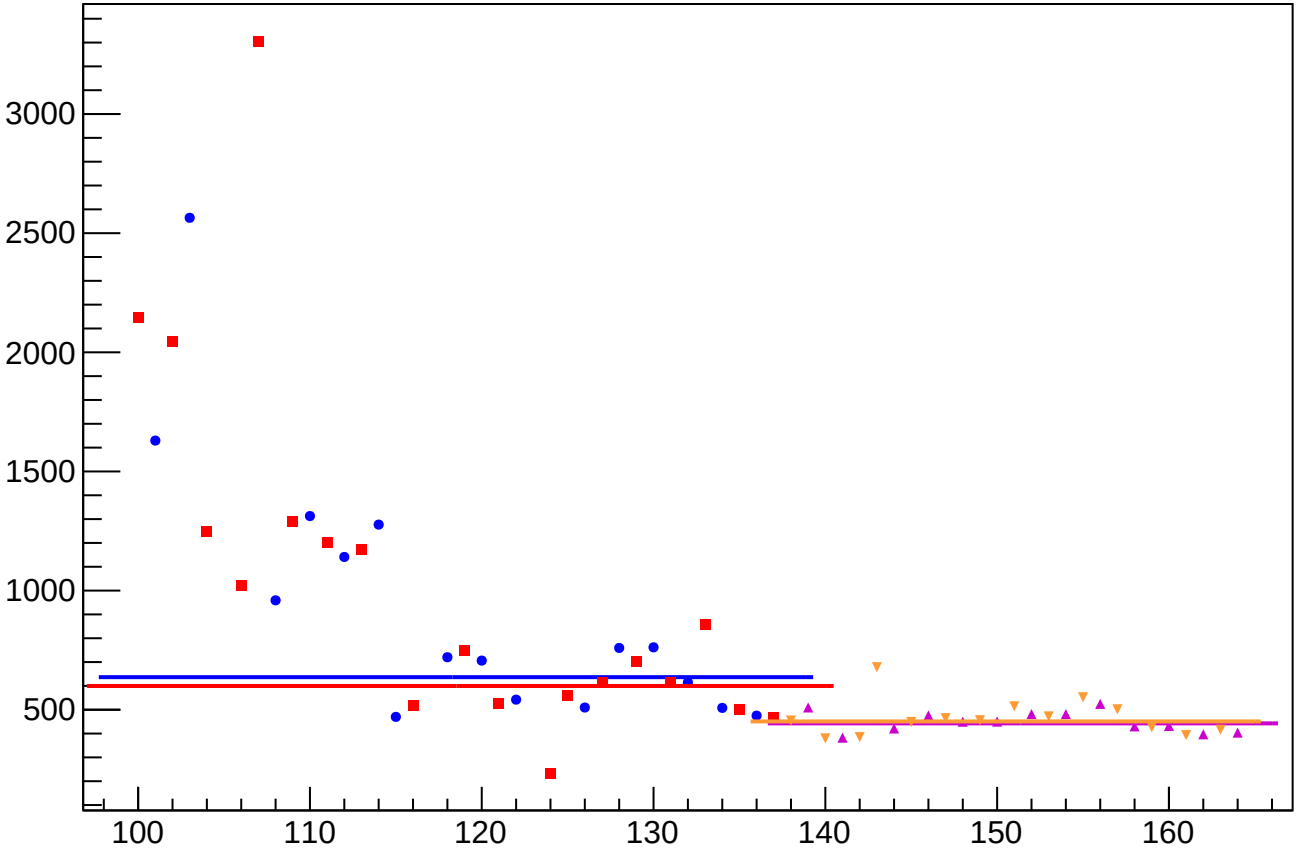
Left In: 19.383+/-134.667 χ^2/NDF:12.1/12

\+ sign 535.061+/-120.746 χ^2/NDF: 52.7/29

All: 319.256+/-84.705 χ^2/NDF: 84.9/61

\- 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: 450.860+/-0.097 χ^2/NDF:421101.1/13

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

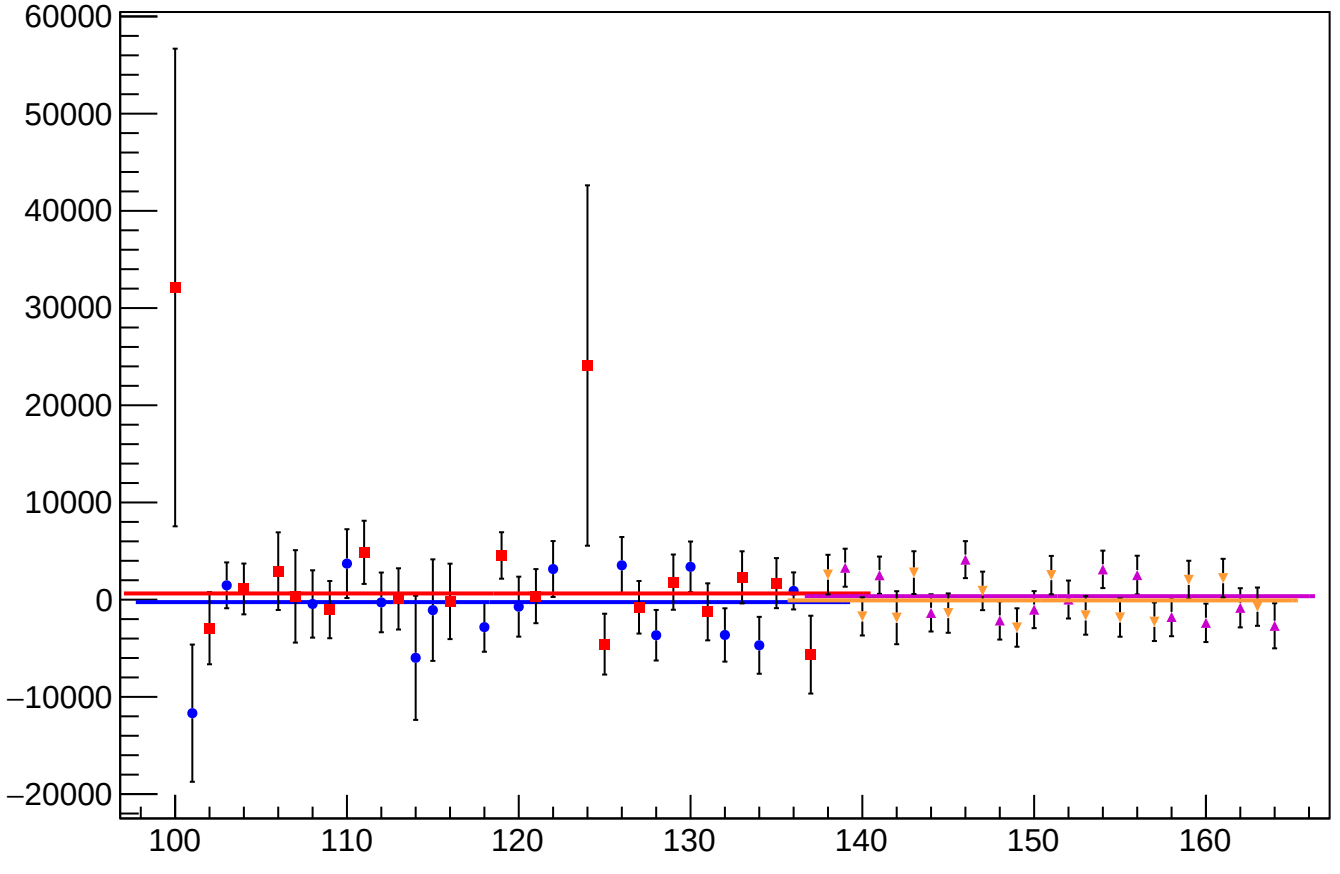
Left In: 442.717+/-0.095 χ^2/NDF:183533.8/12

+ sign 491.384+/-0.085 χ^2/NDF: 3295807.0/29

All: 484.280+/-0.060 χ^2/NDF: 7037209.2/61

- 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: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

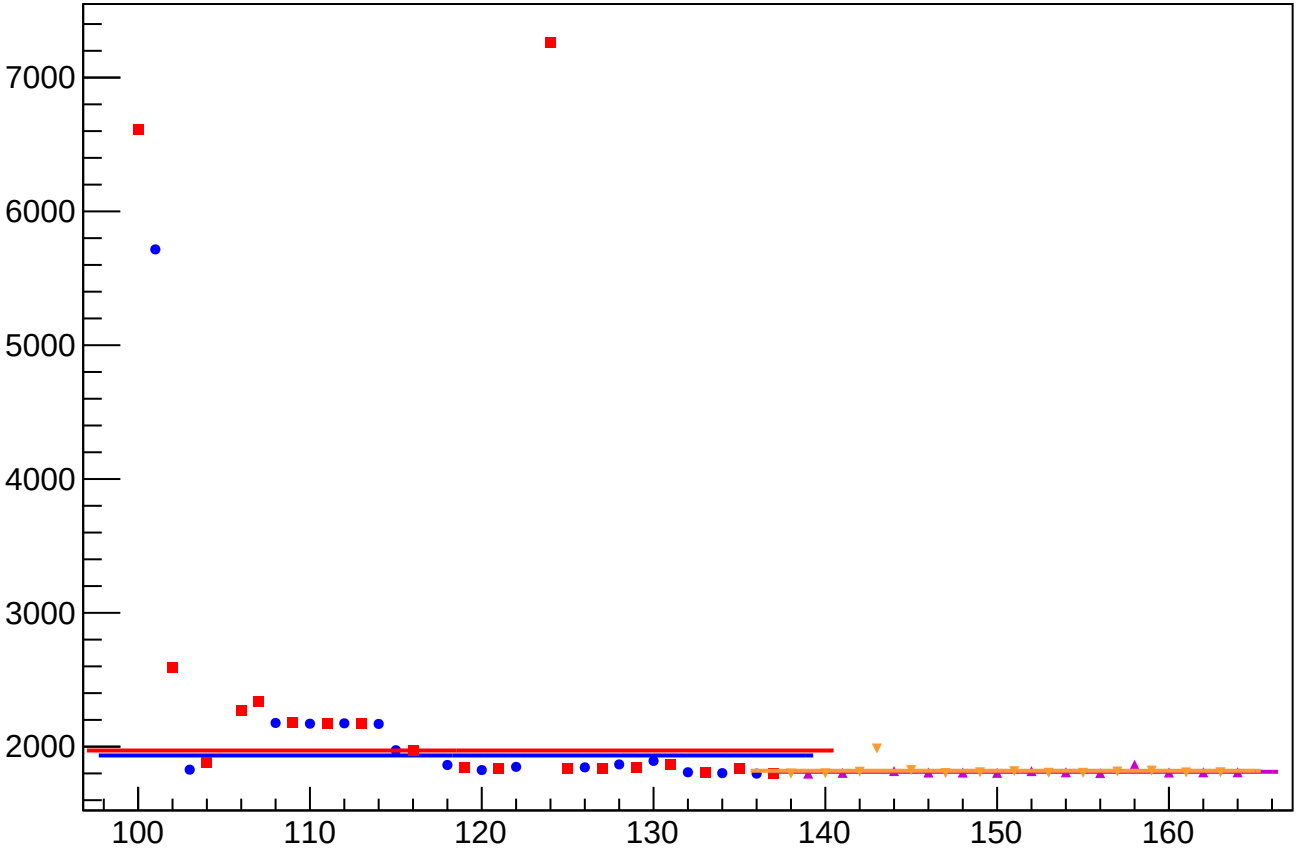
Left In: 359.184+/-547.098 χ^2/NDF:18.8/12

+ sign -135.307+/-437.070 χ^2/NDF: 31.4/29

All: 160.573+/-309.804 χ^2/NDF: 67.1/61

- 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: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

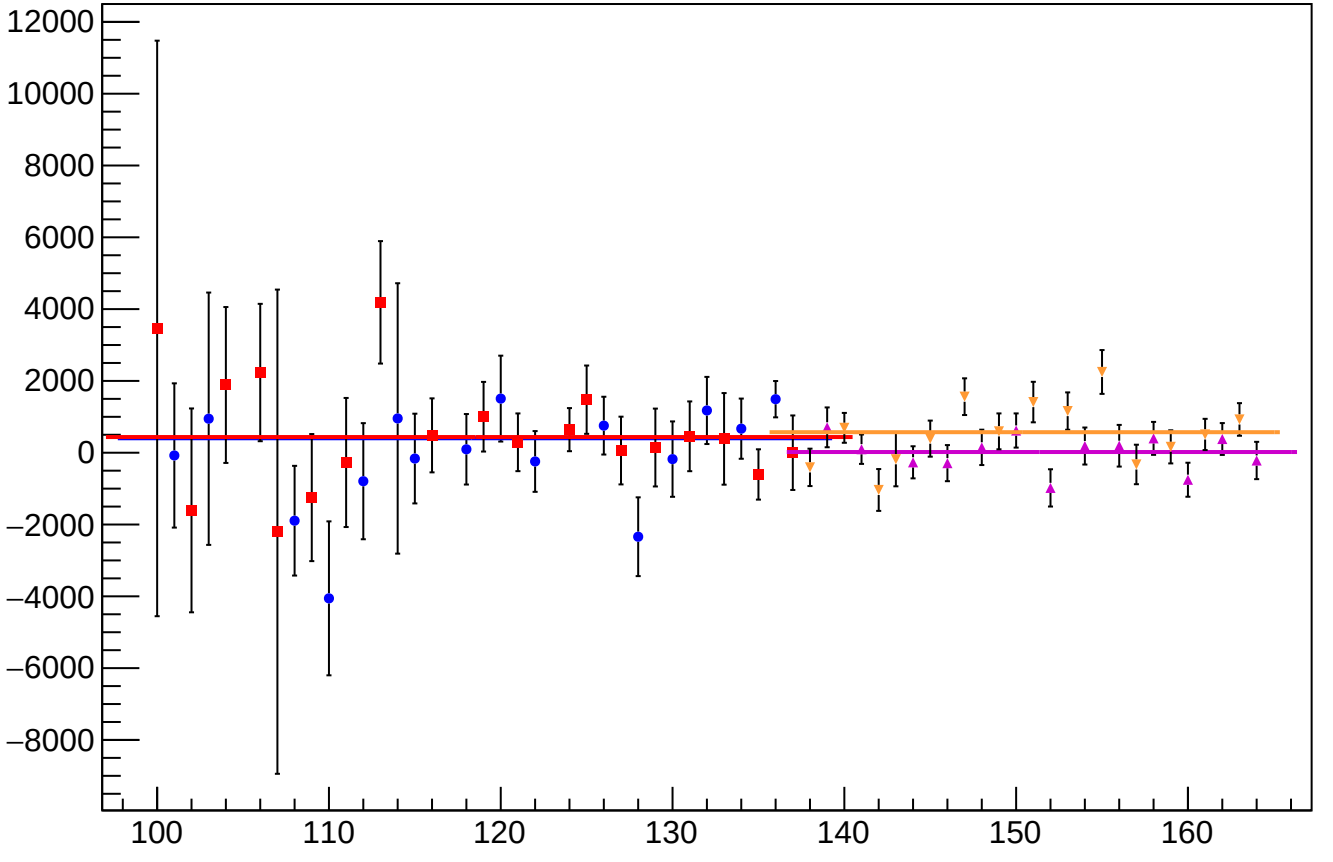
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.1/29

All: 1864.540+/-0.219 χ^2/NDF: 1129121.9/61

- 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: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

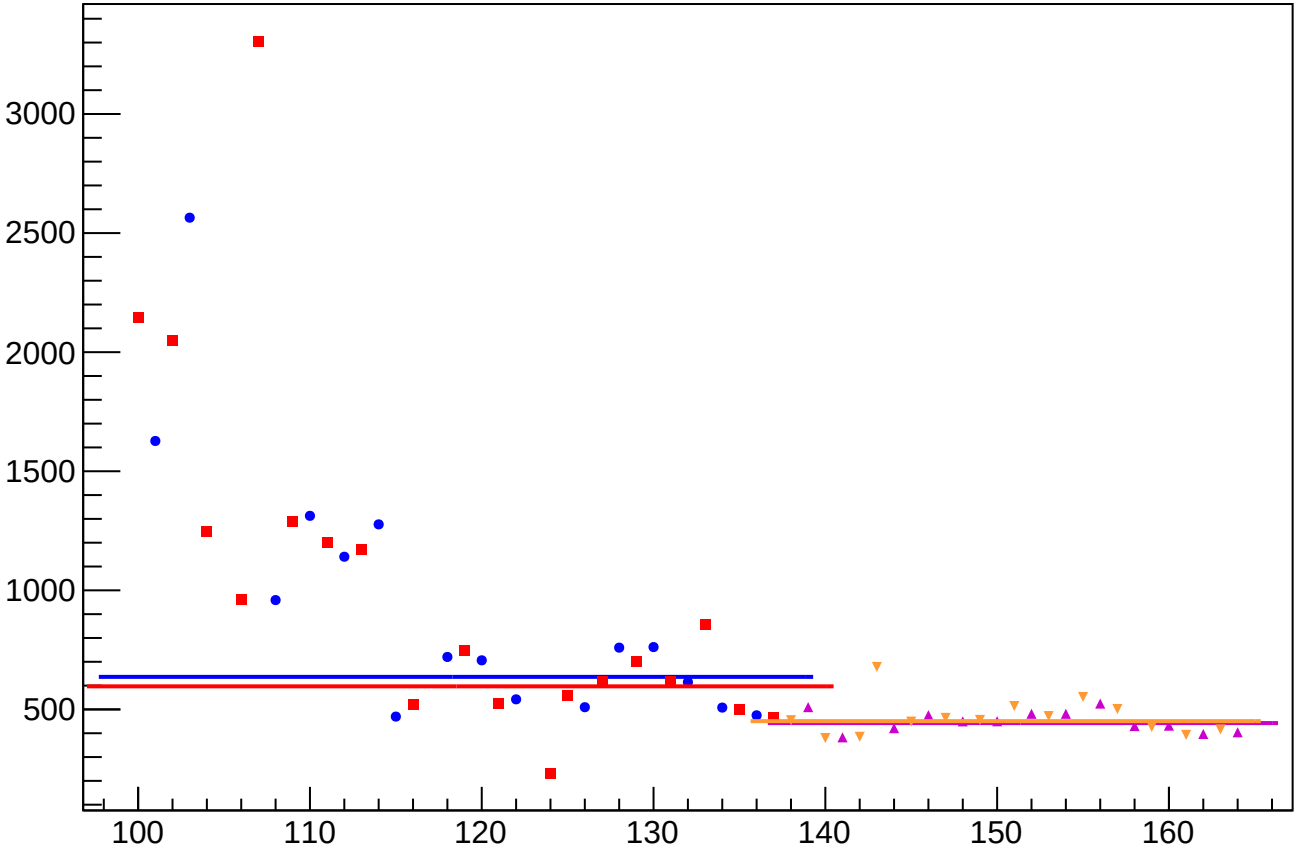
Left In: 19.384+/-134.666 χ^2/NDF:12.1/12

+ sign 535.028+/-120.745 χ^2/NDF: 52.7/29

All: 320.000+/-84.699 χ^2/NDF: 85.6/61

- 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: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

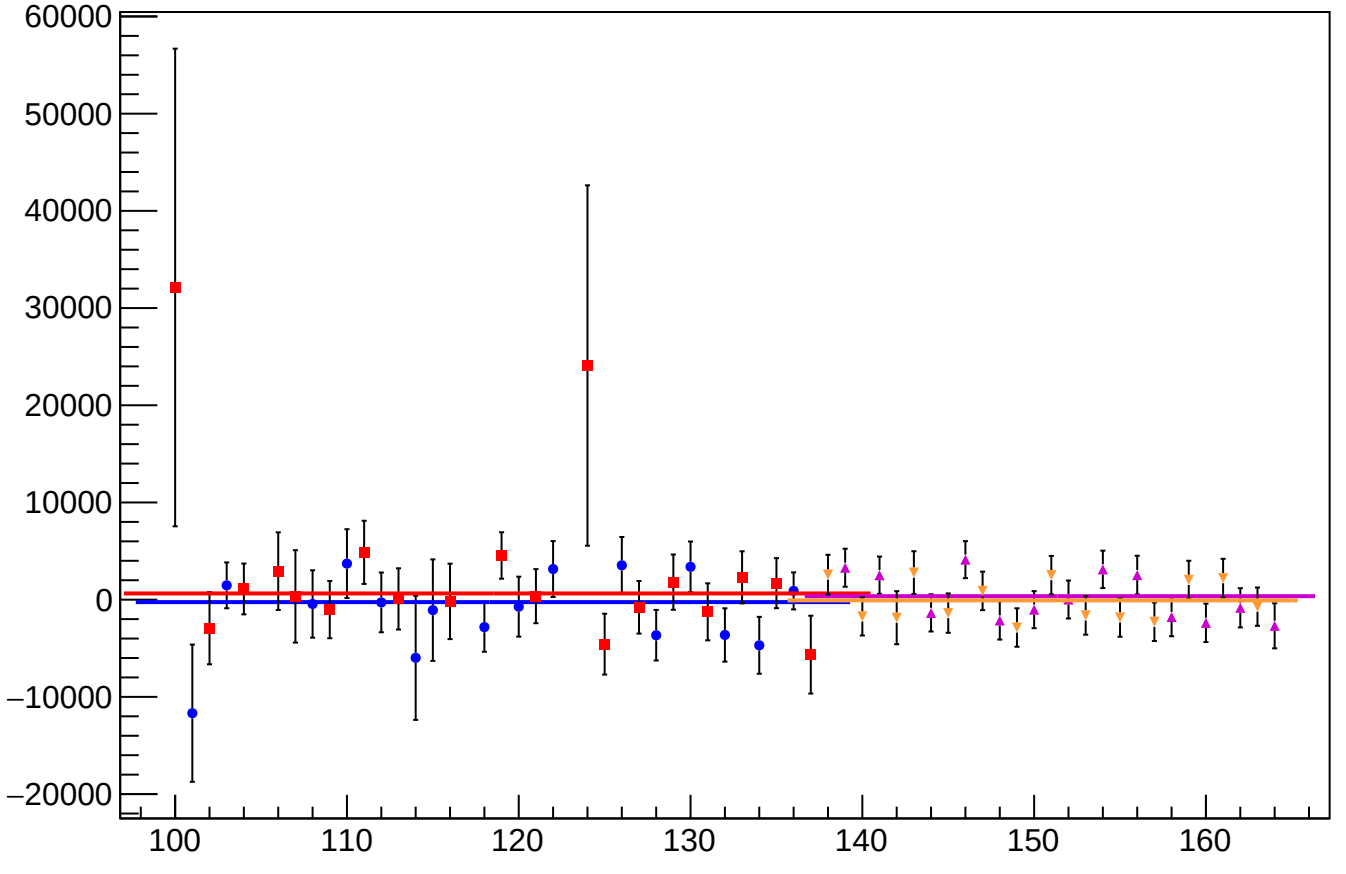
Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

+ sign 491.385+/-0.085 χ^2/NDF: 3294972.2/29

All: 483.984+/-0.060 χ^2/NDF: 7003435.9/61

- 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: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

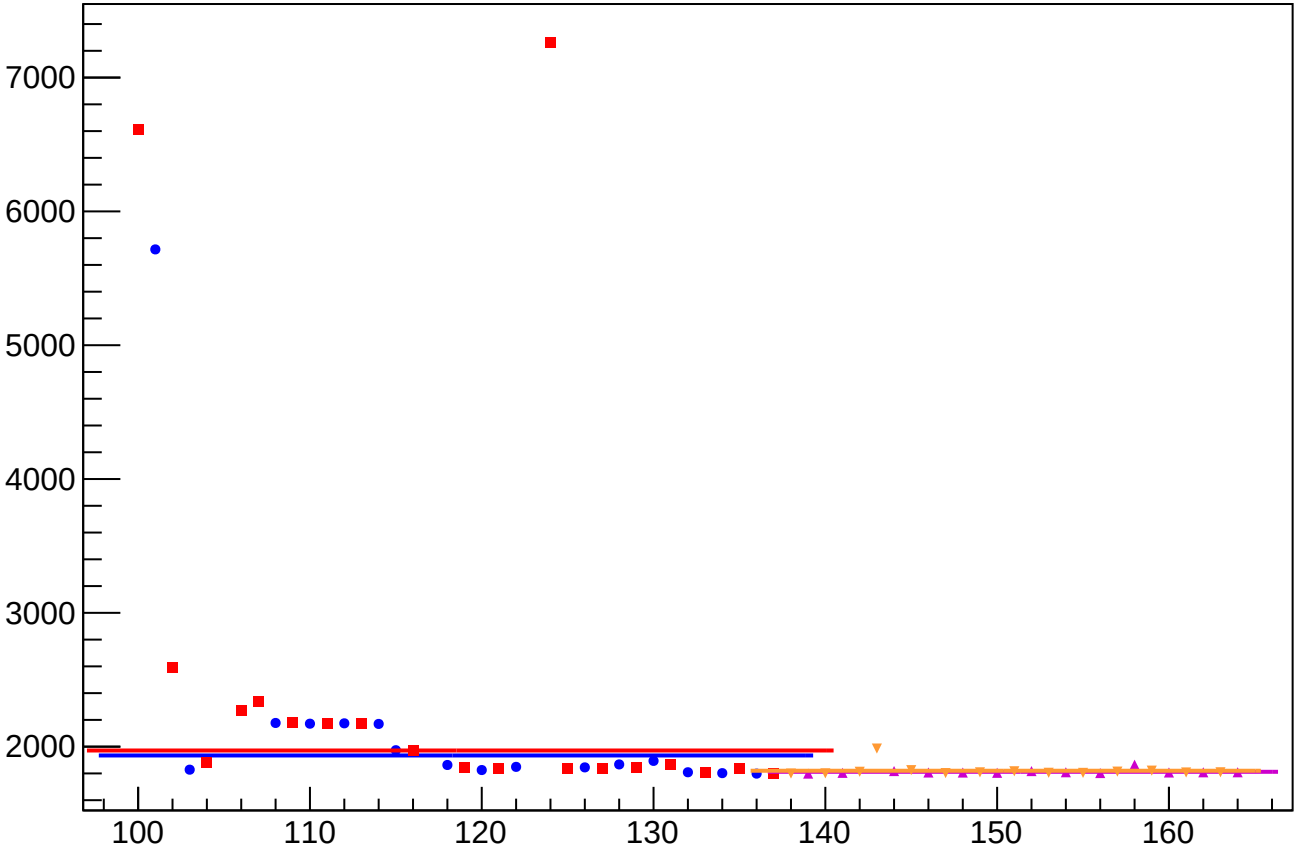
Left In: 359.184+/-547.098 χ^2/NDF:18.8/12

+ sign -135.307+/-437.070 χ^2/NDF: 31.4/29

All: 160.573+/-309.804 χ^2/NDF: 67.1/61

- 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: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

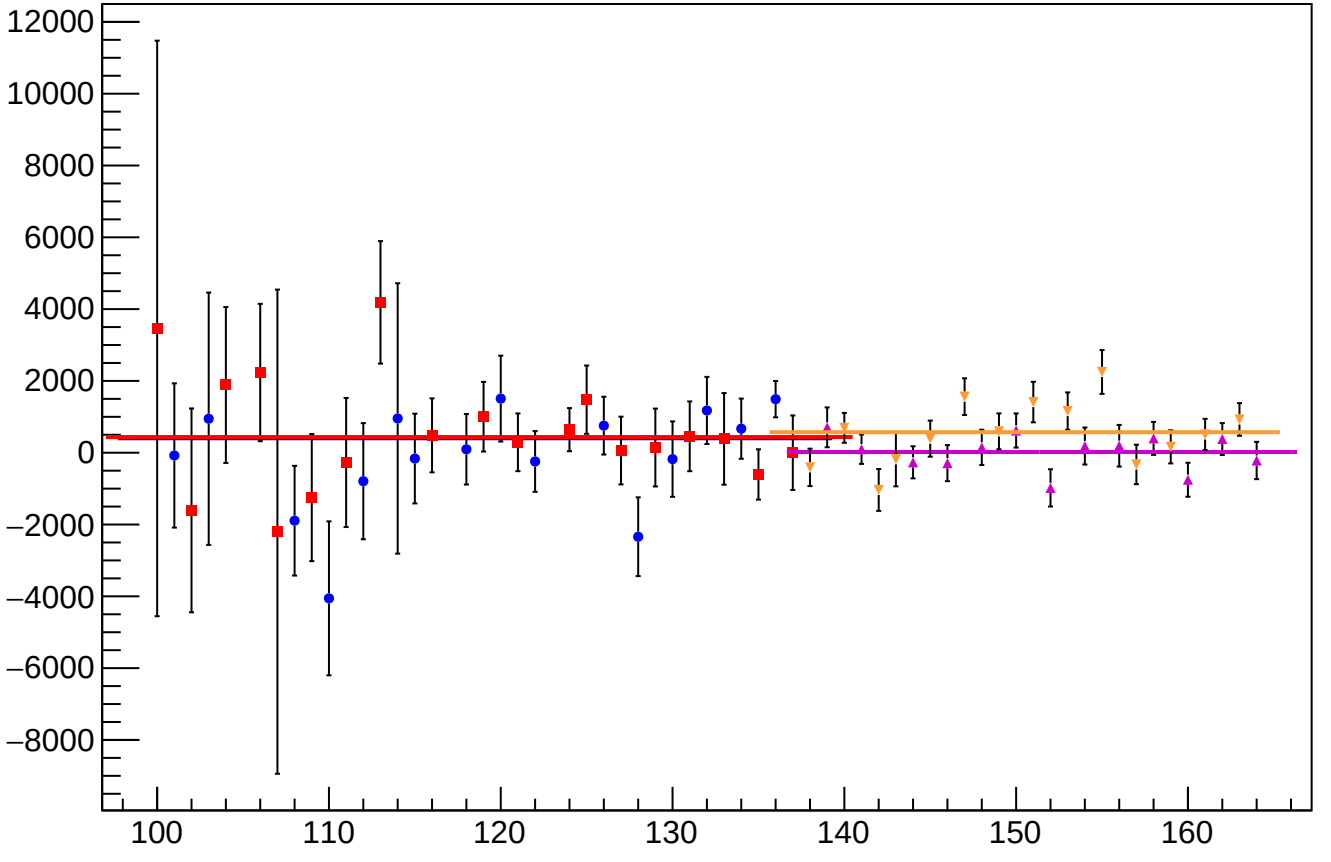
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.1/29

All: 1864.540+/-0.219 χ^2/NDF: 1129121.9/61

- 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: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

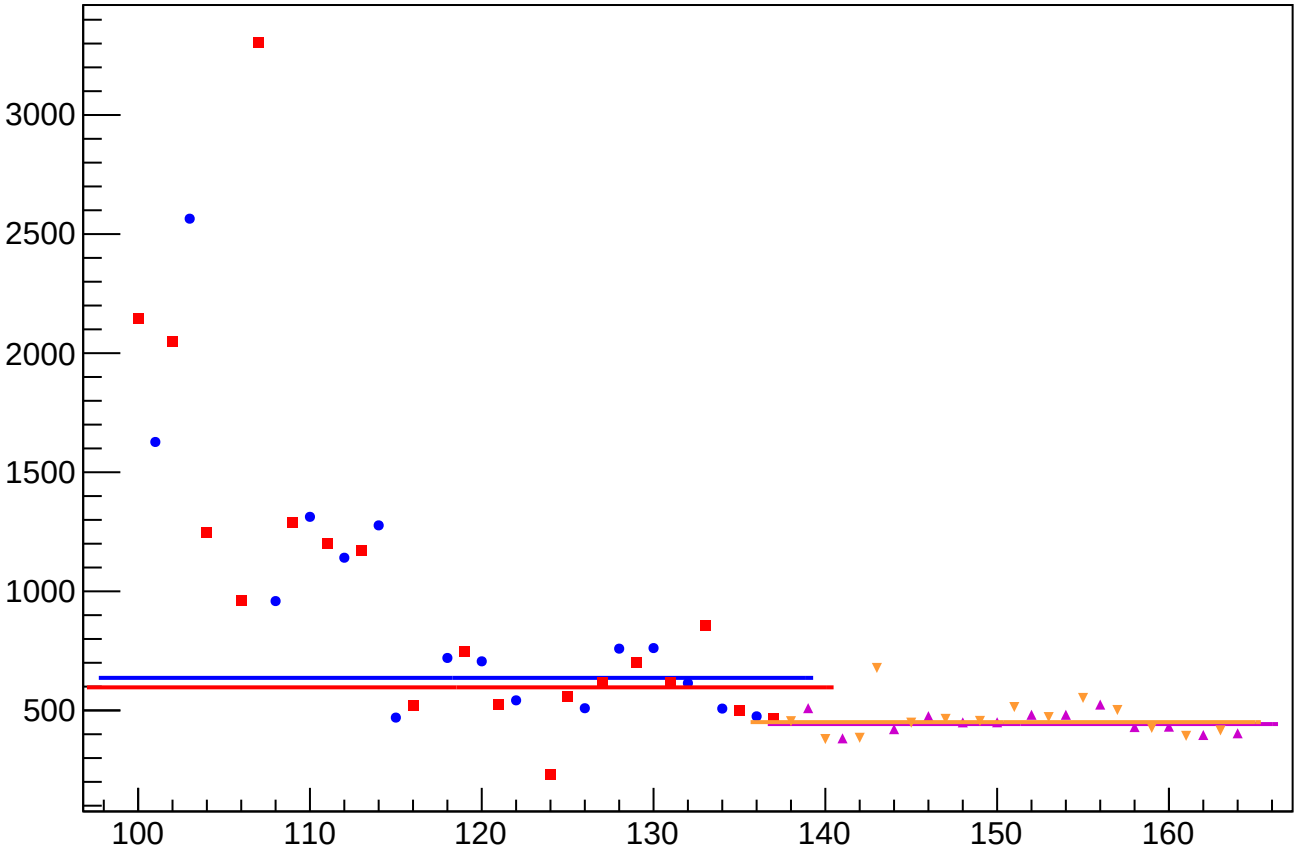
Left In: 19.384+/-134.666 χ^2/NDF:12.1/12

+ sign 535.028+/-120.745 χ^2/NDF: 52.7/29

All: 320.000+/-84.699 χ^2/NDF: 85.6/61

- 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: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

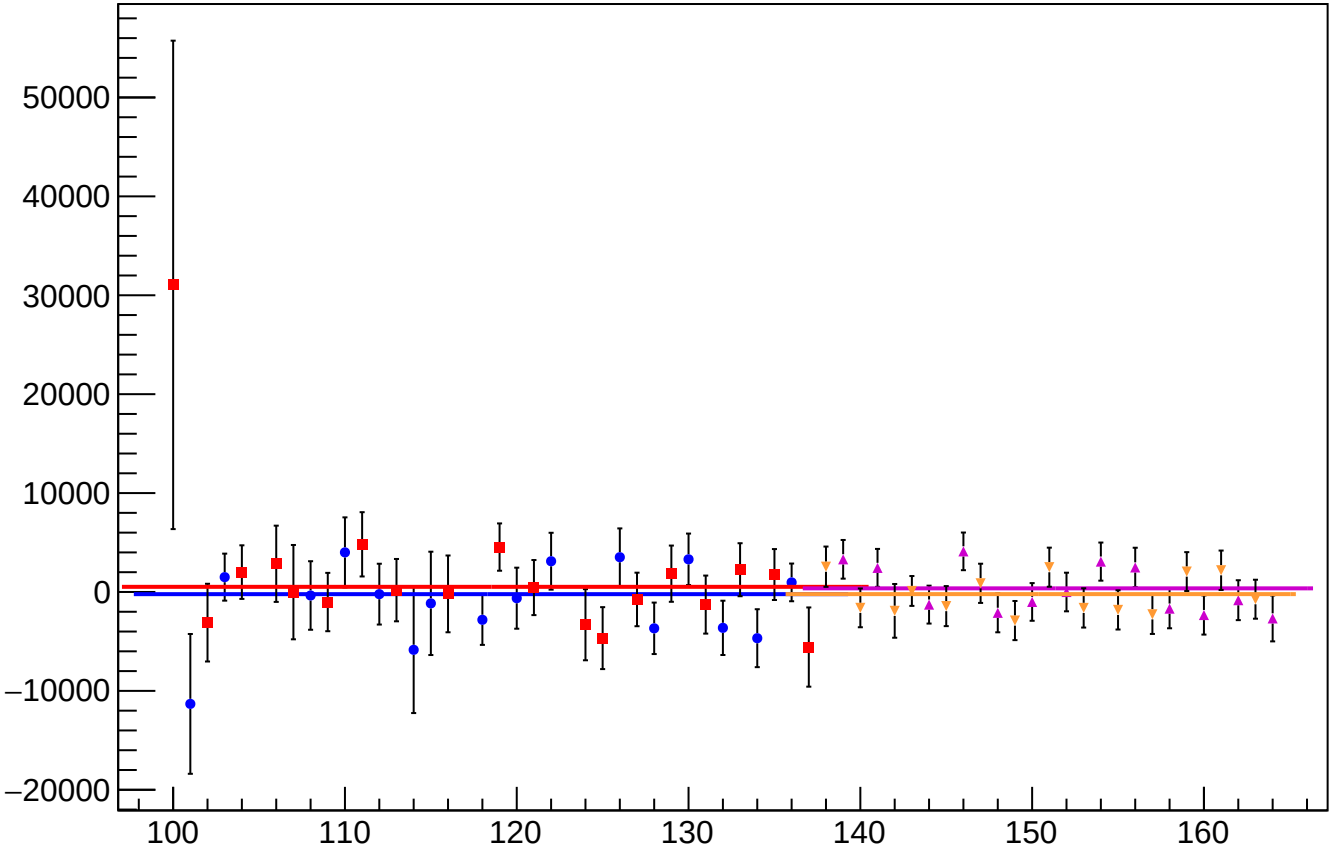
Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

+ sign 491.385+/-0.085 χ^2/NDF: 3294972.2/29

All: 483.984+/-0.060 χ^2/NDF: 7003435.9/61

- 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: -216.364+/-525.946 χ^2/NDF:12.3/13

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

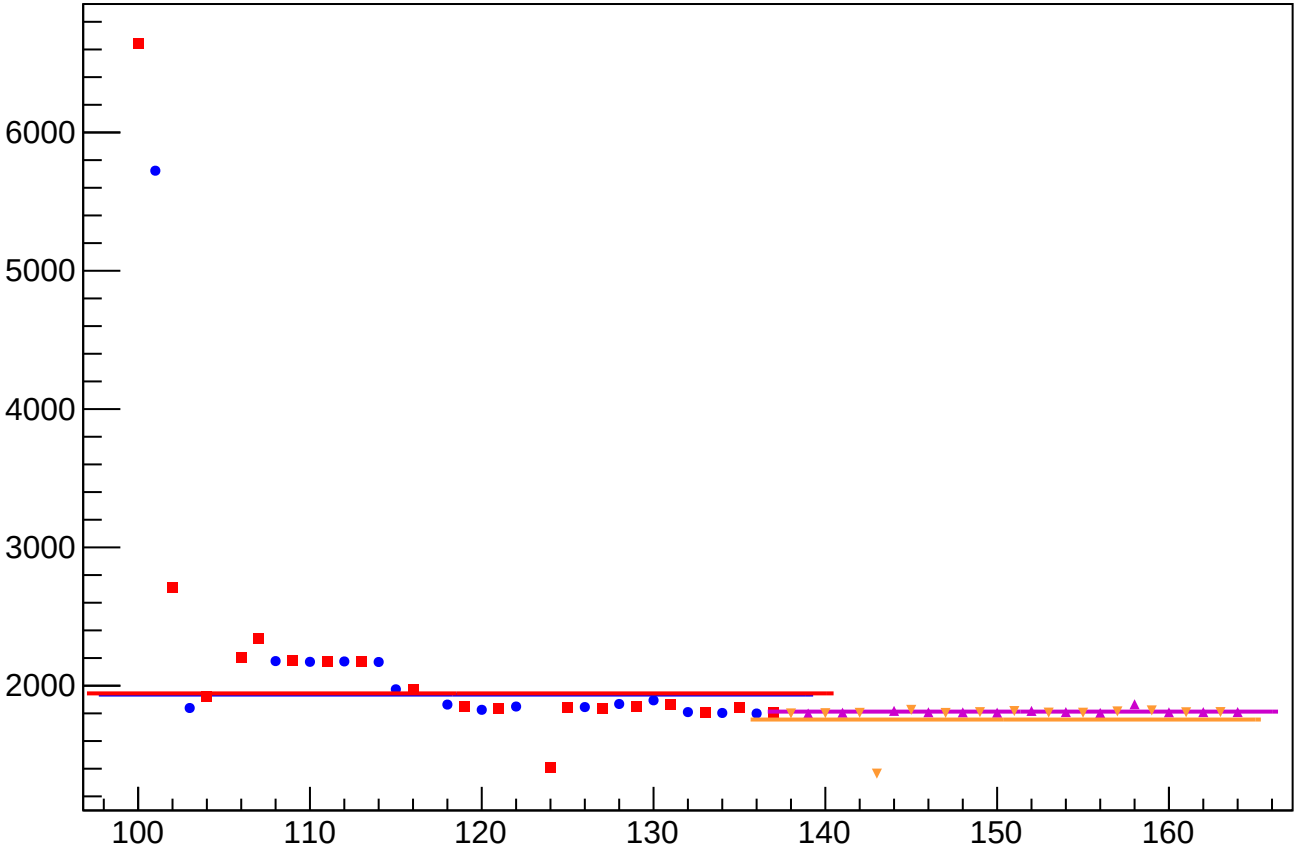
Left In: 366.496+/-547.288 χ^2/NDF:18.2/12

+ sign -217.726+/-427.894 χ^2/NDF: 29.4/29

All: 95.703+/-305.667 χ^2/NDF: 64.3/61

- 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: 1755.389+/-0.372 χ^2/NDF:153119.4/13

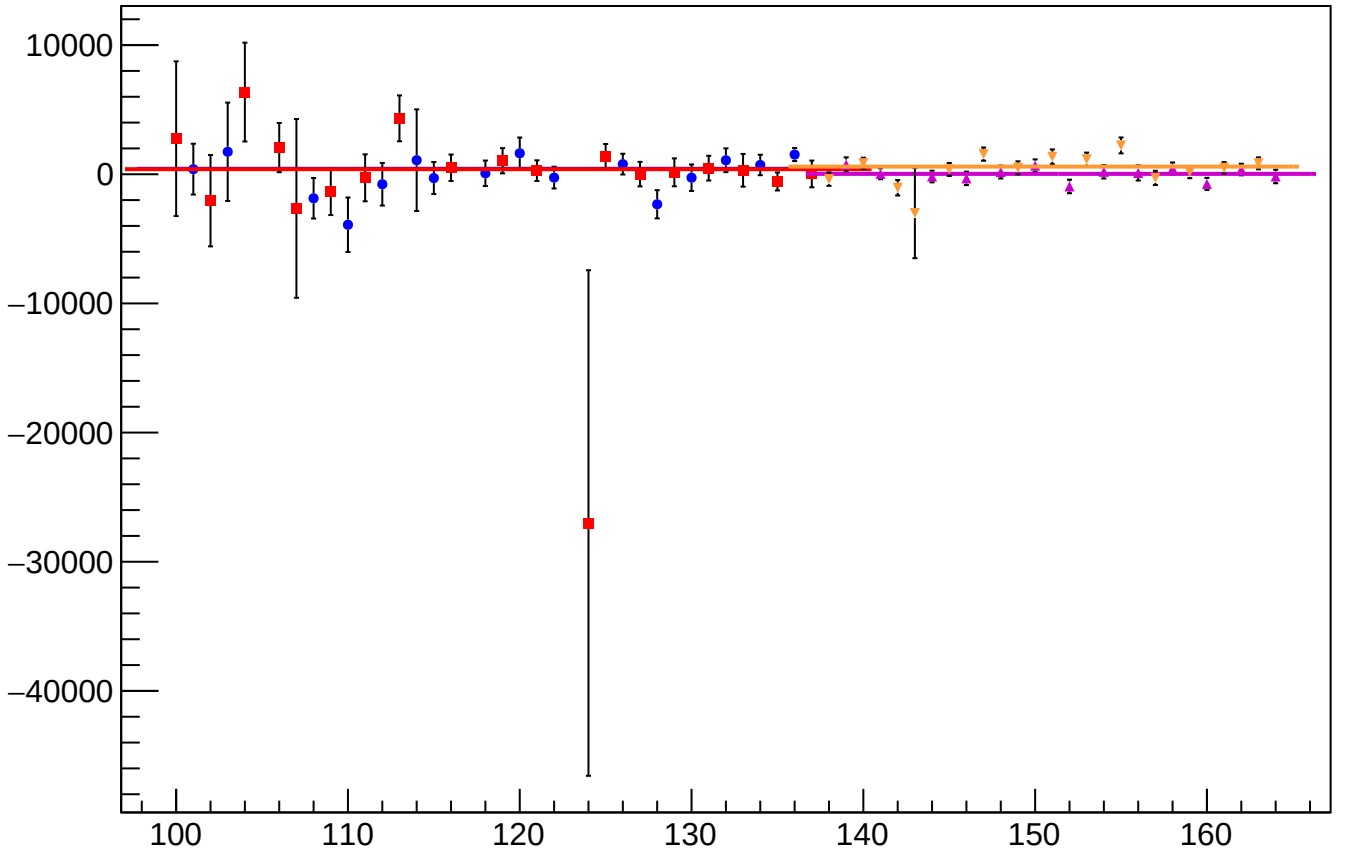
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

+ sign 1816.445+/-0.303 χ^2/NDF: 872646.3/29

All: 1838.050+/-0.216 χ^2/NDF: 1203088.5/61

- sign 1860.563+/-0.309 χ^2/NDF: 320030.7/31



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.026+/-140.667 χ^2/NDF:29.8/13

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

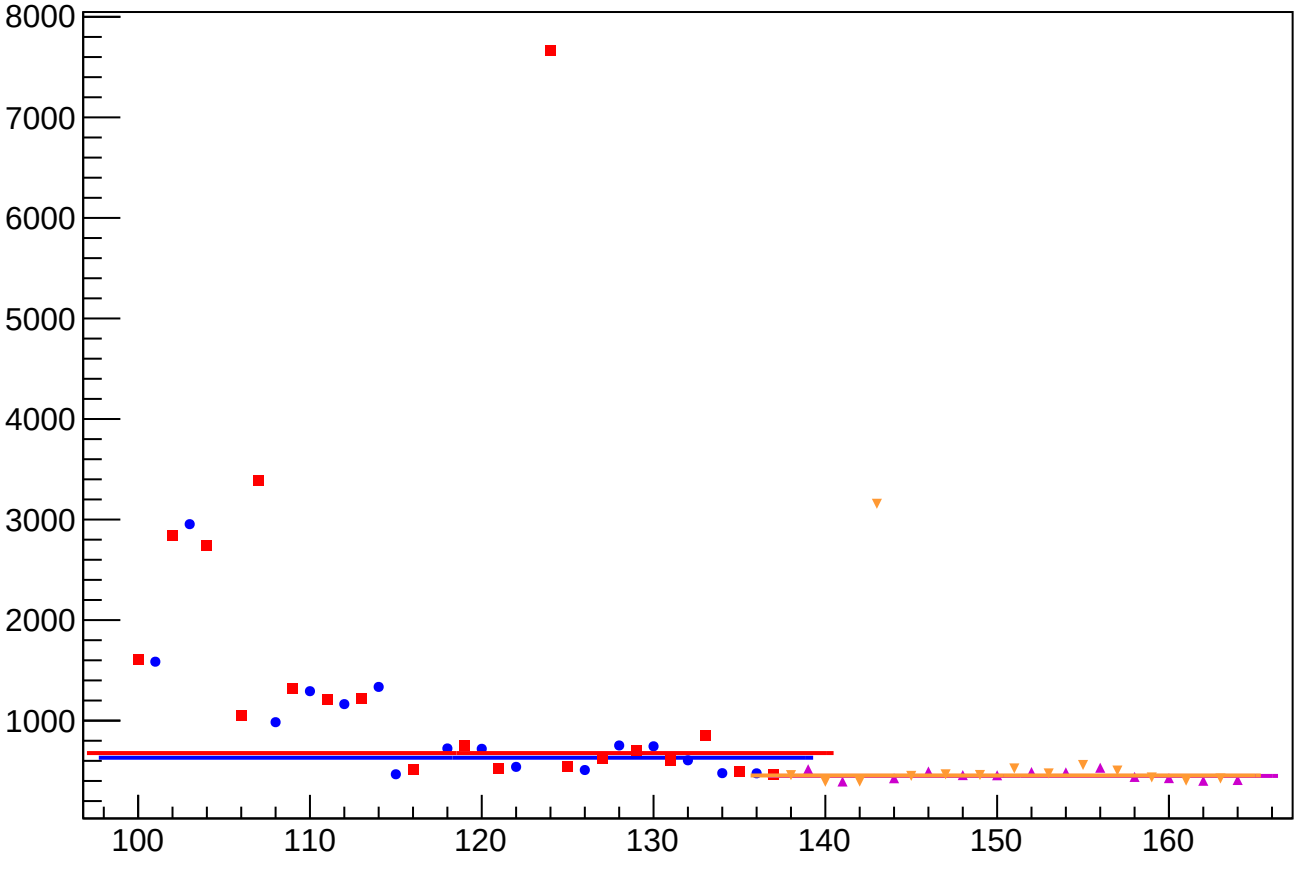
Left In: 29.083+/-136.757 χ^2/NDF:11.9/12

\+ sign 552.575+/-123.365 χ^2/NDF: 51.6/29

All: 325.066+/-87.048 χ^2/NDF: 87.5/61

\- 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: 454.442+/-0.099 χ^2/NDF:1405150.2/13

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

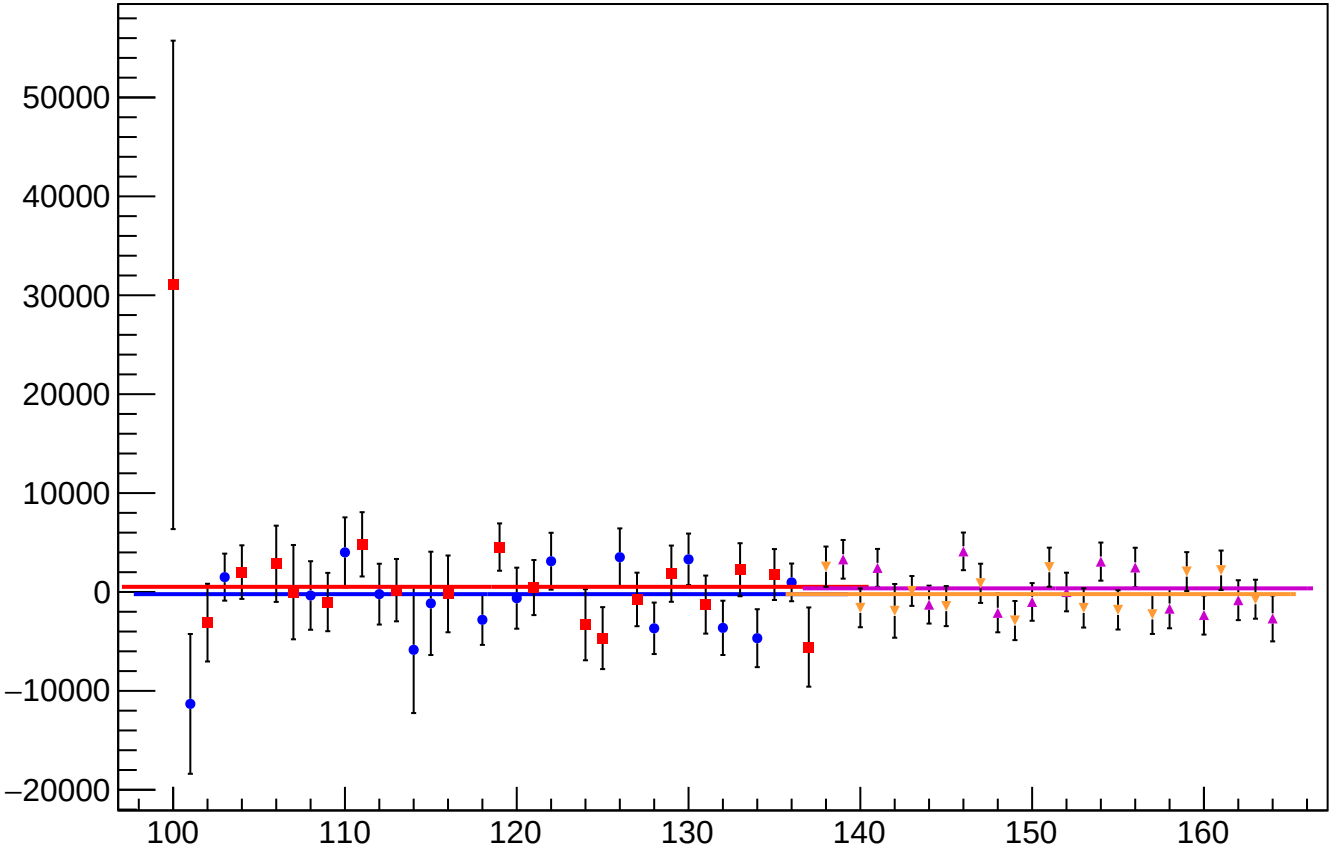
Left In: 450.045+/-0.097 χ^2/NDF:181475.0/12

+ sign 495.236+/-0.087 χ^2/NDF: 4368206.8/29

All: 494.592+/-0.062 χ^2/NDF: 8699060.8/61

- 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: -216.365+/-525.946 χ^2/NDF:12.3/13

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

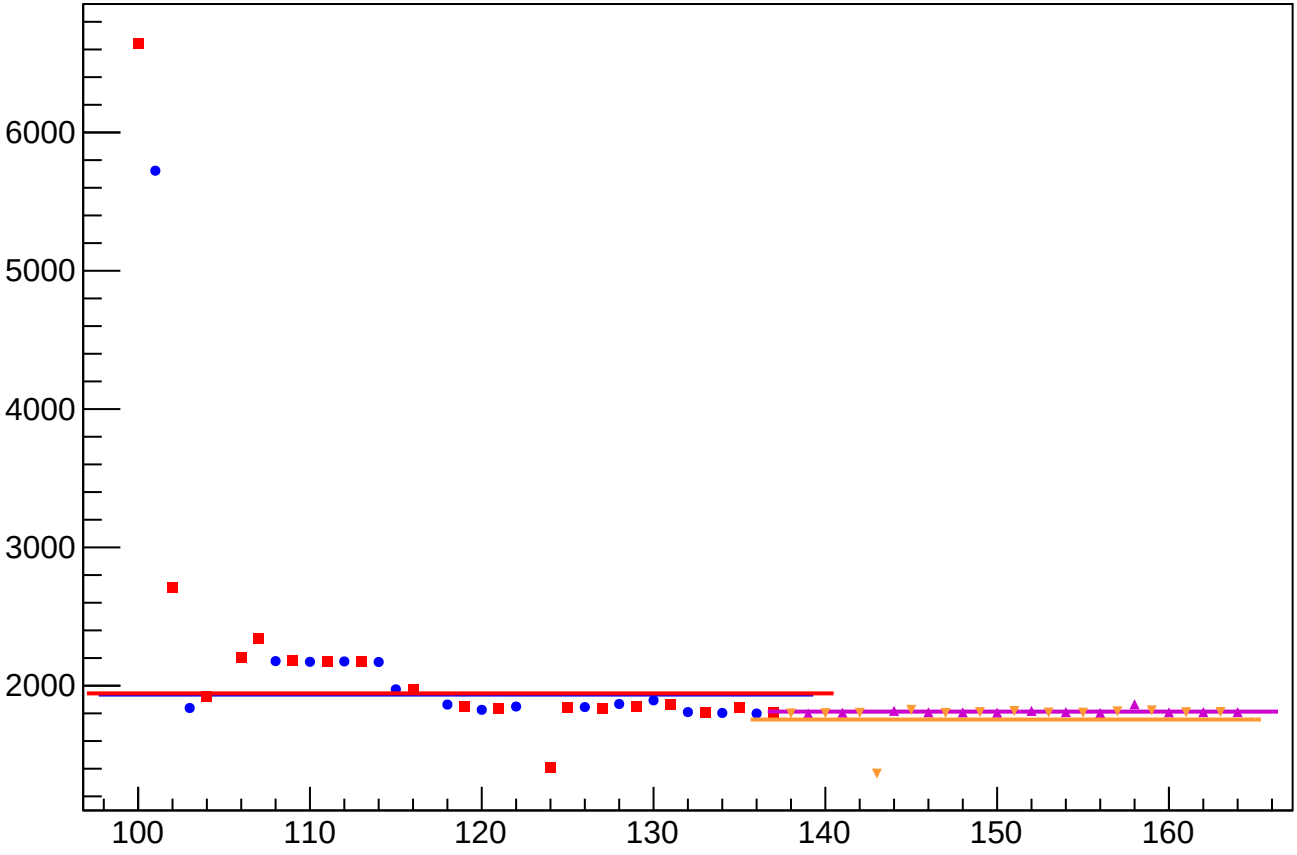
Left In: 366.496+/-547.288 χ^2/NDF:18.2/12

+ sign -217.727+/-427.894 χ^2/NDF: 29.4/29

All: 95.702+/-305.667 χ^2/NDF: 64.3/61

- 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: 1755.389+/-0.372 χ^2/NDF:153119.3/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

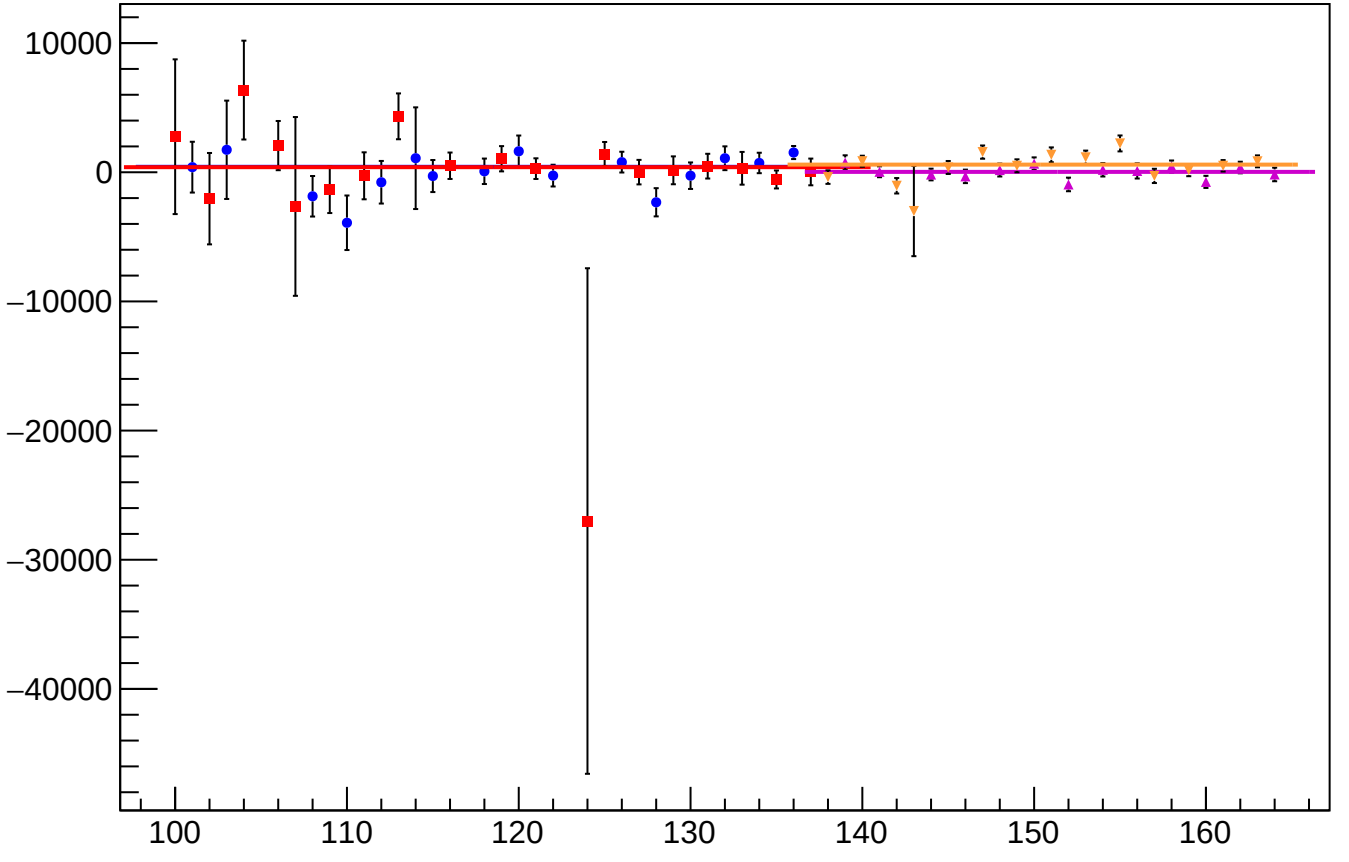
Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

+ sign 1816.445+/-0.303 χ^2/NDF: 872646.3/29

All: 1838.050+/-0.216 χ^2/NDF: 1203088.3/61

- 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: 592.025+/-140.667 χ^2/NDF:29.8/13

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

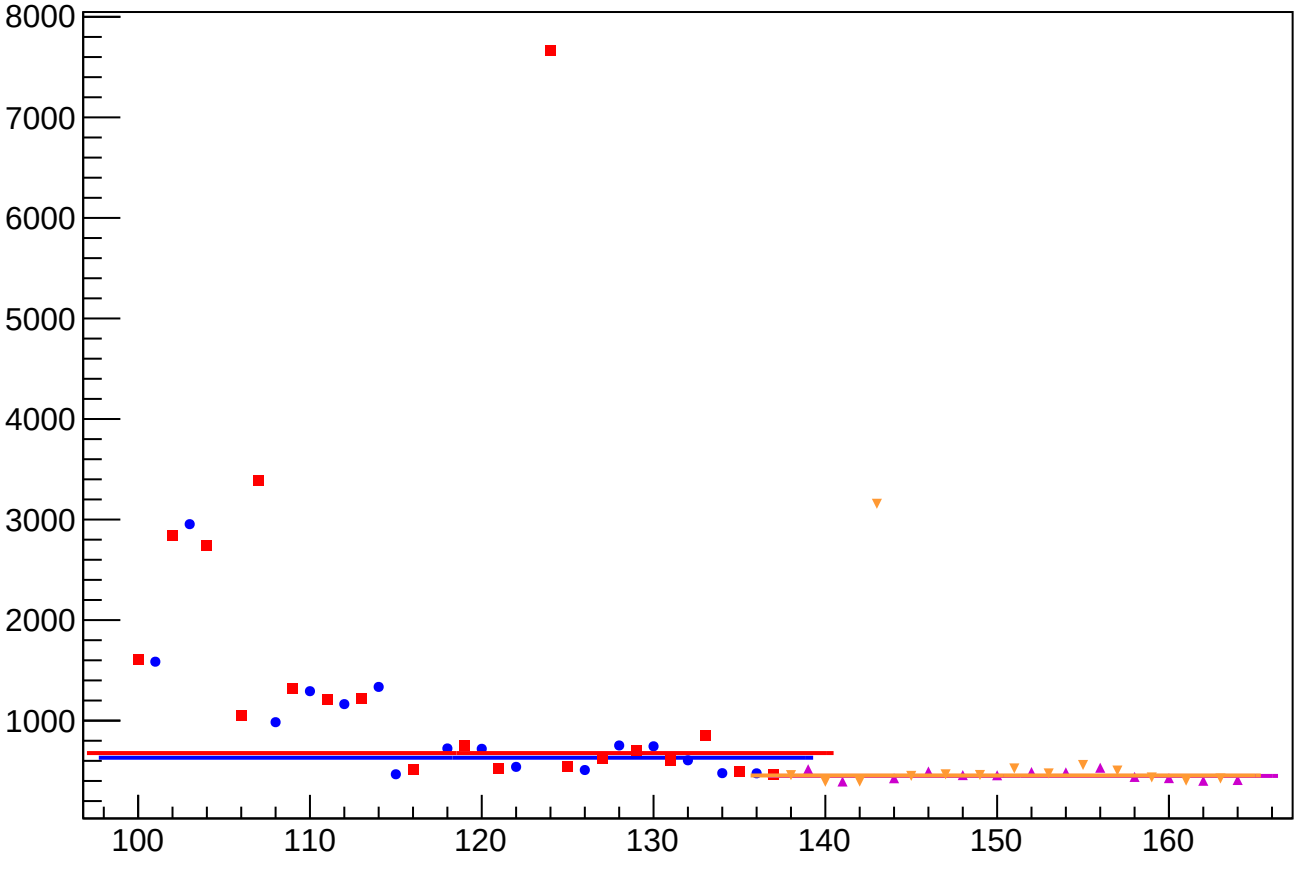
Left In: 29.082+/-136.757 χ^2/NDF:11.9/12

+ sign 552.574+/-123.365 χ^2/NDF: 51.6/29

All: 325.064+/-87.048 χ^2/NDF: 87.5/61

- 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: 454.441+/-0.099 χ^2/NDF:1405152.4/13

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

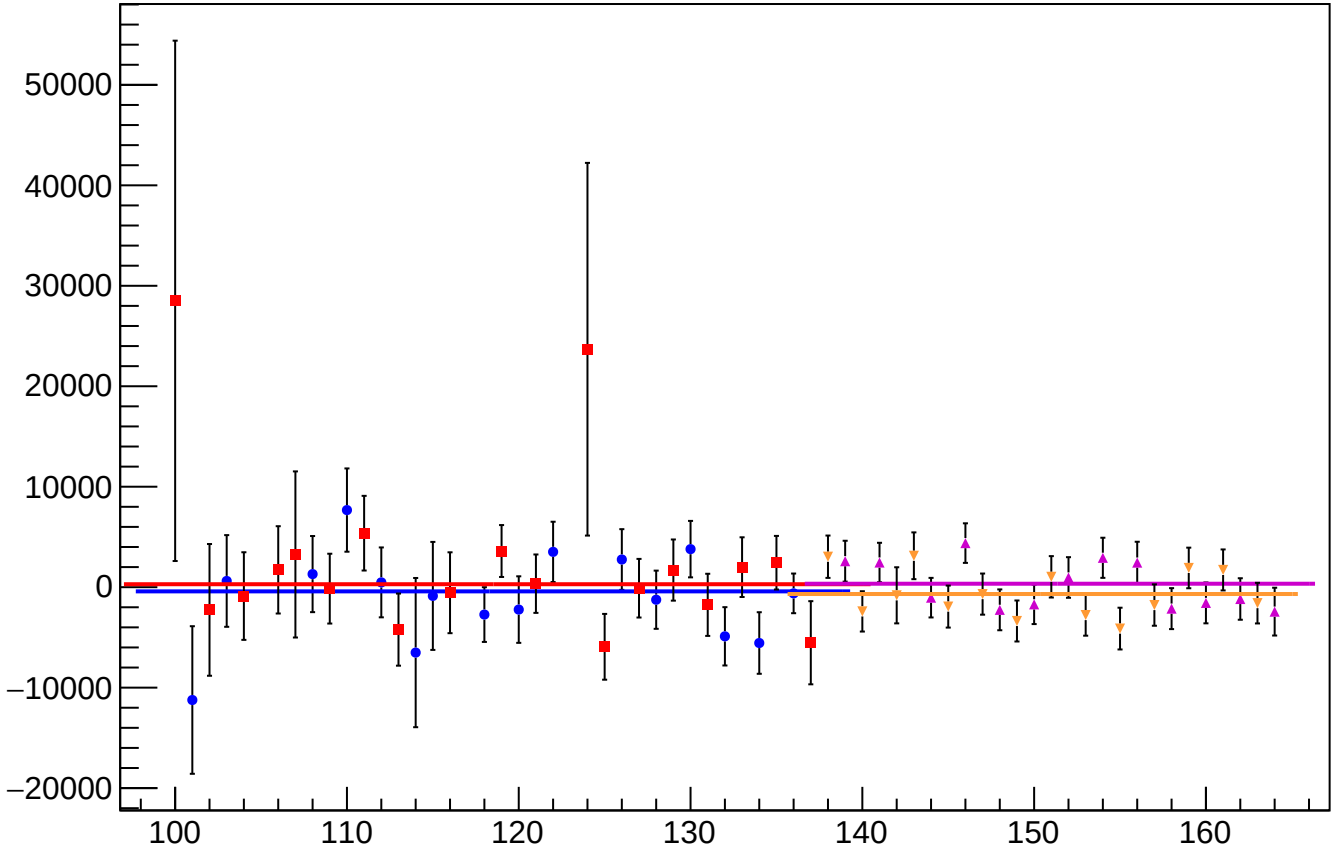
Left In: 450.045+/-0.097 χ^2/NDF:181477.7/12

+ sign 495.236+/-0.087 χ^2/NDF: 4368209.7/29

All: 494.591+/-0.062 χ^2/NDF: 8699067.4/61

- 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: -680.433+/-562.188 χ^2/NDF:16.6/13

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

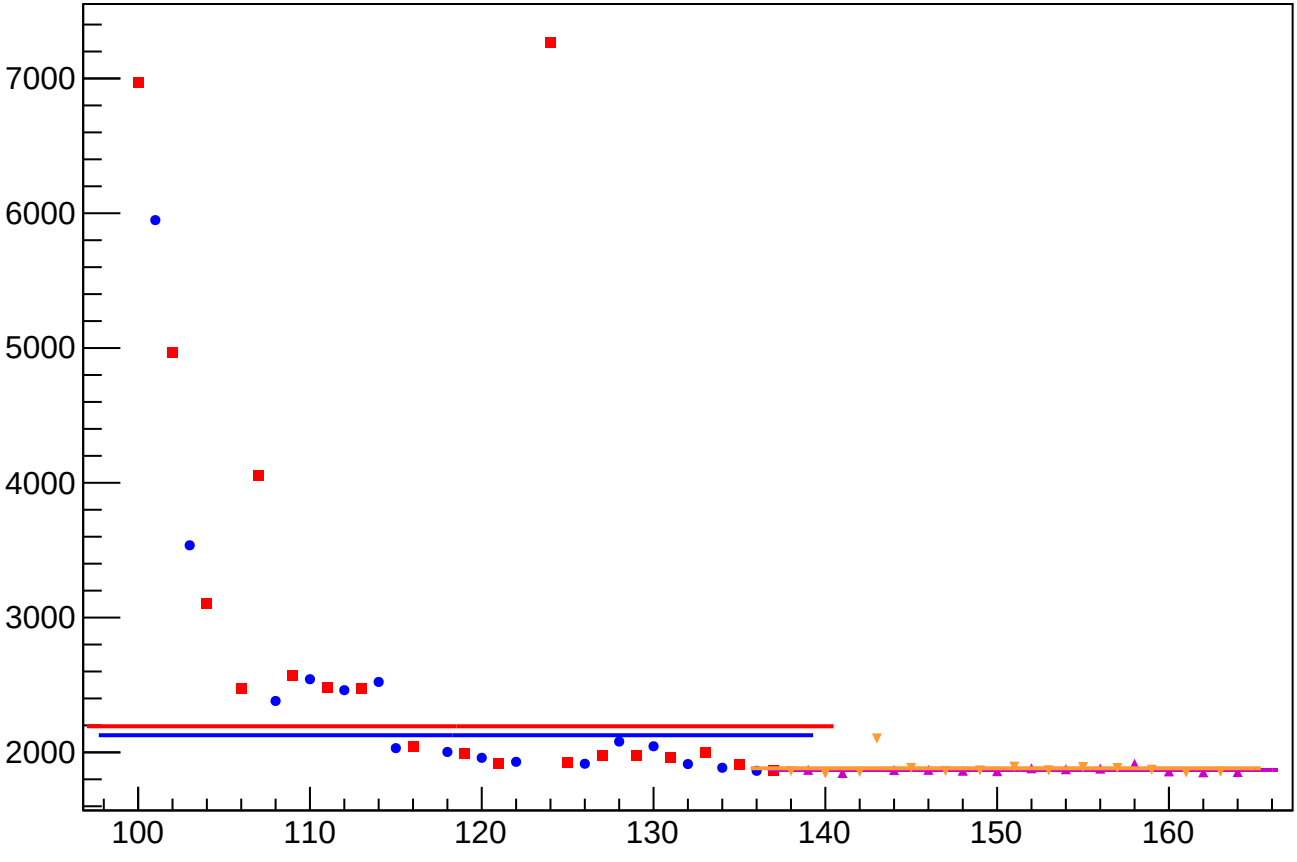
Left In: 343.465+/-564.392 χ^2/NDF:16.9/12

+ sign -595.764+/-462.836 χ^2/NDF: 35.0/29

All: -138.001+/-328.736 χ^2/NDF: 69.5/61

- 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: 1881.944+/-0.398 χ^2/NDF:20529.1/13

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

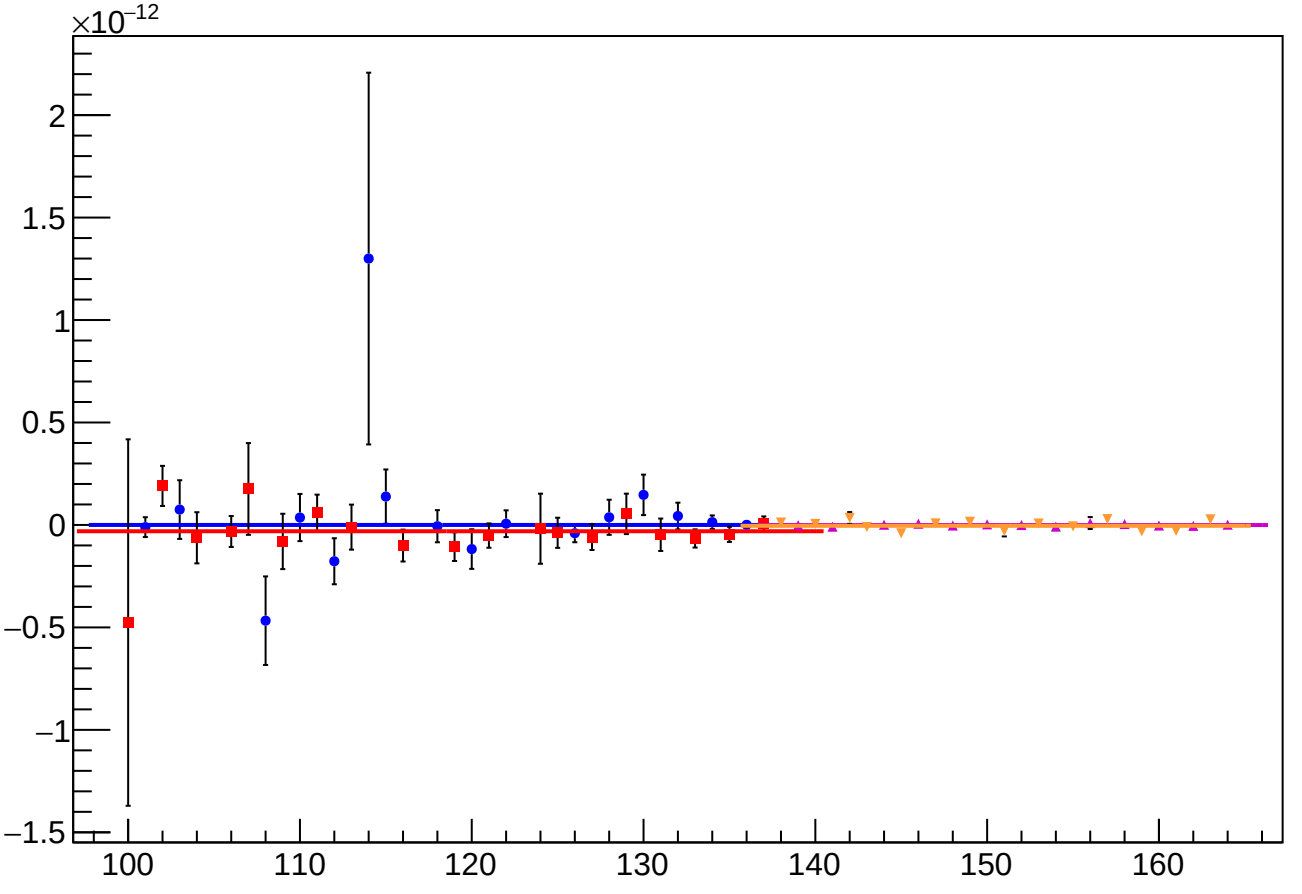
Left In: 1869.369+/-0.399 χ^2/NDF:1728.2/12

+ sign 1960.918+/-0.327 χ^2/NDF: 1018094.1/29

All: 1966.213+/-0.232 χ^2/NDF: 2171027.3/61

- sign 1971.603+/-0.330 χ^2/NDF: 1152405.0/31

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

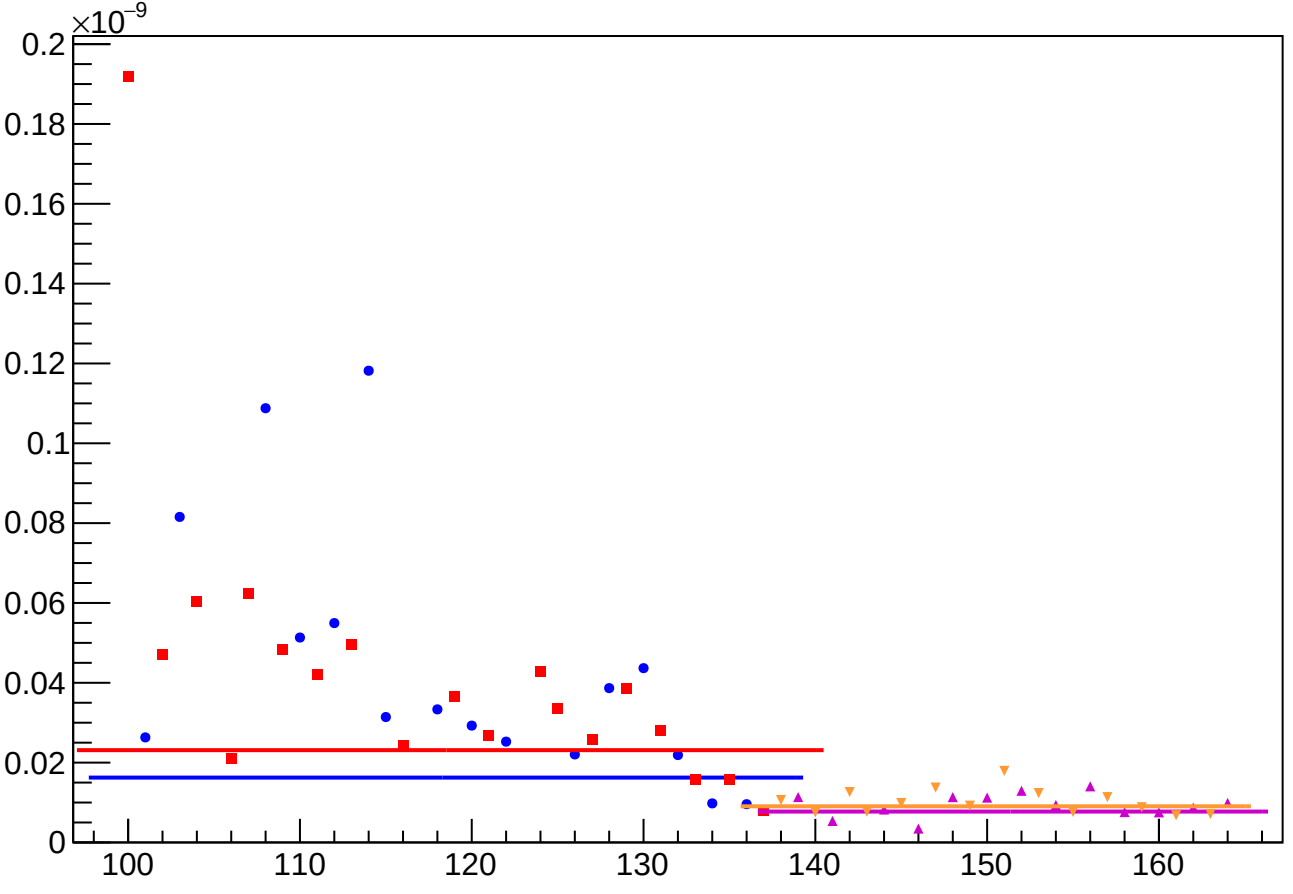
Left In: -0.000+/-0.000 χ^2/NDF:1.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/29

All: -0.000+/-0.000 χ^2/NDF: 58.6/61

- 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:570245.9/13

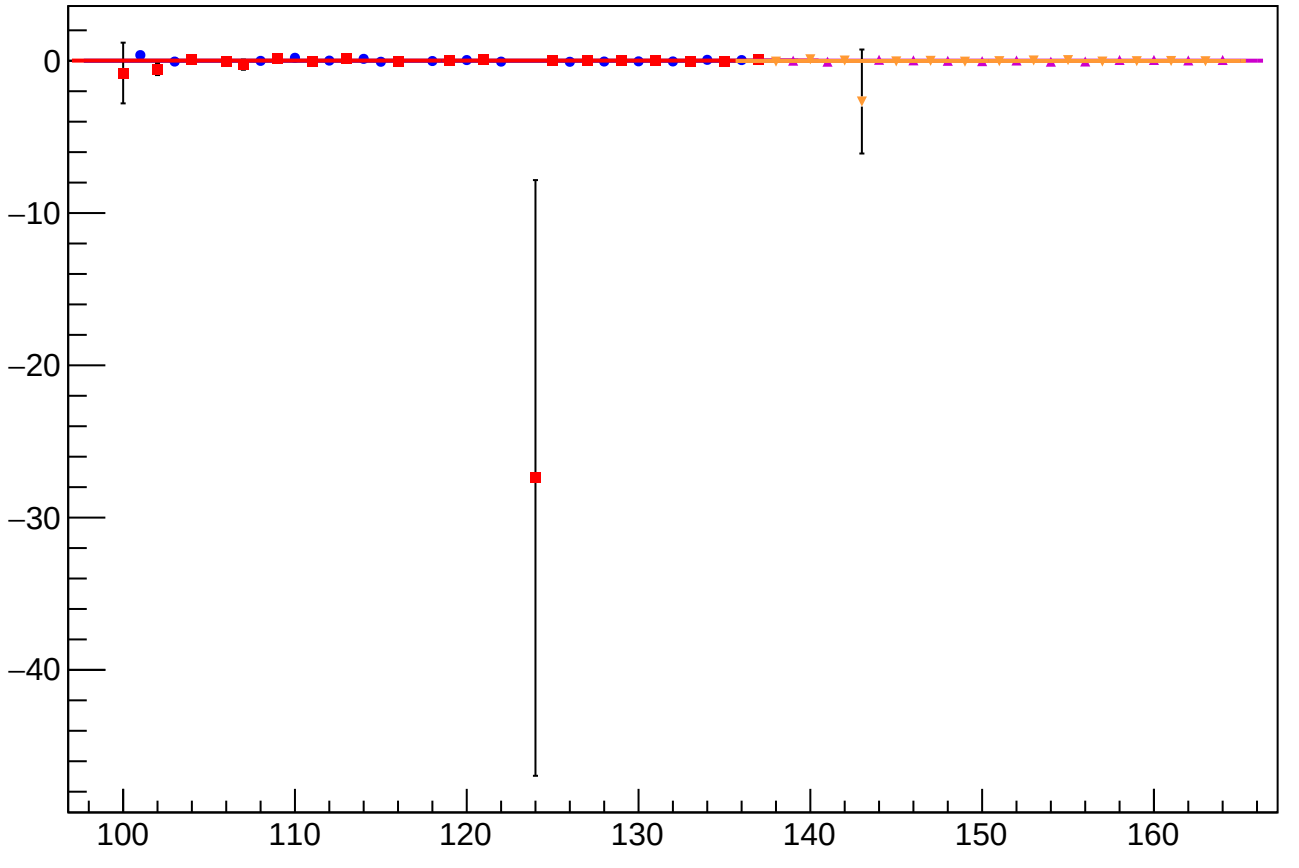
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:902346.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3496041.2/29

All: 0.000+/-0.000 χ^2/NDF: 7671568.4/61

- sign 0.000+/-0.000 χ^2/NDF: 4096337.6/31



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

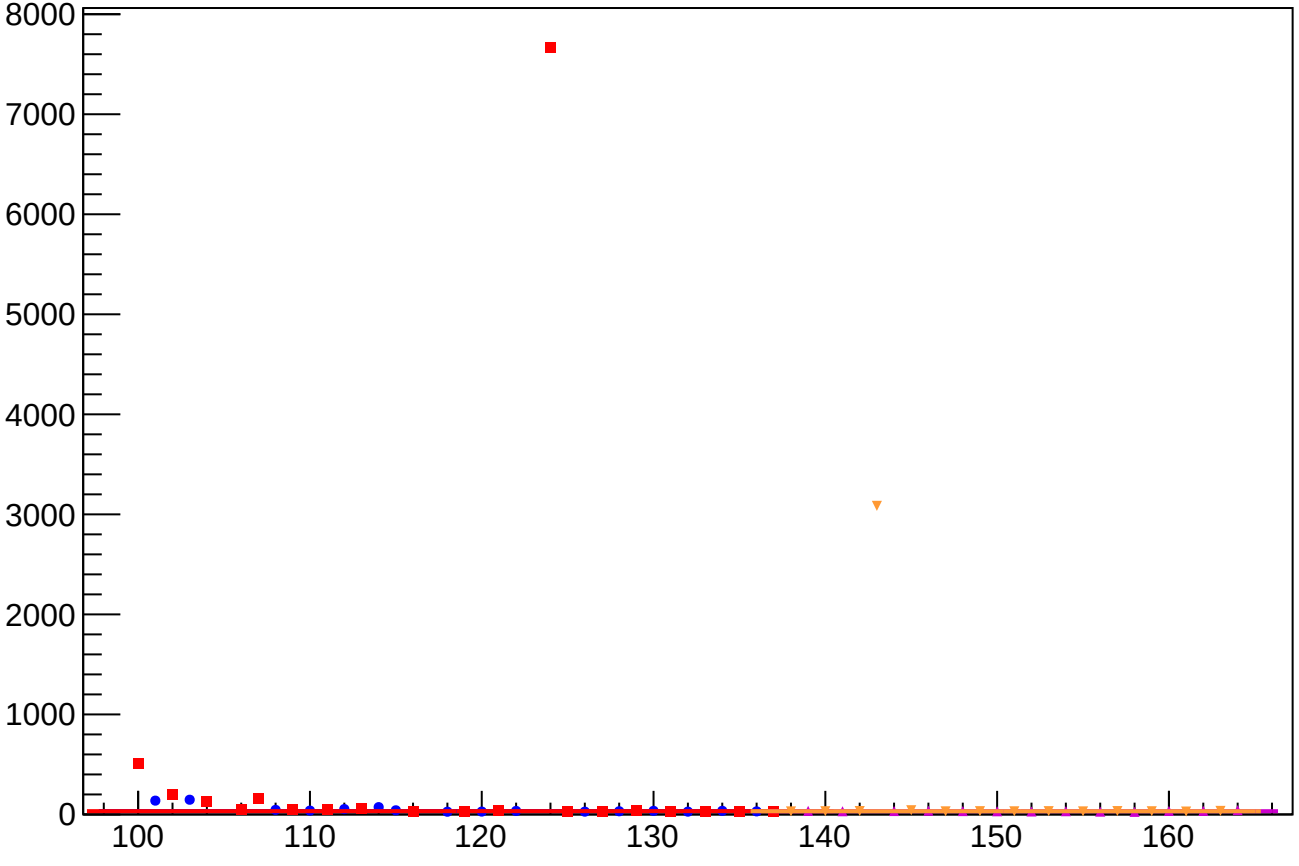
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: 0.000+/-0.006 χ^2/NDF: 70.0/61

- 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: 32.313+/-0.008 χ^2/NDF:1726374.5/13

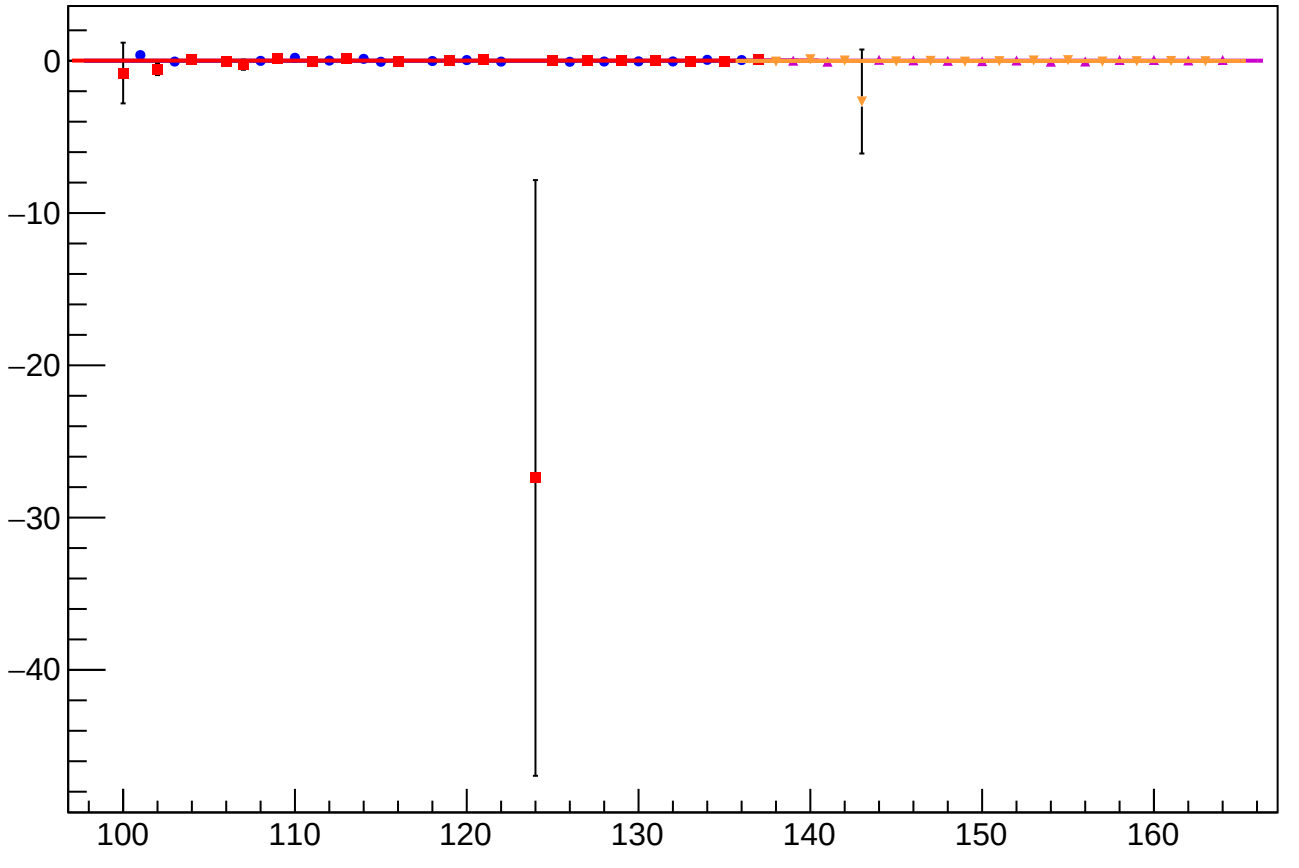
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

\+ sign 32.925+/-0.006 χ^2/NDF: 3461728.7/29

All: 32.859+/-0.004 χ^2/NDF: 5788776.6/61

\- 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:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

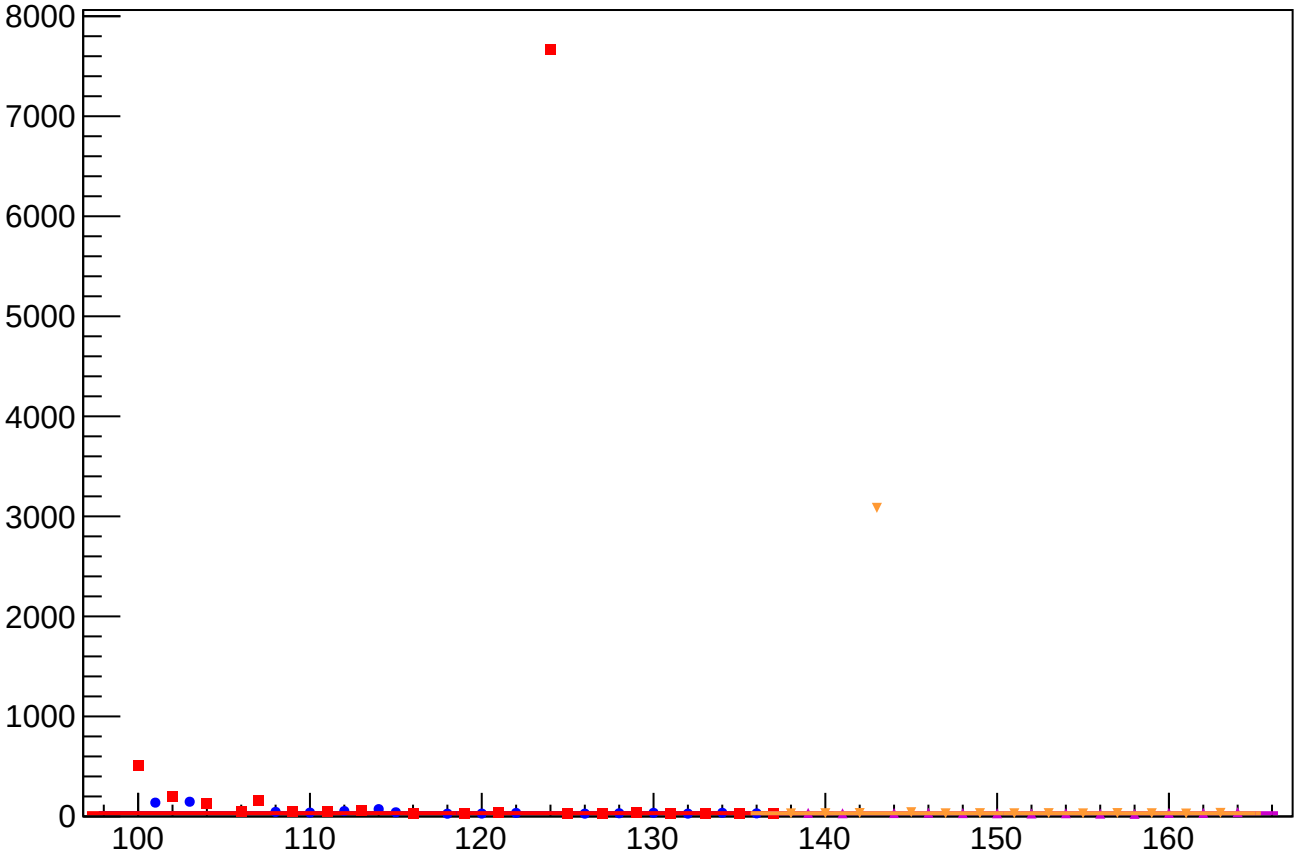
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: 0.000+/-0.006 χ^2/NDF: 70.0/61

- 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: 32.313+/-0.008 χ^2/NDF:1726374.5/13

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

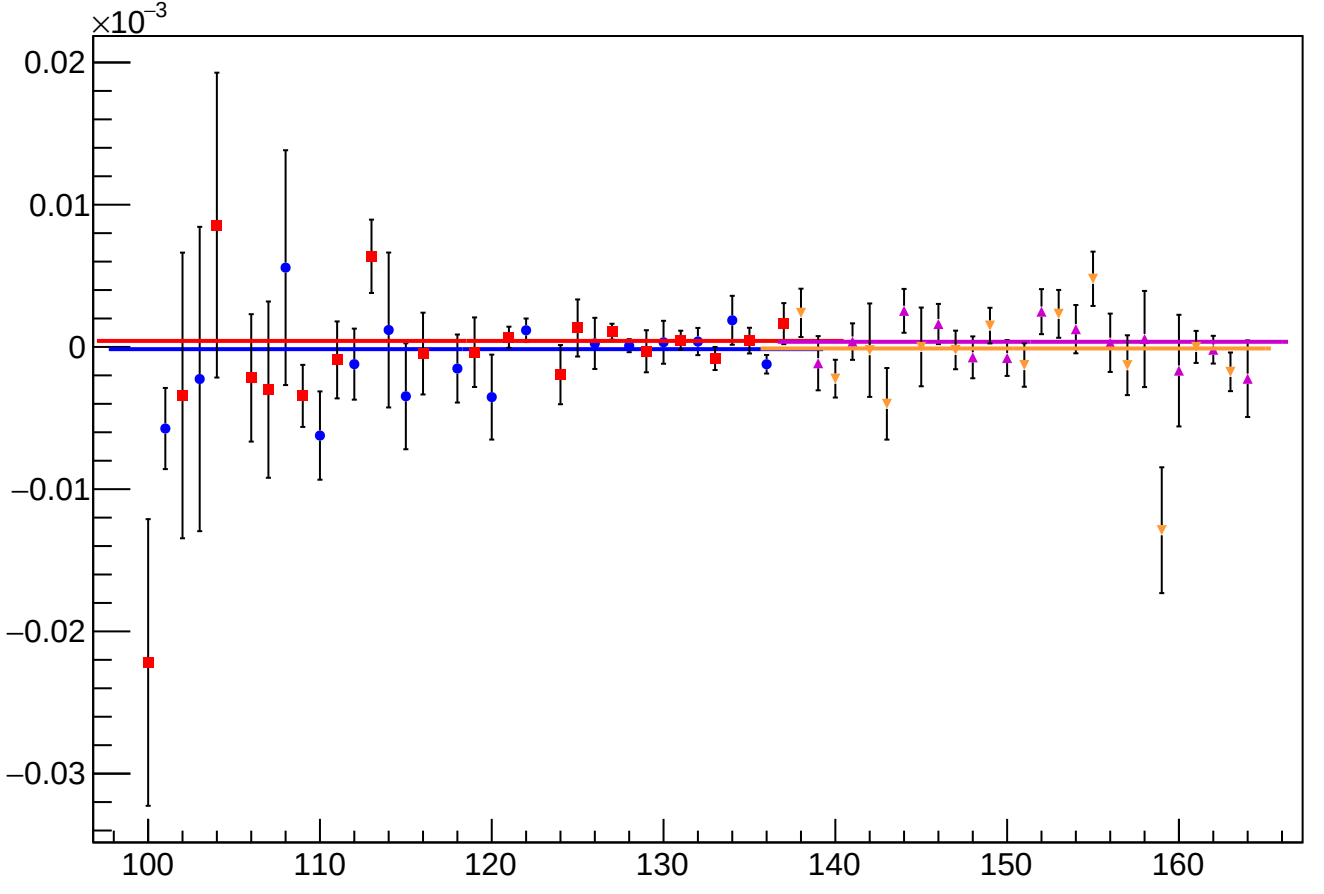
Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

+ sign 32.925+/-0.006 χ^2/NDF: 3461728.7/29

All: 32.859+/-0.004 χ^2/NDF: 5788776.6/61

- sign 32.793+/-0.006 χ^2/NDF: 2326818.5/31

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

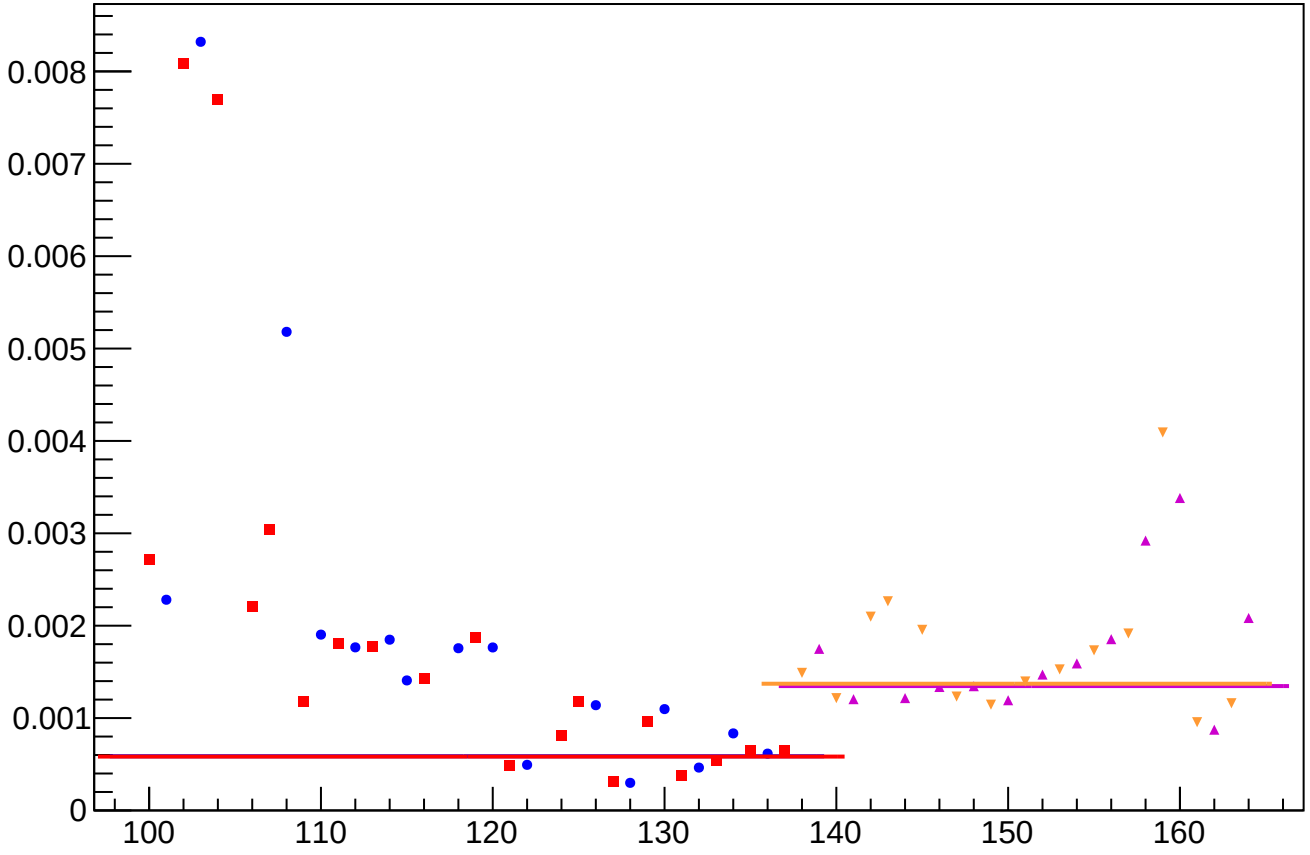
Left In: 0.000+/-0.000 χ^2/NDF:8.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.3/29

All: 0.000+/-0.000 χ^2/NDF: 78.8/61

- 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:1862420.4/13

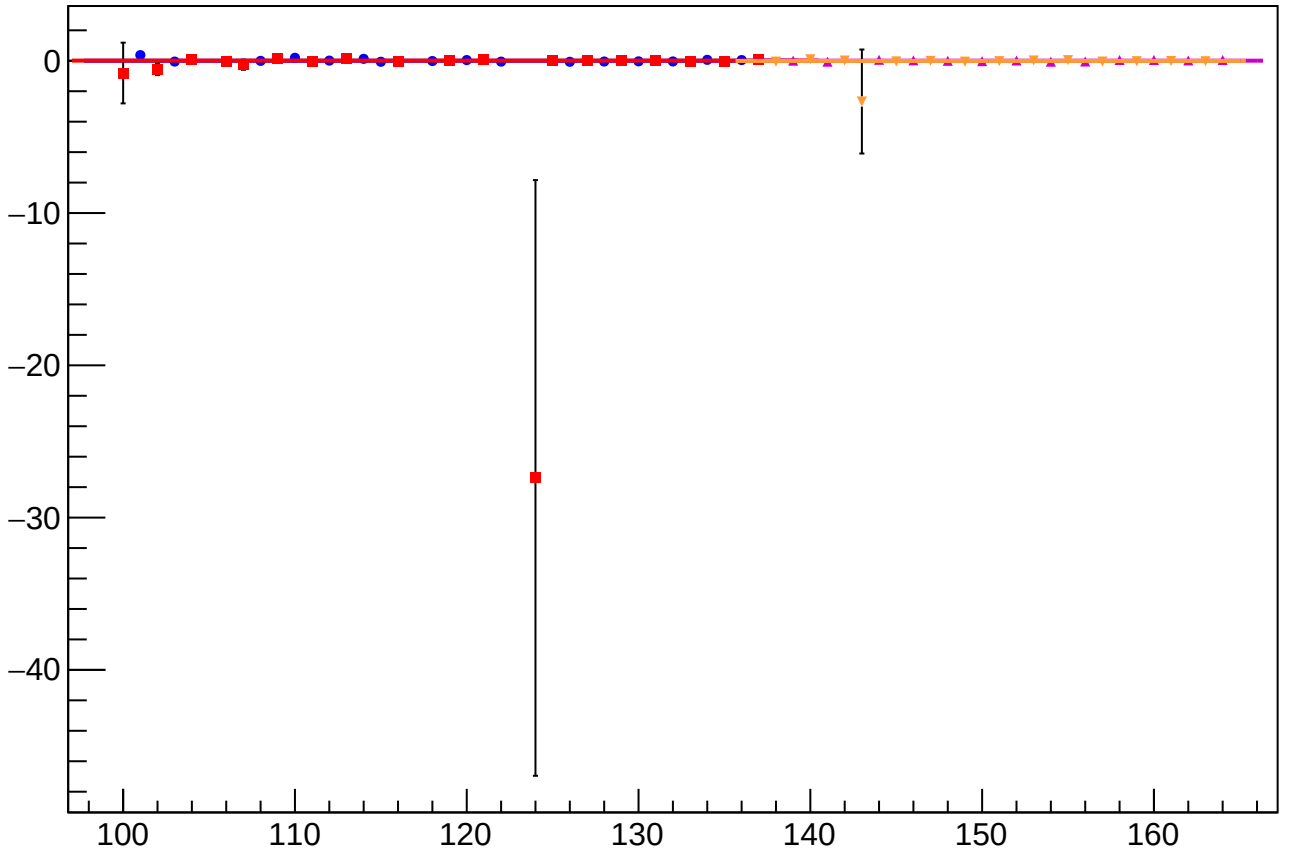
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1924792.7/12

+ sign 0.001+/-0.000 χ^2/NDF: 11738391.2/29

All: 0.001+/-0.000 χ^2/NDF: 23370968.7/61

- 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:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

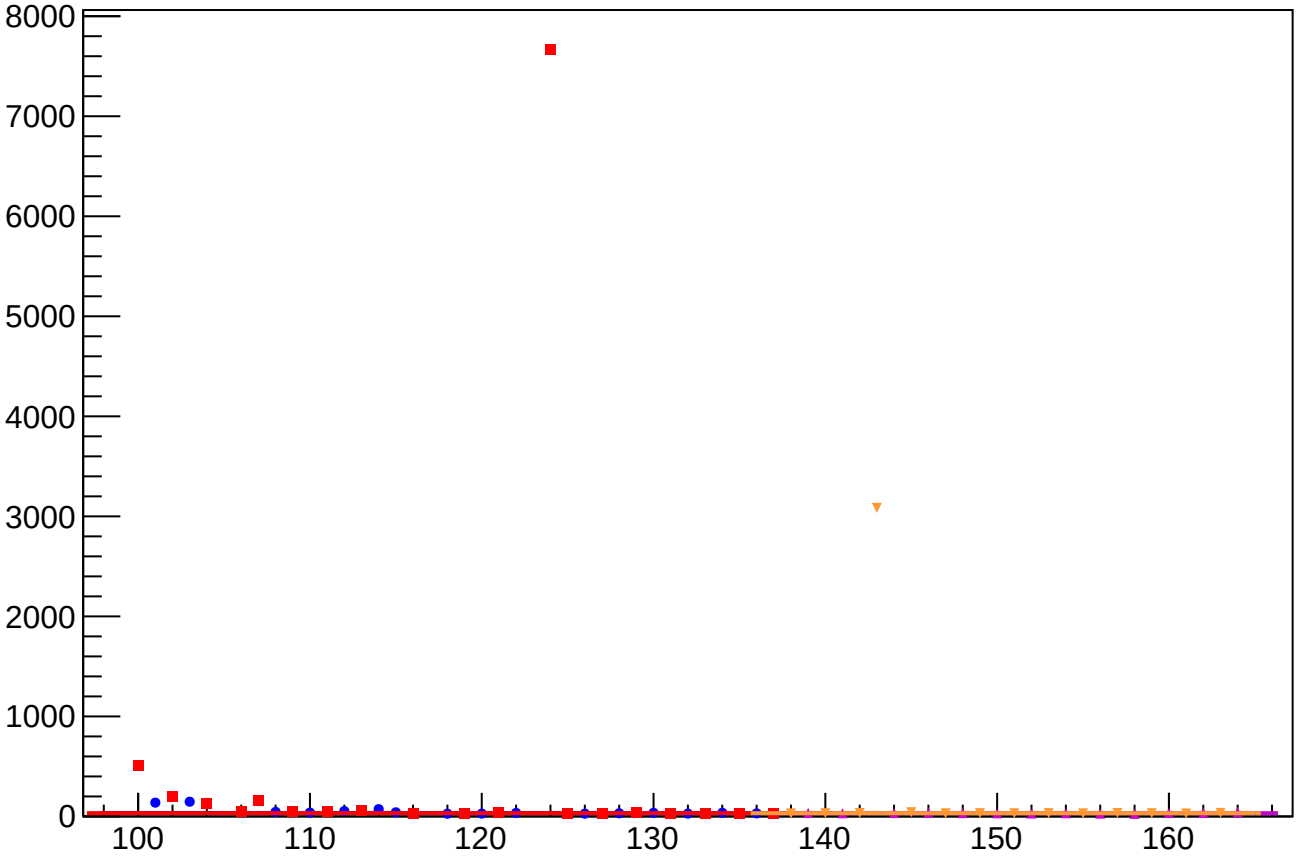
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: 0.000+/-0.006 χ^2/NDF: 70.0/61

- 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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

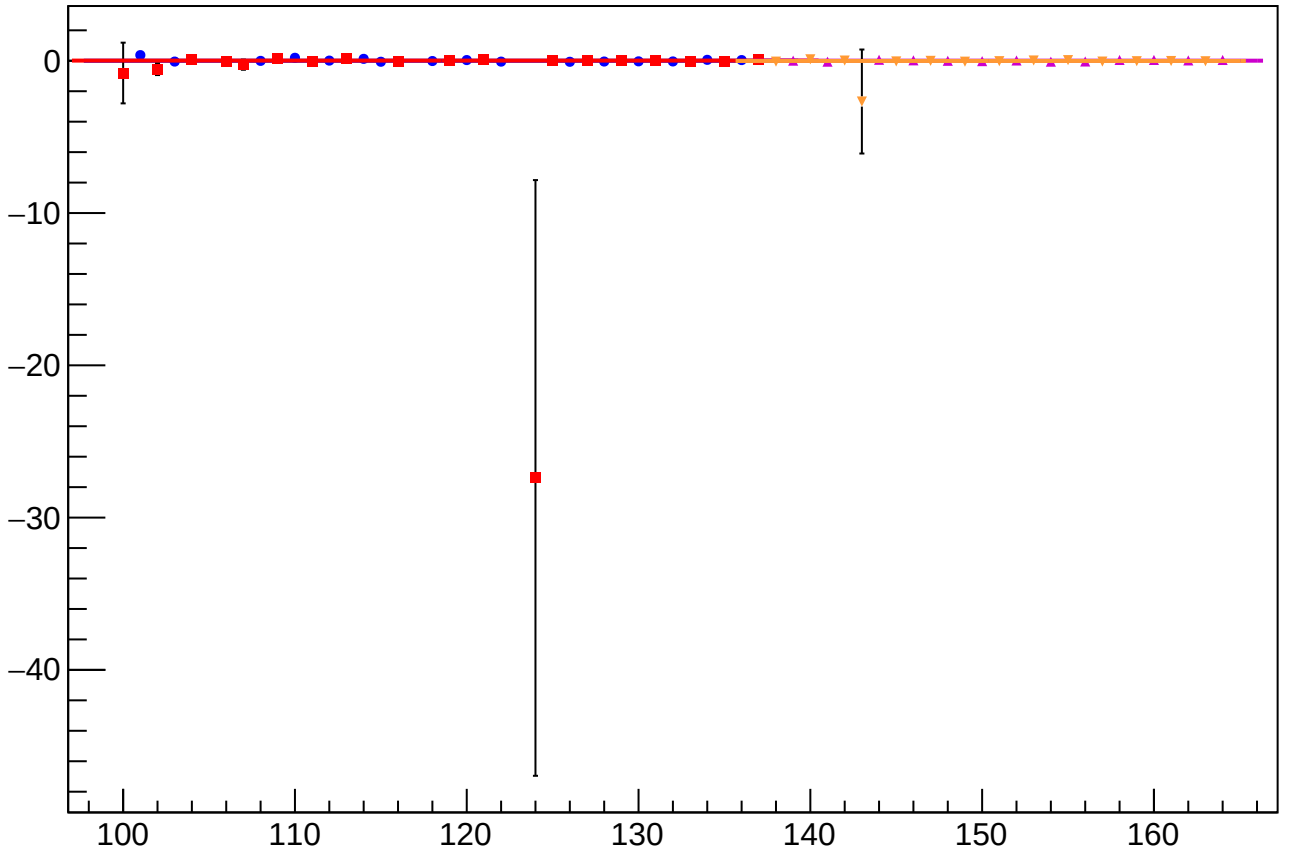
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

+ sign 32.925+/-0.006 χ^2/NDF: 3461710.9/29

All: 32.859+/-0.004 χ^2/NDF: 5788656.8/61

- 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:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

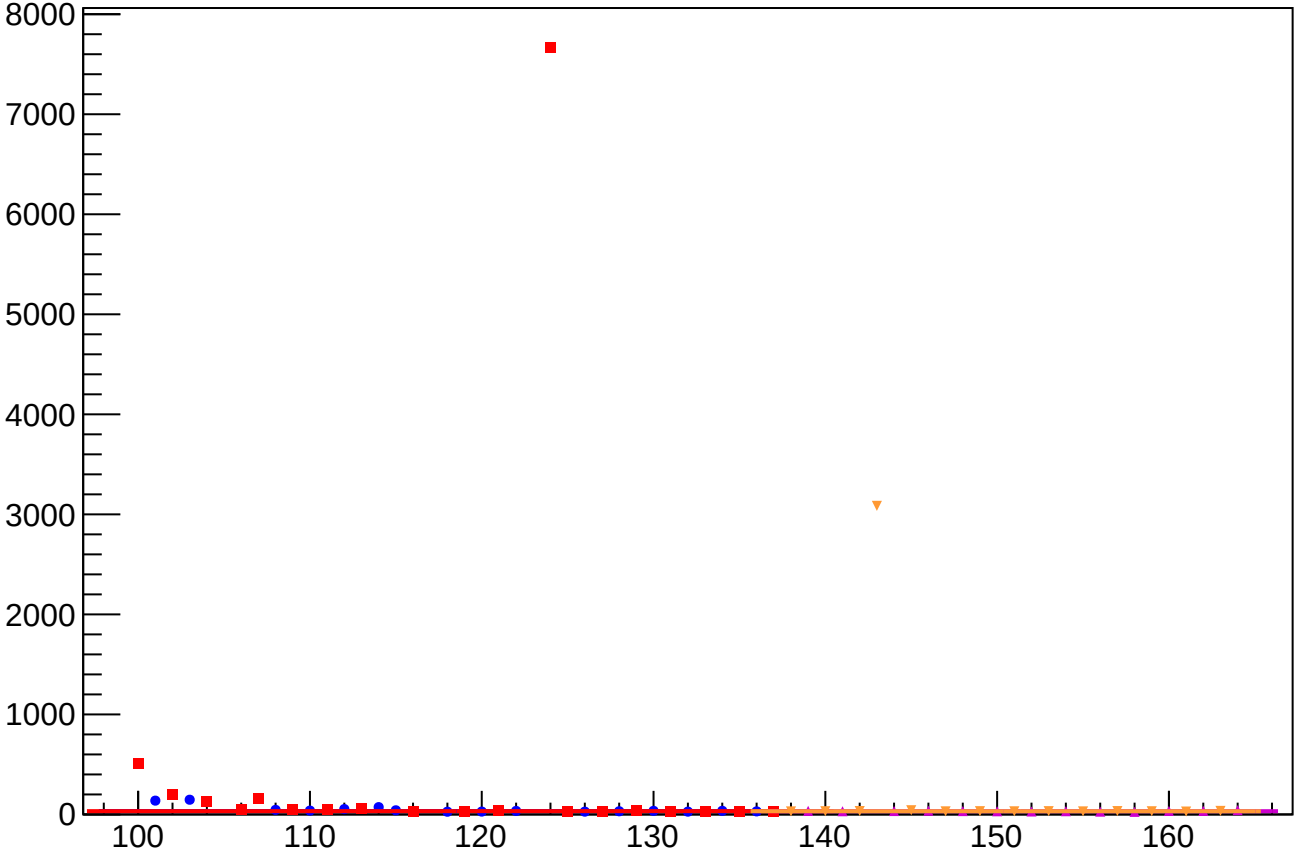
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: 0.000+/-0.006 χ^2/NDF: 70.0/61

- 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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

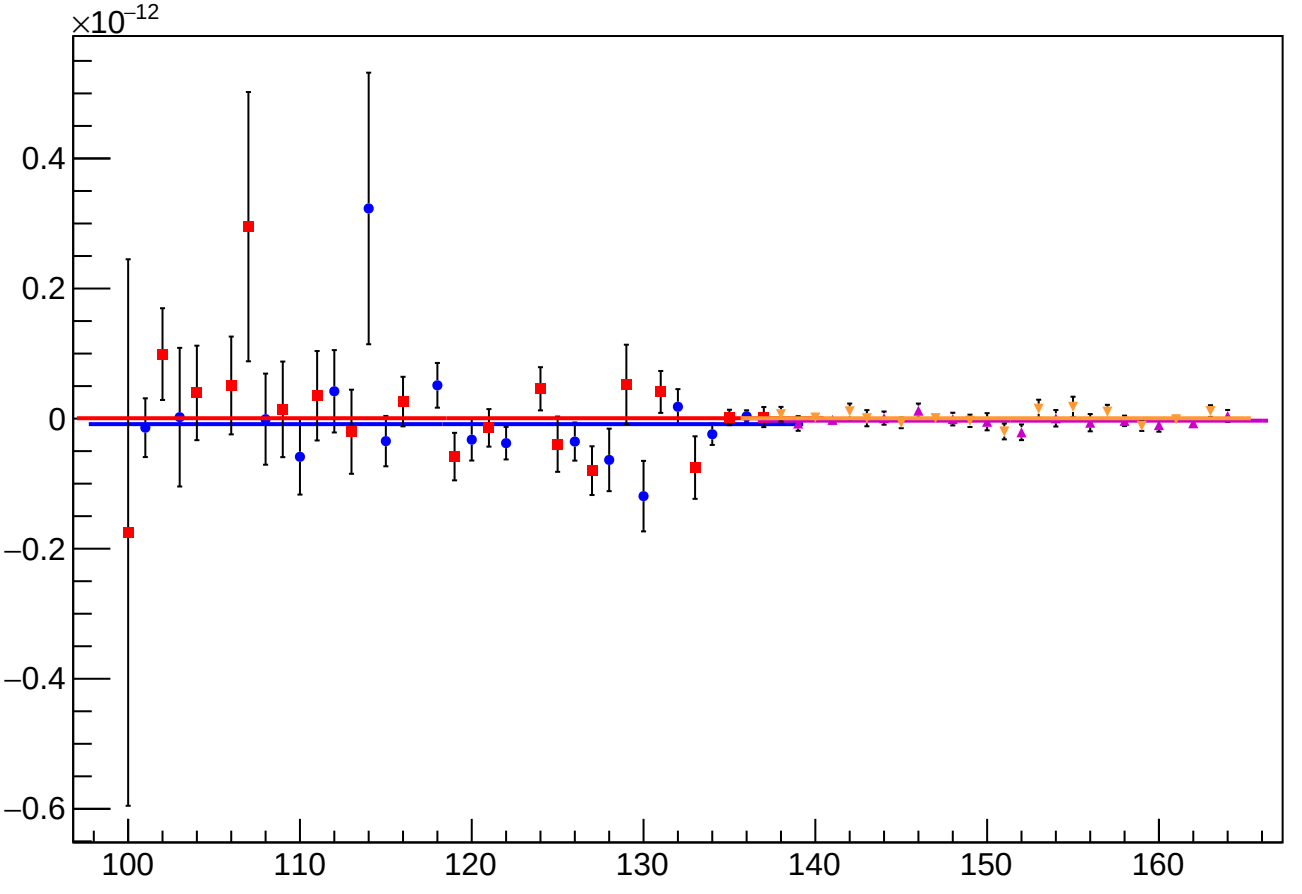
Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

+ sign 32.925+/-0.006 χ^2/NDF: 3461710.9/29

All: 32.859+/-0.004 χ^2/NDF: 5788656.8/61

- 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:11.9/13

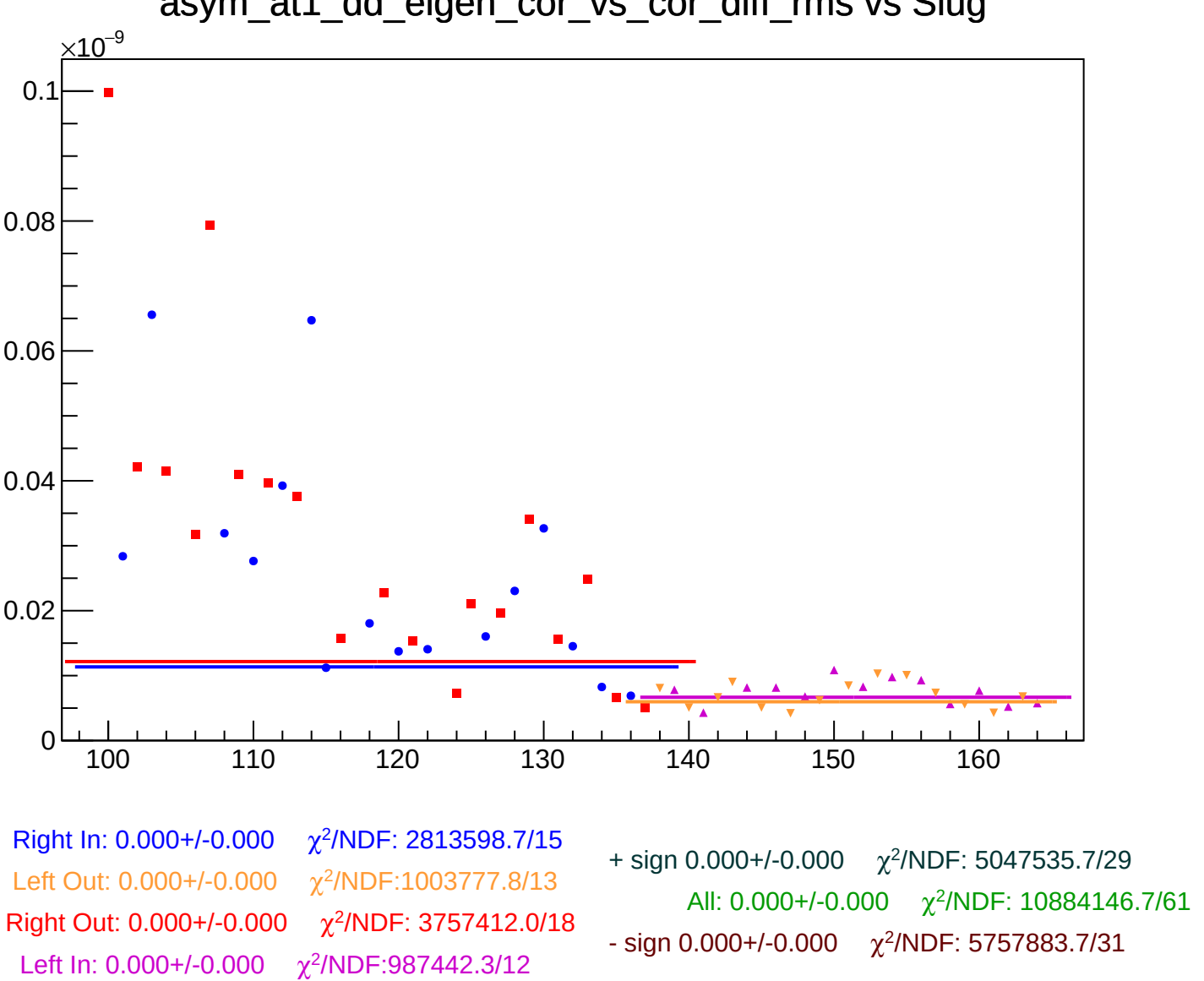
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/12

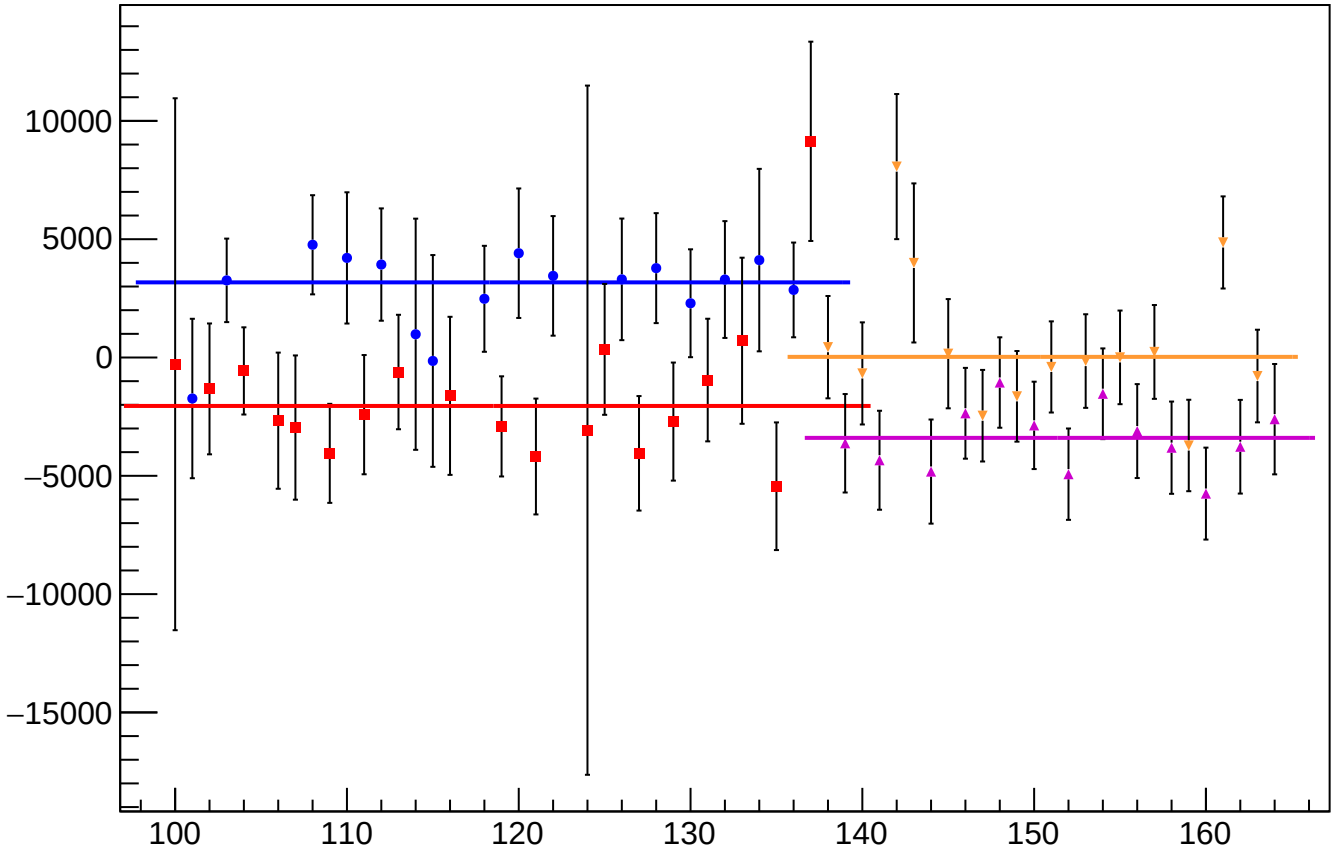
+ sign -0.000+/-0.000 χ^2/NDF: 32.9/29

All: -0.000+/-0.000 χ^2/NDF: 60.4/61

- 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:1003777.8/13
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: 5047535.7/29
All: 0.000+/-0.000 χ²/NDF: 10884146.7/61
- sign 0.000+/-0.000 χ²/NDF: 5757883.7/31

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.968+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

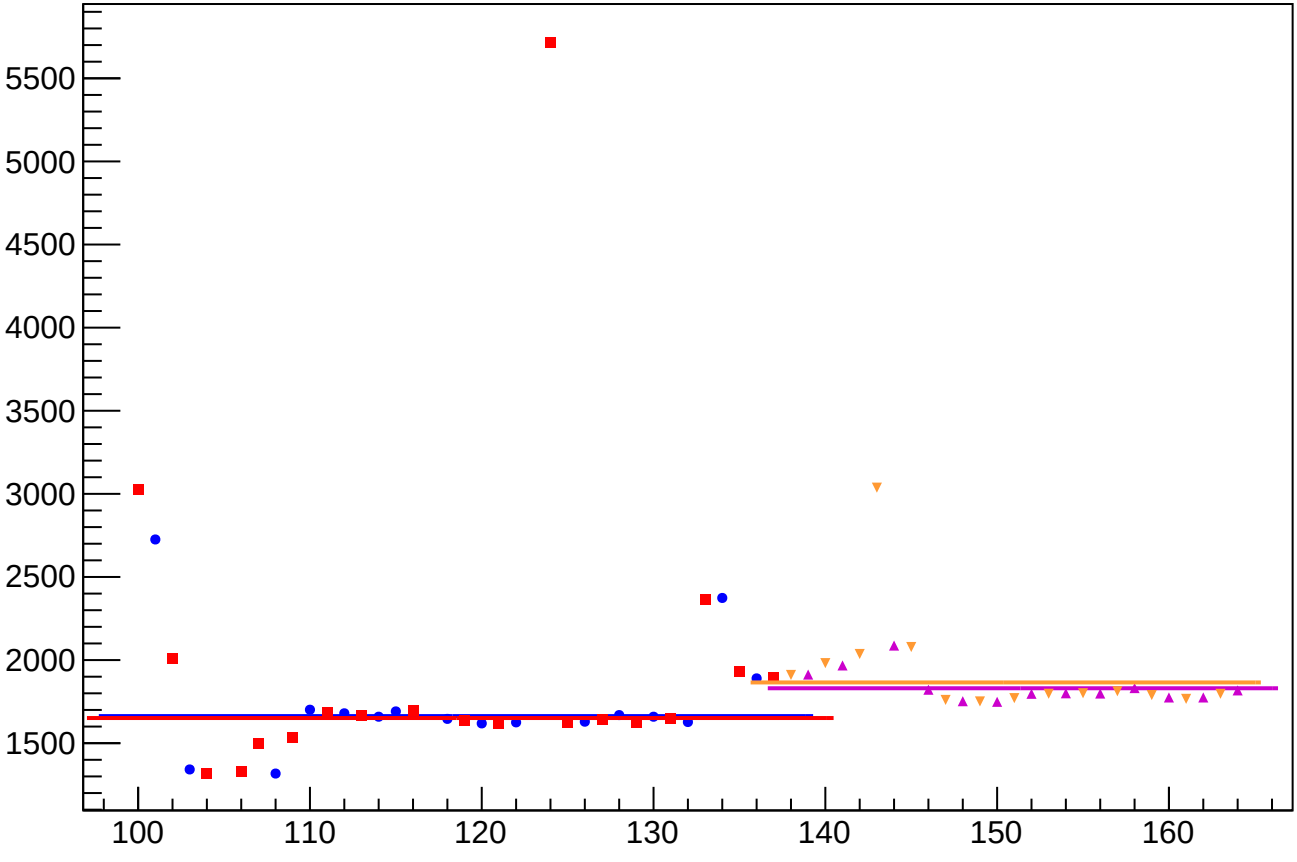
Left In: -3396.568+/-553.321 χ^2/NDF:5.8/12

+ sign 1424.243+/-418.345 χ^2/NDF: 39.3/29

All: -713.676+/-294.003 χ^2/NDF: 113.3/61

- 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: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

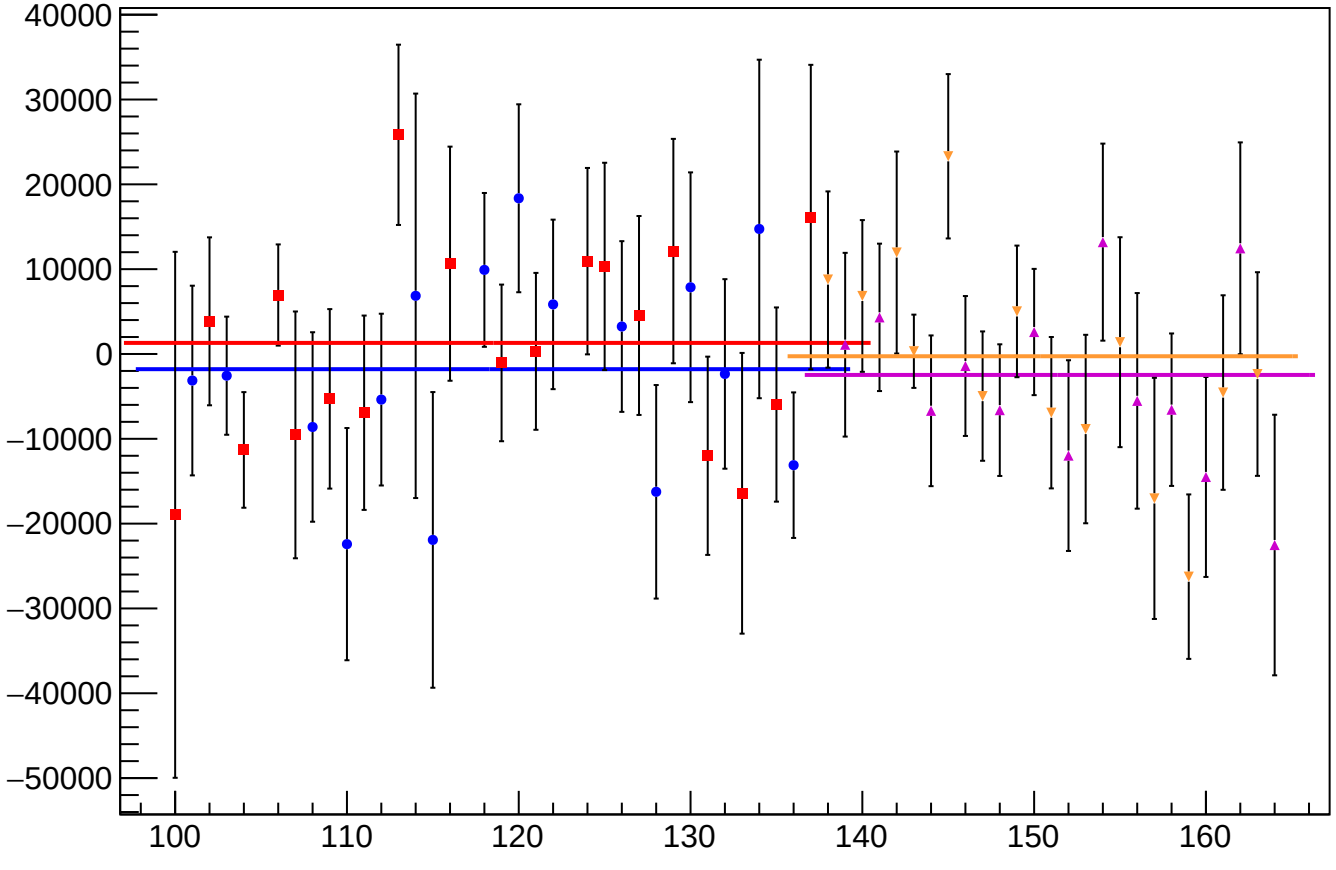
Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1775.557+/-0.296 χ^2/NDF: 838777.7/29

All: 1763.245+/-0.208 χ^2/NDF: 1417928.5/61

- 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: -267.717+/-2329.869 χ^2/NDF:19.1/13

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

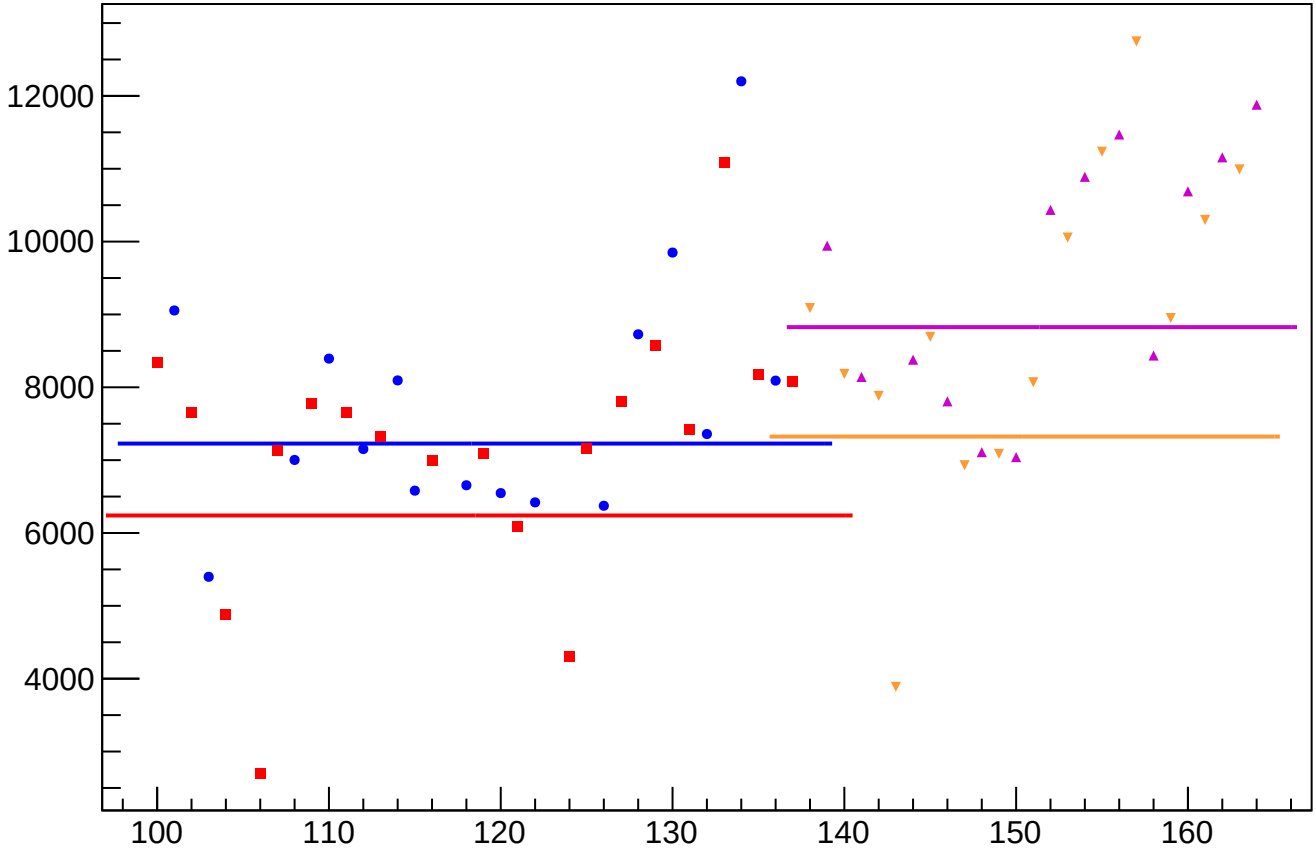
Left In: -2470.187+/-2716.279 χ^2/NDF:8.7/12

+ sign -905.967+/-1775.923 χ^2/NDF: 33.6/29

All: -644.488+/-1268.014 χ^2/NDF: 61.2/61

- 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: 7323.399+/-1.647 χ^2/NDF:2396602.9/13

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

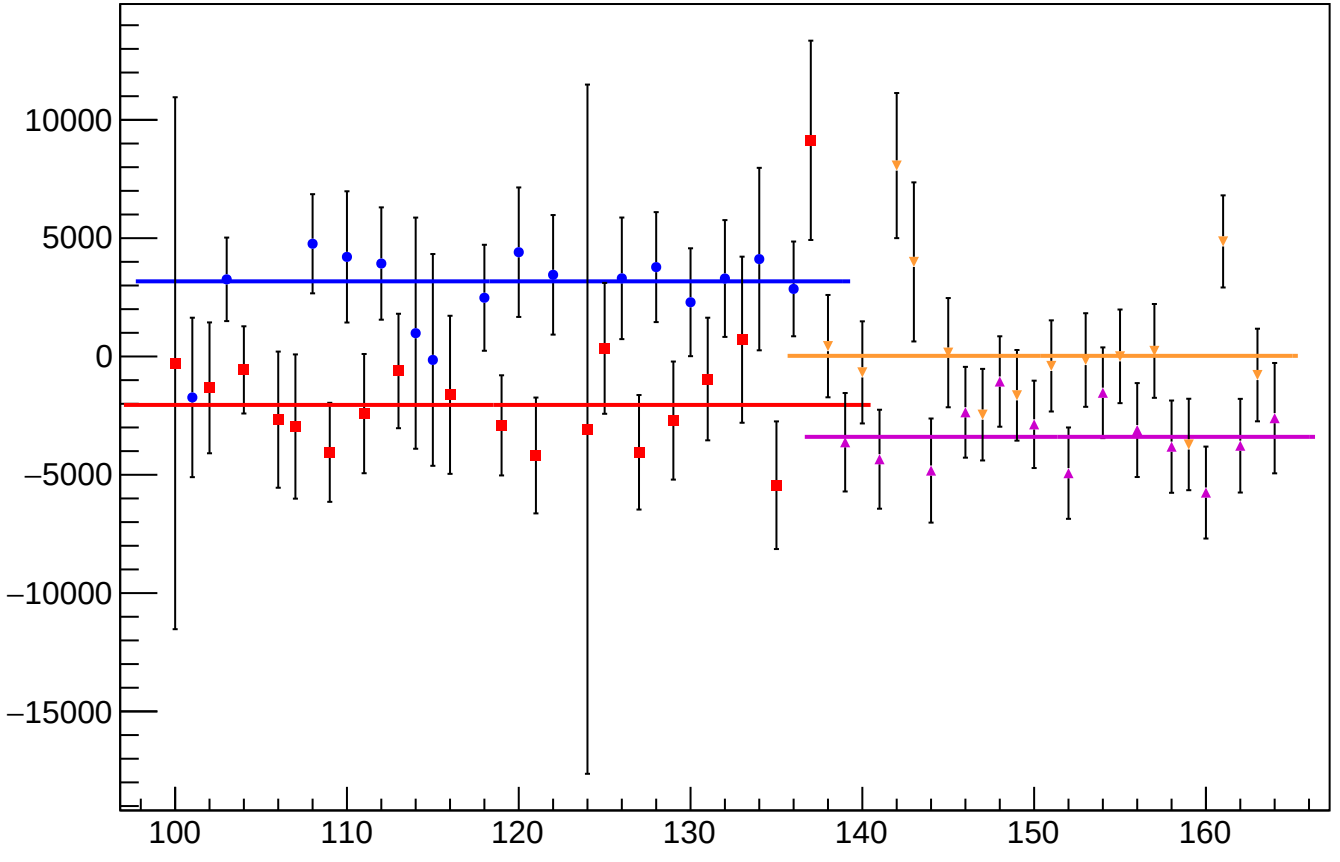
Left In: 8826.002+/-1.921 χ^2/NDF:675300.9/12

+ sign 7283.256+/-1.256 χ^2/NDF: 2901280.8/29

All: 7335.549+/-0.897 χ^2/NDF: 5985646.0/61

- sign 7389.932+/-1.281 χ^2/NDF: 3080827.7/31

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

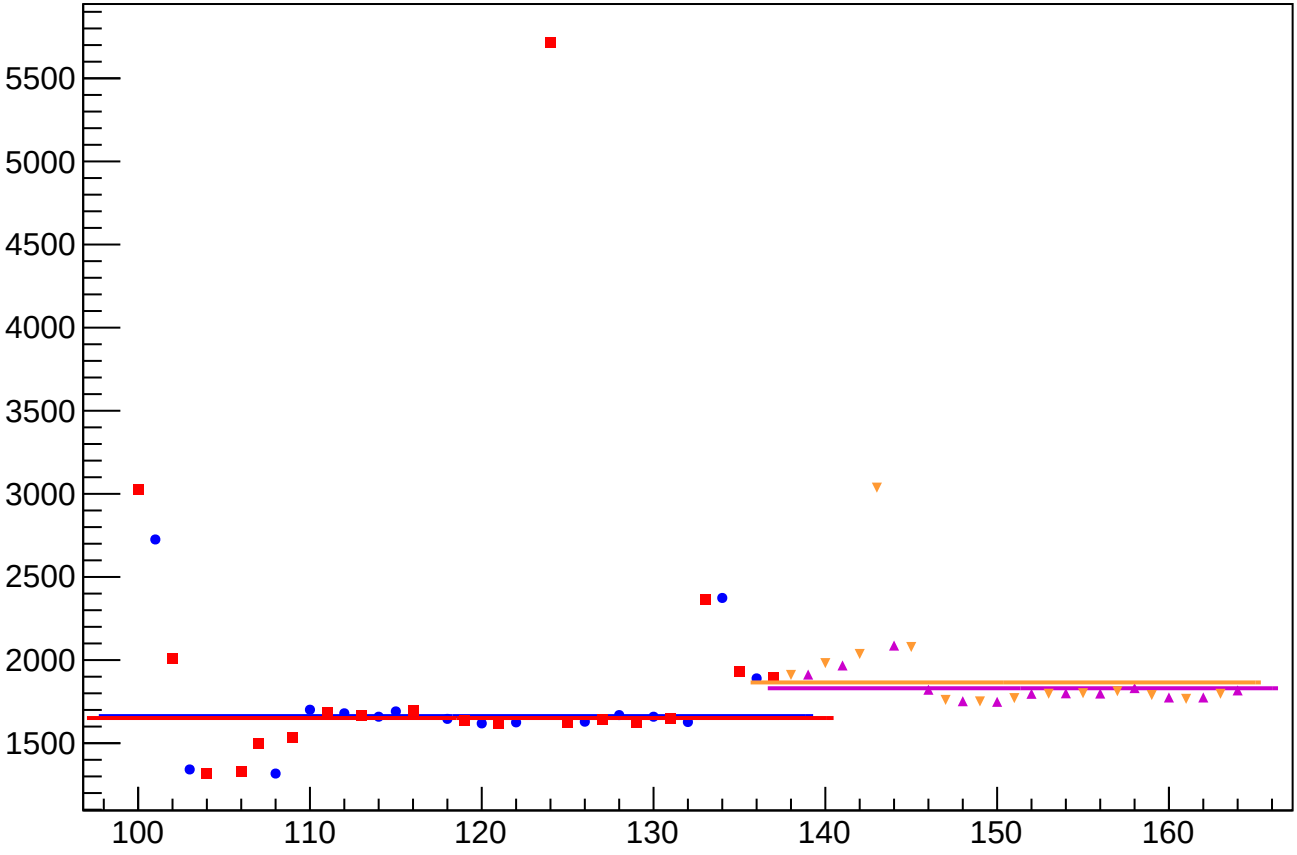
Left In: -3396.641+/-553.321 χ^2/NDF:5.8/12

+ sign 1424.227+/-418.345 χ^2/NDF: 39.3/29

All: -713.661+/-294.003 χ^2/NDF: 113.3/61

- 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: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

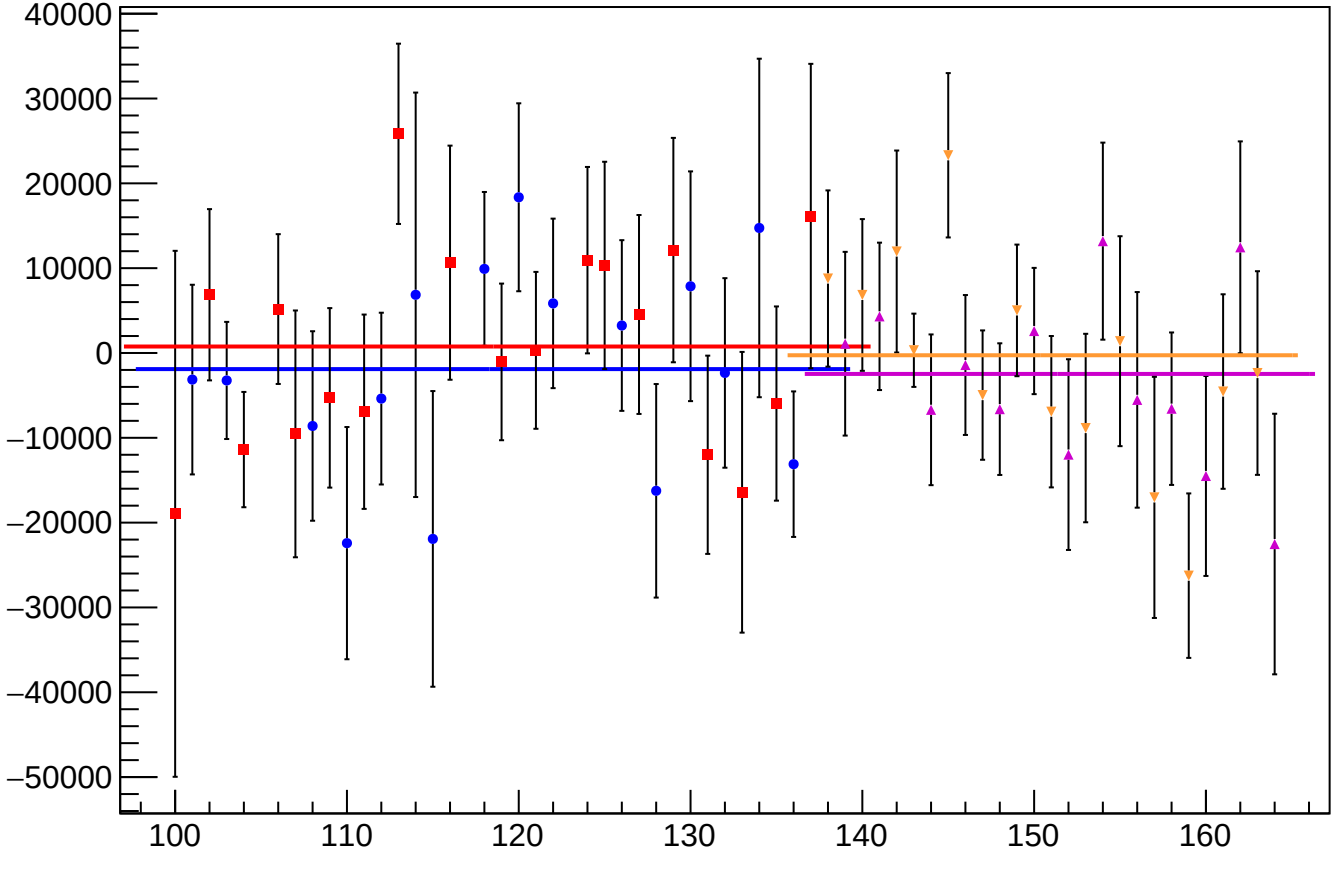
Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1775.557+/-0.296 χ^2/NDF: 838778.2/29

All: 1763.245+/-0.208 χ^2/NDF: 1417929.3/61

- 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: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

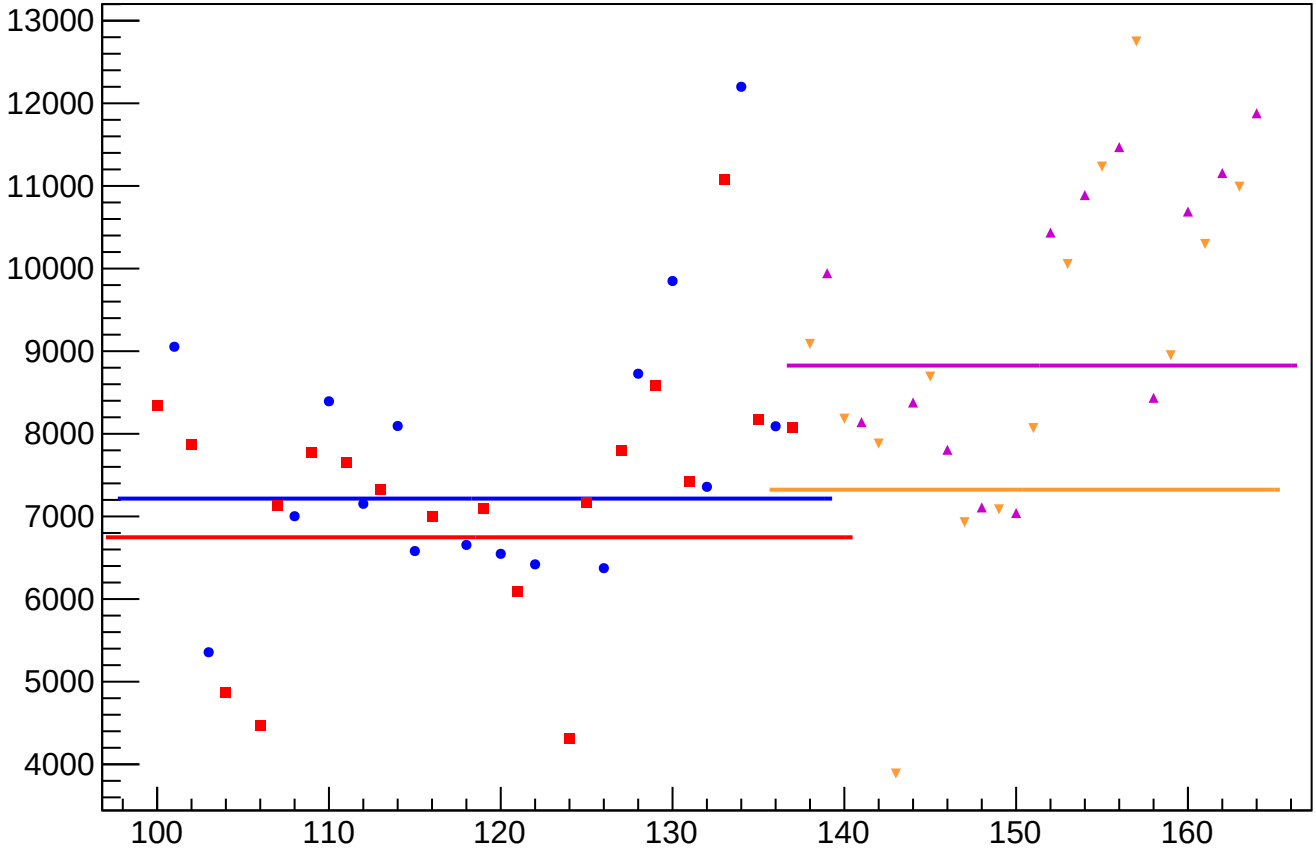
Left In: -2470.324+/-2716.278 χ^2/NDF:8.7/12

\+ sign -952.790+/-1774.925 χ^2/NDF: 33.7/29

All: -856.995+/-1283.790 χ^2/NDF: 60.4/61

\- 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: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

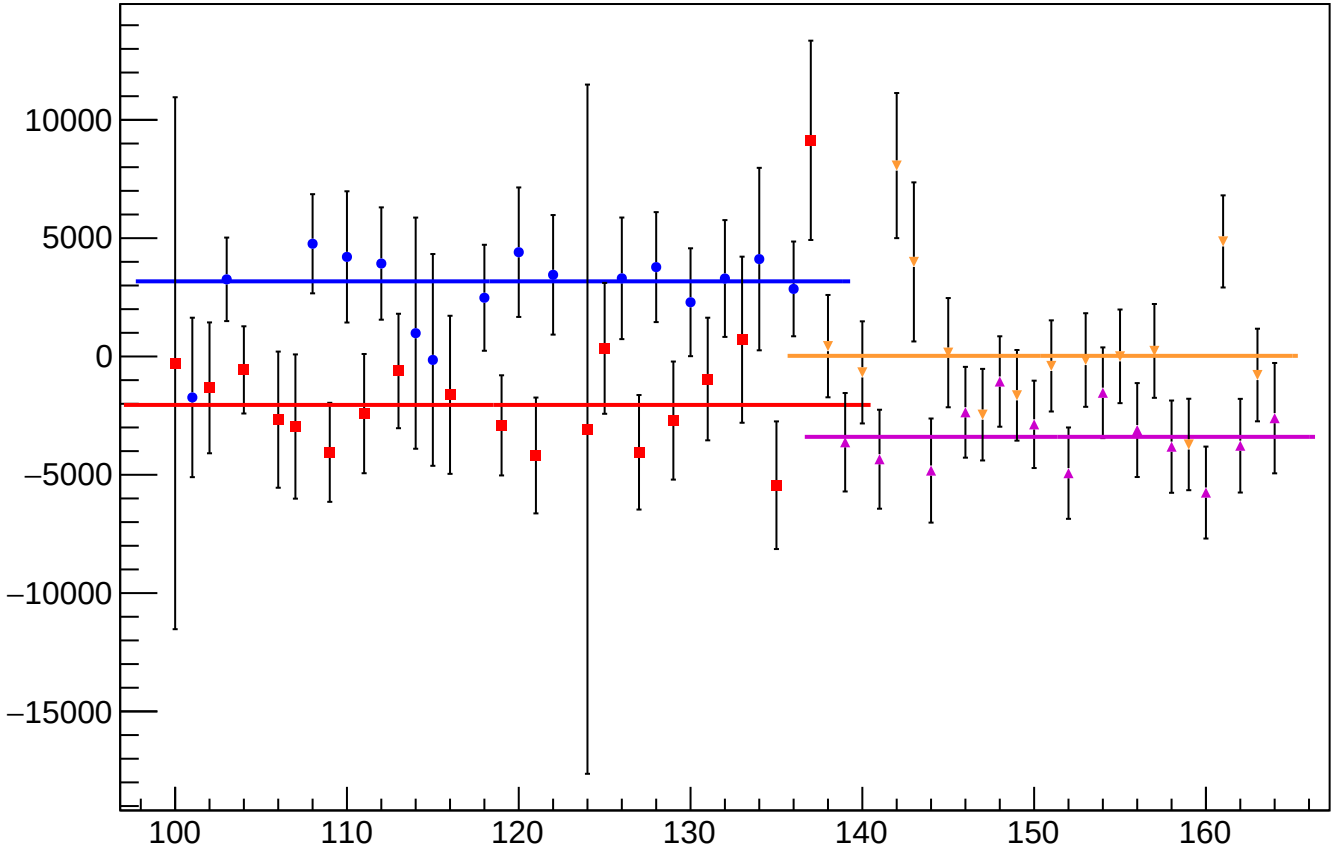
Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

+ sign 7278.322+/-1.255 χ^2/NDF: 2910565.1/29

All: 7489.550+/-0.908 χ^2/NDF: 4976406.1/61

- sign 7721.290+/-1.315 χ^2/NDF: 2006439.8/31

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

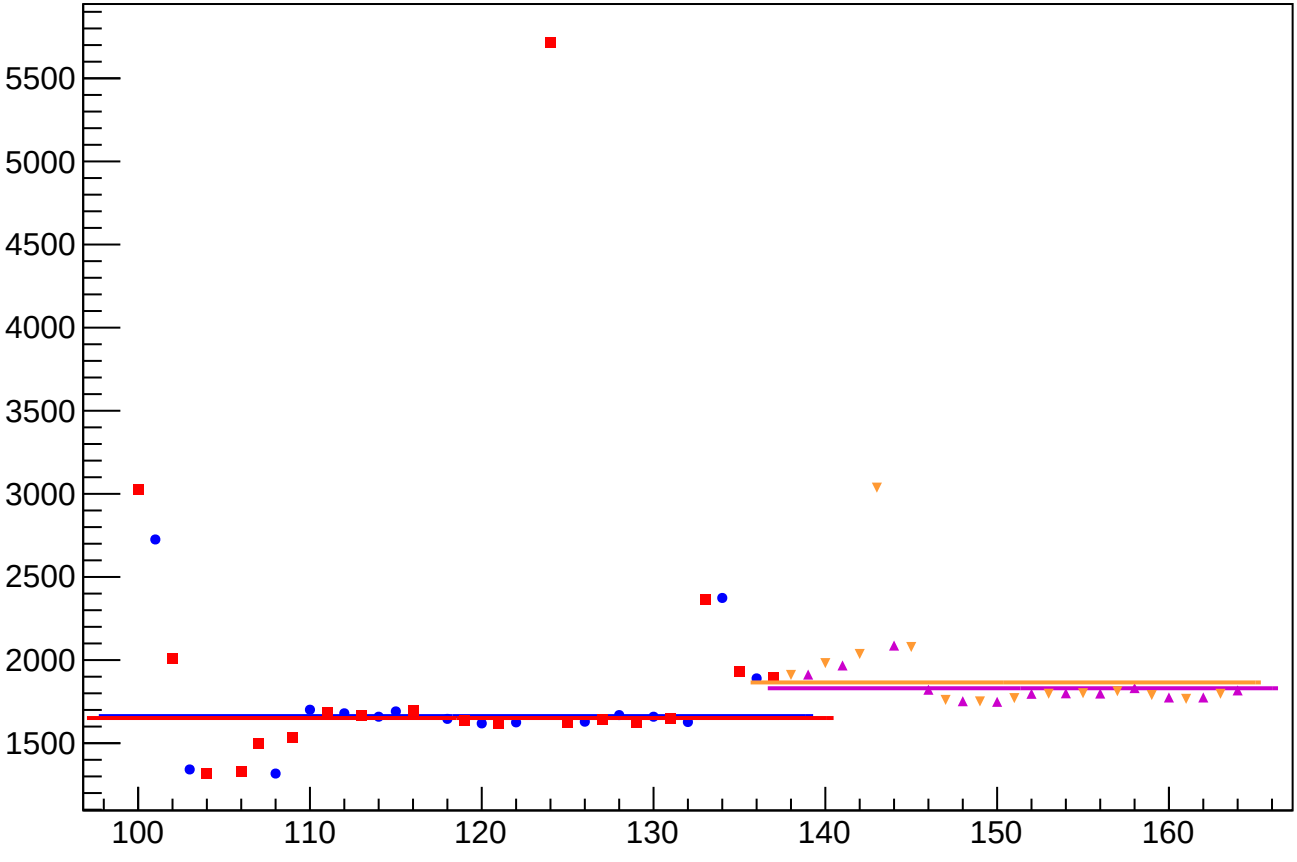
Left In: -3396.641+/-553.321 χ^2/NDF:5.8/12

+ sign 1424.227+/-418.345 χ^2/NDF: 39.3/29

All: -713.661+/-294.003 χ^2/NDF: 113.3/61

- 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: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

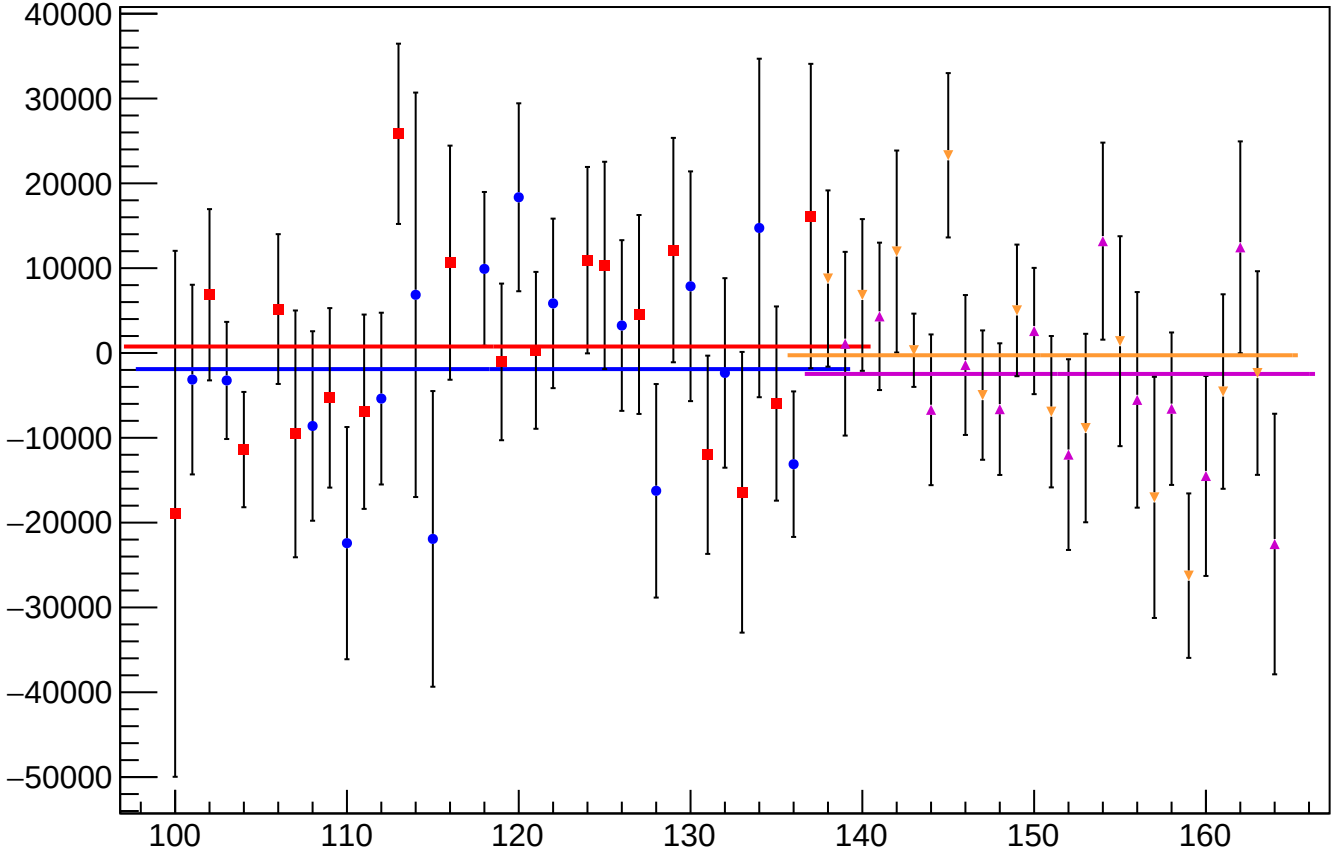
Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1775.557+/-0.296 χ^2/NDF: 838778.2/29

All: 1763.245+/-0.208 χ^2/NDF: 1417929.3/61

- sign 1751.230+/-0.292 χ^2/NDF: 575728.3/31

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

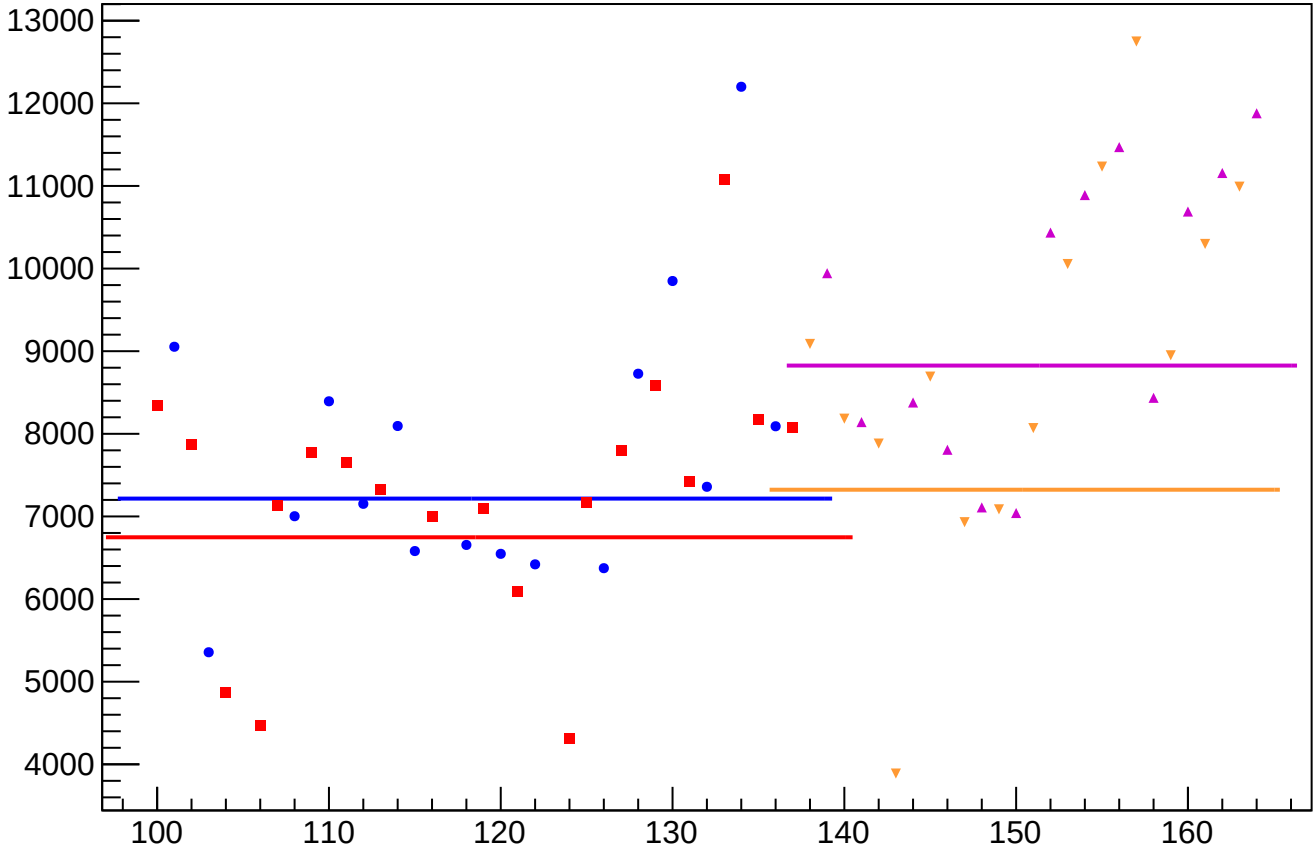
Left In: -2470.324+/-2716.278 χ^2/NDF:8.7/12

\+ sign -952.790+/-1774.925 χ^2/NDF: 33.7/29

All: -856.995+/-1283.790 χ^2/NDF: 60.4/61

\- 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: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

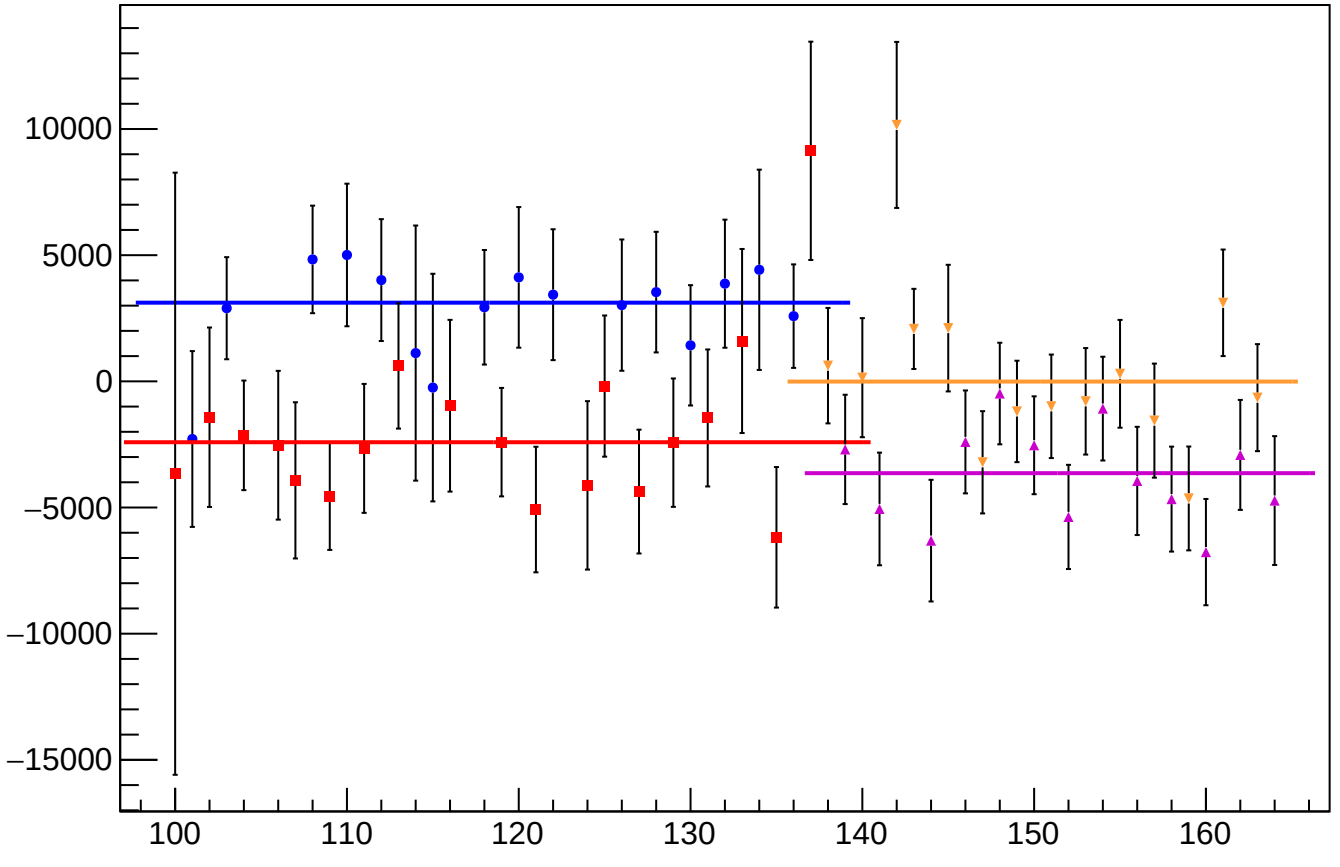
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

+ sign 7278.322+/-1.255 χ^2/NDF: 2910565.1/29

All: 7489.550+/-0.908 χ^2/NDF: 4976406.1/61

- 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: -8.997+/-570.745 χ^2/NDF:23.1/13

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

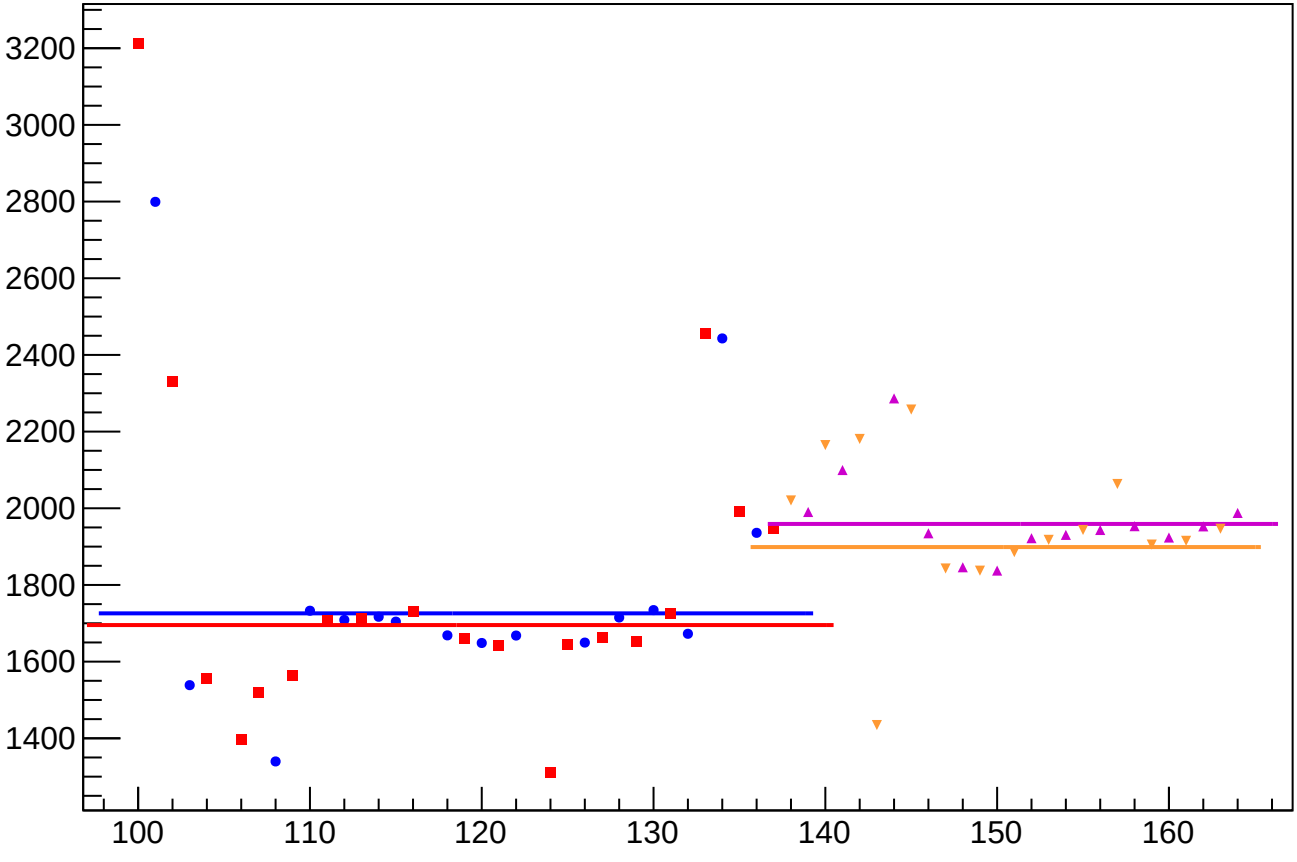
Left In: -3638.676+/-592.531 χ^2/NDF:10.0/12

+ sign 1349.643+/-429.197 χ^2/NDF: 41.5/29

All: -833.990+/-305.342 χ^2/NDF: 121.8/61

- 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: 1898.815+/-0.404 χ^2/NDF:273847.5/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

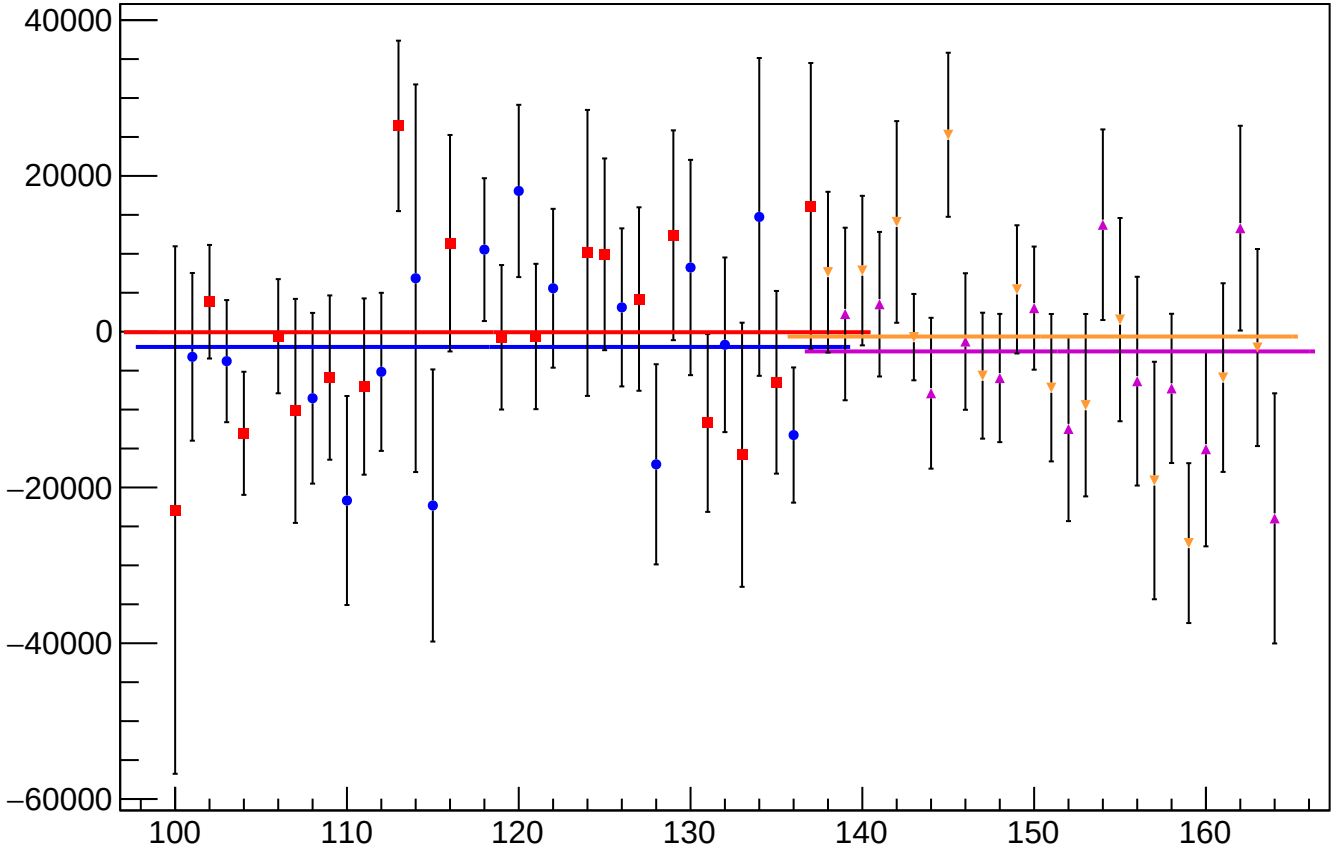
Left In: 1959.140+/-0.419 χ^2/NDF:61719.1/12

+ sign 1823.687+/-0.303 χ^2/NDF: 719240.1/29

All: 1830.341+/-0.216 χ^2/NDF: 1250829.7/61

- 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: -622.697+/-2590.504 χ^2/NDF:19.1/13

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

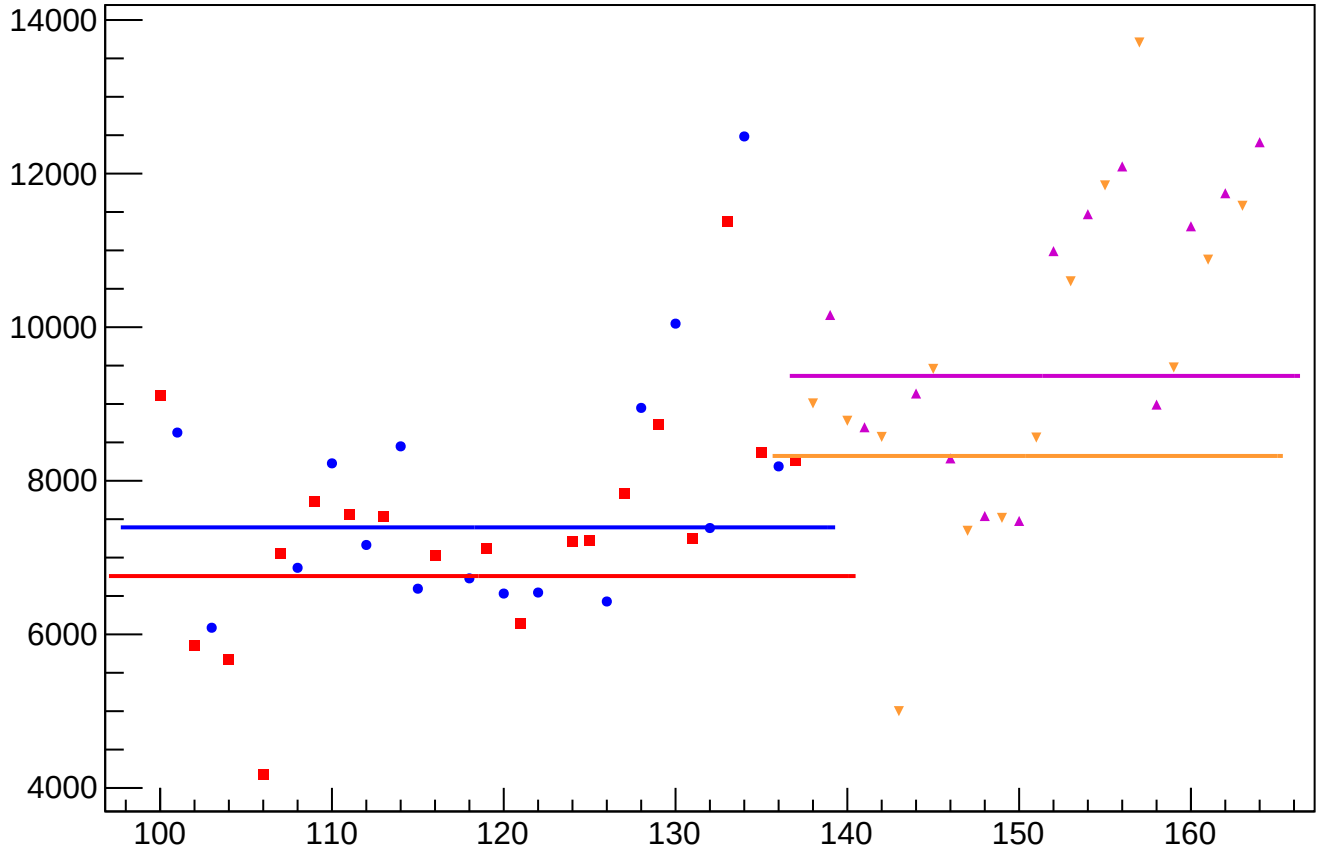
Left In: -2533.175+/-2879.919 χ^2/NDF:8.7/12

+ sign -1239.191+/-1900.987 χ^2/NDF: 33.6/29

All: -1190.415+/-1344.036 χ^2/NDF: 58.8/61

- 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: 8323.349+/-1.832 χ^2/NDF:1522937.6/13

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

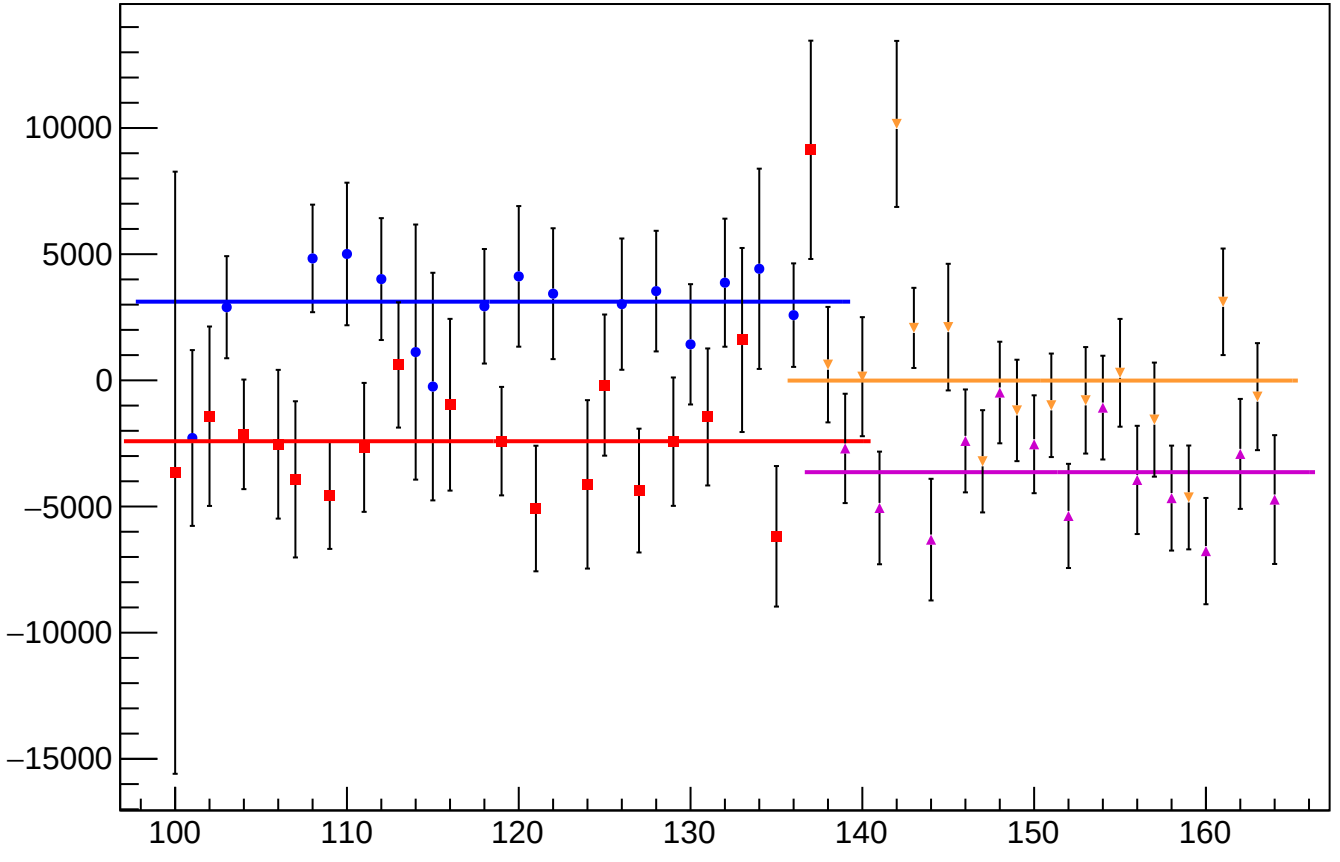
Left In: 9365.727+/-2.036 χ^2/NDF:633116.6/12

\+ sign 7894.285+/-1.344 χ^2/NDF: 2043652.6/29

All: 7894.373+/-0.950 χ^2/NDF: 4245725.4/61

\- sign 7894.462+/-1.344 χ^2/NDF: 2202072.7/31

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: -9.012+/-570.746 χ^2/NDF:23.1/13

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

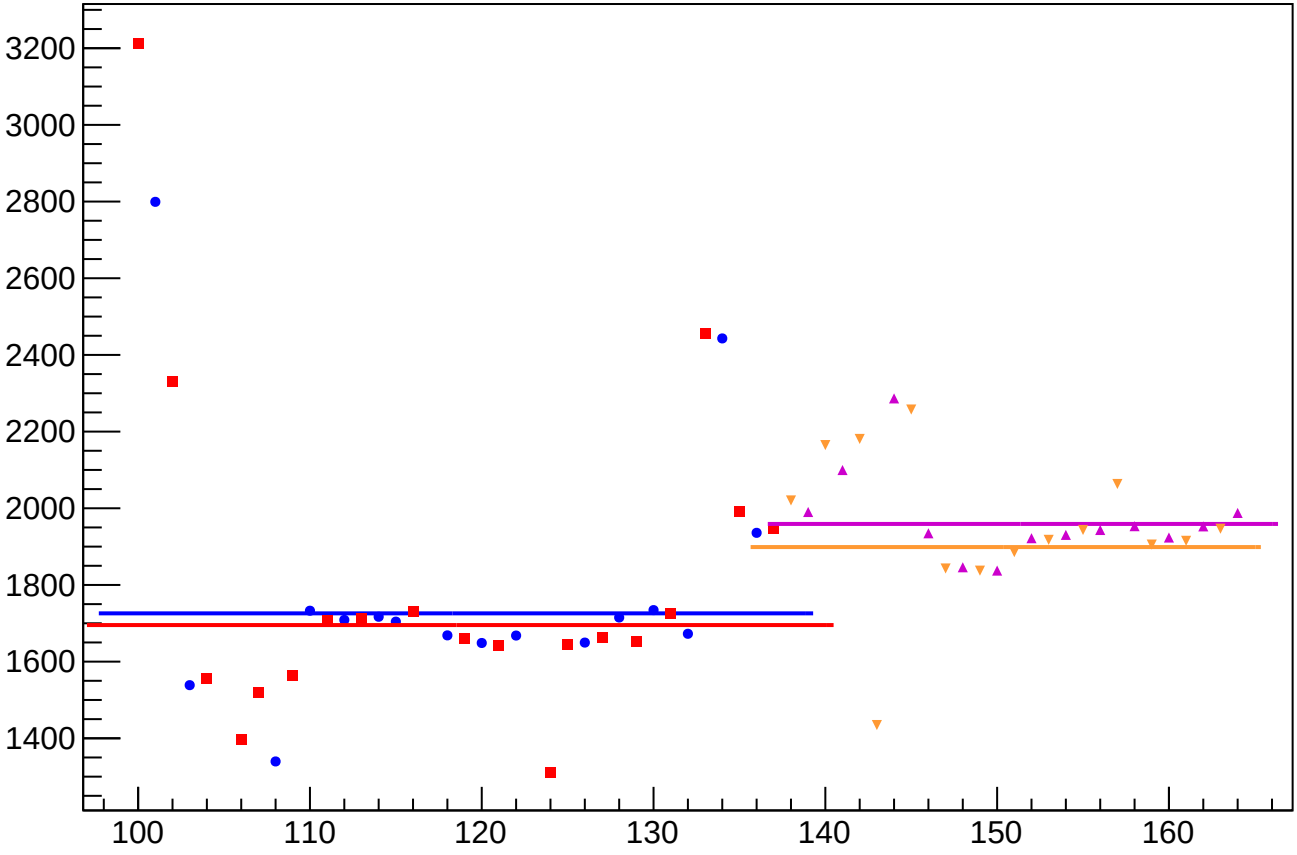
Left In: -3638.678+/-592.532 χ^2/NDF:10.0/12

+ sign 1349.639+/-429.198 χ^2/NDF: 41.5/29

All: -833.994+/-305.342 χ^2/NDF: 121.8/61

- 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: 1898.818+/-0.404 χ^2/NDF:273848.8/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

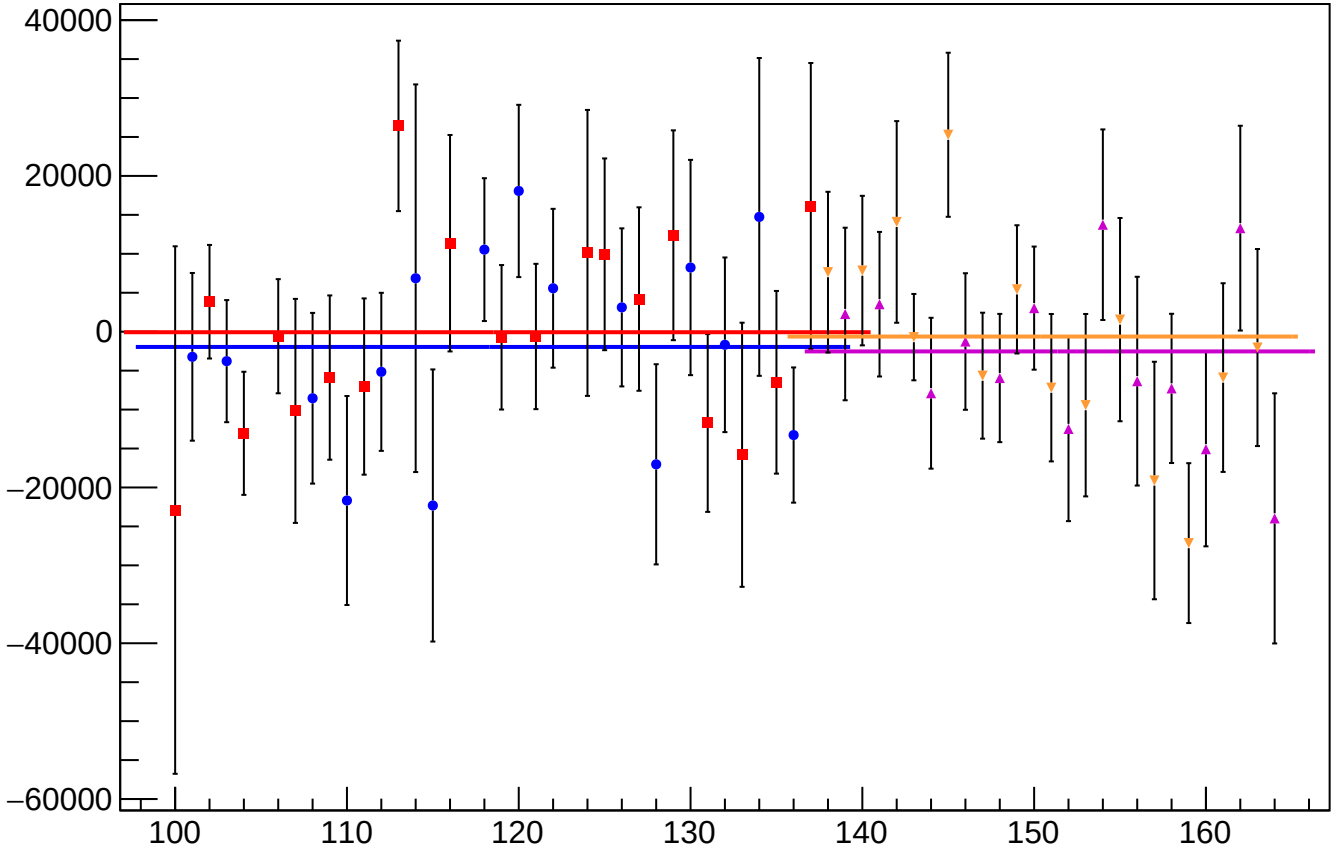
Left In: 1959.143+/-0.419 χ^2/NDF:61719.5/12

+ sign 1823.689+/-0.303 χ^2/NDF: 719245.0/29

All: 1830.342+/-0.216 χ^2/NDF: 1250840.7/61

- 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: -622.707+/-2590.508 χ^2/NDF:19.1/13

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

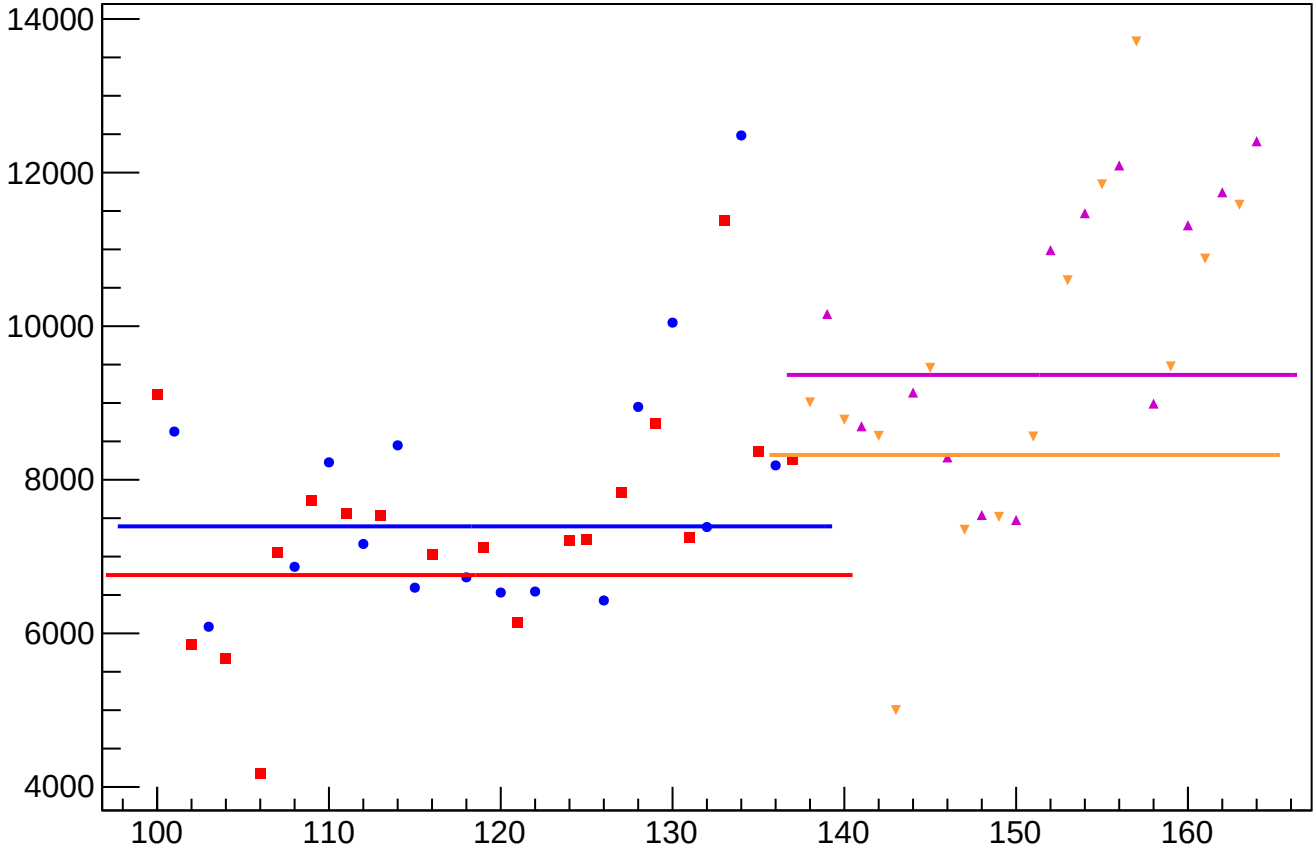
Left In: -2533.172+/-2879.923 χ^2/NDF:8.7/12

+ sign -1239.189+/-1900.986 χ^2/NDF: 33.6/29

All: -1190.413+/-1344.035 χ^2/NDF: 58.8/61

- sign -1141.661+/-1900.520 χ^2/NDF: 25.2/31

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8323.361+/-1.832 χ^2/NDF:1522937.6/13

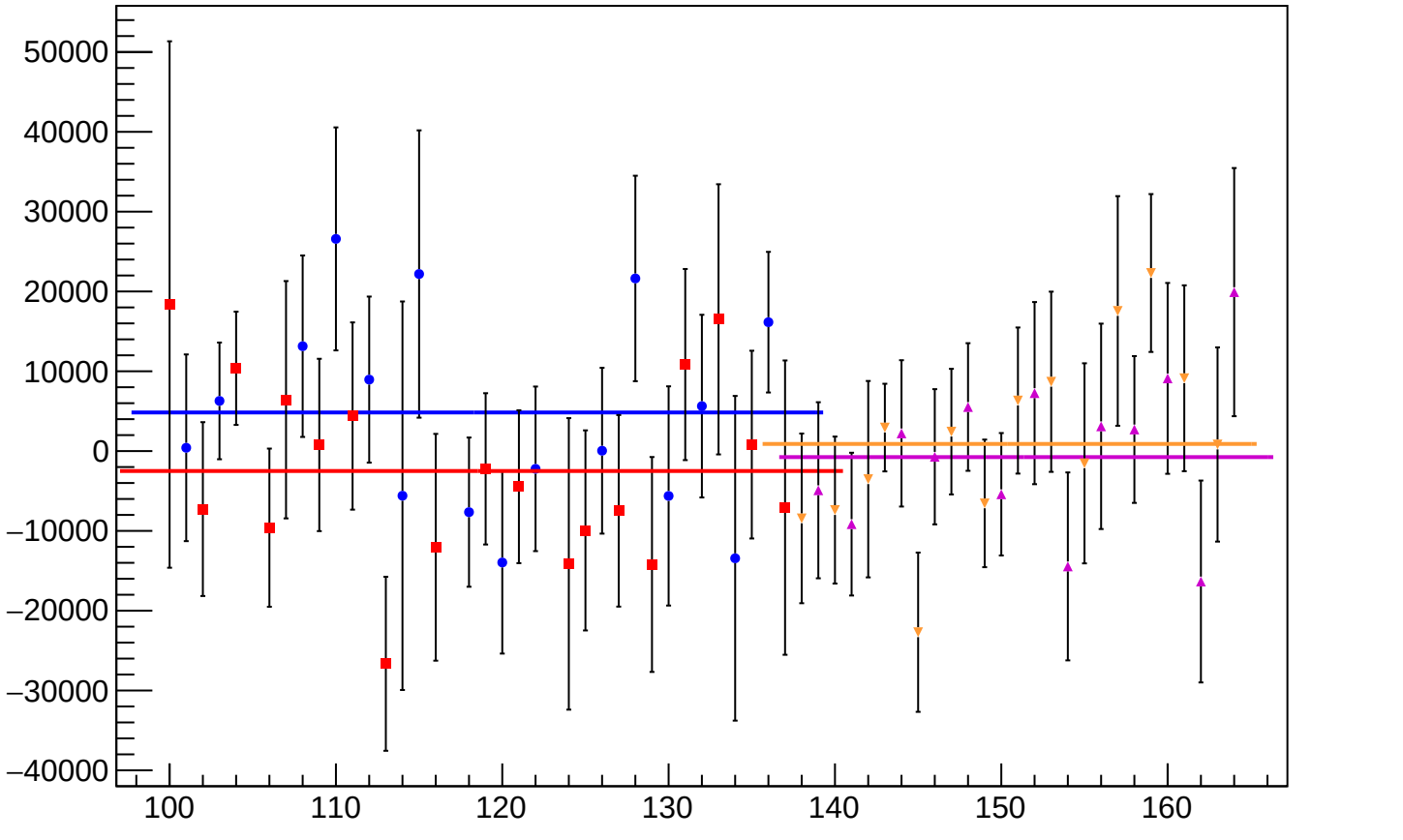
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9365.739+/-2.036 χ^2/NDF:633118.2/12

+ sign 7894.282+/-1.344 χ^2/NDF: 2043662.7/29

All: 7894.368+/-0.950 χ^2/NDF: 4245755.4/61

- sign 7894.455+/-1.344 χ^2/NDF: 2202092.7/31



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 895.239+/-2518.964 χ^2/NDF:15.7/13

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

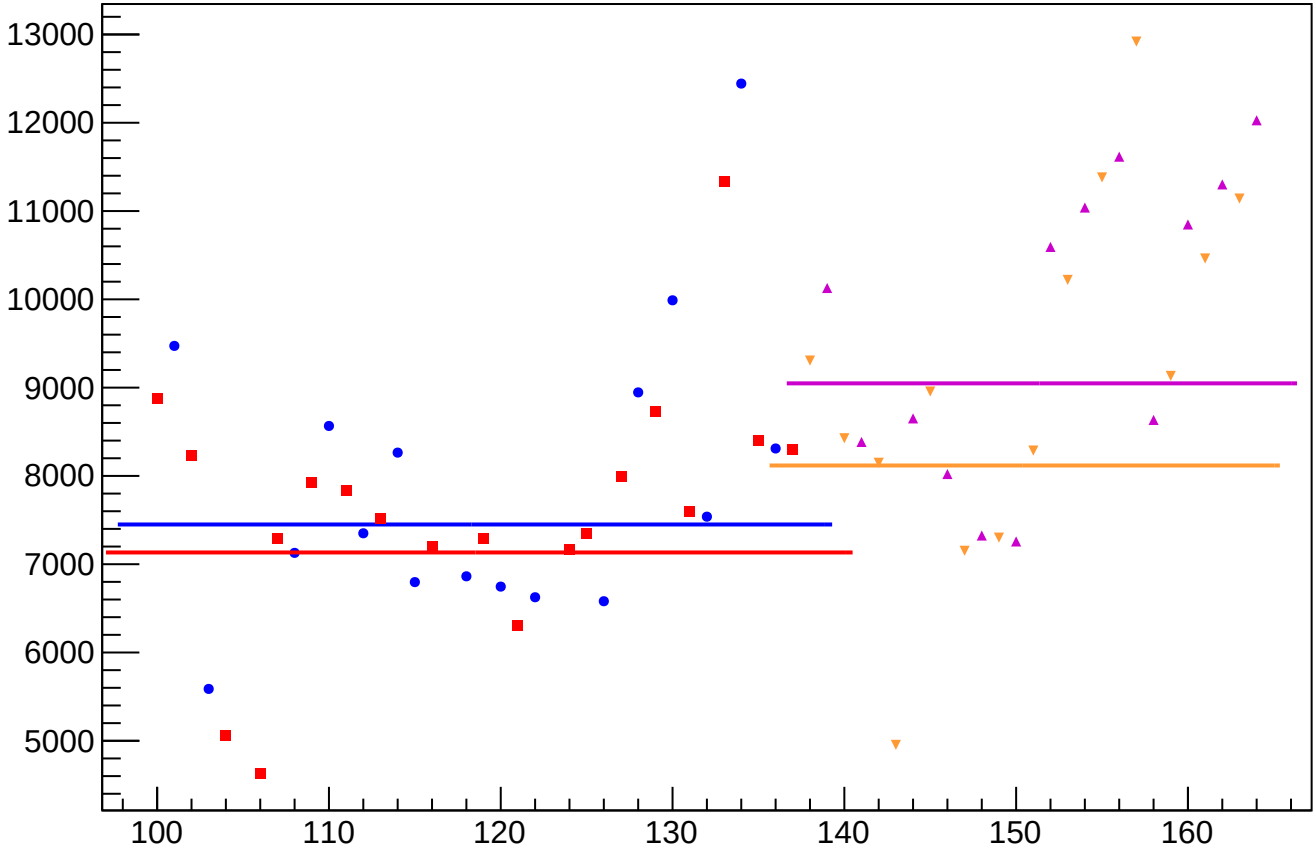
Left In: -754.765+/-2780.706 χ^2/NDF:8.2/12

+ sign 2638.790+/-1881.253 χ^2/NDF: 31.2/29

All: 554.116+/-1348.997 χ^2/NDF: 57.0/61

- 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: 8118.189+/-1.781 χ^2/NDF:1410511.9/13

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

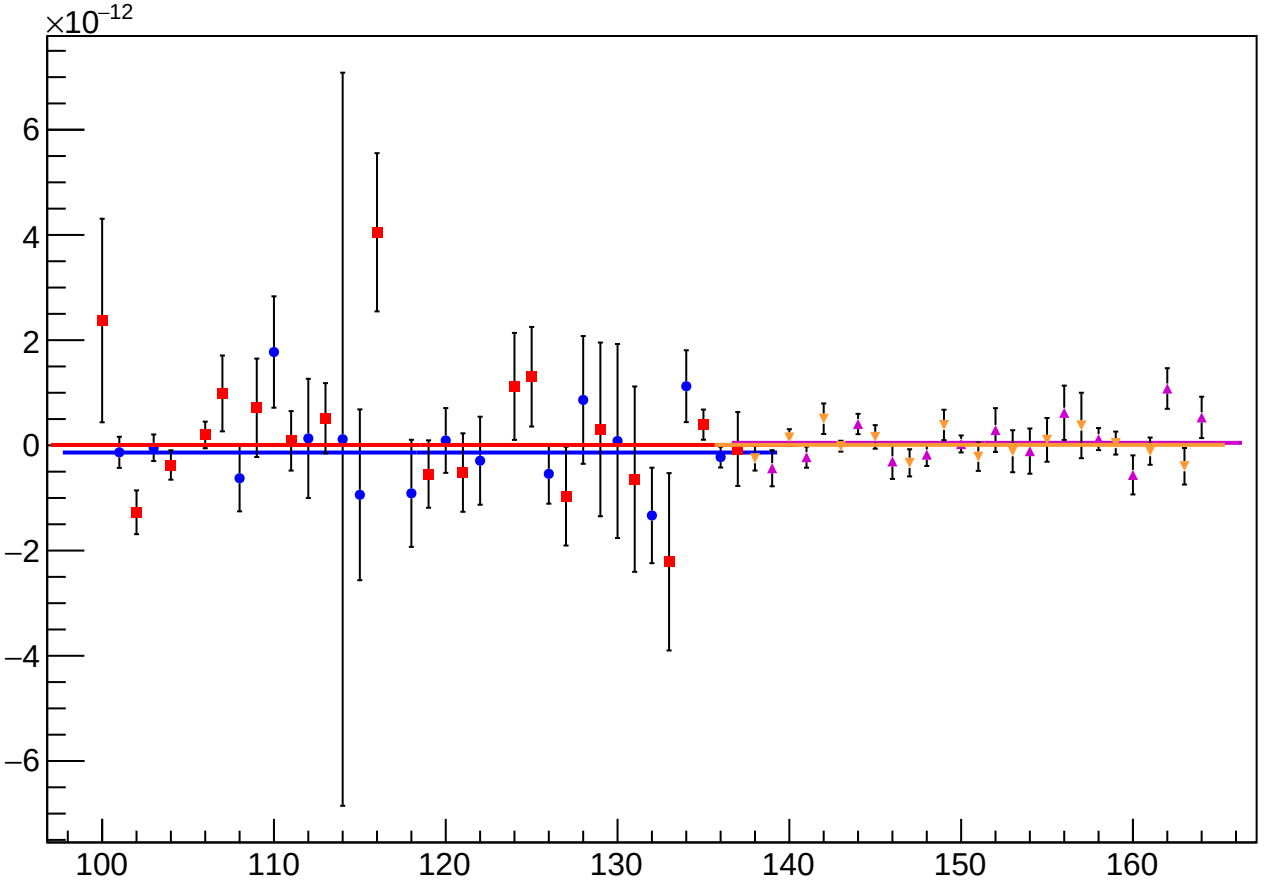
Left In: 9048.431+/-1.966 χ^2/NDF:625044.3/12

+ sign 7822.683+/-1.330 χ^2/NDF: 1959178.5/29

All: 7938.425+/-0.954 χ^2/NDF: 3646015.1/61

- 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:11.6/13

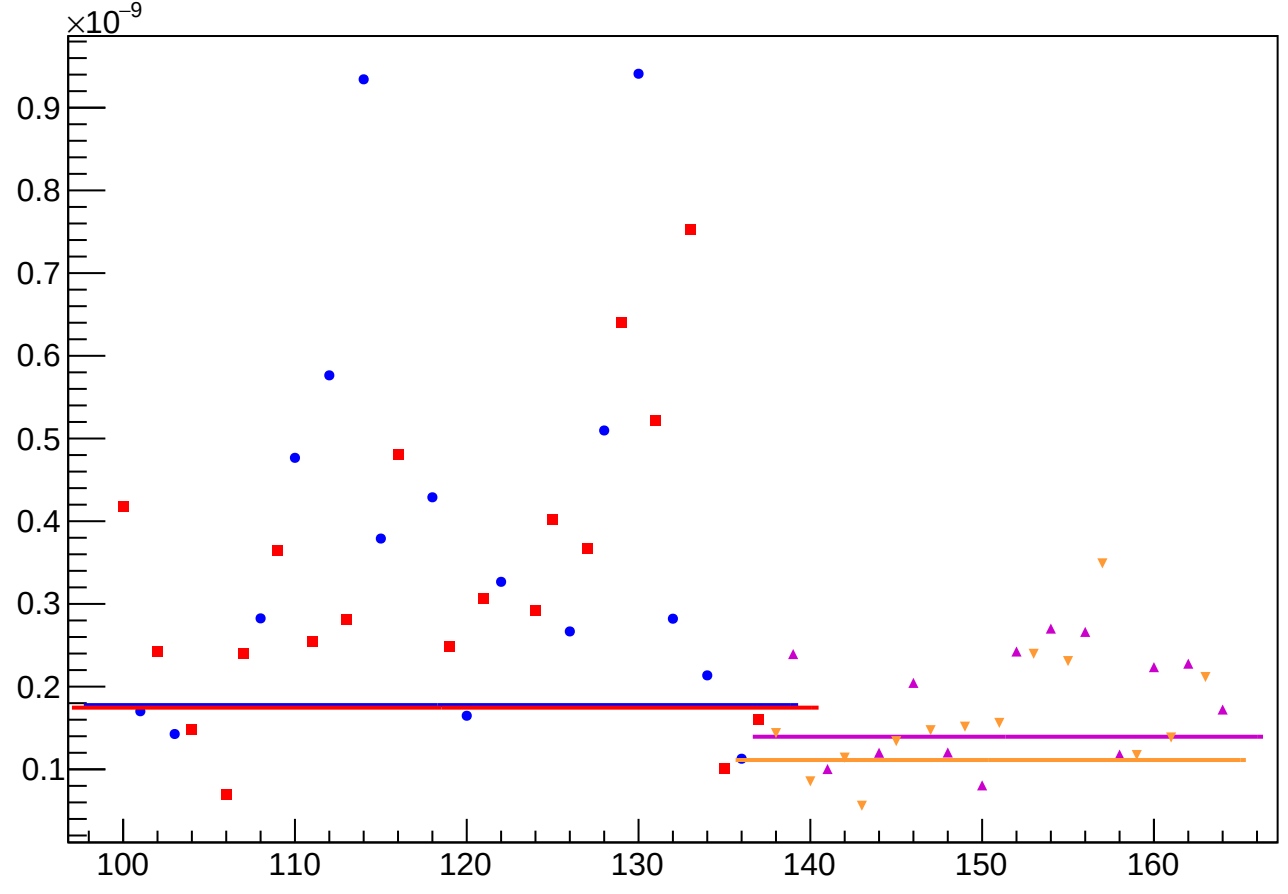
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:22.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: 0.000+/-0.000 χ^2/NDF: 80.3/61

- 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:1671940.6/13

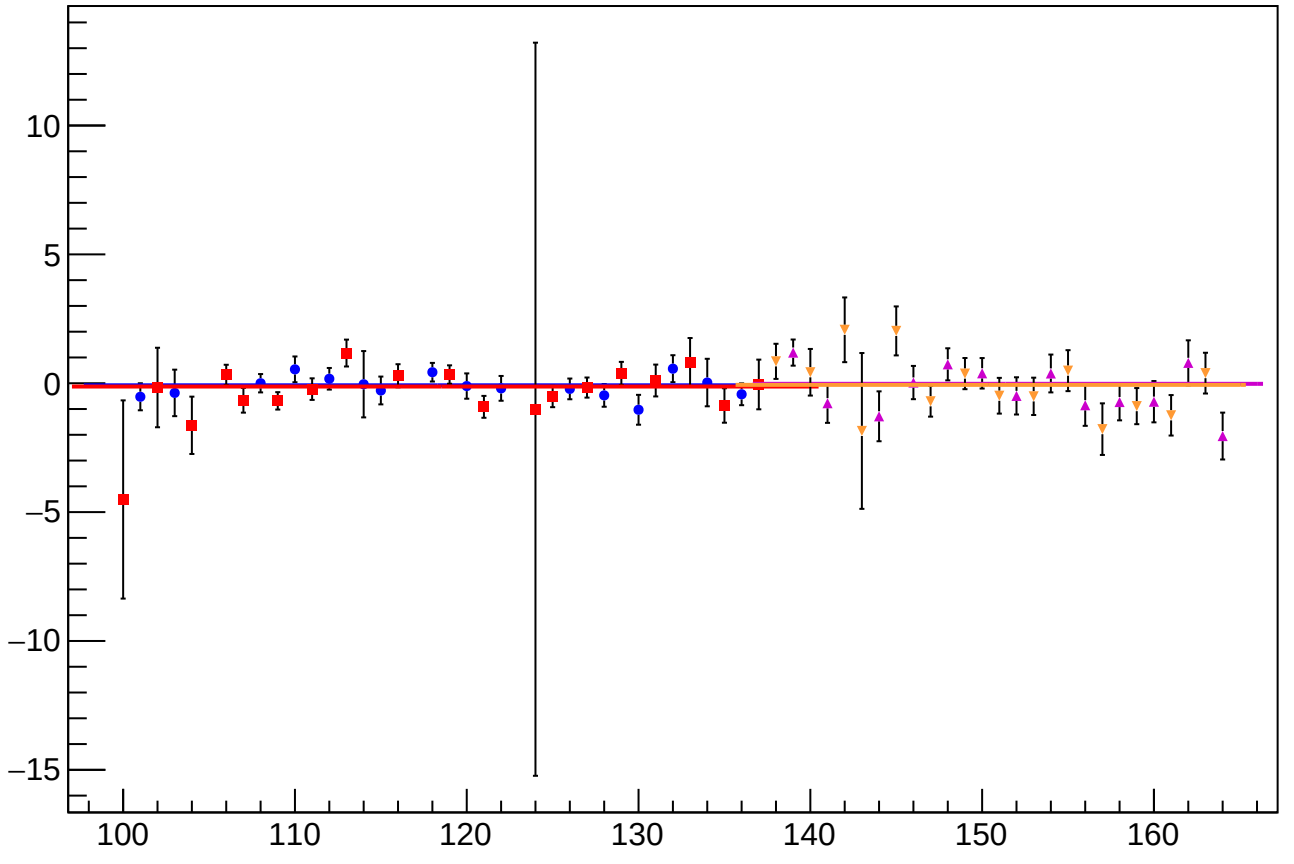
Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1291688.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 3694477.3/29

All: 0.000+/-0.000 χ^2/NDF: 6920995.1/61

- sign 0.000+/-0.000 χ^2/NDF: 3053781.6/31



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

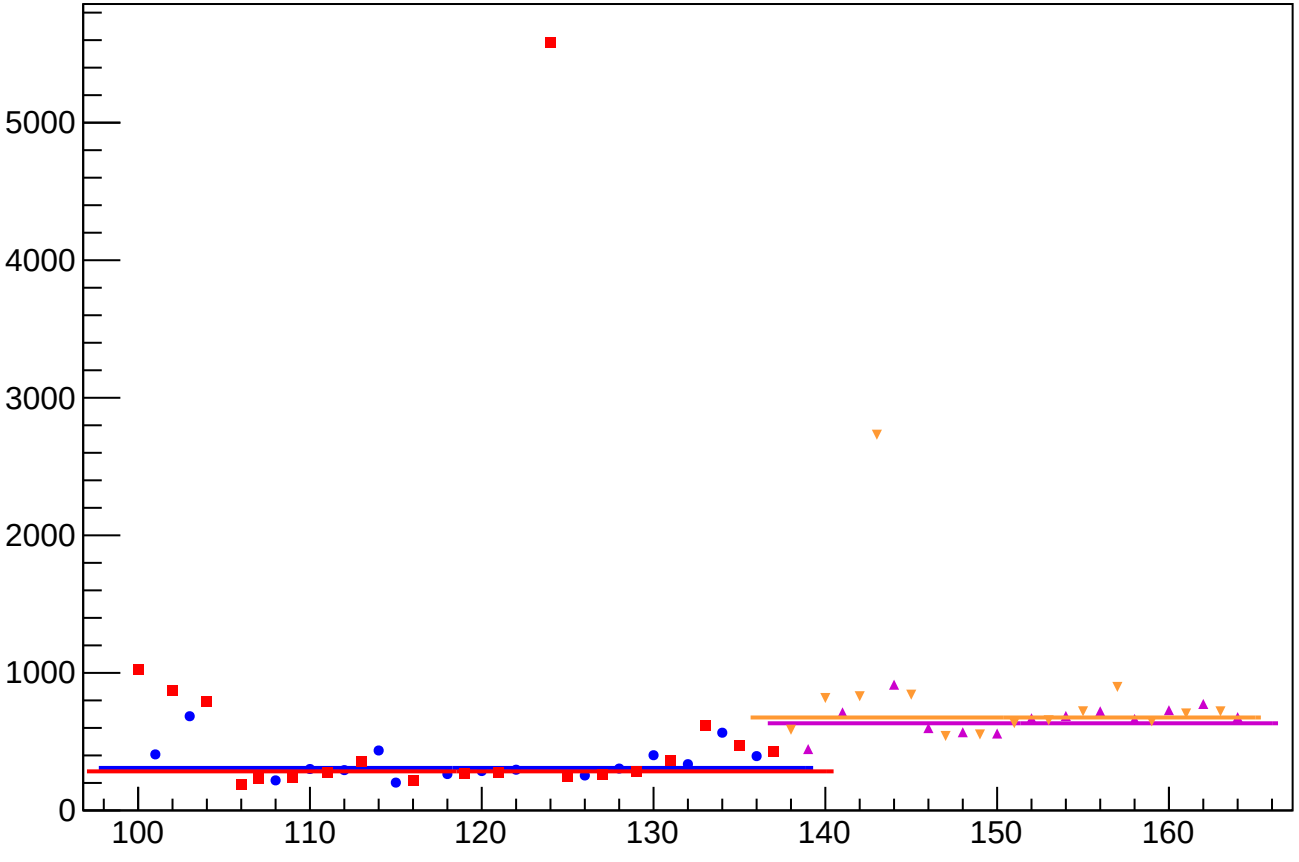
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.088+/-0.073 χ^2/NDF: 76.0/61

- 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: 675.849+/-0.149 χ^2/NDF:1409646.6/13

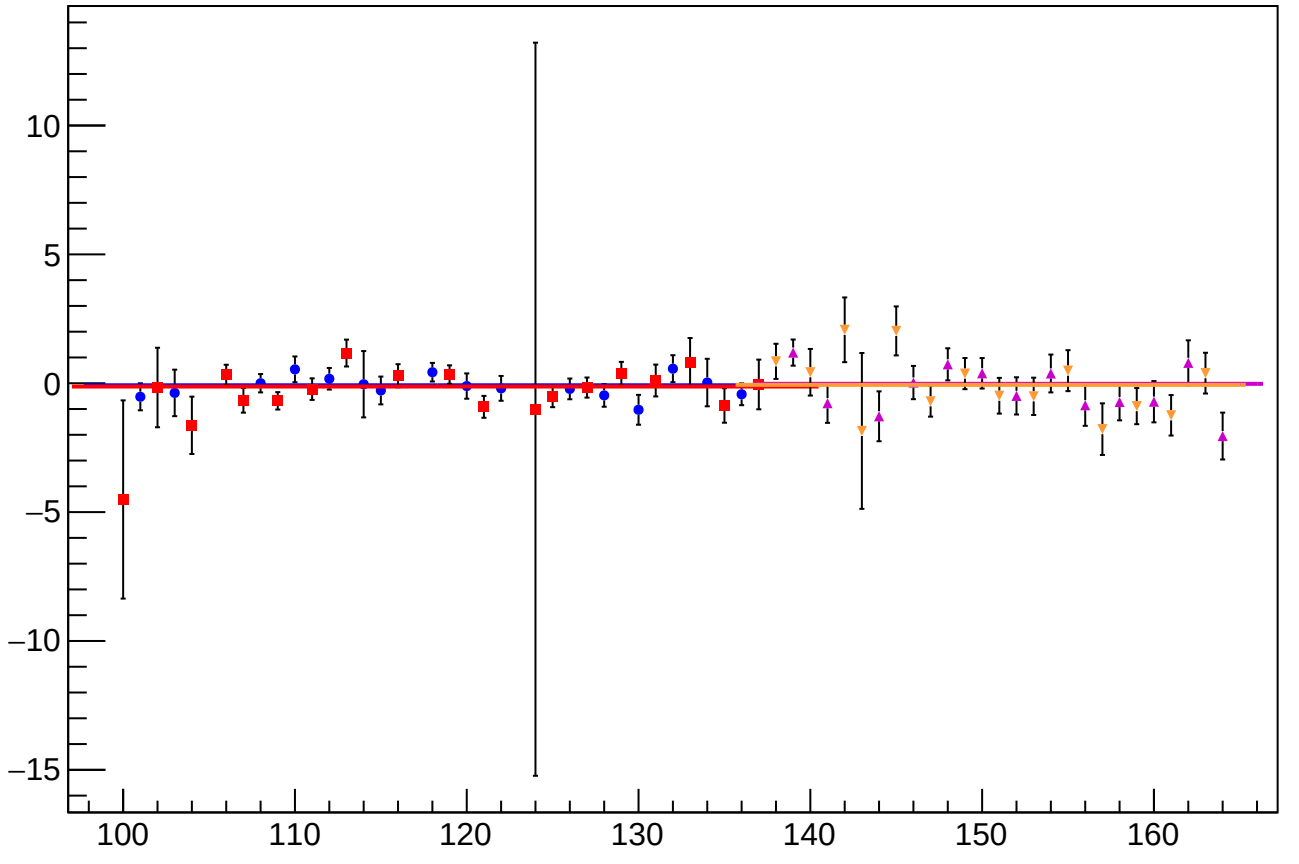
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

+ sign 401.250+/-0.075 χ^2/NDF: 6975871.7/29

All: 387.797+/-0.051 χ^2/NDF: 14218522.8/61

- 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: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

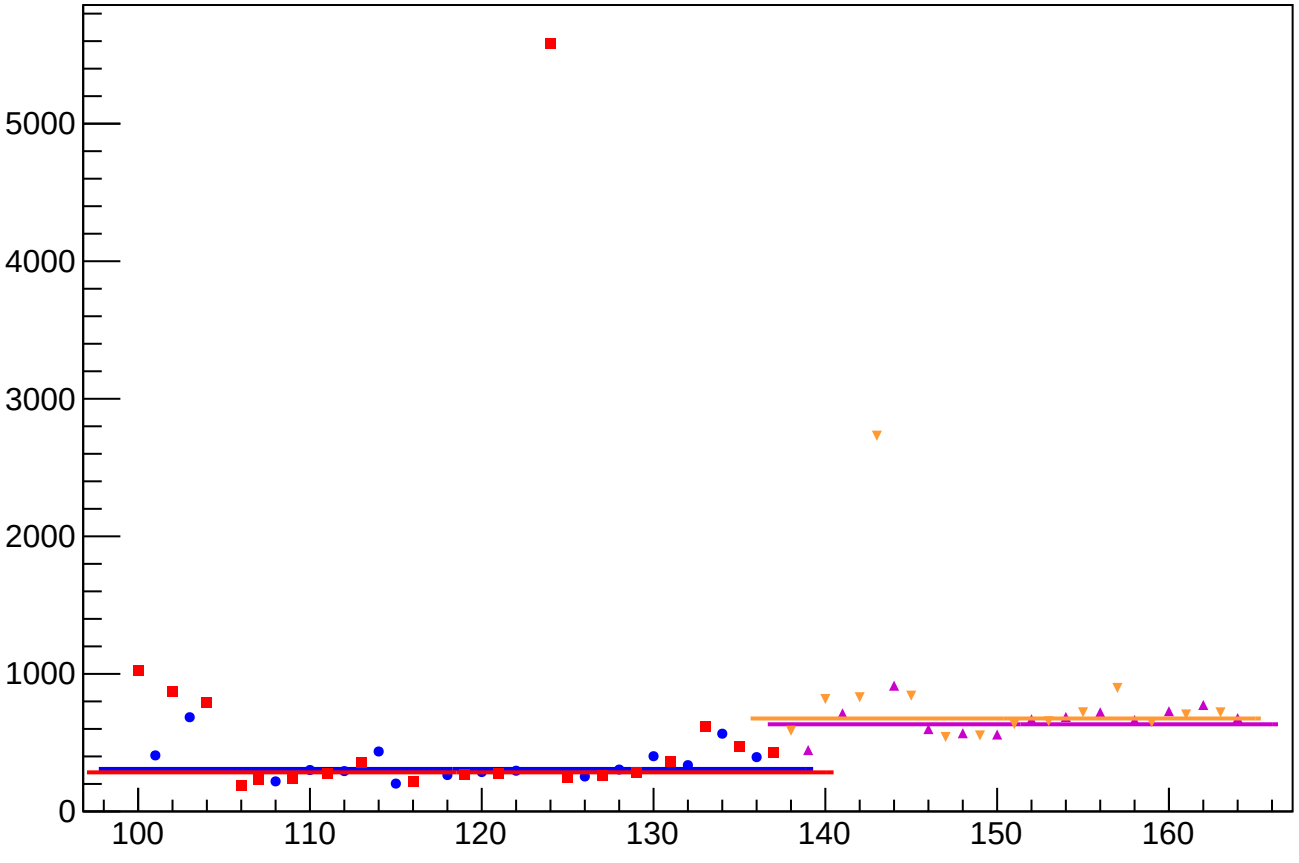
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.088+/-0.073 χ^2/NDF: 76.0/61

- 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: 675.849+/-0.149 χ^2/NDF:1409646.6/13

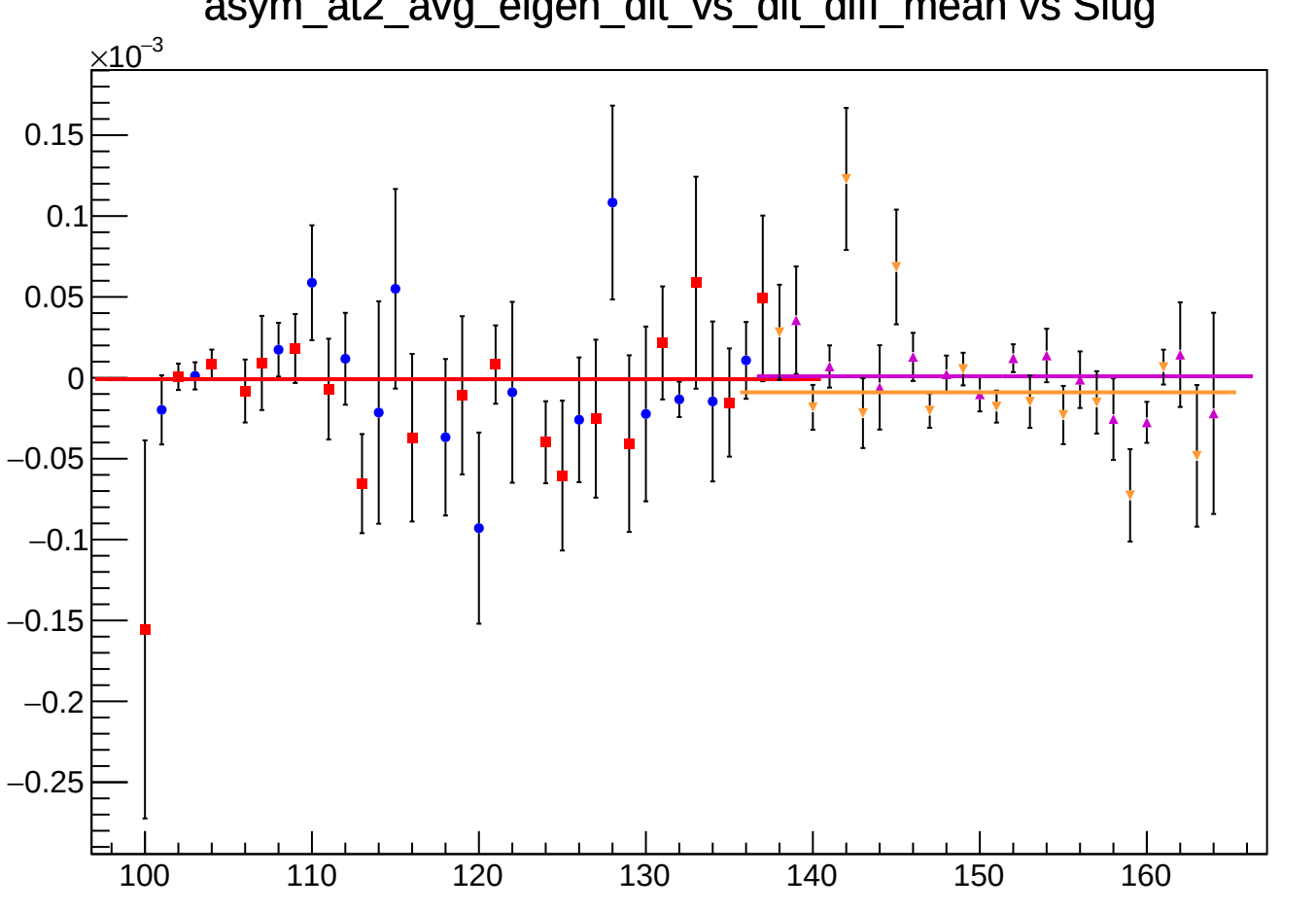
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

+ sign 401.250+/-0.075 χ^2/NDF: 6975871.7/29

All: 387.797+/-0.051 χ^2/NDF: 14218522.8/61

- 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:28.9/13

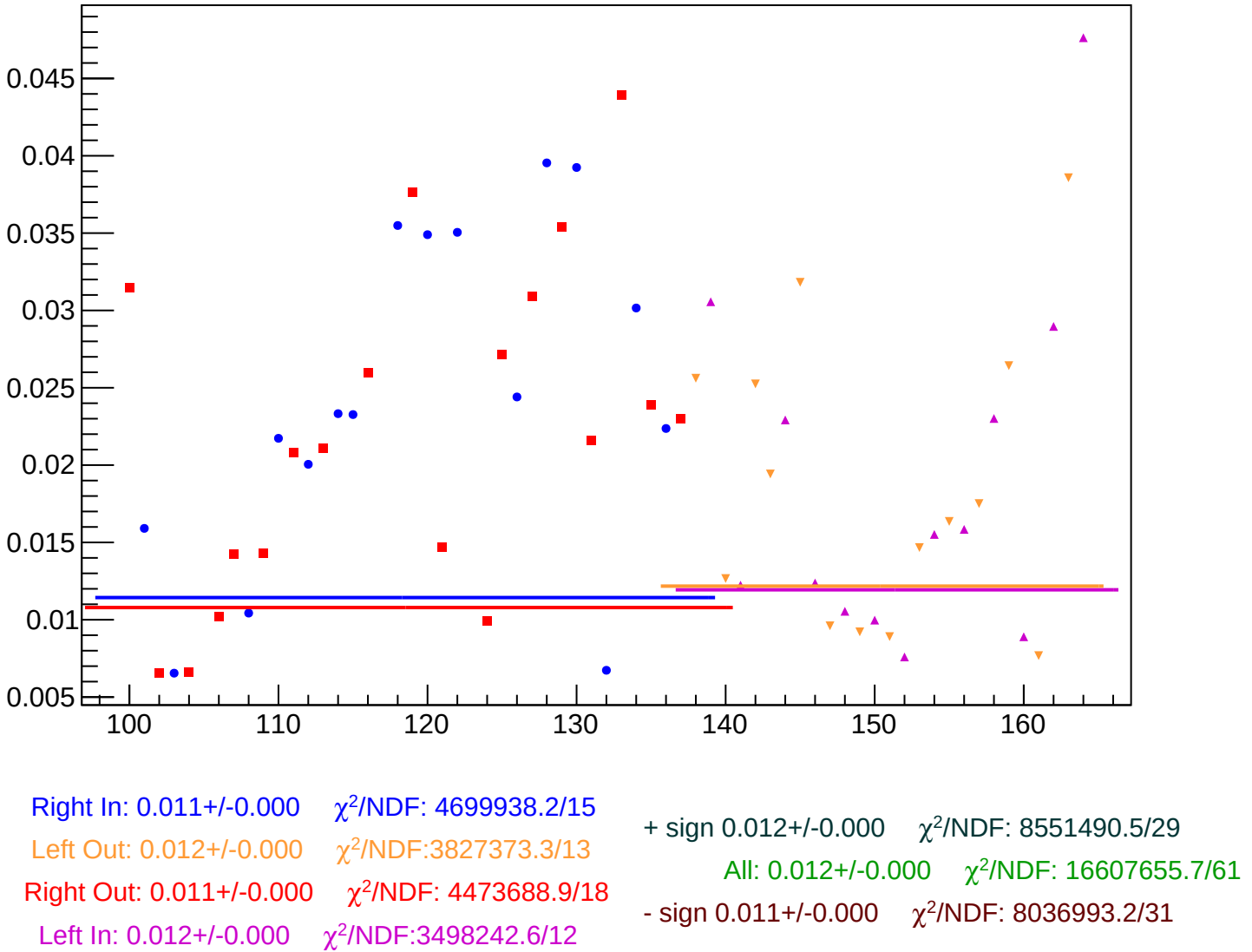
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

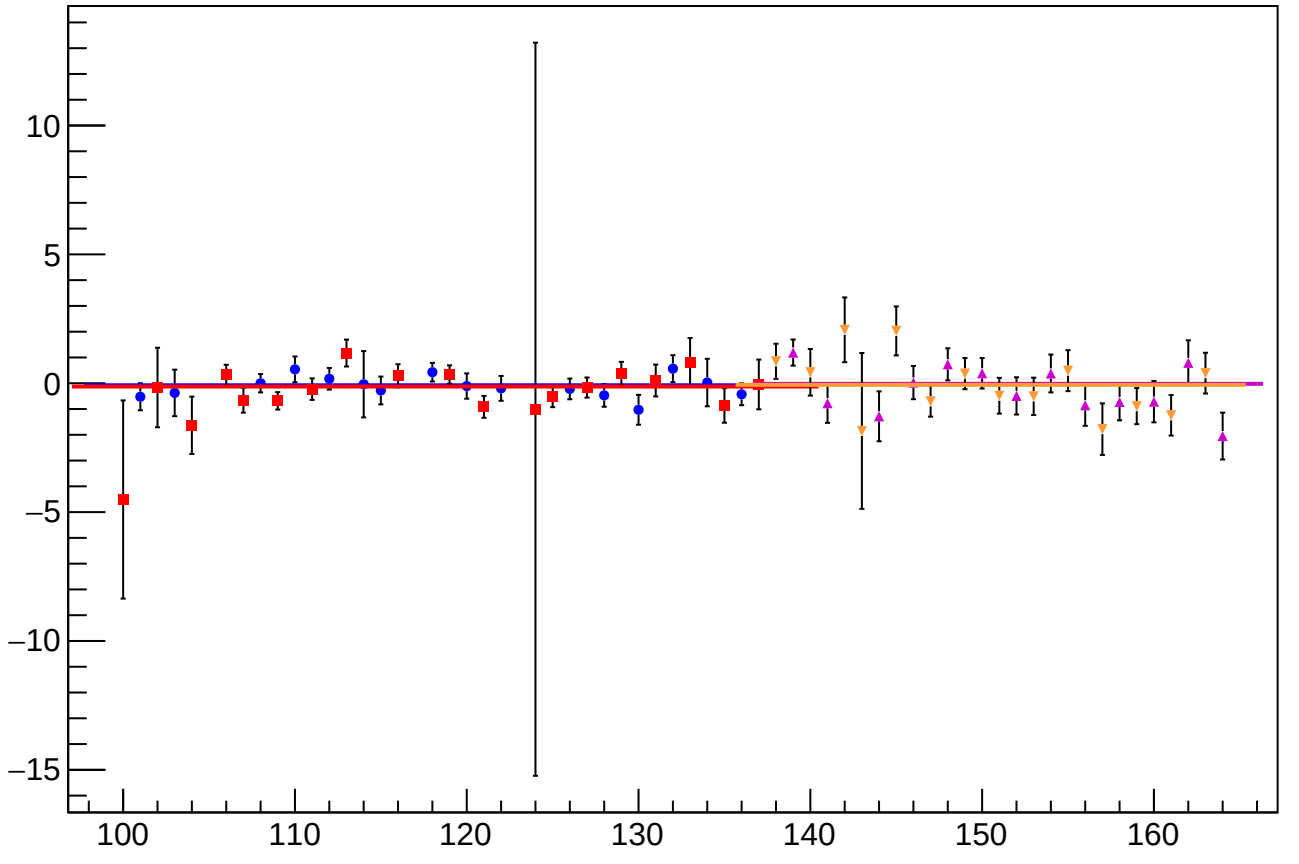
Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/29

All: -0.000+/-0.000 χ^2/NDF: 74.8/61

- sign 0.000+/-0.000 χ^2/NDF: 28.1/31


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:3827373.3/13
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:3498242.6/12
+ sign 0.012+/-0.000 χ²/NDF: 8551490.5/29
All: 0.012+/-0.000 χ²/NDF: 16607655.7/61
- sign 0.011+/-0.000 χ²/NDF: 8036993.2/31



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

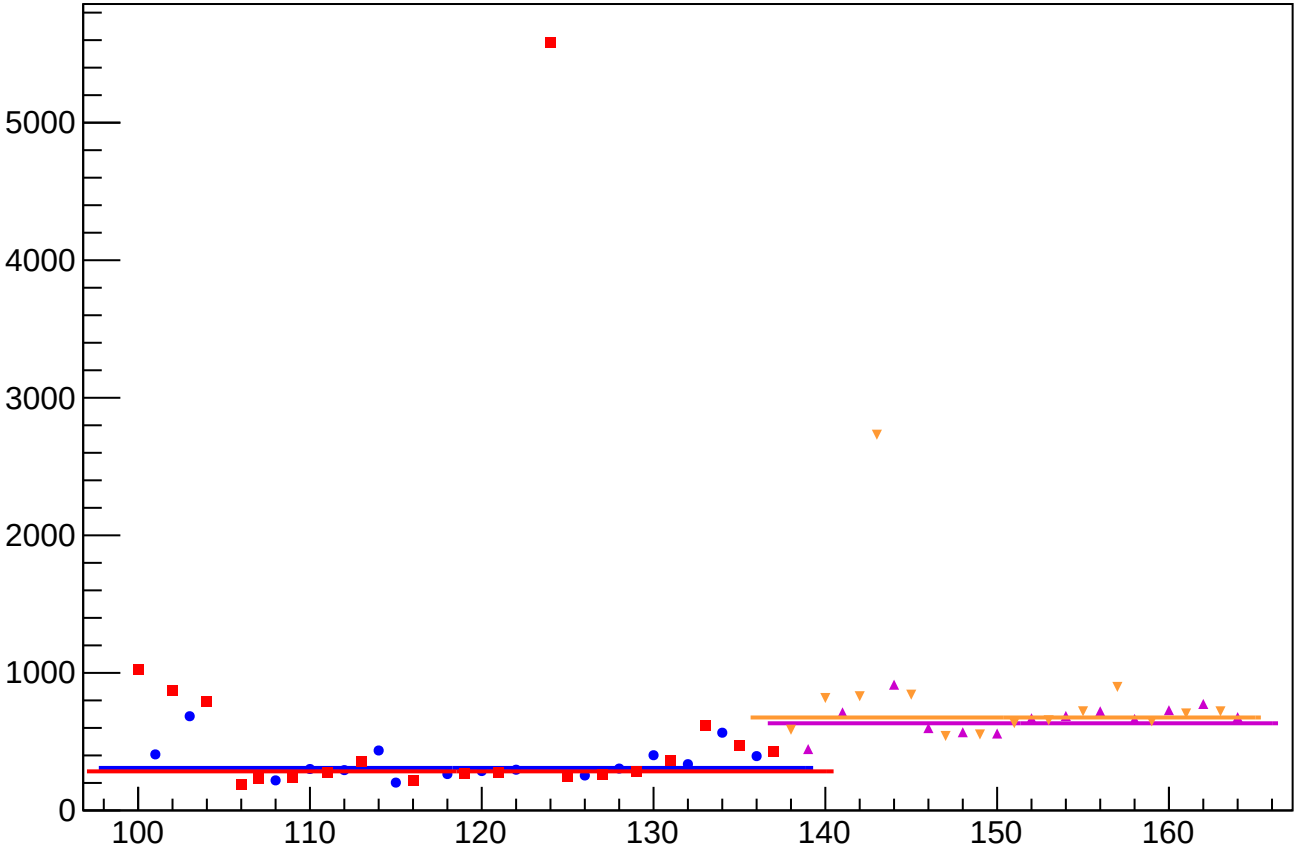
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.088+/-0.073 χ^2/NDF: 76.0/61

- 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: 675.858+/-0.149 χ^2/NDF:1409654.1/13

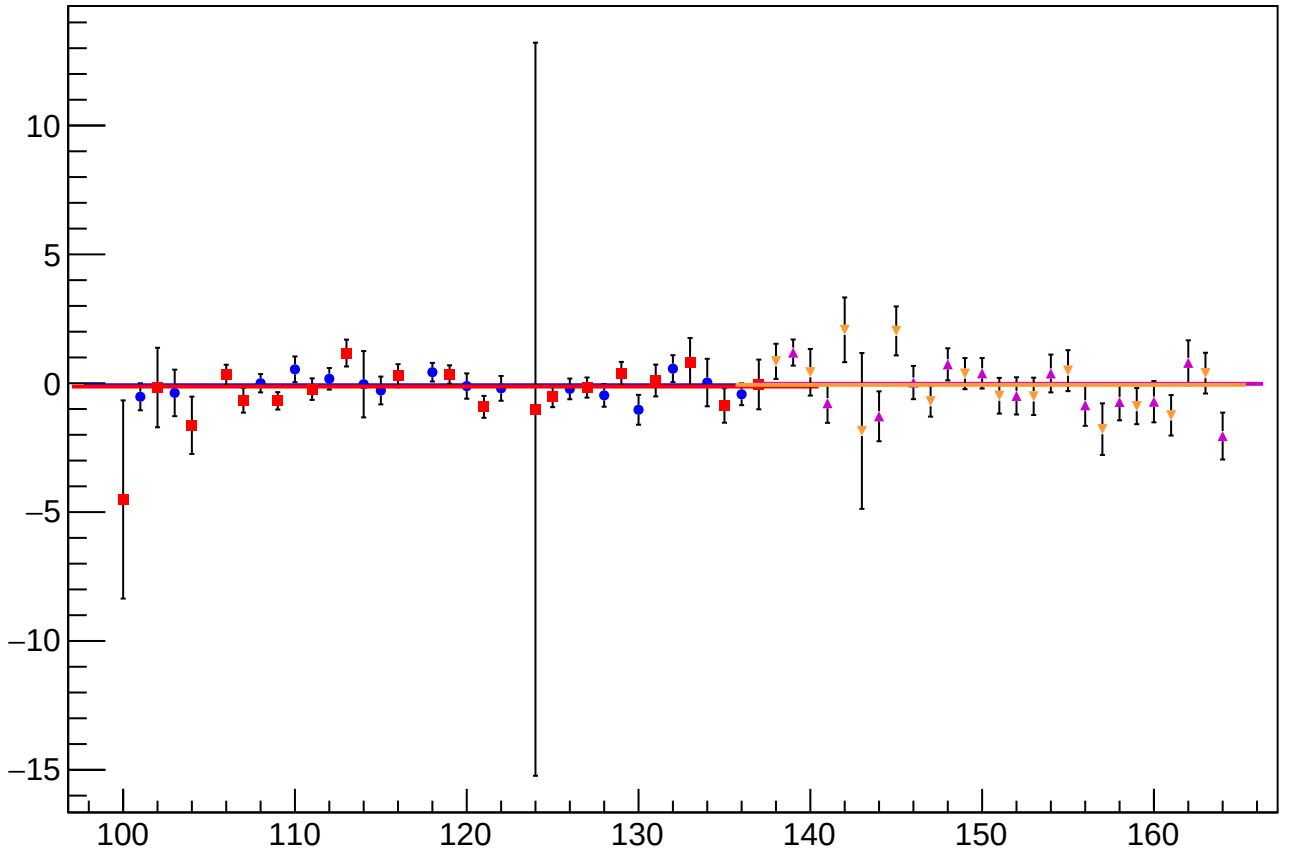
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

+ sign 401.249+/-0.075 χ^2/NDF: 6976008.9/29

All: 387.796+/-0.051 χ^2/NDF: 14218813.8/61

- sign 375.584+/-0.071 χ^2/NDF: 7180703.5/31



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

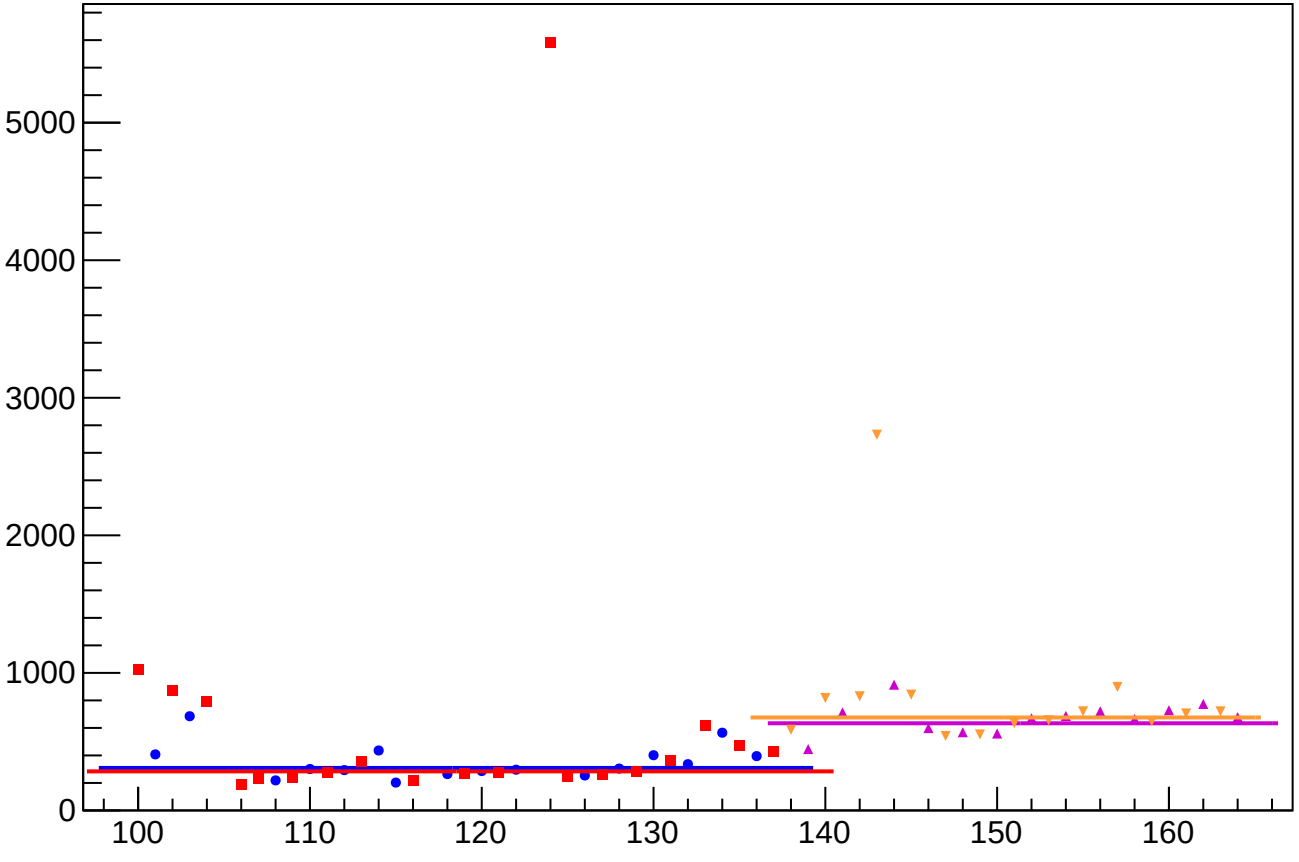
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.088+/-0.073 χ^2/NDF: 76.0/61

- 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: 675.858+/-0.149 χ^2/NDF:1409654.1/13

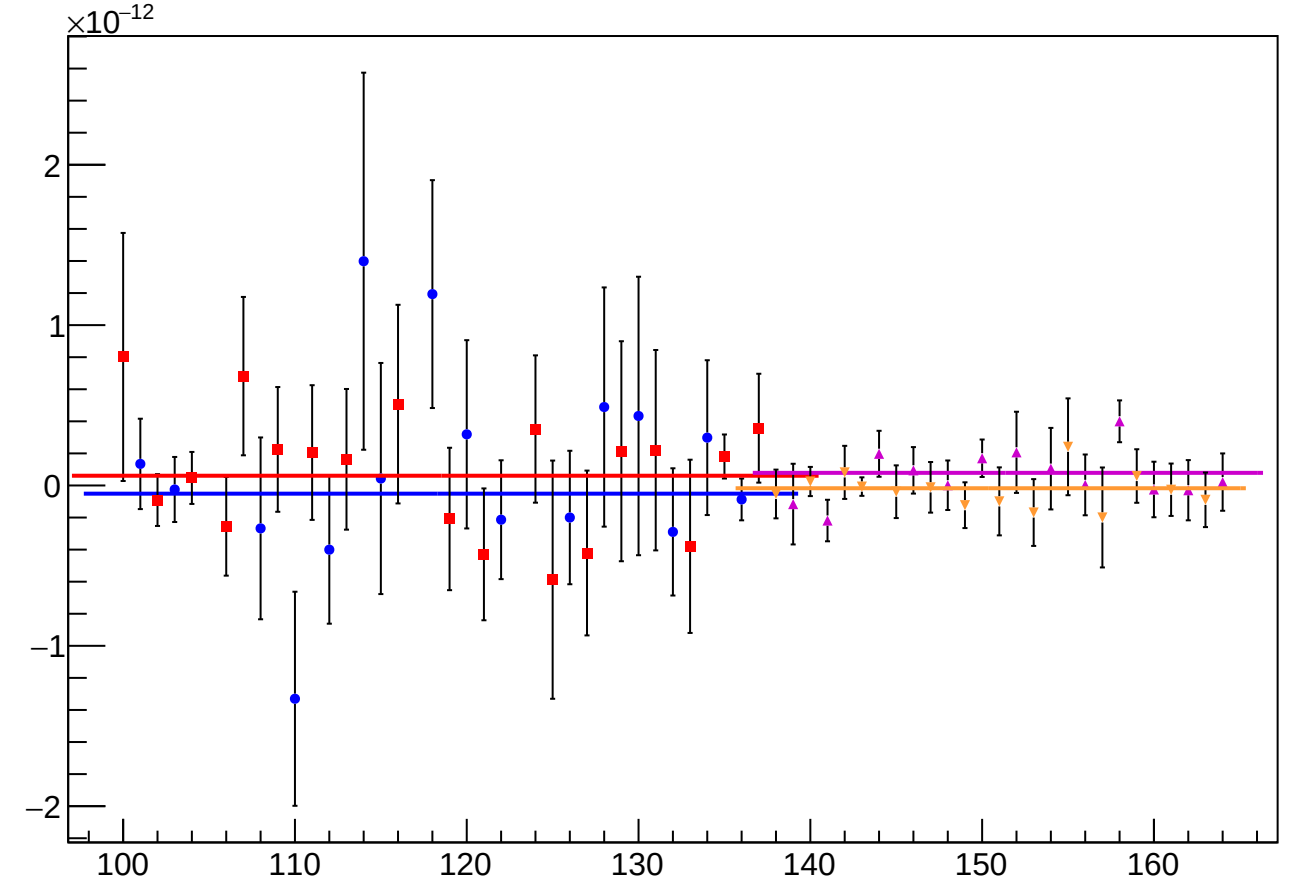
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

+ sign 401.249+/-0.075 χ^2/NDF: 6976008.9/29

All: 387.796+/-0.051 χ^2/NDF: 14218813.8/61

- 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:3.4/13

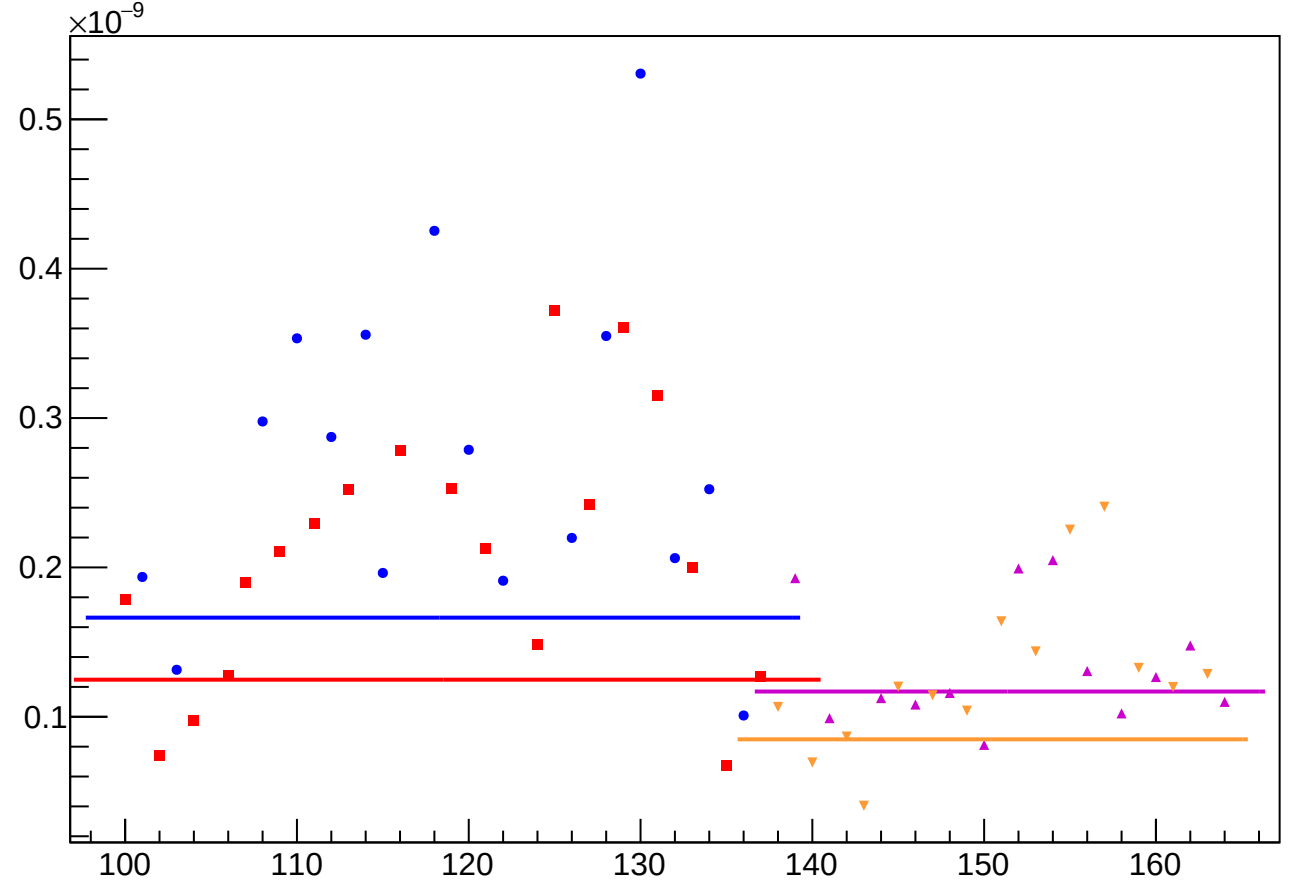
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/12

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

All: 0.000+/-0.000 χ^2/NDF: 45.4/61

- sign 0.000+/-0.000 χ^2/NDF: 26.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3242840.8/13

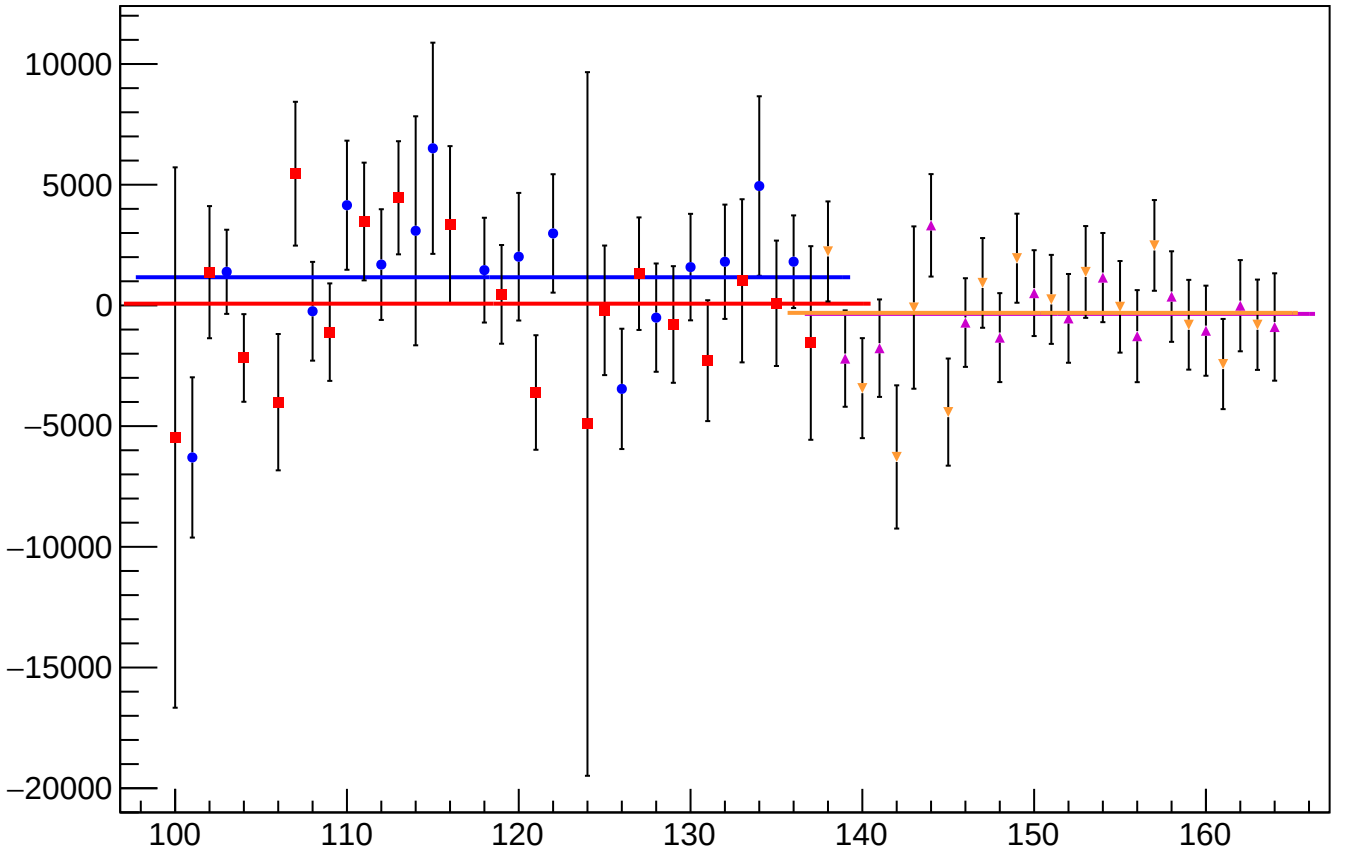
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:966173.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 6811033.2/29

All: 0.000+/-0.000 χ^2/NDF: 10400819.2/61

- sign 0.000+/-0.000 χ^2/NDF: 3193889.0/31



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.208+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

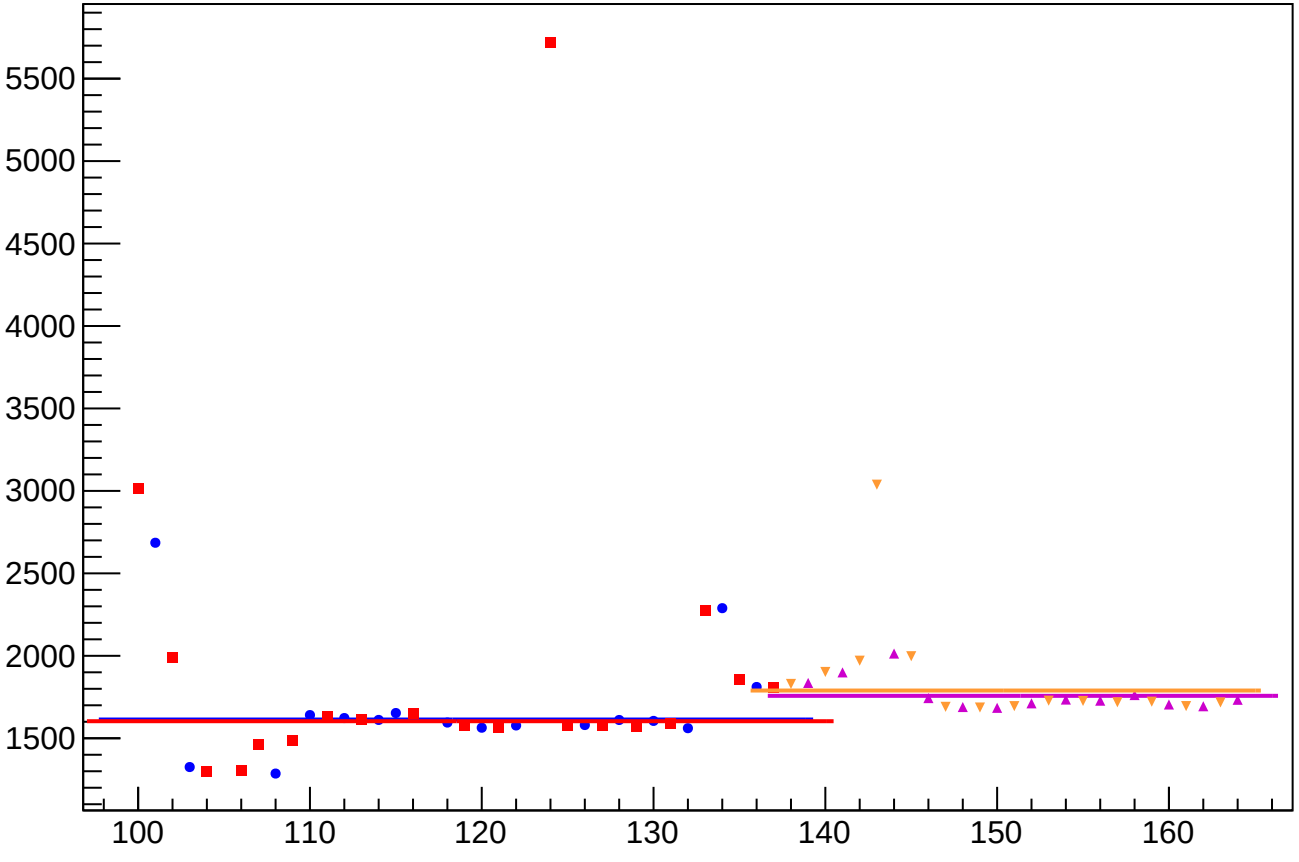
Left In: -351.145+/-531.255 χ^2/NDF:6.2/12

+ sign 338.847+/-403.463 χ^2/NDF: 35.5/29

All: 83.300+/-283.601 χ^2/NDF: 61.0/61

- 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: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

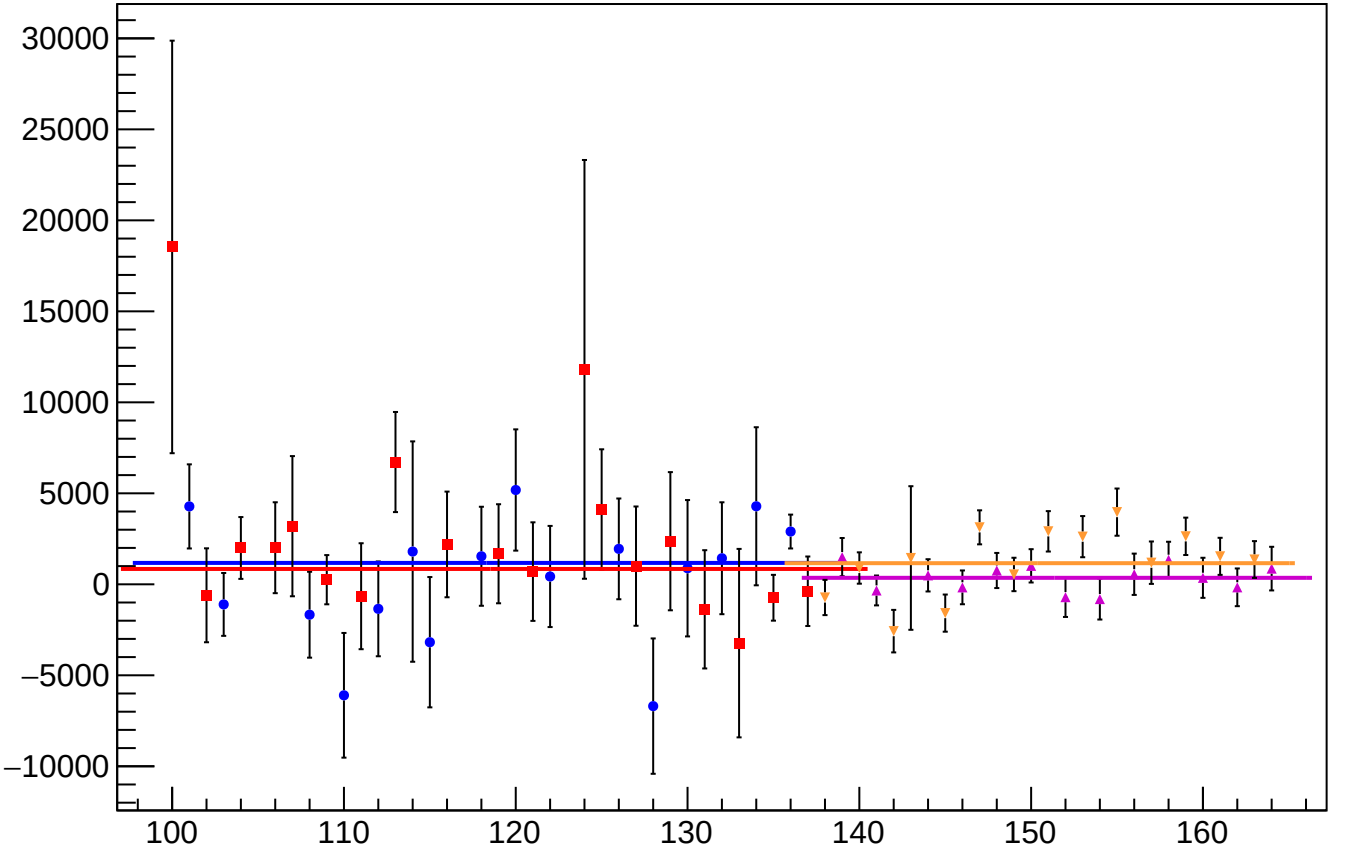
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.4/29

All: 1701.121+/-0.201 χ^2/NDF: 1397147.1/61

- 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: 1161.007+/-284.936 χ^2/NDF:37.3/13

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

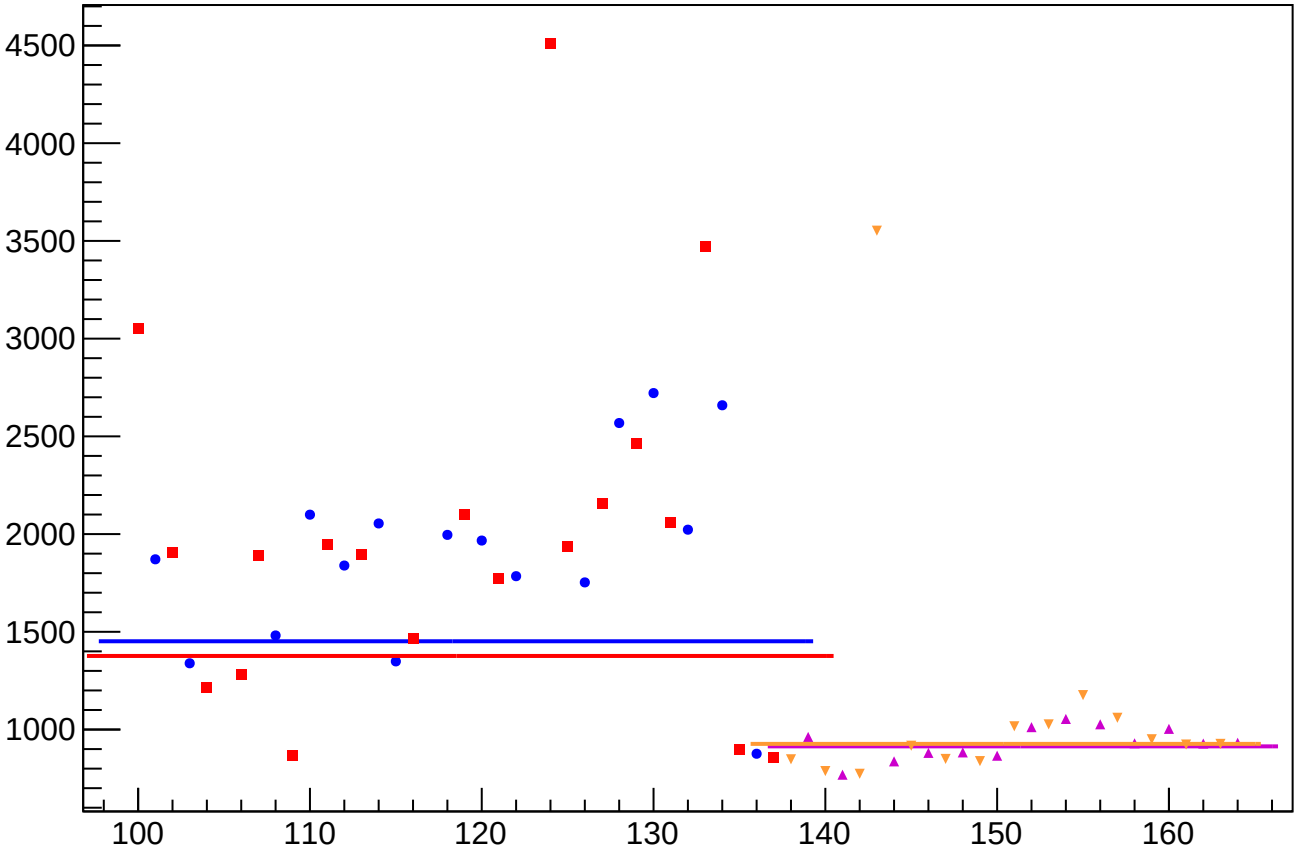
Left In: 356.406+/-277.676 χ^2/NDF:6.4/12

+ sign 1163.828+/-255.661 χ^2/NDF: 59.3/29

All: 798.547+/-178.211 χ^2/NDF: 84.5/61

- 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: 926.598+/-0.201 χ^2/NDF:1147845.2/13

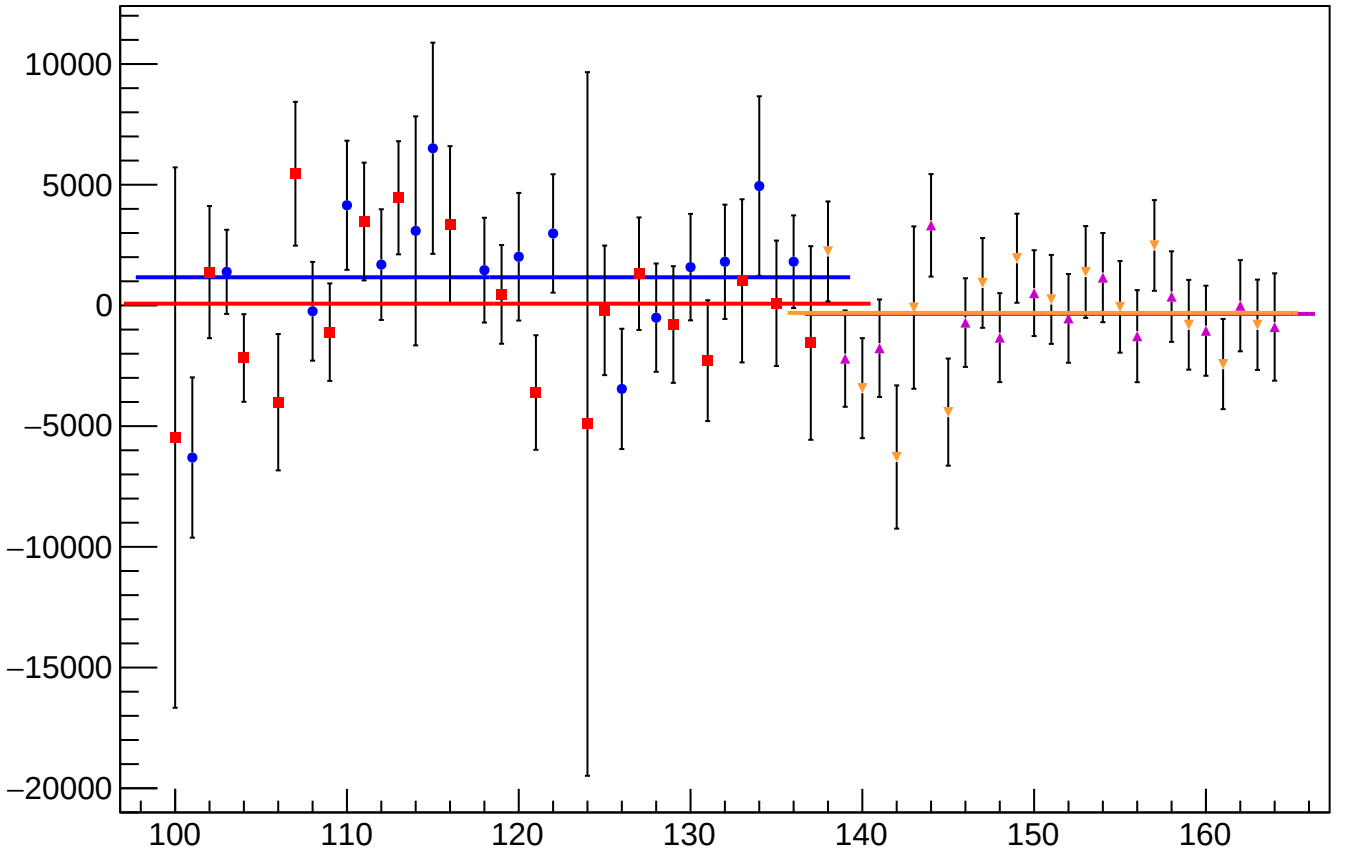
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 913.918+/-0.196 χ^2/NDF:173461.0/12

+ sign 1028.942+/-0.181 χ^2/NDF: 4262379.2/29

All: 1017.083+/-0.126 χ^2/NDF: 7679571.3/61

- 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: -308.400+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

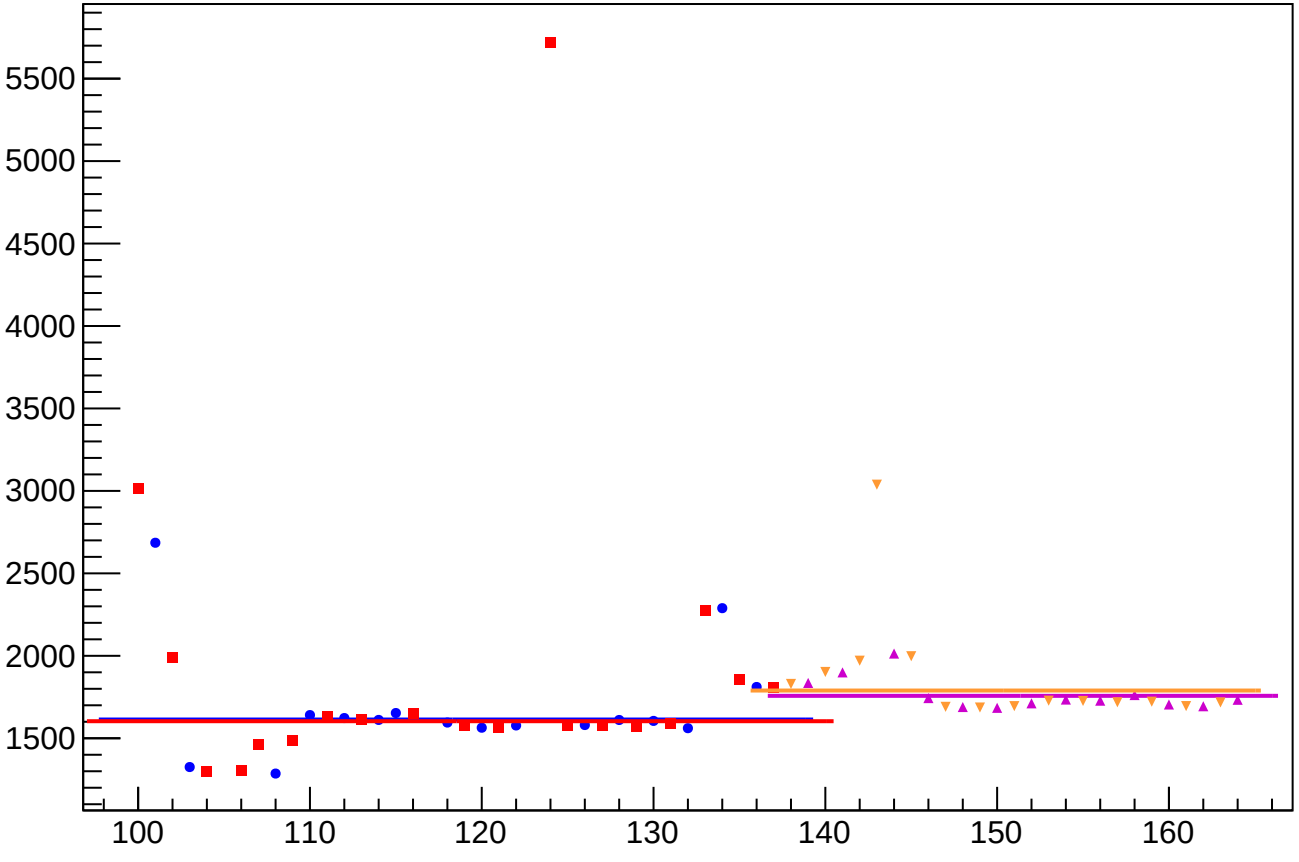
Left In: -351.073+/-531.255 χ^2/NDF:6.2/12

+ sign 338.699+/-403.463 χ^2/NDF: 35.5/29

All: 83.318+/-283.601 χ^2/NDF: 61.0/61

- 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: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

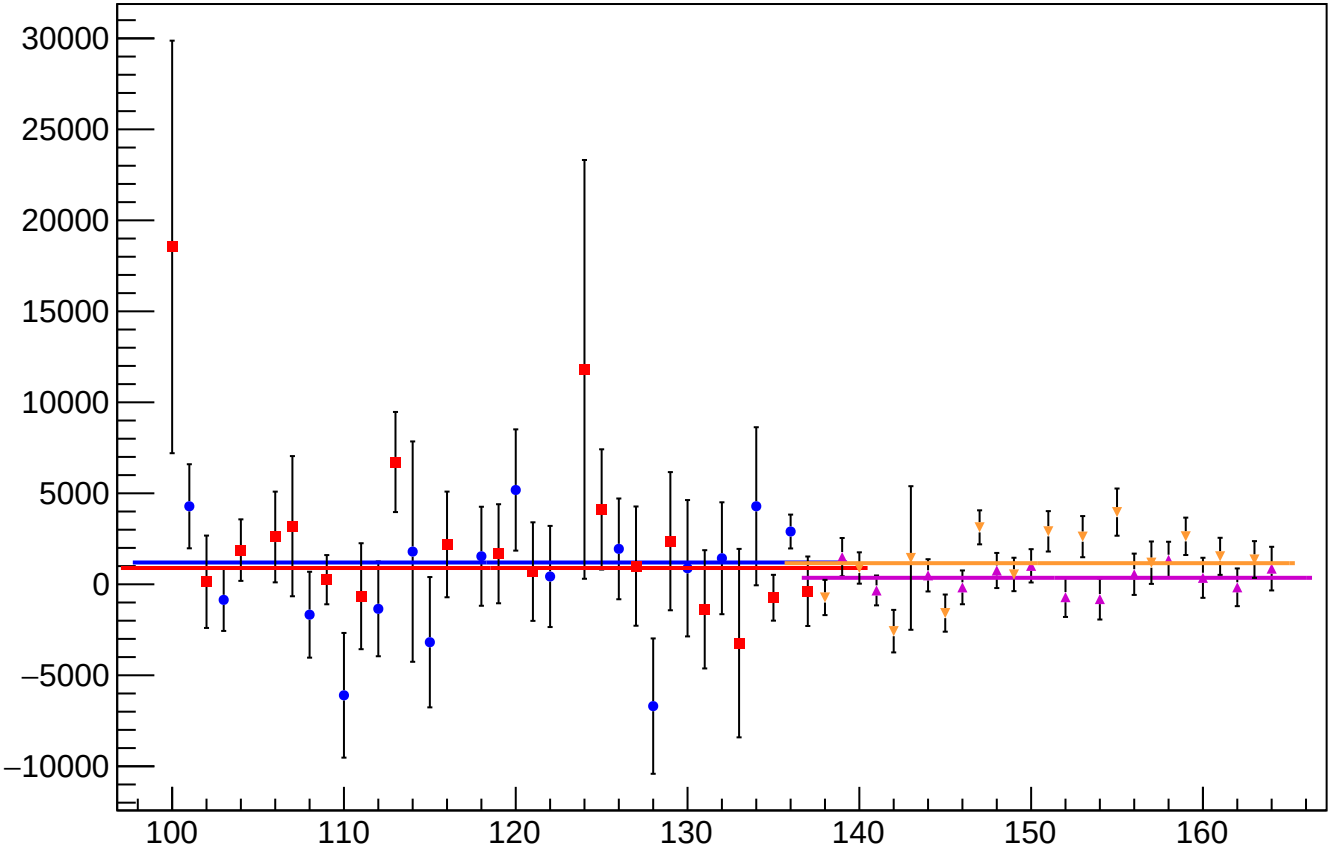
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.8/29

All: 1701.121+/-0.201 χ^2/NDF: 1397147.7/61

- 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: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

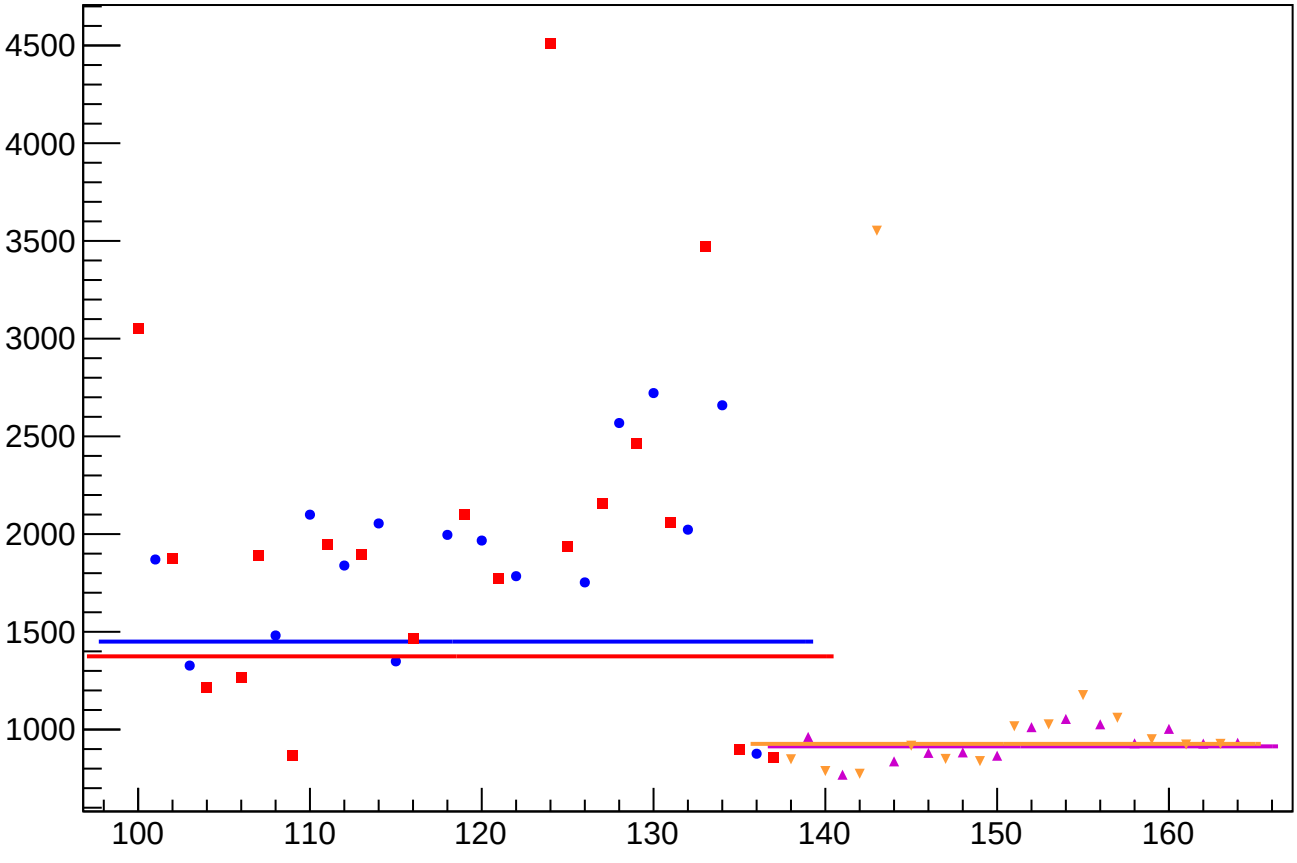
Left In: 356.350+/-277.676 χ^2/NDF:6.4/12

+ sign 1168.263+/-255.592 χ^2/NDF: 59.0/29

All: 806.074+/-178.162 χ^2/NDF: 84.3/61

- 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: 926.609+/-0.201 χ^2/NDF:1147758.2/13

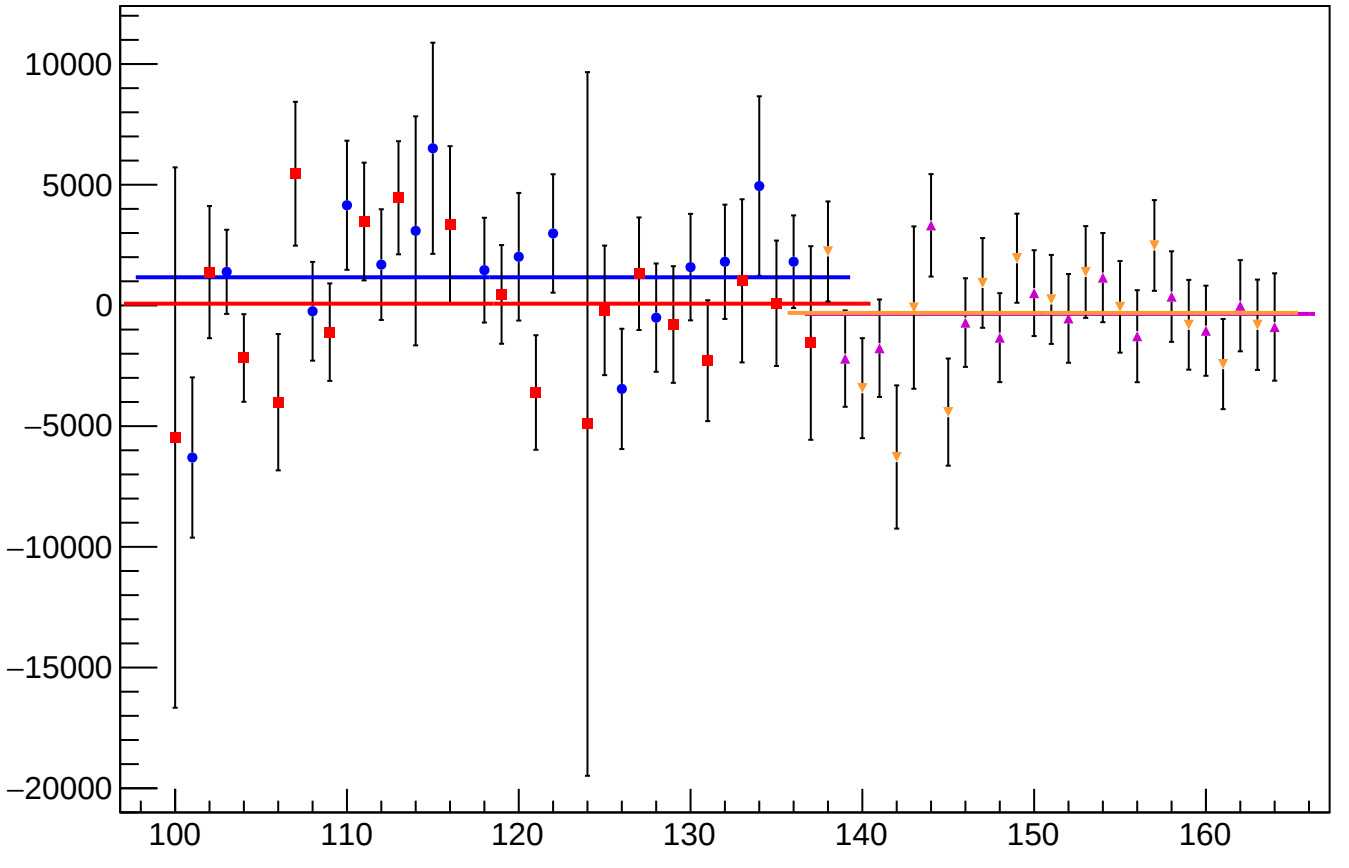
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

+ sign 1028.857+/-0.181 χ^2/NDF: 4258550.8/29

All: 1016.937+/-0.126 χ^2/NDF: 7664279.8/61

- sign 1005.672+/-0.176 χ^2/NDF: 3397268.9/31



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.400+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

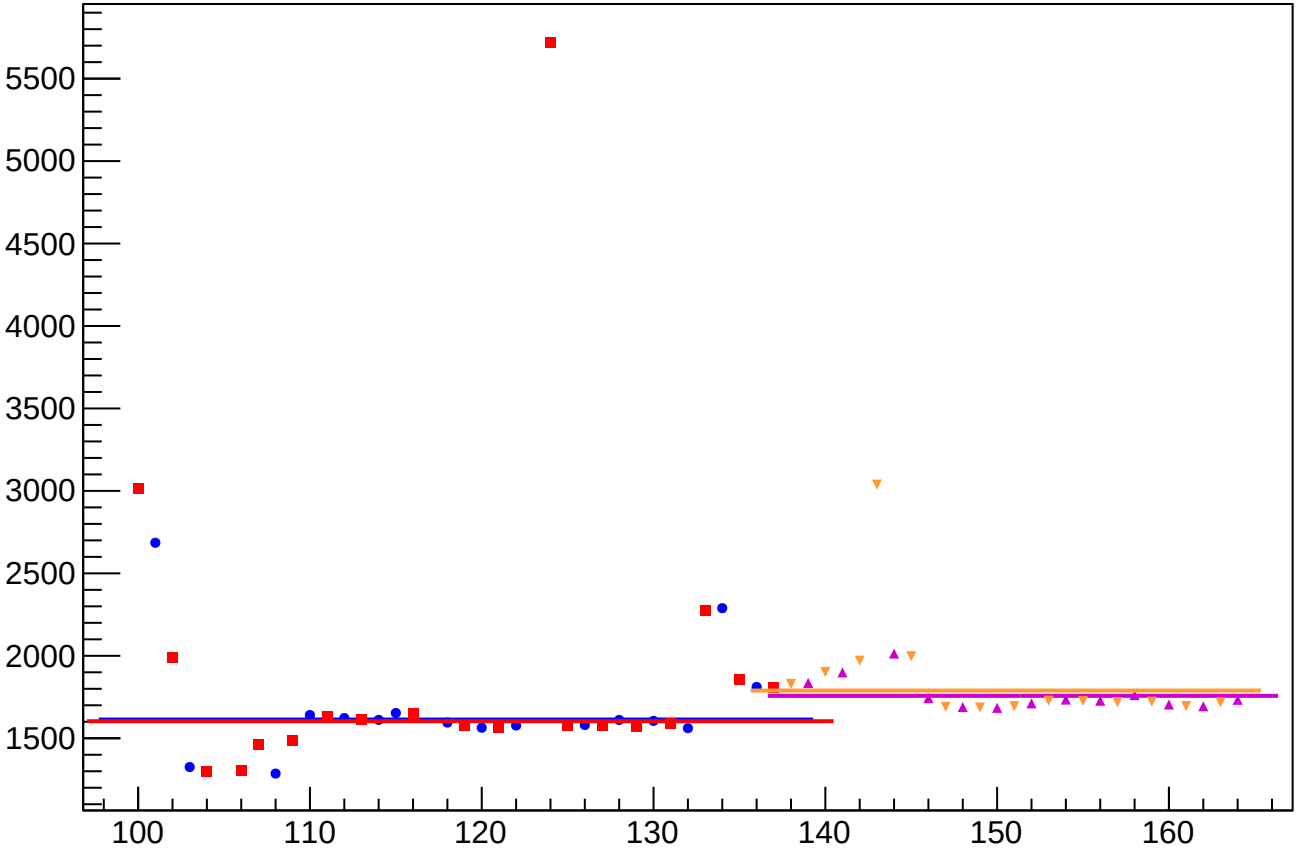
Left In: -351.073+/-531.255 χ^2/NDF:6.2/12

+ sign 338.699+/-403.463 χ^2/NDF: 35.5/29

All: 83.318+/-283.601 χ^2/NDF: 61.0/61

- 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: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

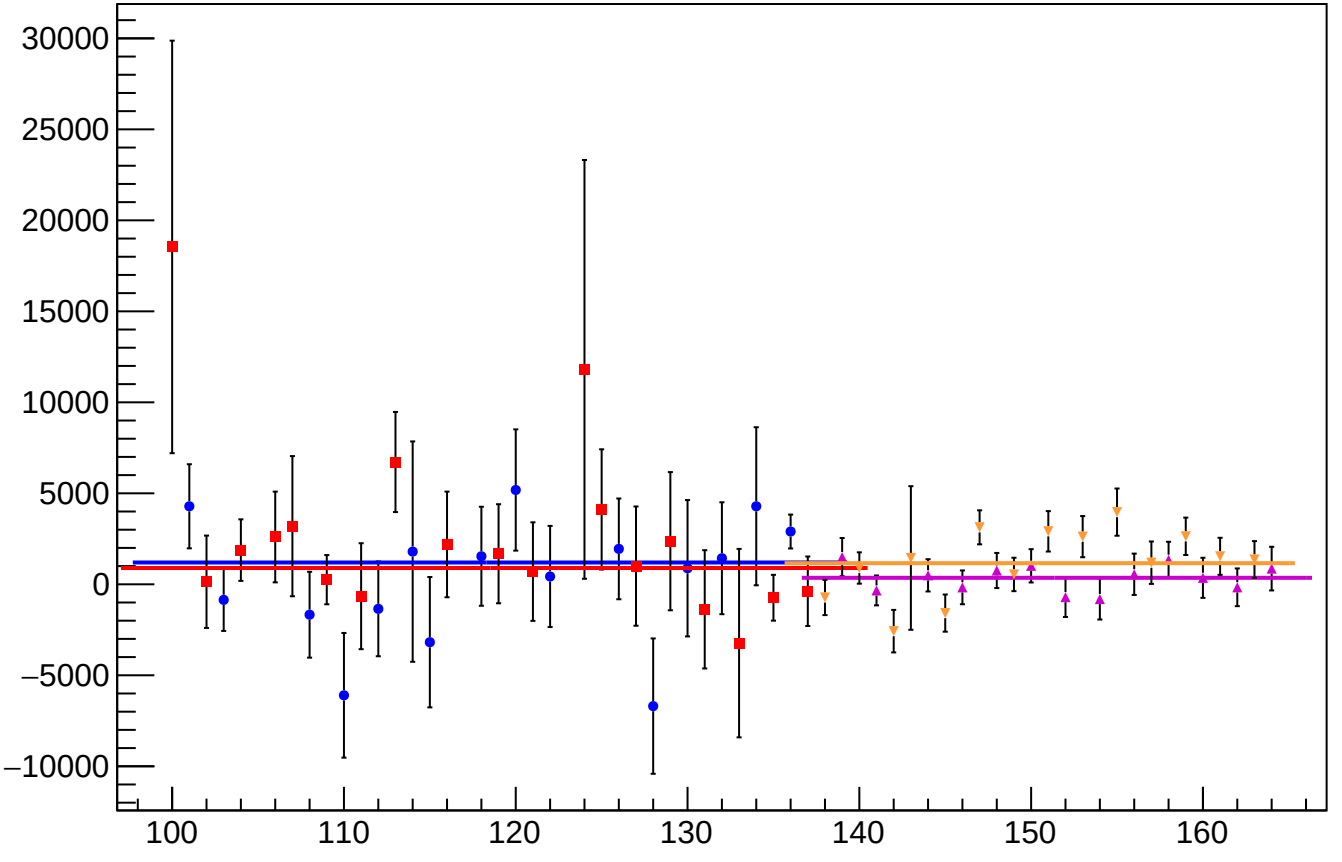
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.8/29

All: 1701.121+/-0.201 χ^2/NDF: 1397147.7/61

- 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: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

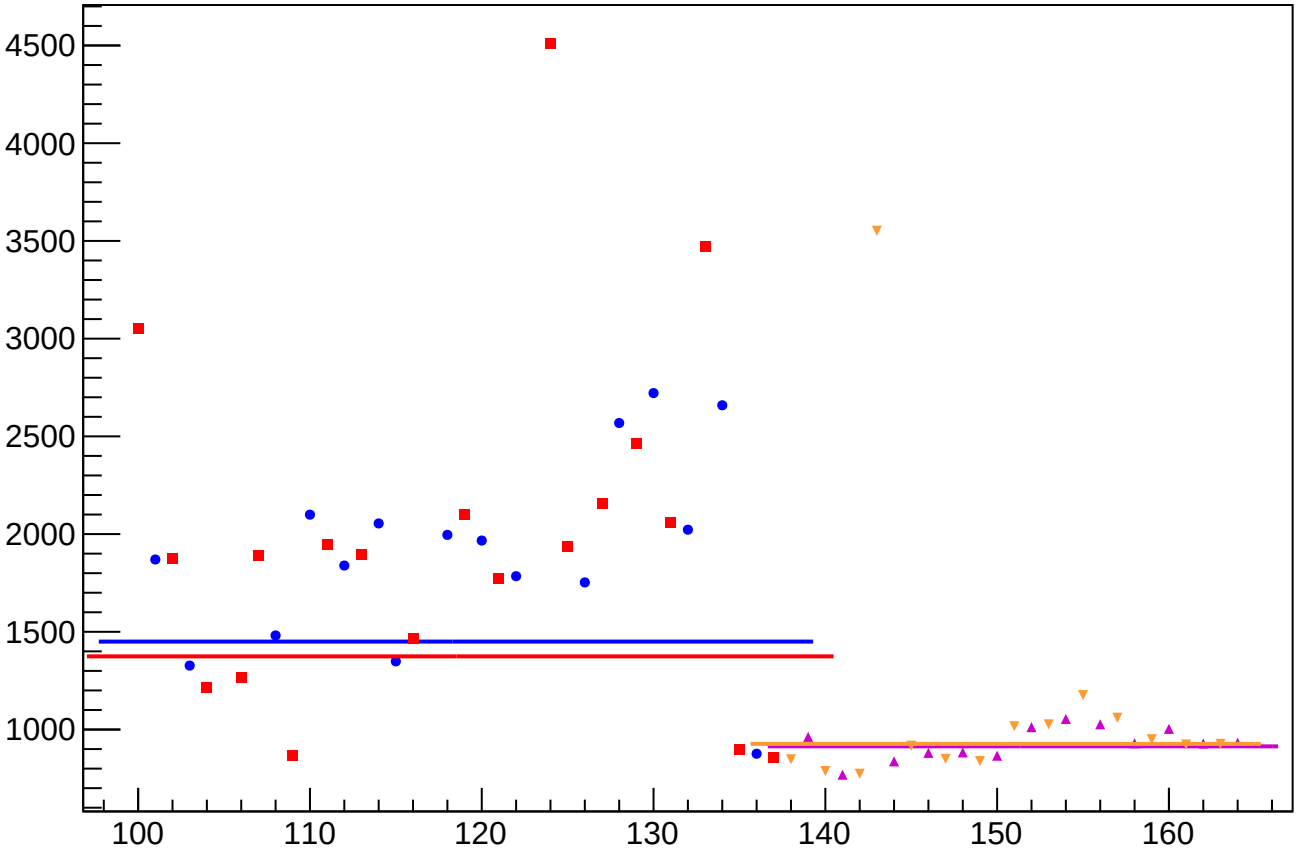
Left In: 356.350+/-277.676 χ^2/NDF:6.4/12

+ sign 1168.263+/-255.592 χ^2/NDF: 59.0/29

All: 806.074+/-178.162 χ^2/NDF: 84.3/61

- 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: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

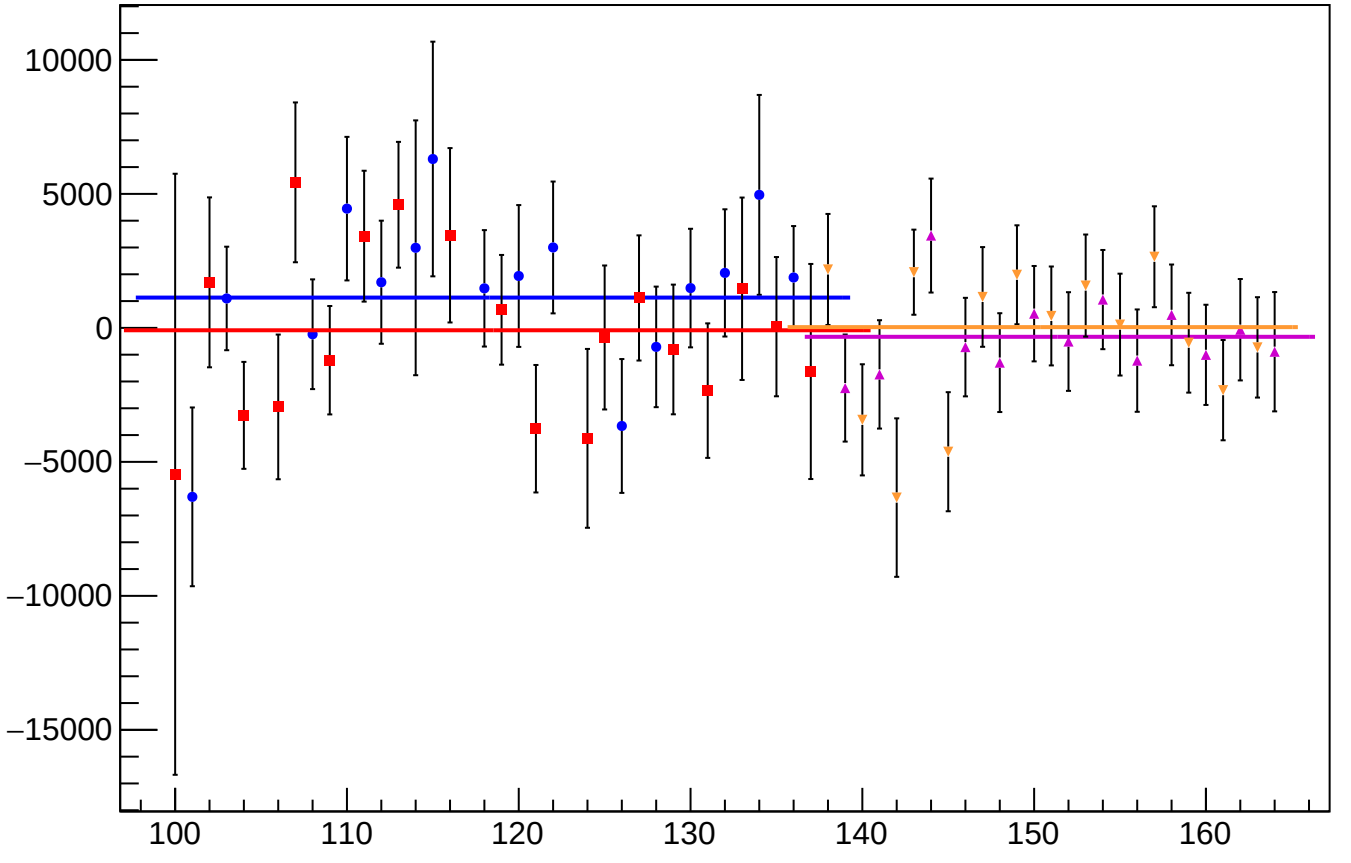
Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

+ sign 1028.857+/-0.181 χ^2/NDF: 4258550.8/29

All: 1016.937+/-0.126 χ^2/NDF: 7664279.8/61

- 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: 28.203+/-516.503 χ^2/NDF:20.5/13

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

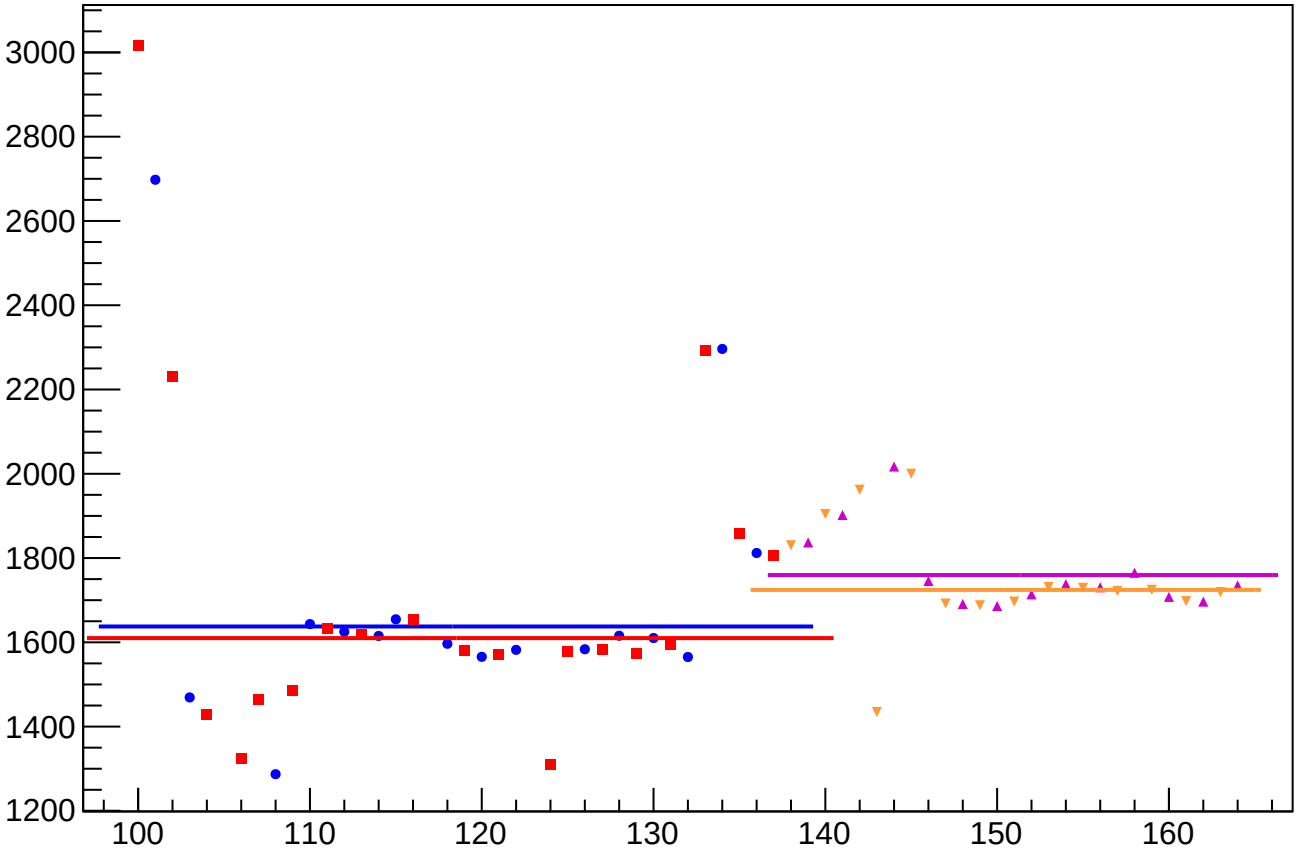
Left In: -333.062+/-531.966 χ^2/NDF:6.3/12

+ sign 482.273+/-396.113 χ^2/NDF: 37.4/29

All: 130.477+/-281.088 χ^2/NDF: 66.1/61

- 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: 1724.411+/-0.365 χ^2/NDF:132941.6/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

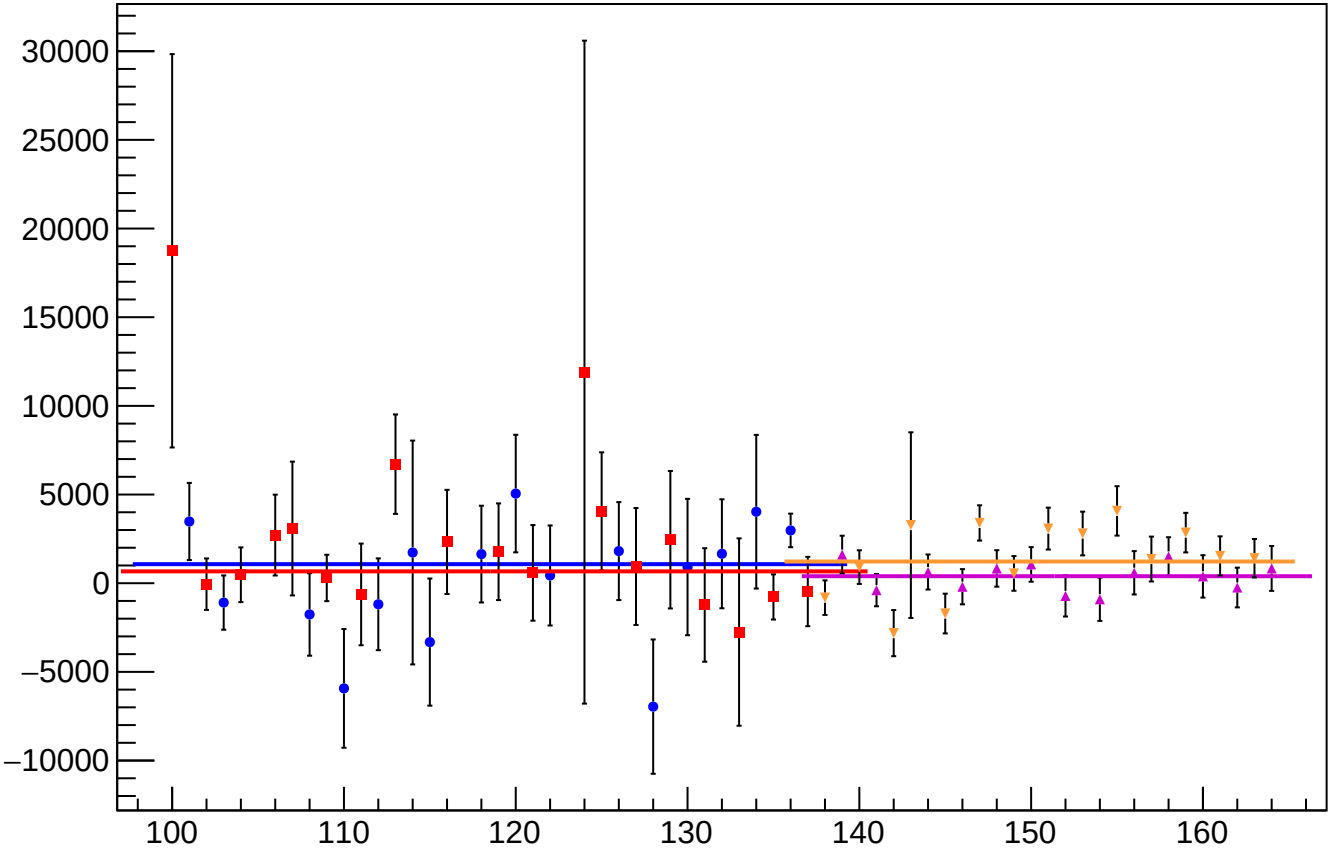
Left In: 1759.694+/-0.376 χ^2/NDF:54565.6/12

+ sign 1688.647+/-0.280 χ^2/NDF: 517641.1/29

All: 1691.407+/-0.199 χ^2/NDF: 922477.3/61

- 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: 1222.677+/-306.648 χ^2/NDF:37.0/13

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

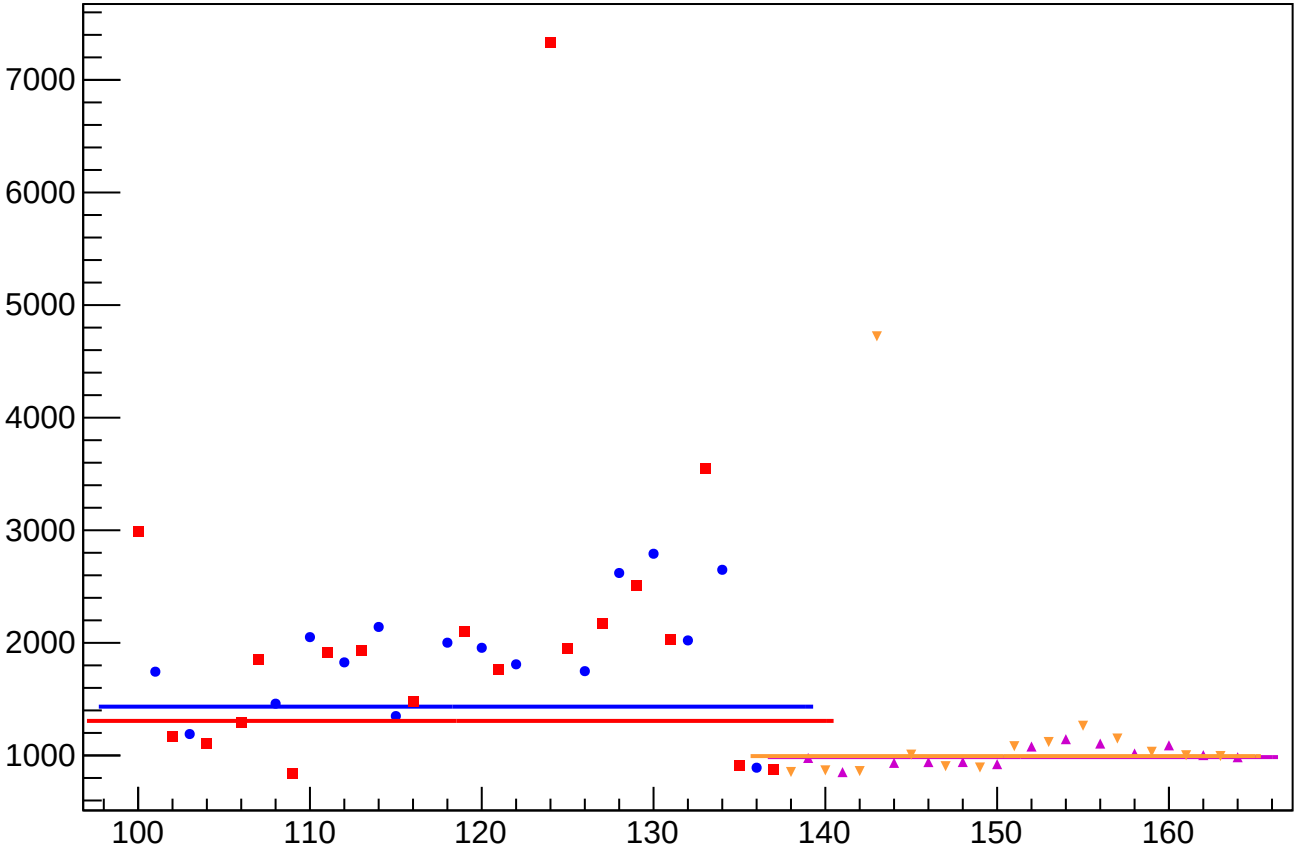
Left In: 394.831+/-299.191 χ^2/NDF:6.7/12

+ sign 1189.361+/-270.220 χ^2/NDF: 59.0/29

All: 811.347+/-187.266 χ^2/NDF: 83.2/61

- 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: 994.241+/-0.217 χ^2/NDF:1290565.3/13

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

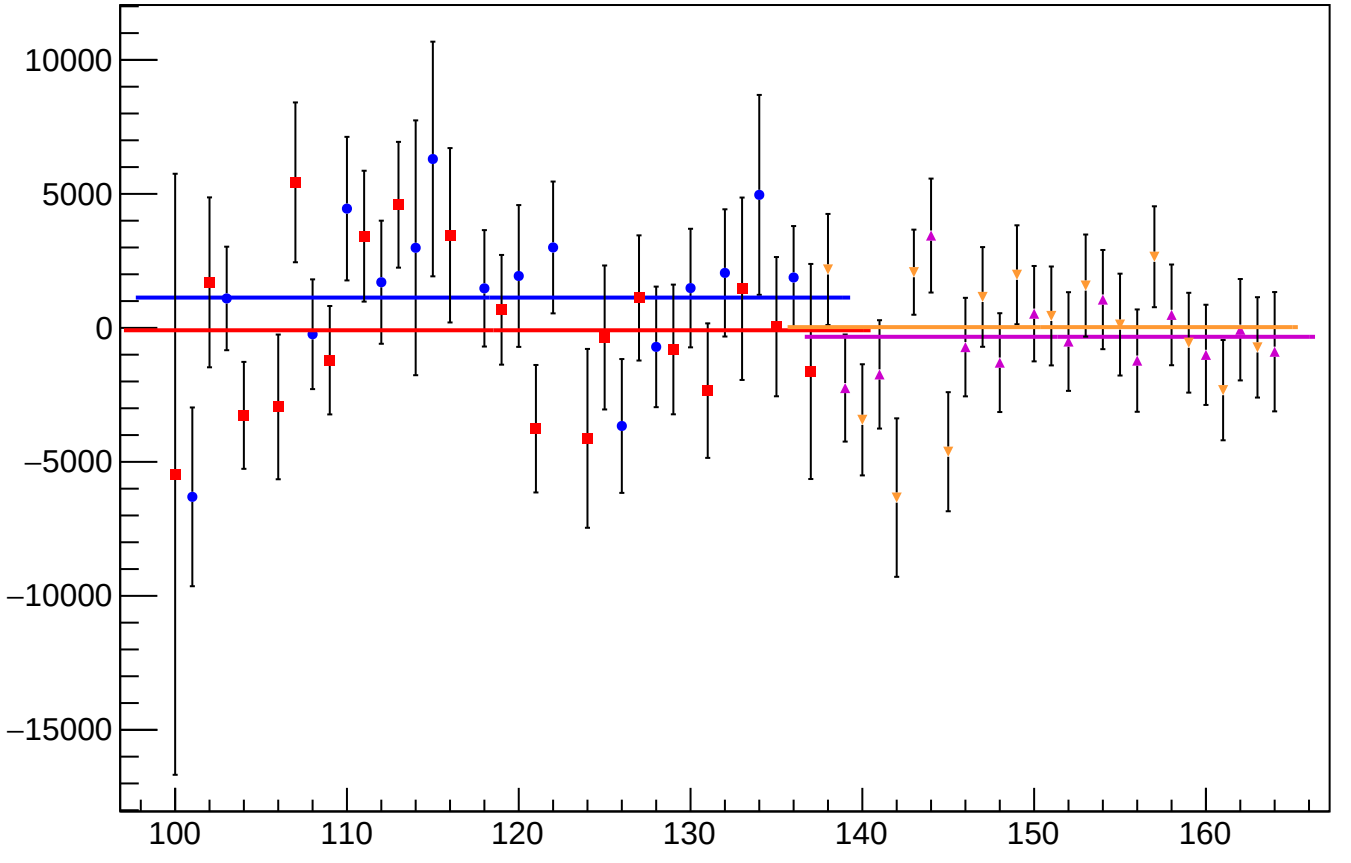
Left In: 985.339+/-0.212 χ^2/NDF:148288.8/12

+ sign 1092.401+/-0.191 χ^2/NDF: 3971080.4/29

All: 1077.905+/-0.132 χ^2/NDF: 6883084.6/61

- 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: 28.194+/-516.504 χ^2/NDF:20.5/13

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

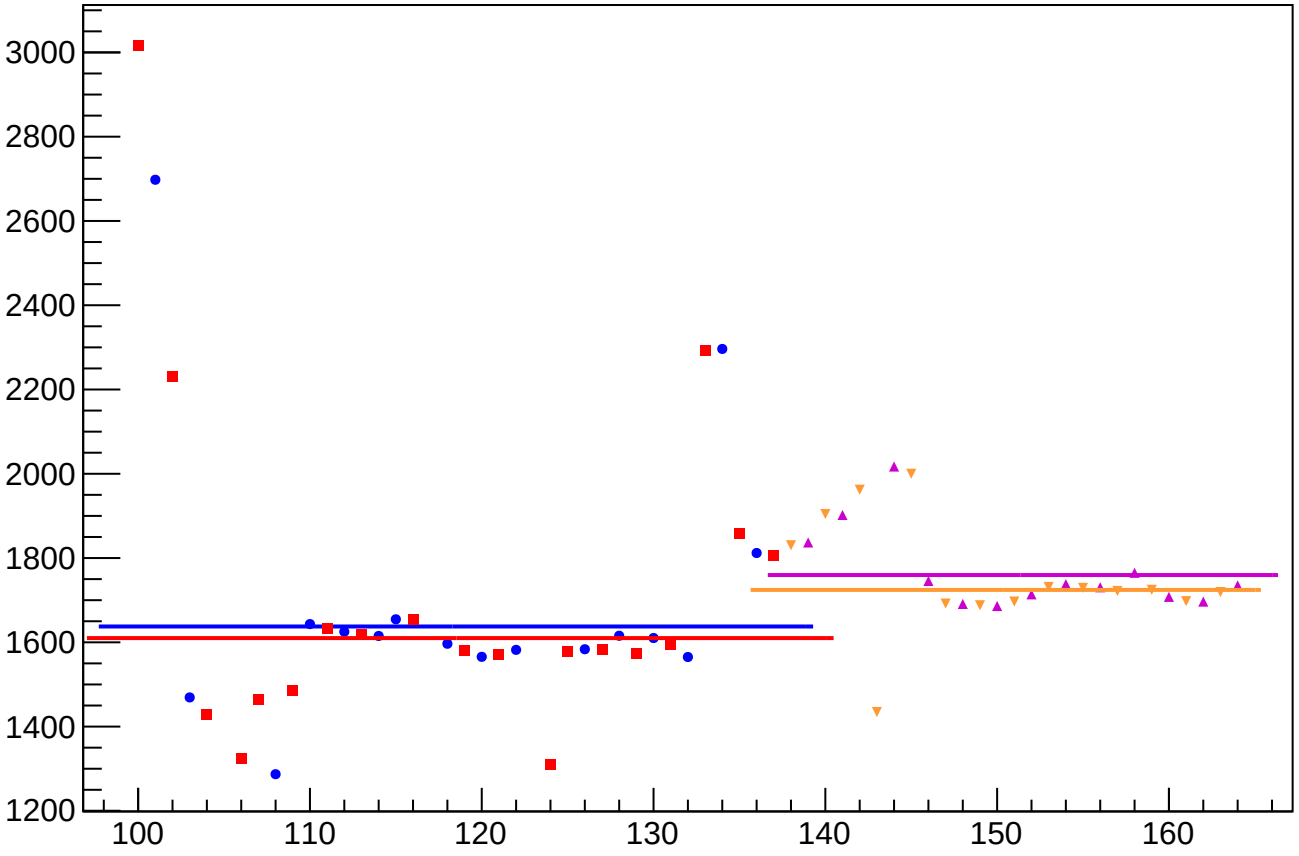
Left In: -333.063+/-531.966 χ^2/NDF:6.3/12

+ sign 482.268+/-396.113 χ^2/NDF: 37.4/29

All: 130.474+/-281.088 χ^2/NDF: 66.1/61

- 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: 1724.411+/-0.365 χ^2/NDF:132940.5/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

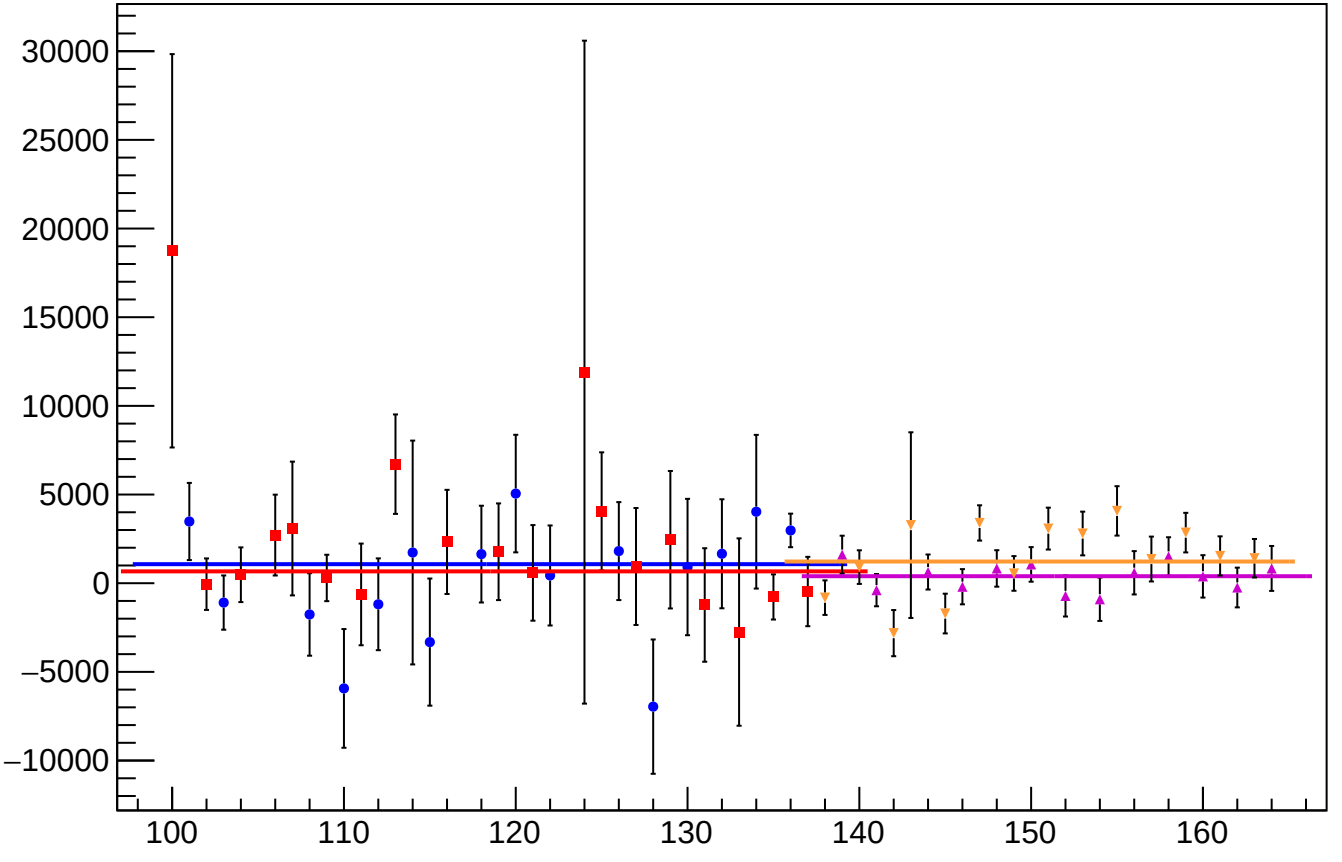
Left In: 1759.694+/-0.376 χ^2/NDF:54565.7/12

+ sign 1688.648+/-0.280 χ^2/NDF: 517640.0/29

All: 1691.407+/-0.199 χ^2/NDF: 922476.6/61

- 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: 1222.688+/-306.649 χ^2/NDF:37.0/13

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

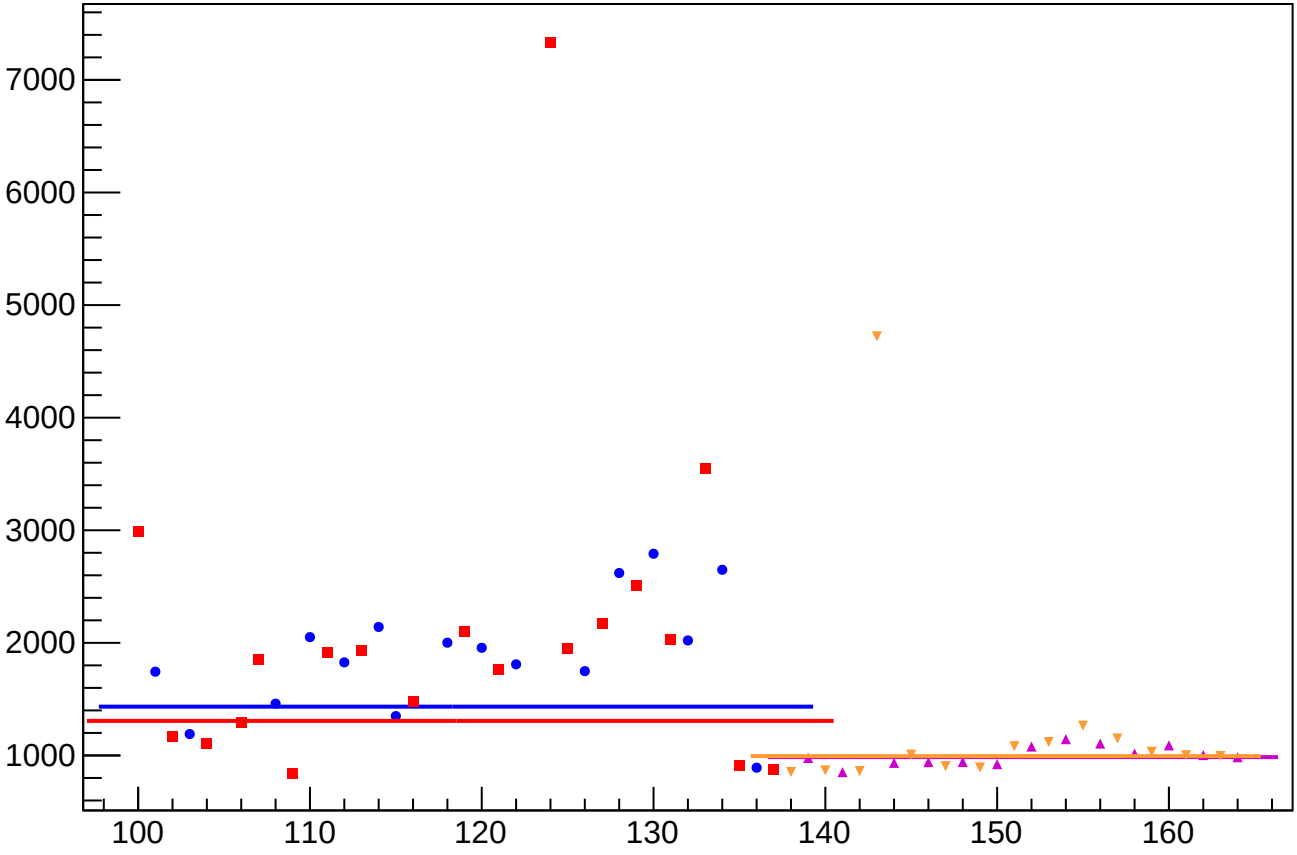
Left In: 394.828+/-299.191 χ^2/NDF:6.7/12

+ sign 1189.368+/-270.221 χ^2/NDF: 59.0/29

All: 811.350+/-187.266 χ^2/NDF: 83.2/61

- 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: 994.244+/-0.217 χ^2/NDF:1290544.1/13

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

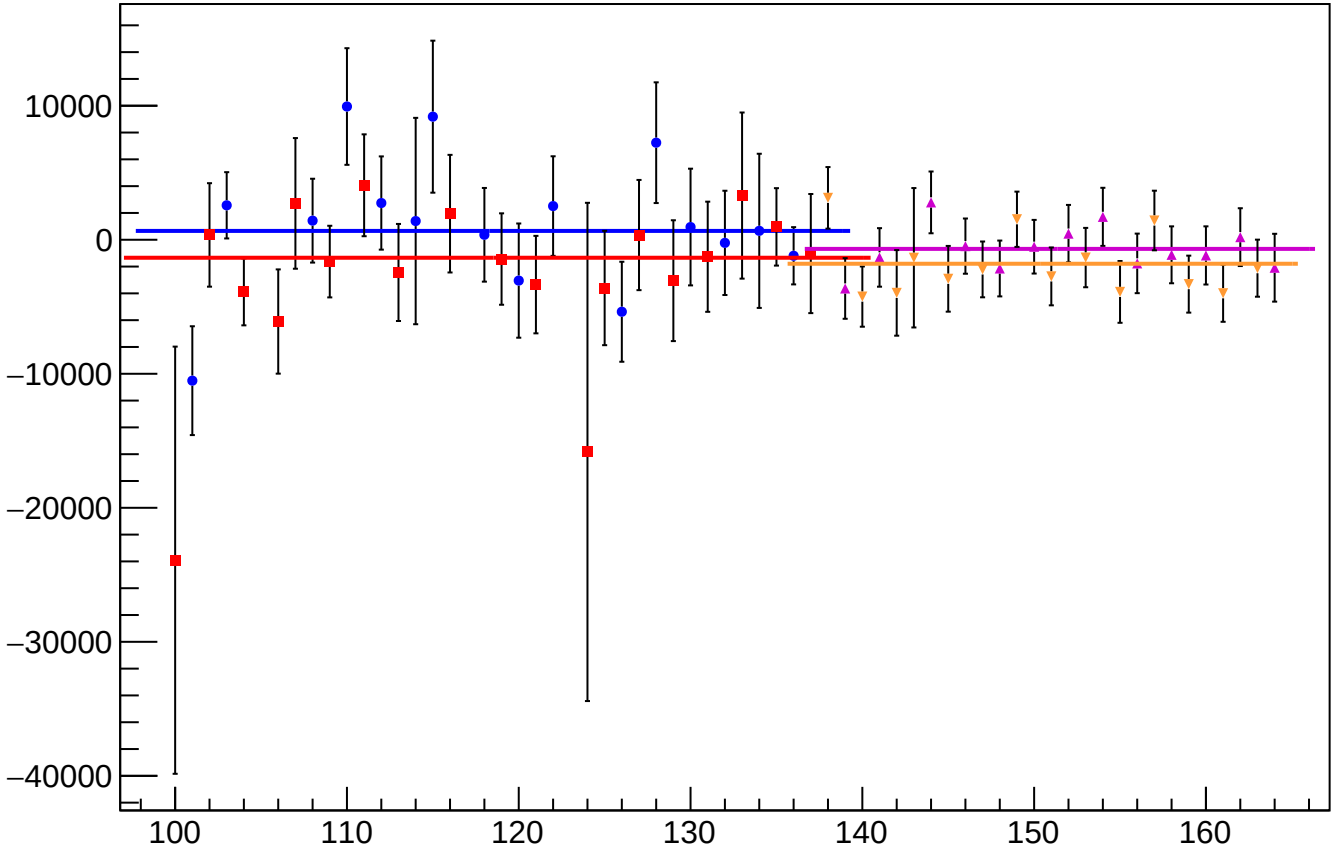
Left In: 985.340+/-0.212 χ^2/NDF:148290.0/12

+ sign 1092.406+/-0.191 χ^2/NDF: 3971006.7/29

All: 1077.908+/-0.132 χ^2/NDF: 6882981.8/61

- sign 1064.511+/-0.184 χ^2/NDF: 2900898.3/31

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1790.144+/-617.136 χ^2/NDF:13.9/13

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

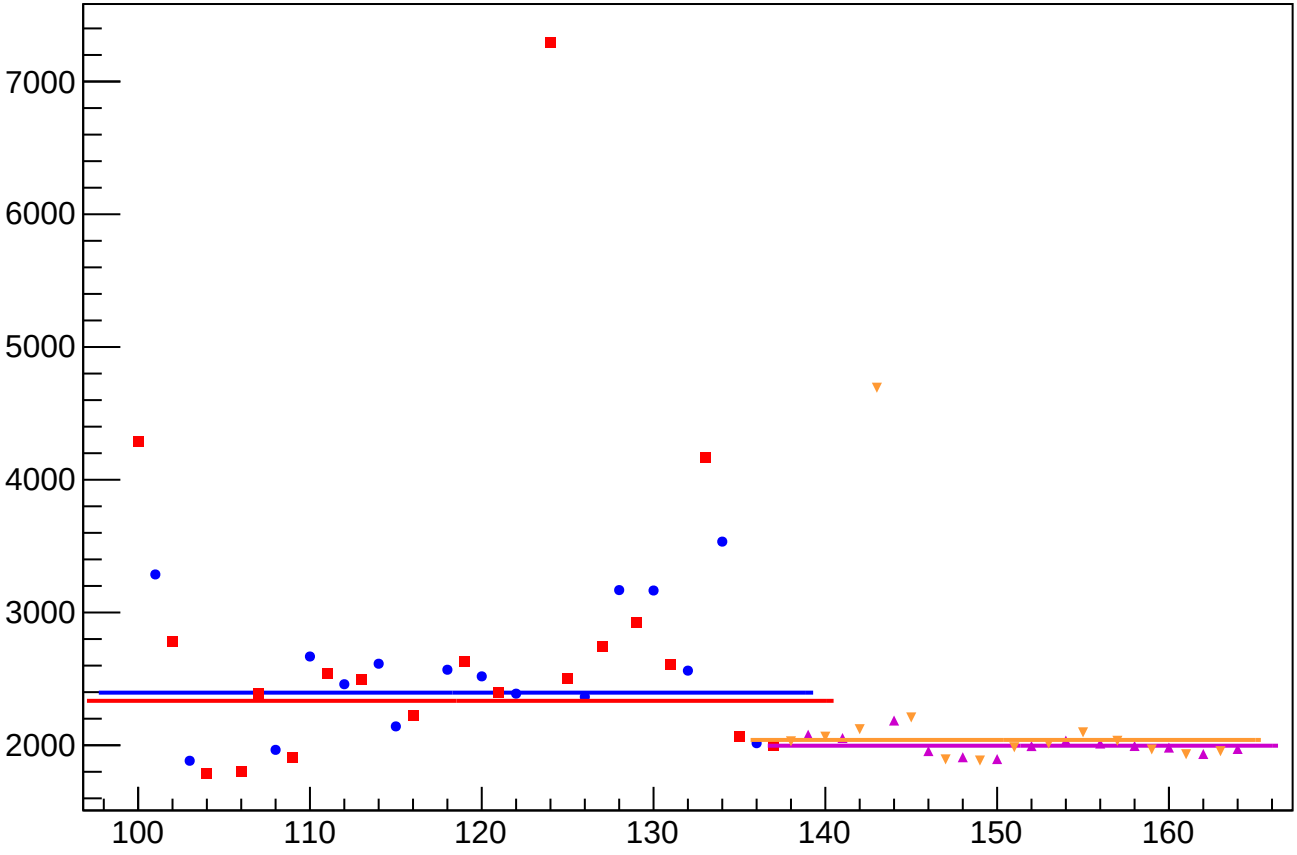
Left In: -681.509+/-603.272 χ^2/NDF:6.9/12

+ sign -1017.948+/-510.684 χ^2/NDF: 40.8/29

All: -952.173+/-357.076 χ^2/NDF: 58.9/61

- 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: 2040.057+/-0.436 χ^2/NDF:566278.3/13

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

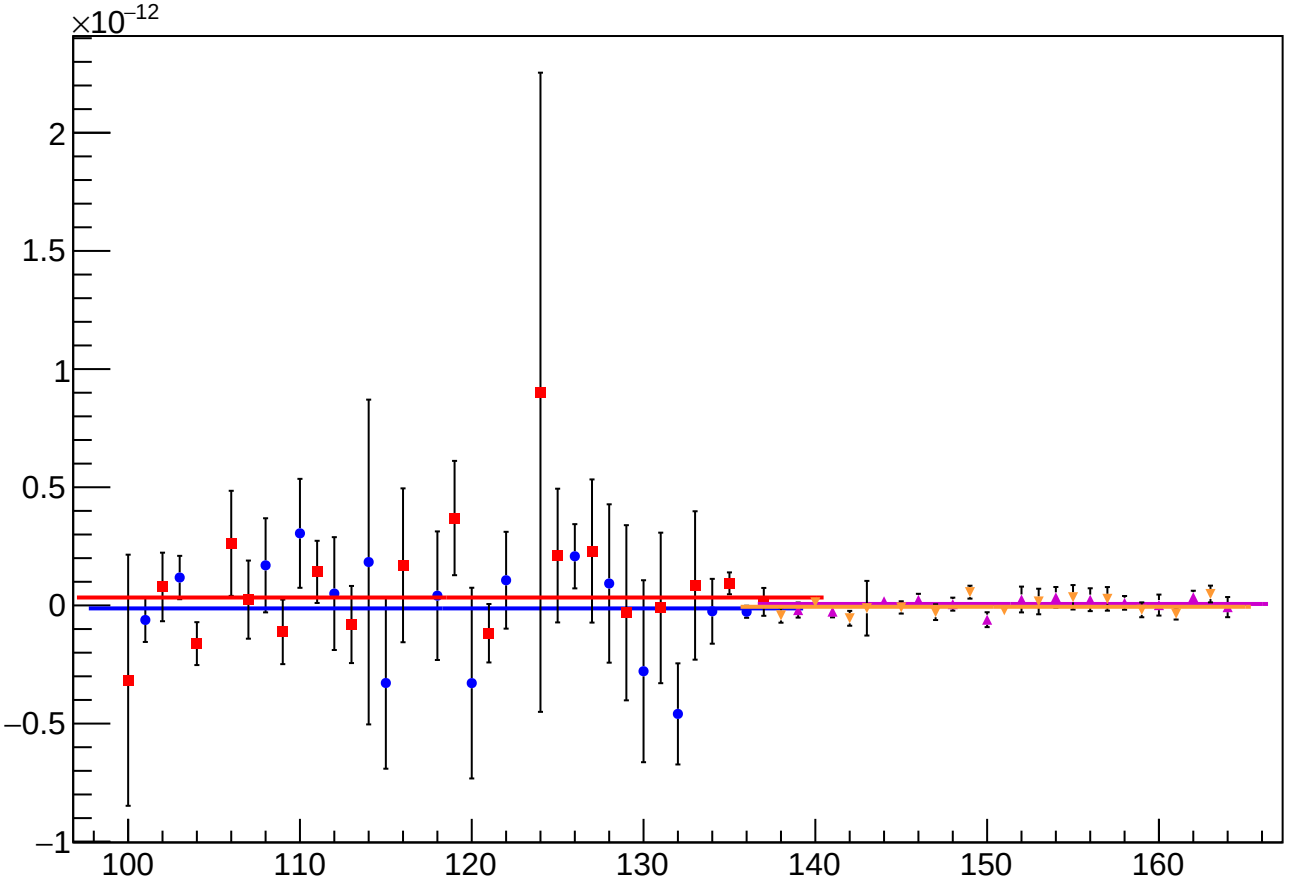
Left In: 1996.530+/-0.427 χ^2/NDF:29592.4/12

+ sign 2152.349+/-0.361 χ^2/NDF: 1284231.6/29

All: 2127.057+/-0.252 χ^2/NDF: 2202538.3/61

- 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:16.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

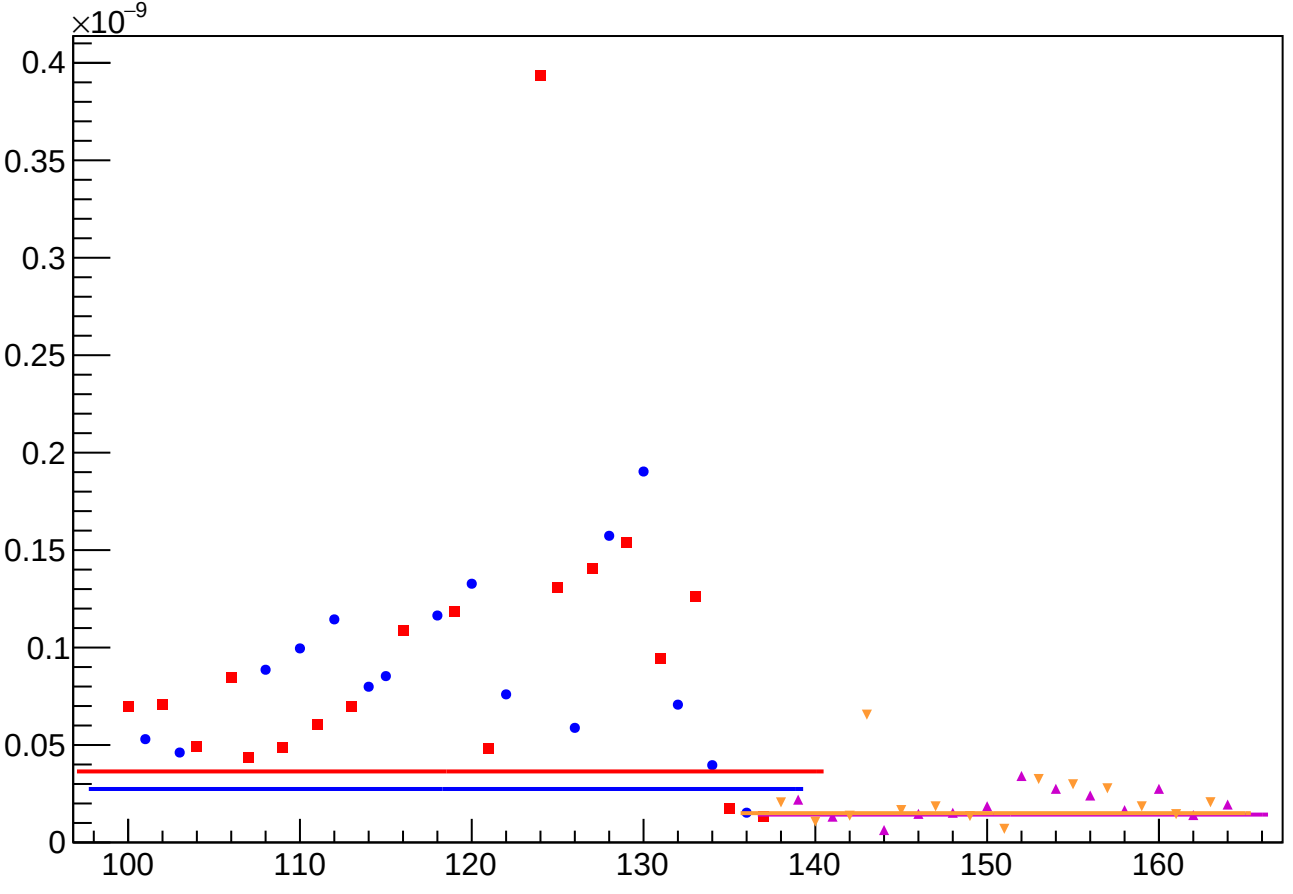
Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/29

All: 0.000+/-0.000 χ^2/NDF: 58.9/61

- 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:1544393.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

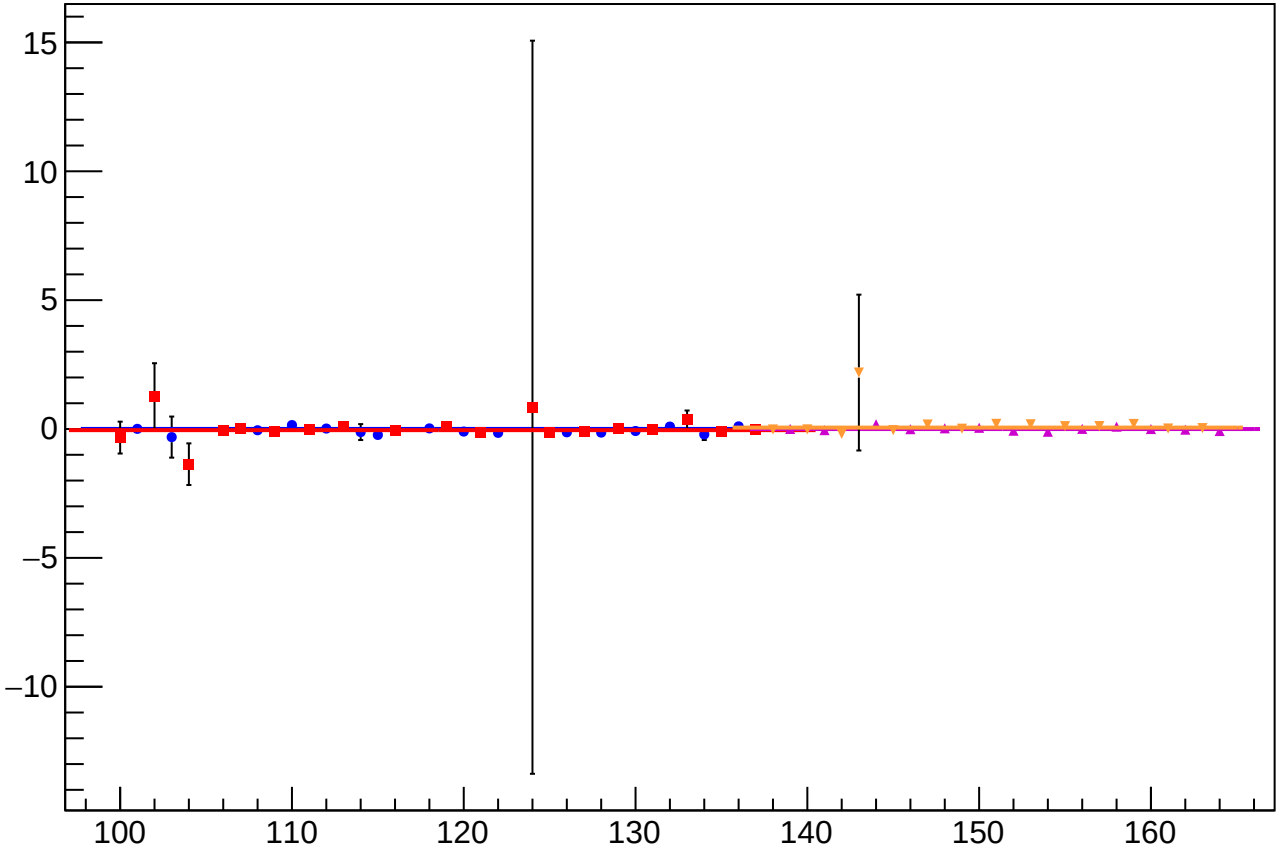
Left In: 0.000+/-0.000 χ^2/NDF:1566646.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4827546.5/29

All: 0.000+/-0.000 χ^2/NDF: 10004469.1/61

- 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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

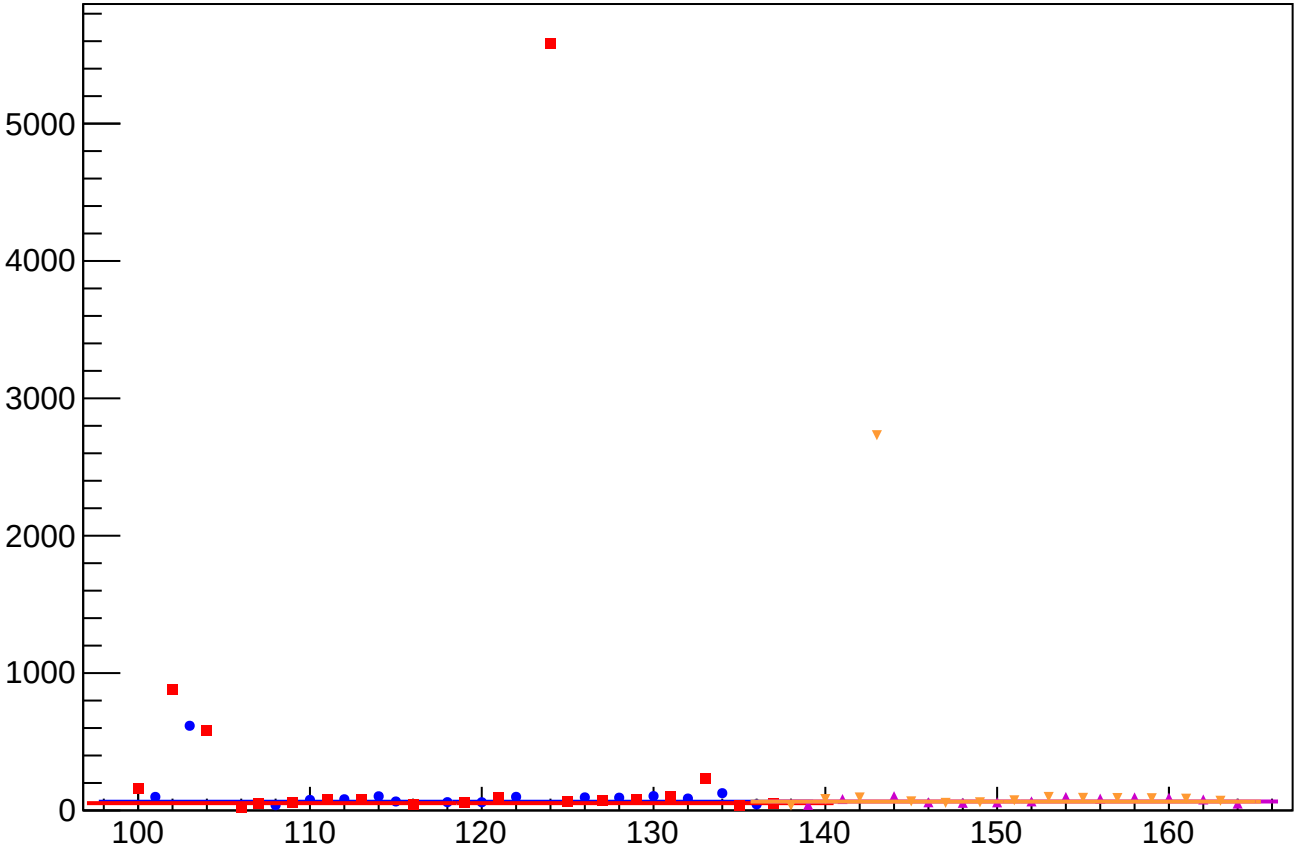
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.006+/-0.012 χ^2/NDF: 61.7/61

- 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: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

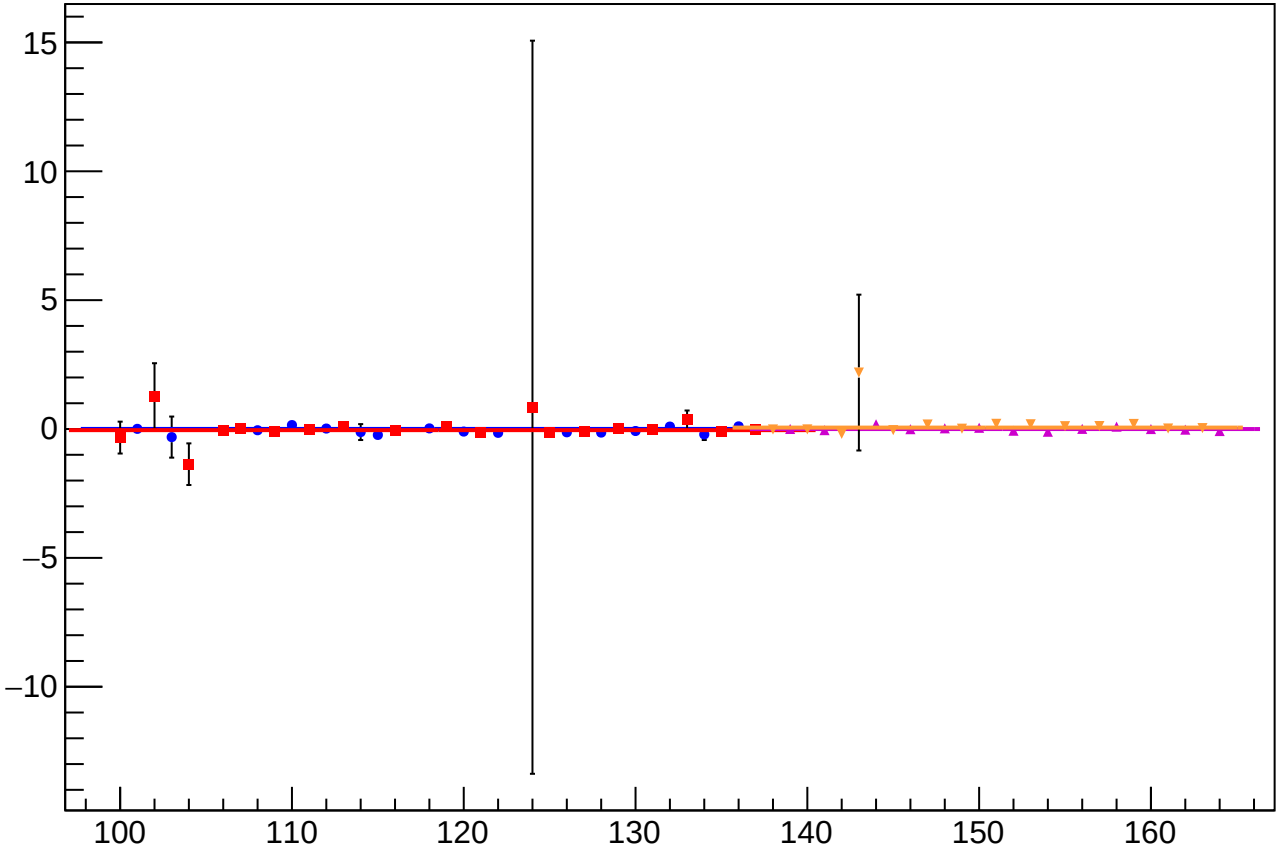
Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

+ sign 64.140+/-0.012 χ^2/NDF: 5826358.1/29

All: 62.005+/-0.008 χ^2/NDF: 11707492.5/61

- 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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

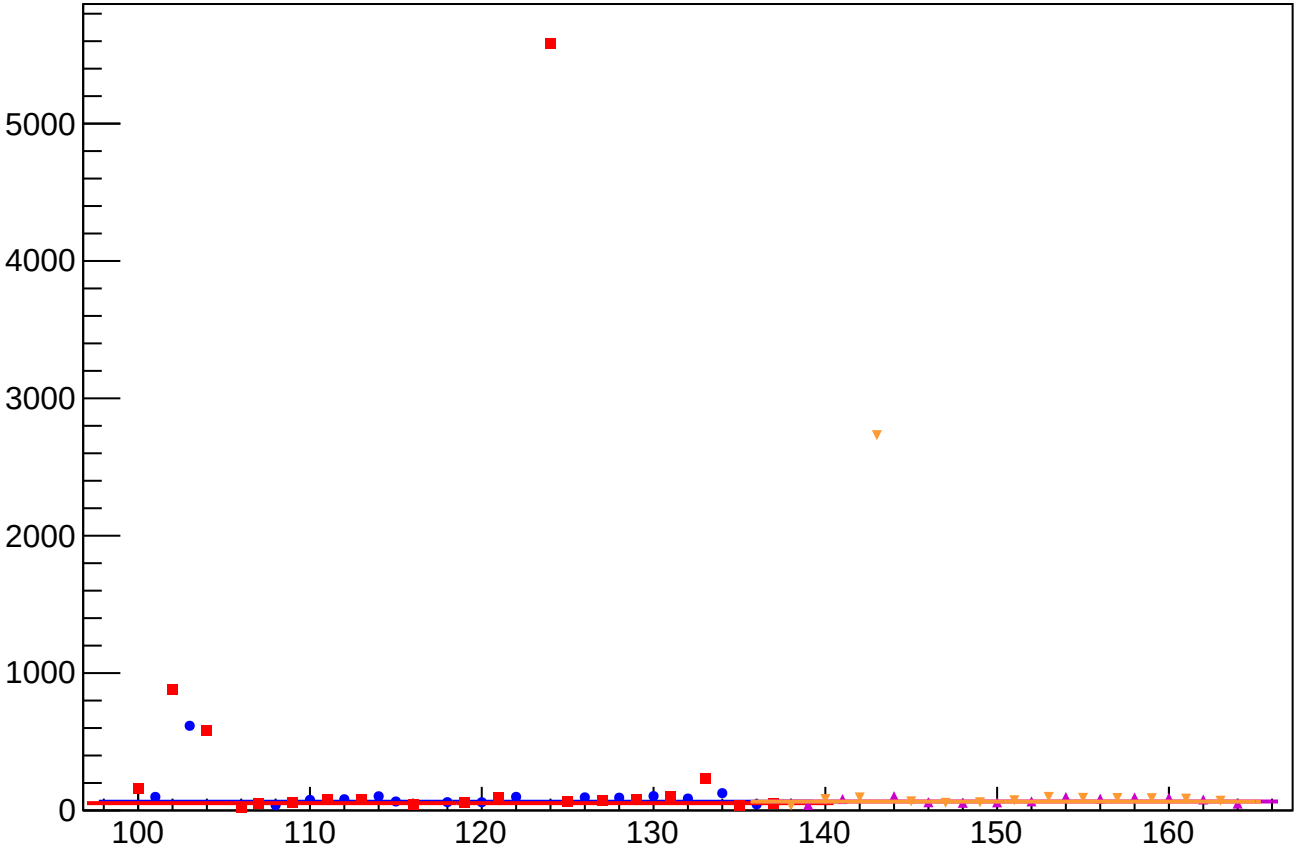
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.006+/-0.012 χ^2/NDF: 61.7/61

- 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: 64.586+/-0.016 χ^2/NDF:3379007.2/13

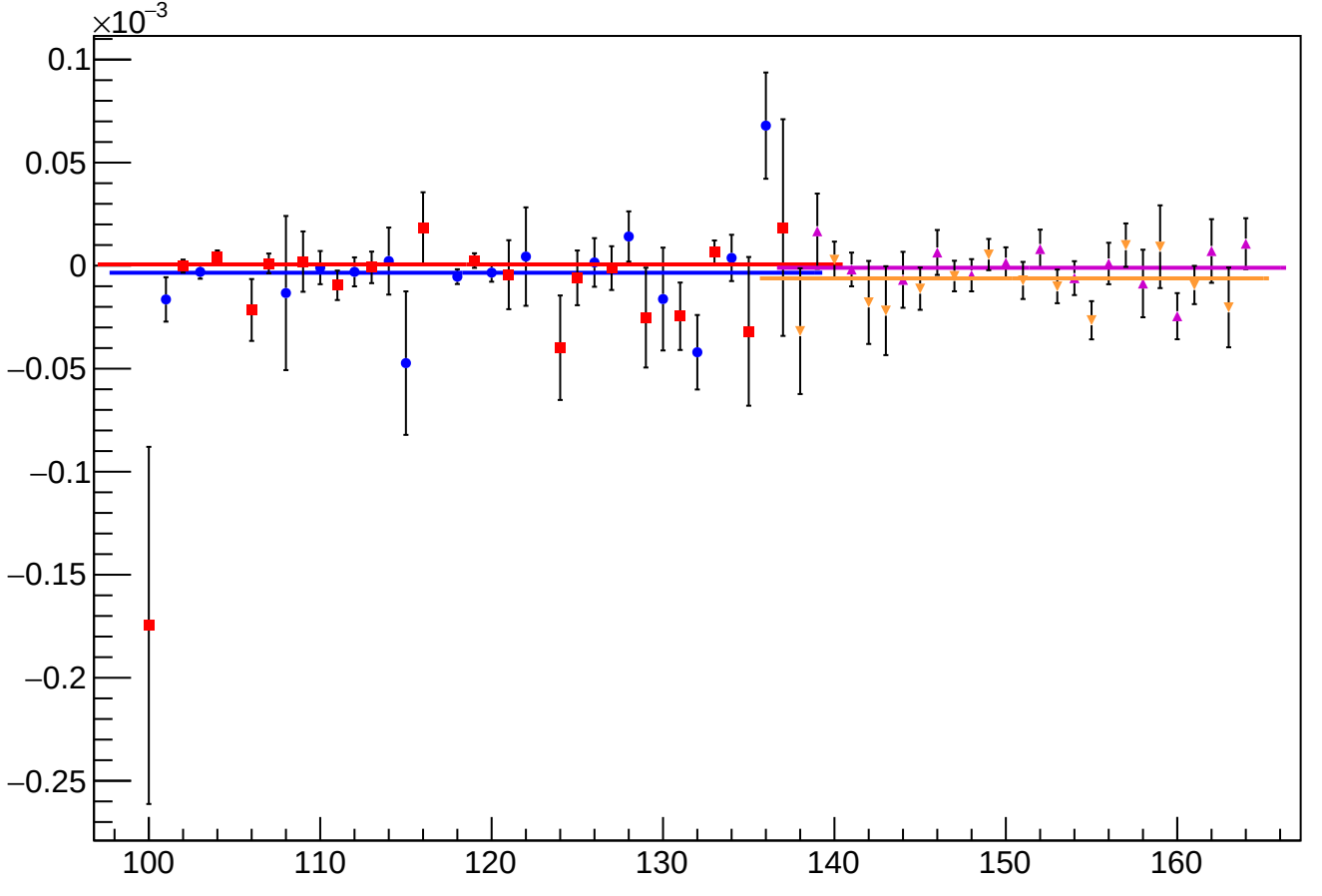
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

+ sign 64.140+/-0.012 χ^2/NDF: 5826358.1/29

All: 62.005+/-0.008 χ^2/NDF: 11707492.5/61

- 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:13.8/13

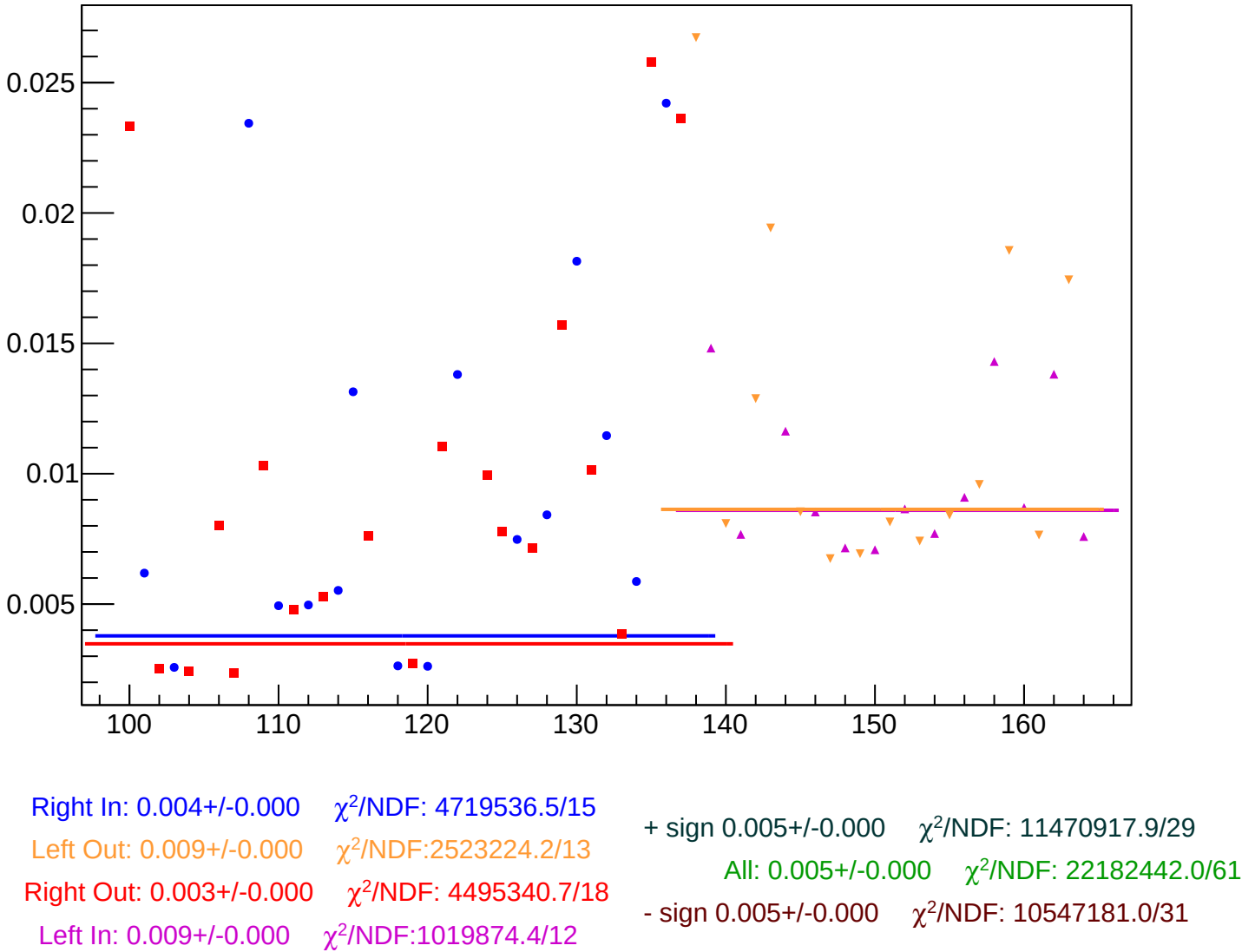
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/12

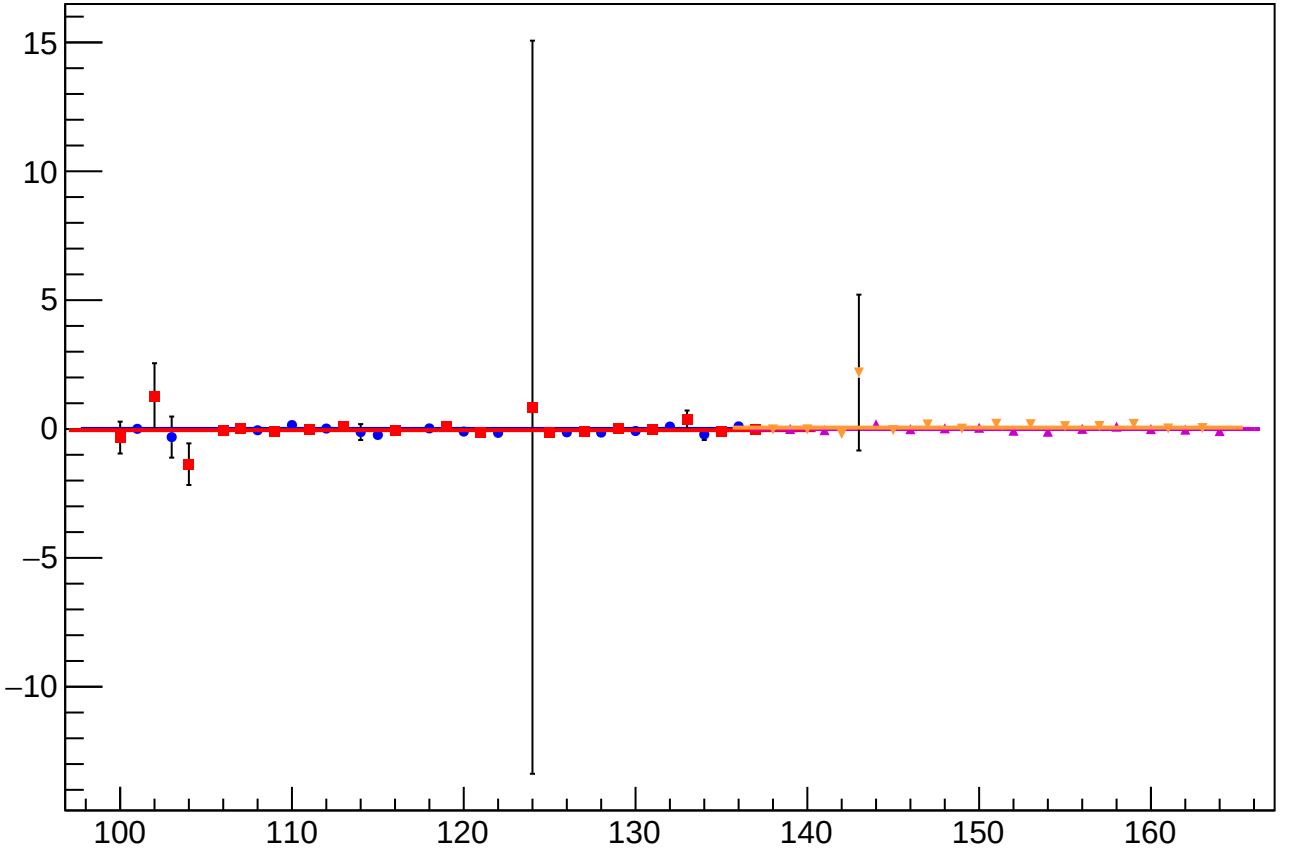
+ sign -0.000+/-0.000 χ^2/NDF: 33.4/29

All: -0.000+/-0.000 χ^2/NDF: 66.7/61

- sign 0.000+/-0.000 χ^2/NDF: 28.5/31


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.009+/-0.000 χ²/NDF:2523224.2/13
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.009+/-0.000 χ²/NDF:1019874.4/12
+ sign 0.005+/-0.000 χ²/NDF: 11470917.9/29
All: 0.005+/-0.000 χ²/NDF: 22182442.0/61
- sign 0.005+/-0.000 χ²/NDF: 10547181.0/31

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

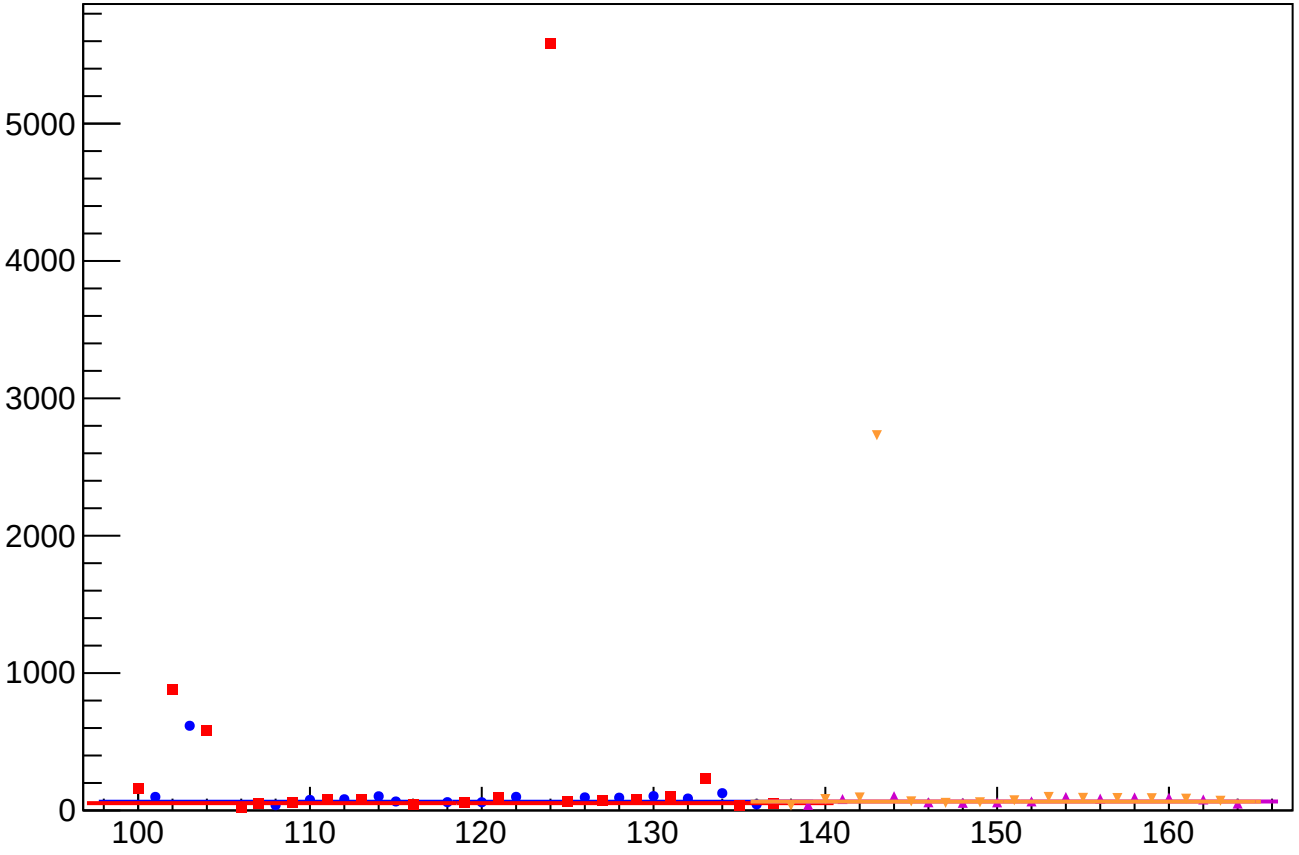
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.006+/-0.012 χ^2/NDF: 61.7/61

- 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: 64.583+/-0.016 χ^2/NDF:3379029.6/13

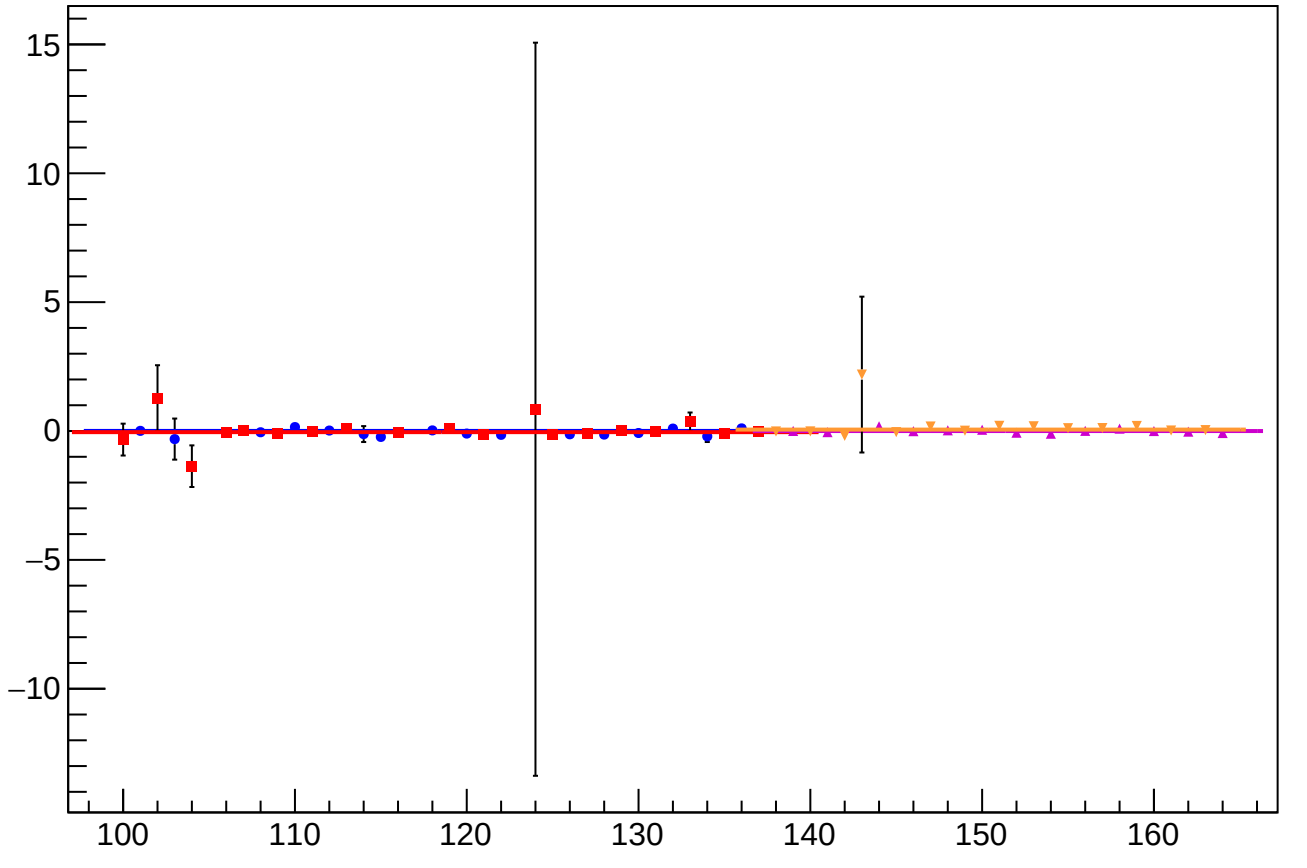
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

+ sign 64.141+/-0.012 χ^2/NDF: 5825438.1/29

All: 62.005+/-0.008 χ^2/NDF: 11707121.5/61

- 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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

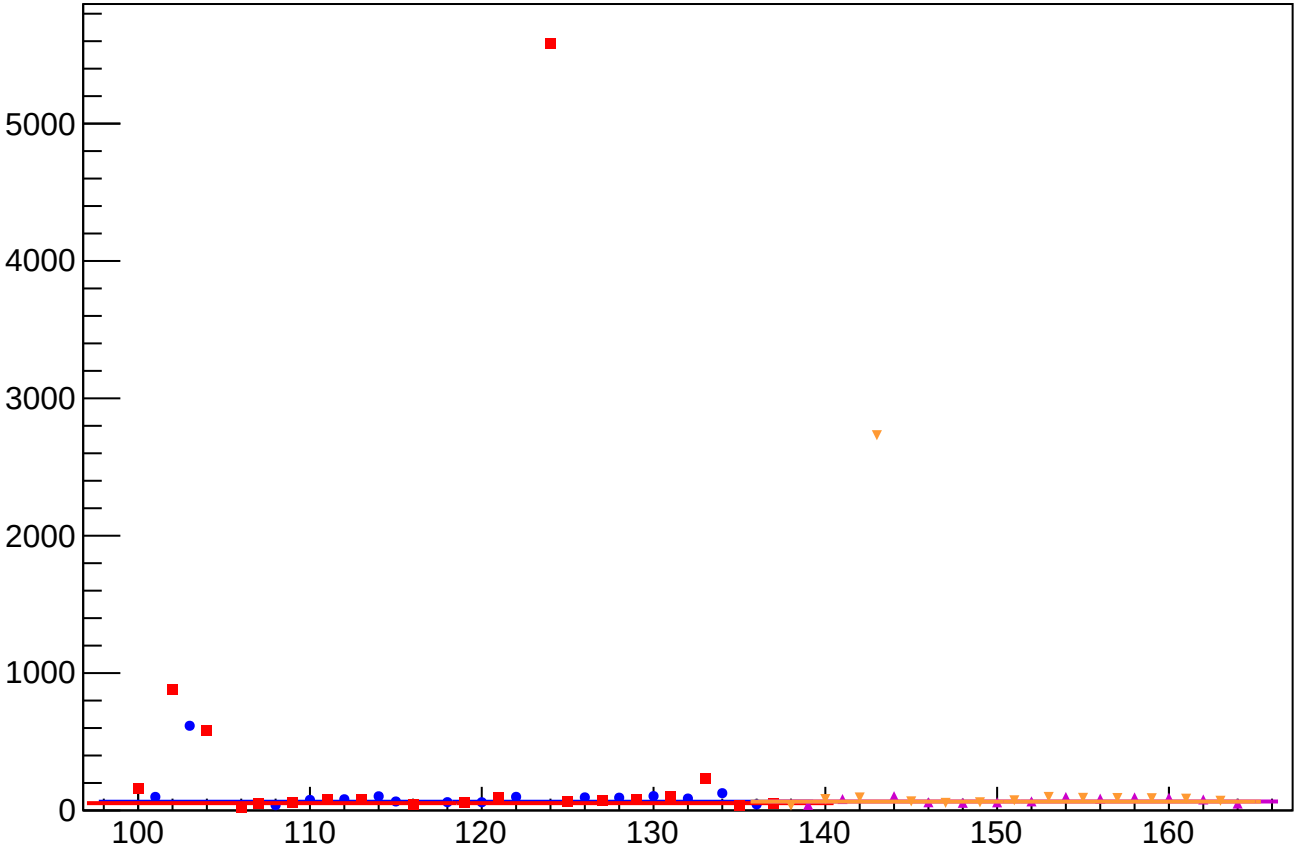
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.006+/-0.012 χ^2/NDF: 61.7/61

- sign -0.019+/-0.016 χ^2/NDF: 21.7/31

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

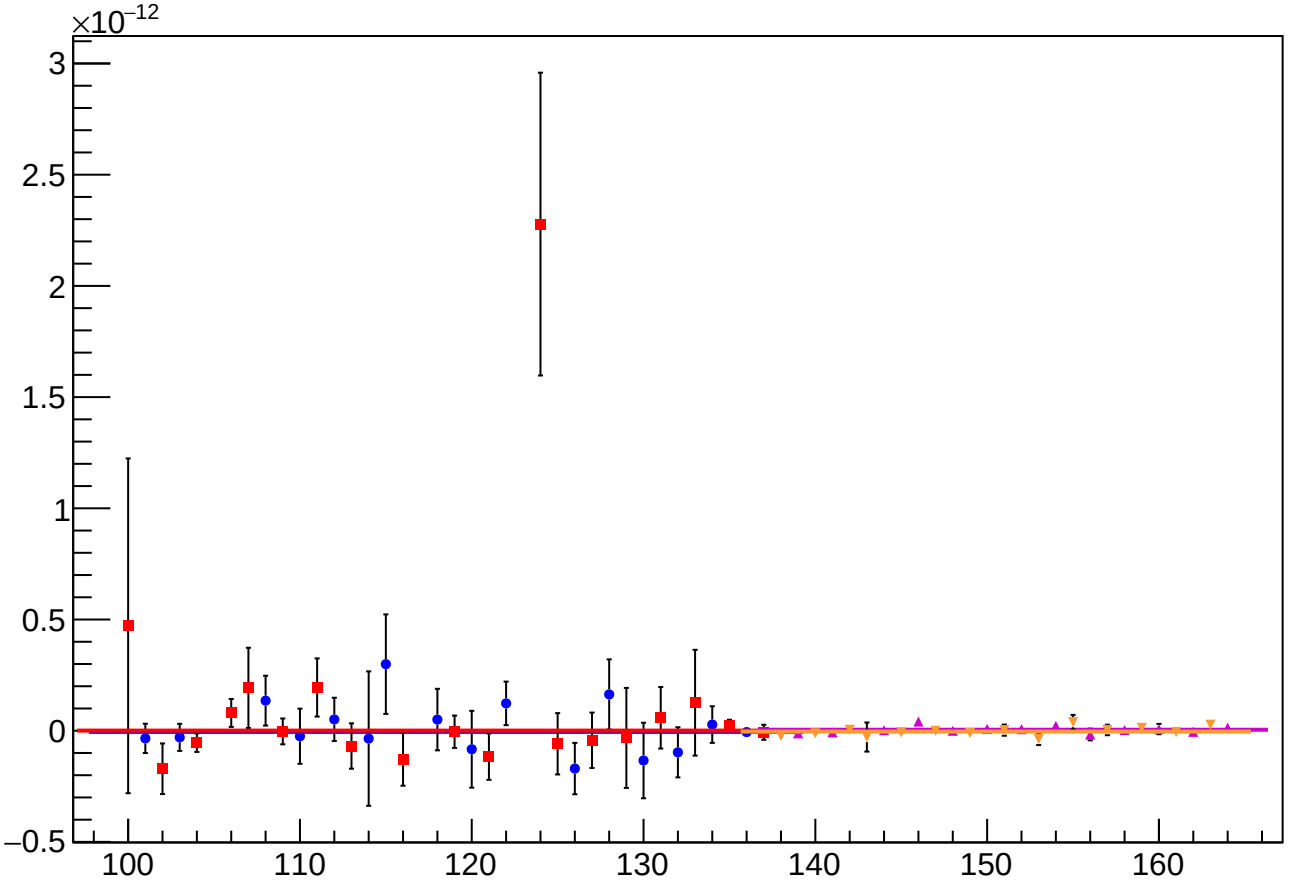
Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

+ sign 64.141+/-0.012 χ^2/NDF: 5825438.1/29

All: 62.005+/-0.008 χ^2/NDF: 11707121.5/61

- 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:9.6/13

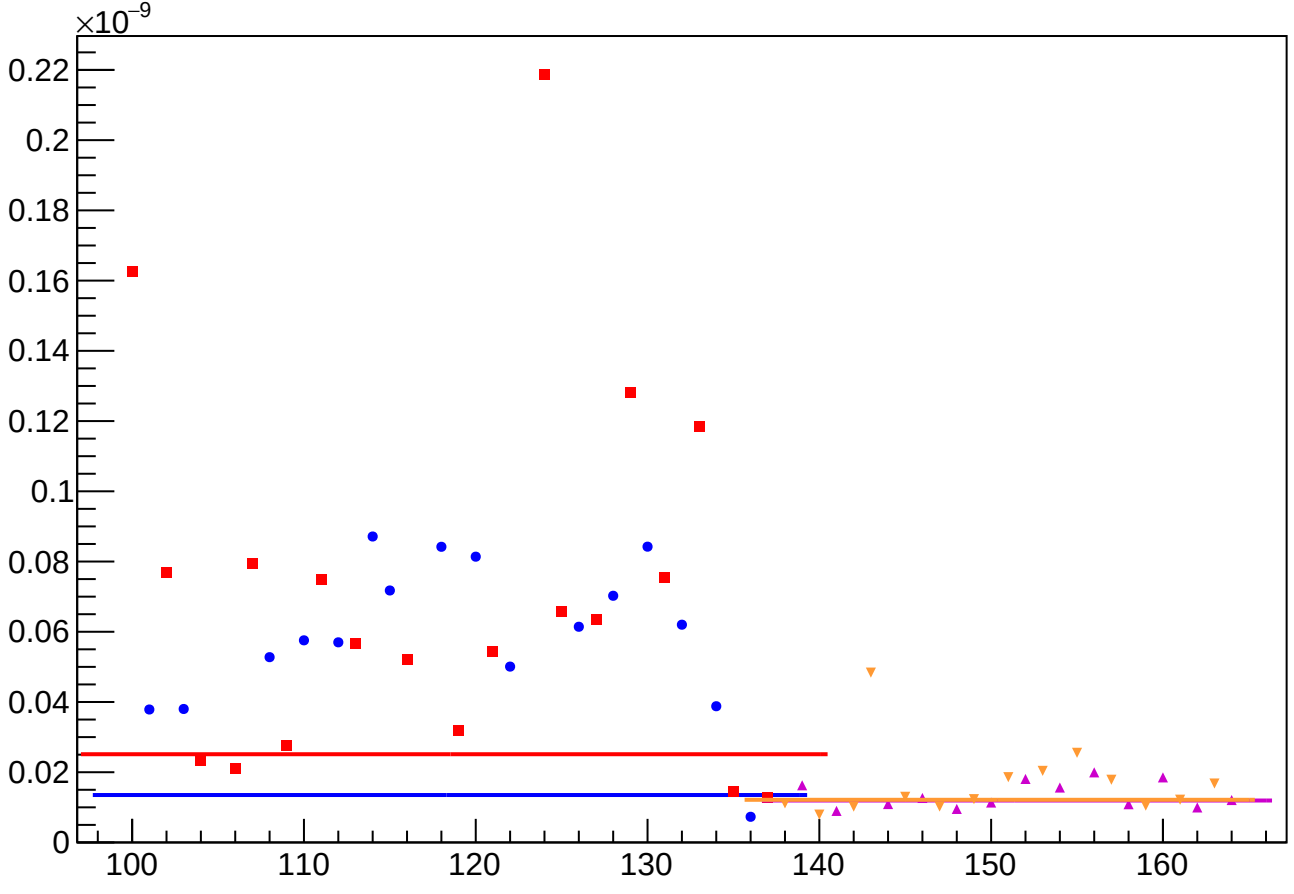
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/29

All: -0.000+/-0.000 χ^2/NDF: 56.4/61

- 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:1910286.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

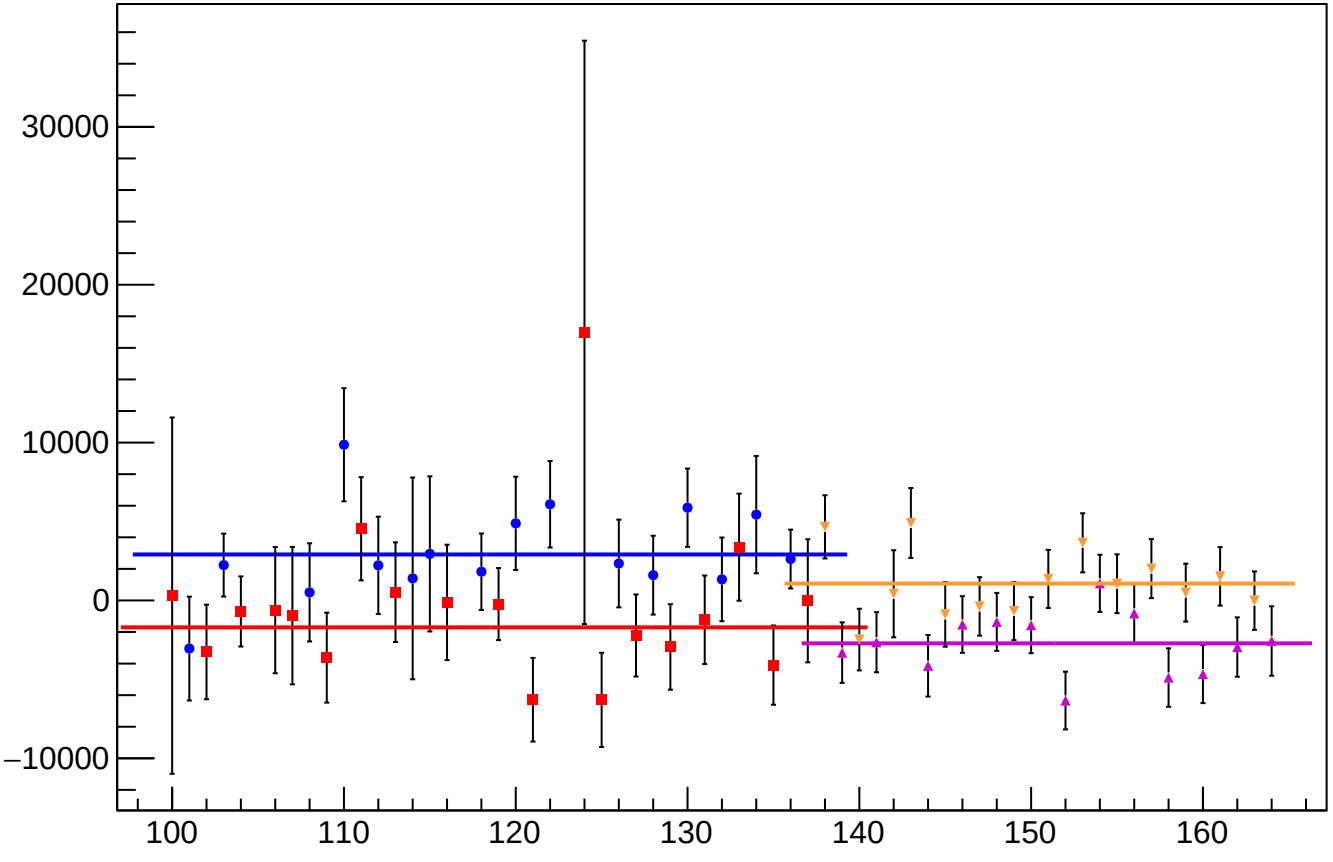
Left In: 0.000+/-0.000 χ^2/NDF:884081.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 6932769.1/29

All: 0.000+/-0.000 χ^2/NDF: 12824544.2/61

- 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: 1070.190+/-519.380 χ^2/NDF:14.7/13

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

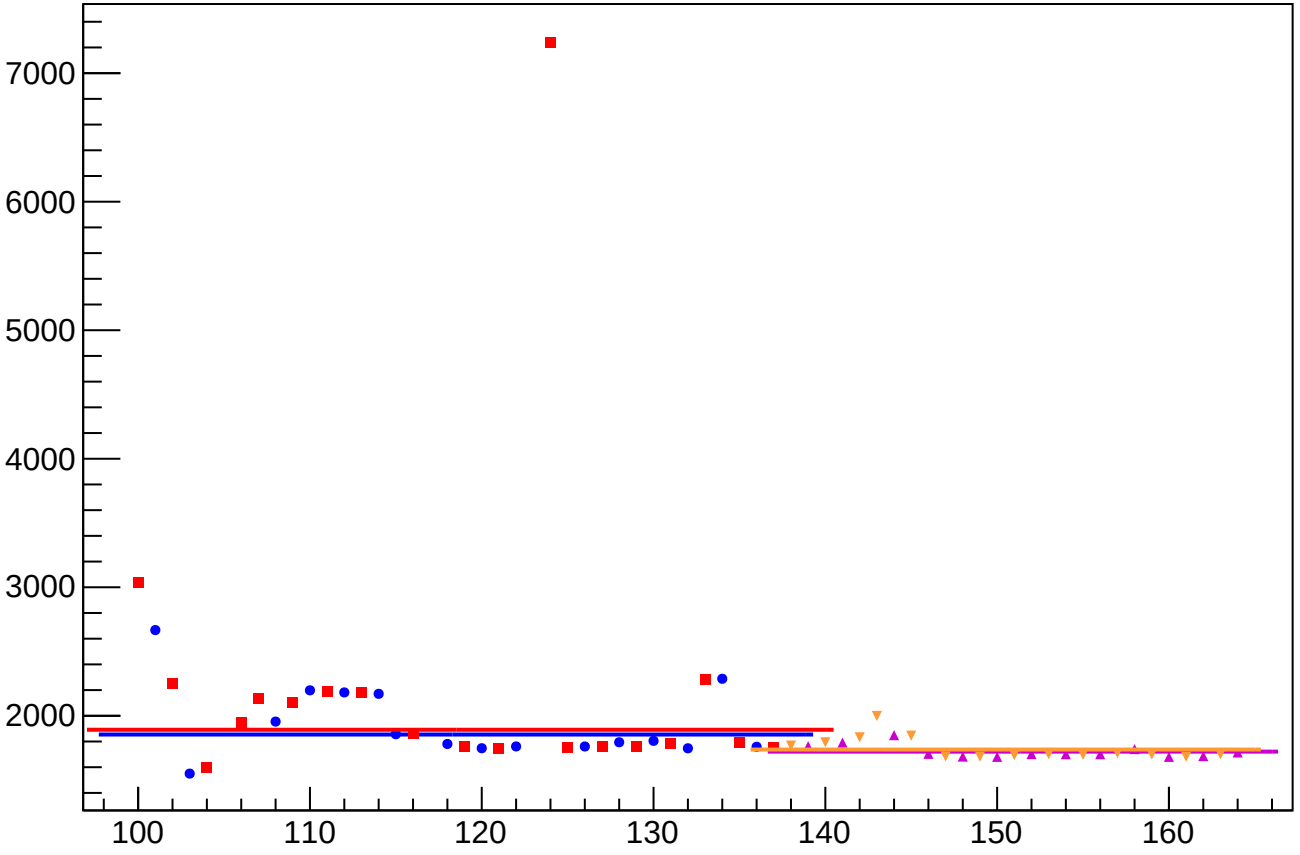
Left In: -2718.262+/-519.858 χ^2/NDF:13.9/12

+ sign 1730.474+/-416.054 χ^2/NDF: 31.6/29

All: -302.618+/-295.157 χ^2/NDF: 110.8/61

- 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: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

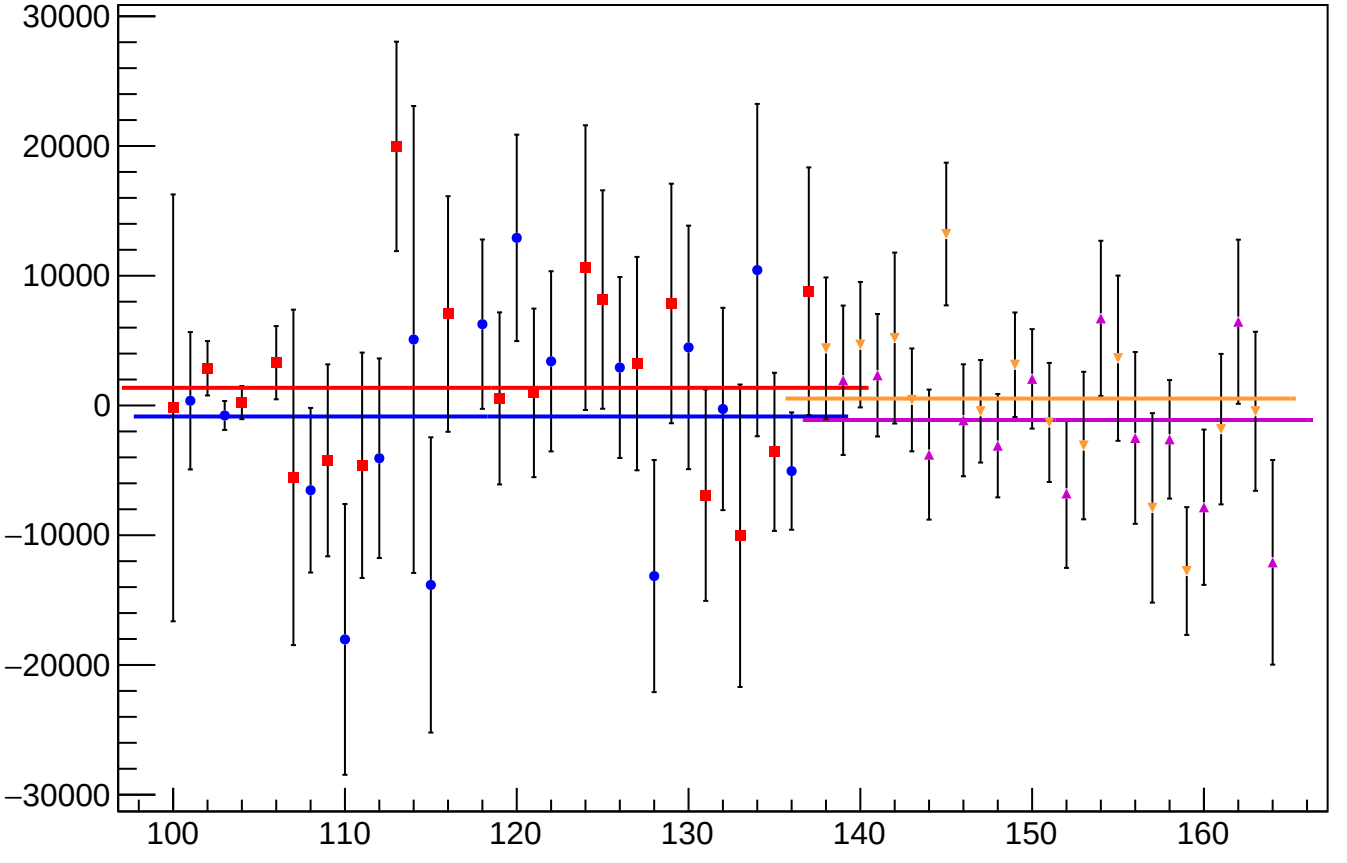
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.5/29

All: 1780.248+/-0.209 χ^2/NDF: 804504.6/61

- 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: 533.609+/-1359.589 χ^2/NDF:17.2/13

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

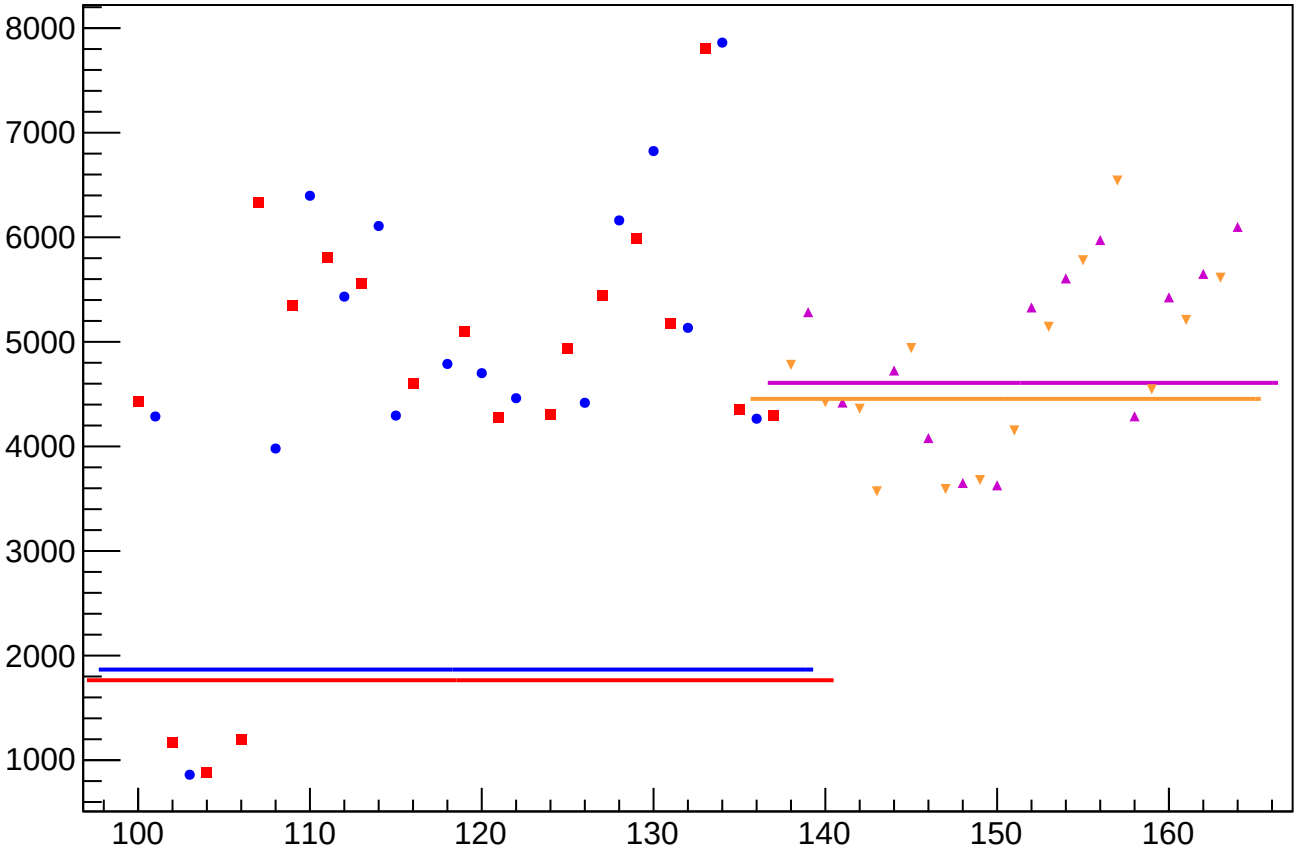
Left In: -1117.750+/-1417.655 χ^2/NDF:9.5/12

+ sign -386.462+/-785.800 χ^2/NDF: 31.7/29

All: 133.245+/-549.727 χ^2/NDF: 58.2/61

- 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: 4454.835+/-0.961 χ^2/NDF:686087.6/13

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

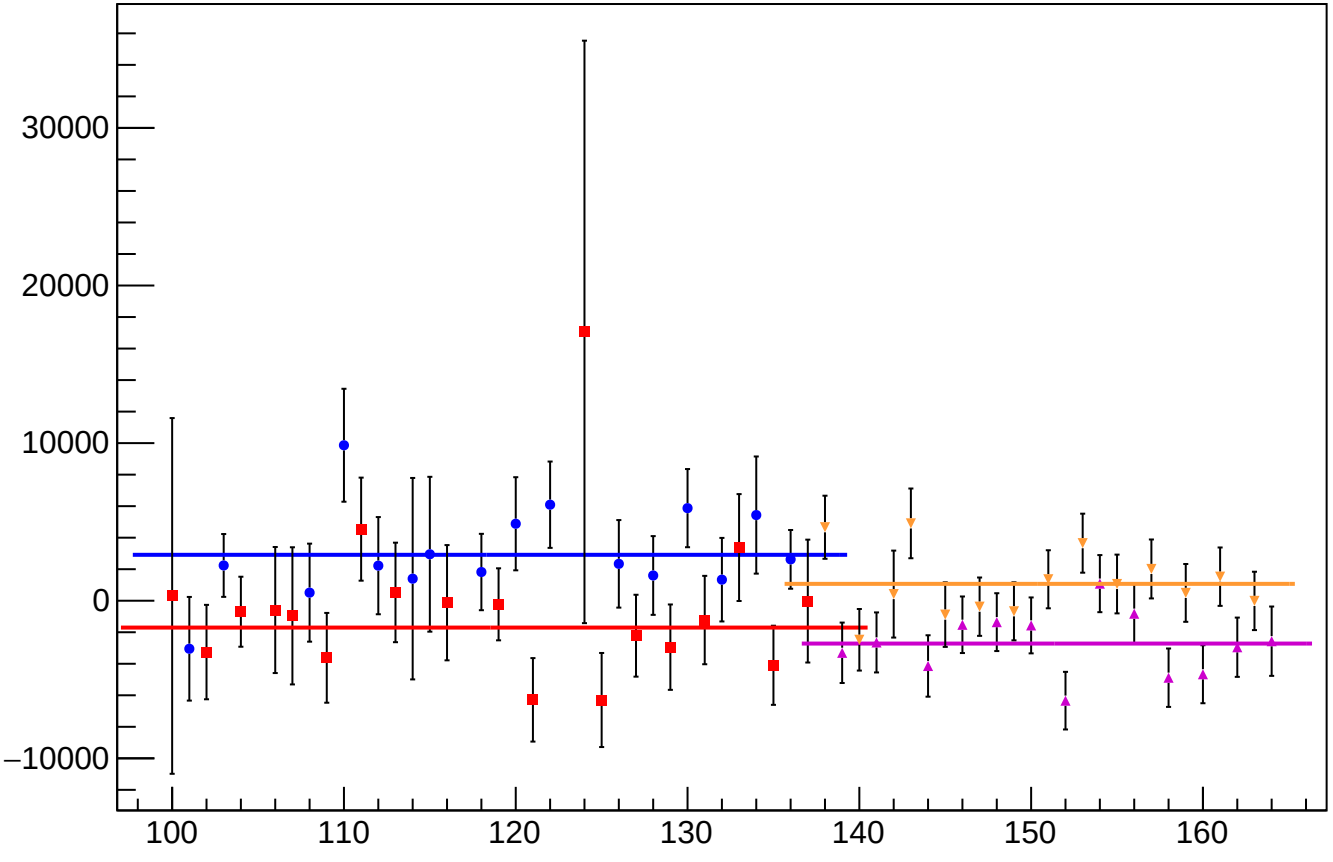
Left In: 4607.825+/-1.002 χ^2/NDF:653068.9/12

+ sign 2731.063+/-0.556 χ^2/NDF: 12363320.2/29

All: 2665.007+/-0.389 χ^2/NDF: 25155740.2/6

- 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: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

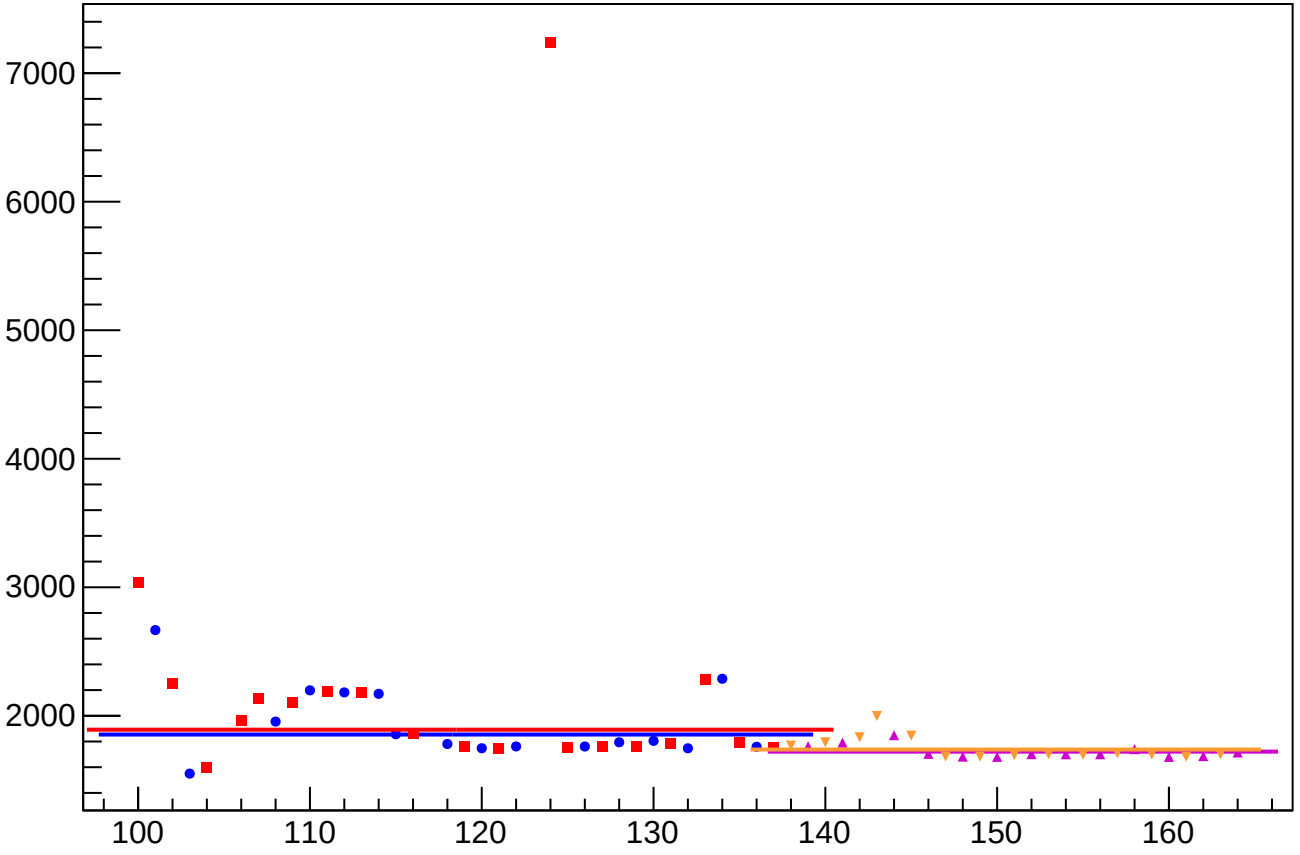
Left In: -2718.328+/-519.858 χ^2/NDF:13.9/12

+ sign 1730.395+/-416.054 χ^2/NDF: 31.6/29

All: -302.437+/-295.157 χ^2/NDF: 110.8/61

- 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: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

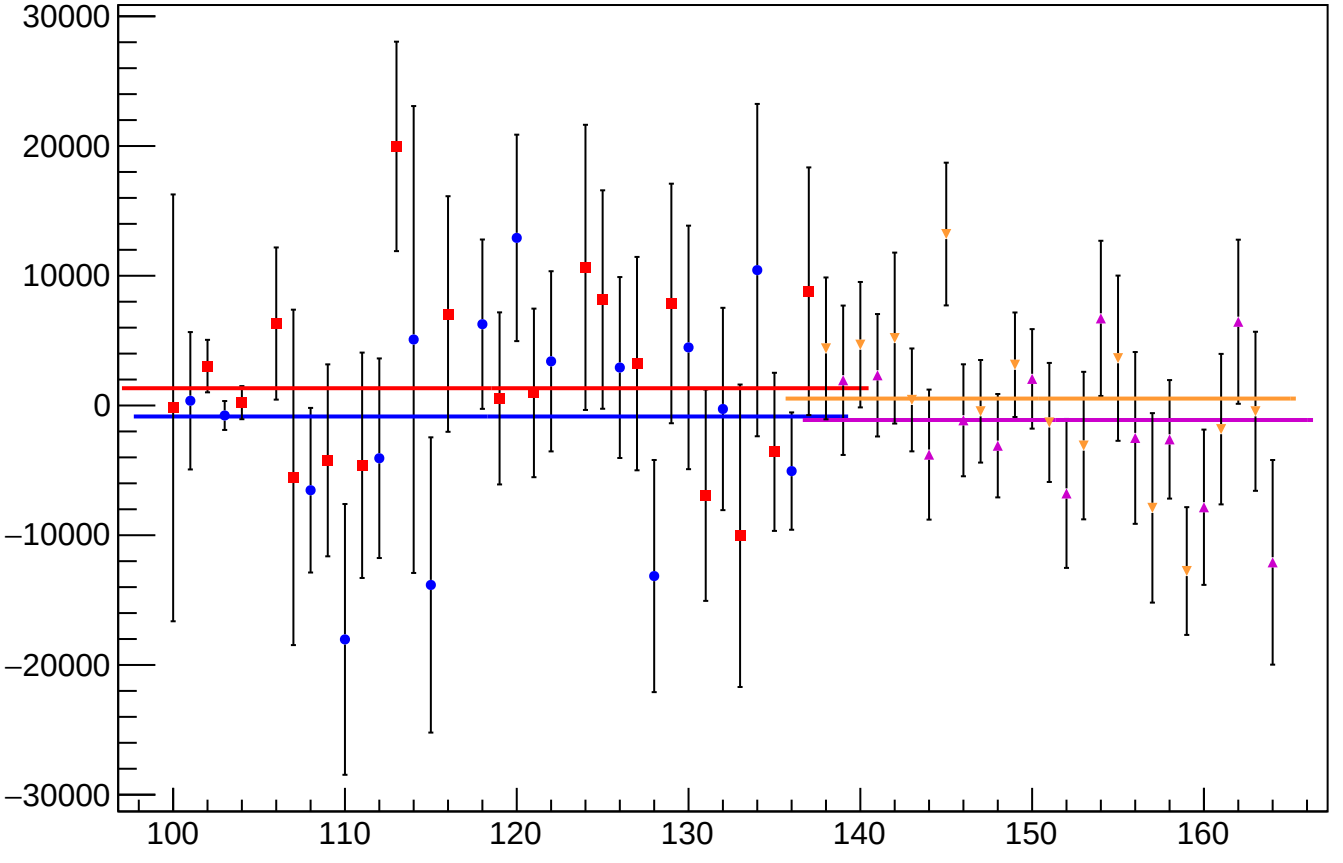
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.4/29

All: 1780.319+/-0.209 χ^2/NDF: 805134.1/61

- 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: 533.564+/-1359.588 χ^2/NDF:17.2/13

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

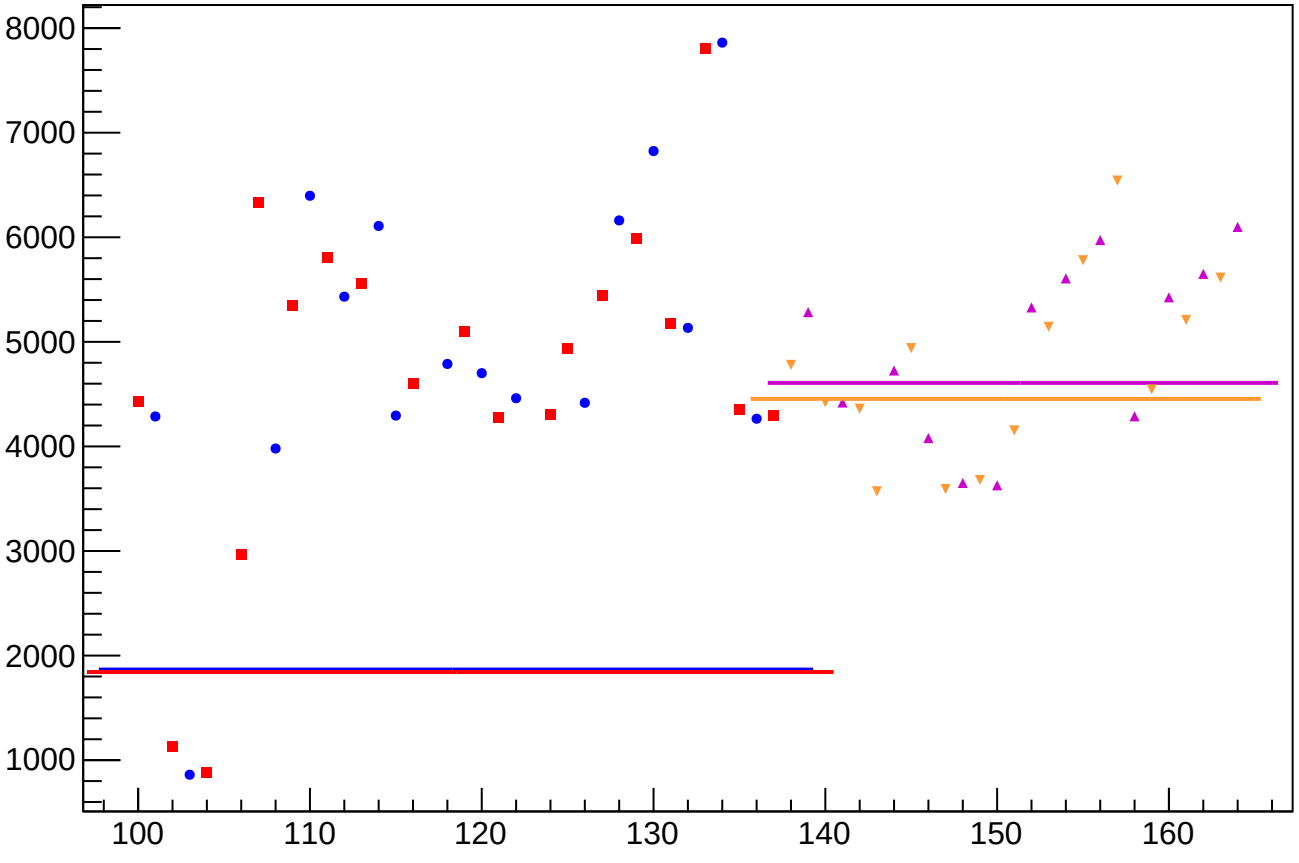
Left In: -1117.876+/-1417.655 χ^2/NDF:9.5/12

+ sign -386.195+/-785.770 χ^2/NDF: 31.7/29

All: 92.650+/-556.457 χ^2/NDF: 58.4/61

- 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: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

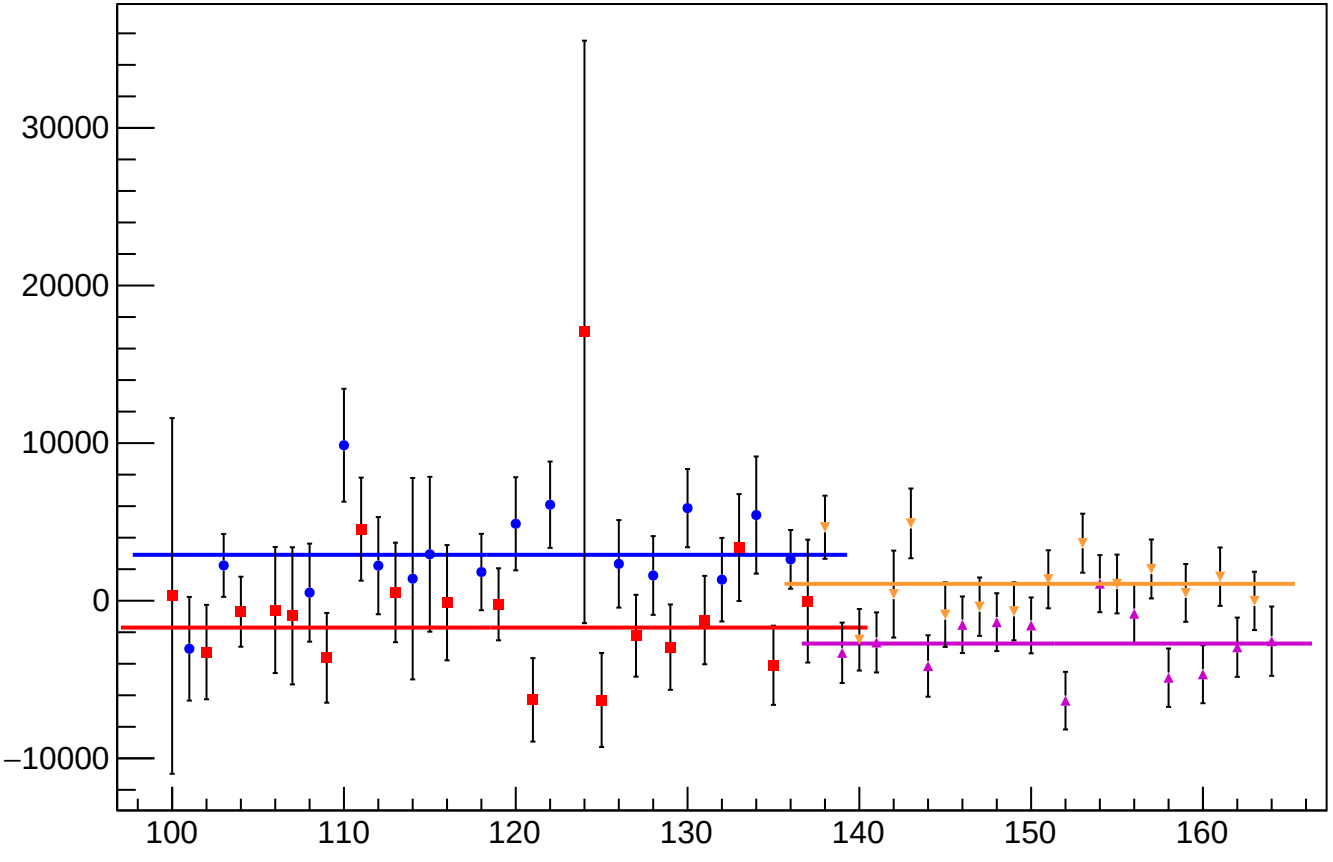
Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

+ sign 2730.897+/-0.556 χ^2/NDF: 12364496.7/29

All: 2714.221+/-0.393 χ^2/NDF: 24734314.2/6

- 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: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

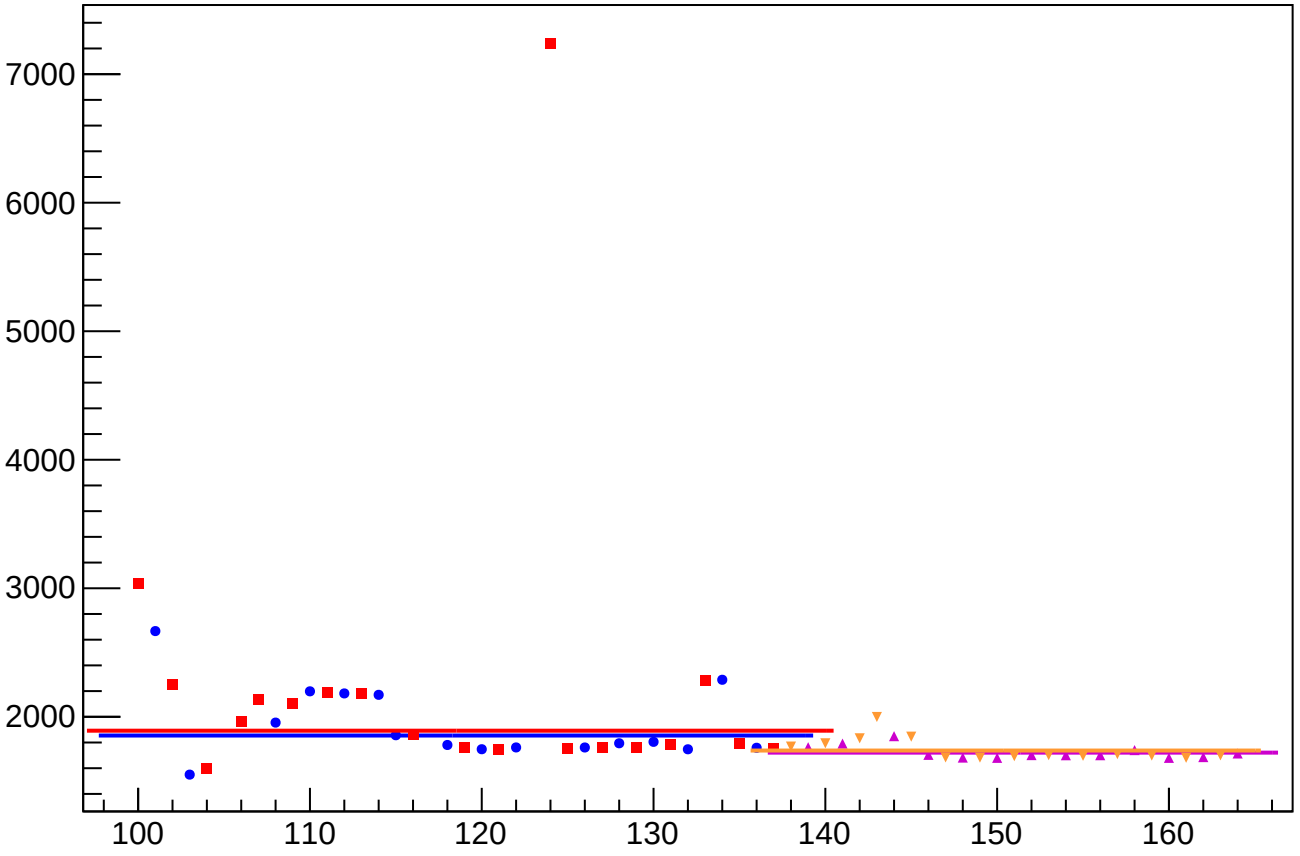
Left In: -2718.328+/-519.858 χ^2/NDF:13.9/12

+ sign 1730.395+/-416.054 χ^2/NDF: 31.6/29

All: -302.437+/-295.157 χ^2/NDF: 110.8/61

- 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: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

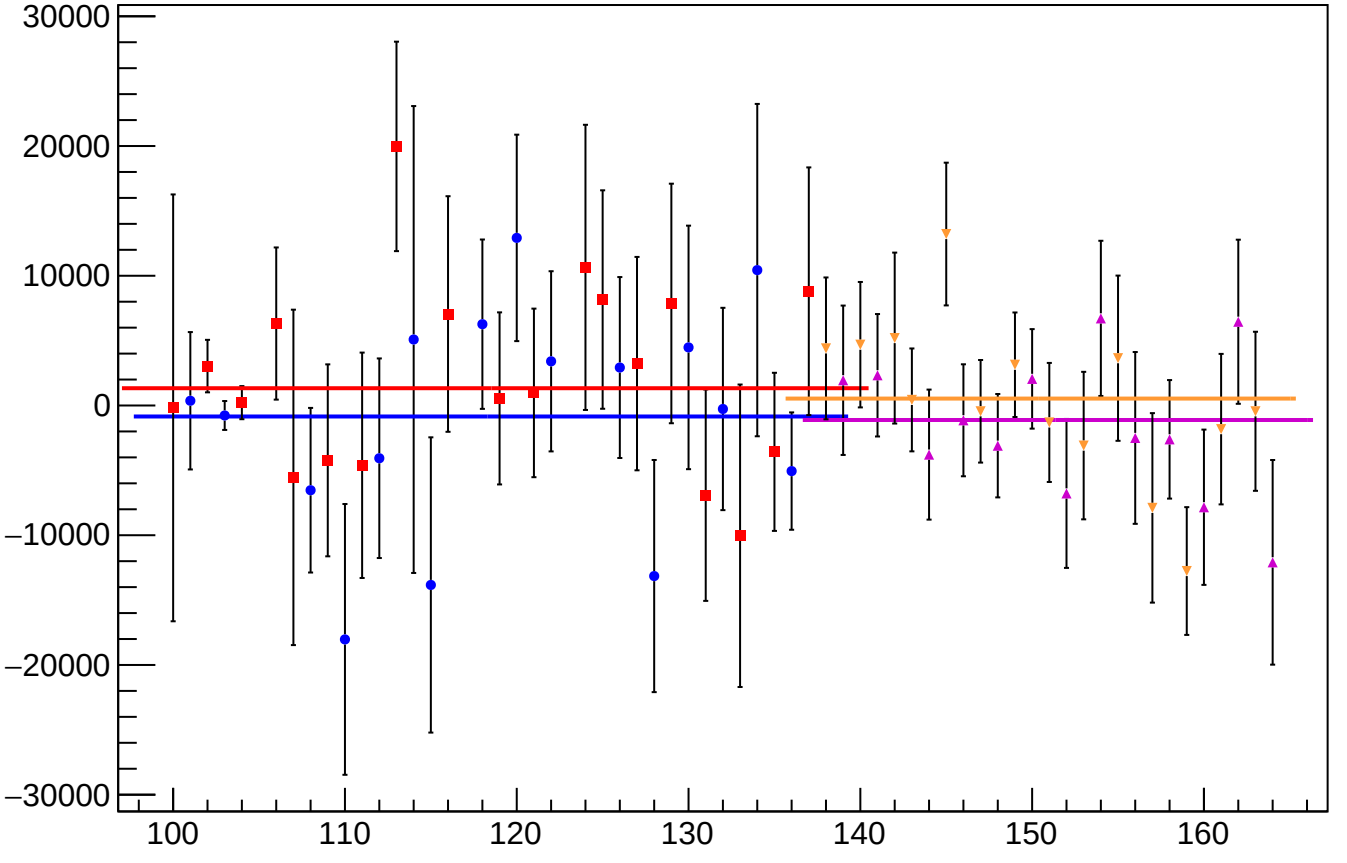
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.4/29

All: 1780.319+/-0.209 χ^2/NDF: 805134.1/61

- 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: 533.564+/-1359.588 χ^2/NDF:17.2/13

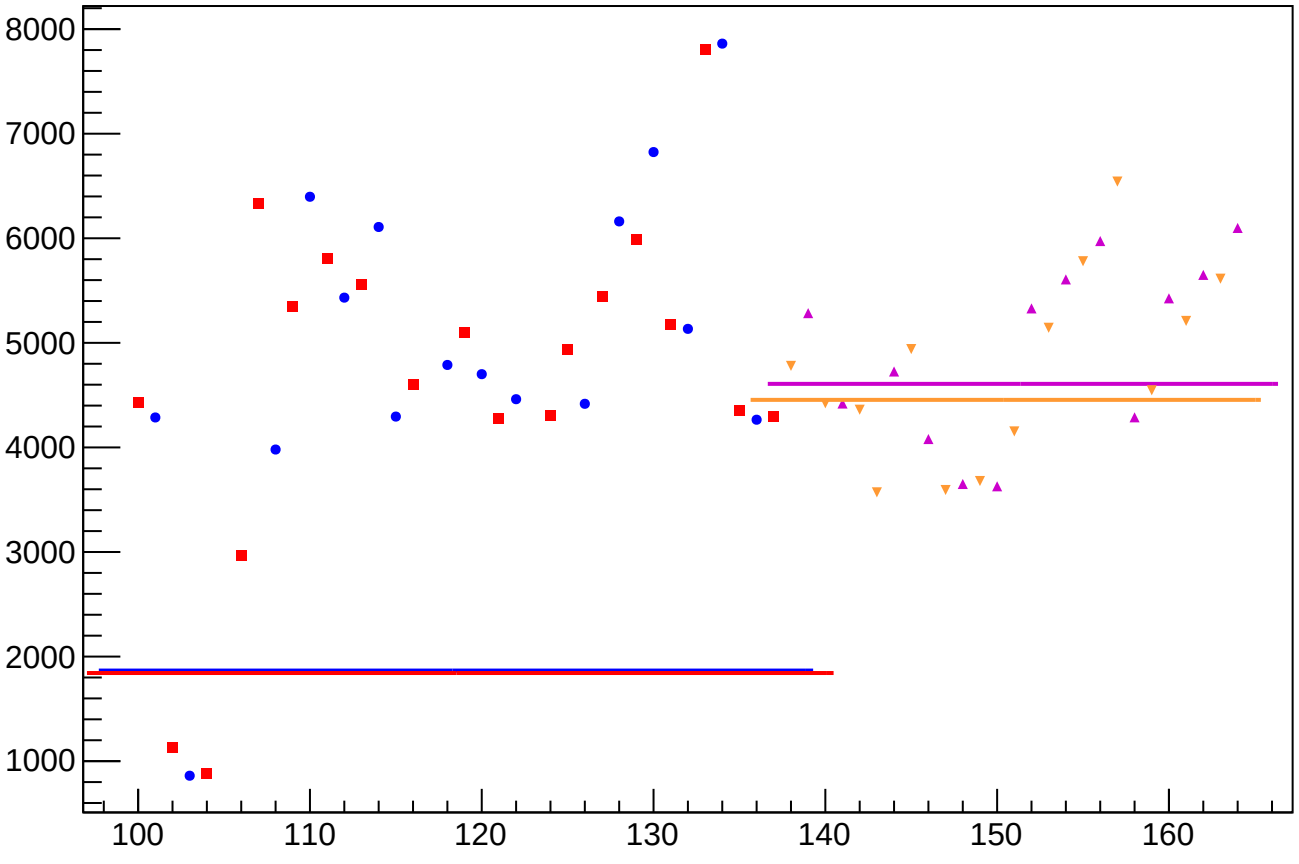
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -1117.876+/-1417.655 χ^2/NDF:9.5/12

+ sign -386.195+/-785.770 χ^2/NDF: 31.7/29

All: 92.650+/-556.457 χ^2/NDF: 58.4/61

- 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: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

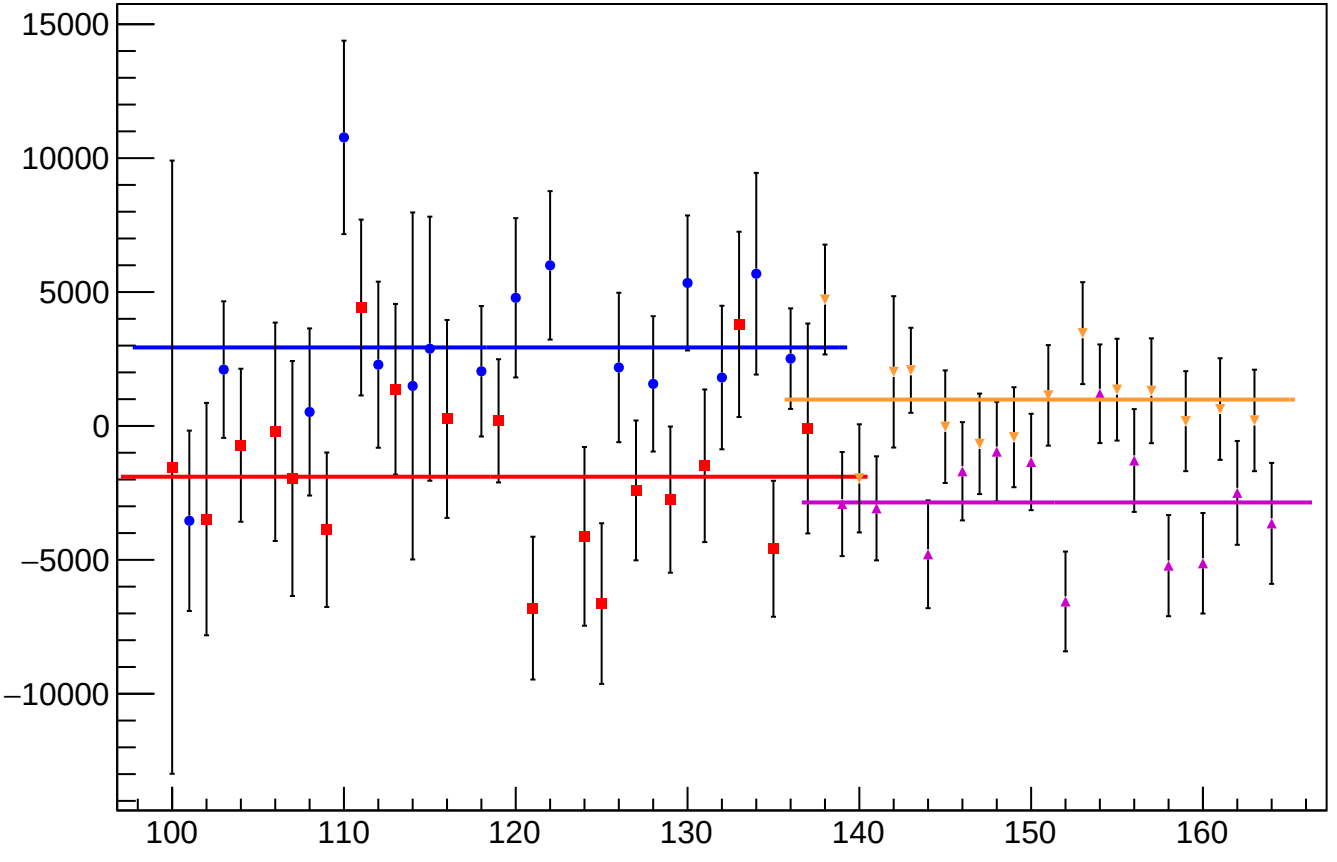
Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

+ sign 2730.897+/-0.556 χ^2/NDF: 12364496.7/29

All: 2714.221+/-0.393 χ^2/NDF: 24734314.2/6

- 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: 984.734+/-516.893 χ^2/NDF:9.8/13

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

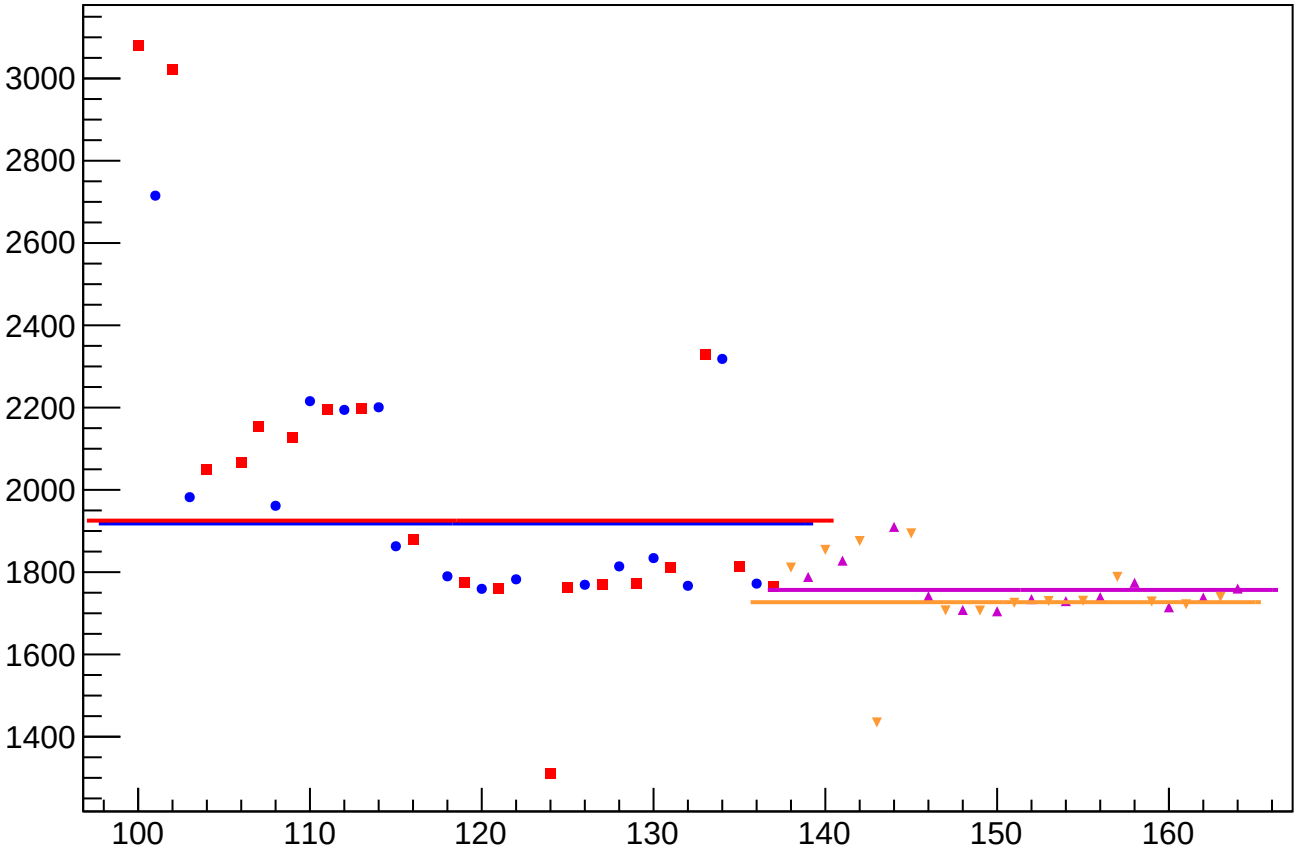
Left In: -2856.213+/-530.663 χ^2/NDF:15.7/12

+ sign 1648.962+/-419.556 χ^2/NDF: 27.6/29

All: -395.646+/-299.468 χ^2/NDF: 110.3/61

- 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: 1727.013+/-0.365 χ^2/NDF:99846.9/13

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

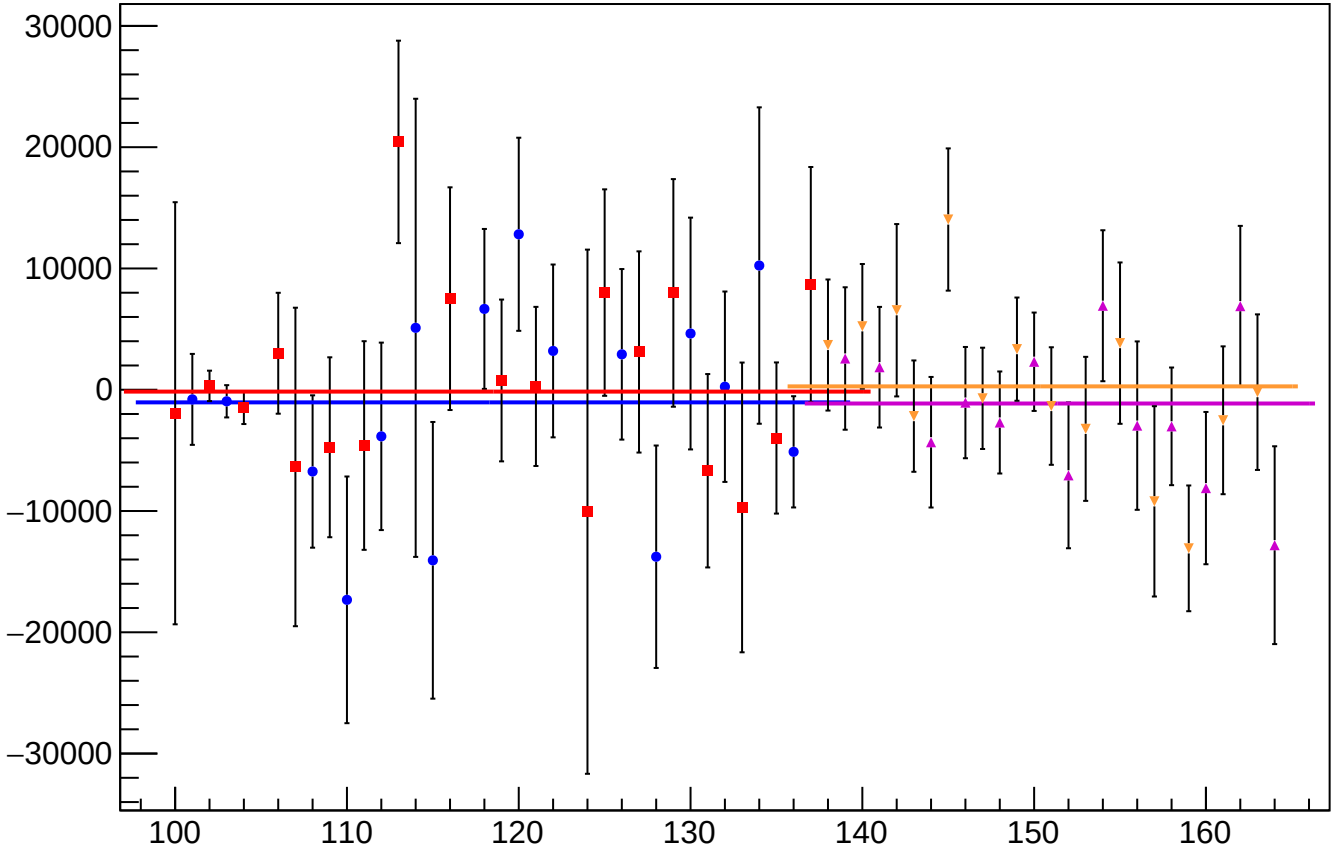
Left In: 1756.797+/-0.375 χ^2/NDF:20225.7/12

+ sign 1792.296+/-0.297 χ^2/NDF: 408951.4/29

All: 1803.903+/-0.212 χ^2/NDF: 842167.4/61

- 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: 277.049+/-1444.522 χ^2/NDF:17.5/13

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

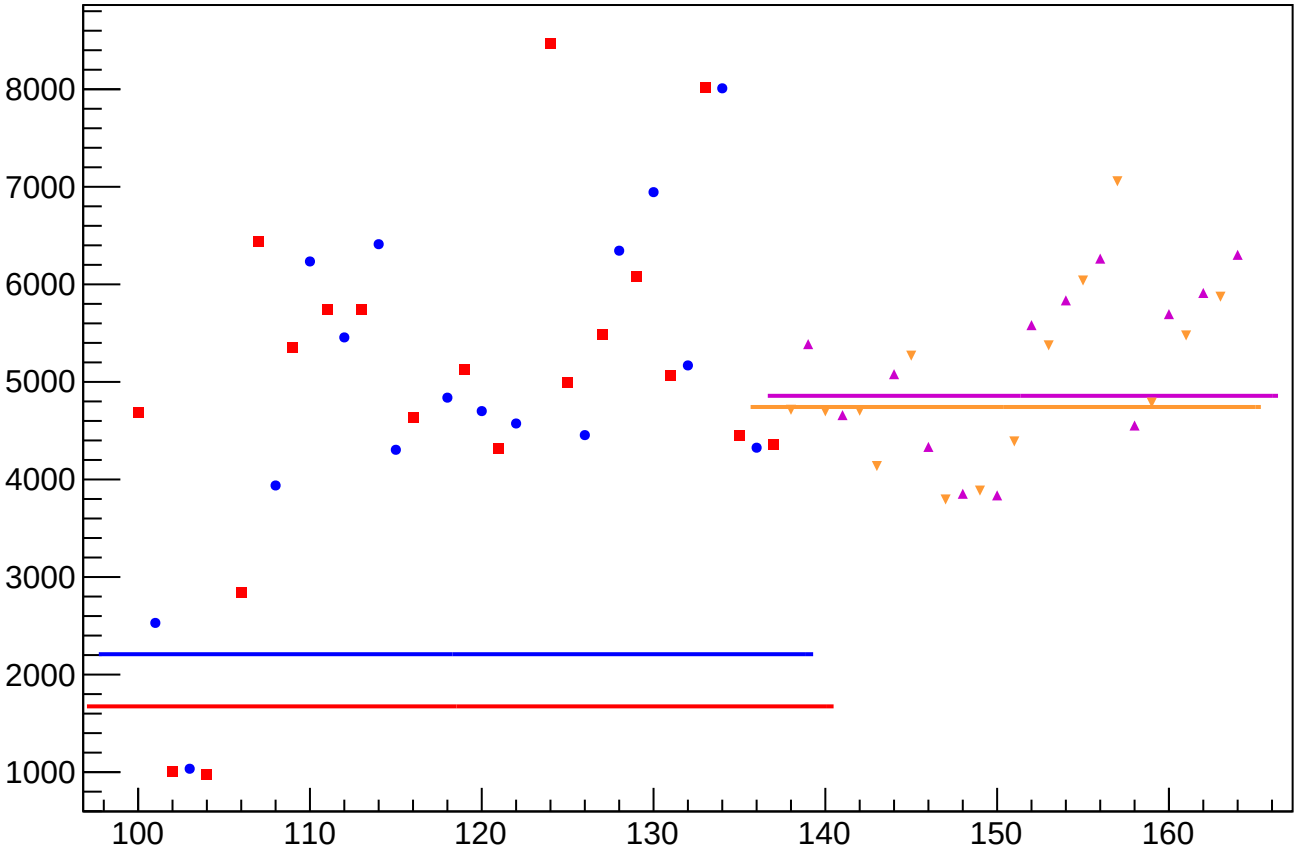
Left In: -1135.320+/-1492.875 χ^2/NDF:9.6/12

+ sign -573.260+/-861.058 χ^2/NDF: 31.9/29

All: -465.275+/-556.461 χ^2/NDF: 55.6/61

- 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: 4743.040+/-1.021 χ^2/NDF:609675.0/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

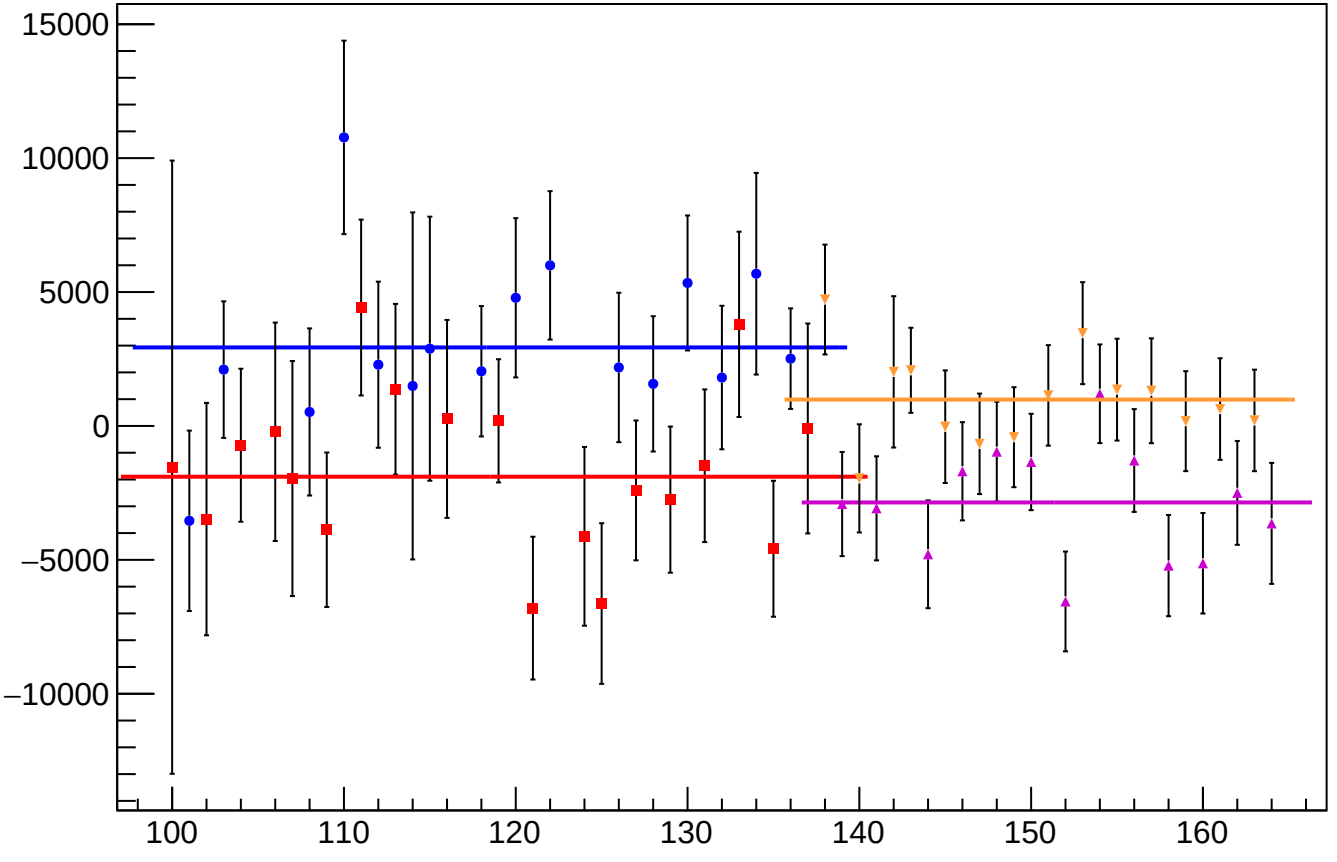
Left In: 4857.510+/-1.056 χ^2/NDF:606978.1/12

+ sign 3109.331+/-0.609 χ^2/NDF: 10076806.3/29

All: 2715.838+/-0.393 χ^2/NDF: 25178511.9/6

- 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: 984.723+/-516.893 χ^2/NDF:9.8/13

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

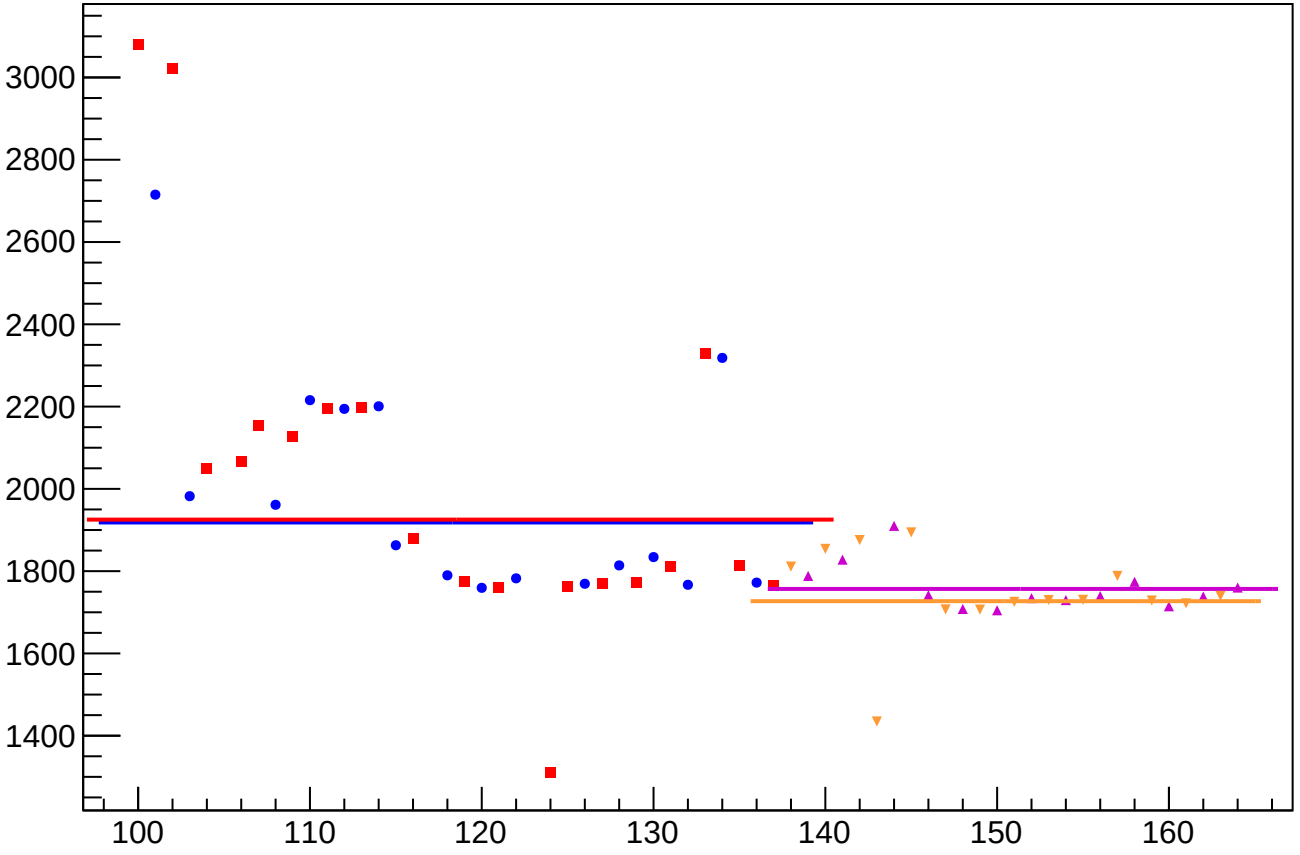
Left In: -2856.215+/-530.664 χ^2/NDF:15.7/12

+ sign 1648.957+/-419.556 χ^2/NDF: 27.6/29

All: -395.650+/-299.468 χ^2/NDF: 110.3/61

- 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: 1727.014+/-0.365 χ^2/NDF:99846.0/13

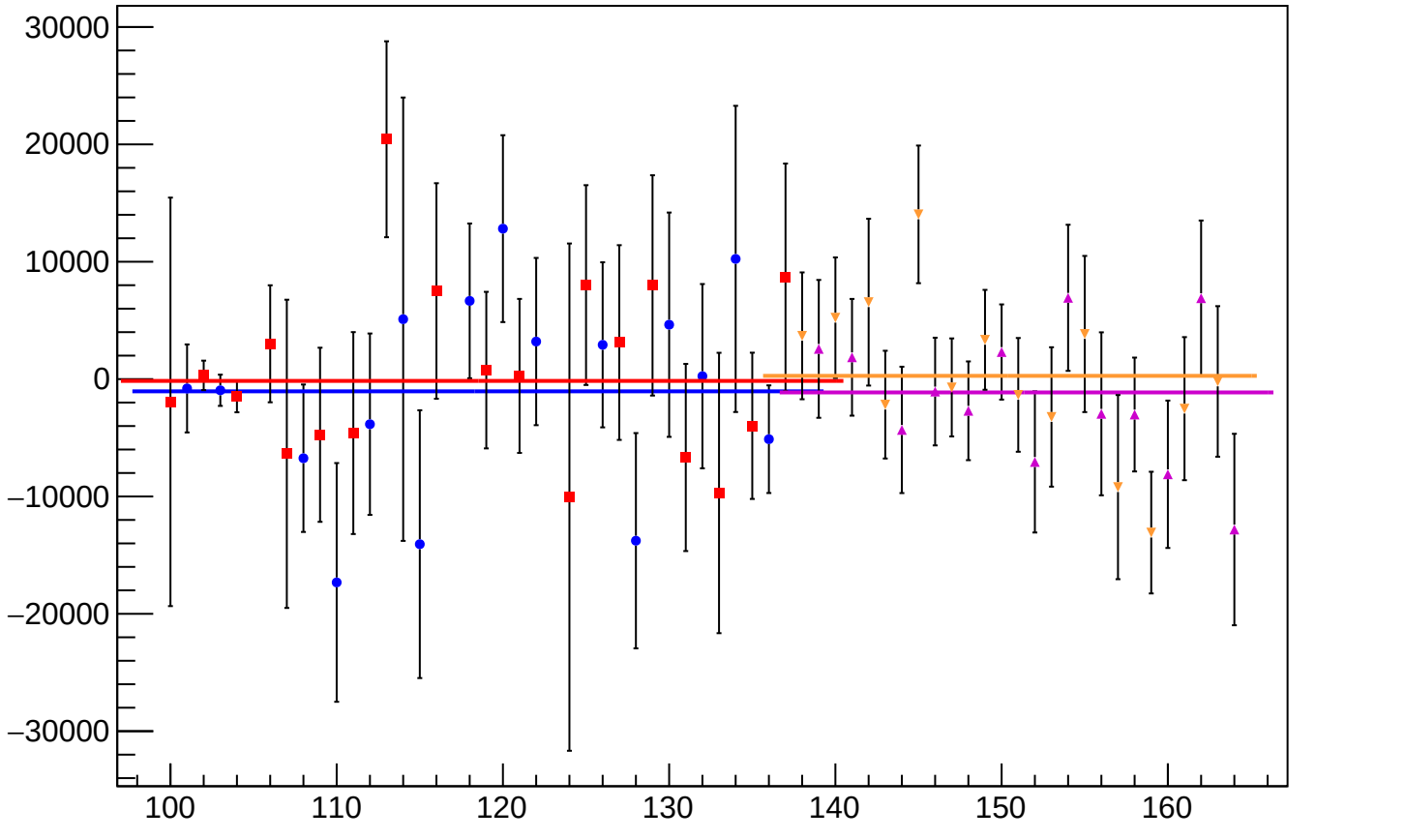
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.798+/-0.375 χ^2/NDF:20225.6/12

+ sign 1792.297+/-0.297 χ^2/NDF: 408948.7/29

All: 1803.904+/-0.212 χ^2/NDF: 842162.2/61

- sign 1815.952+/-0.302 χ^2/NDF: 430093.9/31



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 277.045+/-1444.524 χ^2/NDF:17.5/13

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

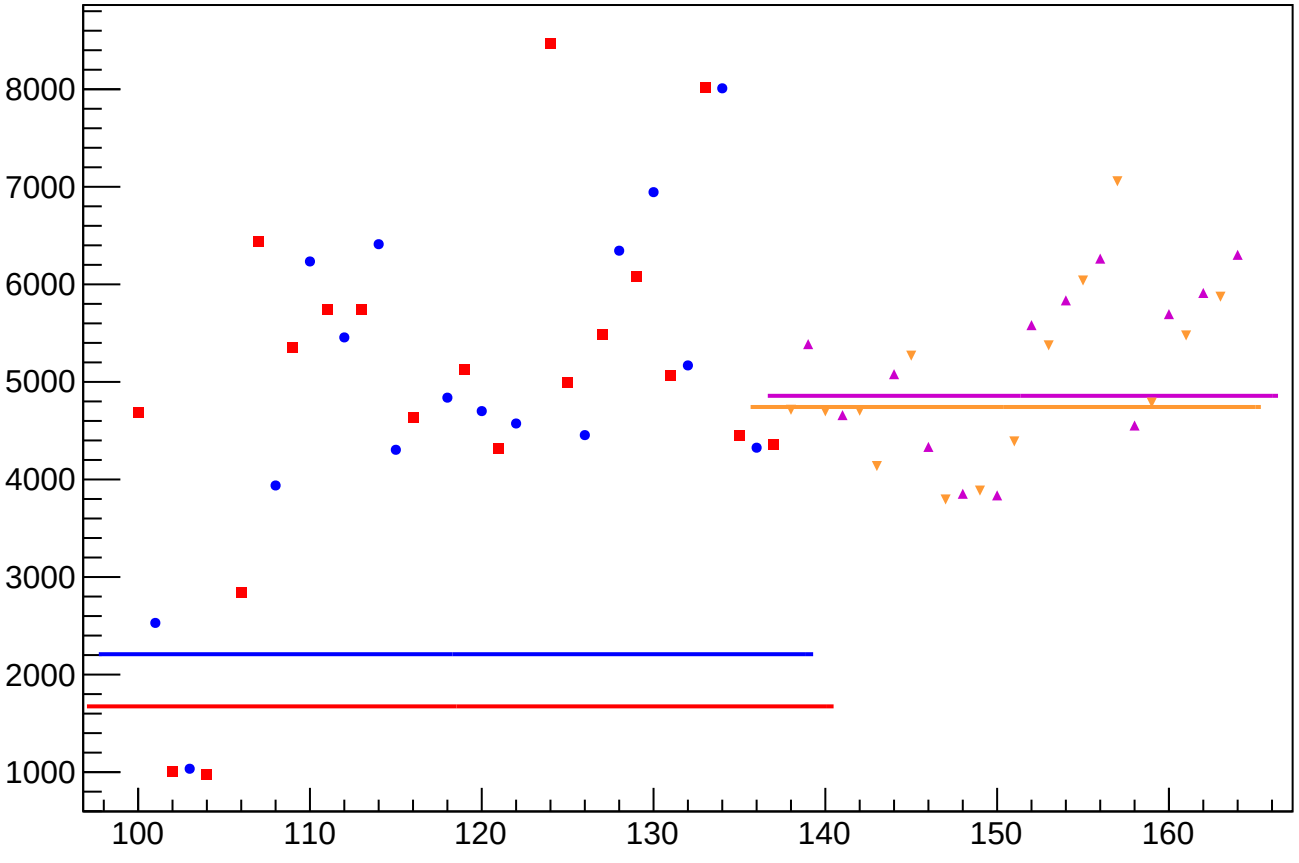
Left In: -1135.317+/-1492.878 χ^2/NDF:9.6/12

+ sign -573.261+/-861.058 χ^2/NDF: 31.9/29

All: -465.272+/-556.461 χ^2/NDF: 55.6/61

- 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: 4743.048+/-1.021 χ^2/NDF:609674.5/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

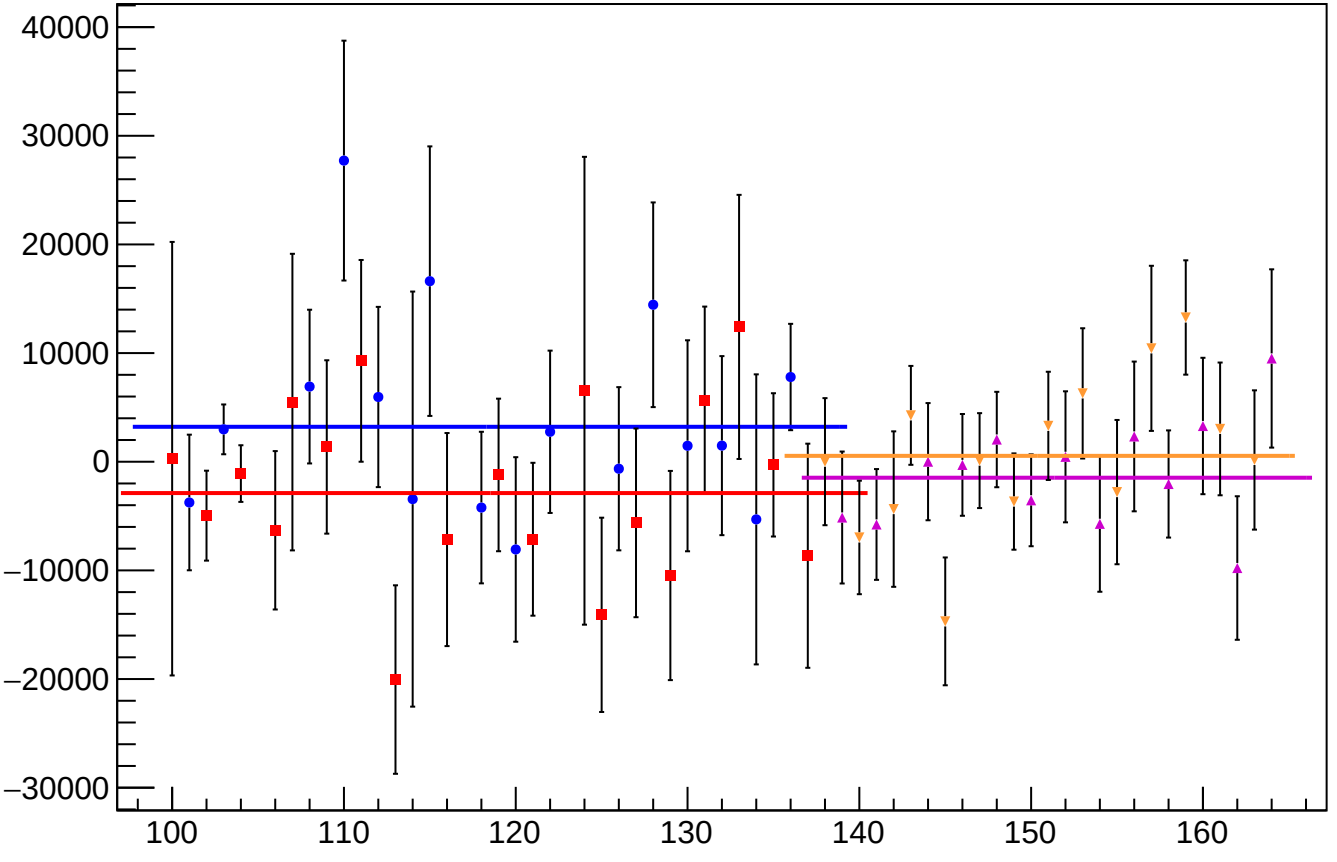
Left In: 4857.517+/-1.056 χ^2/NDF:606977.6/12

+ sign 3109.331+/-0.609 χ^2/NDF: 10076818.9/29

All: 2715.838+/-0.393 χ^2/NDF: 25178536.3/6

- 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: 541.641+/-1472.270 χ^2/NDF:20.0/13

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

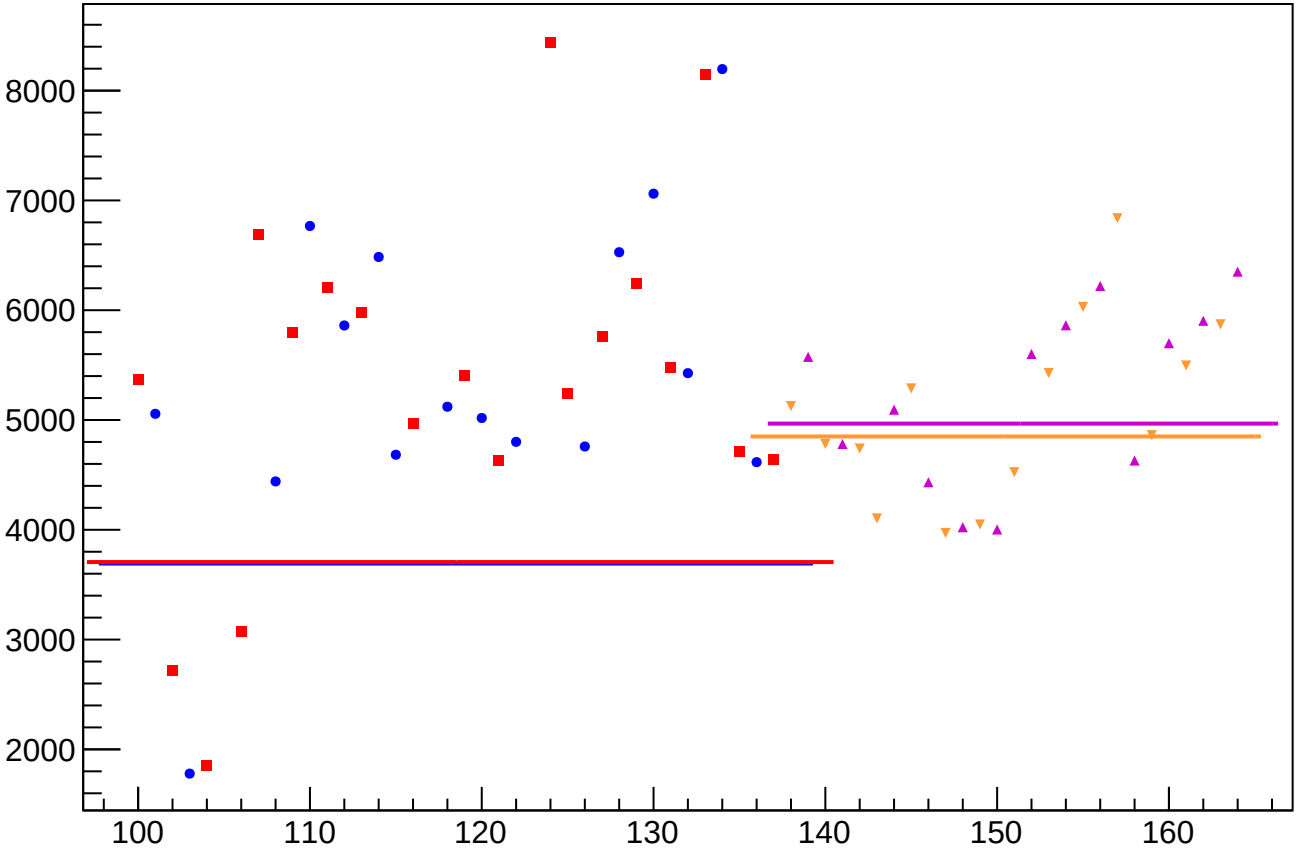
Left In: -1470.958+/-1521.866 χ^2/NDF:6.9/12

+ sign 1819.213+/-1063.947 χ^2/NDF: 35.4/29

All: -129.980+/-760.227 χ^2/NDF: 63.0/61

- 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: 4849.989+/-1.041 χ^2/NDF:516981.4/13

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

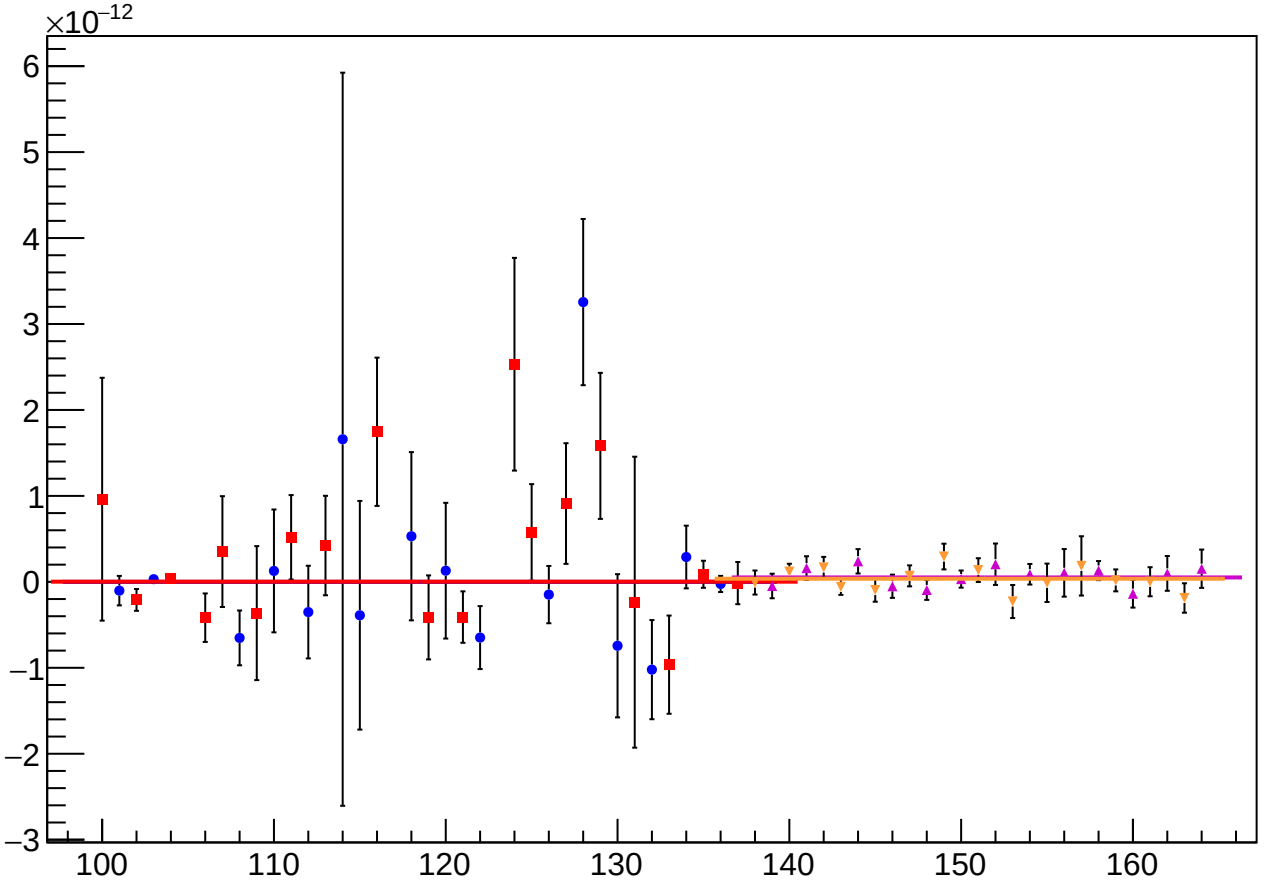
Left In: 4967.140+/-1.076 χ^2/NDF:509349.8/12

+ sign 4297.131+/-0.752 χ^2/NDF: 3992932.0/29

All: 4319.545+/-0.536 χ^2/NDF: 7868608.7/61

- 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:11.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

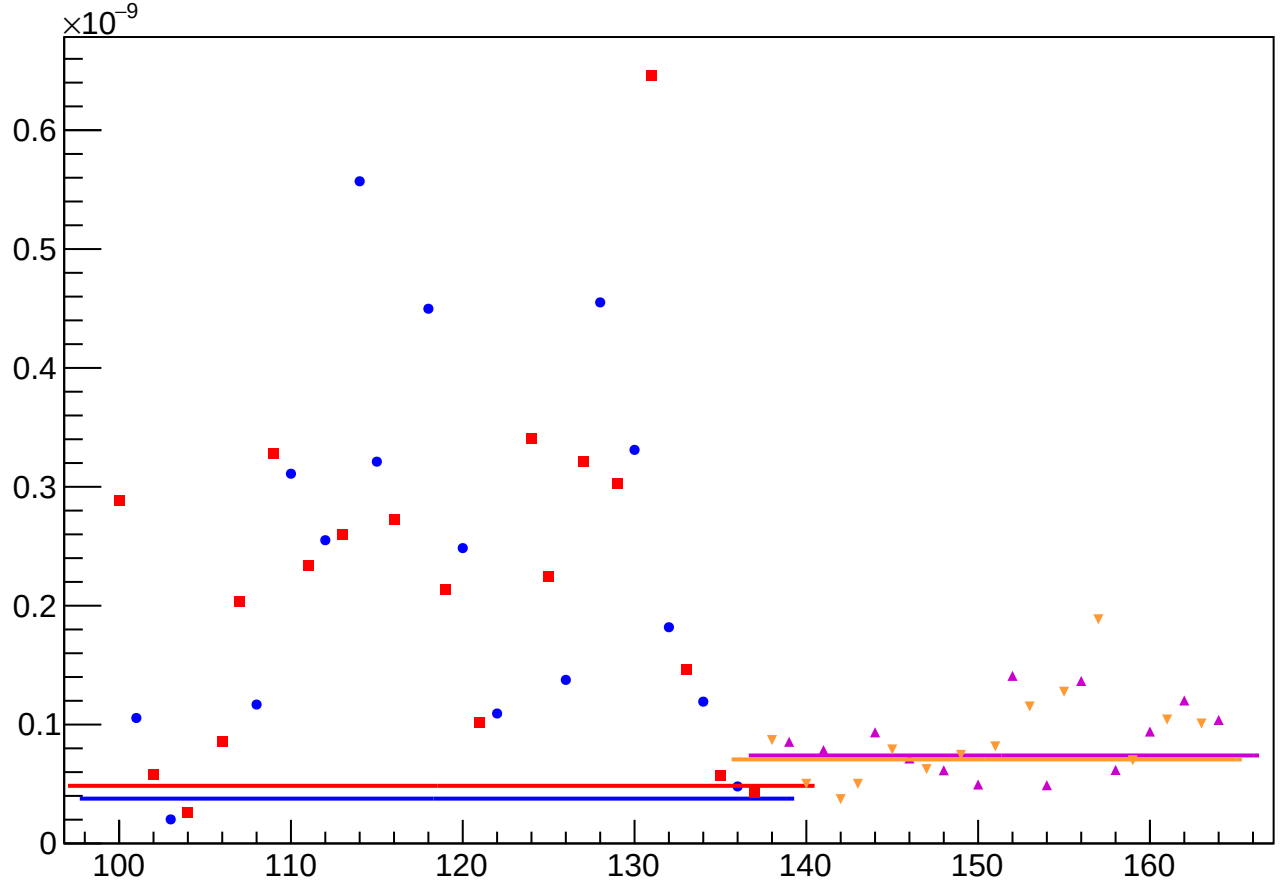
Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/29

All: 0.000+/-0.000 χ^2/NDF: 74.1/61

- sign 0.000+/-0.000 χ^2/NDF: 36.7/31

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1011521.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

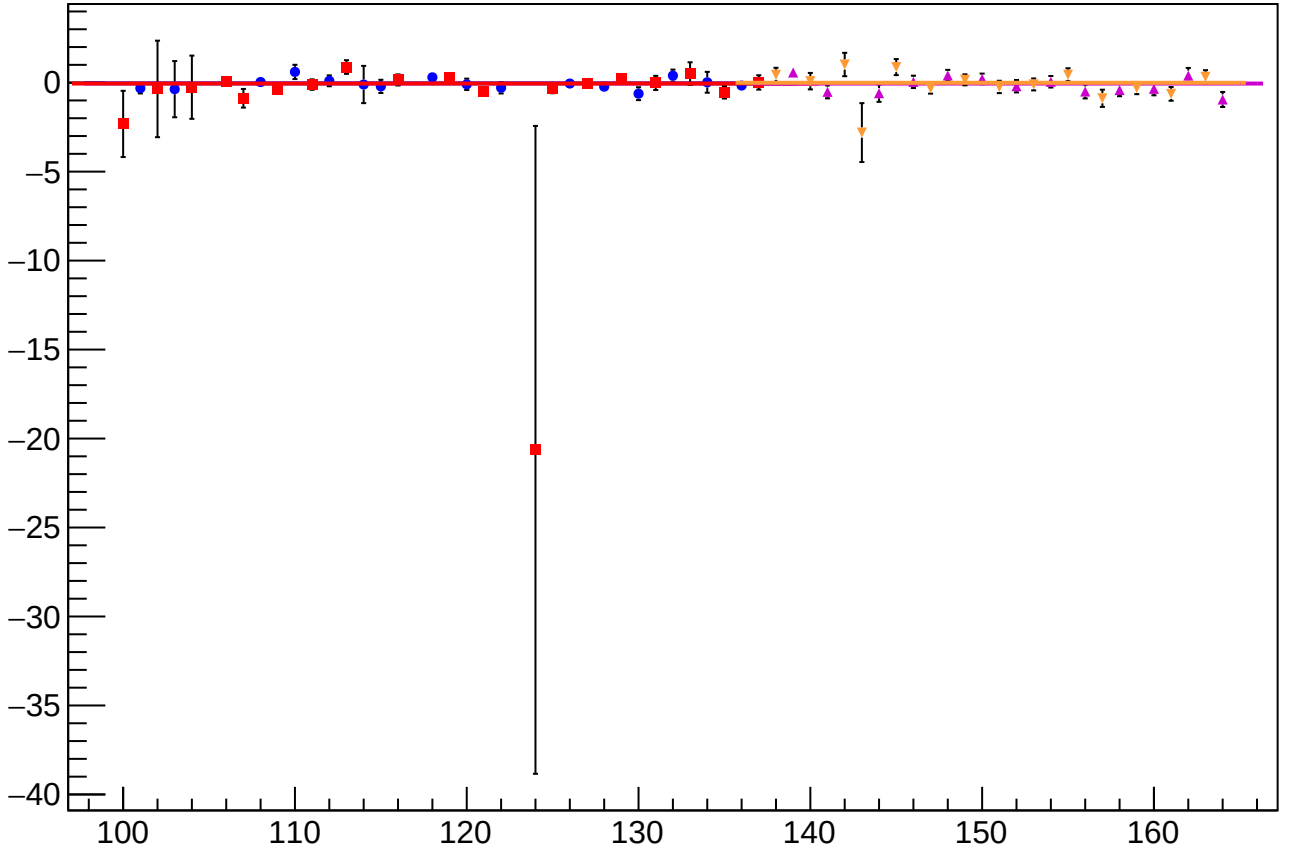
Left In: 0.000+/-0.000 χ^2/NDF:736289.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 4973516.9/29

All: 0.000+/-0.000 χ^2/NDF: 9071371.5/61

- sign 0.000+/-0.000 χ^2/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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

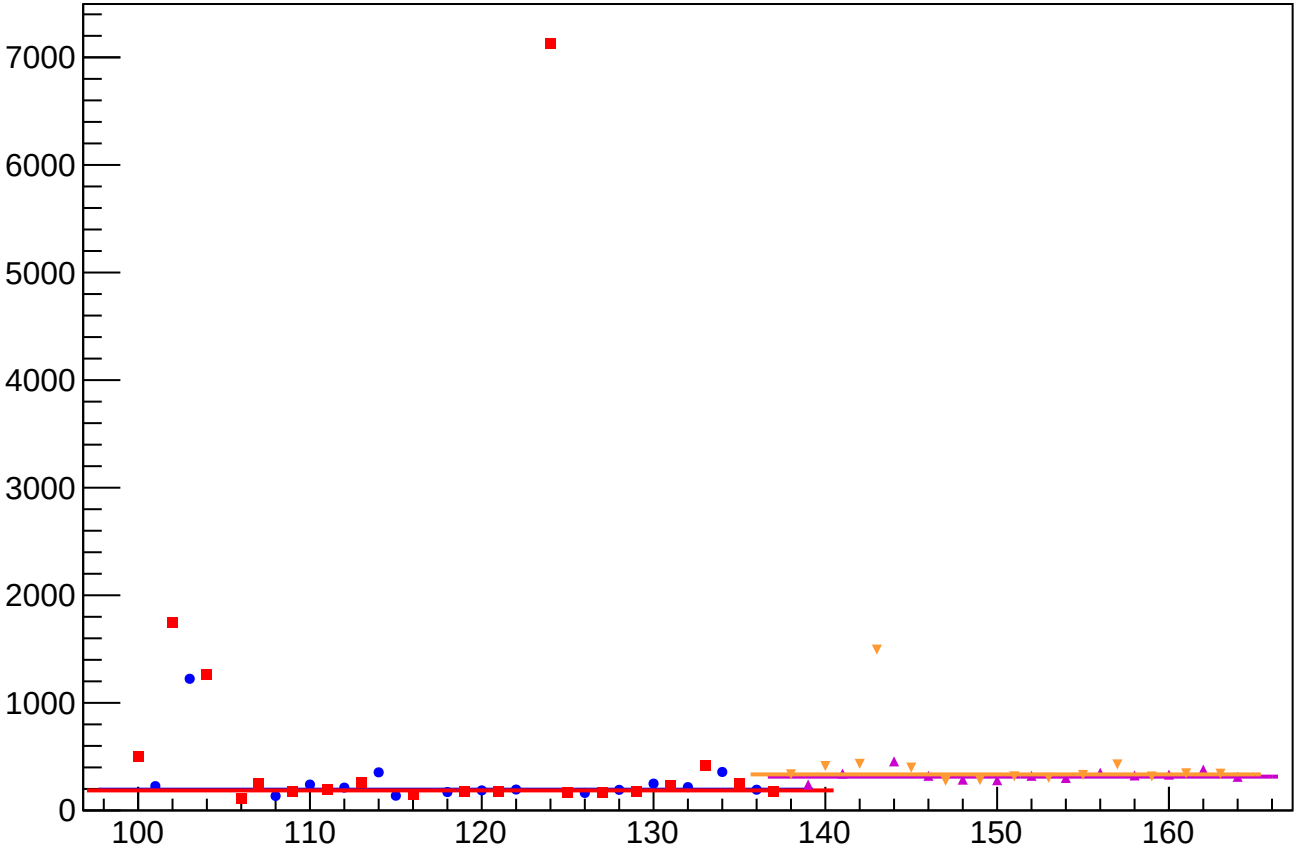
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.040+/-0.044 χ^2/NDF: 75.9/61

- 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: 335.077+/-0.074 χ^2/NDF:1362696.4/13

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

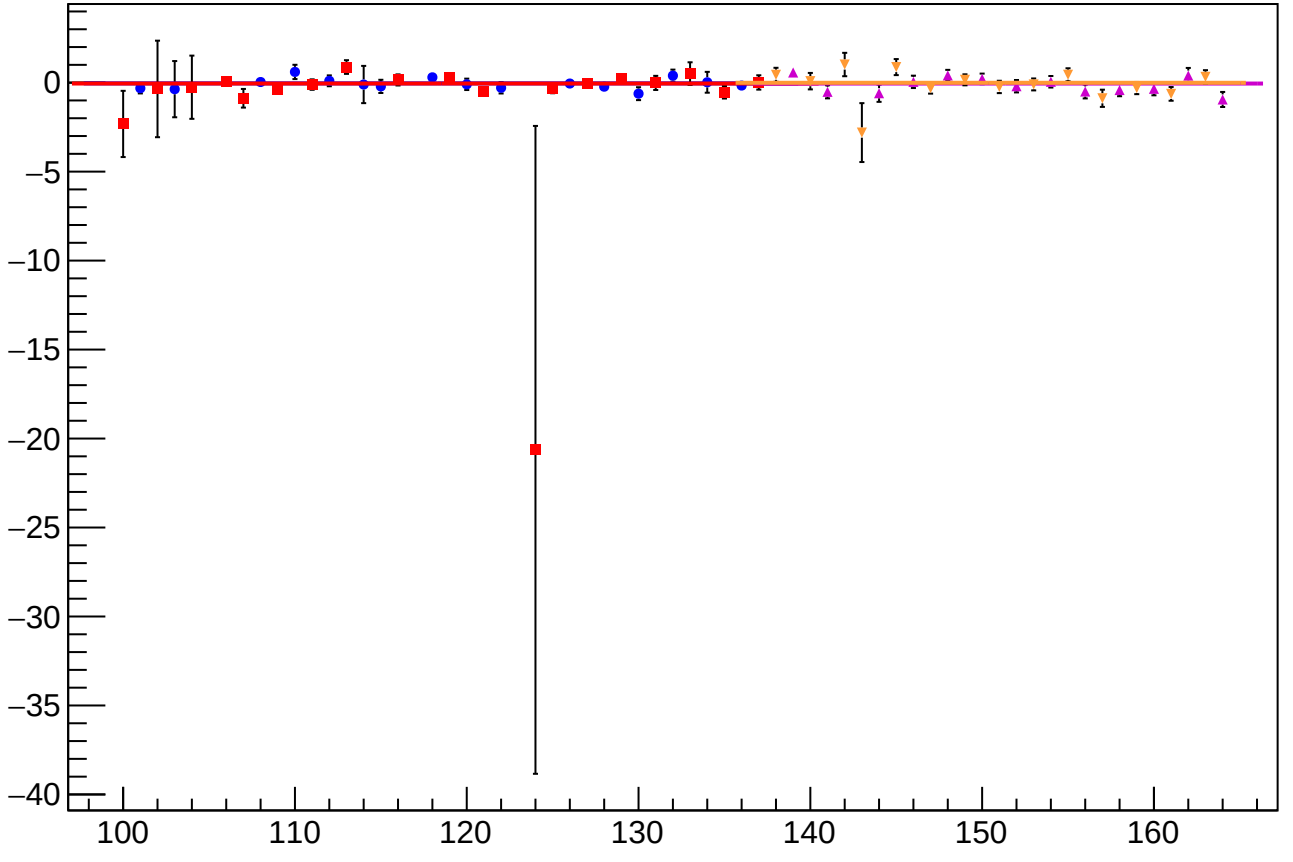
Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

+ sign 243.675+/-0.044 χ^2/NDF: 5137024.5/29

All: 240.315+/-0.031 χ^2/NDF: 10161868.5/61

- 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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

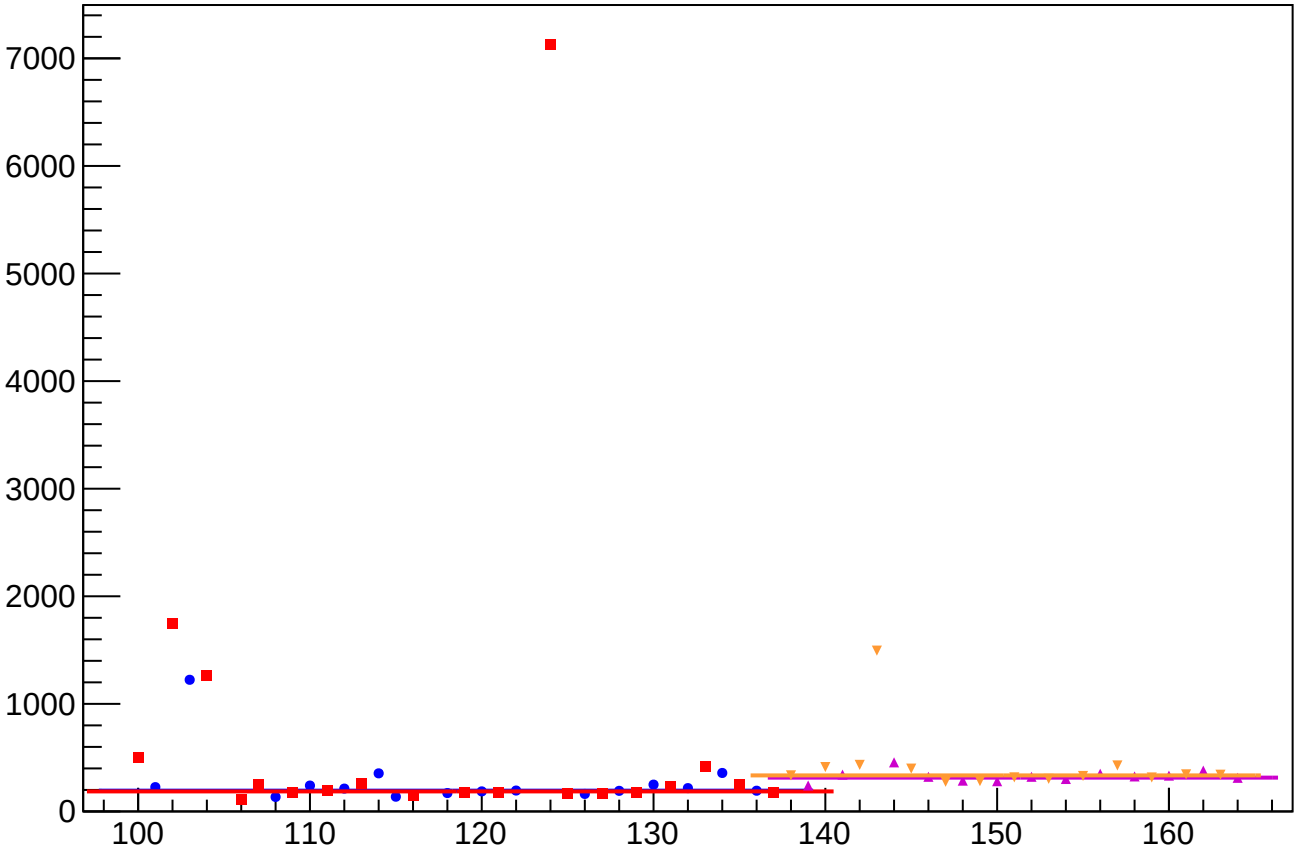
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.040+/-0.044 χ^2/NDF: 75.9/61

- 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: 335.077+/-0.074 χ^2/NDF:1362696.4/13

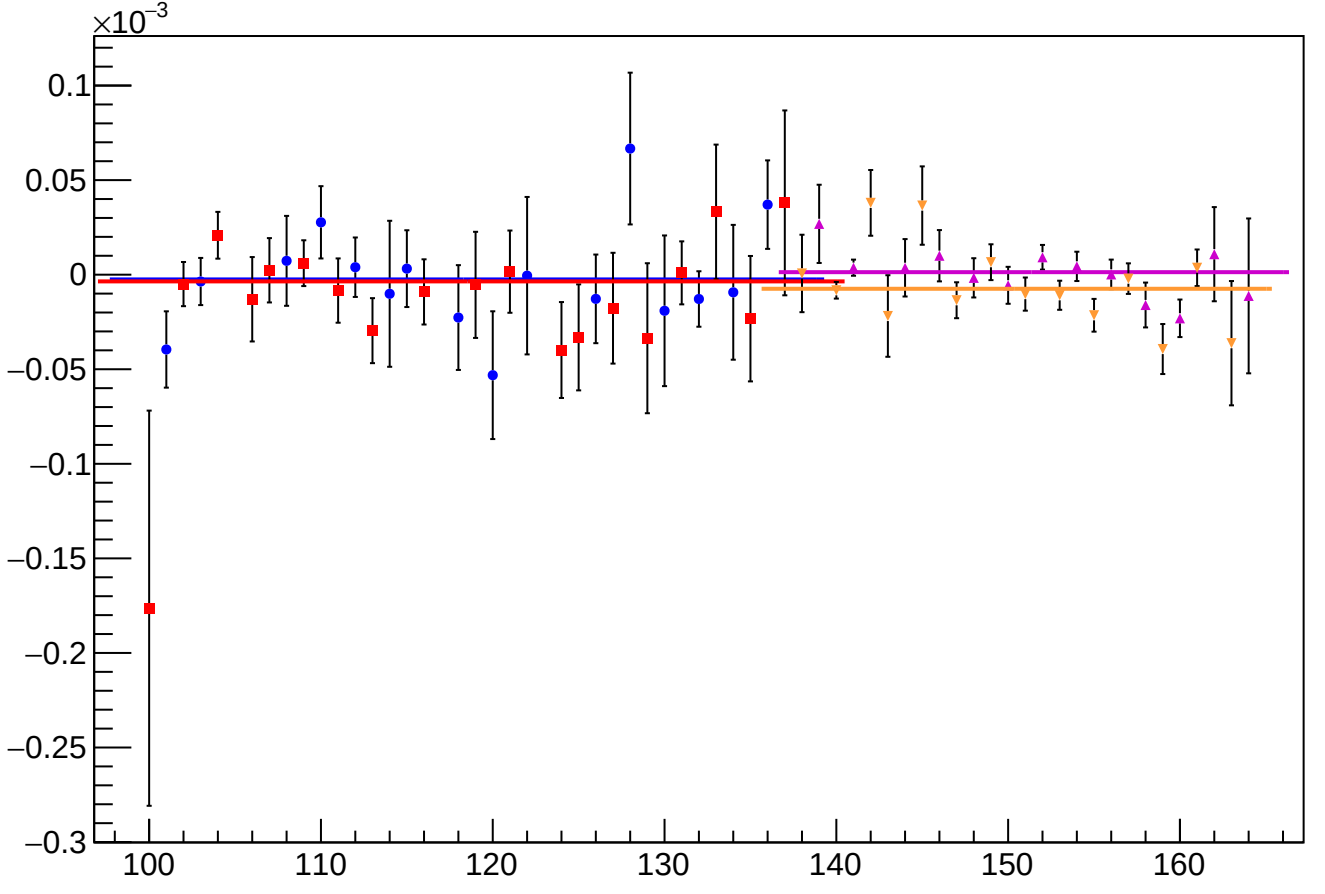
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

+ sign 243.675+/-0.044 χ^2/NDF: 5137024.5/29

All: 240.315+/-0.031 χ^2/NDF: 10161868.5/61

- 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:25.8/13

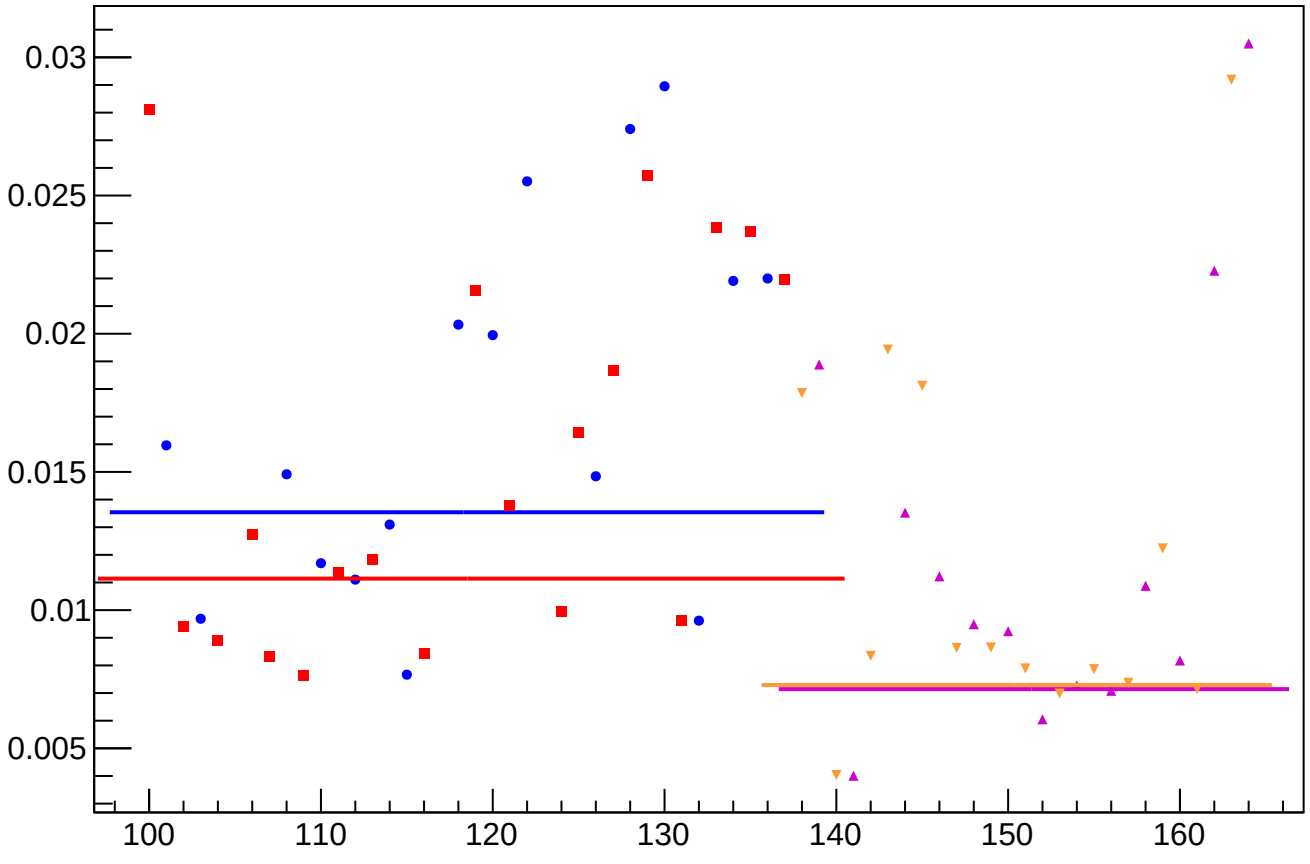
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/29

All: -0.000+/-0.000 χ^2/NDF: 77.1/61

- sign 0.000+/-0.000 χ^2/NDF: 30.1/31



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4086446.7/13

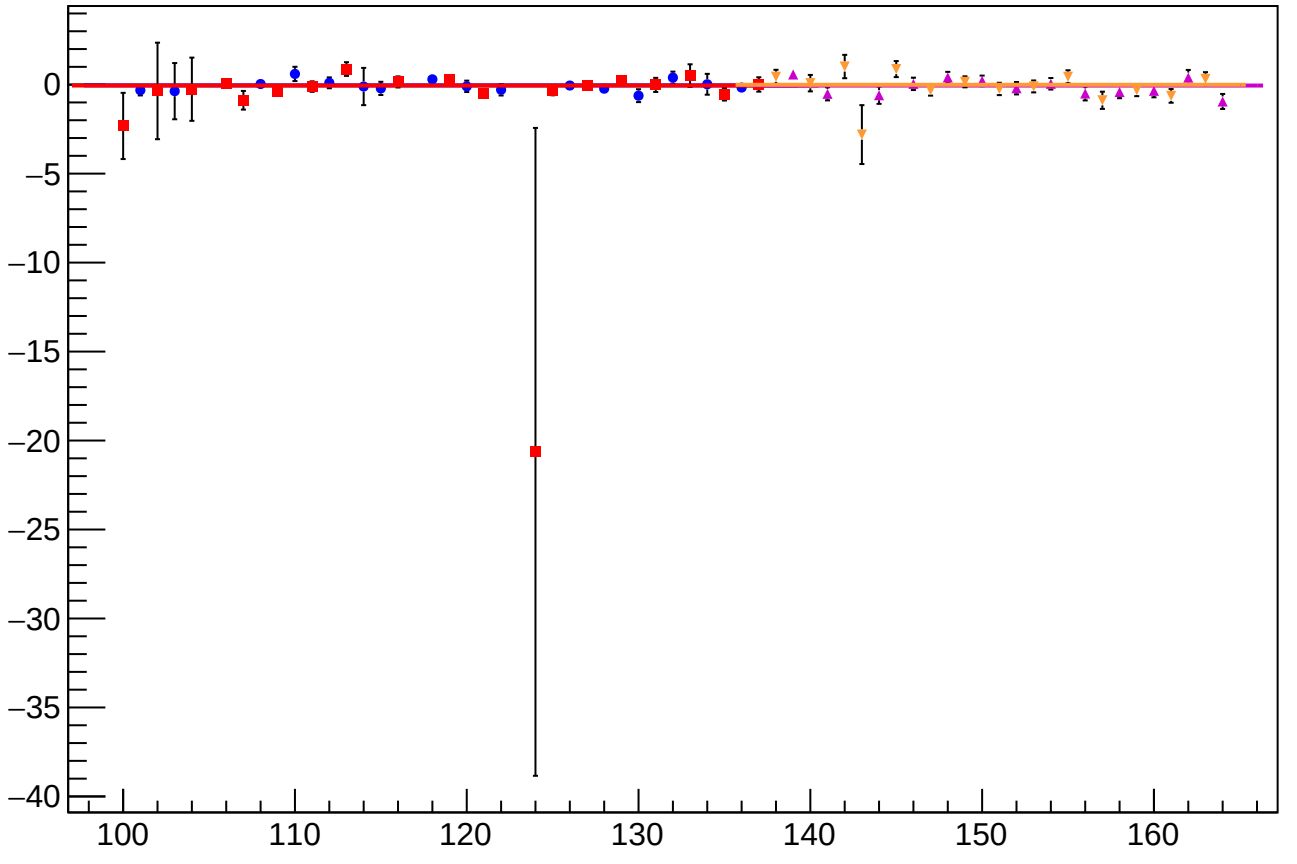
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4121099.7/12

+ sign 0.008+/-0.000 χ^2/NDF: 8134694.2/29

All: 0.008+/-0.000 χ^2/NDF: 15387747.5/61

- 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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

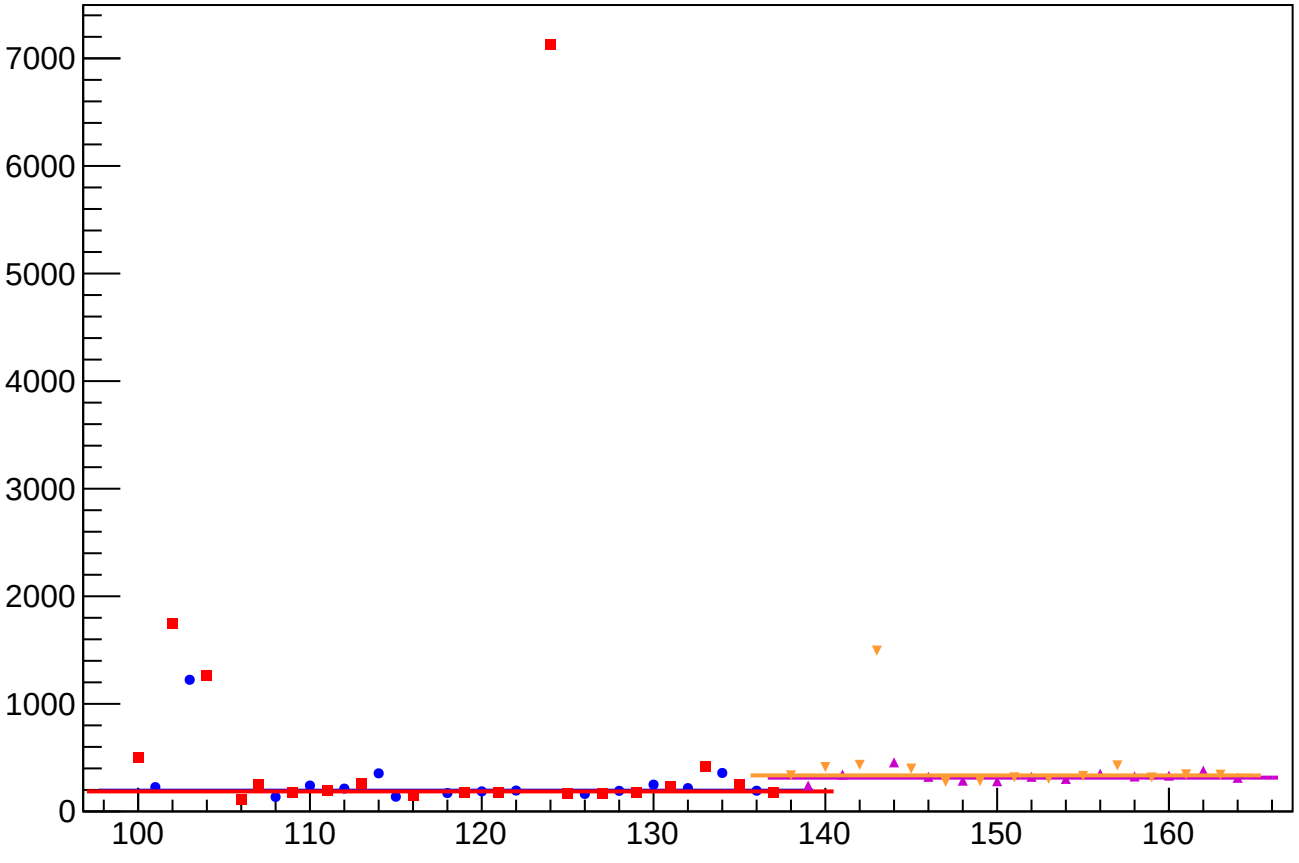
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.040+/-0.044 χ^2/NDF: 75.9/61

- 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: 335.083+/-0.074 χ^2/NDF:1362668.8/13

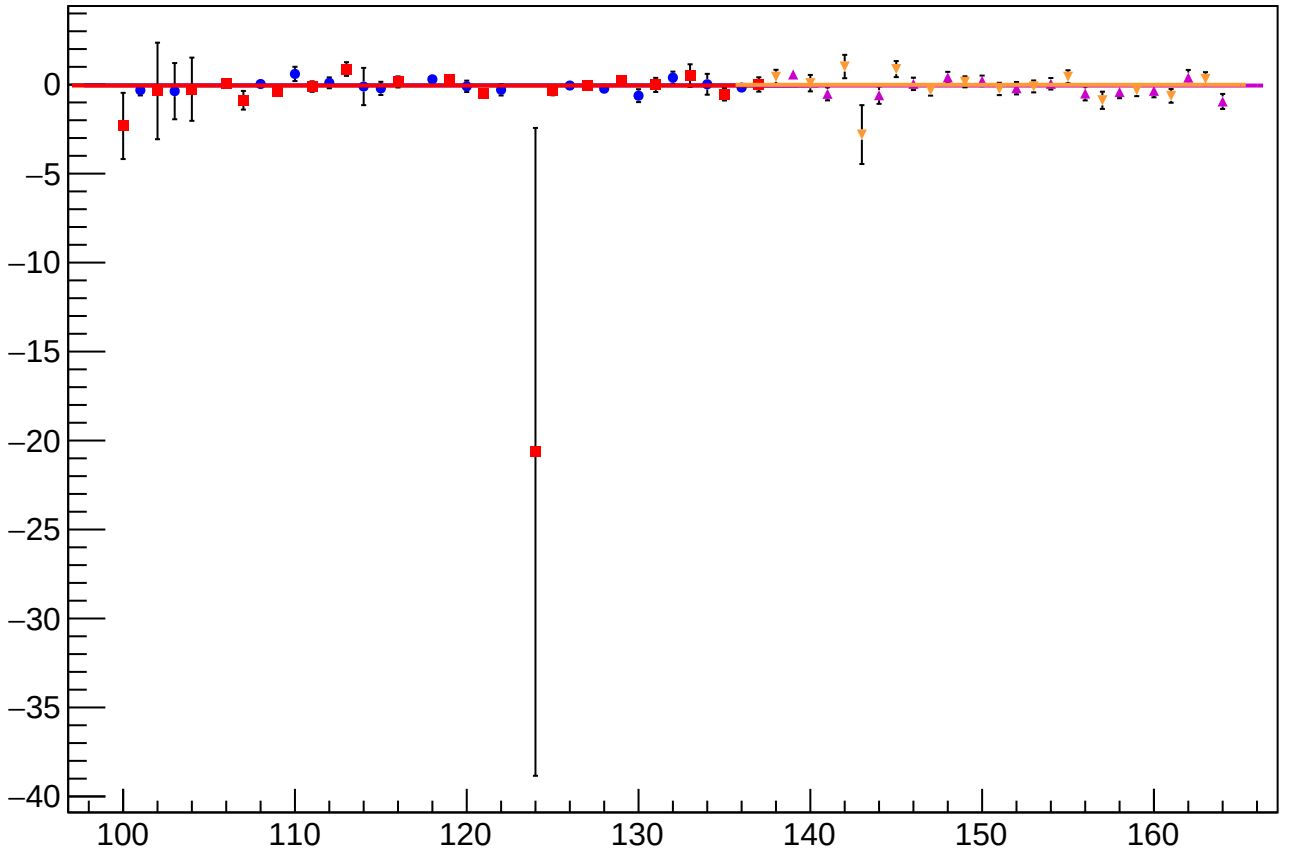
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

+ sign 243.674+/-0.044 χ^2/NDF: 5137182.6/29

All: 240.314+/-0.031 χ^2/NDF: 10162256.0/61

- 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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

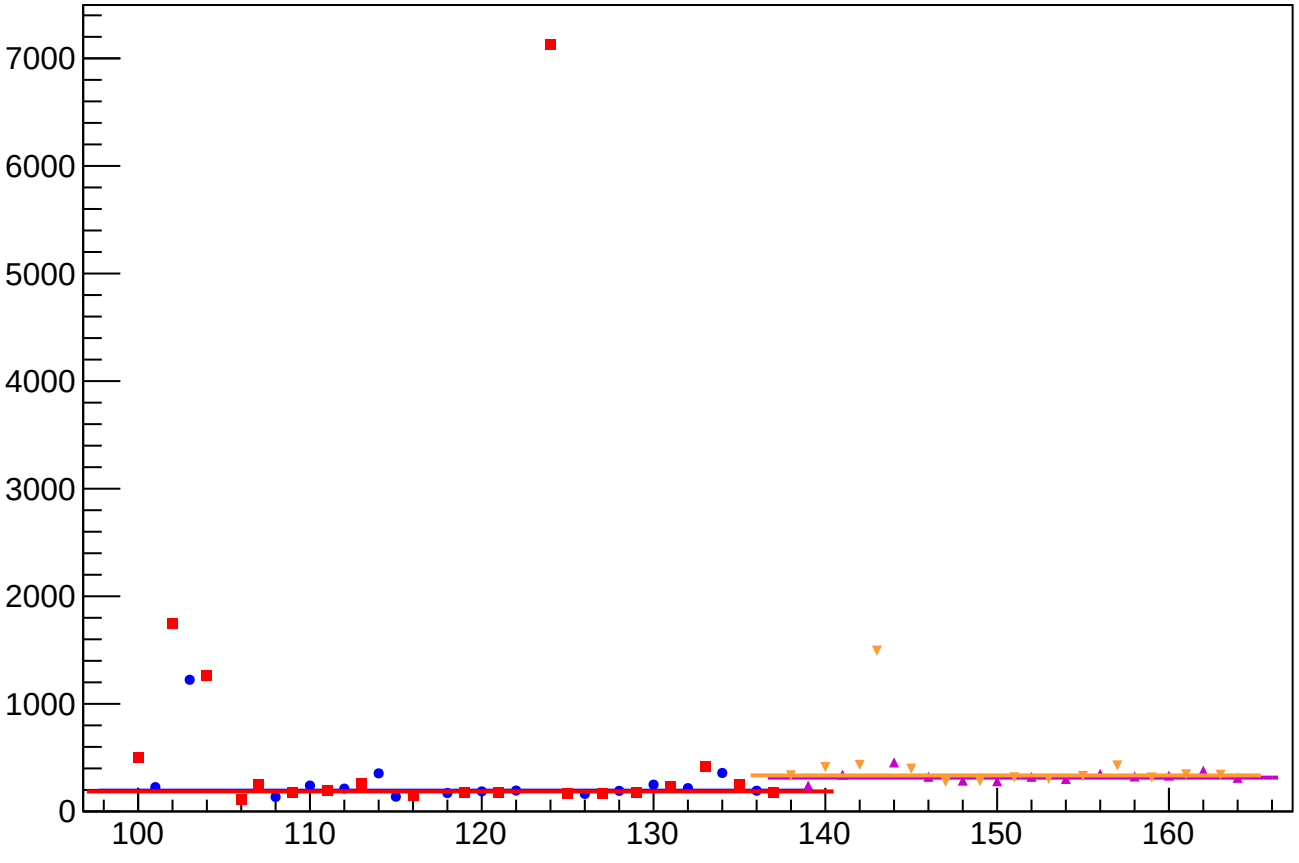
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.040+/-0.044 χ^2/NDF: 75.9/61

- sign -0.050+/-0.061 χ^2/NDF: 42.9/31

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.083+/-0.074 χ^2/NDF:1362668.8/13

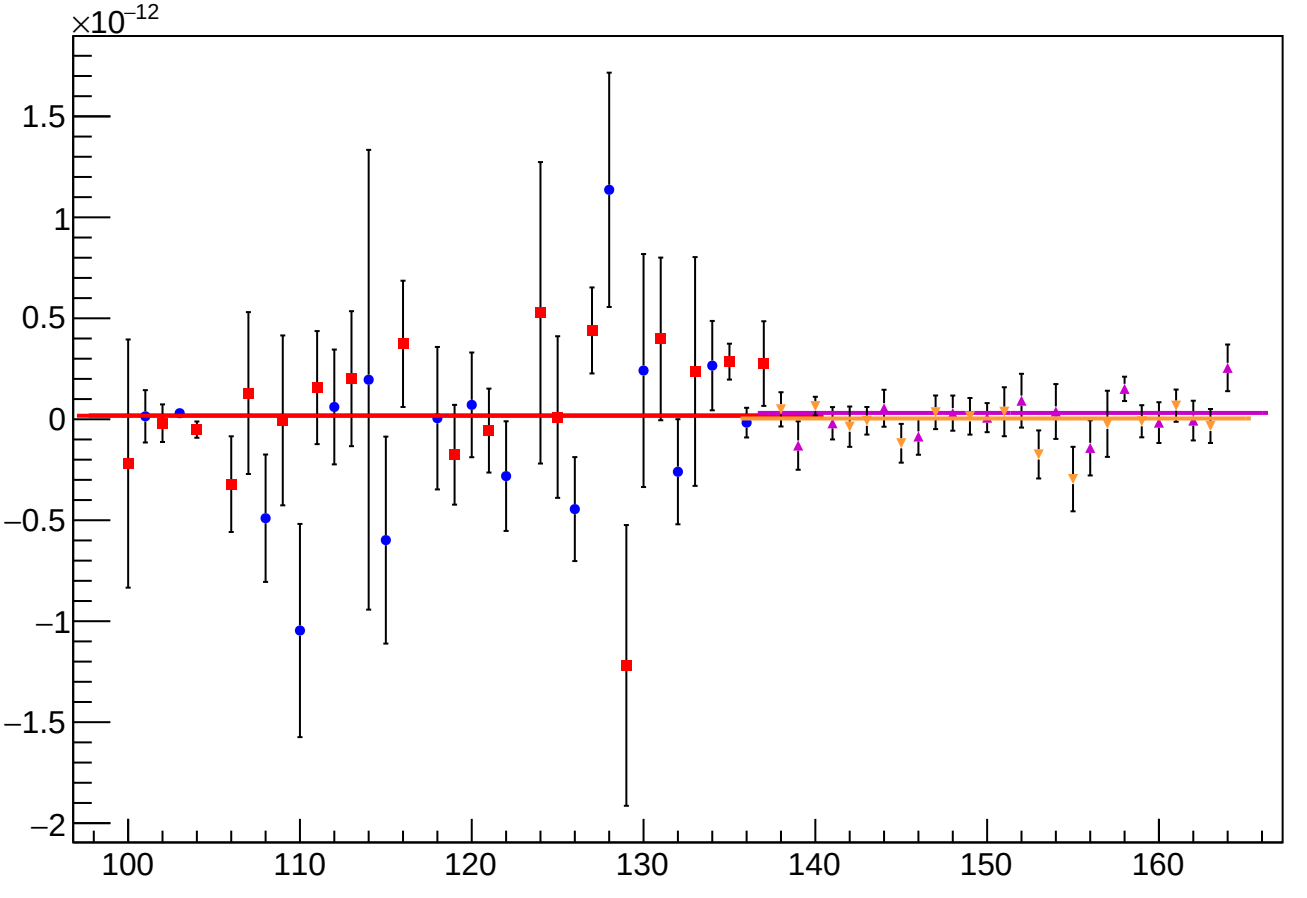
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

+ sign 243.674+/-0.044 χ^2/NDF: 5137182.6/29

All: 240.314+/-0.031 χ^2/NDF: 10162256.0/61

- 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:10.7/13

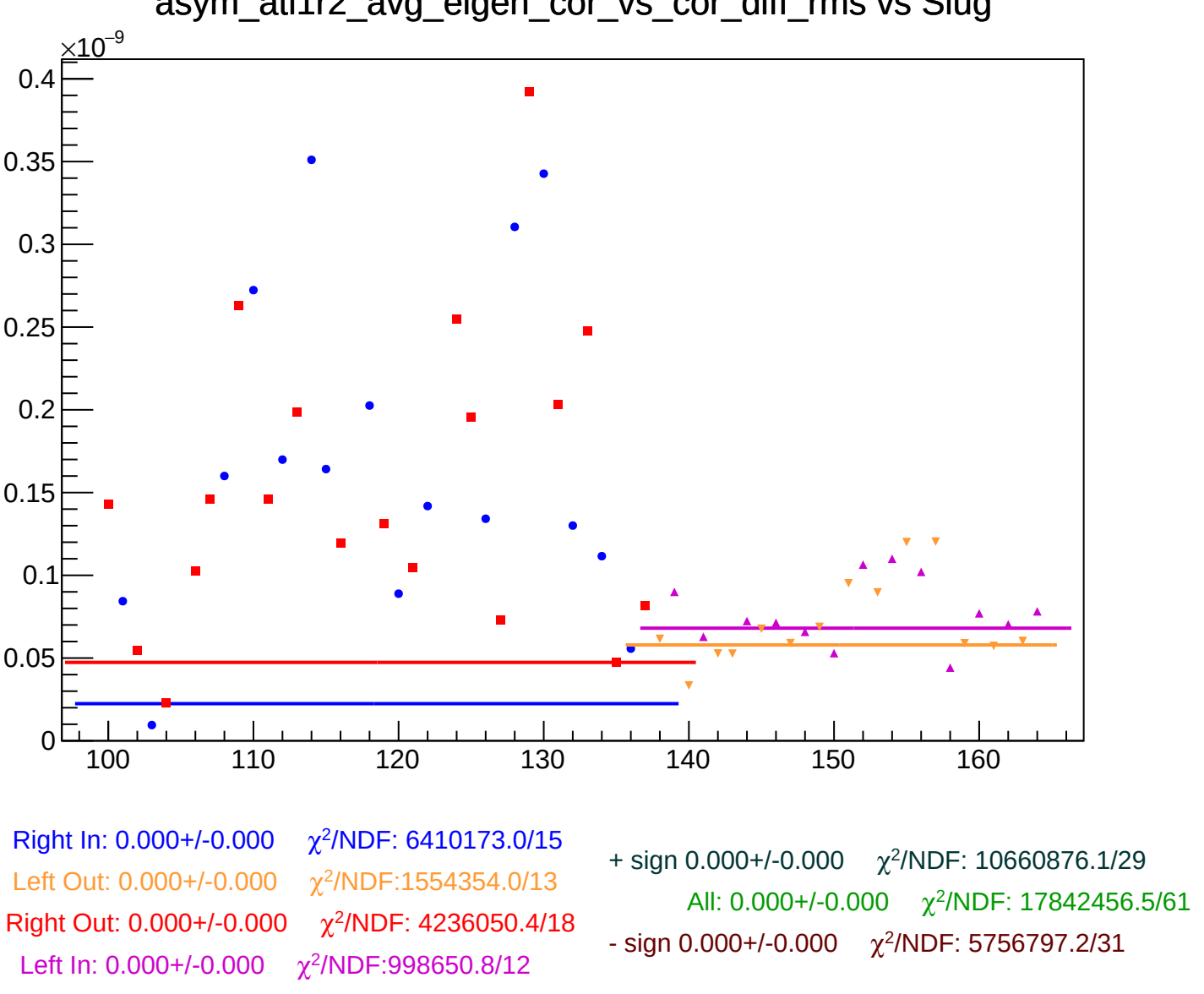
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

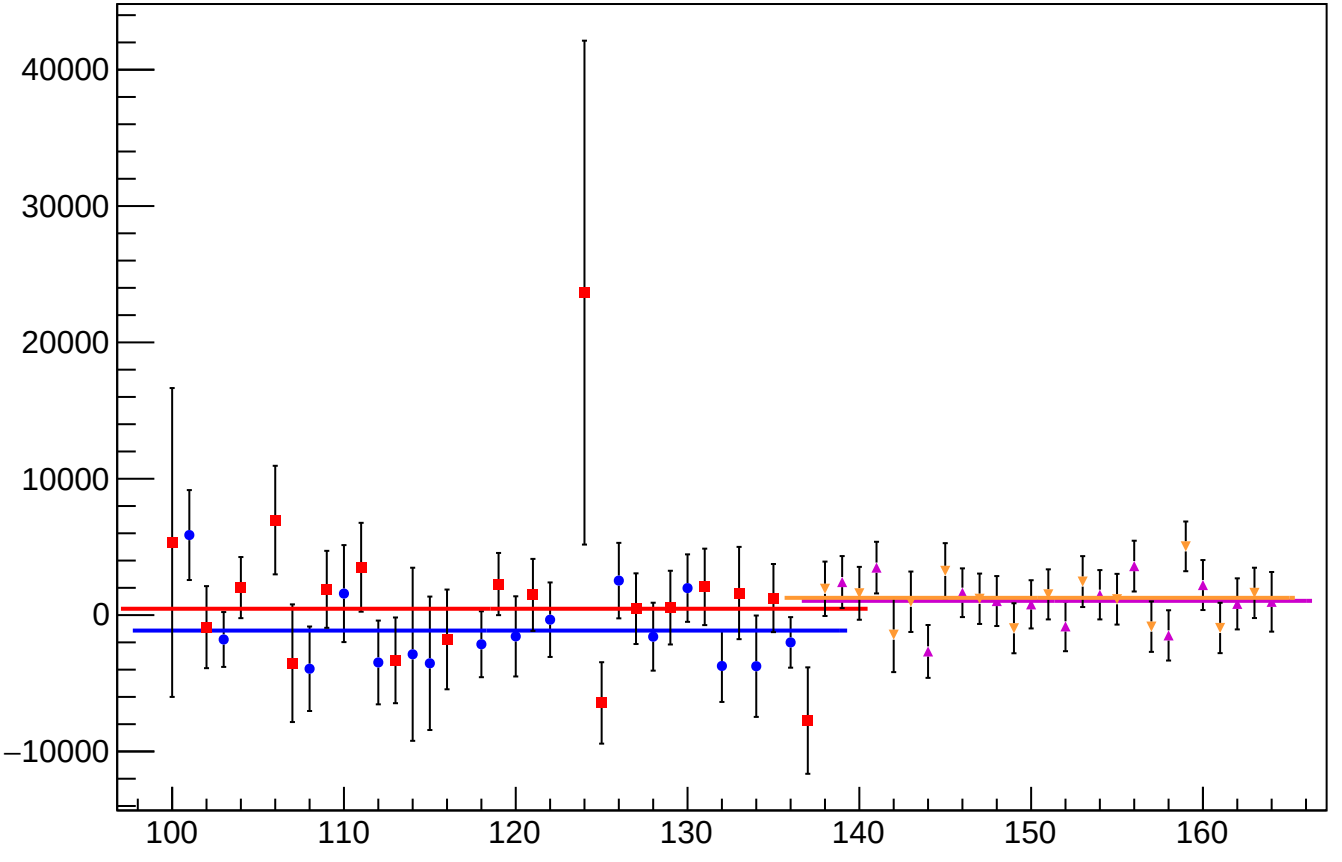
+ sign 0.000+/-0.000 χ^2/NDF: 30.4/29

All: 0.000+/-0.000 χ^2/NDF: 71.8/61

- 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:1554354.0/13
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: 10660876.1/29
All: 0.000+/-0.000 χ²/NDF: 17842456.5/61
- 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: 1266.038+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

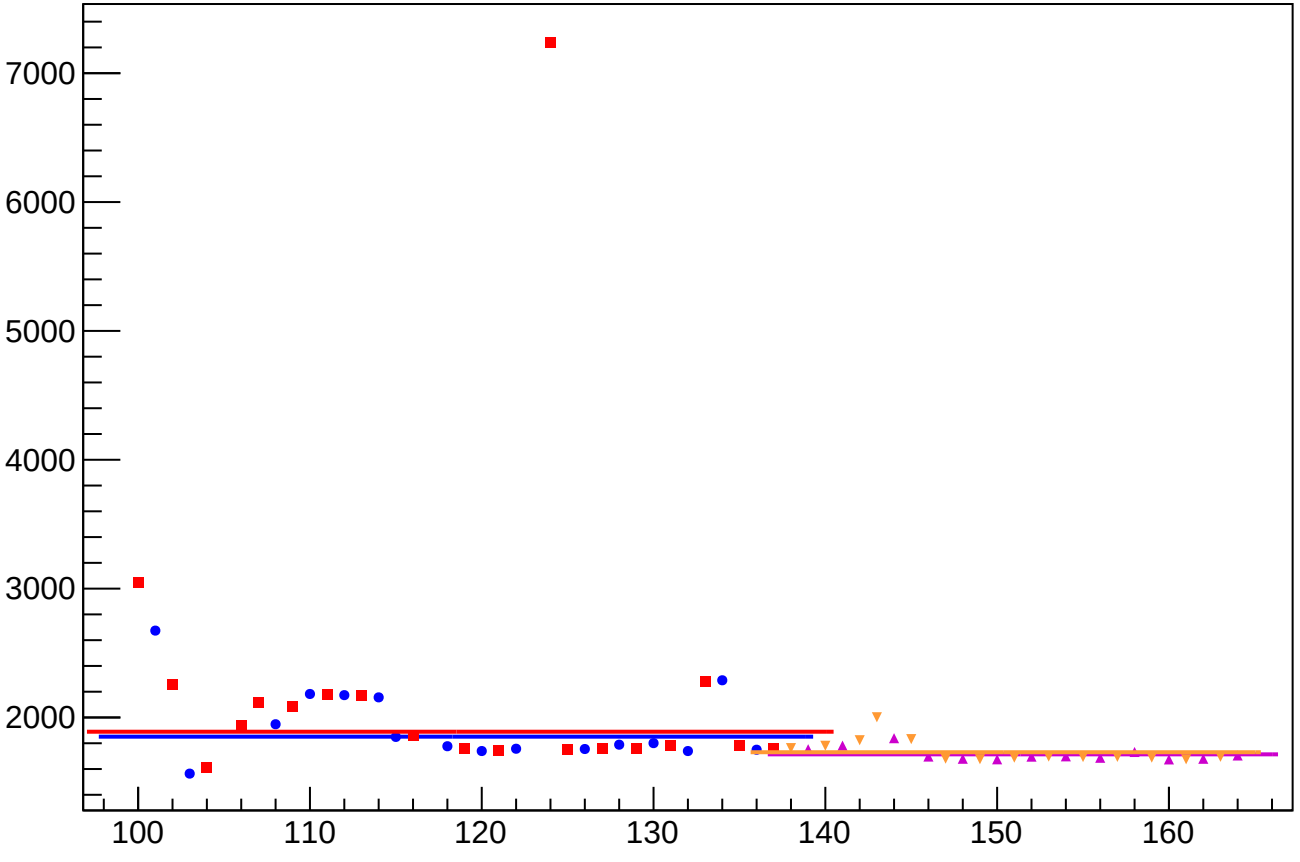
Left In: 1045.937+/-517.628 χ^2/NDF:11.3/12

+ sign 408.396+/-414.677 χ^2/NDF: 31.0/29

All: 624.251+/-294.190 χ^2/NDF: 63.2/61

- 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: 1730.318+/-0.366 χ^2/NDF:49177.2/13

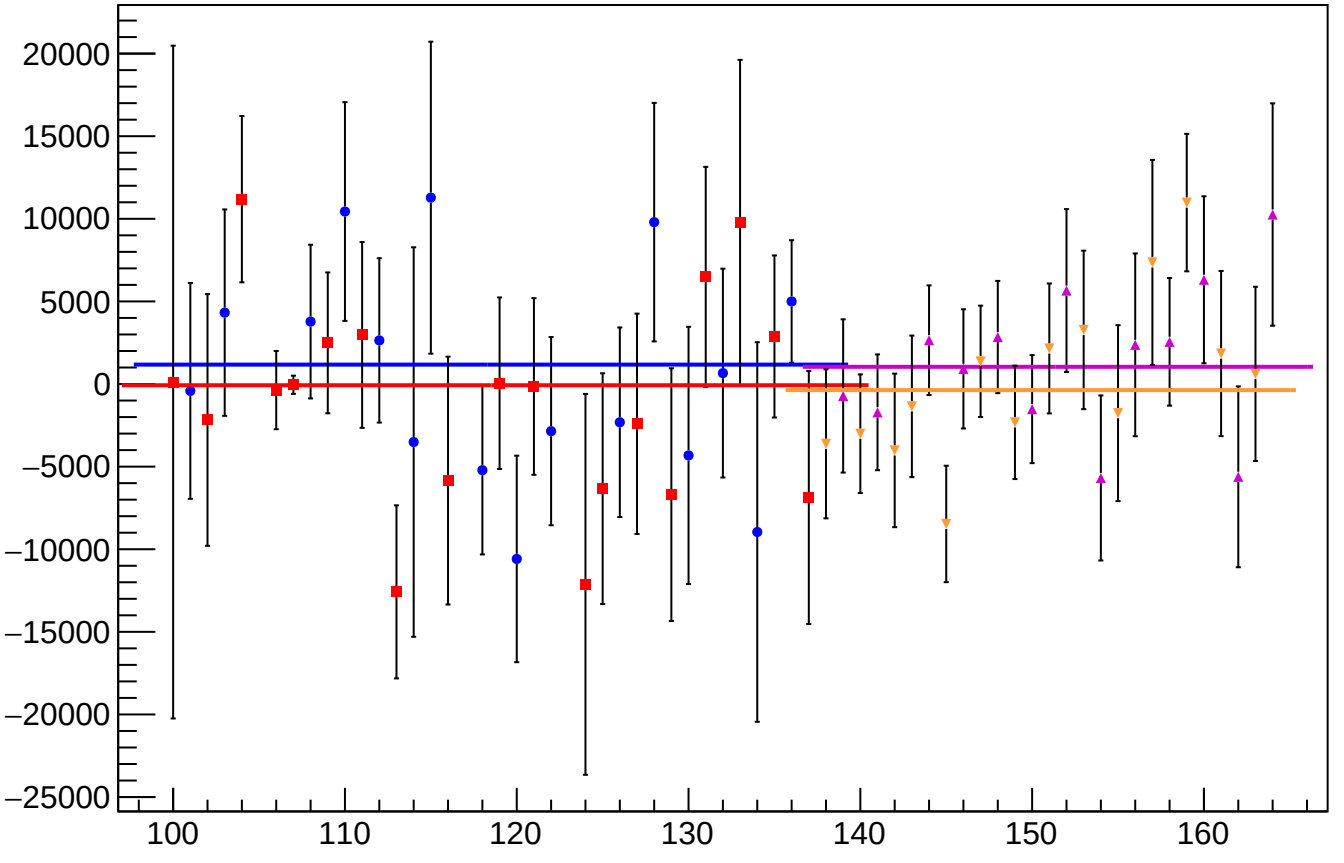
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1773.478+/-0.293 χ^2/NDF: 348139.4/29

All: 1774.483+/-0.208 χ^2/NDF: 804001.4/61

- sign 1775.500+/-0.295 χ^2/NDF: 455838.3/31



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -367.609+/-1129.252 χ^2/NDF:17.9/13

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

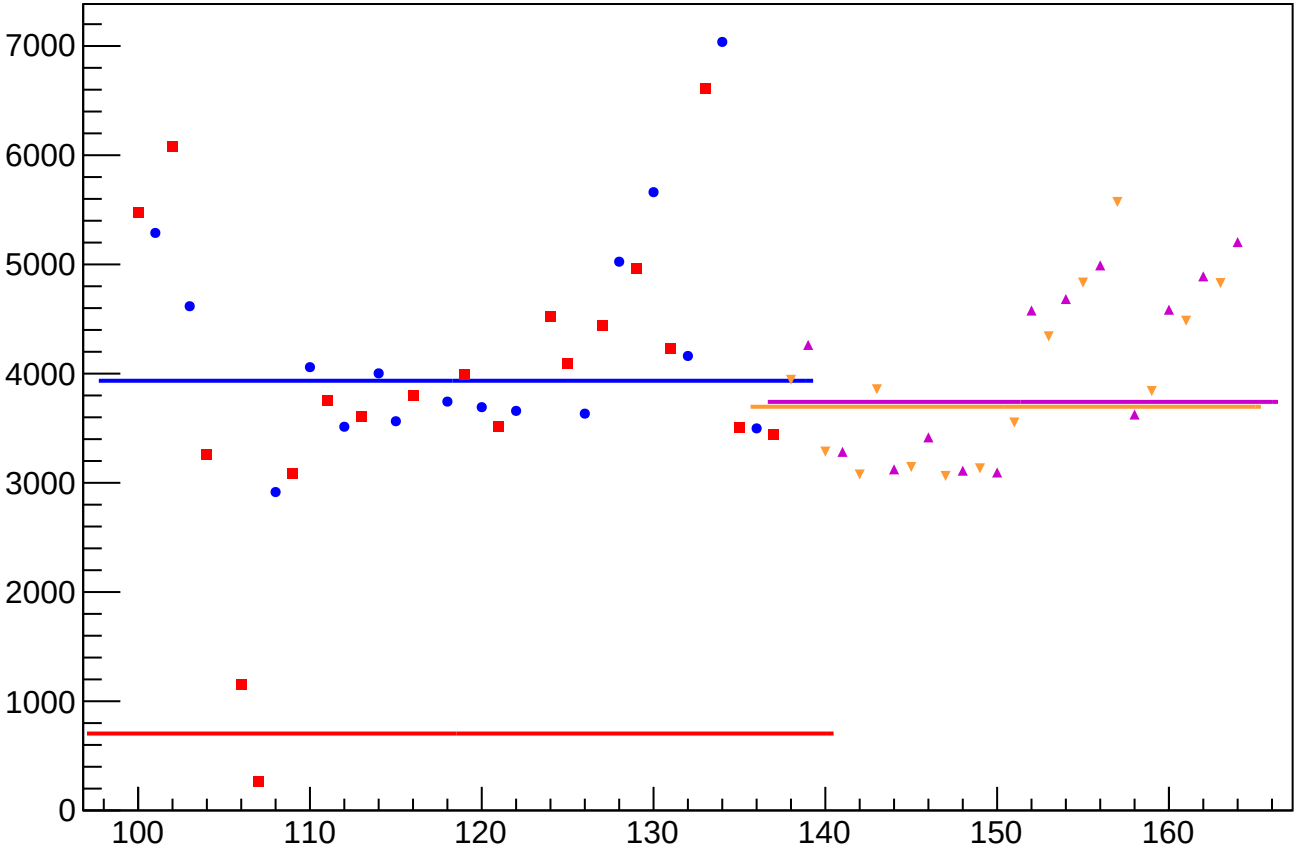
Left In: 1042.124+/-1153.759 χ^2/NDF:9.2/12

+ sign 189.561+/-902.635 χ^2/NDF: 32.3/29

All: 124.182+/-412.077 χ^2/NDF: 60.2/61

- 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: 3696.681+/-0.799 χ^2/NDF:701283.6/13

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

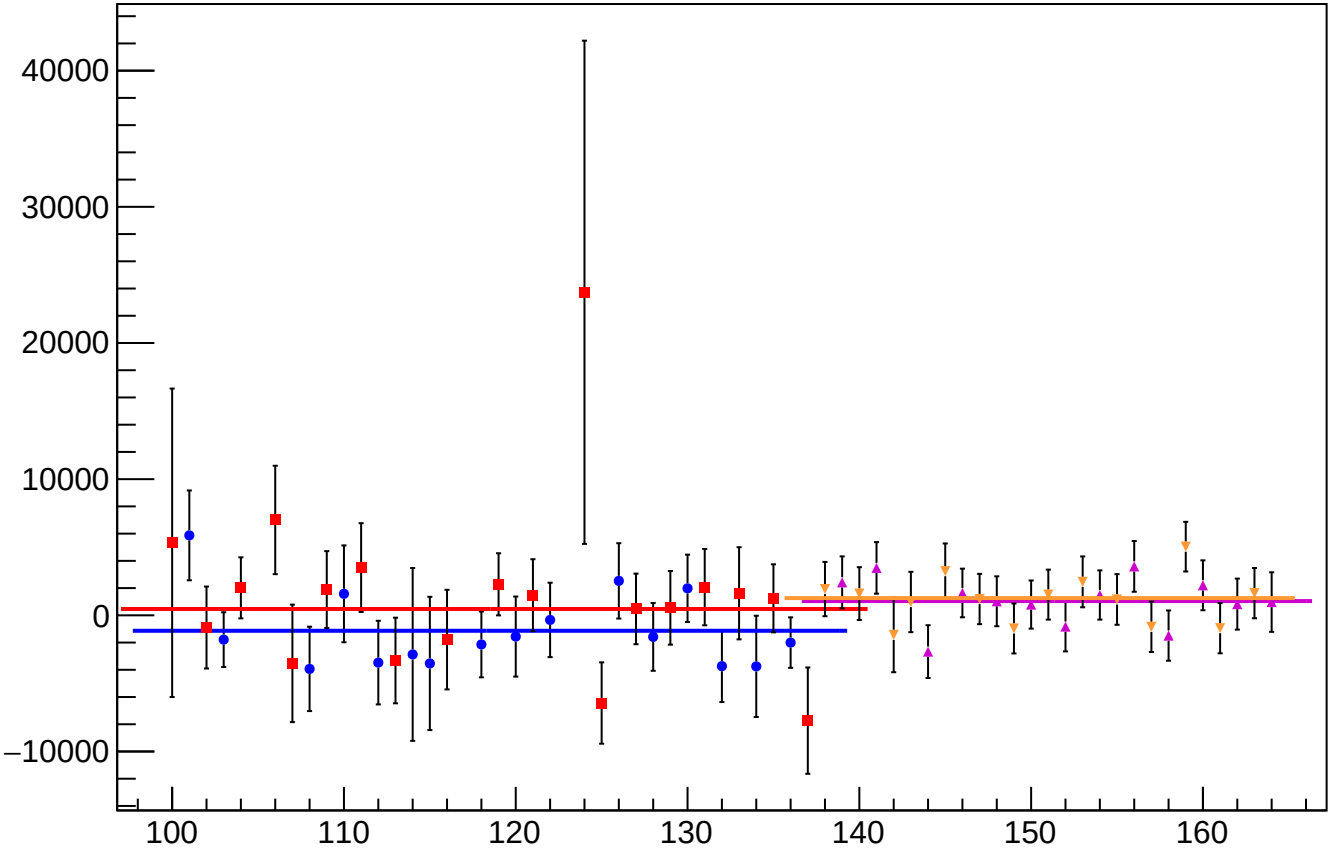
Left In: 3741.236+/-0.816 χ^2/NDF:762926.8/12

+ sign 3782.633+/-0.638 χ^2/NDF: 1293497.5/29

All: 1733.332+/-0.291 χ^2/NDF: 37321683.1/6

- 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: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

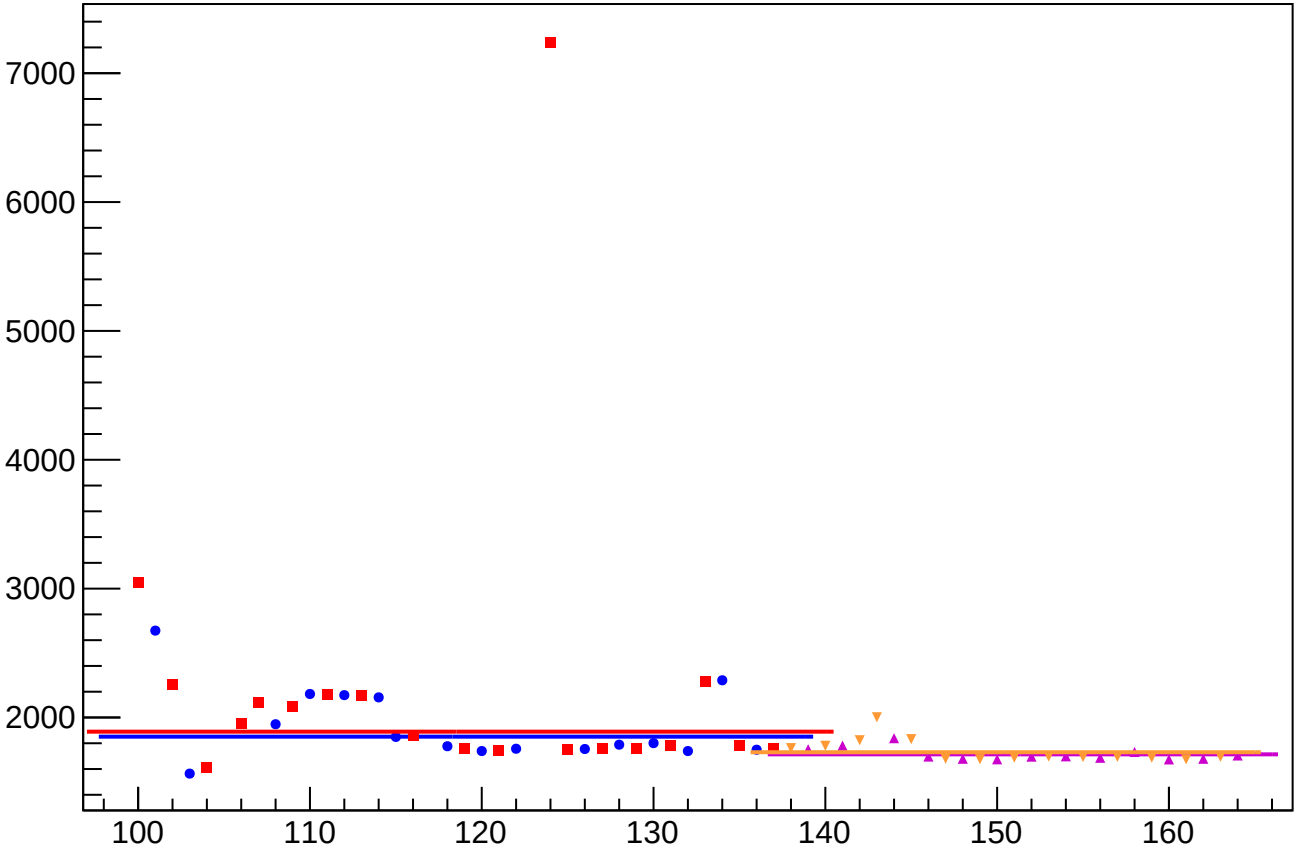
Left In: 1045.877+/-517.628 χ^2/NDF:11.3/12

+ sign 408.611+/-414.677 χ^2/NDF: 31.0/29

All: 624.406+/-294.190 χ^2/NDF: 63.3/61

- 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: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

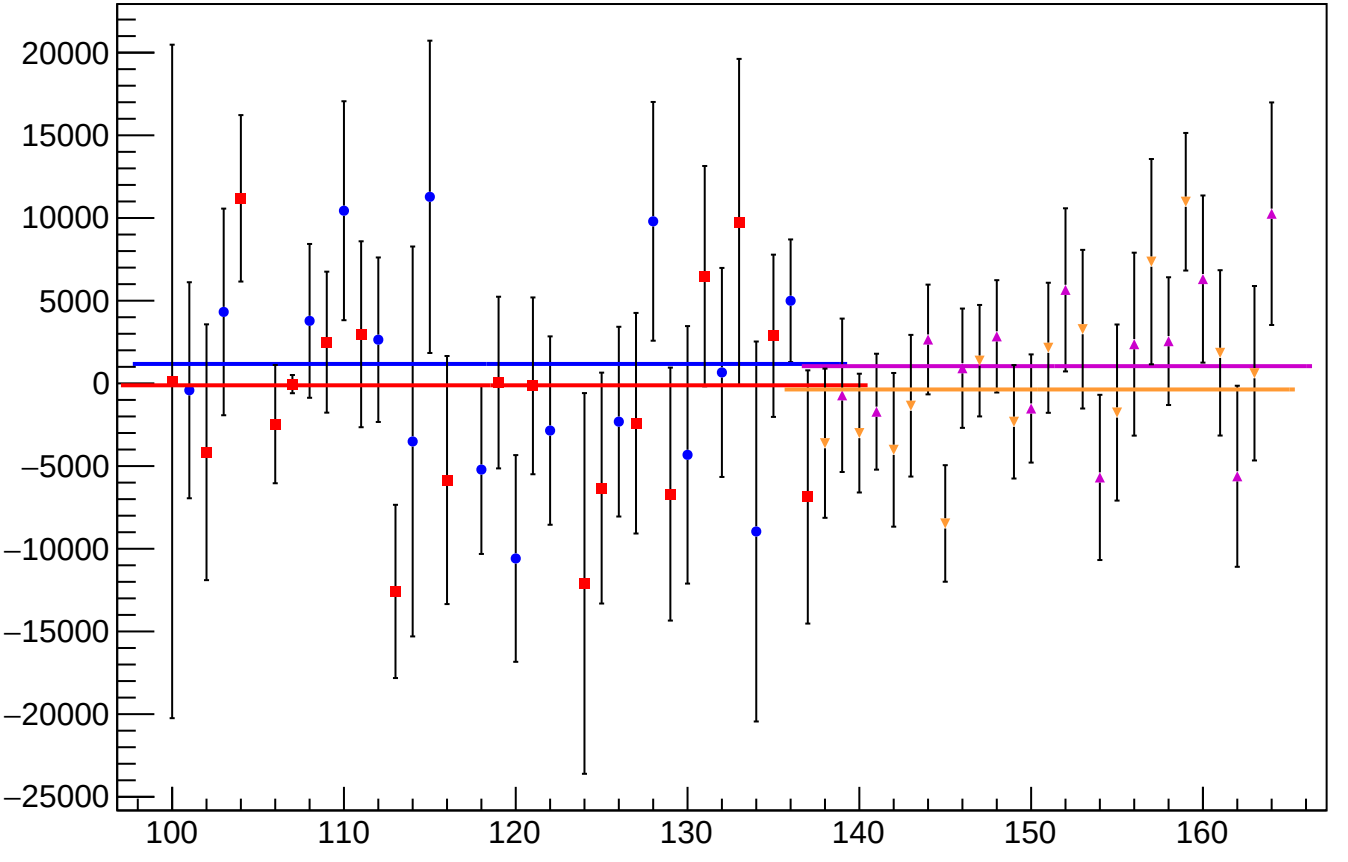
Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1773.478+/-0.293 χ^2/NDF: 348138.8/29

All: 1774.554+/-0.208 χ^2/NDF: 804622.0/61

- 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: -367.616+/-1129.249 χ^2/NDF:17.9/13

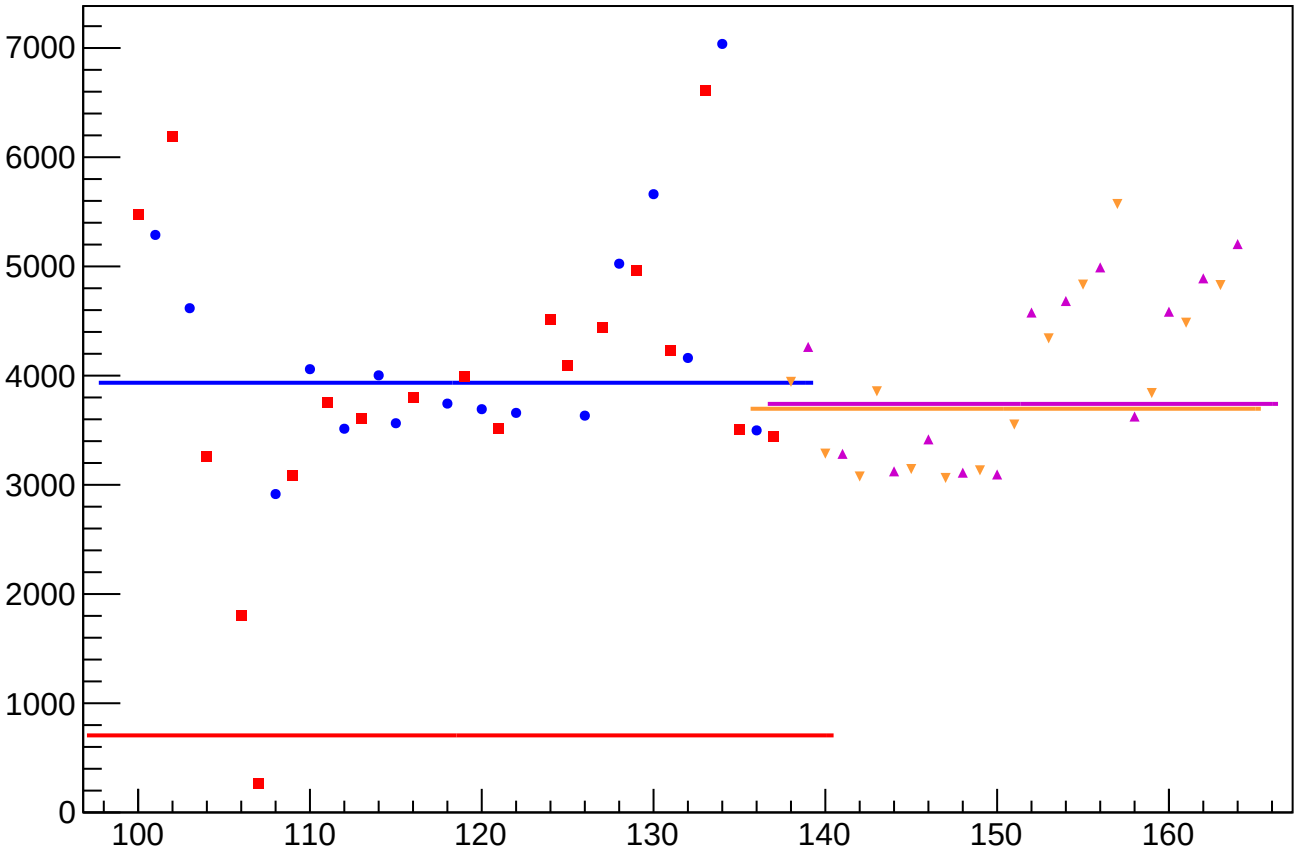
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 1042.120+/-1153.759 χ^2/NDF:9.2/12

+ sign 189.543+/-902.635 χ^2/NDF: 32.3/29

All: 99.122+/-415.622 χ^2/NDF: 60.9/61

- sign 74.793+/-468.210 χ^2/NDF: 28.6/31



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

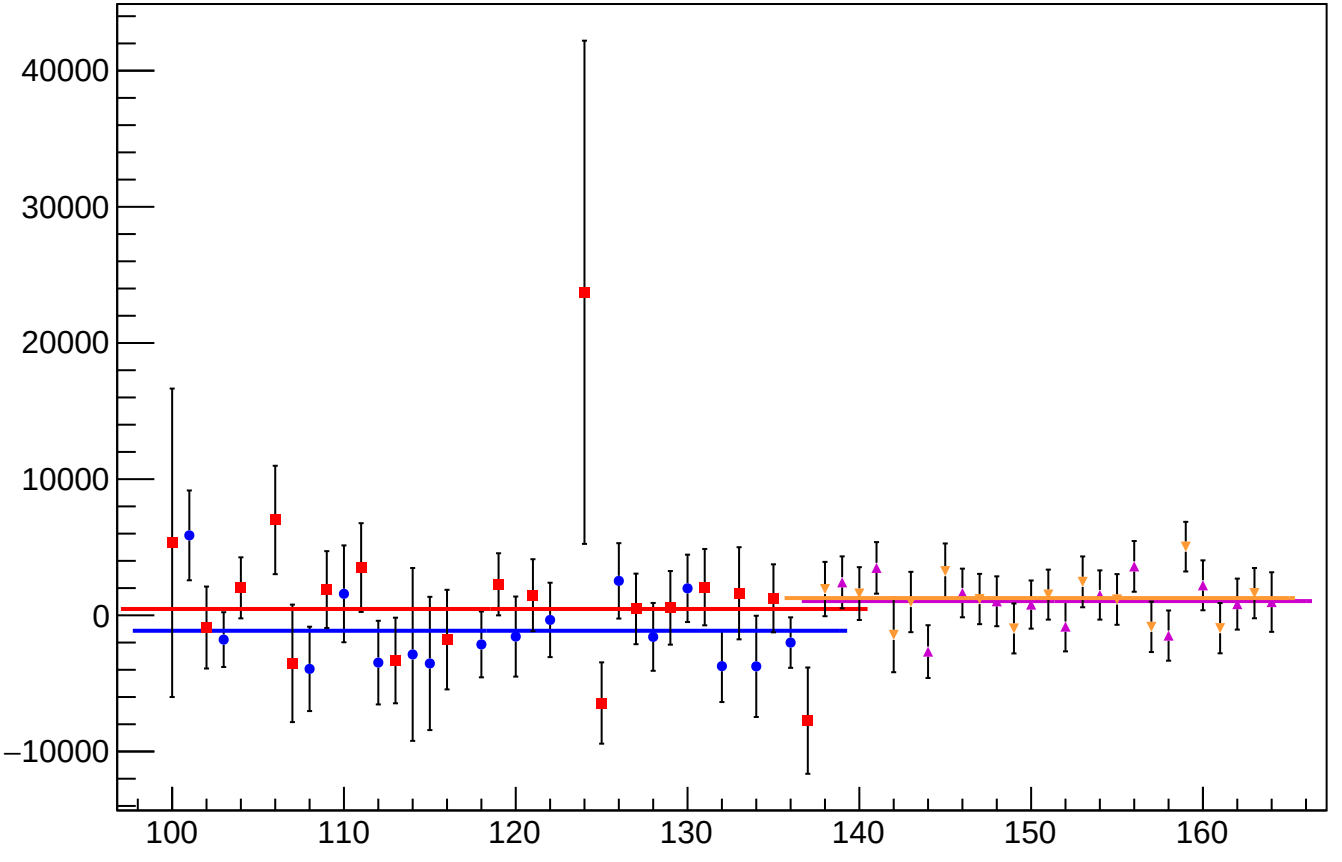
Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

+ sign 3782.628+/-0.638 χ^2/NDF: 1293532.3/29

All: 1751.927+/-0.294 χ^2/NDF: 37215028.8/6

- 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: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

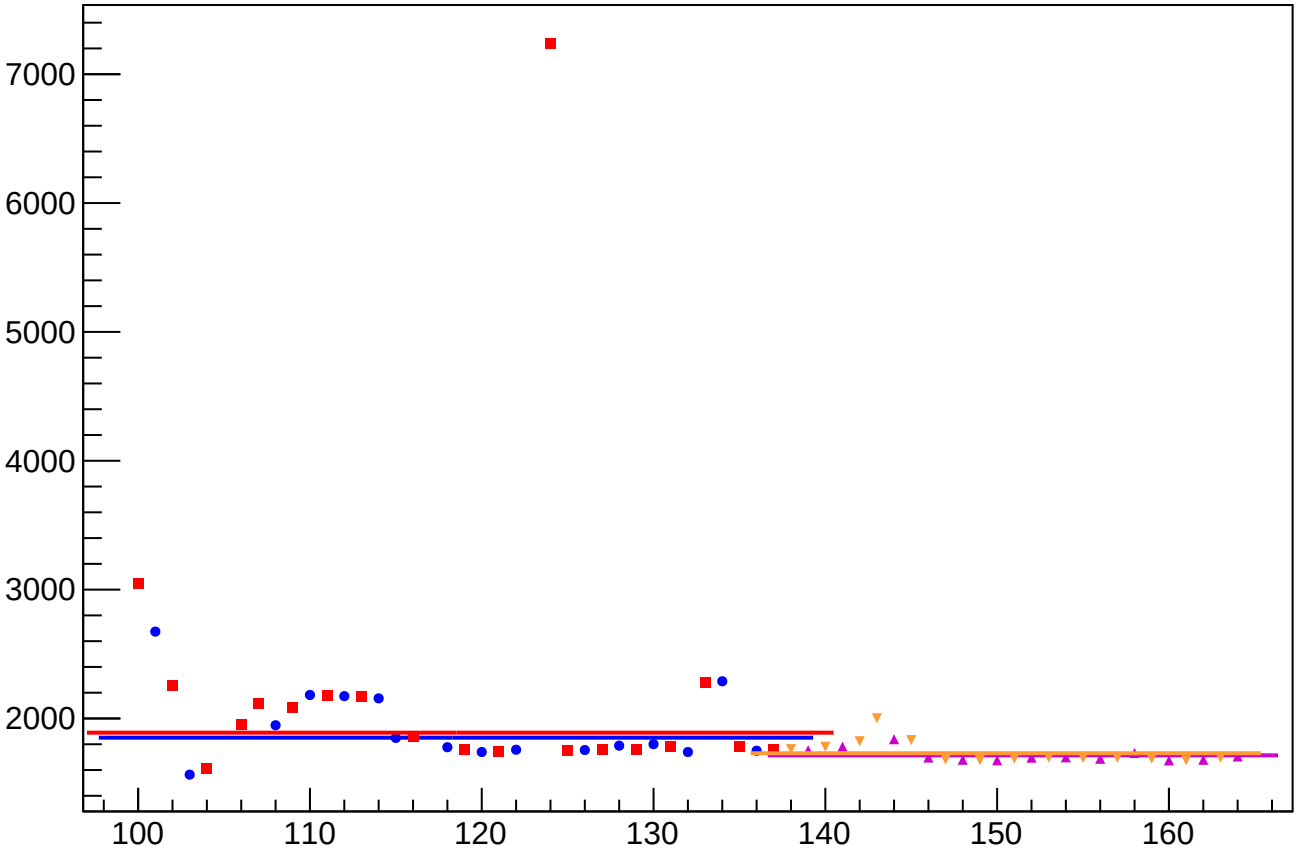
Left In: 1045.877+/-517.628 χ^2/NDF:11.3/12

+ sign 408.611+/-414.677 χ^2/NDF: 31.0/29

All: 624.406+/-294.190 χ^2/NDF: 63.3/61

- 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: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

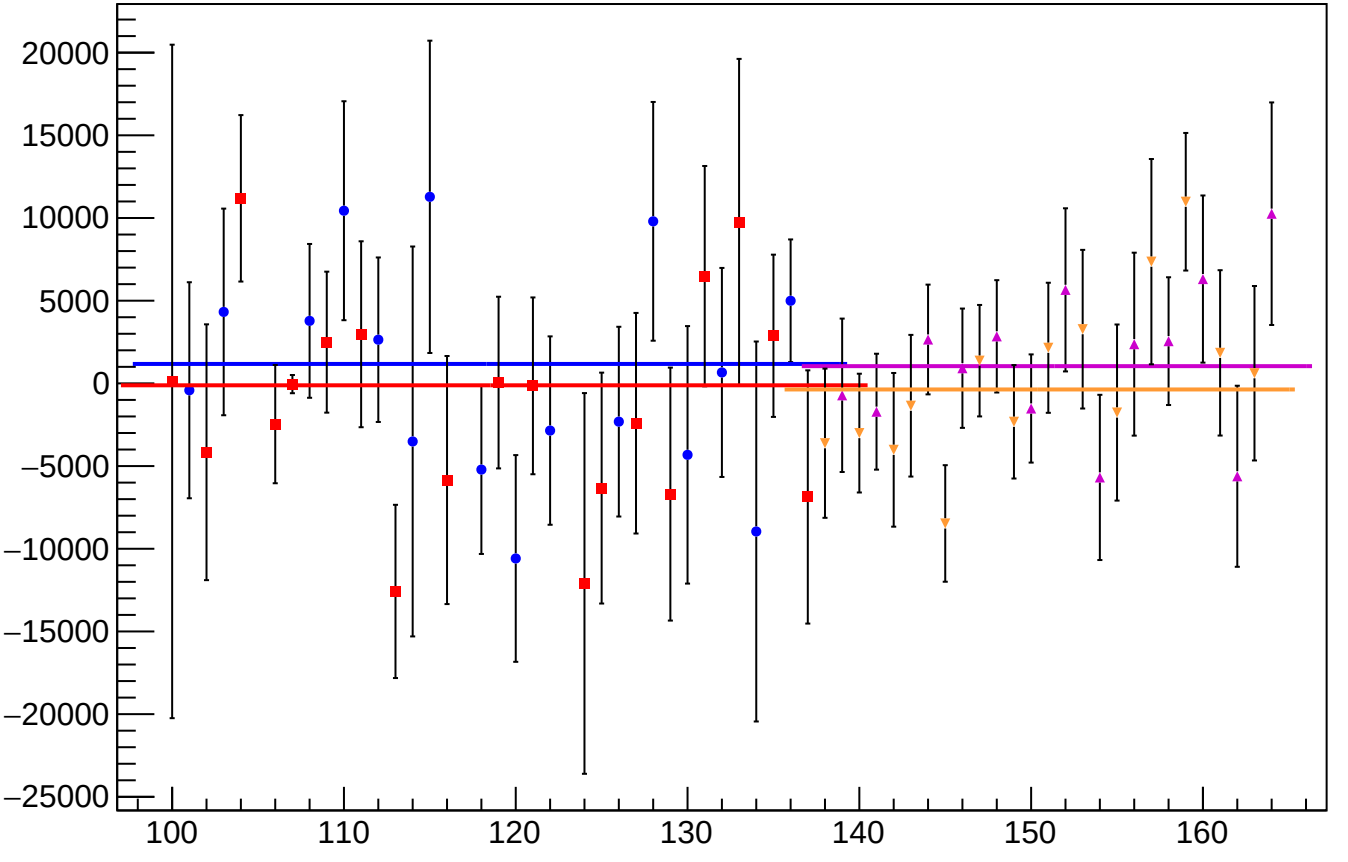
Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1773.478+/-0.293 χ^2/NDF: 348138.8/29

All: 1774.554+/-0.208 χ^2/NDF: 804622.0/61

- sign 1775.642+/-0.295 χ^2/NDF: 456456.0/31

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

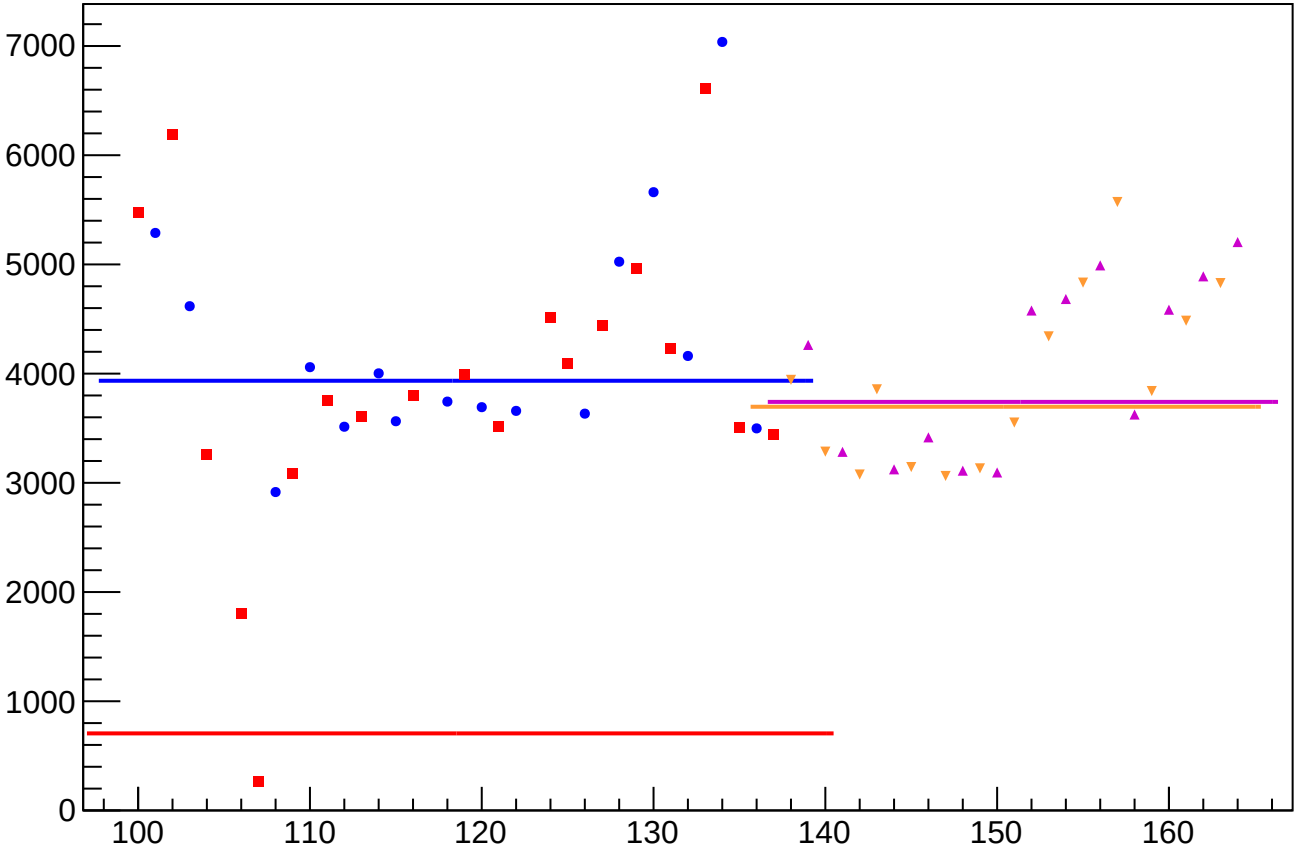
Left In: 1042.120+/-1153.759 χ^2/NDF:9.2/12

+ sign 189.543+/-902.635 χ^2/NDF: 32.3/29

All: 99.122+/-415.622 χ^2/NDF: 60.9/61

- 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: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

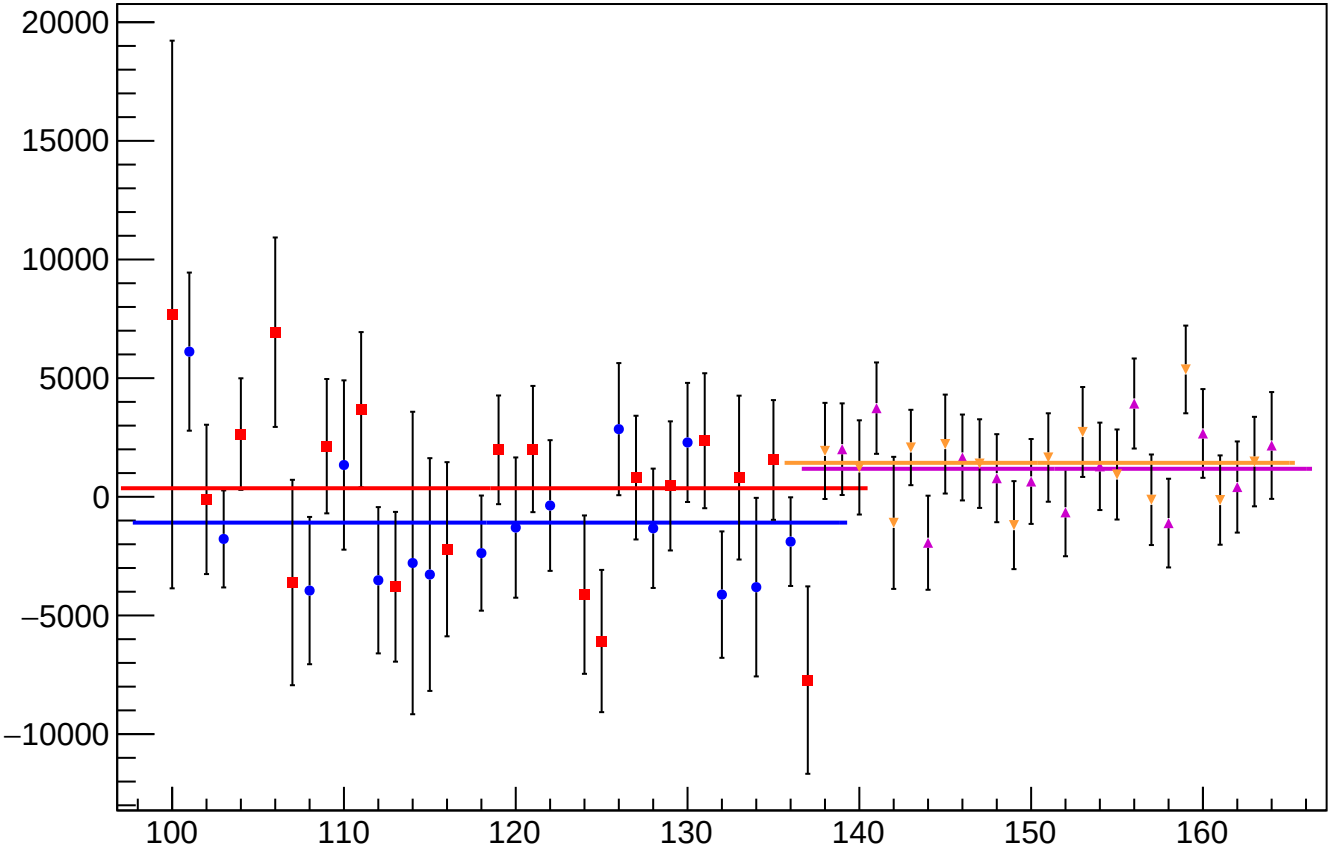
Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

+ sign 3782.628+/-0.638 χ^2/NDF: 1293532.3/29

All: 1751.927+/-0.294 χ^2/NDF: 37215028.8/6

- 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: 1431.496+/-512.593 χ^2/NDF:9.7/13

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

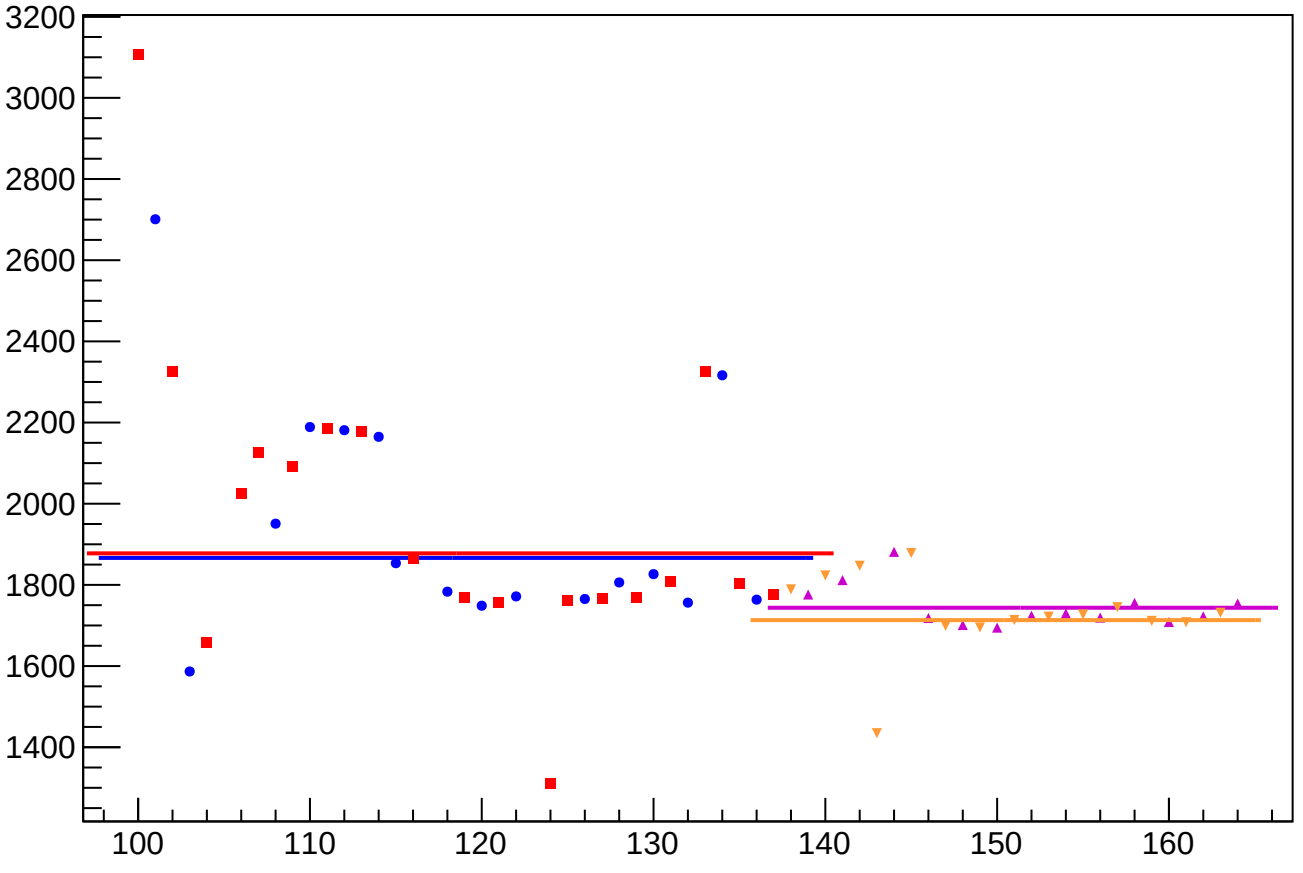
Left In: 1180.118+/-526.648 χ^2/NDF:10.2/12

+ sign 551.458+/-413.479 χ^2/NDF: 31.3/29

All: 714.798+/-294.918 χ^2/NDF: 63.5/61

- 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: 1713.201+/-0.362 χ^2/NDF:88919.8/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

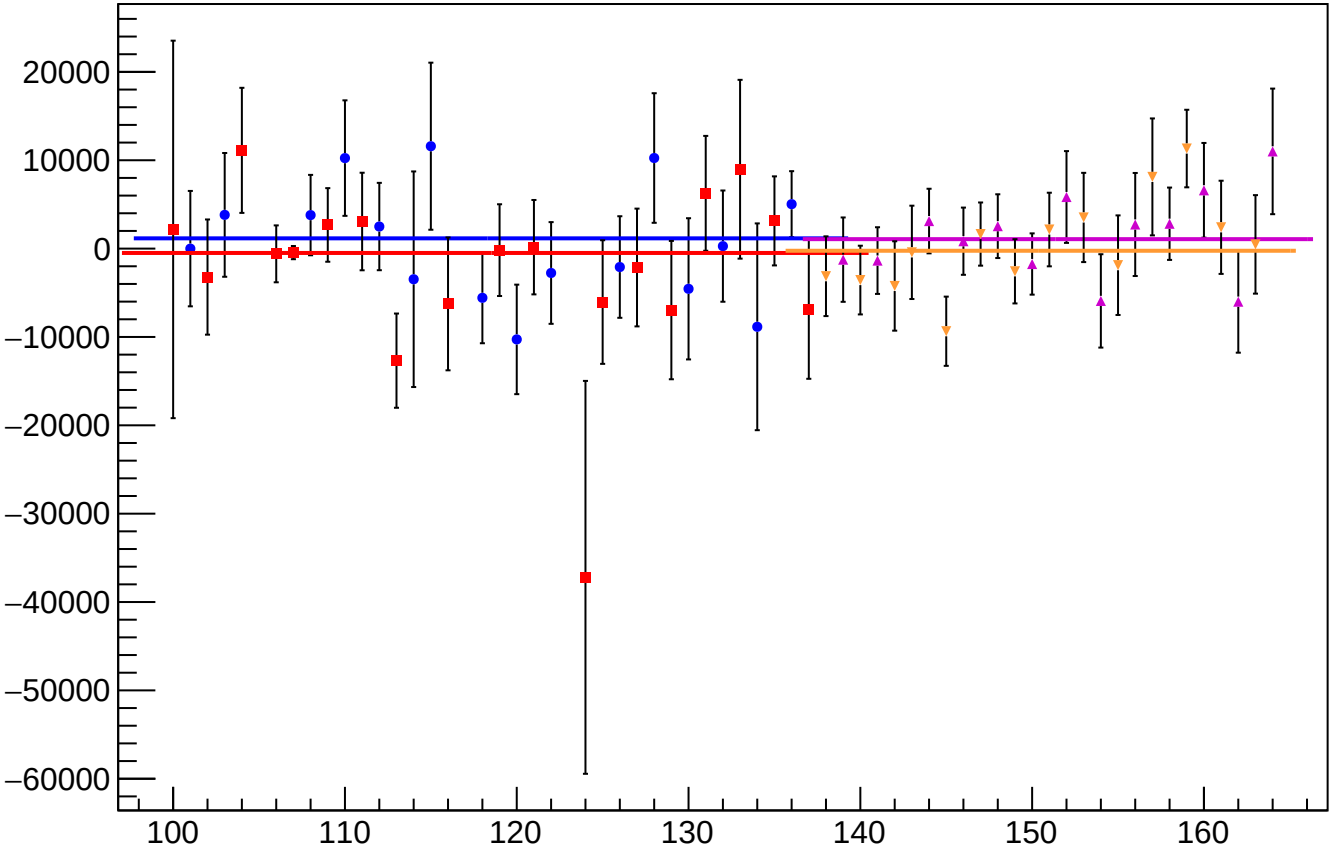
Left In: 1743.686+/-0.372 χ^2/NDF:17413.0/12

+ sign 1766.738+/-0.292 χ^2/NDF: 407633.8/29

All: 1779.245+/-0.209 χ^2/NDF: 727480.4/61

- sign 1792.190+/-0.297 χ^2/NDF: 316122.3/31

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -243.564+/-1212.208 χ^2/NDF:17.6/13

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

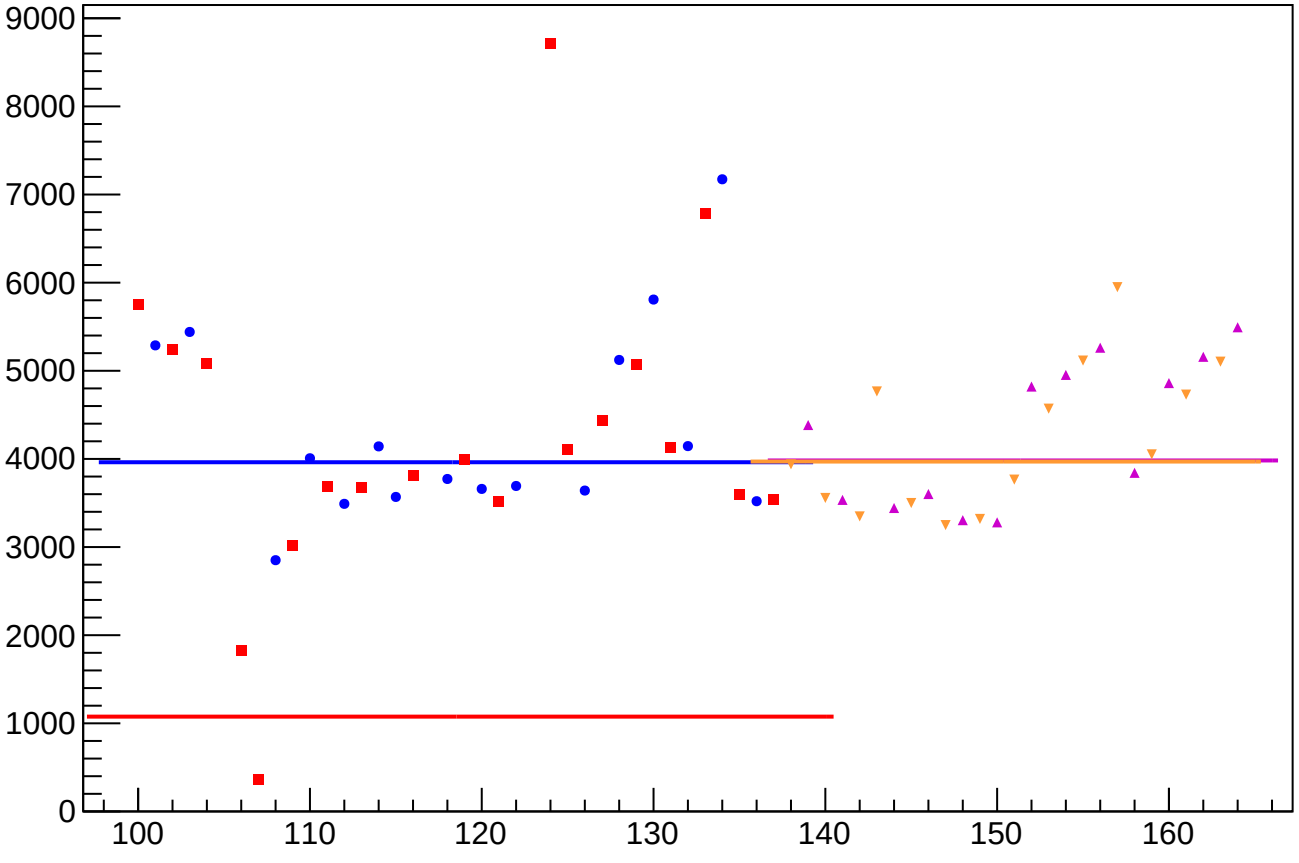
Left In: 1070.618+/-1226.628 χ^2/NDF:9.2/12

+ sign 305.948+/-945.834 χ^2/NDF: 31.8/29

All: -20.334+/-494.558 χ^2/NDF: 59.4/61

- 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: 3970.151+/-0.857 χ^2/NDF:692160.9/13

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

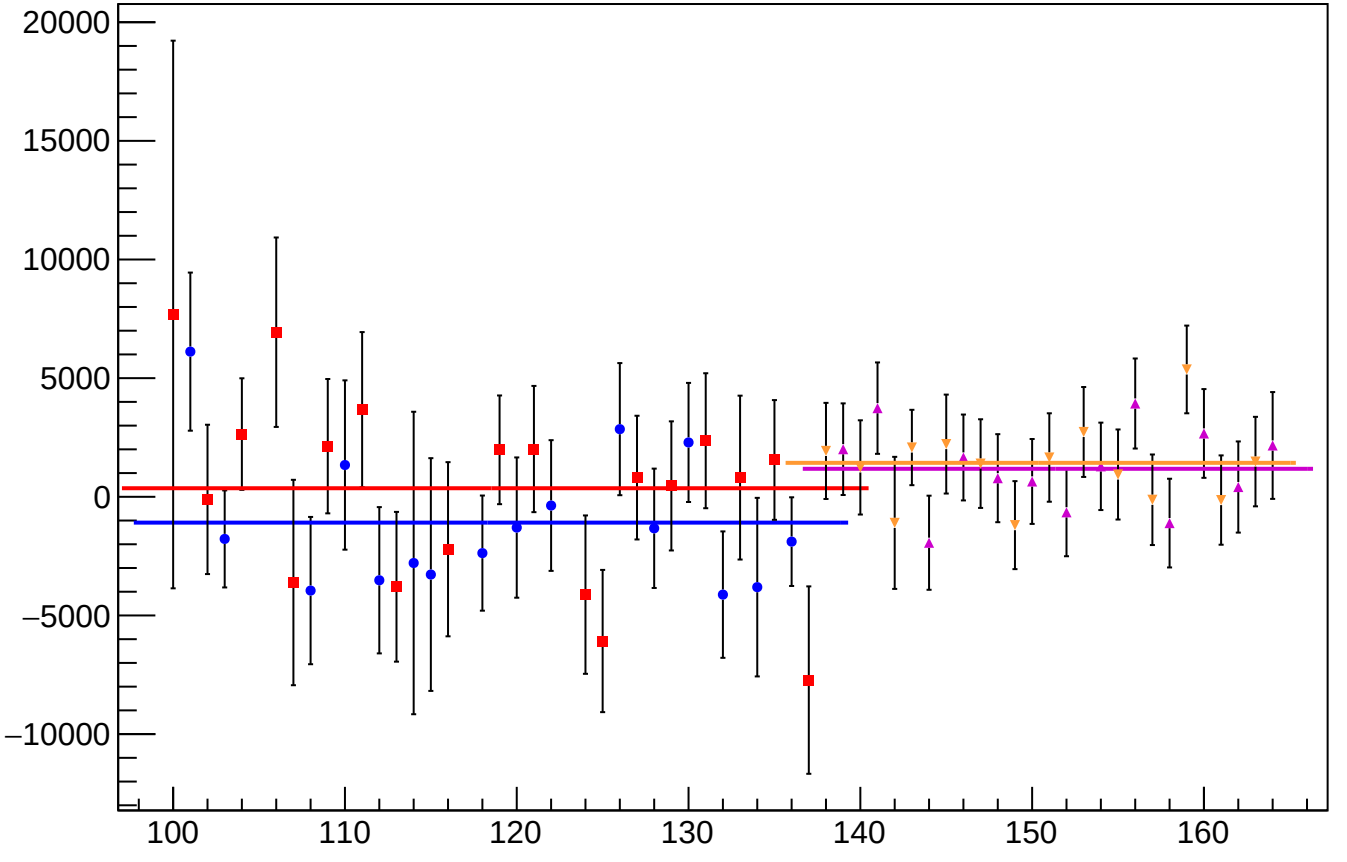
Left In: 3982.599+/-0.867 χ^2/NDF:703733.0/12

+ sign 3967.106+/-0.669 χ^2/NDF: 1360532.8/29

All: 2338.905+/-0.350 χ^2/NDF: 28497211.8/6

- 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: 1431.503+/-512.594 χ^2/NDF:9.7/13

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

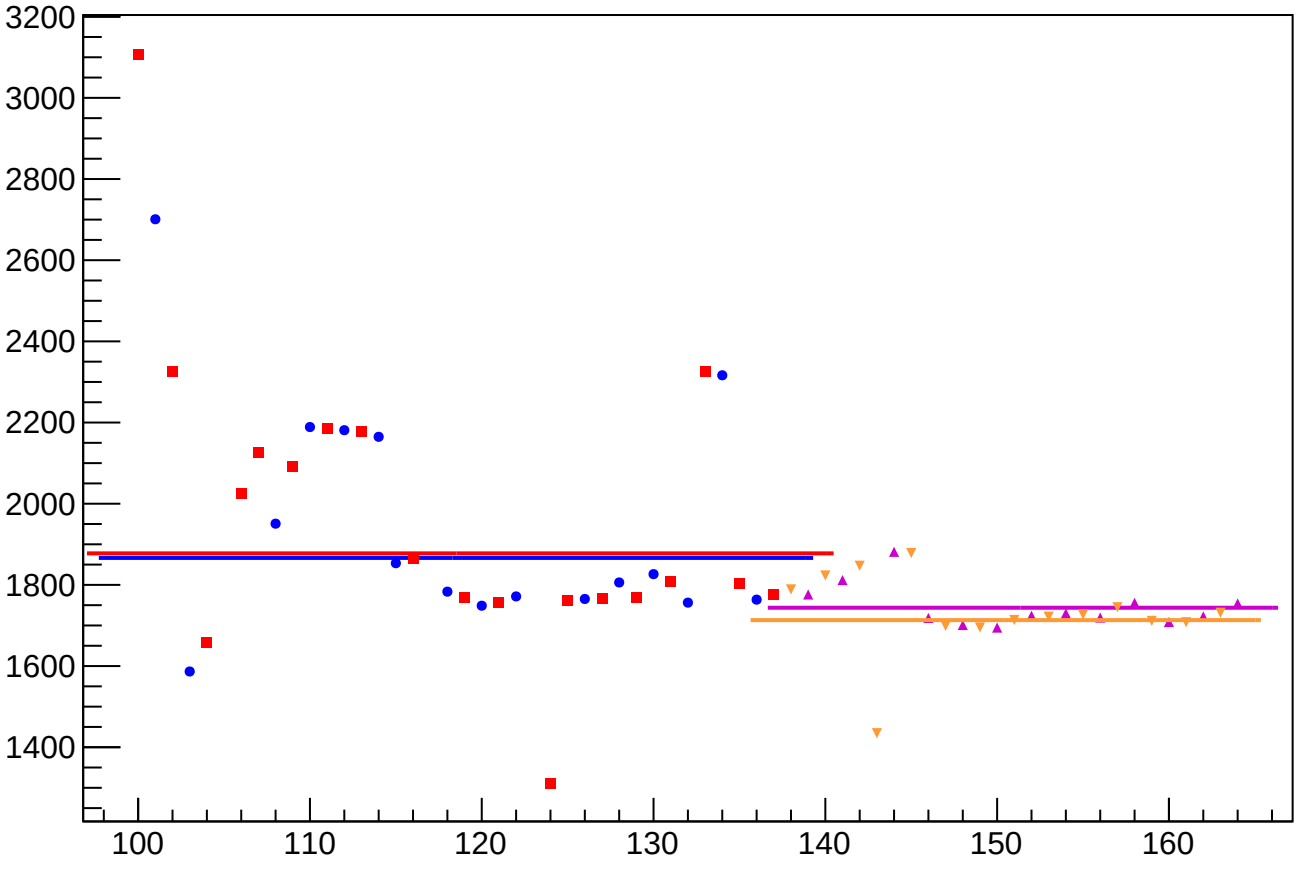
Left In: 1180.120+/-526.648 χ^2/NDF:10.2/12

+ sign 551.459+/-413.480 χ^2/NDF: 31.3/29

All: 714.801+/-294.918 χ^2/NDF: 63.5/61

- 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: 1713.202+/-0.362 χ^2/NDF:88918.9/13

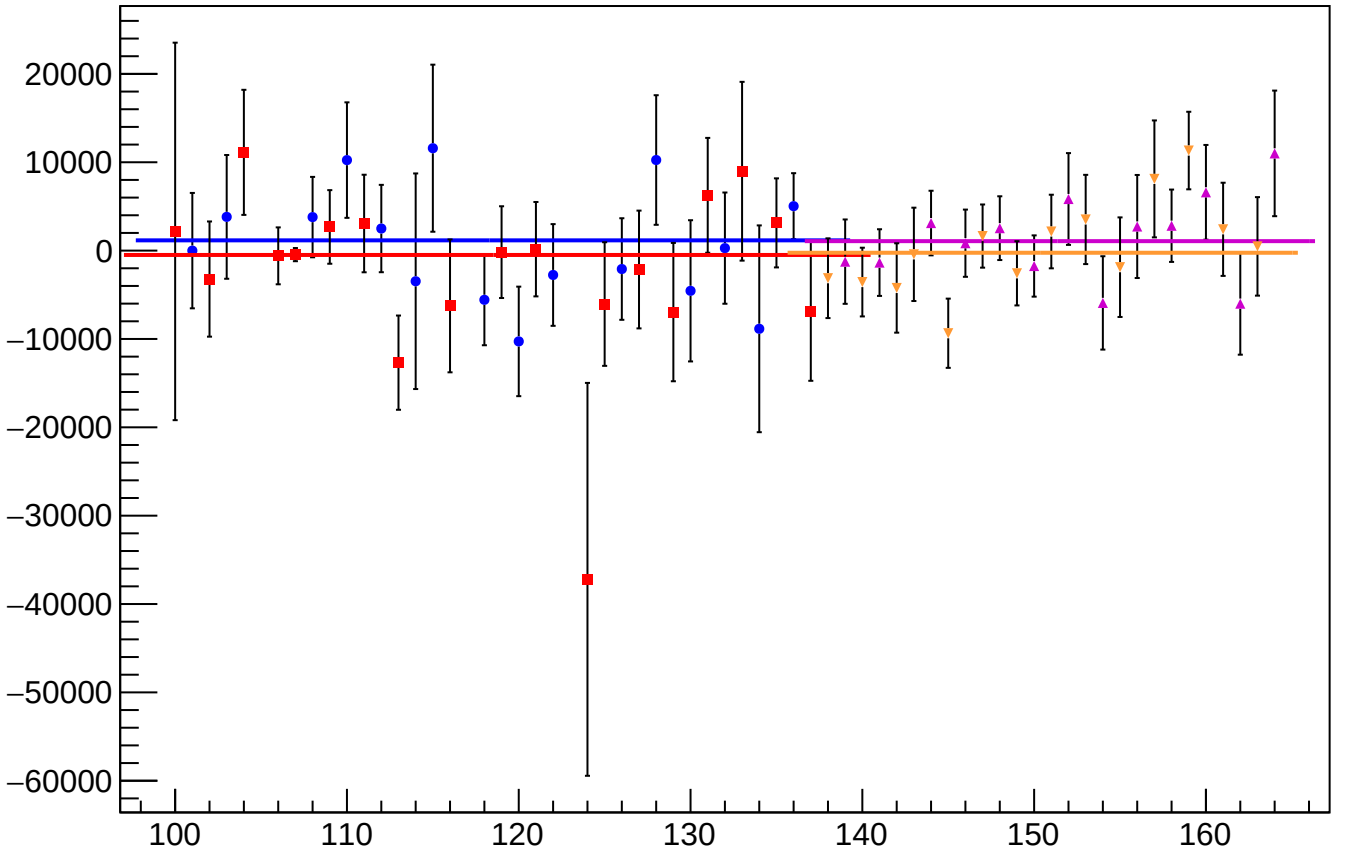
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.686+/-0.372 χ^2/NDF:17412.9/12

+ sign 1766.738+/-0.292 χ^2/NDF: 407631.8/29

All: 1779.246+/-0.209 χ^2/NDF: 727477.9/61

- 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: -243.562+/-1212.209 χ^2/NDF:17.6/13

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

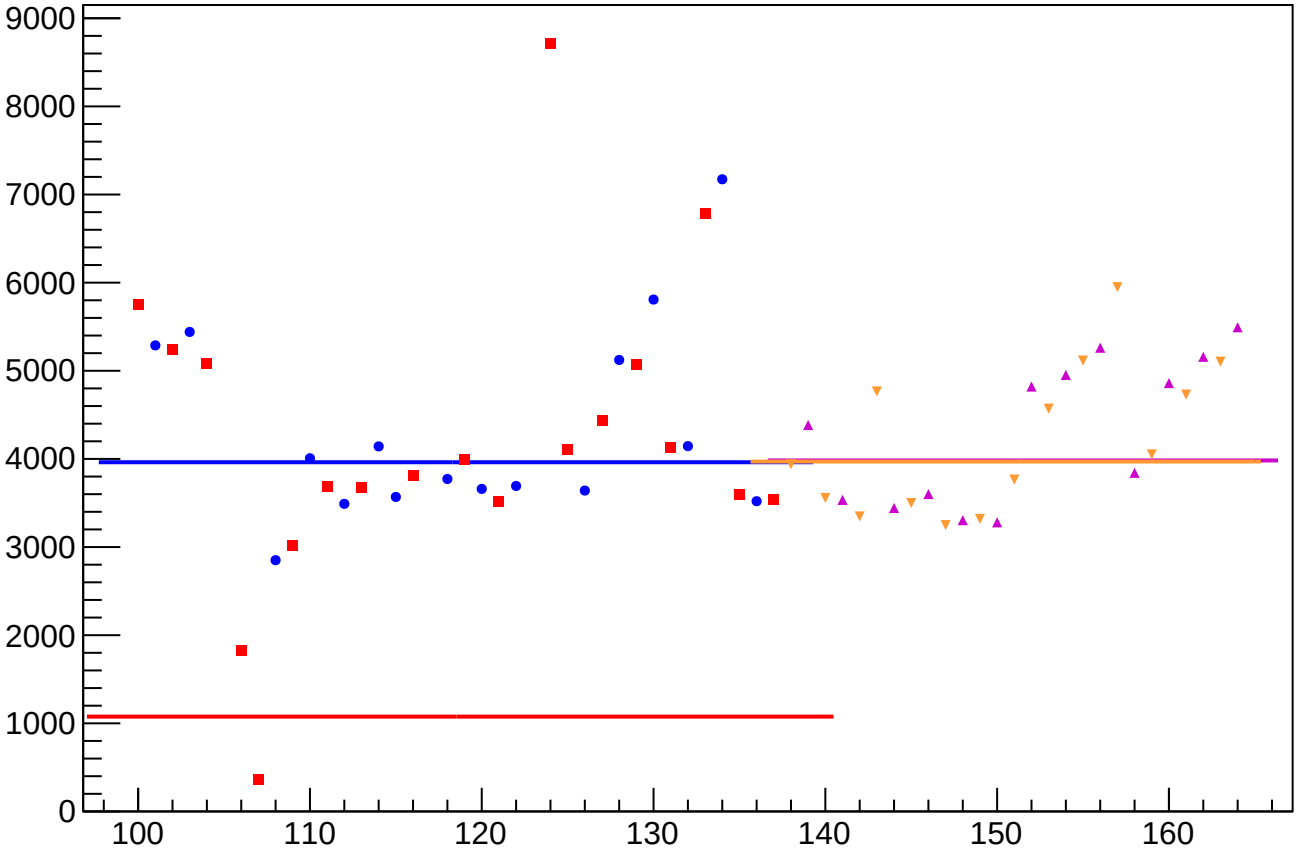
Left In: 1070.616+/-1226.630 χ^2/NDF:9.2/12

+ sign 305.943+/-945.834 χ^2/NDF: 31.8/29

All: -20.331+/-494.562 χ^2/NDF: 59.4/61

- 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: 3970.156+/-0.857 χ^2/NDF:692160.7/13

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

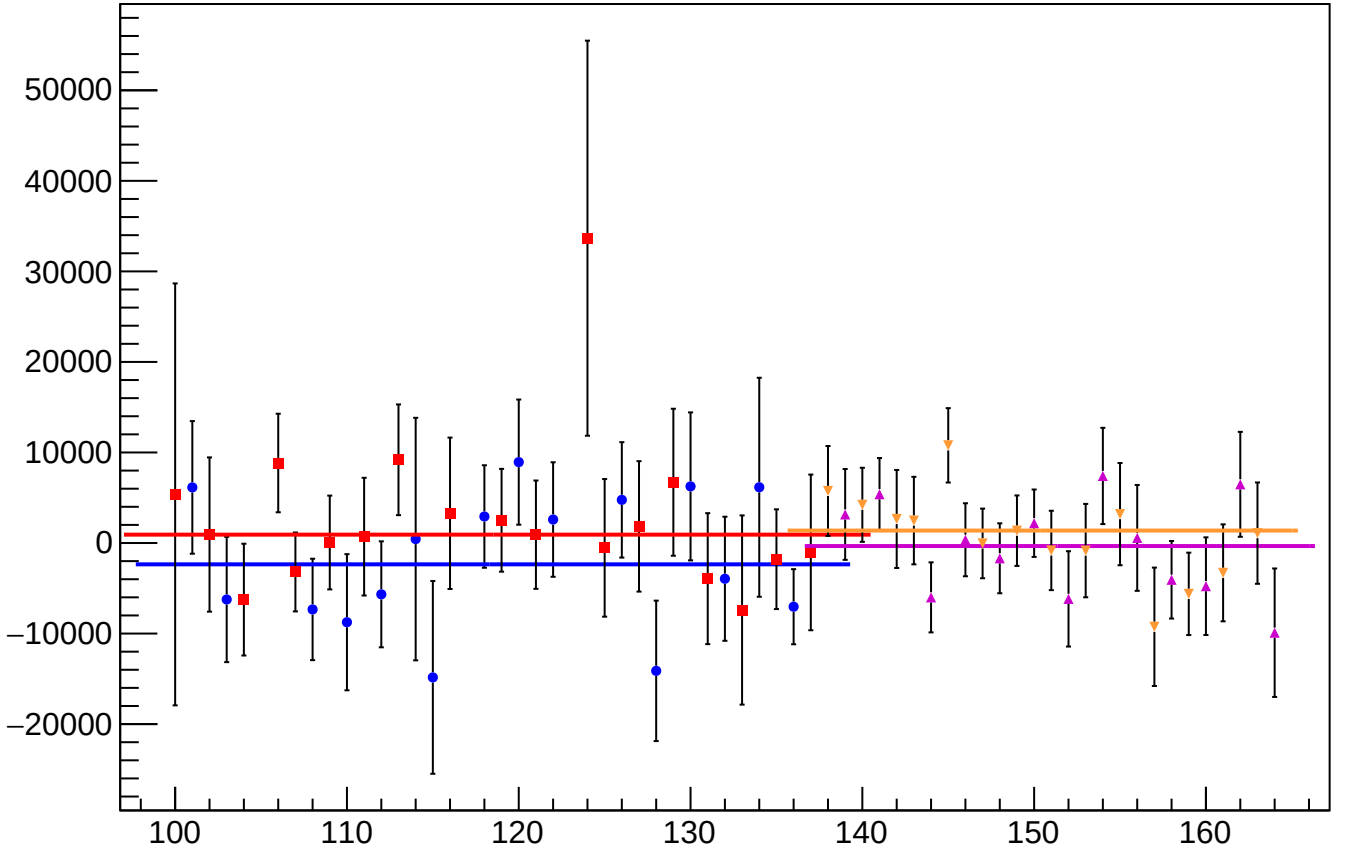
Left In: 3982.604+/-0.867 χ^2/NDF:703733.9/12

+ sign 3967.107+/-0.669 χ^2/NDF: 1360528.9/29

All: 2338.946+/-0.350 χ^2/NDF: 28496496.0/6

- 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: 1376.030+/-1260.145 χ^2/NDF:13.1/13

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

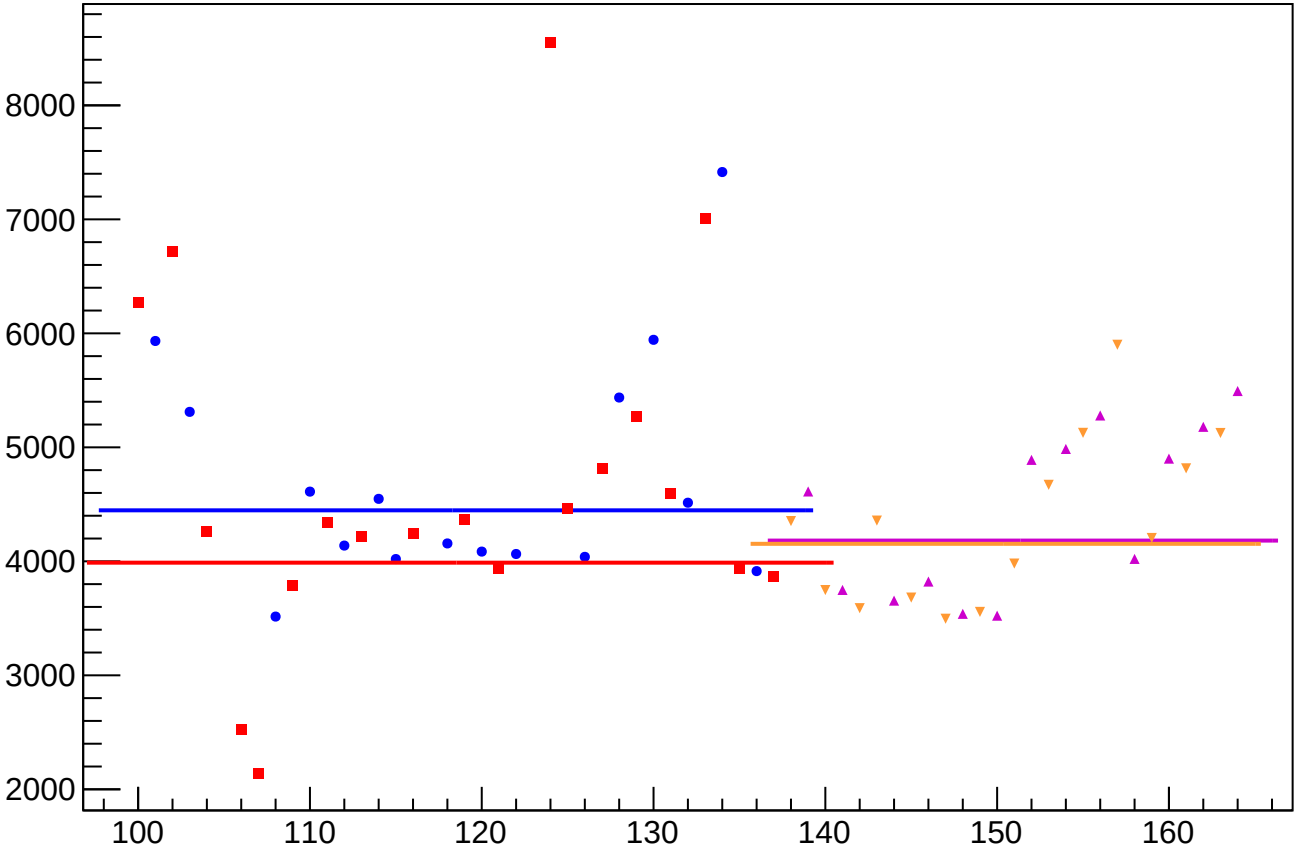
Left In: -334.820+/-1281.160 χ^2/NDF:13.3/12

+ sign 37.600+/-1009.105 χ^2/NDF: 31.8/29

All: 109.227+/-705.488 χ^2/NDF: 56.1/61

- 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: 4153.594+/-0.891 χ^2/NDF:496763.4/13

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

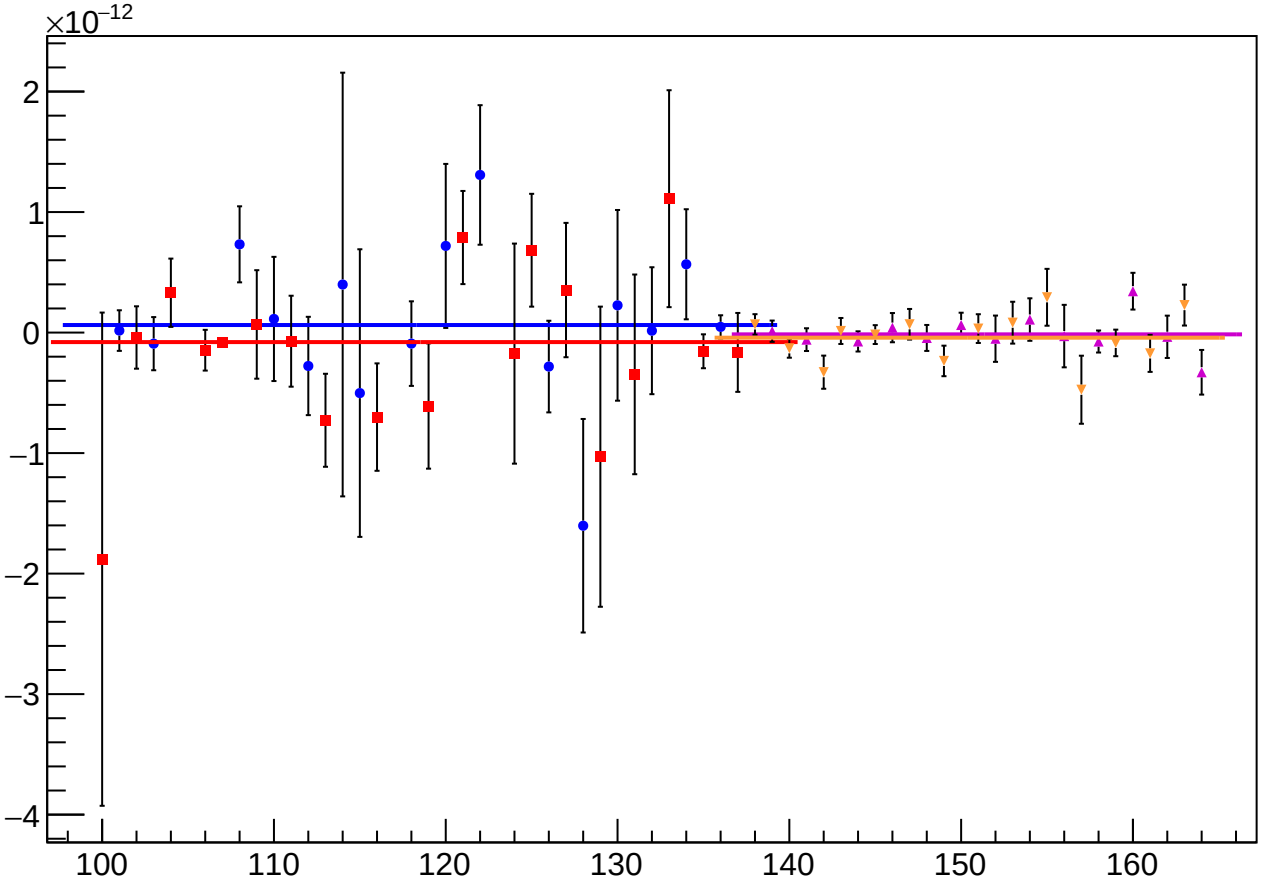
Left In: 4181.967+/-0.906 χ^2/NDF:527721.1/12

+ sign 4259.003+/-0.714 χ^2/NDF: 994023.7/29

All: 4178.530+/-0.498 χ^2/NDF: 2709282.4/61

- 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:19.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

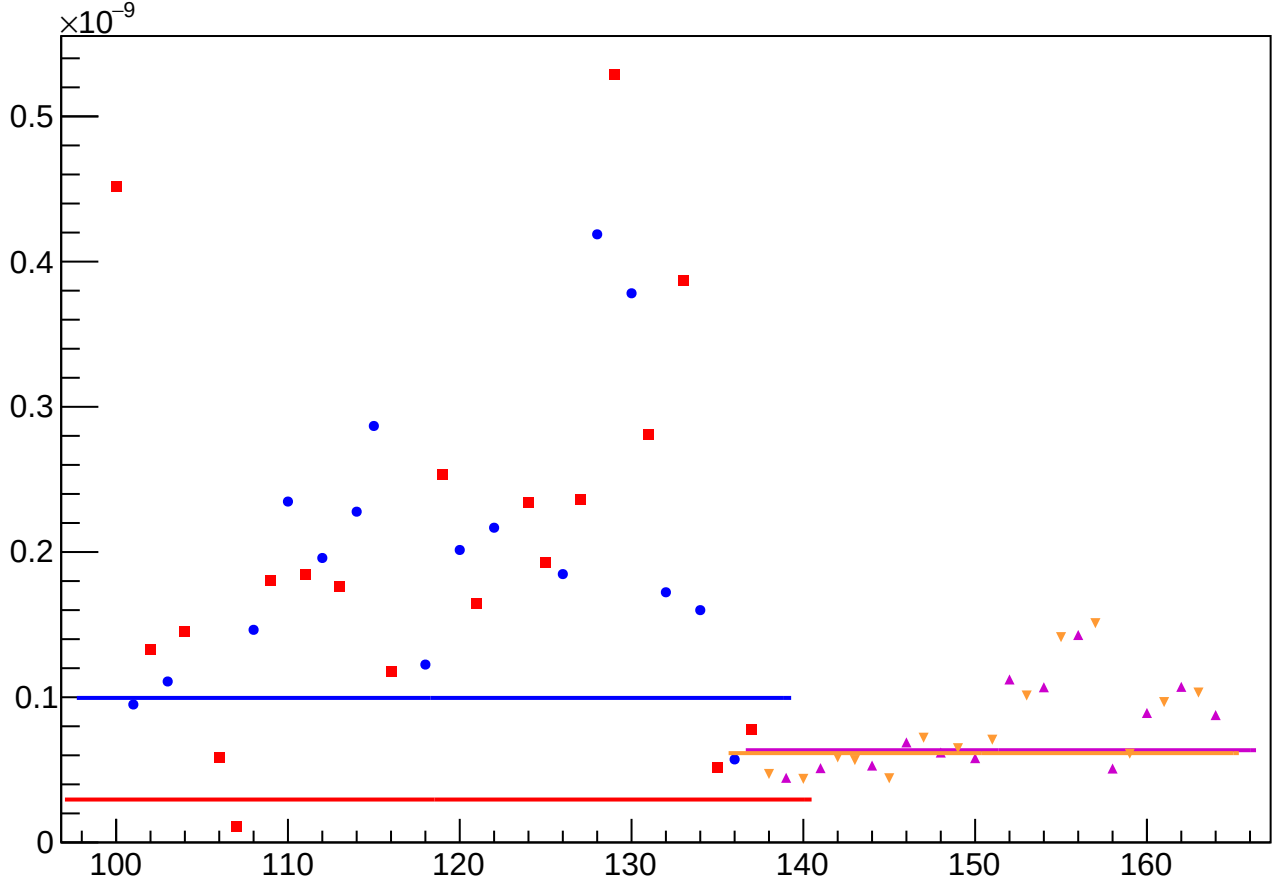
Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/29

All: -0.000+/-0.000 χ^2/NDF: 72.2/61

- 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:1050272.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

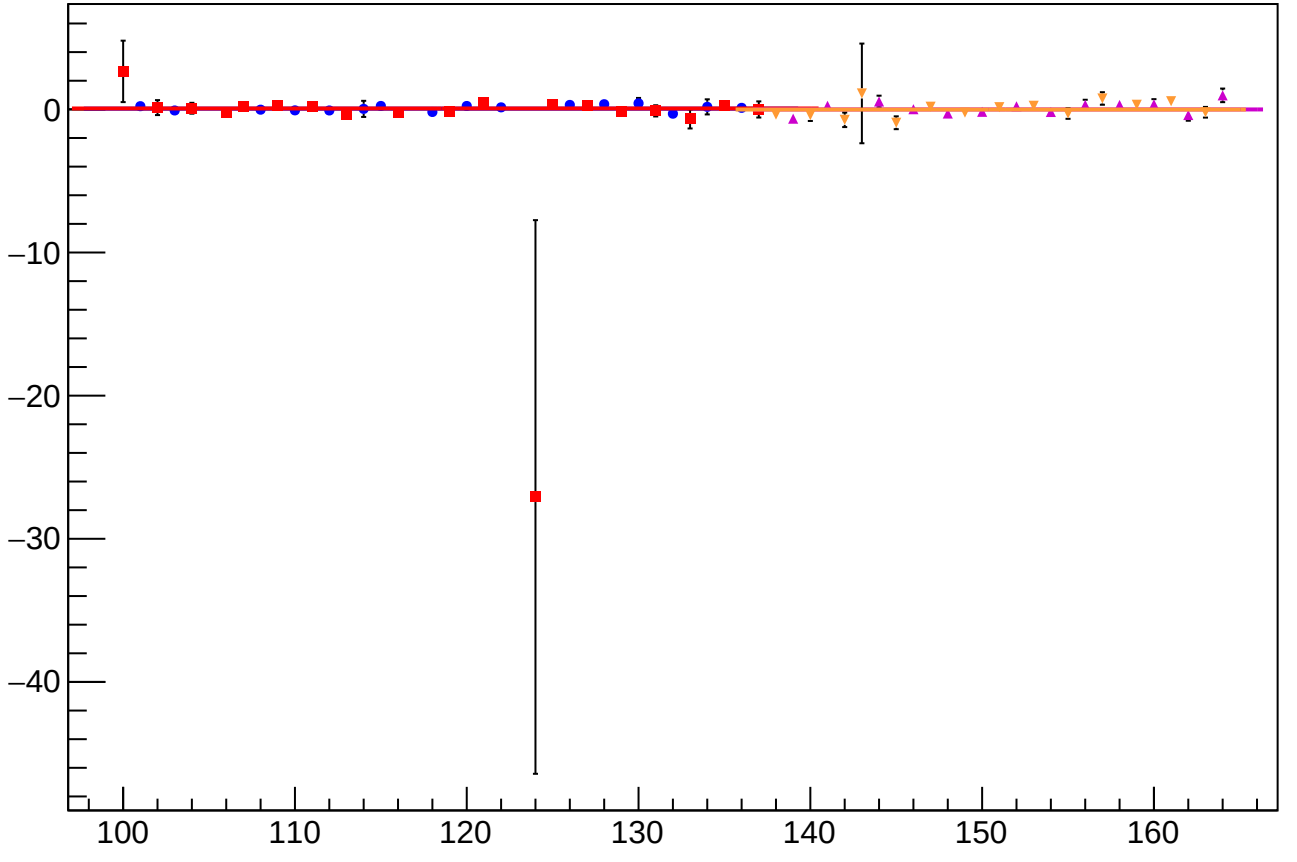
Left In: 0.000+/-0.000 χ^2/NDF:857570.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3128131.0/29

All: 0.000+/-0.000 χ^2/NDF: 10080403.2/61

- 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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

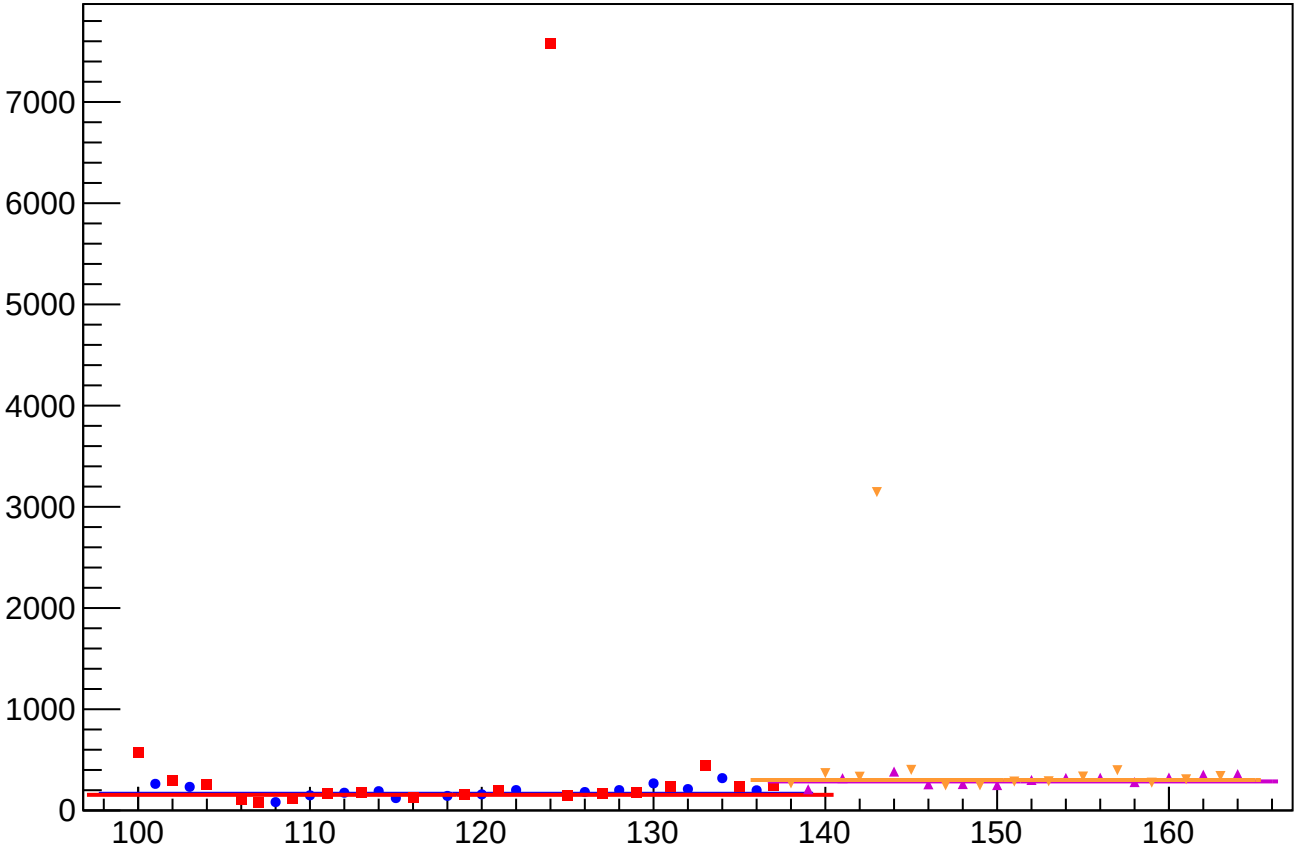
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.033+/-0.038 χ^2/NDF: 65.3/61

- 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: 300.889+/-0.067 χ^2/NDF:1832729.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

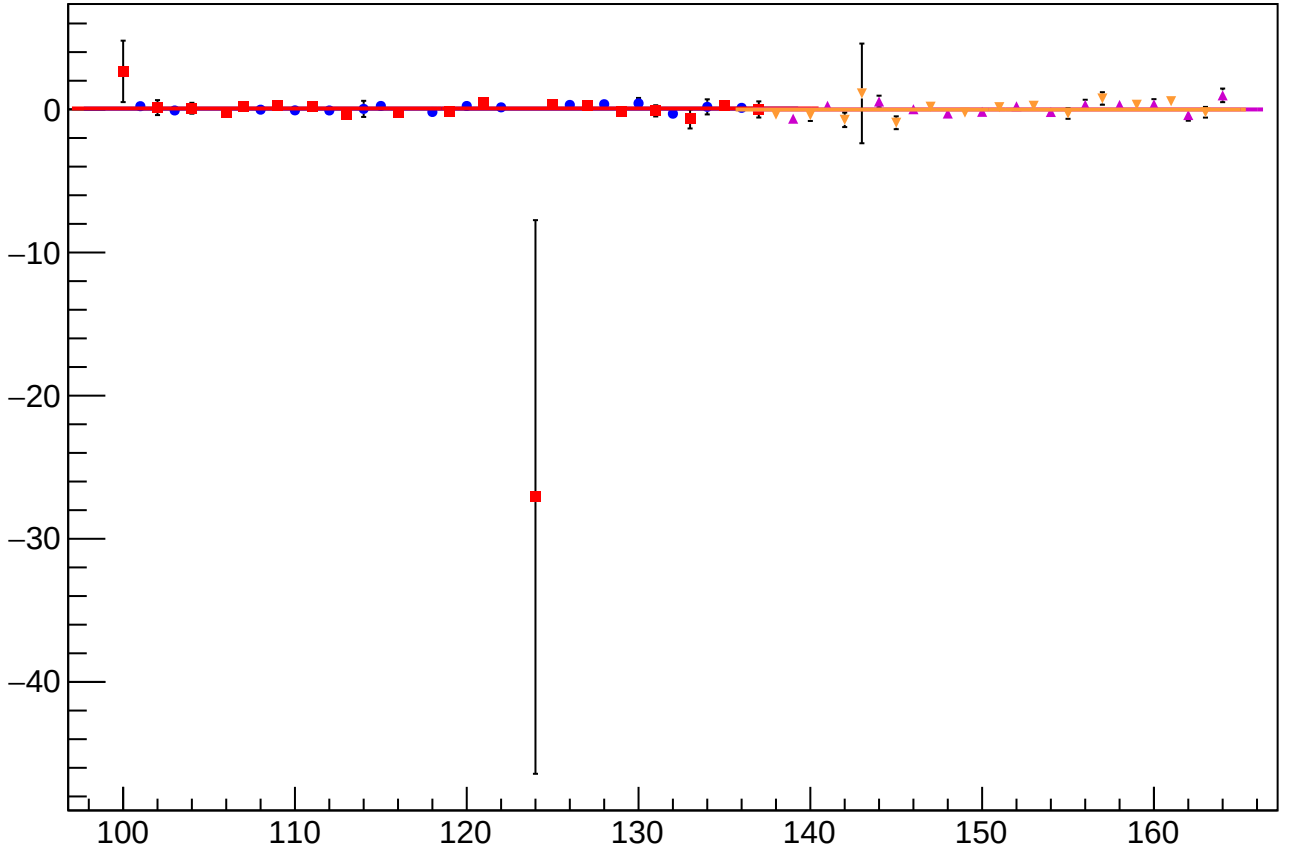
Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

+ sign 209.794+/-0.038 χ^2/NDF: 6079388.1/29

All: 204.721+/-0.027 χ^2/NDF: 11536471.1/61

- 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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

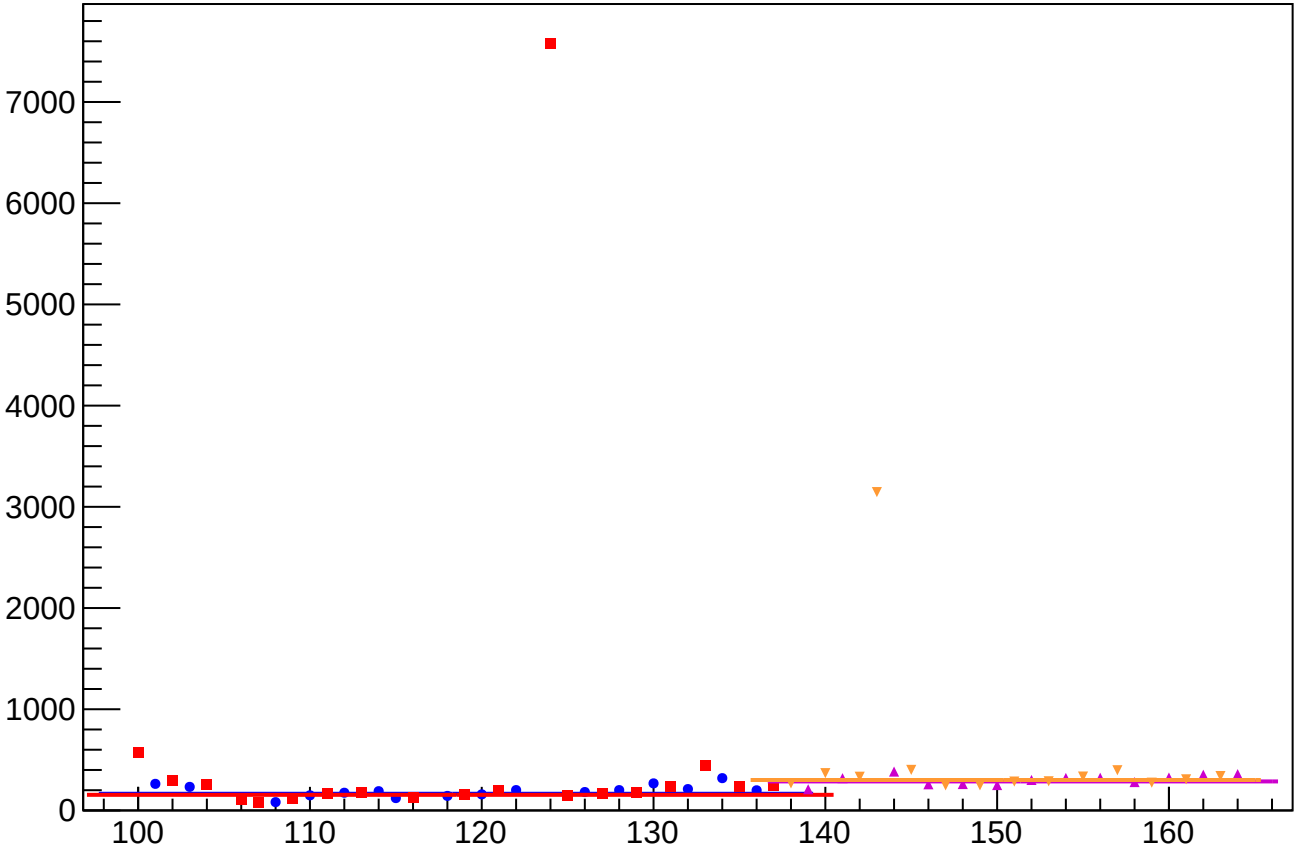
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.033+/-0.038 χ^2/NDF: 65.3/61

- 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: 300.889+/-0.067 χ^2/NDF:1832729.1/13

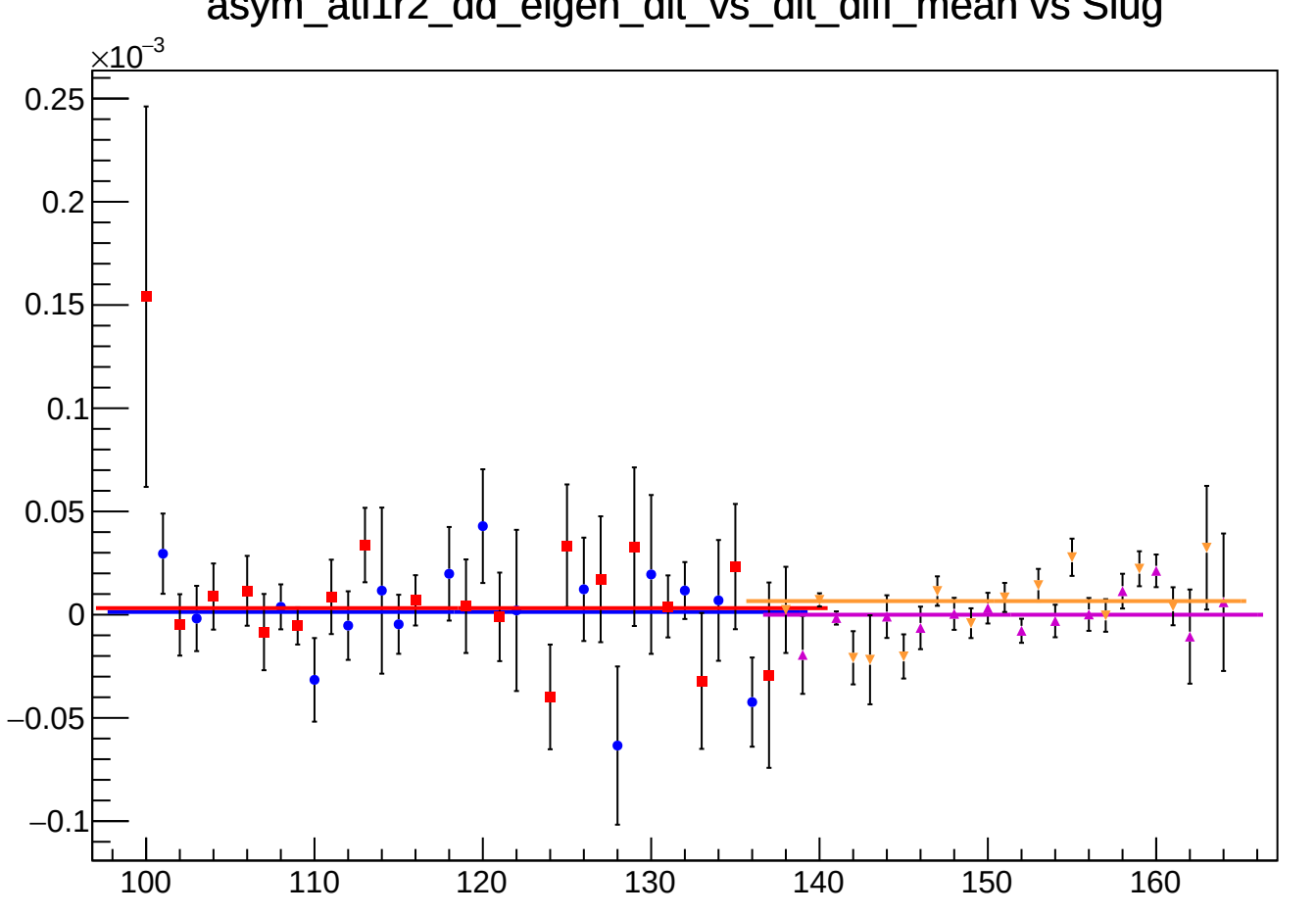
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

+ sign 209.794+/-0.038 χ^2/NDF: 6079388.1/29

All: 204.721+/-0.027 χ^2/NDF: 11536471.1/61

- 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:26.9/13

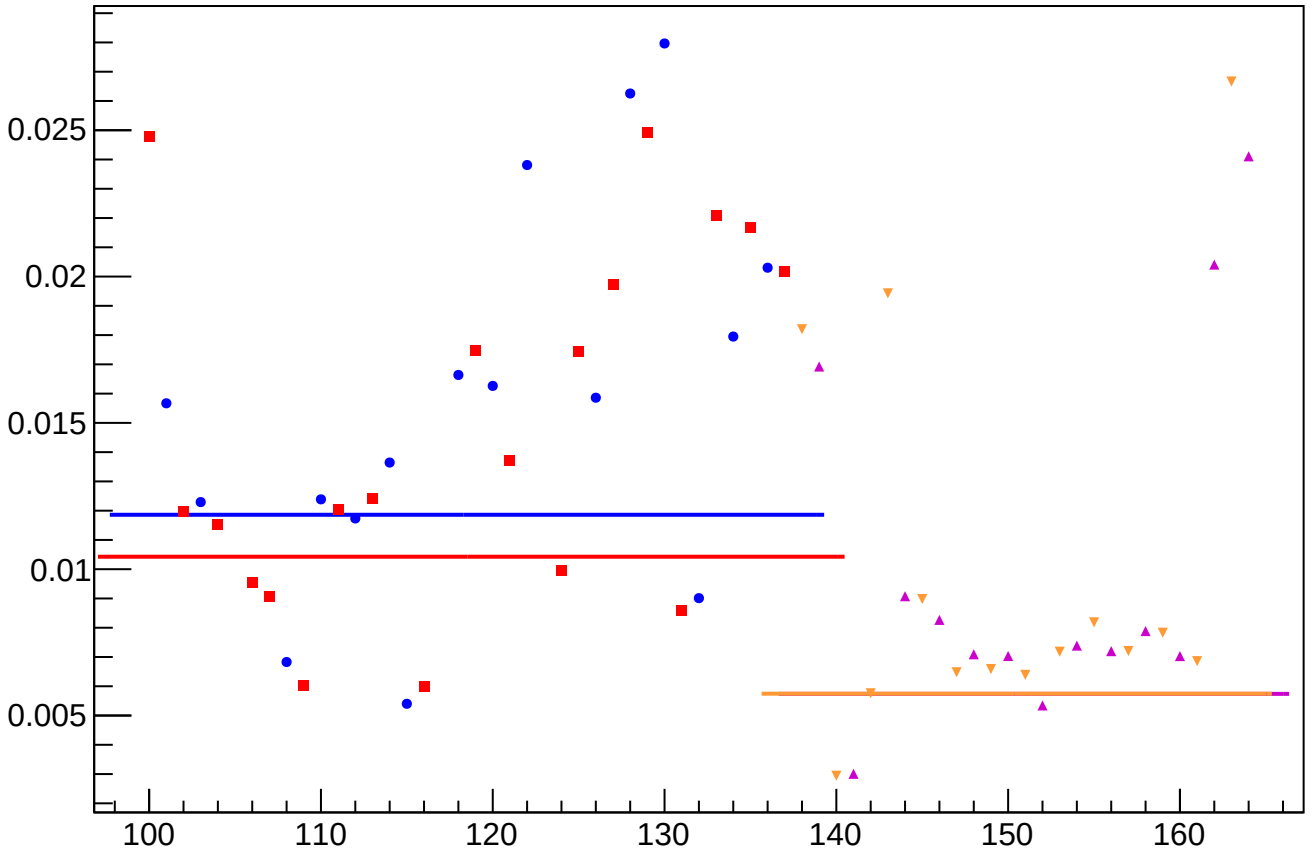
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 76.3/61

- 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:4693909.5/13

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

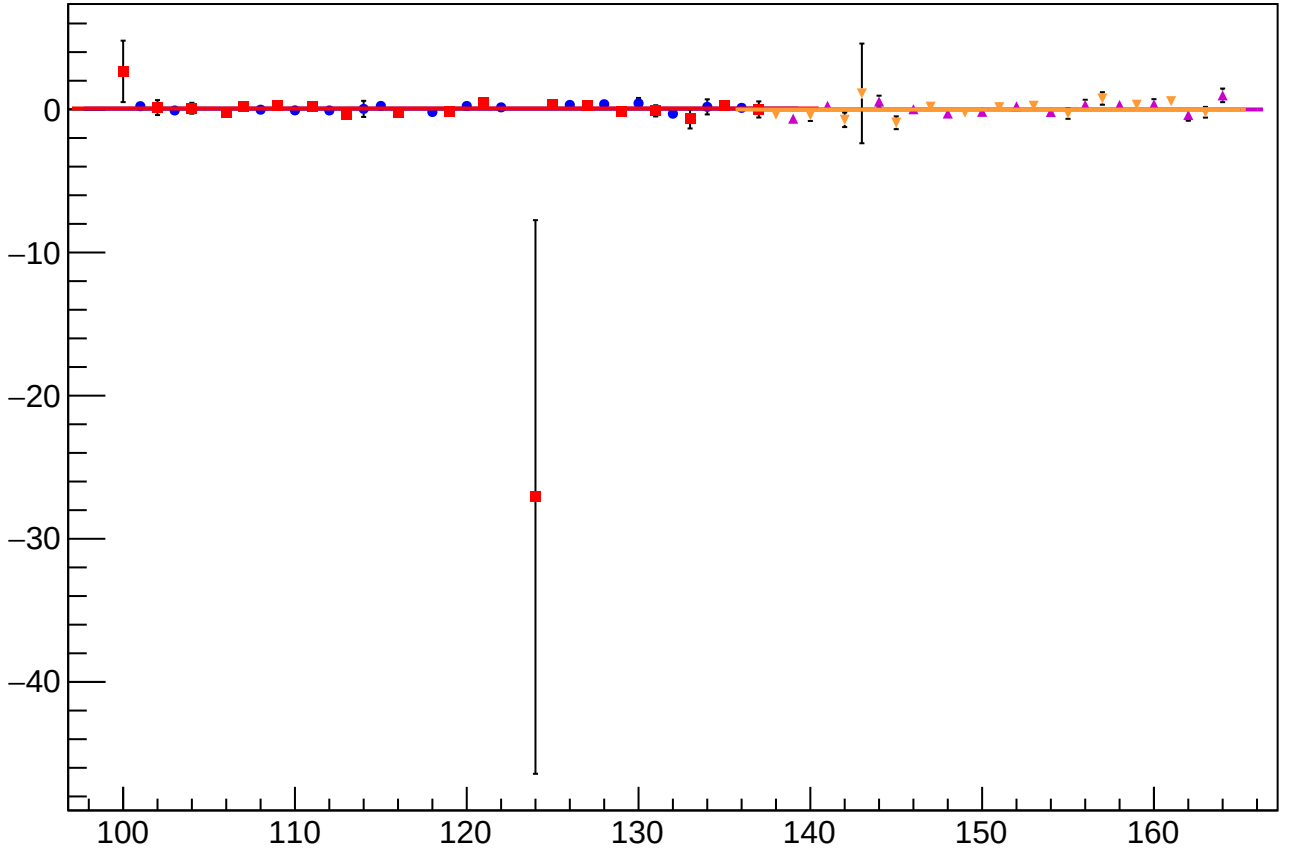
Left In: 0.006+/-0.000 χ^2/NDF:4386850.8/12

+ sign 0.007+/-0.000 χ^2/NDF: 9789279.5/29

All: 0.007+/-0.000 χ^2/NDF: 18529077.1/61

- 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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

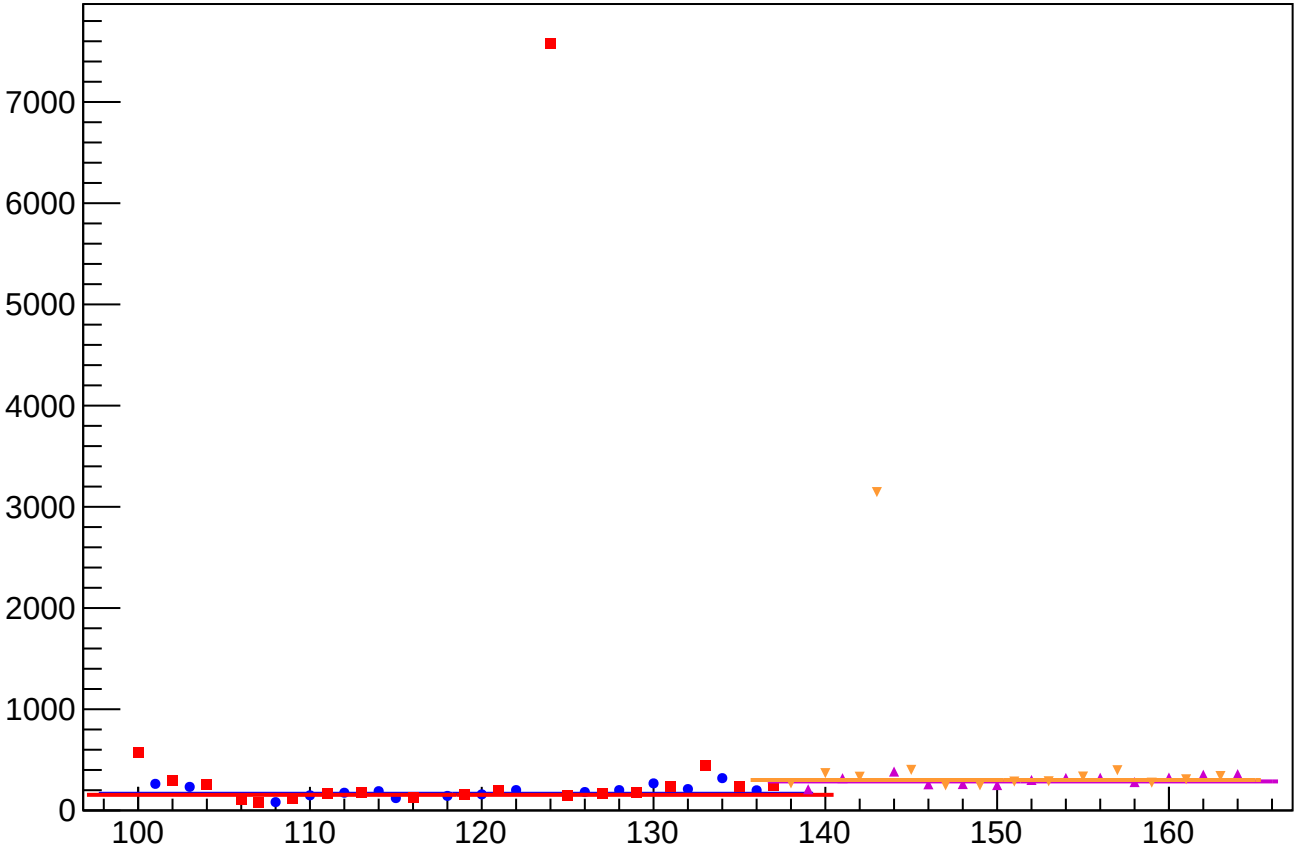
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.033+/-0.038 χ^2/NDF: 65.3/61

- 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: 300.893+/-0.067 χ^2/NDF:1832713.1/13

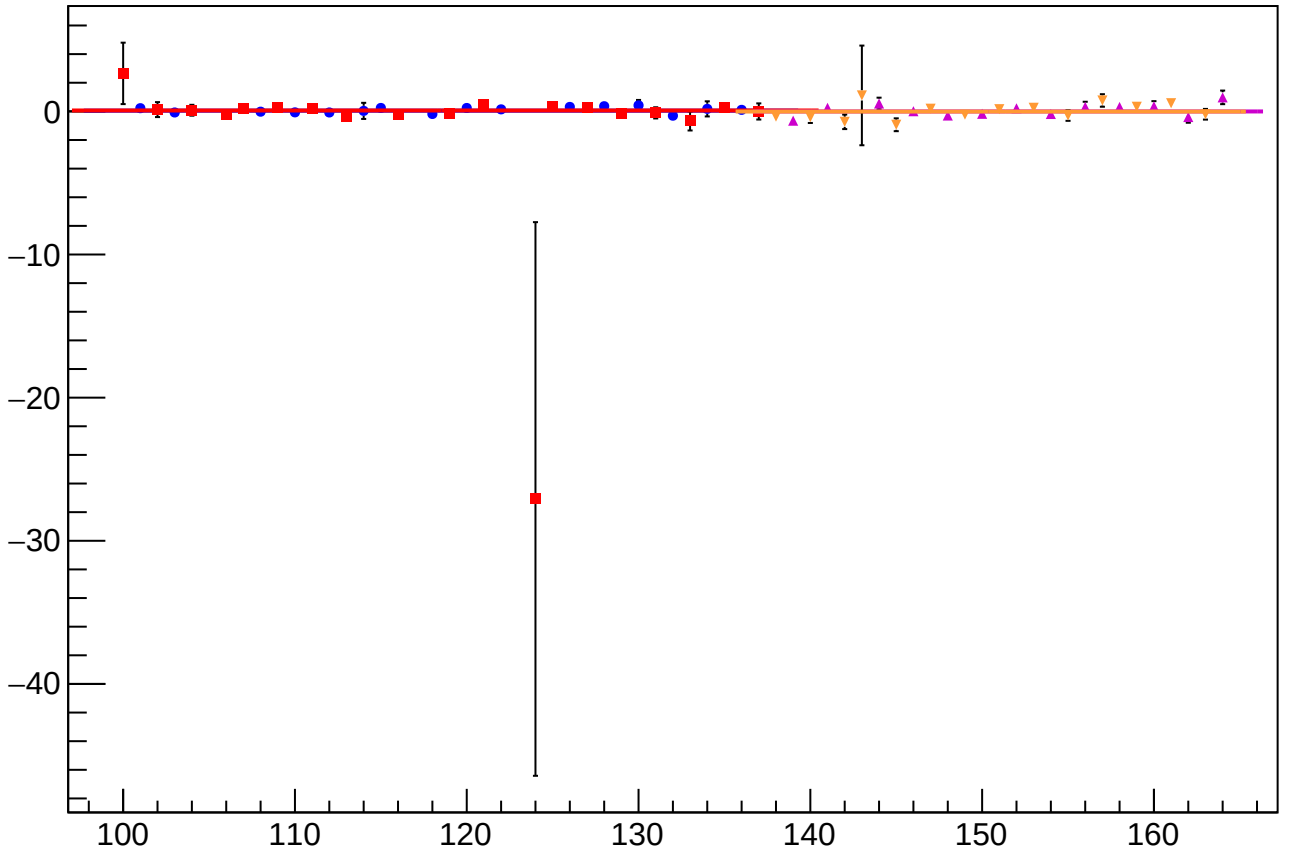
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

+ sign 209.794+/-0.038 χ^2/NDF: 6079490.7/29

All: 204.722+/-0.027 χ^2/NDF: 11536727.9/61

- 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: -0.012+/-0.095 χ^2/NDF:18.7/13

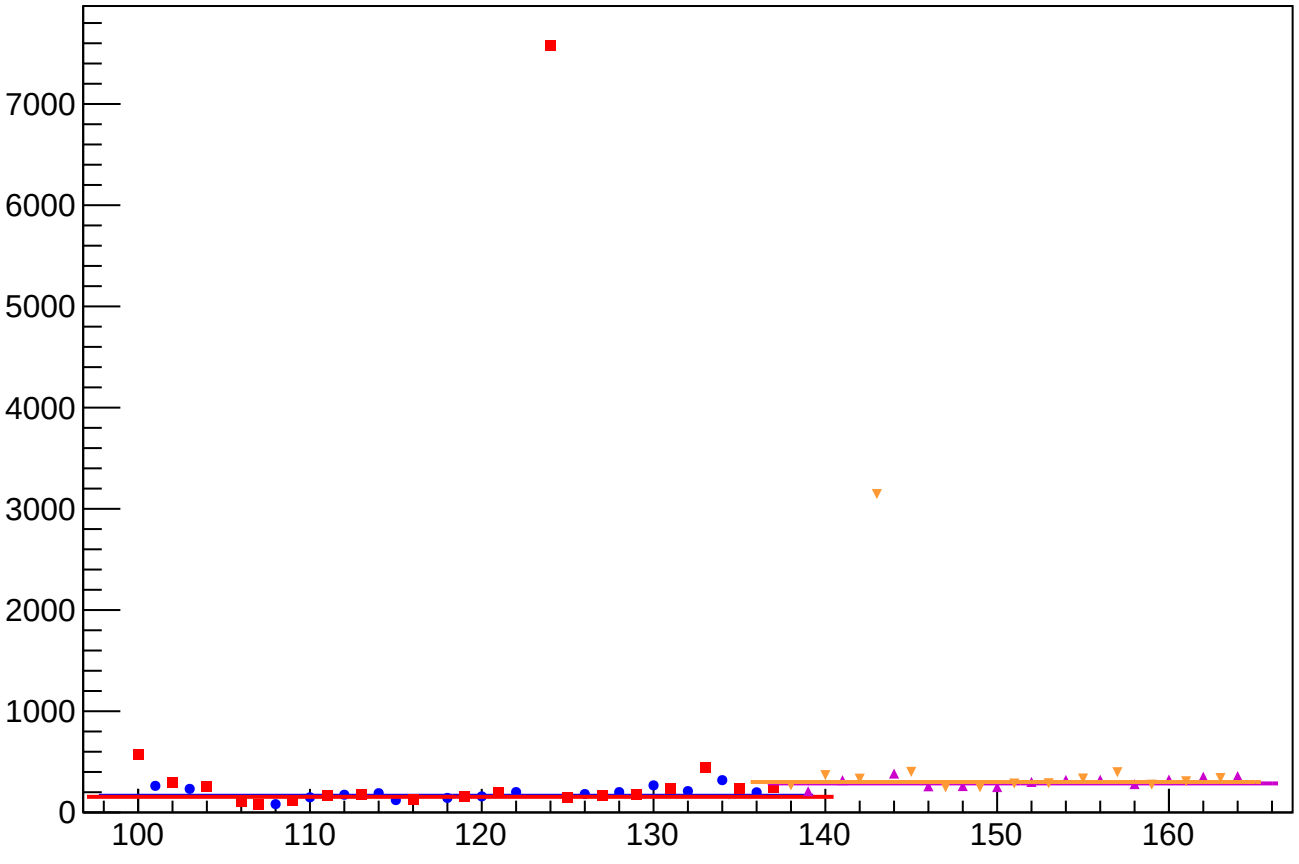
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.033+/-0.038 χ^2/NDF: 65.3/61

- 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: 300.893+/-0.067 χ^2/NDF:1832713.1/13

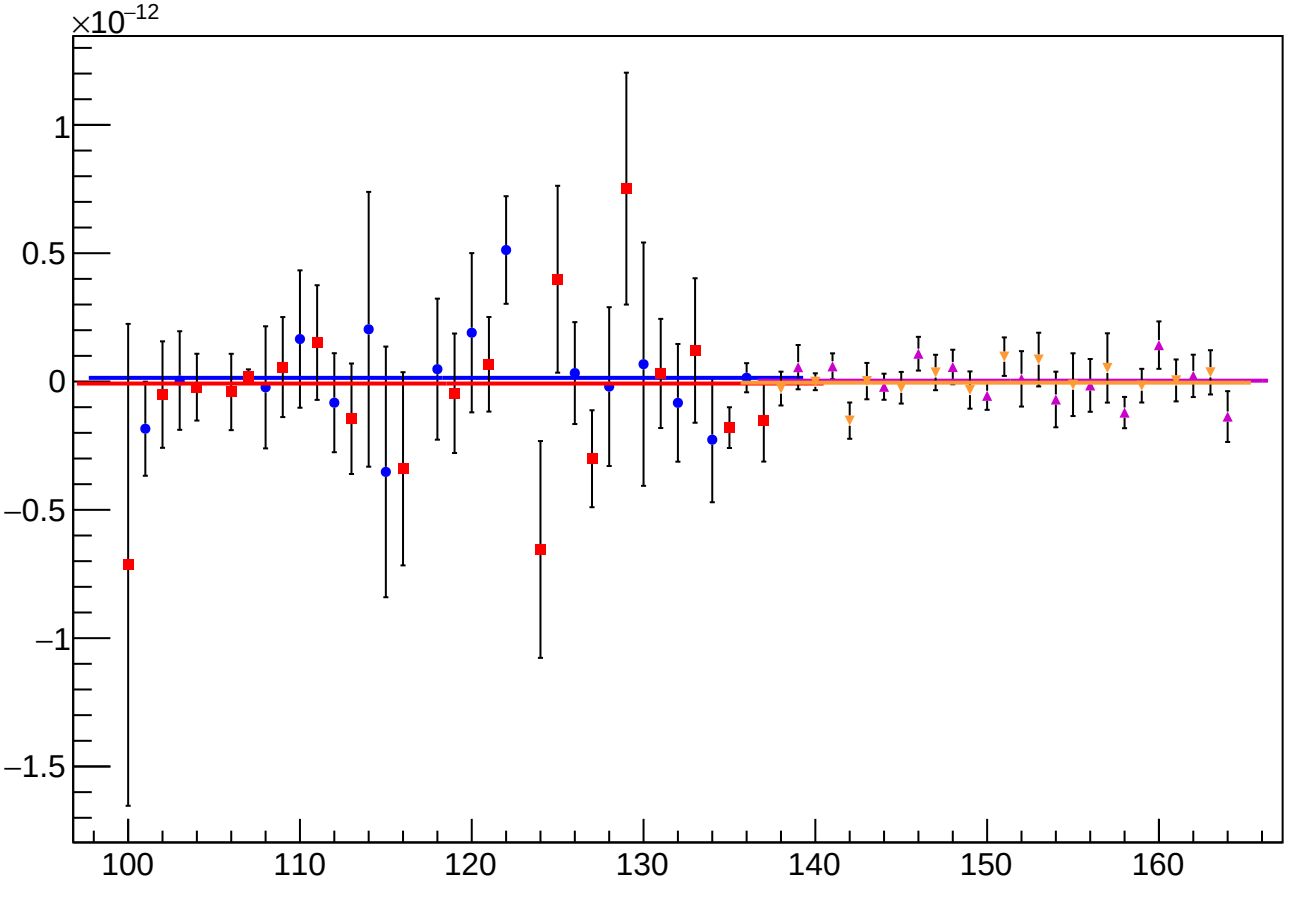
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

+ sign 209.794+/-0.038 χ^2/NDF: 6079490.7/29

All: 204.722+/-0.027 χ^2/NDF: 11536727.9/61

- 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:8.1/13

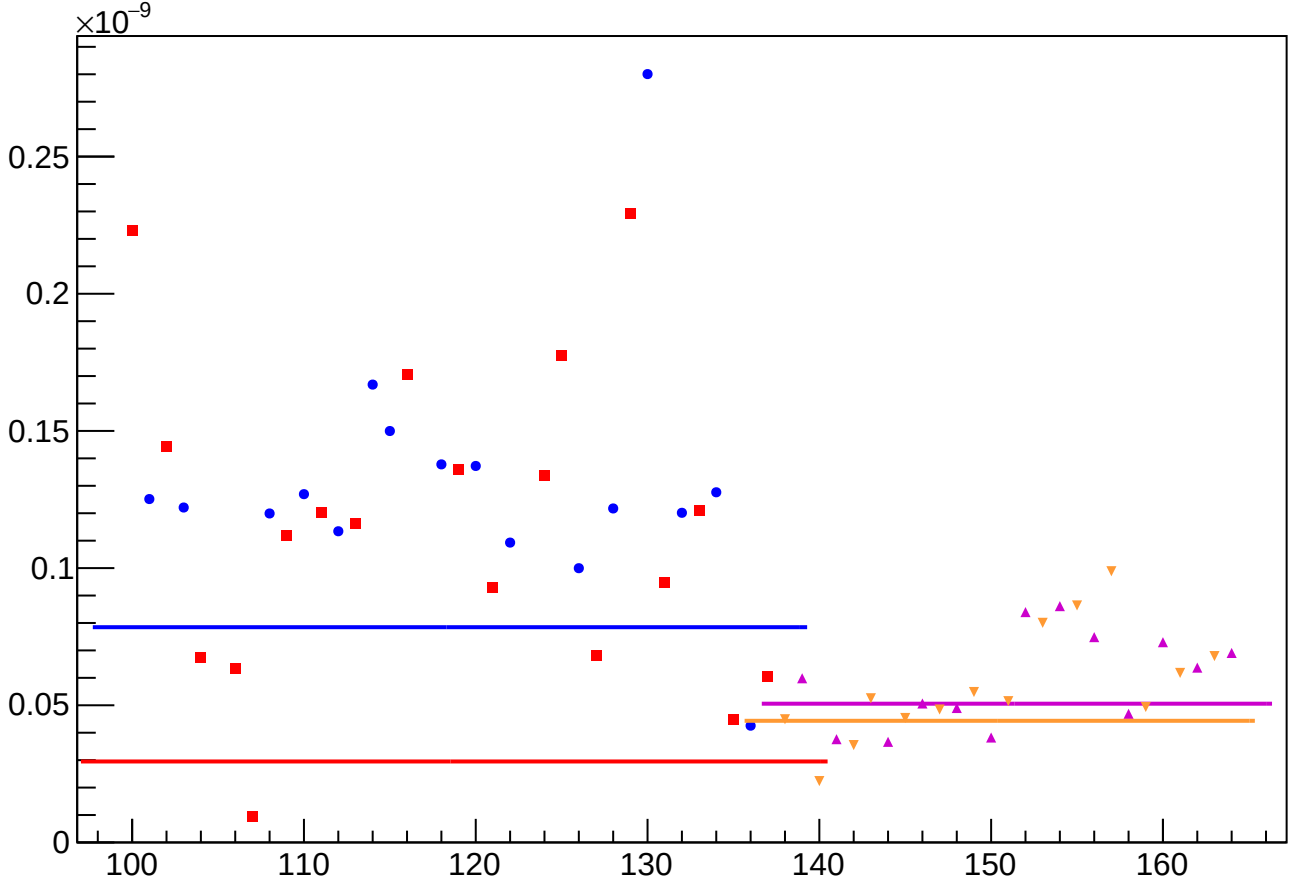
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 17.9/29

All: -0.000+/-0.000 χ^2/NDF: 51.5/61

- 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:2071514.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

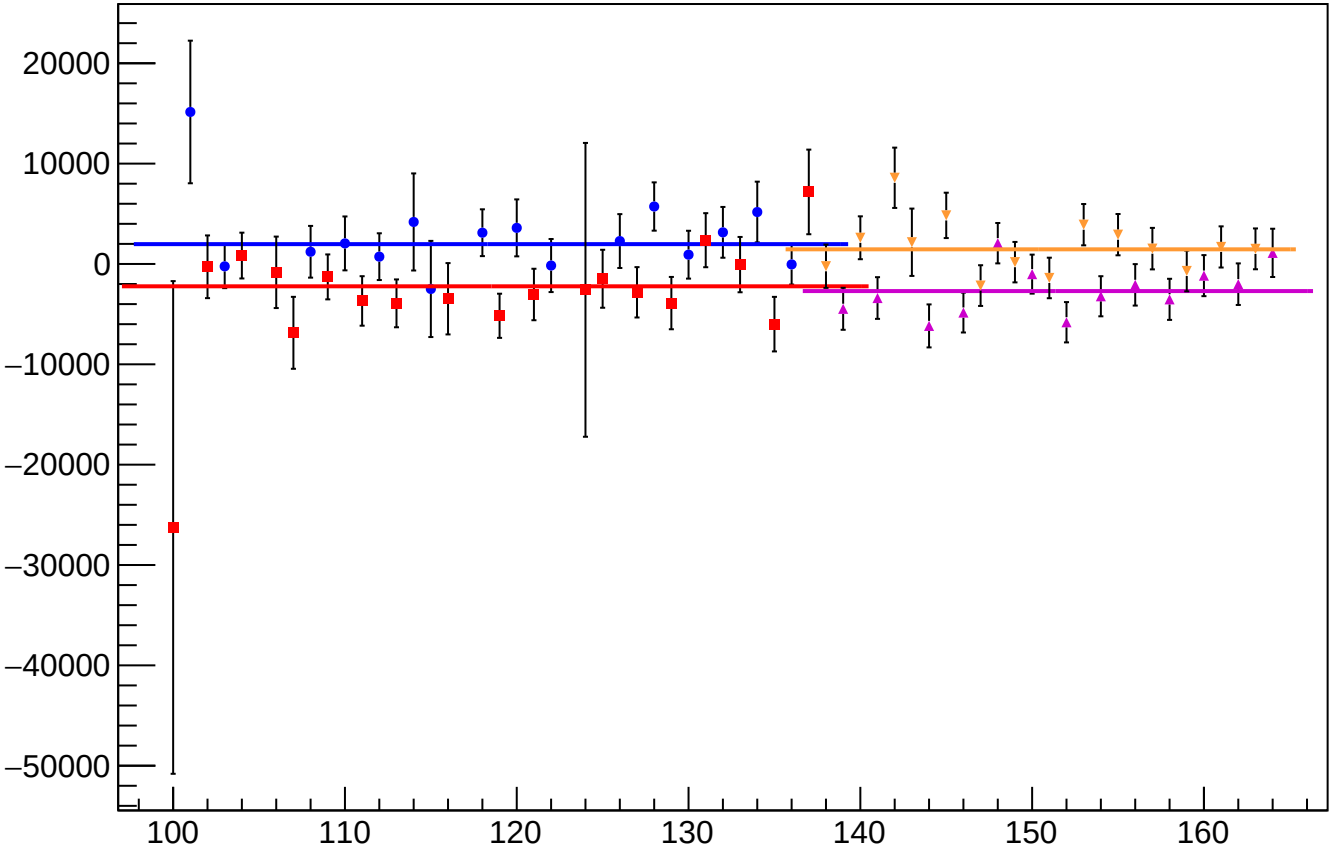
Left In: 0.000+/-0.000 χ^2/NDF:1170128.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 5273650.6/29

All: 0.000+/-0.000 χ^2/NDF: 13152035.3/61

- 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: 1458.411+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

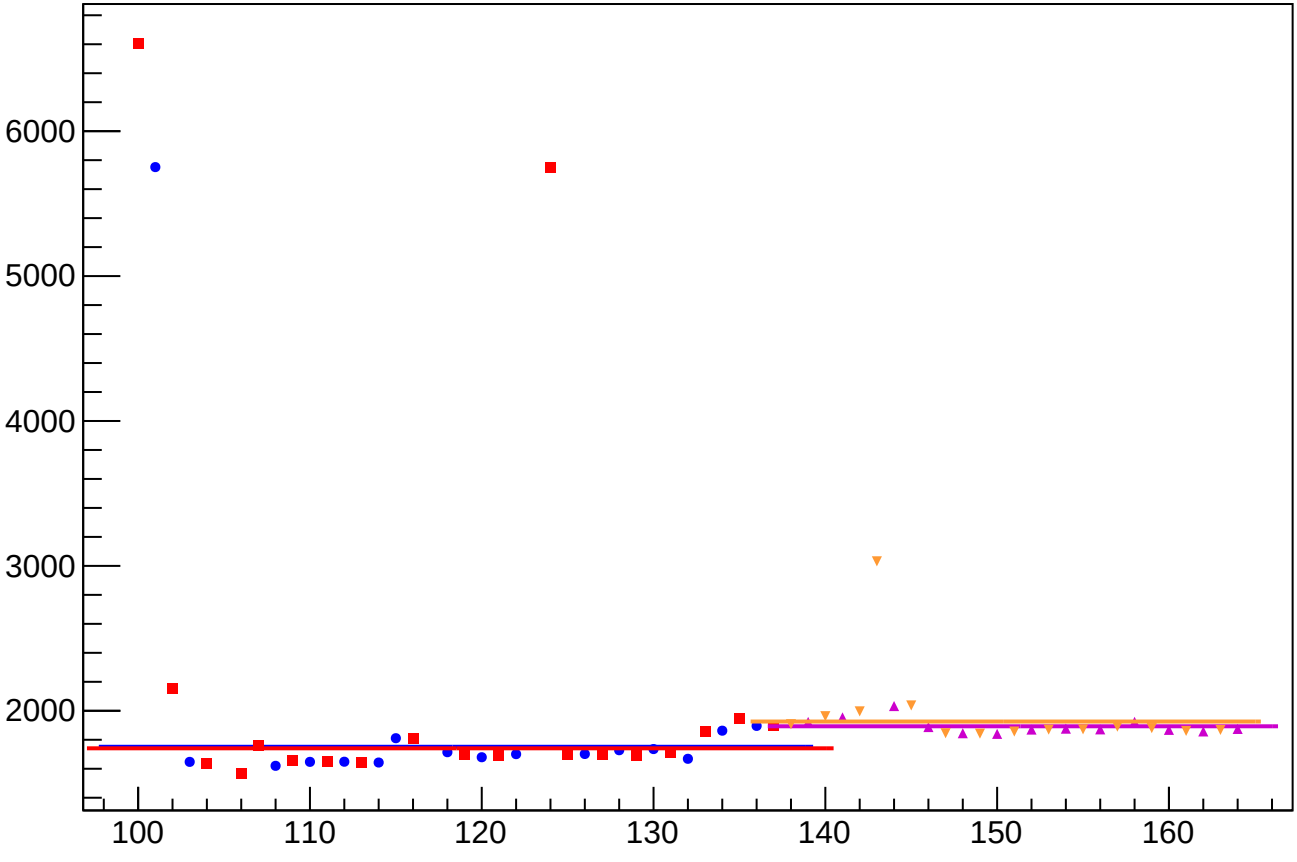
Left In: -2701.523+/-571.760 χ^2/NDF:16.9/12

+ sign 1680.336+/-437.092 χ^2/NDF: 29.9/29

All: -436.848+/-306.931 χ^2/NDF: 112.4/61

- 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: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

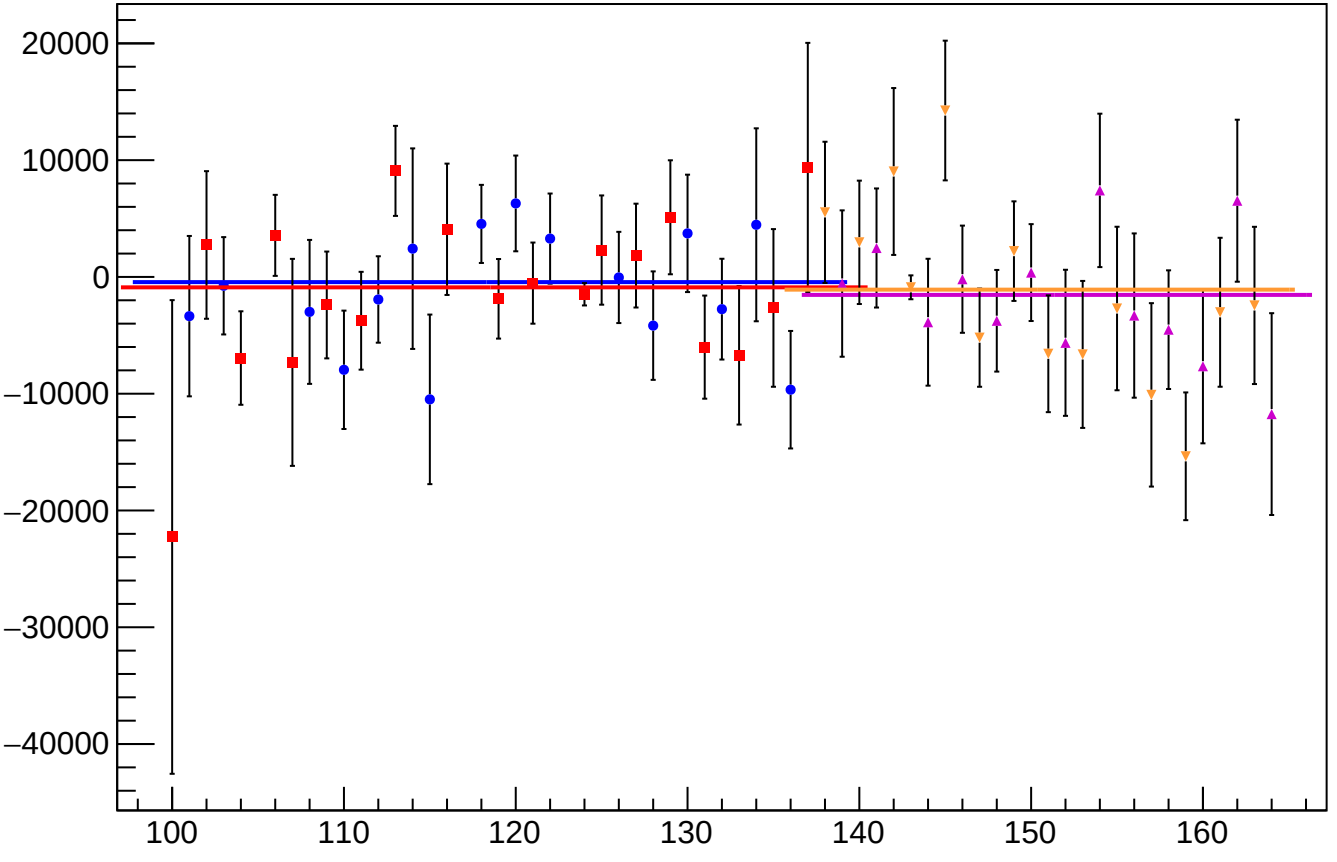
Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1851.203+/-0.309 χ^2/NDF: 989268.7/29

All: 1838.854+/-0.217 χ^2/NDF: 1373850.0/61

- sign 1826.917+/-0.304 χ^2/NDF: 381441.6/31

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1088.216+/-857.246 χ^2/NDF:22.2/13

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

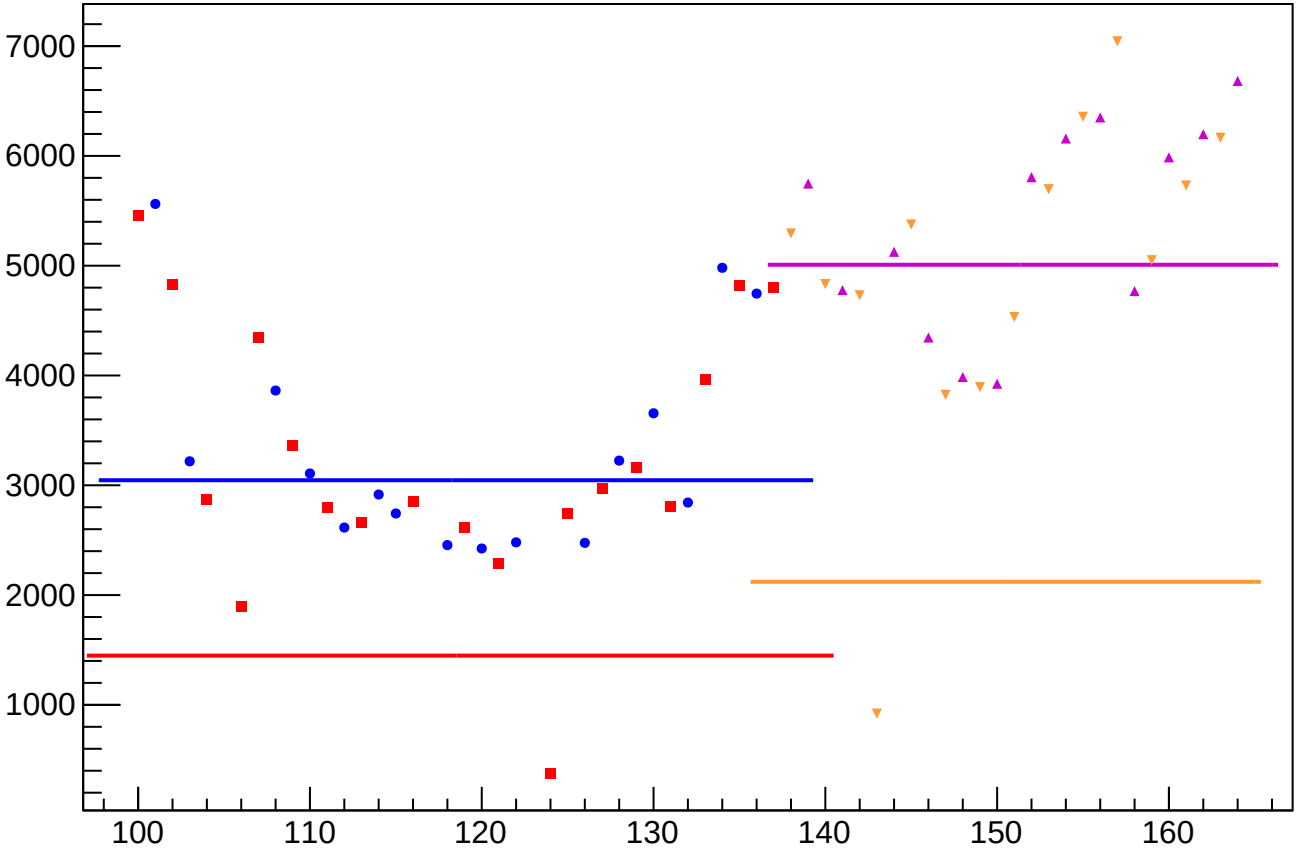
Left In: -1538.308+/-1541.267 χ^2/NDF:7.7/12

+ sign -864.389+/-692.415 χ^2/NDF: 38.4/29

All: -940.789+/-476.440 χ^2/NDF: 66.3/61

- 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: 2120.906+/-0.606 χ^2/NDF:9932128.0/13

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

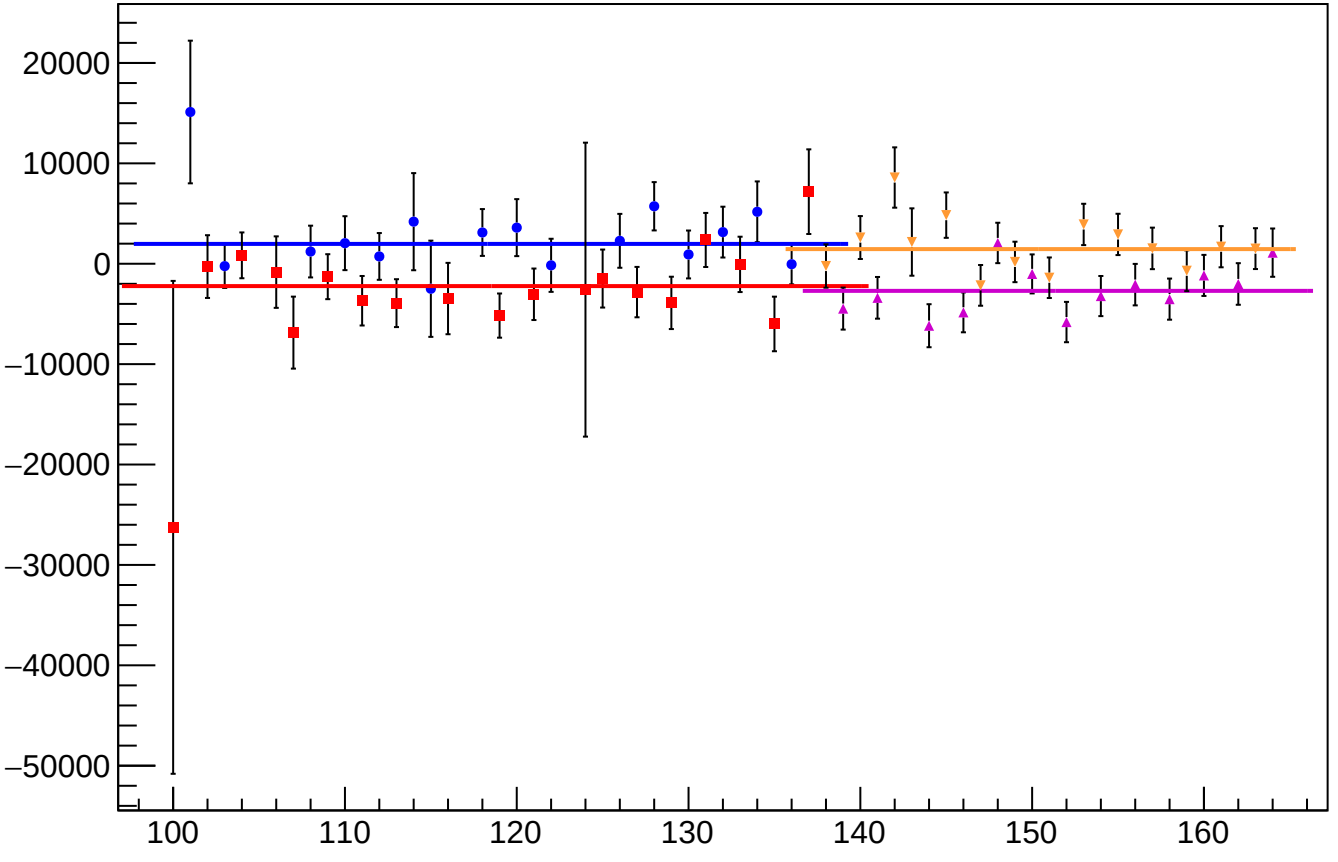
Left In: 5008.600+/-1.090 χ^2/NDF:670222.8/12

+ sign 2442.429+/-0.490 χ^2/NDF: 11648940.8/29

All: 2259.287+/-0.337 χ^2/NDF: 28106014.2/6

- 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: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

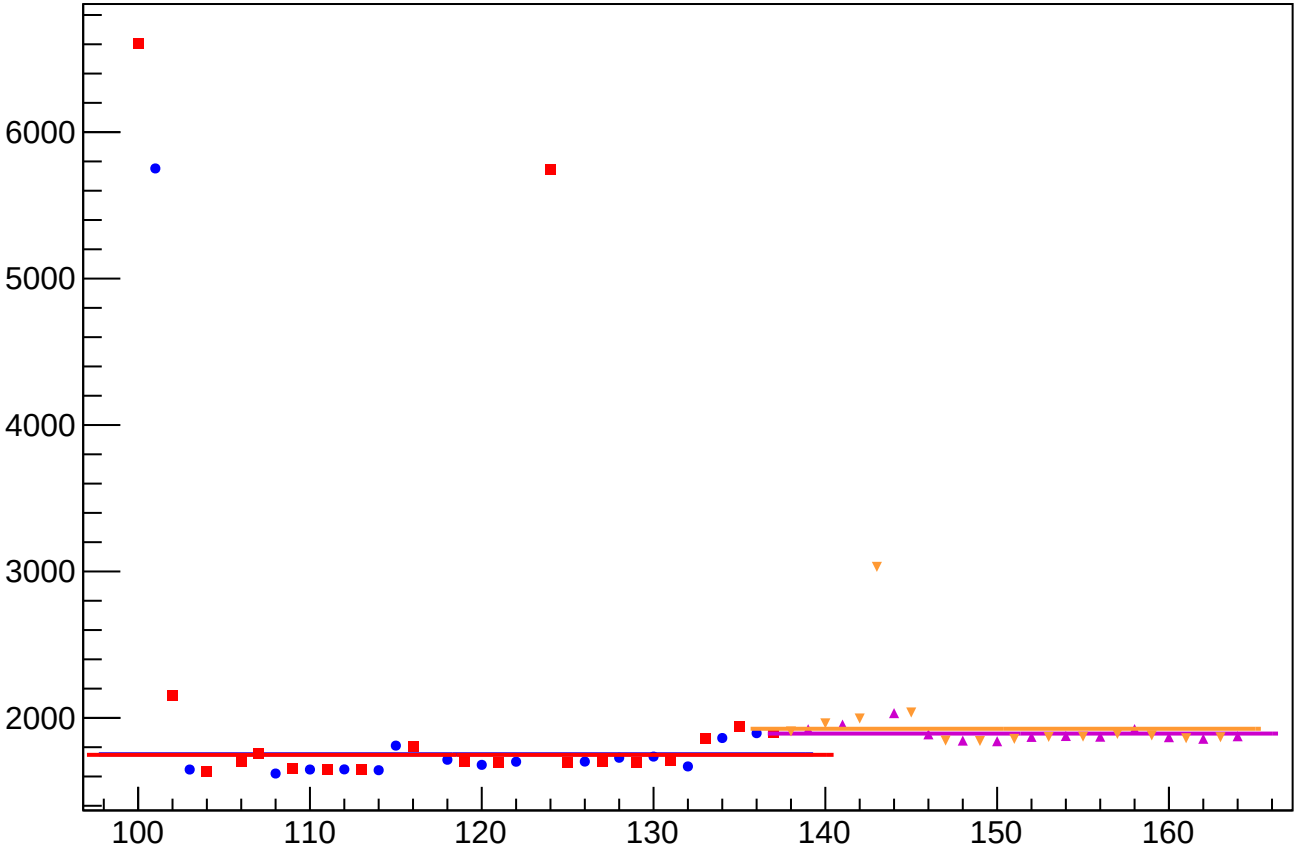
Left In: -2701.622+/-571.760 χ^2/NDF:16.9/12

+ sign 1680.215+/-437.092 χ^2/NDF: 29.9/29

All: -436.958+/-306.931 χ^2/NDF: 112.3/61

- 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: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

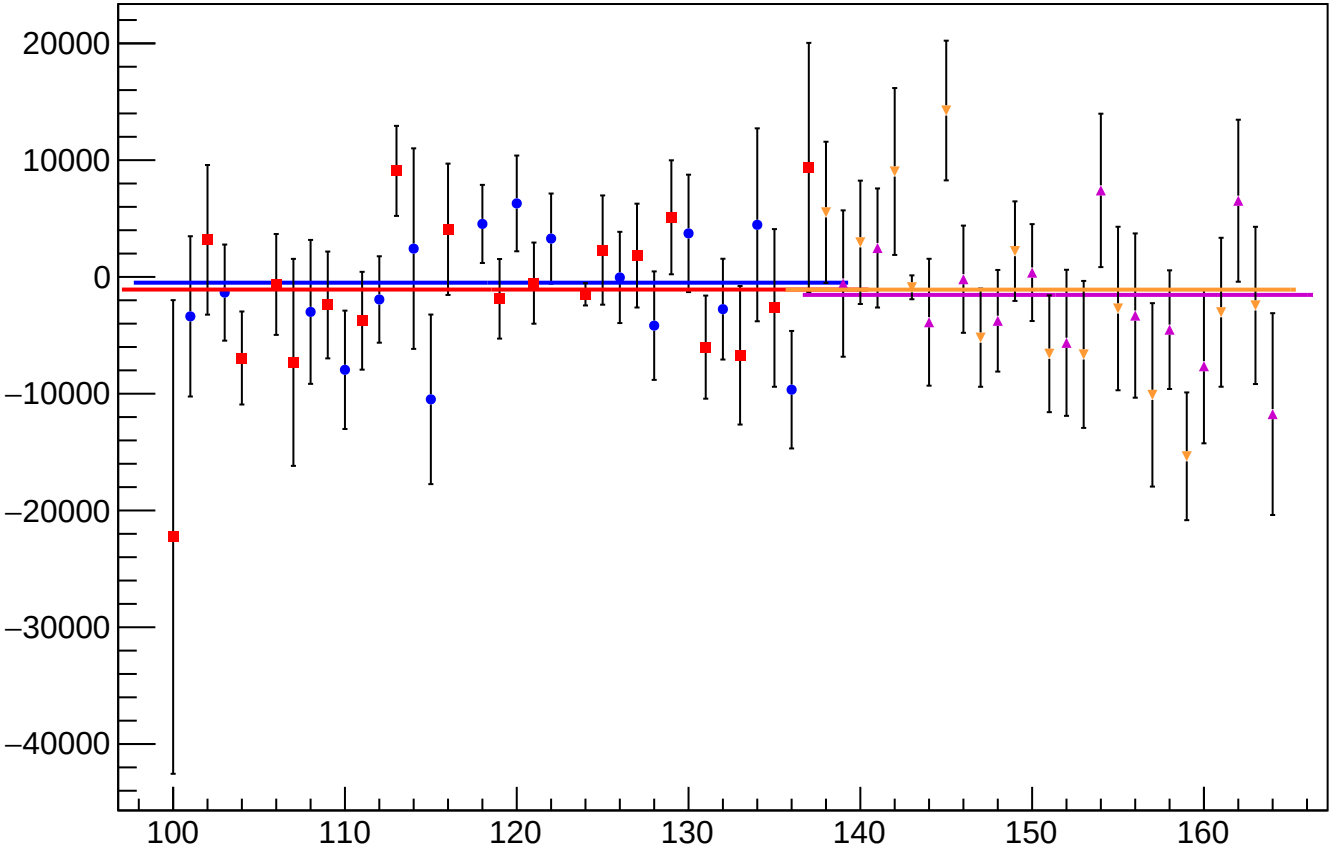
Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1851.203+/-0.309 χ^2/NDF: 989269.2/29

All: 1840.492+/-0.217 χ^2/NDF: 1360779.5/61

- 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: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

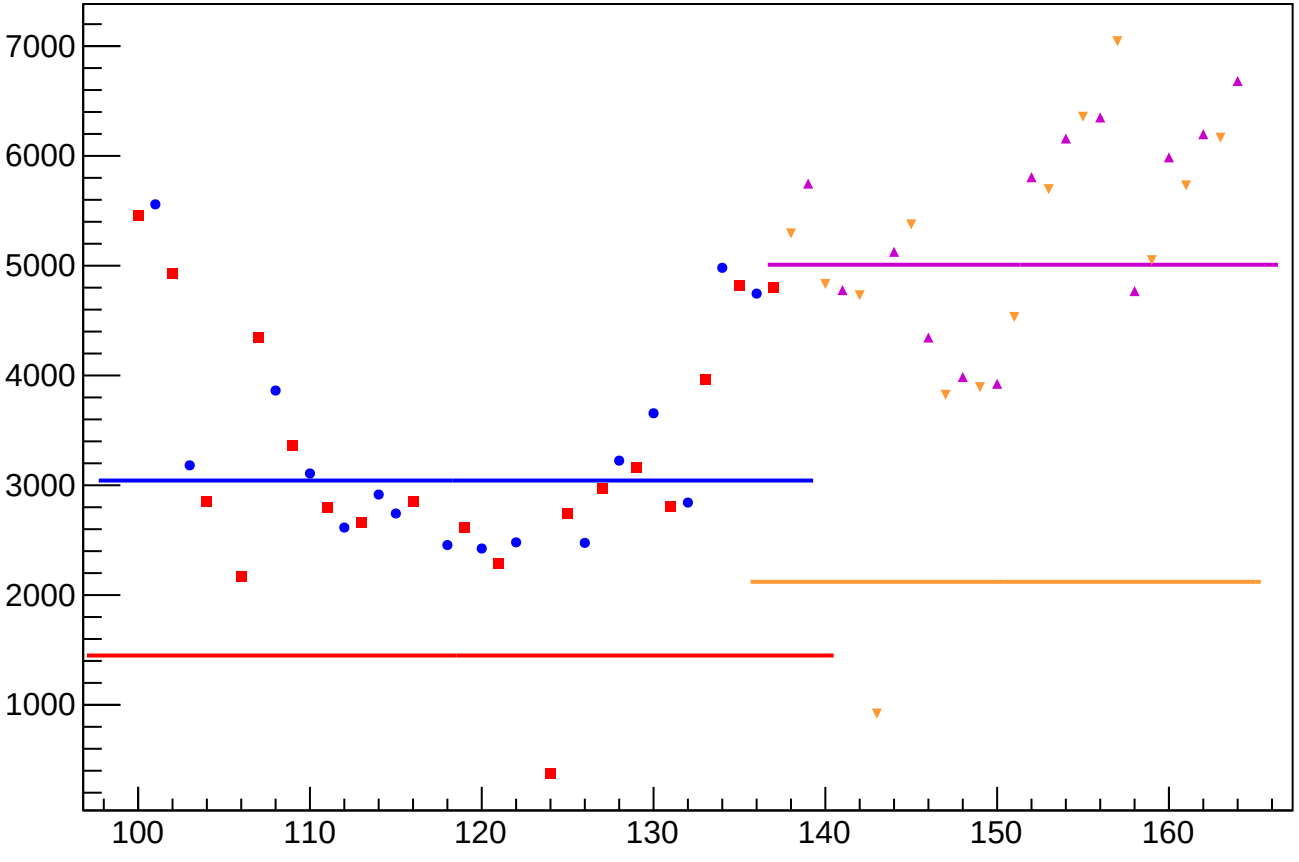
Left In: -1538.387+/-1541.266 χ^2/NDF:7.7/12

+ sign -880.895+/-692.154 χ^2/NDF: 38.4/29

All: -1029.534+/-477.962 χ^2/NDF: 64.7/61

- 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: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

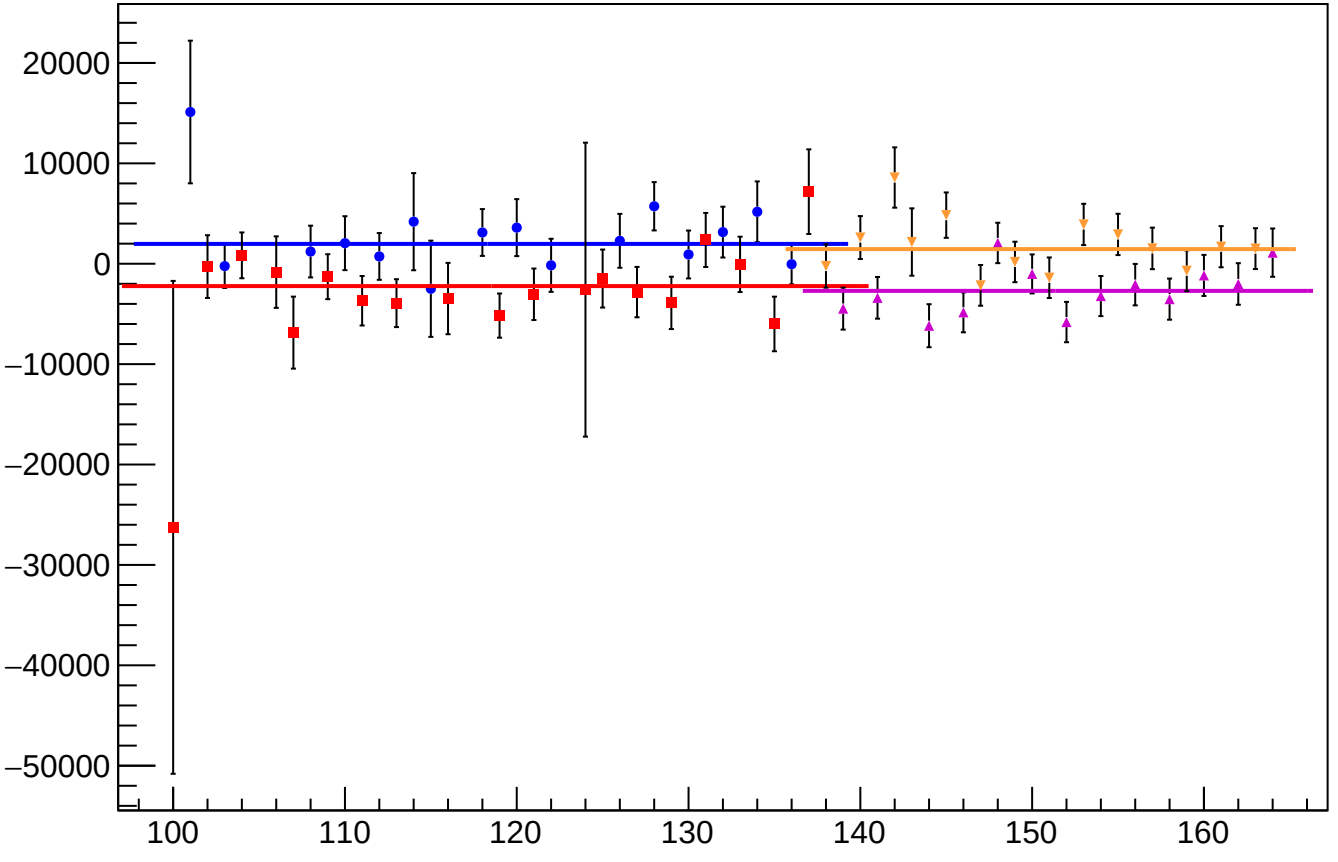
Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

+ sign 2441.866+/-0.489 χ^2/NDF: 11644251.5/29

All: 2264.990+/-0.338 χ^2/NDF: 28094141.7/6

- 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: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

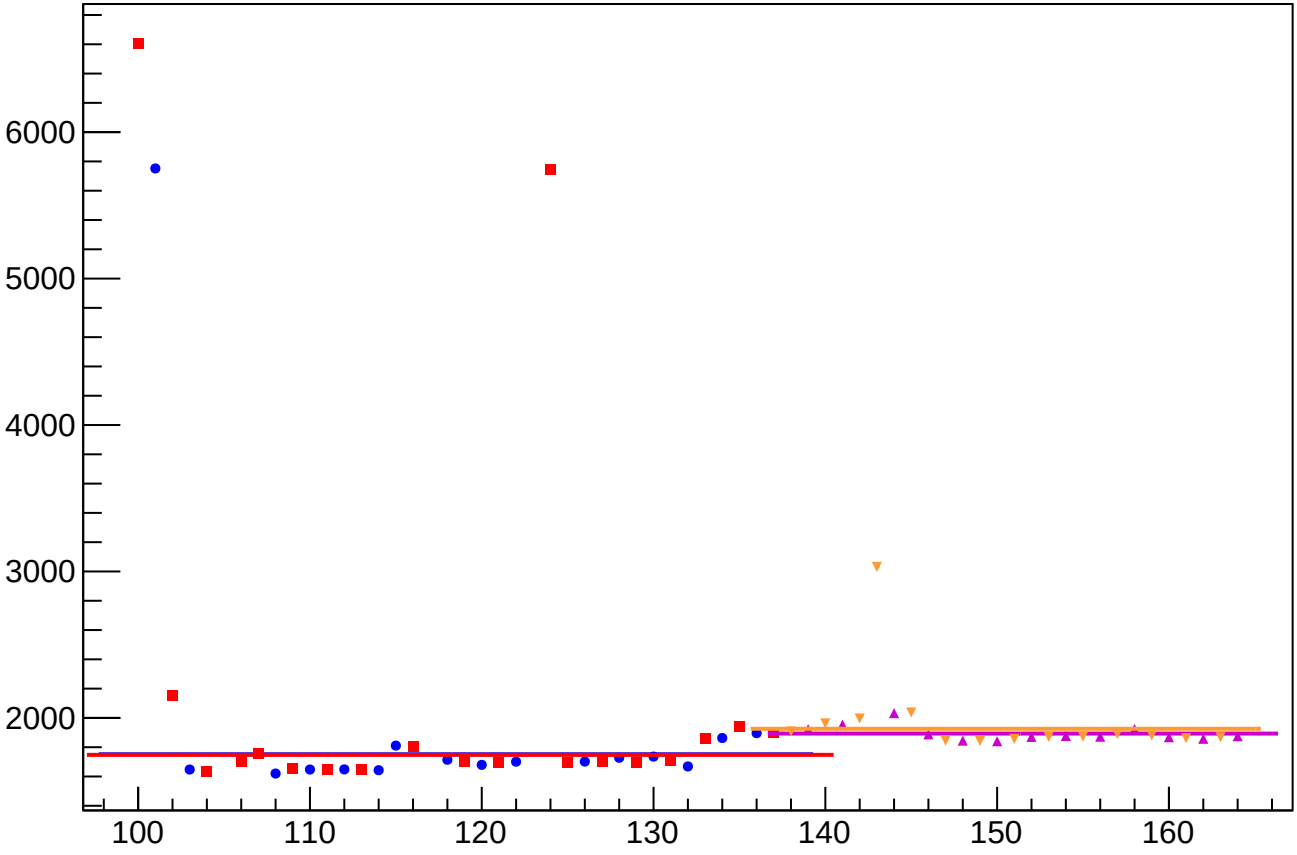
Left In: -2701.622+/-571.760 χ^2/NDF:16.9/12

+ sign 1680.215+/-437.092 χ^2/NDF: 29.9/29

All: -436.958+/-306.931 χ^2/NDF: 112.3/61

- 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: 1925.885+/-0.409 χ^2/NDF:240752.1/13

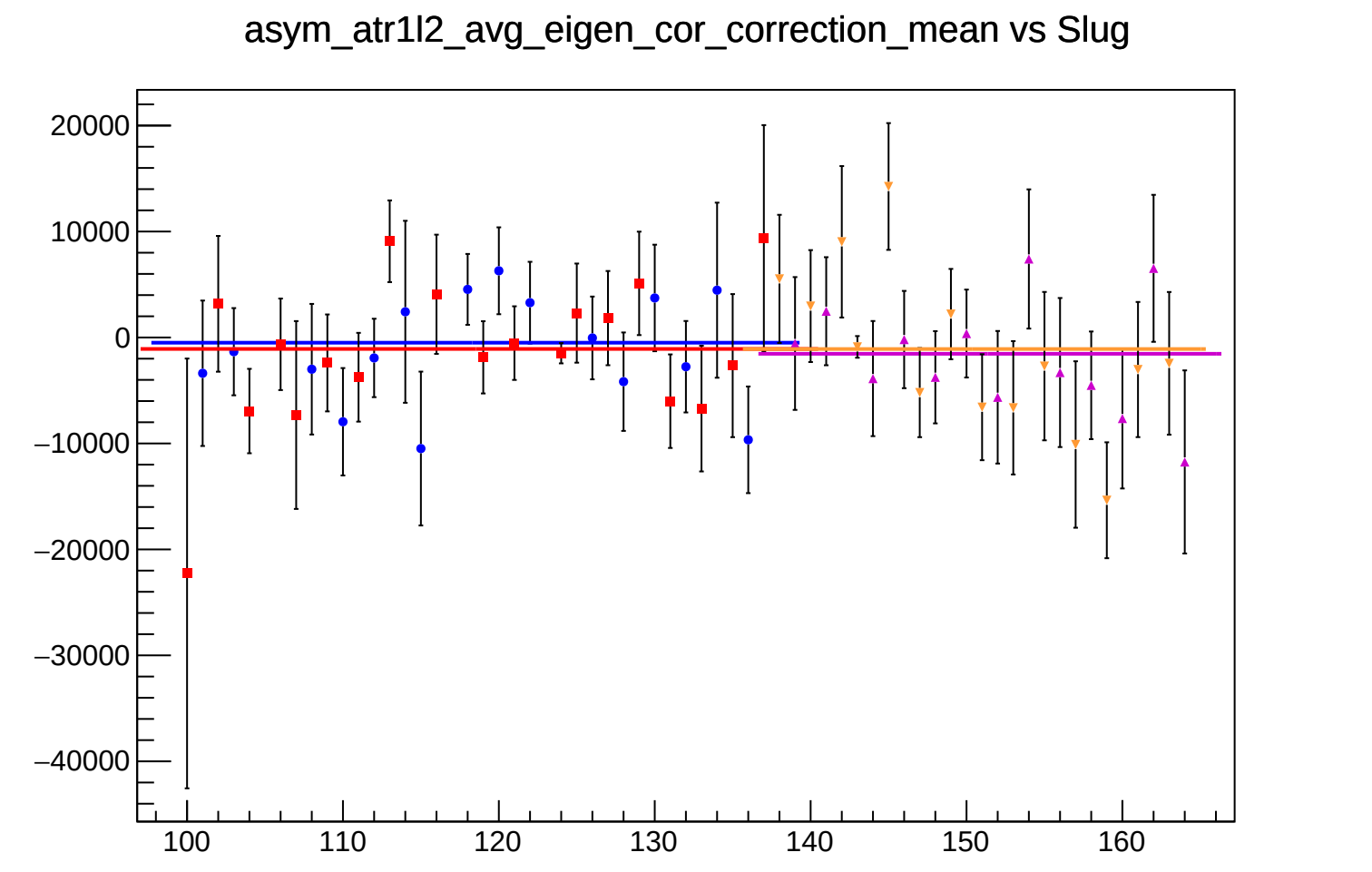
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1851.203+/-0.309 χ^2/NDF: 989269.2/29

All: 1840.492+/-0.217 χ^2/NDF: 1360779.5/61

- 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: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

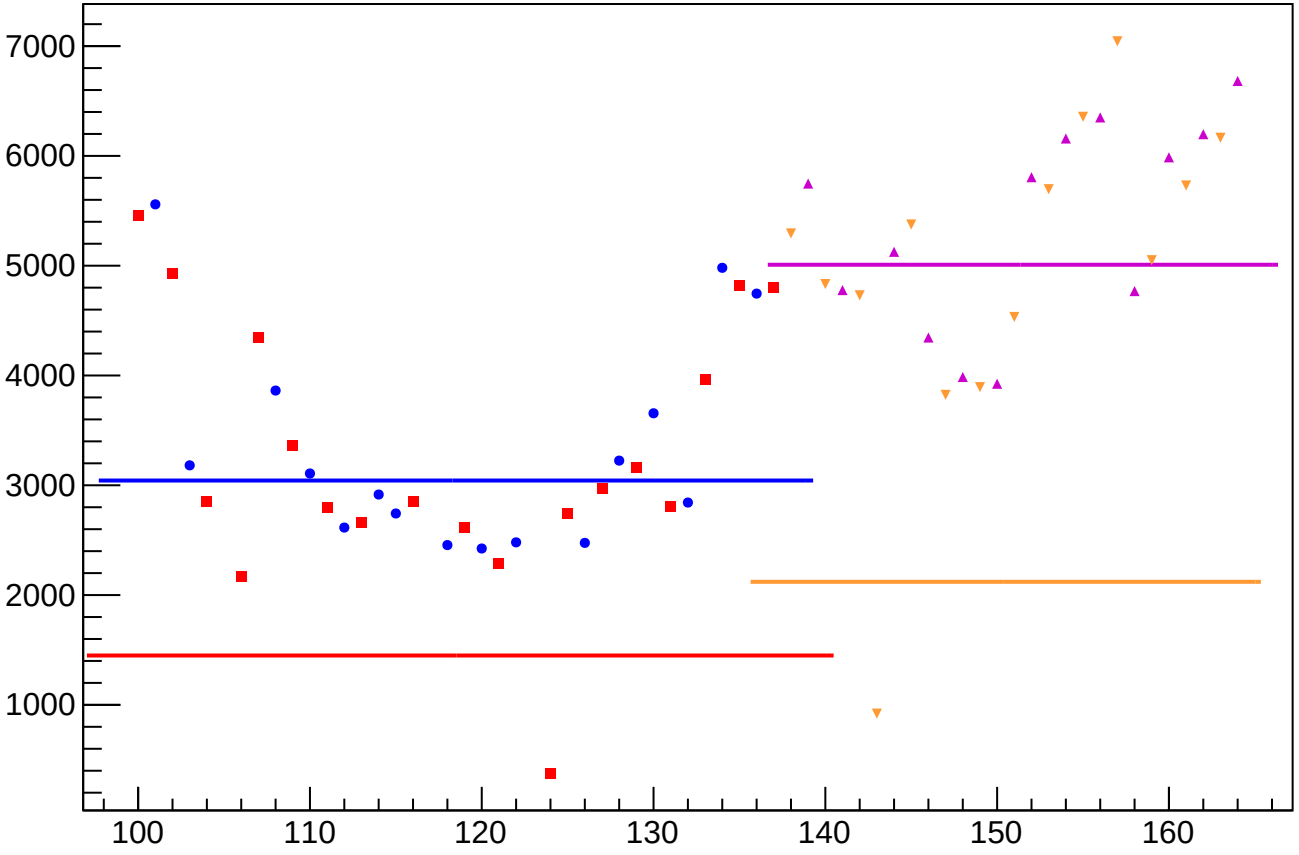
Left In: -1538.387+/-1541.266 χ^2/NDF:7.7/12

+ sign -880.895+/-692.154 χ^2/NDF: 38.4/29

All: -1029.534+/-477.962 χ^2/NDF: 64.7/61

- sign -1165.018+/-660.816 χ^2/NDF: 26.2/31

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

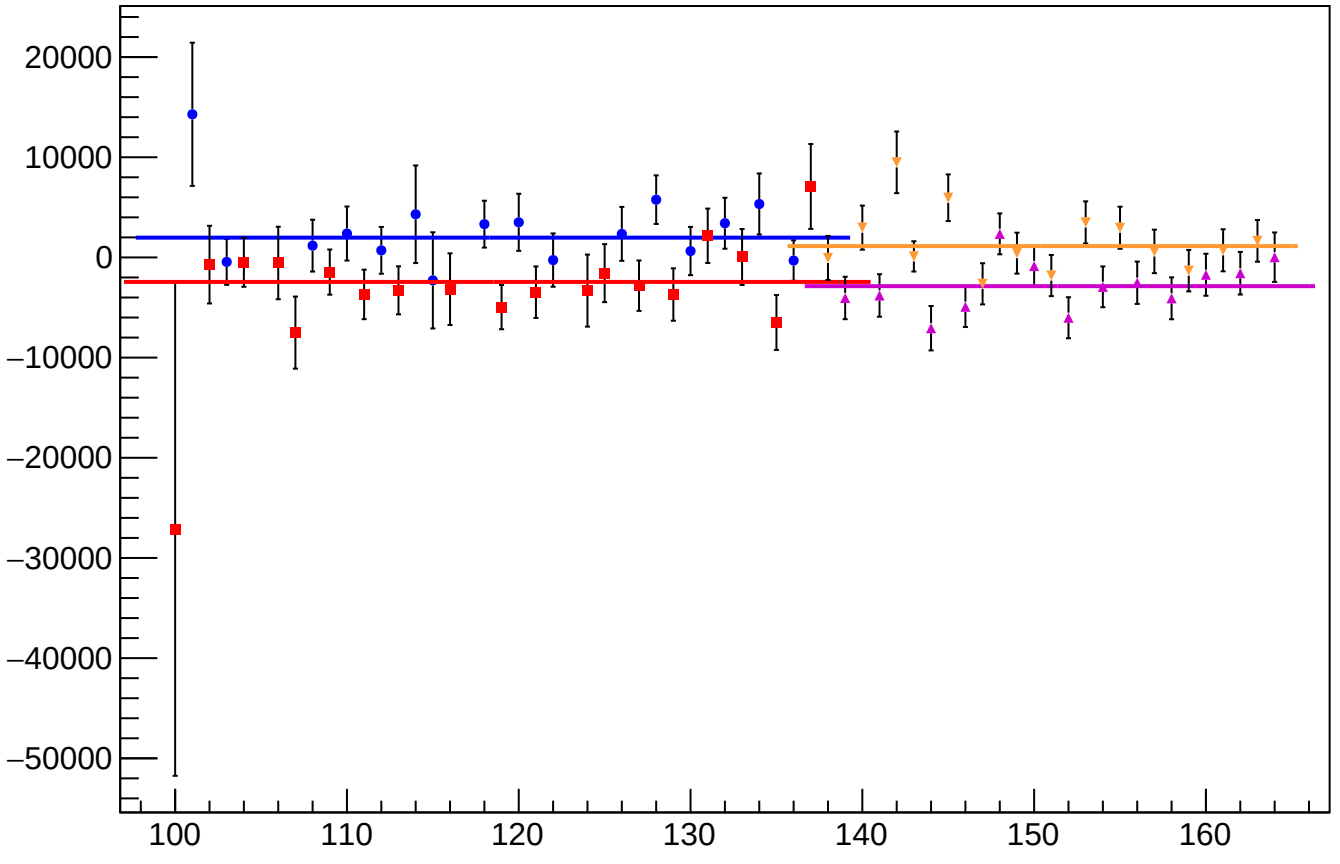
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

+ sign 2441.866+/-0.489 χ^2/NDF: 11644251.5/29

All: 2264.990+/-0.338 χ^2/NDF: 28094141.7/6

- 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: 1130.604+/-557.888 χ^2/NDF:22.3/13

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

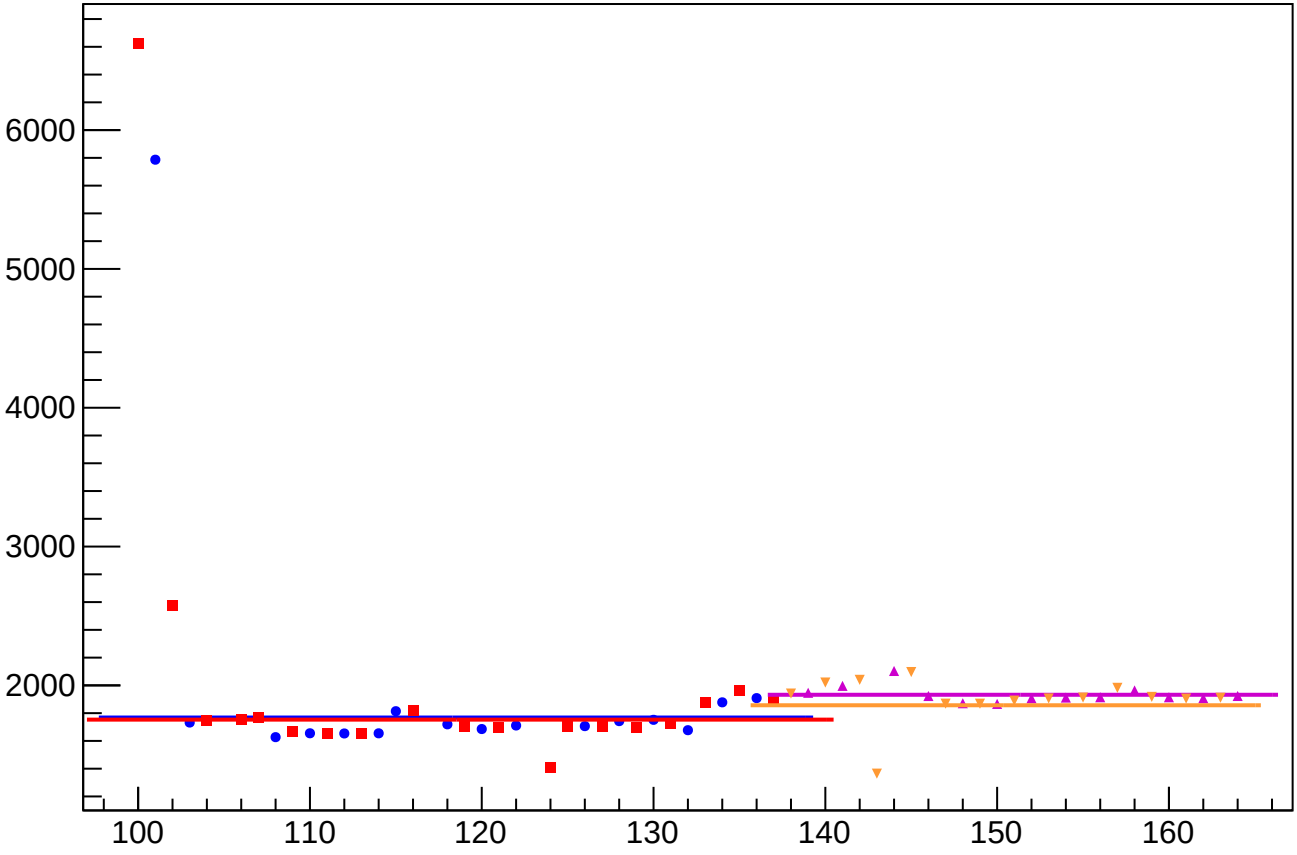
Left In: -2868.157+/-583.720 χ^2/NDF:17.5/12

+ sign 1474.188+/-429.786 χ^2/NDF: 35.6/29

All: -571.043+/-306.275 χ^2/NDF: 116.8/61

- 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: 1856.840+/-0.394 χ^2/NDF:269067.7/13

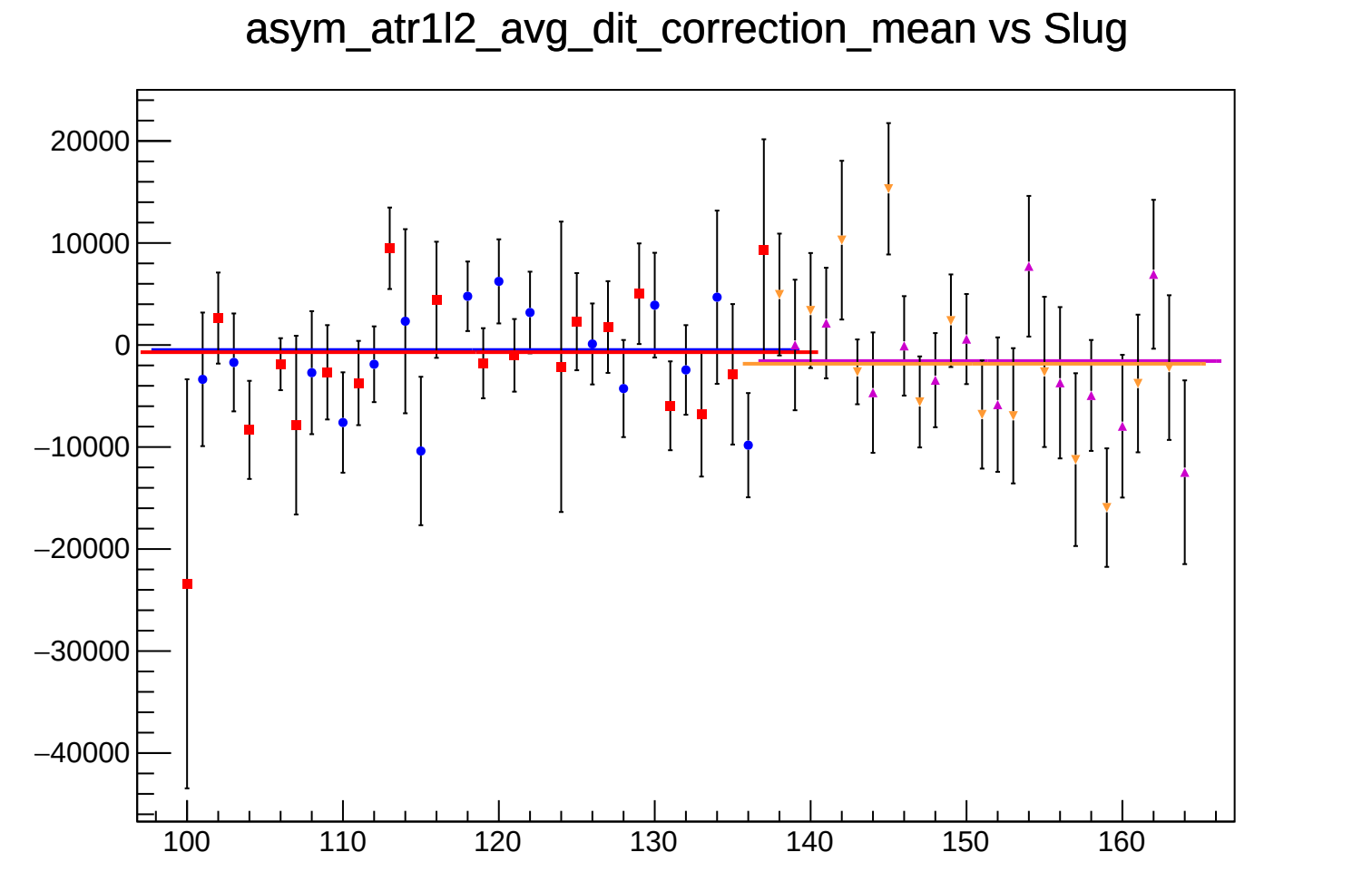
Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1932.396+/-0.413 χ^2/NDF:19475.5/12

+ sign 1820.921+/-0.304 χ^2/NDF: 956830.1/29

All: 1836.867+/-0.216 χ^2/NDF: 1283887.1/61

- sign 1853.282+/-0.308 χ^2/NDF: 321469.5/31



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1837.977+/-1474.008 χ^2/NDF:22.0/13

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

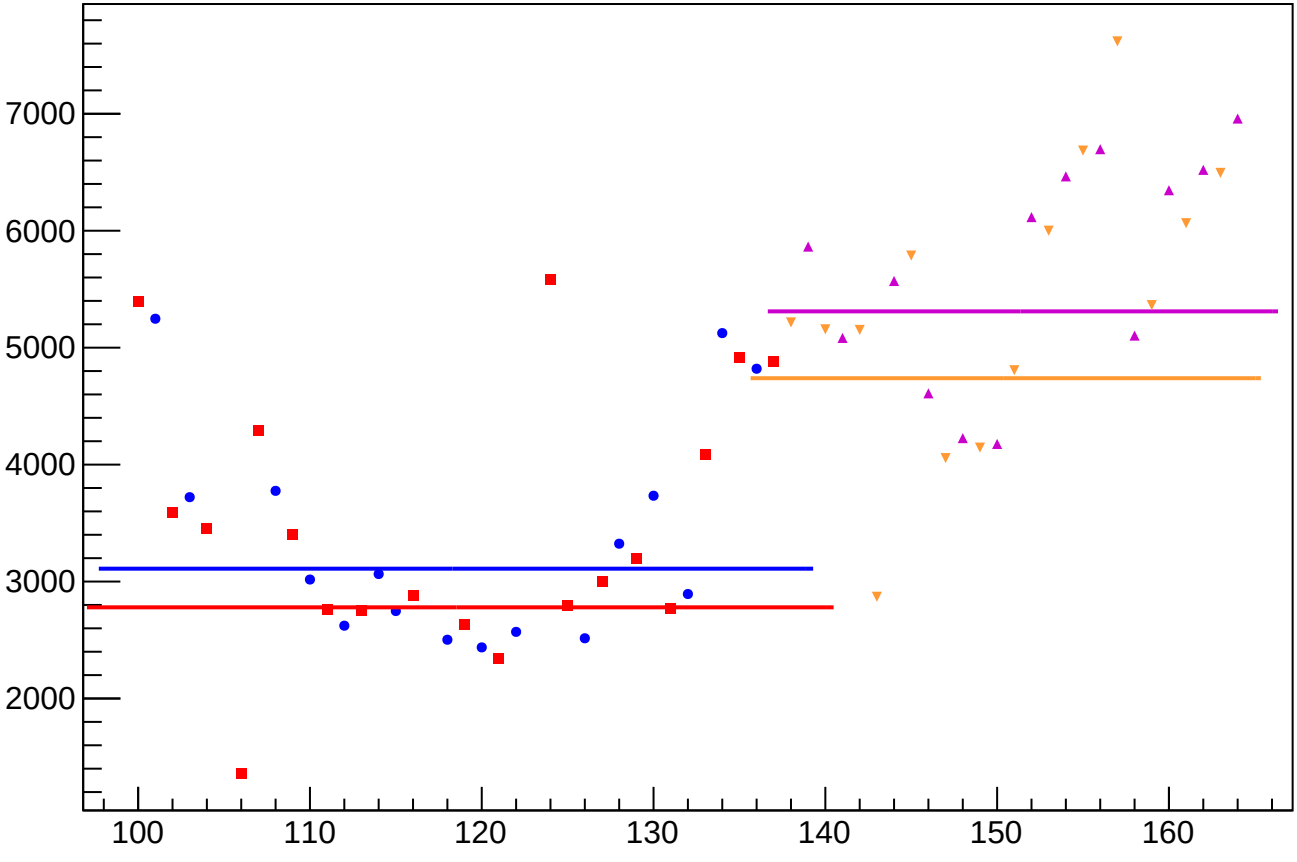
Left In: -1570.123+/-1632.763 χ^2/NDF:7.7/12

+ sign -1025.349+/-929.907 χ^2/NDF: 38.2/29

All: -993.260+/-644.712 χ^2/NDF: 65.0/61

- 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: 4738.814+/-1.042 χ^2/NDF:1522769.8/13

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

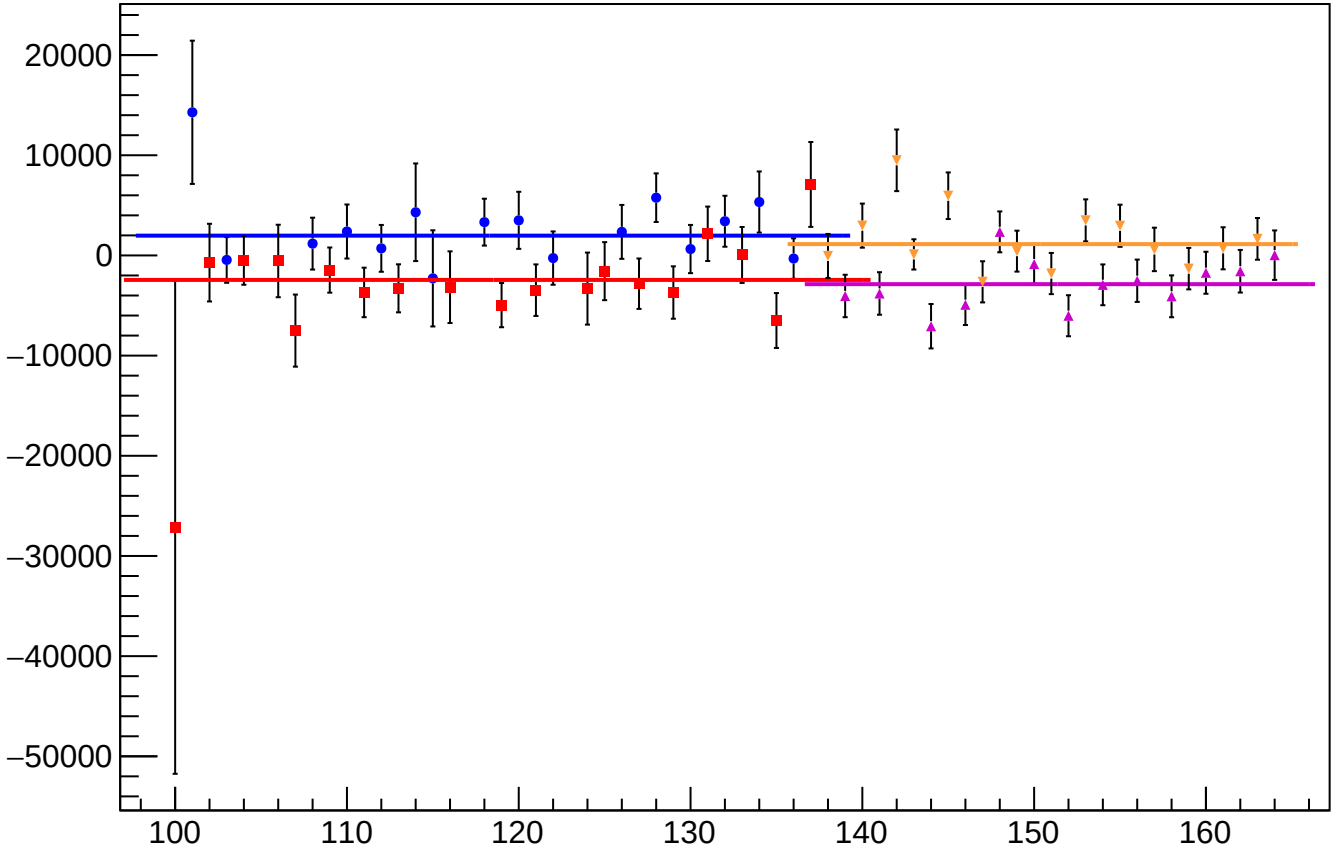
Left In: 5310.374+/-1.155 χ^2/NDF:630611.2/12

+ sign 3758.342+/-0.658 χ^2/NDF: 3875978.6/29

All: 3644.652+/-0.456 χ^2/NDF: 9274611.3/61

- 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: 1130.600+/-557.888 χ^2/NDF:22.3/13

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

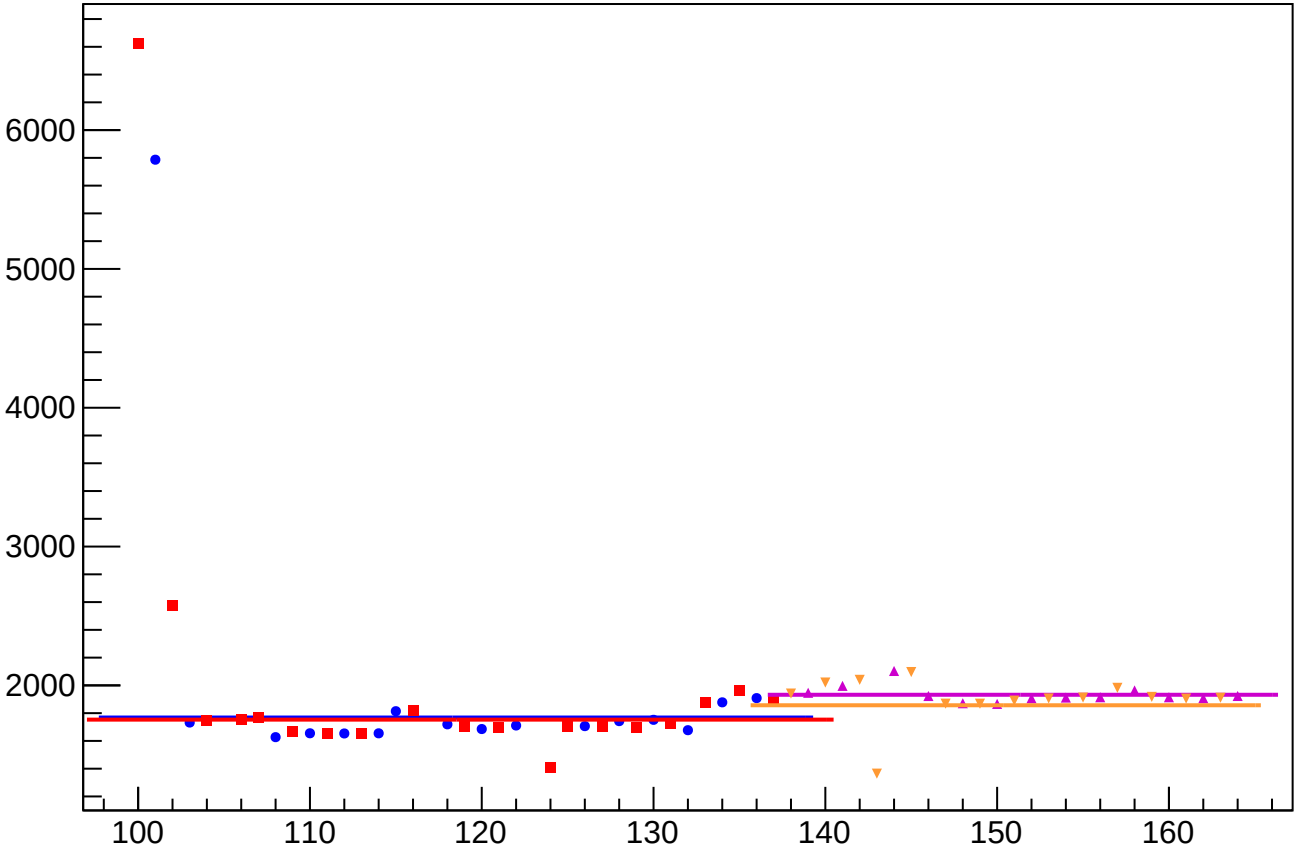
Left In: -2868.157+/-583.721 χ^2/NDF:17.5/12

+ sign 1474.187+/-429.786 χ^2/NDF: 35.6/29

All: -571.043+/-306.275 χ^2/NDF: 116.8/61

- 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: 1856.841+/-0.394 χ^2/NDF:269069.1/13

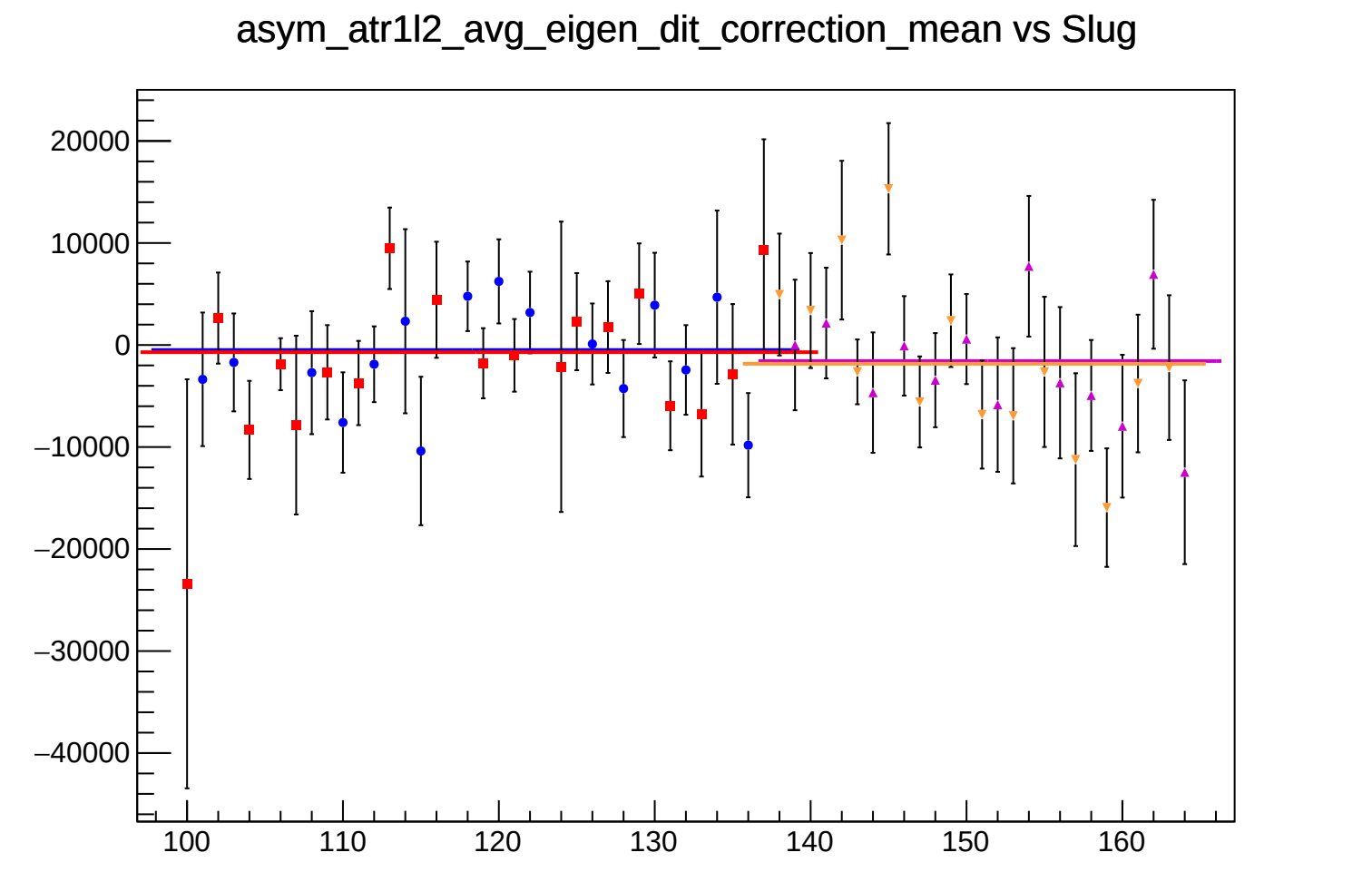
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.397+/-0.413 χ^2/NDF:19475.7/12

+ sign 1820.921+/-0.304 χ^2/NDF: 956831.9/29

All: 1836.868+/-0.216 χ^2/NDF: 1283890.3/61

- 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: -1837.983+/-1474.010 χ^2/NDF:22.0/13

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

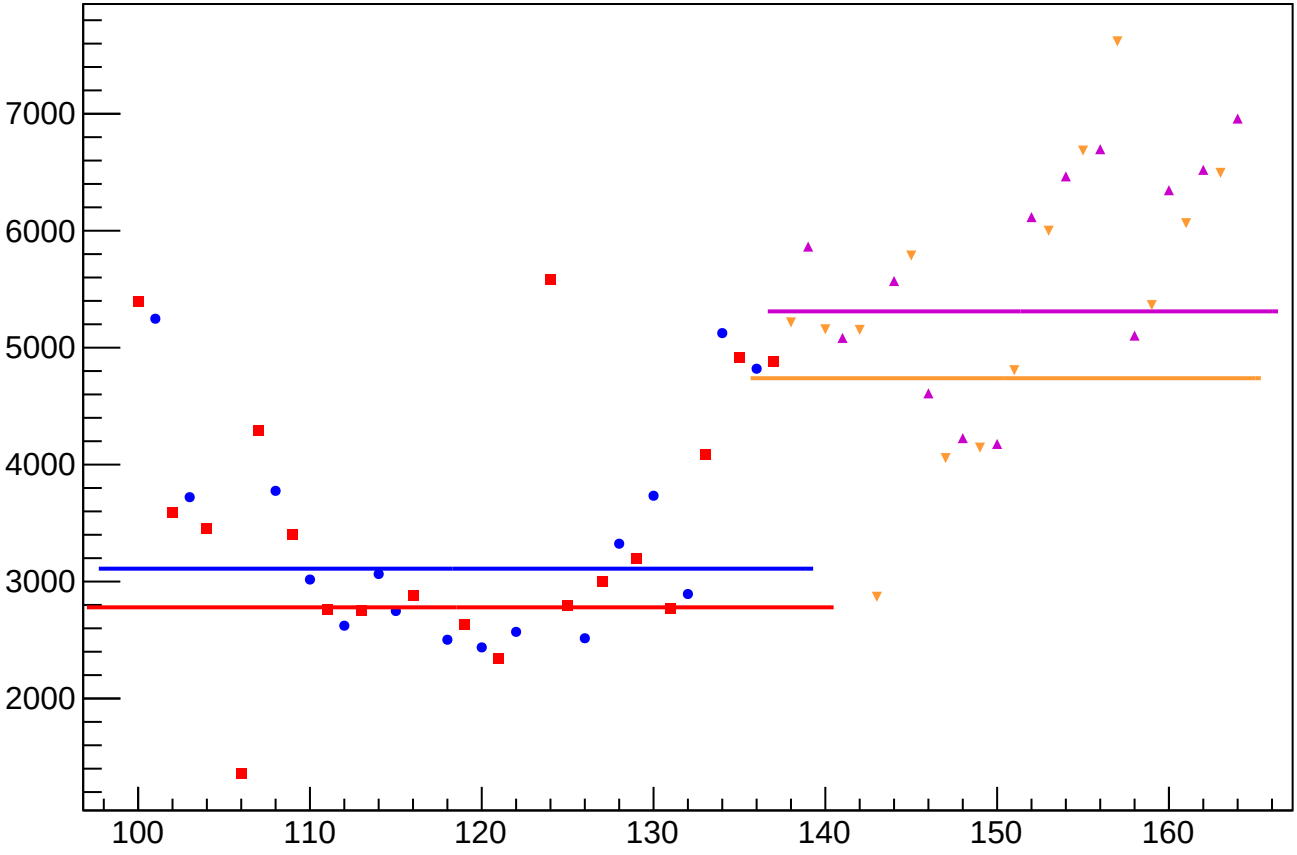
Left In: -1570.123+/-1632.765 χ^2/NDF:7.7/12

+ sign -1025.345+/-929.906 χ^2/NDF: 38.2/29

All: -993.257+/-644.711 χ^2/NDF: 65.0/61

- 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: 4738.818+/-1.042 χ^2/NDF:1522776.7/13

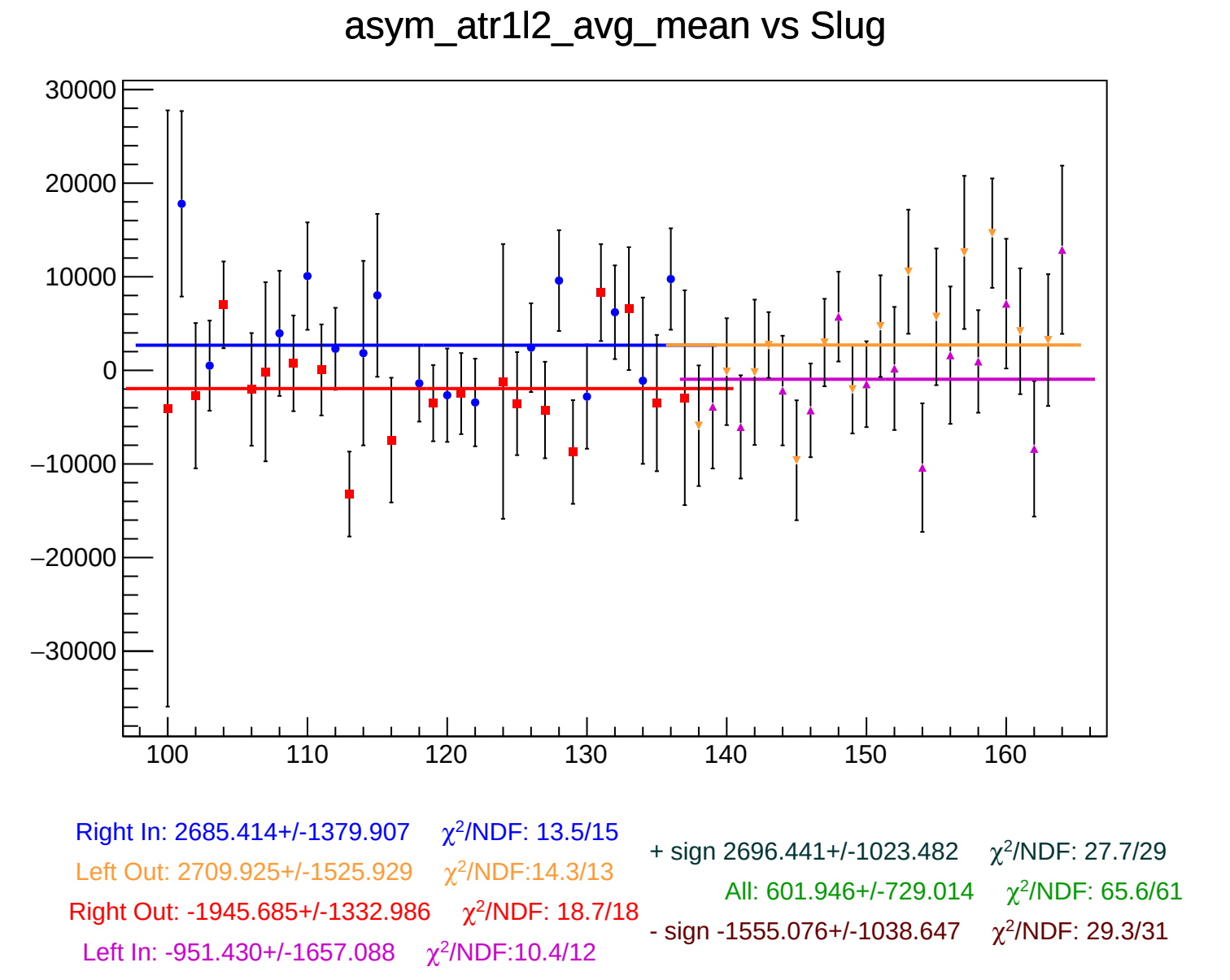
Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5310.380+/-1.155 χ^2/NDF:630614.9/12

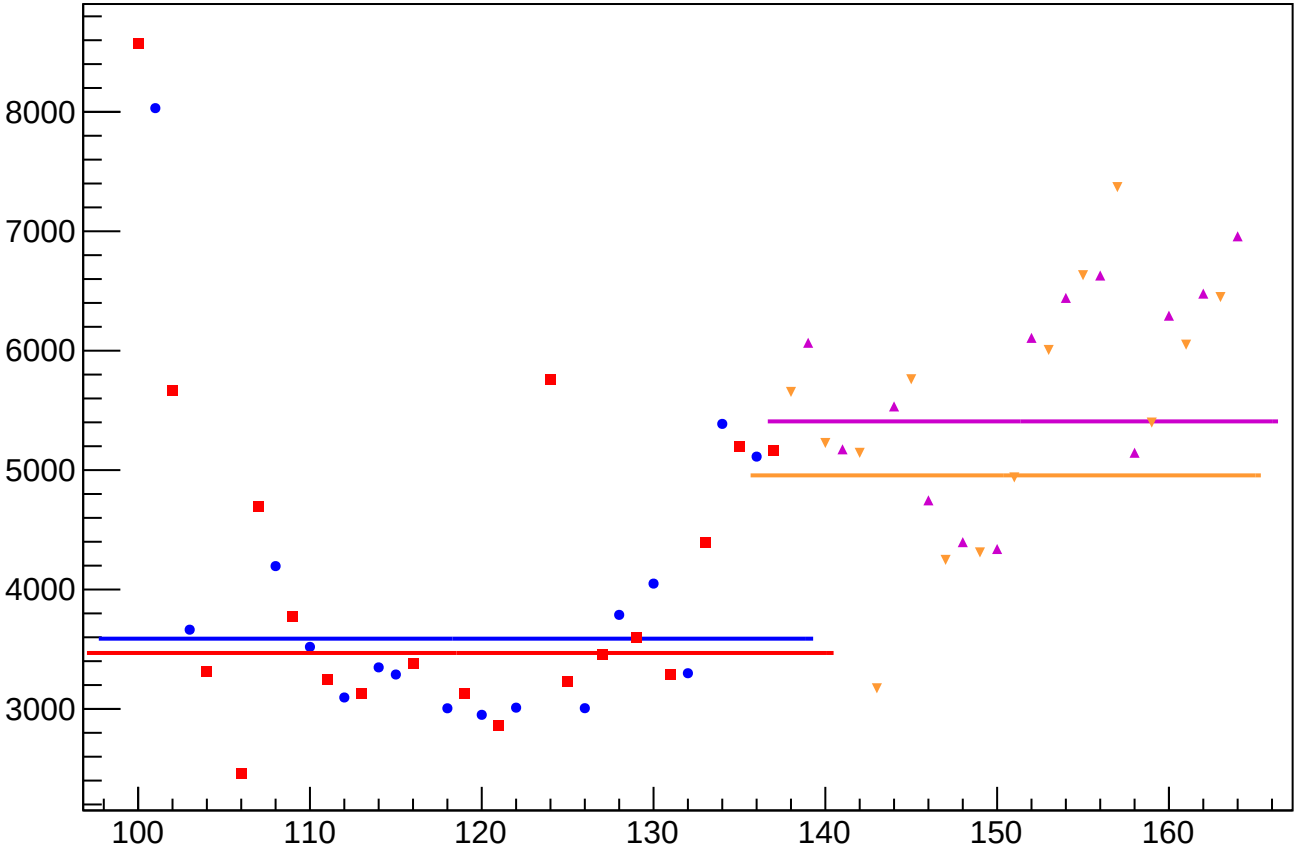
+ sign 3758.334+/-0.658 χ^2/NDF: 3876024.6/29

All: 3644.641+/-0.456 χ^2/NDF: 9274734.5/61

- sign 3539.410+/-0.633 χ^2/NDF: 5341142.6/31


asym_atr1l2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2685.414+/-1379.907 χ²/NDF: 13.5/15
Left Out: 2709.925+/-1525.929 χ²/NDF:14.3/13
Right Out: -1945.685+/-1332.986 χ²/NDF: 18.7/18
Left In: -951.430+/-1657.088 χ²/NDF:10.4/12
+ sign 2696.441+/-1023.482 χ²/NDF: 27.7/29
All: 601.946+/-729.014 χ²/NDF: 65.6/61
- sign -1555.076+/-1038.647 χ²/NDF: 29.3/31

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4955.881+/-1.079 χ^2/NDF:1143768.6/13

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

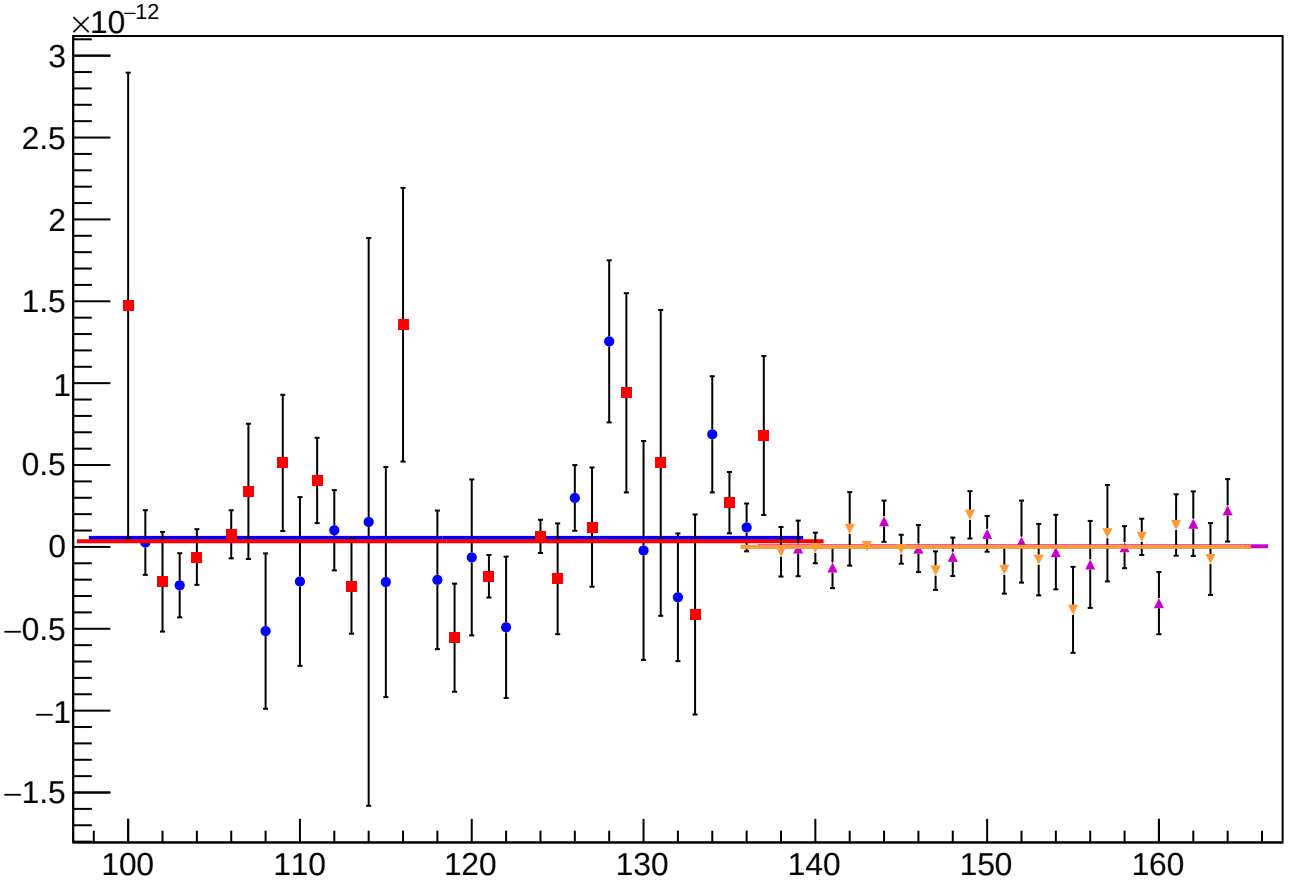
Left In: 5407.961+/-1.172 χ^2/NDF:520304.3/12

+ sign 4203.611+/-0.724 χ^2/NDF: 2872569.1/29

All: 4209.978+/-0.513 χ^2/NDF: 5742644.7/61

- 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:7.9/13

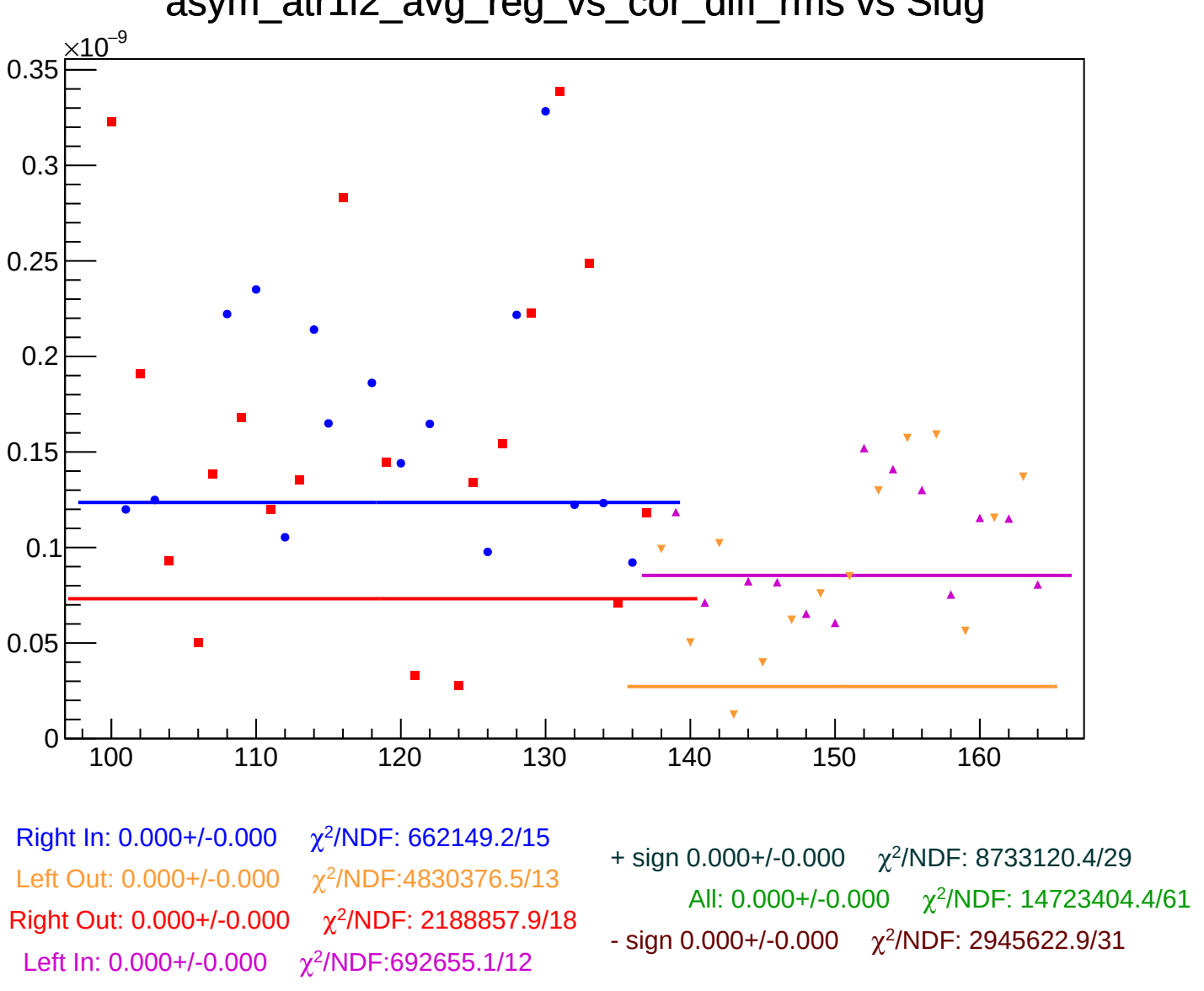
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/12

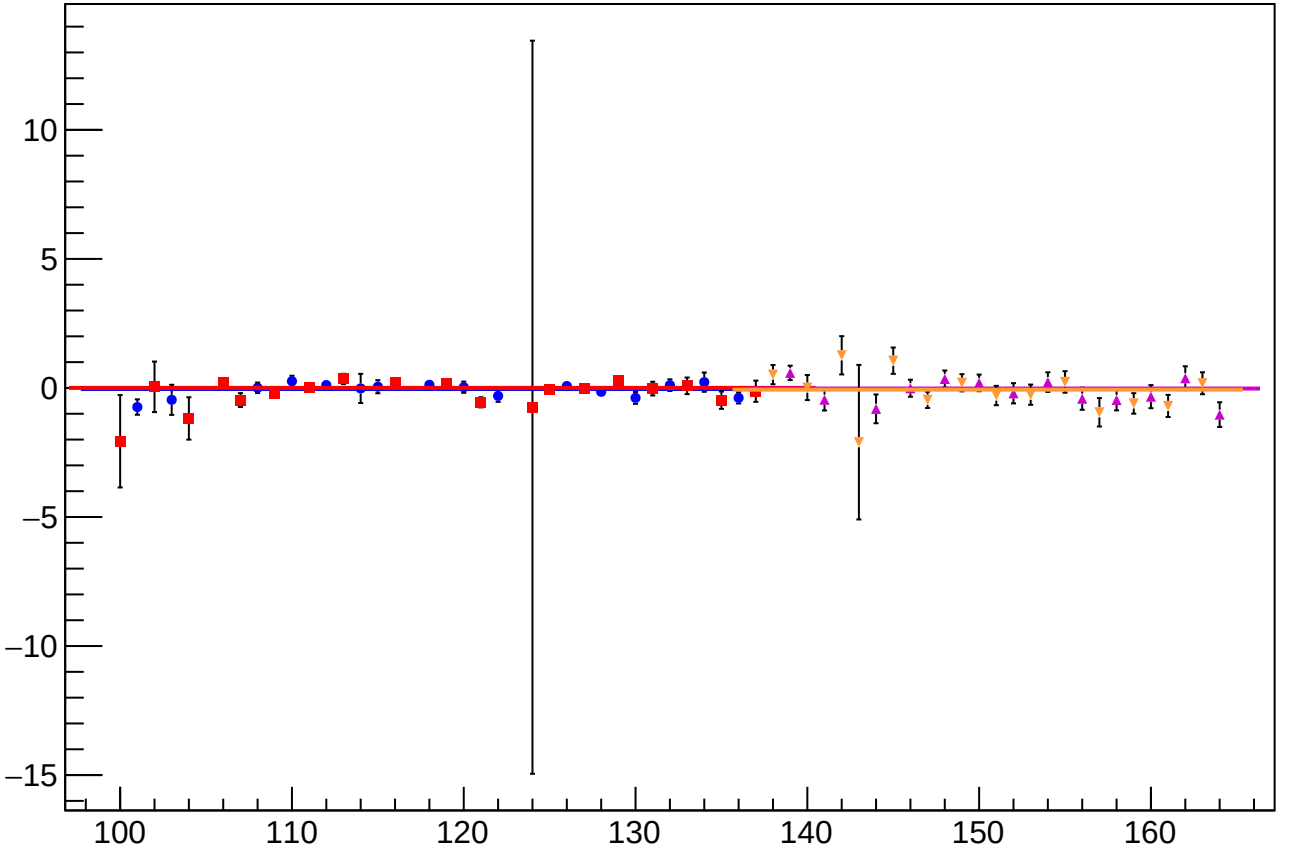
+ sign 0.000+/-0.000 χ^2/NDF: 26.2/29

All: 0.000+/-0.000 χ^2/NDF: 57.4/61

- sign 0.000+/-0.000 χ^2/NDF: 31.2/31


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4830376.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:692655.1/12
+ sign 0.000+/-0.000 χ²/NDF: 8733120.4/29
All: 0.000+/-0.000 χ²/NDF: 14723404.4/61
- sign 0.000+/-0.000 χ²/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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

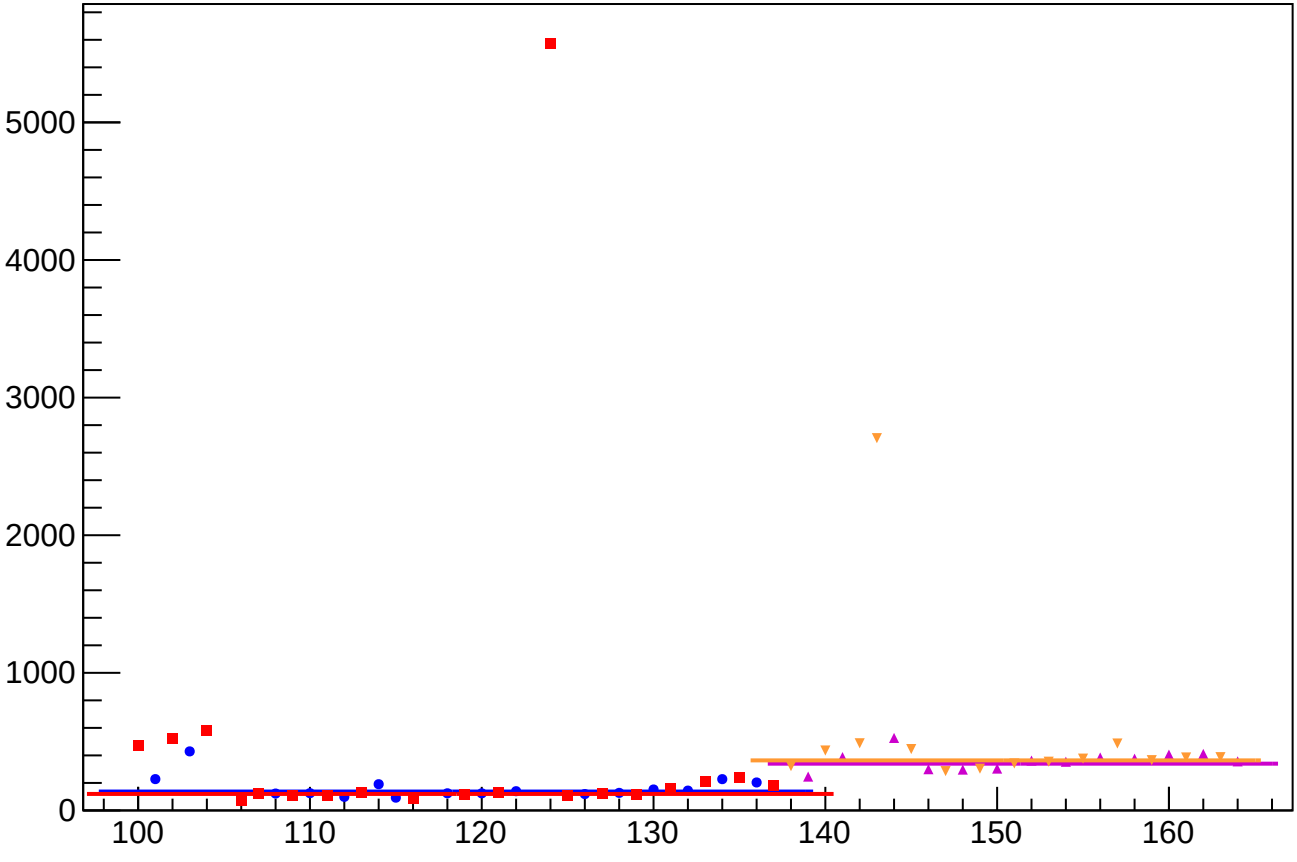
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.021+/-0.034 χ^2/NDF: 86.3/61

- 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: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

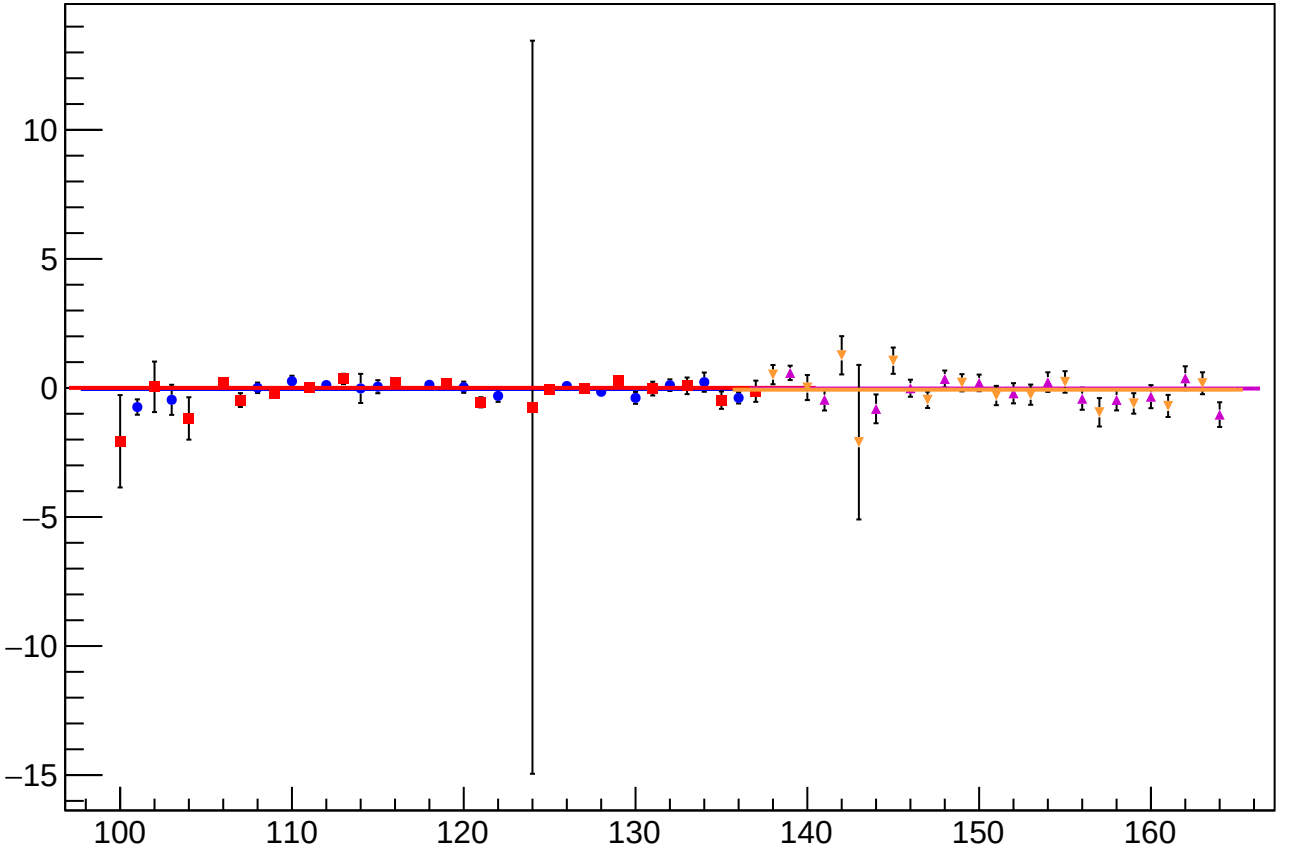
Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

+ sign 180.864+/-0.035 χ^2/NDF: 9291679.3/29

All: 170.197+/-0.024 χ^2/NDF: 19304653.9/61

- 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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

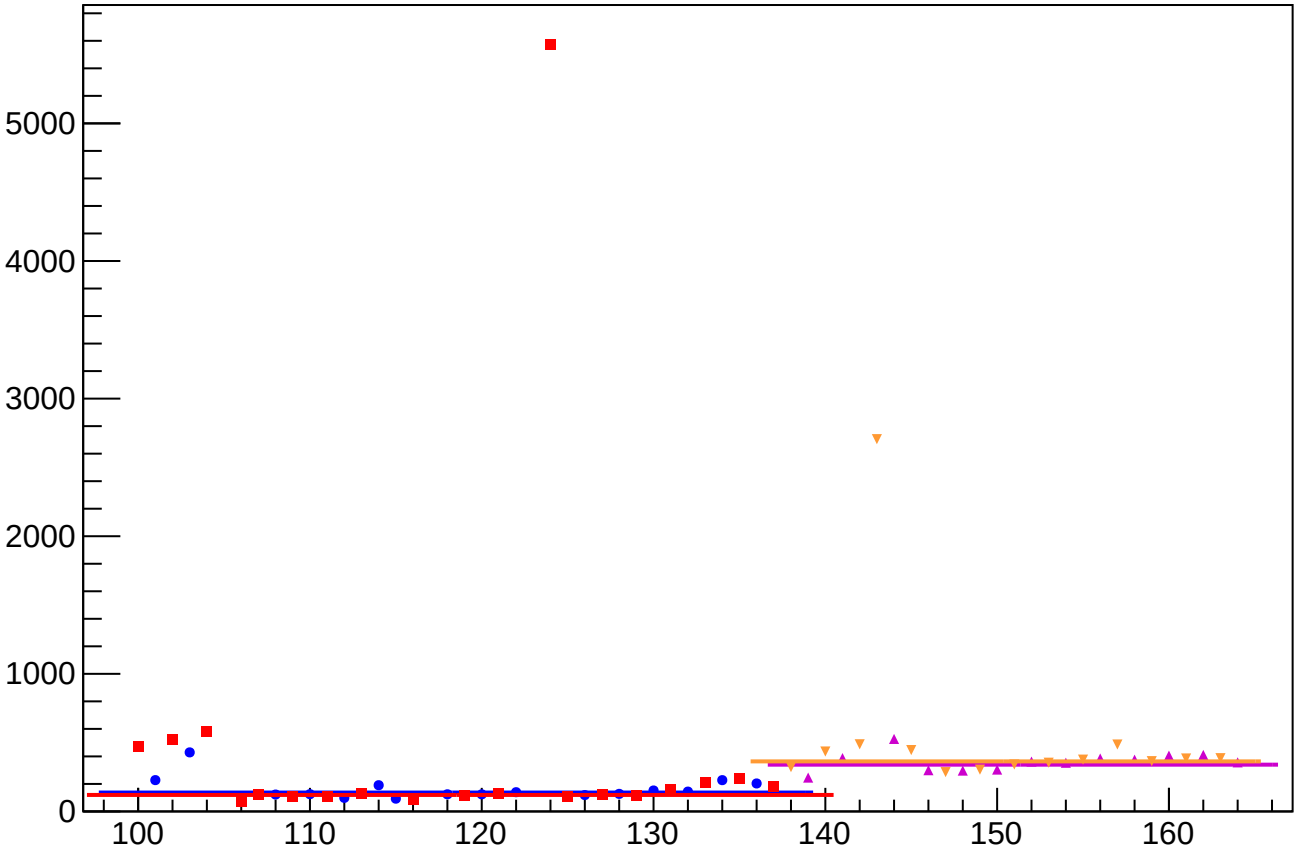
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.021+/-0.034 χ^2/NDF: 86.3/61

- 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: 363.811+/-0.081 χ^2/NDF:1706944.6/13

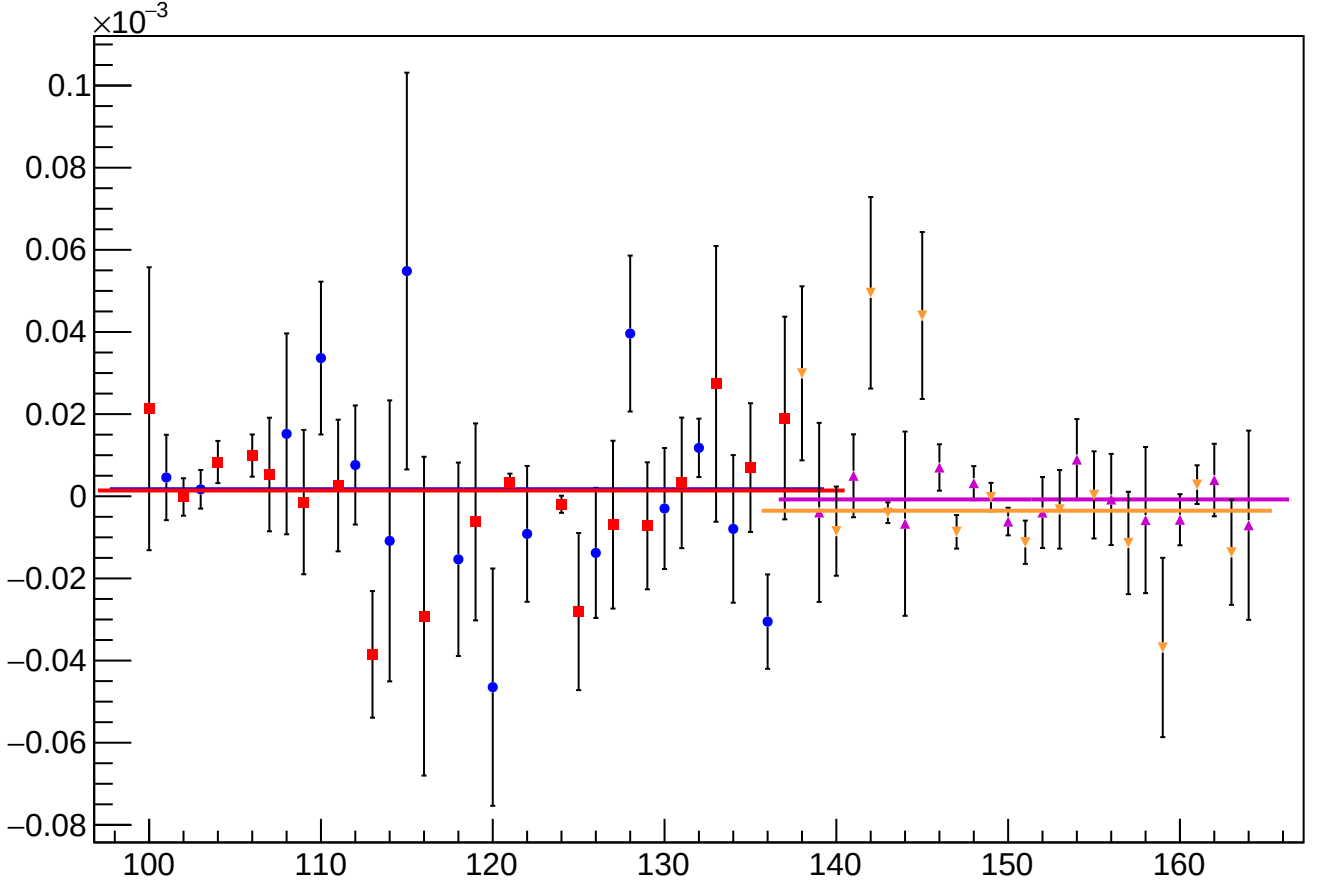
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

+ sign 180.864+/-0.035 χ^2/NDF: 9291679.3/29

All: 170.197+/-0.024 χ^2/NDF: 19304653.9/61

- 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:23.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

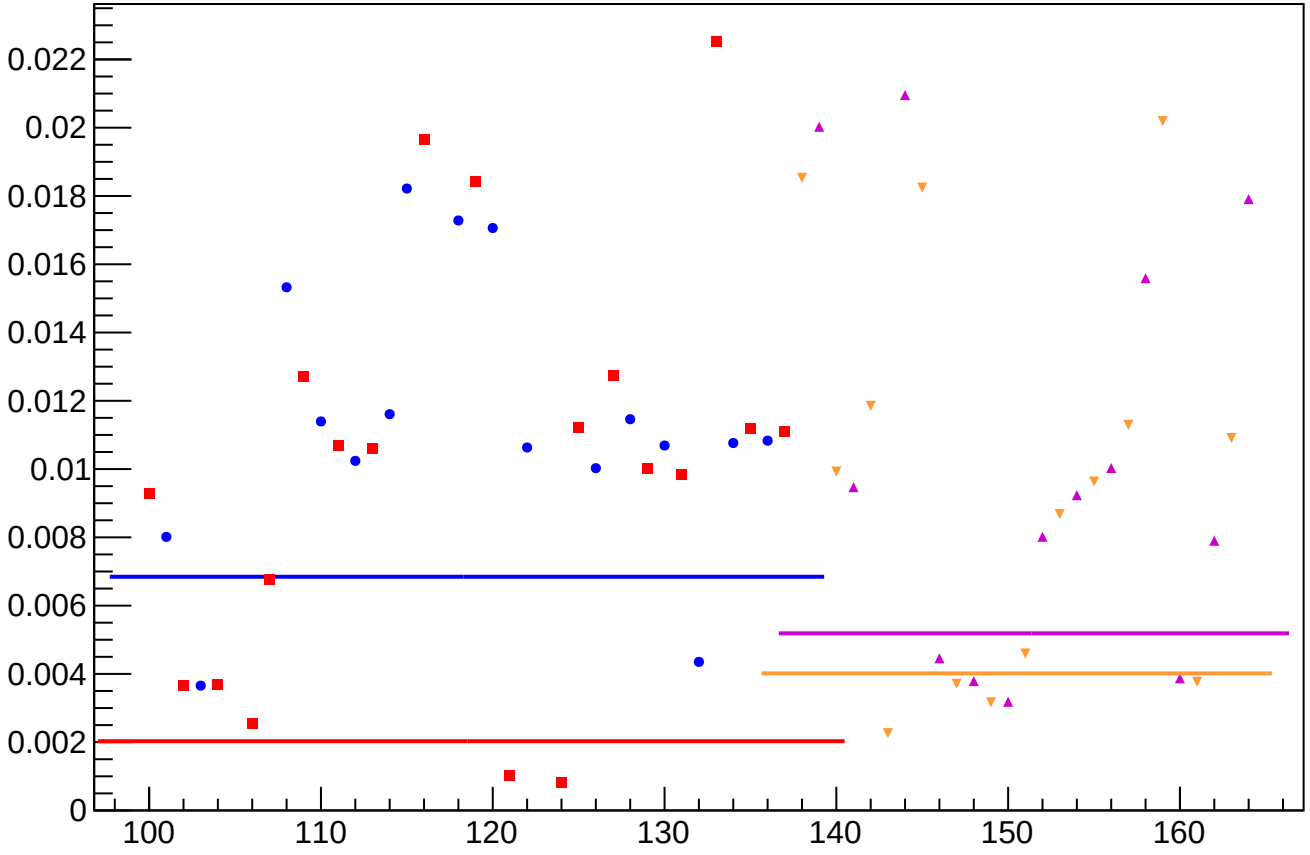
Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/29

All: -0.000+/-0.000 χ^2/NDF: 82.1/61

- sign 0.000+/-0.000 χ^2/NDF: 29.1/31

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:7264850.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

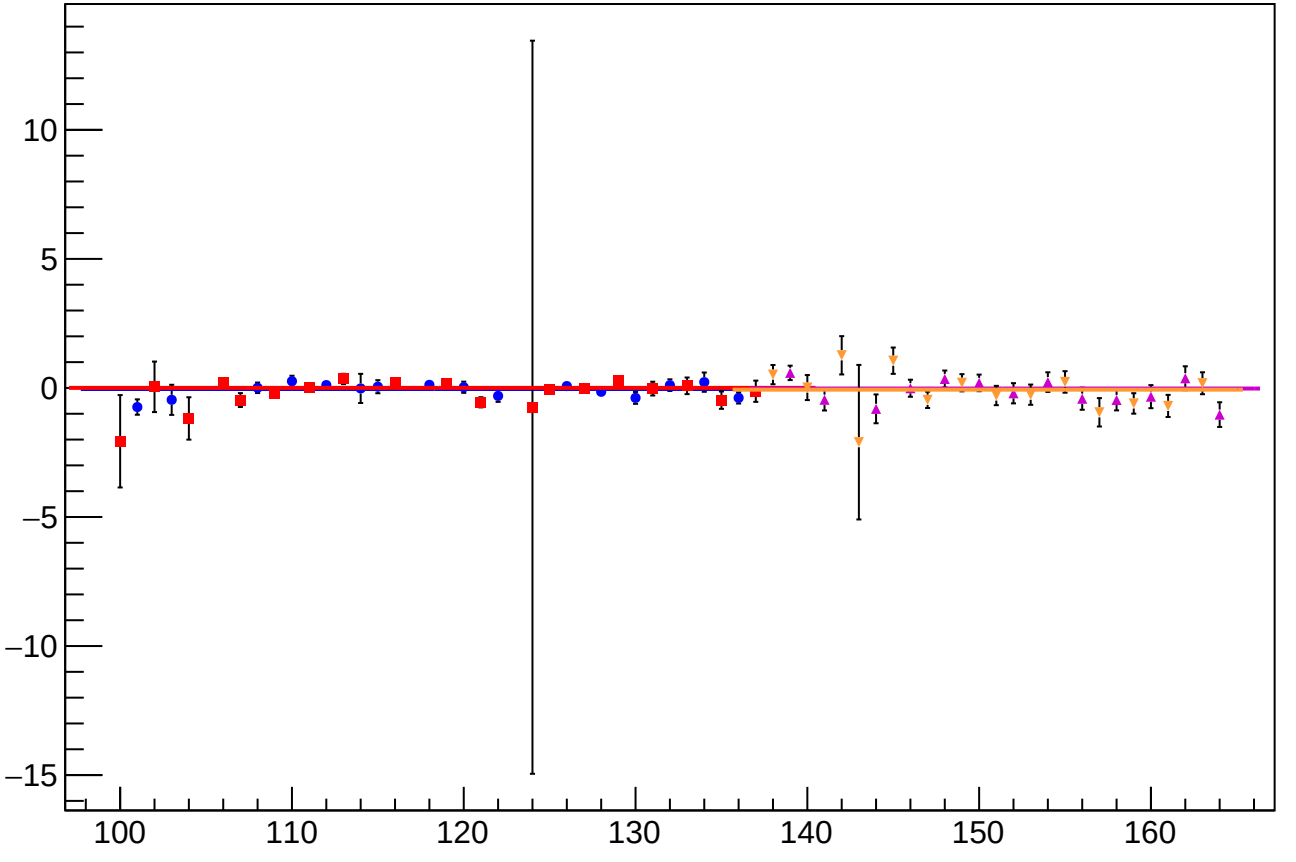
Left In: 0.005+/-0.000 χ^2/NDF:5749415.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 11936189.9/29

All: 0.004+/-0.000 χ^2/NDF: 32268657.3/61

- sign 0.003+/-0.000 χ^2/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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

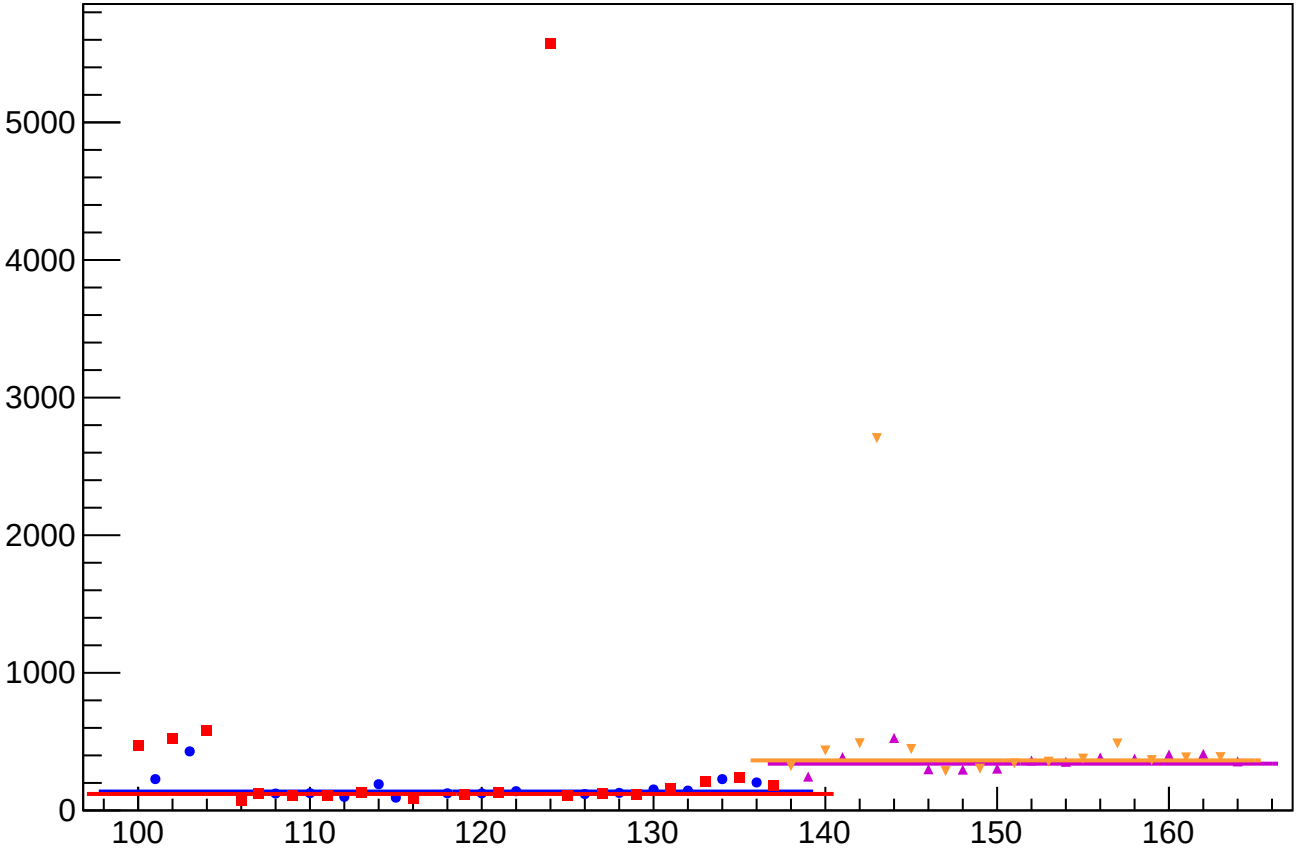
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.021+/-0.034 χ^2/NDF: 86.3/61

- 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: 363.814+/-0.081 χ^2/NDF:1706985.7/13

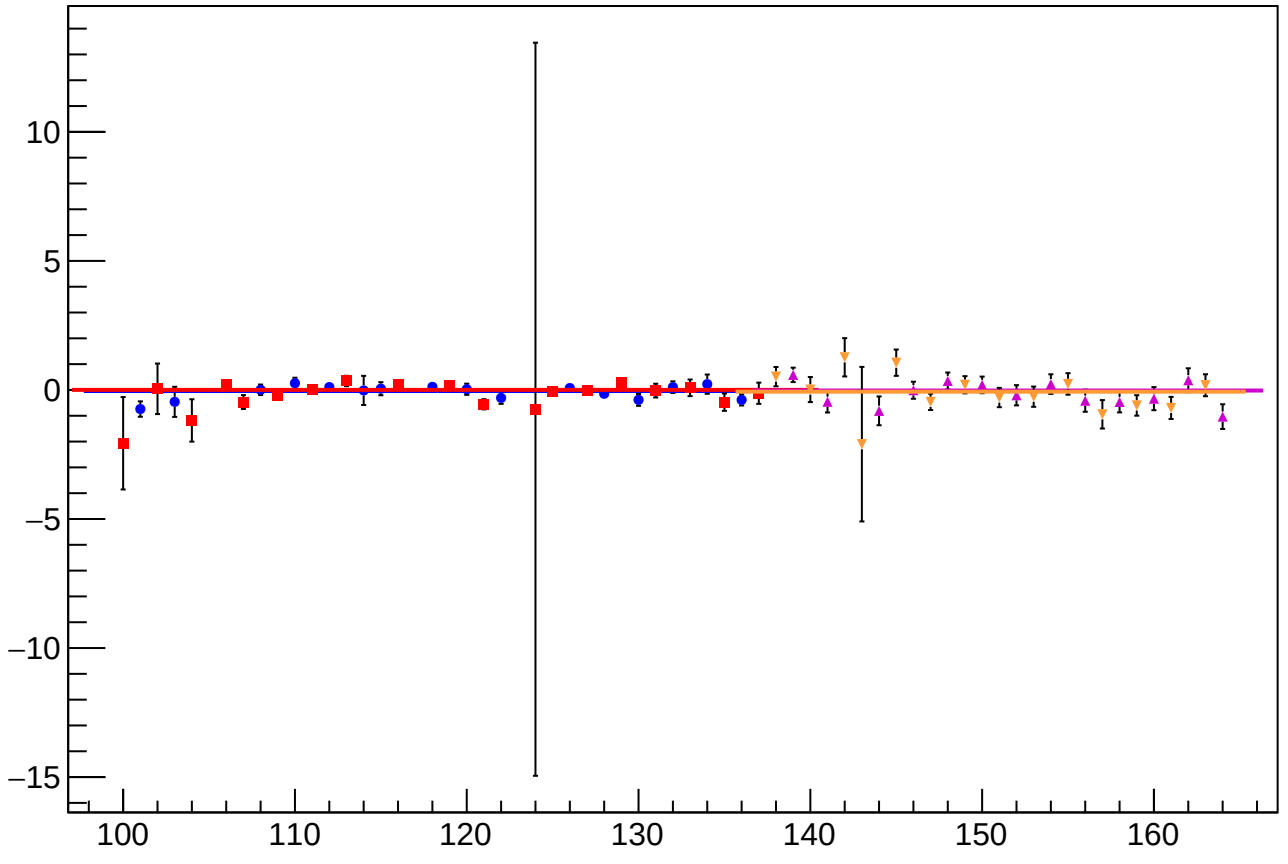
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

+ sign 180.865+/-0.035 χ^2/NDF: 9291695.1/29

All: 170.197+/-0.024 χ^2/NDF: 19304765.3/61

- 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: -0.067+/-0.115 χ^2/NDF:21.2/13

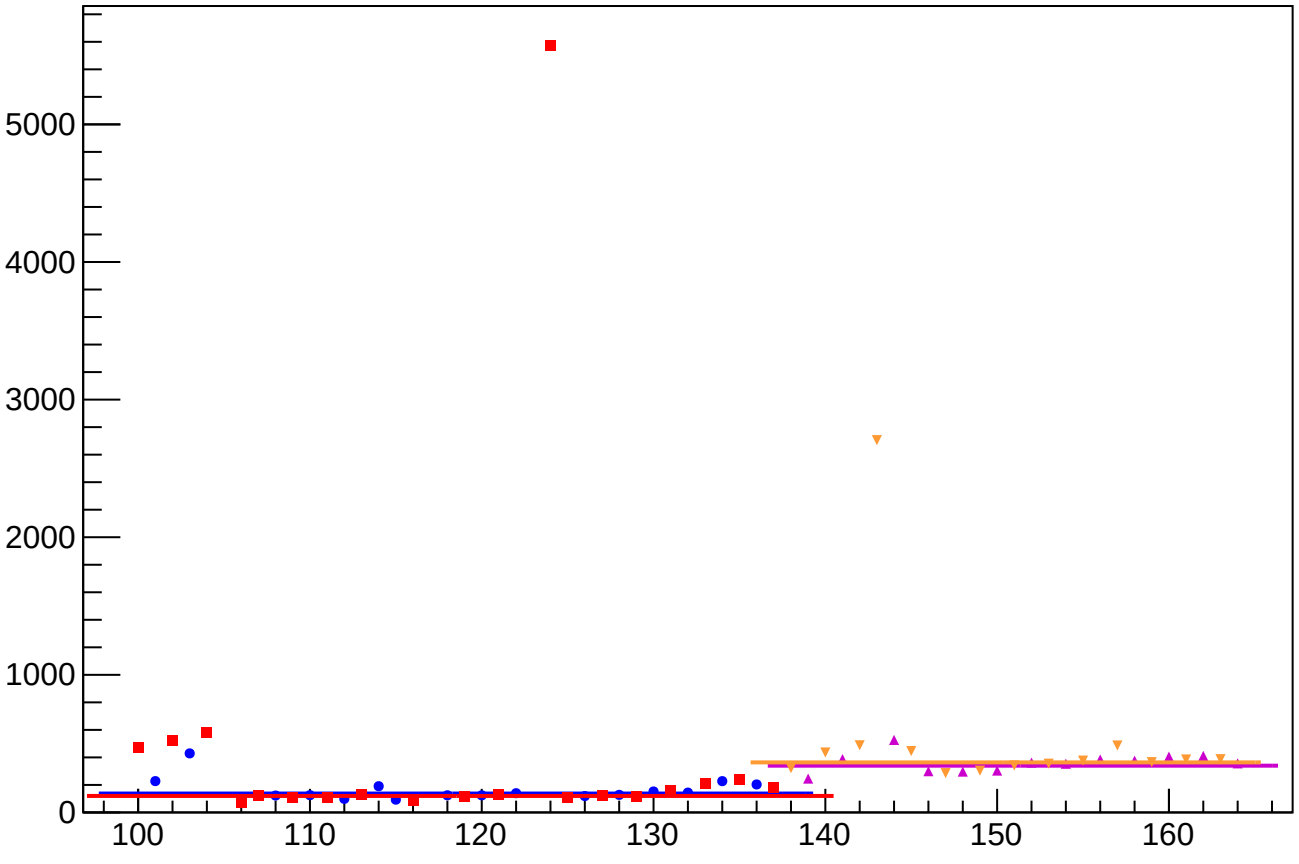
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.021+/-0.034 χ^2/NDF: 86.3/61

- 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: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

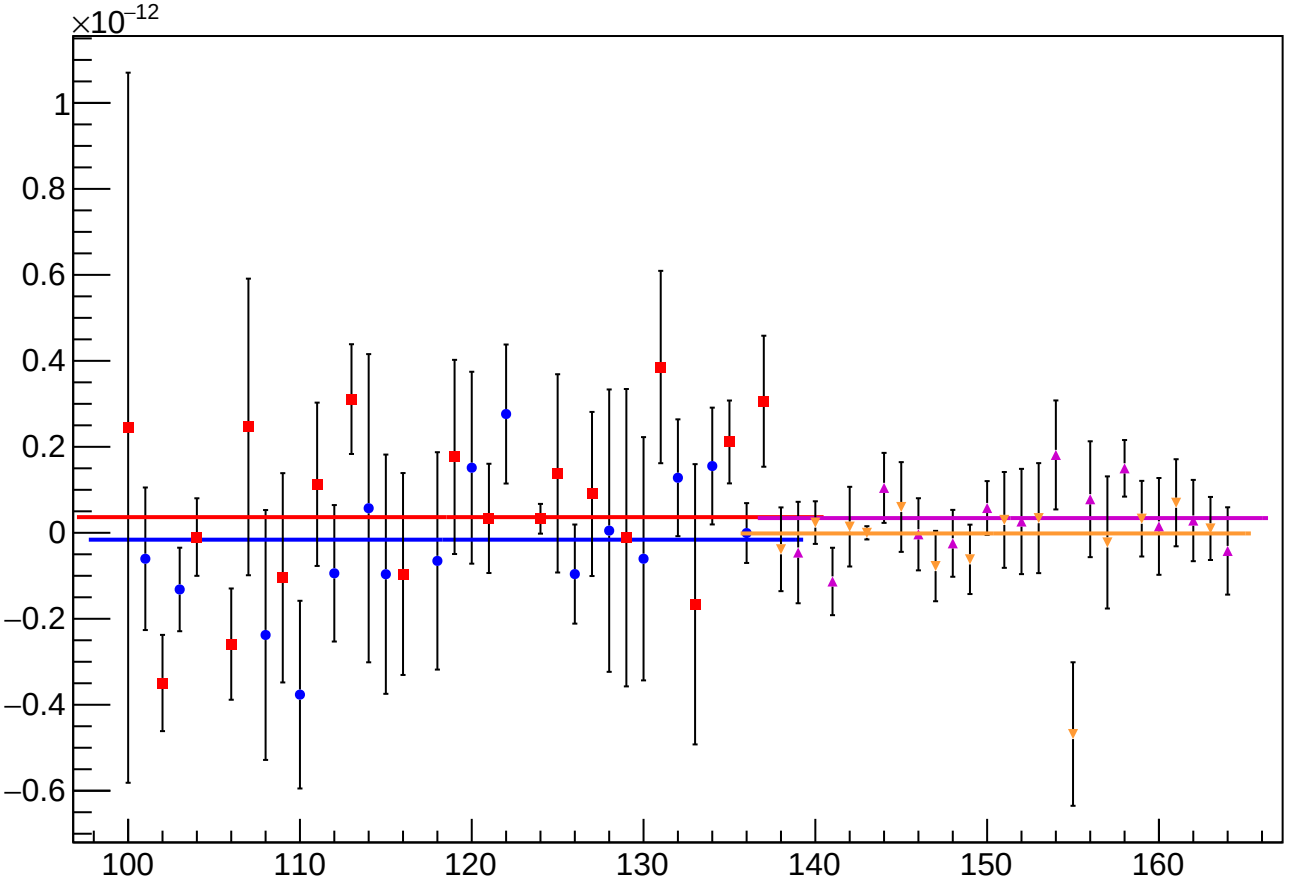
Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

+ sign 180.865+/-0.035 χ^2/NDF: 9291695.1/29

All: 170.197+/-0.024 χ^2/NDF: 19304765.3/61

- 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:10.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

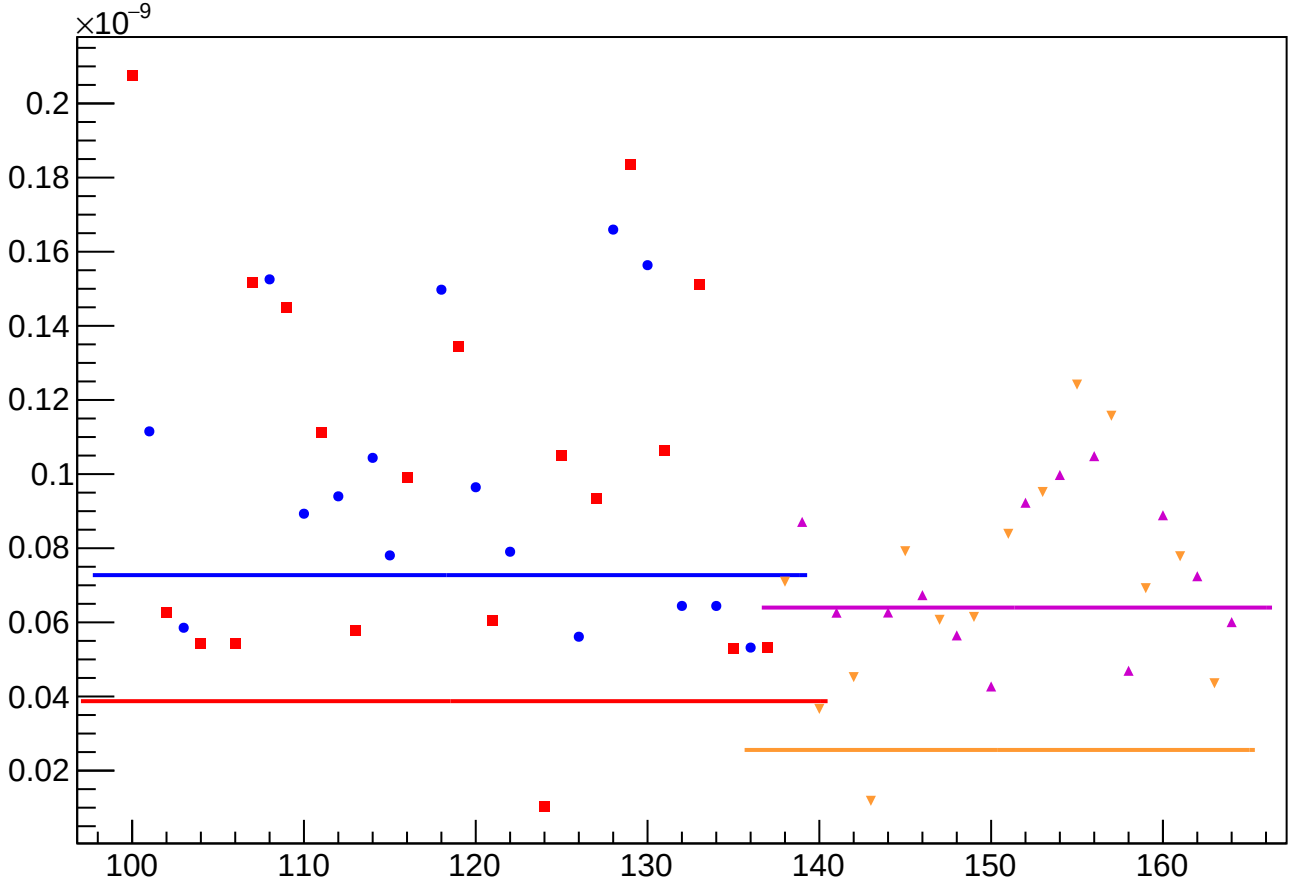
Left In: 0.000+/-0.000 χ^2/NDF:10.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/29

All: 0.000+/-0.000 χ^2/NDF: 70.5/61

- sign 0.000+/-0.000 χ^2/NDF: 44.0/31

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7165487.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

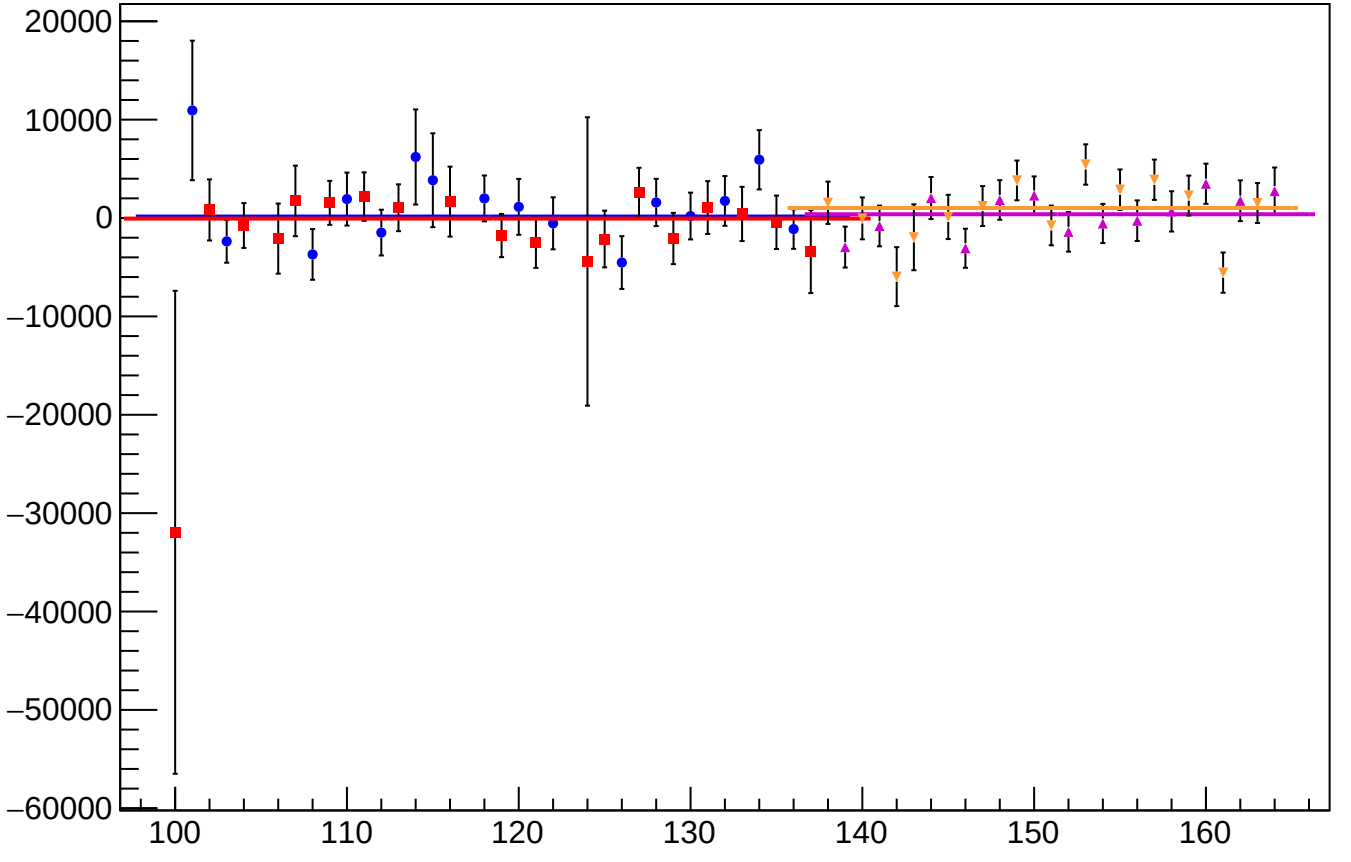
Left In: 0.000+/-0.000 χ^2/NDF:1032338.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 11150769.3/29

All: 0.000+/-0.000 χ^2/NDF: 19368041.5/61

- sign 0.000+/-0.000 χ^2/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: 1018.339+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

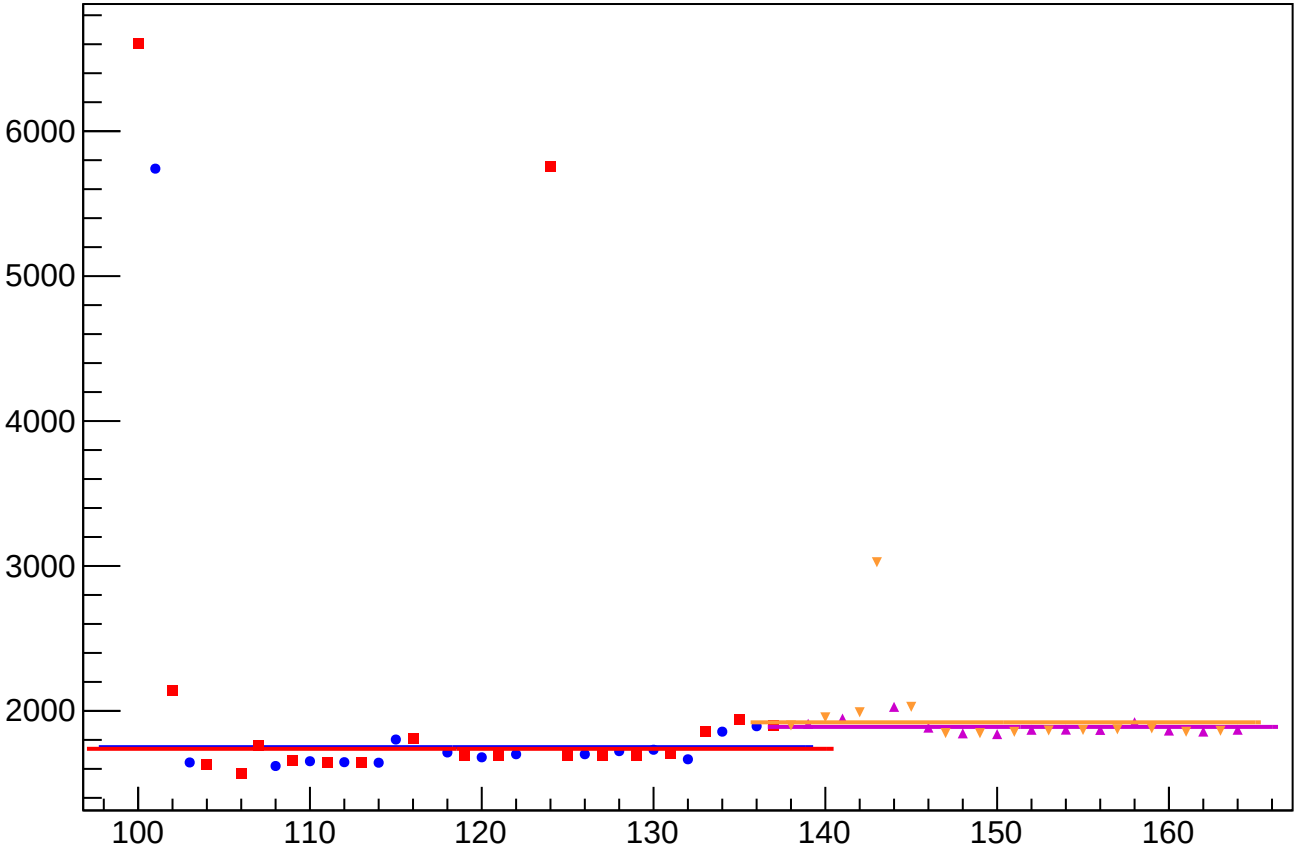
Left In: 385.256+/-570.707 χ^2/NDF:12.9/12

+ sign 647.161+/-436.287 χ^2/NDF: 46.2/29

All: 418.362+/-306.385 χ^2/NDF: 68.8/61

- 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: 1921.246+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

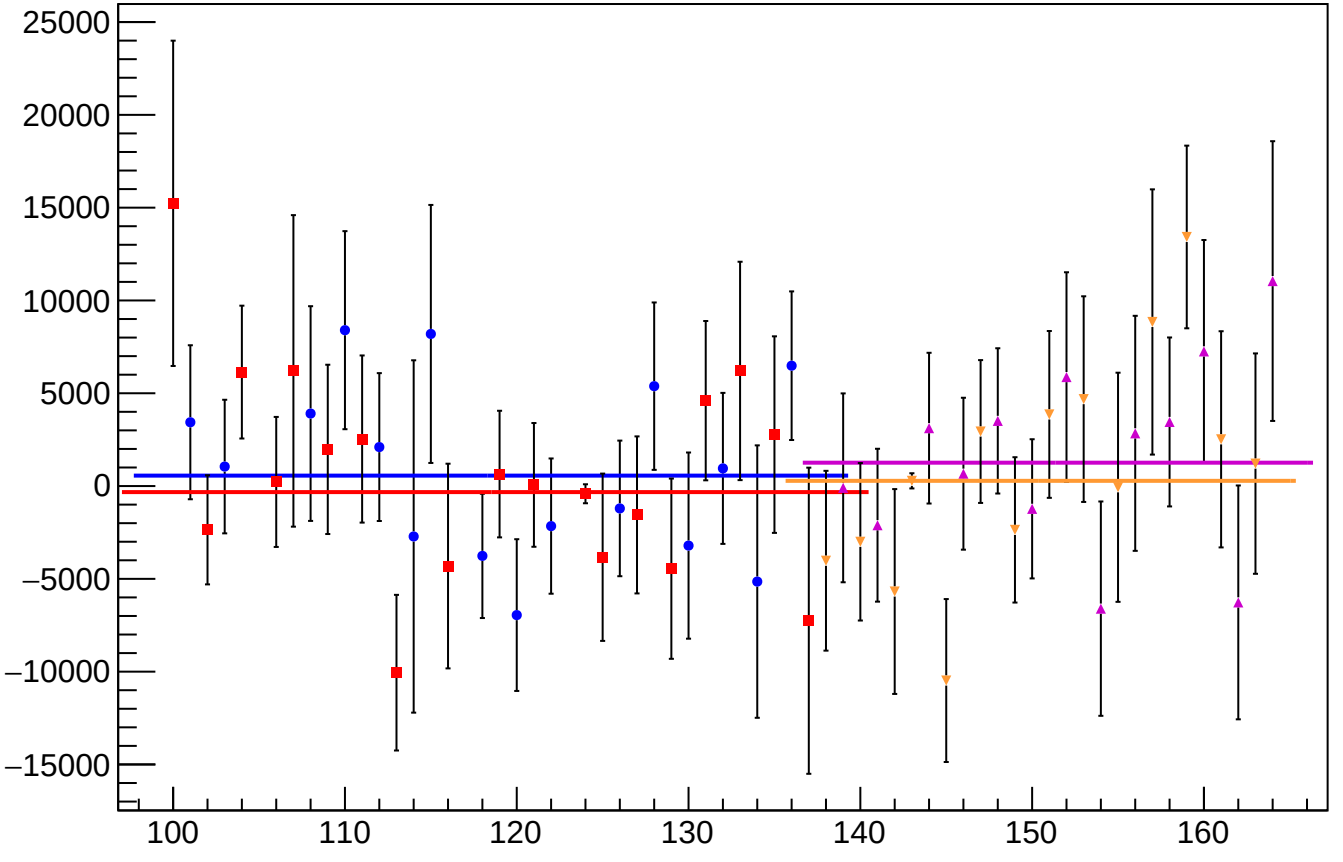
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.3/29

All: 1835.713+/-0.216 χ^2/NDF: 1368039.1/61

- 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: 281.255+/-391.693 χ^2/NDF:19.5/13

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

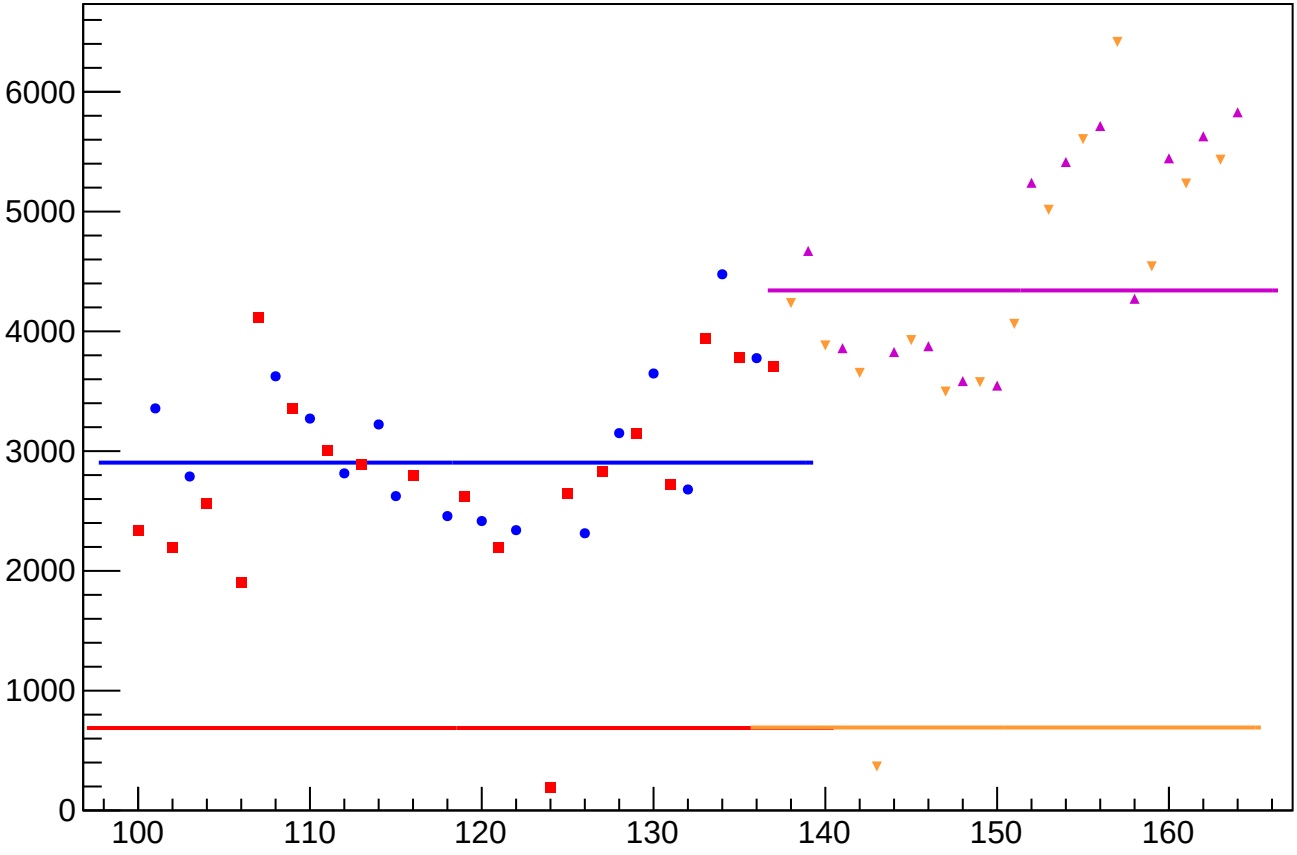
Left In: 1259.177+/-1336.897 χ^2/NDF:8.7/12

+ sign 312.826+/-369.041 χ^2/NDF: 34.4/29

All: 114.365+/-280.934 χ^2/NDF: 64.2/61

- 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: 692.583+/-0.277 χ^2/NDF:15884071.5/13

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

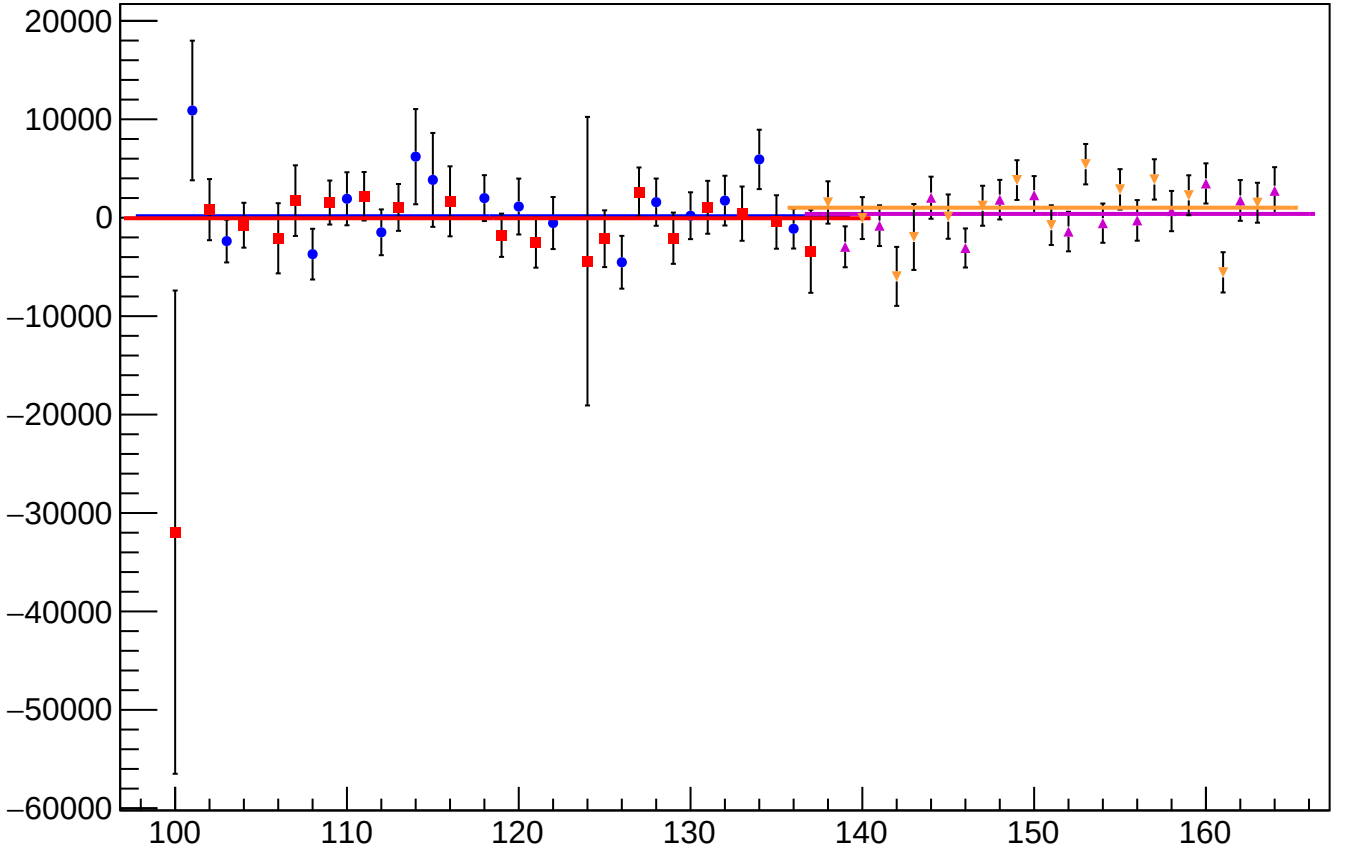
Left In: 4341.621+/-0.945 χ^2/NDF:701427.0/12

+ sign 940.970+/-0.261 χ^2/NDF: 23524443.6/29

All: 996.055+/-0.199 χ^2/NDF: 47847350.5/61

- 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: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

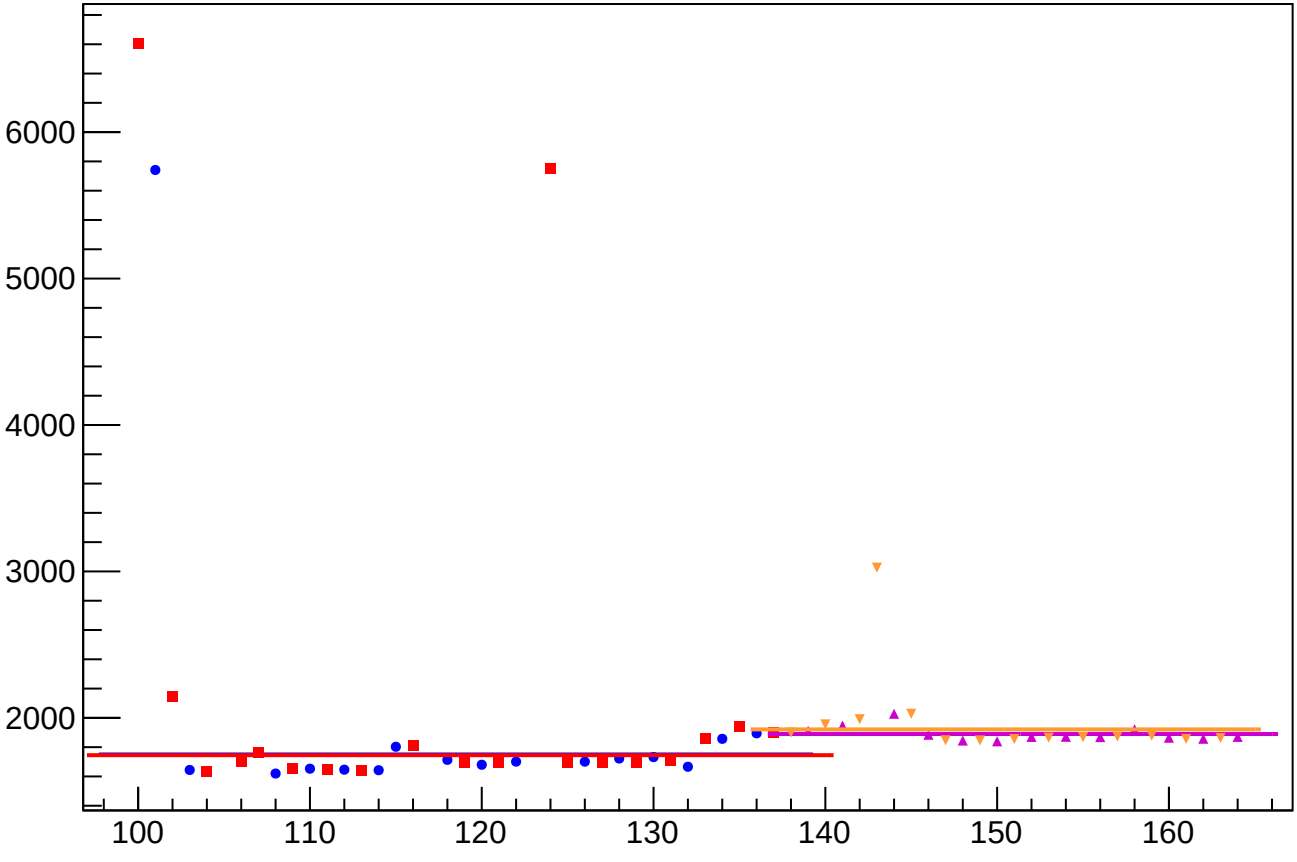
Left In: 385.299+/-570.707 χ^2/NDF:12.9/12

+ sign 646.938+/-436.287 χ^2/NDF: 46.2/29

All: 418.254+/-306.385 χ^2/NDF: 68.8/61

- 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: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

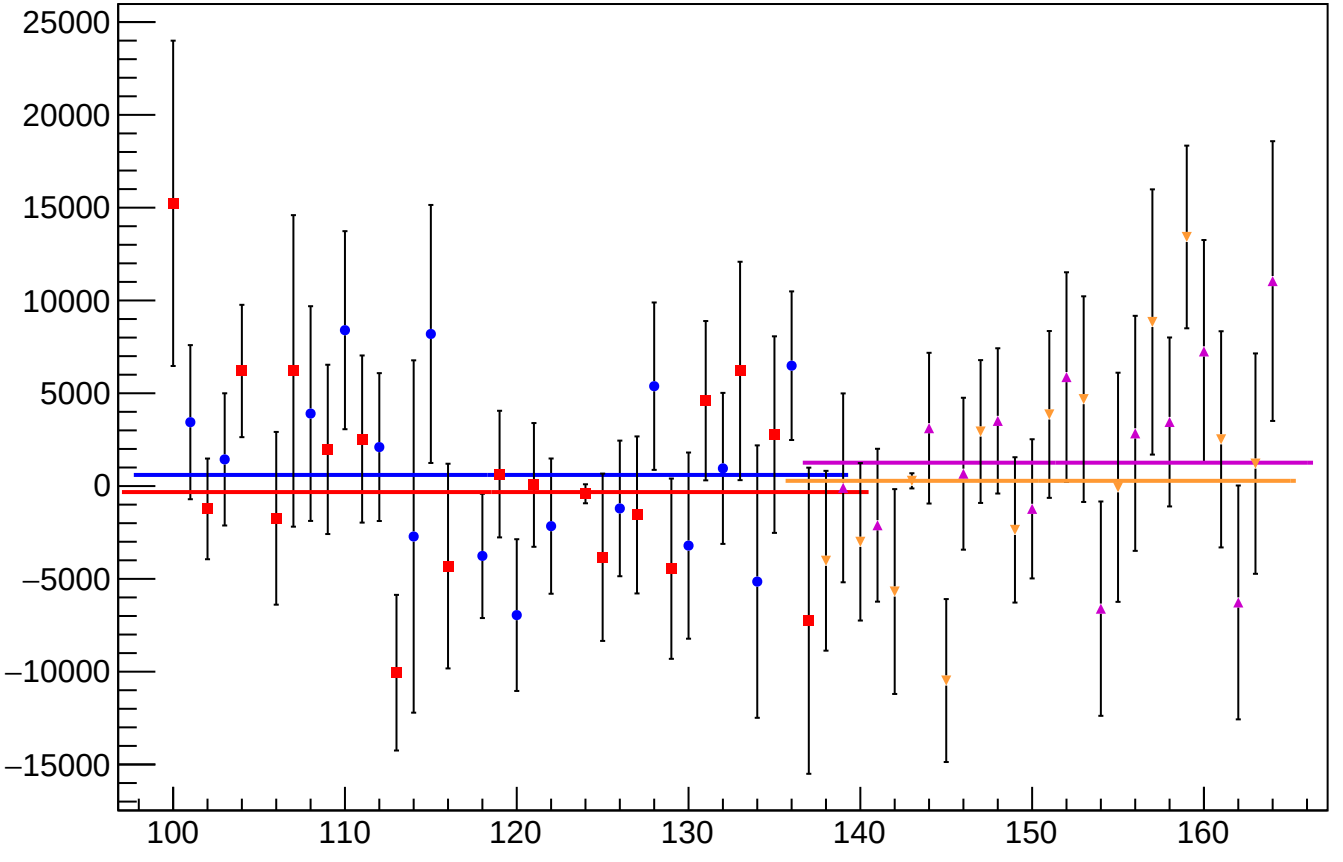
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.8/29

All: 1837.340+/-0.216 χ^2/NDF: 1355248.0/61

- 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: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

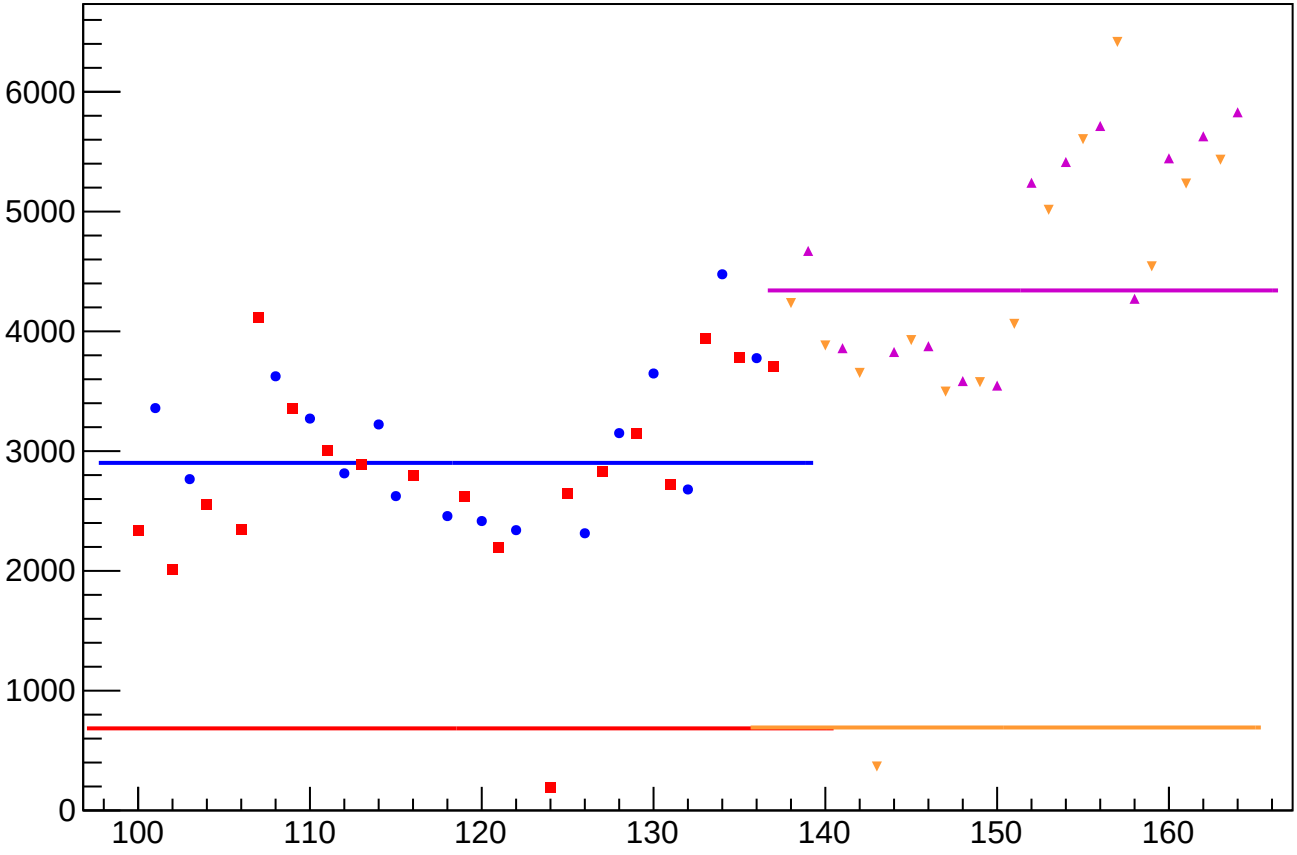
Left In: 1259.266+/-1336.895 χ^2/NDF:8.7/12

+ sign 317.999+/-369.029 χ^2/NDF: 34.4/29

All: 118.942+/-281.139 χ^2/NDF: 64.1/61

- 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: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

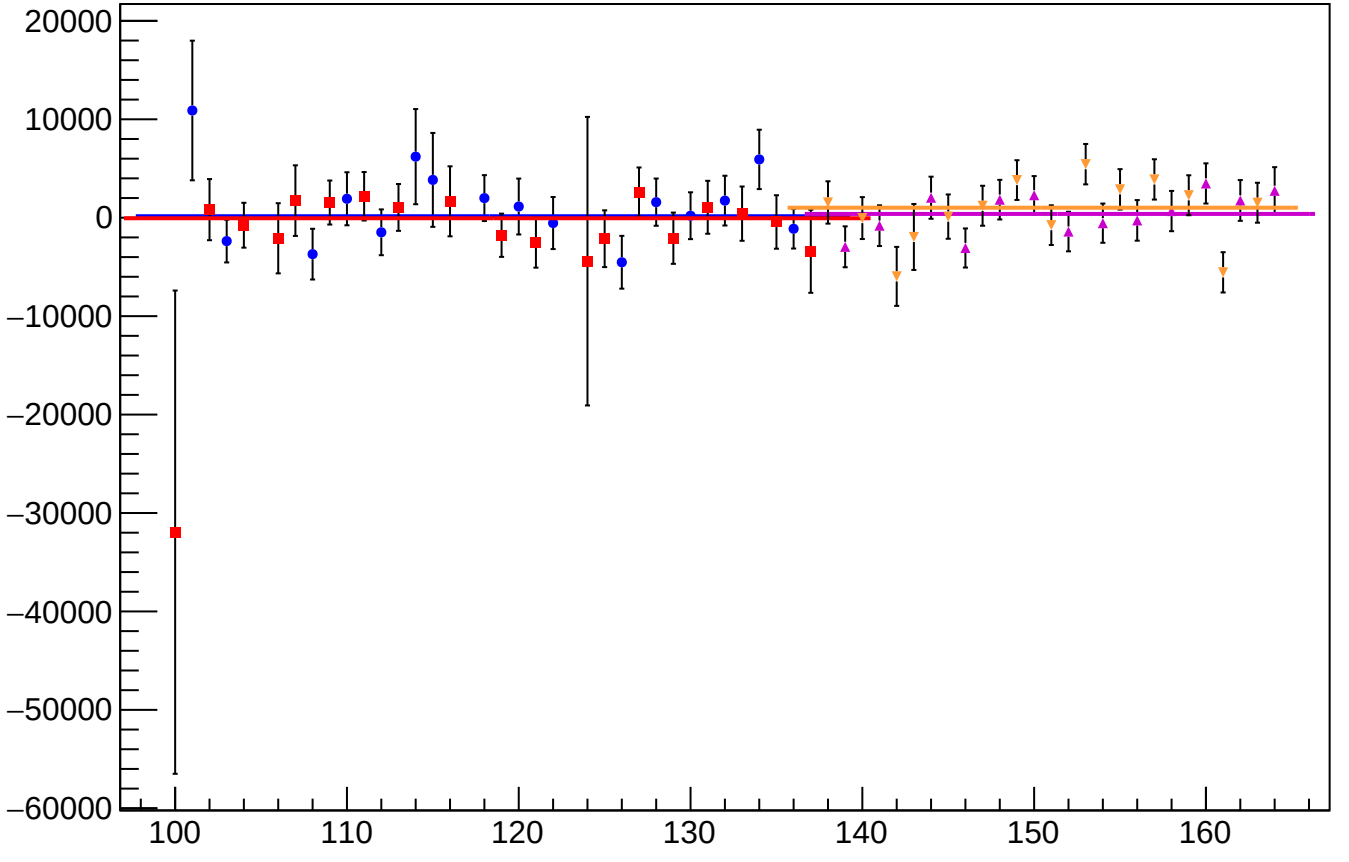
Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

+ sign 941.255+/-0.261 χ^2/NDF: 23522075.3/29

All: 995.531+/-0.199 χ^2/NDF: 47815789.9/61

- 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: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

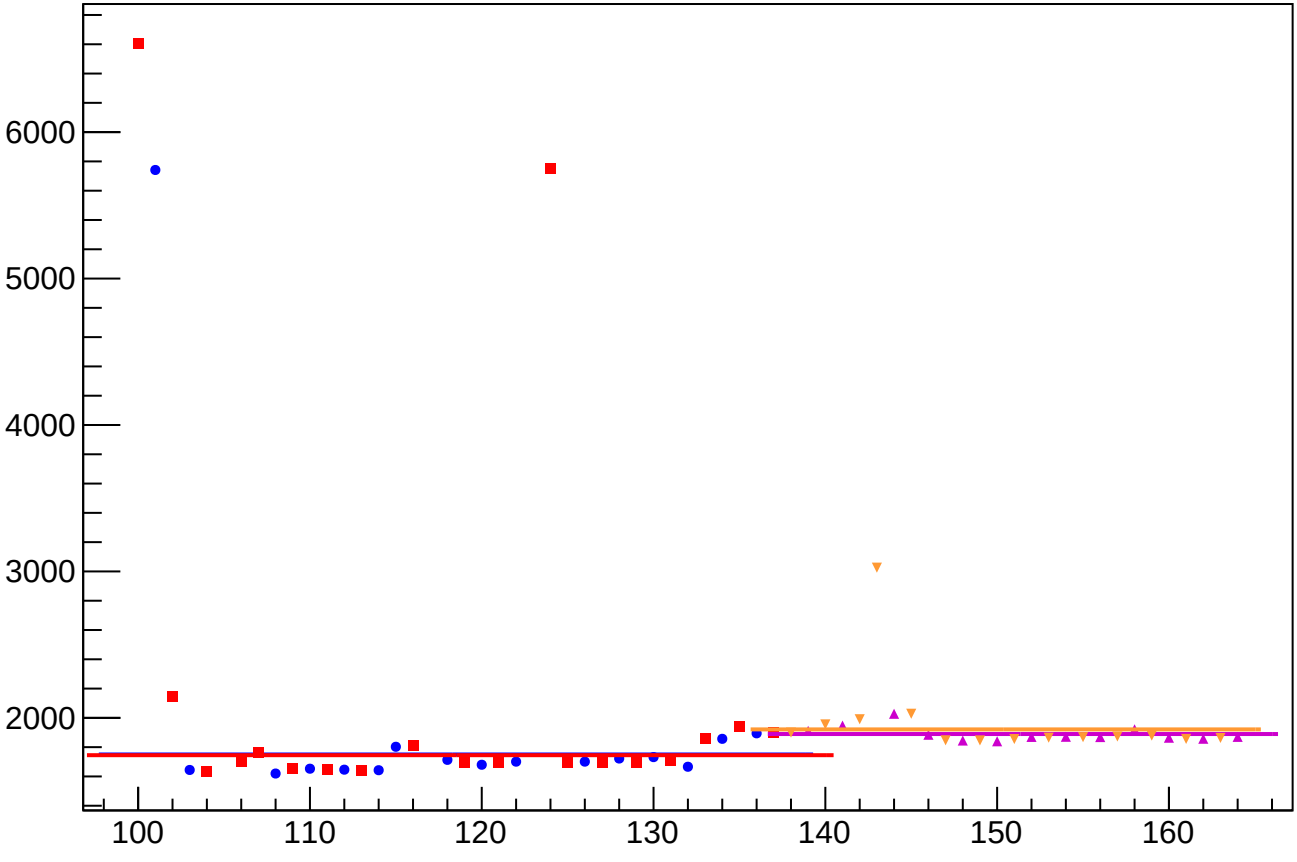
Left In: 385.299+/-570.707 χ^2/NDF:12.9/12

+ sign 646.938+/-436.287 χ^2/NDF: 46.2/29

All: 418.254+/-306.385 χ^2/NDF: 68.8/61

- 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: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

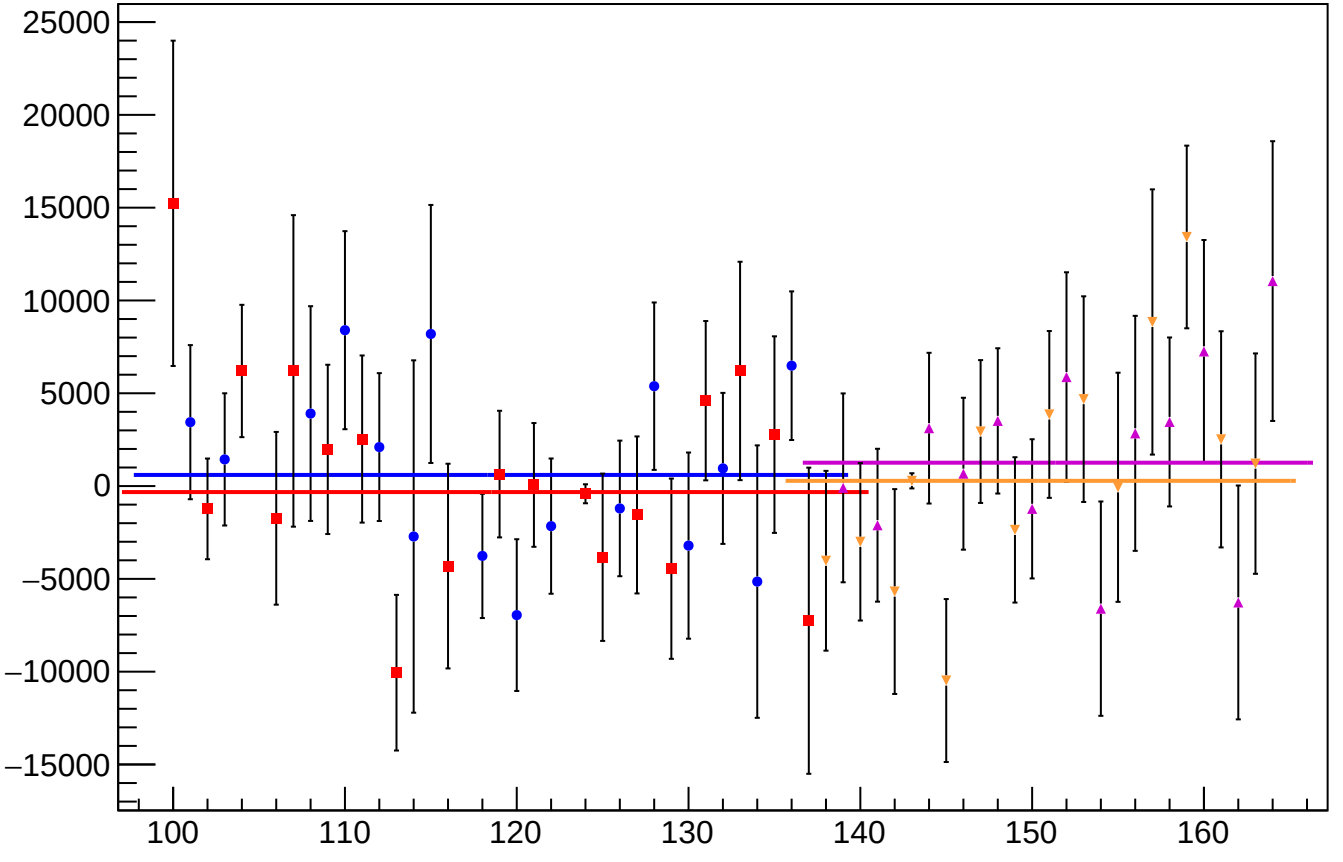
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.8/29

All: 1837.340+/-0.216 χ^2/NDF: 1355248.0/61

- 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: 282.219+/-391.725 χ^2/NDF:19.5/13

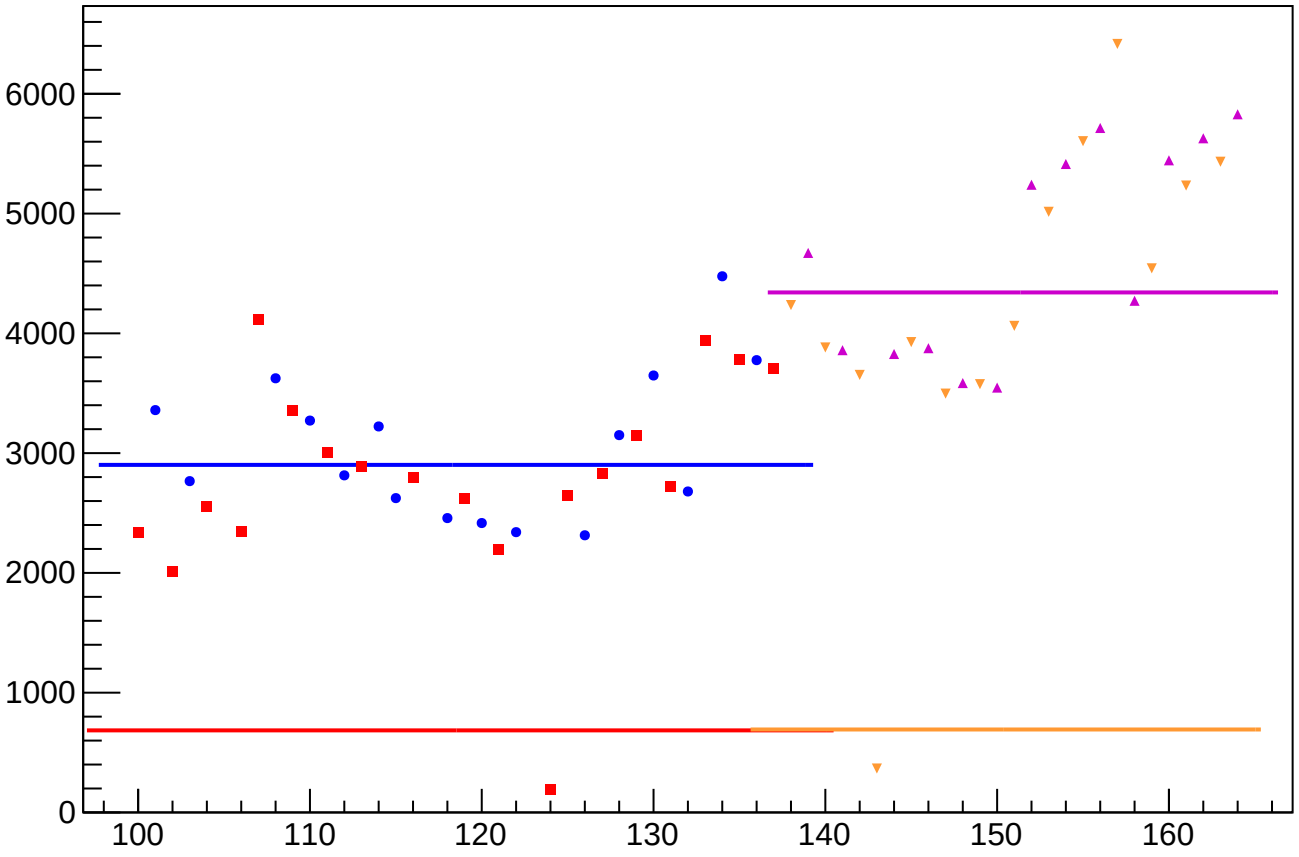
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1259.266+/-1336.895 χ^2/NDF:8.7/12

+ sign 317.999+/-369.029 χ^2/NDF: 34.4/29

All: 118.942+/-281.139 χ^2/NDF: 64.1/61

- 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: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

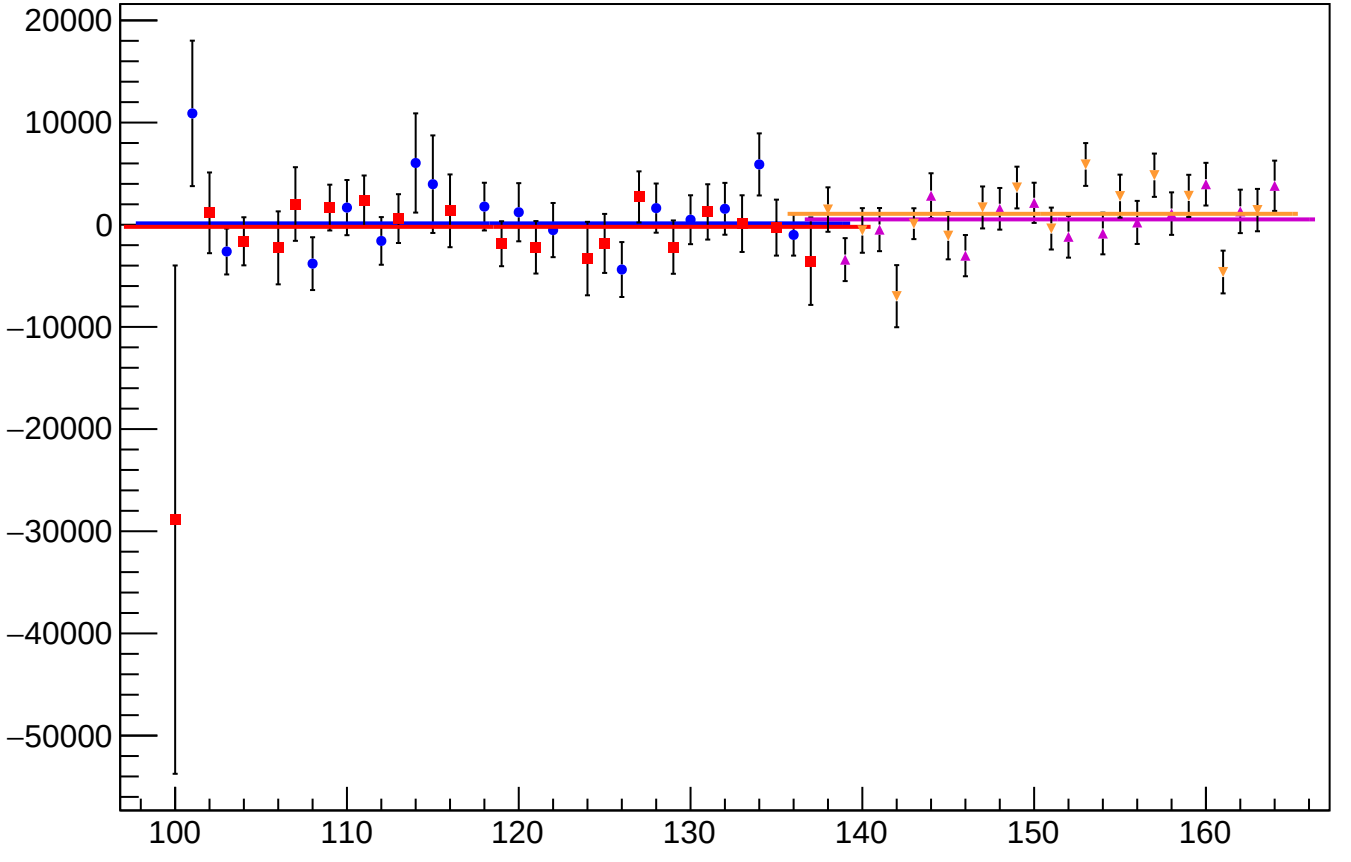
Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

+ sign 941.255+/-0.261 χ^2/NDF: 23522075.3/29

All: 995.531+/-0.199 χ^2/NDF: 47815789.9/61

- 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: 1068.998+/-555.365 χ^2/NDF:28.4/13

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

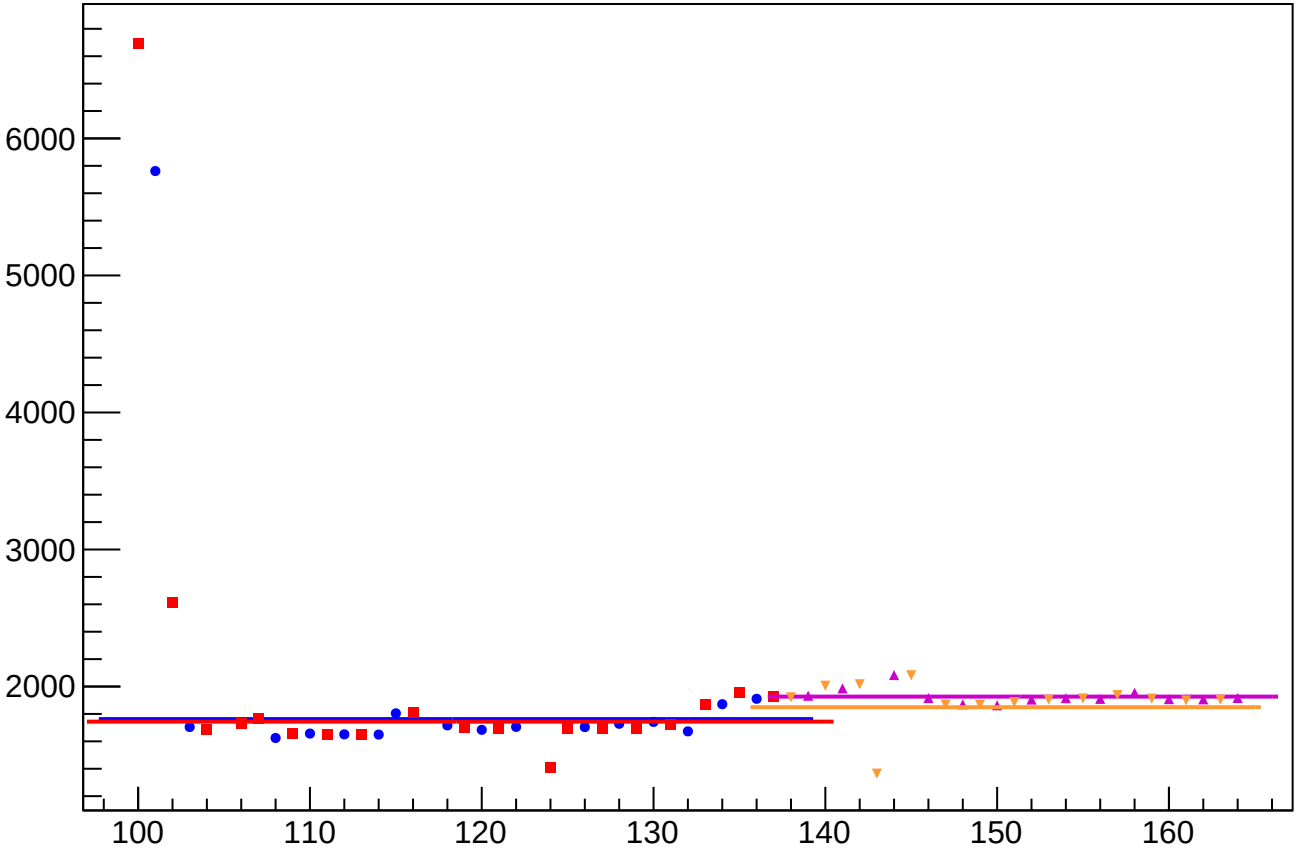
Left In: 522.602+/-581.887 χ^2/NDF:14.8/12

+ sign 689.235+/-427.994 χ^2/NDF: 46.8/29

All: 449.083+/-305.034 χ^2/NDF: 72.6/61

- 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: 1849.074+/-0.393 χ^2/NDF:257077.3/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

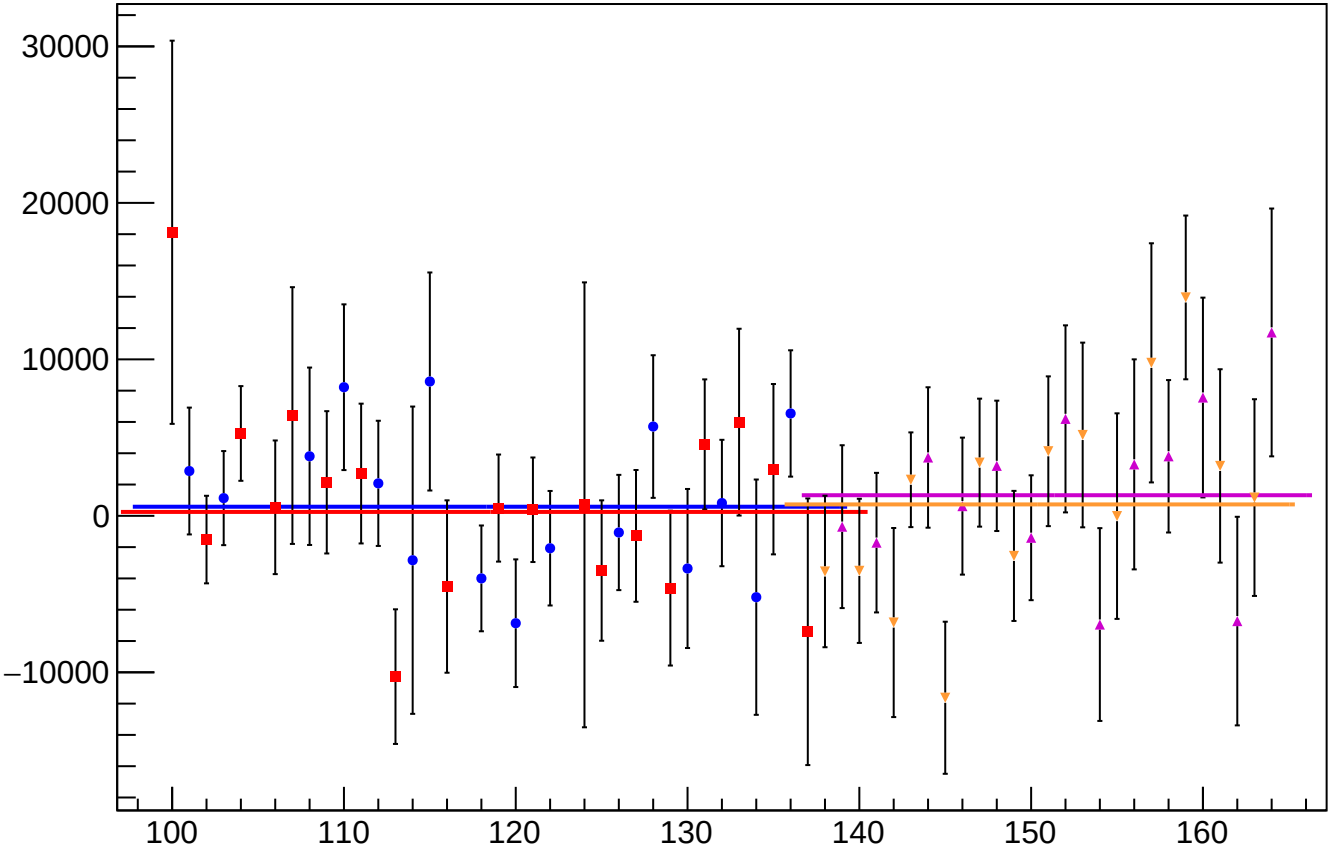
Left In: 1926.497+/-0.411 χ^2/NDF:16714.0/12

+ sign 1813.735+/-0.303 χ^2/NDF: 944715.4/29

All: 1829.405+/-0.216 χ^2/NDF: 1282035.2/61

- 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: 730.086+/-1305.148 χ^2/NDF:20.0/13

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

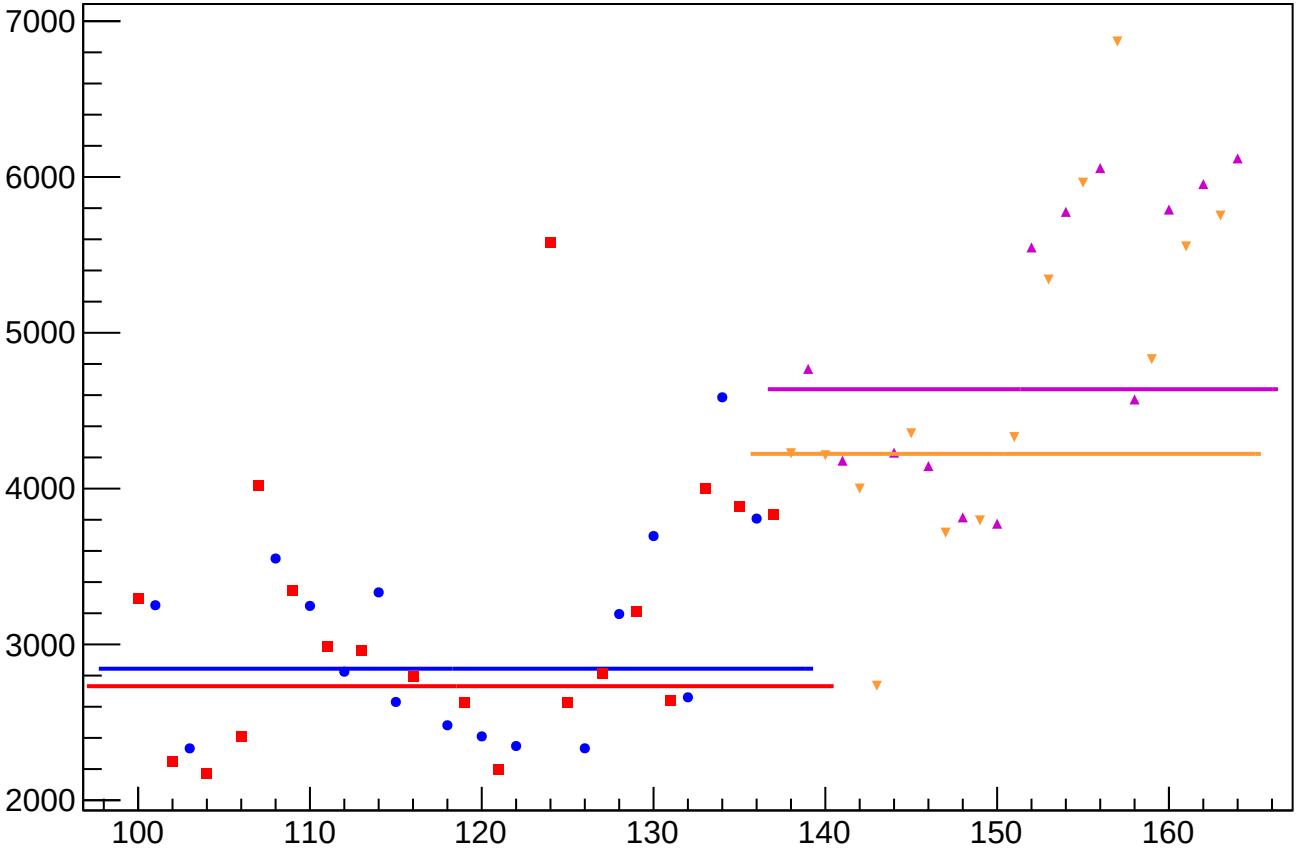
Left In: 1317.543+/-1426.876 χ^2/NDF:8.5/12

\+ sign 642.418+/-832.741 χ^2/NDF: 34.9/29

All: 626.992+/-587.983 χ^2/NDF: 61.7/61

\- 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: 4223.010+/-0.923 χ^2/NDF:1230732.9/13

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

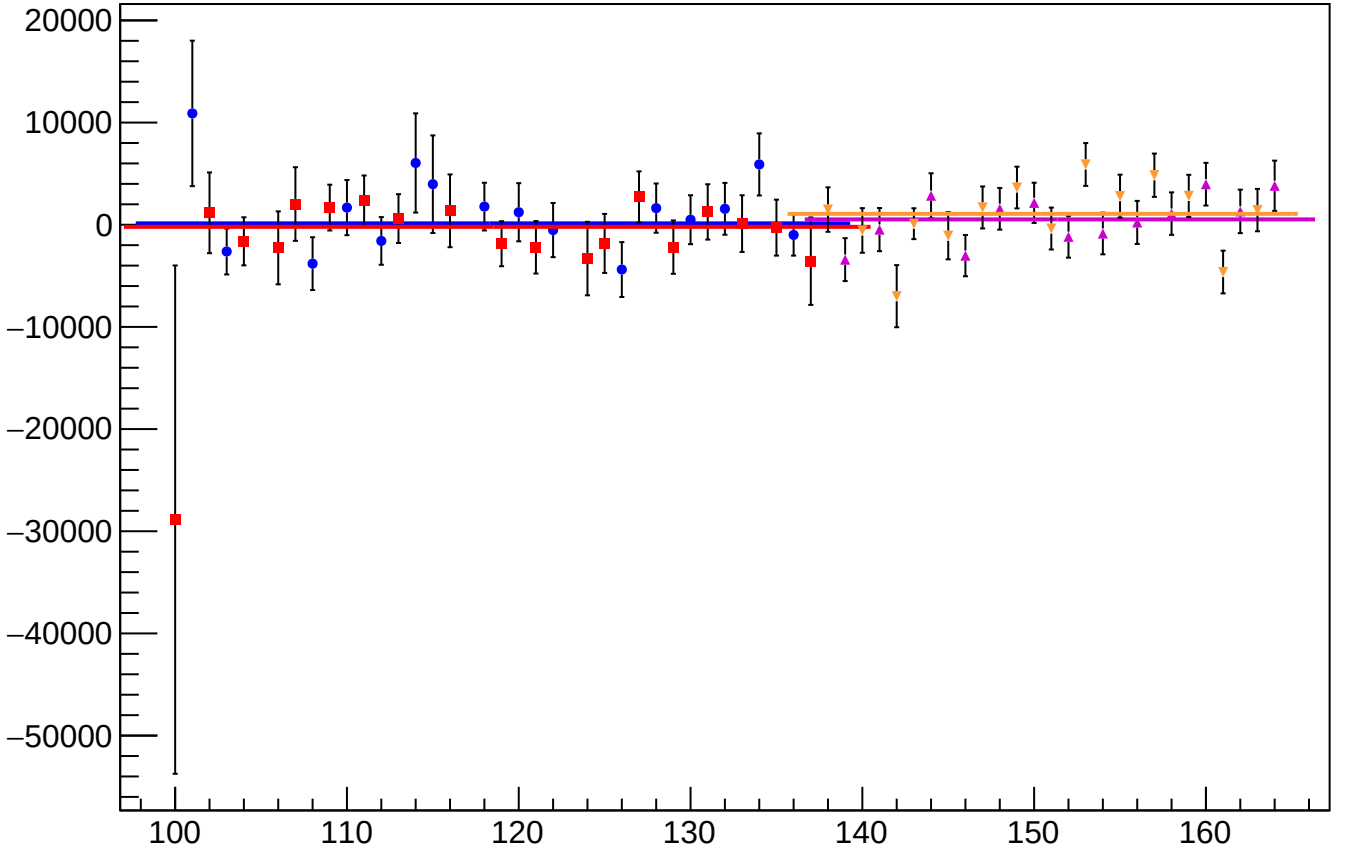
Left In: 4637.967+/-1.009 χ^2/NDF:653508.7/12

\+ sign 3405.485+/-0.589 χ^2/NDF: 3096287.8/29

All: 3391.407+/-0.416 χ^2/NDF: 6722365.4/61

\- 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: 1068.999+/-555.365 χ^2/NDF:28.4/13

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

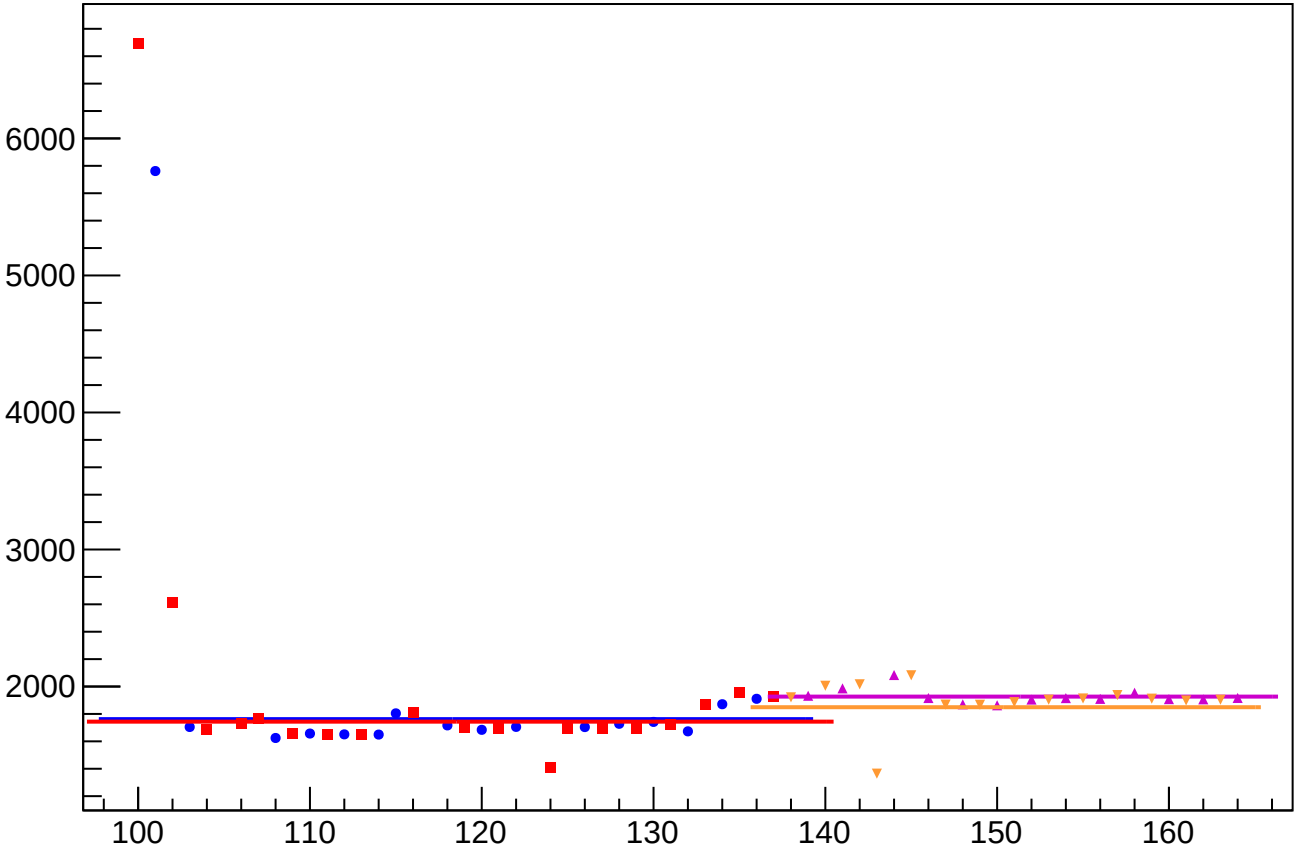
Left In: 522.605+/-581.887 χ^2/NDF:14.8/12

+ sign 689.235+/-427.994 χ^2/NDF: 46.8/29

All: 449.084+/-305.034 χ^2/NDF: 72.6/61

- 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: 1849.075+/-0.393 χ^2/NDF:257078.5/13

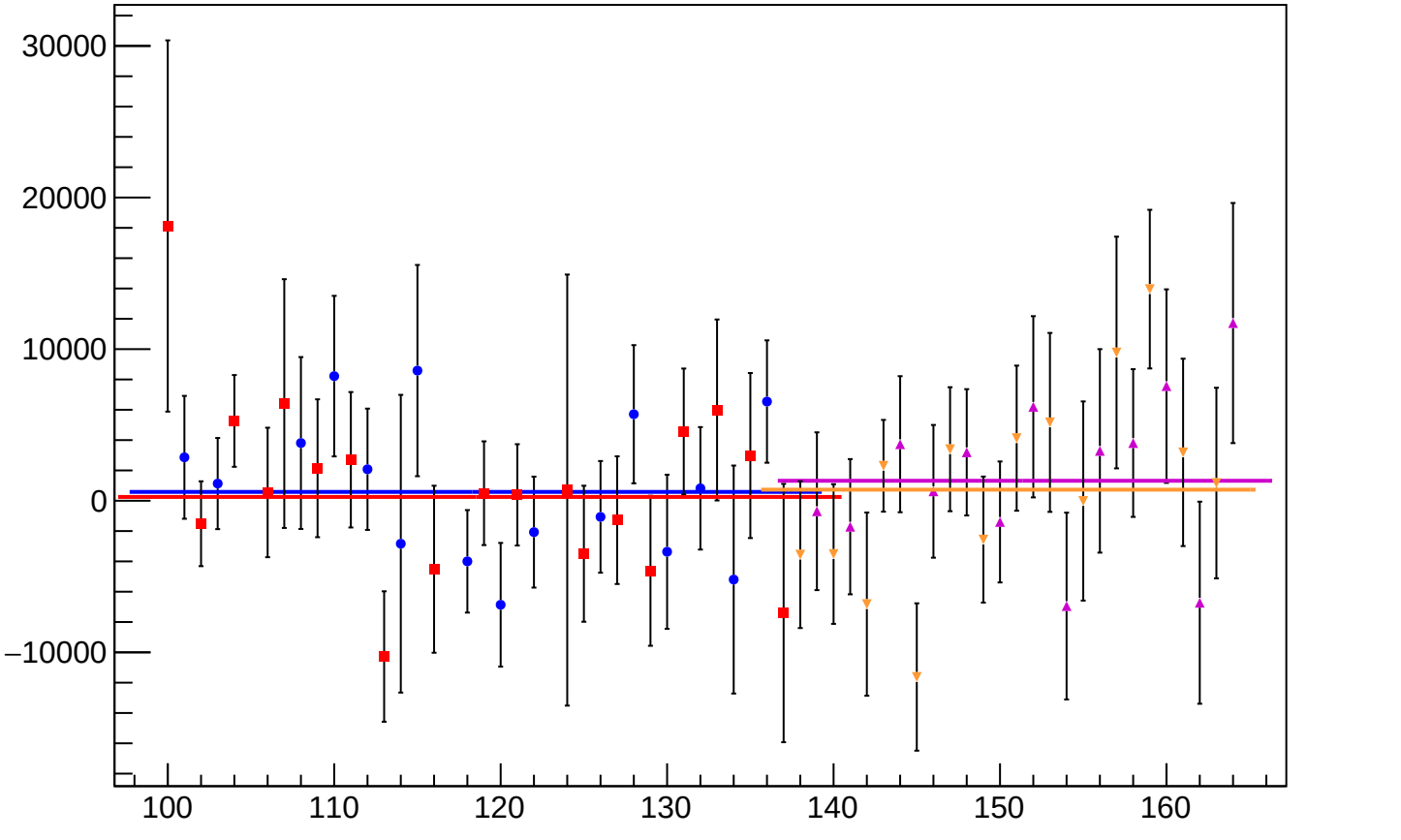
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.498+/-0.411 χ^2/NDF:16714.2/12

+ sign 1813.735+/-0.303 χ^2/NDF: 944717.1/29

All: 1829.405+/-0.216 χ^2/NDF: 1282038.1/61

- sign 1845.540+/-0.307 χ^2/NDF: 331879.6/31



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 730.090+/-1305.149 χ^2/NDF:20.0/13

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

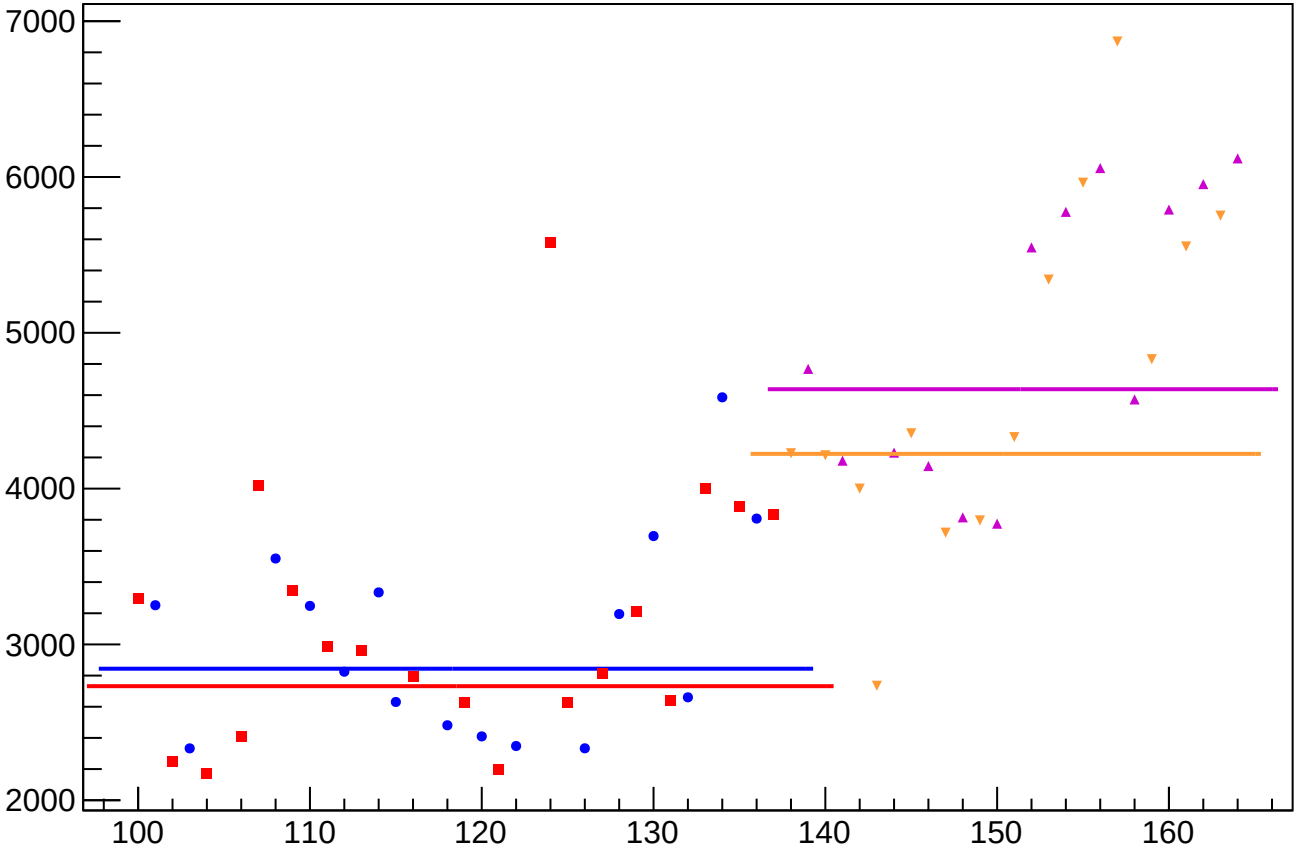
Left In: 1317.543+/-1426.878 χ^2/NDF:8.5/12

+ sign 642.417+/-832.740 χ^2/NDF: 34.9/29

All: 626.991+/-587.983 χ^2/NDF: 61.7/61

- sign 611.654+/-830.331 χ^2/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: 4223.014+/-0.923 χ^2/NDF:1230738.4/13

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

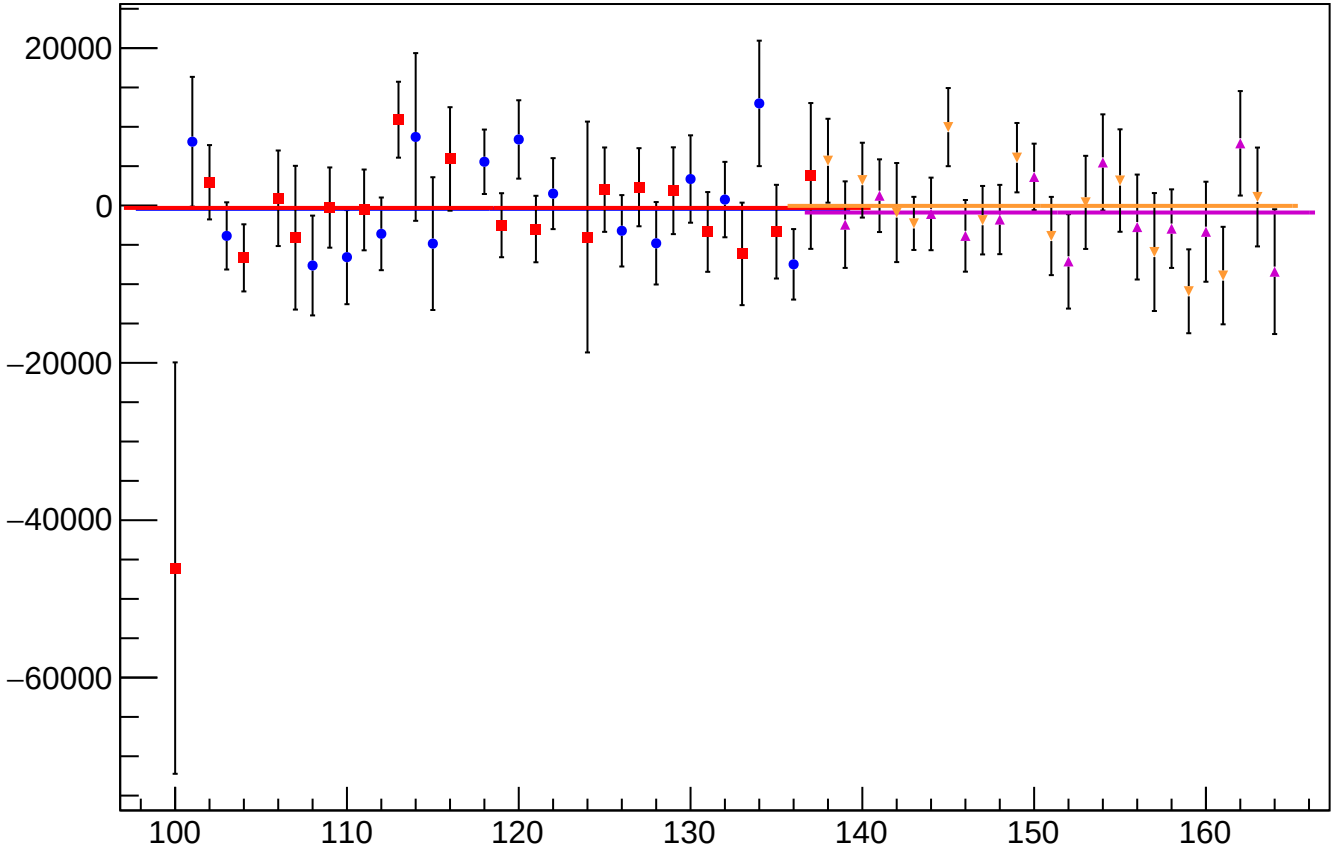
Left In: 4637.974+/-1.009 χ^2/NDF:653511.5/12

+ sign 3405.479+/-0.589 χ^2/NDF: 3096321.3/29

All: 3391.402+/-0.416 χ^2/NDF: 6722427.2/61

- 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: -49.290+/-1368.354 χ^2/NDF:15.9/13

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

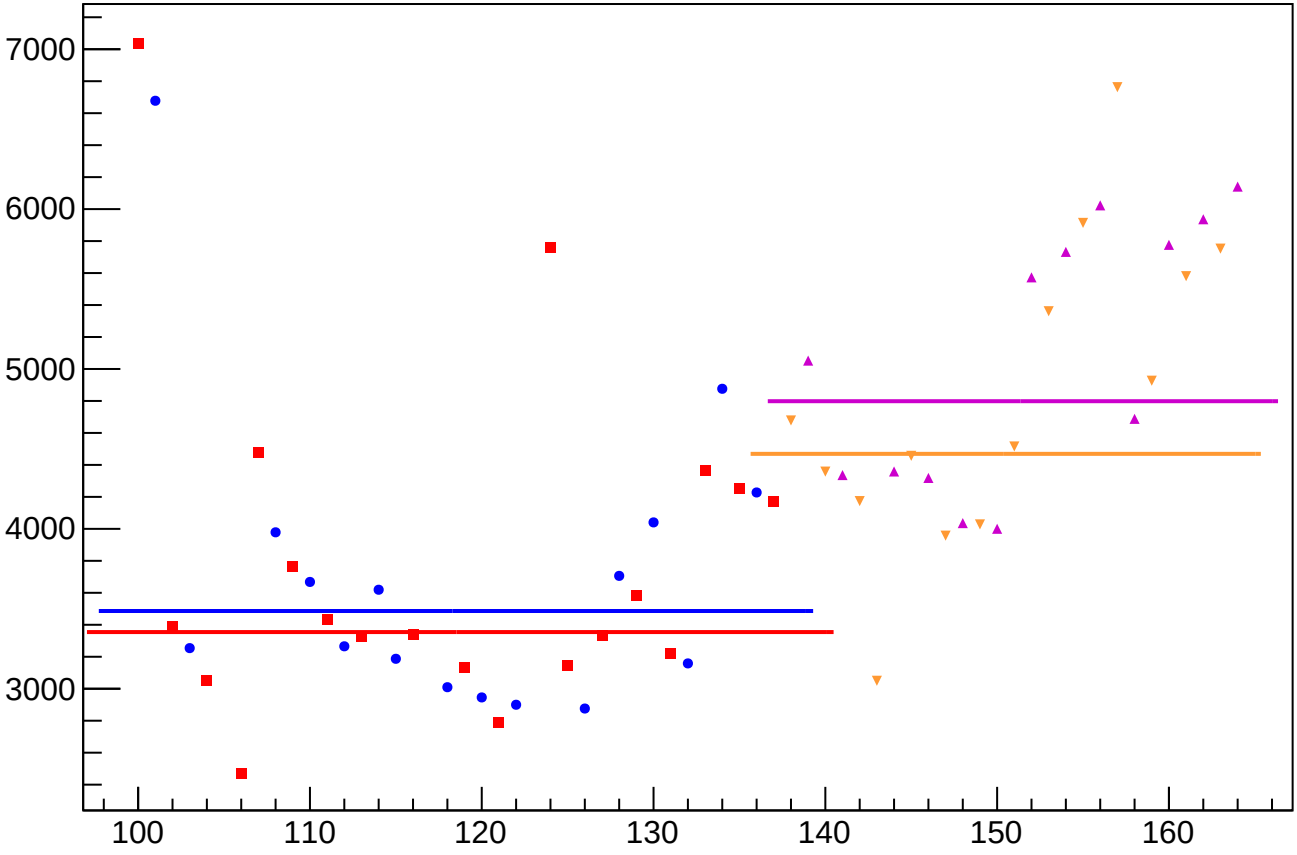
Left In: -894.750+/-1469.461 χ^2/NDF:7.1/12

+ sign -241.908+/-952.711 χ^2/NDF: 33.9/29

All: -399.224+/-677.394 χ^2/NDF: 56.4/61

- 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: 4469.134+/-0.968 χ^2/NDF:903663.0/13

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

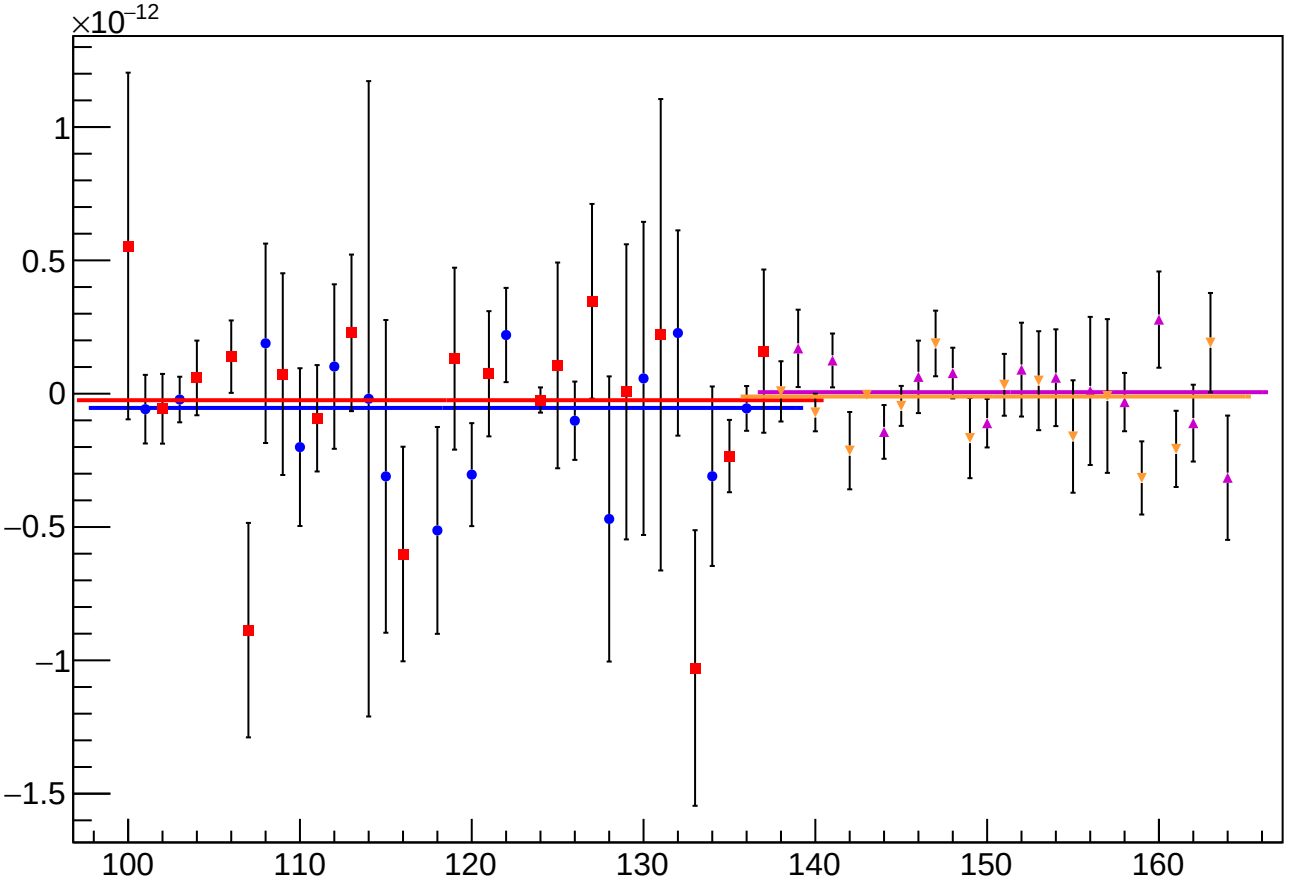
Left In: 4798.451+/-1.039 χ^2/NDF:507782.1/12

+ sign 3962.667+/-0.674 χ^2/NDF: 2031222.5/29

All: 3963.887+/-0.477 χ^2/NDF: 4030011.2/61

- 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:15.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

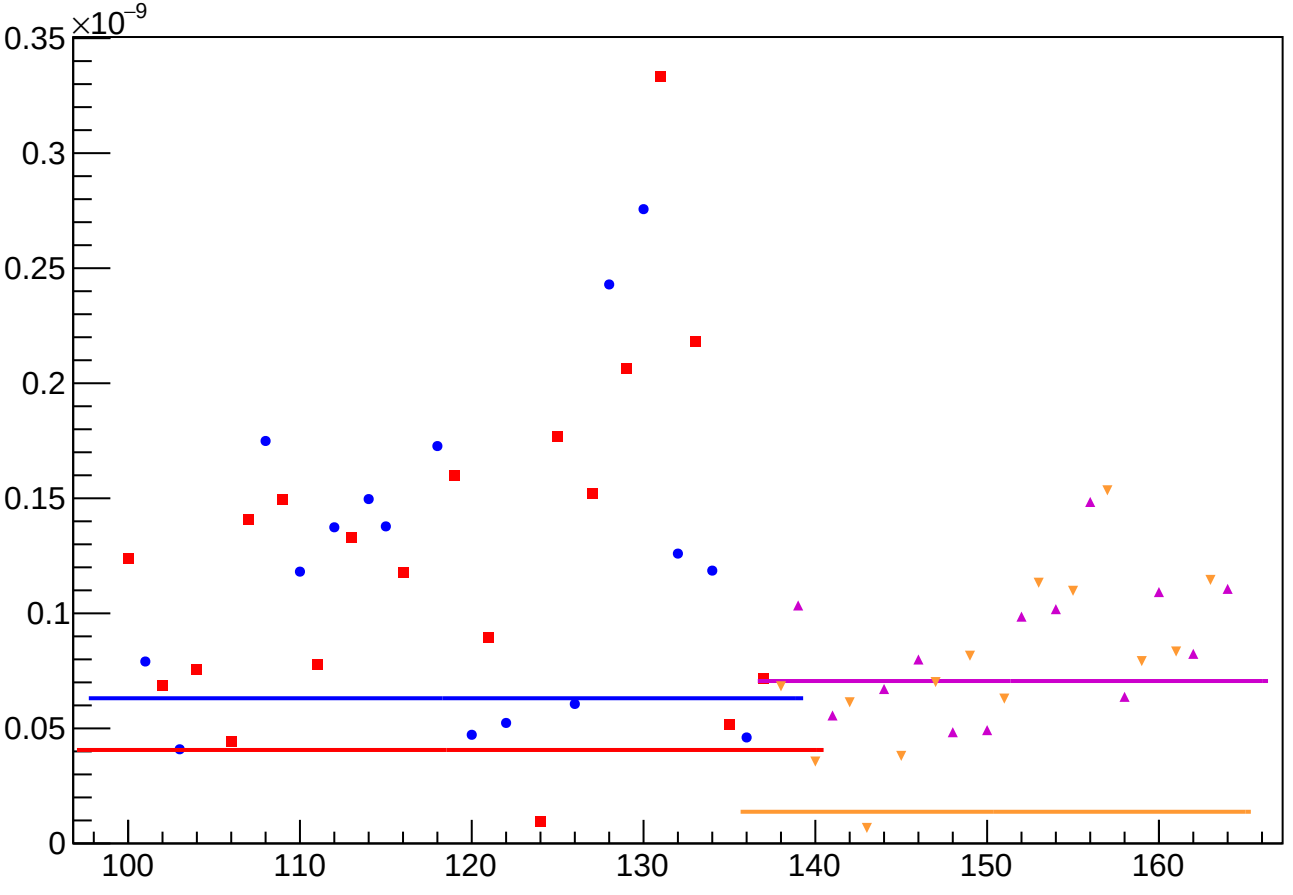
Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/29

All: -0.000+/-0.000 χ^2/NDF: 56.3/61

- 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:5836761.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

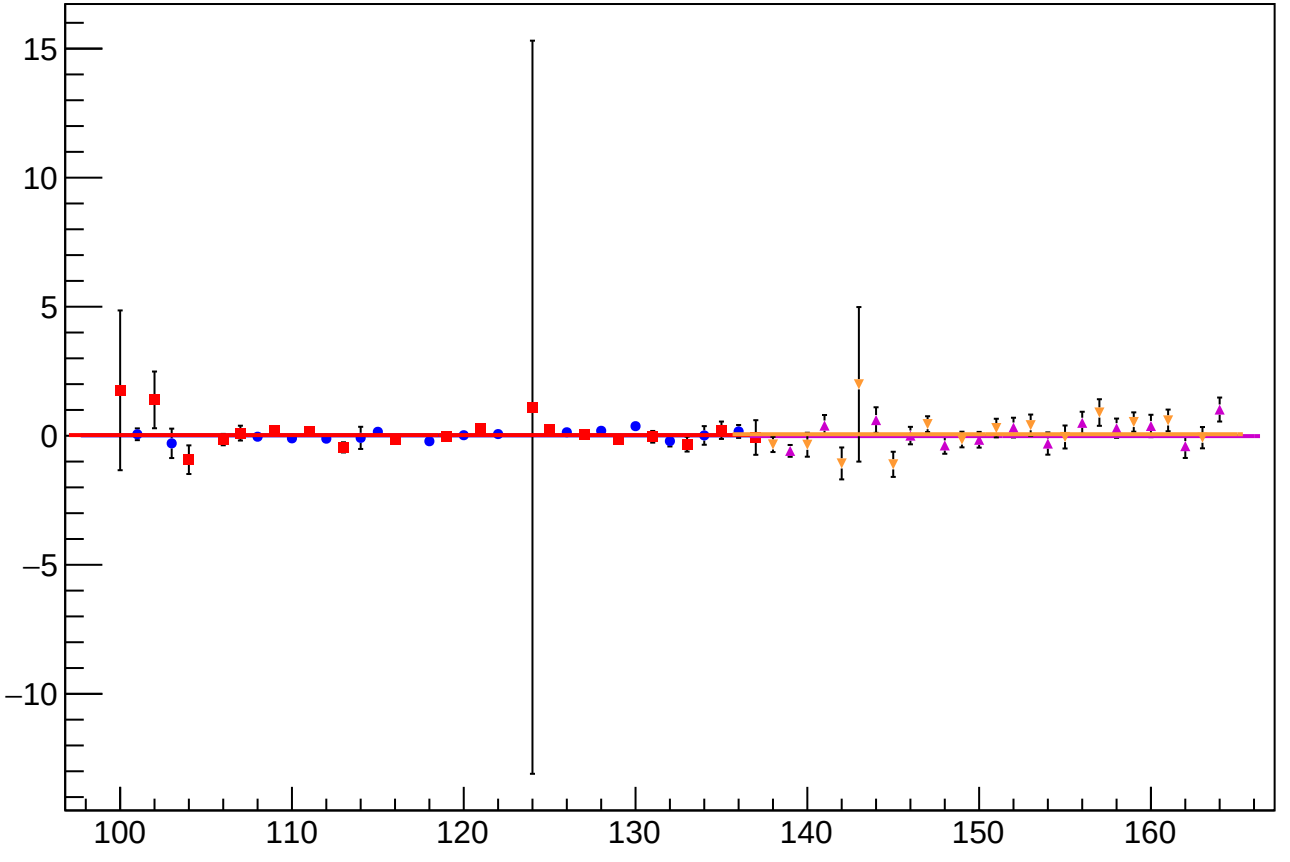
Left In: 0.000+/-0.000 χ^2/NDF:816595.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 9562199.0/29

All: 0.000+/-0.000 χ^2/NDF: 18090335.0/61

- 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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

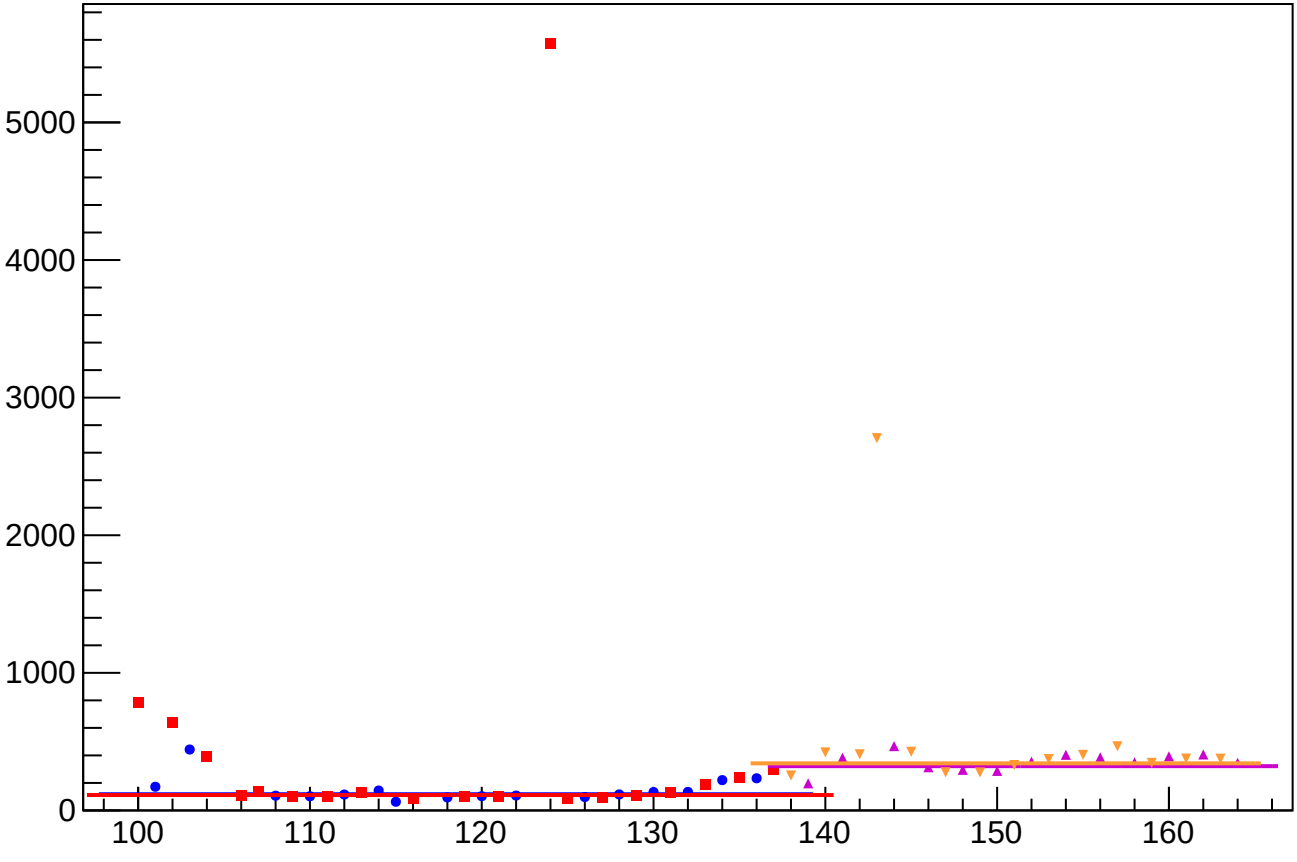
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.021+/-0.030 χ^2/NDF: 75.5/61

- 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: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

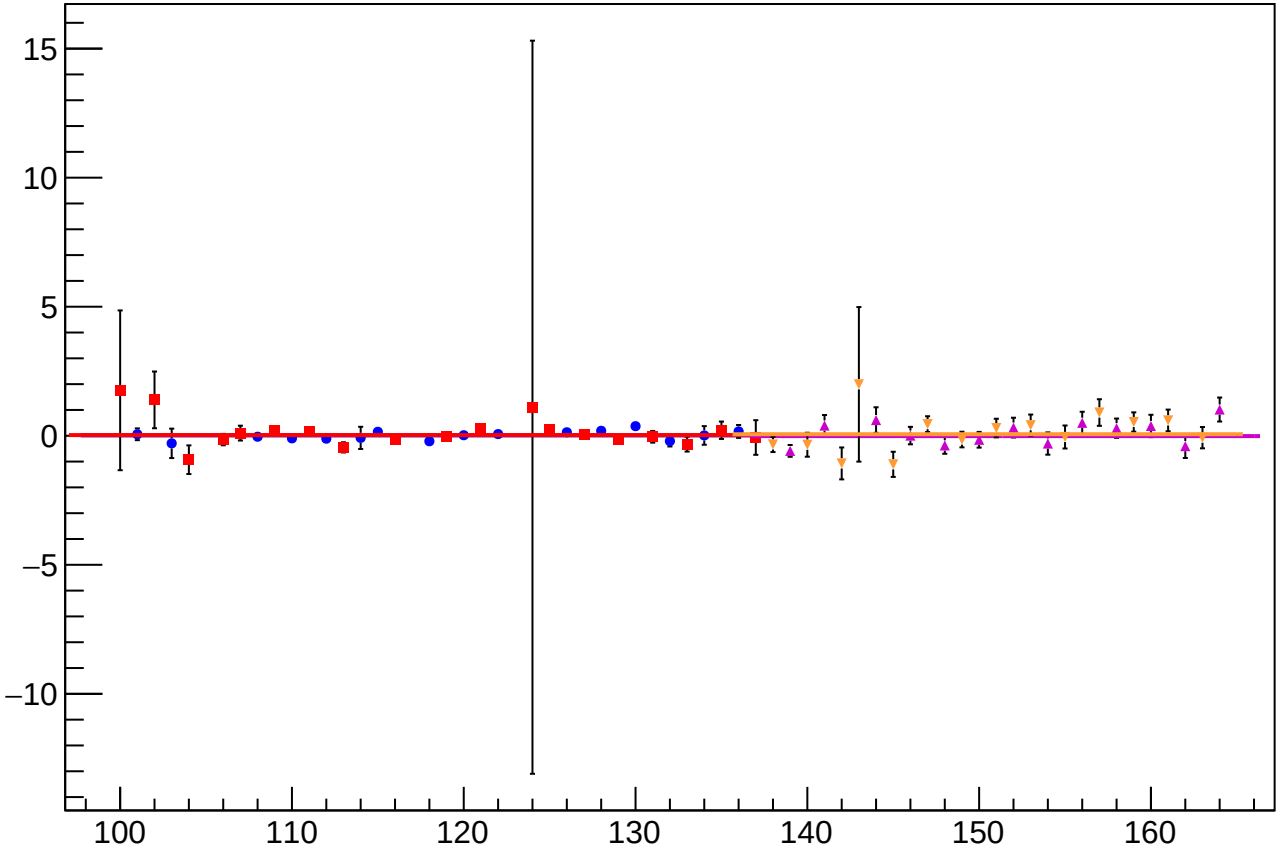
Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

+ sign 154.582+/-0.031 χ^2/NDF: 10904503.7/29

All: 151.795+/-0.022 χ^2/NDF: 21313588.7/61

- 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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

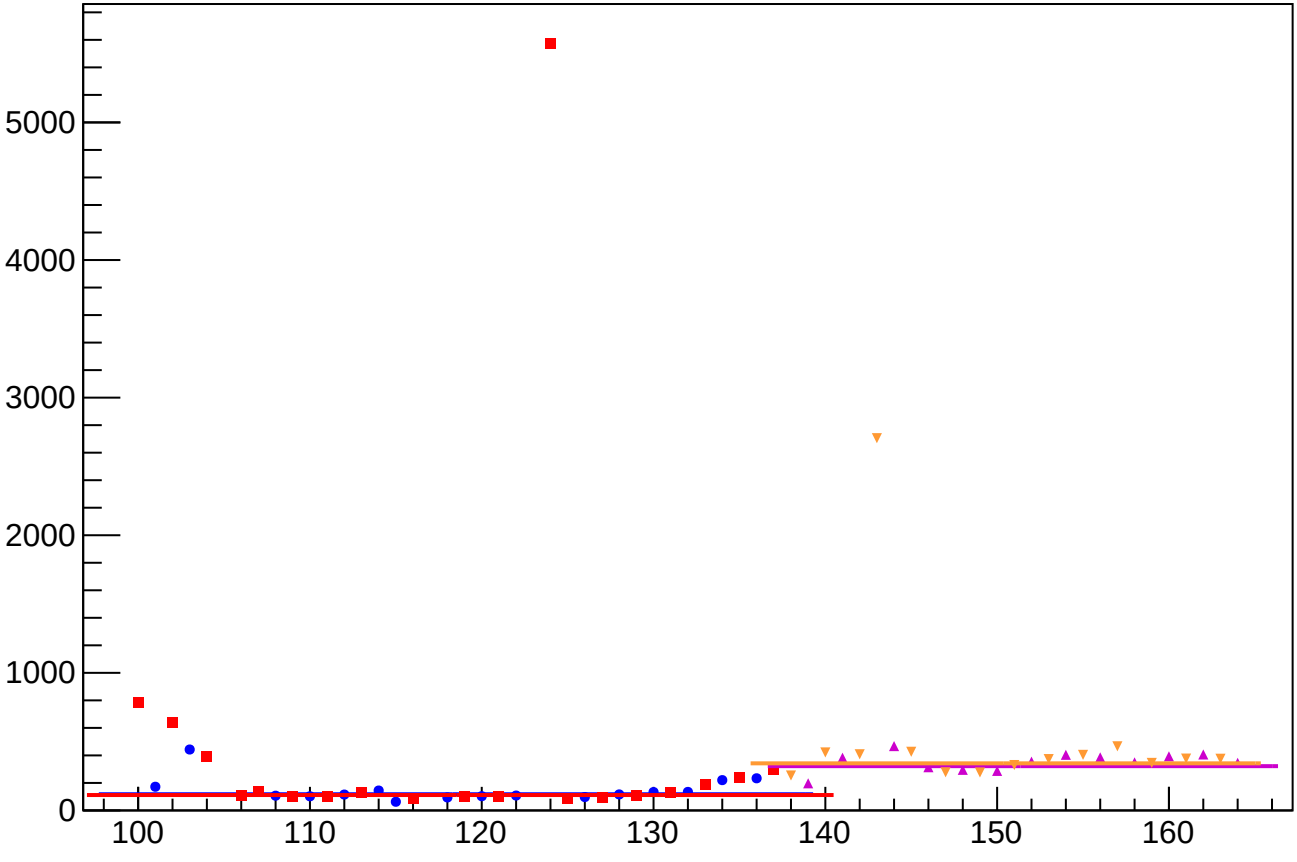
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

\+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.021+/-0.030 χ^2/NDF: 75.5/61

\- 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: 342.387+/-0.076 χ^2/NDF:1945030.3/13

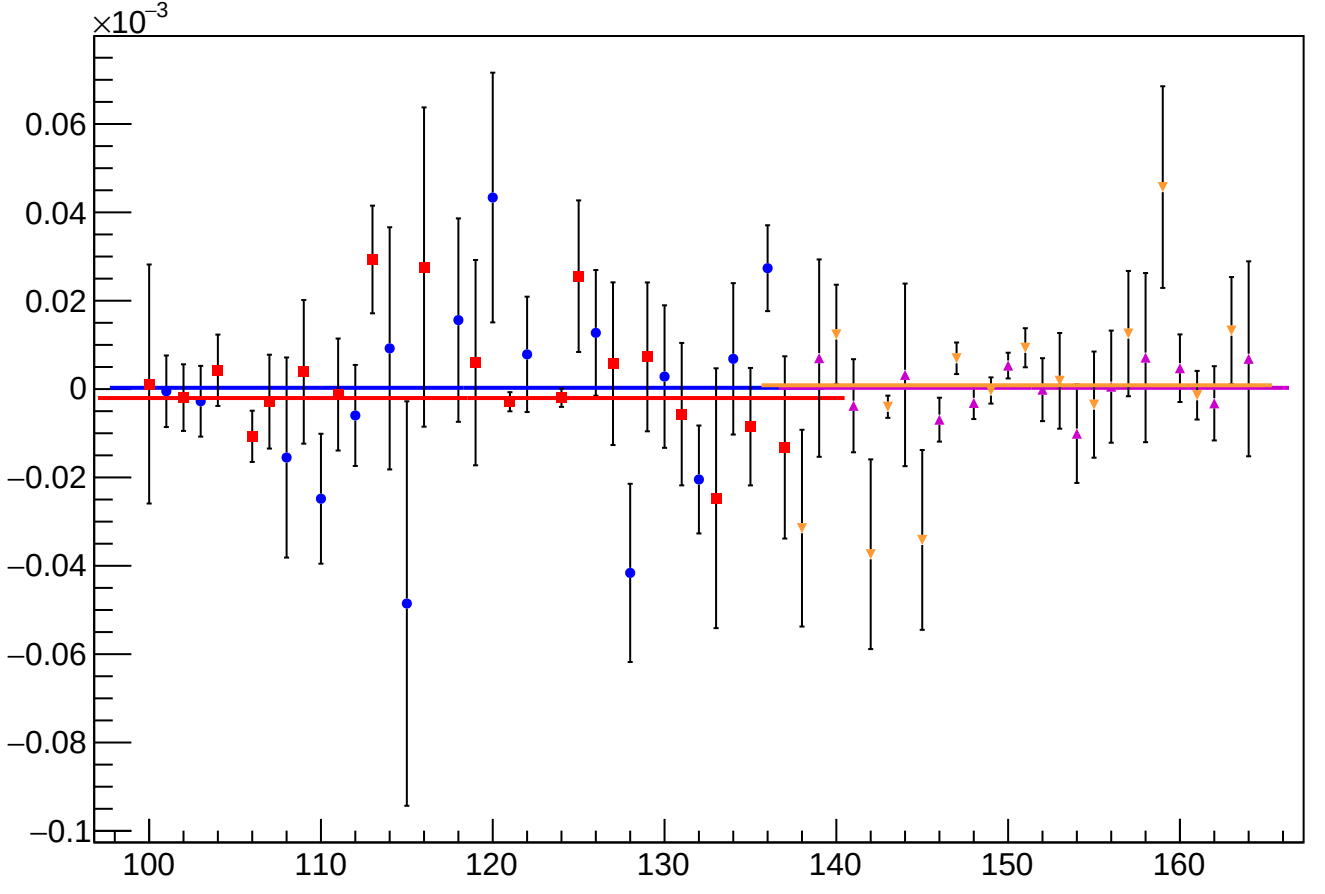
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

+ sign 154.582+/-0.031 χ^2/NDF: 10904503.7/29

All: 151.795+/-0.022 χ^2/NDF: 21313588.7/61

- 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:25.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

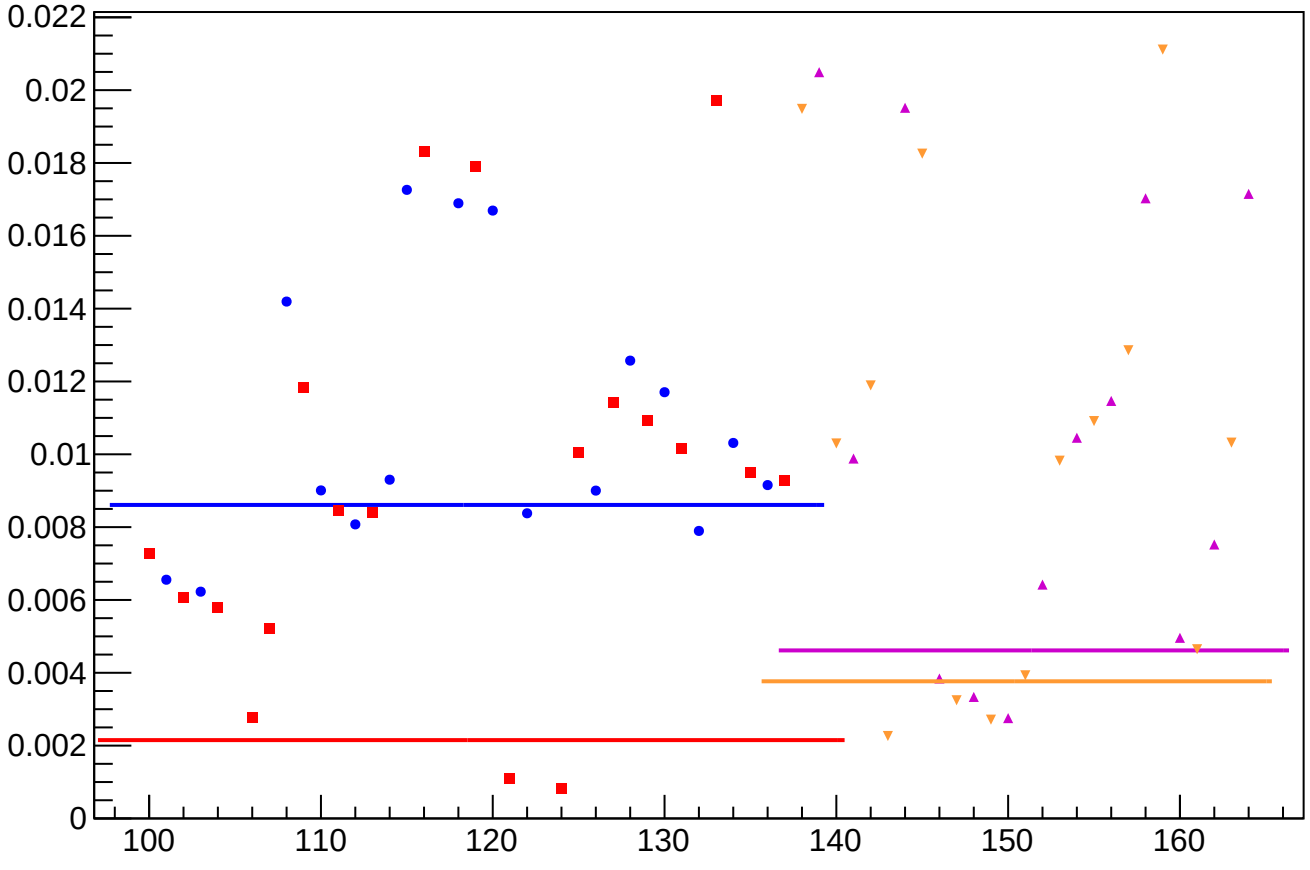
Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/29

All: -0.000+/-0.000 χ^2/NDF: 74.8/61

- 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:7925556.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

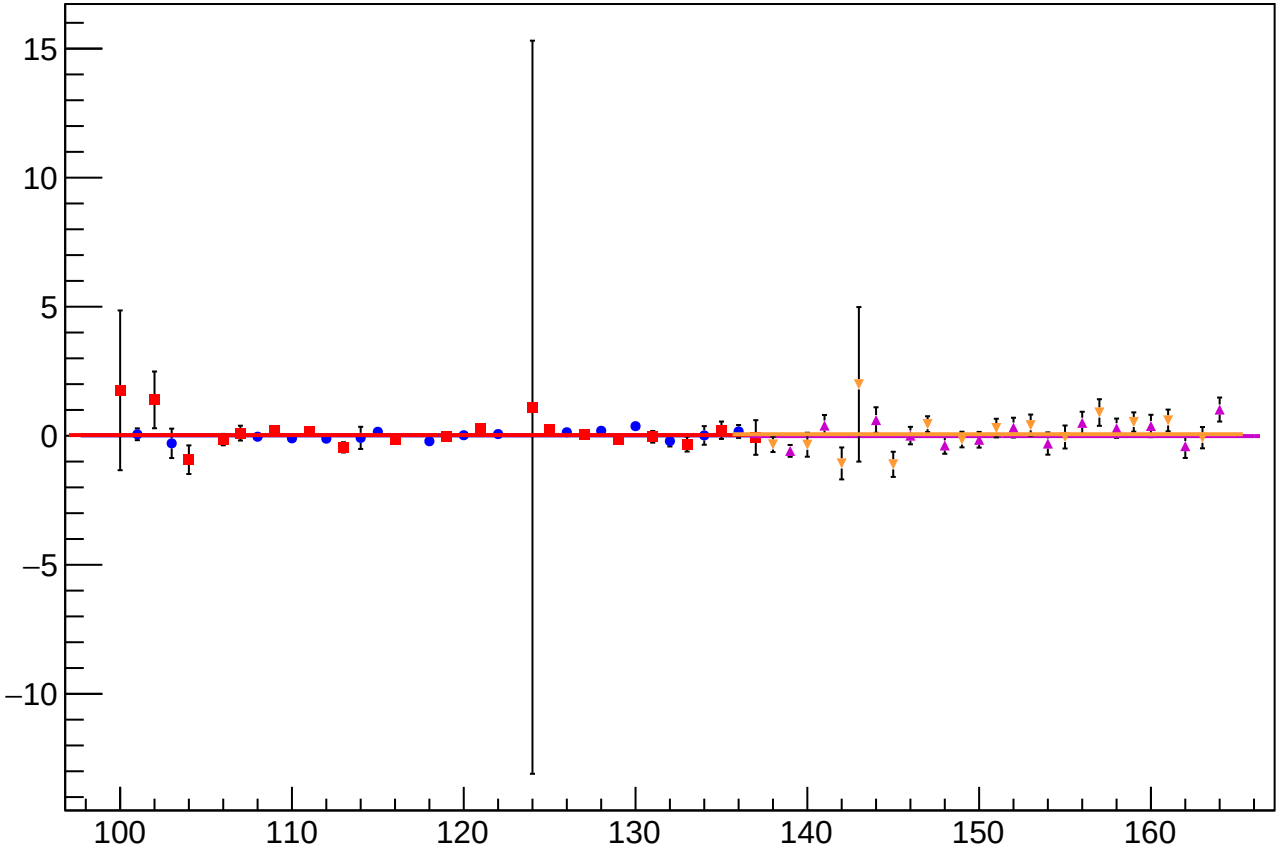
Left In: 0.005+/-0.000 χ^2/NDF:6649721.2/12

+ sign 0.005+/-0.000 χ^2/NDF: 12519778.4/29

All: 0.004+/-0.000 χ^2/NDF: 32209131.1/61

- sign 0.003+/-0.000 χ^2/NDF: 18190281.2/31

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

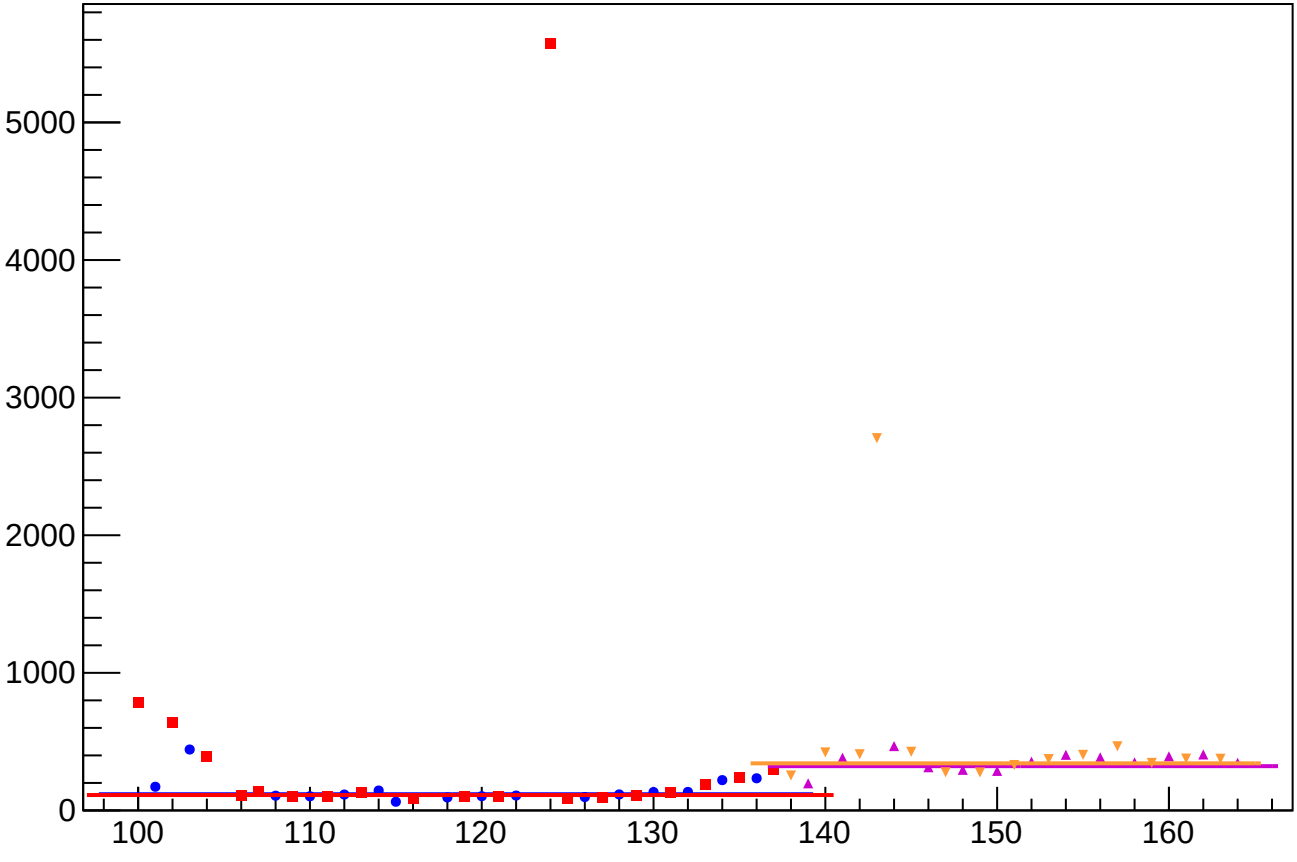
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

\+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.021+/-0.030 χ^2/NDF: 75.5/61

\- 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: 342.391+/-0.076 χ^2/NDF:1945076.5/13

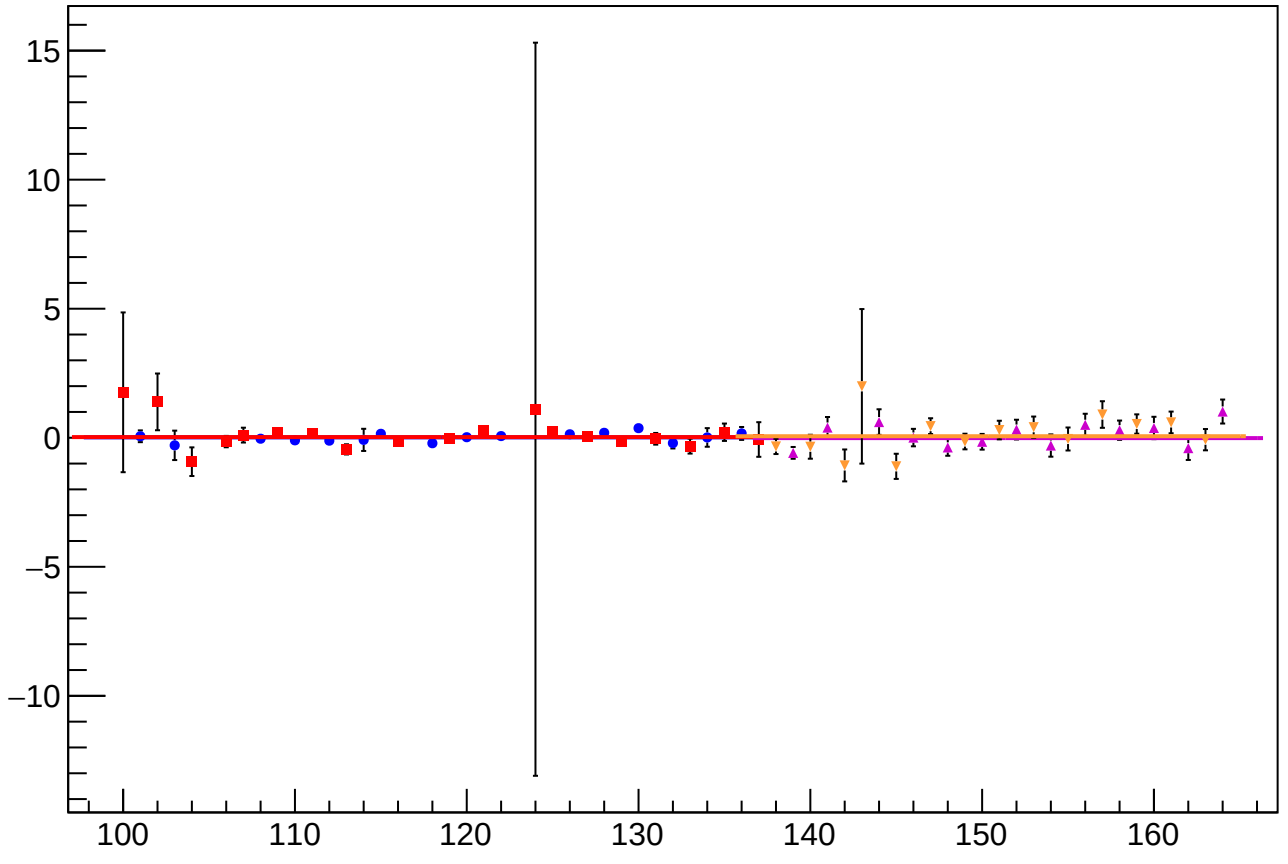
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

+ sign 154.582+/-0.031 χ^2/NDF: 10904611.8/29

All: 151.796+/-0.022 χ^2/NDF: 21313626.5/61

- 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: 0.059+/-0.108 χ^2/NDF:21.4/13

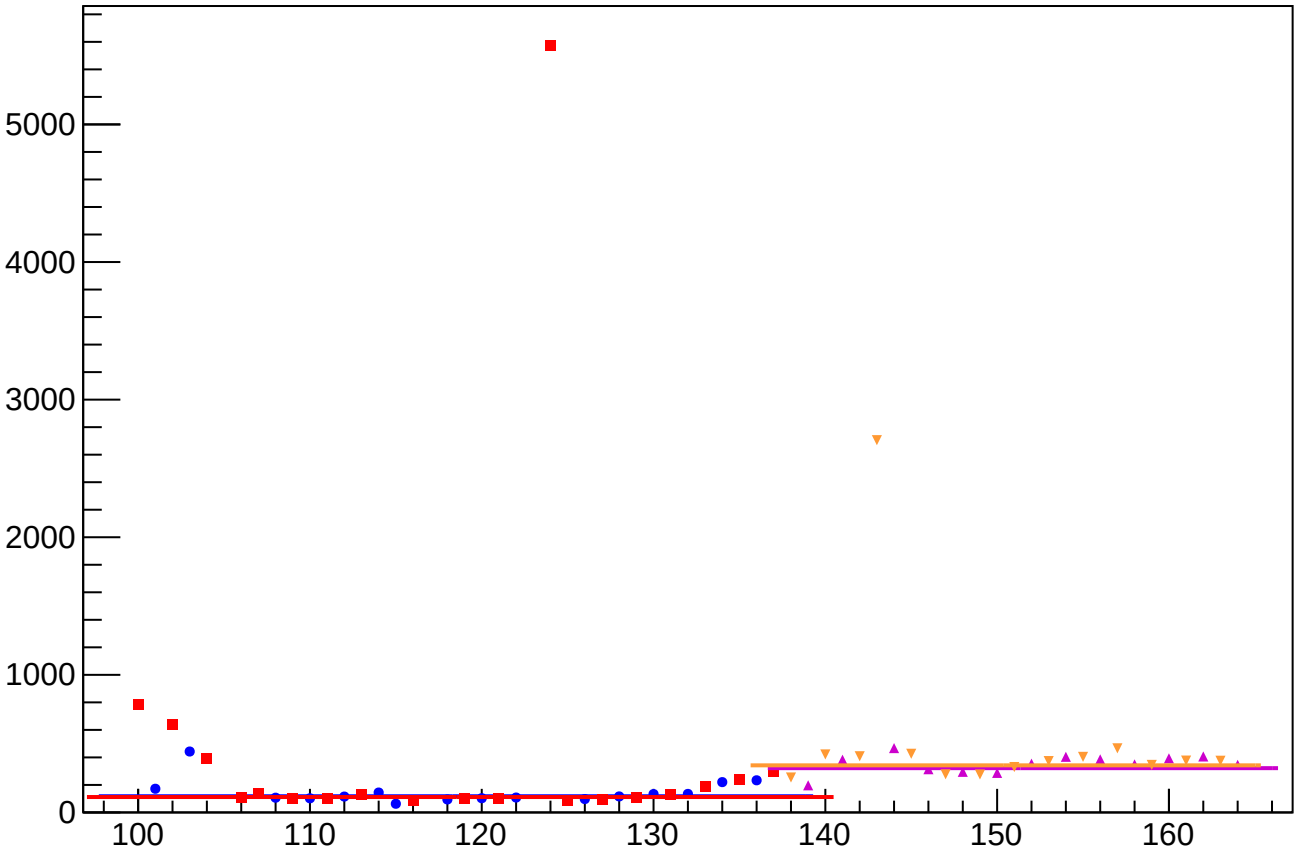
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.021+/-0.030 χ^2/NDF: 75.5/61

- 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: 342.391+/-0.076 χ^2/NDF:1945076.5/13

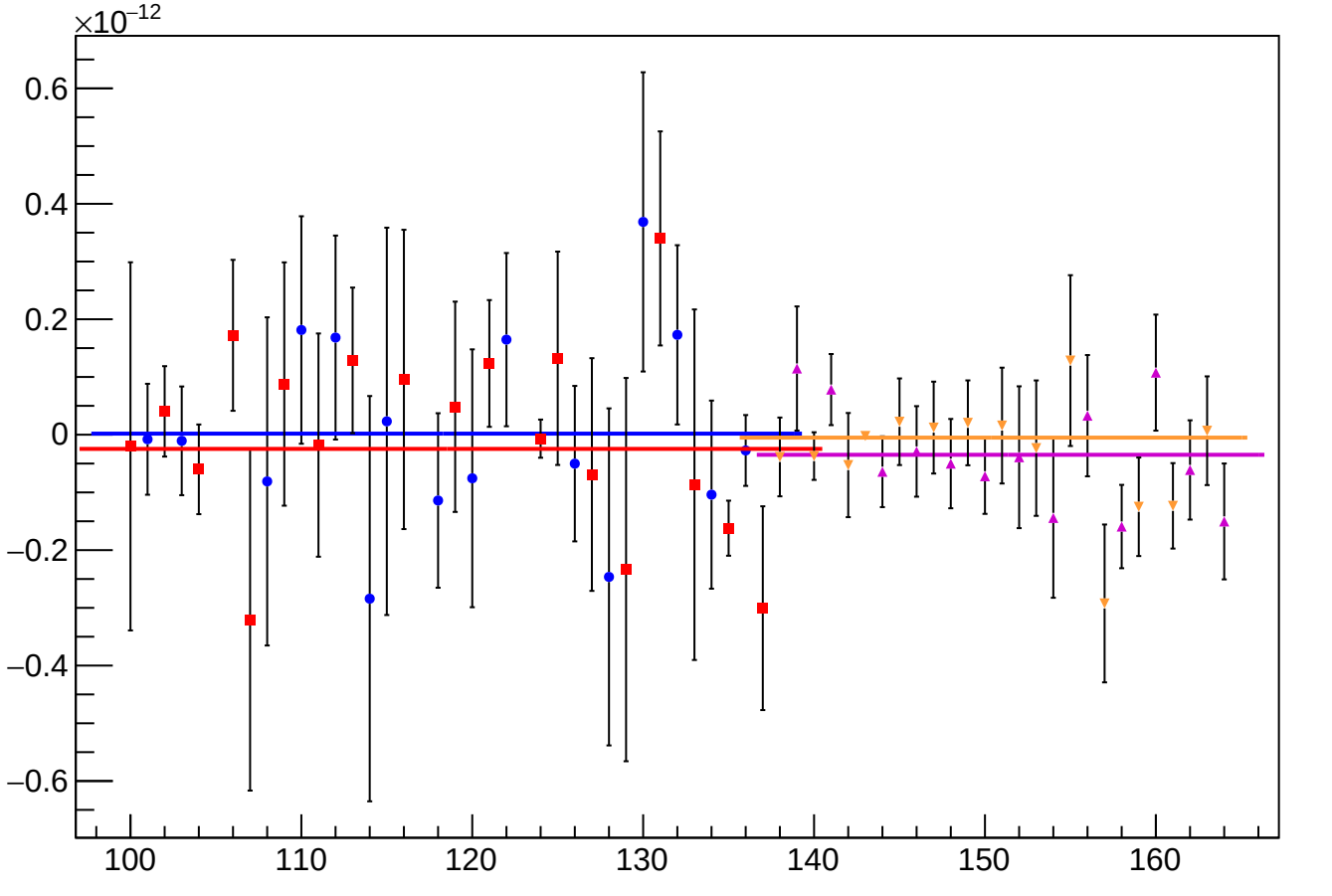
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

+ sign 154.582+/-0.031 χ^2/NDF: 10904611.8/29

All: 151.796+/-0.022 χ^2/NDF: 21313626.5/61

- sign 149.171+/-0.030 χ^2/NDF: 10393291.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

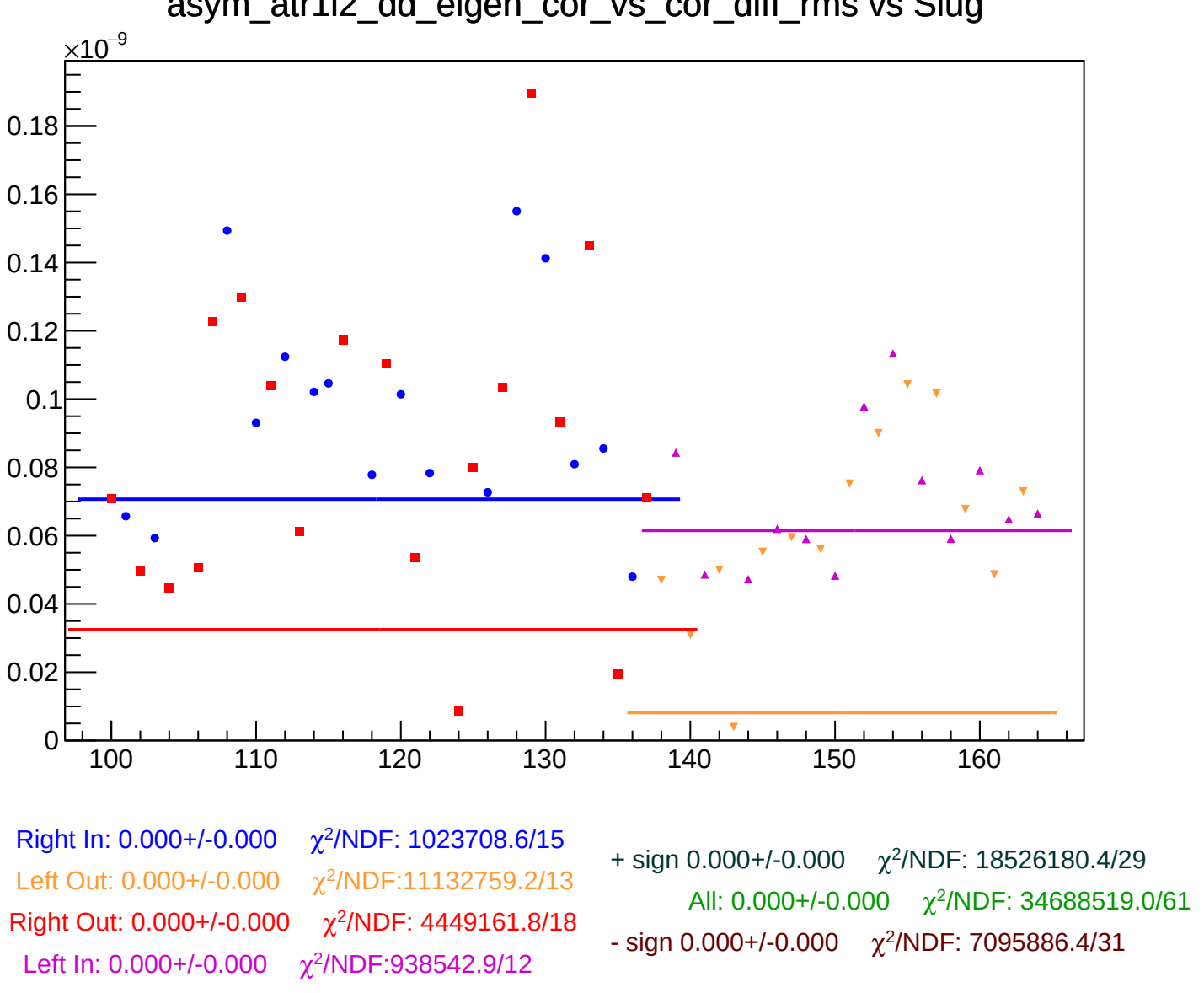
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/12

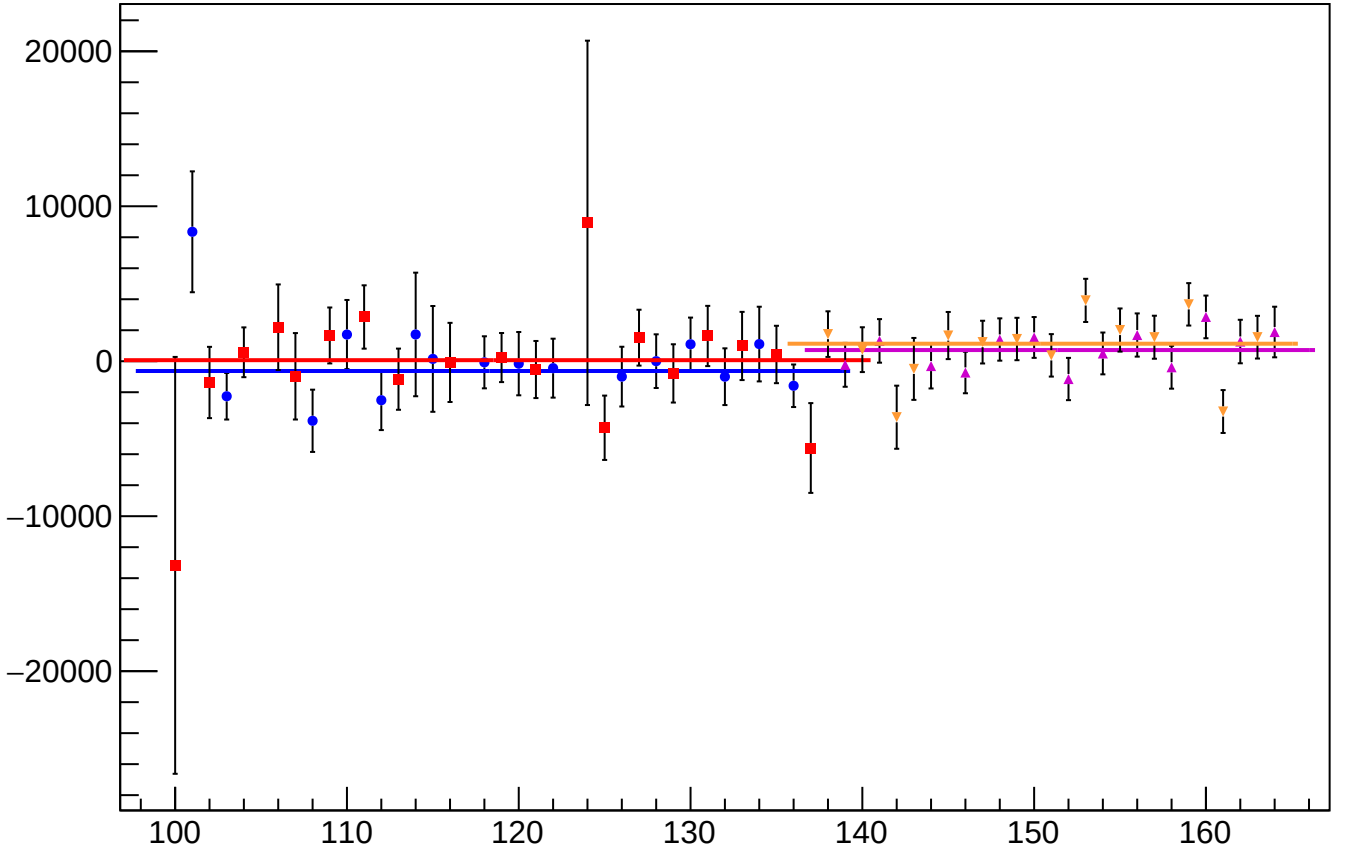
+ sign -0.000+/-0.000 χ^2/NDF: 20.6/29

All: -0.000+/-0.000 χ^2/NDF: 60.4/61

- sign -0.000+/-0.000 χ^2/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:11132759.2/13
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: 18526180.4/29
All: 0.000+/-0.000 χ²/NDF: 34688519.0/61
- 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: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

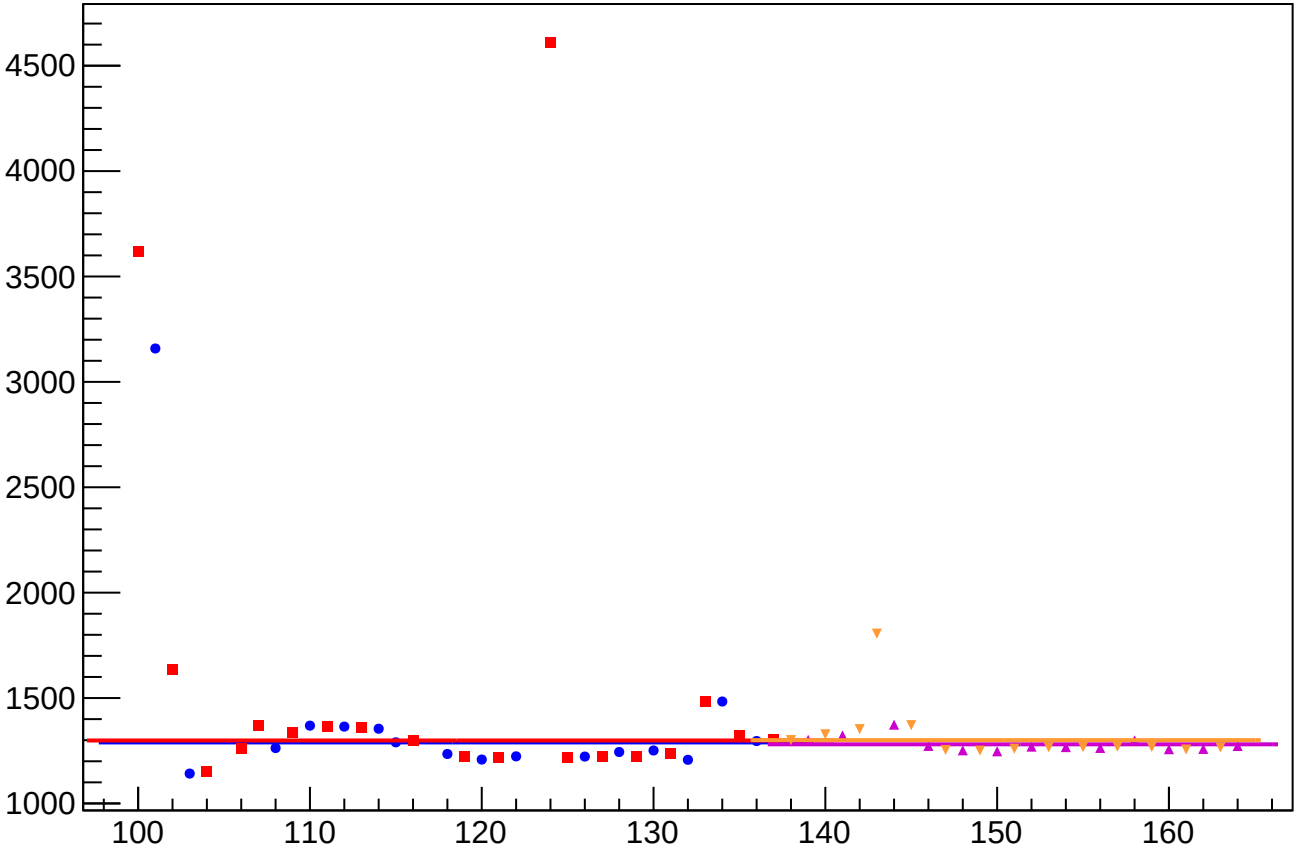
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 457.312+/-214.832 χ^2/NDF: 72.7/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

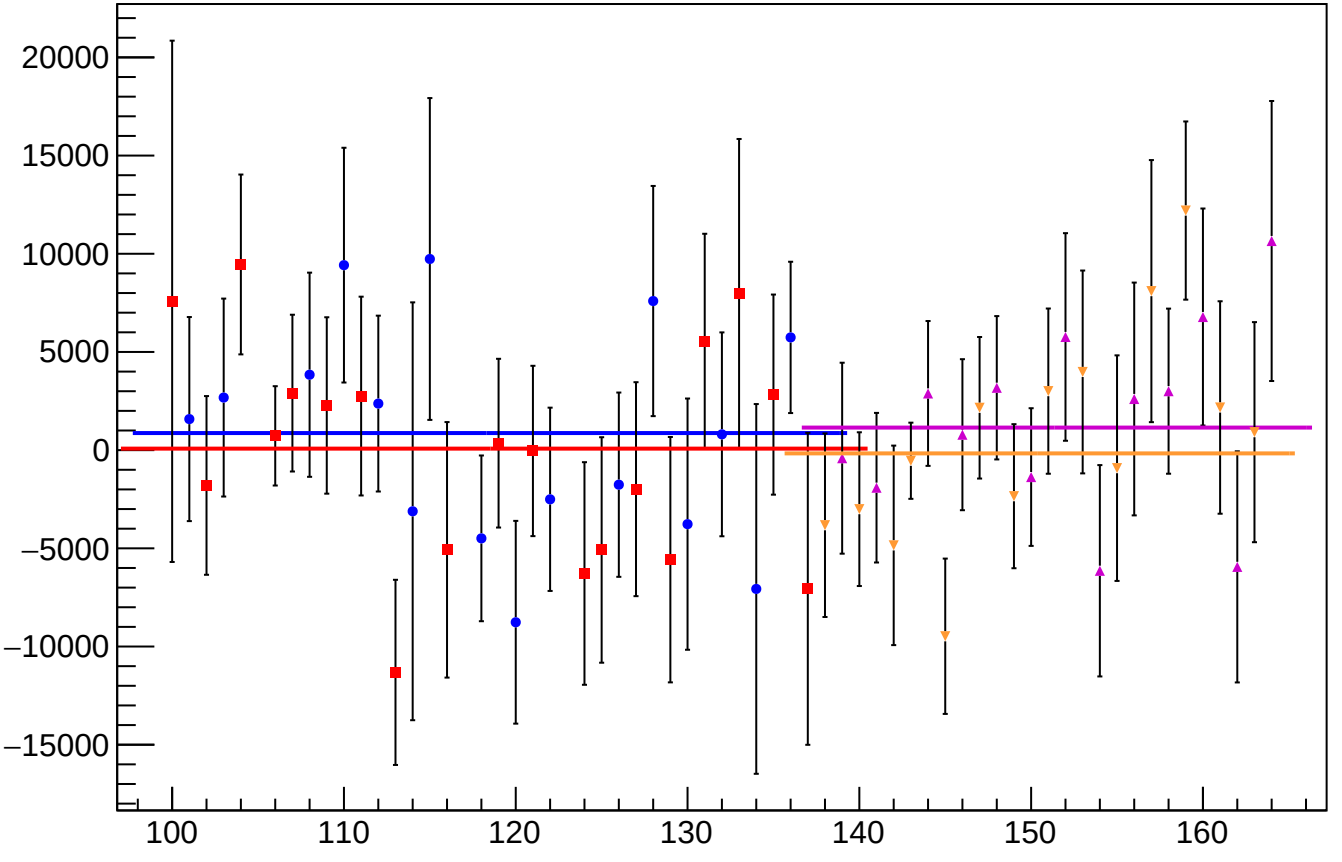
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61

- sign 1287.508+/-0.214 χ^2/NDF: 335902.4/31

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

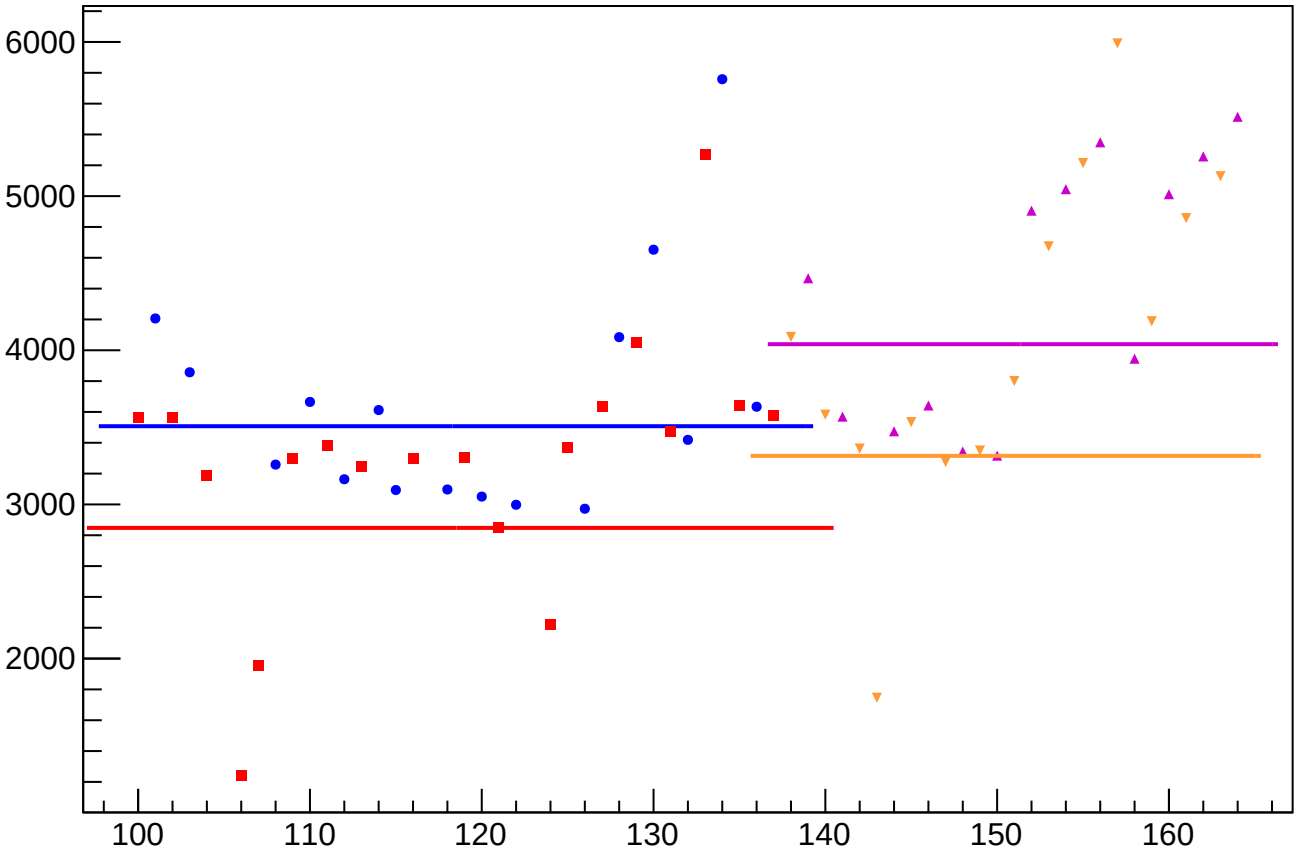
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1148.780+/-1244.618 χ^2/NDF:8.9/12

+ sign 238.049+/-827.147 χ^2/NDF: 33.2/29

All: 394.953+/-585.485 χ^2/NDF: 60.9/61

- 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: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

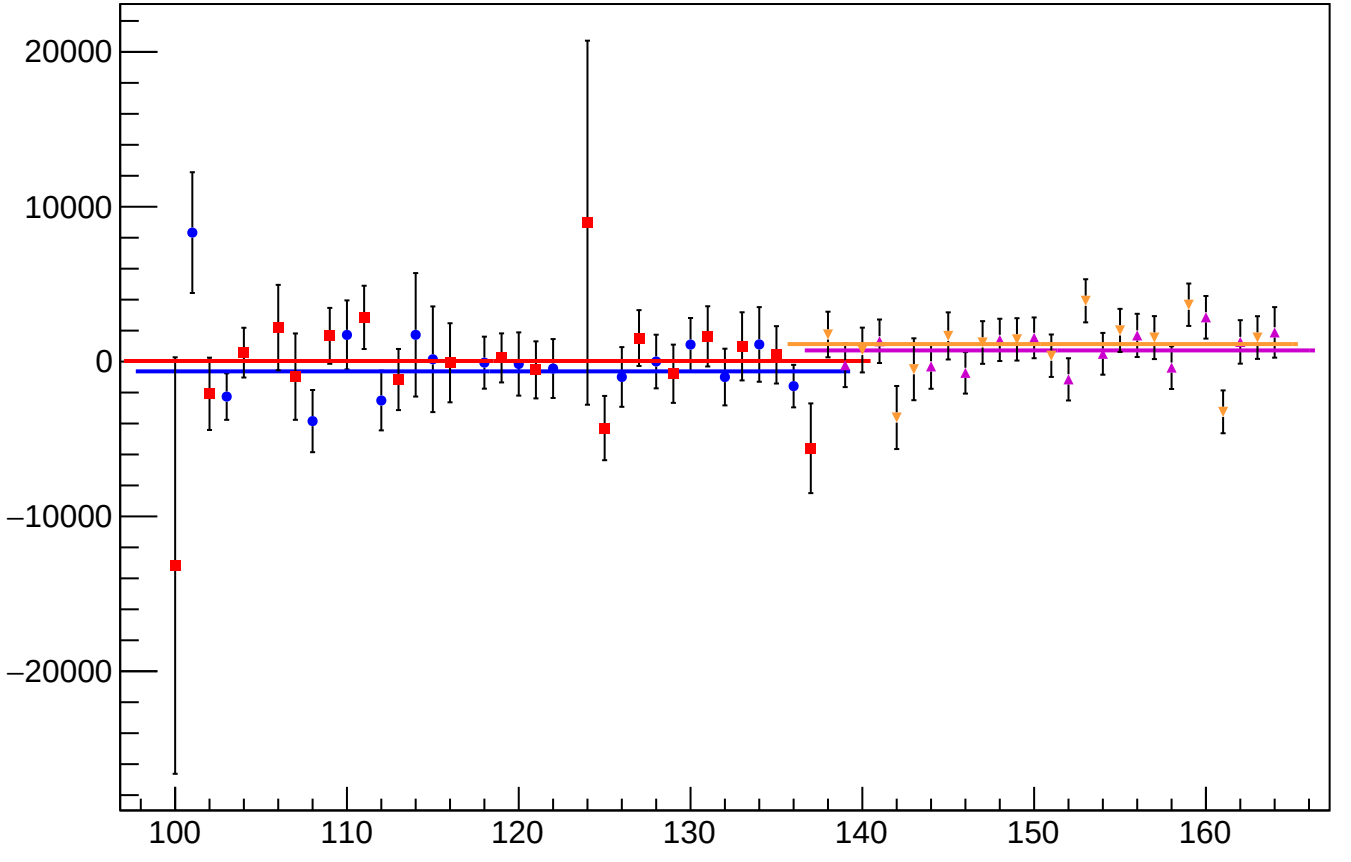
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3383.159+/-0.414 χ^2/NDF: 6158335.0/61

- 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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

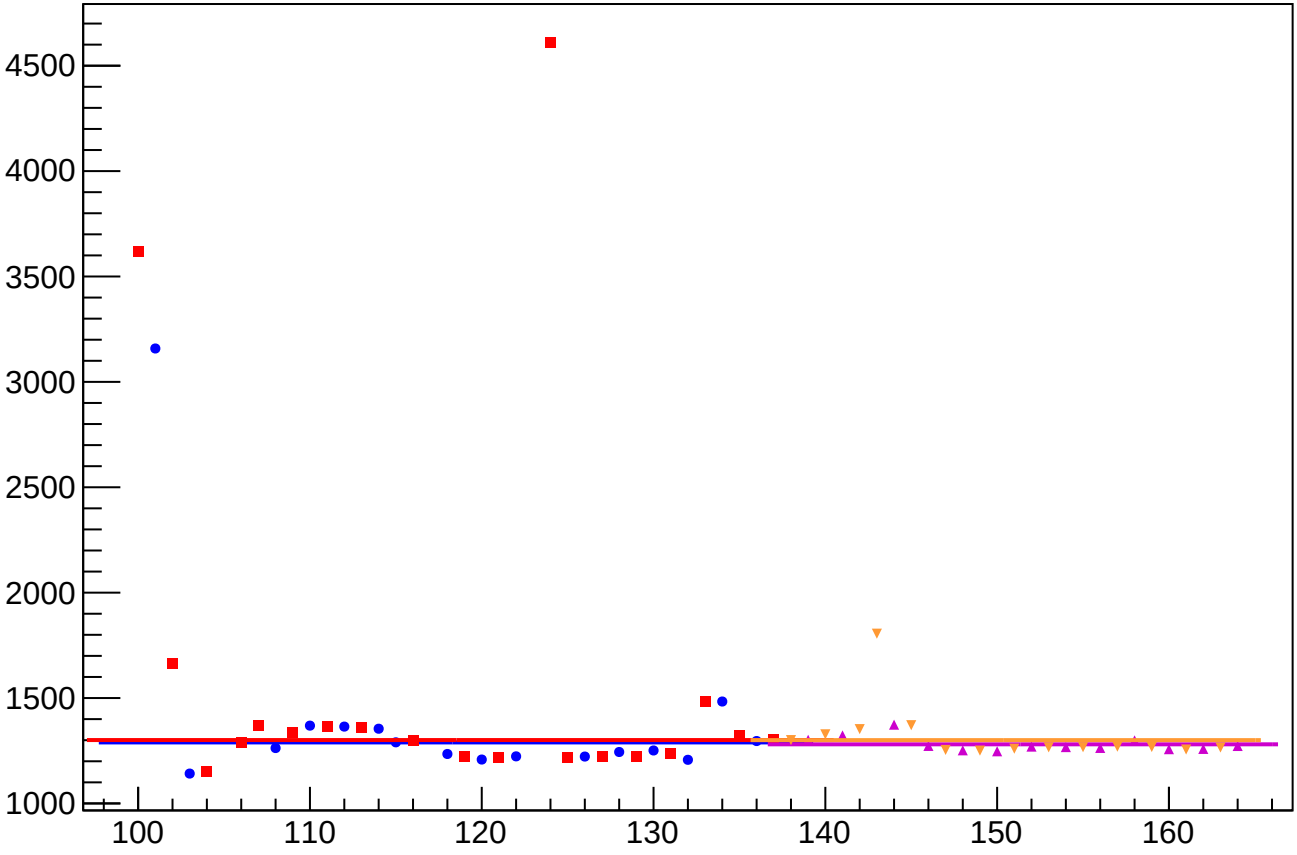
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

\+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

\- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

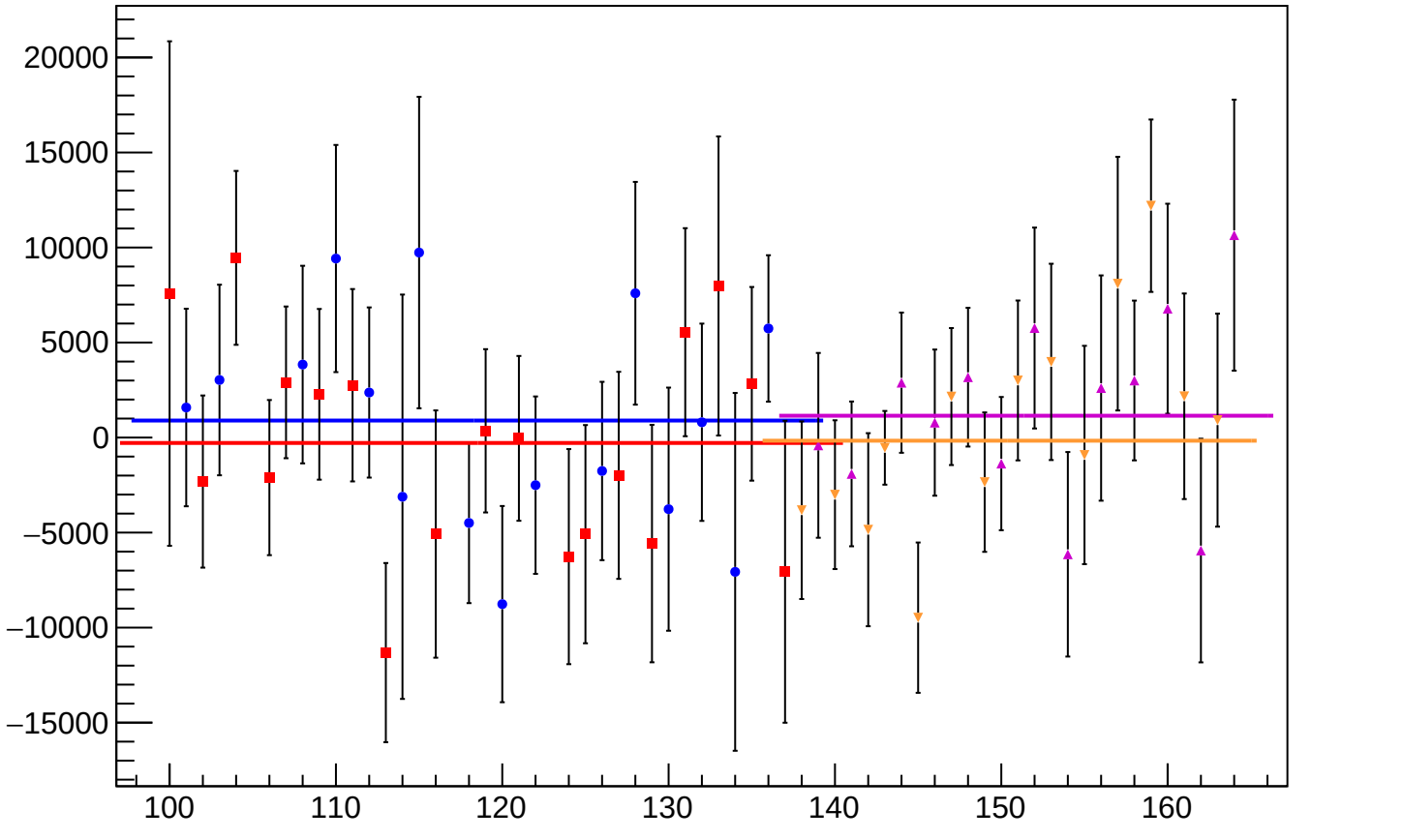
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- 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: -165.293+/-1058.652 χ^2/NDF:18.8/13

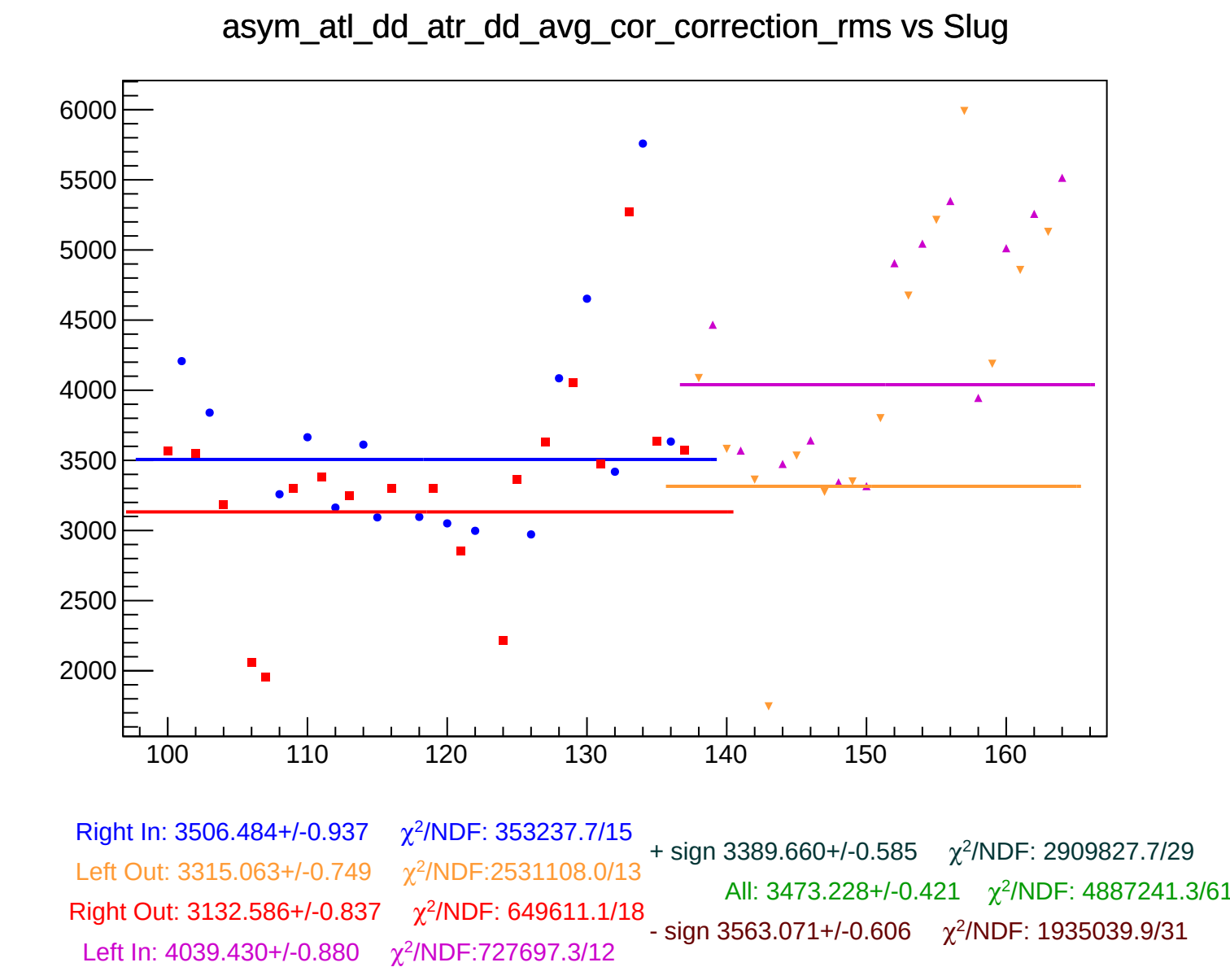
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

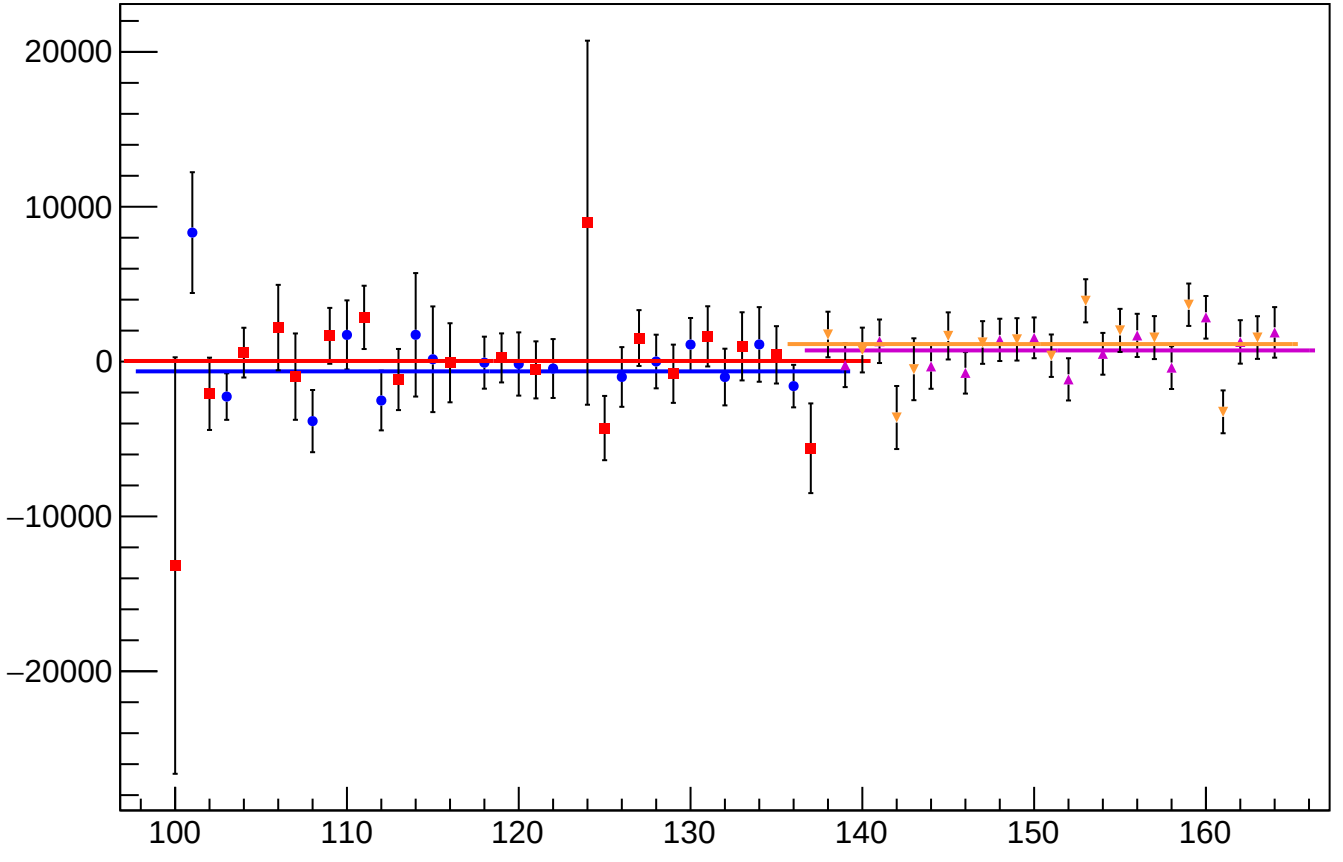
+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 319.570+/-595.291 χ^2/NDF: 61.5/61

- sign 396.190+/-857.528 χ^2/NDF: 28.2/31


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3315.063+/-0.749 χ²/NDF:2531108.0/13
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4039.430+/-0.880 χ²/NDF:727697.3/12
+ sign 3389.660+/-0.585 χ²/NDF: 2909827.7/29
All: 3473.228+/-0.421 χ²/NDF: 4887241.3/61
- sign 3563.071+/-0.606 χ²/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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

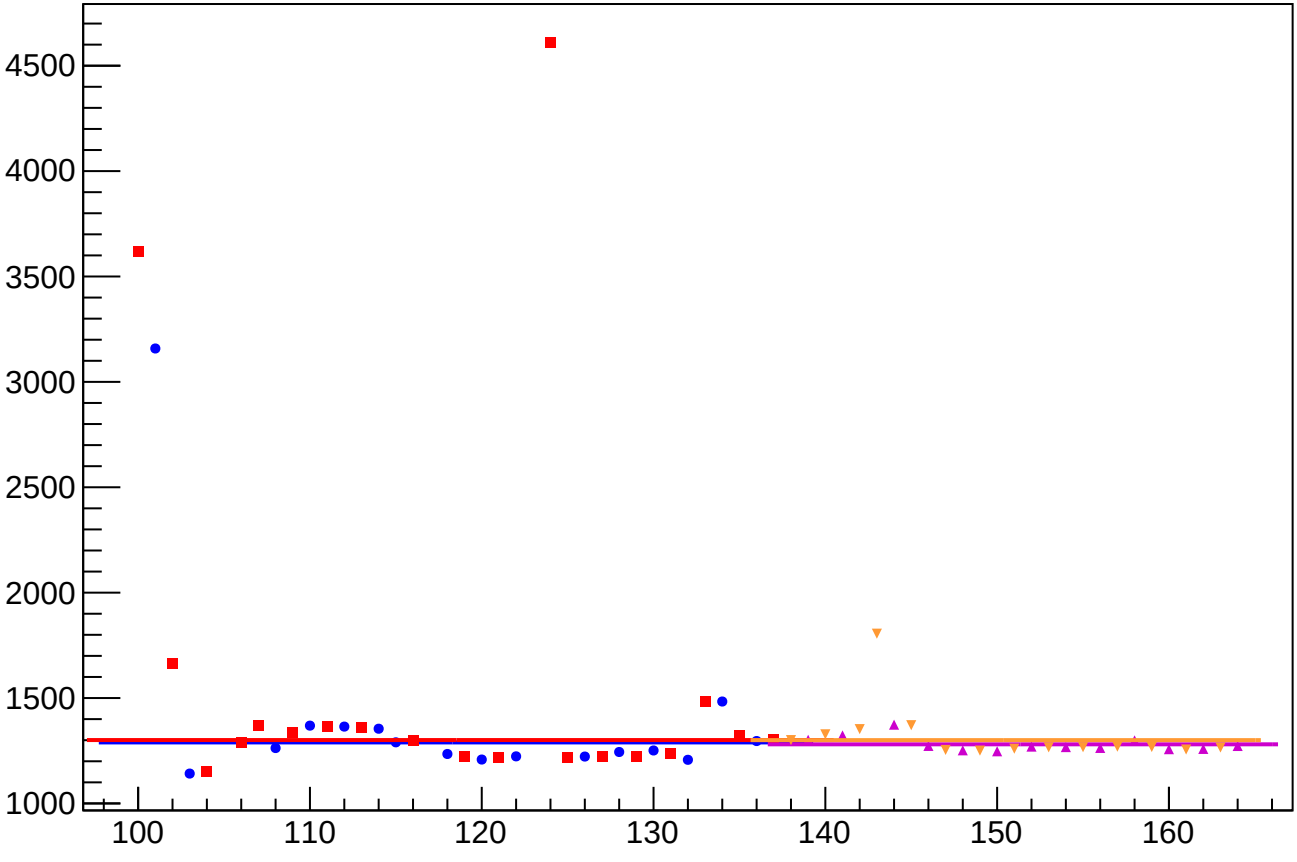
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

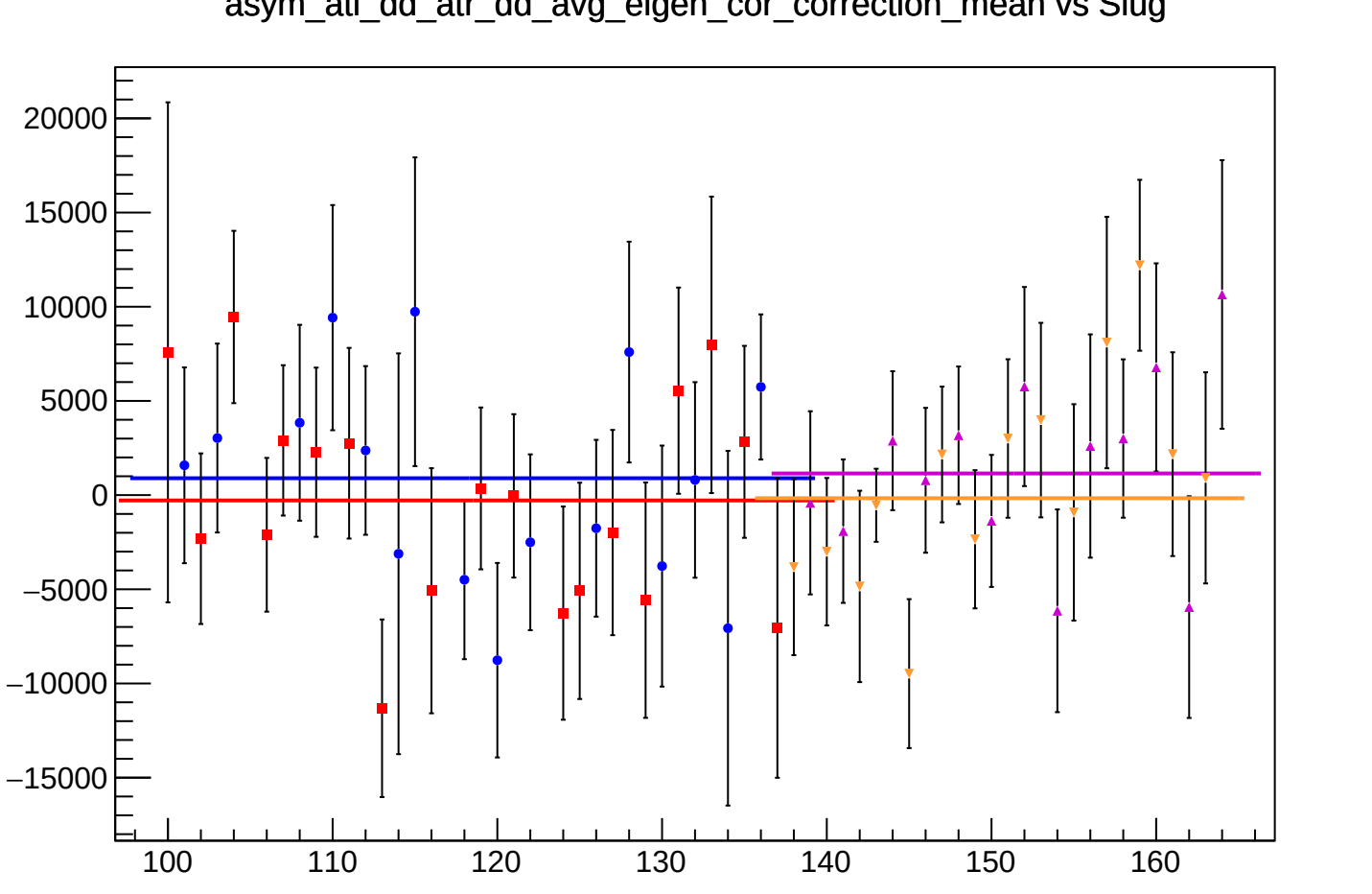
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- 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: -165.293+/-1058.652 χ^2/NDF:18.8/13

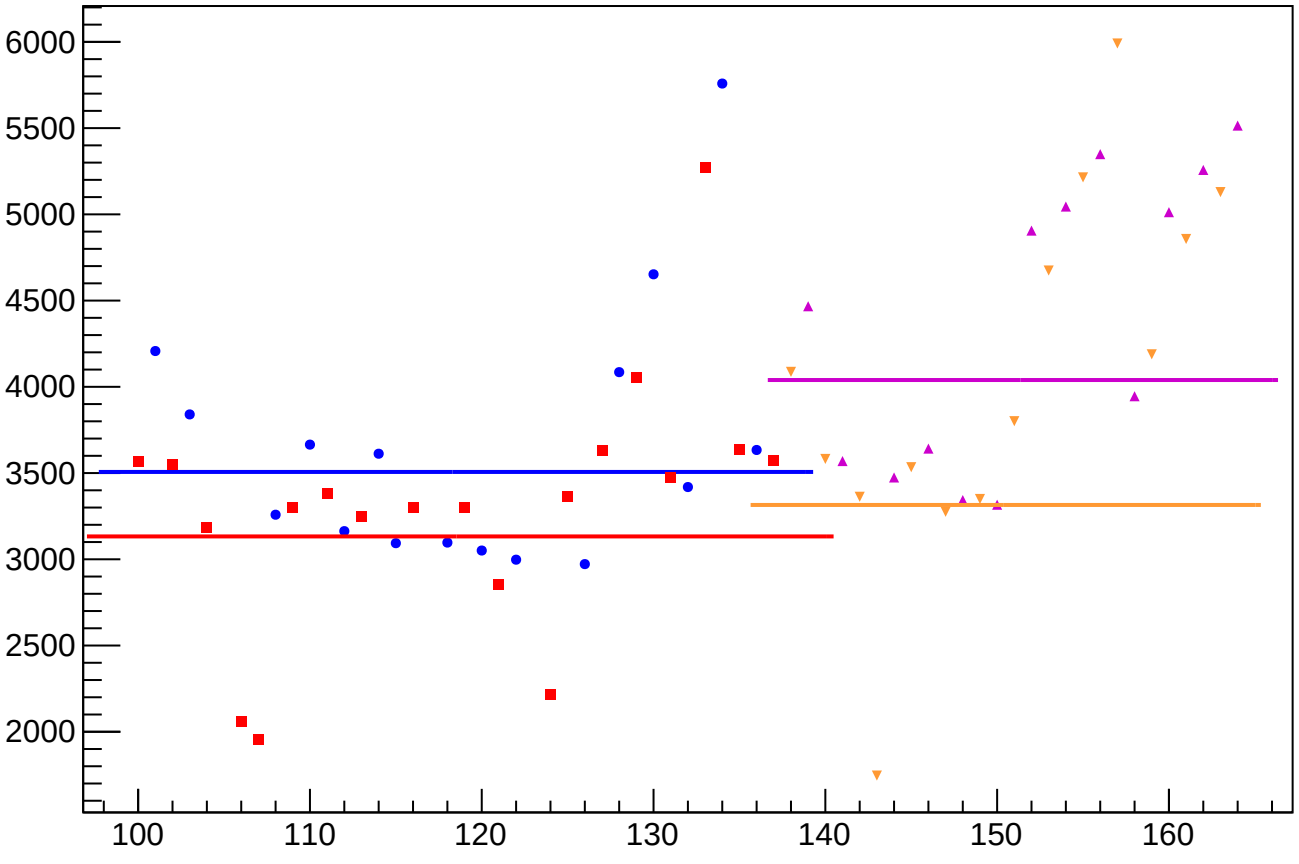
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 319.570+/-595.291 χ^2/NDF: 61.5/61

- 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: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

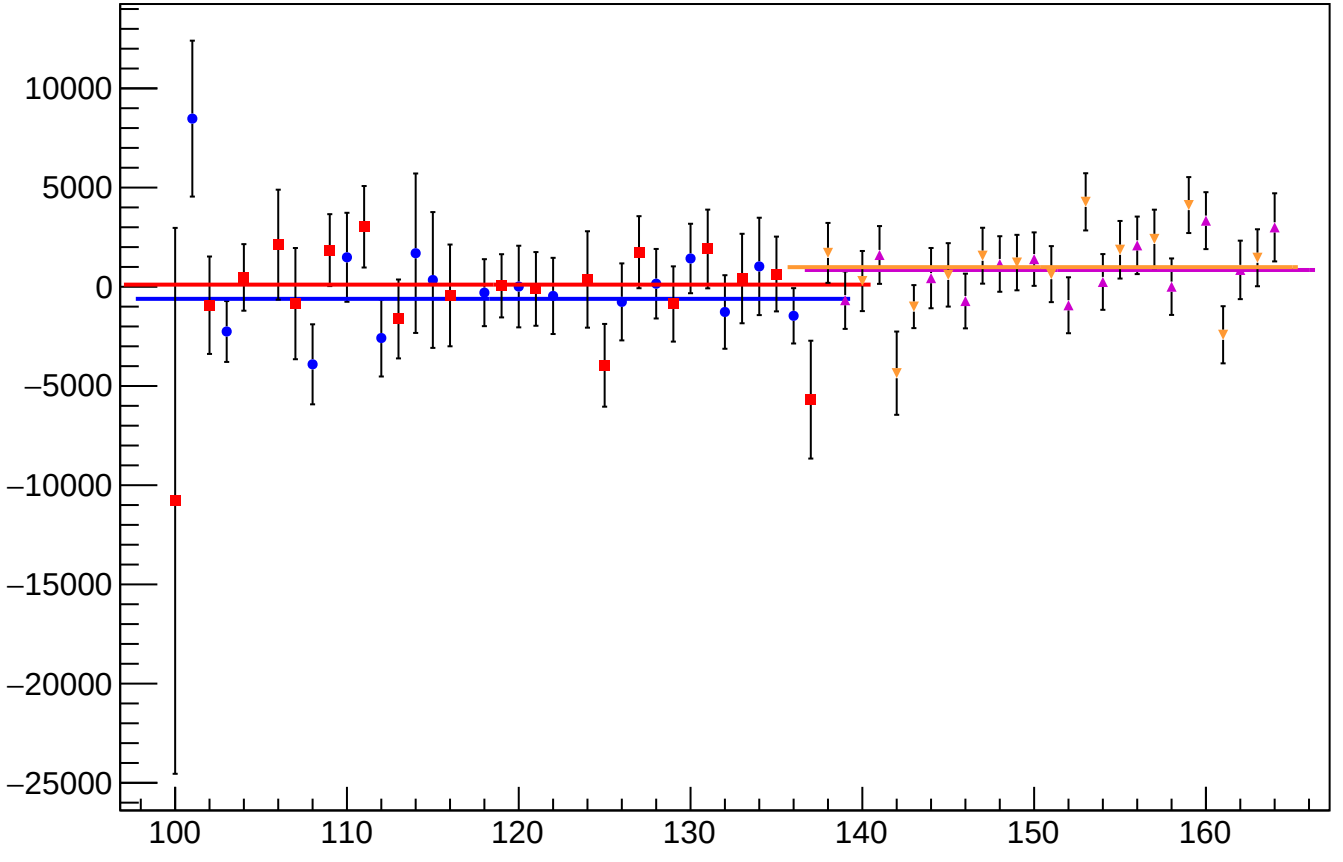
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61

- 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: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

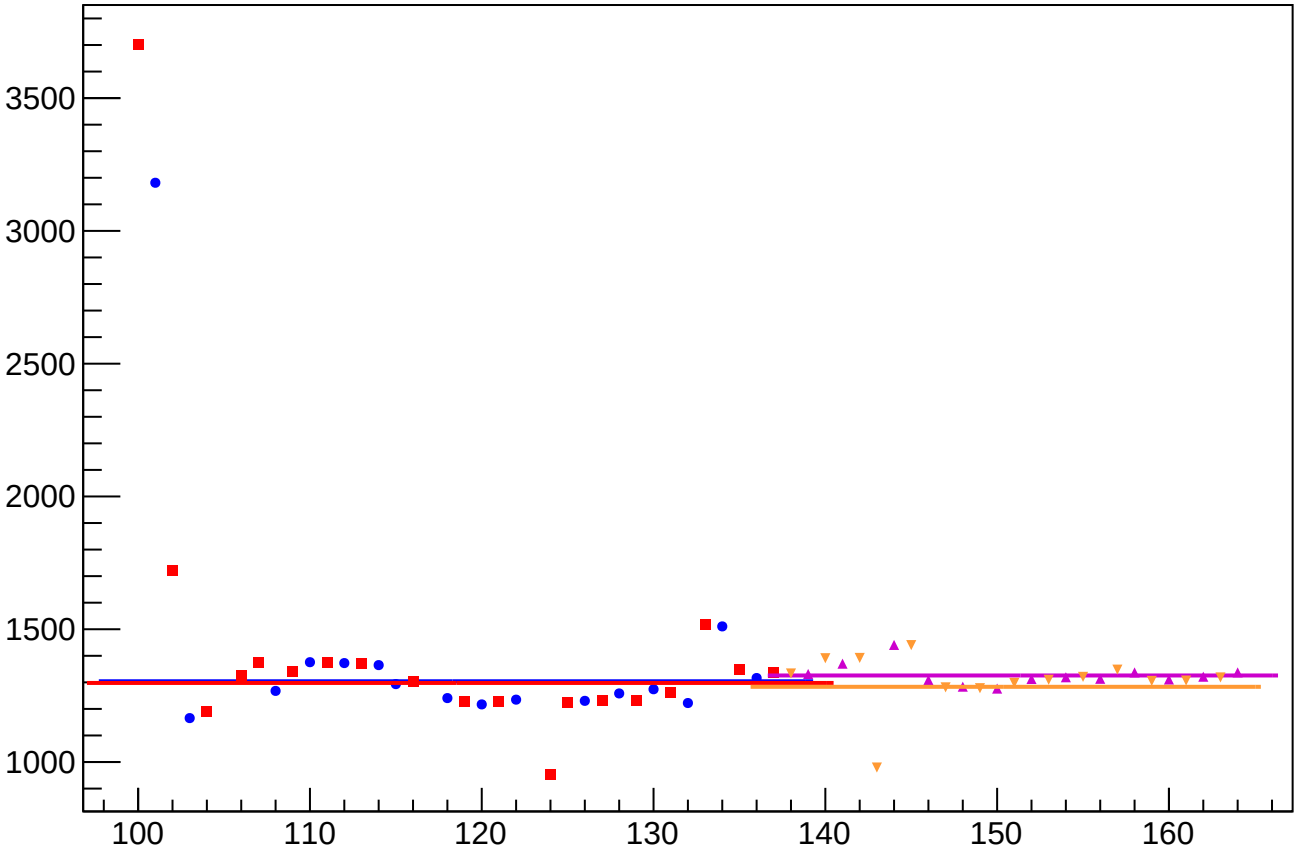
Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 465.883+/-216.584 χ^2/NDF: 75.1/61

- 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: 1283.230+/-0.272 χ^2/NDF:202612.3/13

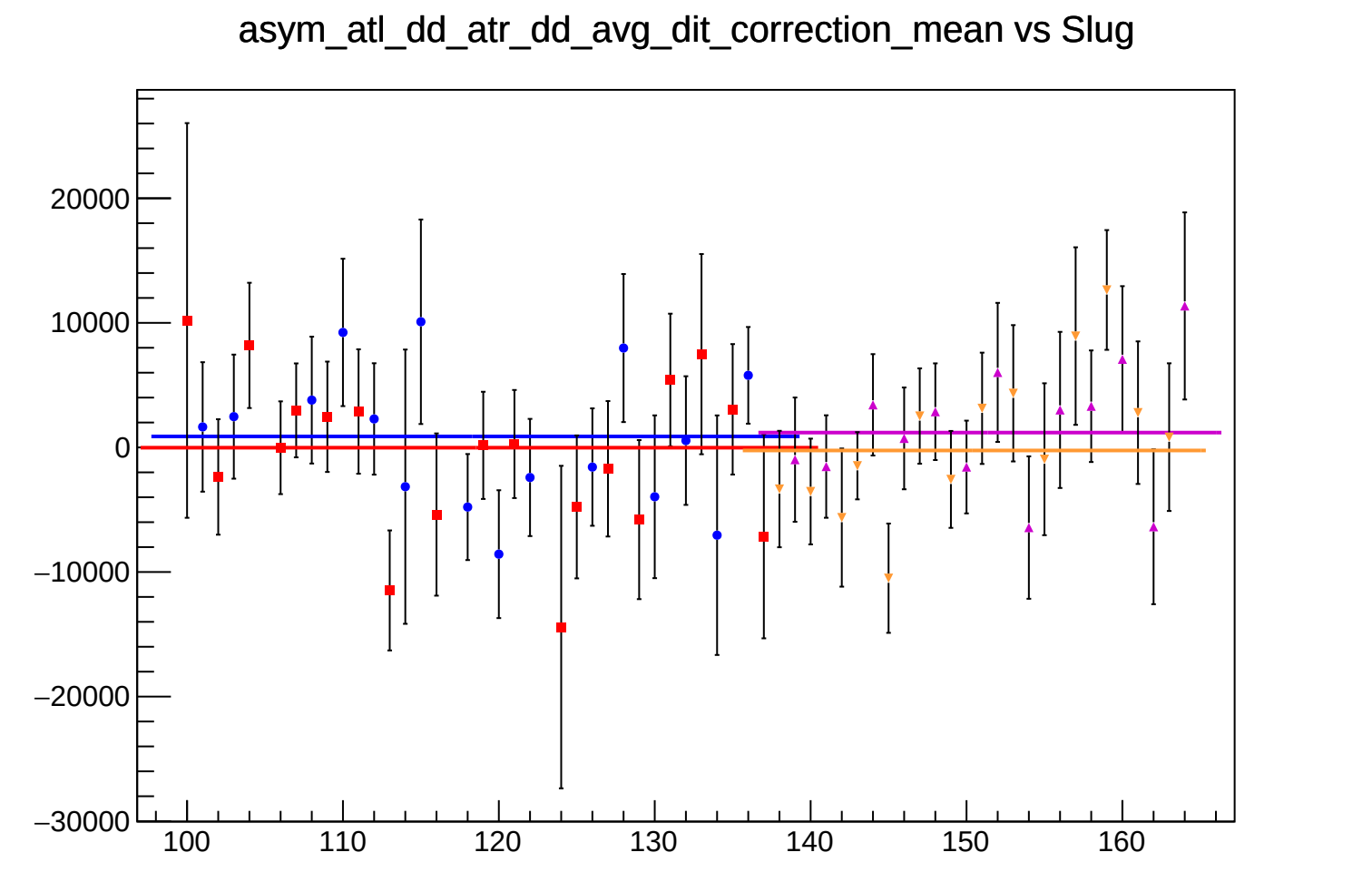
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61

- 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: -243.884+/-1203.871 χ^2/NDF:19.0/13

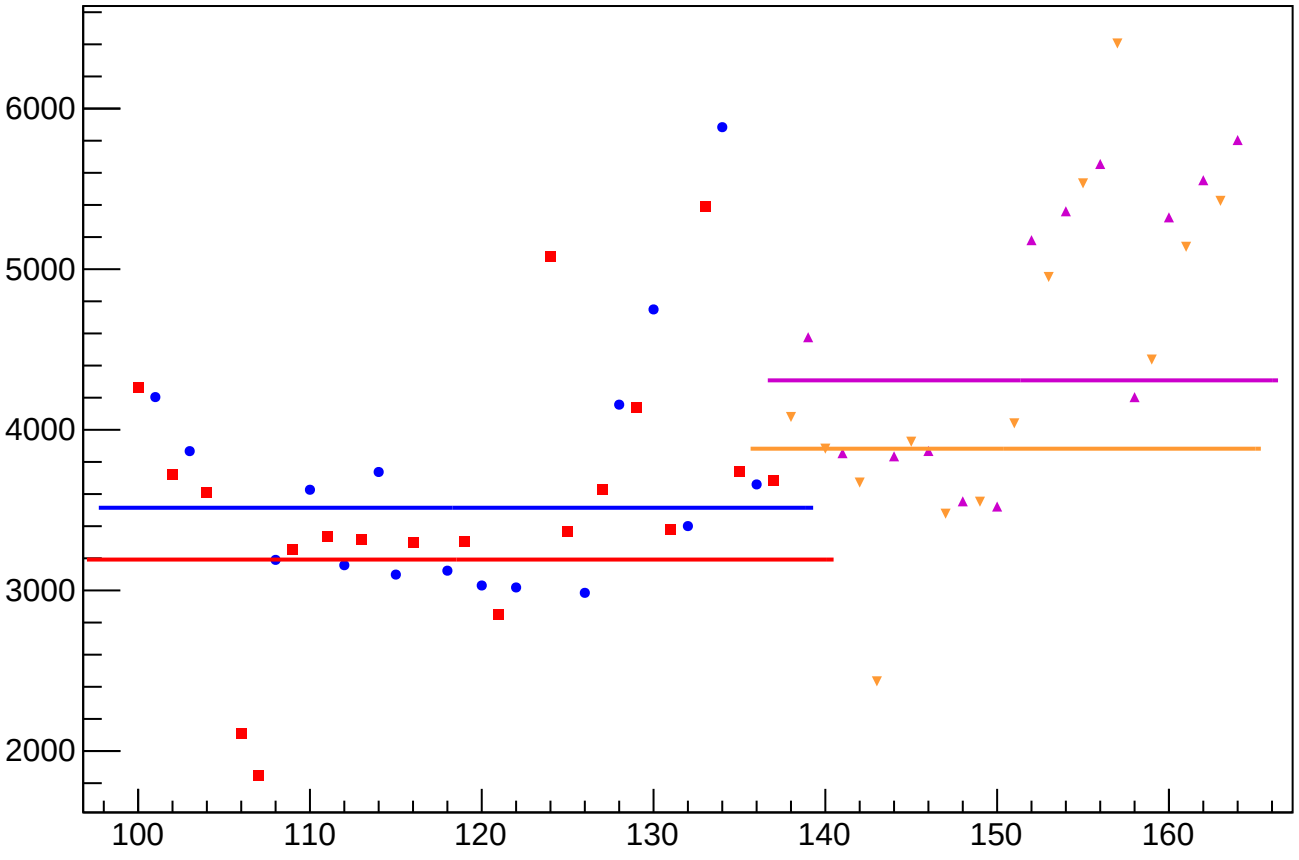
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

\+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

\- 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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

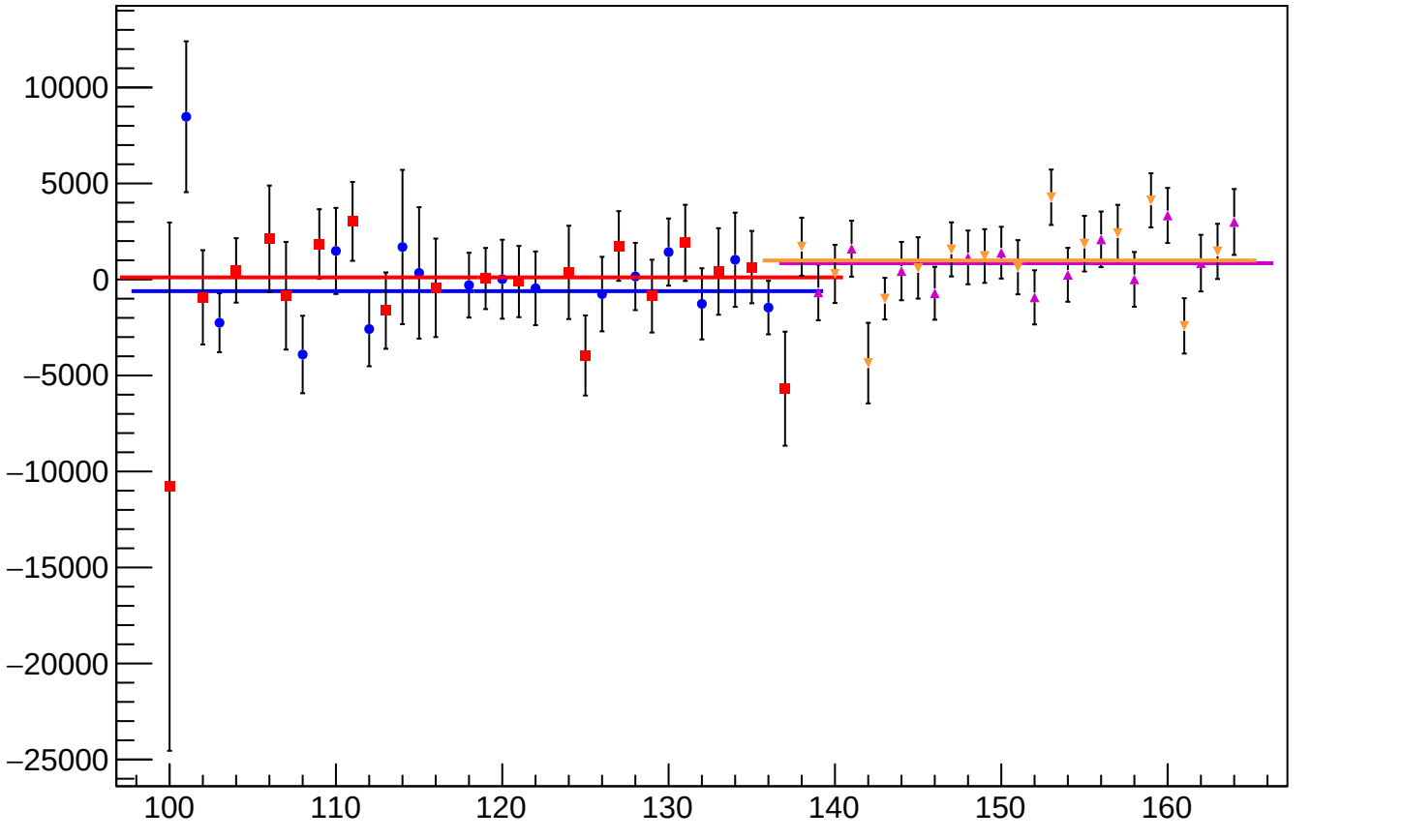
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61

- 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: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

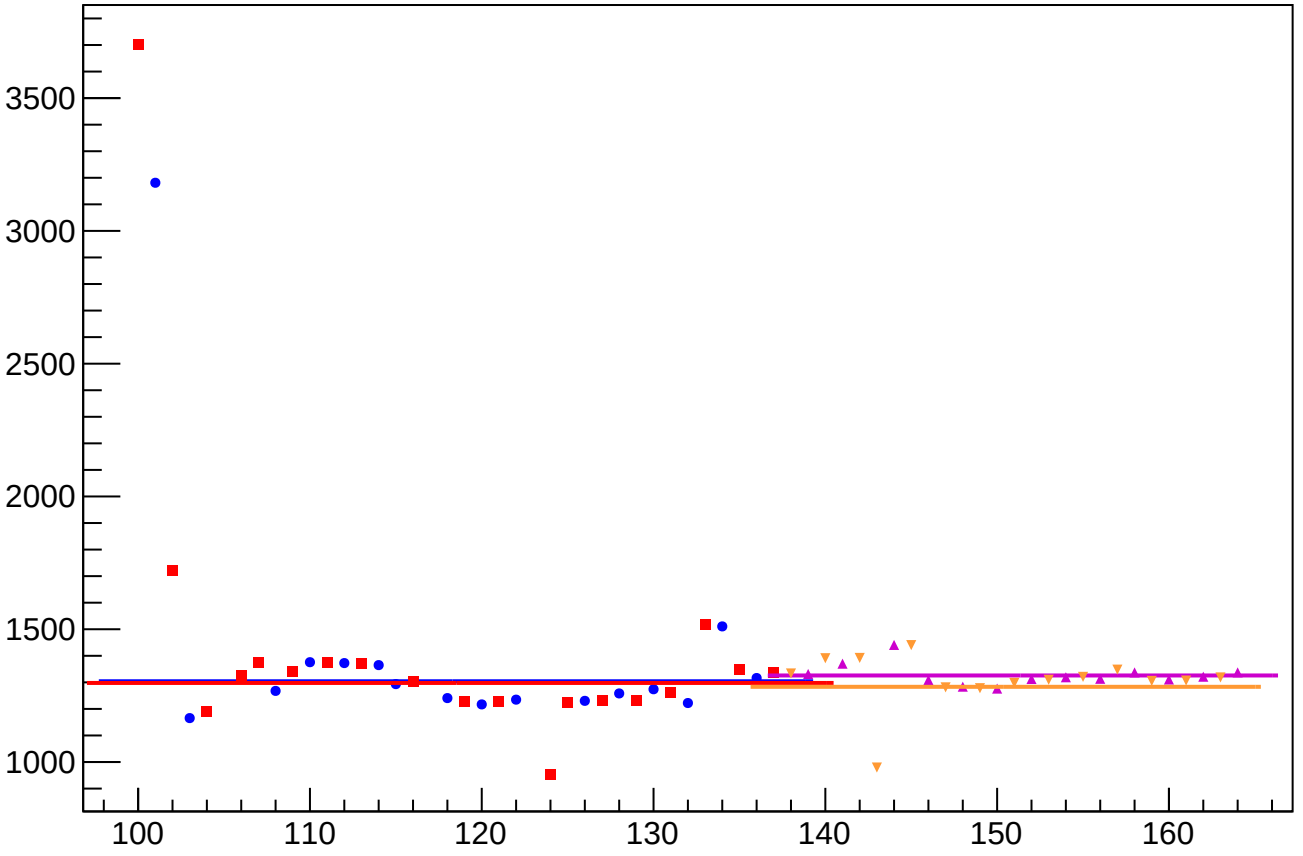
Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 465.885+/-216.584 χ^2/NDF: 75.1/61

- 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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

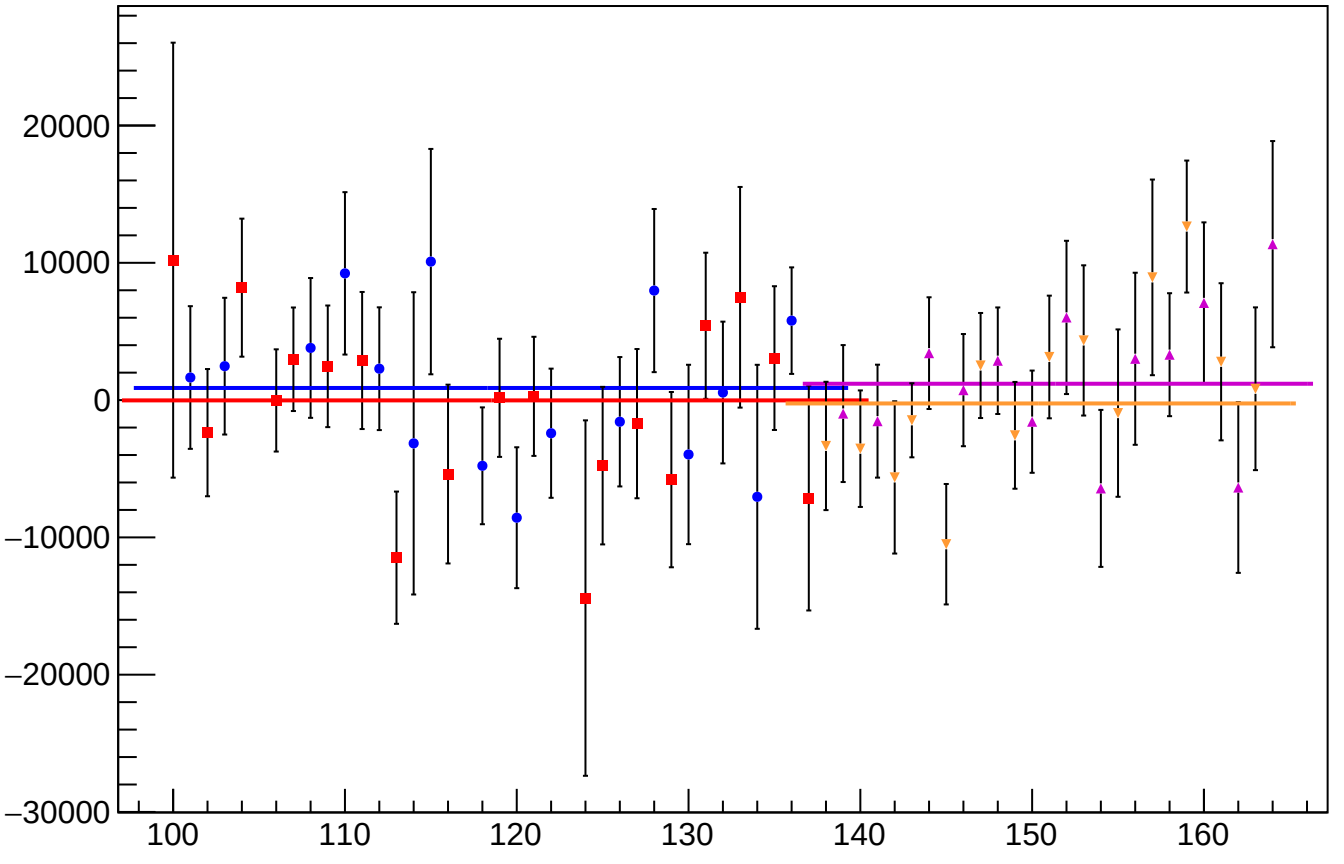
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61

- 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: -243.880+/-1203.873 χ^2/NDF:19.0/13

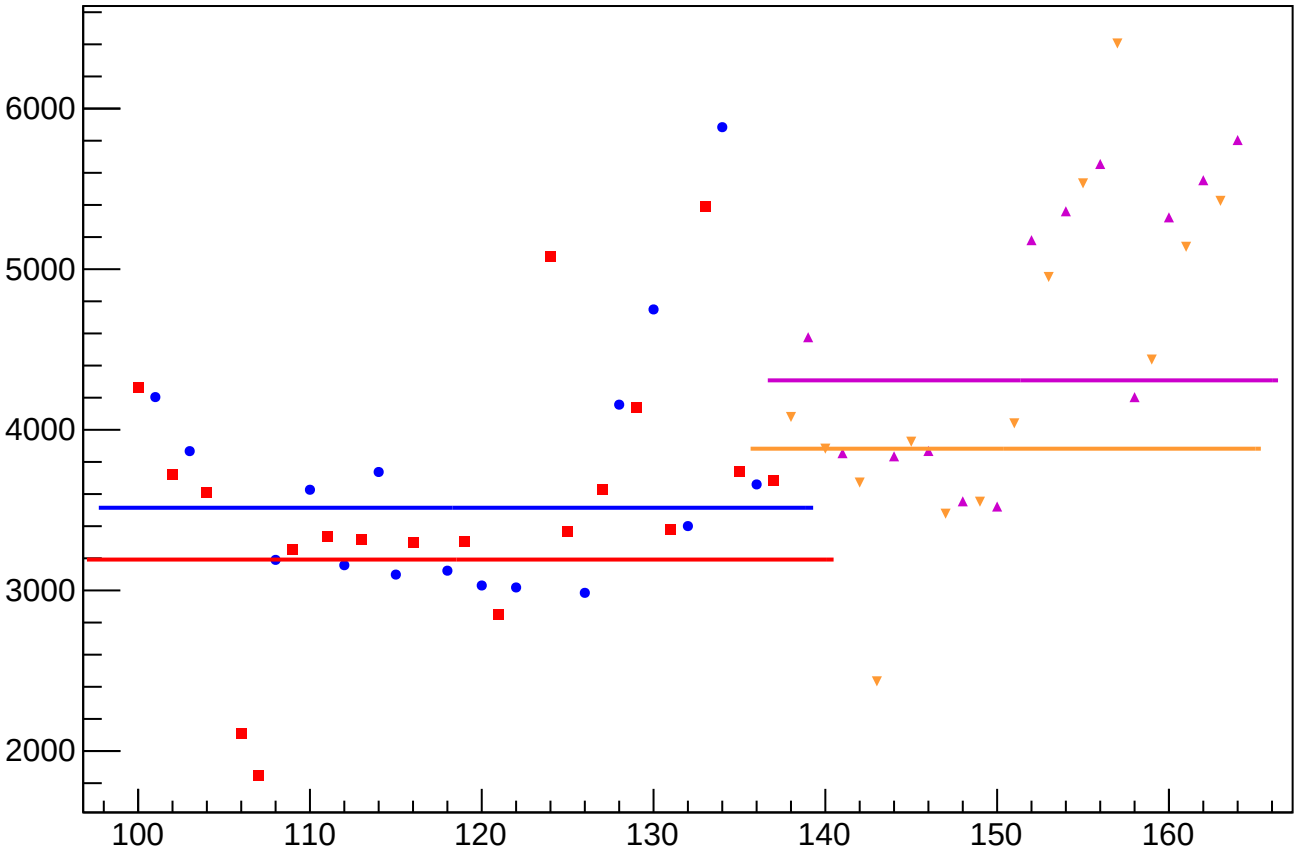
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

- 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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

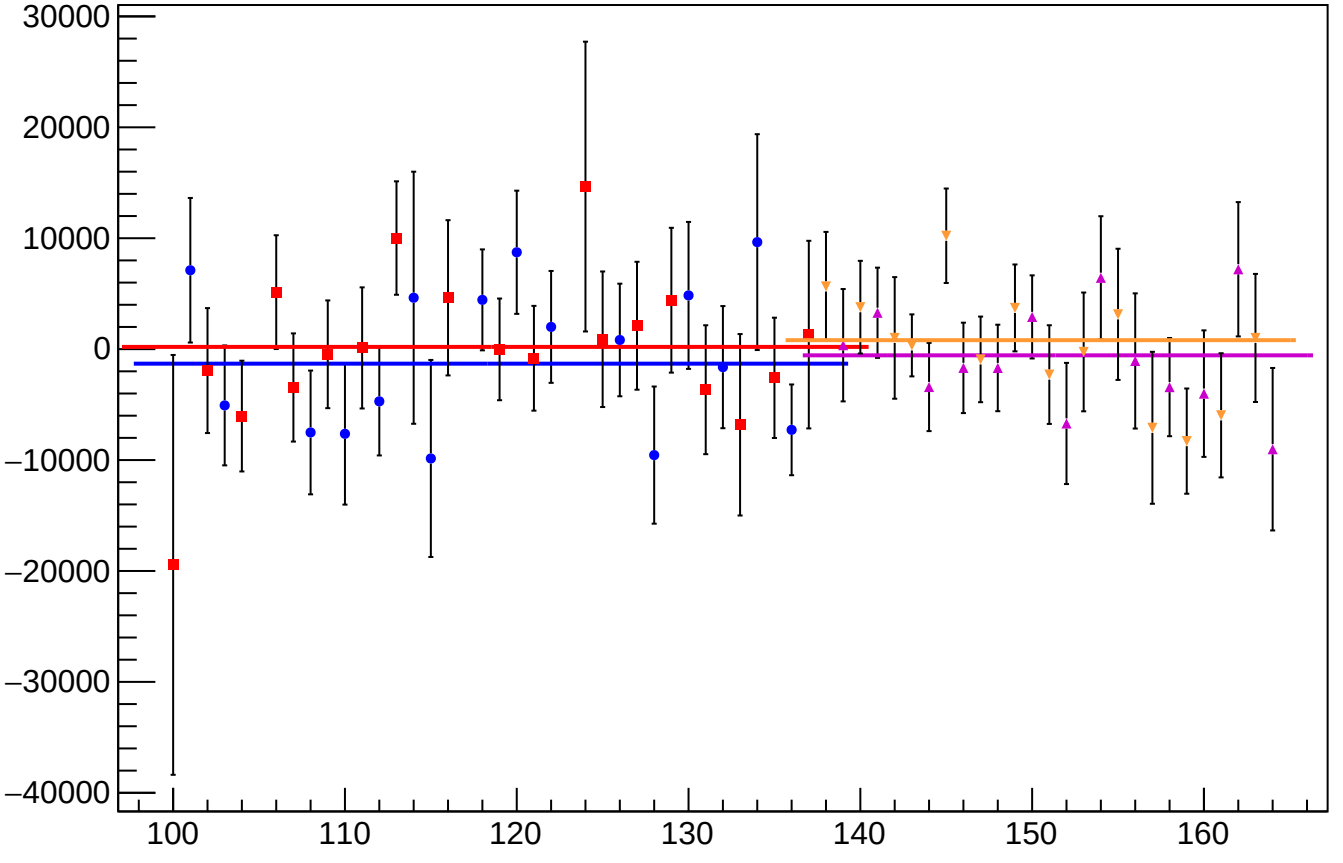
Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61

- 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: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

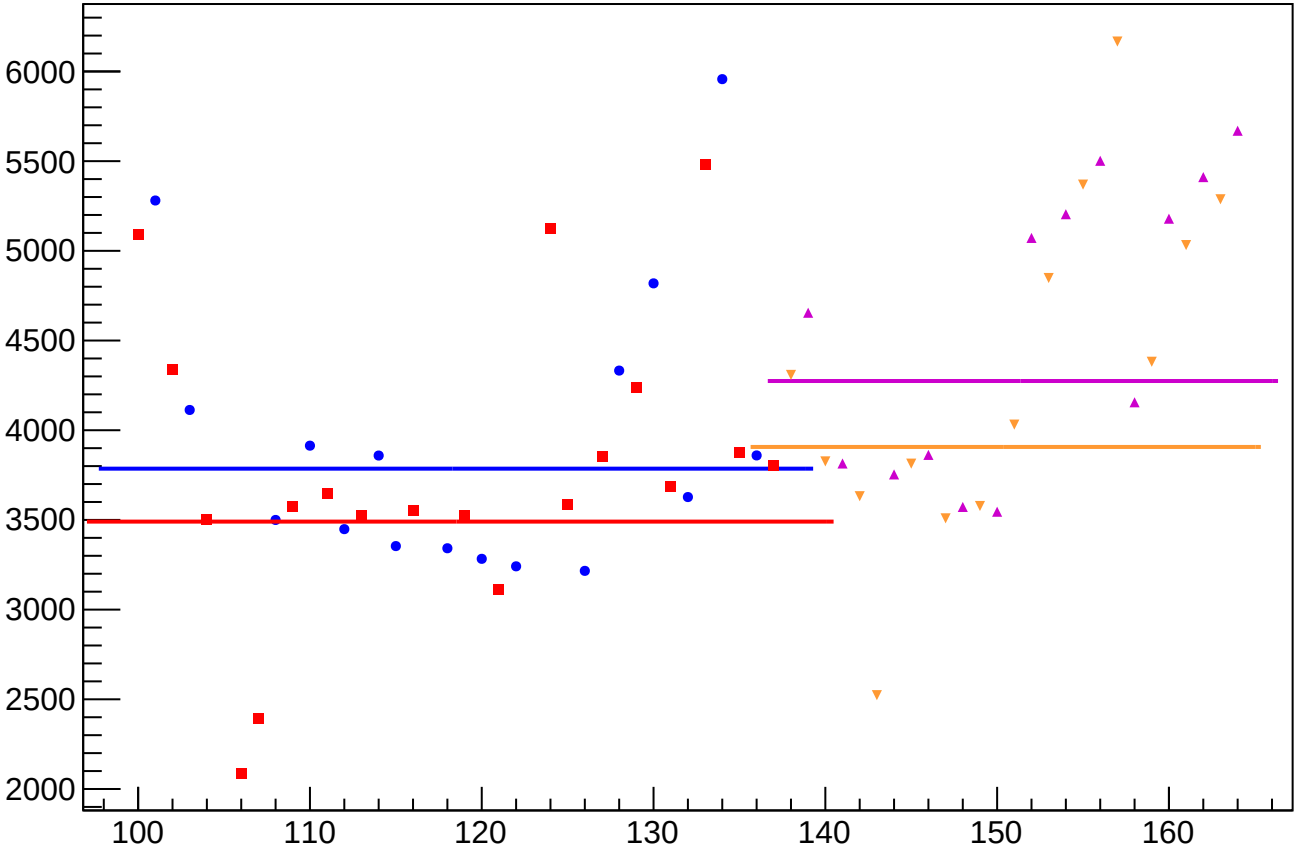
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -126.438+/-656.866 χ^2/NDF: 54.1/61

- 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: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

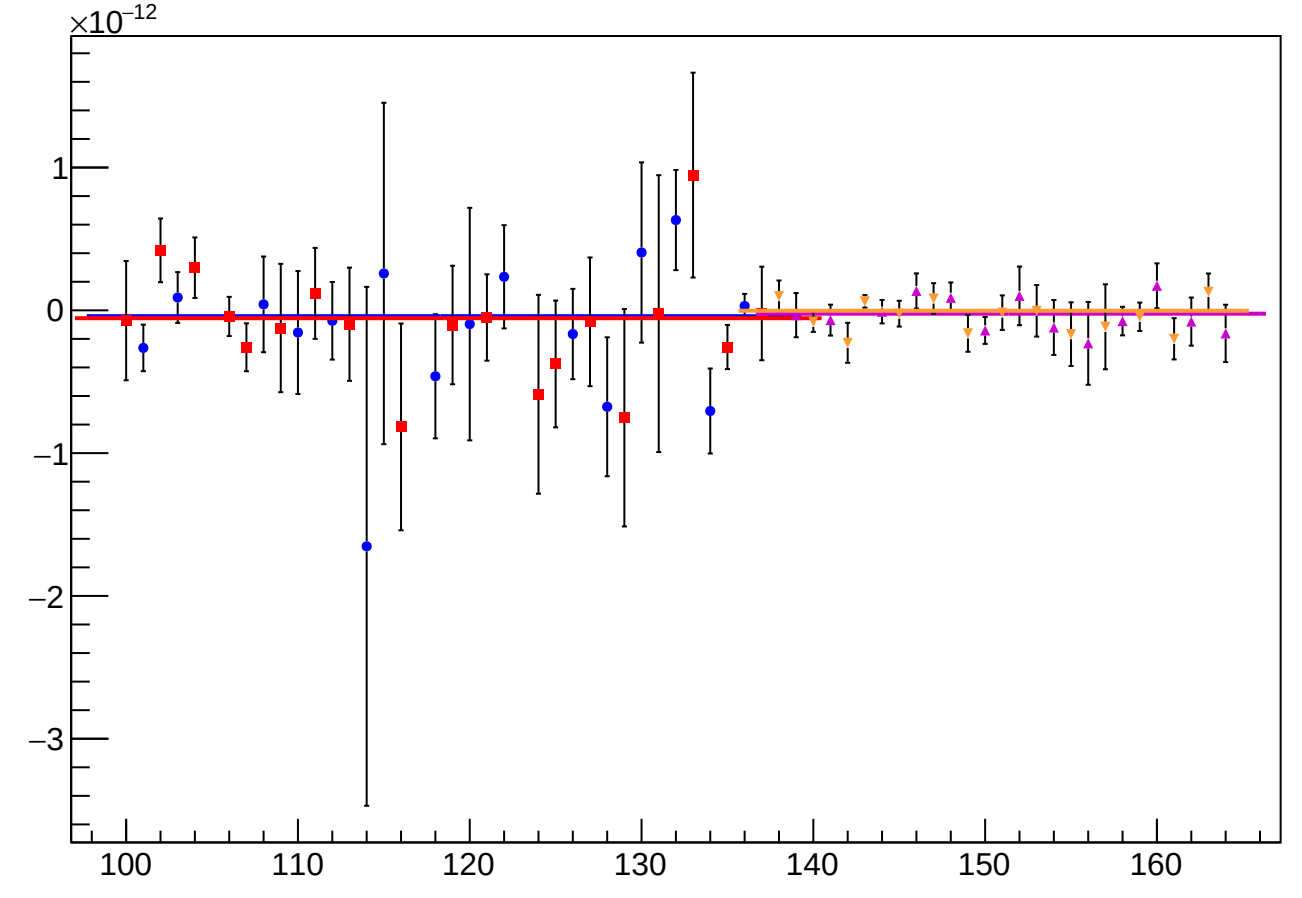
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

\+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3870.236+/-0.463 χ^2/NDF: 3105332.8/61

\- 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:12.8/13

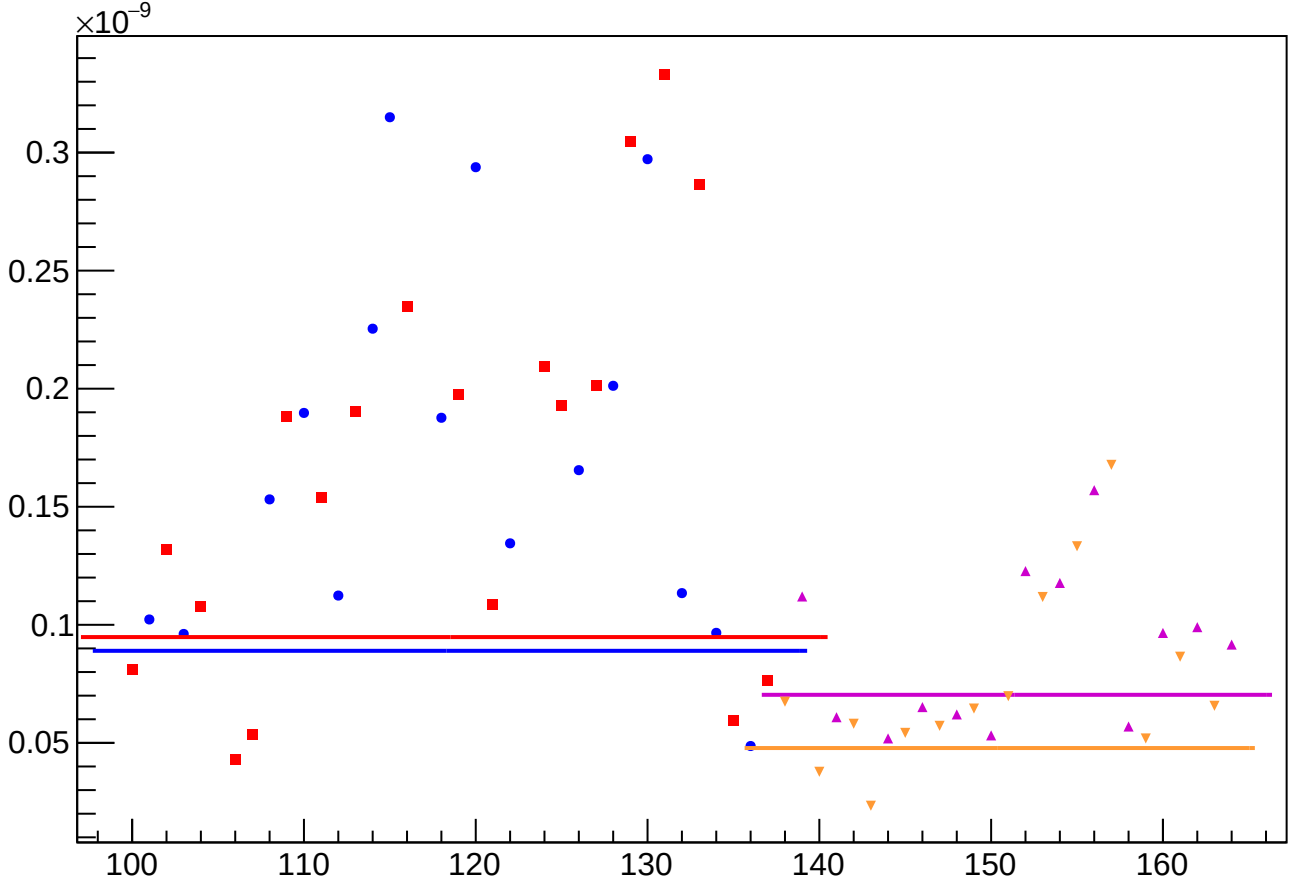
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 54.2/61

- 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:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

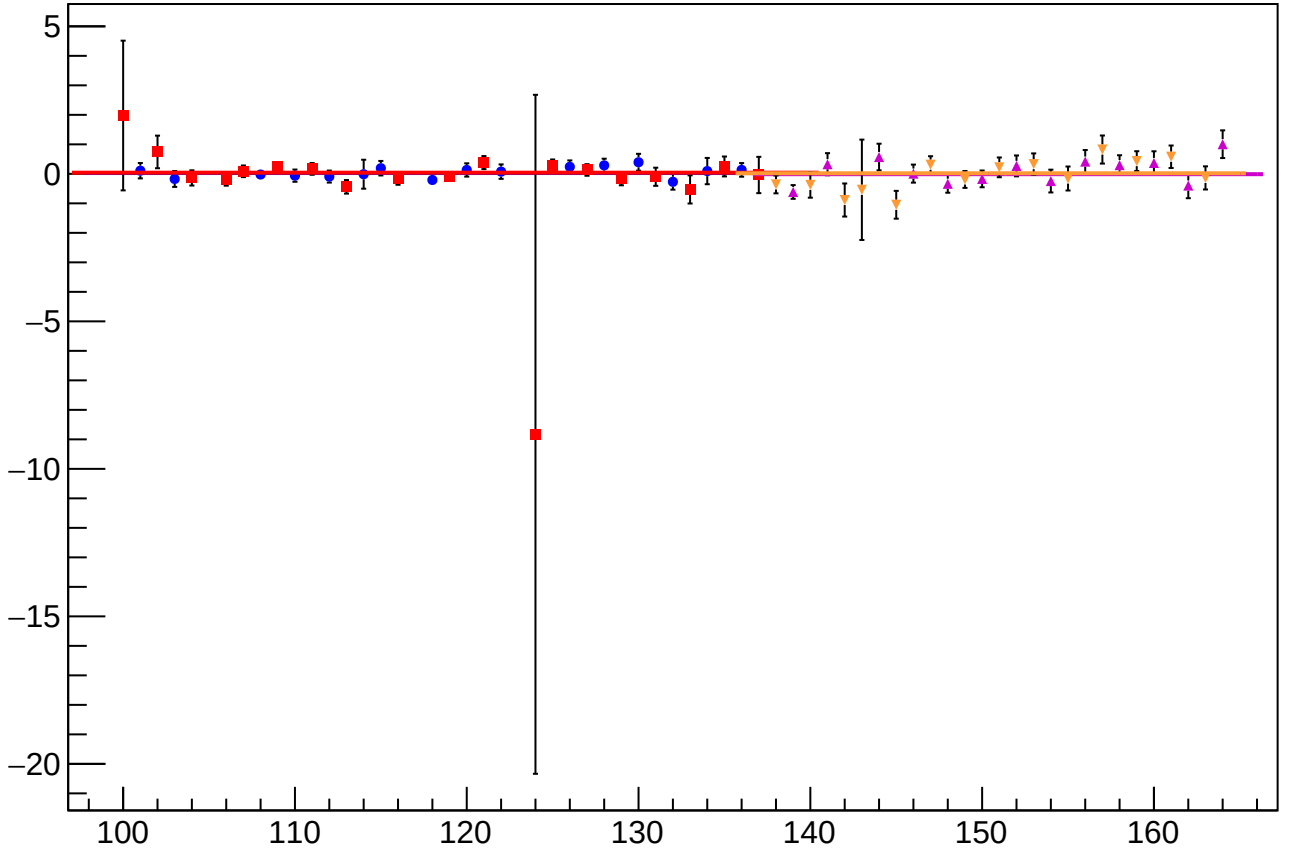
Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

- sign 0.000+/-0.000 χ^2/NDF: 2904932.6/31

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

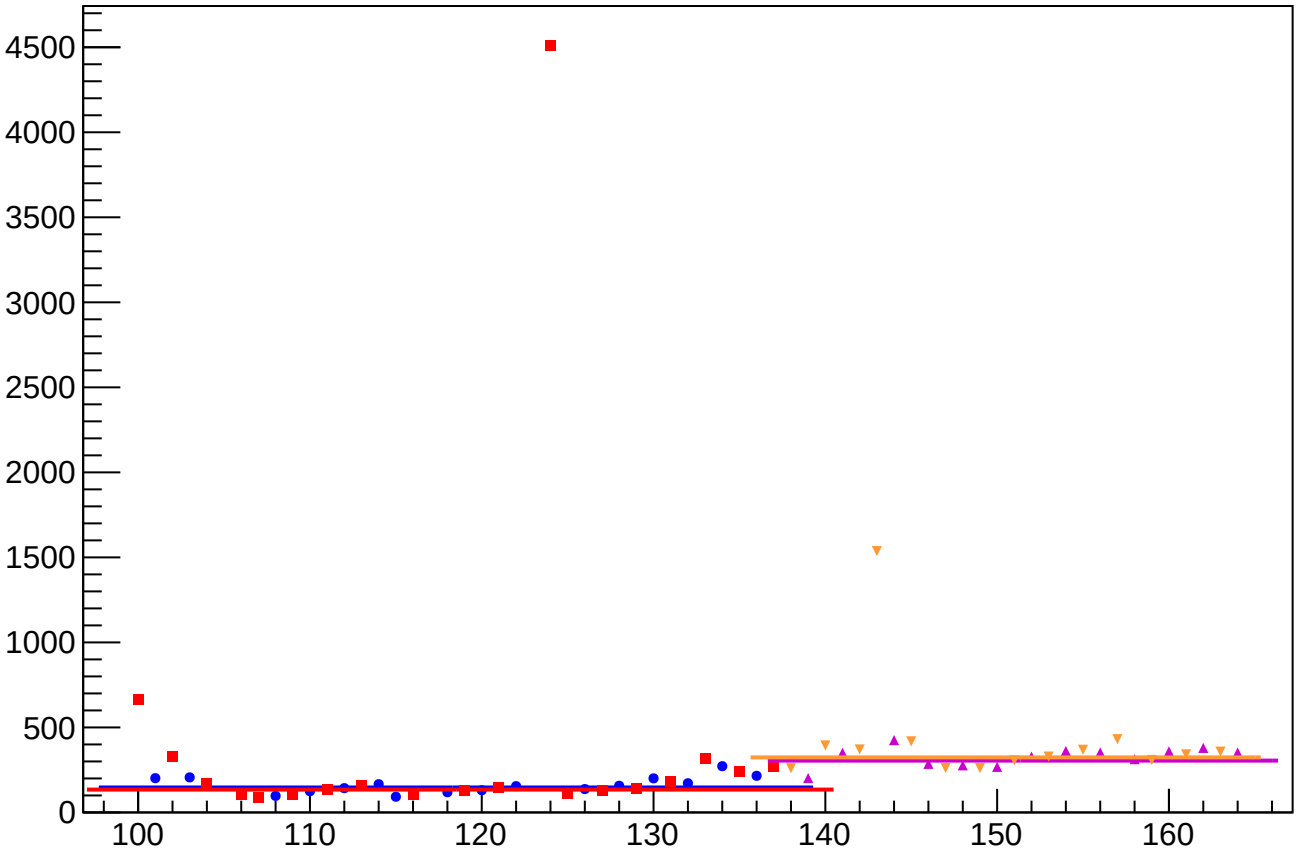
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

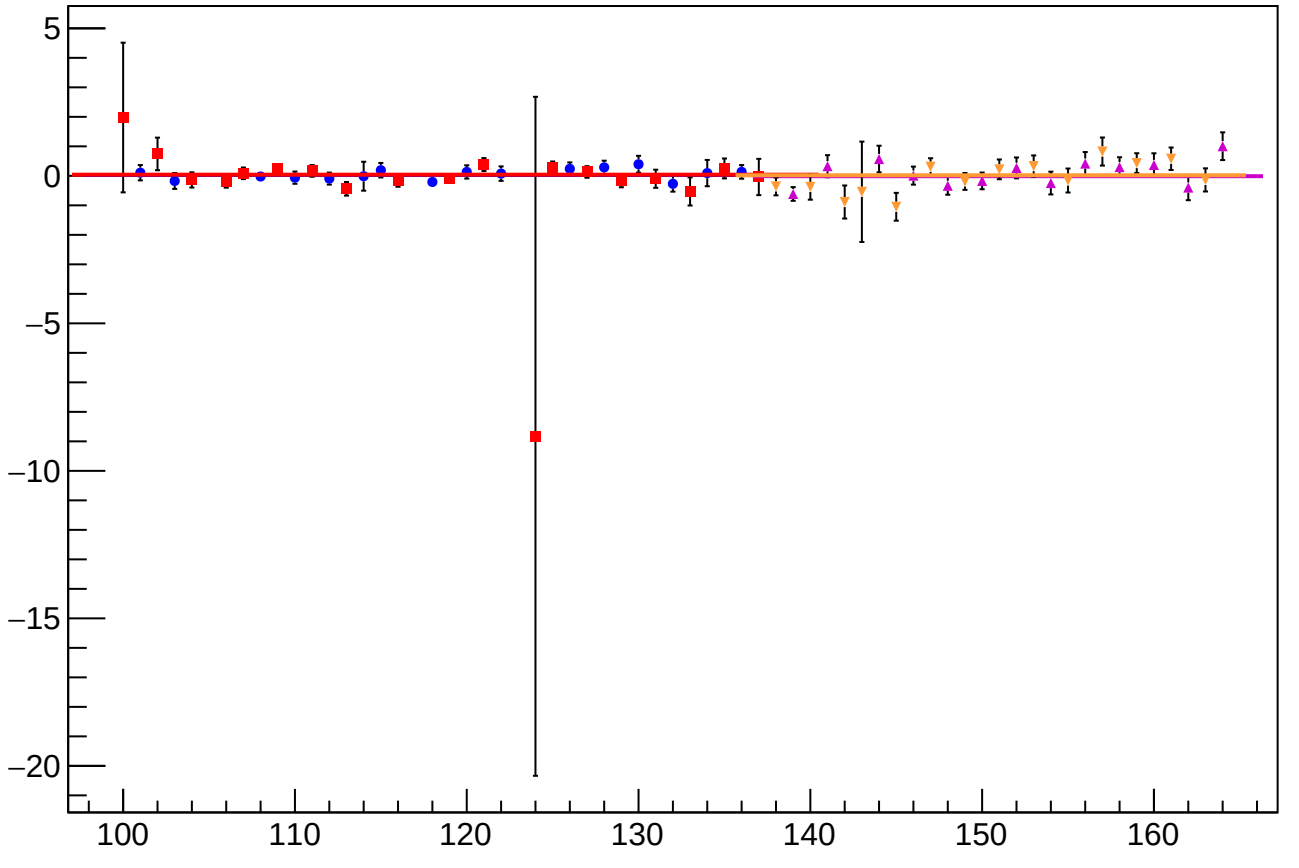
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

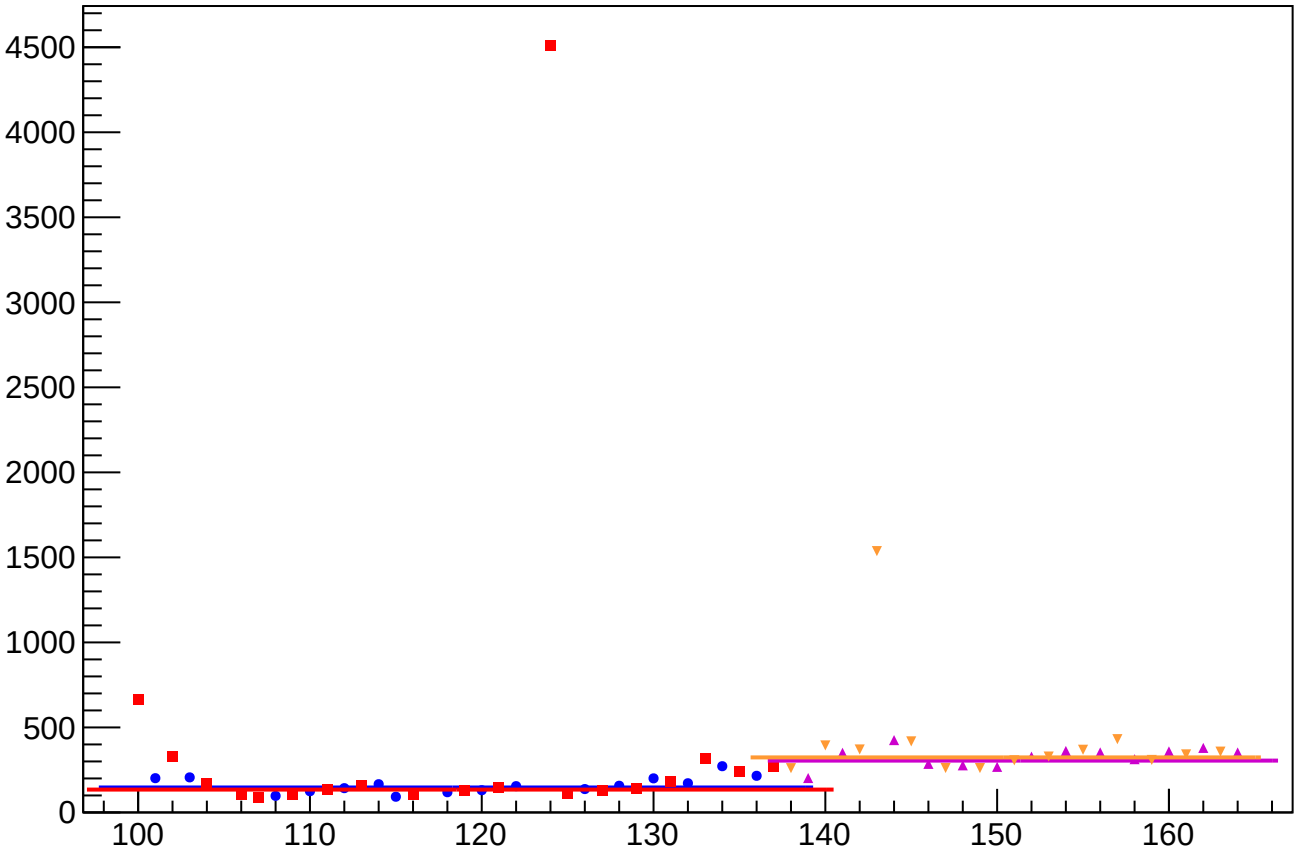
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

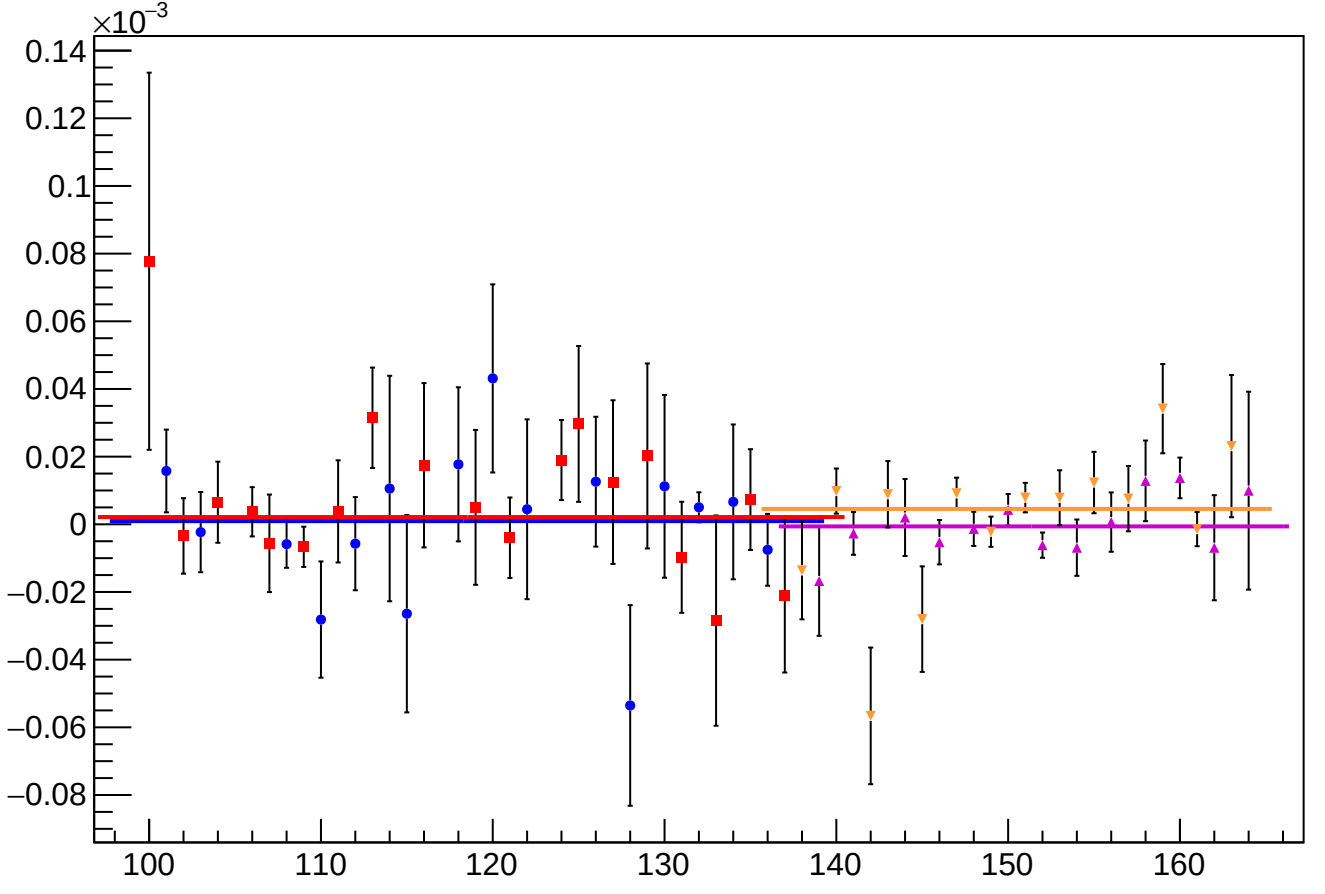
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- 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:28.0/13

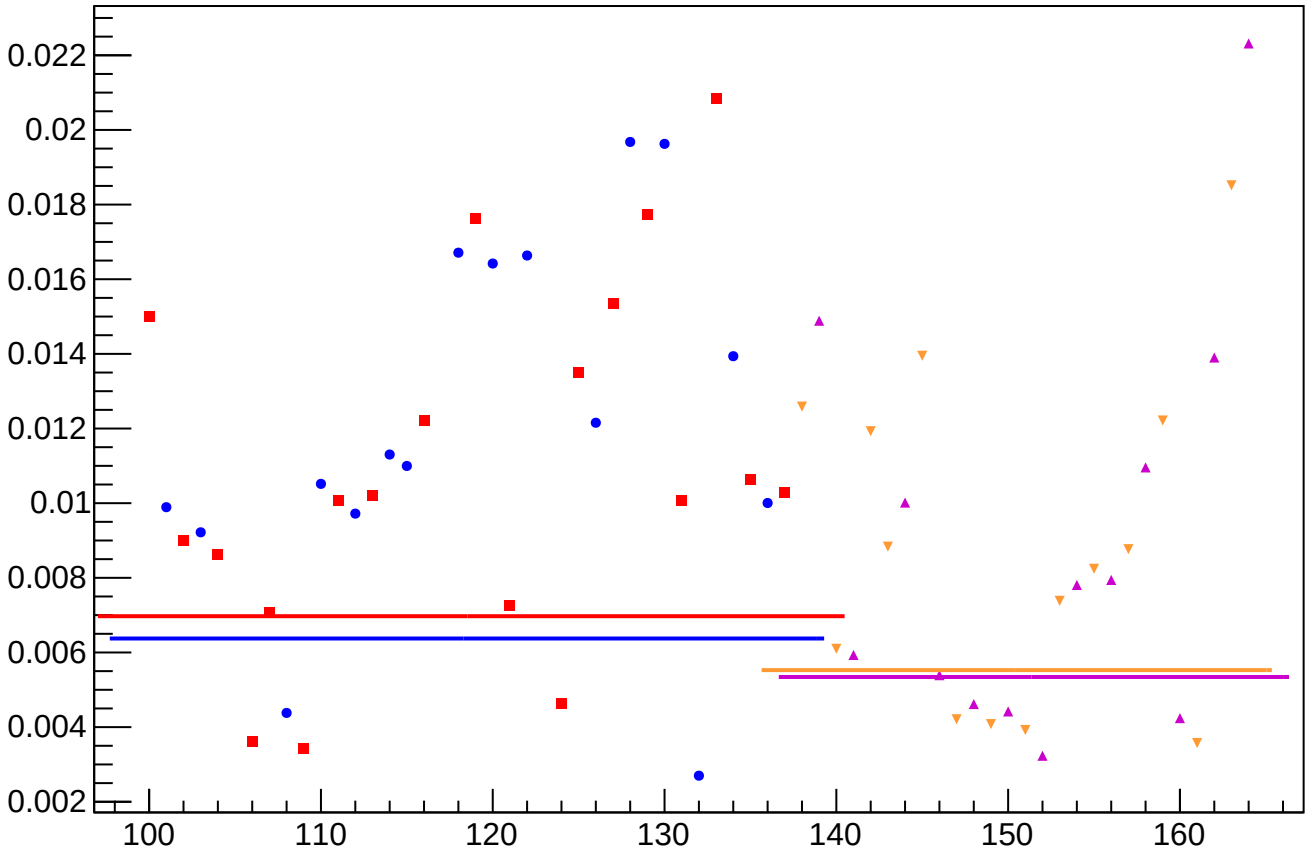
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/61

- 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:4231862.3/13

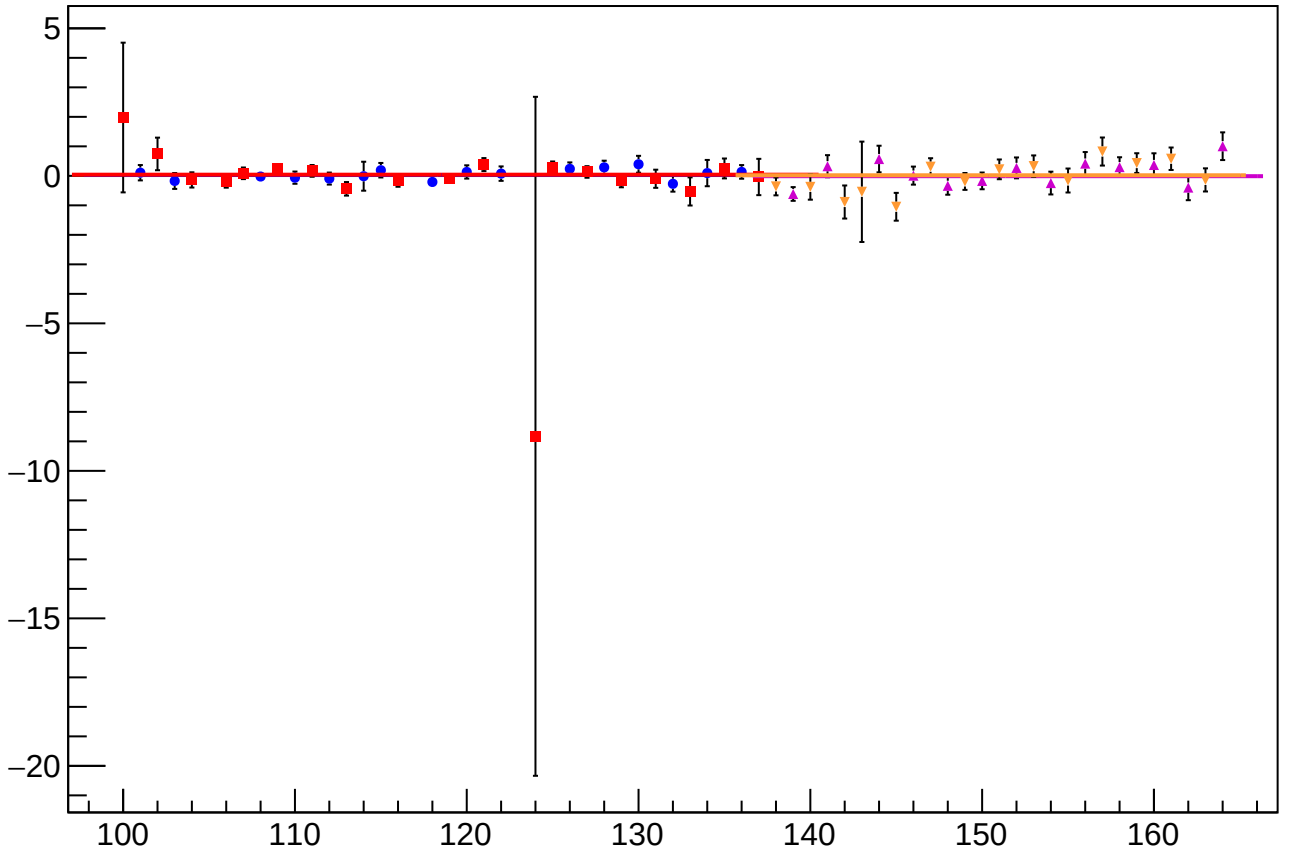
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

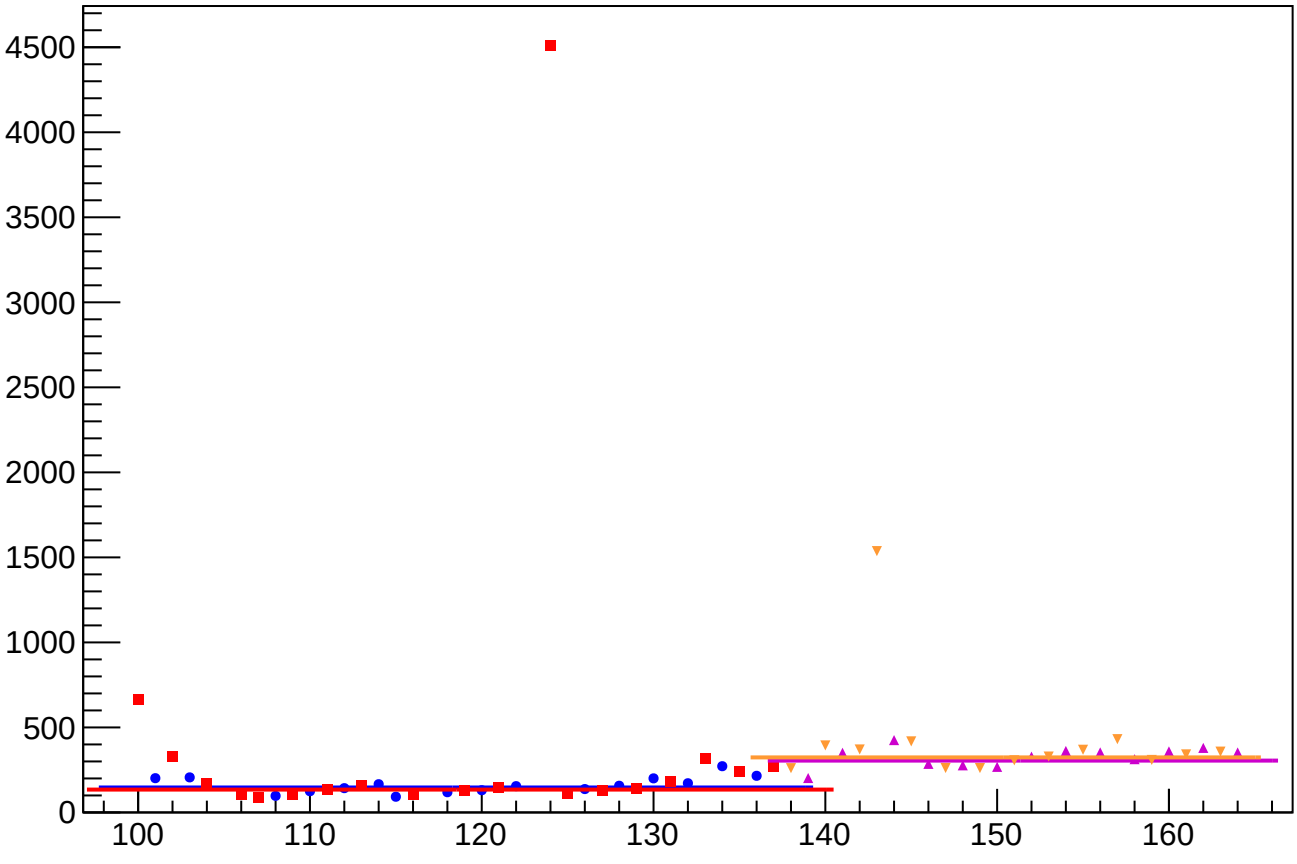
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

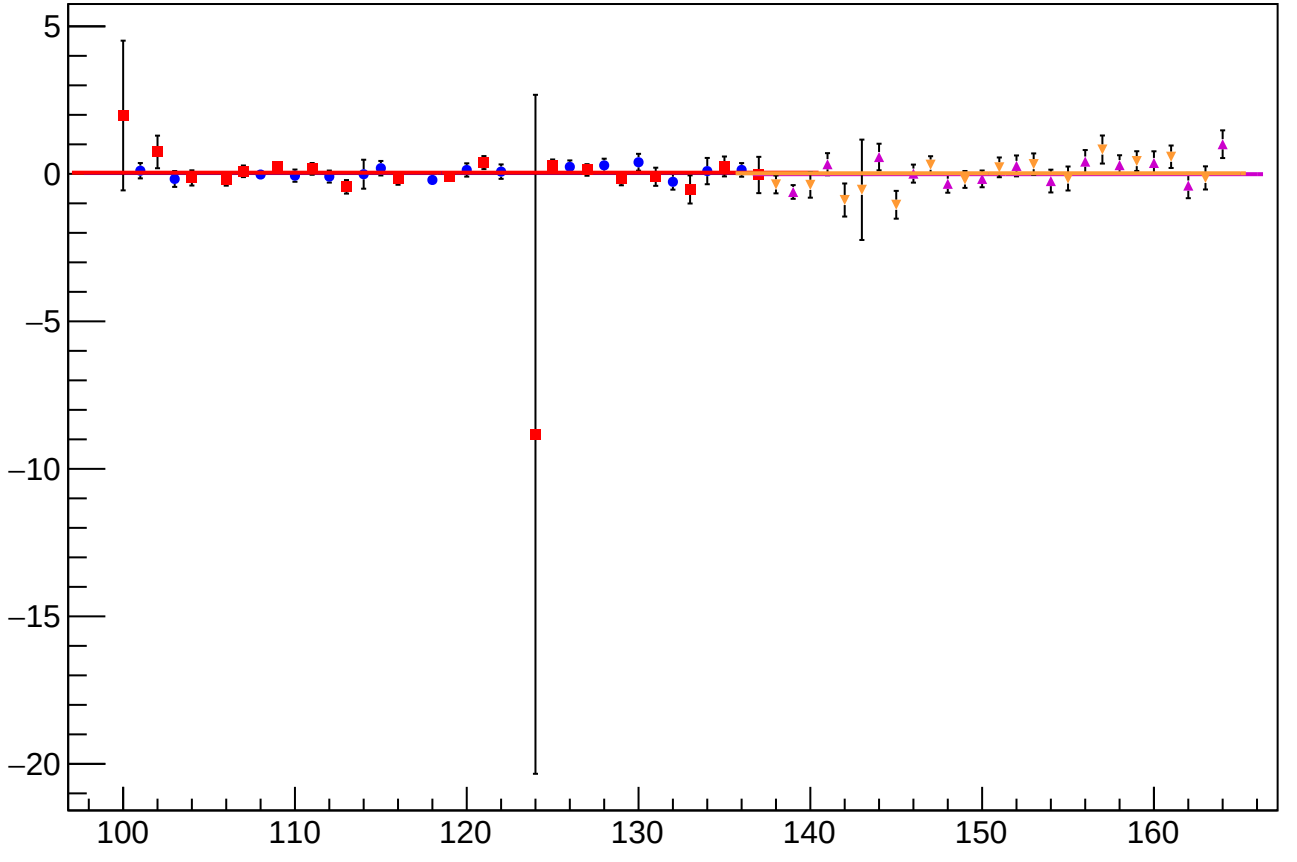
Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

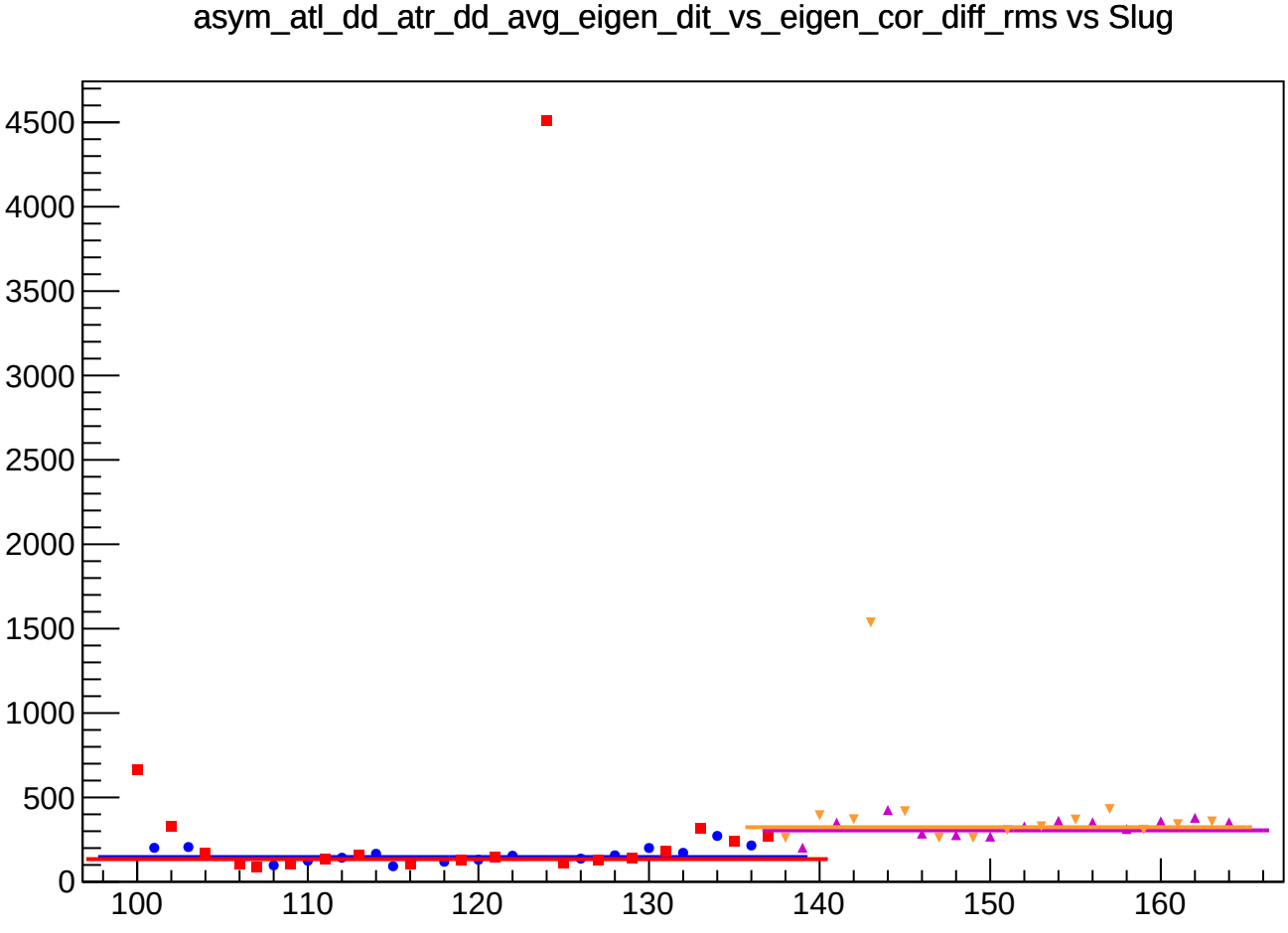
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

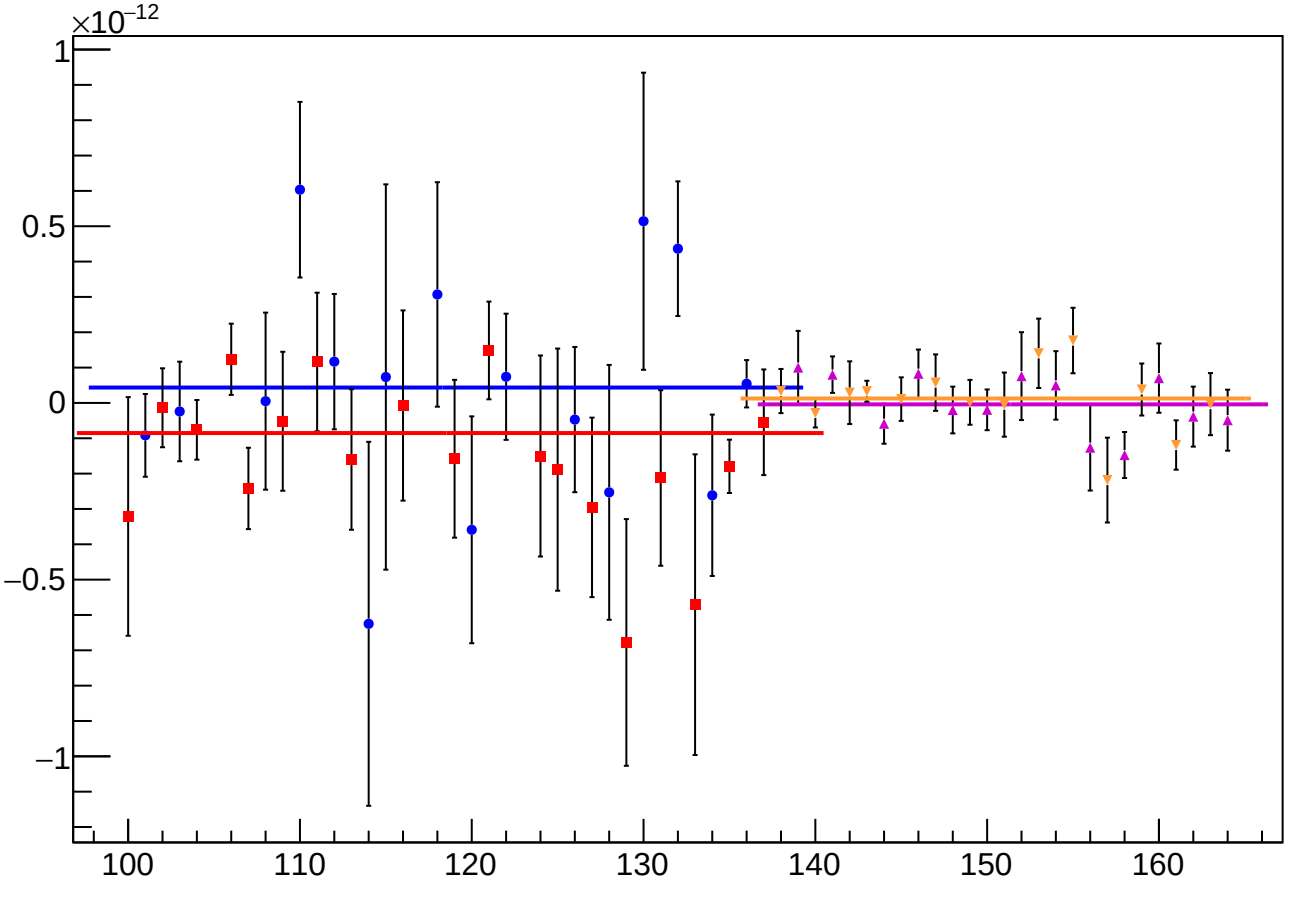
Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 323.717+/-0.071 χ²/NDF:1595999.4/13
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 304.932+/-0.067 χ²/NDF:822267.6/12
+ sign 190.306+/-0.035 χ²/NDF: 7214274.6/29
All: 183.338+/-0.024 χ²/NDF: 14553384.3/61
- sign 177.091+/-0.034 χ²/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:14.3/13

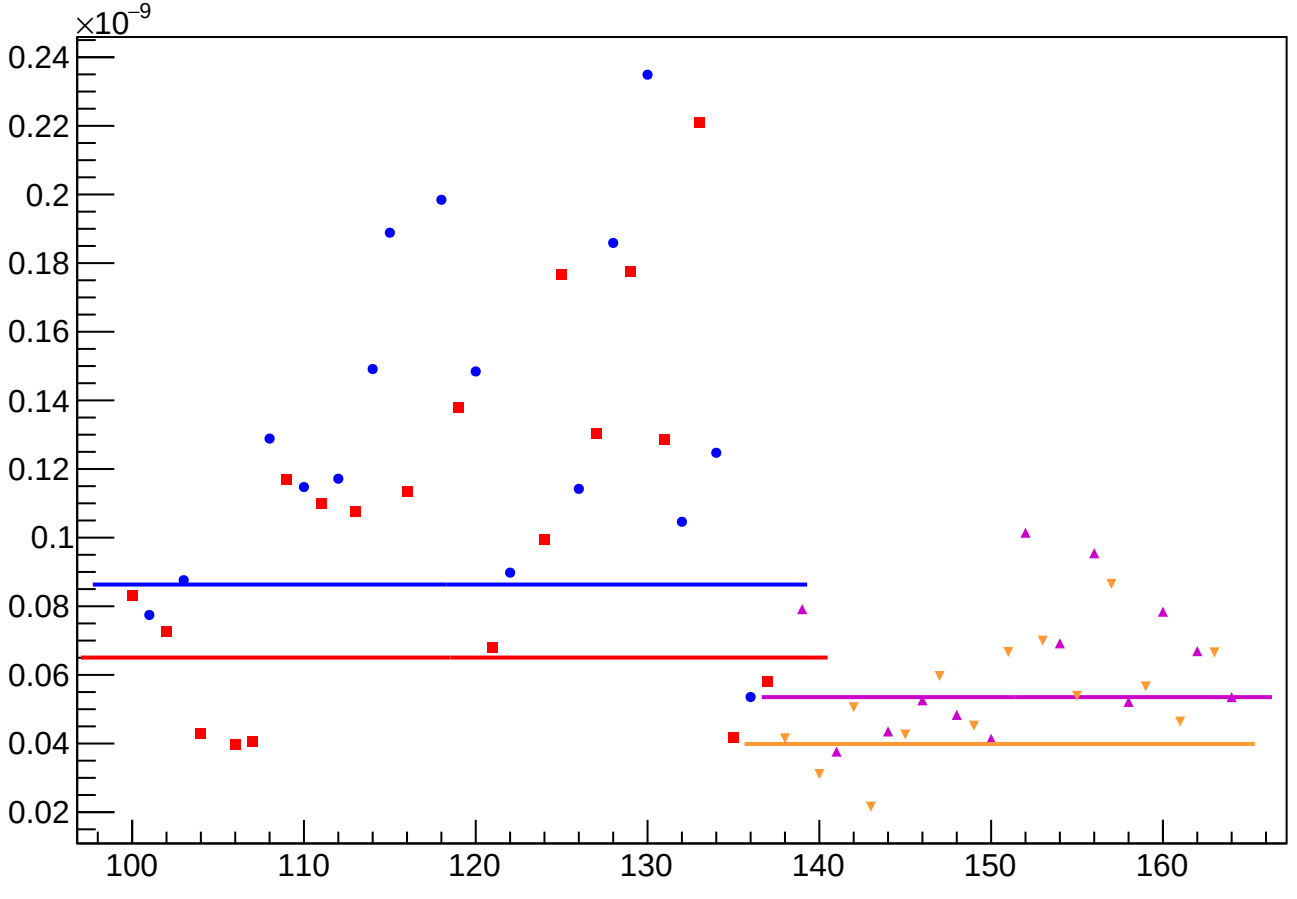
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 73.2/61

- 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:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

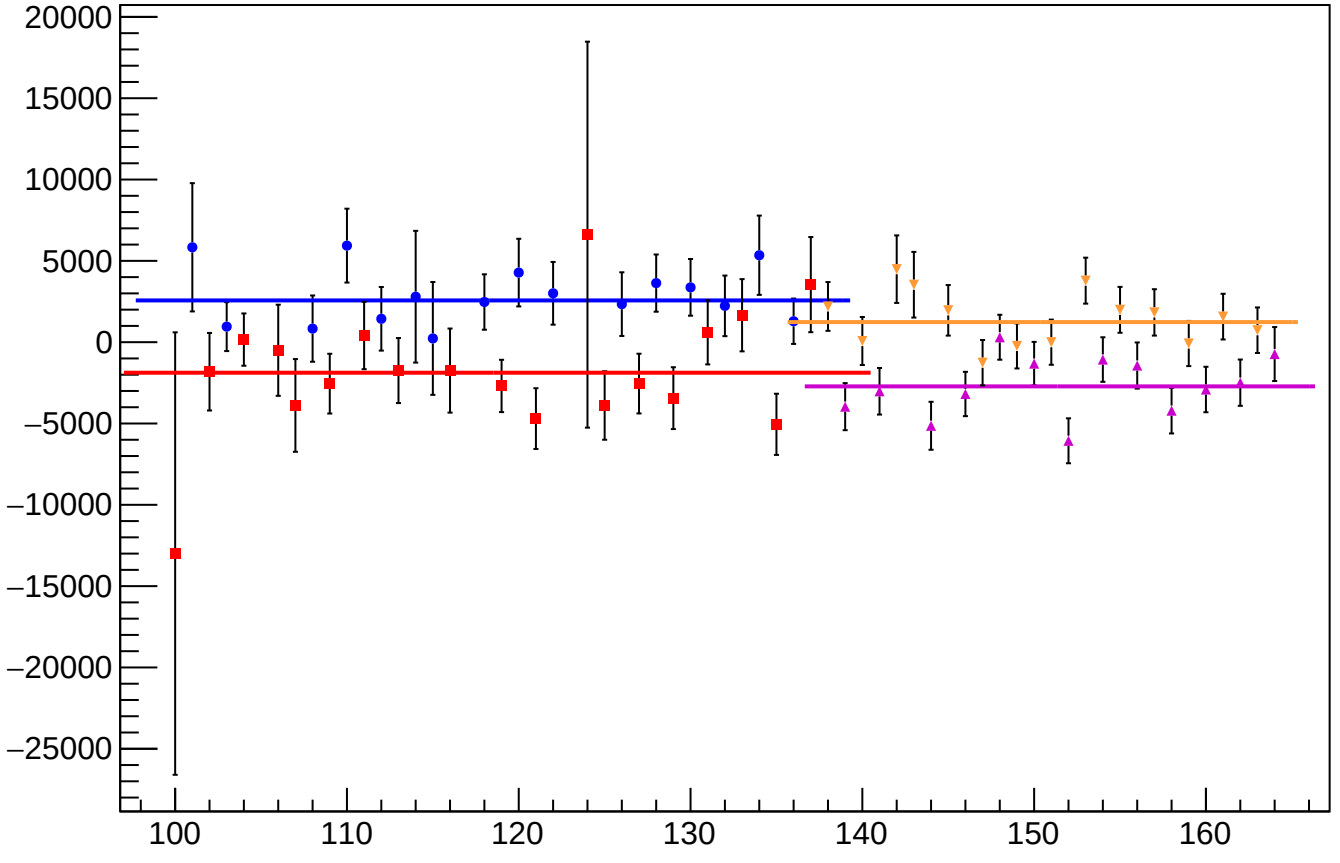
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61

- 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: 1235.851+/-395.907 χ^2/NDF:14.9/13

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

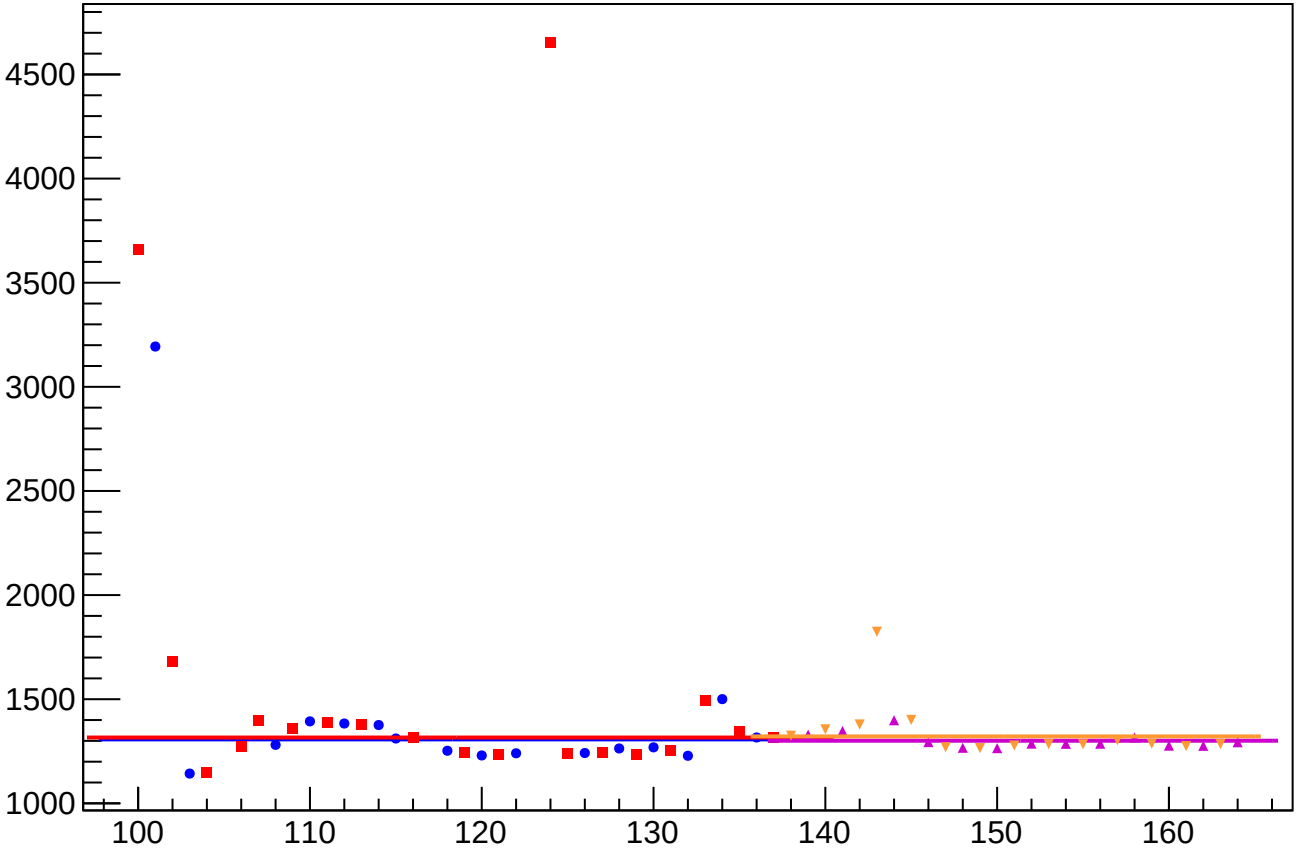
Left In: -2717.622+/-392.849 χ^2/NDF:20.2/12

+ sign 1754.888+/-309.268 χ^2/NDF: 28.4/29

All: -329.910+/-218.111 χ^2/NDF: 160.3/61

- 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: 1321.417+/-0.280 χ^2/NDF:147877.9/13

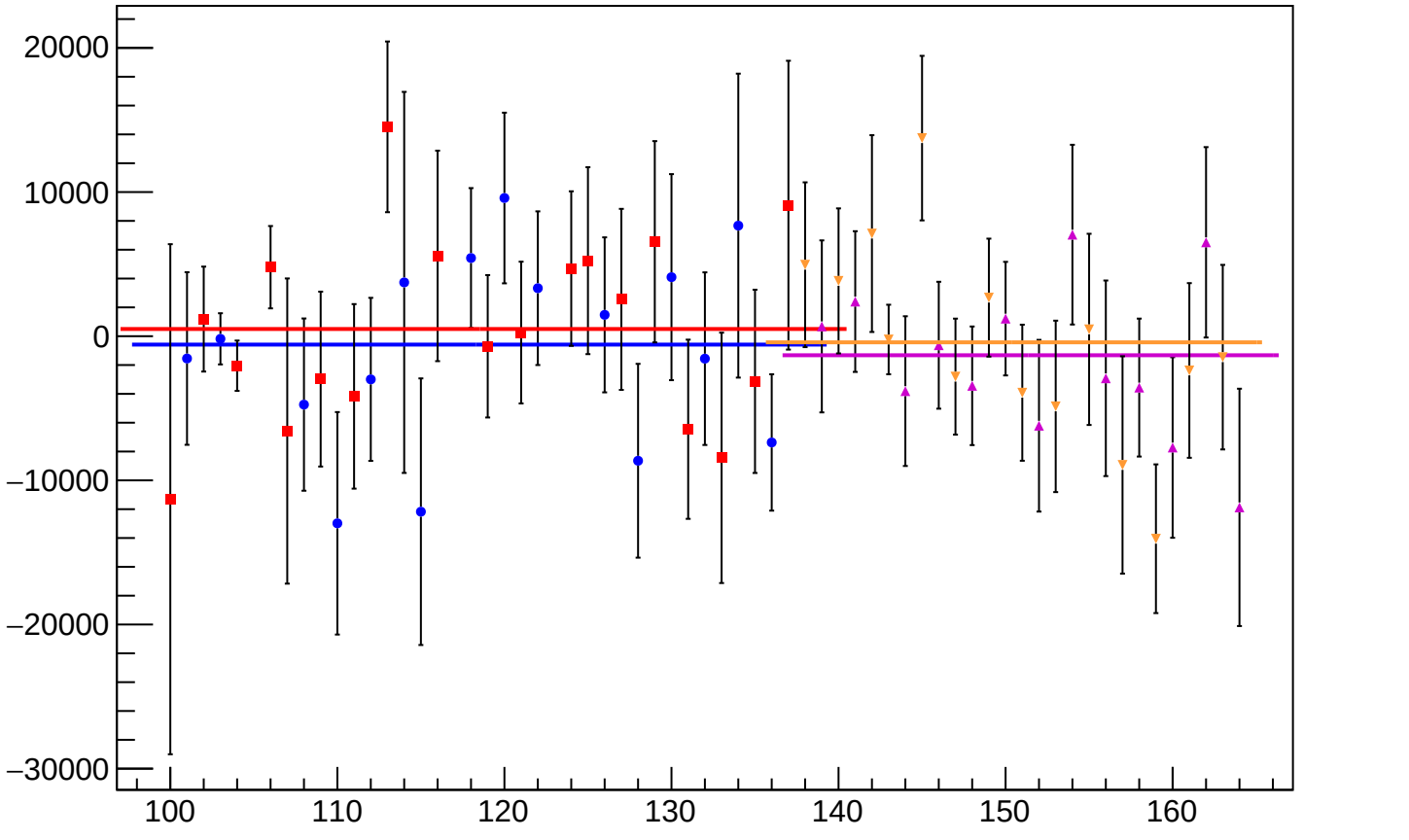
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1315.824+/-0.219 χ^2/NDF: 665150.9/29

All: 1311.183+/-0.154 χ^2/NDF: 1010290.7/61

- 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: -424.907+/-1271.494 χ^2/NDF:19.4/13

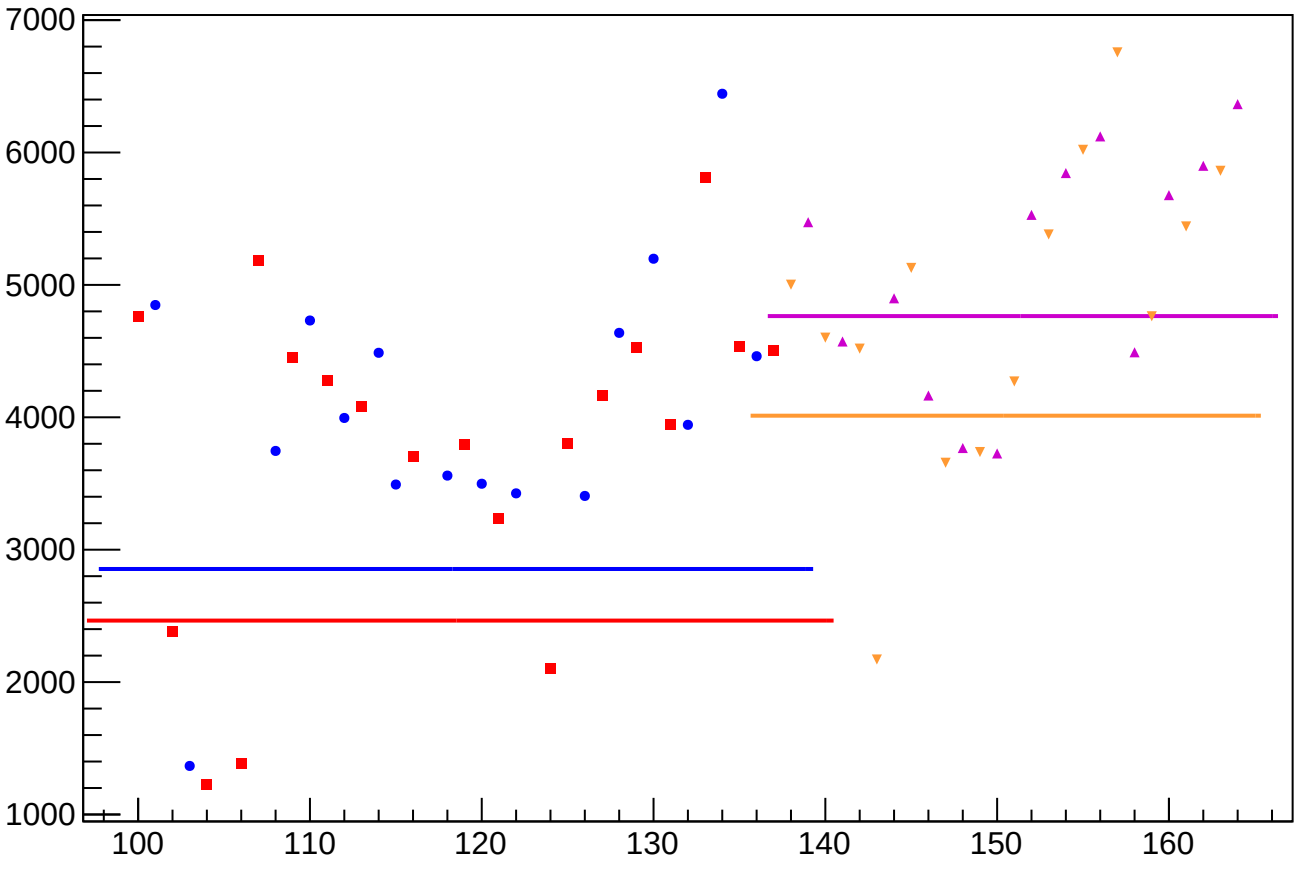
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1321.061+/-1466.797 χ^2/NDF:8.5/12

+ sign -508.349+/-869.952 χ^2/NDF: 34.2/29

All: -311.782+/-610.411 χ^2/NDF: 61.5/61

- 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: 4012.175+/-0.899 χ^2/NDF:2247461.9/13

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

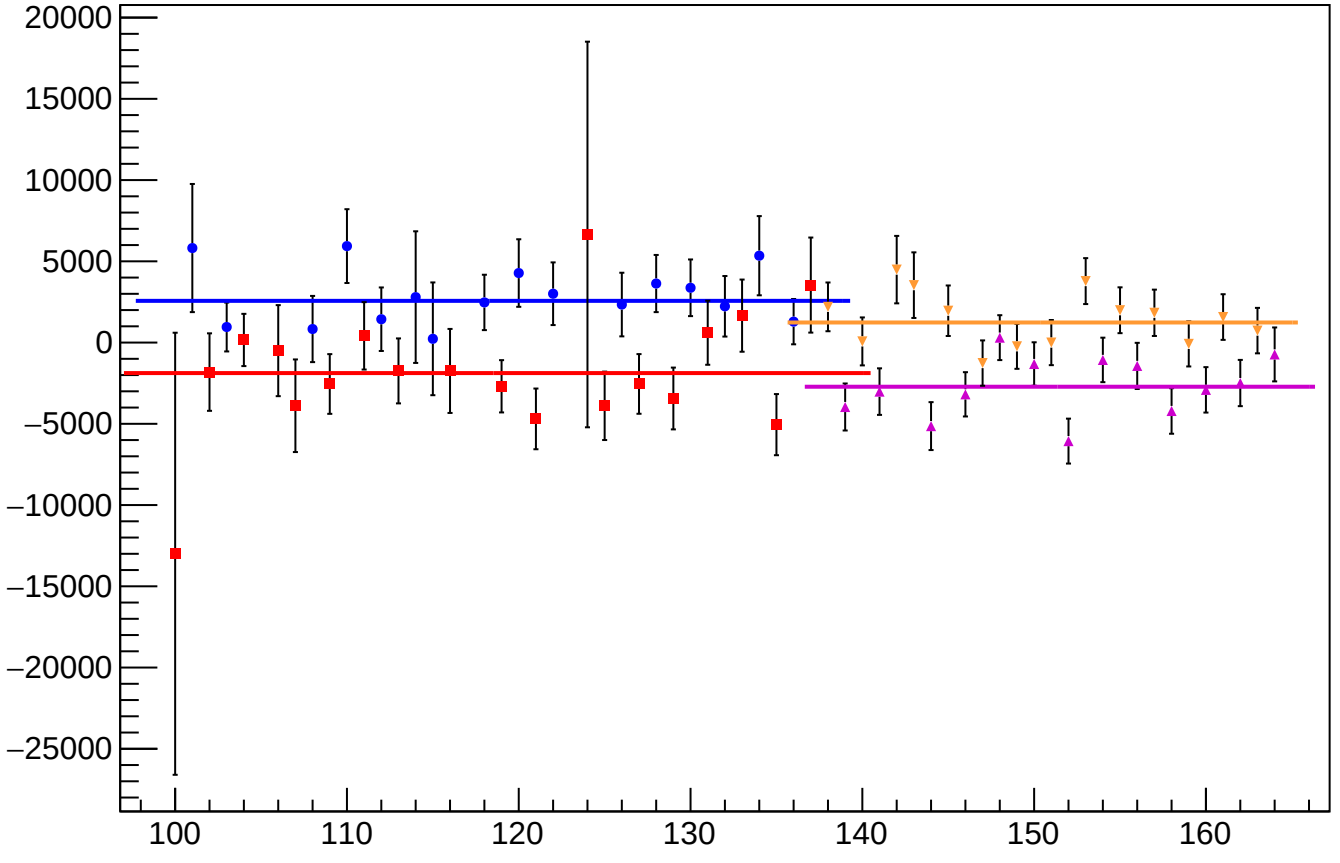
Left In: 4764.473+/-1.037 χ^2/NDF:682820.8/12

+ sign 3396.330+/-0.615 χ^2/NDF: 6034418.3/29

All: 3321.612+/-0.432 χ^2/NDF: 13341907.5/6

- 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: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

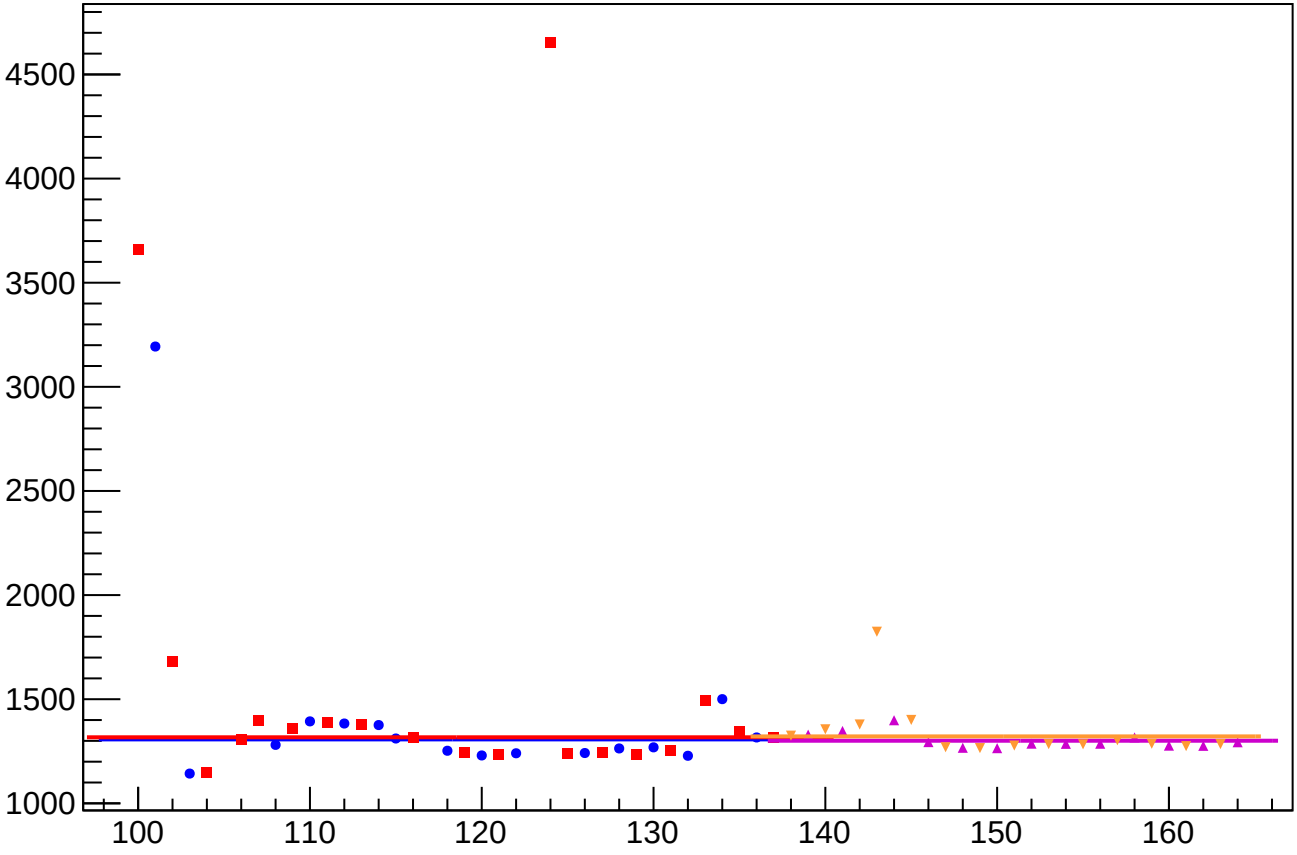
Left In: -2717.705+/-392.849 χ^2/NDF:20.2/12

+ sign 1754.739+/-309.268 χ^2/NDF: 28.4/29

All: -329.960+/-218.111 χ^2/NDF: 160.3/61

- 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: 1321.417+/-0.280 χ^2/NDF:147877.9/13

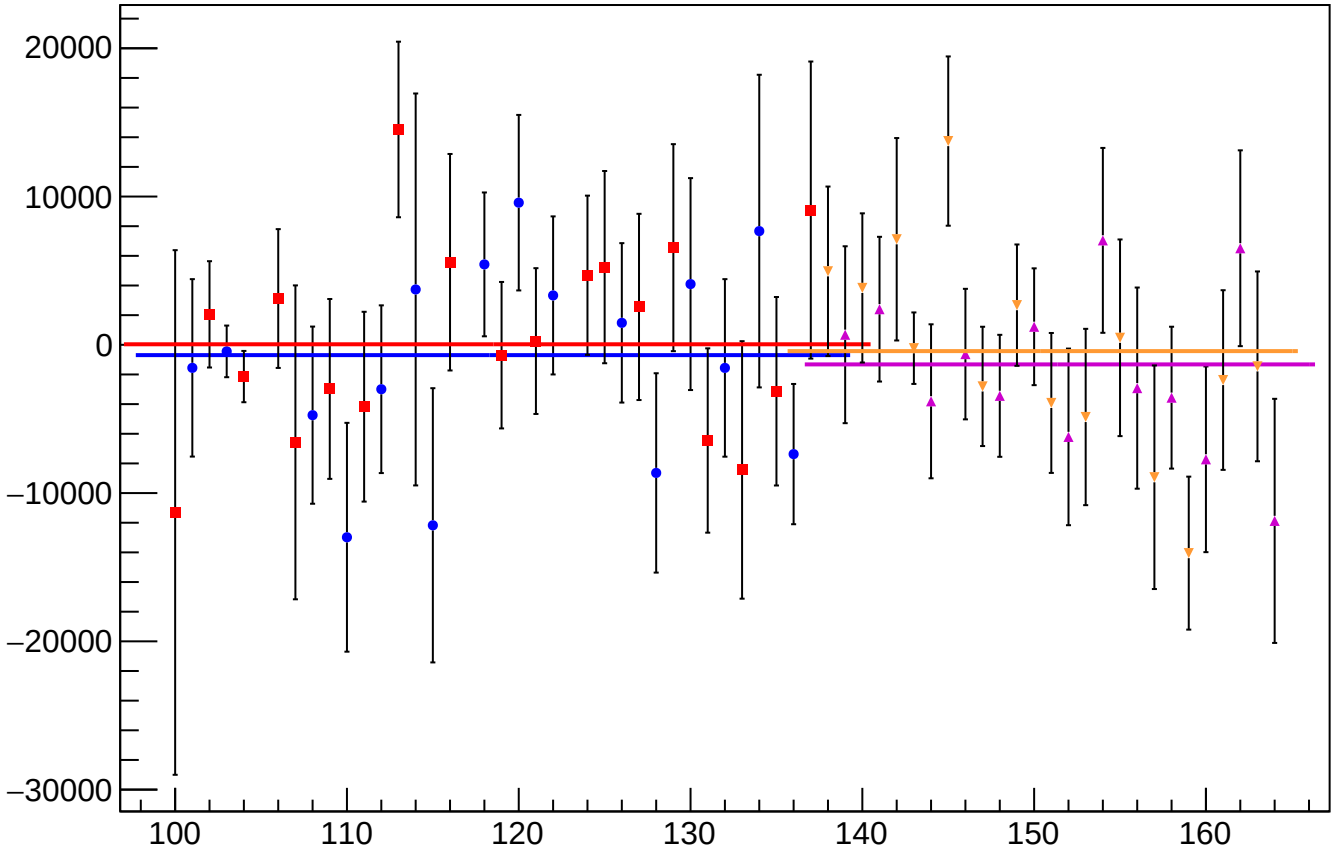
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1315.824+/-0.219 χ^2/NDF: 665152.4/29

All: 1311.401+/-0.154 χ^2/NDF: 1009896.4/61

- 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: -424.922+/-1271.489 χ^2/NDF:19.4/13

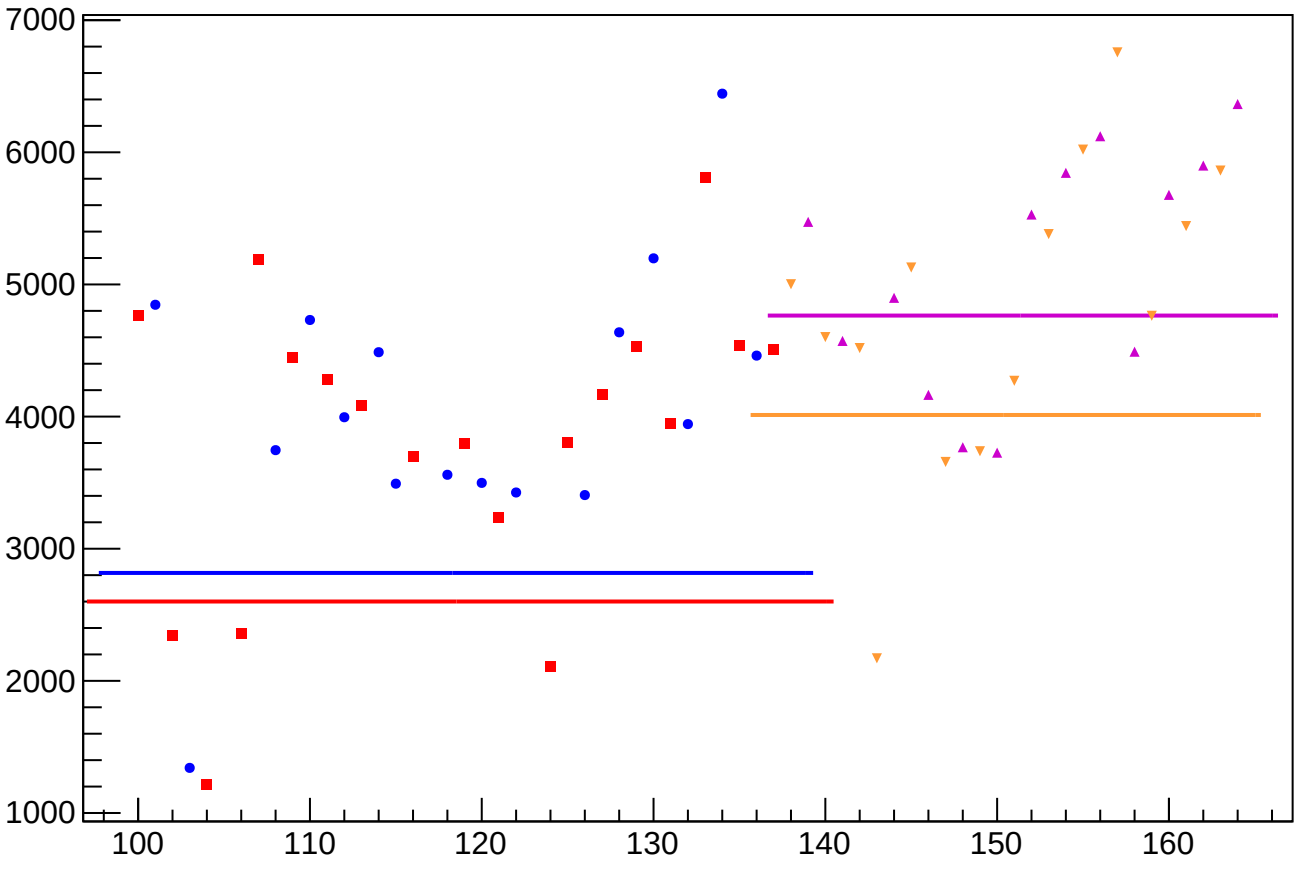
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1321.154+/-1466.797 χ^2/NDF:8.5/12

+ sign -569.884+/-865.880 χ^2/NDF: 34.1/29

All: -511.553+/-616.893 χ^2/NDF: 59.1/61

- 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: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

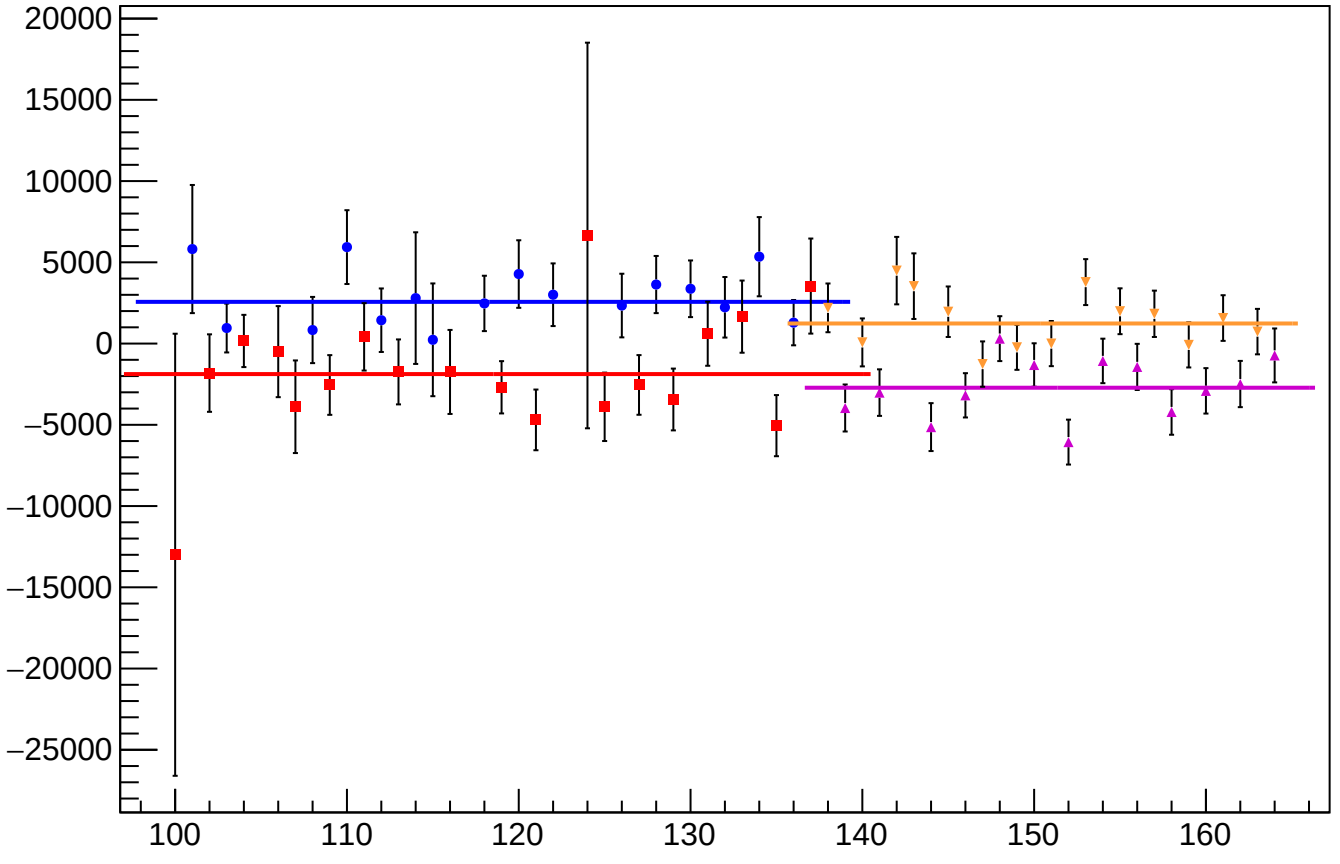
Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

+ sign 3371.143+/-0.612 χ^2/NDF: 6203022.0/29

All: 3374.437+/-0.436 χ^2/NDF: 12756018.0/6

- sign 3377.831+/-0.622 χ^2/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: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

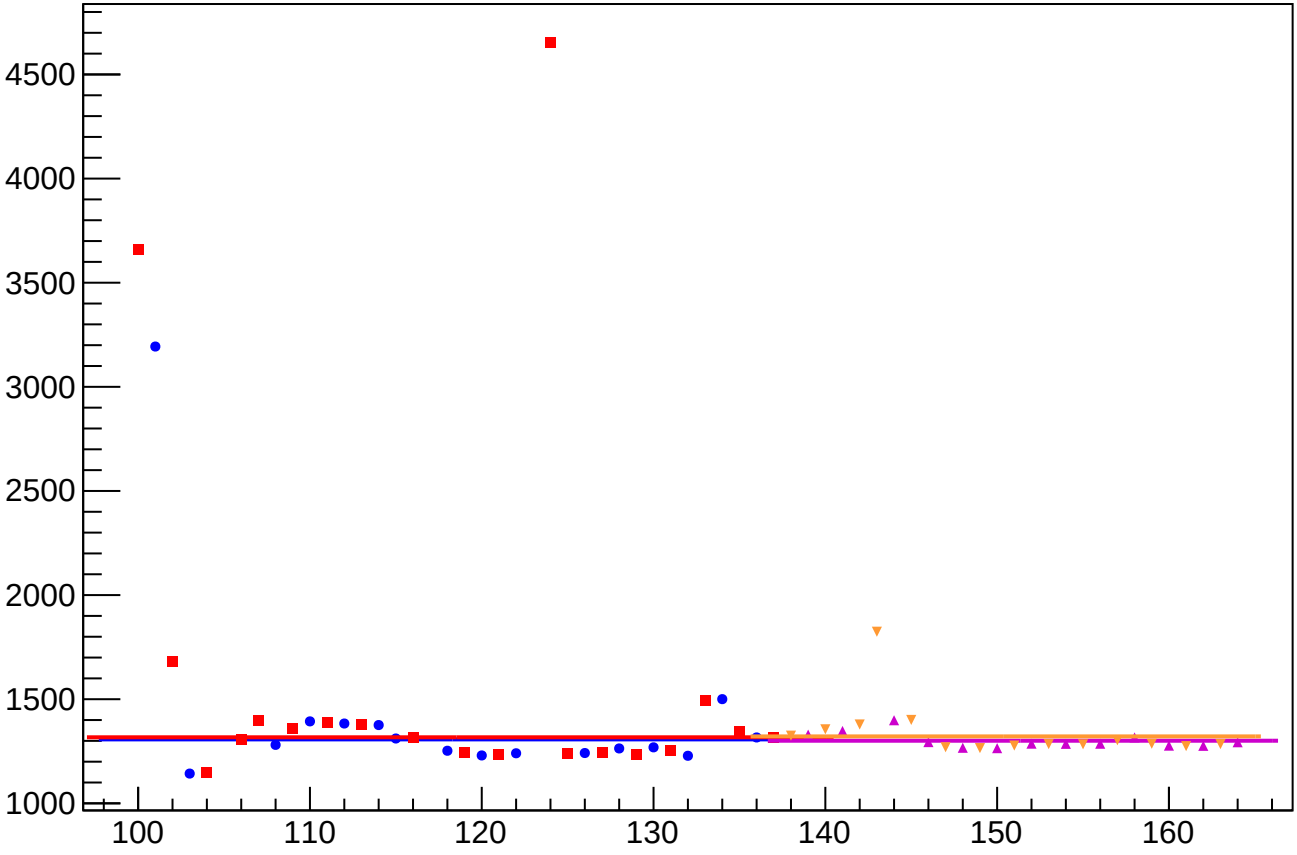
Left In: -2717.705+/-392.849 χ^2/NDF:20.2/12

+ sign 1754.739+/-309.268 χ^2/NDF: 28.4/29

All: -329.960+/-218.111 χ^2/NDF: 160.3/61

- 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: 1321.417+/-0.280 χ^2/NDF:147877.9/13

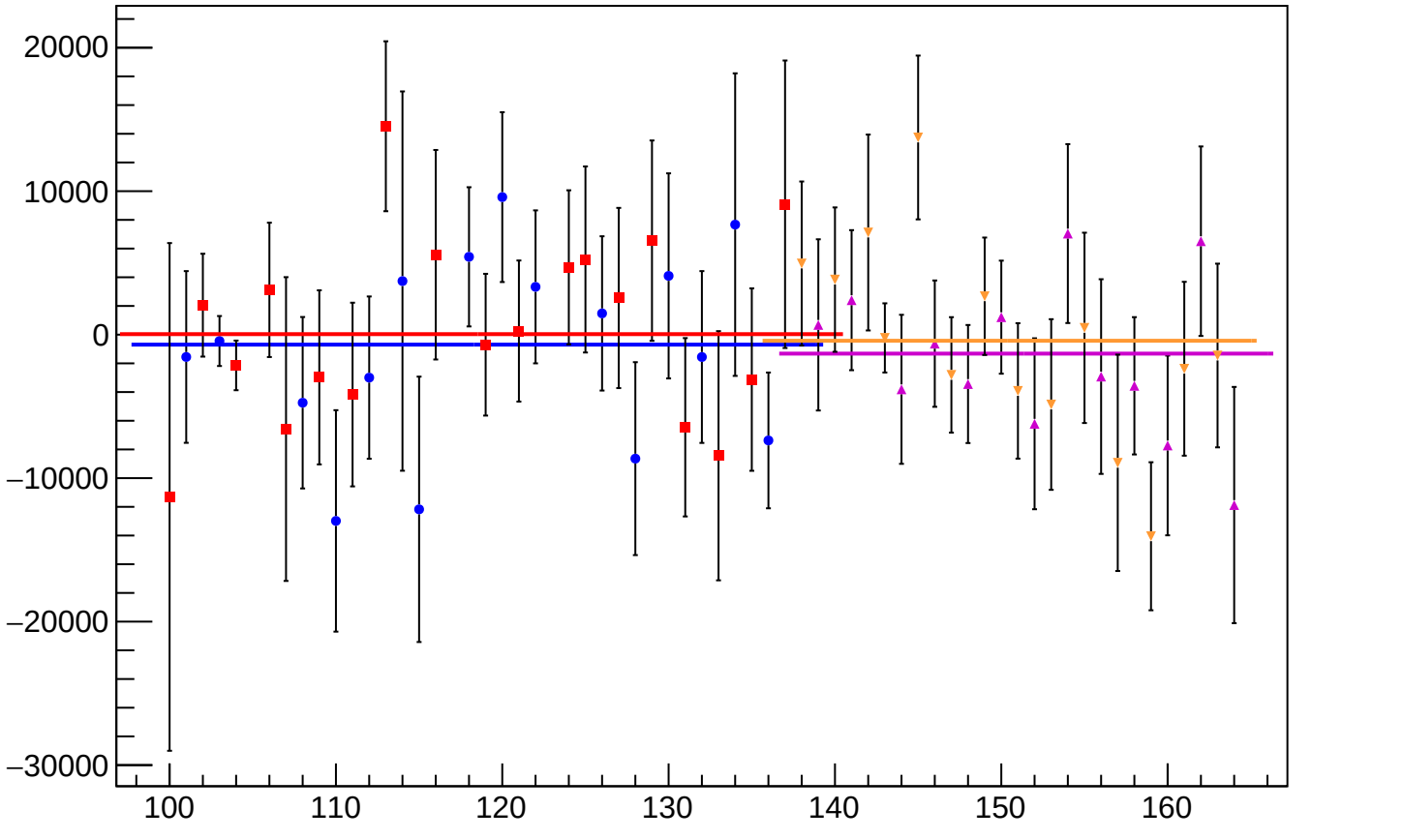
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1315.824+/-0.219 χ^2/NDF: 665152.4/29

All: 1311.401+/-0.154 χ^2/NDF: 1009896.4/61

- 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: -424.922+/-1271.489 χ^2/NDF:19.4/13

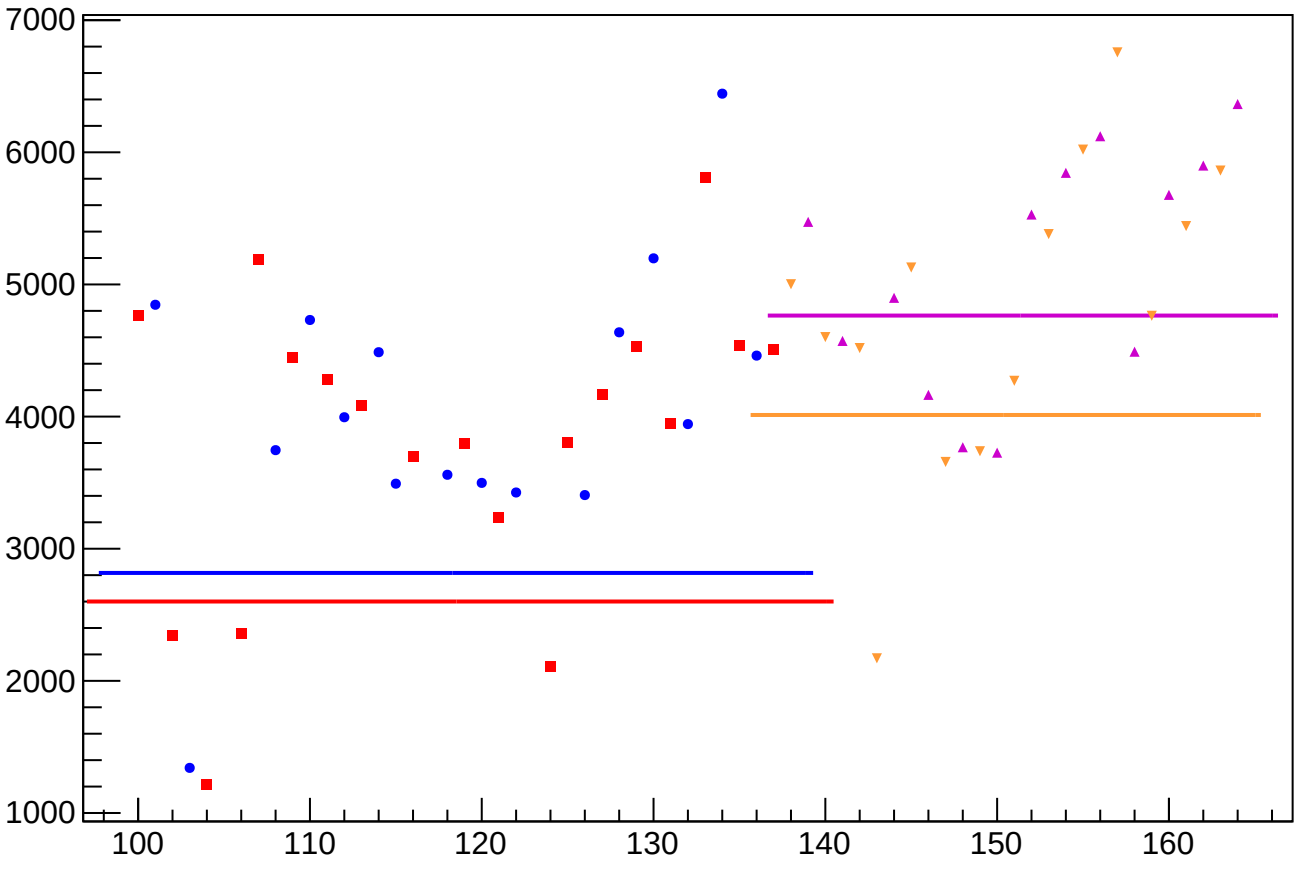
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1321.154+/-1466.797 χ^2/NDF:8.5/12

+ sign -569.884+/-865.880 χ^2/NDF: 34.1/29

All: -511.553+/-616.893 χ^2/NDF: 59.1/61

- 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: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

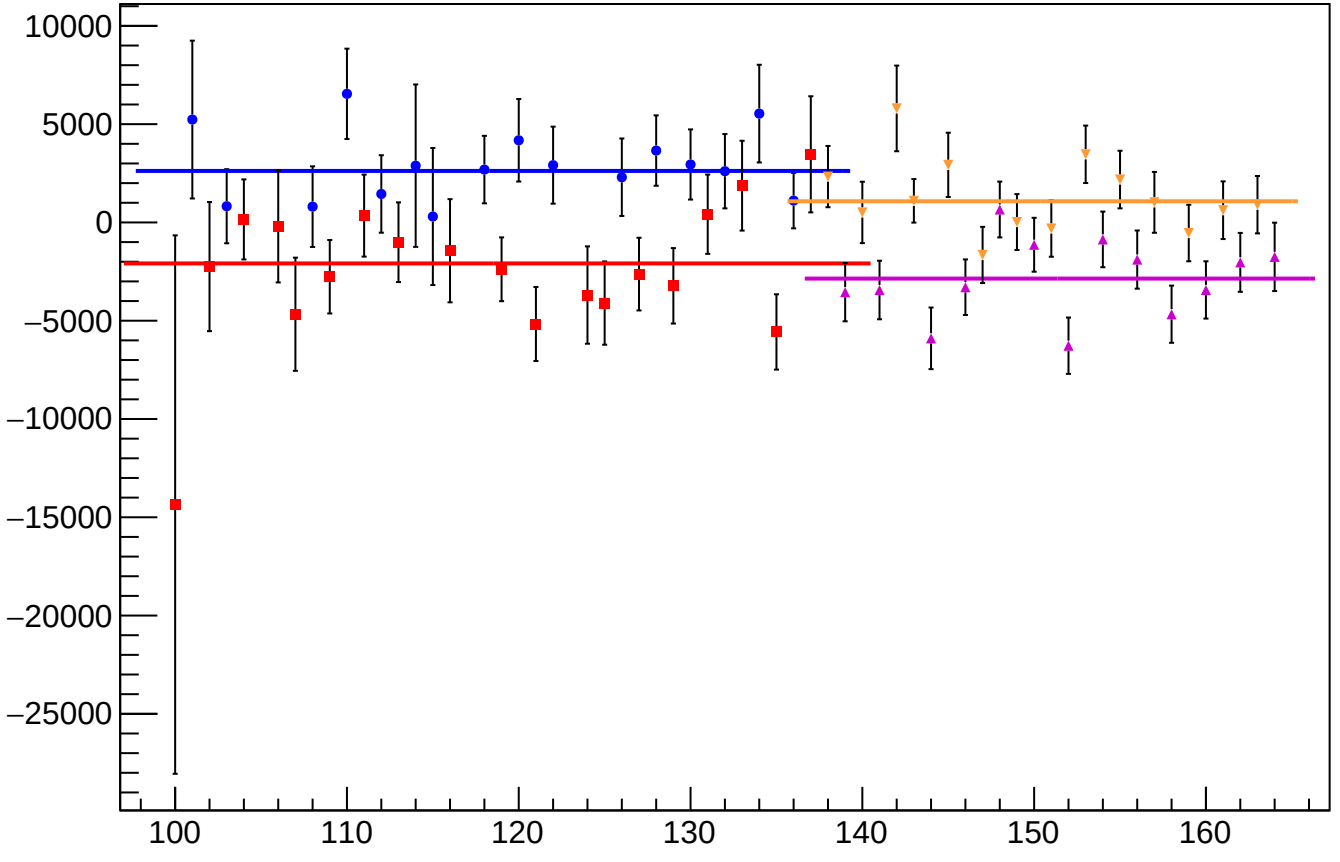
Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

\+ sign 3371.143+/-0.612 χ^2/NDF: 6203022.0/29

All: 3374.437+/-0.436 χ^2/NDF: 12756018.0/6

\- 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: 1076.459+/-393.483 χ^2/NDF:16.5/13

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

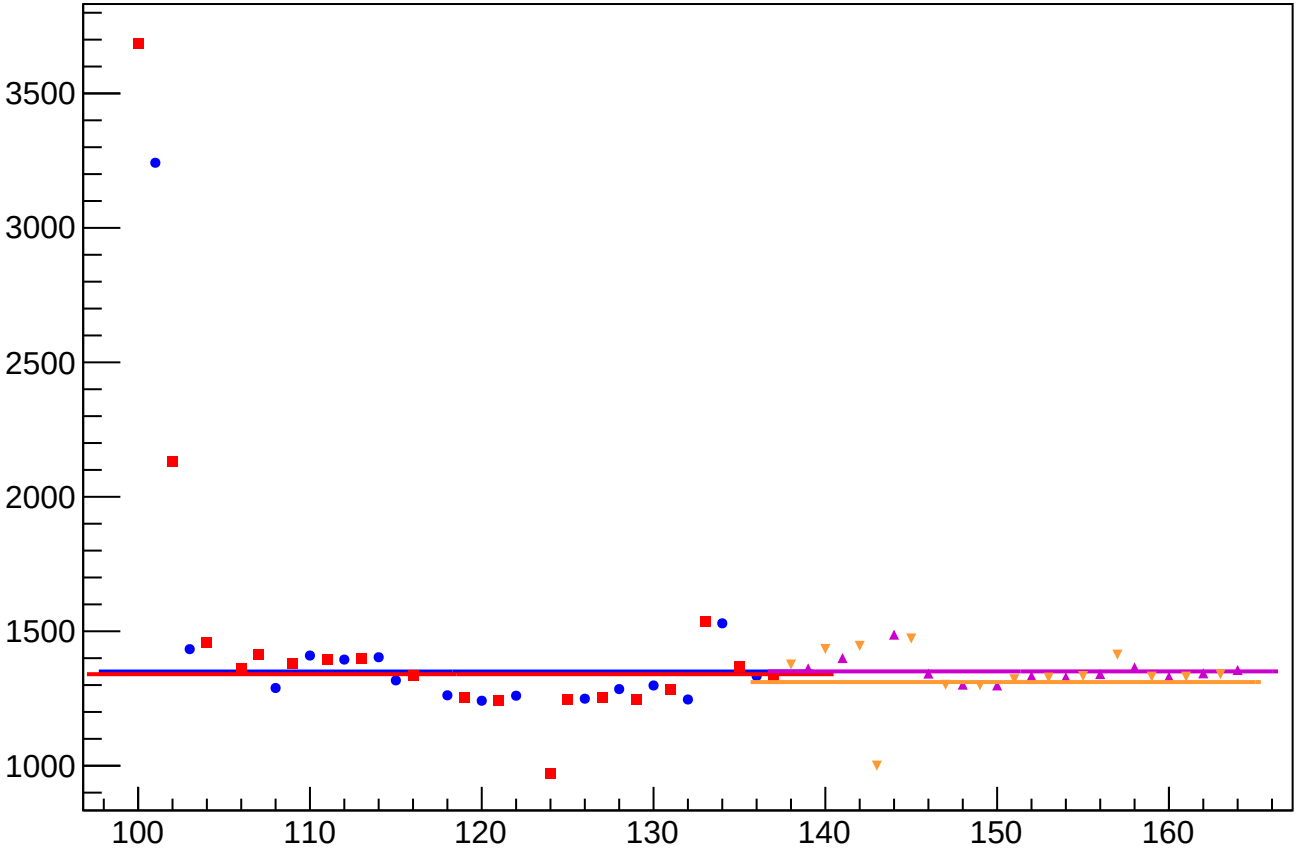
Left In: -2856.400+/-408.125 χ^2/NDF:22.4/12

+ sign 1650.490+/-311.880 χ^2/NDF: 31.6/29

All: -413.840+/-222.456 χ^2/NDF: 165.5/61

- 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: 1311.133+/-0.278 χ^2/NDF:212085.4/13

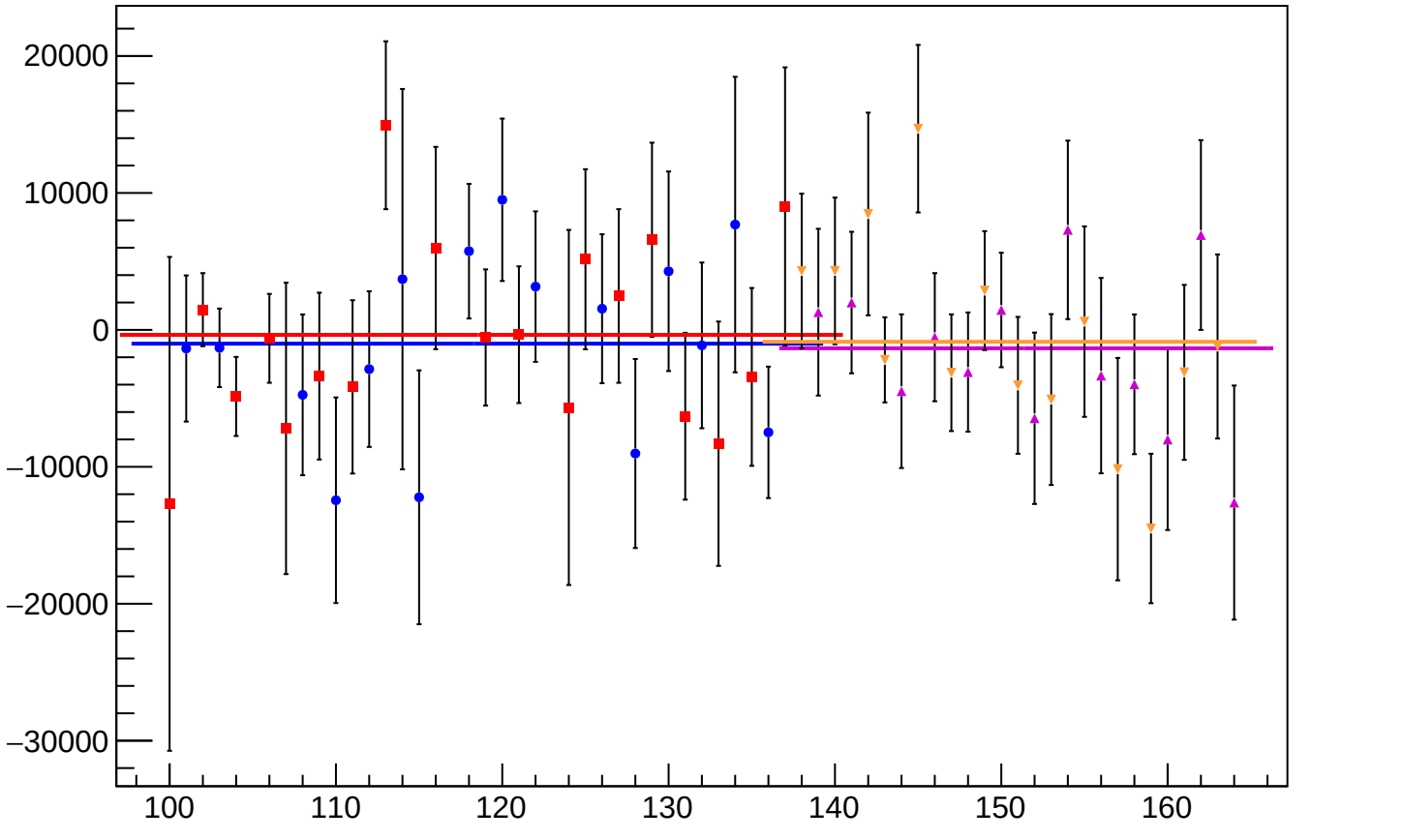
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.809+/-0.289 χ^2/NDF:24400.2/12

+ sign 1325.720+/-0.221 χ^2/NDF: 713529.2/29

All: 1336.030+/-0.157 χ^2/NDF: 1015073.2/61

- 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: -869.658+/-1407.662 χ^2/NDF:19.6/13

Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

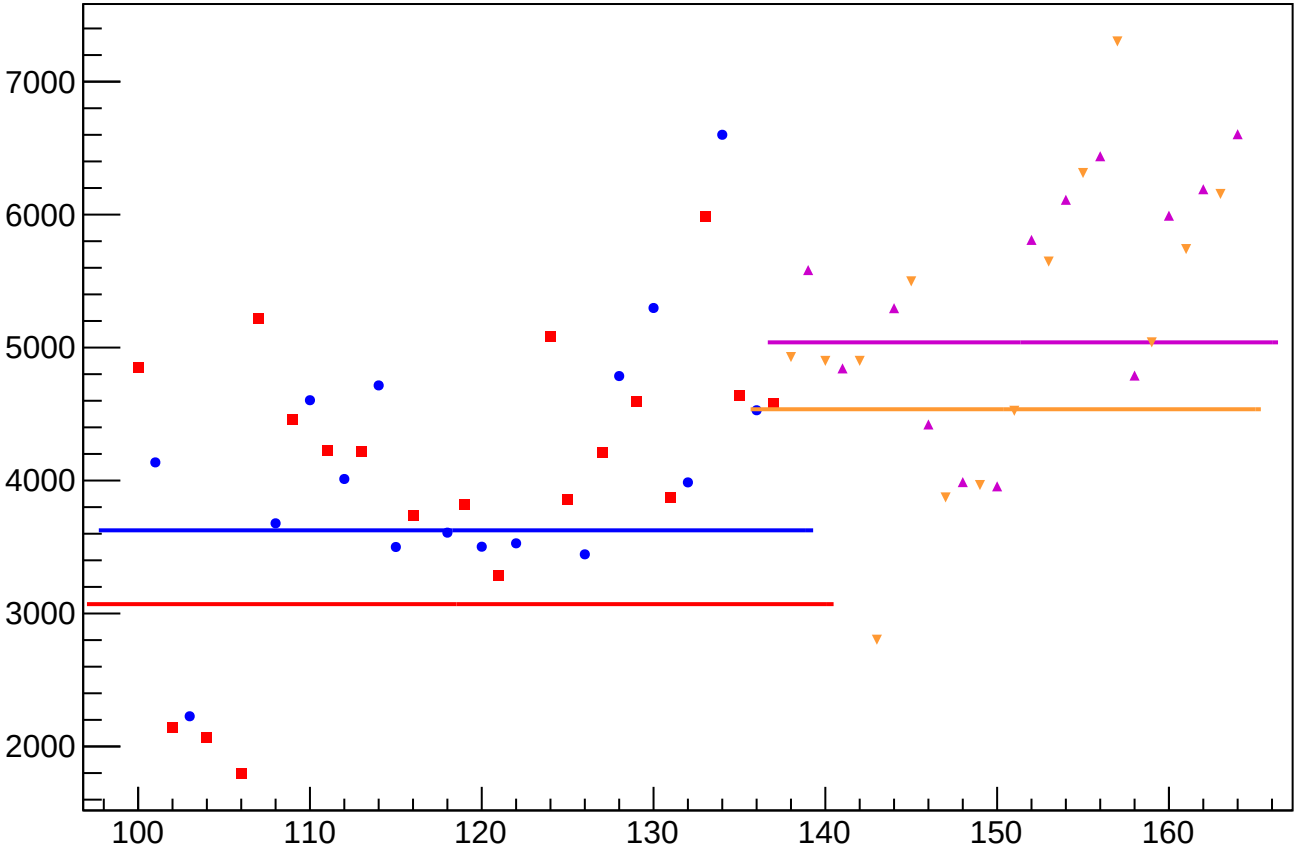
Left In: -1343.239+/-1549.867 χ^2/NDF:8.5/12

+ sign -938.361+/-994.233 χ^2/NDF: 34.2/29

All: -830.641+/-686.883 χ^2/NDF: 59.2/61

- sign -732.278+/-950.071 χ^2/NDF: 25.0/31

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4536.144+/-0.995 χ^2/NDF:1408614.4/13

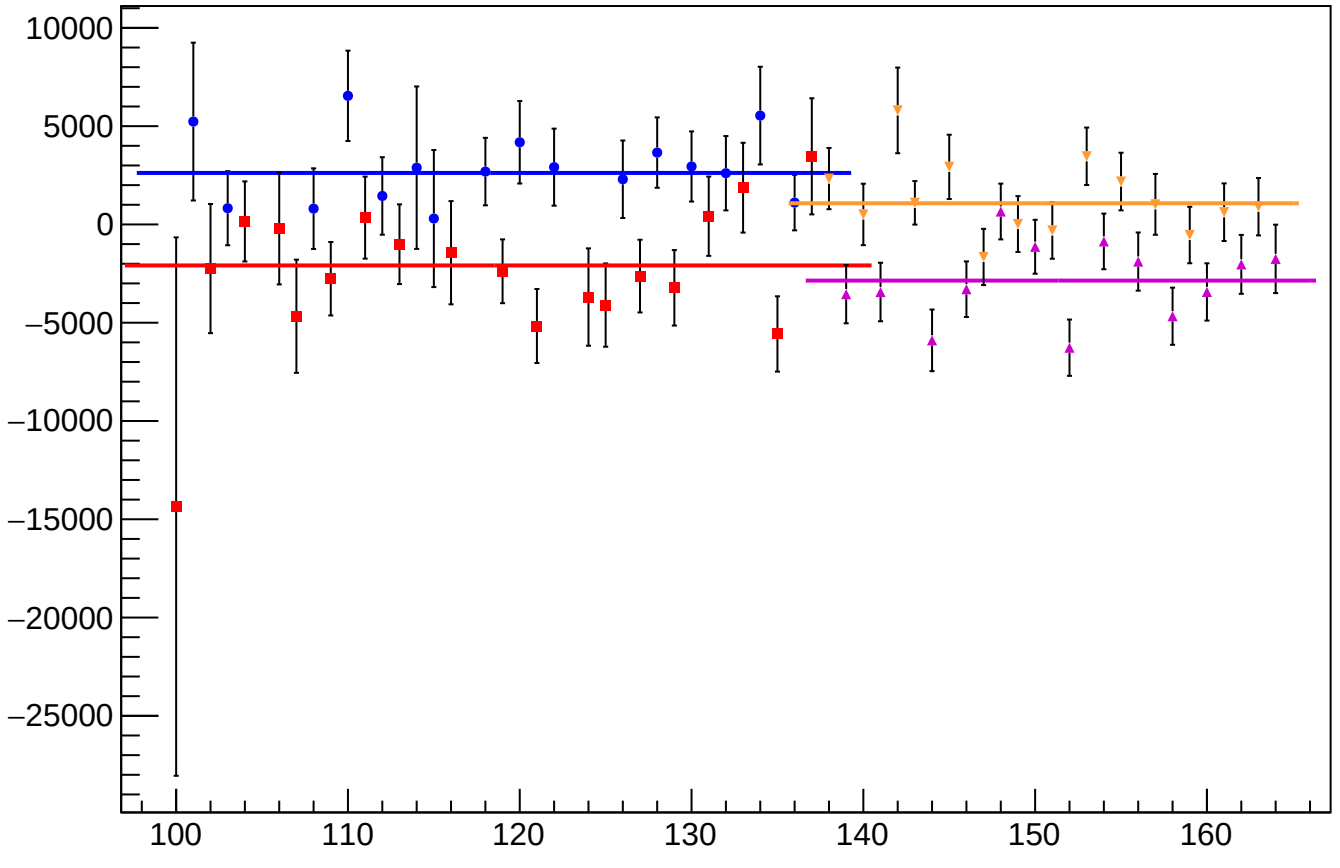
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5039.241+/-1.096 χ^2/NDF:638611.5/12

\+ sign 4079.791+/-0.703 χ^2/NDF: 2772967.5/29

All: 3938.907+/-0.486 χ^2/NDF: 7341661.7/61

\- 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: 1076.452+/-393.483 χ^2/NDF:16.5/13

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

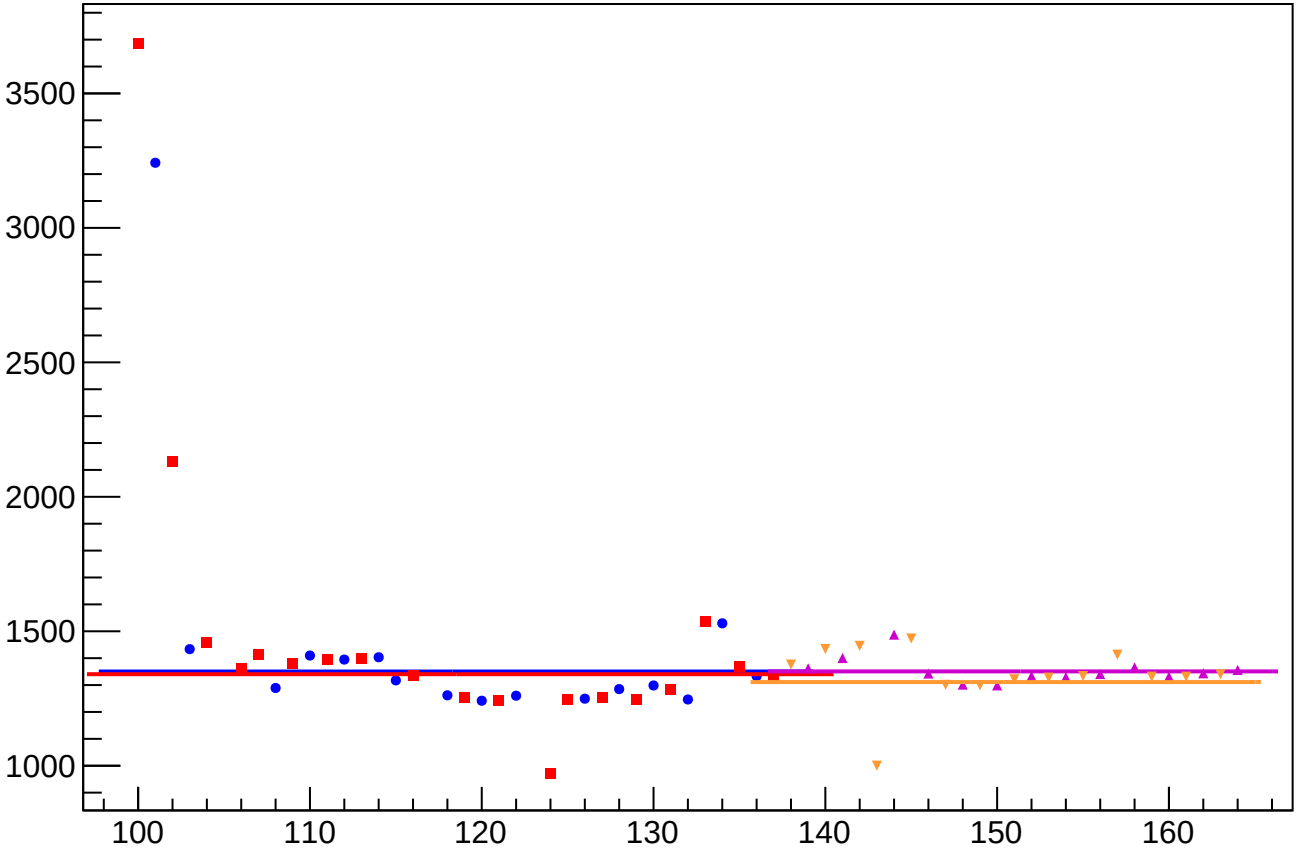
Left In: -2856.401+/-408.125 χ^2/NDF:22.4/12

+ sign 1650.486+/-311.880 χ^2/NDF: 31.6/29

All: -413.842+/-222.456 χ^2/NDF: 165.5/61

- 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: 1311.135+/-0.278 χ^2/NDF:212086.0/13

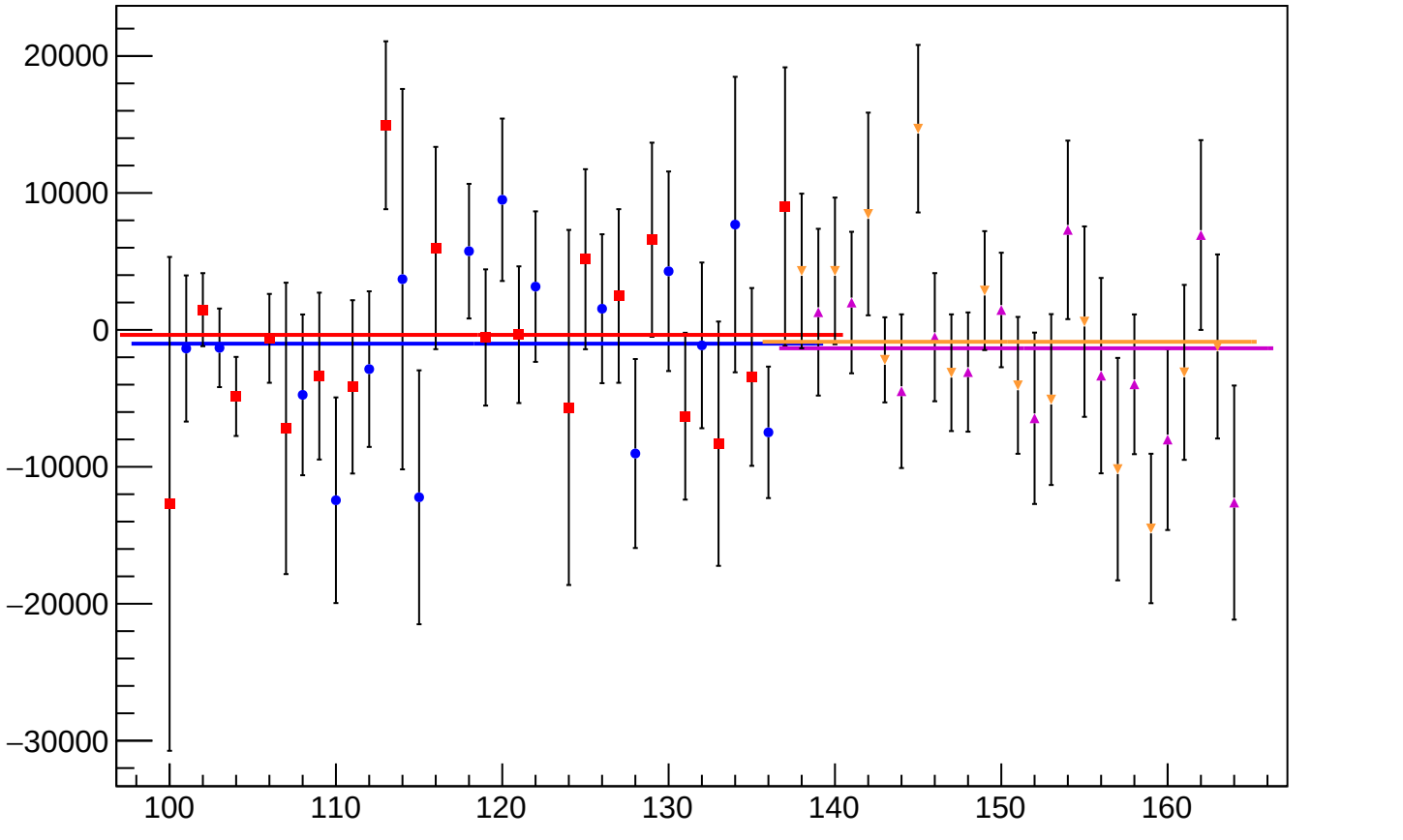
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.810+/-0.289 χ^2/NDF:24400.4/12

+ sign 1325.720+/-0.221 χ^2/NDF: 713529.3/29

All: 1336.031+/-0.157 χ^2/NDF: 1015072.7/61

- 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: -869.664+/-1407.664 χ^2/NDF:19.6/13

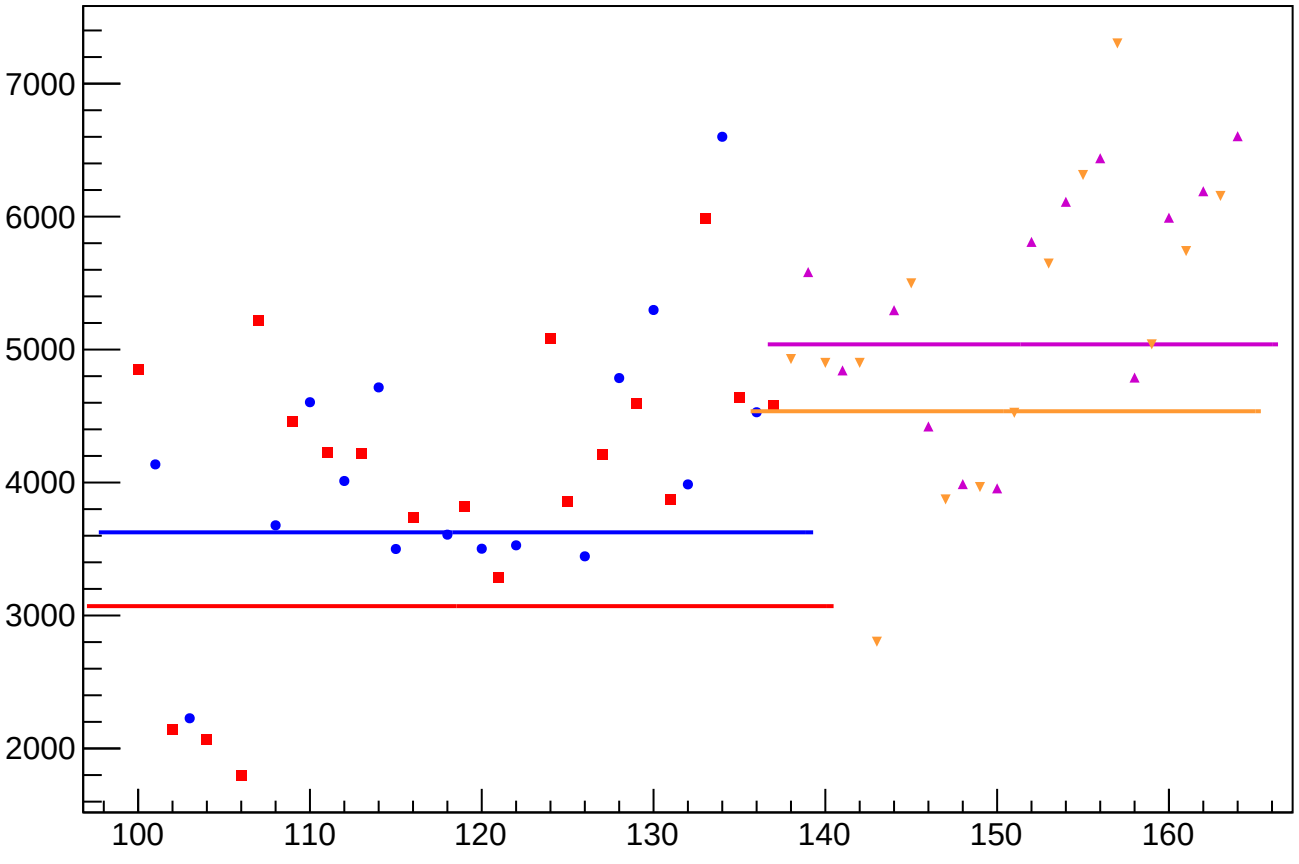
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1343.237+/-1549.869 χ^2/NDF:8.5/12

+ sign -938.360+/-994.232 χ^2/NDF: 34.2/29

All: -830.640+/-686.883 χ^2/NDF: 59.2/61

- 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: 4536.151+/-0.995 χ^2/NDF:1408614.5/13

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

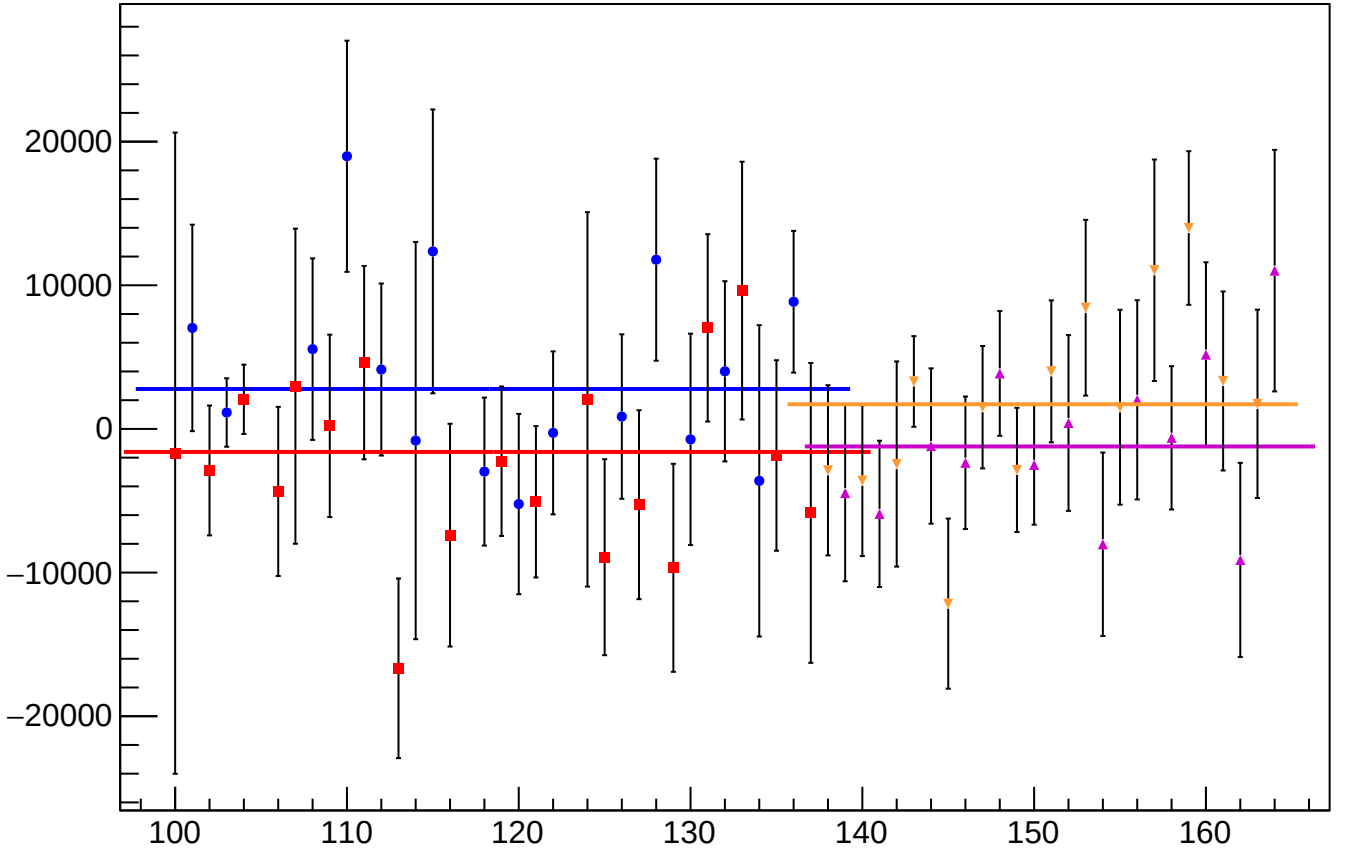
Left In: 5039.248+/-1.096 χ^2/NDF:638613.1/12

+ sign 4079.788+/-0.703 χ^2/NDF: 2772984.6/29

All: 3938.902+/-0.486 χ^2/NDF: 7341717.4/61

- 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: 1716.380+/-1397.178 χ^2/NDF:17.1/13

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

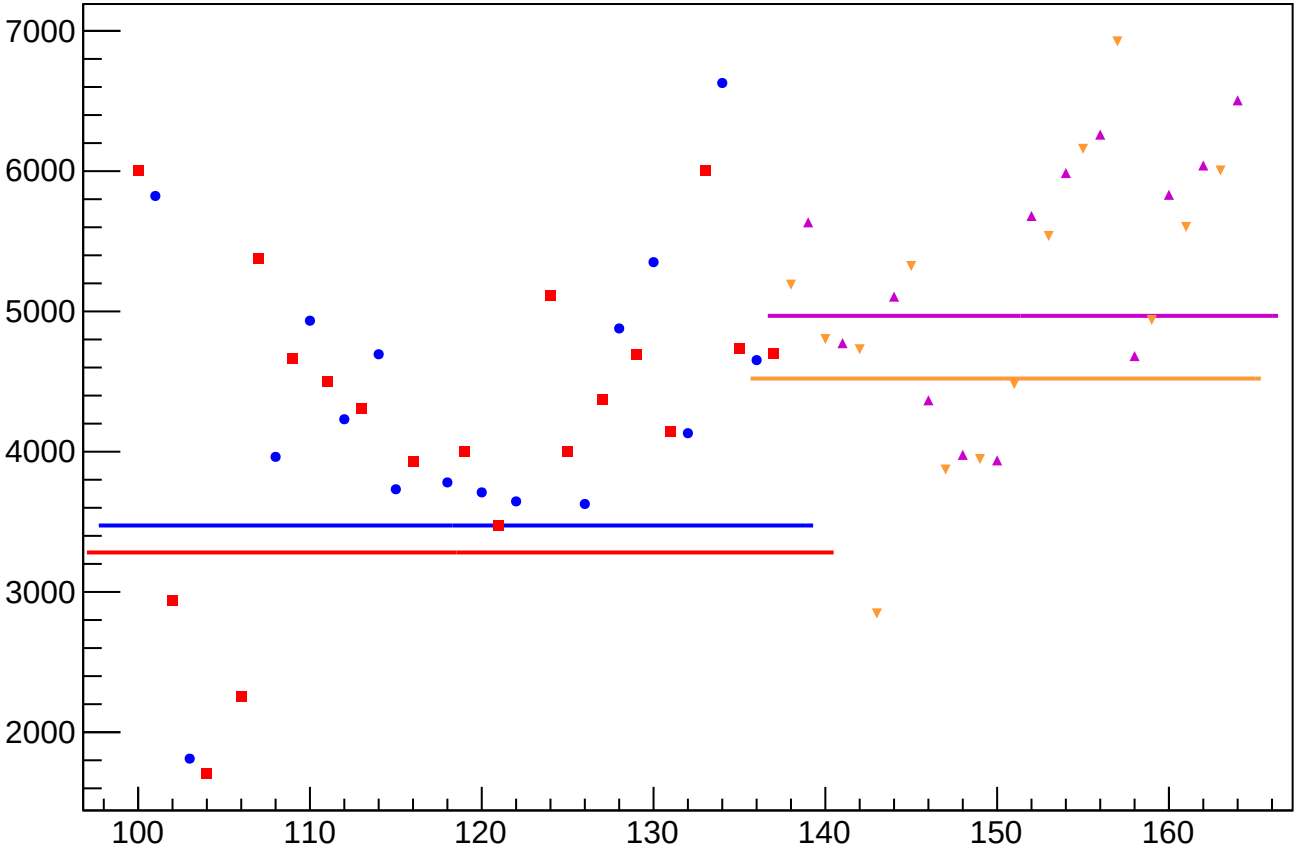
Left In: -1221.358+/-1525.778 χ^2/NDF:8.6/12

+ sign 2251.585+/-985.207 χ^2/NDF: 30.5/29

All: 445.003+/-703.735 χ^2/NDF: 62.8/61

- 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: 4521.490+/-0.988 χ^2/NDF:1255737.6/13

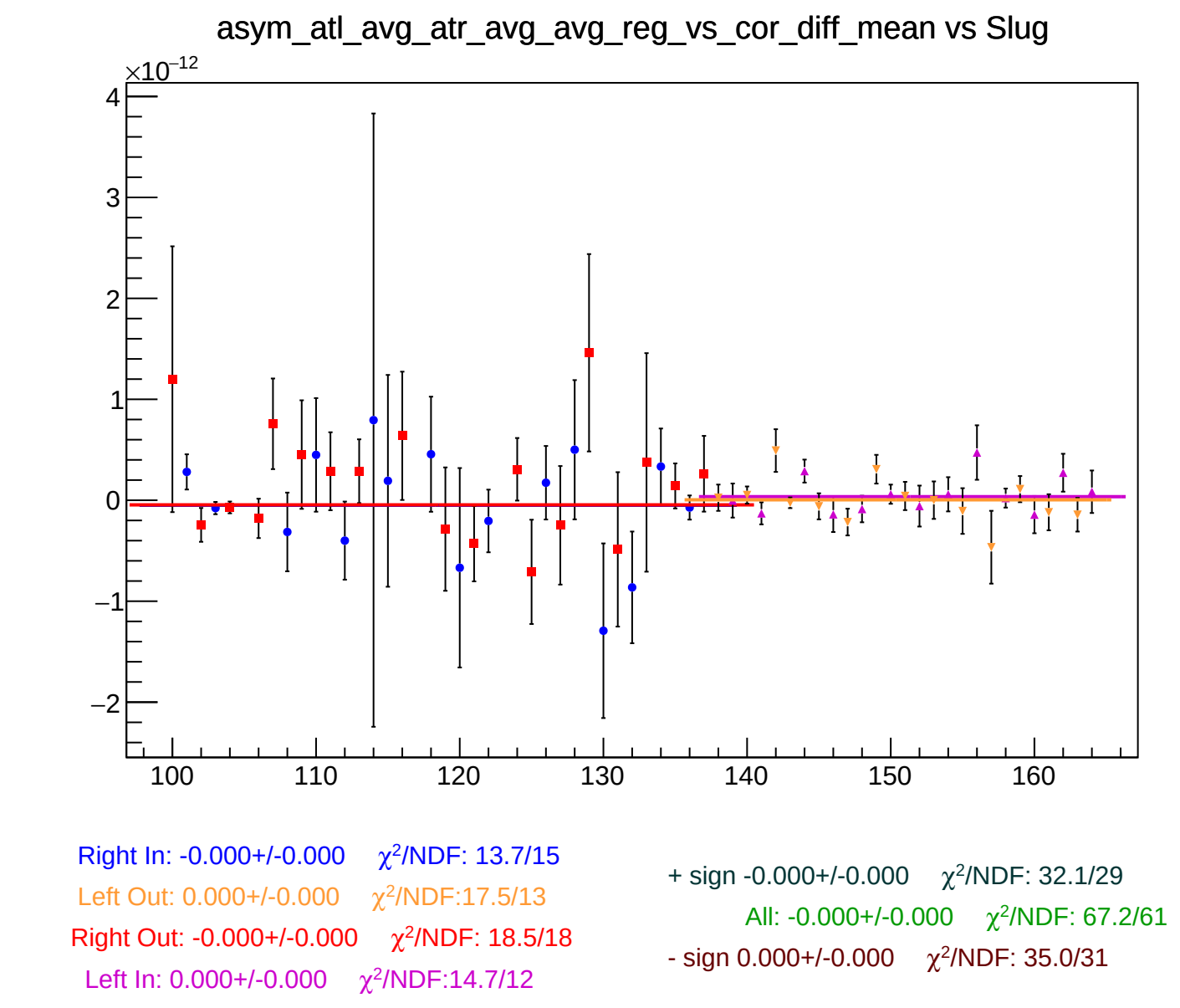
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

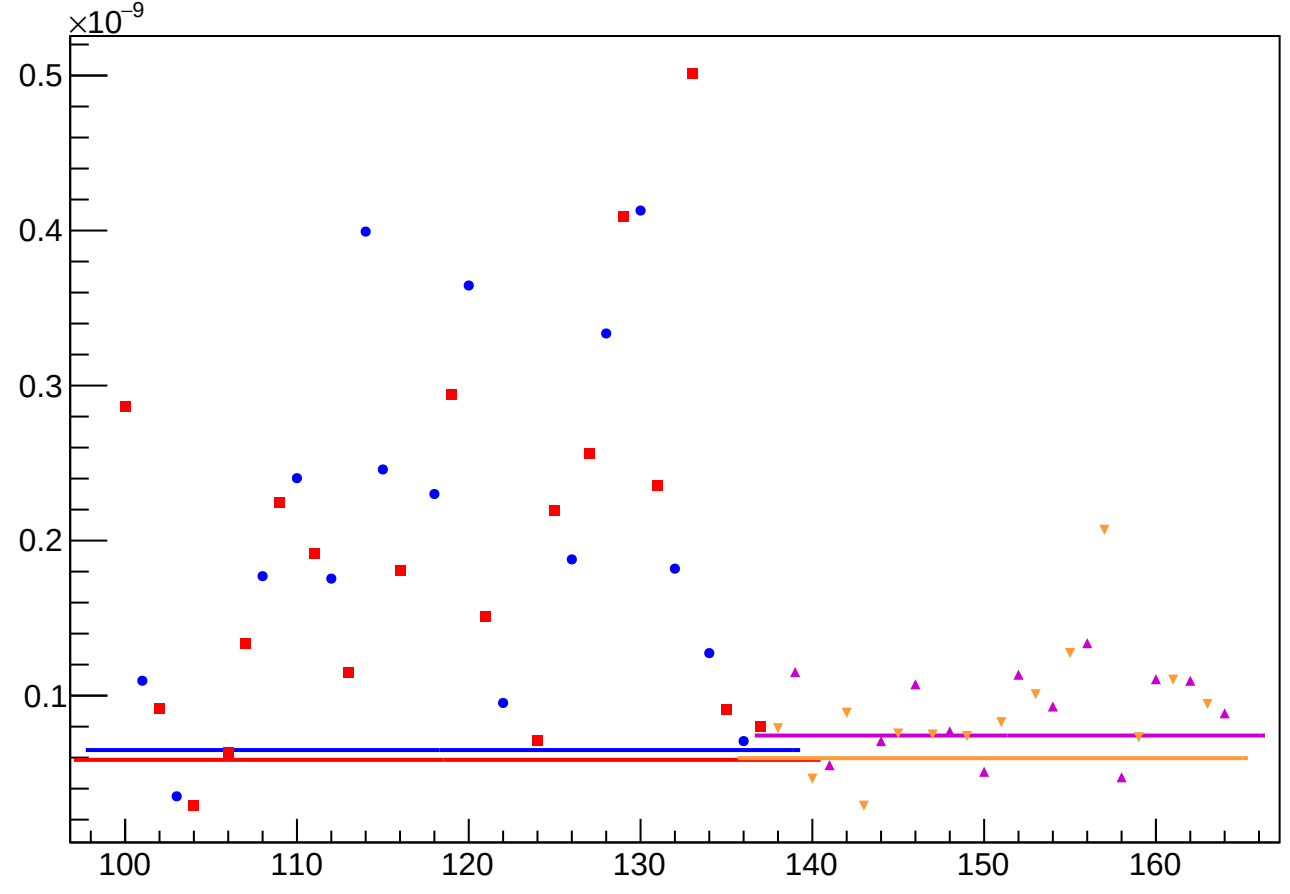
Left In: 4968.392+/-1.079 χ^2/NDF:595779.3/12

+ sign 3994.780+/-0.697 χ^2/NDF: 3665015.5/29

All: 3998.741+/-0.496 χ^2/NDF: 7535723.7/61

- 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:17.5/13
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: 32.1/29
All: -0.000+/-0.000 χ²/NDF: 67.2/61
- 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:1819155.8/13

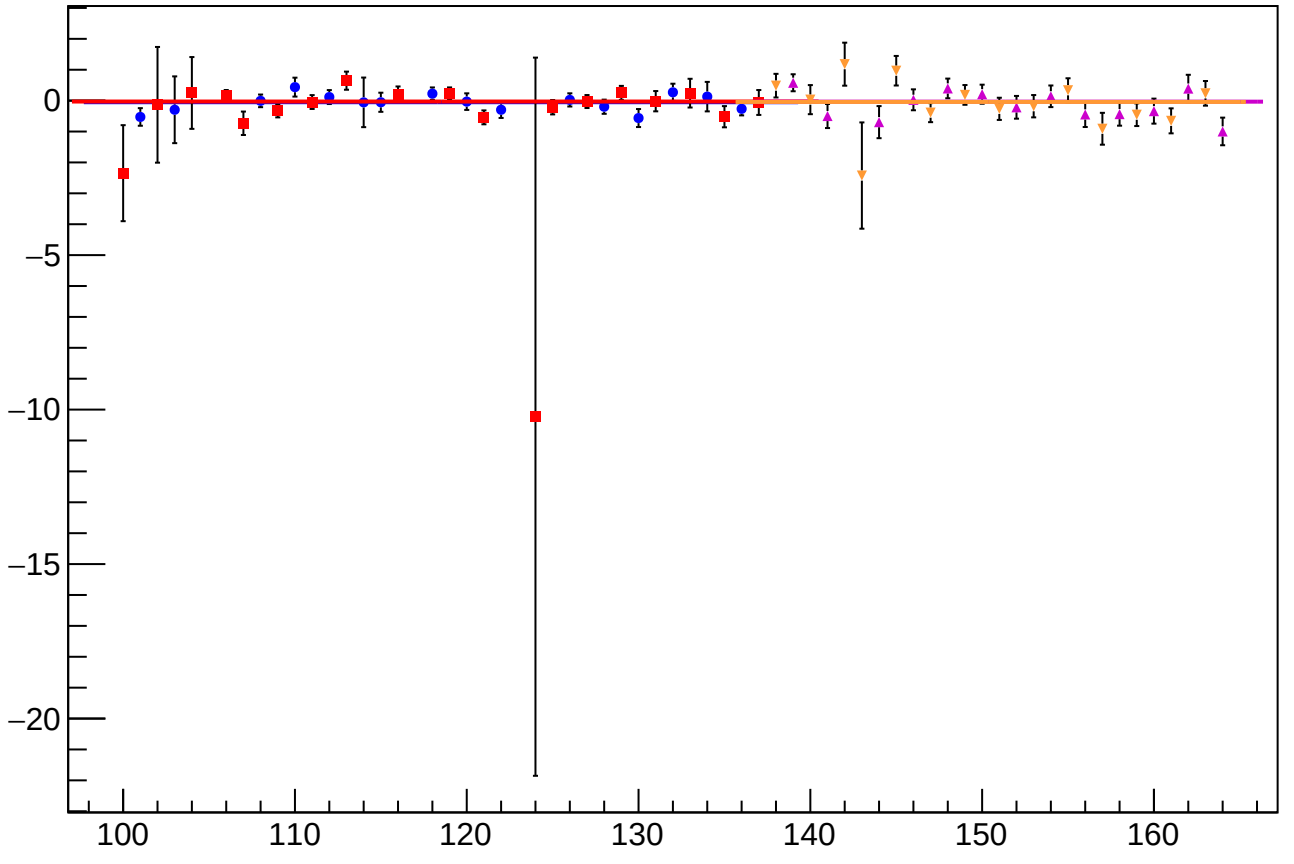
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:891071.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4428287.3/29

All: 0.000+/-0.000 χ^2/NDF: 8361090.0/61

- 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: -0.042+/-0.109 χ^2/NDF:21.5/13

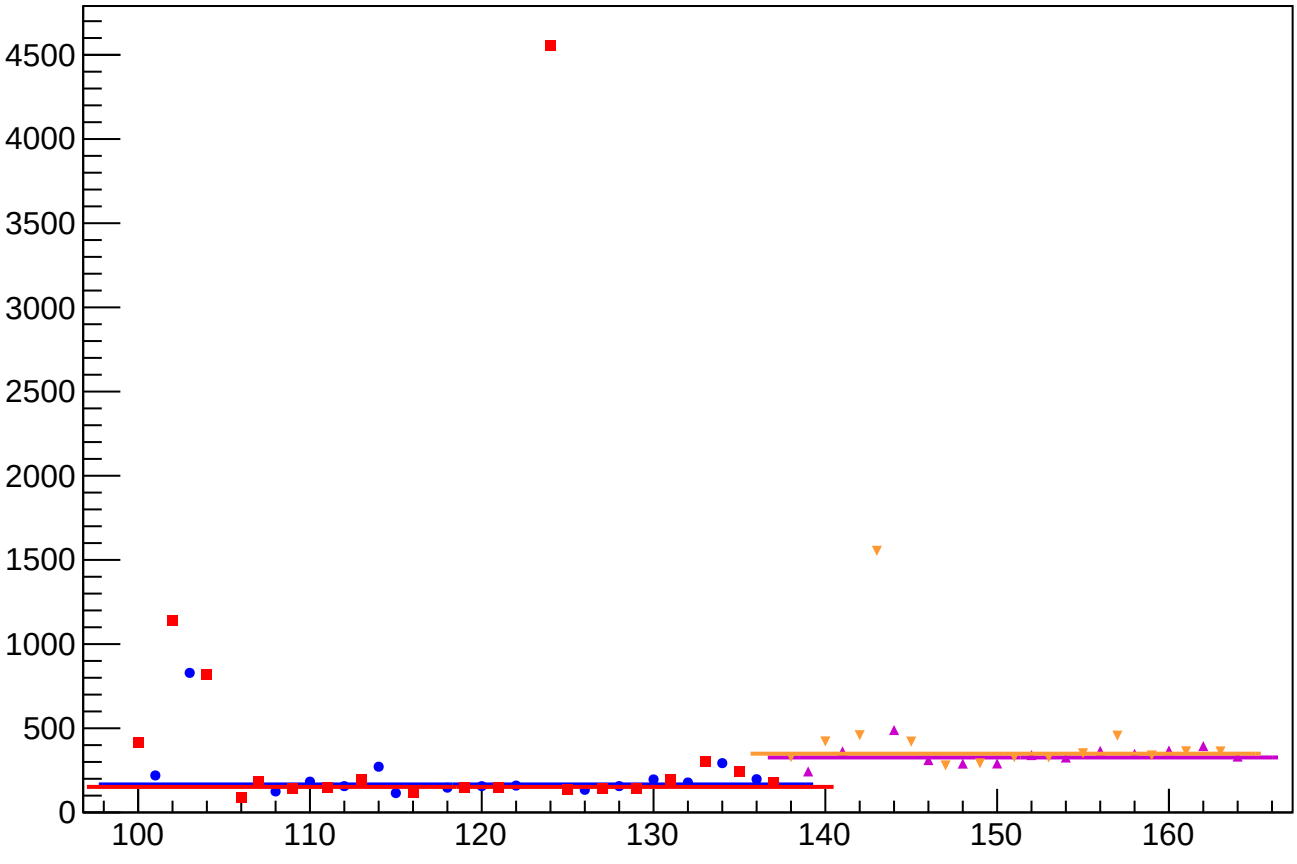
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.049+/-0.057 χ^2/NDF: 36.4/29

All: -0.039+/-0.039 χ^2/NDF: 83.2/61

- 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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

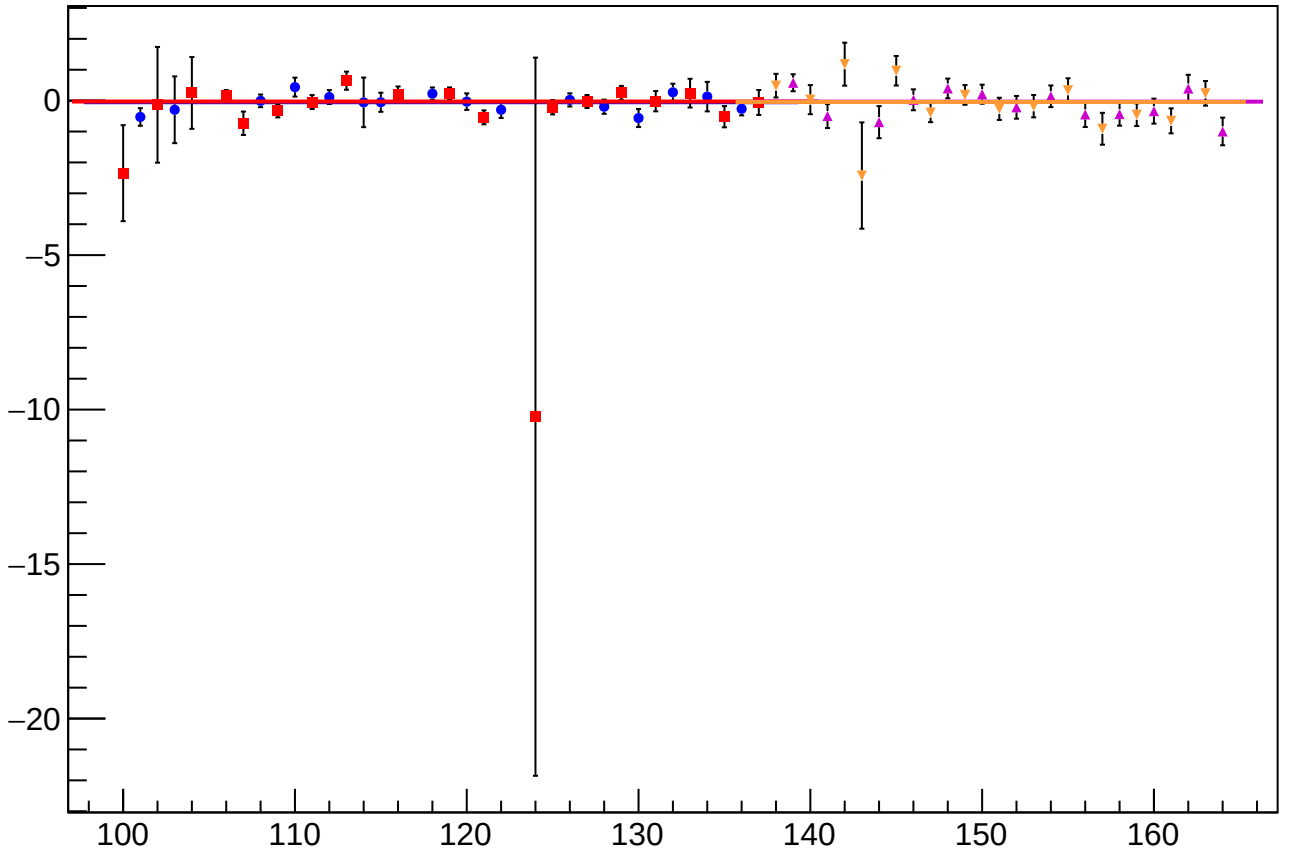
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

+ sign 216.146+/-0.040 χ^2/NDF: 6773228.2/29

All: 208.565+/-0.028 χ^2/NDF: 13964112.0/61

- 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: -0.042+/-0.109 χ^2/NDF:21.5/13

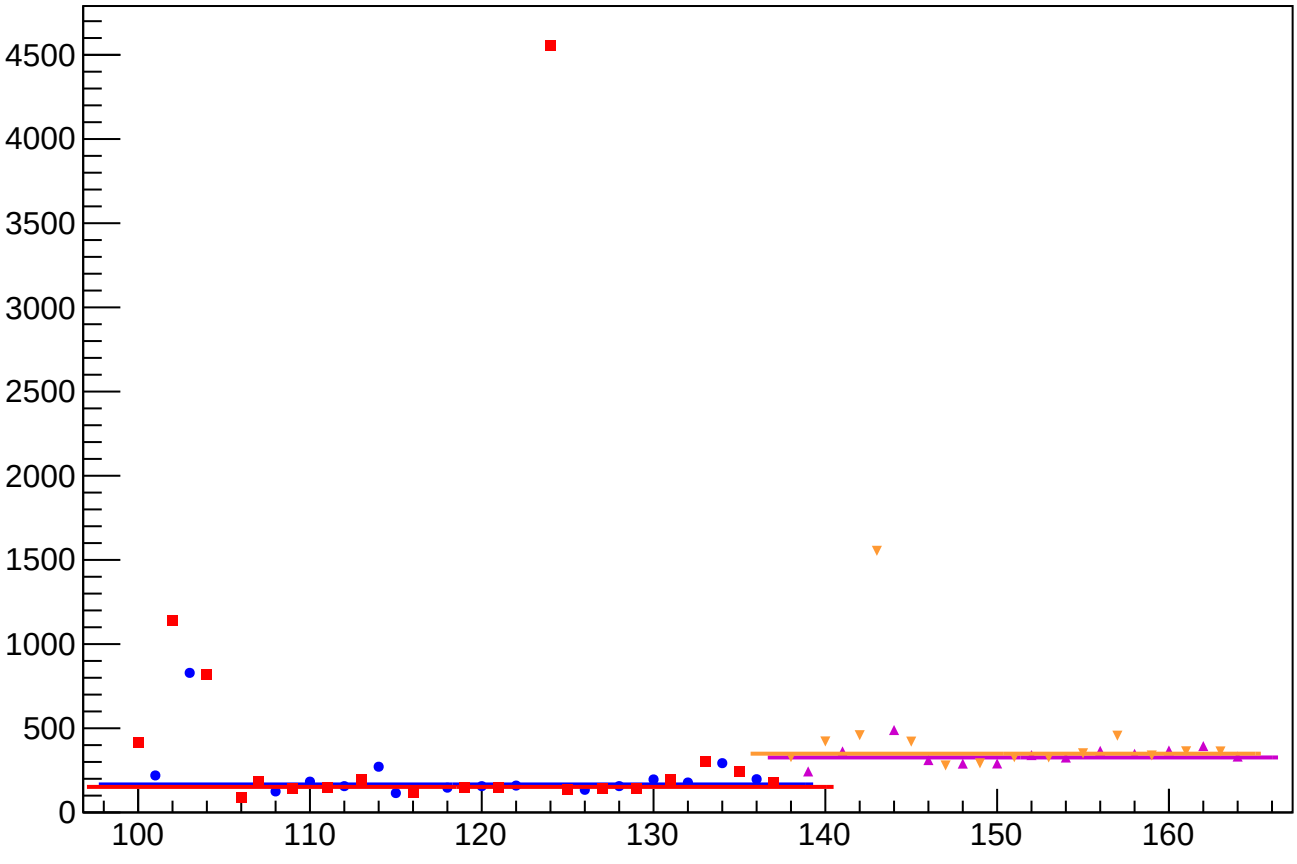
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.049+/-0.057 χ^2/NDF: 36.4/29

All: -0.039+/-0.039 χ^2/NDF: 83.2/61

- 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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

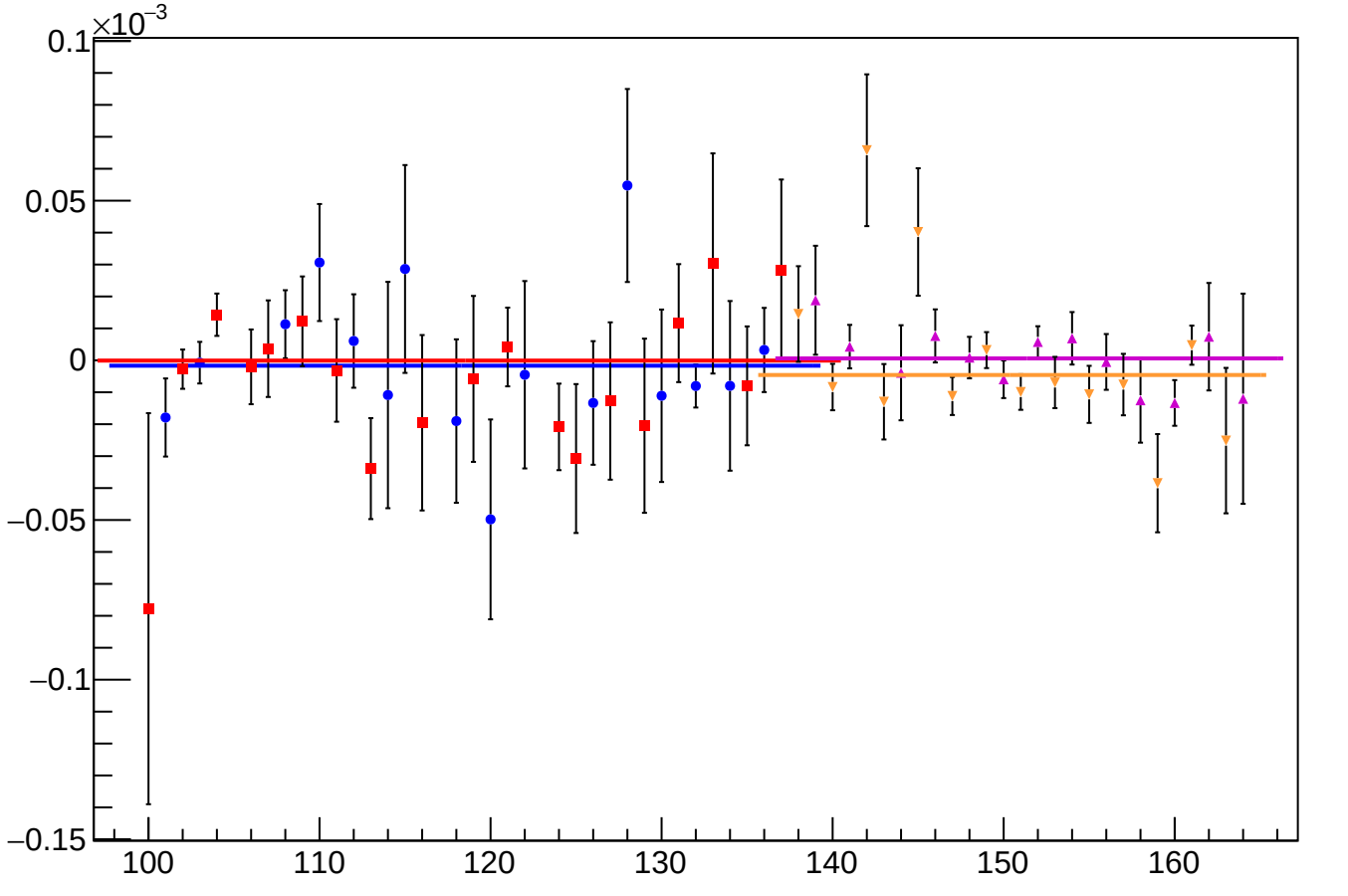
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

+ sign 216.146+/-0.040 χ^2/NDF: 6773228.2/29

All: 208.565+/-0.028 χ^2/NDF: 13964112.0/61

- 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:28.9/13

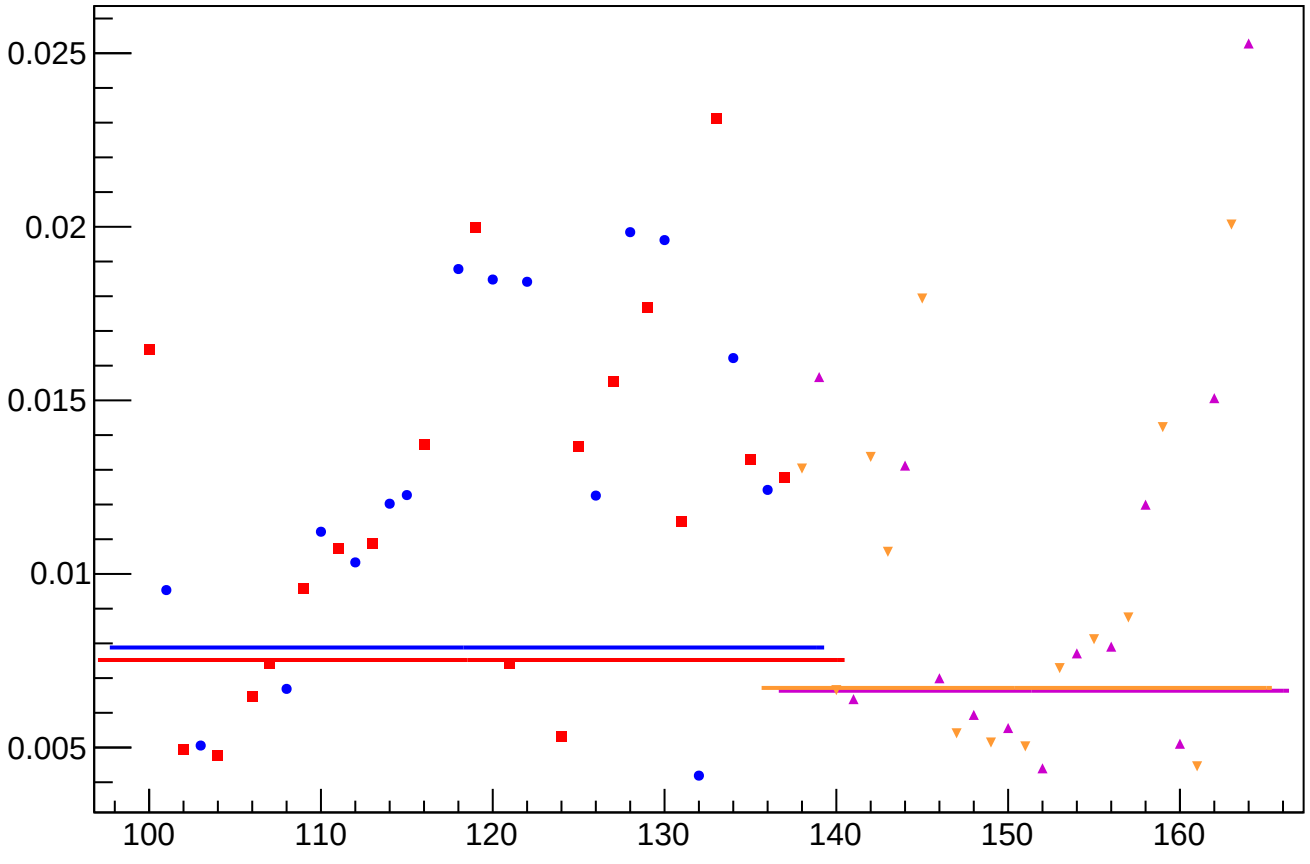
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/29

All: -0.000+/-0.000 χ^2/NDF: 77.5/61

- 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:3385068.1/13

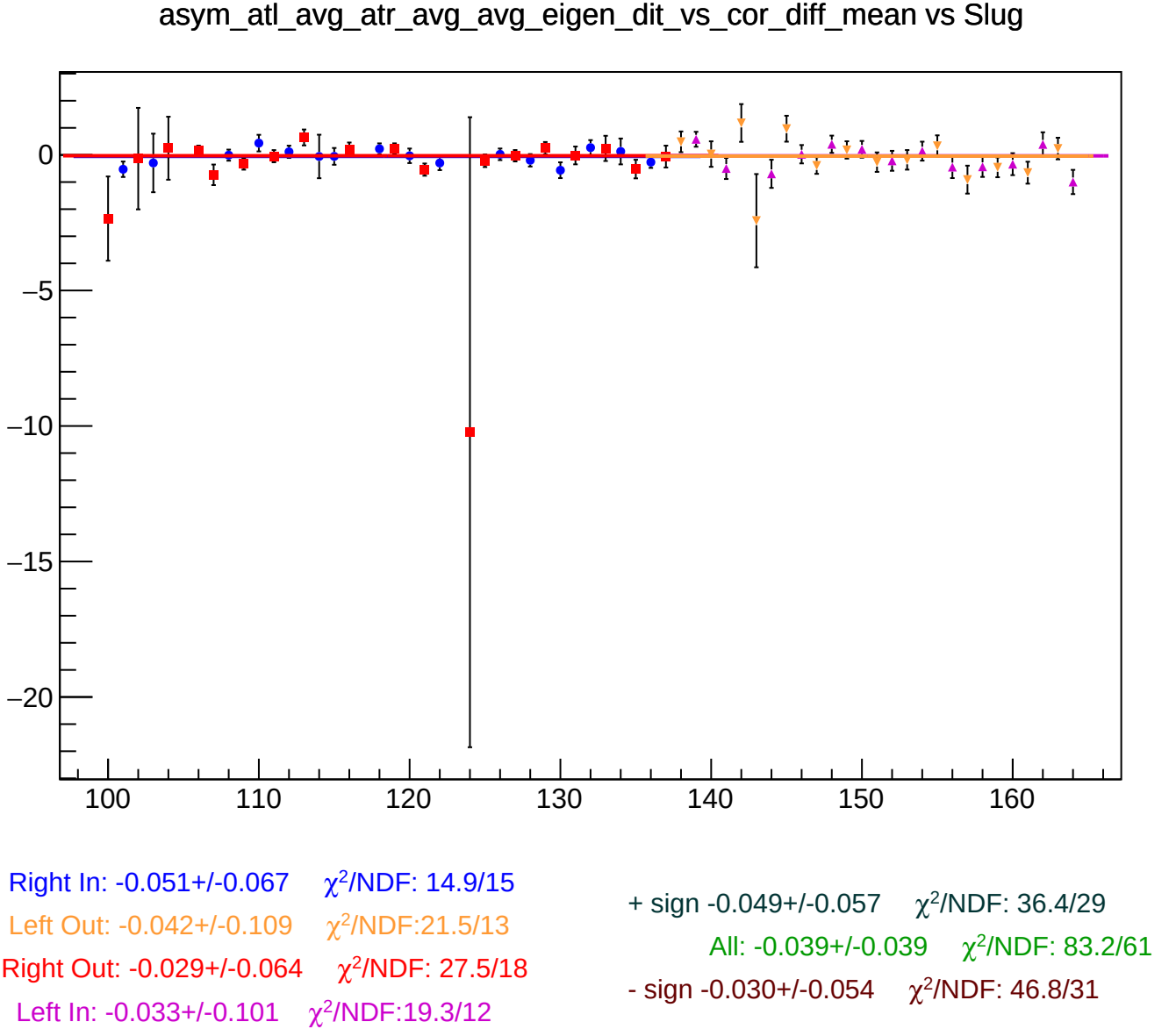
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3088265.4/12

+ sign 0.007+/-0.000 χ^2/NDF: 6850147.2/29

All: 0.007+/-0.000 χ^2/NDF: 13023761.1/61

- sign 0.007+/-0.000 χ^2/NDF: 6168554.5/31


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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−10
−15
−20
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120
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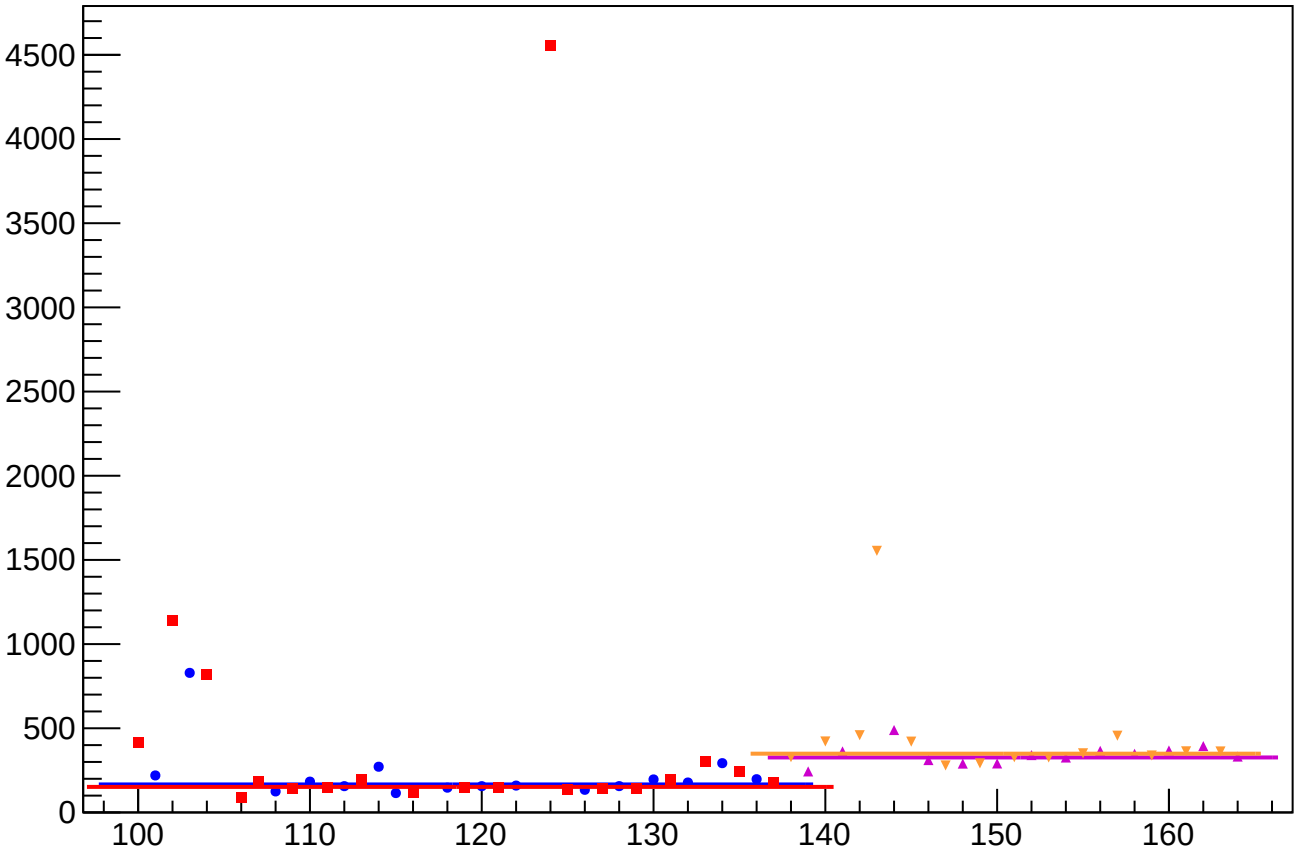
150
160
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.042+/-0.109 χ²/NDF:21.5/13
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: -0.033+/-0.101 χ²/NDF:19.3/12
+ sign -0.049+/-0.057 χ²/NDF: 36.4/29
All: -0.039+/-0.039 χ²/NDF: 83.2/61
- sign -0.030+/-0.054 χ²/NDF: 46.8/31



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 349.122+/-0.077 χ^2/NDF:1403623.4/13

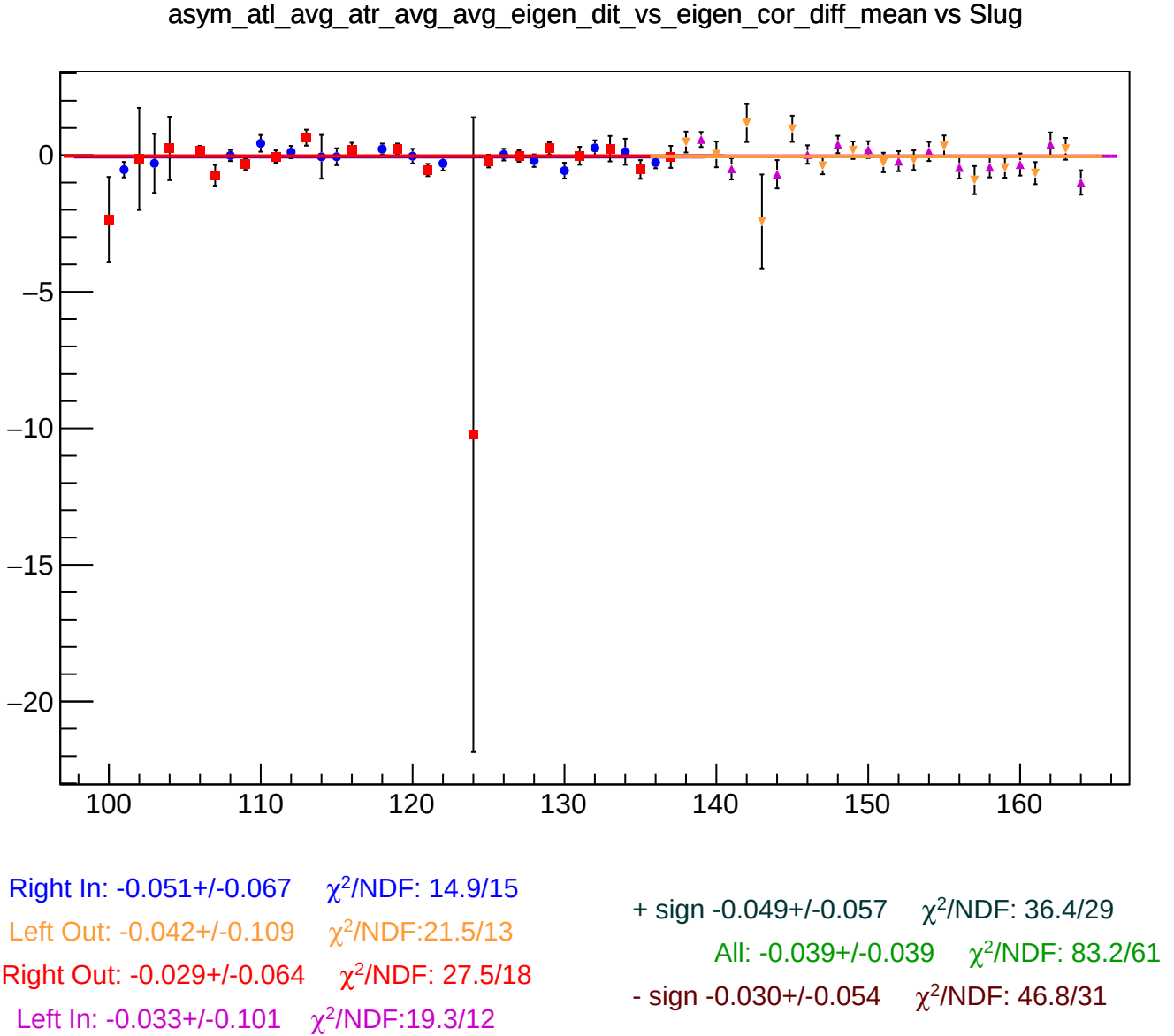
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

+ sign 216.145+/-0.040 χ^2/NDF: 6773407.4/29

All: 208.565+/-0.028 χ^2/NDF: 13964529.8/61

- 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
0
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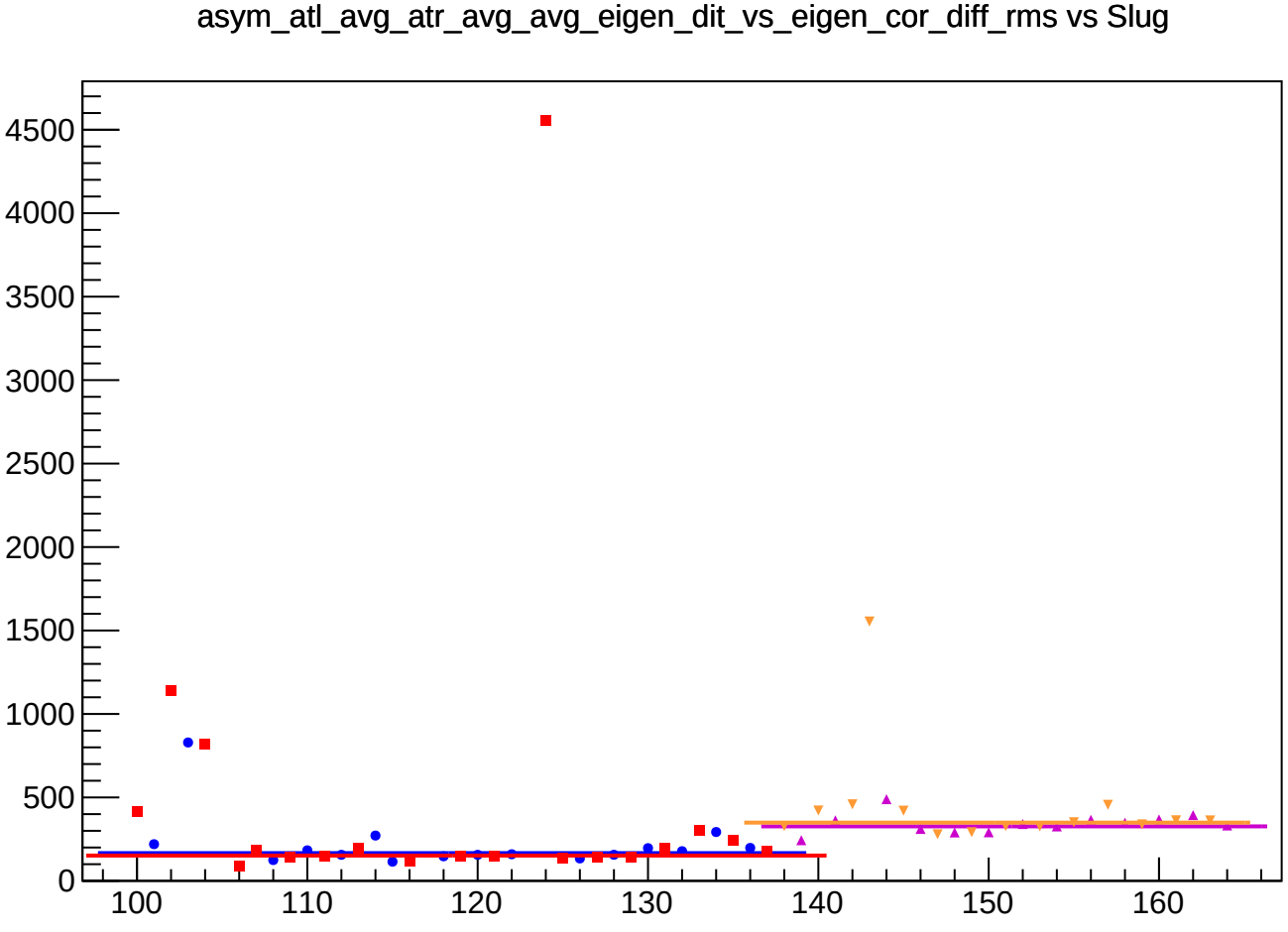
−10
−15
−20
100
110
120
130
140
150
160
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.042+/-0.109 χ²/NDF:21.5/13
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: -0.033+/-0.101 χ²/NDF:19.3/12
+ sign -0.049+/-0.057 χ²/NDF: 36.4/29
All: -0.039+/-0.039 χ²/NDF: 83.2/61
- sign -0.030+/-0.054 χ²/NDF: 46.8/31



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 349.122+/-0.077 χ^2/NDF:1403623.4/13

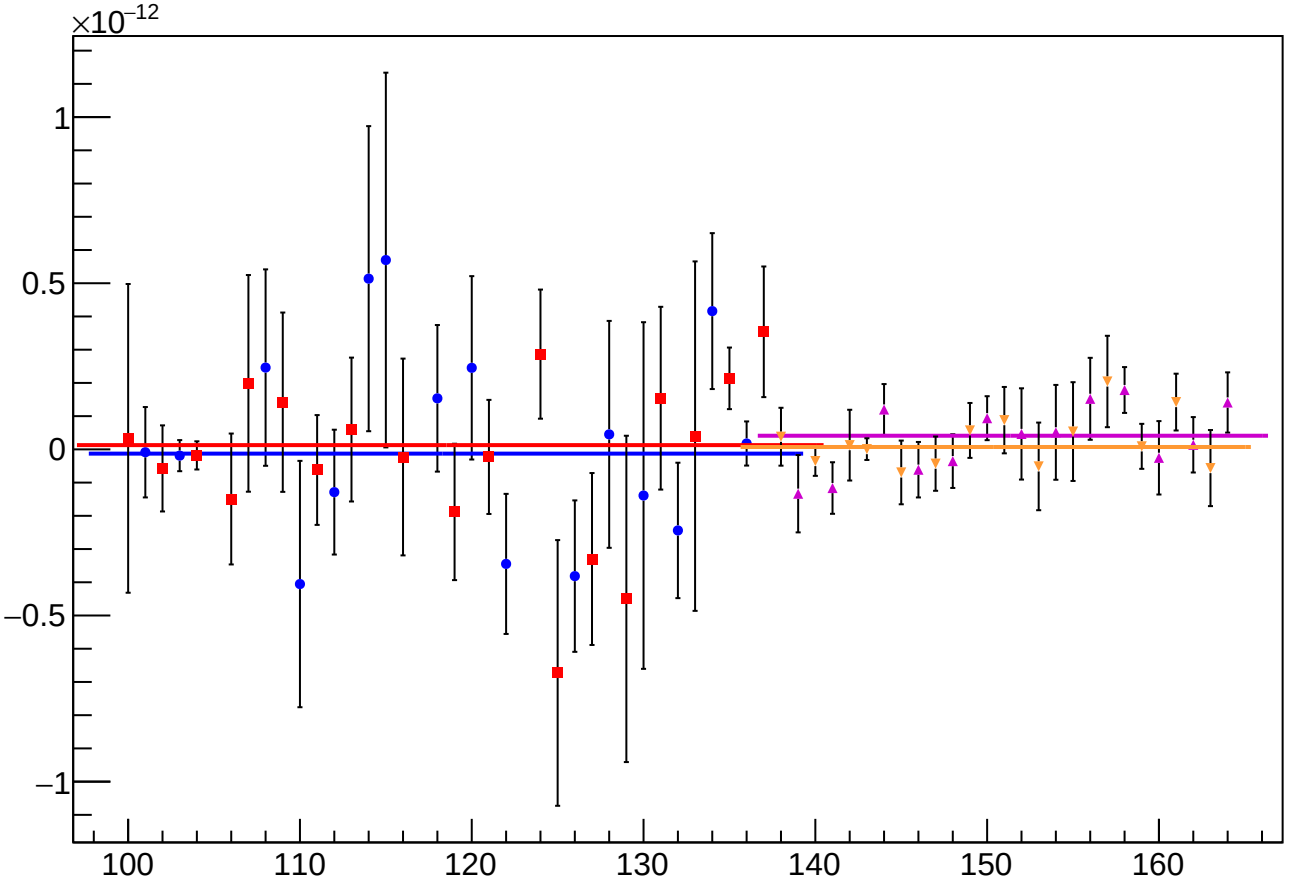
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

+ sign 216.145+/-0.040 χ^2/NDF: 6773407.4/29

All: 208.565+/-0.028 χ^2/NDF: 13964529.8/61

- 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:8.3/13

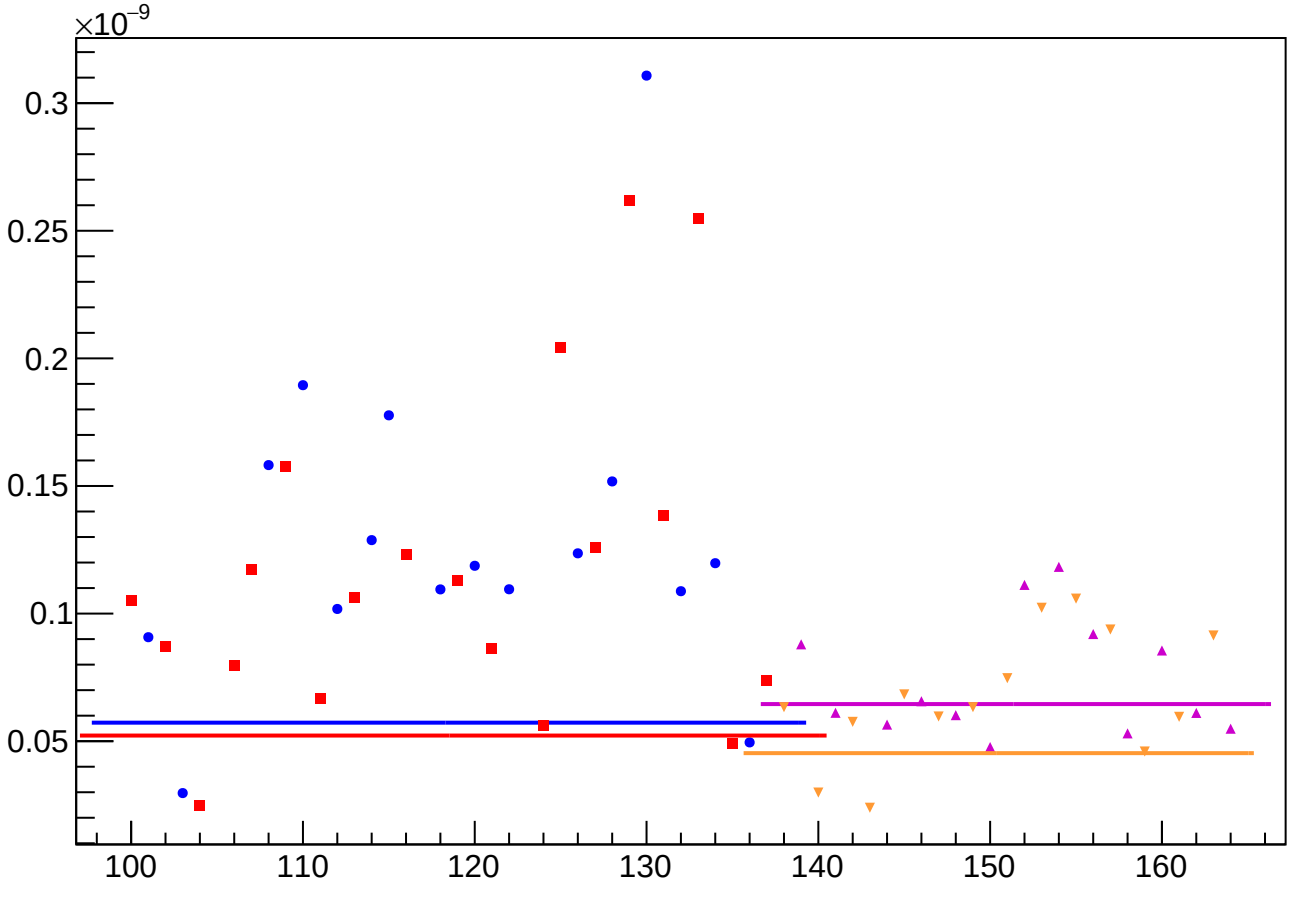
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/29

All: 0.000+/-0.000 χ^2/NDF: 62.2/61

- 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:2990652.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

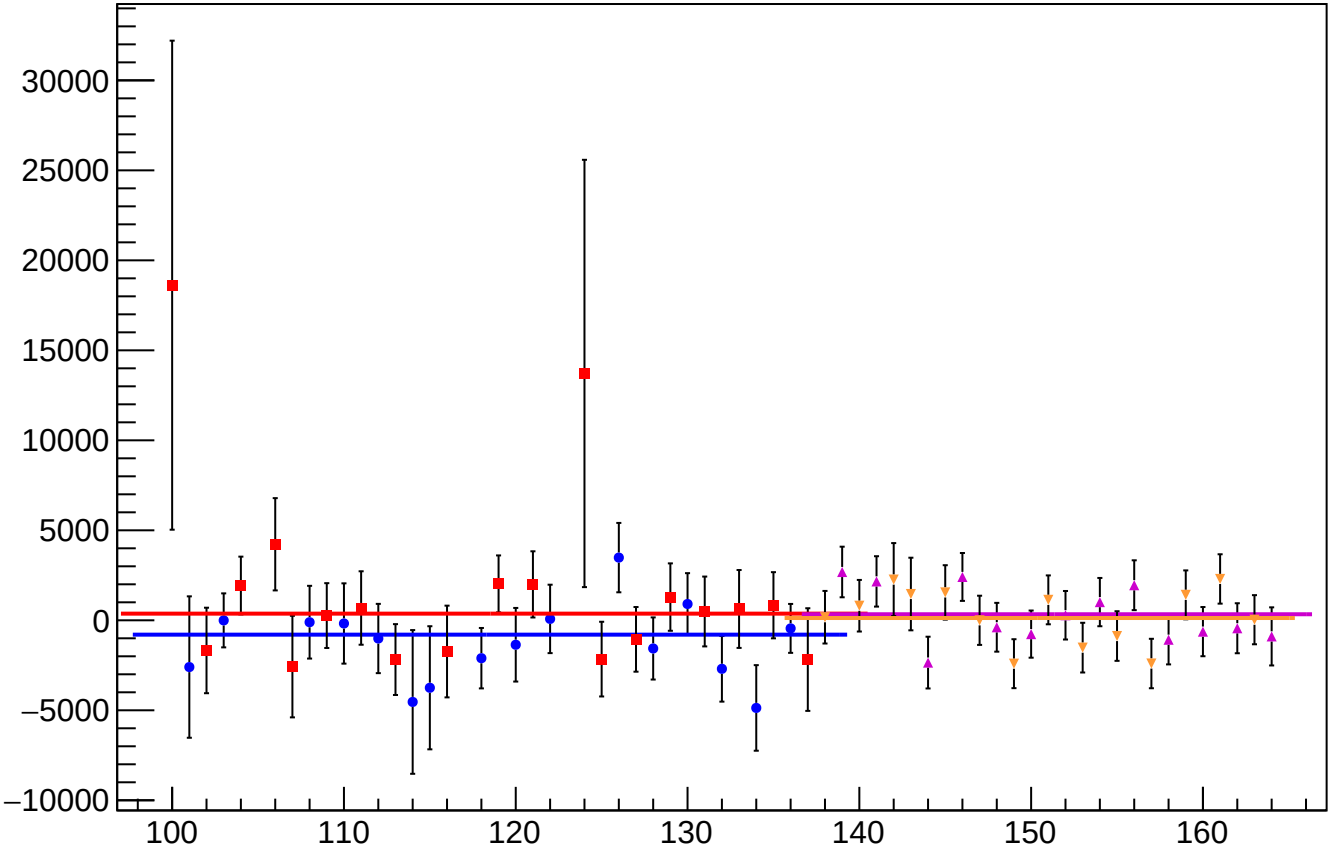
Left In: 0.000+/-0.000 χ^2/NDF:1010235.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 6170915.7/29

All: 0.000+/-0.000 χ^2/NDF: 11074088.2/61

- 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: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

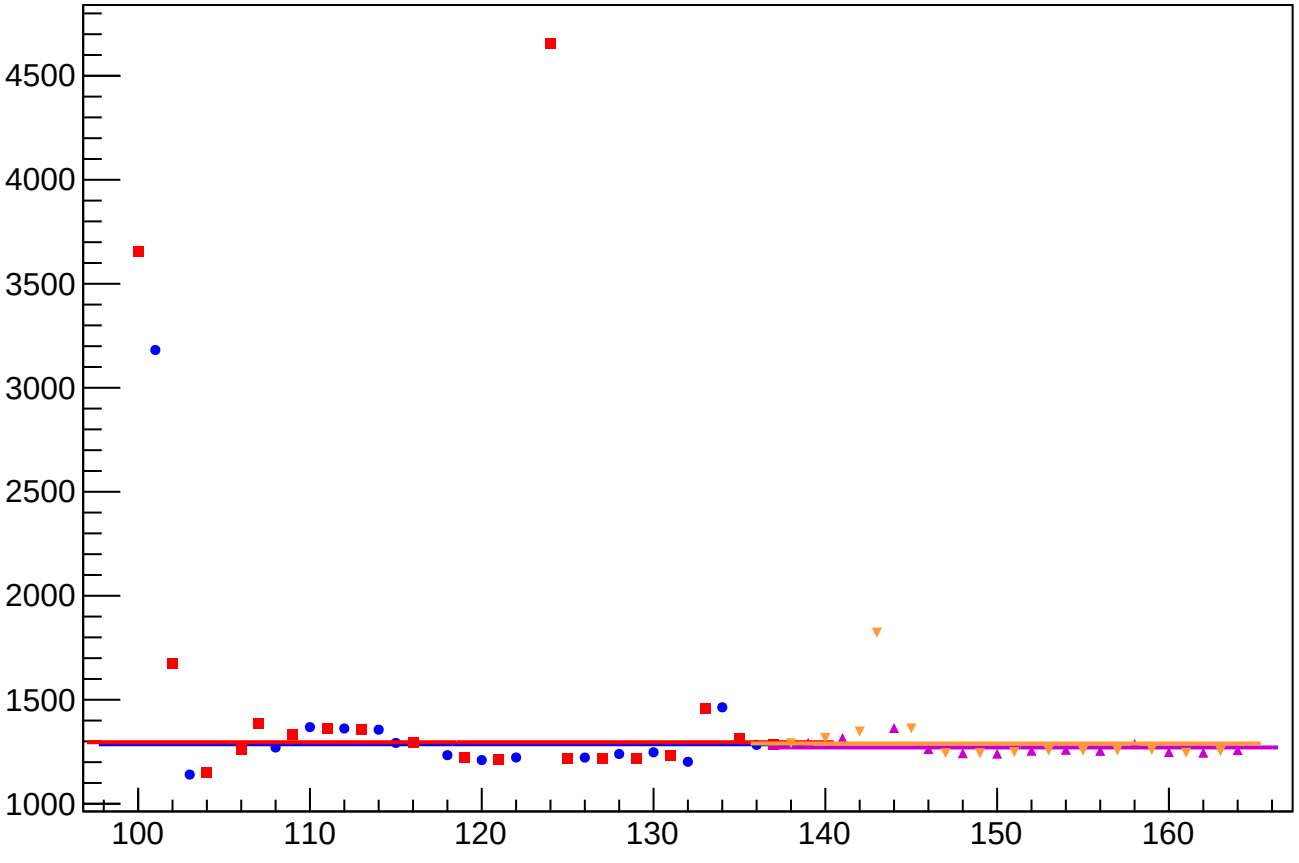
Left In: 335.968+/-383.793 χ^2/NDF:15.5/12

+ sign -230.021+/-302.895 χ^2/NDF: 31.1/29

All: 61.180+/-213.562 χ^2/NDF: 64.0/61

- 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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

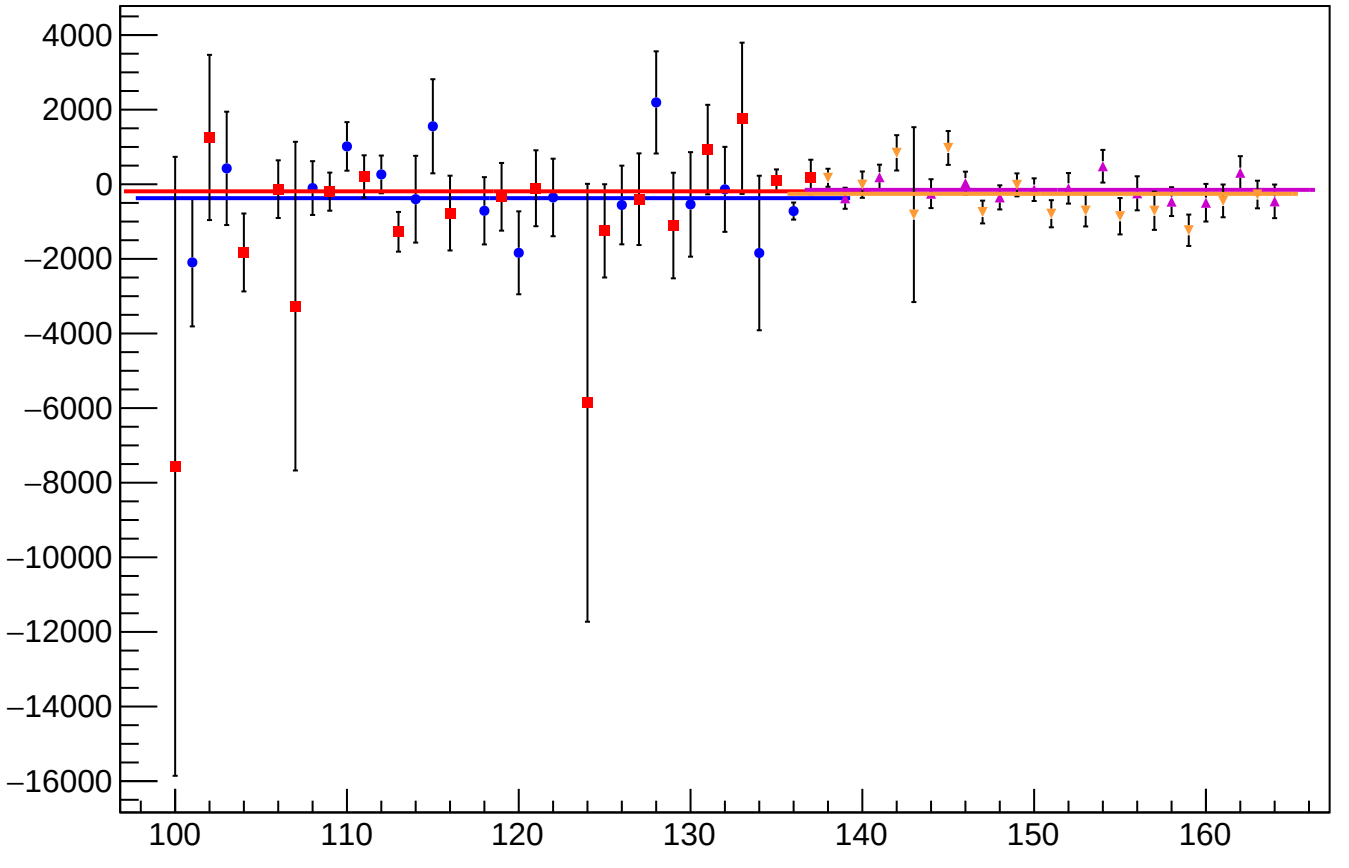
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679485.7/29

All: 1284.447+/-0.151 χ^2/NDF: 1026898.2/61

- 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: -256.427+/-102.449 χ^2/NDF:30.8/13

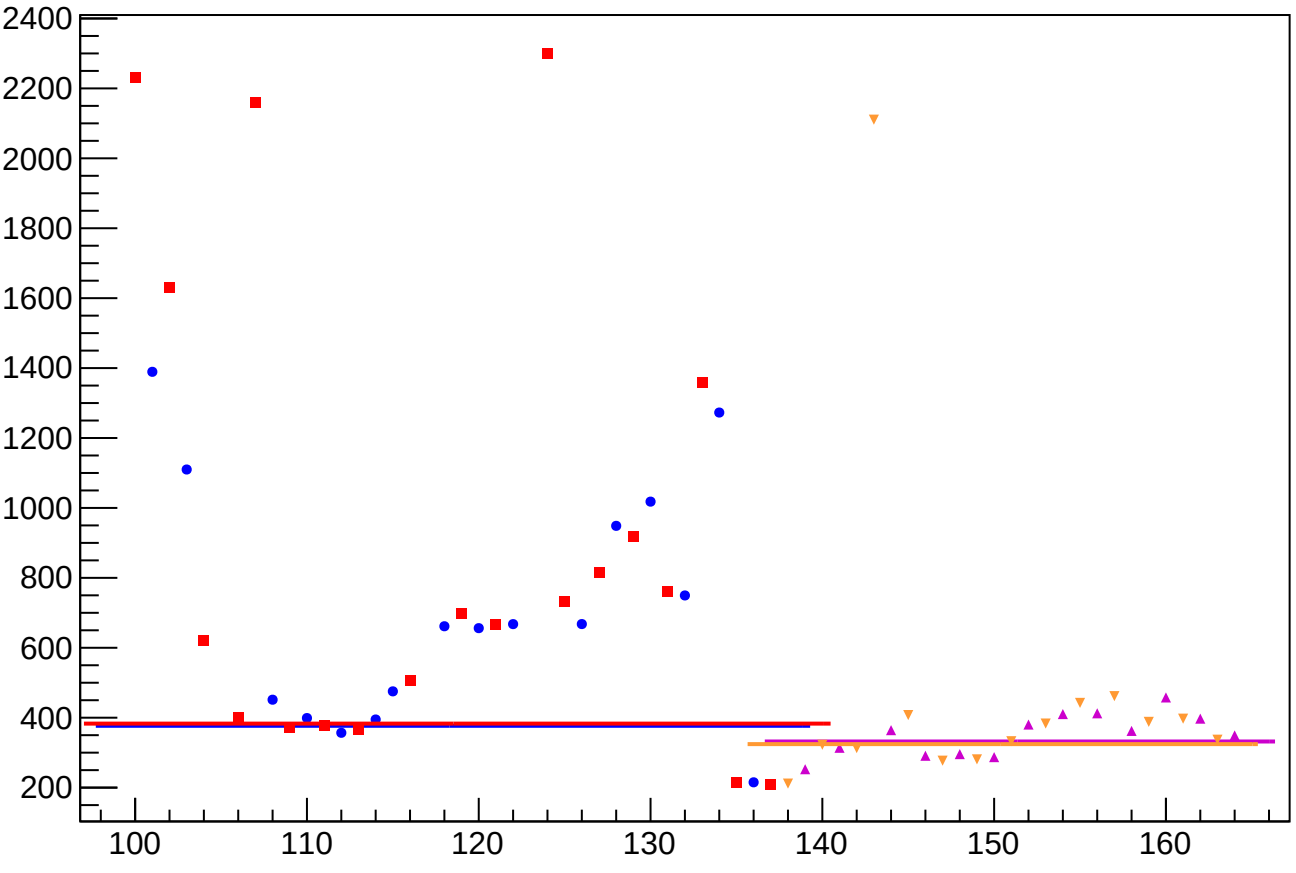
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -149.808+/-102.223 χ^2/NDF:7.3/12

+ sign -287.788+/-87.497 χ^2/NDF: 49.3/29

All: -224.050+/-61.887 χ^2/NDF: 72.3/61

- 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: 324.425+/-0.072 χ^2/NDF:2158928.8/13

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

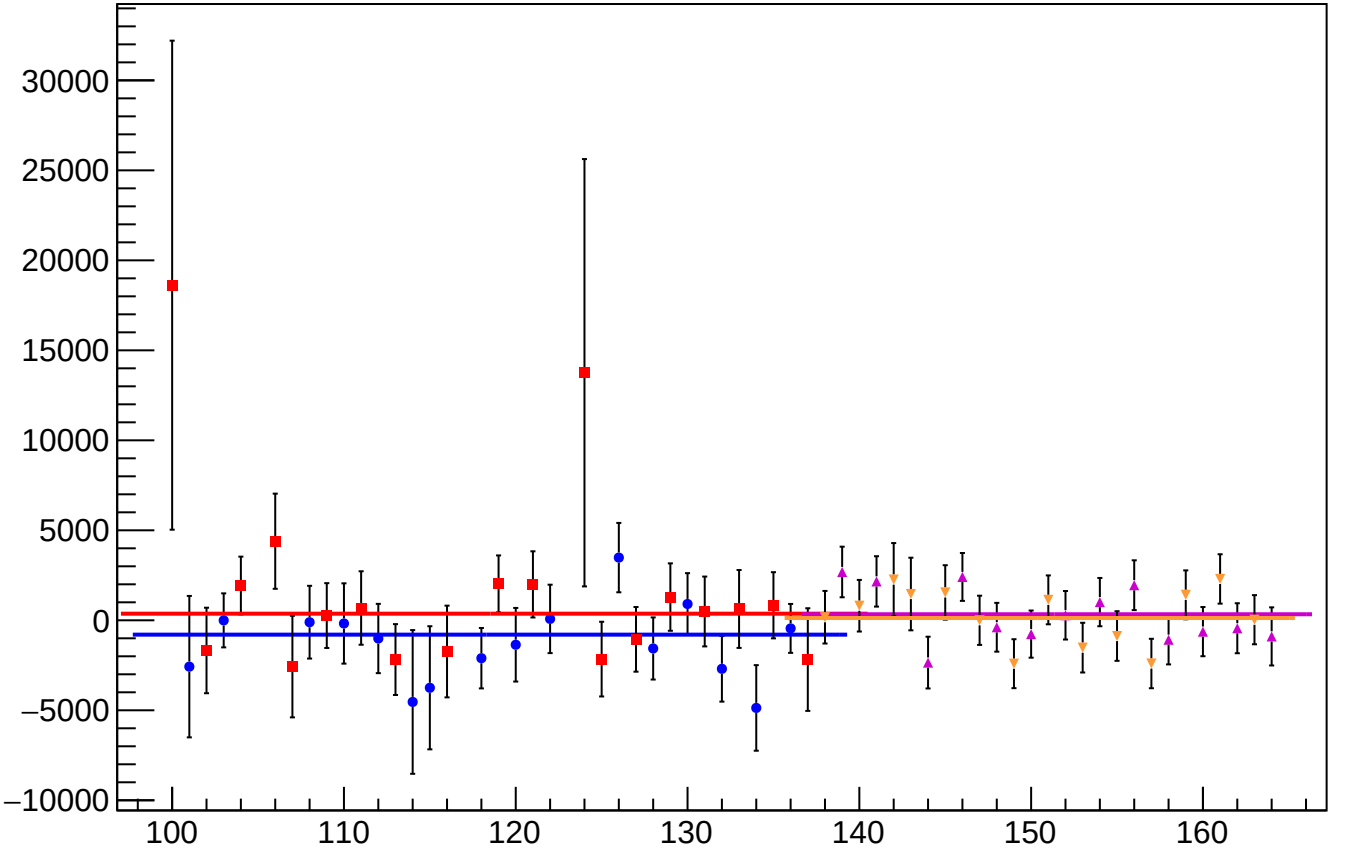
Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

+ sign 338.622+/-0.062 χ^2/NDF: 6491064.1/29

All: 342.096+/-0.044 χ^2/NDF: 11303986.4/61

- 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: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

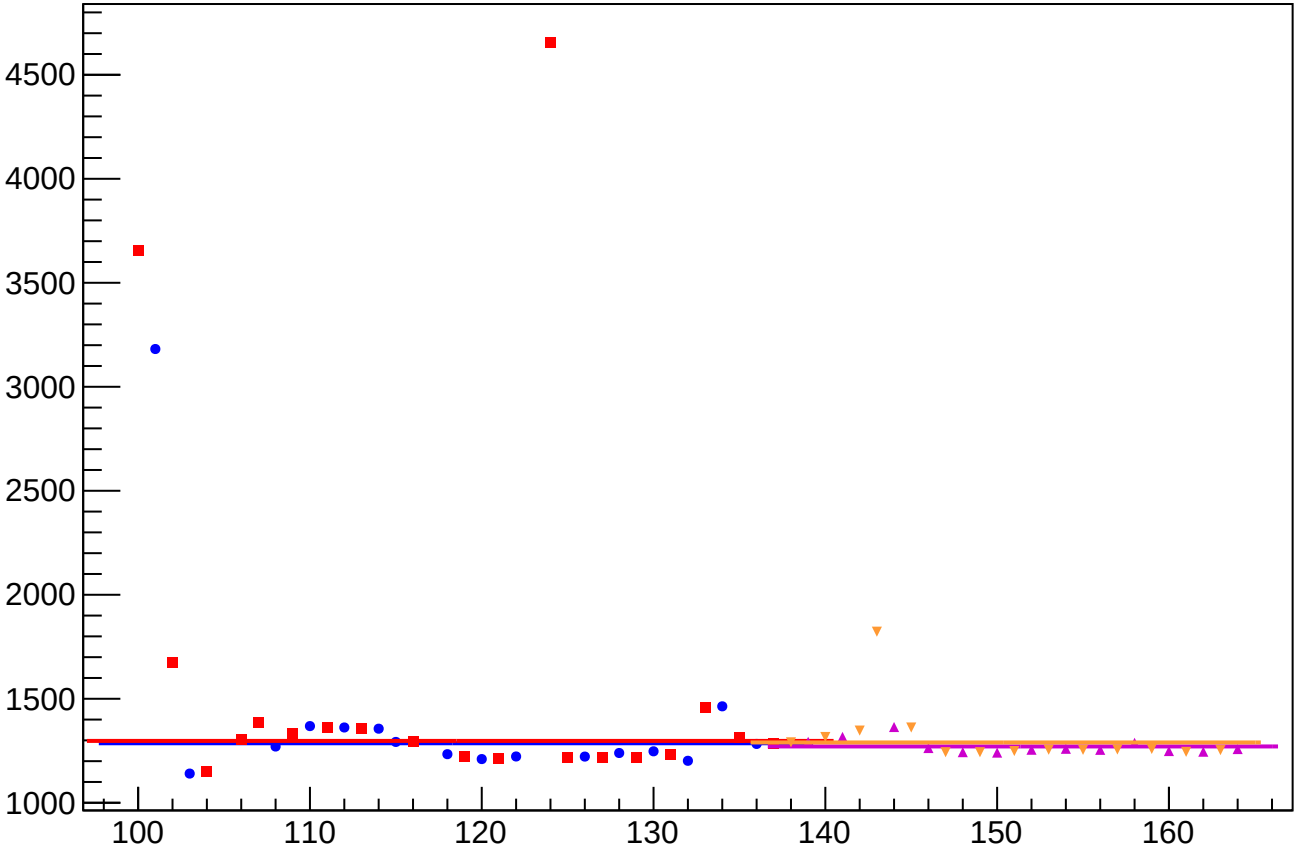
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 60.644+/-213.607 χ^2/NDF: 64.0/61

- 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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

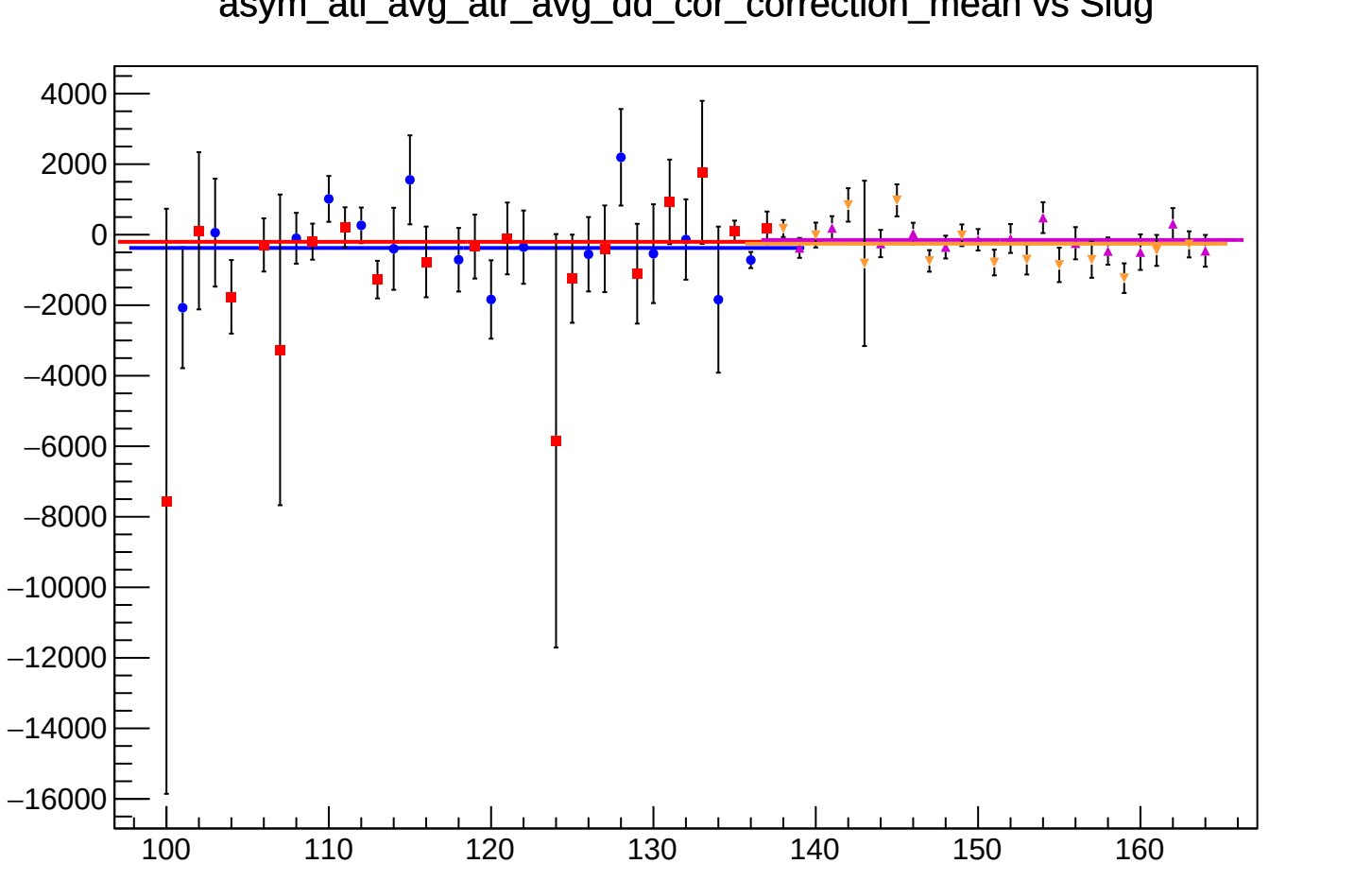
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

- 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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

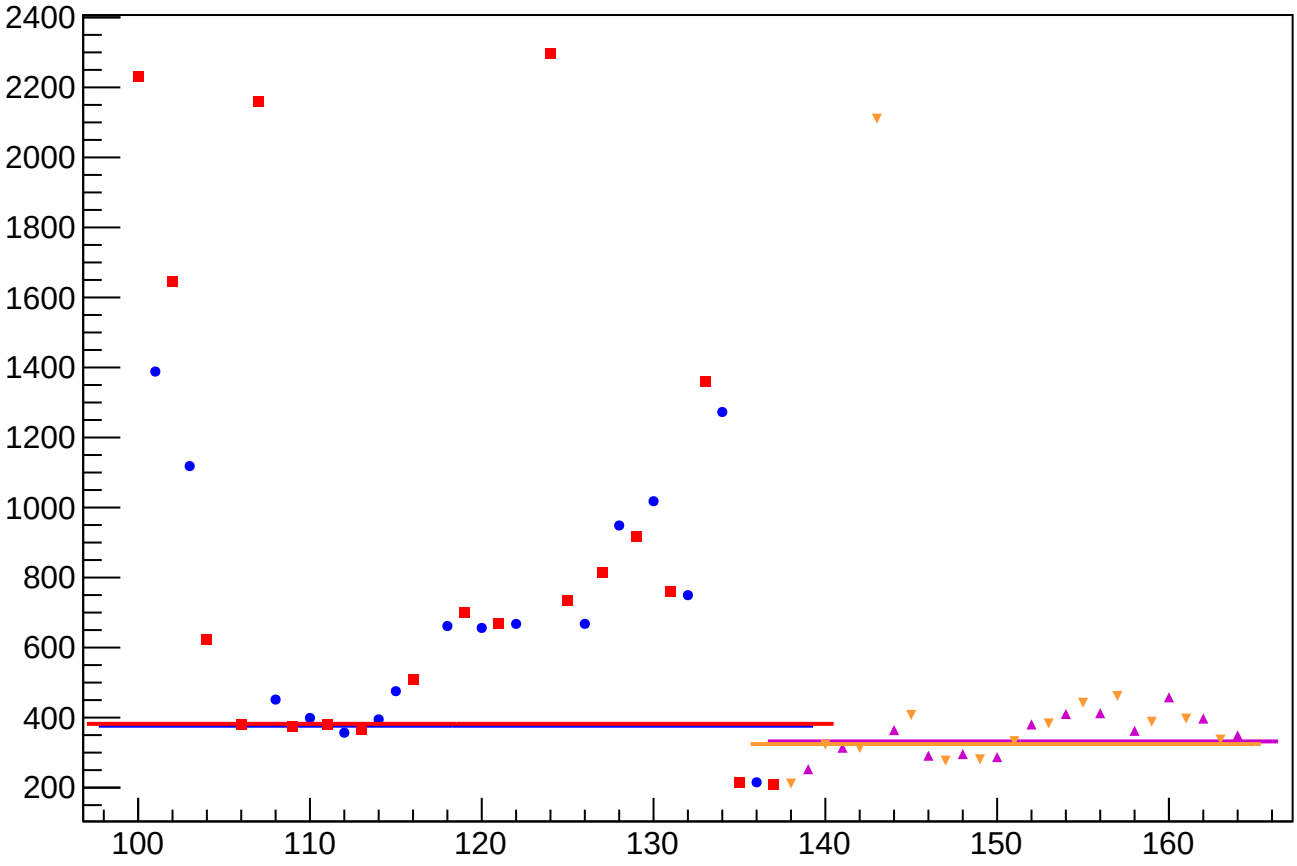
Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -226.398+/-61.879 χ^2/NDF: 71.5/61

- sign -163.785+/-87.519 χ^2/NDF: 21.4/31

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 324.434+/-0.072 χ^2/NDF:2158816.7/13

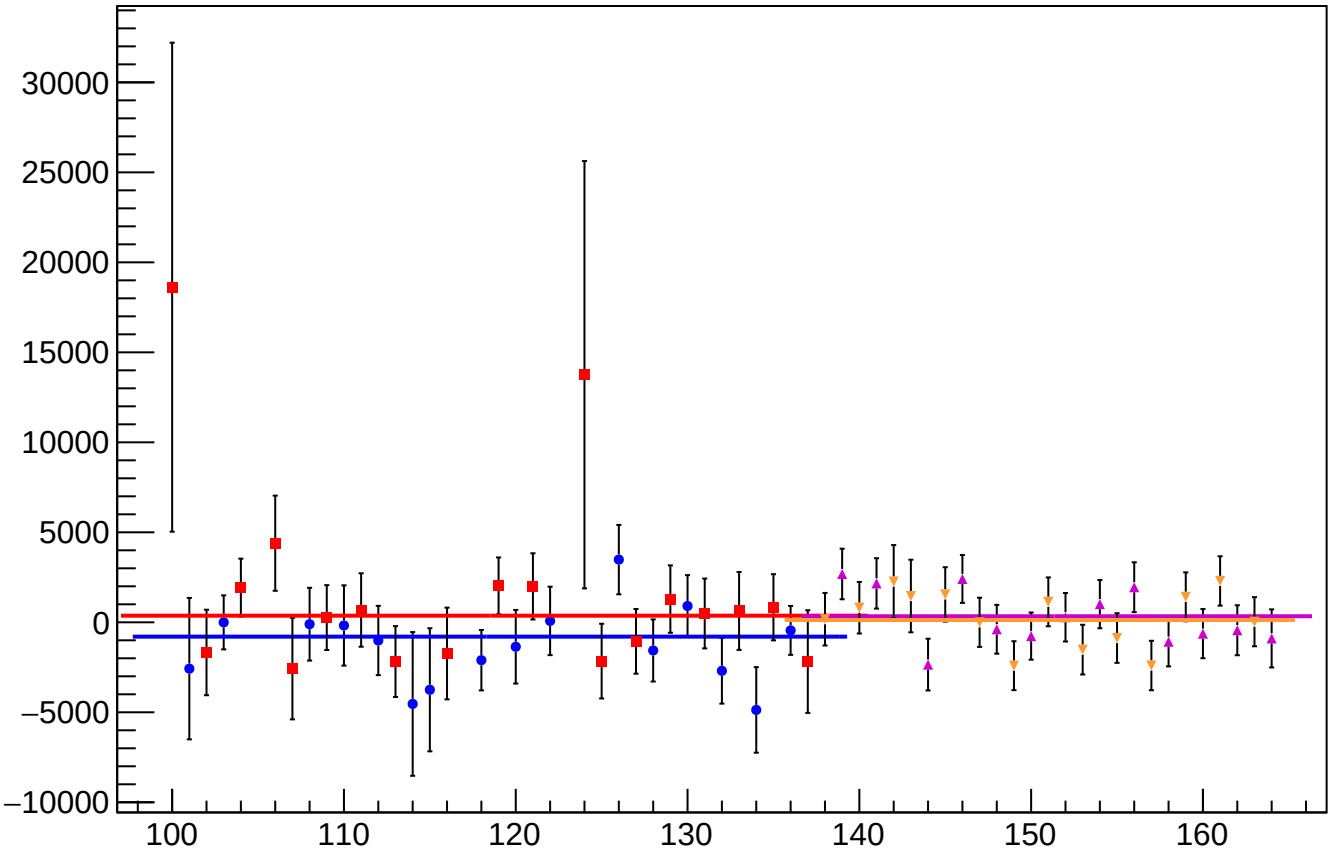
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61

- 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: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

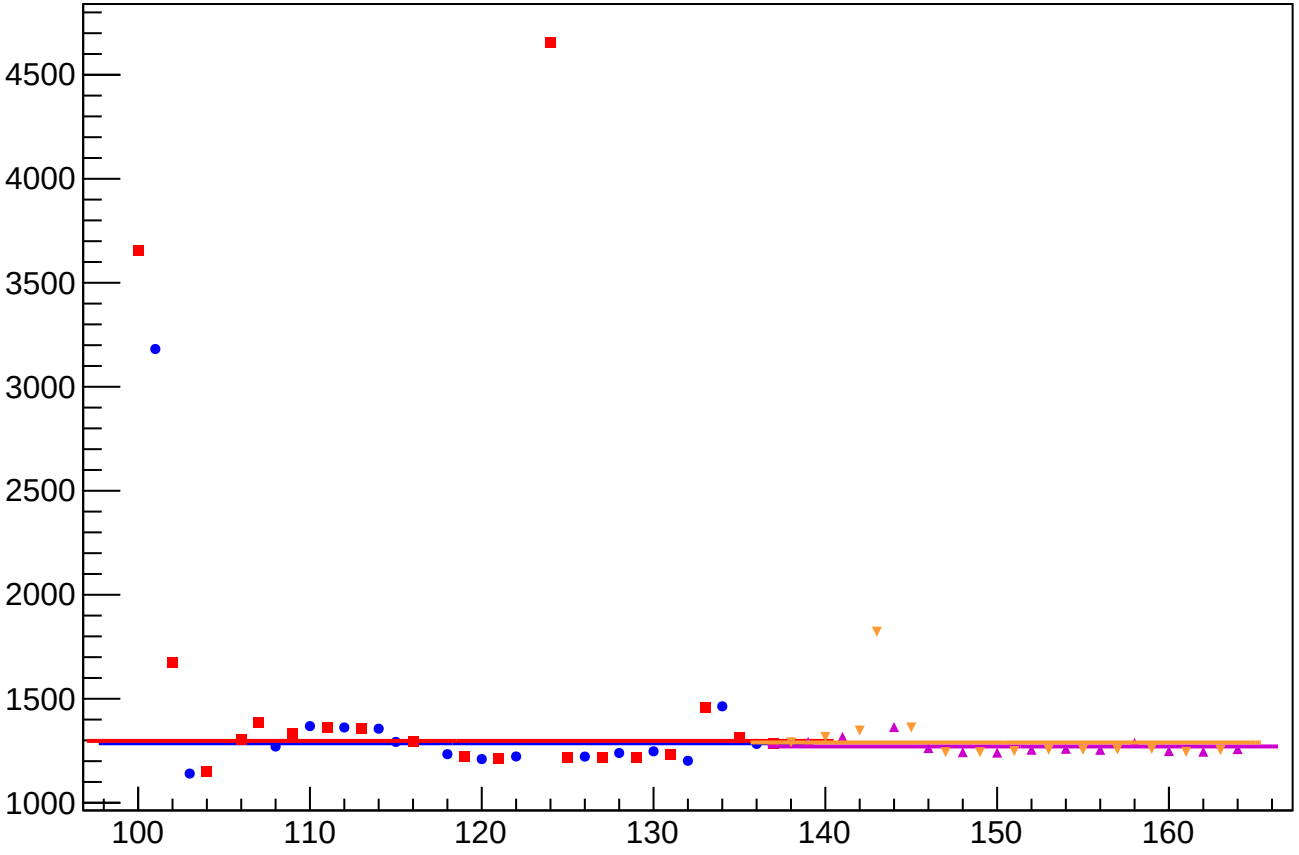
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 60.644+/-213.607 χ^2/NDF: 64.0/61

- 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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

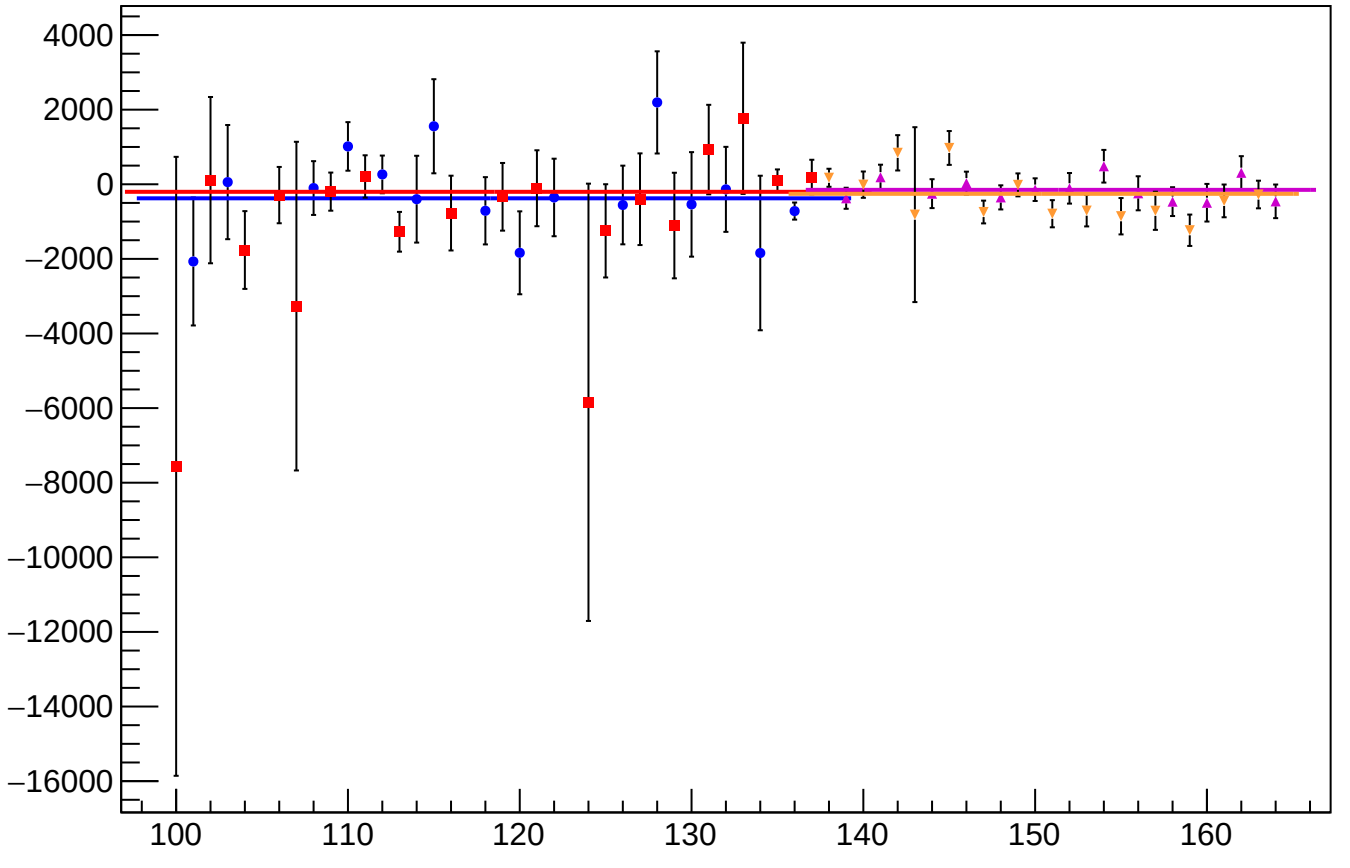
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

- 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: -256.426+/-102.451 χ^2/NDF:30.8/13

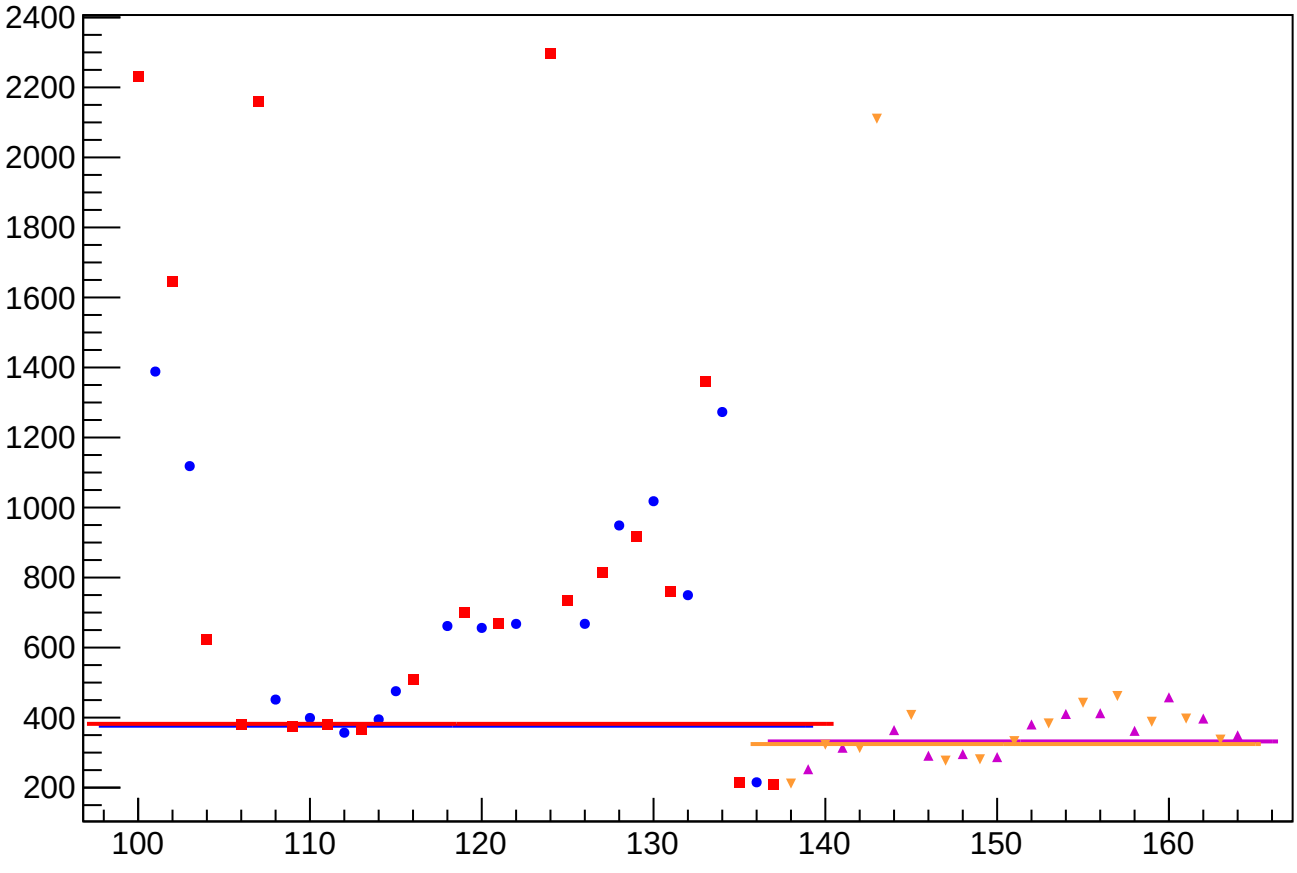
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -226.398+/-61.879 χ^2/NDF: 71.5/61

- 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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

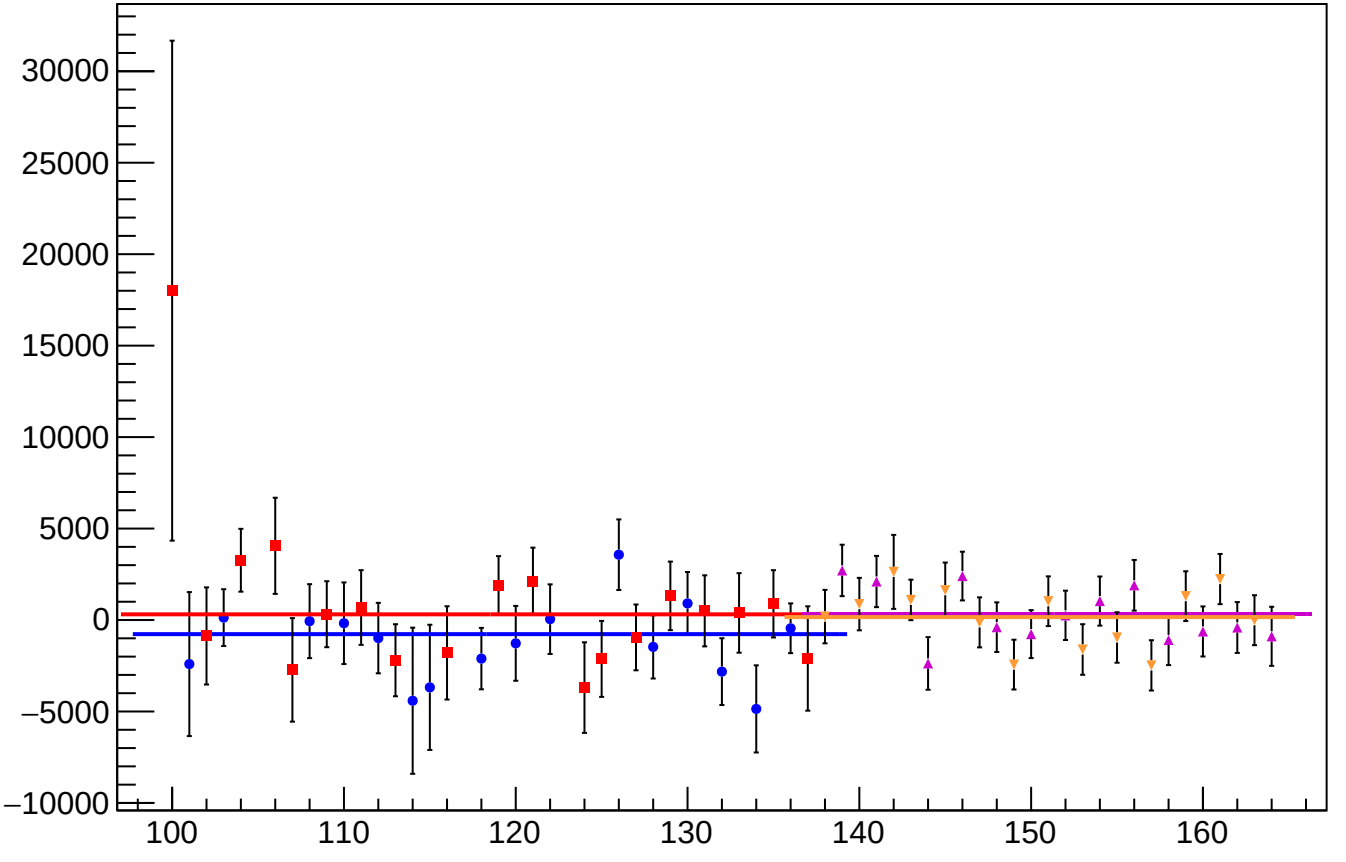
Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61

- 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: 161.019+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

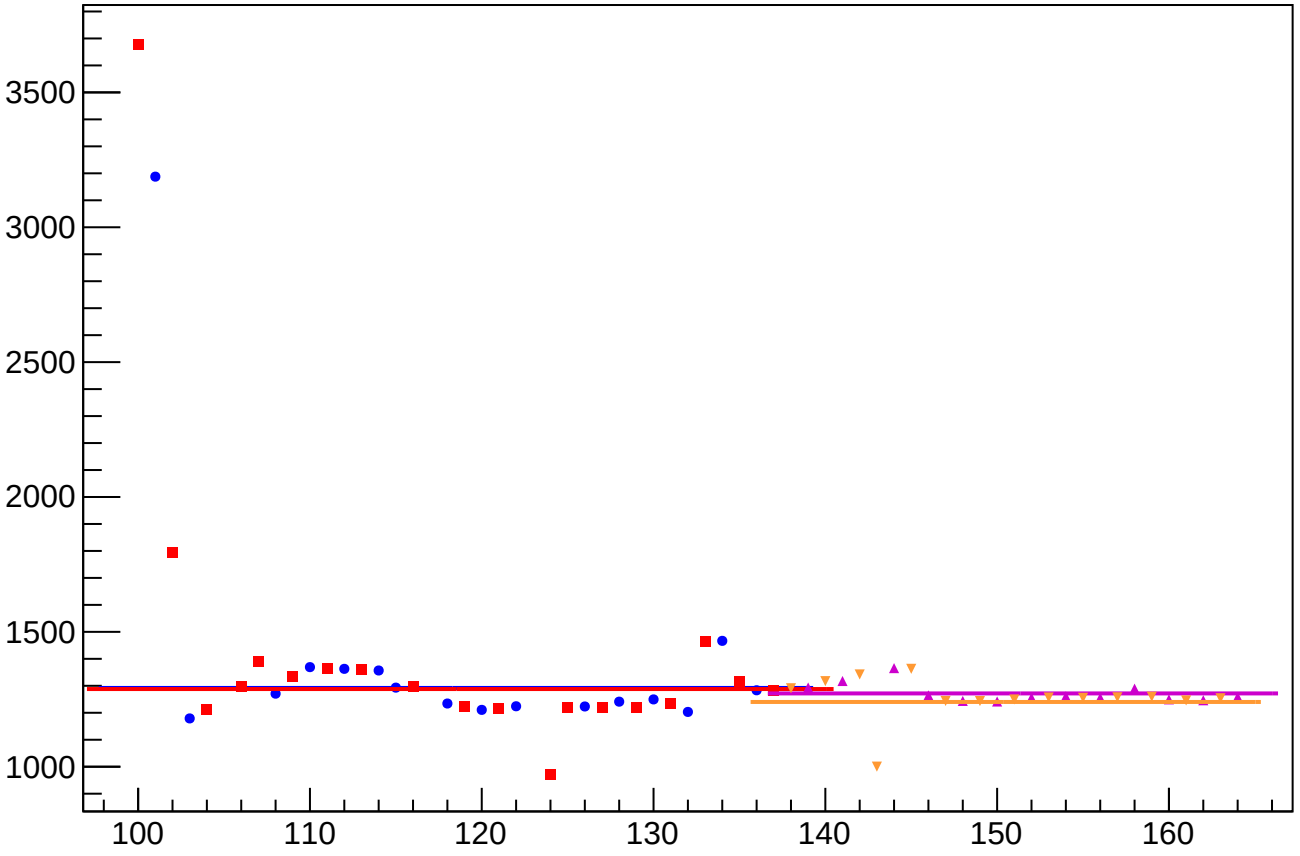
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -179.481+/-295.851 χ^2/NDF: 32.4/29

All: 67.498+/-210.836 χ^2/NDF: 67.1/61

- 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: 1240.090+/-0.263 χ^2/NDF:121918.0/13

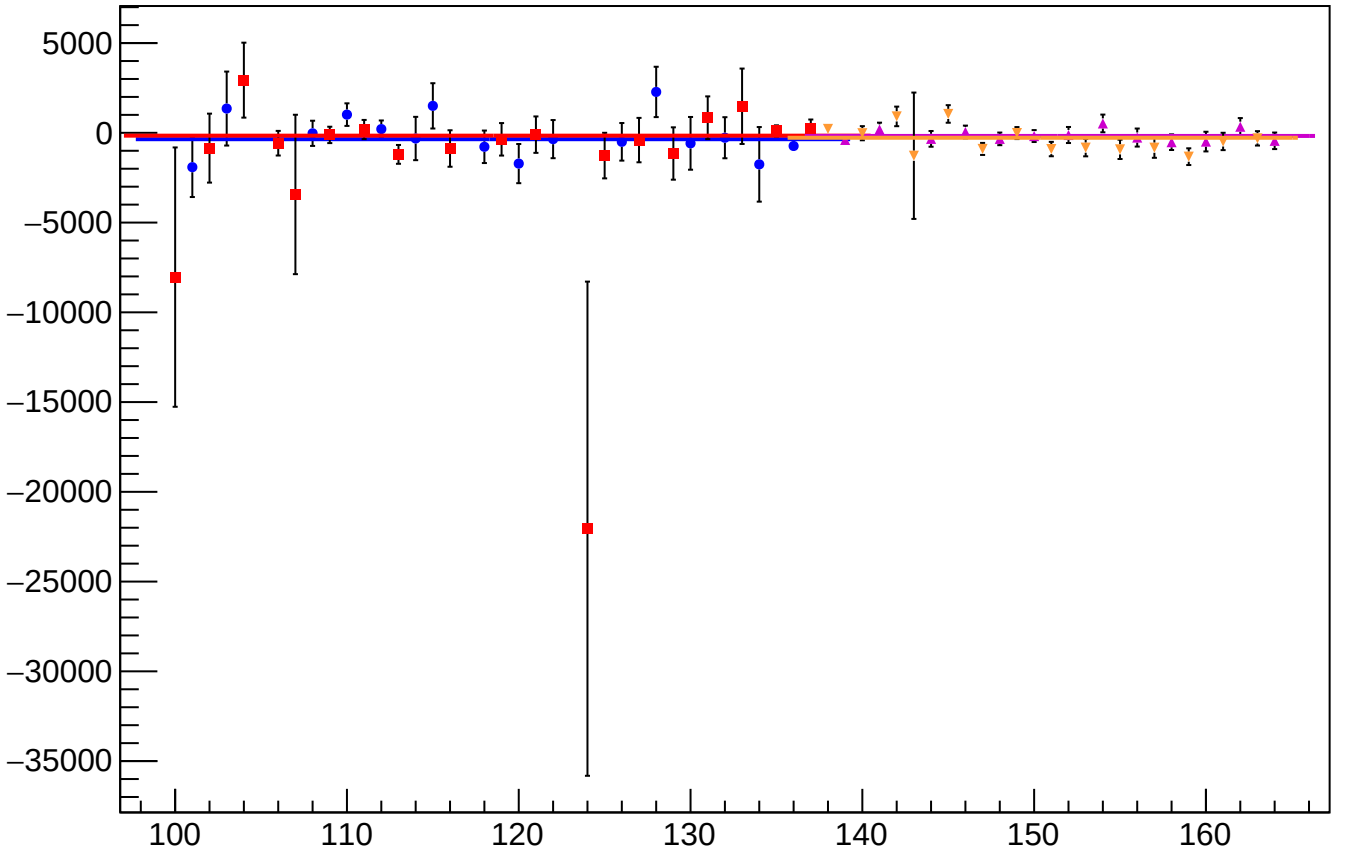
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

+ sign 1259.058+/-0.209 χ^2/NDF: 645618.5/29

All: 1268.402+/-0.149 χ^2/NDF: 875676.6/61

- 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: -275.158+/-111.113 χ^2/NDF:32.2/13

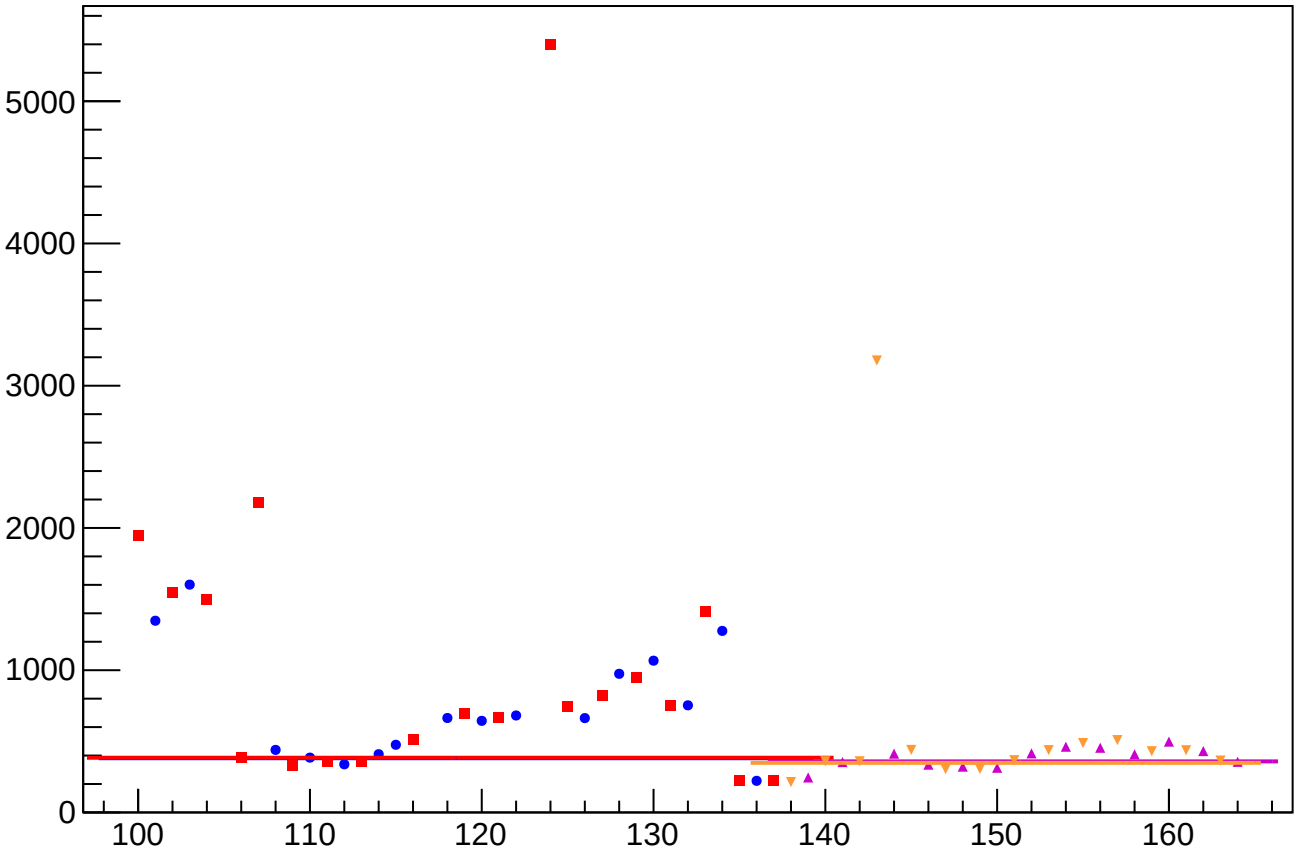
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.097 χ^2/NDF:6.8/12

+ sign -299.130+/-93.004 χ^2/NDF: 50.8/29

All: -233.970+/-65.742 χ^2/NDF: 74.4/61

- 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: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

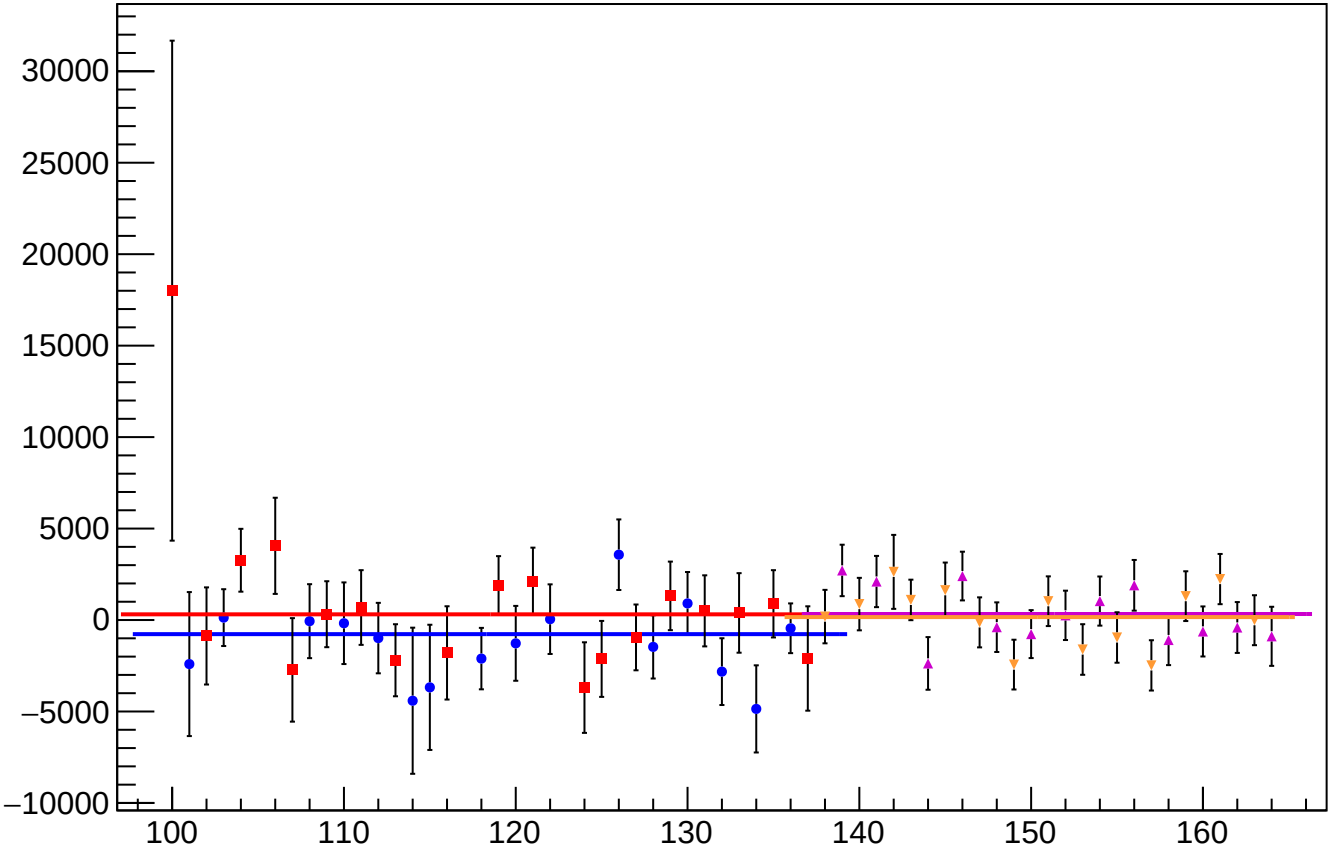
Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

+ sign 358.561+/-0.066 χ^2/NDF: 6915519.5/29

All: 362.637+/-0.046 χ^2/NDF: 12339086.5/61

- 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: 161.021+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

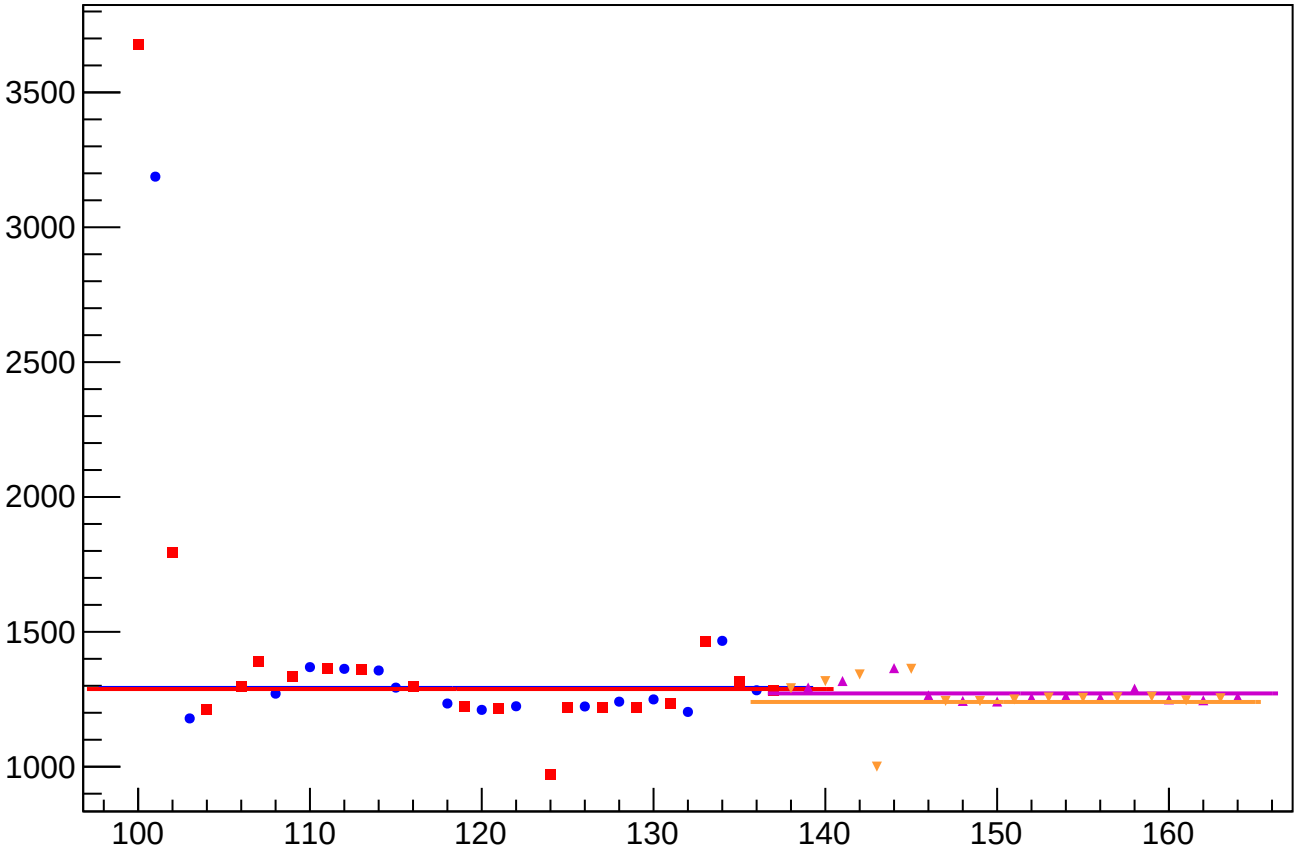
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -179.480+/-295.851 χ^2/NDF: 32.4/29

All: 67.499+/-210.836 χ^2/NDF: 67.1/61

- 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: 1240.090+/-0.263 χ^2/NDF:121917.2/13

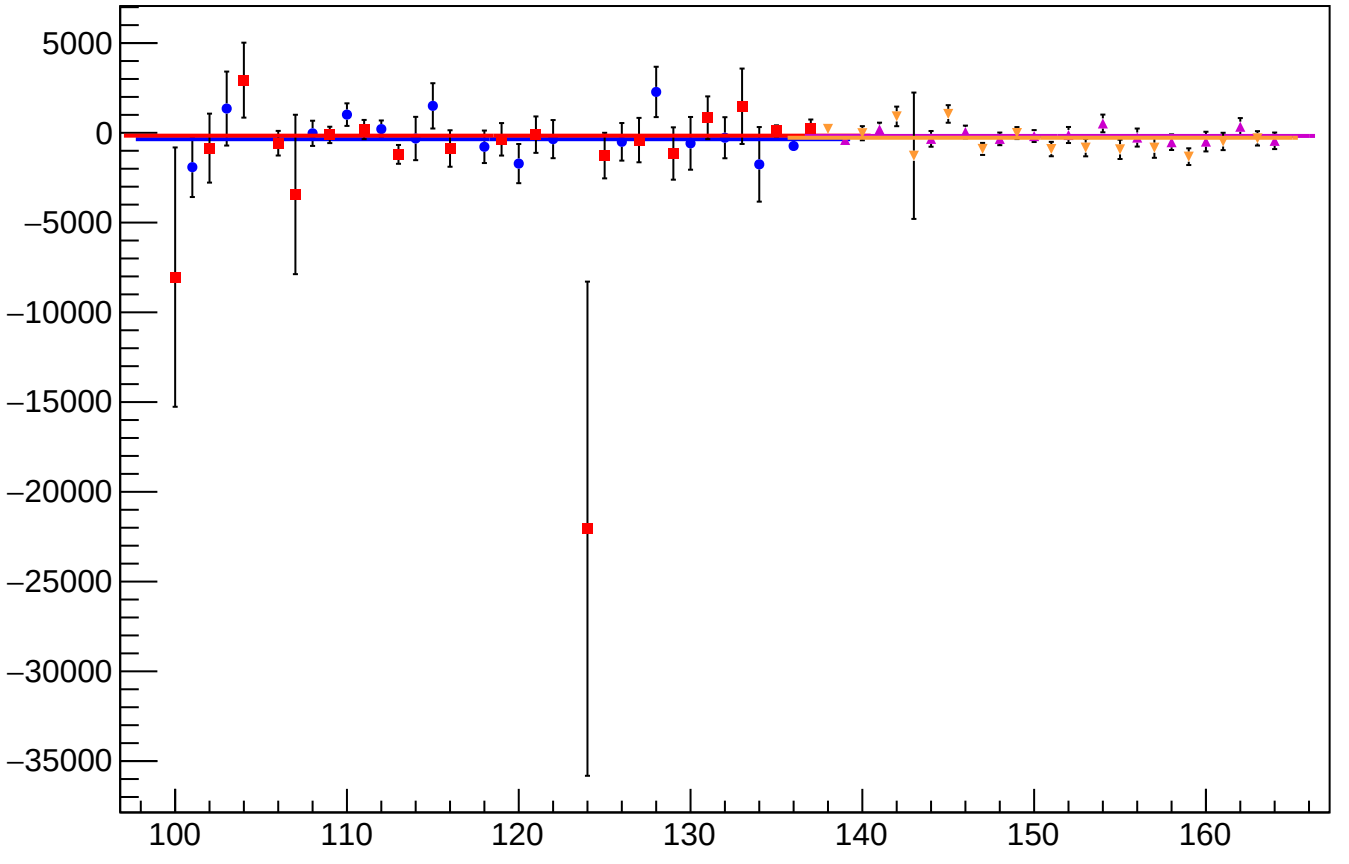
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

\+ sign 1259.058+/-0.209 χ^2/NDF: 645617.6/29

All: 1268.403+/-0.149 χ^2/NDF: 875676.0/61

\- 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: -275.168+/-111.115 χ^2/NDF:32.2/13

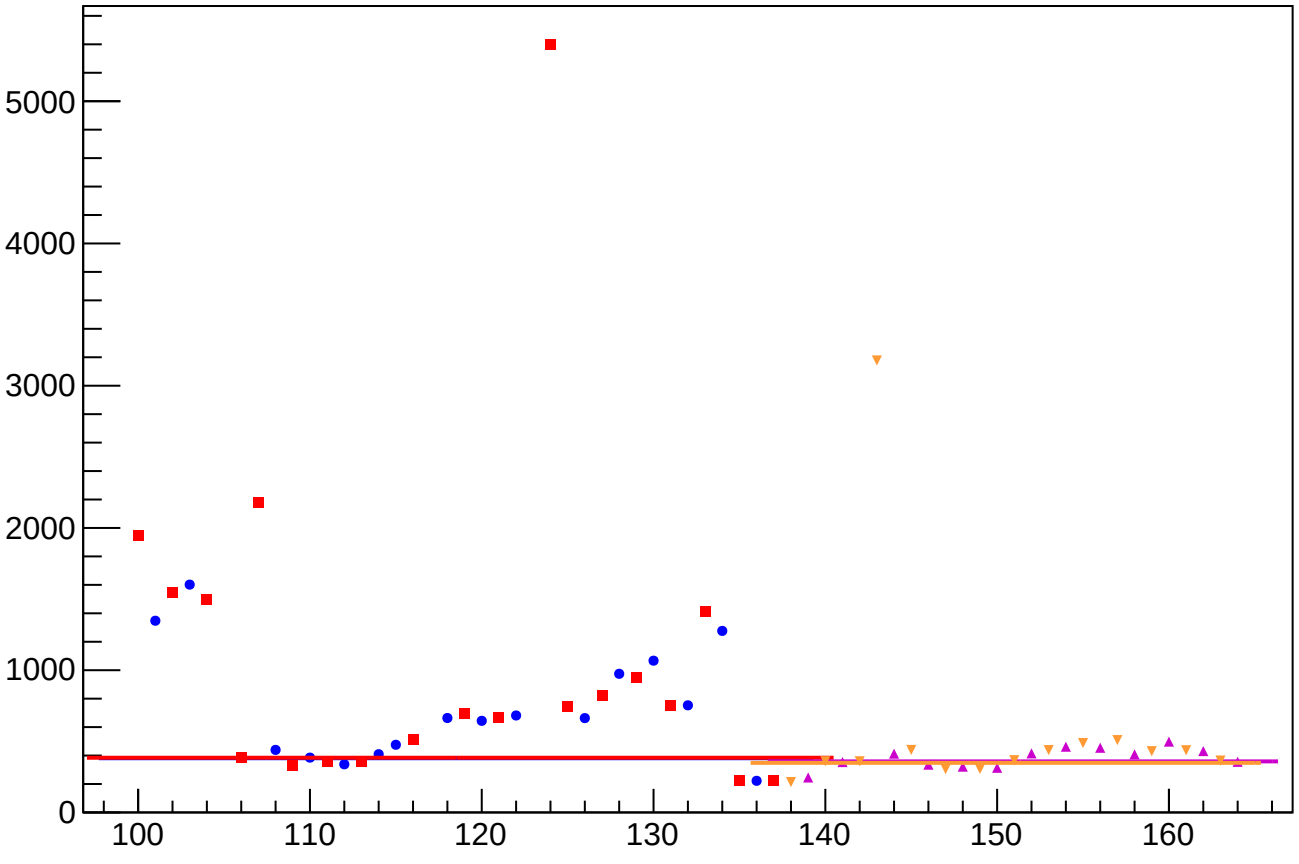
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.098 χ^2/NDF:6.8/12

+ sign -299.137+/-93.005 χ^2/NDF: 50.8/29

All: -233.974+/-65.743 χ^2/NDF: 74.4/61

- 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: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

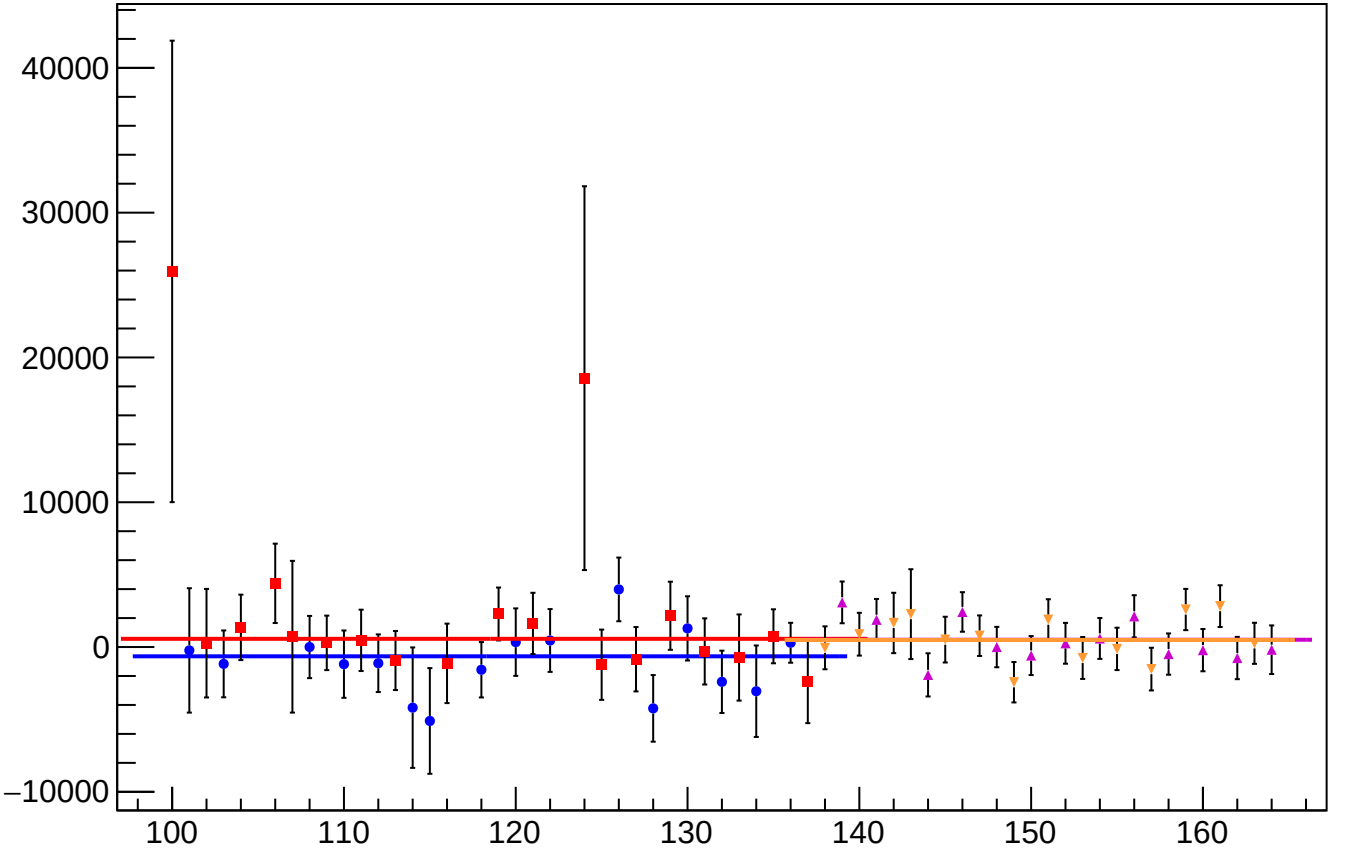
Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

+ sign 358.567+/-0.066 χ^2/NDF: 6915164.4/29

All: 362.643+/-0.046 χ^2/NDF: 12338487.5/61

- 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: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

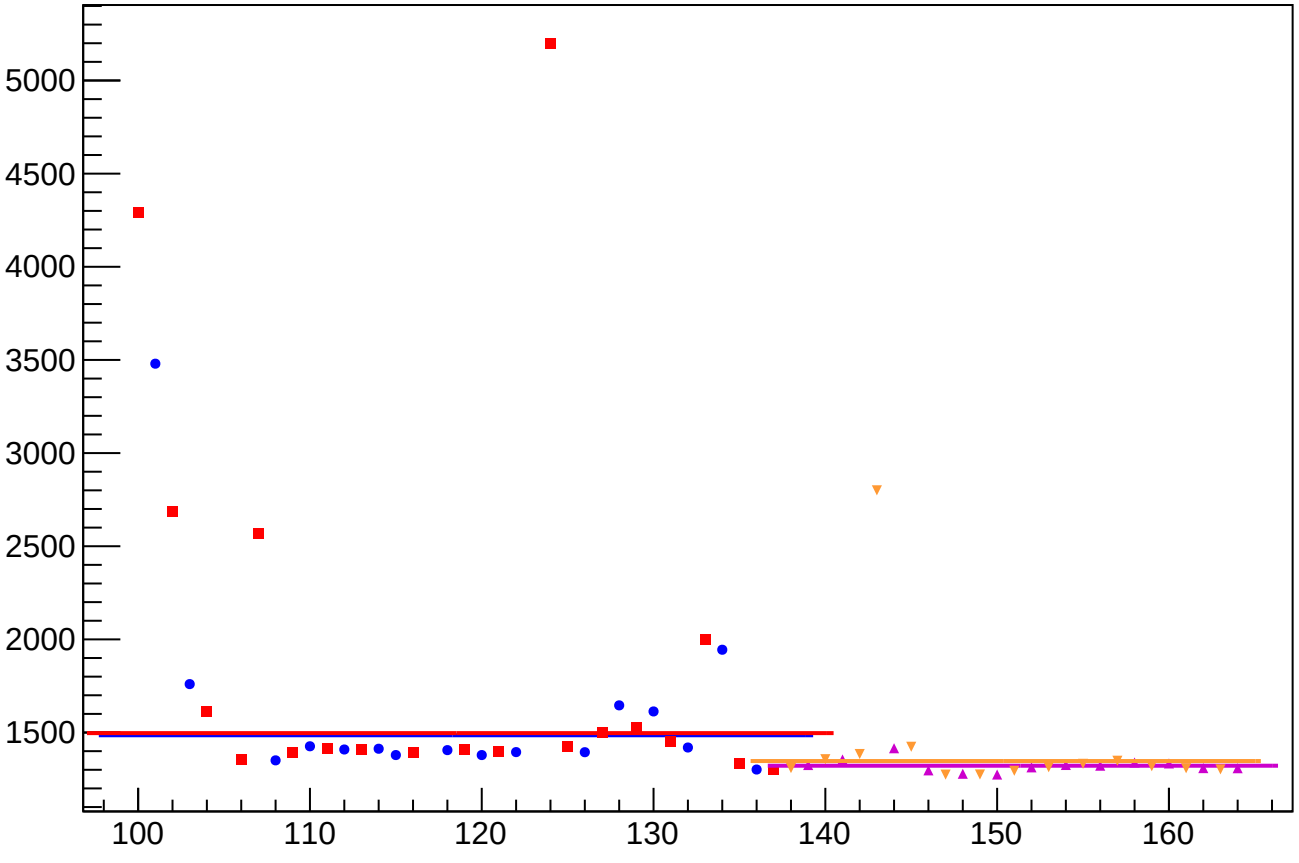
Left In: 503.721+/-399.228 χ^2/NDF:12.4/12

+ sign 101.993+/-329.834 χ^2/NDF: 29.0/29

All: 315.613+/-231.999 χ^2/NDF: 53.6/61

- 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: 1347.004+/-0.287 χ^2/NDF:464274.6/13

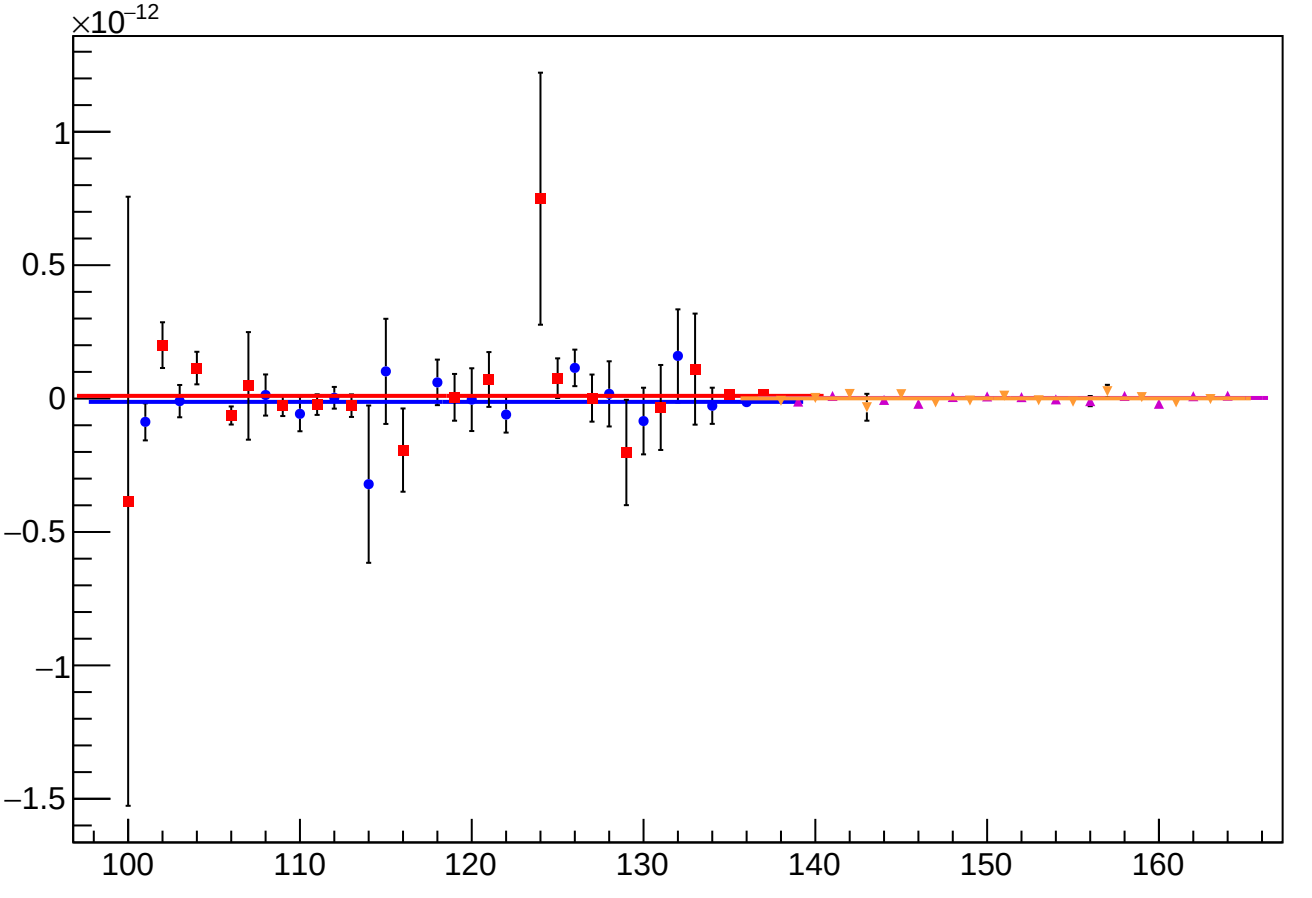
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

+ sign 1394.265+/-0.233 χ^2/NDF: 1127900.5/29

All: 1386.998+/-0.164 χ^2/NDF: 1895439.8/61

- 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:13.8/13

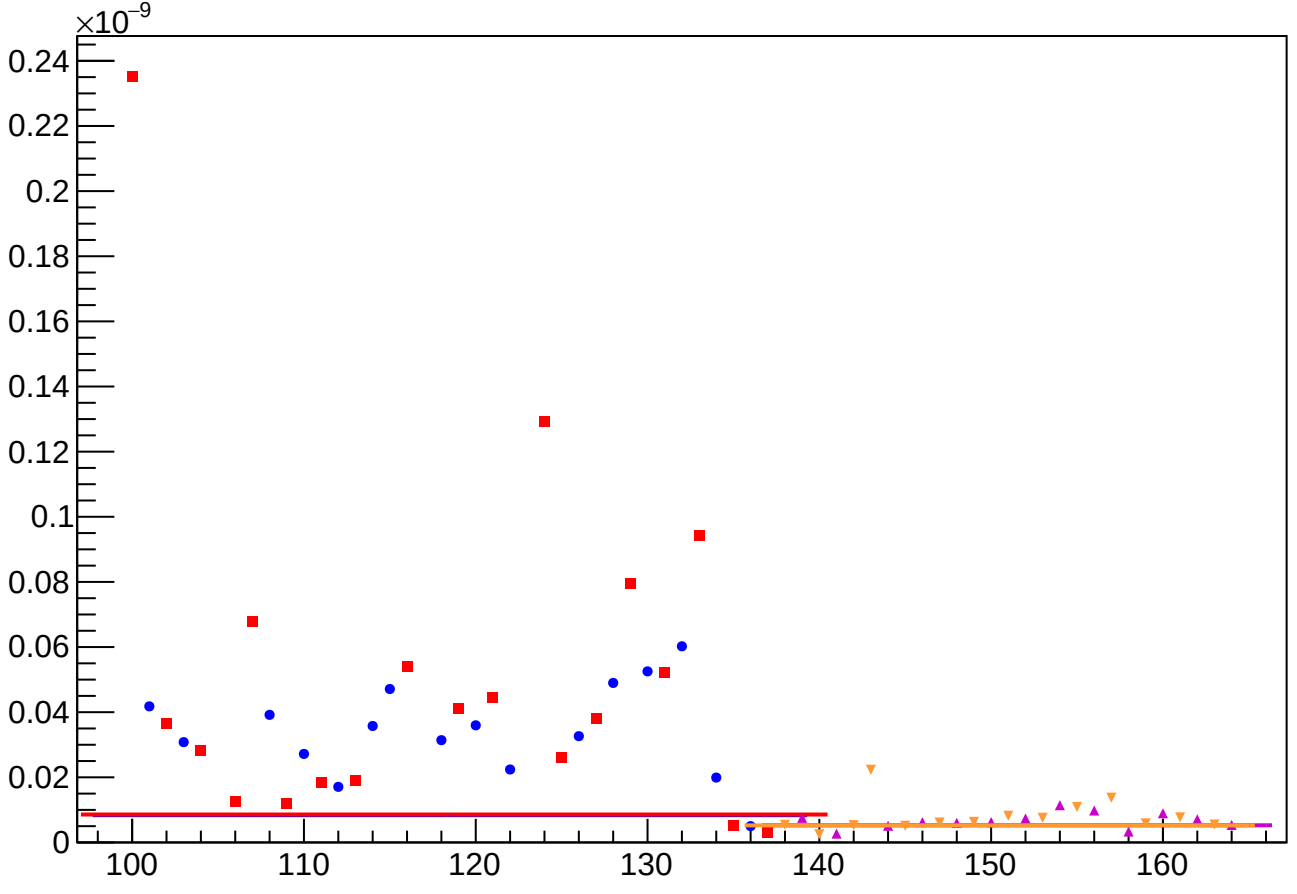
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 63.9/61

- 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:1619189.4/13

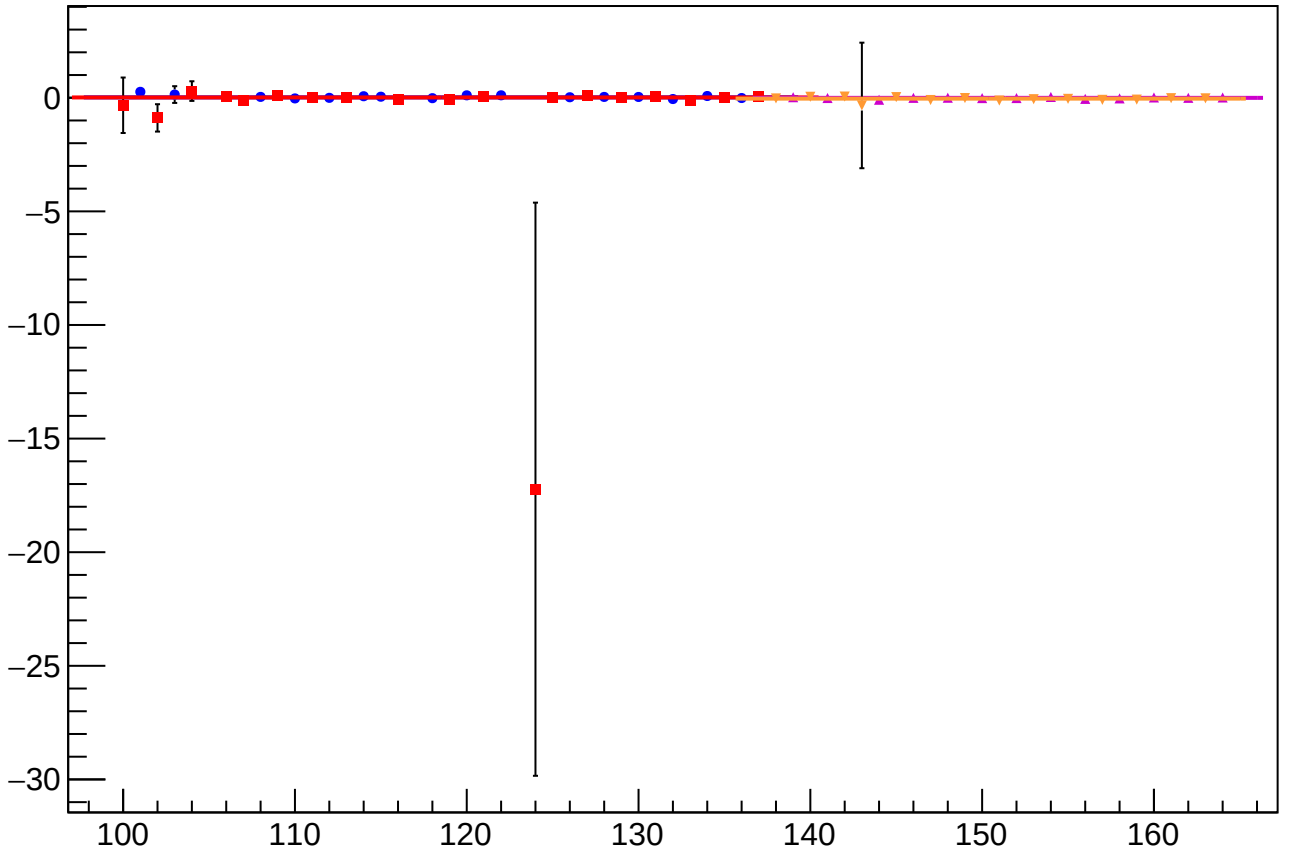
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 4994834.4/29

All: 0.000+/-0.000 χ^2/NDF: 9900228.3/61

- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

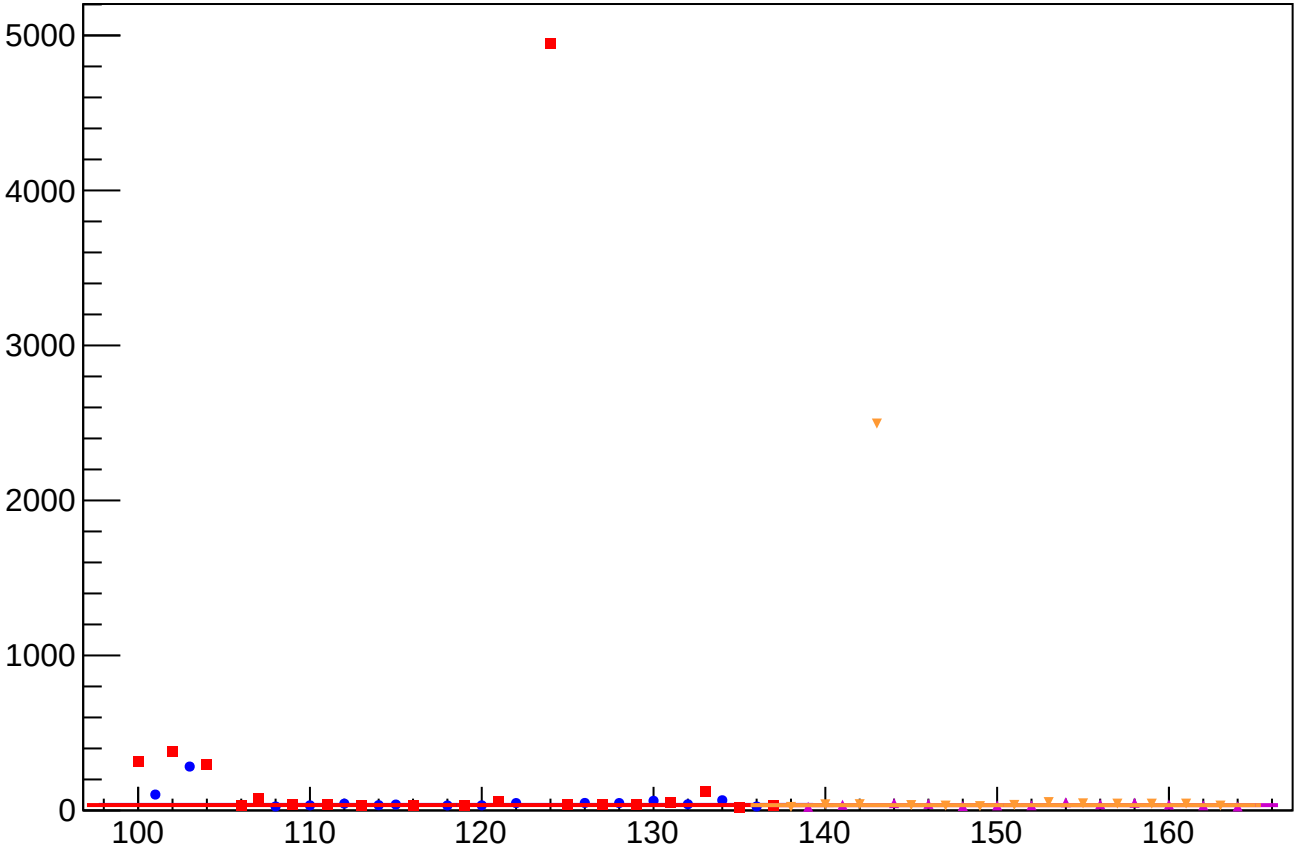
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

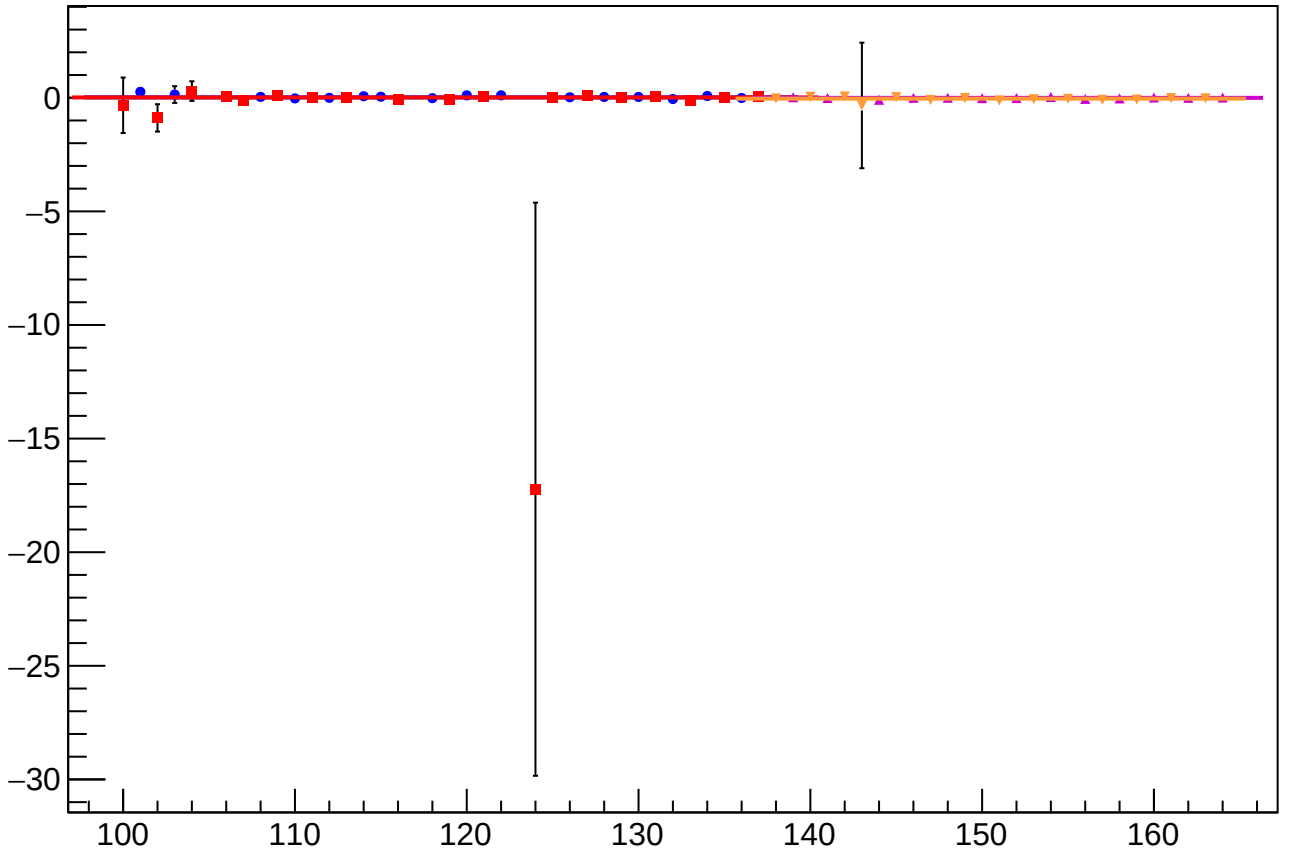
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

\- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

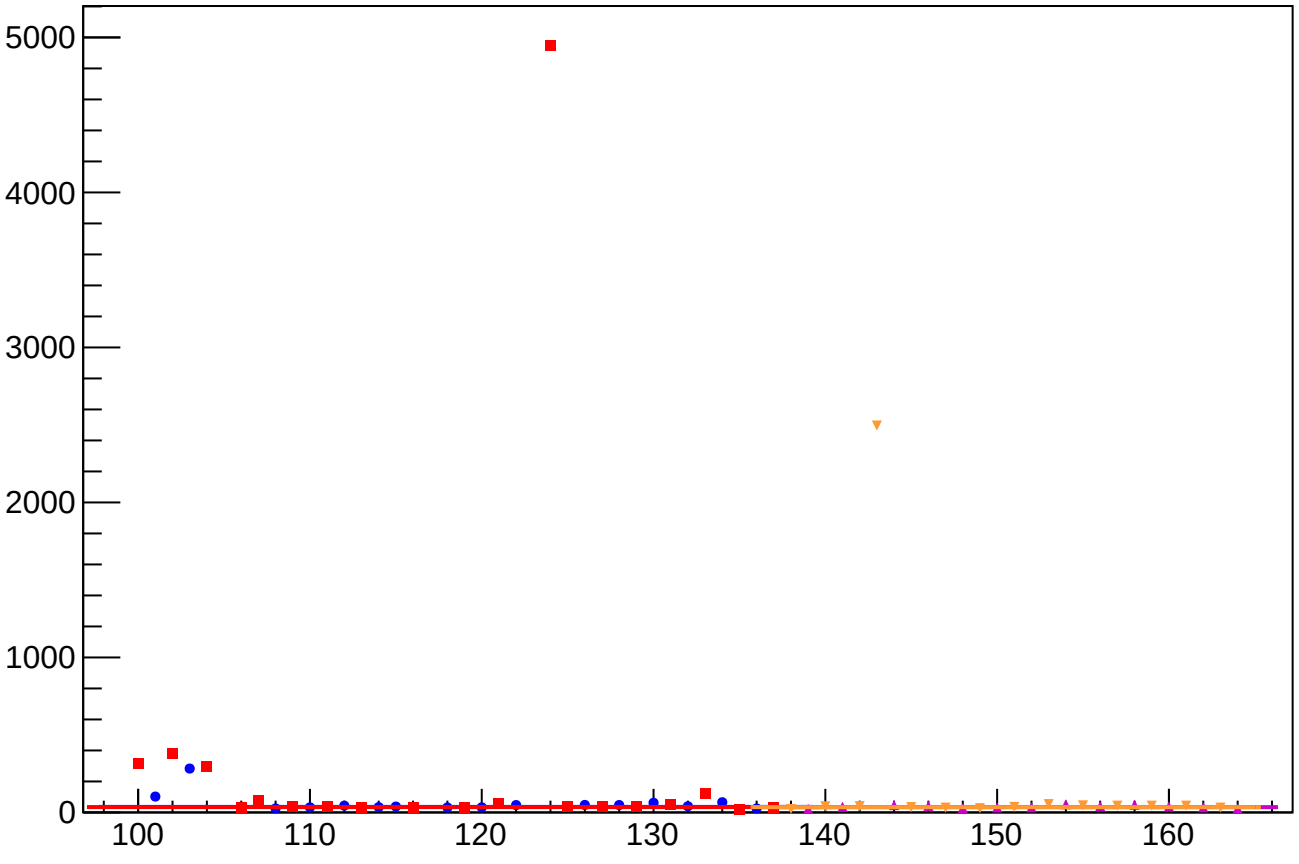
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

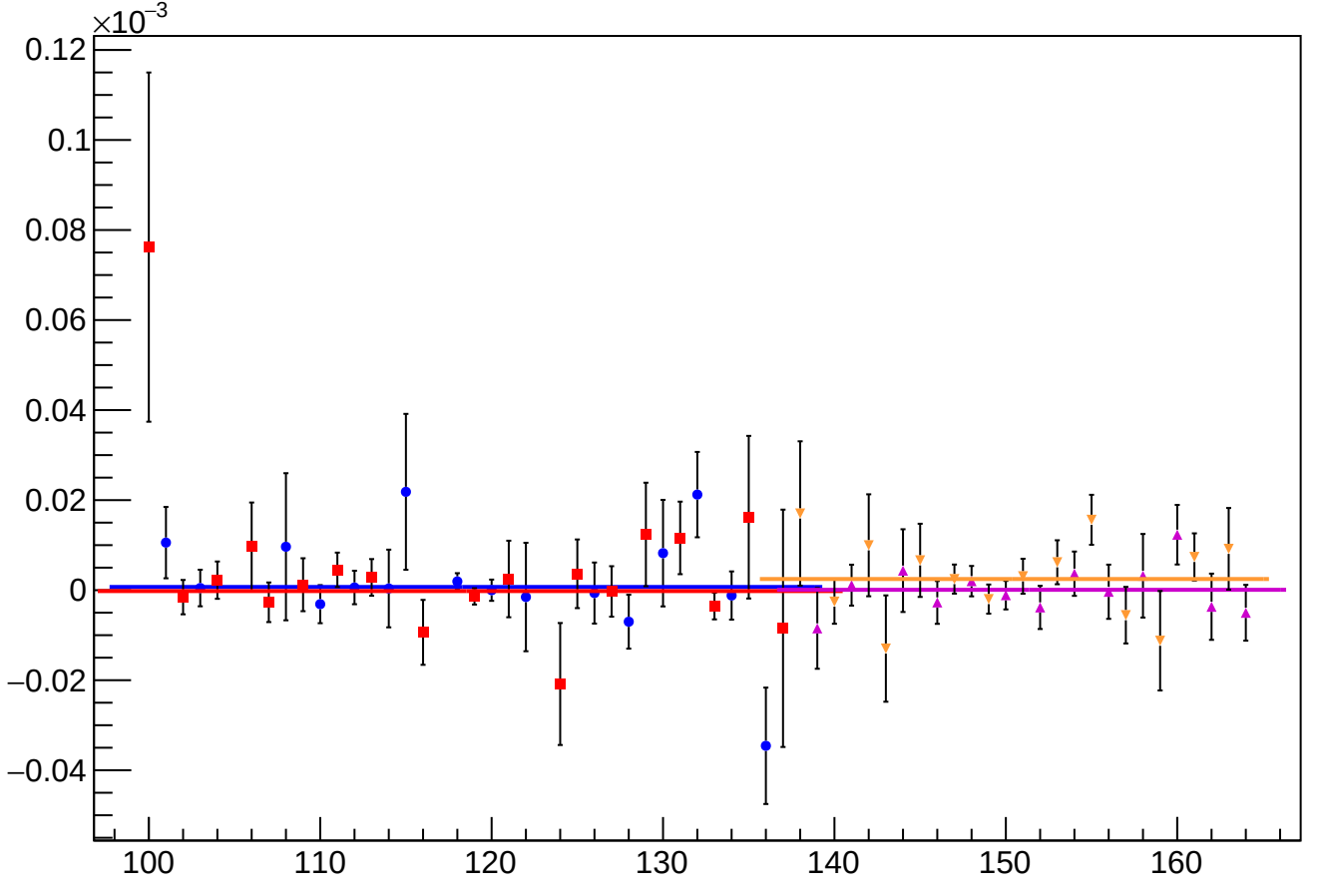
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

\- 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:17.0/13

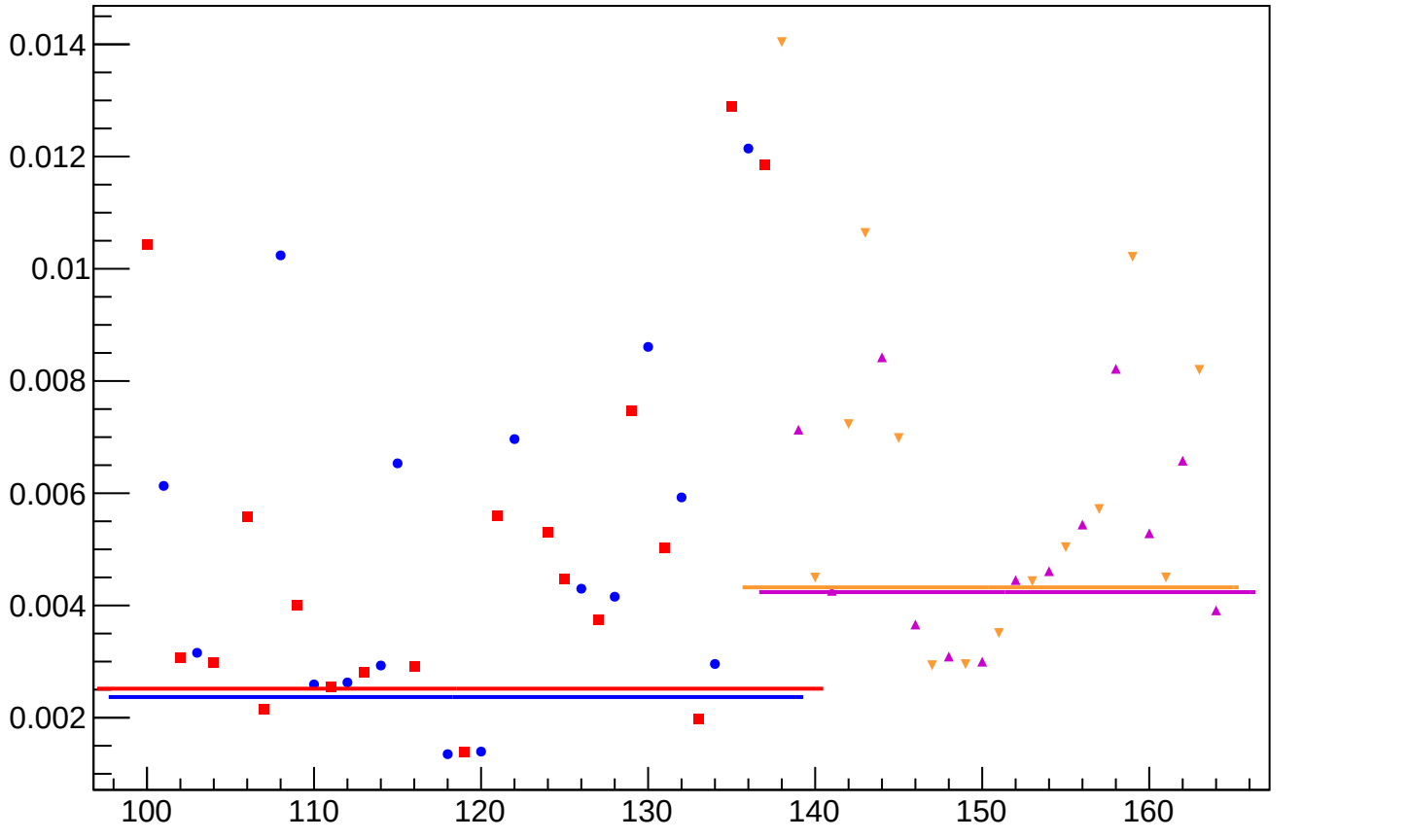
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/29

All: 0.000+/-0.000 χ^2/NDF: 64.3/61

- 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:3540393.4/13

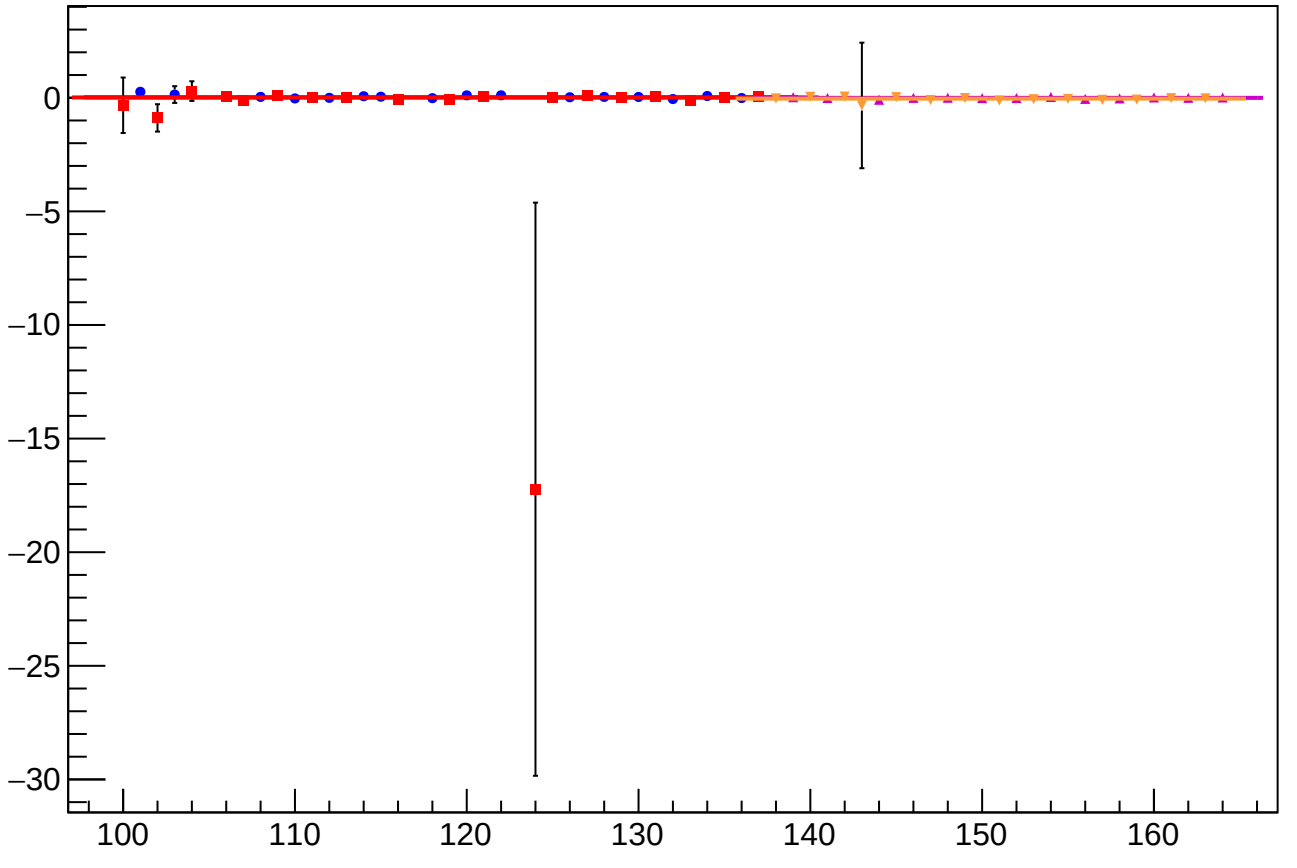
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

\+ sign 0.003+/-0.000 χ^2/NDF: 10601790.7/29

All: 0.003+/-0.000 χ^2/NDF: 17791541.1/61

\- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

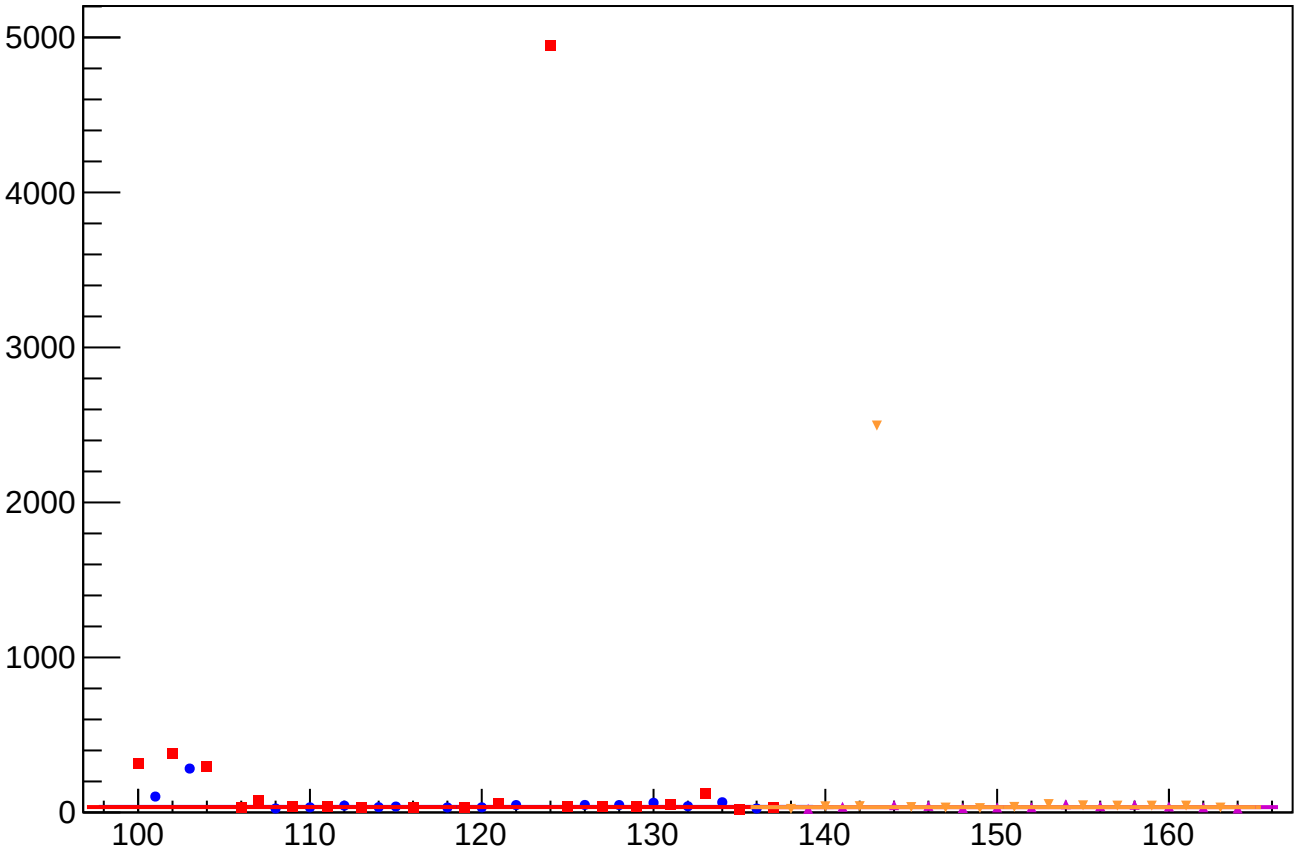
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

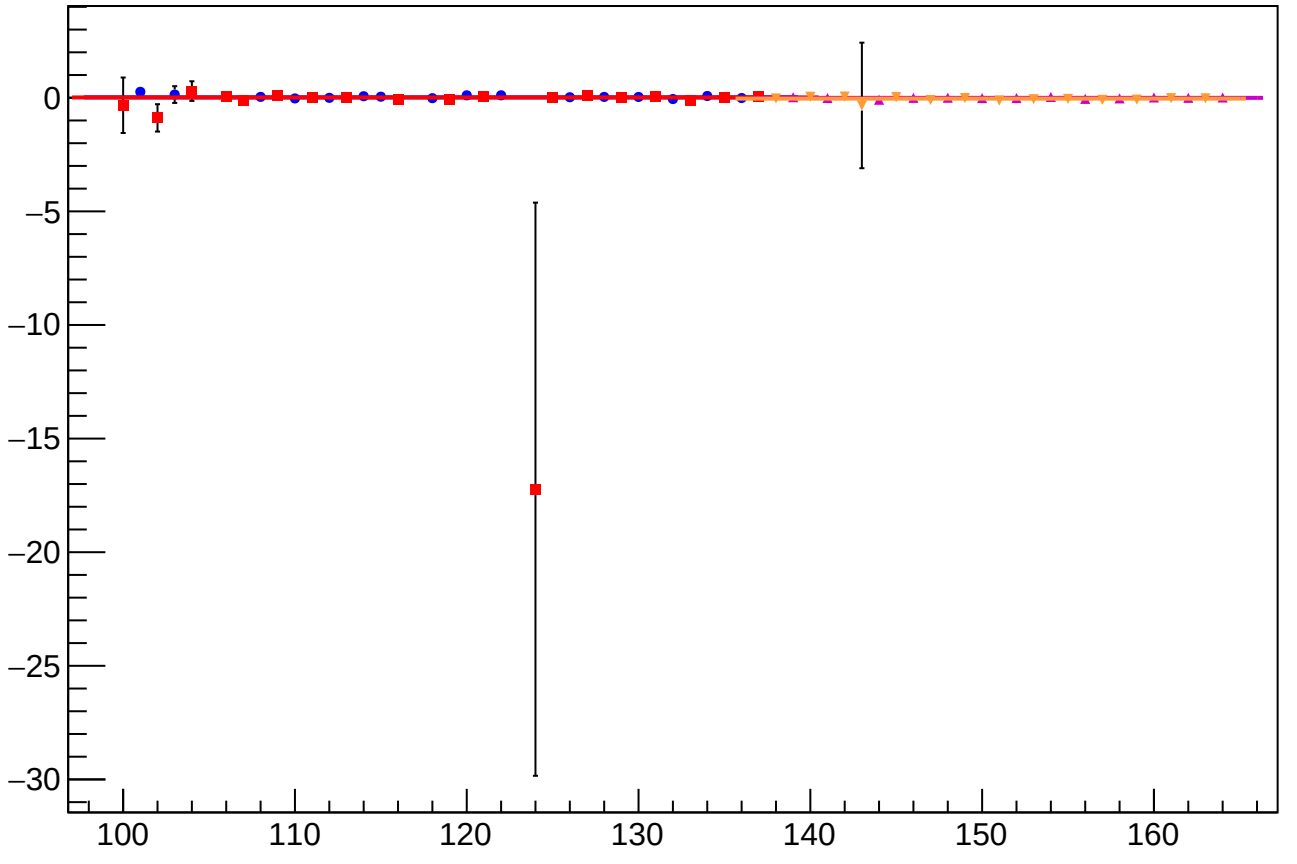
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

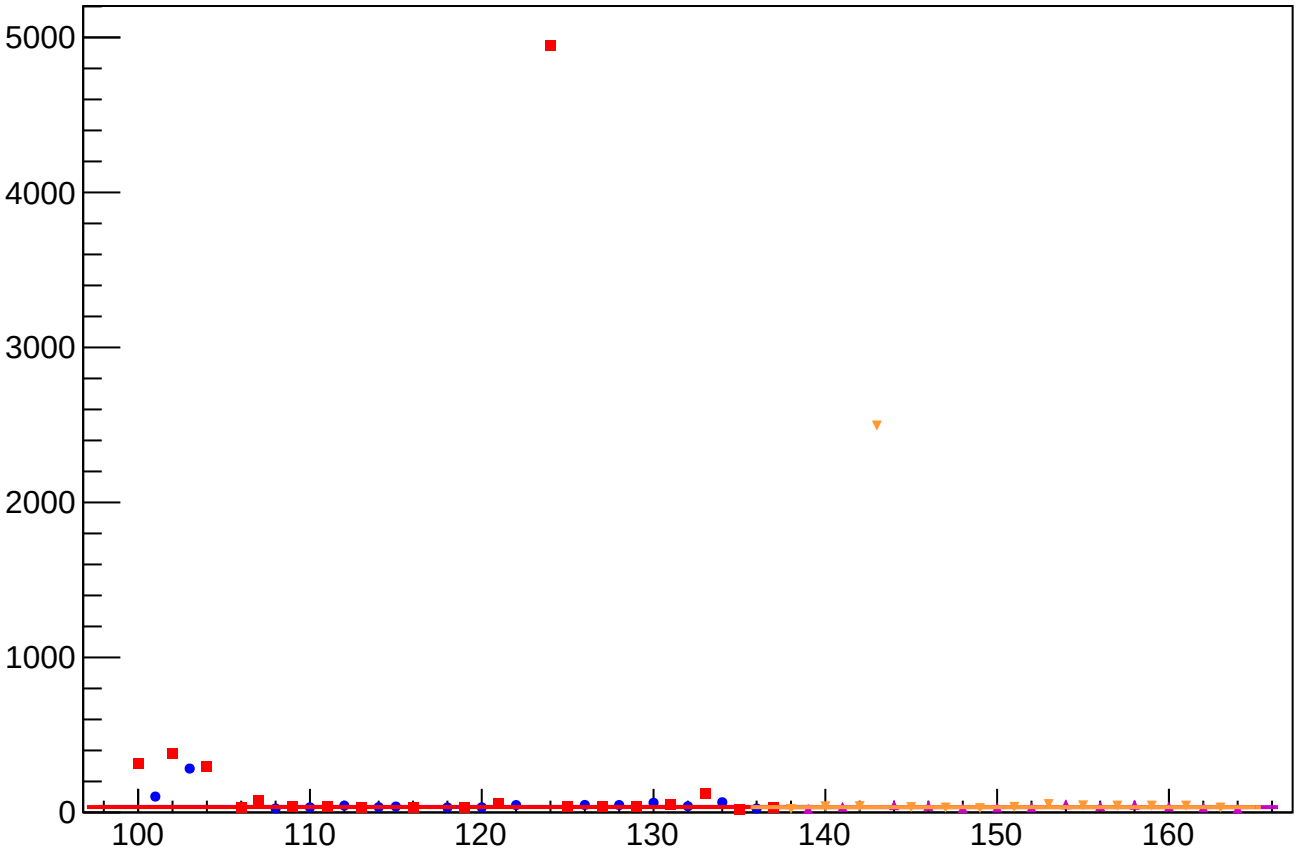
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

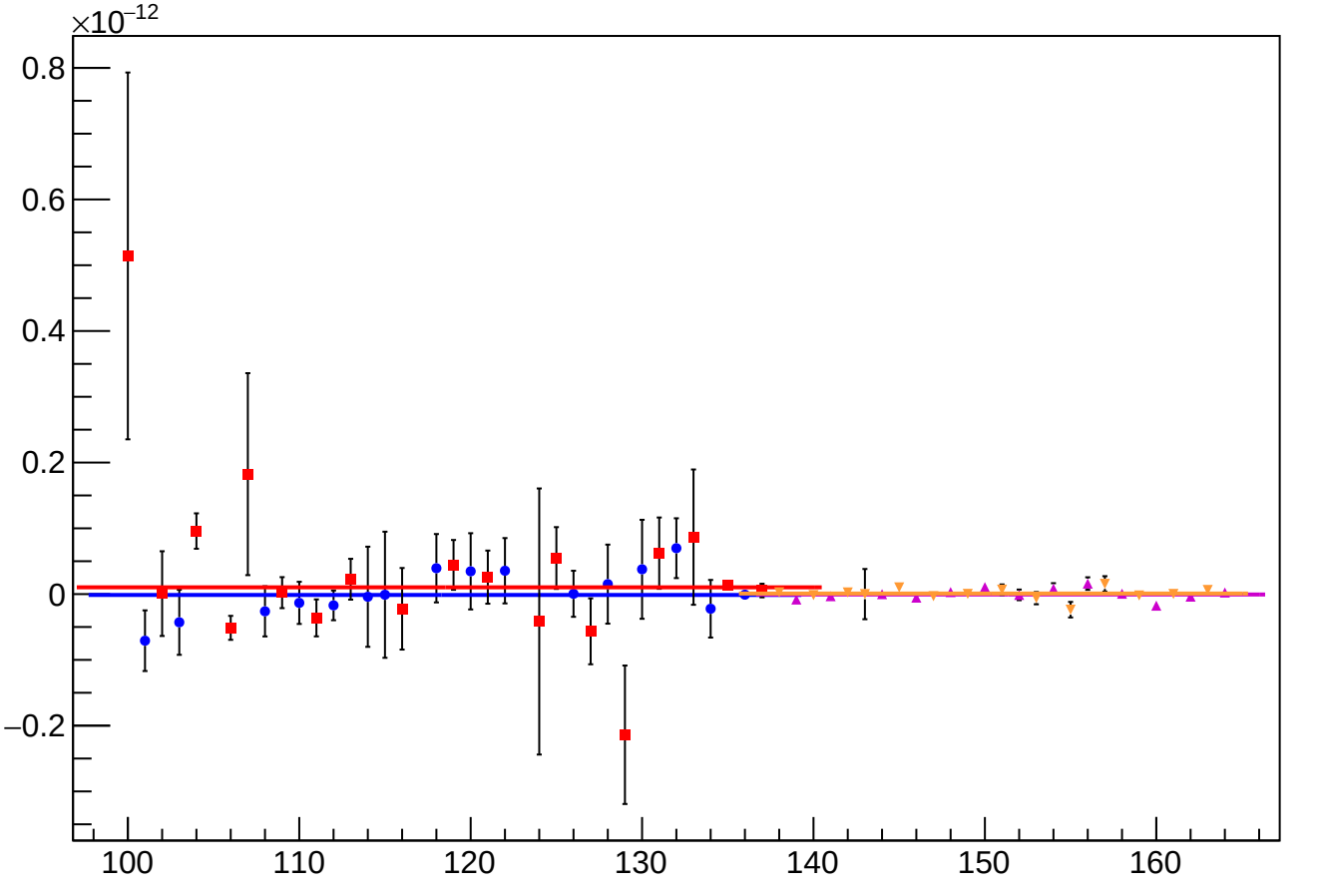
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

- 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:11.4/13

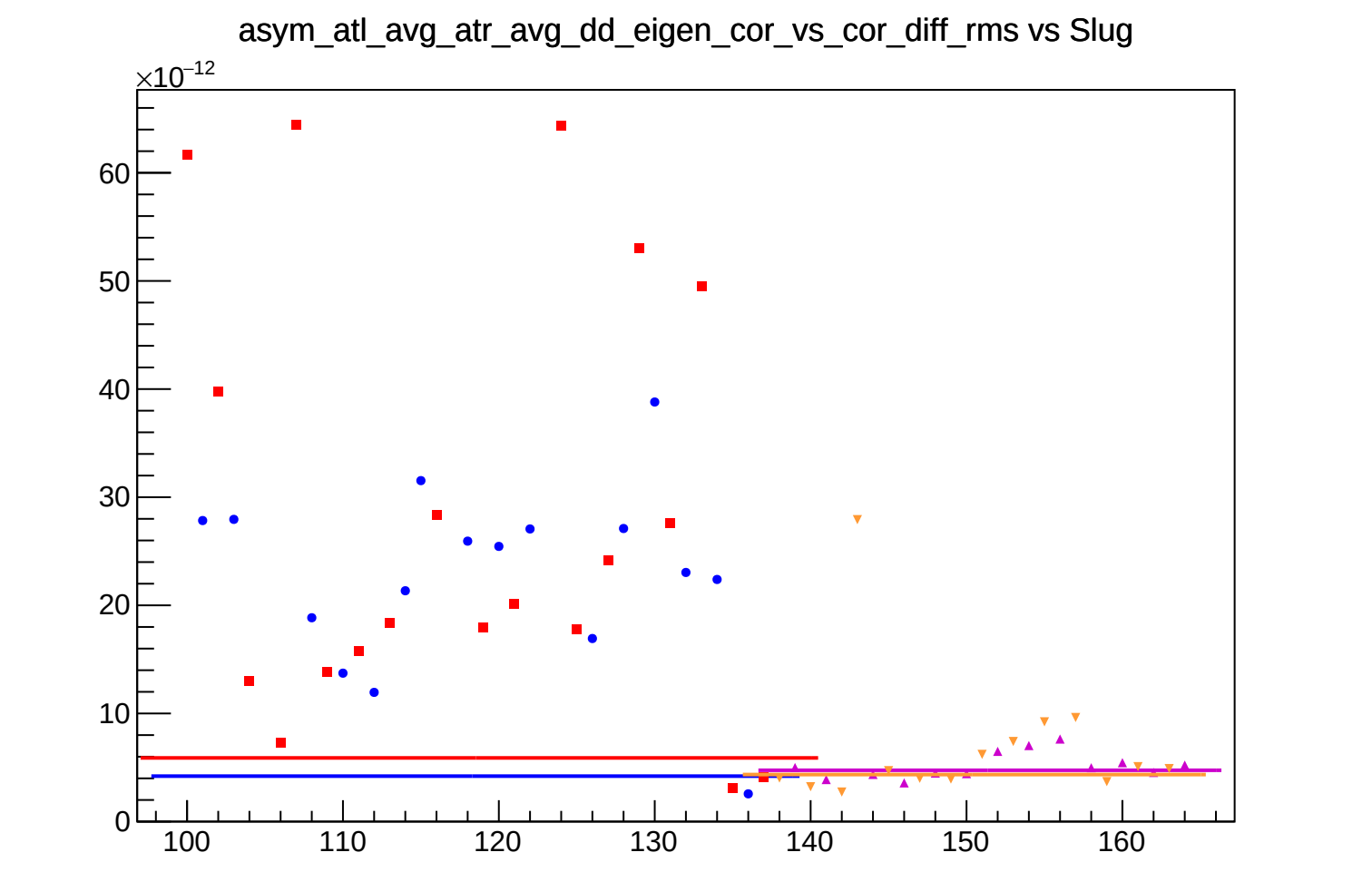
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/29

All: 0.000+/-0.000 χ^2/NDF: 83.4/61

- sign 0.000+/-0.000 χ^2/NDF: 63.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2295470.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

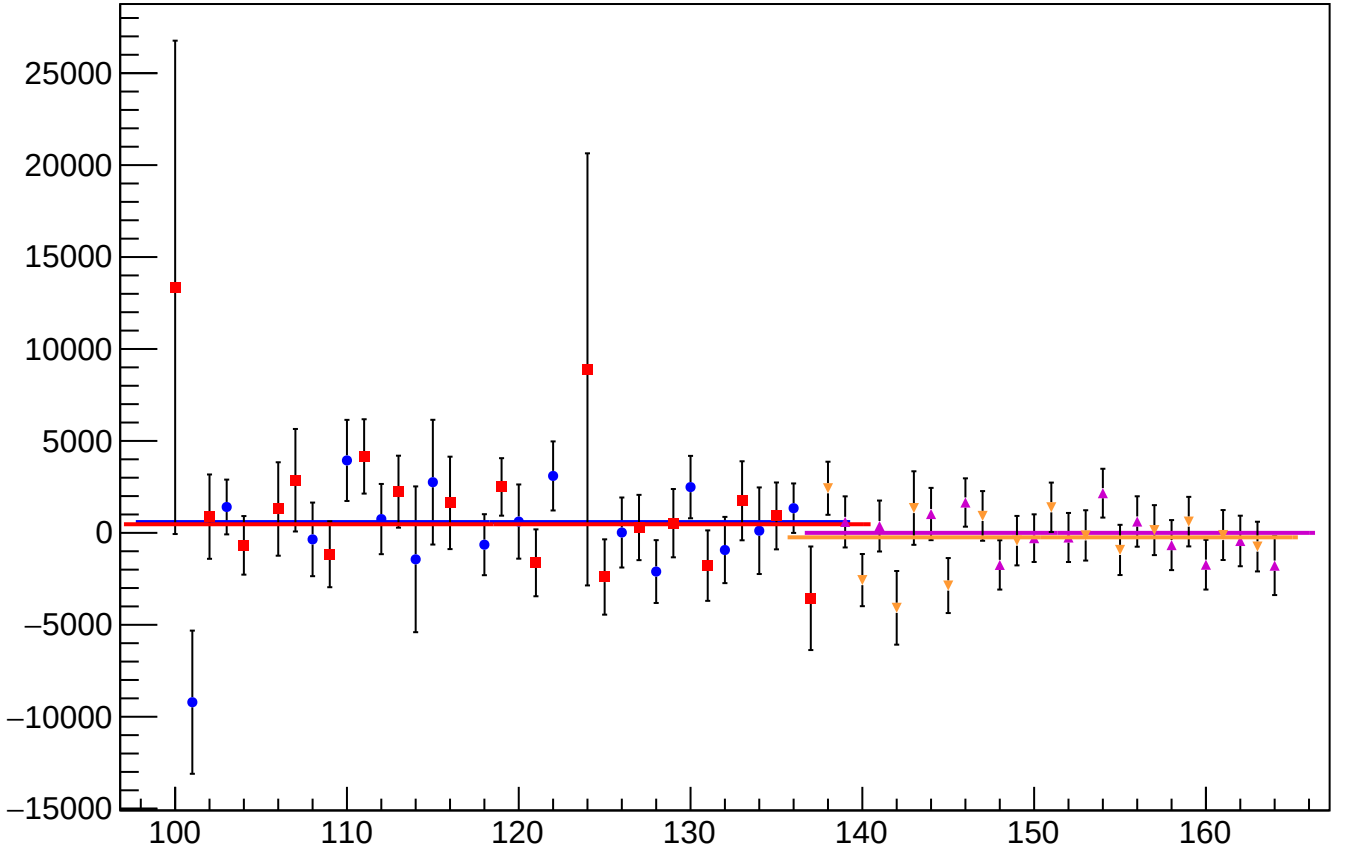
Left In: 0.000+/-0.000 χ^2/NDF:665655.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 7378633.1/29

All: 0.000+/-0.000 χ^2/NDF: 13178830.9/61

- sign 0.000+/-0.000 χ^2/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: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

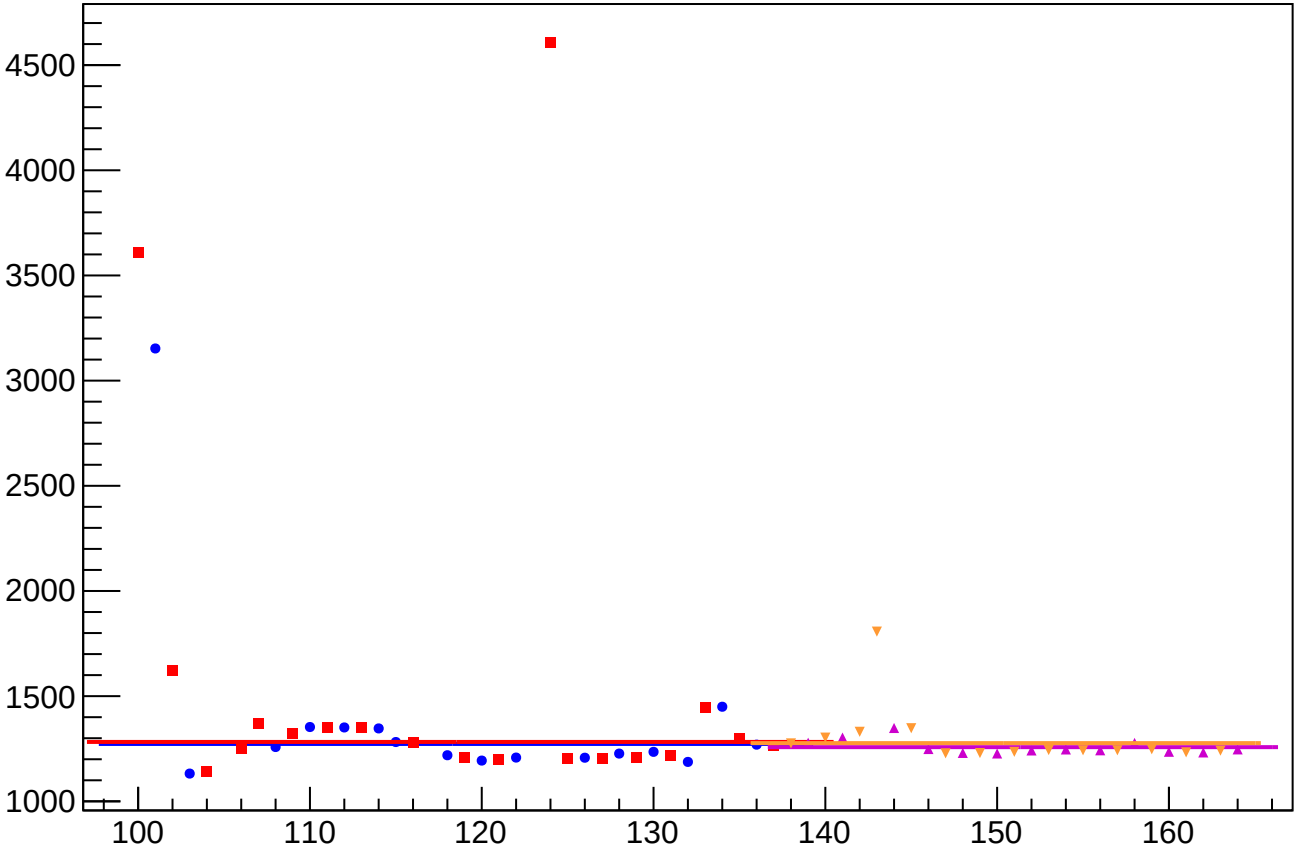
Left In: 0.394+/-379.805 χ^2/NDF:10.2/12

+ sign 77.823+/-299.782 χ^2/NDF: 35.5/29

All: 129.517+/-211.333 χ^2/NDF: 63.2/61

- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

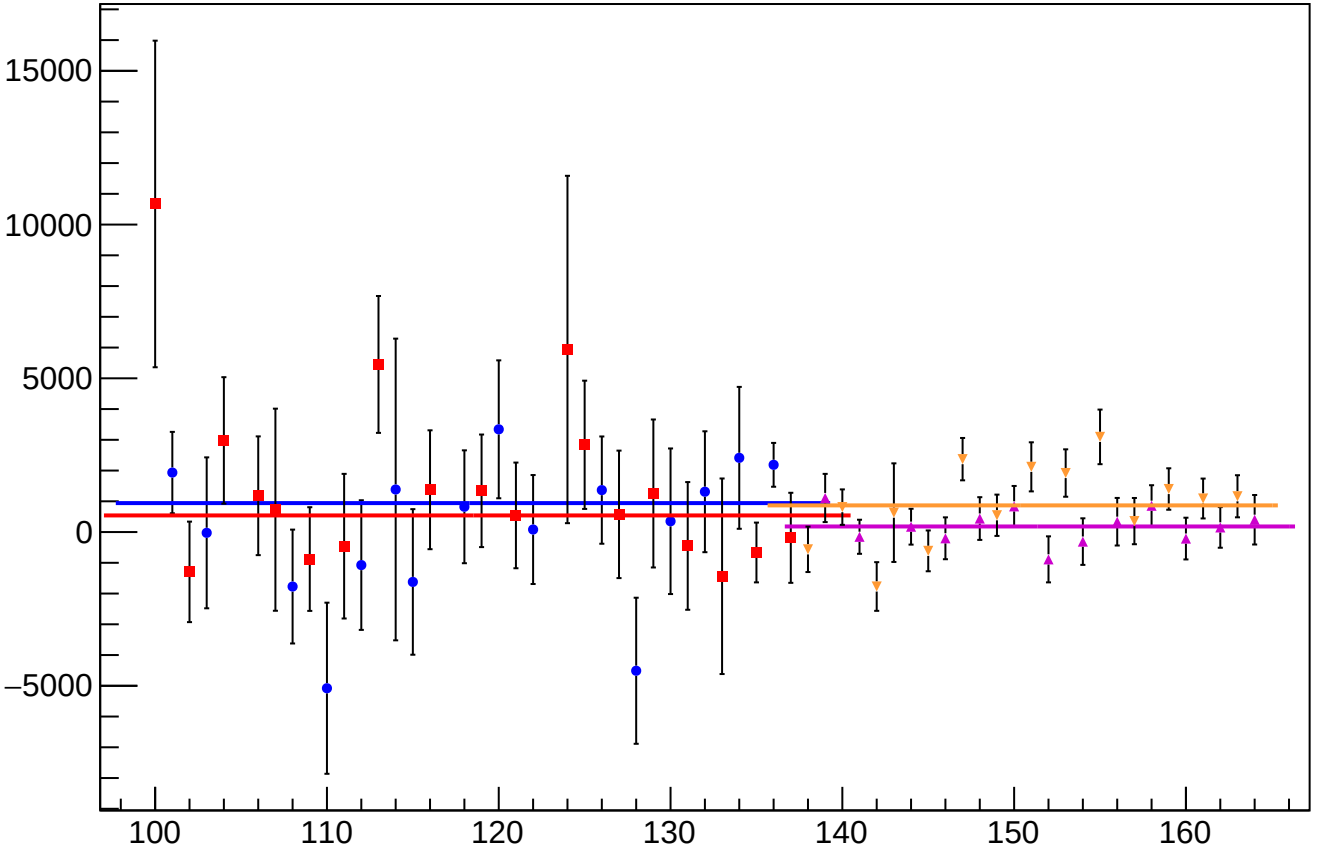
Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681573.1/29

All: 1271.144+/-0.149 χ^2/NDF: 1022878.5/61

- 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: 867.249+/-194.533 χ^2/NDF:36.9/13

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

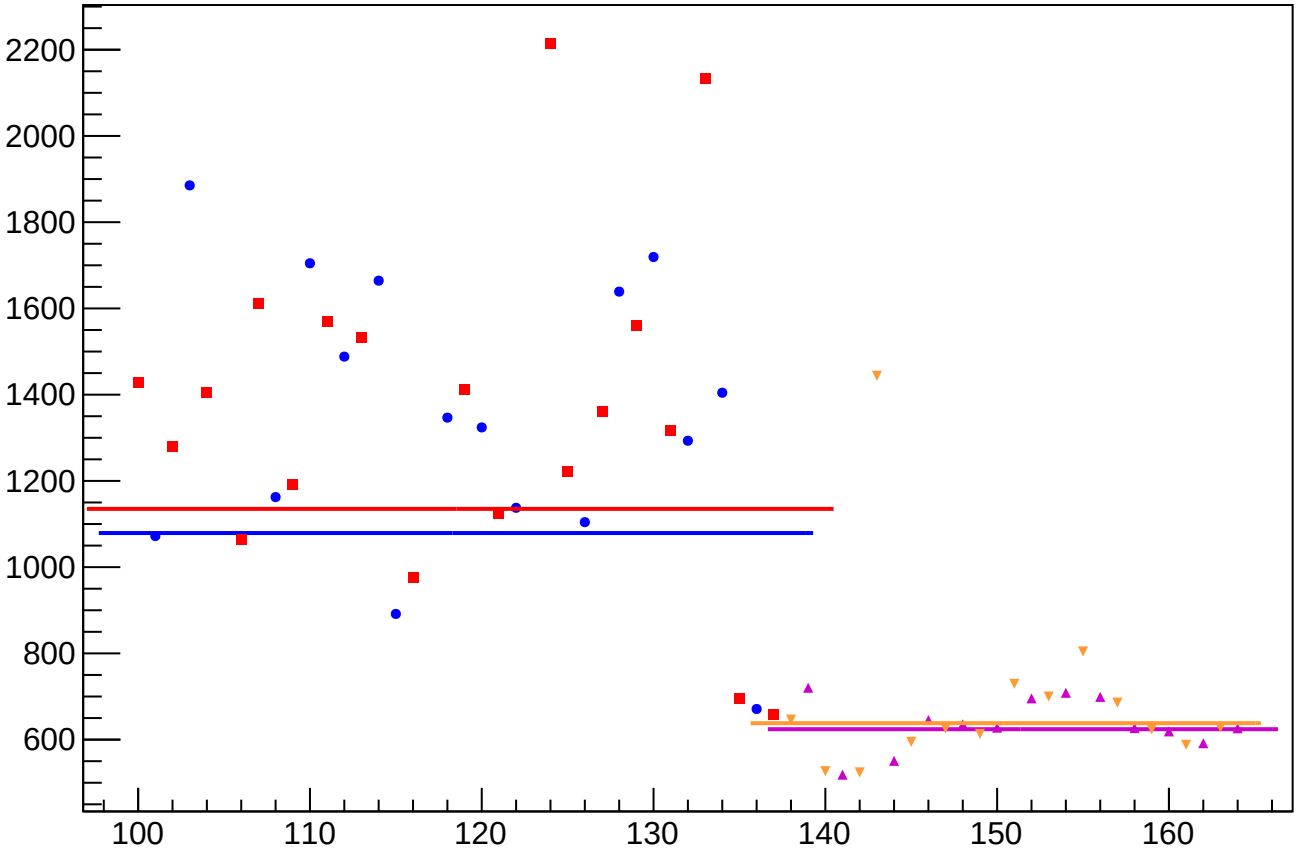
Left In: 181.537+/-189.763 χ^2/NDF:7.1/12

+ sign 880.114+/-176.944 χ^2/NDF: 56.8/29

All: 554.052+/-124.152 χ^2/NDF: 88.3/61

- 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: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

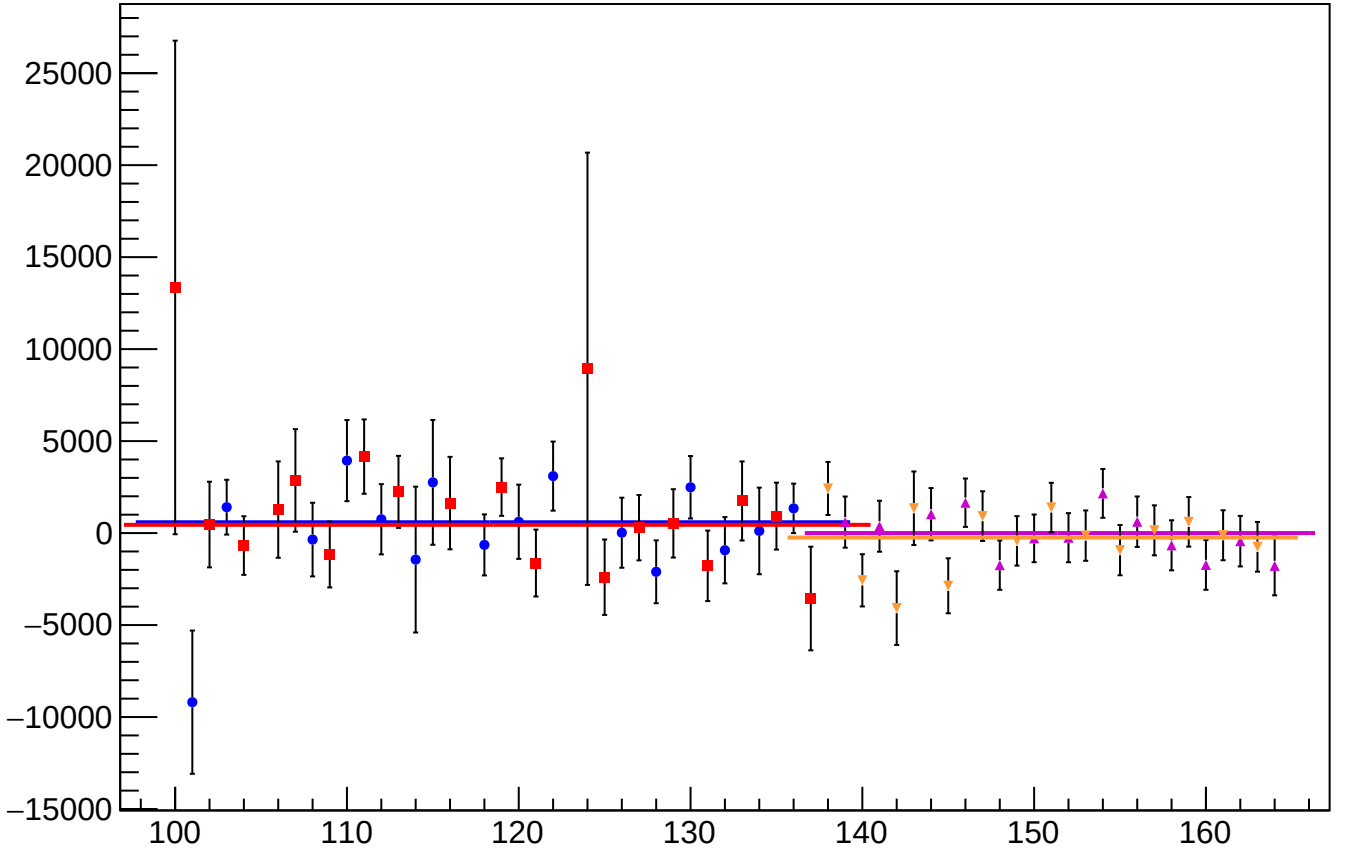
Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

+ sign 714.313+/-0.125 χ^2/NDF: 4020341.6/29

All: 709.259+/-0.088 χ^2/NDF: 7795194.7/61

- 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: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

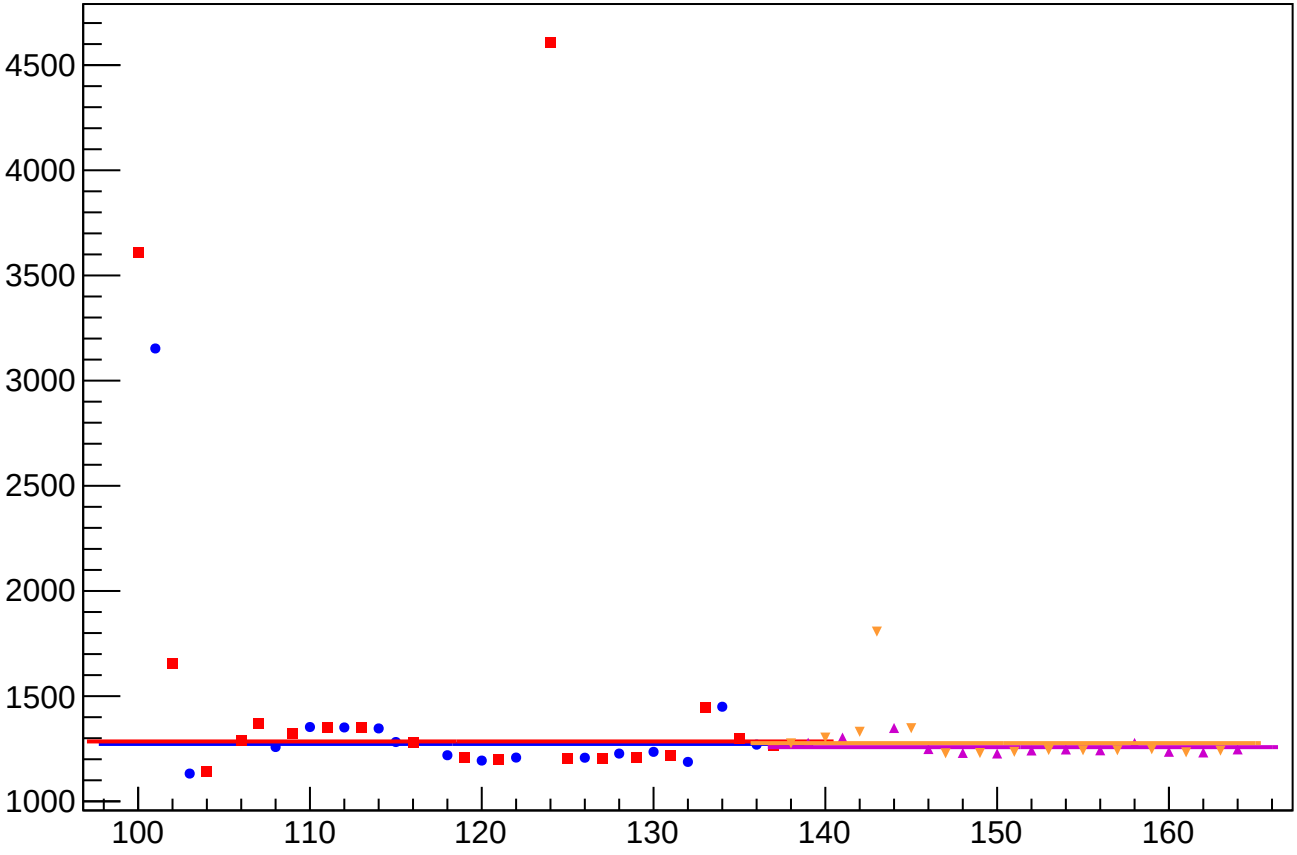
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

\+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 125.350+/-211.403 χ^2/NDF: 63.1/61

\- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

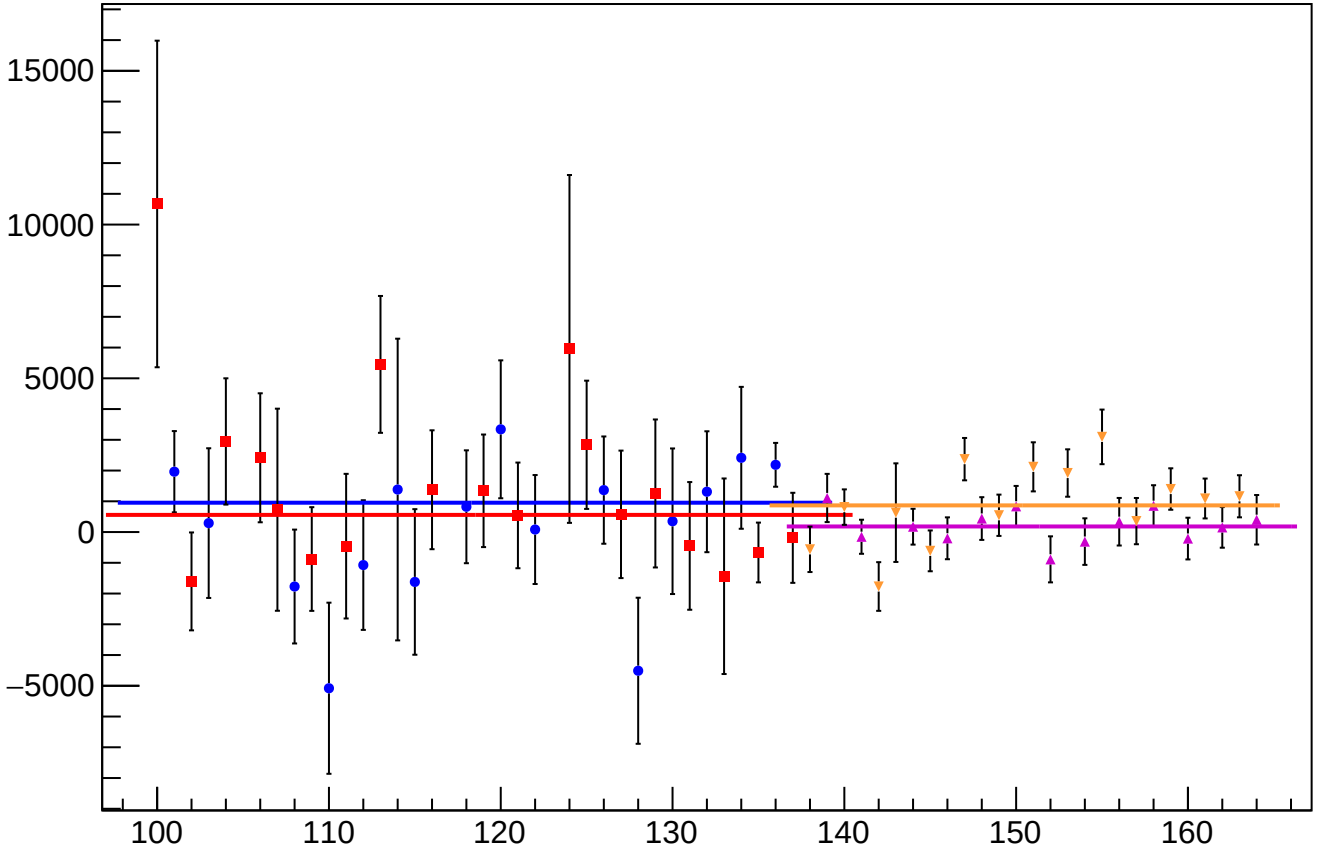
Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

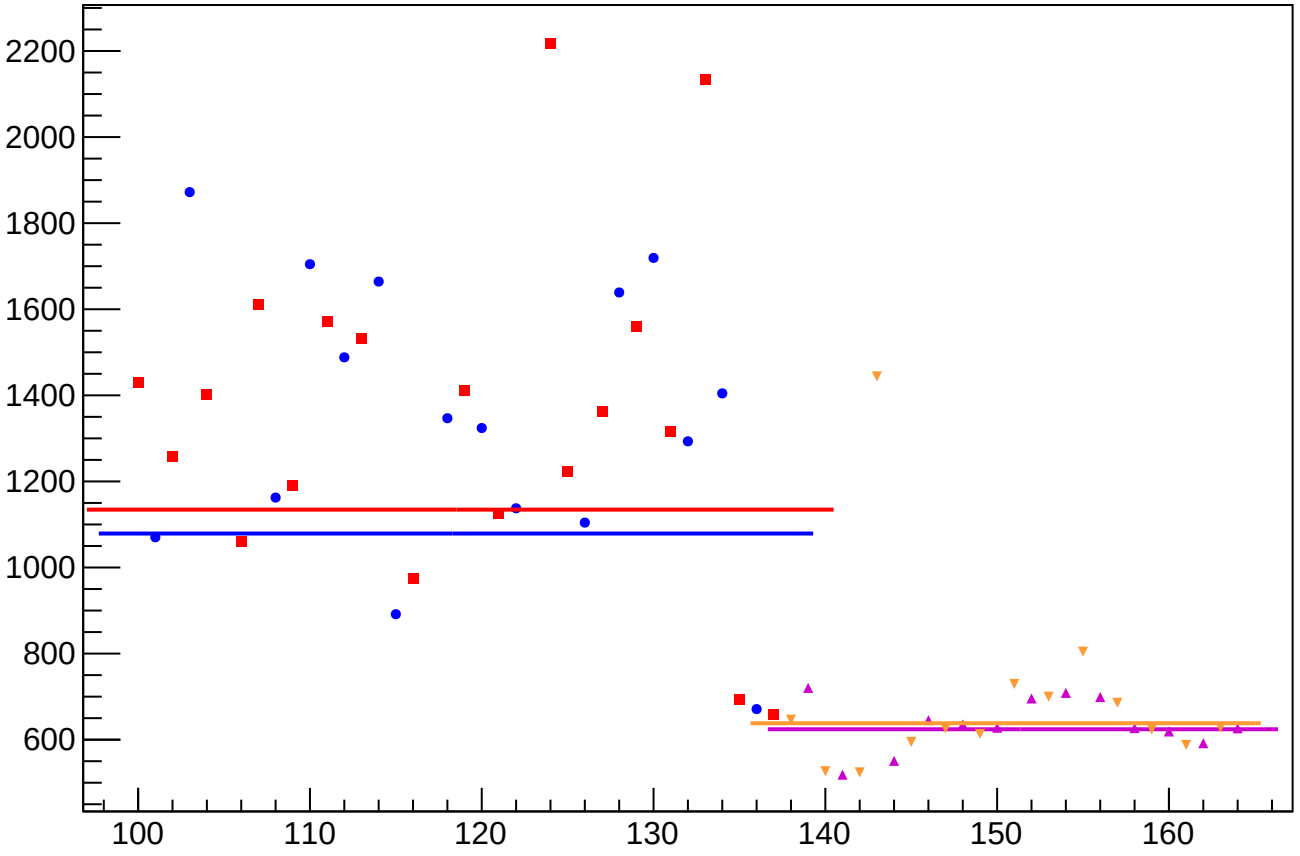
Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 556.485+/-124.167 χ^2/NDF: 89.6/61

- 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: 638.186+/-0.138 χ^2/NDF:763899.5/13

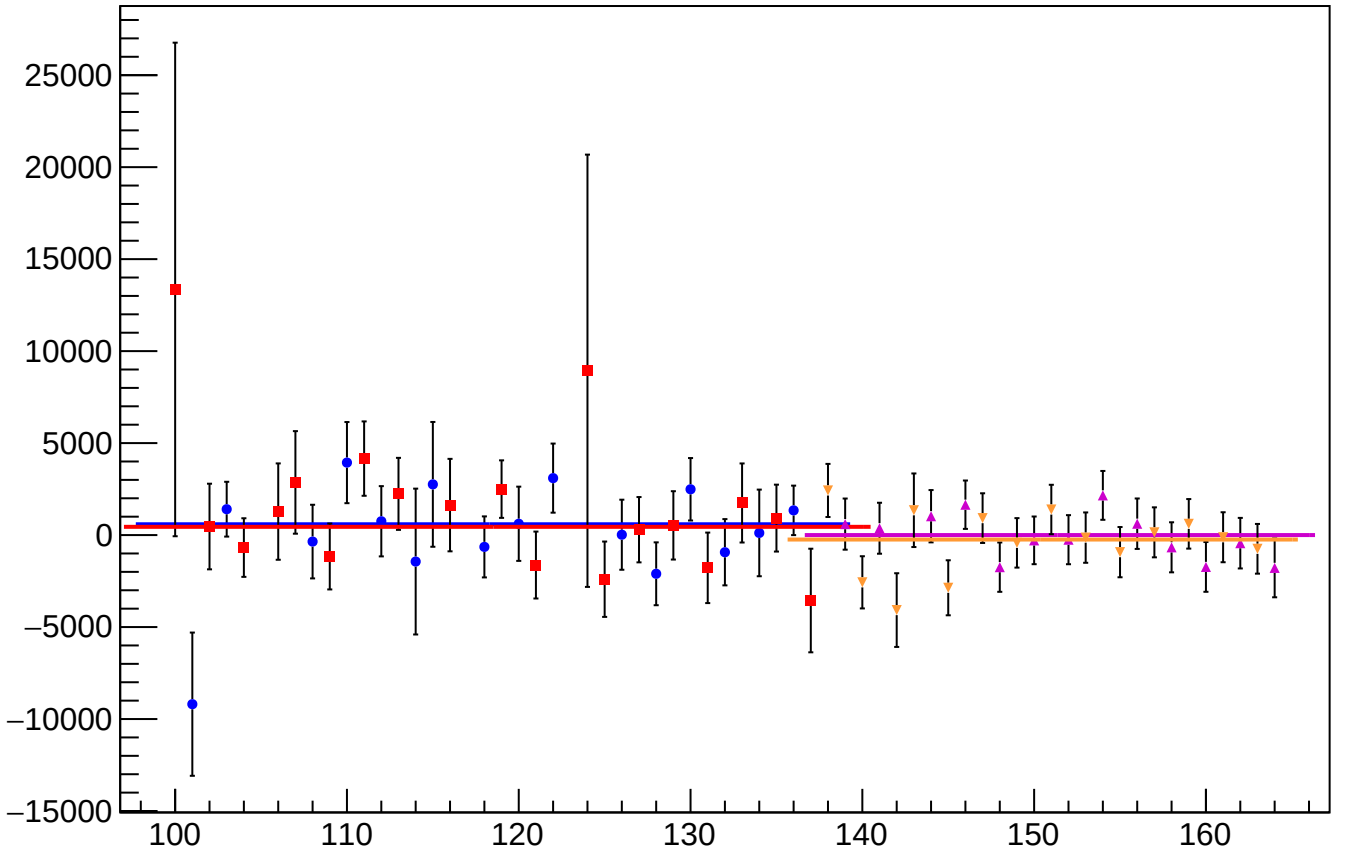
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

\+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61

\- 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: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

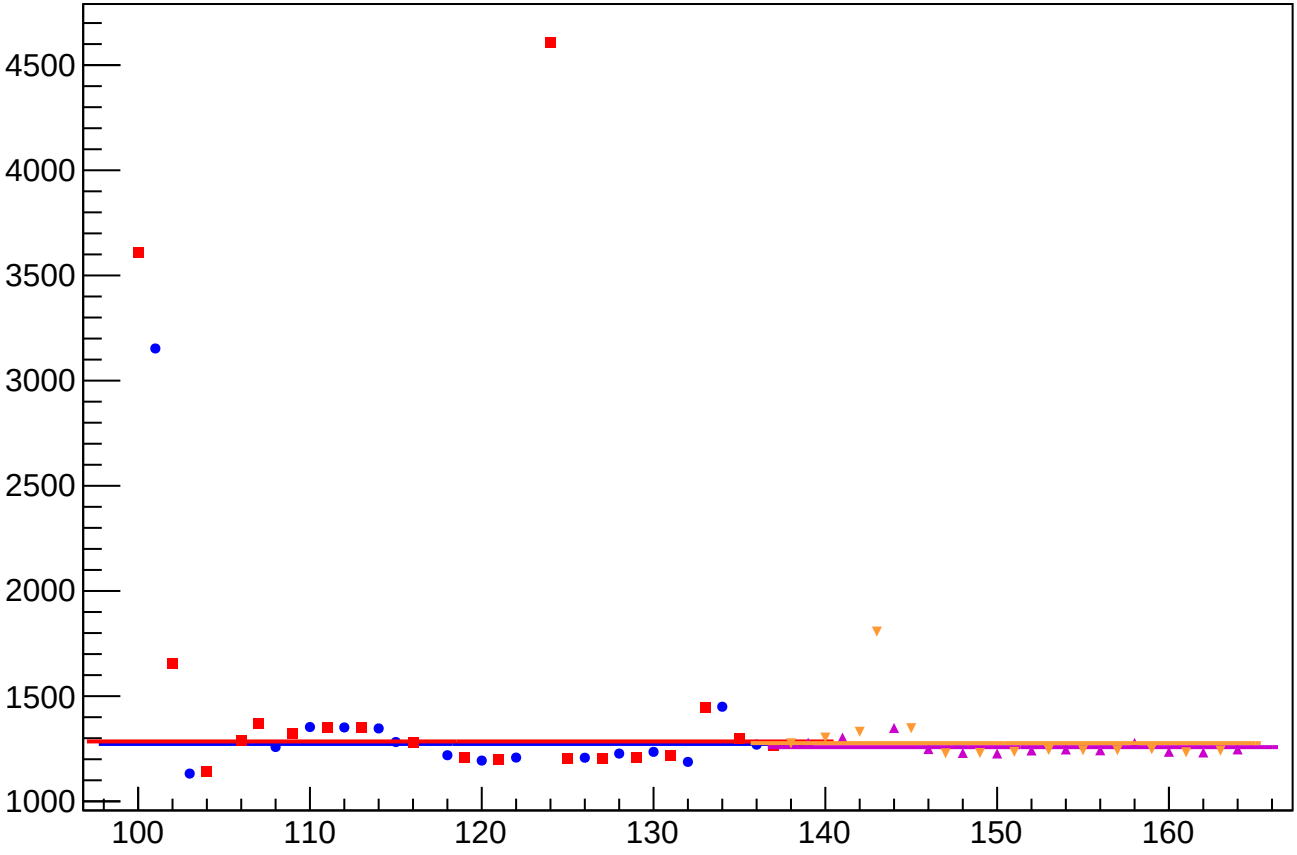
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

\+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 125.350+/-211.403 χ^2/NDF: 63.1/61

\- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

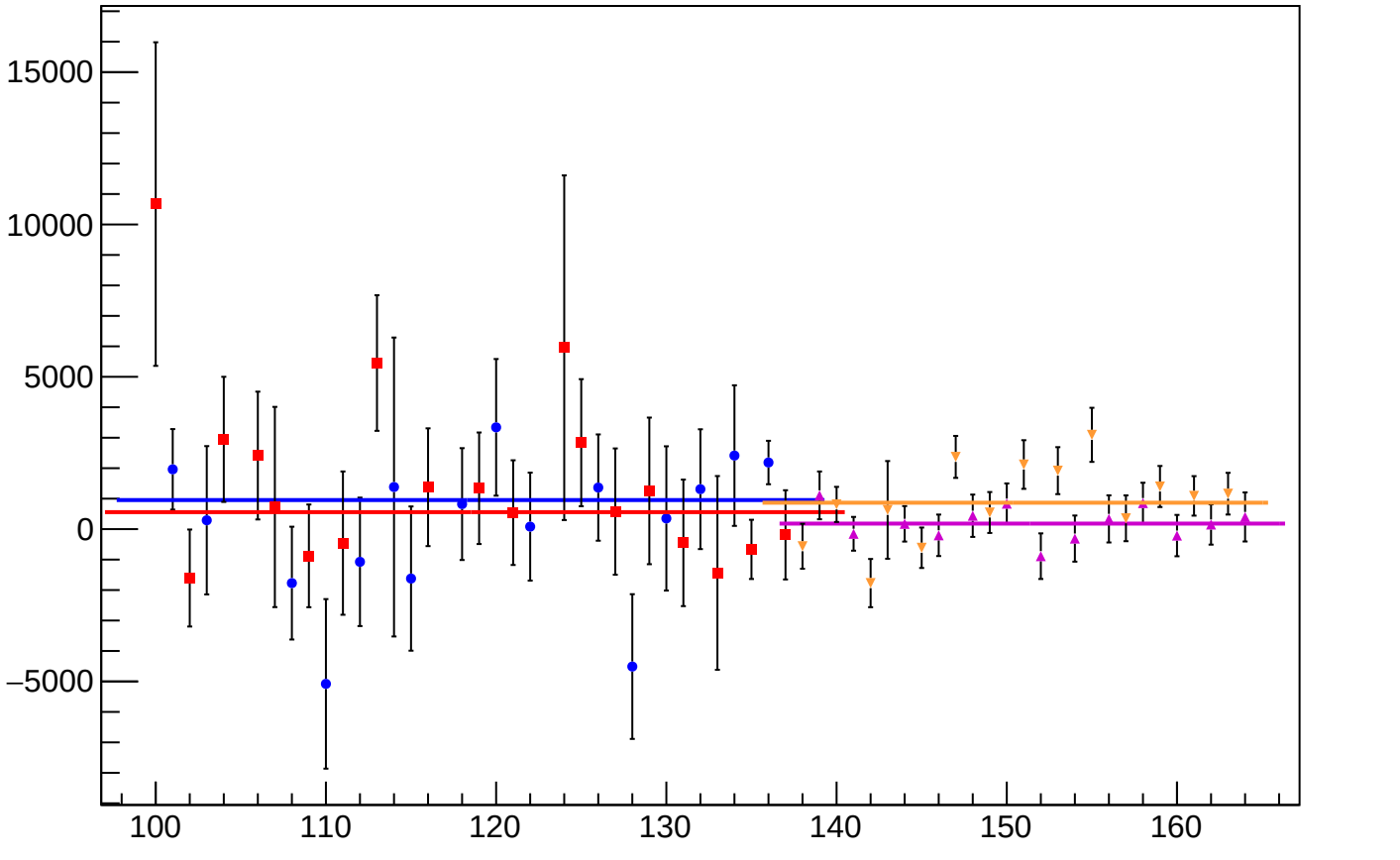
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61

- 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: 867.188+/-194.534 χ^2/NDF:36.9/13

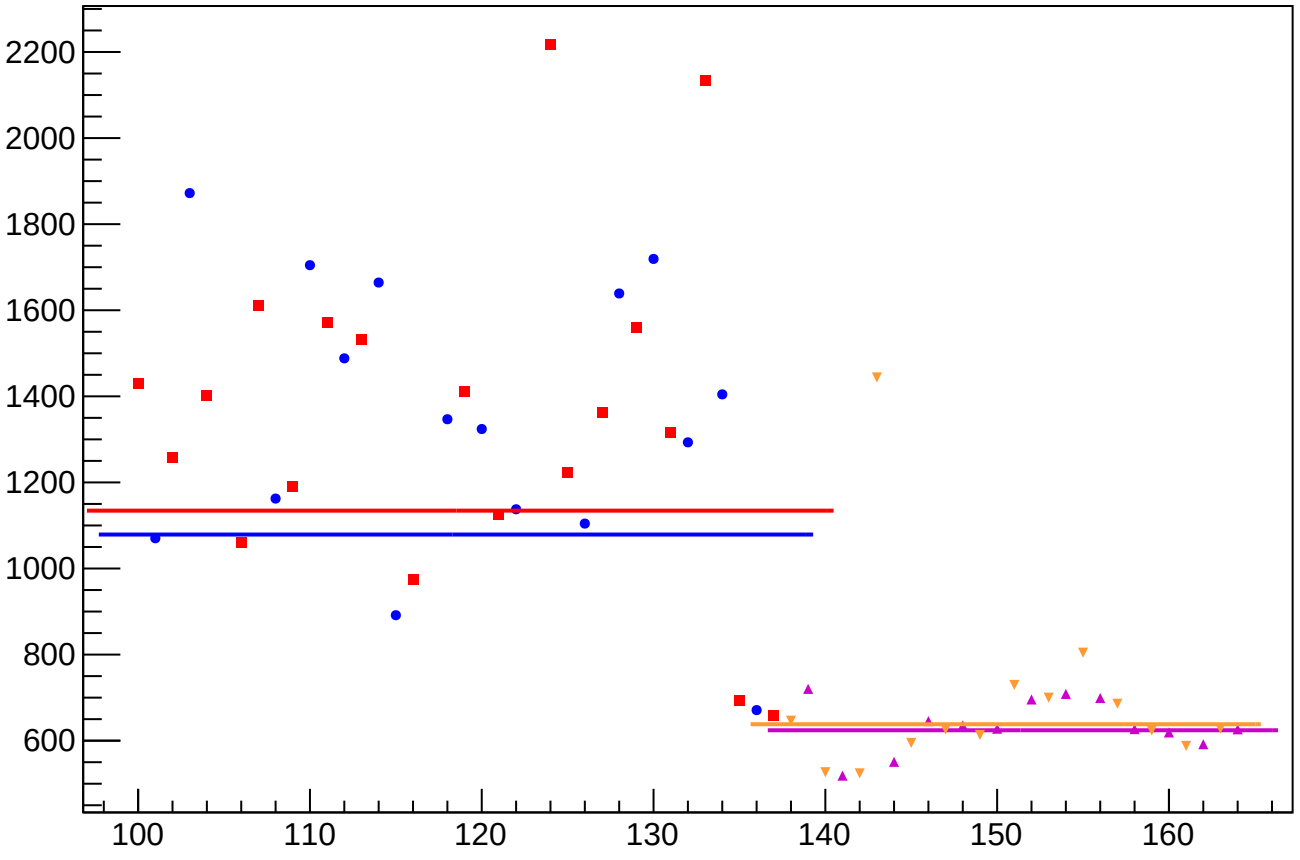
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 556.485+/-124.167 χ^2/NDF: 89.6/61

- 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: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

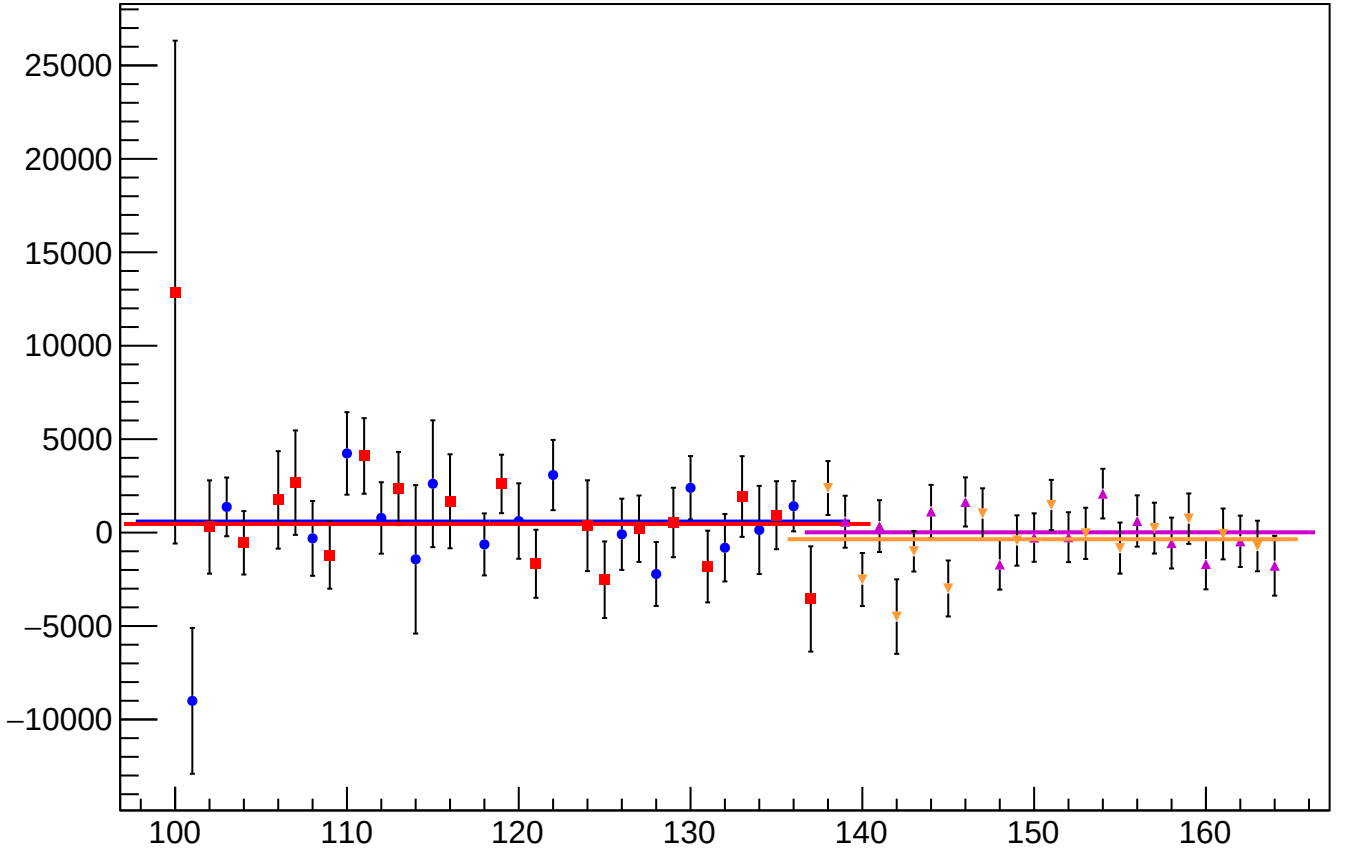
Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

\+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61

\- 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: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

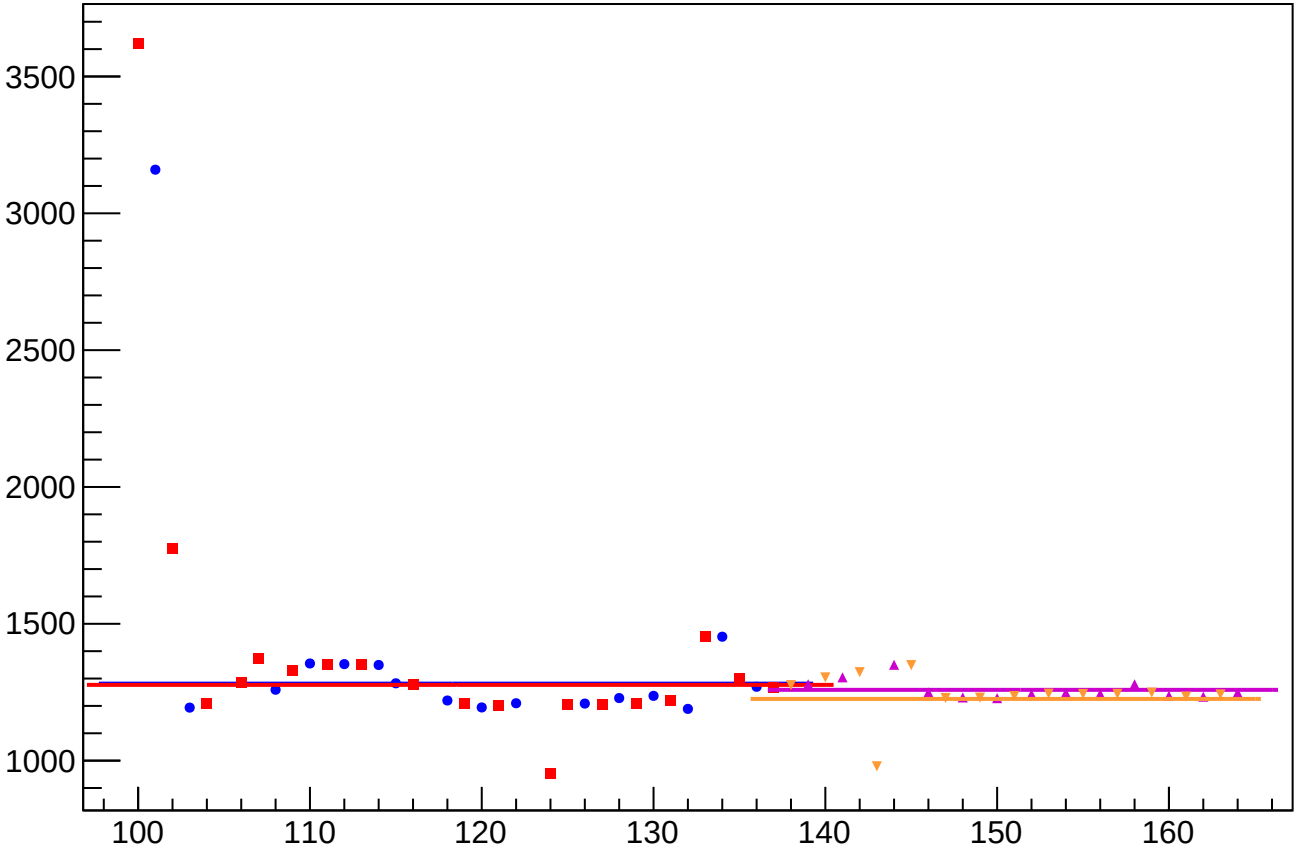
Left In: 13.991+/-380.144 χ^2/NDF:9.8/12

+ sign -10.863+/-292.782 χ^2/NDF: 37.2/29

All: 87.233+/-208.585 χ^2/NDF: 64.5/61

- 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: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

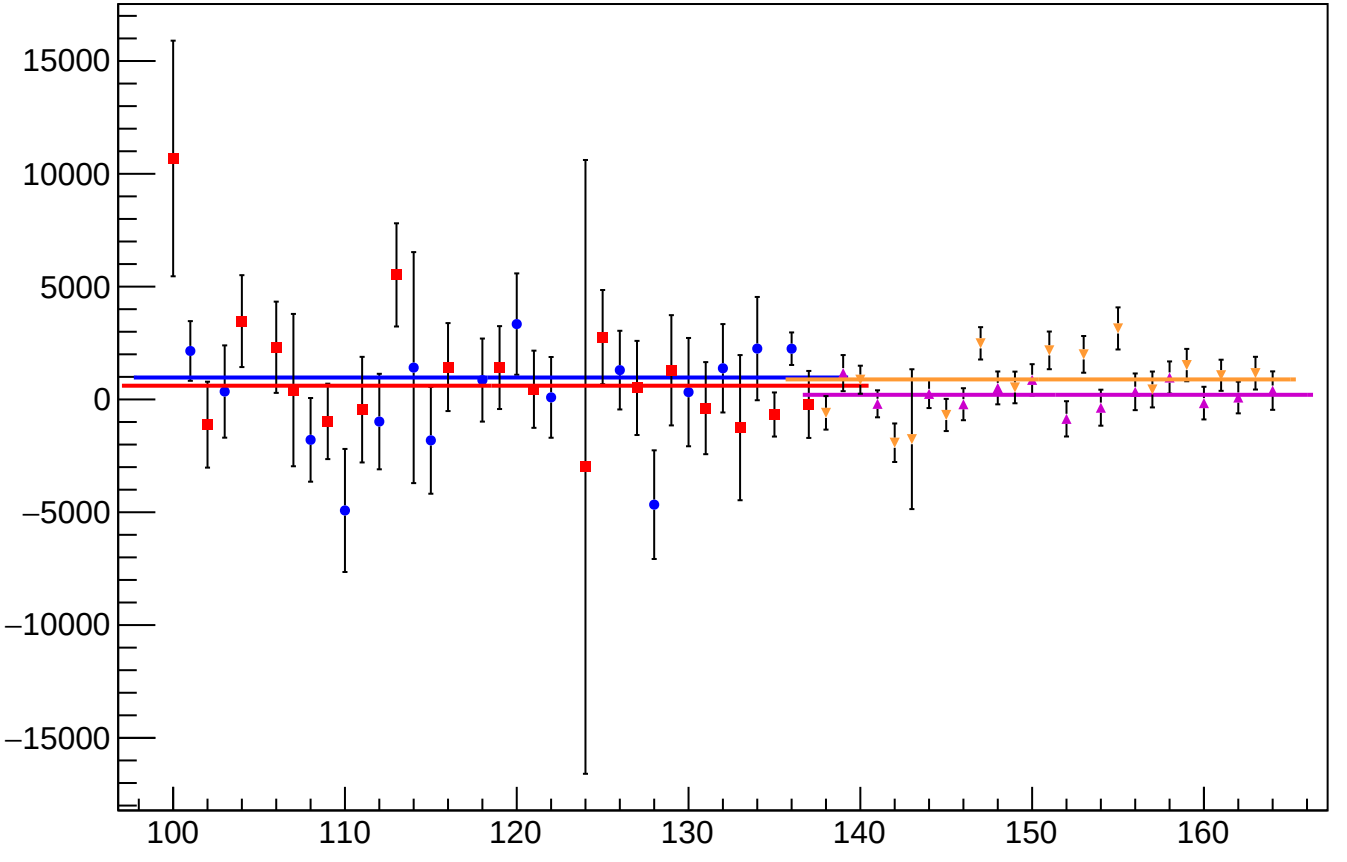
Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

+ sign 1245.837+/-0.207 χ^2/NDF: 656376.5/29

All: 1255.647+/-0.147 χ^2/NDF: 898520.1/61

- sign 1265.757+/-0.210 χ^2/NDF: 237584.8/31

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

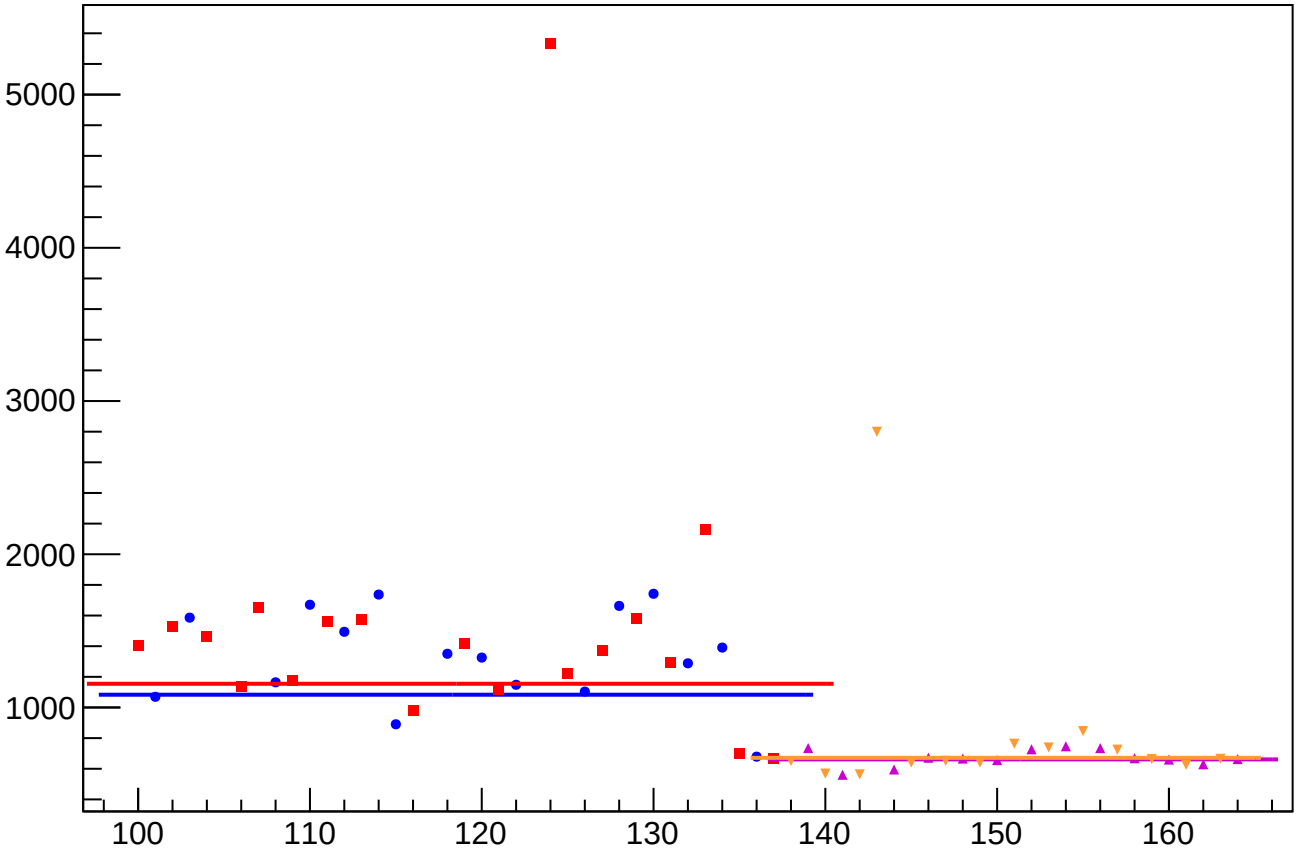
Left In: 205.452+/-200.714 χ^2/NDF:7.2/12

\+ sign 903.652+/-185.757 χ^2/NDF: 57.5/29

All: 583.814+/-130.420 χ^2/NDF: 88.4/61

\- 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: 671.408+/-0.146 χ^2/NDF:1166584.2/13

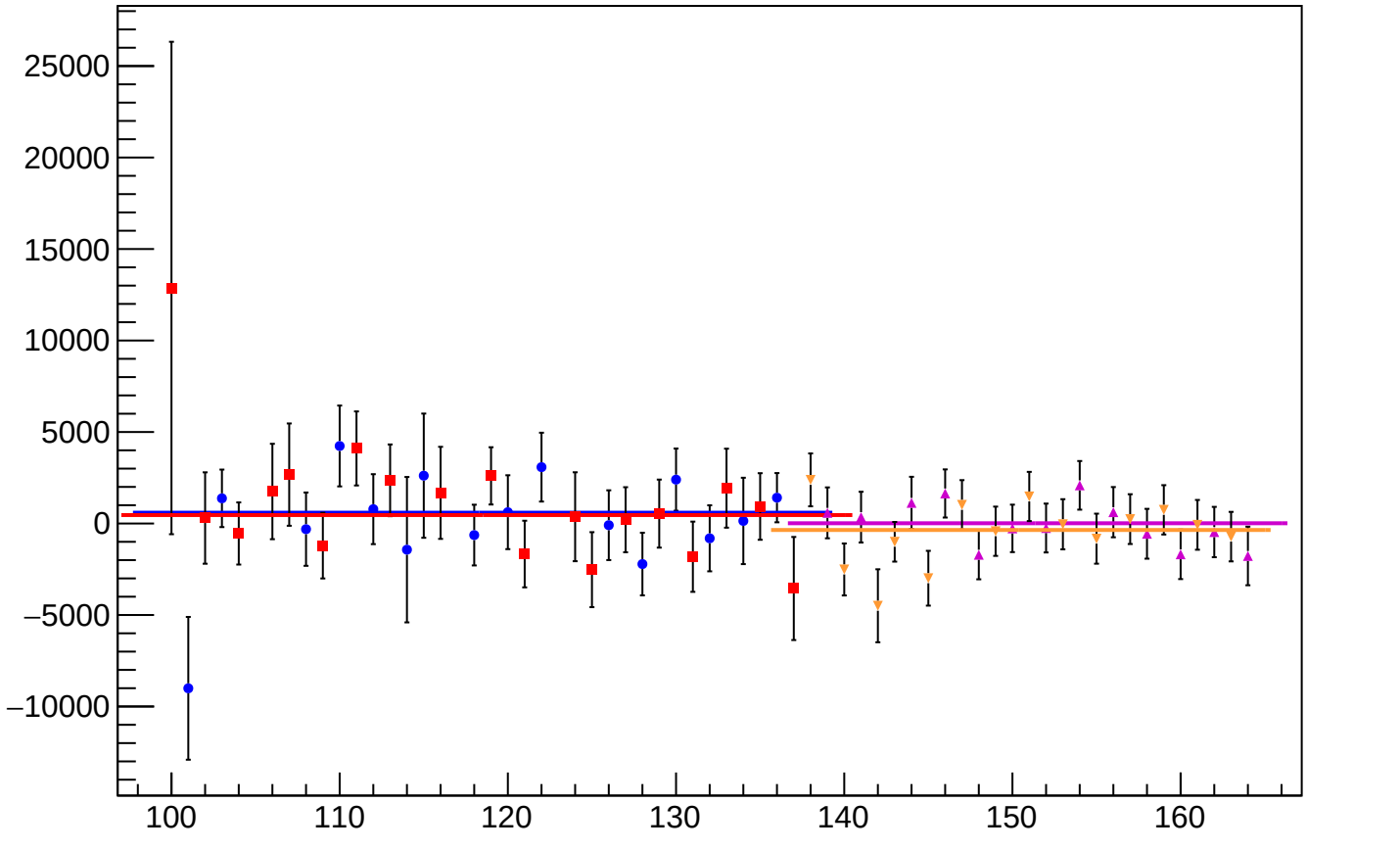
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

+ sign 750.020+/-0.131 χ^2/NDF: 4045463.3/29

All: 746.835+/-0.092 χ^2/NDF: 7712249.7/61

- sign 743.738+/-0.130 χ^2/NDF: 3665626.8/31



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

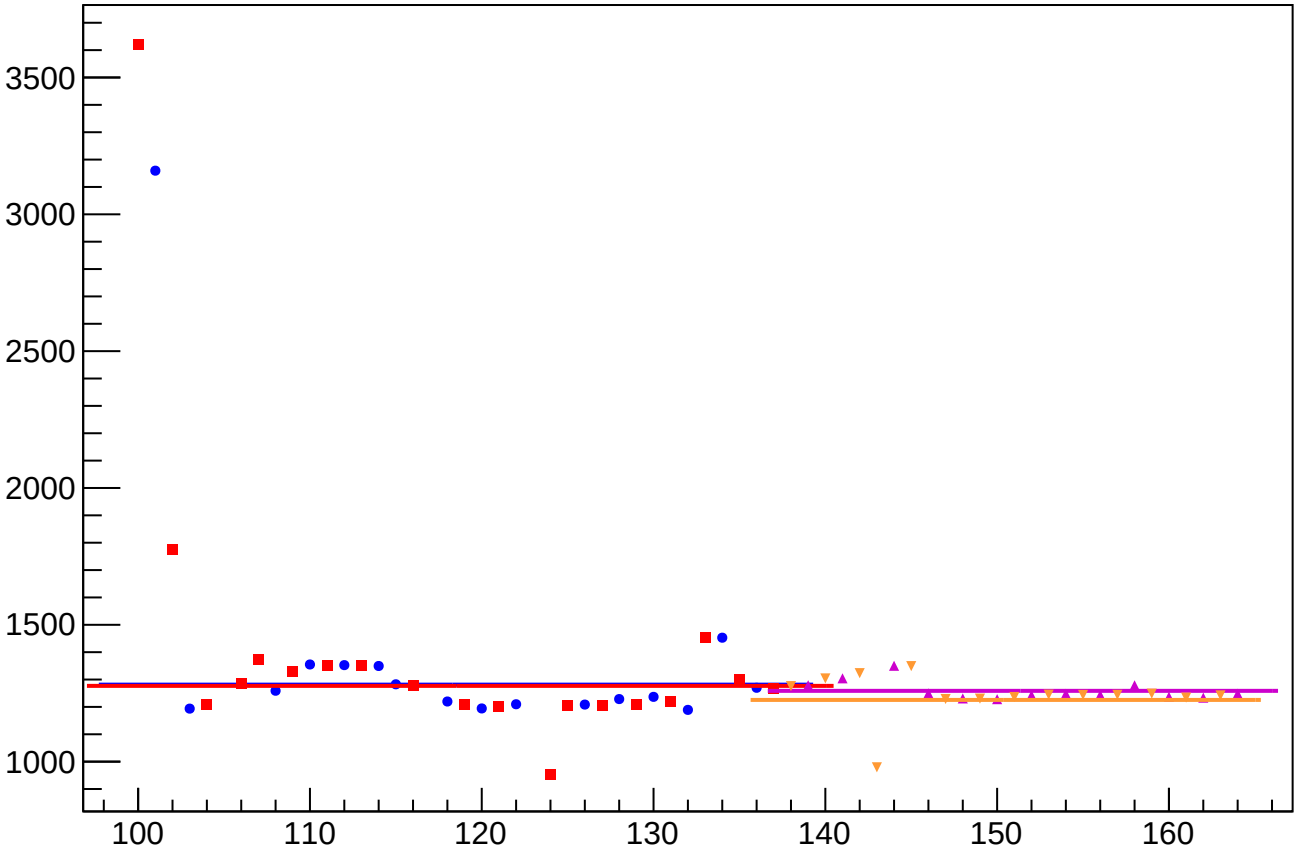
Left In: 13.990+/-380.144 χ^2/NDF:9.8/12

+ sign -10.864+/-292.782 χ^2/NDF: 37.2/29

All: 87.233+/-208.585 χ^2/NDF: 64.5/61

- 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: 1225.528+/-0.260 χ^2/NDF:132461.0/13

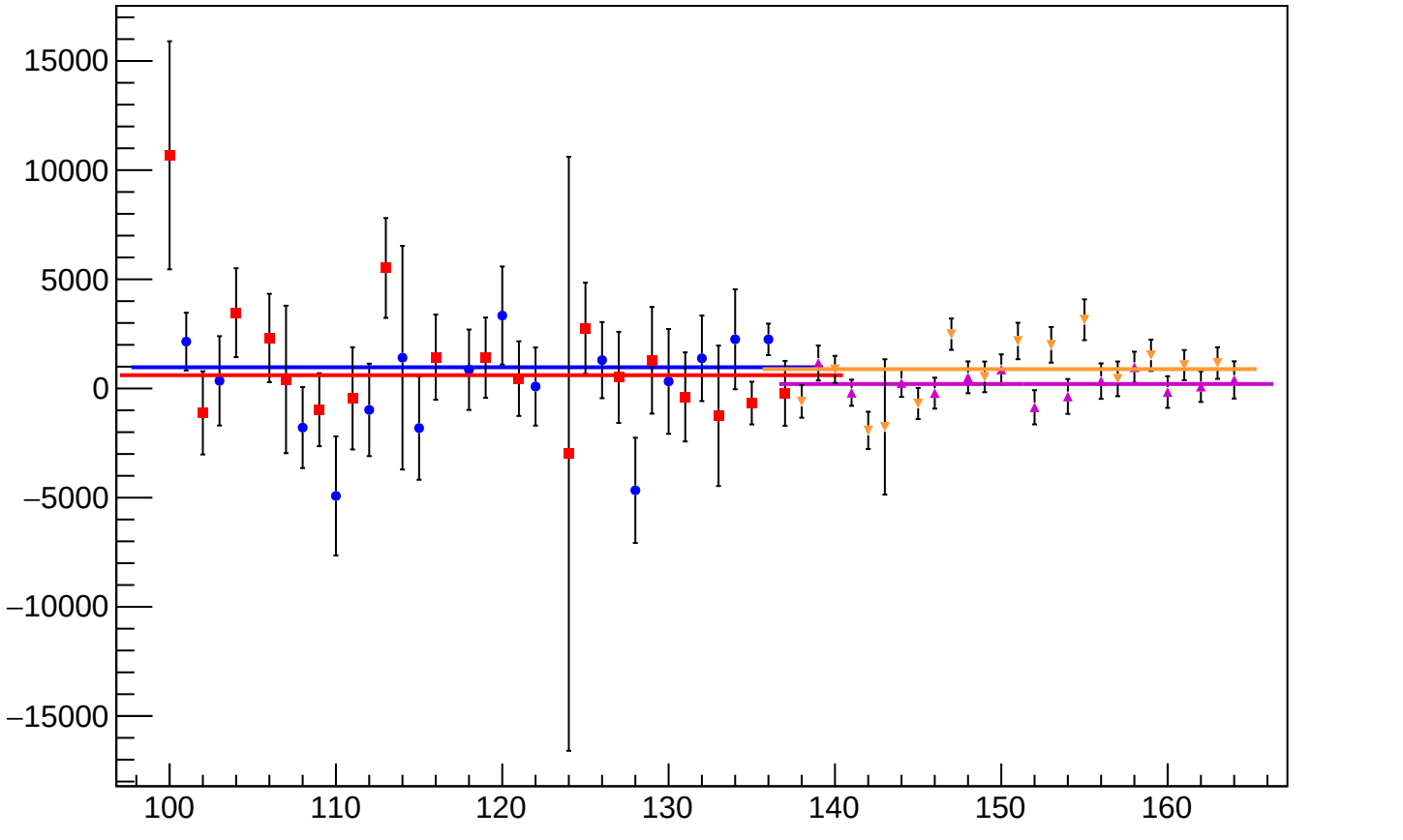
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

+ sign 1245.837+/-0.207 χ^2/NDF: 656375.8/29

All: 1255.647+/-0.147 χ^2/NDF: 898519.3/61

- 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: 887.466+/-206.504 χ^2/NDF:37.1/13

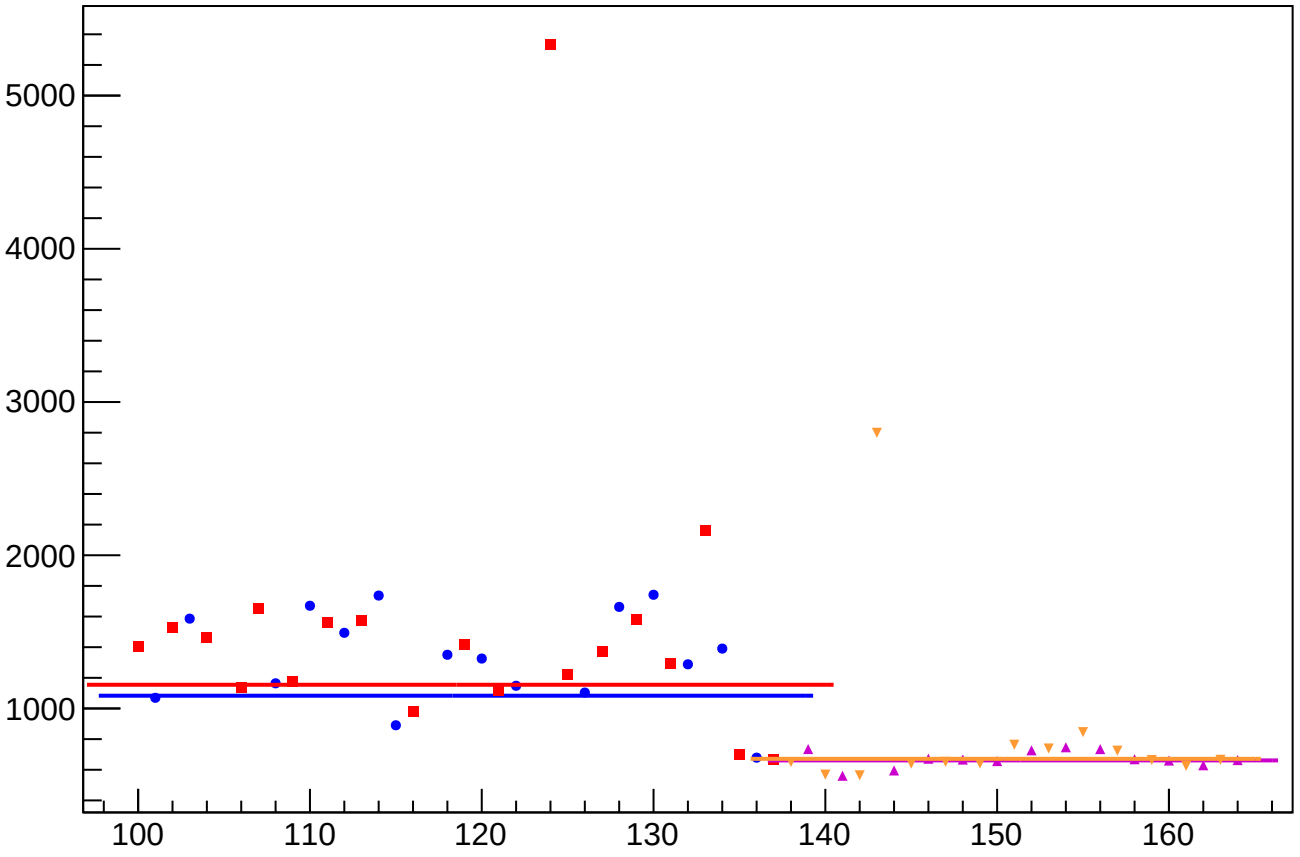
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 205.451+/-200.714 χ^2/NDF:7.2/12

+ sign 903.652+/-185.758 χ^2/NDF: 57.5/29

All: 583.814+/-130.420 χ^2/NDF: 88.4/61

- 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: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

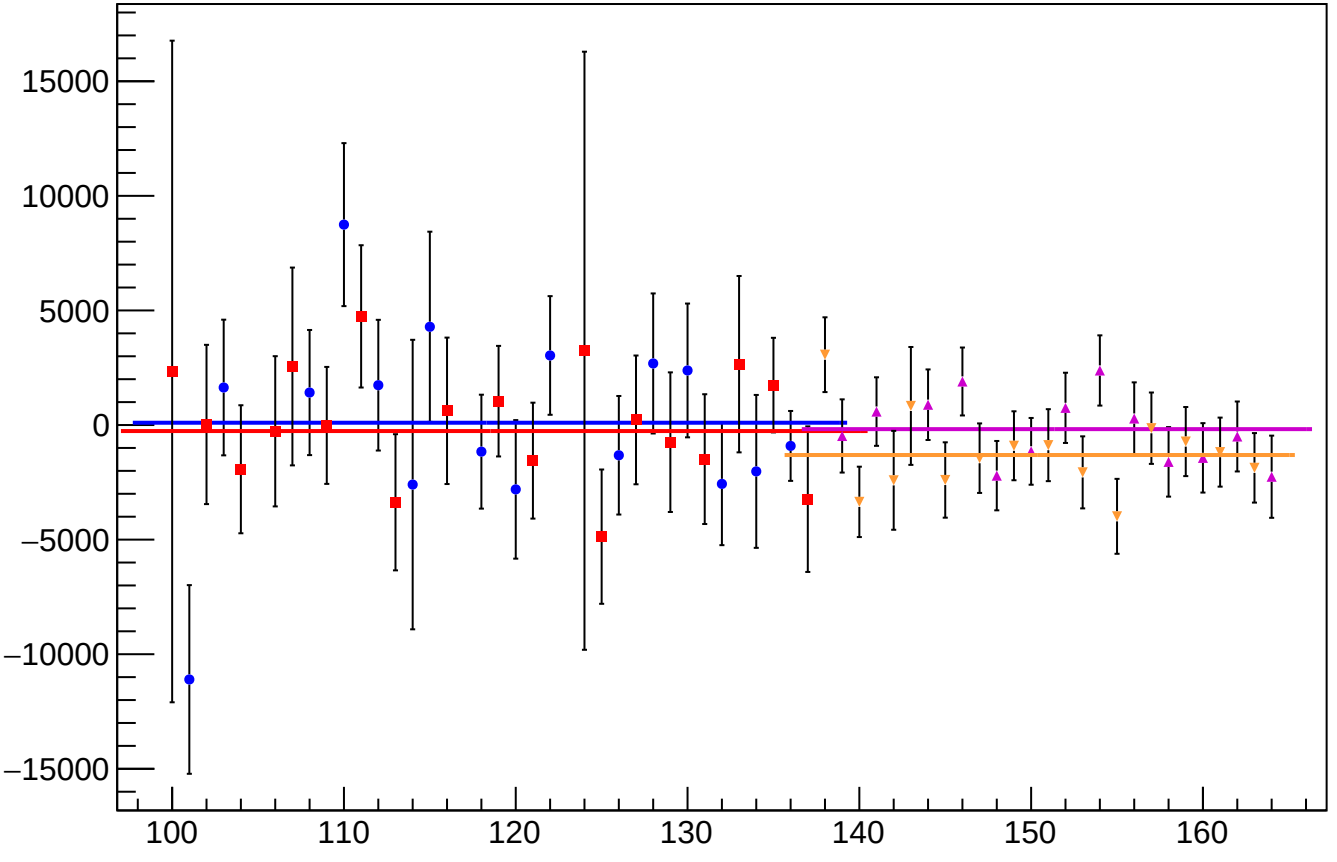
Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

+ sign 750.021+/-0.131 χ^2/NDF: 4045434.8/29

All: 746.835+/-0.092 χ^2/NDF: 7712222.2/61

- 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: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

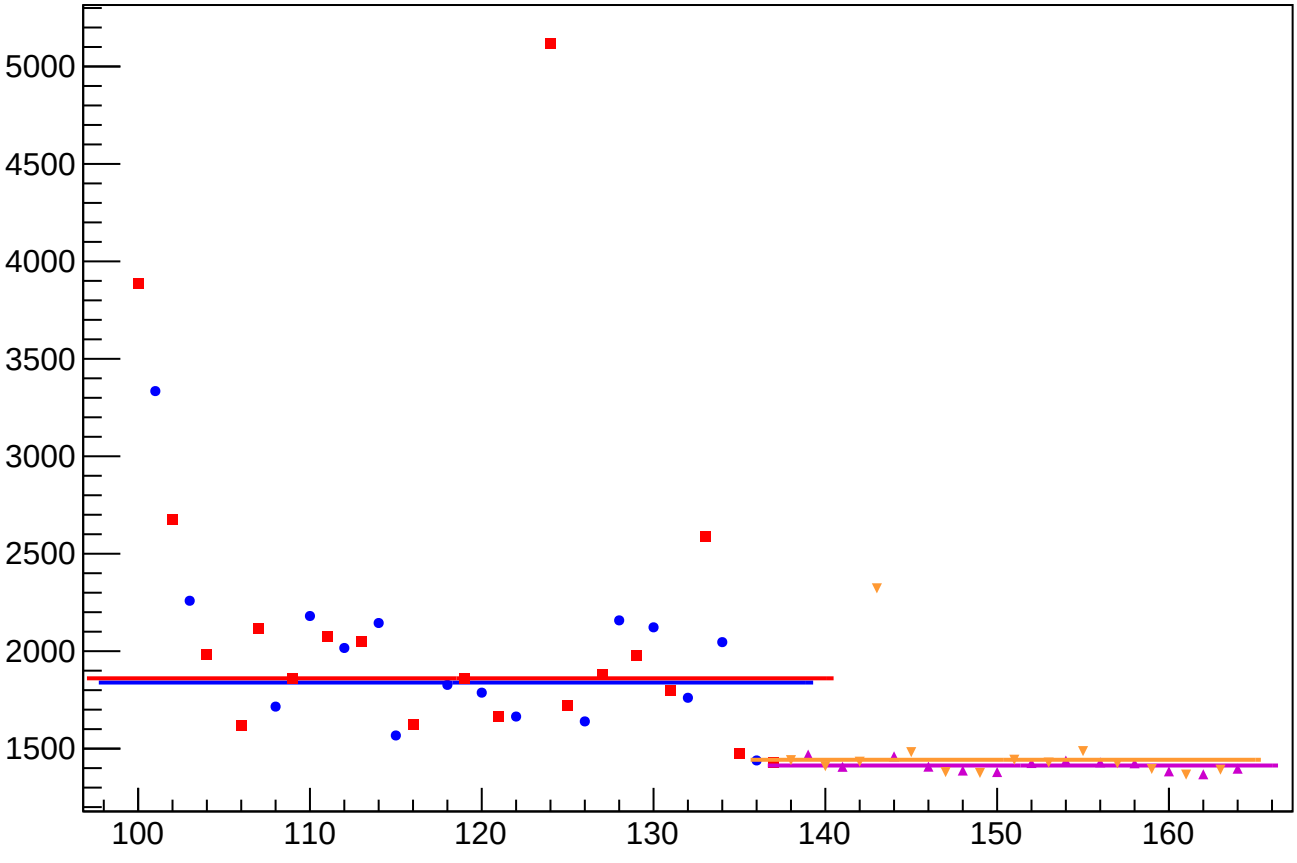
Left In: -179.186+/-426.841 χ^2/NDF:11.2/12

+ sign -917.351+/-368.304 χ^2/NDF: 38.5/29

All: -555.778+/-259.037 χ^2/NDF: 62.0/61

- 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: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

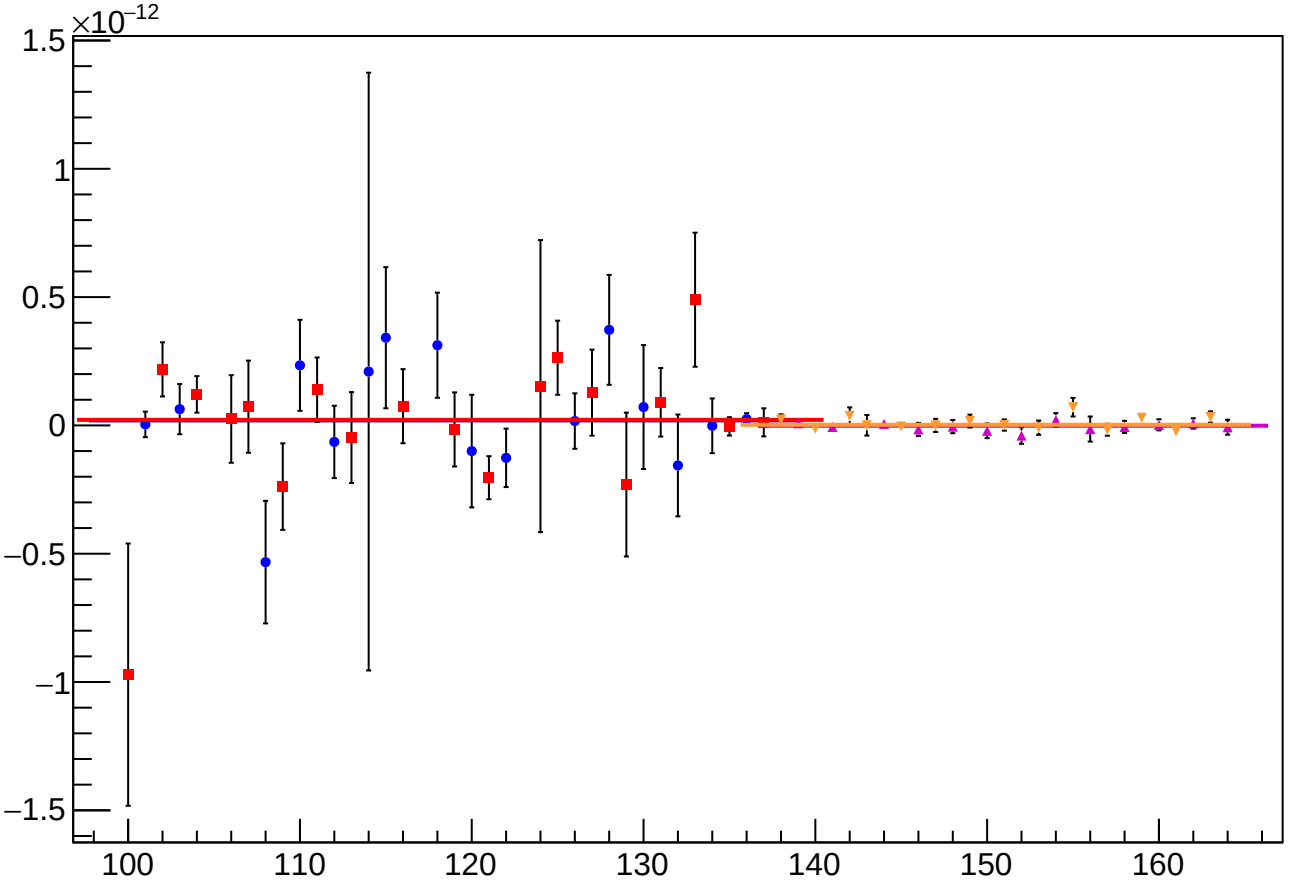
Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

\+ sign 1552.828+/-0.260 χ^2/NDF: 1275911.8/29

All: 1543.668+/-0.183 χ^2/NDF: 2406061.6/61

\- sign 1534.703+/-0.258 χ^2/NDF: 1127702.1/31

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

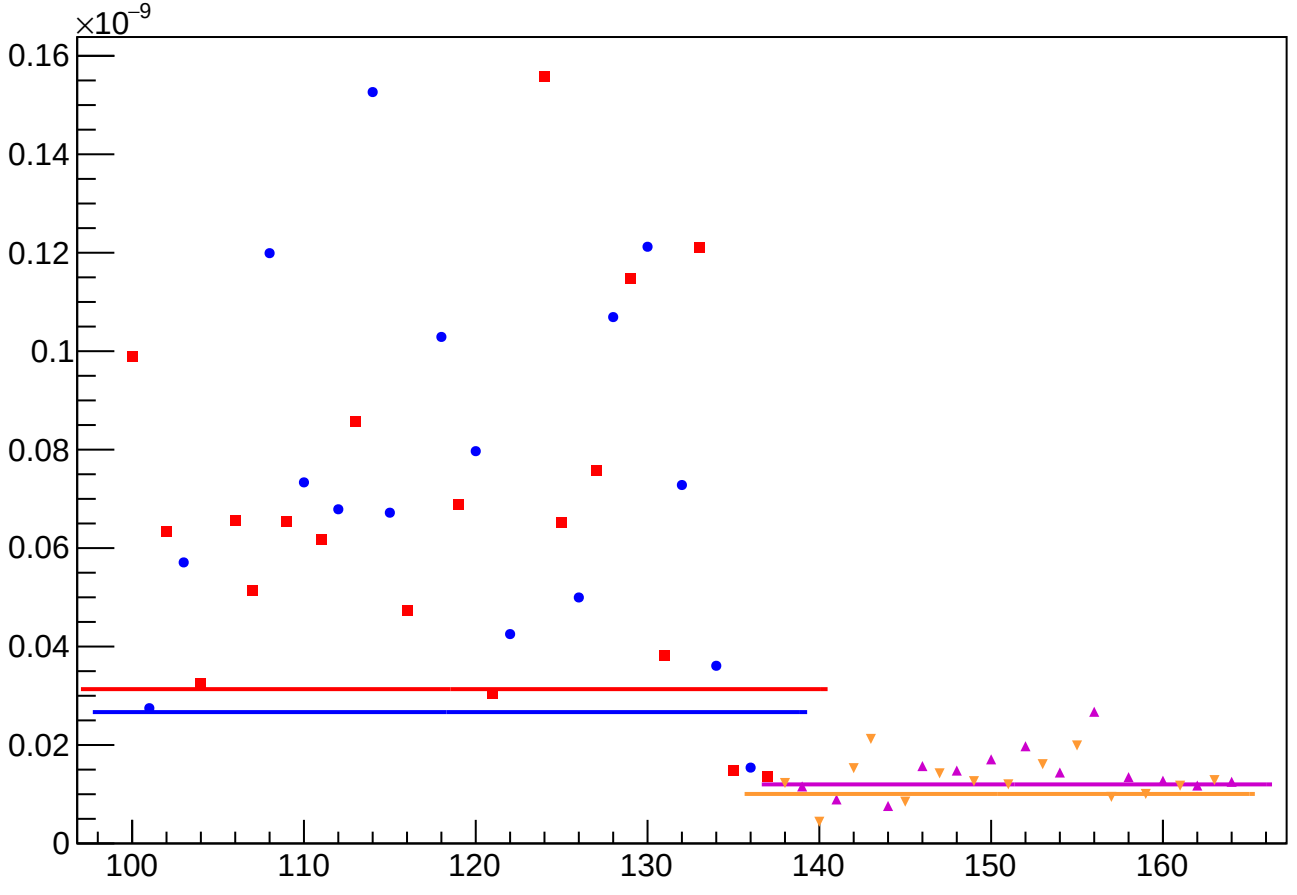
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 65.2/61

- 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:1192092.8/13

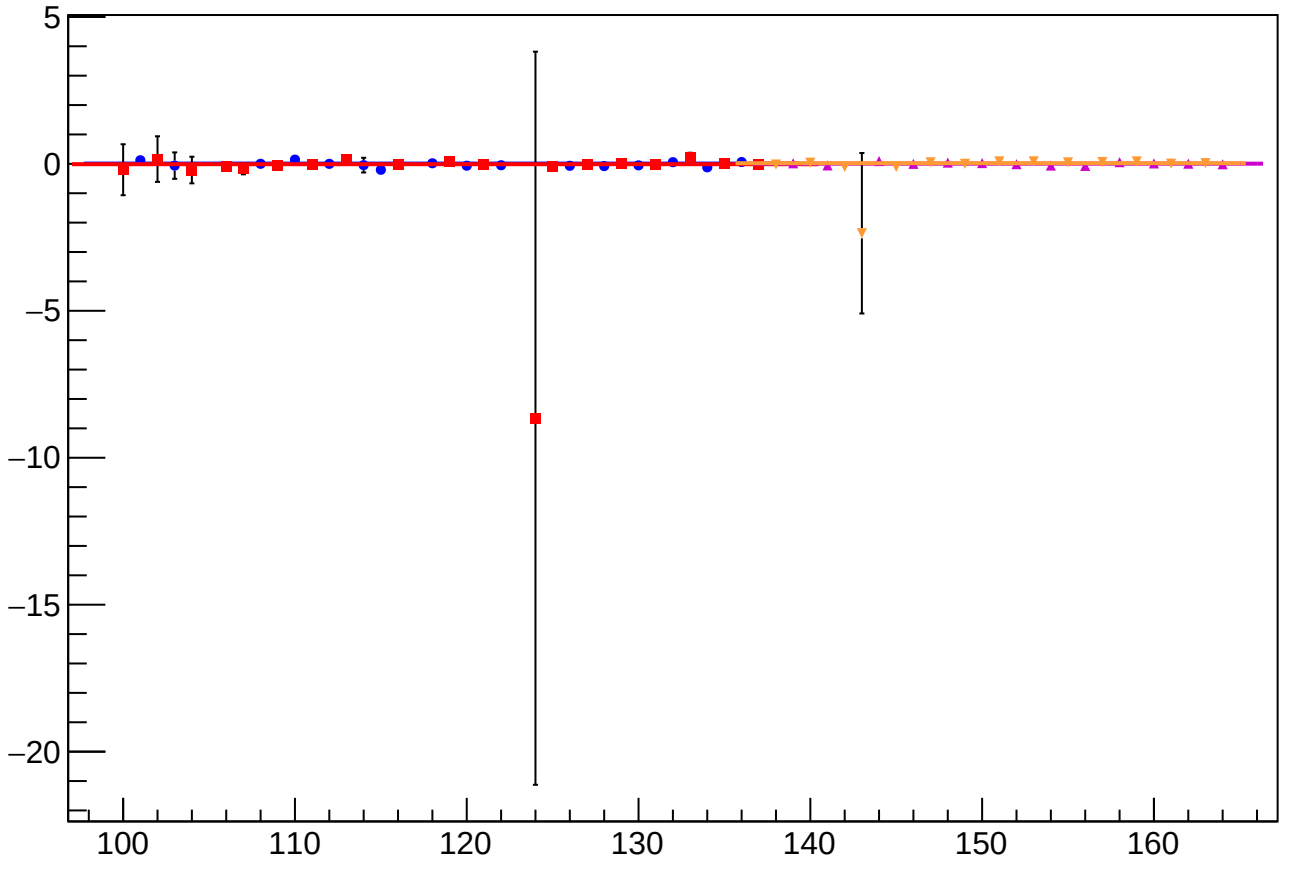
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 5215045.4/29

All: 0.000+/-0.000 χ^2/NDF: 9761557.1/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

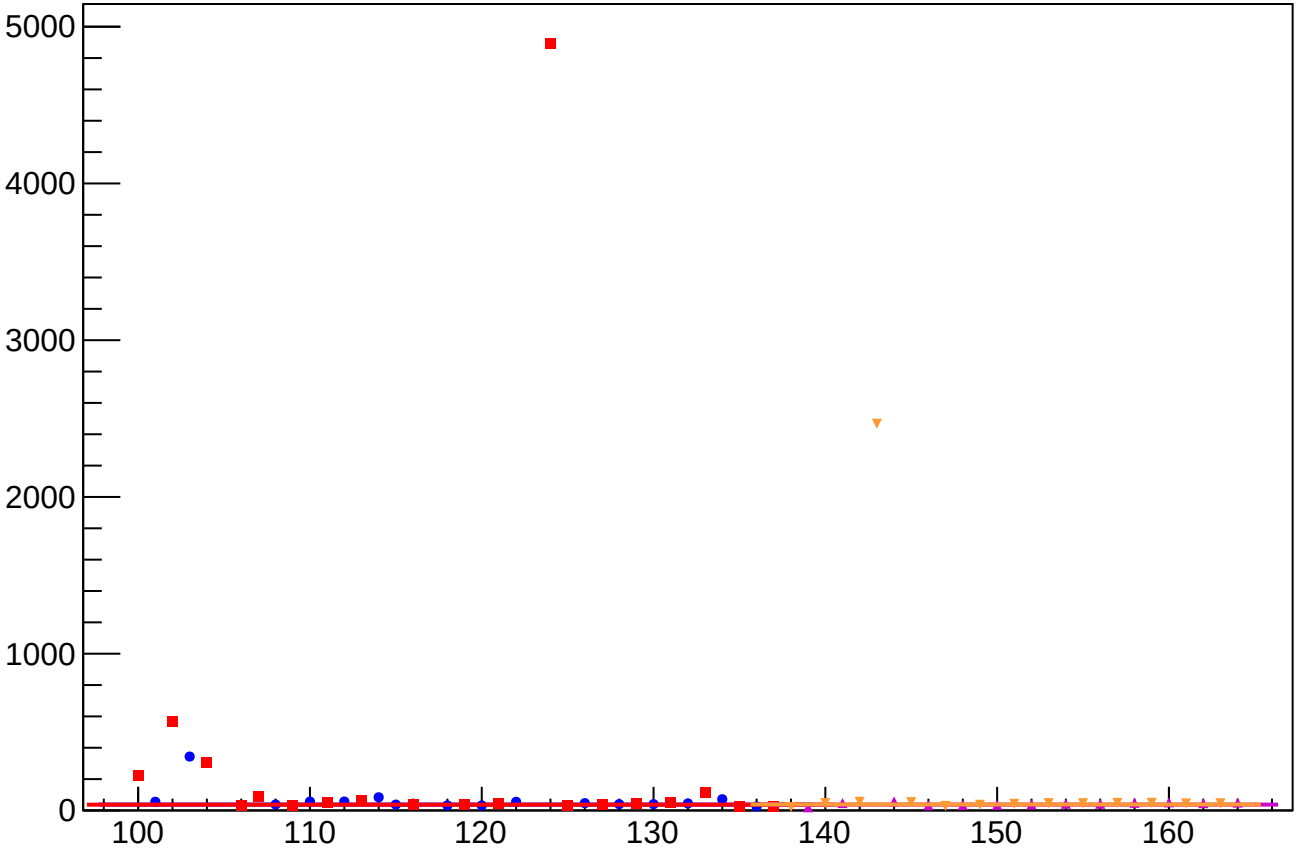
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

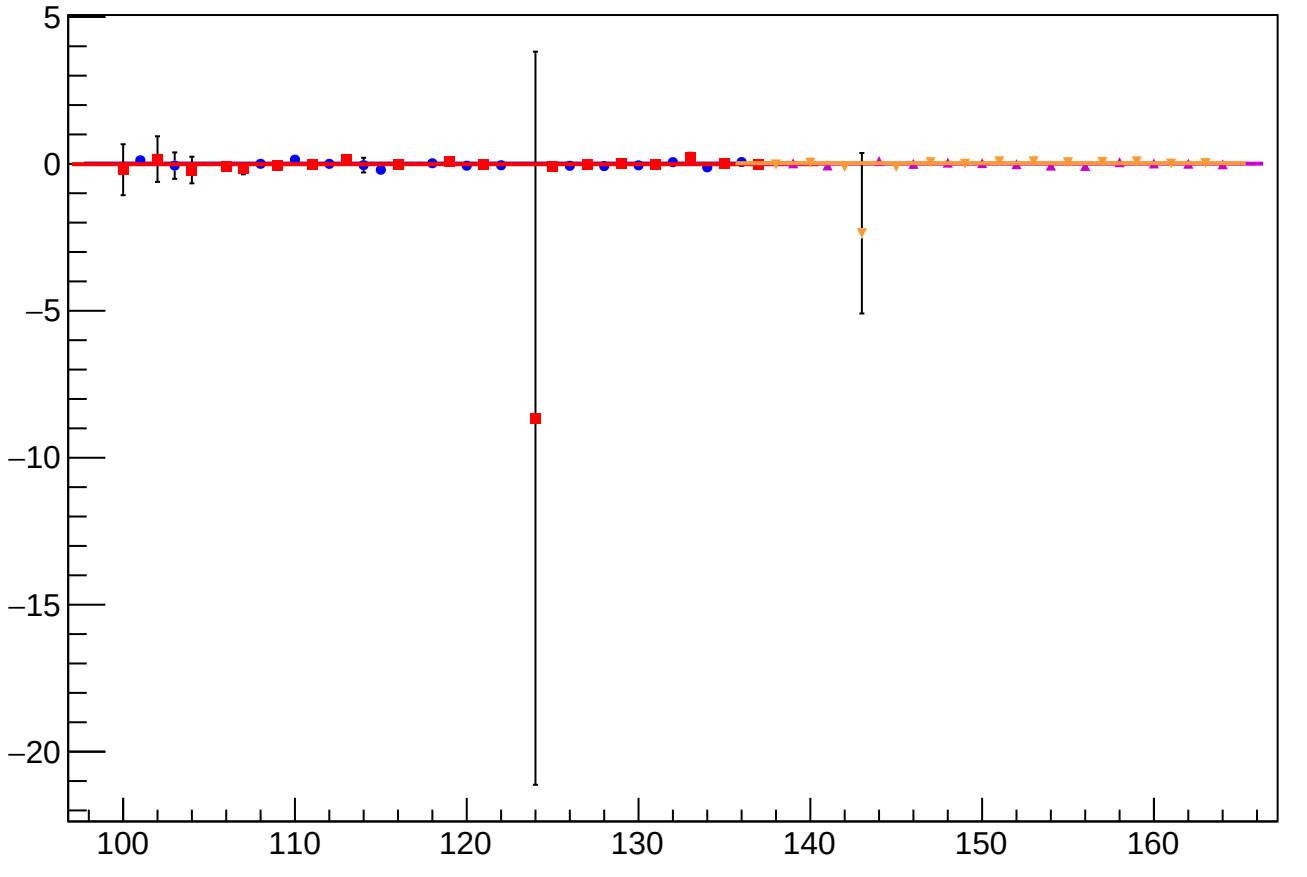
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

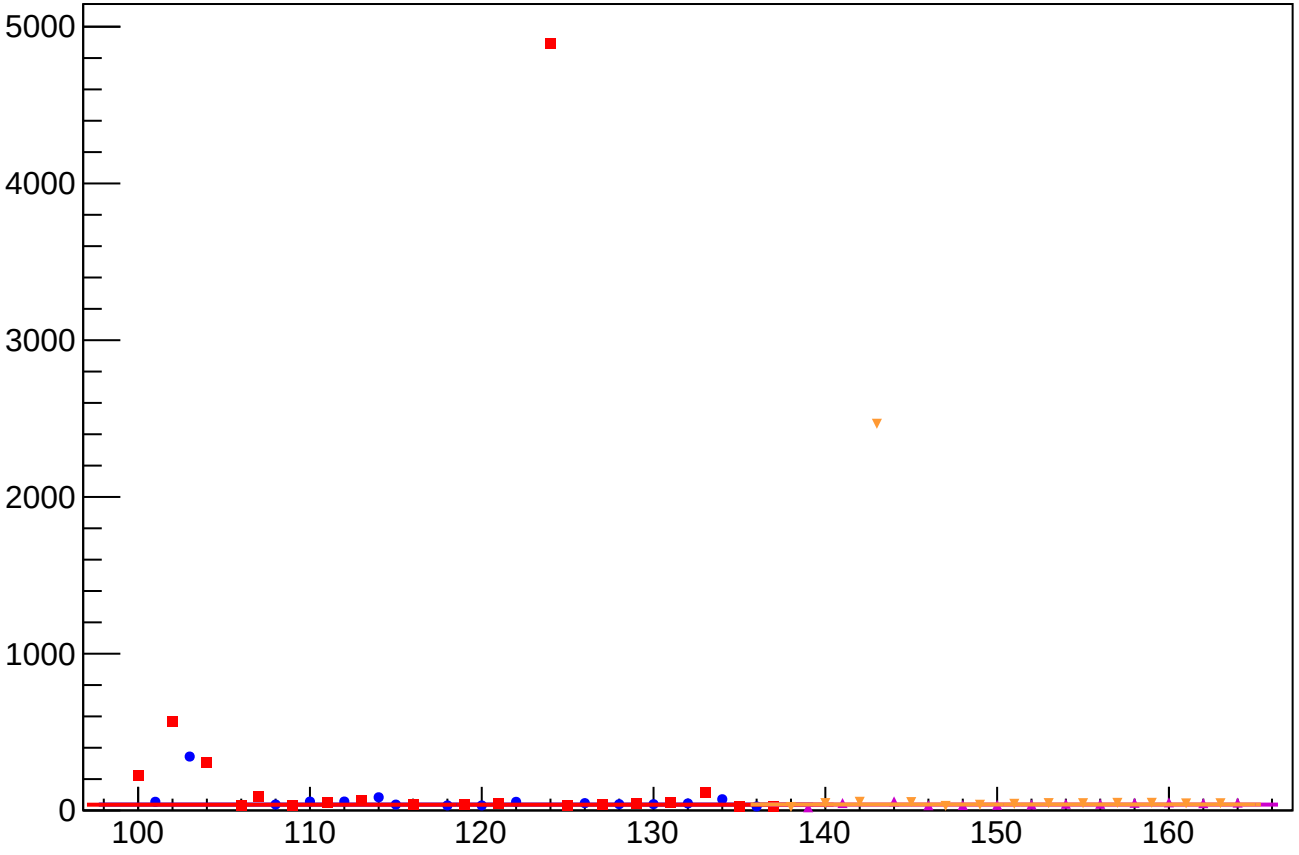
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

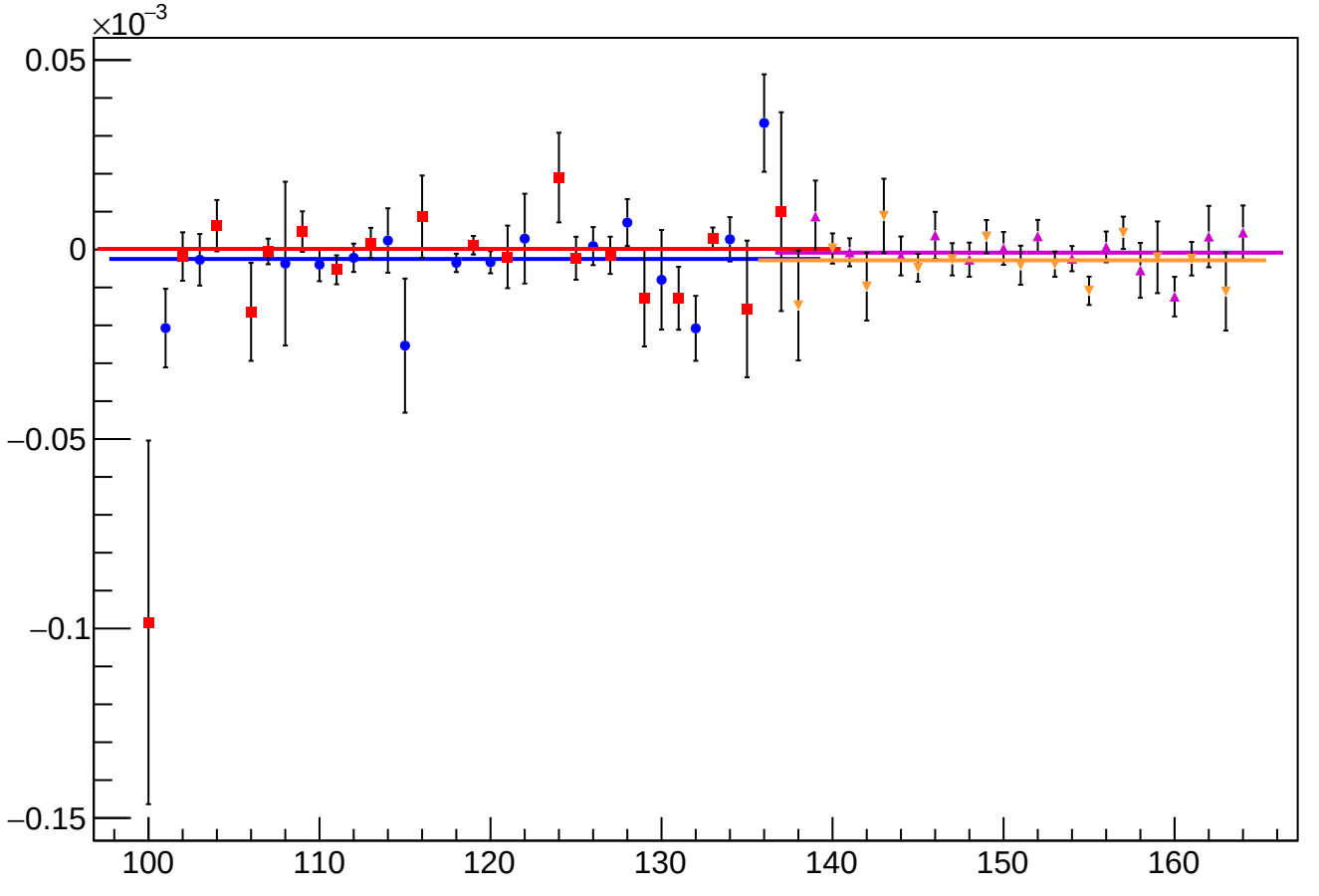
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

- 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:14.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

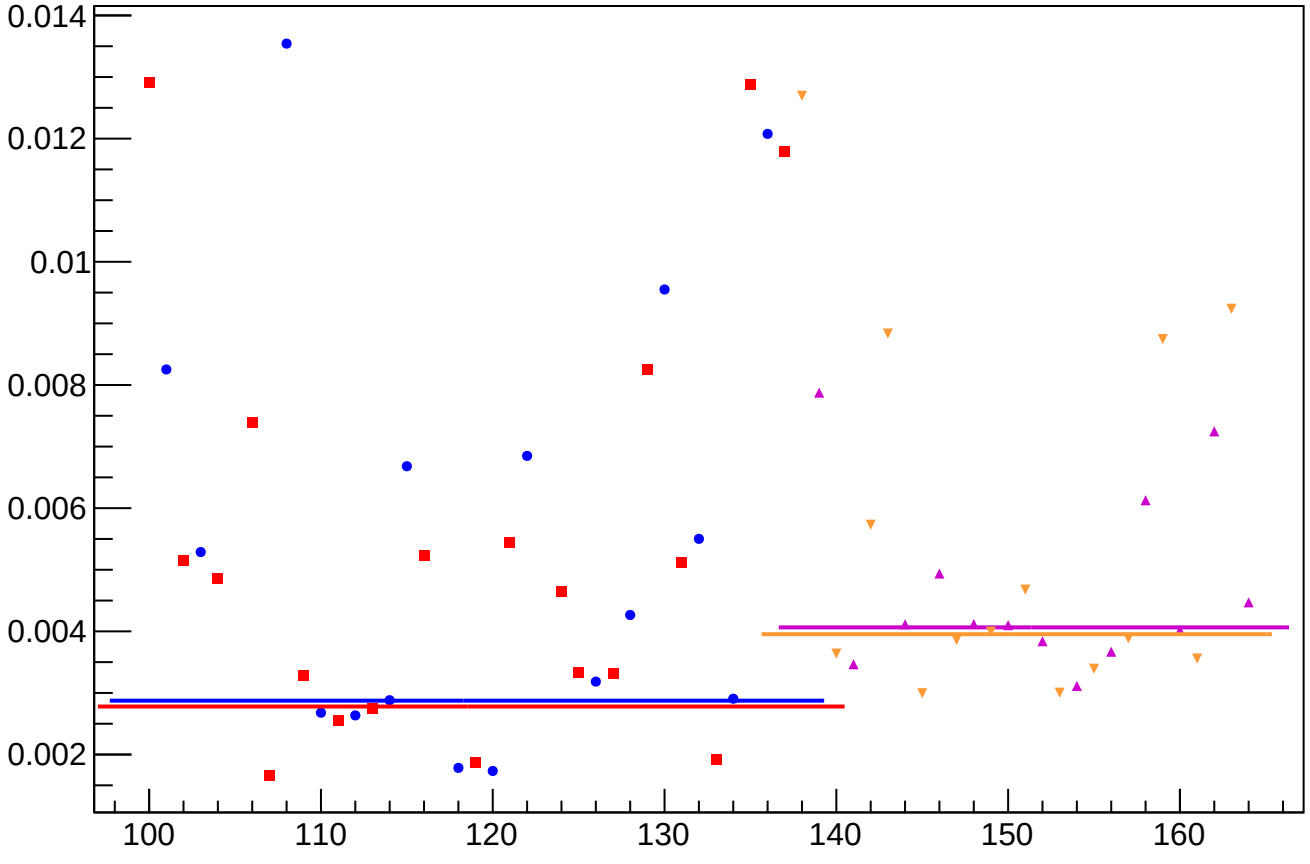
Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 68.0/61

- sign -0.000+/-0.000 χ^2/NDF: 28.5/31

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

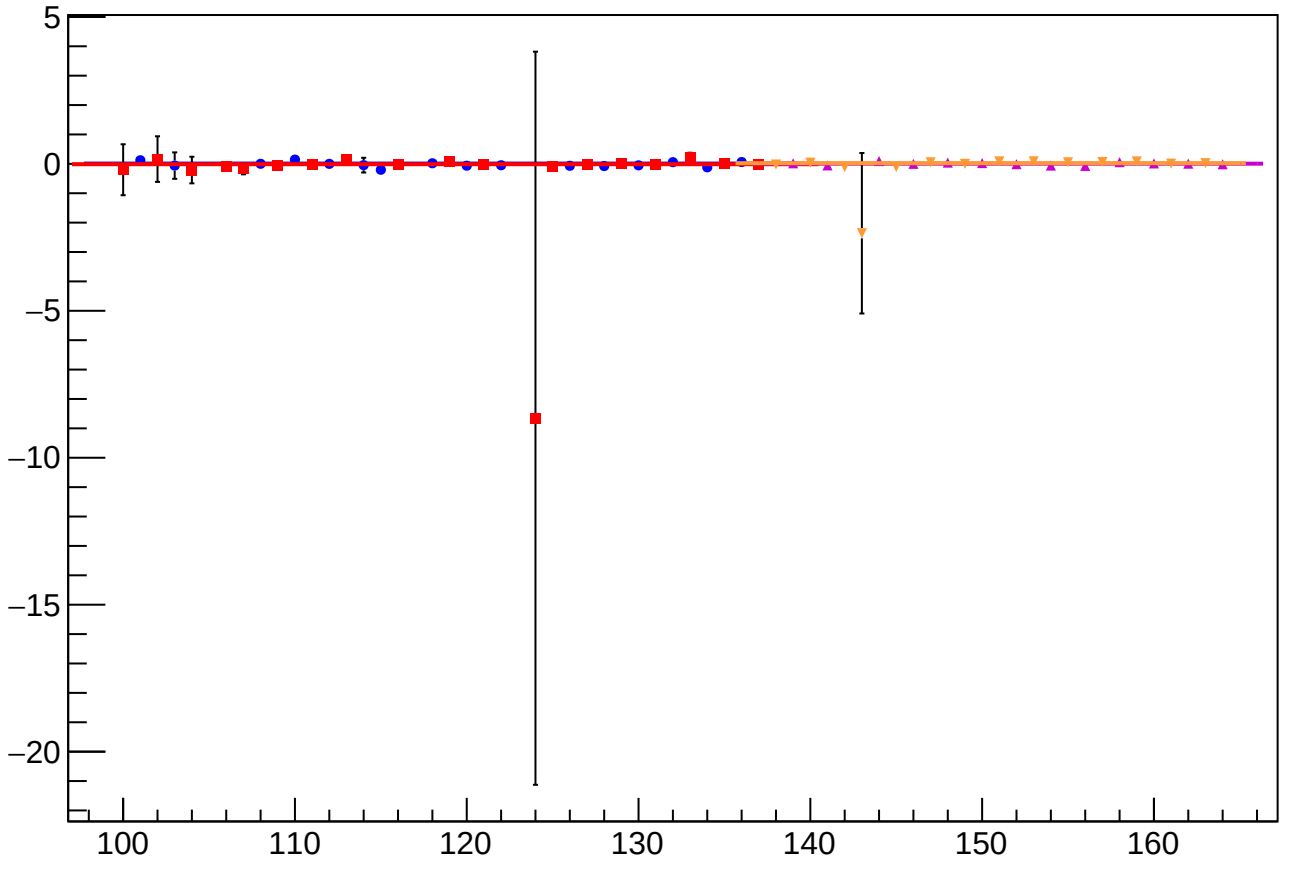
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

+ sign 0.003+/-0.000 χ^2/NDF: 7601257.2/29

All: 0.003+/-0.000 χ^2/NDF: 13036319.8/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

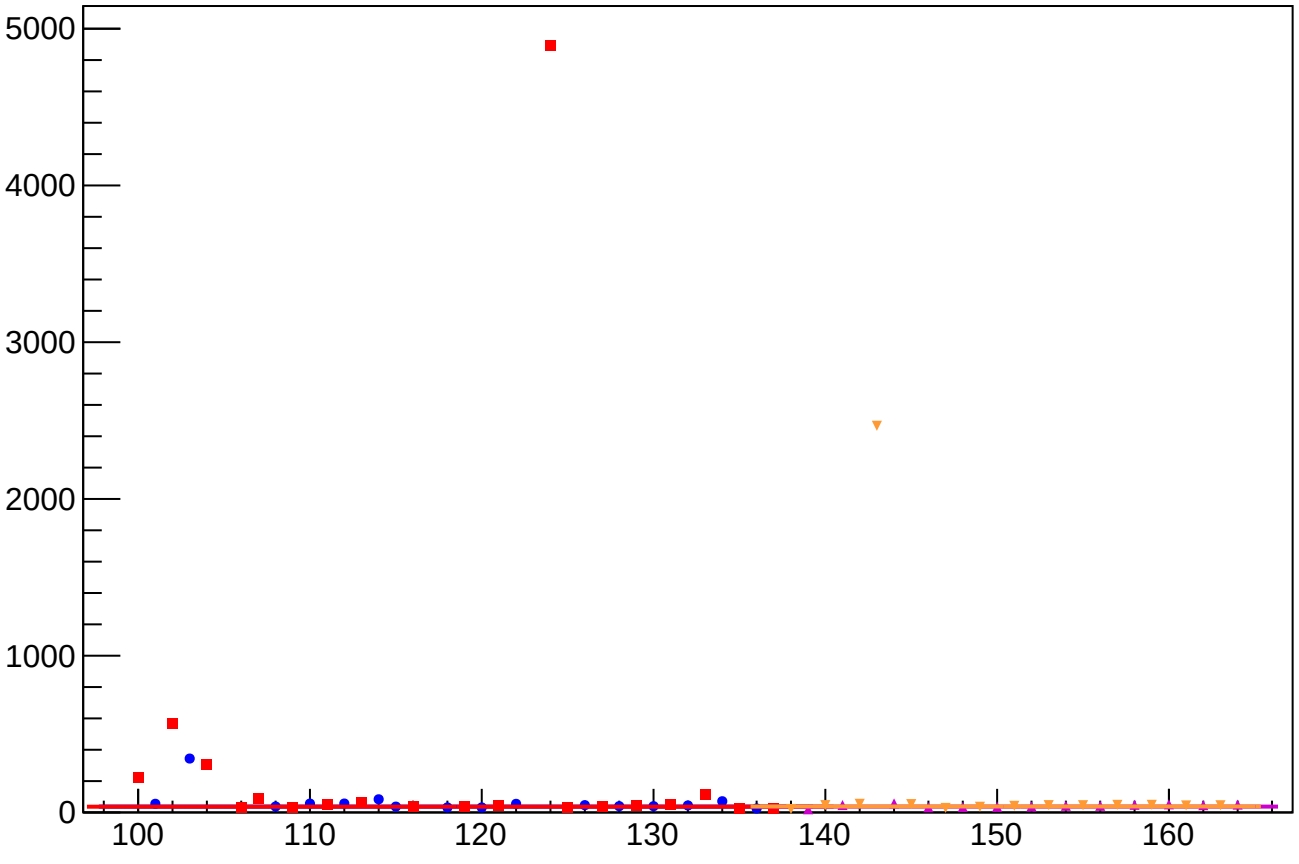
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

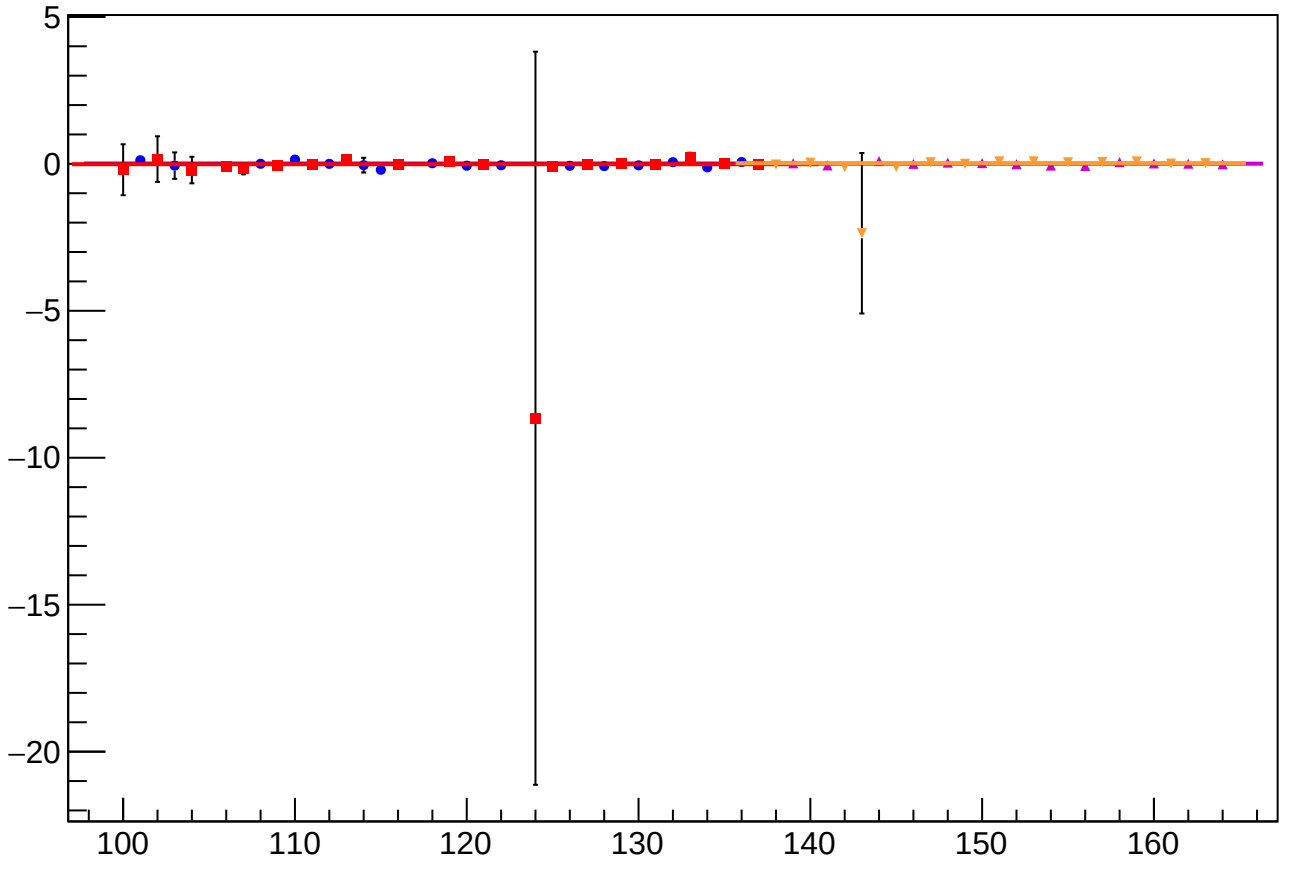
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

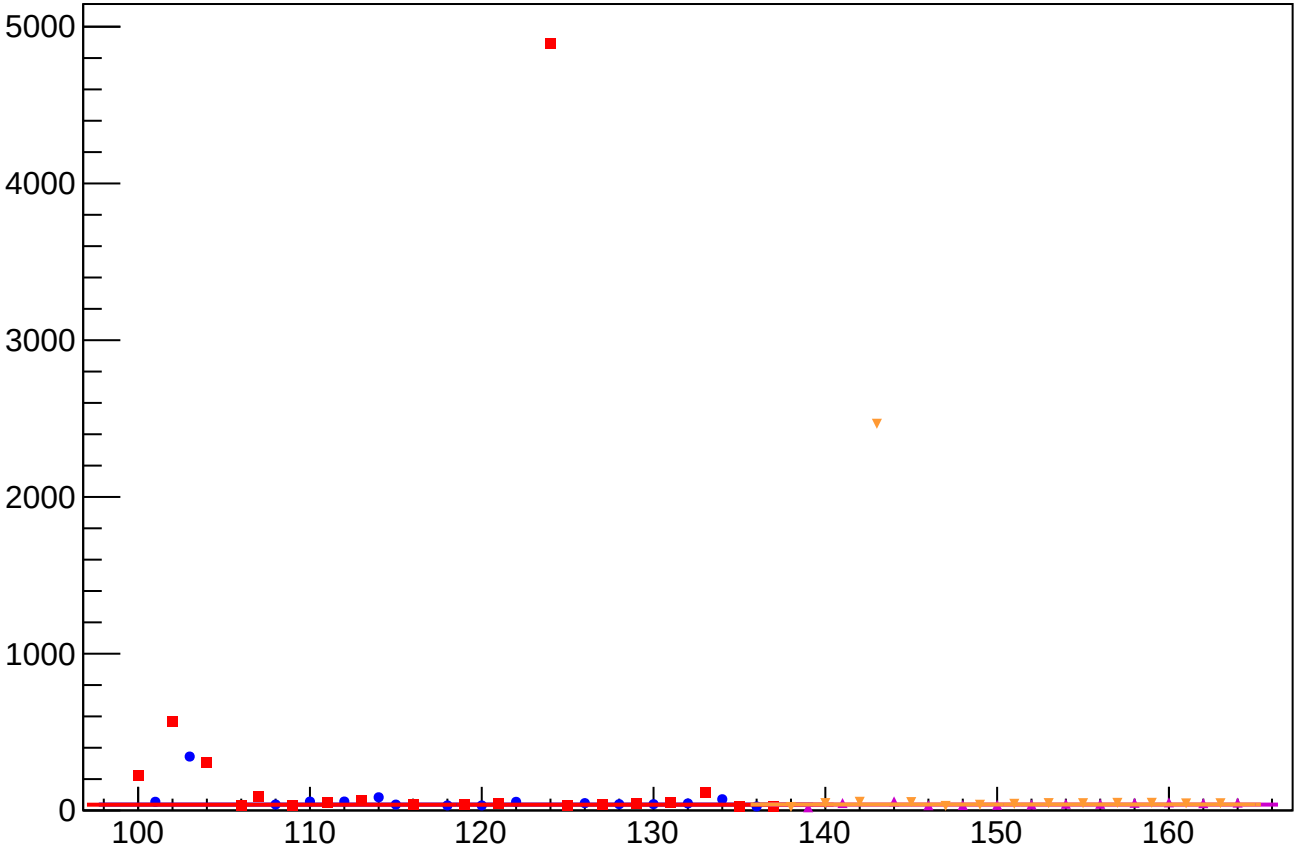
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 38.277+/-0.009 χ^2/NDF:2954726.6/13

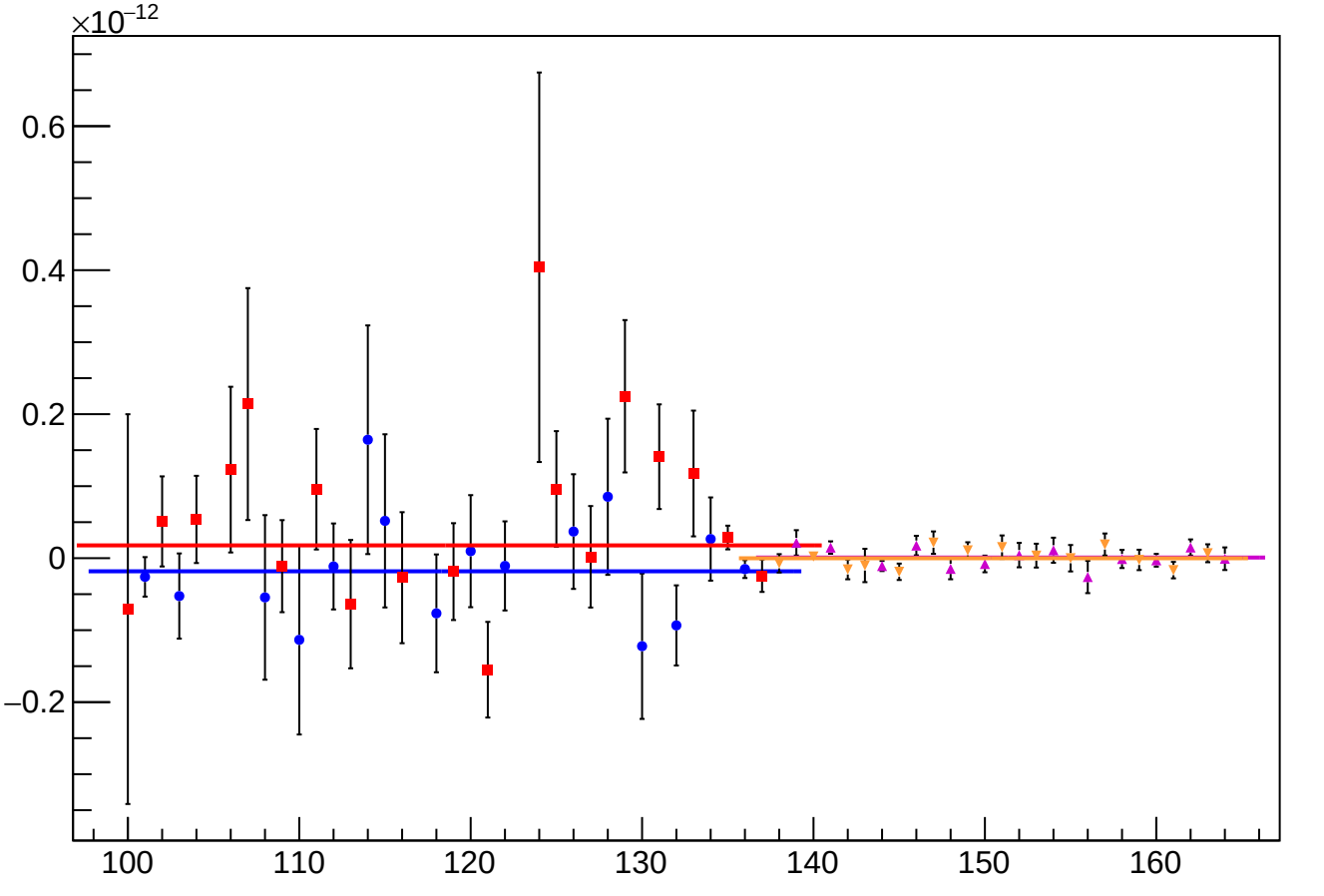
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

- 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:12.4/13

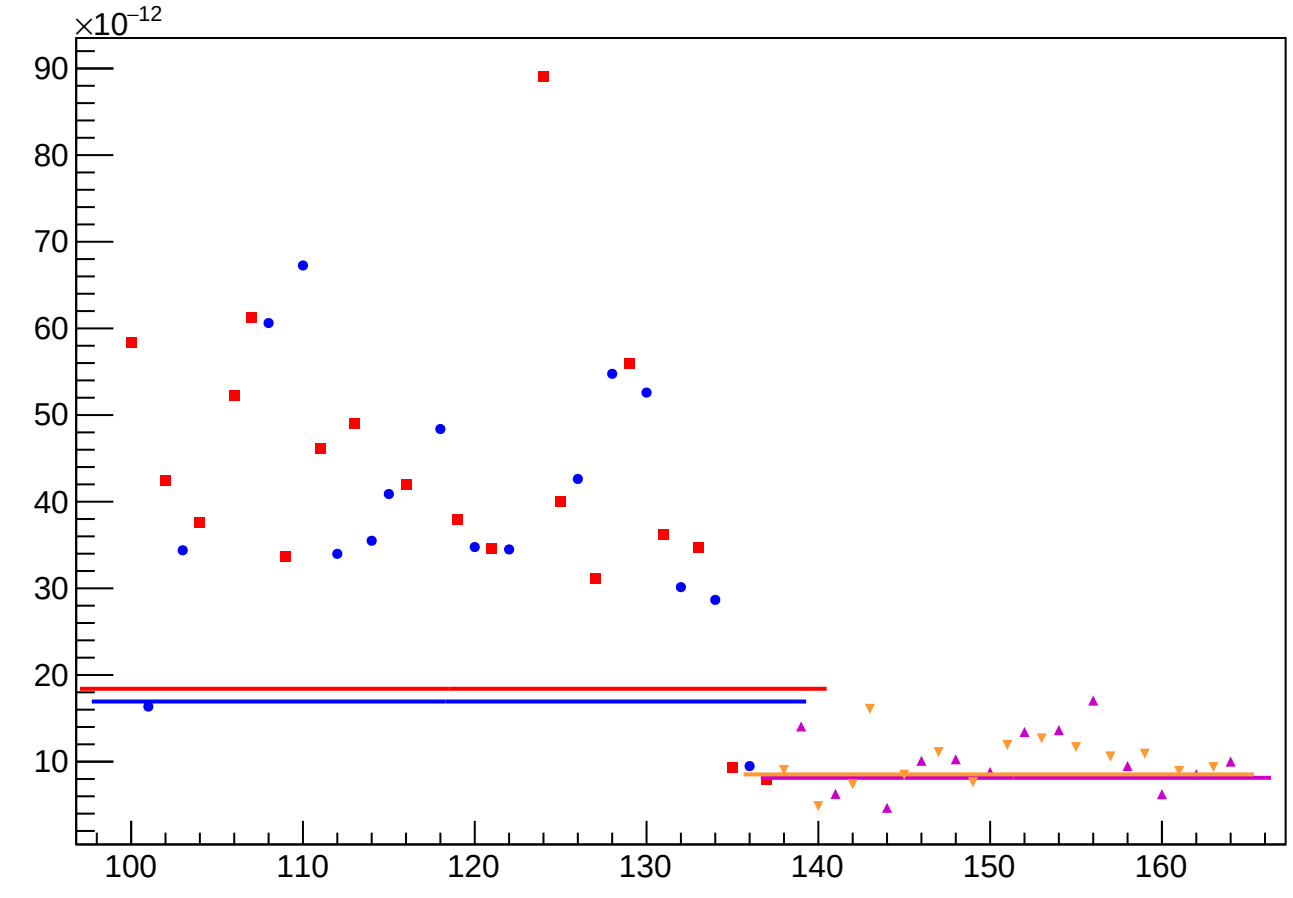
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/61

- 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:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

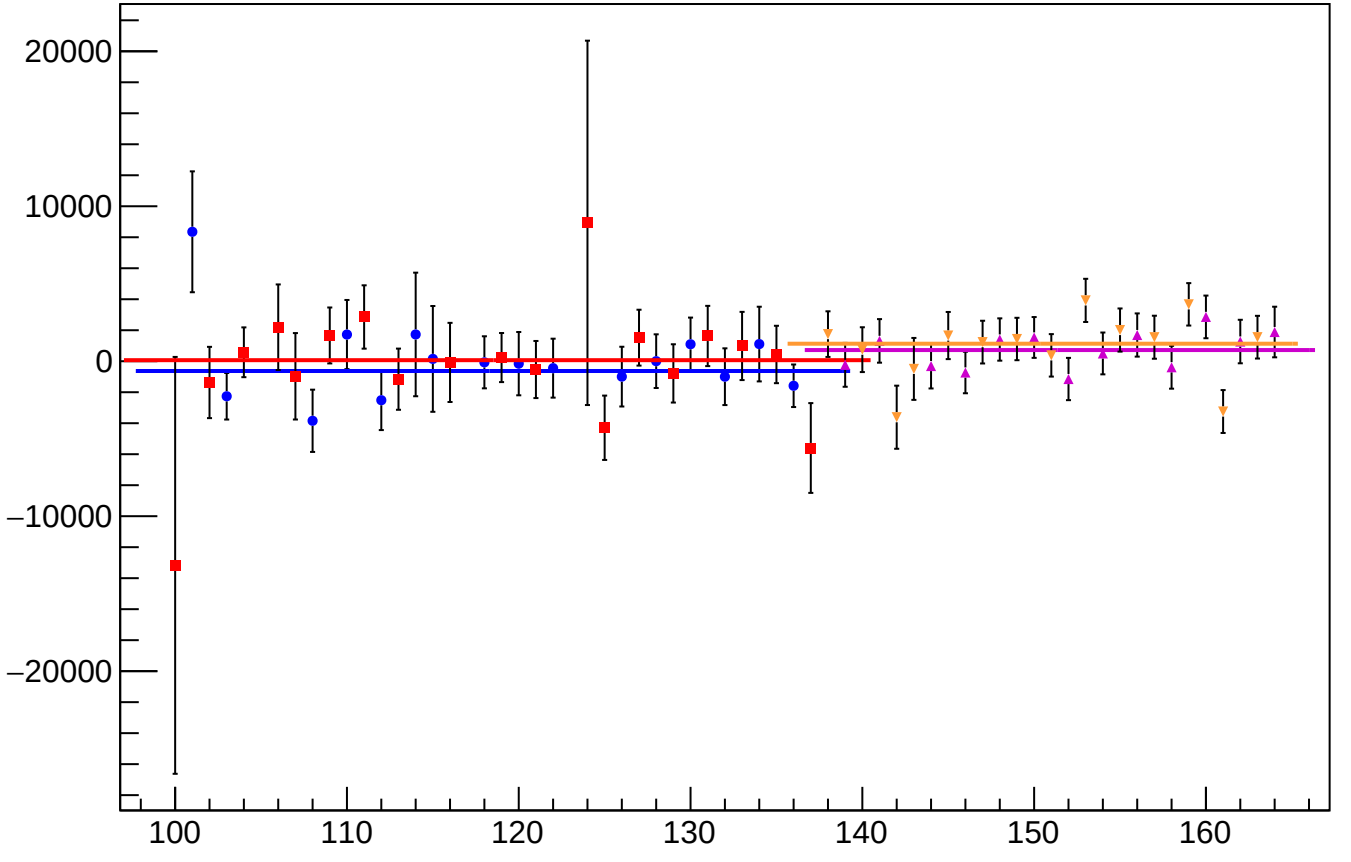
Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 5764846.0/29

All: 0.000+/-0.000 χ^2/NDF: 12801042.7/61

- 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: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

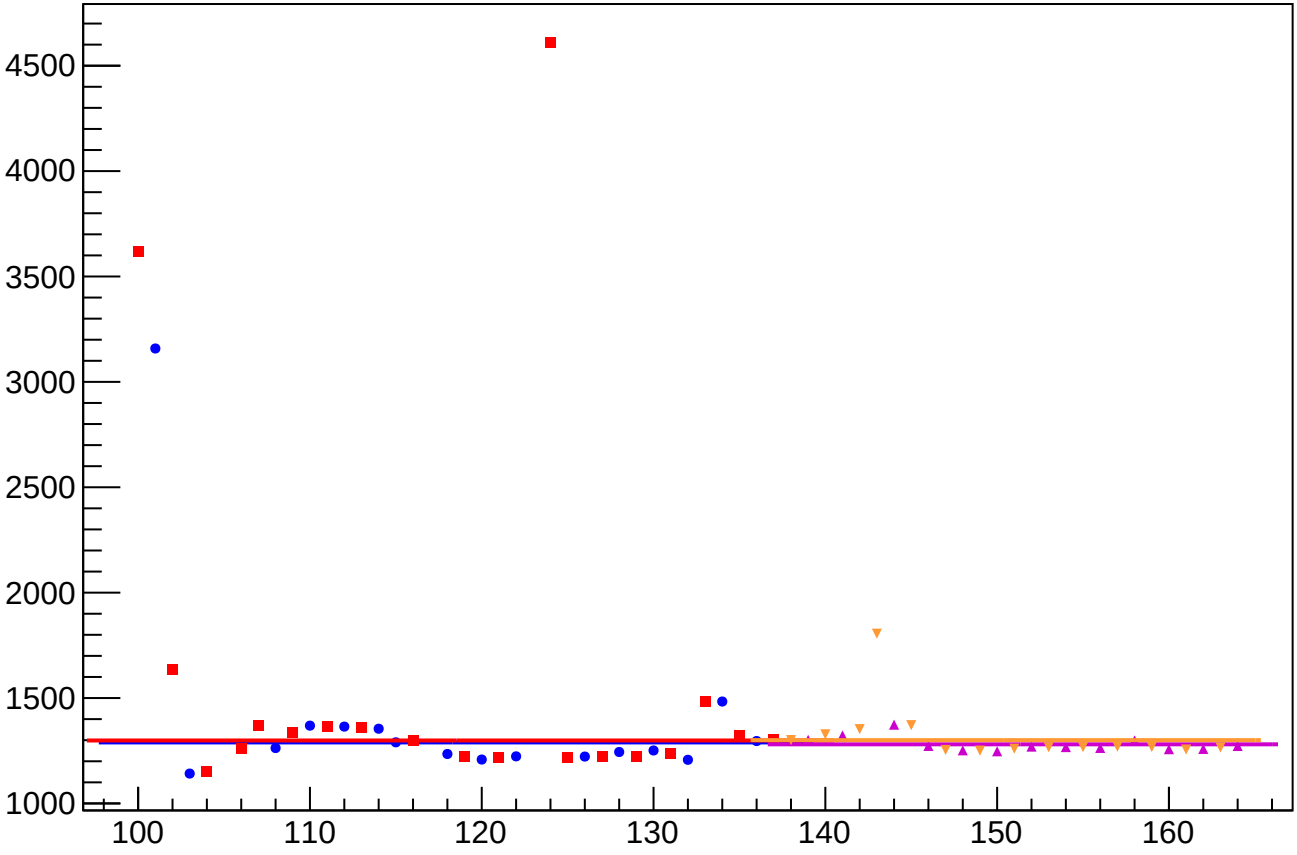
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 457.312+/-214.832 χ^2/NDF: 72.7/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

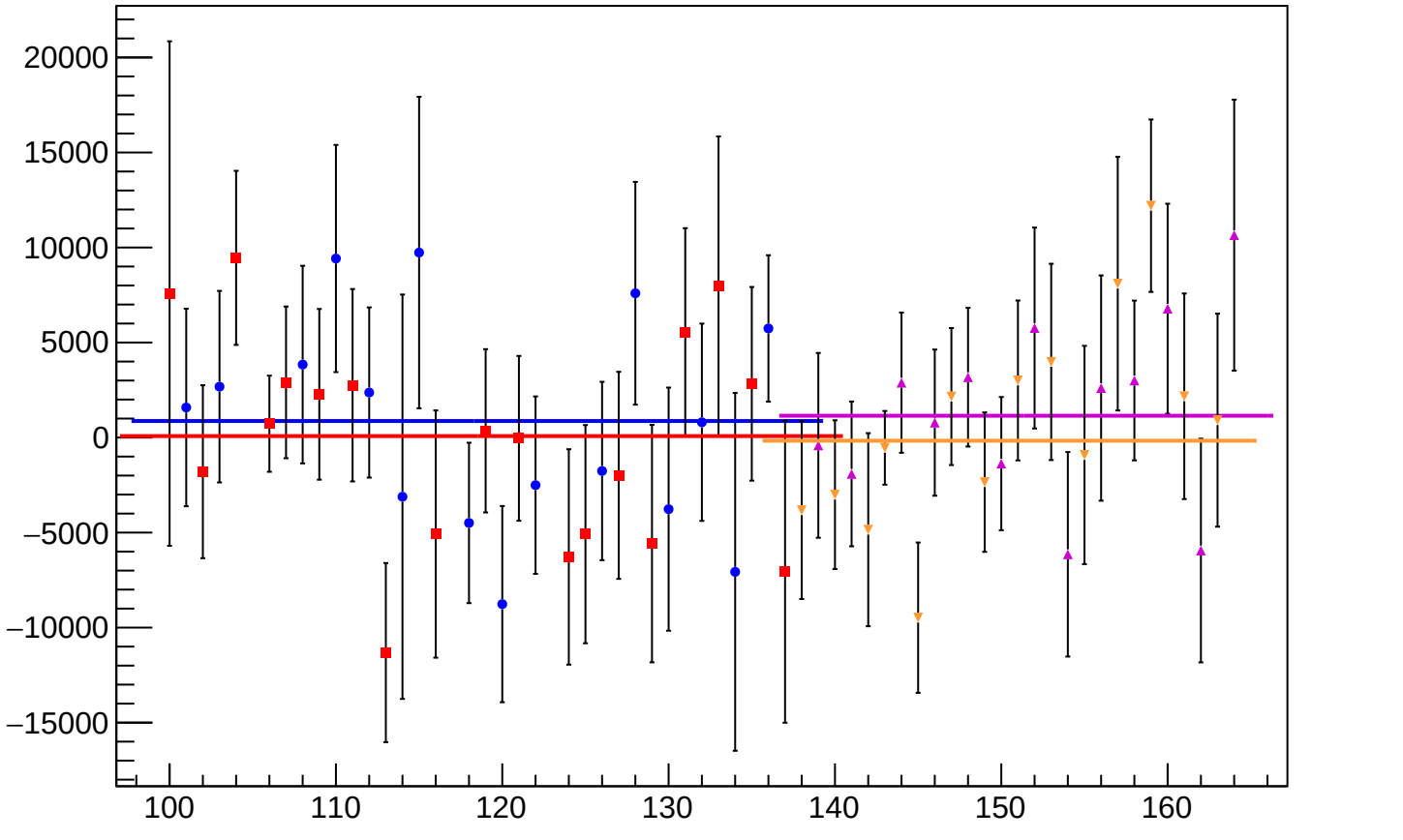
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61

- 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: -165.392+/-1058.655 χ^2/NDF:18.8/13

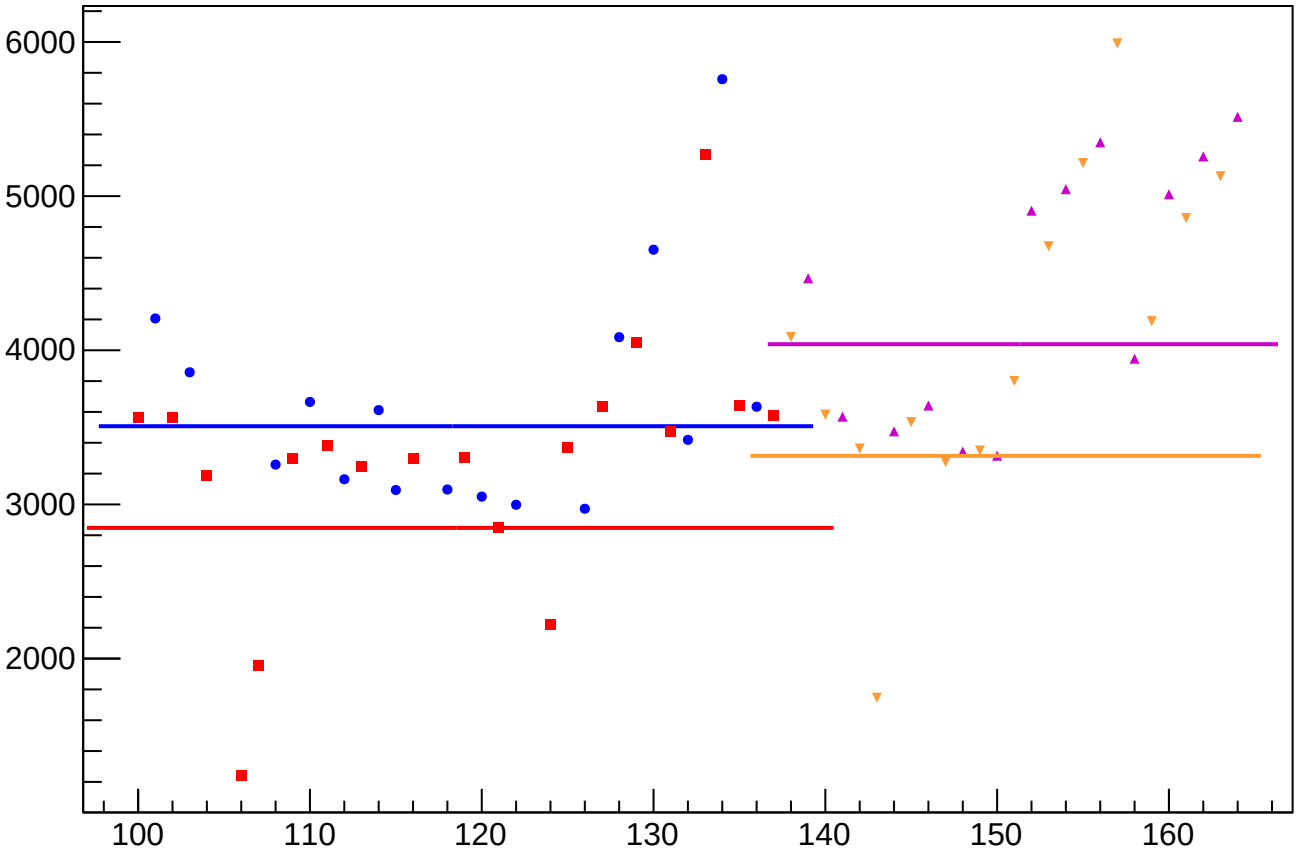
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1148.780+/-1244.618 χ^2/NDF:8.9/12

+ sign 238.049+/-827.147 χ^2/NDF: 33.2/29

All: 394.953+/-585.485 χ^2/NDF: 60.9/61

- 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: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

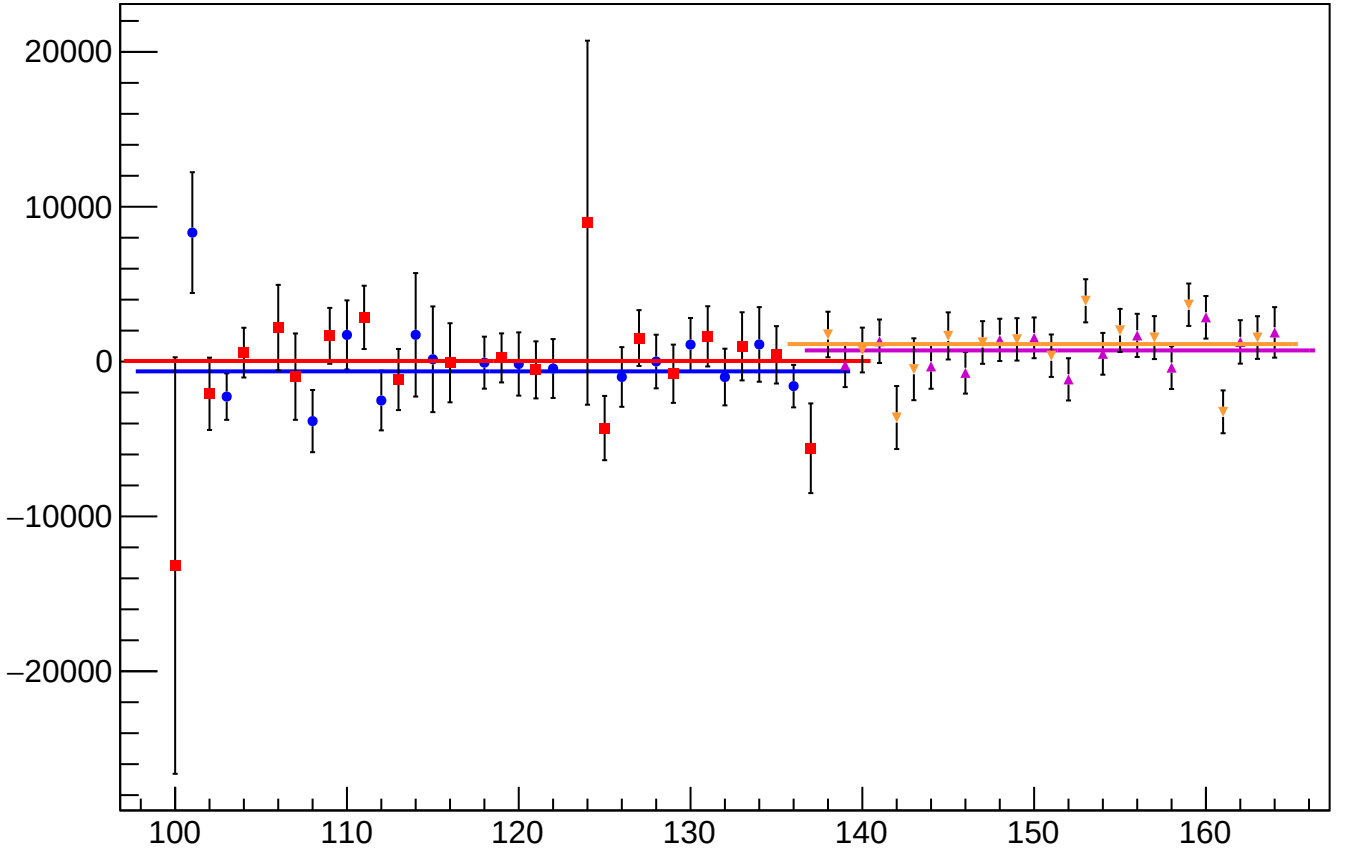
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3383.159+/-0.414 χ^2/NDF: 6158335.0/61

- 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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

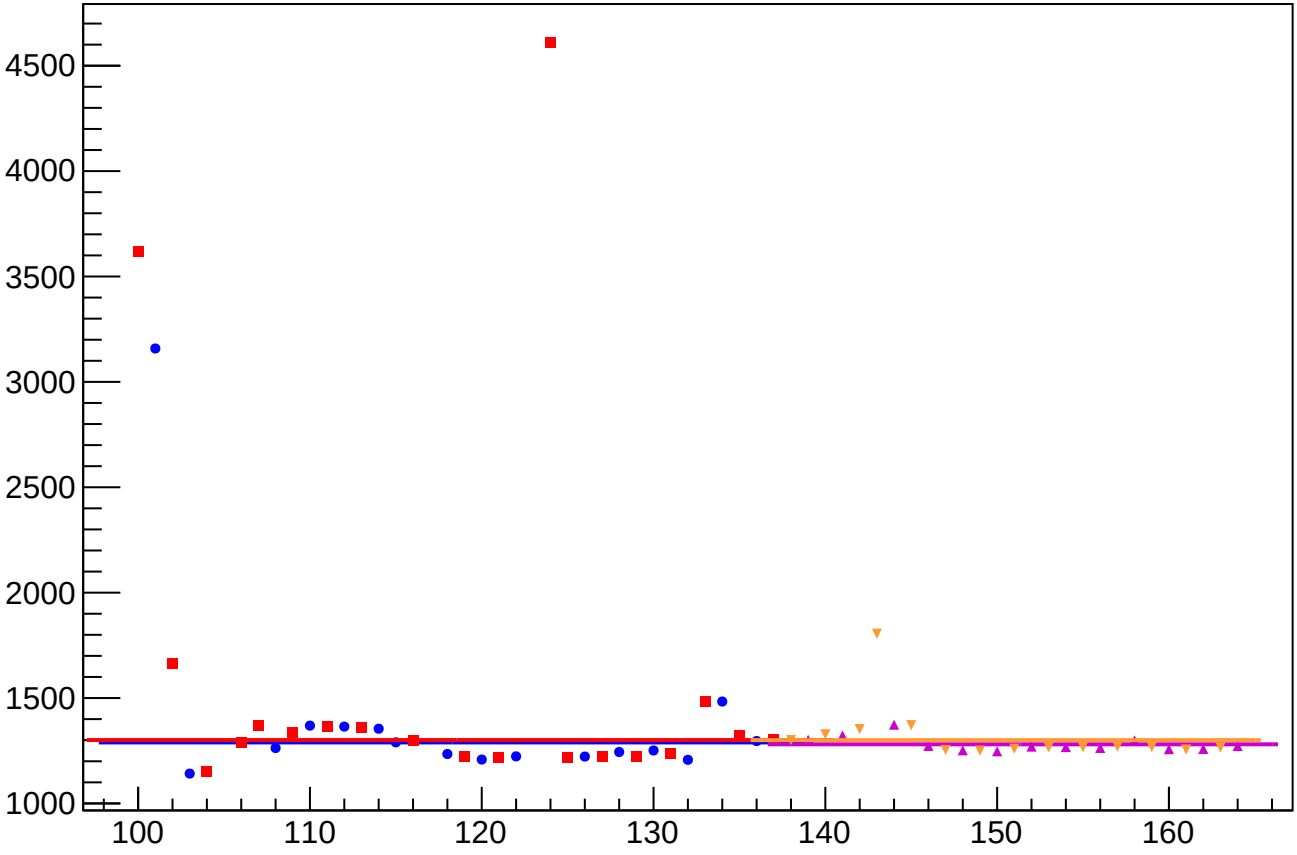
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

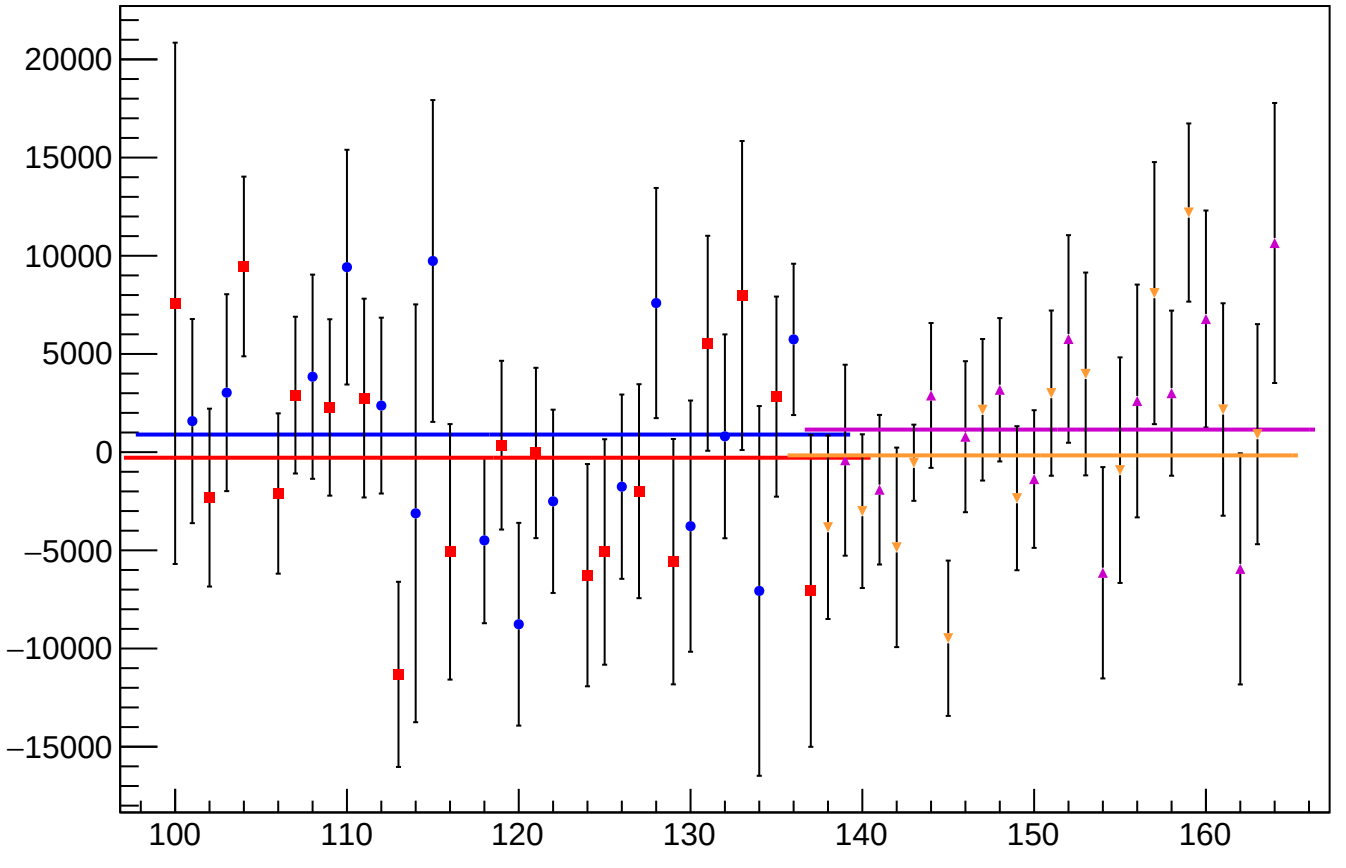
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- 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: -165.293+/-1058.652 χ^2/NDF:18.8/13

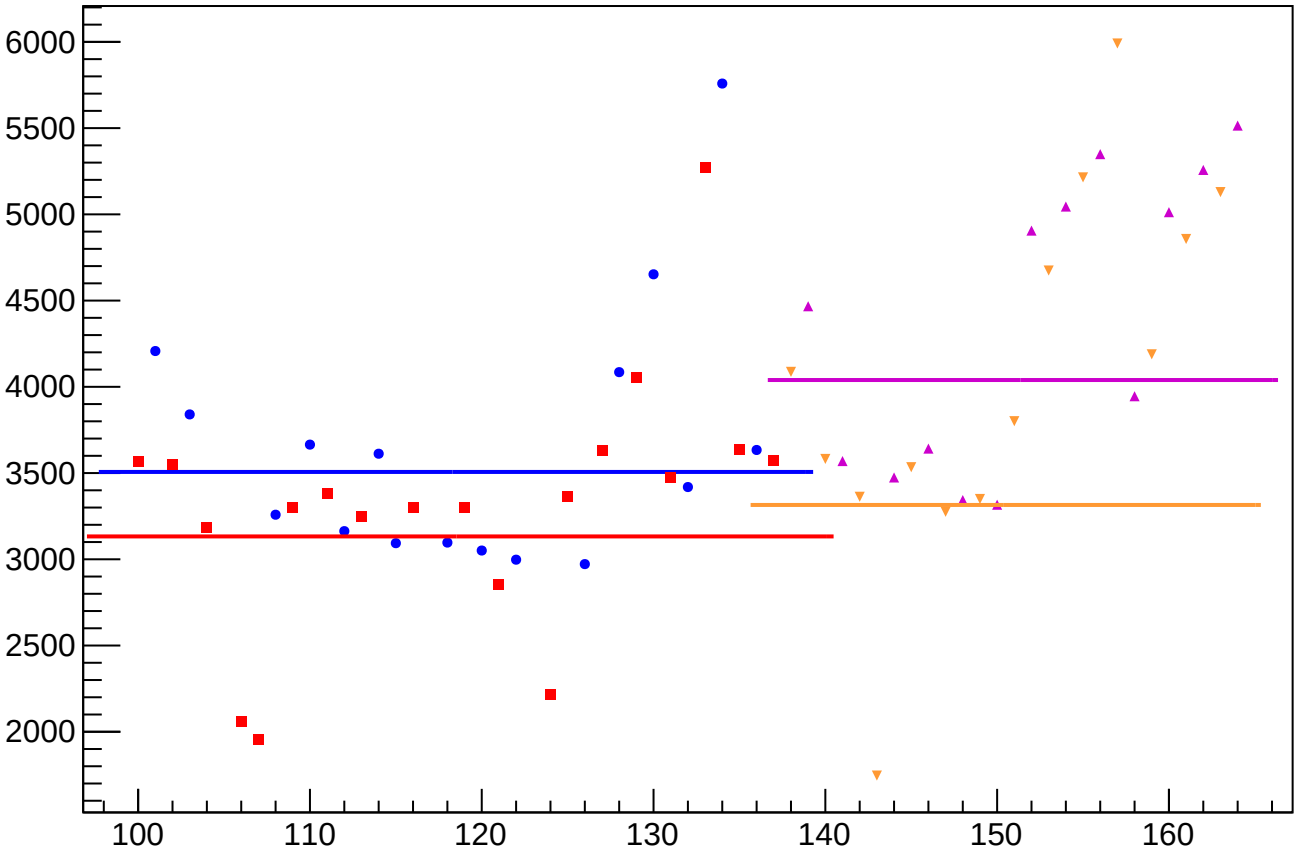
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 319.570+/-595.291 χ^2/NDF: 61.5/61

- 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: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

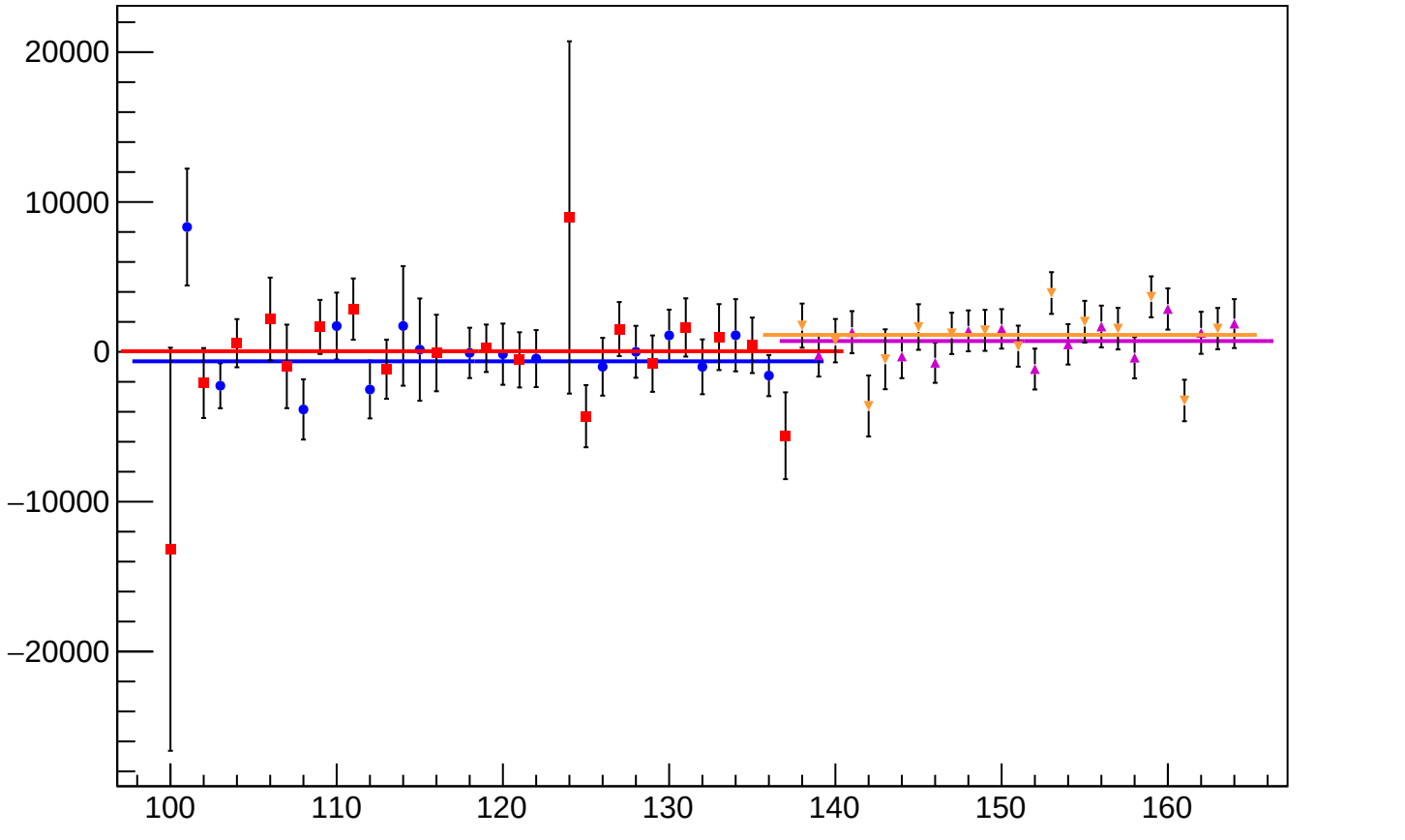
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61

- 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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

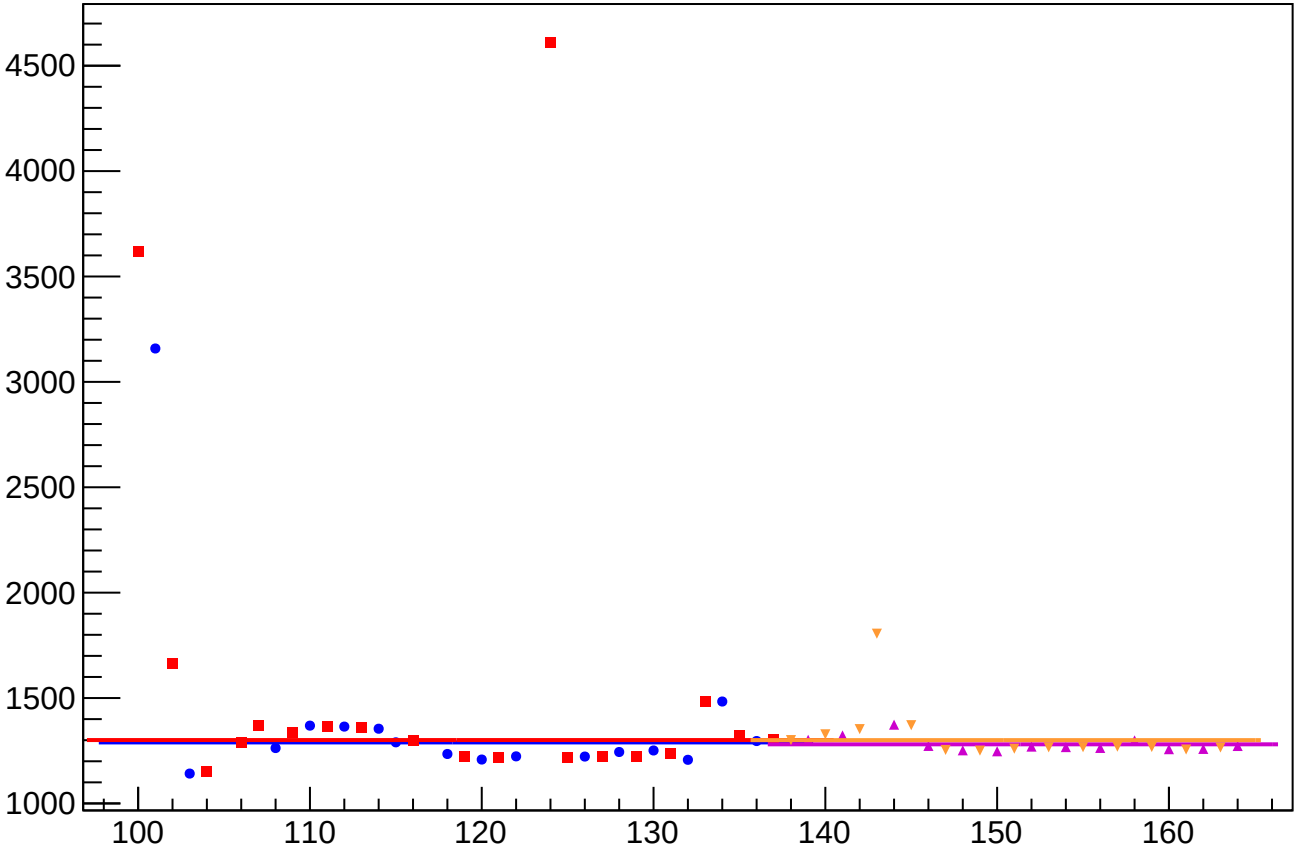
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

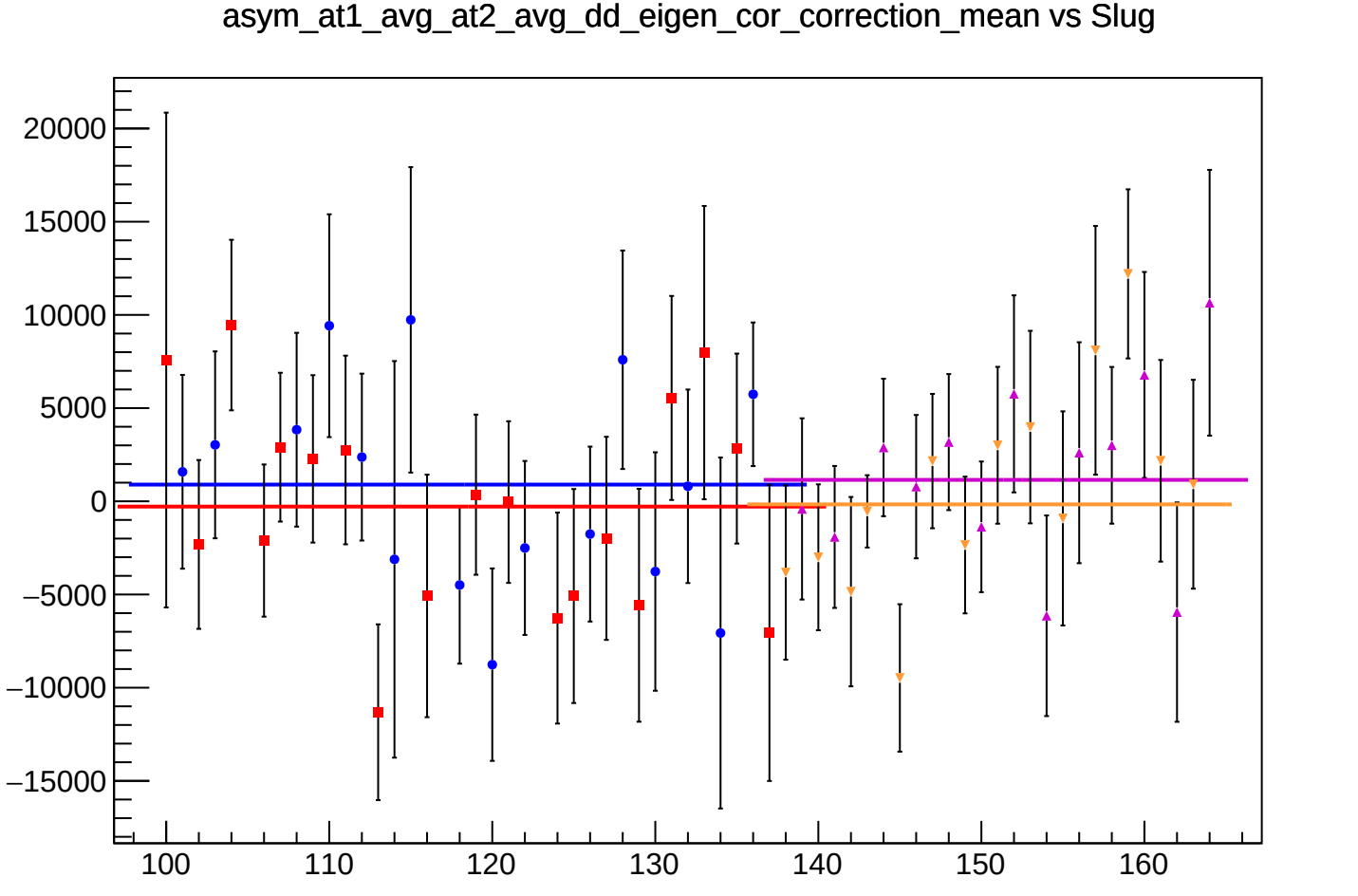
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

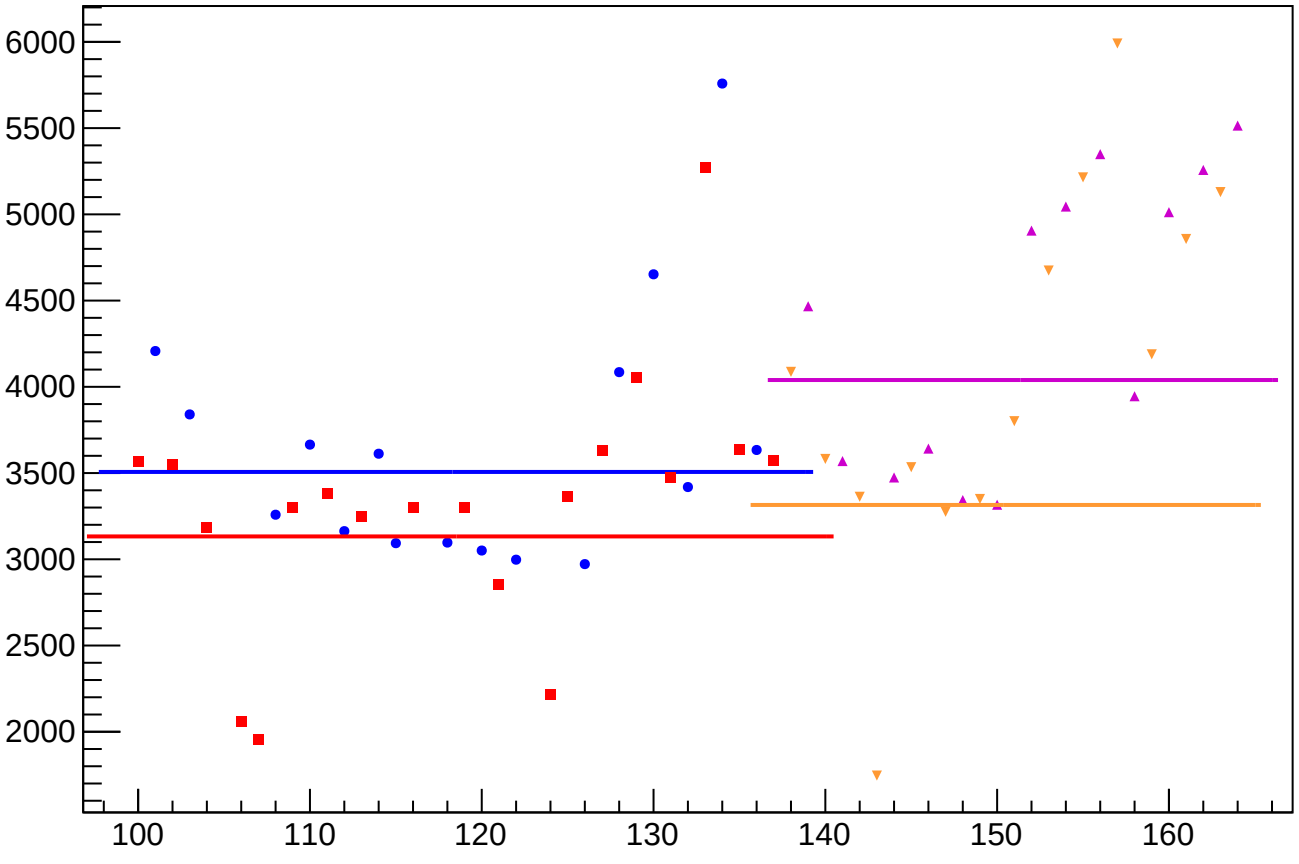
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1148.822+/-1244.617 χ²/NDF:8.9/12
+ sign 248.302+/-827.035 χ²/NDF: 33.2/29
All: 319.570+/-595.291 χ²/NDF: 61.5/61
- sign 396.190+/-857.528 χ²/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

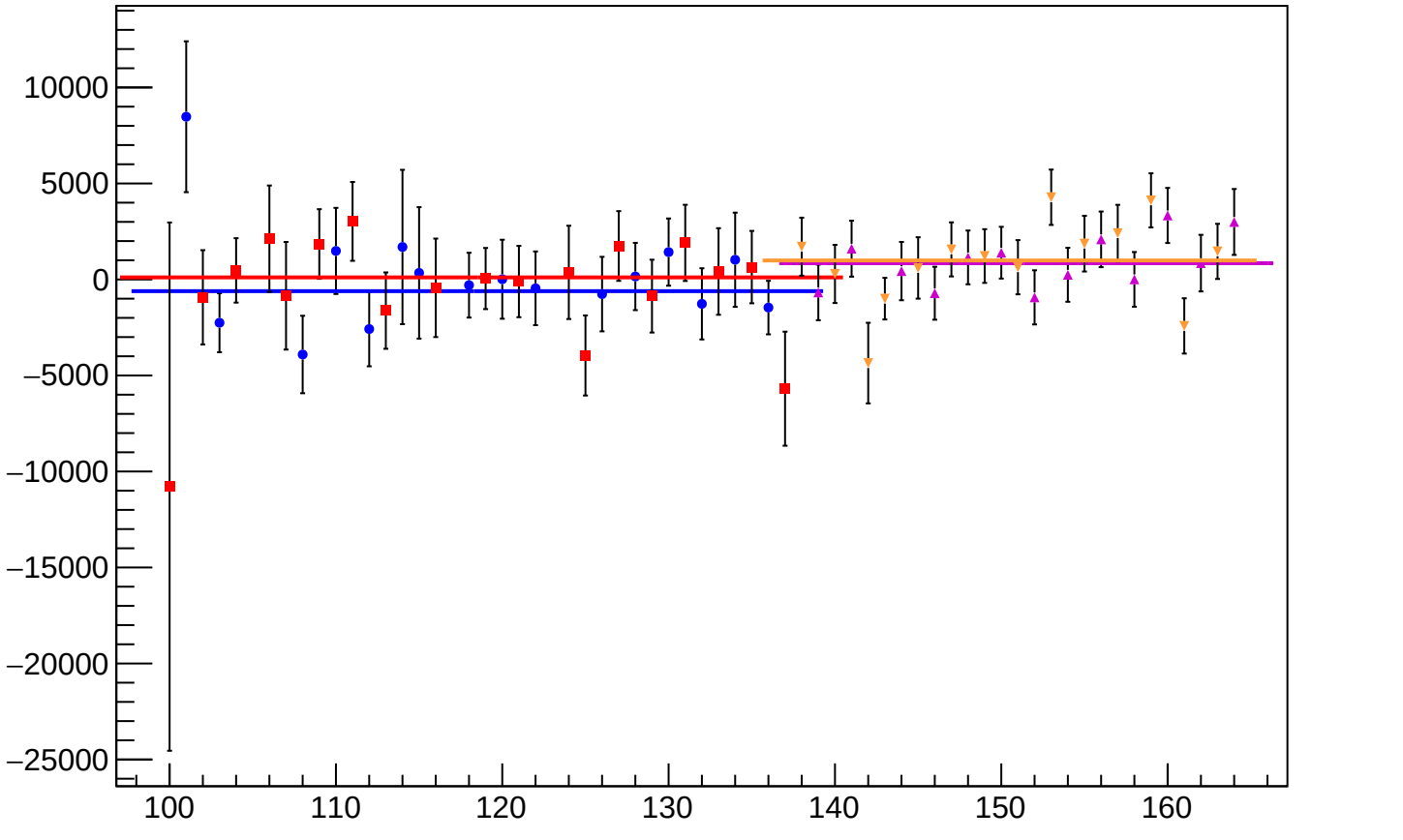
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61

- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

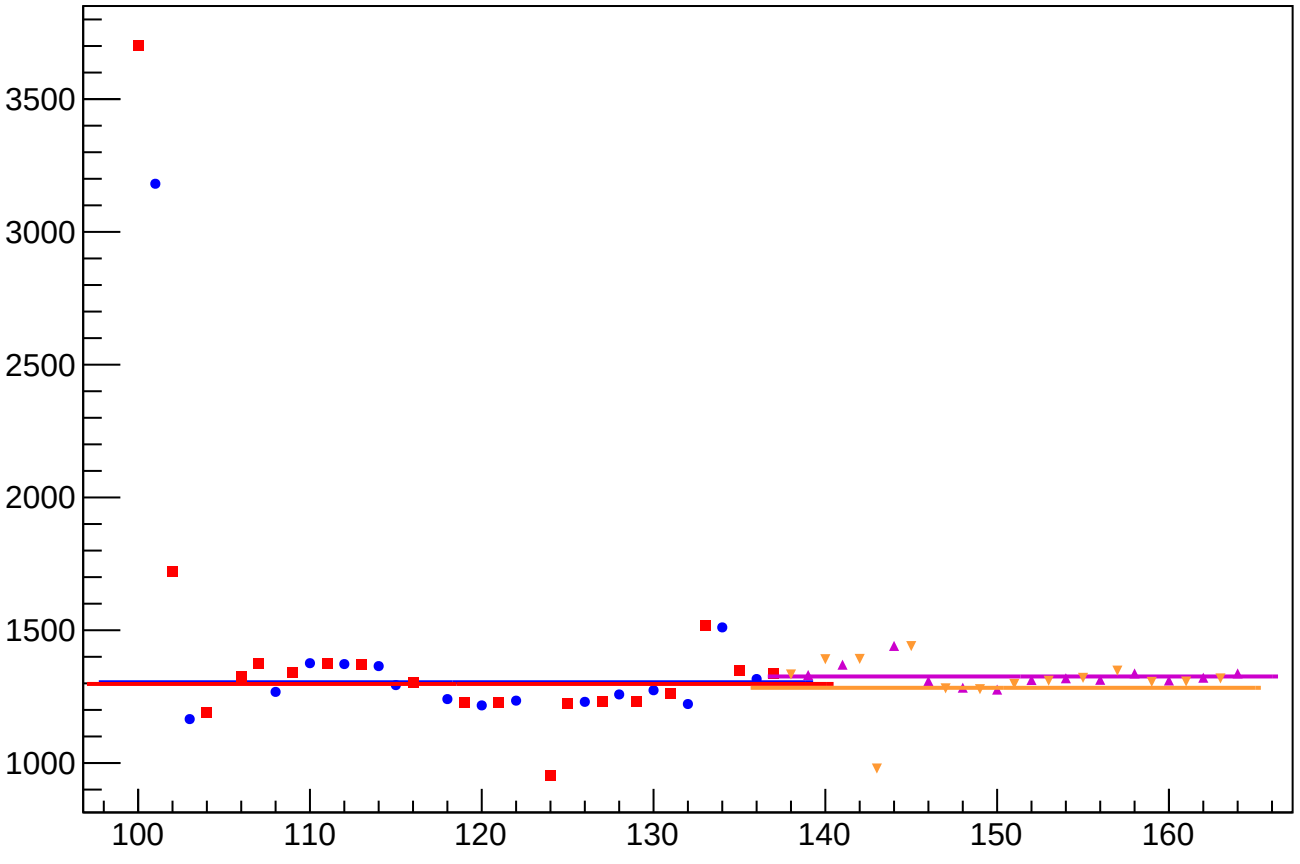
Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 465.883+/-216.584 χ^2/NDF: 75.1/61

- sign 548.156+/-308.969 χ^2/NDF: 26.6/31



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

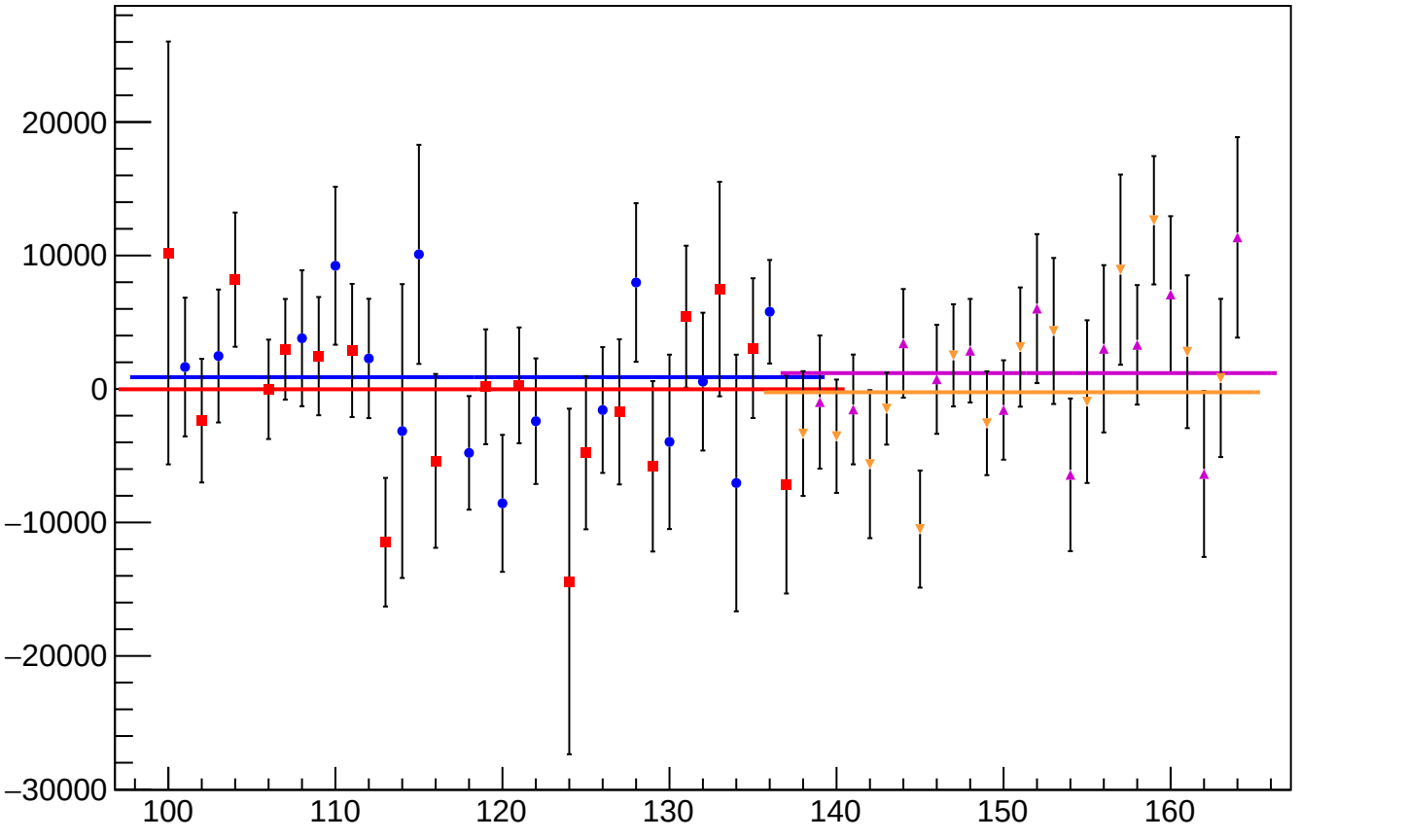
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61

- 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: -243.884+/-1203.871 χ^2/NDF:19.0/13

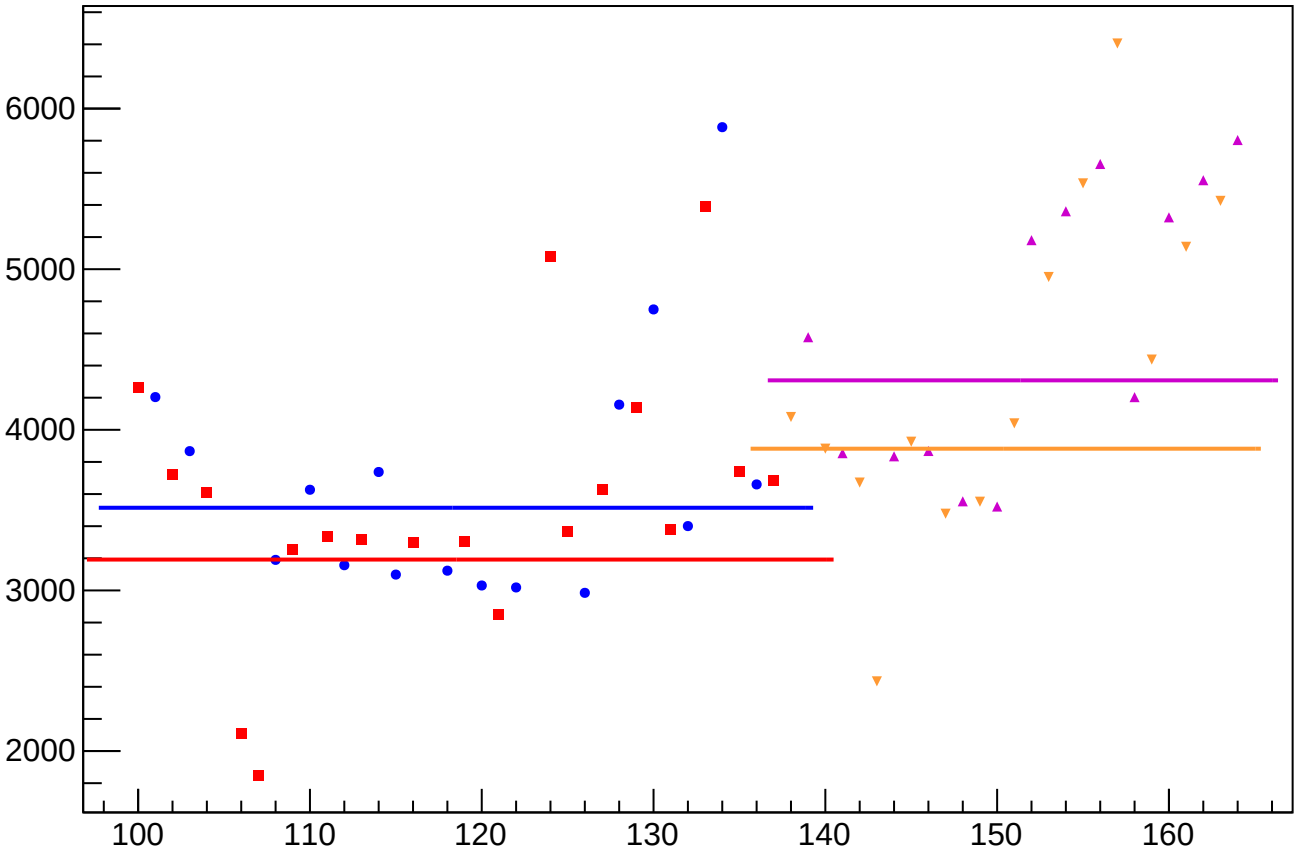
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

- 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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

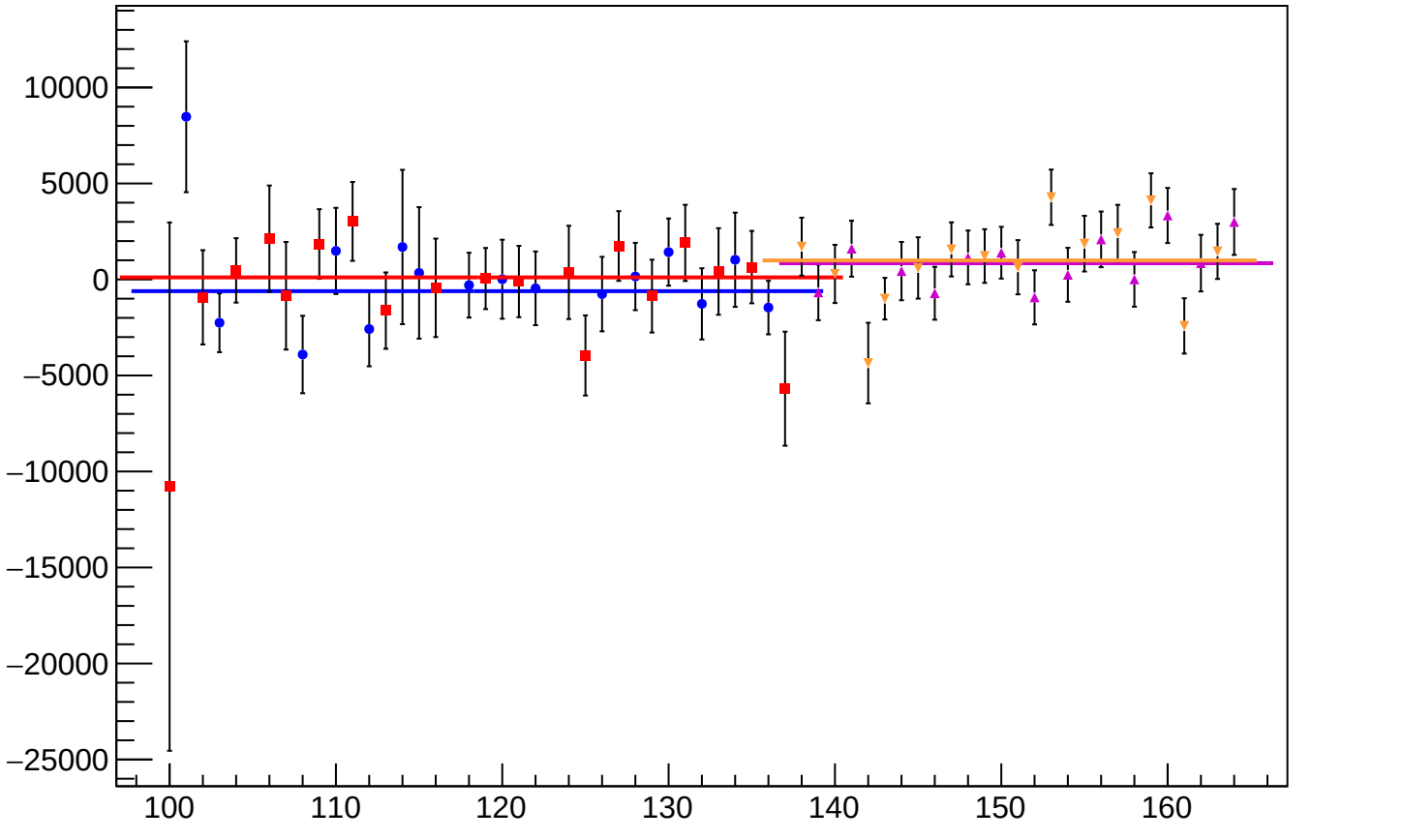
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61

- 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: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

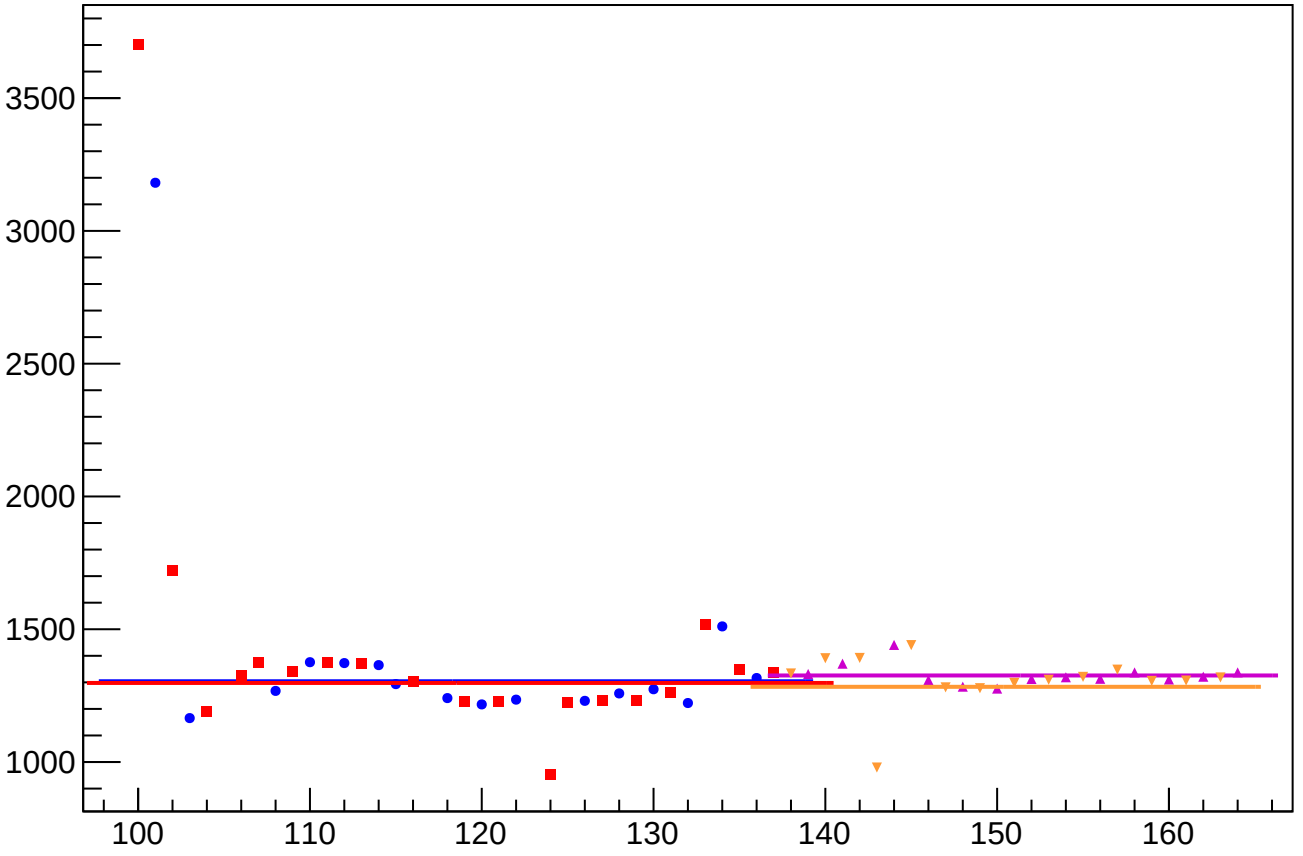
Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 465.885+/-216.584 χ^2/NDF: 75.1/61

- 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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

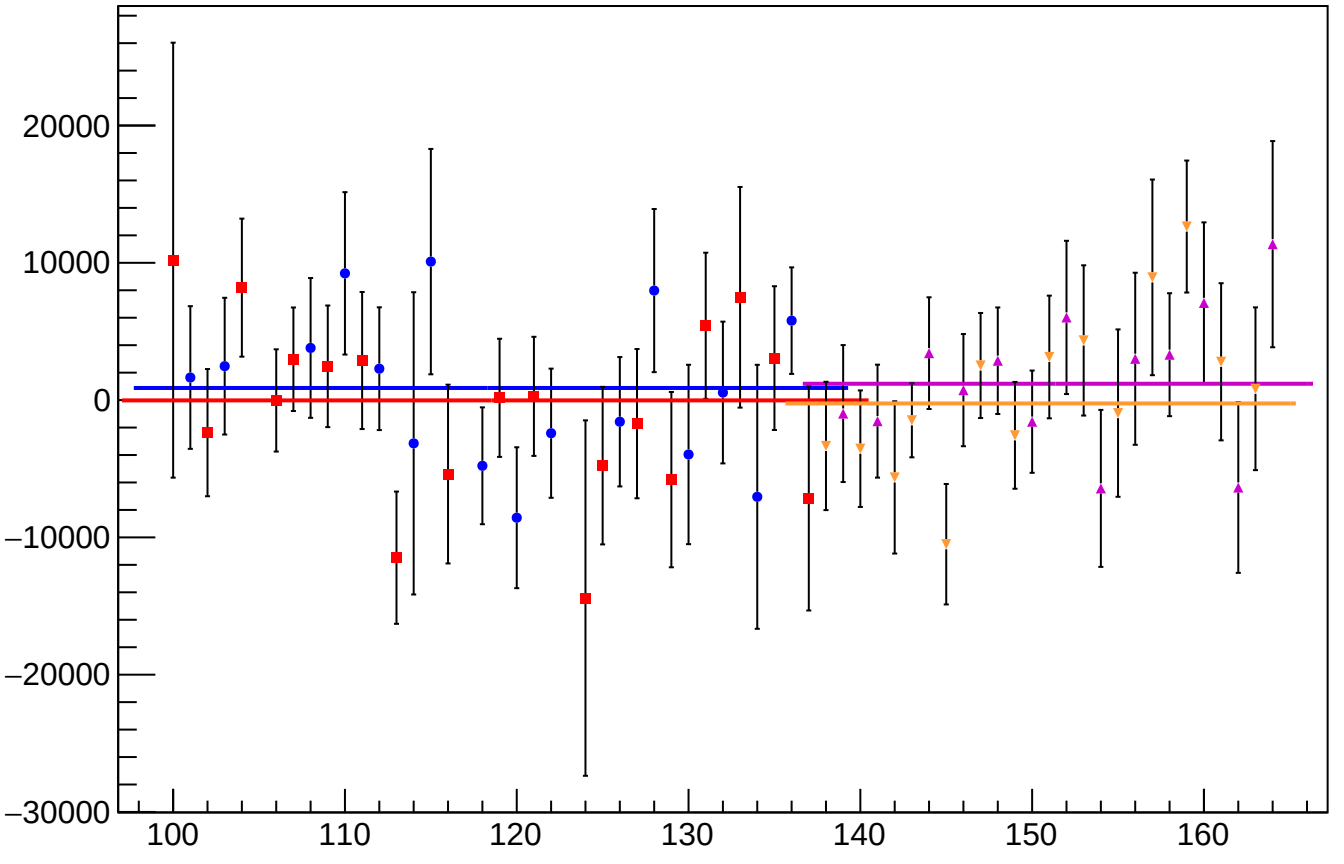
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61

- 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: -243.880+/-1203.873 χ^2/NDF:19.0/13

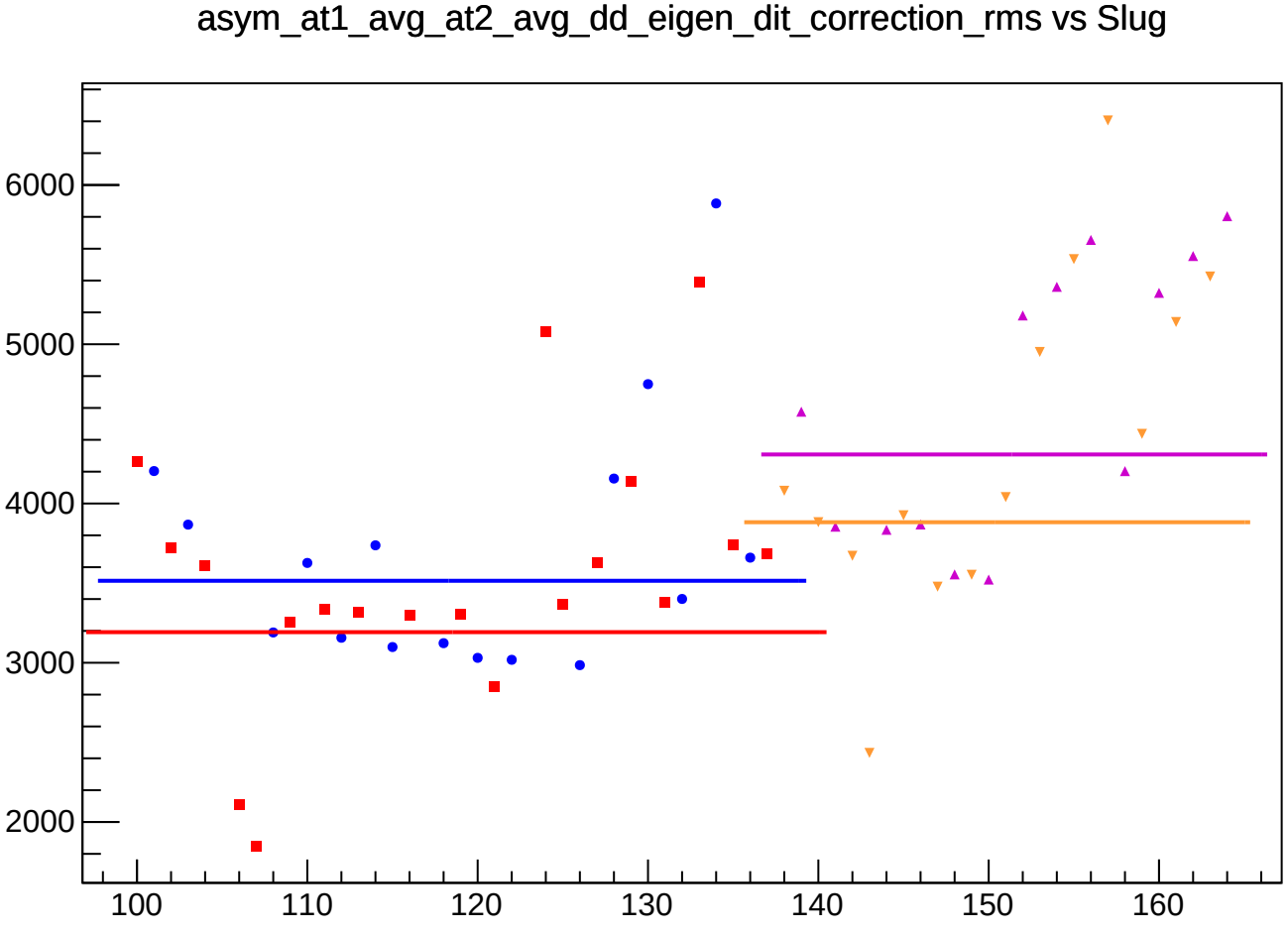
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

- 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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

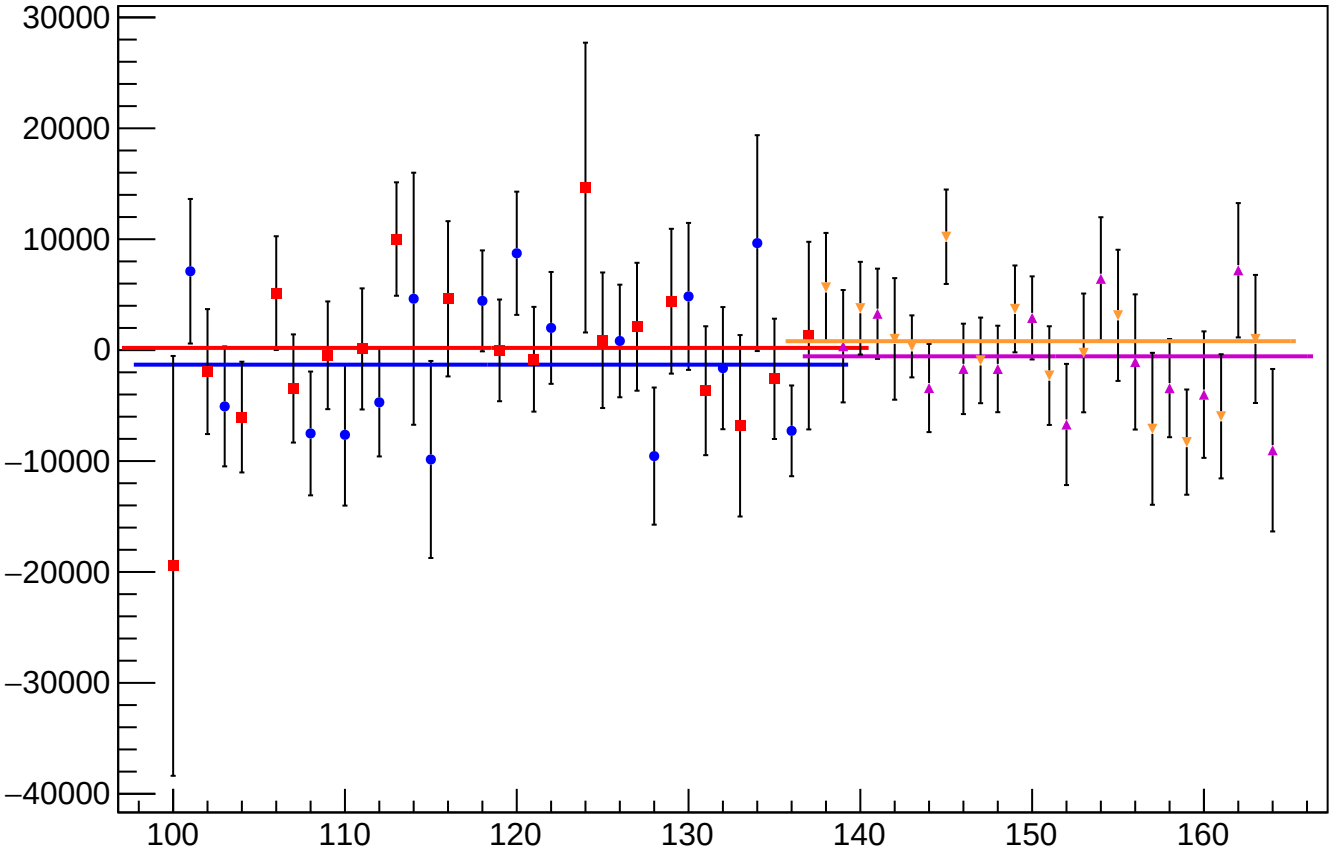
Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61

- 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: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

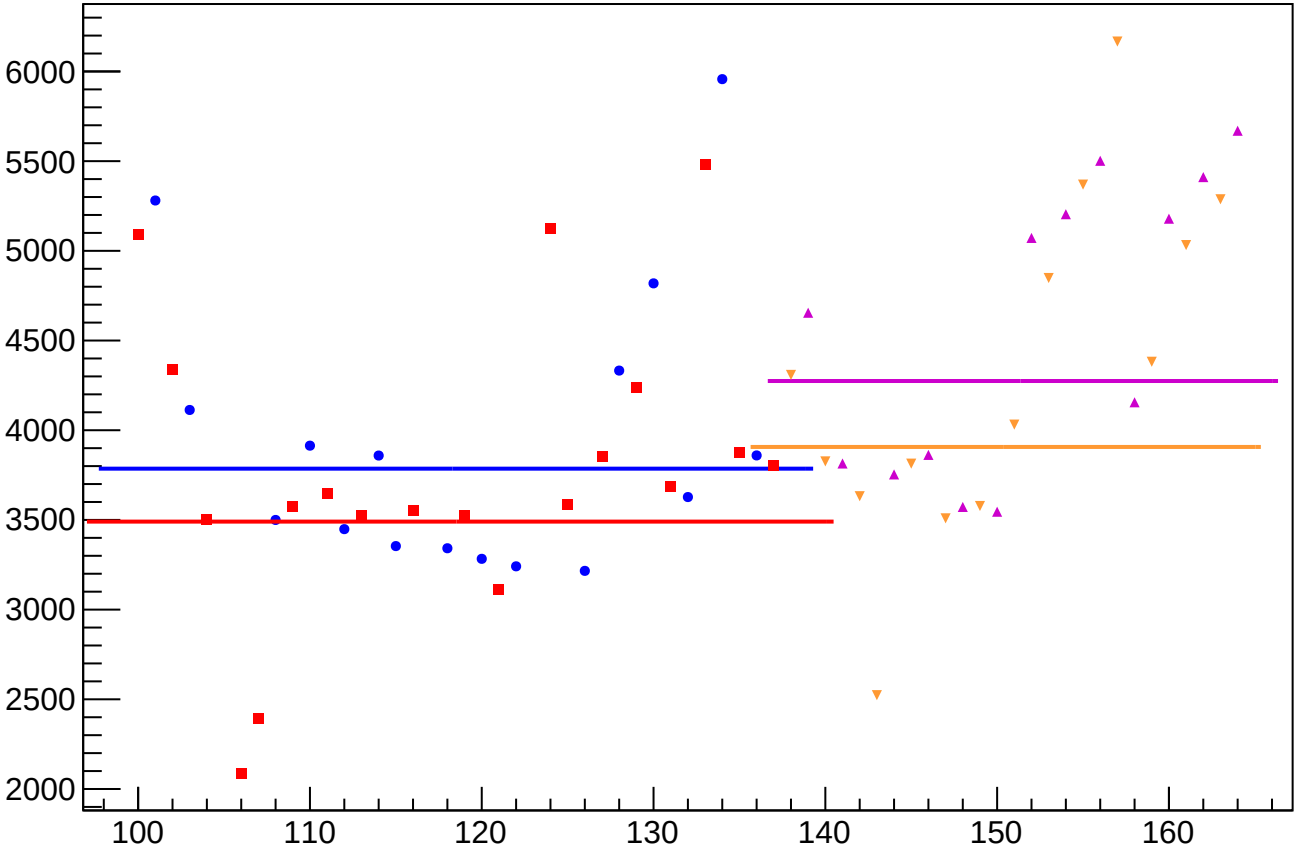
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -126.438+/-656.866 χ^2/NDF: 54.1/61

- 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: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

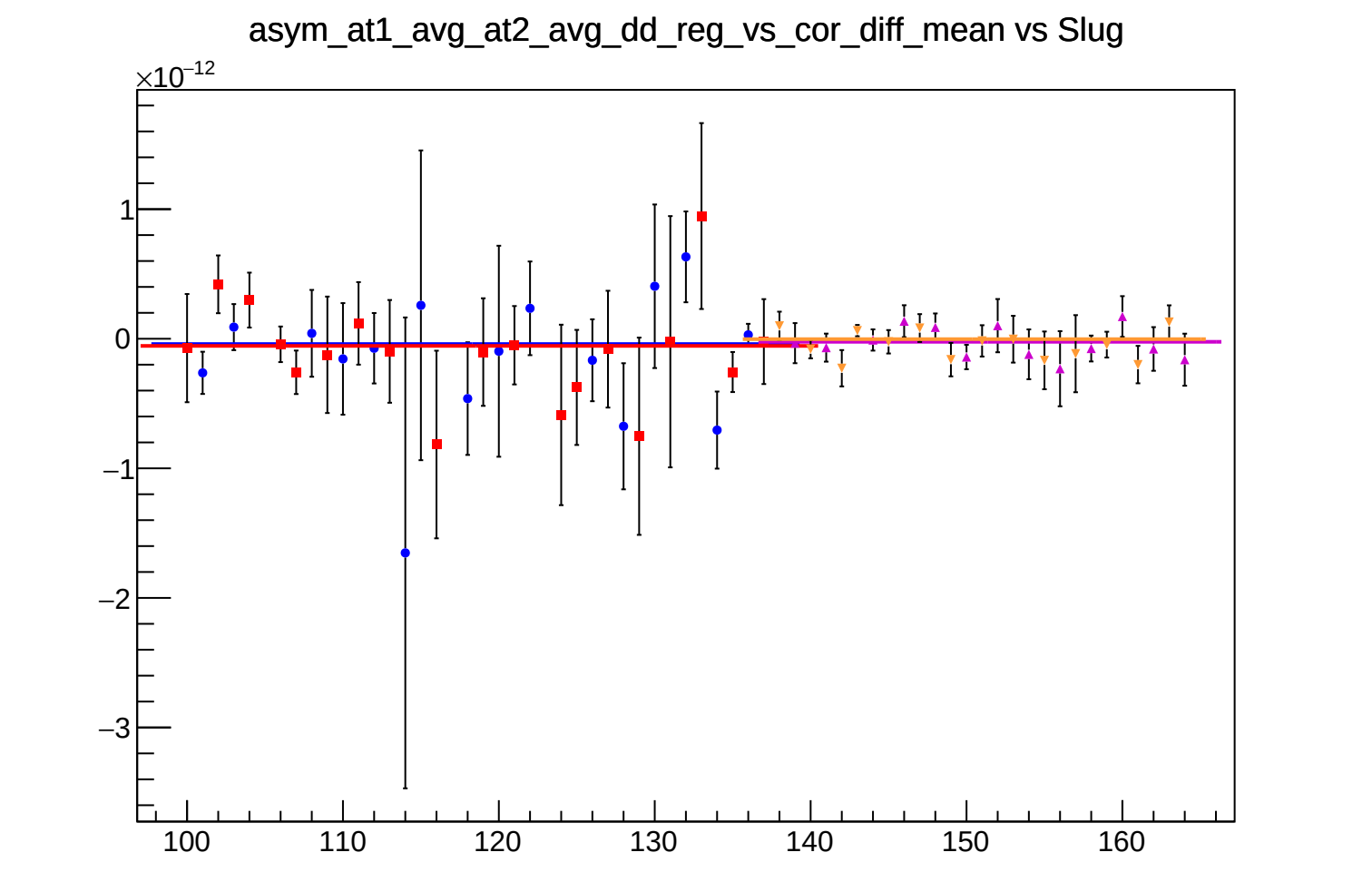
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3870.236+/-0.463 χ^2/NDF: 3105332.8/61

- 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:12.8/13

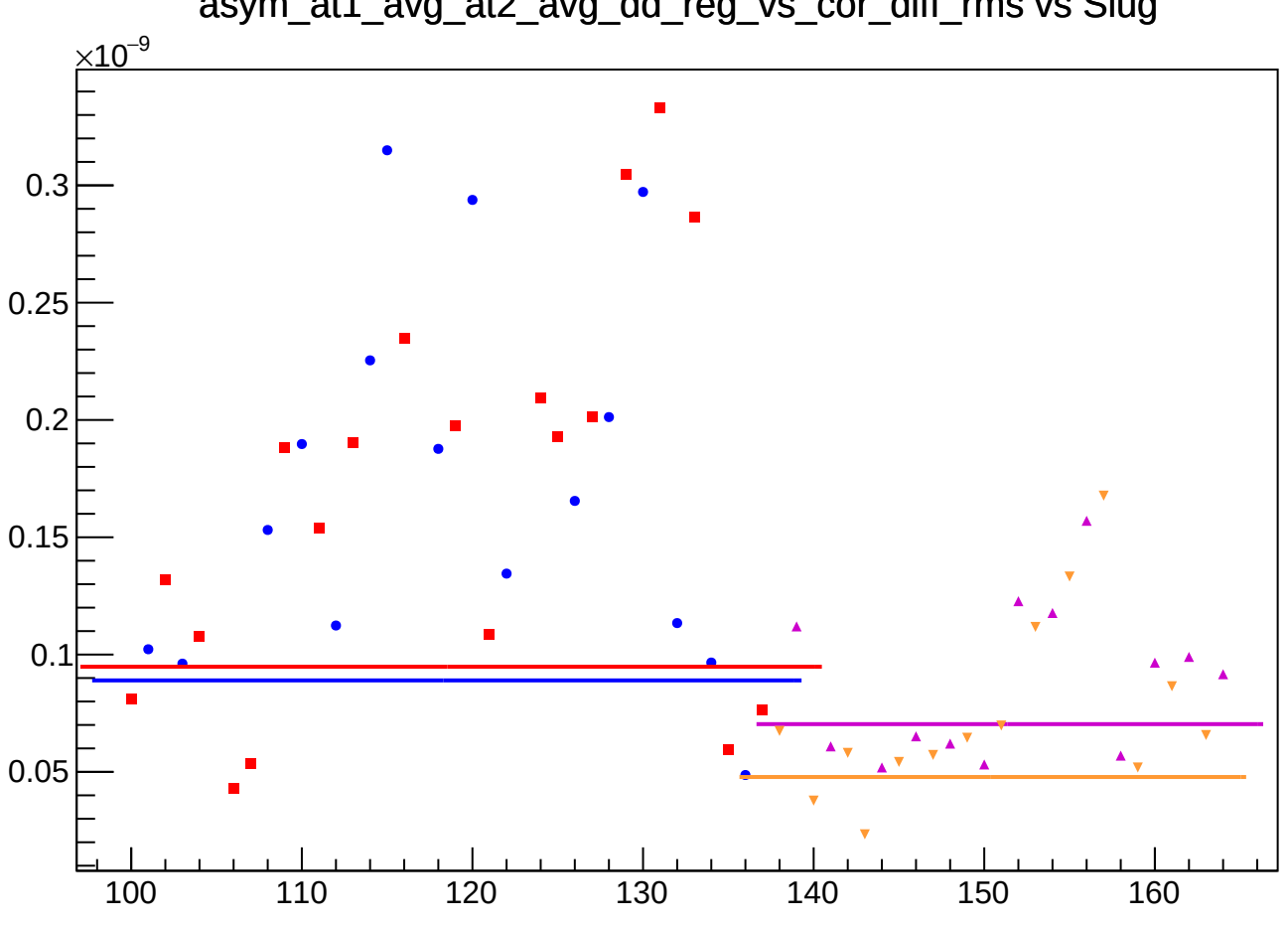
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 54.2/61

- 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:1913939.0/13

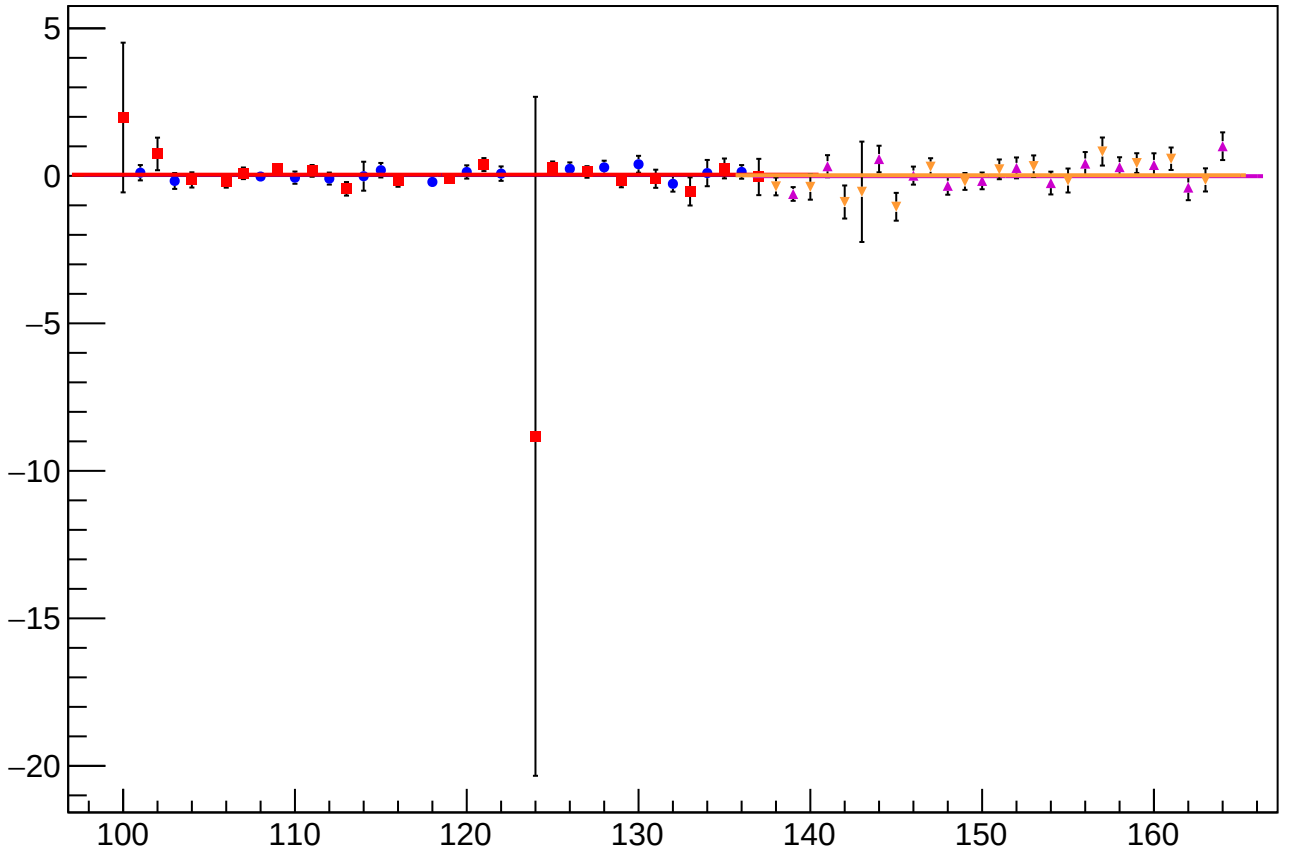
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

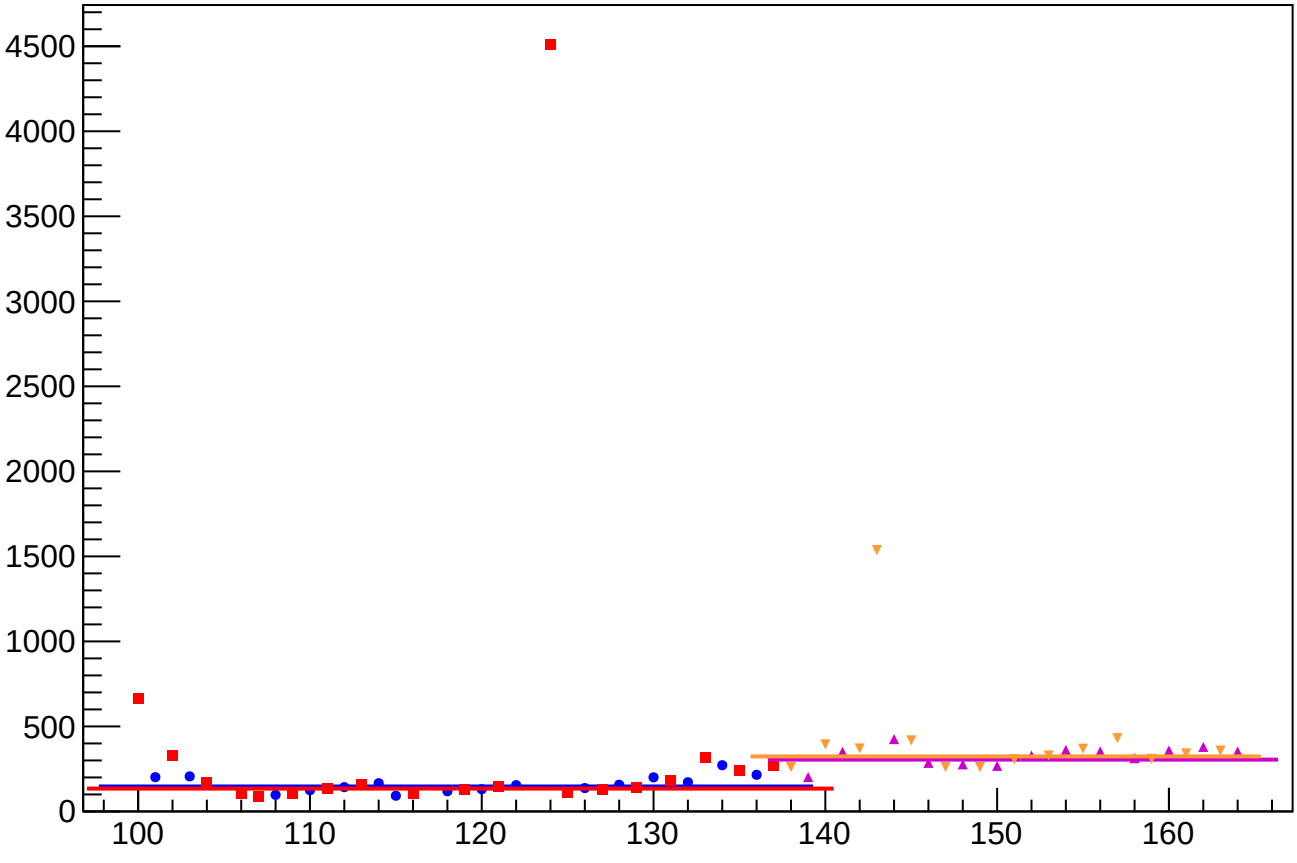
Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

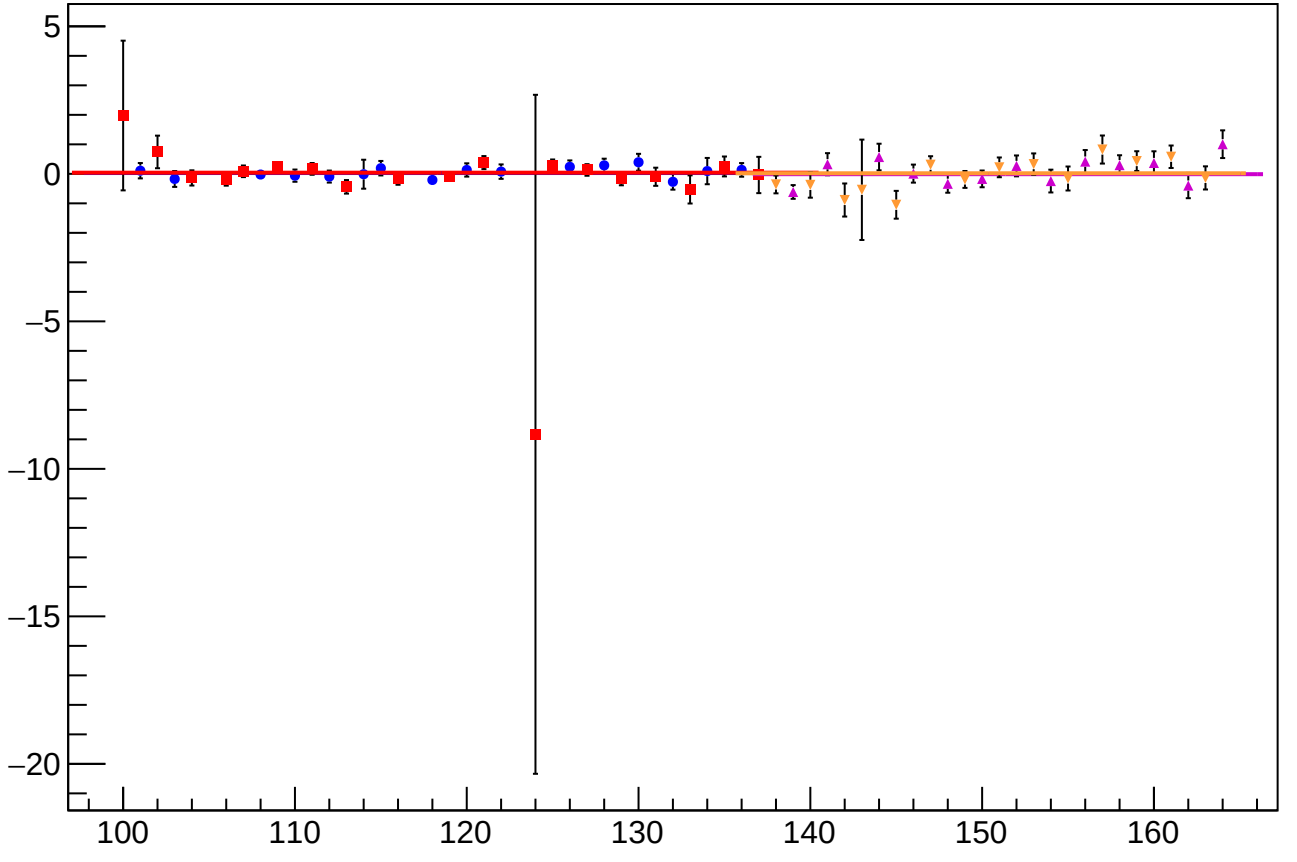
Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

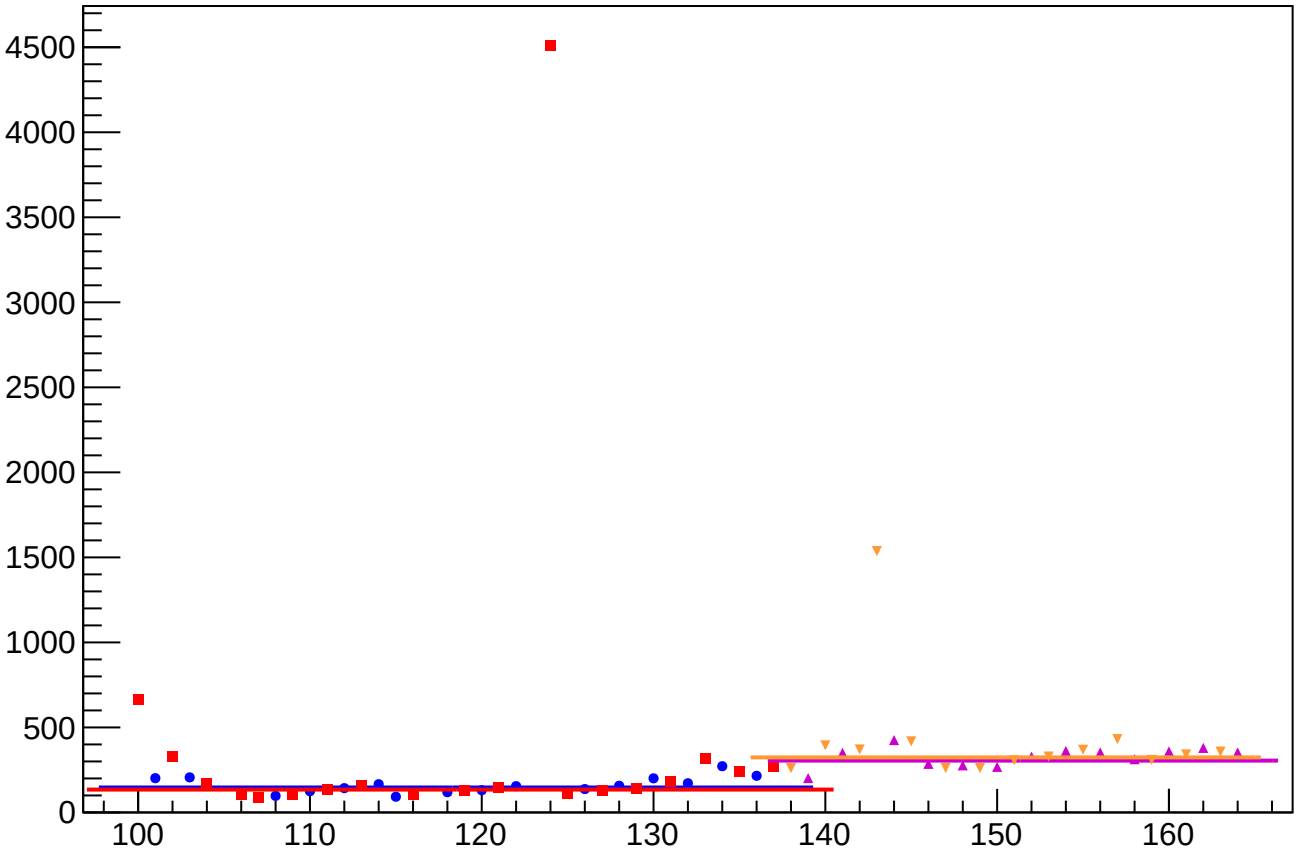
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

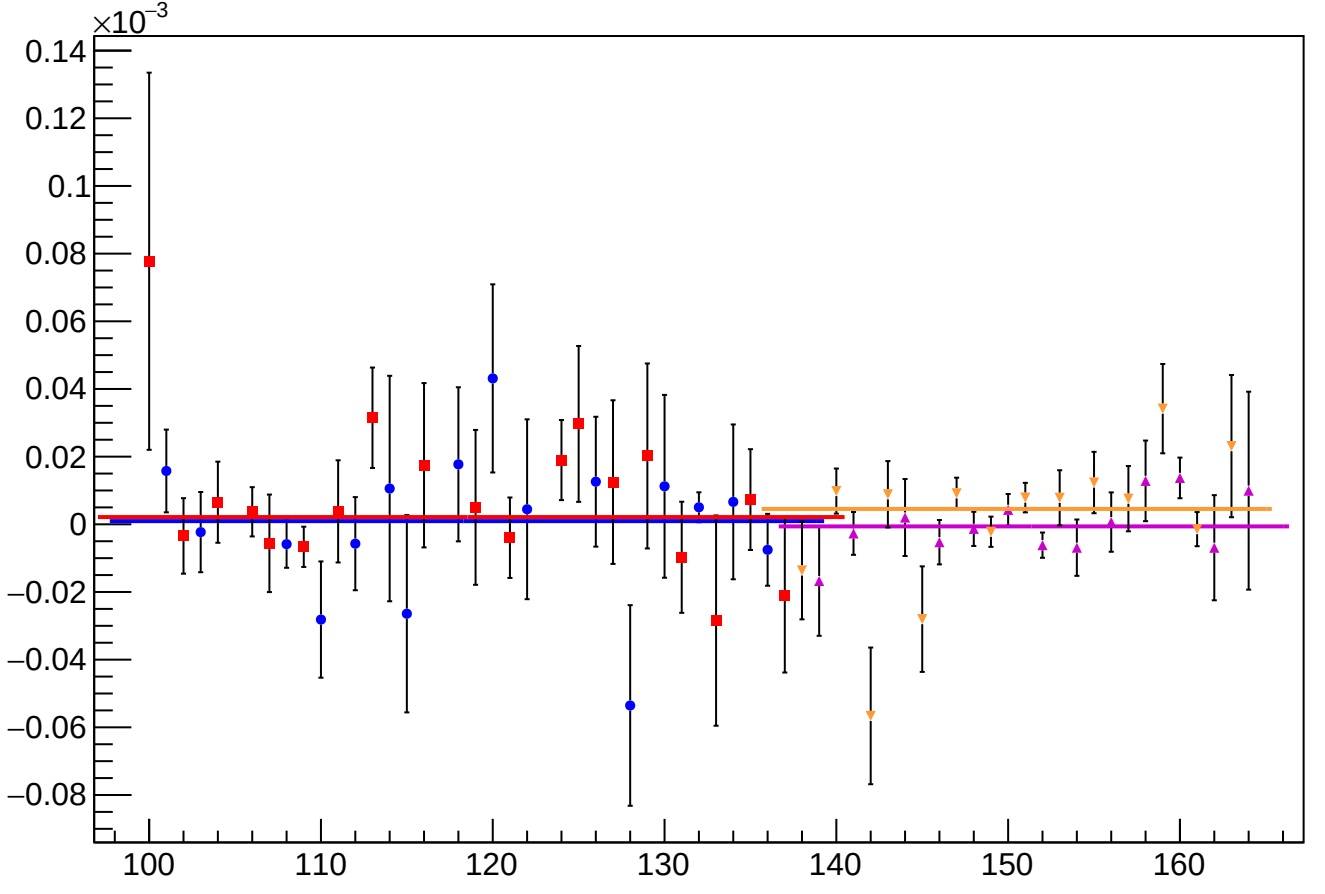
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- 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:28.0/13

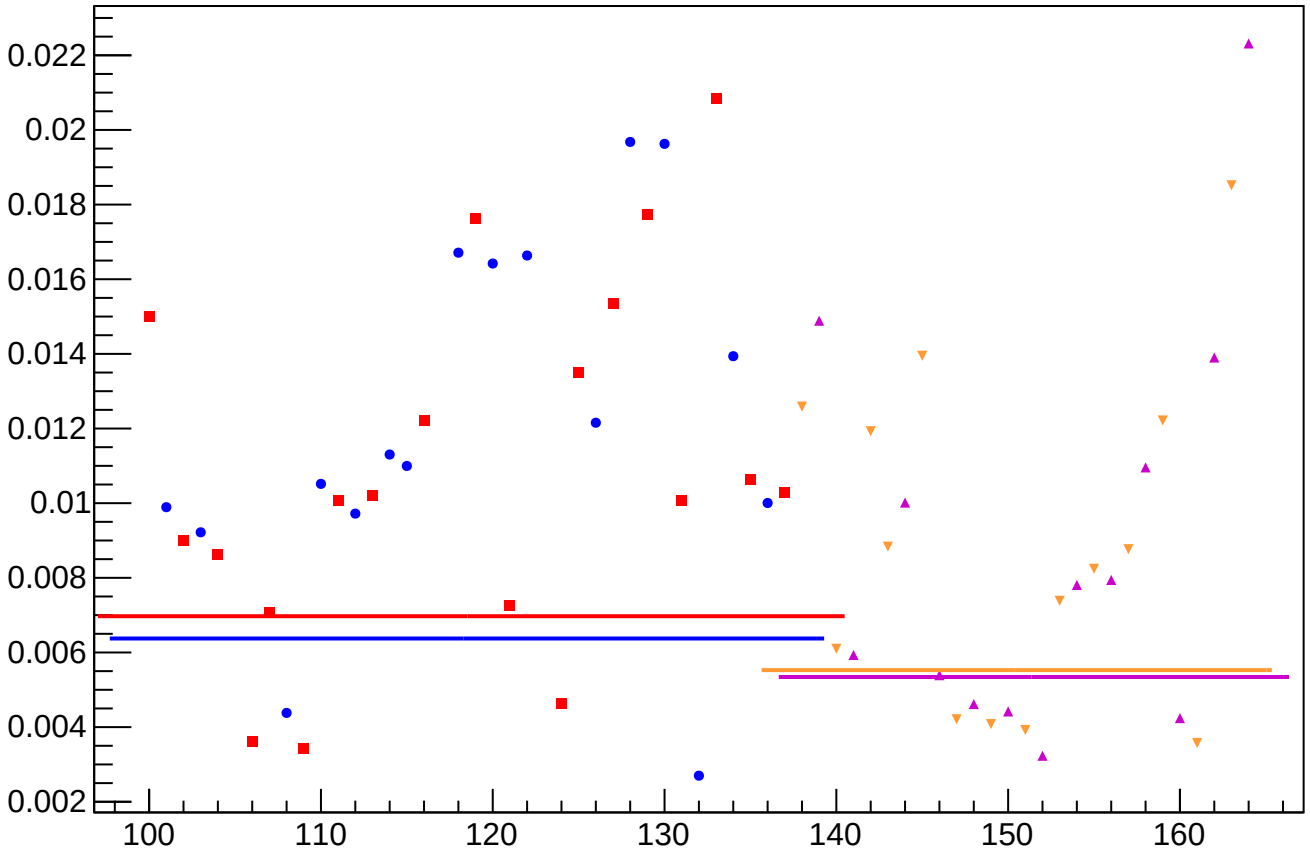
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/61

- 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:4231862.3/13

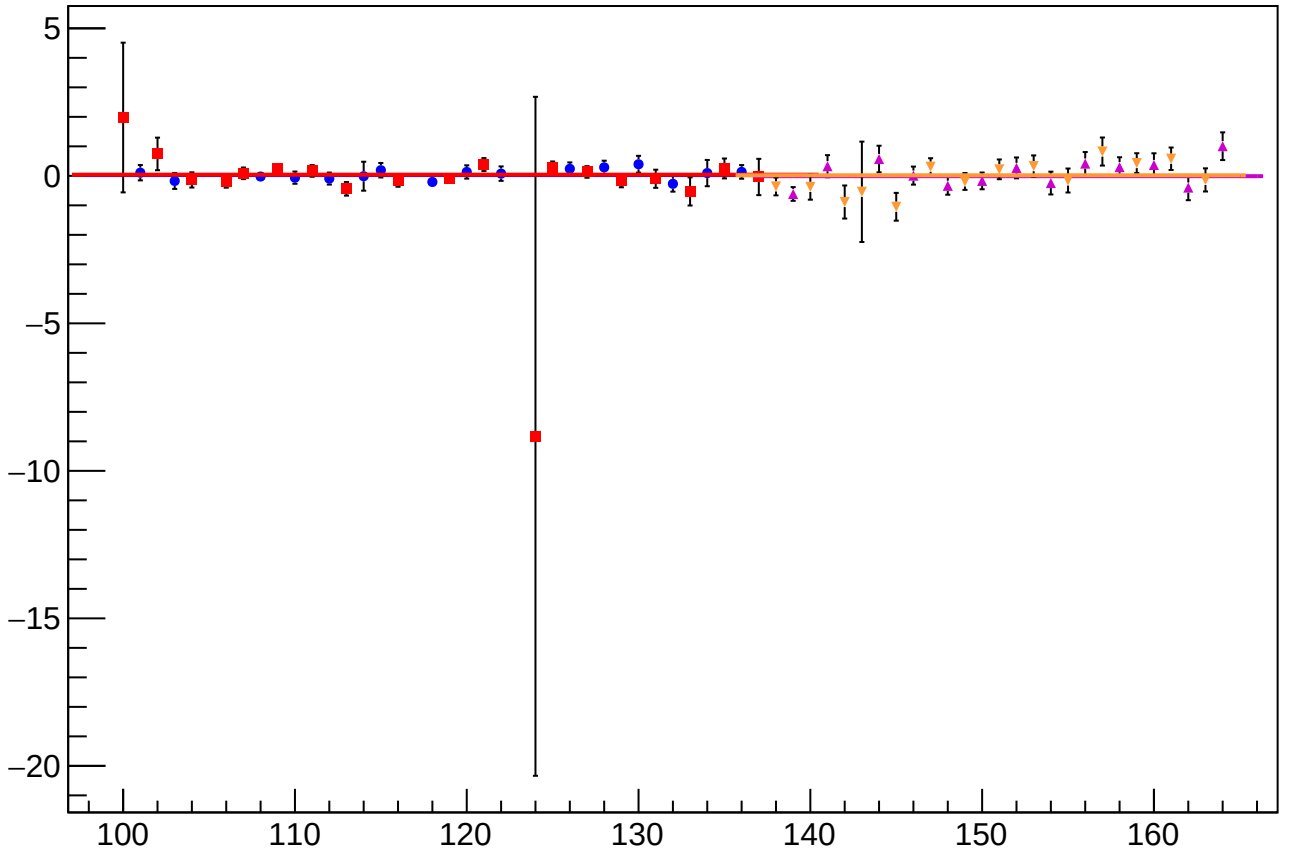
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

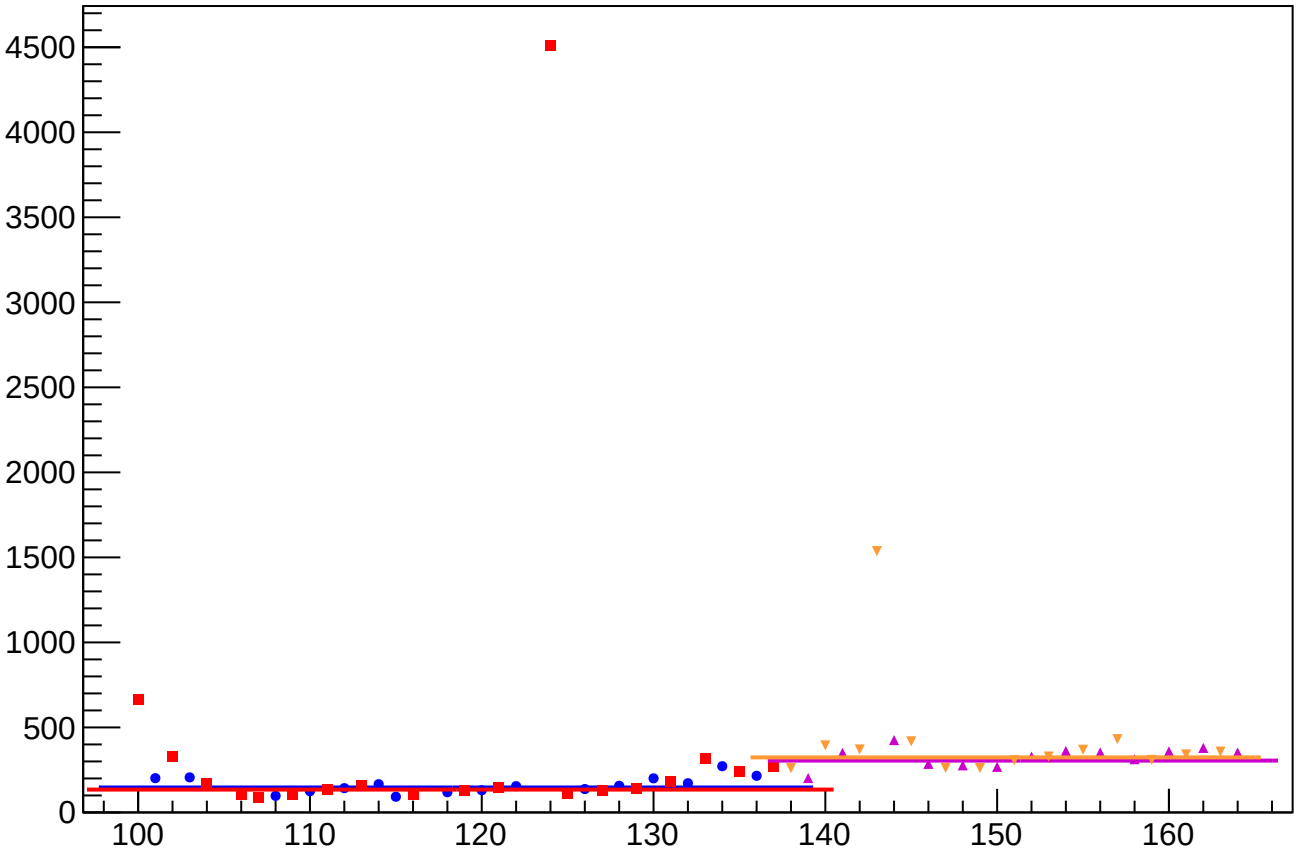
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

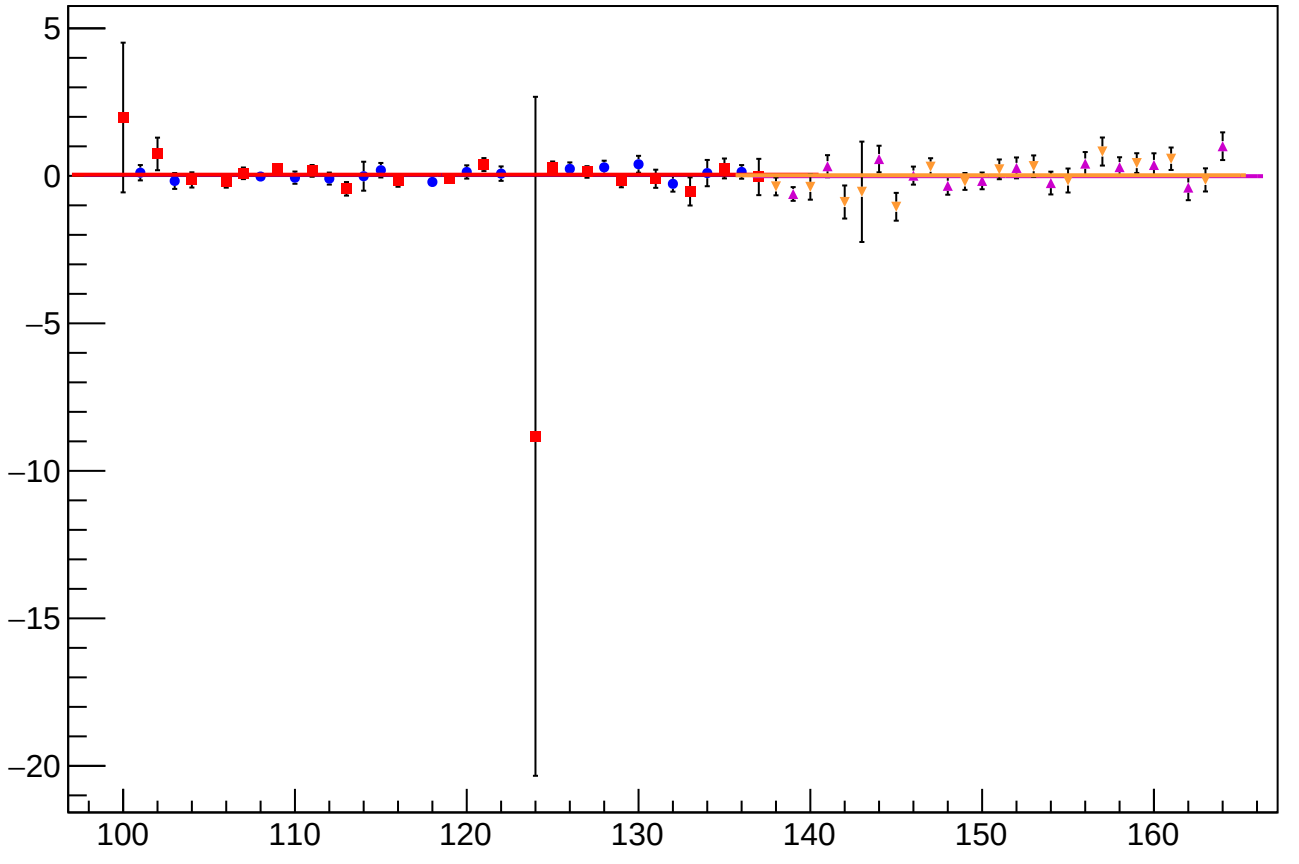
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

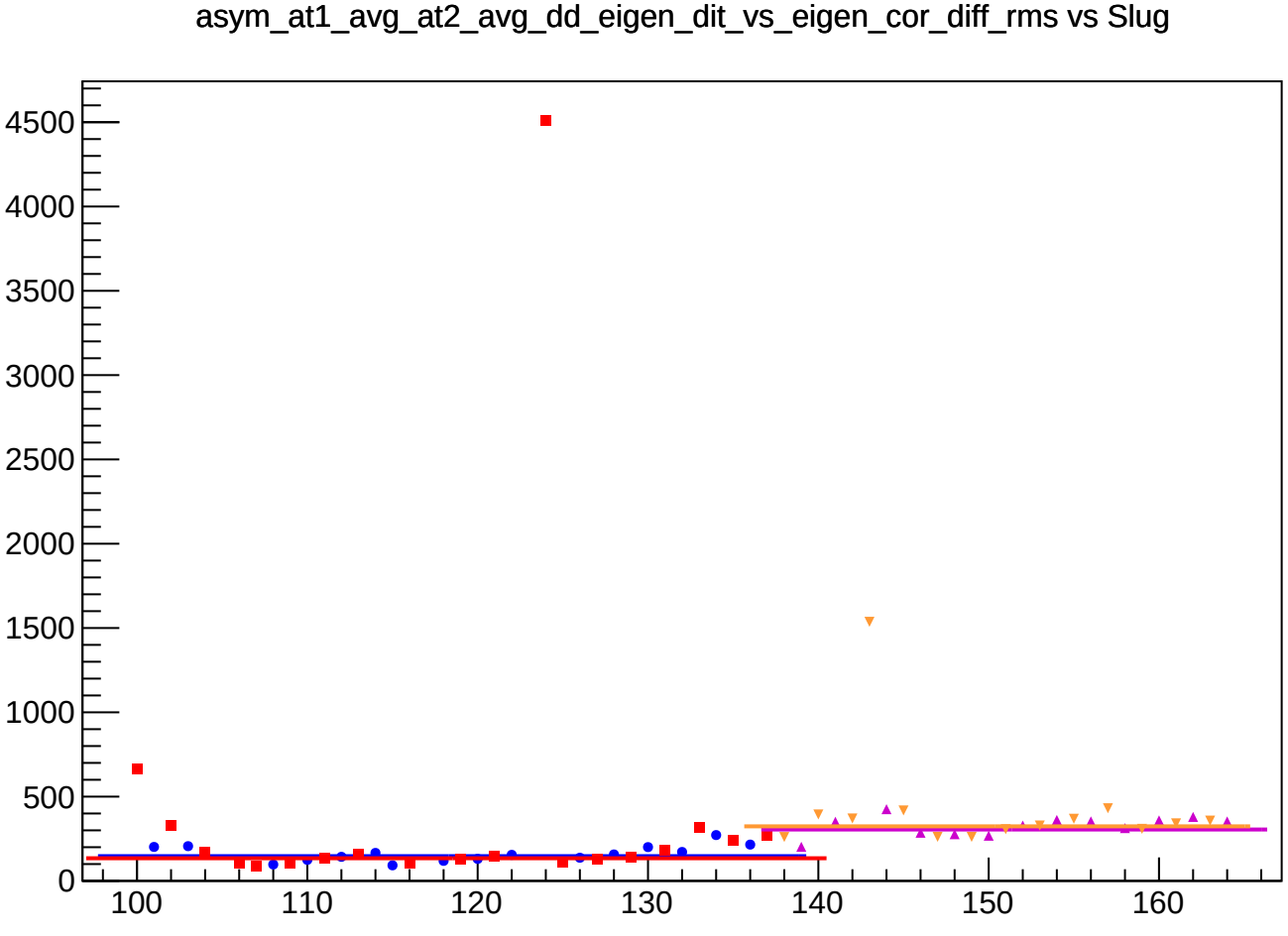
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

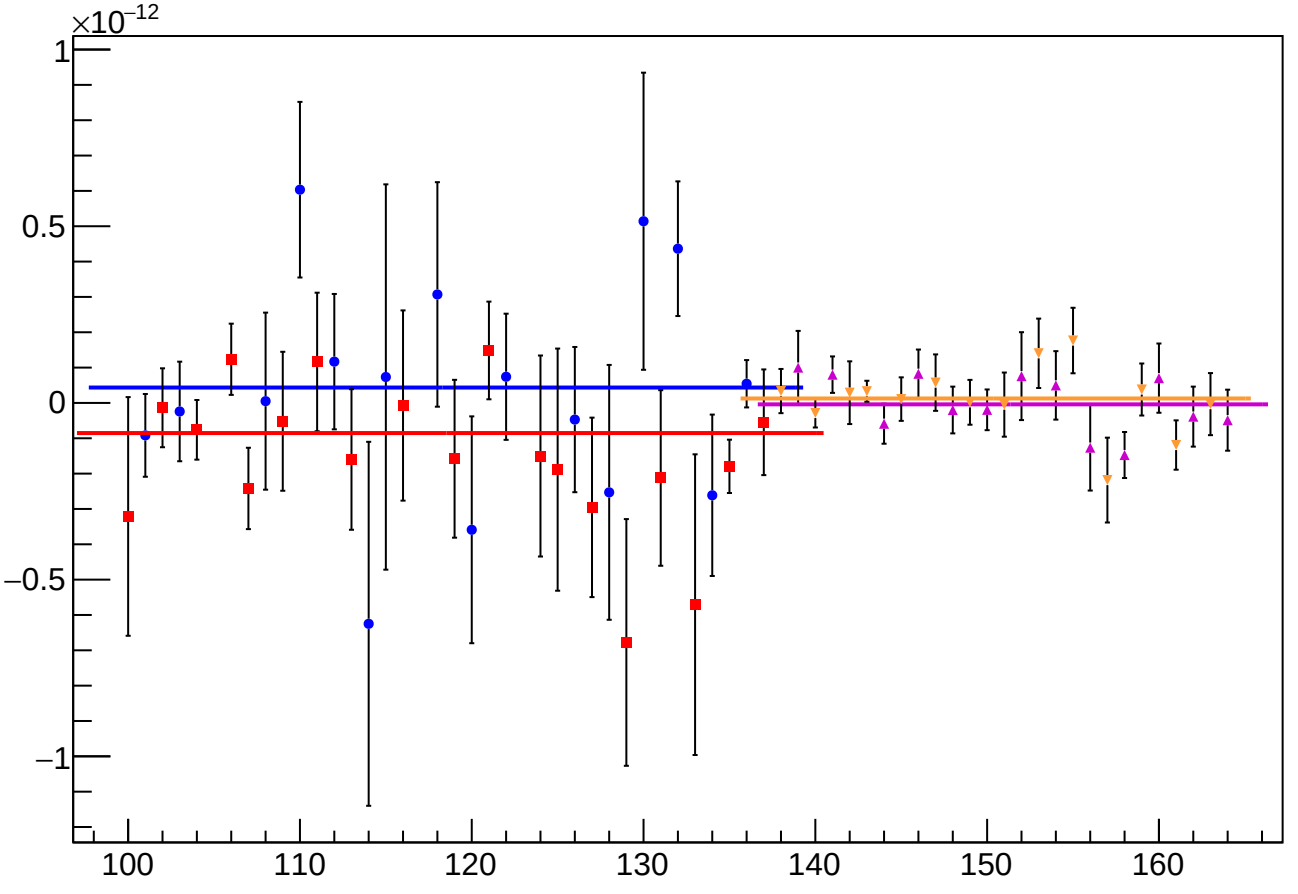
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

- 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:14.3/13

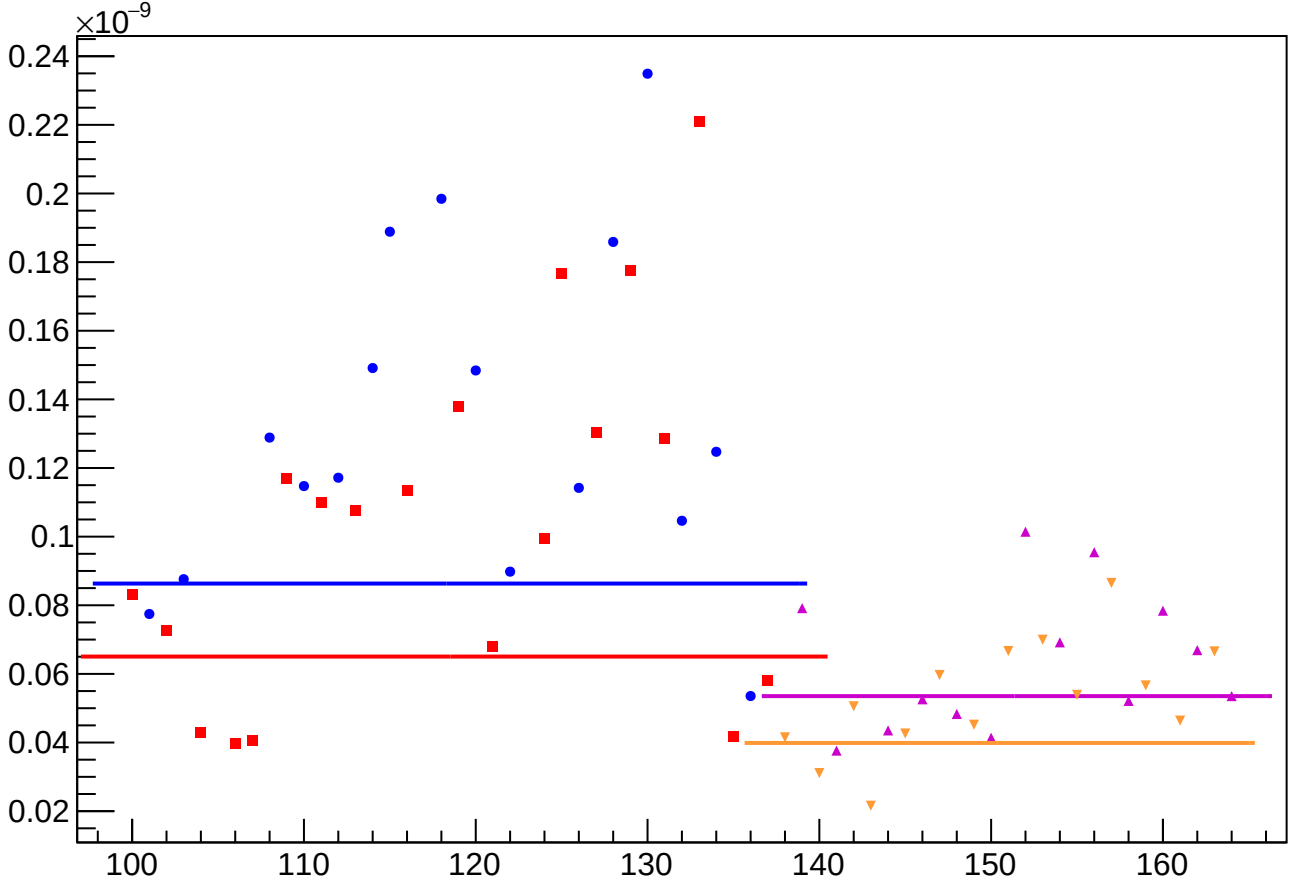
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 73.2/61

- 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:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

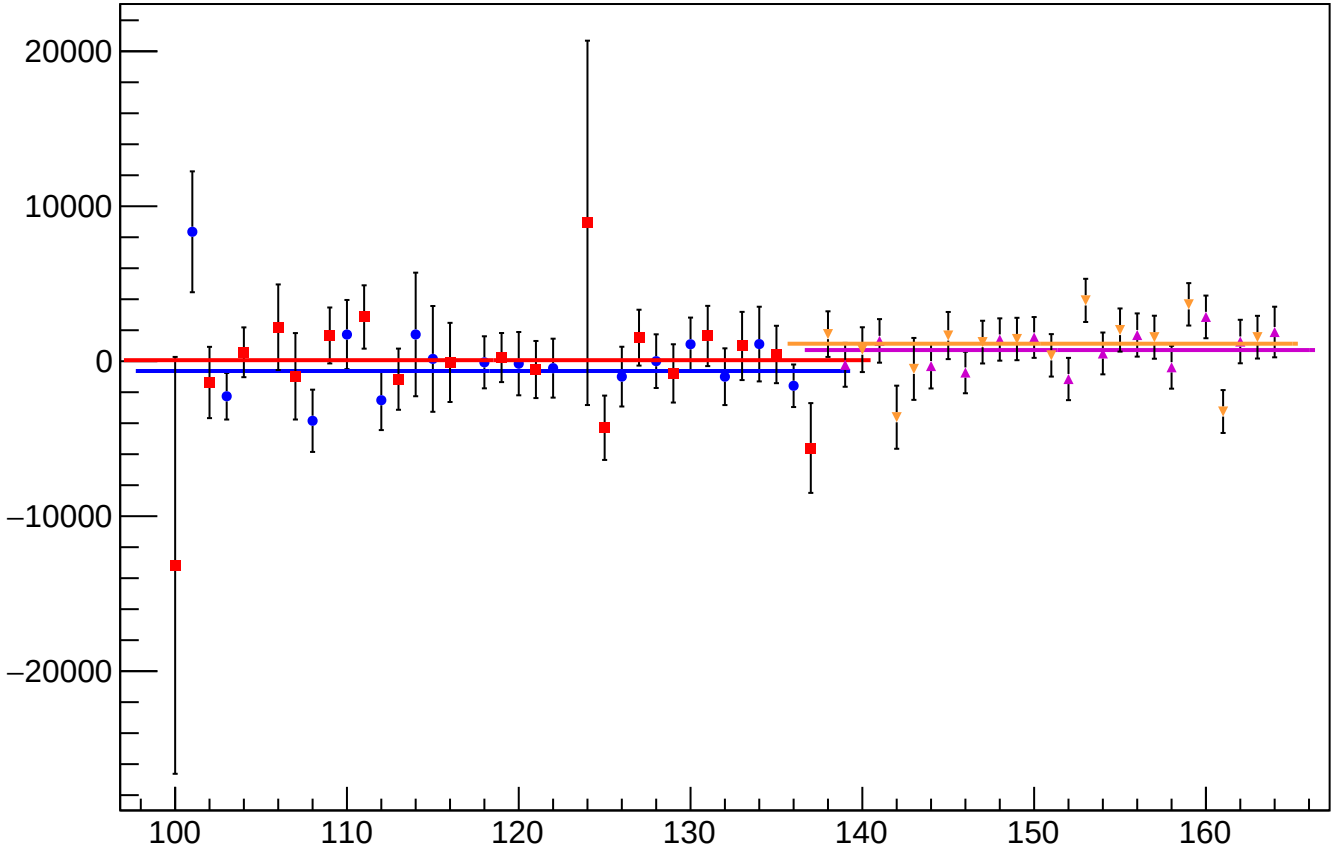
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61

- 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: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

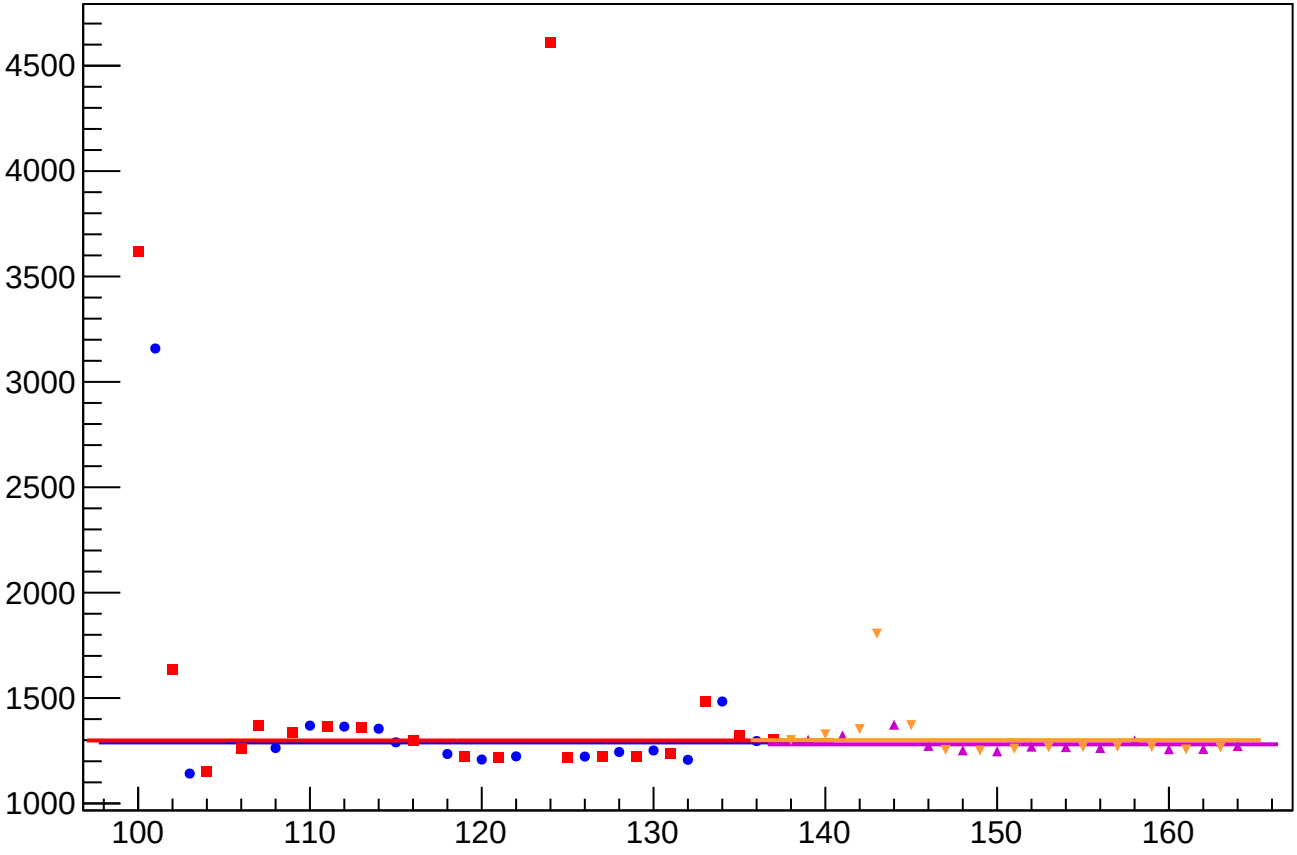
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 457.312+/-214.832 χ^2/NDF: 72.7/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

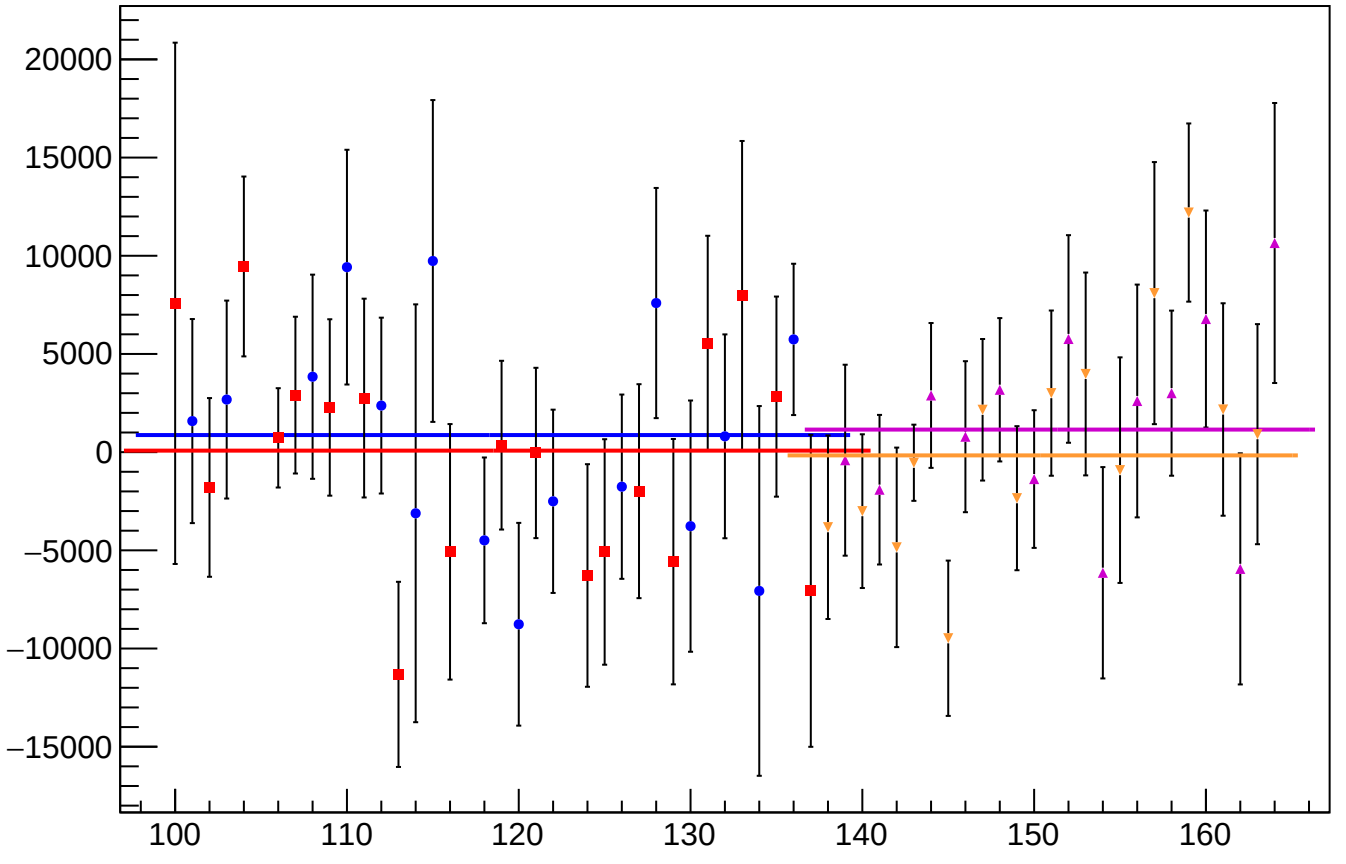
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61

- 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: -165.392+/-1058.655 χ^2/NDF:18.8/13

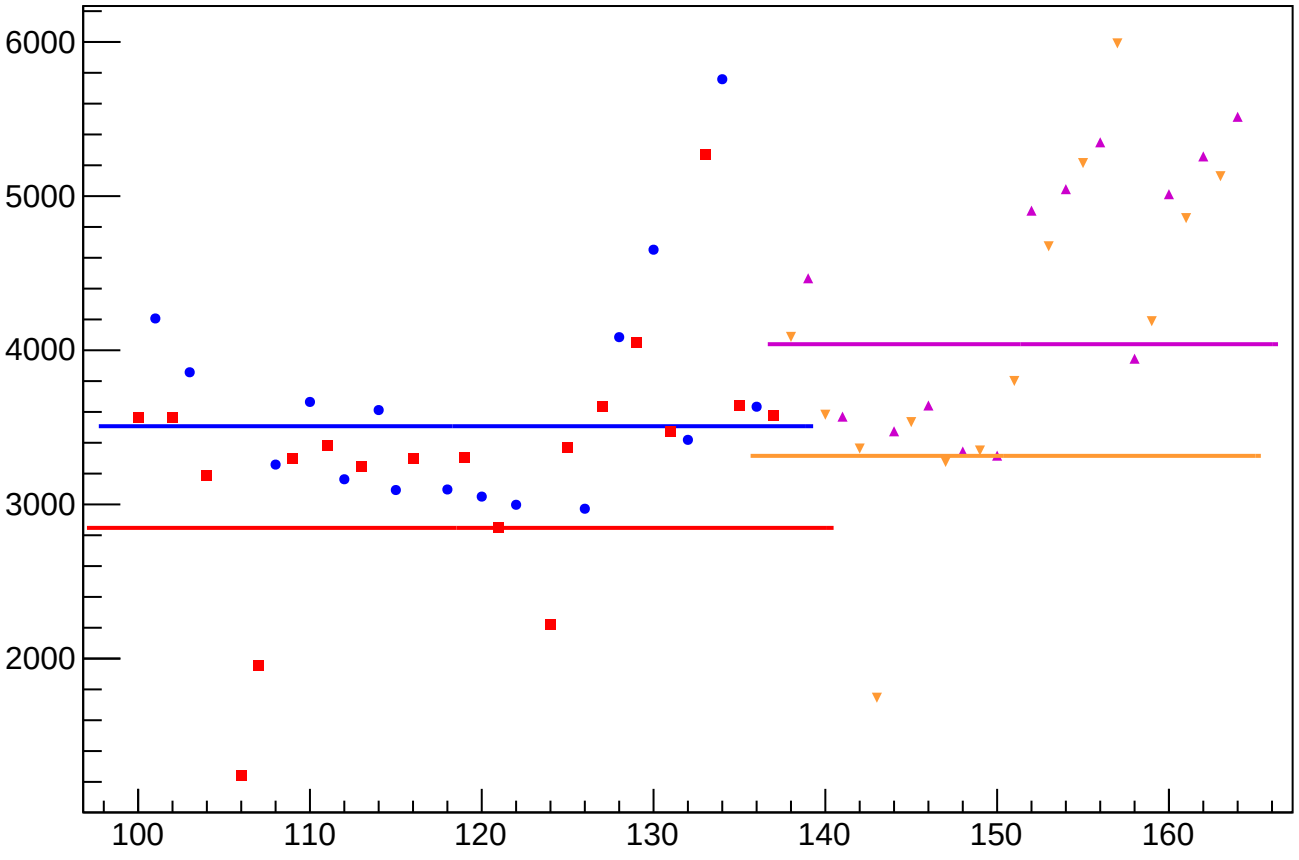
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1148.780+/-1244.618 χ^2/NDF:8.9/12

+ sign 238.049+/-827.147 χ^2/NDF: 33.2/29

All: 394.953+/-585.485 χ^2/NDF: 60.9/61

- 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: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

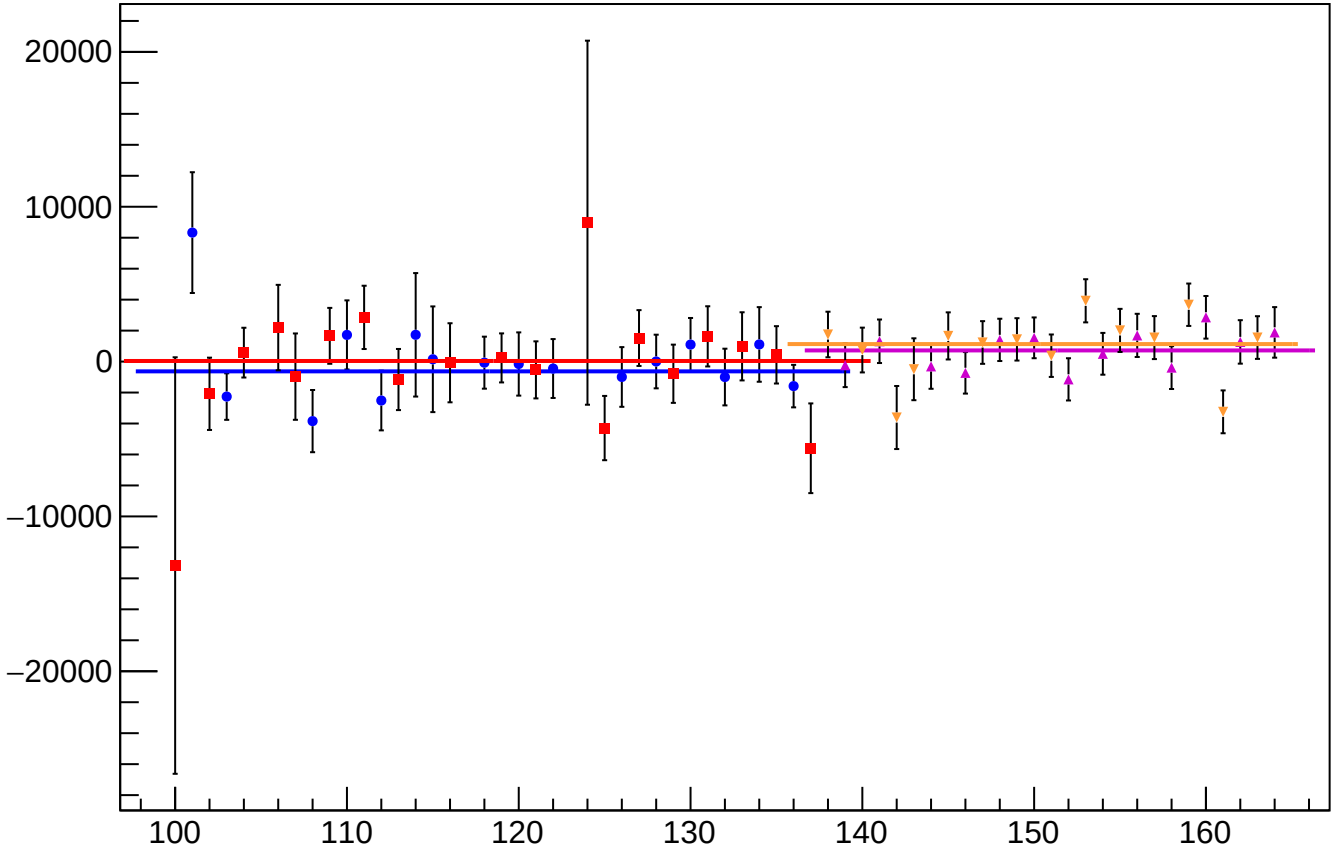
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3383.159+/-0.414 χ^2/NDF: 6158335.0/61

- 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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

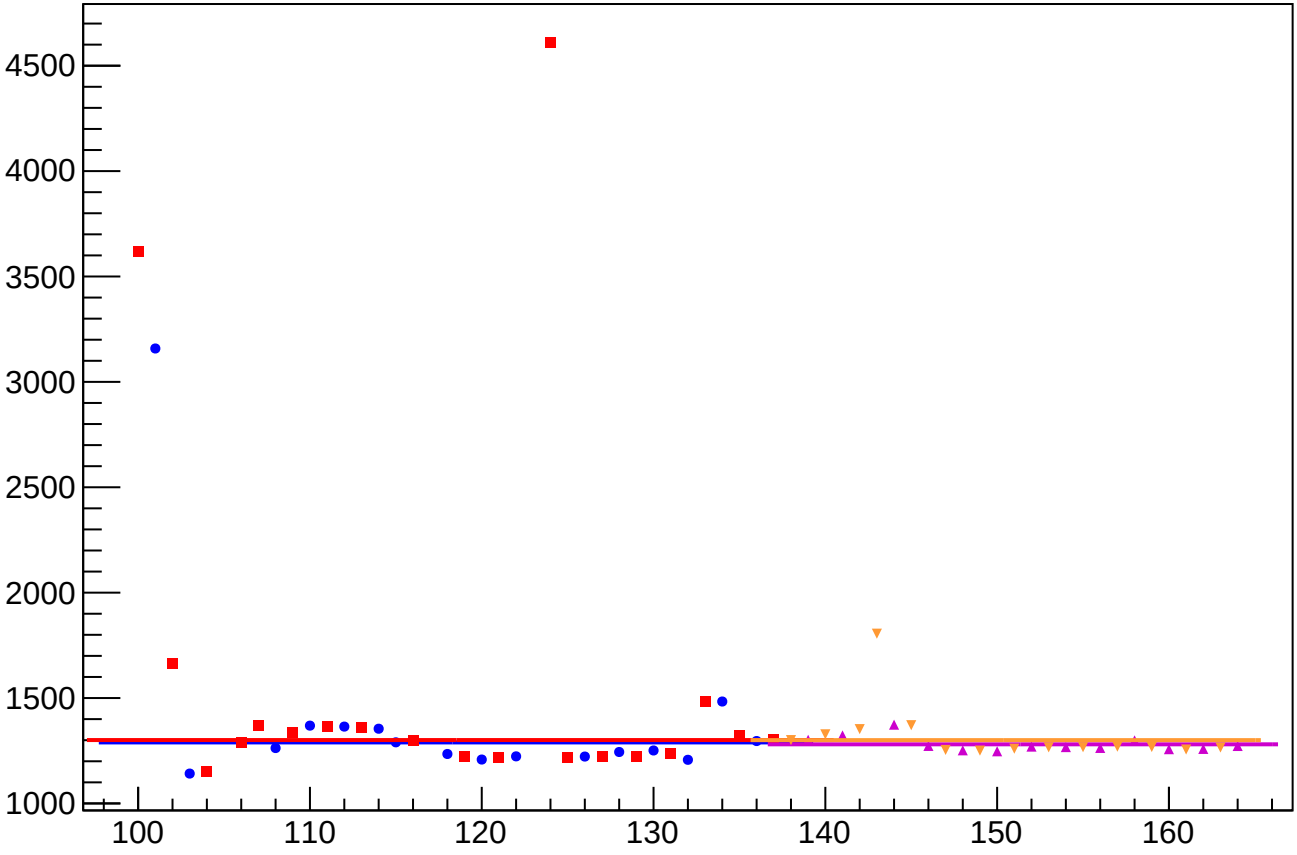
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

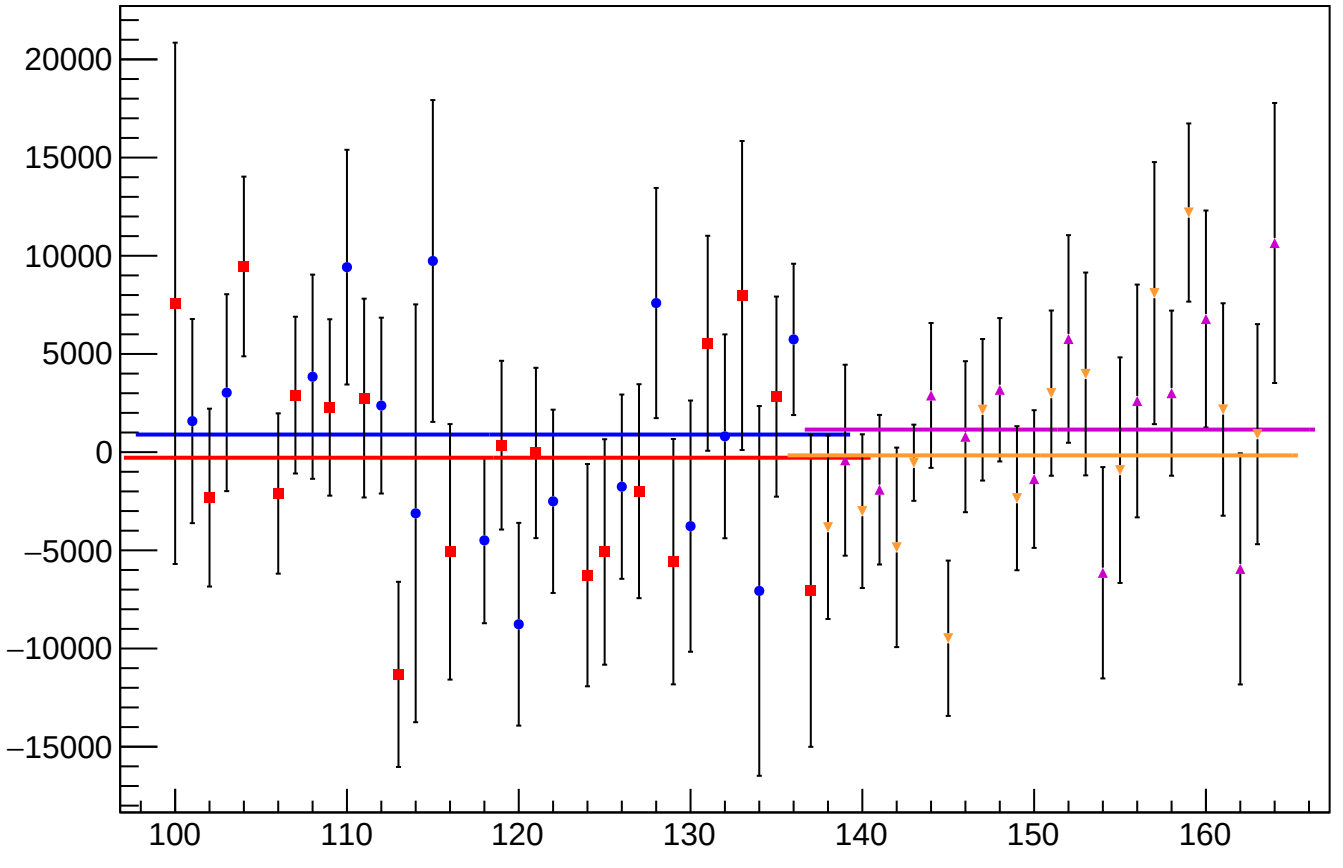
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- 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: -165.293+/-1058.652 χ^2/NDF:18.8/13

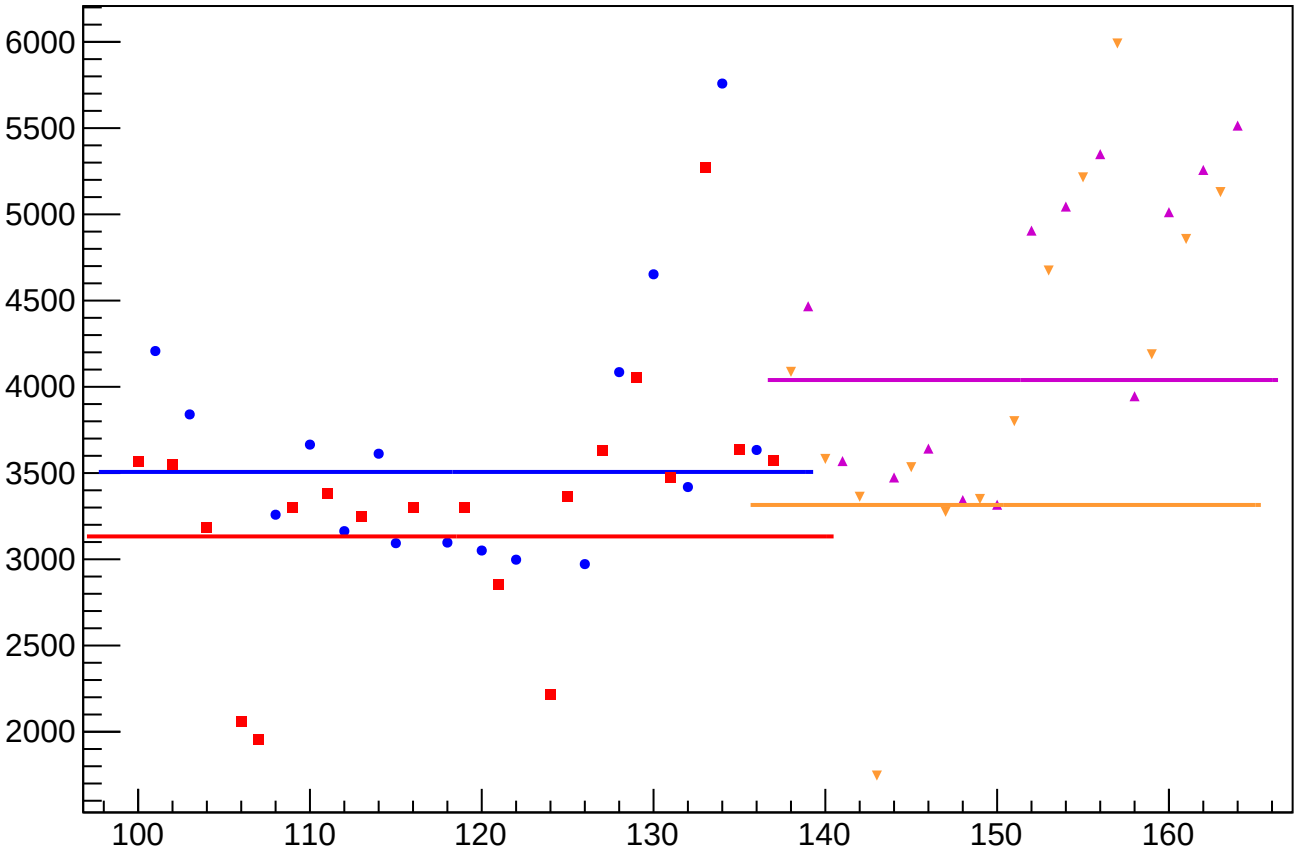
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

\+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 319.570+/-595.291 χ^2/NDF: 61.5/61

\- 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: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

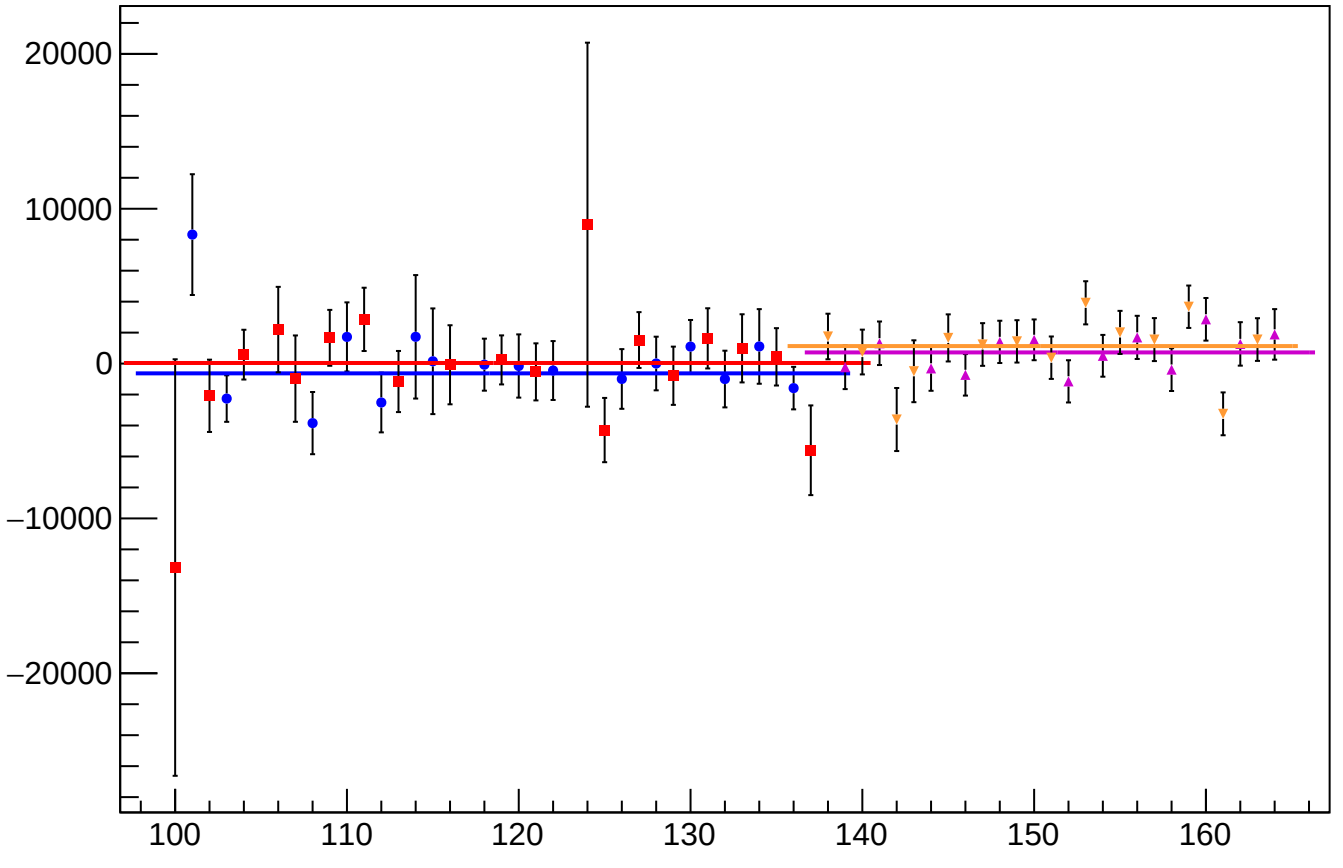
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61

- 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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

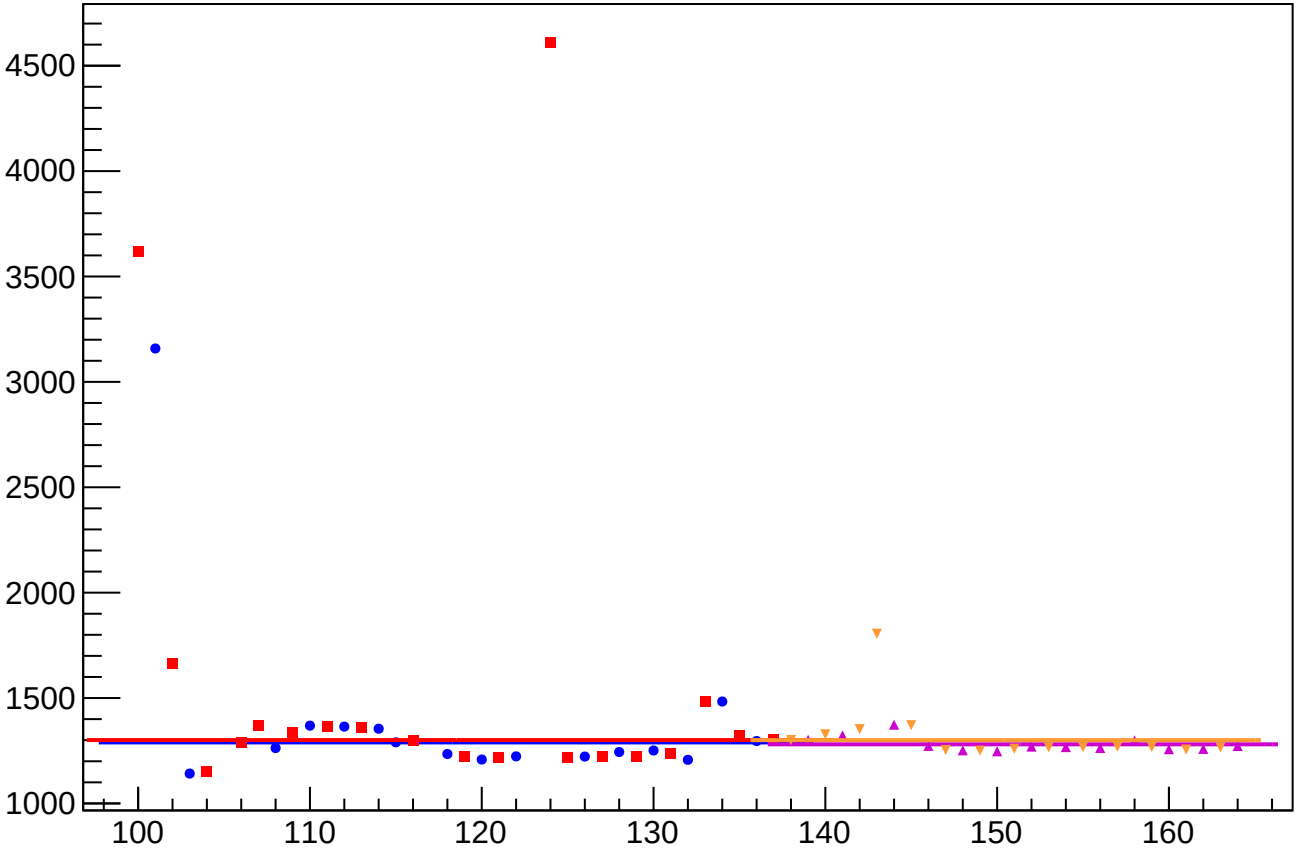
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 451.721+/-214.859 χ^2/NDF: 73.3/61

- 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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

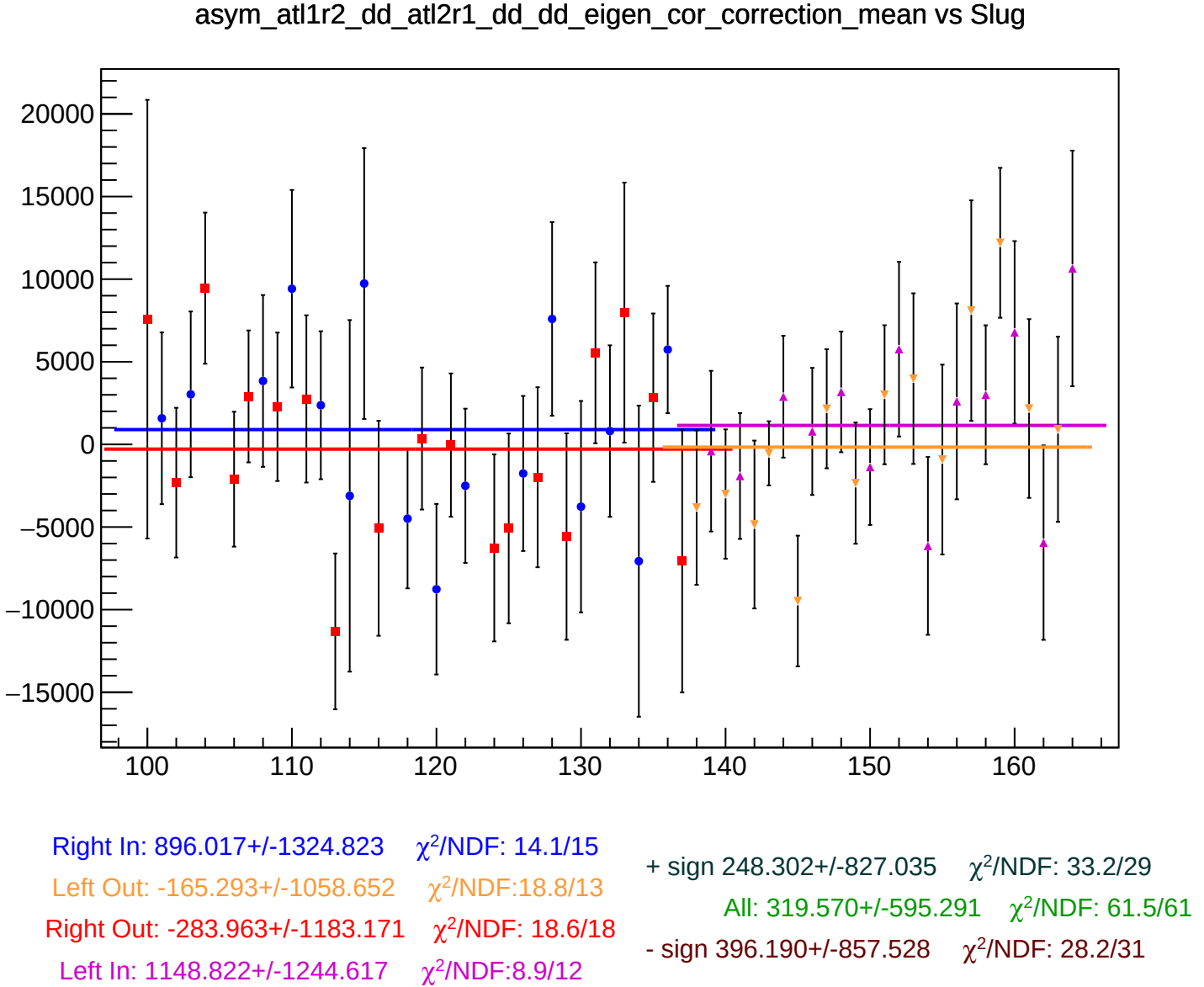
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

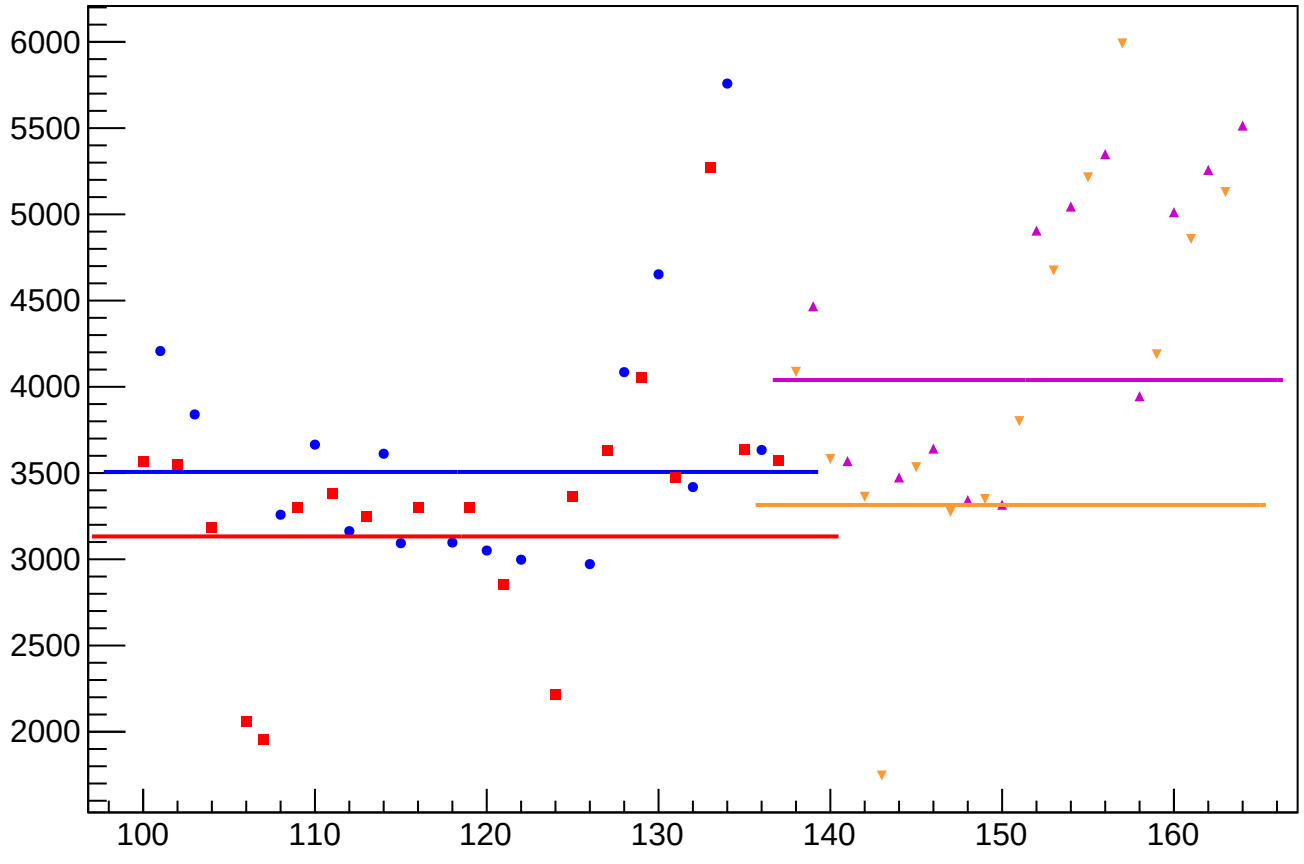
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61

- 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: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1148.822+/-1244.617 χ²/NDF:8.9/12
+ sign 248.302+/-827.035 χ²/NDF: 33.2/29
All: 319.570+/-595.291 χ²/NDF: 61.5/61
- sign 396.190+/-857.528 χ²/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

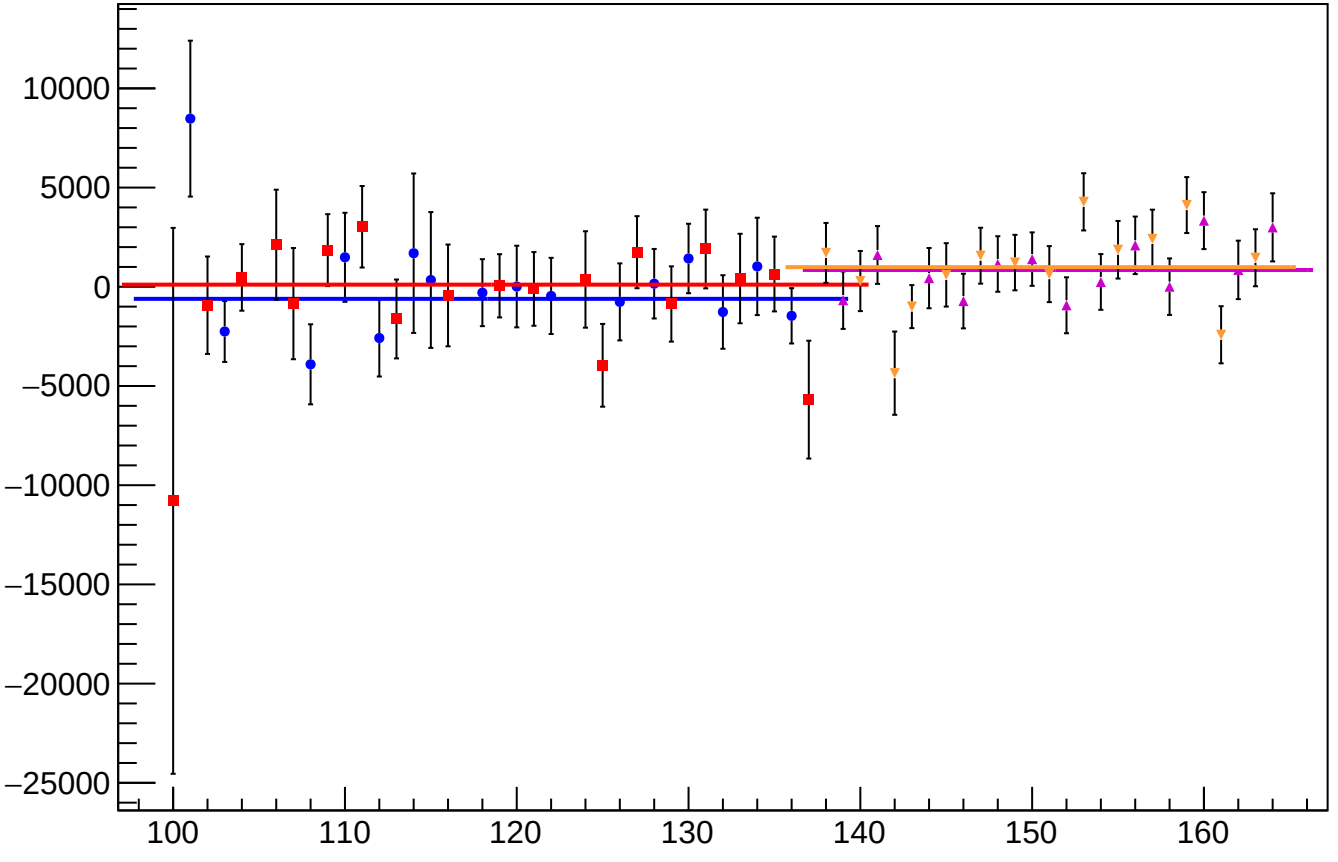
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

\+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61

\- 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: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

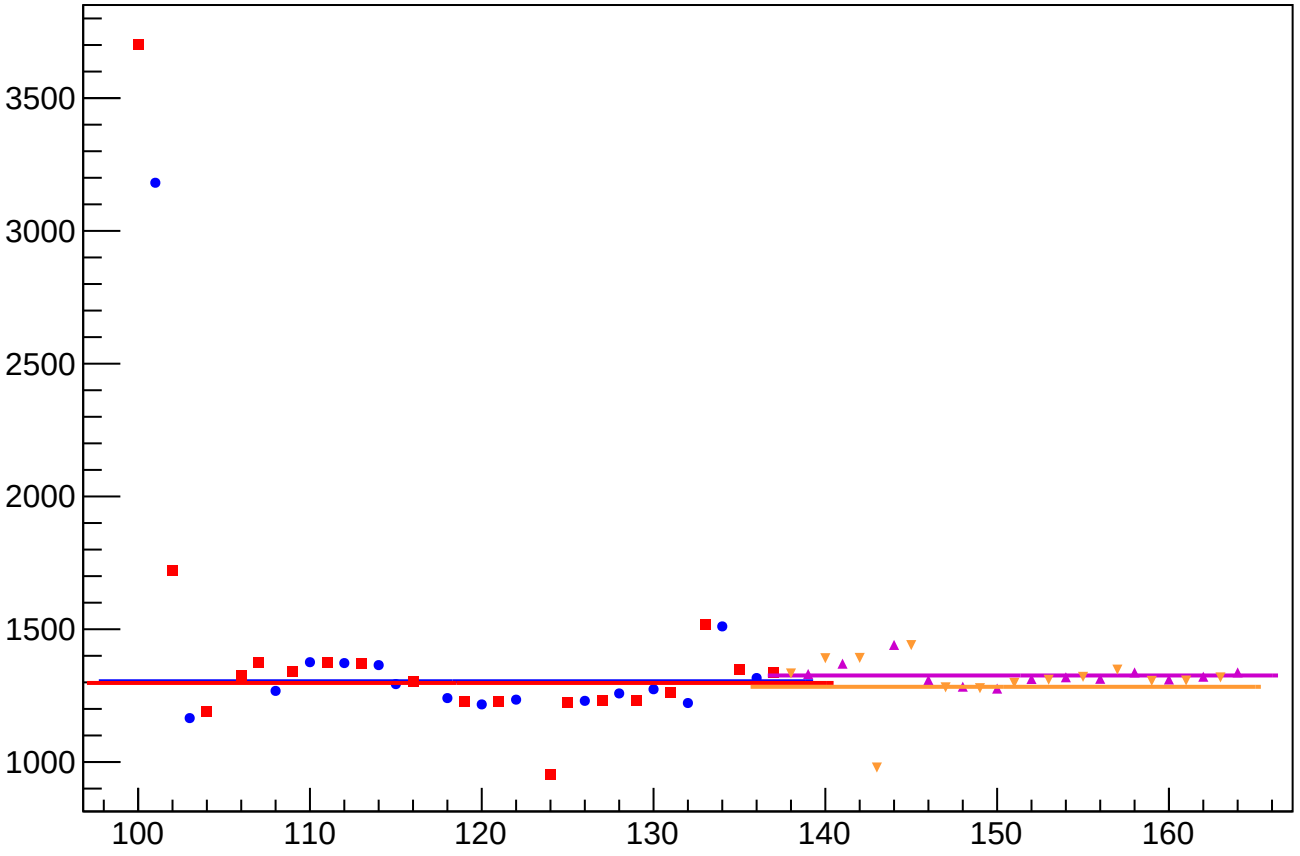
Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 465.883+/-216.584 χ^2/NDF: 75.1/61

- 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: 1283.230+/-0.272 χ^2/NDF:202612.3/13

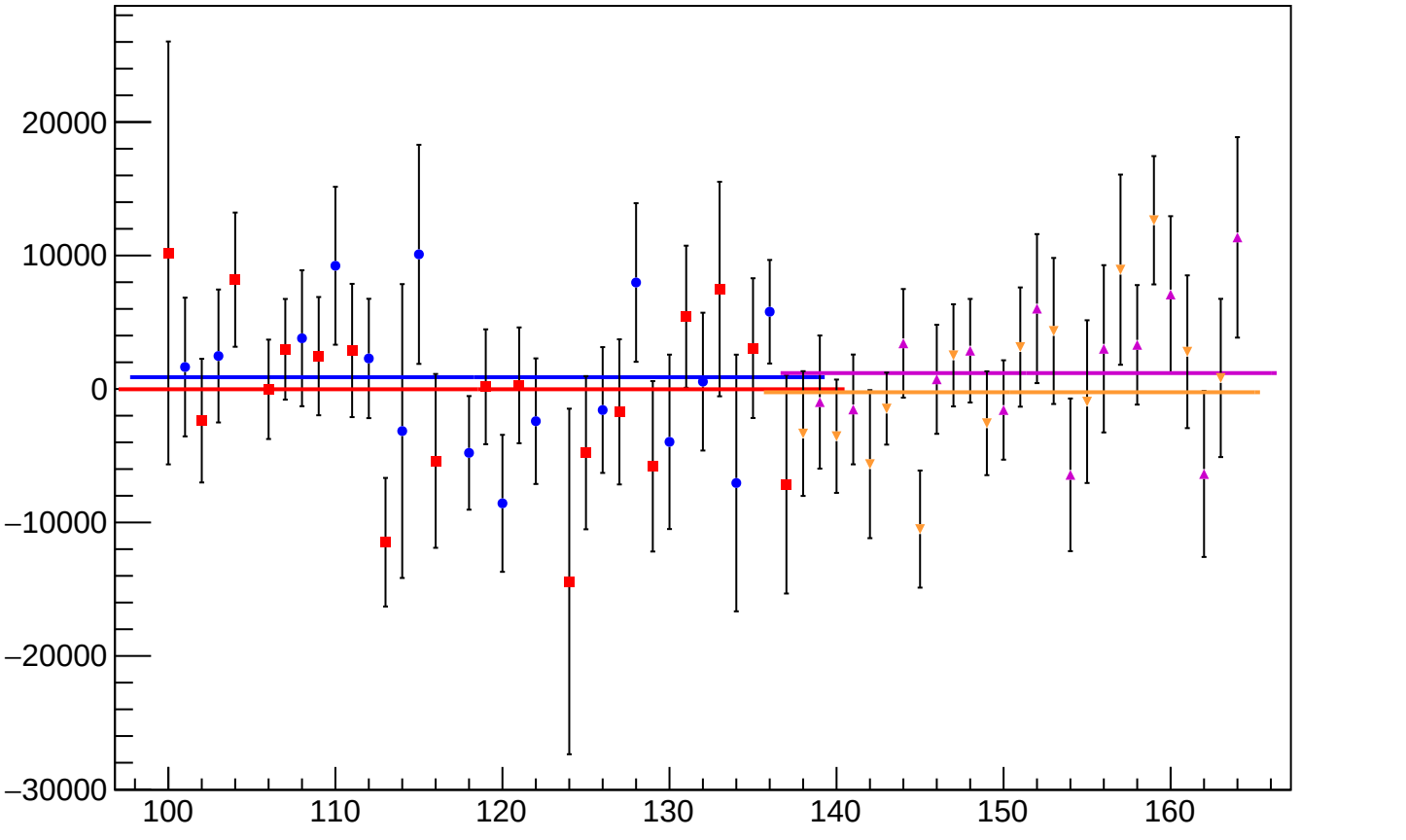
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61

- 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: -243.884+/-1203.871 χ^2/NDF:19.0/13

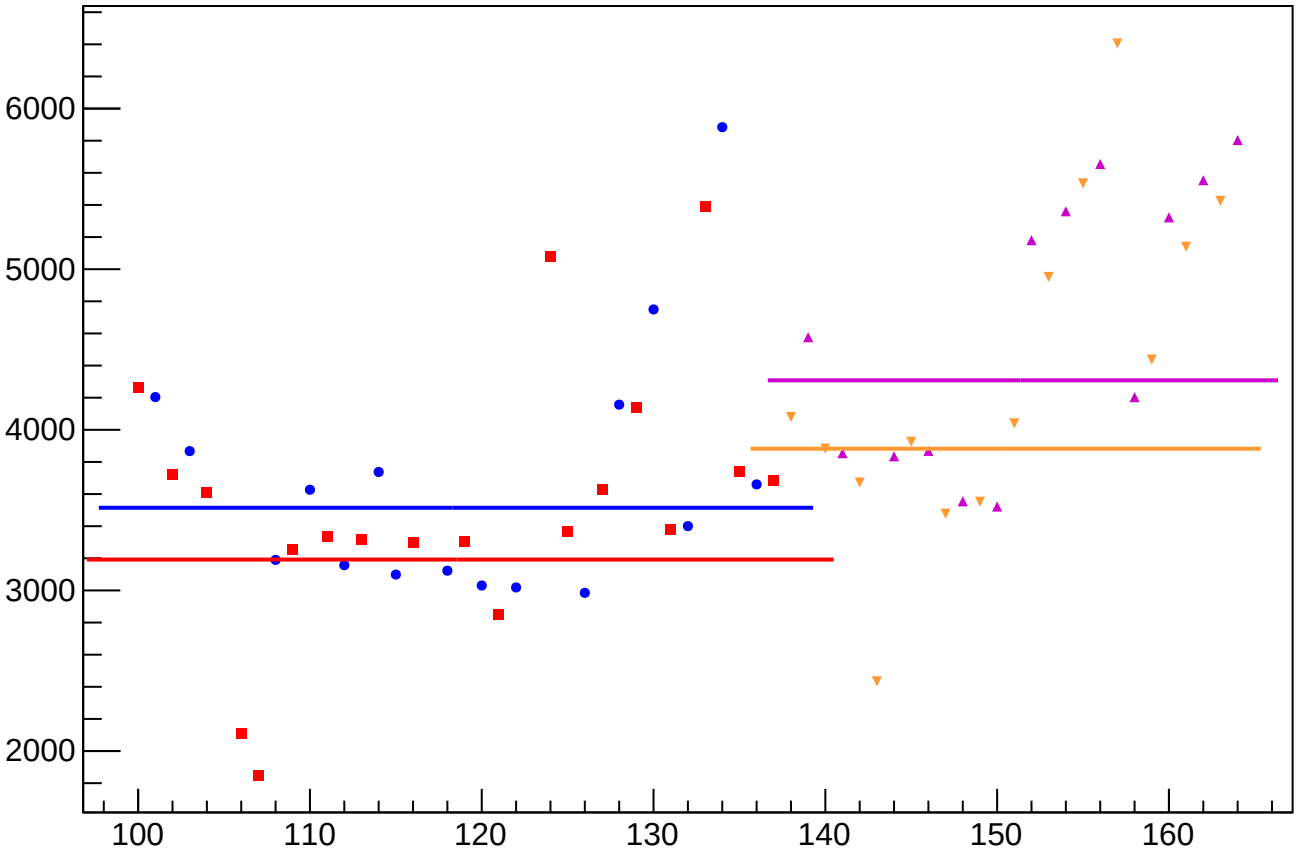
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

- 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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

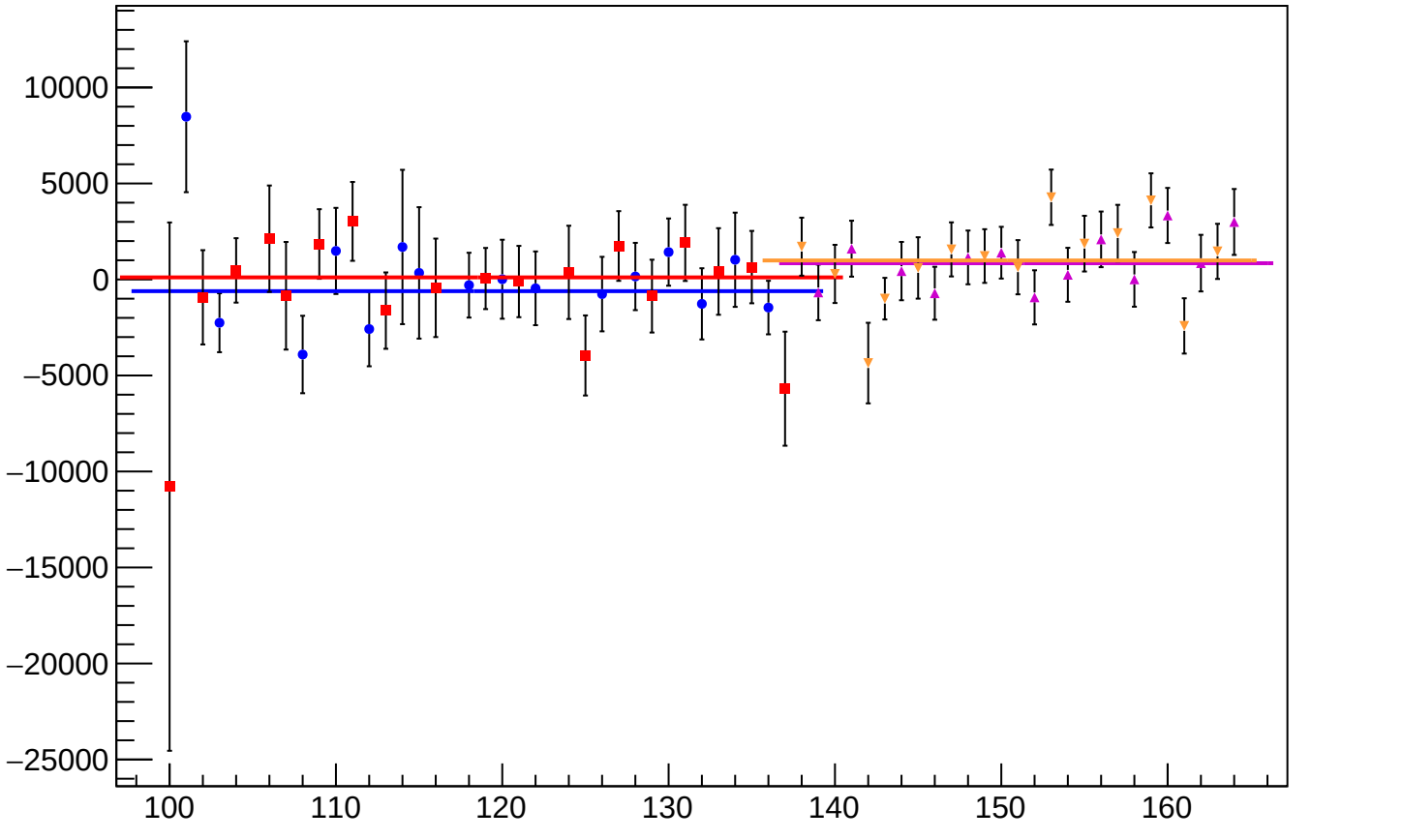
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61

- 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: 989.716+/-384.960 χ^2/NDF:27.8/13

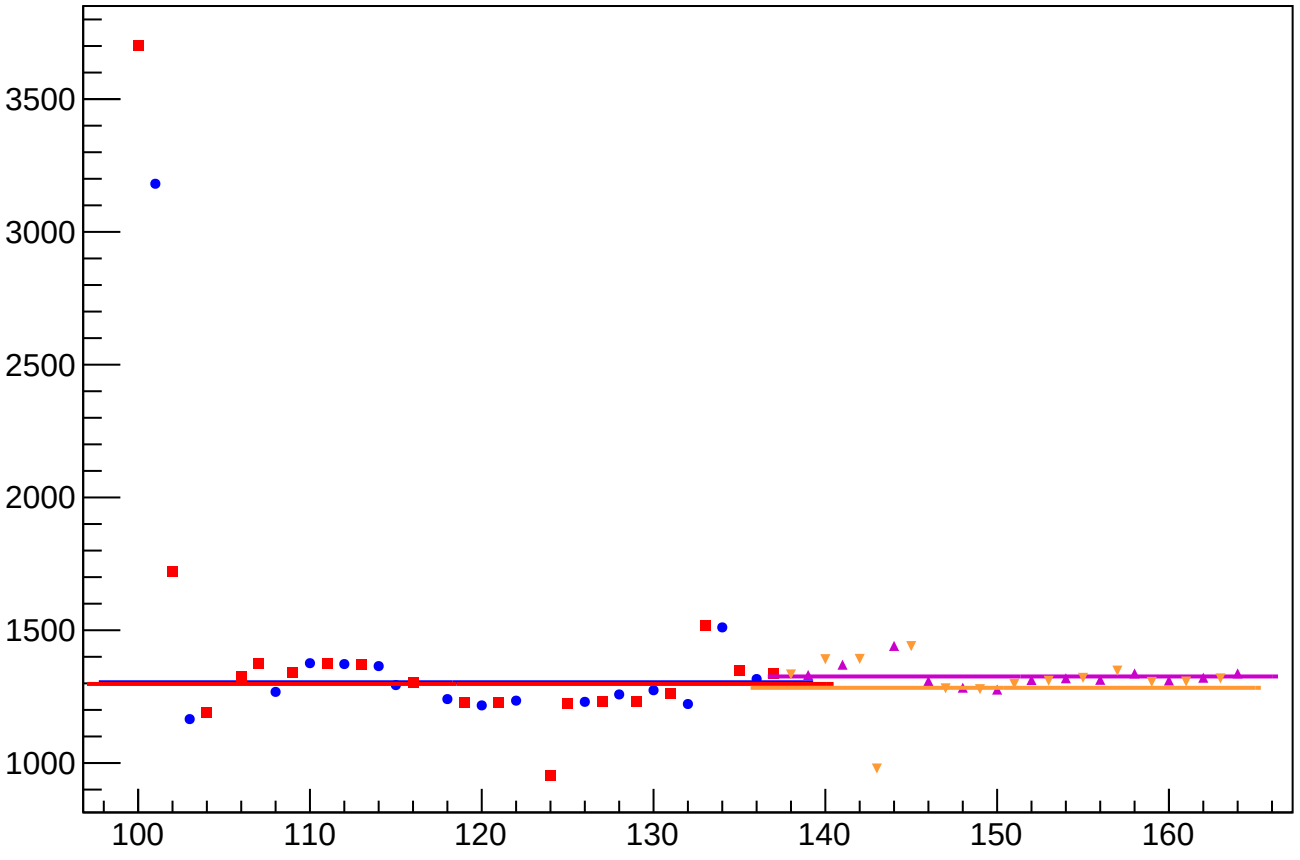
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 465.885+/-216.584 χ^2/NDF: 75.1/61

- 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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

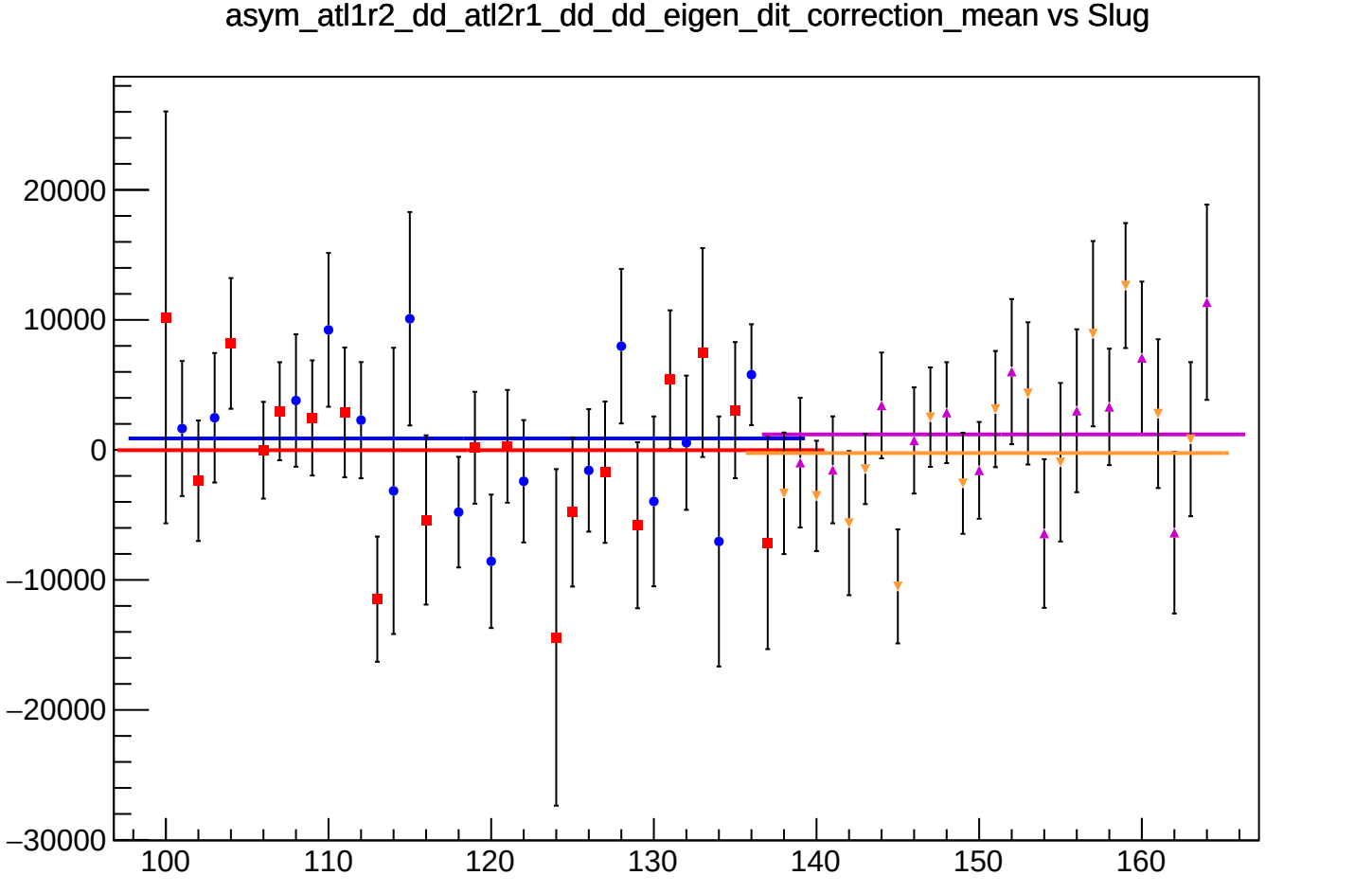
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61

- 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: -243.880+/-1203.873 χ^2/NDF:19.0/13

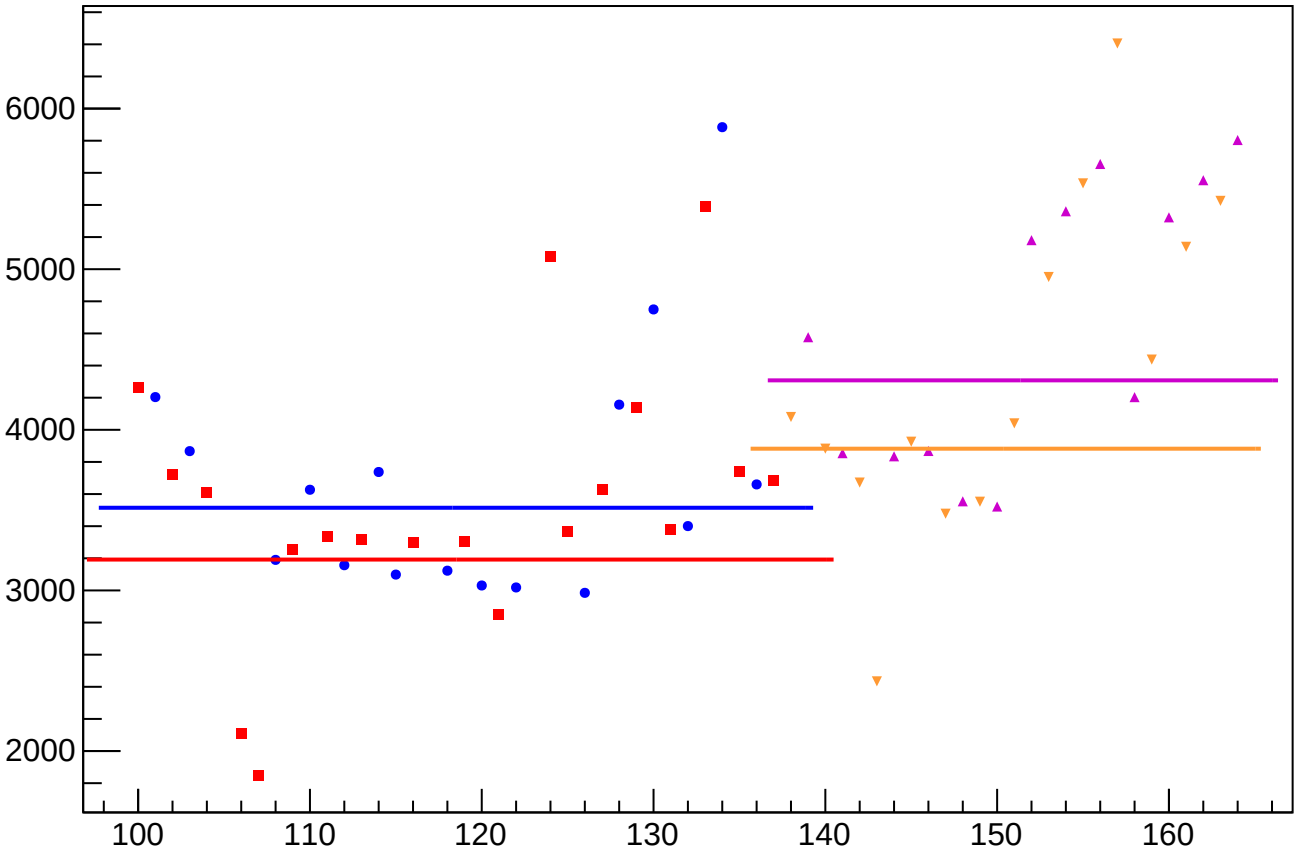
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

\+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 395.408+/-629.846 χ^2/NDF: 59.7/61

\- 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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

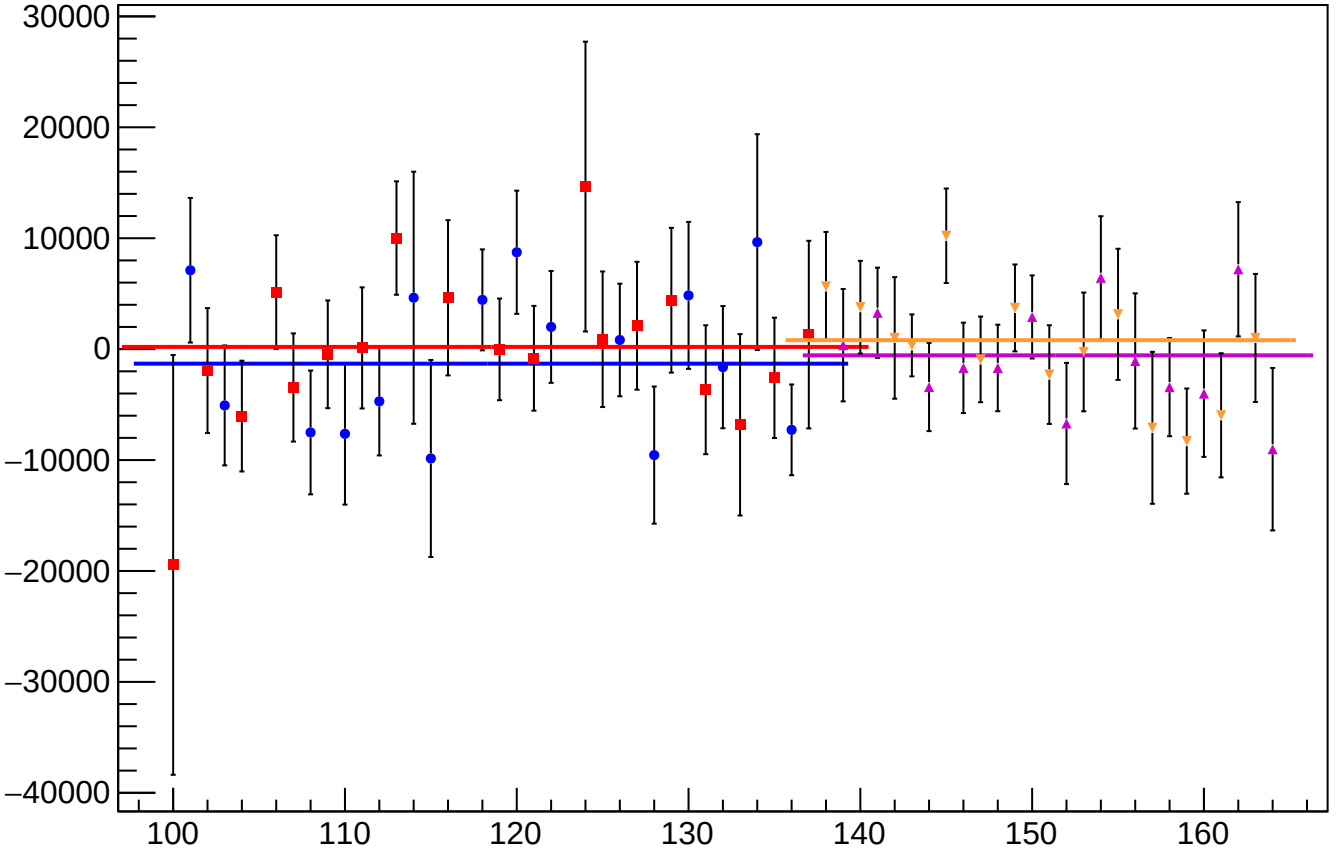
Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61

- sign 3694.578+/-0.629 χ^2/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: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

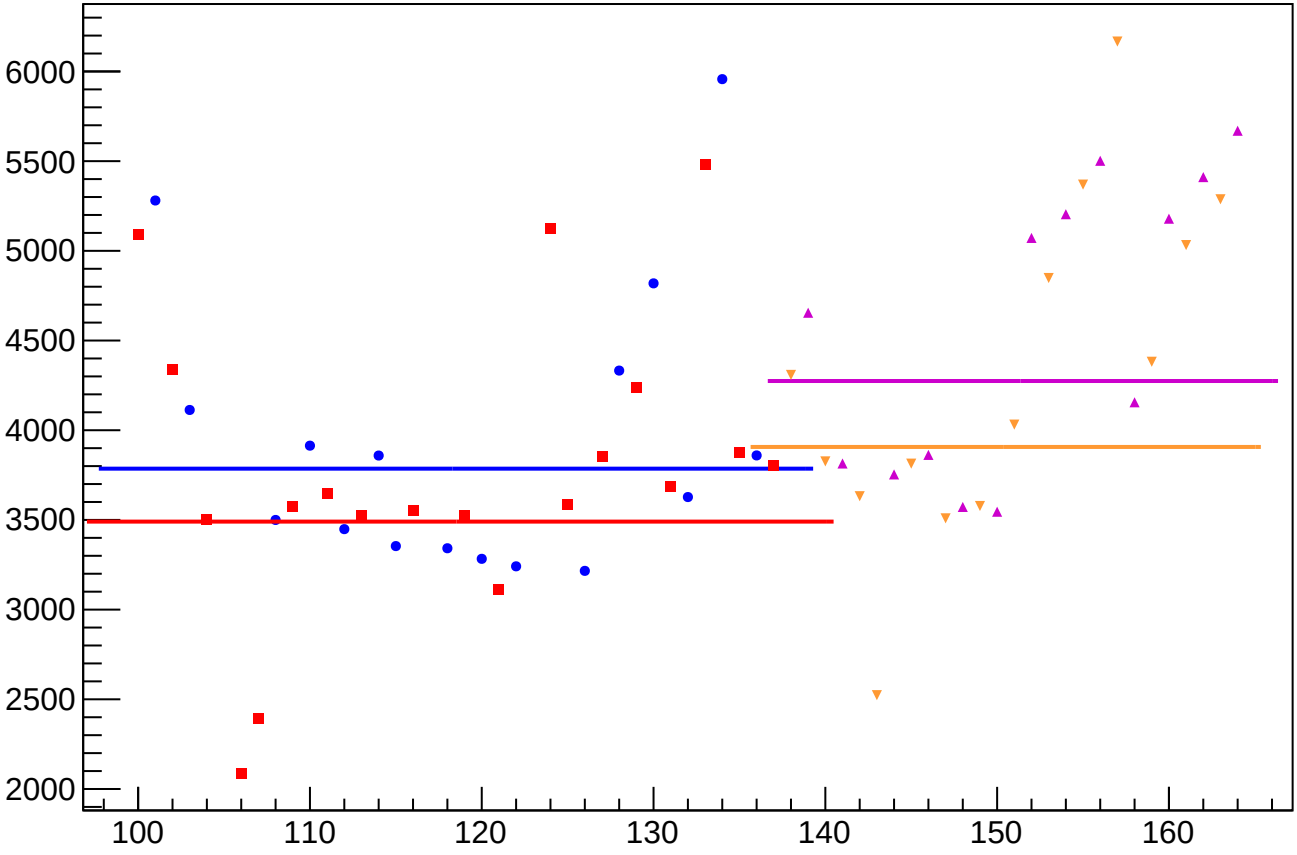
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -126.438+/-656.866 χ^2/NDF: 54.1/61

- 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: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

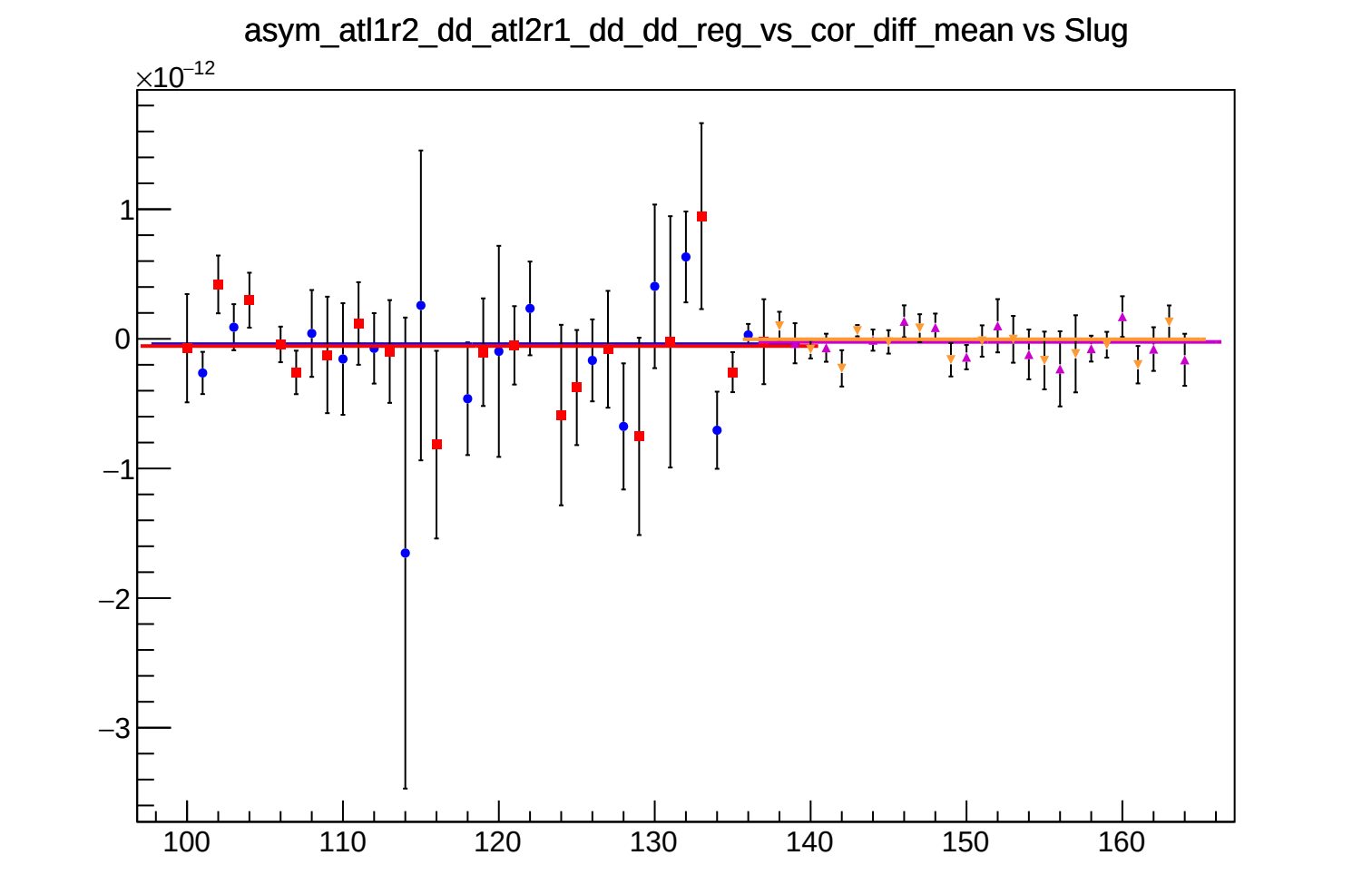
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3870.236+/-0.463 χ^2/NDF: 3105332.8/61

- 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:12.8/13

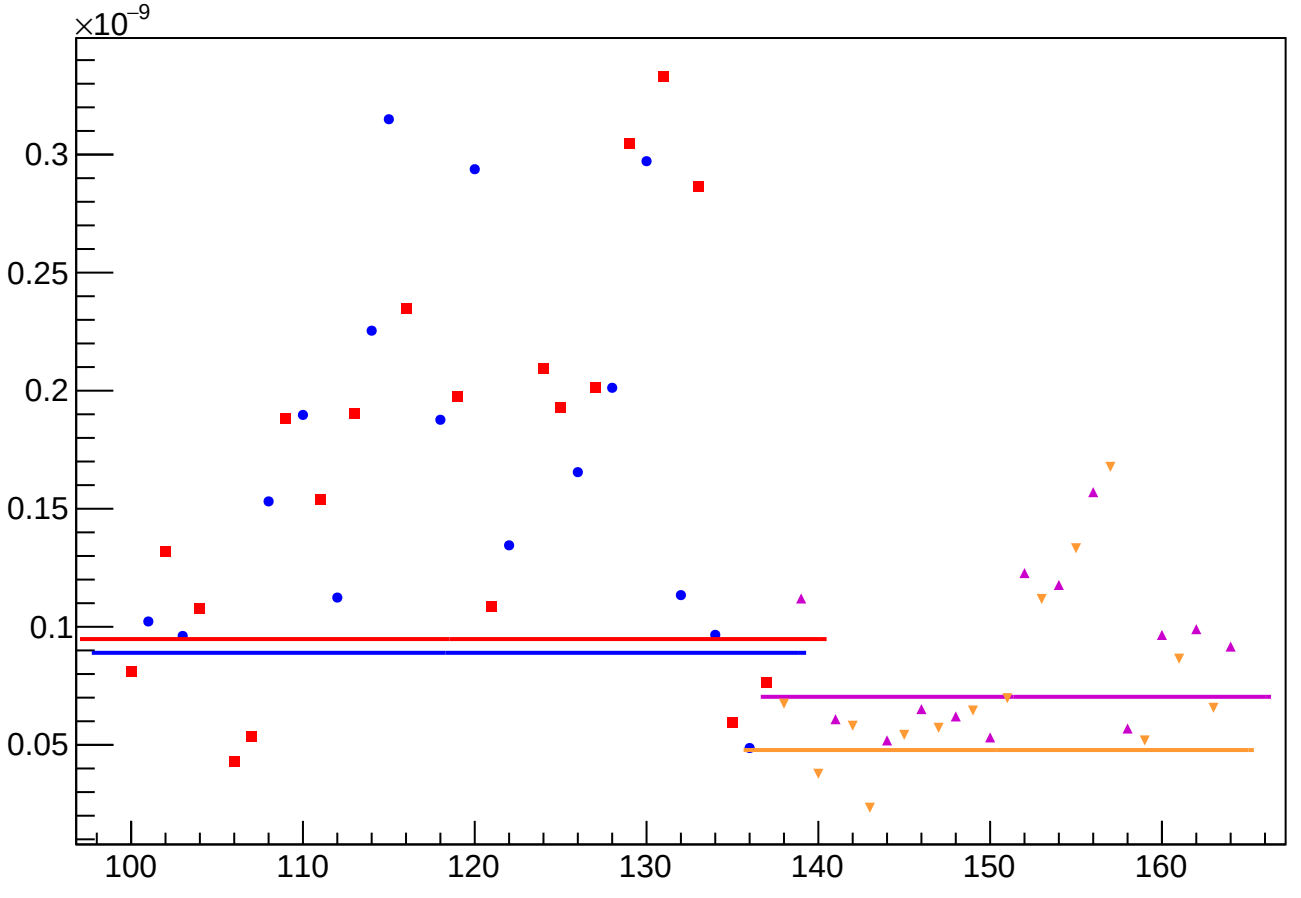
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 54.2/61

- 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:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

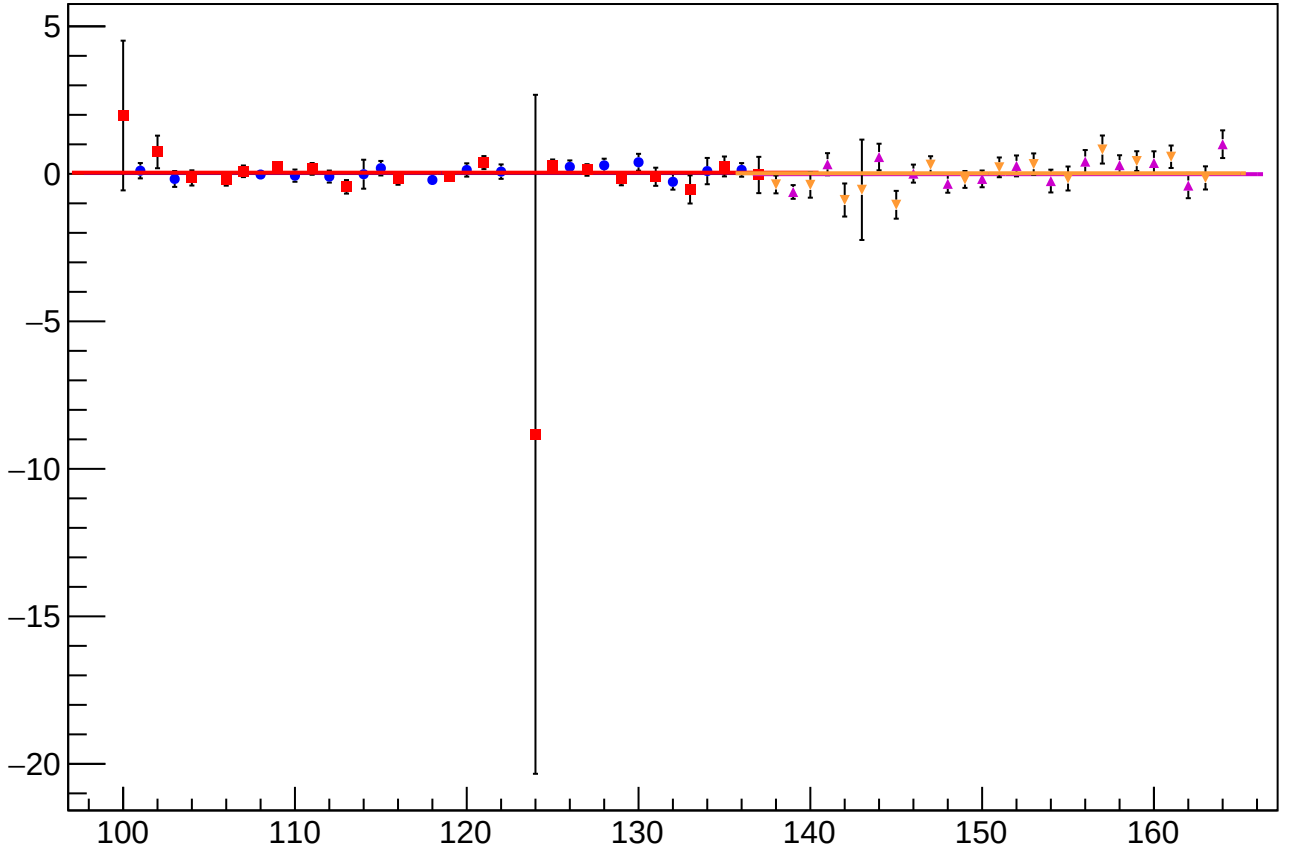
Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

- sign 0.000+/-0.000 χ^2/NDF: 2904932.6/31

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

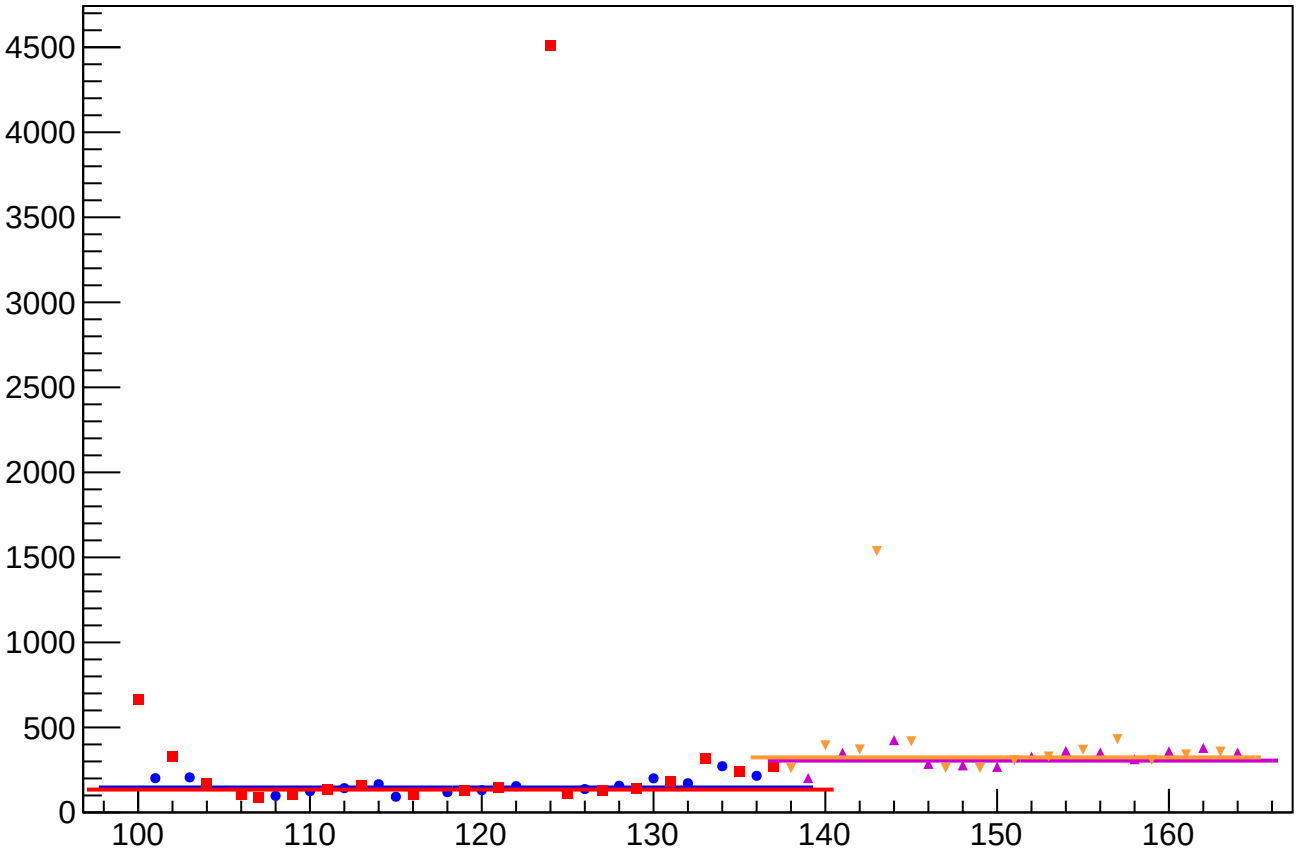
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

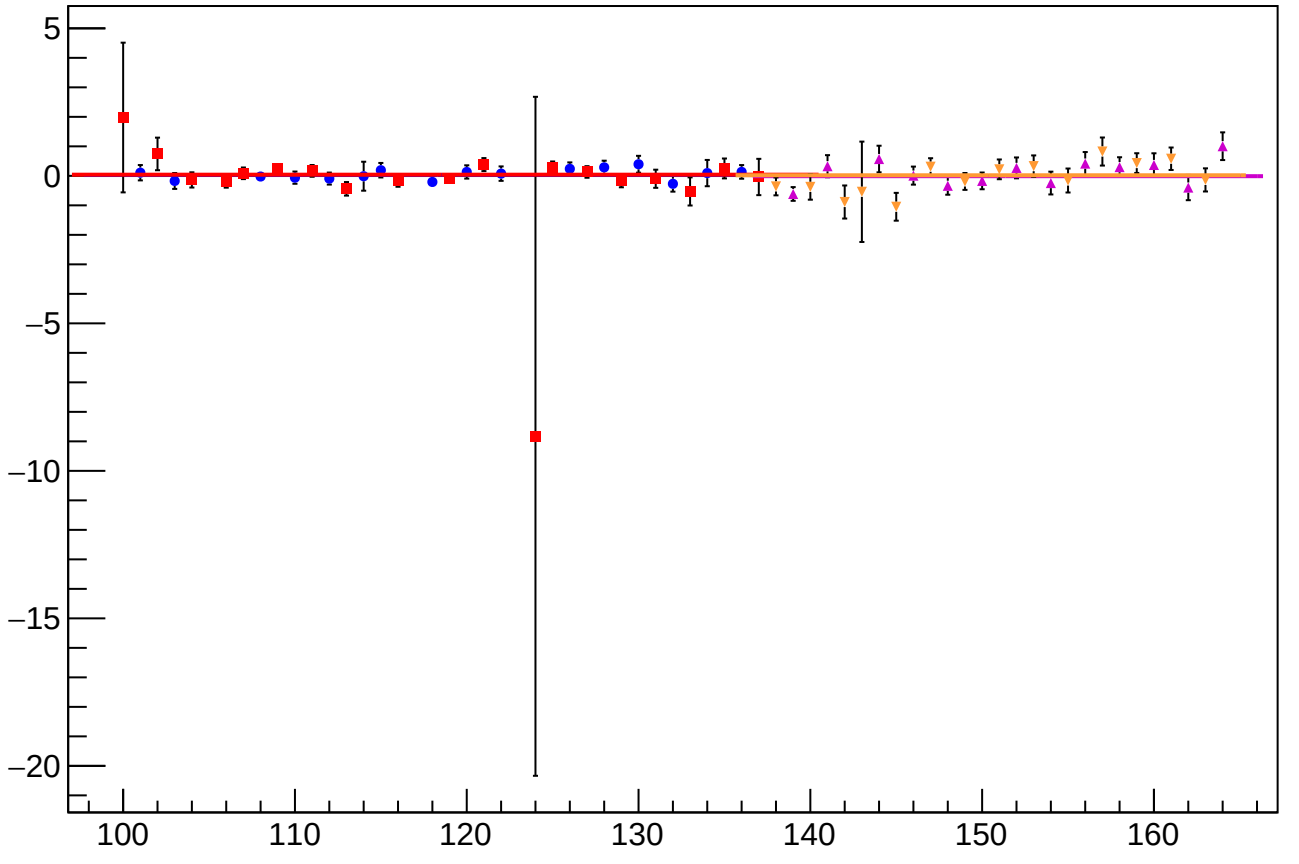
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

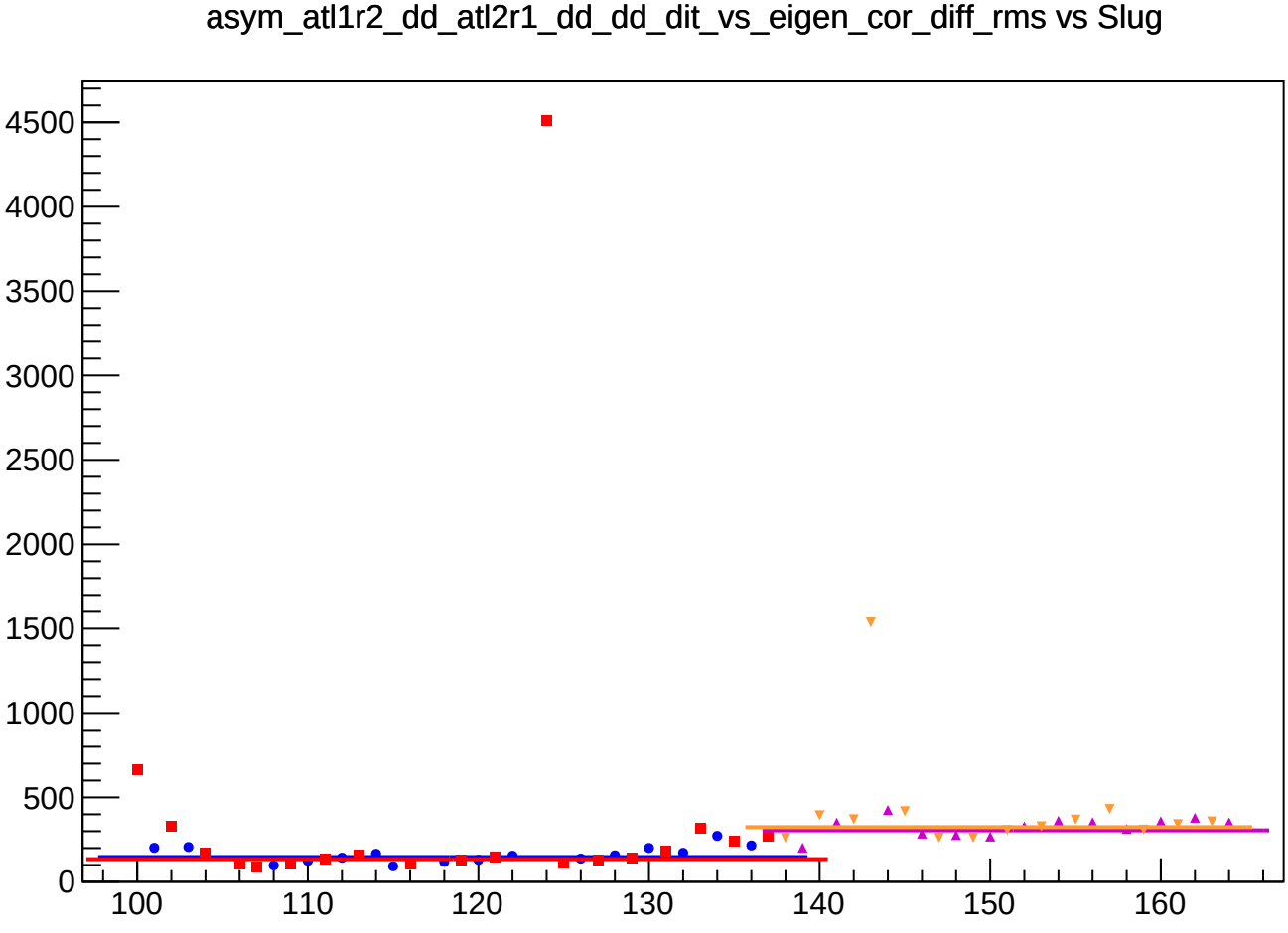
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

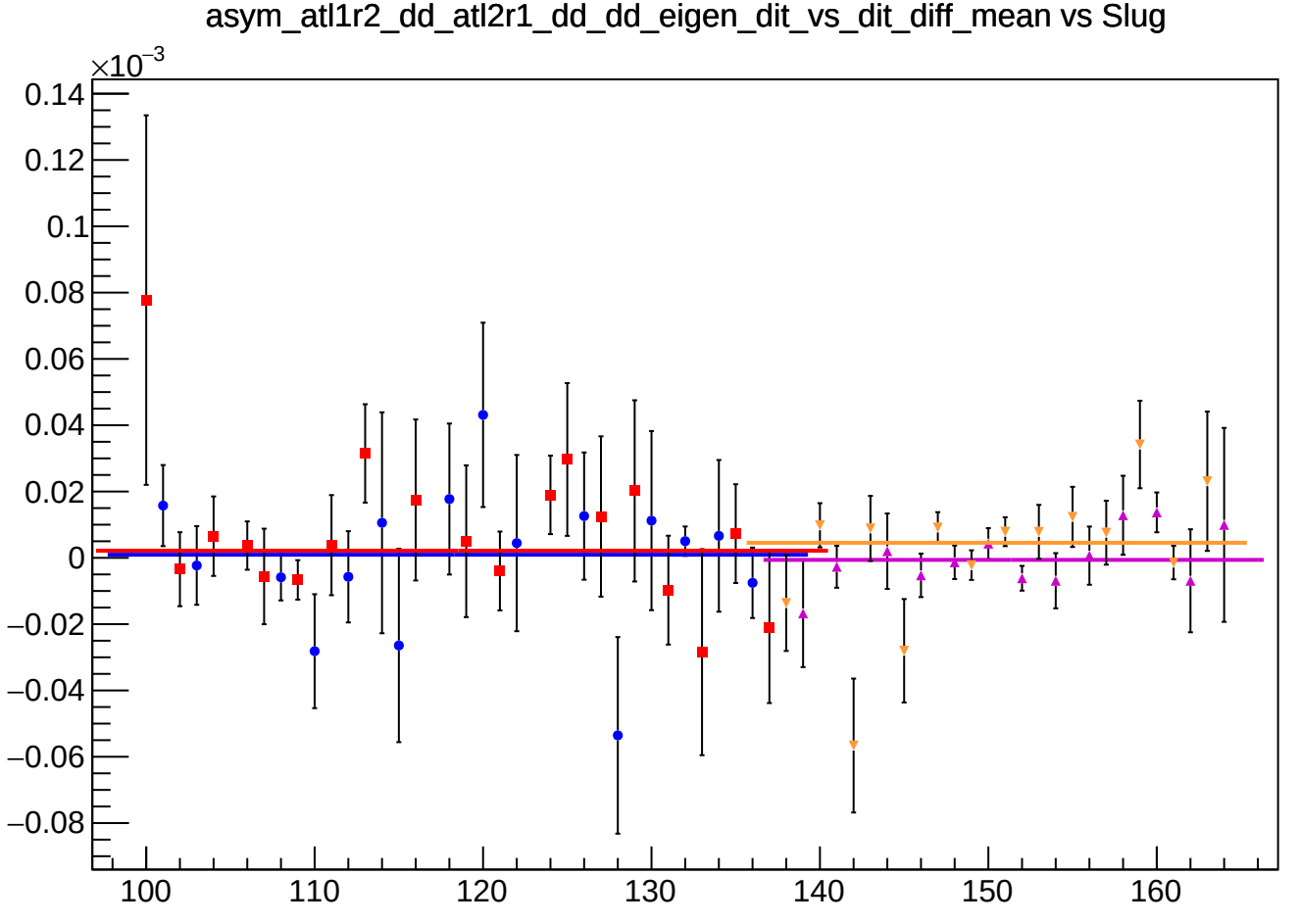
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

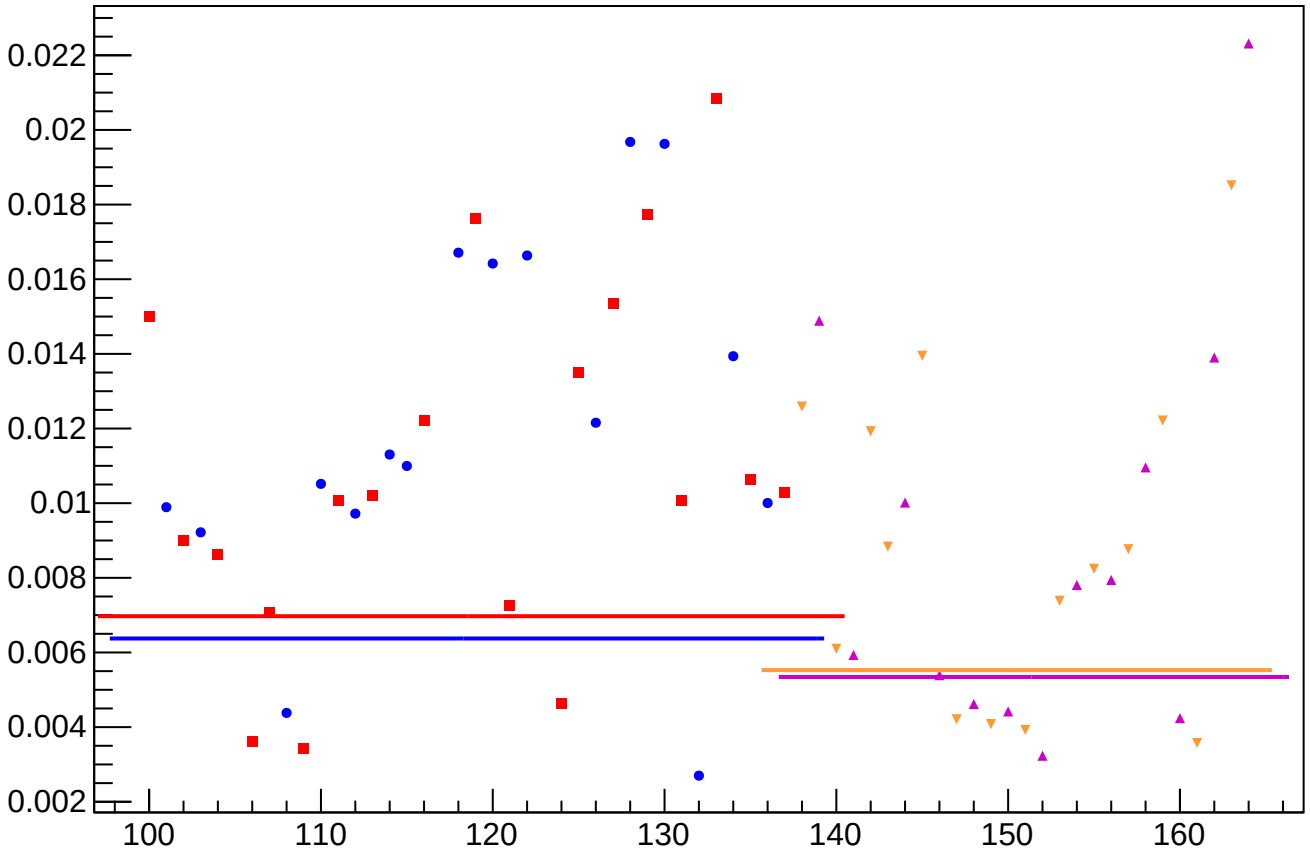
Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

- 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:28.0/13
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: 44.0/29
All: 0.000+/-0.000 χ²/NDF: 75.6/61
- 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:4231862.3/13

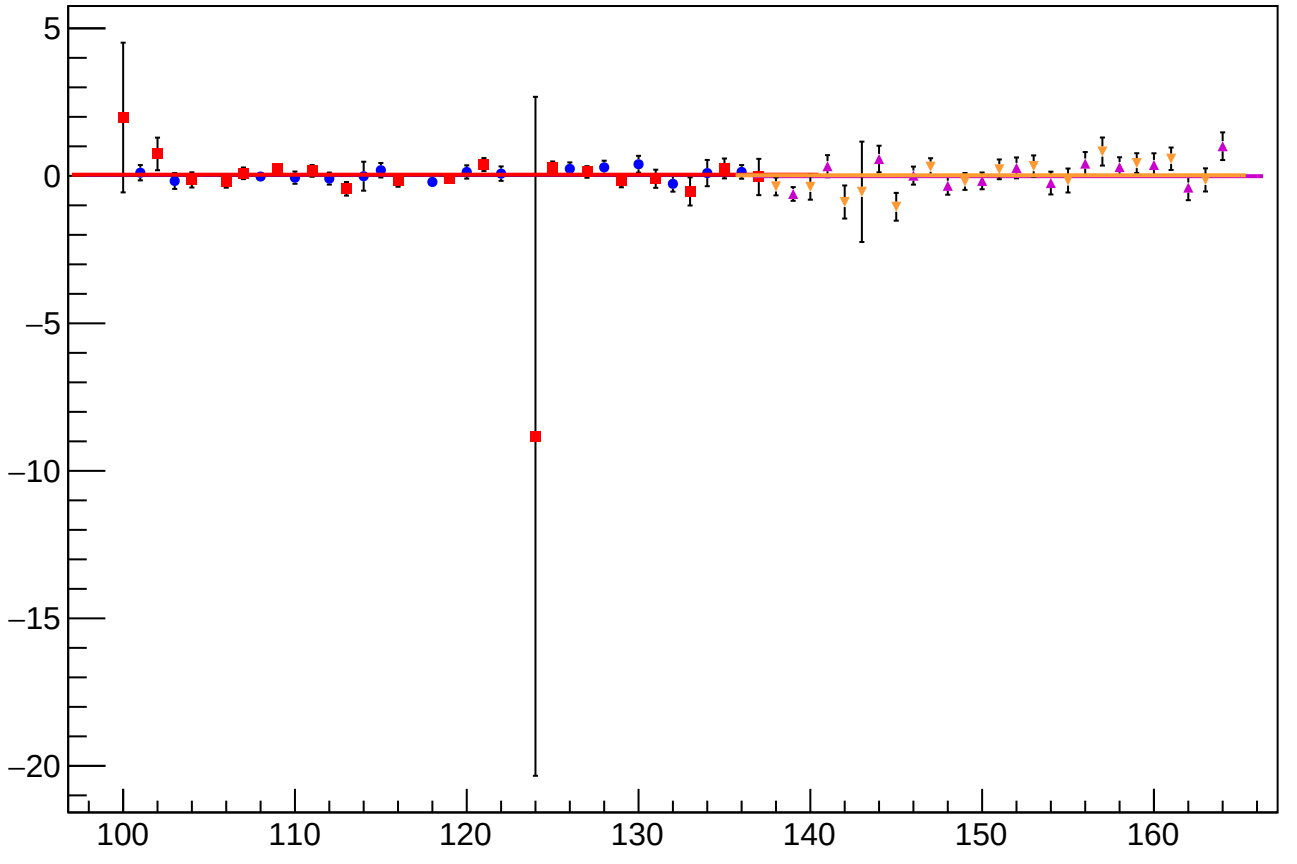
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

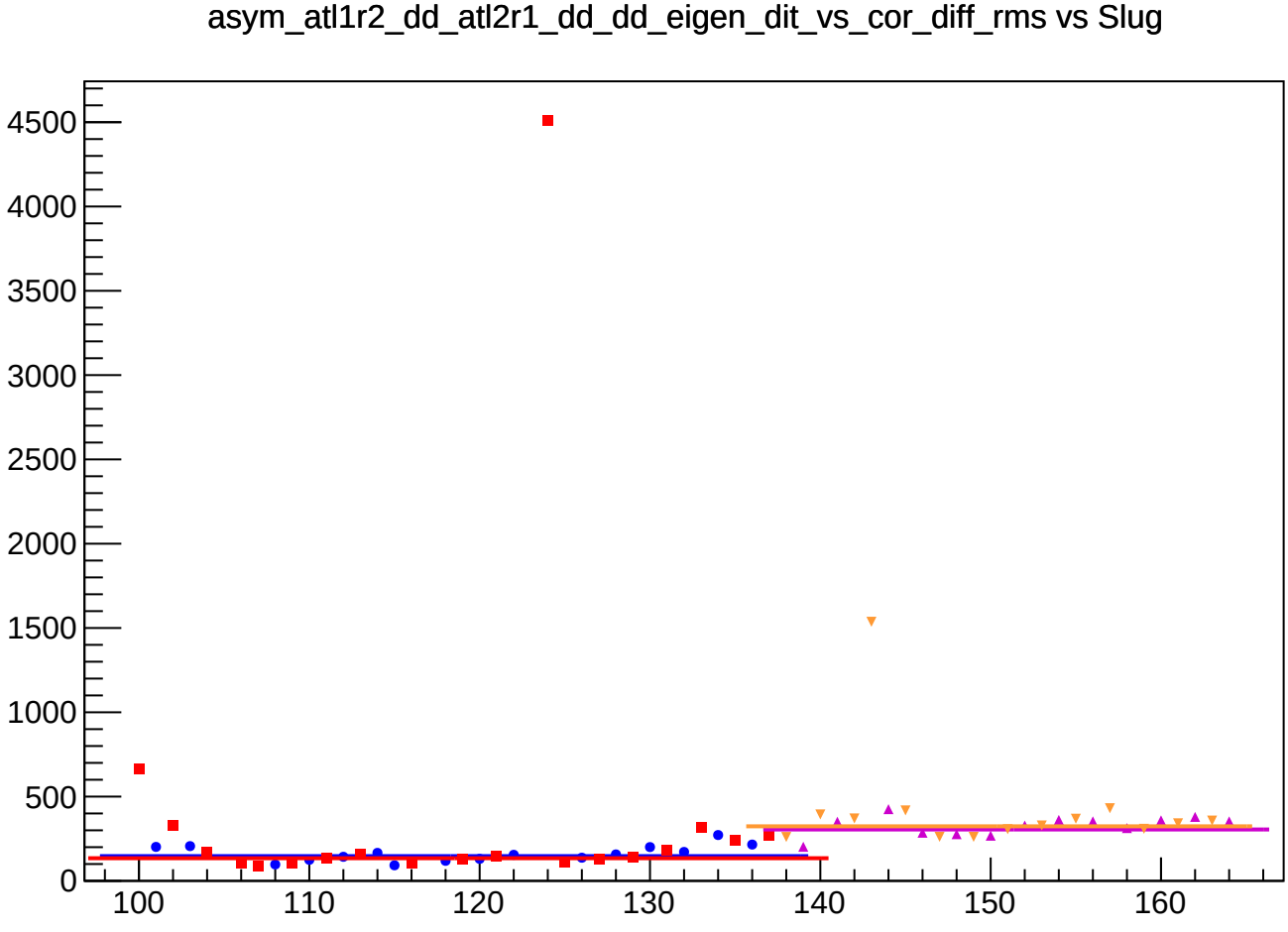
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

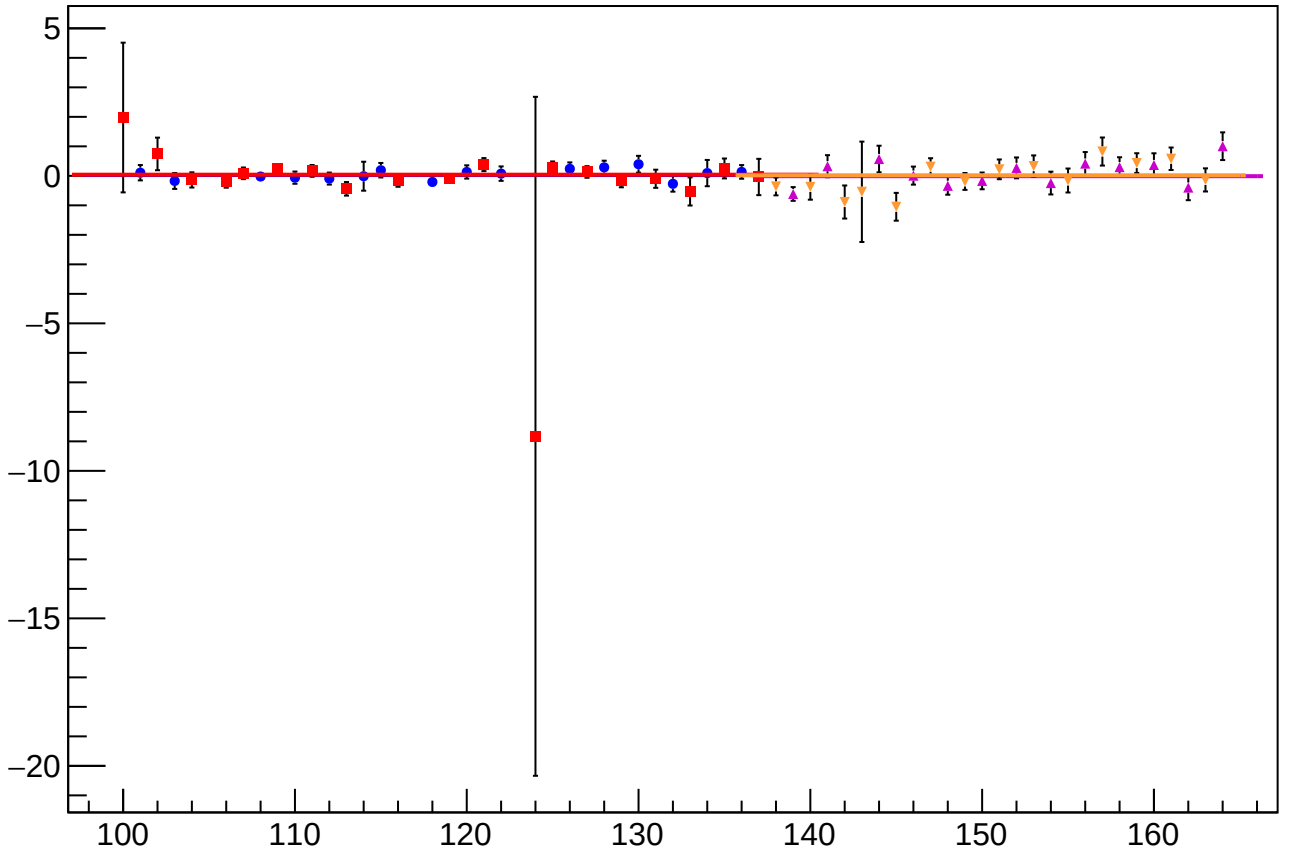
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

- 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: 0.020+/-0.101 χ^2/NDF:19.8/13

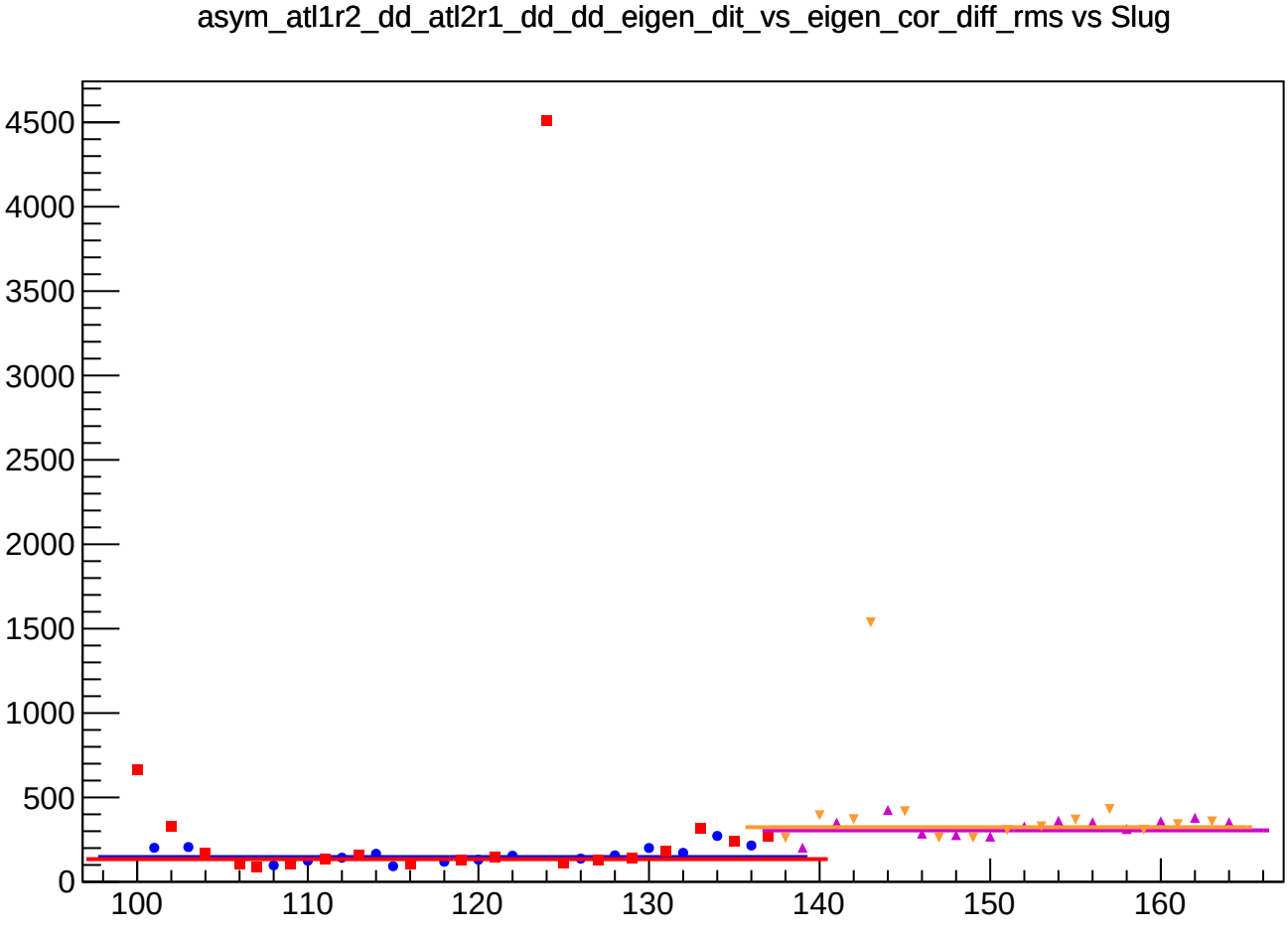
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.026+/-0.034 χ^2/NDF: 69.5/61

- 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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

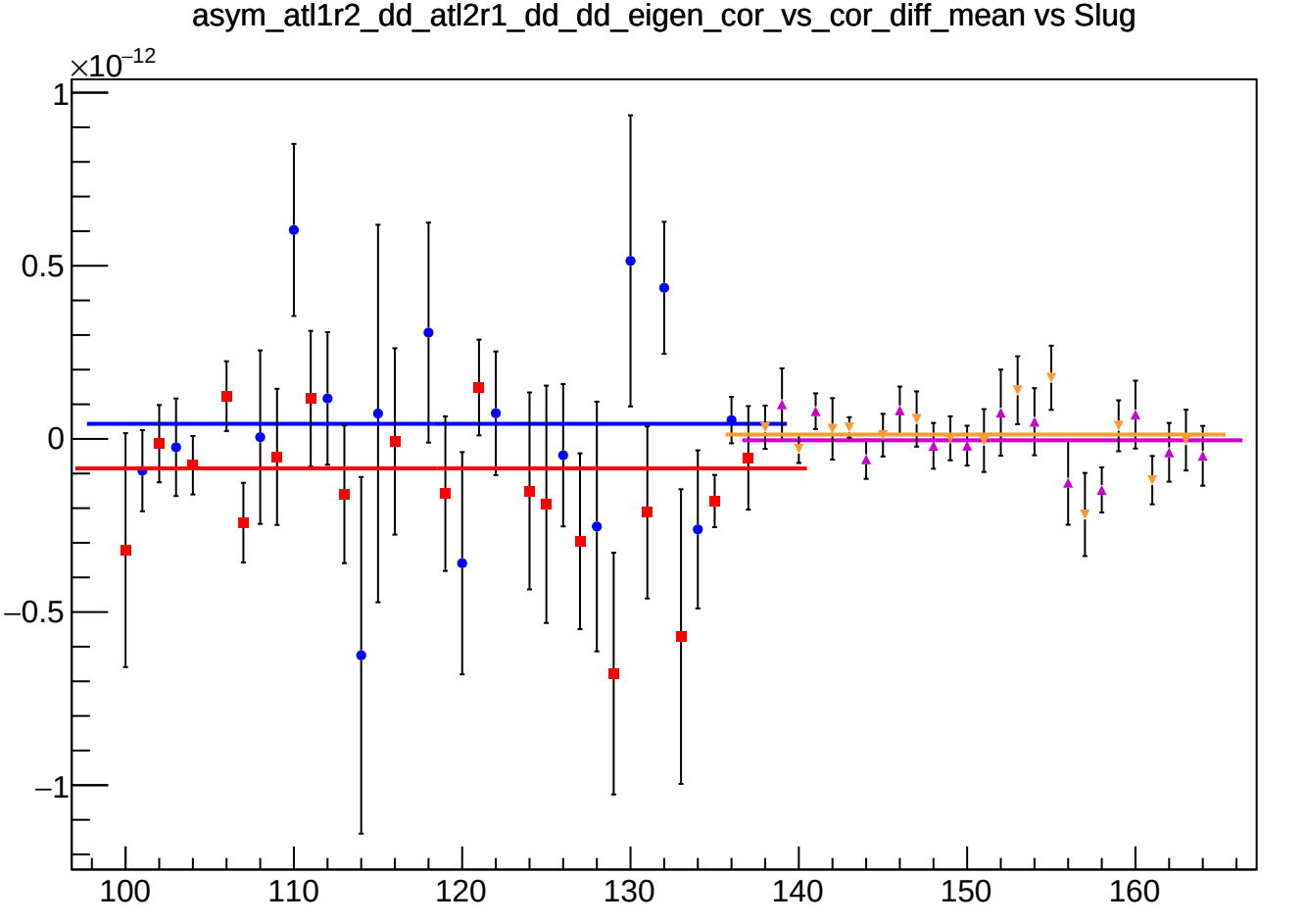
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

- 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:14.3/13

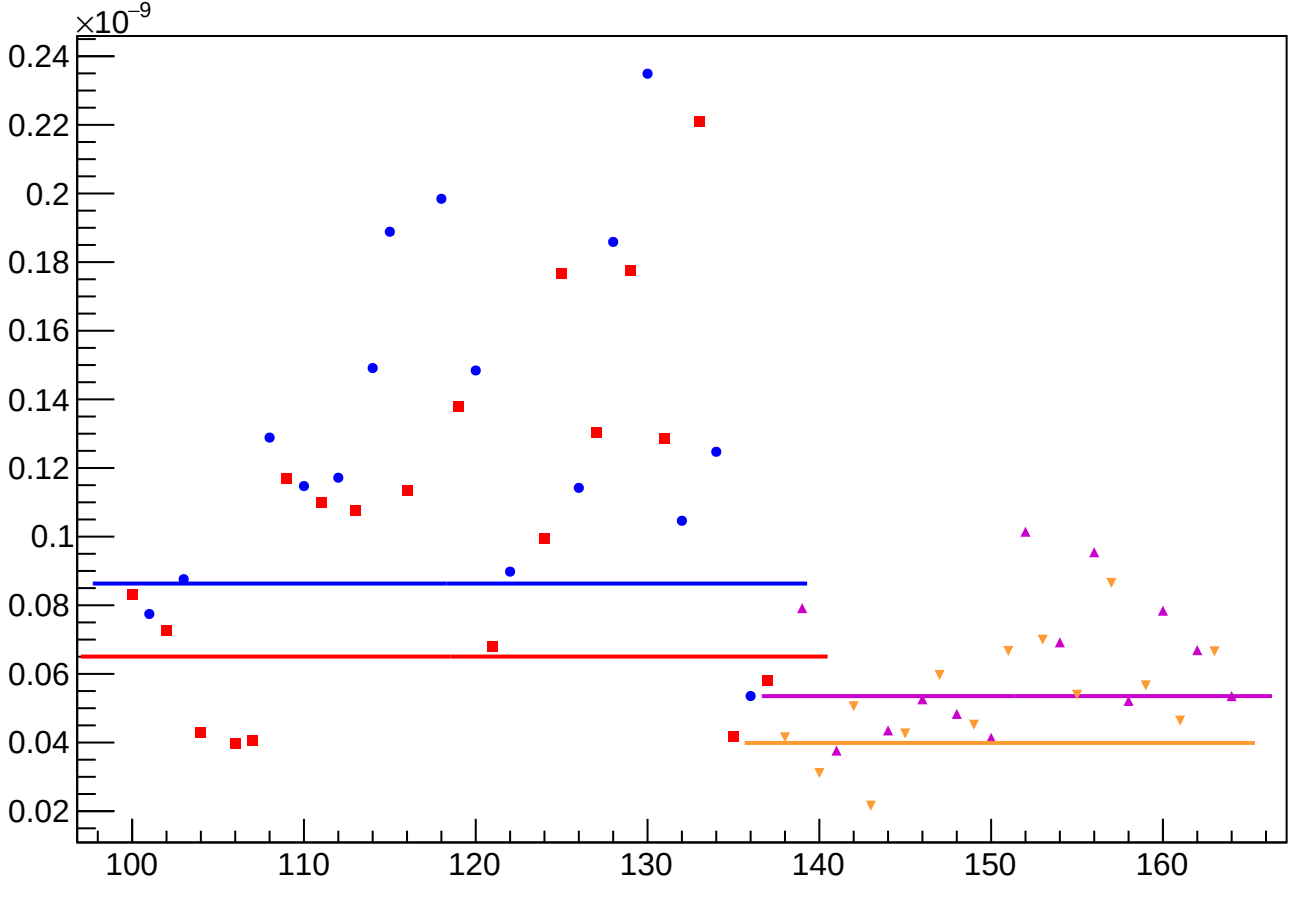
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 73.2/61

- 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:2040794.7/13

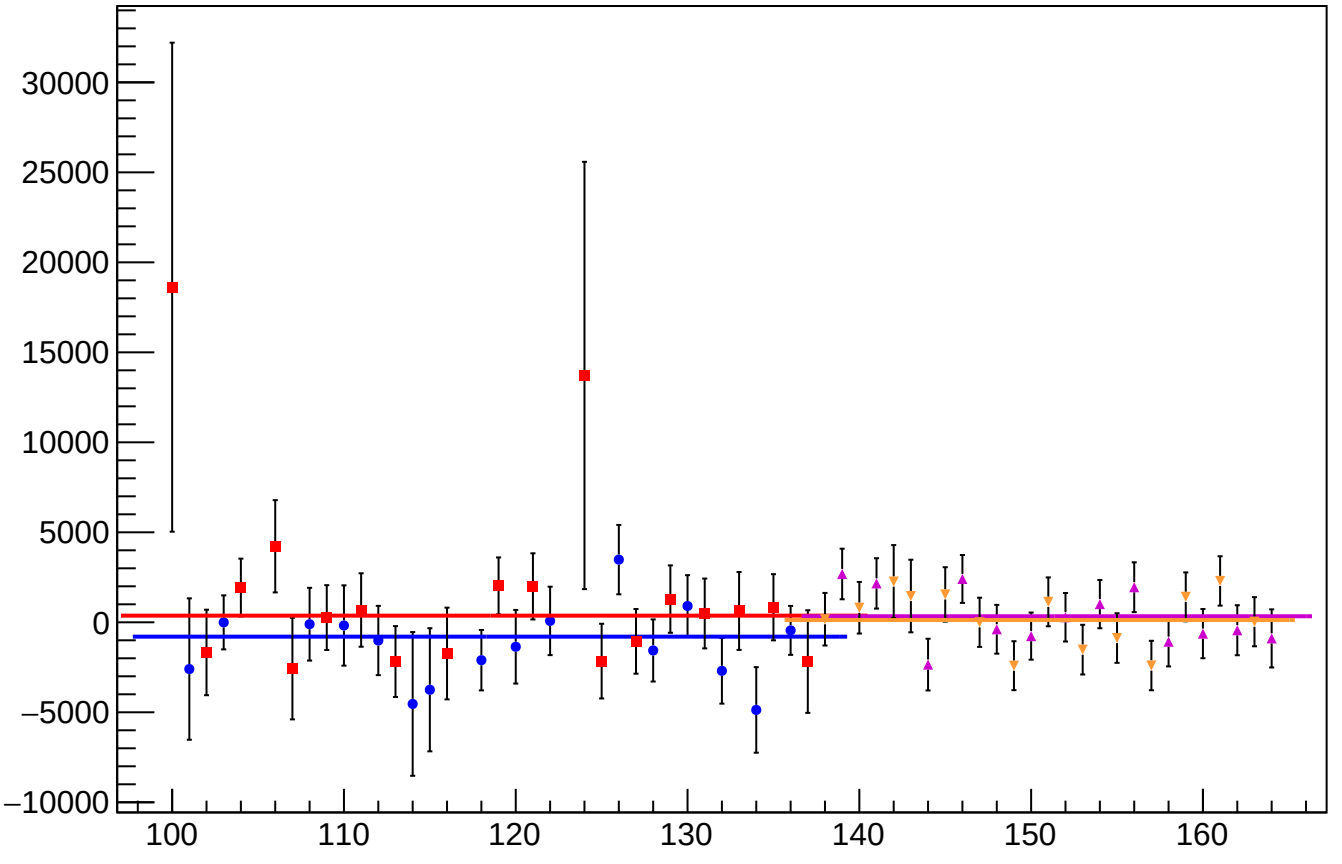
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61

- sign 0.000+/-0.000 χ^2/NDF: 3568660.5/31



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

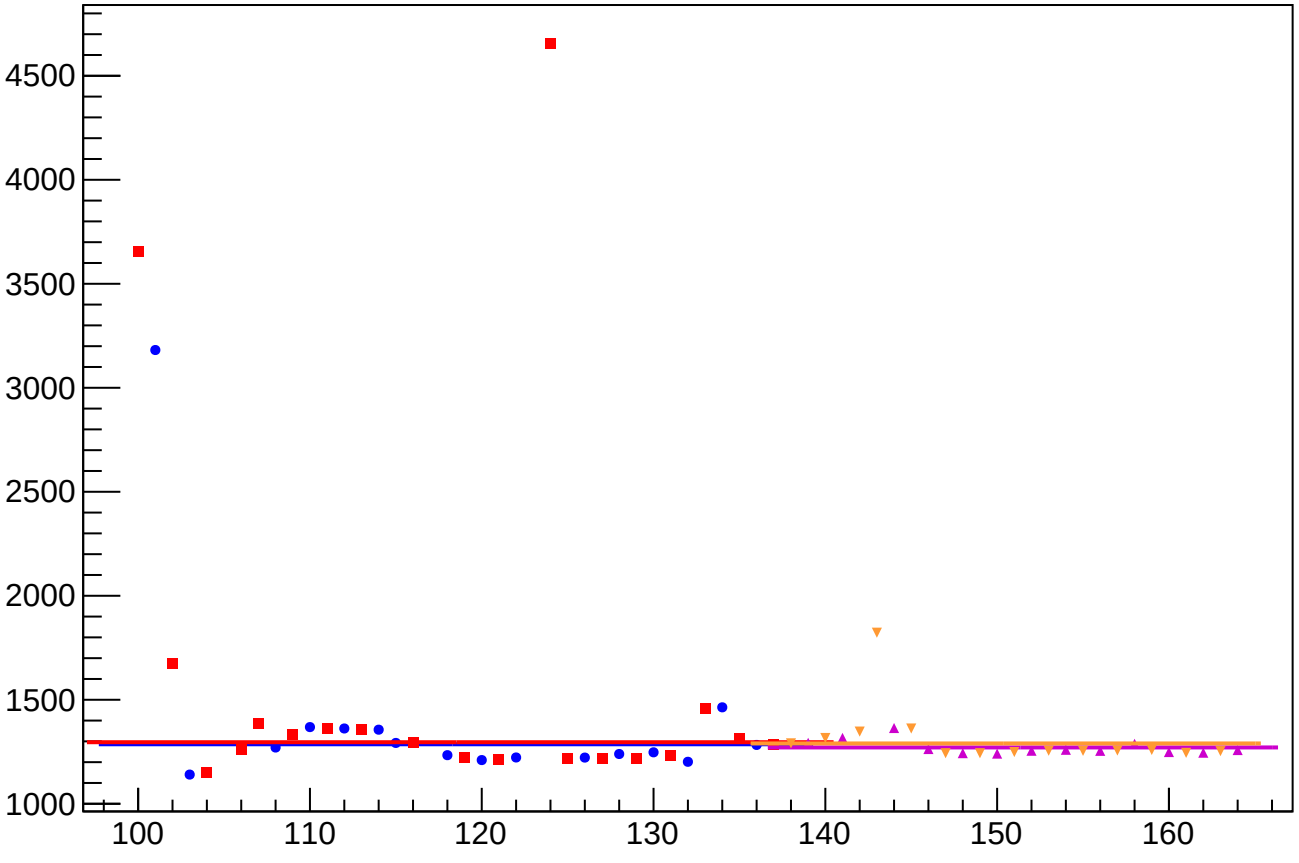
Left In: 335.968+/-383.793 χ^2/NDF:15.5/12

+ sign -230.021+/-302.895 χ^2/NDF: 31.1/29

All: 61.180+/-213.562 χ^2/NDF: 64.0/61

- 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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

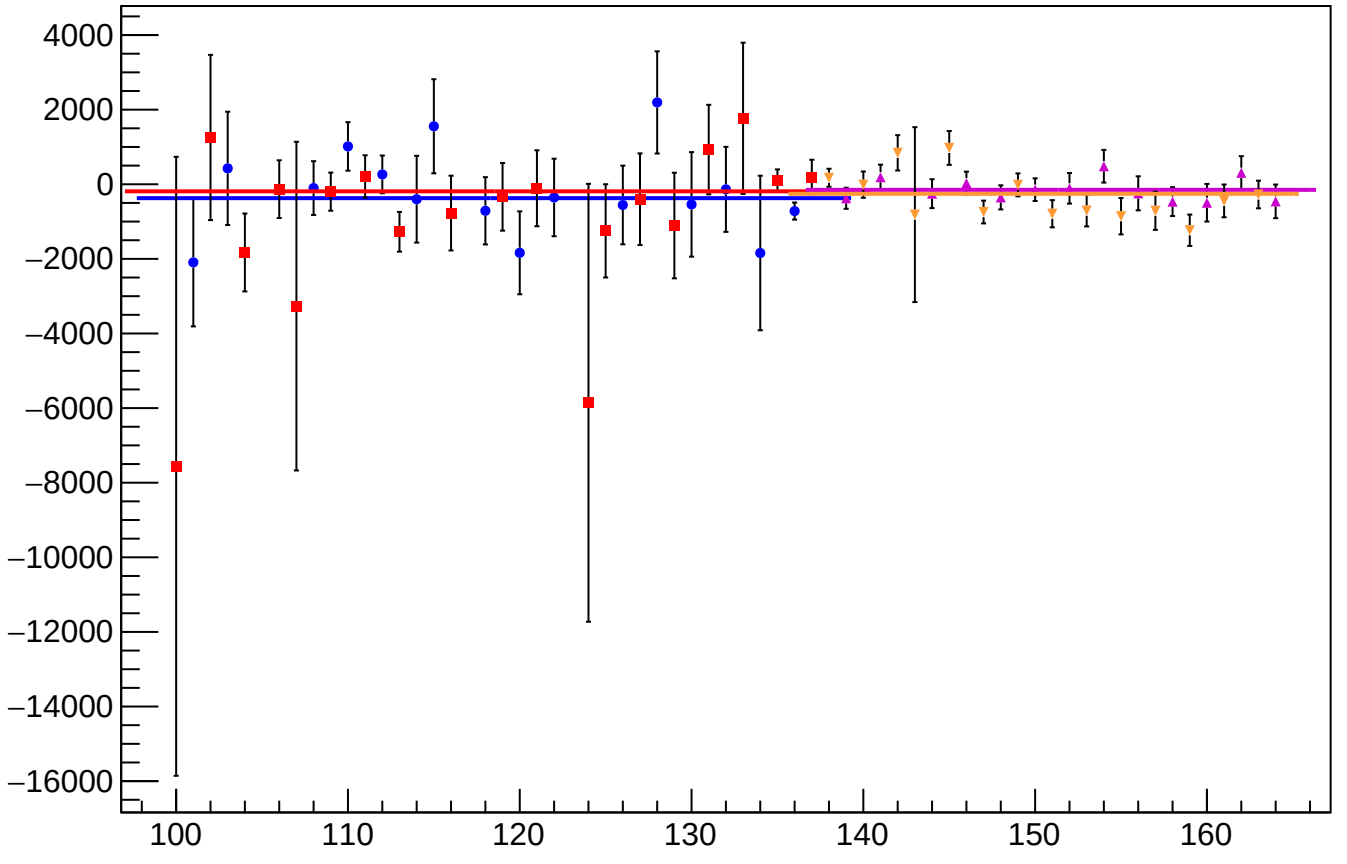
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679485.7/29

All: 1284.447+/-0.151 χ^2/NDF: 1026898.2/61

- 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: -256.427+/-102.449 χ^2/NDF:30.8/13

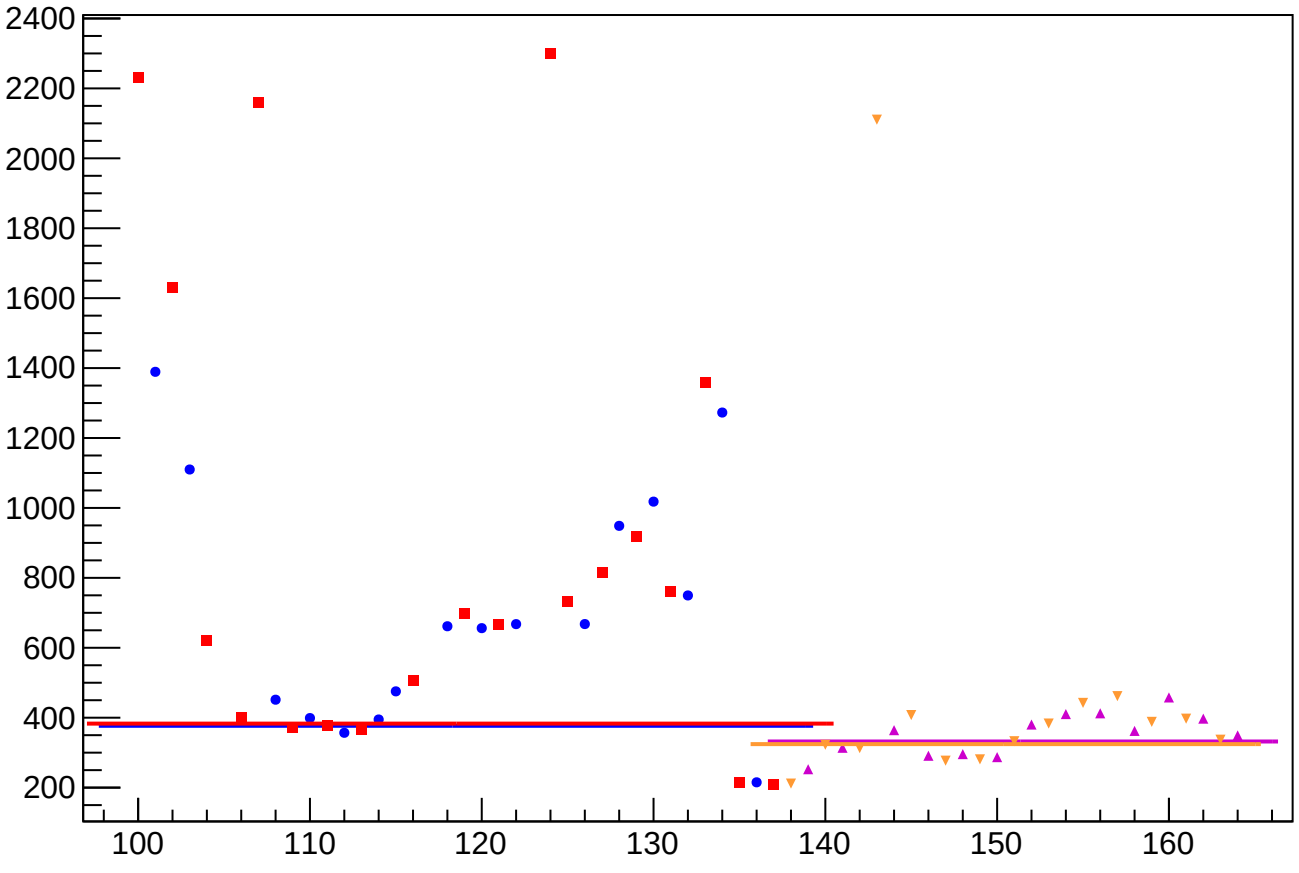
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -149.808+/-102.223 χ^2/NDF:7.3/12

+ sign -287.788+/-87.497 χ^2/NDF: 49.3/29

All: -224.050+/-61.887 χ^2/NDF: 72.3/61

- 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: 324.425+/-0.072 χ^2/NDF:2158928.8/13

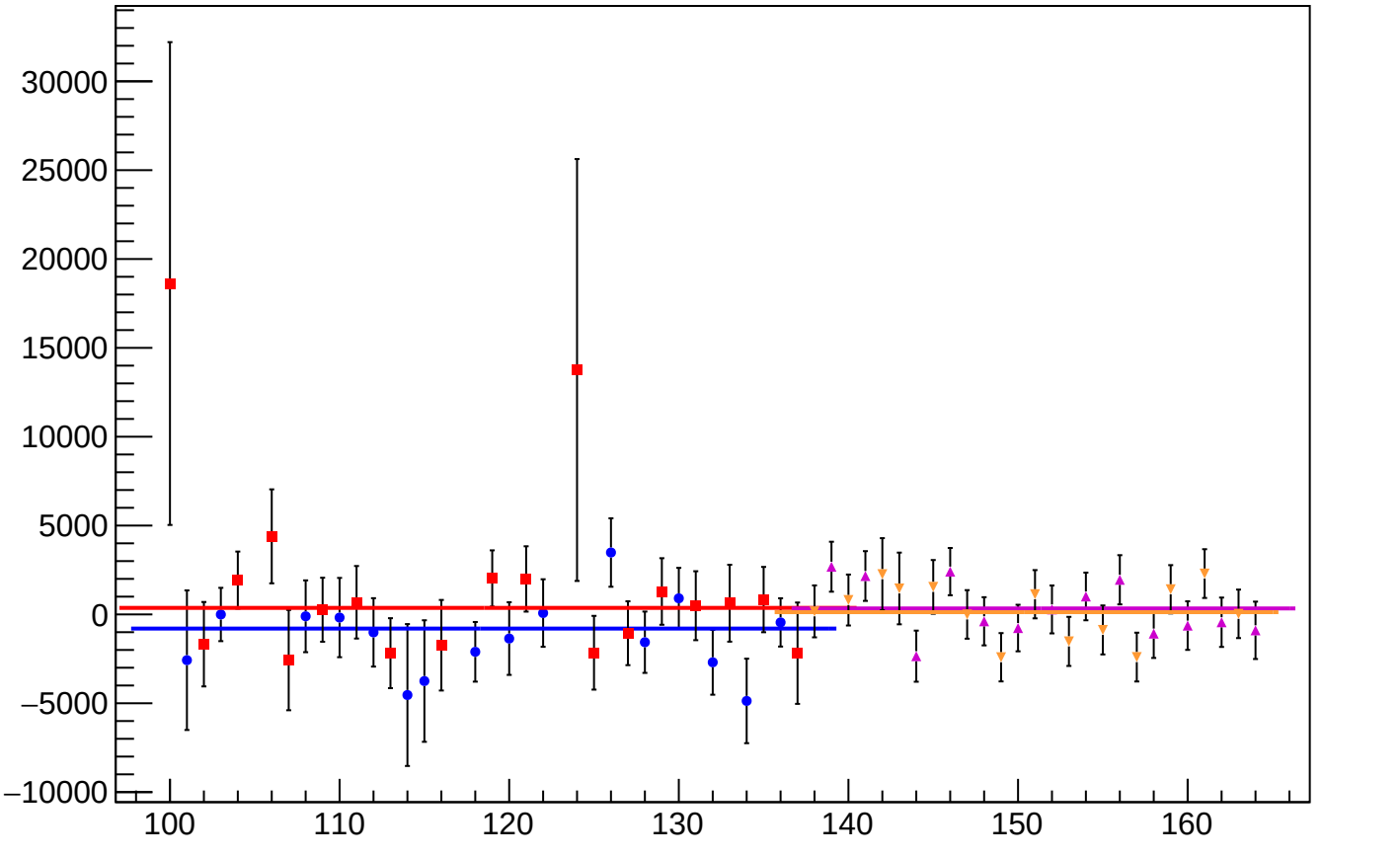
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

+ sign 338.622+/-0.062 χ^2/NDF: 6491064.1/29

All: 342.096+/-0.044 χ^2/NDF: 11303986.4/61

- 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: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

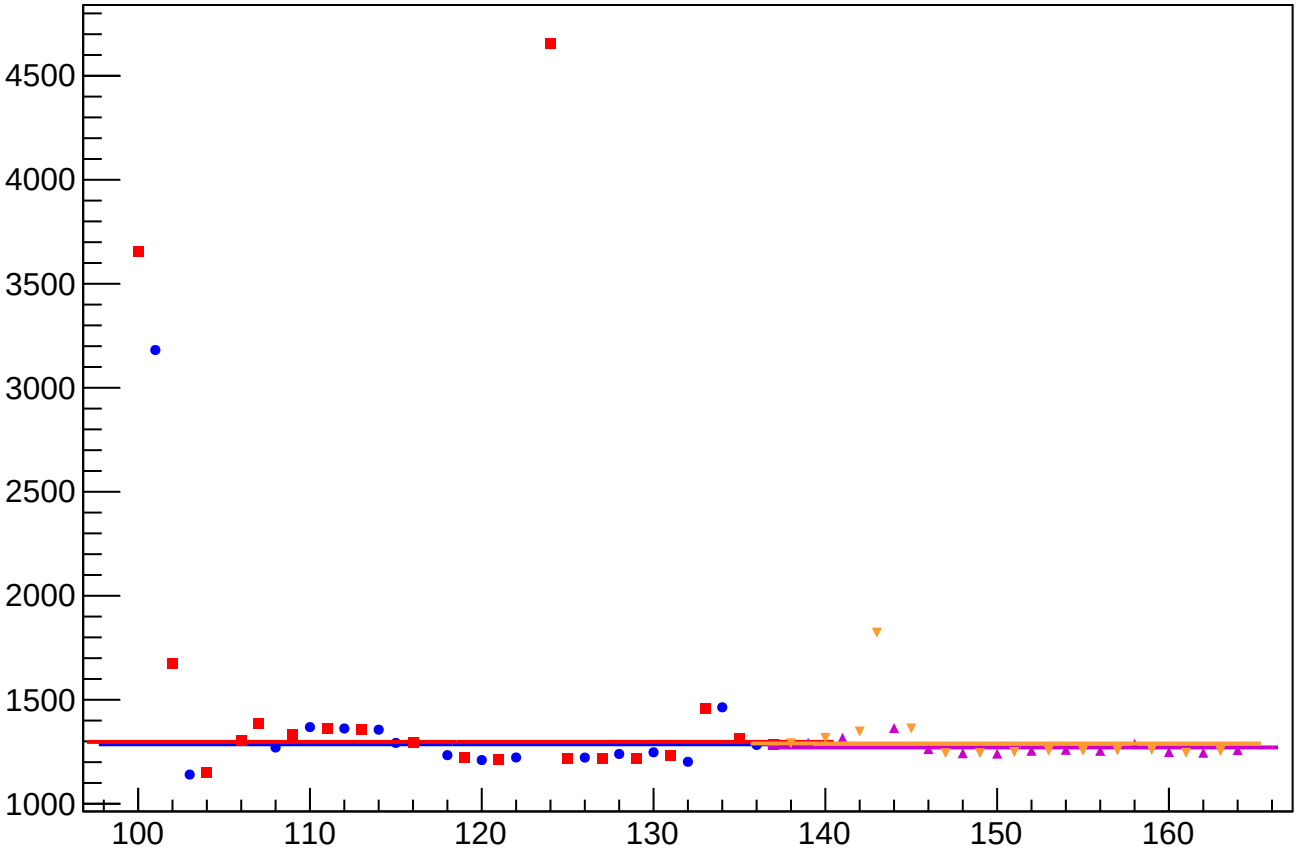
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 60.644+/-213.607 χ^2/NDF: 64.0/61

- 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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

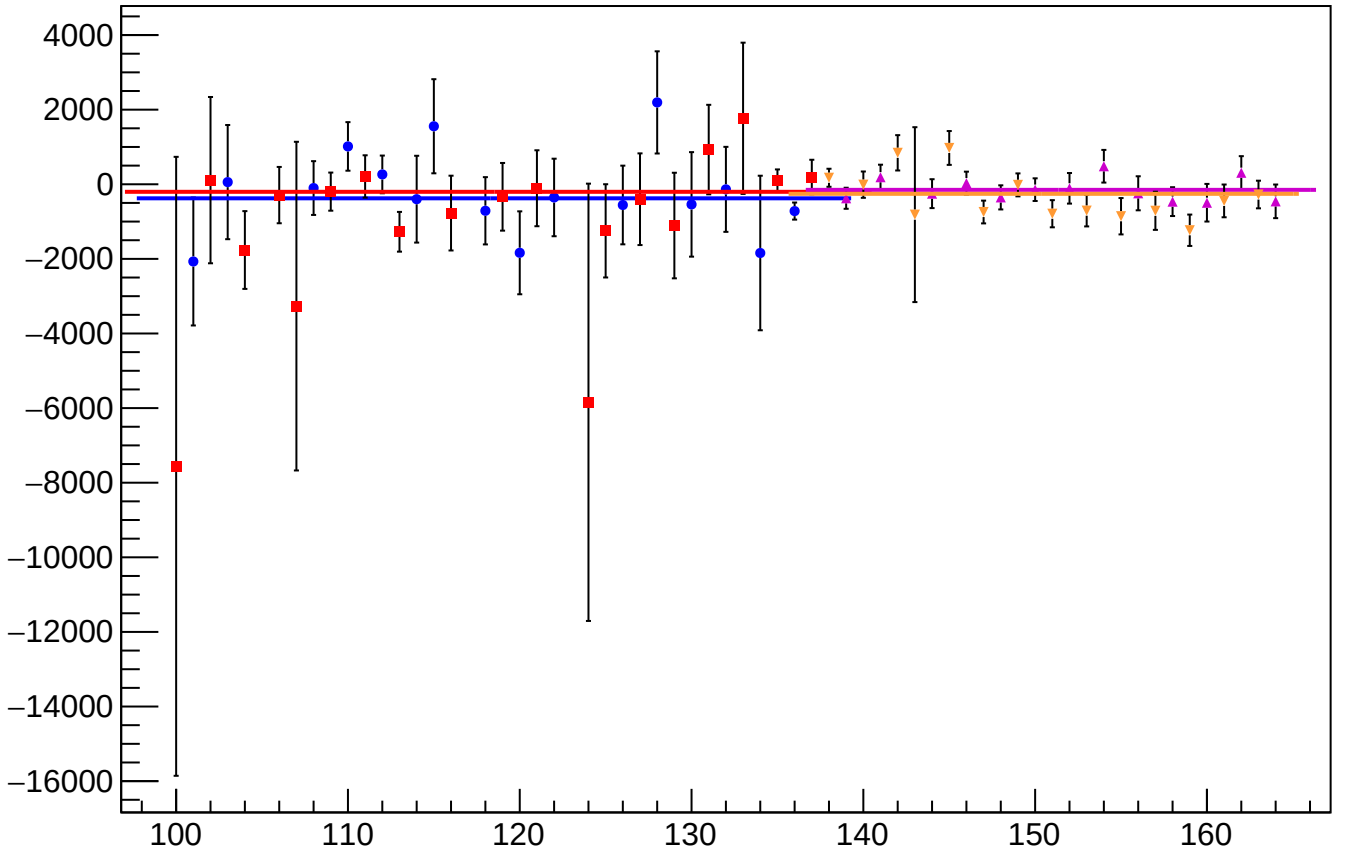
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

- 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: -256.426+/-102.451 χ^2/NDF:30.8/13

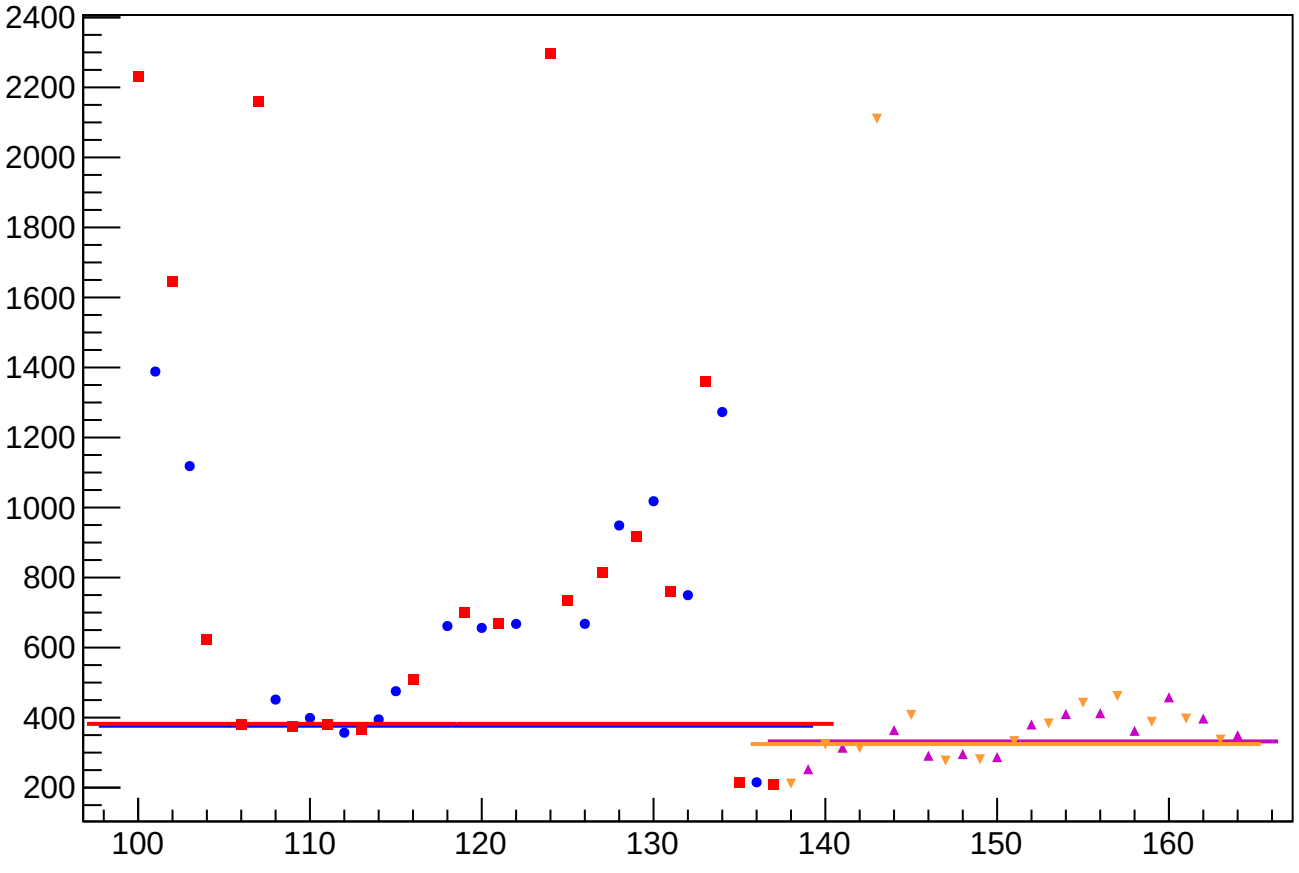
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -226.398+/-61.879 χ^2/NDF: 71.5/61

- 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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

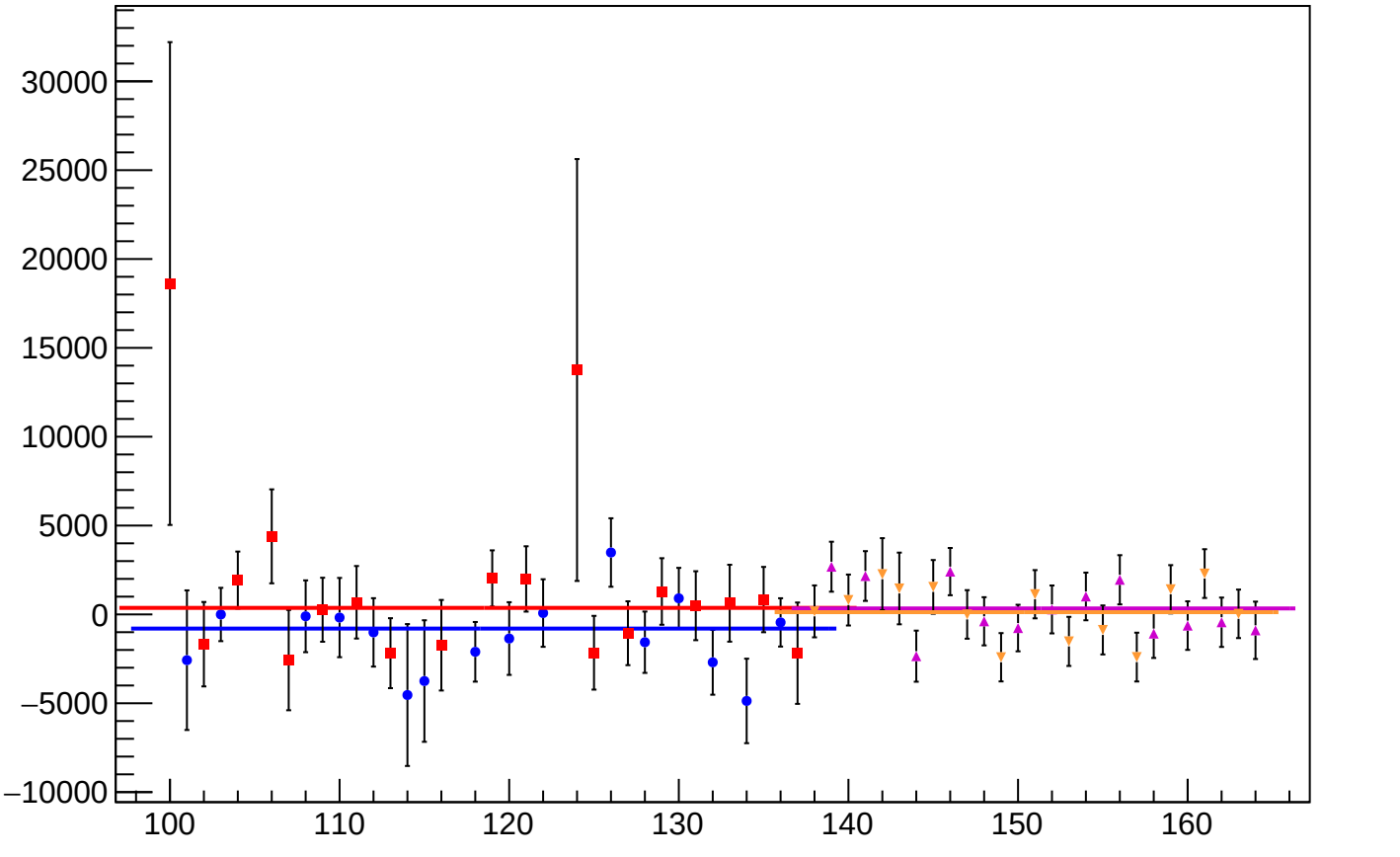
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61

- 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: 126.840+/-386.589 χ^2/NDF:15.4/13

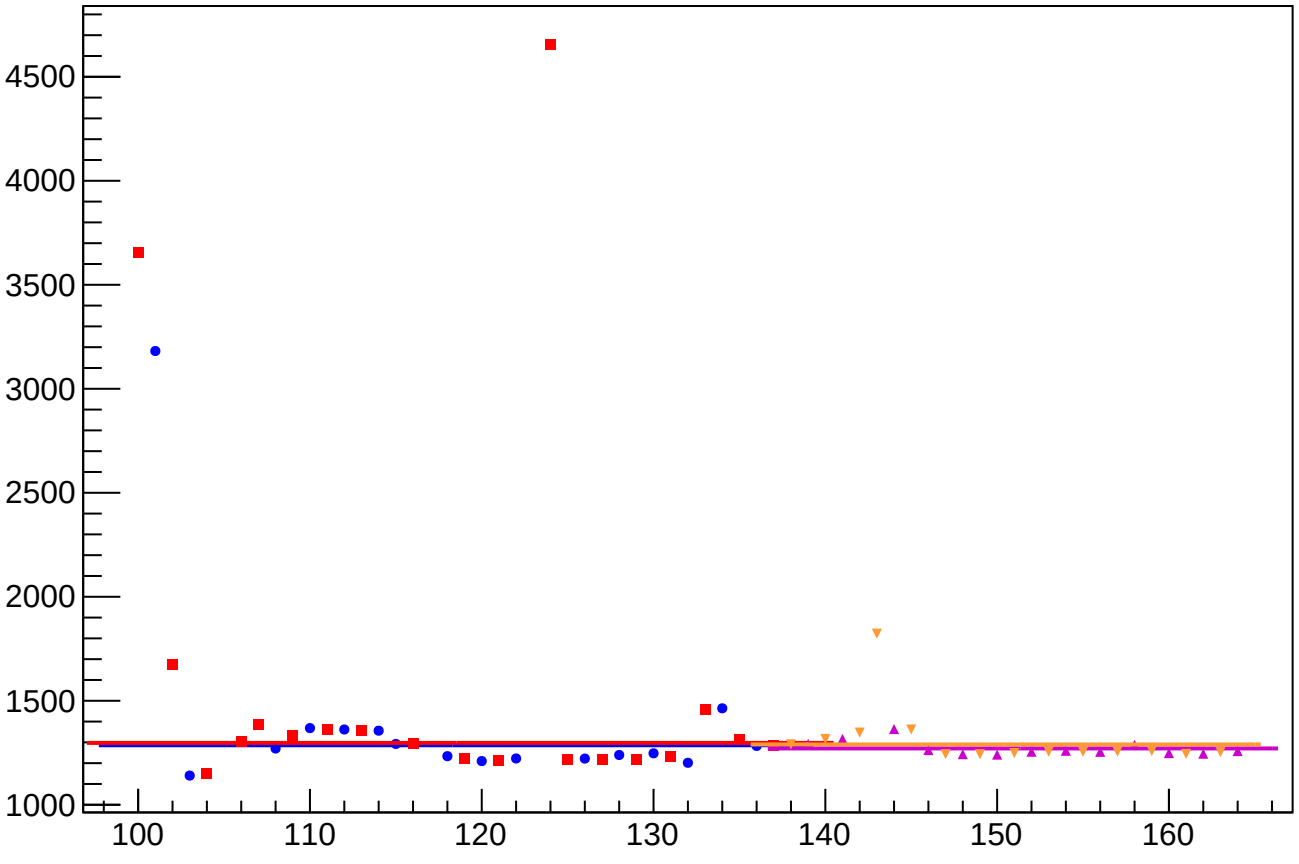
Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 60.644+/-213.607 χ^2/NDF: 64.0/61

- sign 348.027+/-301.282 χ^2/NDF: 31.1/31



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

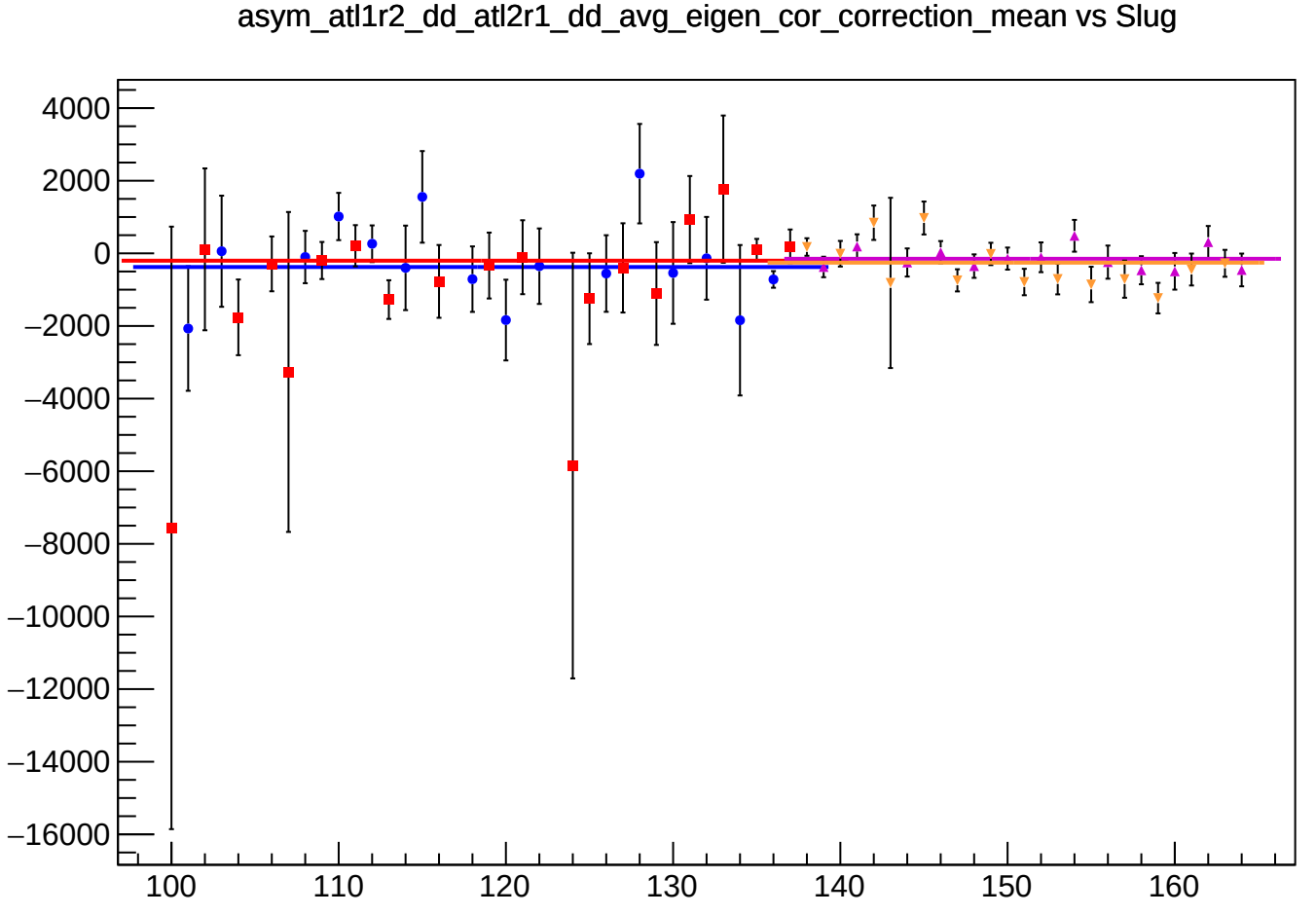
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

- 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: -256.426+/-102.451 χ^2/NDF:30.8/13

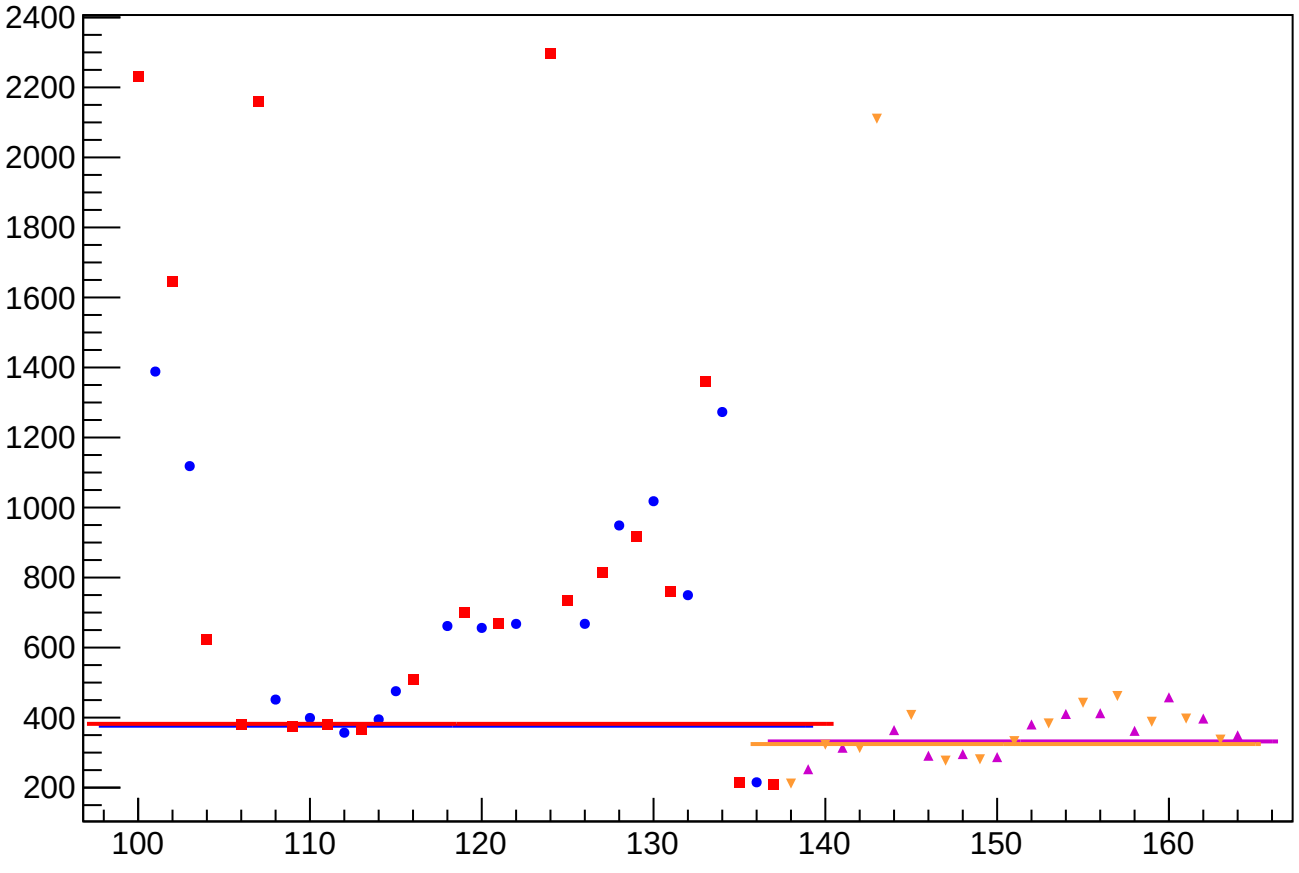
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -226.398+/-61.879 χ^2/NDF: 71.5/61

- 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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

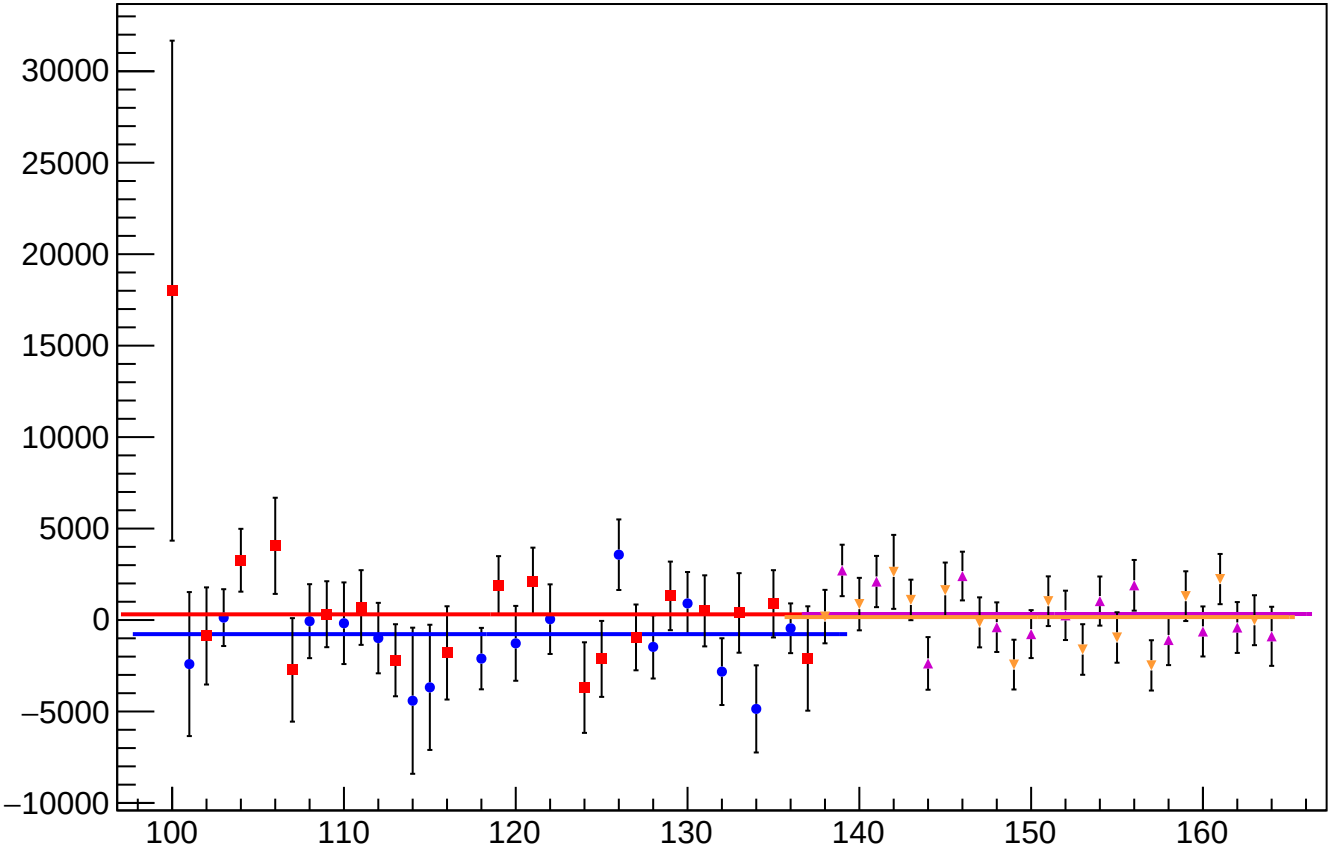
Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61

- 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: 161.019+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

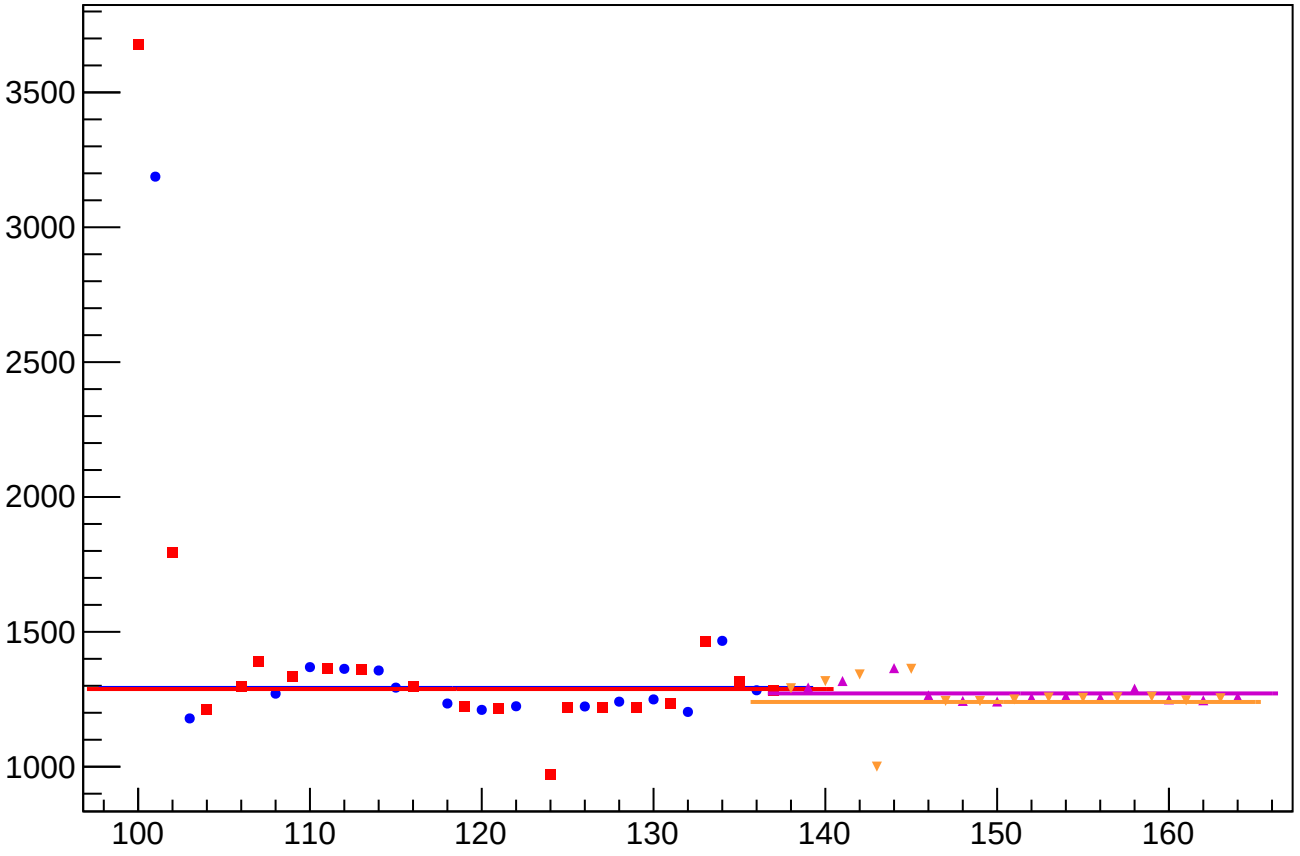
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -179.481+/-295.851 χ^2/NDF: 32.4/29

All: 67.498+/-210.836 χ^2/NDF: 67.1/61

- 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: 1240.090+/-0.263 χ^2/NDF:121918.0/13

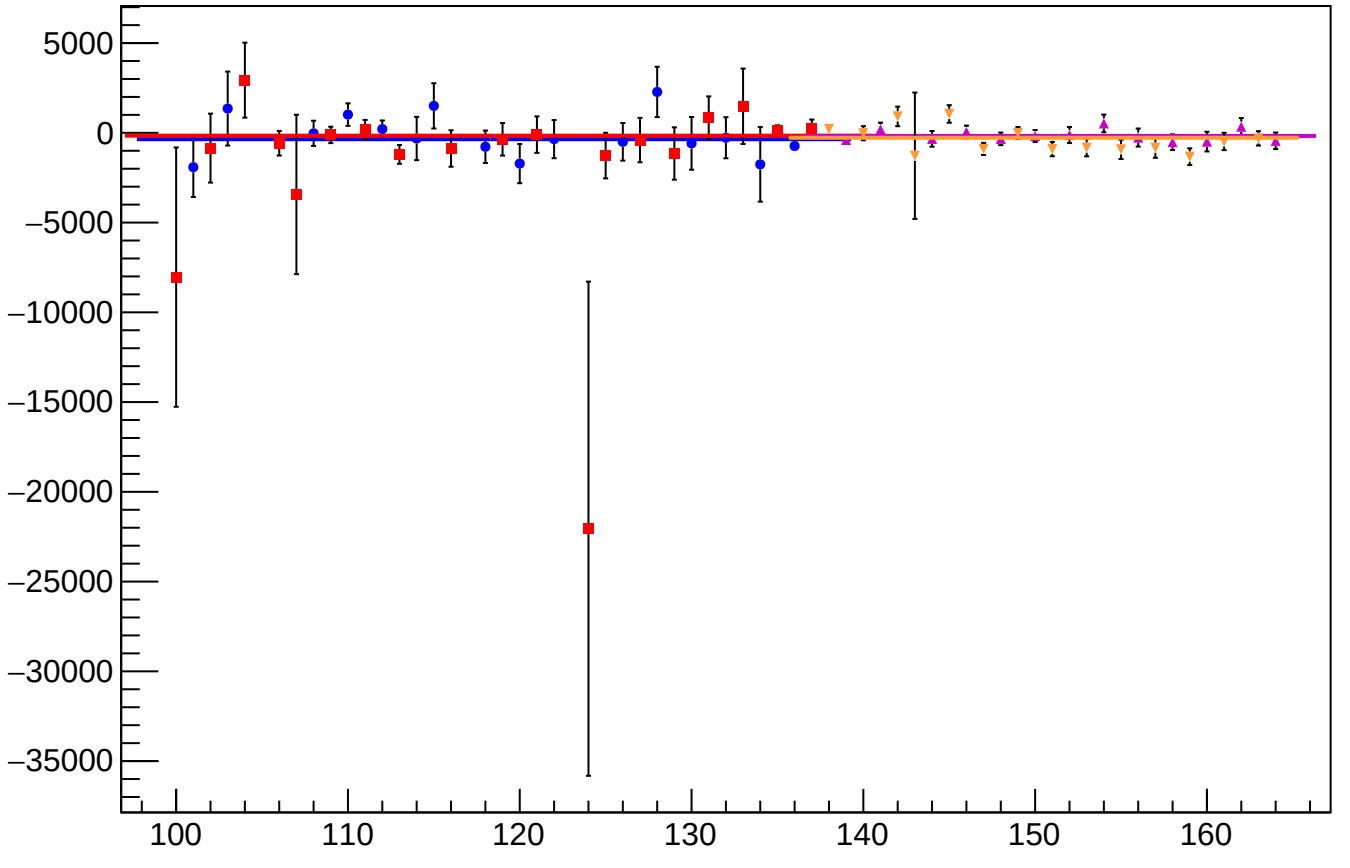
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

+ sign 1259.058+/-0.209 χ^2/NDF: 645618.5/29

All: 1268.402+/-0.149 χ^2/NDF: 875676.6/61

- 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: -275.158+/-111.113 χ^2/NDF:32.2/13

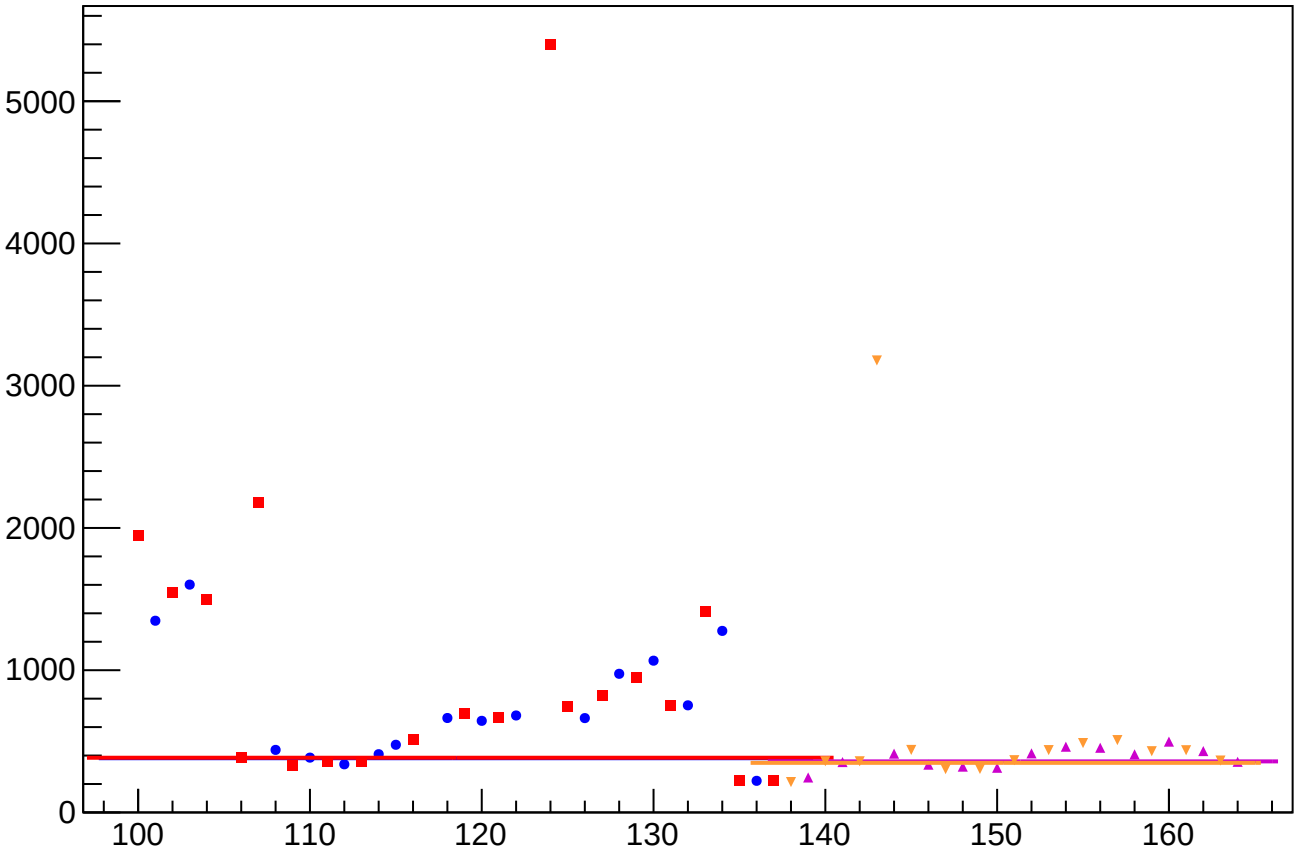
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.097 χ^2/NDF:6.8/12

+ sign -299.130+/-93.004 χ^2/NDF: 50.8/29

All: -233.970+/-65.742 χ^2/NDF: 74.4/61

- 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: 348.822+/-0.079 χ^2/NDF:2546282.1/13

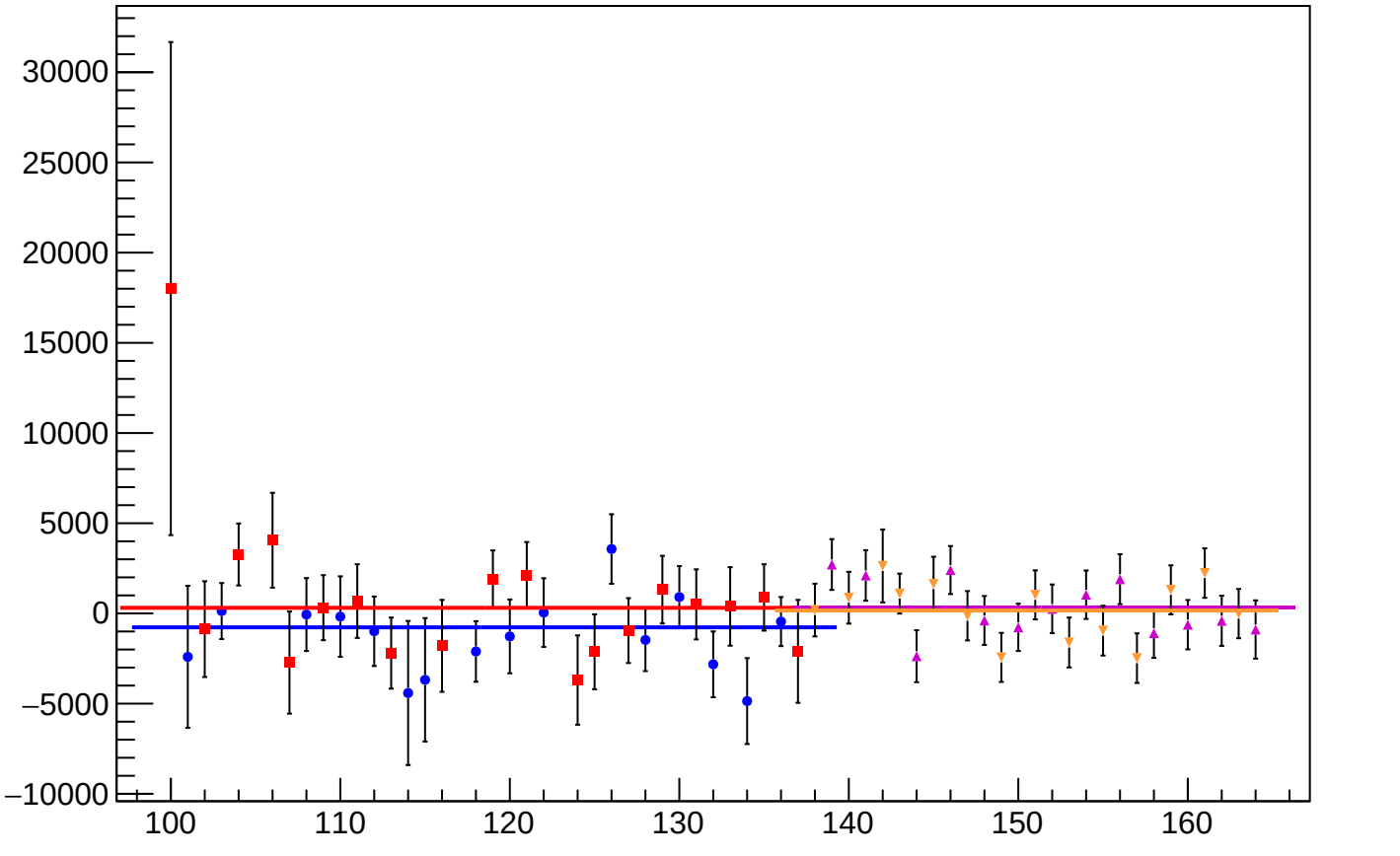
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

+ sign 358.561+/-0.066 χ^2/NDF: 6915519.5/29

All: 362.637+/-0.046 χ^2/NDF: 12339086.5/61

- 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: 161.021+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

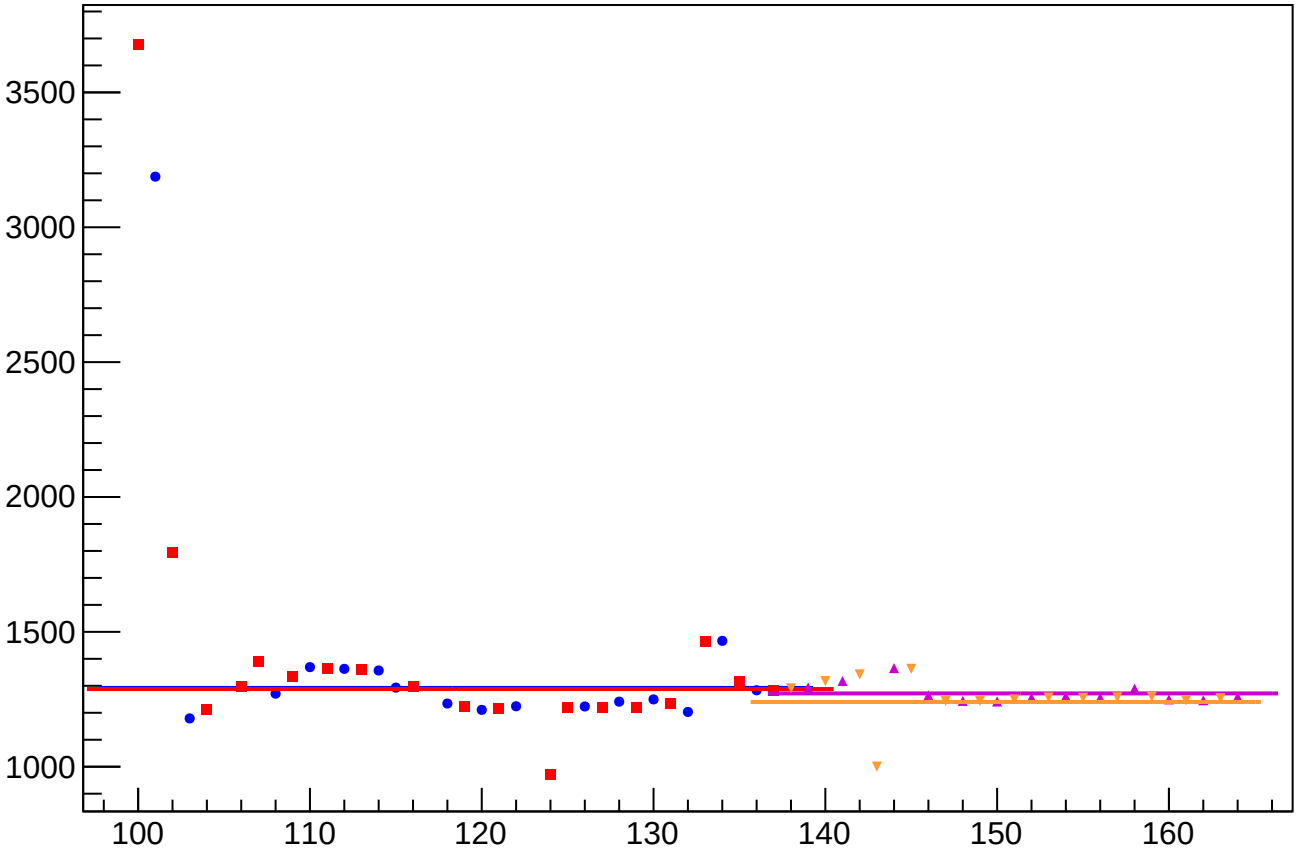
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

\+ sign -179.480+/-295.851 χ^2/NDF: 32.4/29

All: 67.499+/-210.836 χ^2/NDF: 67.1/61

\- 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: 1240.090+/-0.263 χ^2/NDF:121917.2/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

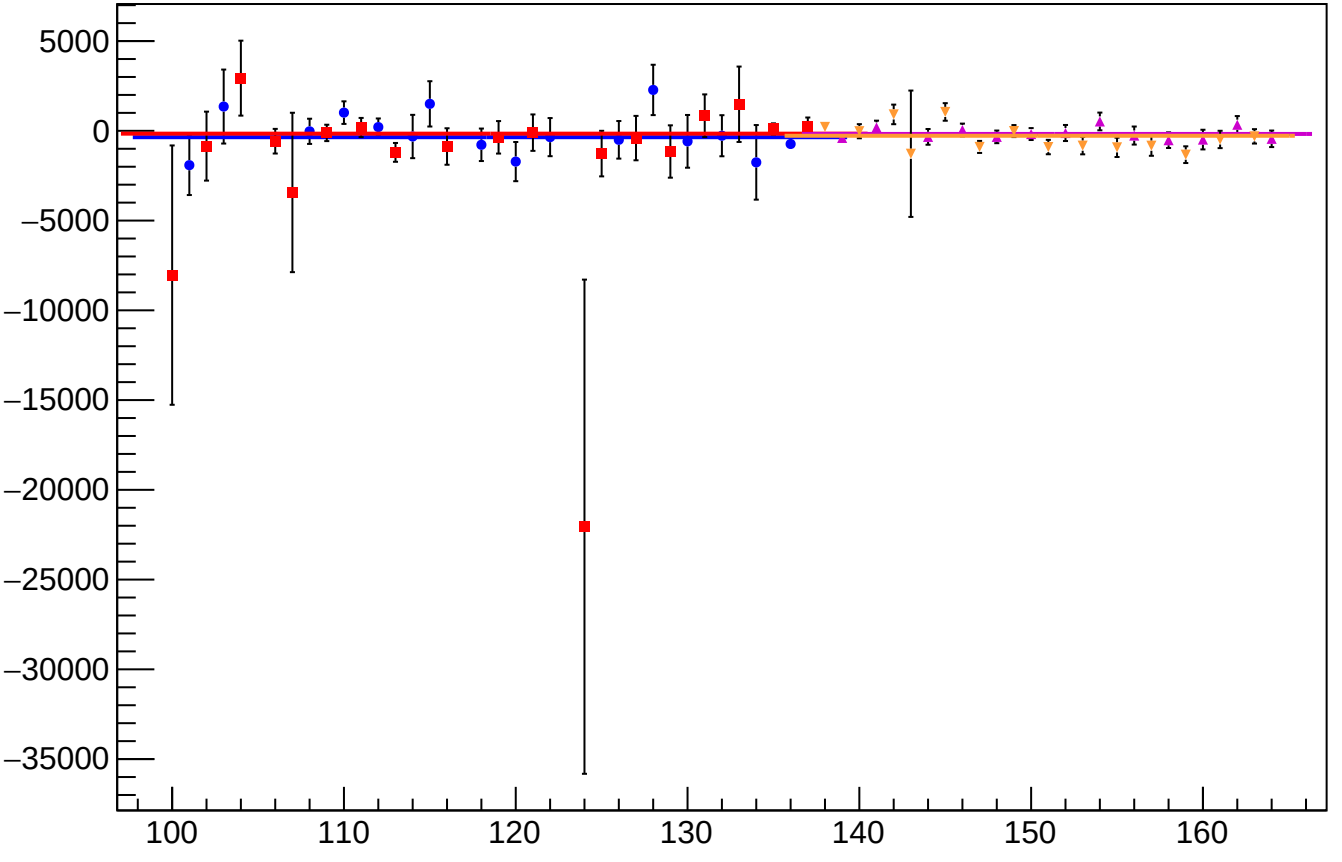
Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

+ sign 1259.058+/-0.209 χ^2/NDF: 645617.6/29

All: 1268.403+/-0.149 χ^2/NDF: 875676.0/61

- sign 1278.045+/-0.213 χ^2/NDF: 226004.4/31

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -275.168+/-111.115 χ^2/NDF:32.2/13

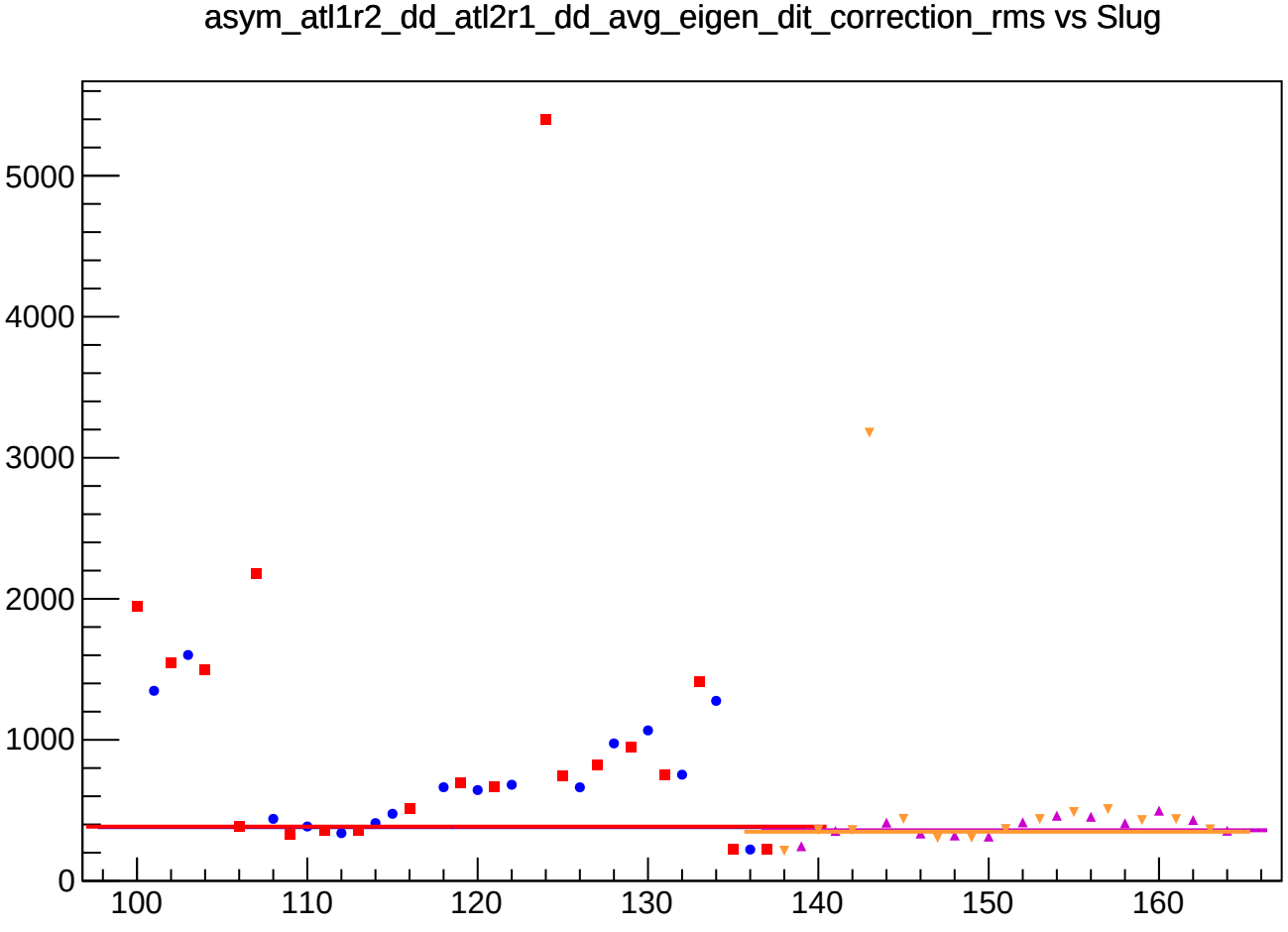
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.098 χ^2/NDF:6.8/12

\+ sign -299.137+/-93.005 χ^2/NDF: 50.8/29

All: -233.974+/-65.743 χ^2/NDF: 74.4/61

\- 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: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

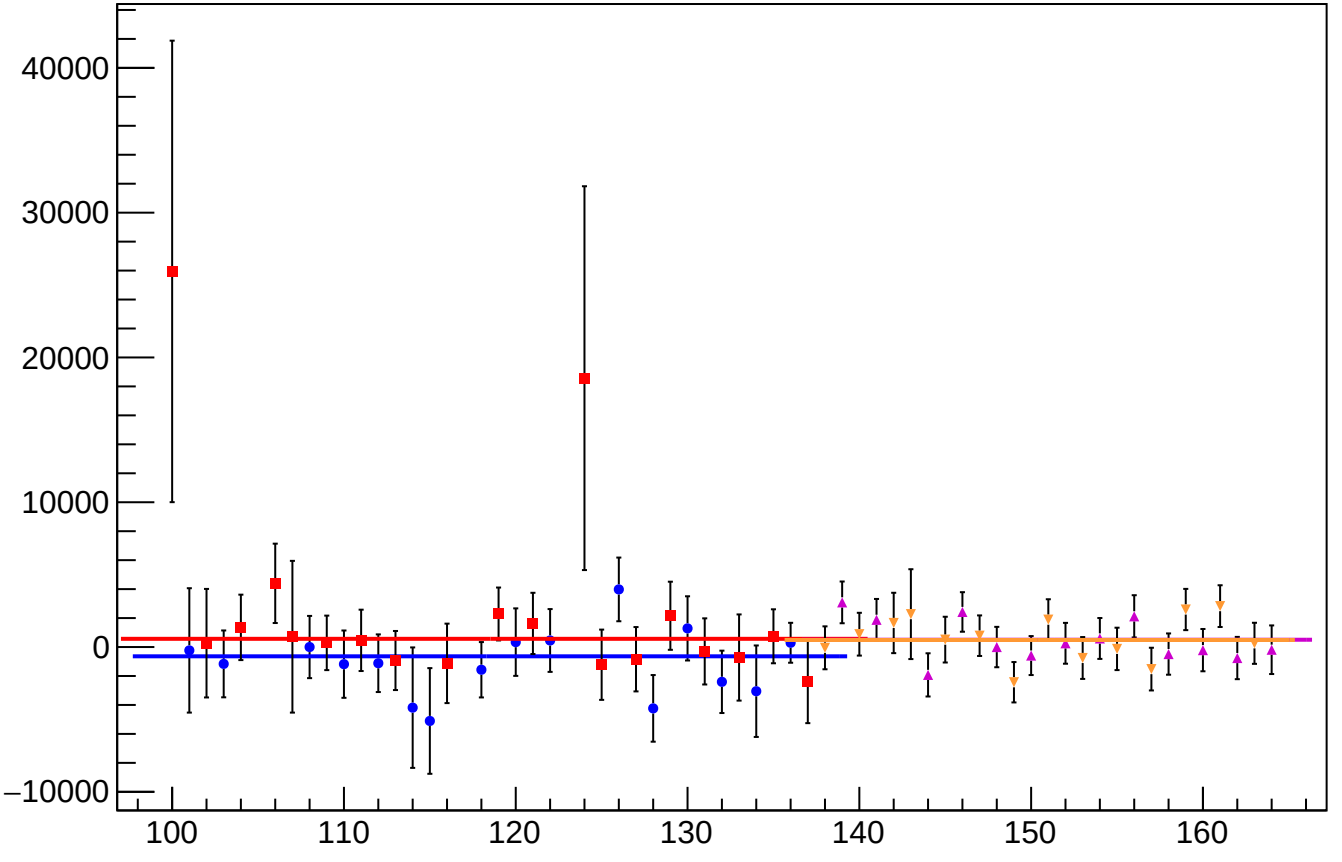
Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

+ sign 358.567+/-0.066 χ^2/NDF: 6915164.4/29

All: 362.643+/-0.046 χ^2/NDF: 12338487.5/61

- 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: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

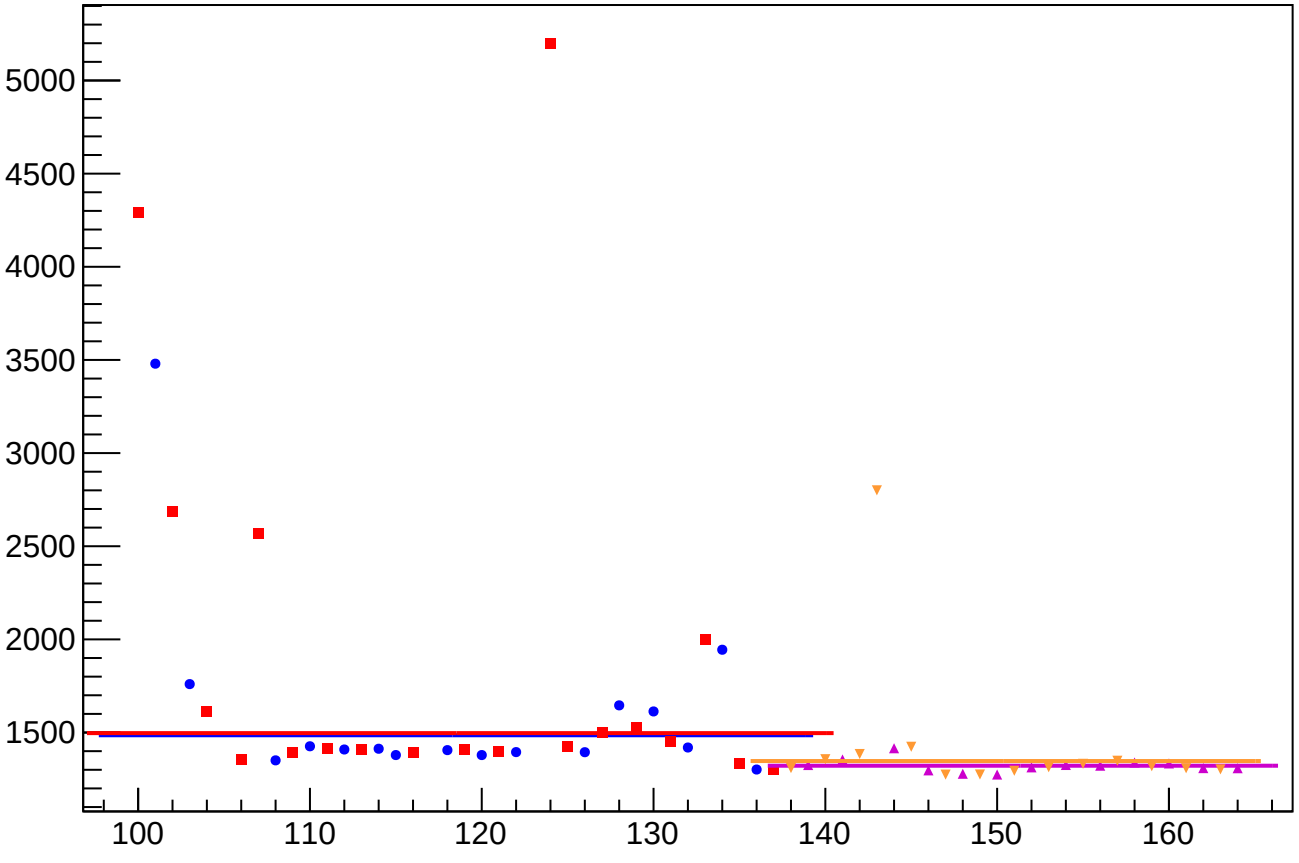
Left In: 503.721+/-399.228 χ^2/NDF:12.4/12

\+ sign 101.993+/-329.834 χ^2/NDF: 29.0/29

All: 315.613+/-231.999 χ^2/NDF: 53.6/61

\- 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: 1347.004+/-0.287 χ^2/NDF:464274.6/13

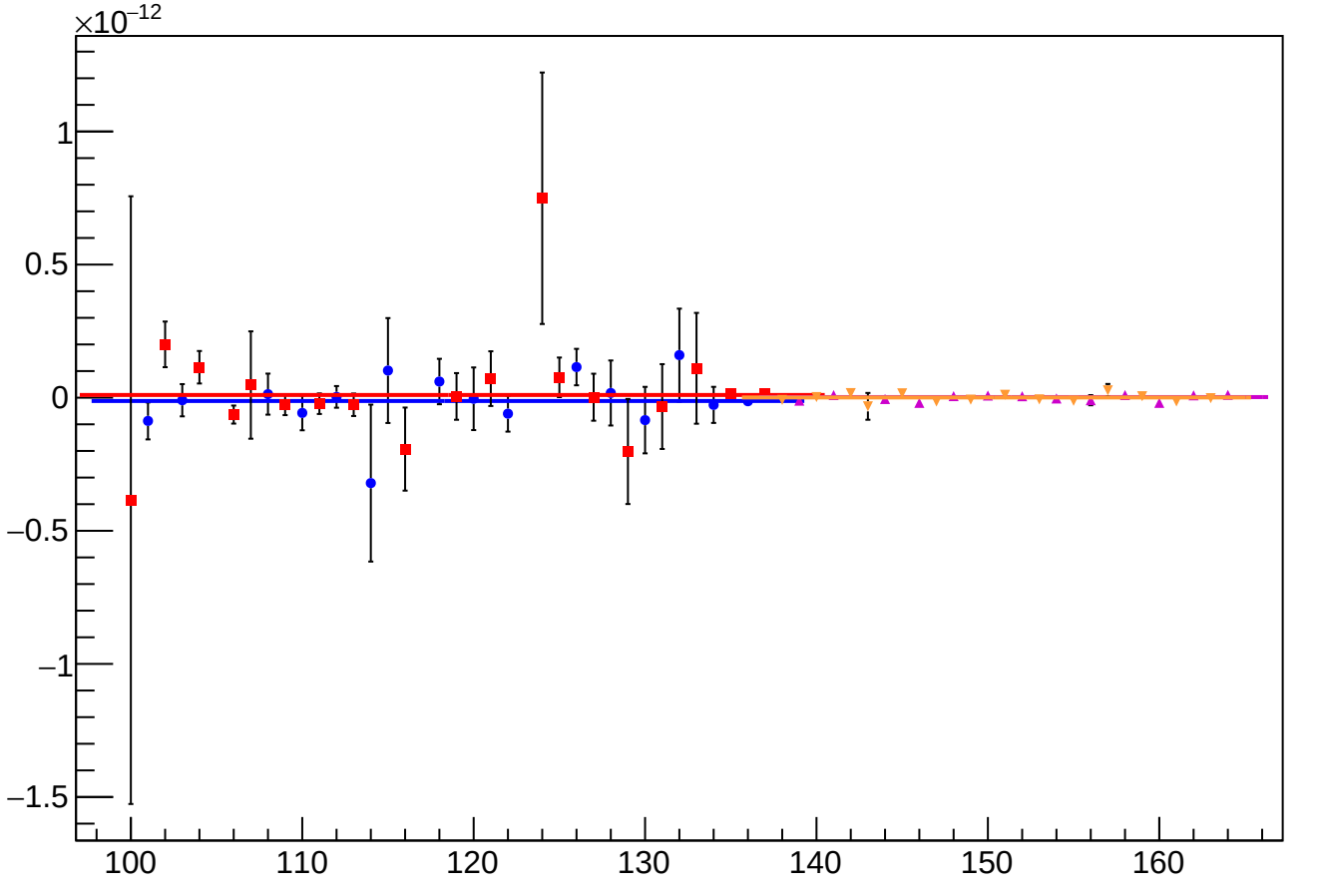
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

+ sign 1394.265+/-0.233 χ^2/NDF: 1127900.5/29

All: 1386.998+/-0.164 χ^2/NDF: 1895439.8/61

- 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:13.8/13

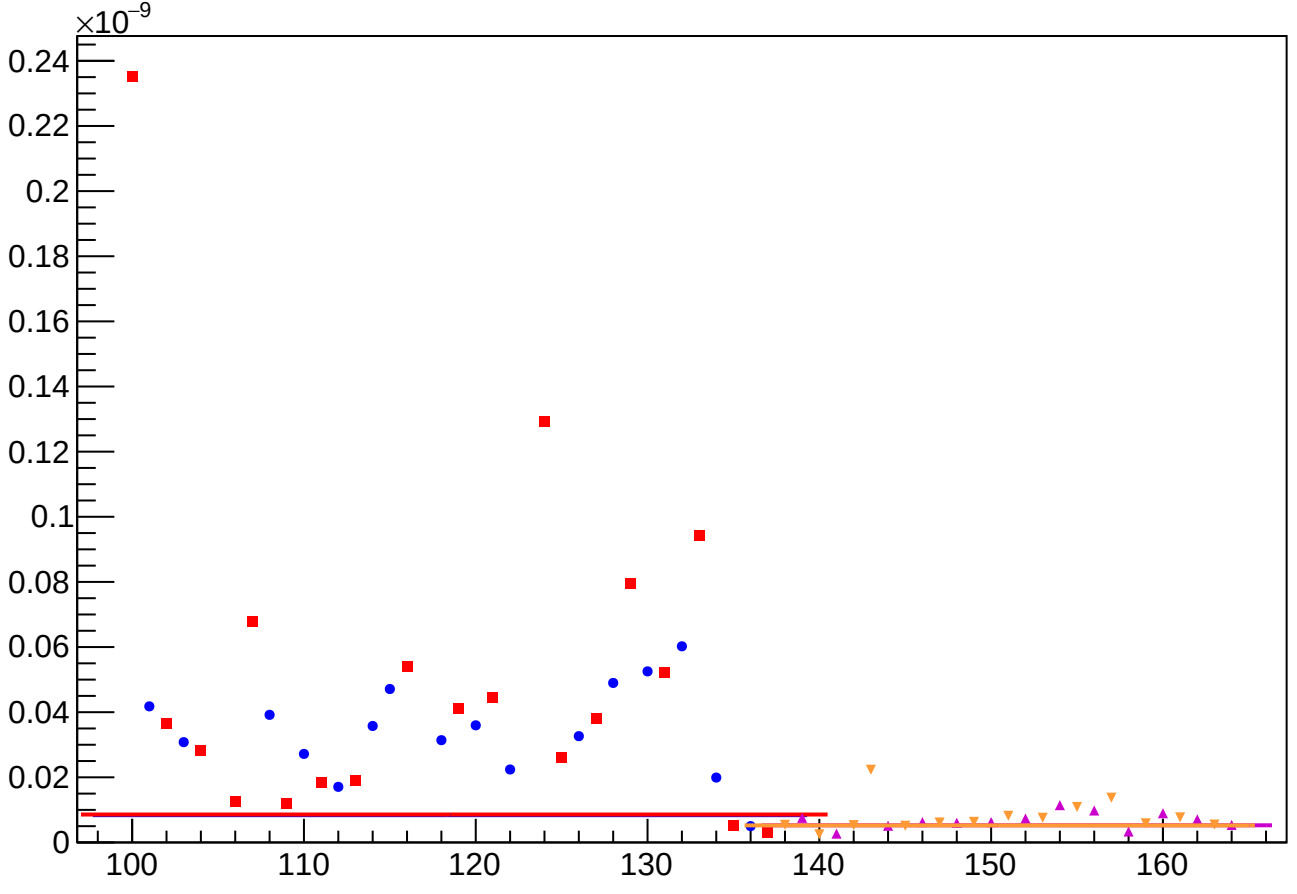
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 63.9/61

- 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:1619189.4/13

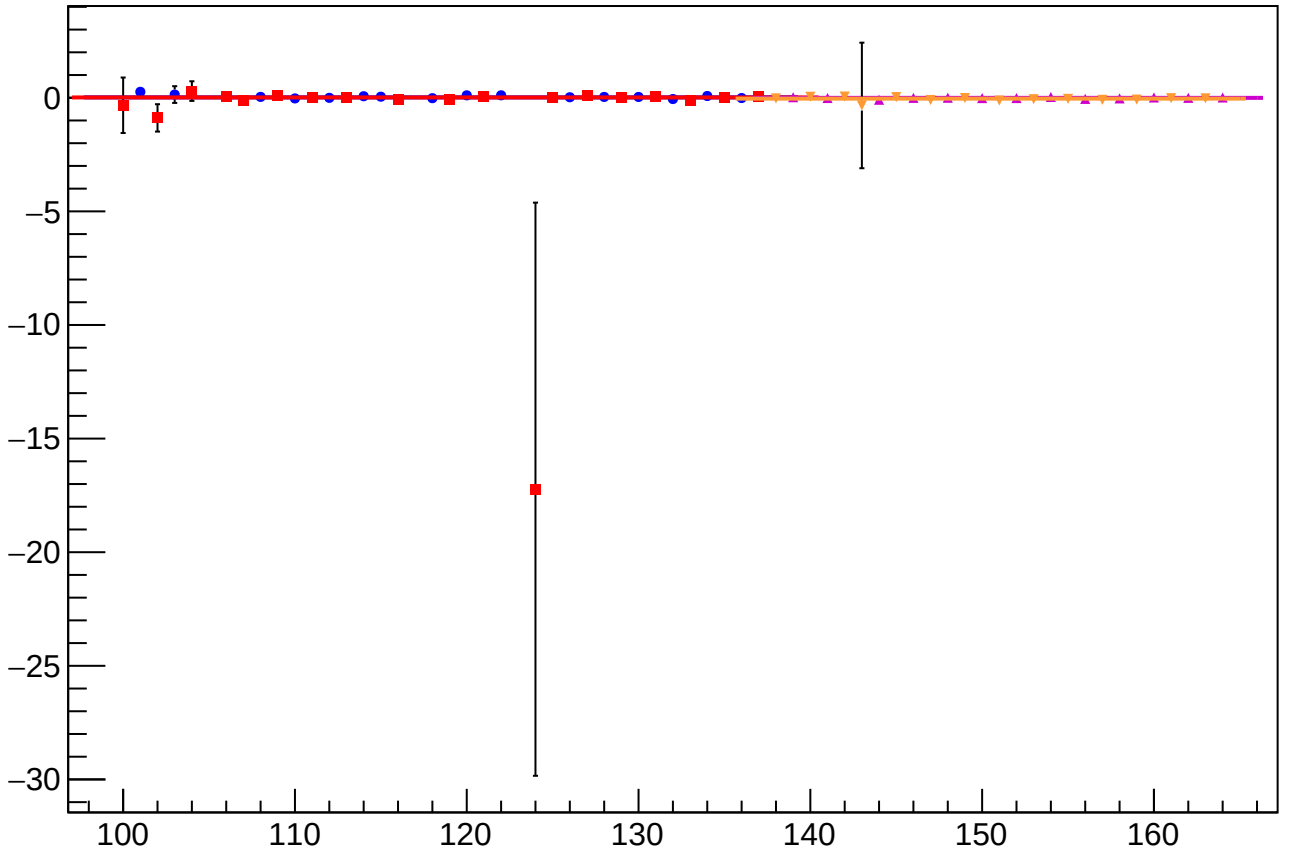
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 4994834.4/29

All: 0.000+/-0.000 χ^2/NDF: 9900228.3/61

- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

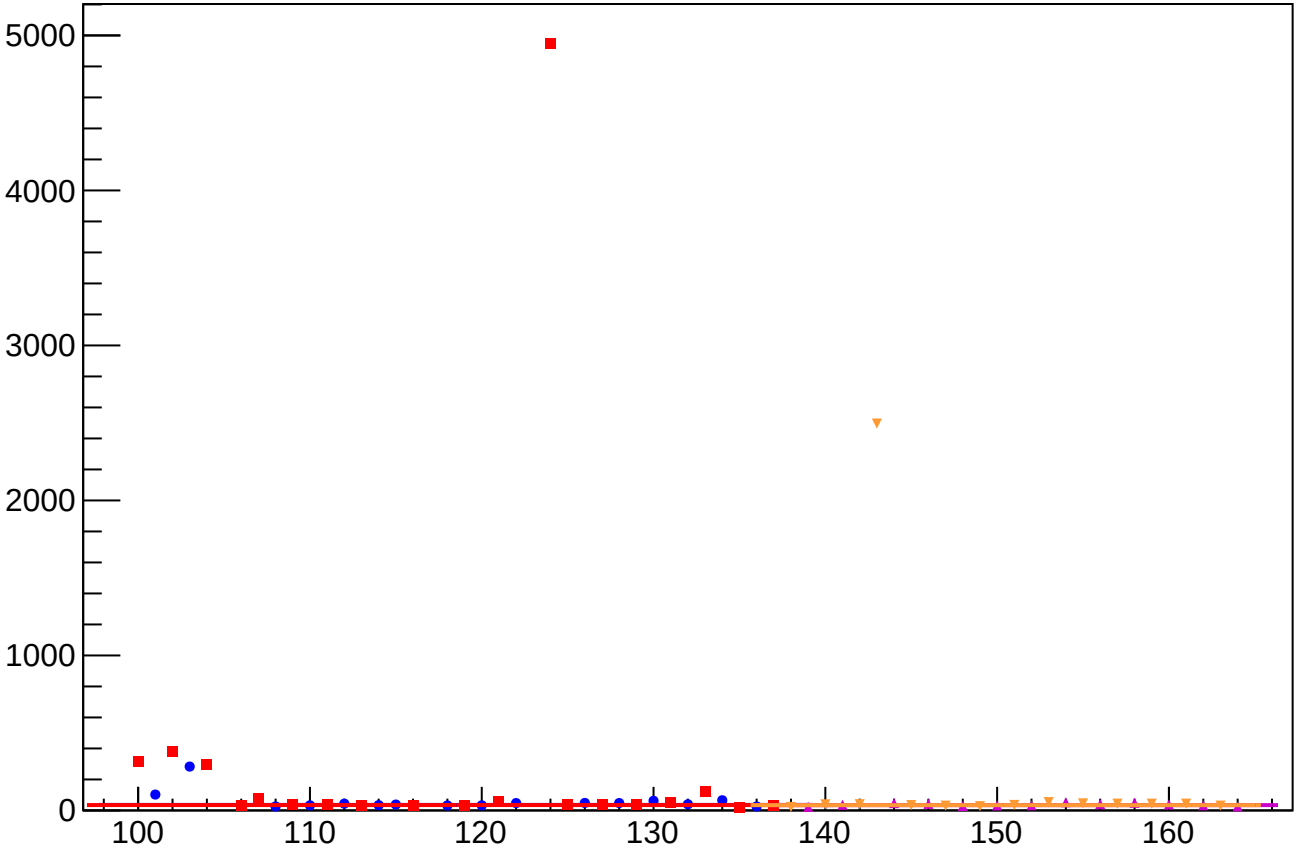
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

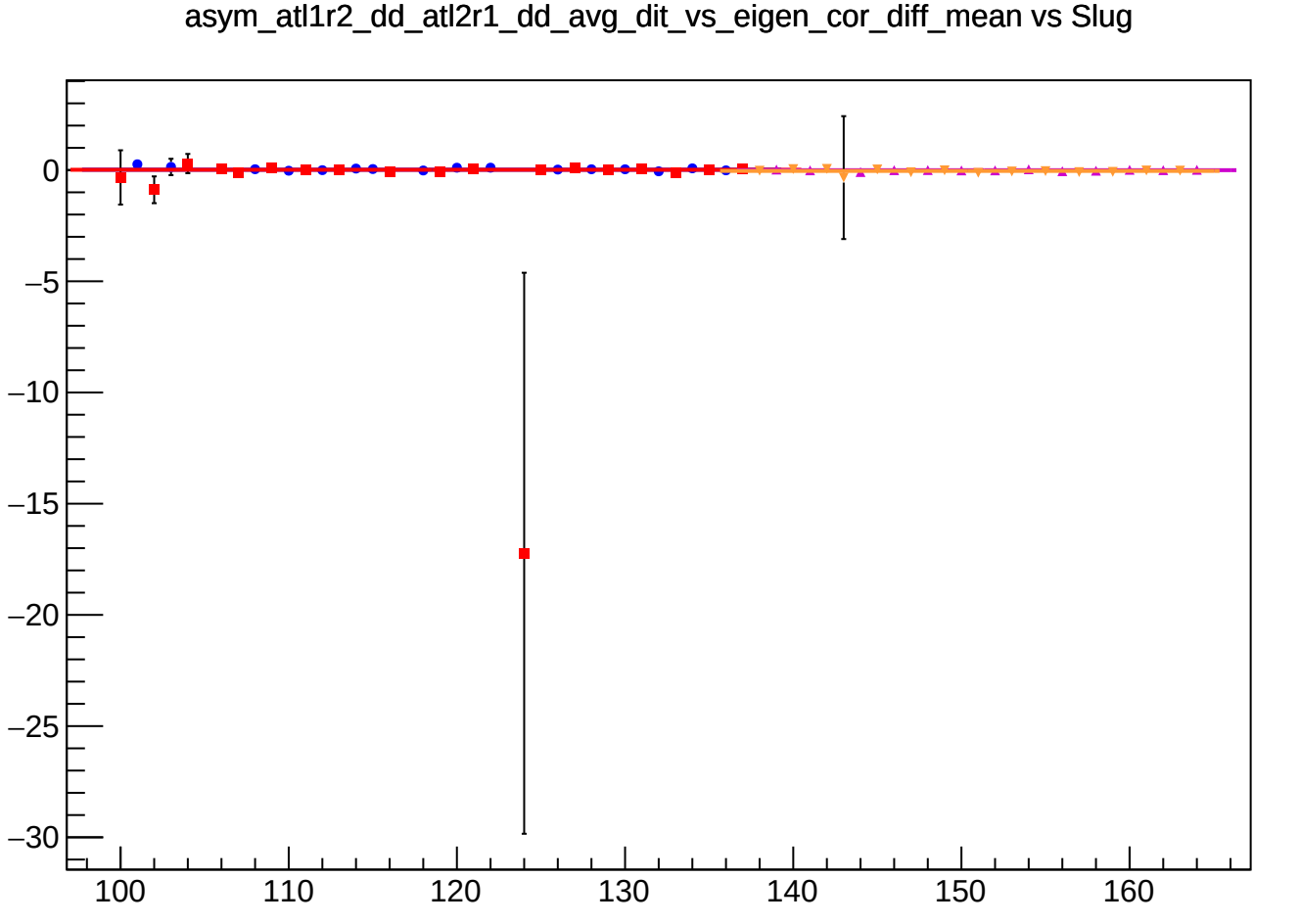
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

\- 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: -0.039+/-0.012 χ^2/NDF:17.6/13

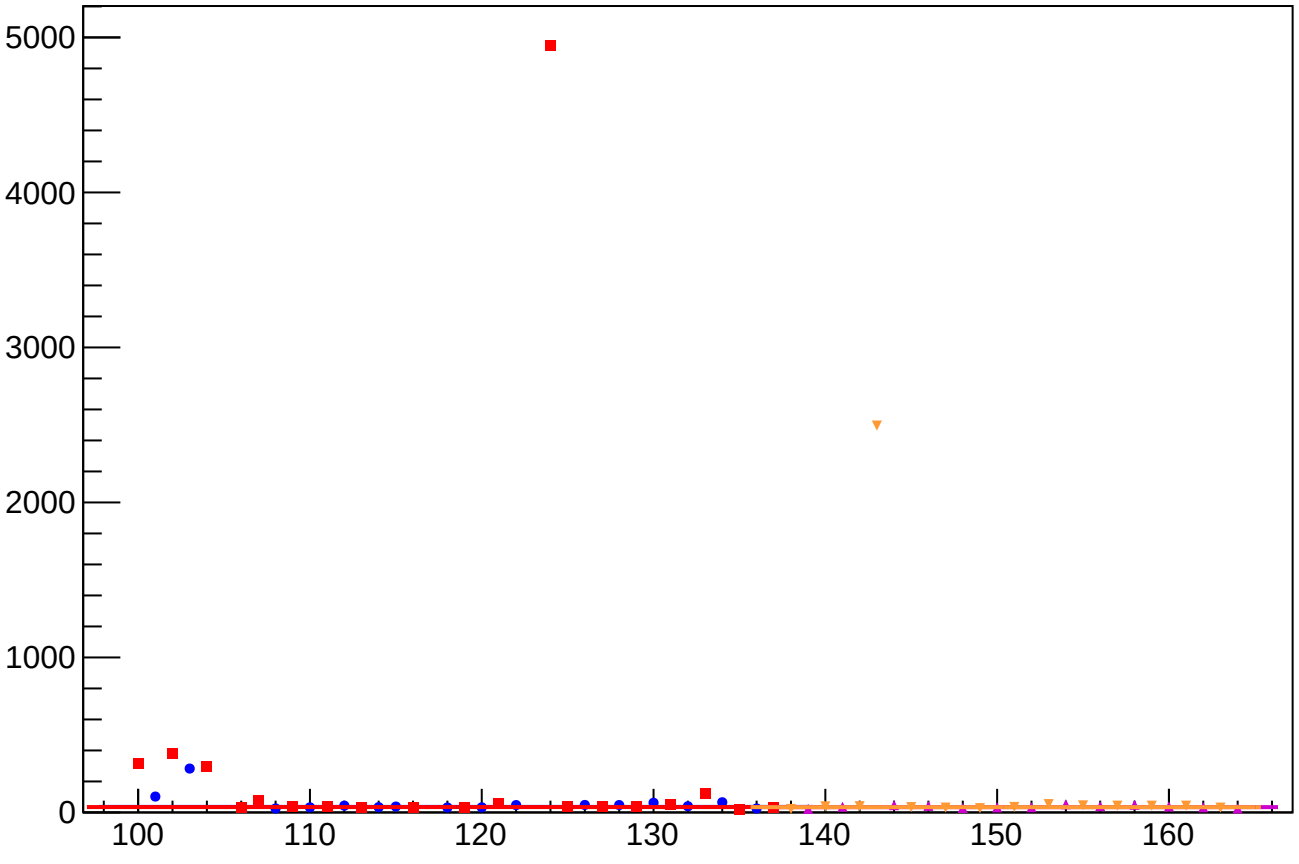
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- 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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

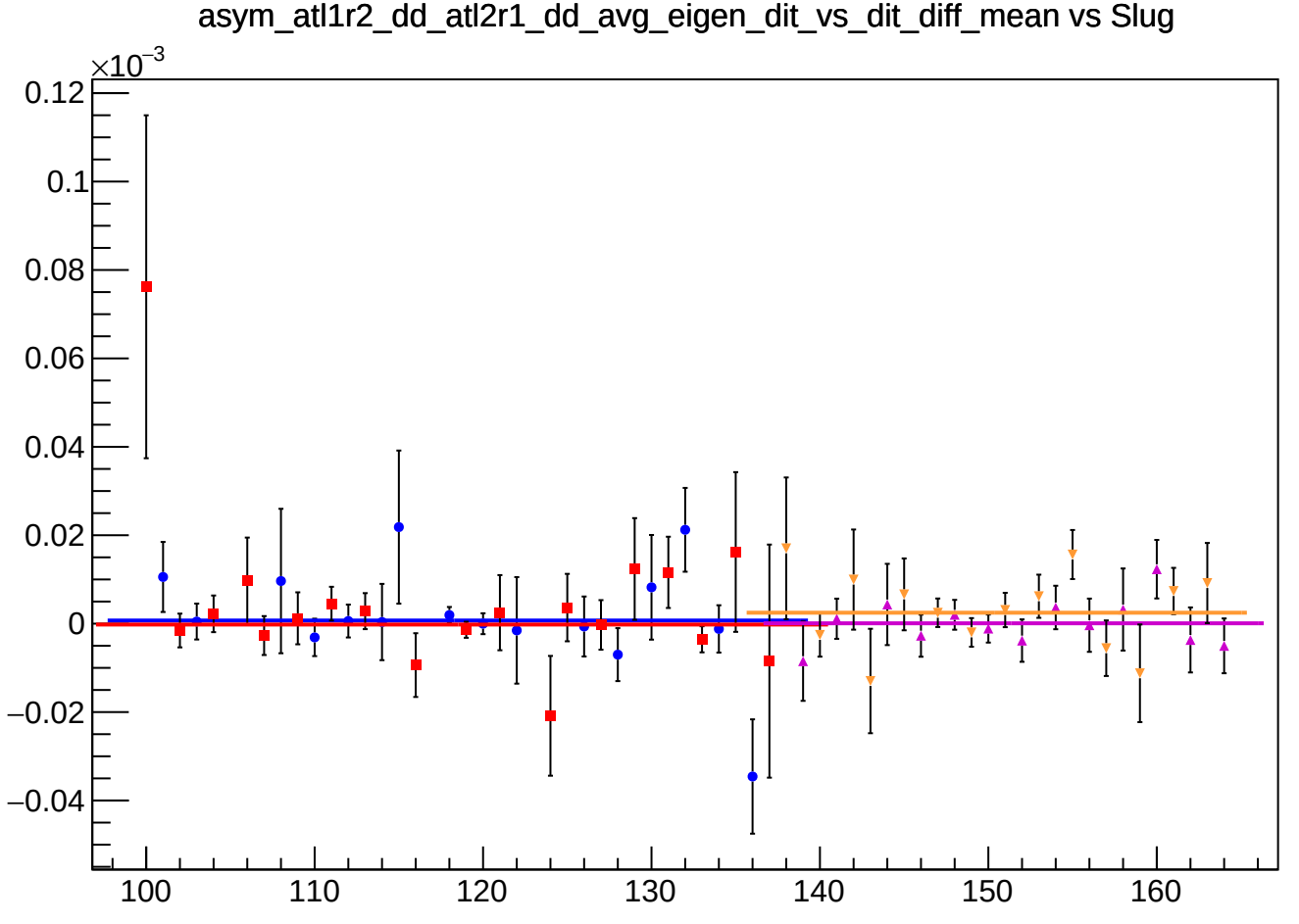
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

- 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:17.0/13

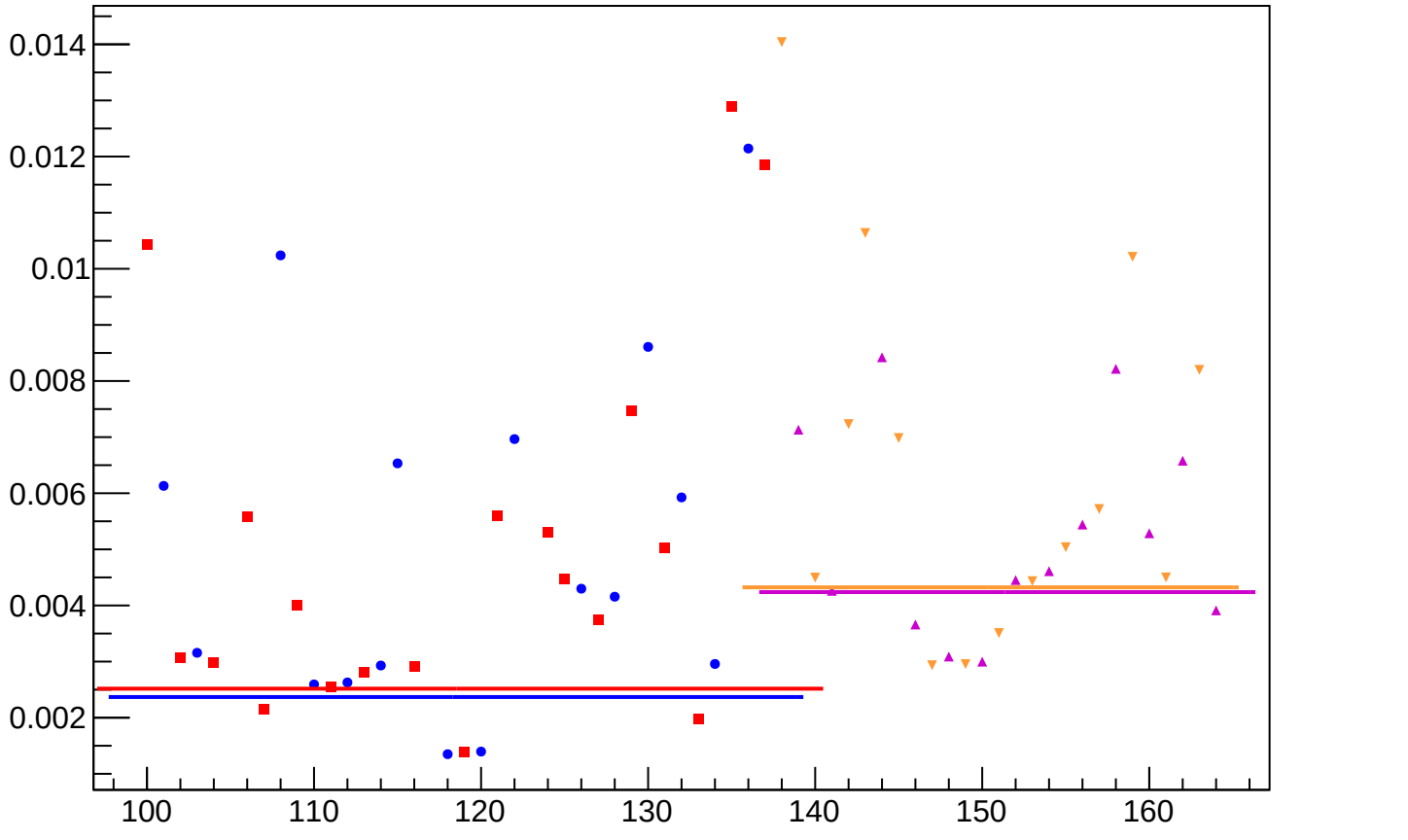
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/29

All: 0.000+/-0.000 χ^2/NDF: 64.3/61

- 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:3540393.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

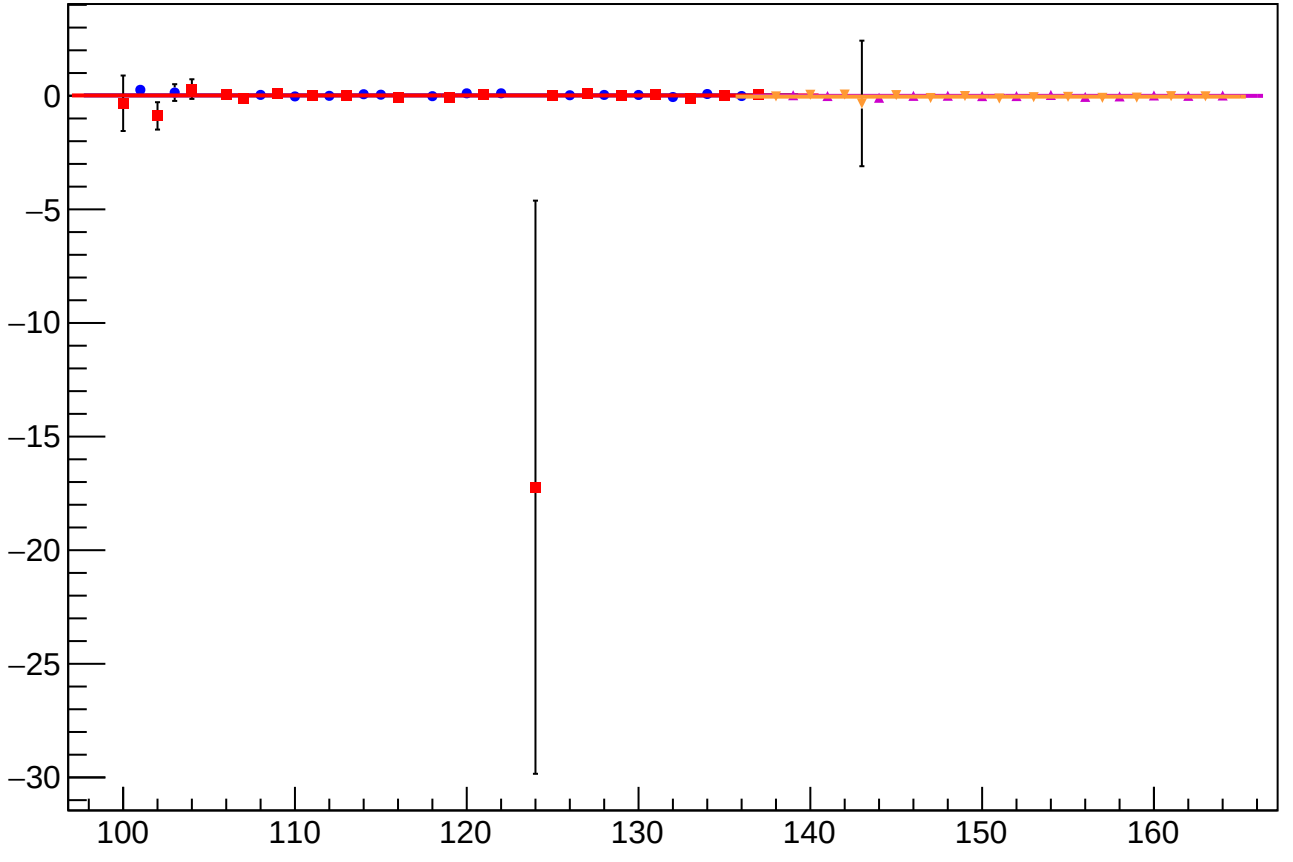
Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

+ sign 0.003+/-0.000 χ^2/NDF: 10601790.7/29

All: 0.003+/-0.000 χ^2/NDF: 17791541.1/61

- sign 0.003+/-0.000 χ^2/NDF: 7188087.9/31

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

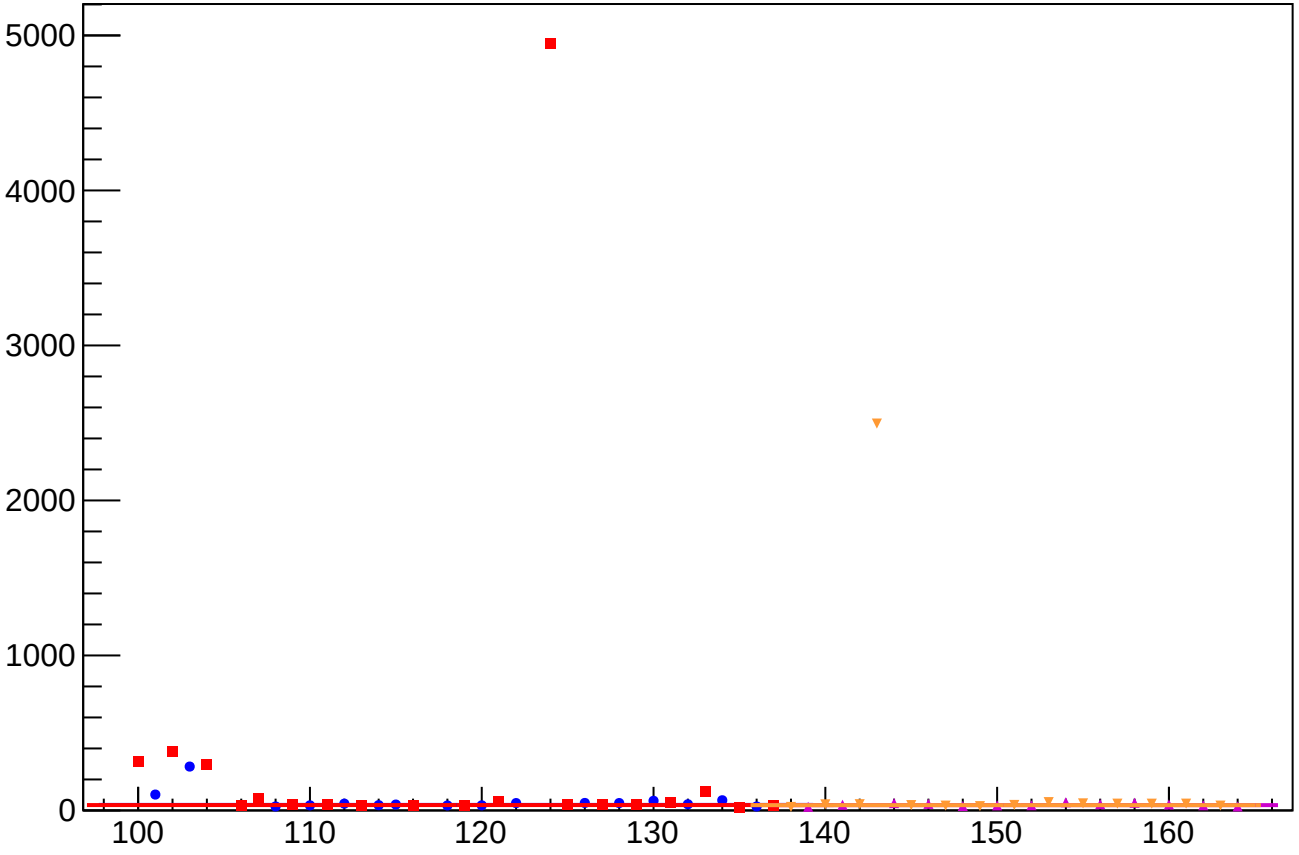
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.008+/-0.007 χ^2/NDF: 62.2/61

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616363.8/13

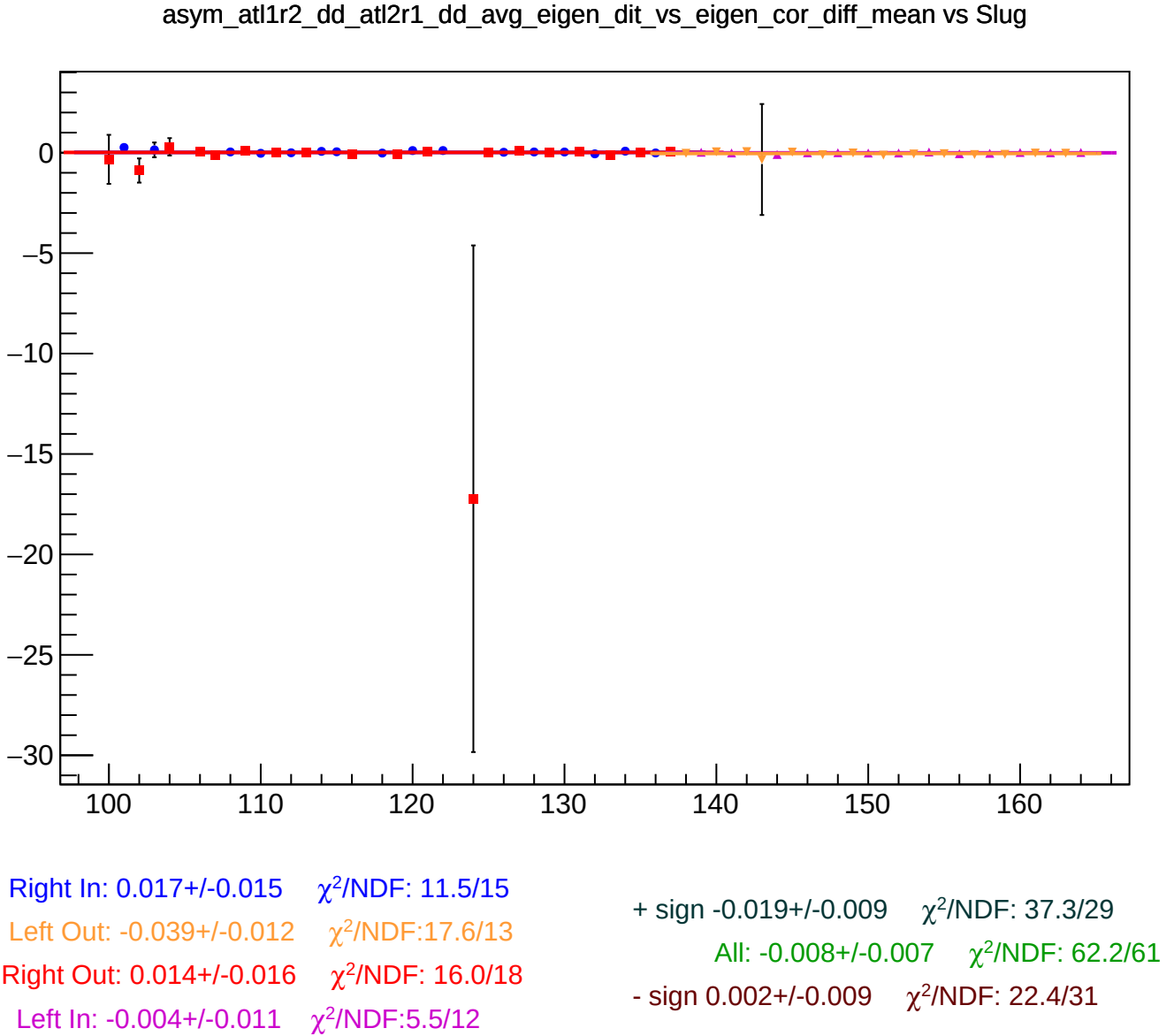
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

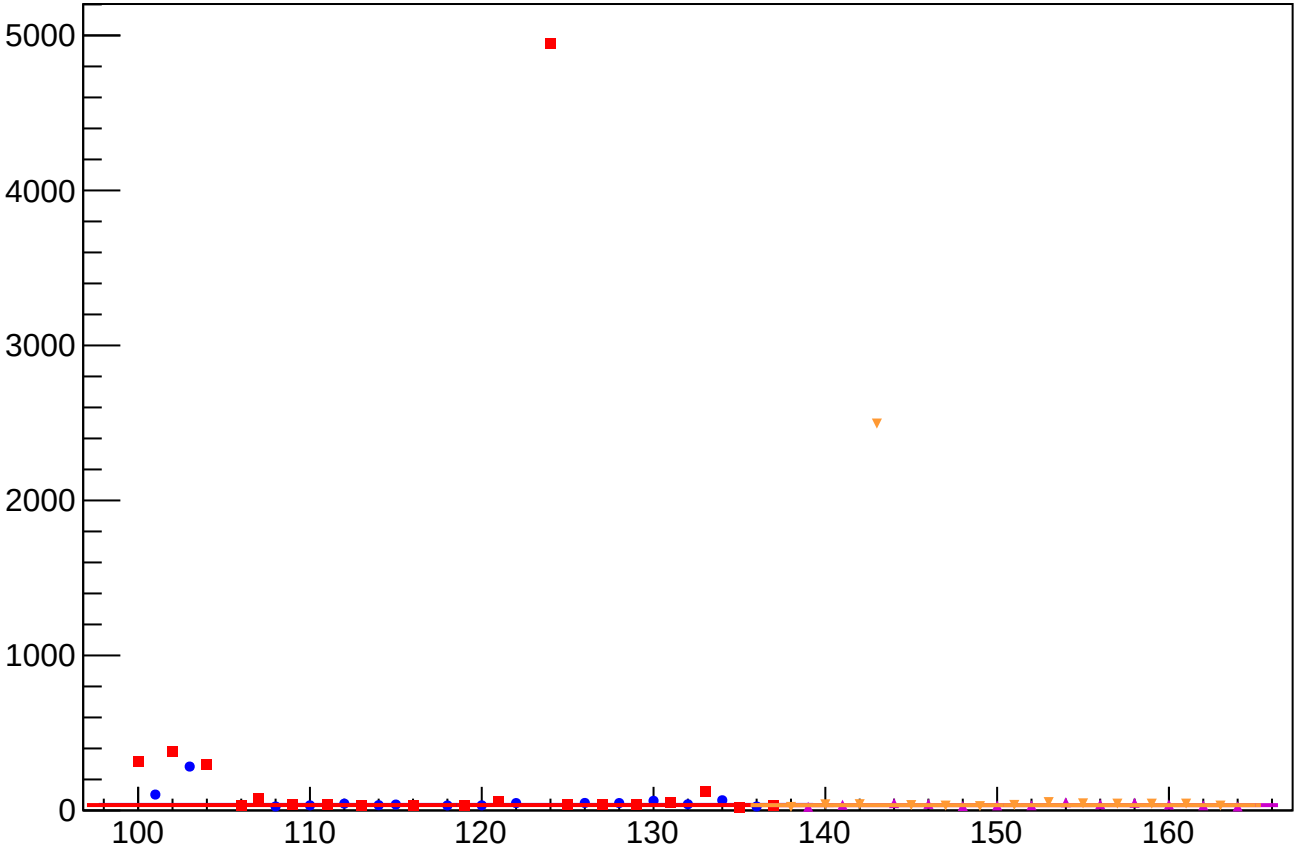
+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

- sign 34.512+/-0.007 χ^2/NDF: 3963726.2/31


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.017+/-0.015 χ²/NDF: 11.5/15
Left Out: -0.039+/-0.012 χ²/NDF:17.6/13
Right Out: 0.014+/-0.016 χ²/NDF: 16.0/18
Left In: -0.004+/-0.011 χ²/NDF:5.5/12
+ sign -0.019+/-0.009 χ²/NDF: 37.3/29
All: -0.008+/-0.007 χ²/NDF: 62.2/61
- sign 0.002+/-0.009 χ²/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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

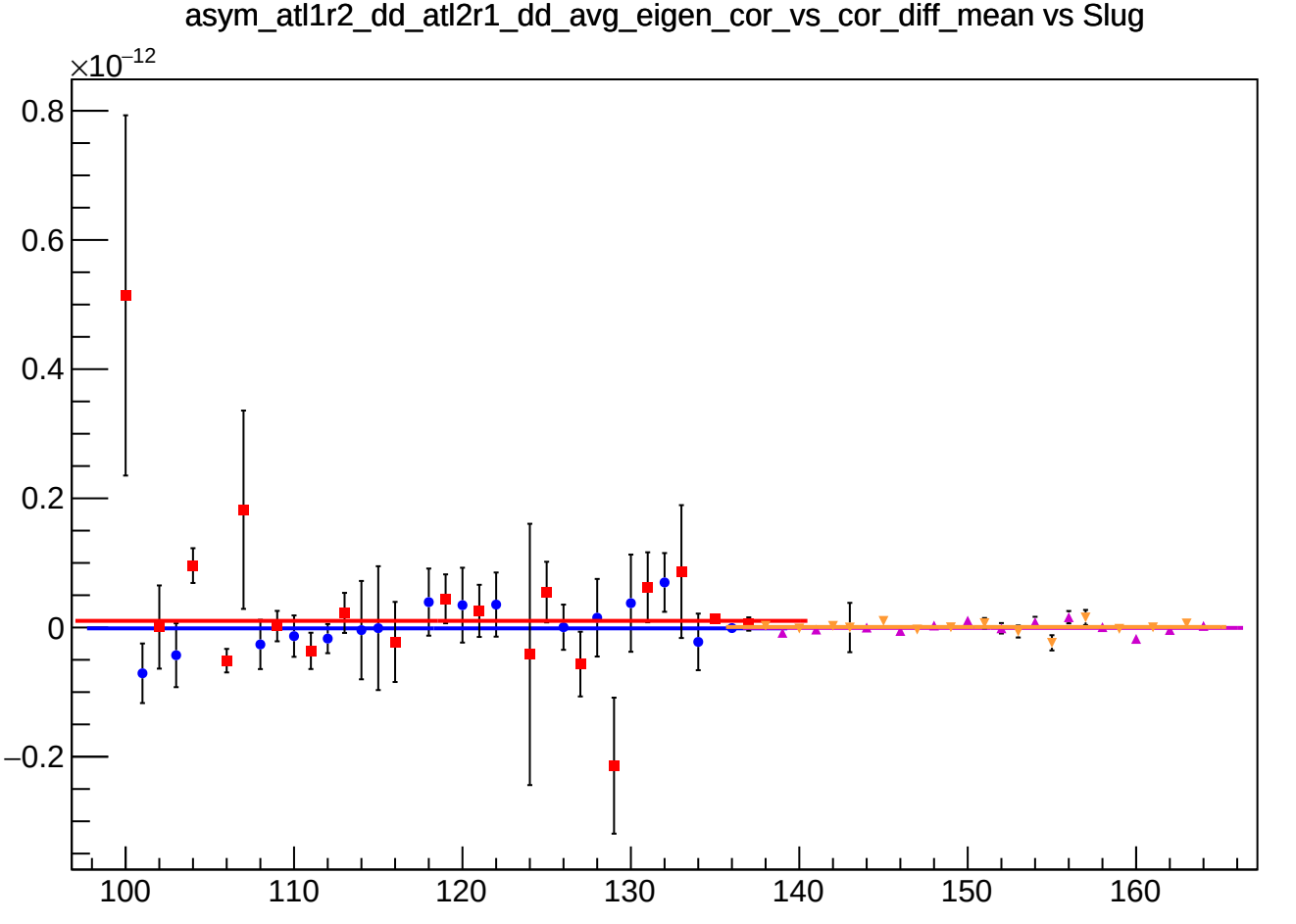
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

- 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:11.4/13

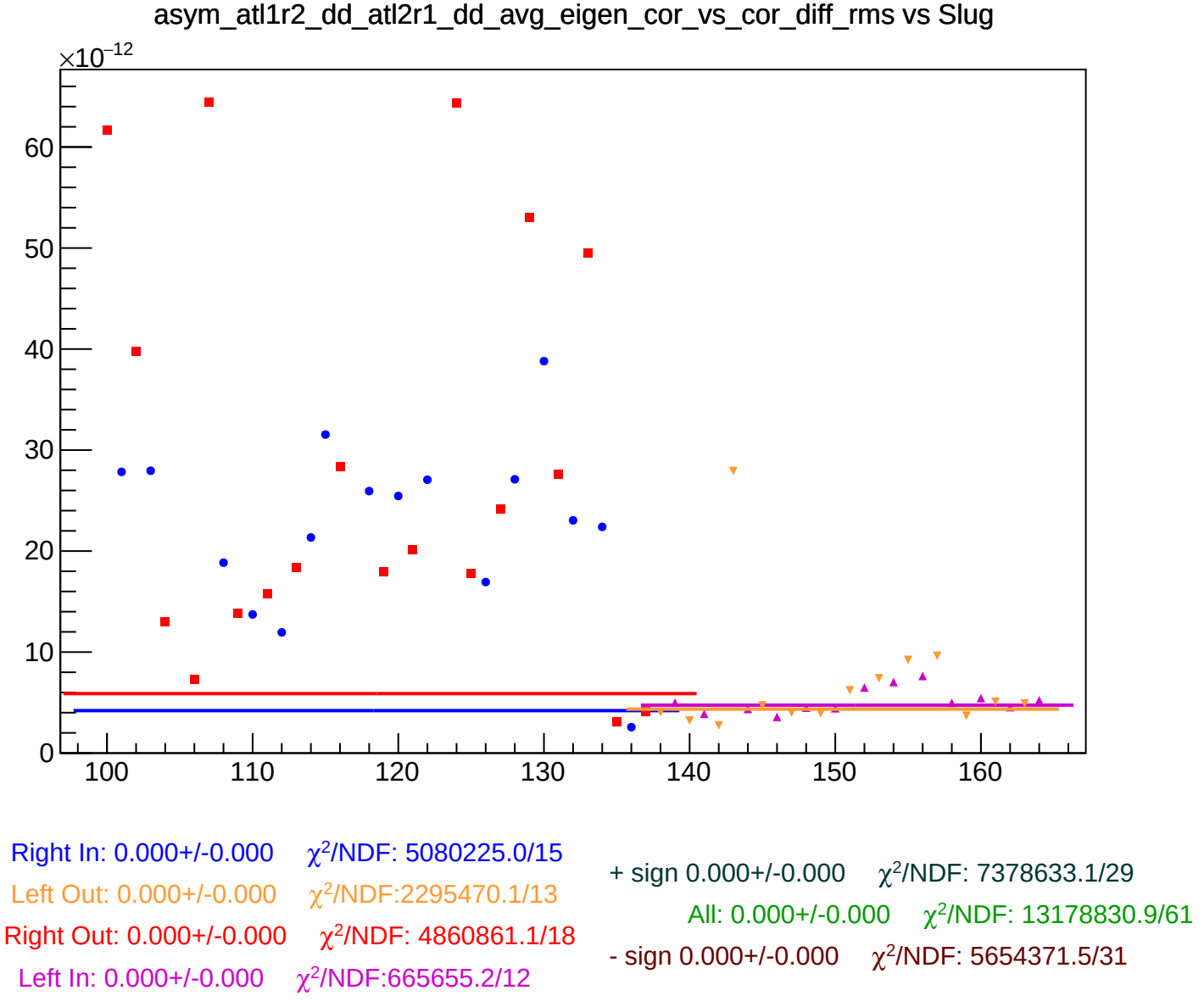
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/12

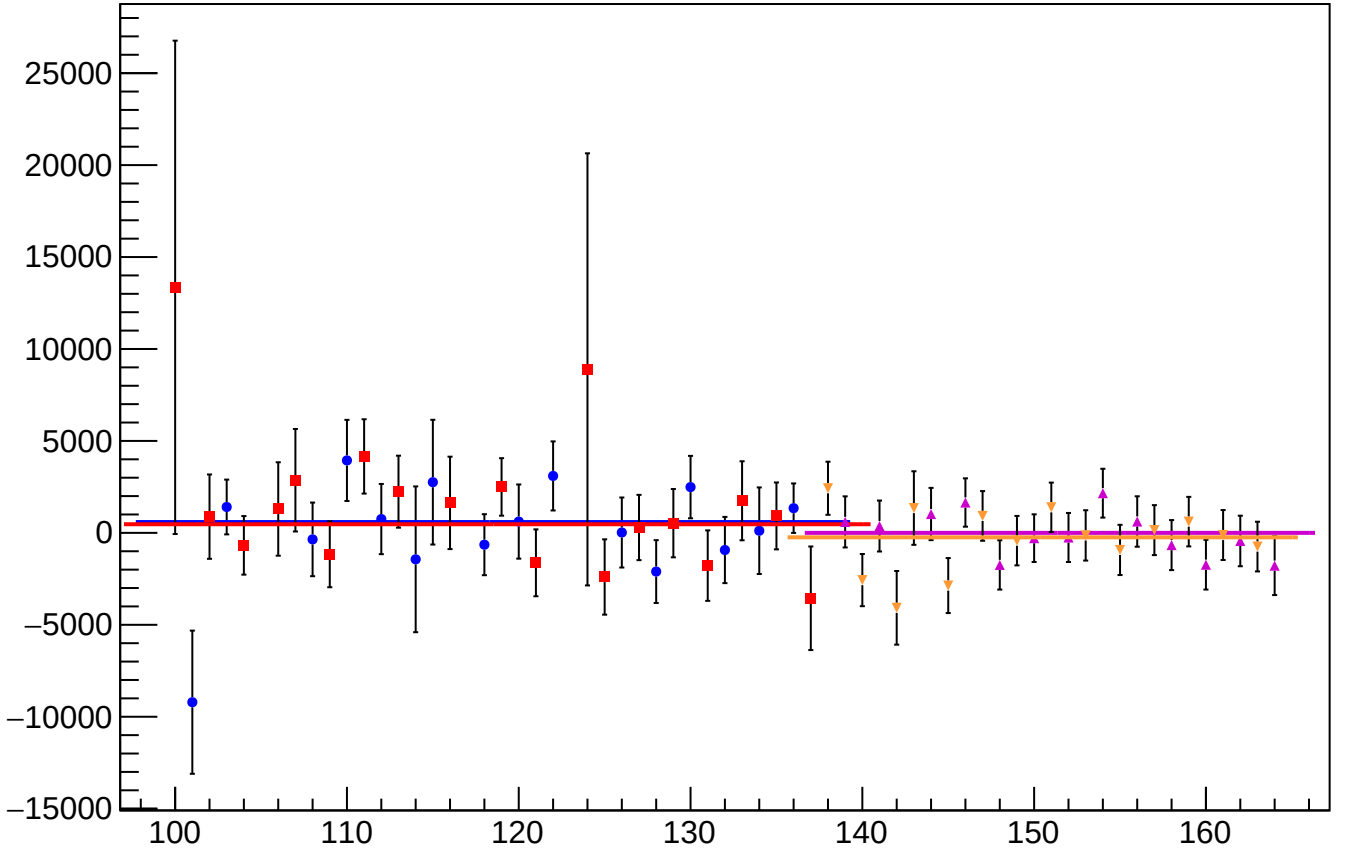
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/29

All: 0.000+/-0.000 χ^2/NDF: 83.4/61

- 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:2295470.1/13
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: 7378633.1/29
All: 0.000+/-0.000 χ²/NDF: 13178830.9/61
- 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: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

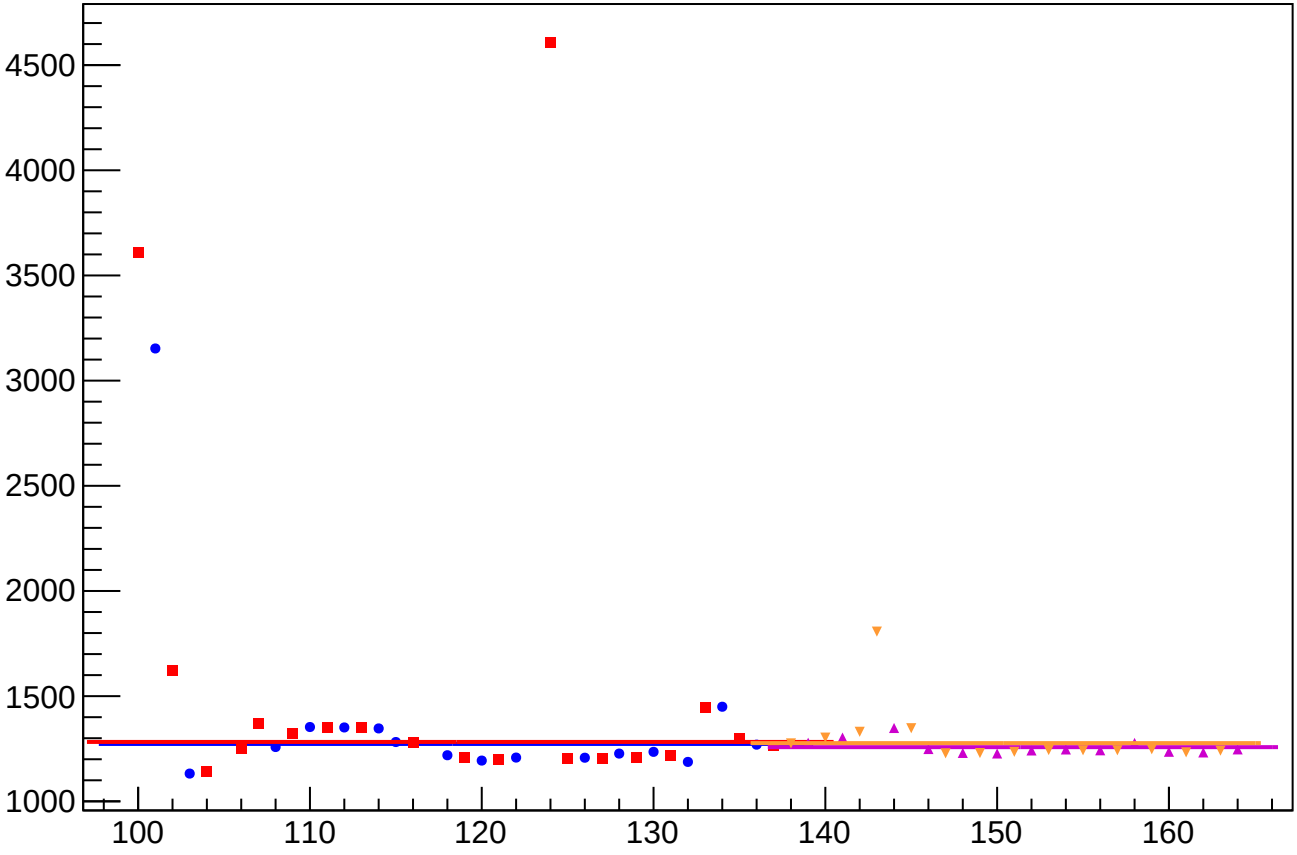
Left In: 0.394+/-379.805 χ^2/NDF:10.2/12

+ sign 77.823+/-299.782 χ^2/NDF: 35.5/29

All: 129.517+/-211.333 χ^2/NDF: 63.2/61

- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

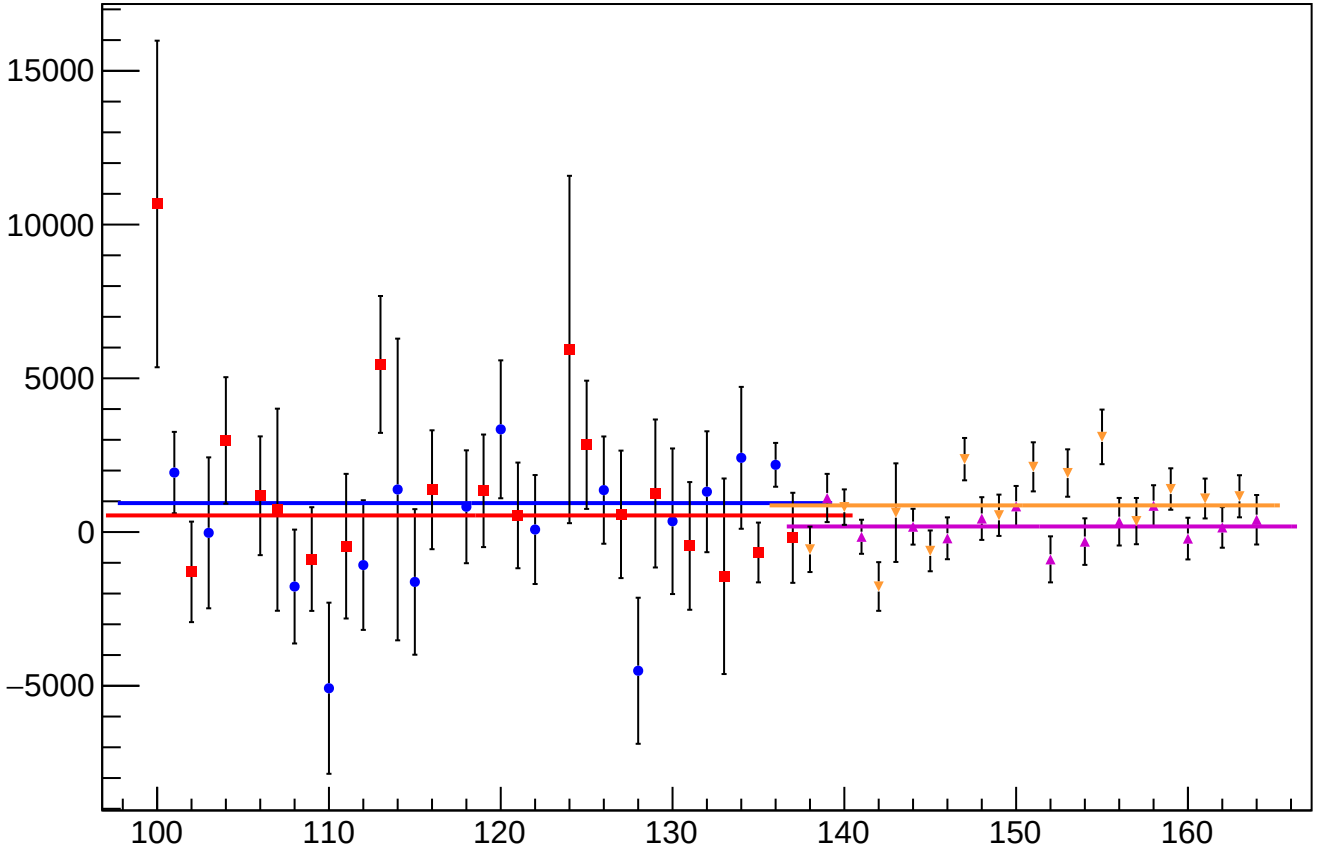
Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681573.1/29

All: 1271.144+/-0.149 χ^2/NDF: 1022878.5/61

- sign 1267.111+/-0.211 χ^2/NDF: 340568.2/31

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 867.249+/-194.533 χ^2/NDF:36.9/13

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

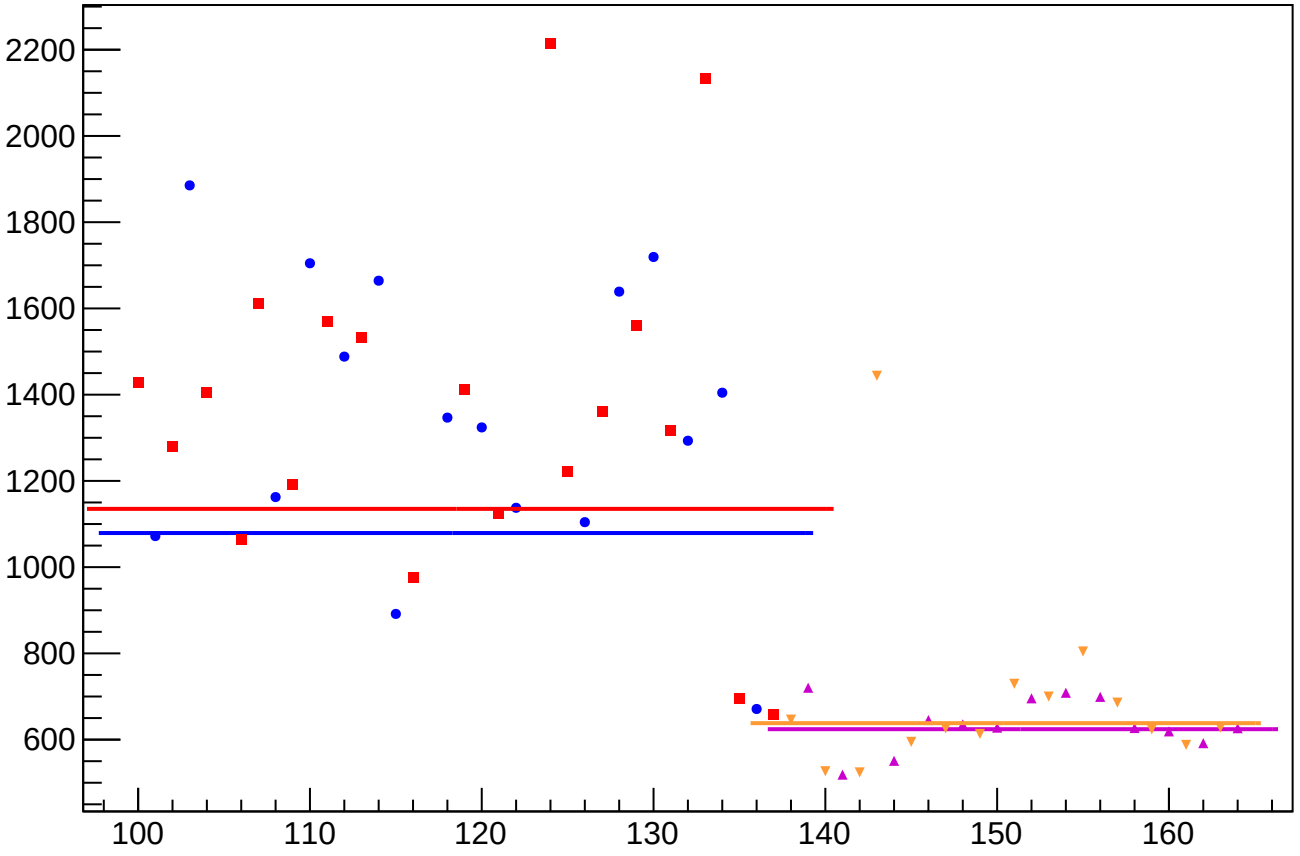
Left In: 181.537+/-189.763 χ^2/NDF:7.1/12

+ sign 880.114+/-176.944 χ^2/NDF: 56.8/29

All: 554.052+/-124.152 χ^2/NDF: 88.3/61

- sign 237.873+/-174.242 χ^2/NDF: 24.9/31

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

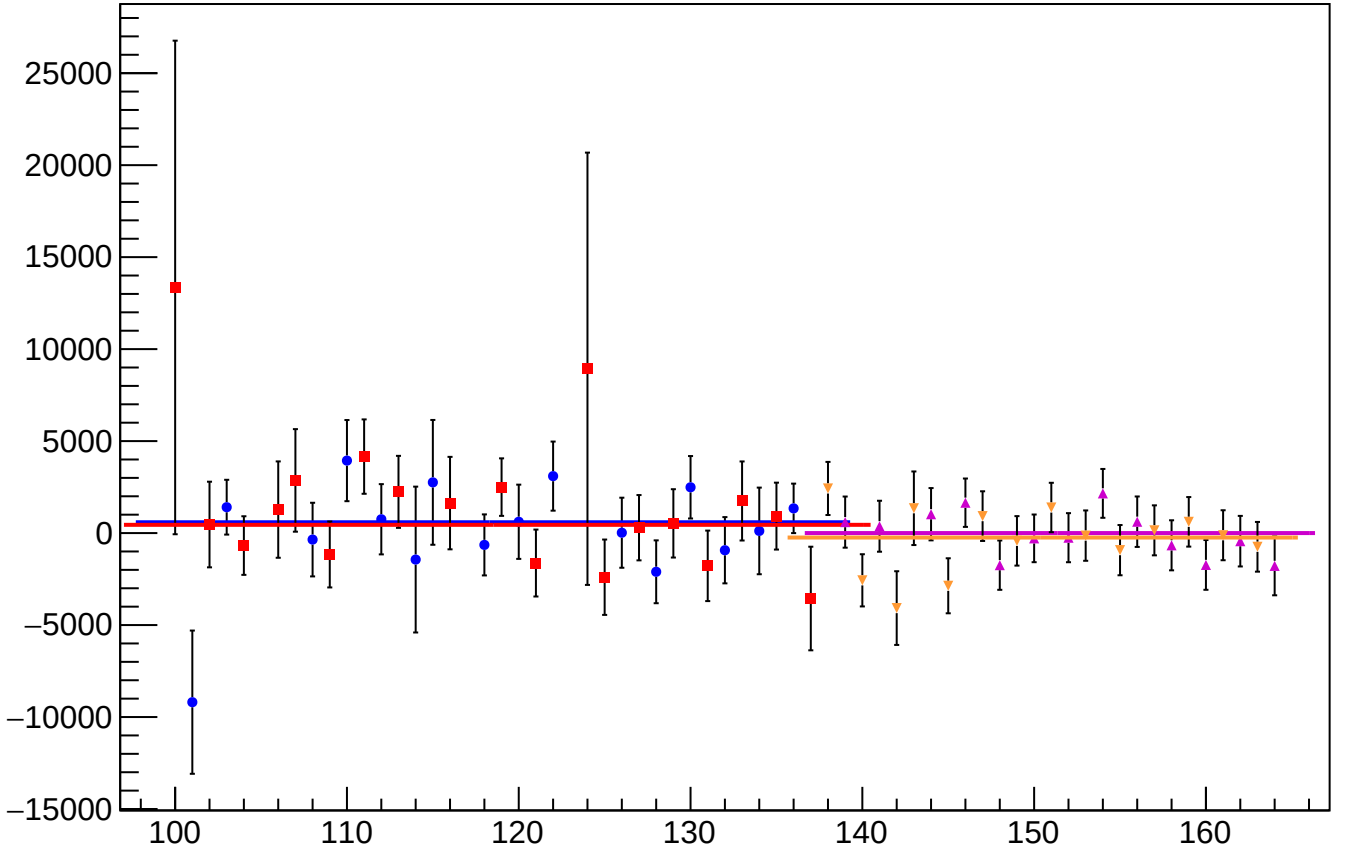
Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

+ sign 714.313+/-0.125 χ^2/NDF: 4020341.6/29

All: 709.259+/-0.088 χ^2/NDF: 7795194.7/61

- 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: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

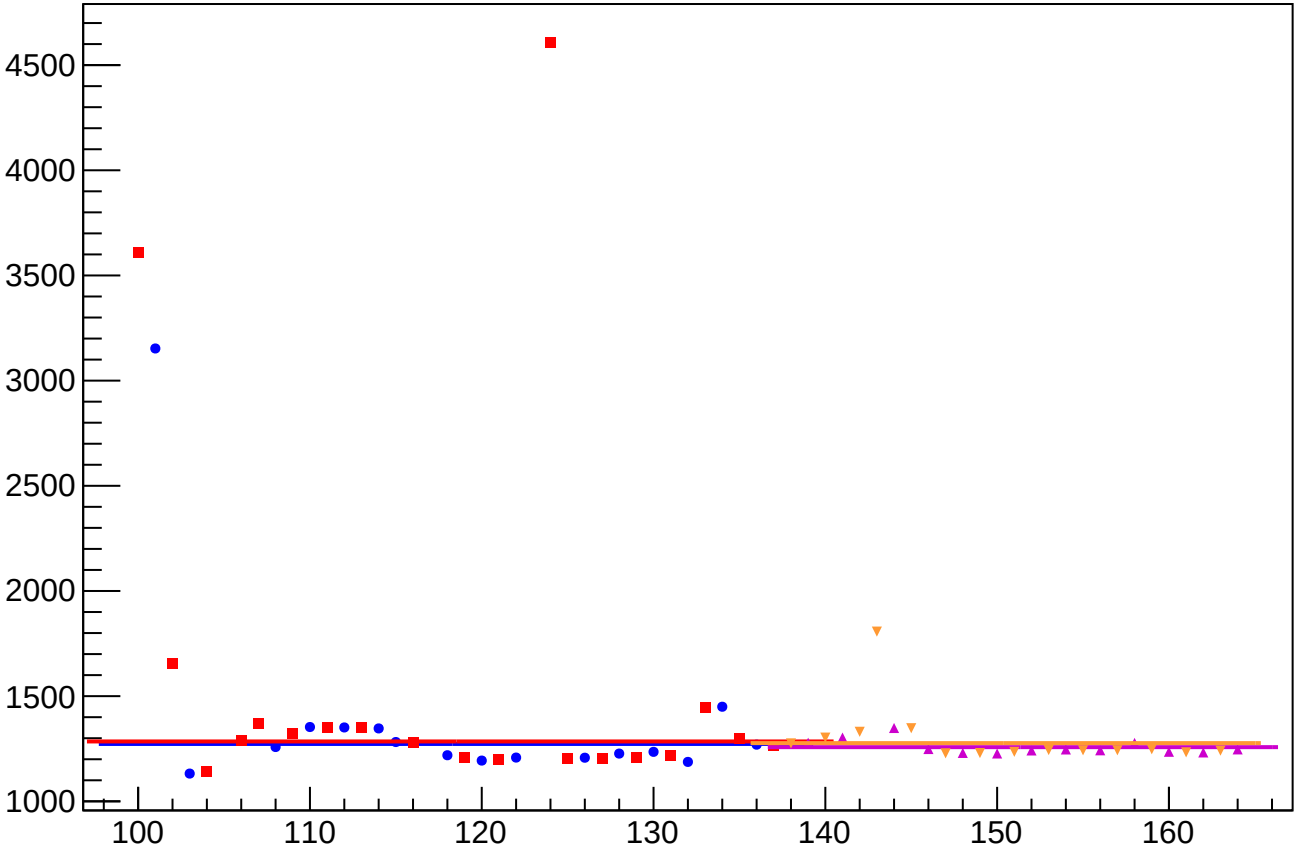
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 125.350+/-211.403 χ^2/NDF: 63.1/61

- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

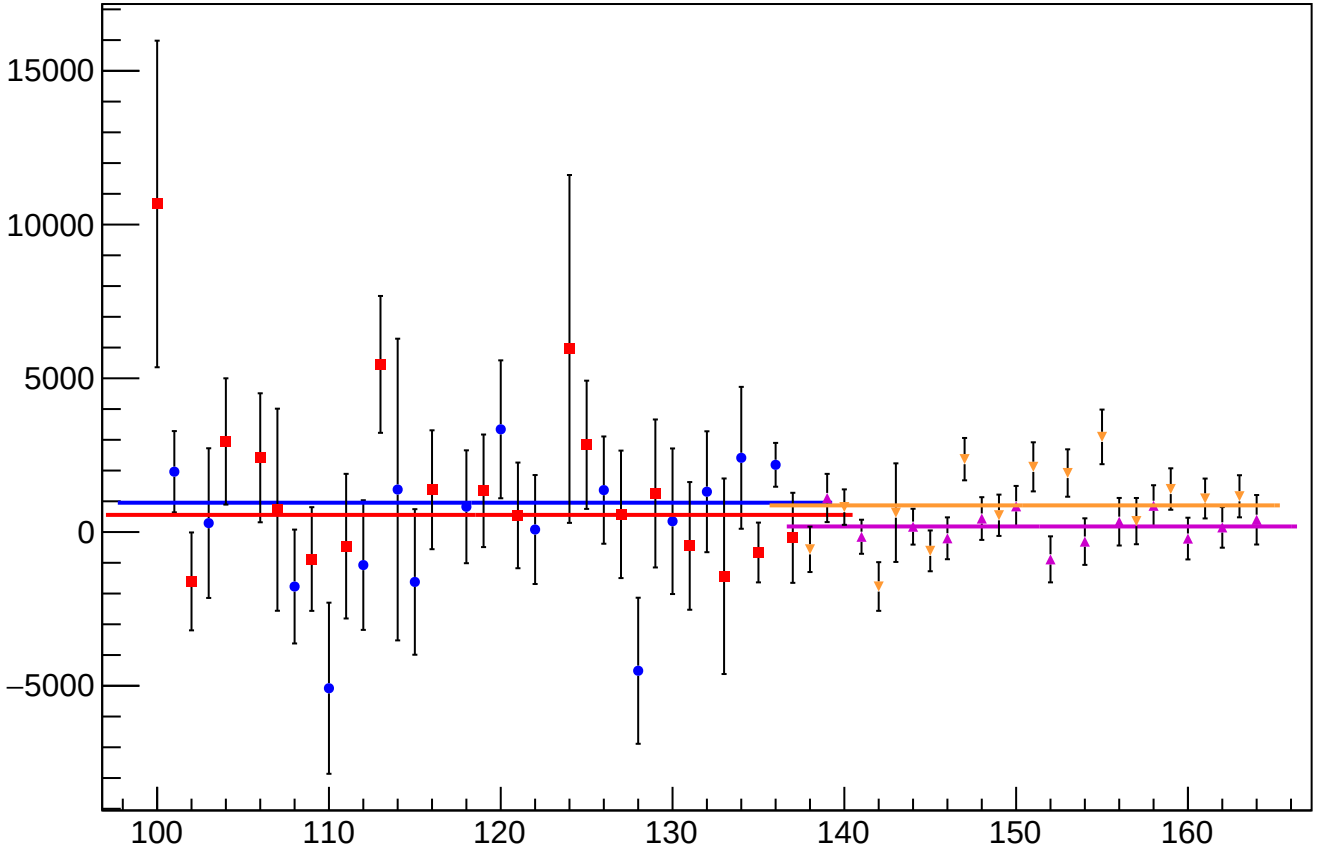
Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

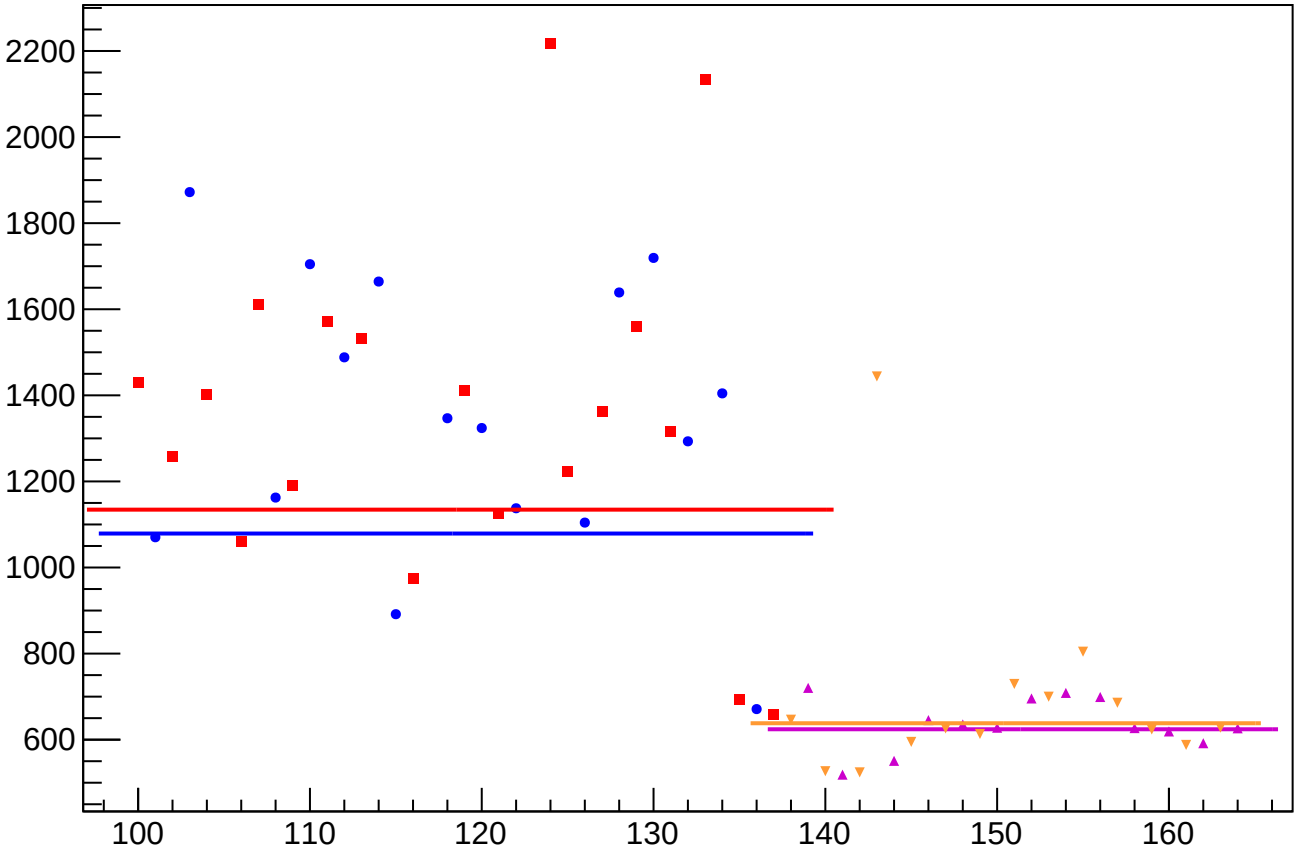
Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

\+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 556.485+/-124.167 χ^2/NDF: 89.6/61

\- sign 240.398+/-174.295 χ^2/NDF: 26.1/31

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

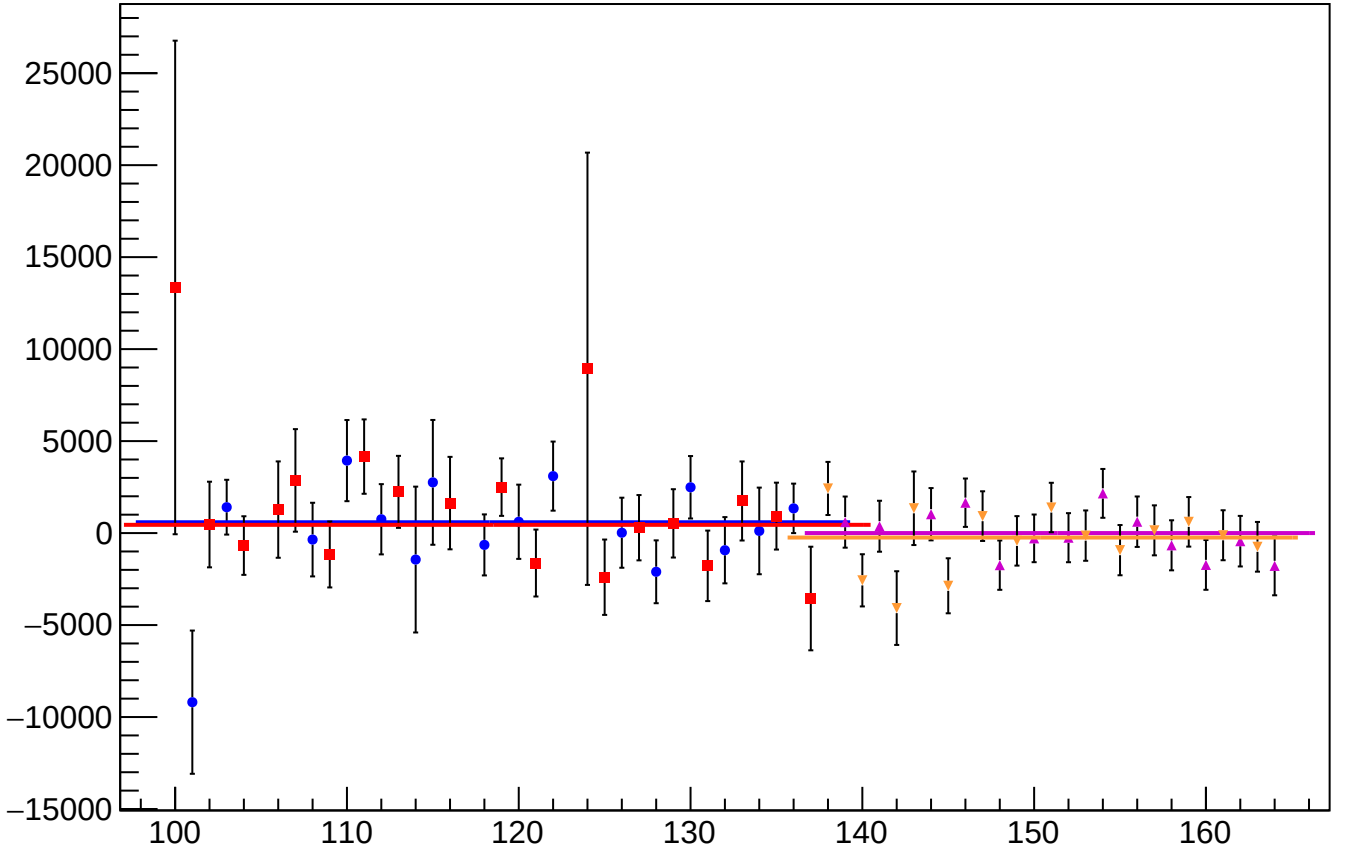
Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

\+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61

\- sign 703.980+/-0.123 χ^2/NDF: 3753585.9/31

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

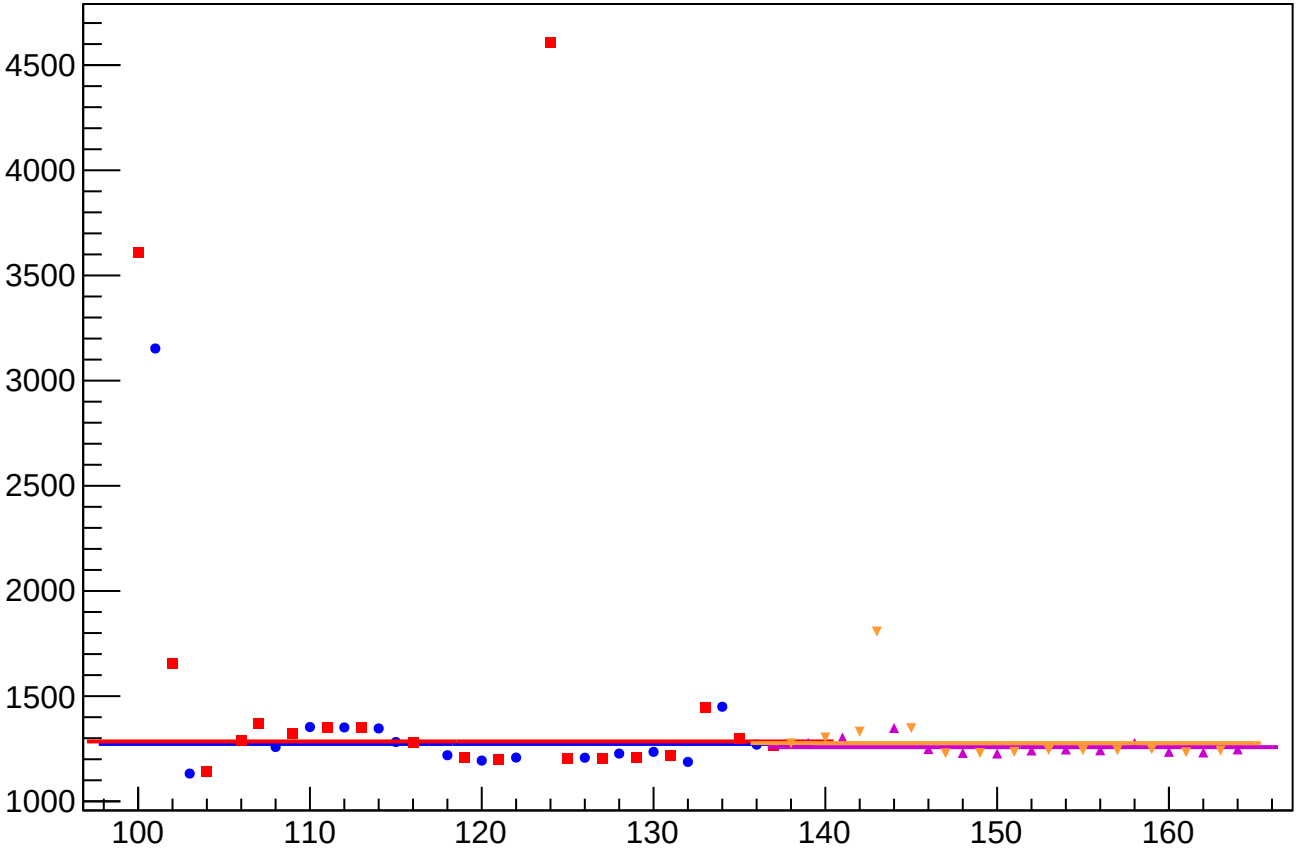
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 125.350+/-211.403 χ^2/NDF: 63.1/61

- 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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

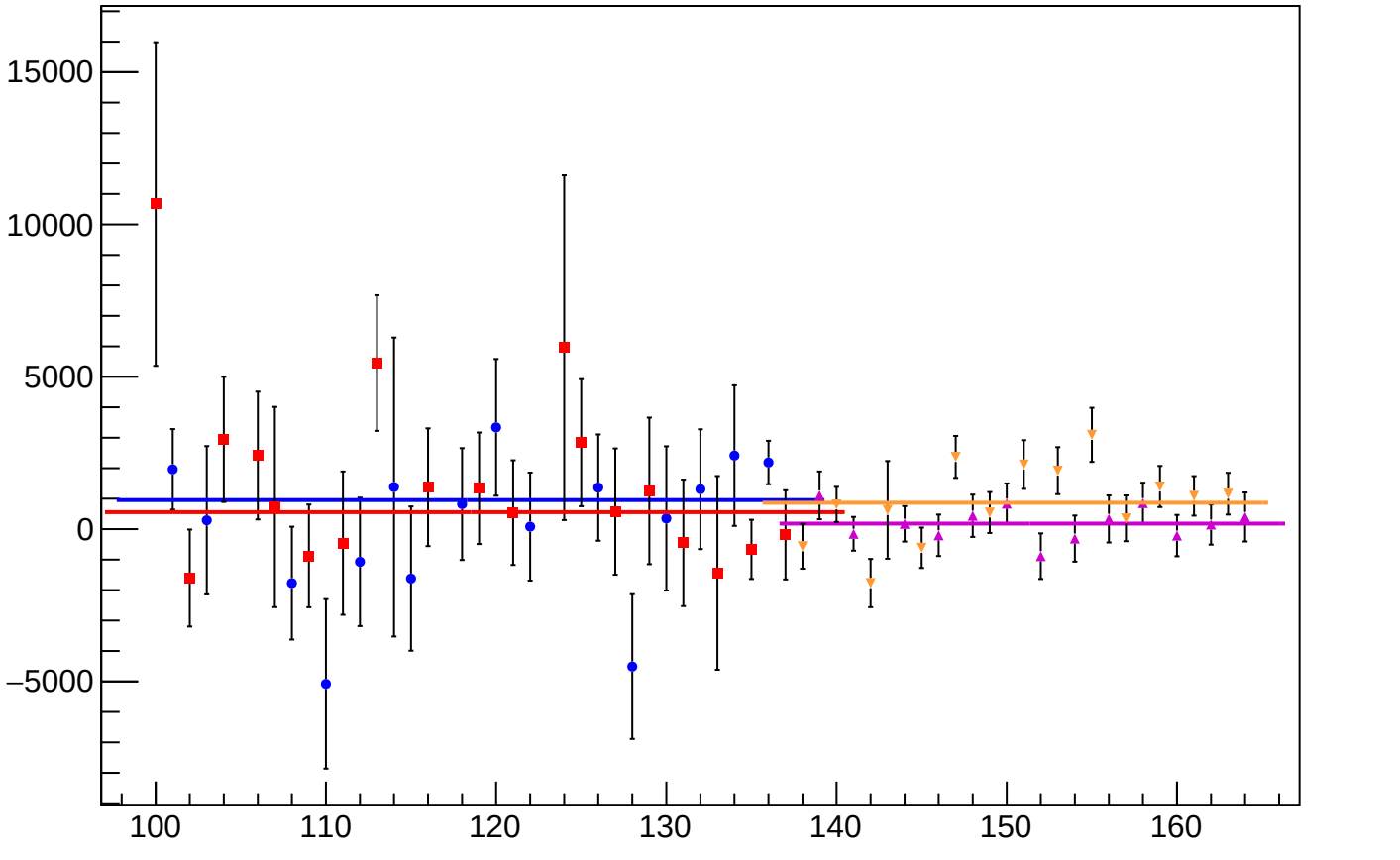
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61

- 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: 867.188+/-194.534 χ^2/NDF:36.9/13

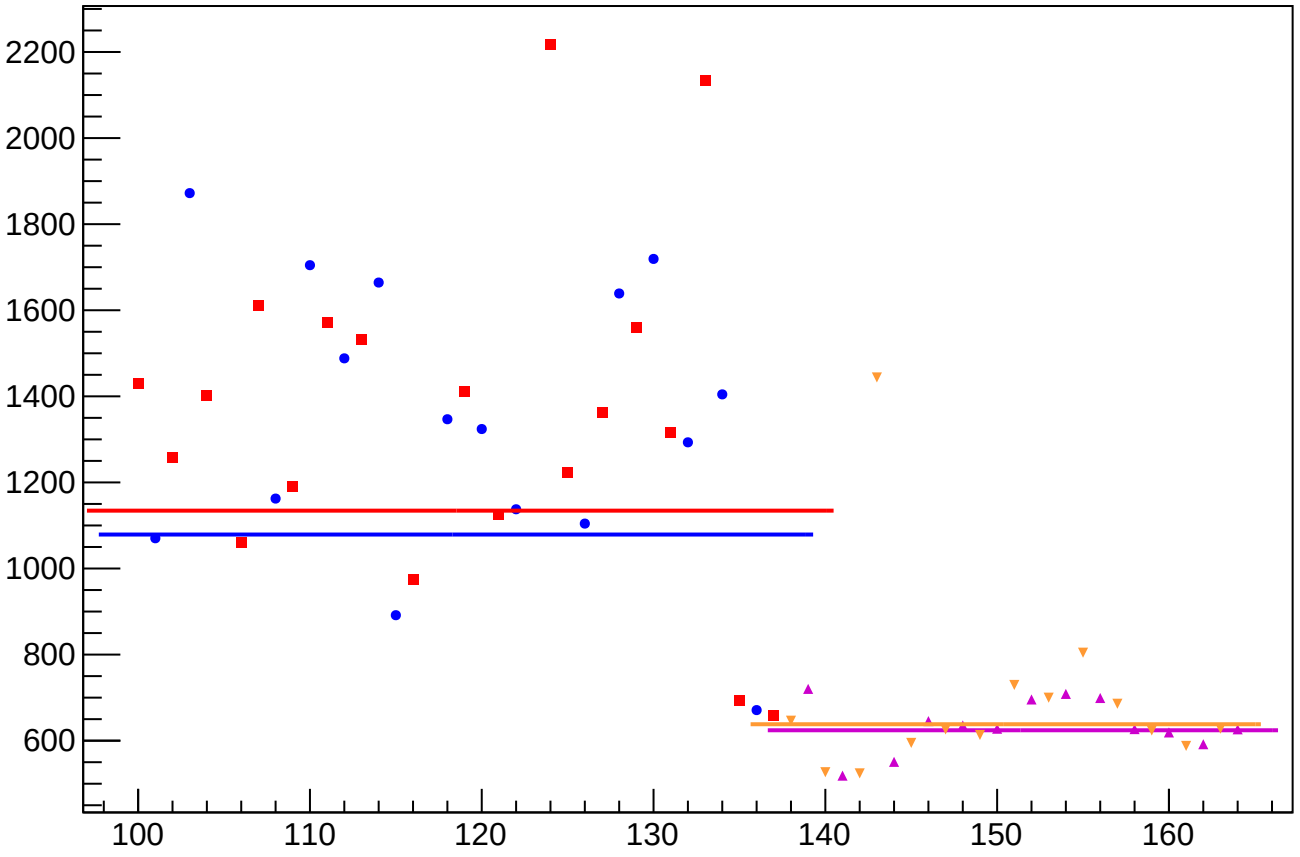
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 556.485+/-124.167 χ^2/NDF: 89.6/61

- 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: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

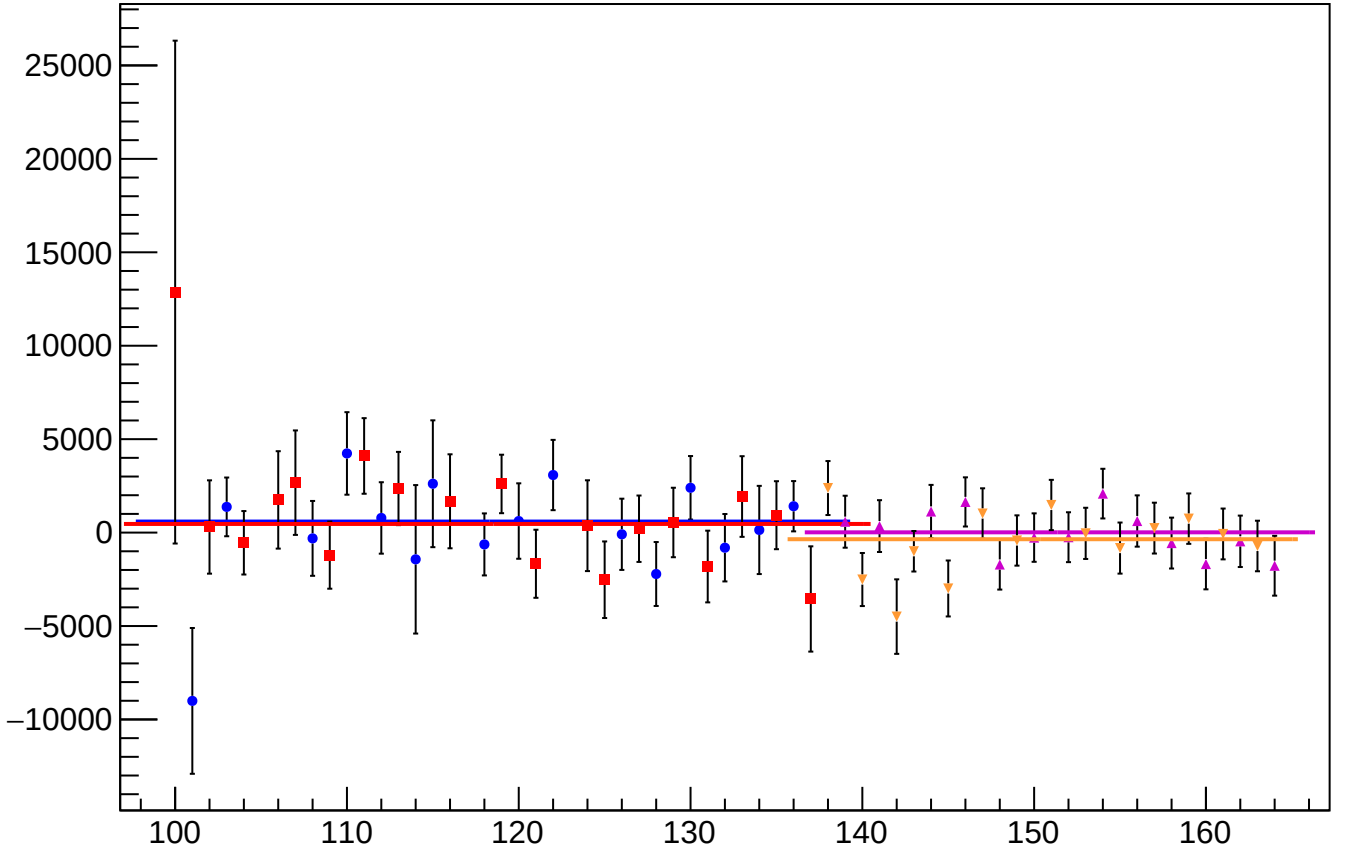
Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61

- 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: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

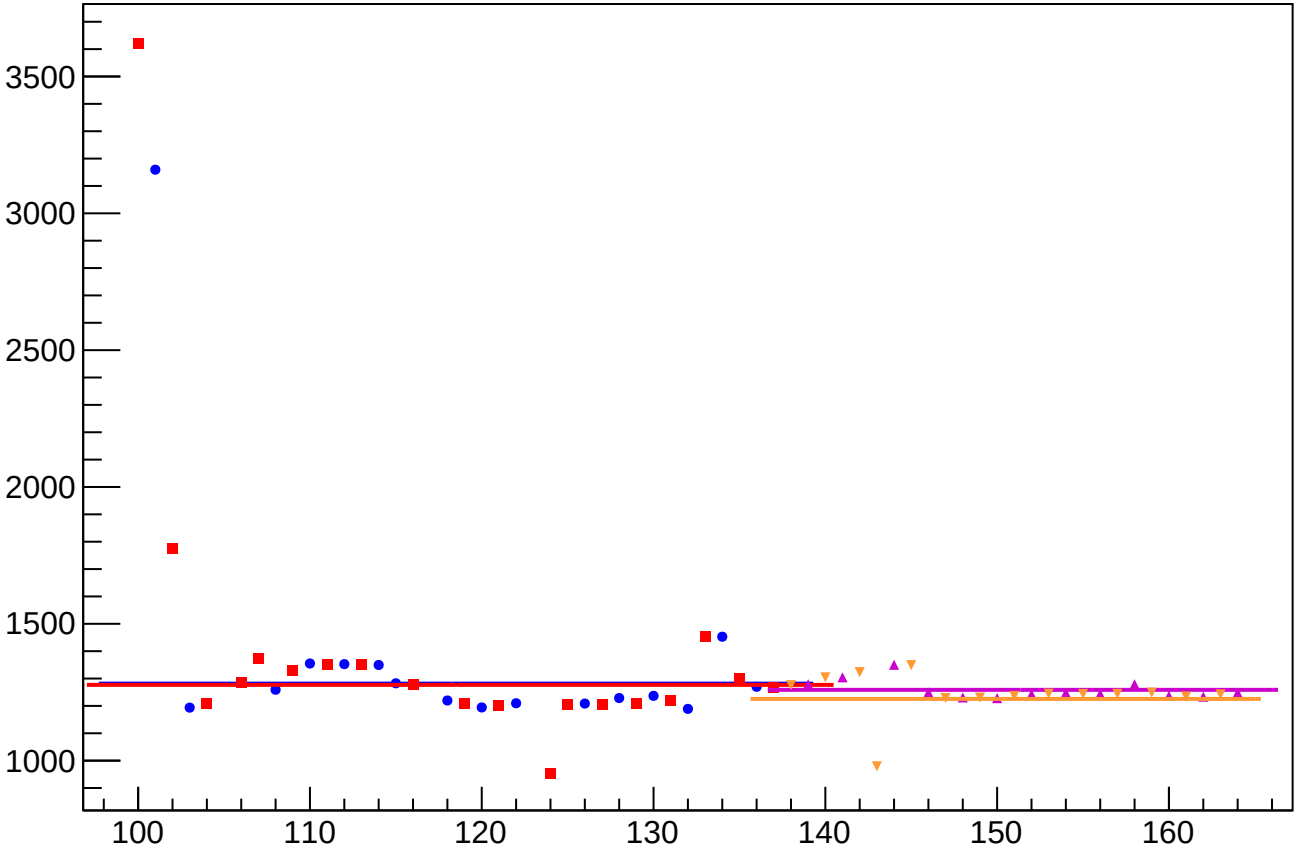
Left In: 13.991+/-380.144 χ^2/NDF:9.8/12

+ sign -10.863+/-292.782 χ^2/NDF: 37.2/29

All: 87.233+/-208.585 χ^2/NDF: 64.5/61

- 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: 1225.528+/-0.260 χ^2/NDF:132461.8/13

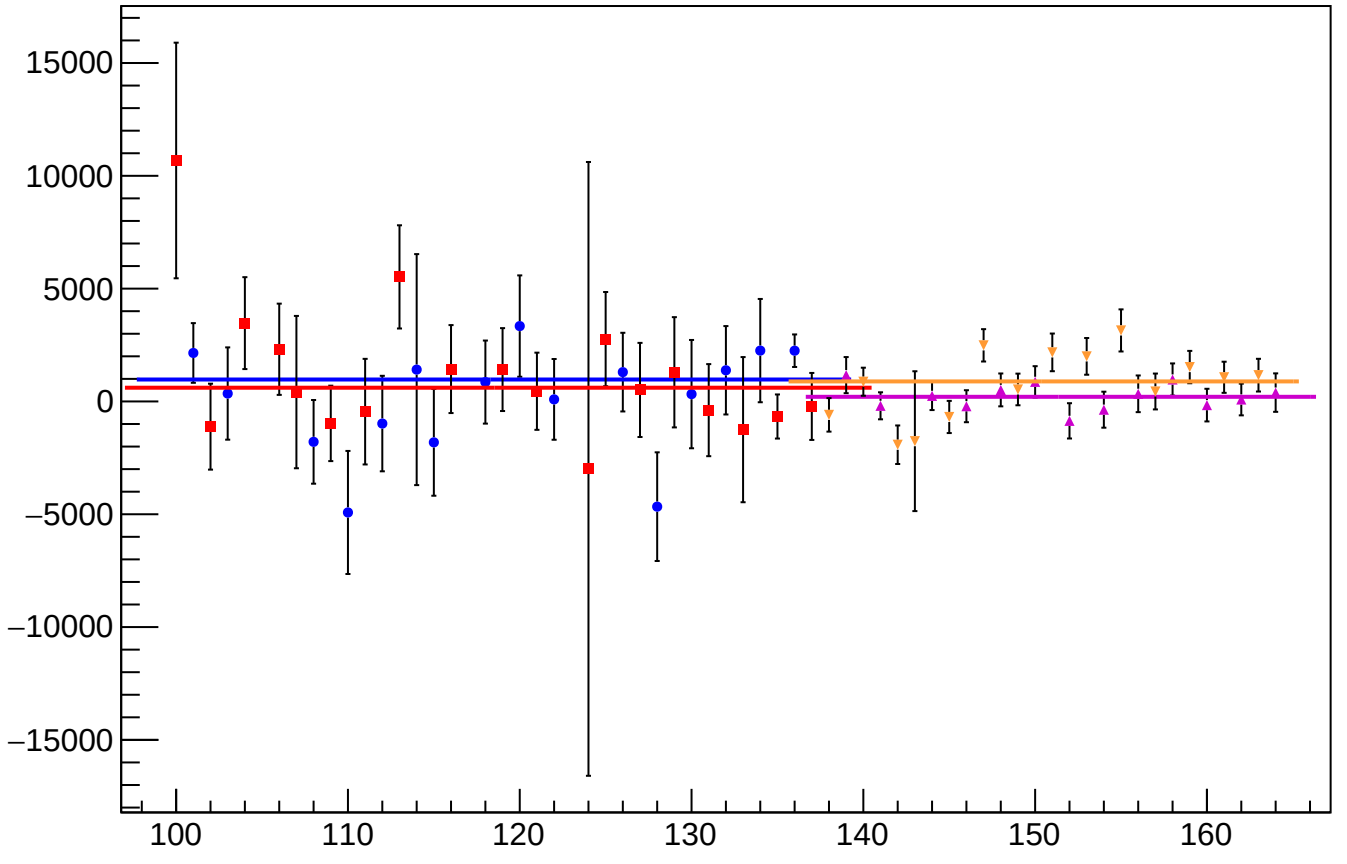
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

\+ sign 1245.837+/-0.207 χ^2/NDF: 656376.5/29

All: 1255.647+/-0.147 χ^2/NDF: 898520.1/61

\- 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: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

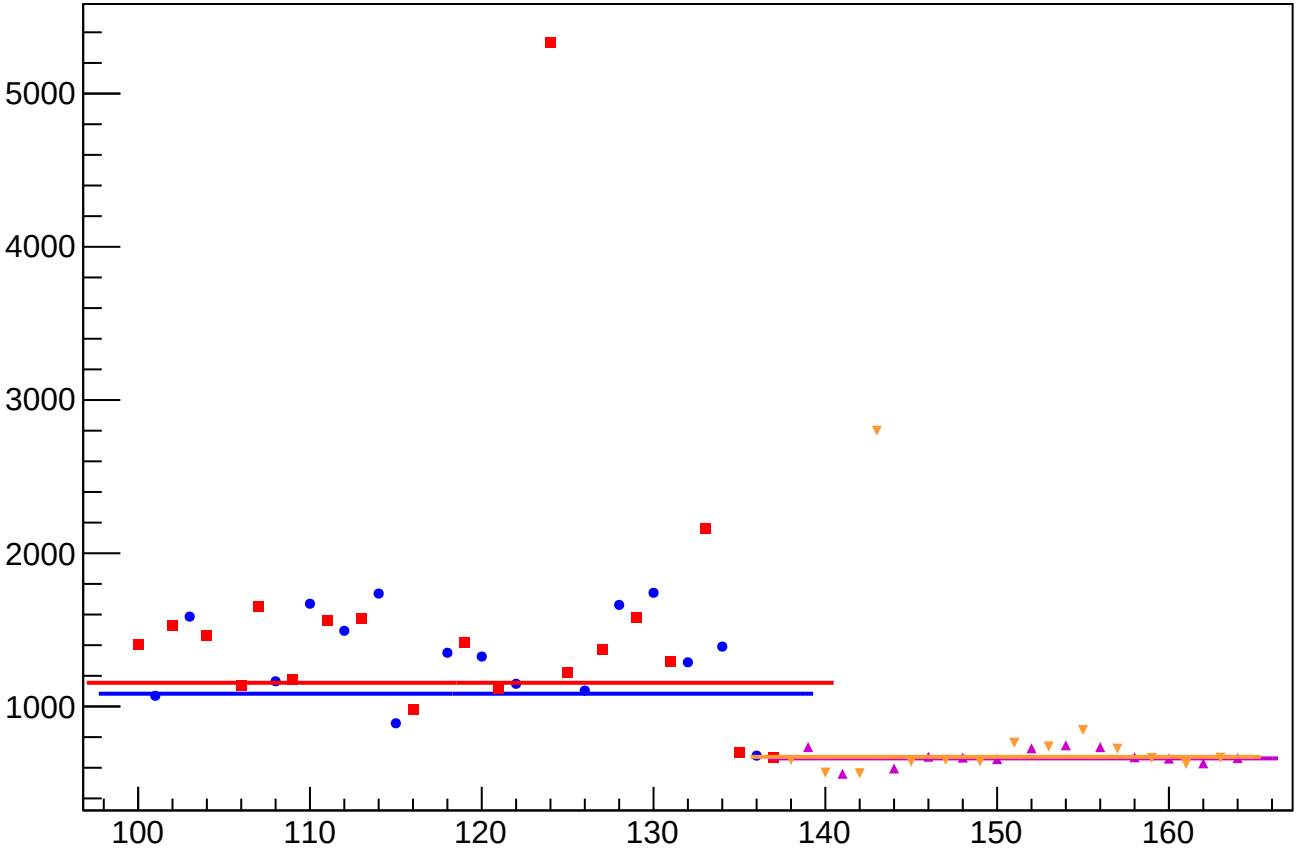
Left In: 205.452+/-200.714 χ^2/NDF:7.2/12

+ sign 903.652+/-185.757 χ^2/NDF: 57.5/29

All: 583.814+/-130.420 χ^2/NDF: 88.4/61

- sign 272.885+/-183.152 χ^2/NDF: 25.0/31

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.408+/-0.146 χ^2/NDF:1166584.2/13

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

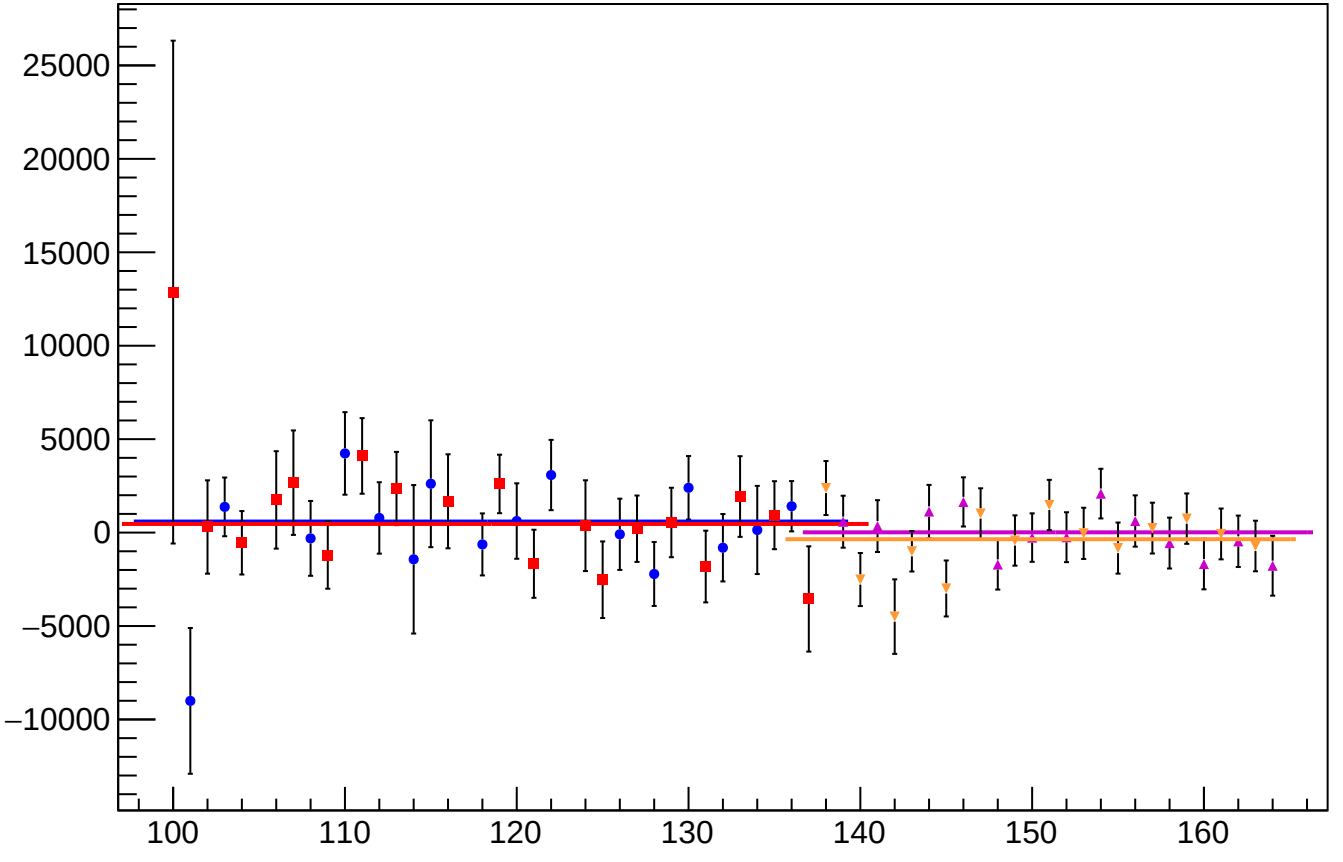
Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

+ sign 750.020+/-0.131 χ^2/NDF: 4045463.3/29

All: 746.835+/-0.092 χ^2/NDF: 7712249.7/61

- sign 743.738+/-0.130 χ^2/NDF: 3665626.8/31

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

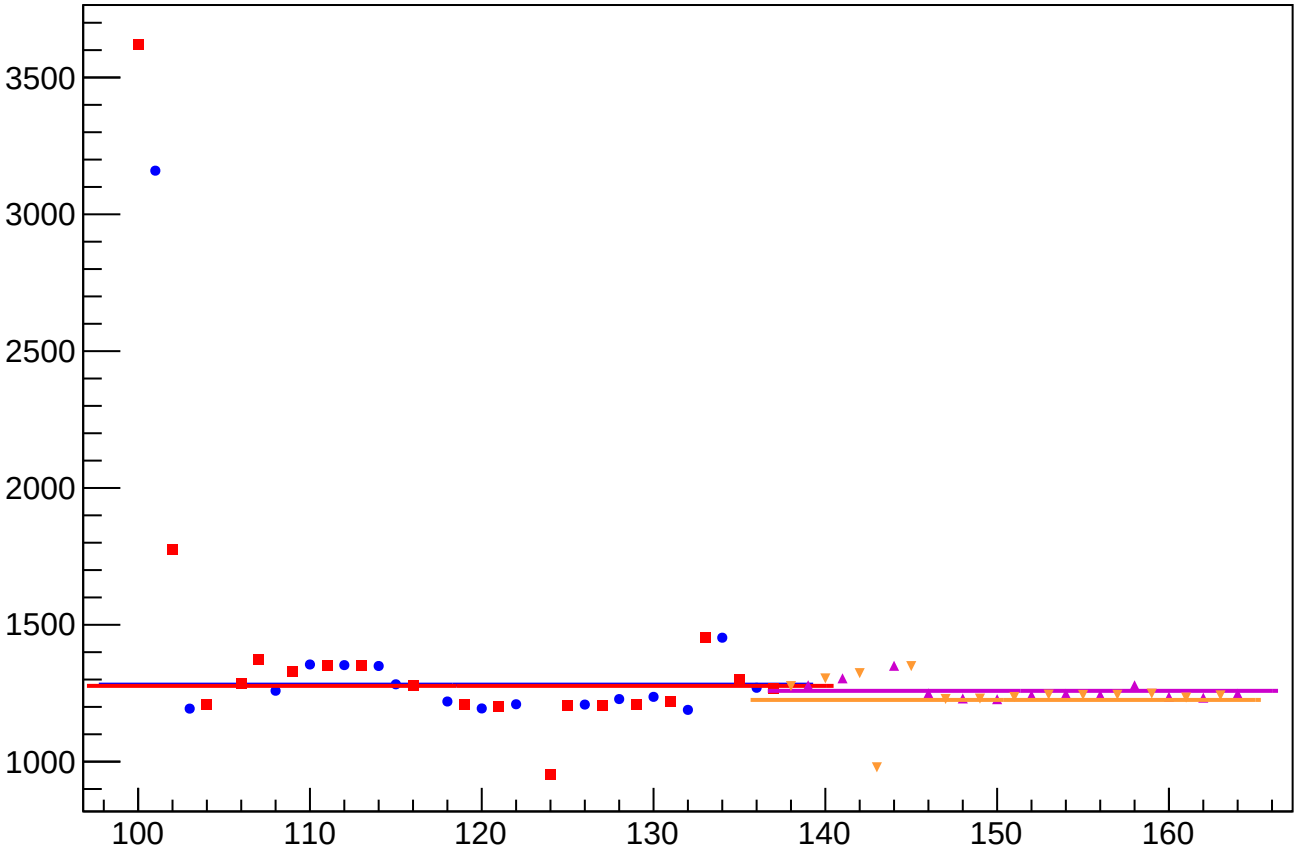
Left In: 13.990+/-380.144 χ^2/NDF:9.8/12

\+ sign -10.864+/-292.782 χ^2/NDF: 37.2/29

All: 87.233+/-208.585 χ^2/NDF: 64.5/61

\- sign 188.335+/-297.235 χ^2/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: 1225.528+/-0.260 χ^2/NDF:132461.0/13

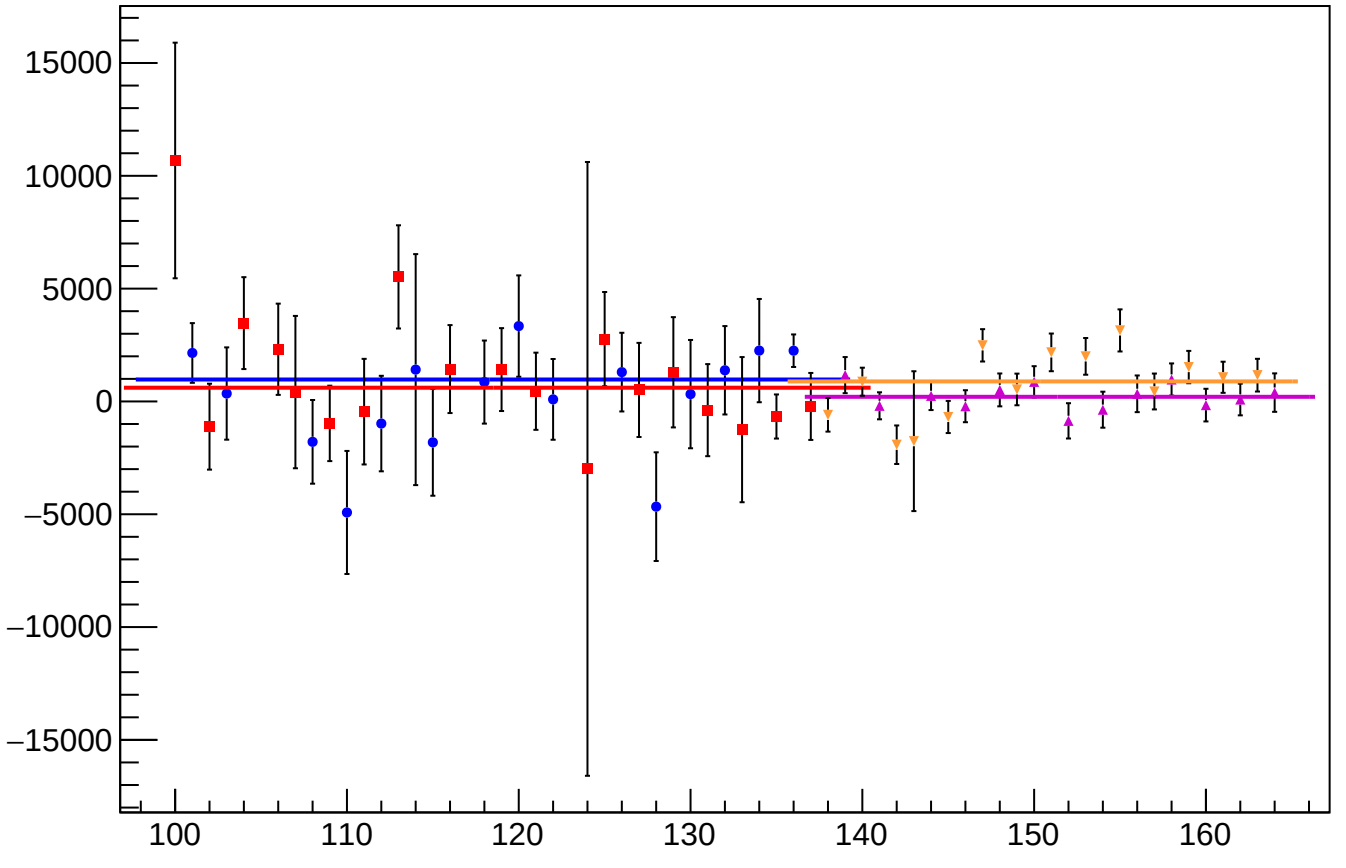
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

+ sign 1245.837+/-0.207 χ^2/NDF: 656375.8/29

All: 1255.647+/-0.147 χ^2/NDF: 898519.3/61

- 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: 887.466+/-206.504 χ^2/NDF:37.1/13

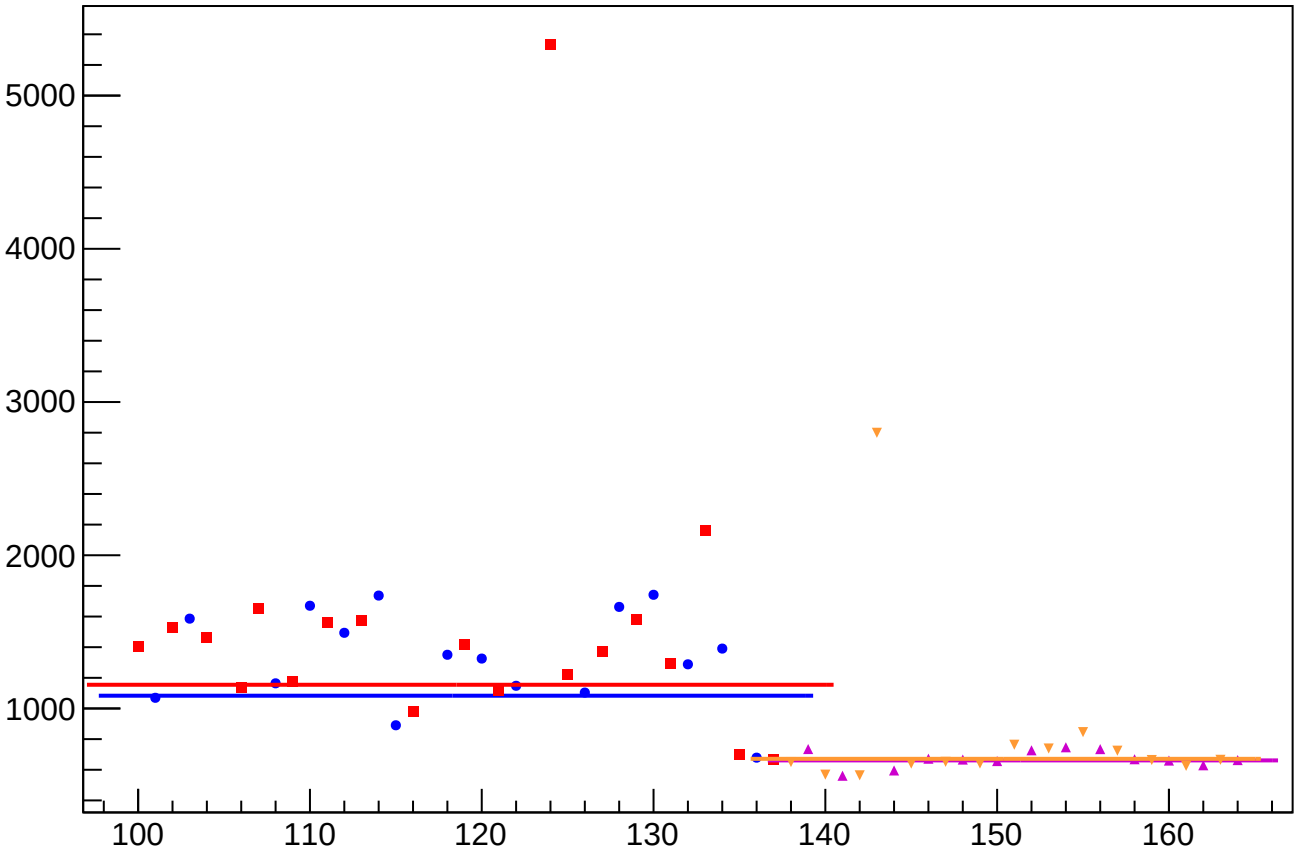
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 205.451+/-200.714 χ^2/NDF:7.2/12

\+ sign 903.652+/-185.758 χ^2/NDF: 57.5/29

All: 583.814+/-130.420 χ^2/NDF: 88.4/61

\- 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: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

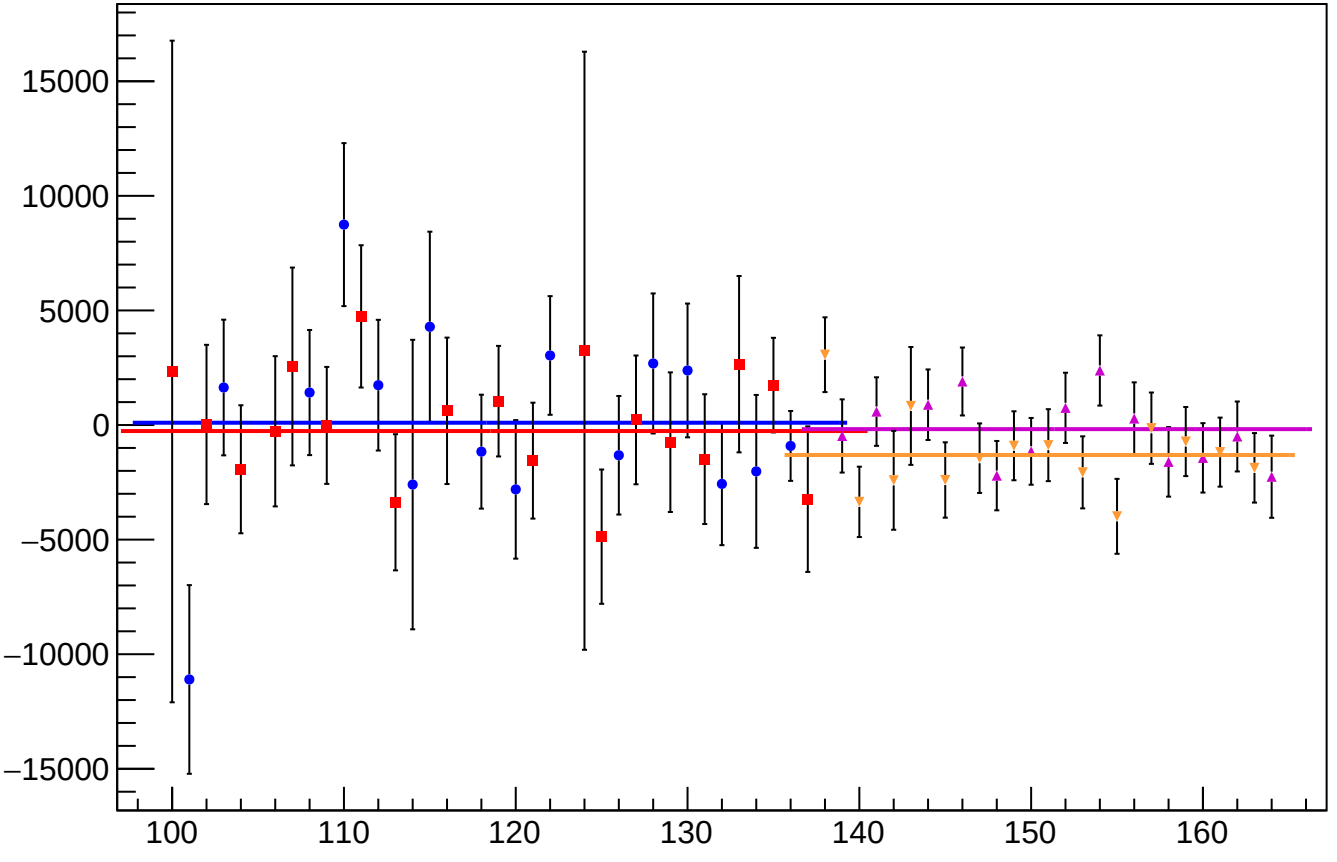
Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

+ sign 750.021+/-0.131 χ^2/NDF: 4045434.8/29

All: 746.835+/-0.092 χ^2/NDF: 7712222.2/61

- 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: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

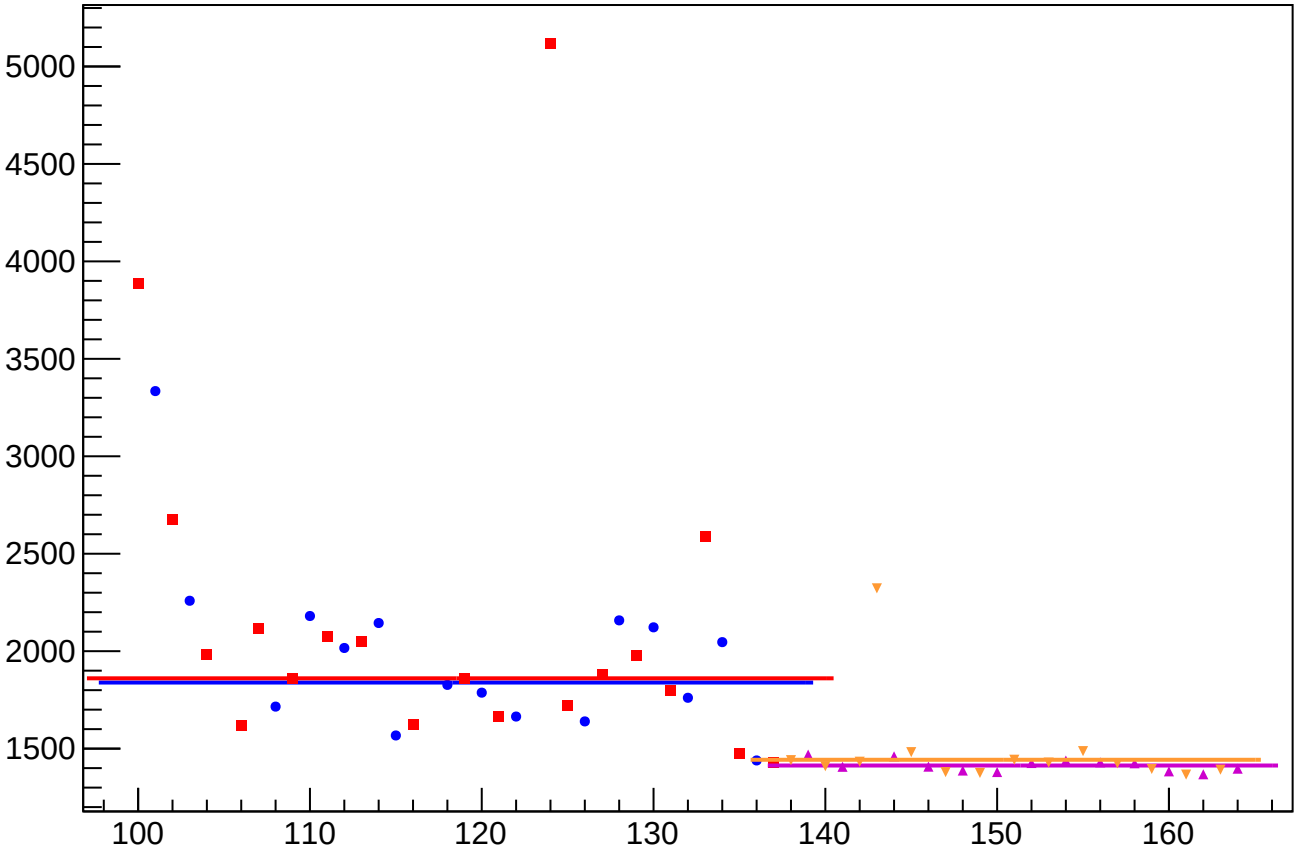
Left In: -179.186+/-426.841 χ^2/NDF:11.2/12

+ sign -917.351+/-368.304 χ^2/NDF: 38.5/29

All: -555.778+/-259.037 χ^2/NDF: 62.0/61

- 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: 1442.794+/-0.306 χ^2/NDF:254731.9/13

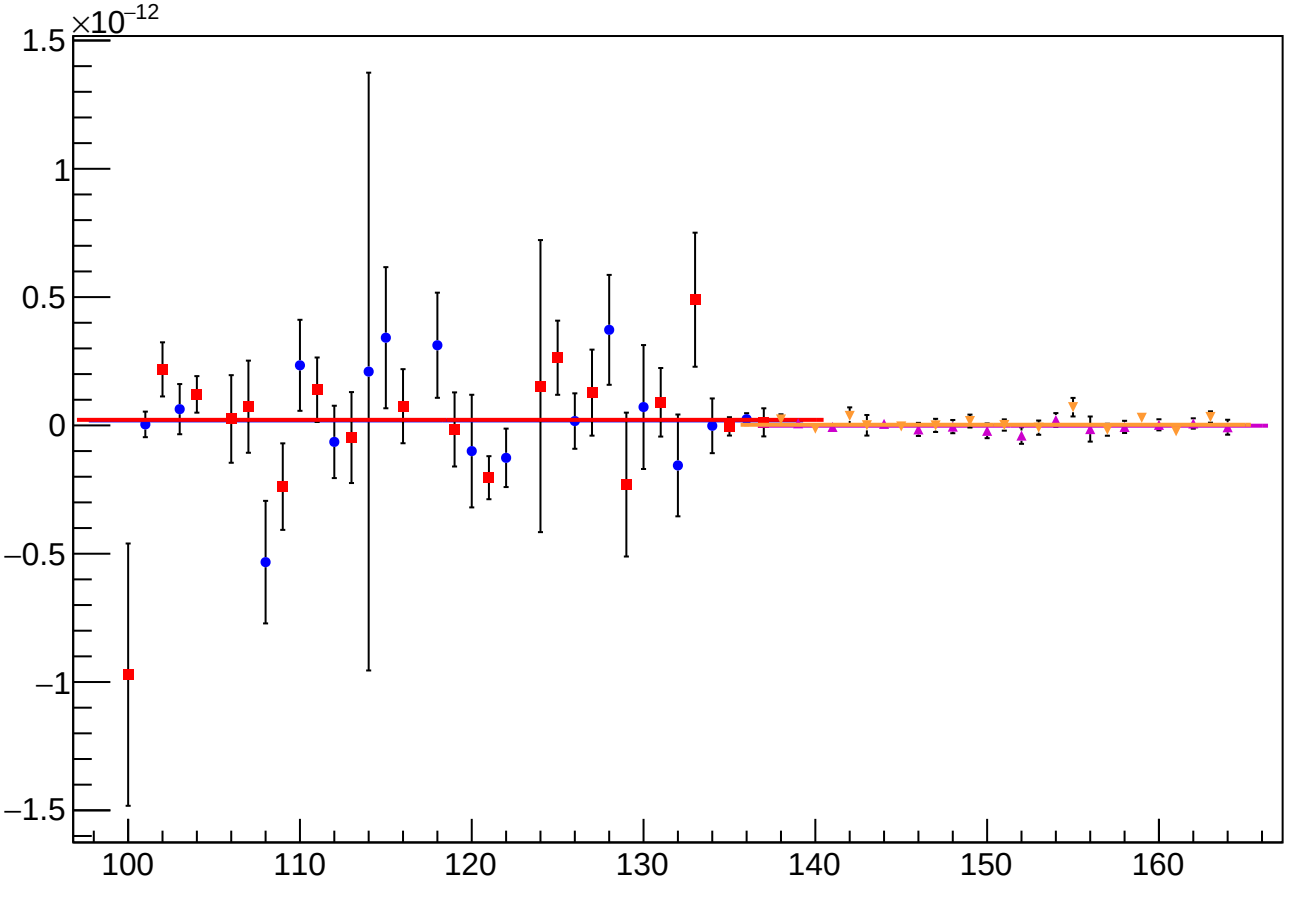
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

+ sign 1552.828+/-0.260 χ^2/NDF: 1275911.8/29

All: 1543.668+/-0.183 χ^2/NDF: 2406061.6/61

- 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:14.7/13

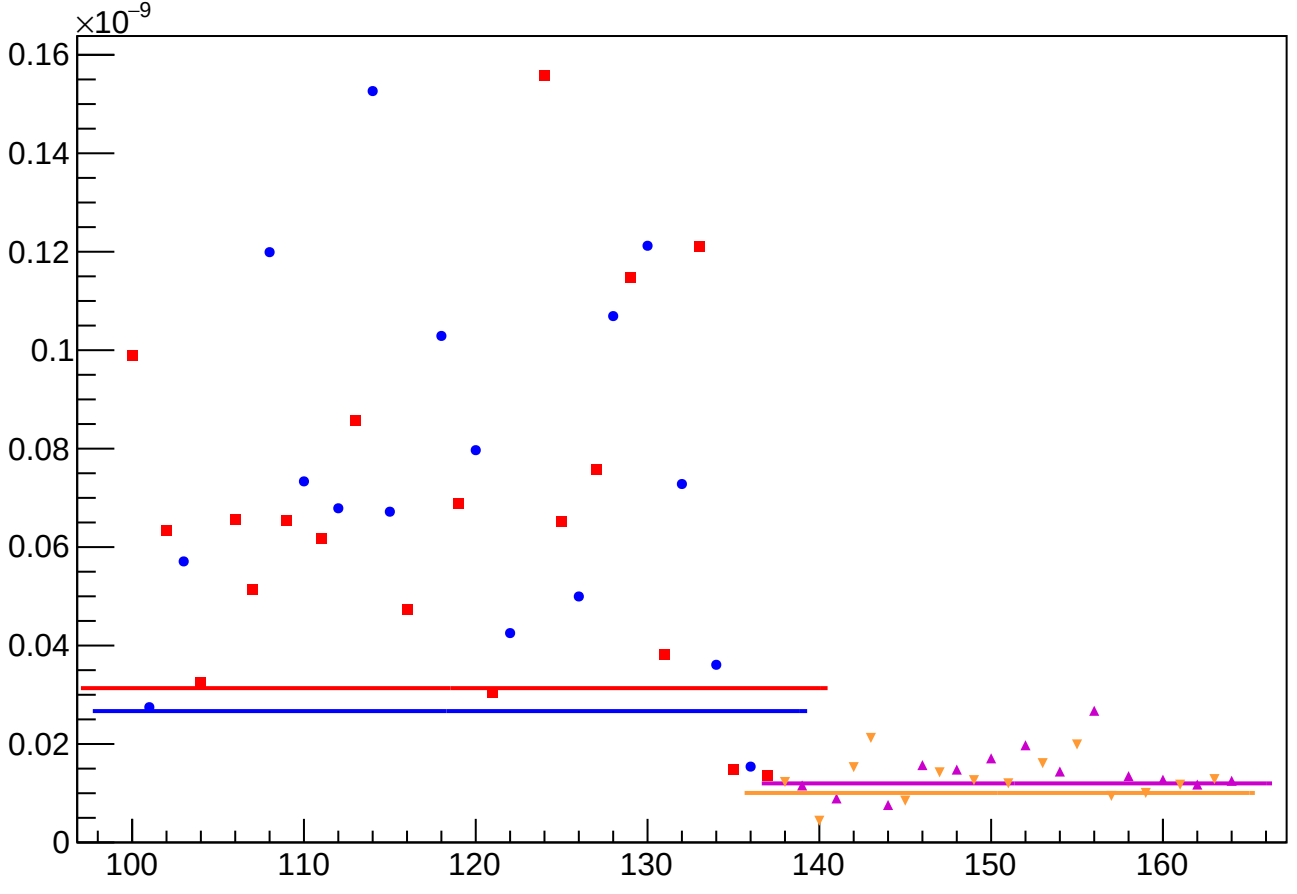
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 65.2/61

- 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:1192092.8/13

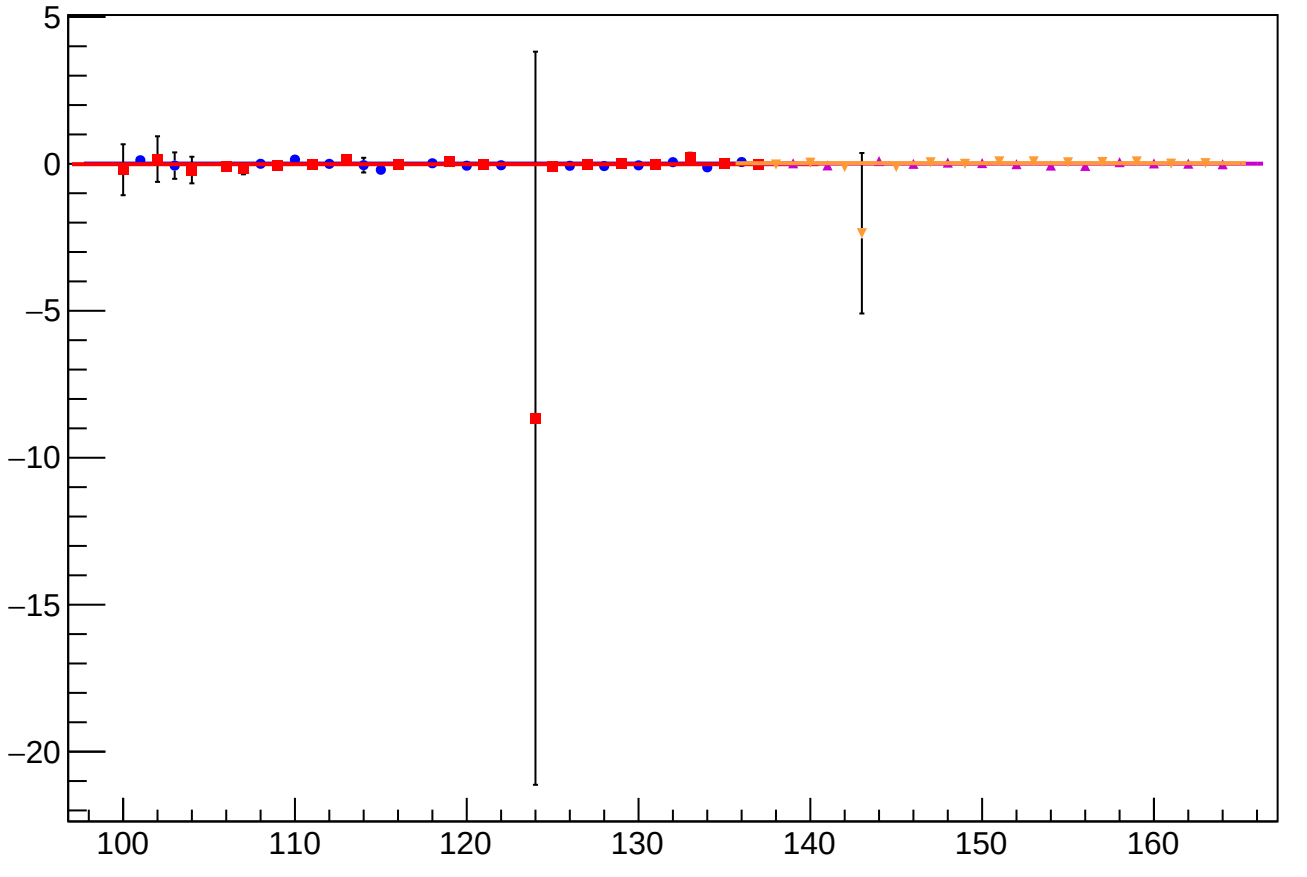
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 5215045.4/29

All: 0.000+/-0.000 χ^2/NDF: 9761557.1/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

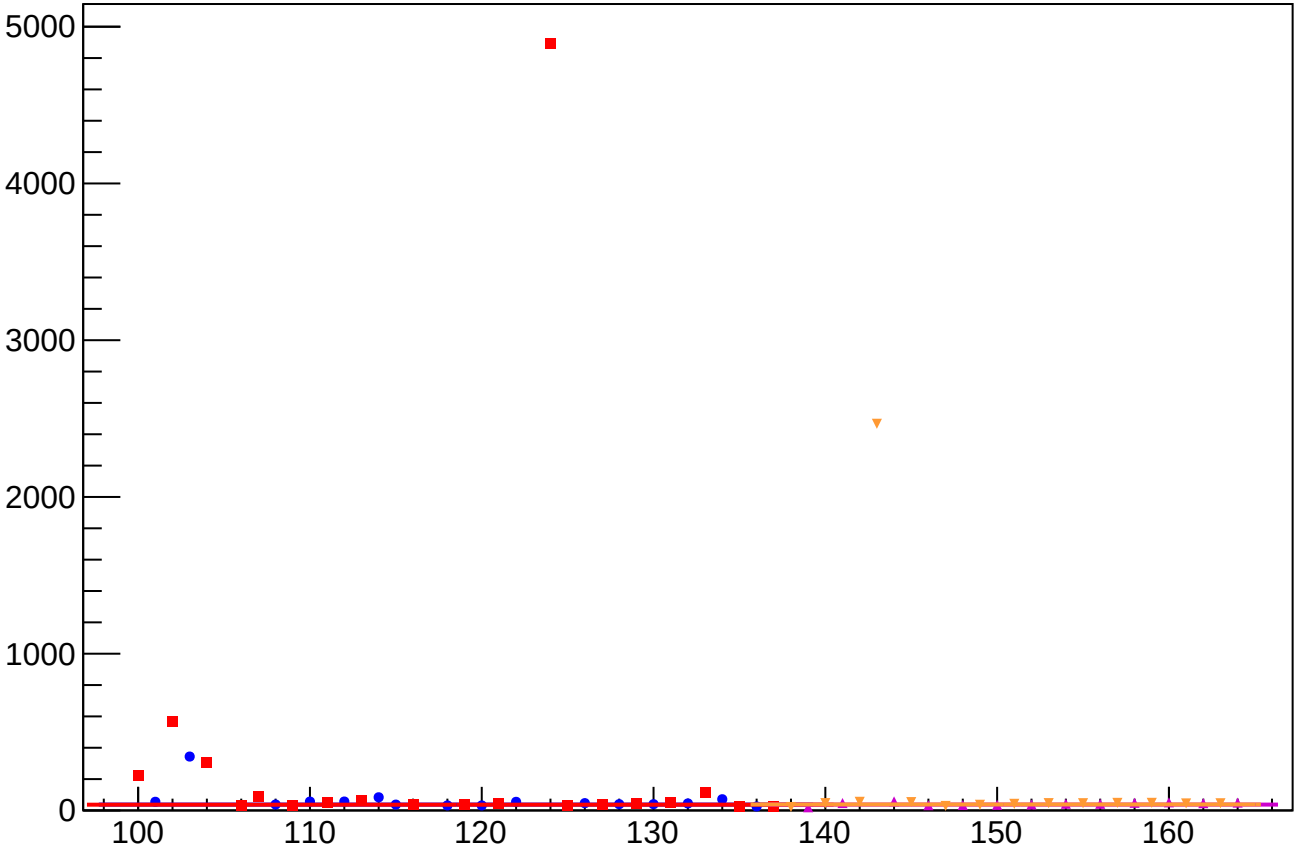
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

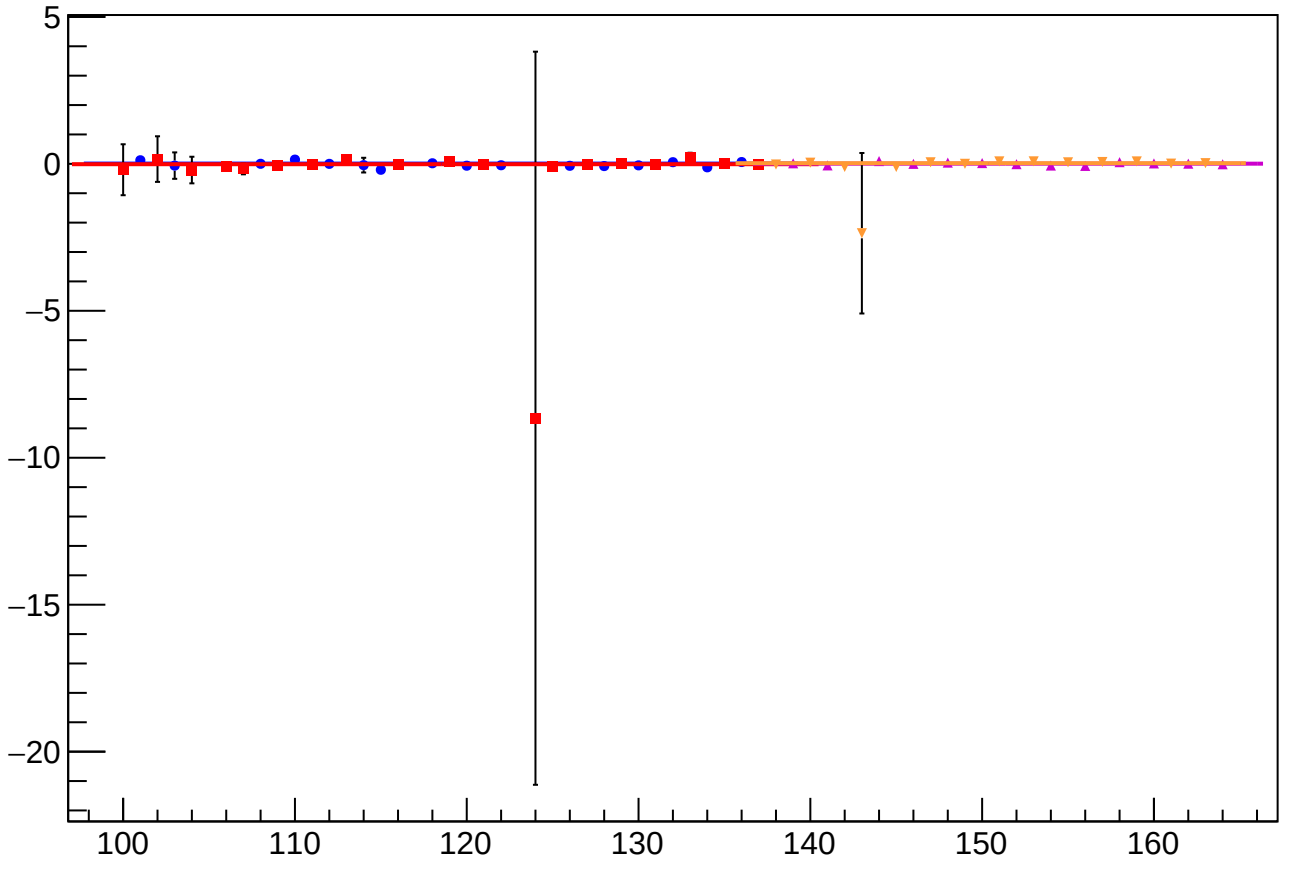
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

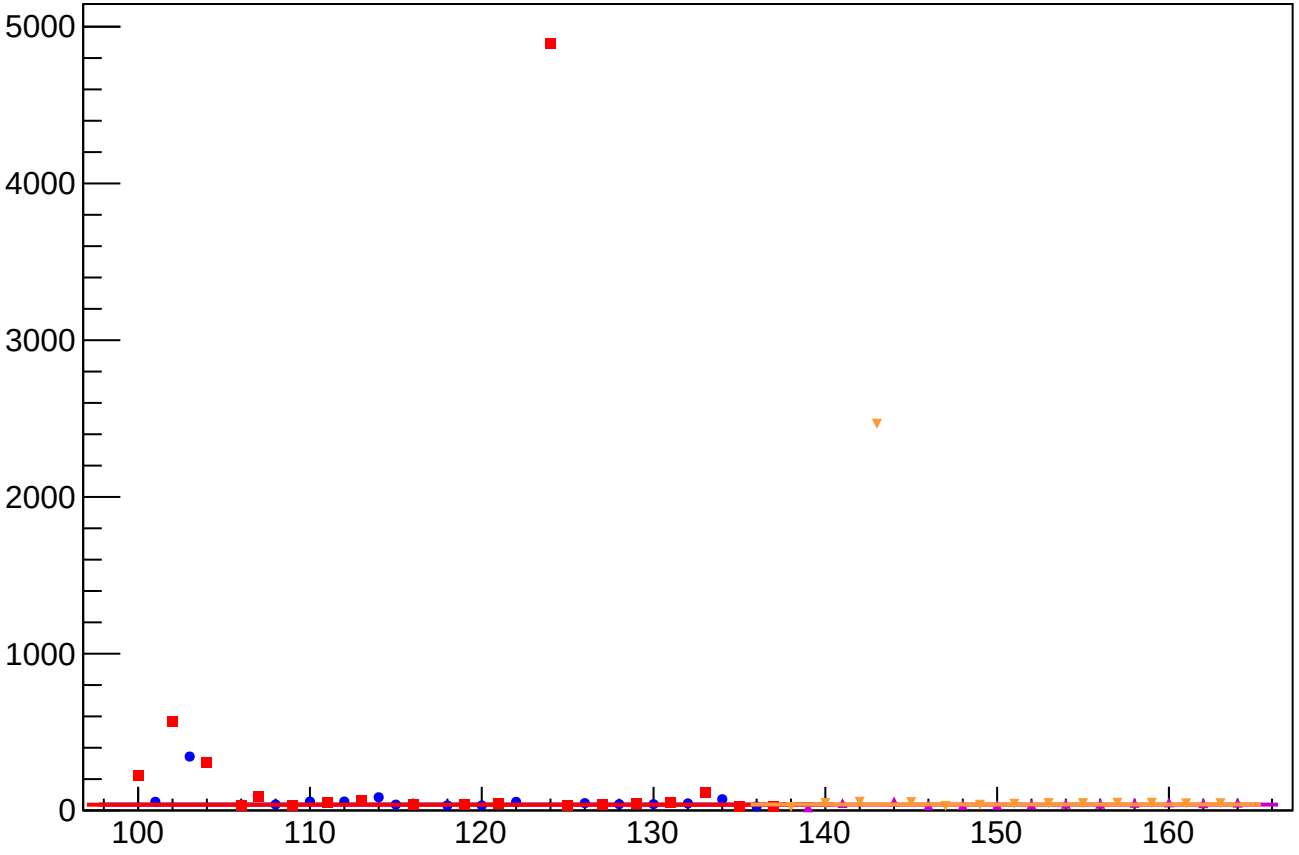
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

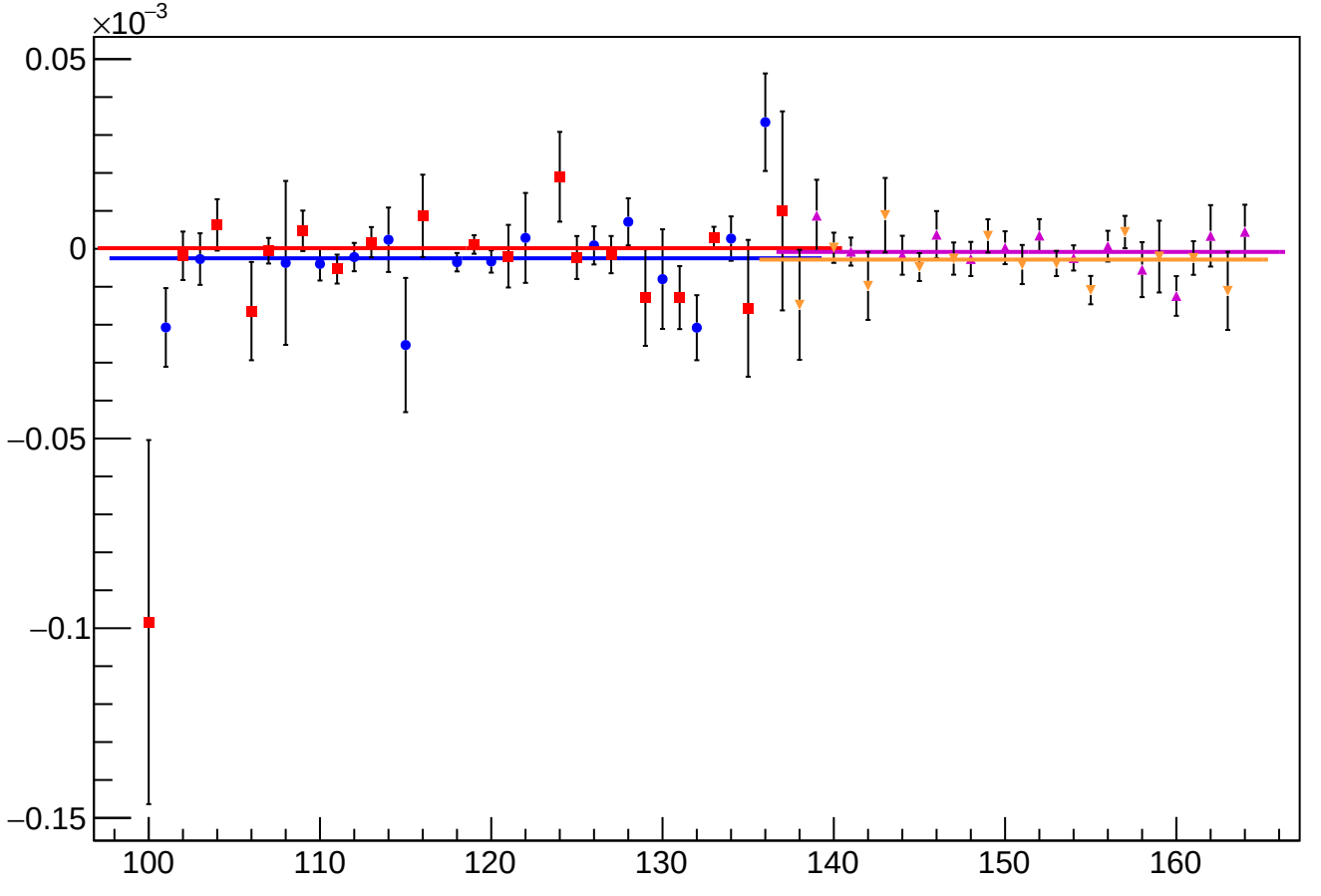
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

- 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:14.0/13

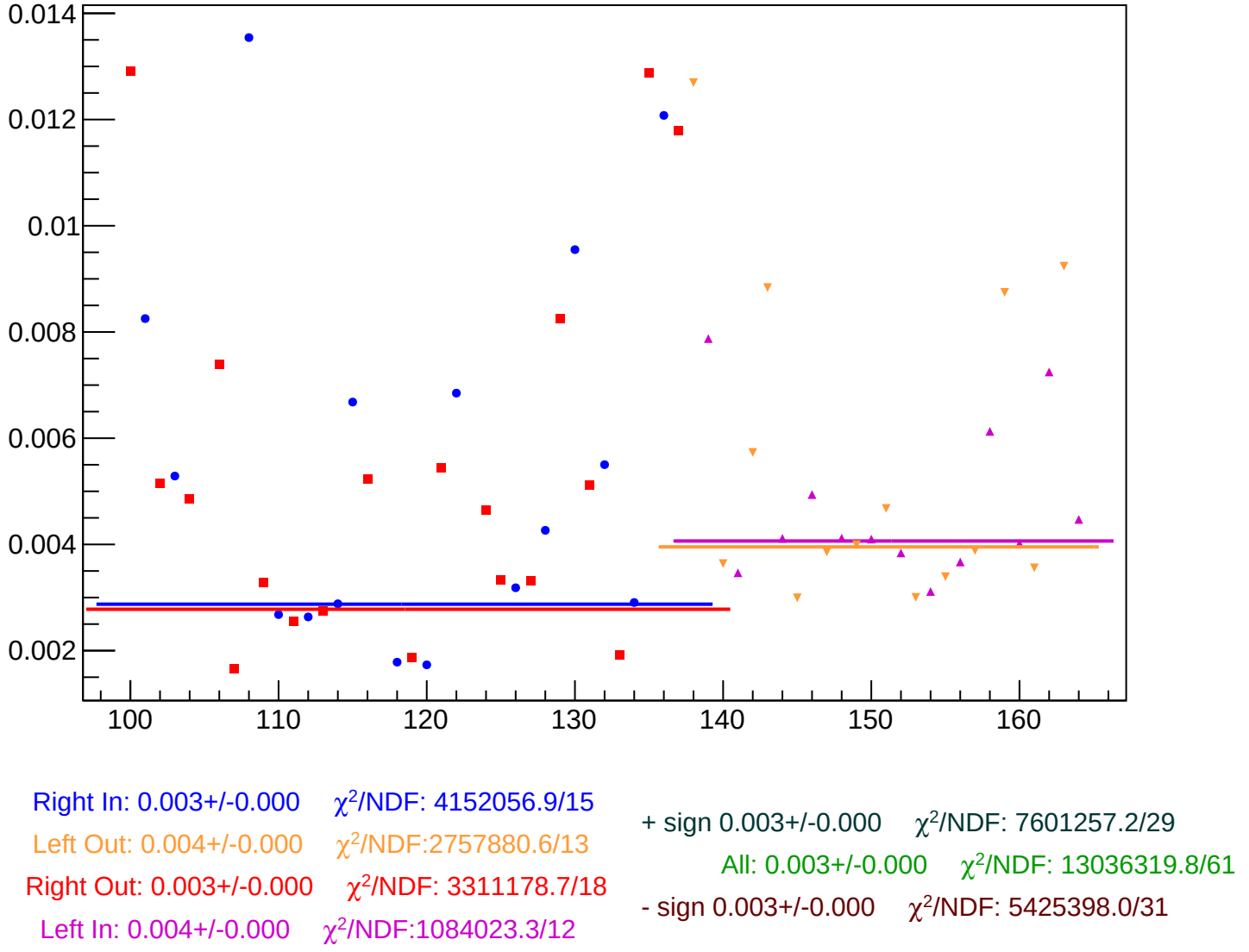
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

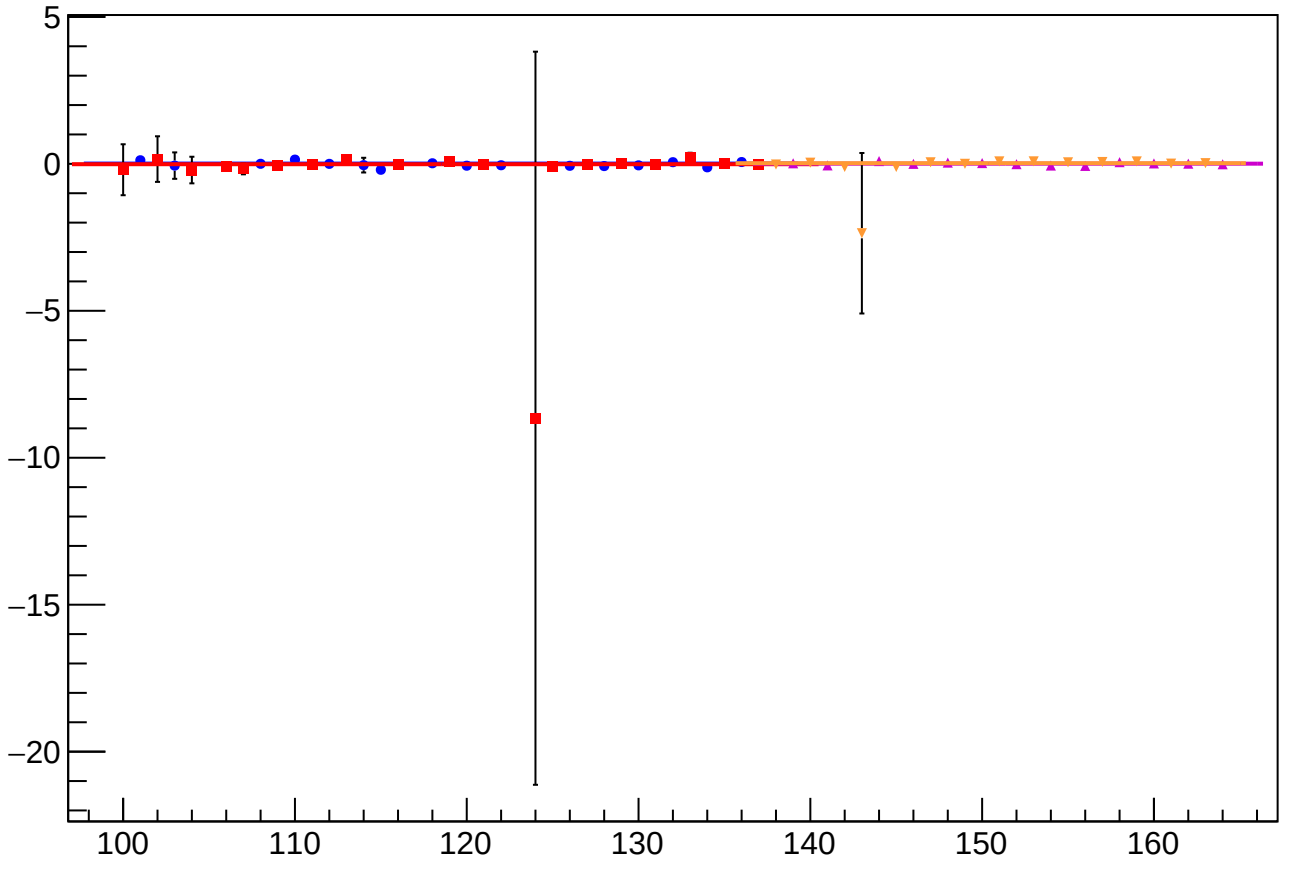
Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 68.0/61

- sign -0.000+/-0.000 χ^2/NDF: 28.5/31


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:2757880.6/13
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:1084023.3/12
+ sign 0.003+/-0.000 χ²/NDF: 7601257.2/29
All: 0.003+/-0.000 χ²/NDF: 13036319.8/61
- sign 0.003+/-0.000 χ²/NDF: 5425398.0/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

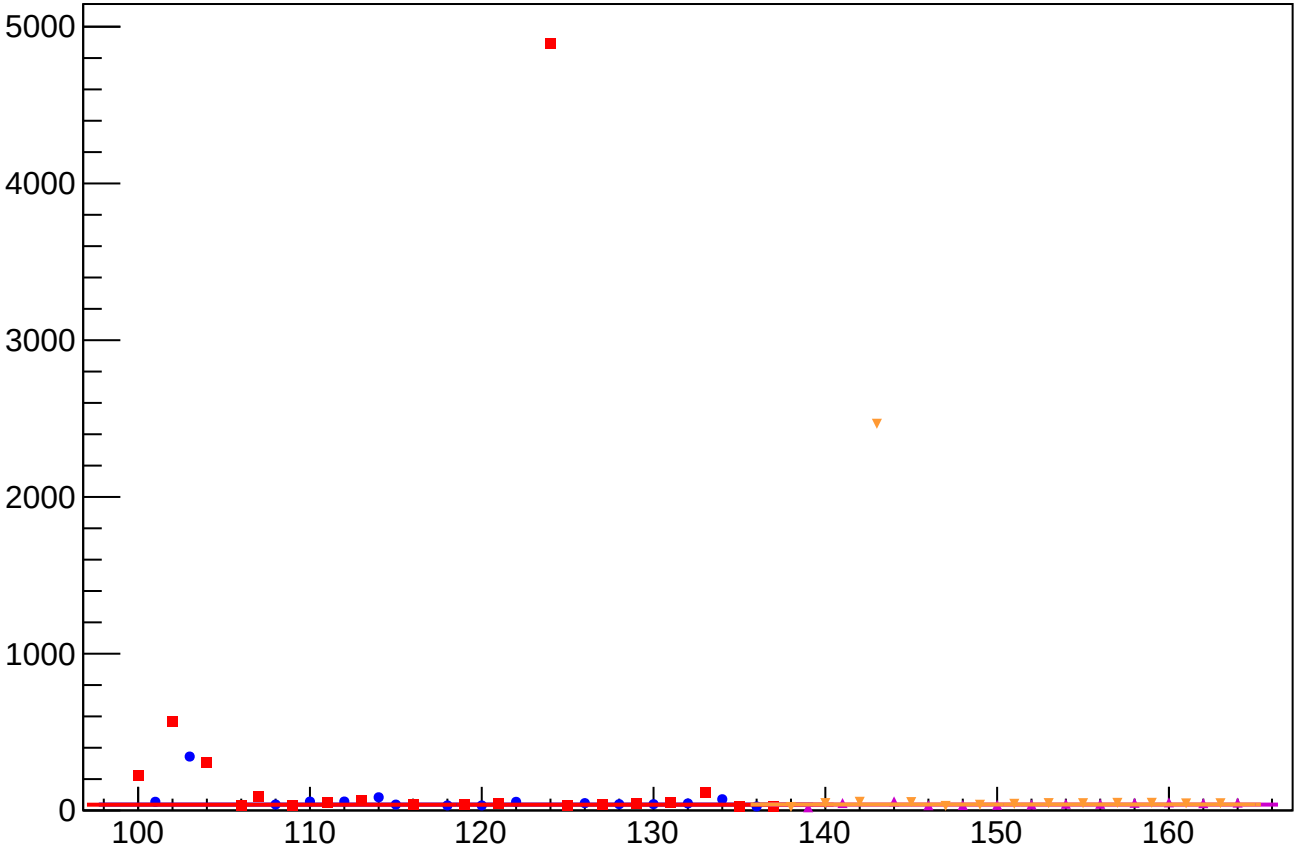
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

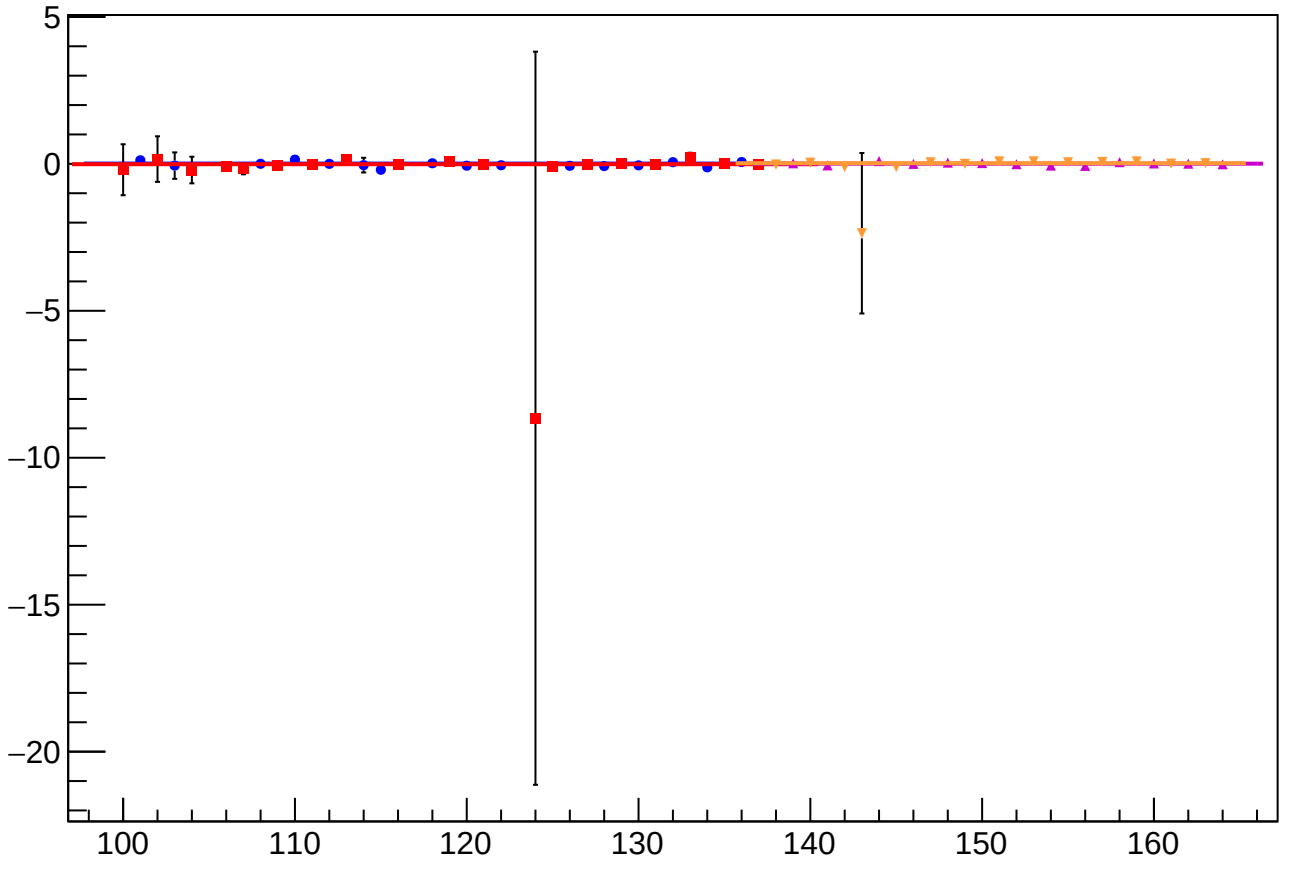
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

- 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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

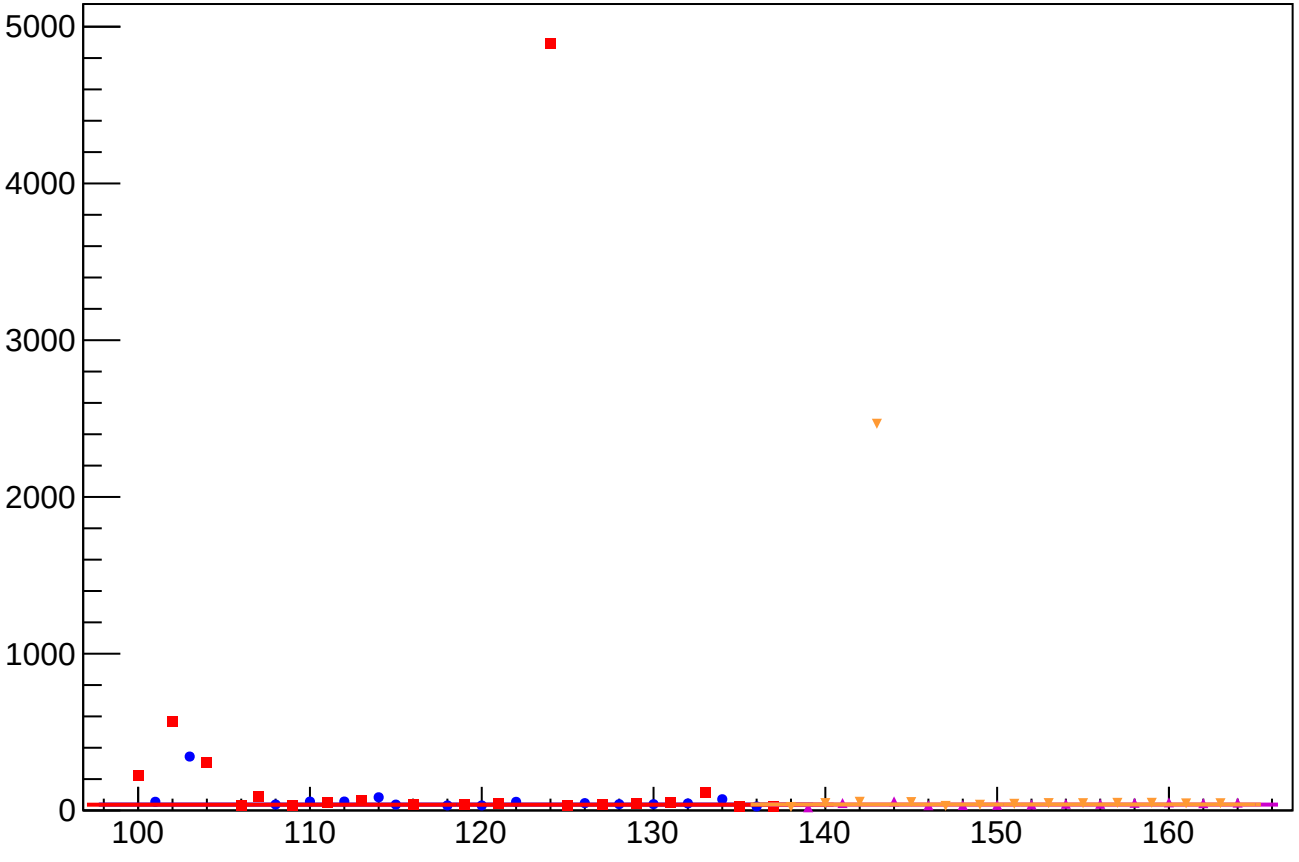
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.6/61

- 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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

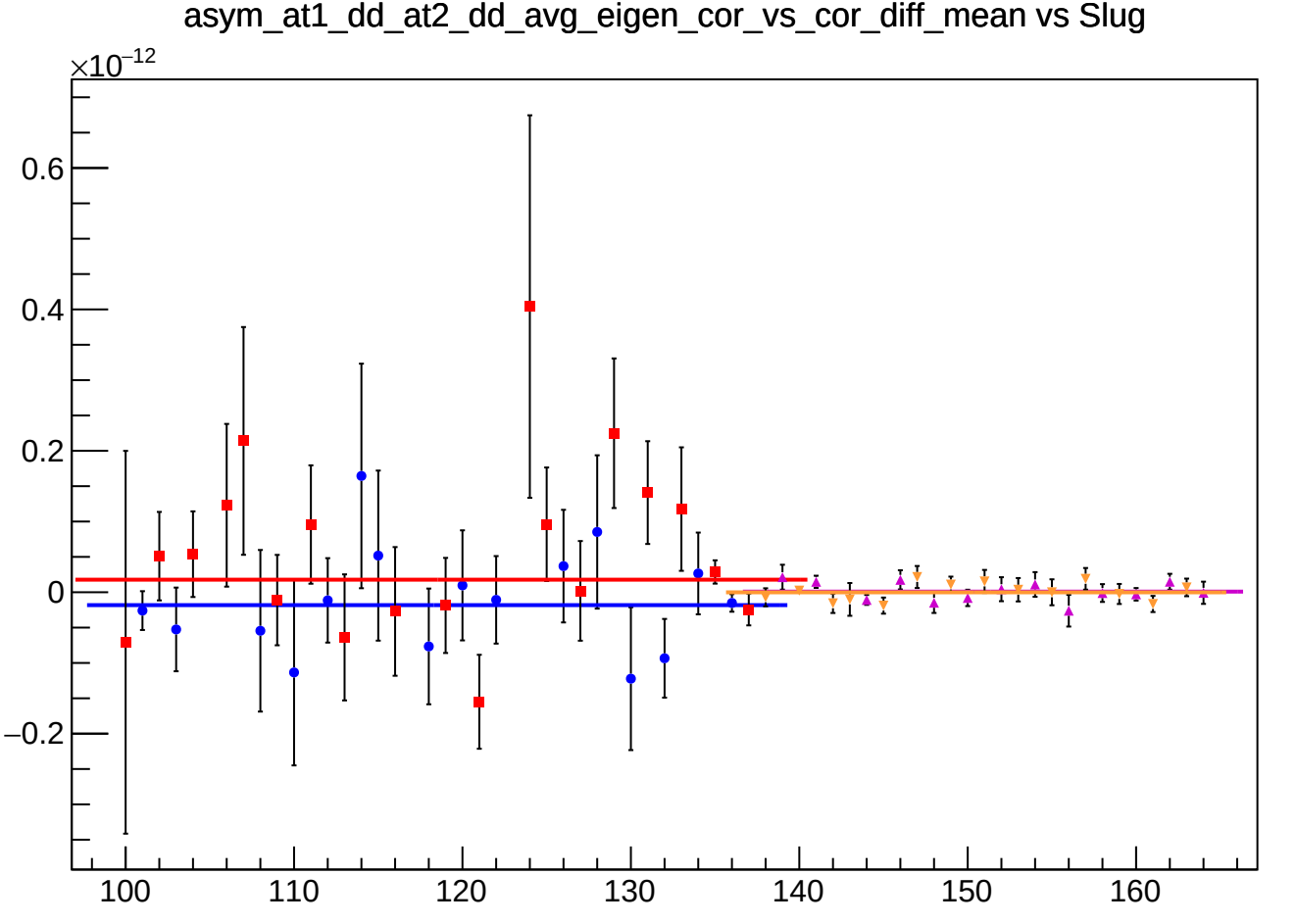
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

- 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:12.4/13

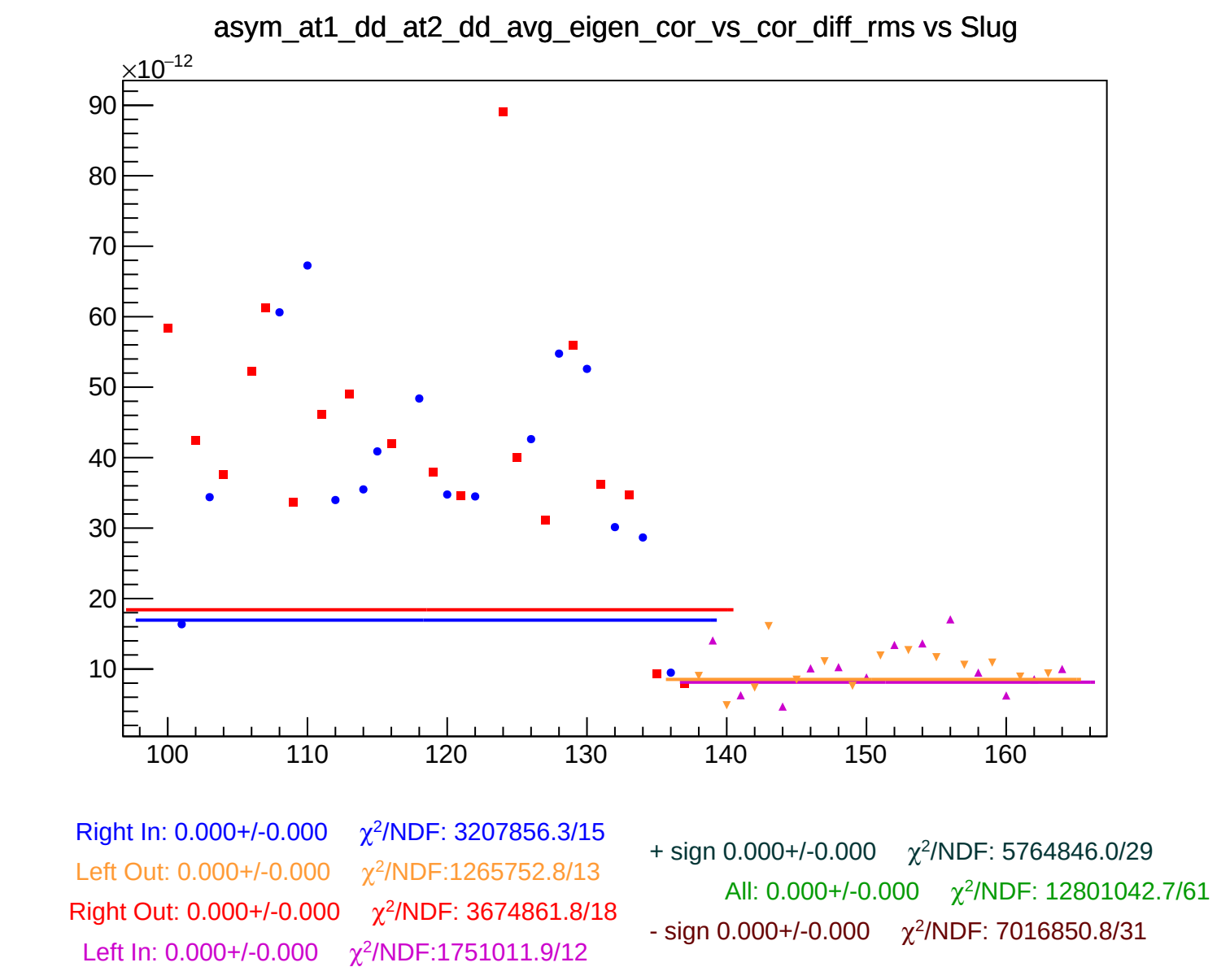
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/61

- sign 0.000+/-0.000 χ^2/NDF: 43.0/31


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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100
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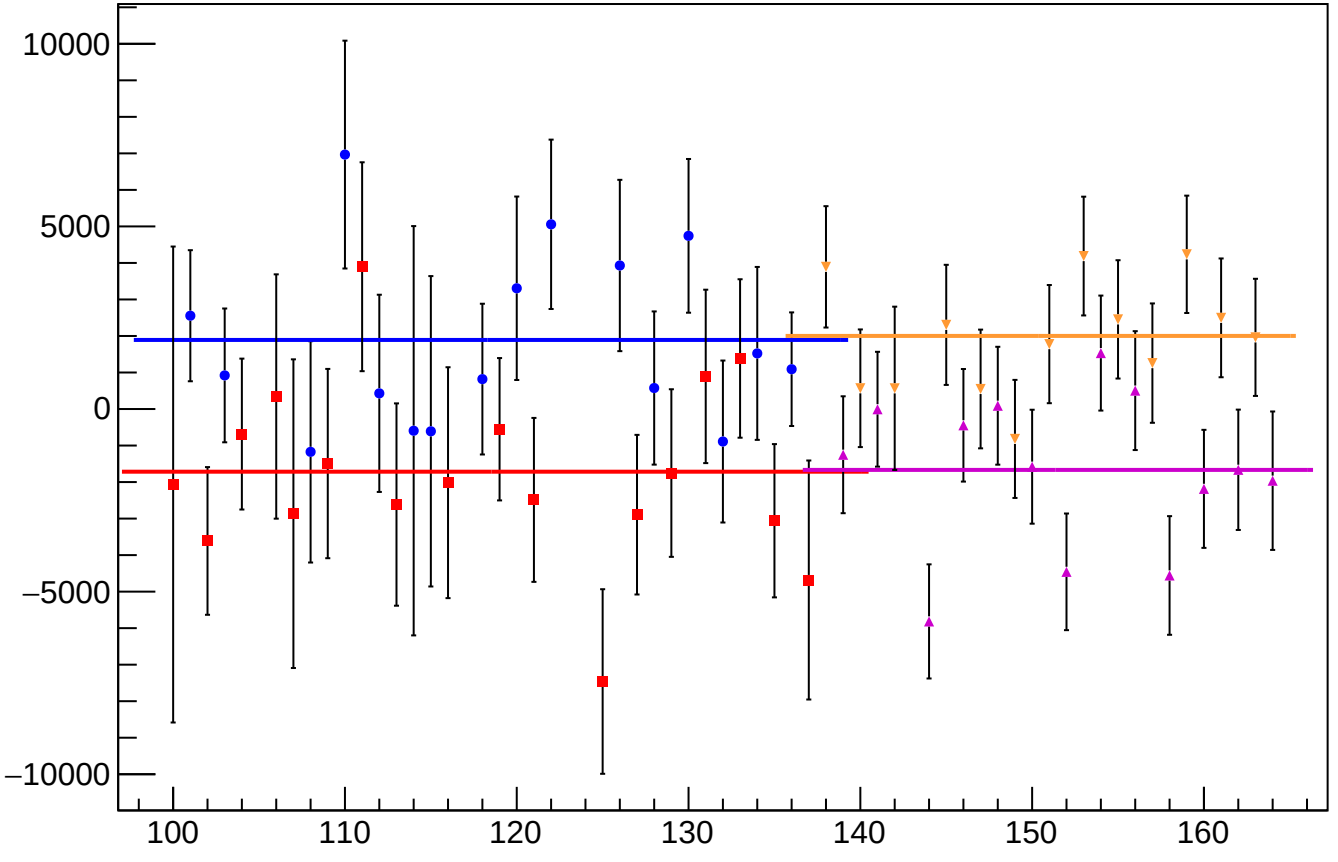
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1265752.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1751011.9/12
+ sign 0.000+/-0.000 χ²/NDF: 5764846.0/29
All: 0.000+/-0.000 χ²/NDF: 12801042.7/61
- sign 0.000+/-0.000 χ²/NDF: 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: 2001.775+/-458.886 χ^2/NDF:10.5/12

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

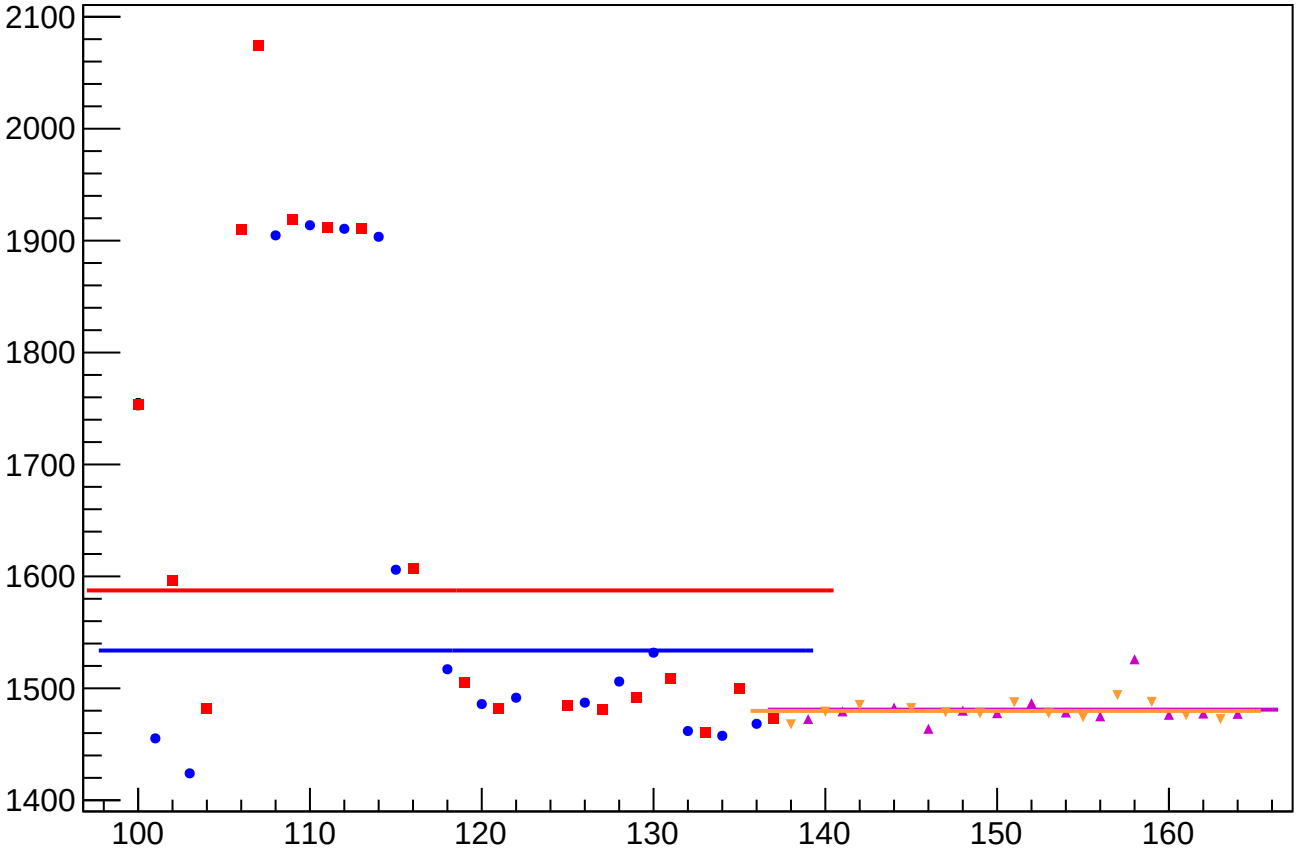
Left In: -1666.953+/-447.128 χ^2/NDF:22.3/12

+ sign 1958.599+/-357.996 χ^2/NDF: 22.8/28

All: 127.974+/-252.522 χ^2/NDF: 113.1/59

- 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: 1479.819+/-0.324 χ^2/NDF:451.5/12

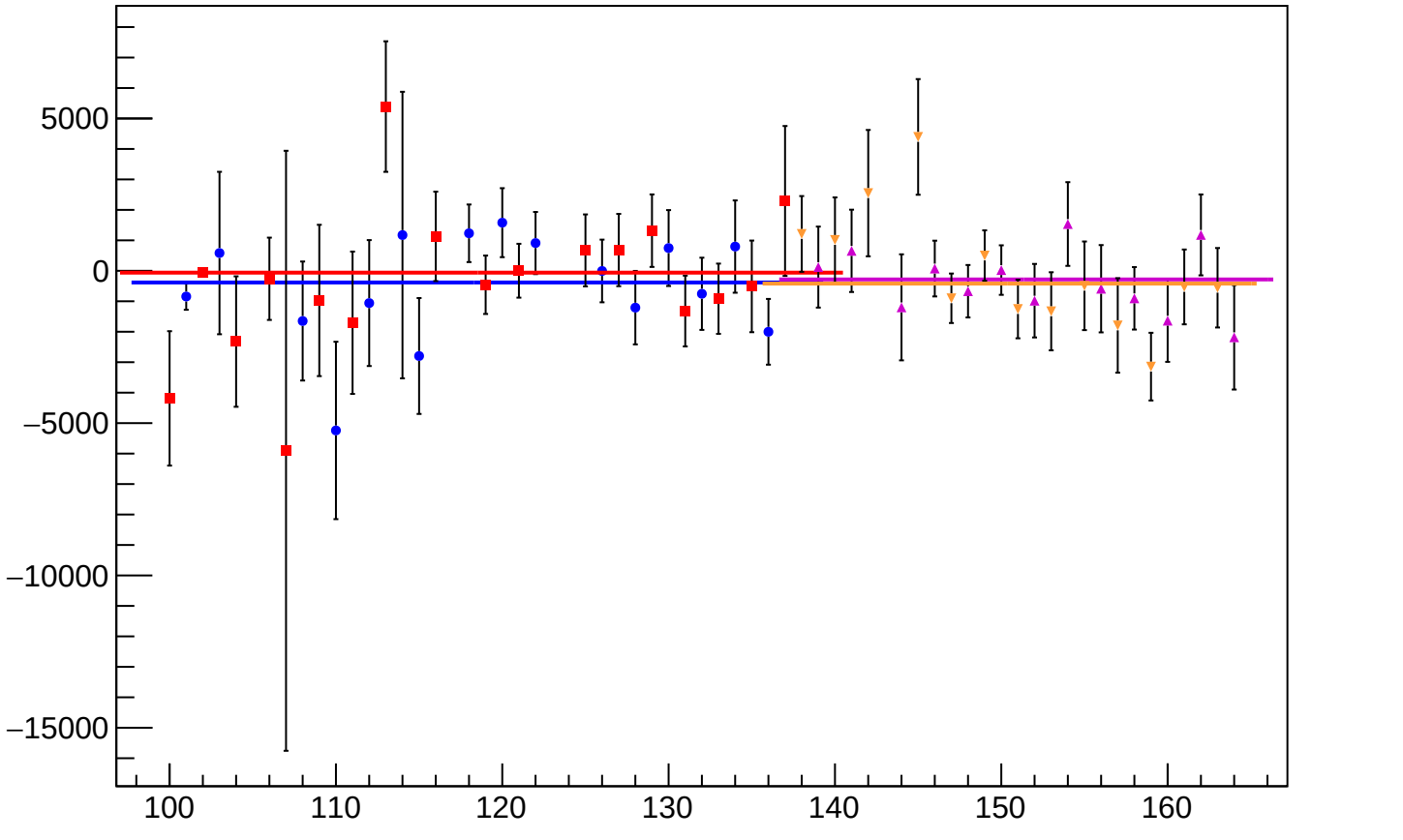
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1500.934+/-0.253 χ^2/NDF: 140543.1/28

All: 1510.437+/-0.179 χ^2/NDF: 358718.9/59

- sign 1519.848+/-0.252 χ^2/NDF: 215371.0/30



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.809+/-328.122 χ^2/NDF:20.9/12

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

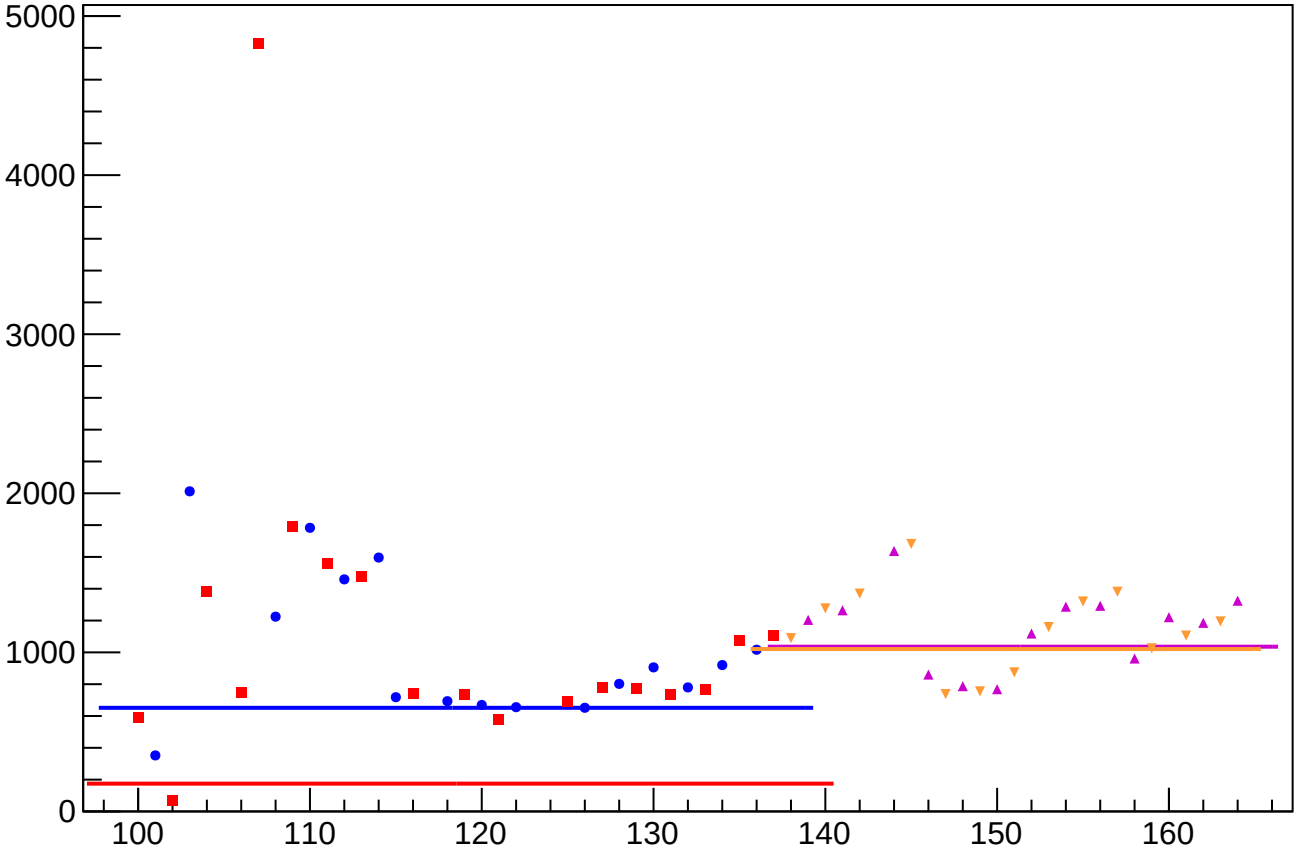
Left In: -283.344+/-322.572 χ^2/NDF:7.3/12

+ sign -397.472+/-209.501 χ^2/NDF: 39.1/28

All: -164.929+/-103.298 χ^2/NDF: 66.2/59

- 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: 1020.901+/-0.232 χ^2/NDF:1128846.2/12

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

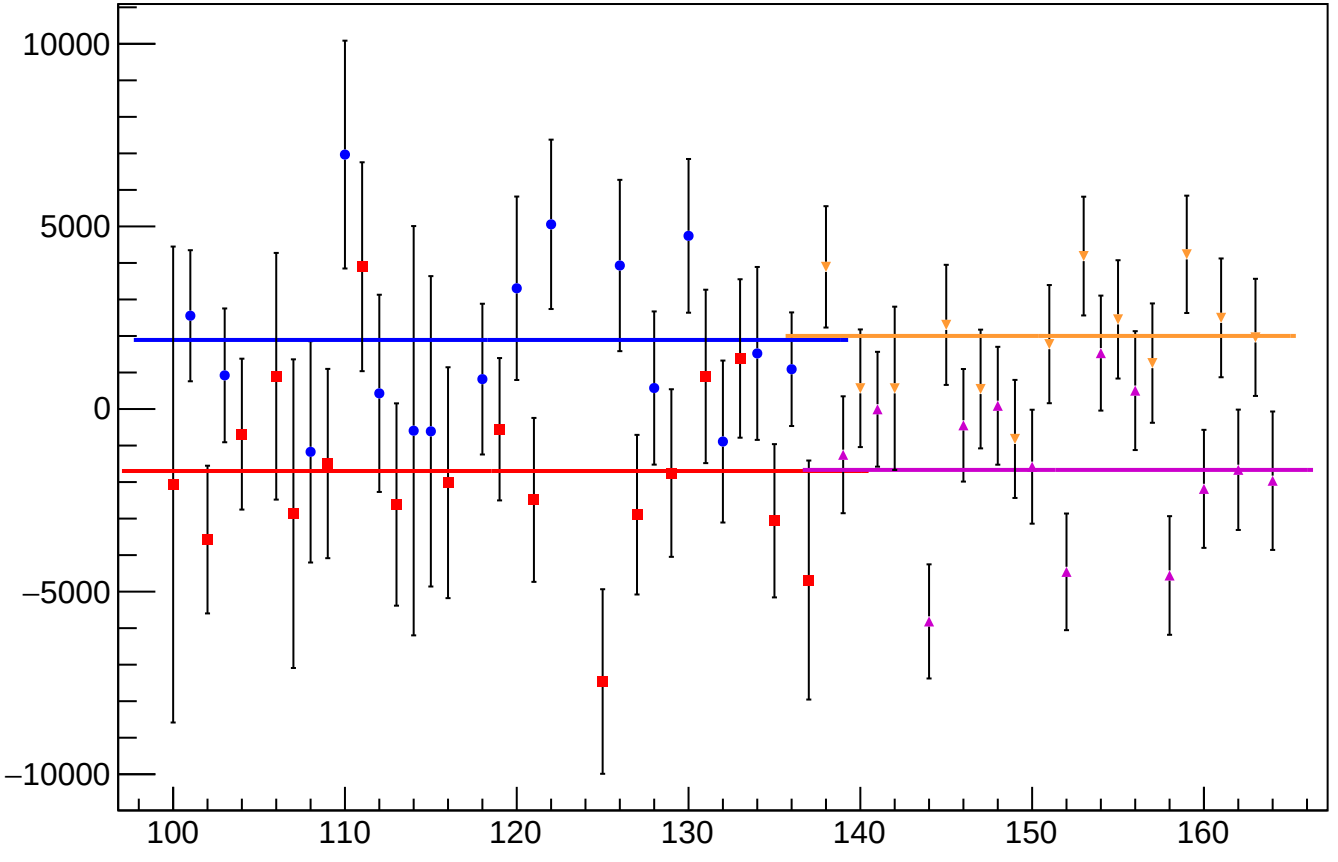
Left In: 1035.790+/-0.228 χ^2/NDF:1055459.3/12

+ sign 802.105+/-0.148 χ^2/NDF: 5392808.5/28

All: 415.666+/-0.073 χ^2/NDF: 37515426.7/59

- 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: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

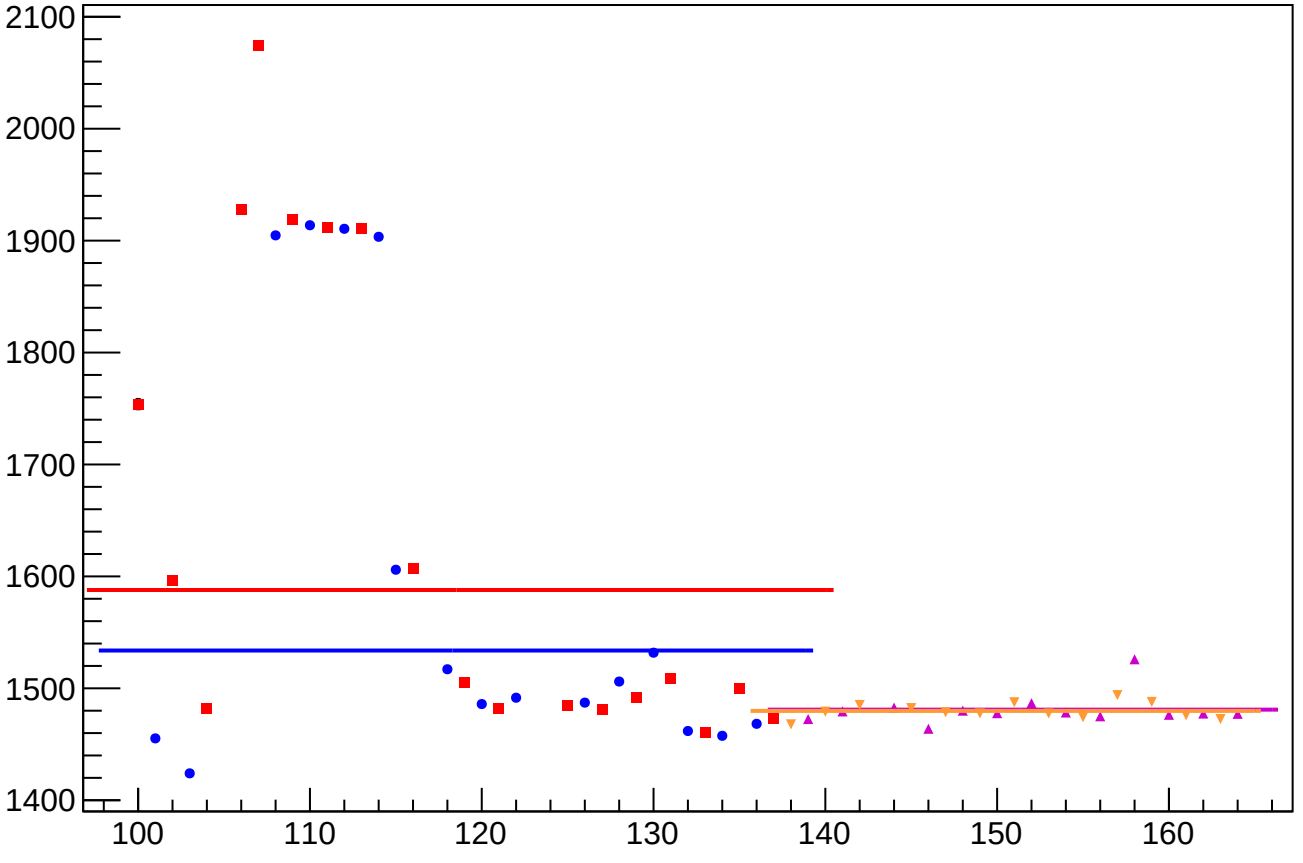
Left In: -1667.066+/-447.128 χ^2/NDF:22.3/12

+ sign 1958.619+/-357.996 χ^2/NDF: 22.8/28

All: 131.626+/-252.536 χ^2/NDF: 113.1/59

- 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: 1479.819+/-0.324 χ^2/NDF:451.5/12

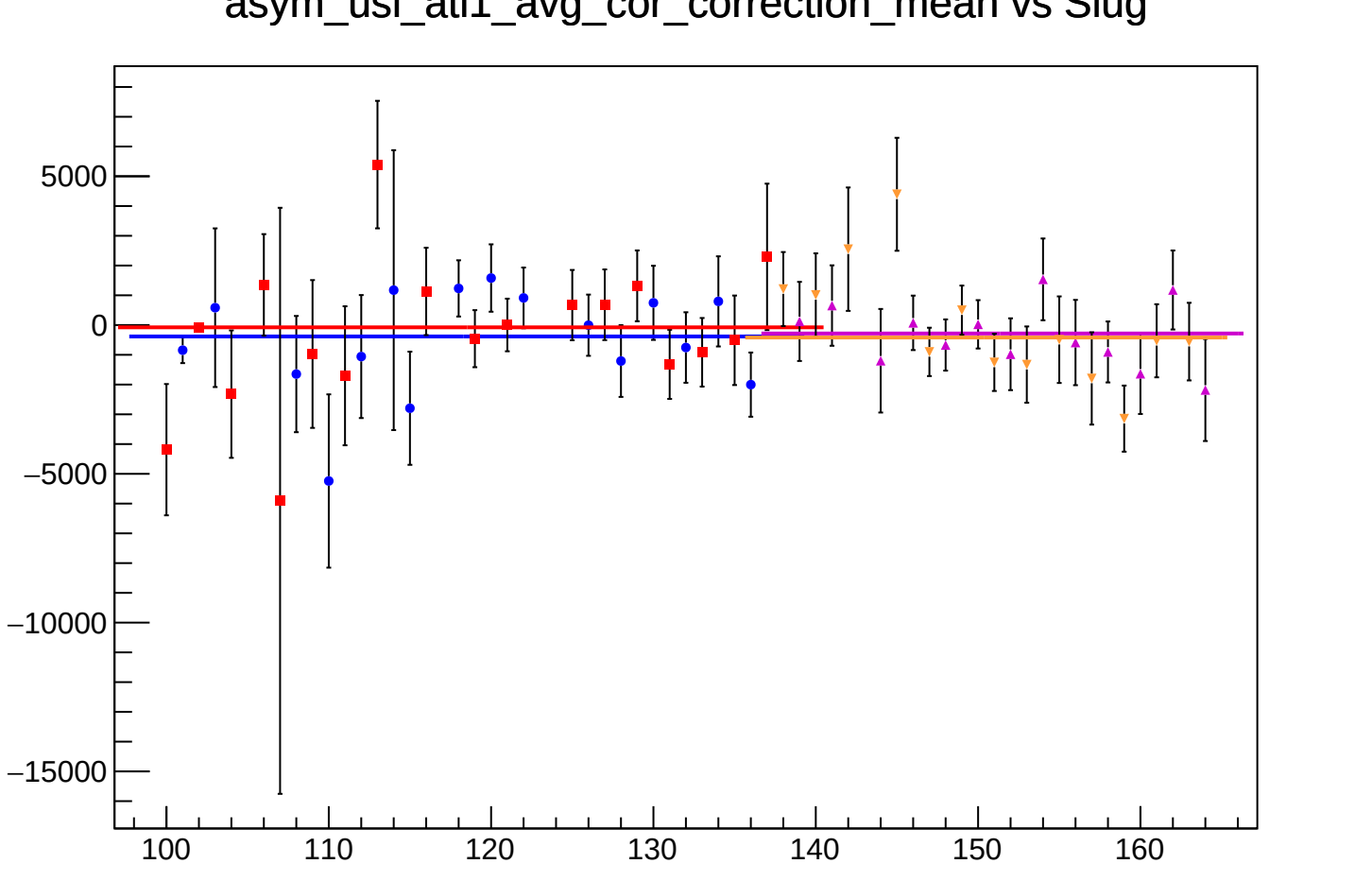
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1500.934+/-0.253 χ^2/NDF: 140543.0/28

All: 1510.499+/-0.179 χ^2/NDF: 360818.3/59

- 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: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

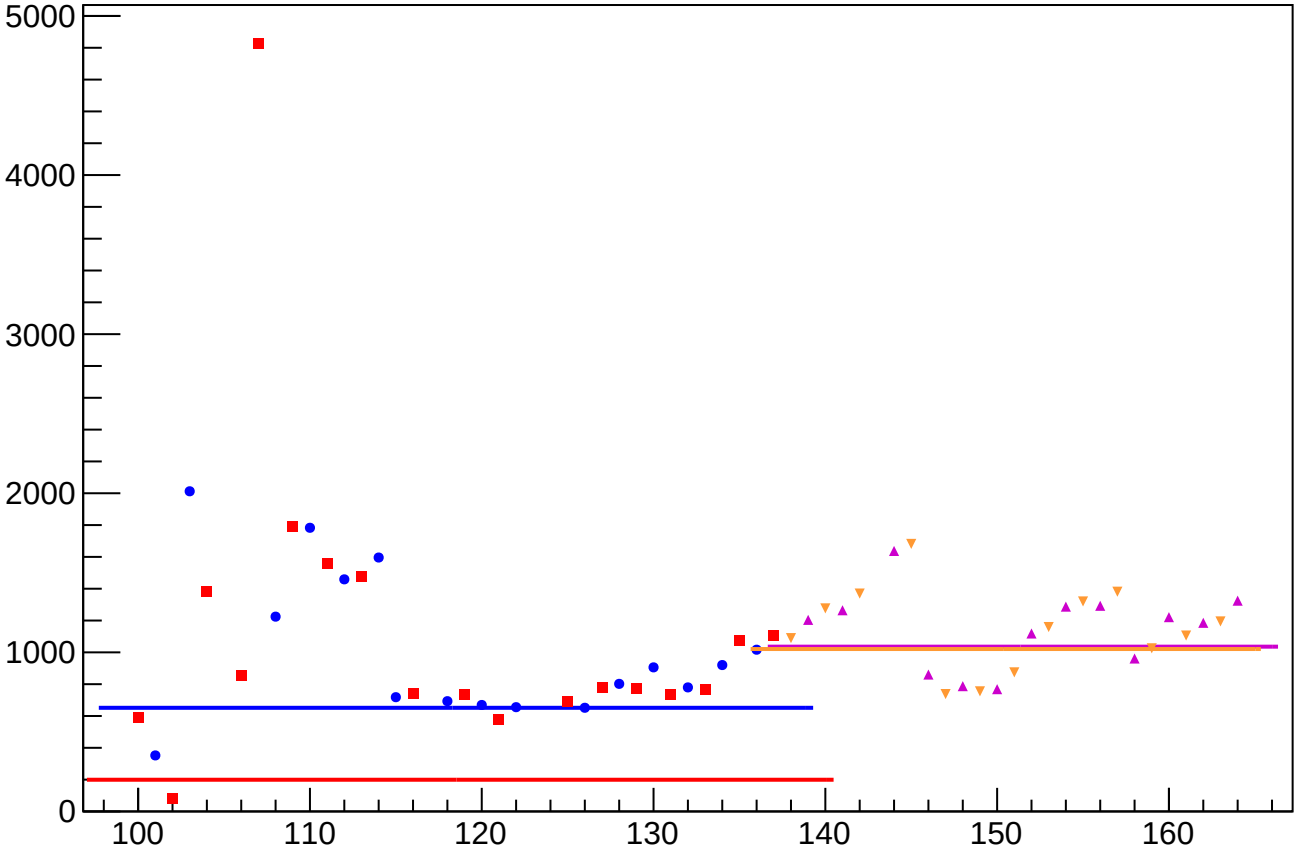
Left In: -283.427+/-322.572 χ^2/NDF:7.3/12

+ sign -397.487+/-209.502 χ^2/NDF: 39.1/28

All: -186.350+/-108.593 χ^2/NDF: 66.6/59

- 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: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

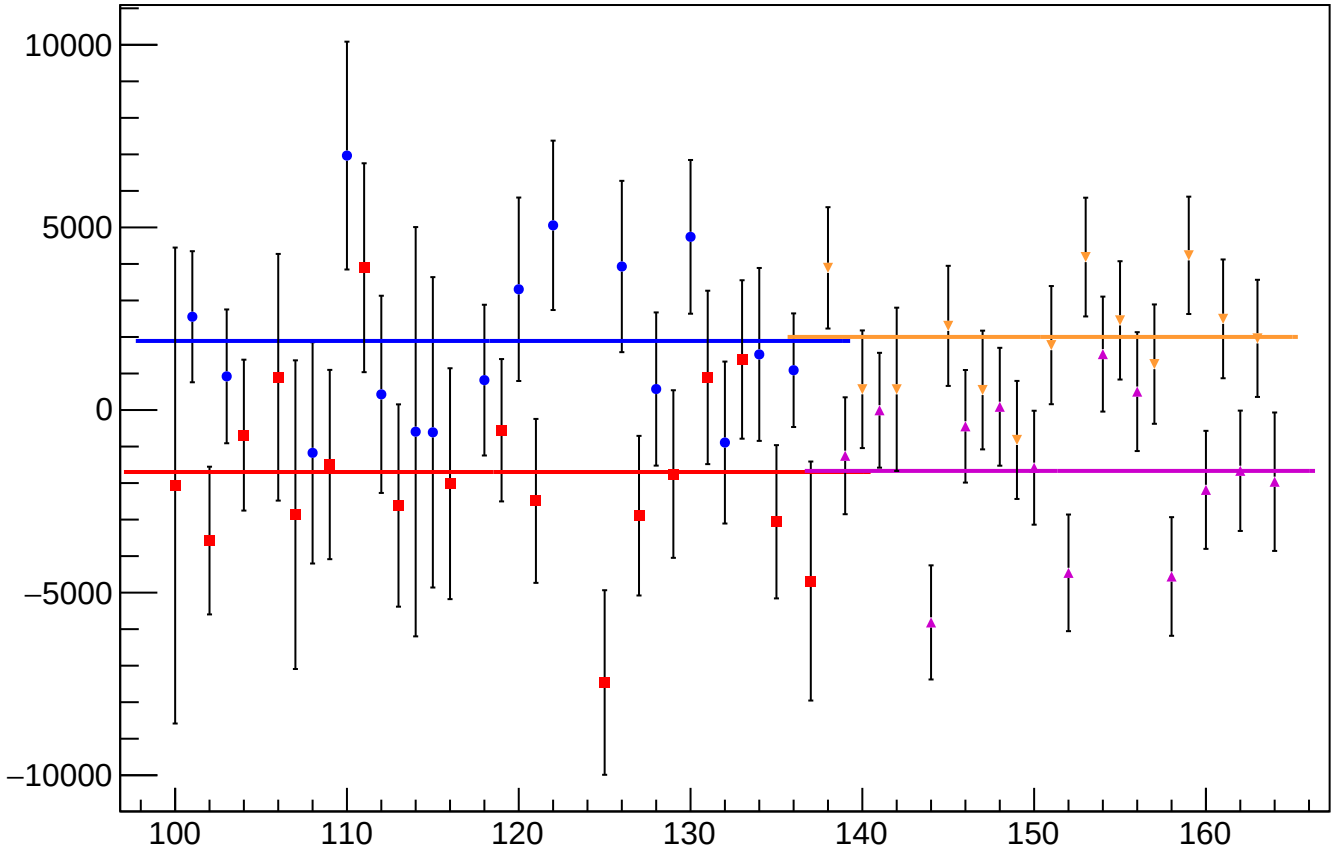
Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

+ sign 802.107+/-0.148 χ^2/NDF: 5392914.2/28

All: 456.087+/-0.077 χ^2/NDF: 34557222.4/59

- 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: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

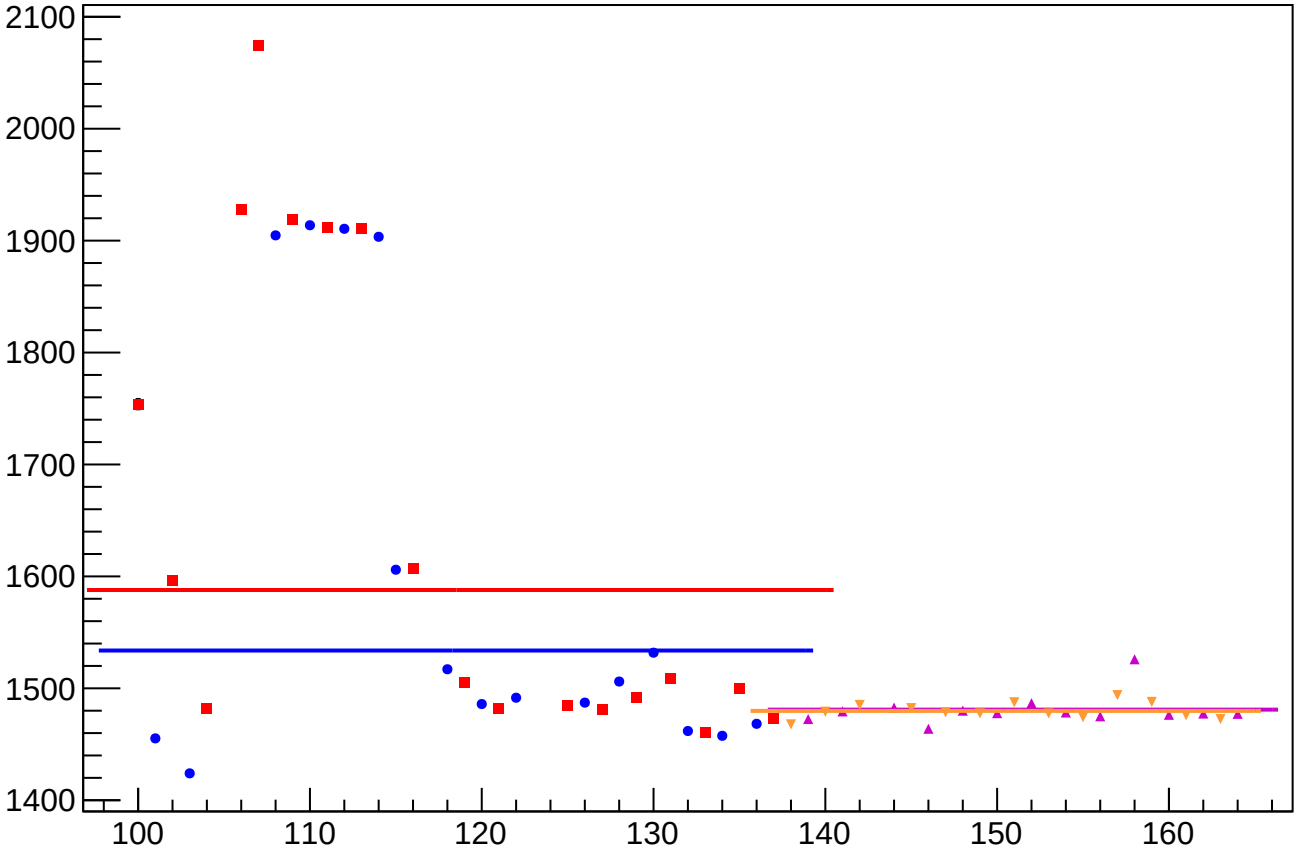
Left In: -1667.066+/-447.128 χ^2/NDF:22.3/12

+ sign 1958.619+/-357.996 χ^2/NDF: 22.8/28

All: 131.626+/-252.536 χ^2/NDF: 113.1/59

- 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: 1479.819+/-0.324 χ^2/NDF:451.5/12

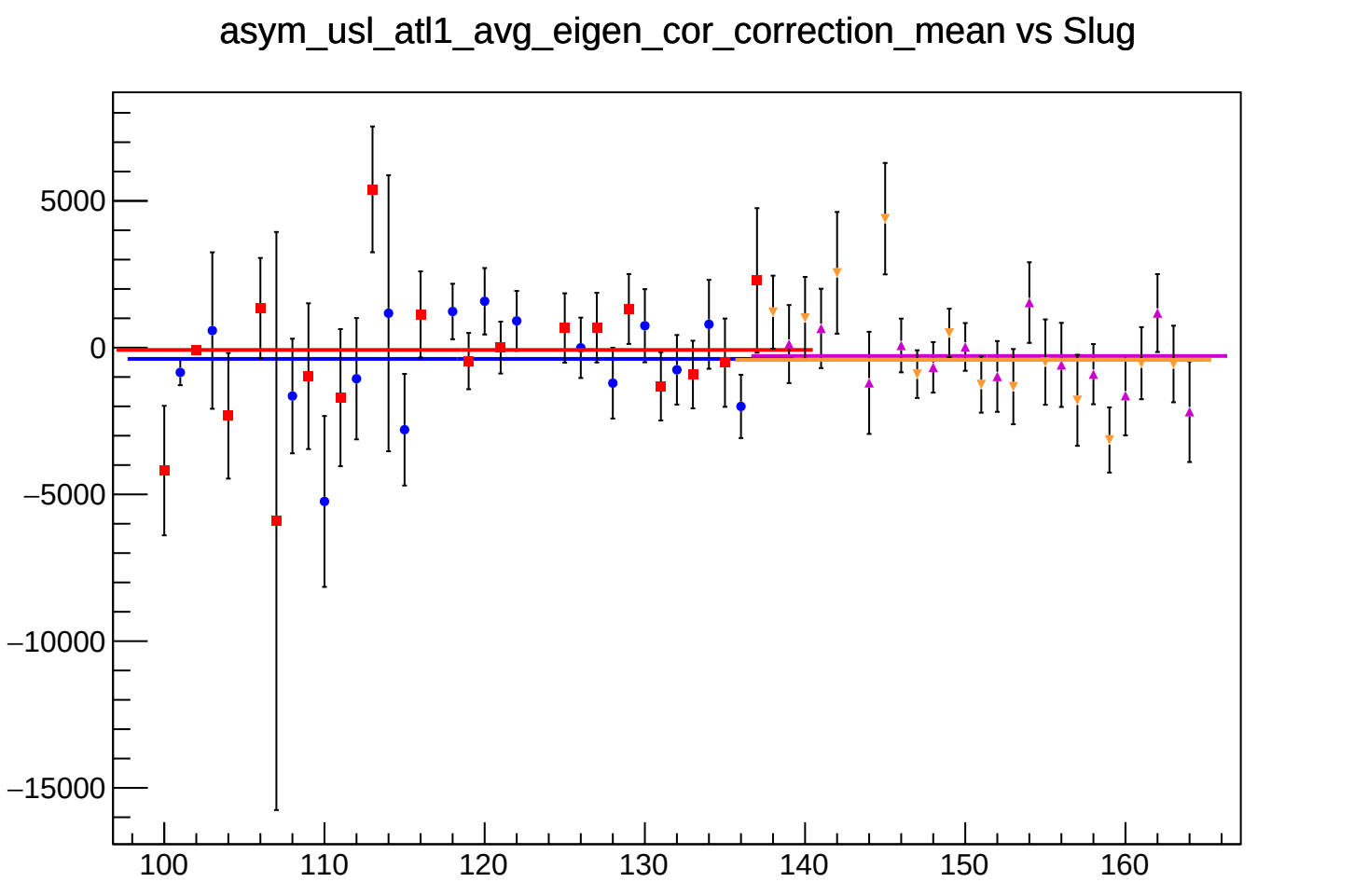
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1500.934+/-0.253 χ^2/NDF: 140543.0/28

All: 1510.499+/-0.179 χ^2/NDF: 360818.3/59

- 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: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

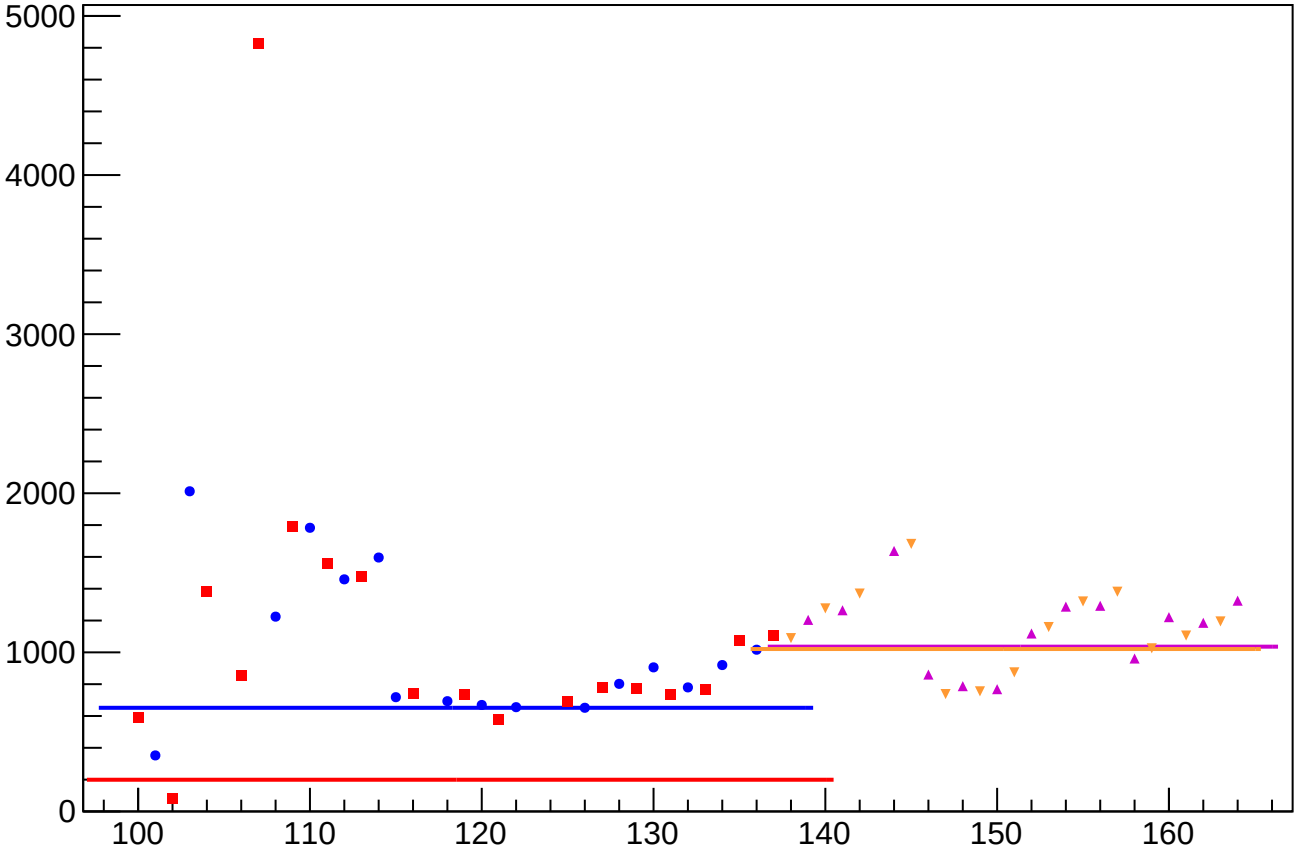
Left In: -283.427+/-322.572 χ^2/NDF:7.3/12

+ sign -397.487+/-209.502 χ^2/NDF: 39.1/28

All: -186.350+/-108.593 χ^2/NDF: 66.6/59

- 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: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

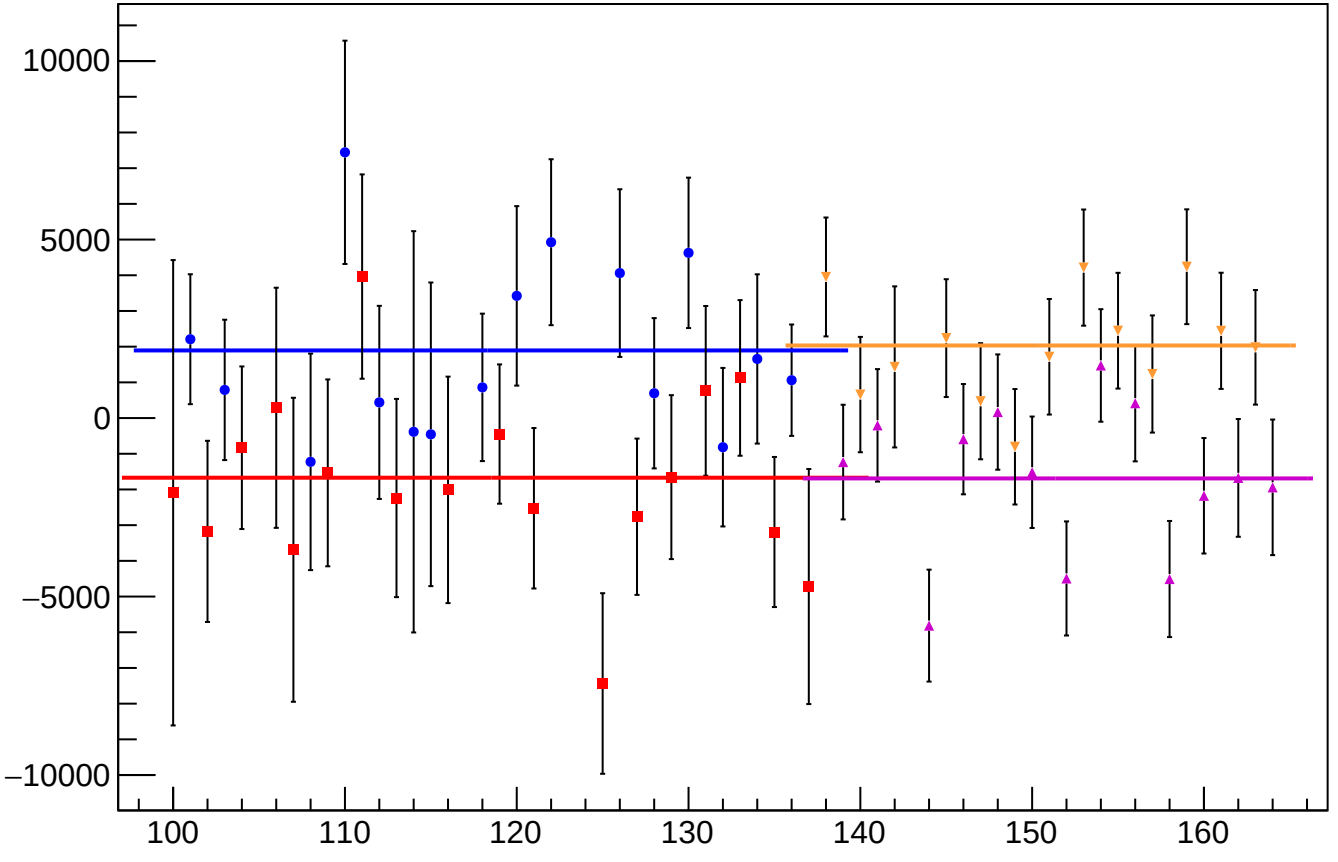
Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

+ sign 802.107+/-0.148 χ^2/NDF: 5392914.2/28

All: 456.087+/-0.077 χ^2/NDF: 34557222.4/59

- 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: 2033.222+/-459.752 χ^2/NDF:10.2/12

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

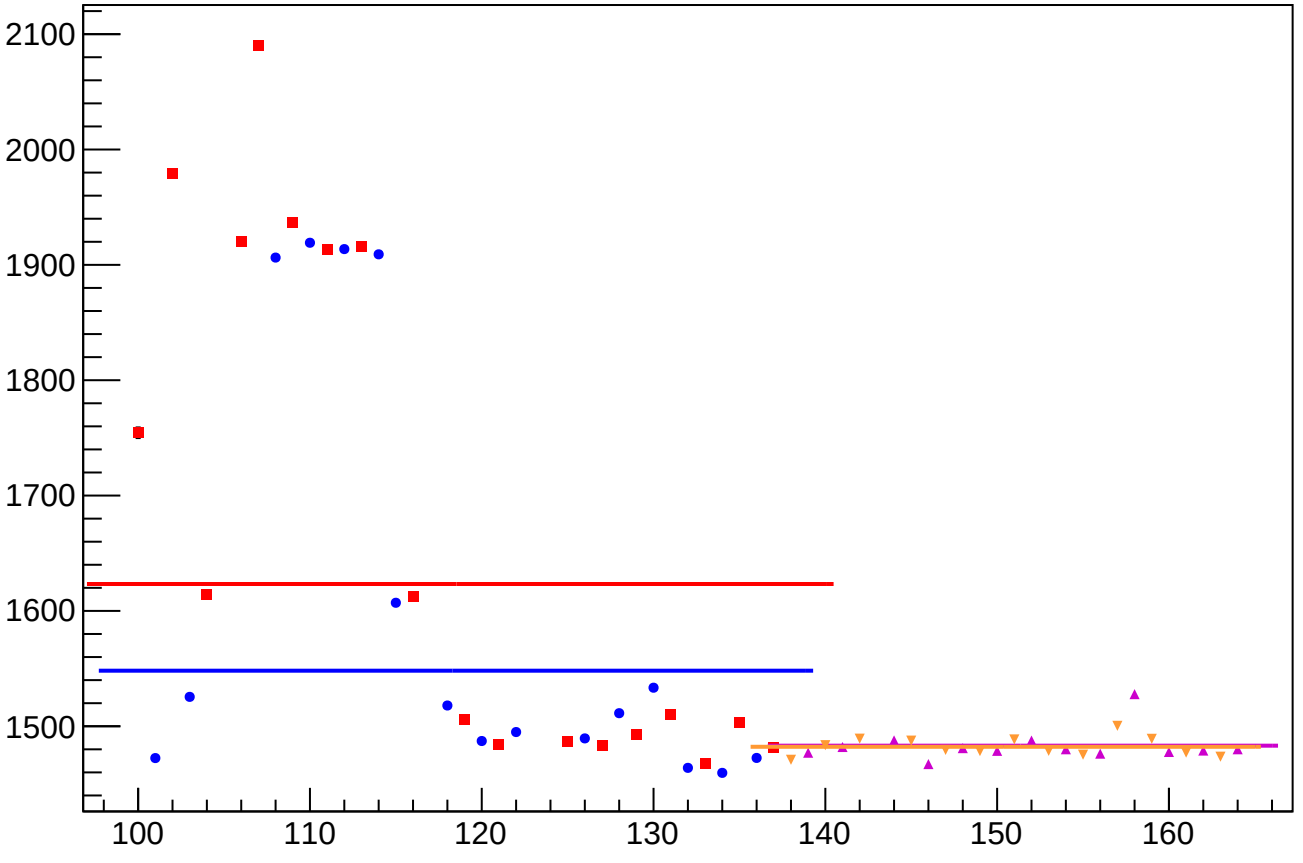
Left In: -1691.020+/-447.803 χ^2/NDF:21.6/12

+ sign 1979.296+/-359.720 χ^2/NDF: 22.5/28

All: 148.611+/-254.424 χ^2/NDF: 111.0/59

- 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: 1482.210+/-0.325 χ^2/NDF:584.2/12

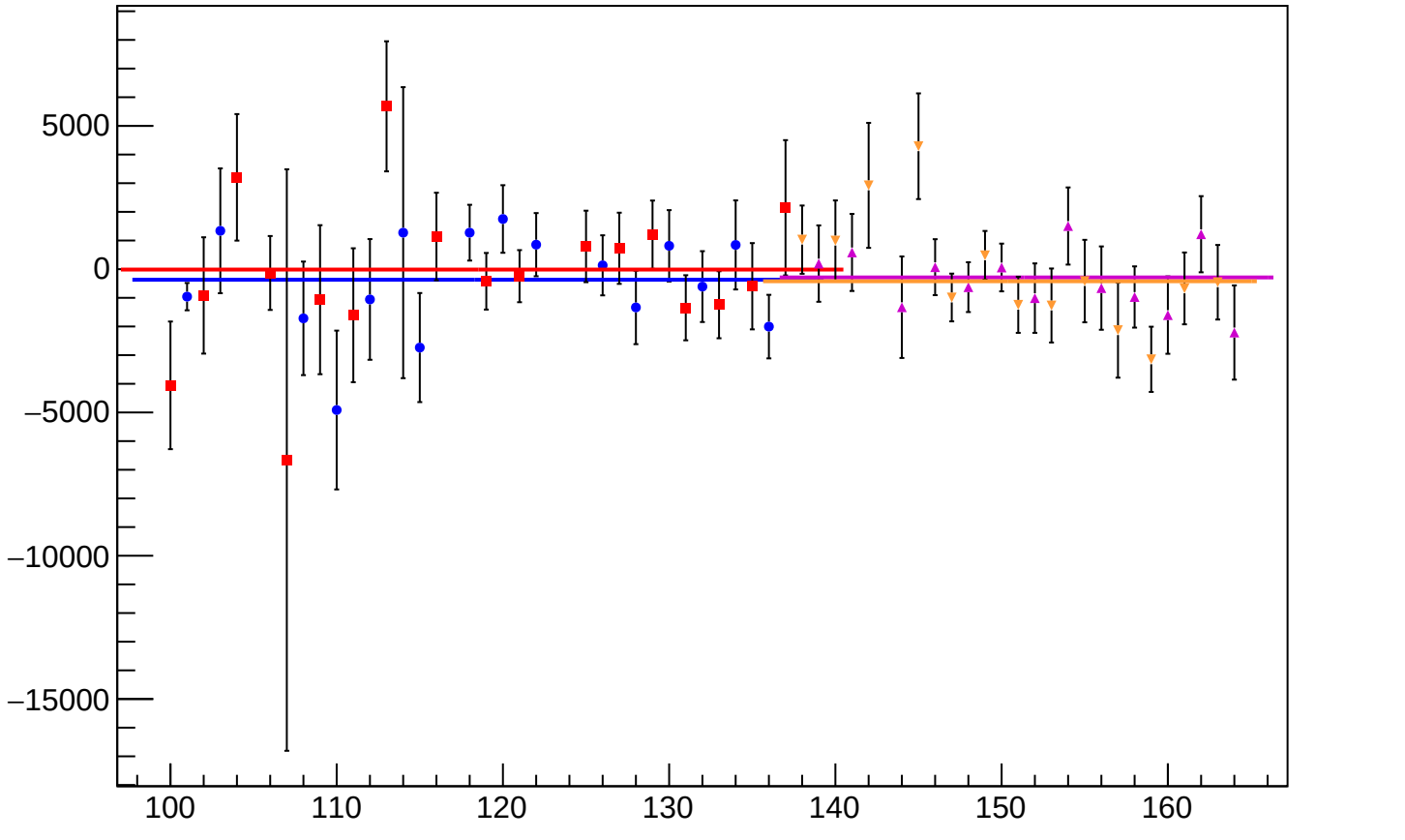
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

+ sign 1507.792+/-0.254 χ^2/NDF: 136456.5/28

All: 1520.287+/-0.180 χ^2/NDF: 424083.6/59

- 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: -421.625+/-332.767 χ^2/NDF:21.0/12

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

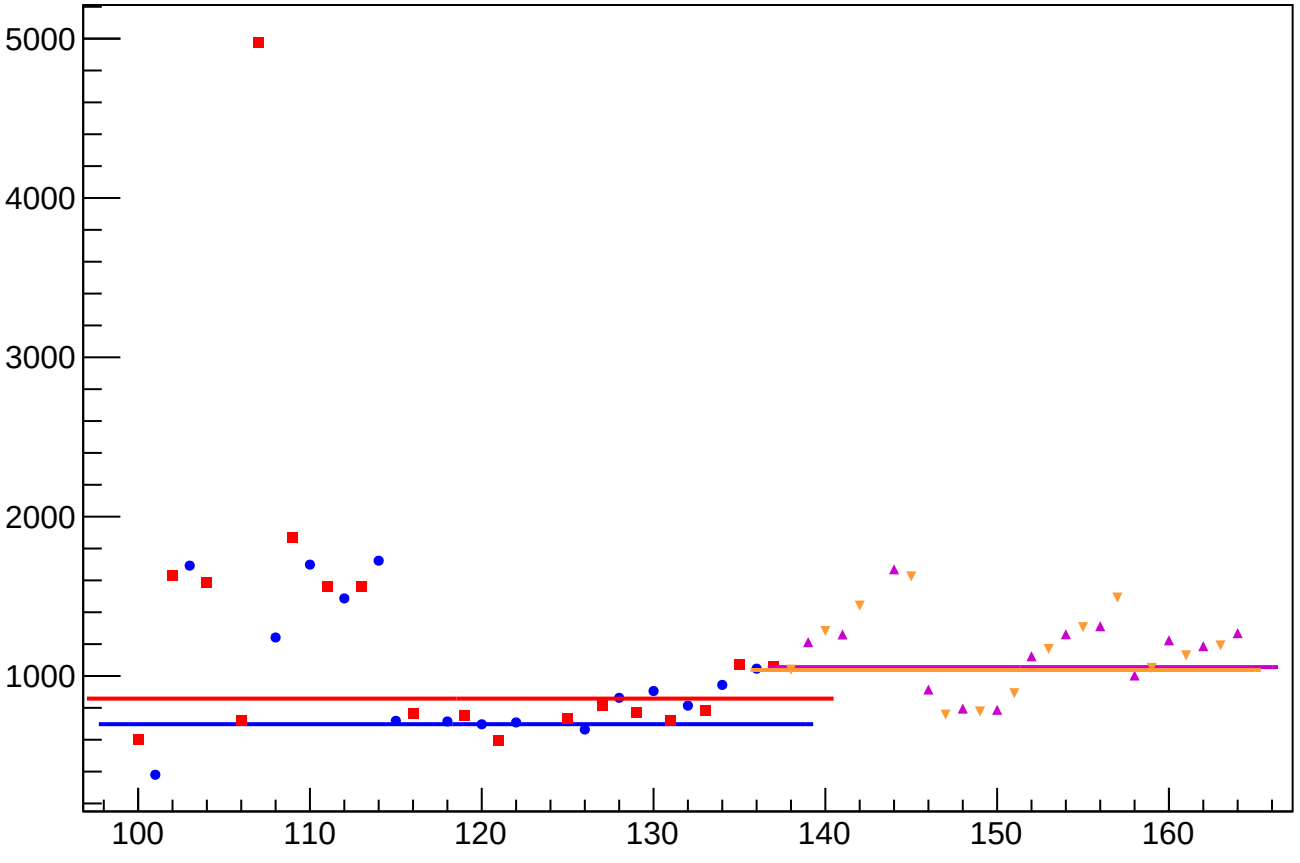
Left In: -288.962+/-327.604 χ^2/NDF:7.6/12

+ sign -391.242+/-217.150 χ^2/NDF: 39.9/28

All: -284.101+/-159.932 χ^2/NDF: 67.4/59

- 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: 1037.722+/-0.235 χ^2/NDF:1070089.5/12

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

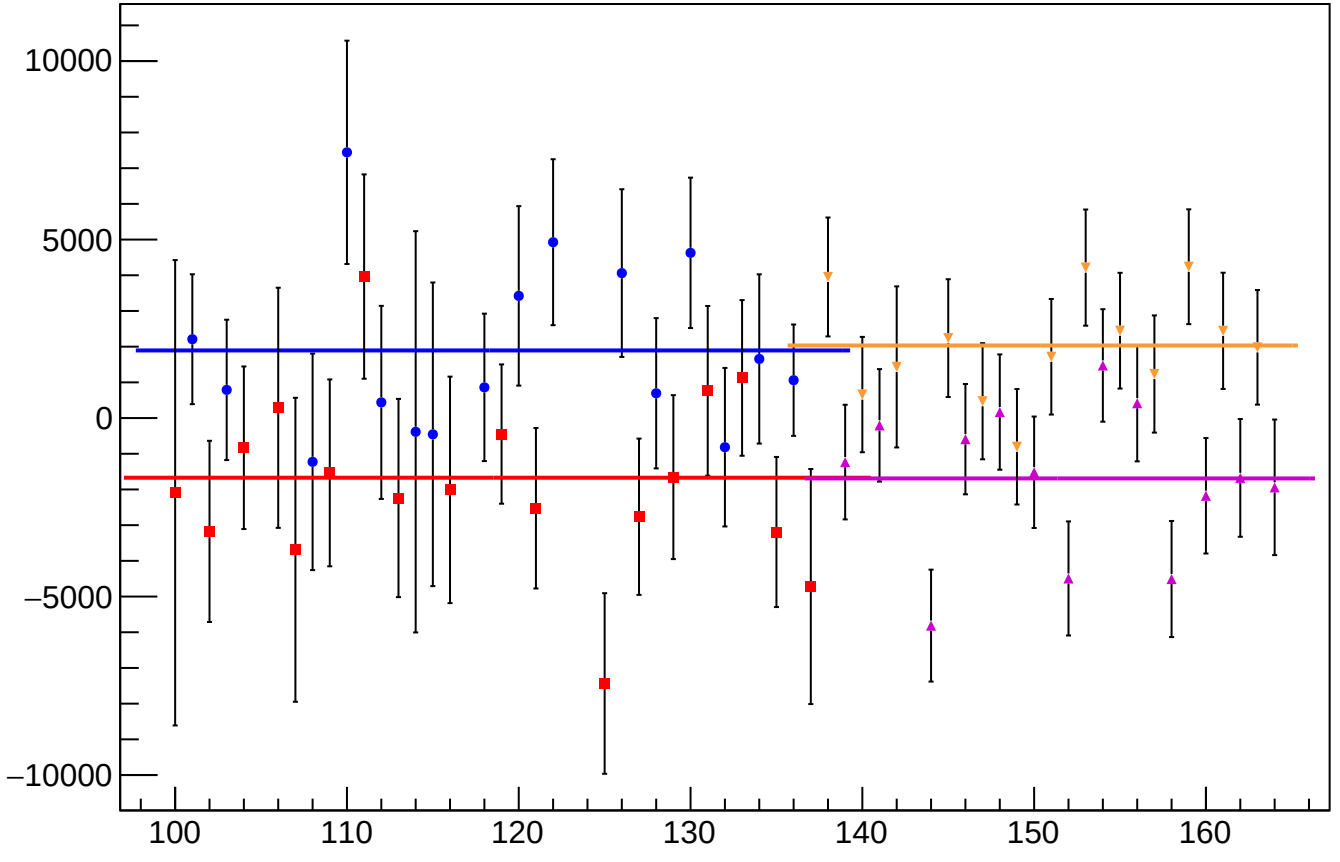
Left In: 1055.789+/-0.232 χ^2/NDF:947610.8/12

+ sign 842.387+/-0.154 χ^2/NDF: 4705936.9/28

All: 896.690+/-0.113 χ^2/NDF: 8158017.9/59

- 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: 2033.220+/-459.752 χ^2/NDF:10.2/12

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

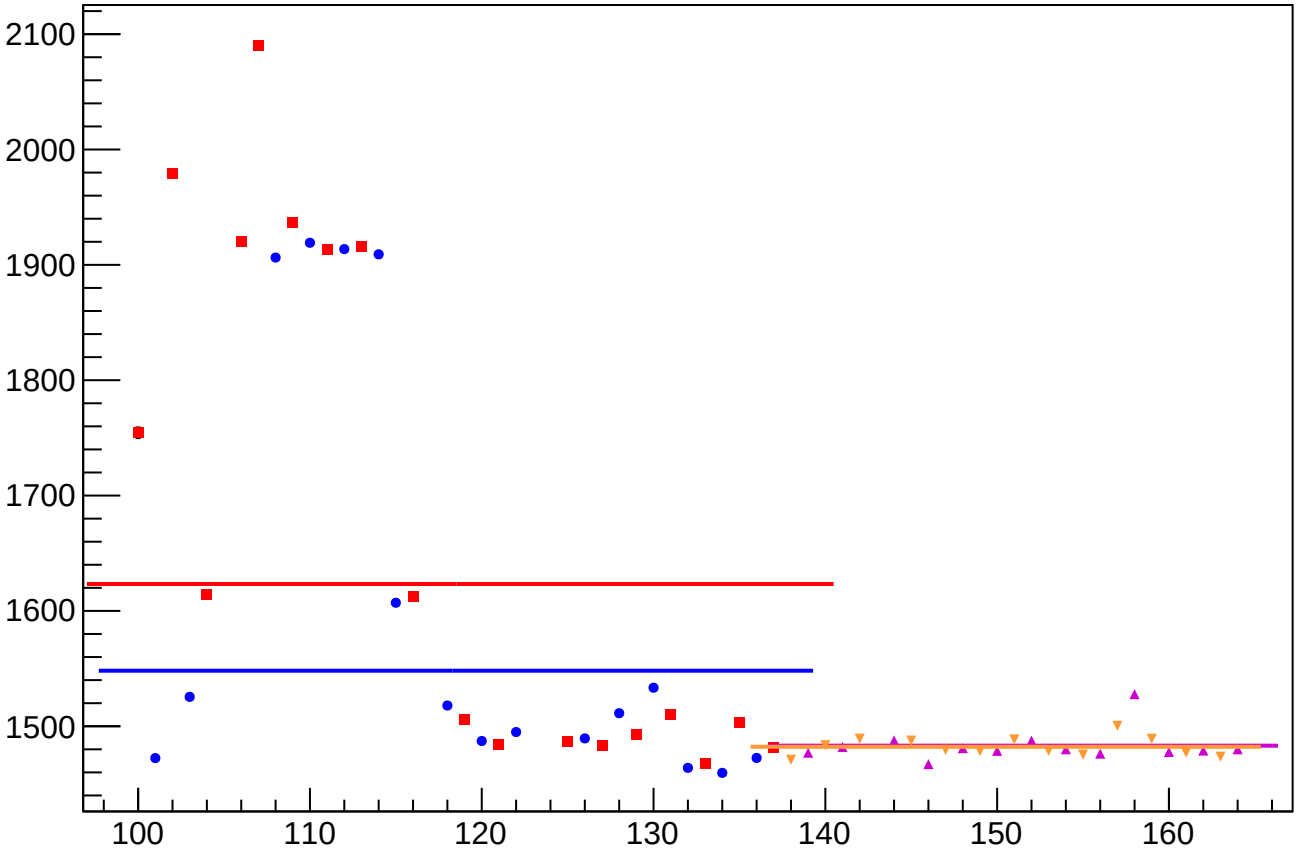
Left In: -1691.021+/-447.803 χ^2/NDF:21.6/12

+ sign 1979.293+/-359.720 χ^2/NDF: 22.5/28

All: 148.609+/-254.424 χ^2/NDF: 111.0/59

- 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: 1482.210+/-0.325 χ^2/NDF:584.2/12

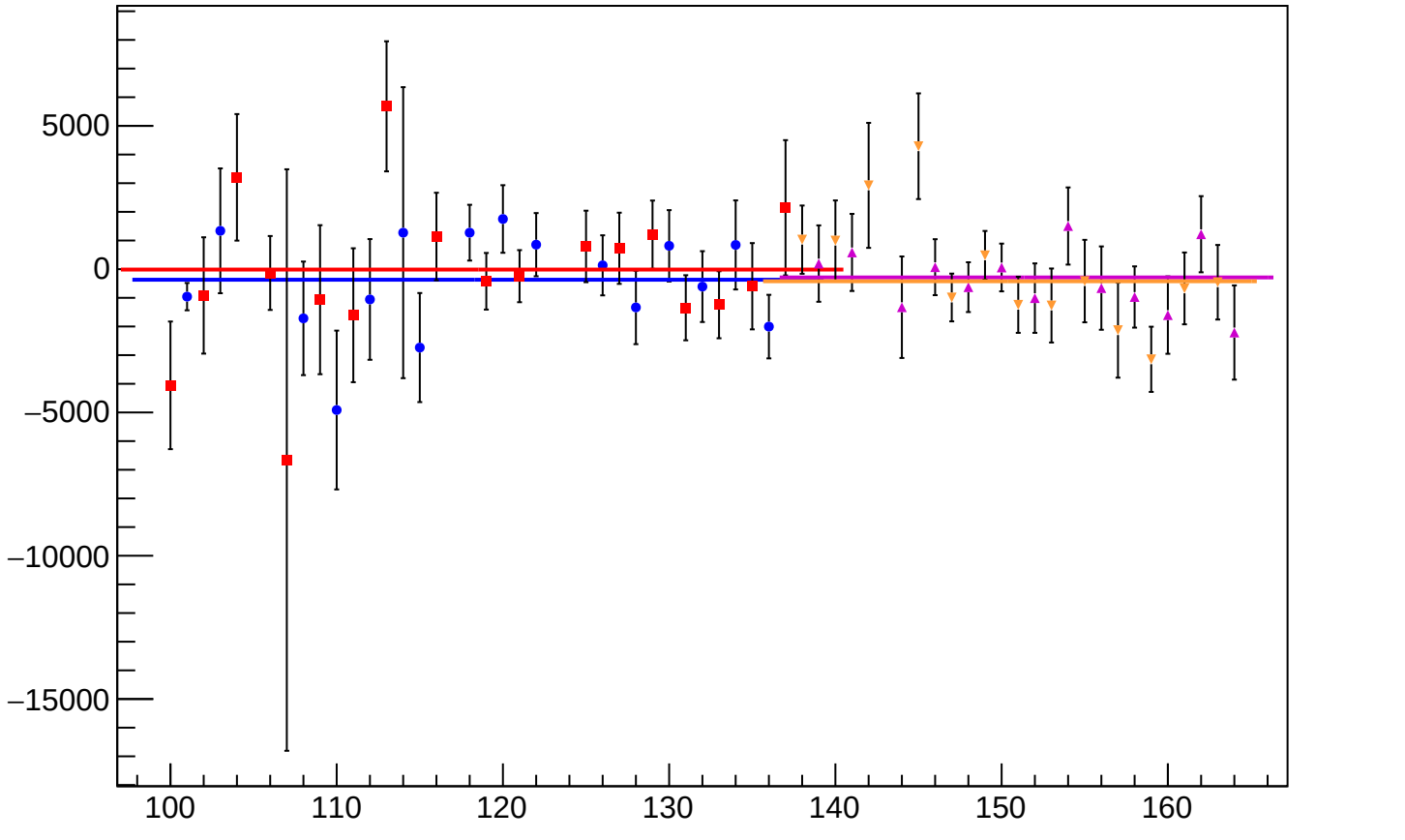
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

+ sign 1507.792+/-0.254 χ^2/NDF: 136456.5/28

All: 1520.287+/-0.180 χ^2/NDF: 424083.1/59

- 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: -421.628+/-332.767 χ^2/NDF:21.0/12

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

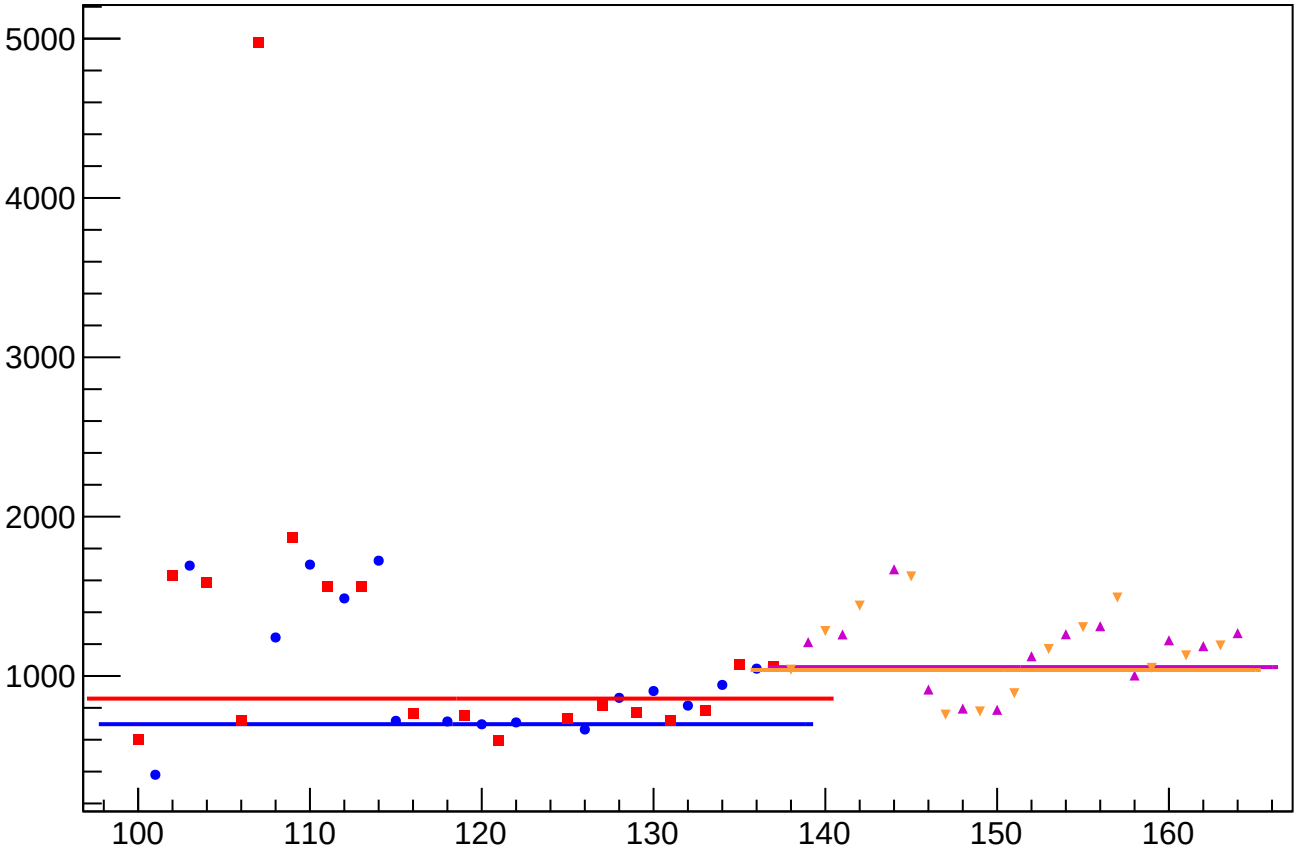
Left In: -288.962+/-327.605 χ^2/NDF:7.6/12

+ sign -391.243+/-217.150 χ^2/NDF: 39.9/28

All: -284.102+/-159.932 χ^2/NDF: 67.4/59

- 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: 1037.723+/-0.235 χ^2/NDF:1070087.0/12

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

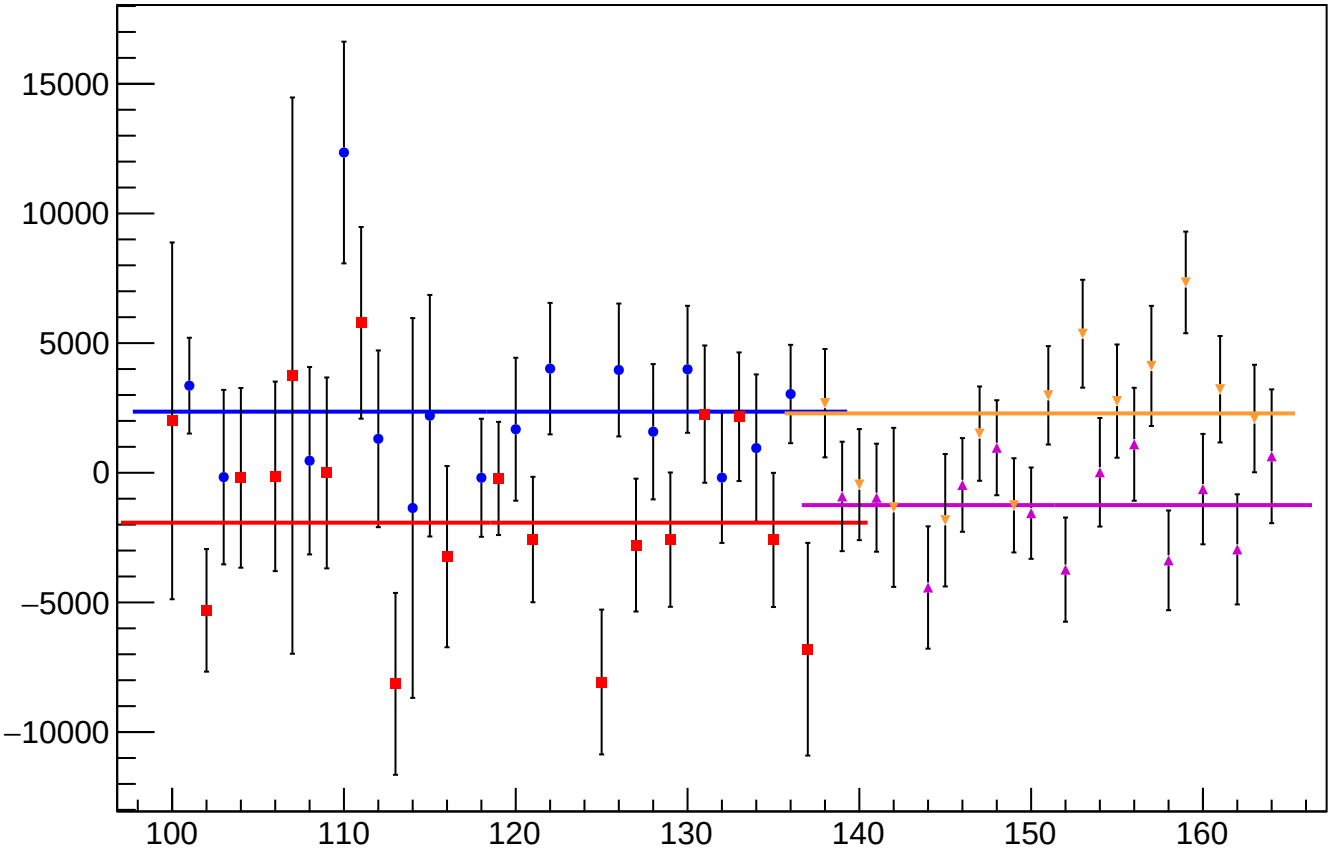
Left In: 1055.791+/-0.232 χ^2/NDF:947607.5/12

+ sign 842.388+/-0.154 χ^2/NDF: 4705937.0/28

All: 896.690+/-0.113 χ^2/NDF: 8158033.5/59

- 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: 2289.343+/-582.543 χ^2/NDF:19.5/12

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

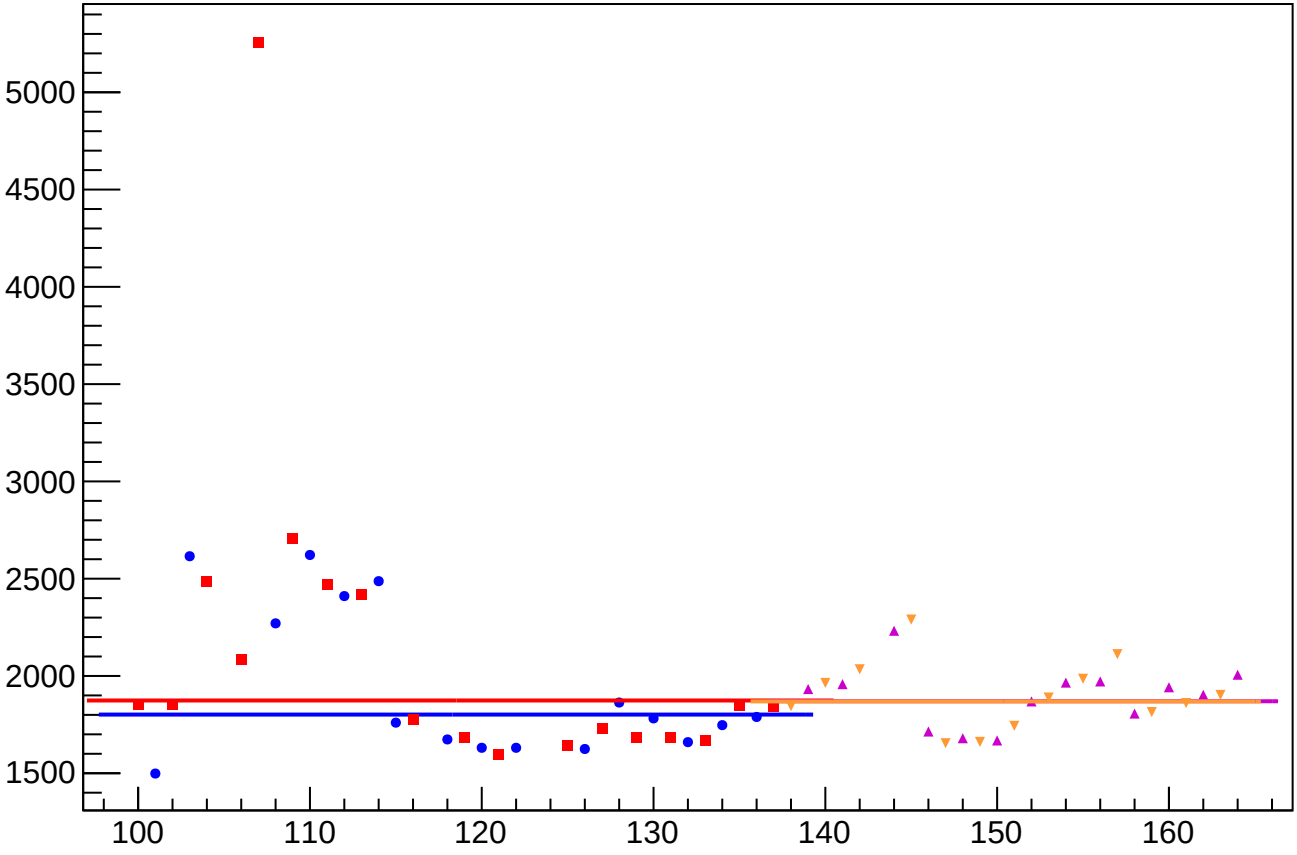
Left In: -1247.275+/-566.974 χ^2/NDF:9.1/12

+ sign 2318.030+/-442.109 χ^2/NDF: 30.5/28

All: 403.415+/-312.674 χ^2/NDF: 101.1/59

- 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: 1869.221+/-0.412 χ^2/NDF:157135.5/12

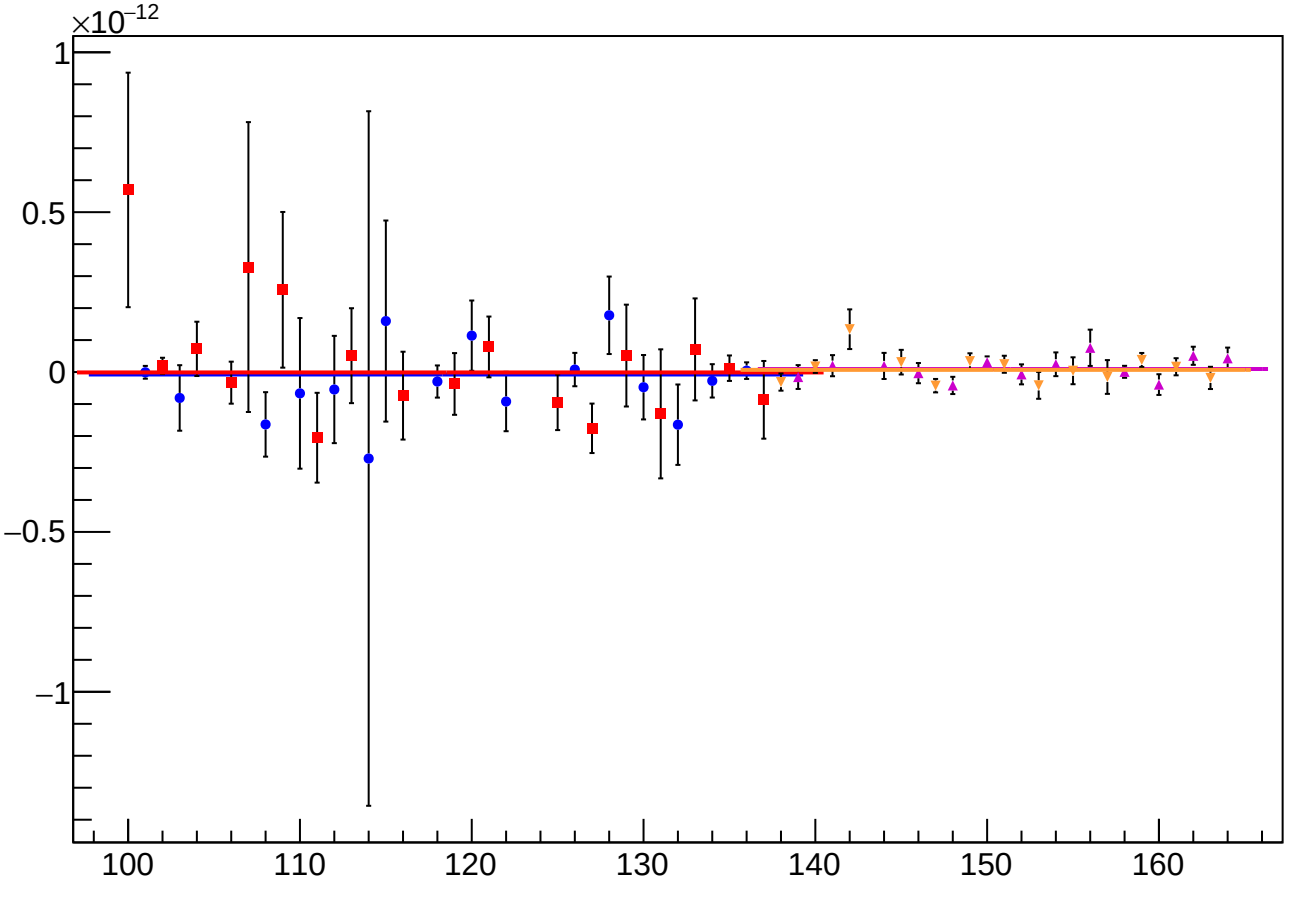
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1870.080+/-0.401 χ^2/NDF:134150.7/12

+ sign 1840.518+/-0.313 χ^2/NDF: 569289.0/28

All: 1856.056+/-0.221 χ^2/NDF: 1278328.5/59

- 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:18.2/12

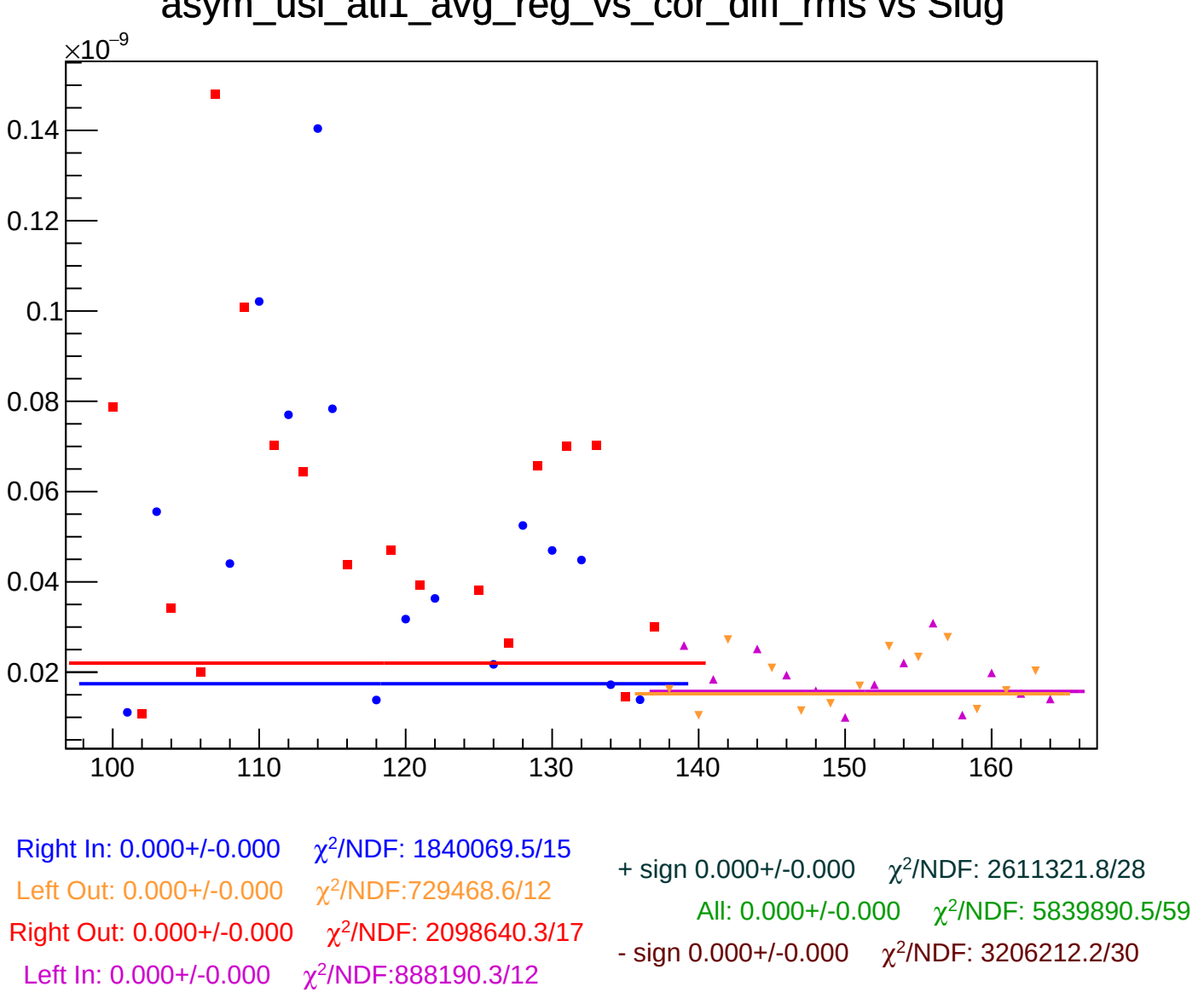
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/12

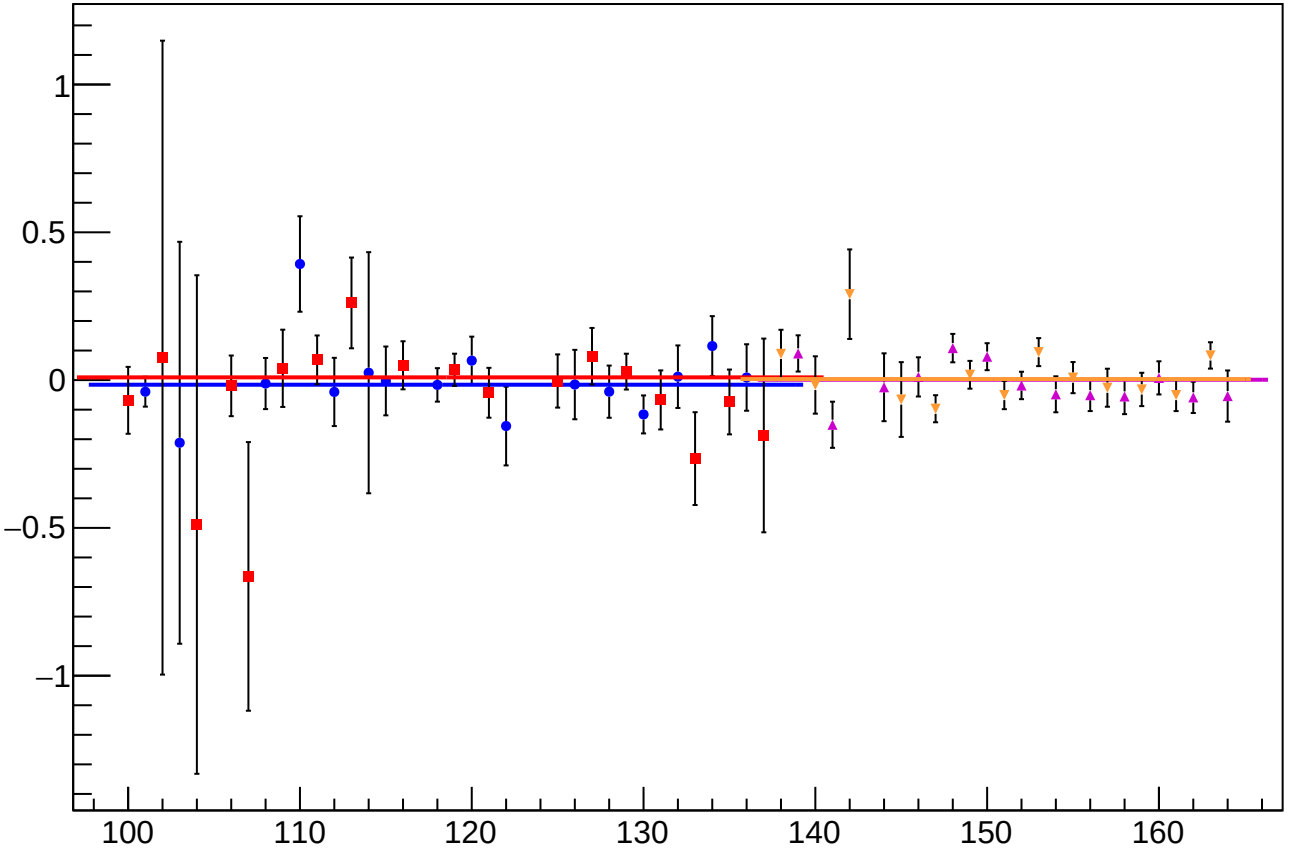
+ sign 0.000+/-0.000 χ^2/NDF: 29.4/28

All: 0.000+/-0.000 χ^2/NDF: 59.7/59

- sign 0.000+/-0.000 χ^2/NDF: 30.1/30


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:729468.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:888190.3/12
+ sign 0.000+/-0.000 χ²/NDF: 2611321.8/28
All: 0.000+/-0.000 χ²/NDF: 5839890.5/59
- sign 0.000+/-0.000 χ²/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: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

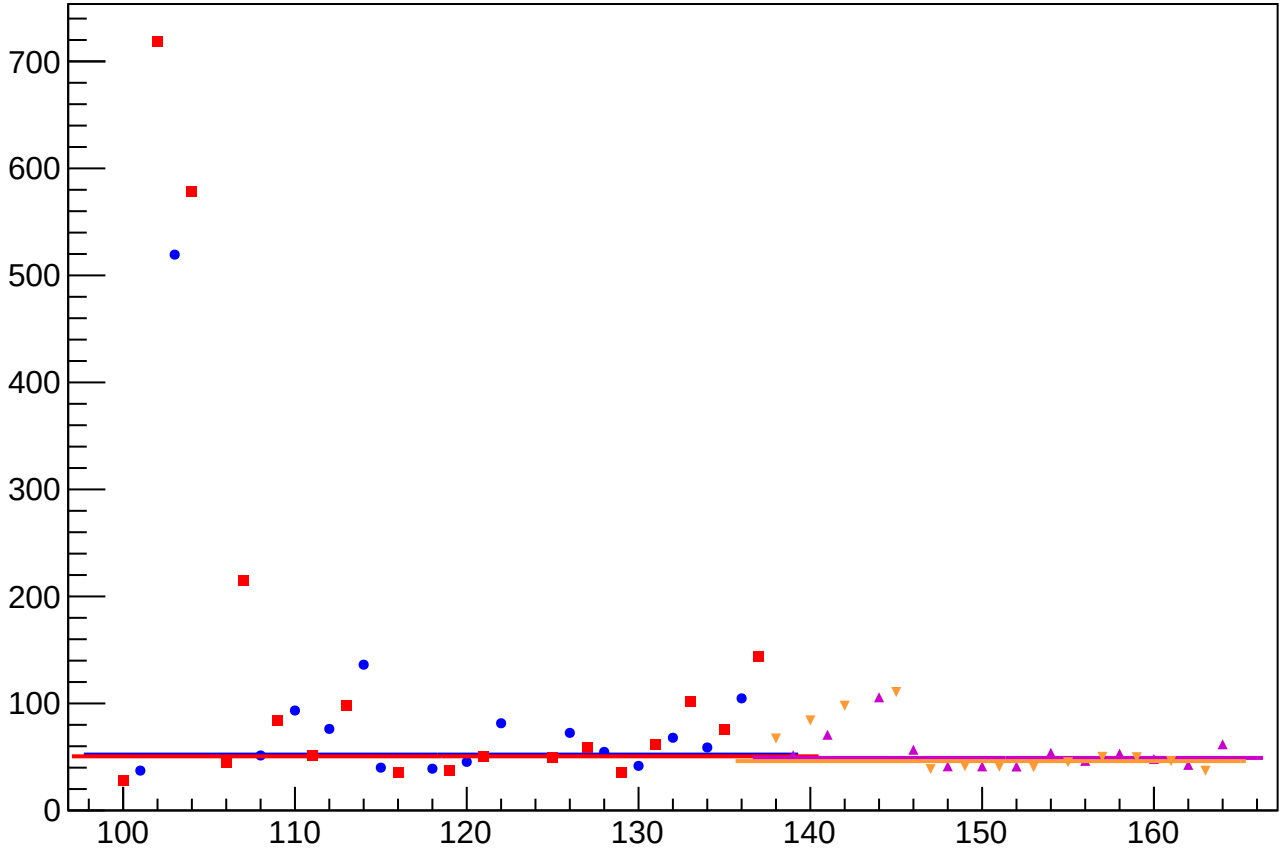
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.000+/-0.009 χ^2/NDF: 64.3/59

- 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: 46.125+/-0.011 χ^2/NDF:1422059.8/12

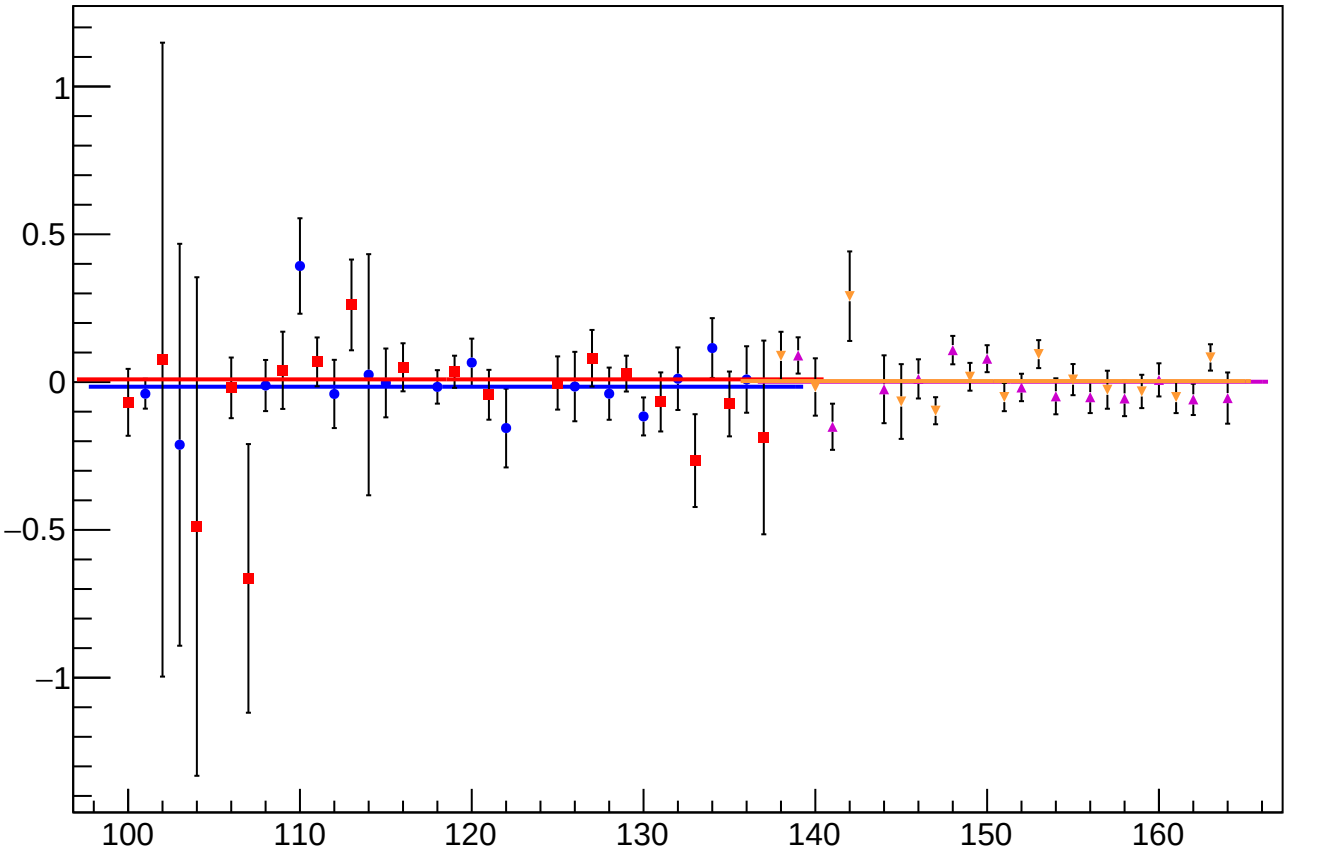
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

+ sign 48.134+/-0.009 χ^2/NDF: 3784985.9/28

All: 48.833+/-0.007 χ^2/NDF: 7796868.4/59

- 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: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

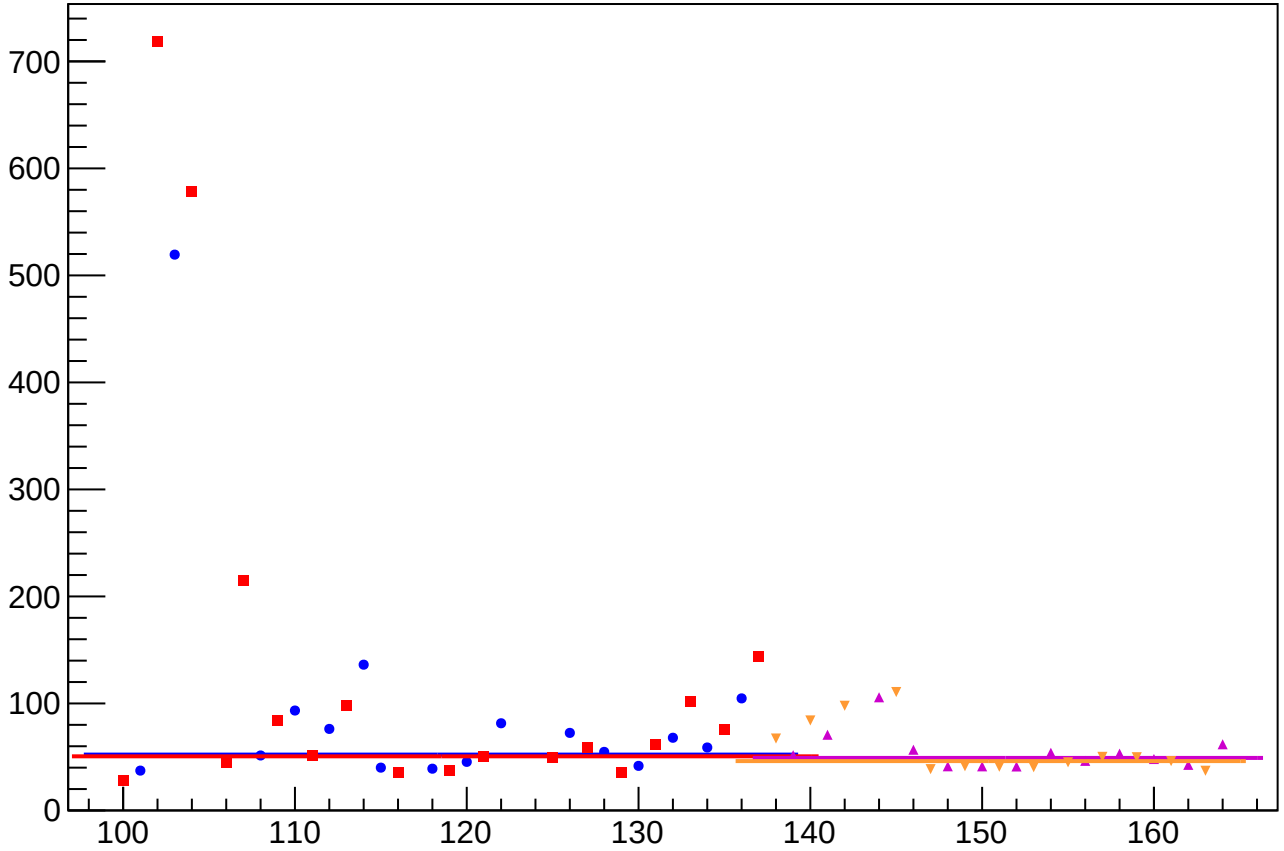
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.000+/-0.009 χ^2/NDF: 64.3/59

- 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: 46.125+/-0.011 χ^2/NDF:1422059.8/12

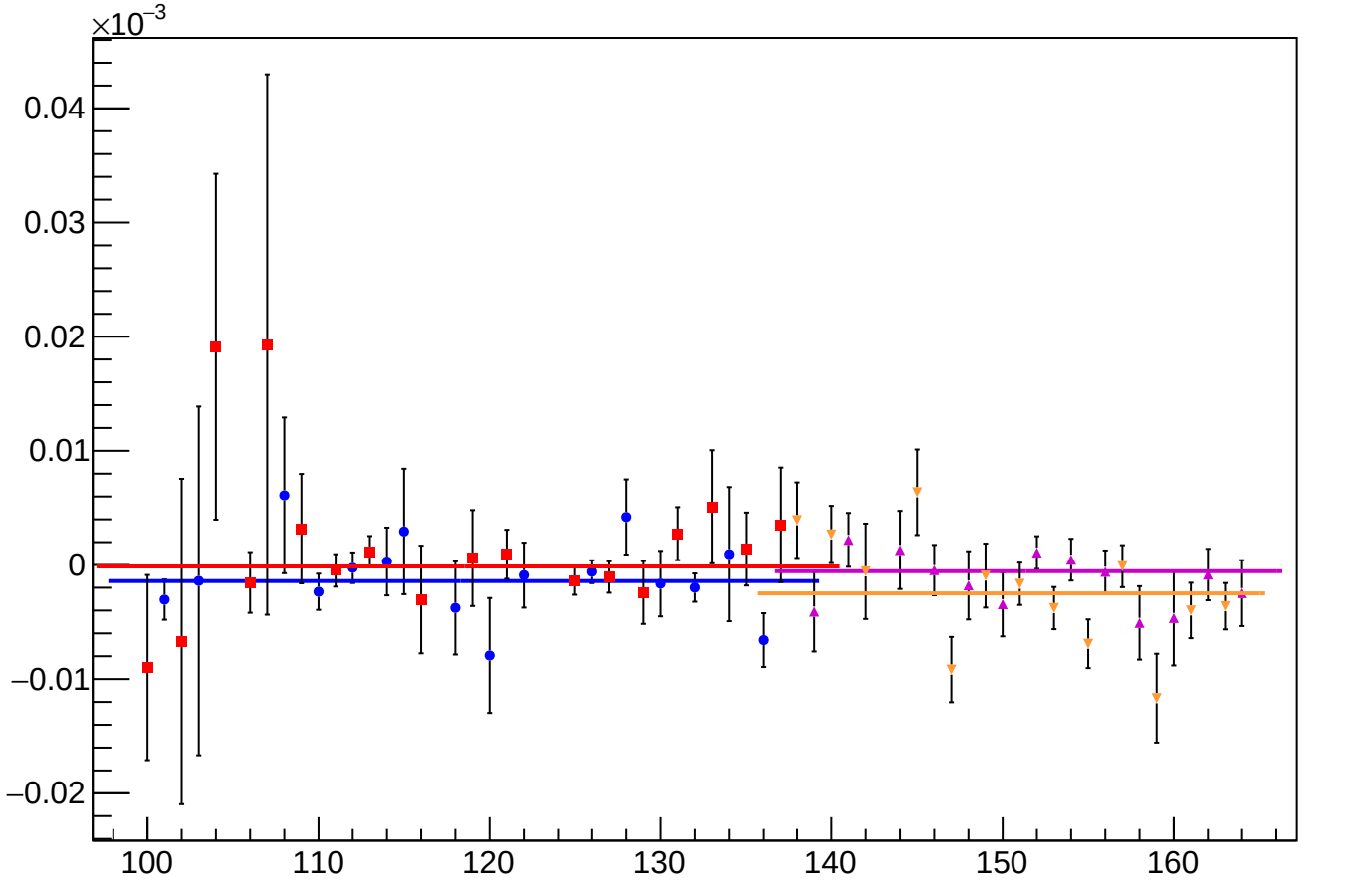
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

+ sign 48.134+/-0.009 χ^2/NDF: 3784985.9/28

All: 48.833+/-0.007 χ^2/NDF: 7796868.4/59

- 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:32.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

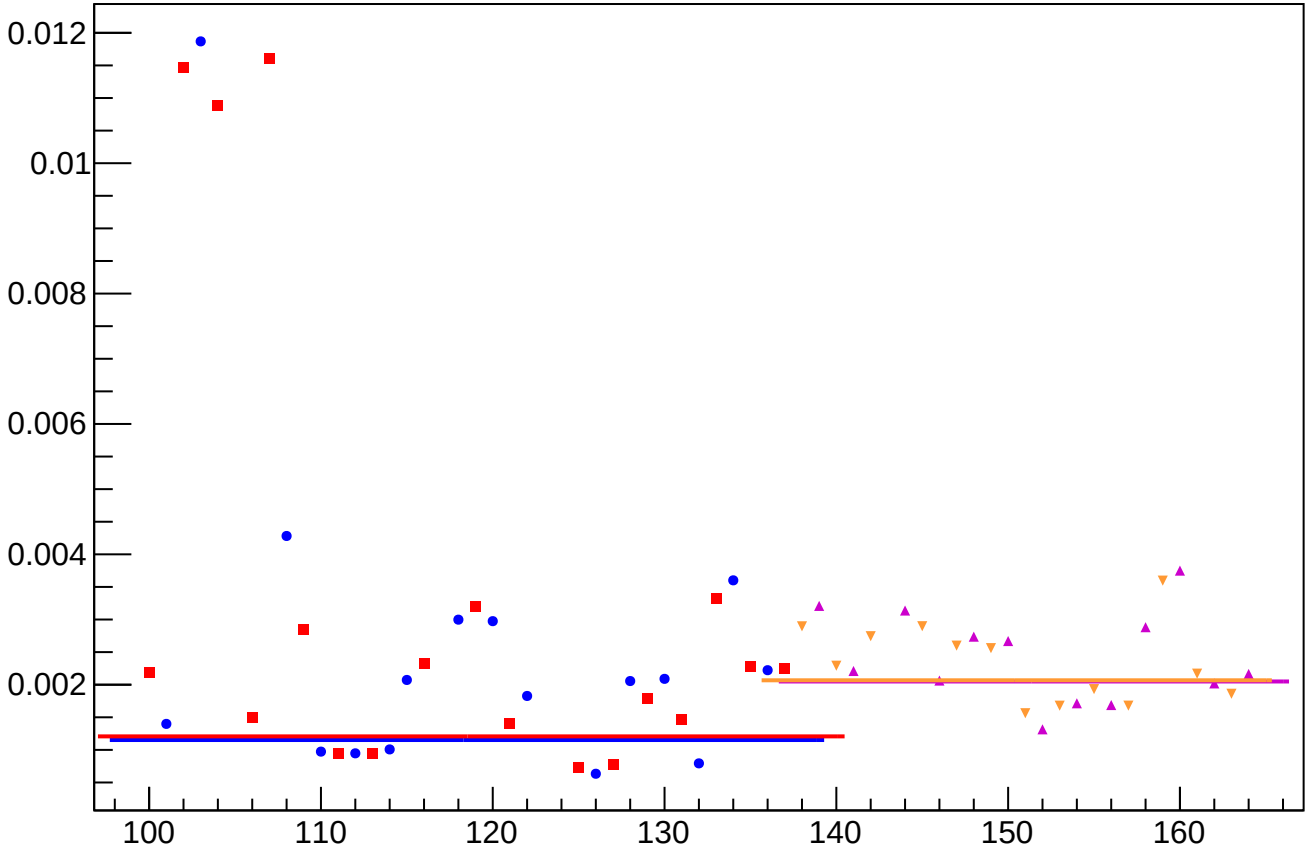
Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/28

All: -0.000+/-0.000 χ^2/NDF: 76.4/59

- sign -0.000+/-0.000 χ^2/NDF: 20.8/30

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1090474.5/12

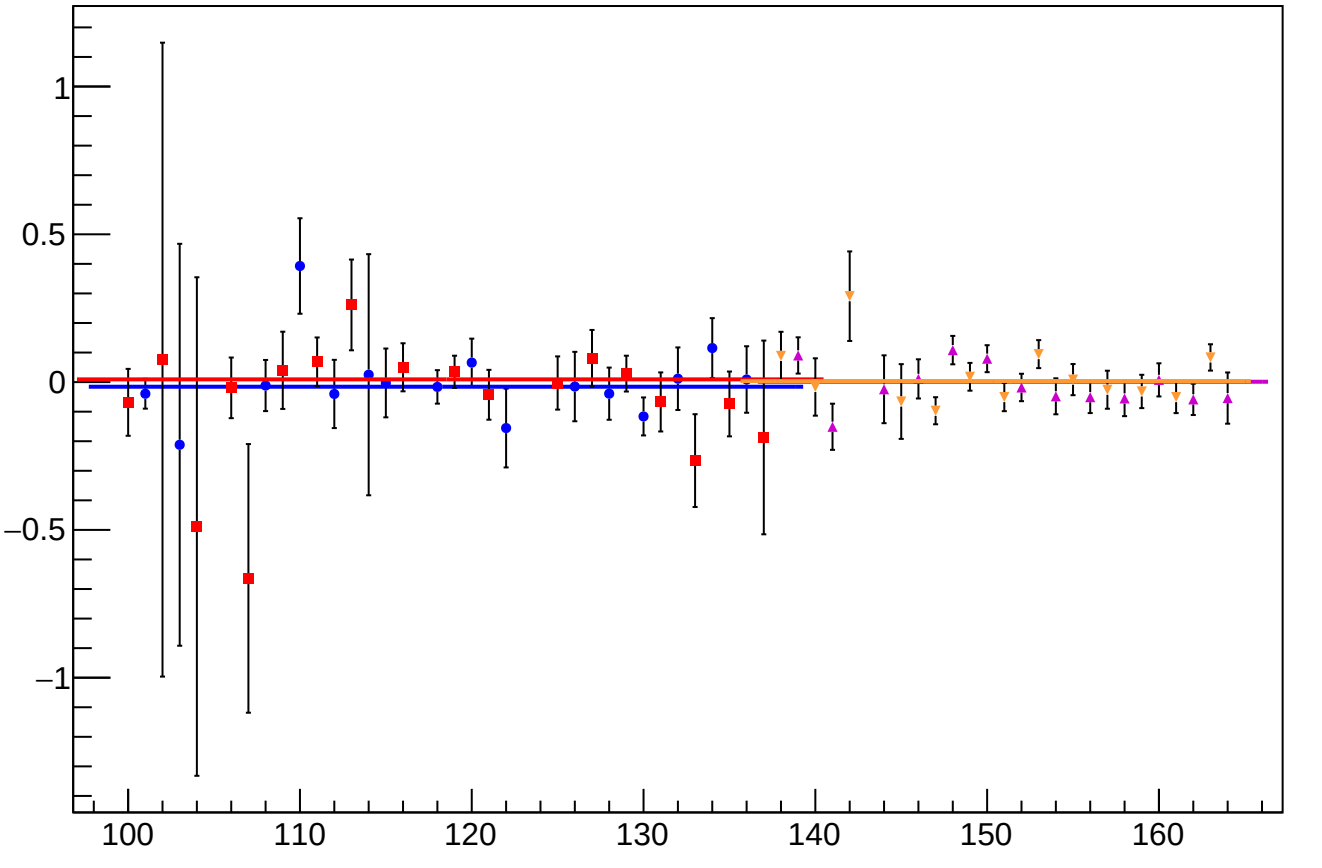
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1775261.0/12

+ sign 0.001+/-0.000 χ^2/NDF: 7606985.7/28

All: 0.002+/-0.000 χ^2/NDF: 15853462.6/59

- sign 0.002+/-0.000 χ^2/NDF: 8218457.2/30



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

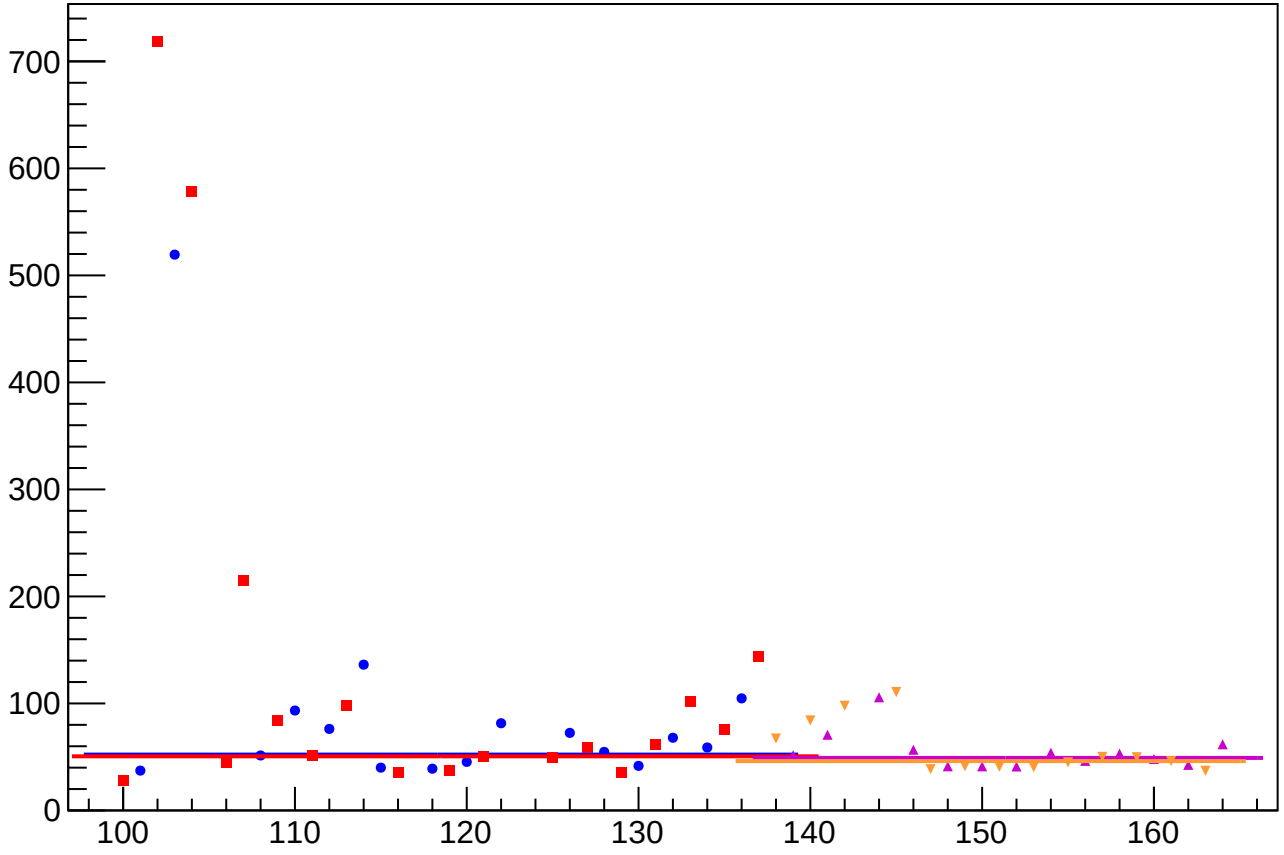
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.000+/-0.009 χ^2/NDF: 64.3/59

- 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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

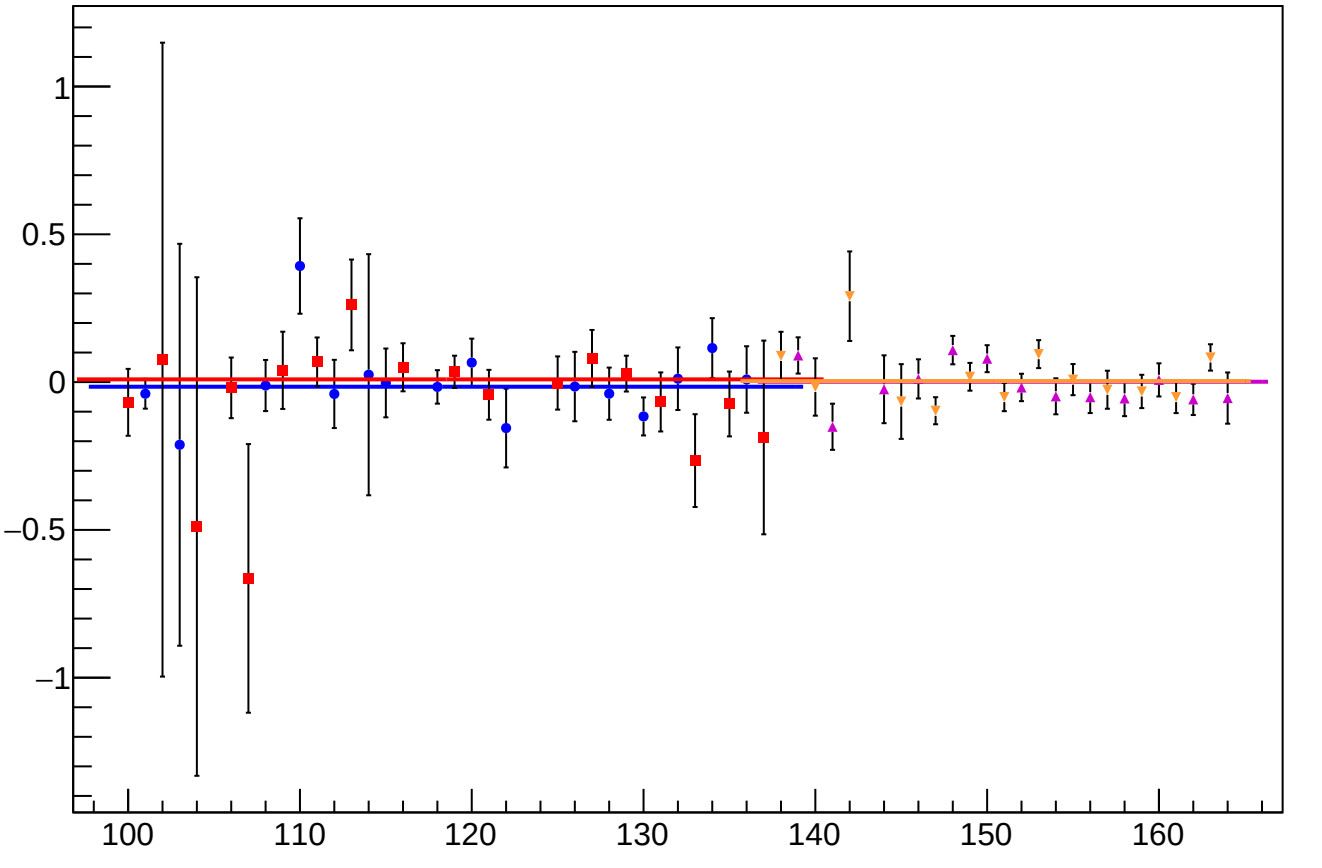
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

+ sign 48.134+/-0.009 χ^2/NDF: 3784969.5/28

All: 48.833+/-0.007 χ^2/NDF: 7796838.4/59

- 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: 0.003+/-0.016 χ^2/NDF:19.7/12

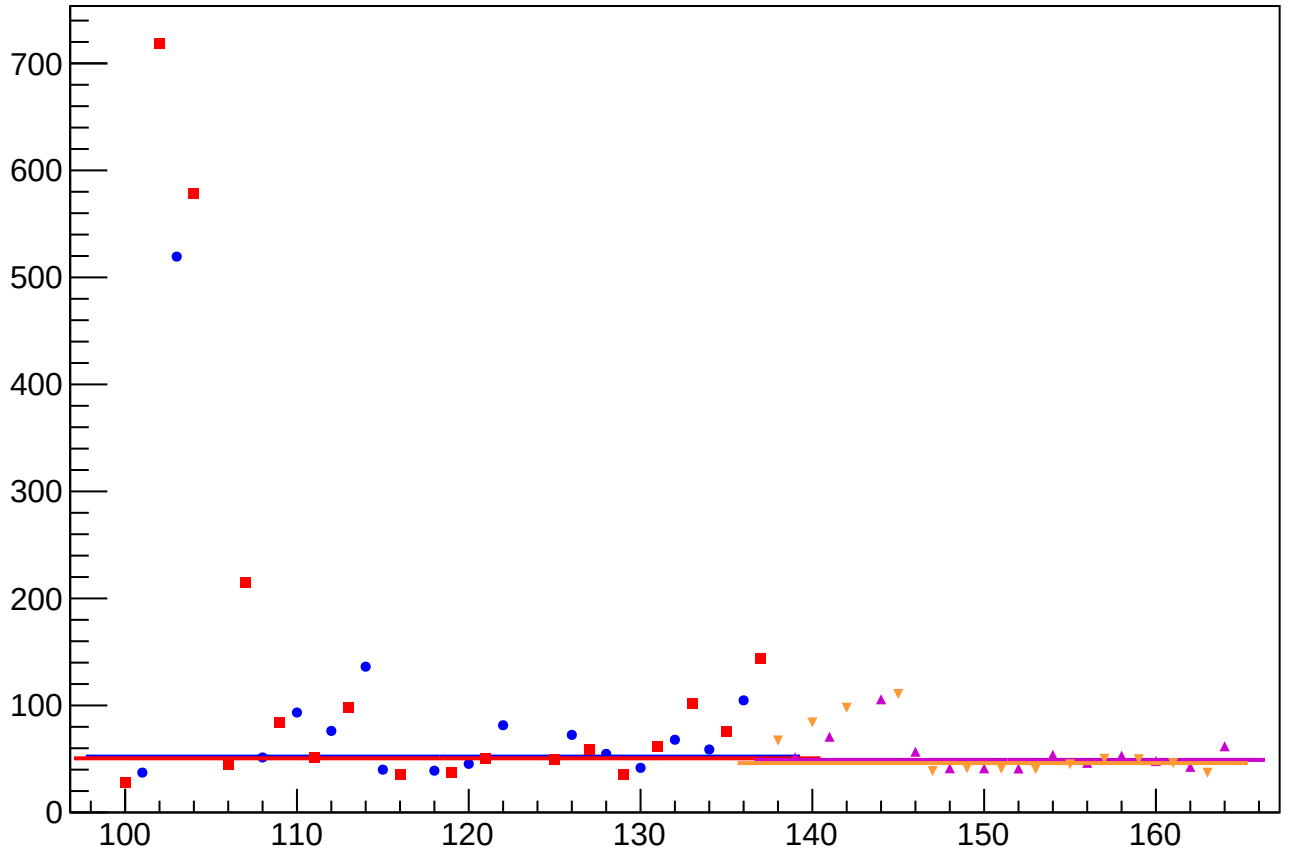
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.000+/-0.009 χ^2/NDF: 64.3/59

- 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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

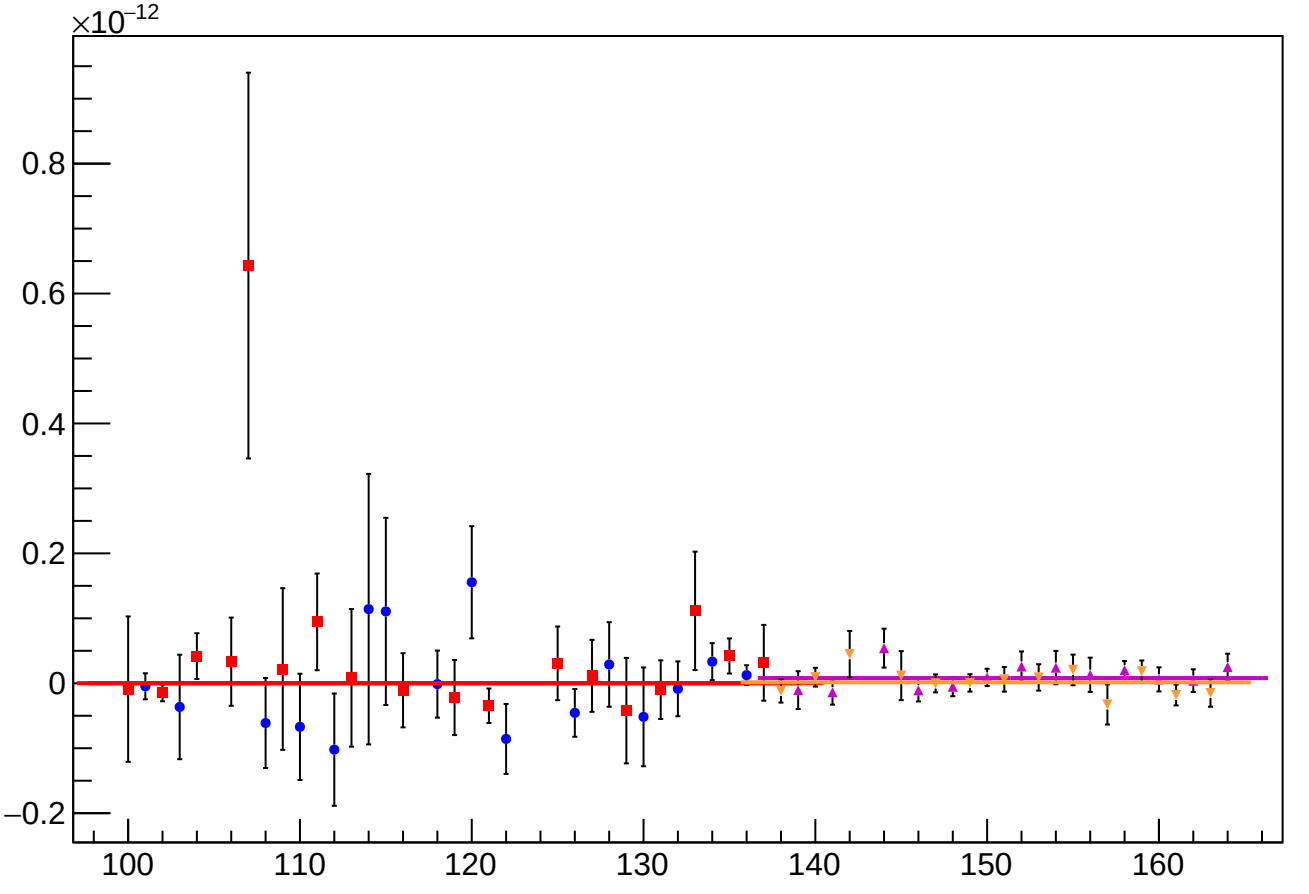
Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

+ sign 48.134+/-0.009 χ^2/NDF: 3784969.5/28

All: 48.833+/-0.007 χ^2/NDF: 7796838.4/59

- sign 49.568+/-0.009 χ^2/NDF: 4000057.4/30

asym_usl_atl1_avg_eigen_cor_vs_cor_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:7.6/12

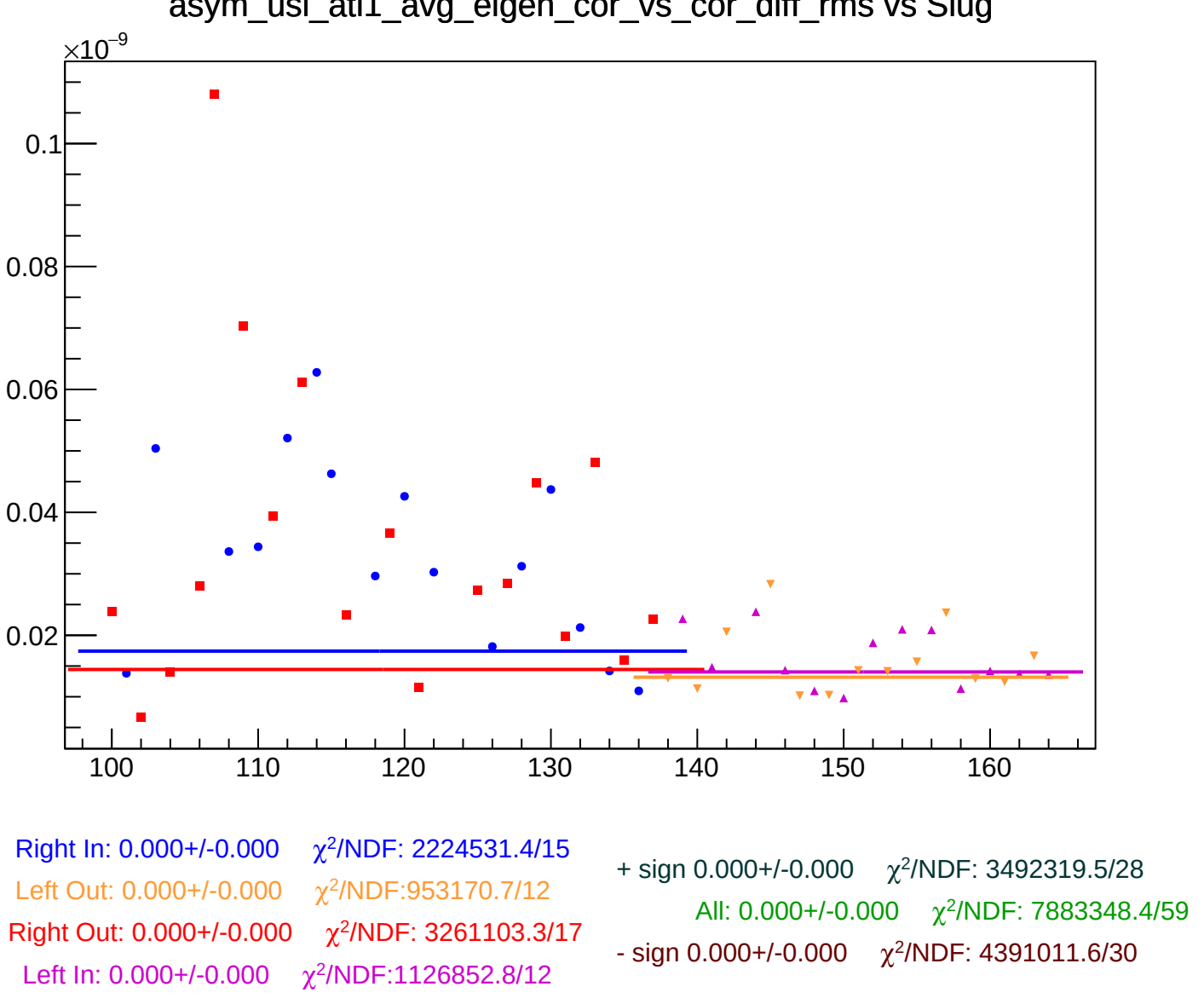
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/12

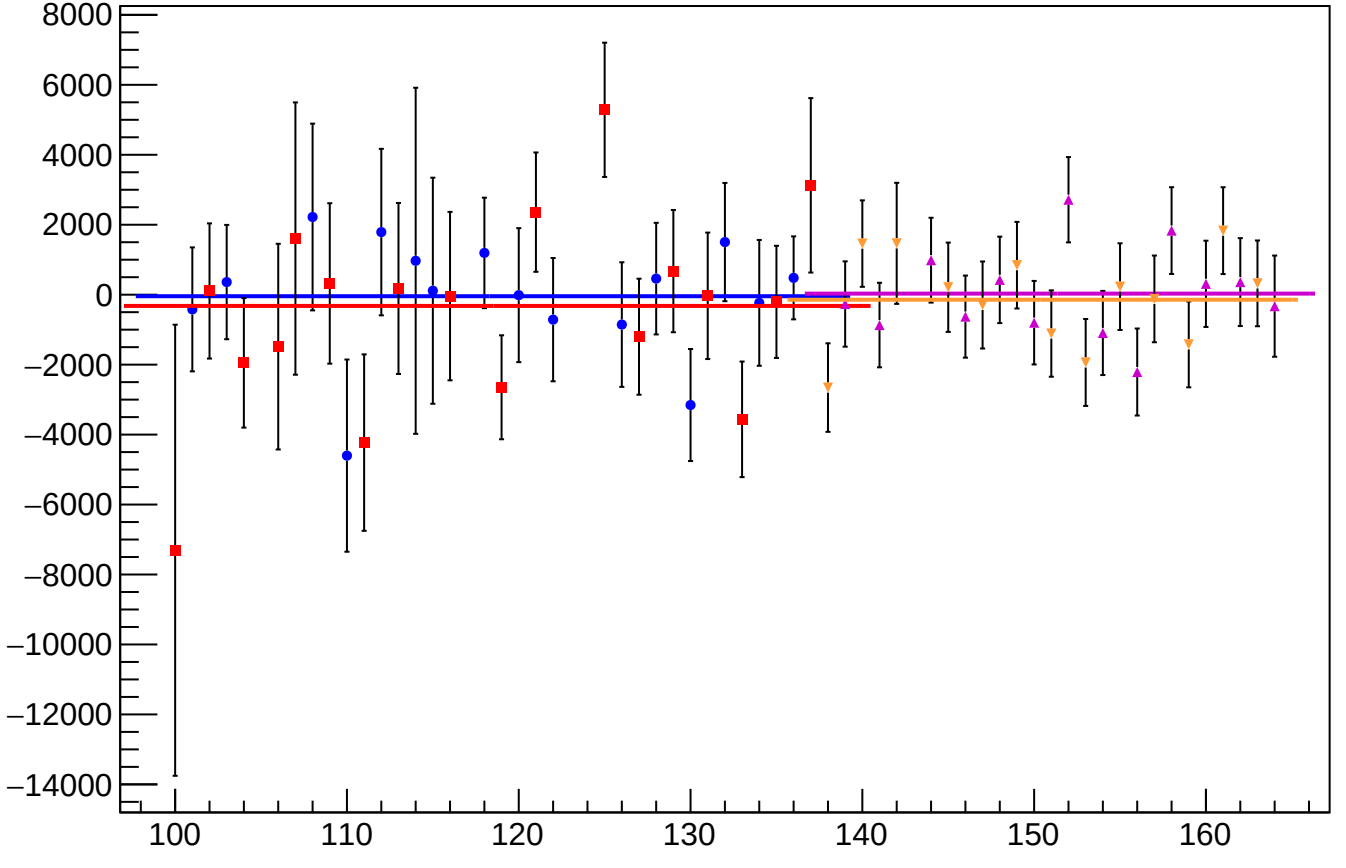
+ sign 0.000+/-0.000 χ^2/NDF: 21.7/28

All: 0.000+/-0.000 χ^2/NDF: 47.5/59

- 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:953170.7/12
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: 3492319.5/28
All: 0.000+/-0.000 χ²/NDF: 7883348.4/59
- 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: -144.246+/-351.183 χ^2/NDF:13.8/12

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

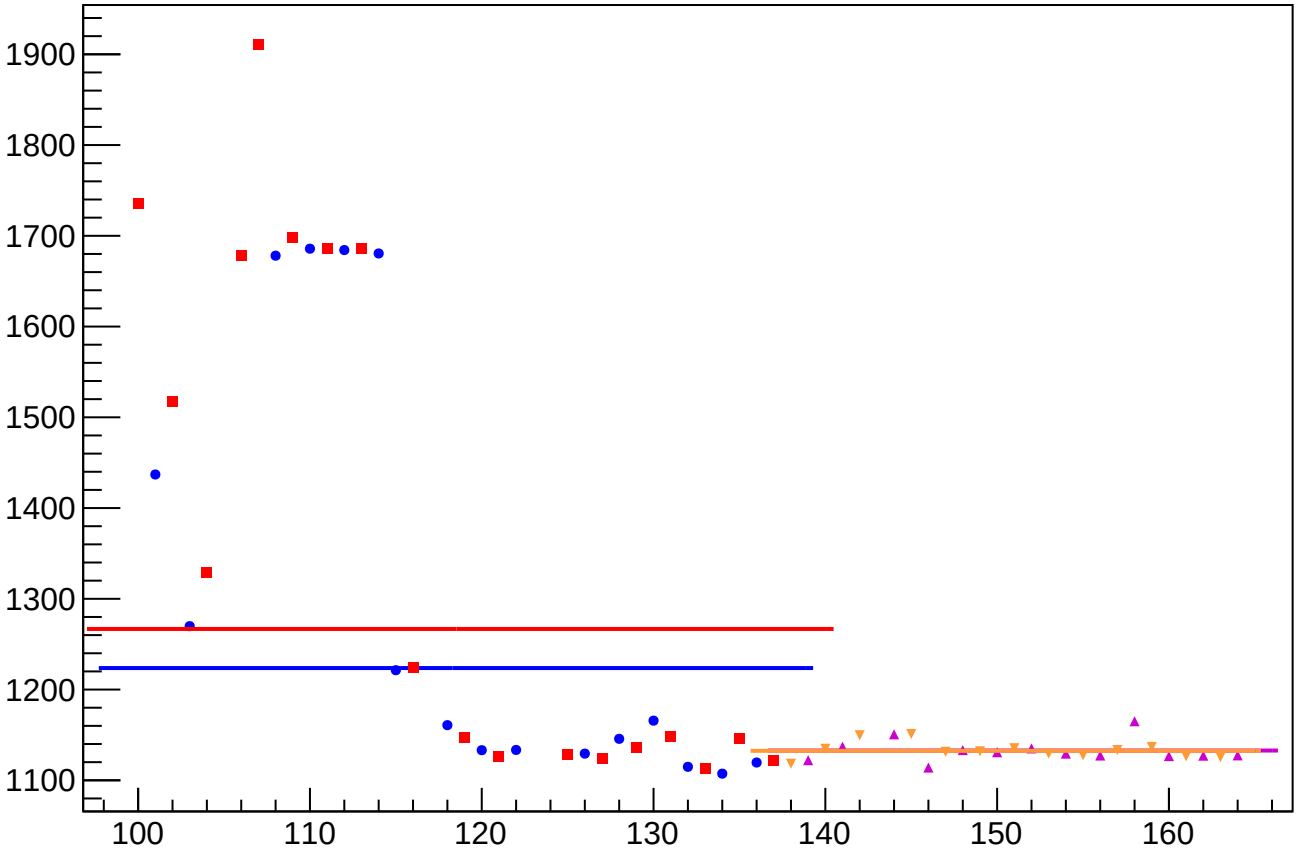
Left In: 30.922+/-342.025 χ^2/NDF:13.4/12

+ sign -107.136+/-278.961 χ^2/NDF: 23.9/28

All: -98.198+/-196.753 χ^2/NDF: 62.4/59

- 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: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

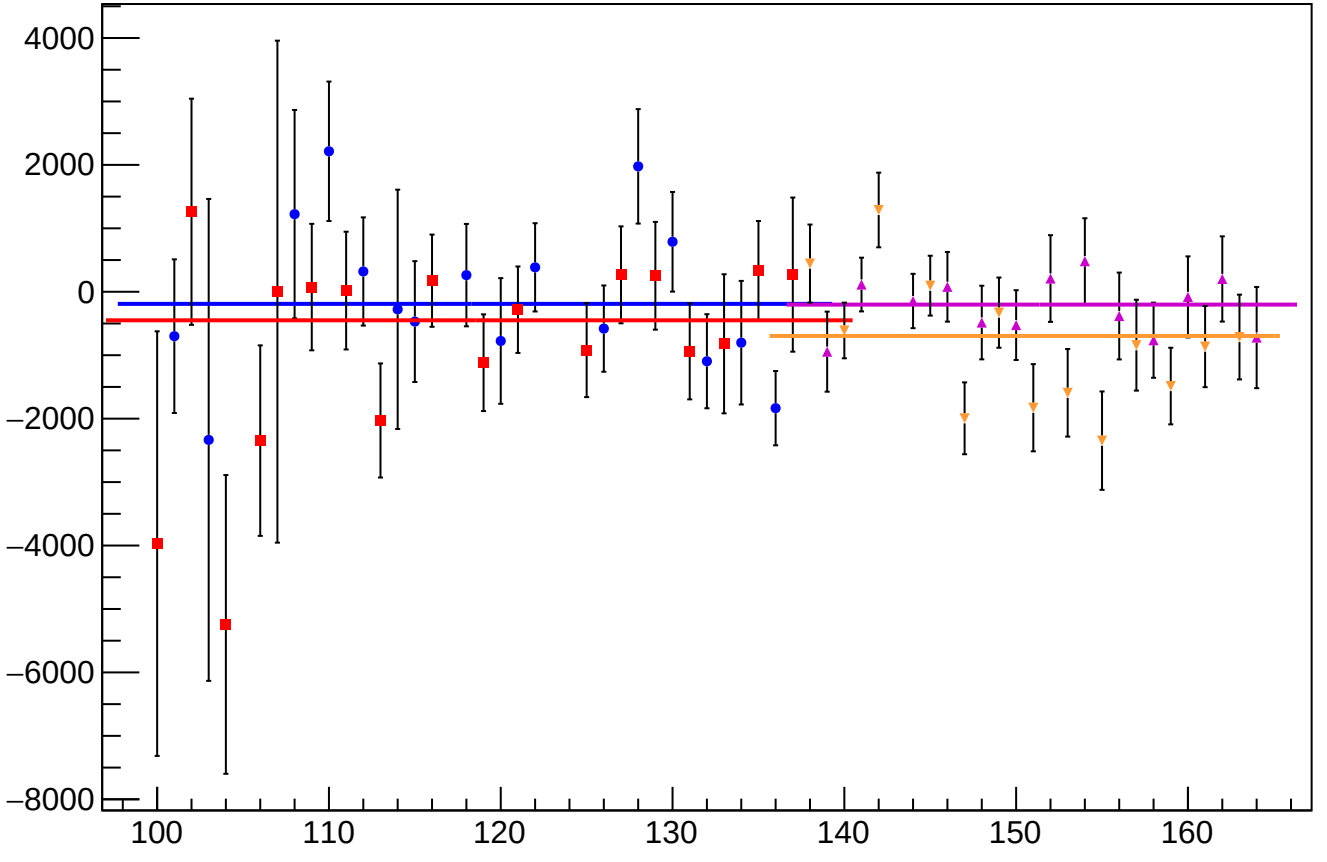
Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.5/28

All: 1172.396+/-0.139 χ^2/NDF: 888073.3/59

- 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: -696.563+/-164.699 χ^2/NDF:34.1/12

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

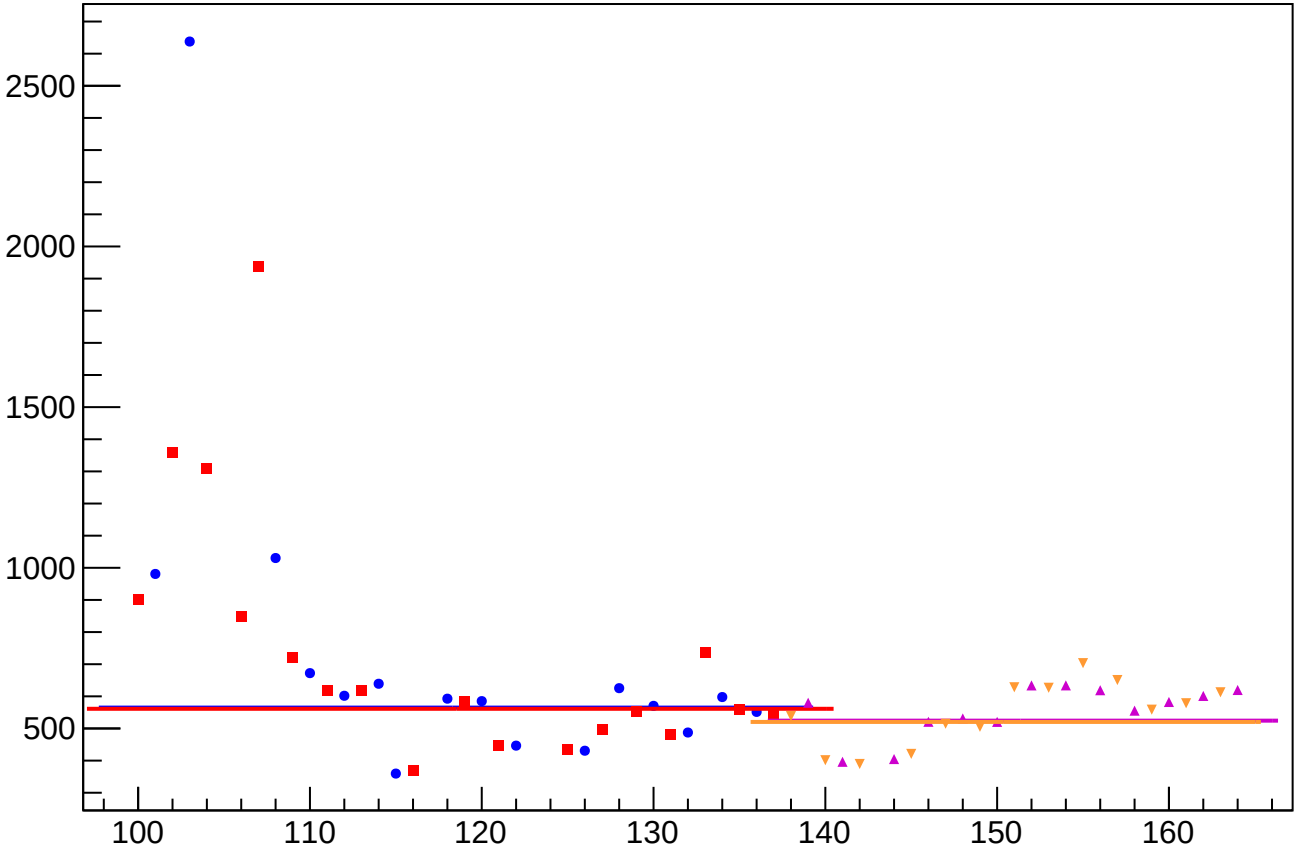
Left In: -202.298+/-160.793 χ^2/NDF:6.0/12

+ sign -517.860+/-132.456 χ^2/NDF: 62.7/28

All: -400.619+/-92.949 χ^2/NDF: 87.9/59

- 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: 520.364+/-0.116 χ^2/NDF:675658.2/12

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

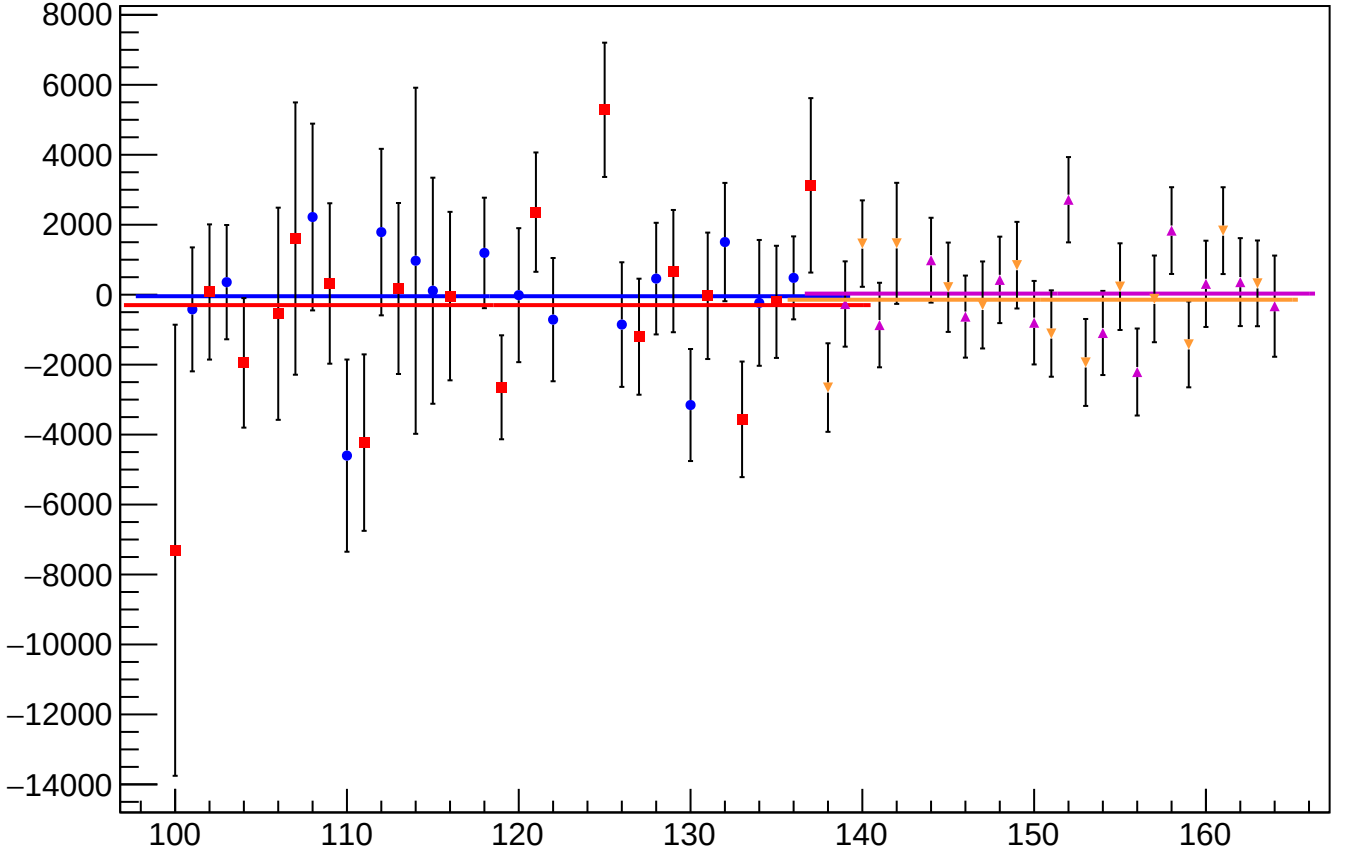
Left In: 524.337+/-0.114 χ^2/NDF:573837.1/12

+ sign 536.116+/-0.094 χ^2/NDF: 2011927.6/28

All: 536.537+/-0.066 χ^2/NDF: 3974043.1/59

- 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: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

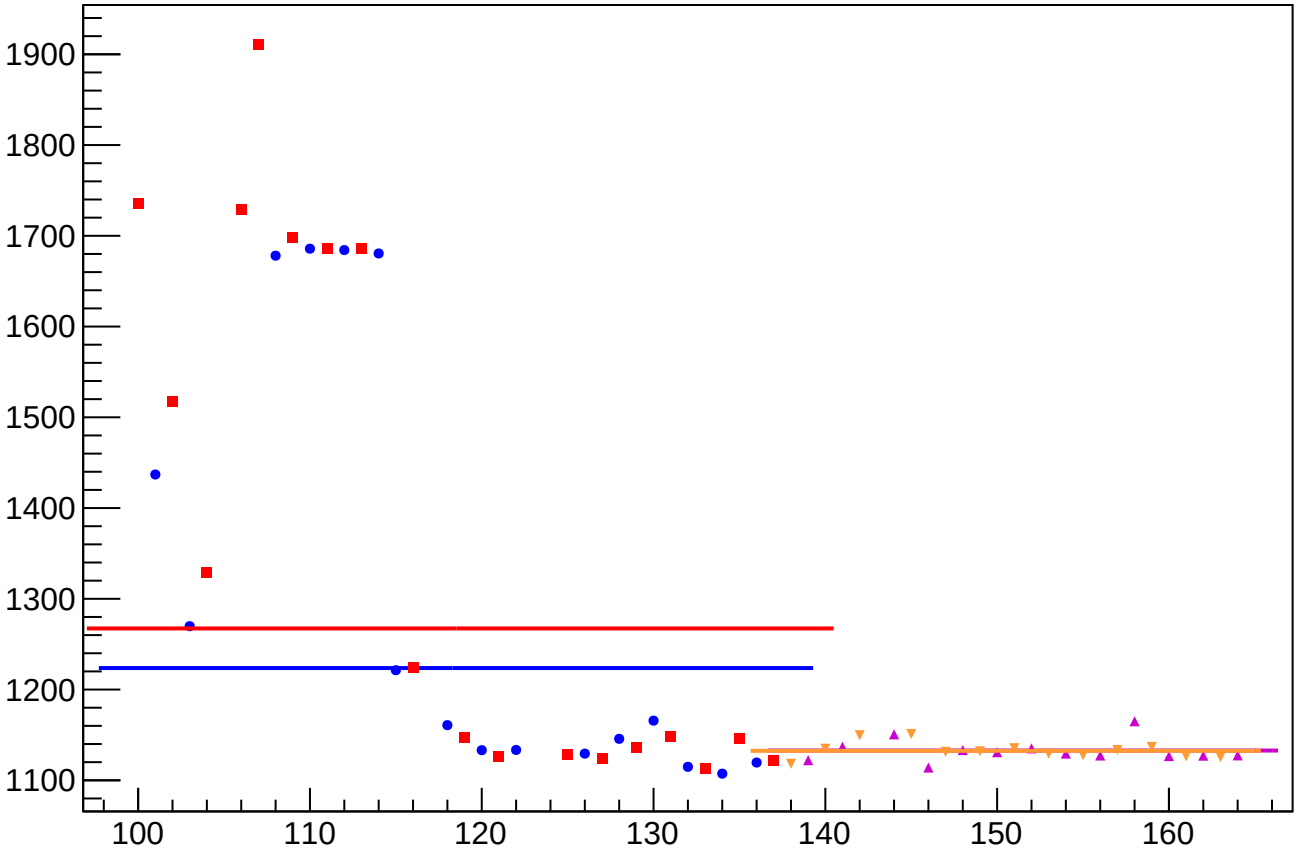
Left In: 30.937+/-342.025 χ^2/NDF:13.4/12

+ sign -107.189+/-278.961 χ^2/NDF: 23.9/28

All: -94.207+/-196.780 χ^2/NDF: 62.2/59

- 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: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

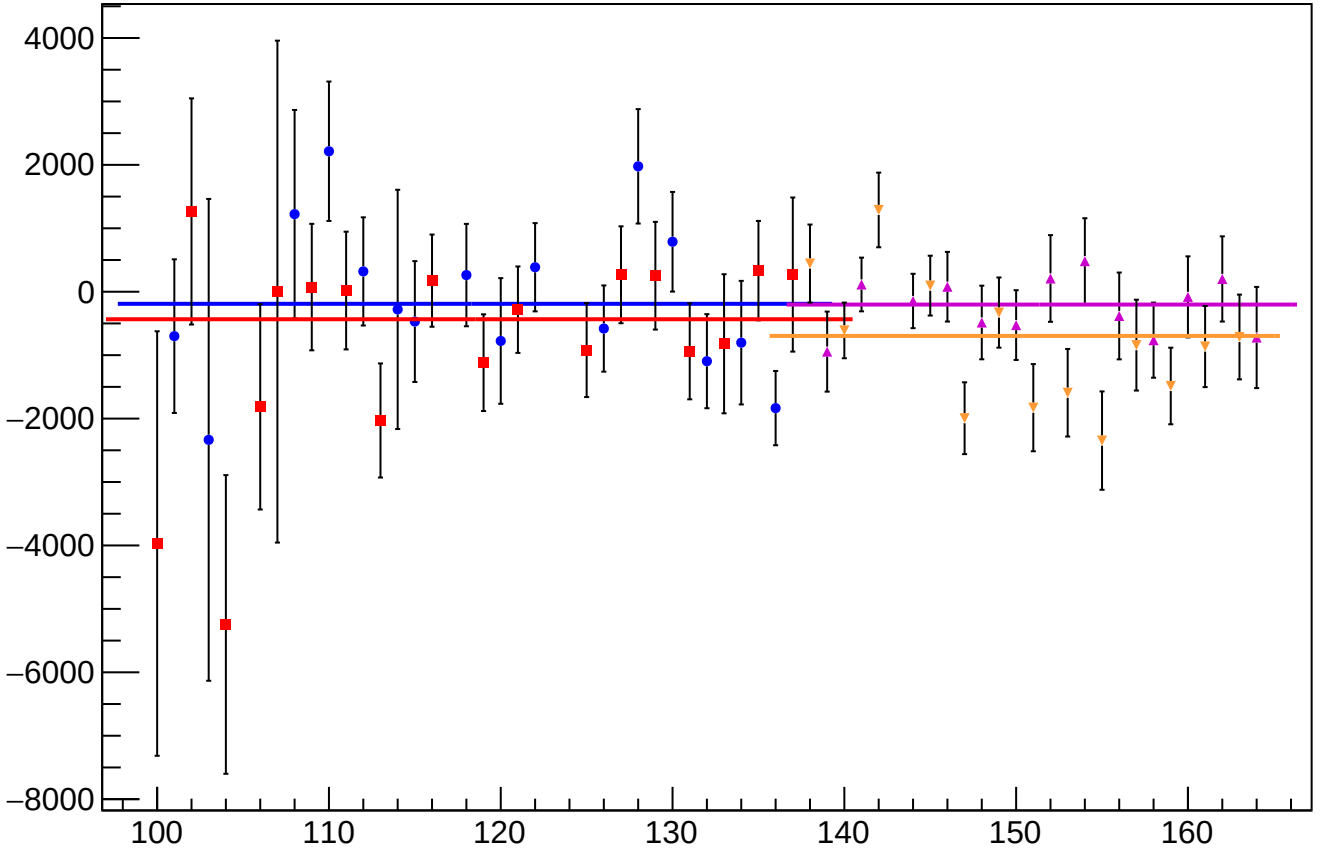
Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.6/28

All: 1172.470+/-0.139 χ^2/NDF: 896063.3/59

- 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: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

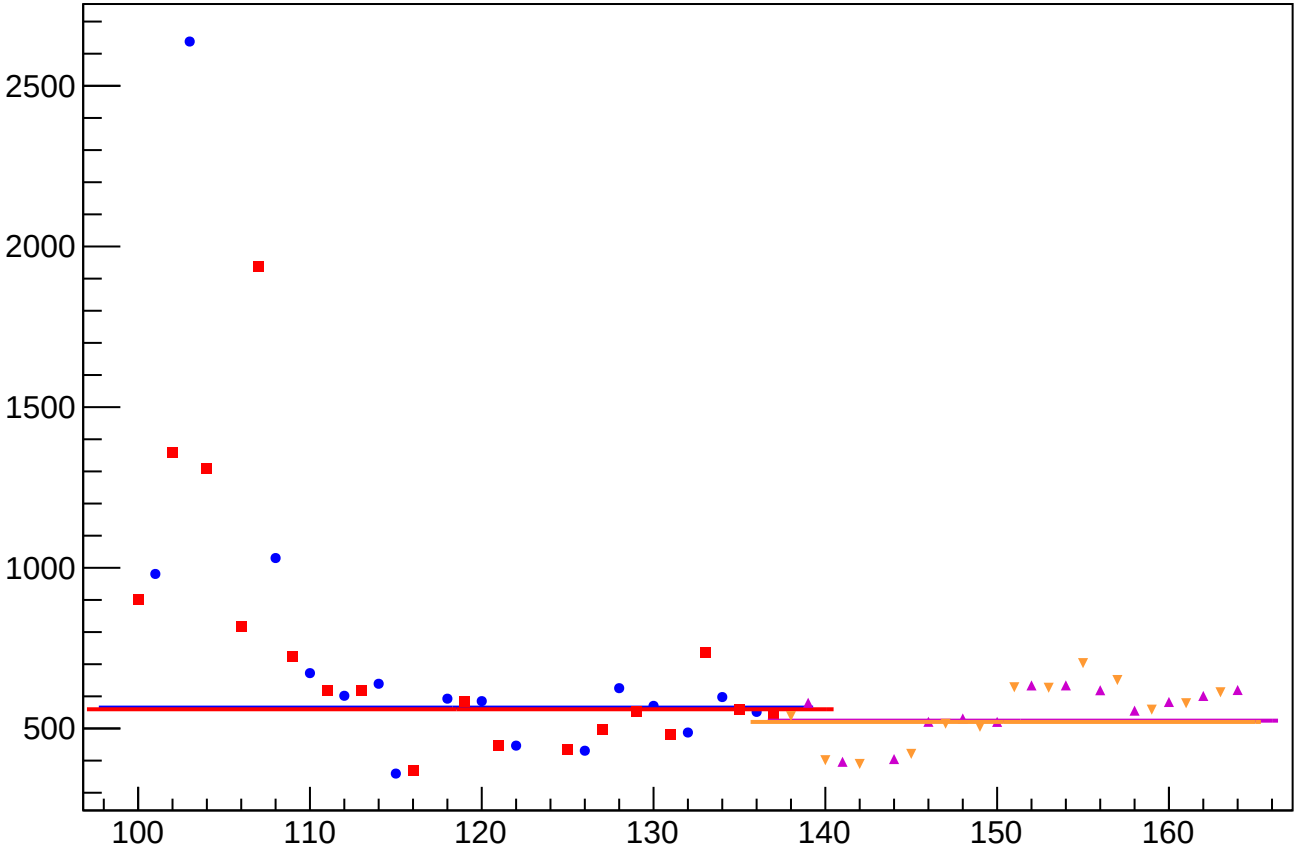
Left In: -202.309+/-160.793 χ^2/NDF:6.0/12

+ sign -517.866+/-132.455 χ^2/NDF: 62.7/28

All: -397.837+/-92.973 χ^2/NDF: 87.0/59

- 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: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

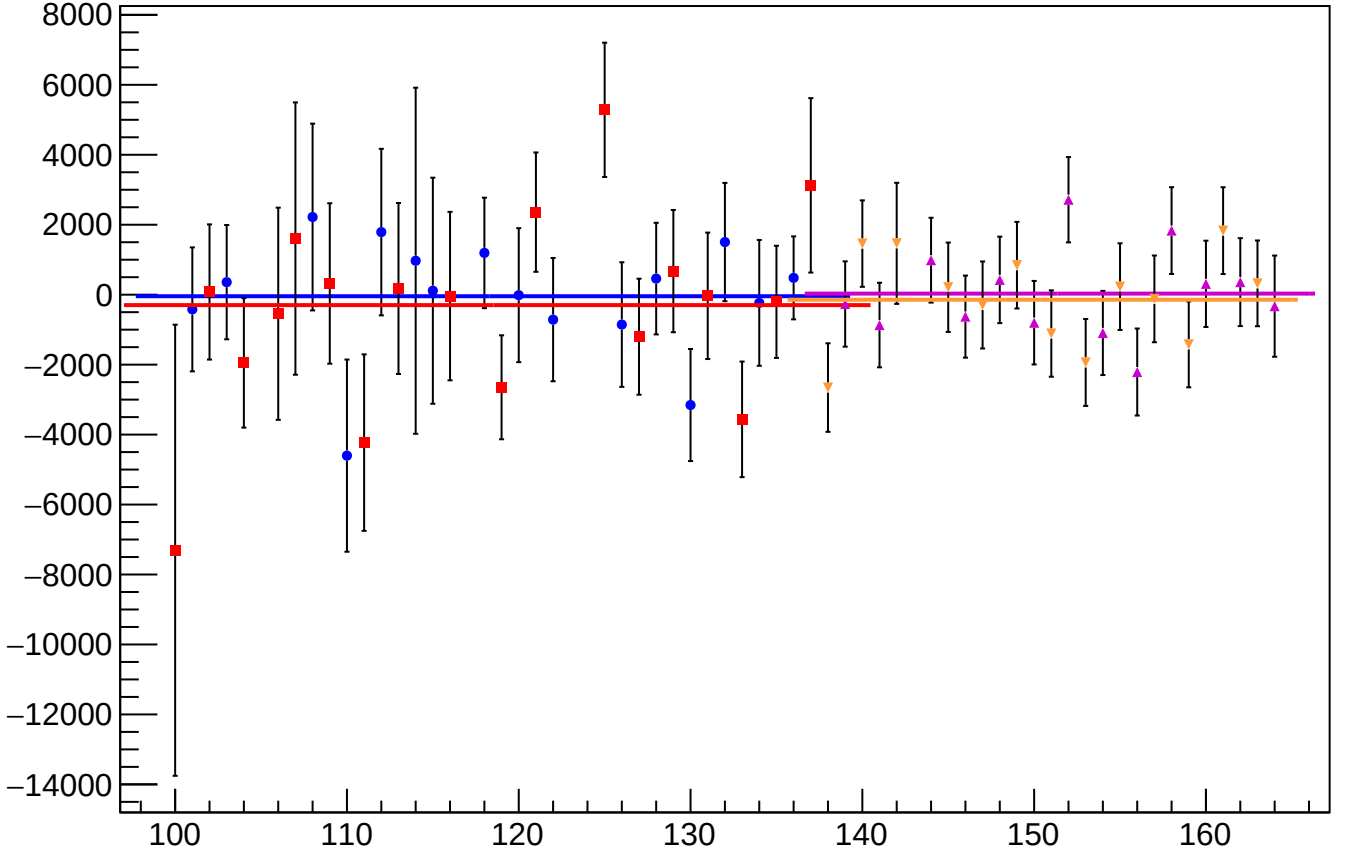
Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

+ sign 536.113+/-0.094 χ^2/NDF: 2011872.3/28

All: 536.266+/-0.066 χ^2/NDF: 3948122.8/59

- 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: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

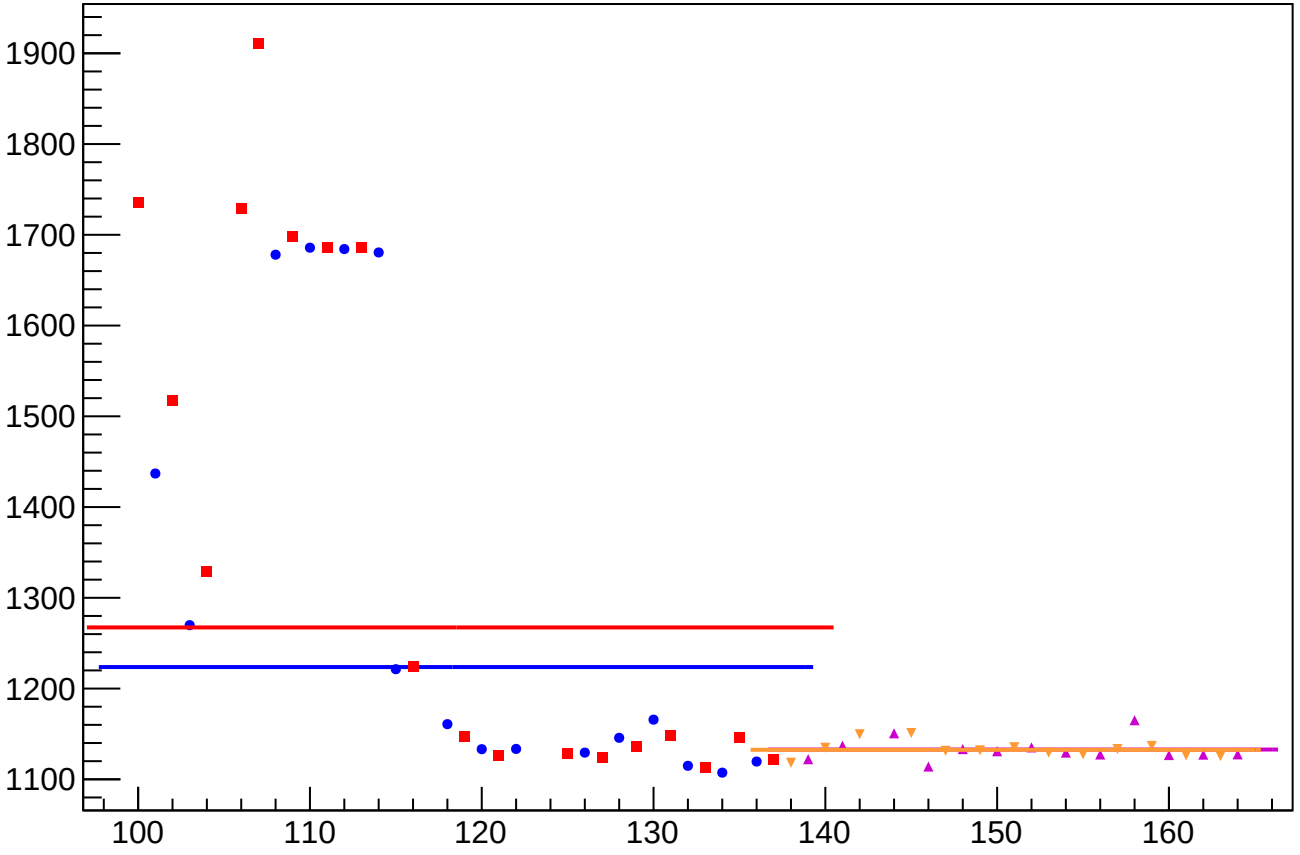
Left In: 30.937+/-342.025 χ^2/NDF:13.4/12

+ sign -107.189+/-278.961 χ^2/NDF: 23.9/28

All: -94.207+/-196.780 χ^2/NDF: 62.2/59

- 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: 1132.507+/-0.248 χ^2/NDF:1071.3/12

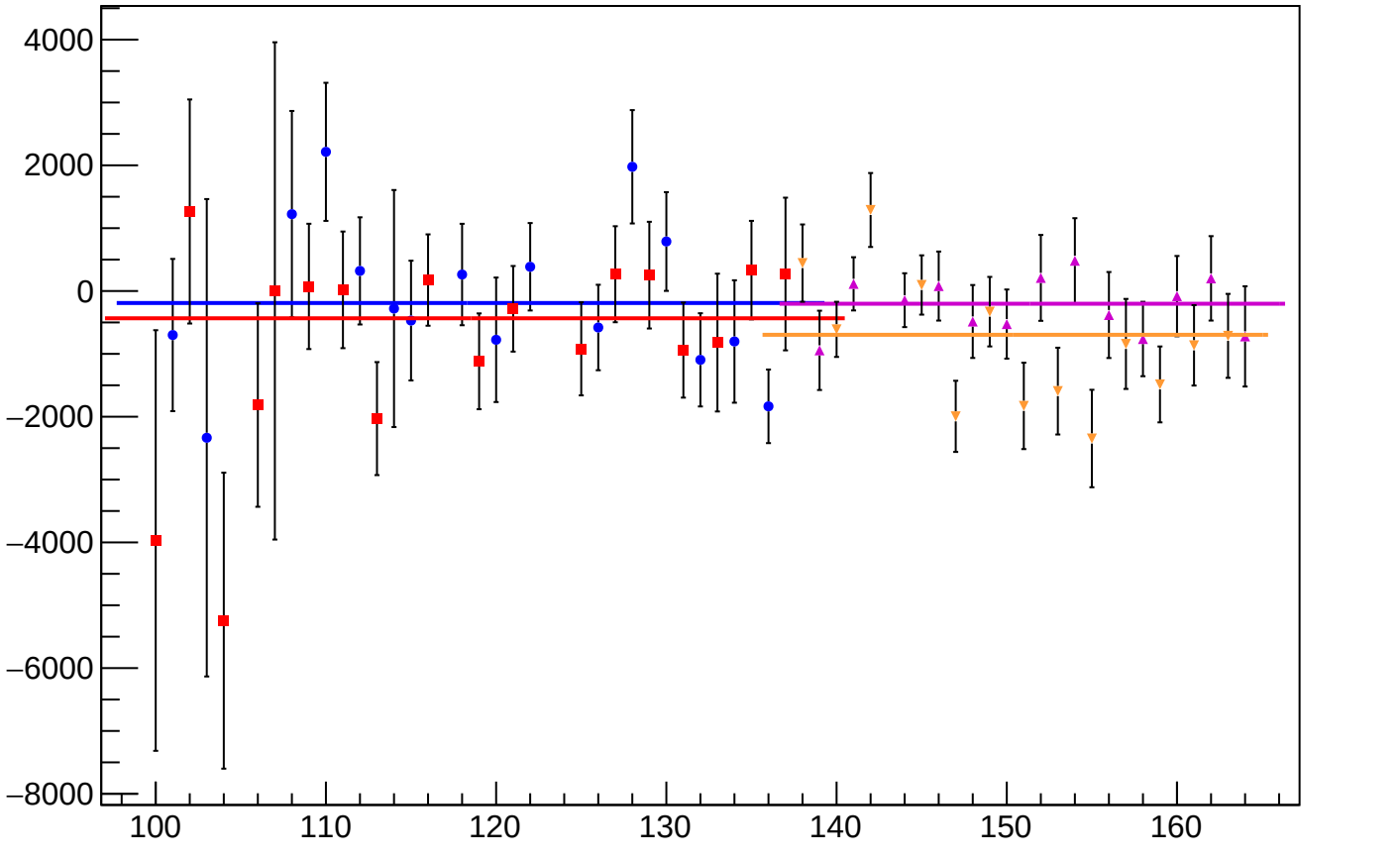
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.6/28

All: 1172.470+/-0.139 χ^2/NDF: 896063.3/59

- 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: -696.567+/-164.698 χ^2/NDF:34.1/12

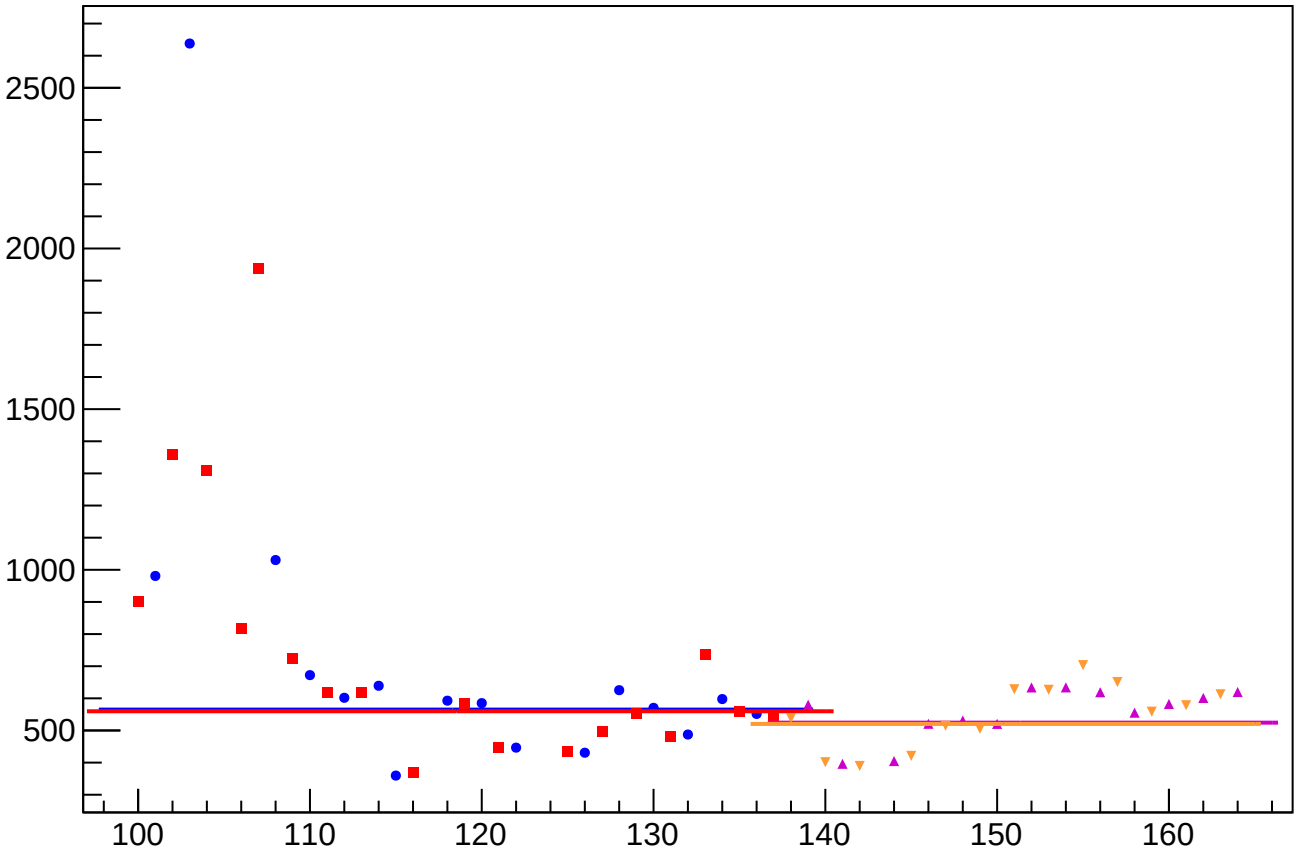
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -202.309+/-160.793 χ^2/NDF:6.0/12

\+ sign -517.866+/-132.455 χ^2/NDF: 62.7/28

All: -397.837+/-92.973 χ^2/NDF: 87.0/59

\- 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: 520.362+/-0.116 χ^2/NDF:675630.4/12

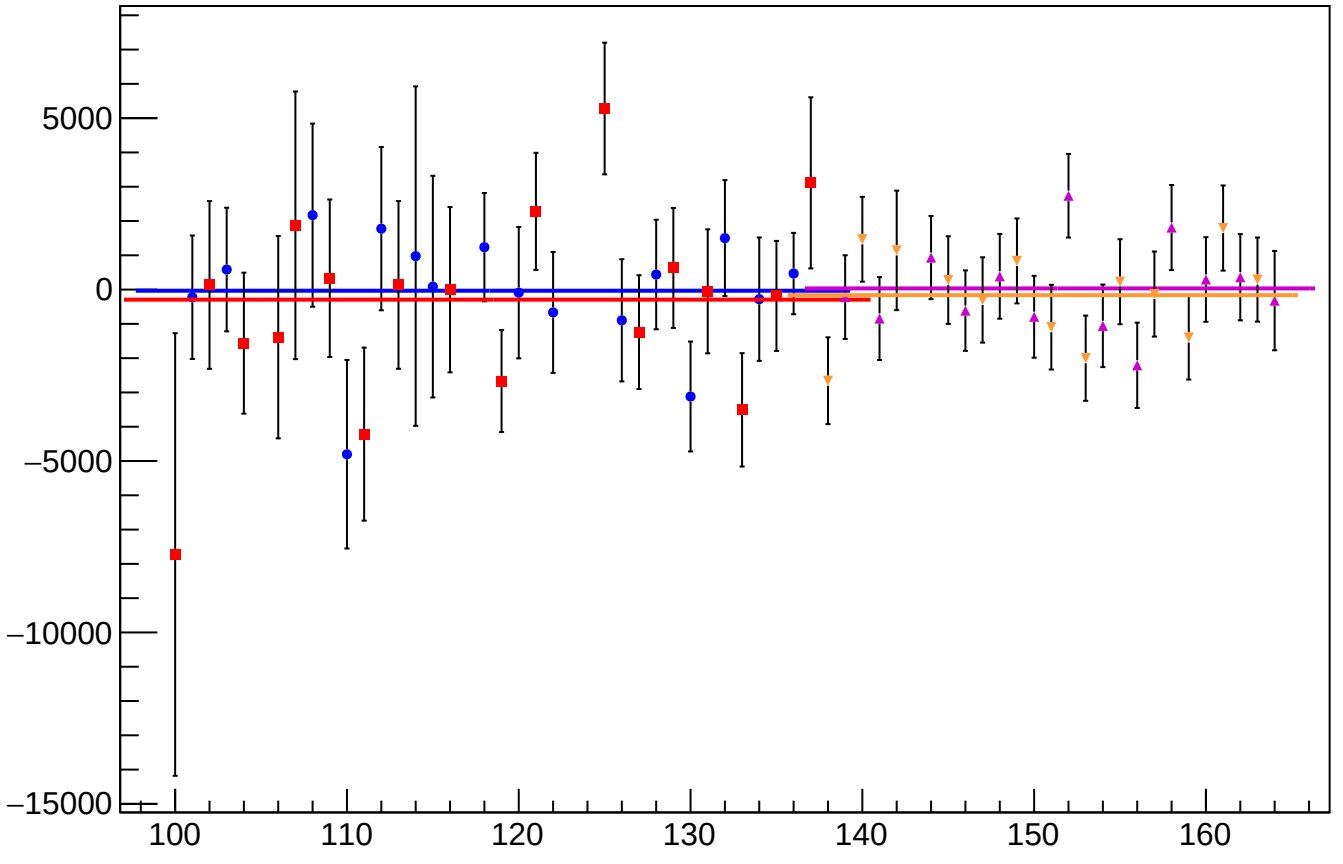
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

+ sign 536.113+/-0.094 χ^2/NDF: 2011872.3/28

All: 536.266+/-0.066 χ^2/NDF: 3948122.8/59

- 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: -162.555+/-351.418 χ^2/NDF:13.5/12

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

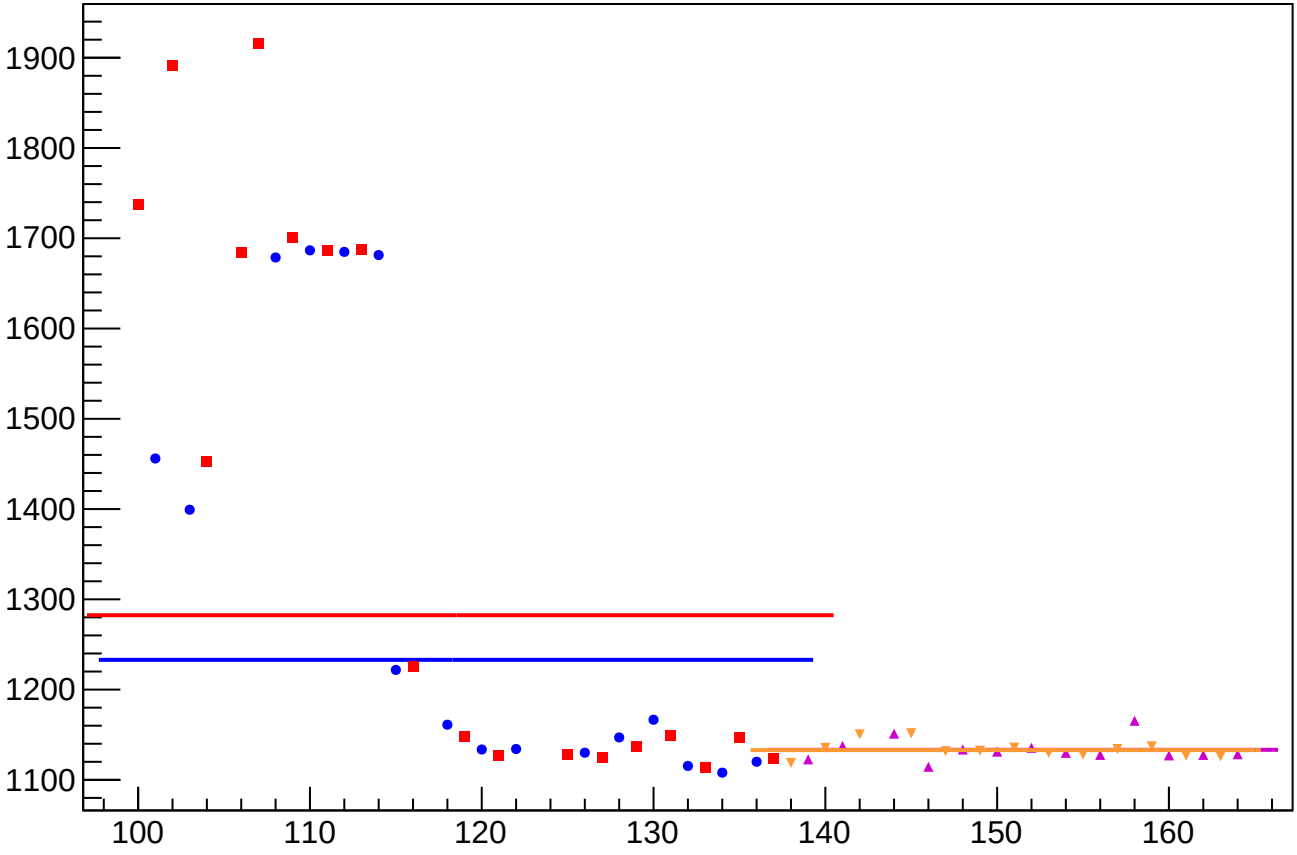
Left In: 33.956+/-342.161 χ^2/NDF:13.2/12

+ sign -115.251+/-279.968 χ^2/NDF: 23.8/28

All: -95.169+/-197.753 χ^2/NDF: 61.5/59

- 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: 1132.964+/-0.248 χ^2/NDF:1083.1/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

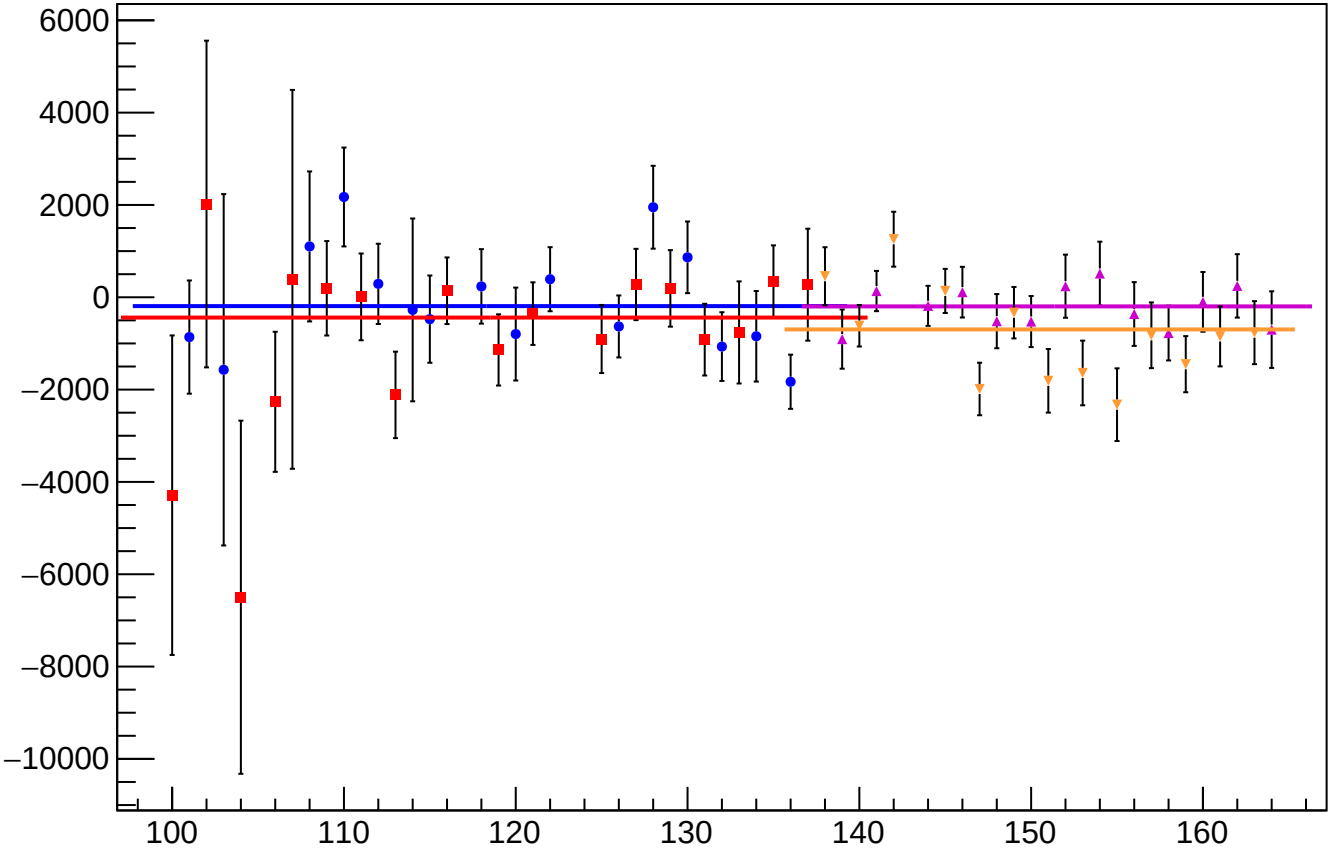
Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

+ sign 1169.495+/-0.198 χ^2/NDF: 375715.0/28

All: 1176.257+/-0.140 χ^2/NDF: 1050766.6/59

- 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: -696.916+/-166.752 χ^2/NDF:33.2/12

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

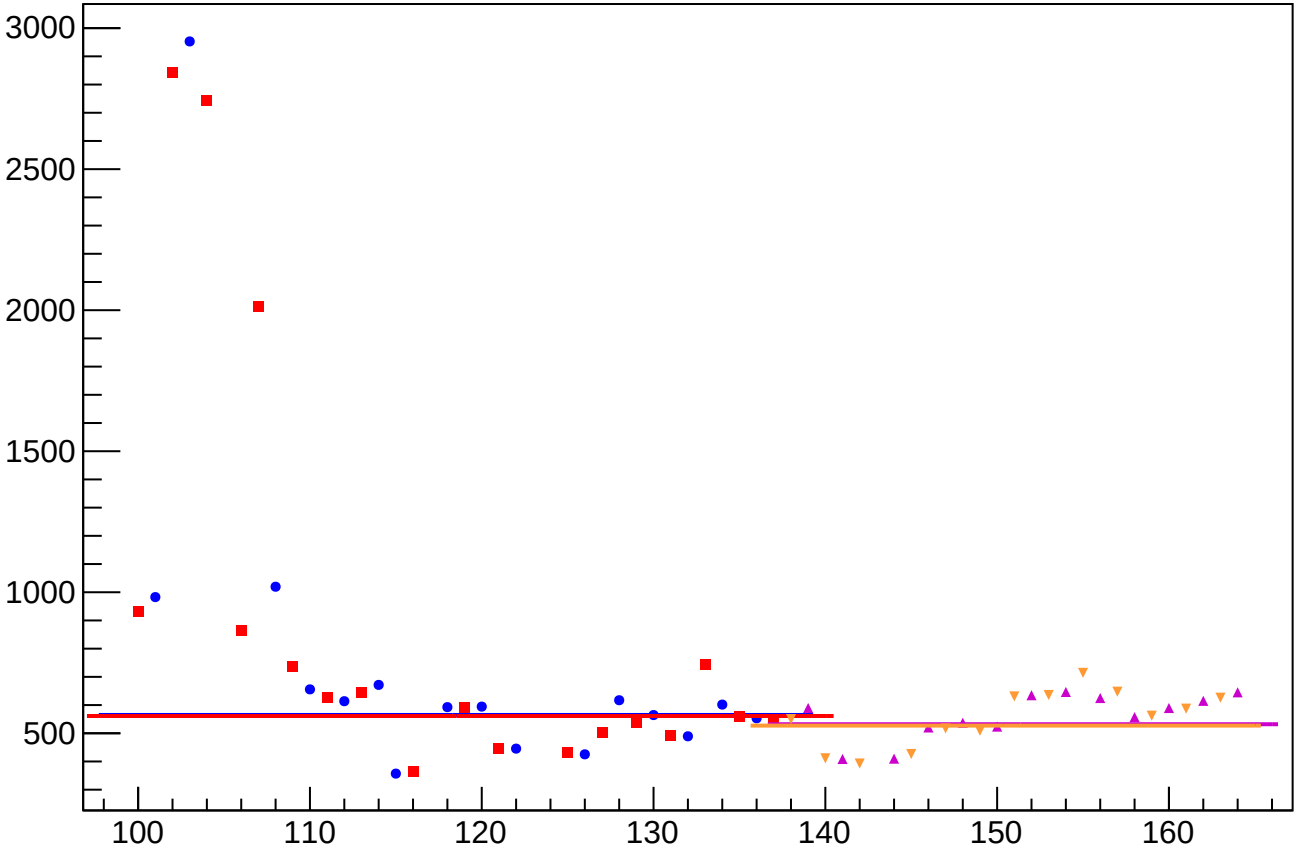
Left In: -197.450+/-163.034 χ^2/NDF:6.1/12

+ sign -515.423+/-133.494 χ^2/NDF: 61.7/28

All: -396.715+/-93.984 χ^2/NDF: 84.8/59

- 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: 527.230+/-0.118 χ^2/NDF:658254.9/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

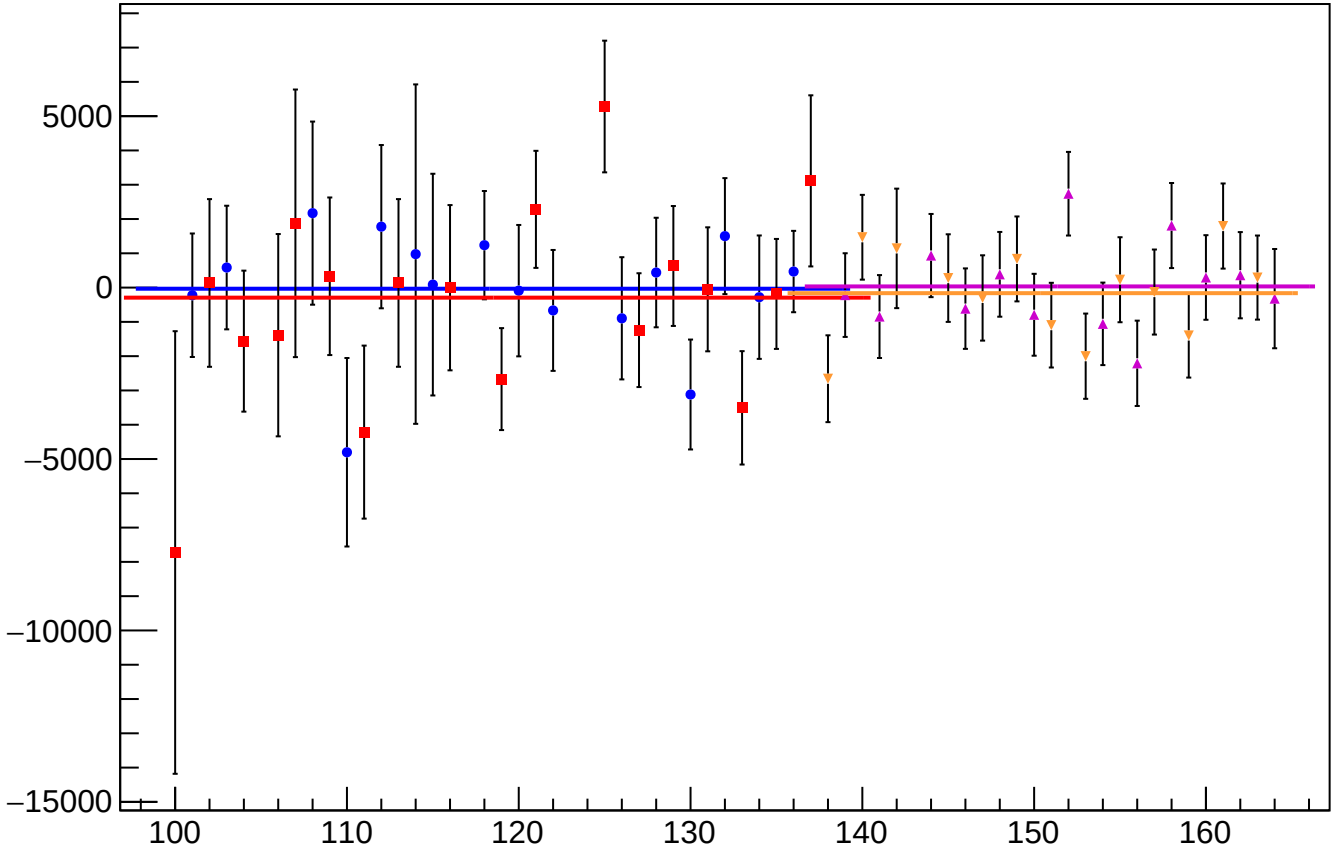
Left In: 532.041+/-0.115 χ^2/NDF:557504.1/12

+ sign 540.747+/-0.094 χ^2/NDF: 2175227.6/28

All: 541.385+/-0.066 χ^2/NDF: 5028124.3/59

- 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: -162.558+/-351.418 χ^2/NDF:13.5/12

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

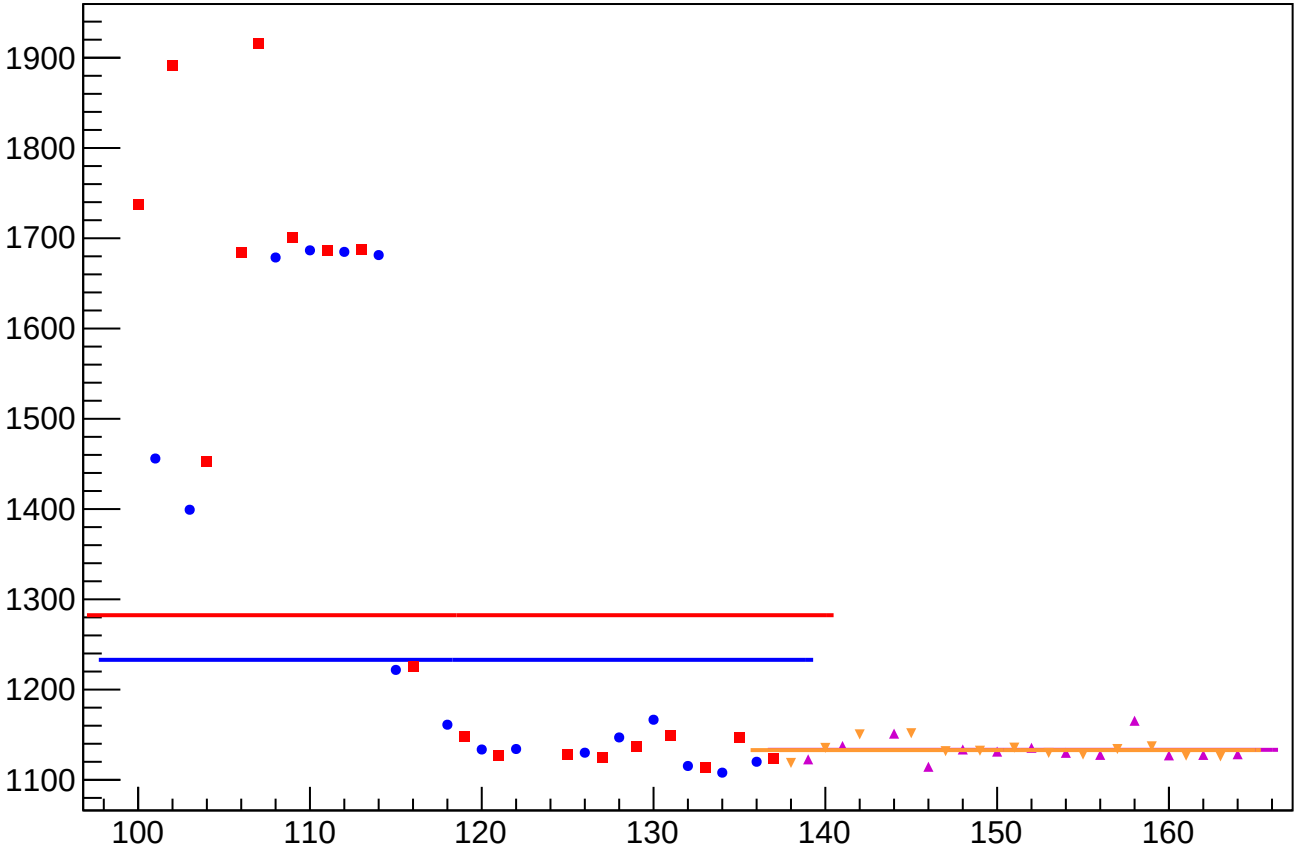
Left In: 33.955+/-342.161 χ^2/NDF:13.2/12

+ sign -115.253+/-279.968 χ^2/NDF: 23.8/28

All: -95.170+/-197.753 χ^2/NDF: 61.5/59

- 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: 1132.964+/-0.248 χ^2/NDF:1083.0/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

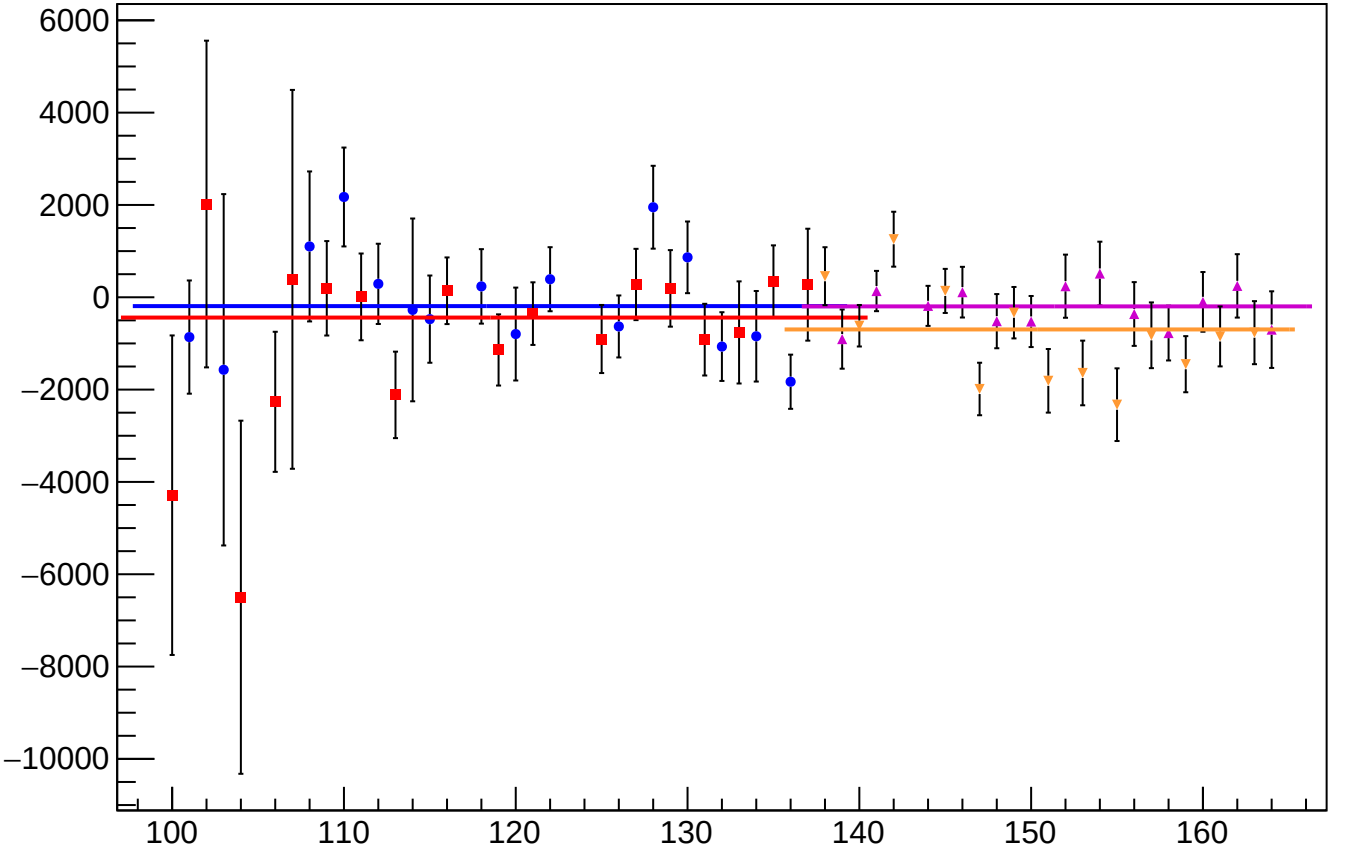
Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

+ sign 1169.495+/-0.198 χ^2/NDF: 375714.5/28

All: 1176.257+/-0.140 χ^2/NDF: 1050765.5/59

- sign 1182.991+/-0.198 χ^2/NDF: 672722.2/30

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -696.914+/-166.752 χ^2/NDF:33.2/12

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

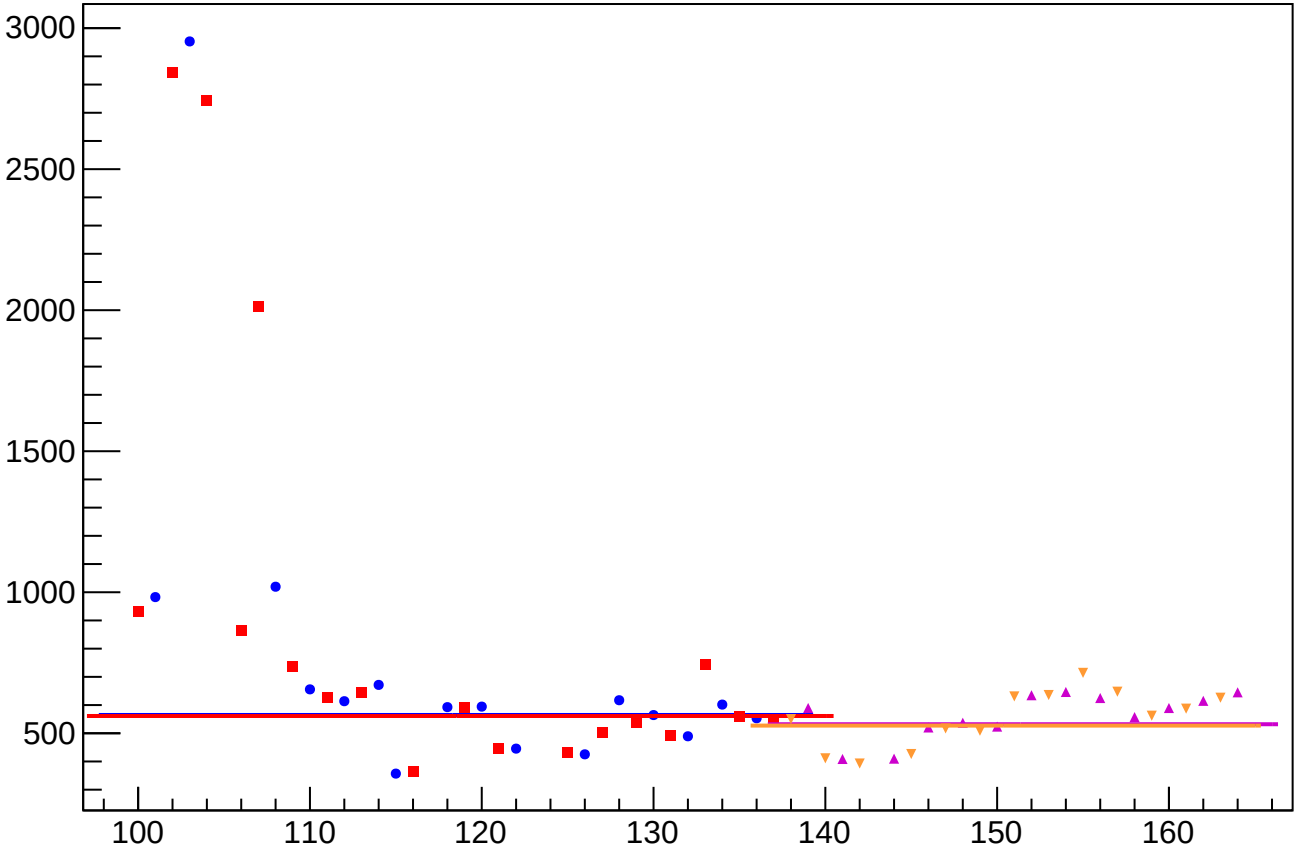
Left In: -197.450+/-163.034 χ^2/NDF:6.1/12

+ sign -515.422+/-133.494 χ^2/NDF: 61.7/28

All: -396.714+/-93.984 χ^2/NDF: 84.8/59

- 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: 527.229+/-0.118 χ^2/NDF:658273.6/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

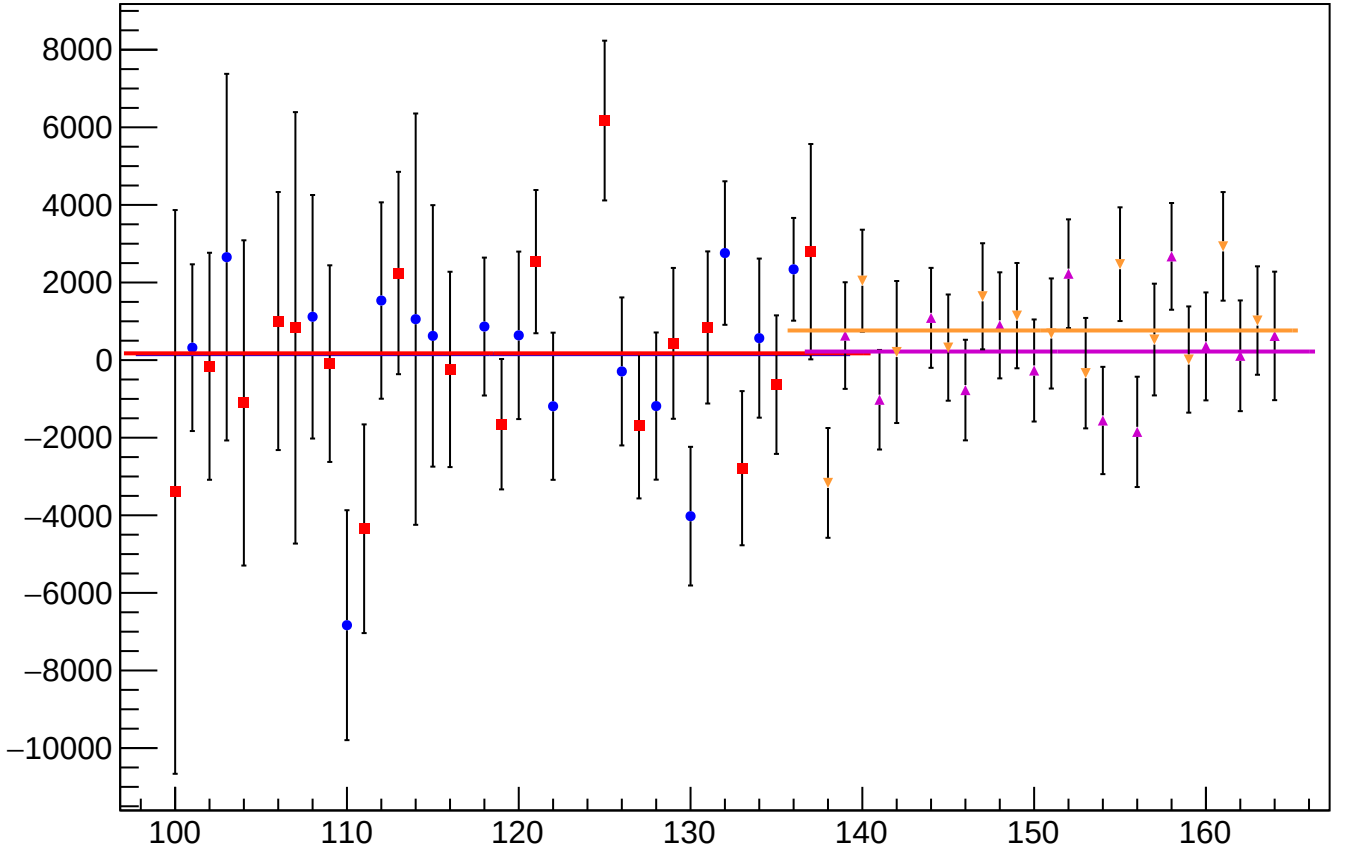
Left In: 532.041+/-0.115 χ^2/NDF:557516.1/12

+ sign 540.747+/-0.094 χ^2/NDF: 2175245.2/28

All: 541.385+/-0.066 χ^2/NDF: 5028155.3/59

- 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: 763.417+/-392.728 χ^2/NDF:14.1/12

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

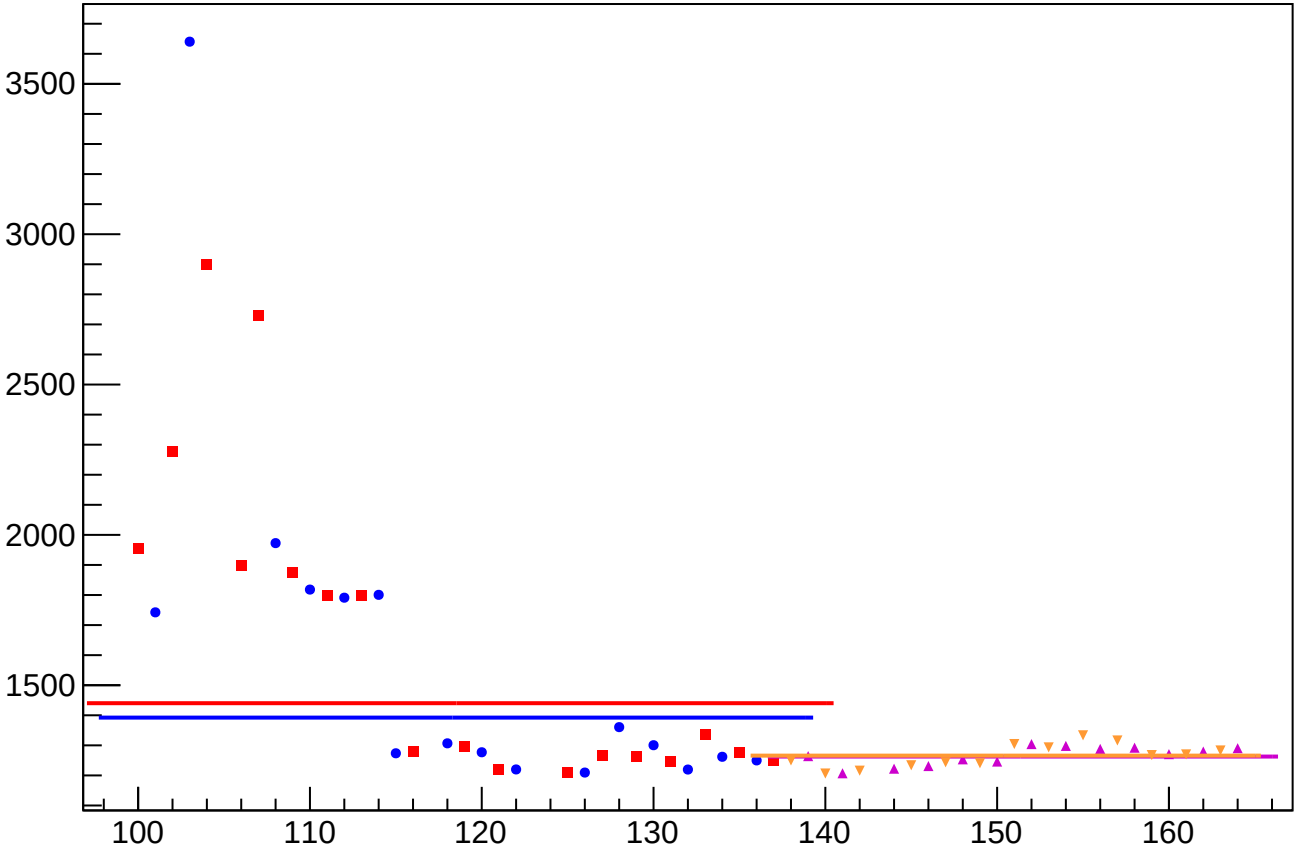
Left In: 220.625+/-381.364 χ^2/NDF:11.5/12

+ sign 548.287+/-315.981 χ^2/NDF: 32.7/28

All: 375.549+/-222.523 χ^2/NDF: 64.5/59

- 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: 1265.830+/-0.278 χ^2/NDF:17424.1/12

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

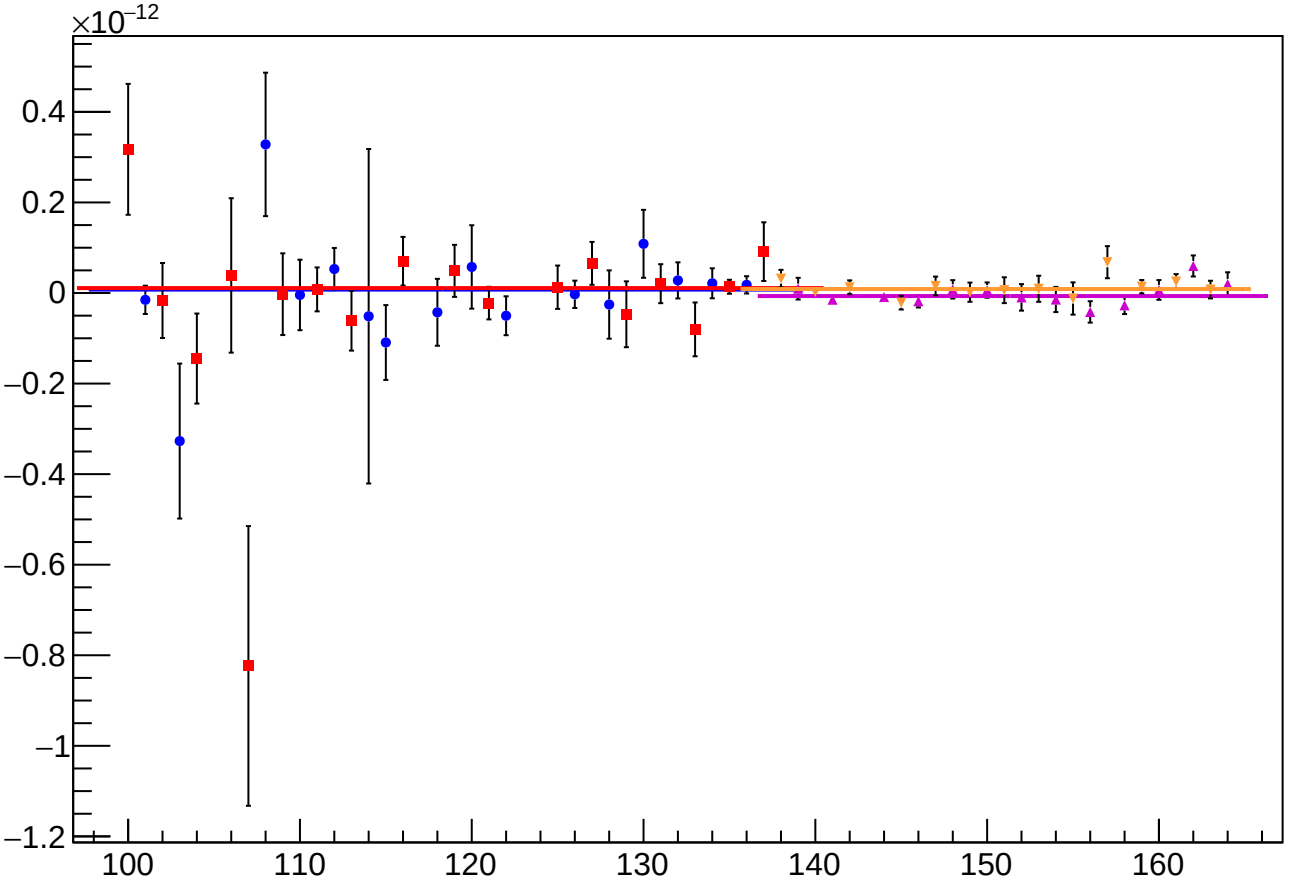
Left In: 1262.731+/-0.270 χ^2/NDF:12846.5/12

+ sign 1310.429+/-0.223 χ^2/NDF: 869804.8/28

All: 1315.424+/-0.157 χ^2/NDF: 1879134.0/59

- sign 1320.338+/-0.222 χ^2/NDF: 1008337.8/30

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

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

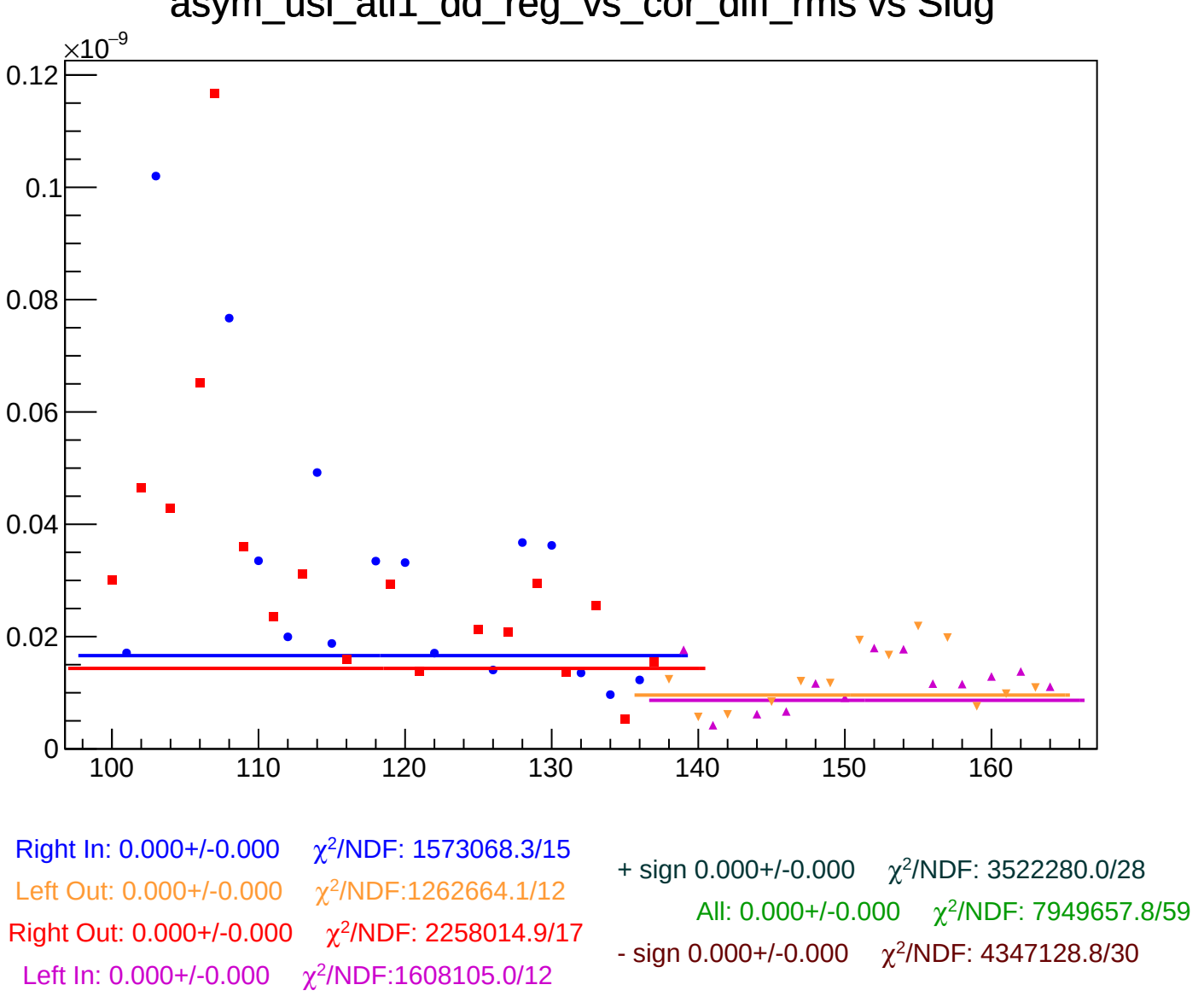
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.1/12

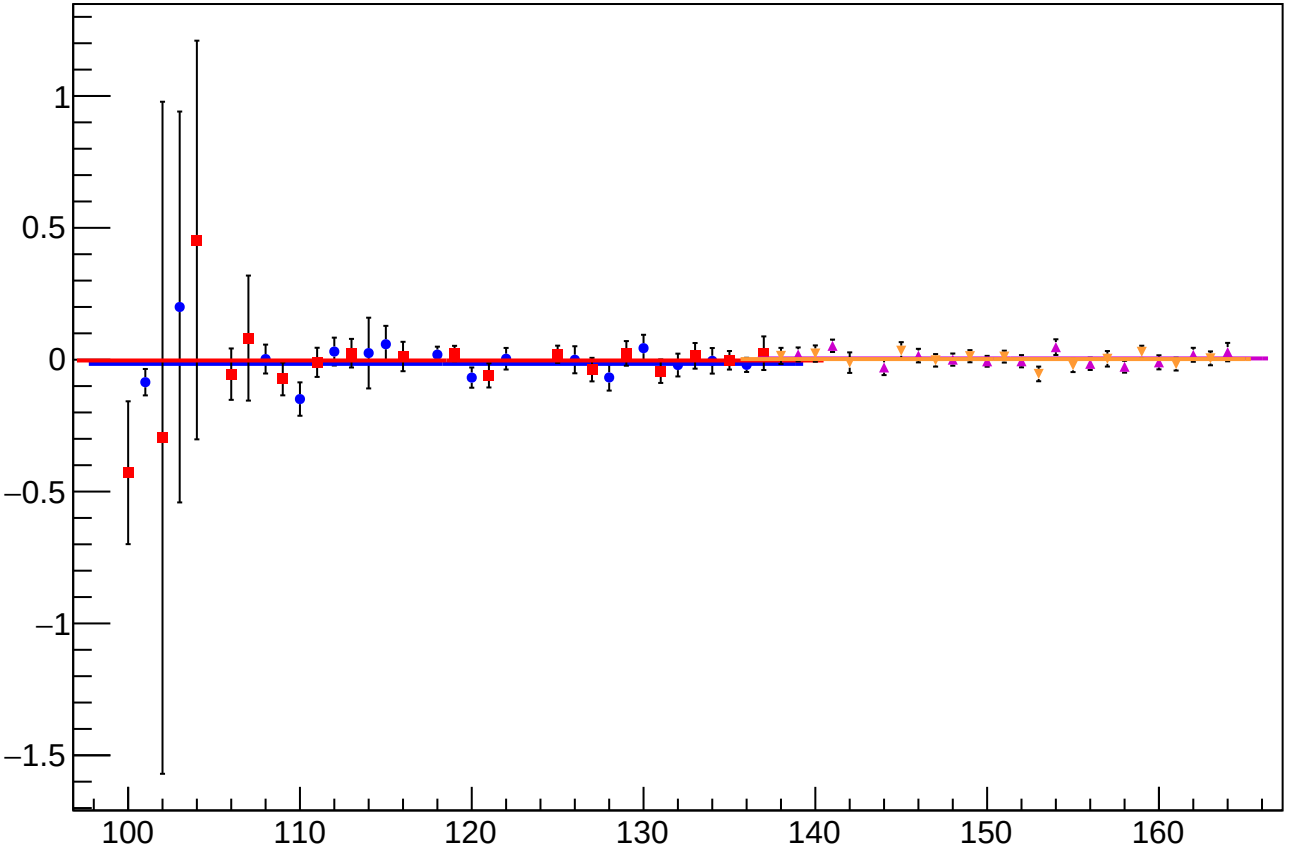
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/28

All: 0.000+/-0.000 χ^2/NDF: 73.6/59

- 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:1262664.1/12
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: 3522280.0/28
All: 0.000+/-0.000 χ²/NDF: 7949657.8/59
- 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:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

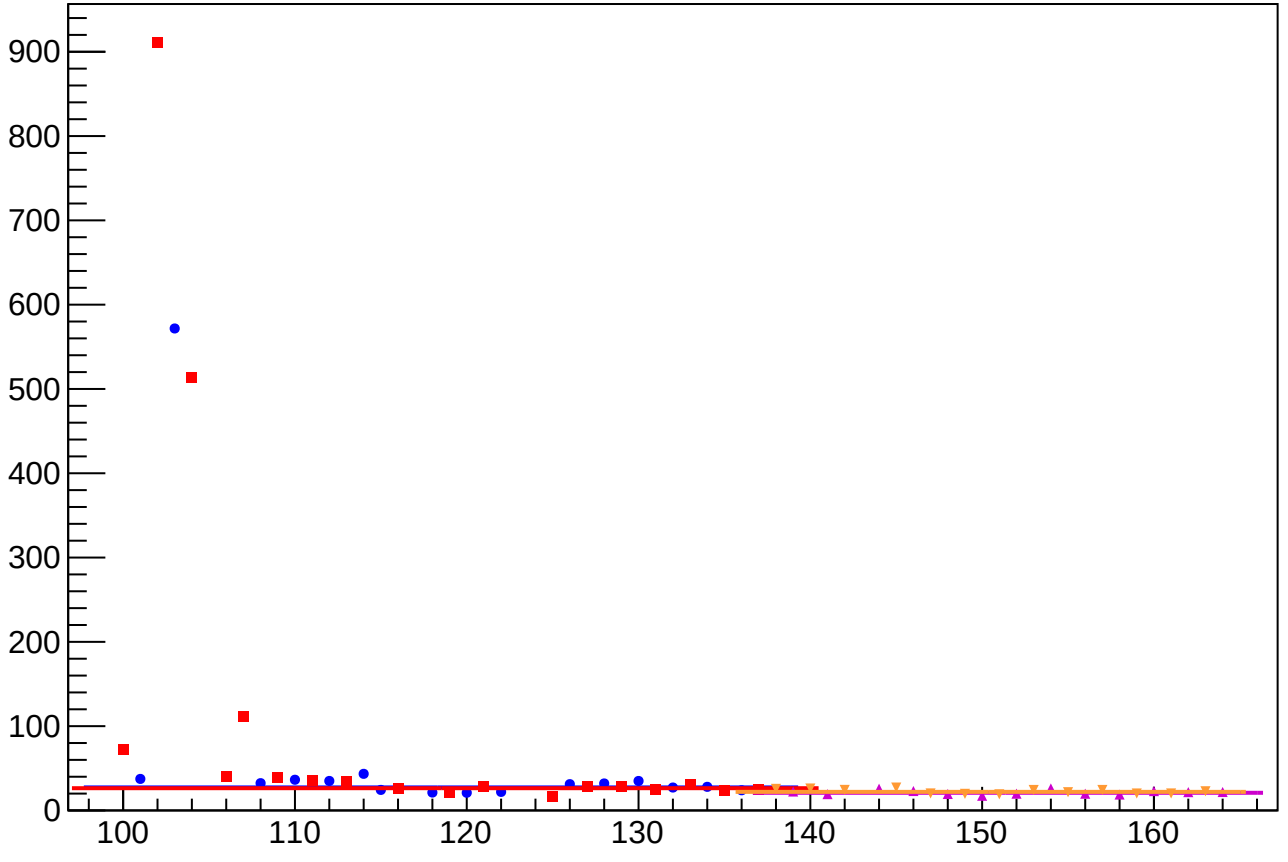
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: 0.000+/-0.004 χ^2/NDF: 48.5/59

- 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: 22.048+/-0.005 χ^2/NDF:234973.2/12

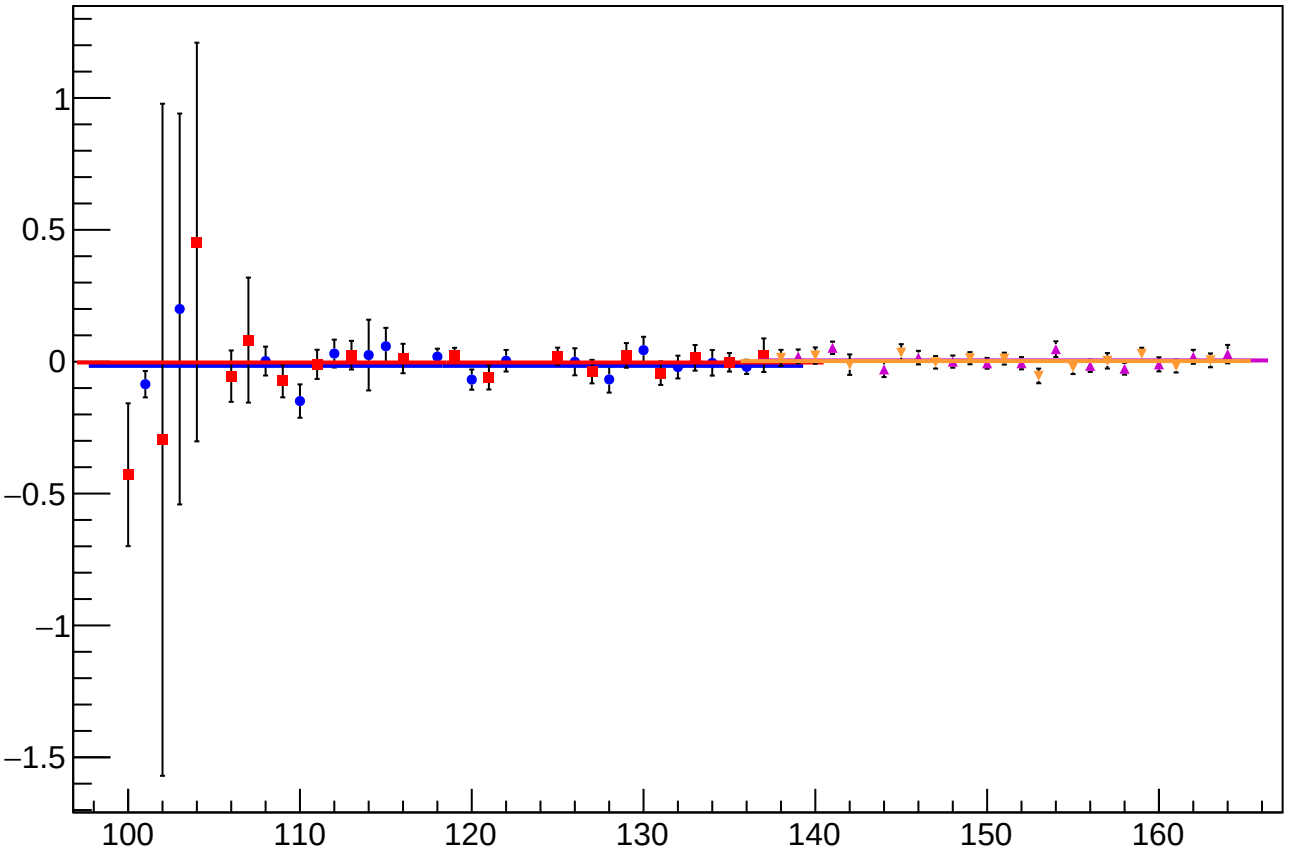
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

+ sign 23.575+/-0.004 χ^2/NDF: 2096799.3/28

All: 22.930+/-0.003 χ^2/NDF: 5310052.8/59

- 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:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

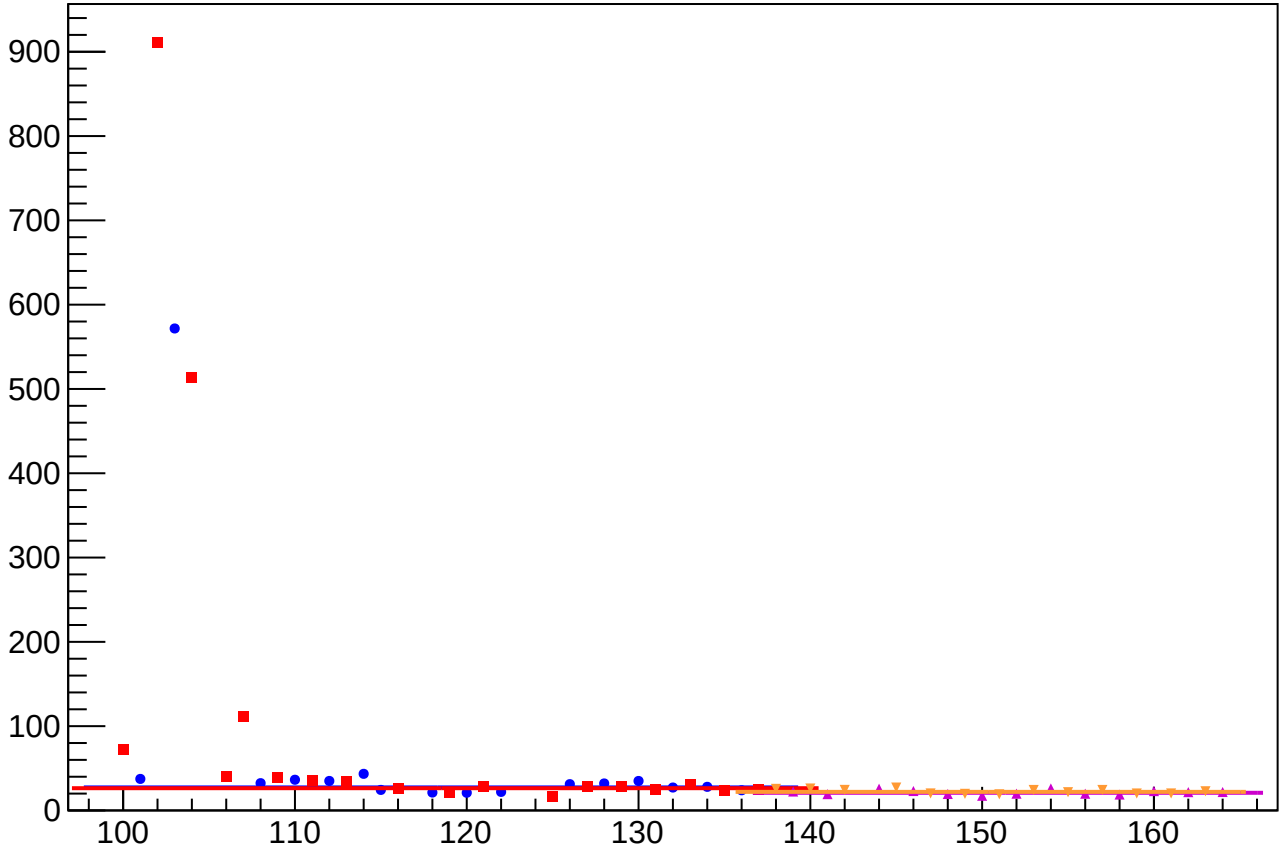
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

\+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: 0.000+/-0.004 χ^2/NDF: 48.5/59

\- 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: 22.048+/-0.005 χ^2/NDF:234973.2/12

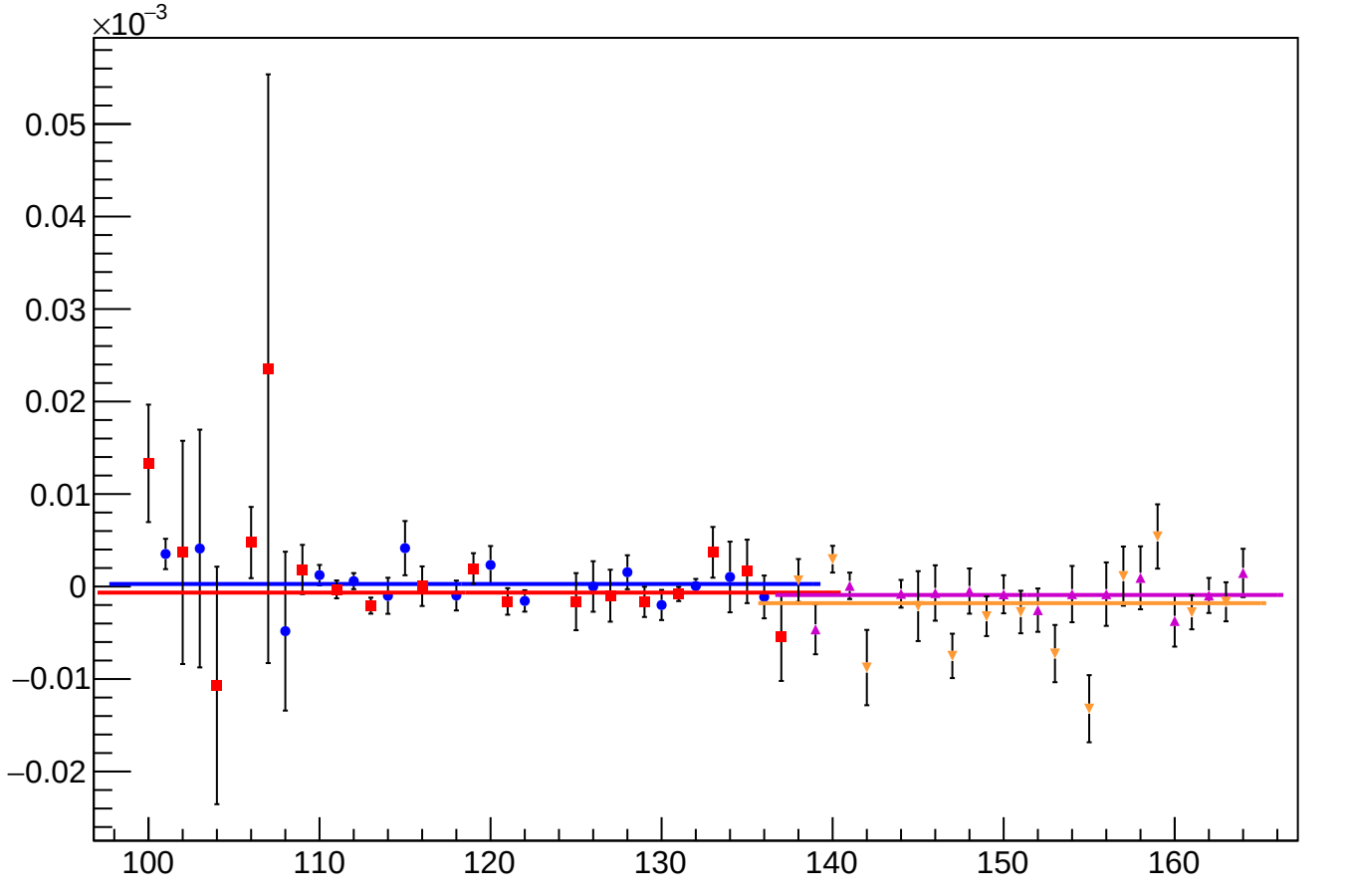
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

+ sign 23.575+/-0.004 χ^2/NDF: 2096799.3/28

All: 22.930+/-0.003 χ^2/NDF: 5310052.8/59

- 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:39.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

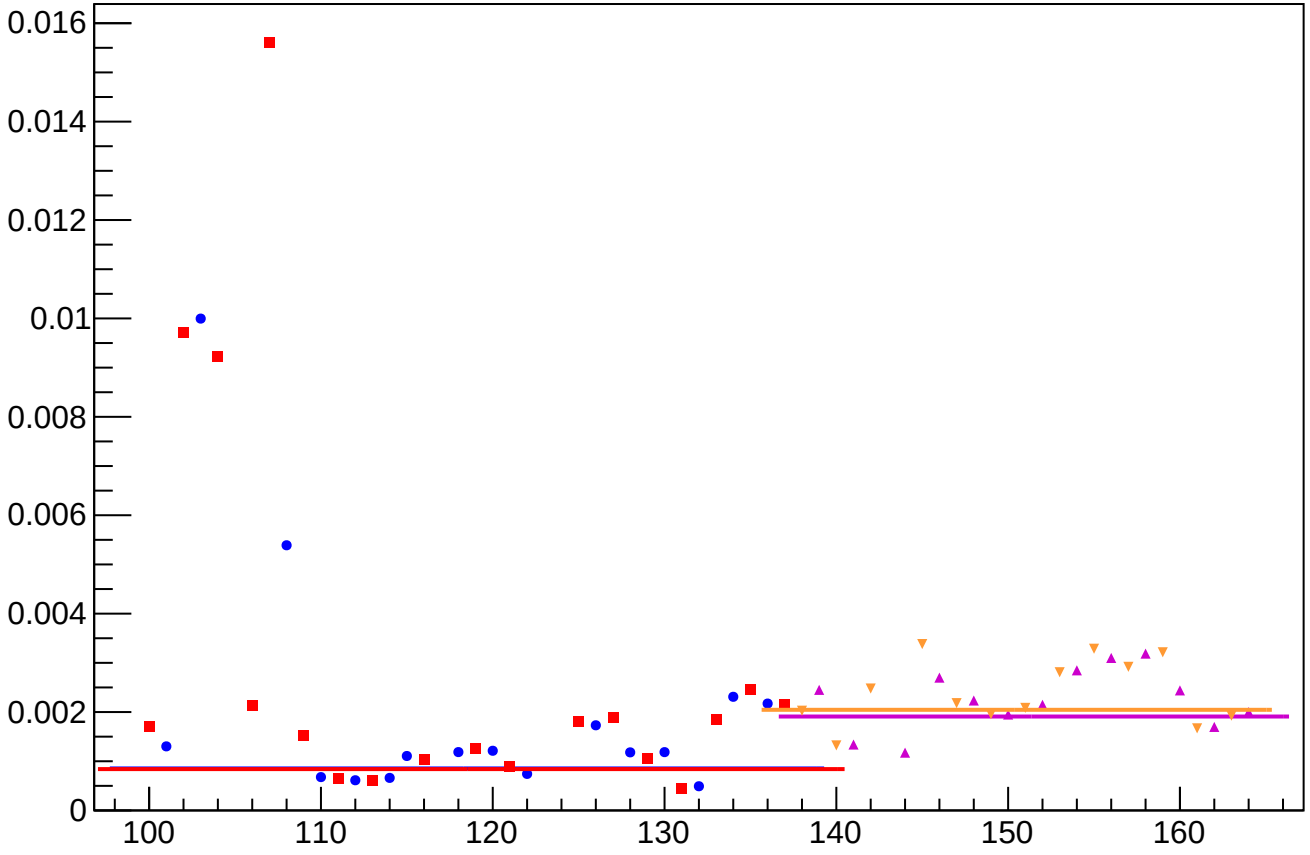
Left In: -0.000+/-0.000 χ^2/NDF:5.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/28

All: -0.000+/-0.000 χ^2/NDF: 87.0/59

- 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:1604888.5/12

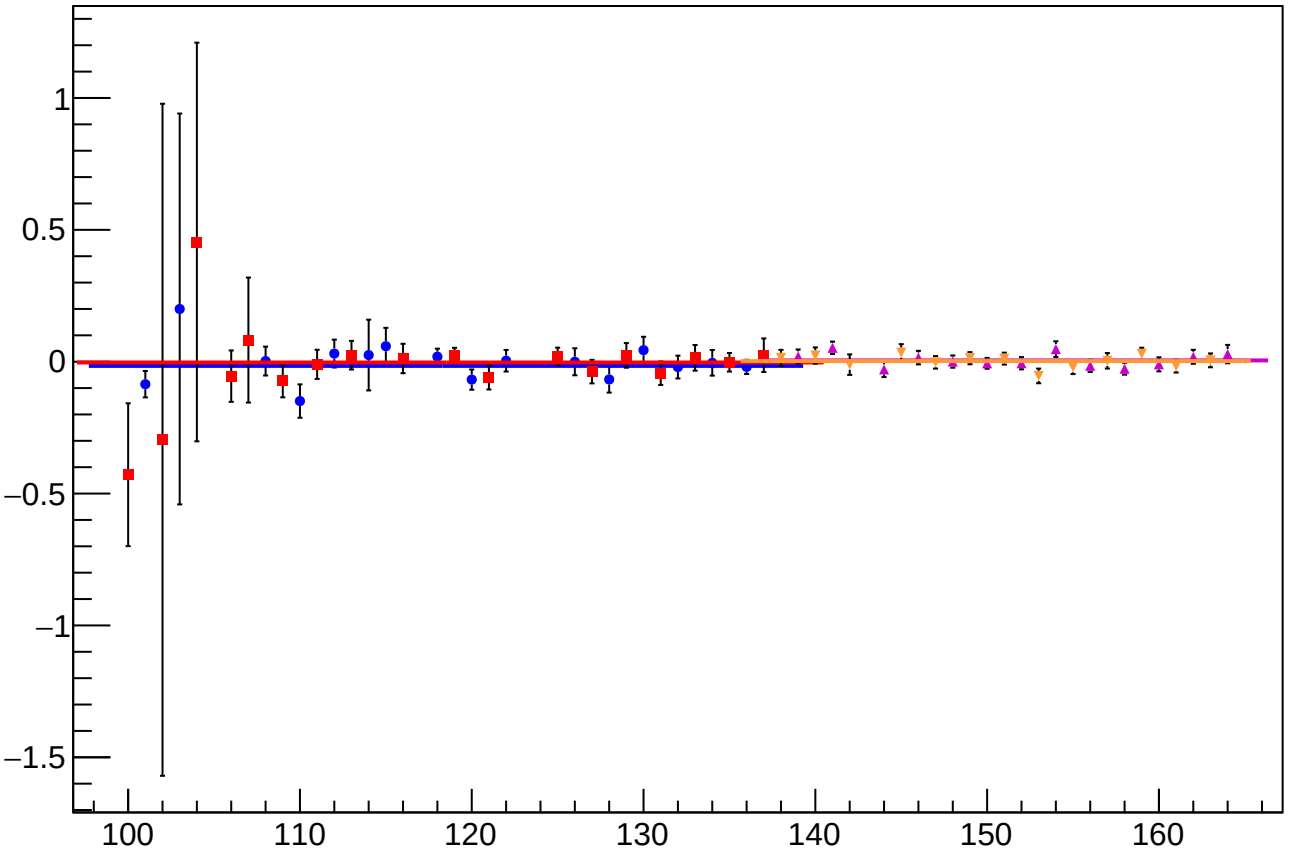
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1889381.9/12

+ sign 0.001+/-0.000 χ^2/NDF: 10329634.0/28

All: 0.001+/-0.000 χ^2/NDF: 21462888.6/59

- 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:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

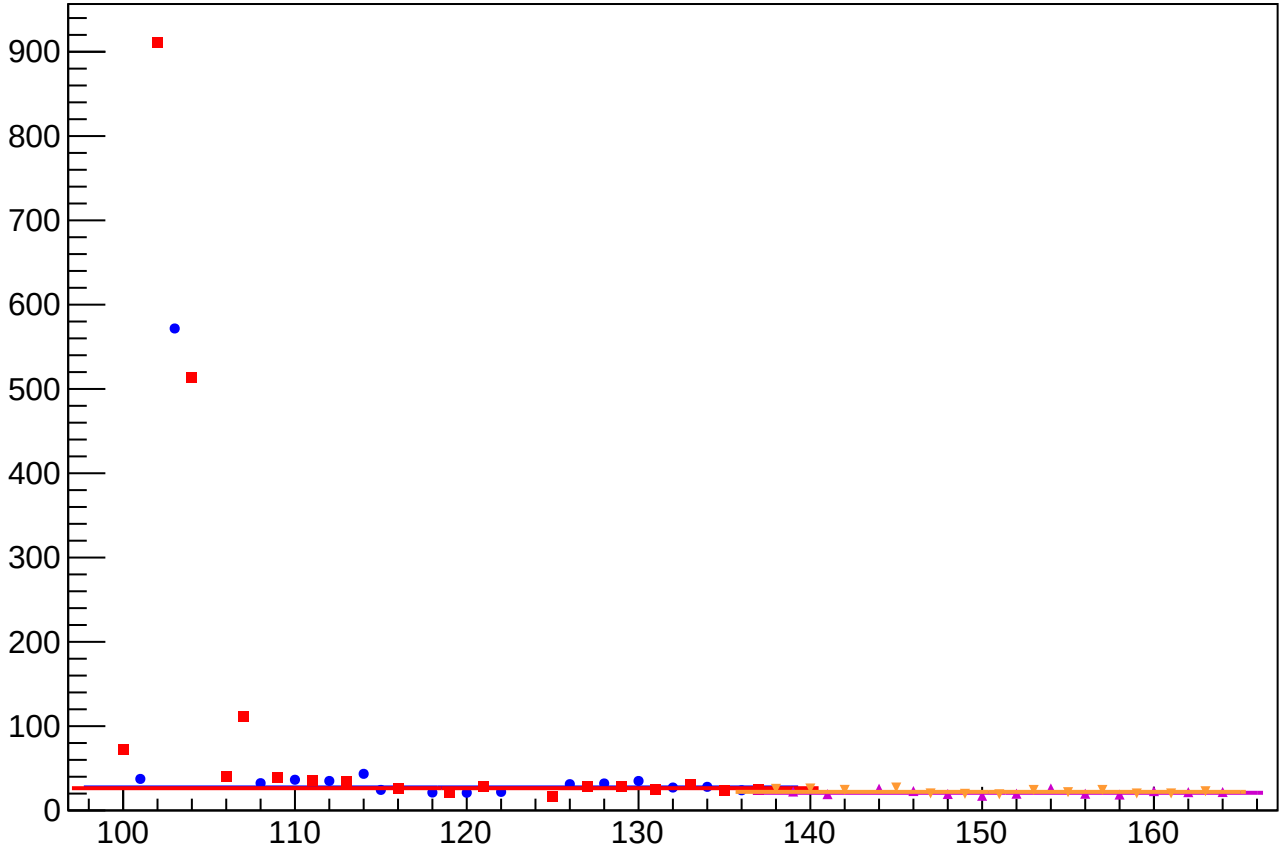
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

\+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: 0.000+/-0.004 χ^2/NDF: 48.5/59

\- 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: 22.048+/-0.005 χ^2/NDF:234942.5/12

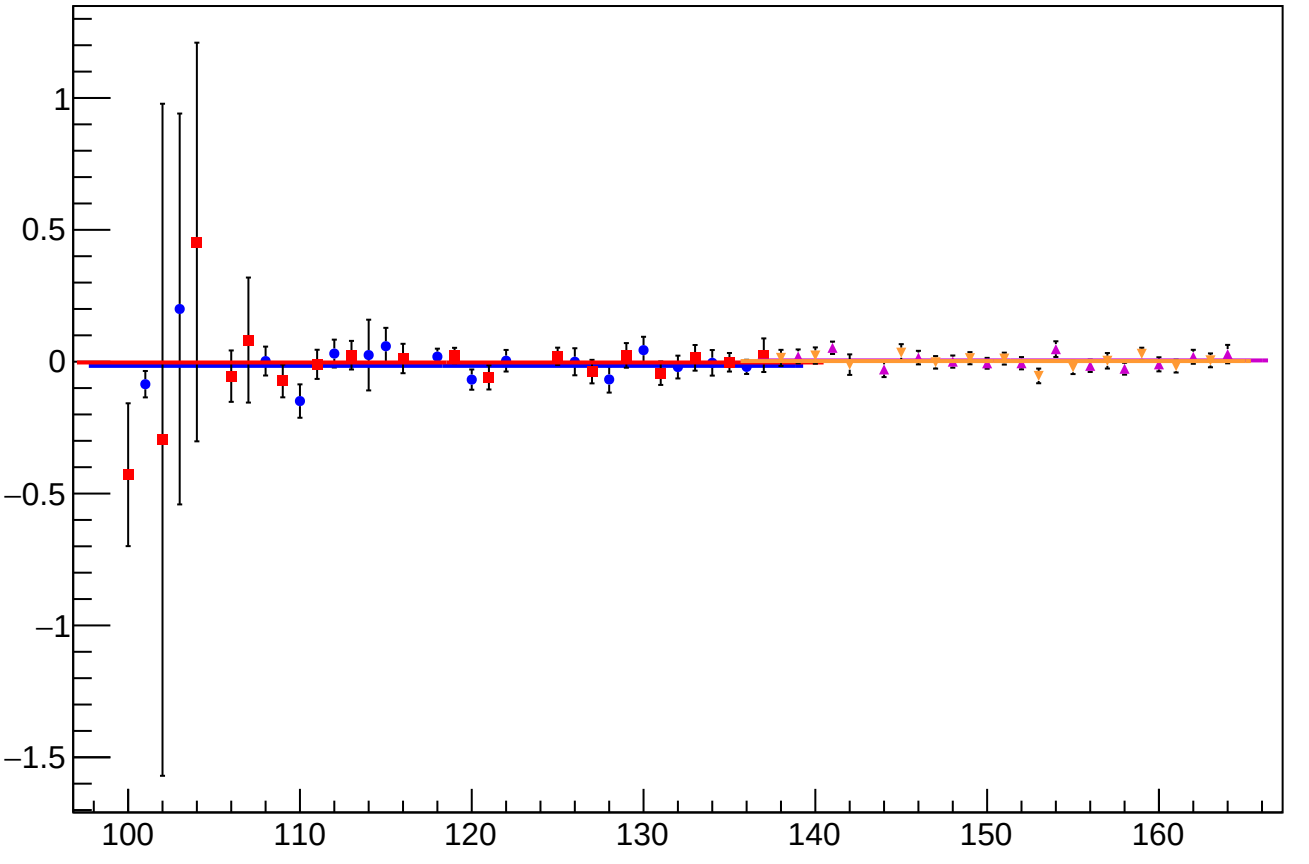
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

\+ sign 23.575+/-0.004 χ^2/NDF: 2096770.6/28

All: 22.930+/-0.003 χ^2/NDF: 5310058.6/59

\- 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:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

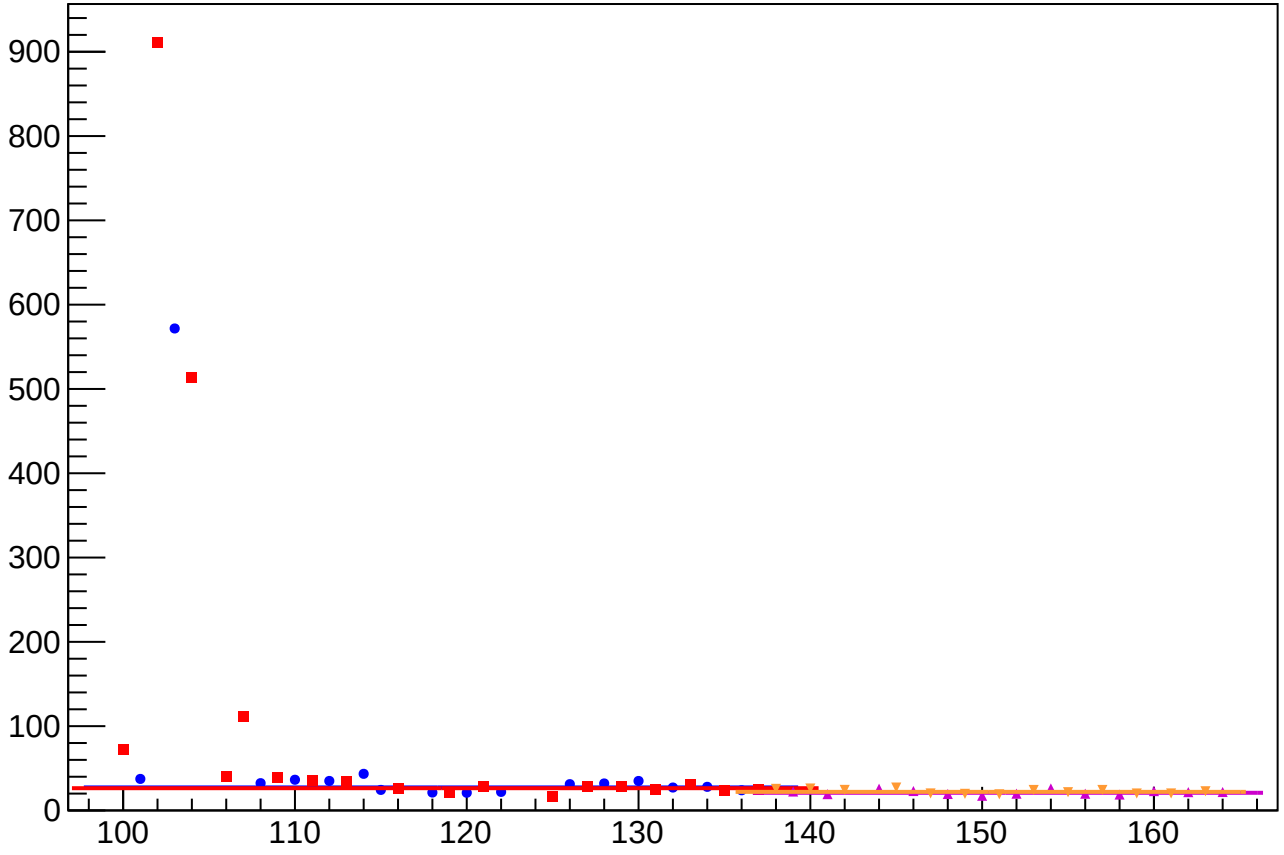
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: 0.000+/-0.004 χ^2/NDF: 48.5/59

- sign 0.003+/-0.006 χ^2/NDF: 22.6/30

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.048+/-0.005 χ^2/NDF:234942.5/12

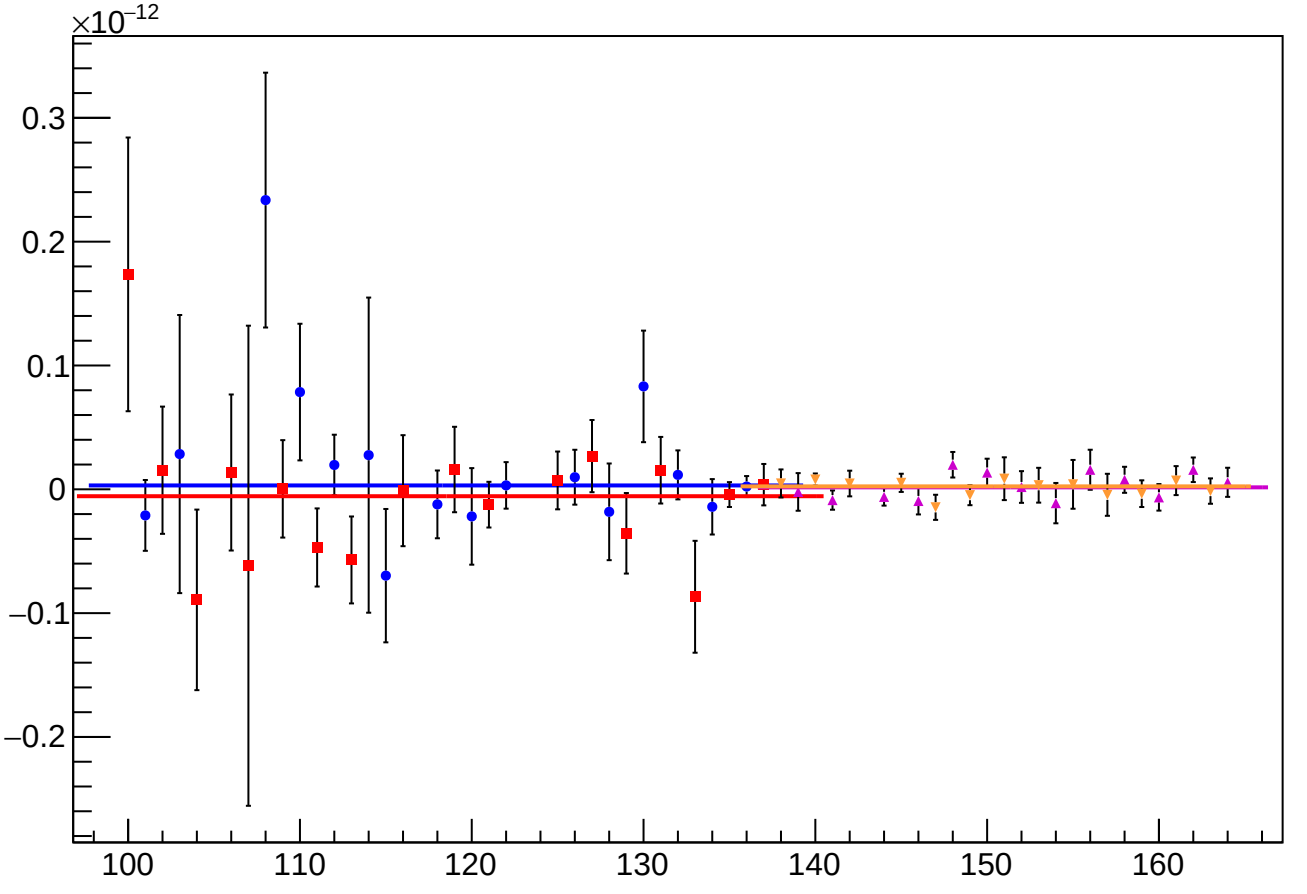
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

+ sign 23.575+/-0.004 χ^2/NDF: 2096770.6/28

All: 22.930+/-0.003 χ^2/NDF: 5310058.6/59

- 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:5.9/12

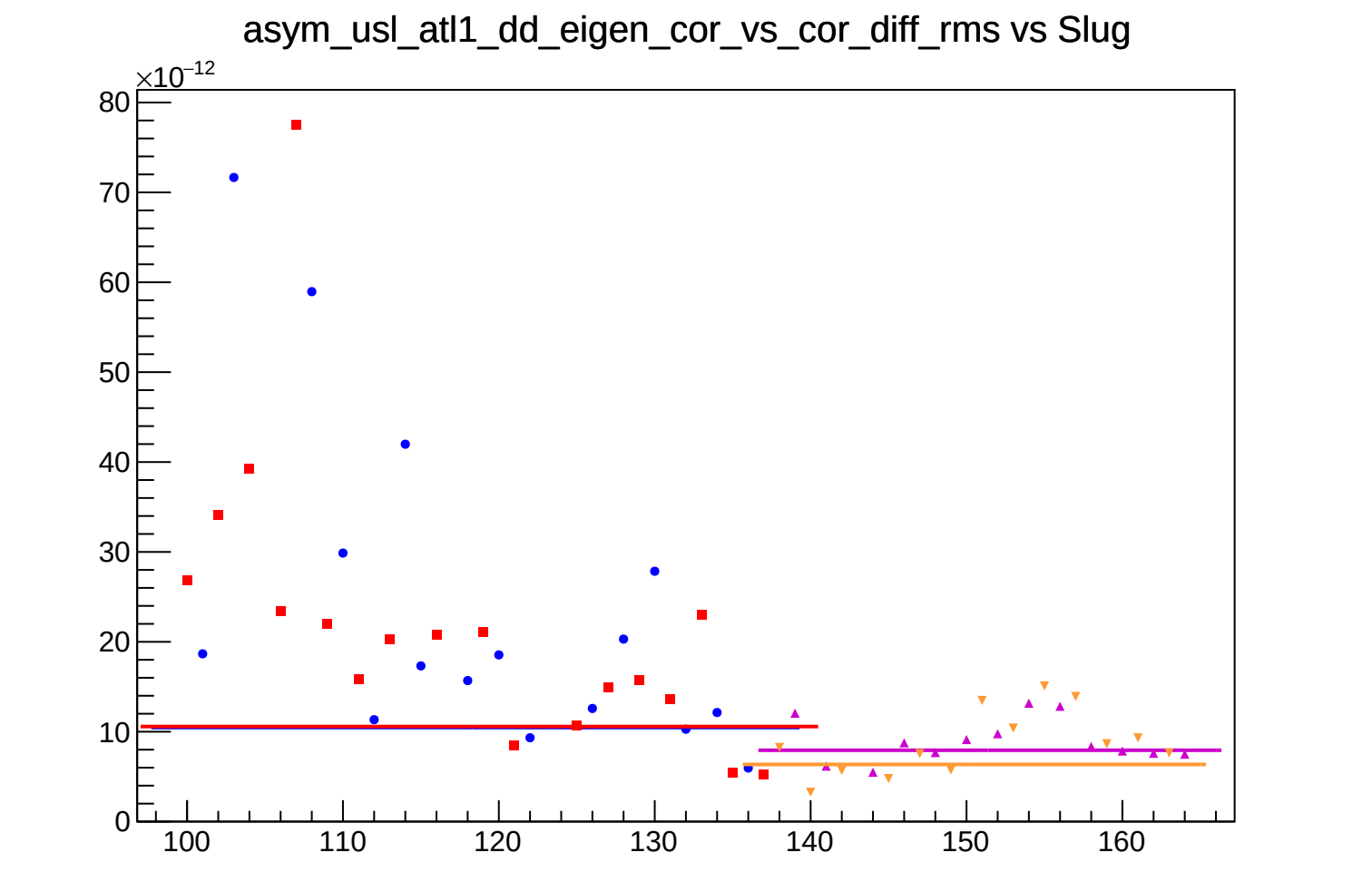
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/28

All: 0.000+/-0.000 χ^2/NDF: 50.5/59

- 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:2531268.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

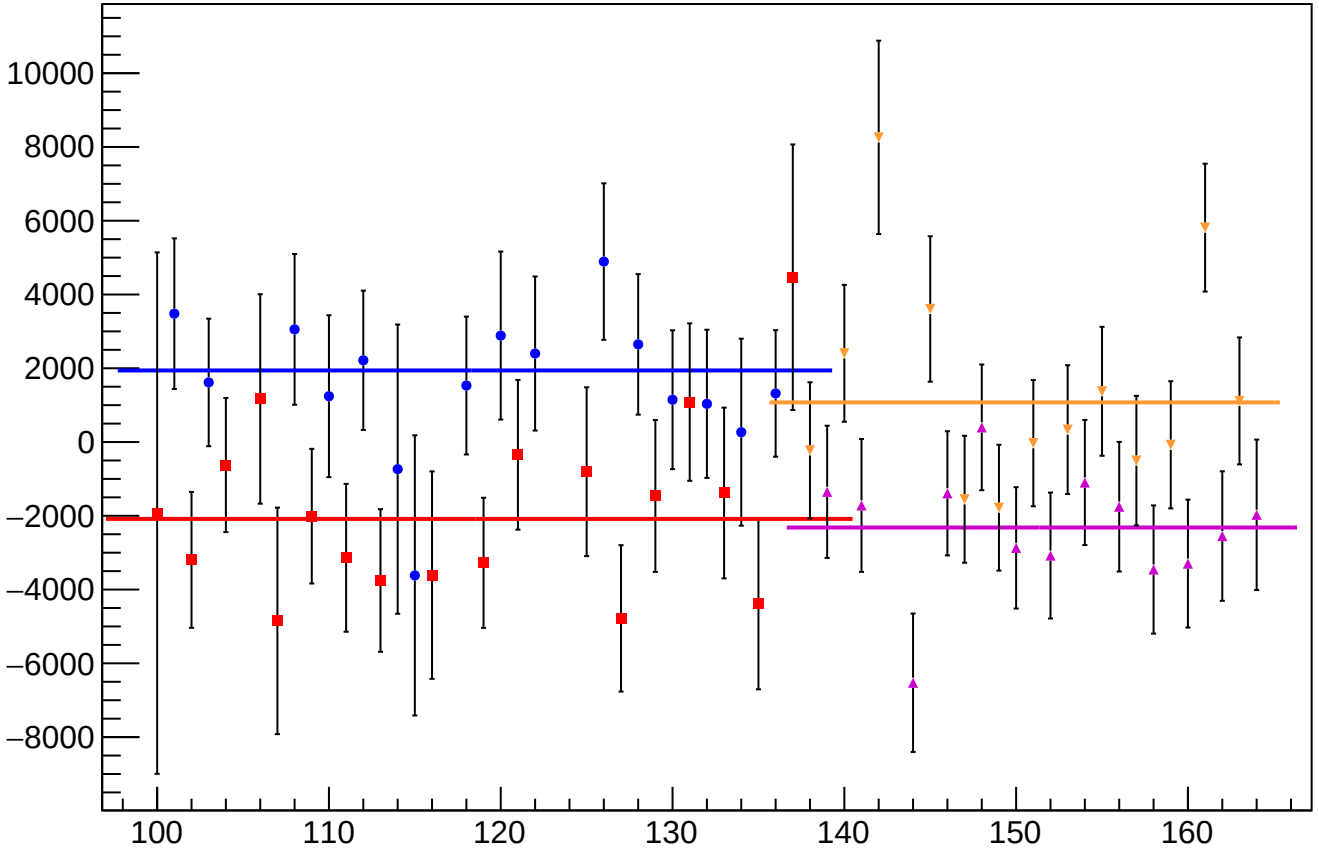
Left In: 0.000+/-0.000 χ^2/NDF:963841.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 6167325.0/28

All: 0.000+/-0.000 χ^2/NDF: 10492867.6/59

- 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: 1075.315+/-500.261 χ^2/NDF:24.7/12

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

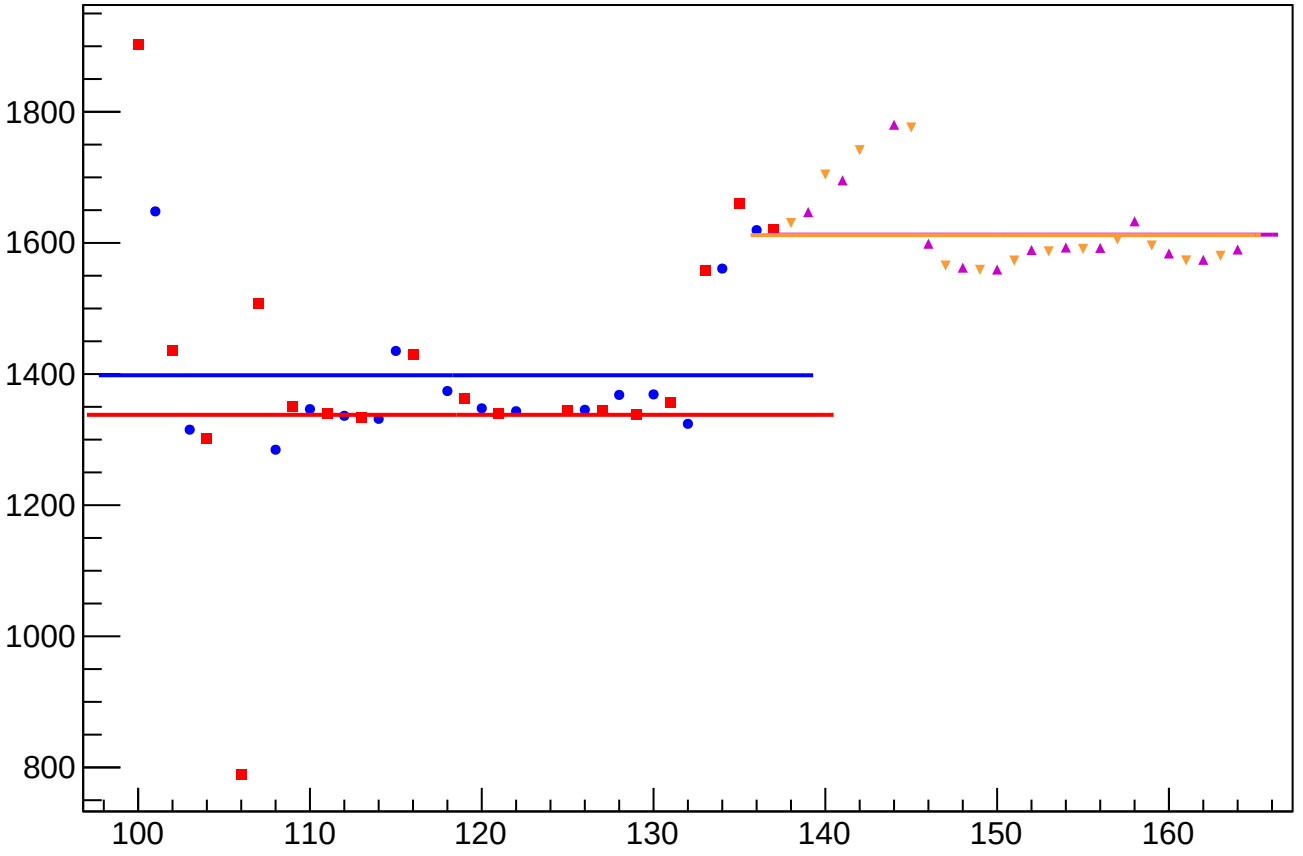
Left In: -2317.480+/-487.224 χ^2/NDF:10.0/12

+ sign 1489.601+/-361.236 χ^2/NDF: 33.0/28

All: -389.374+/-253.347 χ^2/NDF: 110.8/59

- 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: 1611.959+/-0.354 χ^2/NDF:30854.8/12

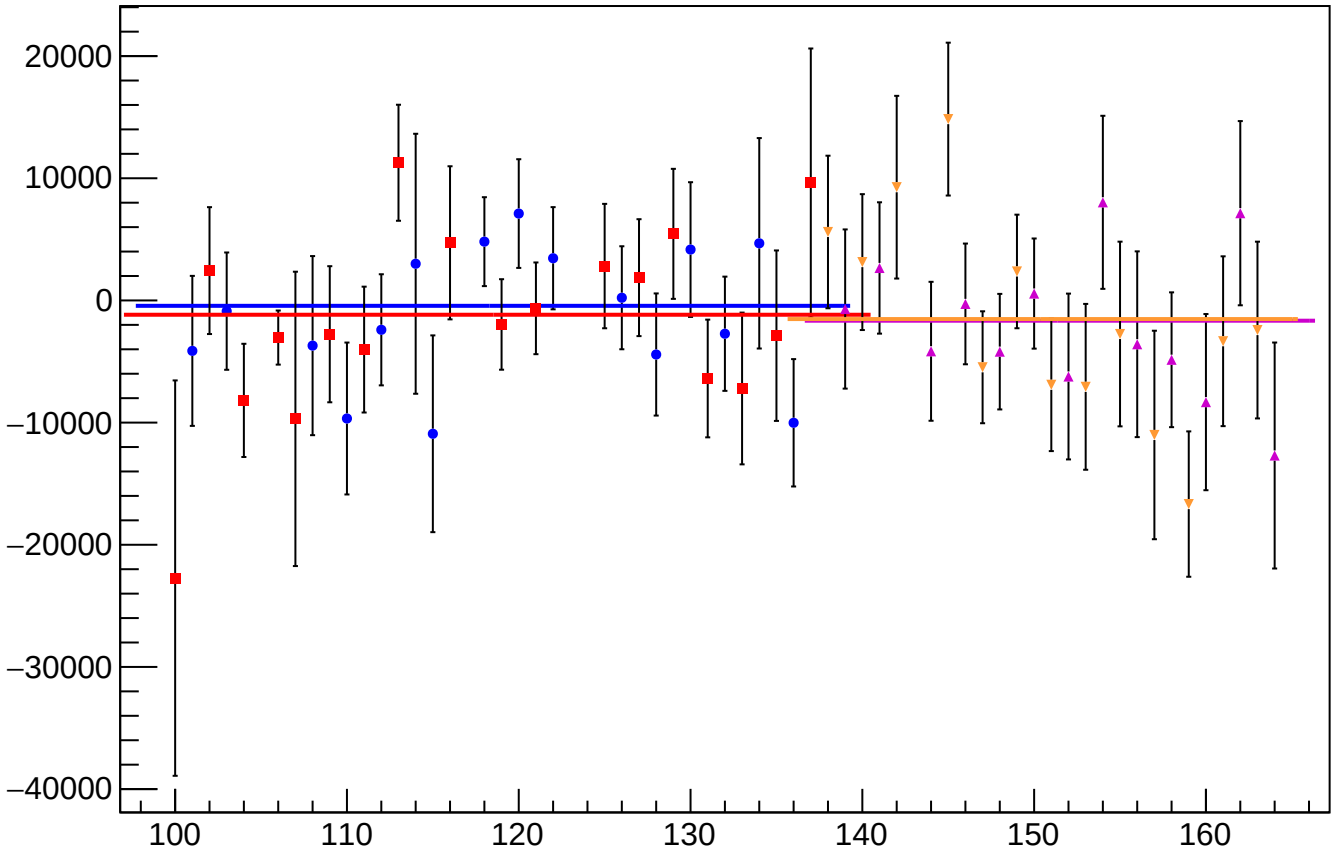
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

+ sign 1509.640+/-0.255 χ^2/NDF: 299601.0/28

All: 1494.197+/-0.178 χ^2/NDF: 960089.2/59

- 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: -1525.199+/-1689.633 χ^2/NDF:21.9/12

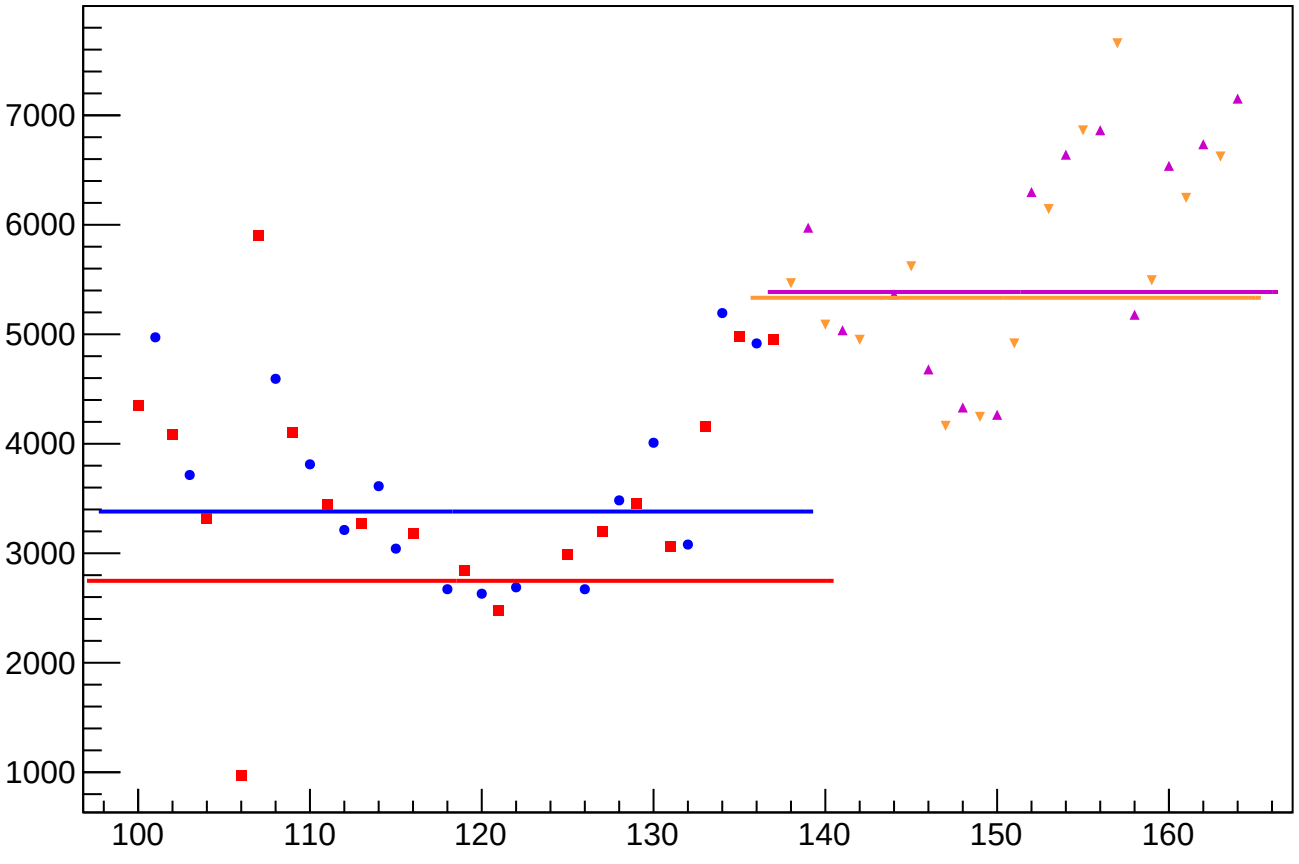
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1659.168+/-1656.846 χ^2/NDF:7.8/12

+ sign -842.652+/-1028.291 χ^2/NDF: 38.0/28

All: -1108.238+/-688.859 χ^2/NDF: 65.7/59

- 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: 5333.533+/-1.195 χ^2/NDF:624168.8/12

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

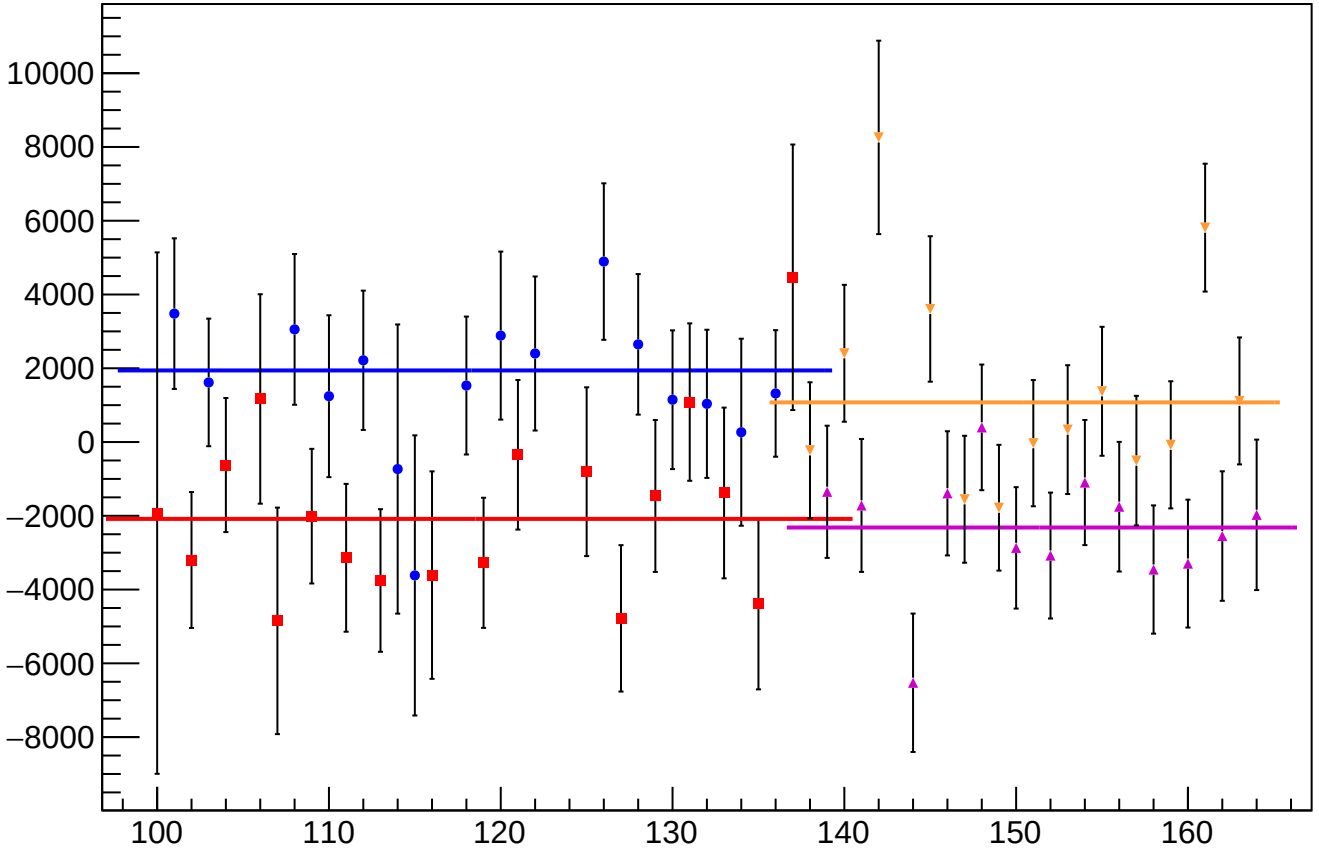
Left In: 5386.174+/-1.172 χ^2/NDF:654312.8/12

+ sign 4104.253+/-0.727 χ^2/NDF: 3062705.2/28

All: 3812.830+/-0.487 χ^2/NDF: 9752614.8/59

- sign 3575.570+/-0.656 χ^2/NDF: 6398490.5/30

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

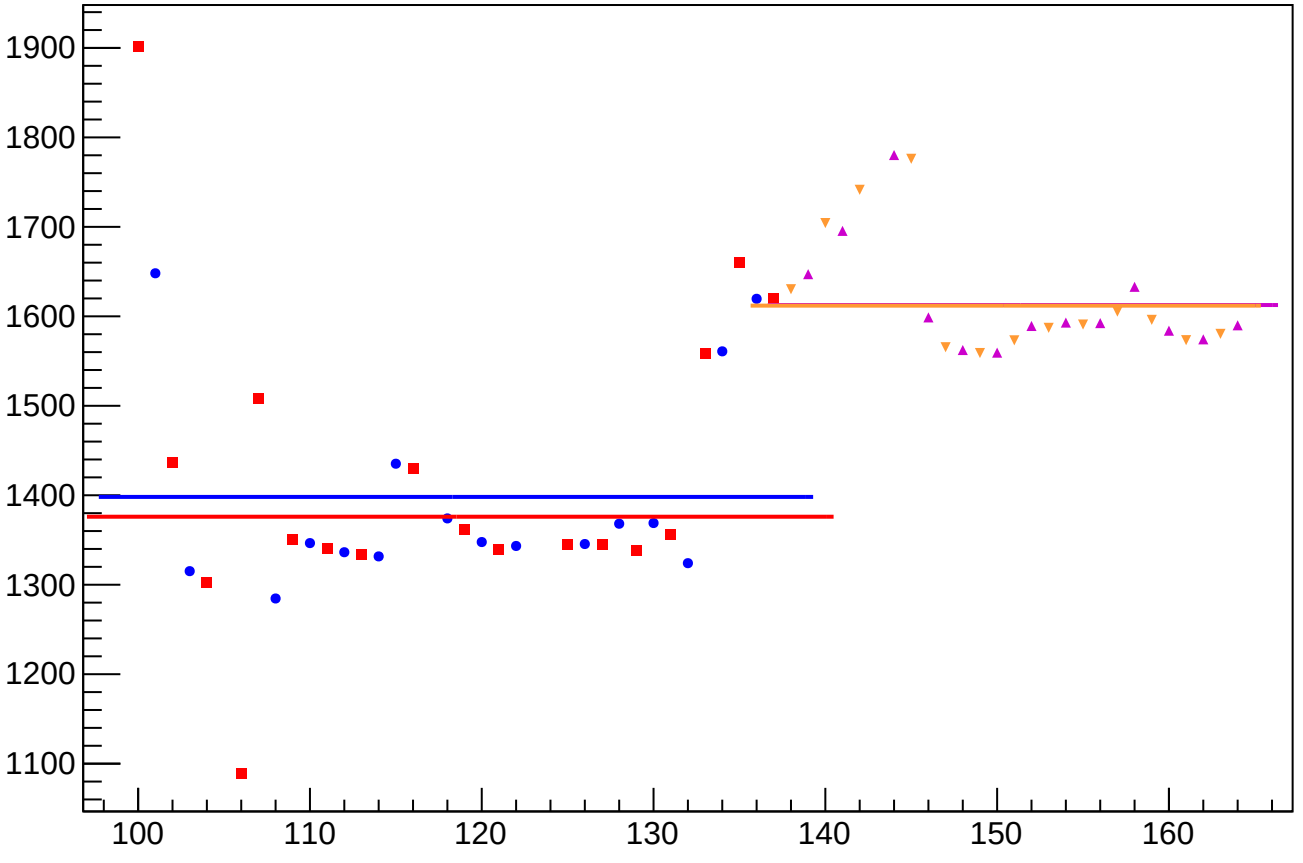
Left In: -2317.602+/-487.224 χ^2/NDF:10.0/12

+ sign 1489.657+/-361.236 χ^2/NDF: 33.0/28

All: -389.425+/-253.348 χ^2/NDF: 110.8/59

- 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: 1611.959+/-0.354 χ^2/NDF:30854.8/12

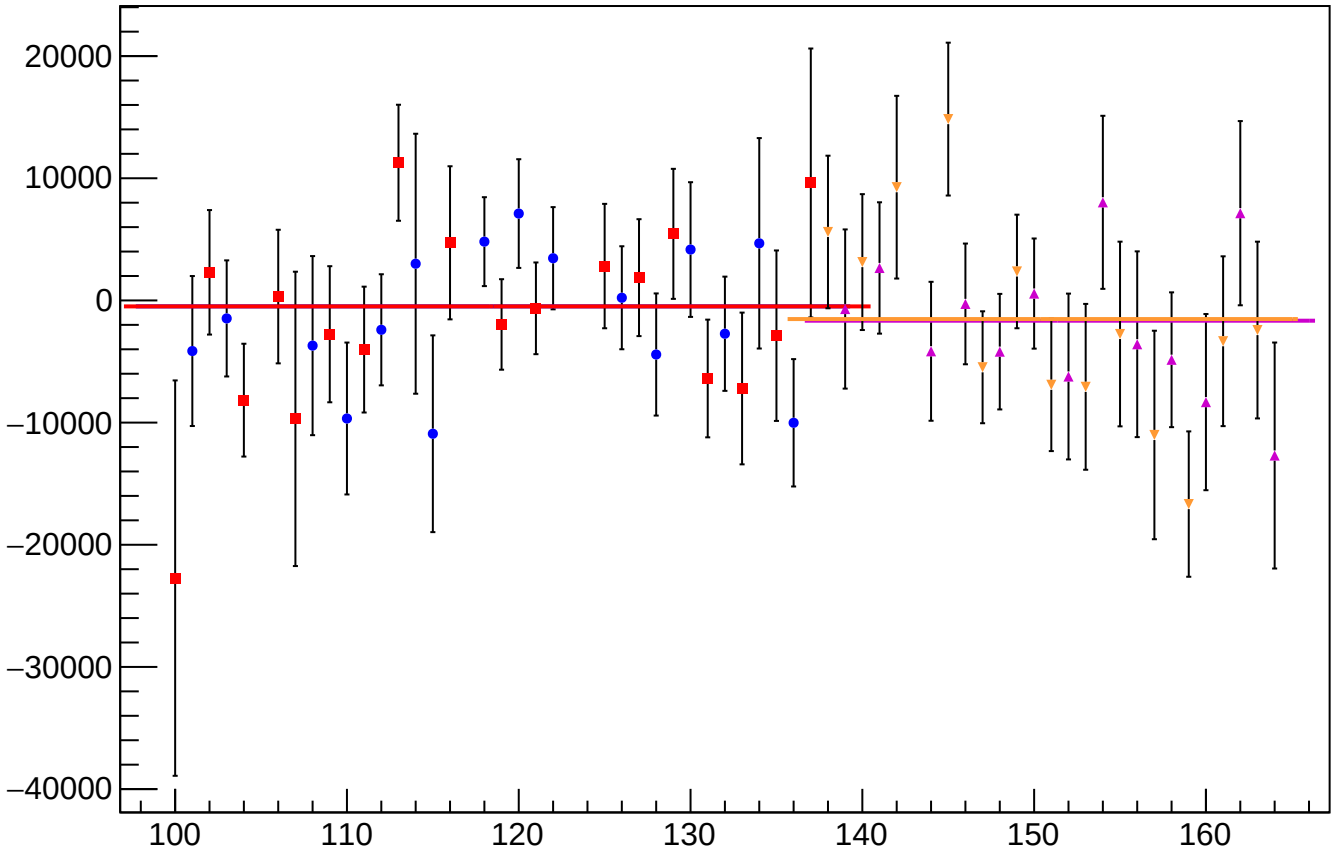
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

\+ sign 1509.640+/-0.255 χ^2/NDF: 299601.2/28

All: 1504.889+/-0.179 χ^2/NDF: 665986.9/59

\- 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: -1525.234+/-1689.633 χ^2/NDF:21.9/12

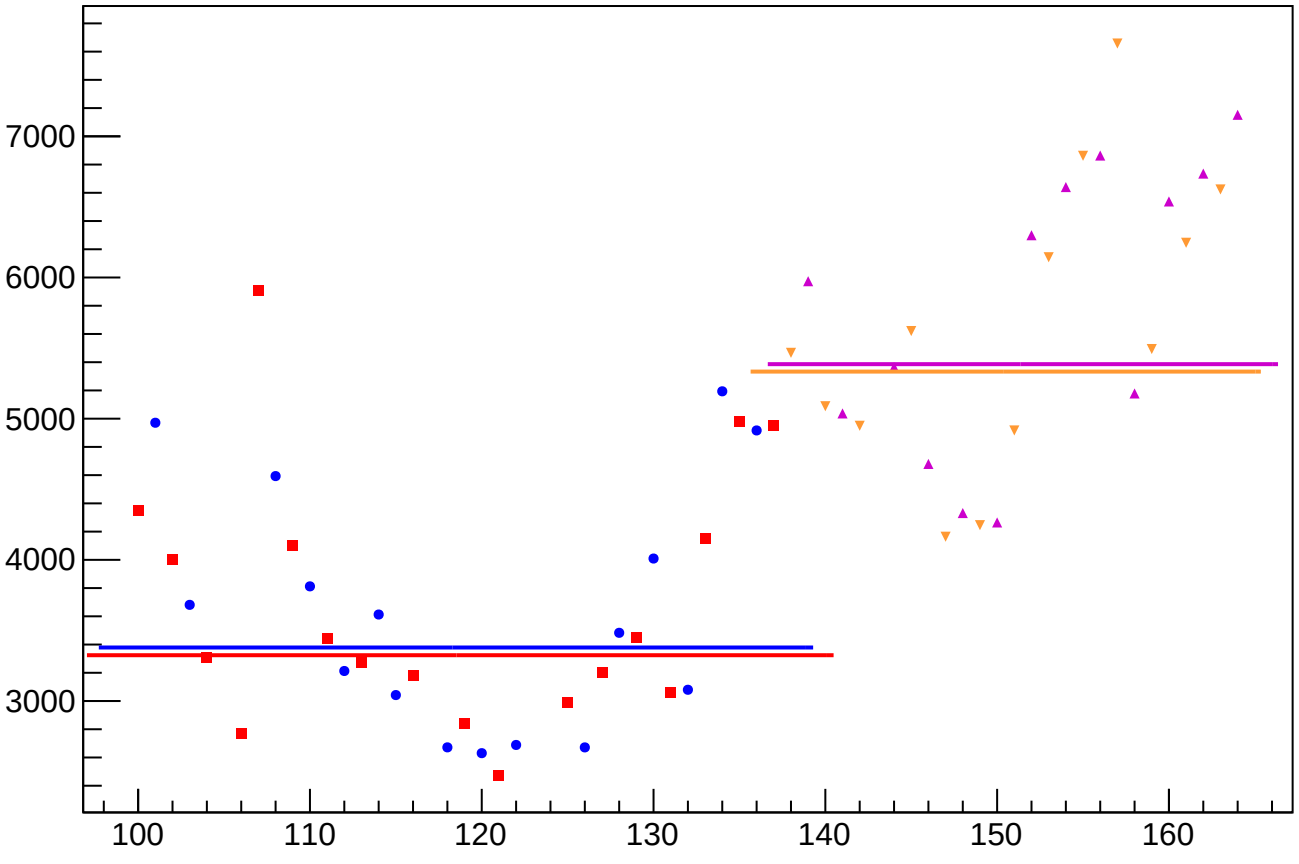
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1659.285+/-1656.845 χ^2/NDF:7.8/12

+ sign -870.897+/-1027.799 χ^2/NDF: 38.0/28

All: -895.074+/-718.053 χ^2/NDF: 64.9/59

- 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: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

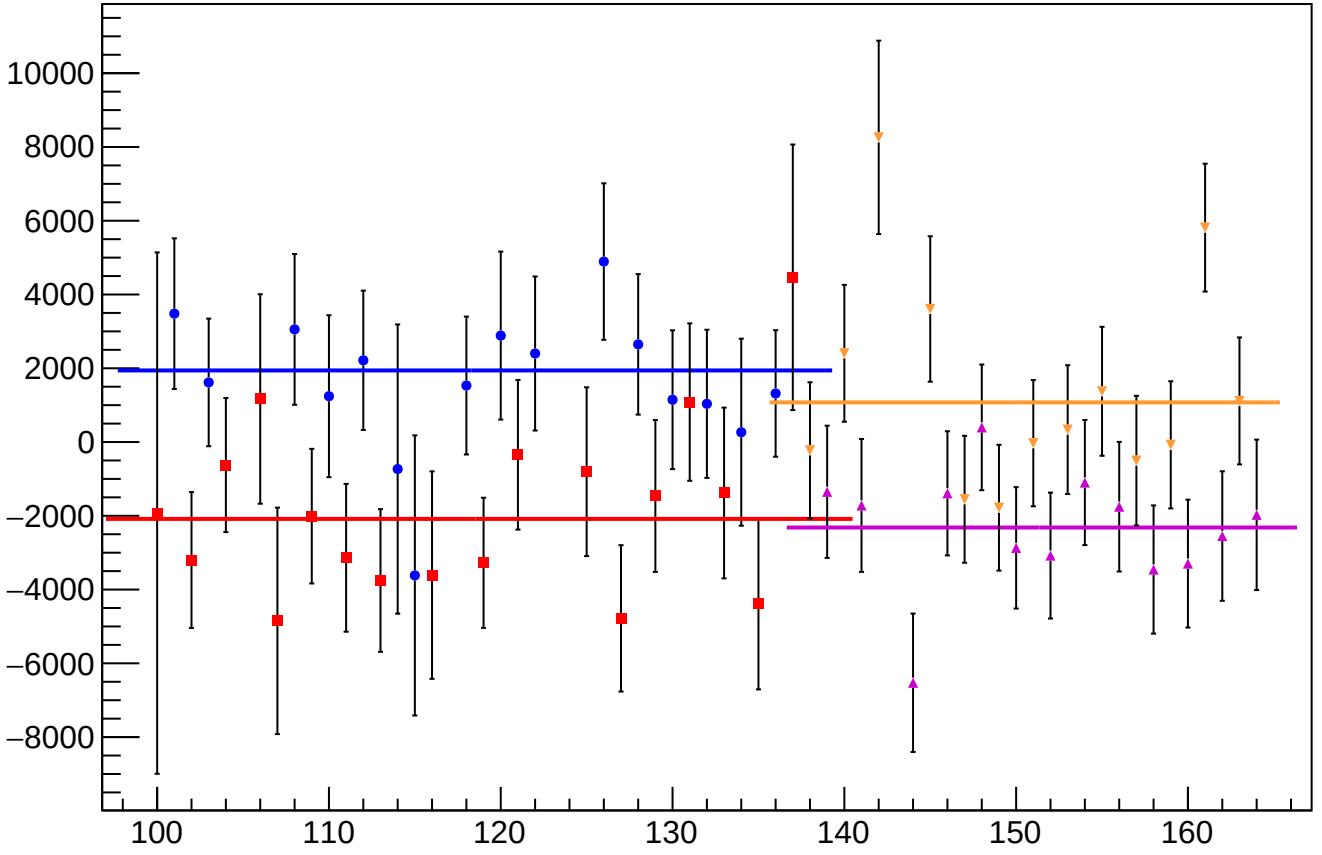
Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

+ sign 4102.296+/-0.727 χ^2/NDF: 3065307.6/28

All: 4091.345+/-0.508 χ^2/NDF: 6224512.2/59

- 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: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

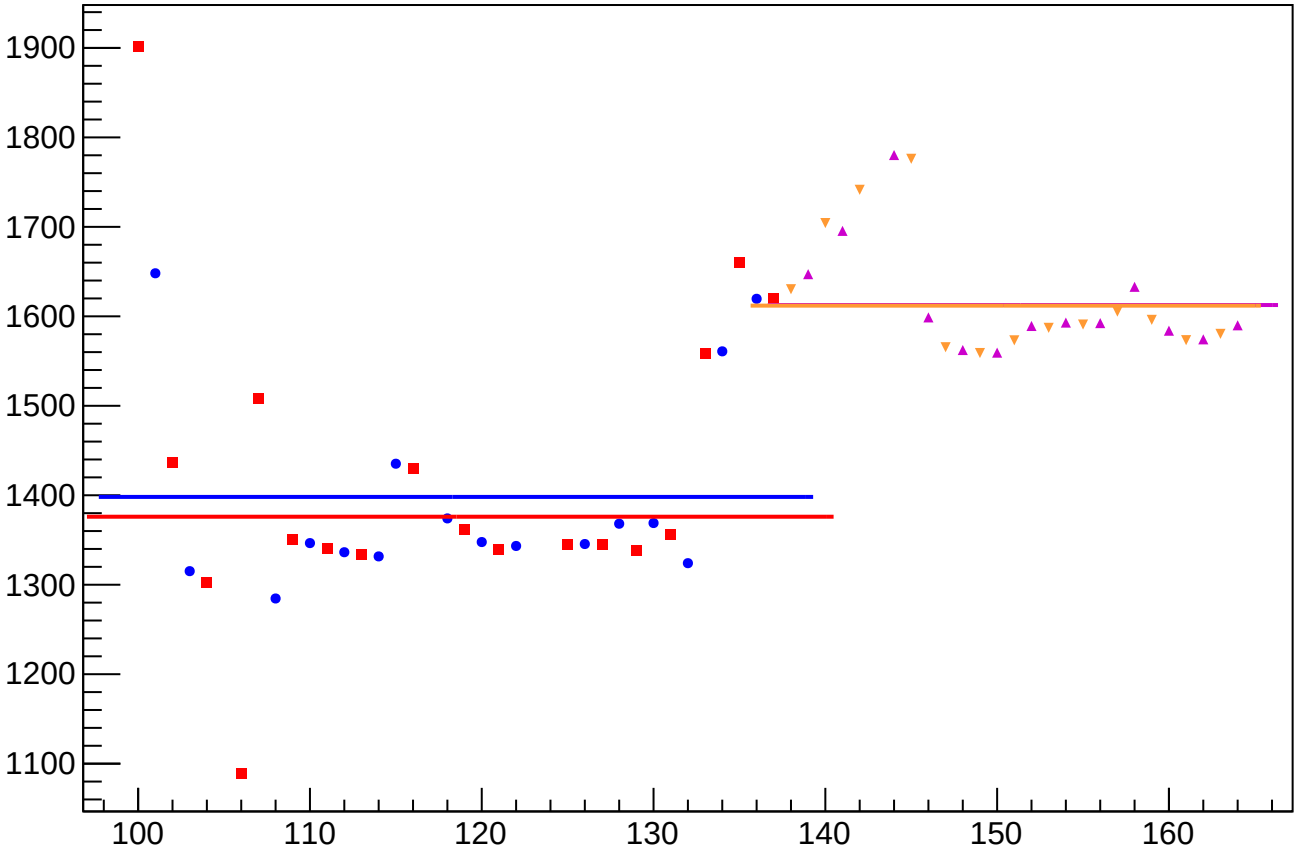
Left In: -2317.602+/-487.224 χ^2/NDF:10.0/12

+ sign 1489.657+/-361.236 χ^2/NDF: 33.0/28

All: -389.425+/-253.348 χ^2/NDF: 110.8/59

- 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: 1611.959+/-0.354 χ^2/NDF:30854.8/12

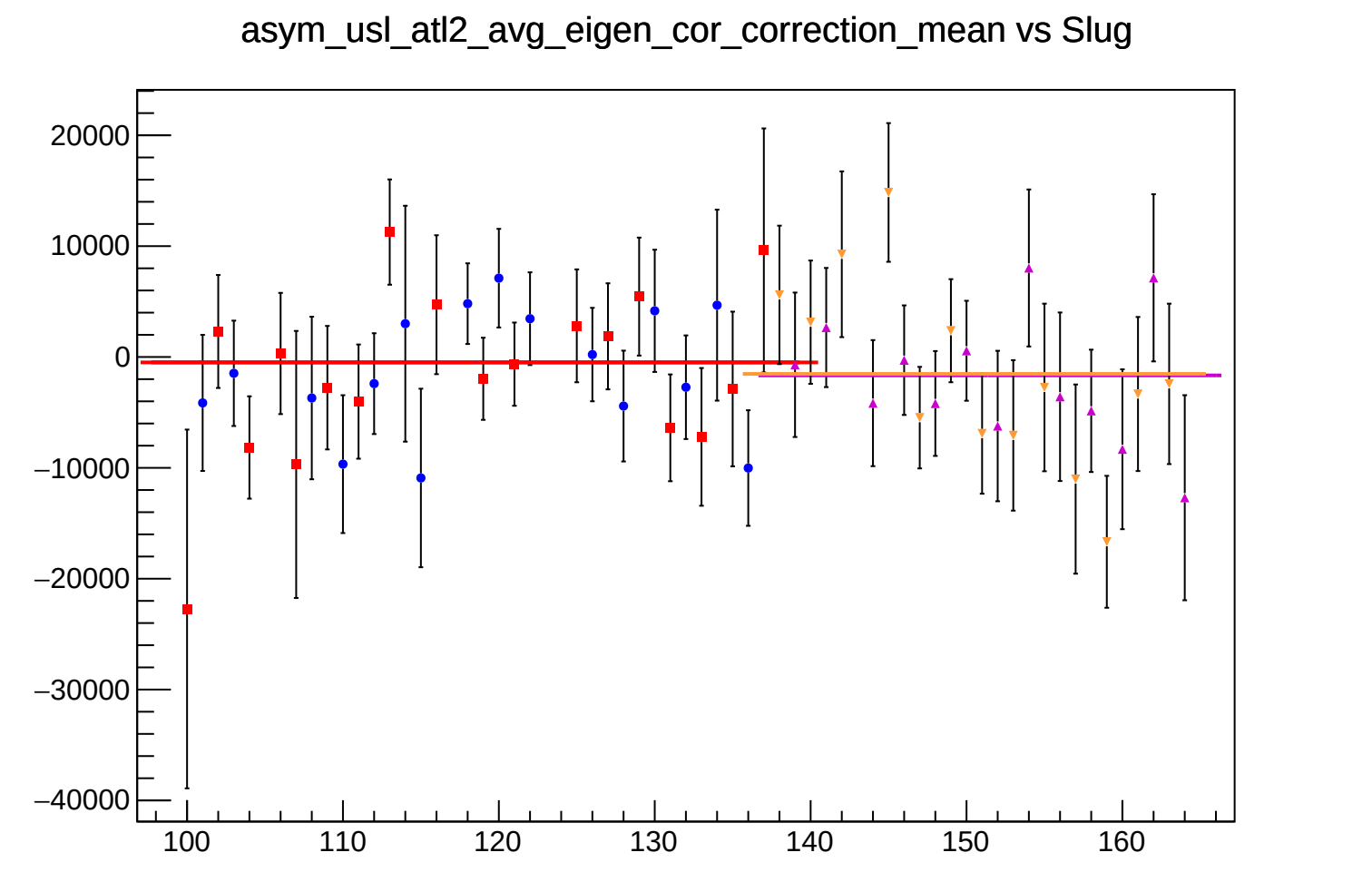
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

+ sign 1509.640+/-0.255 χ^2/NDF: 299601.2/28

All: 1504.889+/-0.179 χ^2/NDF: 665986.9/59

- 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: -1525.234+/-1689.633 χ^2/NDF:21.9/12

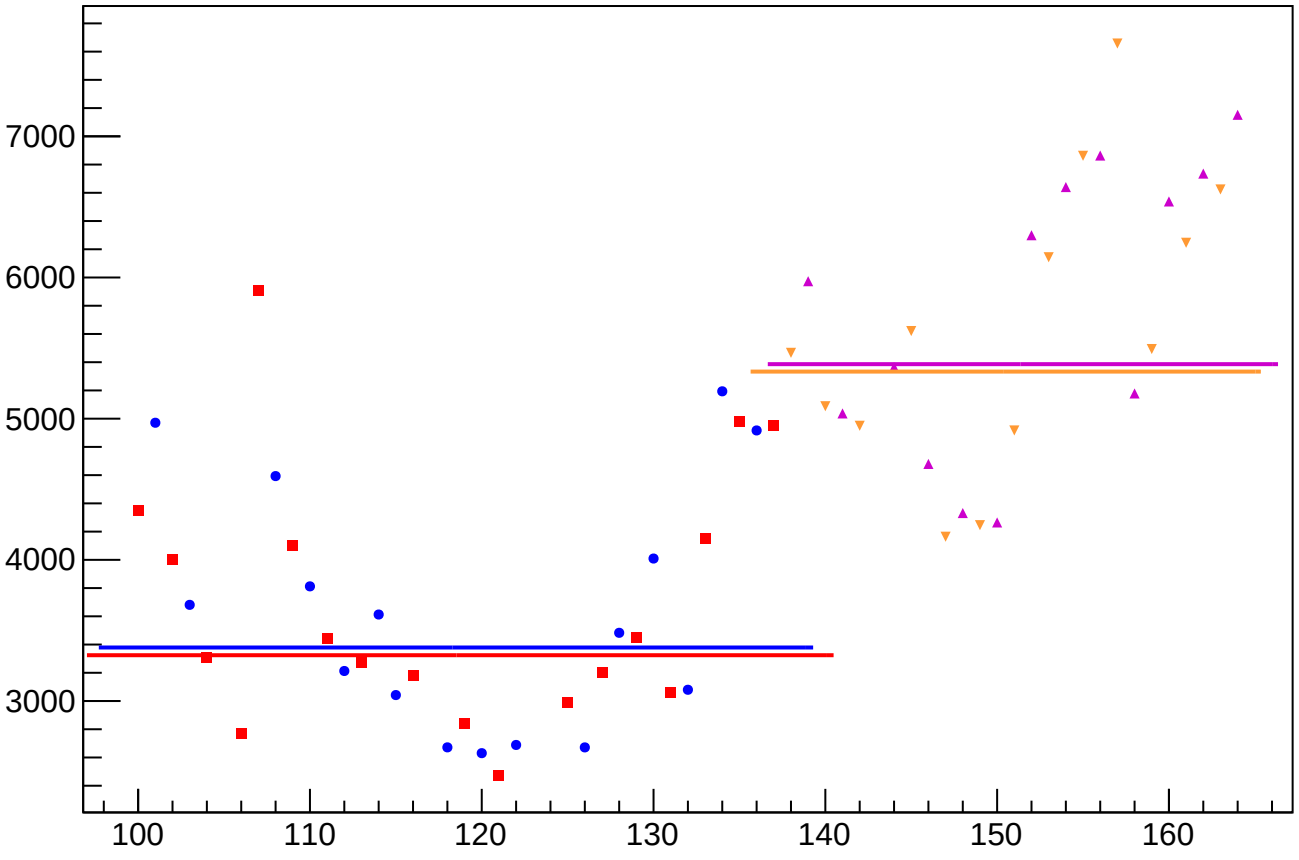
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1659.285+/-1656.845 χ^2/NDF:7.8/12

+ sign -870.897+/-1027.799 χ^2/NDF: 38.0/28

All: -895.074+/-718.053 χ^2/NDF: 64.9/59

- 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: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

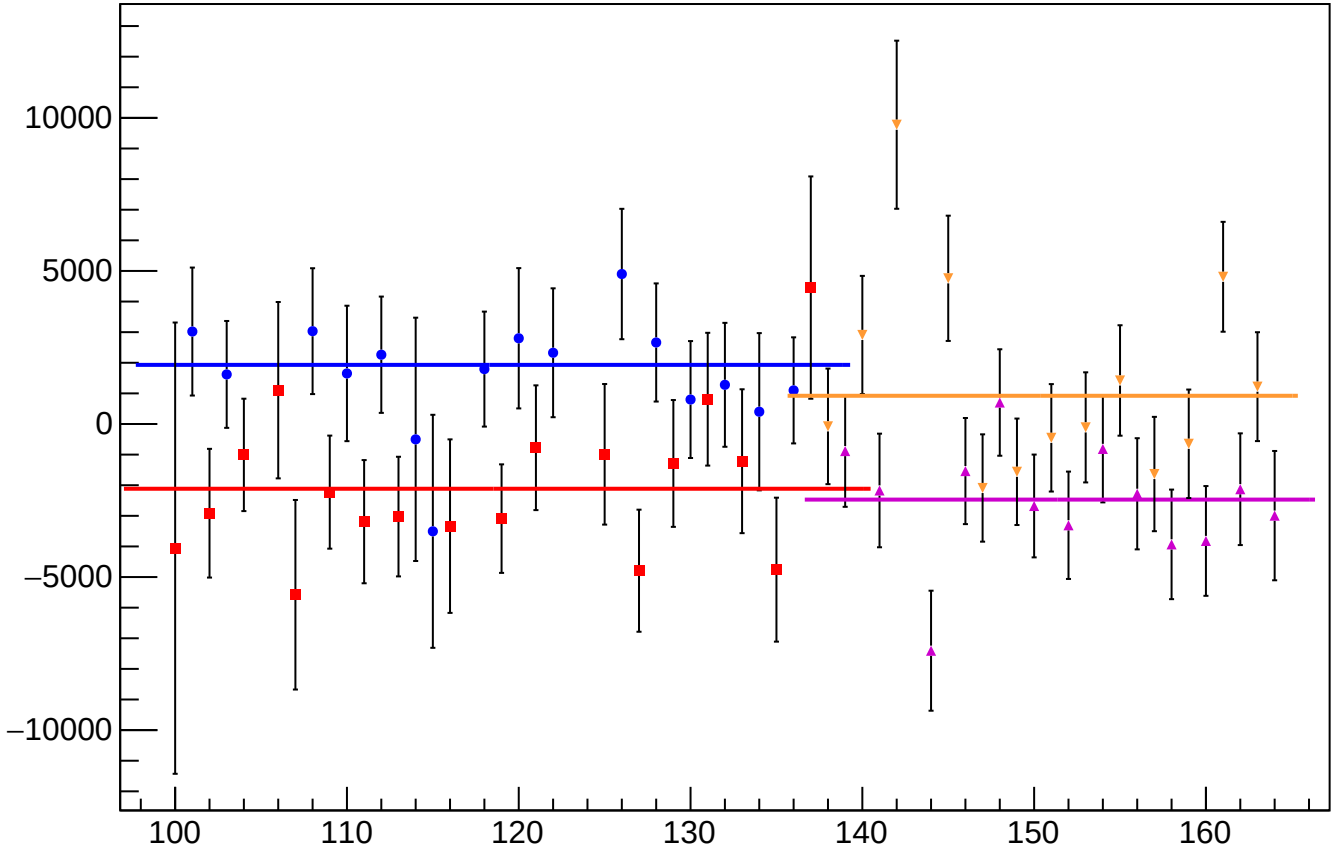
Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

+ sign 4102.296+/-0.727 χ^2/NDF: 3065307.6/28

All: 4091.345+/-0.508 χ^2/NDF: 6224512.2/59

- 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: 921.913+/-516.433 χ^2/NDF:28.6/12

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

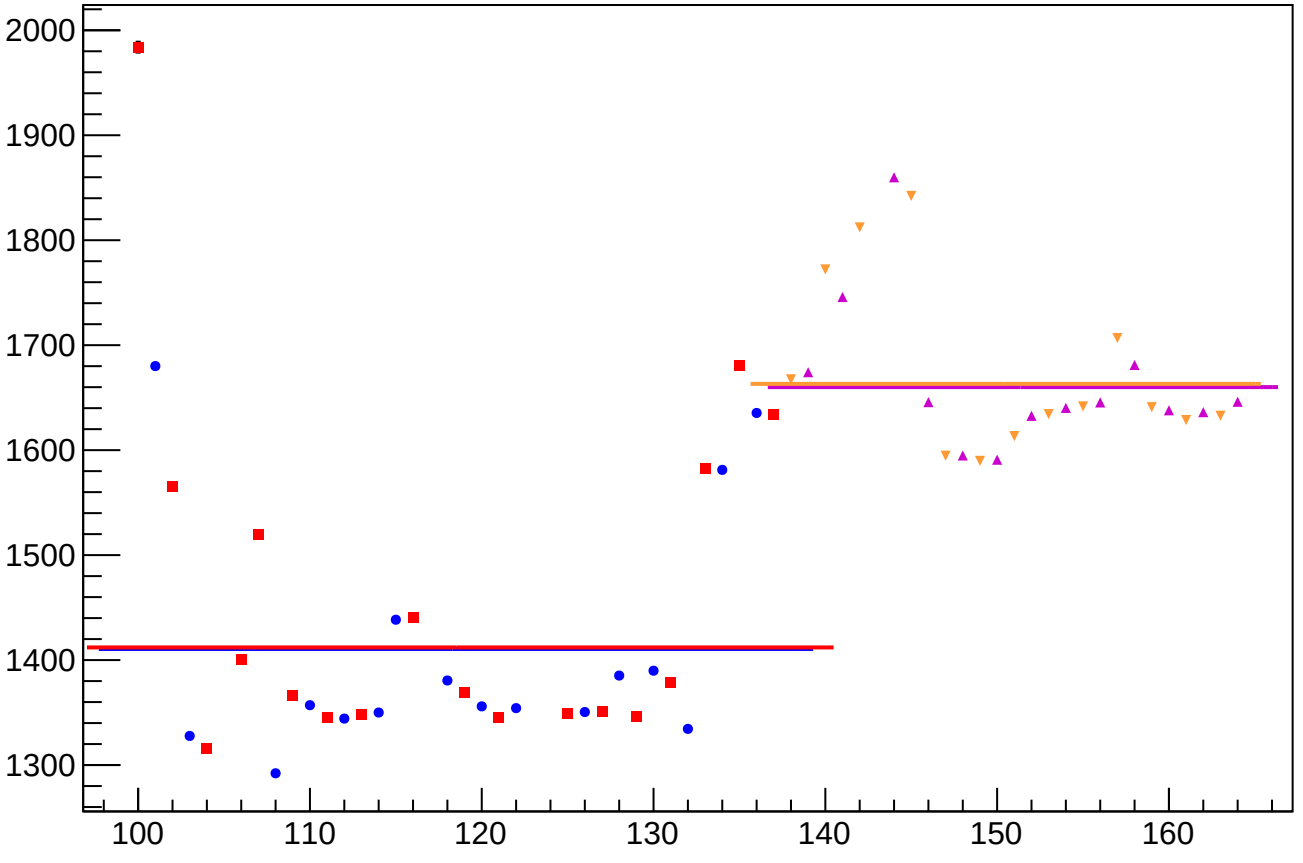
Left In: -2469.619+/-501.649 χ^2/NDF:13.2/12

+ sign 1416.371+/-368.899 χ^2/NDF: 36.9/28

All: -467.841+/-259.080 χ^2/NDF: 115.0/59

- 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: 1663.137+/-0.365 χ^2/NDF:39347.9/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

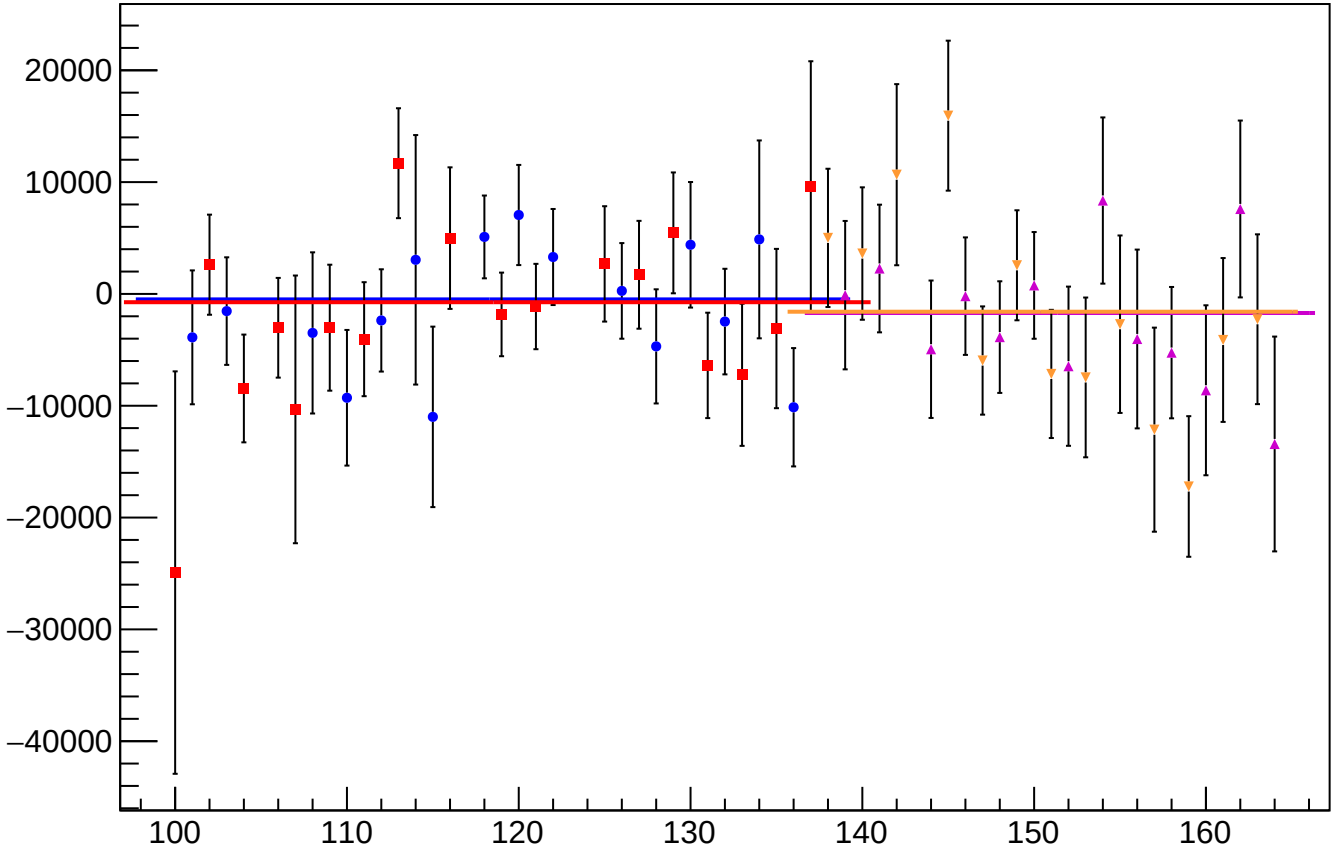
Left In: 1660.056+/-0.355 χ^2/NDF:33407.8/12

+ sign 1539.456+/-0.261 χ^2/NDF: 372725.8/28

All: 1540.875+/-0.183 χ^2/NDF: 728092.9/59

- sign 1542.252+/-0.257 χ^2/NDF: 355308.8/30

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1590.836+/-1780.817 χ^2/NDF:21.8/12

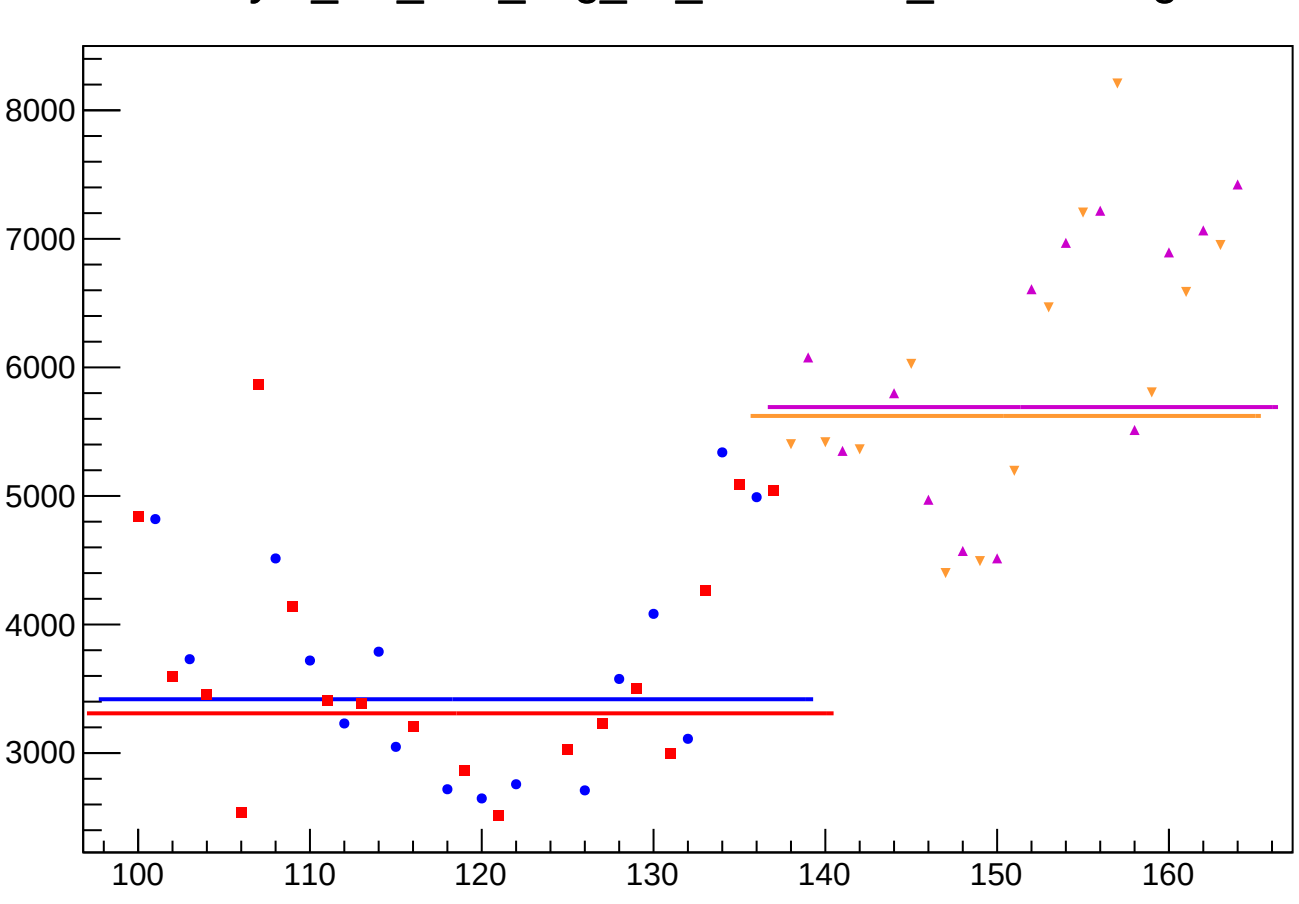
Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -1705.223+/-1749.391 χ^2/NDF:7.8/12

+ sign -875.644+/-1054.556 χ^2/NDF: 37.9/28

All: -974.330+/-731.649 χ^2/NDF: 65.1/59

- sign -1065.922+/-1015.941 χ^2/NDF: 27.2/30



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5622.437+/-1.259 χ^2/NDF:623997.3/12

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

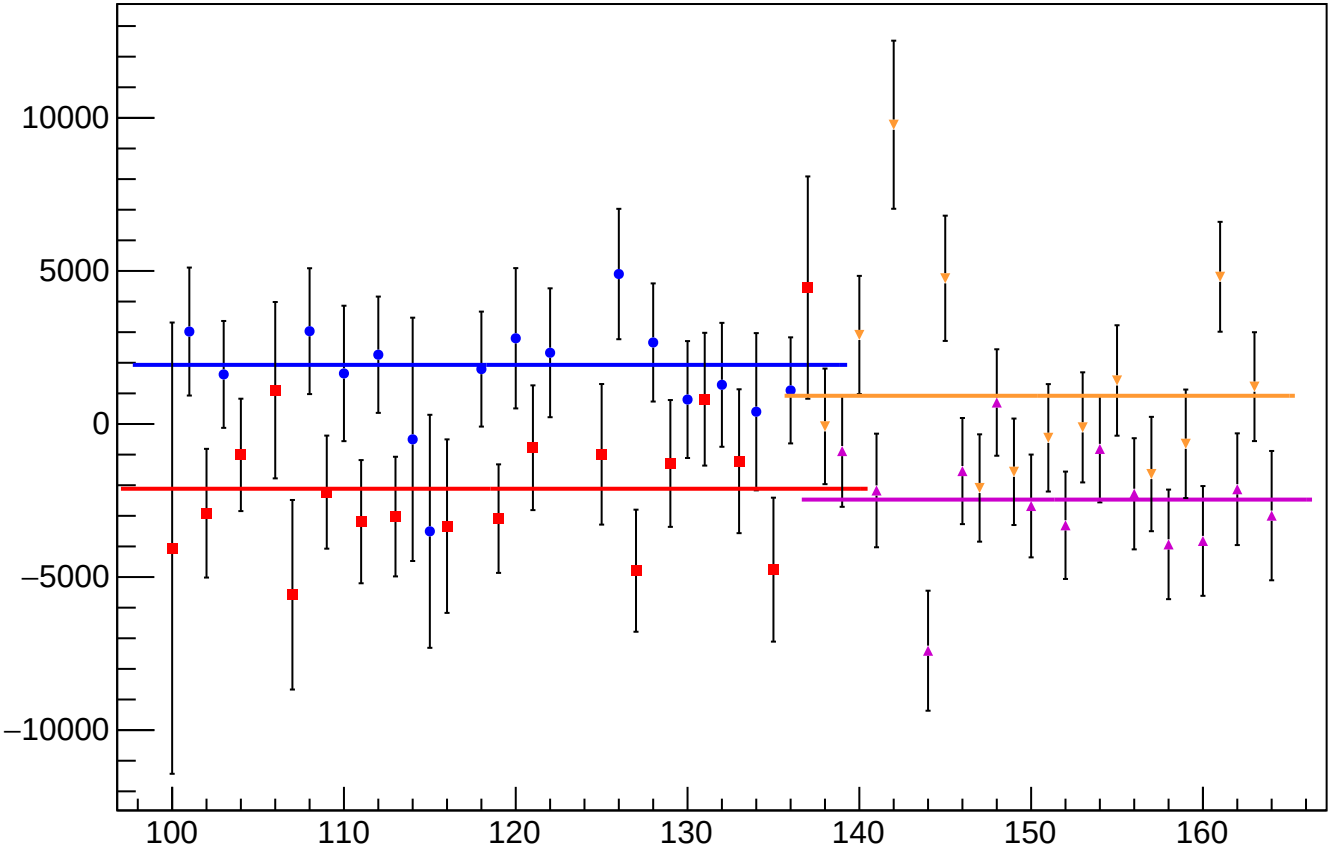
Left In: 5691.467+/-1.237 χ^2/NDF:616930.0/12

+ sign 4191.488+/-0.746 χ^2/NDF: 3333938.7/28

All: 4150.564+/-0.517 χ^2/NDF: 6986792.6/59

- 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: 921.906+/-516.433 χ^2/NDF:28.6/12

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

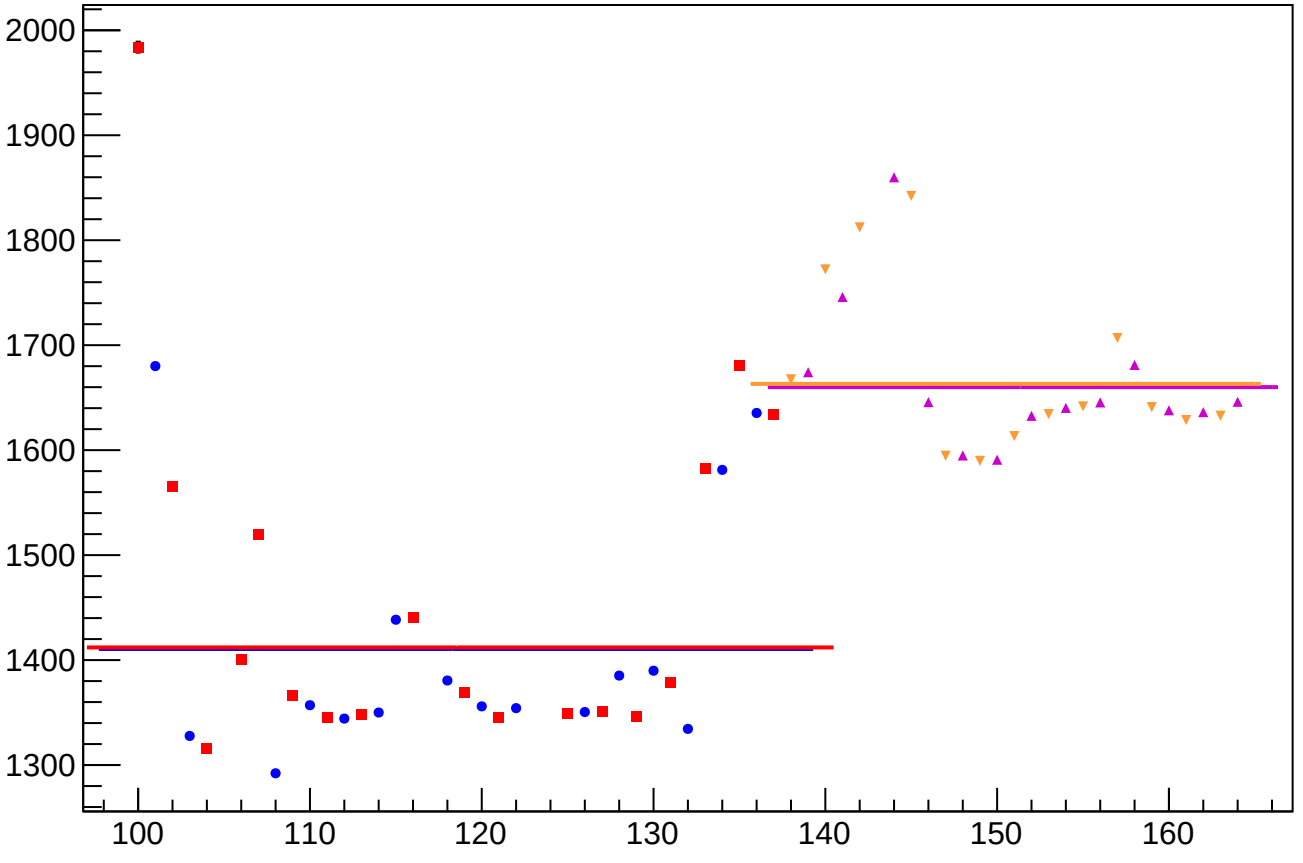
Left In: -2469.621+/-501.649 χ^2/NDF:13.2/12

+ sign 1416.369+/-368.899 χ^2/NDF: 36.9/28

All: -467.843+/-259.080 χ^2/NDF: 115.0/59

- 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: 1663.138+/-0.365 χ^2/NDF:39348.7/12

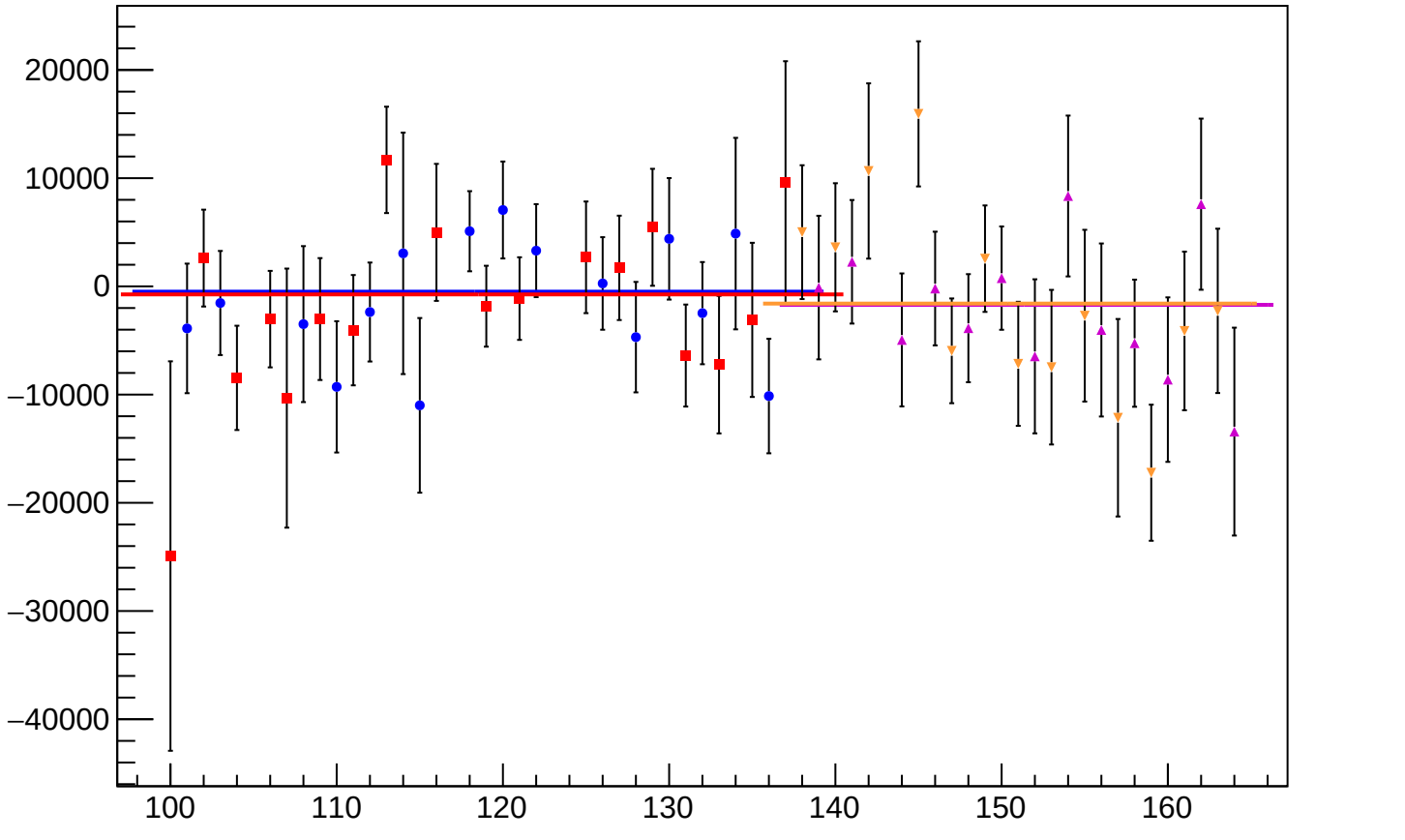
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.058+/-0.355 χ^2/NDF:33408.2/12

+ sign 1539.457+/-0.261 χ^2/NDF: 372728.8/28

All: 1540.875+/-0.183 χ^2/NDF: 728099.2/59

- 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: -1590.846+/-1780.819 χ^2/NDF:21.8/12

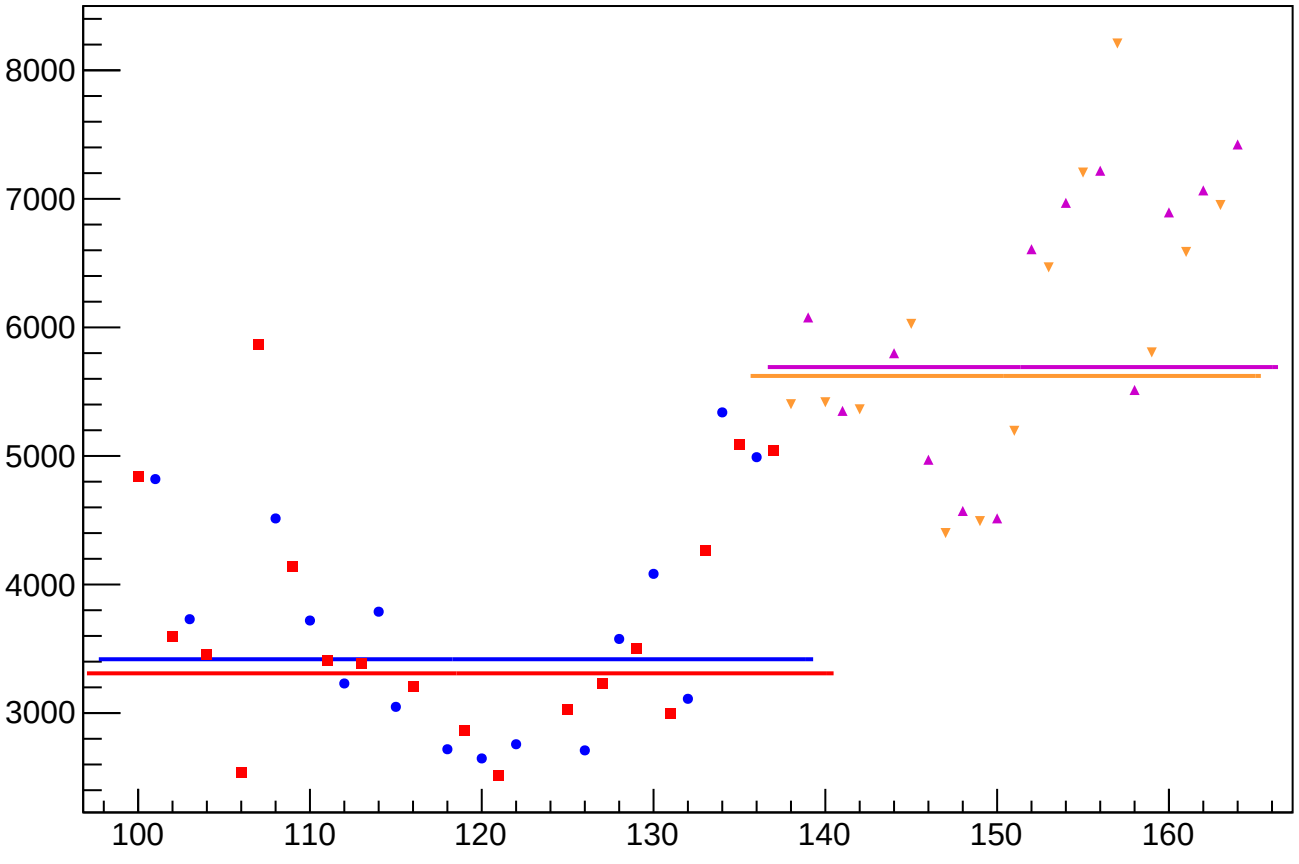
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1705.224+/-1749.394 χ^2/NDF:7.8/12

\+ sign -875.640+/-1054.554 χ^2/NDF: 37.9/28

All: -974.329+/-731.648 χ^2/NDF: 65.1/59

\- 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: 5622.444+/-1.259 χ^2/NDF:623999.9/12

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

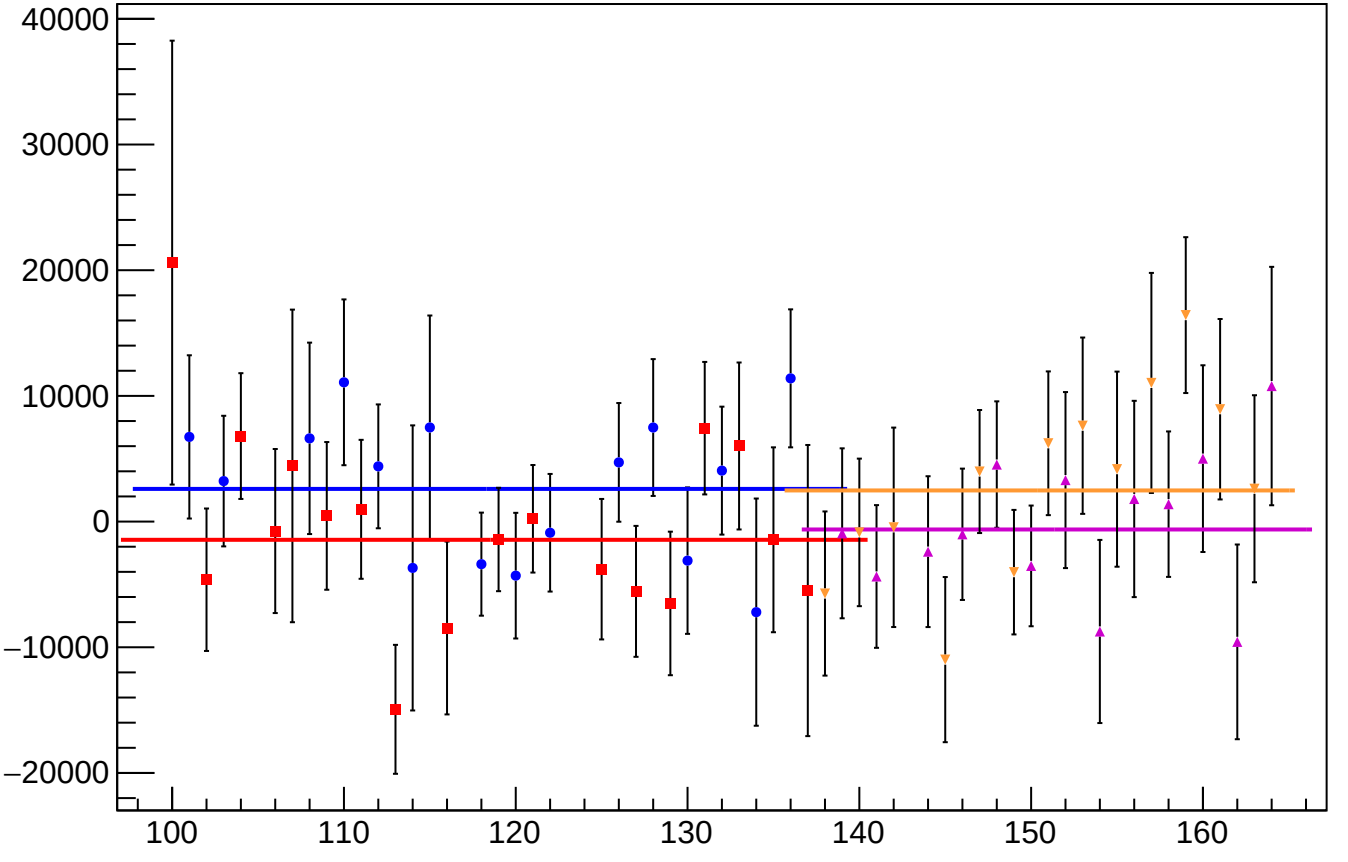
Left In: 5691.473+/-1.237 χ^2/NDF:616932.8/12

+ sign 4191.479+/-0.746 χ^2/NDF: 3333983.5/28

All: 4150.555+/-0.517 χ^2/NDF: 6986879.3/59

- 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: 2477.750+/-1773.216 χ^2/NDF:15.9/12

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

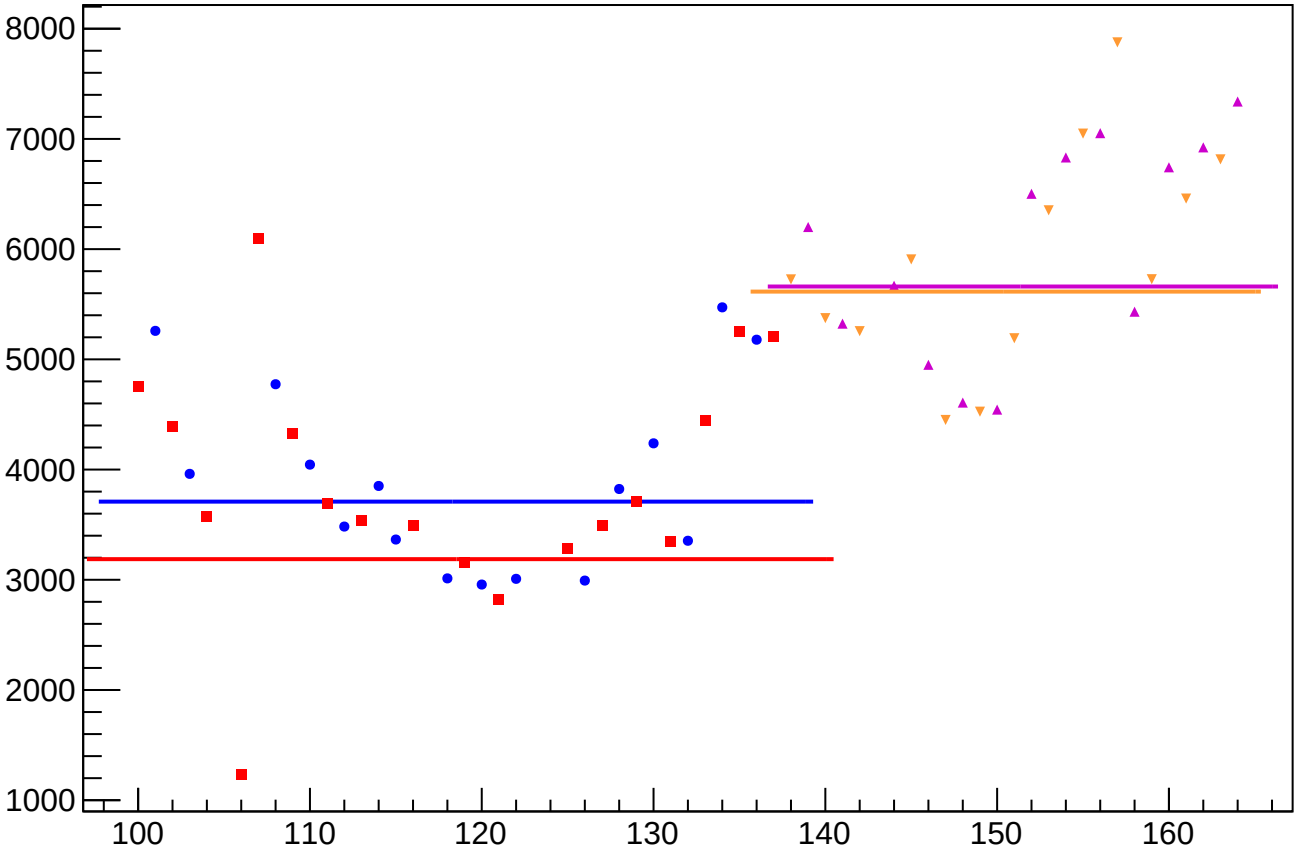
Left In: -628.398+/-1736.557 χ^2/NDF:7.1/12

+ sign 2552.229+/-1105.776 χ^2/NDF: 29.4/28

All: 669.939+/-773.267 χ^2/NDF: 61.3/59

- 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: 5614.716+/-1.254 χ^2/NDF:537041.9/12

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

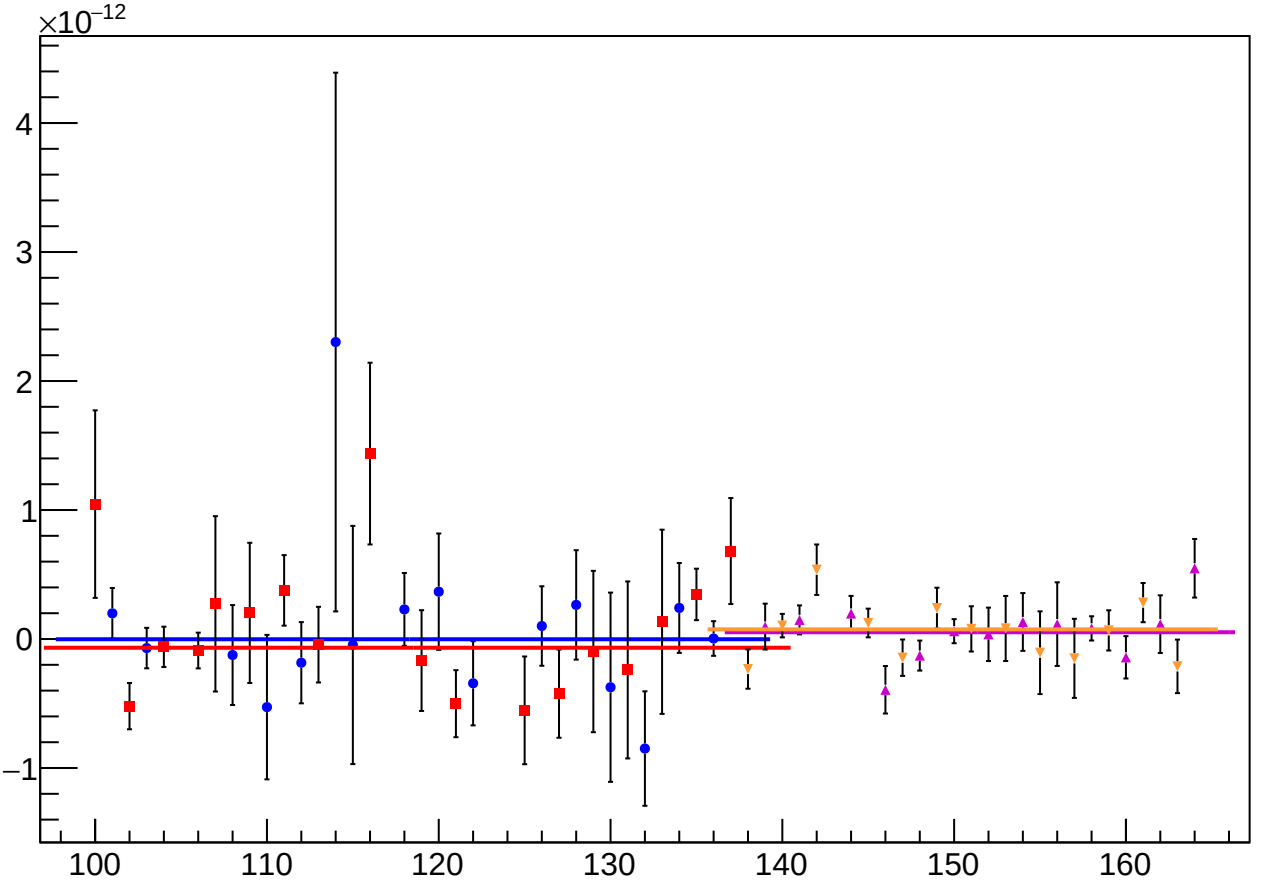
Left In: 5660.921+/-1.228 χ^2/NDF:557947.2/12

+ sign 4450.180+/-0.782 χ^2/NDF: 2559185.2/28

All: 4232.524+/-0.531 χ^2/NDF: 7521029.0/59

- 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:18.1/12

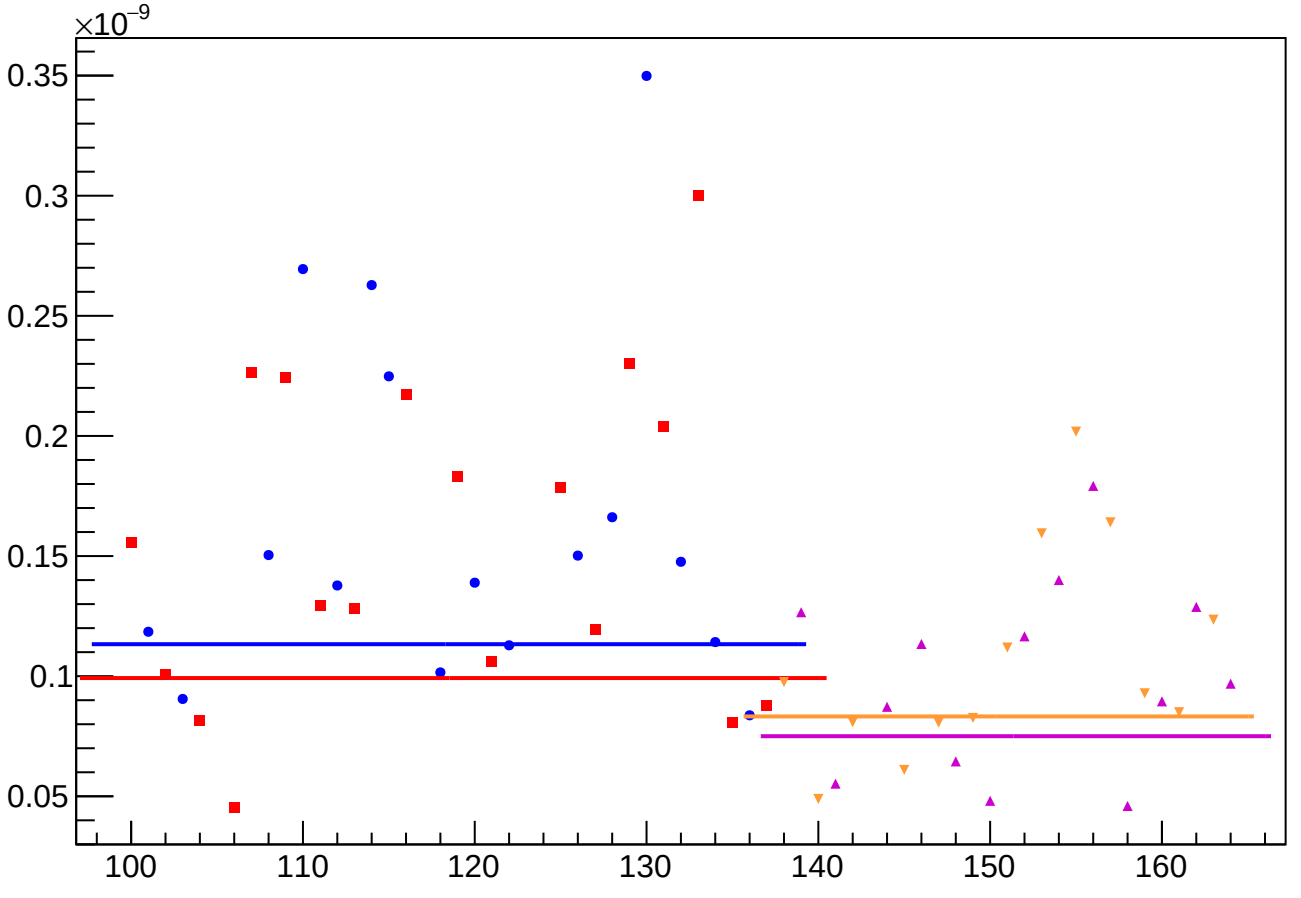
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:16.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/28

All: 0.000+/-0.000 χ^2/NDF: 79.2/59

- 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:1115281.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

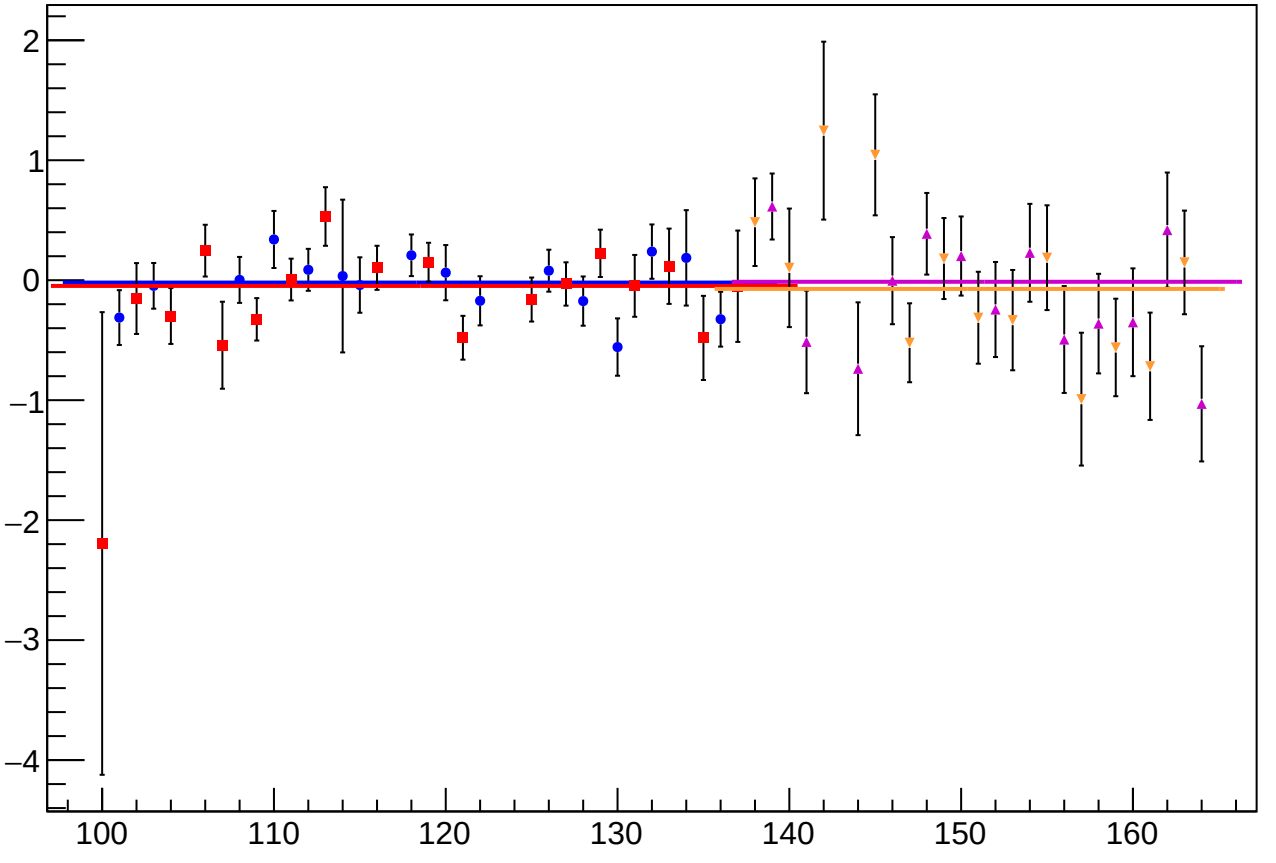
Left In: 0.000+/-0.000 χ^2/NDF:1312360.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 2036120.7/28

All: 0.000+/-0.000 χ^2/NDF: 4725134.5/59

- sign 0.000+/-0.000 χ^2/NDF: 2611413.3/30

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.072+/-0.117 χ^2/NDF:20.6/12

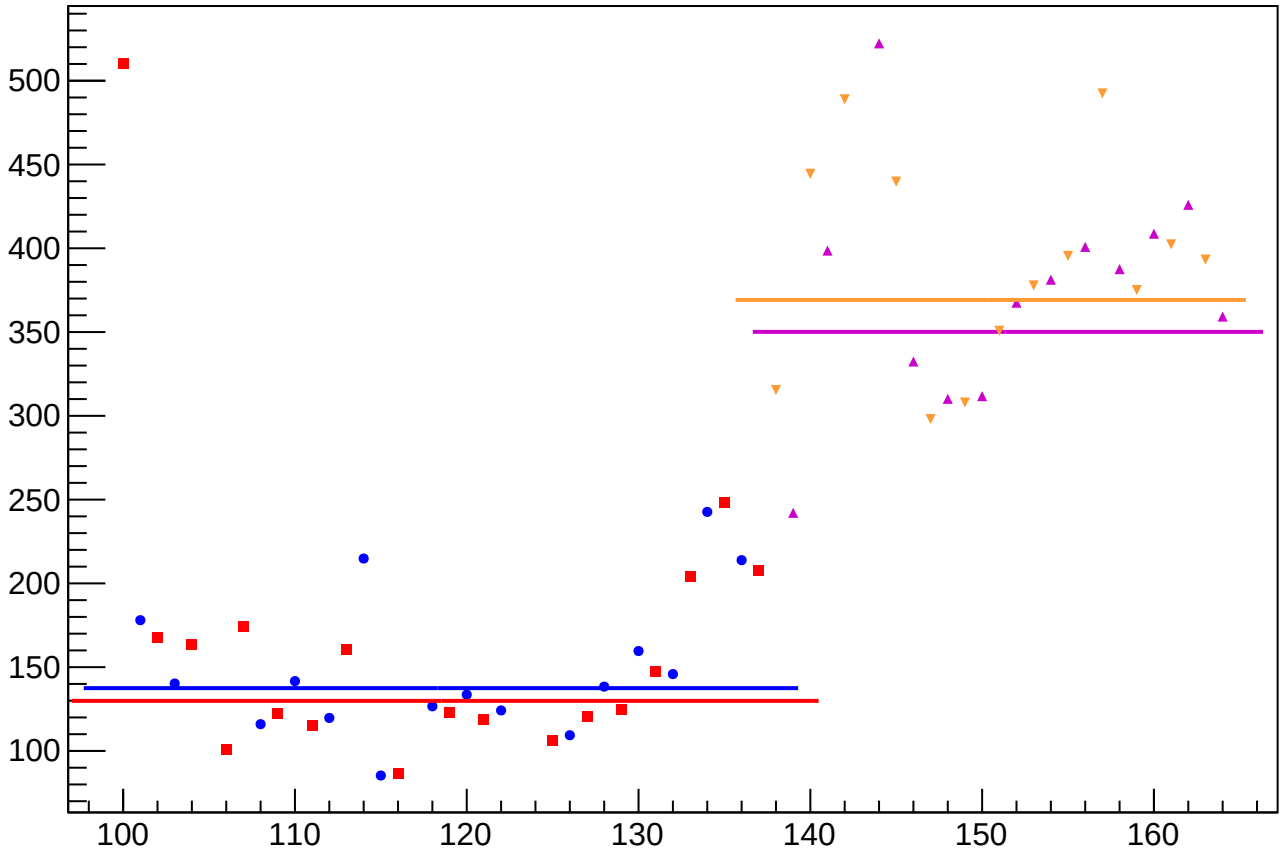
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.035+/-0.034 χ^2/NDF: 81.7/59

- 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: 369.176+/-0.083 χ^2/NDF:469852.5/12

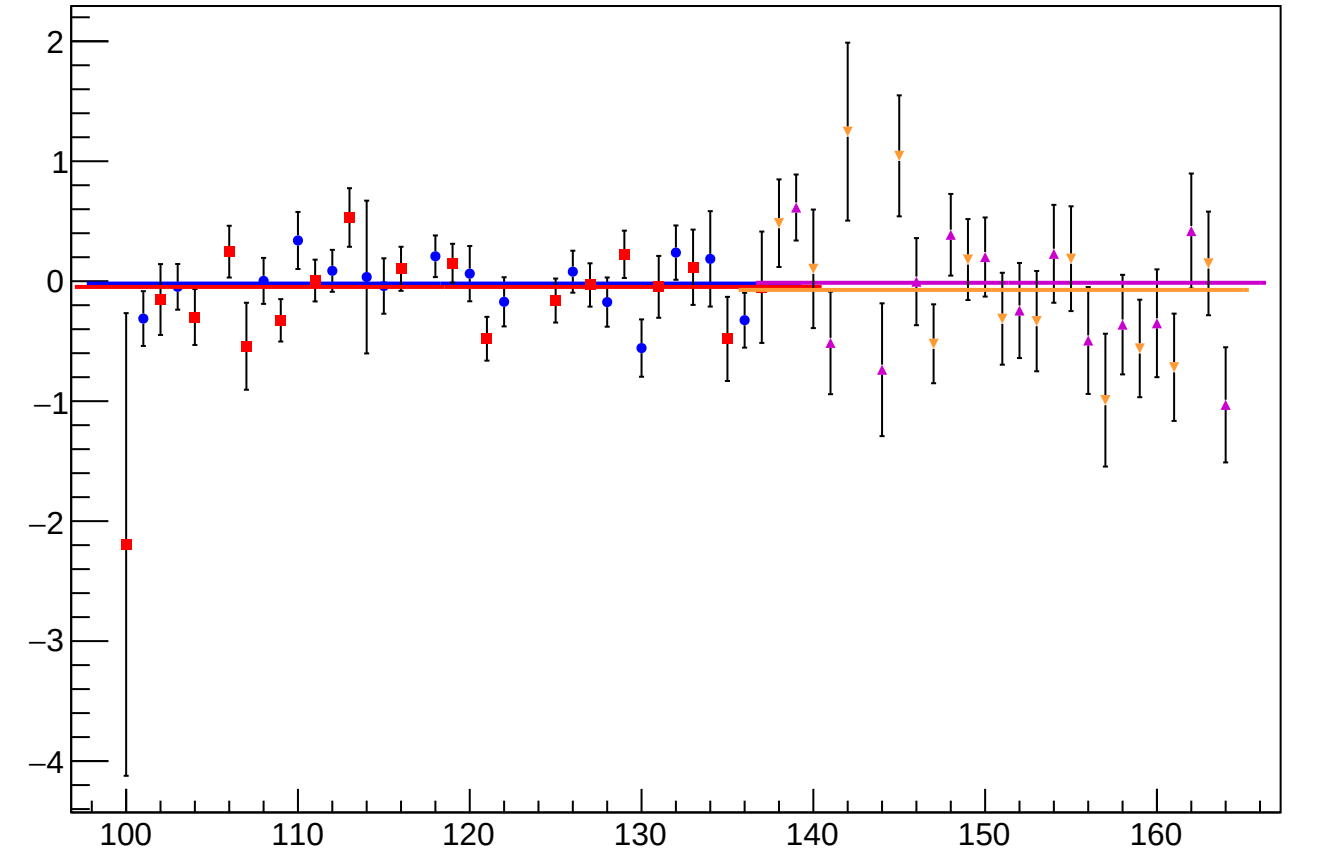
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

+ sign 178.326+/-0.035 χ^2/NDF: 7602210.4/28

All: 174.712+/-0.024 χ^2/NDF: 15817516.0/59

- 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: -0.072+/-0.117 χ^2/NDF:20.6/12

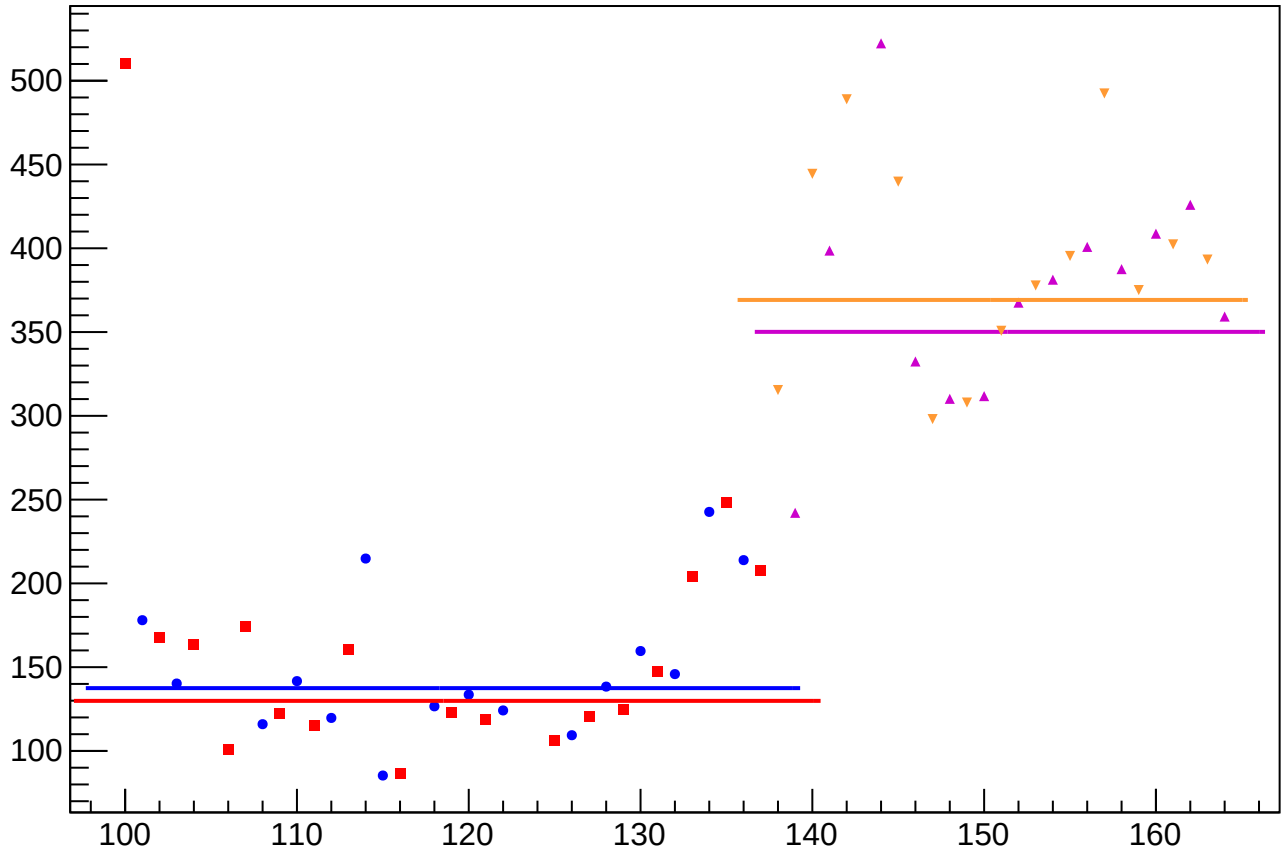
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.035+/-0.034 χ^2/NDF: 81.7/59

- 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: 369.176+/-0.083 χ^2/NDF:469852.5/12

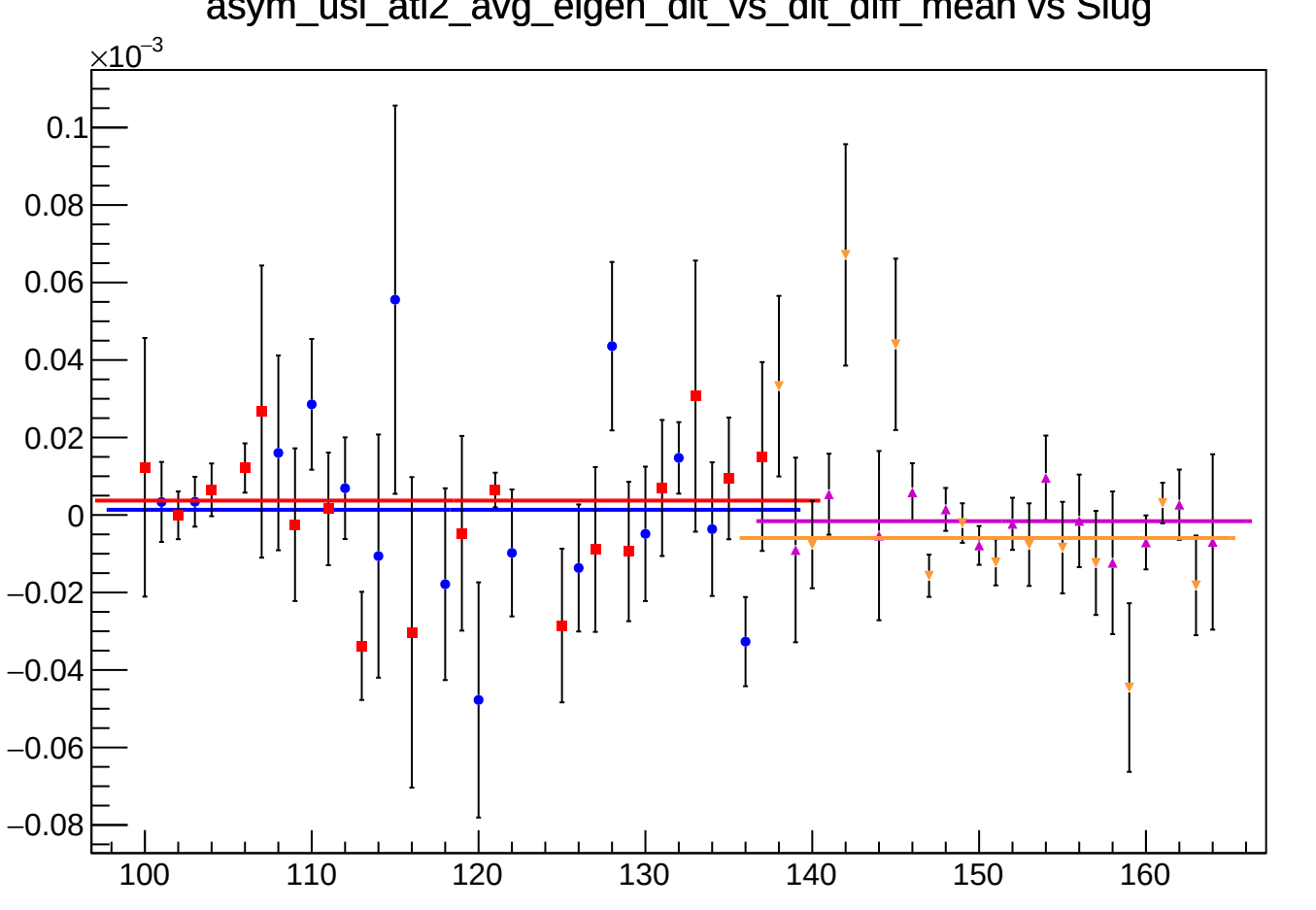
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

+ sign 178.326+/-0.035 χ^2/NDF: 7602210.4/28

All: 174.712+/-0.024 χ^2/NDF: 15817516.0/59

- 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:26.7/12

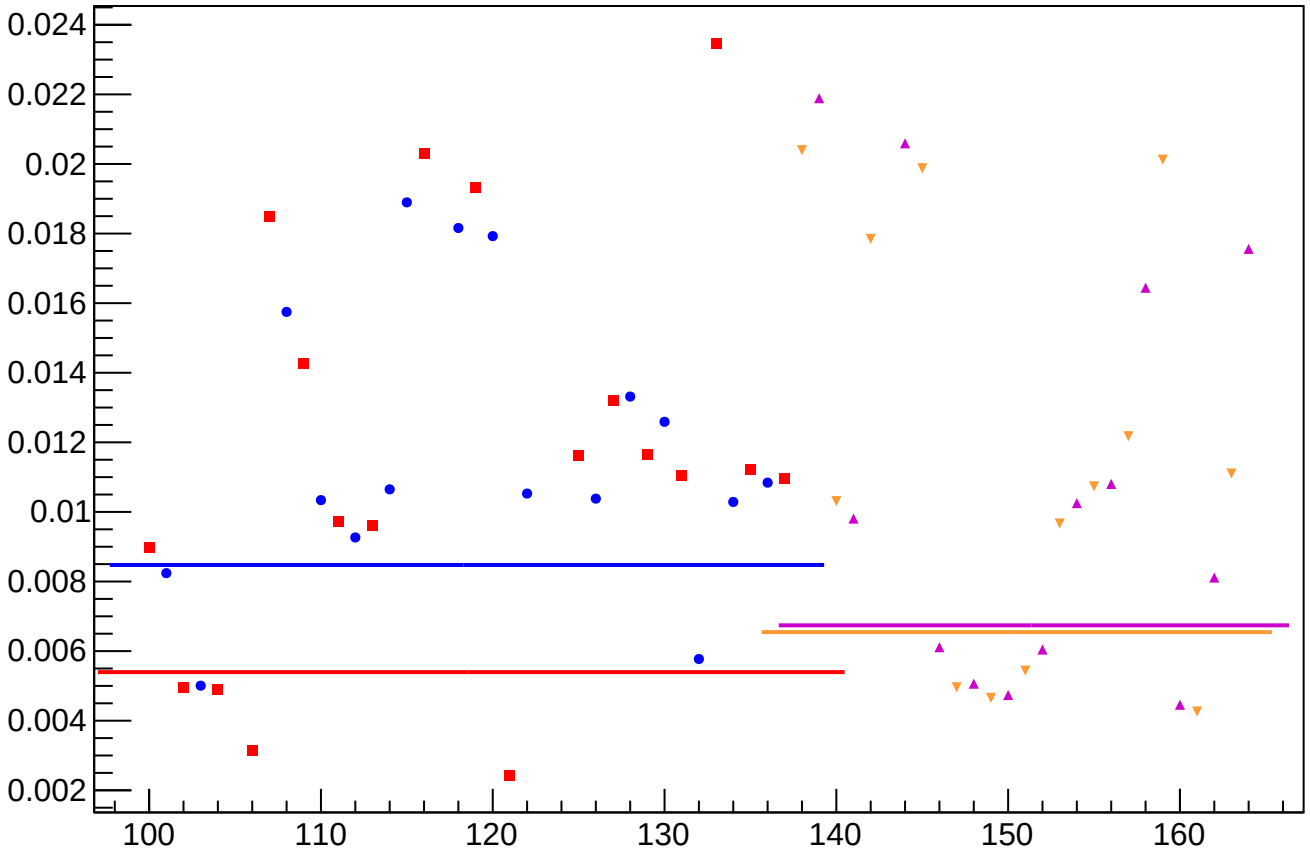
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 53.7/28

All: -0.000+/-0.000 χ^2/NDF: 80.5/59

- 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:4669790.9/12

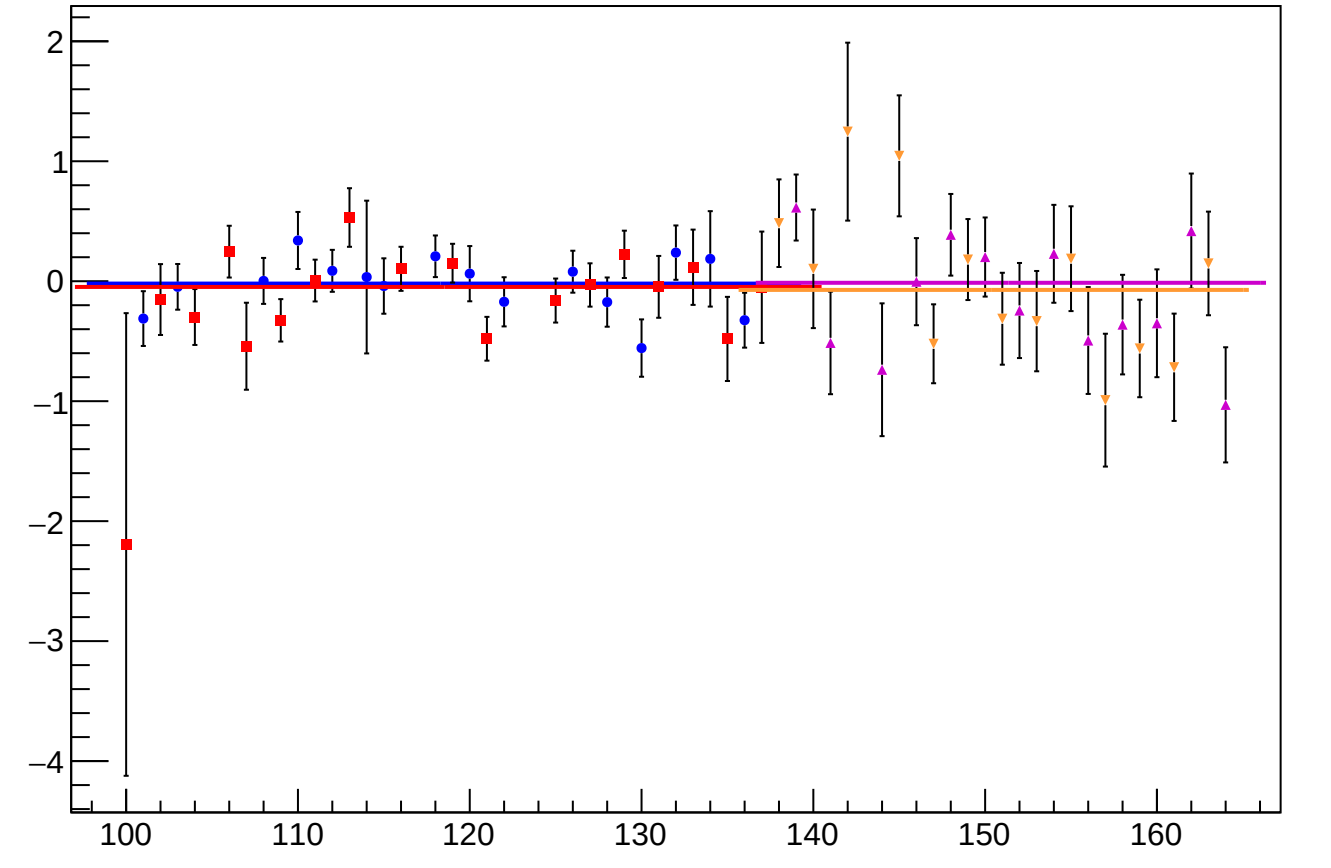
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4035207.7/12

+ sign 0.007+/-0.000 χ^2/NDF: 7022437.5/28

All: 0.007+/-0.000 χ^2/NDF: 16592787.2/59

- 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: -0.072+/-0.117 χ^2/NDF:20.6/12

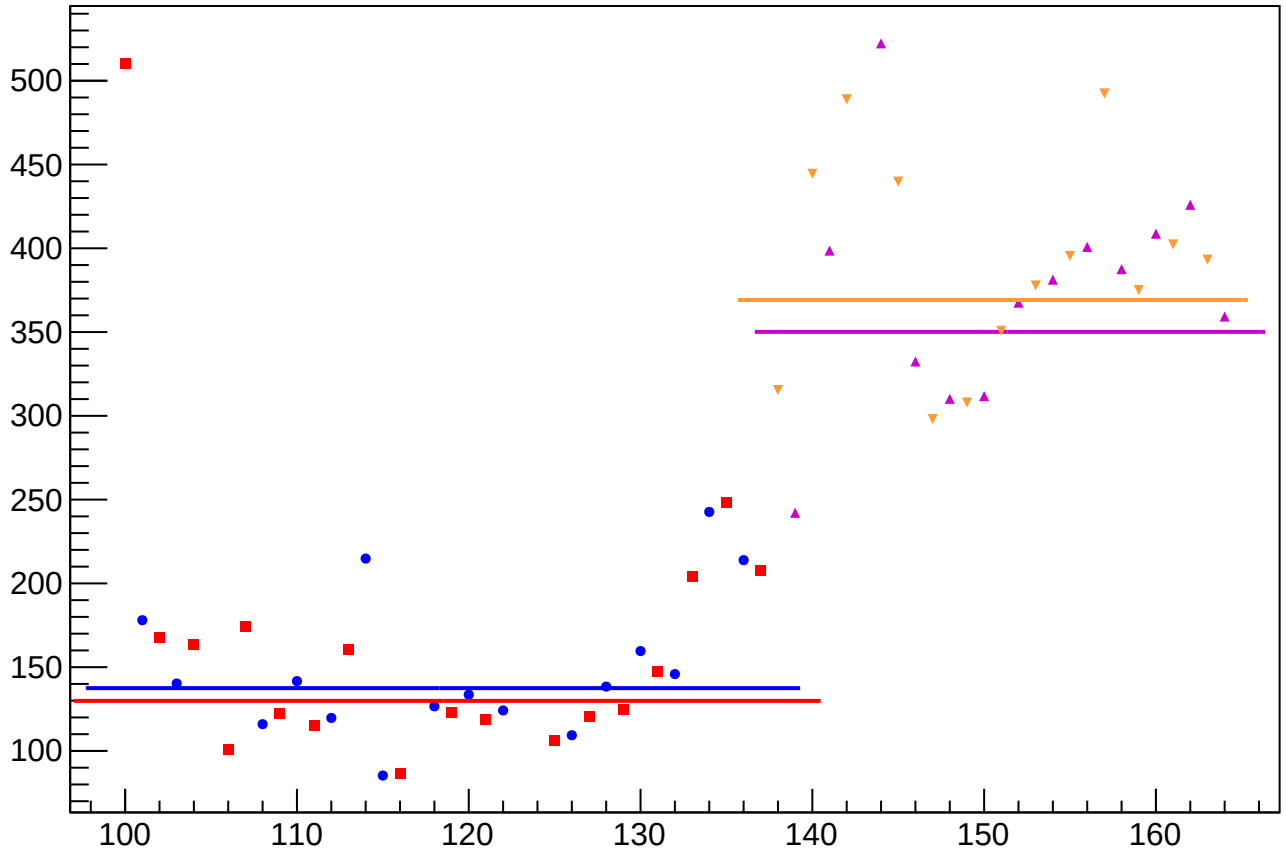
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.035+/-0.034 χ^2/NDF: 81.7/59

- 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: 369.180+/-0.083 χ^2/NDF:469895.8/12

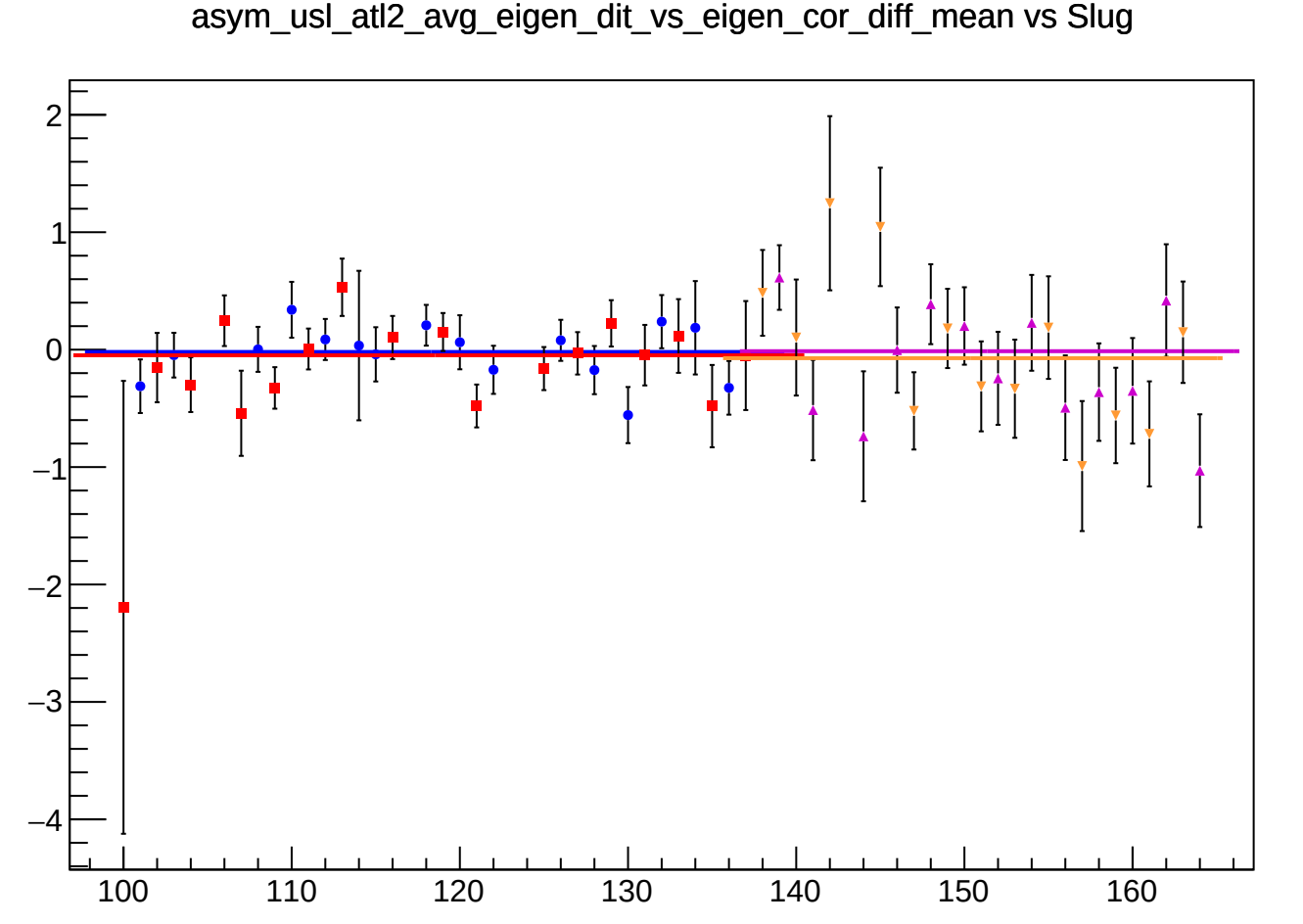
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

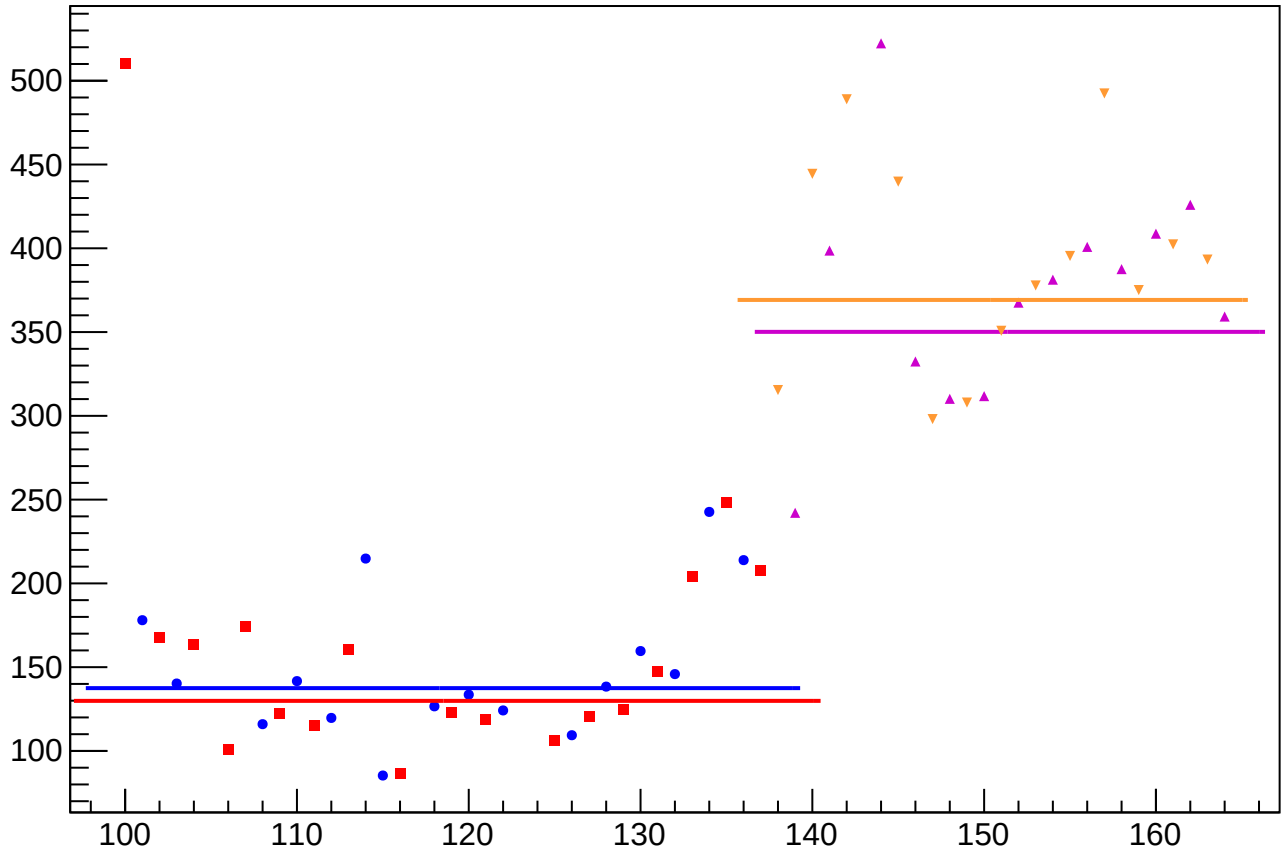
Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

+ sign 178.325+/-0.035 χ^2/NDF: 7602345.8/28

All: 174.712+/-0.024 χ^2/NDF: 15817763.1/59

- 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: -0.072+/-0.117 χ²/NDF:20.6/12
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.013+/-0.109 χ²/NDF:18.5/12
+ sign -0.029+/-0.049 χ²/NDF: 36.8/28
All: -0.035+/-0.034 χ²/NDF: 81.7/59
- sign -0.041+/-0.047 χ²/NDF: 44.9/30



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

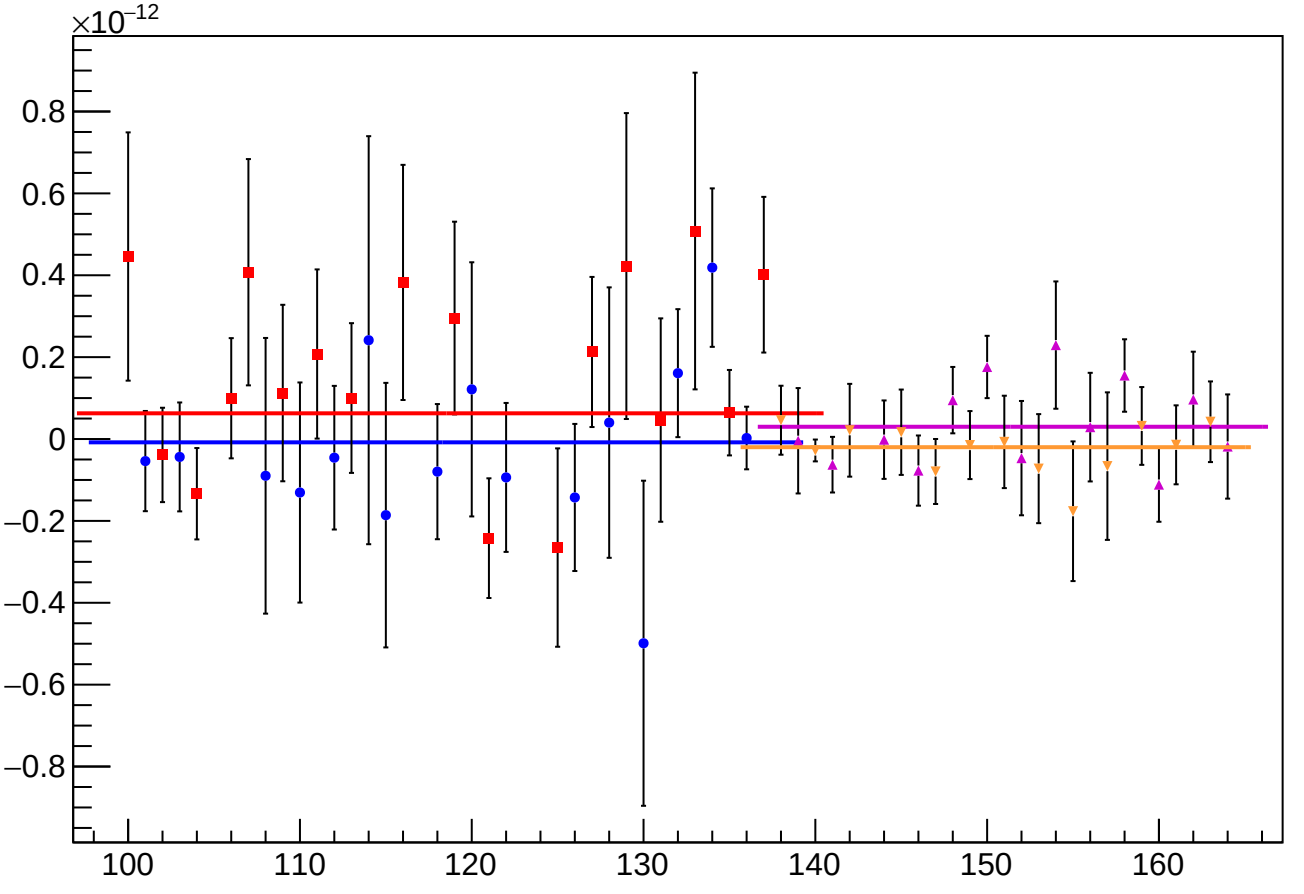
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

+ sign 178.325+/-0.035 χ^2/NDF: 7602345.8/28

All: 174.712+/-0.024 χ^2/NDF: 15817763.1/59

- 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:3.3/12

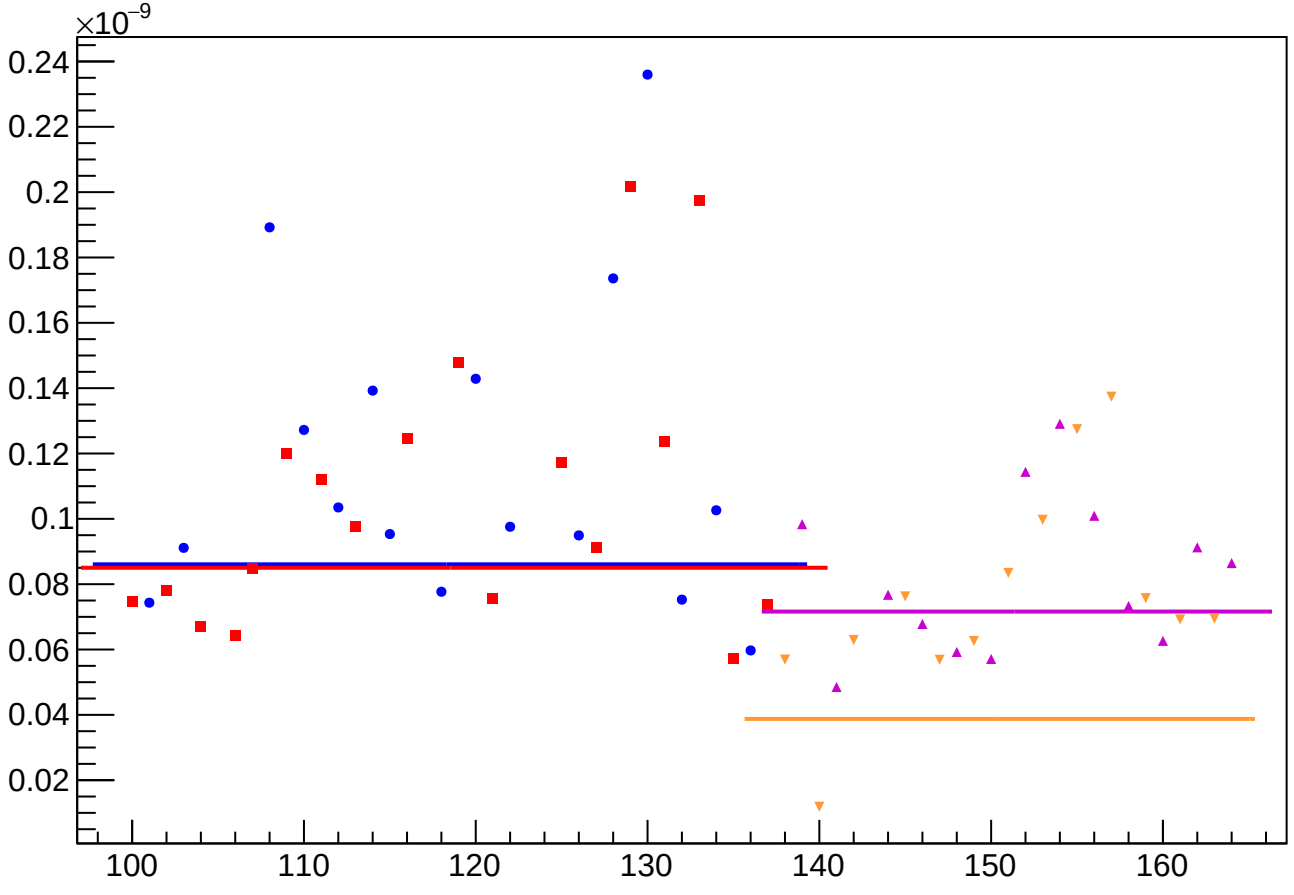
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 13.2/28

All: 0.000+/-0.000 χ^2/NDF: 54.5/59

- 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:5310937.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

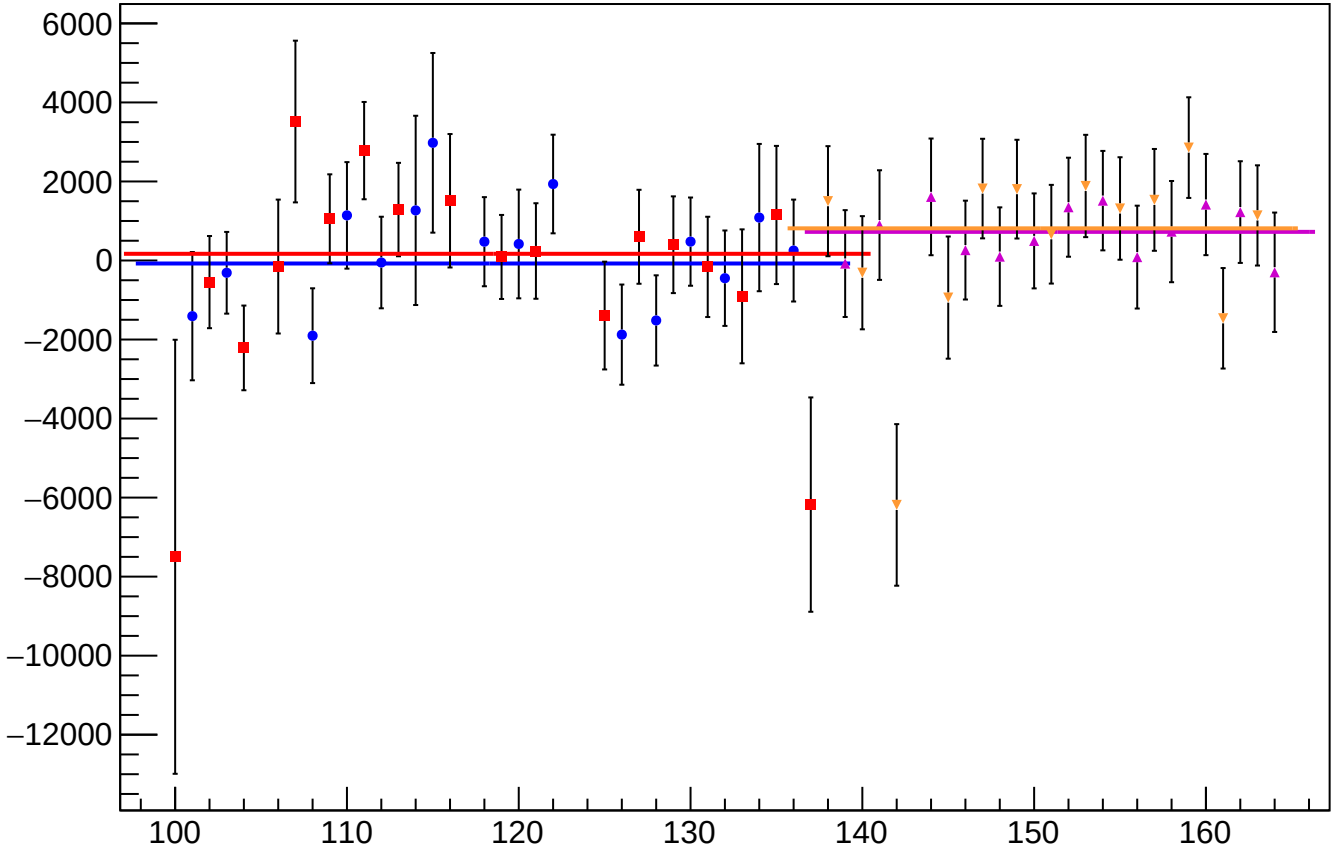
Left In: 0.000+/-0.000 χ^2/NDF:1108953.7/12

\+ sign 0.000+/-0.000 χ^2/NDF: 8419969.5/28

All: 0.000+/-0.000 χ^2/NDF: 12579154.1/59

\- 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: 813.828+/-372.073 χ^2/NDF:22.1/12

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

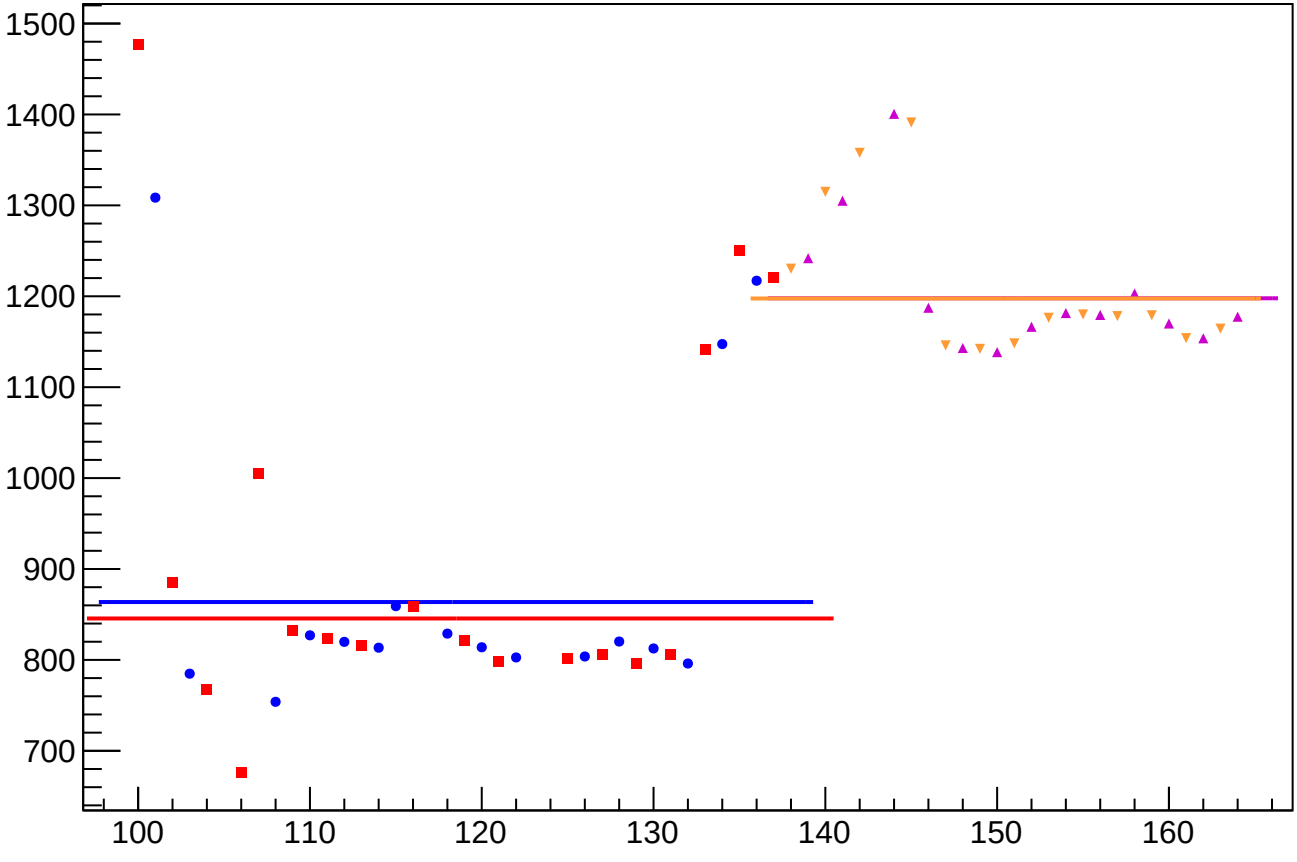
Left In: 724.569+/-362.236 χ^2/NDF:2.9/12

+ sign 310.775+/-245.294 χ^2/NDF: 38.7/28

All: 363.526+/-171.762 χ^2/NDF: 67.4/59

- 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: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

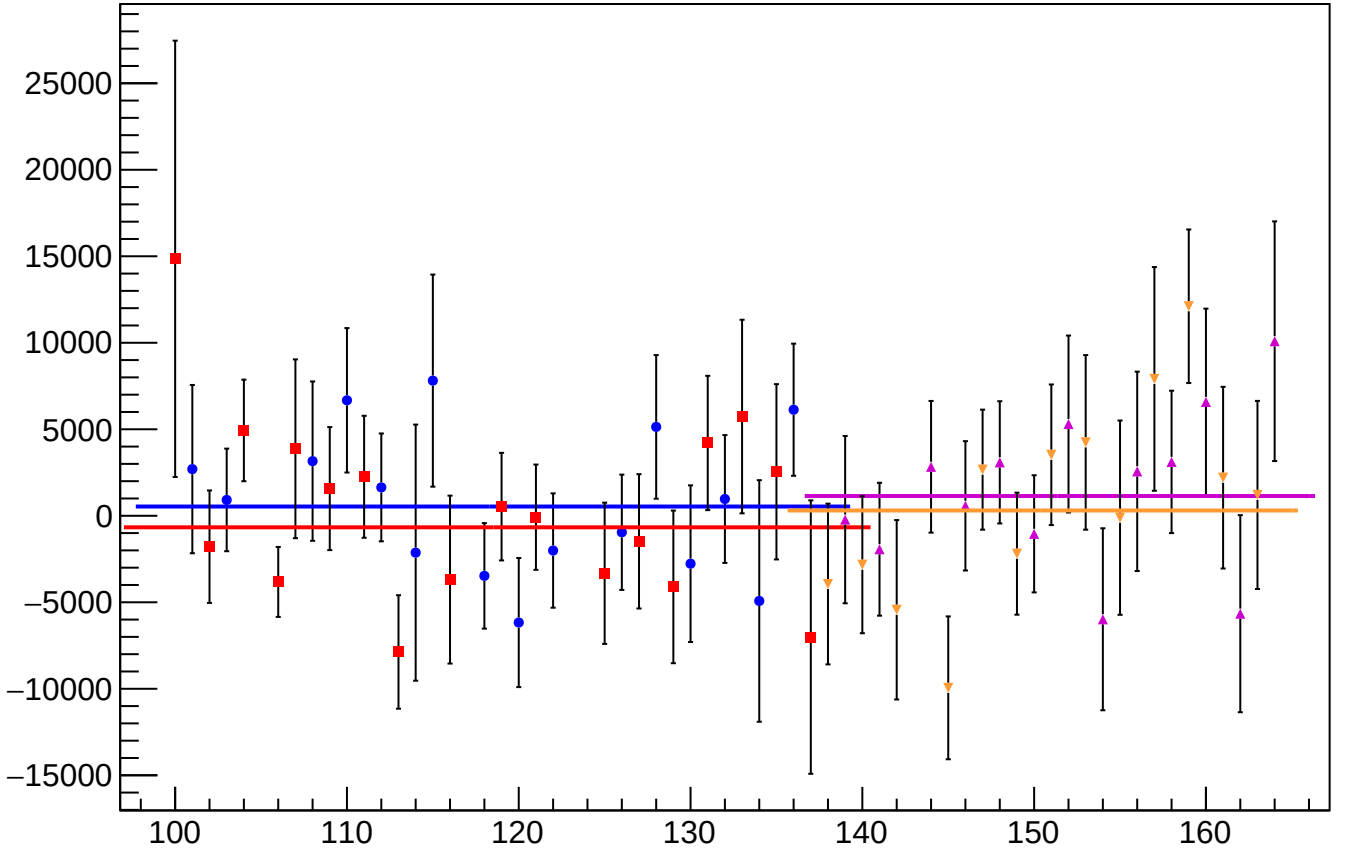
Left In: 1197.790+/-0.256 χ^2/NDF:66358.4/12

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.6/28

All: 1003.660+/-0.121 χ^2/NDF: 2836405.5/59

- 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: 306.725+/-1244.393 χ^2/NDF:19.7/12

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

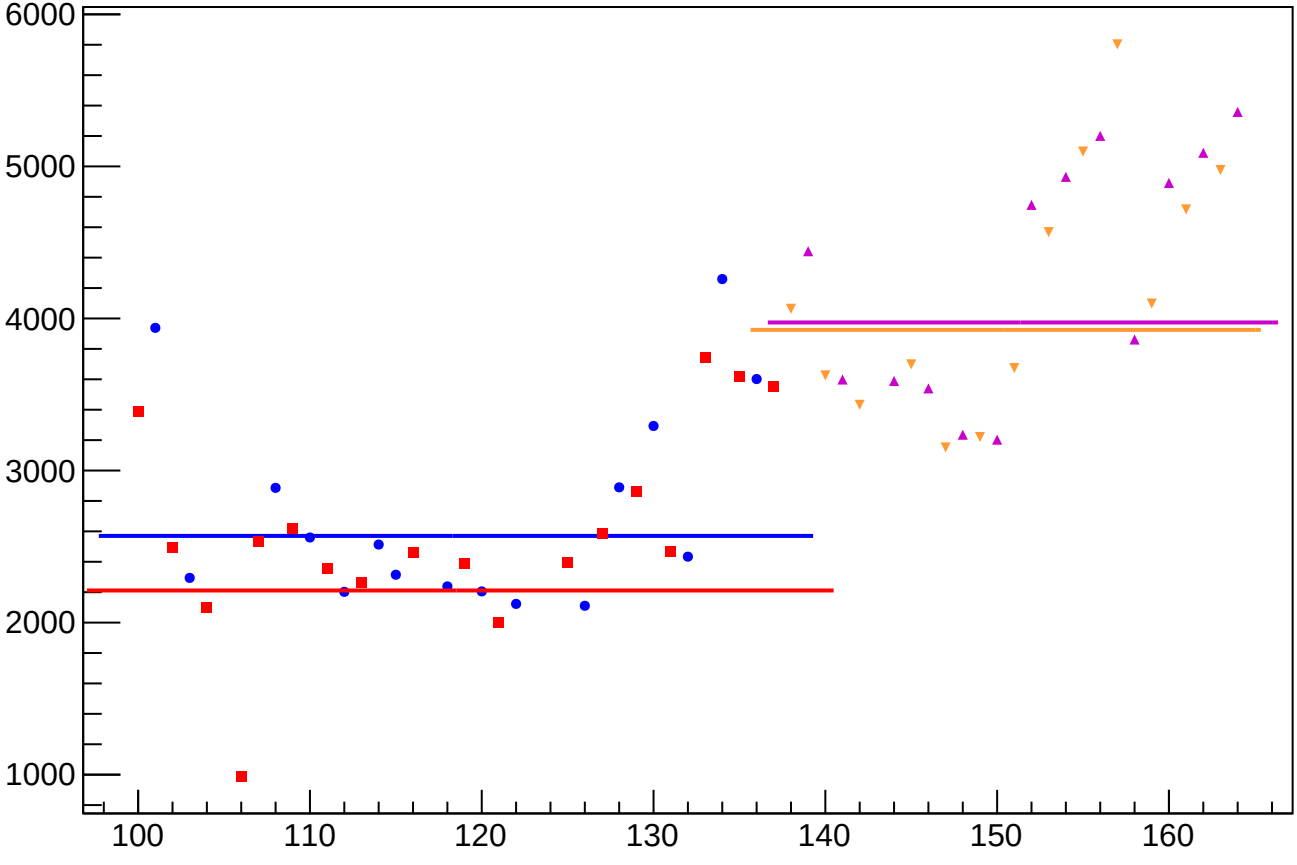
Left In: 1141.335+/-1223.358 χ^2/NDF:8.6/12

+ sign 447.172+/-770.537 χ^2/NDF: 34.3/28

All: 169.630+/-520.647 χ^2/NDF: 64.6/59

- 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: 3925.077+/-0.880 χ^2/NDF:635855.0/12

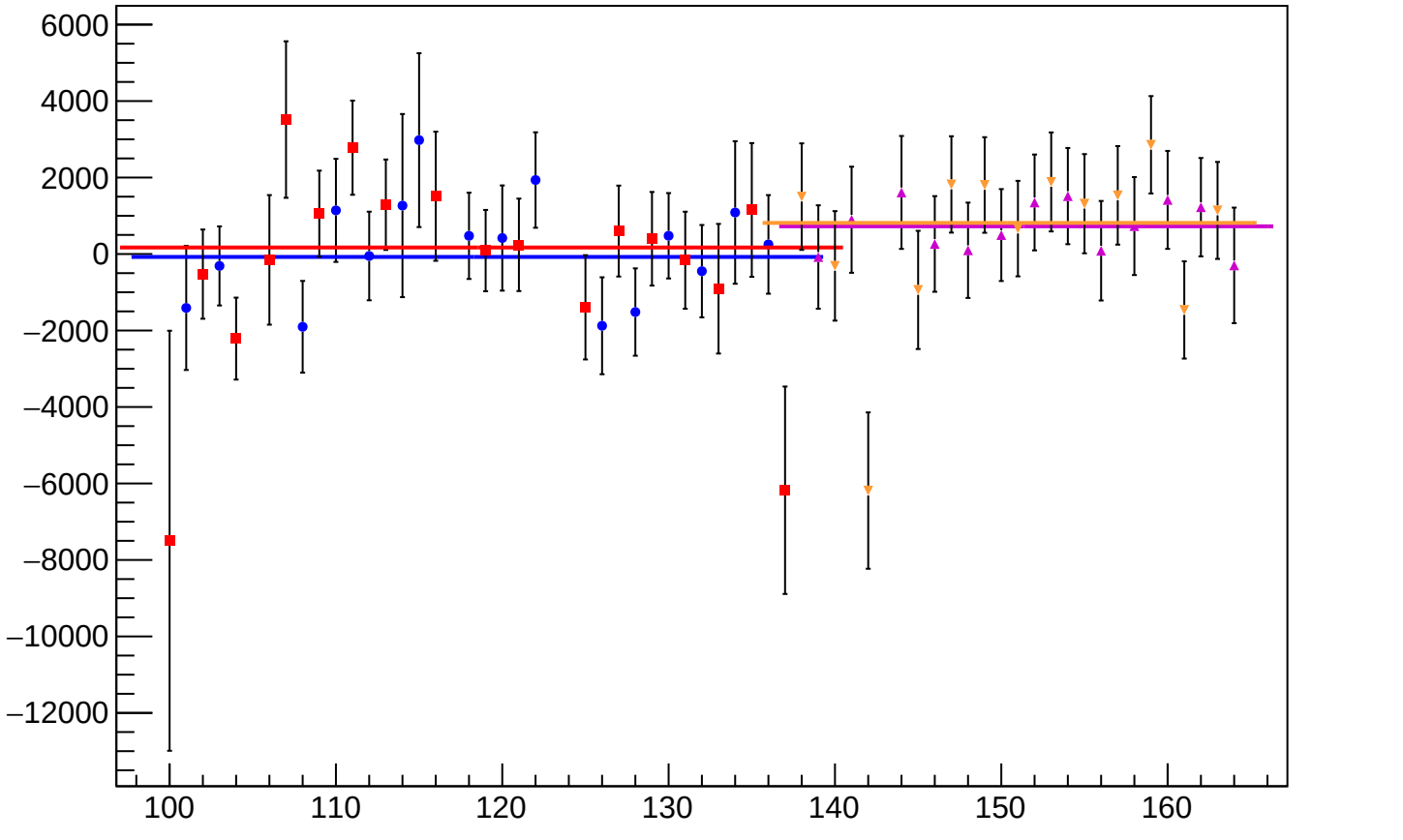
Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3973.735+/-0.865 χ^2/NDF:694854.2/12

+ sign 3089.643+/-0.545 χ^2/NDF: 2760334.5/28

All: 2931.528+/-0.368 χ^2/NDF: 7641808.1/59

- sign 2798.690+/-0.499 χ^2/NDF: 4726506.8/30



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

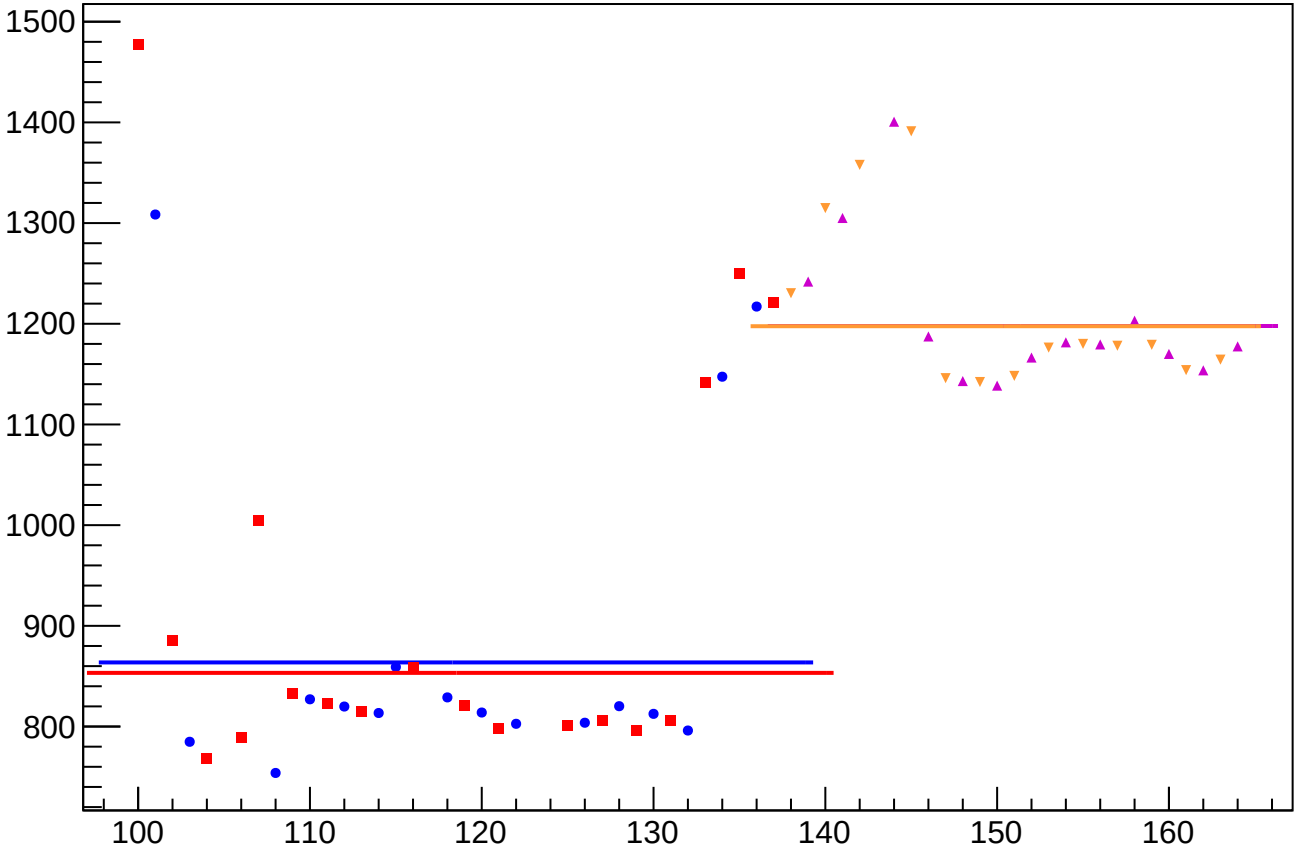
Left In: 724.589+/-362.236 χ^2/NDF:2.9/12

+ sign 310.714+/-245.294 χ^2/NDF: 38.7/28

All: 363.968+/-171.762 χ^2/NDF: 67.4/59

- 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: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

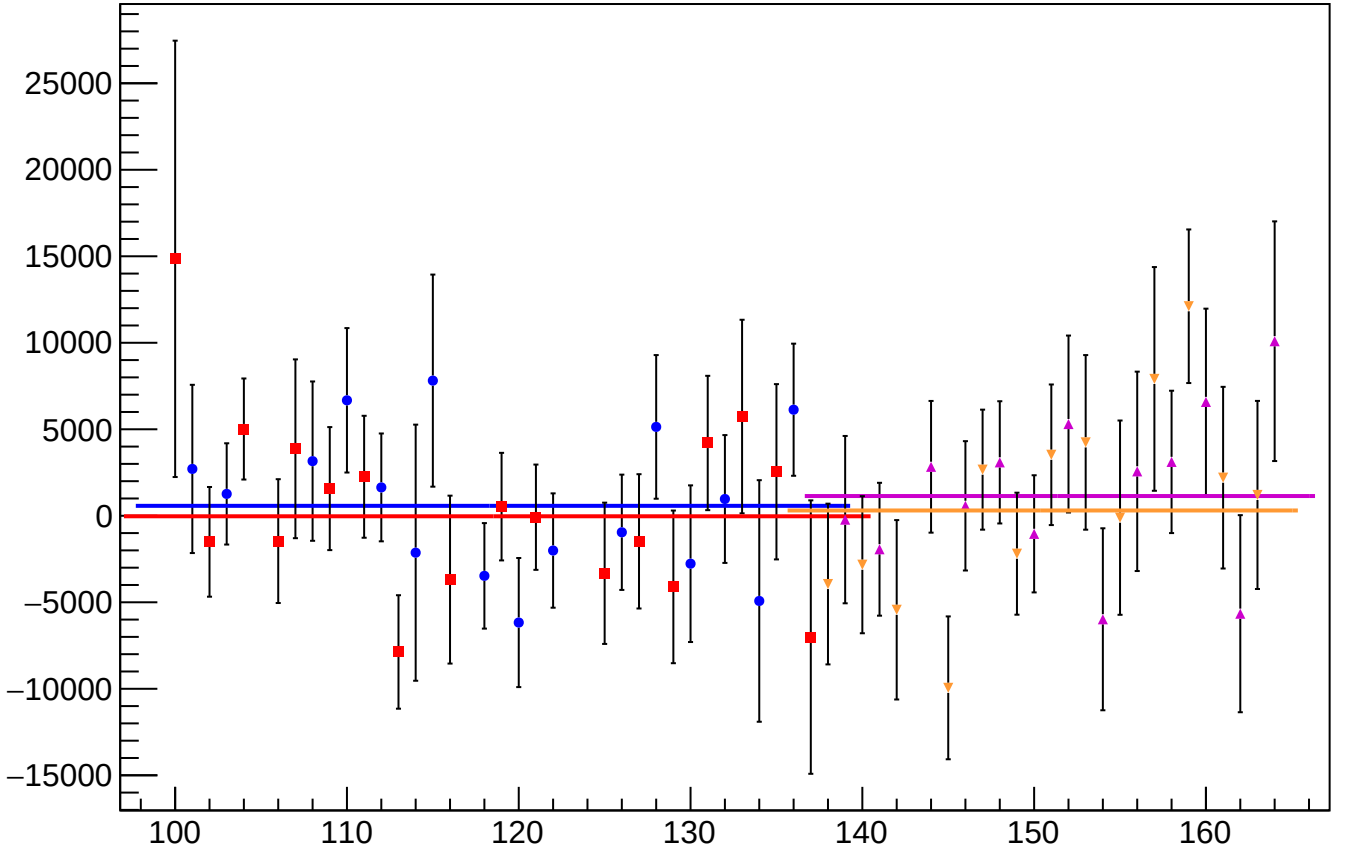
Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.7/28

All: 1006.537+/-0.121 χ^2/NDF: 2749878.0/59

- 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: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

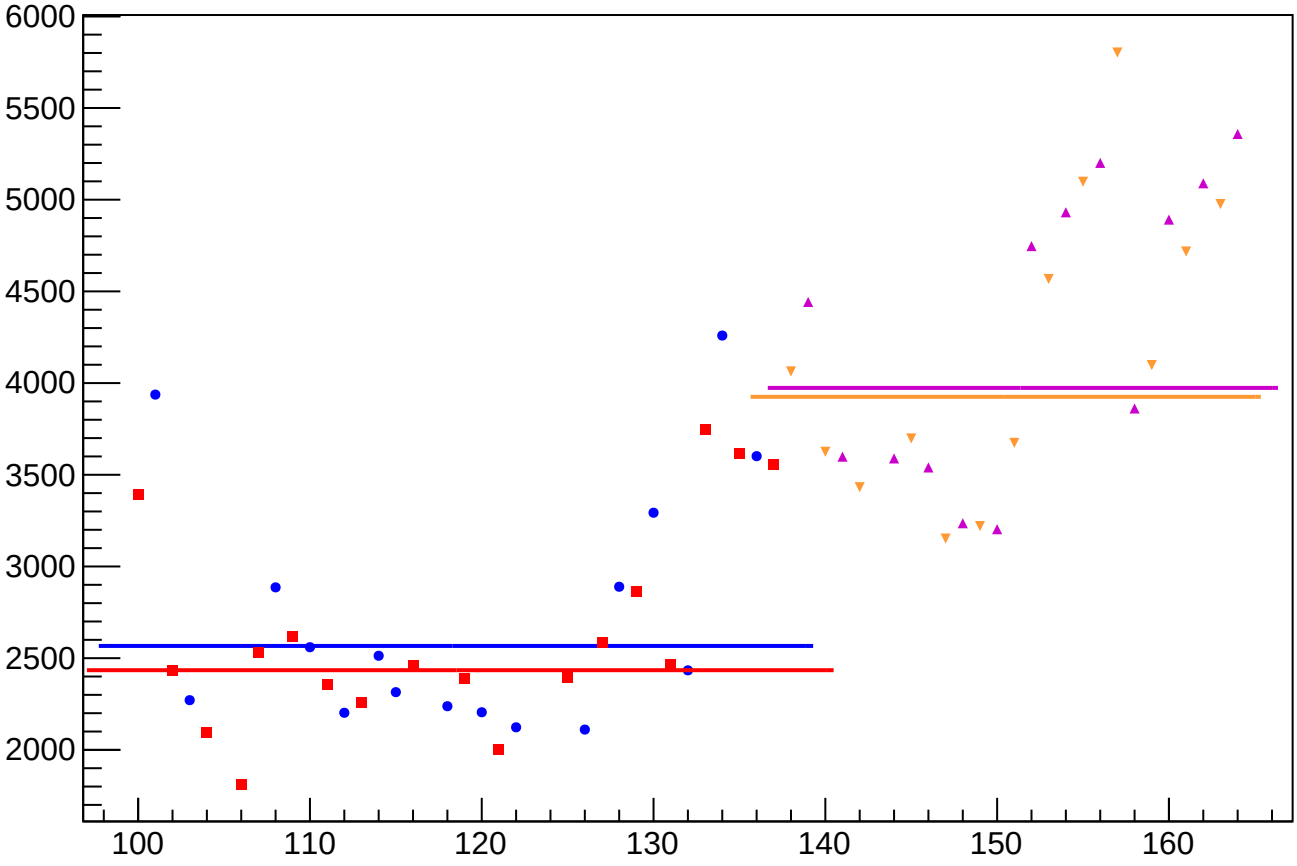
Left In: 1141.382+/-1223.357 χ^2/NDF:8.6/12

+ sign 472.302+/-769.841 χ^2/NDF: 34.4/28

All: 432.085+/-532.129 χ^2/NDF: 60.8/59

- 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: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

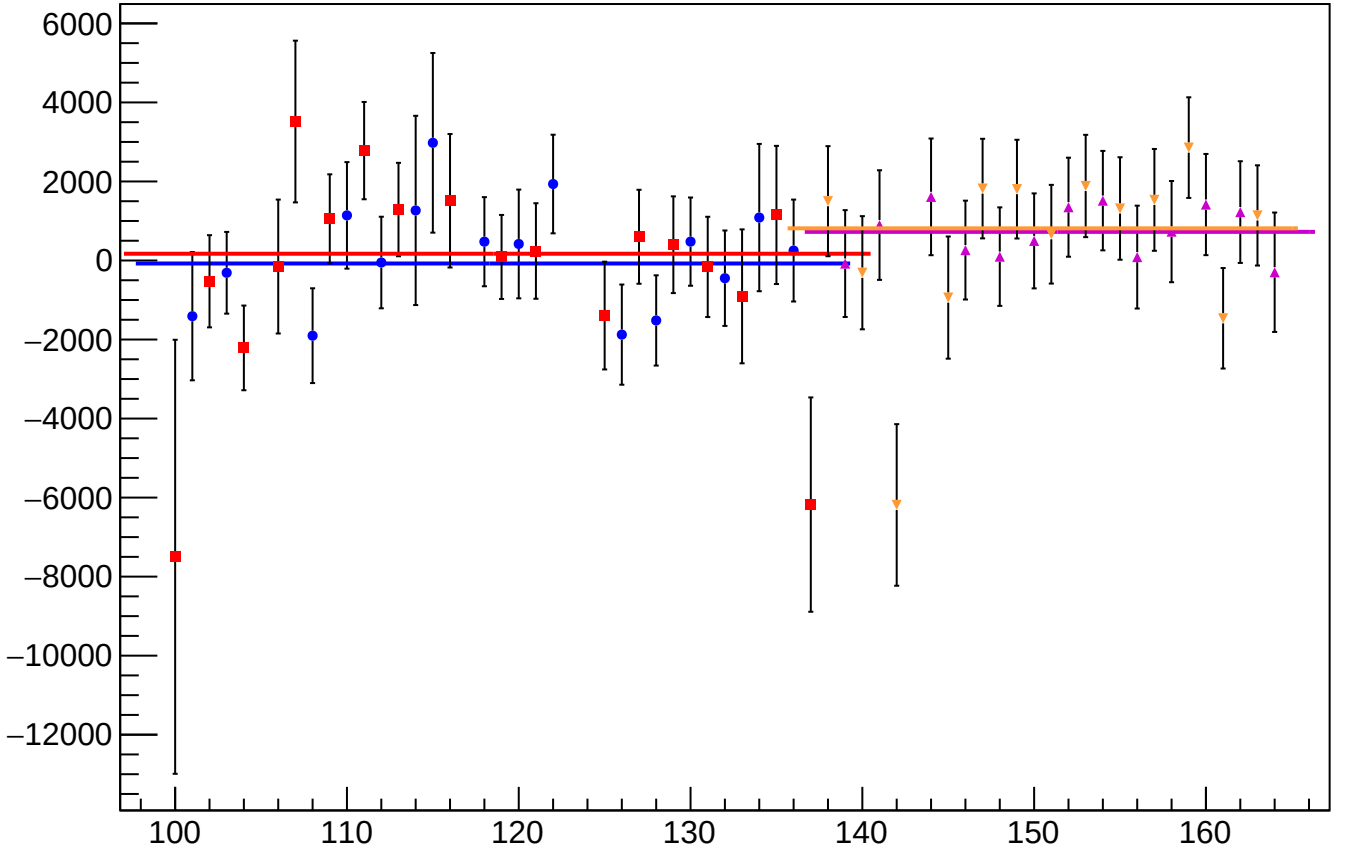
Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

+ sign 3086.605+/-0.544 χ^2/NDF: 2772720.8/28

All: 3037.268+/-0.376 χ^2/NDF: 5936600.0/59

- 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: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

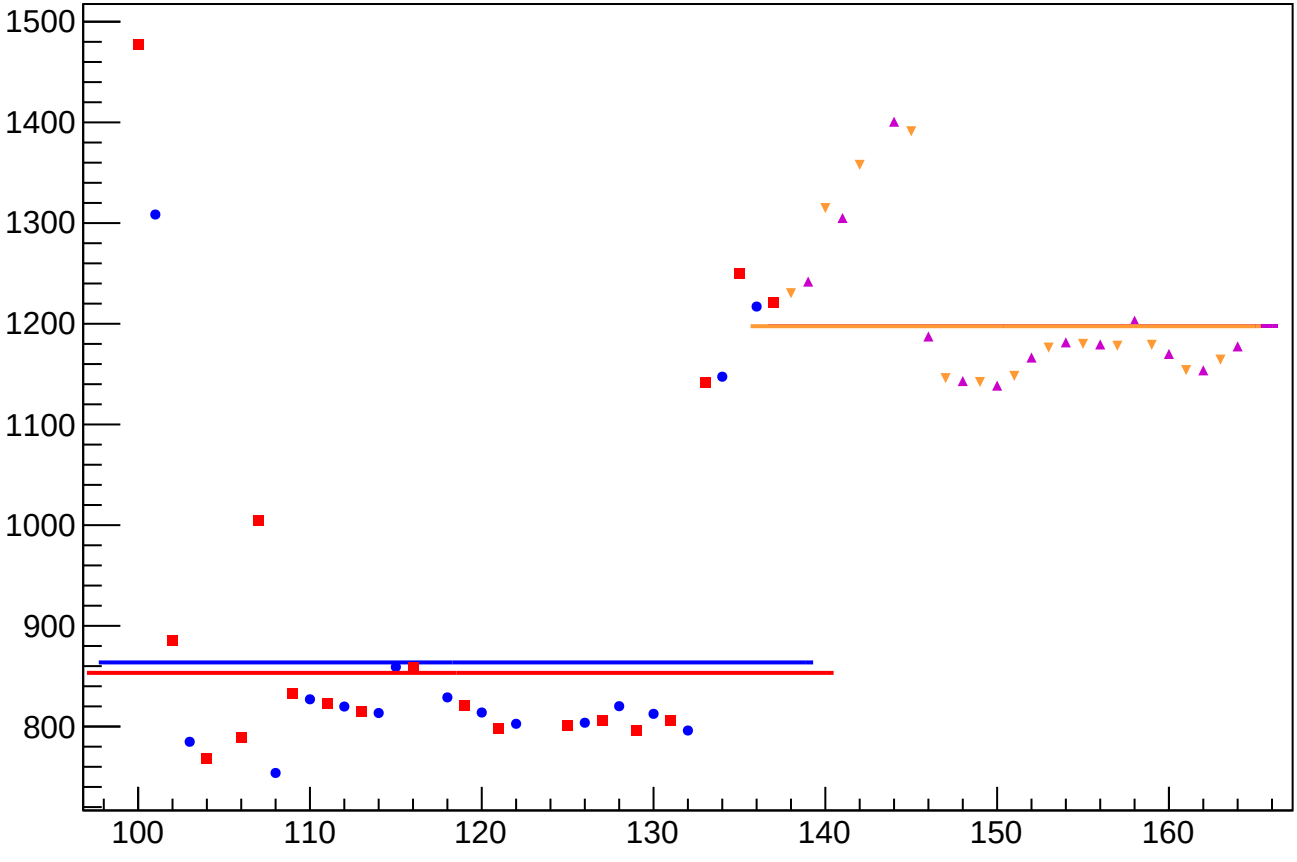
Left In: 724.589+/-362.236 χ^2/NDF:2.9/12

+ sign 310.714+/-245.294 χ^2/NDF: 38.7/28

All: 363.968+/-171.762 χ^2/NDF: 67.4/59

- 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: 1197.571+/-0.263 χ^2/NDF:74088.0/12

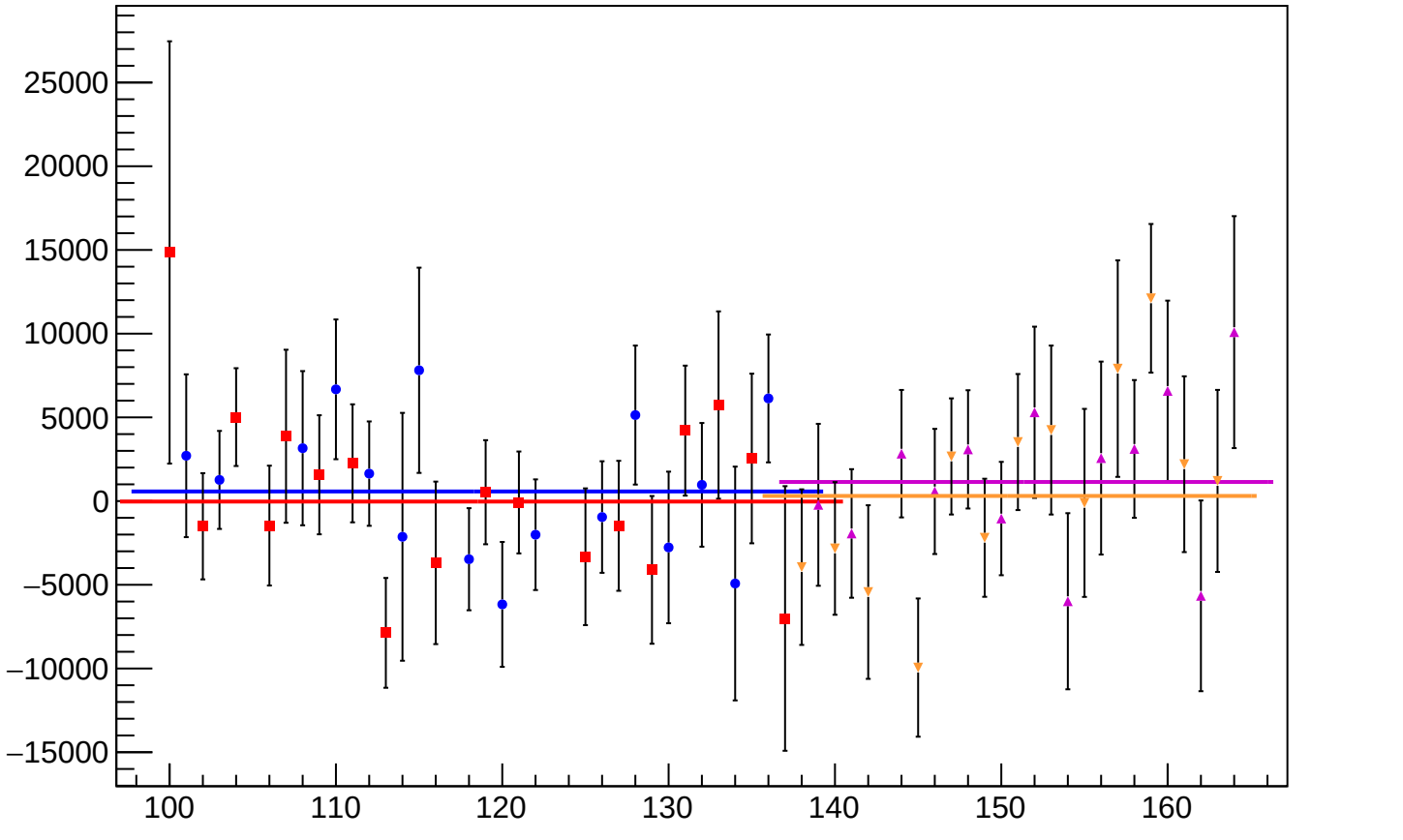
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.7/28

All: 1006.537+/-0.121 χ^2/NDF: 2749878.0/59

- 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: 306.725+/-1244.392 χ^2/NDF:19.7/12

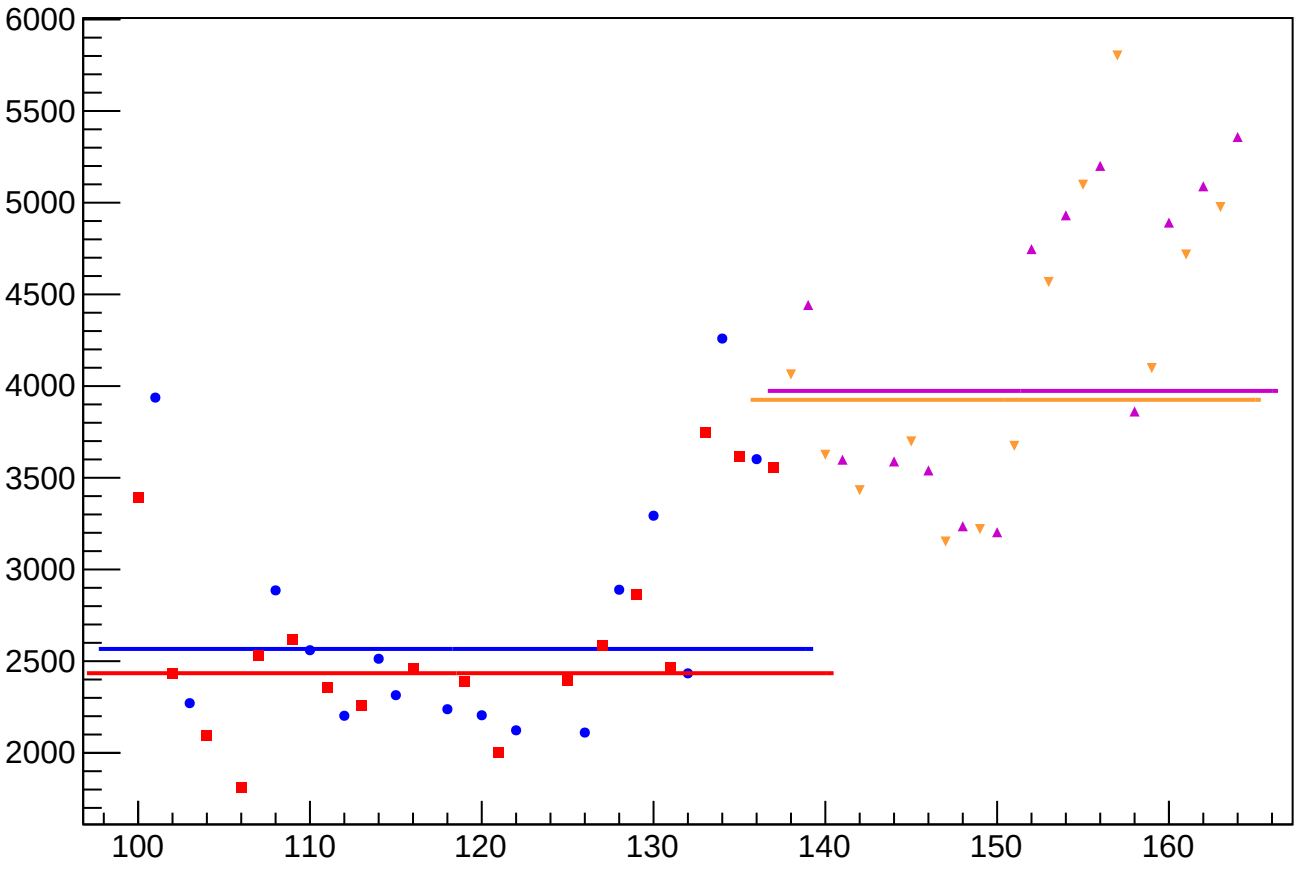
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1141.382+/-1223.357 χ^2/NDF:8.6/12

\+ sign 472.302+/-769.841 χ^2/NDF: 34.4/28

All: 432.085+/-532.129 χ^2/NDF: 60.8/59

\- 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: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

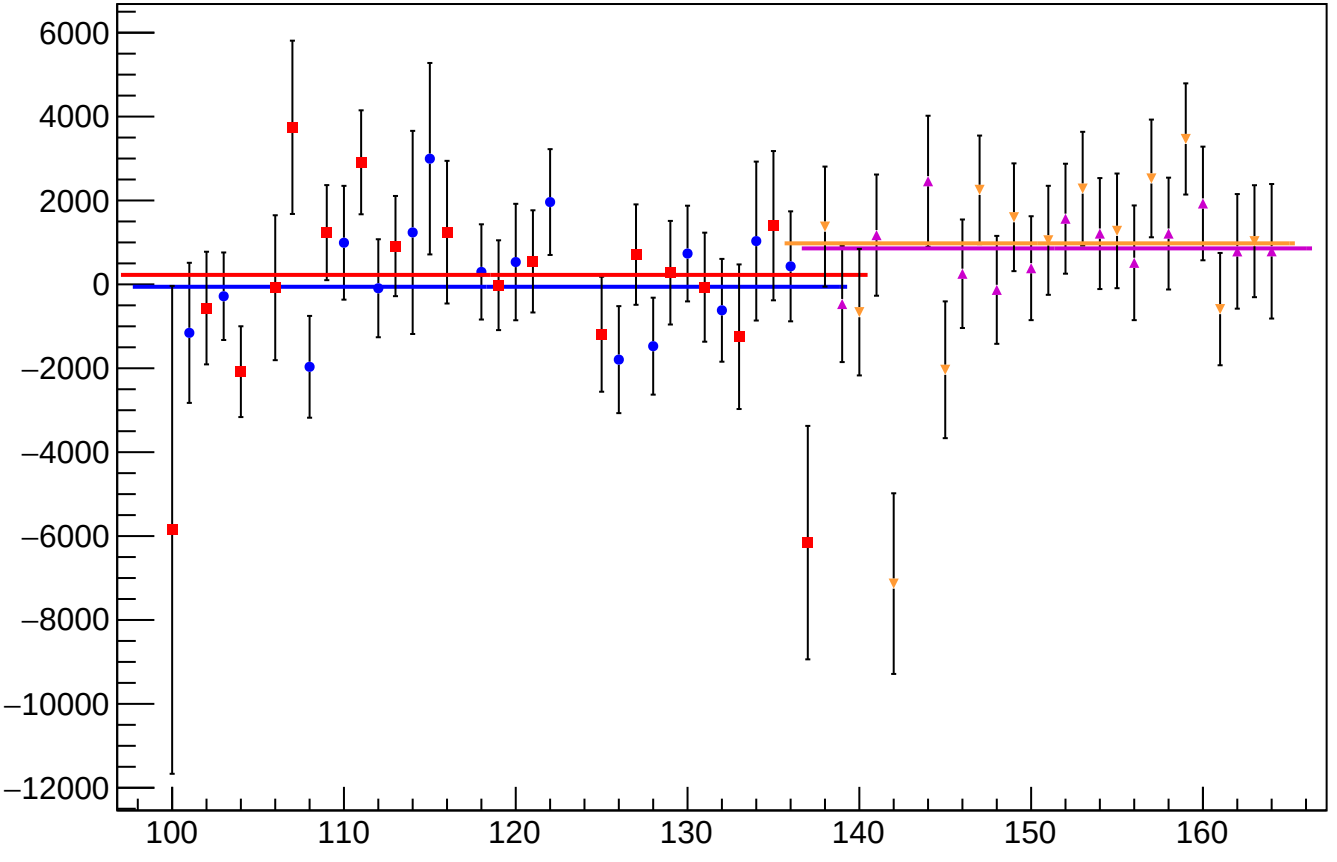
Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

+ sign 3086.605+/-0.544 χ^2/NDF: 2772720.8/28

All: 3037.268+/-0.376 χ^2/NDF: 5936600.0/59

- 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: 978.219+/-389.453 χ^2/NDF:27.2/12

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

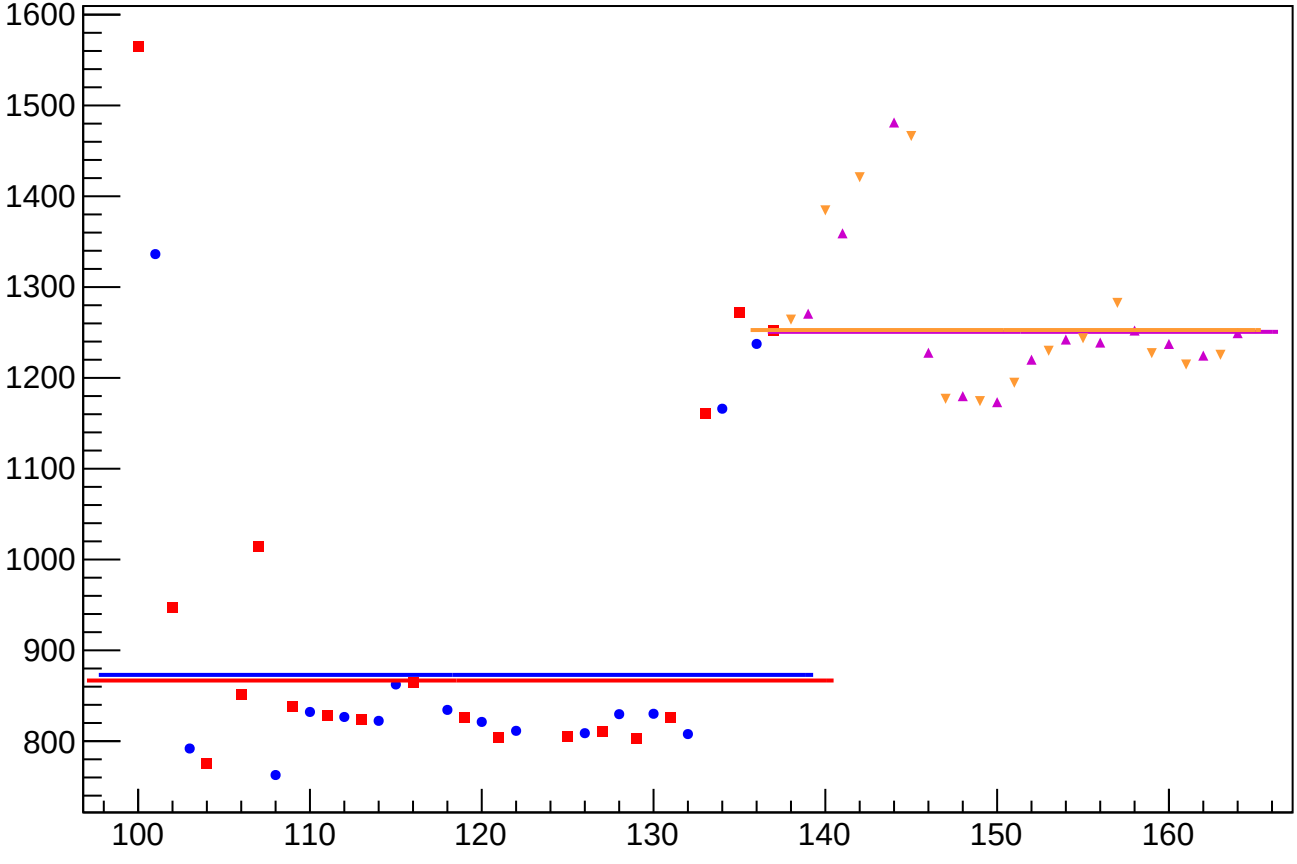
Left In: 857.561+/-378.346 χ^2/NDF:4.1/12

+ sign 375.657+/-251.809 χ^2/NDF: 44.3/28

All: 437.337+/-176.644 χ^2/NDF: 73.0/59

- 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: 1252.699+/-0.275 χ^2/NDF:84952.8/12

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

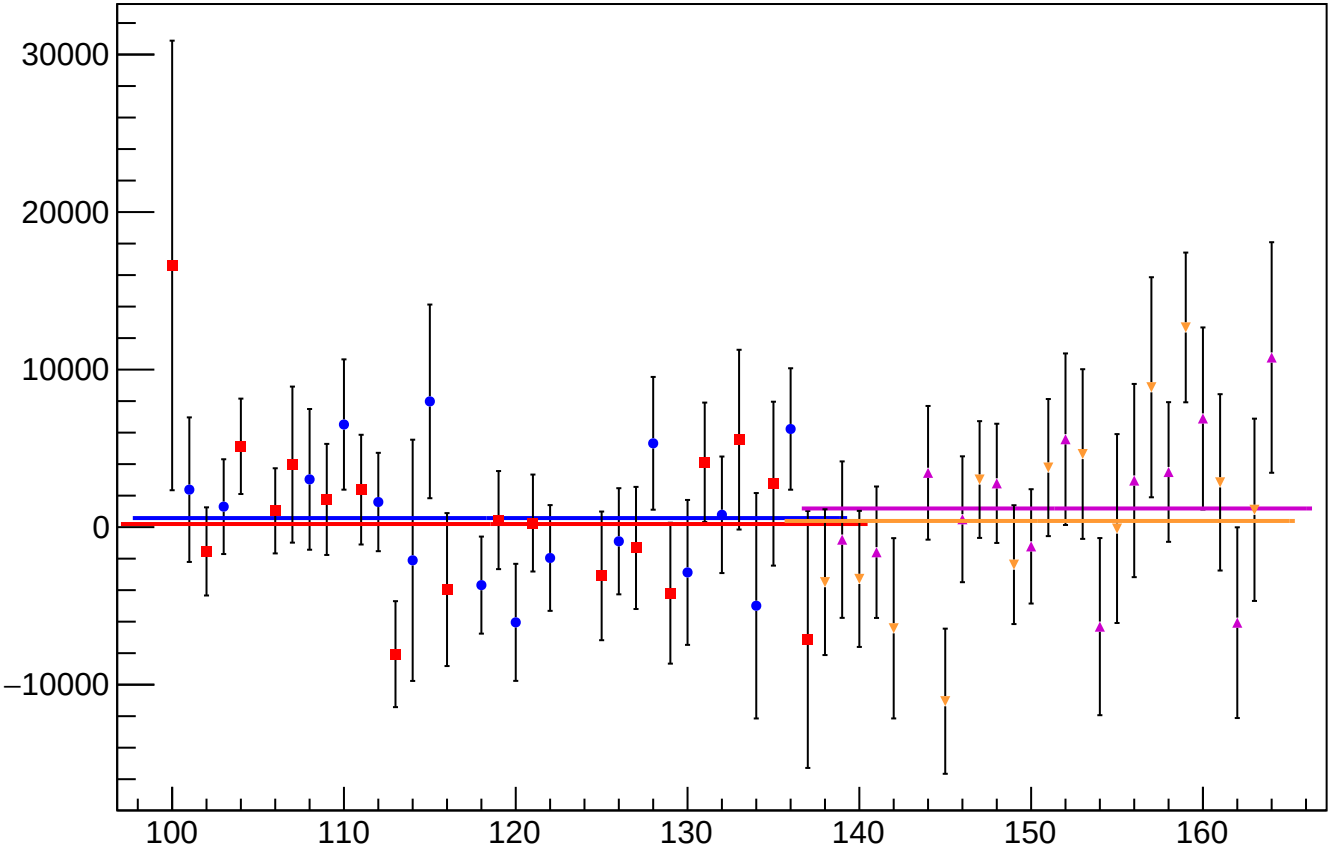
Left In: 1250.717+/-0.268 χ^2/NDF:72058.5/12

+ sign 1031.718+/-0.178 χ^2/NDF: 1608540.2/28

All: 1031.541+/-0.125 χ^2/NDF: 3147650.1/59

- 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: 392.171+/-1332.993 χ^2/NDF:19.7/12

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

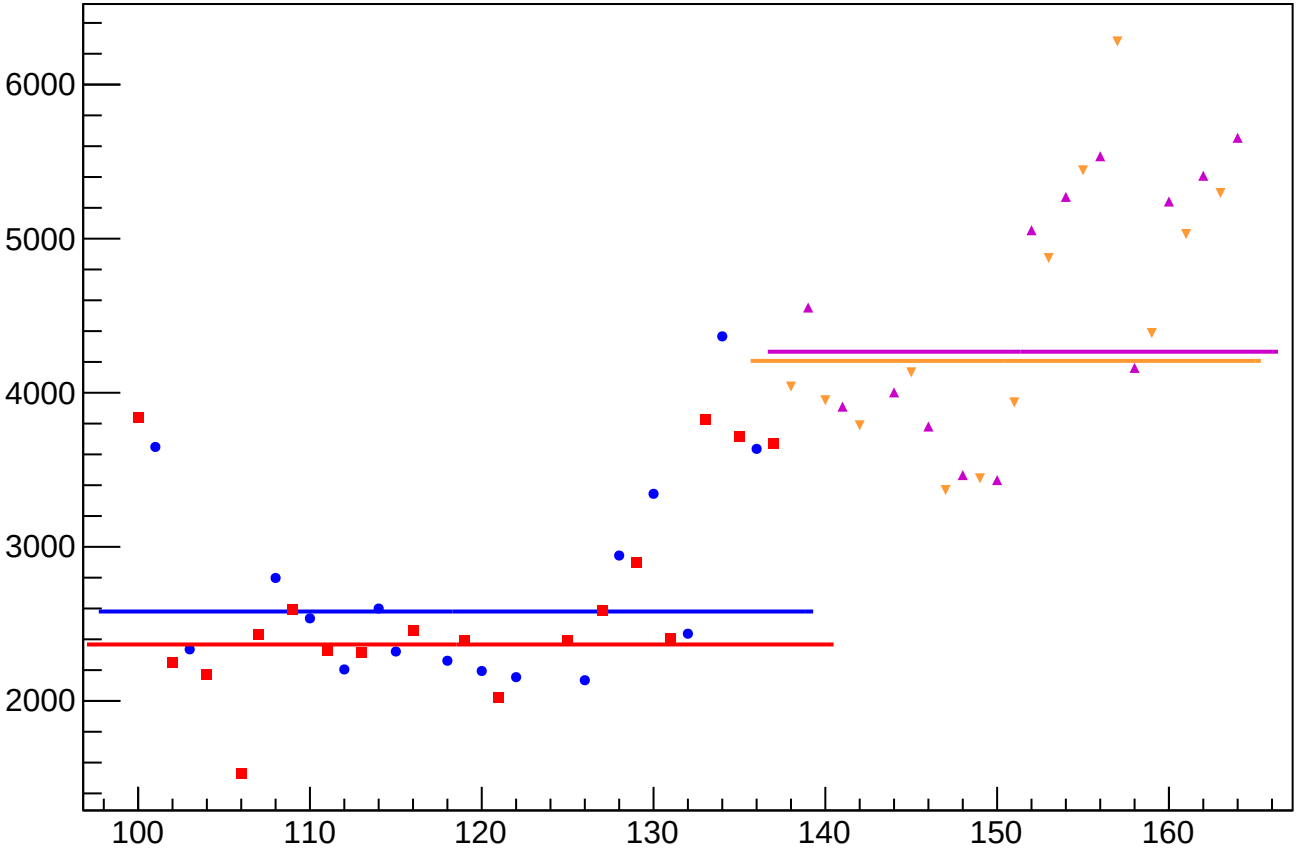
Left In: 1184.962+/-1312.269 χ^2/NDF:8.4/12

+ sign 510.613+/-792.128 χ^2/NDF: 34.4/28

All: 510.760+/-540.322 χ^2/NDF: 60.4/59

- 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: 4206.832+/-0.943 χ^2/NDF:621559.0/12

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

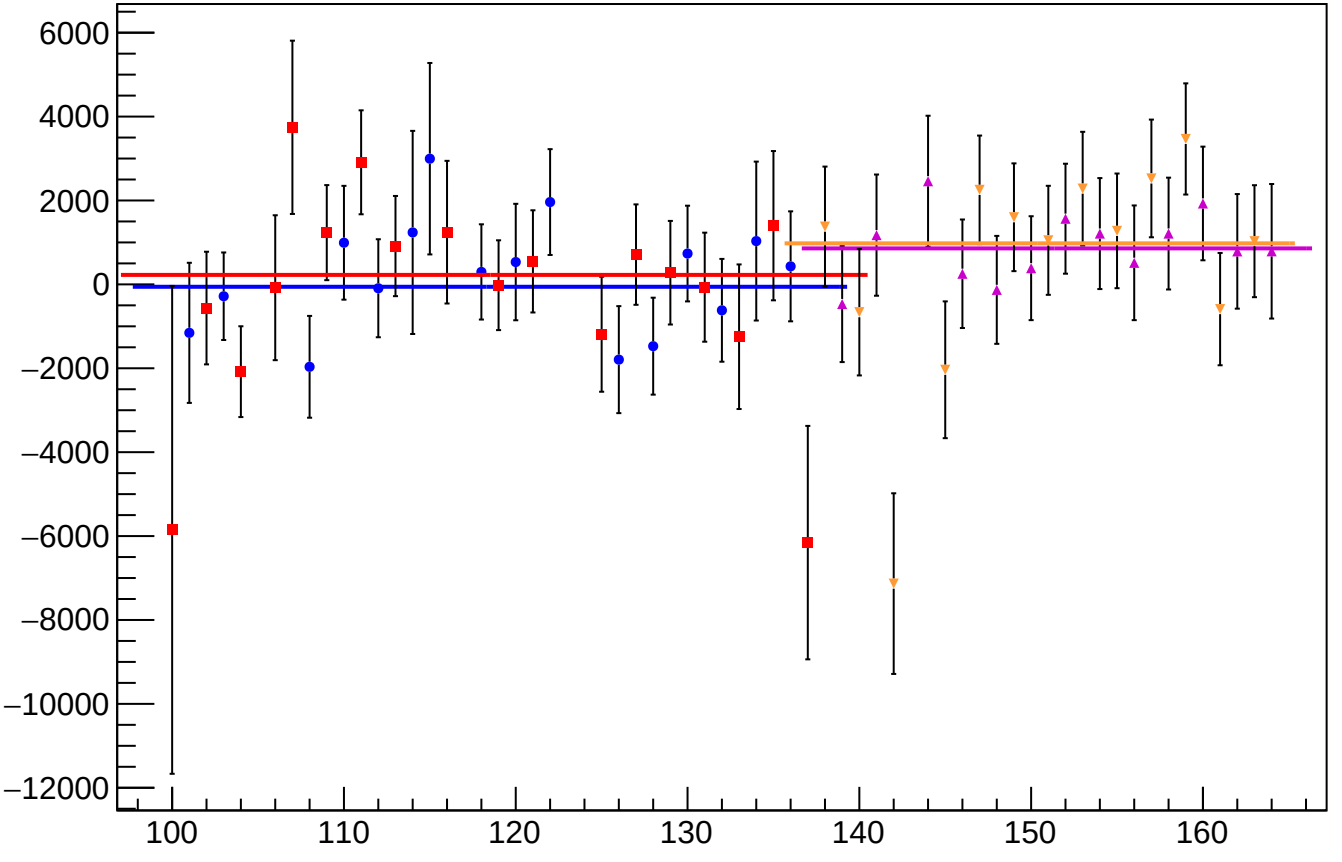
Left In: 4266.370+/-0.928 χ^2/NDF:646015.3/12

+ sign 3154.728+/-0.560 χ^2/NDF: 3164801.1/28

All: 3055.309+/-0.382 χ^2/NDF: 7344675.1/59

- sign 2968.802+/-0.522 χ^2/NDF: 4120956.3/30

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.221+/-389.453 χ^2/NDF:27.2/12

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

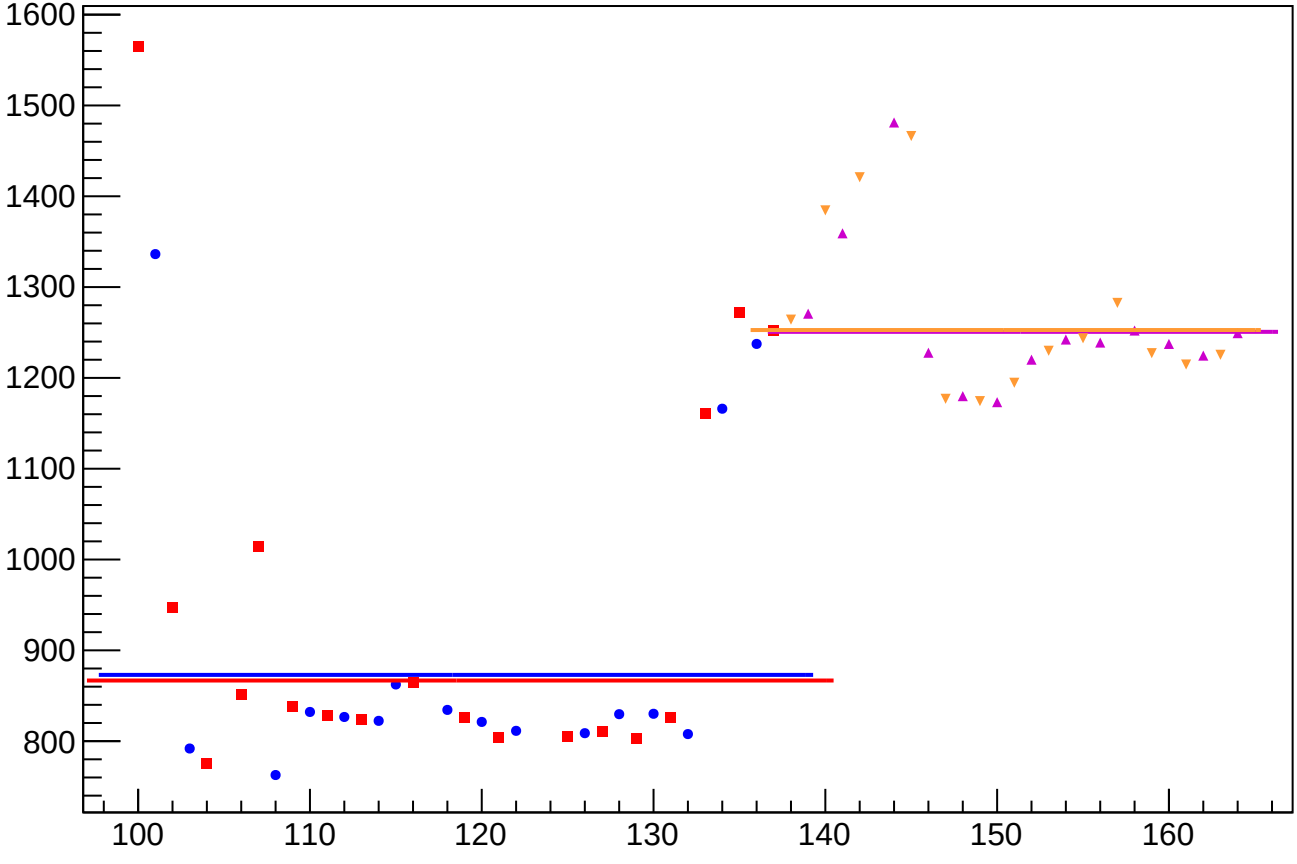
Left In: 857.561+/-378.346 χ^2/NDF:4.1/12

+ sign 375.655+/-251.809 χ^2/NDF: 44.3/28

All: 437.337+/-176.644 χ^2/NDF: 73.0/59

- 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: 1252.700+/-0.275 χ^2/NDF:84954.2/12

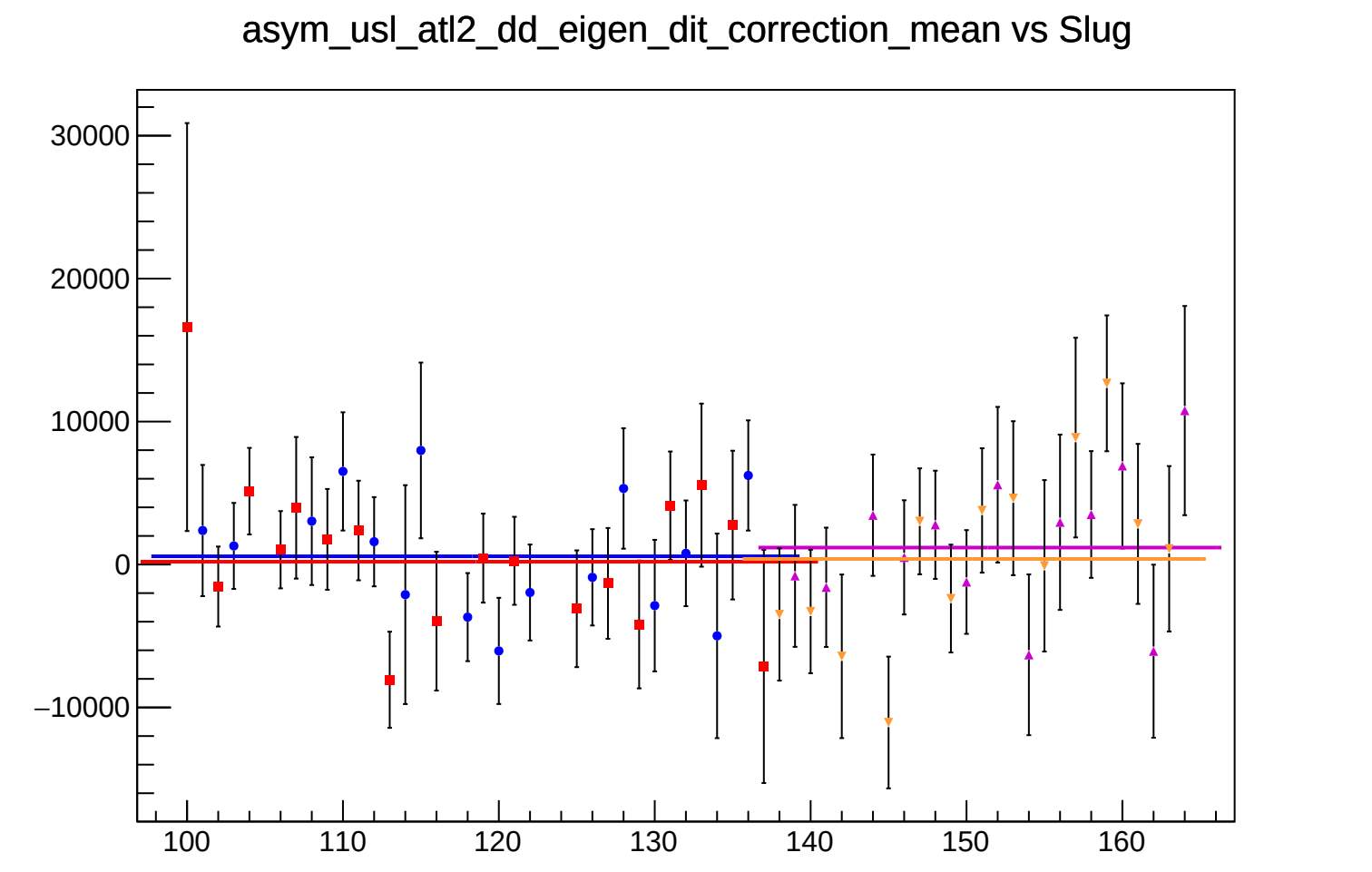
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.718+/-0.268 χ^2/NDF:72059.2/12

+ sign 1031.718+/-0.178 χ^2/NDF: 1608547.7/28

All: 1031.541+/-0.125 χ^2/NDF: 3147665.5/59

- sign 1031.370+/-0.175 χ^2/NDF: 1539115.8/30



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 392.173+/-1332.994 χ^2/NDF:19.7/12

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

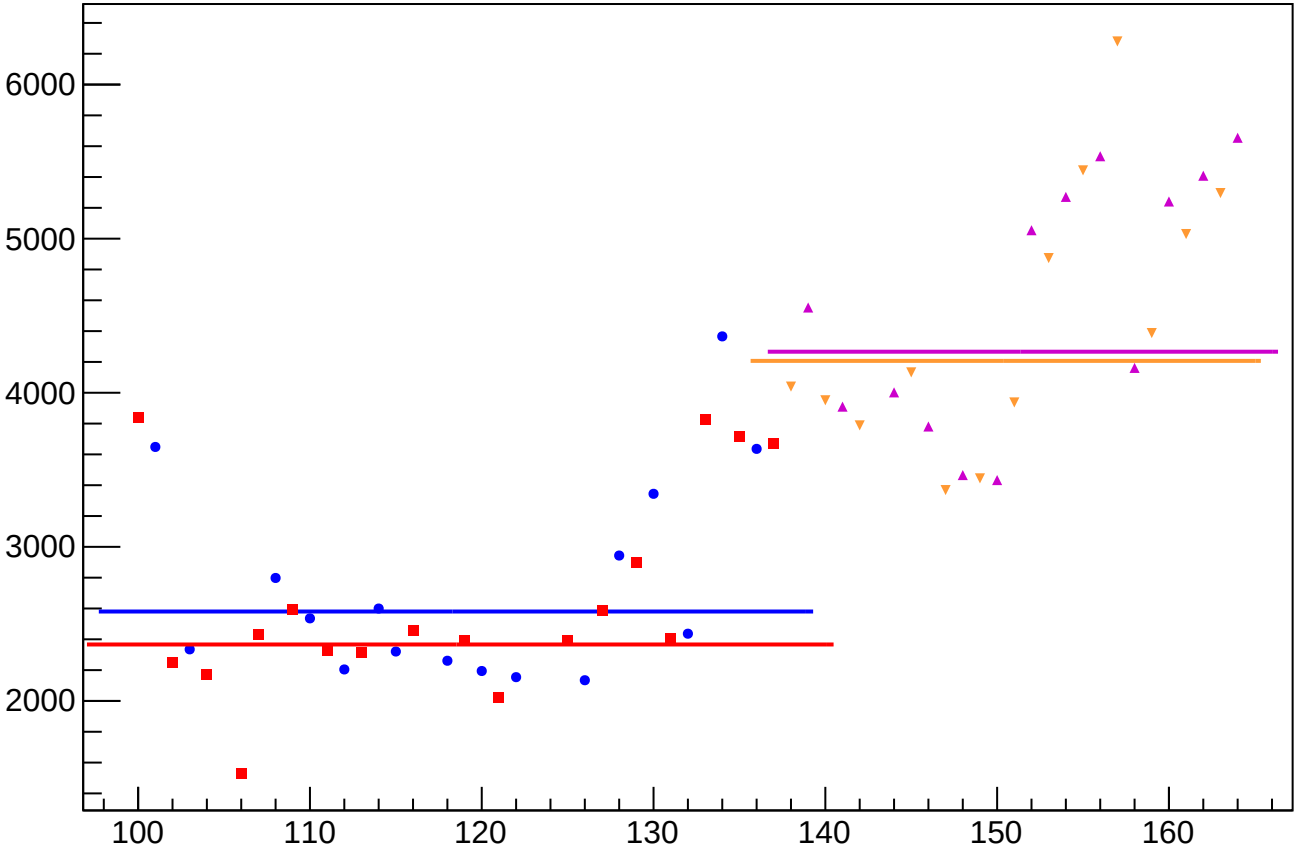
Left In: 1184.962+/-1312.271 χ^2/NDF:8.4/12

\+ sign 510.611+/-792.127 χ^2/NDF: 34.4/28

All: 510.759+/-540.321 χ^2/NDF: 60.4/59

\- sign 510.888+/-738.906 χ^2/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: 4206.838+/-0.943 χ^2/NDF:621561.7/12

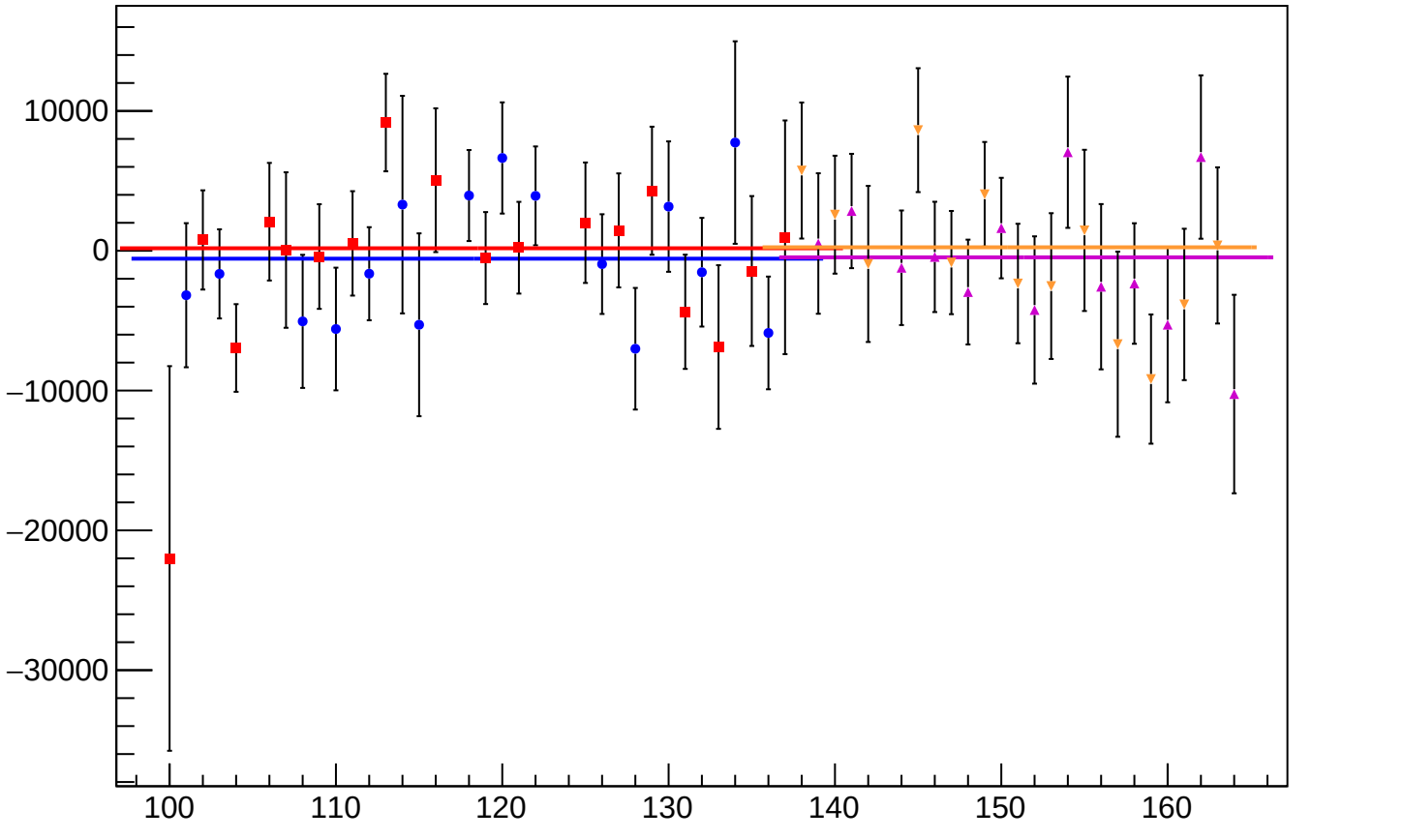
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4266.376+/-0.928 χ^2/NDF:646019.3/12

+ sign 3154.721+/-0.560 χ^2/NDF: 3164844.8/28

All: 3055.303+/-0.382 χ^2/NDF: 7344762.5/59

- sign 2968.795+/-0.522 χ^2/NDF: 4121000.2/30



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 248.127+/-1308.971 χ^2/NDF:12.8/12

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

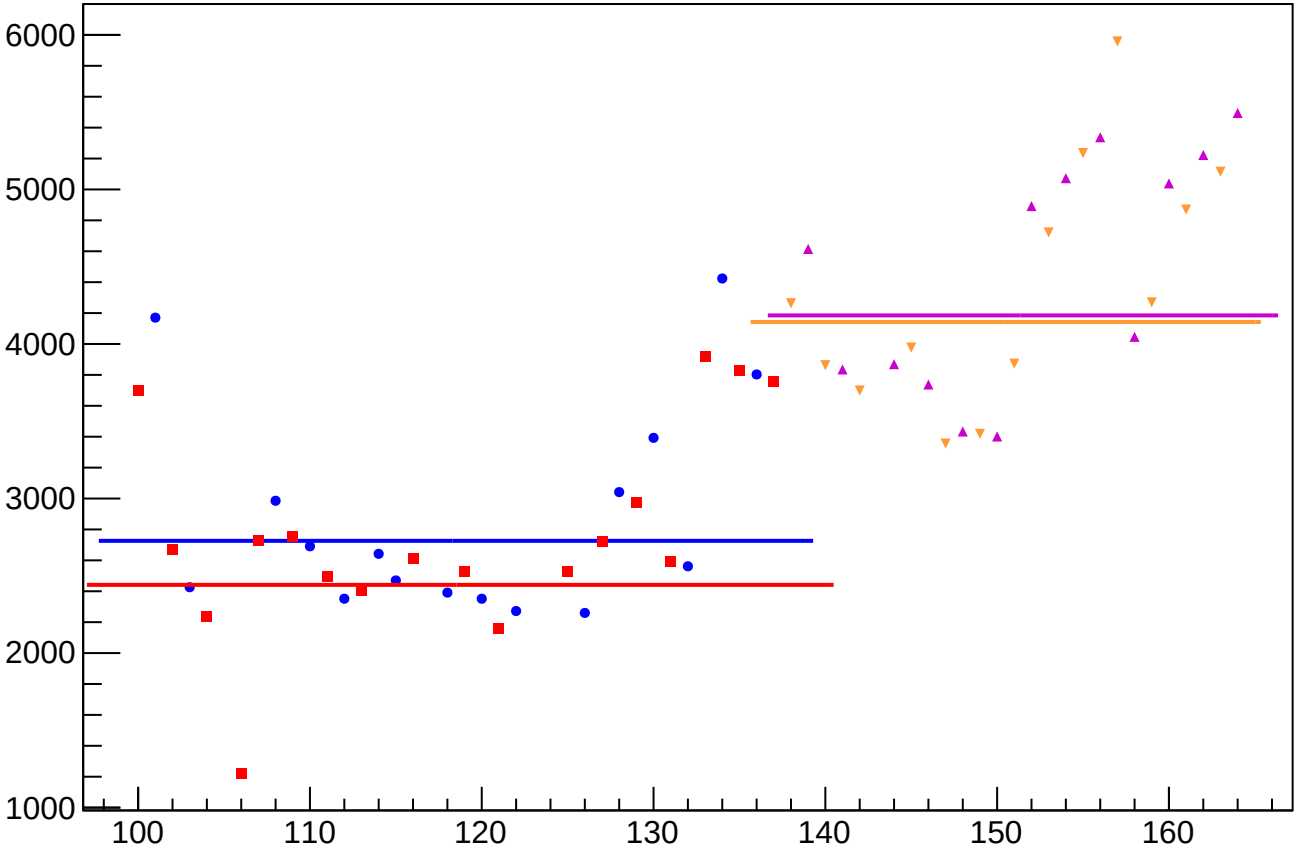
Left In: -470.301+/-1284.502 χ^2/NDF:8.4/12

+ sign -250.895+/-814.427 χ^2/NDF: 29.3/28

All: -153.153+/-564.572 χ^2/NDF: 57.4/59

- 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: 4142.539+/-0.926 χ^2/NDF:544262.1/12

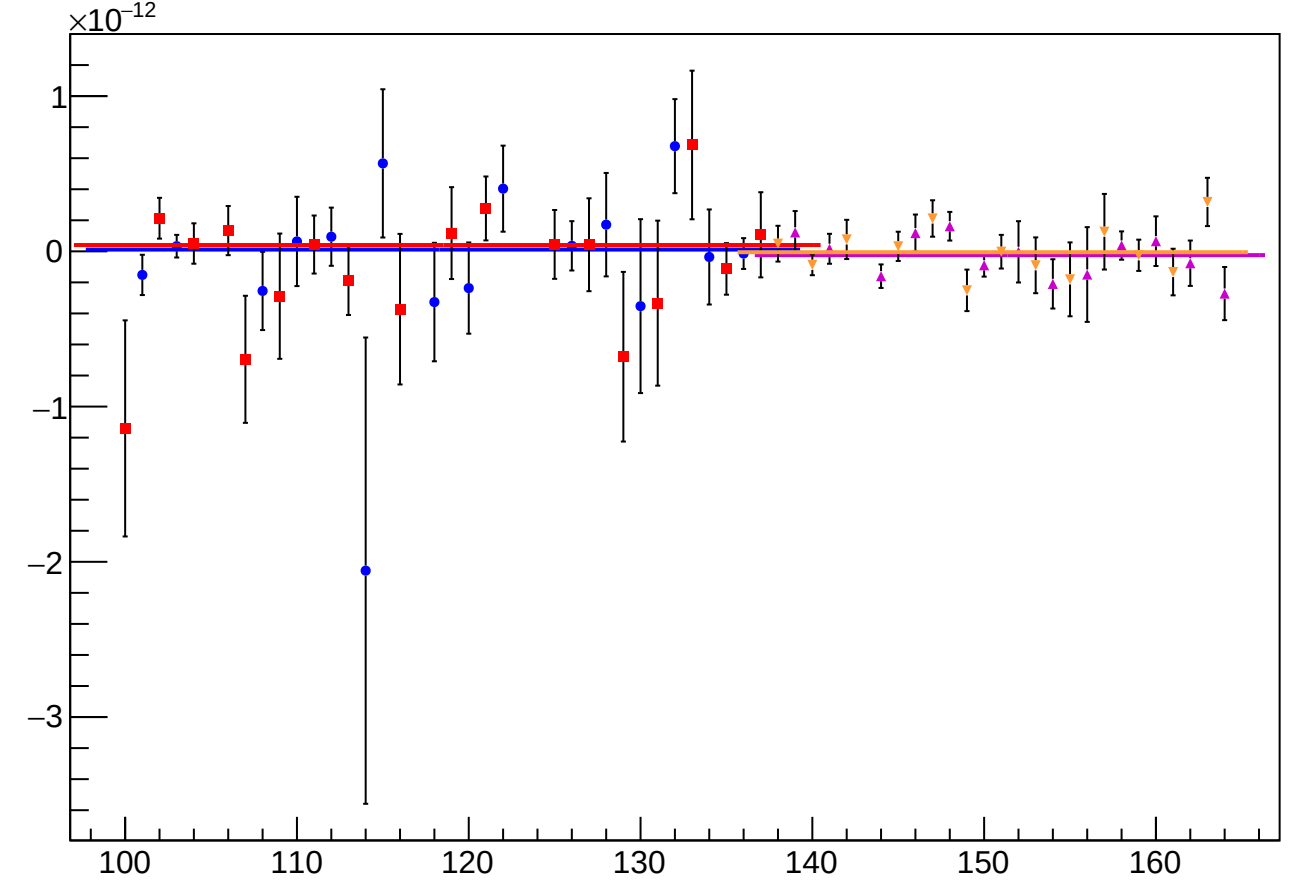
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4184.940+/-0.908 χ^2/NDF:588754.1/12

+ sign 3274.510+/-0.576 χ^2/NDF: 2602373.1/28

All: 3155.687+/-0.393 χ^2/NDF: 6556088.7/59

- sign 3052.146+/-0.538 χ^2/NDF: 3874046.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/12

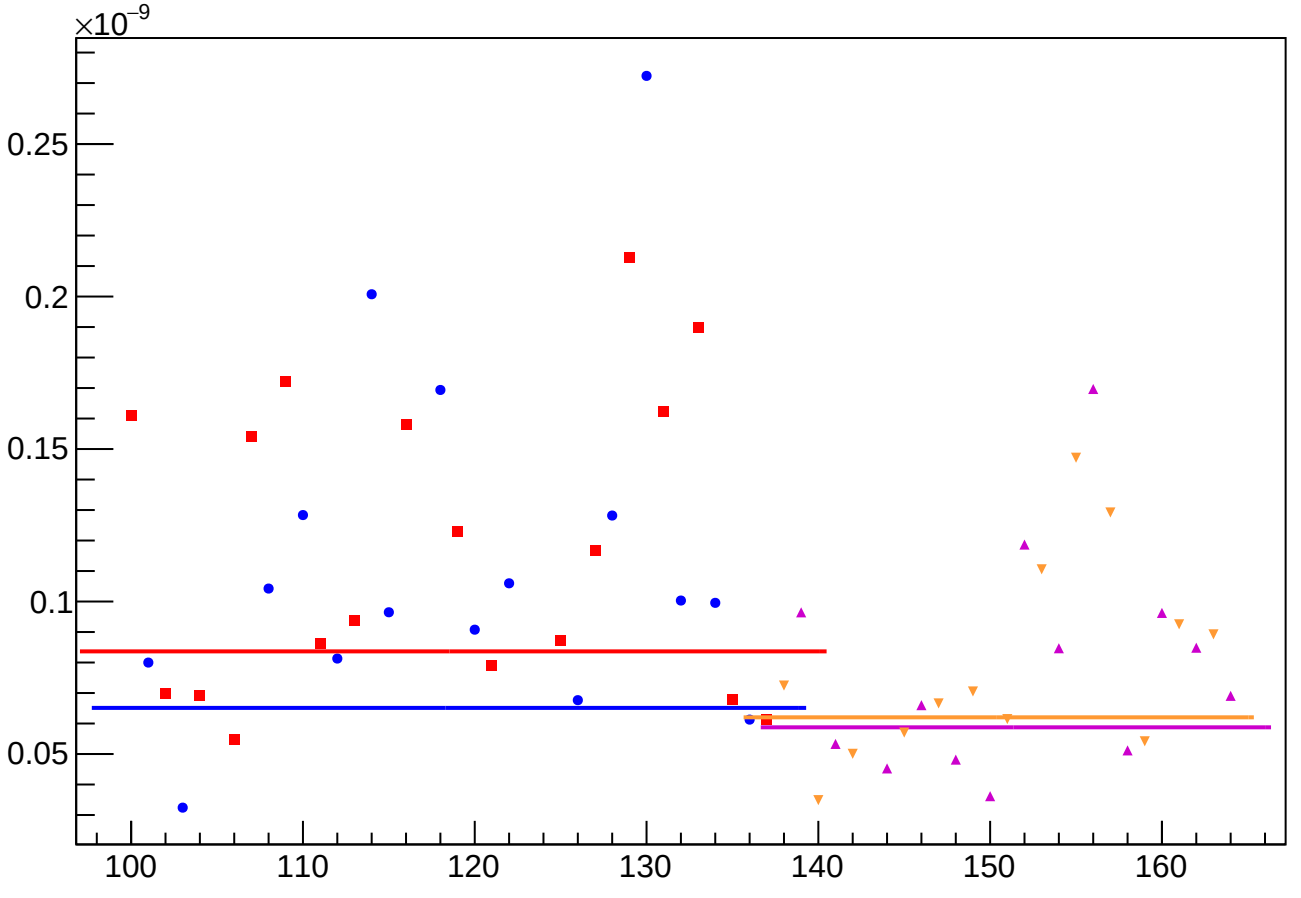
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/28

All: -0.000+/-0.000 χ^2/NDF: 64.2/59

- 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:1090490.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

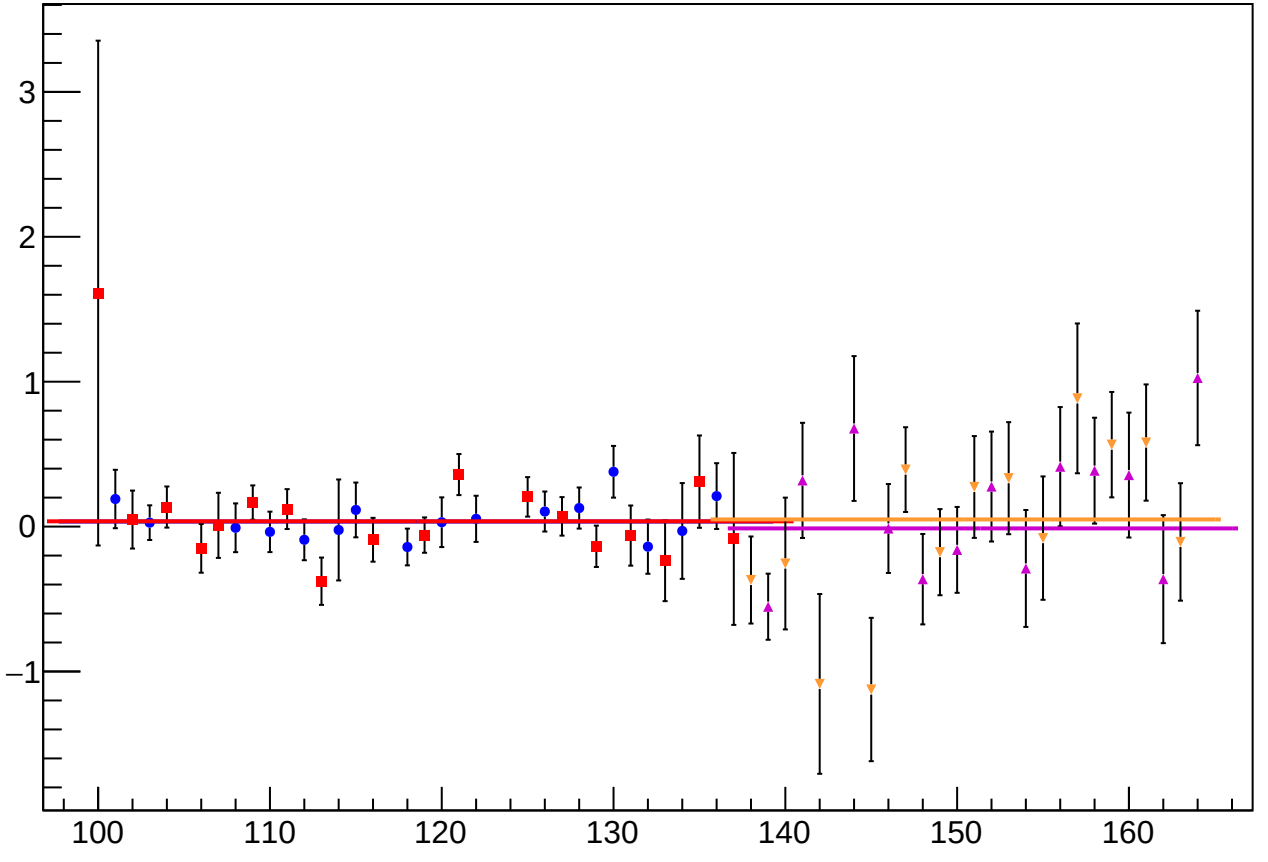
Left In: 0.000+/-0.000 χ^2/NDF:1141369.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 2319464.5/28

All: 0.000+/-0.000 χ^2/NDF: 4482583.2/59

- 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: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

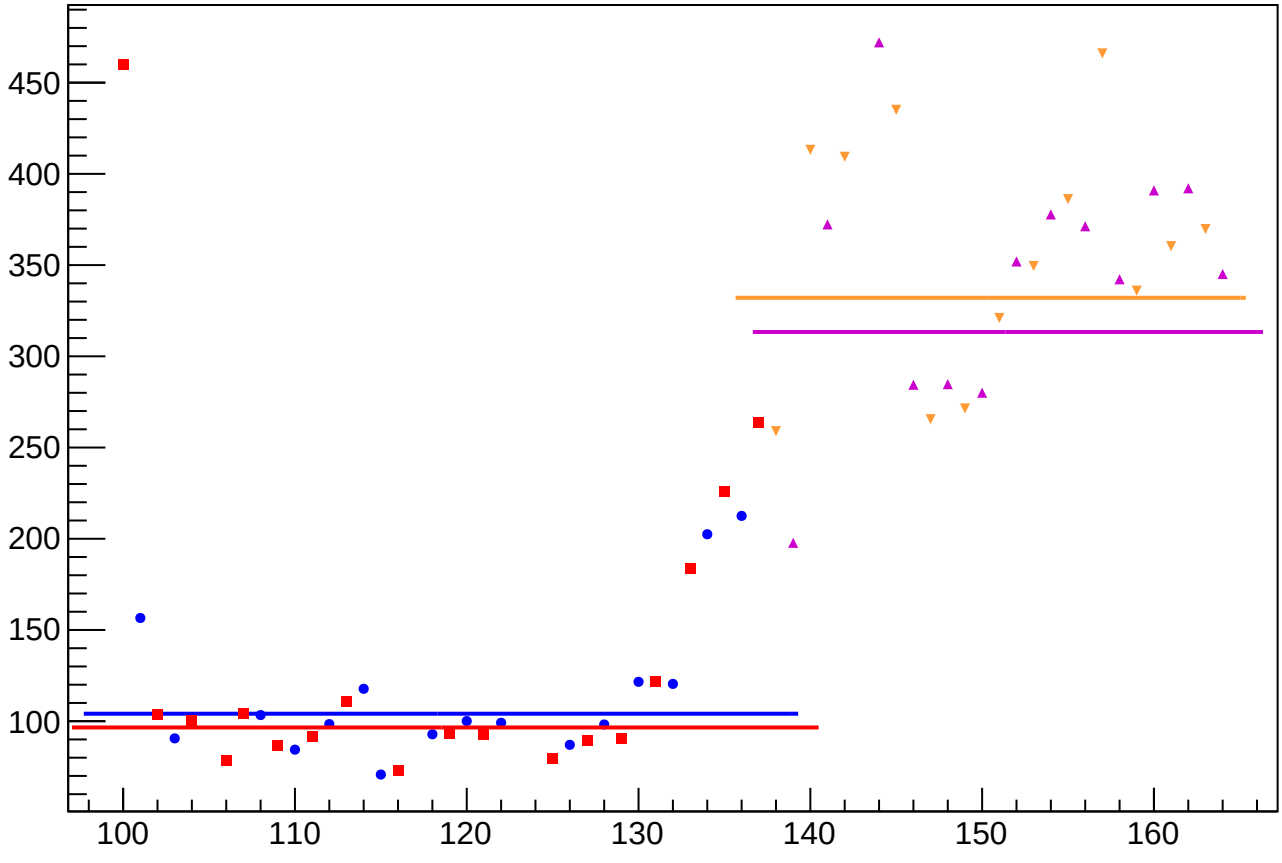
Left In: -0.013+/-0.098 χ^2/NDF:19.4/12

+ sign 0.037+/-0.038 χ^2/NDF: 30.7/28

All: 0.033+/-0.026 χ^2/NDF: 72.3/59

- sign 0.030+/-0.036 χ^2/NDF: 41.7/30

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

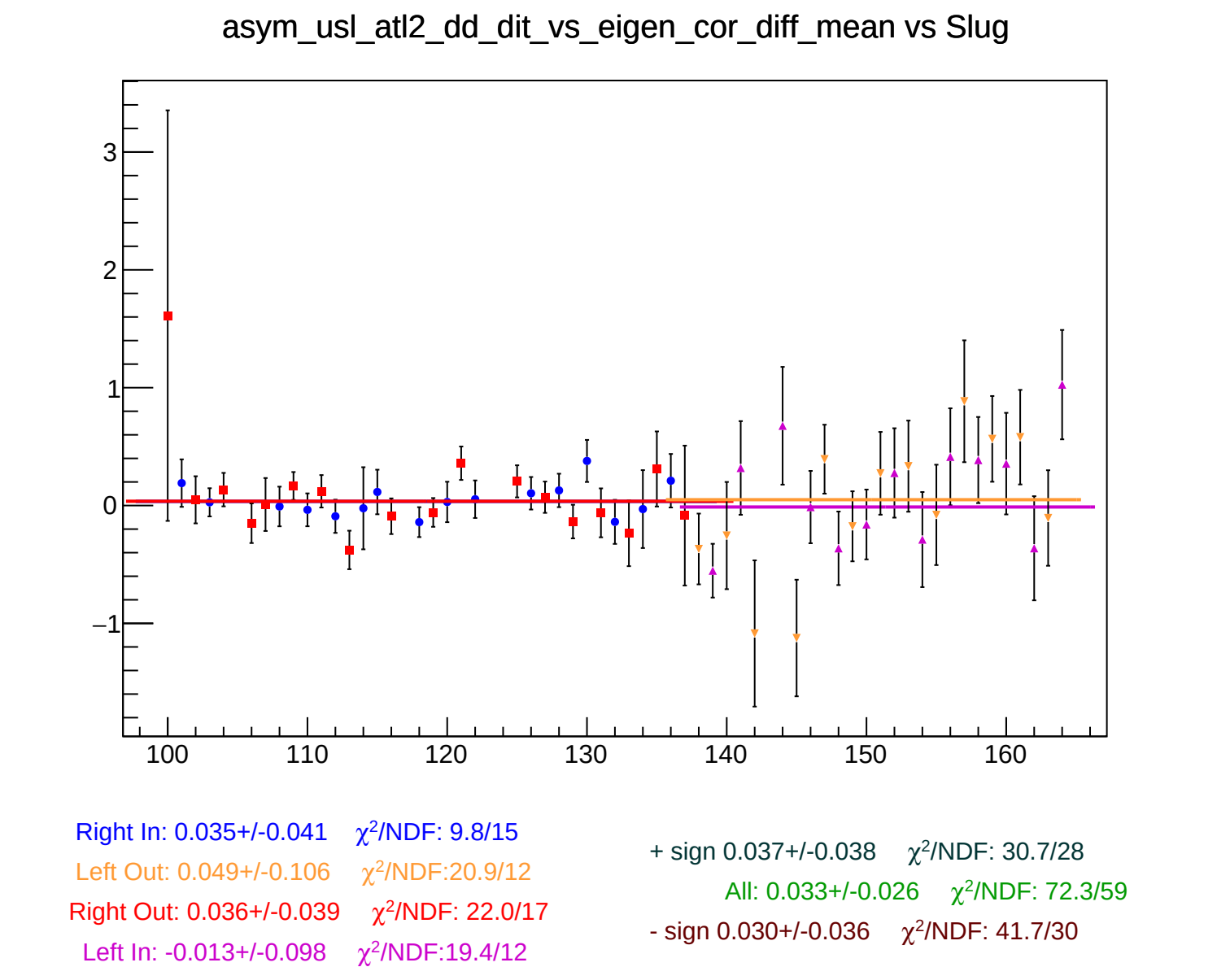
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

+ sign 133.956+/-0.027 χ^2/NDF: 9762708.8/28

All: 129.711+/-0.019 χ^2/NDF: 20253792.3/59

- sign 125.916+/-0.026 χ^2/NDF: 10444434.1/30


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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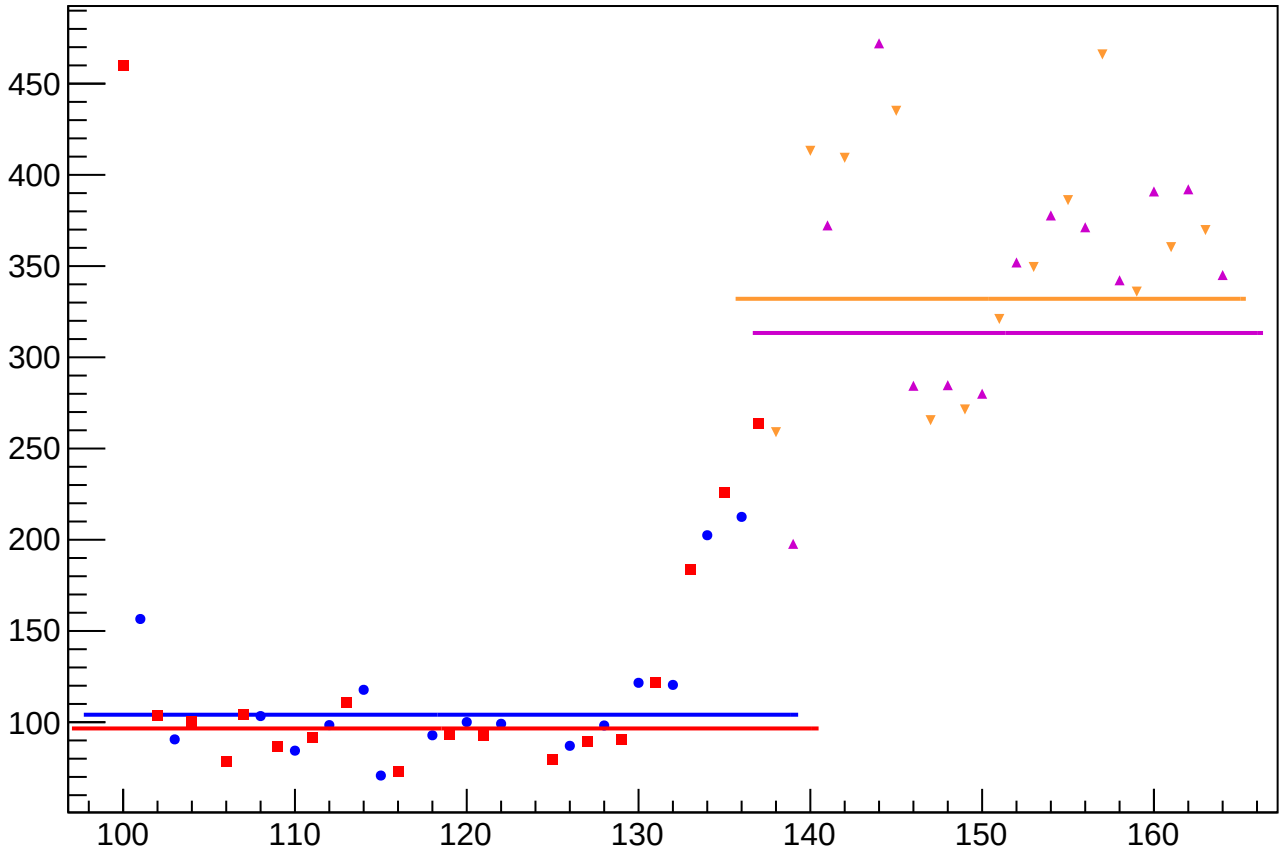
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.033+/-0.026 χ²/NDF: 72.3/59
- sign 0.030+/-0.036 χ²/NDF: 41.7/30



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

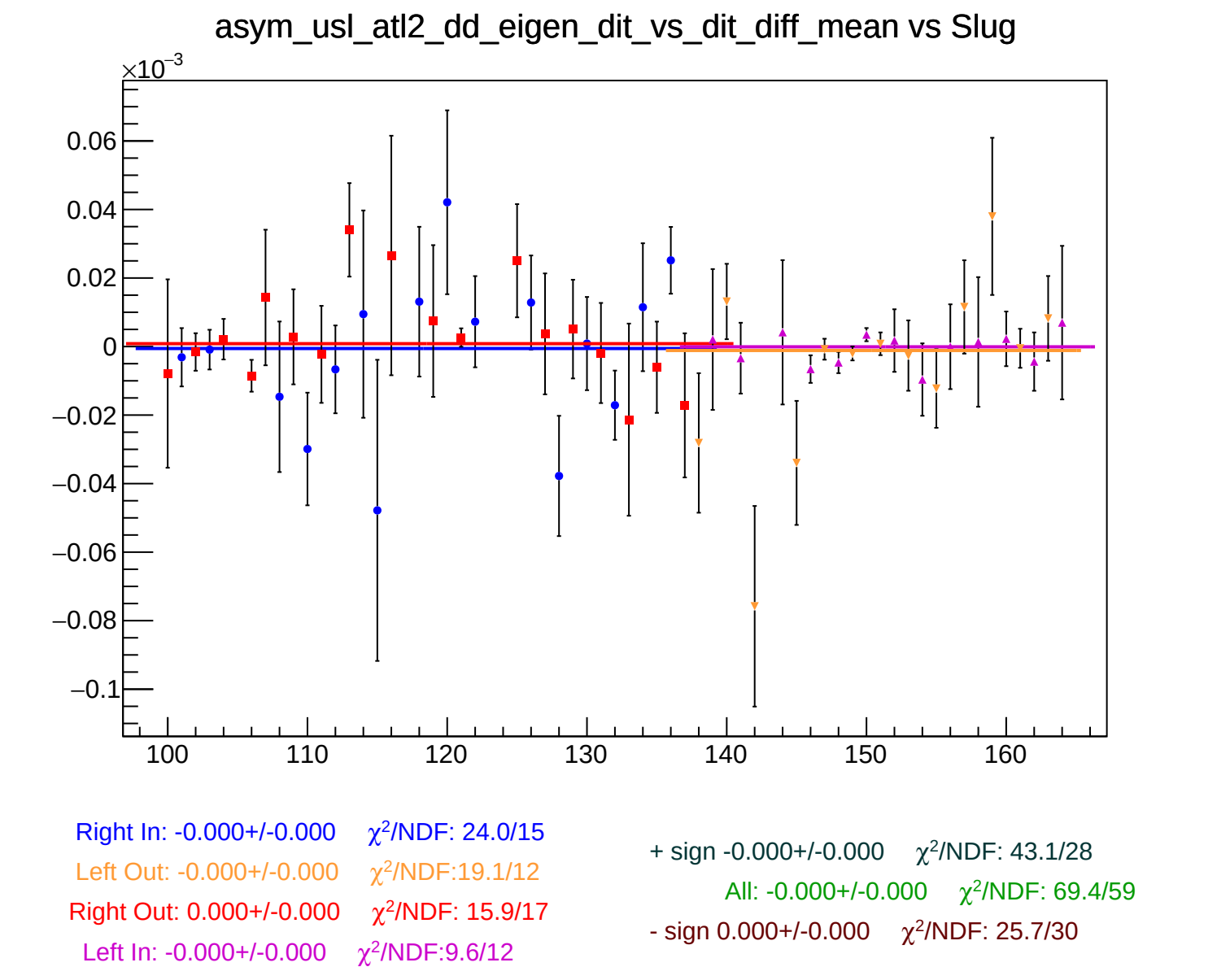
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

+ sign 133.956+/-0.027 χ^2/NDF: 9762708.8/28

All: 129.711+/-0.019 χ^2/NDF: 20253792.3/59

- 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
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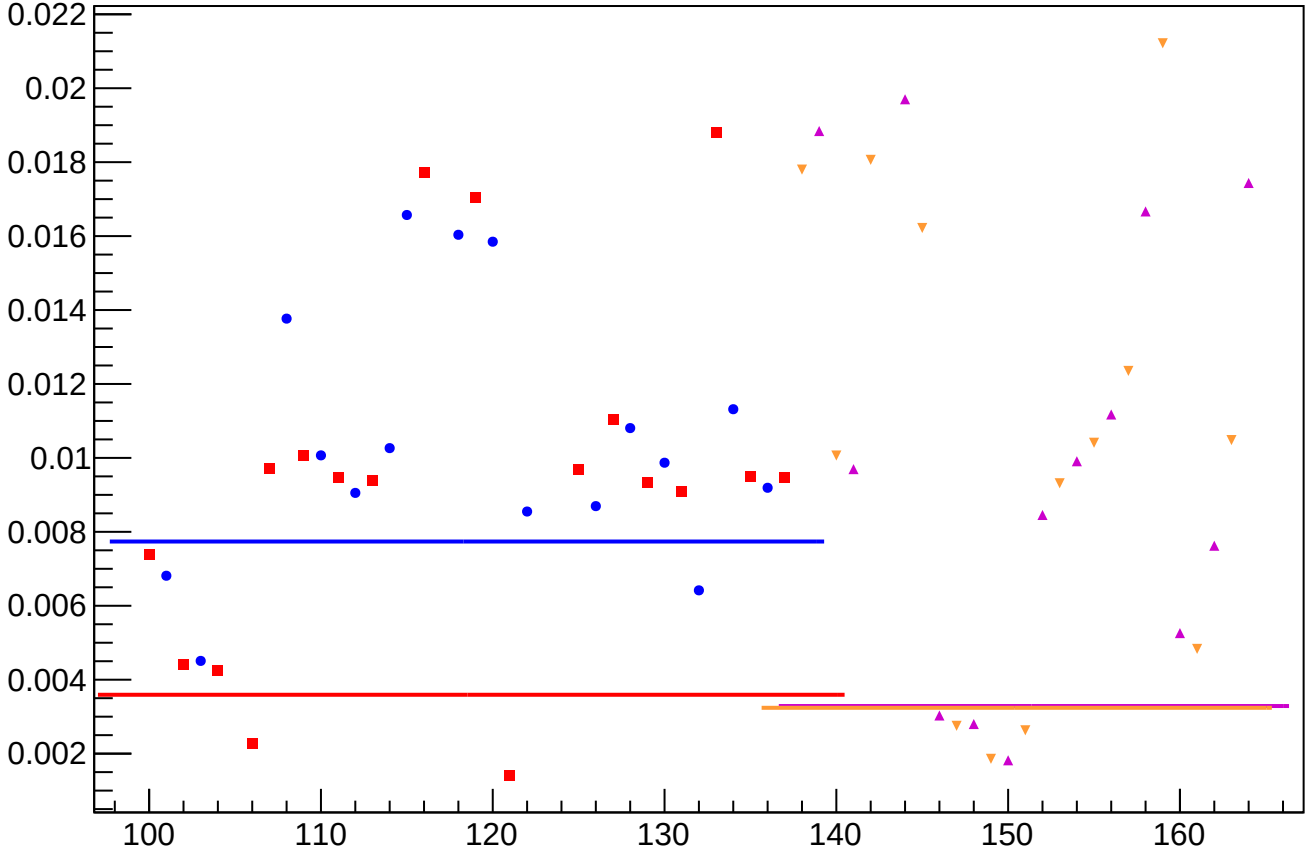
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:19.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/12
+ sign -0.000+/-0.000 χ²/NDF: 43.1/28
All: -0.000+/-0.000 χ²/NDF: 69.4/59
- sign 0.000+/-0.000 χ²/NDF: 25.7/30

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:8817285.2/12

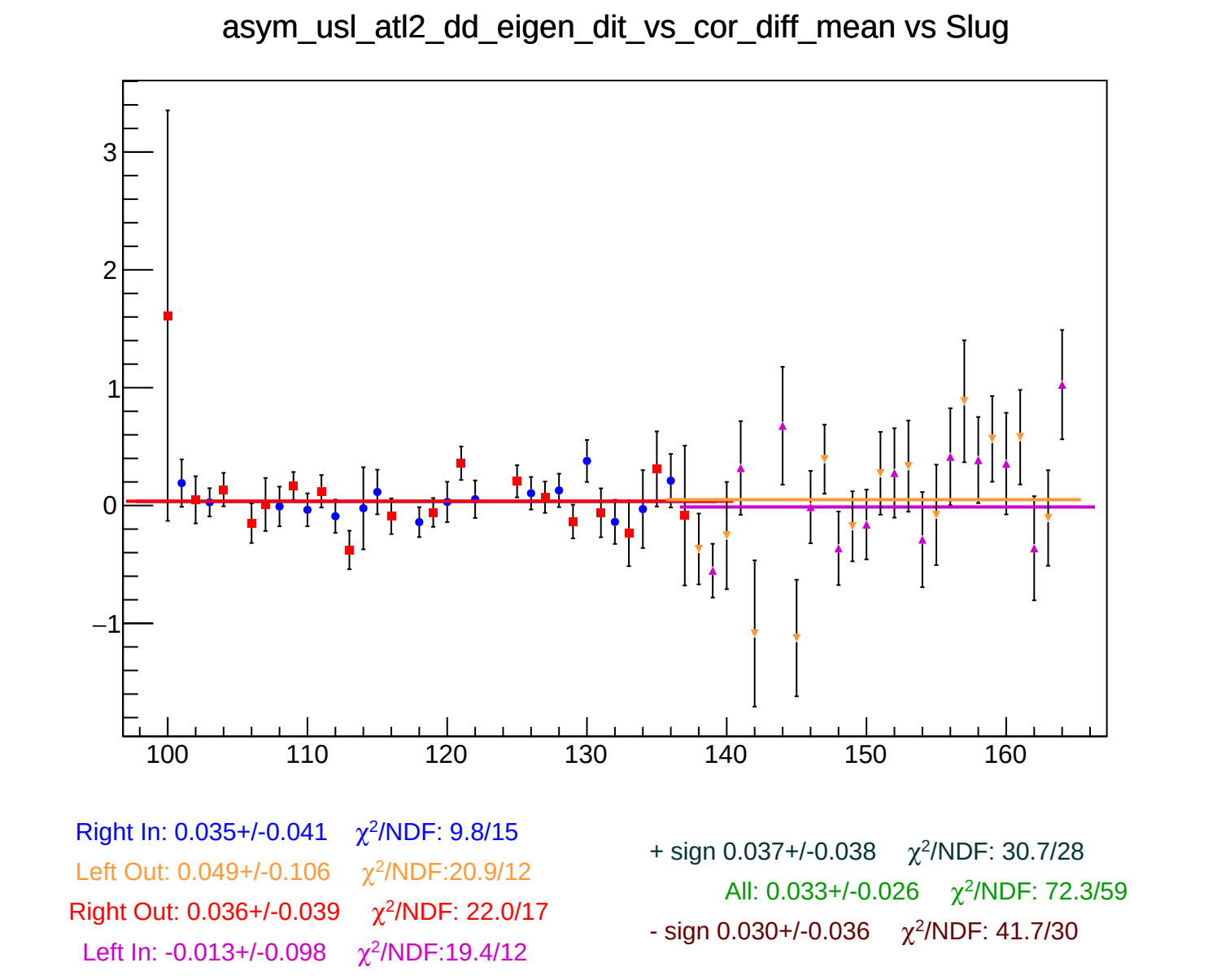
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9028620.9/12

+ sign 0.004+/-0.000 χ^2/NDF: 14000937.2/28

All: 0.004+/-0.000 χ^2/NDF: 29673870.9/59

- sign 0.003+/-0.000 χ^2/NDF: 15428185.9/30


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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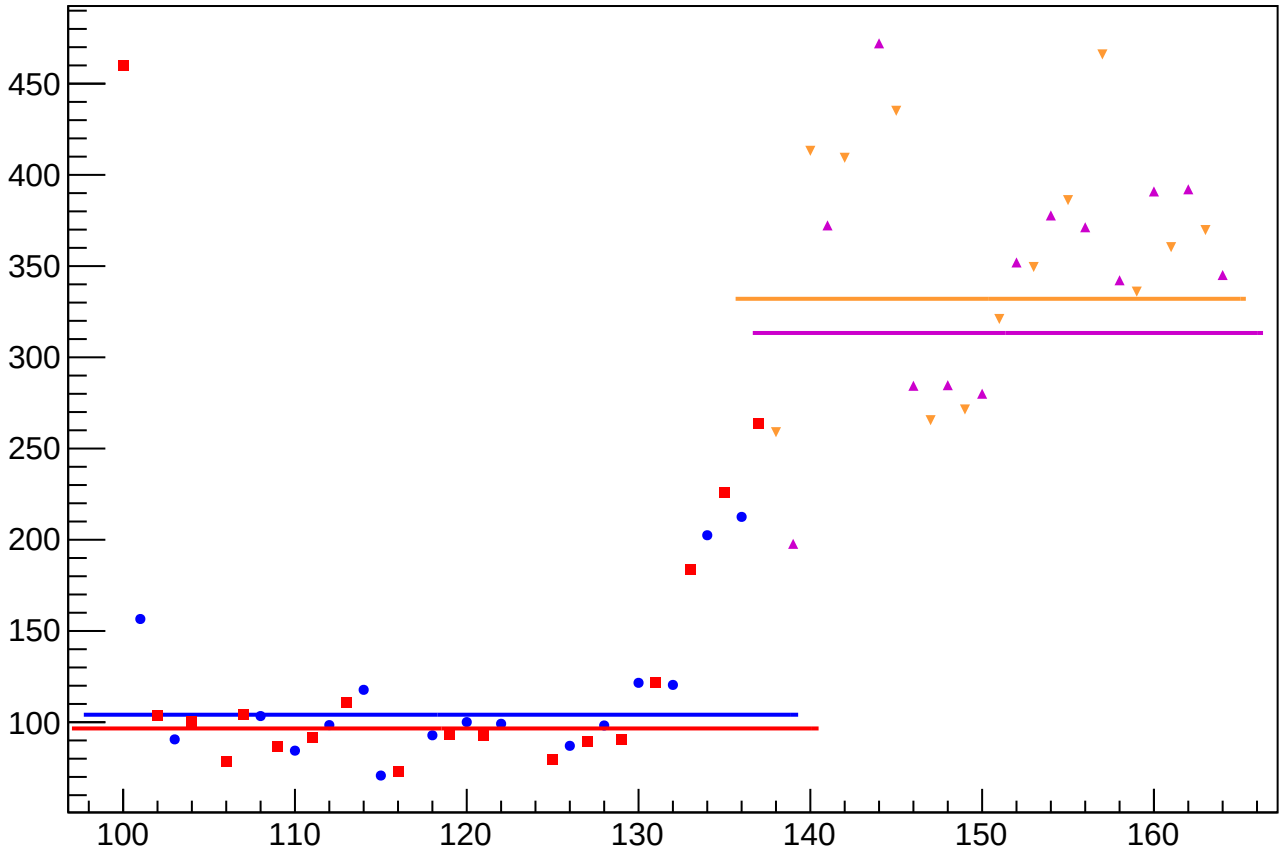
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.033+/-0.026 χ²/NDF: 72.3/59
- sign 0.030+/-0.036 χ²/NDF: 41.7/30



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

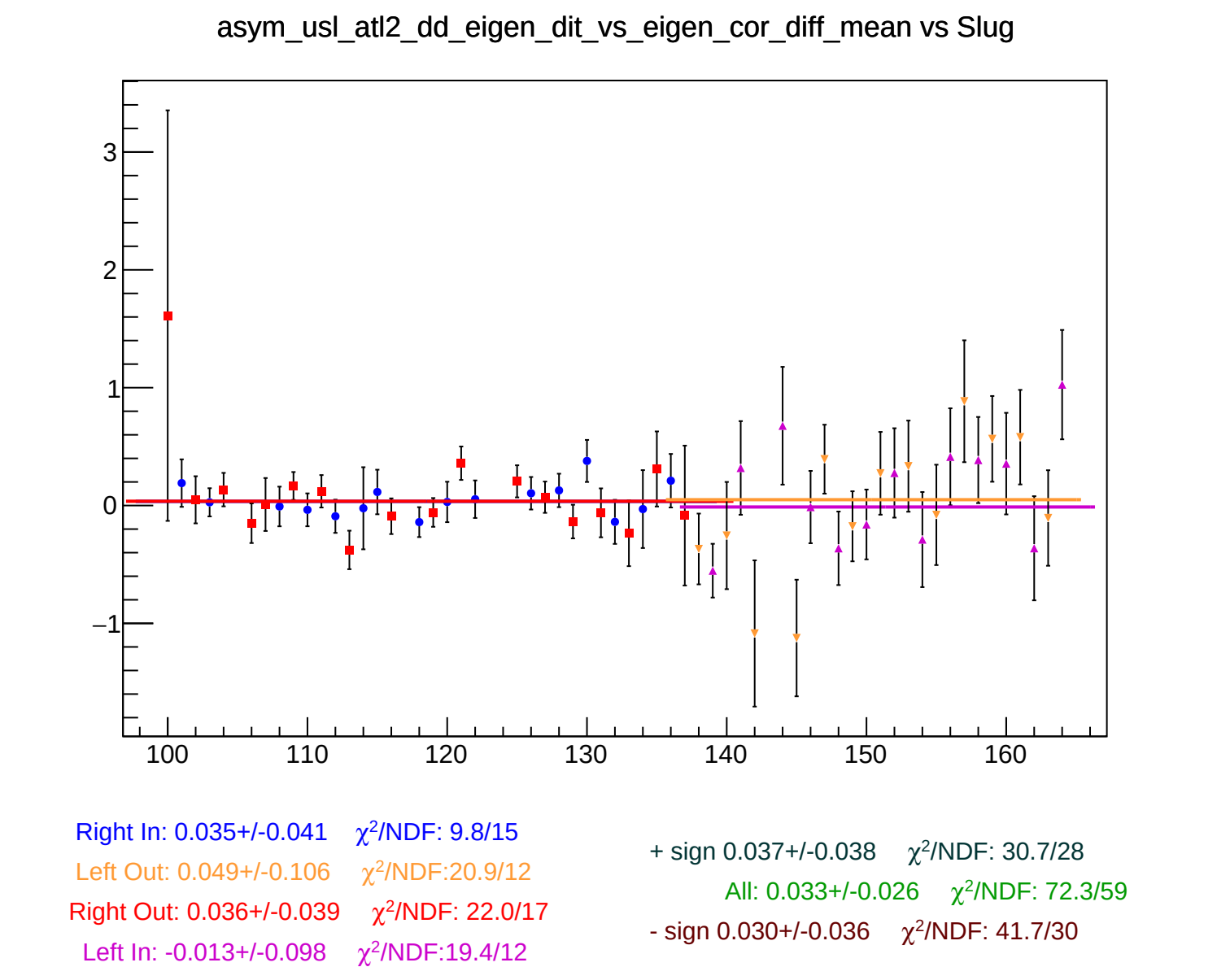
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

+ sign 133.957+/-0.027 χ^2/NDF: 9762718.2/28

All: 129.712+/-0.019 χ^2/NDF: 20253746.5/59

- sign 125.917+/-0.026 χ^2/NDF: 10444386.1/30


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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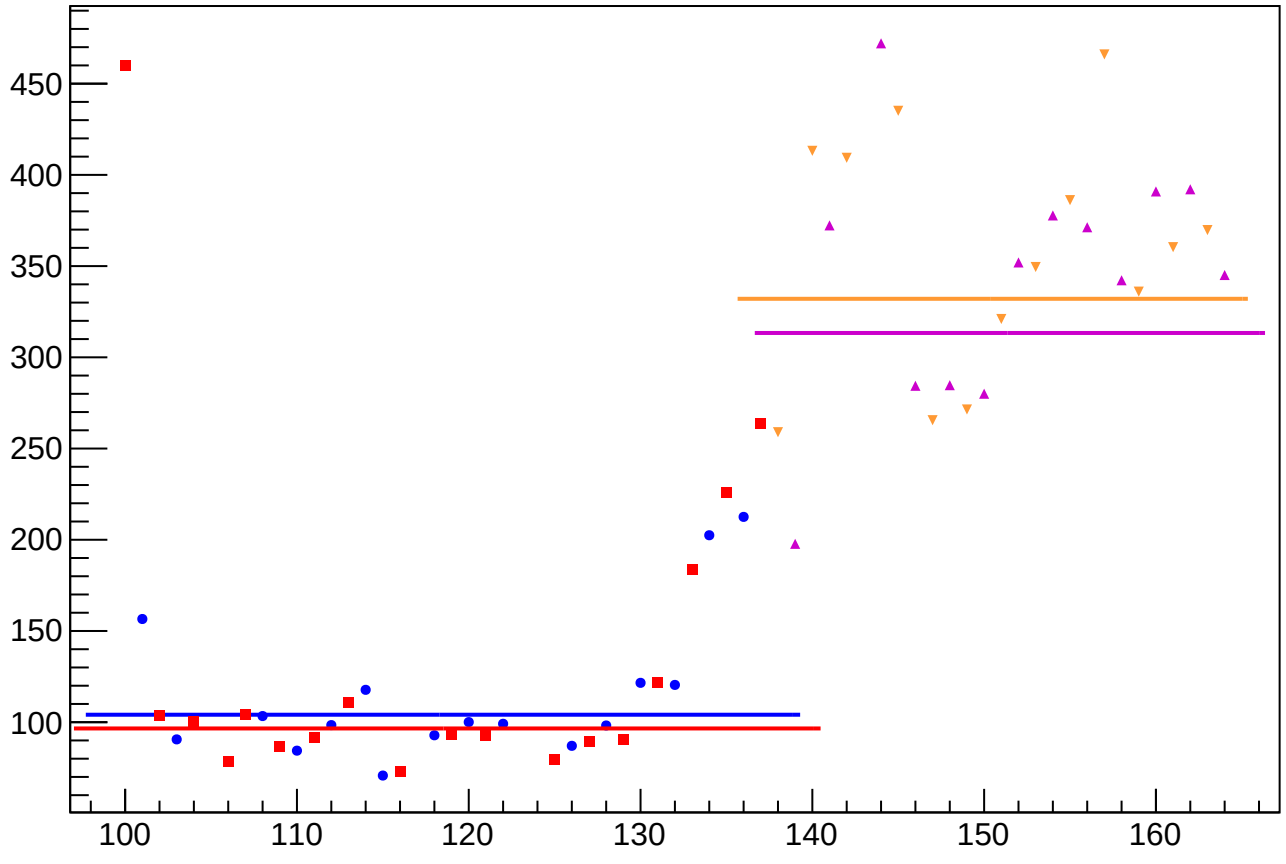
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.033+/-0.026 χ²/NDF: 72.3/59
- sign 0.030+/-0.036 χ²/NDF: 41.7/30



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

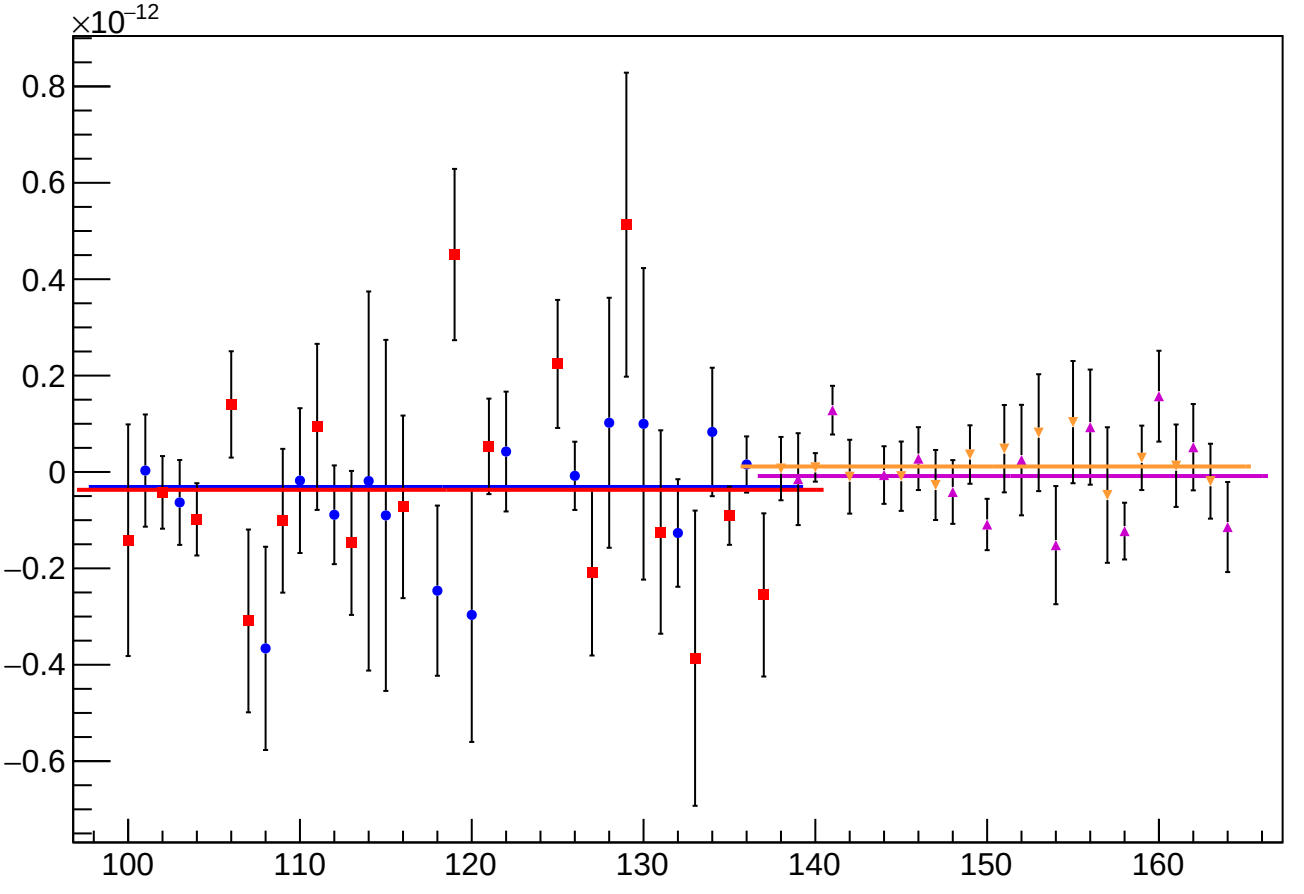
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

+ sign 133.957+/-0.027 χ^2/NDF: 9762718.2/28

All: 129.712+/-0.019 χ^2/NDF: 20253746.5/59

- 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:2.0/12

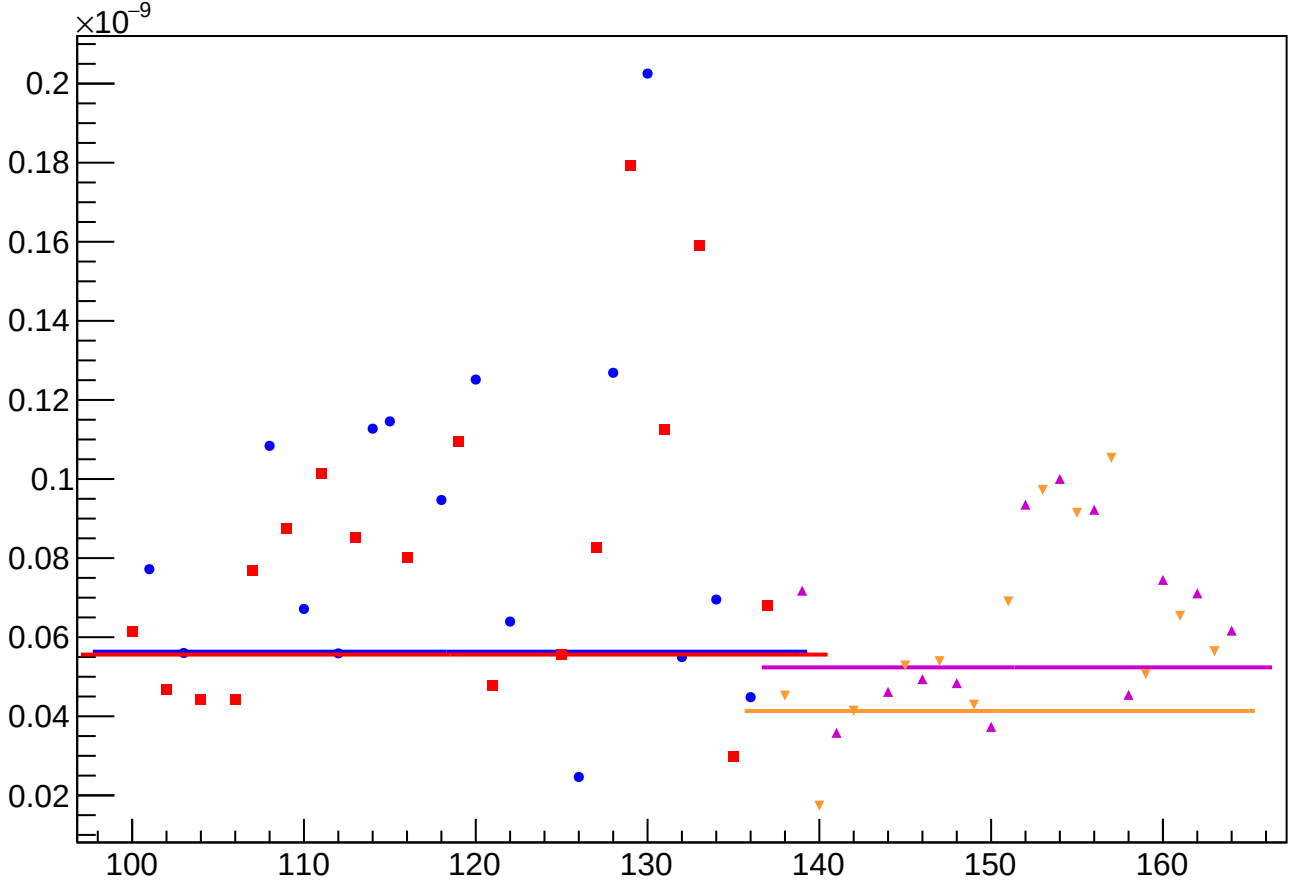
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:22.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 12.1/28

All: -0.000+/-0.000 χ^2/NDF: 62.6/59

- sign -0.000+/-0.000 χ^2/NDF: 49.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3040124.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

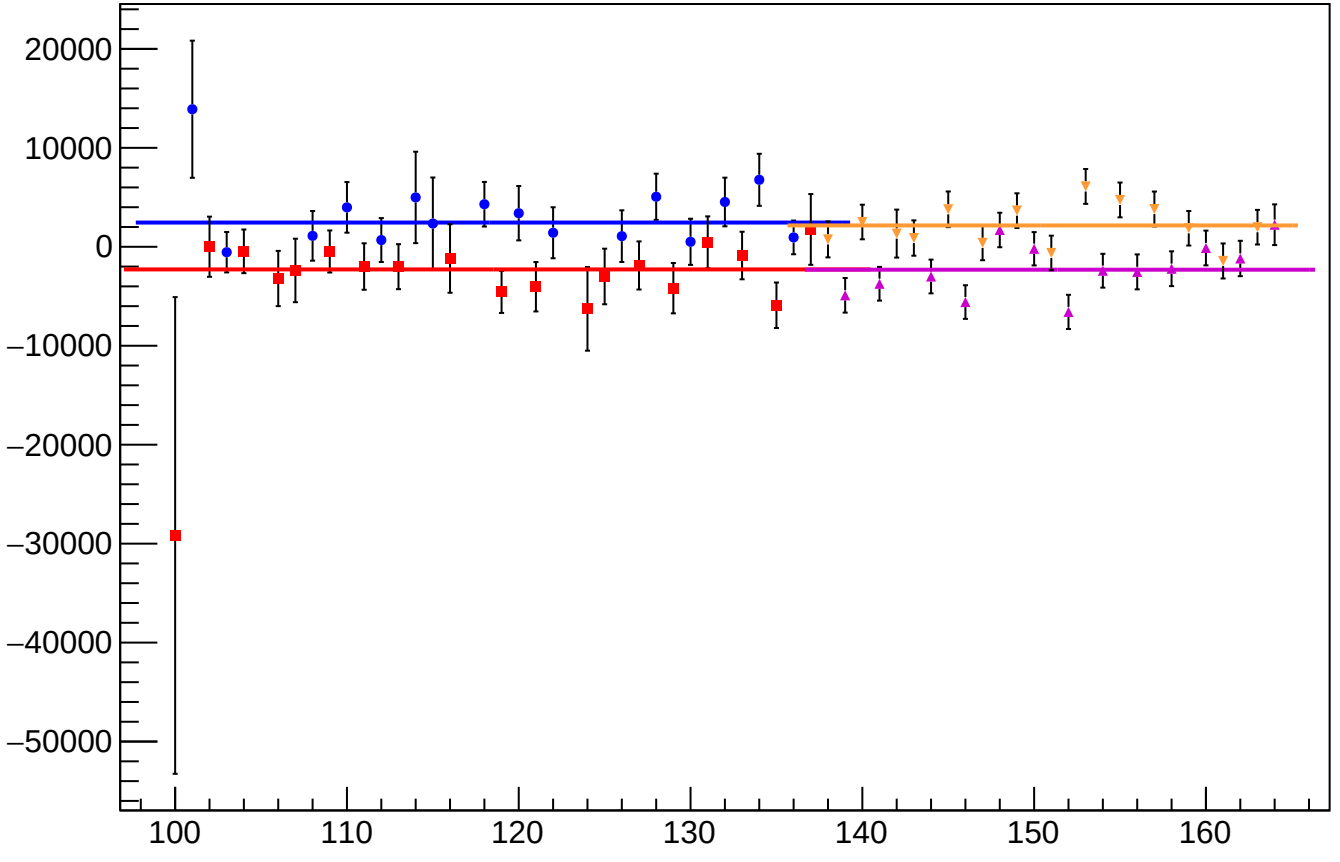
Left In: 0.000+/-0.000 χ^2/NDF:1517481.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 4995944.2/28

All: 0.000+/-0.000 χ^2/NDF: 8546282.0/59

- sign 0.000+/-0.000 χ^2/NDF: 3301934.0/30

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.853+/-479.853 χ^2/NDF:18.6/13

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

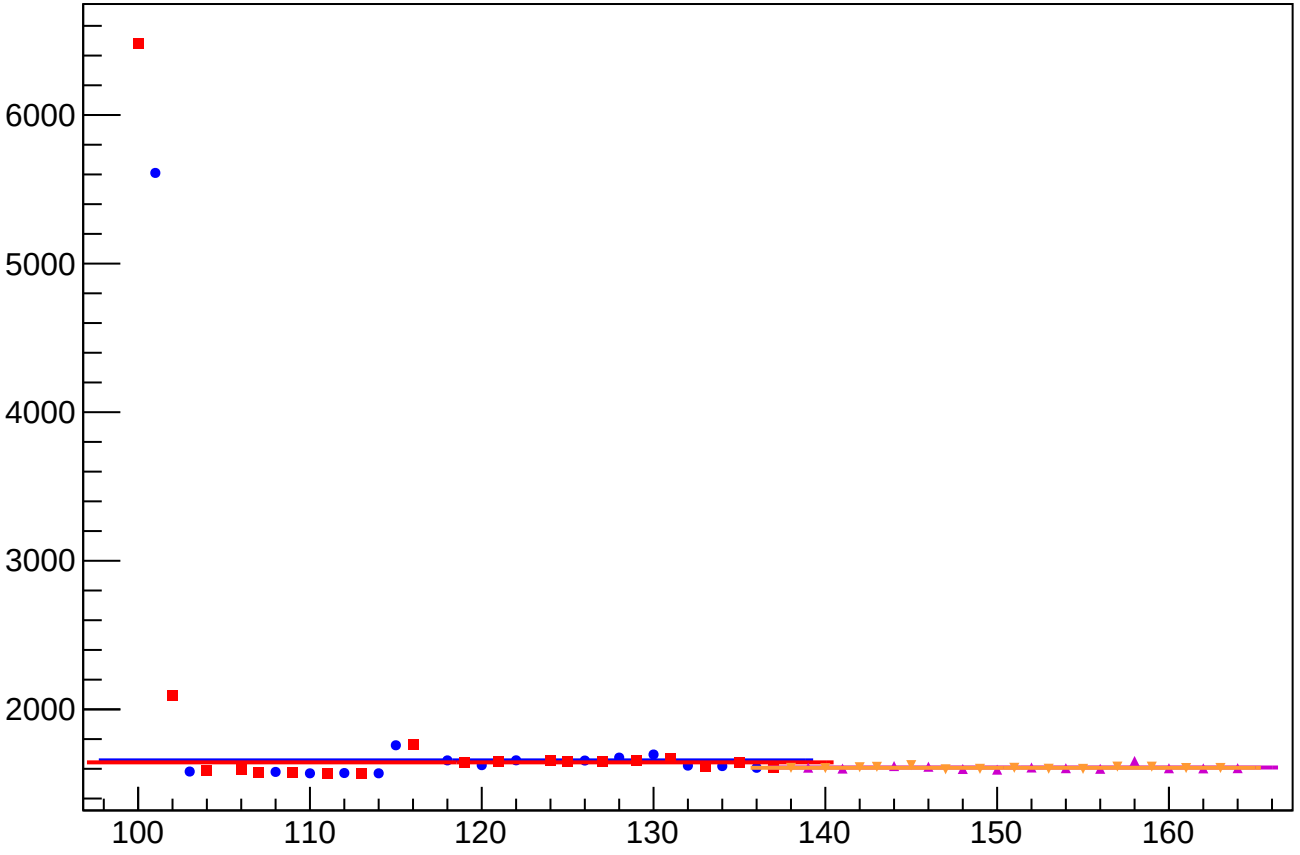
Left In: -2314.976+/-485.721 χ^2/NDF:26.6/12

+ sign 2264.414+/-381.785 χ^2/NDF: 32.5/29

All: -31.841+/-269.248 χ^2/NDF: 142.9/61

- 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: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

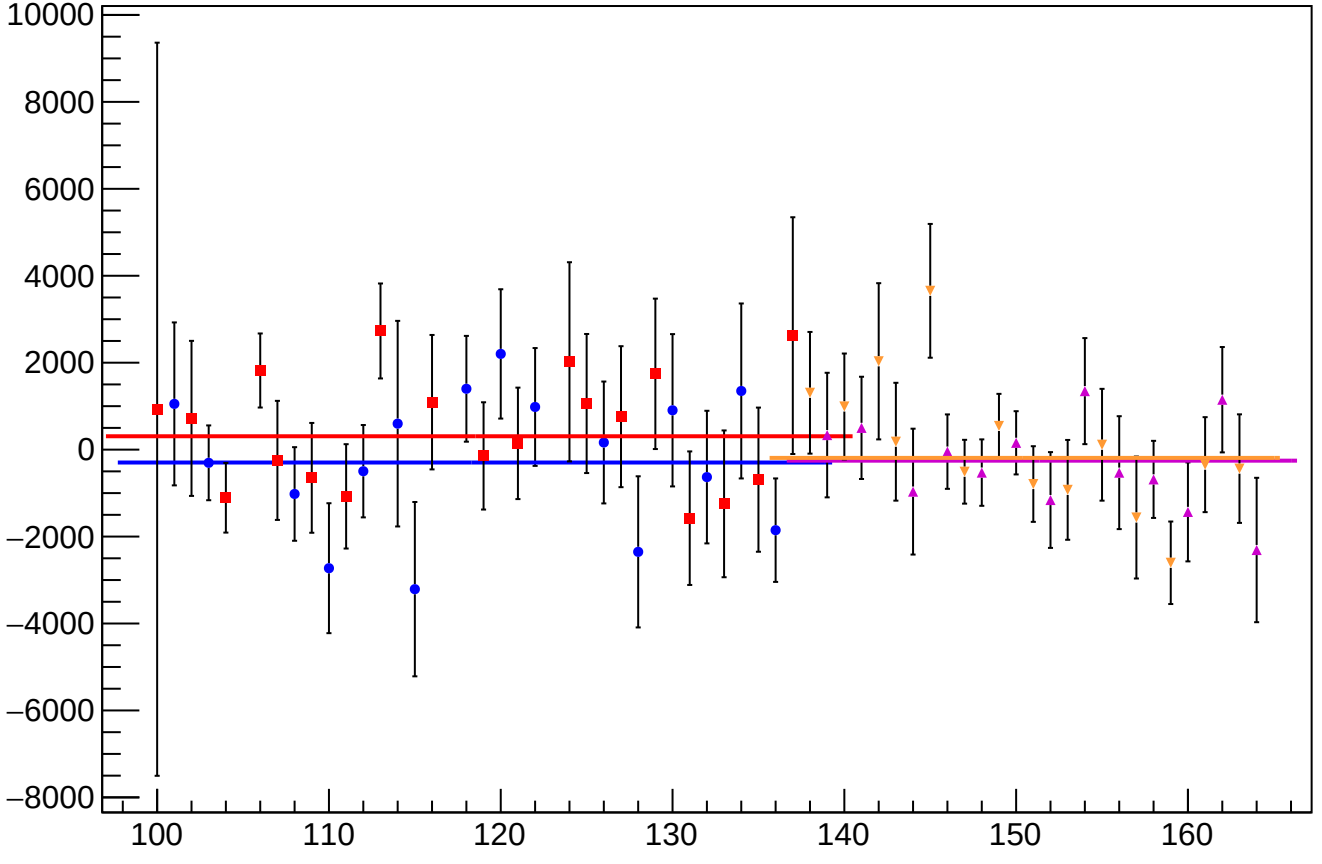
Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

+ sign 1625.260+/-0.270 χ^2/NDF: 674549.2/29

All: 1623.752+/-0.190 χ^2/NDF: 817241.1/61

- 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: -190.189+/-289.490 χ^2/NDF:19.5/13

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

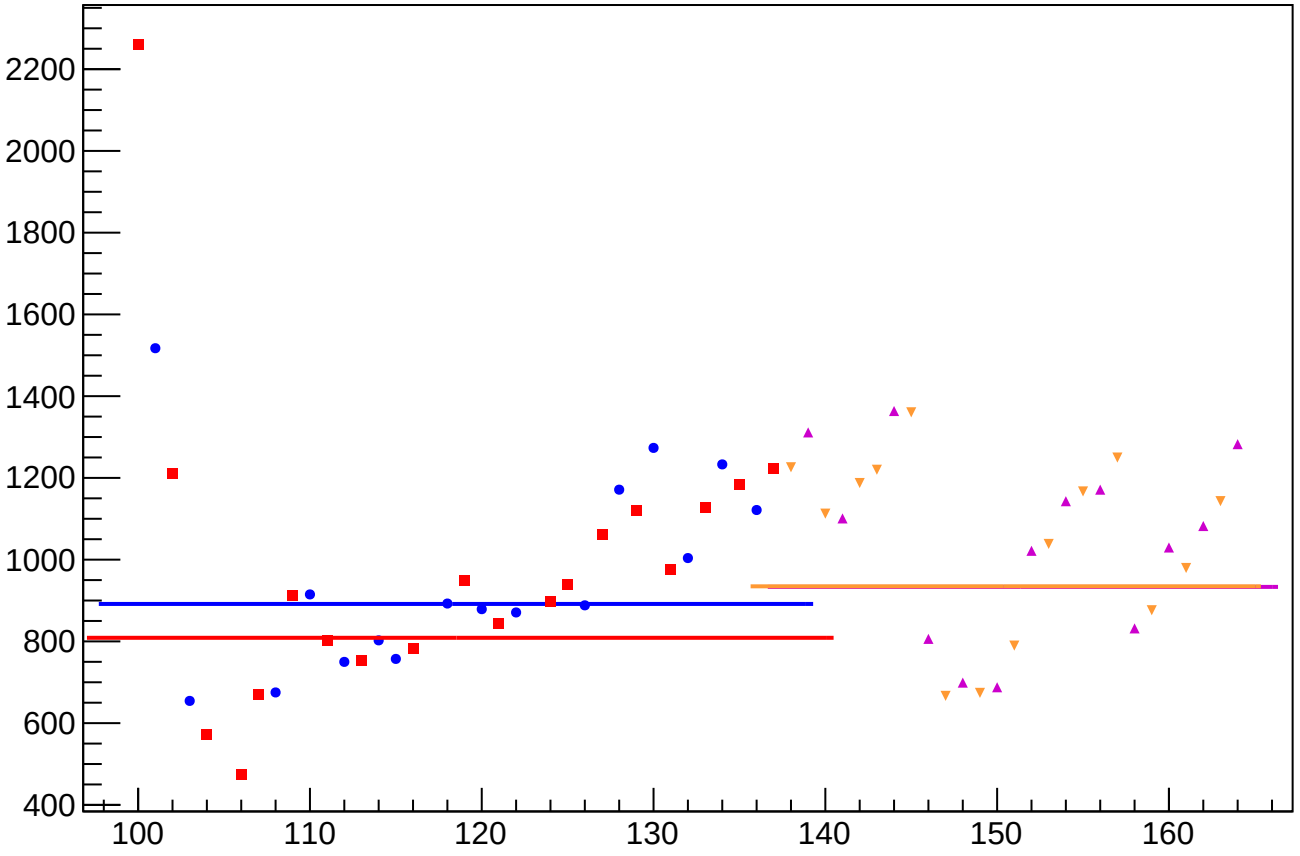
Left In: -253.800+/-290.741 χ^2/NDF:7.9/12

+ sign -234.328+/-221.345 χ^2/NDF: 35.5/29

All: -109.408+/-153.484 χ^2/NDF: 64.5/61

- 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: 934.734+/-0.205 χ^2/NDF:1230933.7/13

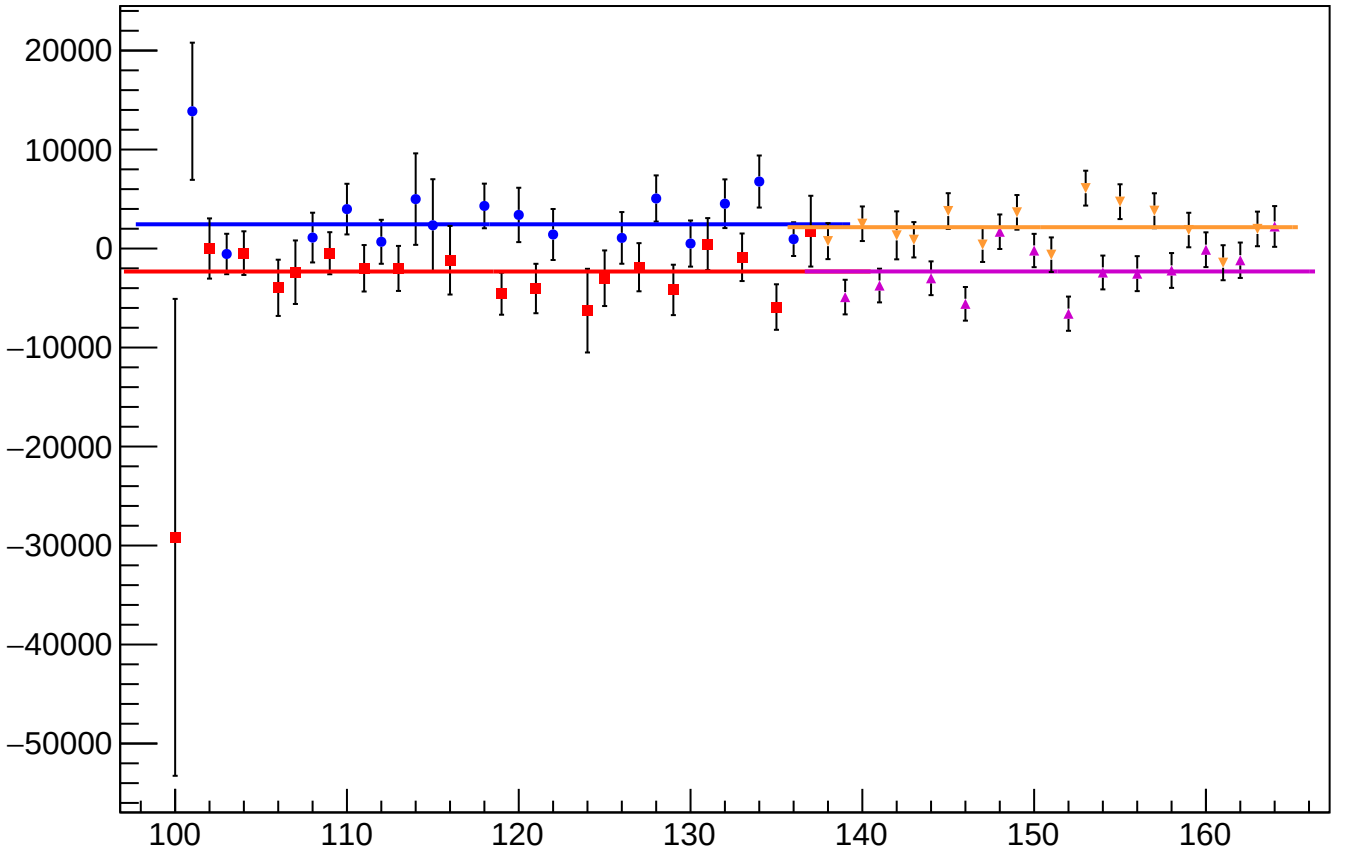
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 933.339+/-0.206 χ^2/NDF:1114533.8/12

+ sign 916.831+/-0.157 χ^2/NDF: 2043246.3/29

All: 895.453+/-0.109 χ^2/NDF: 4447516.1/61

- sign 875.654+/-0.151 χ^2/NDF: 2368336.3/31



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

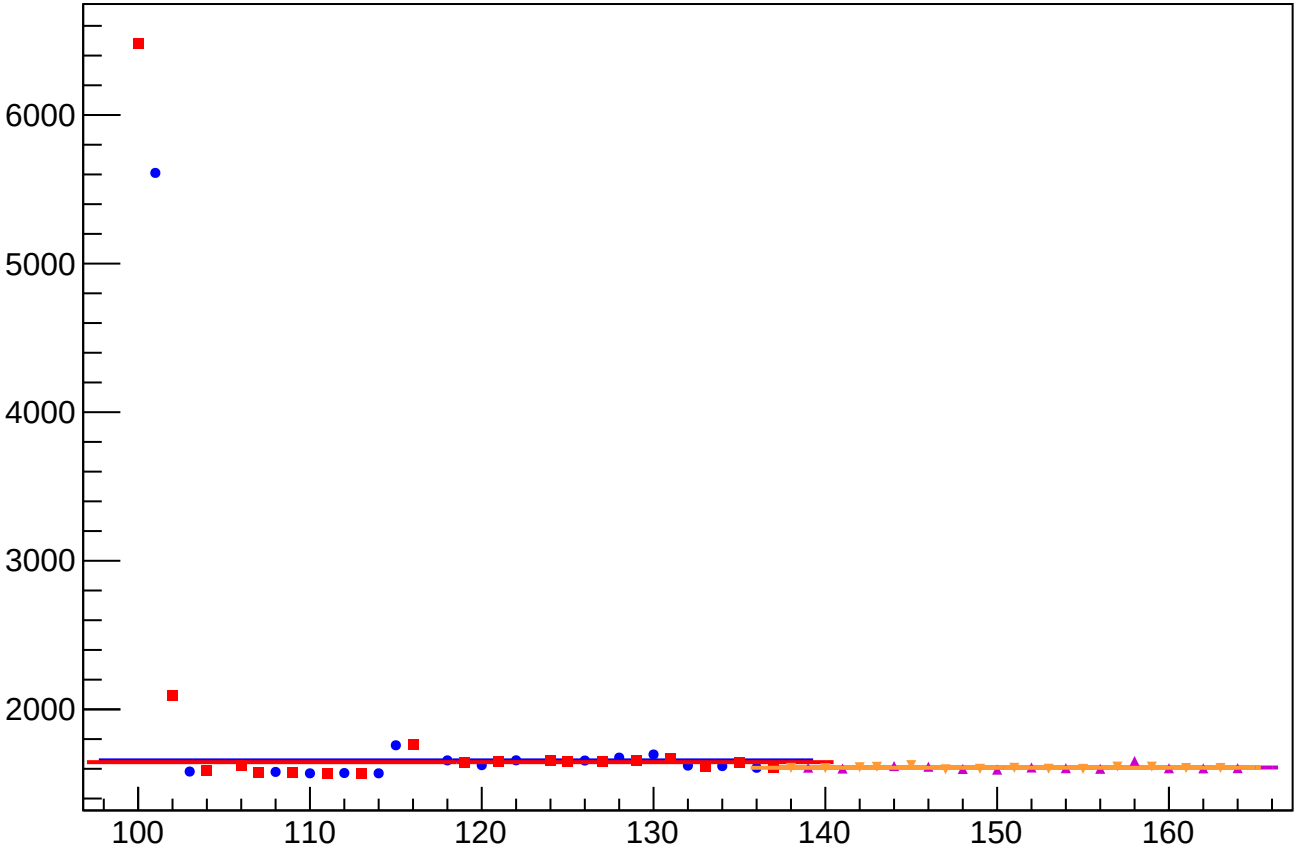
Left In: -2315.012+/-485.721 χ^2/NDF:26.6/12

+ sign 2264.195+/-381.785 χ^2/NDF: 32.5/29

All: -37.873+/-269.291 χ^2/NDF: 143.5/61

- 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: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

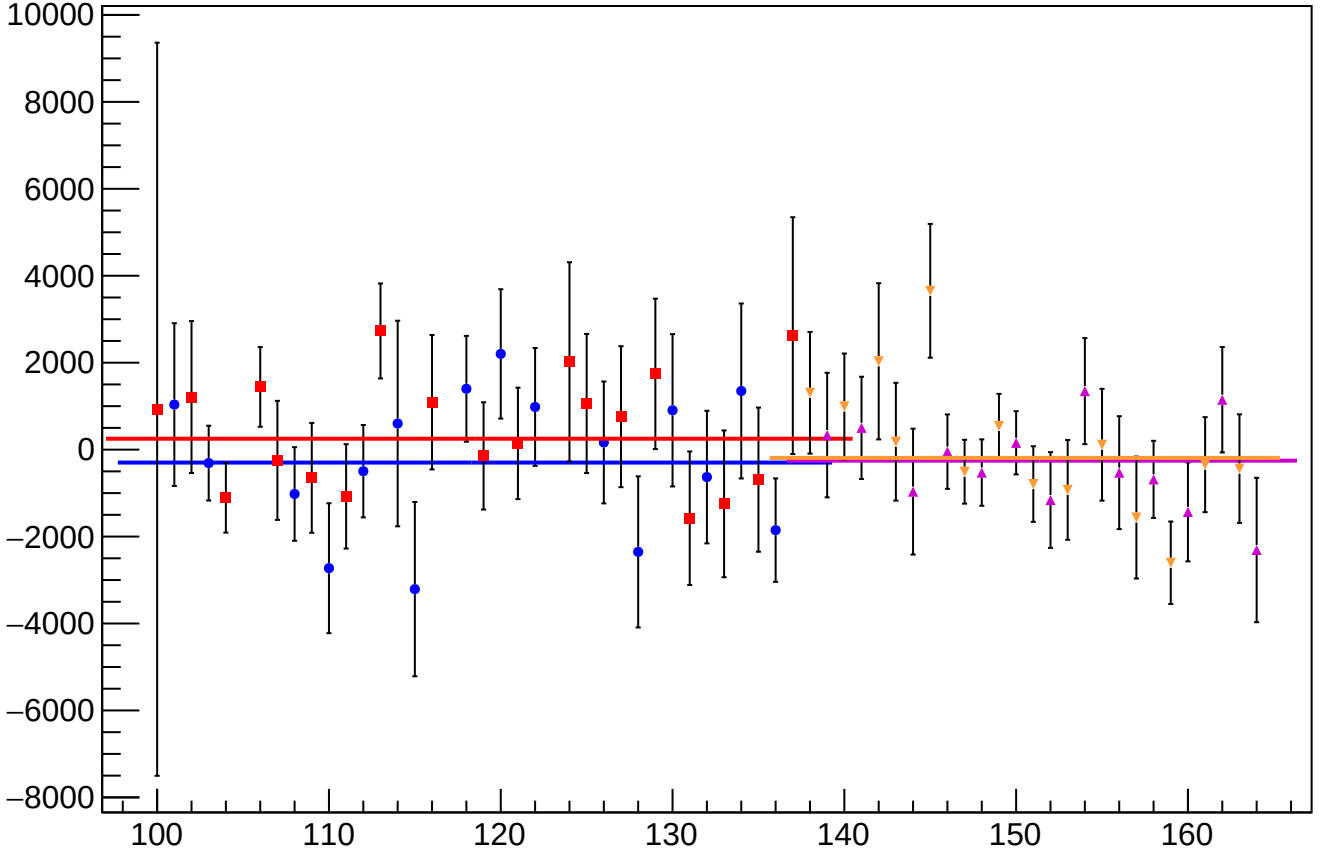
Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

\+ sign 1625.260+/-0.270 χ^2/NDF: 674548.7/29

All: 1624.000+/-0.190 χ^2/NDF: 817005.8/61

\- 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: -190.256+/-289.488 χ^2/NDF:19.5/13

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

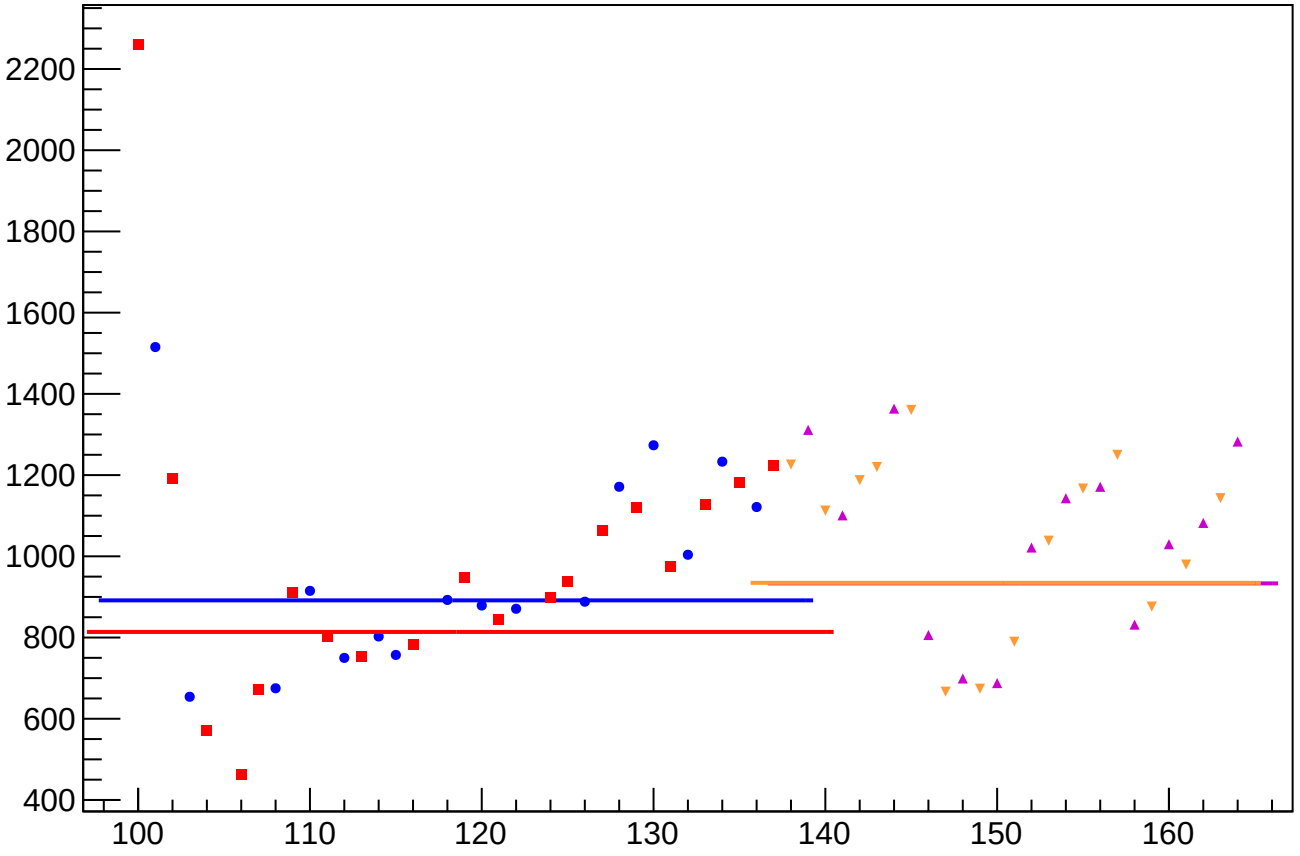
Left In: -253.848+/-290.742 χ^2/NDF:7.9/12

+ sign -234.932+/-221.332 χ^2/NDF: 35.5/29

All: -124.873+/-153.803 χ^2/NDF: 62.6/61

- 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: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

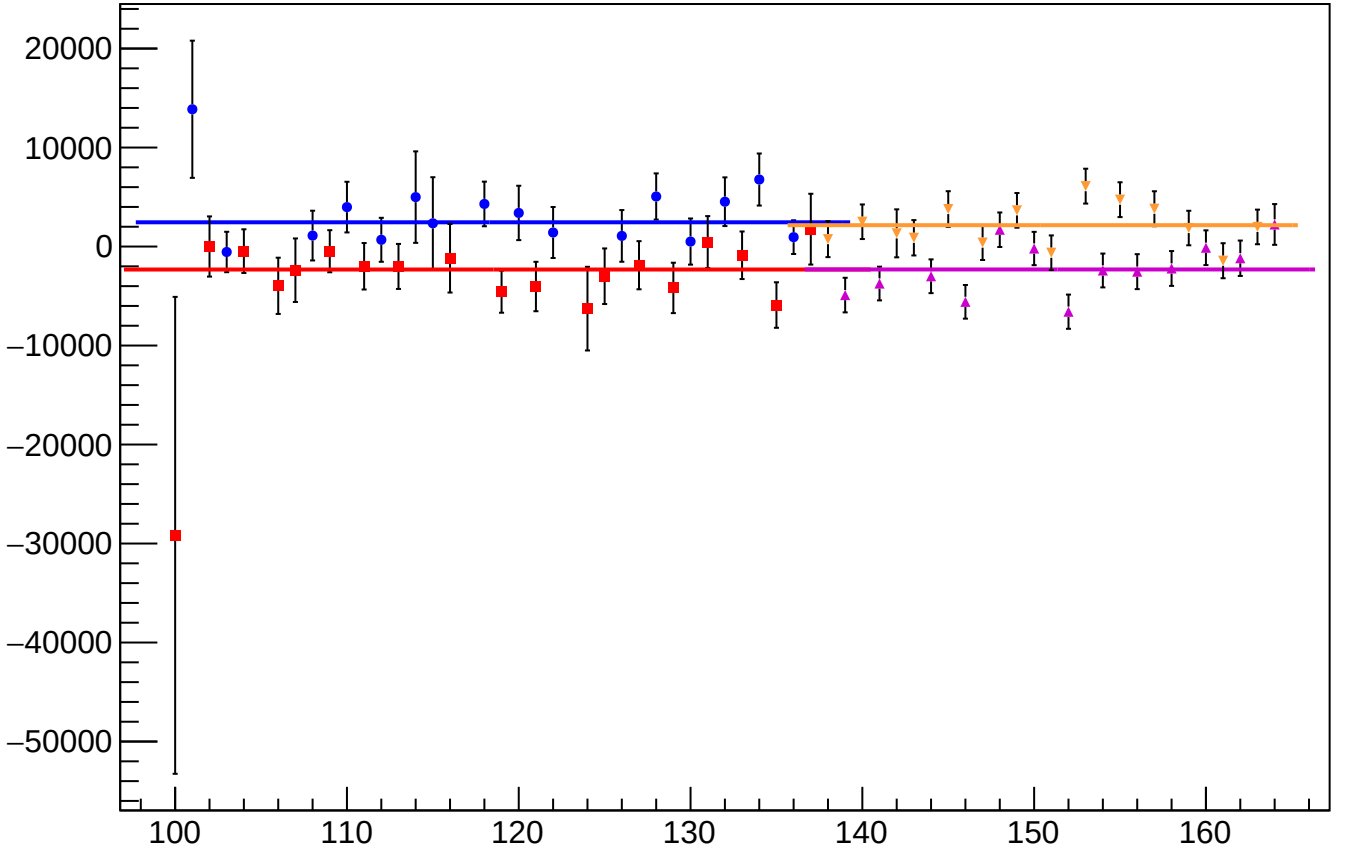
Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

+ sign 916.782+/-0.157 χ^2/NDF: 2043185.0/29

All: 896.983+/-0.109 χ^2/NDF: 4396732.3/61

- 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: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

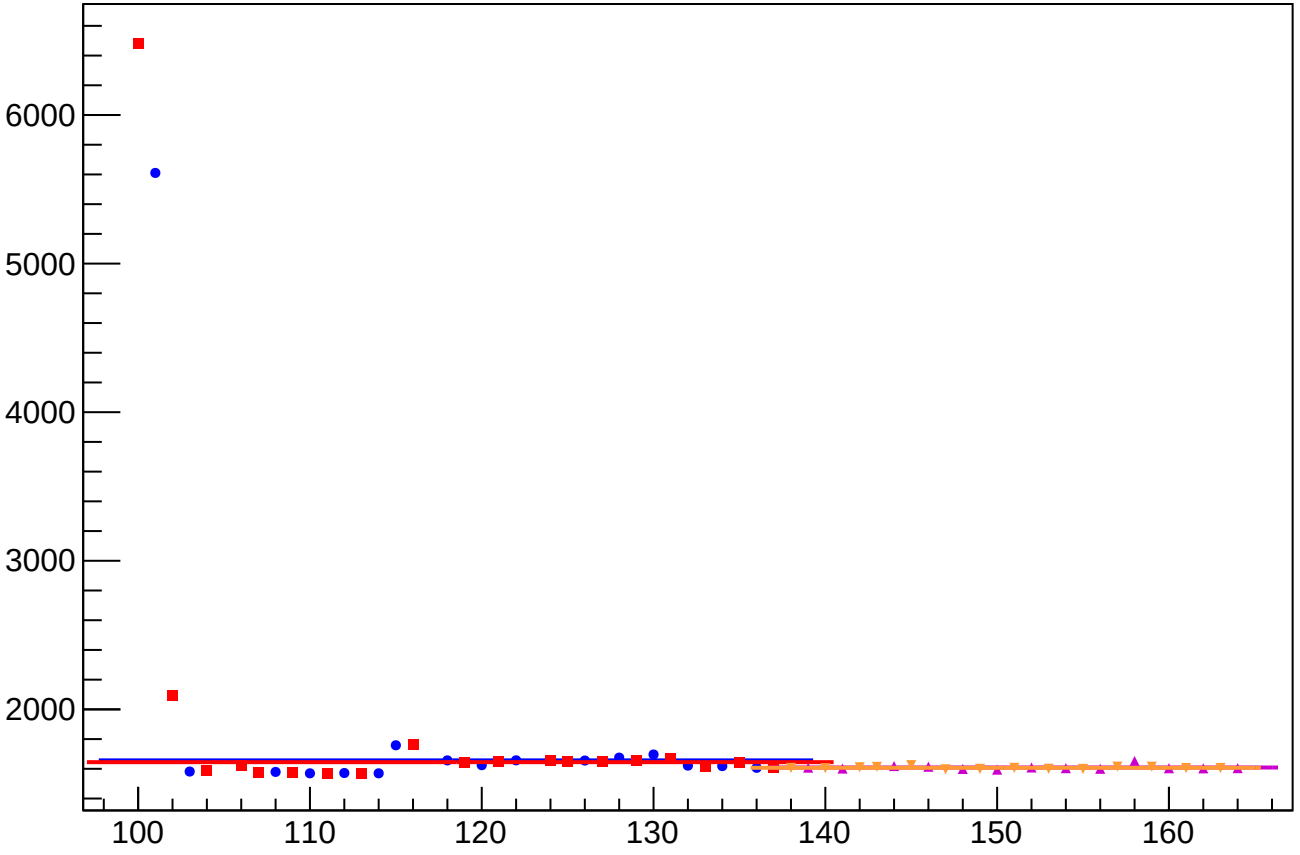
Left In: -2315.012+/-485.721 χ^2/NDF:26.6/12

+ sign 2264.195+/-381.785 χ^2/NDF: 32.5/29

All: -37.873+/-269.291 χ^2/NDF: 143.5/61

- 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: 1607.044+/-0.339 χ^2/NDF:468.8/13

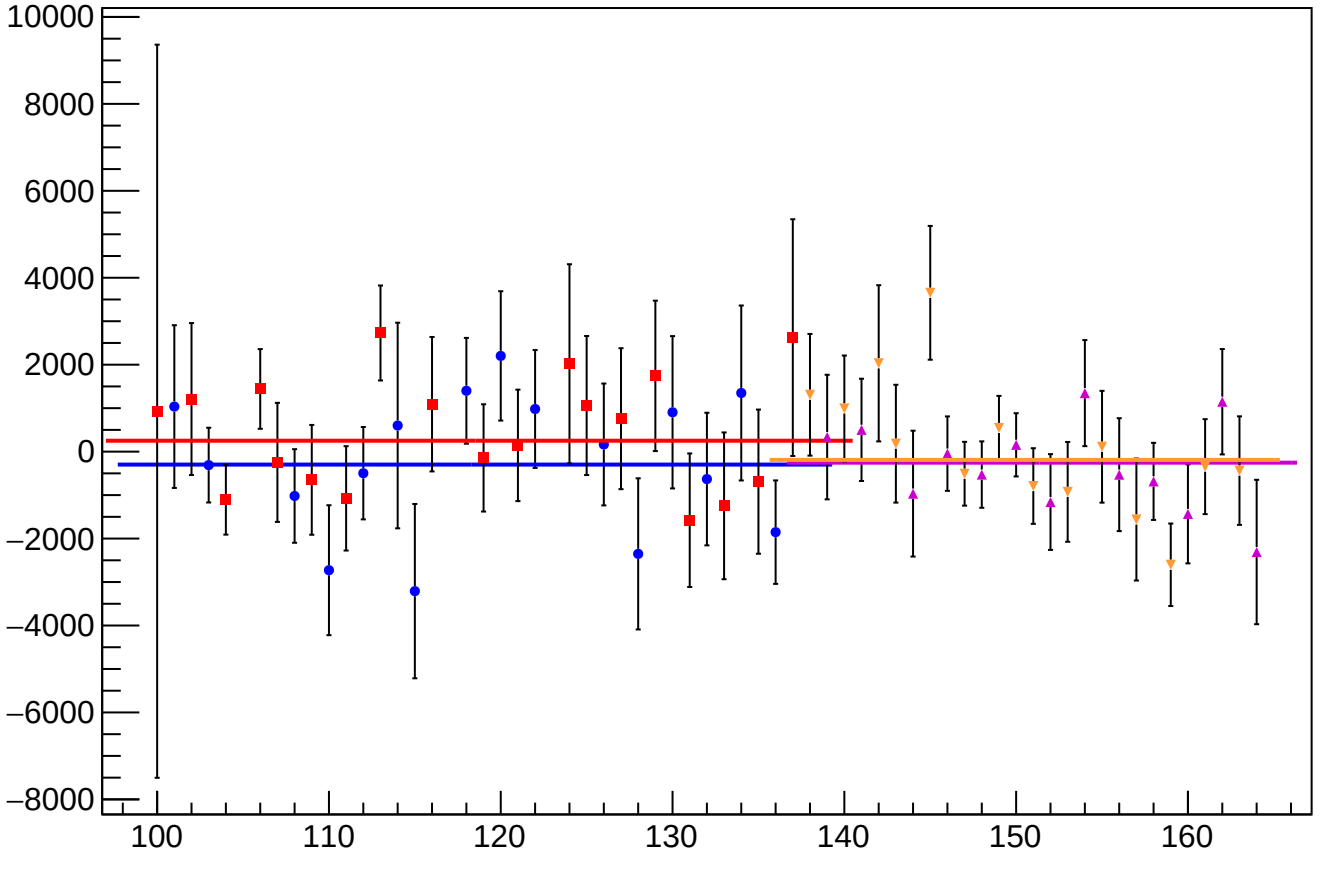
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

+ sign 1625.260+/-0.270 χ^2/NDF: 674548.7/29

All: 1624.000+/-0.190 χ^2/NDF: 817005.8/61

- sign 1622.752+/-0.269 χ^2/NDF: 142413.6/31



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -190.256+/-289.488 χ^2/NDF:19.5/13

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

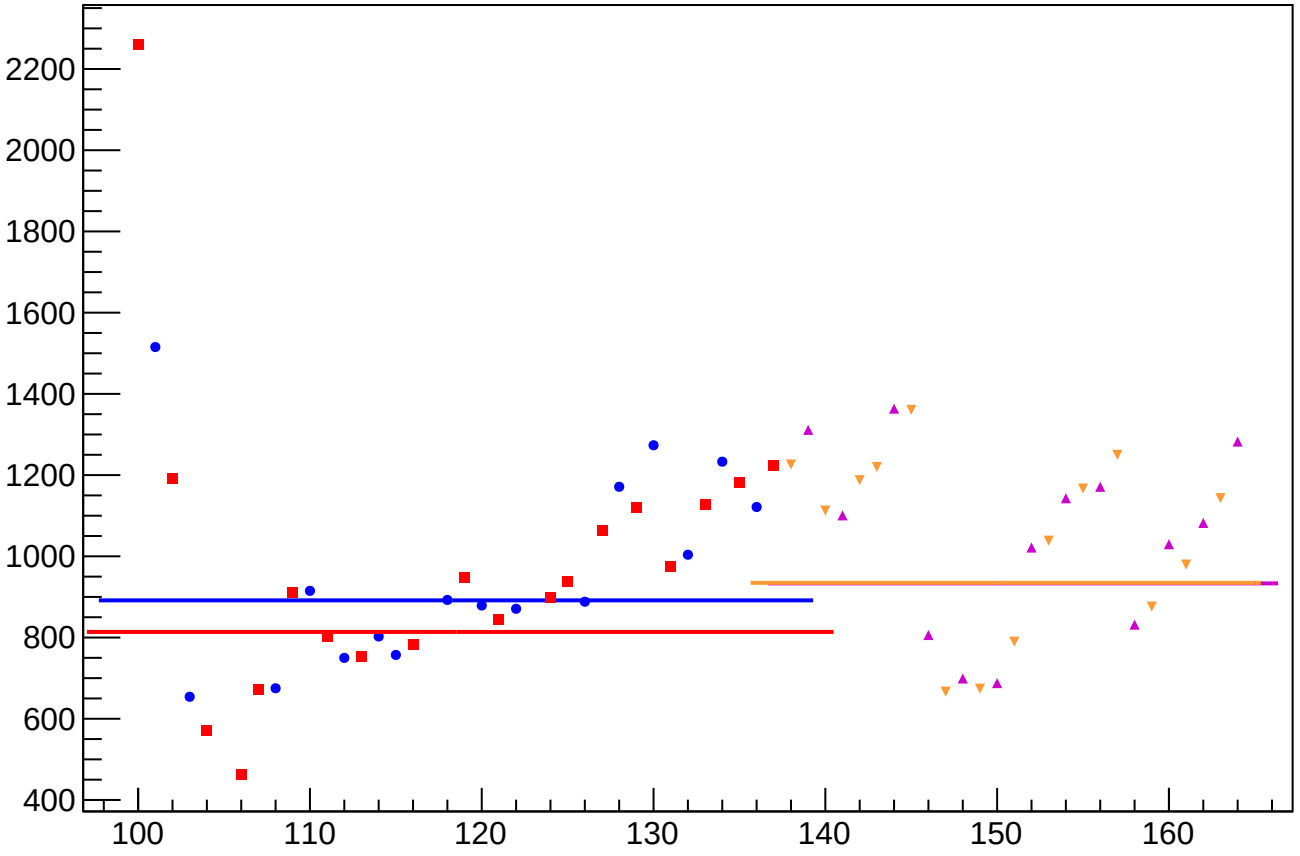
Left In: -253.848+/-290.742 χ^2/NDF:7.9/12

+ sign -234.932+/-221.332 χ^2/NDF: 35.5/29

All: -124.873+/-153.803 χ^2/NDF: 62.6/61

- sign -22.099+/-213.881 χ^2/NDF: 26.6/31

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

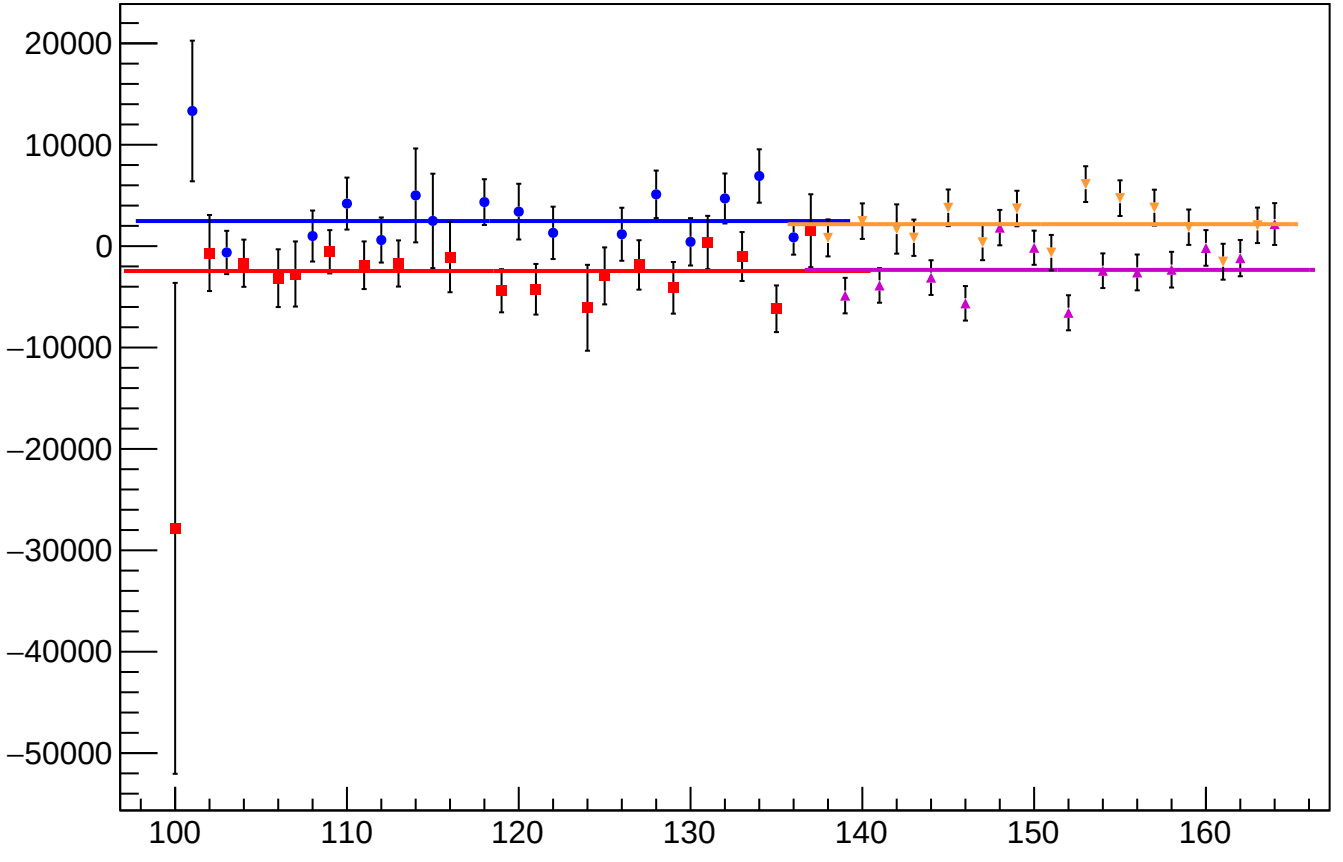
Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

+ sign 916.782+/-0.157 χ^2/NDF: 2043185.0/29

All: 896.983+/-0.109 χ^2/NDF: 4396732.3/61

- 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: 2165.769+/-480.587 χ^2/NDF:18.8/13

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

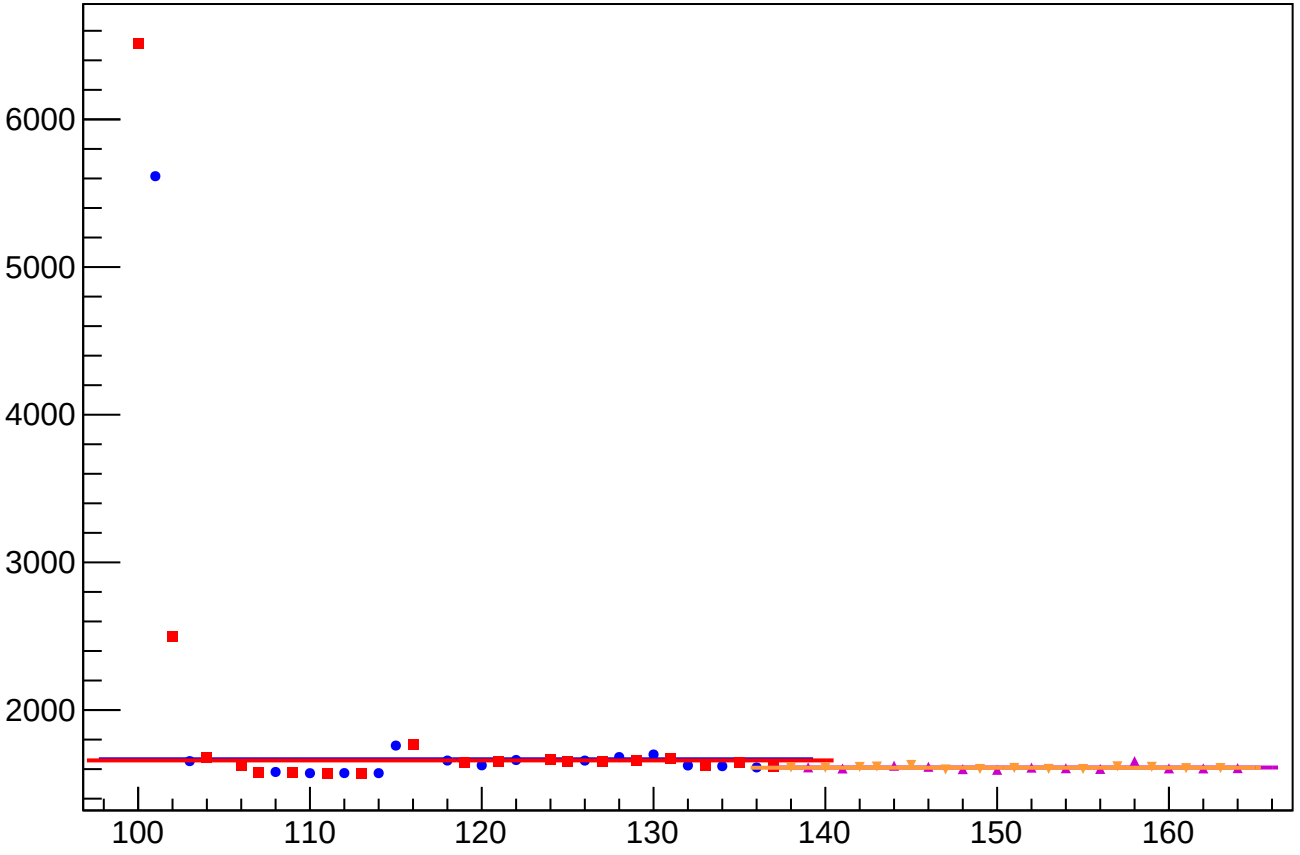
Left In: -2341.524+/-486.334 χ^2/NDF:27.0/12

+ sign 2278.727+/-382.960 χ^2/NDF: 33.1/29

All: -57.380+/-270.480 χ^2/NDF: 145.0/61

- 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: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

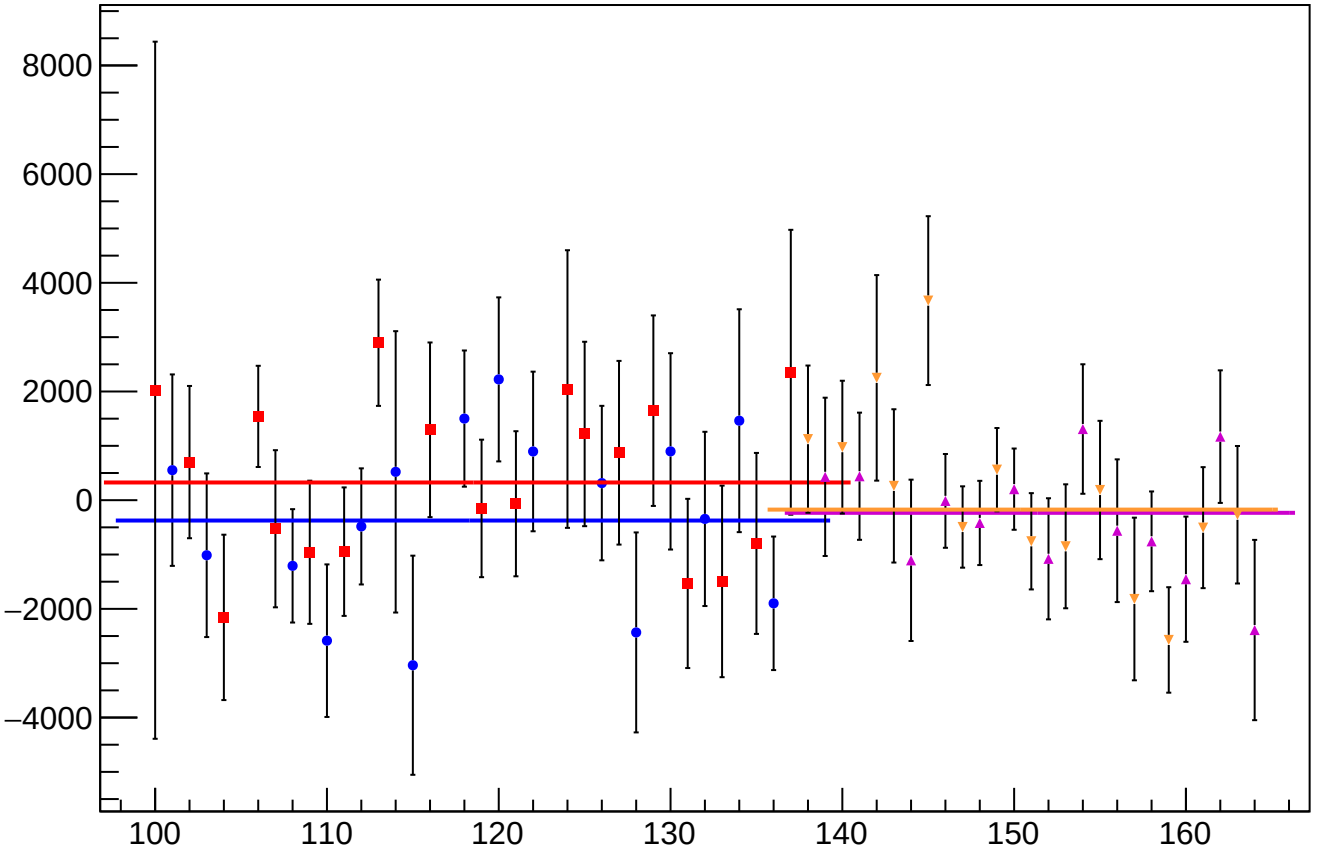
Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

+ sign 1630.265+/-0.271 χ^2/NDF: 673732.3/29

All: 1629.763+/-0.191 χ^2/NDF: 876208.1/61

- 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: -173.545+/-294.917 χ^2/NDF:19.0/13

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

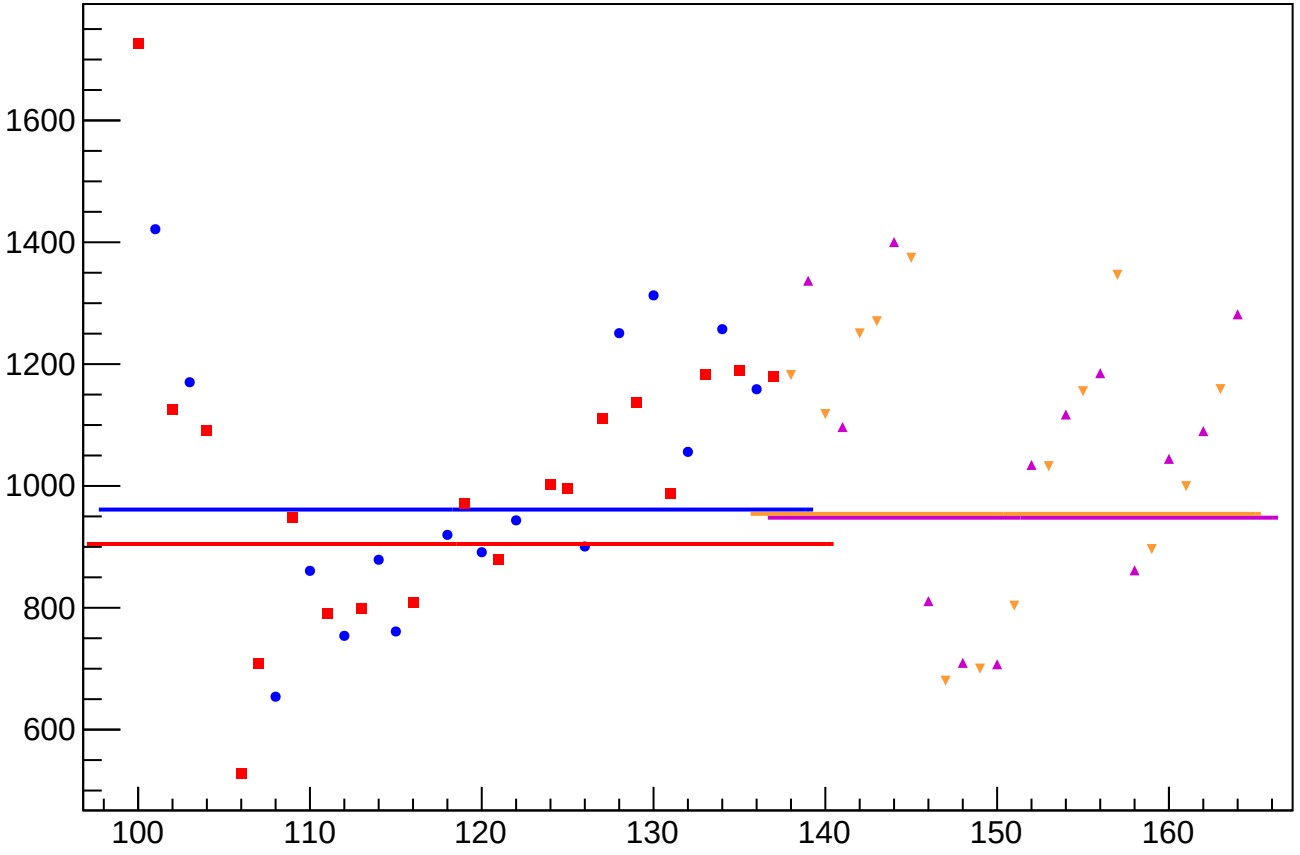
Left In: -232.651+/-294.653 χ^2/NDF:8.1/12

+ sign -252.185+/-230.120 χ^2/NDF: 35.0/29

All: -118.781+/-160.085 χ^2/NDF: 62.7/61

- 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: 954.149+/-0.209 χ^2/NDF:1193613.7/13

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

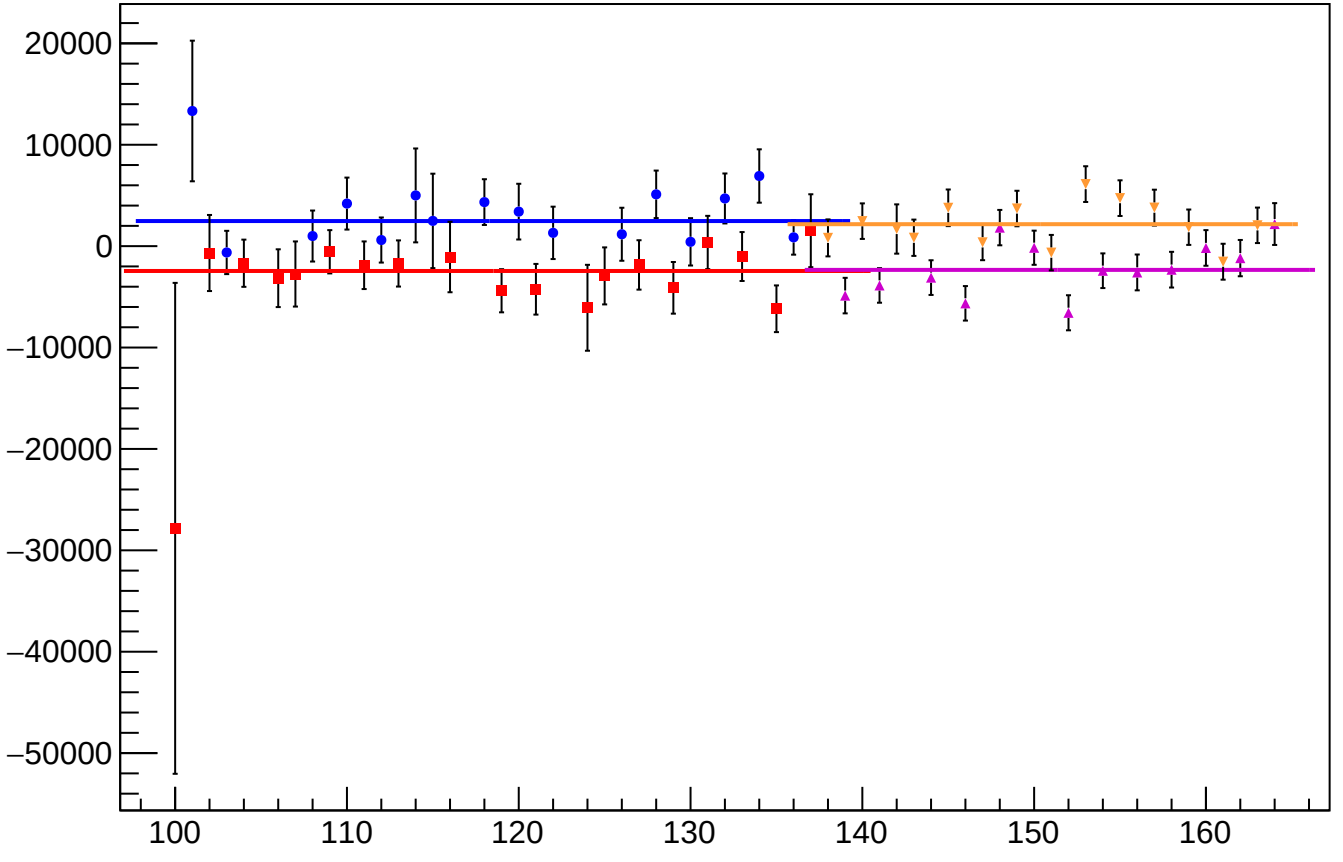
Left In: 947.914+/-0.208 χ^2/NDF:1065213.2/12

\+ sign 956.924+/-0.163 χ^2/NDF: 1885941.6/29

All: 942.737+/-0.113 χ^2/NDF: 3720751.0/61

\- 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: 2165.768+/-480.587 χ^2/NDF:18.8/13

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

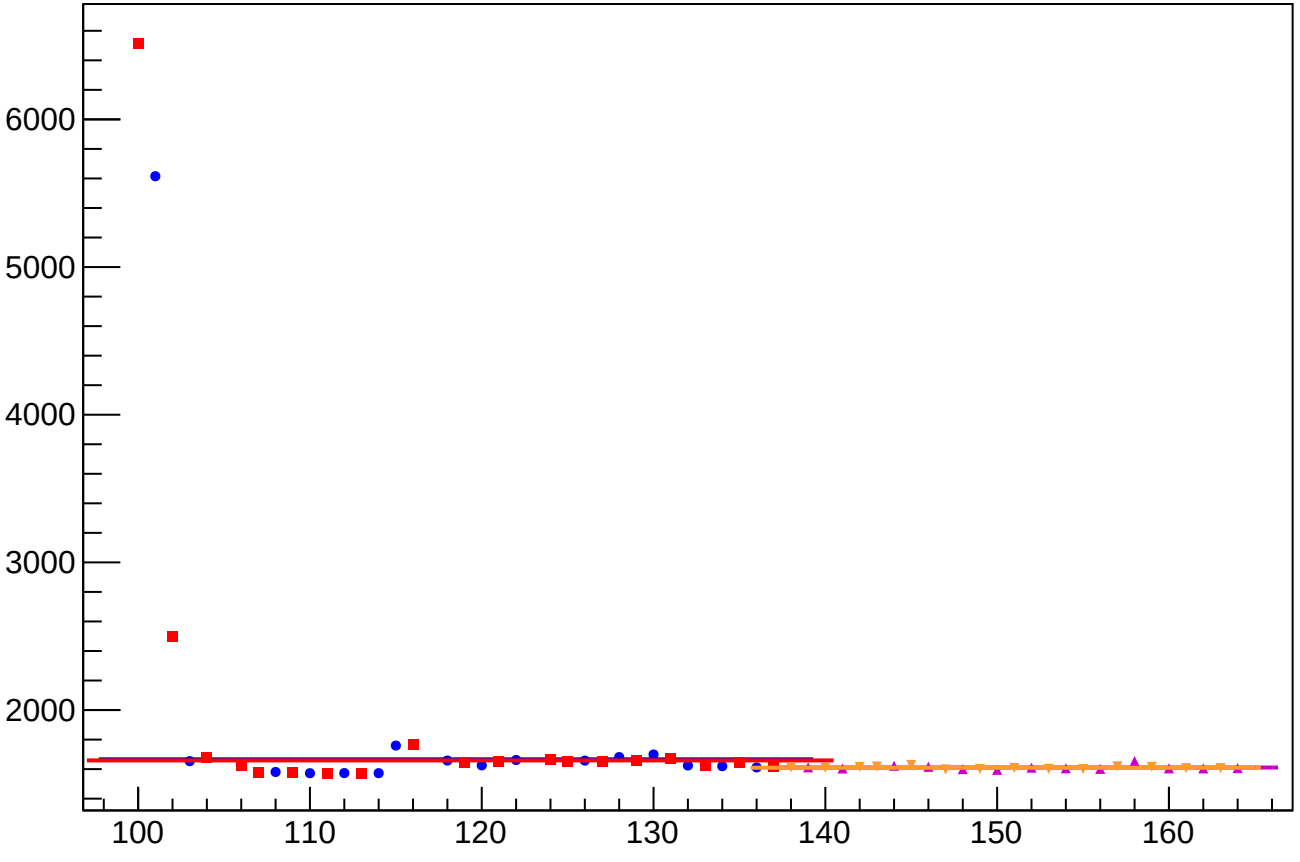
Left In: -2341.524+/-486.334 χ^2/NDF:27.0/12

+ sign 2278.726+/-382.960 χ^2/NDF: 33.1/29

All: -57.380+/-270.480 χ^2/NDF: 145.0/61

- 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: 1609.492+/-0.340 χ^2/NDF:581.6/13

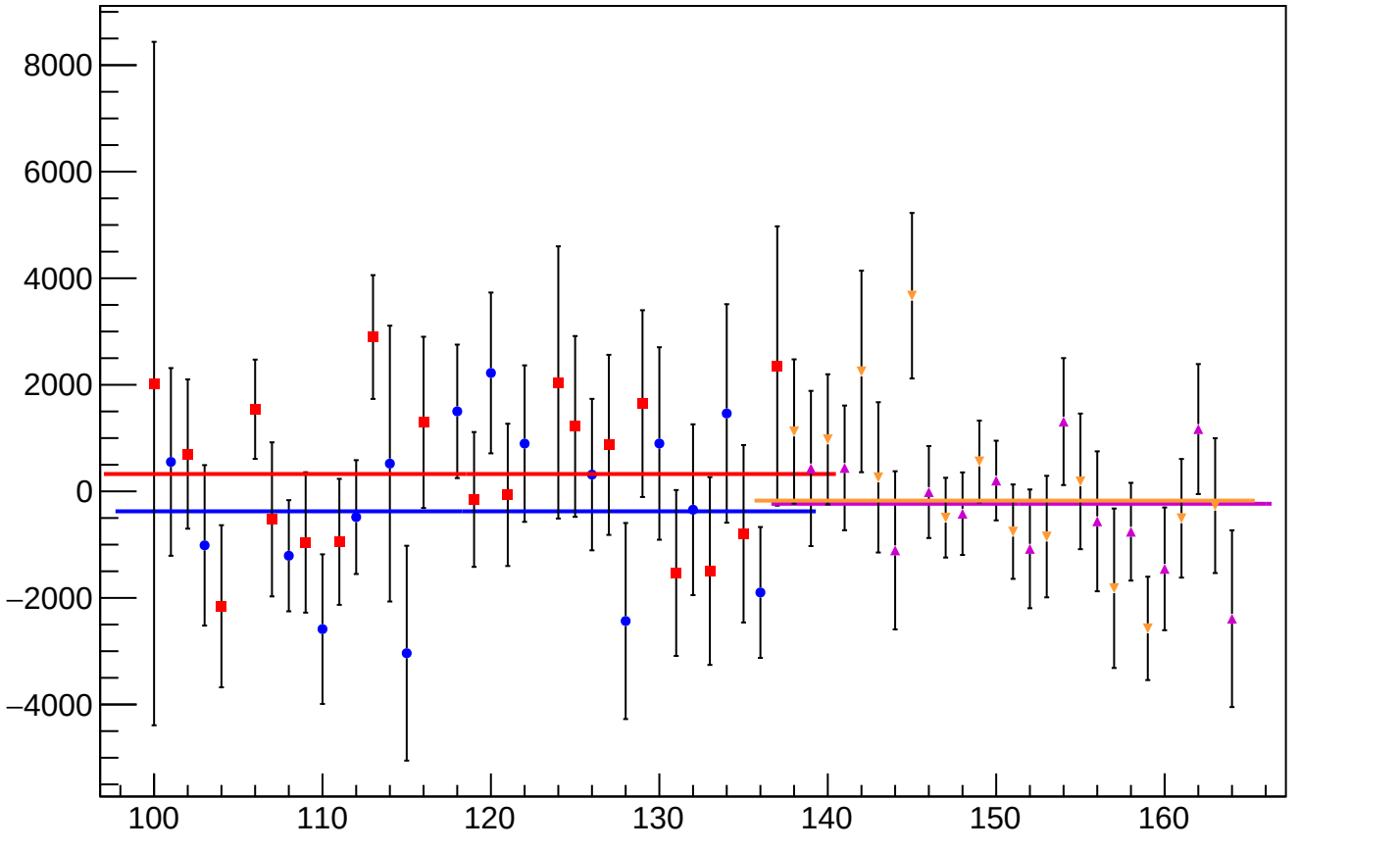
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

+ sign 1630.265+/-0.271 χ^2/NDF: 673732.2/29

All: 1629.763+/-0.191 χ^2/NDF: 876207.8/61

- 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: -173.547+/-294.918 χ^2/NDF:19.0/13

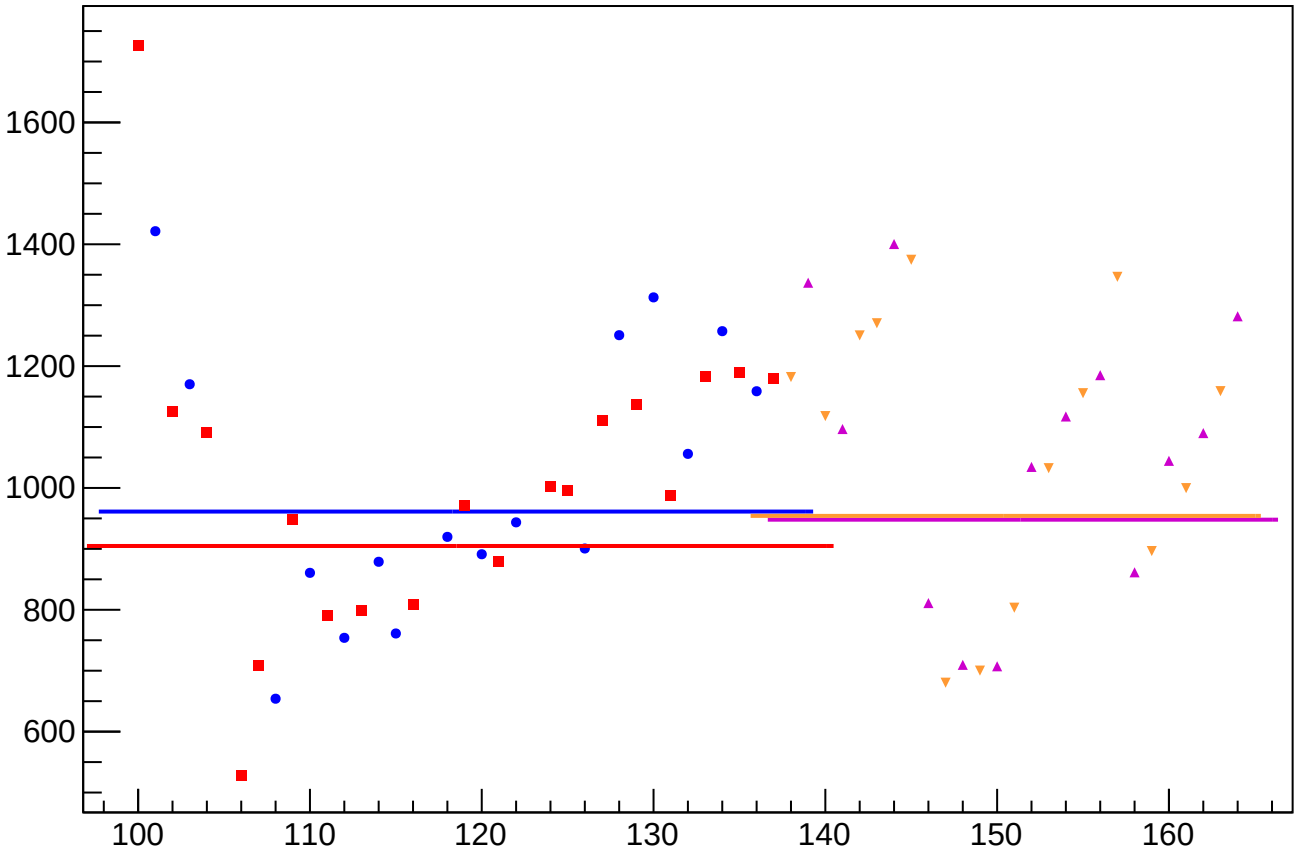
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -232.652+/-294.654 χ^2/NDF:8.1/12

+ sign -252.186+/-230.120 χ^2/NDF: 35.0/29

All: -118.781+/-160.085 χ^2/NDF: 62.7/61

- sign 6.321+/-222.844 χ^2/NDF: 27.1/31



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 954.151+/-0.209 χ^2/NDF:1193616.4/13

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

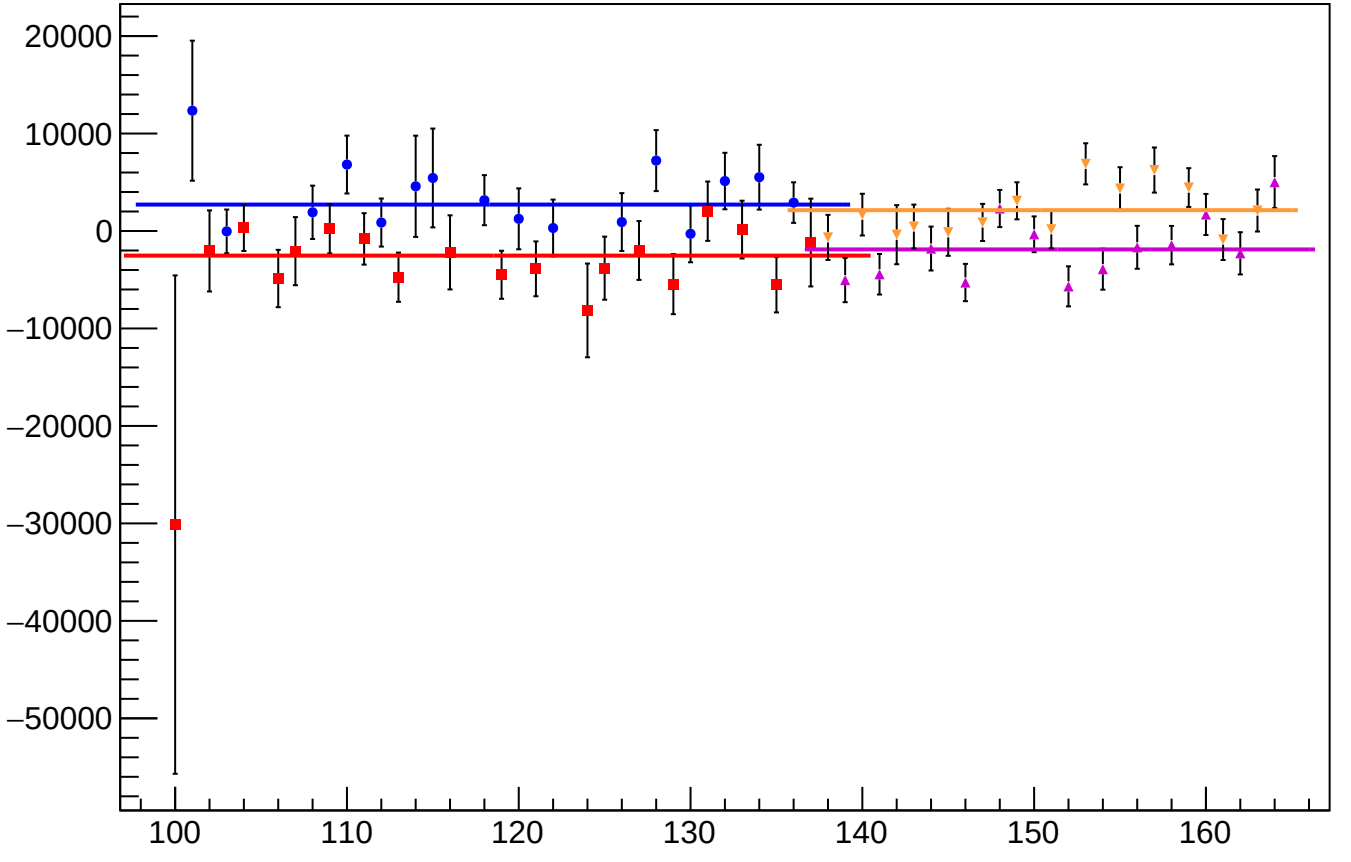
Left In: 947.916+/-0.208 χ^2/NDF:1065216.1/12

+ sign 956.923+/-0.163 χ^2/NDF: 1885951.7/29

All: 942.737+/-0.113 χ^2/NDF: 3720764.8/61

- 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: 2134.425+/-576.380 χ^2/NDF:18.0/13

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

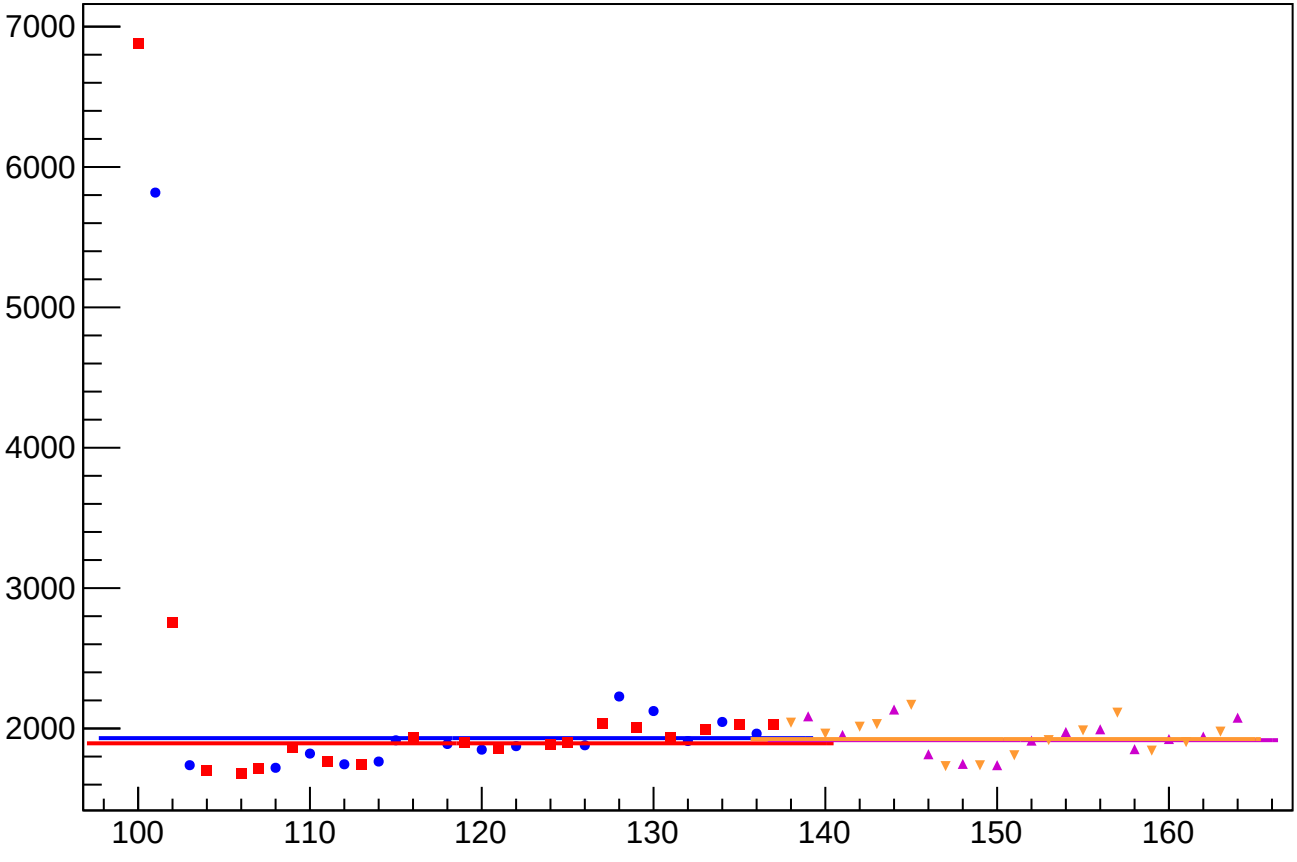
Left In: -1889.858+/-580.108 χ^2/NDF:26.1/12

+ sign 2354.095+/-453.574 χ^2/NDF: 30.5/29

All: 77.915+/-318.853 χ^2/NDF: 120.2/61

- 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: 1924.560+/-0.408 χ^2/NDF:98743.8/13

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

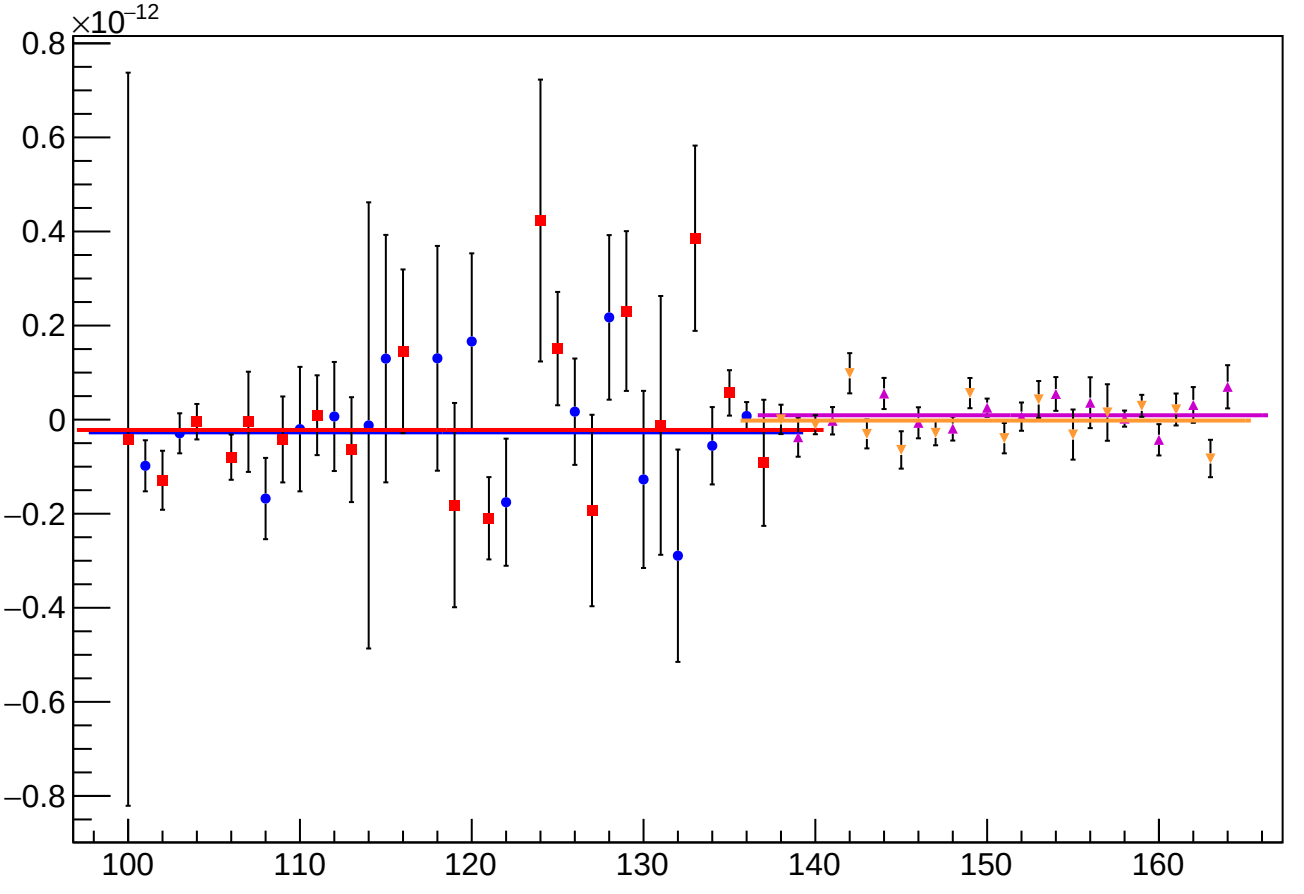
Left In: 1916.731+/-0.410 χ^2/NDF:84292.5/12

+ sign 1927.107+/-0.321 χ^2/NDF: 760073.4/29

All: 1917.299+/-0.225 χ^2/NDF: 1067954.9/61

- sign 1907.717+/-0.317 χ^2/NDF: 306032.7/31

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/13

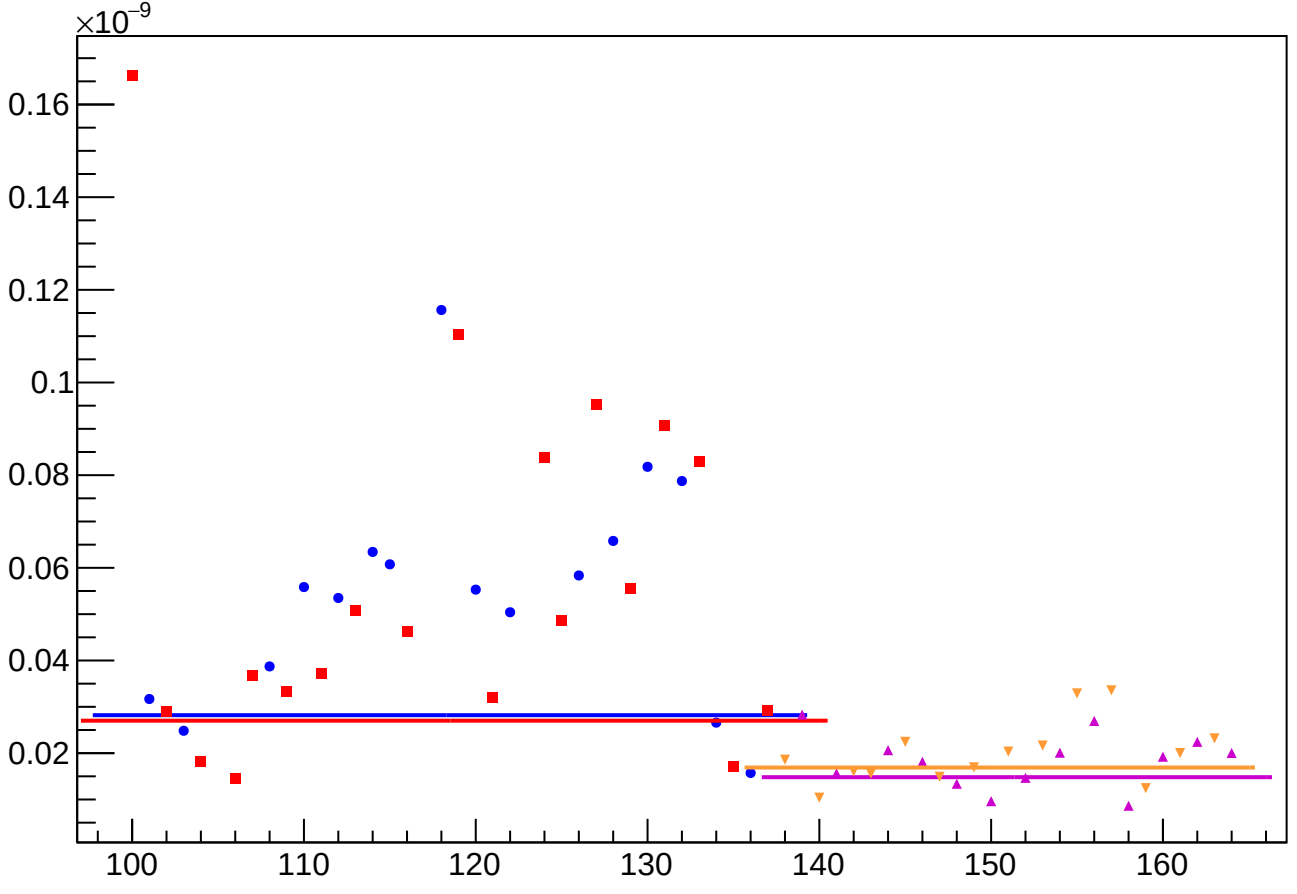
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/29

All: -0.000+/-0.000 χ^2/NDF: 77.7/61

- sign 0.000+/-0.000 χ^2/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:791251.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

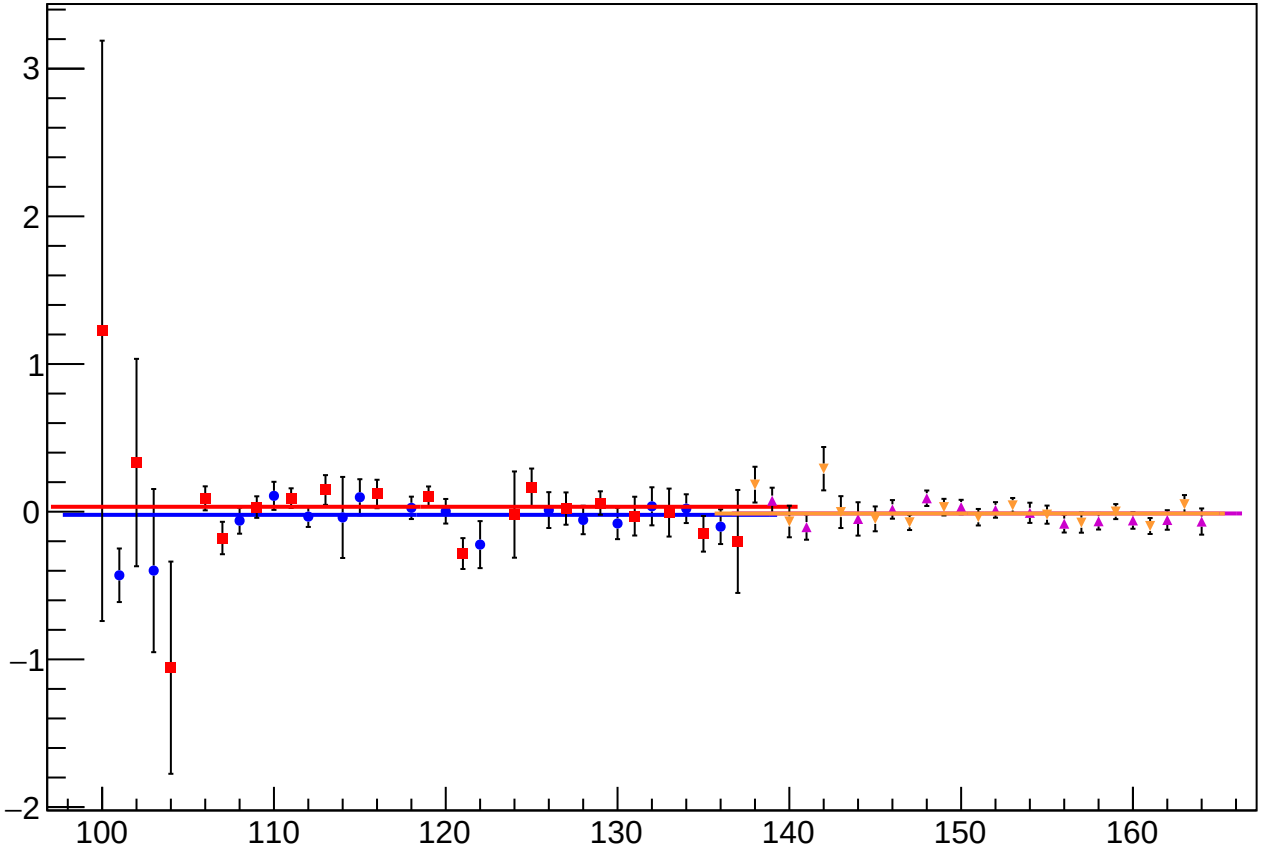
Left In: 0.000+/-0.000 χ^2/NDF:990451.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2861223.8/29

All: 0.000+/-0.000 χ^2/NDF: 6165622.3/61

- 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: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

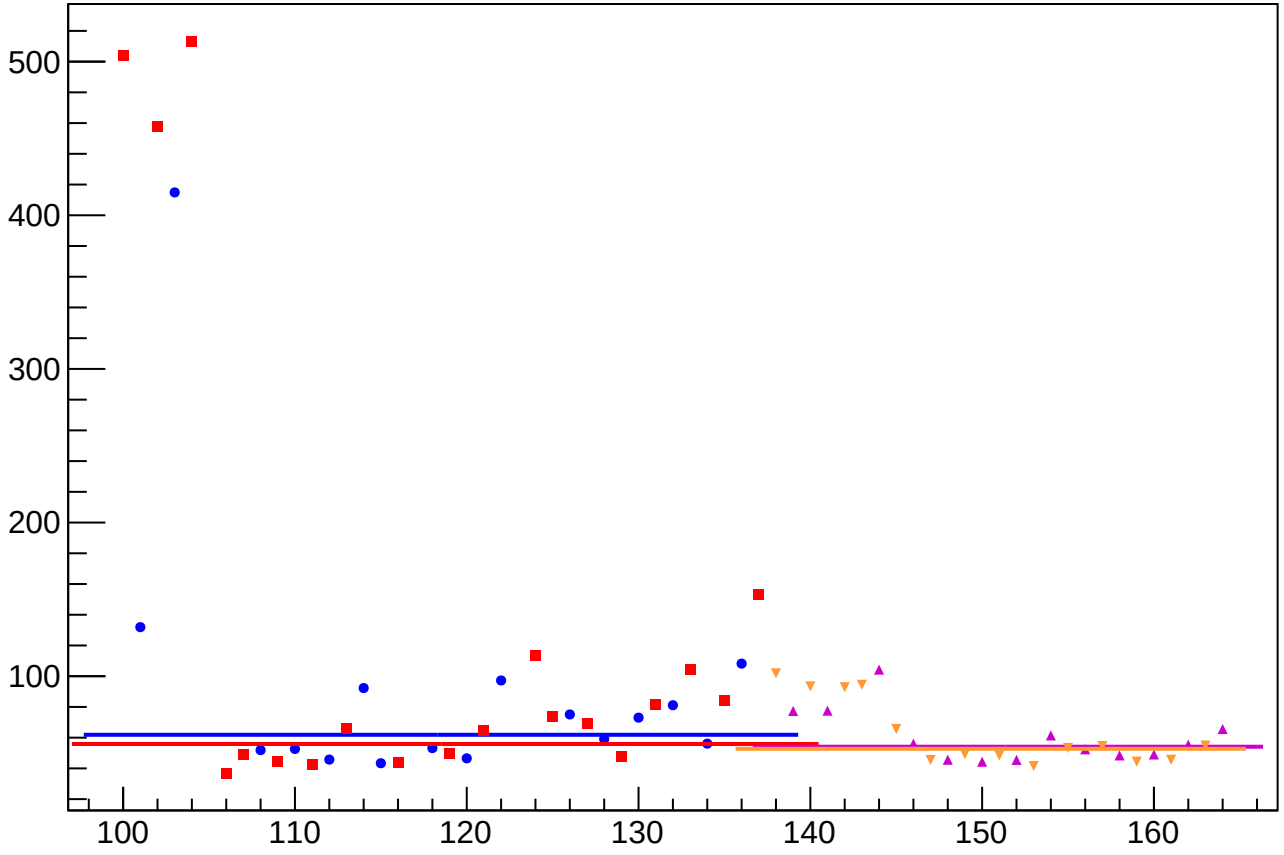
Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.006+/-0.010 χ^2/NDF: 65.5/61

- 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: 52.744+/-0.012 χ^2/NDF:1363418.0/13

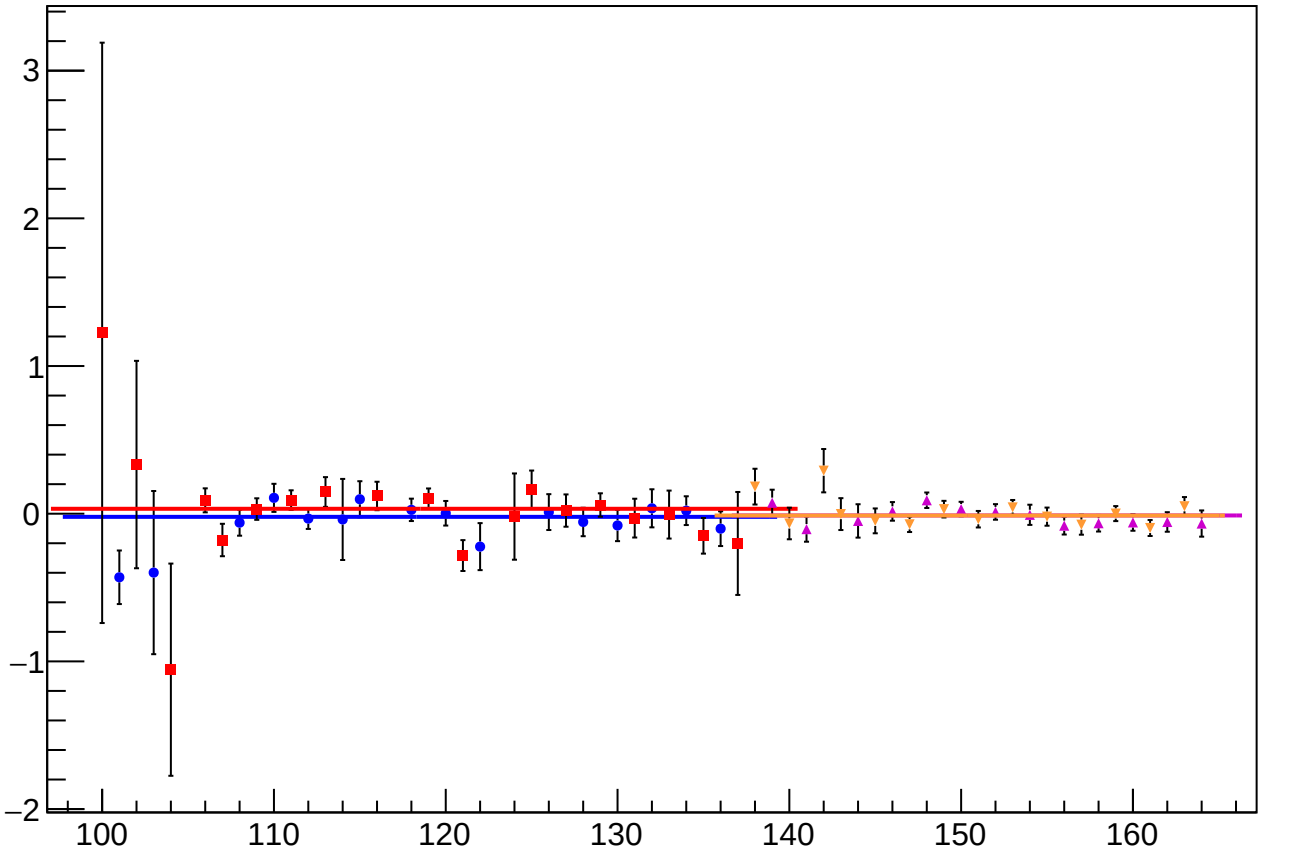
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

+ sign 55.491+/-0.010 χ^2/NDF: 3466719.1/29

All: 55.095+/-0.007 χ^2/NDF: 7034506.7/61

- 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: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

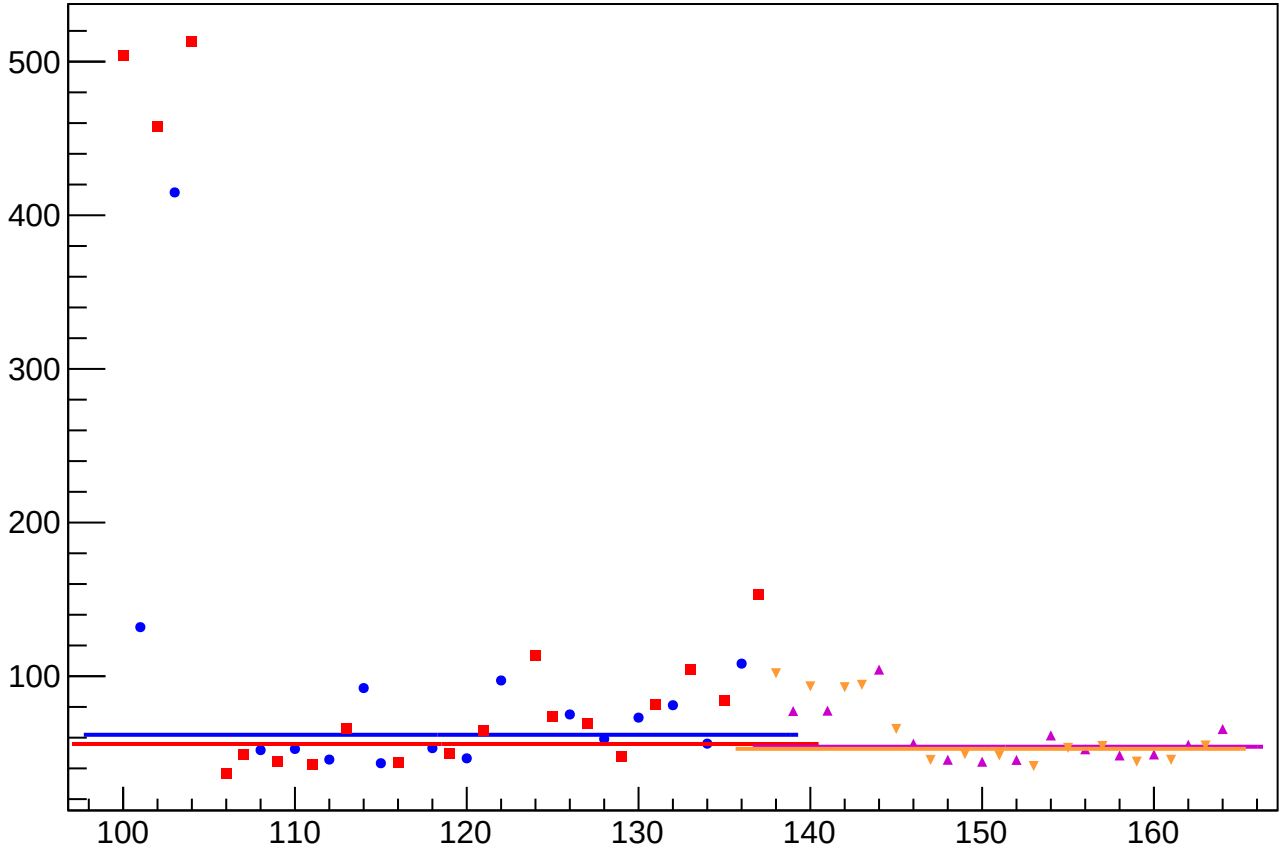
Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.006+/-0.010 χ^2/NDF: 65.5/61

- sign 0.004+/-0.014 χ^2/NDF: 37.6/31

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363418.0/13

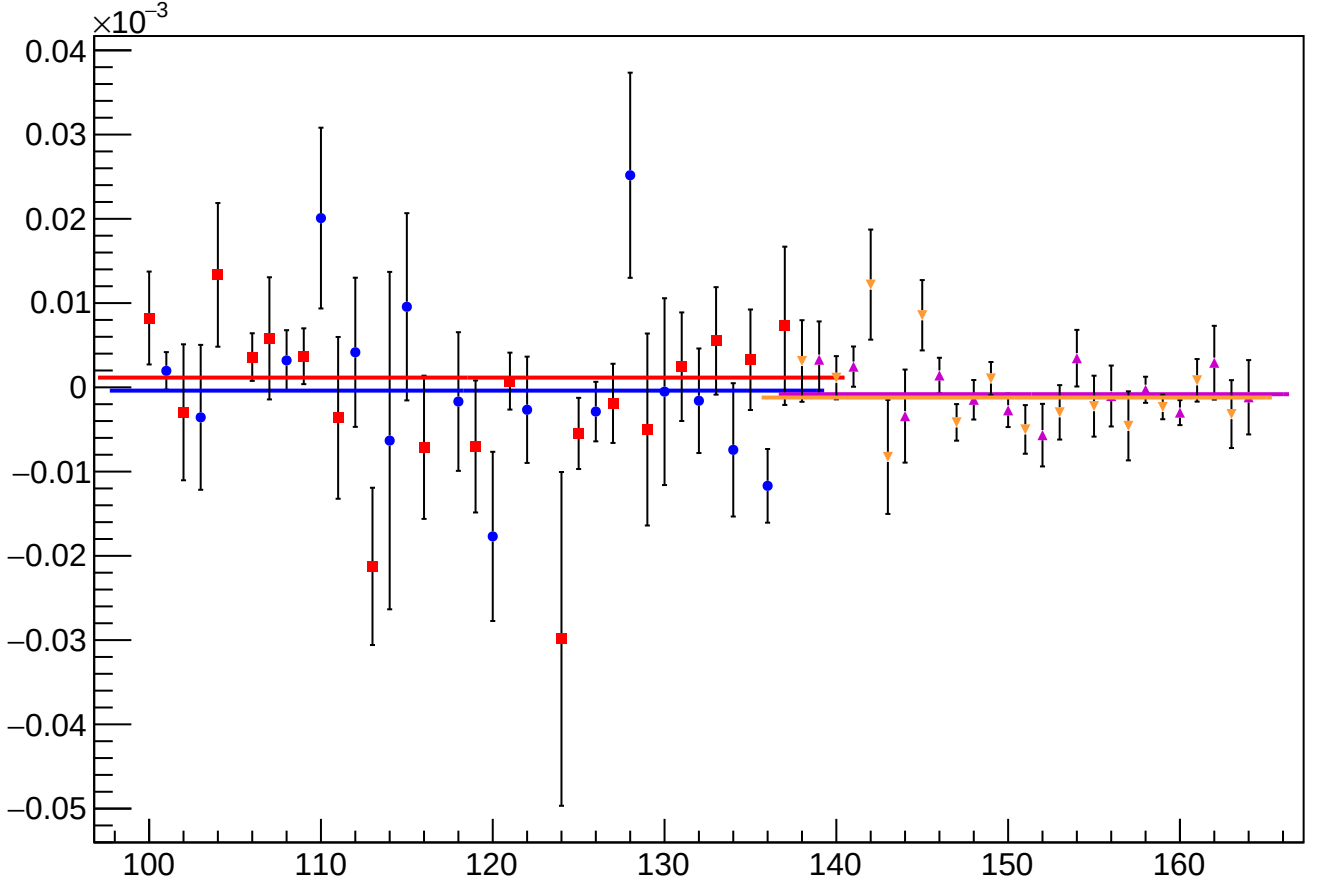
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

\+ sign 55.491+/-0.010 χ^2/NDF: 3466719.1/29

All: 55.095+/-0.007 χ^2/NDF: 7034506.7/61

\- sign 54.711+/-0.010 χ^2/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:19.8/13

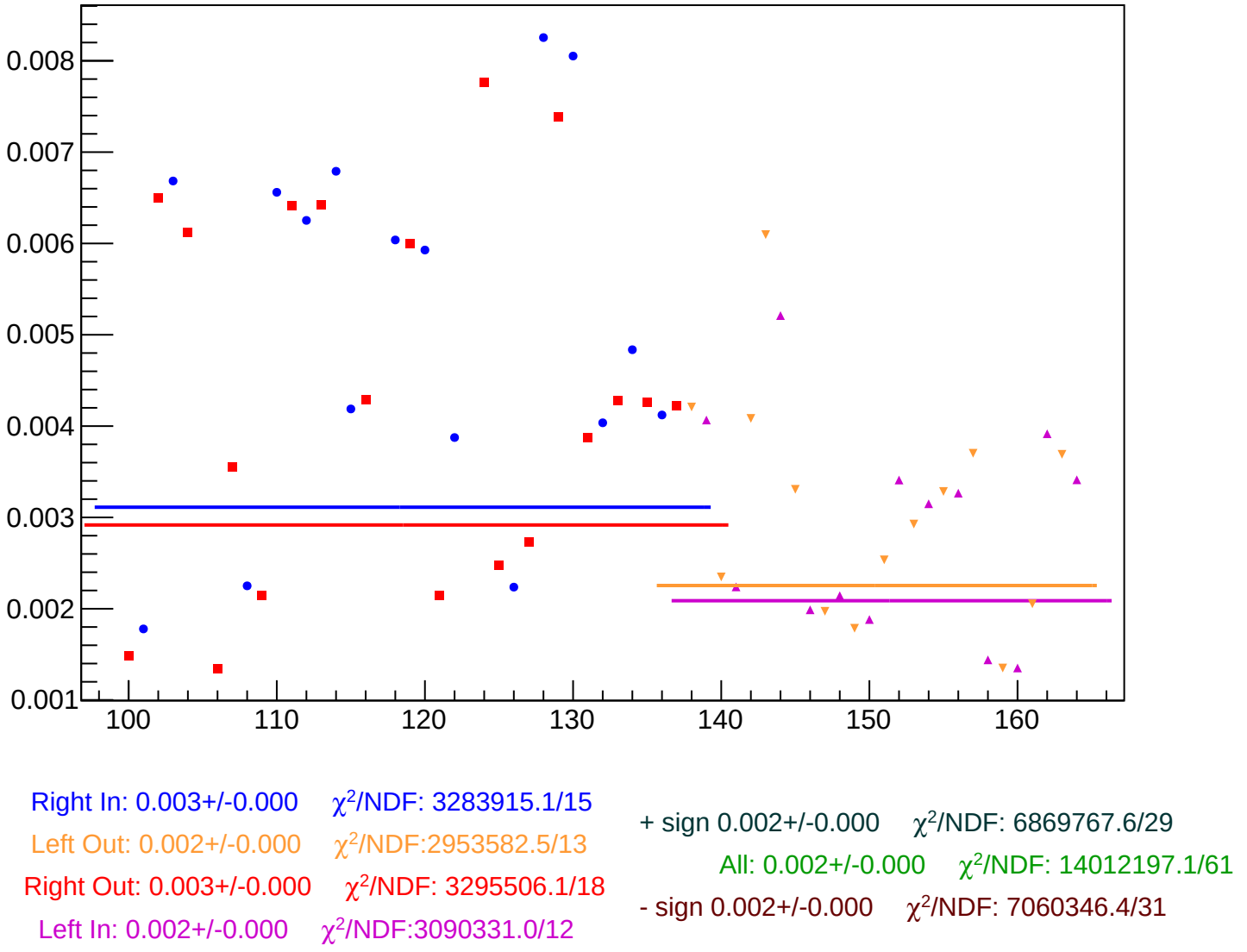
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

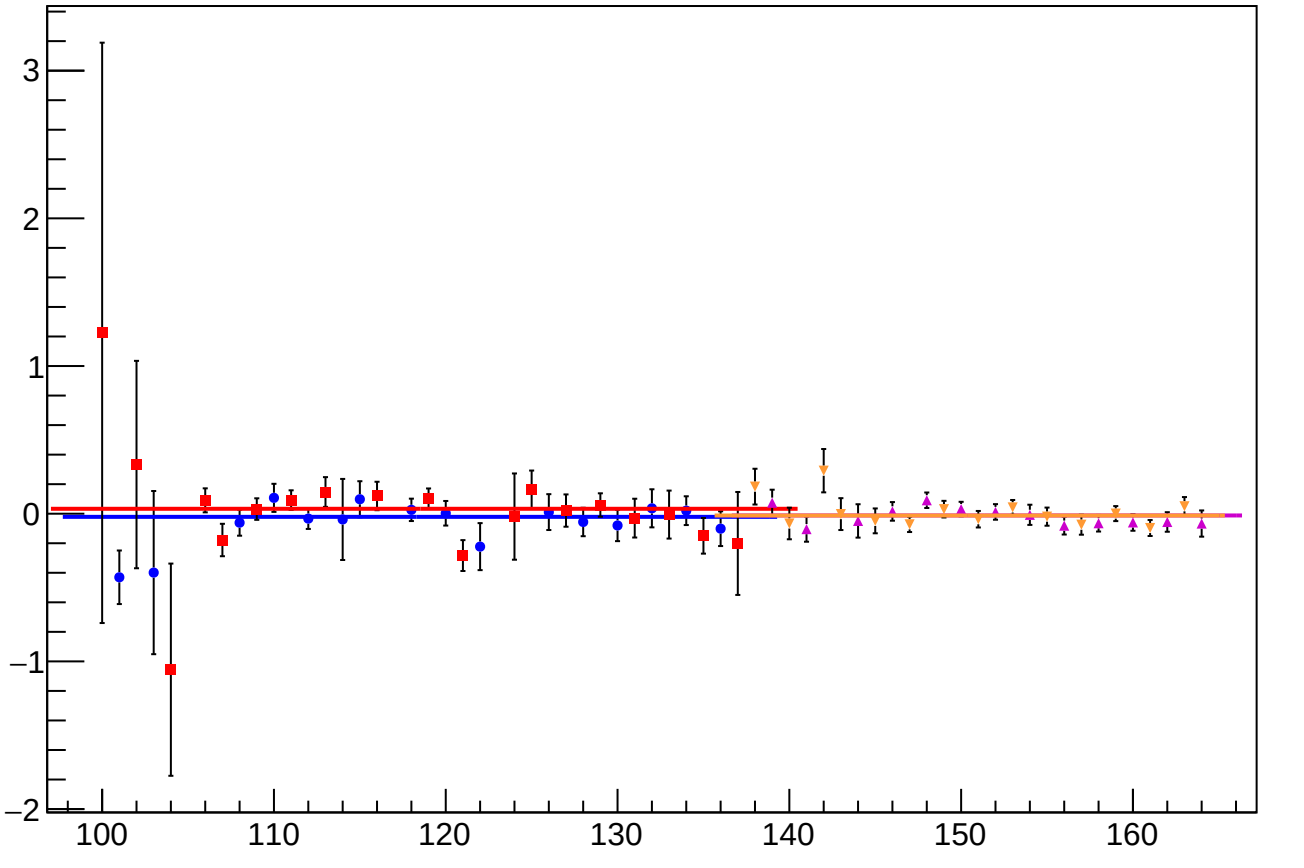
Left In: -0.000+/-0.000 χ^2/NDF:11.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/29

All: -0.000+/-0.000 χ^2/NDF: 77.0/61

- 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:2953582.5/13
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: 6869767.6/29
All: 0.002+/-0.000 χ²/NDF: 14012197.1/61
- sign 0.002+/-0.000 χ²/NDF: 7060346.4/31



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

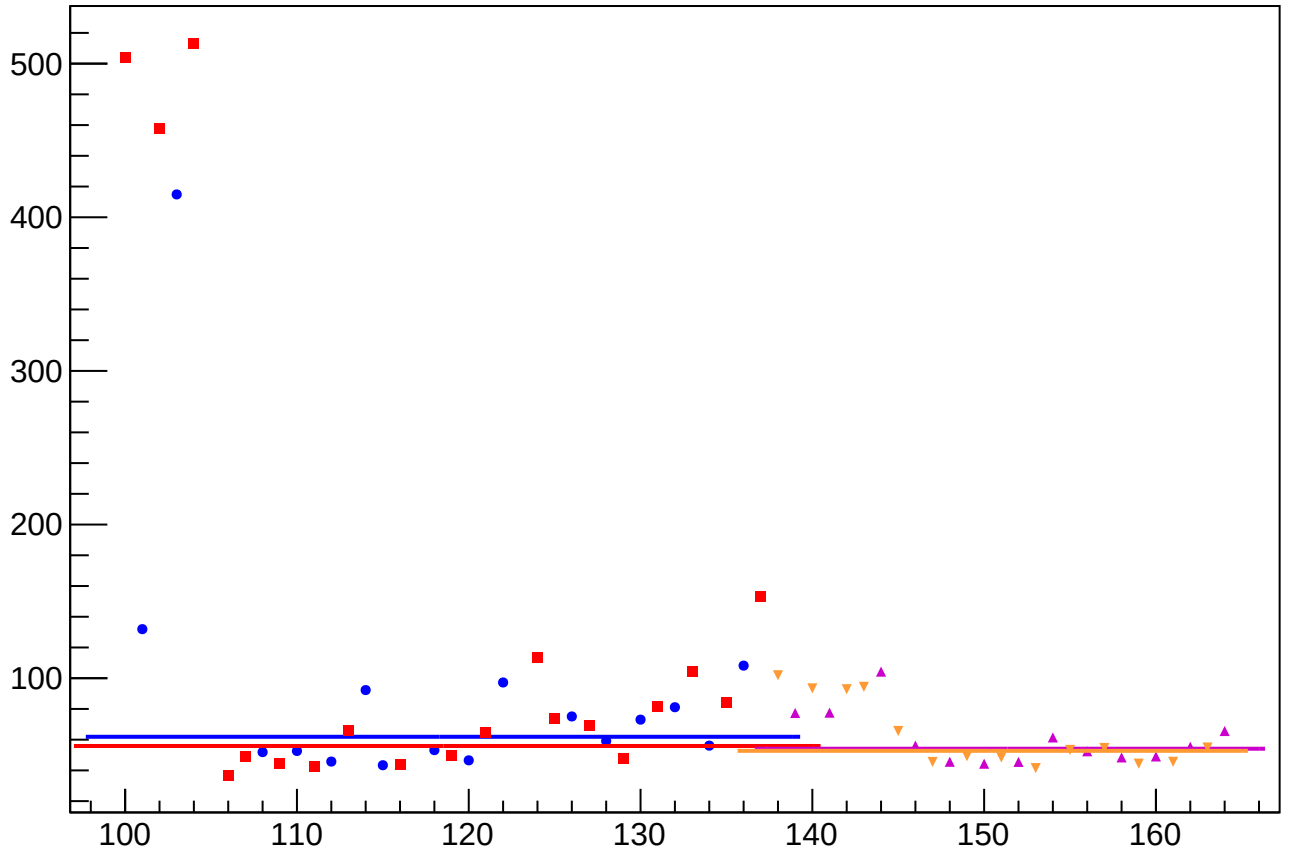
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.006+/-0.010 χ^2/NDF: 65.5/61

- 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: 52.744+/-0.012 χ^2/NDF:1363450.9/13

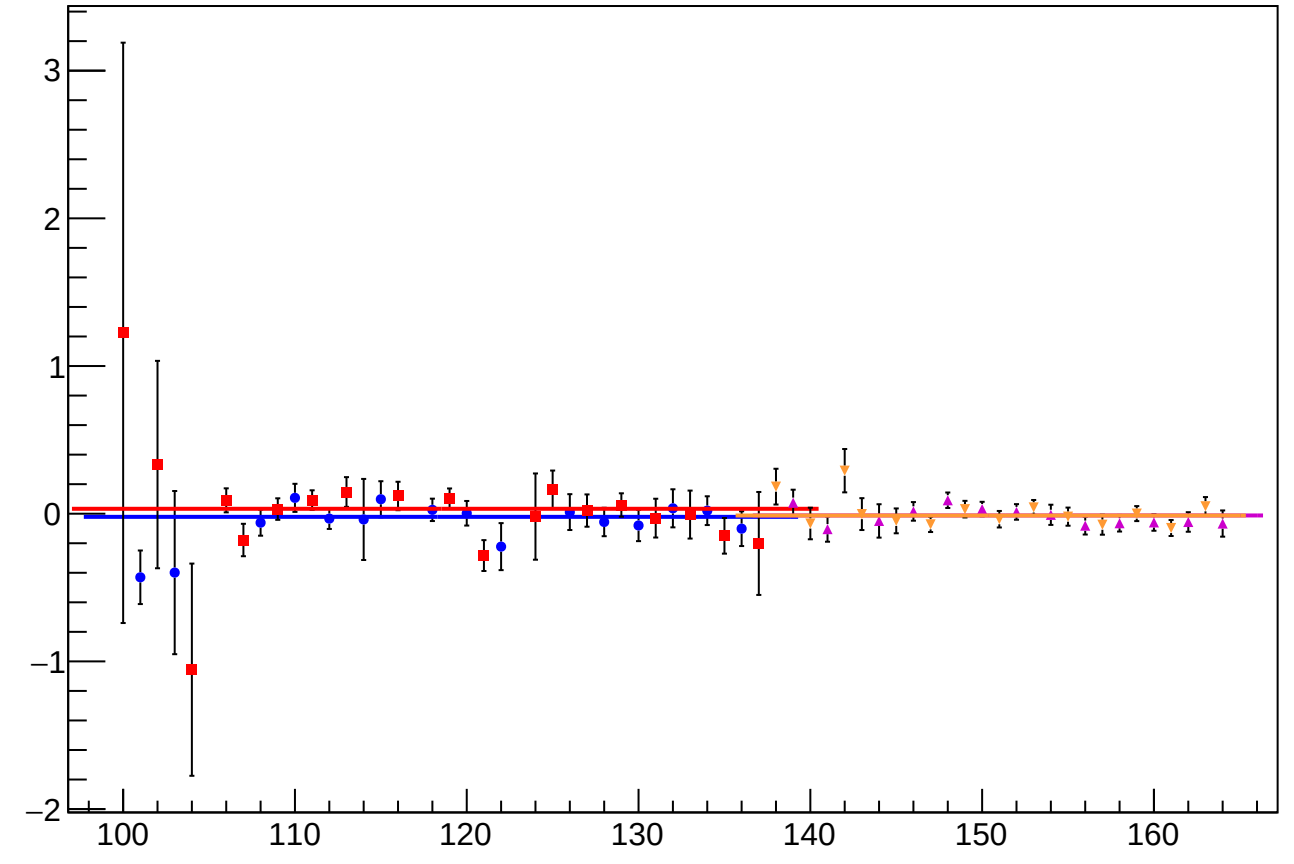
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

+ sign 55.491+/-0.010 χ^2/NDF: 3466685.9/29

All: 55.095+/-0.007 χ^2/NDF: 7034406.2/61

- sign 54.711+/-0.010 χ^2/NDF: 3564804.2/31



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

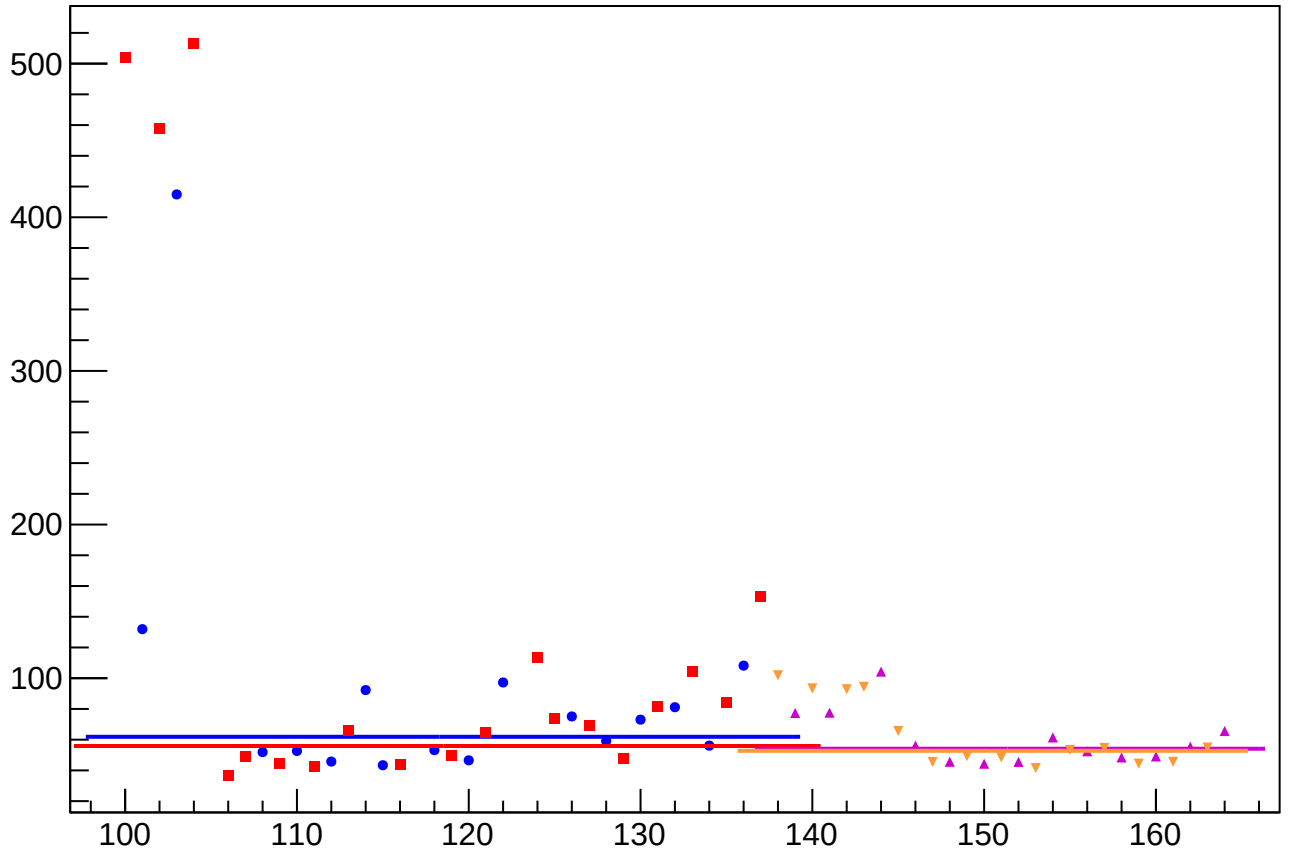
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.006+/-0.010 χ^2/NDF: 65.5/61

- 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: 52.744+/-0.012 χ^2/NDF:1363450.9/13

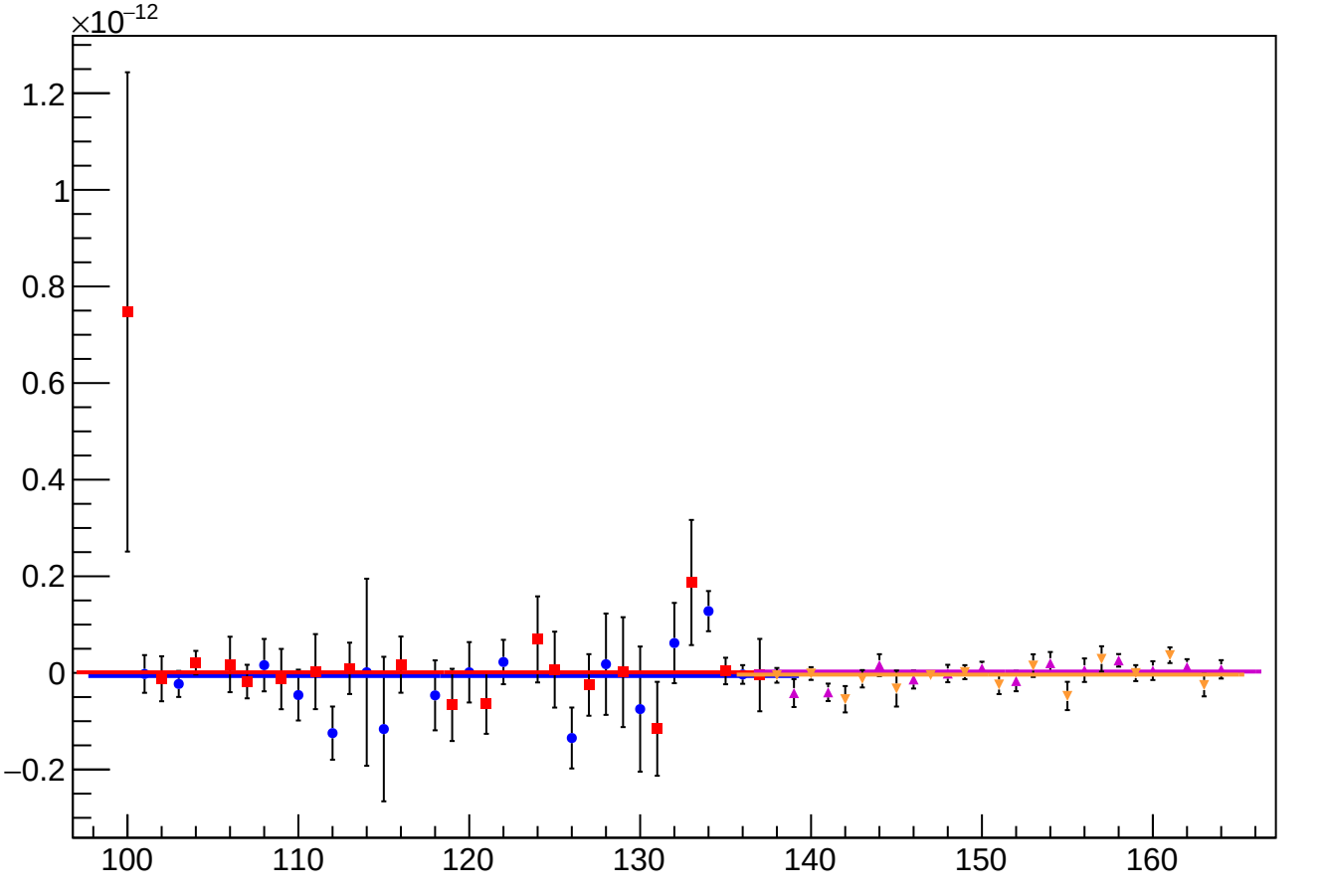
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

+ sign 55.491+/-0.010 χ^2/NDF: 3466685.9/29

All: 55.095+/-0.007 χ^2/NDF: 7034406.2/61

- 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:17.0/13

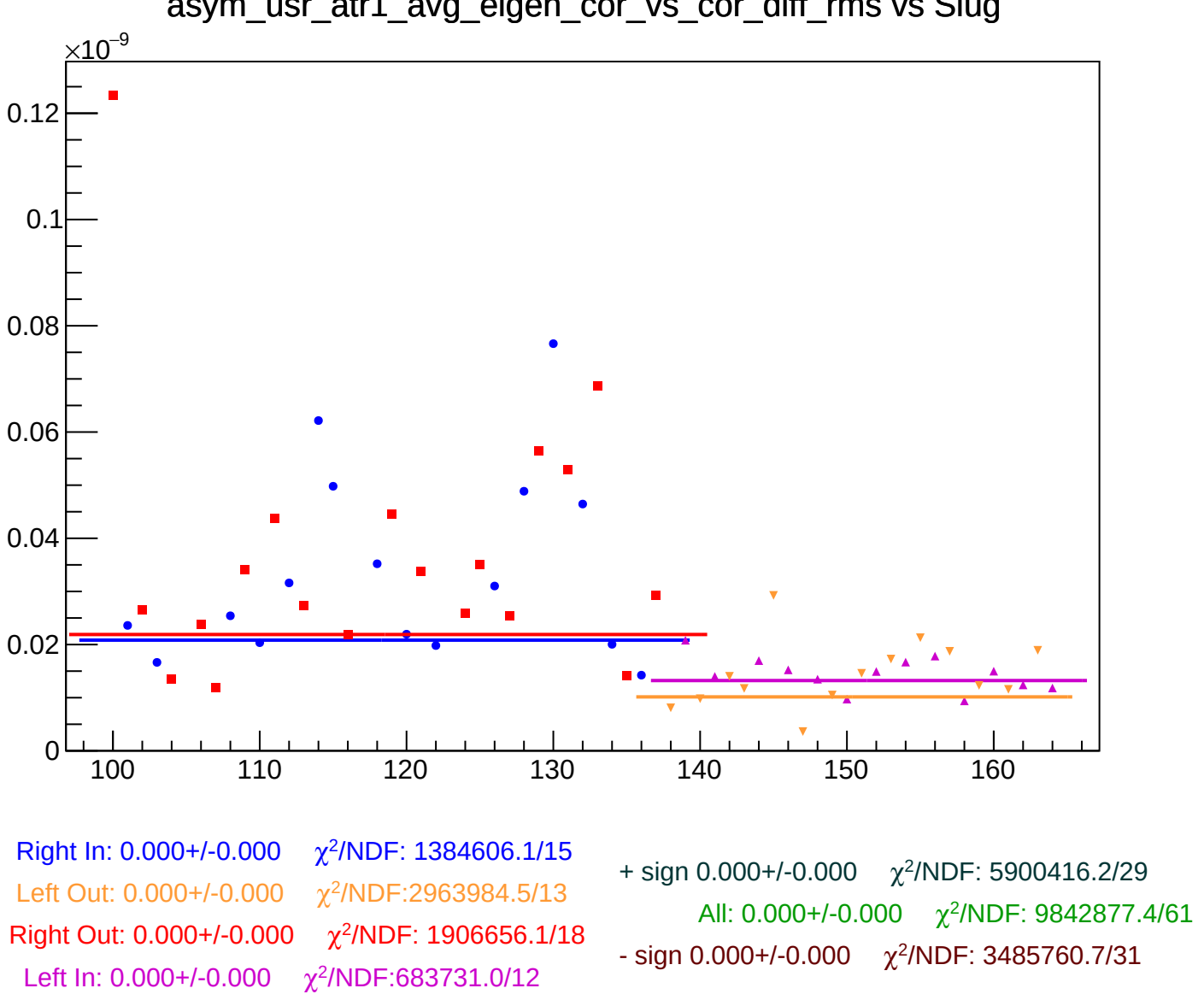
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/12

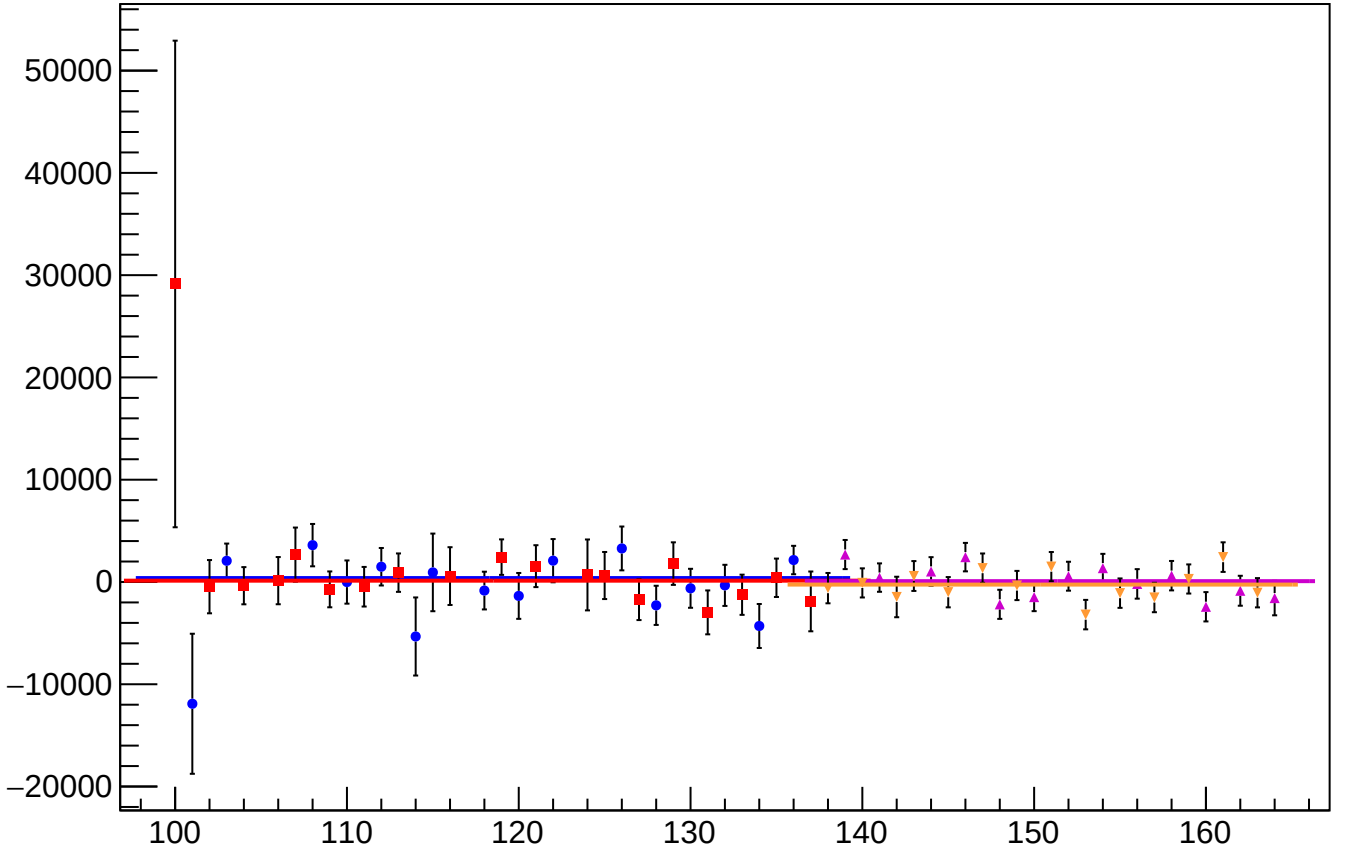
+ sign -0.000+/-0.000 χ^2/NDF: 39.7/29

All: -0.000+/-0.000 χ^2/NDF: 64.9/61

- sign 0.000+/-0.000 χ^2/NDF: 24.2/31


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2963984.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:683731.0/12
+ sign 0.000+/-0.000 χ²/NDF: 5900416.2/29
All: 0.000+/-0.000 χ²/NDF: 9842877.4/61
- sign 0.000+/-0.000 χ²/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: -254.774+/-392.124 χ^2/NDF:13.0/13

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

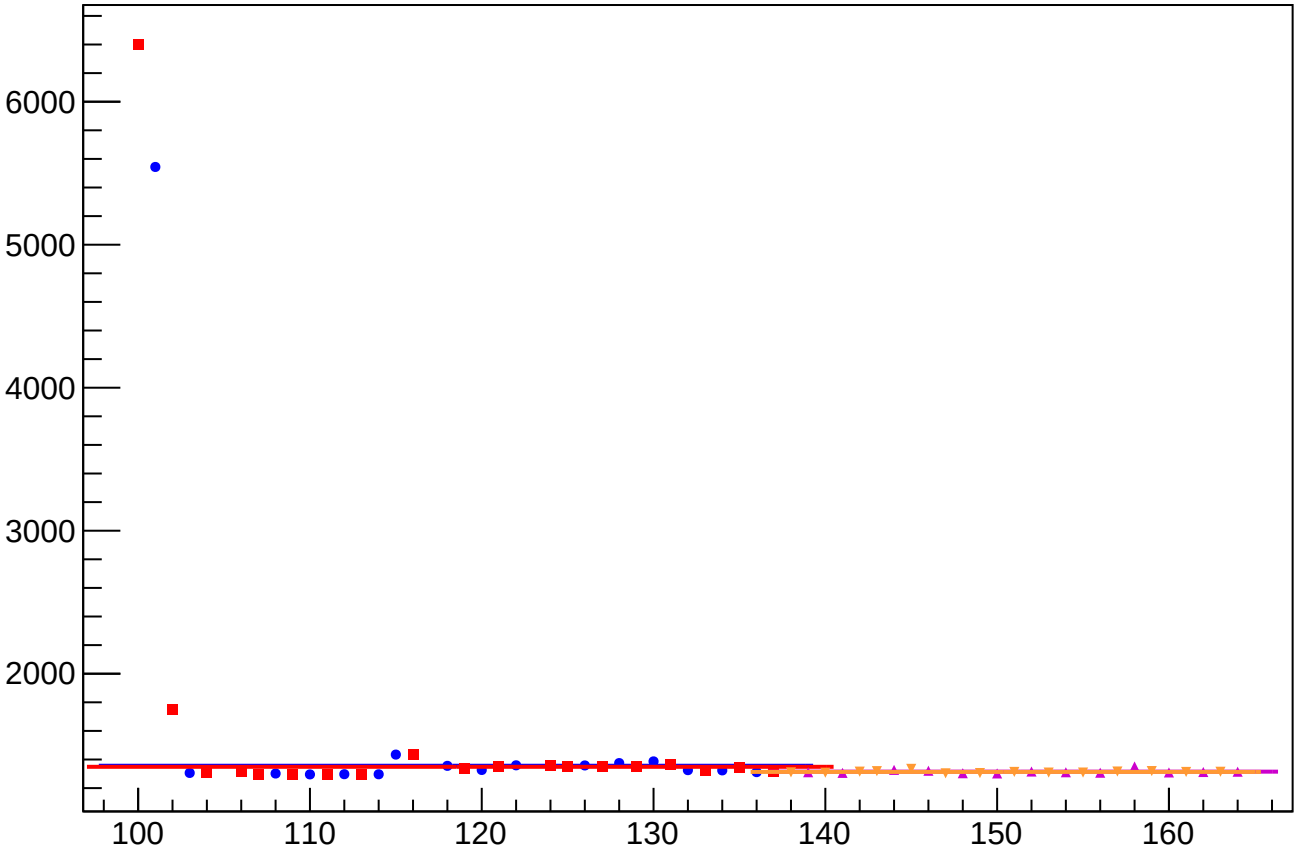
Left In: 80.863+/-397.045 χ^2/NDF:16.1/12

+ sign -22.902+/-312.600 χ^2/NDF: 35.5/29

All: 38.338+/-220.535 χ^2/NDF: 61.6/61

- 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: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

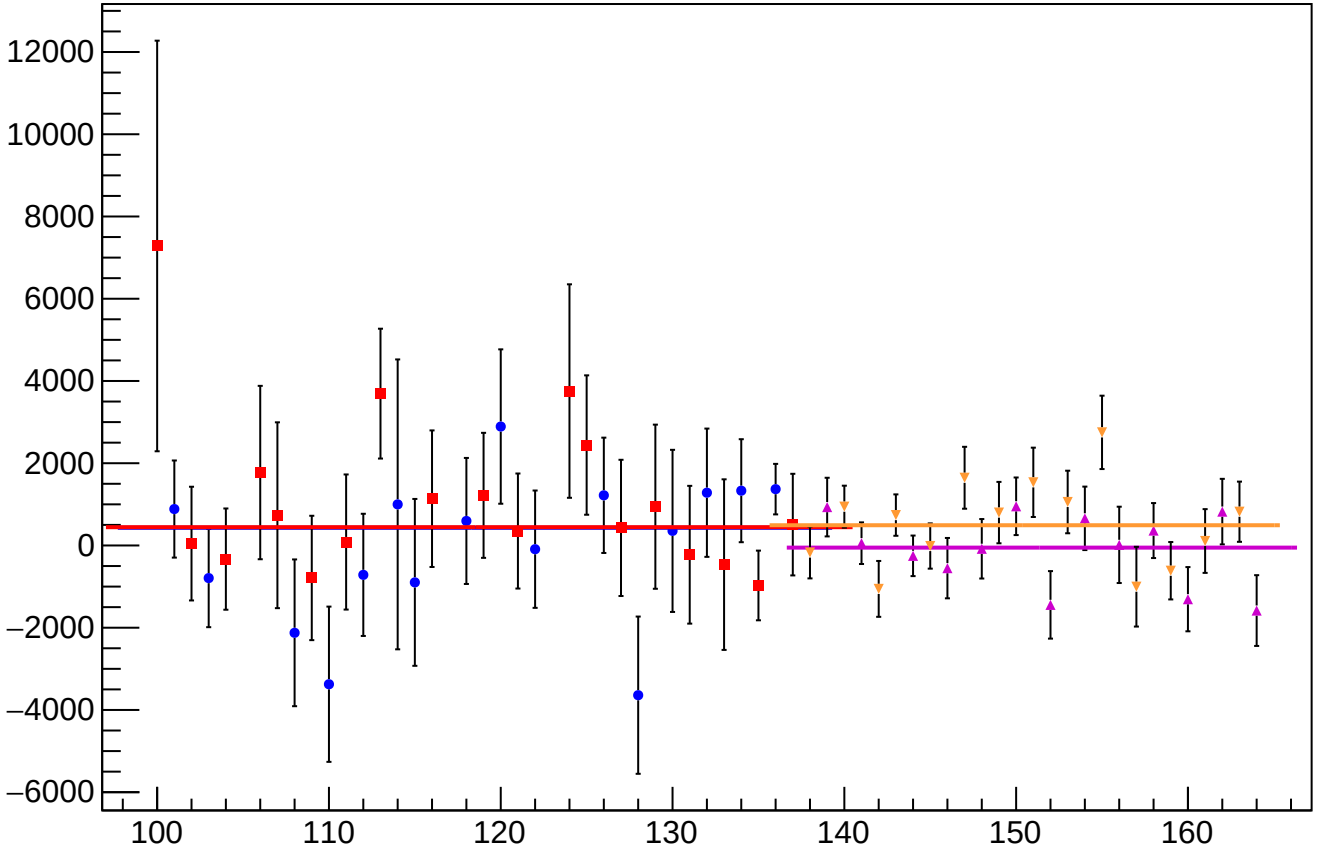
Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.9/29

All: 1328.563+/-0.156 χ^2/NDF: 924662.0/61

- 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: 492.035+/-181.440 χ^2/NDF:24.5/13

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

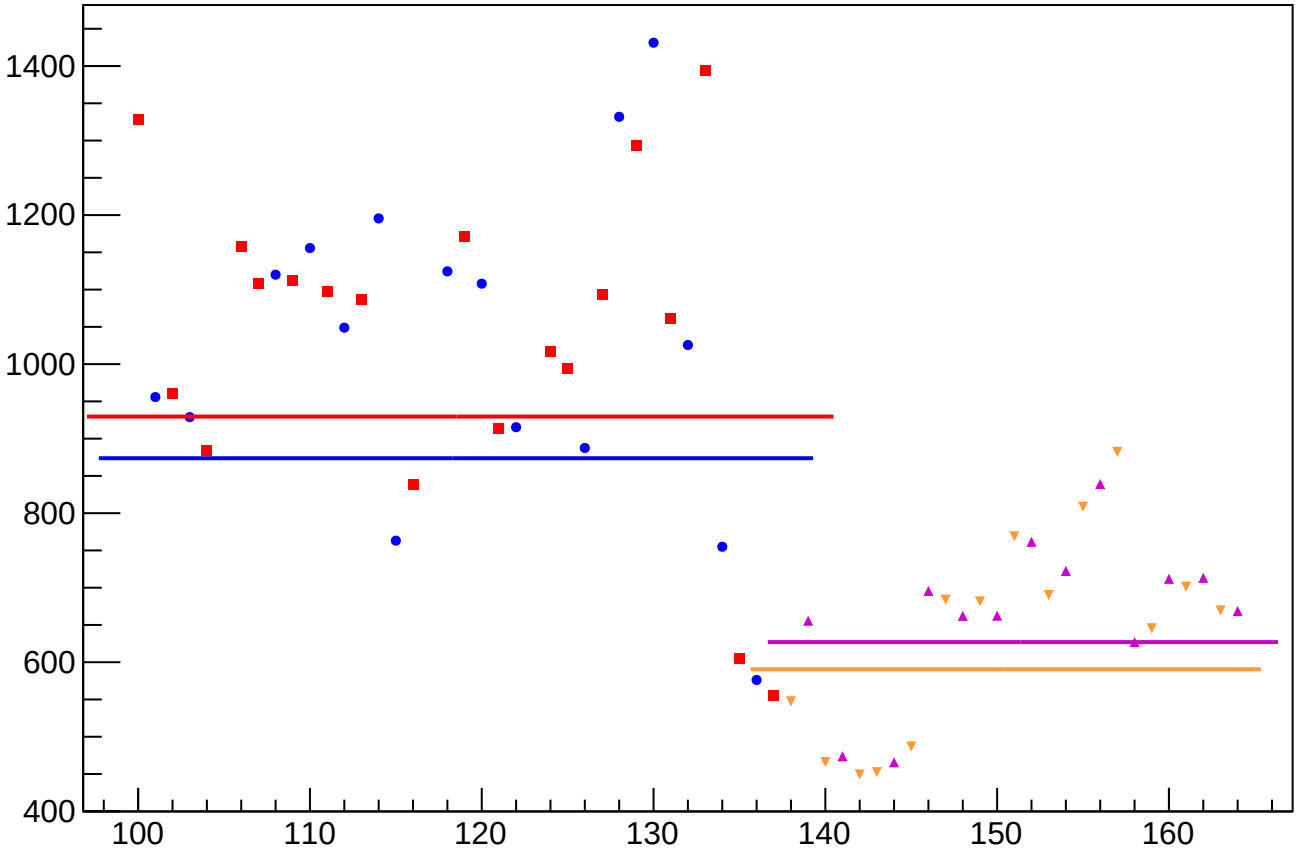
Left In: -52.426+/-192.749 χ^2/NDF:15.7/12

+ sign 478.268+/-159.911 χ^2/NDF: 42.8/29

All: 281.449+/-116.302 χ^2/NDF: 77.6/61

- 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: 590.551+/-0.128 χ^2/NDF:997800.8/13

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

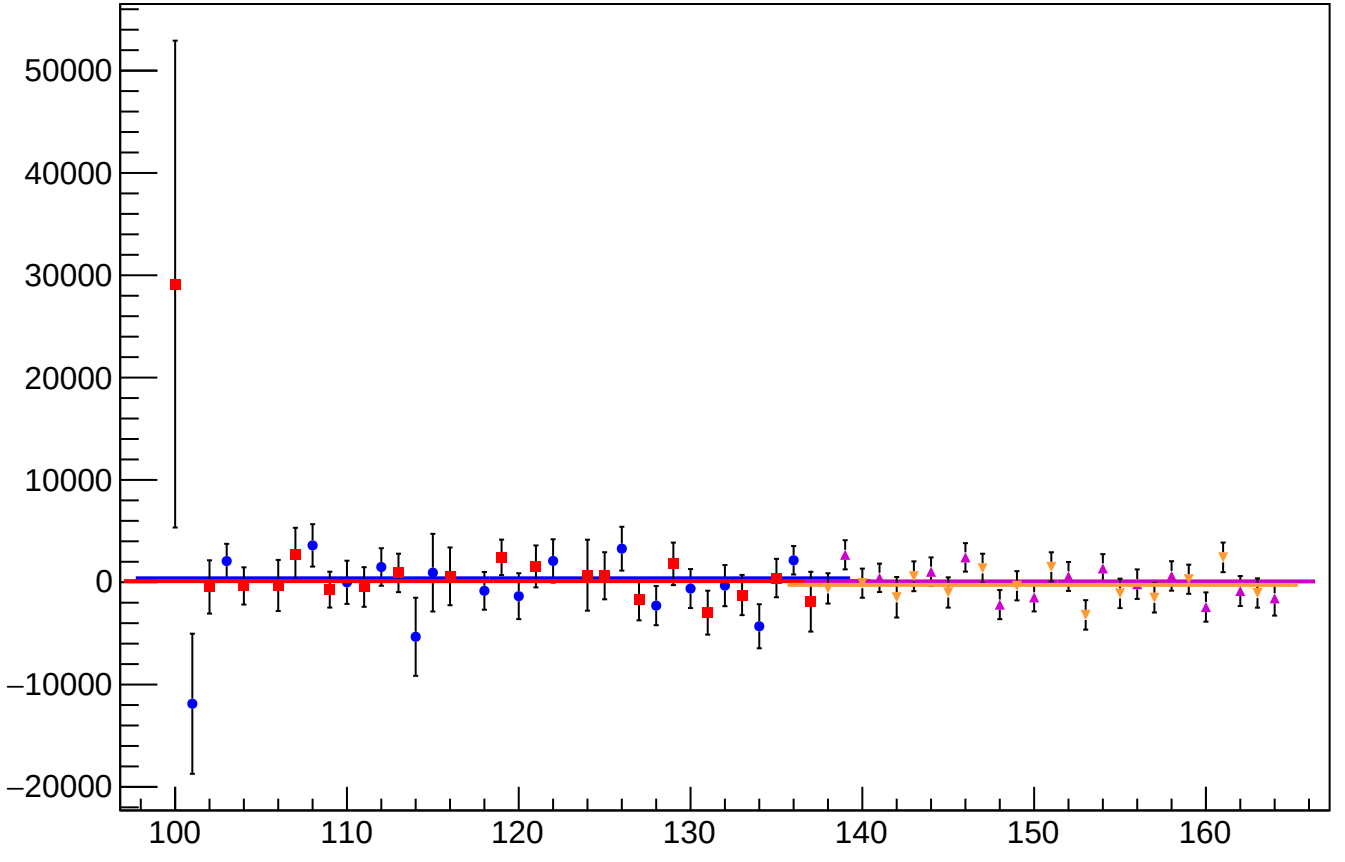
Left In: 627.013+/-0.136 χ^2/NDF:668362.8/12

\+ sign 653.765+/-0.113 χ^2/NDF: 3100193.4/29

All: 673.535+/-0.082 χ^2/NDF: 5812970.7/61

\- 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: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

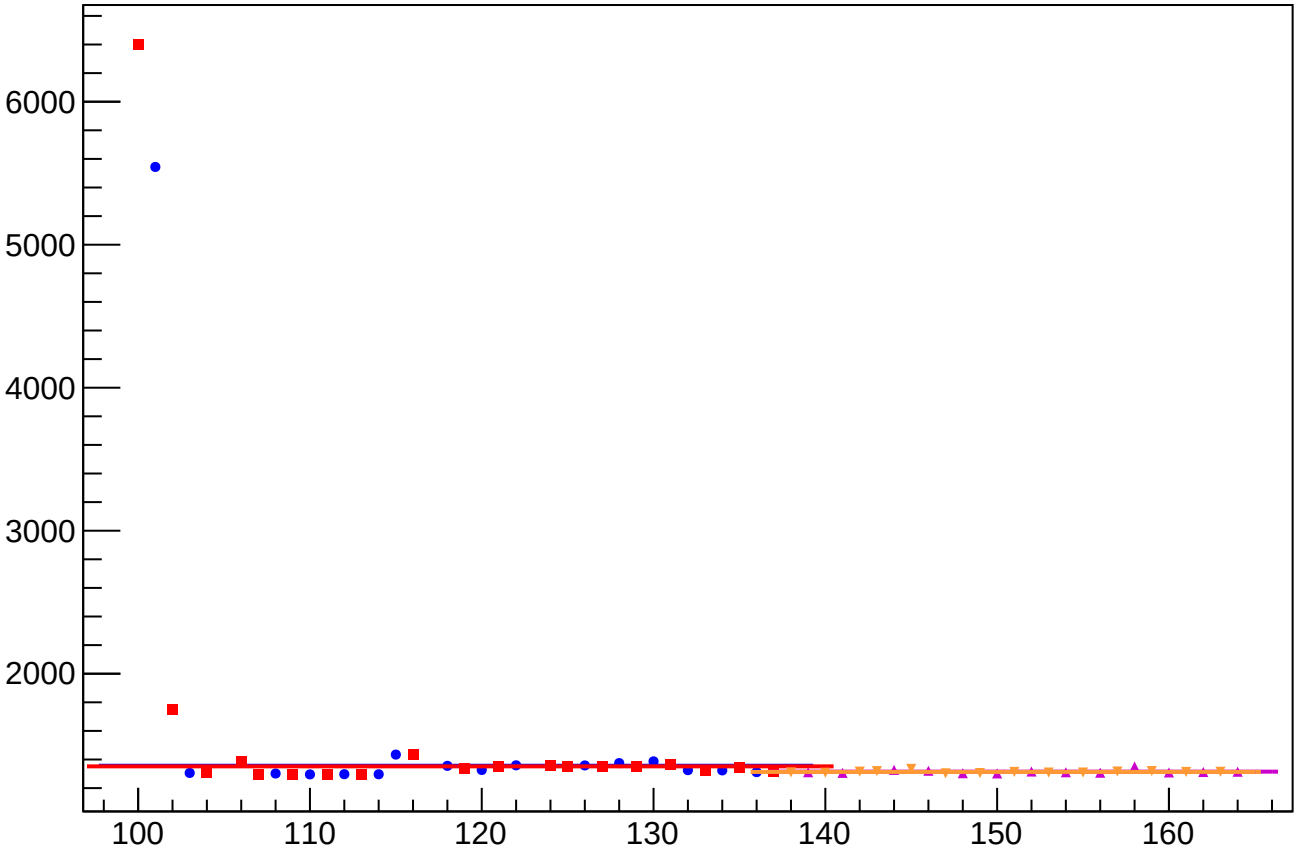
Left In: 80.885+/-397.045 χ^2/NDF:16.1/12

+ sign -22.836+/-312.600 χ^2/NDF: 35.4/29

All: 34.859+/-220.680 χ^2/NDF: 61.6/61

- 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: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

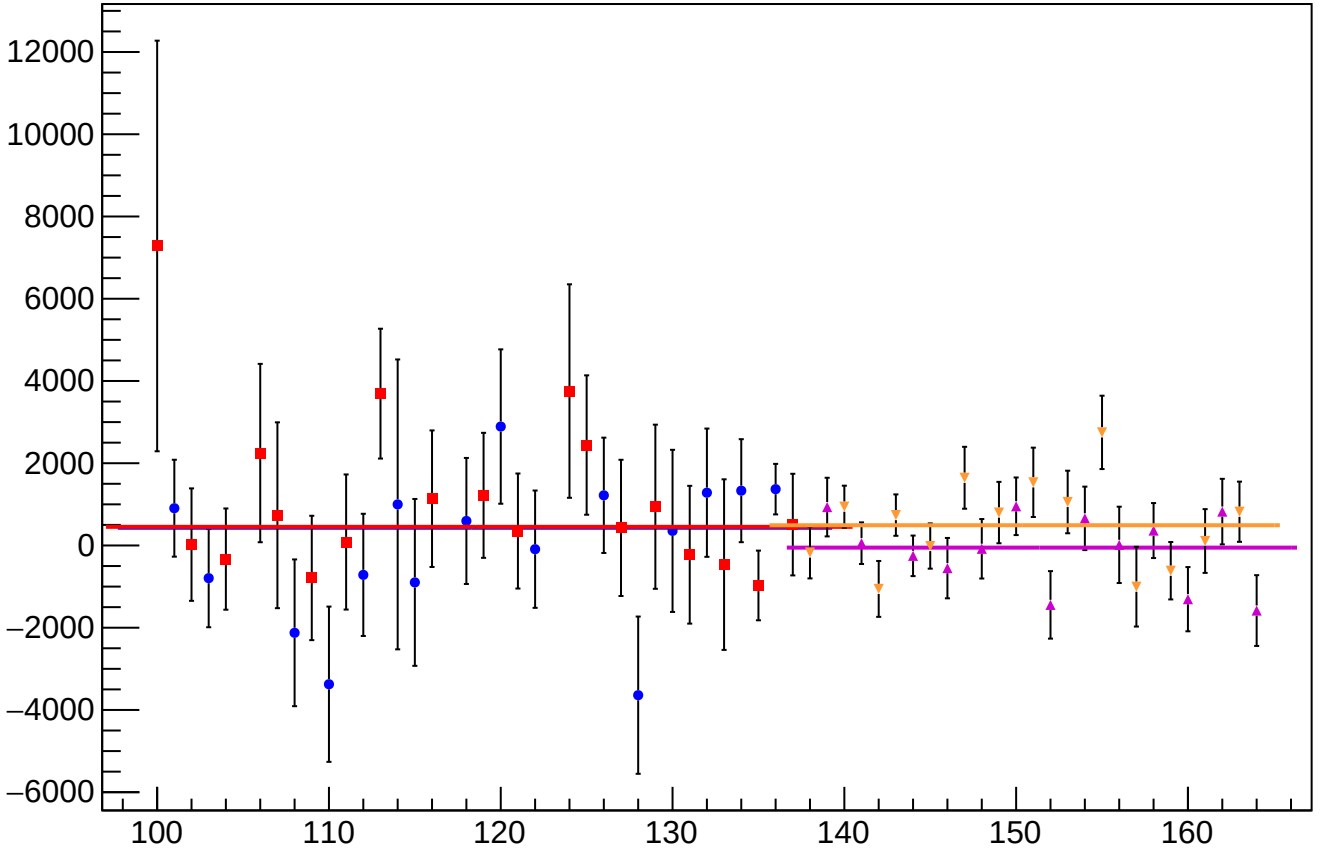
Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.0/29

All: 1329.135+/-0.156 χ^2/NDF: 925766.9/61

- 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: 491.959+/-181.440 χ^2/NDF:24.5/13

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

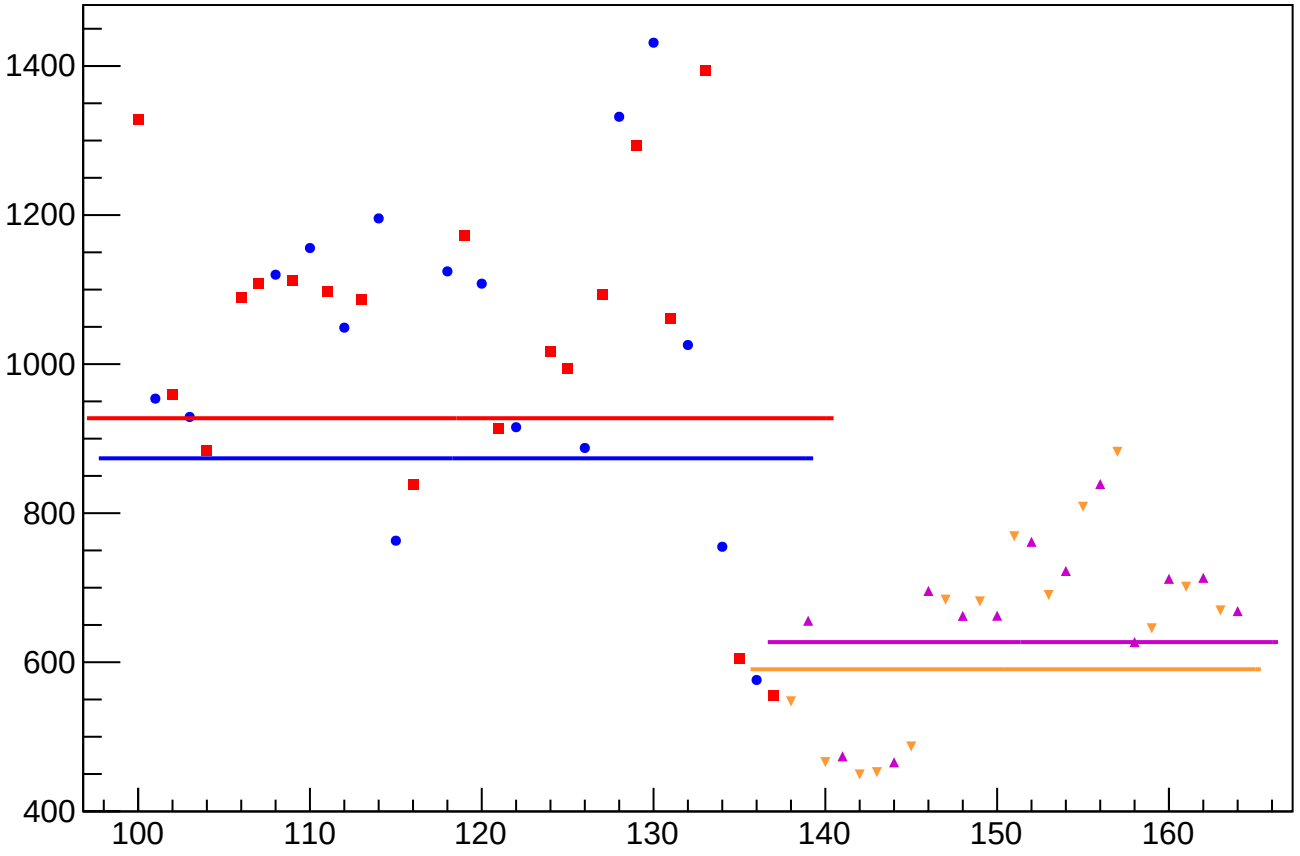
Left In: -52.444+/-192.748 χ^2/NDF:15.7/12

+ sign 478.601+/-159.905 χ^2/NDF: 42.8/29

All: 282.531+/-116.300 χ^2/NDF: 77.9/61

- 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: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

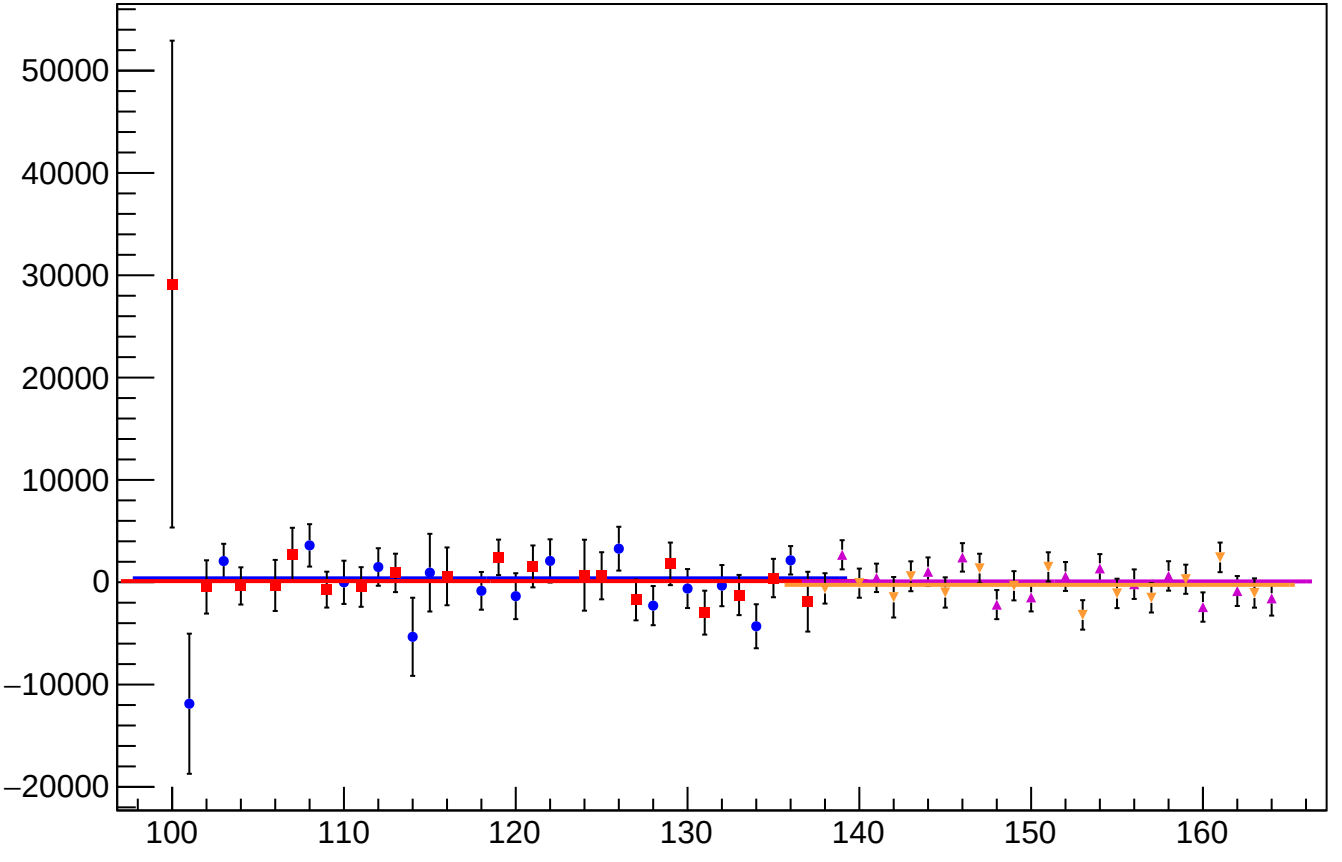
Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

\+ sign 653.754+/-0.113 χ^2/NDF: 3098980.4/29

All: 673.287+/-0.082 χ^2/NDF: 5781317.8/61

\- 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: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

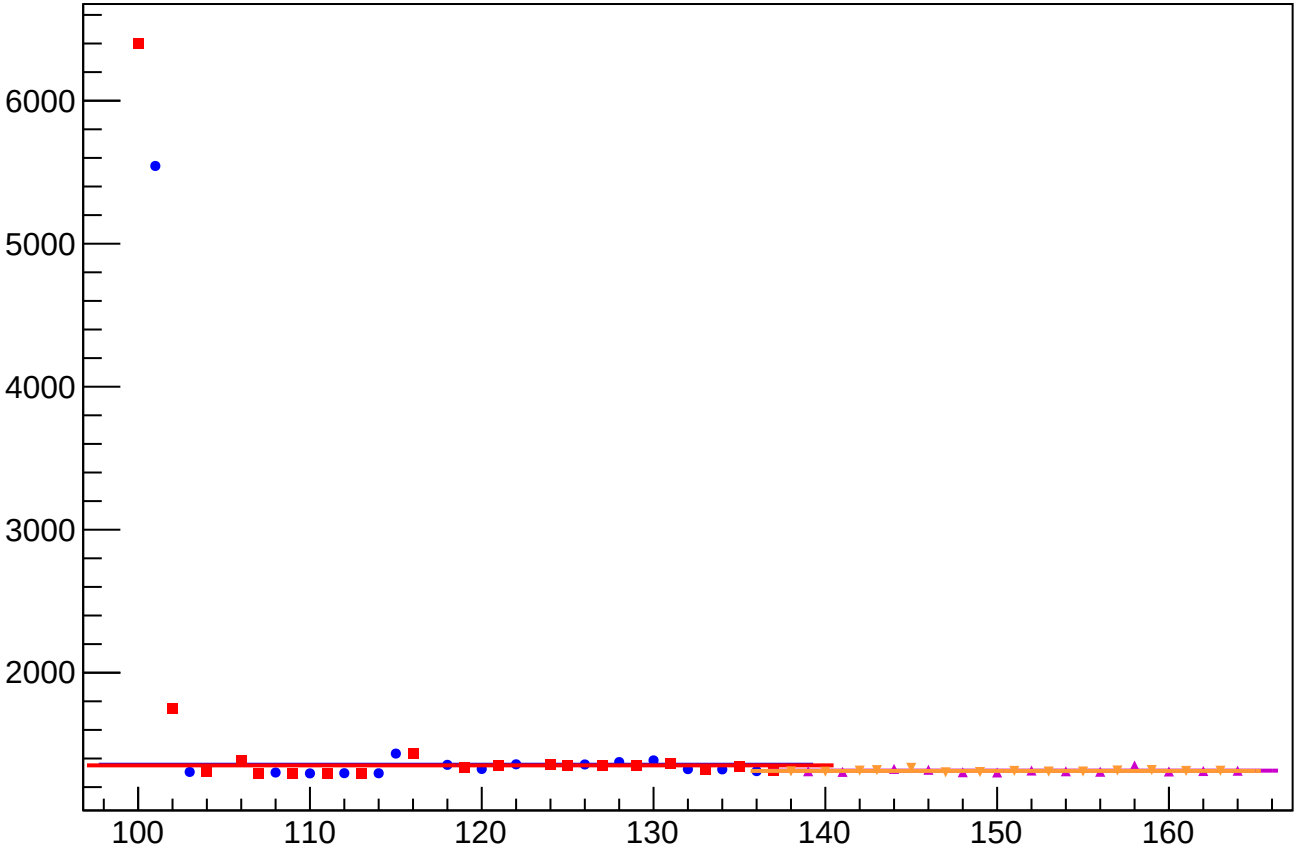
Left In: 80.885+/-397.045 χ^2/NDF:16.1/12

+ sign -22.836+/-312.600 χ^2/NDF: 35.4/29

All: 34.859+/-220.680 χ^2/NDF: 61.6/61

- 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: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

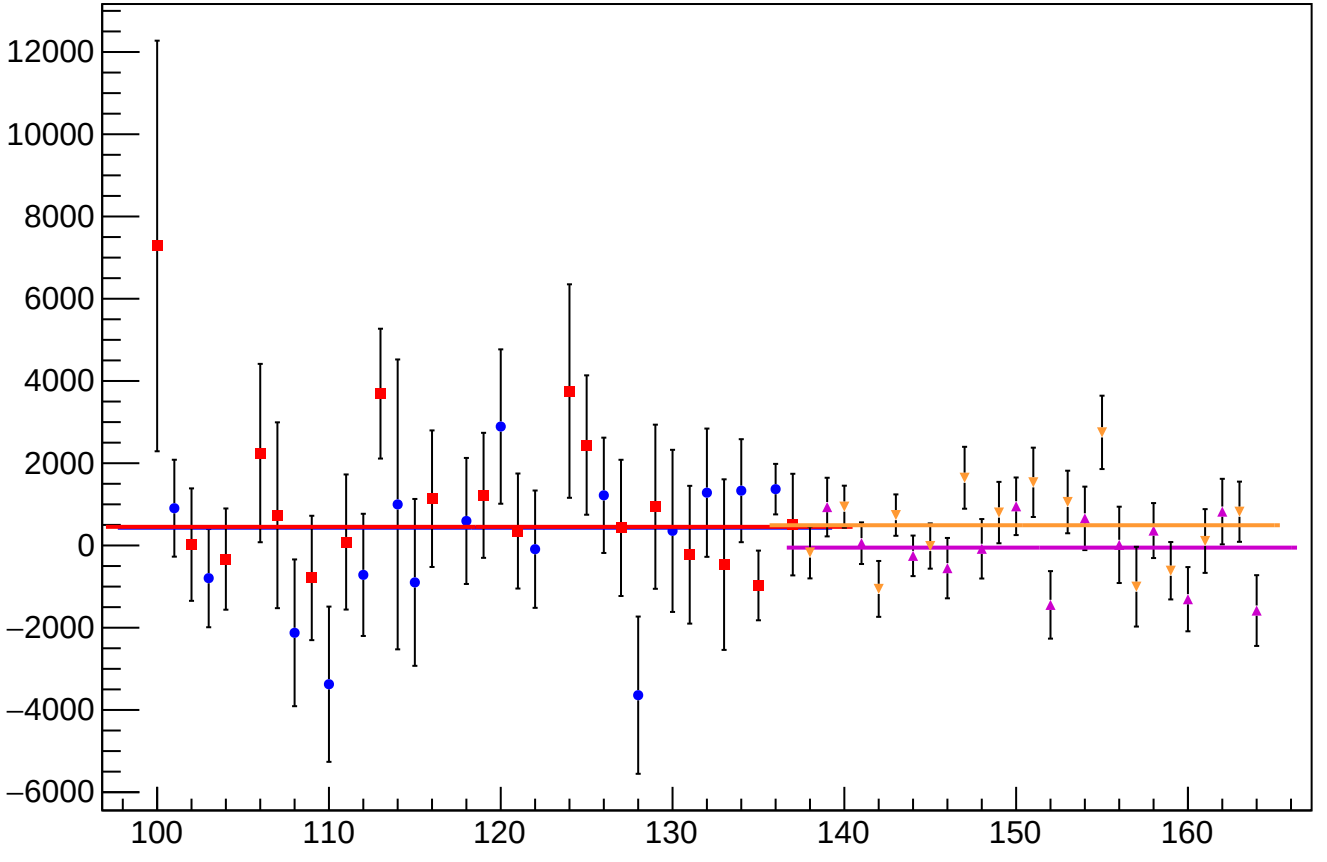
Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.0/29

All: 1329.135+/-0.156 χ^2/NDF: 925766.9/61

- sign 1329.299+/-0.220 χ^2/NDF: 155949.8/31

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

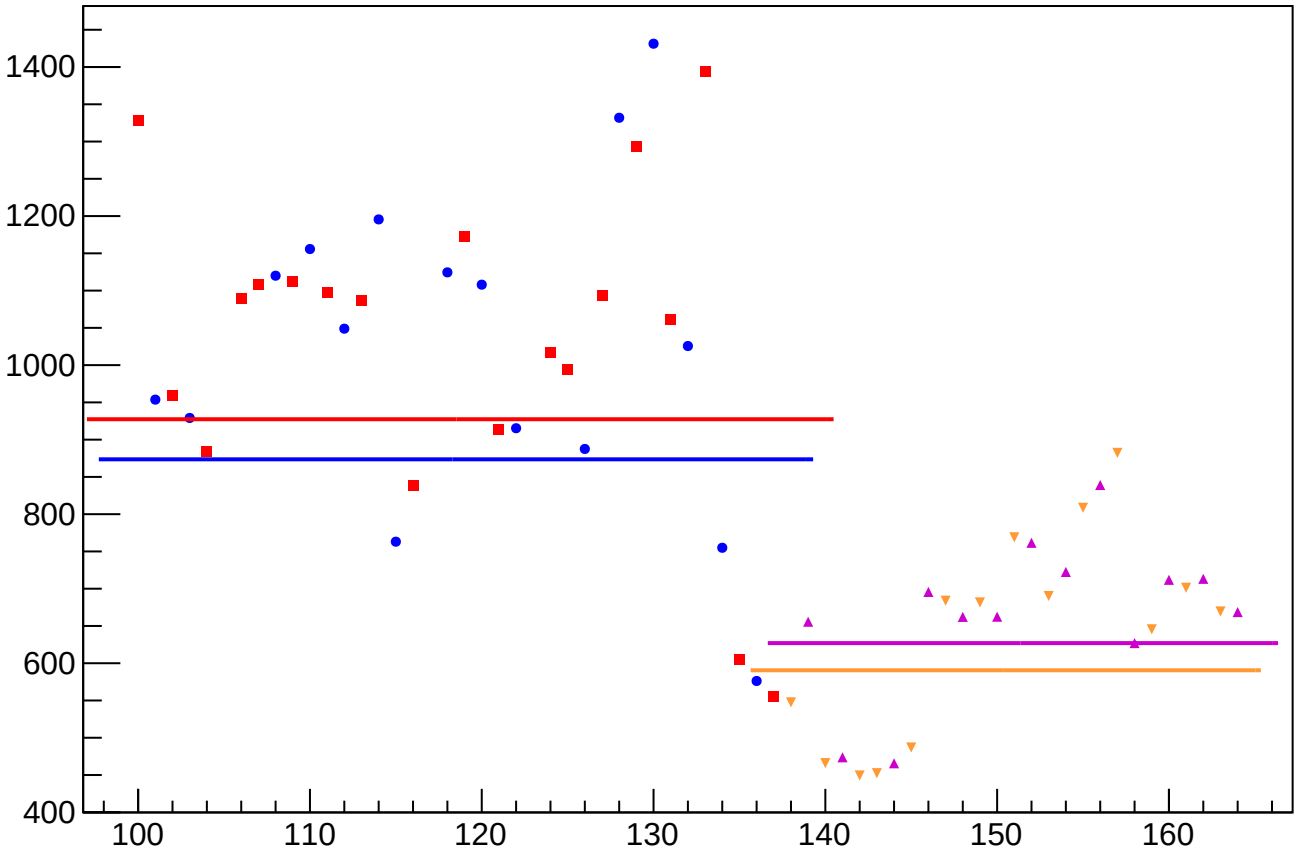
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -52.444+/-192.748 χ^2/NDF:15.7/12

+ sign 478.601+/-159.905 χ^2/NDF: 42.8/29

All: 282.531+/-116.300 χ^2/NDF: 77.9/61

- 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: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

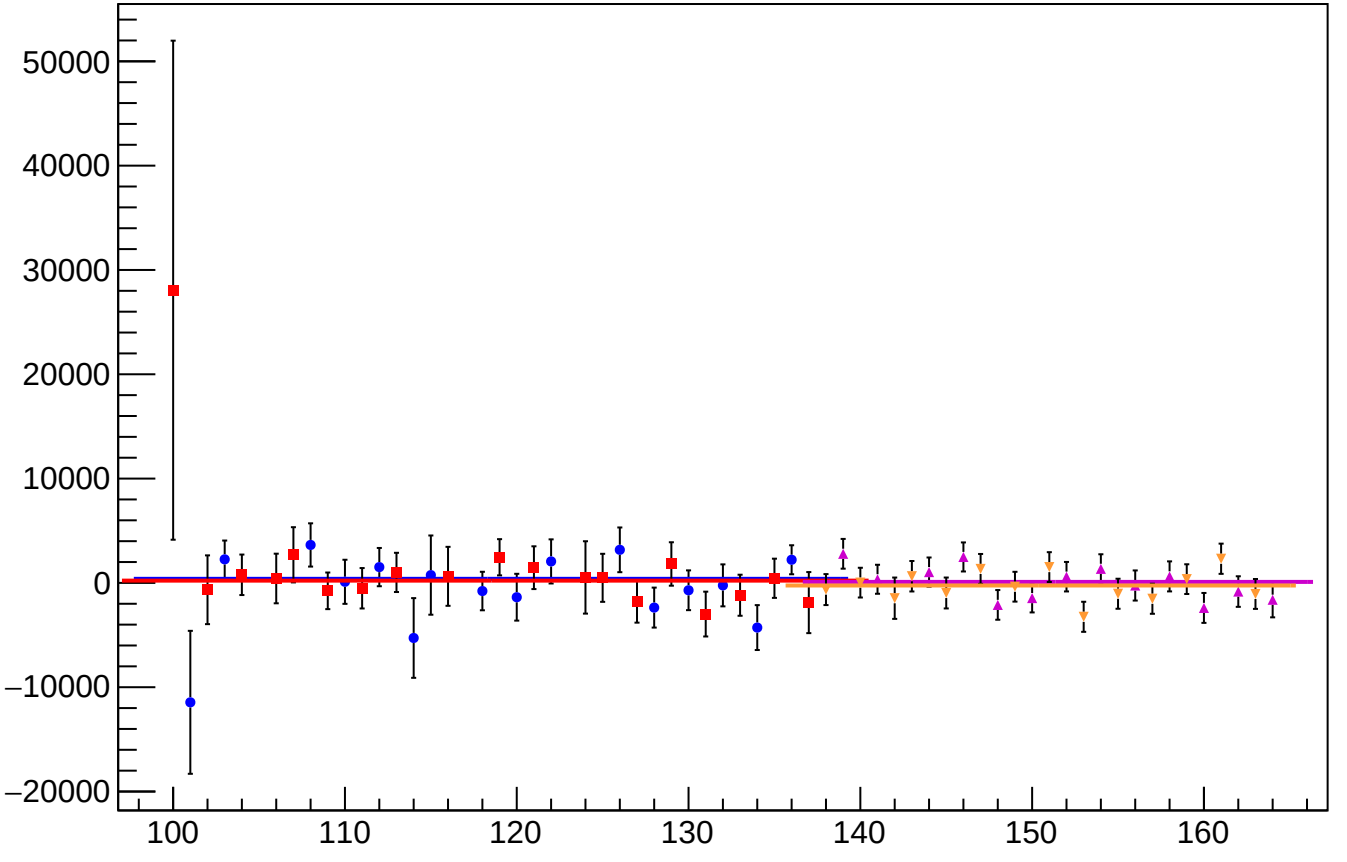
Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

\+ sign 653.754+/-0.113 χ^2/NDF: 3098980.4/29

All: 673.287+/-0.082 χ^2/NDF: 5781317.8/61

\- 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: -248.253+/-392.427 χ^2/NDF:12.9/13

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

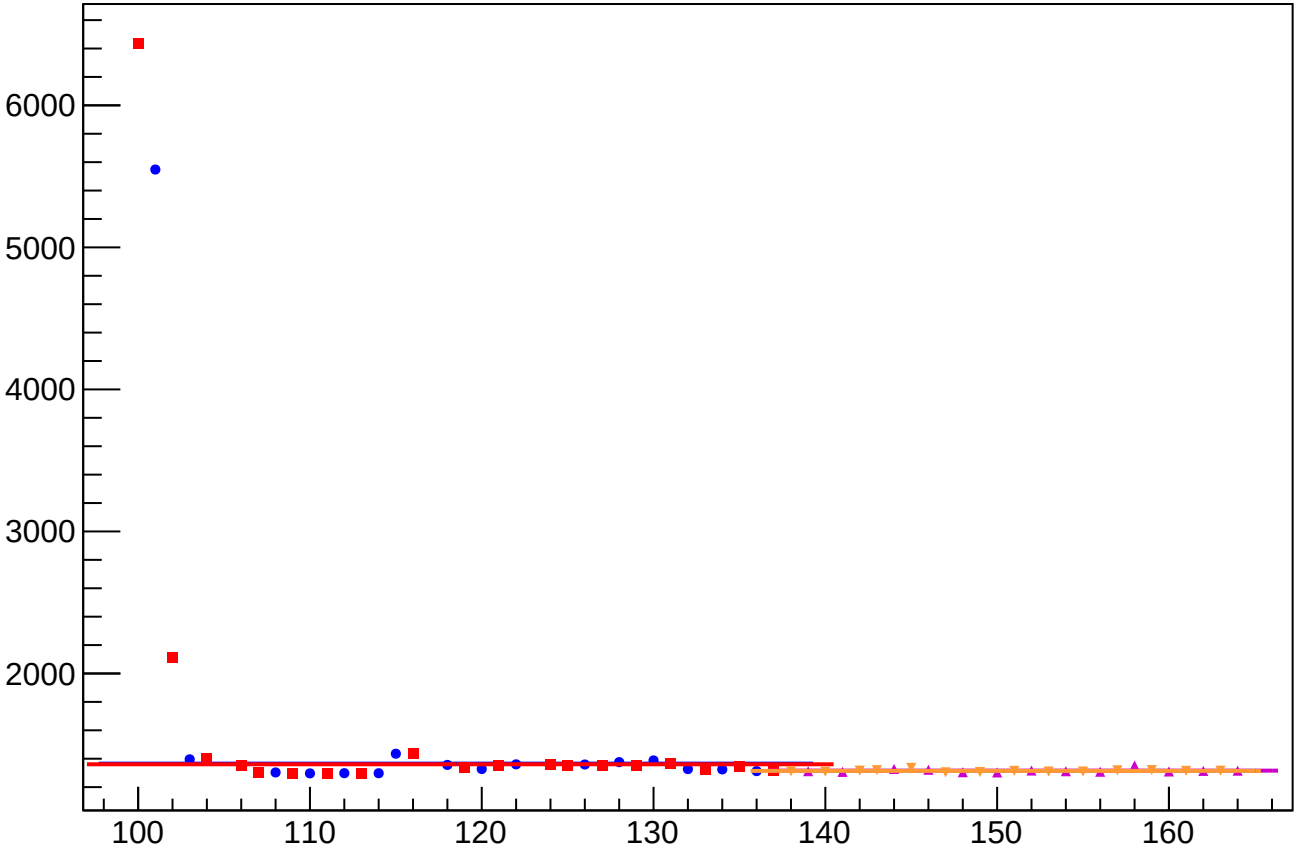
Left In: 95.685+/-397.332 χ^2/NDF:16.2/12

+ sign -17.330+/-313.491 χ^2/NDF: 35.2/29

All: 62.567+/-221.481 χ^2/NDF: 61.6/61

- 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: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

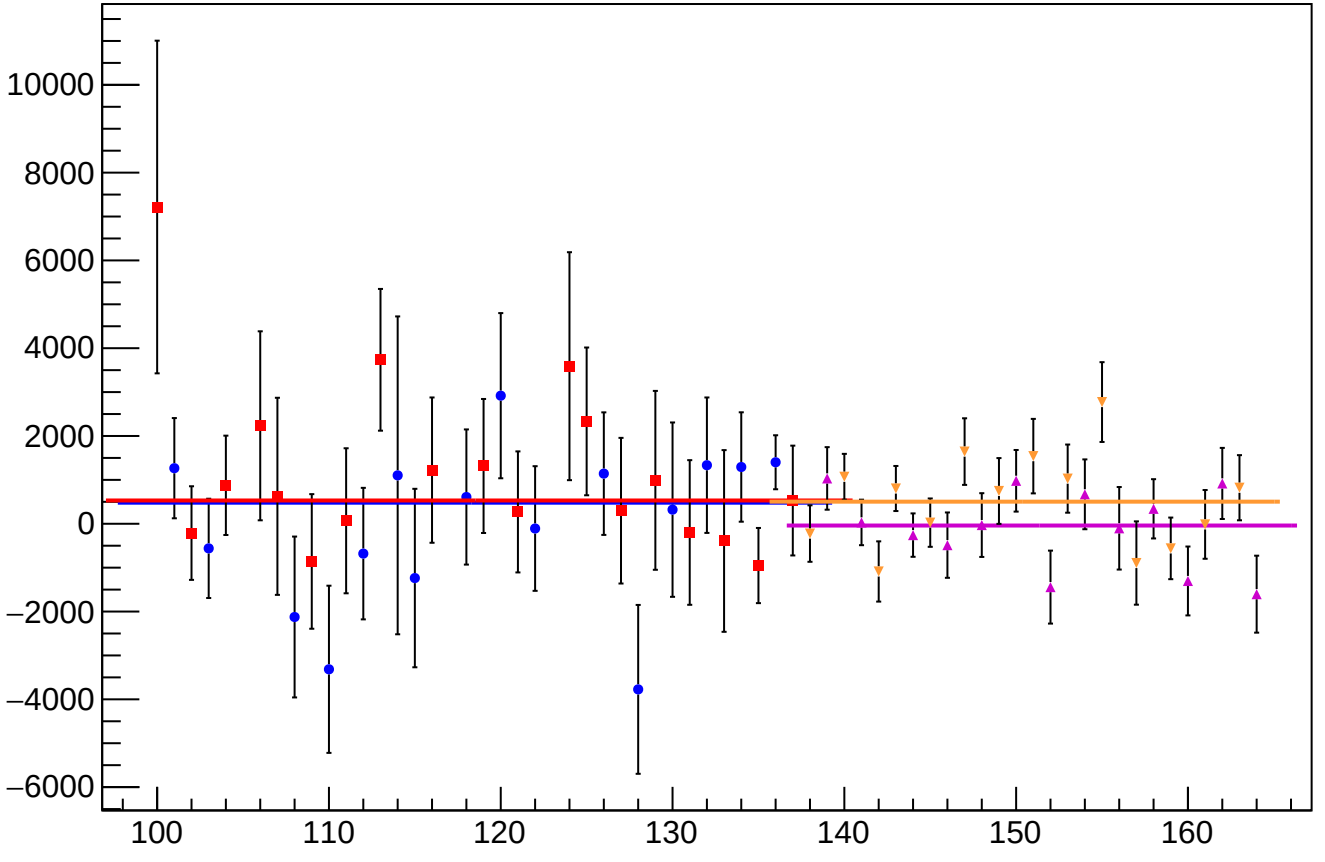
Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

+ sign 1332.726+/-0.222 χ^2/NDF: 771908.8/29

All: 1332.872+/-0.157 χ^2/NDF: 988799.7/61

- 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: 503.641+/-183.607 χ^2/NDF:24.6/13

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

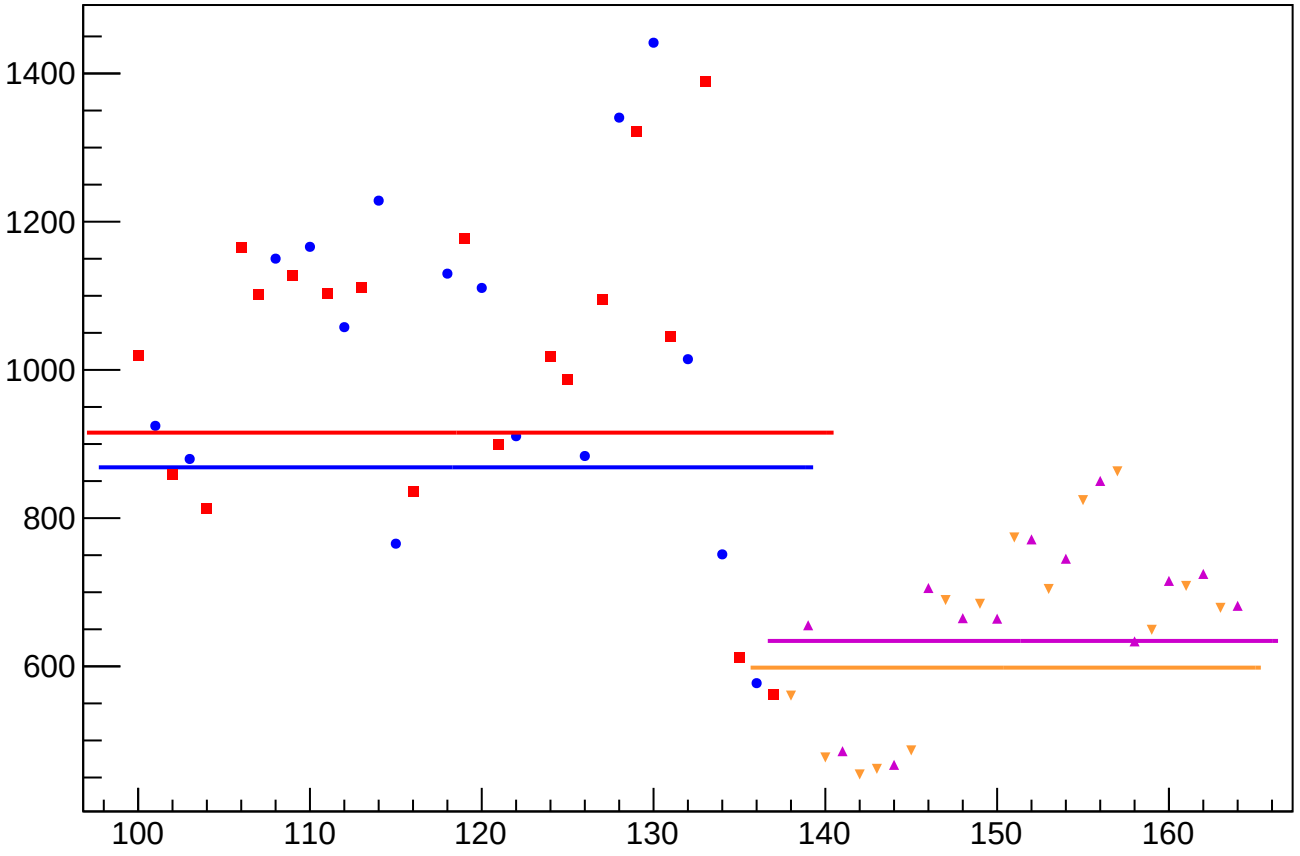
Left In: -40.175+/-194.948 χ^2/NDF:16.1/12

+ sign 498.310+/-161.177 χ^2/NDF: 43.2/29

All: 308.303+/-116.918 χ^2/NDF: 79.9/61

- 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: 598.273+/-0.130 χ^2/NDF:958231.6/13

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

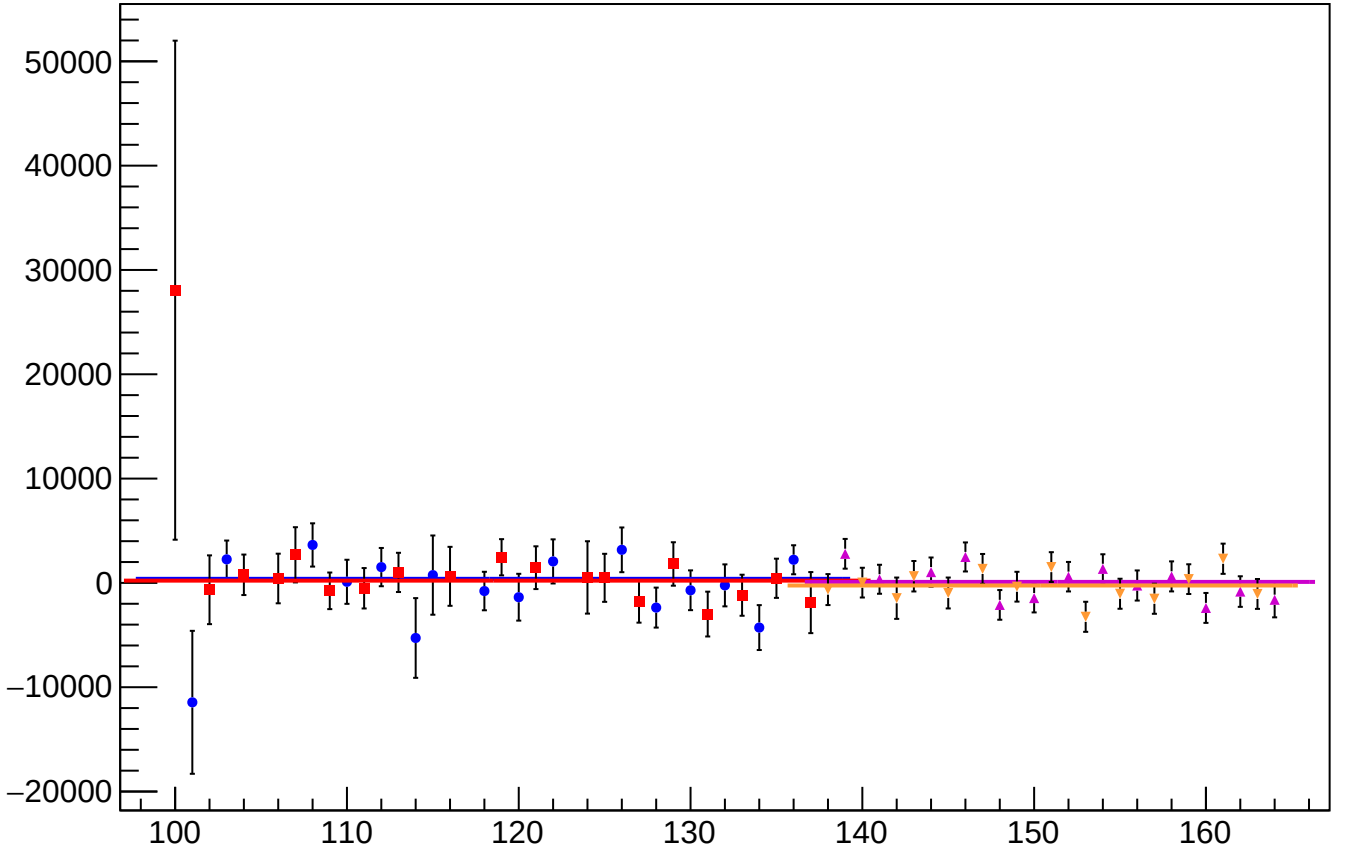
Left In: 634.308+/-0.138 χ^2/NDF:671559.6/12

+ sign 660.278+/-0.114 χ^2/NDF: 2973893.4/29

All: 680.046+/-0.083 χ^2/NDF: 5569038.6/61

- 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: -248.255+/-392.427 χ^2/NDF:12.9/13

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

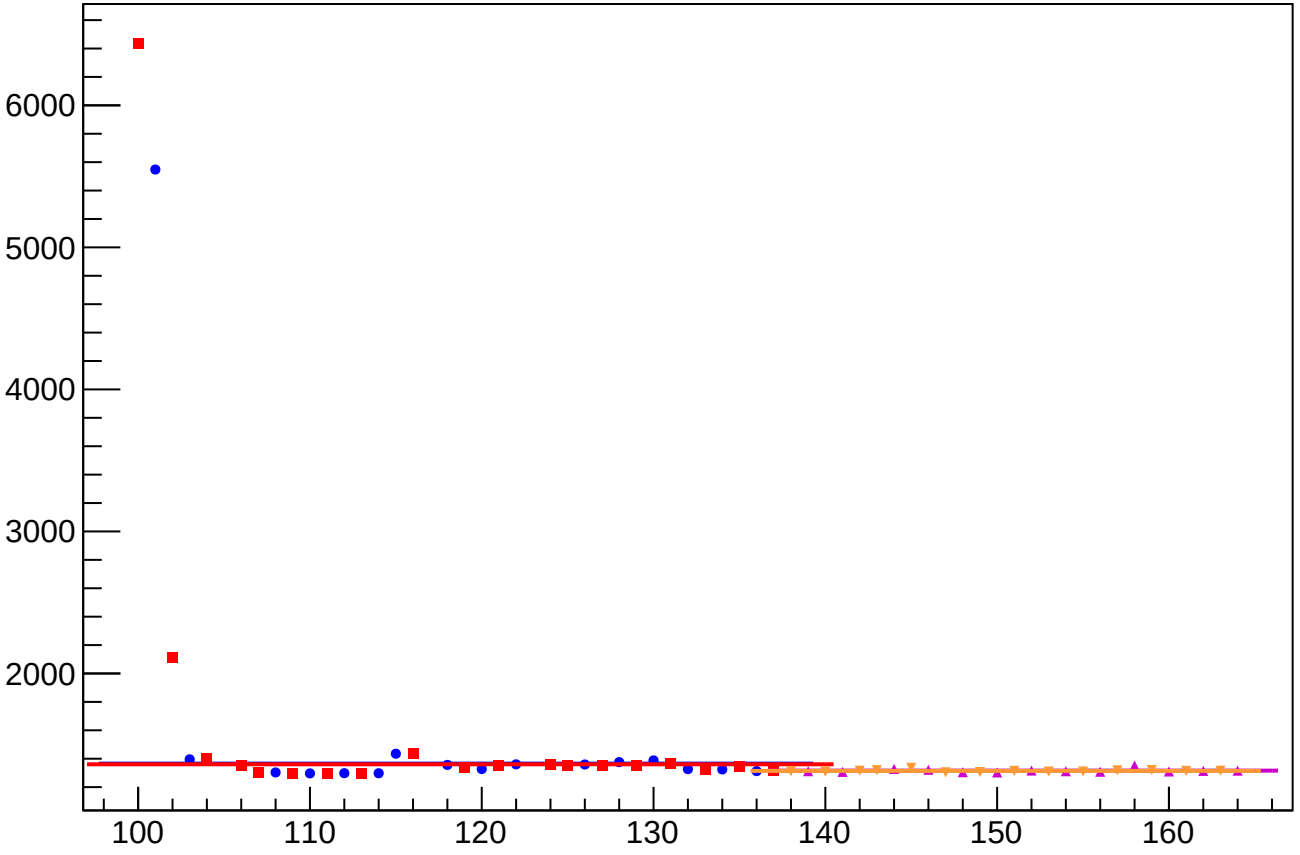
Left In: 95.684+/-397.332 χ^2/NDF:16.2/12

+ sign -17.331+/-313.491 χ^2/NDF: 35.2/29

All: 62.565+/-221.481 χ^2/NDF: 61.6/61

- 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: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

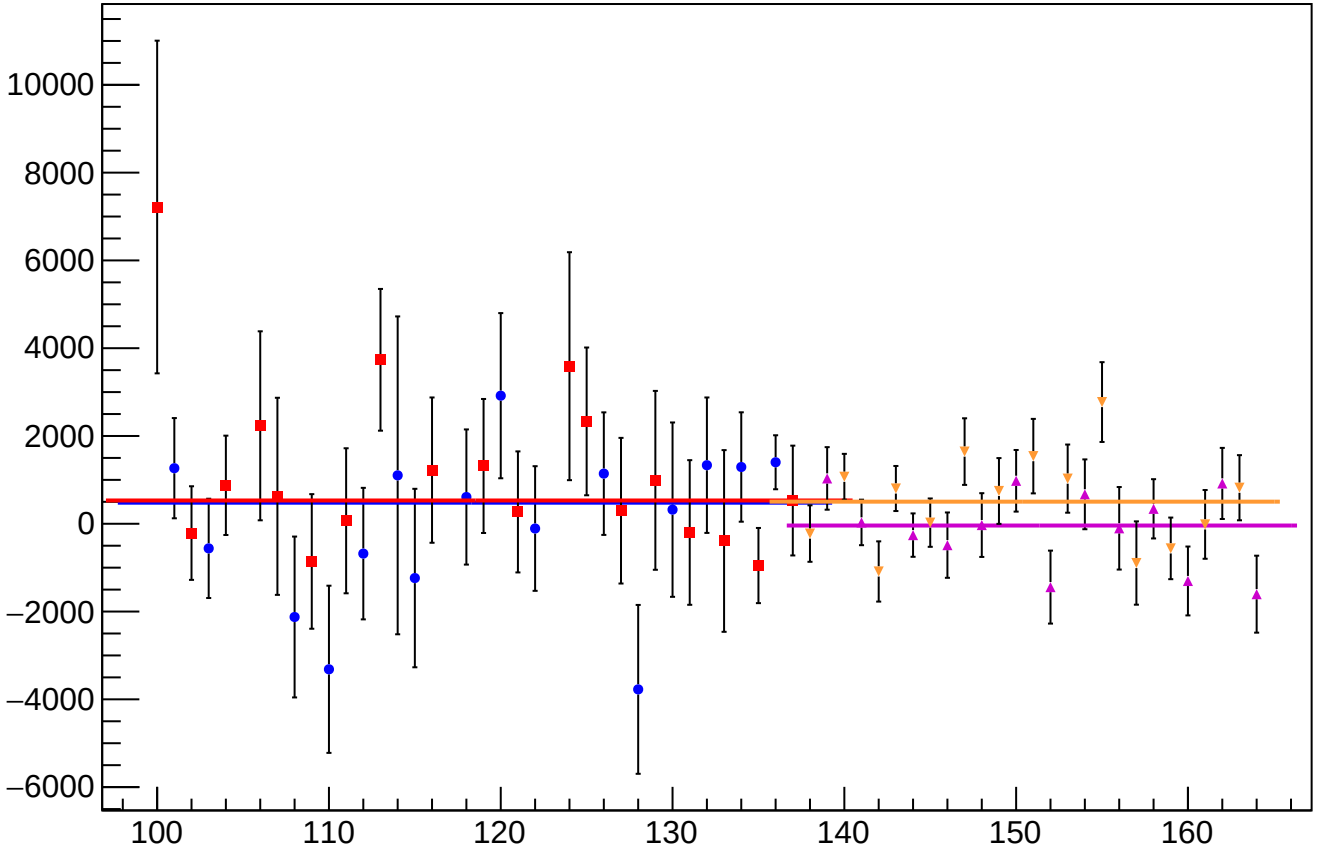
Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

+ sign 1332.726+/-0.222 χ^2/NDF: 771908.8/29

All: 1332.872+/-0.157 χ^2/NDF: 988799.6/61

- sign 1333.017+/-0.221 χ^2/NDF: 216889.9/31

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 503.641+/-183.607 χ^2/NDF:24.6/13

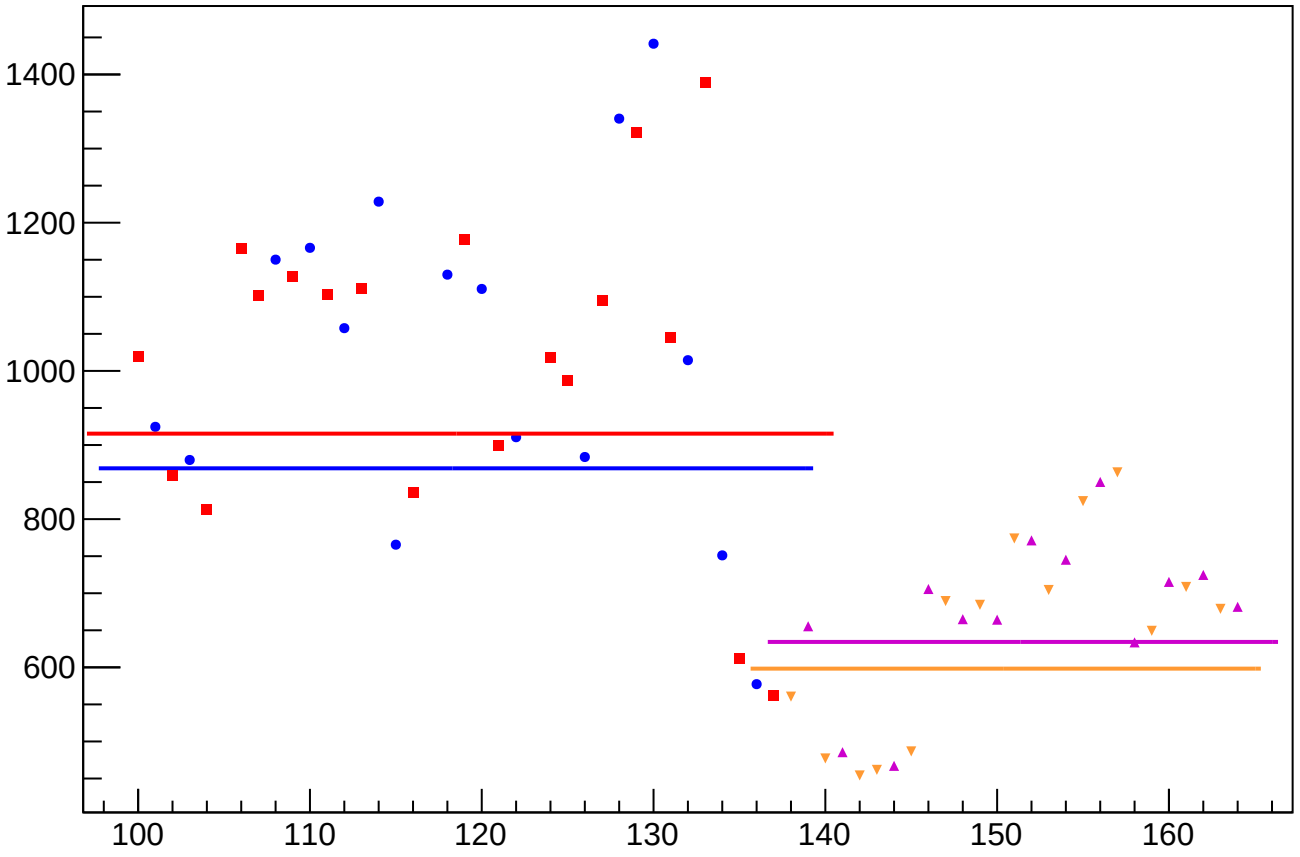
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -40.175+/-194.948 χ^2/NDF:16.1/12

+ sign 498.310+/-161.177 χ^2/NDF: 43.2/29

All: 308.303+/-116.918 χ^2/NDF: 79.9/61

- sign 97.281+/-169.857 χ^2/NDF: 33.8/31



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 598.273+/-0.130 χ^2/NDF:958246.0/13

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

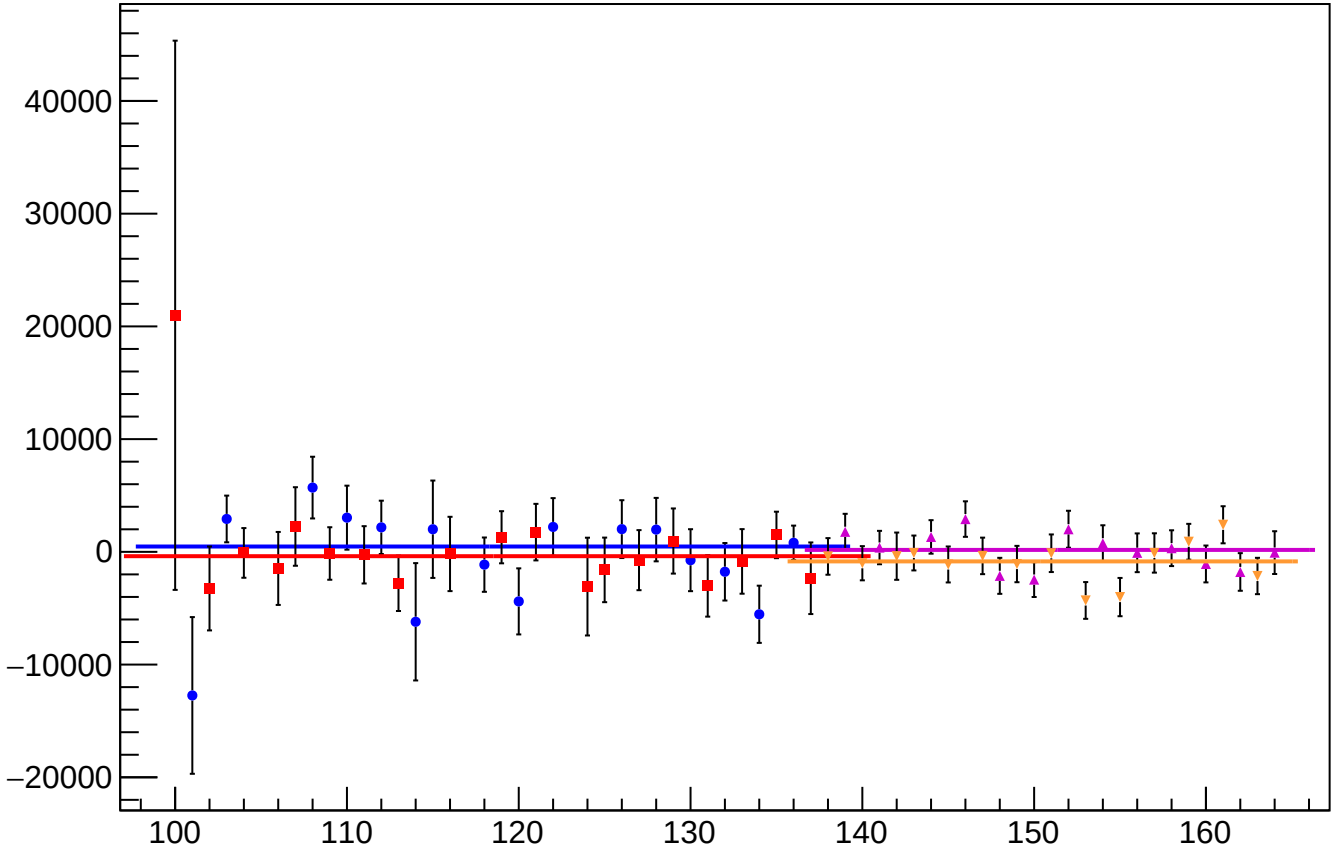
Left In: 634.309+/-0.138 χ^2/NDF:671566.7/12

+ sign 660.278+/-0.114 χ^2/NDF: 2973891.9/29

All: 680.046+/-0.083 χ^2/NDF: 5569028.5/61

- 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: -846.524+/-439.383 χ^2/NDF:14.6/13

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

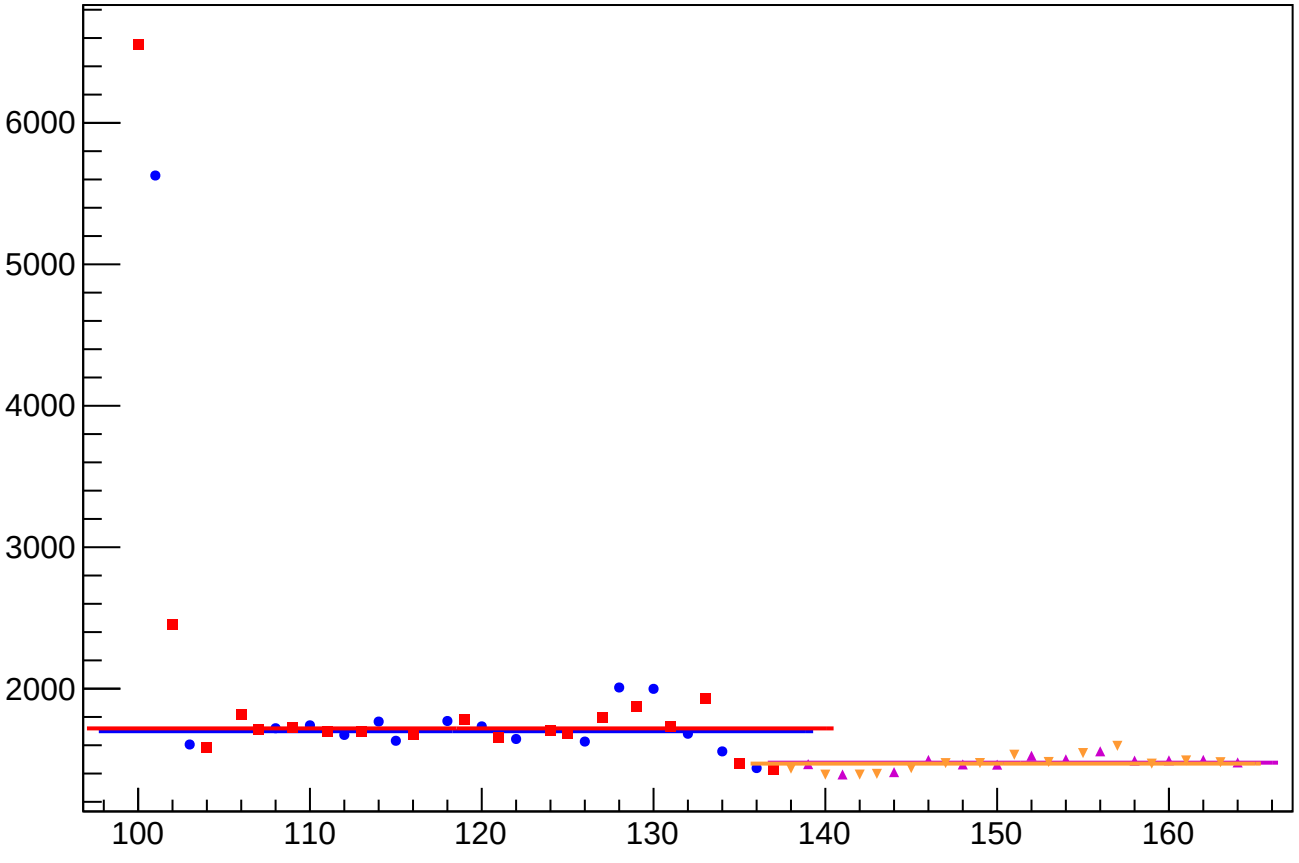
Left In: 171.915+/-446.087 χ^2/NDF:13.0/12

+ sign -431.863+/-363.885 χ^2/NDF: 40.1/29

All: -222.023+/-258.167 χ^2/NDF: 61.6/61

- 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: 1470.274+/-0.311 χ^2/NDF:31819.7/13

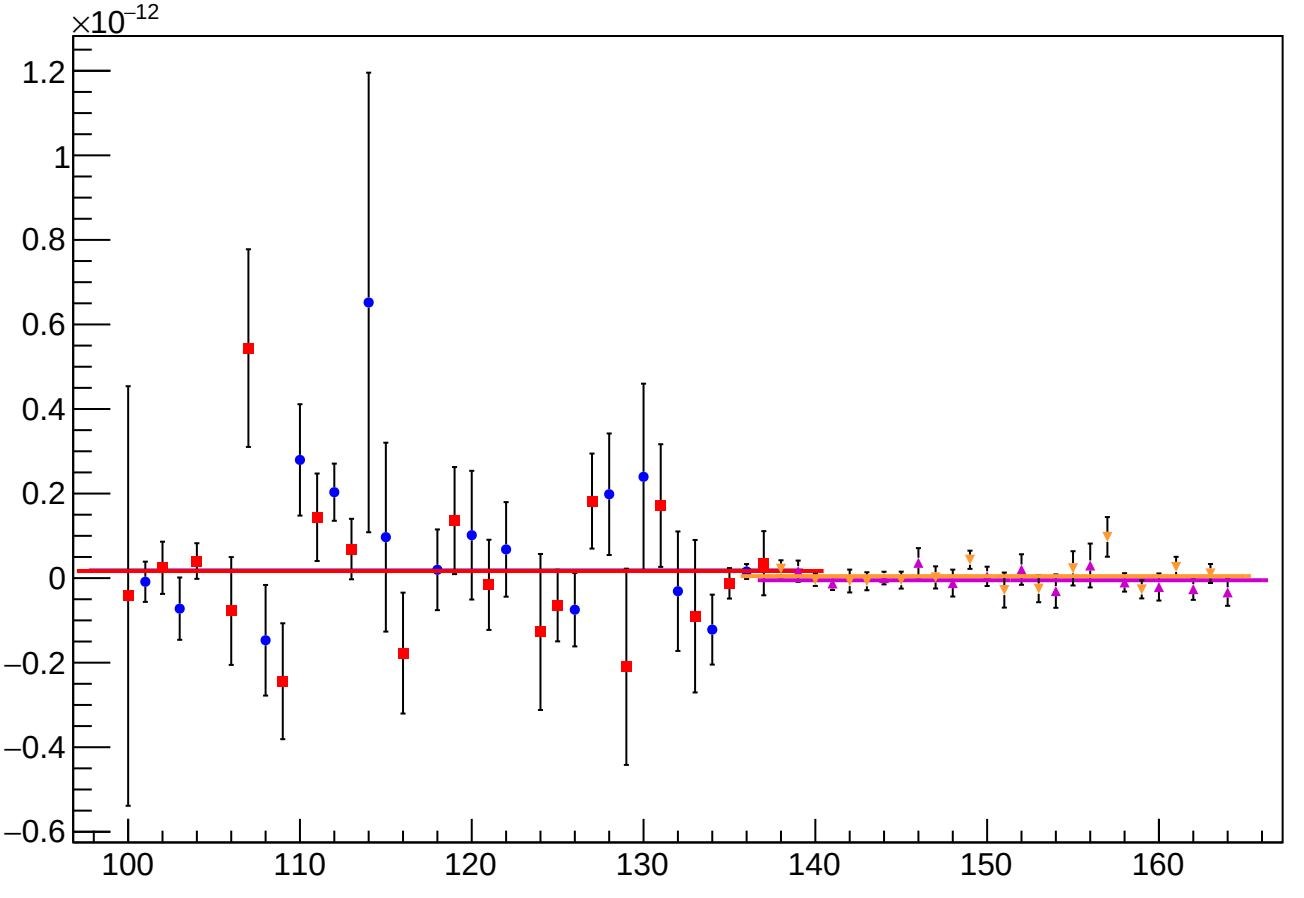
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.821+/-0.315 χ^2/NDF:18277.0/12

+ sign 1542.228+/-0.257 χ^2/NDF: 964658.5/29

All: 1548.923+/-0.183 χ^2/NDF: 1410150.1/61

- 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:13.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

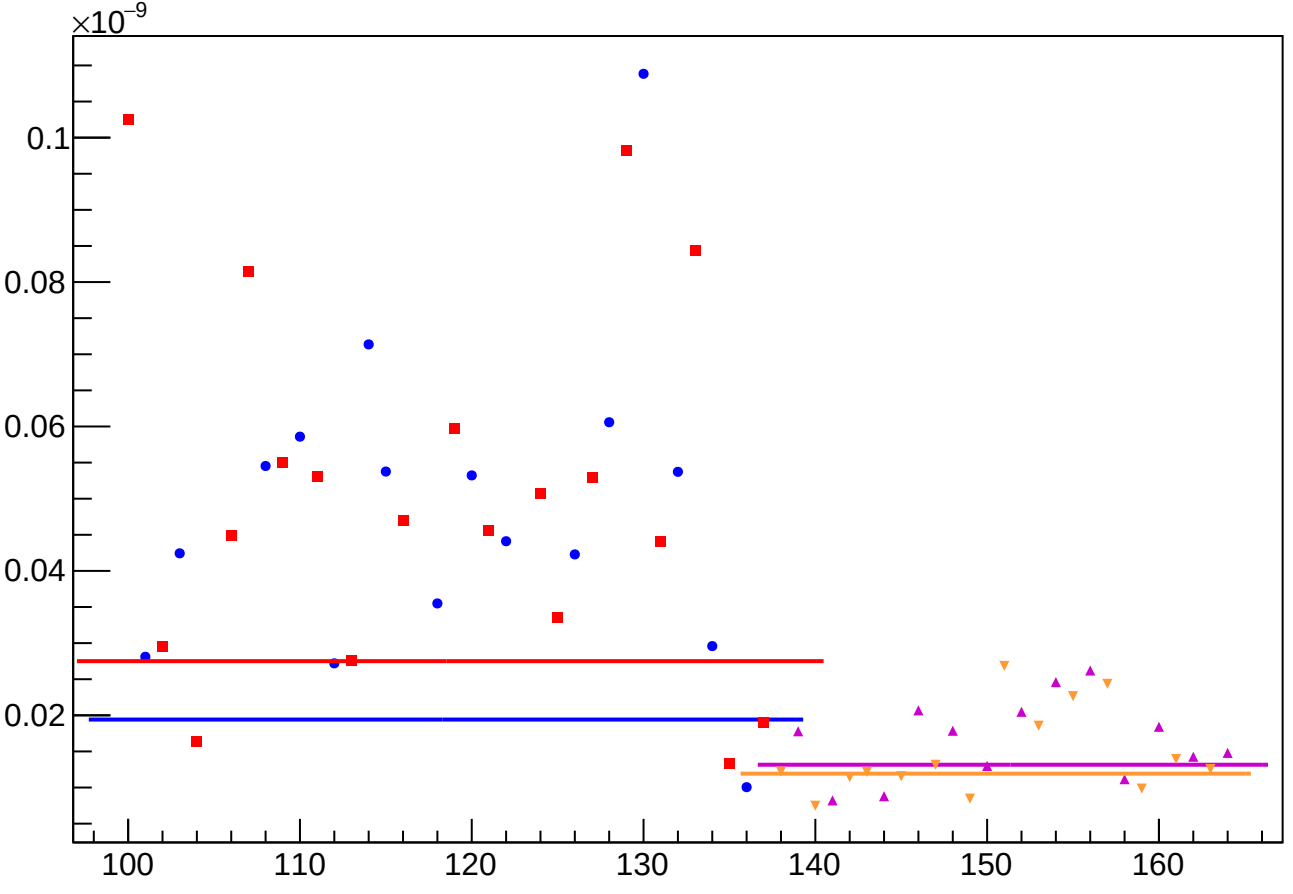
Left In: -0.000+/-0.000 χ^2/NDF:5.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/29

All: 0.000+/-0.000 χ^2/NDF: 67.6/61

- sign -0.000+/-0.000 χ^2/NDF: 28.3/31

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:910509.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

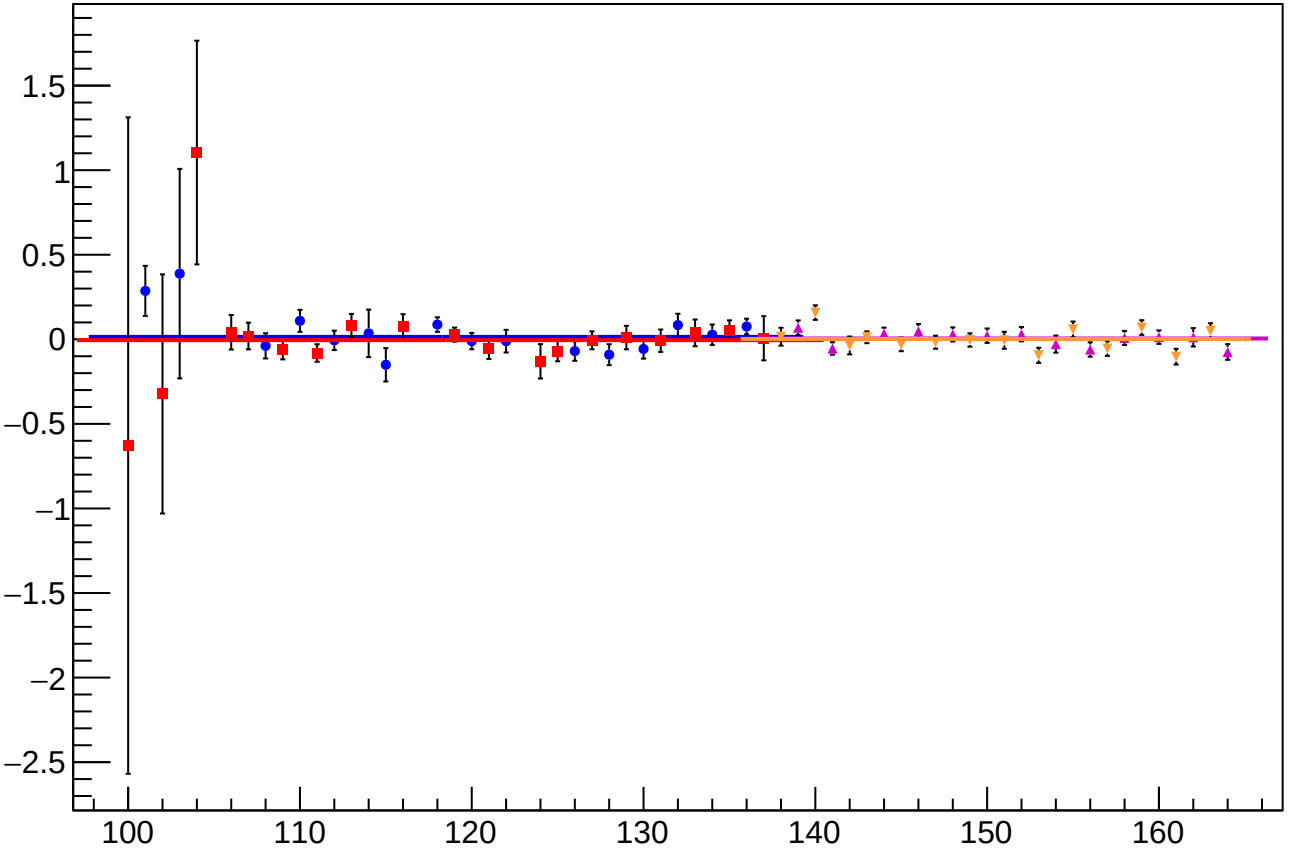
Left In: 0.000+/-0.000 χ^2/NDF:1035128.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3641943.4/29

All: 0.000+/-0.000 χ^2/NDF: 7401647.3/61

- 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: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

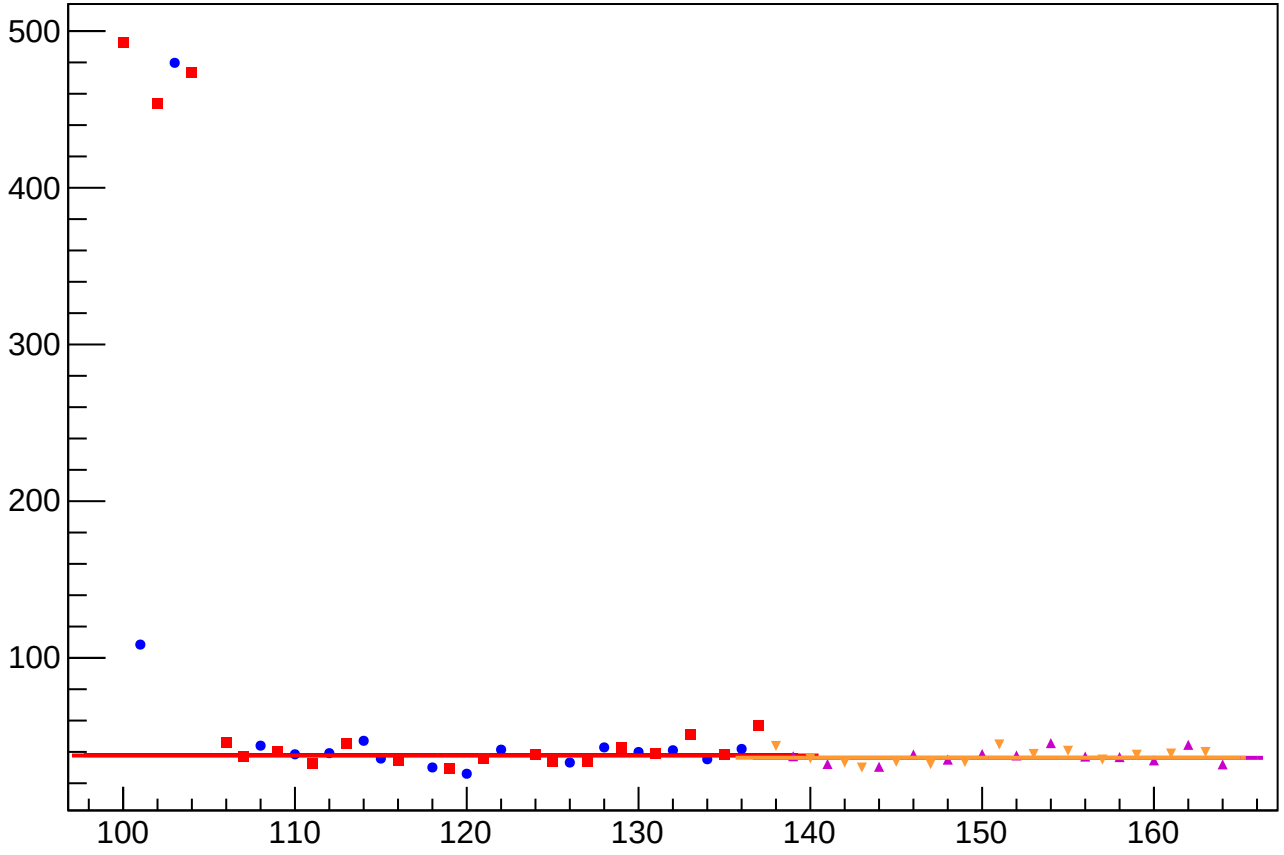
Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.004+/-0.007 χ^2/NDF: 81.9/61

- 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: 36.291+/-0.008 χ^2/NDF:257345.2/13

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

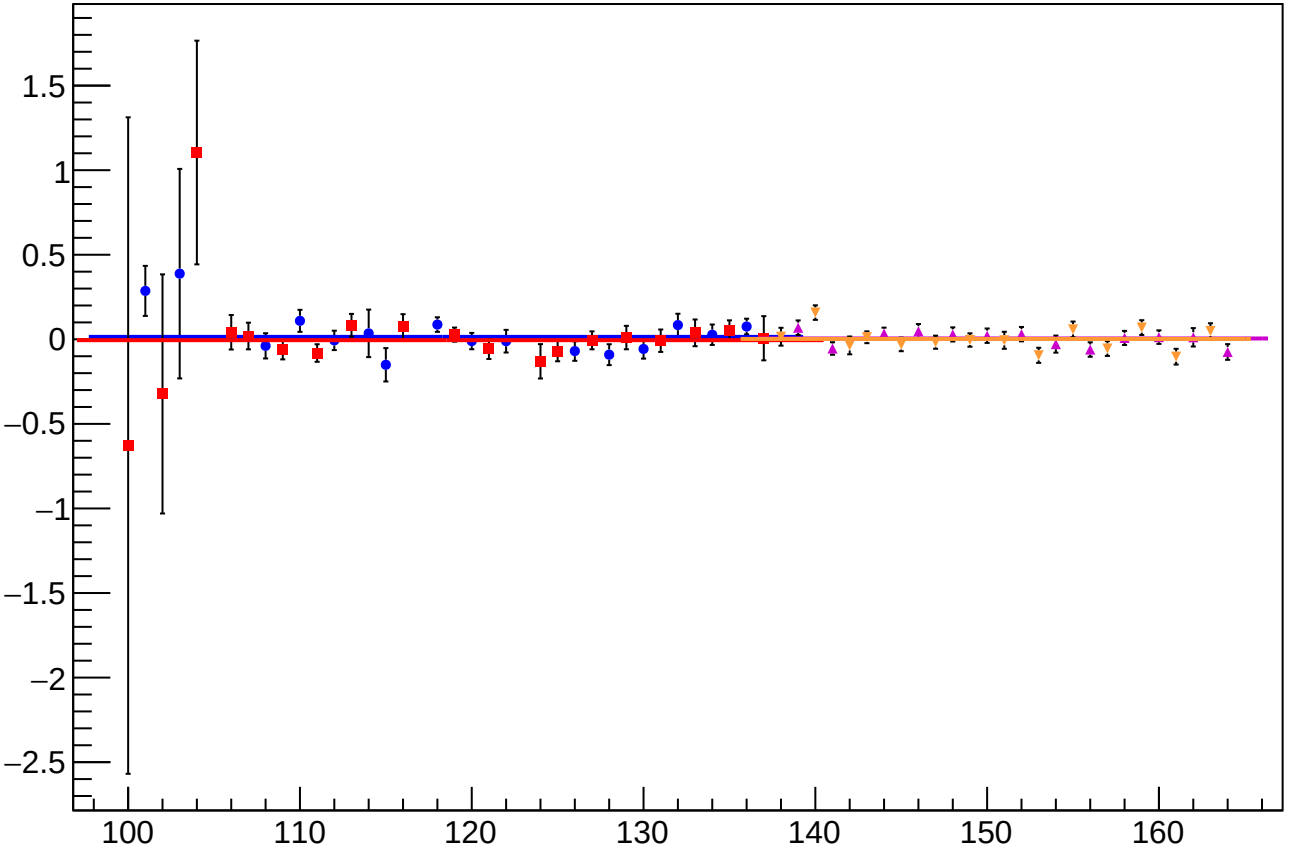
Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

\+ sign 36.868+/-0.007 χ^2/NDF: 2010991.9/29

All: 36.800+/-0.005 χ^2/NDF: 4197347.3/61

\- sign 36.731+/-0.007 χ^2/NDF: 2186146.4/31

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

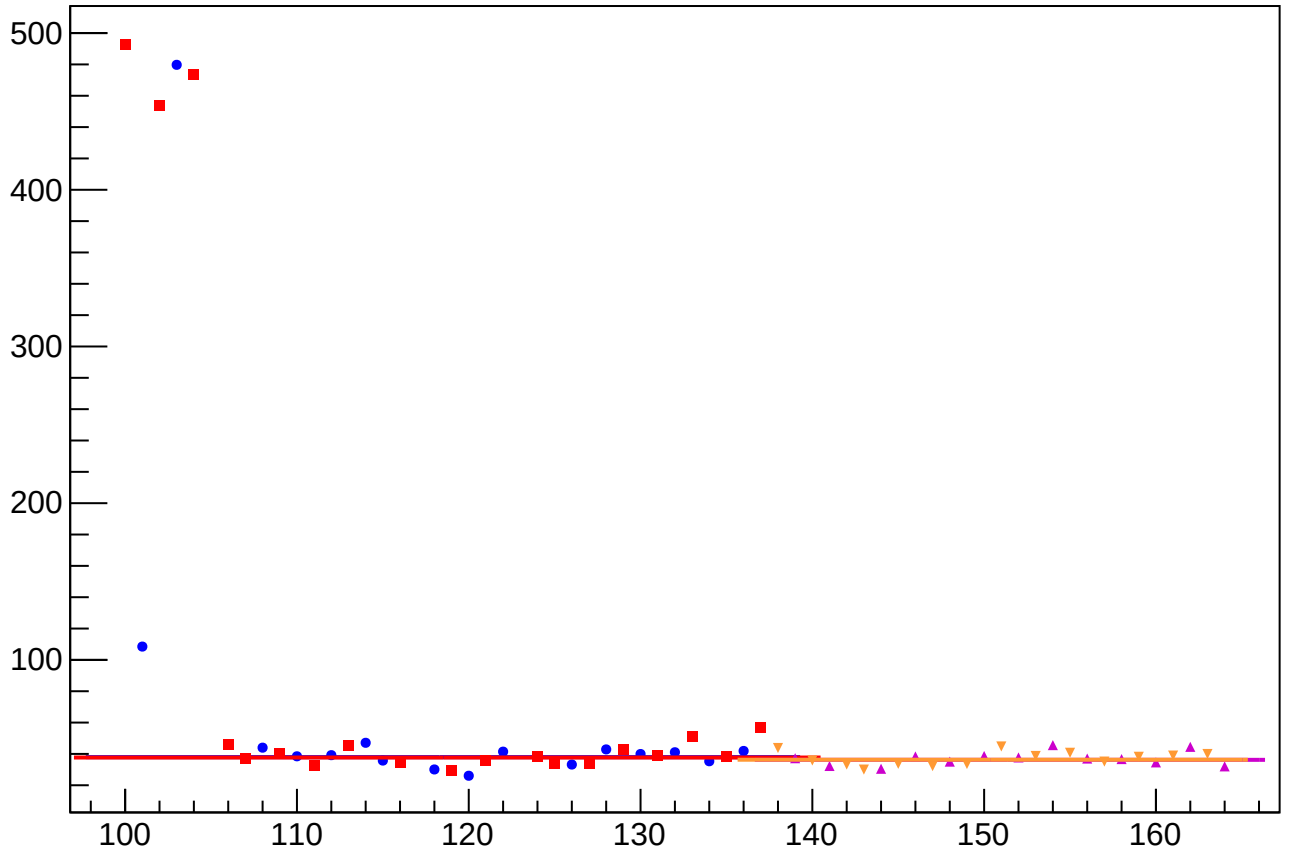
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.004+/-0.007 χ^2/NDF: 81.9/61

- 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: 36.291+/-0.008 χ^2/NDF:257345.2/13

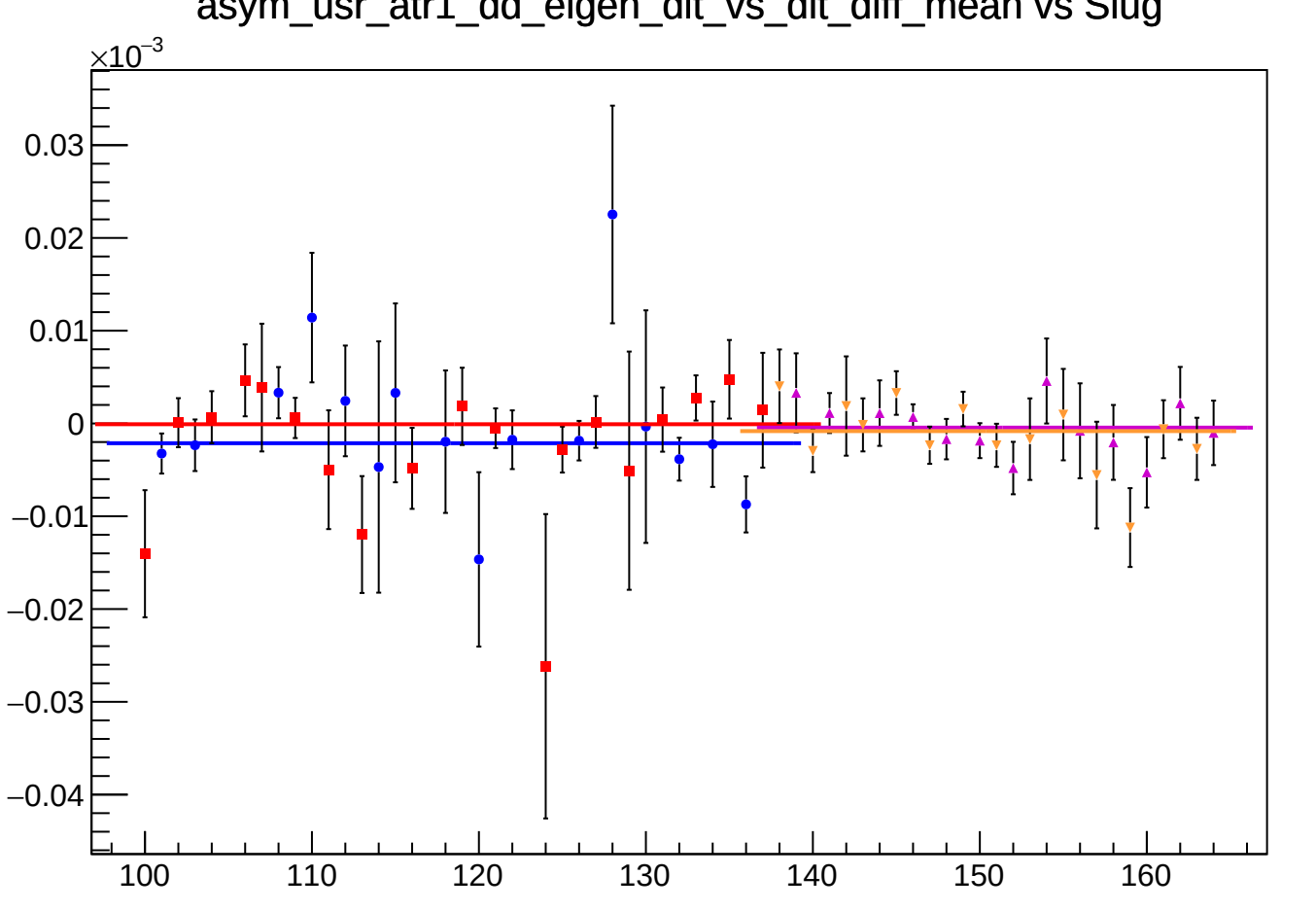
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

+ sign 36.868+/-0.007 χ^2/NDF: 2010991.9/29

All: 36.800+/-0.005 χ^2/NDF: 4197347.3/61

- 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:15.5/13

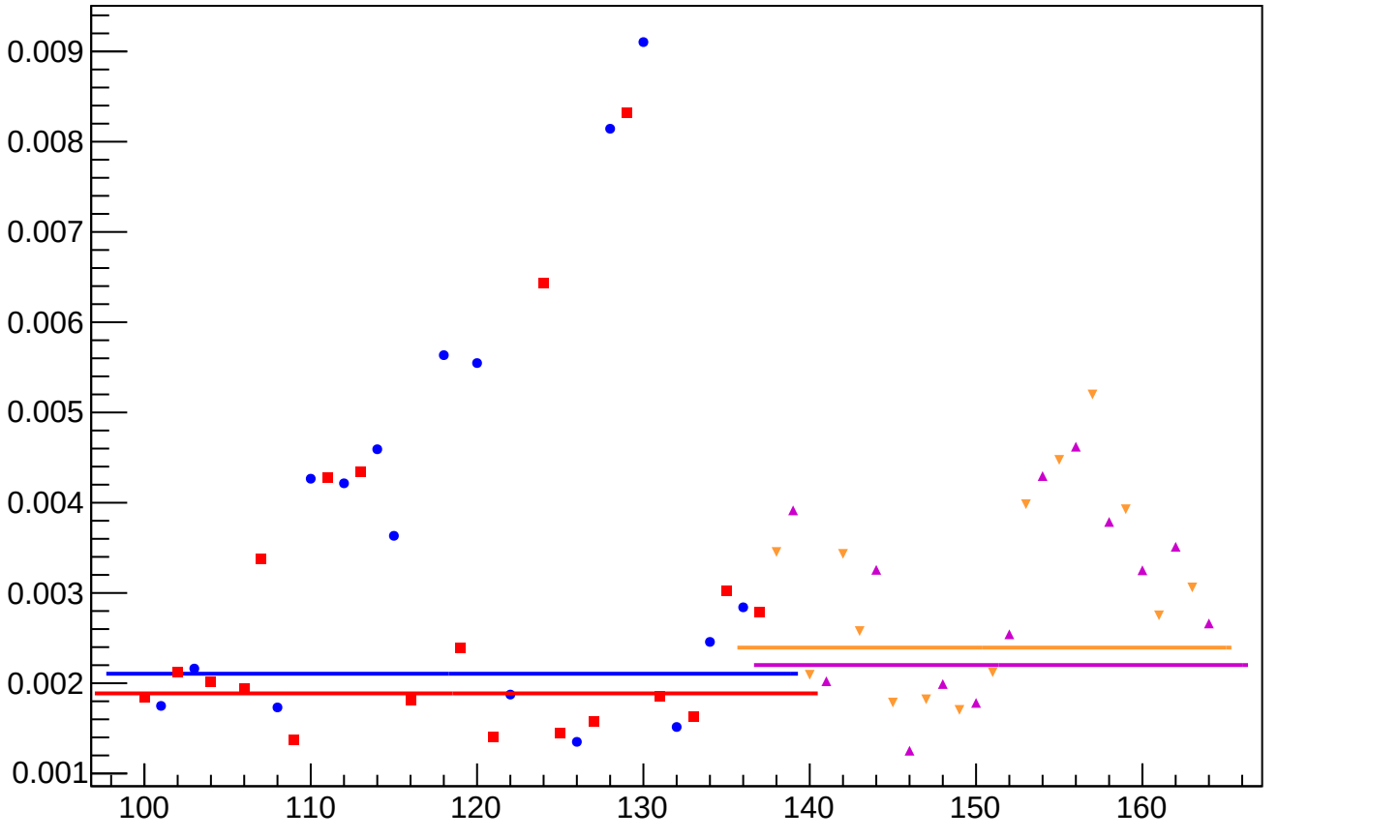
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

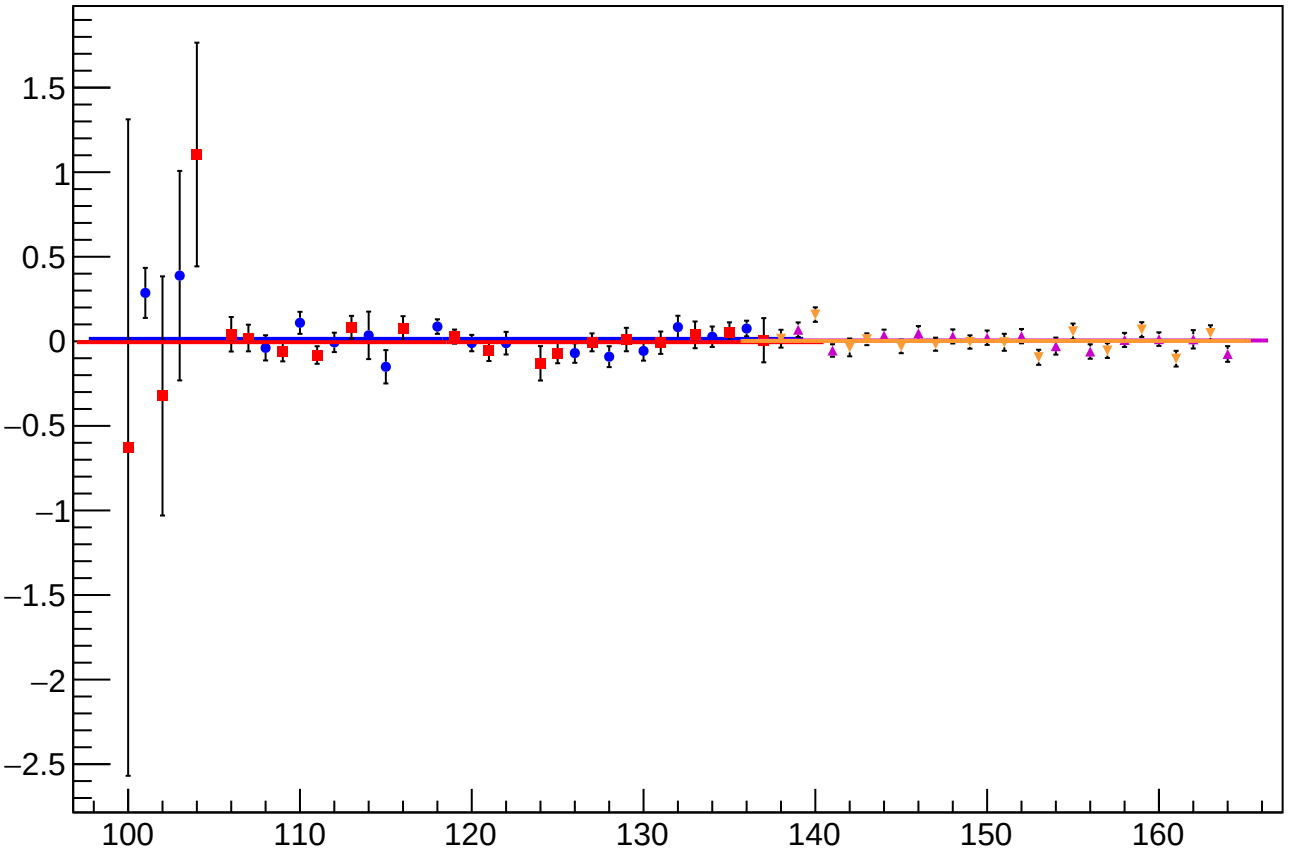
Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/29

All: -0.000+/-0.000 χ^2/NDF: 66.5/61

- 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:2319489.2/13
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: 5457024.9/29
All: 0.002+/-0.000 χ²/NDF: 10876430.3/61
- sign 0.002+/-0.000 χ²/NDF: 5271563.0/31



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

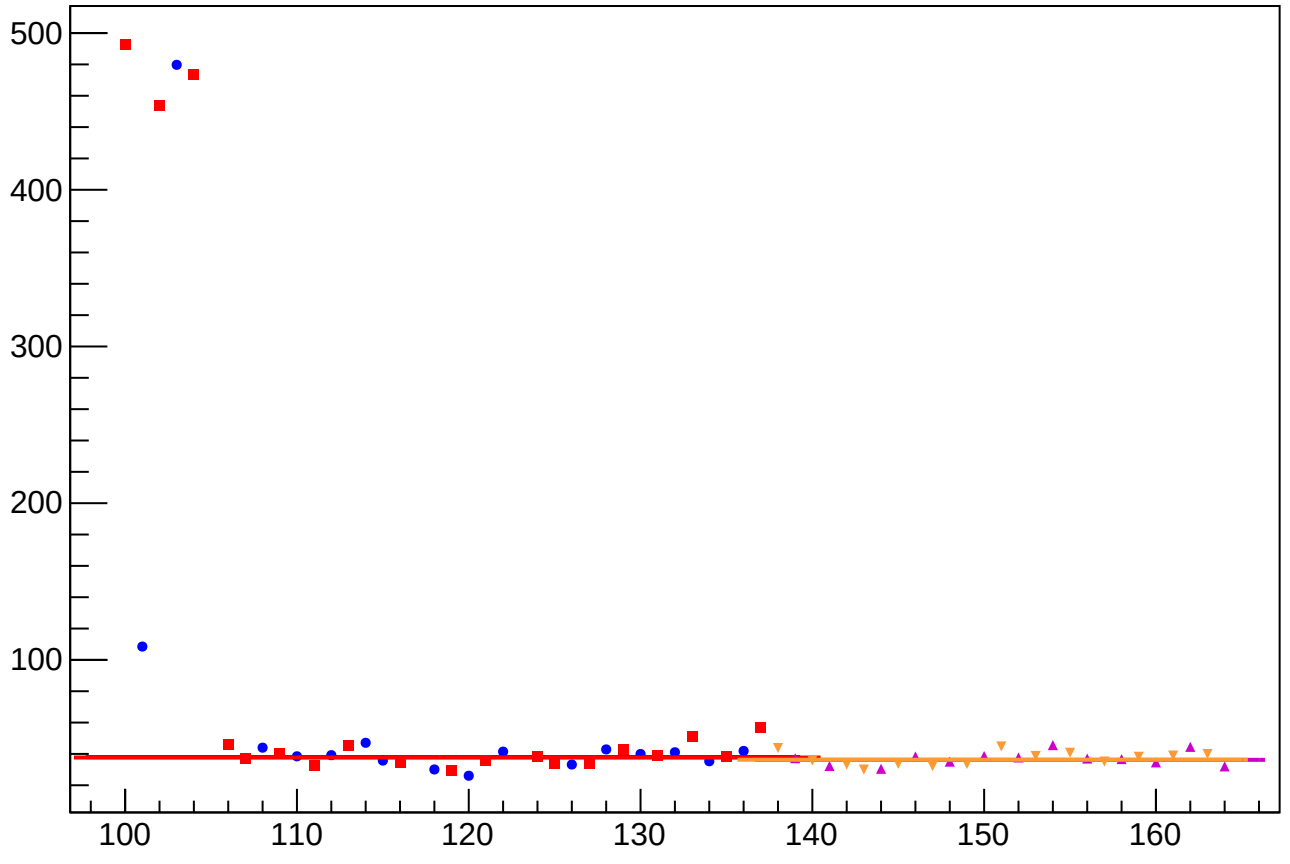
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.004+/-0.007 χ^2/NDF: 81.9/61

- 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: 36.291+/-0.008 χ^2/NDF:257398.5/13

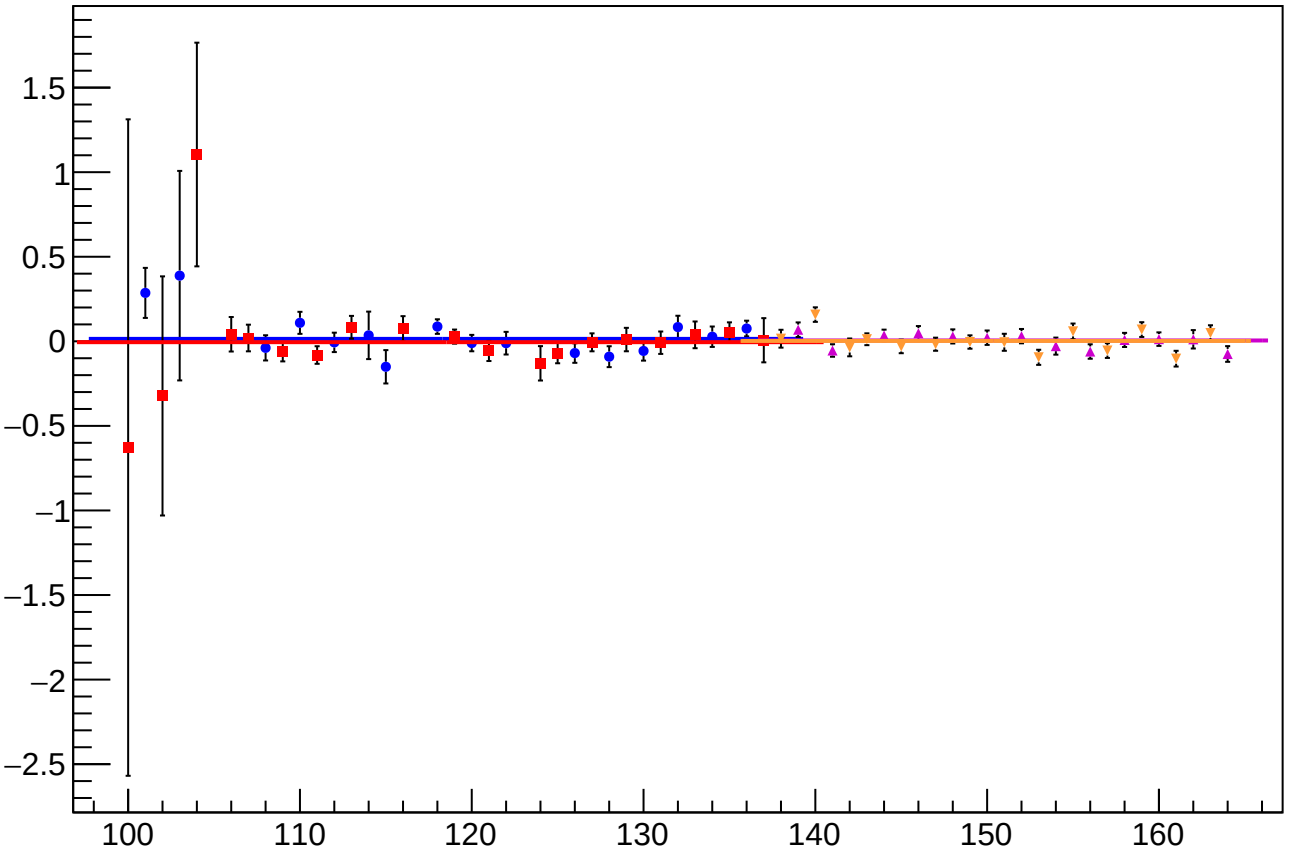
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

+ sign 36.868+/-0.007 χ^2/NDF: 2011049.6/29

All: 36.800+/-0.005 χ^2/NDF: 4197503.2/61

- 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: 0.002+/-0.012 χ^2/NDF:31.1/13

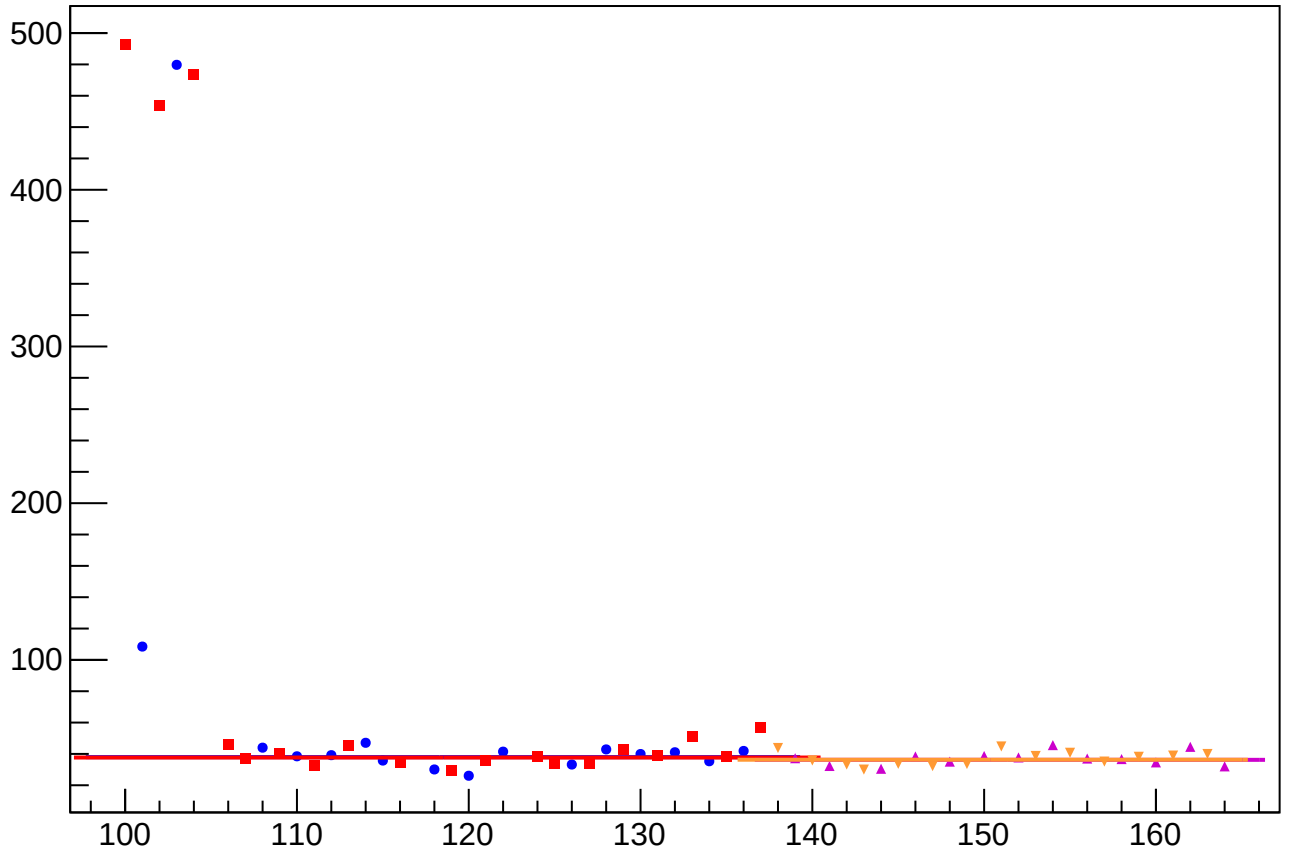
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.004+/-0.007 χ^2/NDF: 81.9/61

- 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: 36.291+/-0.008 χ^2/NDF:257398.5/13

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

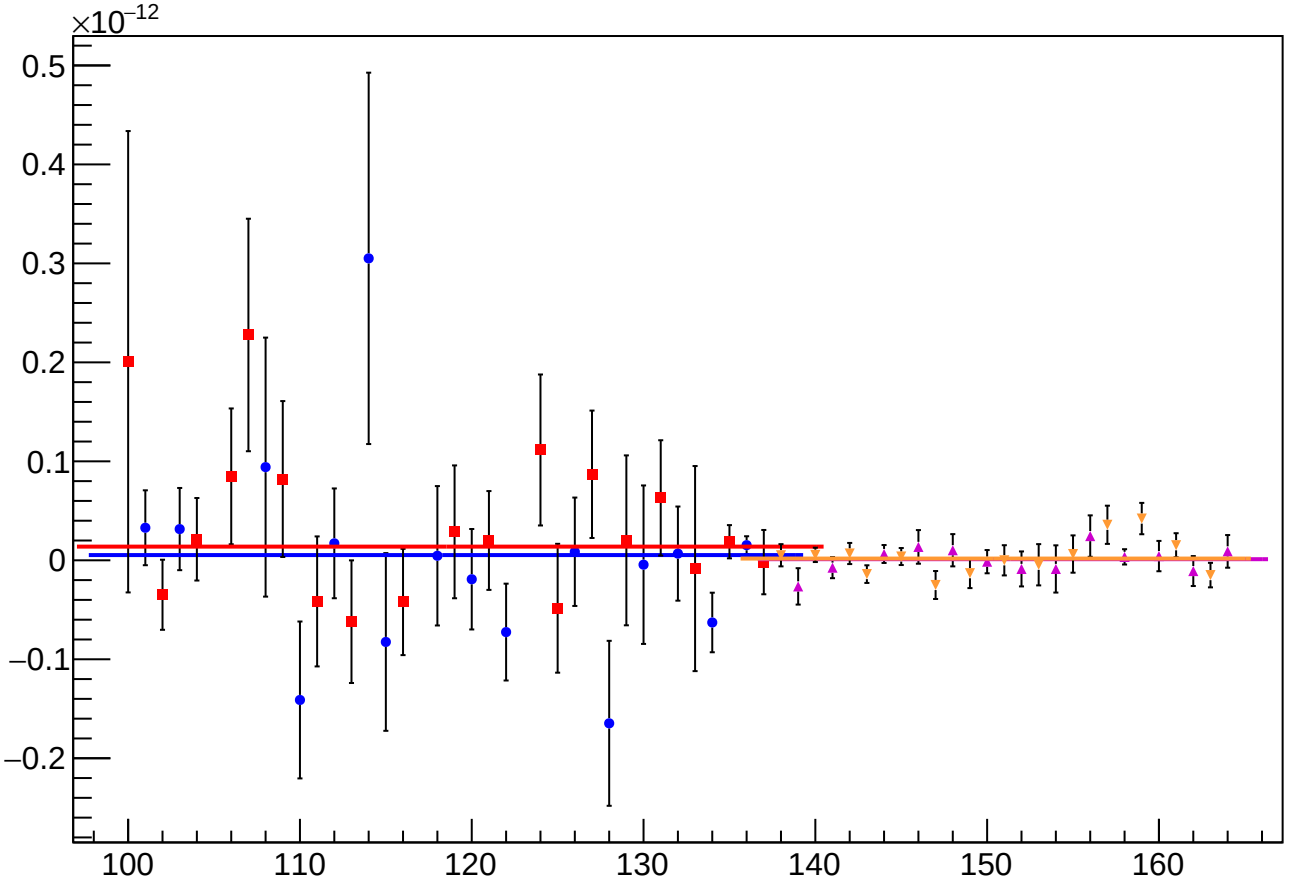
Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

\+ sign 36.868+/-0.007 χ^2/NDF: 2011049.6/29

All: 36.800+/-0.005 χ^2/NDF: 4197503.2/61

\- sign 36.731+/-0.007 χ^2/NDF: 2186243.2/31

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/13

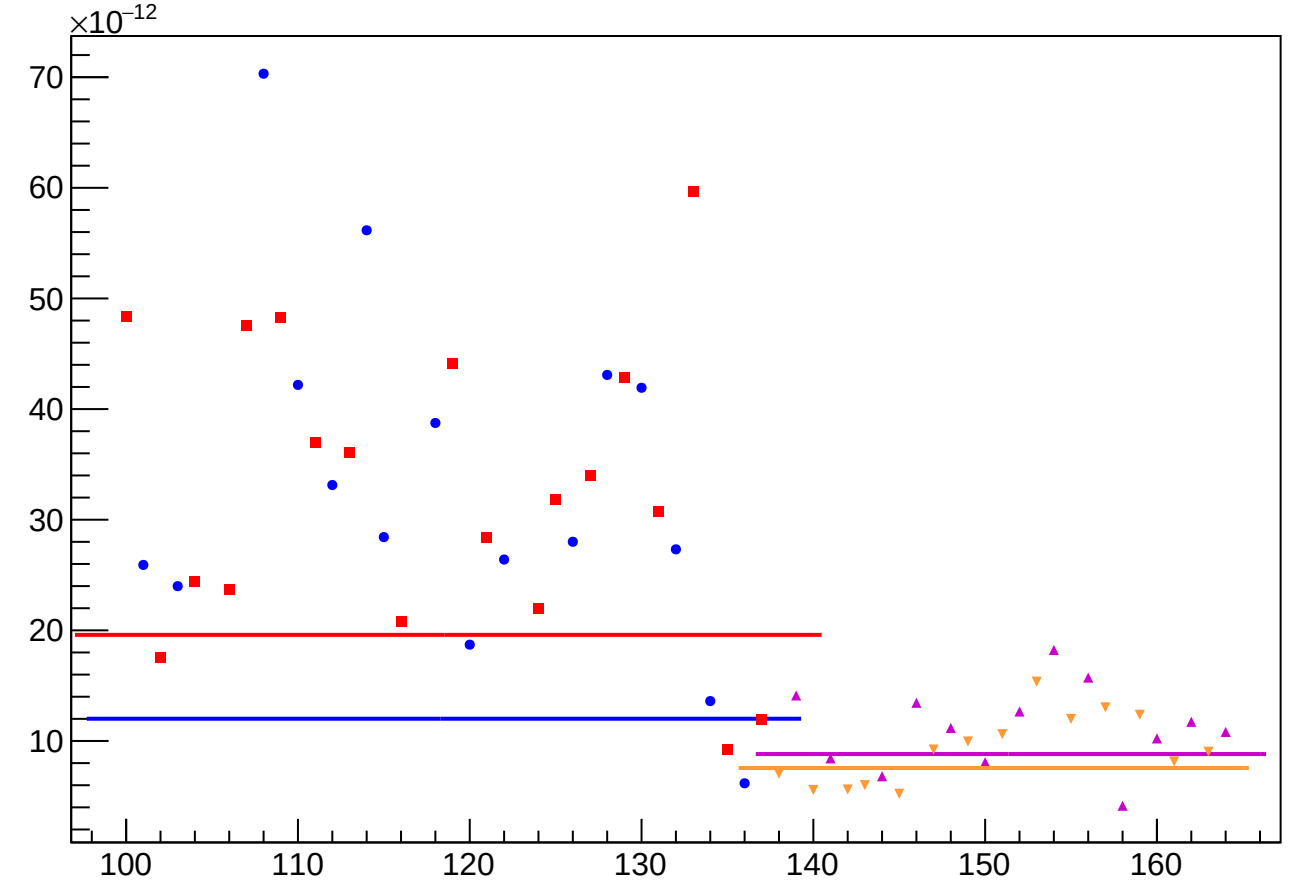
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/29

All: 0.000+/-0.000 χ^2/NDF: 67.1/61

- 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:1358081.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

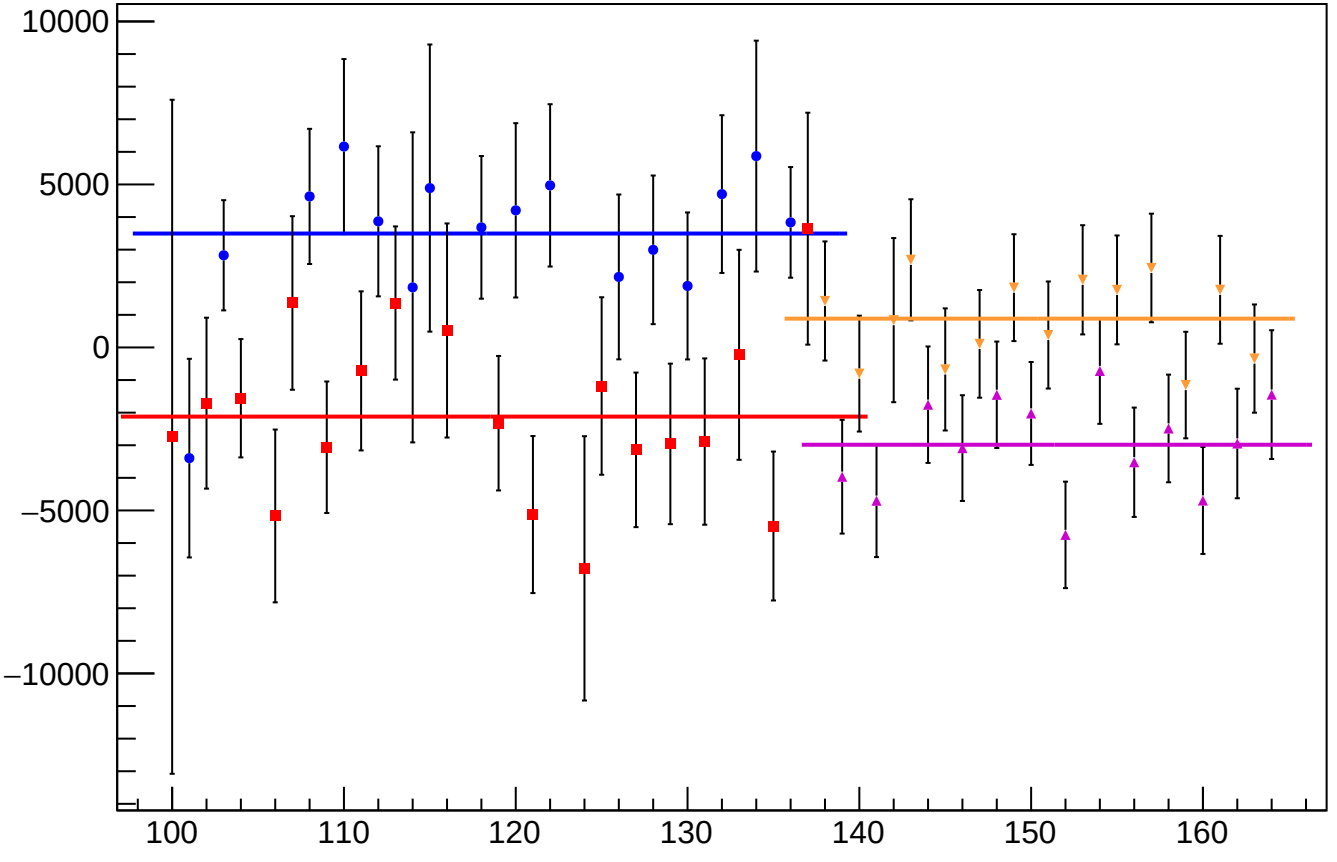
Left In: 0.000+/-0.000 χ^2/NDF:1938960.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5819406.6/29

All: 0.000+/-0.000 χ^2/NDF: 12538917.7/61

- 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: 883.653+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

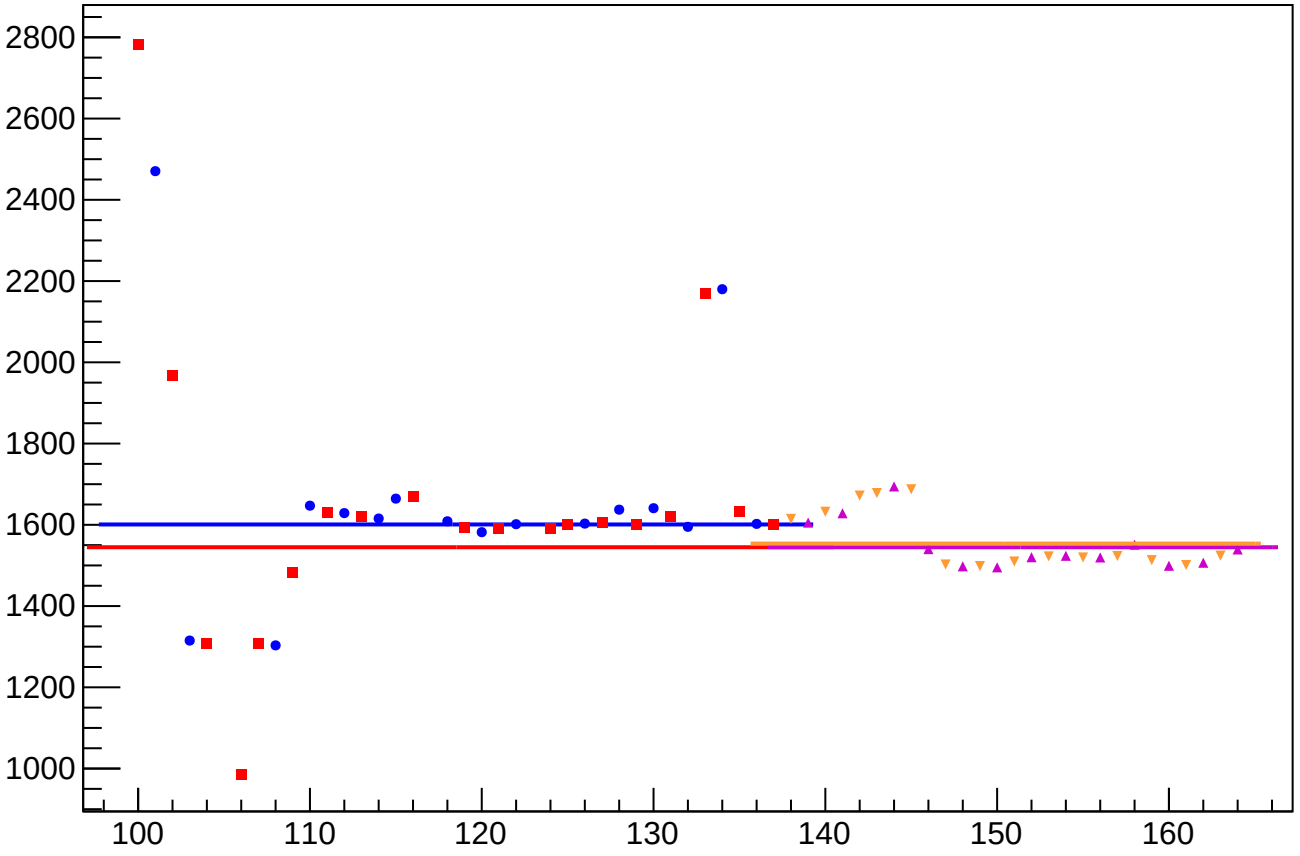
Left In: -2984.783+/-466.697 χ^2/NDF:9.7/12

+ sign 1859.350+/-367.523 χ^2/NDF: 27.9/29

All: -408.512+/-259.145 χ^2/NDF: 129.8/61

- 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: 1553.821+/-0.328 χ^2/NDF:41450.5/13

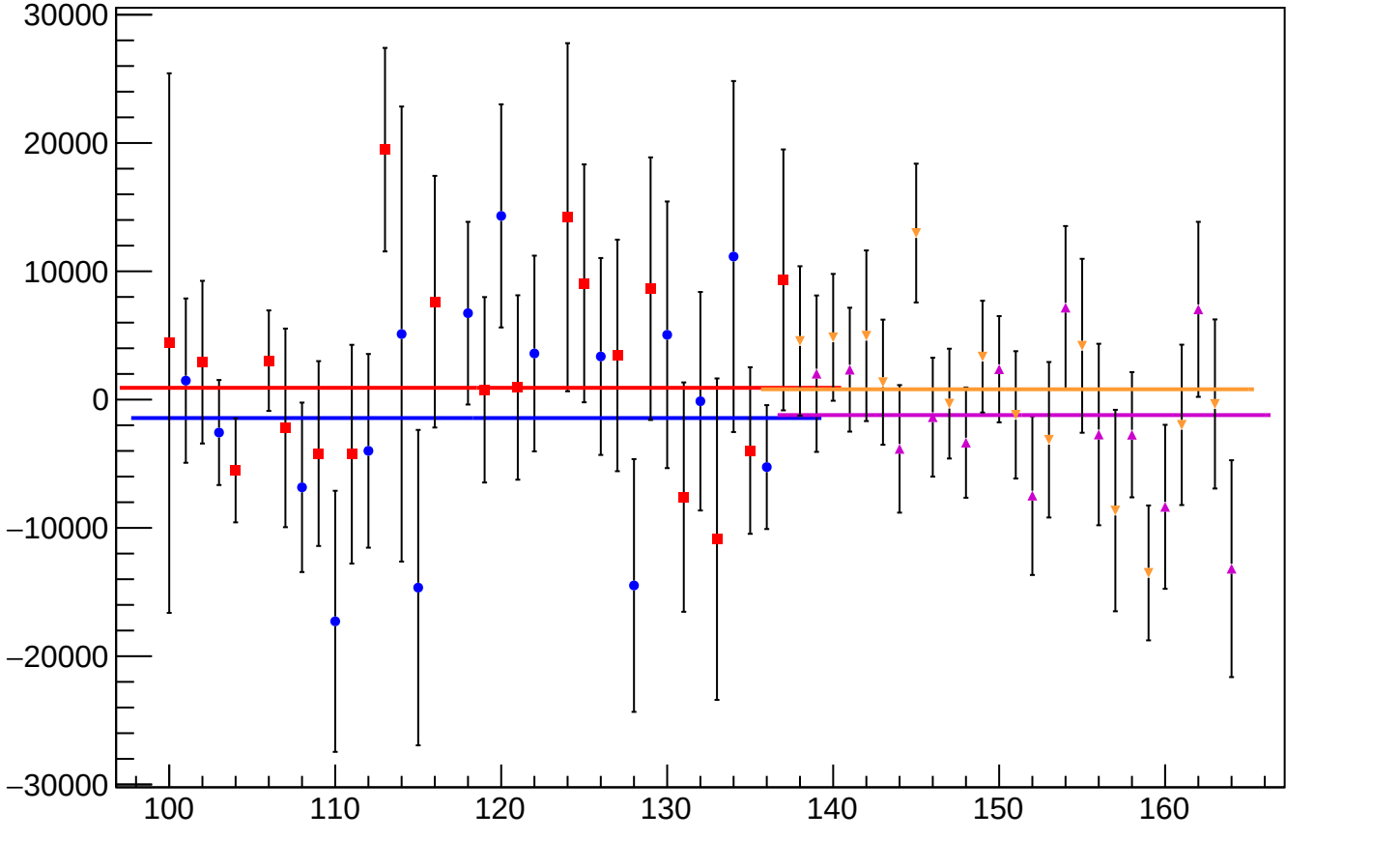
Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1571.408+/-0.260 χ^2/NDF: 366539.1/29

All: 1557.945+/-0.183 χ^2/NDF: 776591.2/61

- sign 1544.806+/-0.257 χ^2/NDF: 404749.0/31



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 805.463+/-1463.047 χ^2/NDF:16.9/13

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

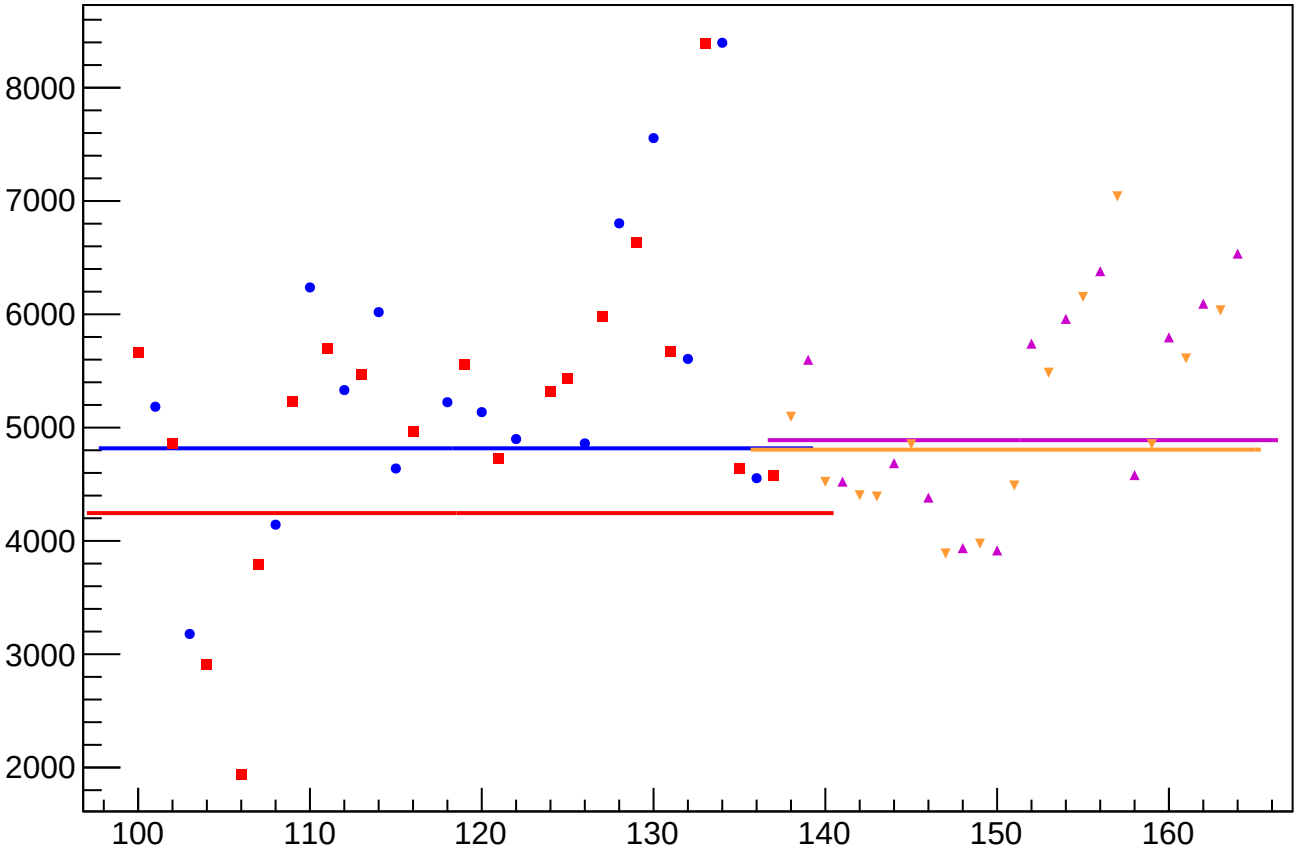
Left In: -1206.835+/-1503.745 χ^2/NDF:9.7/12

+ sign -58.410+/-1147.150 χ^2/NDF: 31.7/29

All: -159.171+/-800.381 χ^2/NDF: 57.6/61

- 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: 4805.763+/-1.035 χ^2/NDF:575318.3/13

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

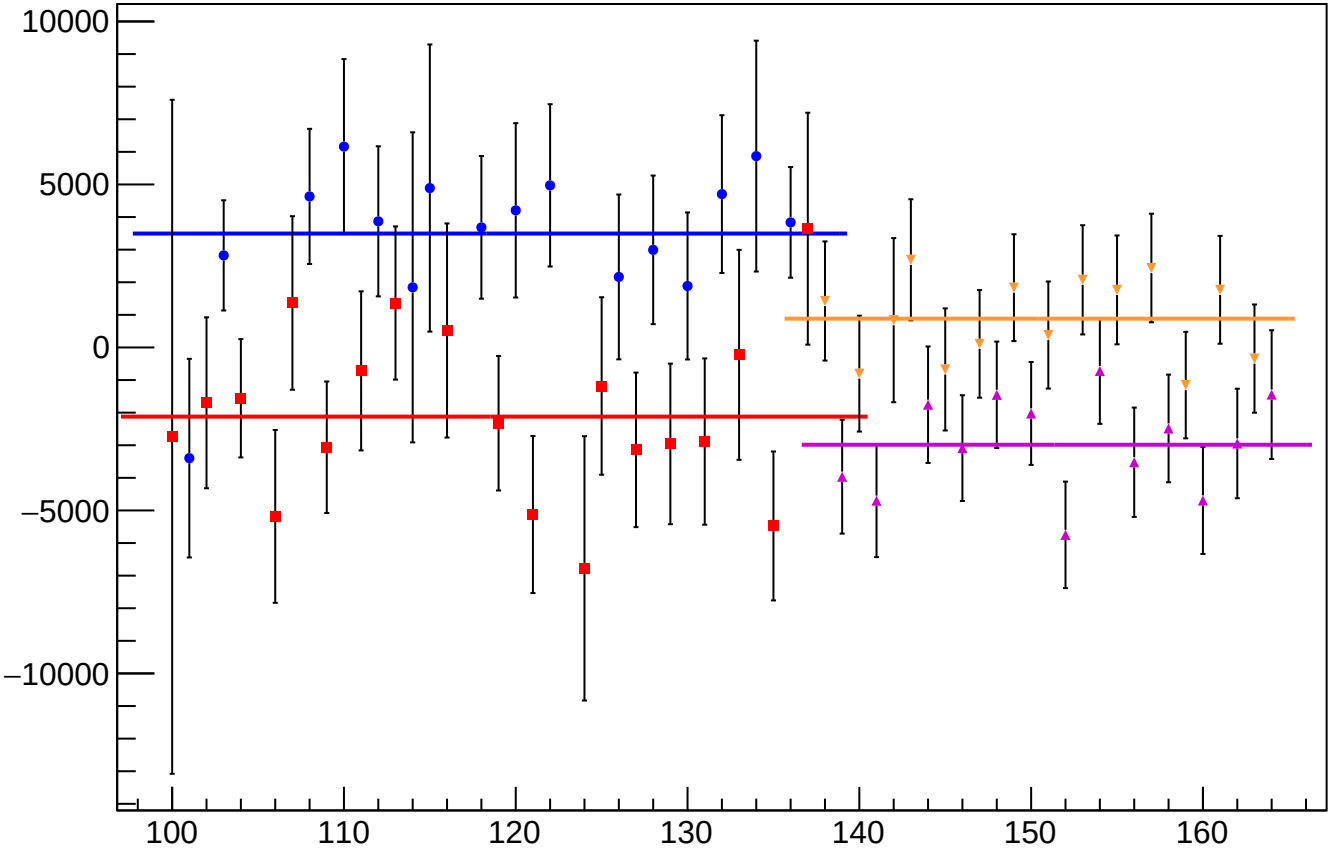
Left In: 4889.302+/-1.063 χ^2/NDF:644931.3/12

+ sign 4810.224+/-0.811 χ^2/NDF: 1370797.7/29

All: 4702.805+/-0.566 χ^2/NDF: 3897267.4/61

- 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: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

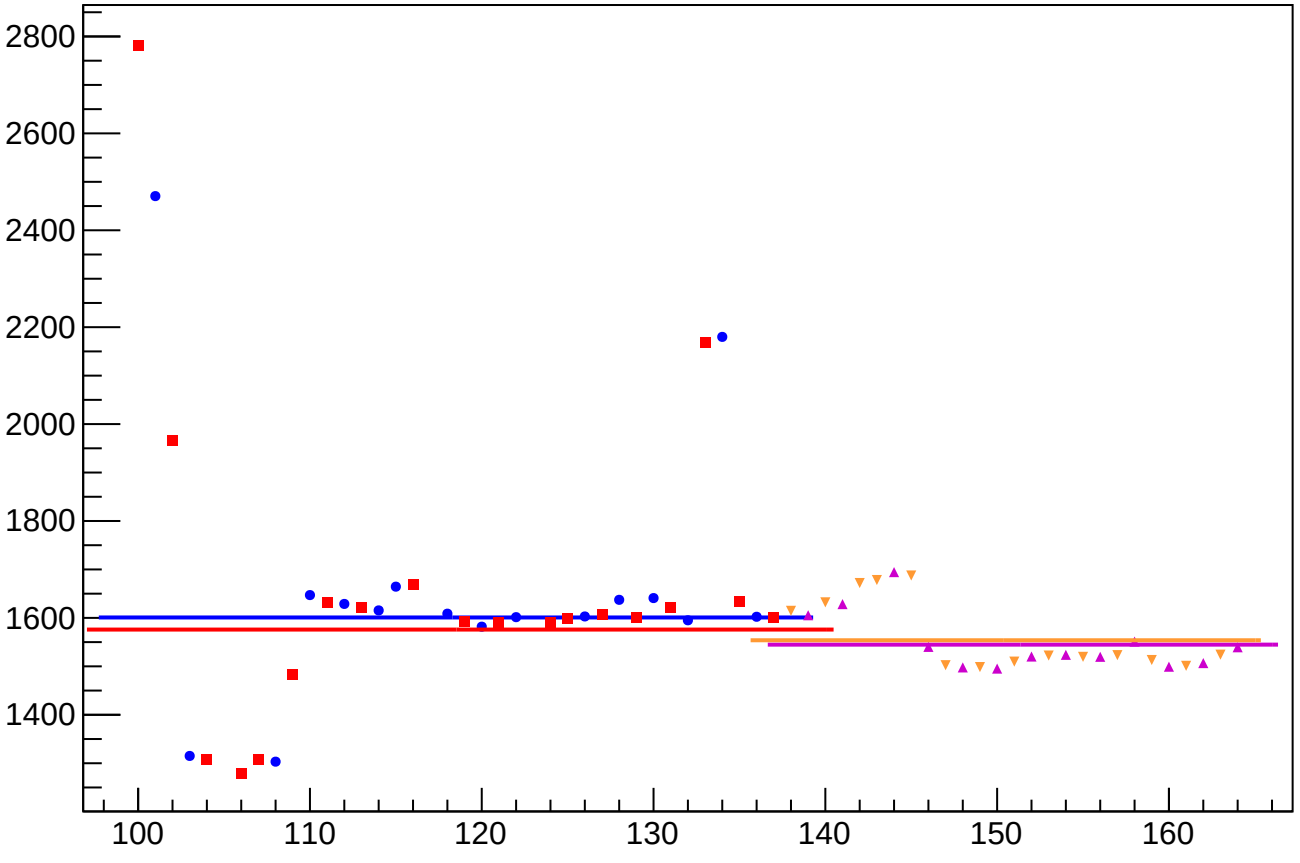
Left In: -2984.790+/-466.697 χ^2/NDF:9.7/12

+ sign 1859.106+/-367.523 χ^2/NDF: 27.9/29

All: -408.630+/-259.145 χ^2/NDF: 129.8/61

- 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: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

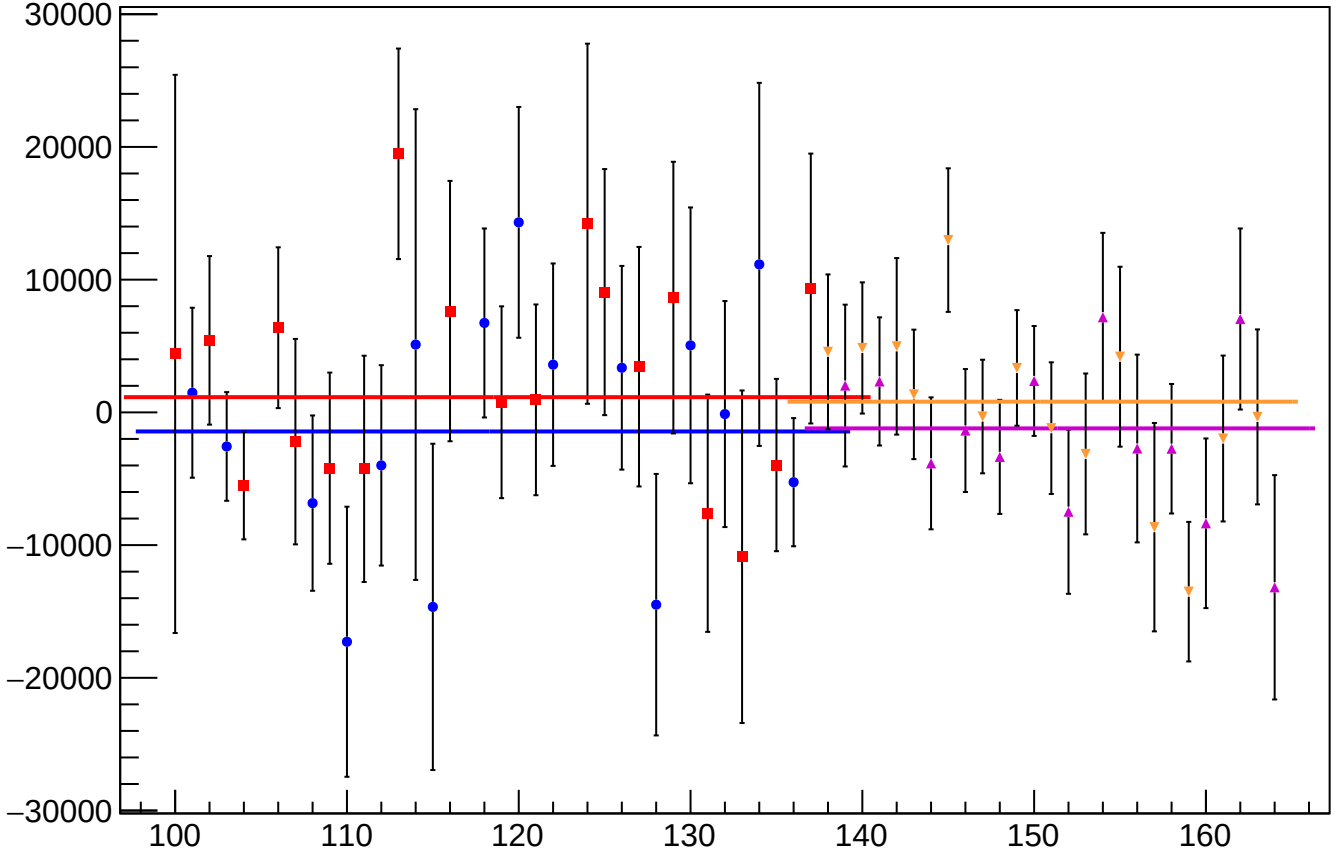
Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1571.408+/-0.260 χ^2/NDF: 366538.4/29

All: 1564.097+/-0.183 χ^2/NDF: 643514.7/61

- 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: 805.419+/-1463.044 χ^2/NDF:16.9/13

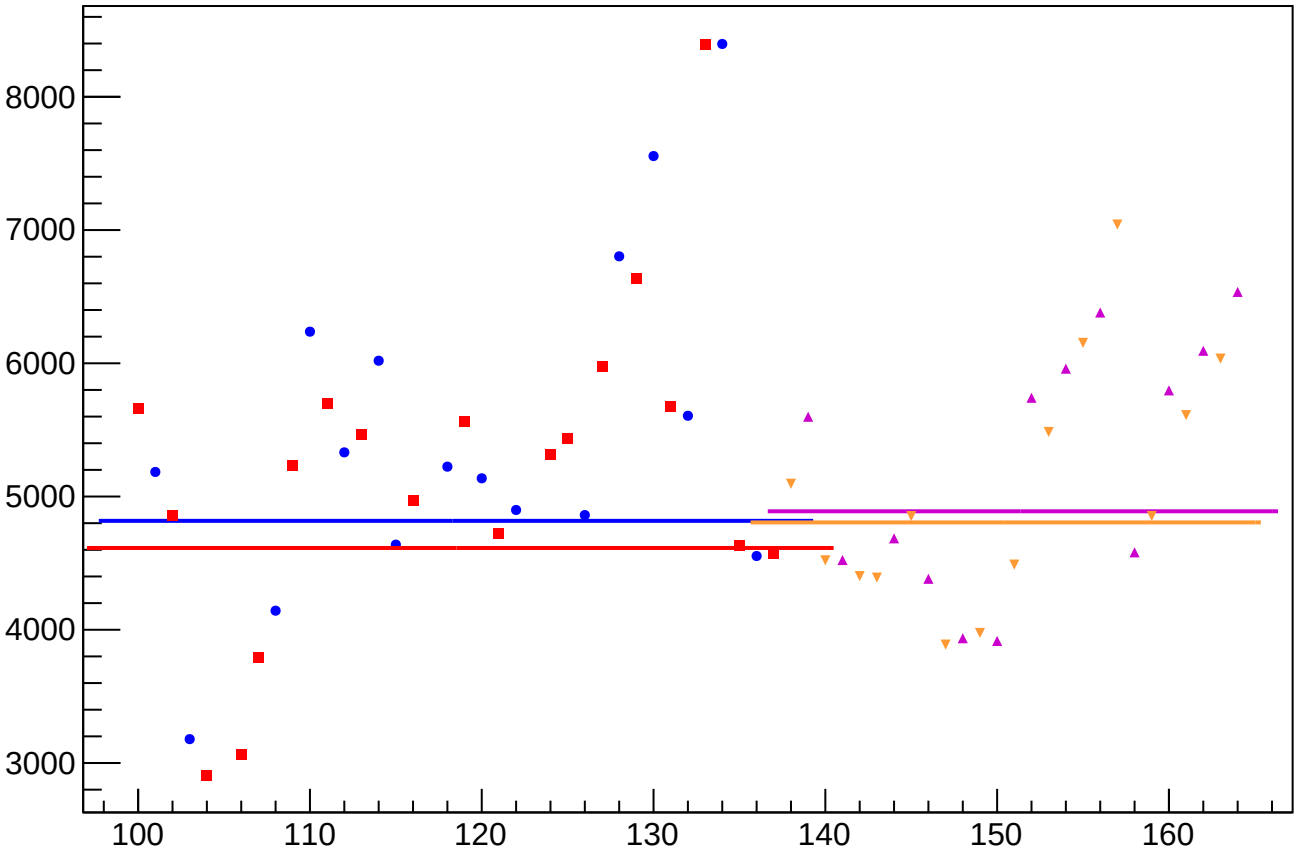
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1206.945+/-1503.745 χ^2/NDF:9.7/12

\+ sign -58.508+/-1147.158 χ^2/NDF: 31.7/29

All: -138.178+/-810.310 χ^2/NDF: 58.7/61

\- 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: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

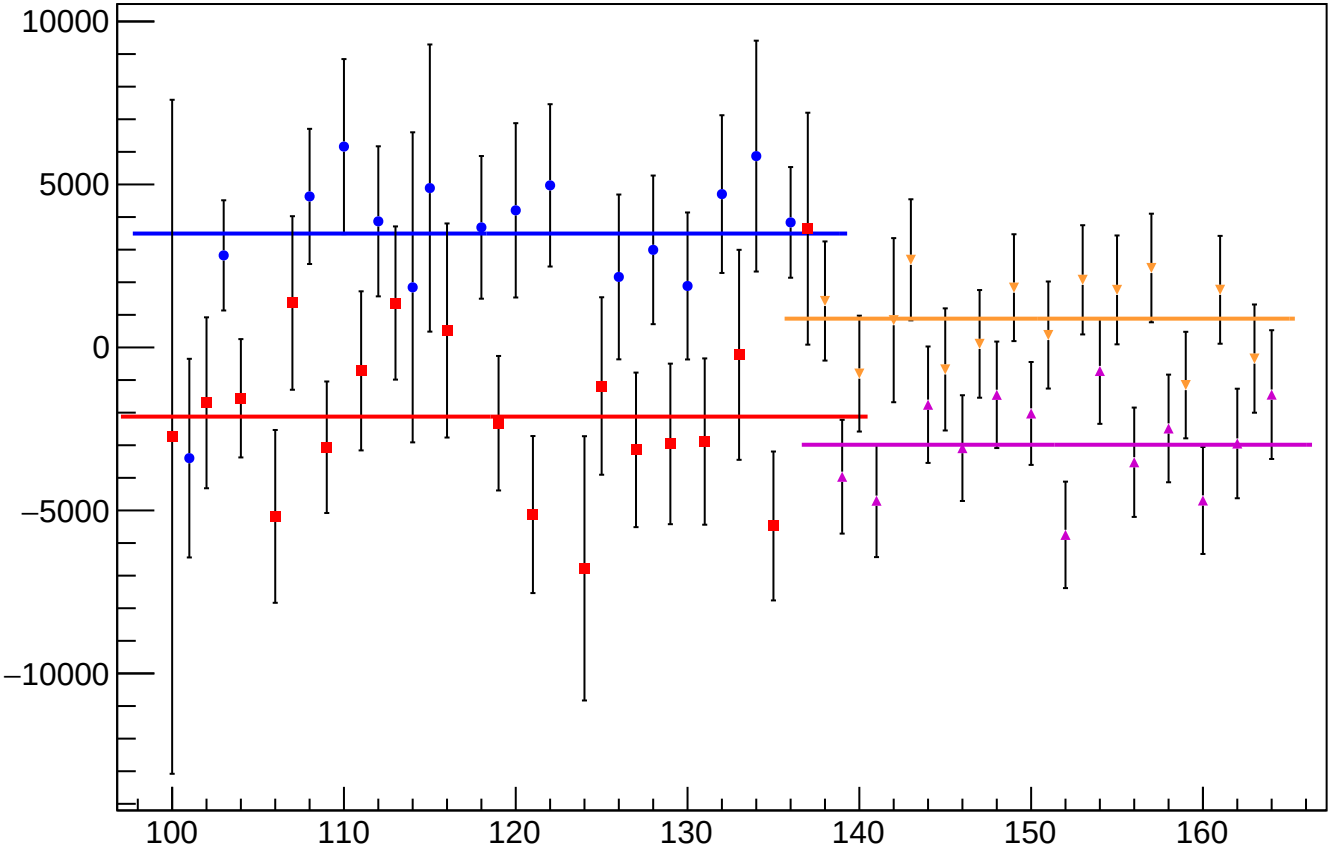
Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

+ sign 4810.270+/-0.811 χ^2/NDF: 1370609.8/29

All: 4791.837+/-0.573 χ^2/NDF: 3022749.0/61

- 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: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

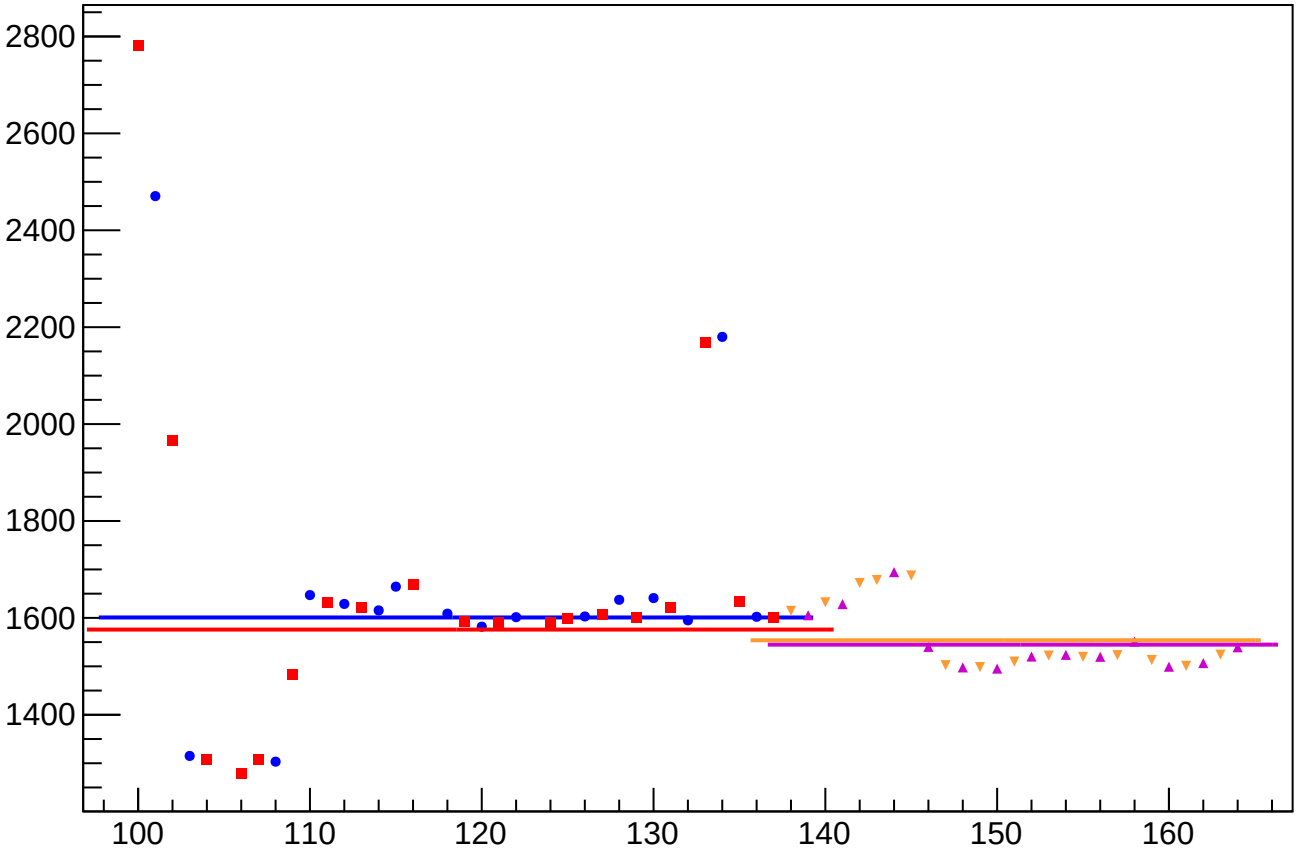
Left In: -2984.790+/-466.697 χ^2/NDF:9.7/12

+ sign 1859.106+/-367.523 χ^2/NDF: 27.9/29

All: -408.630+/-259.145 χ^2/NDF: 129.8/61

- 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: 1553.821+/-0.328 χ^2/NDF:41450.5/13

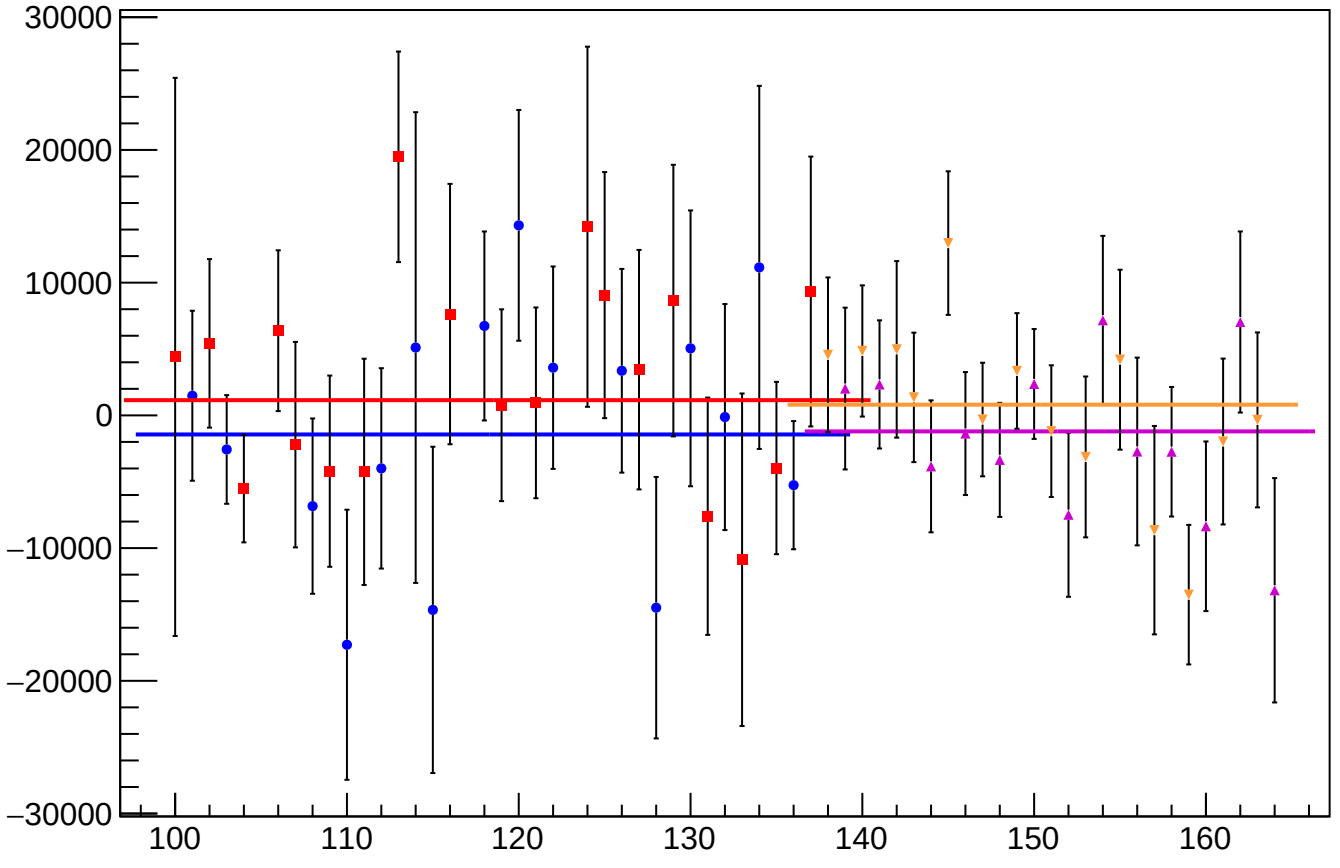
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1571.408+/-0.260 χ^2/NDF: 366538.4/29

All: 1564.097+/-0.183 χ^2/NDF: 643514.7/61

- 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: 805.419+/-1463.044 χ^2/NDF:16.9/13

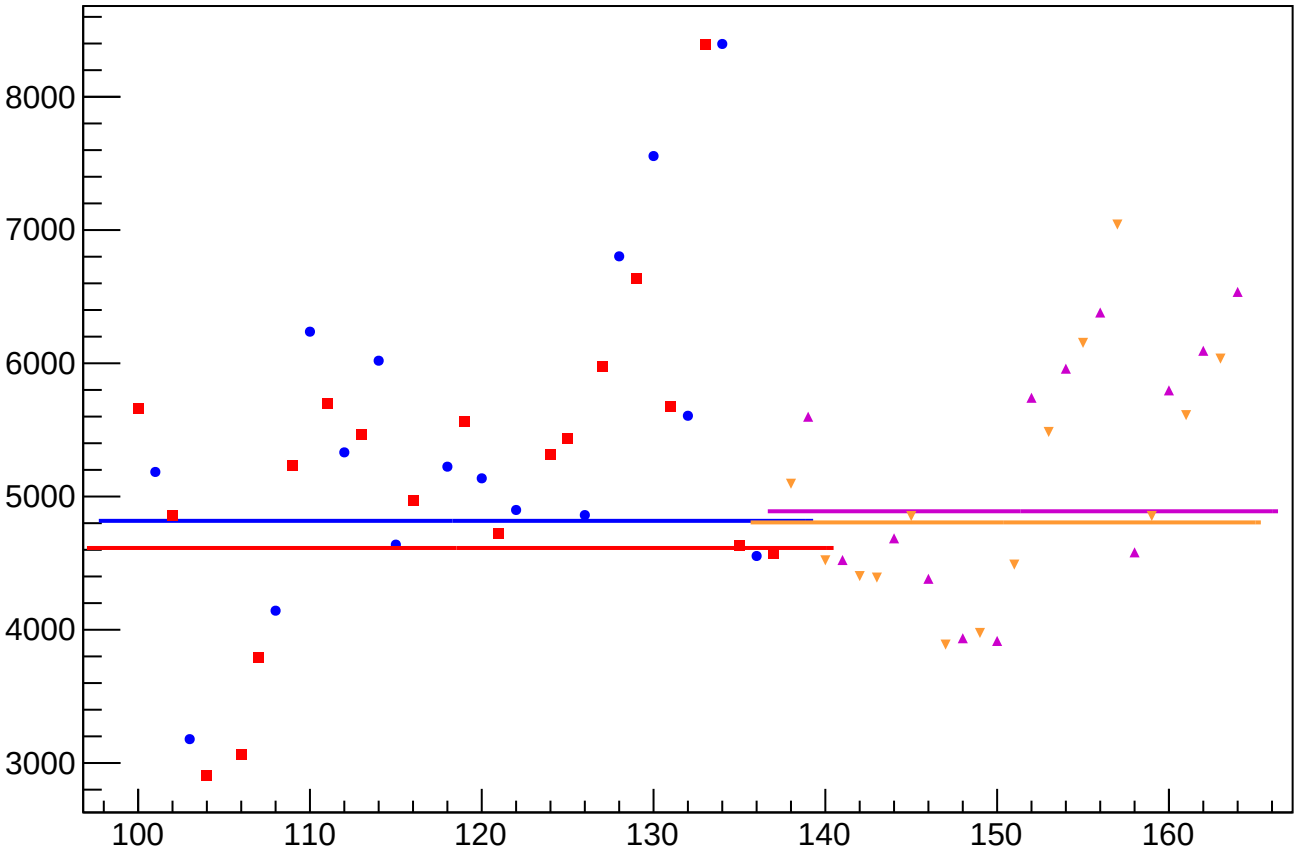
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1206.945+/-1503.745 χ^2/NDF:9.7/12

+ sign -58.508+/-1147.158 χ^2/NDF: 31.7/29

All: -138.178+/-810.310 χ^2/NDF: 58.7/61

- 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: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

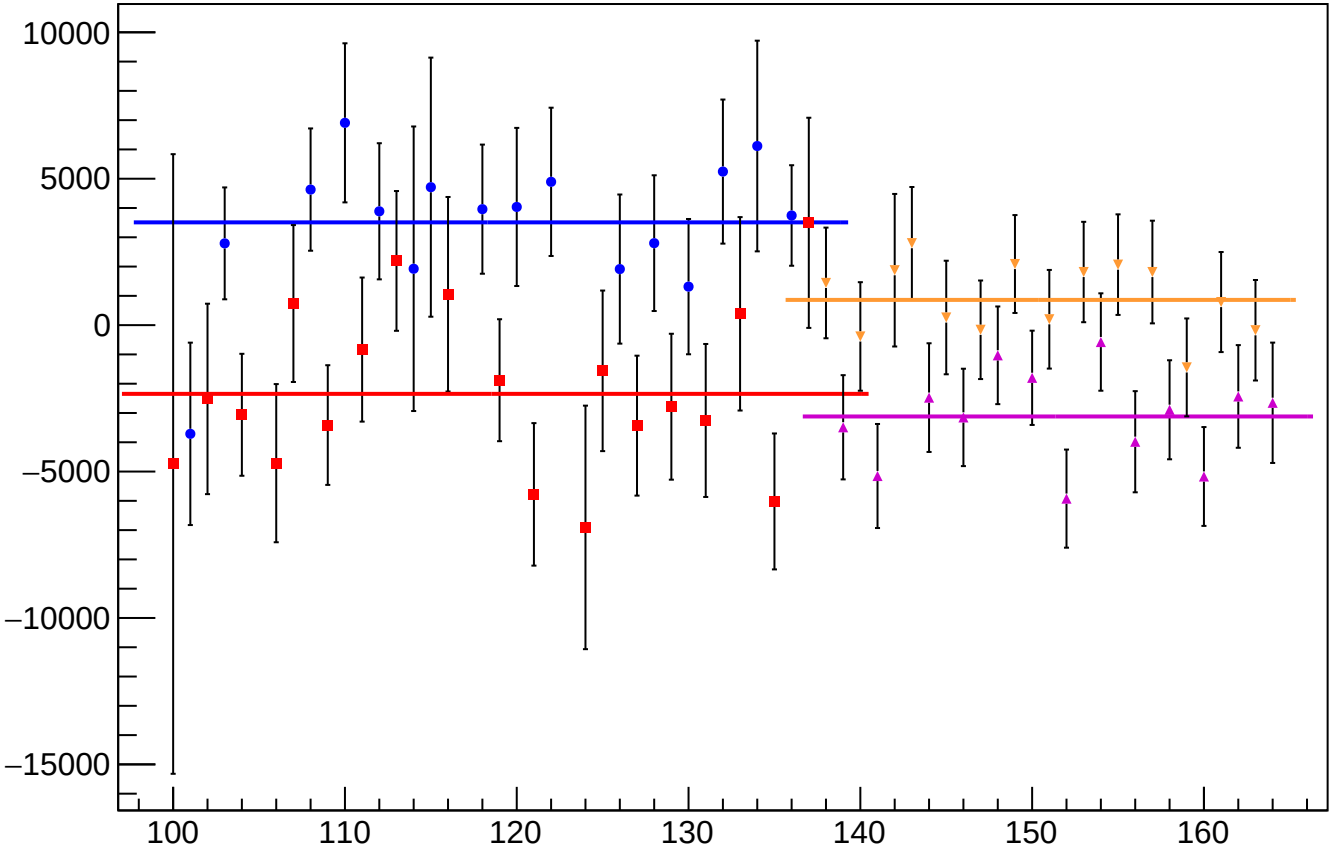
Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

+ sign 4810.270+/-0.811 χ^2/NDF: 1370609.8/29

All: 4791.837+/-0.573 χ^2/NDF: 3022749.0/61

- 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: 861.901+/-478.661 χ^2/NDF:6.2/13

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

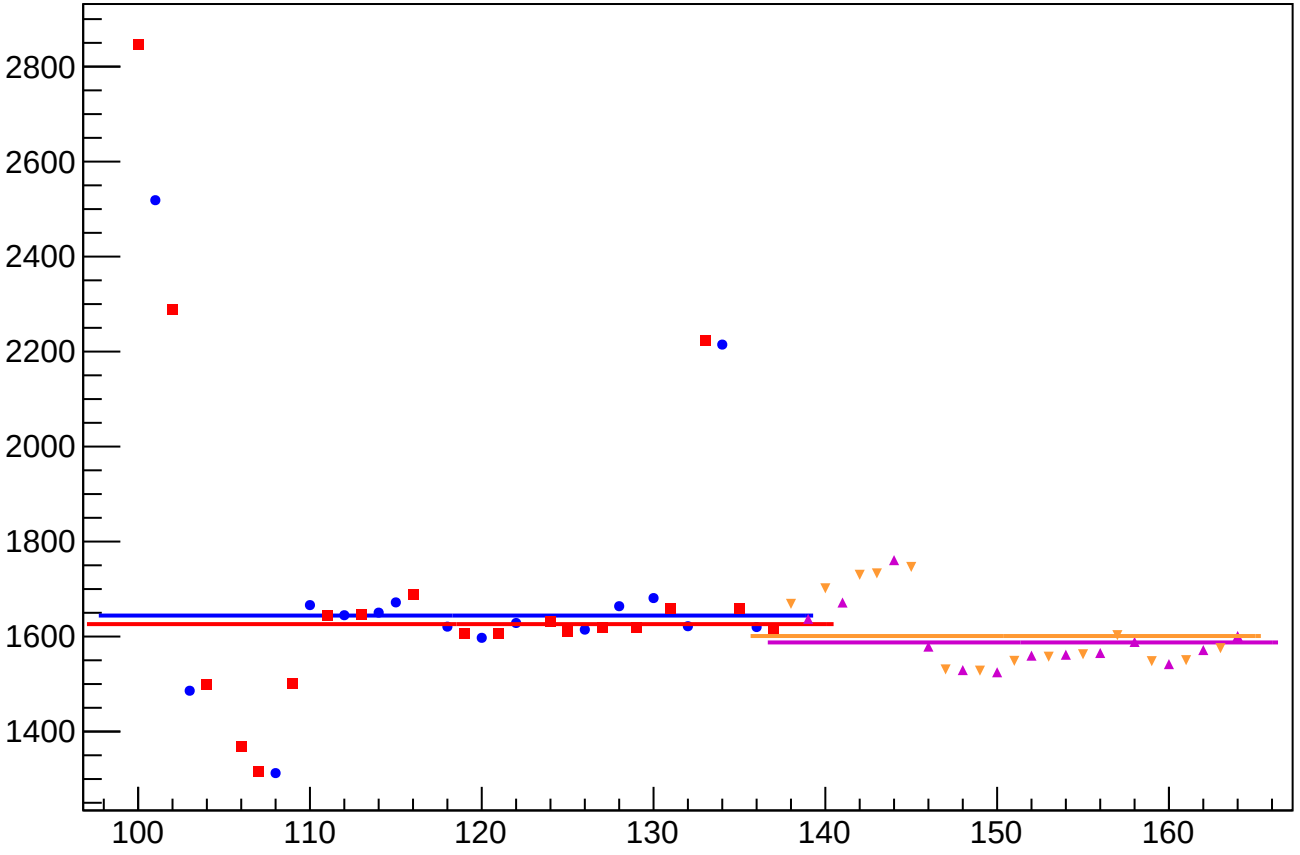
Left In: -3118.860+/-479.693 χ^2/NDF:10.8/12

+ sign 1857.216+/-378.133 χ^2/NDF: 28.1/29

All: -492.850+/-266.793 χ^2/NDF: 133.9/61

- 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: 1601.104+/-0.338 χ^2/NDF:49795.6/13

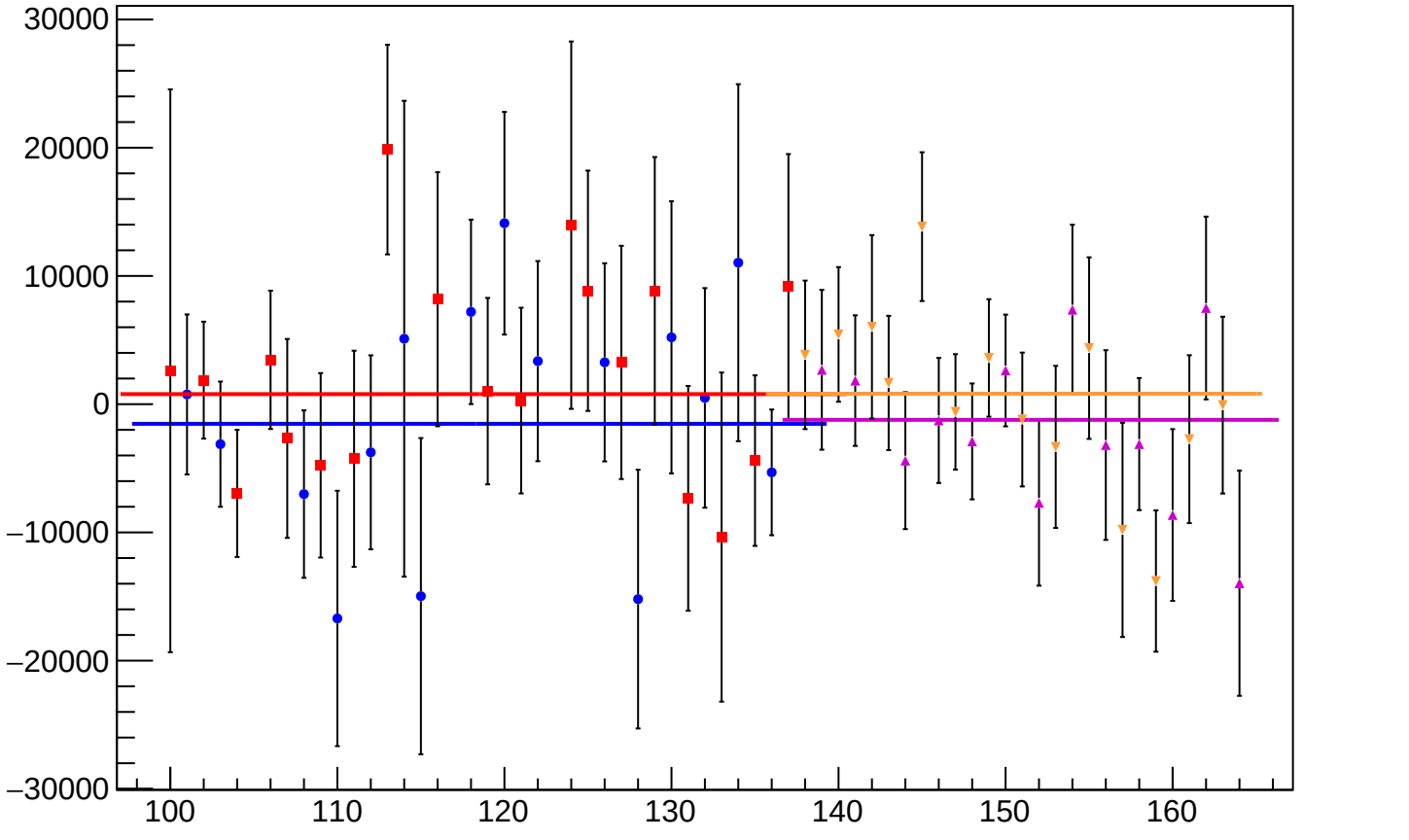
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1587.599+/-0.339 χ^2/NDF:32083.5/12

+ sign 1617.305+/-0.267 χ^2/NDF: 330707.7/29

All: 1609.832+/-0.189 χ^2/NDF: 606957.5/61

- 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: 815.341+/-1538.968 χ^2/NDF:16.9/13

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

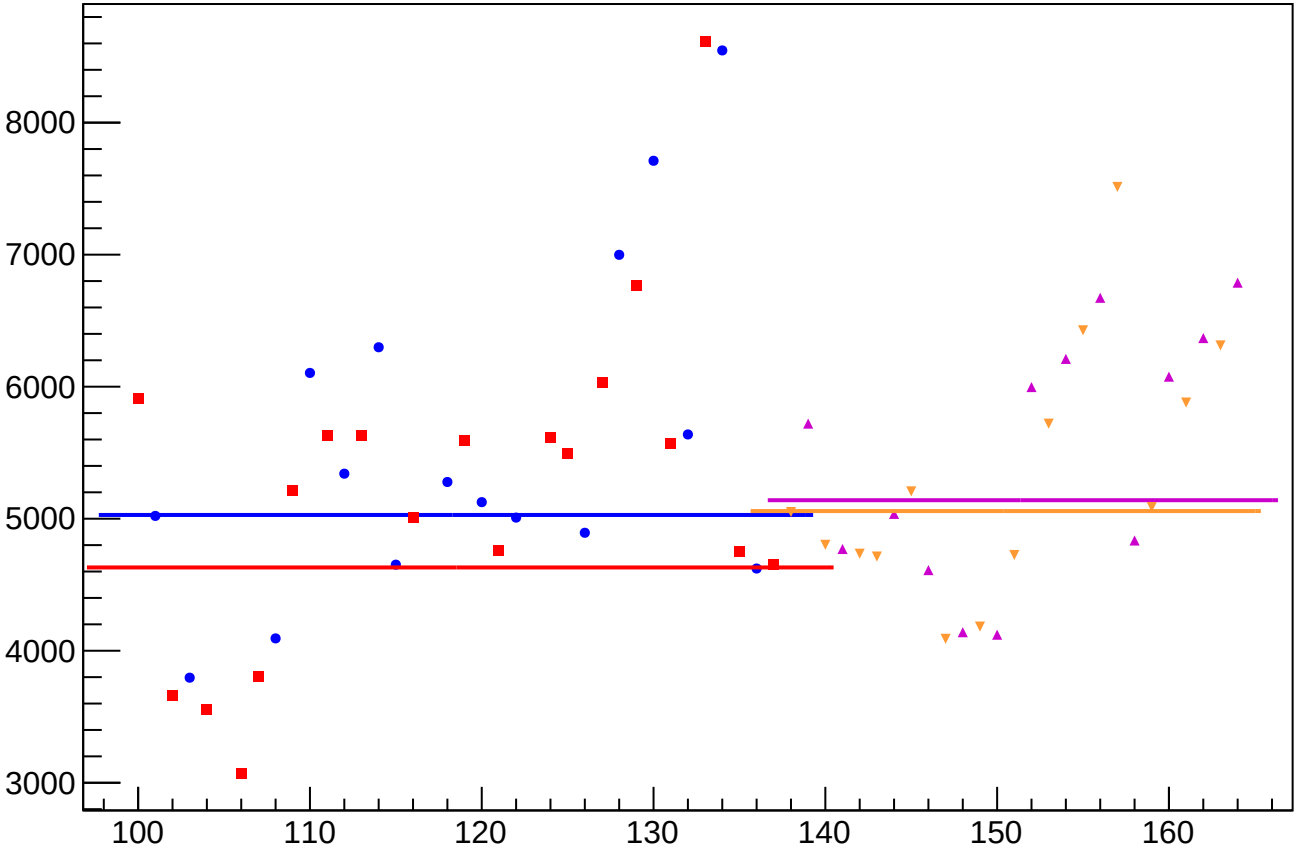
Left In: -1221.646+/-1579.598 χ^2/NDF:9.7/12

+ sign -106.515+/-1199.305 χ^2/NDF: 31.7/29

All: -215.846+/-838.268 χ^2/NDF: 57.2/61

- 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: 5057.907+/-1.088 χ^2/NDF:559603.1/13

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

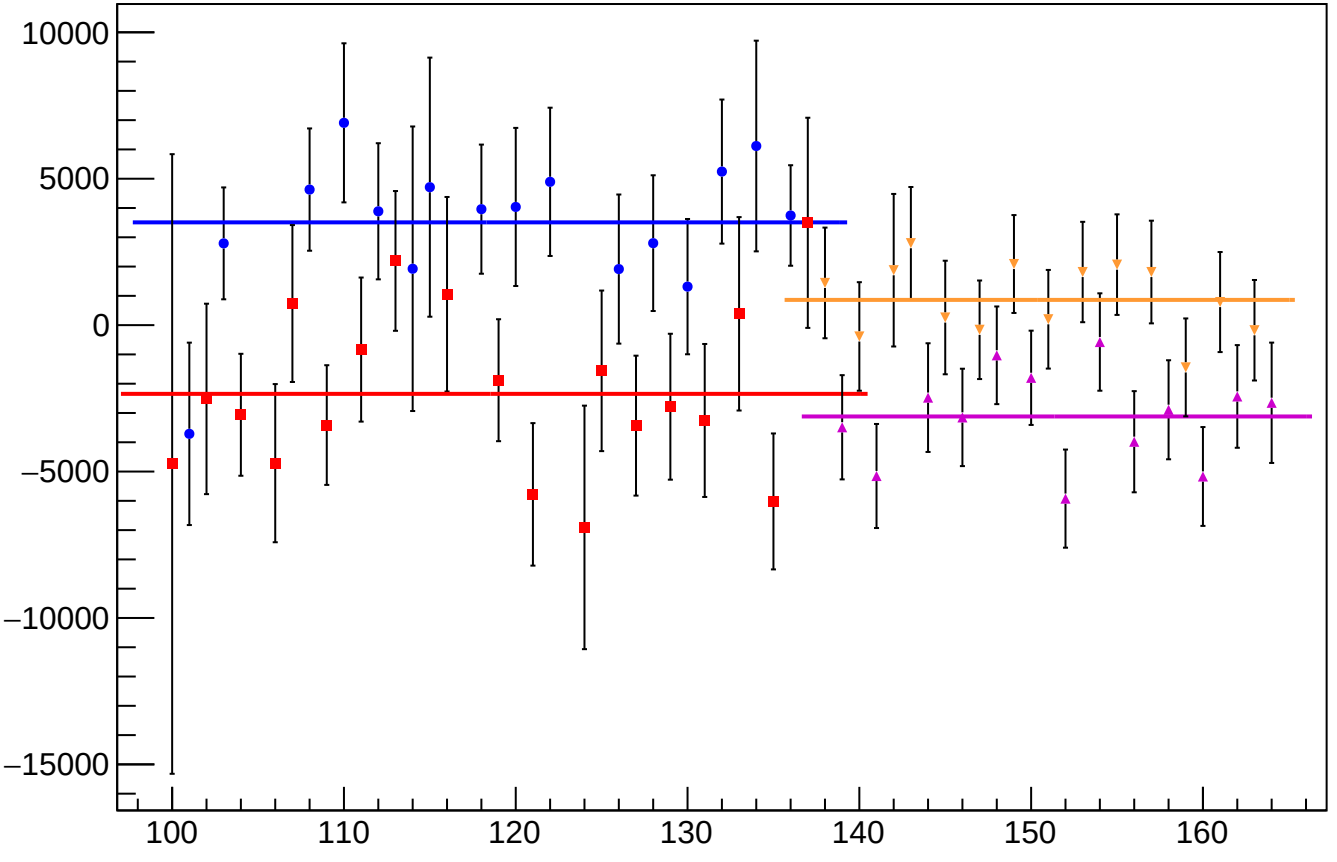
Left In: 5140.196+/-1.117 χ^2/NDF:608638.2/12

+ sign 5046.339+/-0.848 χ^2/NDF: 1125360.2/29

All: 4977.292+/-0.593 χ^2/NDF: 2703901.3/61

- 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: 861.889+/-478.661 χ^2/NDF:6.2/13

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

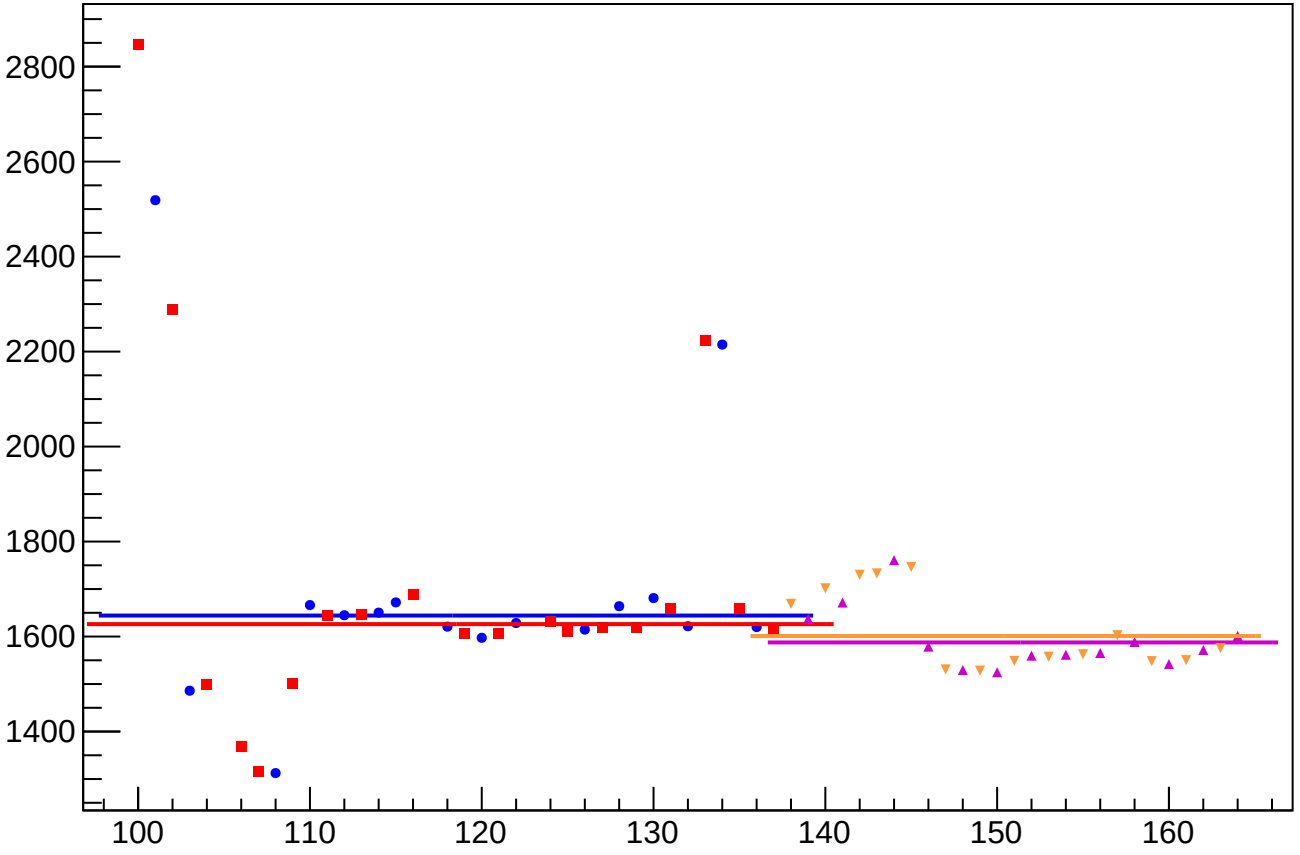
Left In: -3118.864+/-479.694 χ^2/NDF:10.8/12

+ sign 1857.210+/-378.133 χ^2/NDF: 28.1/29

All: -492.854+/-266.793 χ^2/NDF: 133.9/61

- 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: 1601.106+/-0.338 χ^2/NDF:49795.5/13

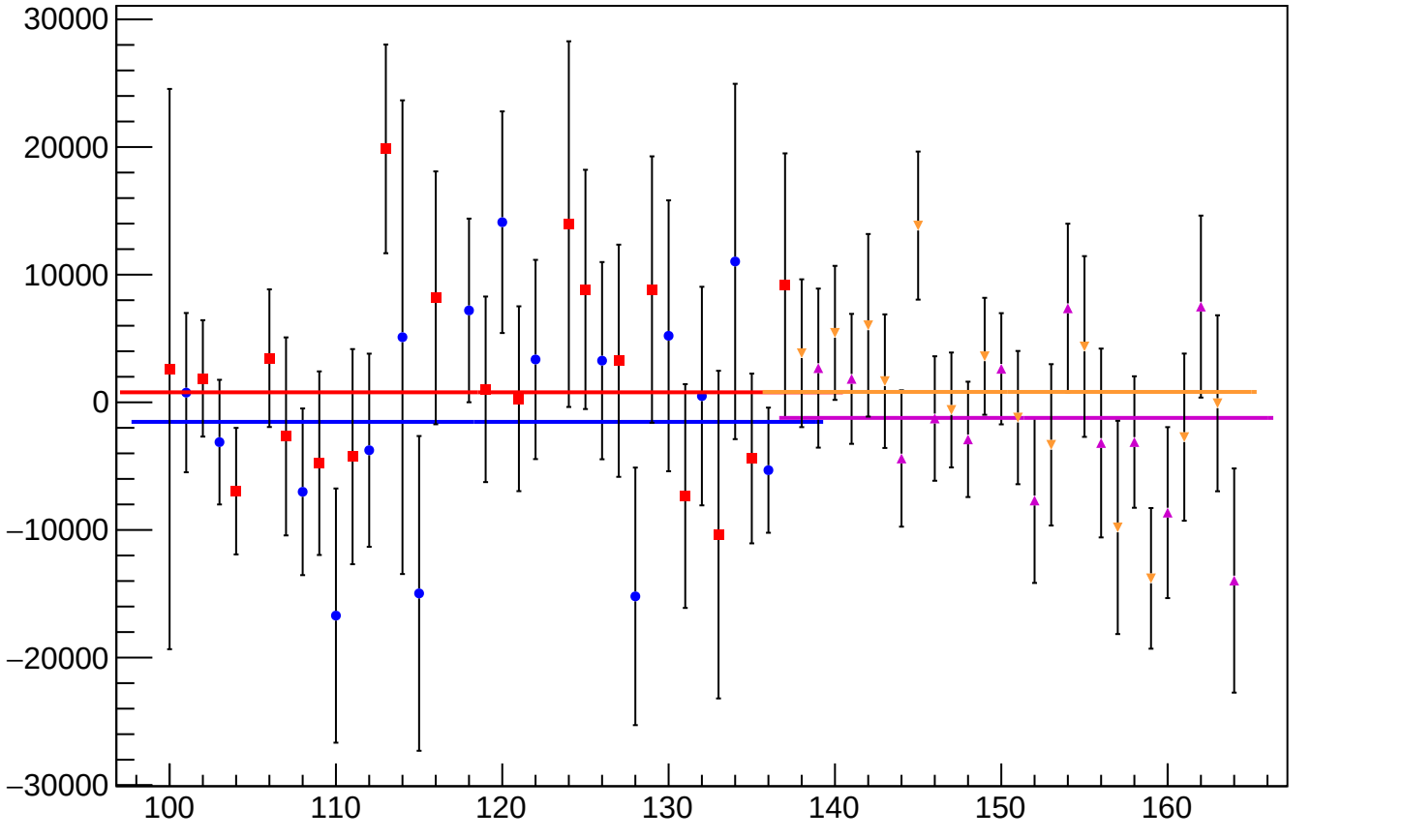
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1587.601+/-0.339 χ^2/NDF:32083.4/12

\+ sign 1617.305+/-0.267 χ^2/NDF: 330707.2/29

All: 1609.833+/-0.189 χ^2/NDF: 606956.1/61

\- 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: 815.336+/-1538.971 χ^2/NDF:16.9/13

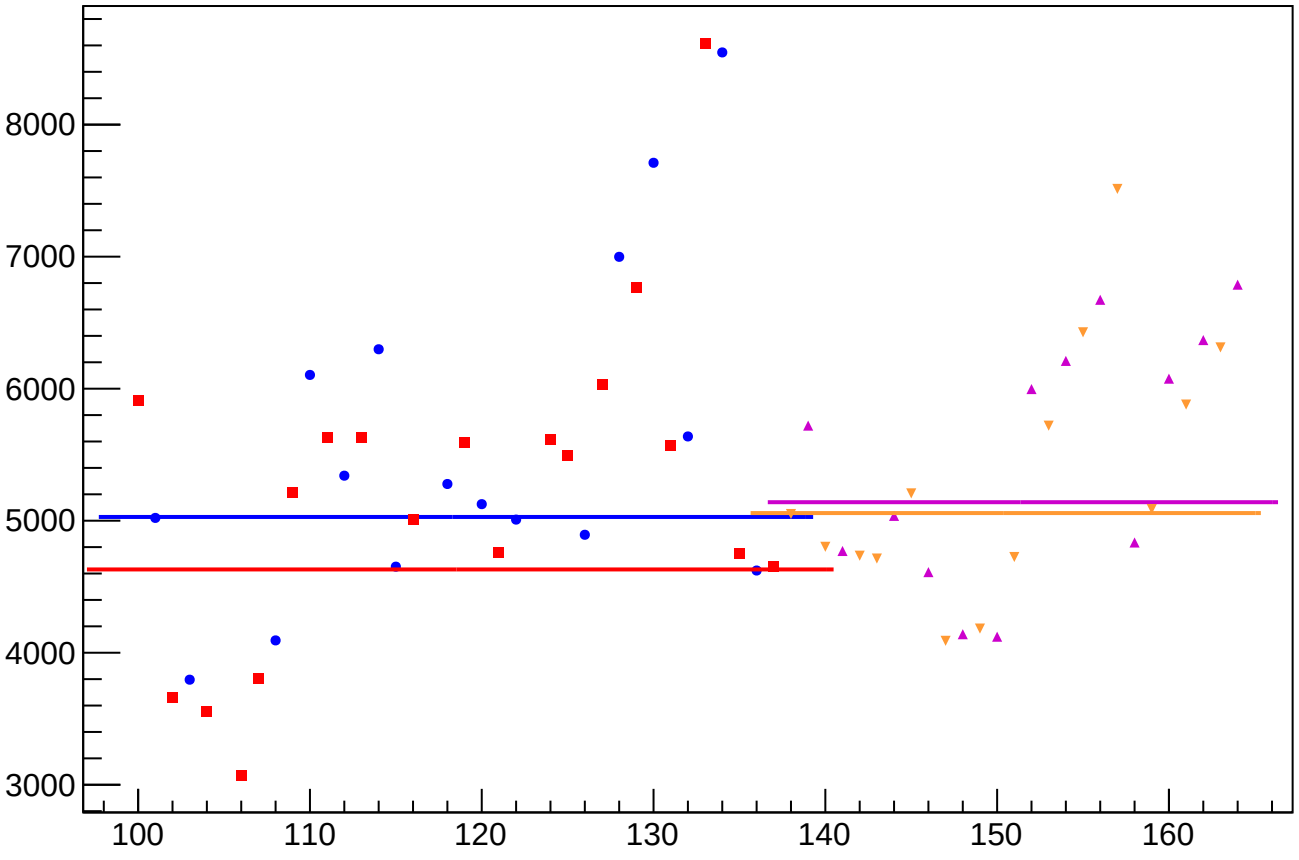
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1221.645+/-1579.601 χ^2/NDF:9.7/12

+ sign -106.515+/-1199.305 χ^2/NDF: 31.7/29

All: -215.844+/-838.268 χ^2/NDF: 57.2/61

- 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: 5057.915+/-1.088 χ^2/NDF:559603.9/13

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

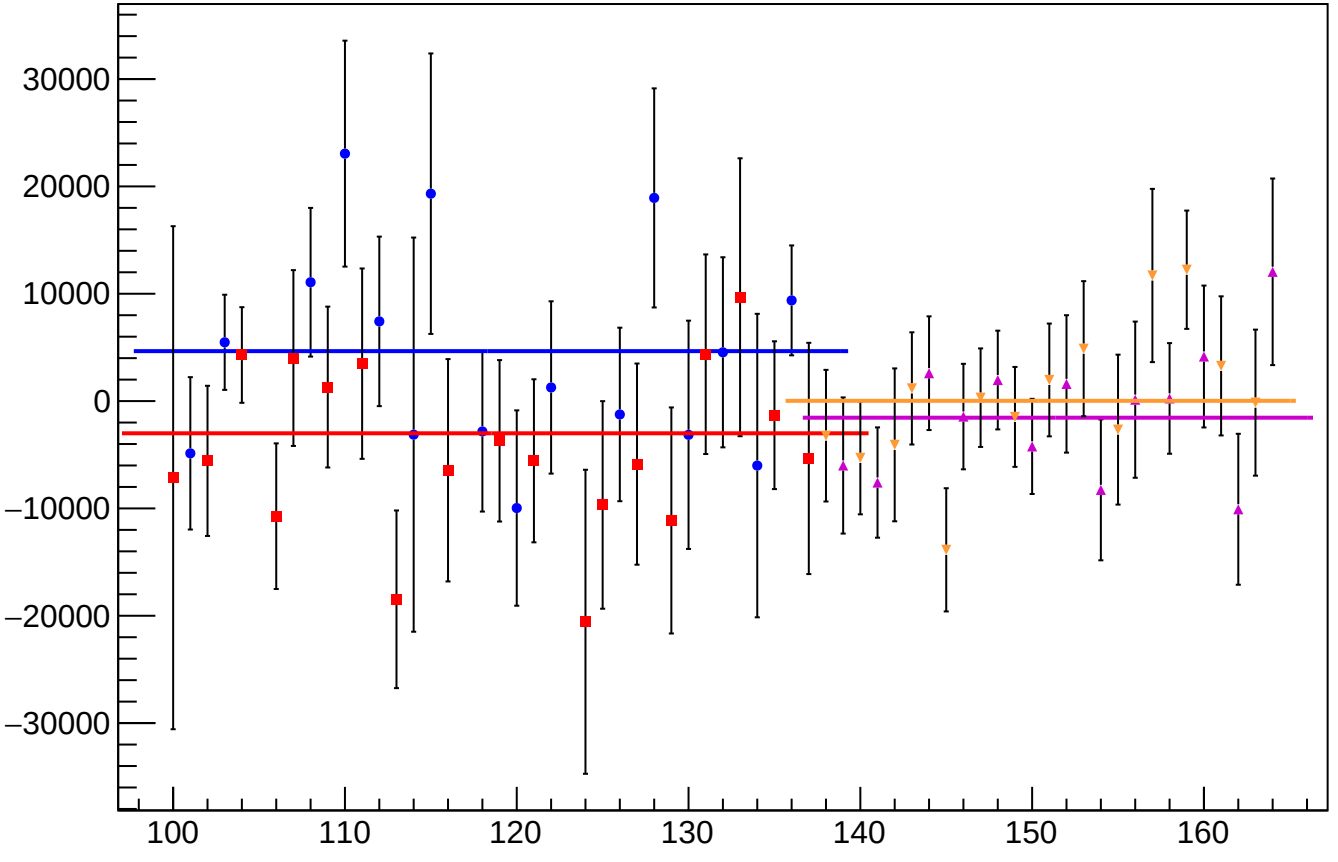
Left In: 5140.204+/-1.117 χ^2/NDF:608639.0/12

+ sign 5046.341+/-0.848 χ^2/NDF: 1125355.0/29

All: 4977.294+/-0.593 χ^2/NDF: 2703896.6/61

- 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: 23.047+/-1545.409 χ^2/NDF:15.8/13

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

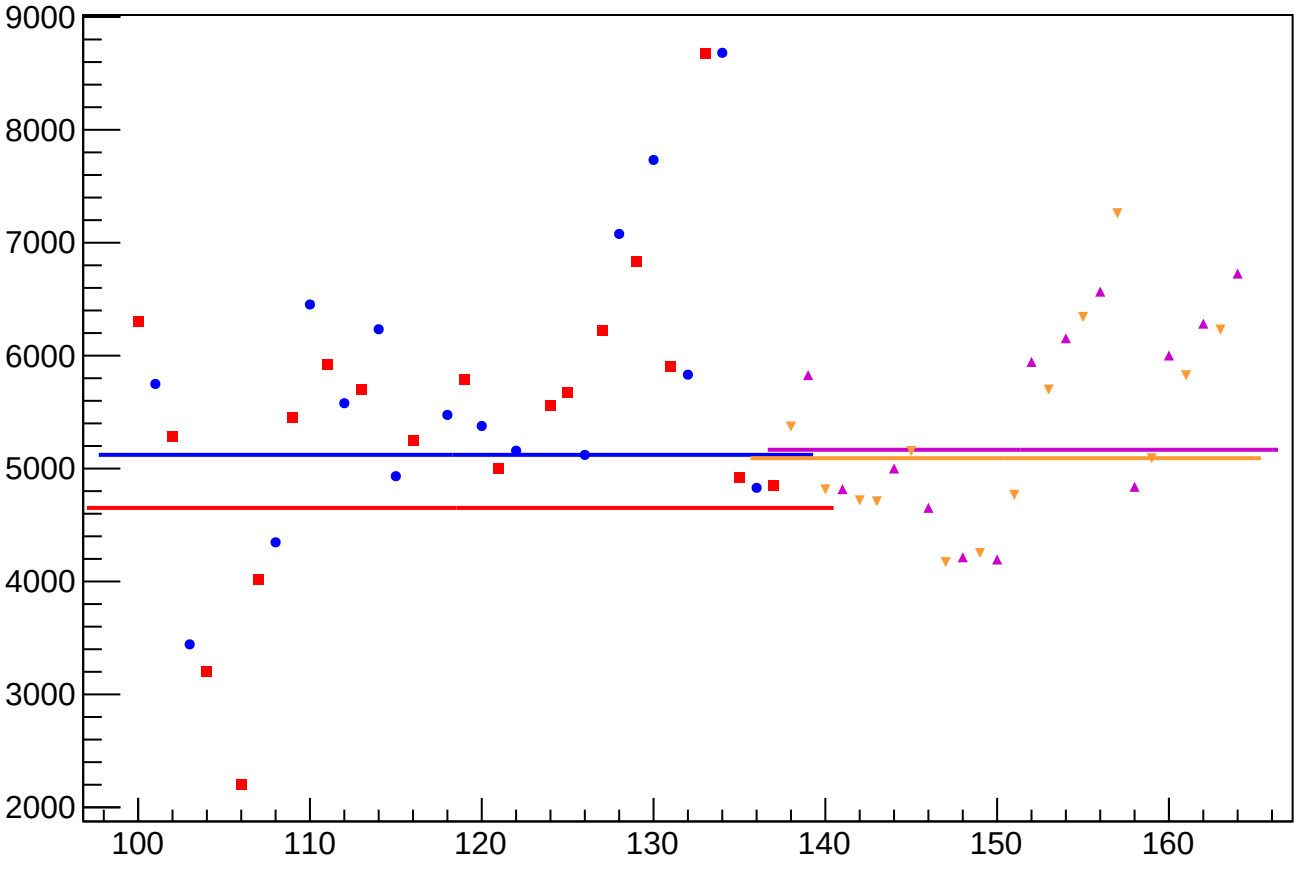
Left In: -1547.710+/-1584.201 χ^2/NDF:9.6/12

+ sign 1799.718+/-1213.197 χ^2/NDF: 34.7/29

All: -176.819+/-857.506 χ^2/NDF: 63.8/61

- 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: 5092.041+/-1.093 χ^2/NDF:488257.4/13

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

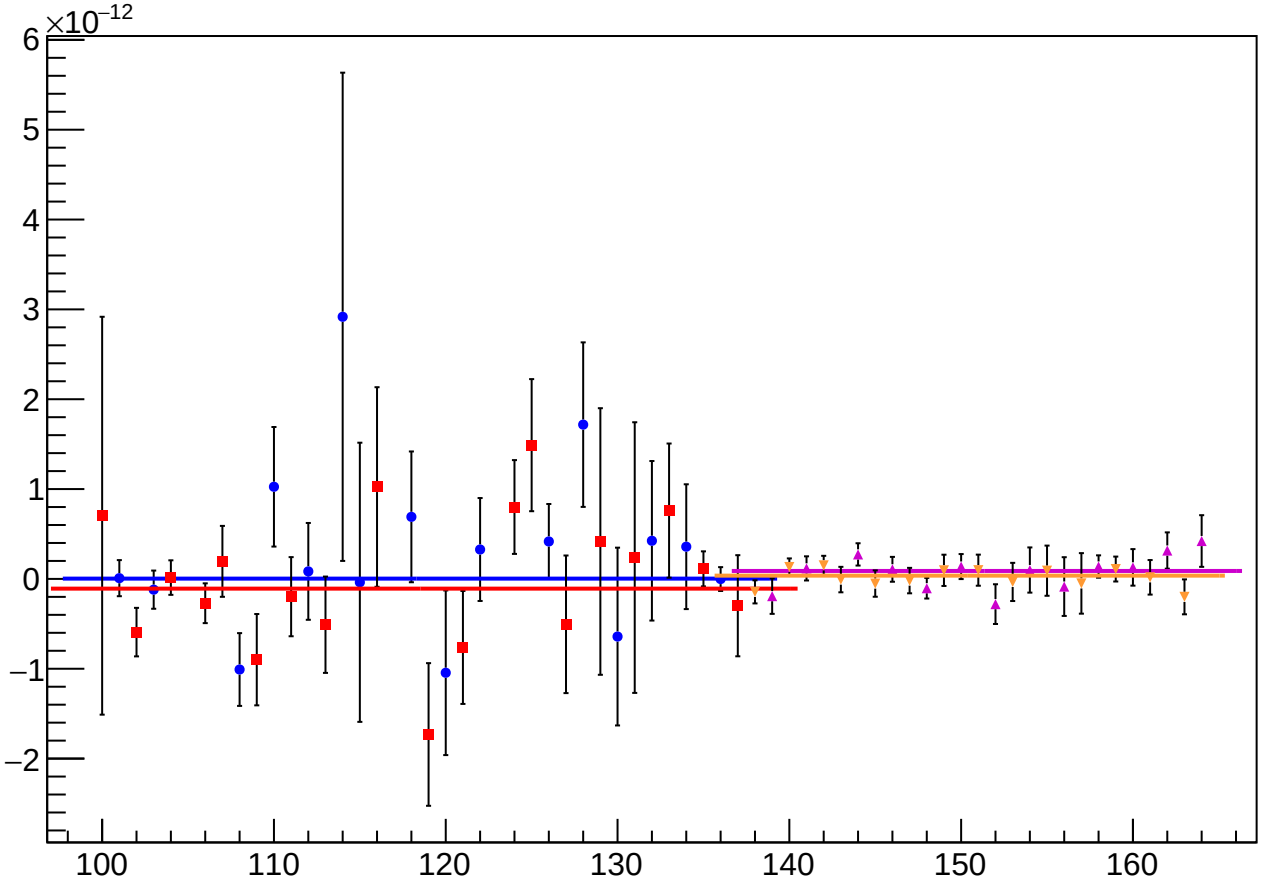
Left In: 5166.567+/-1.120 χ^2/NDF:540484.3/12

+ sign 5103.400+/-0.858 χ^2/NDF: 1208909.1/29

All: 5021.980+/-0.601 χ^2/NDF: 3203554.4/61

- 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:7.0/13

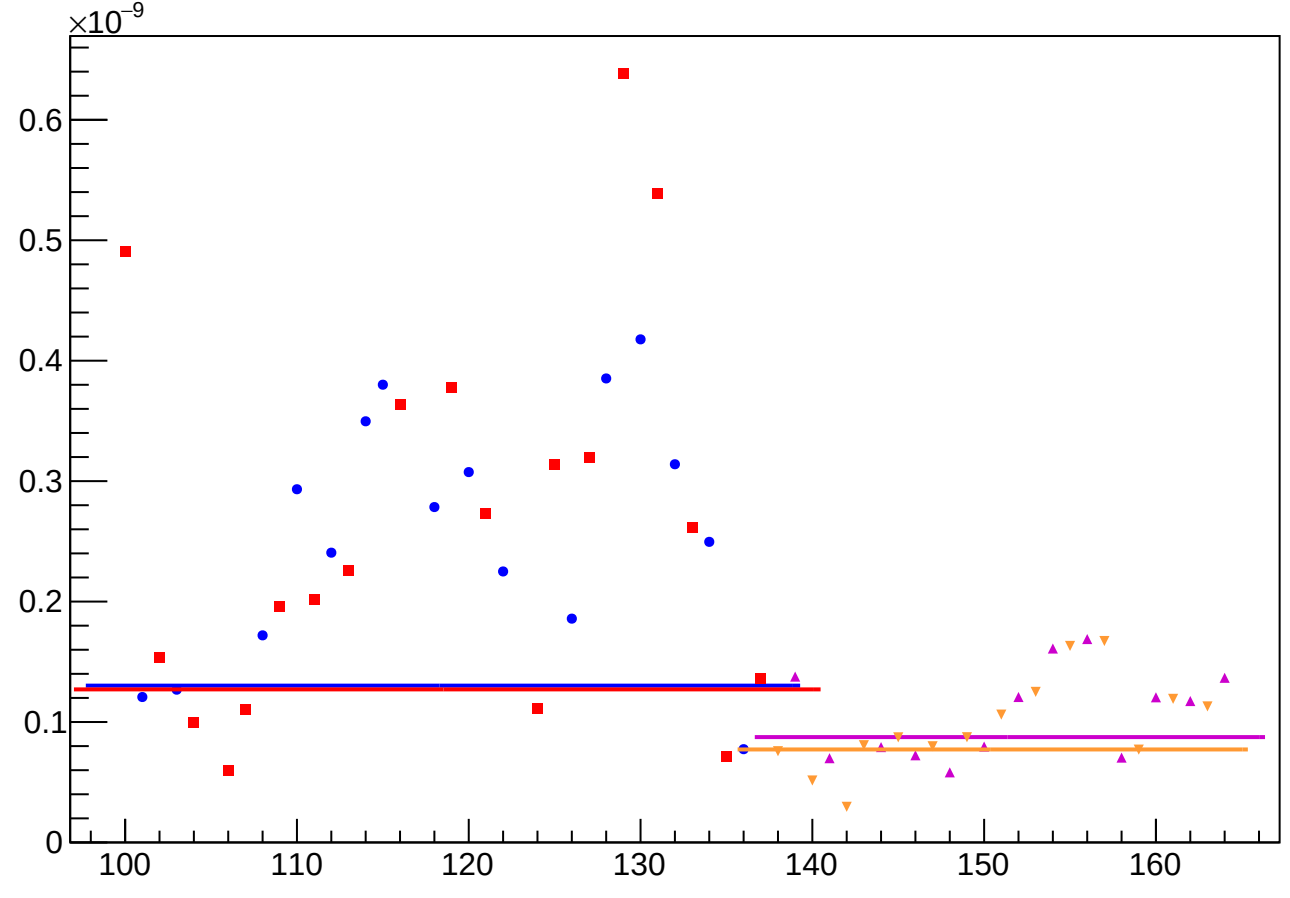
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/29

All: 0.000+/-0.000 χ^2/NDF: 67.3/61

- 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:1216594.1/13

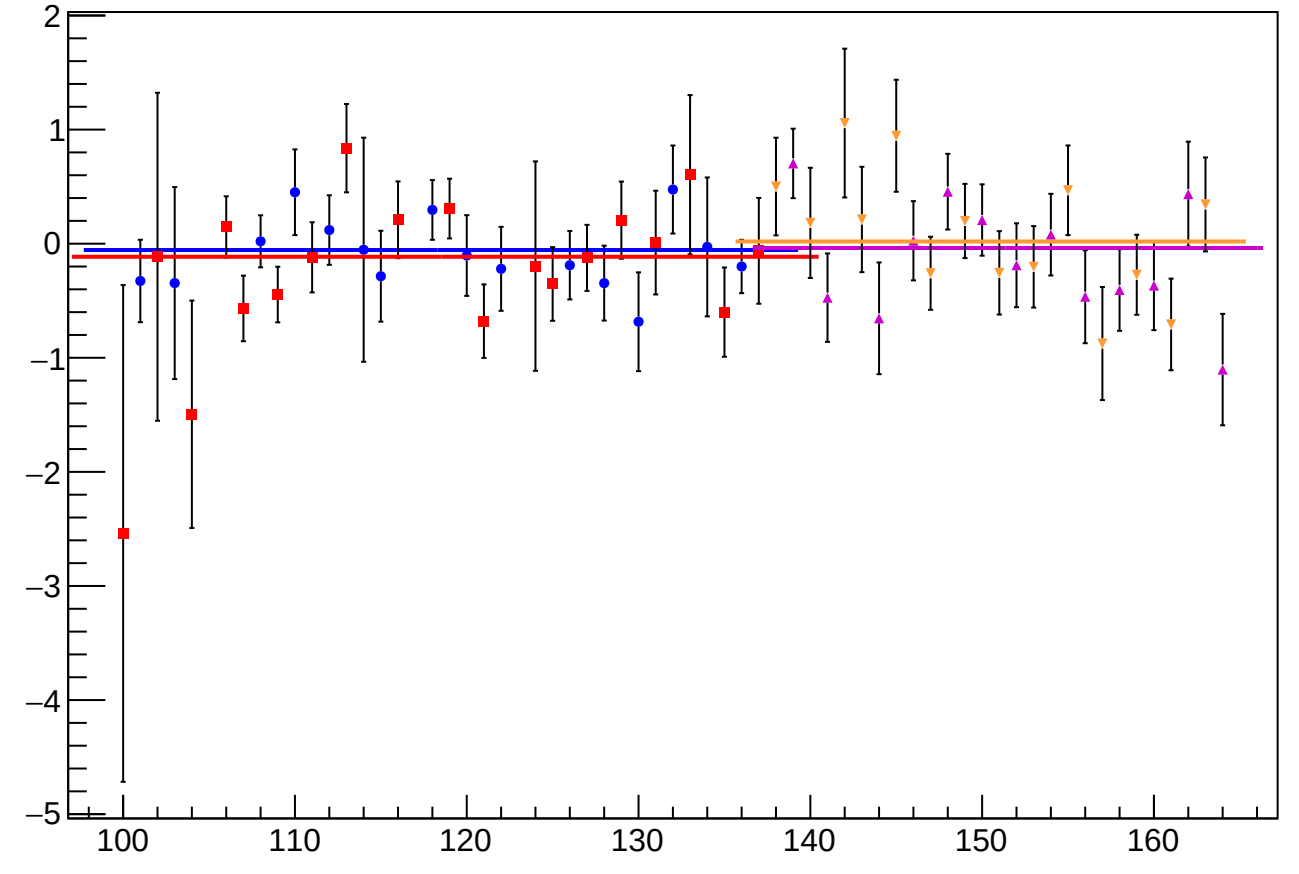
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:865790.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3163349.9/29

All: 0.000+/-0.000 χ^2/NDF: 6128838.6/61

- 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: 0.019+/-0.108 χ^2/NDF:18.8/13

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

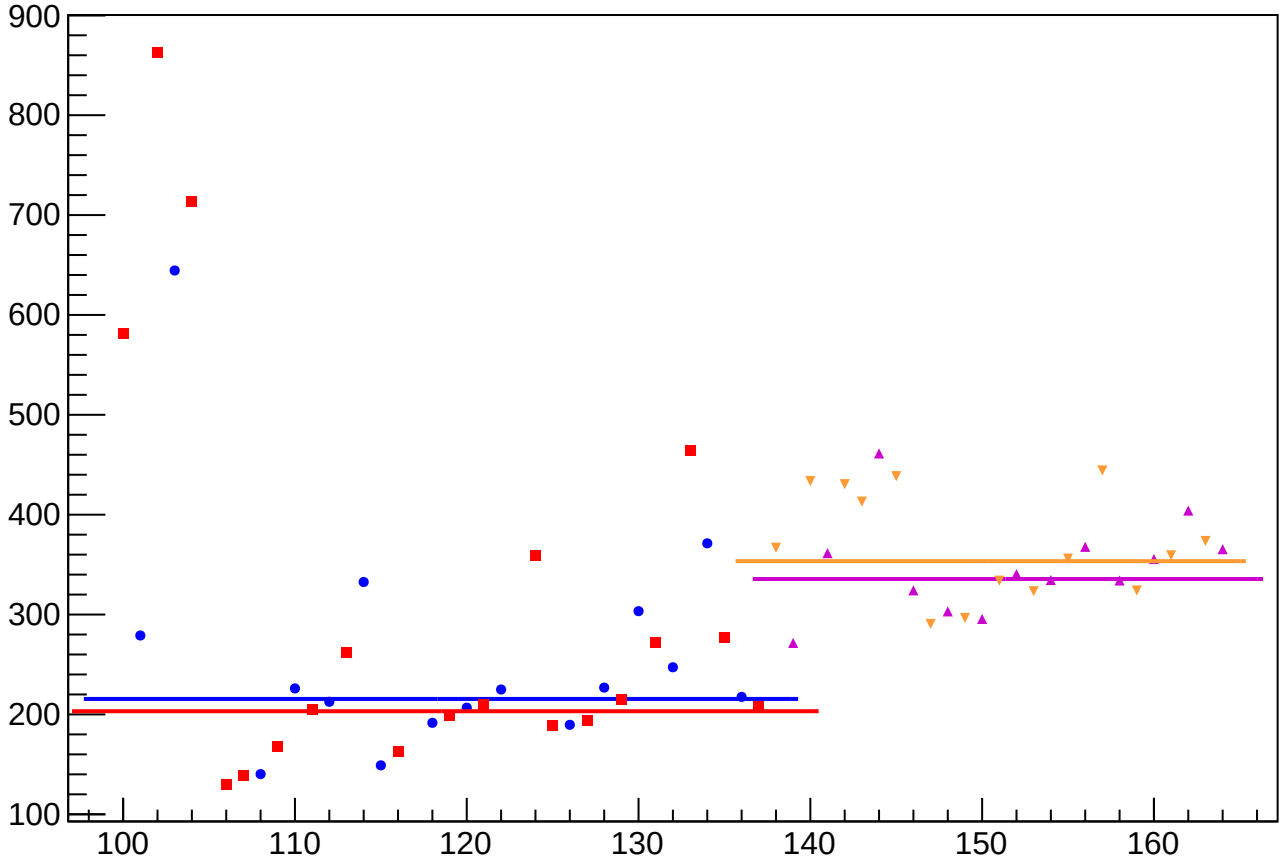
Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.056+/-0.047 χ^2/NDF: 76.3/61

- 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: 353.466+/-0.076 χ^2/NDF:423377.4/13

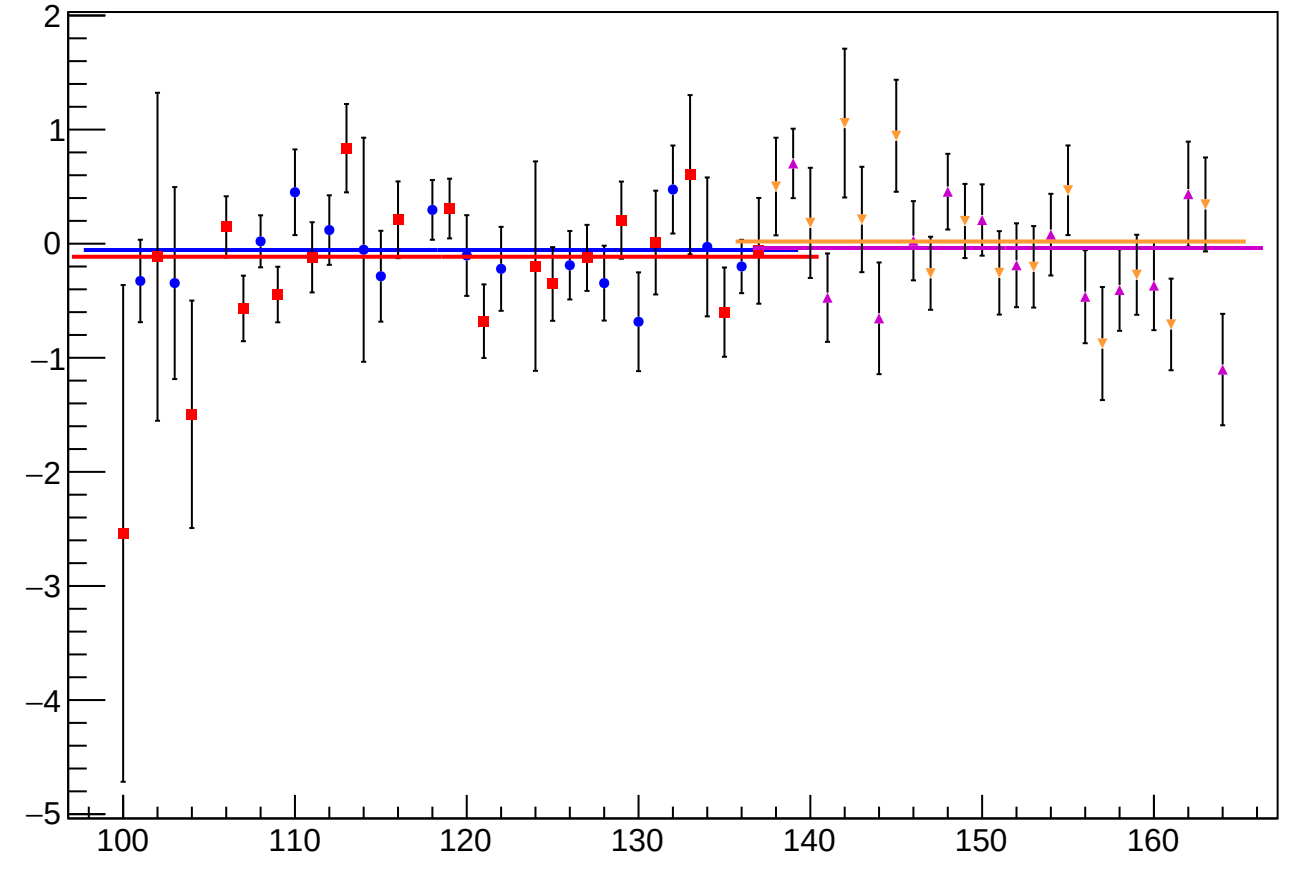
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

+ sign 268.849+/-0.047 χ^2/NDF: 3586237.7/29

All: 261.872+/-0.033 χ^2/NDF: 7810400.6/61

- 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: 0.019+/-0.108 χ^2/NDF:18.8/13

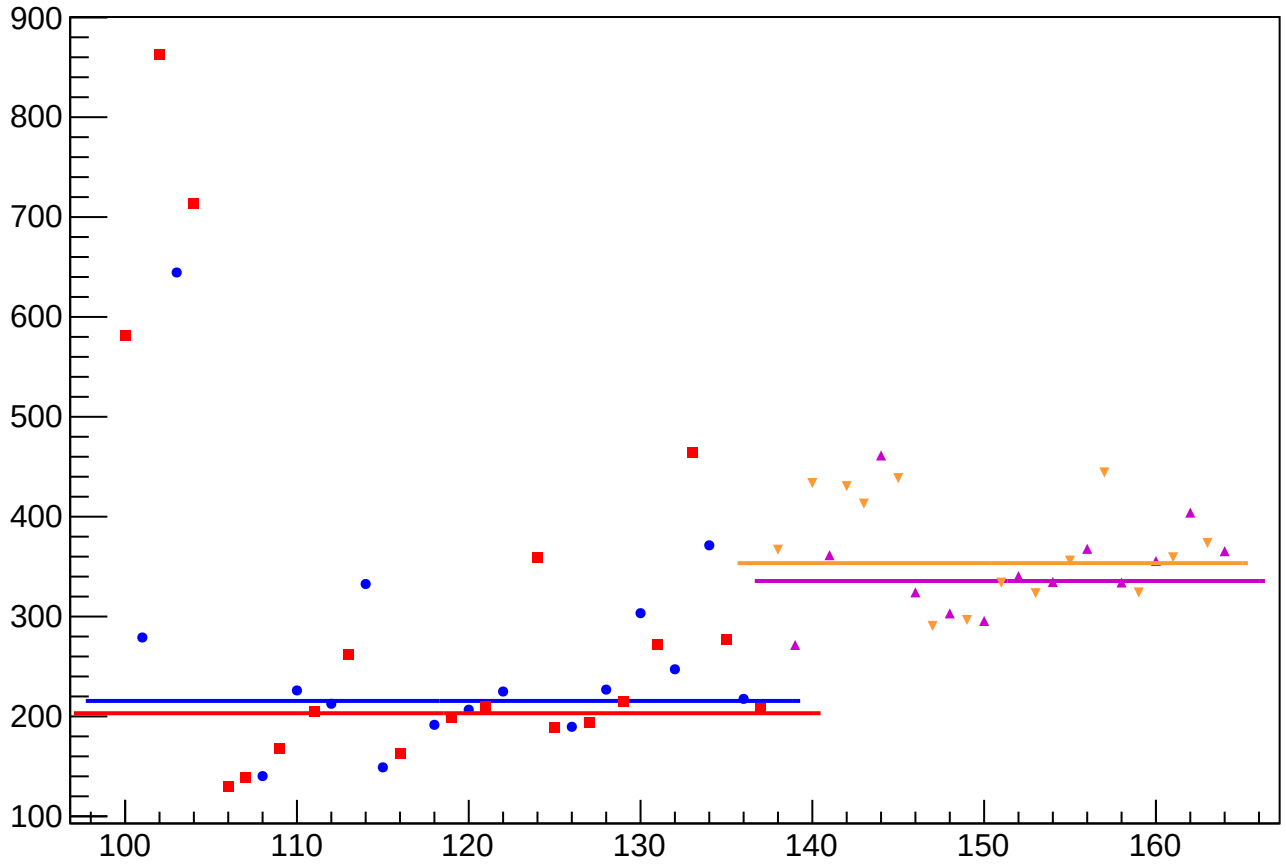
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.056+/-0.047 χ^2/NDF: 76.3/61

- 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: 353.466+/-0.076 χ^2/NDF:423377.4/13

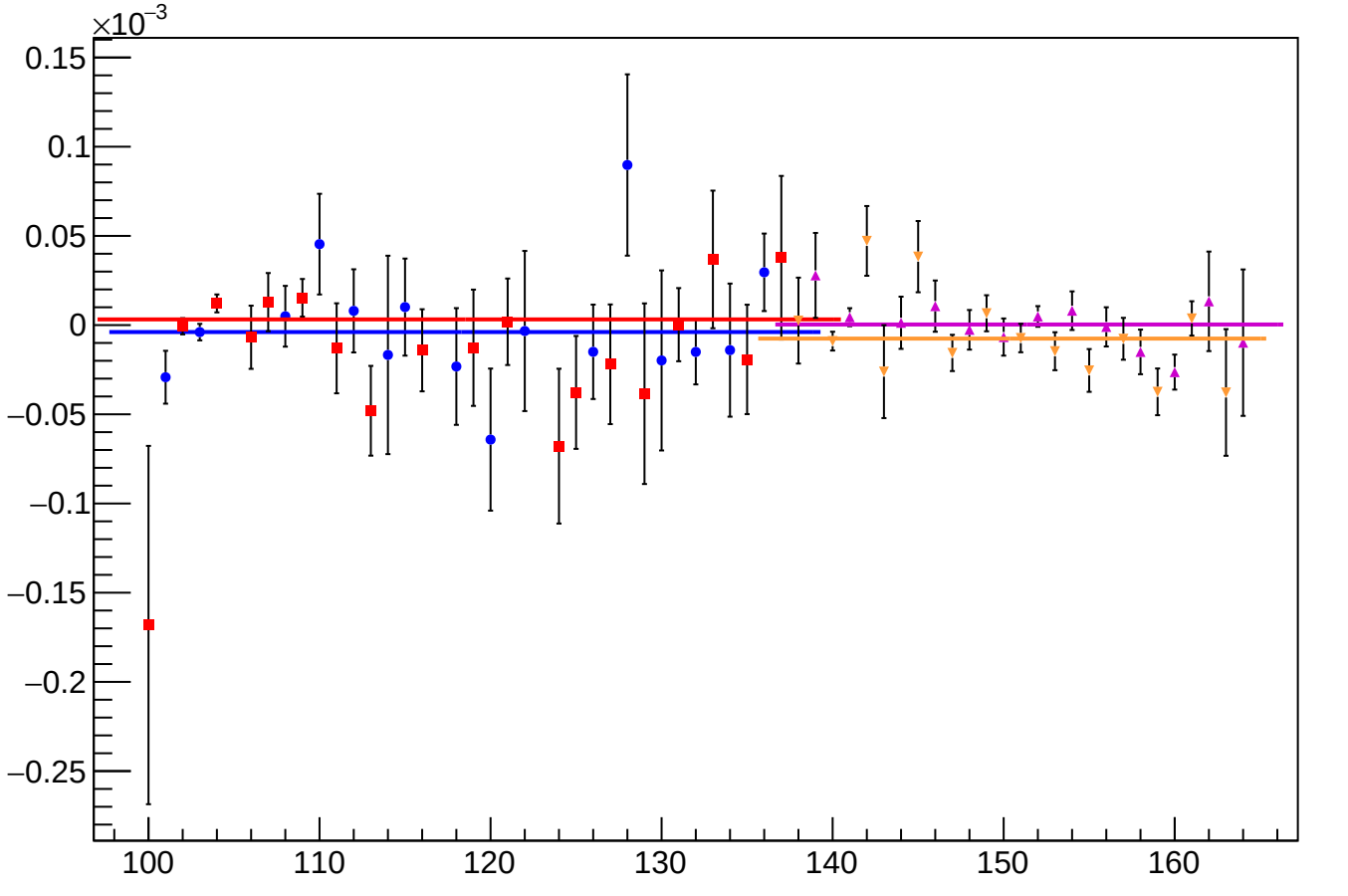
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

+ sign 268.849+/-0.047 χ^2/NDF: 3586237.7/29

All: 261.872+/-0.033 χ^2/NDF: 7810400.6/61

- 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:26.5/13

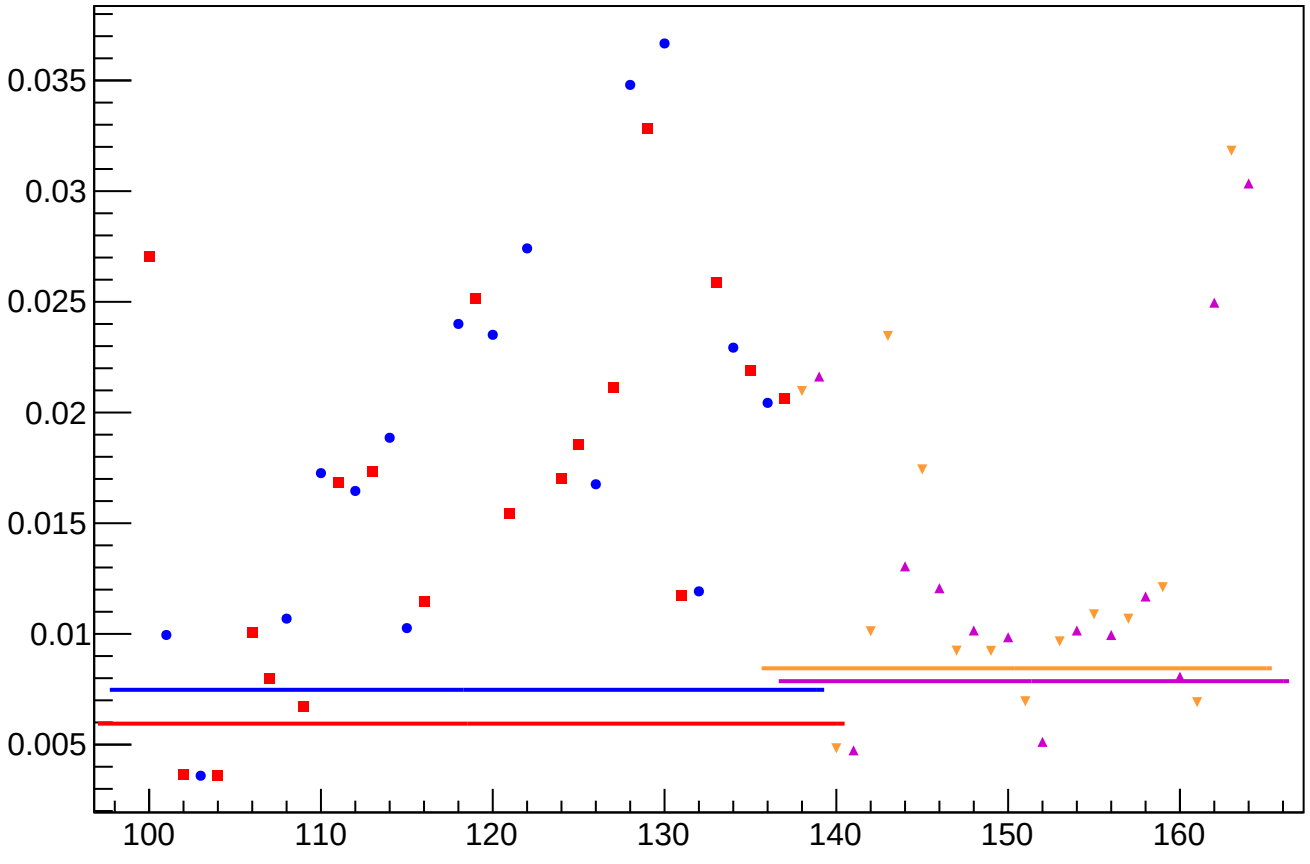
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/29

All: -0.000+/-0.000 χ^2/NDF: 85.3/61

- 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: 0.008+/-0.000 χ^2/NDF:3916117.6/13

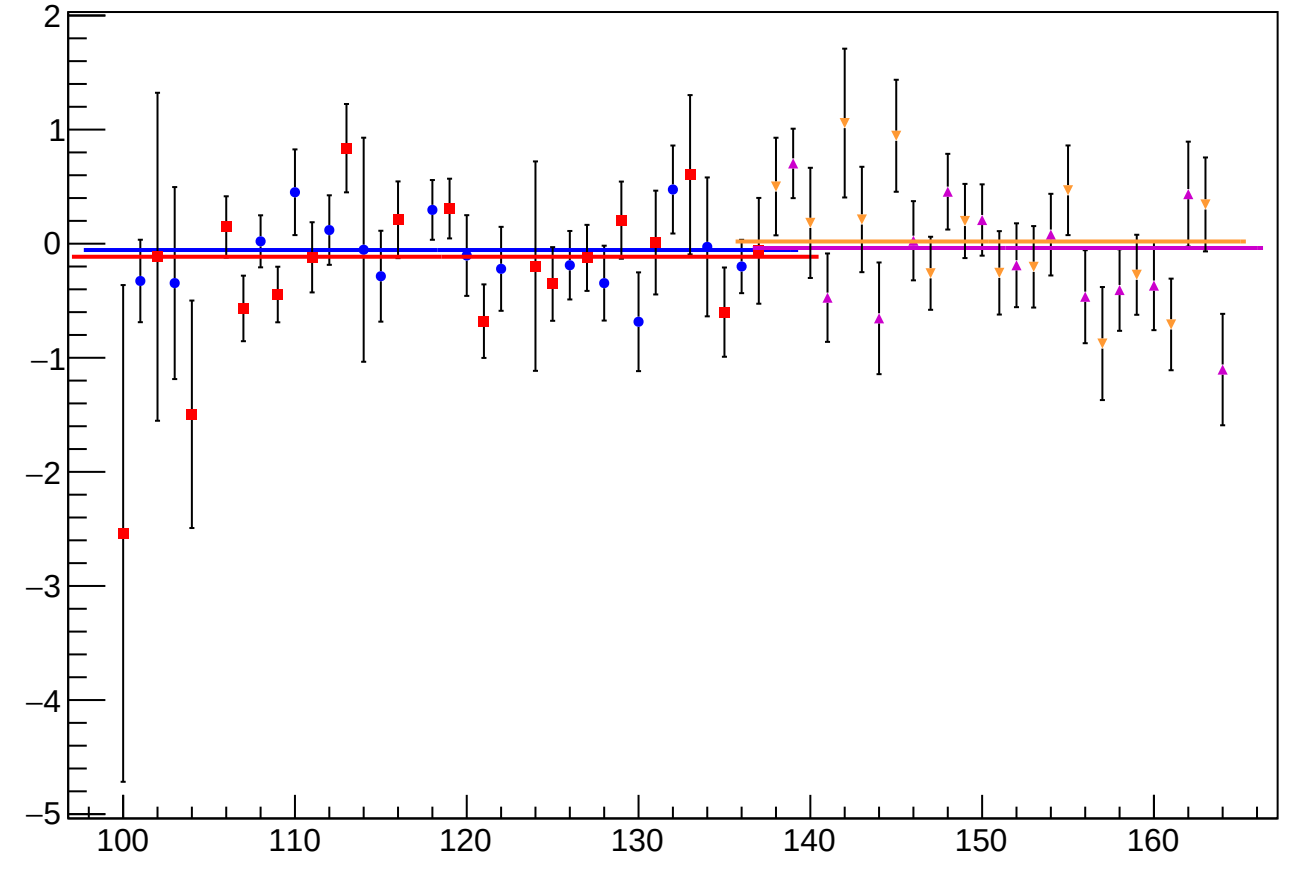
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4164991.2/12

+ sign 0.008+/-0.000 χ^2/NDF: 10075433.2/29

All: 0.007+/-0.000 χ^2/NDF: 20914216.6/61

- 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: 0.019+/-0.108 χ^2/NDF:18.8/13

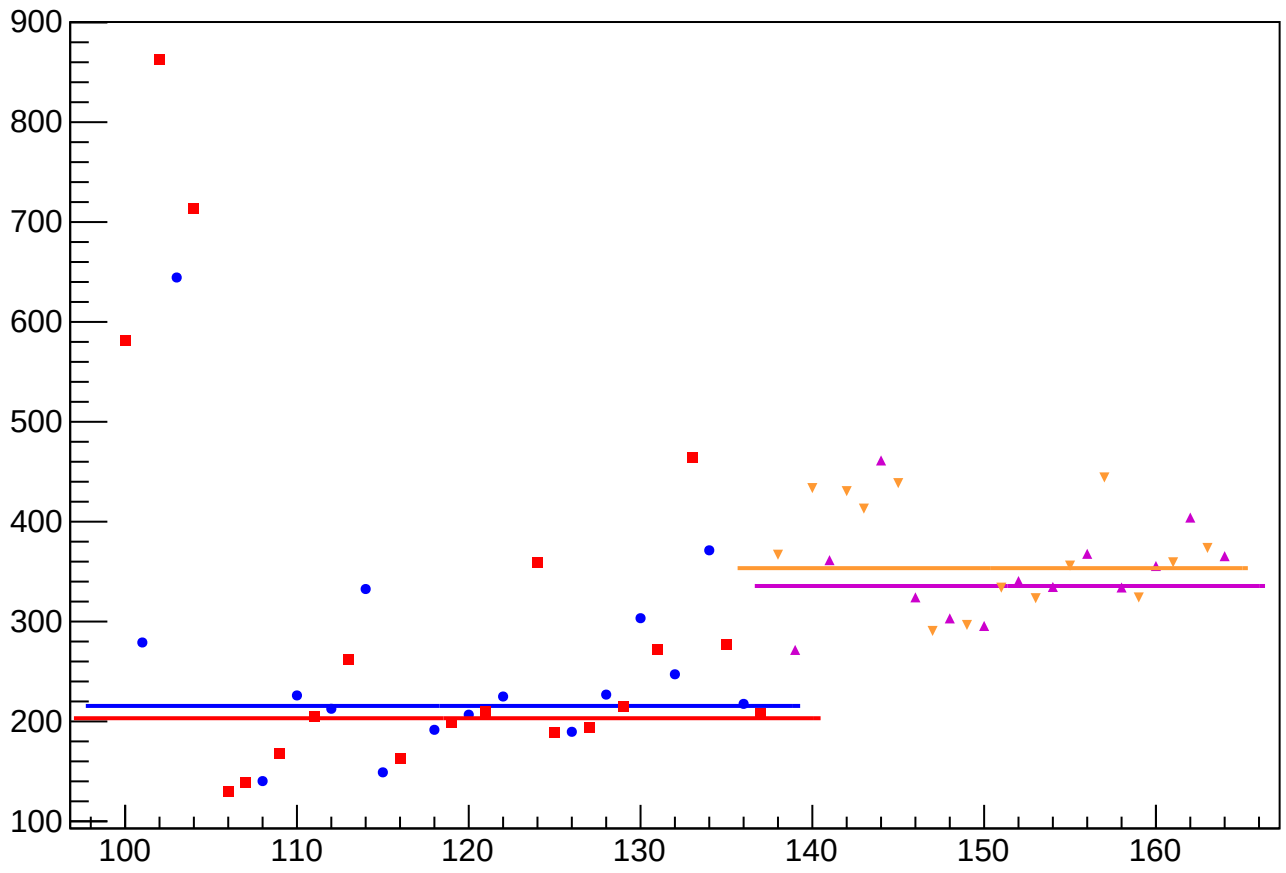
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.056+/-0.047 χ^2/NDF: 76.3/61

- 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: 353.472+/-0.076 χ^2/NDF:423372.0/13

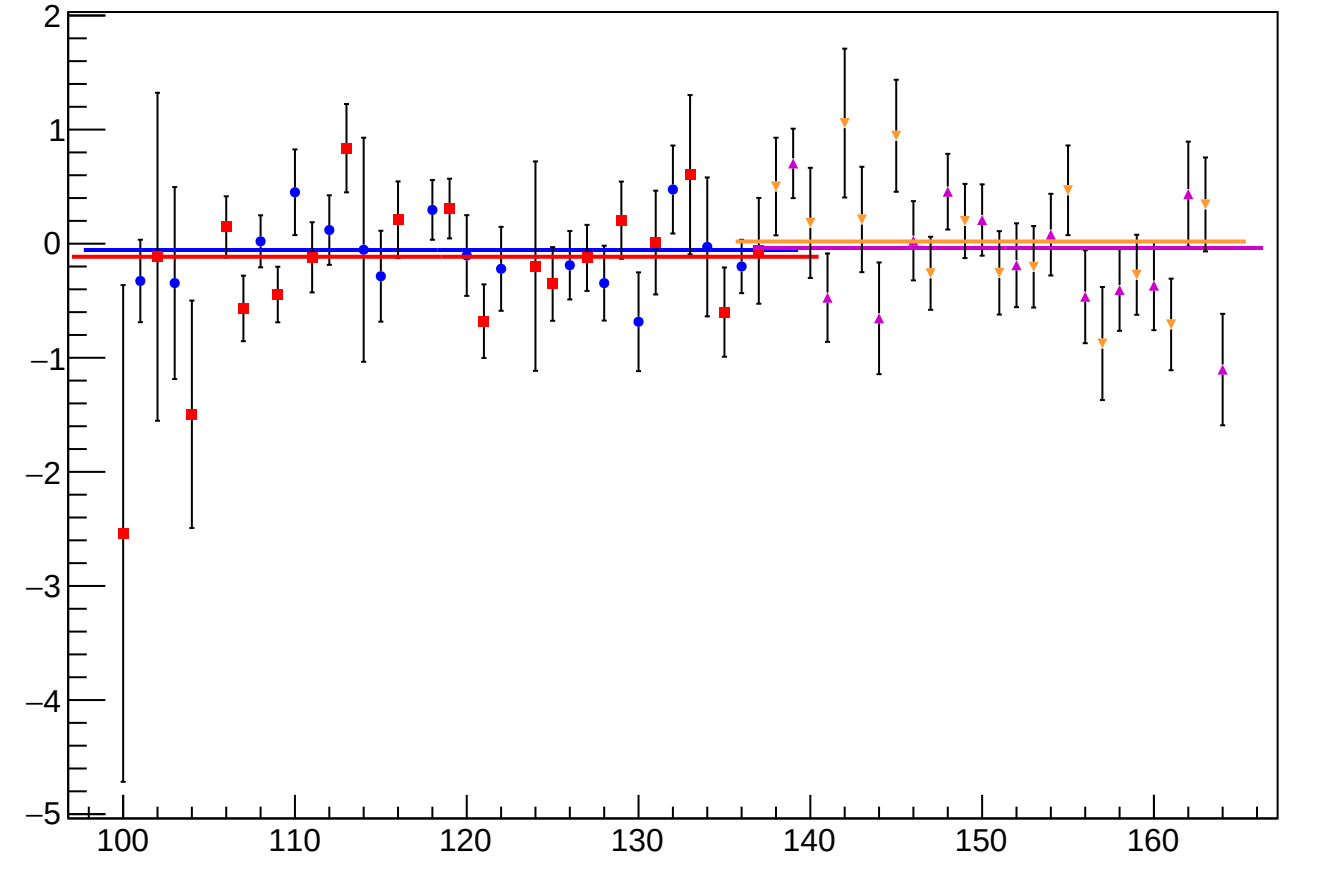
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

+ sign 268.849+/-0.047 χ^2/NDF: 3586386.1/29

All: 261.872+/-0.033 χ^2/NDF: 7810717.6/61

- 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: 0.019+/-0.108 χ^2/NDF:18.8/13

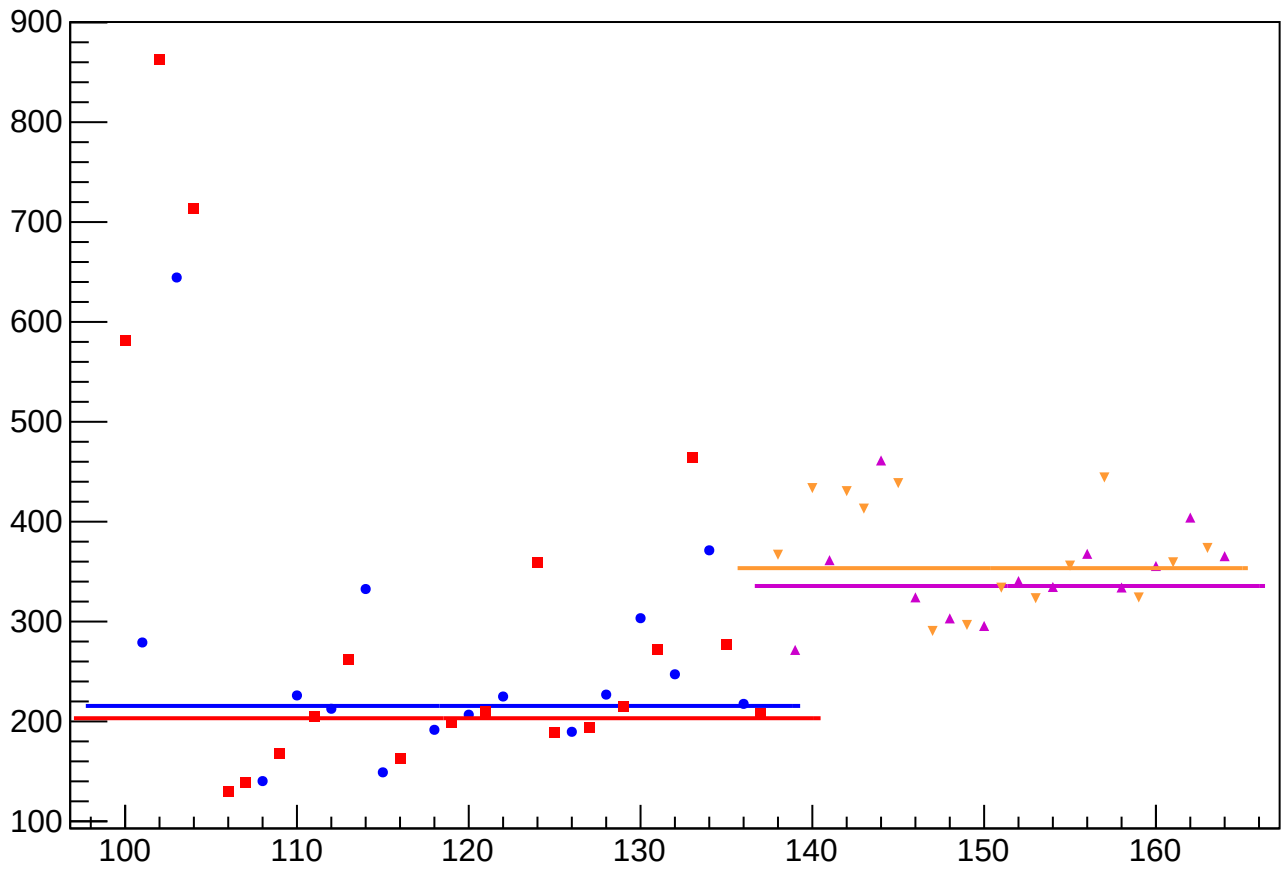
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.056+/-0.047 χ^2/NDF: 76.3/61

- 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: 353.472+/-0.076 χ^2/NDF:423372.0/13

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

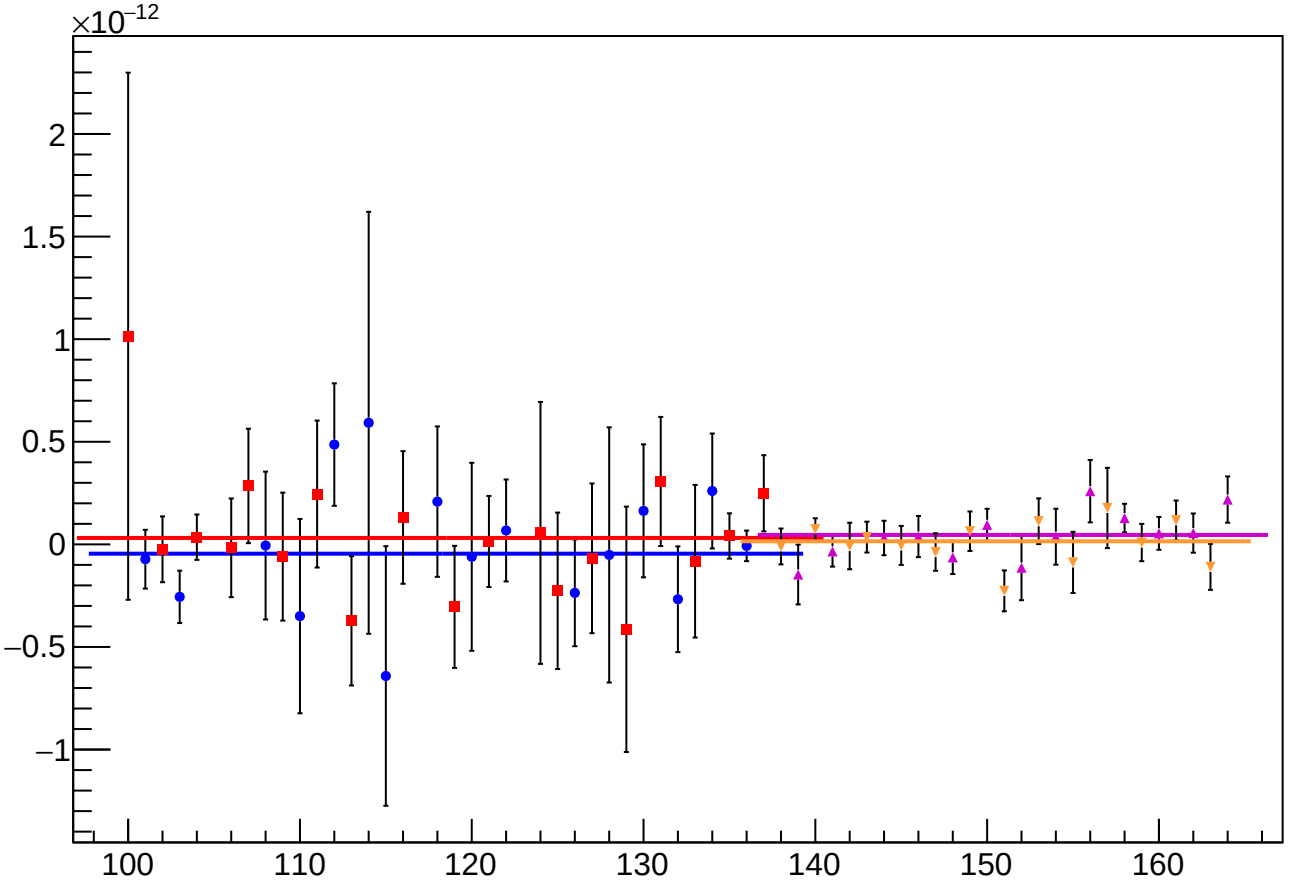
Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

+ sign 268.849+/-0.047 χ^2/NDF: 3586386.1/29

All: 261.872+/-0.033 χ^2/NDF: 7810717.6/61

- 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:12.2/13

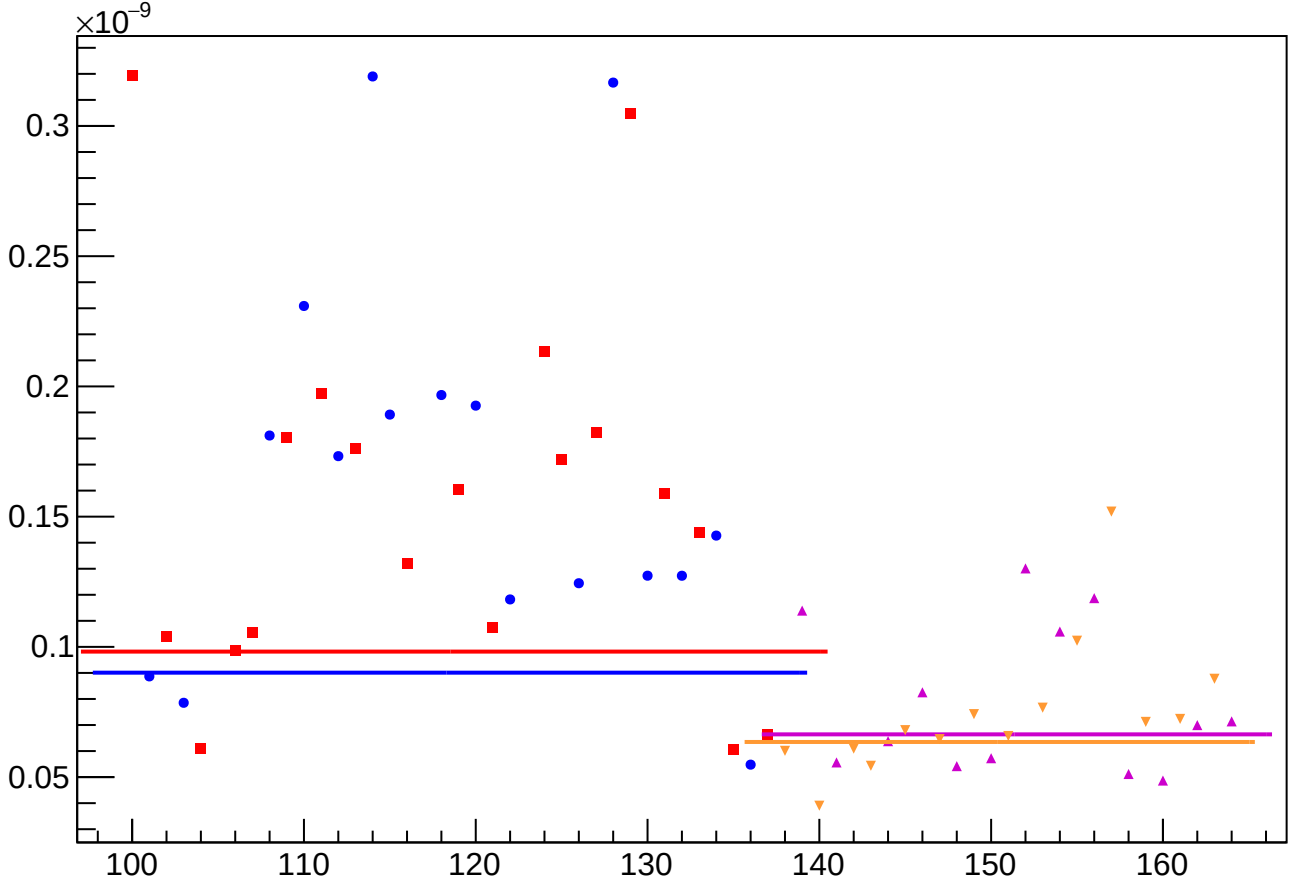
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/29

All: 0.000+/-0.000 χ^2/NDF: 46.7/61

- 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:1187415.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

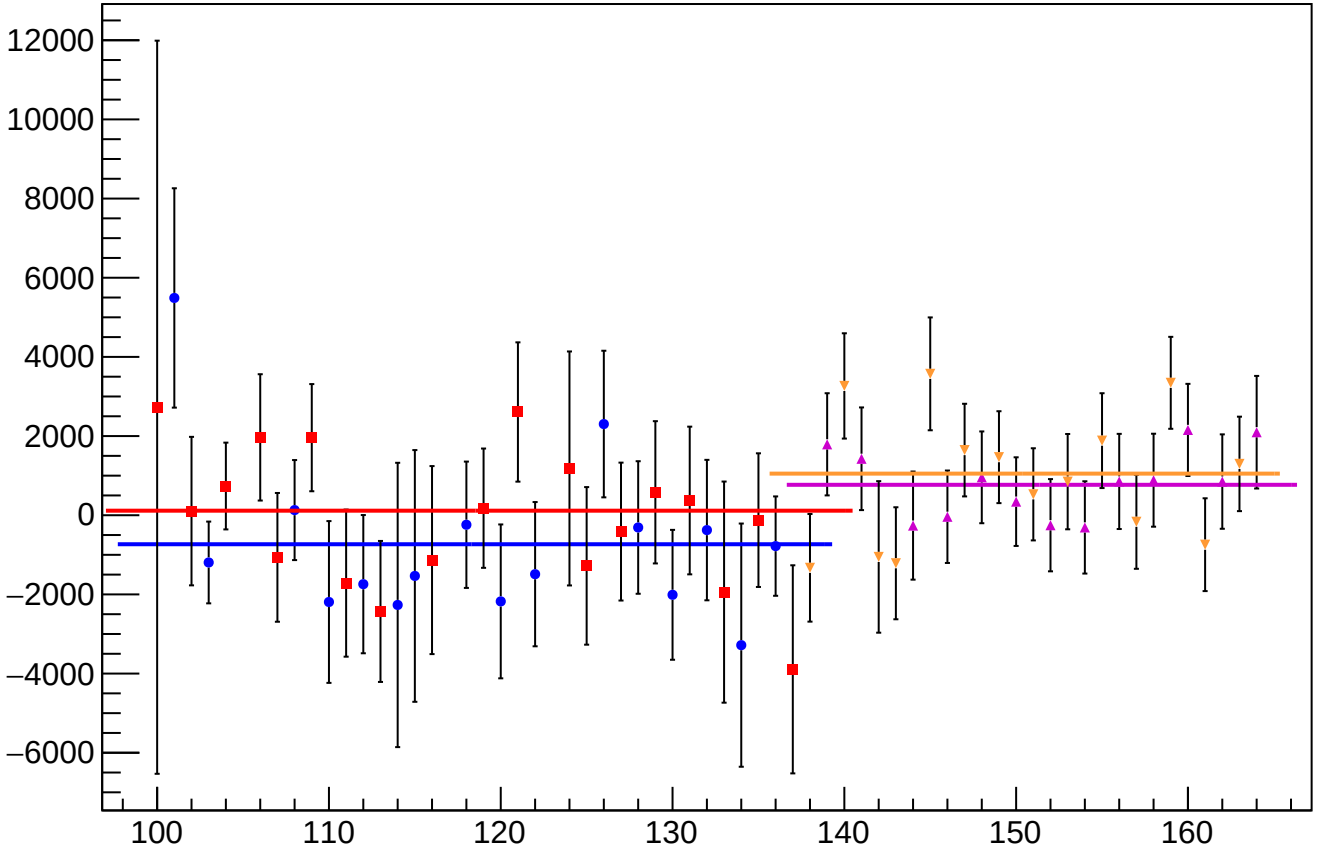
Left In: 0.000+/-0.000 χ^2/NDF:1308480.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3451059.5/29

All: 0.000+/-0.000 χ^2/NDF: 7081485.2/61

- 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: 1051.360+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

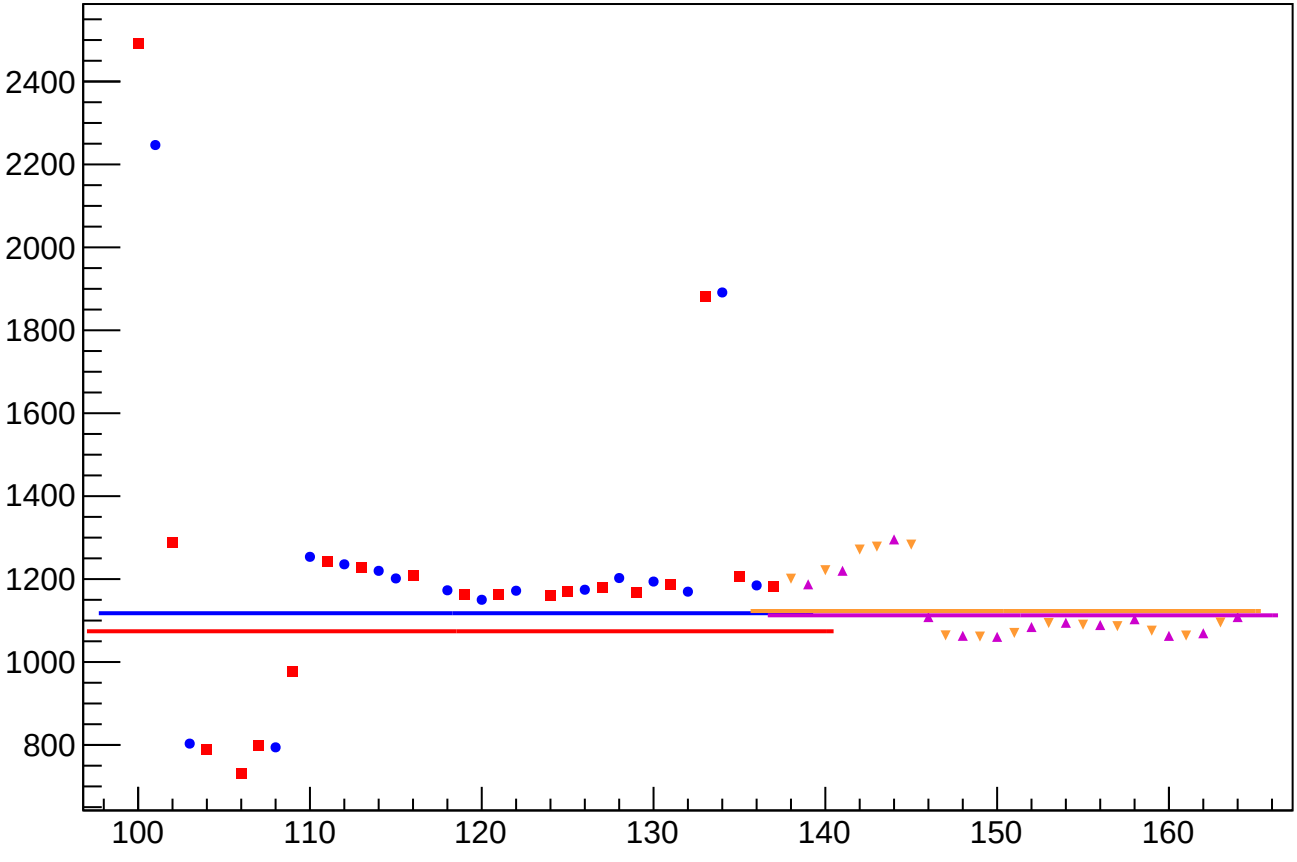
Left In: 768.695+/-336.484 χ^2/NDF:6.0/12

+ sign 369.418+/-264.230 χ^2/NDF: 43.6/29

All: 439.054+/-185.495 χ^2/NDF: 64.4/61

- 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: 1123.022+/-0.238 χ^2/NDF:107699.3/13

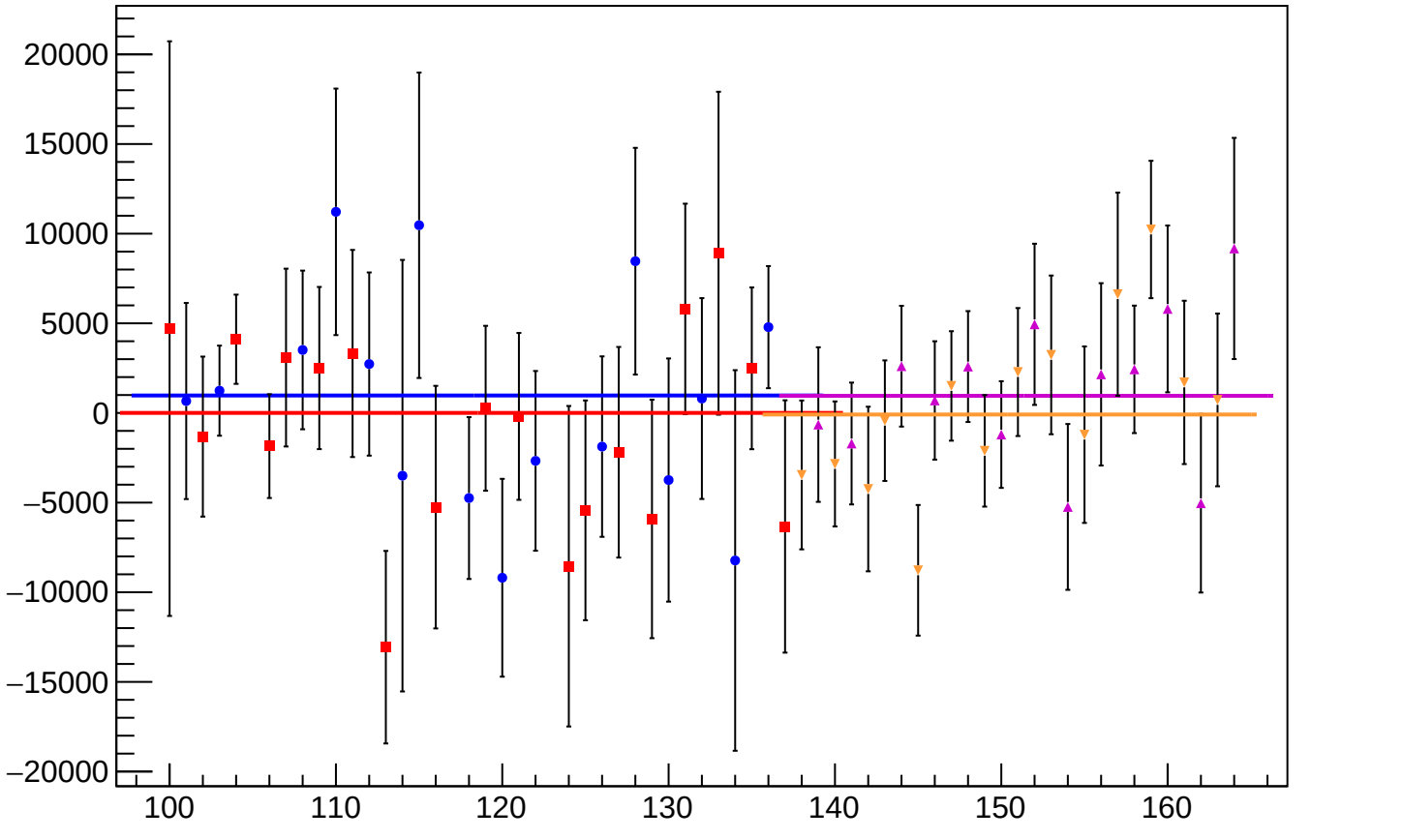
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.982+/-0.187 χ^2/NDF: 927727.2/29

All: 1108.801+/-0.131 χ^2/NDF: 1669328.3/61

- sign 1097.043+/-0.184 χ^2/NDF: 733247.8/31



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -86.998+/-1040.566 χ^2/NDF:18.4/13

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

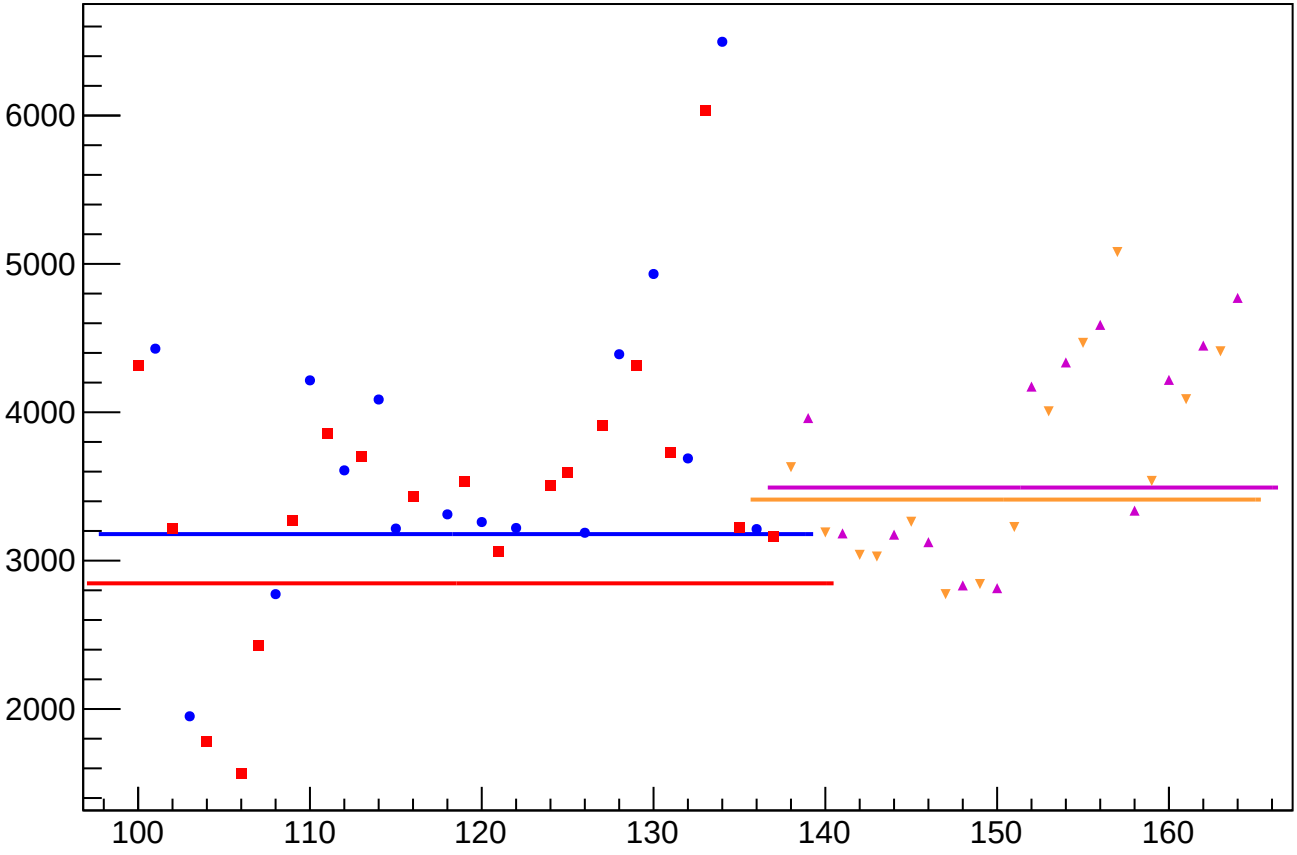
Left In: 957.131+/-1075.381 χ^2/NDF:8.9/12

\+ sign 354.338+/-795.159 χ^2/NDF: 32.6/29

All: 427.516+/-554.508 χ^2/NDF: 58.5/61

\- sign 496.791+/-773.667 χ^2/NDF: 25.9/31

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3411.546+/-0.736 χ^2/NDF:649802.9/13

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

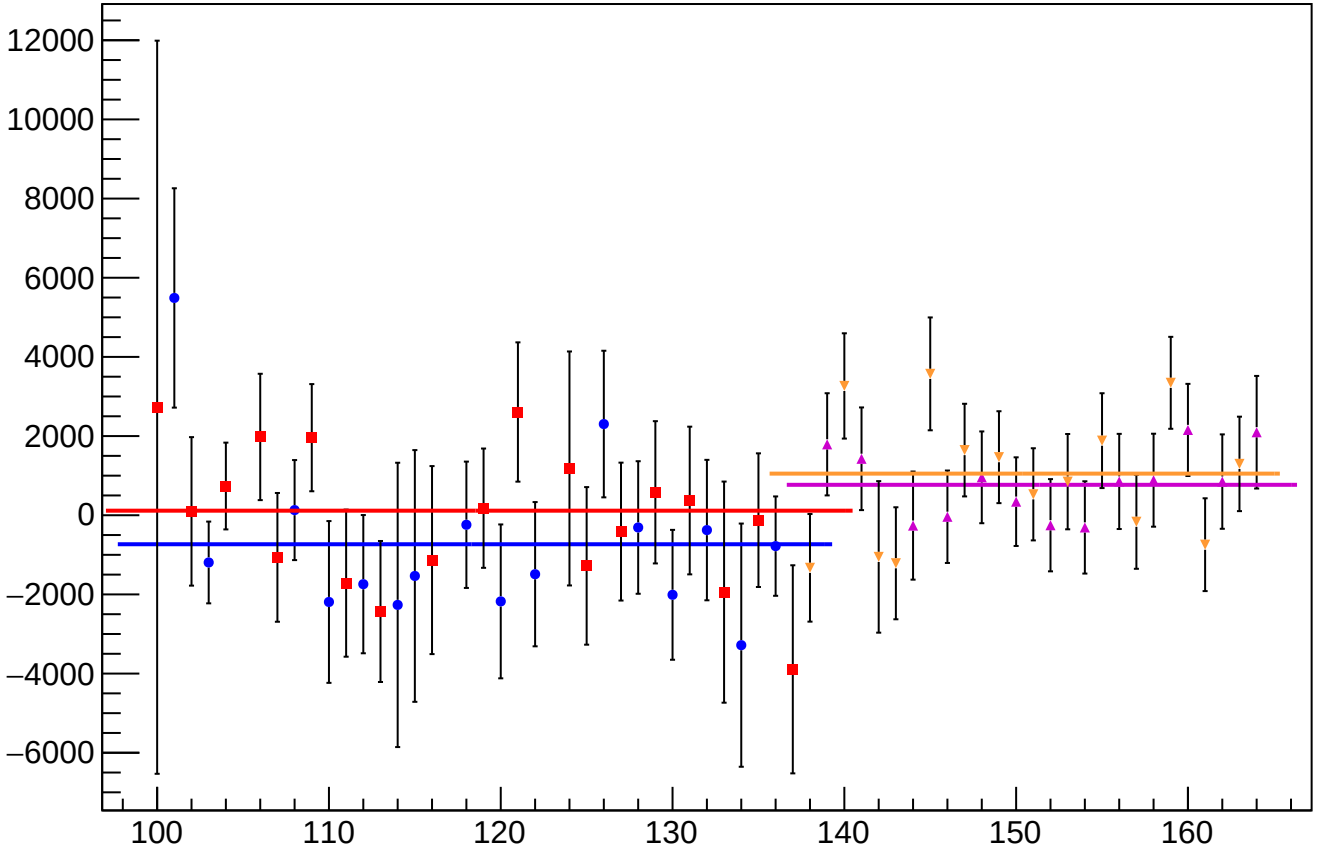
Left In: 3492.691+/-0.760 χ^2/NDF:695233.7/12

\+ sign 3314.739+/-0.562 χ^2/NDF: 1783085.2/29

All: 3246.145+/-0.392 χ^2/NDF: 4366269.9/61

\- 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: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

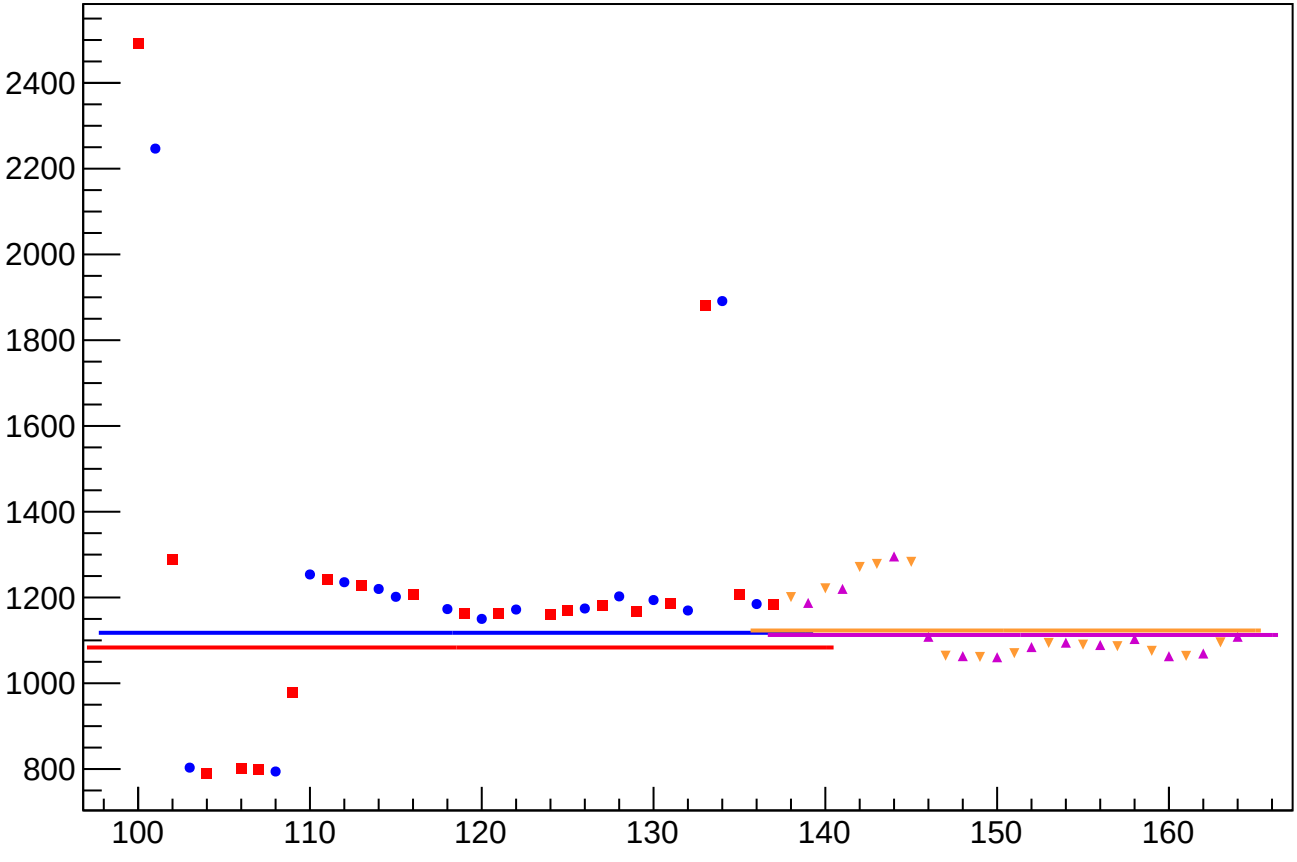
Left In: 768.688+/-336.484 χ^2/NDF:6.0/12

+ sign 369.498+/-264.230 χ^2/NDF: 43.6/29

All: 439.147+/-185.495 χ^2/NDF: 64.5/61

- 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: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

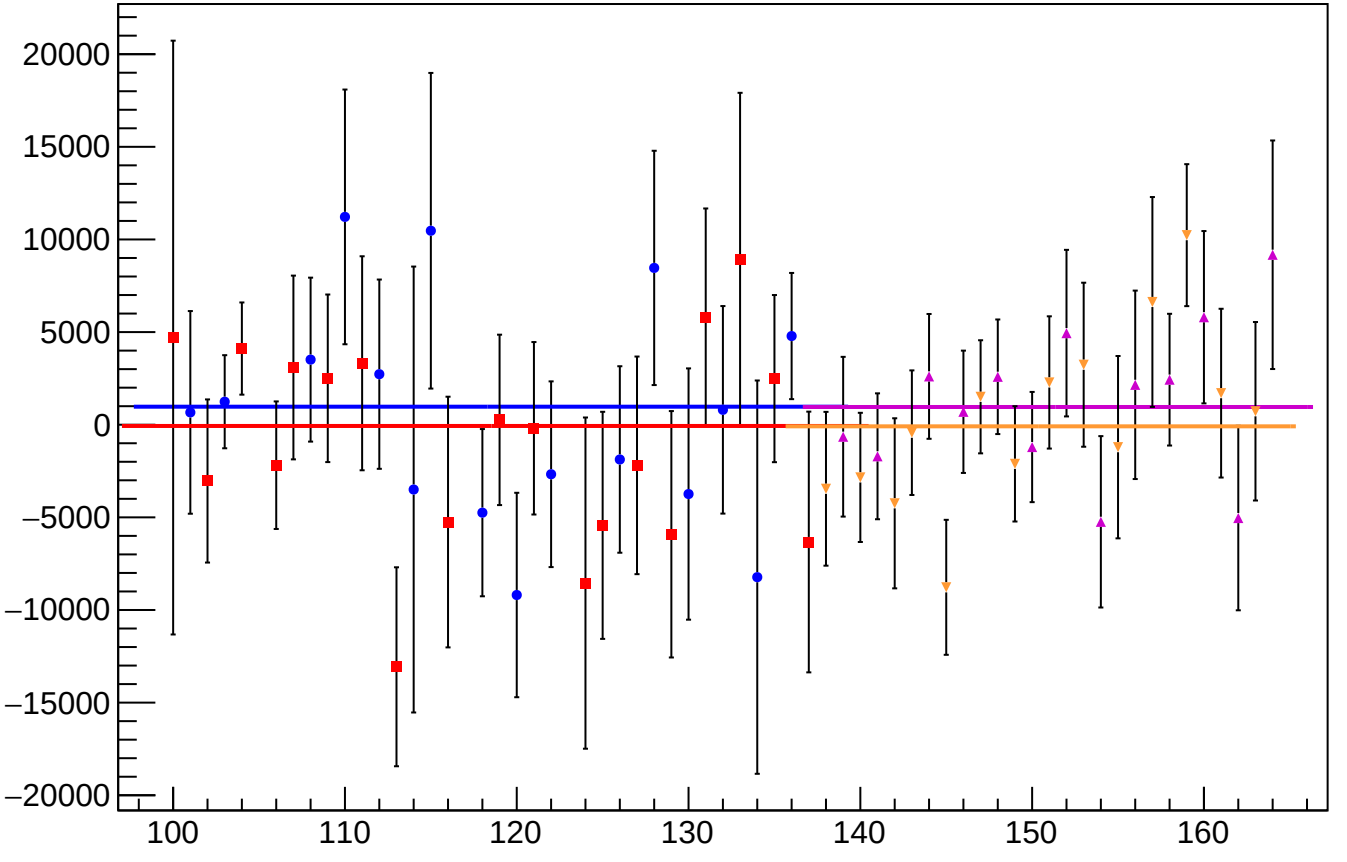
Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.982+/-0.187 χ^2/NDF: 927723.8/29

All: 1110.782+/-0.131 χ^2/NDF: 1607819.1/61

- sign 1100.886+/-0.184 χ^2/NDF: 674223.8/31

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

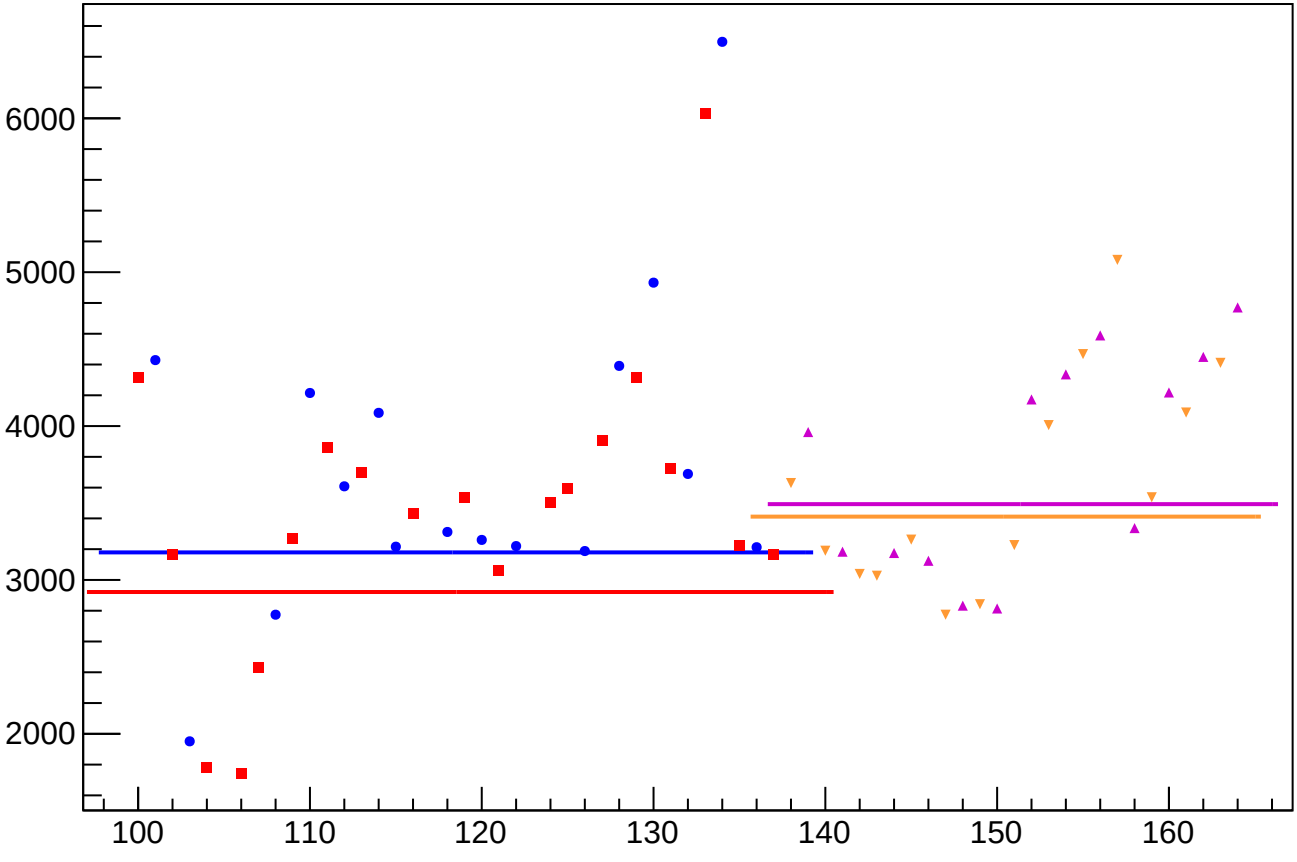
Left In: 957.144+/-1075.381 χ^2/NDF:8.9/12

+ sign 354.103+/-795.172 χ^2/NDF: 32.6/29

All: 415.045+/-557.402 χ^2/NDF: 58.9/61

- sign 473.921+/-781.574 χ^2/NDF: 26.3/31

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

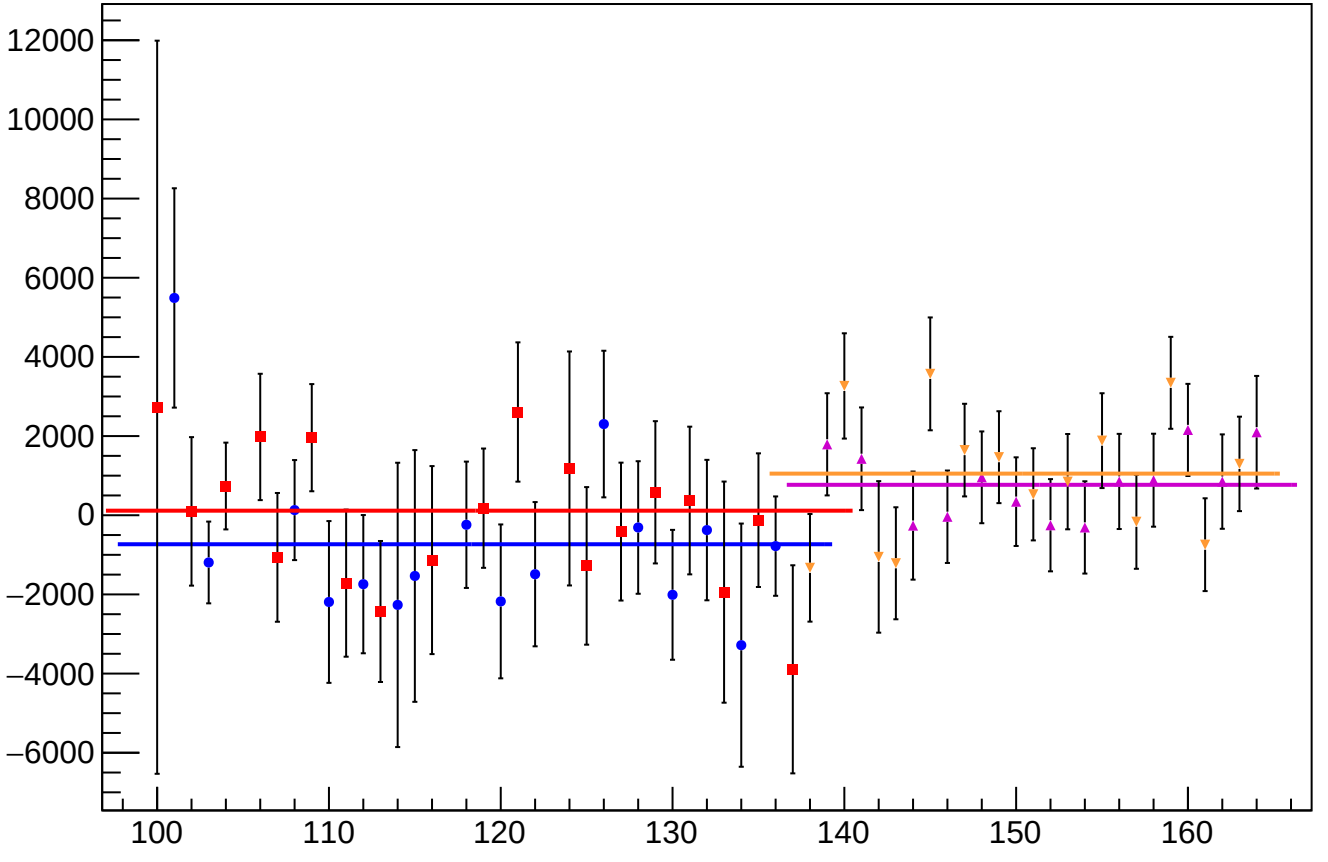
Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

+ sign 3314.818+/-0.562 χ^2/NDF: 1782577.4/29

All: 3268.260+/-0.394 χ^2/NDF: 4070252.0/61

- 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: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

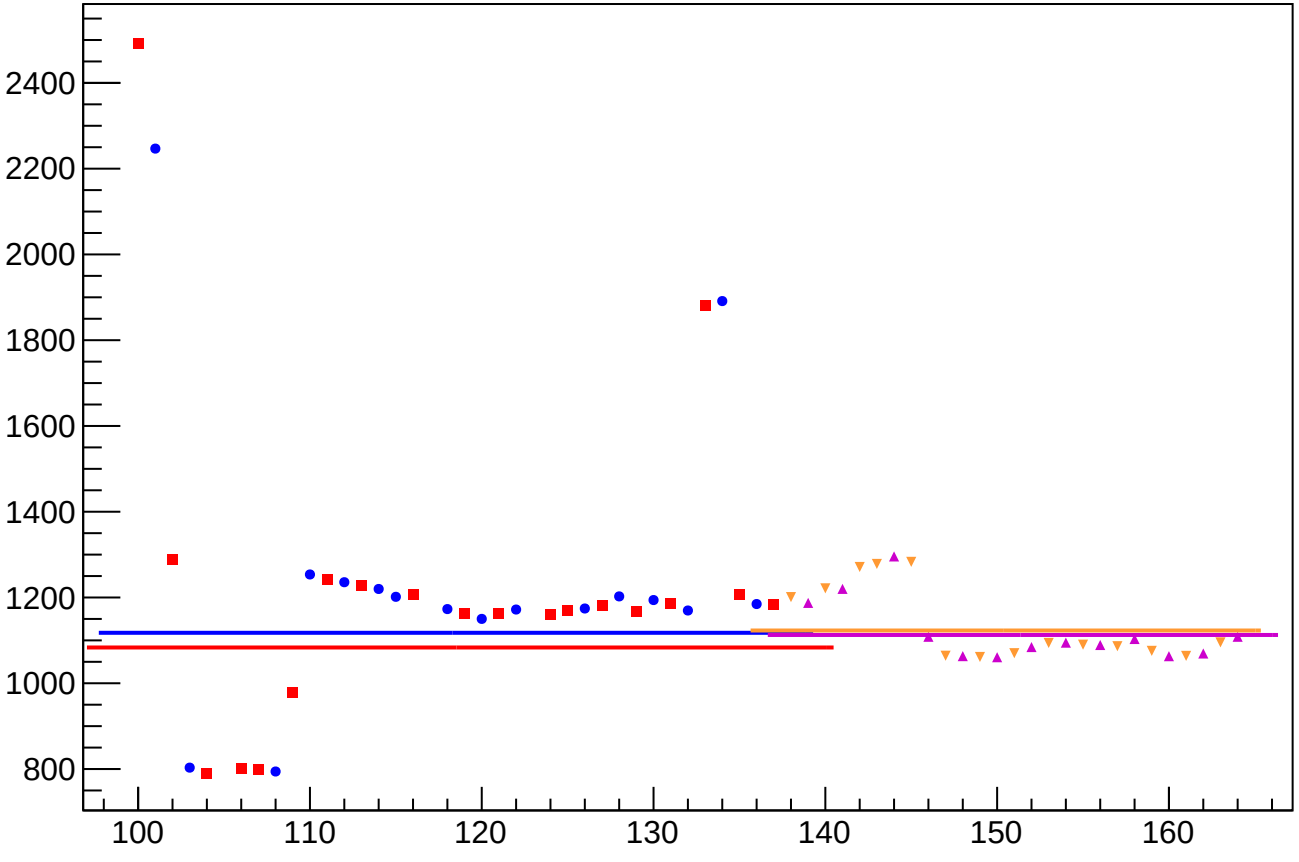
Left In: 768.688+/-336.484 χ^2/NDF:6.0/12

+ sign 369.498+/-264.230 χ^2/NDF: 43.6/29

All: 439.147+/-185.495 χ^2/NDF: 64.5/61

- 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: 1123.022+/-0.238 χ^2/NDF:107699.3/13

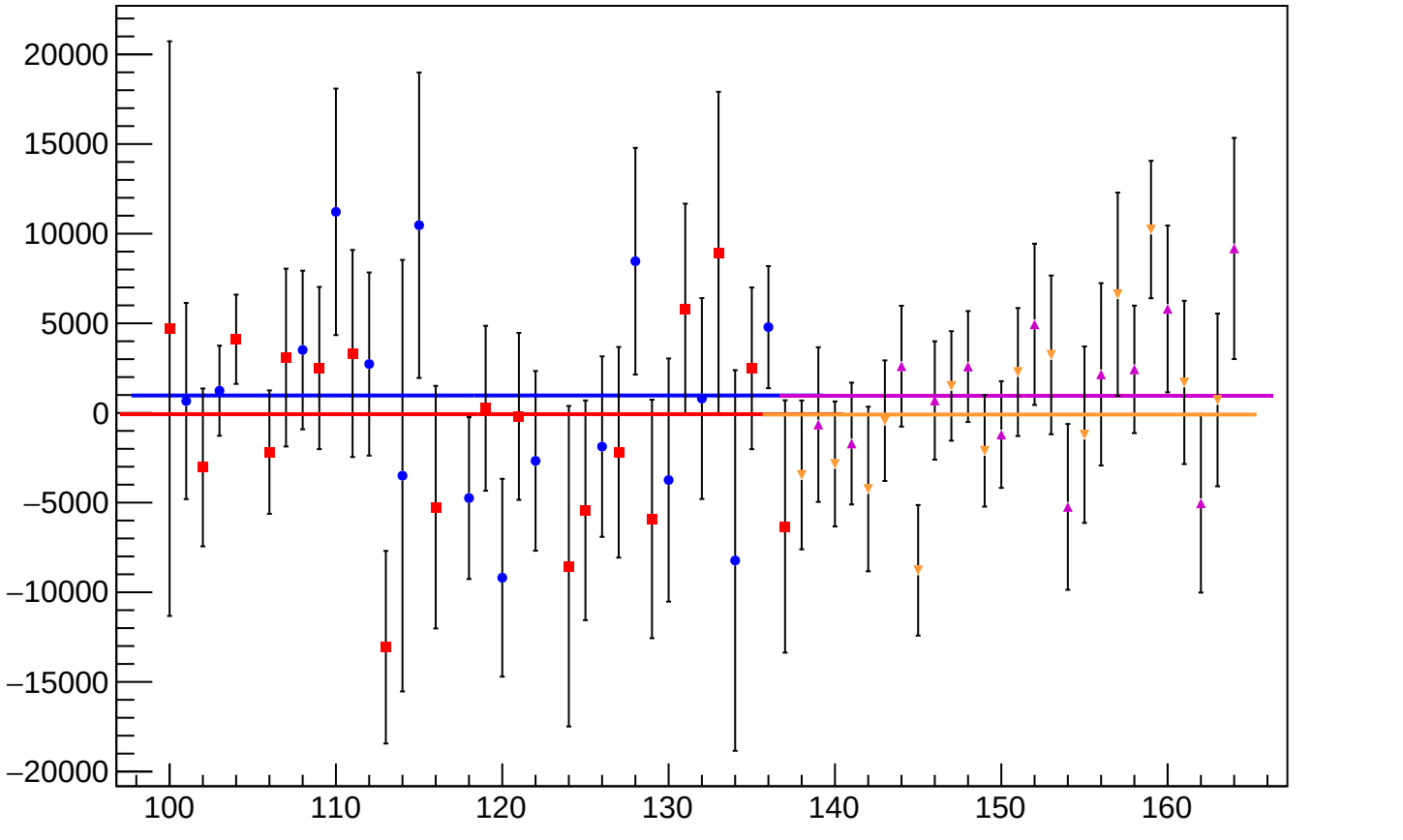
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.982+/-0.187 χ^2/NDF: 927723.8/29

All: 1110.782+/-0.131 χ^2/NDF: 1607819.1/61

- 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: -87.009+/-1040.564 χ^2/NDF:18.4/13

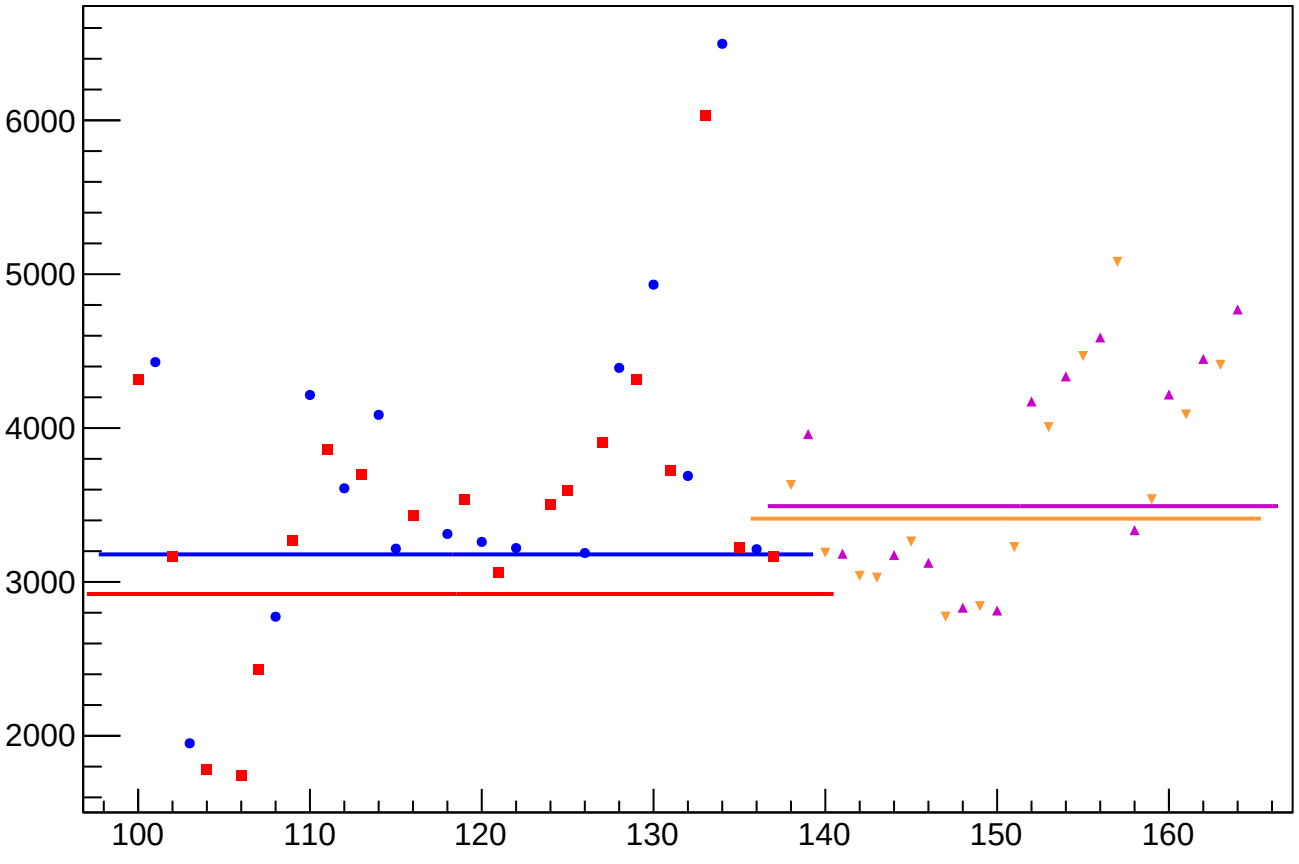
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 957.144+/-1075.381 χ^2/NDF:8.9/12

+ sign 354.103+/-795.172 χ^2/NDF: 32.6/29

All: 415.045+/-557.402 χ^2/NDF: 58.9/61

- 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: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

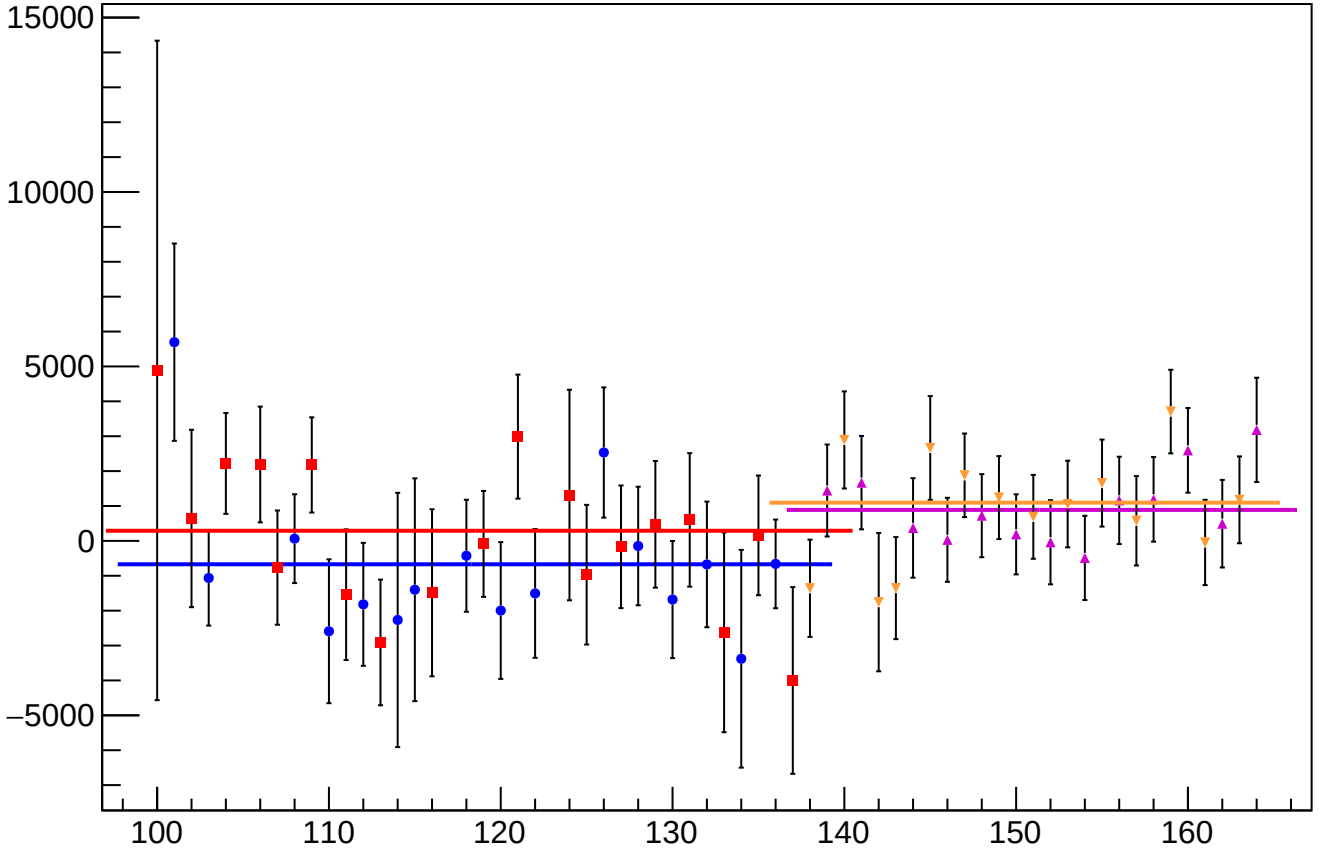
Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

+ sign 3314.818+/-0.562 χ^2/NDF: 1782577.4/29

All: 3268.260+/-0.394 χ^2/NDF: 4070252.0/61

- 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: 1095.238+/-348.962 χ^2/NDF:17.3/13

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

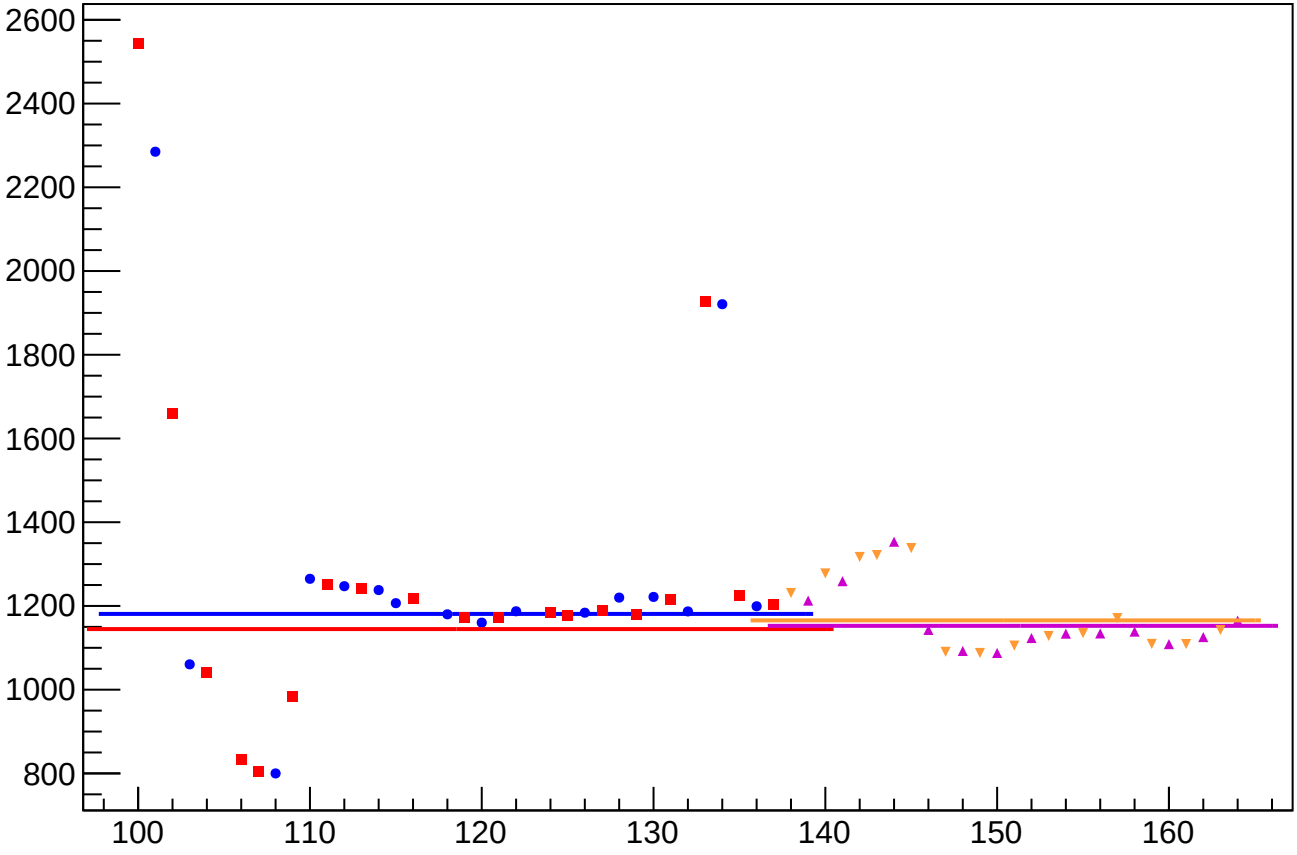
Left In: 887.535+/-348.579 χ^2/NDF:8.0/12

\+ sign 429.265+/-275.415 χ^2/NDF: 38.8/29

All: 542.894+/-193.485 χ^2/NDF: 65.2/61

\- 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: 1165.512+/-0.247 χ^2/NDF:112621.7/13

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

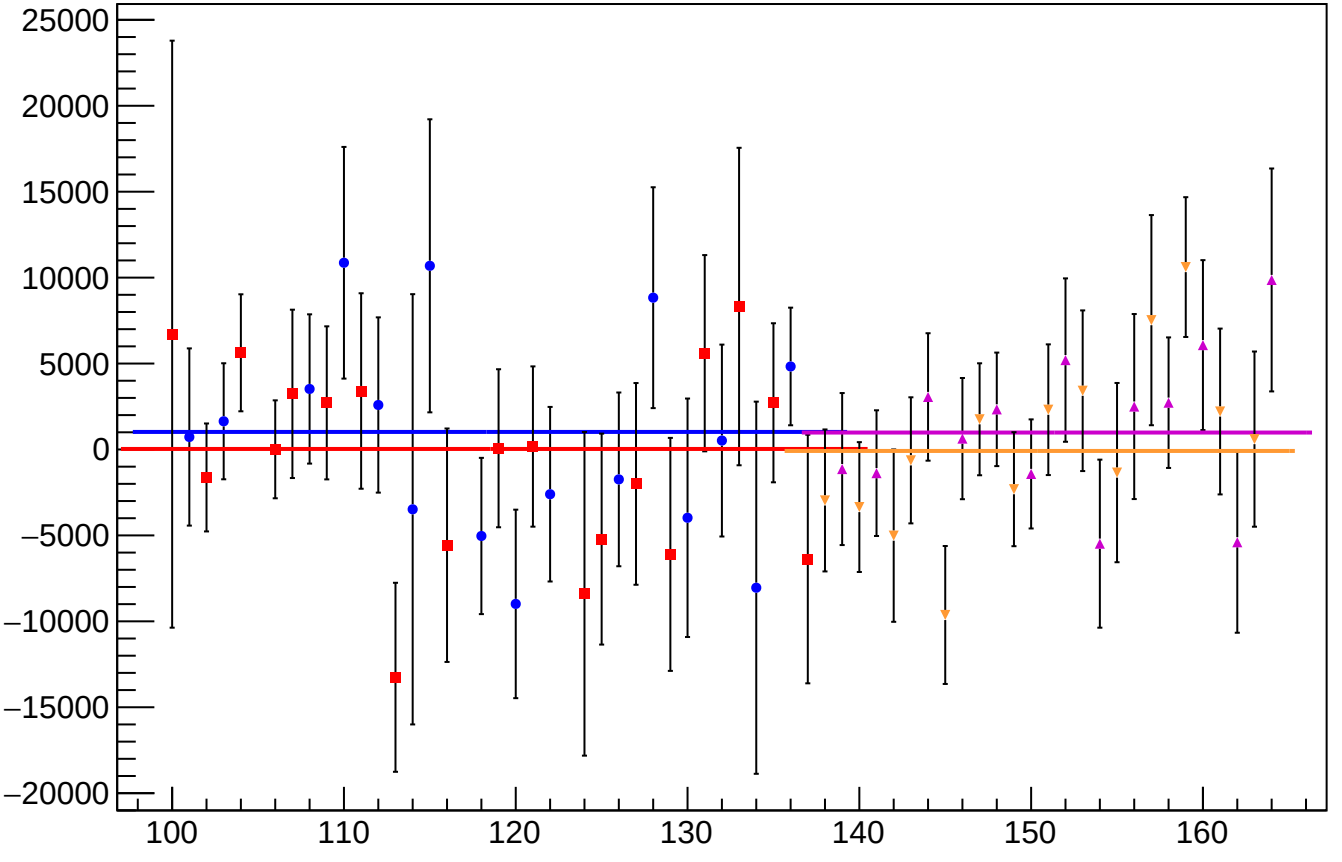
Left In: 1152.502+/-0.246 χ^2/NDF:74102.0/12

+ sign 1171.336+/-0.195 χ^2/NDF: 735977.3/29

All: 1160.262+/-0.137 χ^2/NDF: 1314578.0/61

- 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: -85.774+/-1110.891 χ^2/NDF:18.4/13

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

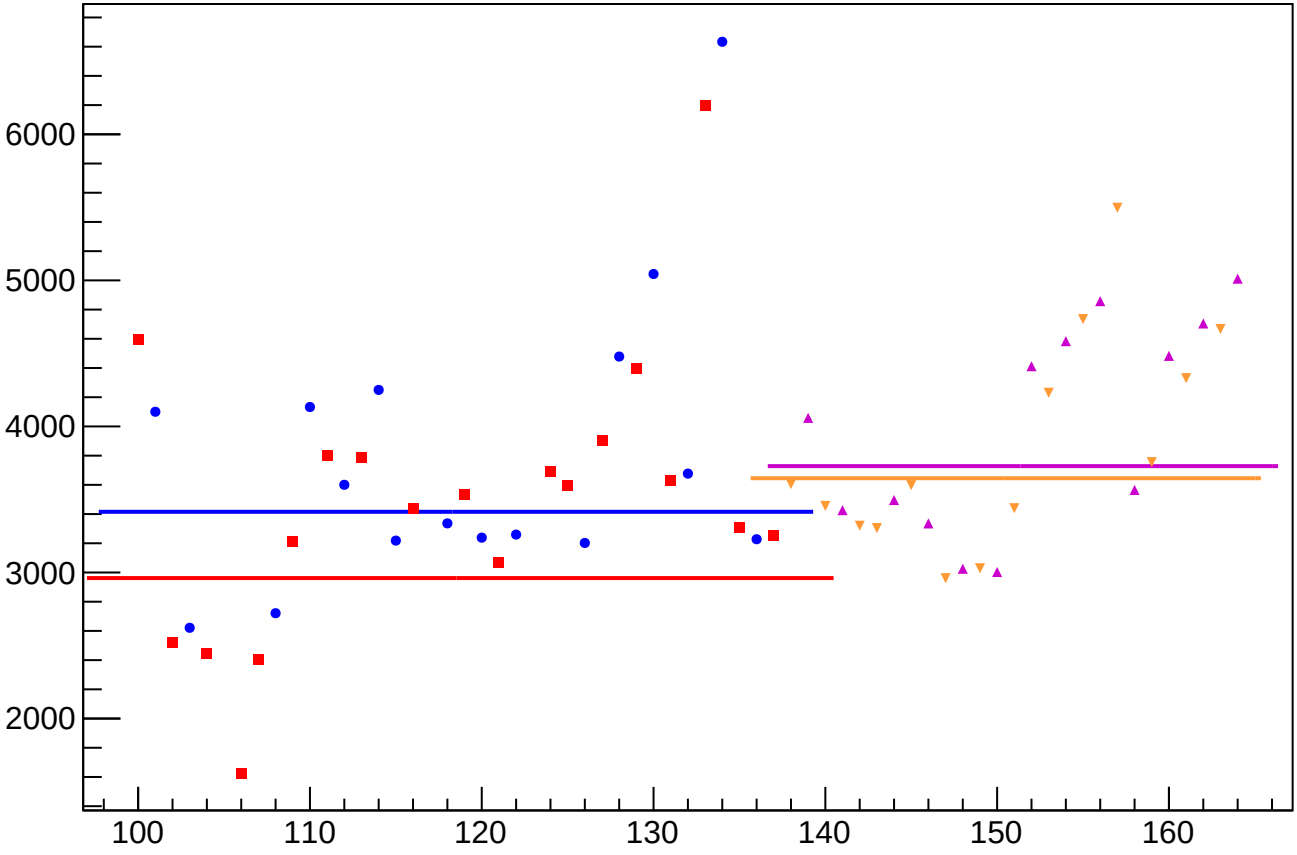
Left In: 985.046+/-1146.611 χ^2/NDF:8.9/12

+ sign 380.340+/-845.206 χ^2/NDF: 32.7/29

All: 443.567+/-582.957 χ^2/NDF: 58.1/61

- 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: 3645.442+/-0.786 χ^2/NDF:618703.3/13

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

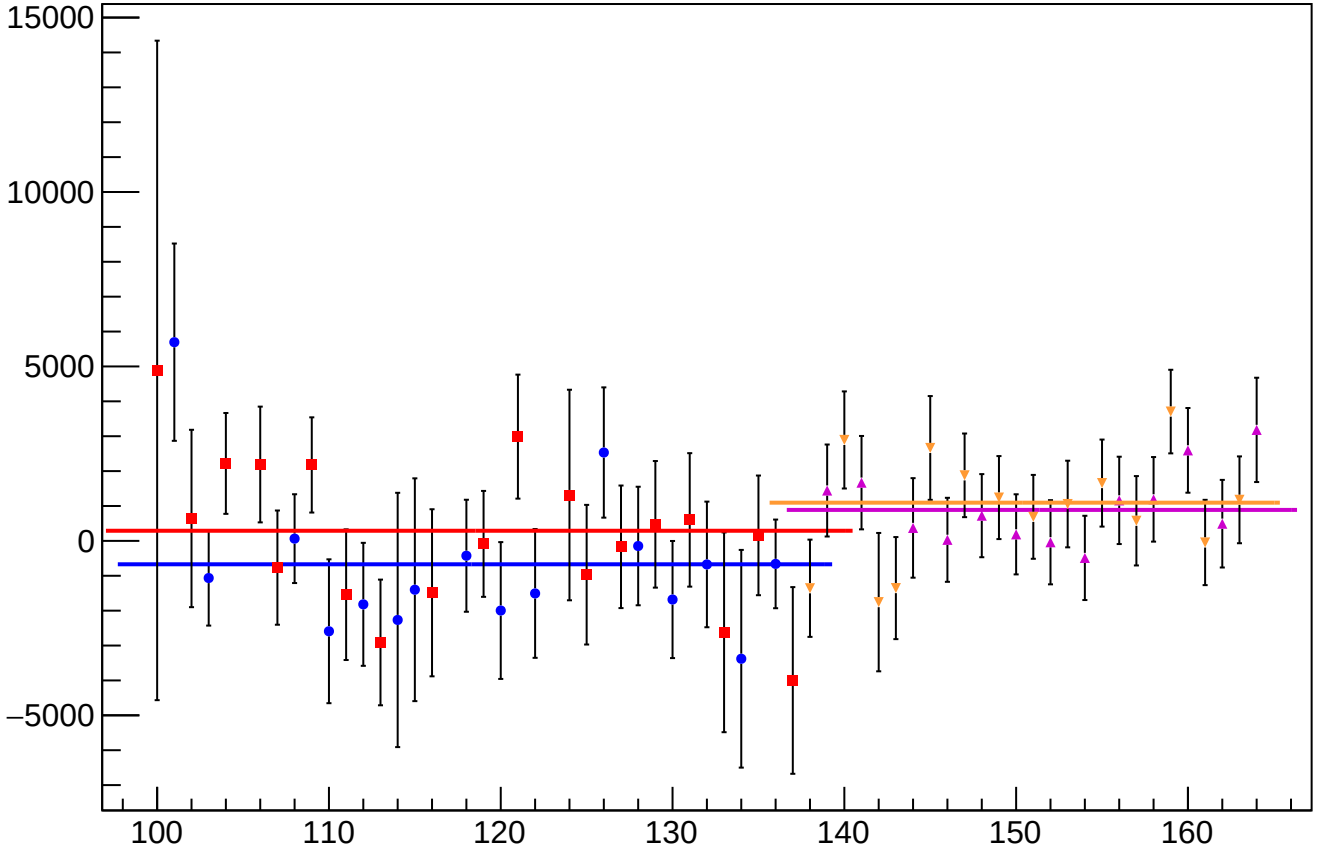
Left In: 3728.163+/-0.811 χ^2/NDF:640414.7/12

+ sign 3548.646+/-0.598 χ^2/NDF: 1247103.5/29

All: 3439.068+/-0.412 χ^2/NDF: 3573843.4/61

- 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: 1095.248+/-348.962 χ^2/NDF:17.3/13

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

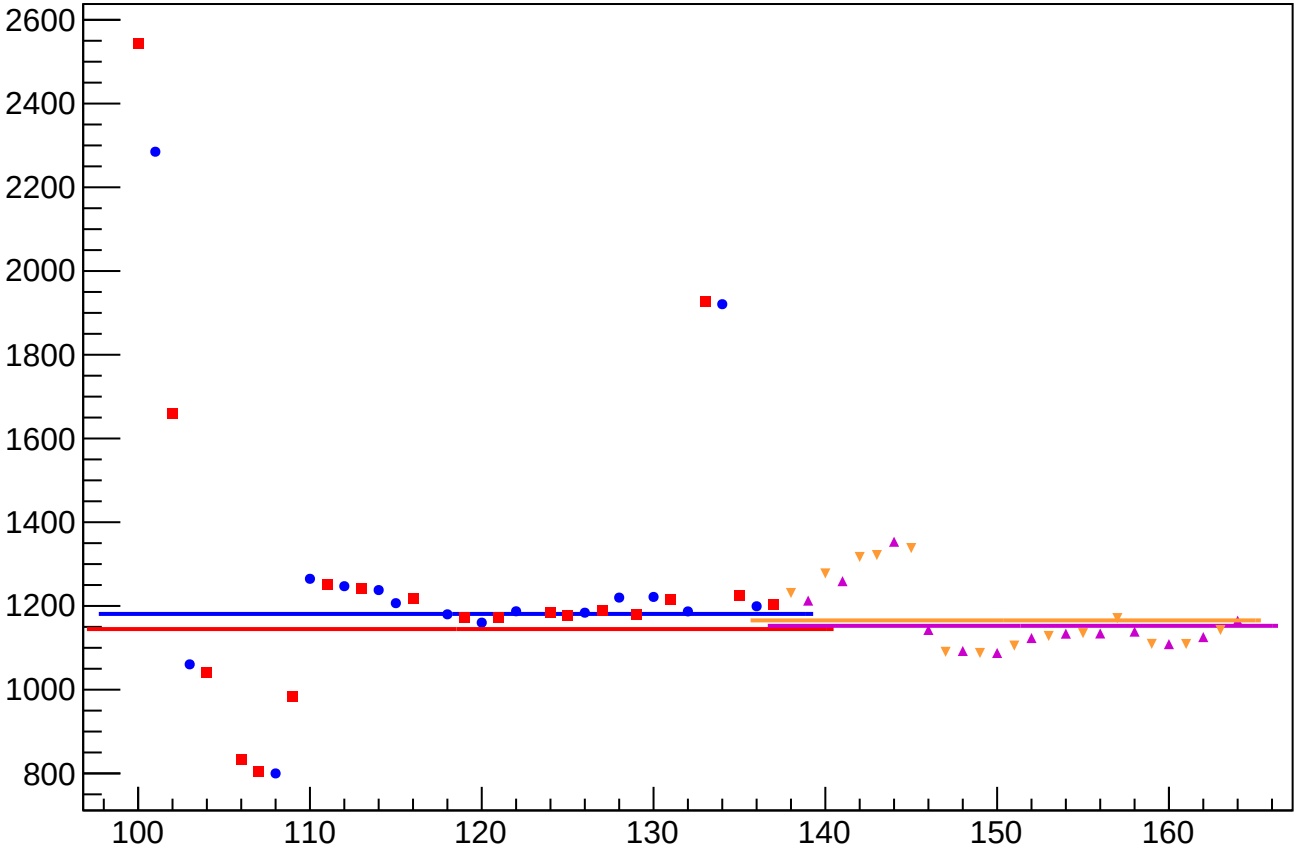
Left In: 887.535+/-348.580 χ^2/NDF:8.0/12

+ sign 429.269+/-275.416 χ^2/NDF: 38.8/29

All: 542.897+/-193.485 χ^2/NDF: 65.2/61

- 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: 1165.513+/-0.247 χ^2/NDF:112621.3/13

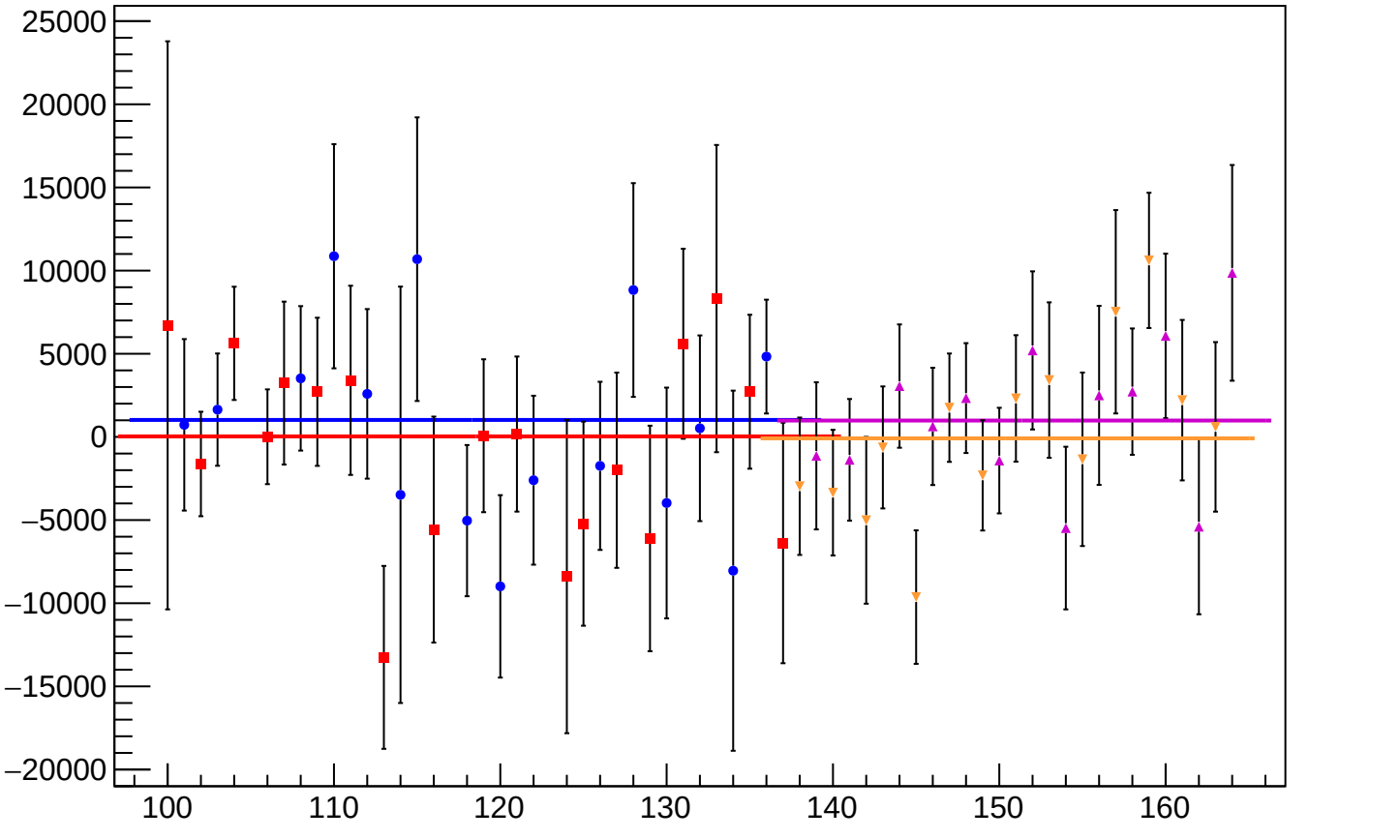
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

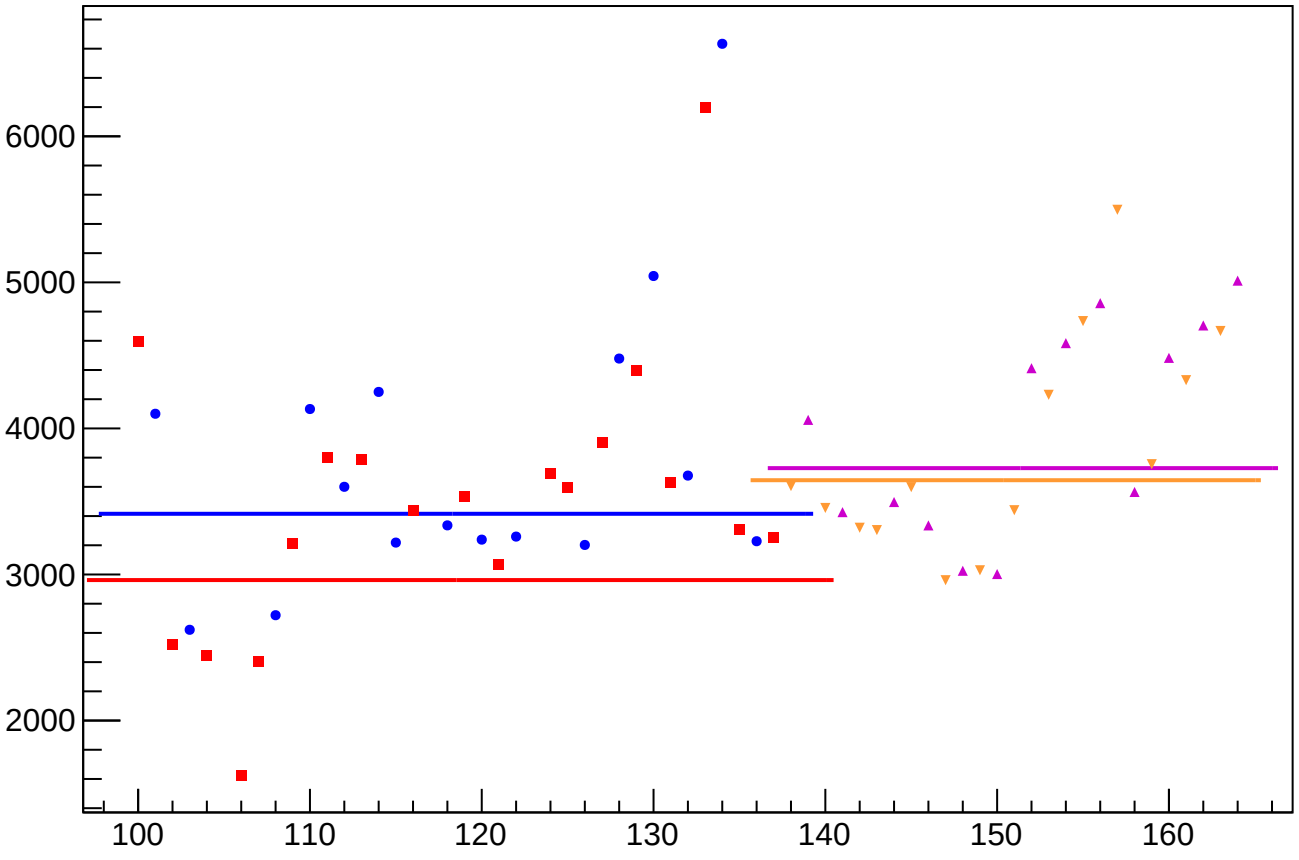
Left In: 1152.503+/-0.246 χ^2/NDF:74101.5/12

+ sign 1171.336+/-0.195 χ^2/NDF: 735977.0/29

All: 1160.263+/-0.137 χ^2/NDF: 1314576.7/61

- sign 1149.475+/-0.192 χ^2/NDF: 572216.8/31


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -85.771+/-1110.893 χ²/NDF:18.4/13
Right Out: 30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: 985.042+/-1146.613 χ²/NDF:8.9/12
+ sign 380.336+/-845.206 χ²/NDF: 32.7/29
All: 443.565+/-582.957 χ²/NDF: 58.1/61
- sign 500.937+/-805.107 χ²/NDF: 25.4/31



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3645.446+/-0.786 χ^2/NDF:618702.7/13

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

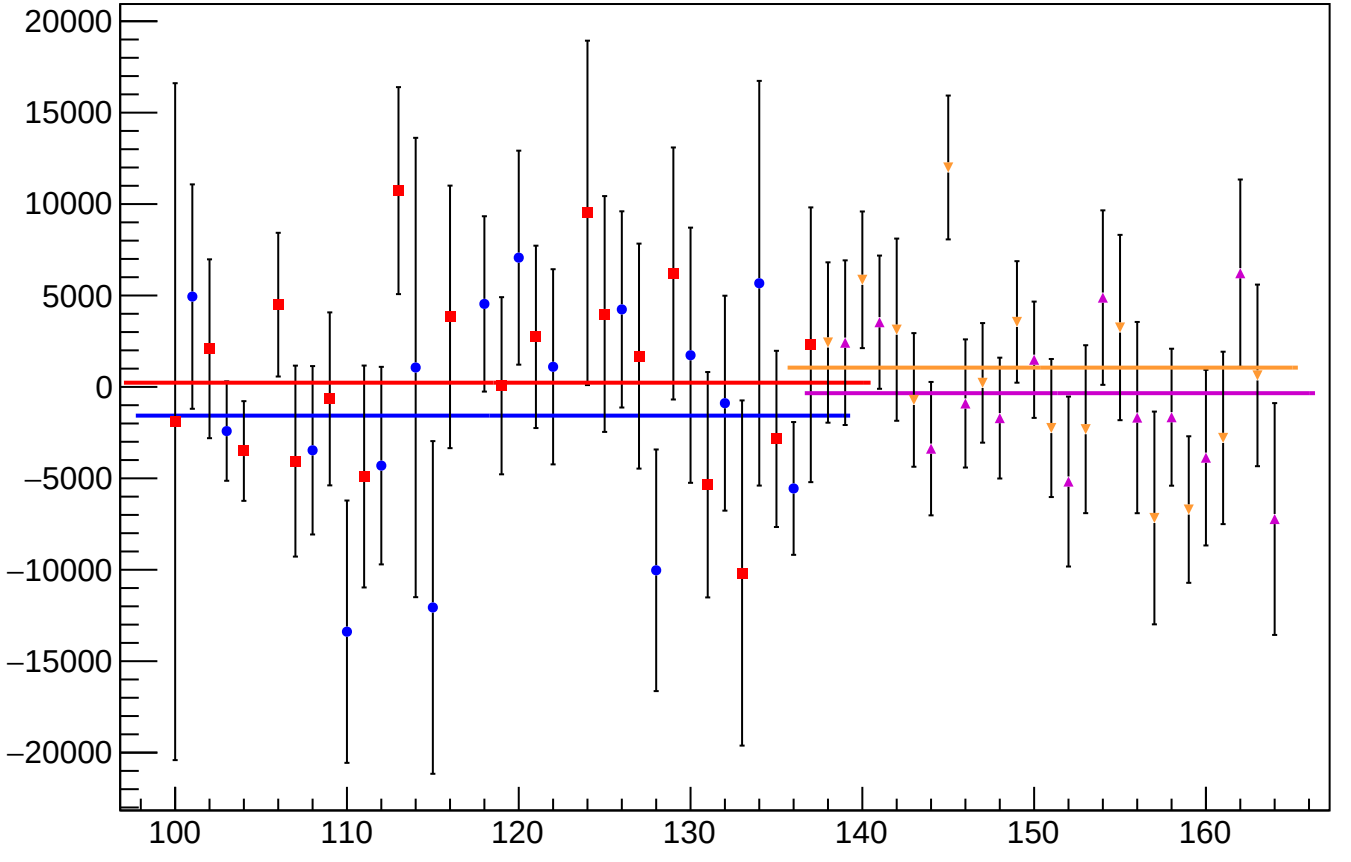
Left In: 3728.168+/-0.811 χ^2/NDF:640414.0/12

+ sign 3548.647+/-0.598 χ^2/NDF: 1247100.5/29

All: 3439.068+/-0.412 χ^2/NDF: 3573852.5/61

- 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: 1055.306+/-1103.427 χ^2/NDF:18.4/13

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

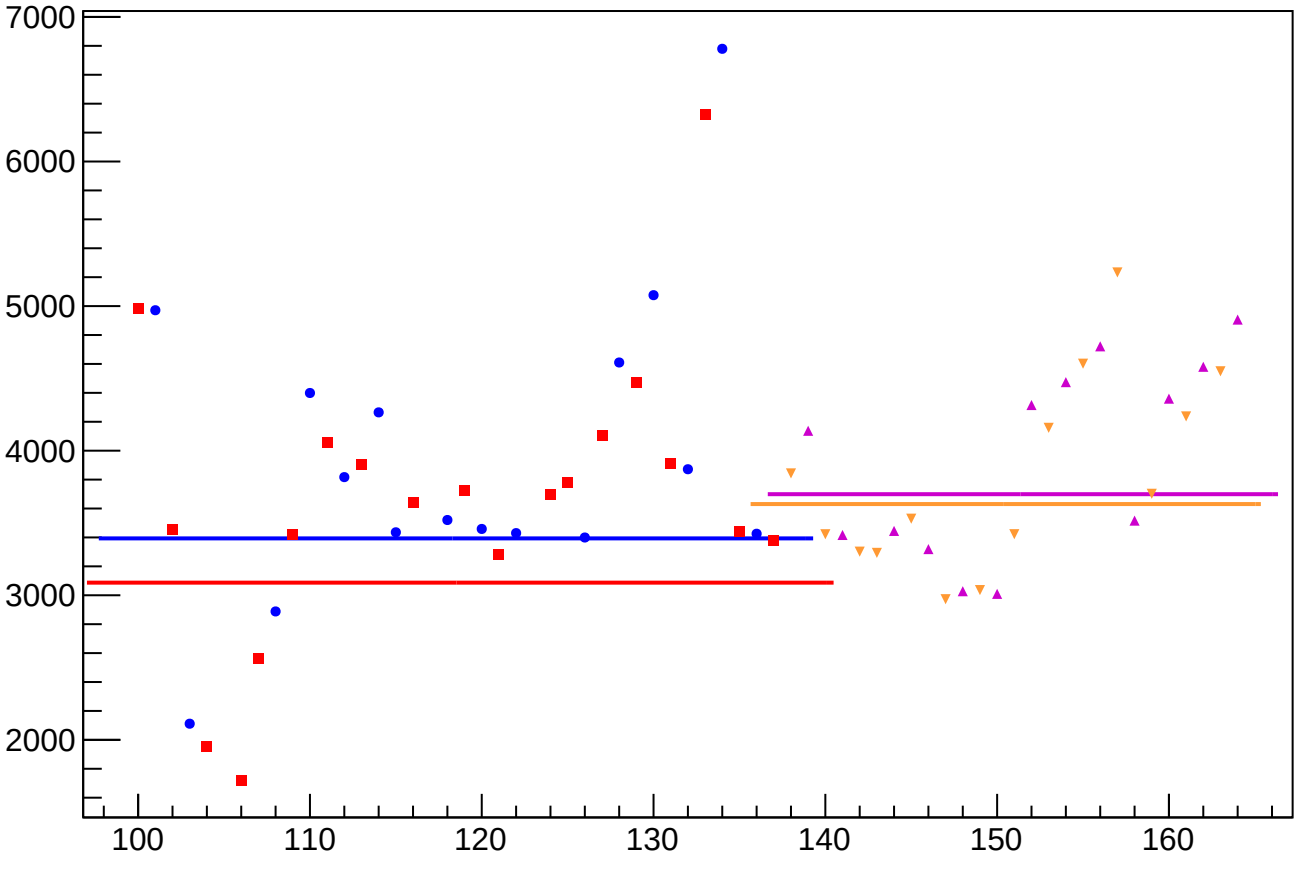
Left In: -342.175+/-1135.159 χ^2/NDF:8.6/12

+ sign -31.340+/-844.722 χ^2/NDF: 35.3/29

All: -54.585+/-592.910 χ^2/NDF: 57.2/61

- 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: 3630.834+/-0.780 χ^2/NDF:542748.9/13

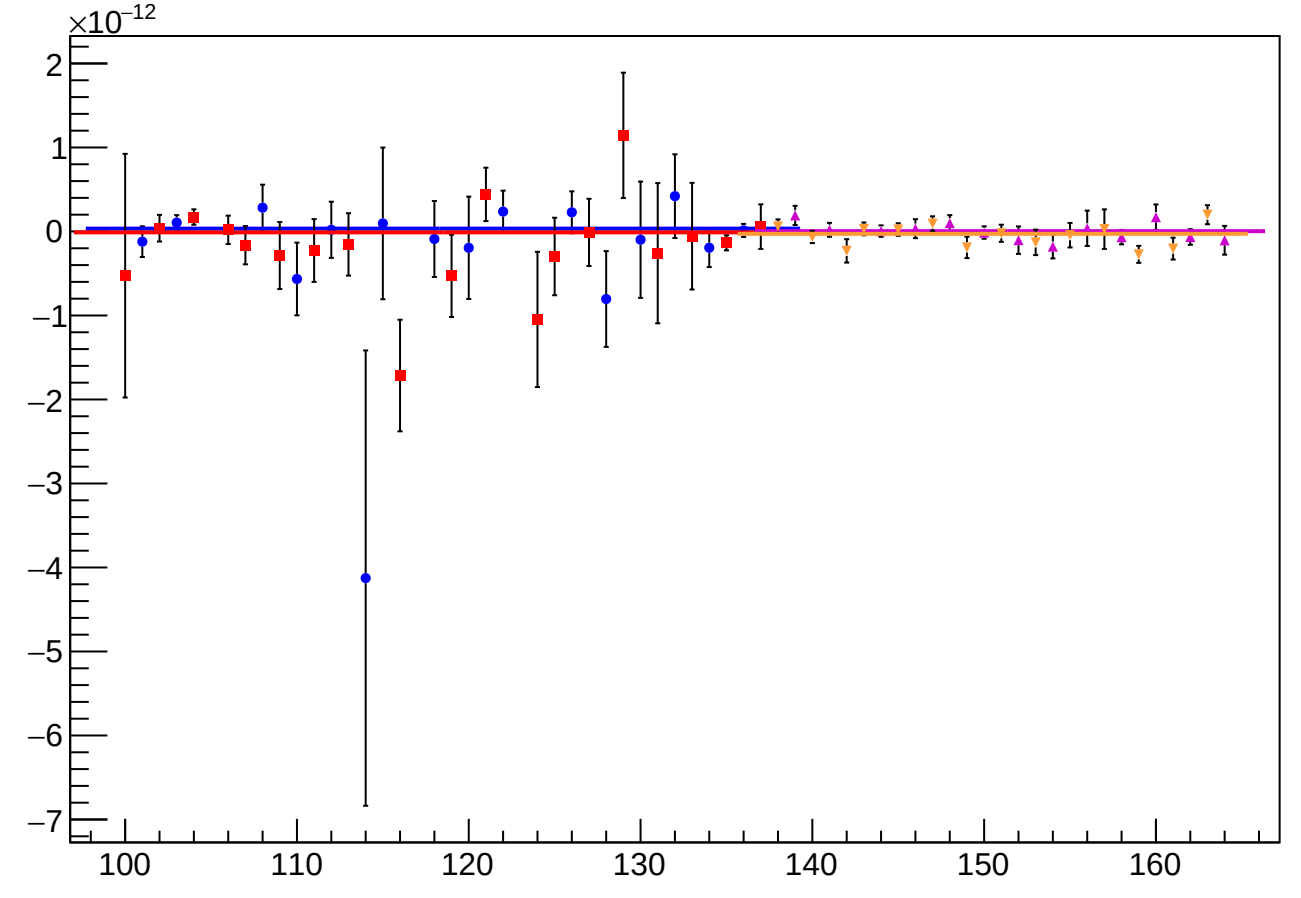
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3699.114+/-0.803 χ^2/NDF:579358.9/12

+ sign 3532.535+/-0.597 χ^2/NDF: 1629800.3/29

All: 3470.475+/-0.418 χ^2/NDF: 3832071.9/61

- 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:20.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

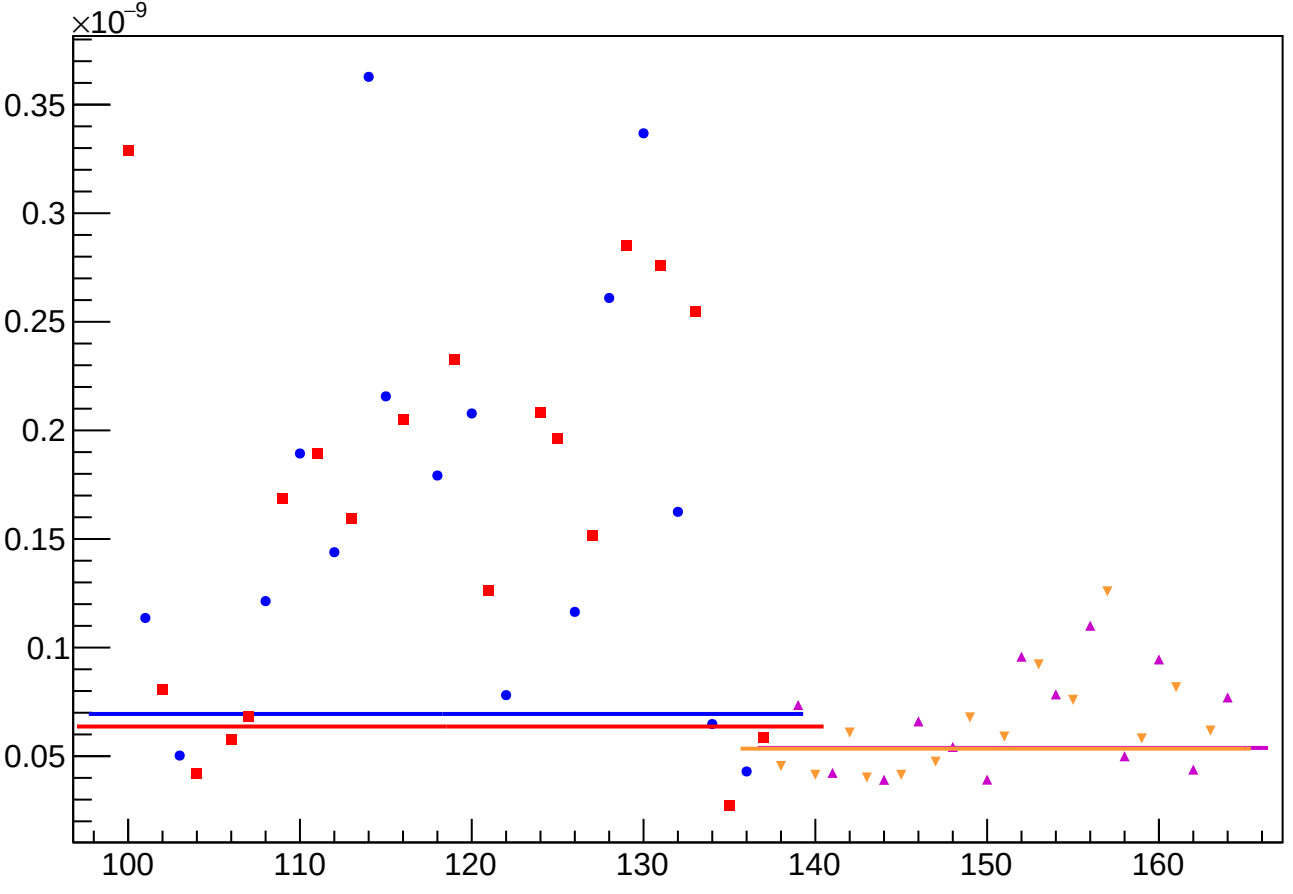
Left In: 0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/29

All: -0.000+/-0.000 χ^2/NDF: 64.3/61

- sign 0.000+/-0.000 χ^2/NDF: 30.8/31

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710282.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

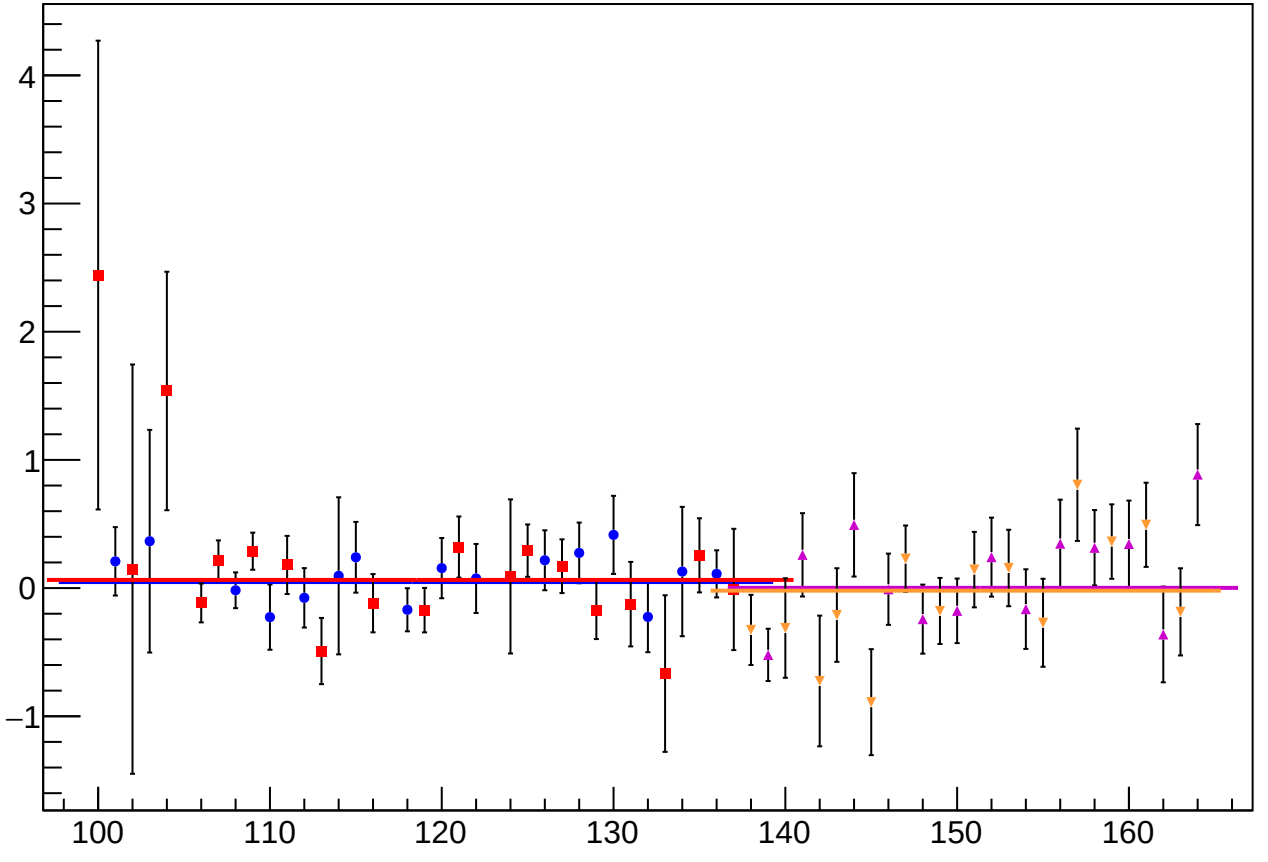
Left In: 0.000+/-0.000 χ^2/NDF:837132.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 2603052.2/29

All: 0.000+/-0.000 χ^2/NDF: 5751939.9/61

- 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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

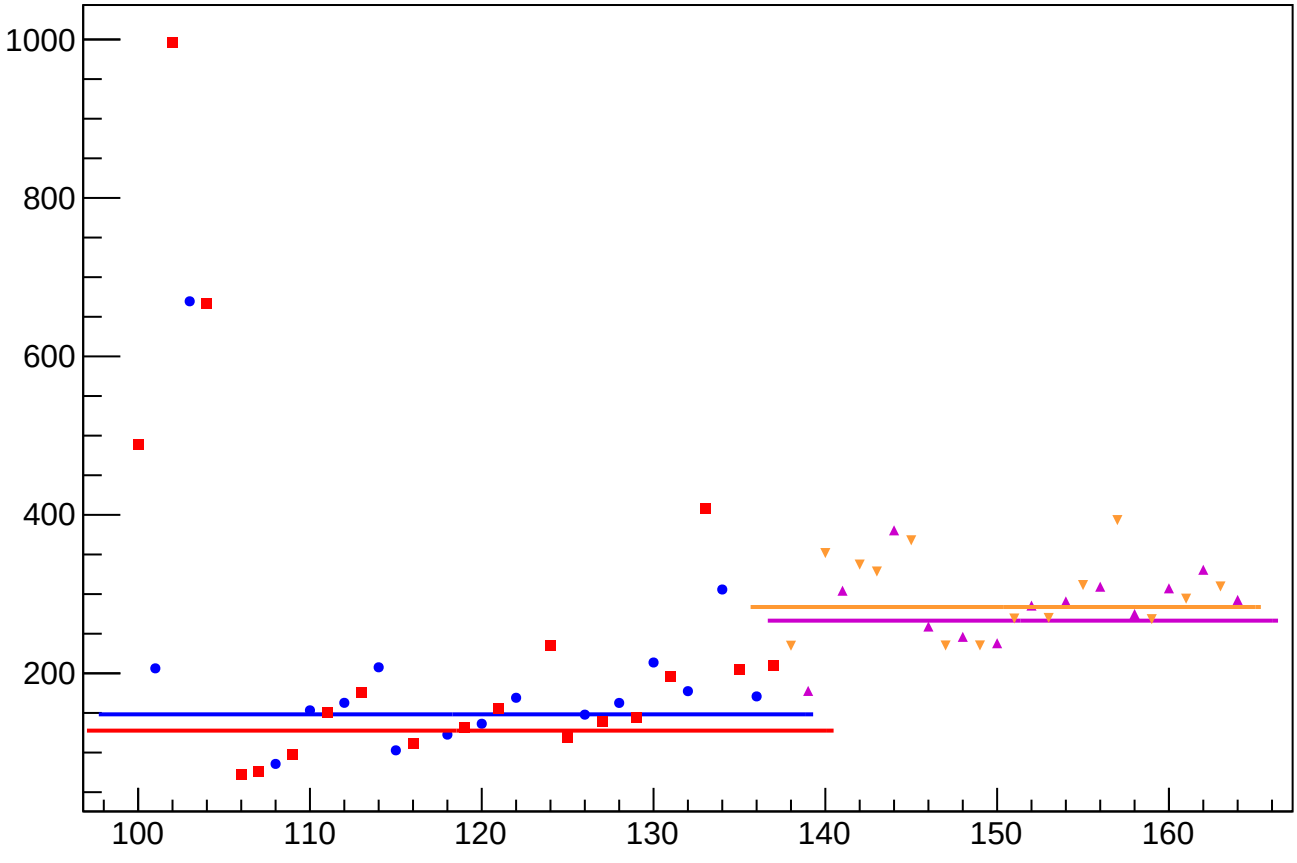
Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.036+/-0.034 χ^2/NDF: 70.6/61

- 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: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

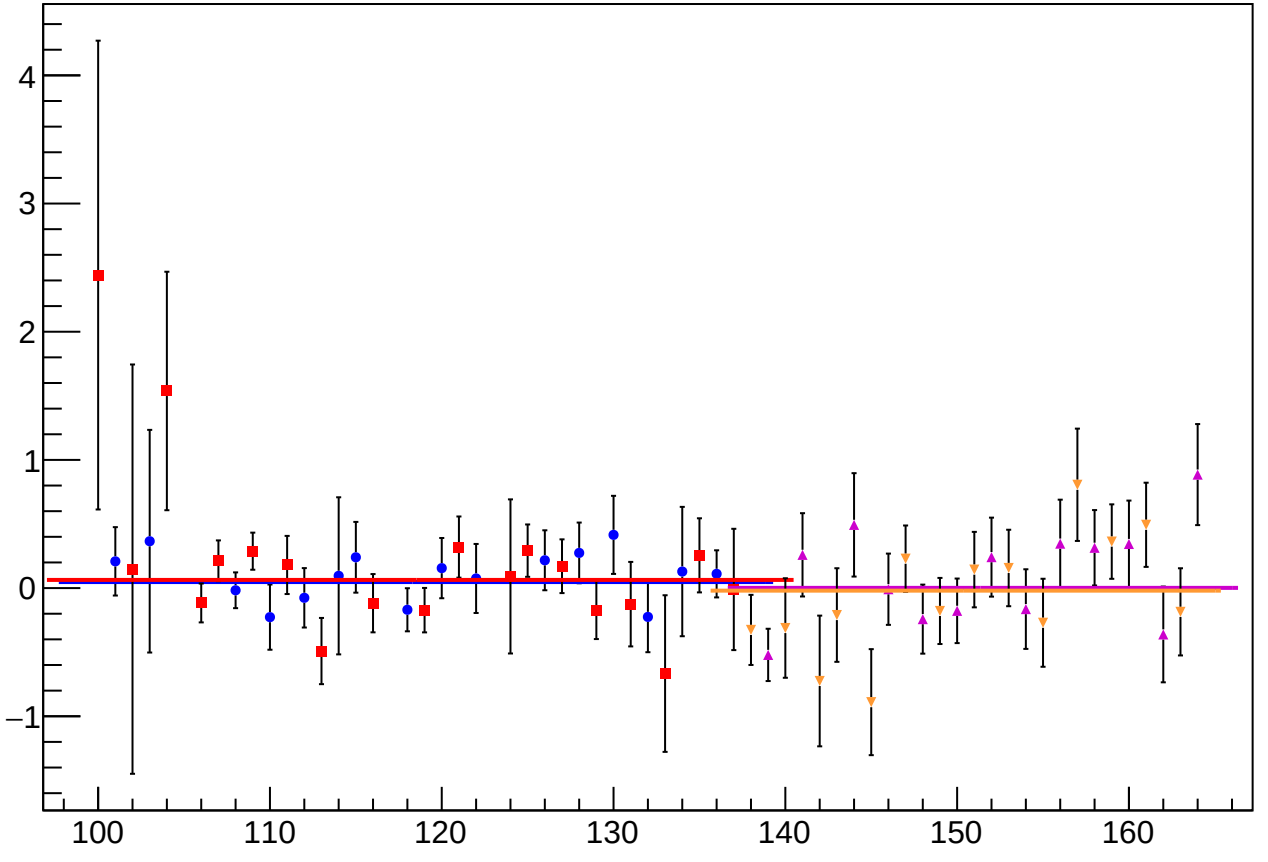
Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

+ sign 192.219+/-0.035 χ^2/NDF: 5585026.7/29

All: 180.107+/-0.024 χ^2/NDF: 13310145.3/61

- 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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

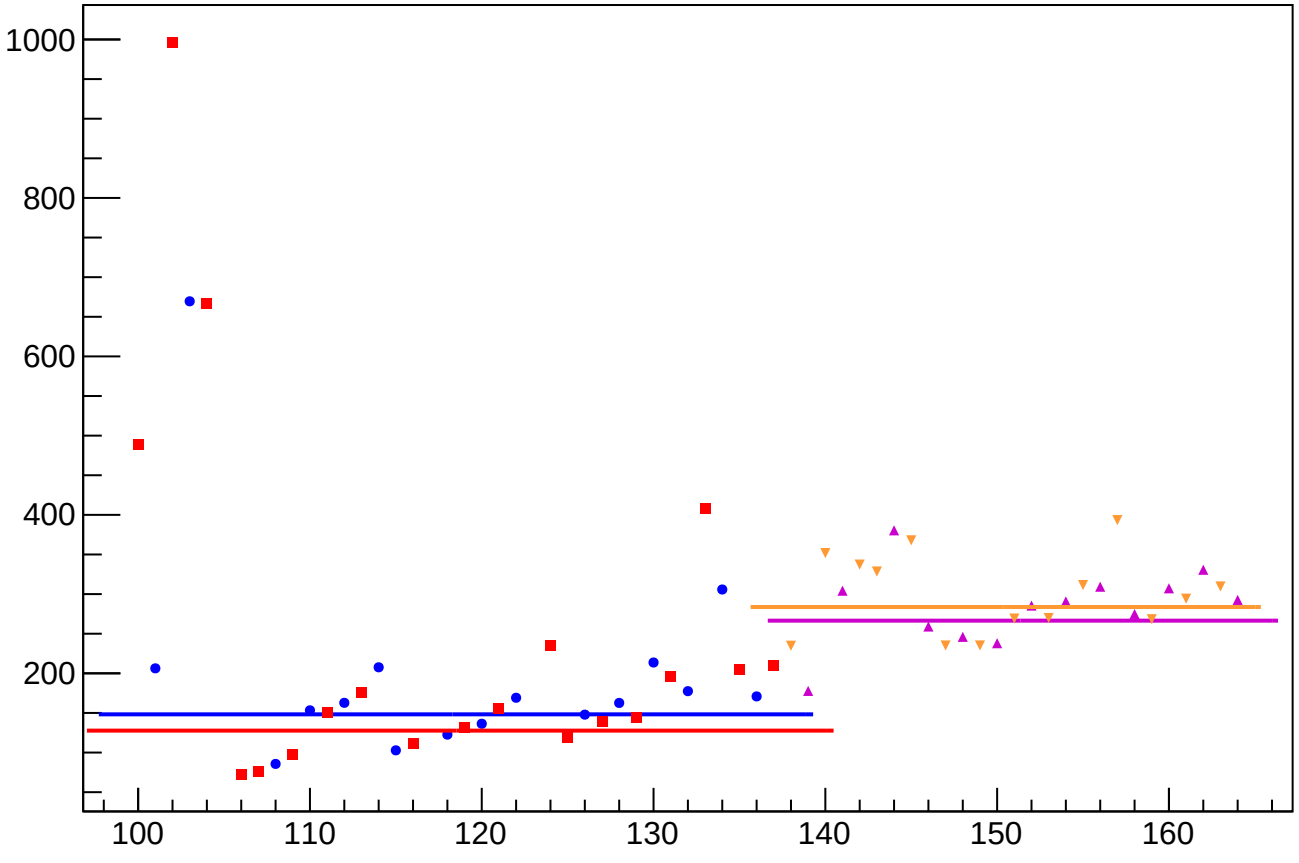
Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.036+/-0.034 χ^2/NDF: 70.6/61

- 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: 283.710+/-0.061 χ^2/NDF:568257.6/13

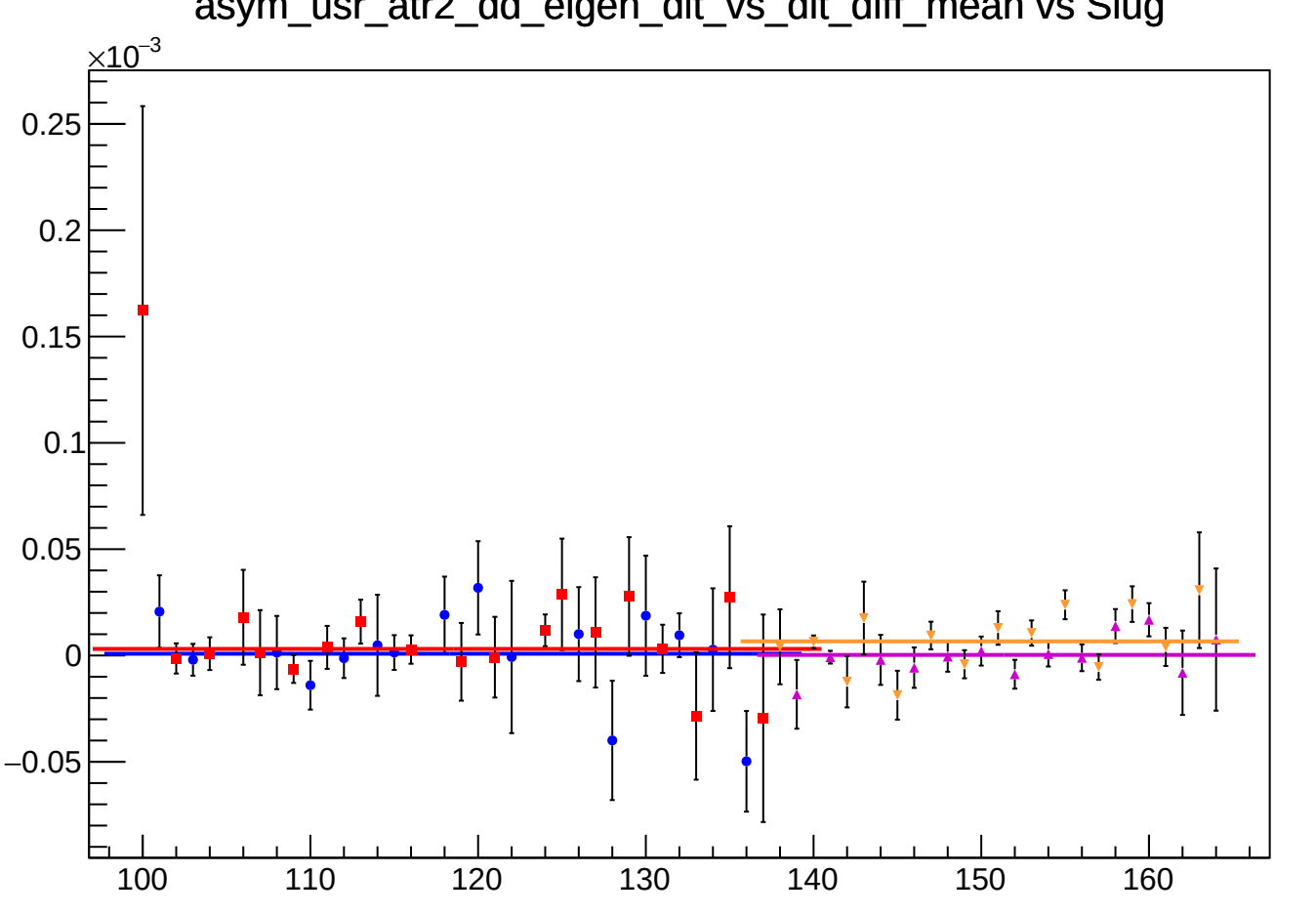
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

+ sign 192.219+/-0.035 χ^2/NDF: 5585026.7/29

All: 180.107+/-0.024 χ^2/NDF: 13310145.3/61

- sign 169.739+/-0.032 χ^2/NDF: 7501341.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

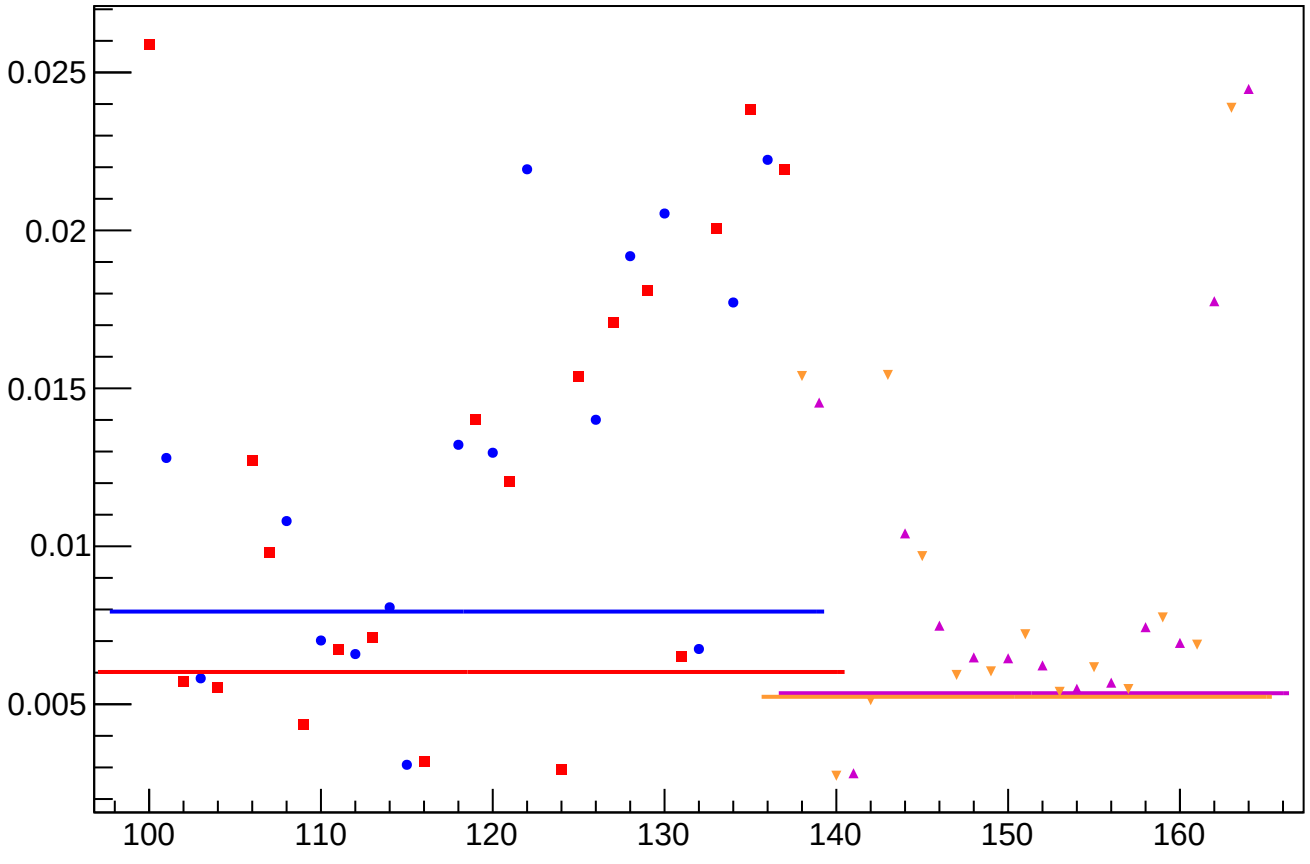
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/29

All: 0.000+/-0.000 χ^2/NDF: 72.2/61

- sign 0.000+/-0.000 χ^2/NDF: 24.9/31



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:4477295.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

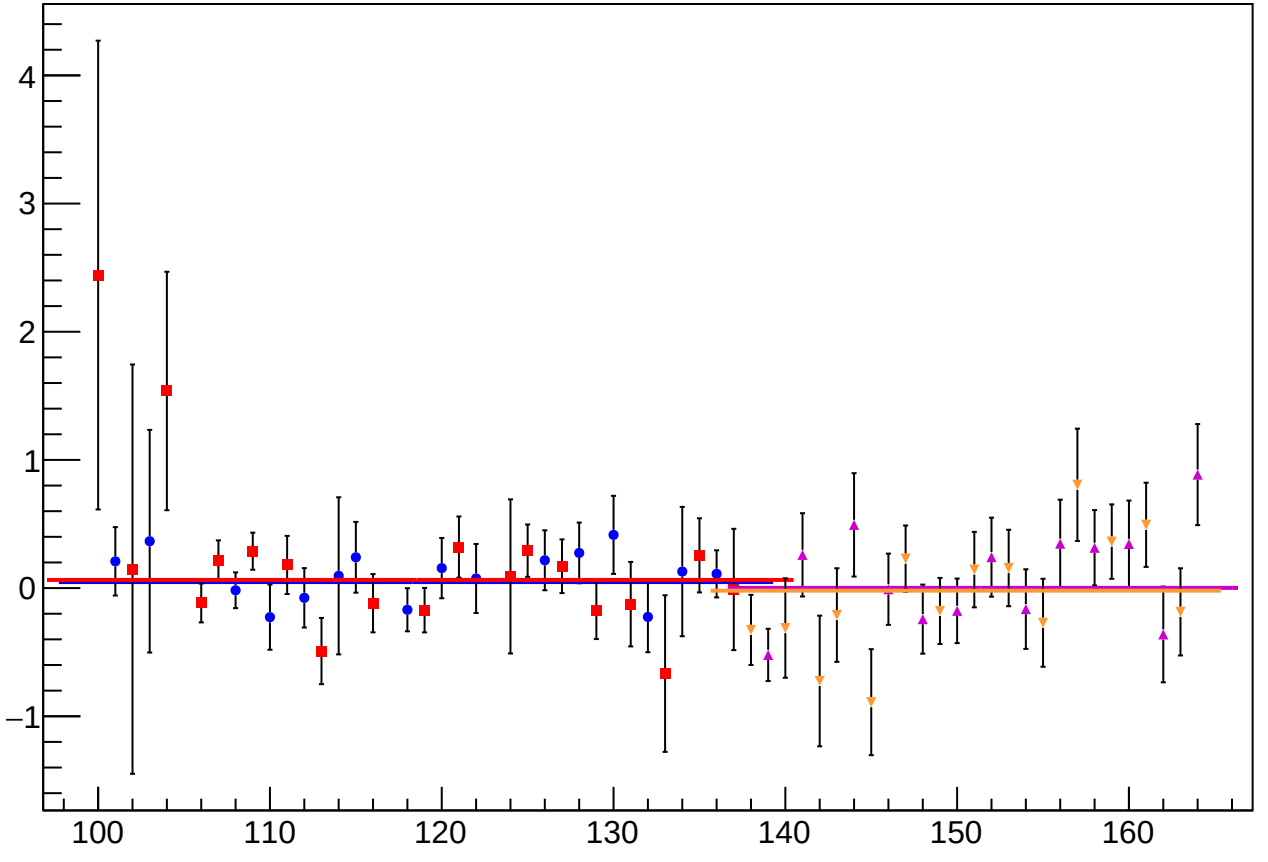
Left In: 0.005+/-0.000 χ^2/NDF:4347318.2/12

+ sign 0.006+/-0.000 χ^2/NDF: 9006438.2/29

All: 0.006+/-0.000 χ^2/NDF: 17474784.7/61

- sign 0.006+/-0.000 χ^2/NDF: 8443547.7/31

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

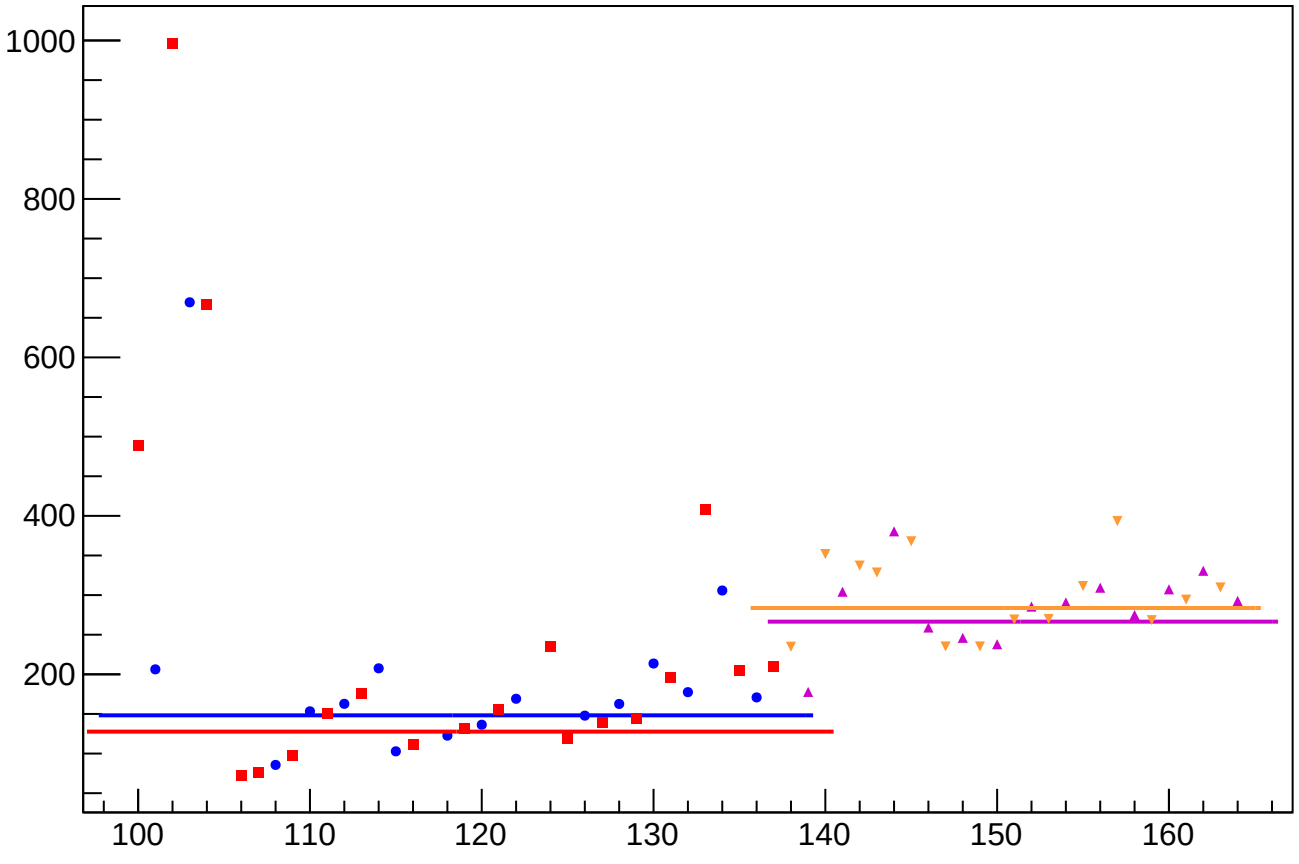
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.036+/-0.034 χ^2/NDF: 70.6/61

- 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: 283.714+/-0.061 χ^2/NDF:568231.1/13

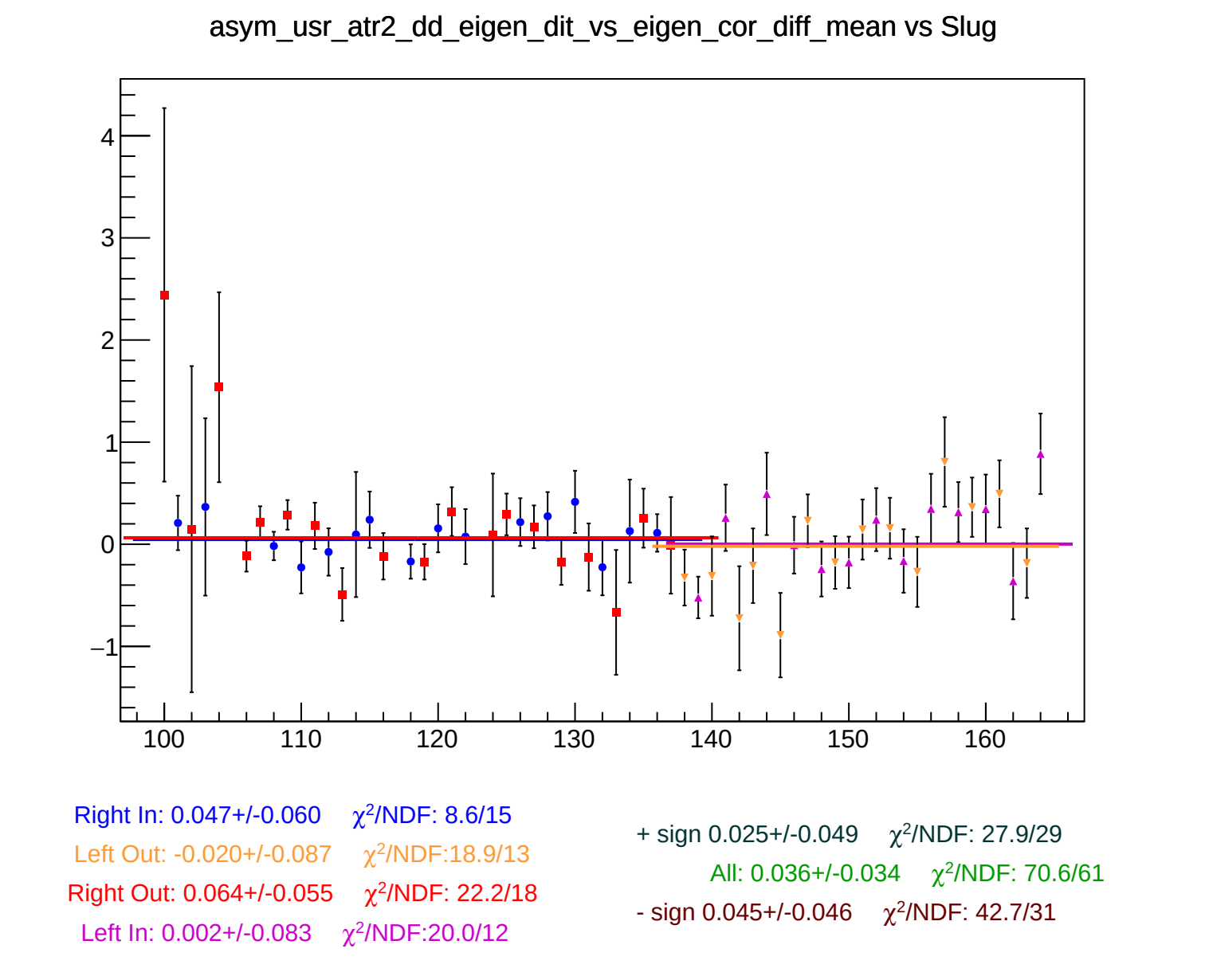
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

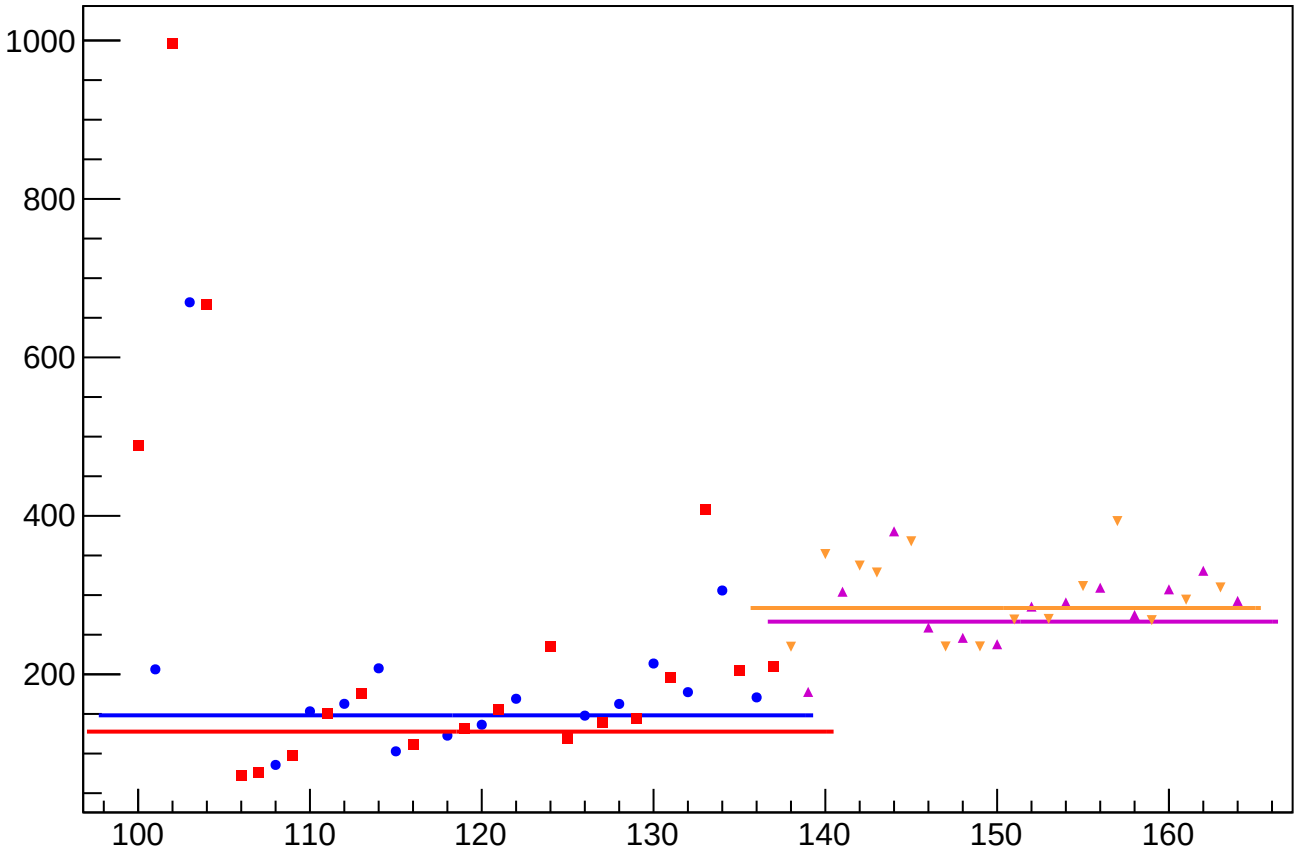
Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

+ sign 192.218+/-0.035 χ^2/NDF: 5585360.2/29

All: 180.106+/-0.024 χ^2/NDF: 13310520.6/61

- sign 169.740+/-0.032 χ^2/NDF: 7501428.4/31


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.020+/-0.087 χ²/NDF:18.9/13
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.002+/-0.083 χ²/NDF:20.0/12
+ sign 0.025+/-0.049 χ²/NDF: 27.9/29
All: 0.036+/-0.034 χ²/NDF: 70.6/61
- sign 0.045+/-0.046 χ²/NDF: 42.7/31


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
800
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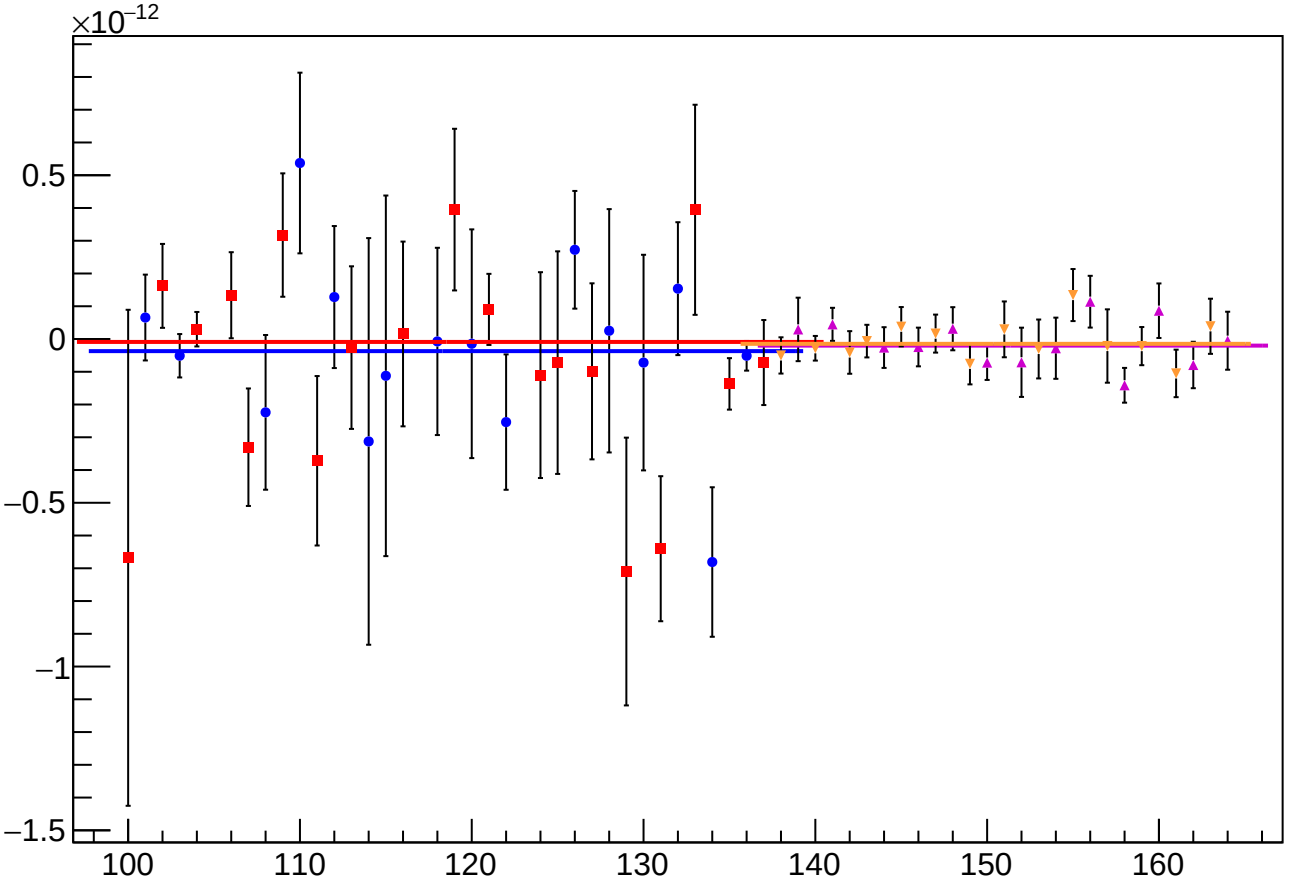
120
130
140
150
160
Right In: 148.238+/-0.042 χ²/NDF: 1710114.4/15
Left Out: 283.714+/-0.061 χ²/NDF:568231.1/13
Right Out: 127.685+/-0.039 χ²/NDF: 2841772.5/18
Left In: 266.488+/-0.059 χ²/NDF:753141.6/12
+ sign 192.218+/-0.035 χ²/NDF: 5585360.2/29
All: 180.106+/-0.024 χ²/NDF: 13310520.6/61
- sign 169.740+/-0.032 χ²/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:8.5/13

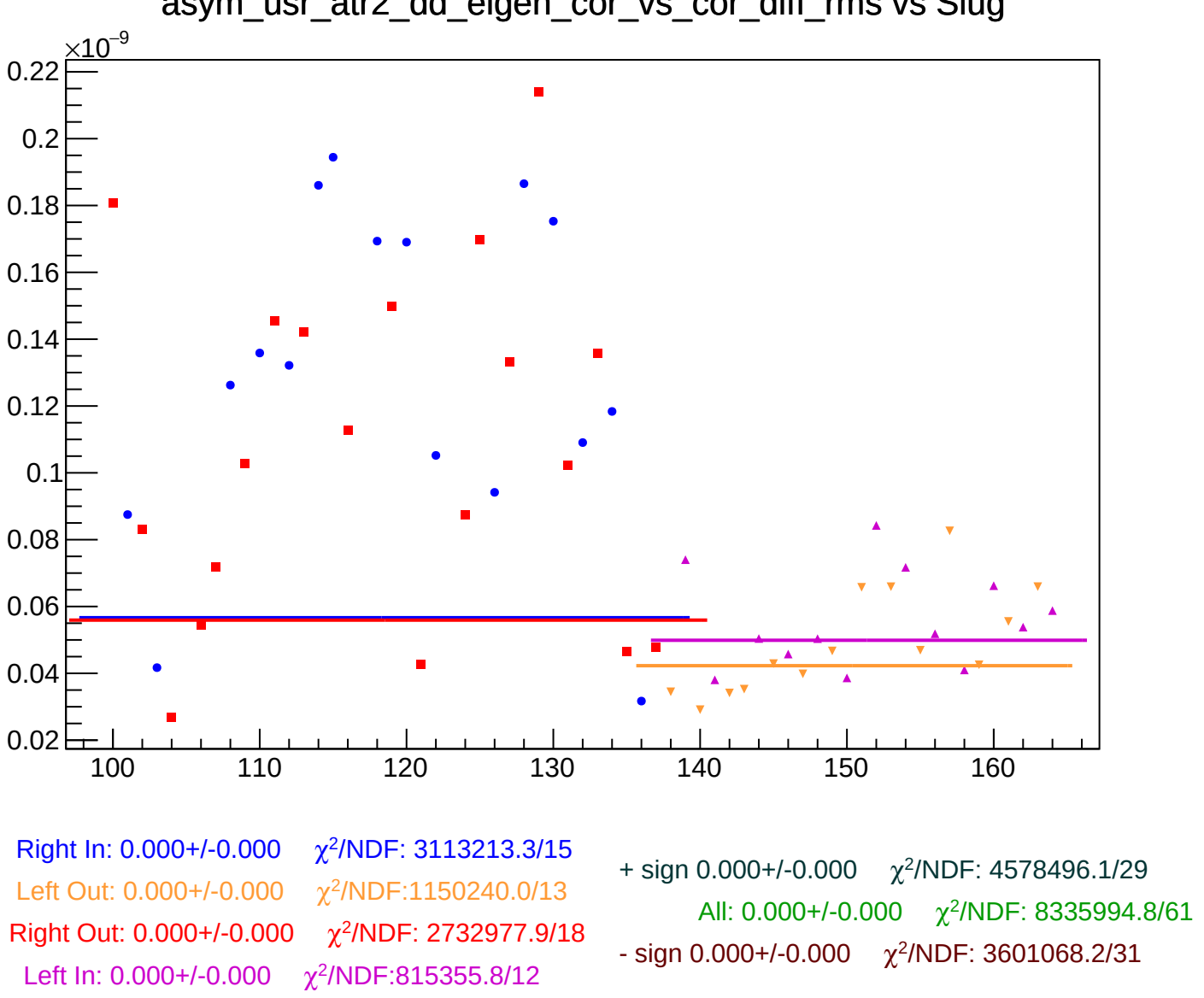
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/12

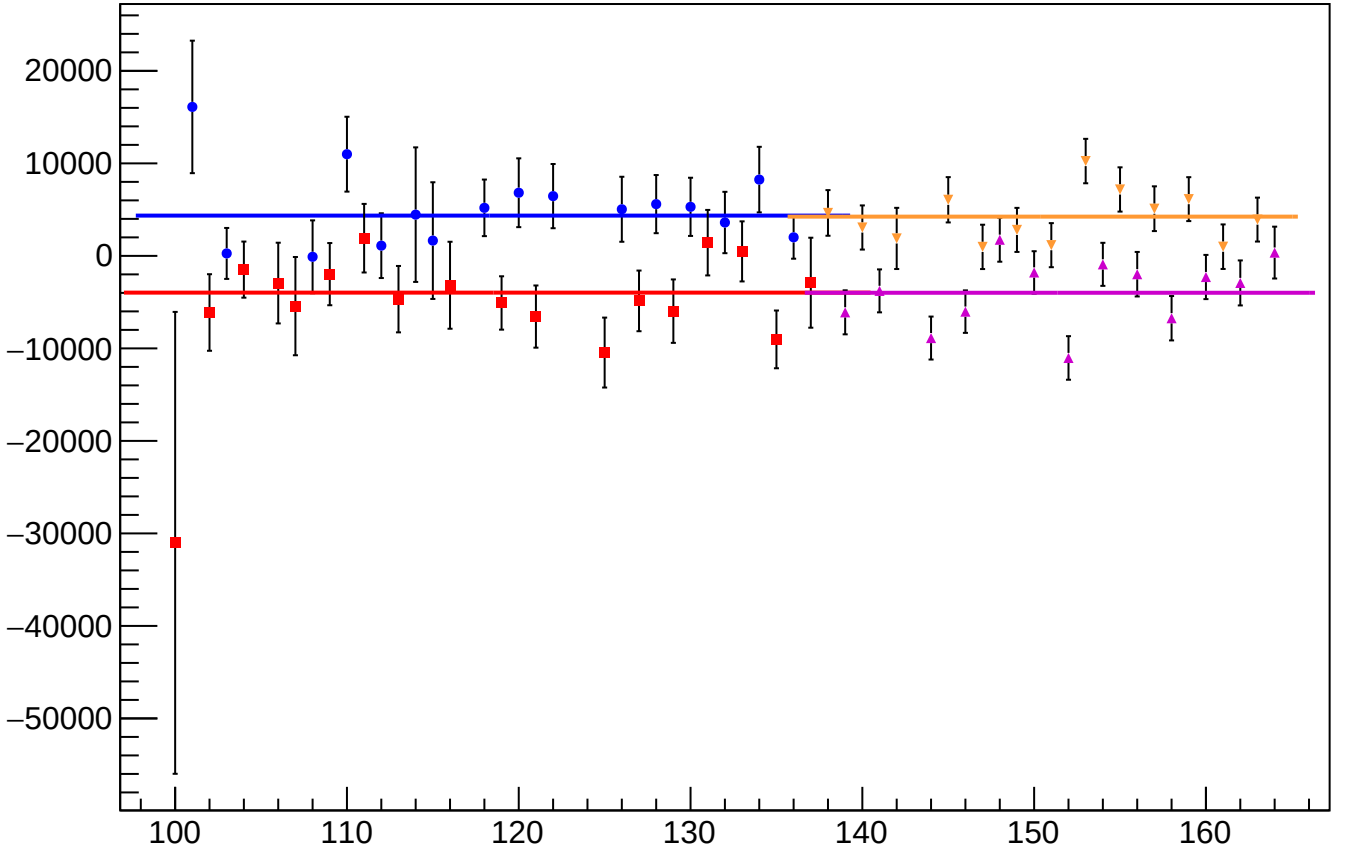
+ sign -0.000+/-0.000 χ^2/NDF: 28.4/29

All: -0.000+/-0.000 χ^2/NDF: 74.4/61

- sign -0.000+/-0.000 χ^2/NDF: 46.1/31


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1150240.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:815355.8/12
+ sign 0.000+/-0.000 χ²/NDF: 4578496.1/29
All: 0.000+/-0.000 χ²/NDF: 8335994.8/61
- sign 0.000+/-0.000 χ²/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: 4243.340+/-678.694 χ^2/NDF:15.6/12

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

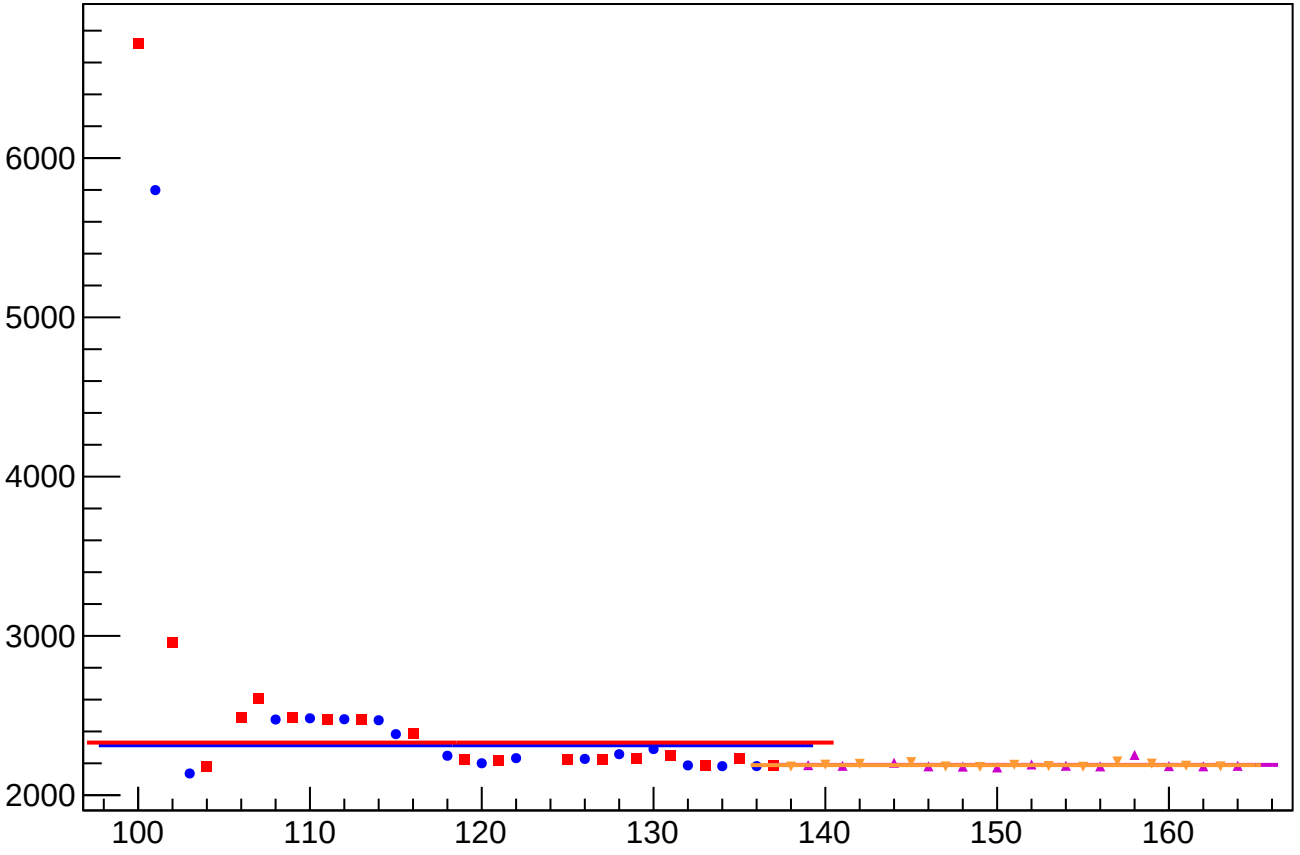
Left In: -3987.345+/-661.247 χ^2/NDF:28.6/12

+ sign 4285.030+/-536.317 χ^2/NDF: 29.0/28

All: 77.199+/-375.800 χ^2/NDF: 194.6/59

- 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: 2188.596+/-0.480 χ^2/NDF:518.1/12

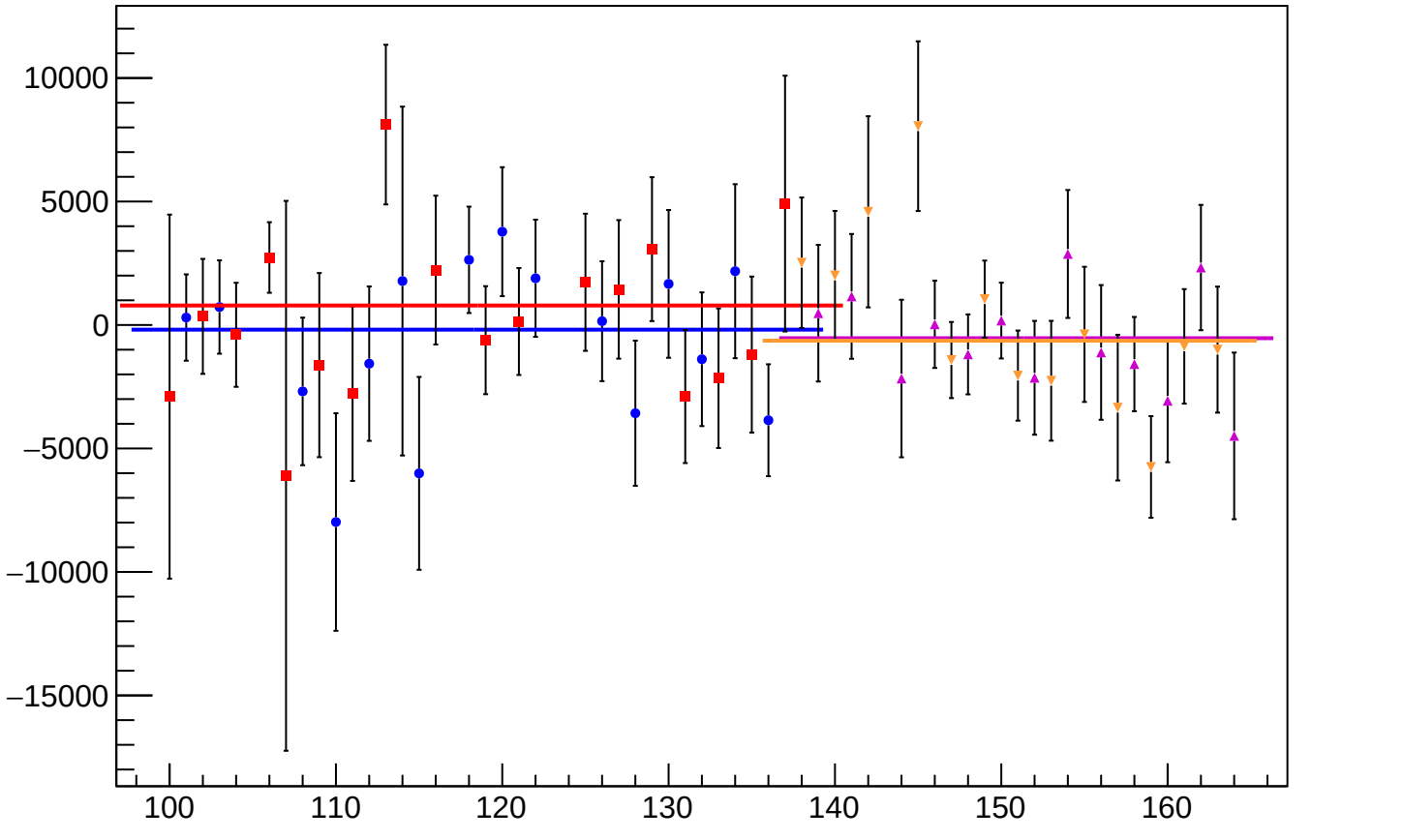
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2235.472+/-0.379 χ^2/NDF: 538293.8/28

All: 2238.449+/-0.266 χ^2/NDF: 724123.9/59

- 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: -635.477+/-624.091 χ^2/NDF:20.2/12

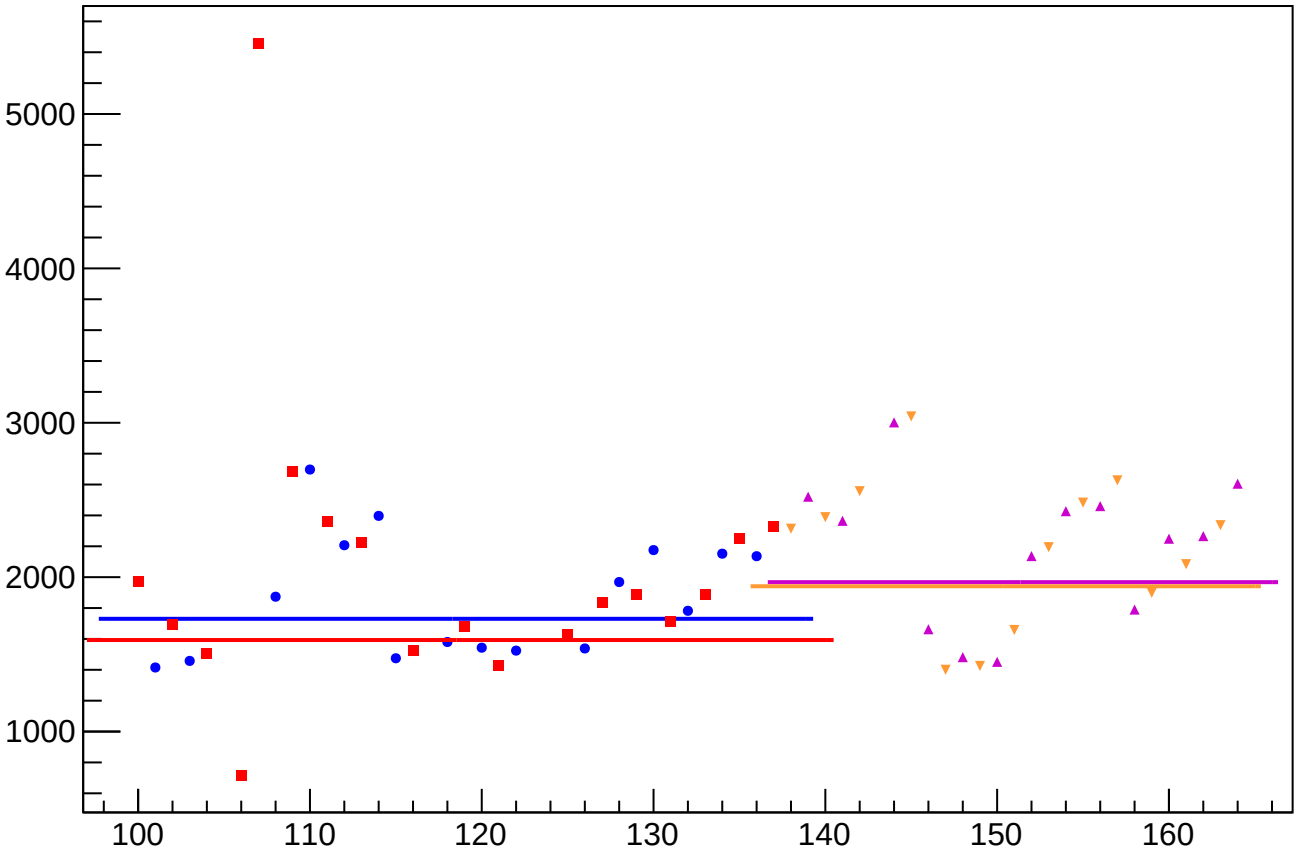
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -535.000+/-612.832 χ^2/NDF:7.6/12

+ sign -423.990+/-452.921 χ^2/NDF: 36.9/28

All: -153.047+/-315.940 χ^2/NDF: 62.3/59

- 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: 1941.058+/-0.441 χ^2/NDF:1132239.7/12

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

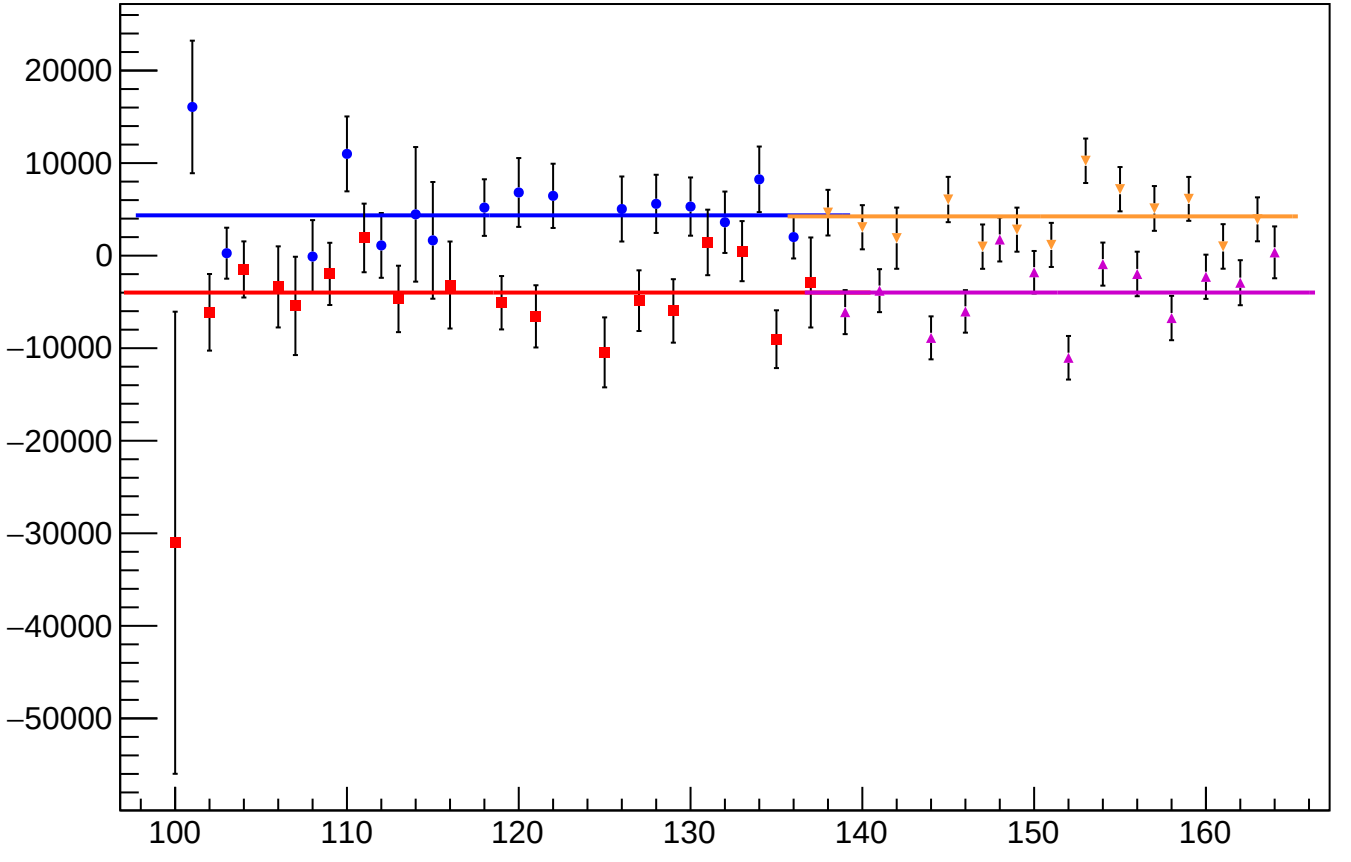
Left In: 1967.703+/-0.433 χ^2/NDF:1086756.0/12

+ sign 1841.297+/-0.320 χ^2/NDF: 1719142.2/28

All: 1813.365+/-0.223 χ^2/NDF: 4737881.7/59

- sign 1786.892+/-0.312 χ^2/NDF: 3003923.7/30

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

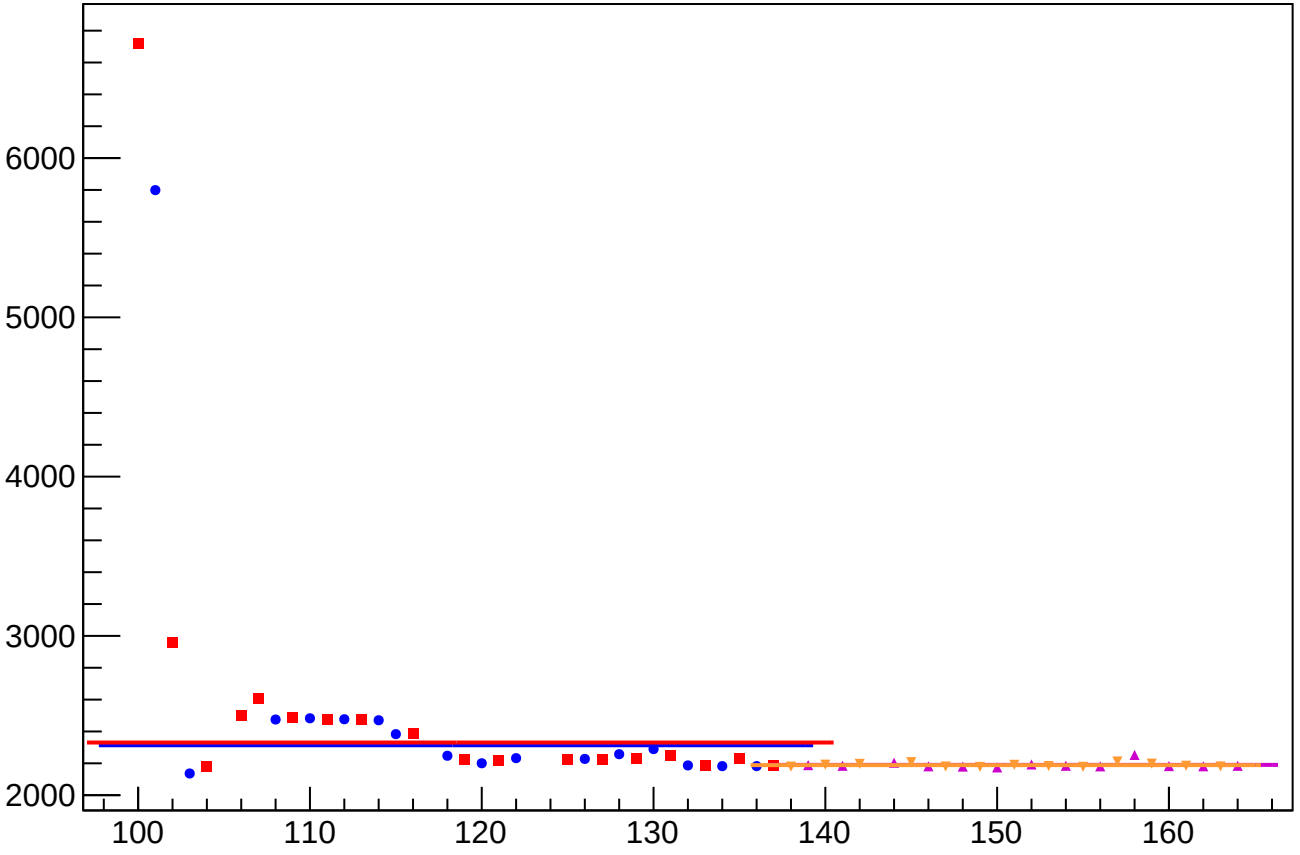
Left In: -3987.493+/-661.247 χ^2/NDF:28.6/12

+ sign 4284.716+/-536.317 χ^2/NDF: 29.0/28

All: 73.872+/-375.812 χ^2/NDF: 194.8/59

- 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: 2188.596+/-0.480 χ^2/NDF:518.1/12

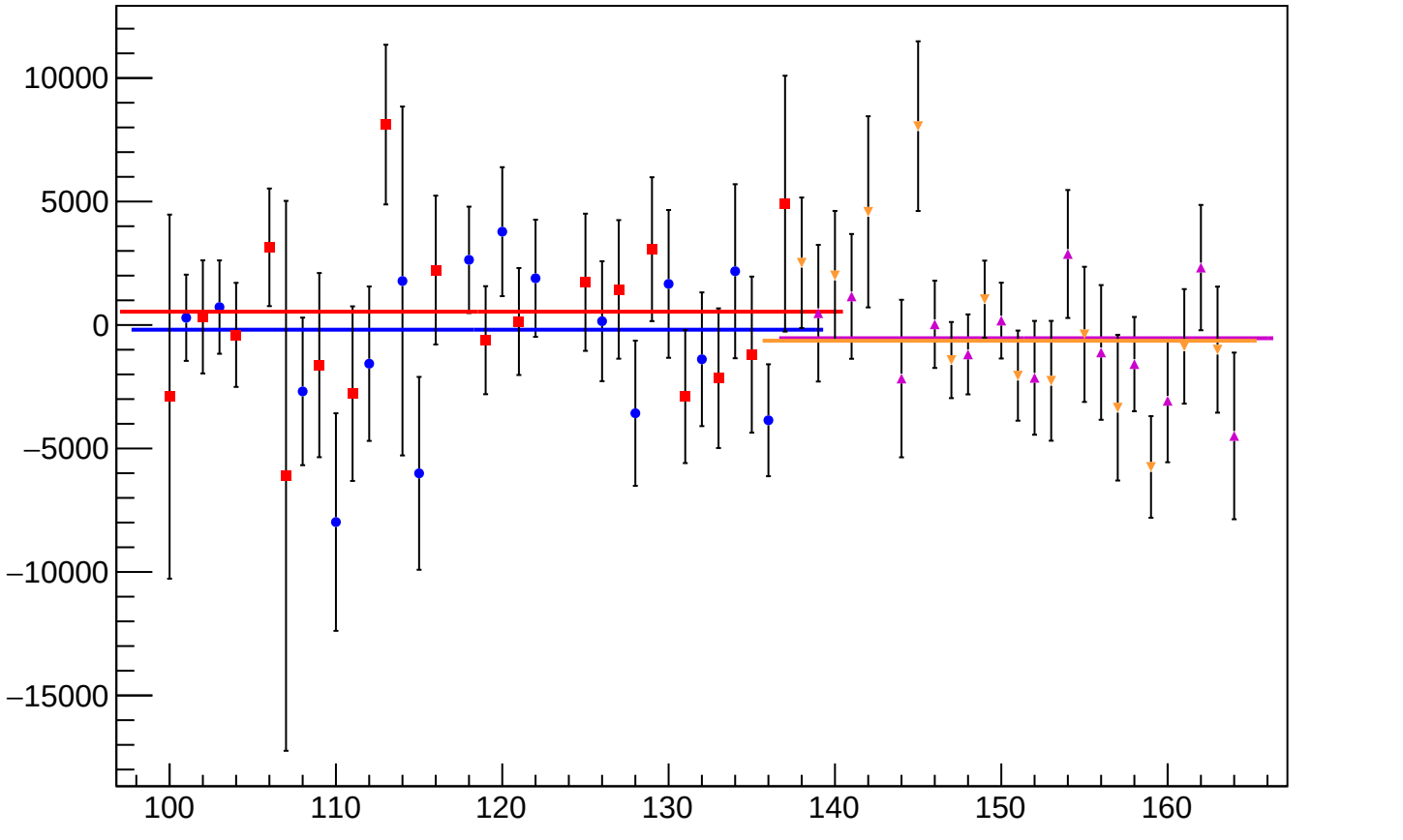
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2235.472+/-0.379 χ^2/NDF: 538294.2/28

All: 2238.512+/-0.266 χ^2/NDF: 724641.6/59

- 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: -635.648+/-624.092 χ^2/NDF:20.2/12

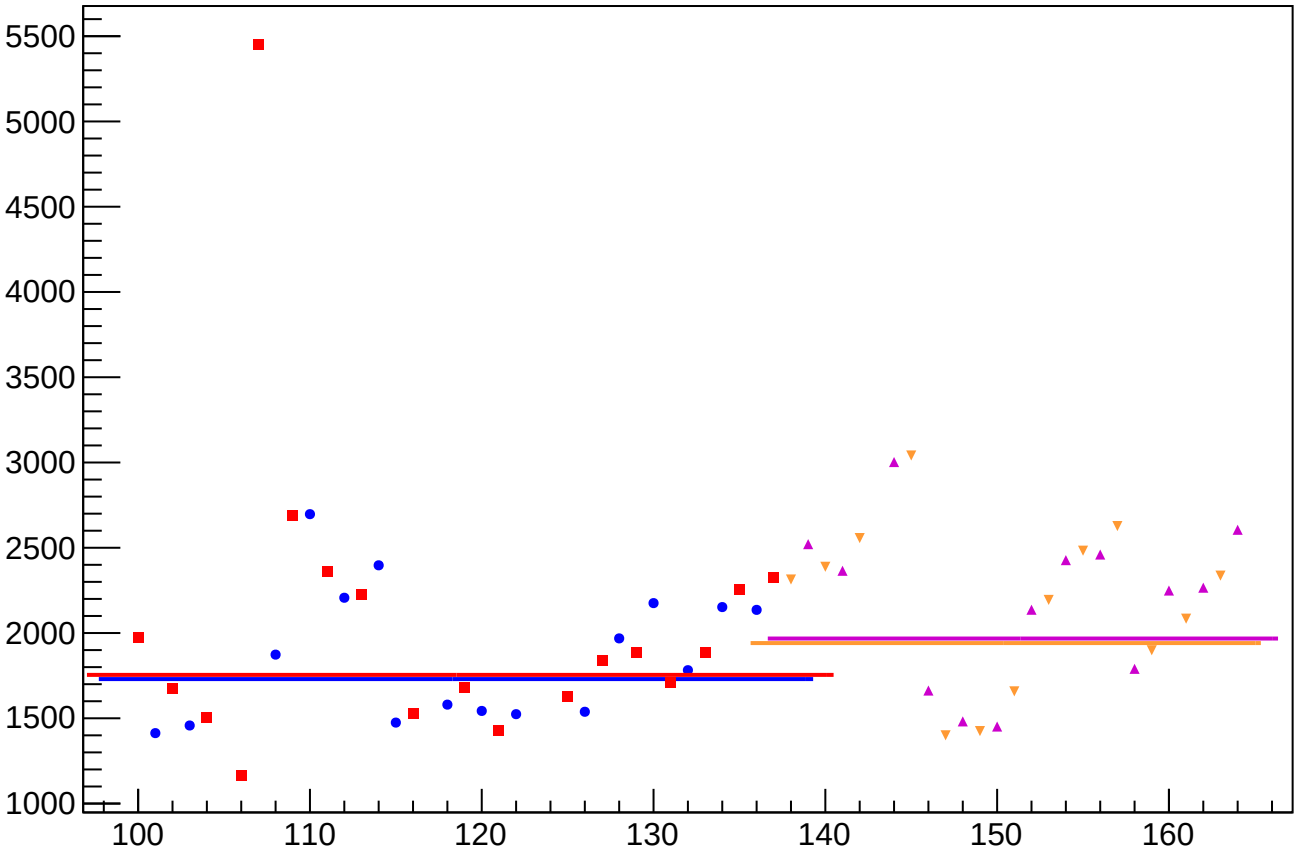
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -535.139+/-612.833 χ^2/NDF:7.6/12

+ sign -424.558+/-452.880 χ^2/NDF: 36.9/28

All: -239.074+/-320.876 χ^2/NDF: 60.1/59

- 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: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

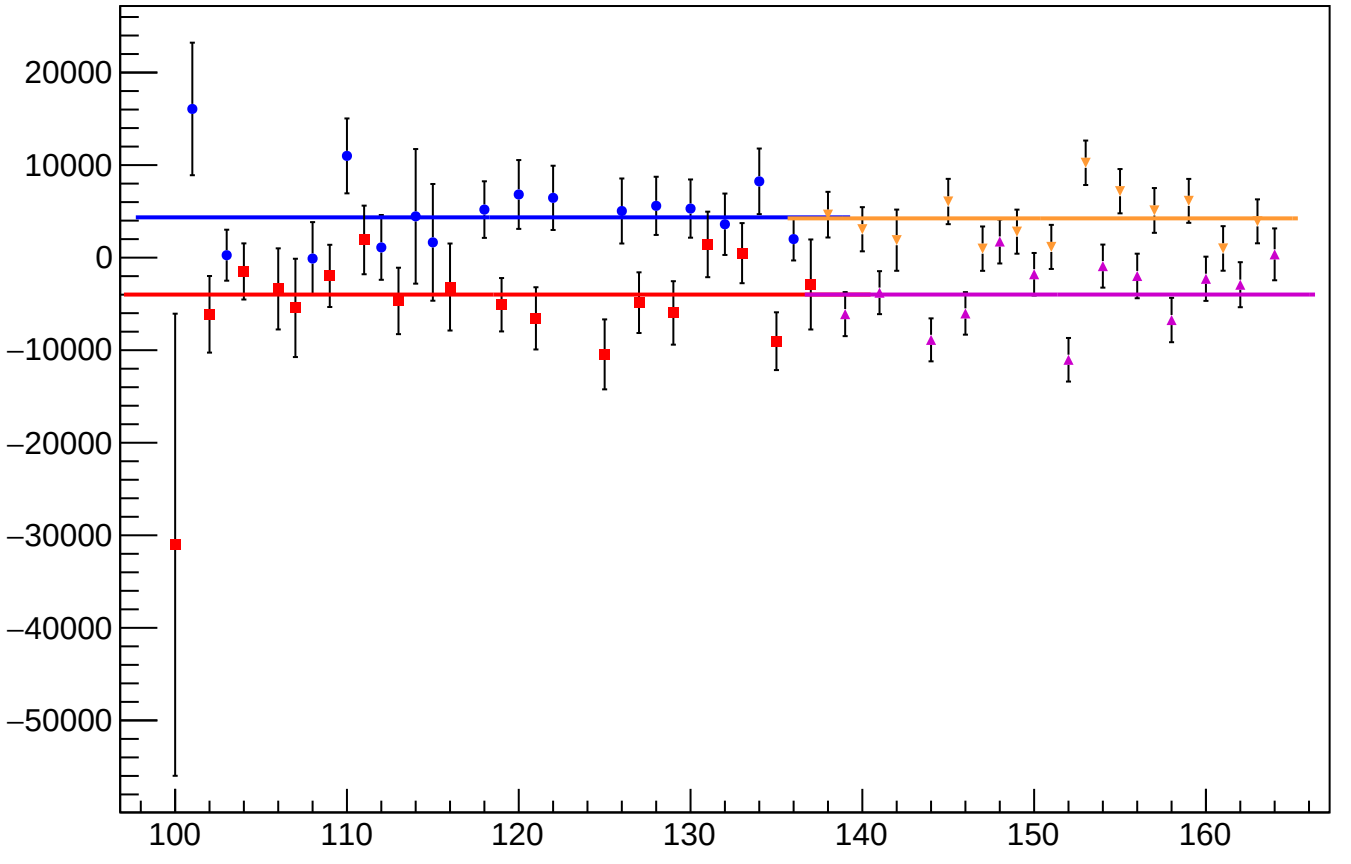
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

+ sign 1841.093+/-0.320 χ^2/NDF: 1720574.2/28

All: 1856.427+/-0.227 χ^2/NDF: 3671746.6/59

- 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: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

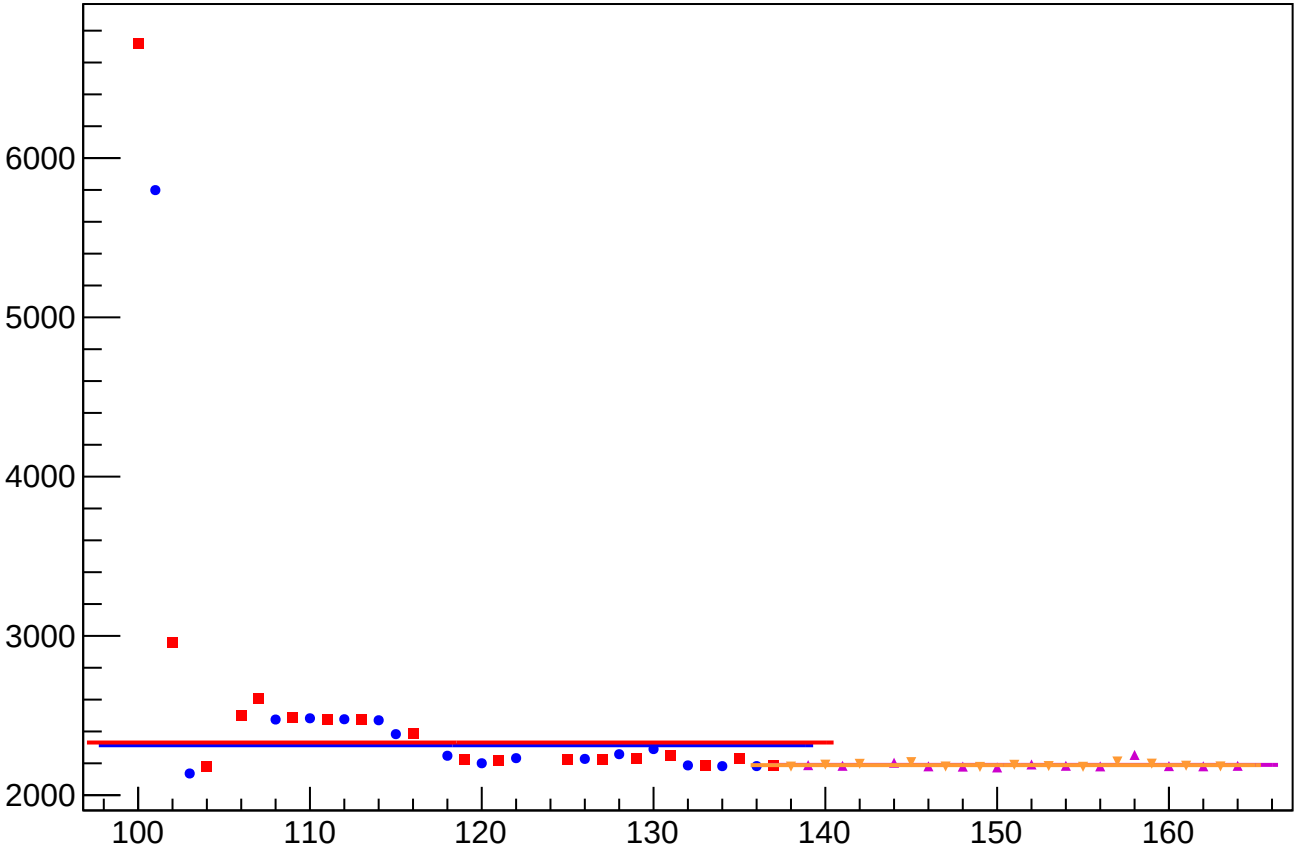
Left In: -3987.493+/-661.247 χ^2/NDF:28.6/12

+ sign 4284.716+/-536.317 χ^2/NDF: 29.0/28

All: 73.872+/-375.812 χ^2/NDF: 194.8/59

- 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: 2188.596+/-0.480 χ^2/NDF:518.1/12

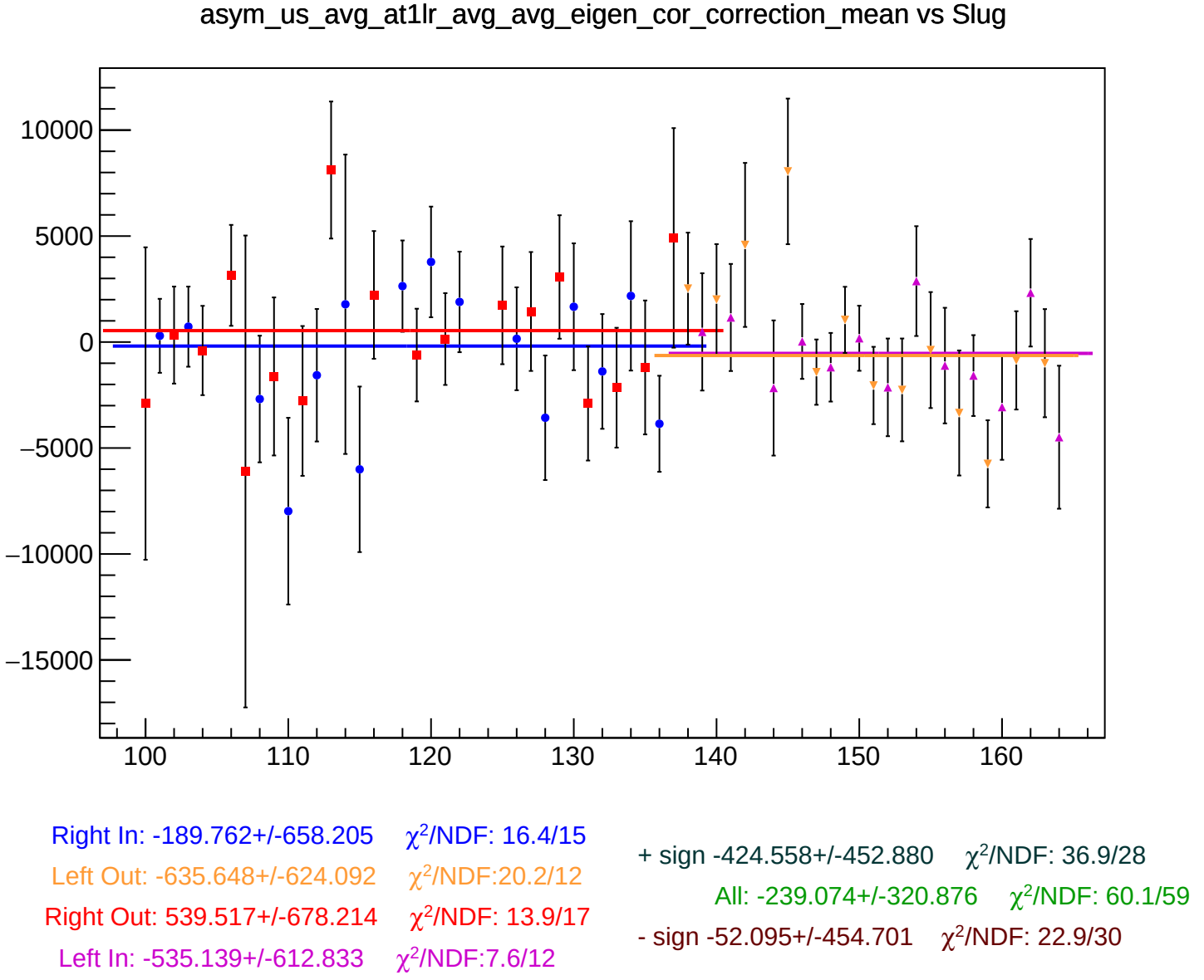
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

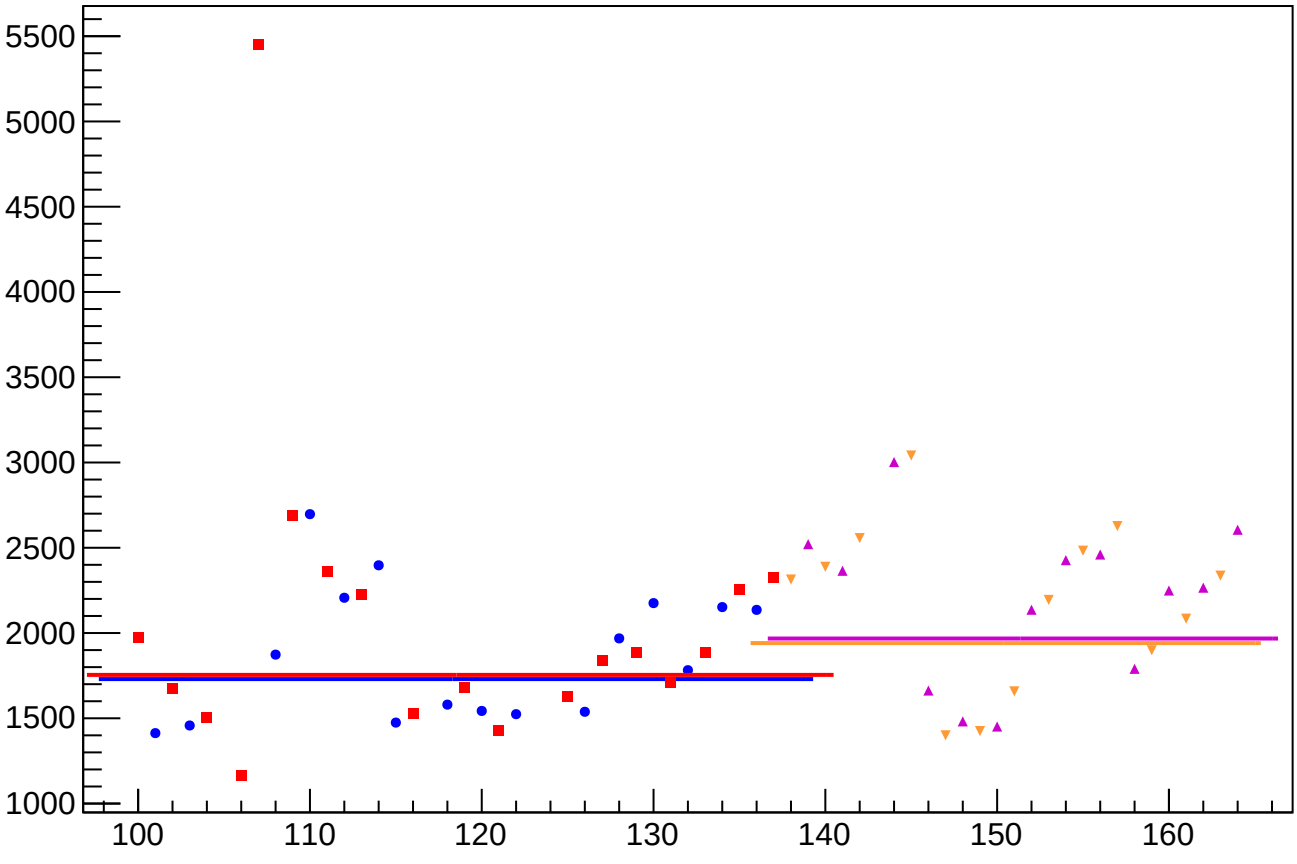
Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2235.472+/-0.379 χ^2/NDF: 538294.2/28

All: 2238.512+/-0.266 χ^2/NDF: 724641.6/59

- 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: -635.648+/-624.092 χ²/NDF:20.2/12
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -535.139+/-612.833 χ²/NDF:7.6/12
+ sign -424.558+/-452.880 χ²/NDF: 36.9/28
All: -239.074+/-320.876 χ²/NDF: 60.1/59
- sign -52.095+/-454.701 χ²/NDF: 22.9/30



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

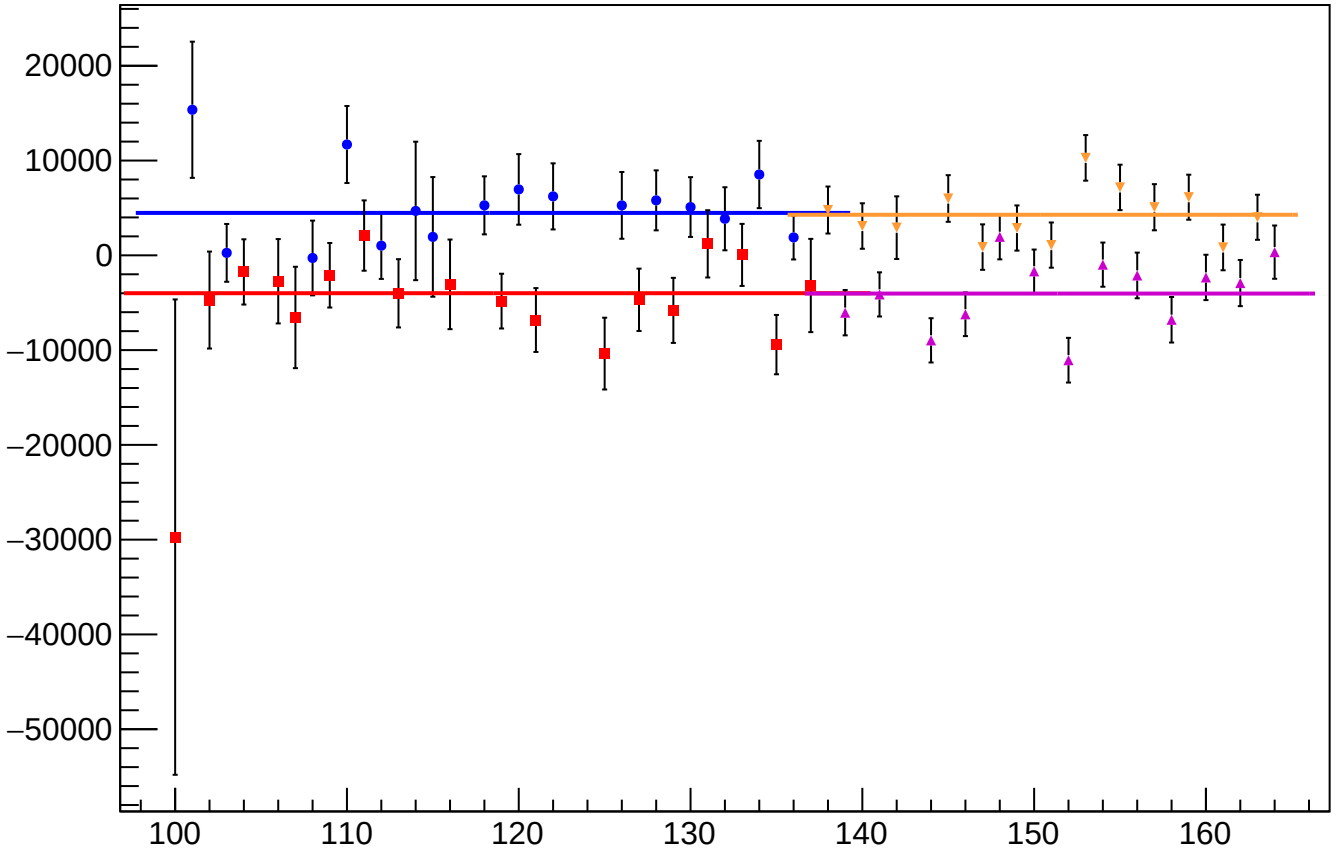
Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

+ sign 1841.093+/-0.320 χ^2/NDF: 1720574.2/28

All: 1856.427+/-0.227 χ^2/NDF: 3671746.6/59

- sign 1871.885+/-0.322 χ^2/NDF: 1946568.1/30

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4278.525+/-680.365 χ^2/NDF:15.6/12

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

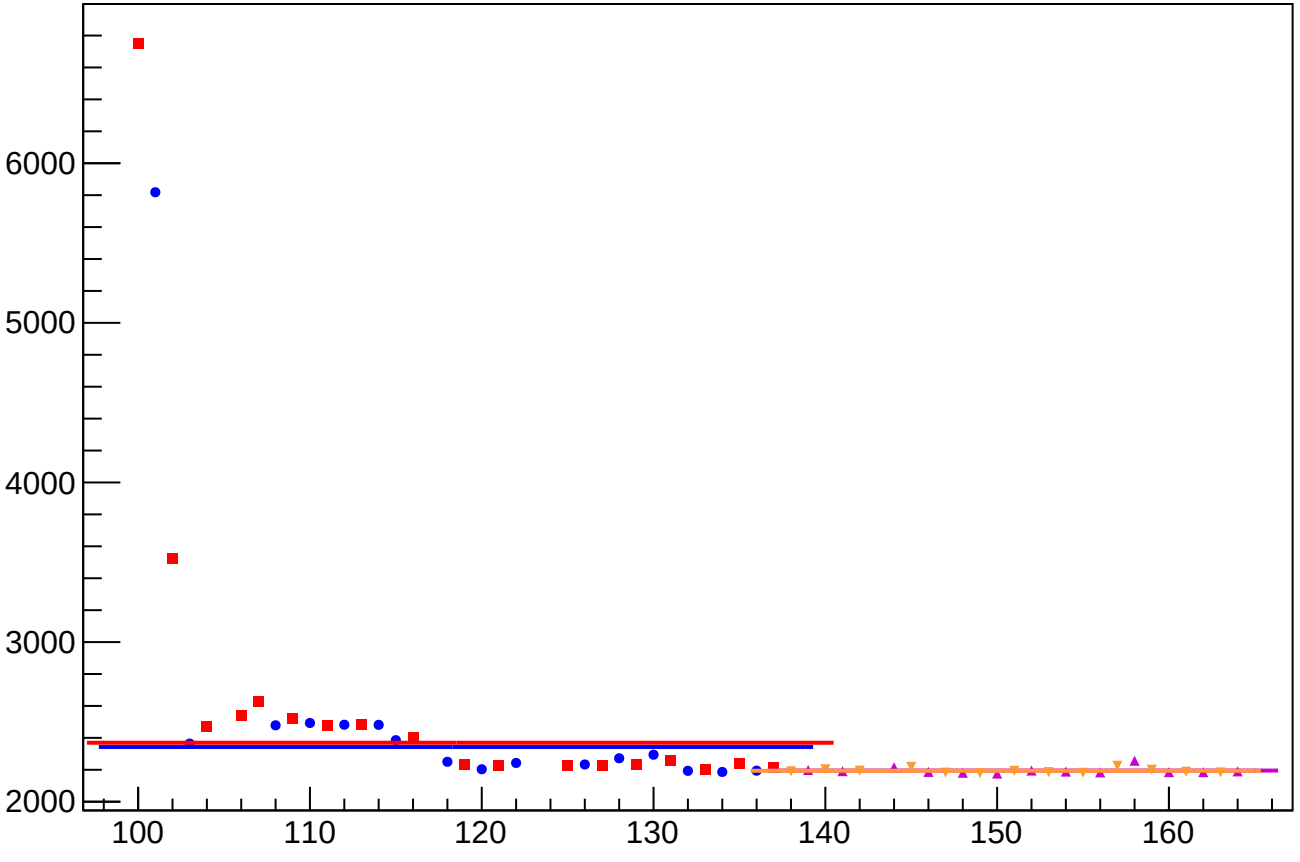
Left In: -4033.403+/-662.786 χ^2/NDF:29.2/12

+ sign 4351.928+/-539.638 χ^2/NDF: 29.1/28

All: 103.706+/-378.734 χ^2/NDF: 195.9/59

- 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: 2193.881+/-0.481 χ^2/NDF:835.3/12

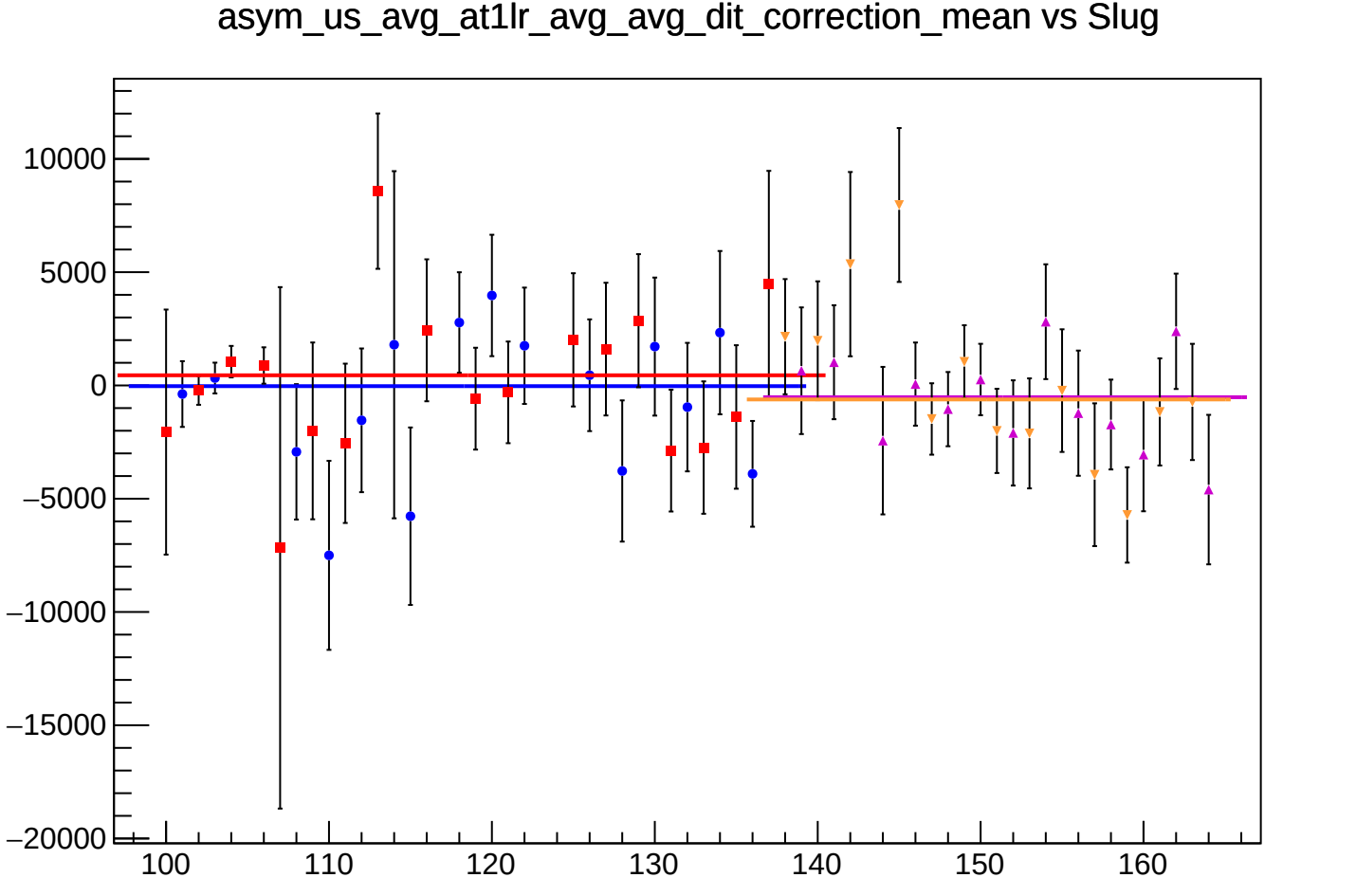
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

+ sign 2249.157+/-0.382 χ^2/NDF: 539294.7/28

All: 2253.308+/-0.268 χ^2/NDF: 800892.9/59

- 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: -618.658+/-634.150 χ^2/NDF:20.1/12

Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

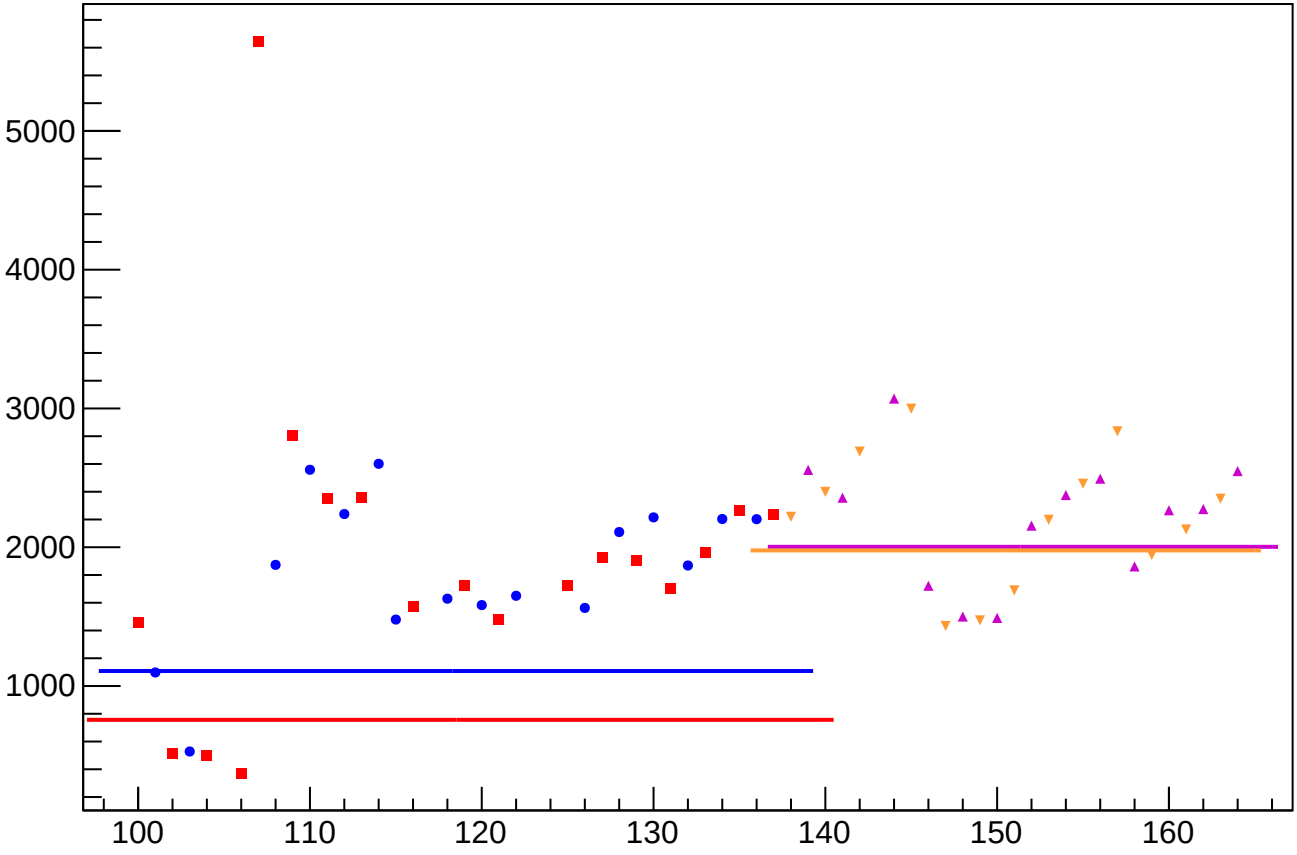
Left In: -519.471+/-621.990 χ^2/NDF:7.8/12

+ sign -248.311+/-385.410 χ^2/NDF: 36.9/28

All: 23.371+/-243.079 χ^2/NDF: 62.5/59

- 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: 1977.113+/-0.448 χ^2/NDF:1072631.6/12

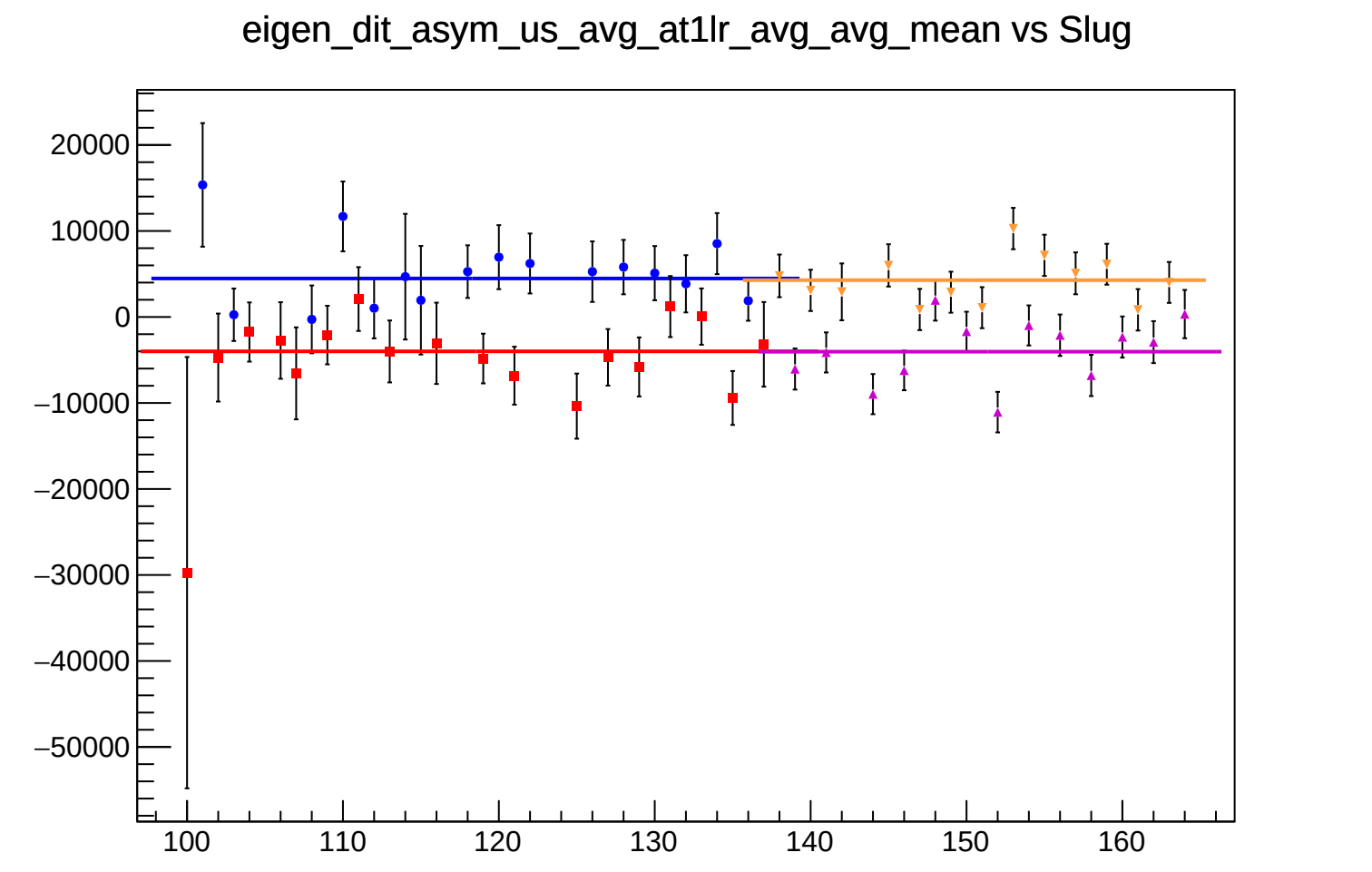
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2002.966+/-0.440 χ^2/NDF:1004629.4/12

+ sign 1429.113+/-0.273 χ^2/NDF: 7187392.6/28

All: 1214.395+/-0.172 χ^2/NDF: 20821754.5/5

- 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: 4278.523+/-680.365 χ^2/NDF:15.6/12

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

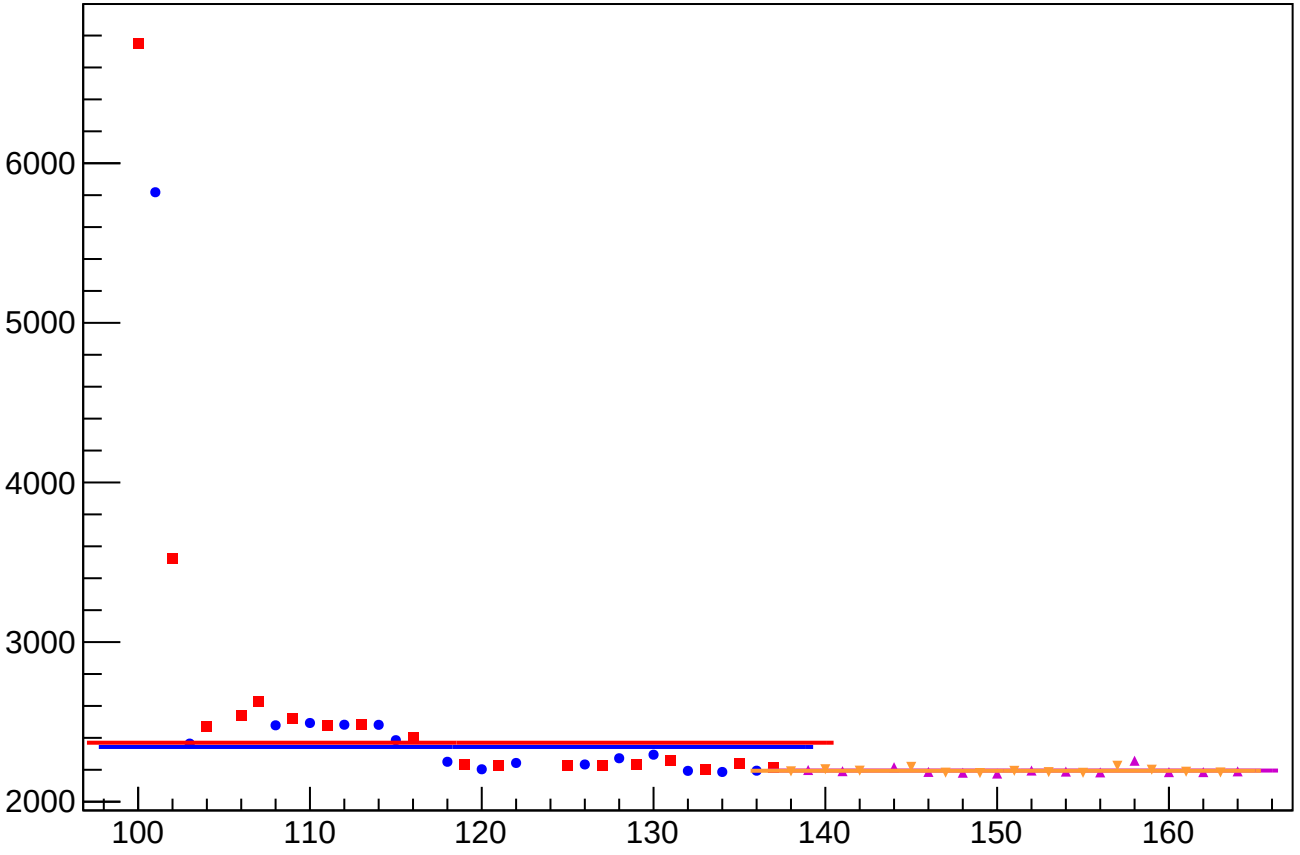
Left In: -4033.405+/-662.786 χ^2/NDF:29.2/12

+ sign 4351.925+/-539.638 χ^2/NDF: 29.1/28

All: 103.704+/-378.734 χ^2/NDF: 195.9/59

- 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: 2193.881+/-0.481 χ^2/NDF:835.3/12

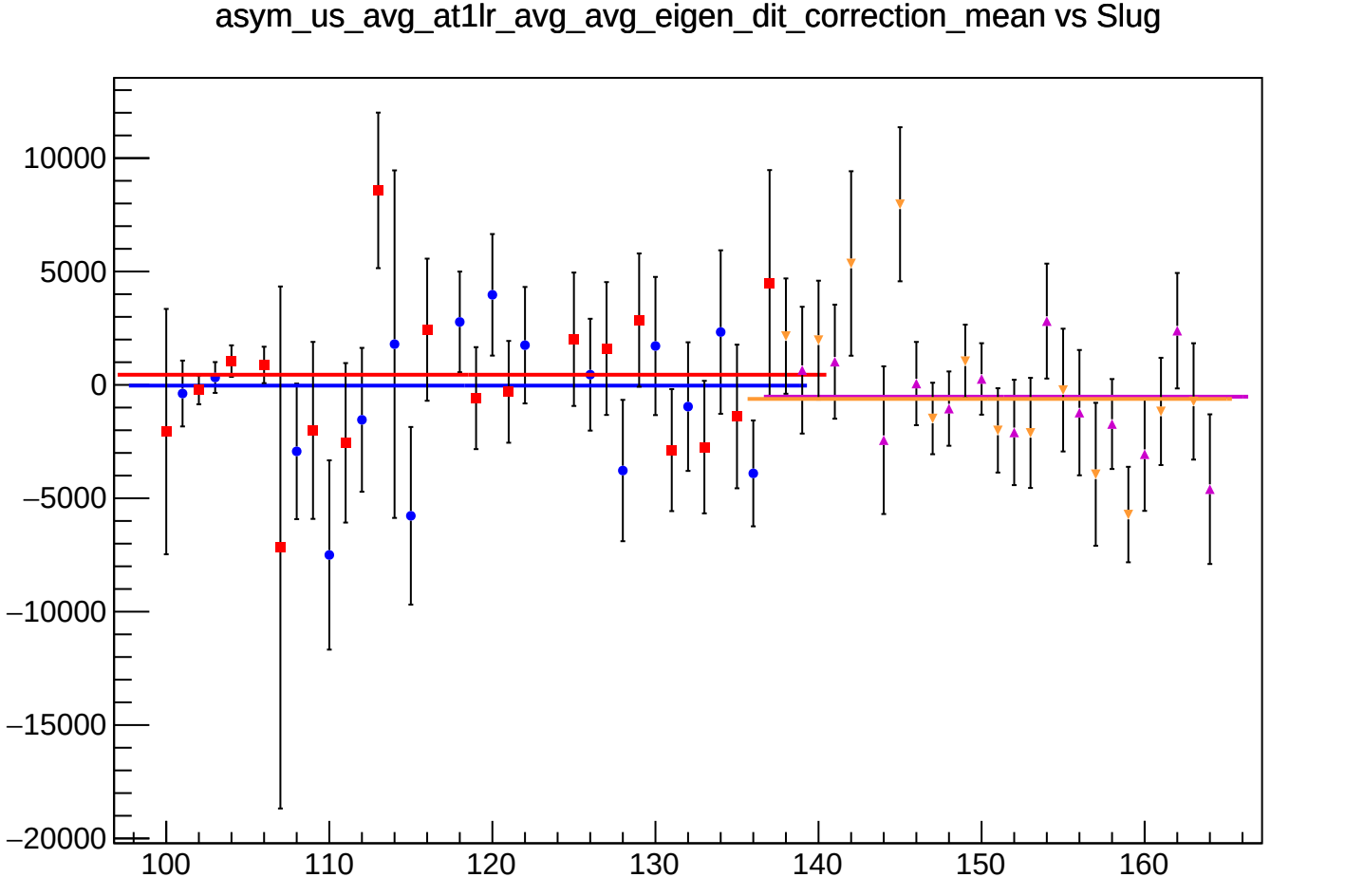
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

+ sign 2249.157+/-0.382 χ^2/NDF: 539294.4/28

All: 2253.308+/-0.268 χ^2/NDF: 800891.3/59

- sign 2257.338+/-0.376 χ^2/NDF: 261363.6/30



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -618.663+/-634.151 χ^2/NDF:20.1/12

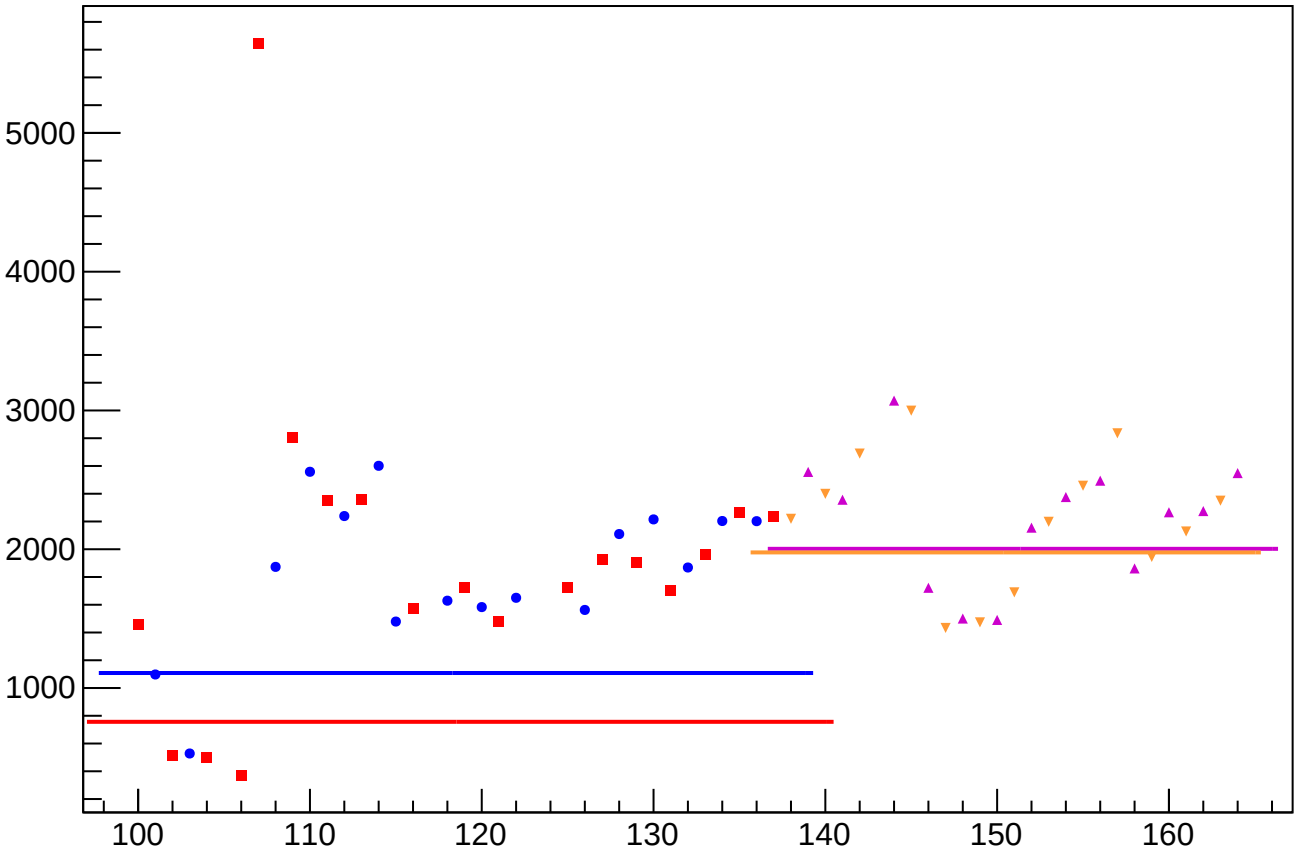
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -519.473+/-621.991 χ^2/NDF:7.8/12

+ sign -248.318+/-385.412 χ^2/NDF: 36.9/28

All: 23.365+/-243.081 χ^2/NDF: 62.5/59

- sign 202.826+/-313.240 χ^2/NDF: 24.7/30



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1977.117+/-0.448 χ^2/NDF:1072631.5/12

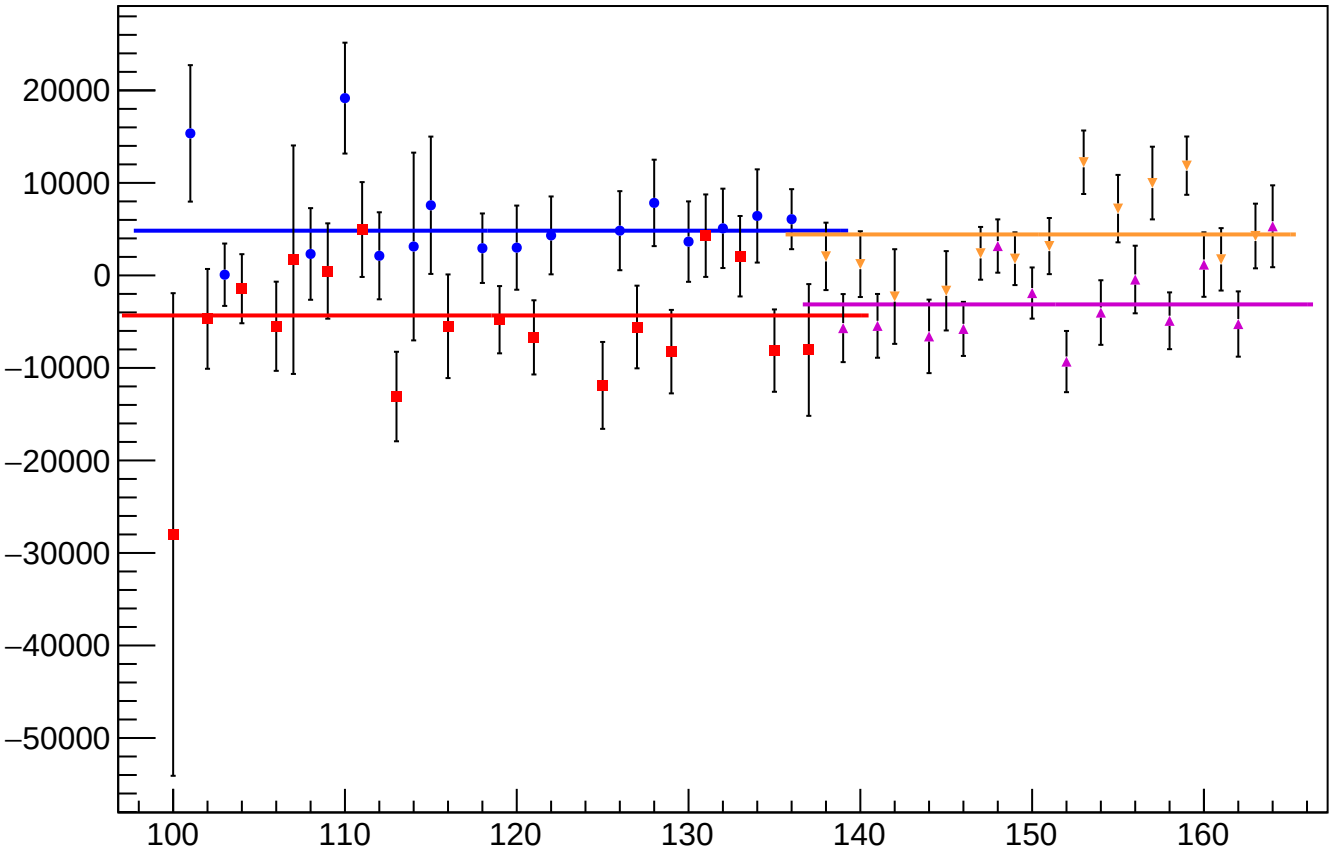
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2002.969+/-0.440 χ^2/NDF:1004628.8/12

+ sign 1429.122+/-0.273 χ^2/NDF: 7187268.5/28

All: 1214.410+/-0.172 χ^2/NDF: 20821282.8/5

- 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: 4429.260+/-954.718 χ^2/NDF:20.5/12

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

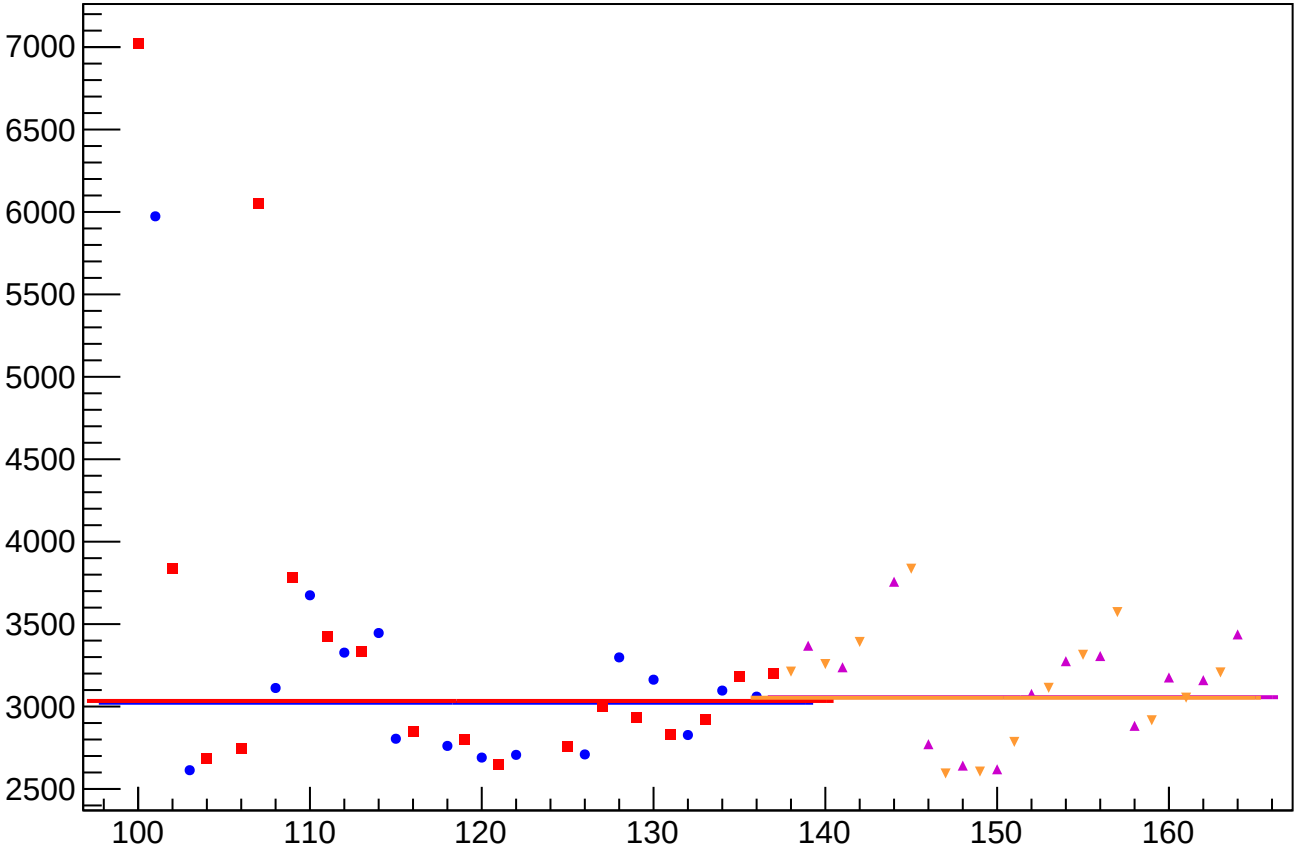
Left In: -3134.429+/-929.303 χ^2/NDF:17.5/12

+ sign 4595.593+/-732.612 χ^2/NDF: 32.2/28

All: 430.322+/-514.040 χ^2/NDF: 133.9/59

- 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: 3053.421+/-0.675 χ^2/NDF:256058.0/12

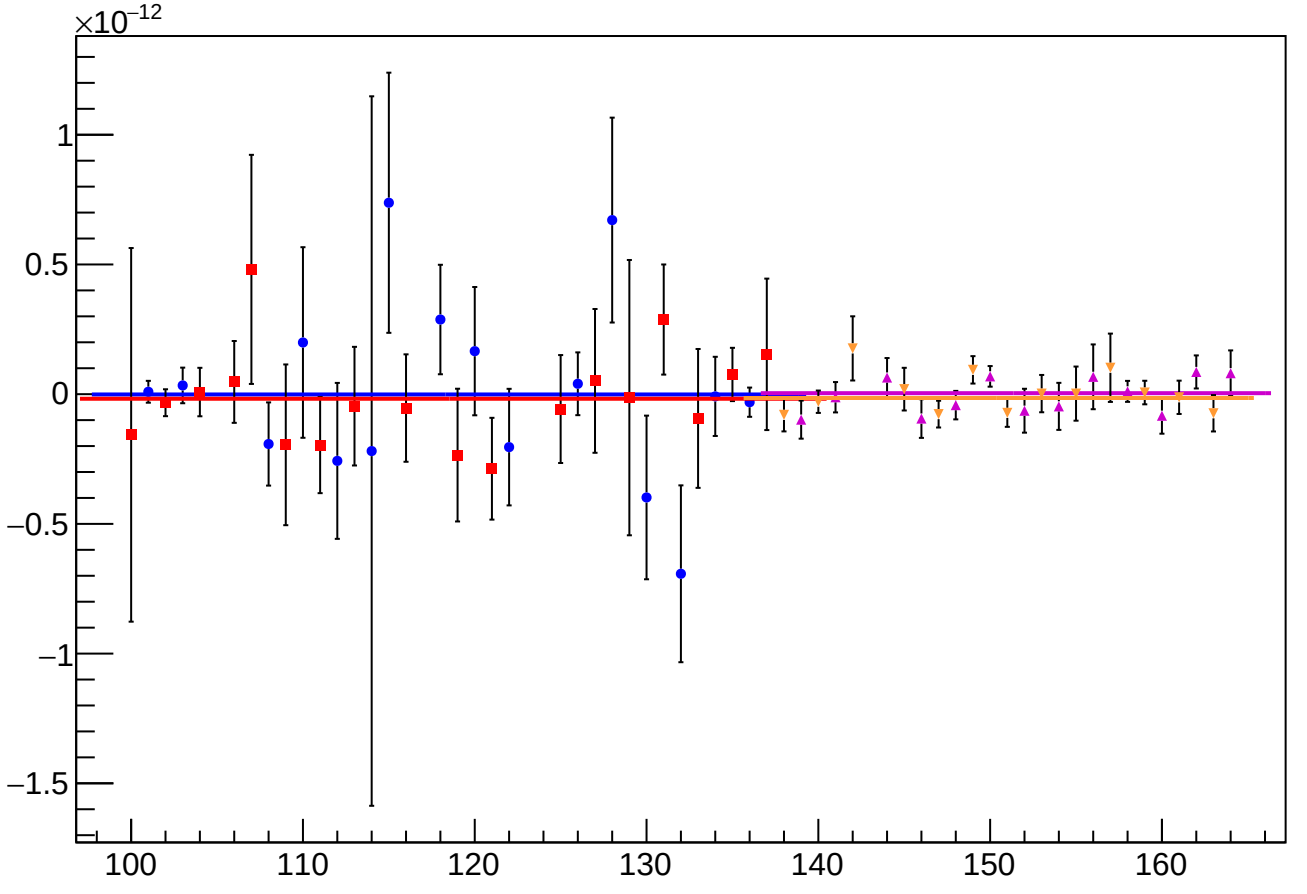
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3056.638+/-0.657 χ^2/NDF:235134.5/12

+ sign 3040.941+/-0.518 χ^2/NDF: 700594.9/28

All: 3044.317+/-0.363 χ^2/NDF: 1278964.8/59

- 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:12.3/12

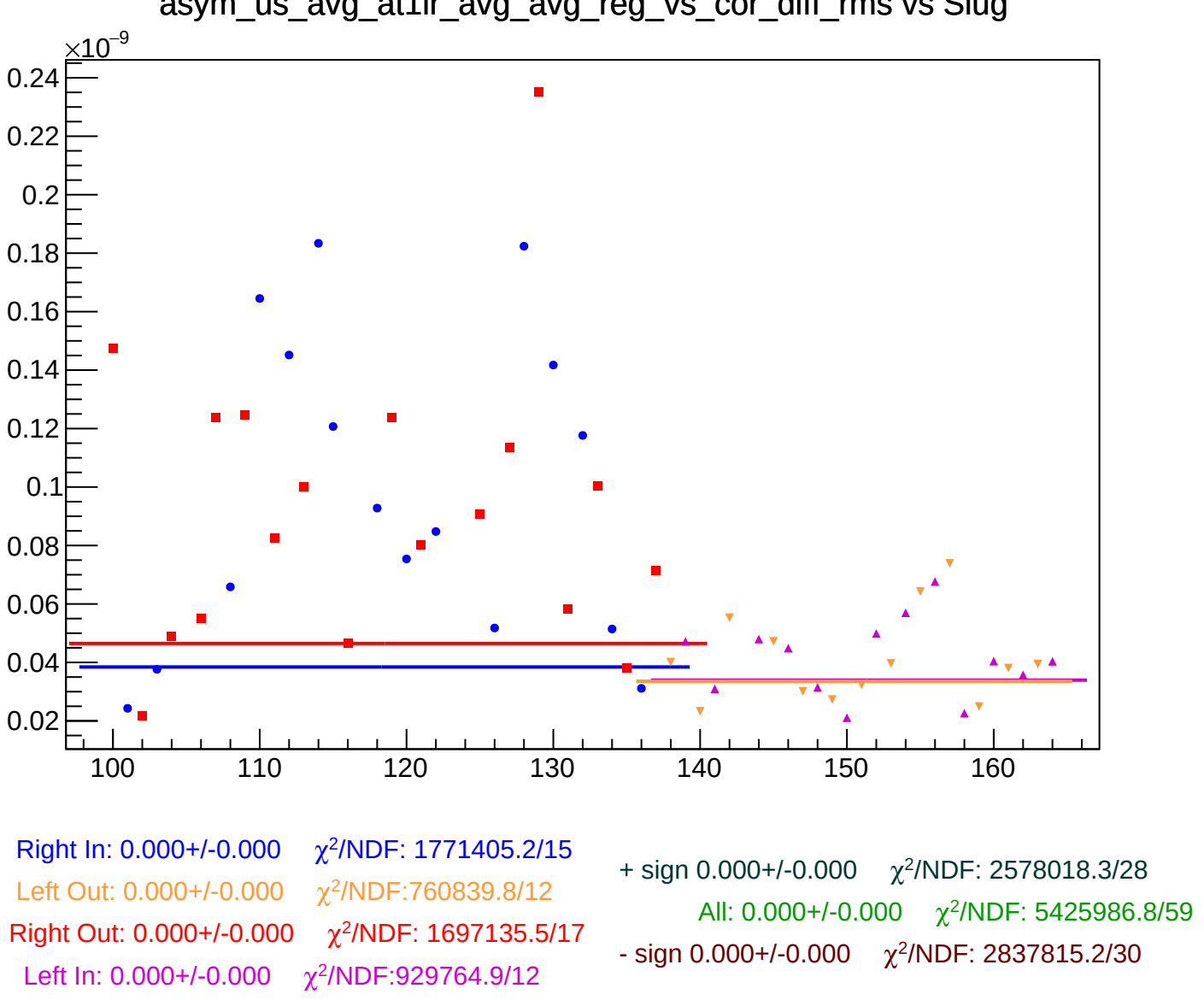
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

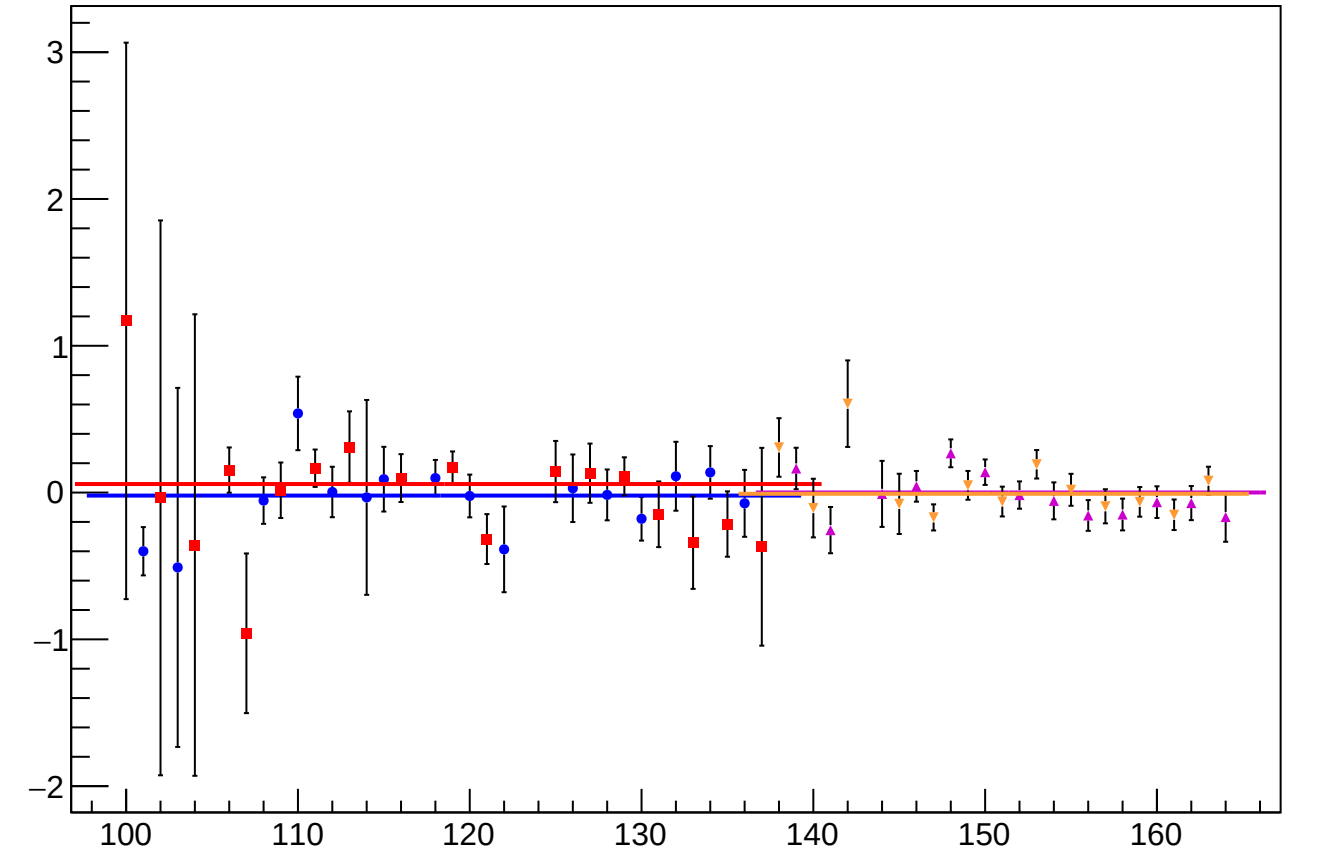
Left In: 0.000+/-0.000 χ^2/NDF:13.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/28

All: -0.000+/-0.000 χ^2/NDF: 52.1/59

- sign -0.000+/-0.000 χ^2/NDF: 22.3/30


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:760839.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:929764.9/12
+ sign 0.000+/-0.000 χ²/NDF: 2578018.3/28
All: 0.000+/-0.000 χ²/NDF: 5425986.8/59
- sign 0.000+/-0.000 χ²/NDF: 2837815.2/30



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

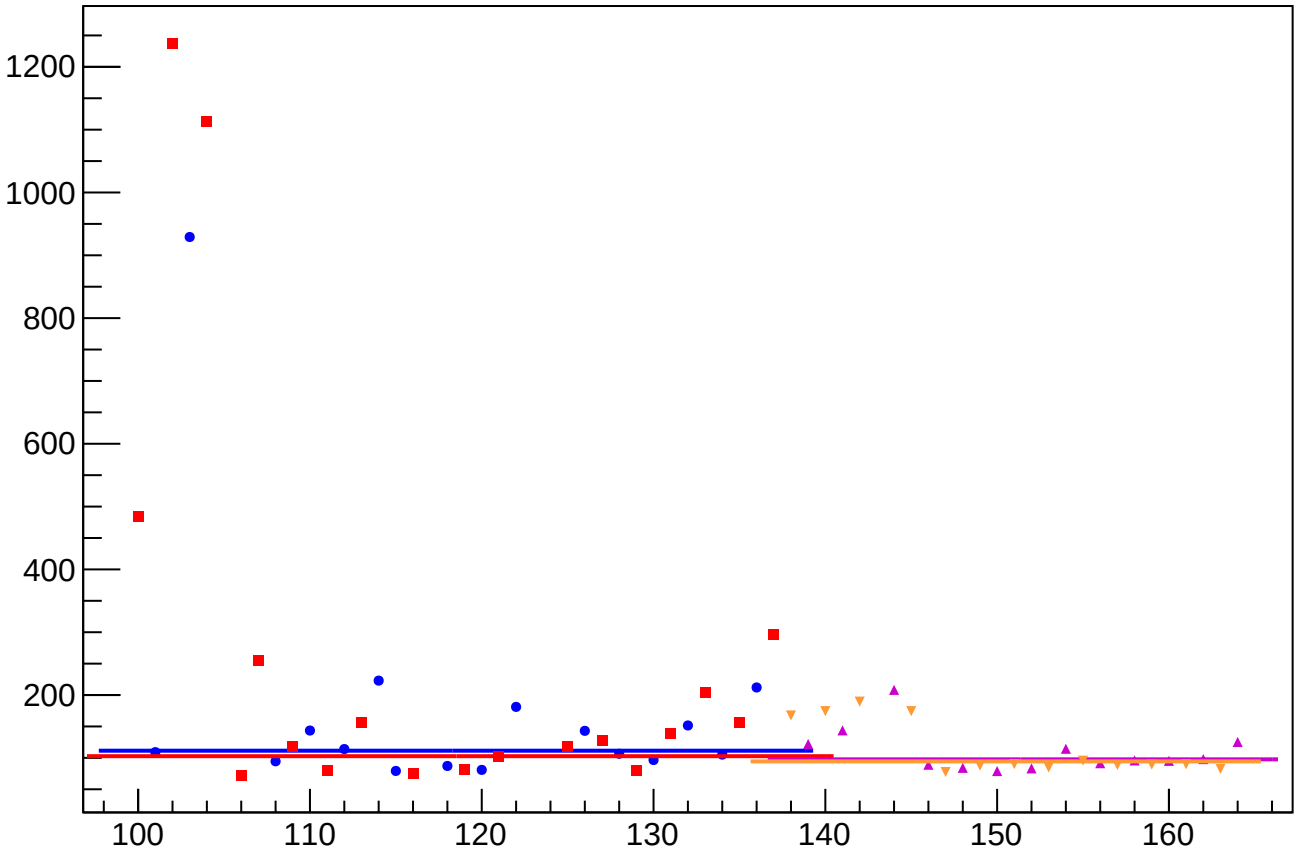
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.004+/-0.019 χ^2/NDF: 74.0/59

- 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: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

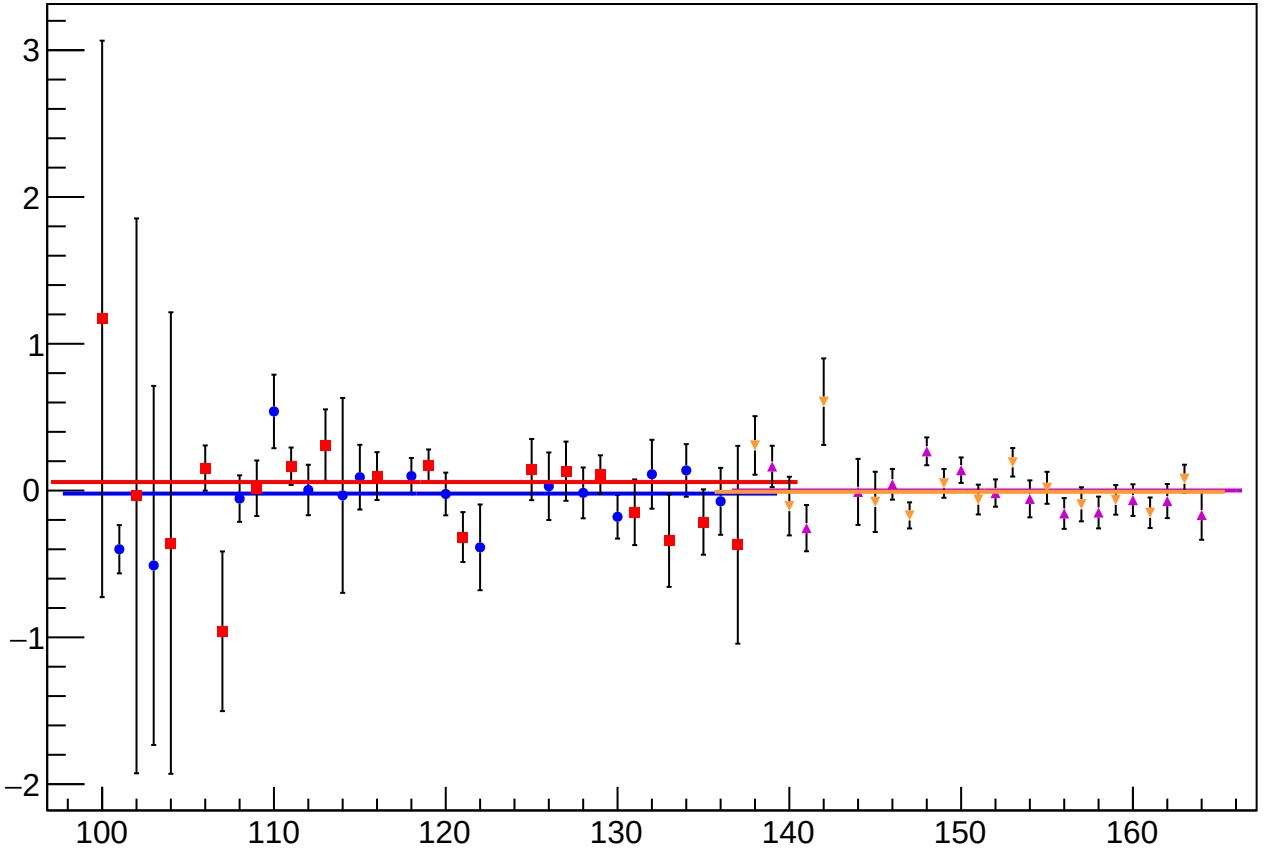
Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

+ sign 99.676+/-0.019 χ^2/NDF: 3266583.0/28

All: 99.461+/-0.013 χ^2/NDF: 7116021.0/59

- sign 99.251+/-0.019 χ^2/NDF: 3849177.0/30

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

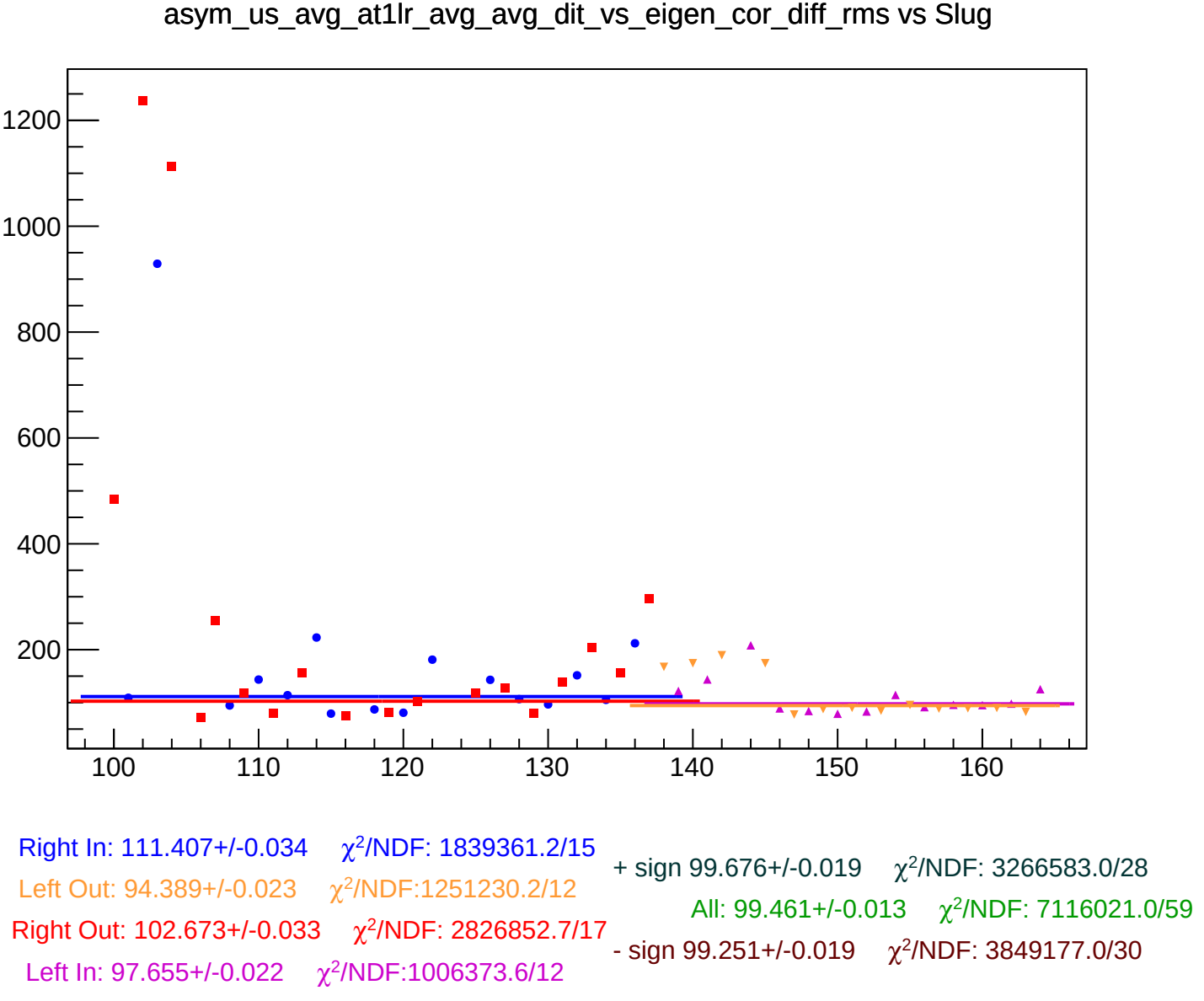
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

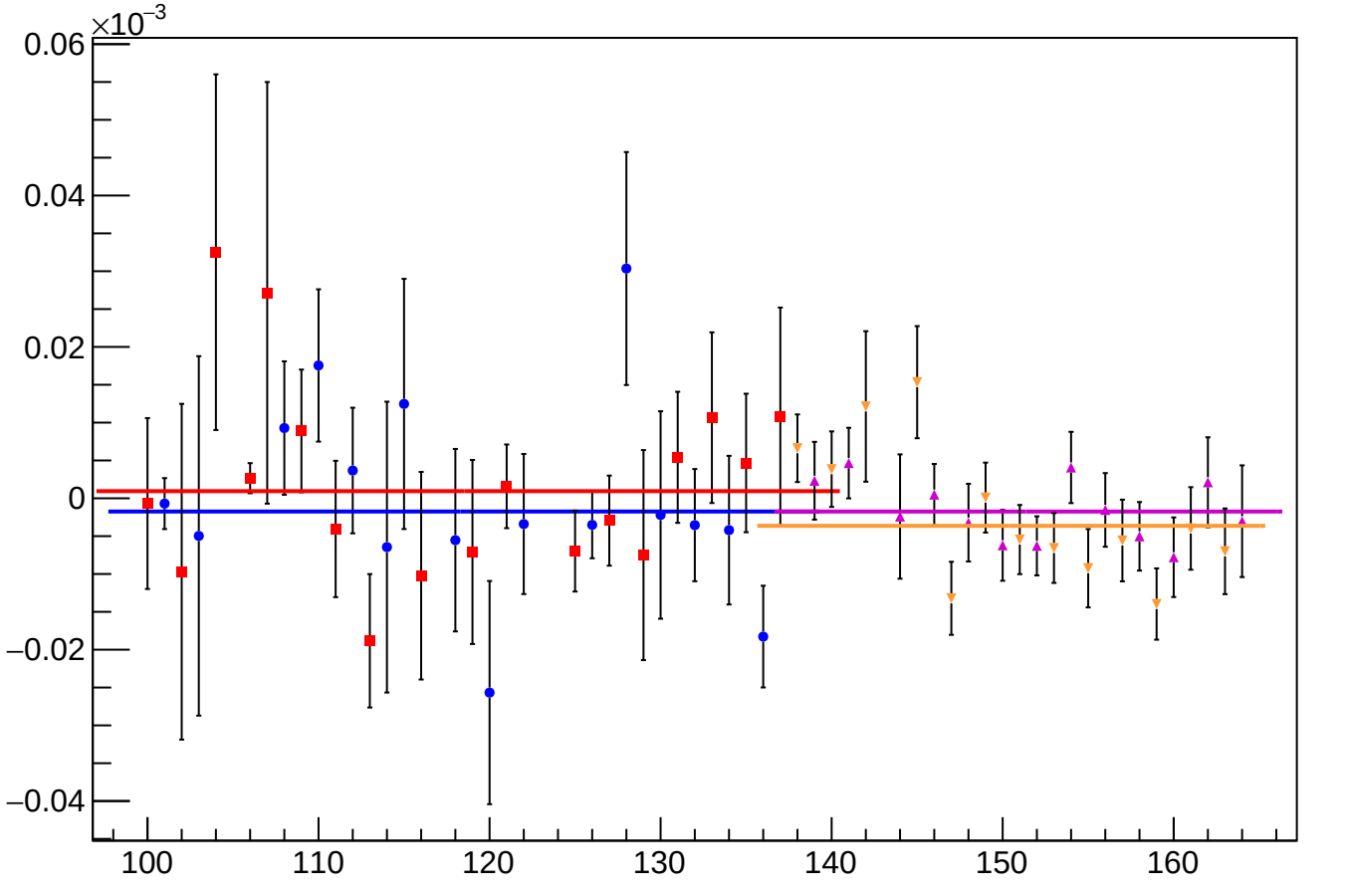
Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

\+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.004+/-0.019 χ^2/NDF: 74.0/59

\- 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: 94.389+/-0.023 χ²/NDF:1251230.2/12
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.655+/-0.022 χ²/NDF:1006373.6/12
+ sign 99.676+/-0.019 χ²/NDF: 3266583.0/28
All: 99.461+/-0.013 χ²/NDF: 7116021.0/59
- 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:28.2/12

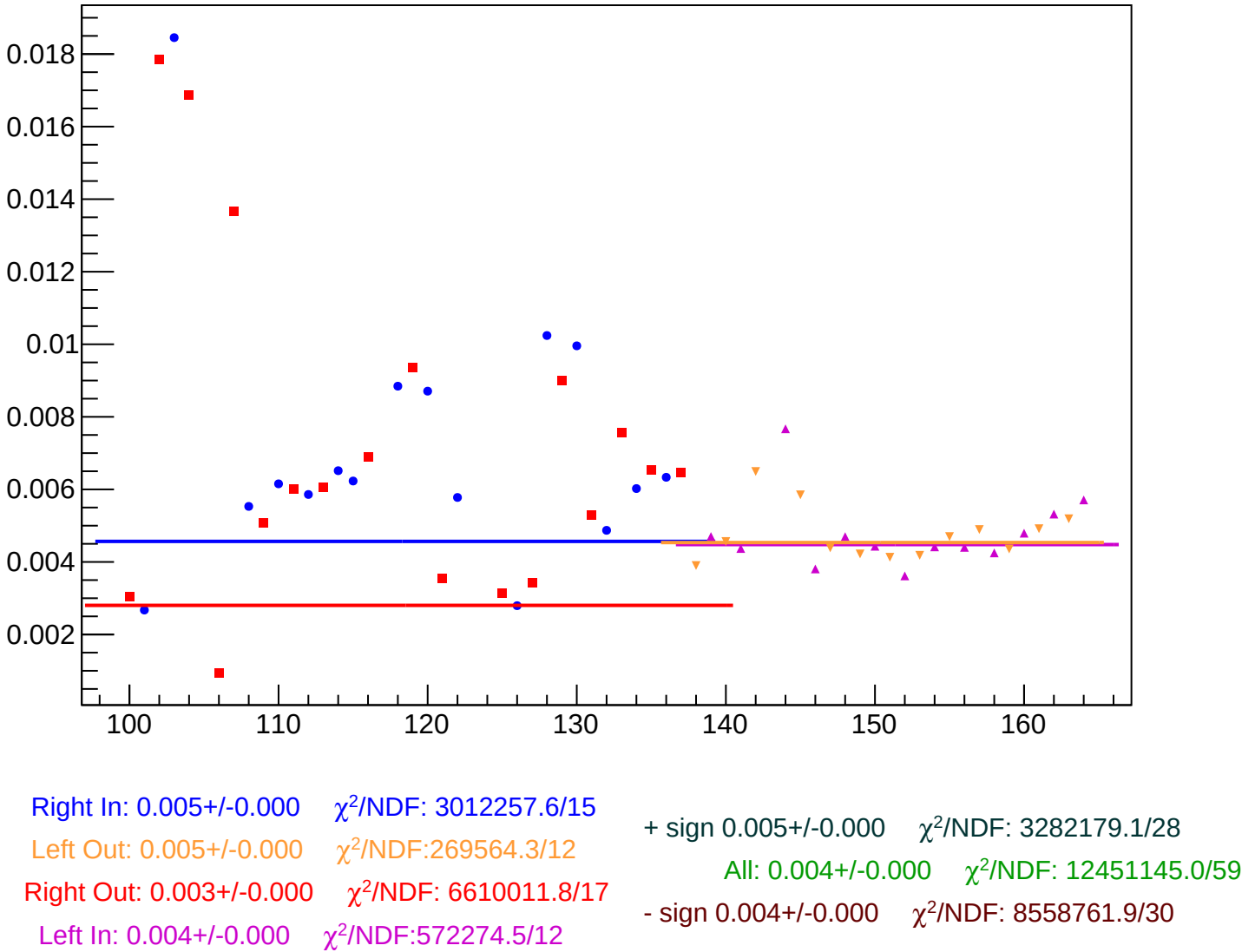
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

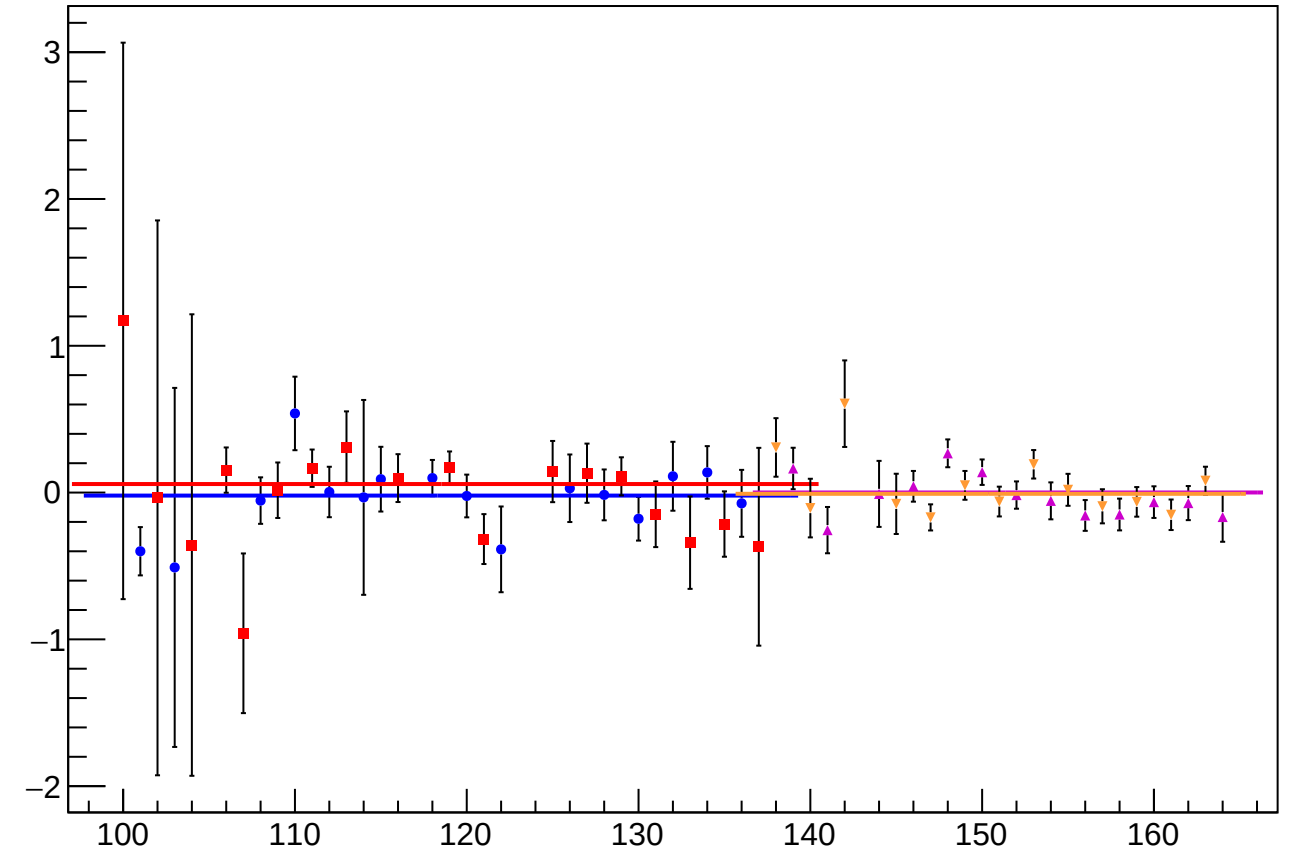
Left In: -0.000+/-0.000 χ^2/NDF:9.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/28

All: -0.000+/-0.000 χ^2/NDF: 78.0/59

- sign -0.000+/-0.000 χ^2/NDF: 26.5/30


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:269564.3/12
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:572274.5/12
+ sign 0.005+/-0.000 χ²/NDF: 3282179.1/28
All: 0.004+/-0.000 χ²/NDF: 12451145.0/59
- sign 0.004+/-0.000 χ²/NDF: 8558761.9/30



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

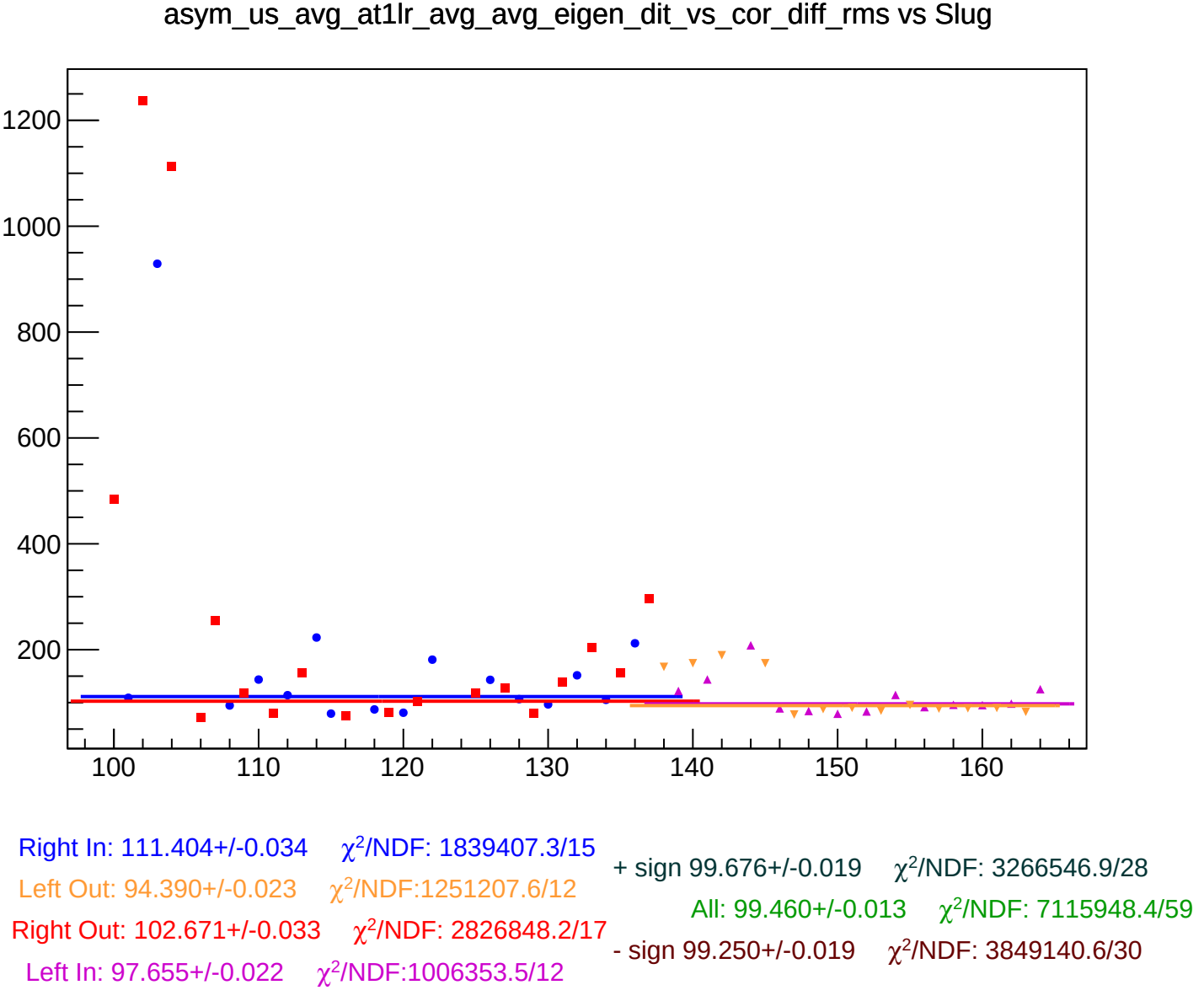
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

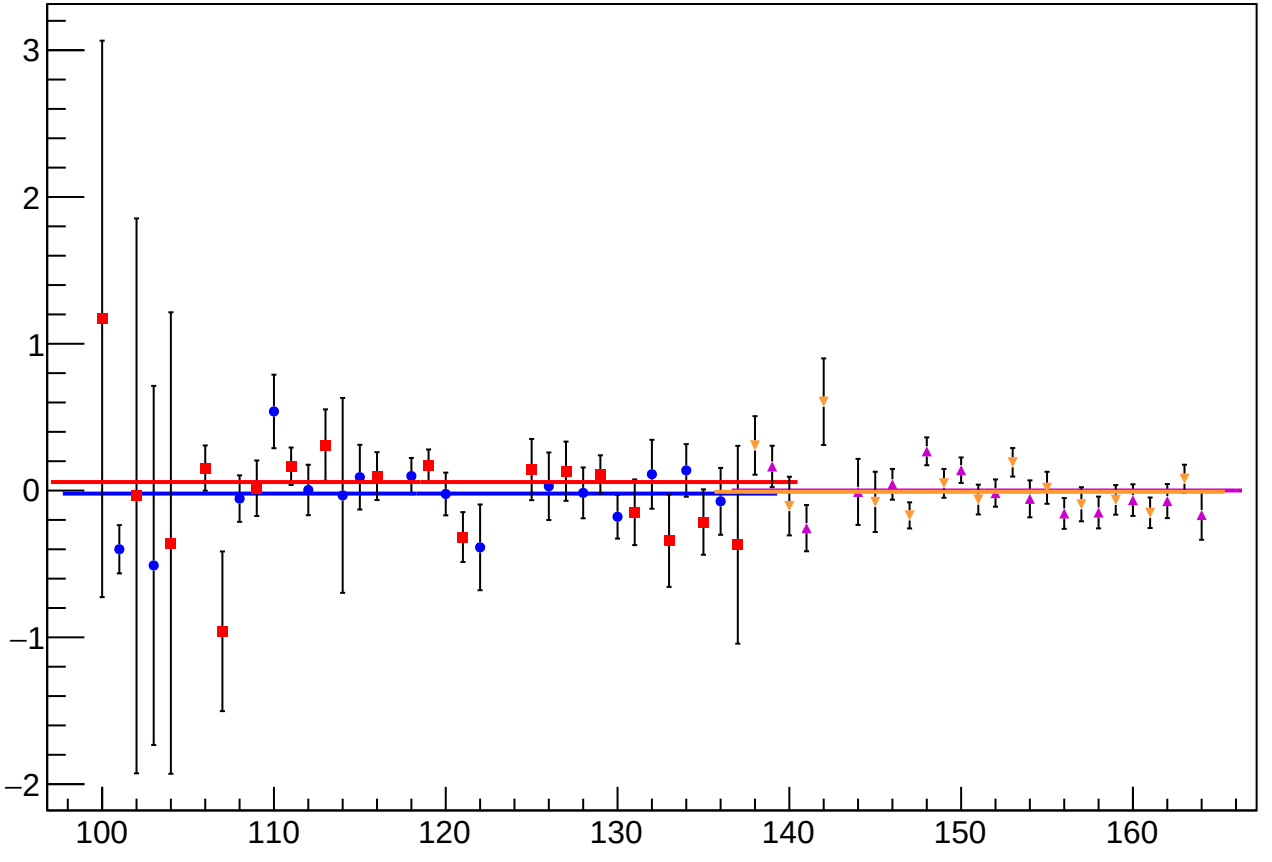
\+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.004+/-0.019 χ^2/NDF: 74.0/59

\- 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: 94.390+/-0.023 χ²/NDF:1251207.6/12
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.655+/-0.022 χ²/NDF:1006353.5/12
+ sign 99.676+/-0.019 χ²/NDF: 3266546.9/28
All: 99.460+/-0.013 χ²/NDF: 7115948.4/59
- 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: -0.008+/-0.032 χ^2/NDF:19.0/12

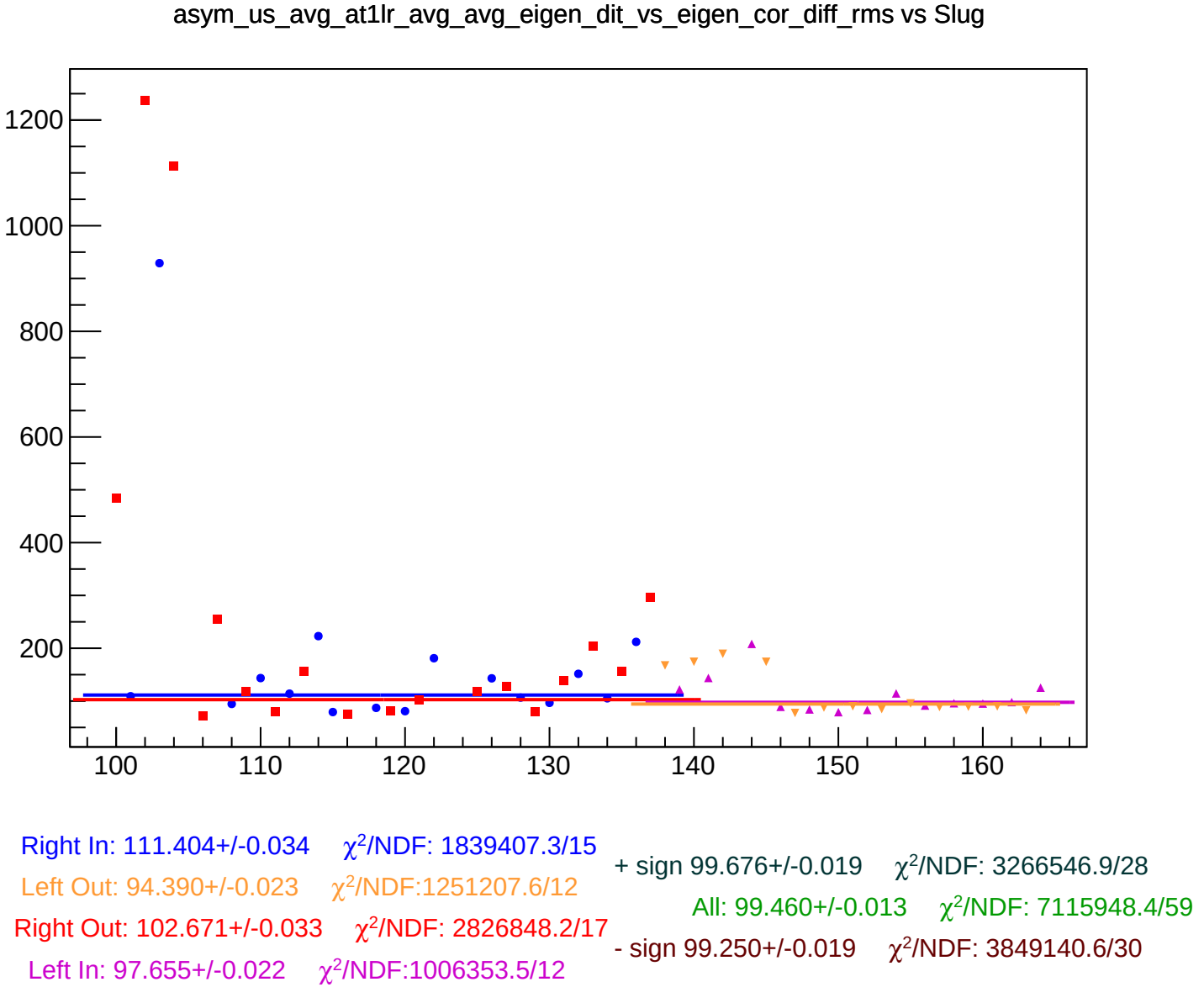
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

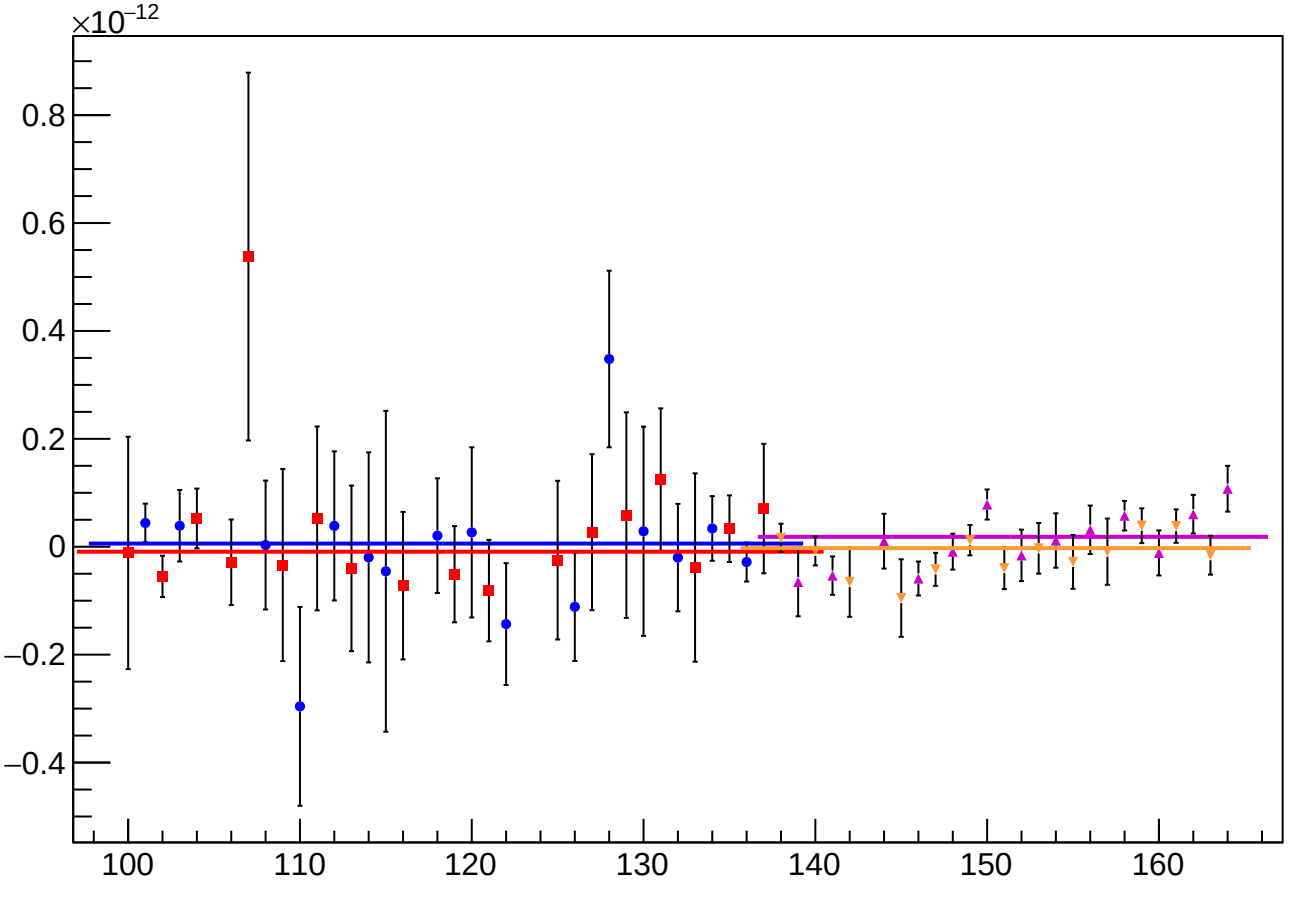
Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.004+/-0.019 χ^2/NDF: 74.0/59

- 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: 94.390+/-0.023 χ²/NDF:1251207.6/12
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.655+/-0.022 χ²/NDF:1006353.5/12
+ sign 99.676+/-0.019 χ²/NDF: 3266546.9/28
All: 99.460+/-0.013 χ²/NDF: 7115948.4/59
- 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:9.8/12

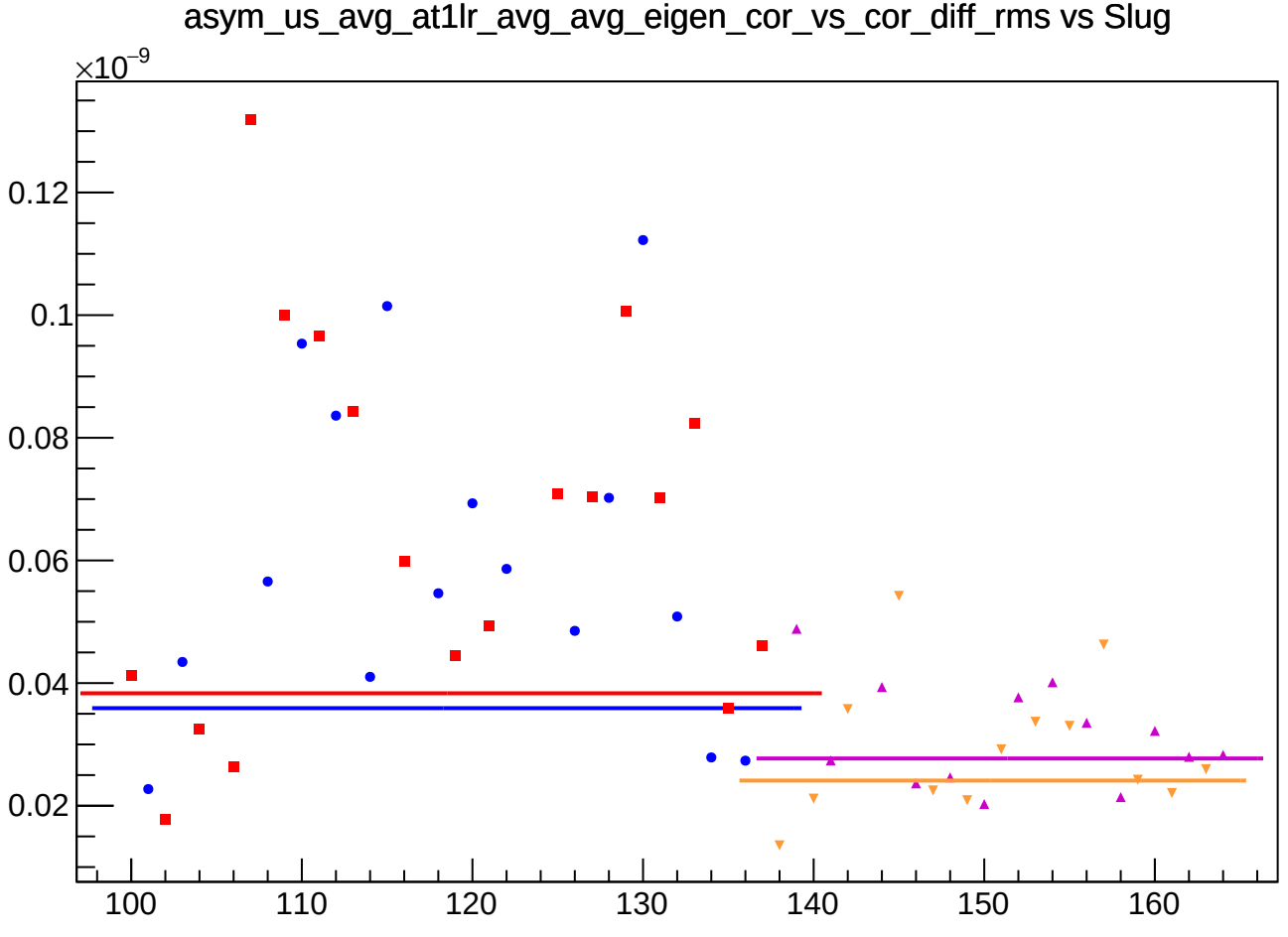
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/28

All: 0.000+/-0.000 χ^2/NDF: 60.1/59

- 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:1251948.3/12

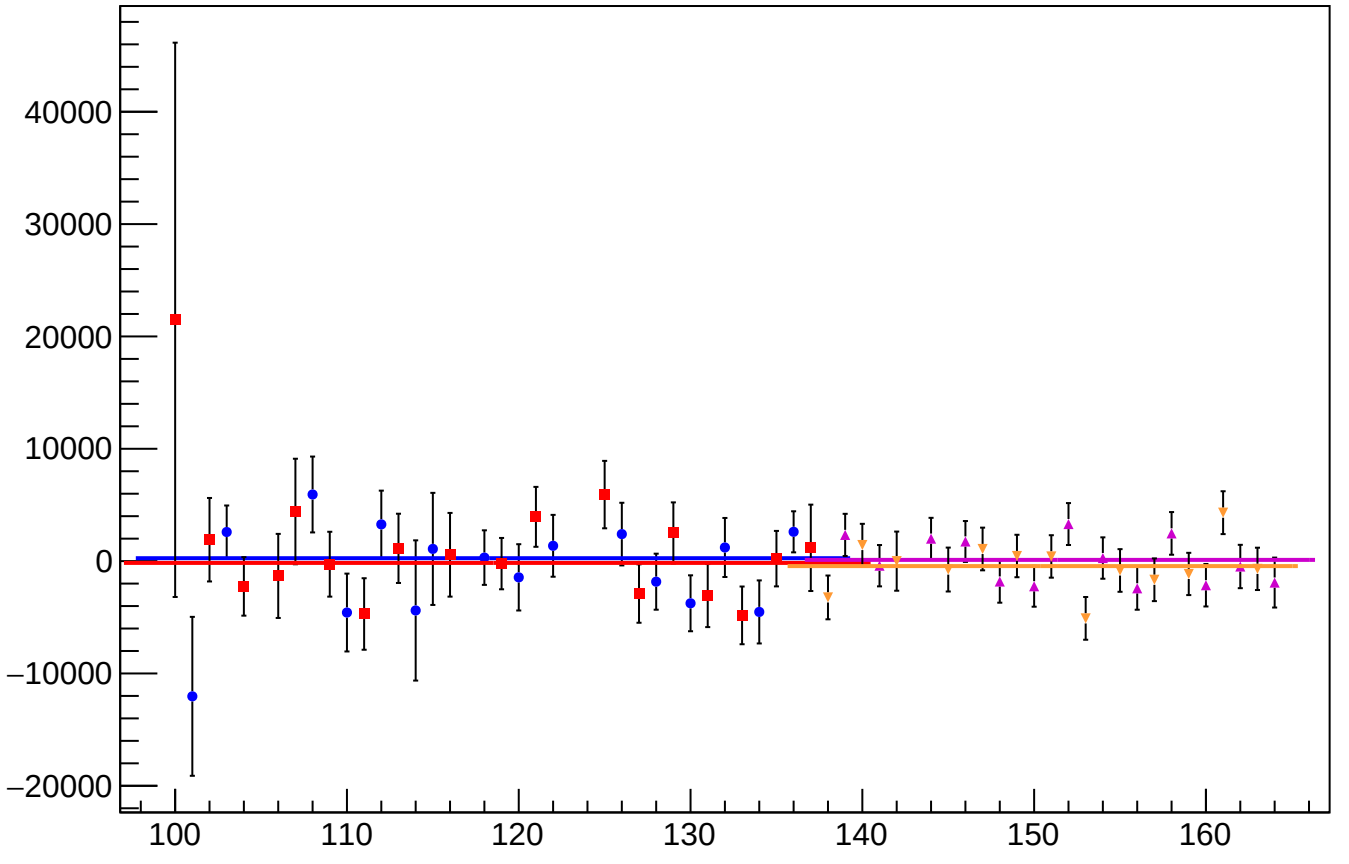
Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:888811.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3608858.0/28

All: 0.000+/-0.000 χ^2/NDF: 7209494.5/59

- sign 0.000+/-0.000 χ^2/NDF: 3483305.3/30



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.859+/-537.824 χ^2/NDF:17.0/12

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

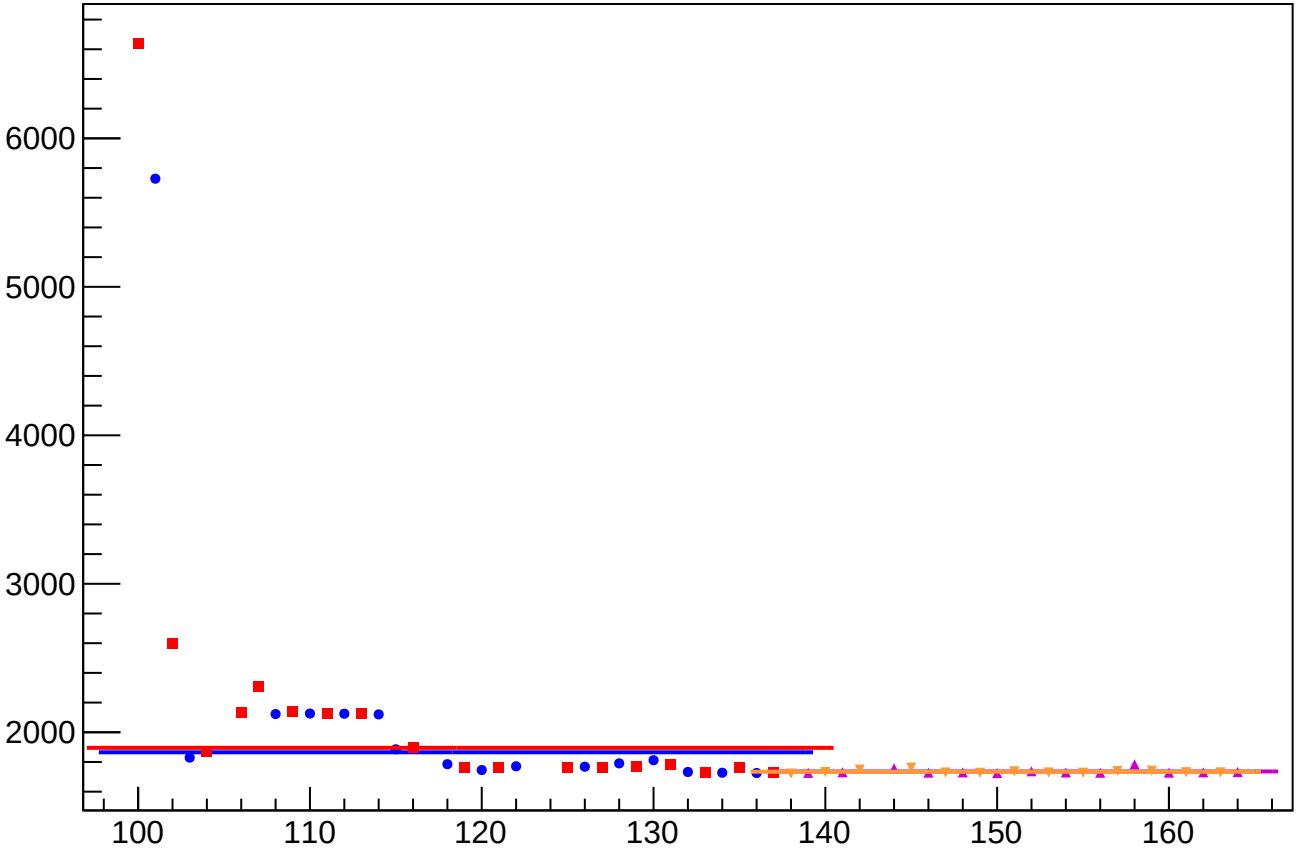
Left In: 109.800+/-524.124 χ^2/NDF:14.6/12

+ sign -186.642+/-428.645 χ^2/NDF: 37.0/28

All: -84.147+/-300.778 χ^2/NDF: 69.9/59

- 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: 1734.417+/-0.380 χ^2/NDF:689.0/12

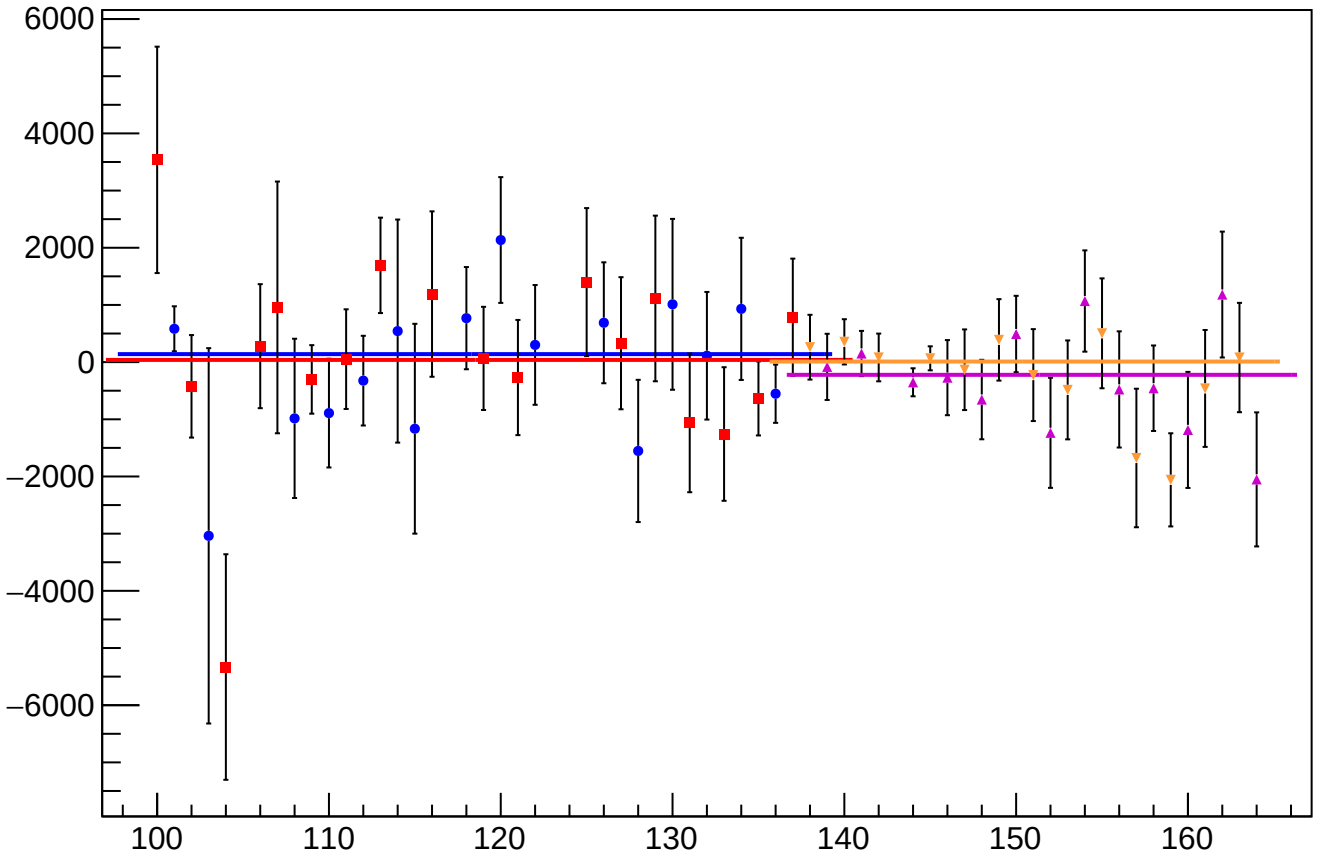
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.9/28

All: 1787.098+/-0.213 χ^2/NDF: 1034618.1/59

- 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: 10.042+/-141.235 χ^2/NDF:10.7/12

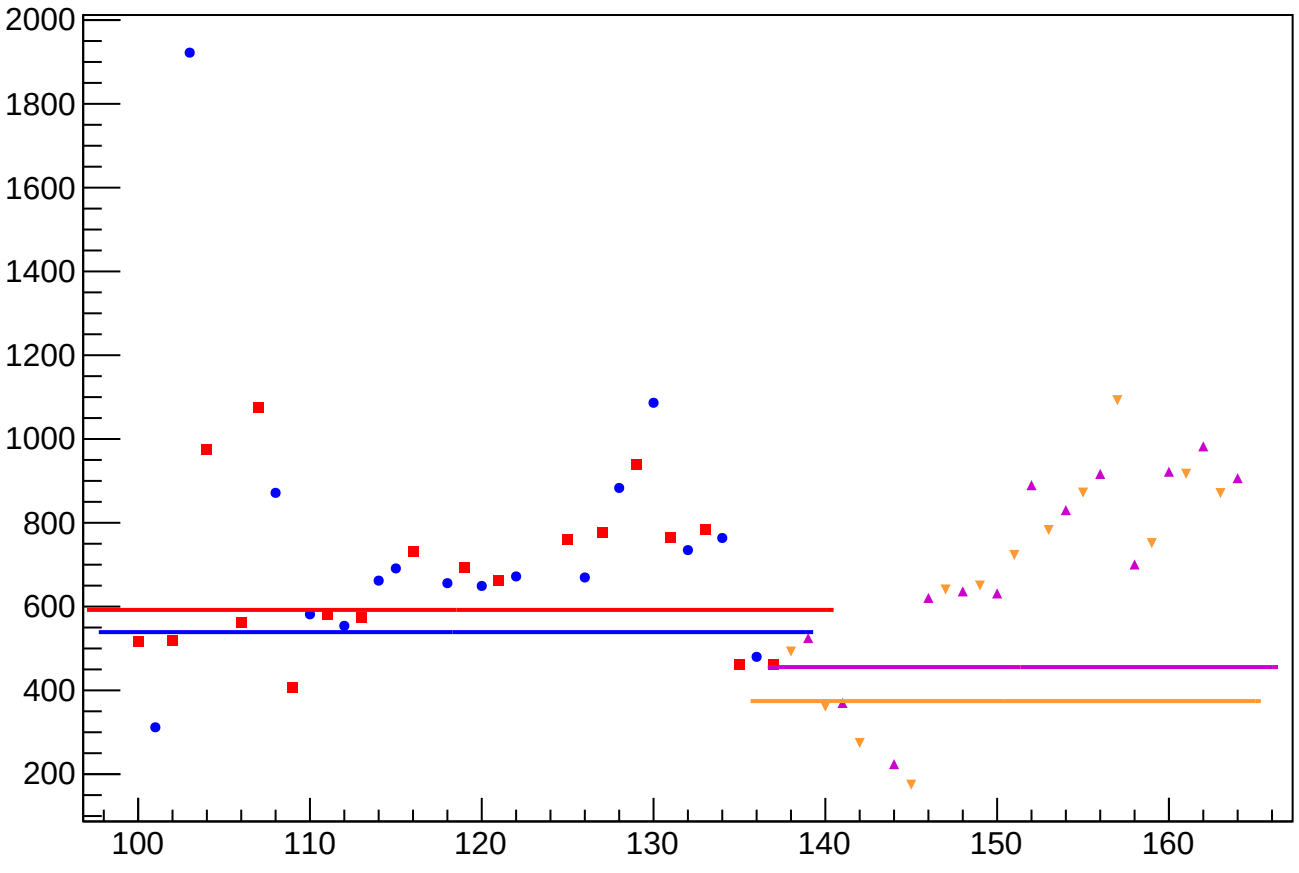
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -222.305+/-157.510 χ^2/NDF:11.1/12

+ sign 47.888+/-118.867 χ^2/NDF: 24.4/28

All: -38.002+/-88.148 χ^2/NDF: 58.9/59

- sign -142.946+/-131.393 χ^2/NDF: 33.4/30



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 374.433+/-0.100 χ^2/NDF:6191982.3/12

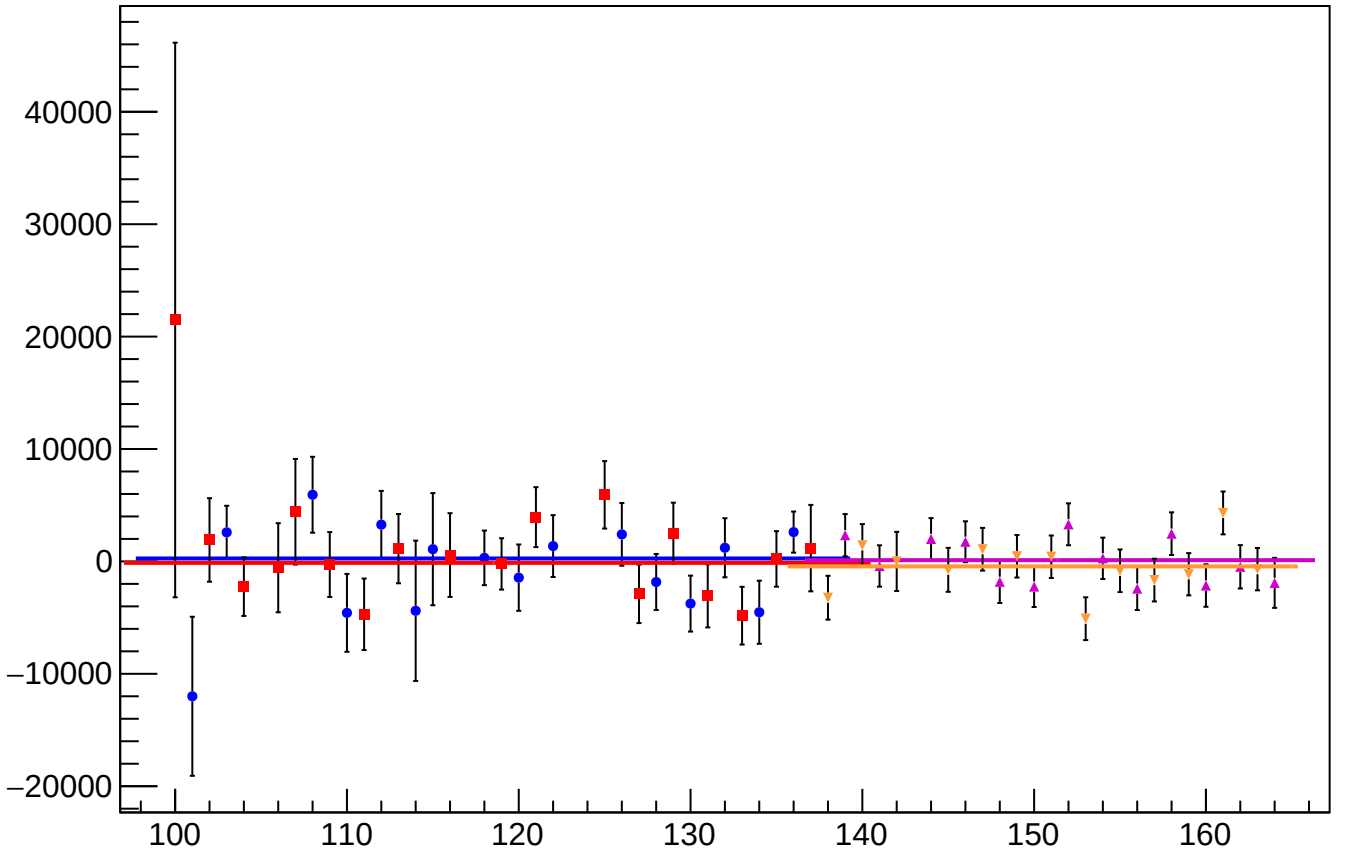
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 455.572+/-0.111 χ^2/NDF:4878913.2/12

+ sign 422.436+/-0.084 χ^2/NDF: 8838691.2/28

All: 456.038+/-0.062 χ^2/NDF: 15372785.3/59

- 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: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

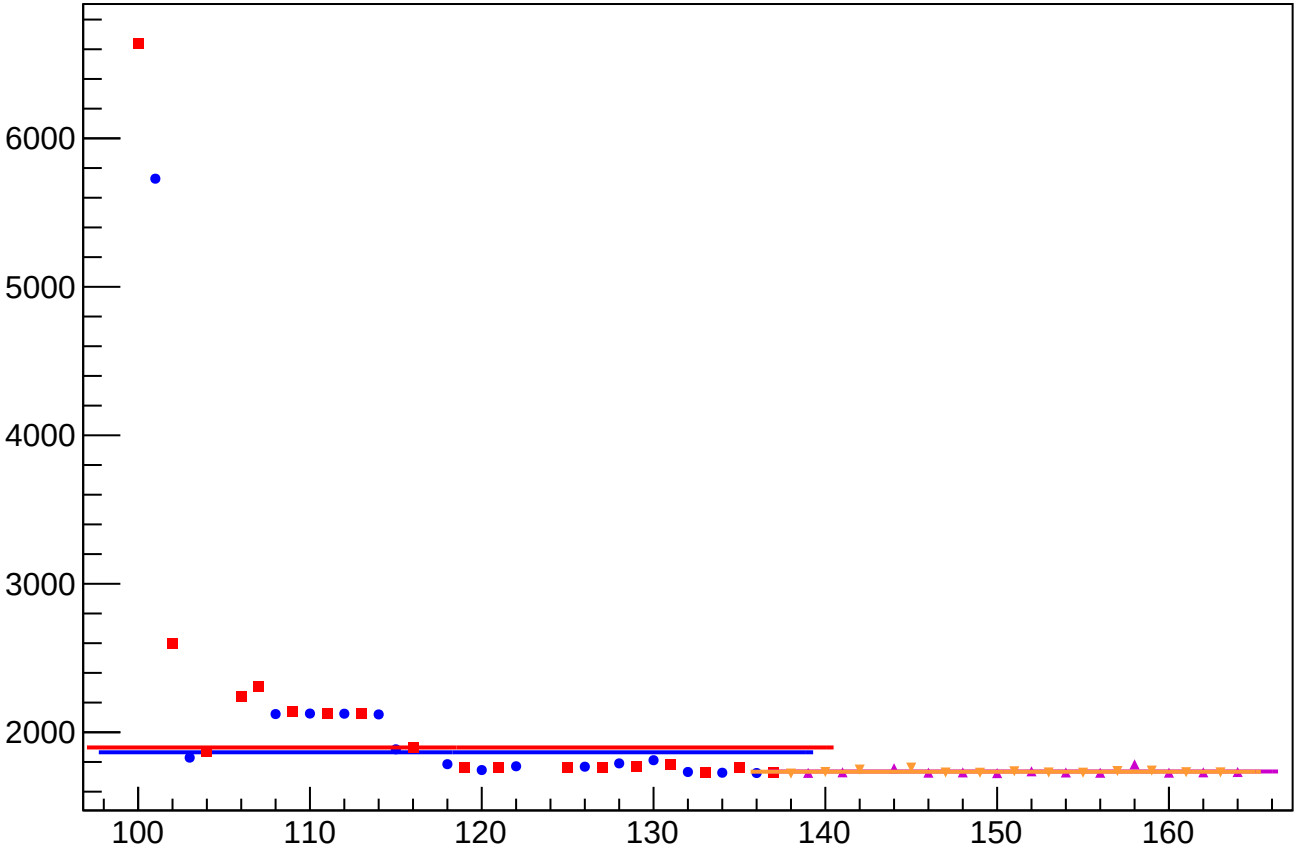
Left In: 109.836+/-524.124 χ^2/NDF:14.6/12

+ sign -186.571+/-428.645 χ^2/NDF: 37.0/28

All: -78.843+/-300.884 χ^2/NDF: 69.8/59

- 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: 1734.417+/-0.380 χ^2/NDF:689.0/12

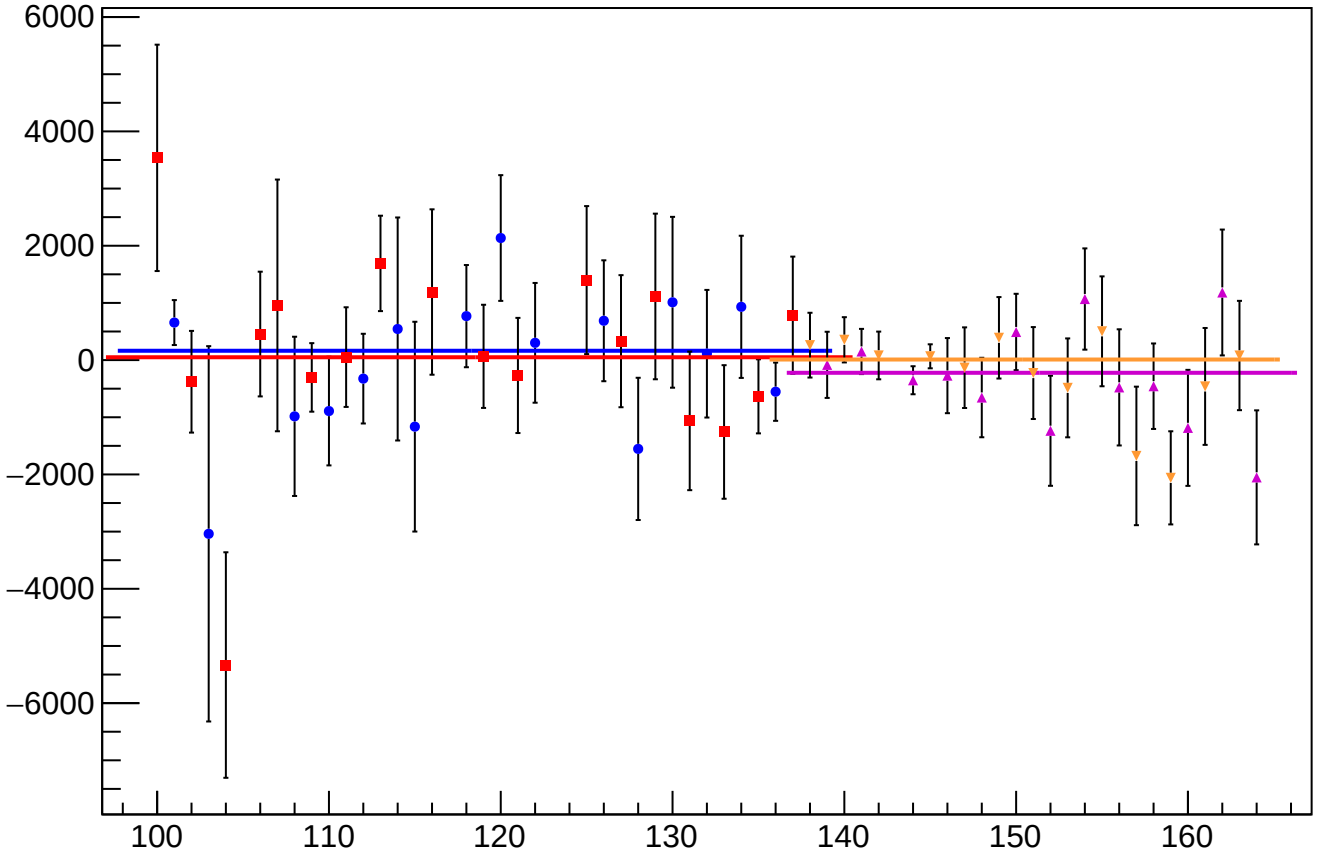
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.8/28

All: 1787.457+/-0.213 χ^2/NDF: 1043466.4/59

- 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: 9.889+/-141.238 χ^2/NDF:10.7/12

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

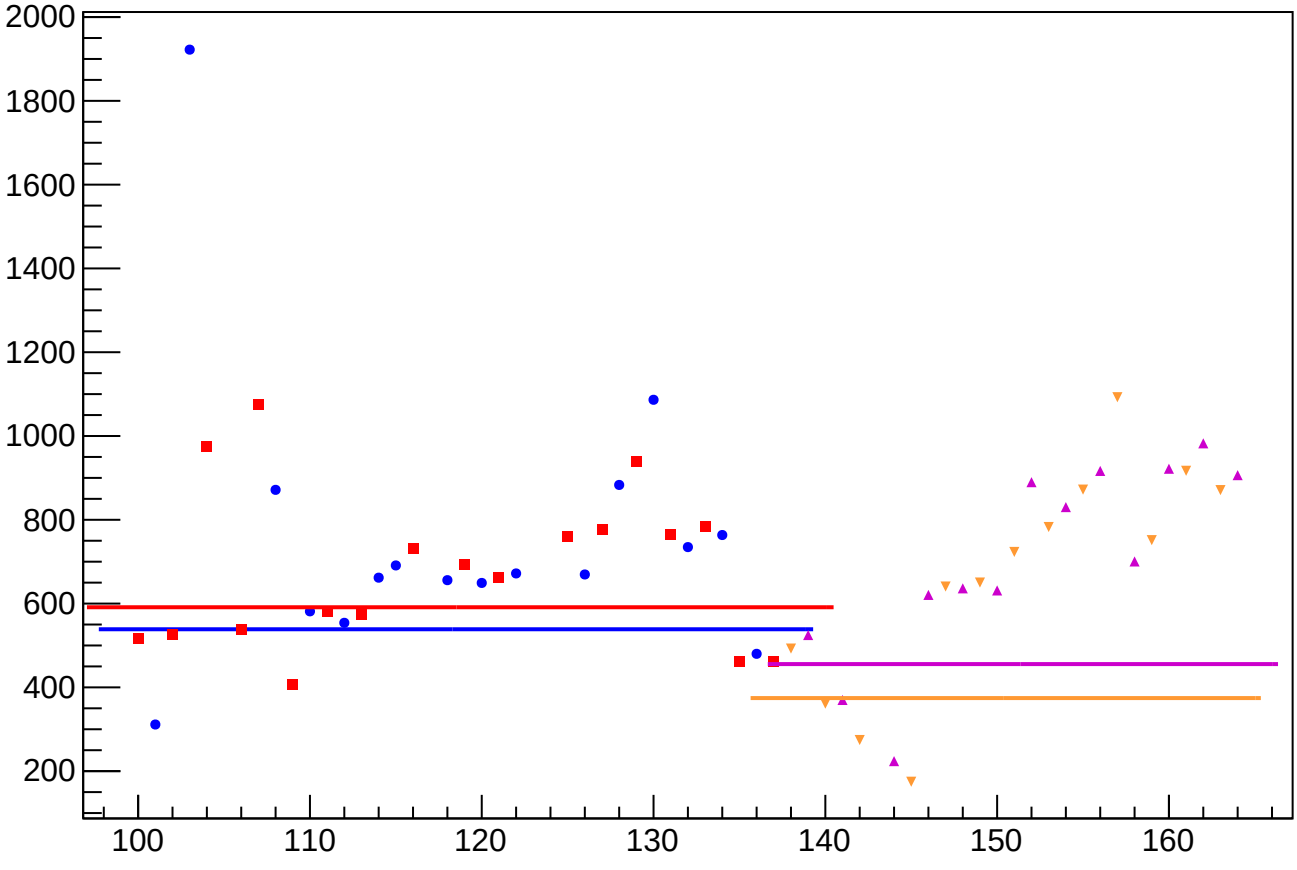
Left In: -222.297+/-157.511 χ^2/NDF:11.1/12

\+ sign 54.613+/-118.857 χ^2/NDF: 24.9/28

All: -32.783+/-88.141 χ^2/NDF: 59.6/59

\- sign -139.571+/-131.384 χ^2/NDF: 33.5/30

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 374.442+/-0.100 χ^2/NDF:6191751.0/12

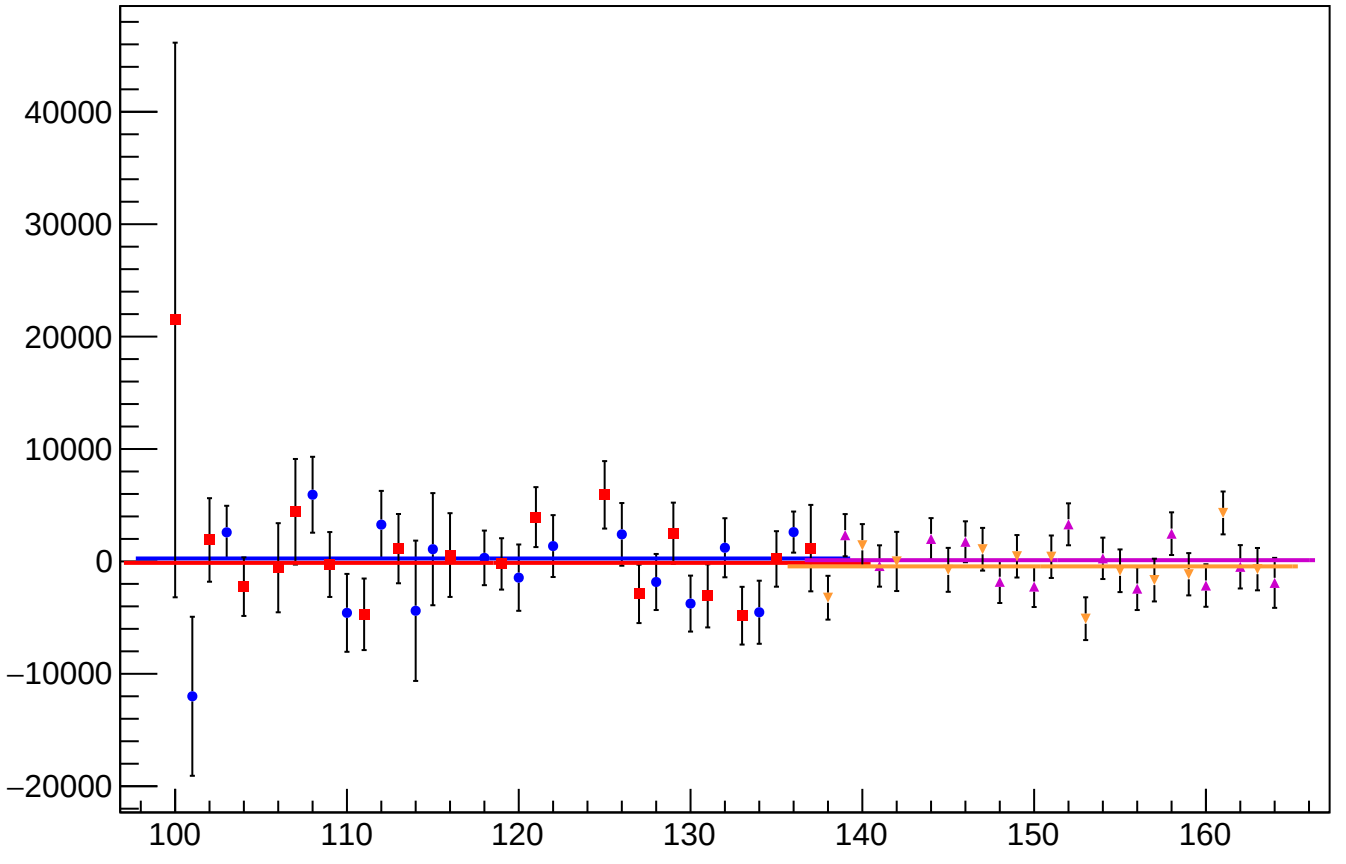
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

+ sign 422.376+/-0.084 χ^2/NDF: 8840059.2/28

All: 455.895+/-0.062 χ^2/NDF: 15367963.4/59

- 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: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

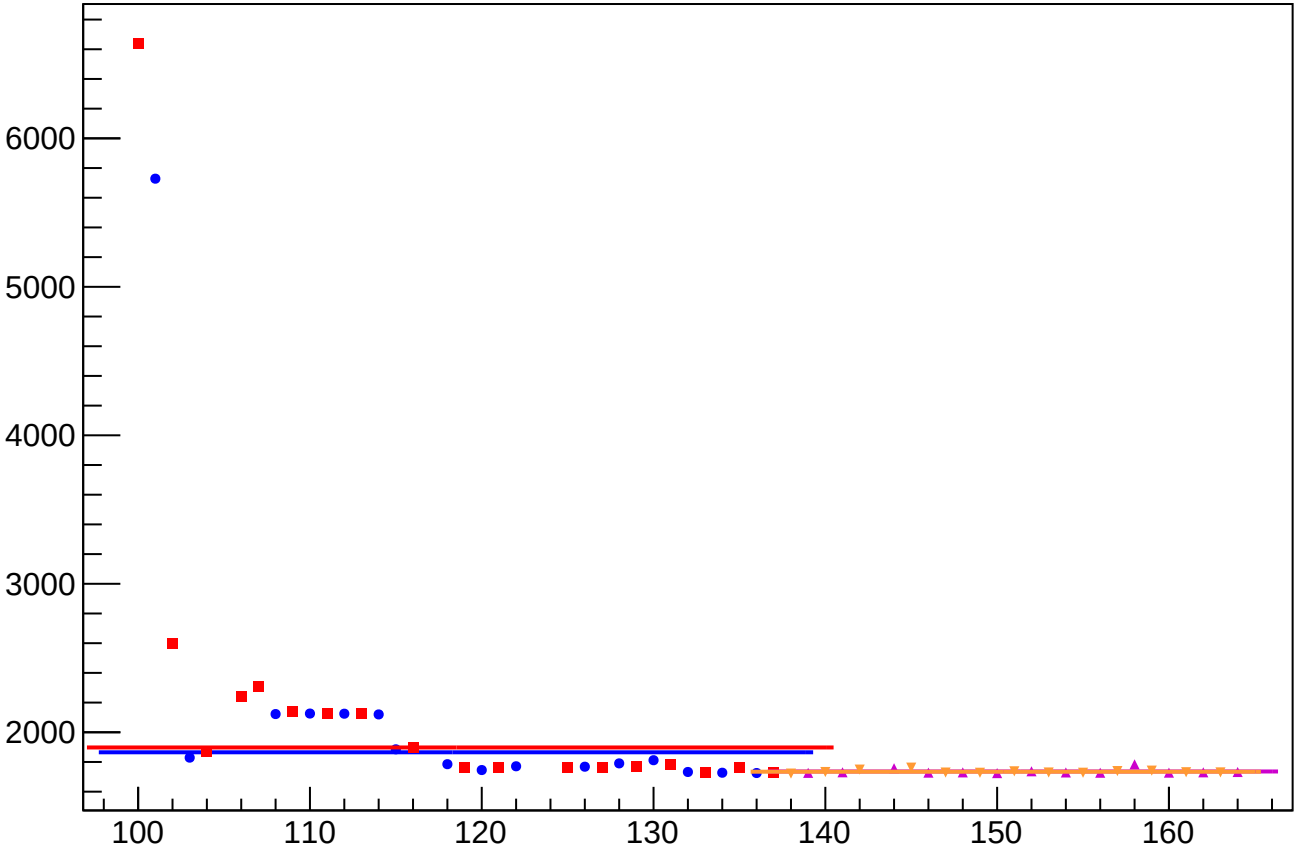
Left In: 109.836+/-524.124 χ^2/NDF:14.6/12

+ sign -186.571+/-428.645 χ^2/NDF: 37.0/28

All: -78.843+/-300.884 χ^2/NDF: 69.8/59

- 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: 1734.417+/-0.380 χ^2/NDF:689.0/12

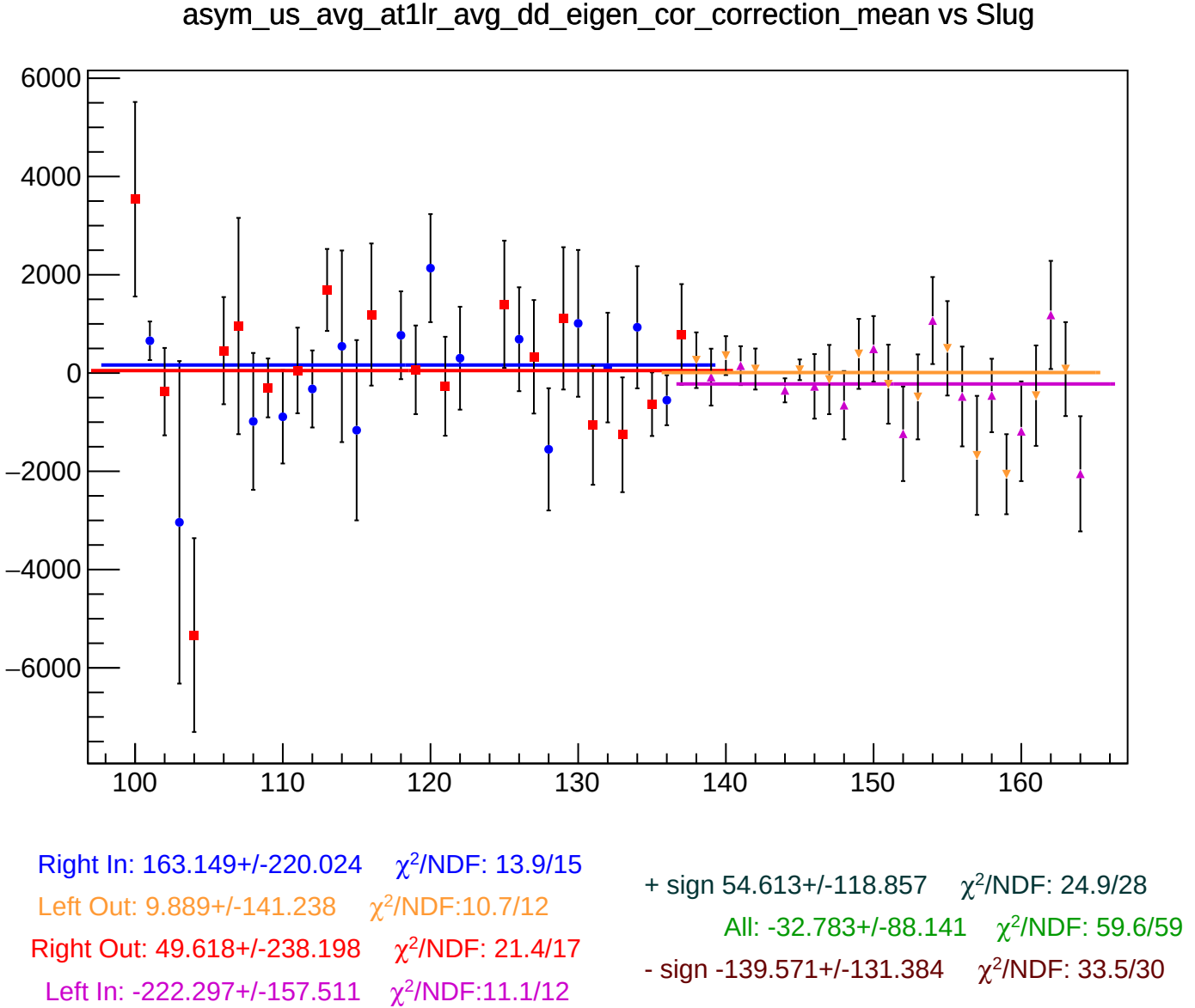
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

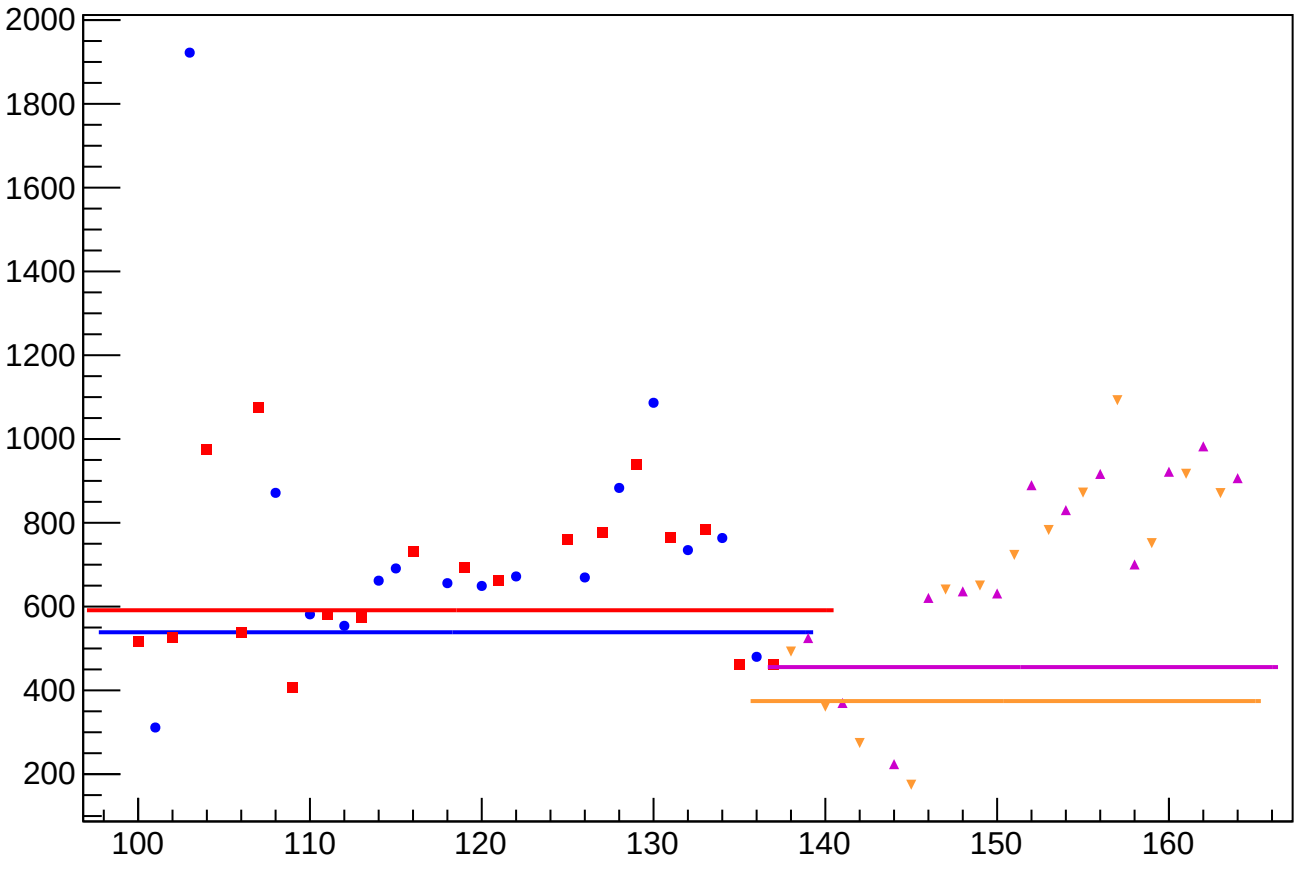
Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.8/28

All: 1787.457+/-0.213 χ^2/NDF: 1043466.4/59

- 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: 9.889+/-141.238 χ²/NDF:10.7/12
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -222.297+/-157.511 χ²/NDF:11.1/12
+ sign 54.613+/-118.857 χ²/NDF: 24.9/28
All: -32.783+/-88.141 χ²/NDF: 59.6/59
- sign -139.571+/-131.384 χ²/NDF: 33.5/30



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

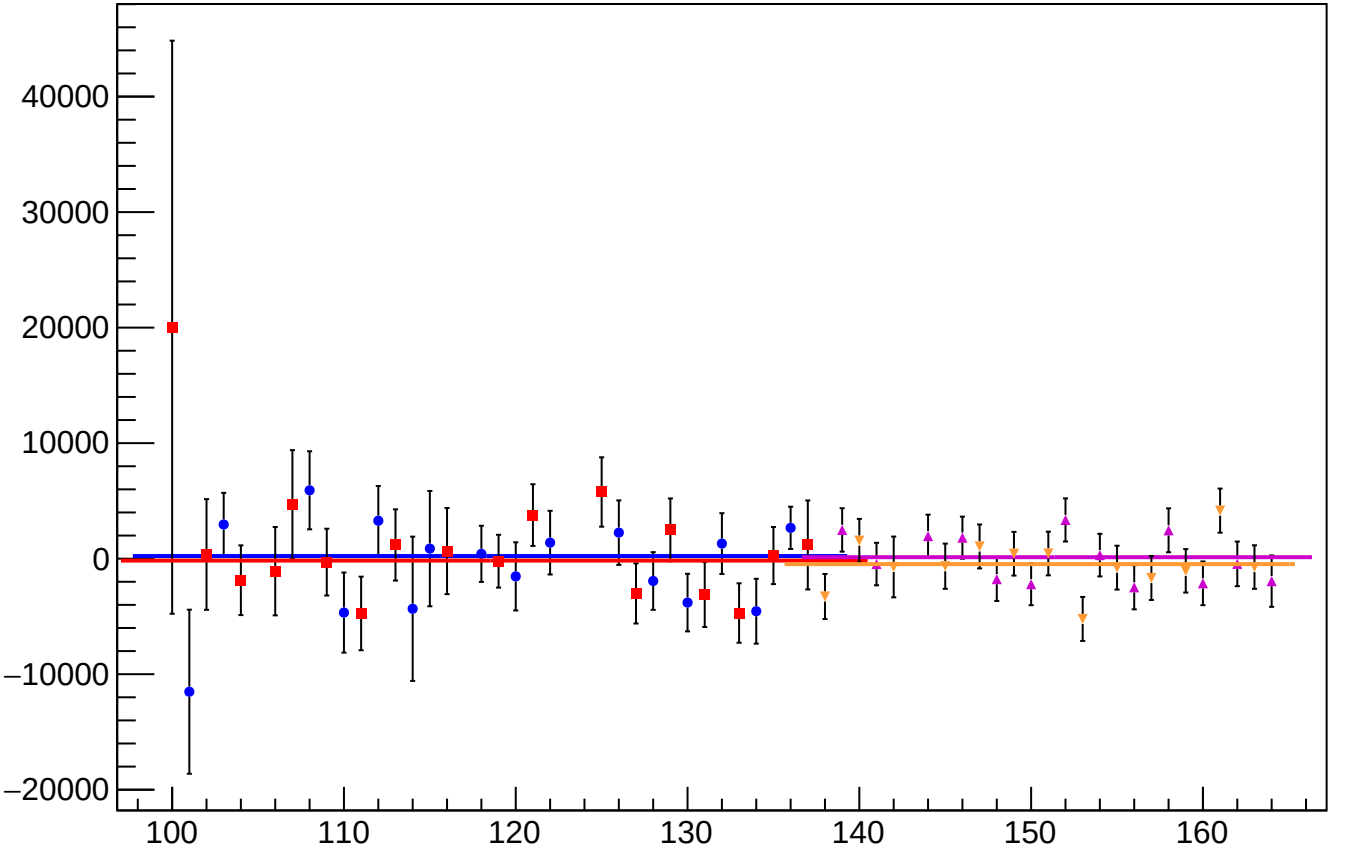
Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

+ sign 422.376+/-0.084 χ^2/NDF: 8840059.2/28

All: 455.895+/-0.062 χ^2/NDF: 15367963.4/59

- 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: -474.100+/-538.184 χ^2/NDF:17.0/12

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

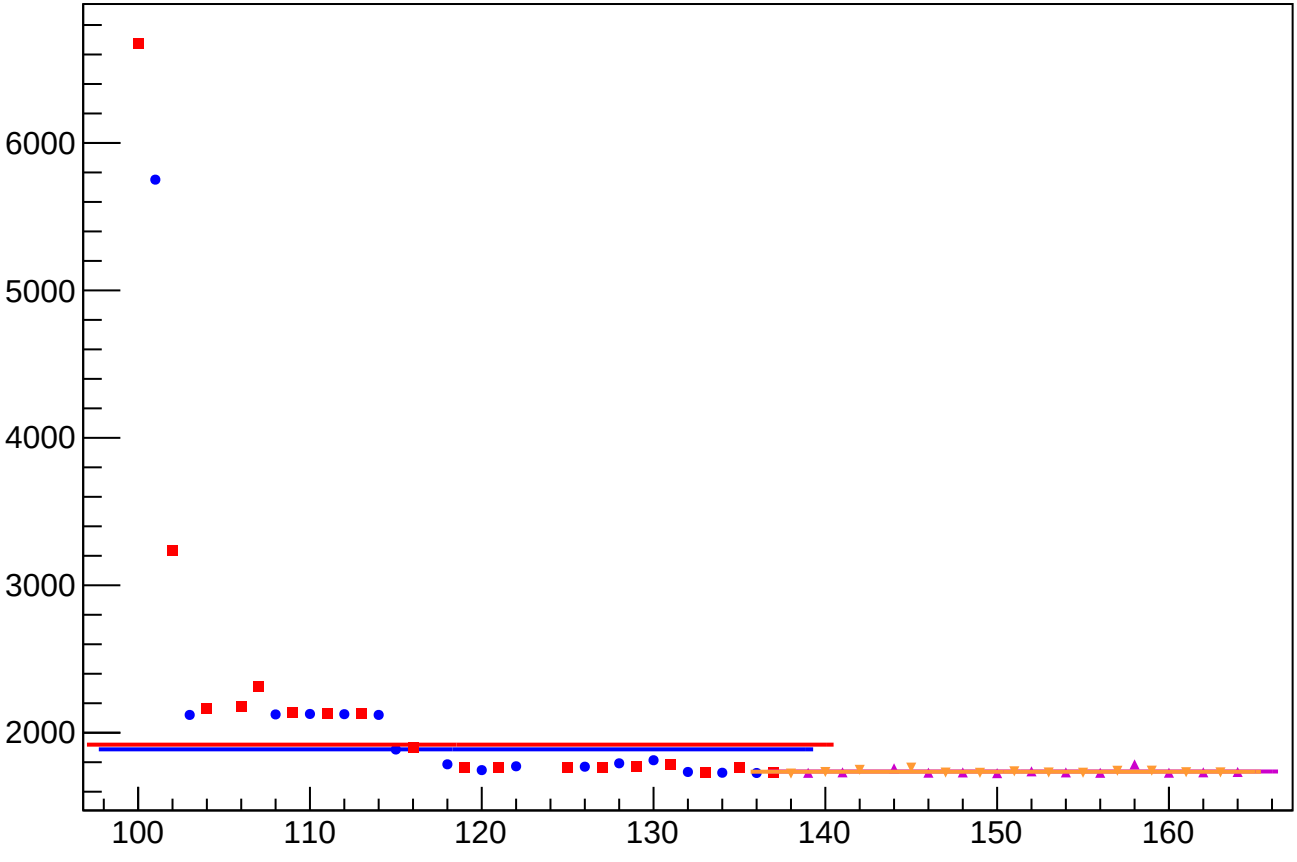
Left In: 127.523+/-524.456 χ^2/NDF:14.9/12

\+ sign -222.421+/-430.758 χ^2/NDF: 37.0/28

All: -95.745+/-302.568 χ^2/NDF: 69.2/59

\- 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: 1735.573+/-0.381 χ^2/NDF:694.8/12

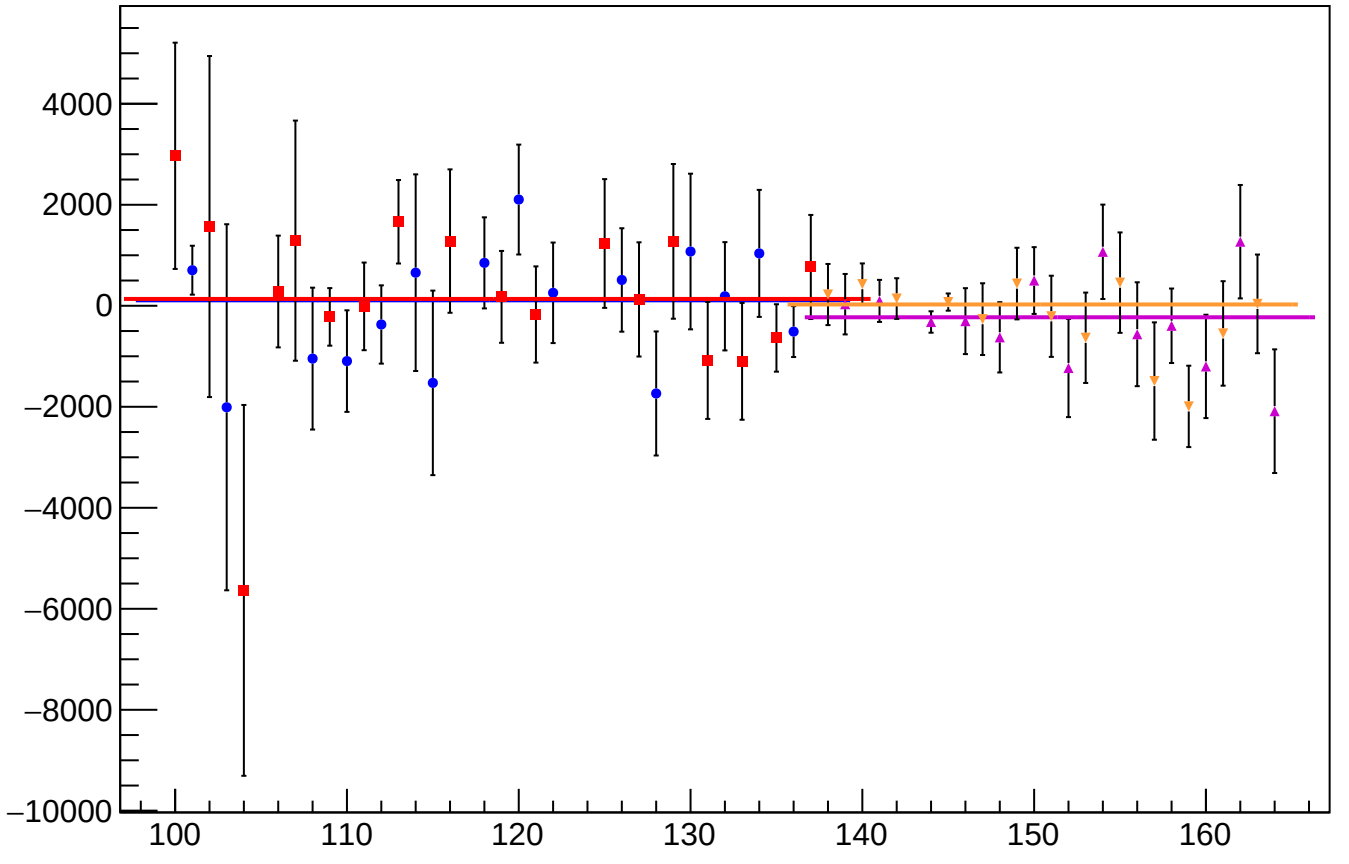
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

+ sign 1790.103+/-0.305 χ^2/NDF: 747271.9/28

All: 1794.889+/-0.214 χ^2/NDF: 1184895.1/59

- 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: 26.274+/-127.665 χ^2/NDF:10.8/12

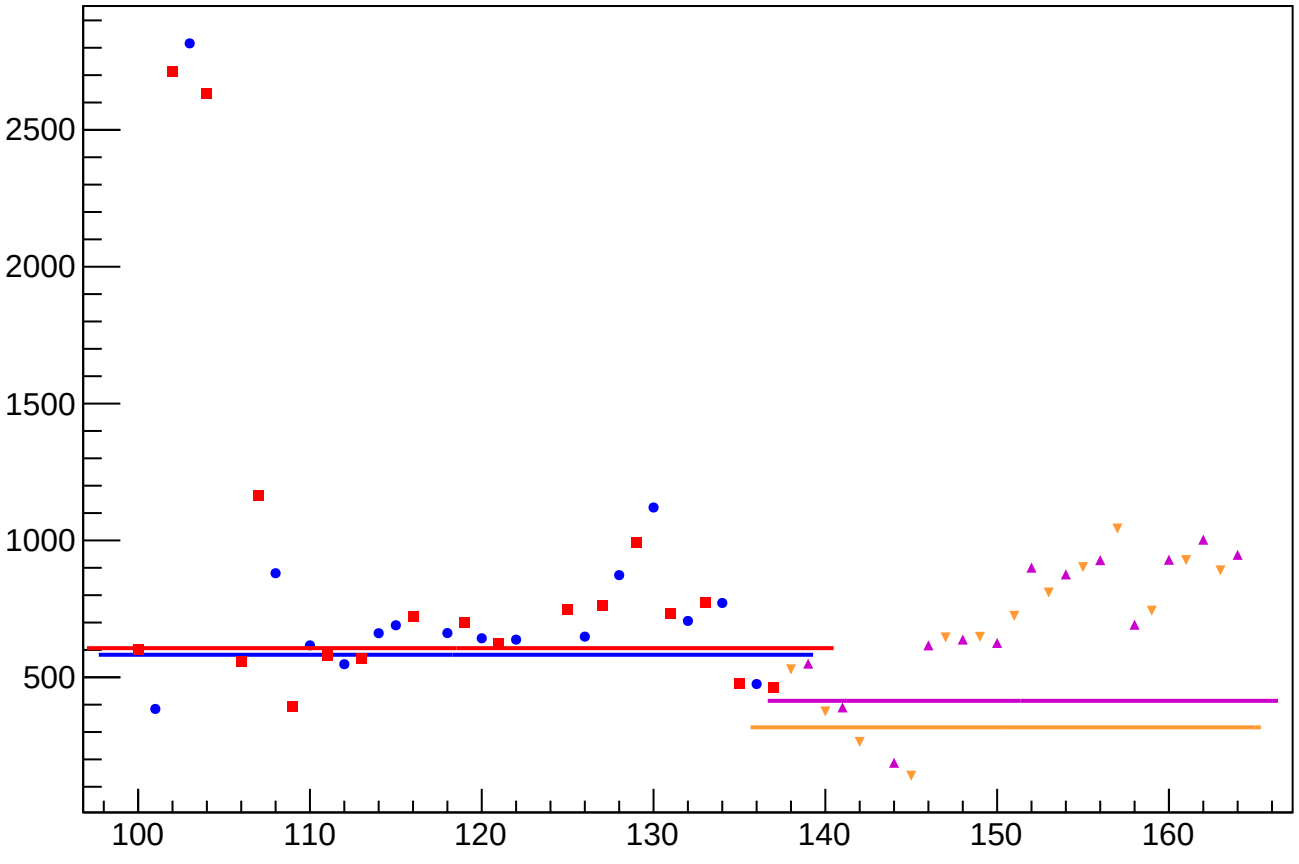
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -227.603+/-149.321 χ^2/NDF:10.7/12

+ sign 45.336+/-111.817 χ^2/NDF: 25.1/28

All: -30.729+/-84.107 χ^2/NDF: 52.8/59

- 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: 317.217+/-0.090 χ^2/NDF:7878899.6/12

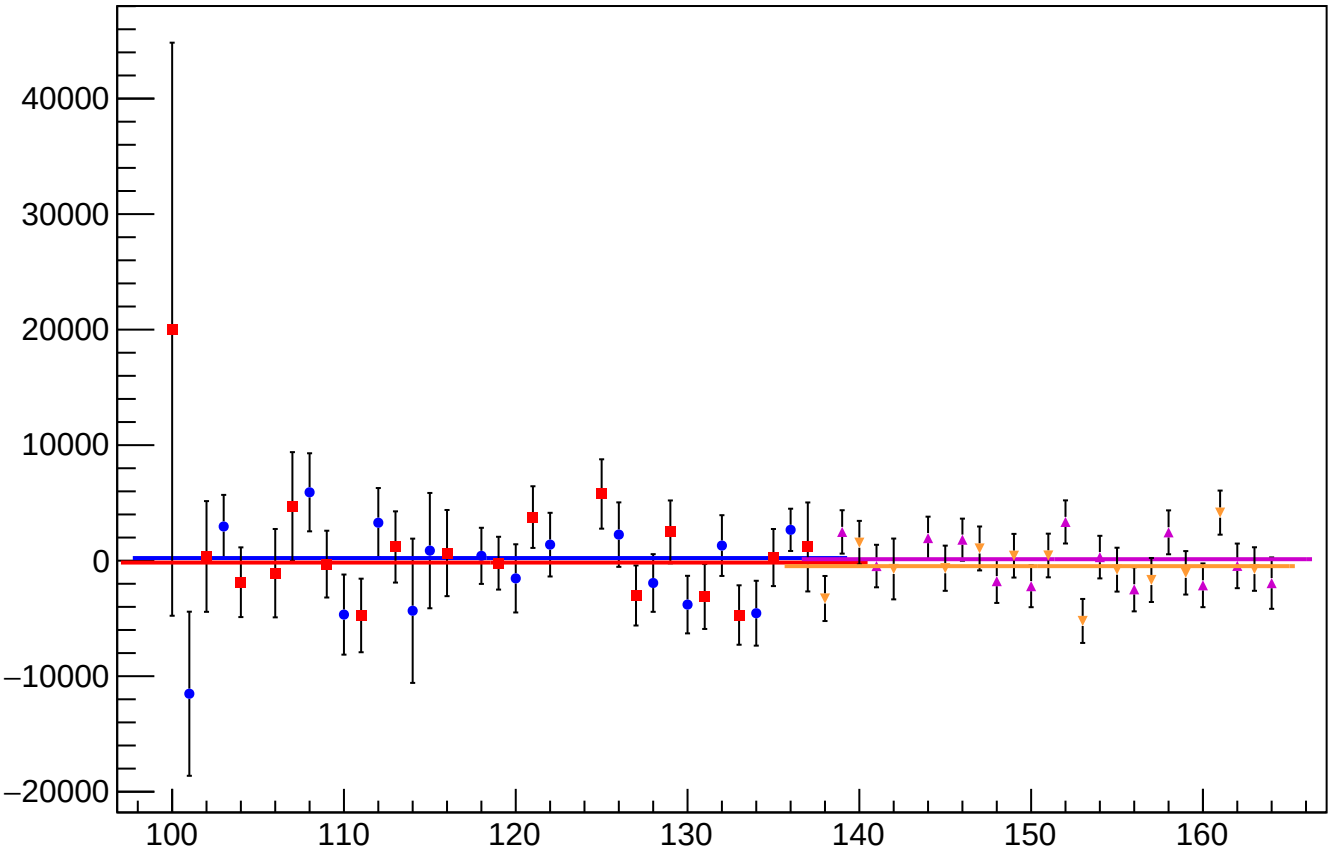
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 413.996+/-0.106 χ^2/NDF:6195605.4/12

+ sign 378.941+/-0.079 χ^2/NDF: 11640766.5/28

All: 416.672+/-0.059 χ^2/NDF: 21454081.1/59

- 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: -474.104+/-538.184 χ^2/NDF:17.0/12

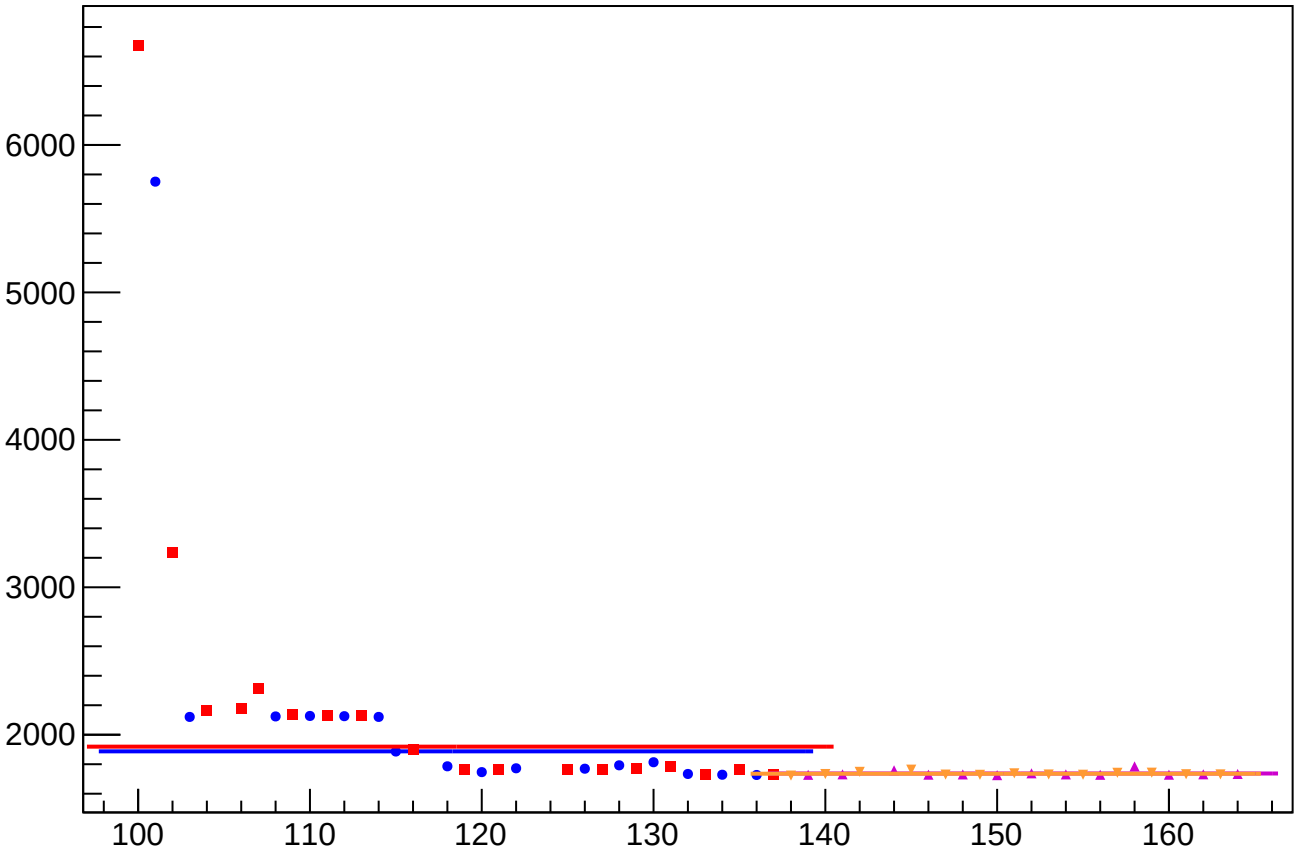
Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 127.522+/-524.456 χ^2/NDF:14.9/12

+ sign -222.424+/-430.758 χ^2/NDF: 37.0/28

All: -95.747+/-302.568 χ^2/NDF: 69.2/59

- sign 27.620+/-425.091 χ^2/NDF: 32.0/30



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

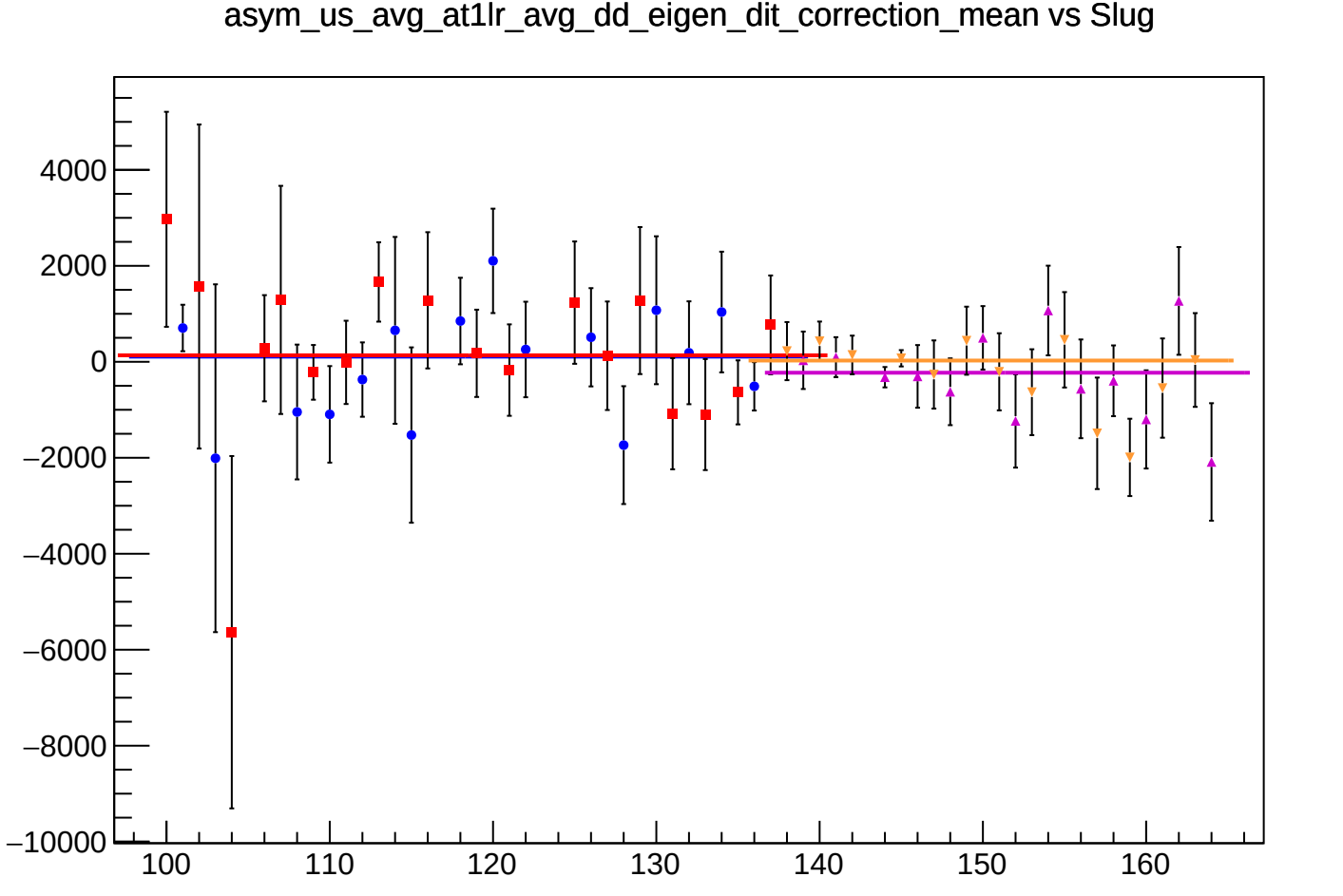
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

+ sign 1790.103+/-0.305 χ^2/NDF: 747271.5/28

All: 1794.889+/-0.214 χ^2/NDF: 1184893.9/59

- 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: 26.272+/-127.666 χ^2/NDF:10.8/12

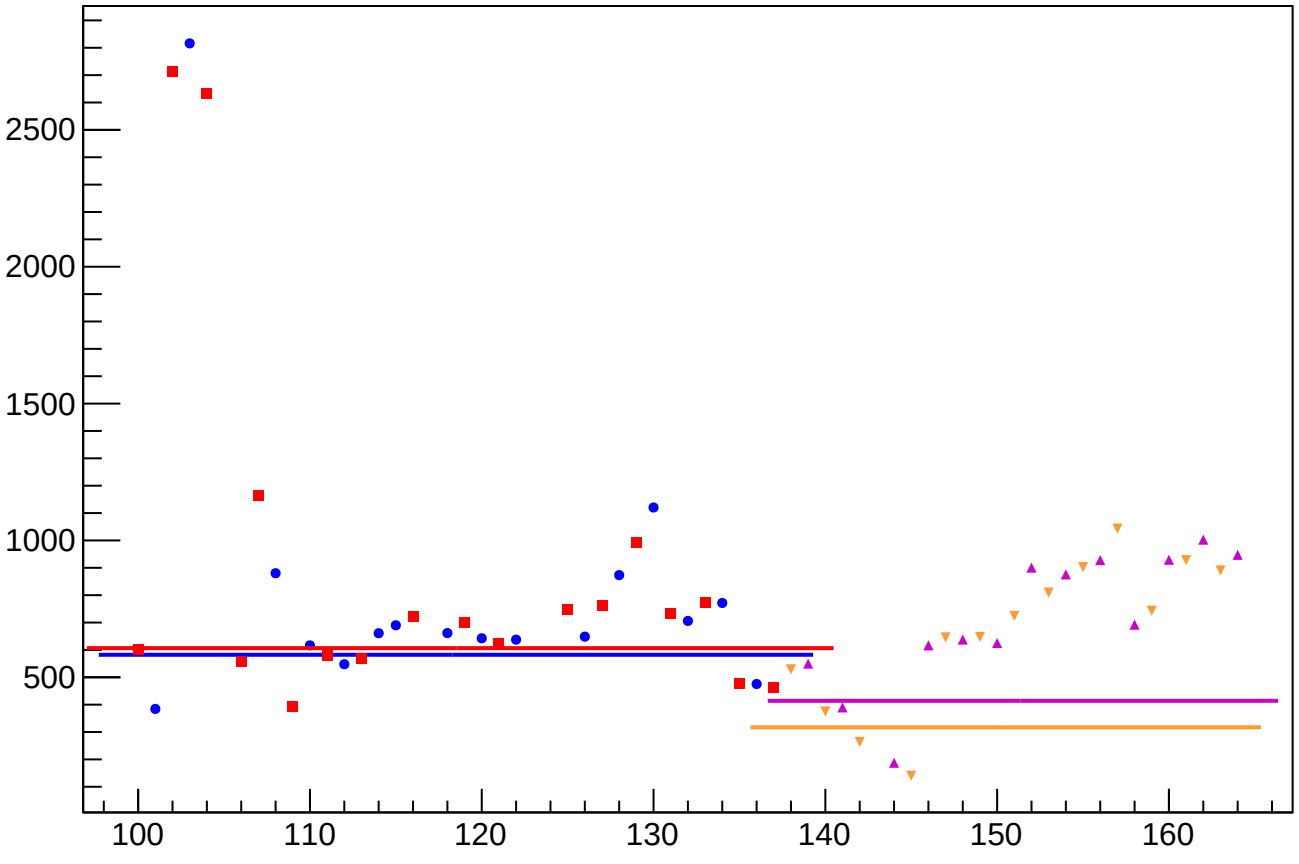
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

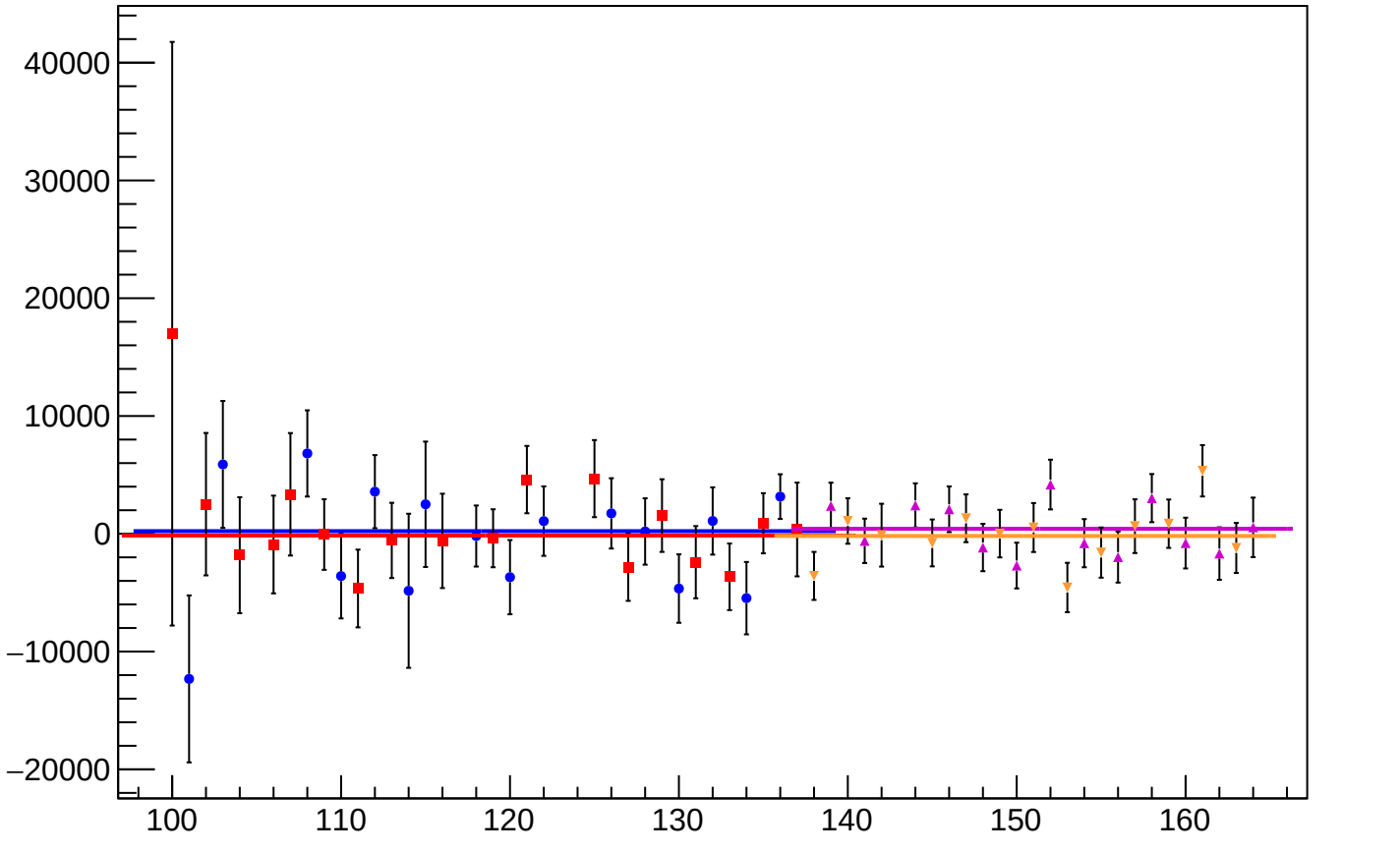
Left In: -227.604+/-149.322 χ^2/NDF:10.7/12

+ sign 45.334+/-111.817 χ^2/NDF: 25.1/28

All: -30.729+/-84.107 χ^2/NDF: 52.8/59

- sign -129.839+/-127.637 χ^2/NDF: 26.6/30


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 582.268+/-0.164 χ²/NDF: 1754289.3/15
Left Out: 317.217+/-0.090 χ²/NDF:7878930.0/12
Right Out: 606.447+/-0.174 χ²/NDF: 2198414.3/17
Left In: 413.997+/-0.106 χ²/NDF:6195624.6/12
+ sign 378.941+/-0.079 χ²/NDF: 11640769.4/28
All: 416.672+/-0.059 χ²/NDF: 21454084.8/59
- sign 465.834+/-0.090 χ²/NDF: 9288877.5/30



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -184.313+/-584.174 χ^2/NDF:15.8/12

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

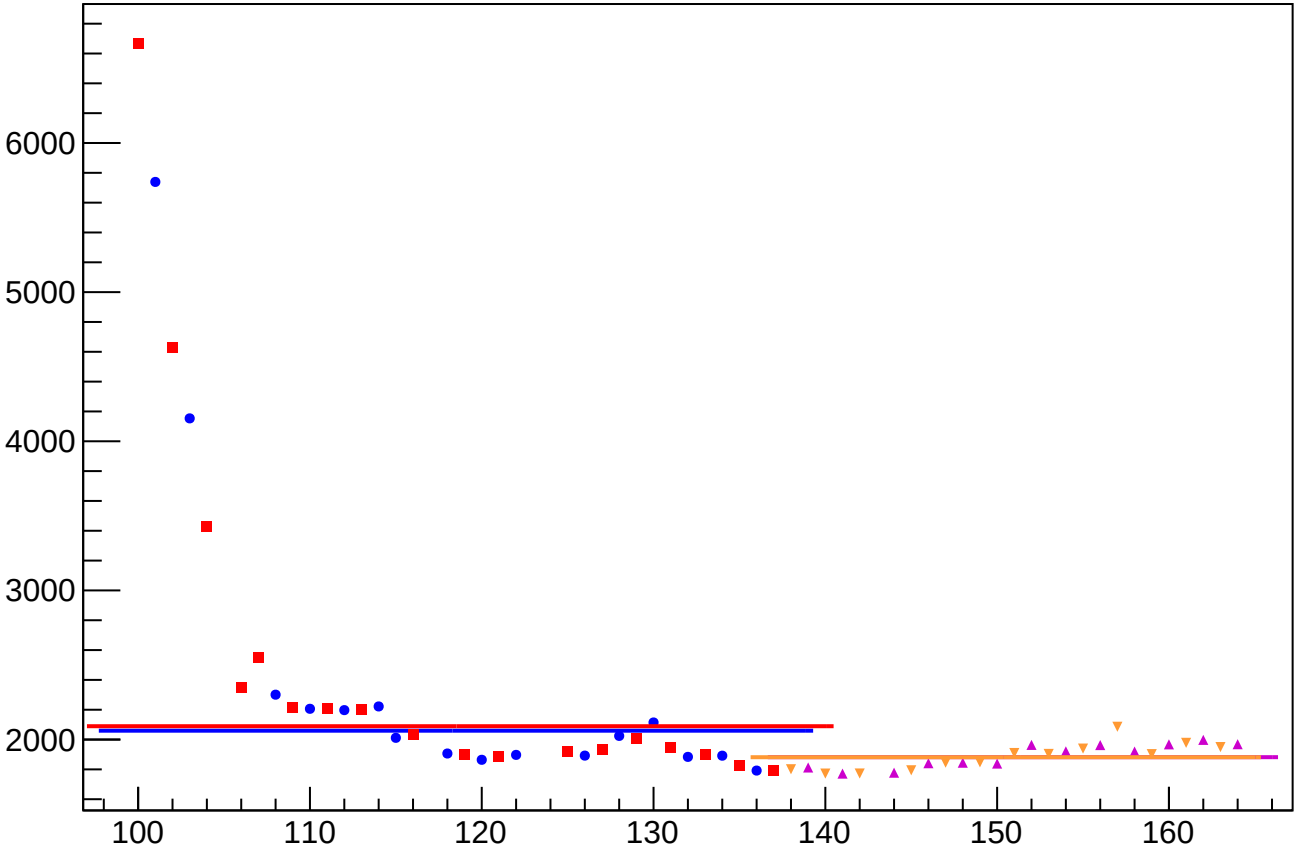
Left In: 423.111+/-568.683 χ^2/NDF:13.9/12

+ sign -40.184+/-470.057 χ^2/NDF: 37.2/28

All: 96.902+/-329.628 χ^2/NDF: 63.2/59

- 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: 1881.586+/-0.413 χ^2/NDF:42289.9/12

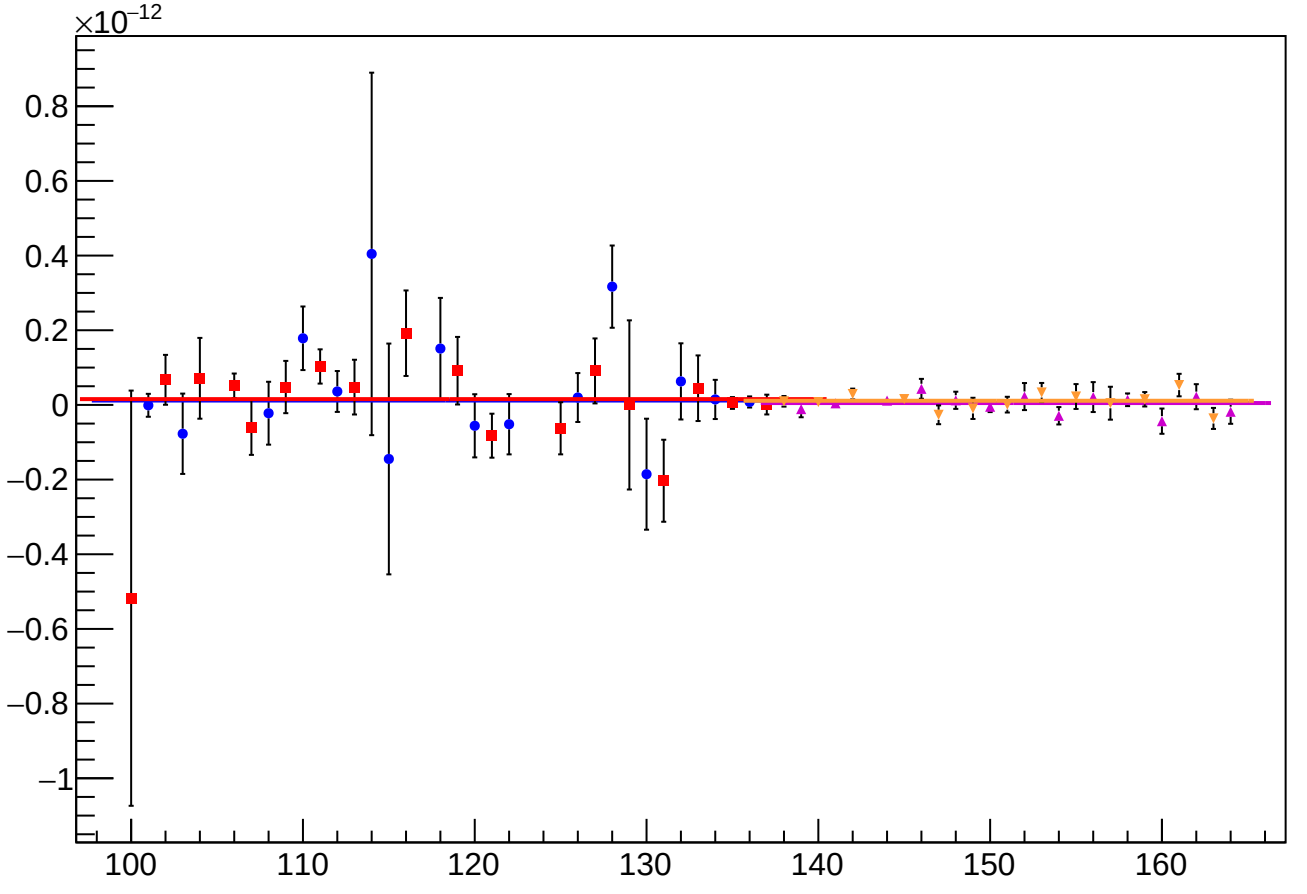
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1881.881+/-0.402 χ^2/NDF:36247.4/12

+ sign 1944.306+/-0.332 χ^2/NDF: 1047559.0/28

All: 1948.342+/-0.233 χ^2/NDF: 1855898.5/59

- 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:10.5/12

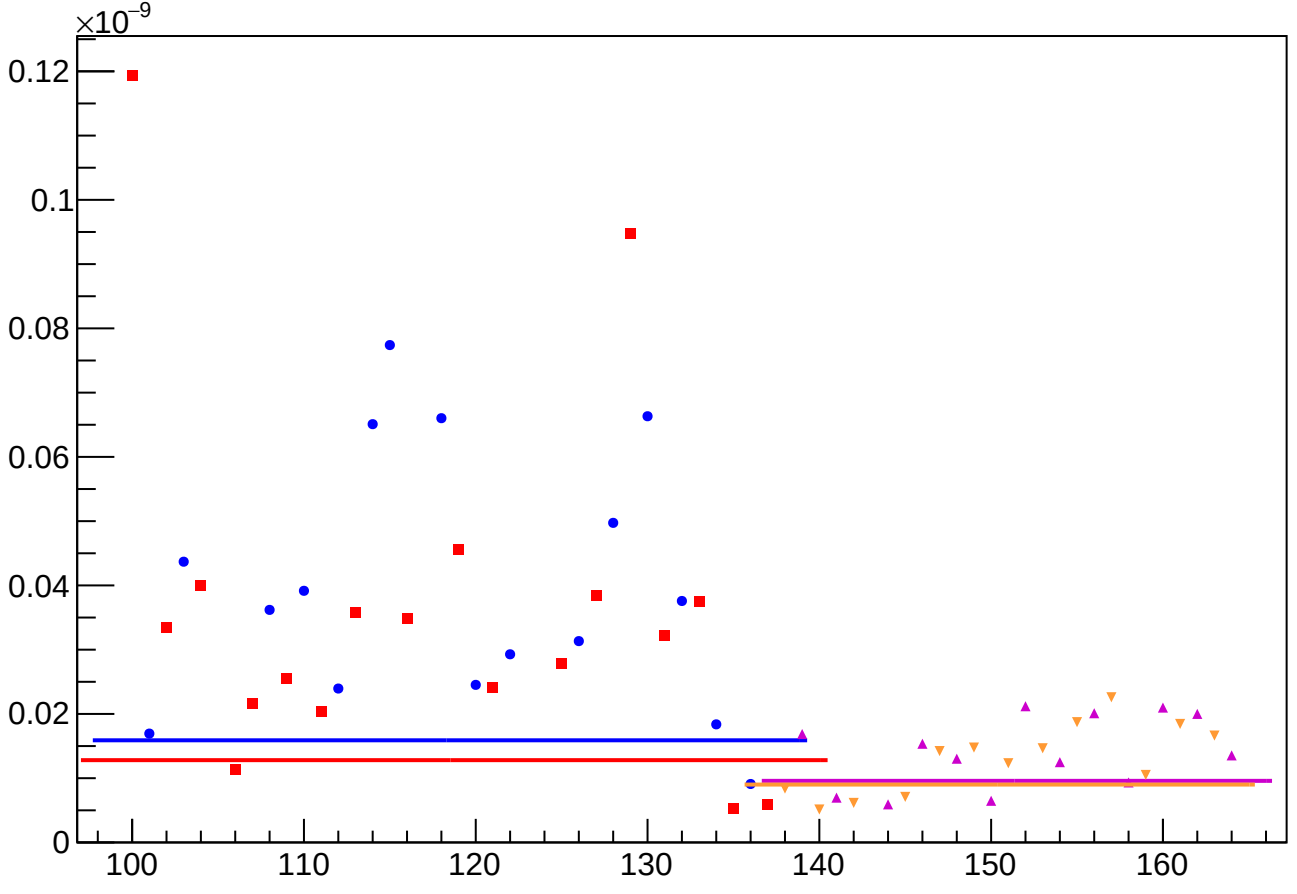
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/28

All: 0.000+/-0.000 χ^2/NDF: 59.8/59

- 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:1486386.0/12

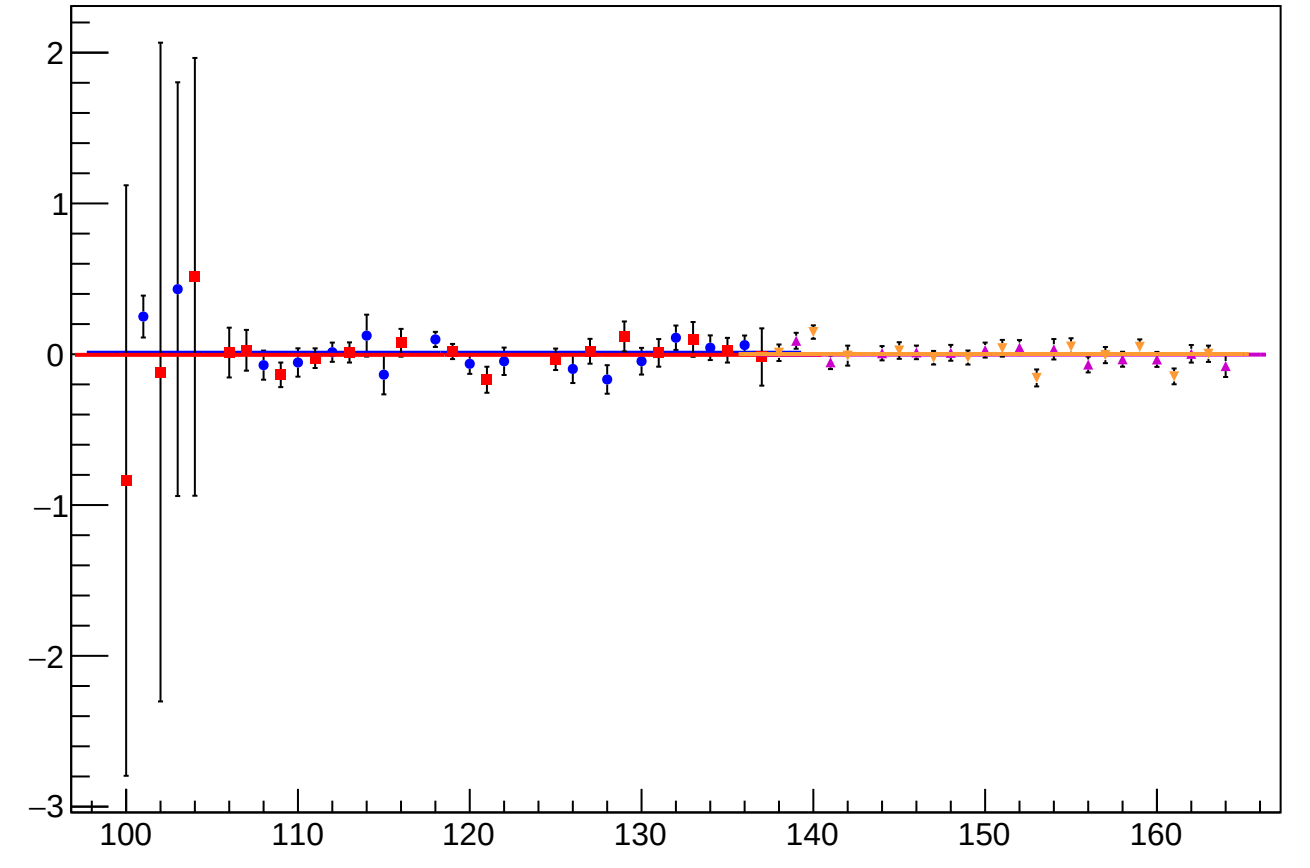
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1670168.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 4019596.9/28

All: 0.000+/-0.000 χ^2/NDF: 8323772.7/59

- 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:29.6/12

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

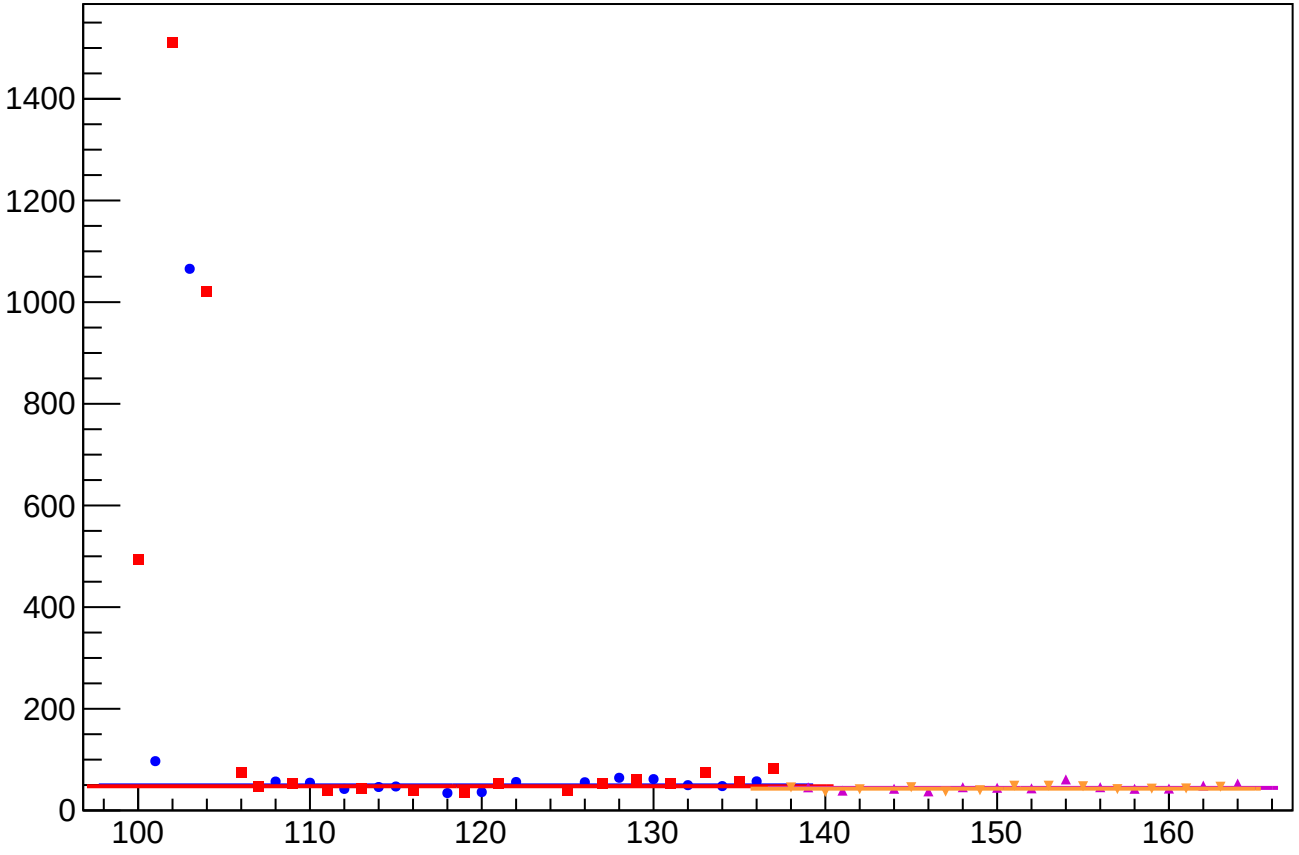
Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.001+/-0.008 χ^2/NDF: 68.3/59

- sign -0.003+/-0.012 χ^2/NDF: 20.0/30

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.898+/-0.010 χ^2/NDF:162056.5/12

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

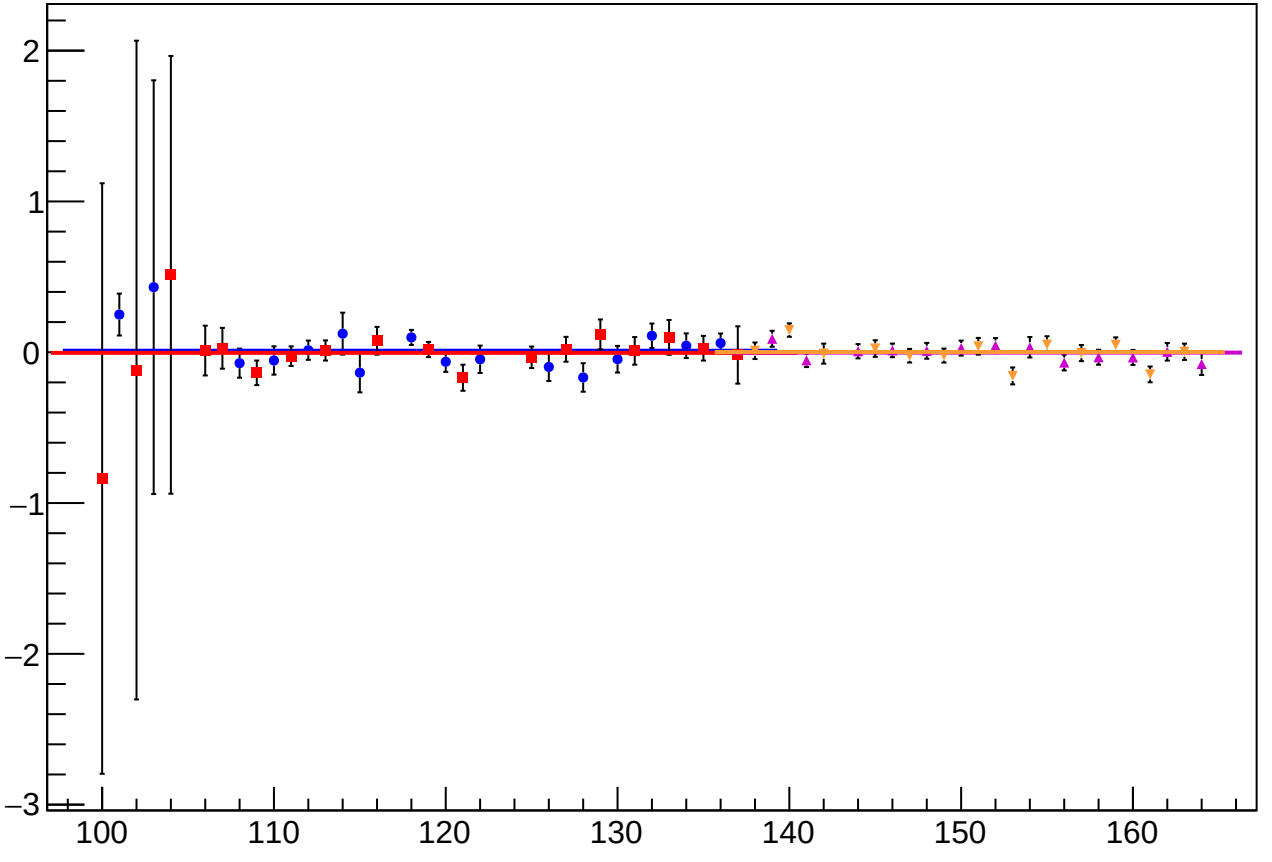
Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

\+ sign 44.977+/-0.008 χ^2/NDF: 2066695.9/28

All: 45.175+/-0.006 χ^2/NDF: 4760879.2/59

\- sign 45.375+/-0.008 χ^2/NDF: 2693071.2/30

asym_us_avg_at1lr_avg_dd_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:29.6/12

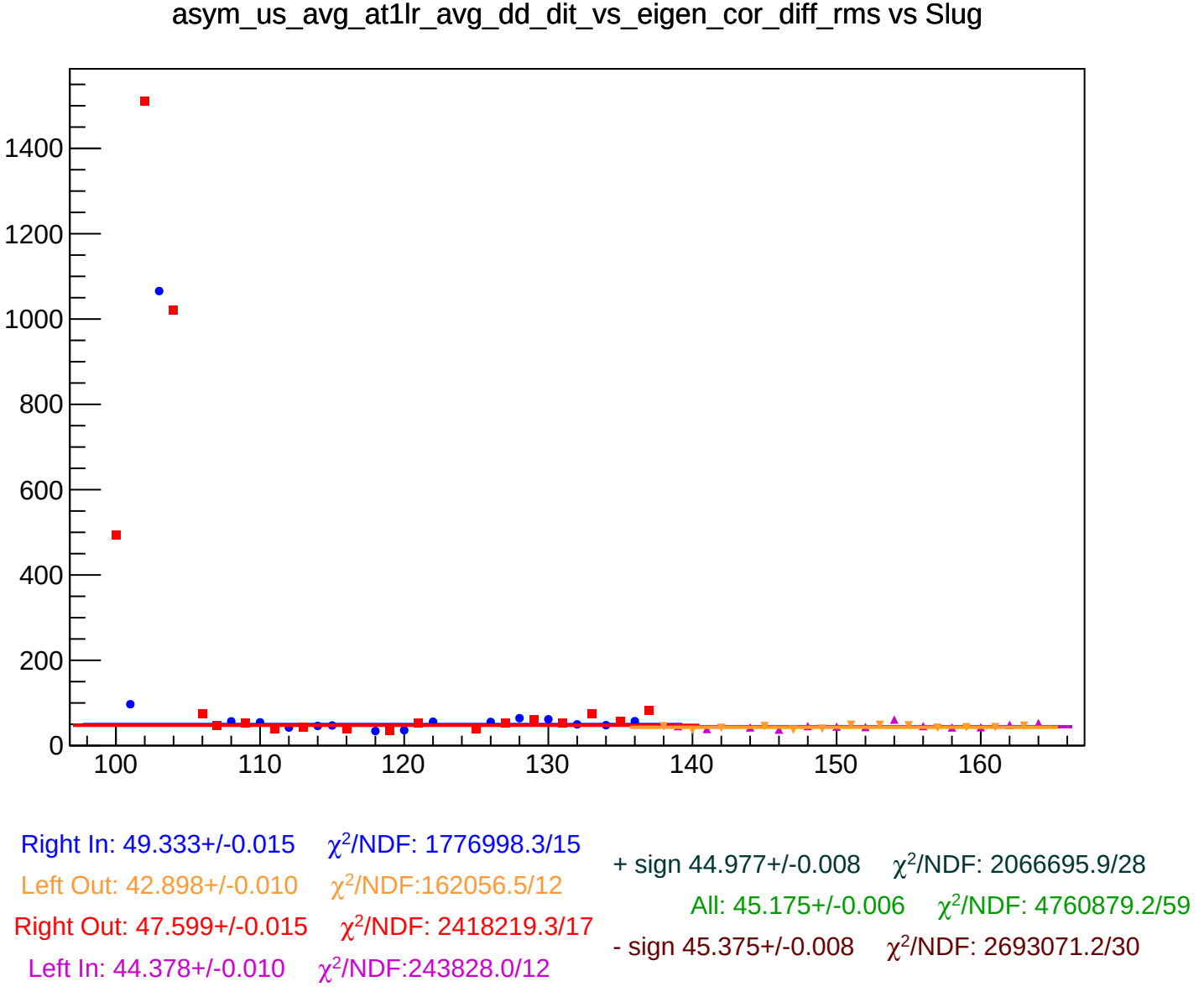
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.001+/-0.008 χ^2/NDF: 68.3/59

- 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
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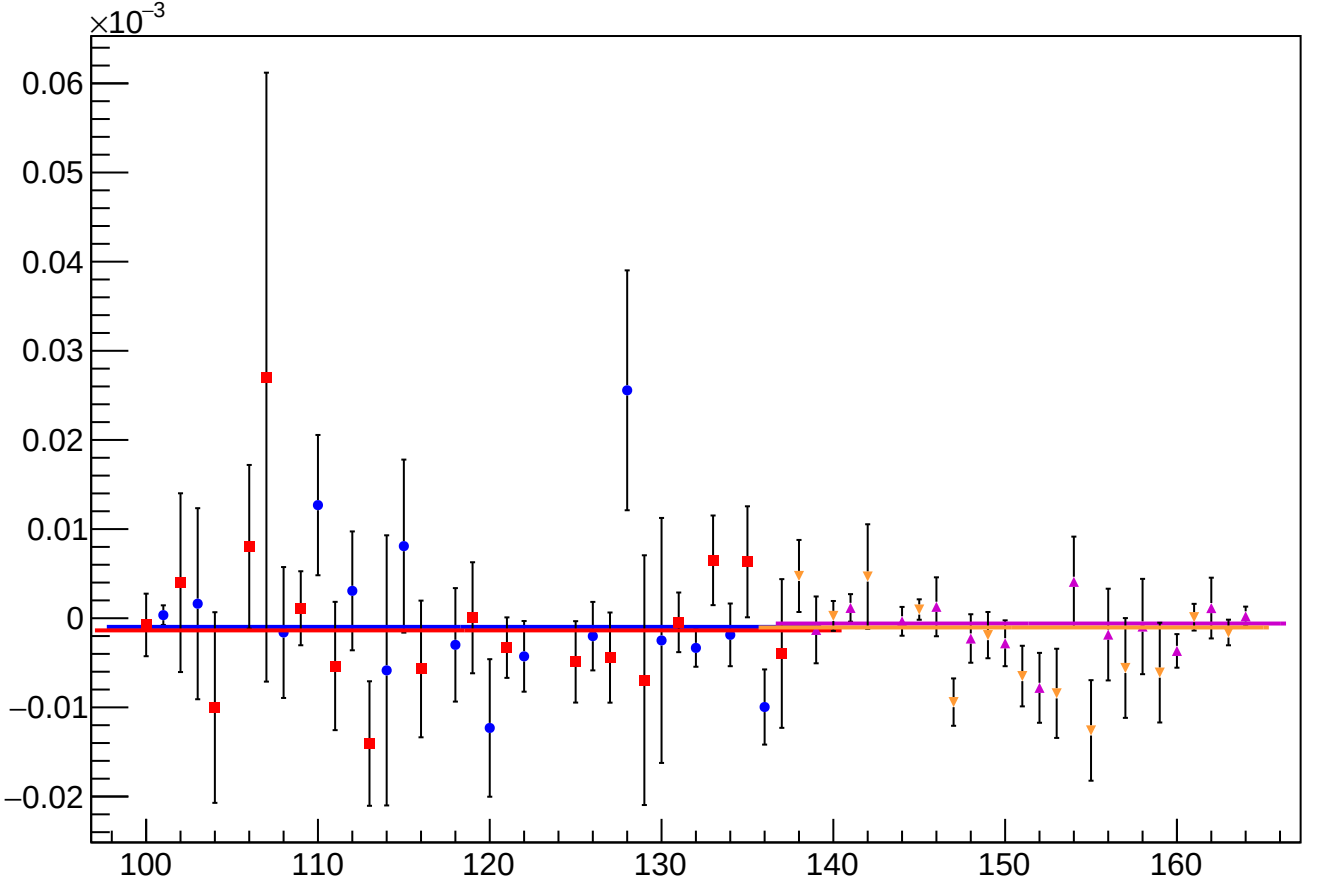
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.898+/-0.010 χ²/NDF:162056.5/12
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 44.378+/-0.010 χ²/NDF:243828.0/12
+ sign 44.977+/-0.008 χ²/NDF: 2066695.9/28
All: 45.175+/-0.006 χ²/NDF: 4760879.2/59
- 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:27.9/12

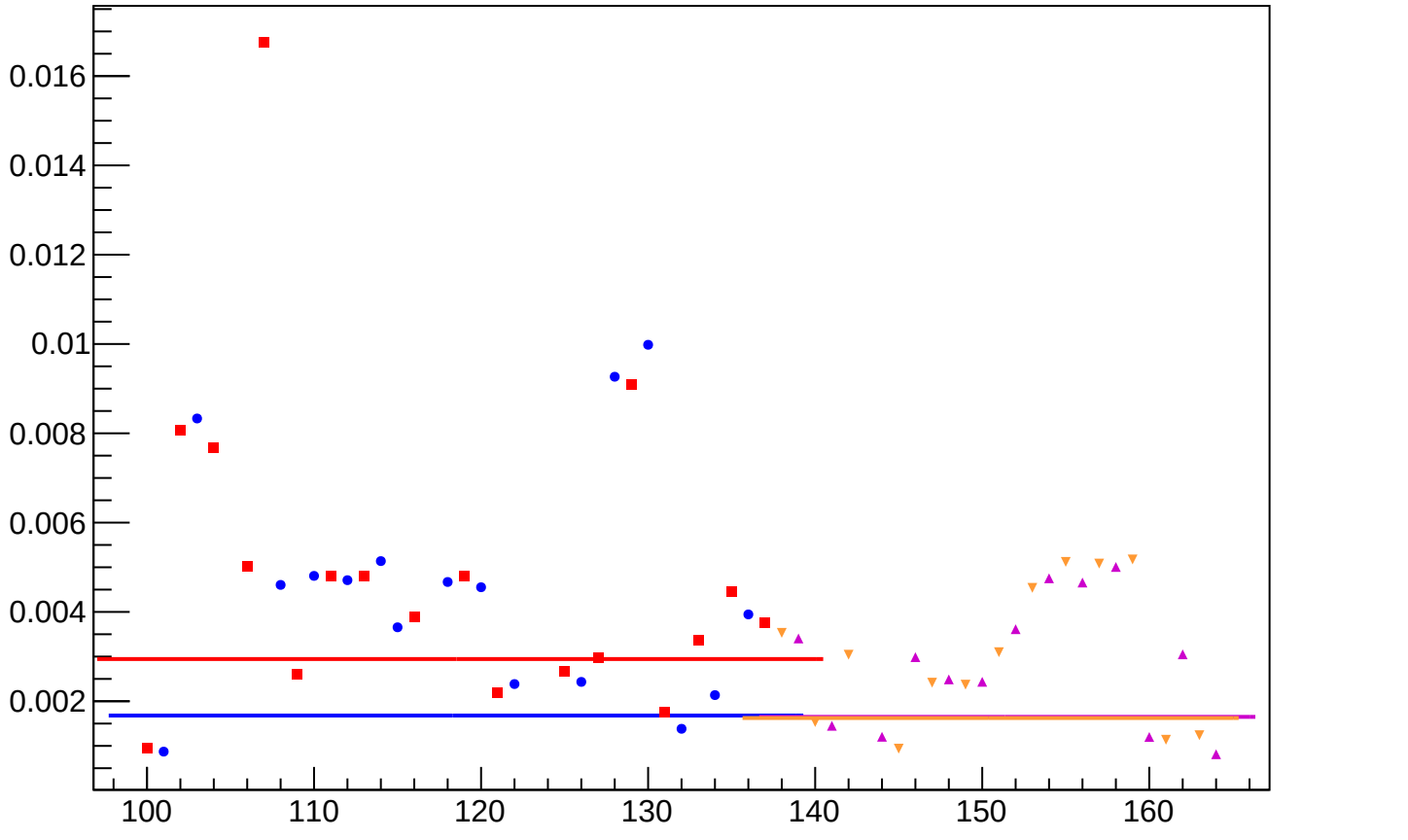
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/28

All: -0.000+/-0.000 χ^2/NDF: 70.1/59

- 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: 0.002+/-0.000 χ^2/NDF:5374980.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

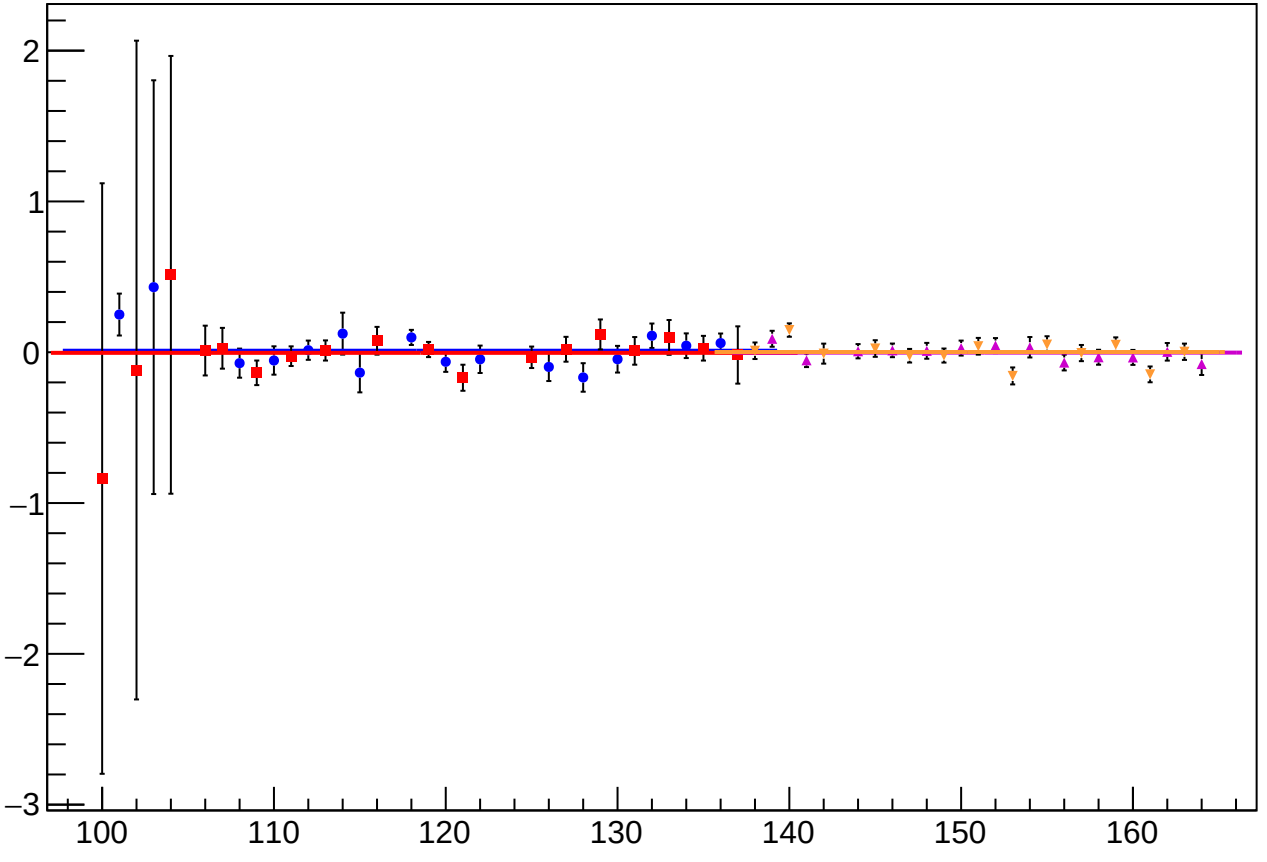
Left In: 0.002+/-0.000 χ^2/NDF:5673644.1/12

+ sign 0.002+/-0.000 χ^2/NDF: 11340998.2/28

All: 0.002+/-0.000 χ^2/NDF: 22257351.4/59

- 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:29.6/12

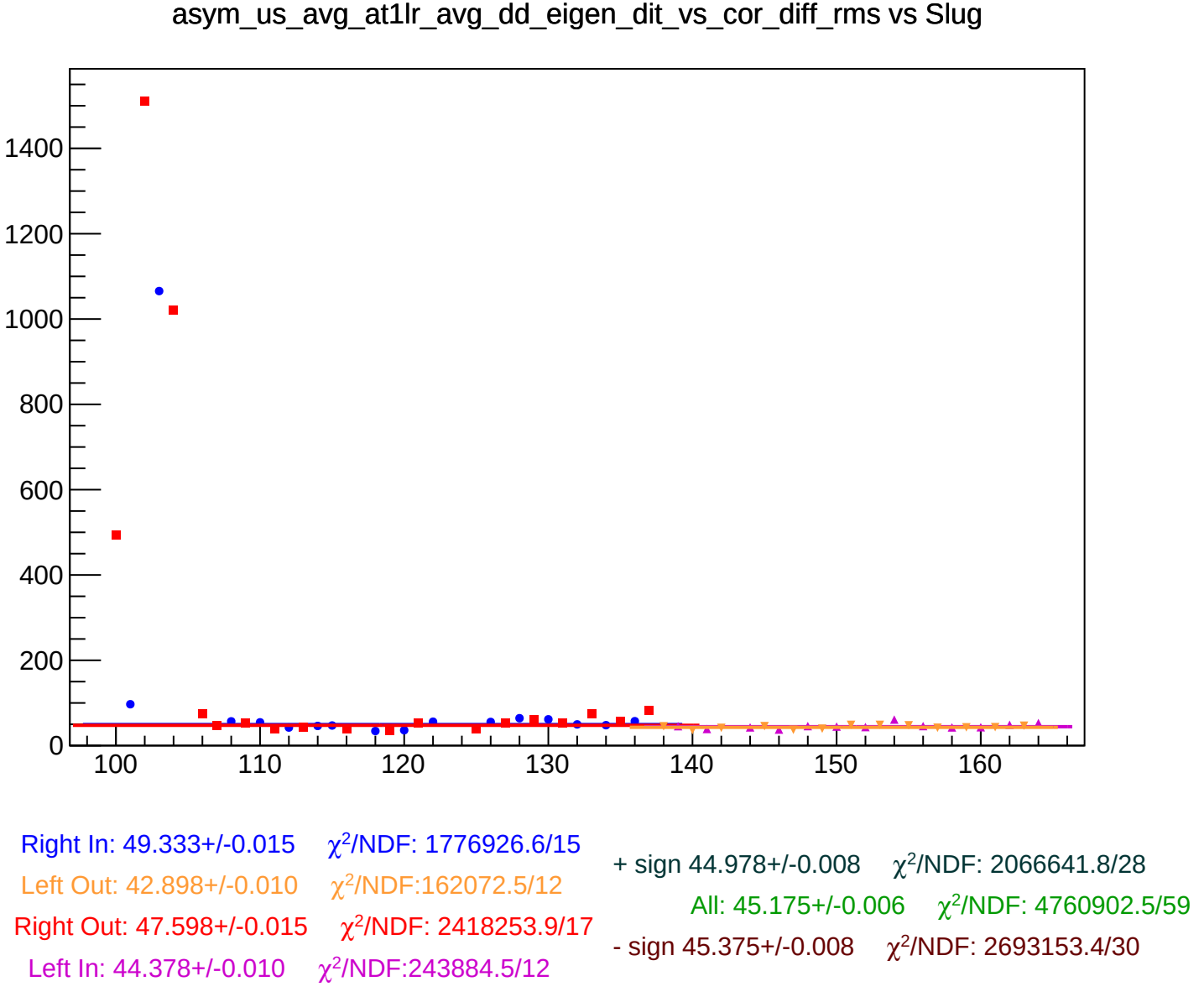
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.001+/-0.008 χ^2/NDF: 68.3/59

- 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
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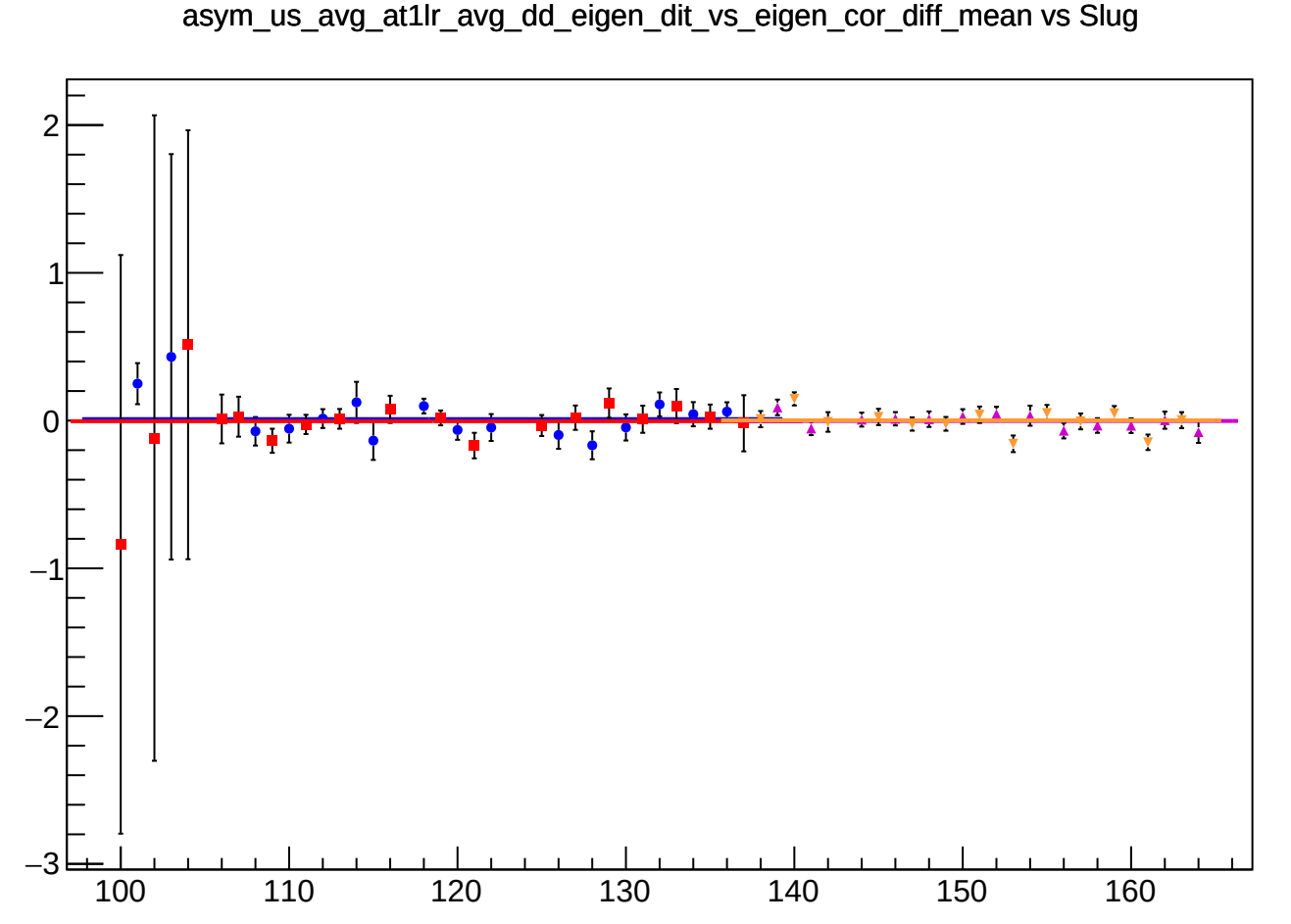
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.898+/-0.010 χ²/NDF:162072.5/12
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.378+/-0.010 χ²/NDF:243884.5/12
+ sign 44.978+/-0.008 χ²/NDF: 2066641.8/28
All: 45.175+/-0.006 χ²/NDF: 4760902.5/59
- sign 45.375+/-0.008 χ²/NDF: 2693153.4/30



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/12

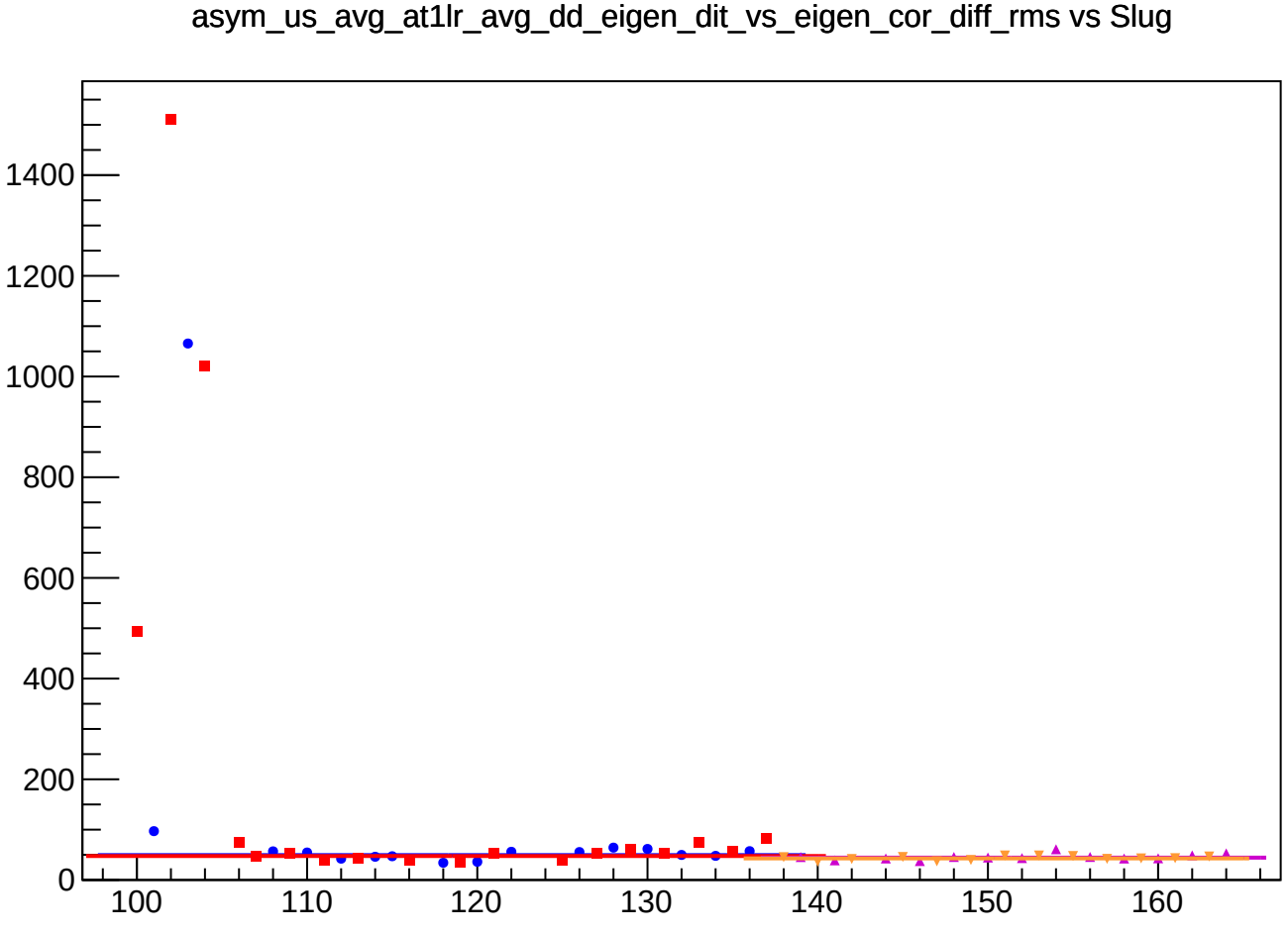
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.001+/-0.008 χ^2/NDF: 68.3/59

- sign -0.003+/-0.012 χ^2/NDF: 20.0/30



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.898+/-0.010 χ^2/NDF:162072.5/12

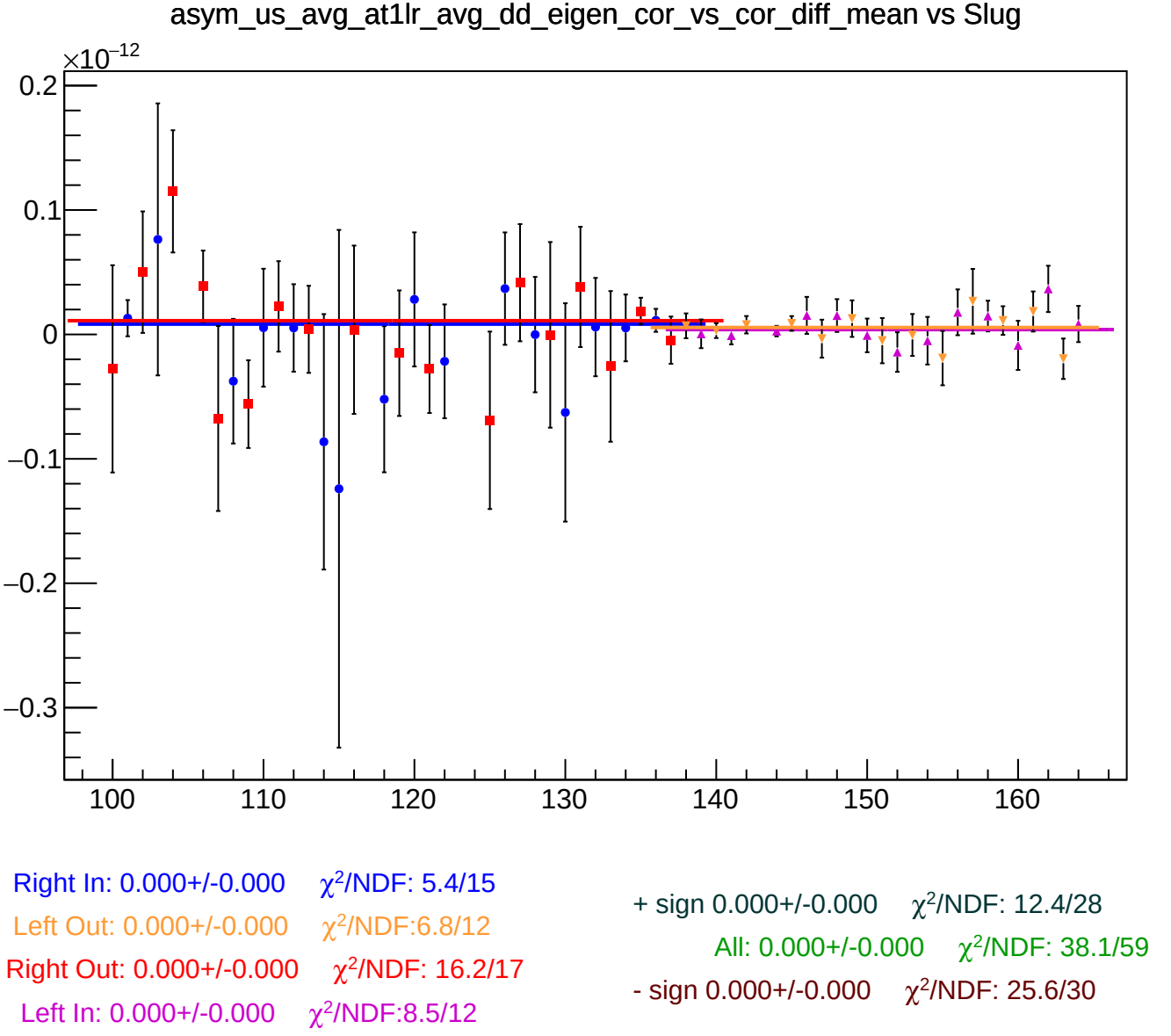
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

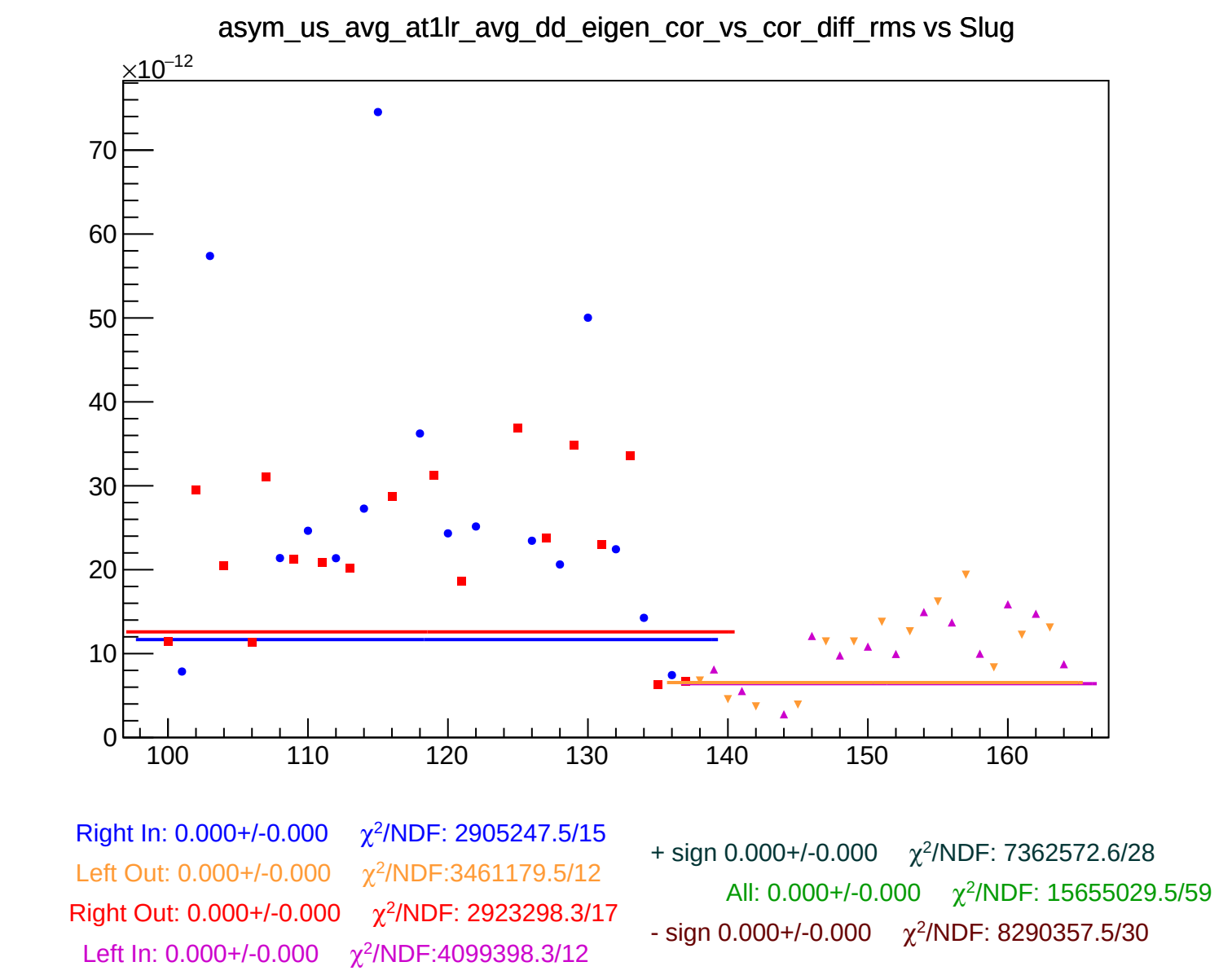
Left In: 44.378+/-0.010 χ^2/NDF:243884.5/12

+ sign 44.978+/-0.008 χ^2/NDF: 2066641.8/28

All: 45.175+/-0.006 χ^2/NDF: 4760902.5/59

- sign 45.375+/-0.008 χ^2/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:6.8/12
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: 12.4/28
All: 0.000+/-0.000 χ²/NDF: 38.1/59
- 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
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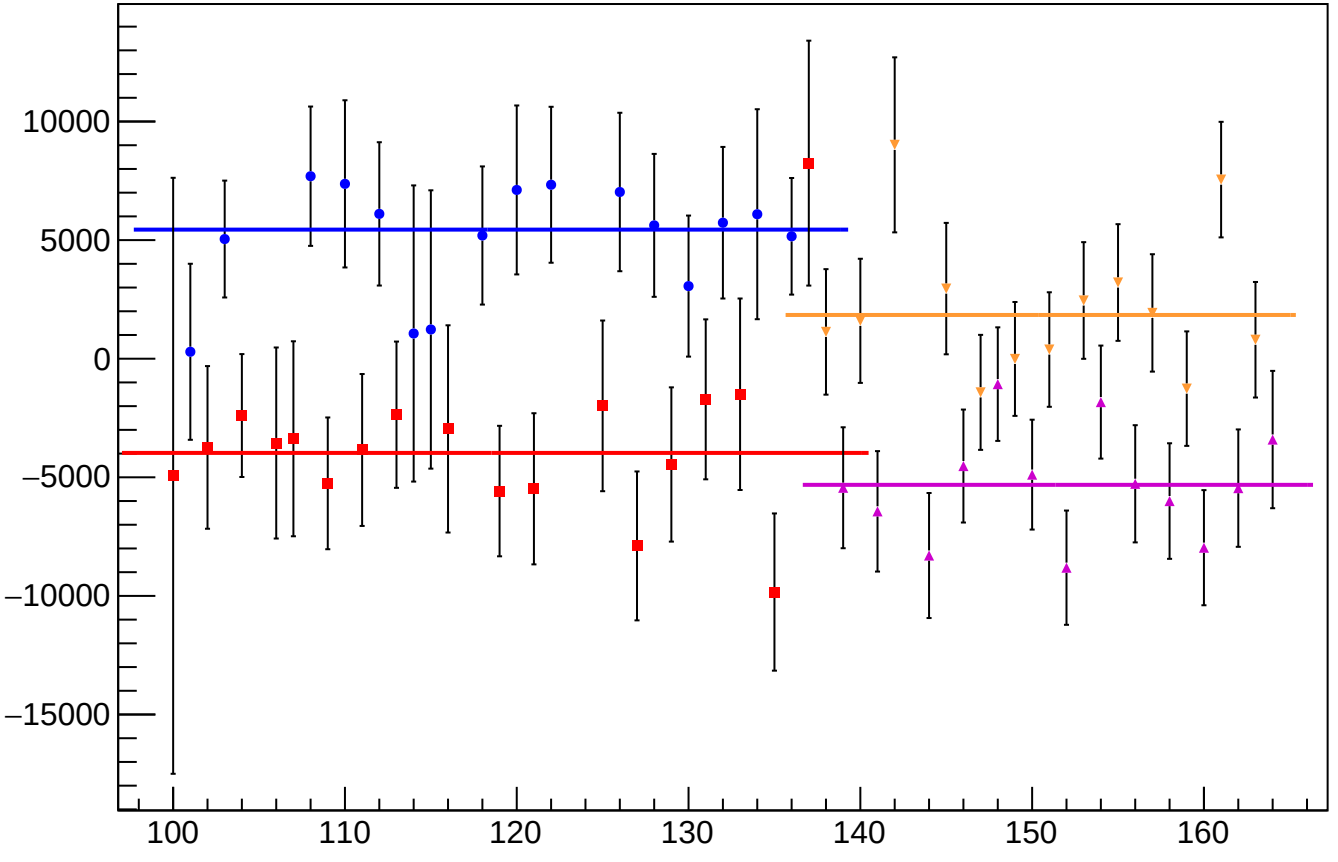
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3461179.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4099398.3/12
+ sign 0.000+/-0.000 χ²/NDF: 7362572.6/28
All: 0.000+/-0.000 χ²/NDF: 15655029.5/59
- sign 0.000+/-0.000 χ²/NDF: 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: 1844.254+/-705.236 χ^2/NDF:14.5/12

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

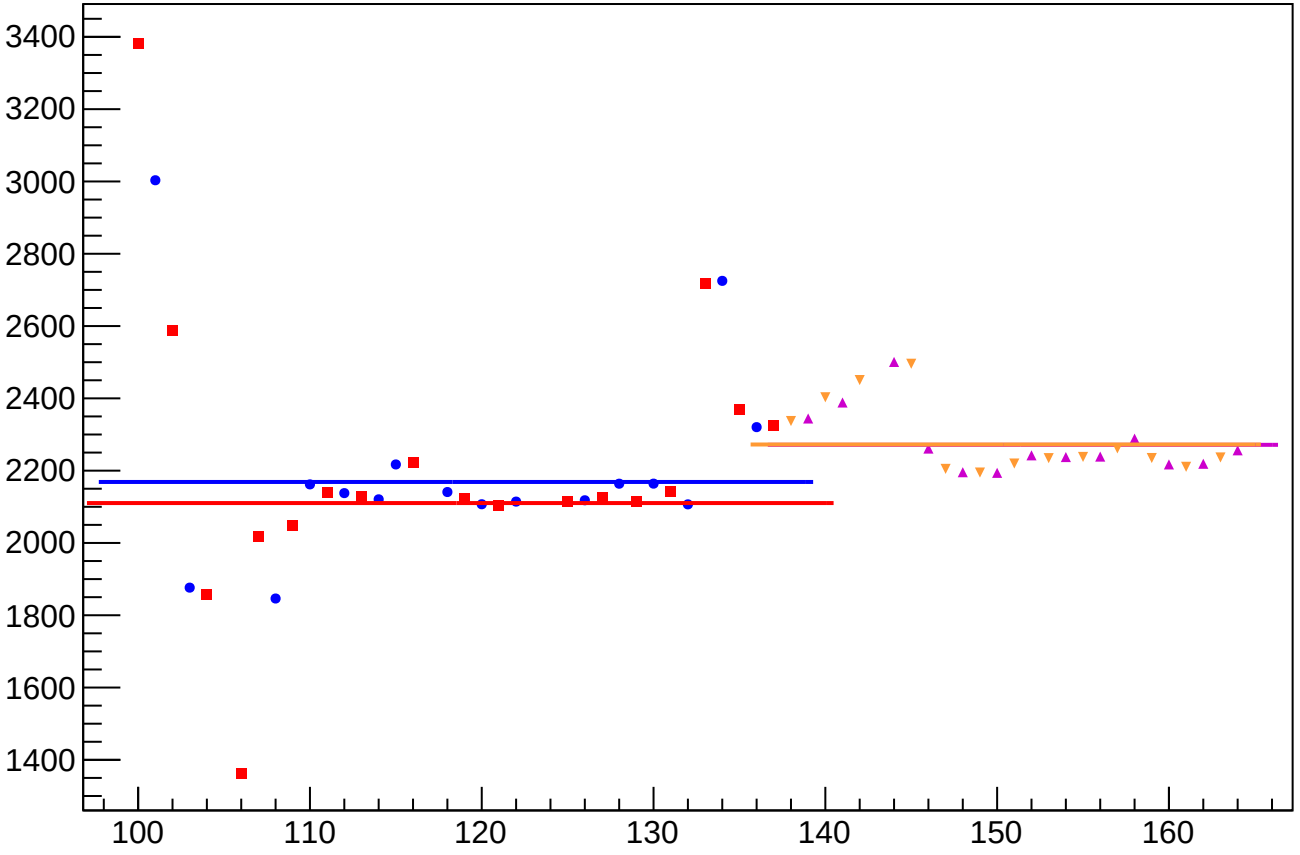
Left In: -5317.866+/-686.260 χ^2/NDF:10.7/12

+ sign 3390.197+/-532.602 χ^2/NDF: 31.0/28

All: -753.634+/-373.288 χ^2/NDF: 175.3/59

- 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: 2272.362+/-0.499 χ^2/NDF:31547.3/12

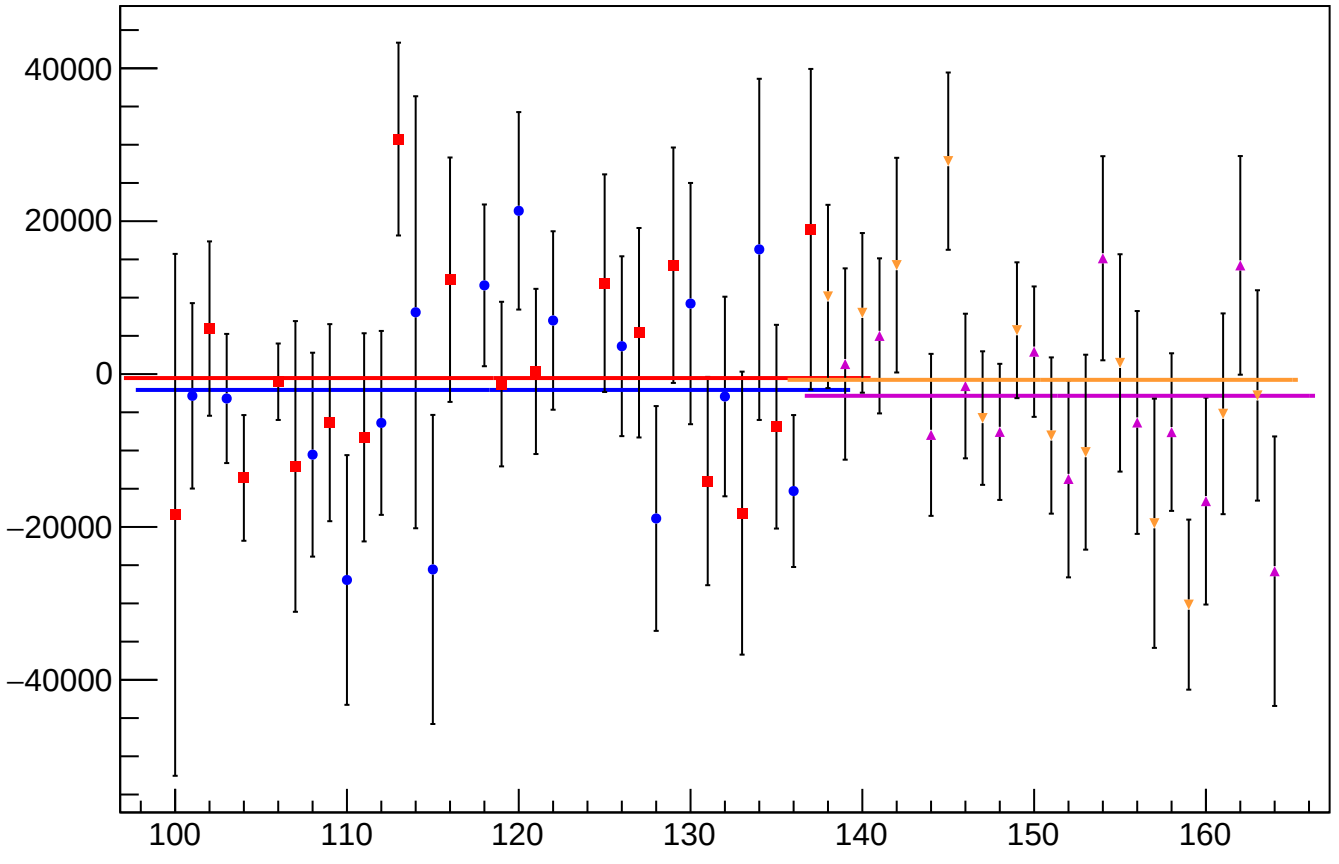
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2227.830+/-0.377 χ^2/NDF: 245767.6/28

All: 2215.000+/-0.263 χ^2/NDF: 590803.1/59

- 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: -754.406+/-3194.139 χ^2/NDF:19.2/12

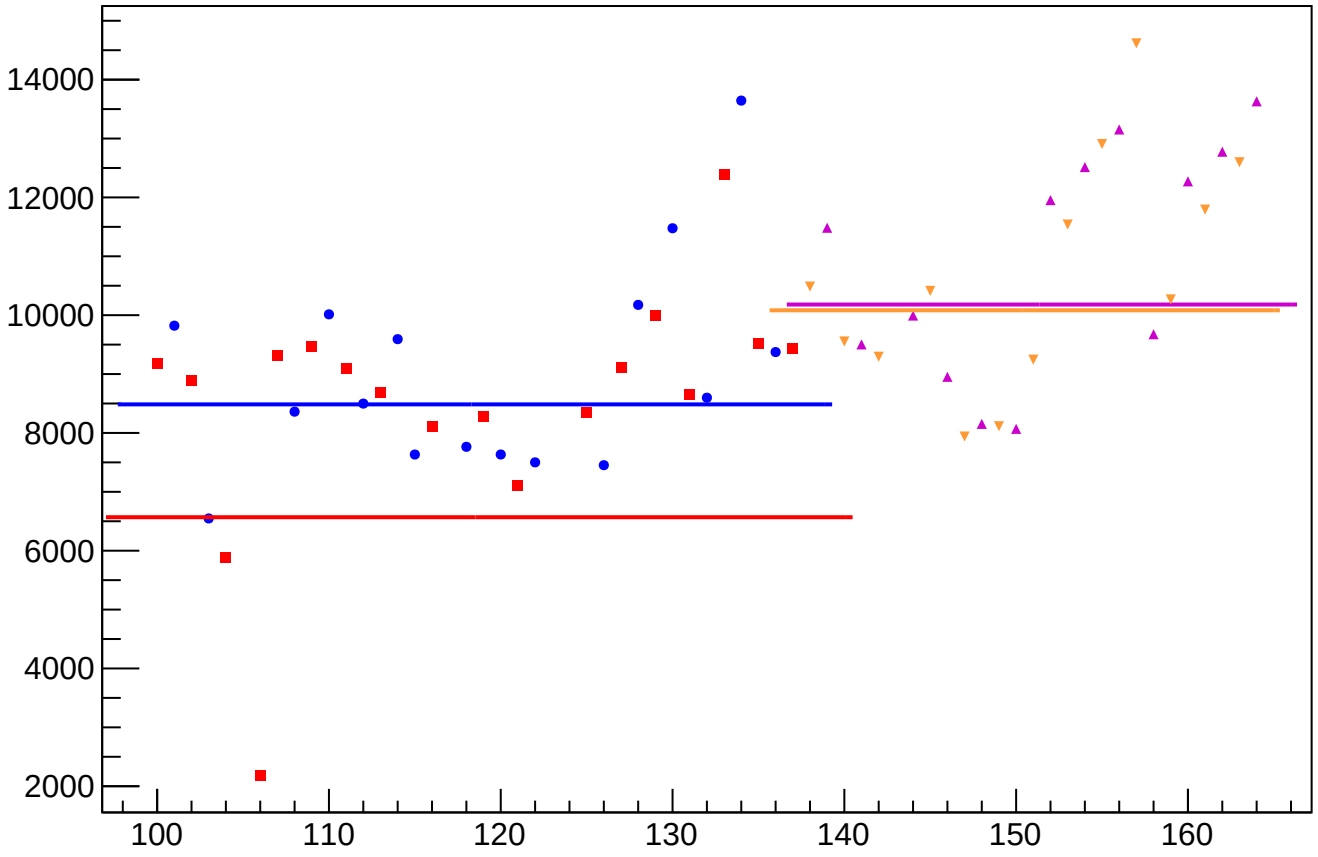
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2841.400+/-3133.066 χ^2/NDF:8.6/12

+ sign -1410.924+/-2264.918 χ^2/NDF: 33.7/28

All: -1468.997+/-1520.722 χ^2/NDF: 58.3/59

- 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: 10082.917+/-2.259 χ^2/NDF:608540.6/12

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

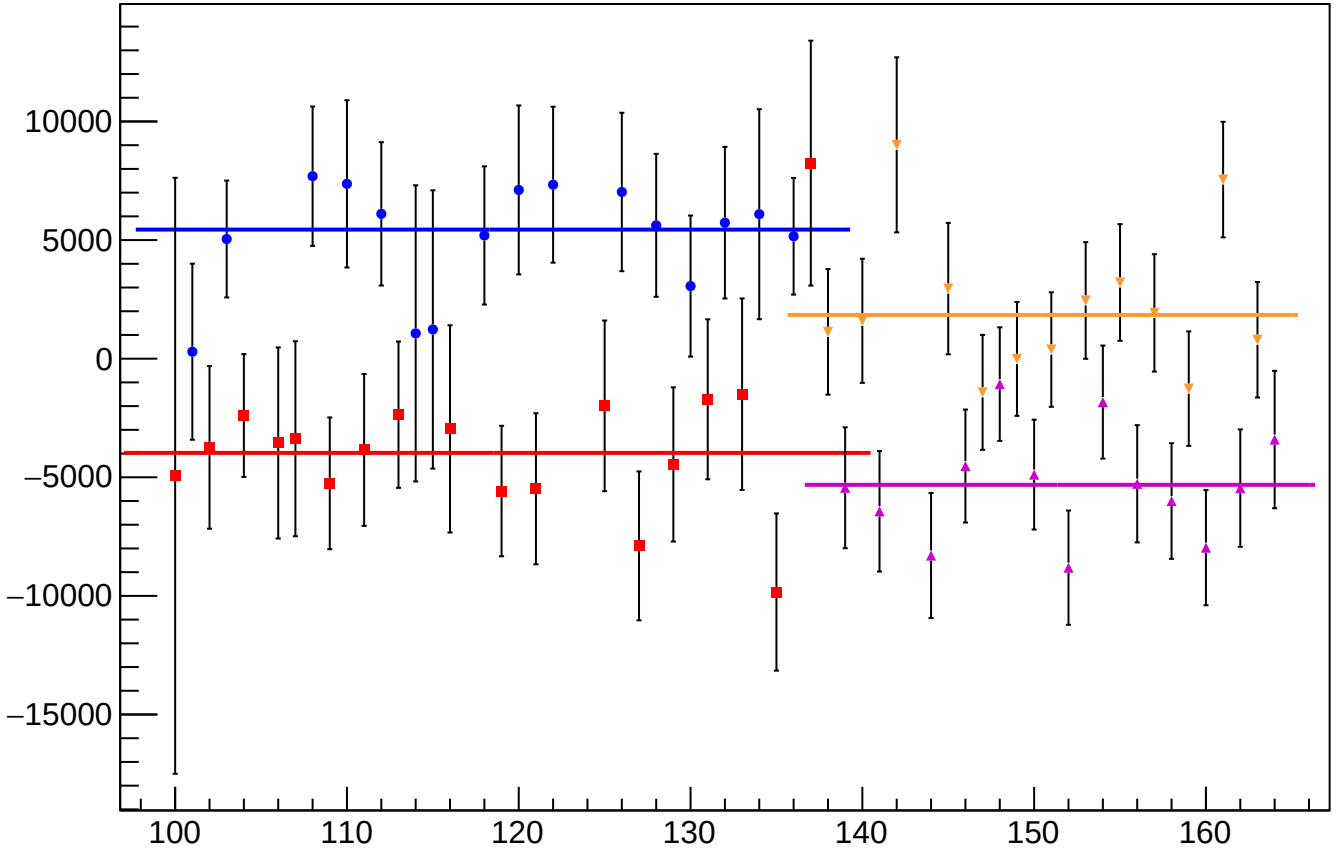
Left In: 10181.080+/-2.215 χ^2/NDF:668524.4/12

+ sign 9288.437+/-1.602 χ^2/NDF: 1280109.5/28

All: 8645.838+/-1.075 χ^2/NDF: 6328853.5/59

- 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: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

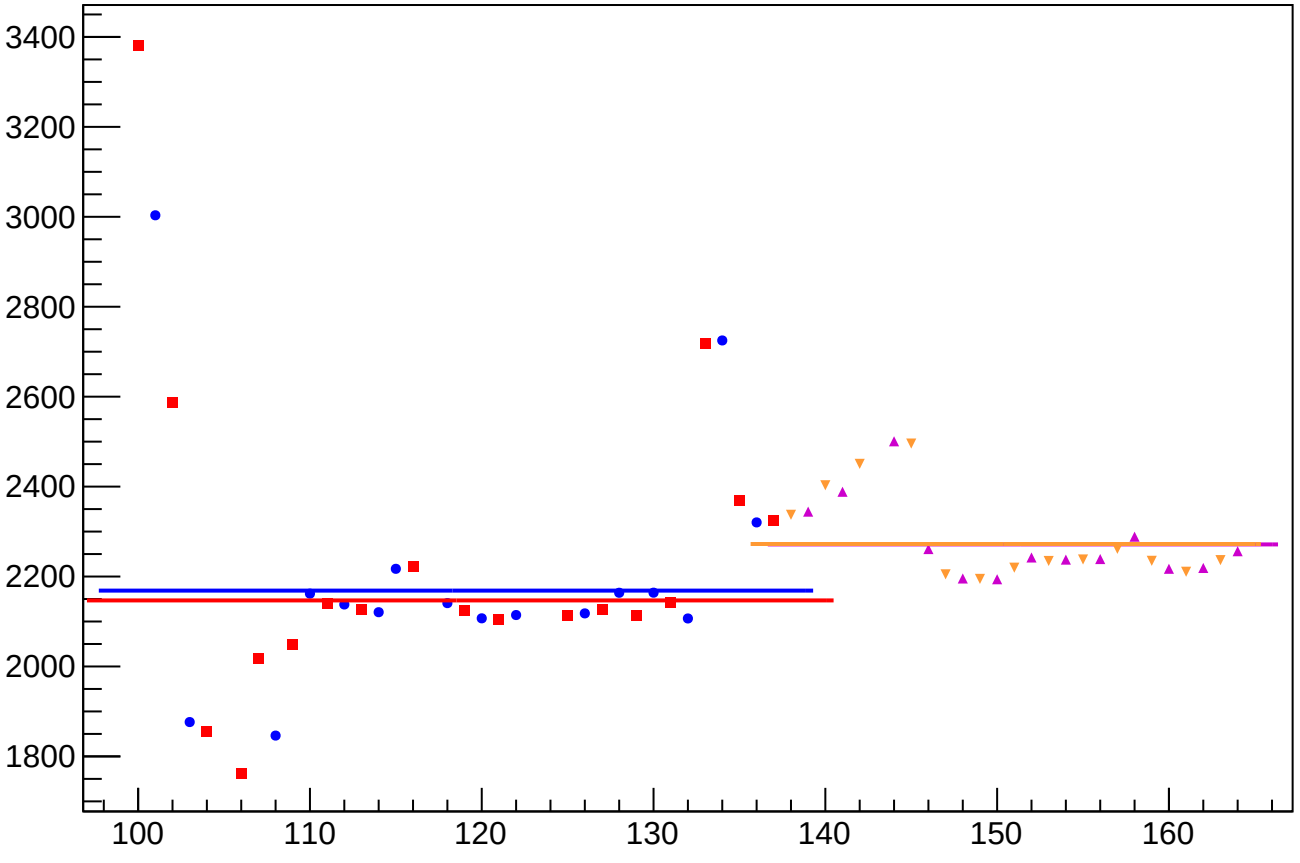
Left In: -5317.999+/-686.260 χ^2/NDF:10.7/12

+ sign 3390.173+/-532.602 χ^2/NDF: 31.0/28

All: -753.630+/-373.288 χ^2/NDF: 175.3/59

- 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: 2272.362+/-0.499 χ^2/NDF:31547.3/12

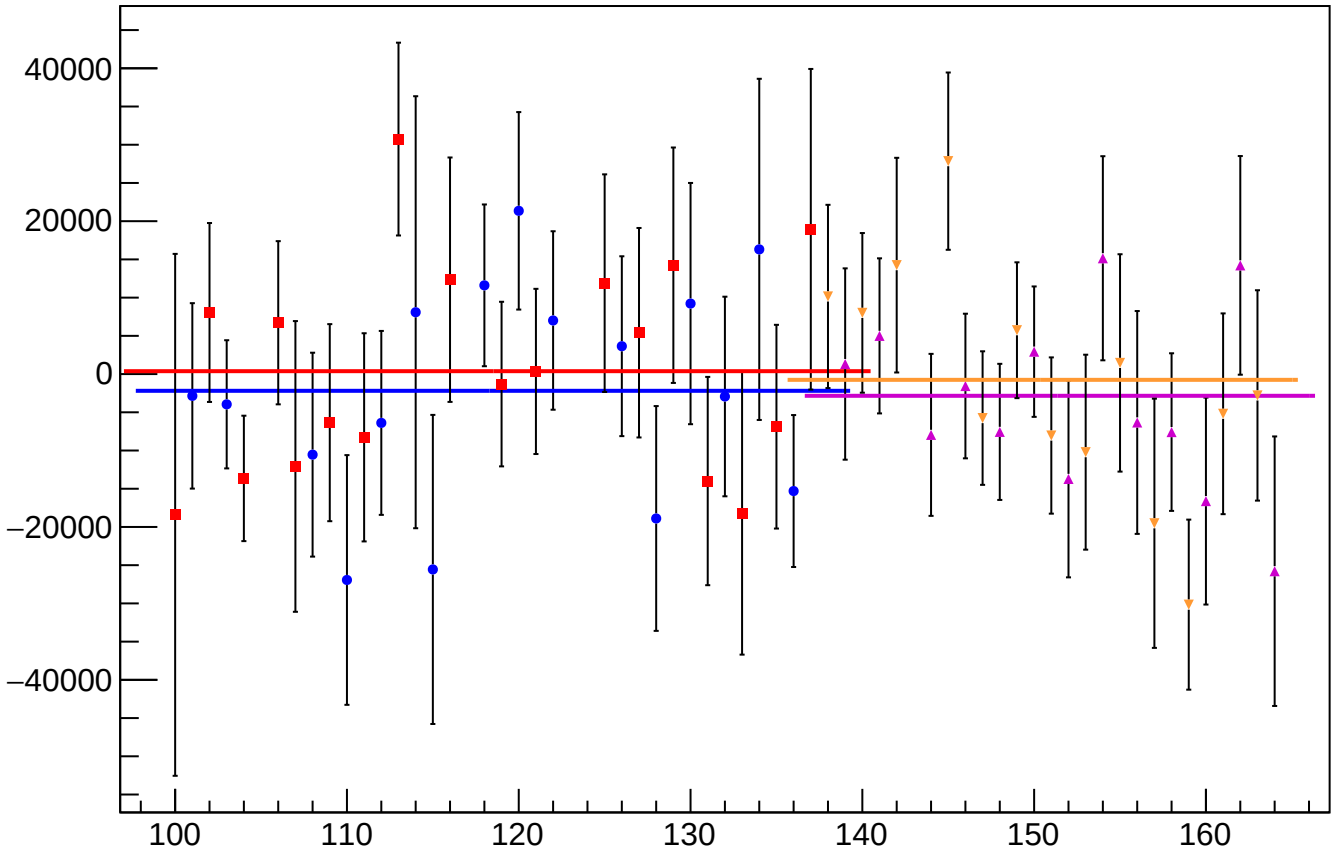
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2227.830+/-0.377 χ^2/NDF: 245768.0/28

All: 2223.337+/-0.264 χ^2/NDF: 459915.2/59

- 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: -754.459+/-3194.137 χ^2/NDF:19.2/12

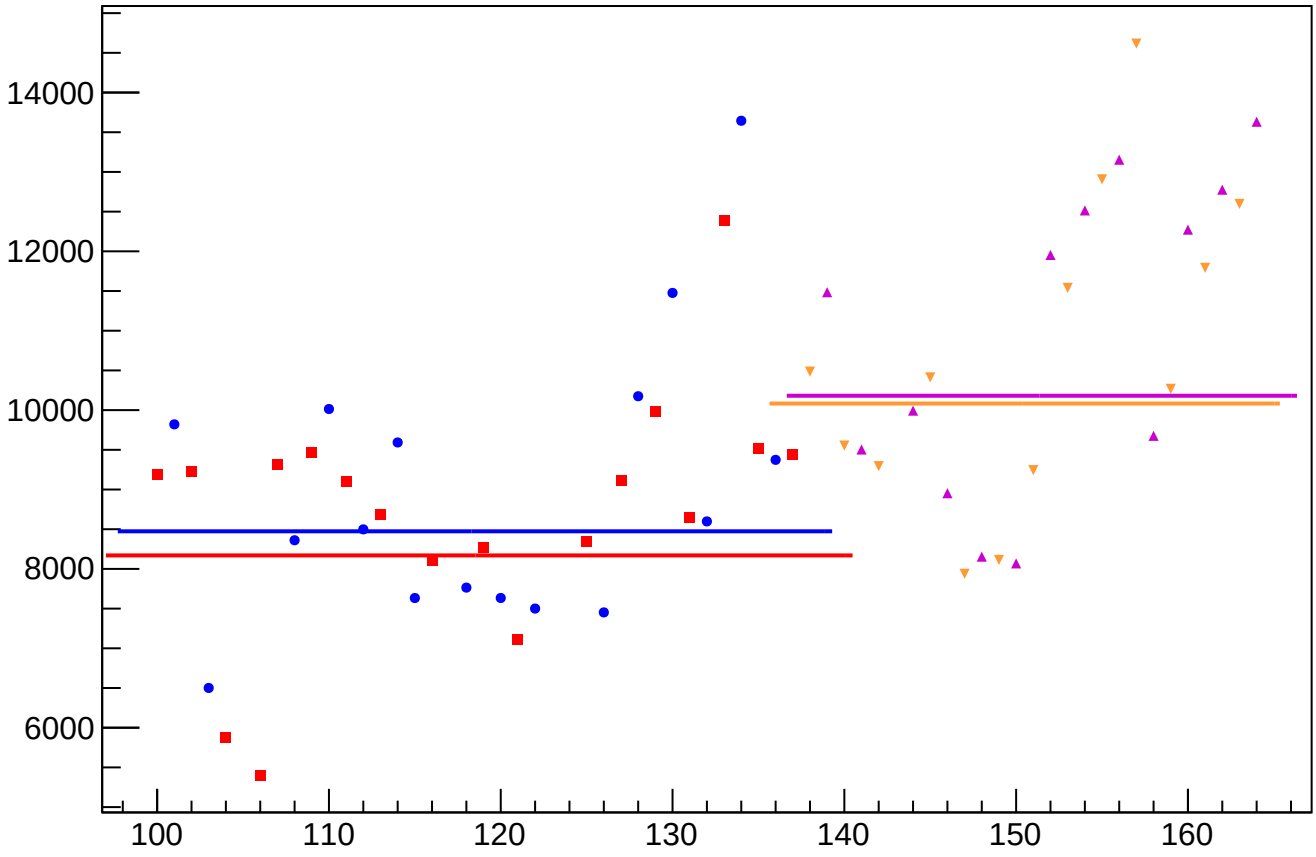
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2841.620+/-3133.065 χ^2/NDF:8.6/12

+ sign -1468.634+/-2263.665 χ^2/NDF: 33.7/28

All: -1337.937+/-1578.993 χ^2/NDF: 59.2/59

- 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: 10082.910+/-2.259 χ^2/NDF:608543.9/12

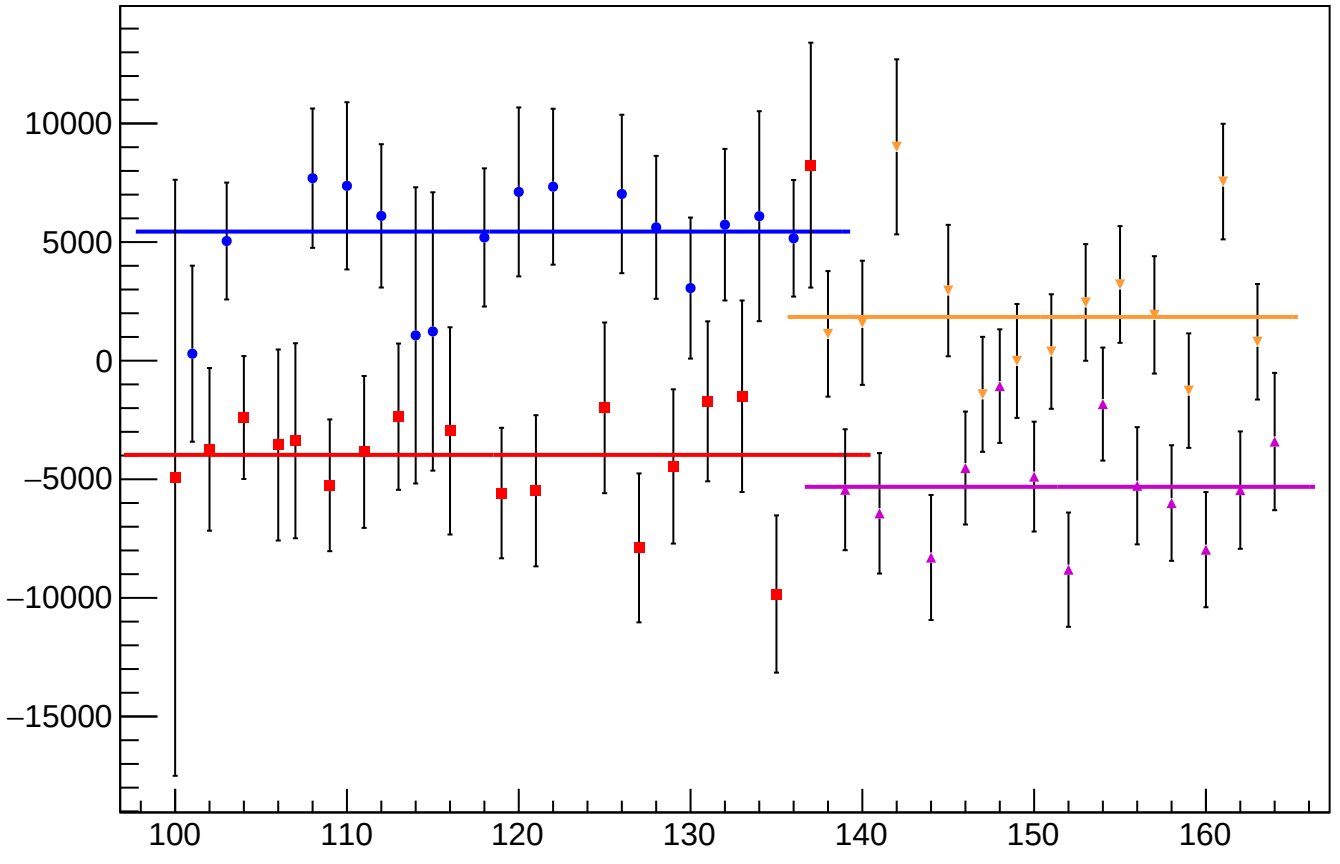
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

+ sign 9281.942+/-1.601 χ^2/NDF: 1290752.7/28

All: 9221.832+/-1.117 χ^2/NDF: 2918340.4/59

- 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: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

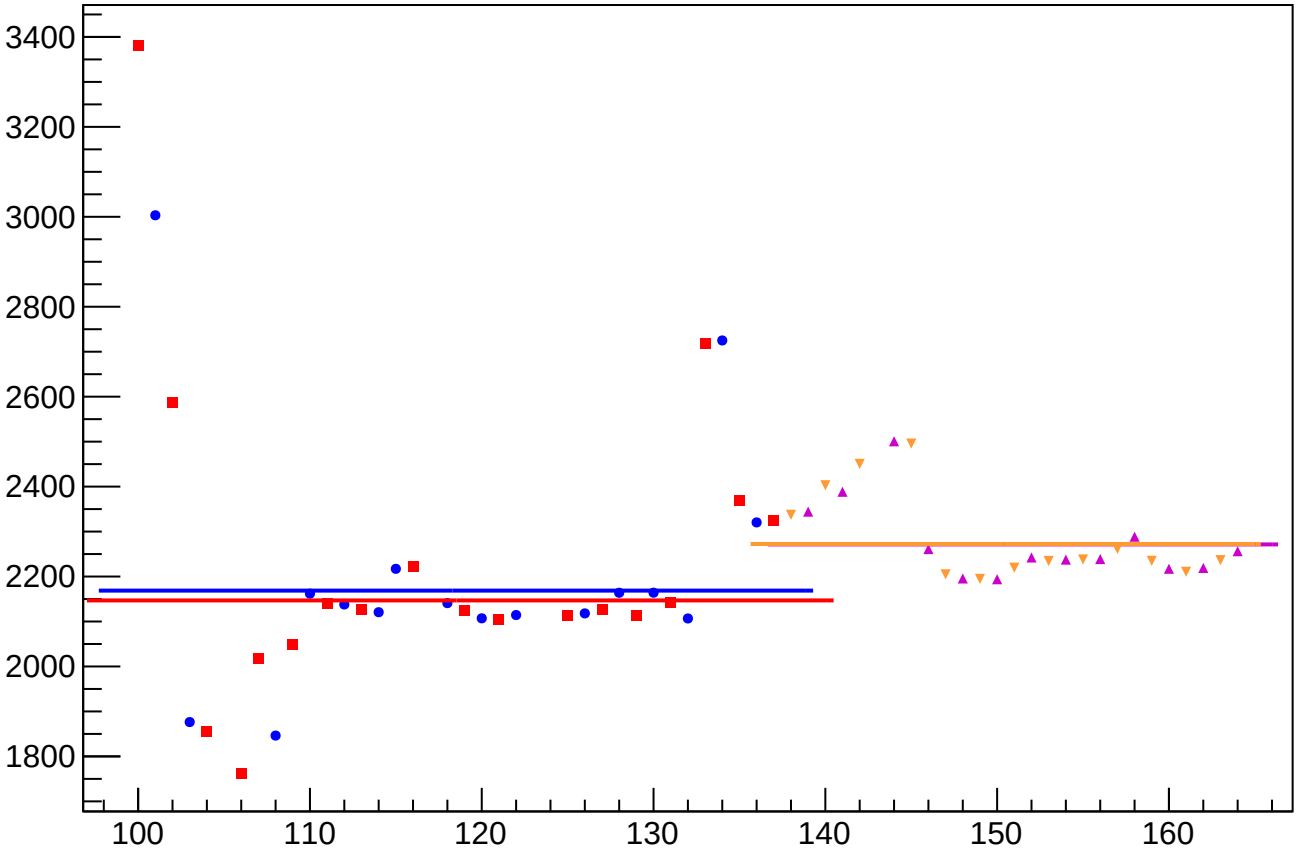
Left In: -5317.999+/-686.260 χ^2/NDF:10.7/12

+ sign 3390.173+/-532.602 χ^2/NDF: 31.0/28

All: -753.630+/-373.288 χ^2/NDF: 175.3/59

- 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: 2272.362+/-0.499 χ^2/NDF:31547.3/12

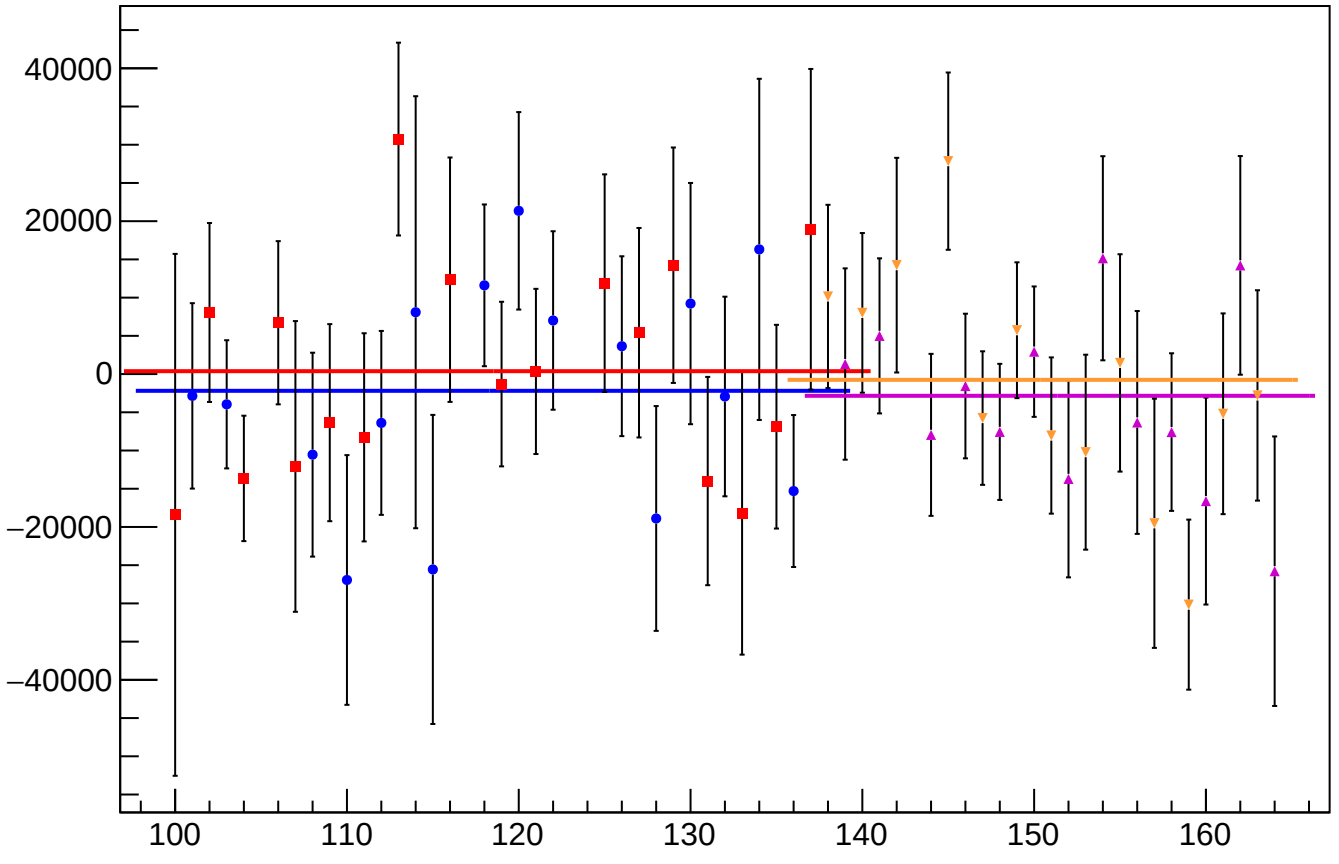
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2227.830+/-0.377 χ^2/NDF: 245768.0/28

All: 2223.337+/-0.264 χ^2/NDF: 459915.2/59

- 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: -754.459+/-3194.137 χ^2/NDF:19.2/12

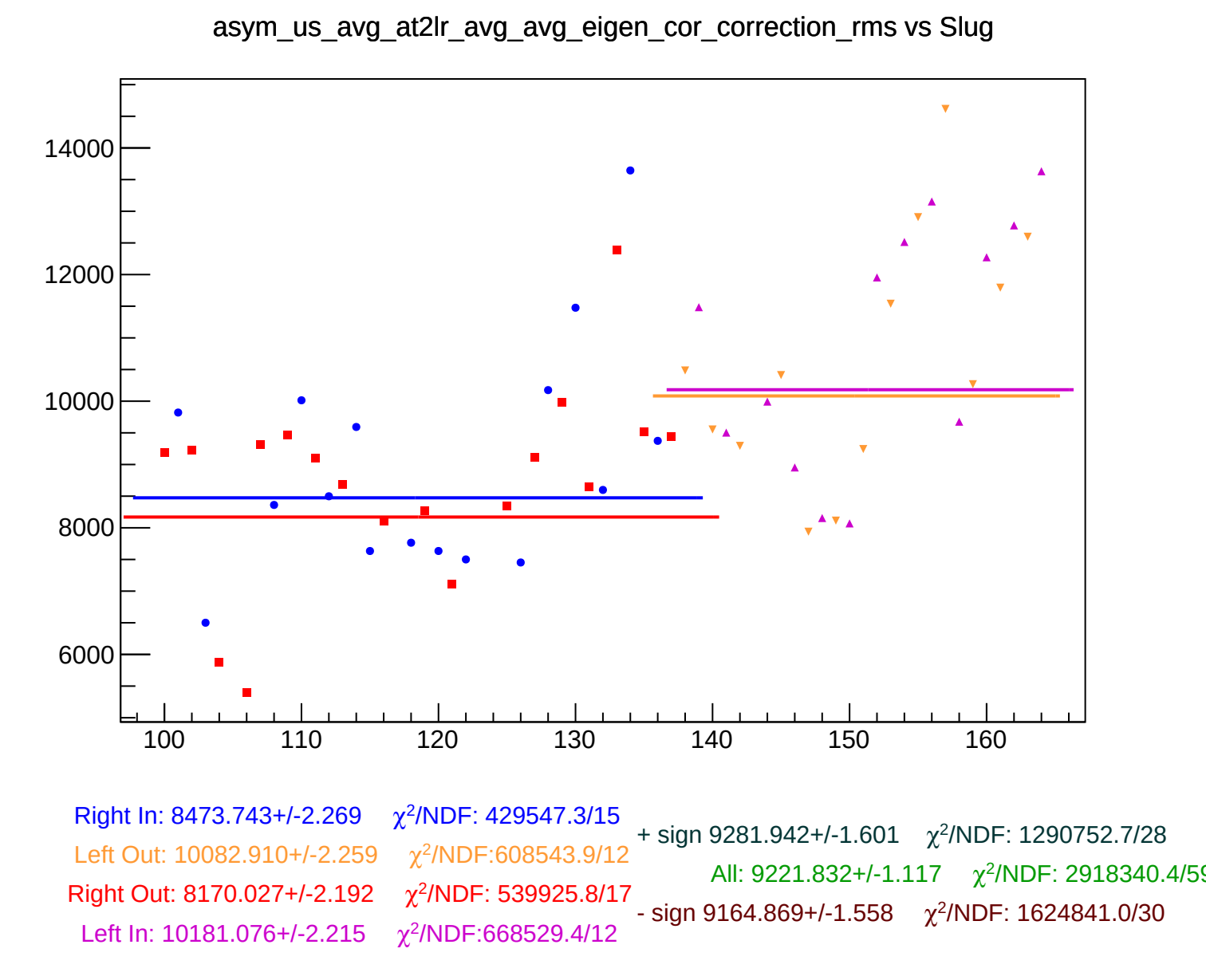
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

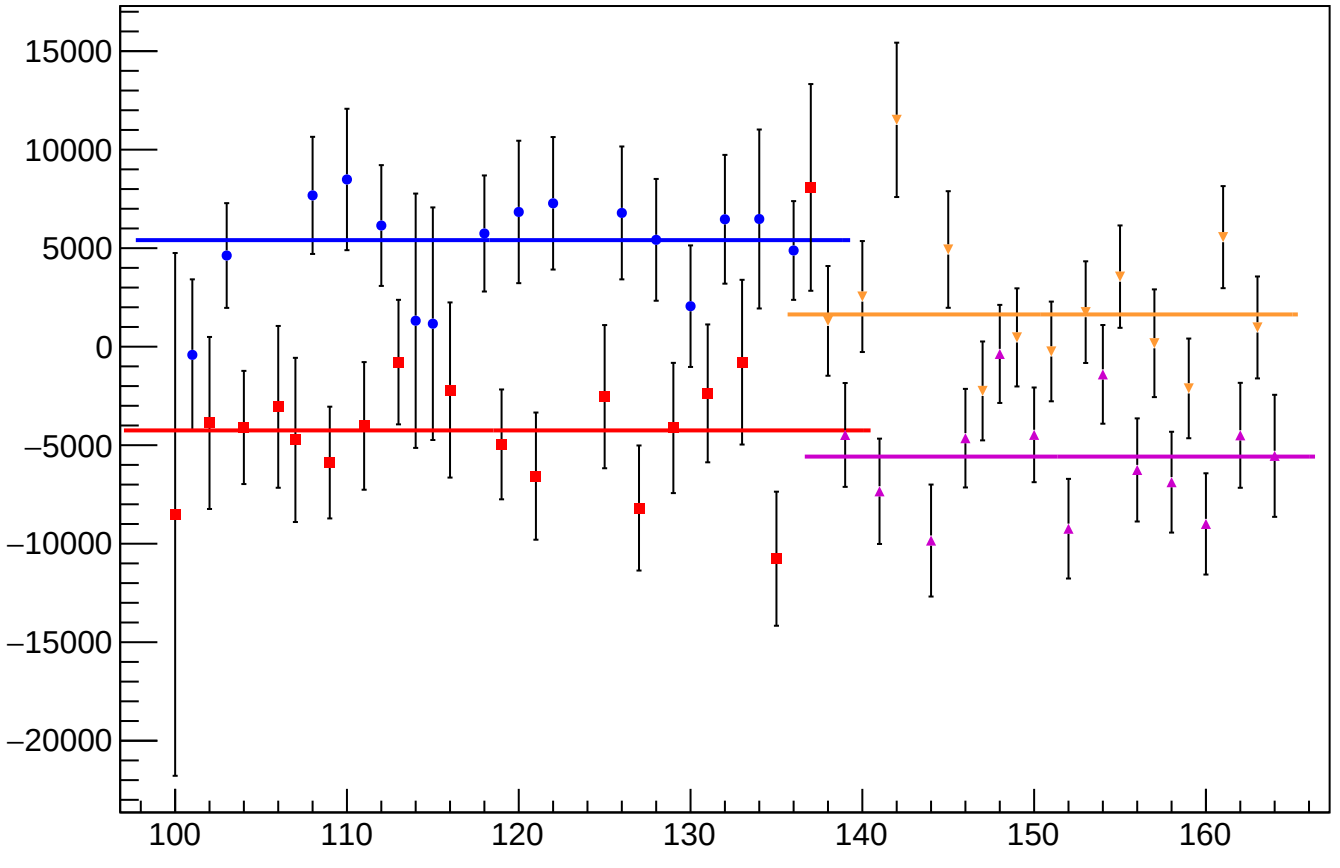
Left In: -2841.620+/-3133.065 χ^2/NDF:8.6/12

+ sign -1468.634+/-2263.665 χ^2/NDF: 33.7/28

All: -1337.937+/-1578.993 χ^2/NDF: 59.2/59

- sign -1214.082+/-2203.611 χ^2/NDF: 25.5/30


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10082.910+/-2.259 χ²/NDF:608543.9/12
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10181.076+/-2.215 χ²/NDF:668529.4/12
+ sign 9281.942+/-1.601 χ²/NDF: 1290752.7/28
All: 9221.832+/-1.117 χ²/NDF: 2918340.4/59
- sign 9164.869+/-1.558 χ²/NDF: 1624841.0/30



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1636.596+/-745.900 χ^2/NDF:16.3/12

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

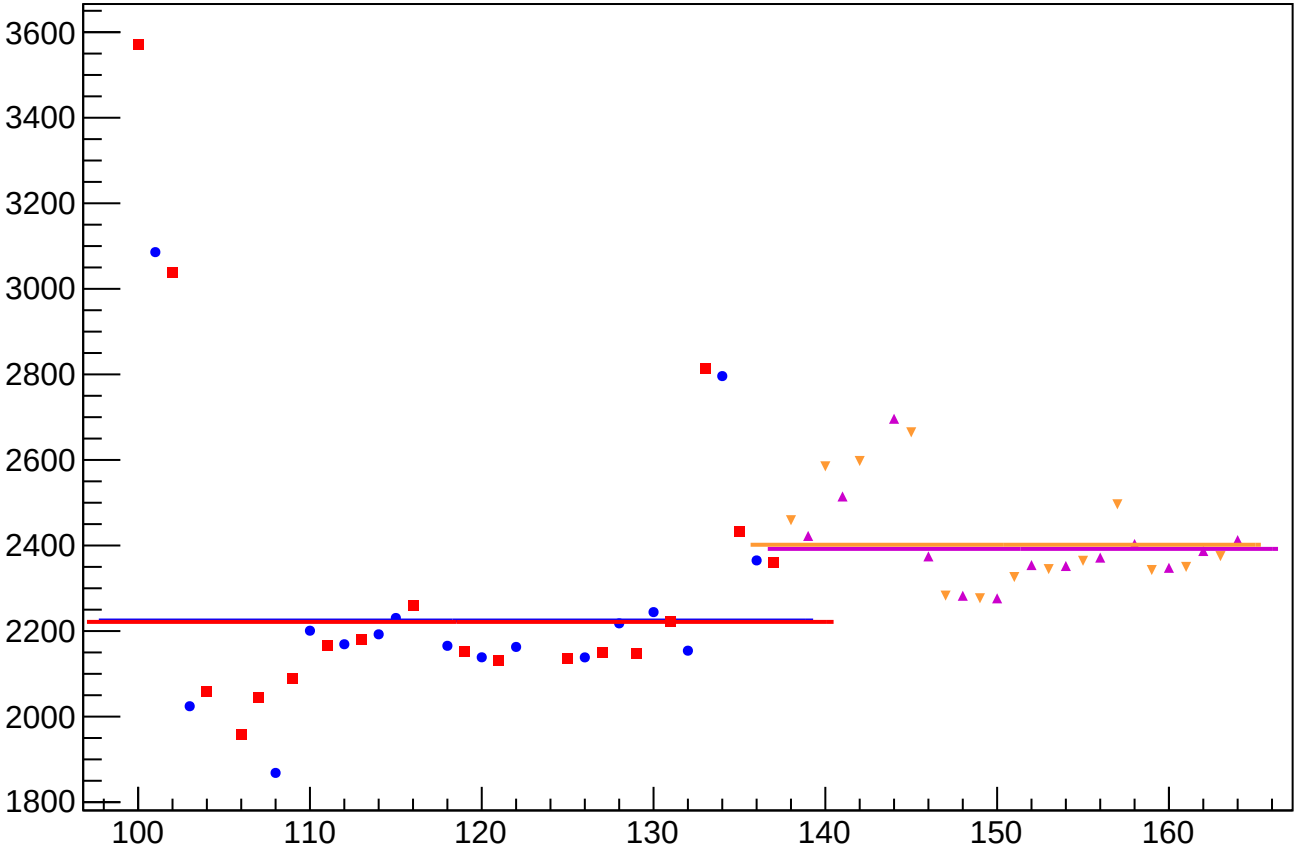
Left In: -5578.482+/-722.992 χ^2/NDF:14.7/12

+ sign 3313.280+/-555.886 χ^2/NDF: 34.4/28

All: -910.749+/-390.176 χ^2/NDF: 178.8/59

- 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: 2401.761+/-0.527 χ^2/NDF:47299.7/12

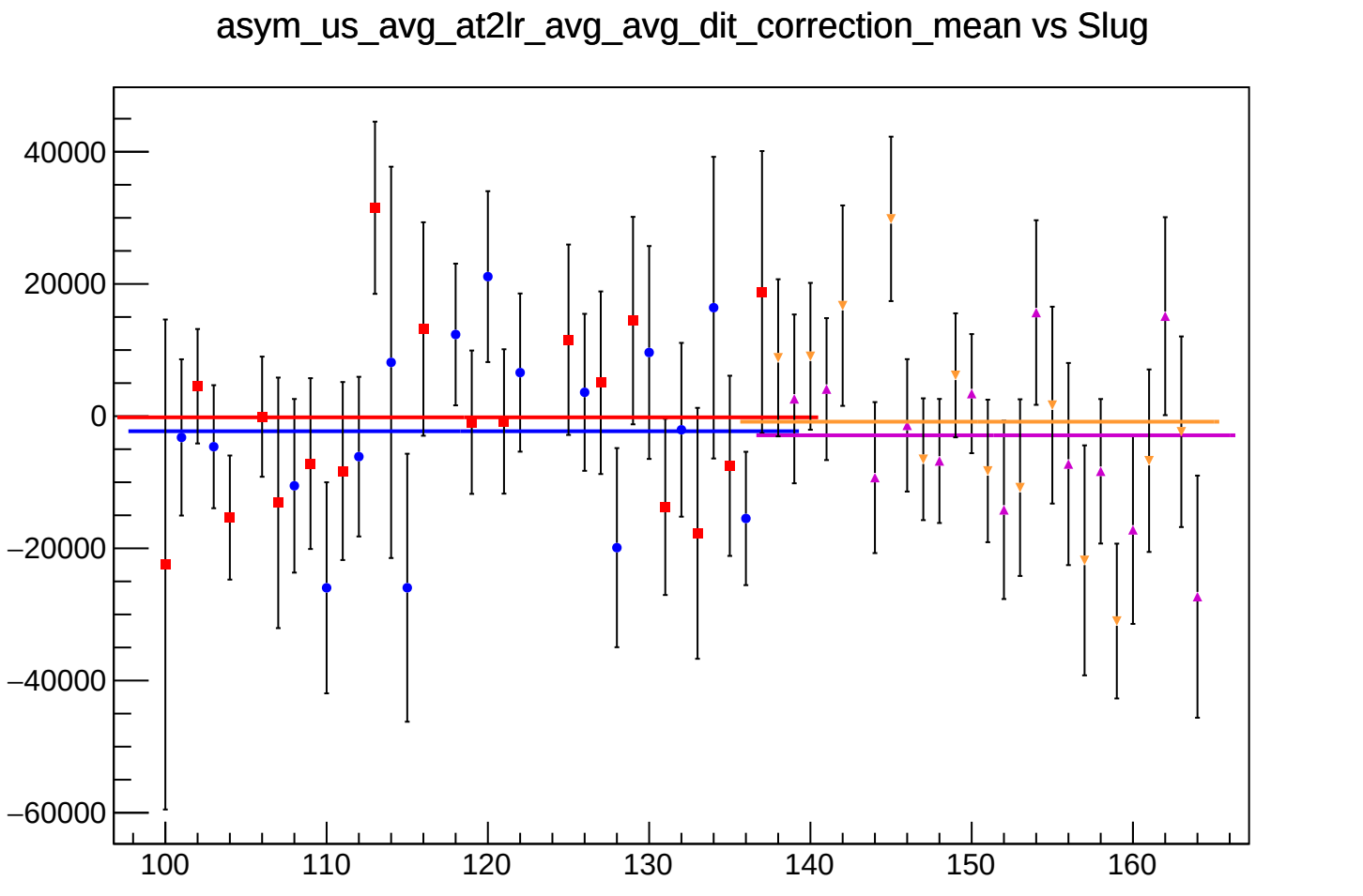
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.088+/-0.511 χ^2/NDF:37785.9/12

+ sign 2323.002+/-0.393 χ^2/NDF: 282133.0/28

All: 2321.146+/-0.276 χ^2/NDF: 537407.8/59

- 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: -838.923+/-3361.203 χ^2/NDF:19.2/12

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

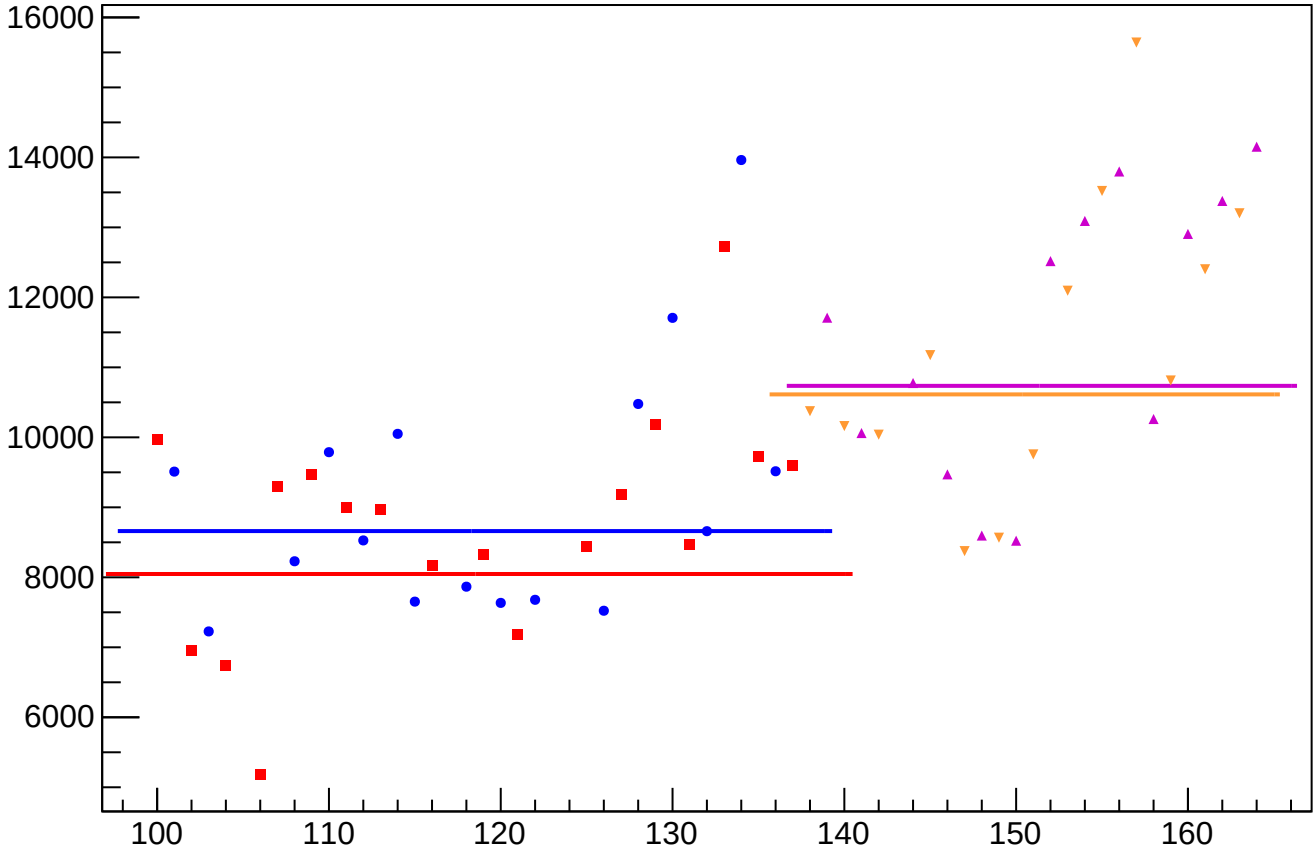
Left In: -2897.368+/-3301.017 χ^2/NDF:8.6/12

+ sign -1578.092+/-2344.463 χ^2/NDF: 33.7/28

All: -1496.997+/-1617.449 χ^2/NDF: 58.4/59

- 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: 10613.702+/-2.377 χ^2/NDF:603528.6/12

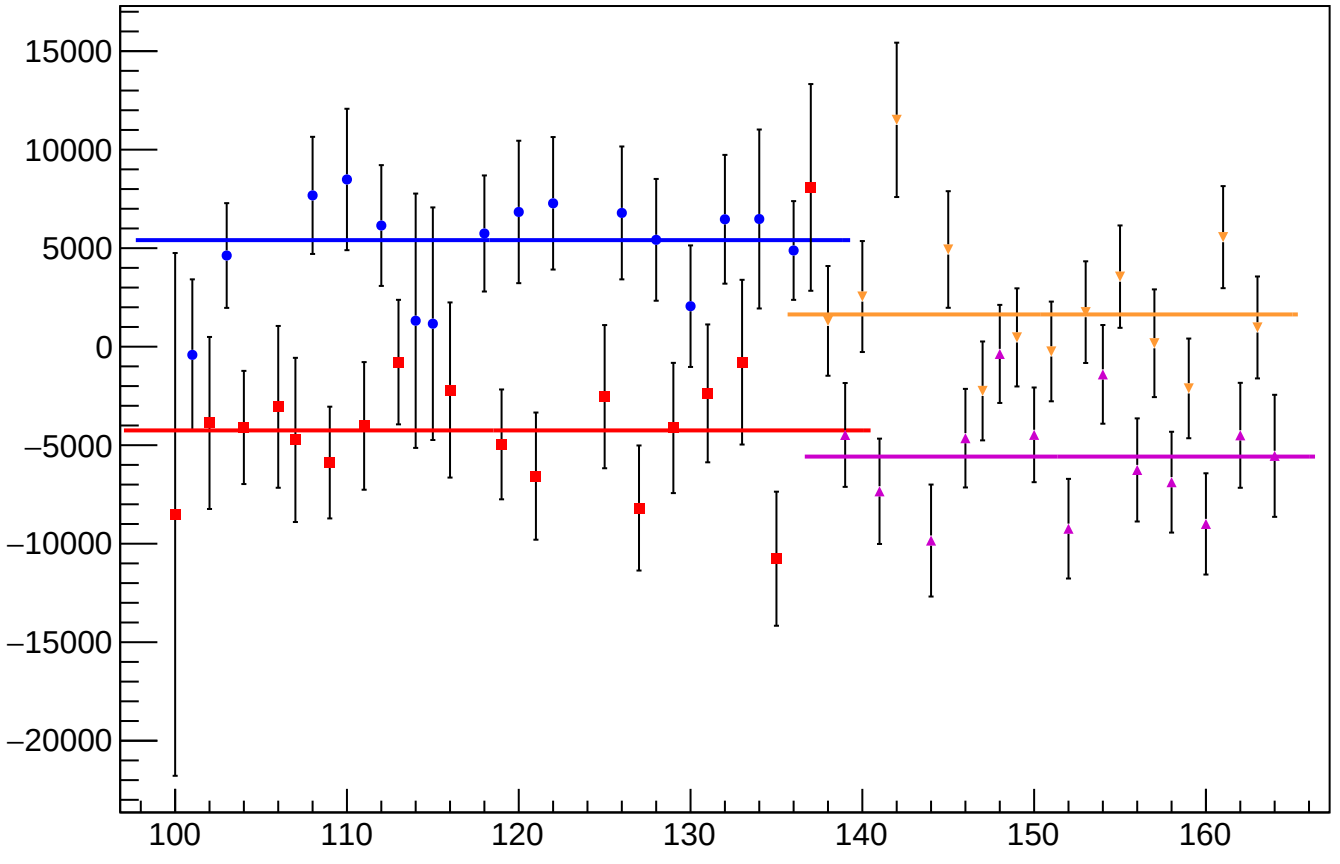
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10735.807+/-2.334 χ^2/NDF:630316.8/12

+ sign 9610.884+/-1.658 χ^2/NDF: 1308193.8/28

All: 9437.027+/-1.144 χ^2/NDF: 3236822.1/59

- 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: 1636.577+/-745.901 χ^2/NDF:16.3/12

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

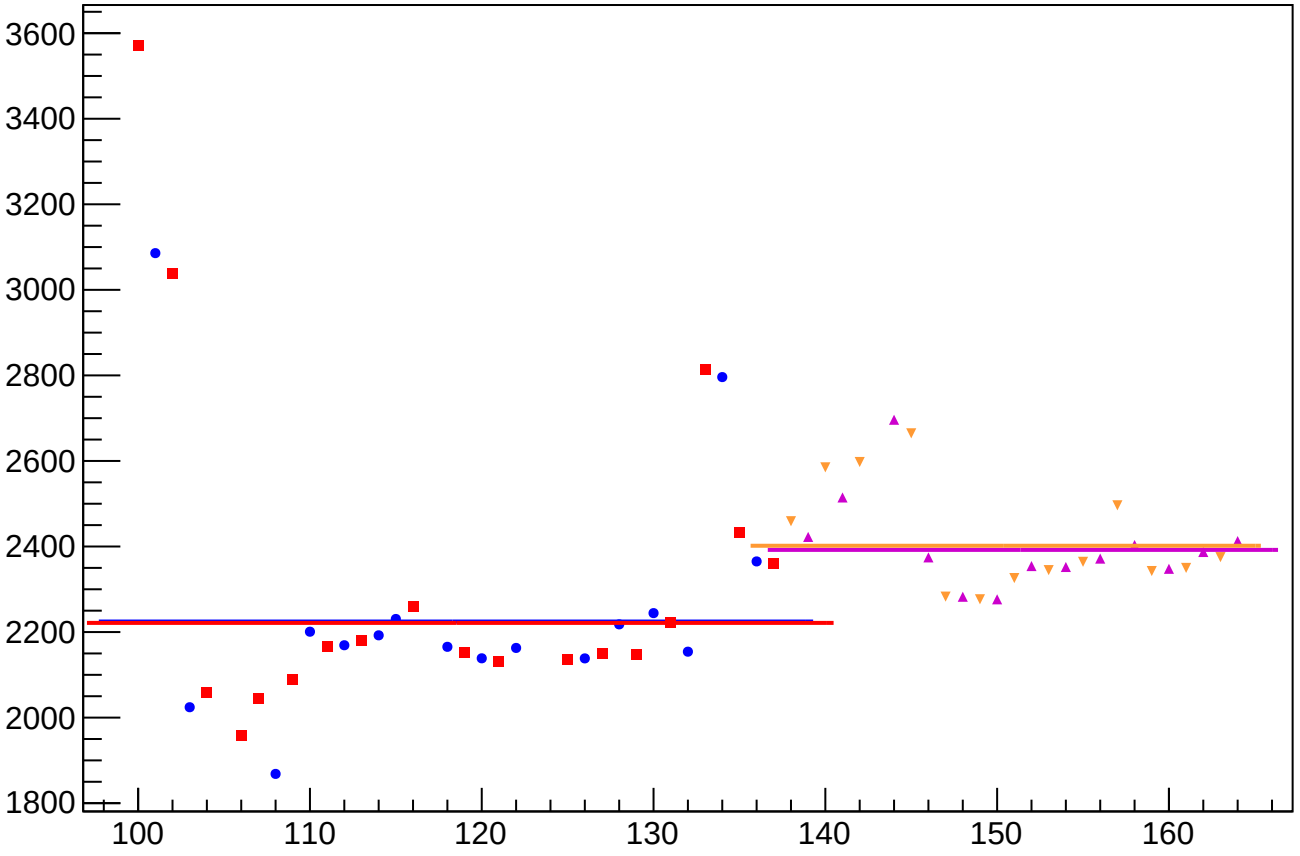
Left In: -5578.486+/-722.993 χ^2/NDF:14.7/12

+ sign 3313.274+/-555.886 χ^2/NDF: 34.4/28

All: -910.753+/-390.176 χ^2/NDF: 178.8/59

- 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: 2401.765+/-0.527 χ^2/NDF:47300.3/12

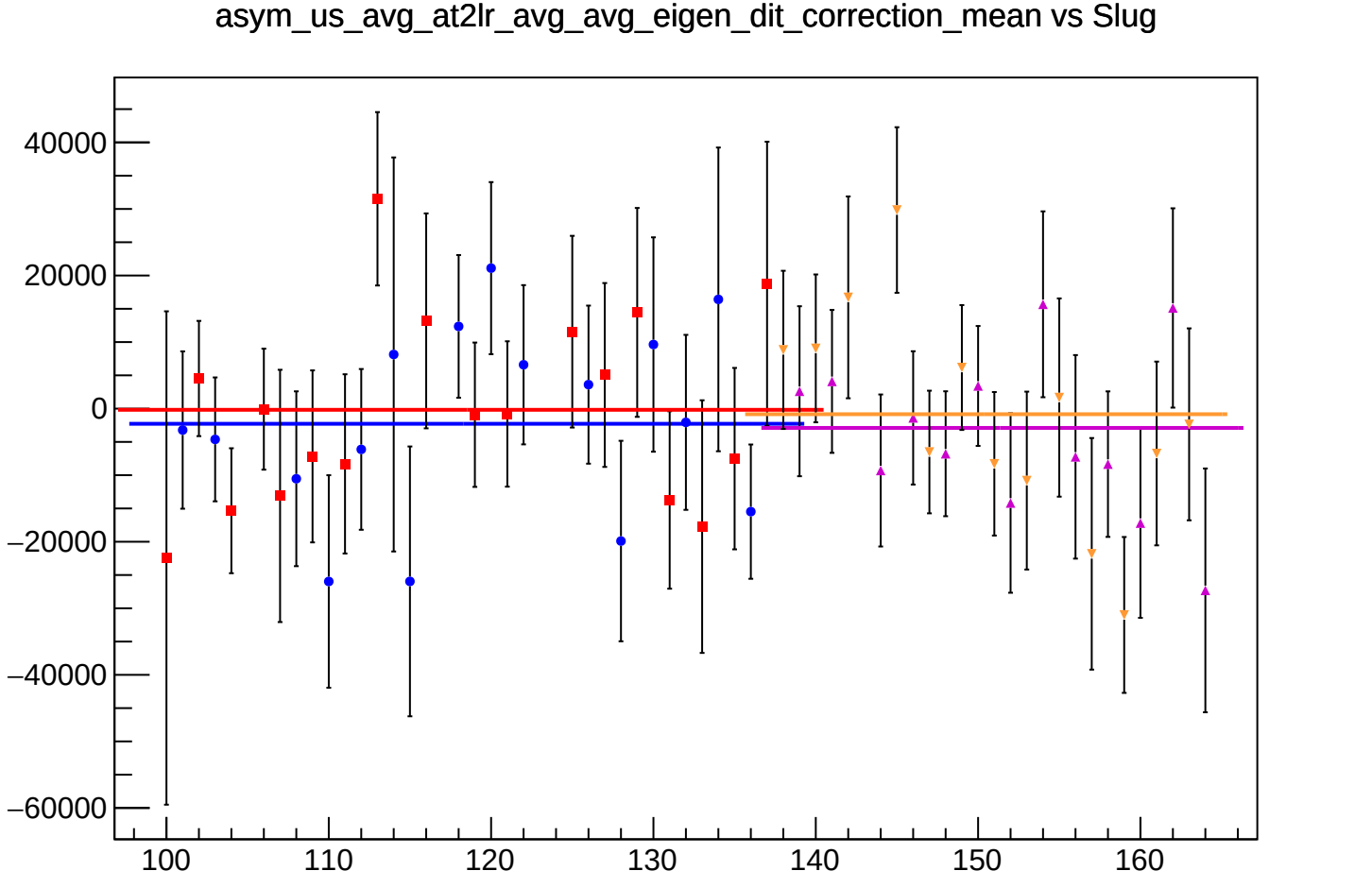
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.092+/-0.511 χ^2/NDF:37786.2/12

+ sign 2323.004+/-0.393 χ^2/NDF: 282136.3/28

All: 2321.148+/-0.276 χ^2/NDF: 537413.8/59

- 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: -838.935+/-3361.208 χ^2/NDF:19.2/12

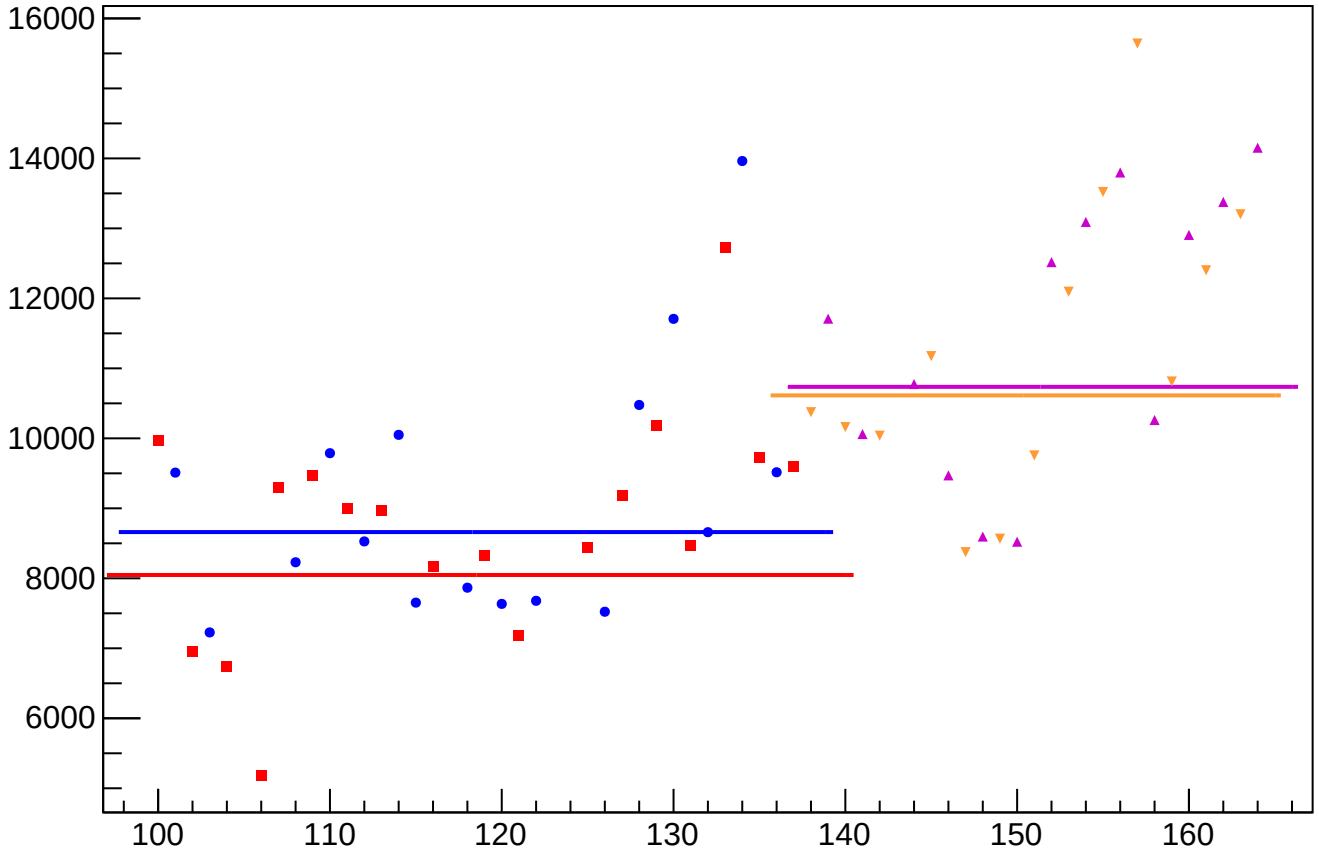
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2897.367+/-3301.022 χ^2/NDF:8.6/12

+ sign -1578.089+/-2344.462 χ^2/NDF: 33.7/28

All: -1496.994+/-1617.448 χ^2/NDF: 58.4/59

- 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: 10613.717+/-2.377 χ^2/NDF:603530.5/12

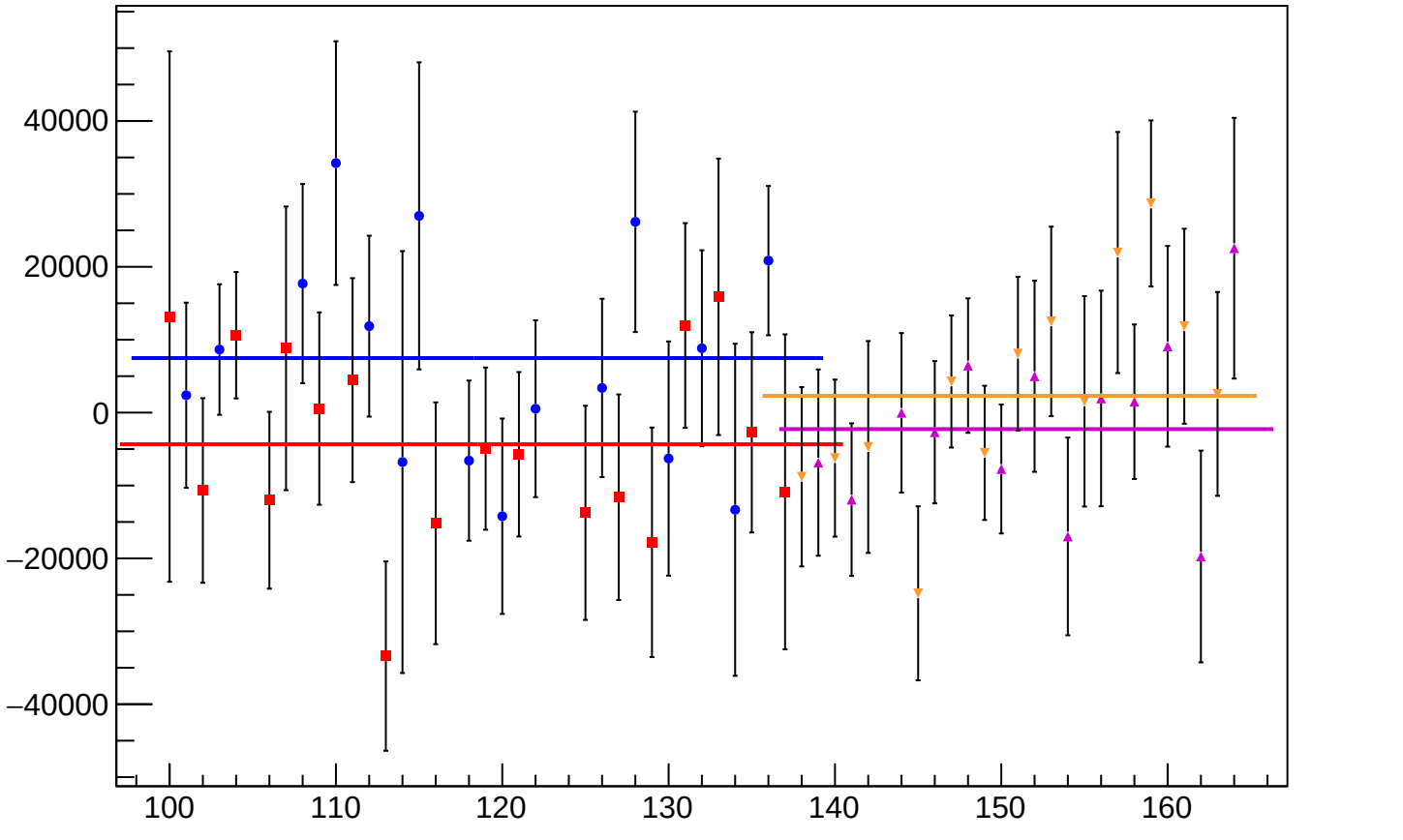
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10735.822+/-2.334 χ^2/NDF:630318.4/12

+ sign 9610.876+/-1.658 χ^2/NDF: 1308210.9/28

All: 9437.019+/-1.144 χ^2/NDF: 3236857.3/59

- sign 9279.110+/-1.580 χ^2/NDF: 1907658.5/30



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2305.724+/-3283.277 χ^2/NDF:15.8/12

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

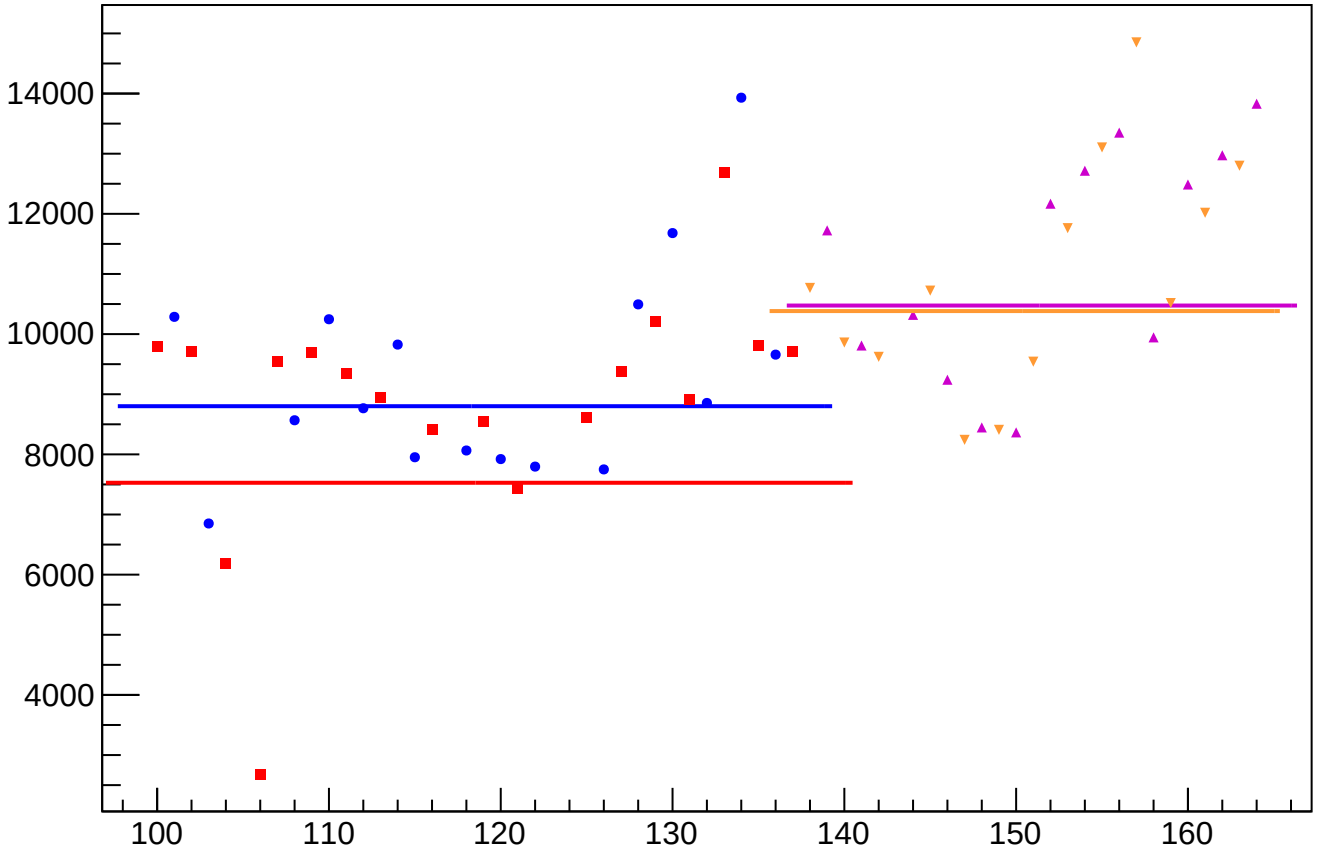
Left In: -2264.507+/-3218.149 χ^2/NDF:8.0/12

+ sign 4856.469+/-2338.288 χ^2/NDF: 31.1/28

All: 686.103+/-1633.953 χ^2/NDF: 59.8/59

- 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: 10382.855+/-2.322 χ^2/NDF:559783.7/12

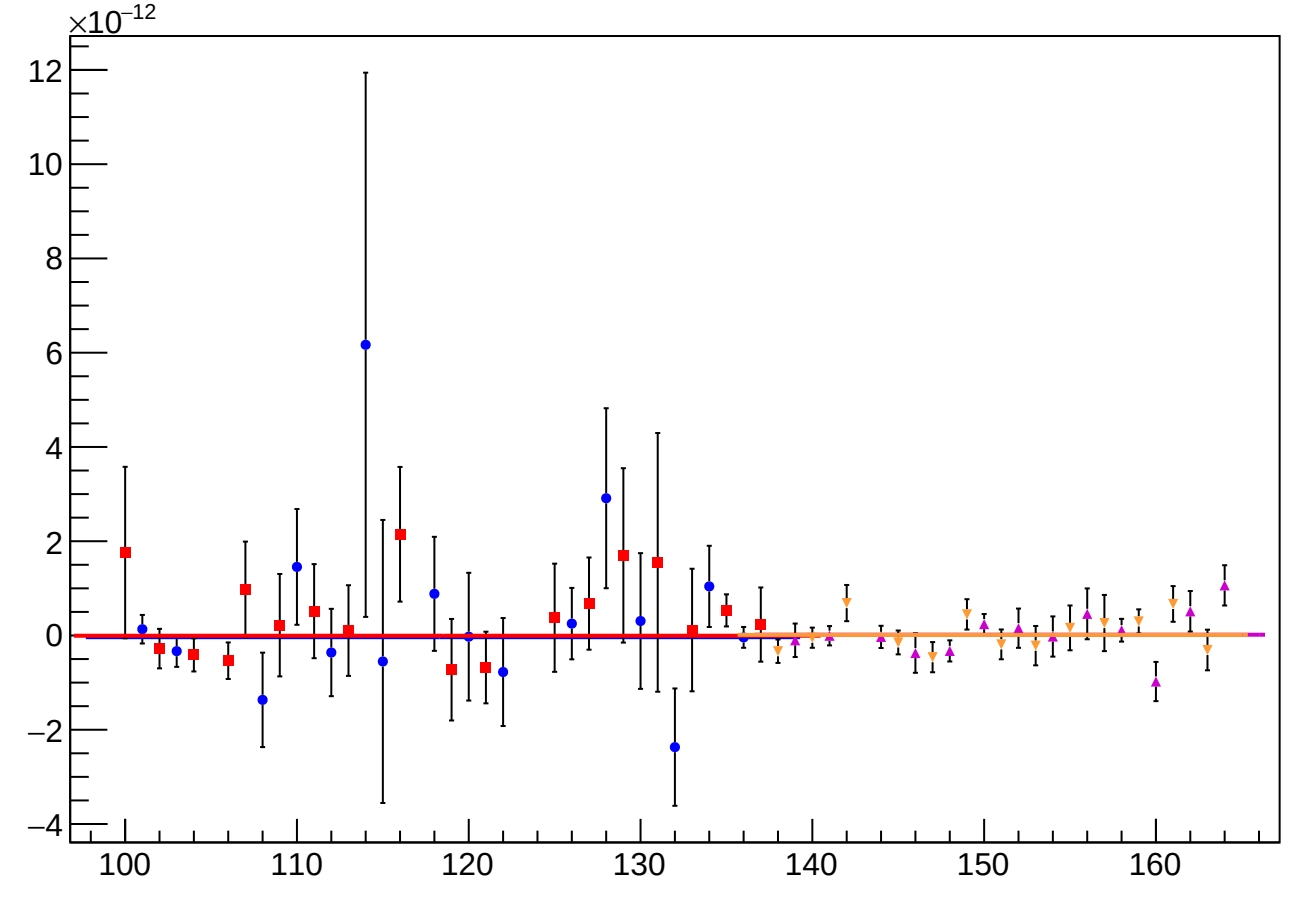
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10474.869+/-2.276 χ^2/NDF:611116.6/12

+ sign 9603.348+/-1.653 χ^2/NDF: 1183119.6/28

All: 9231.529+/-1.133 χ^2/NDF: 4441445.8/59

- 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:15.3/12

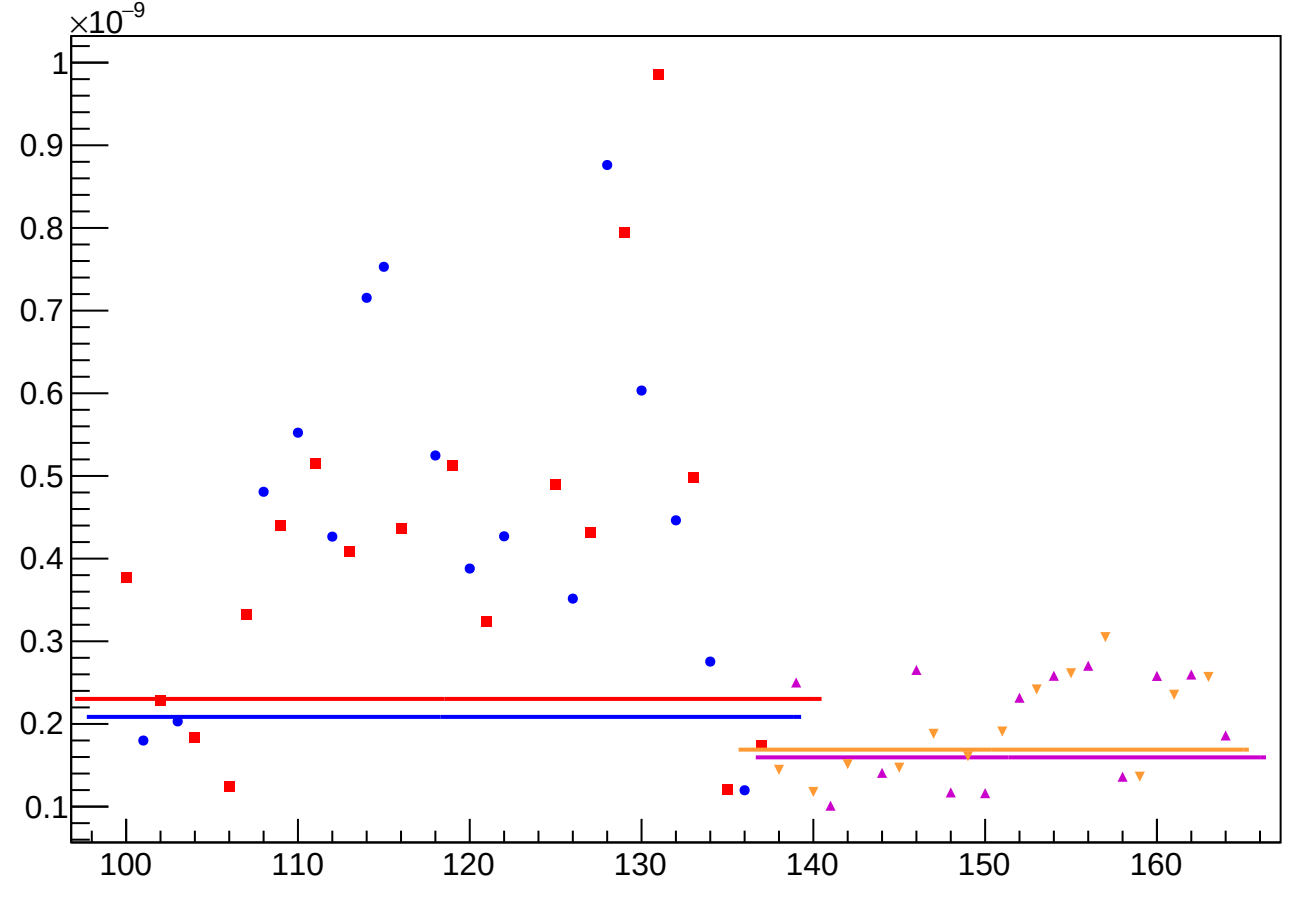
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:18.5/12

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

All: 0.000+/-0.000 χ^2/NDF: 61.9/59

- 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:588776.7/12

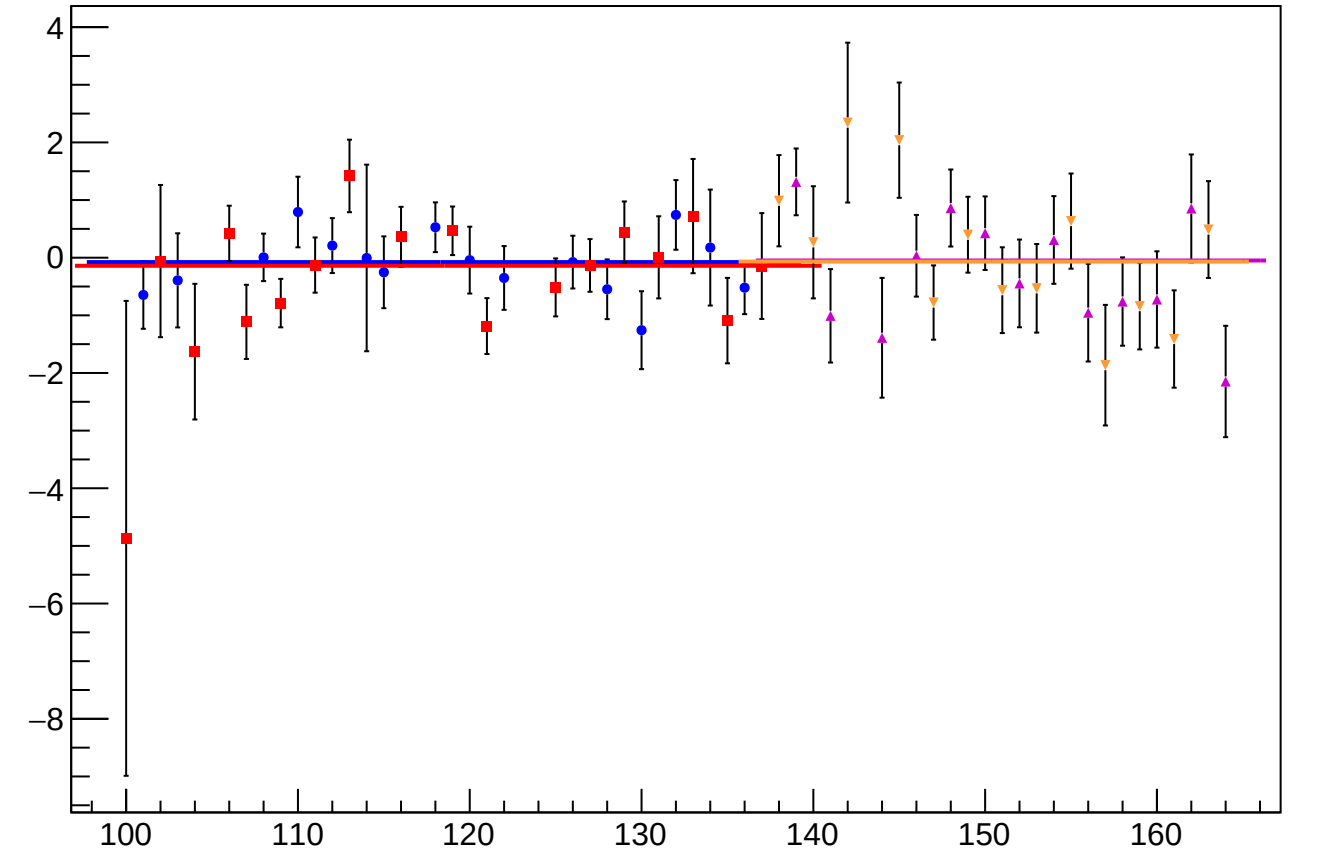
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084506.9/12

\+ sign 0.000+/-0.000 χ^2/NDF: 2334056.4/28

All: 0.000+/-0.000 χ^2/NDF: 5303221.3/59

\- 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: -0.067+/-0.227 χ^2/NDF:19.6/12

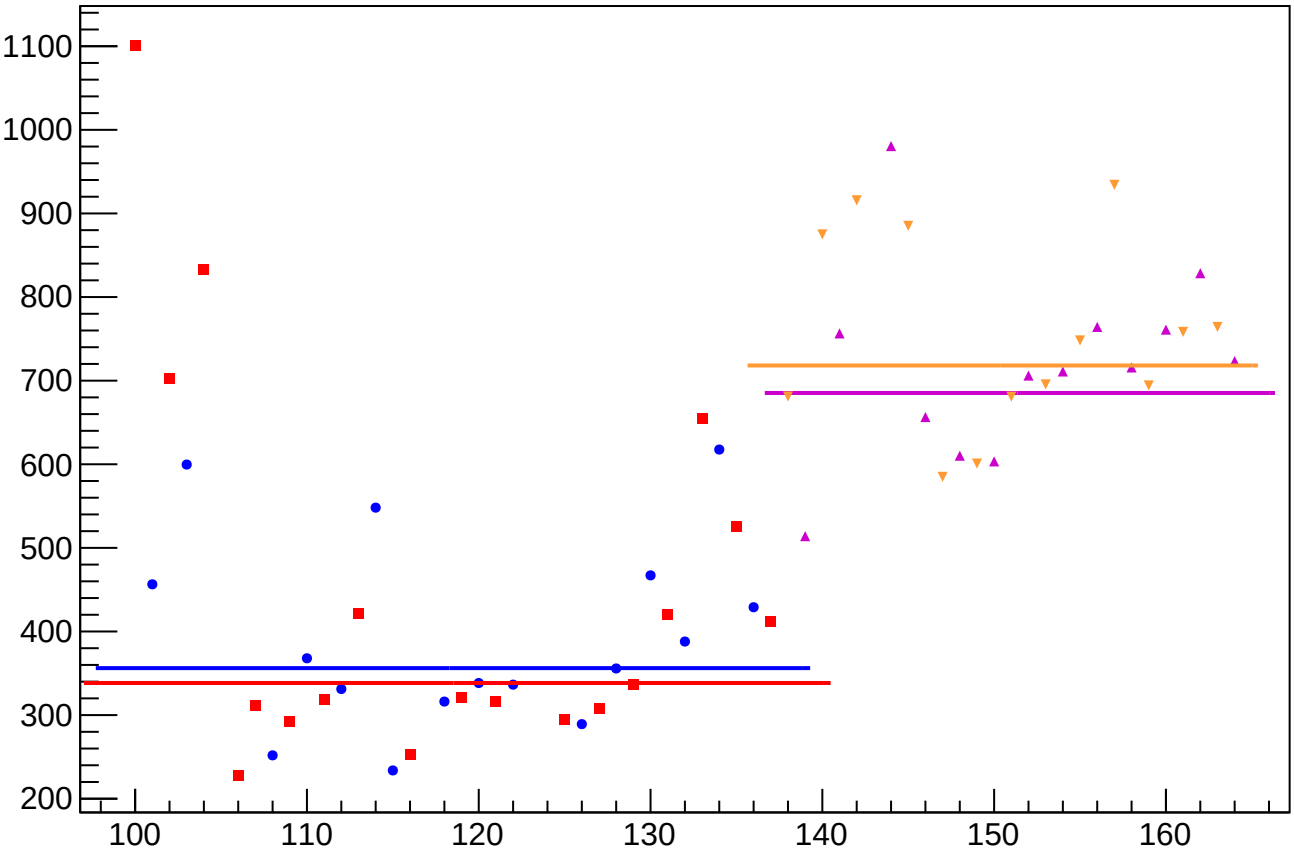
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.094+/-0.083 χ^2/NDF: 79.1/59

- sign -0.113+/-0.116 χ^2/NDF: 46.9/30



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

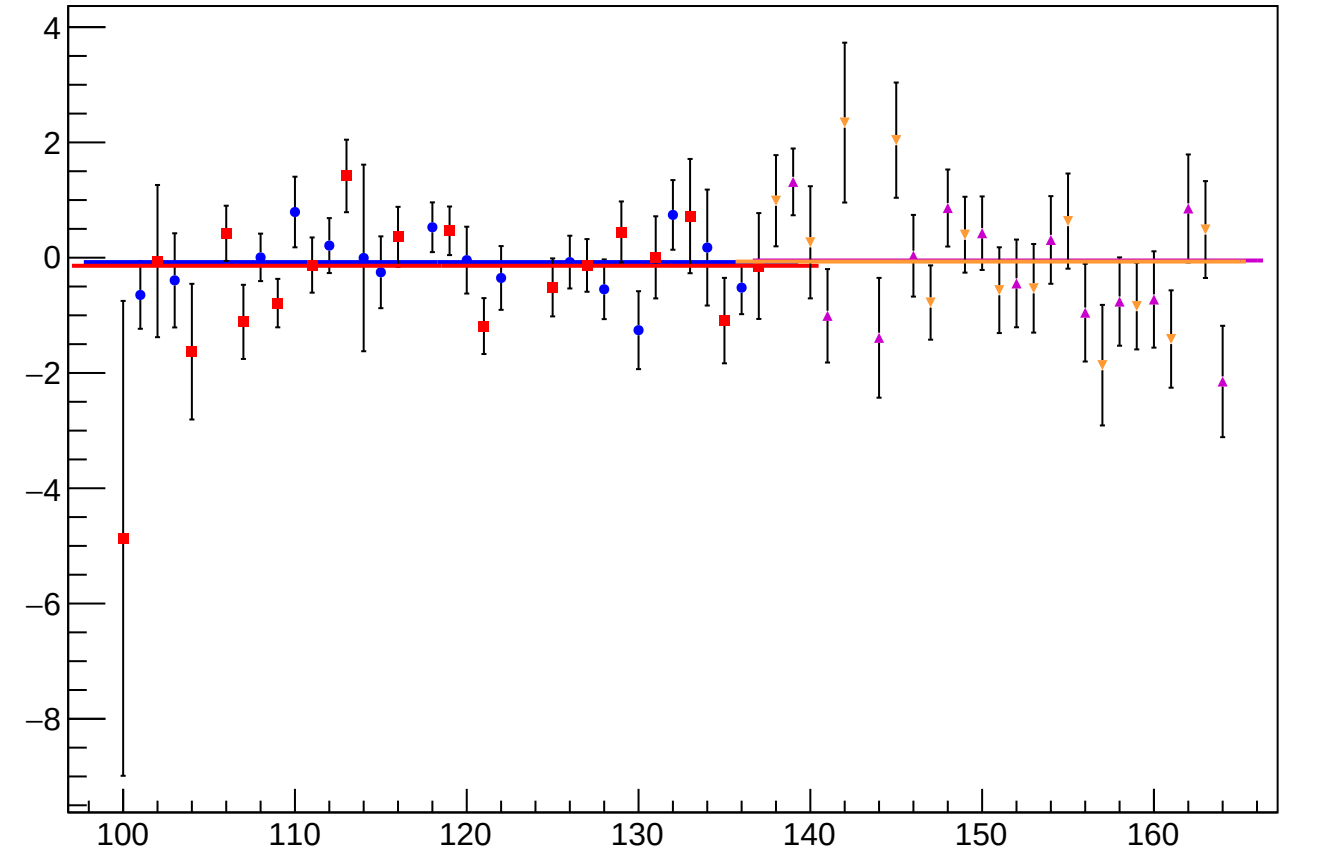
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 685.271+/-0.150 χ^2/NDF:503933.4/12

+ sign 455.662+/-0.084 χ^2/NDF: 4873418.2/28

All: 448.532+/-0.059 χ^2/NDF: 10363062.6/59

- sign 441.821+/-0.082 χ^2/NDF: 5475738.4/30



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

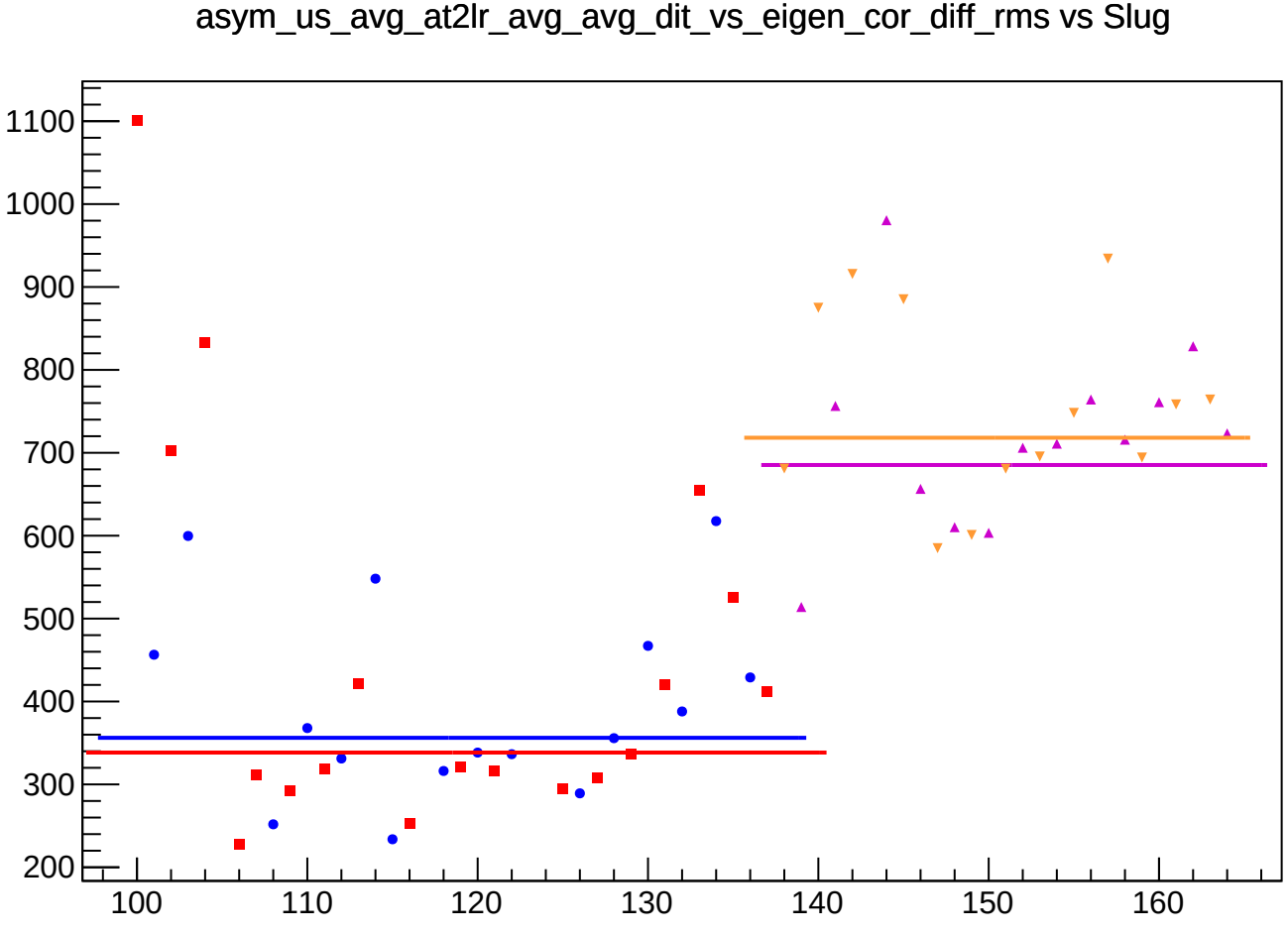
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.094+/-0.083 χ^2/NDF: 79.1/59

- sign -0.113+/-0.116 χ^2/NDF: 46.9/30



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

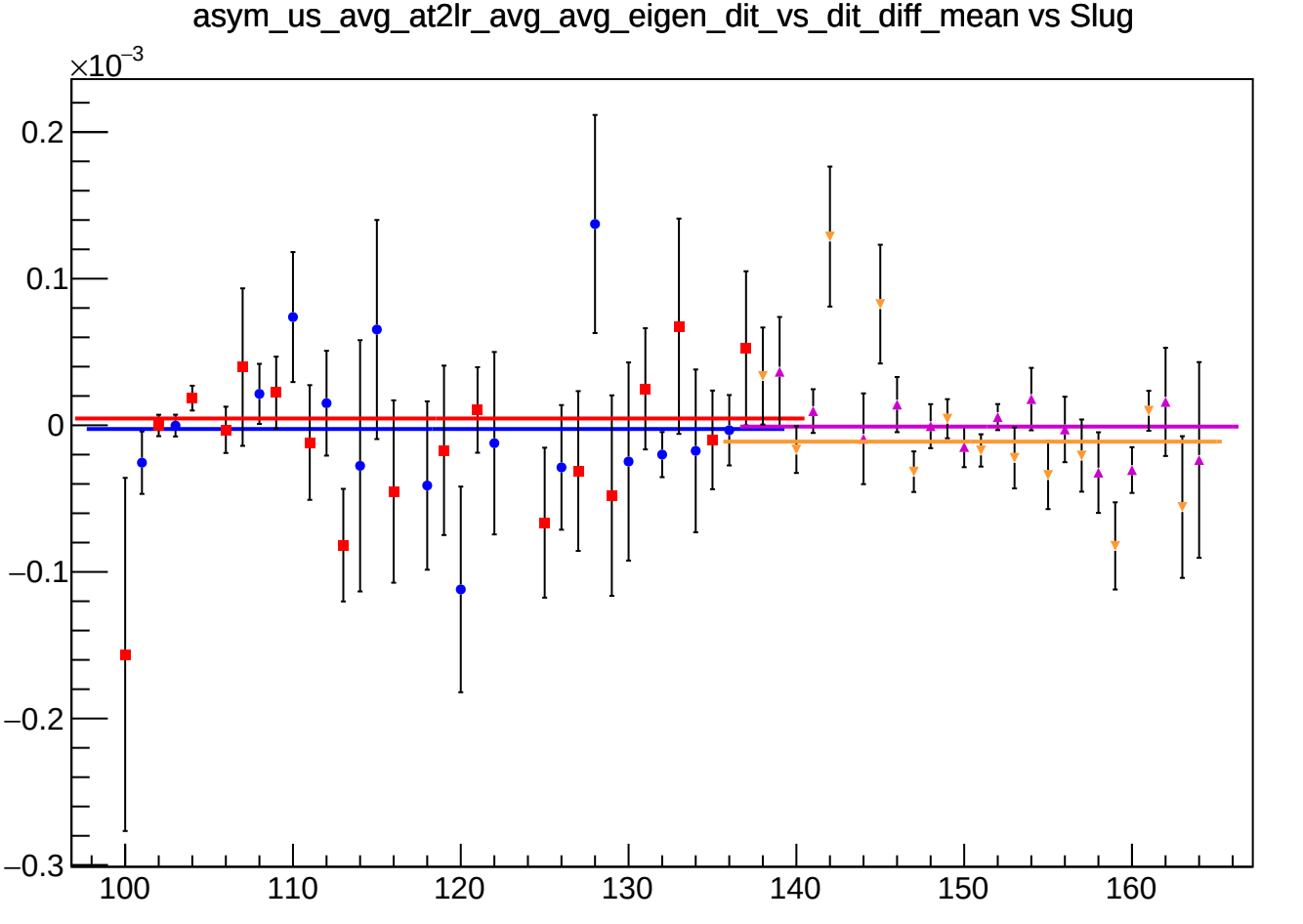
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 685.271+/-0.150 χ^2/NDF:503933.4/12

+ sign 455.662+/-0.084 χ^2/NDF: 4873418.2/28

All: 448.532+/-0.059 χ^2/NDF: 10363062.6/59

- sign 441.821+/-0.082 χ^2/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:30.1/12

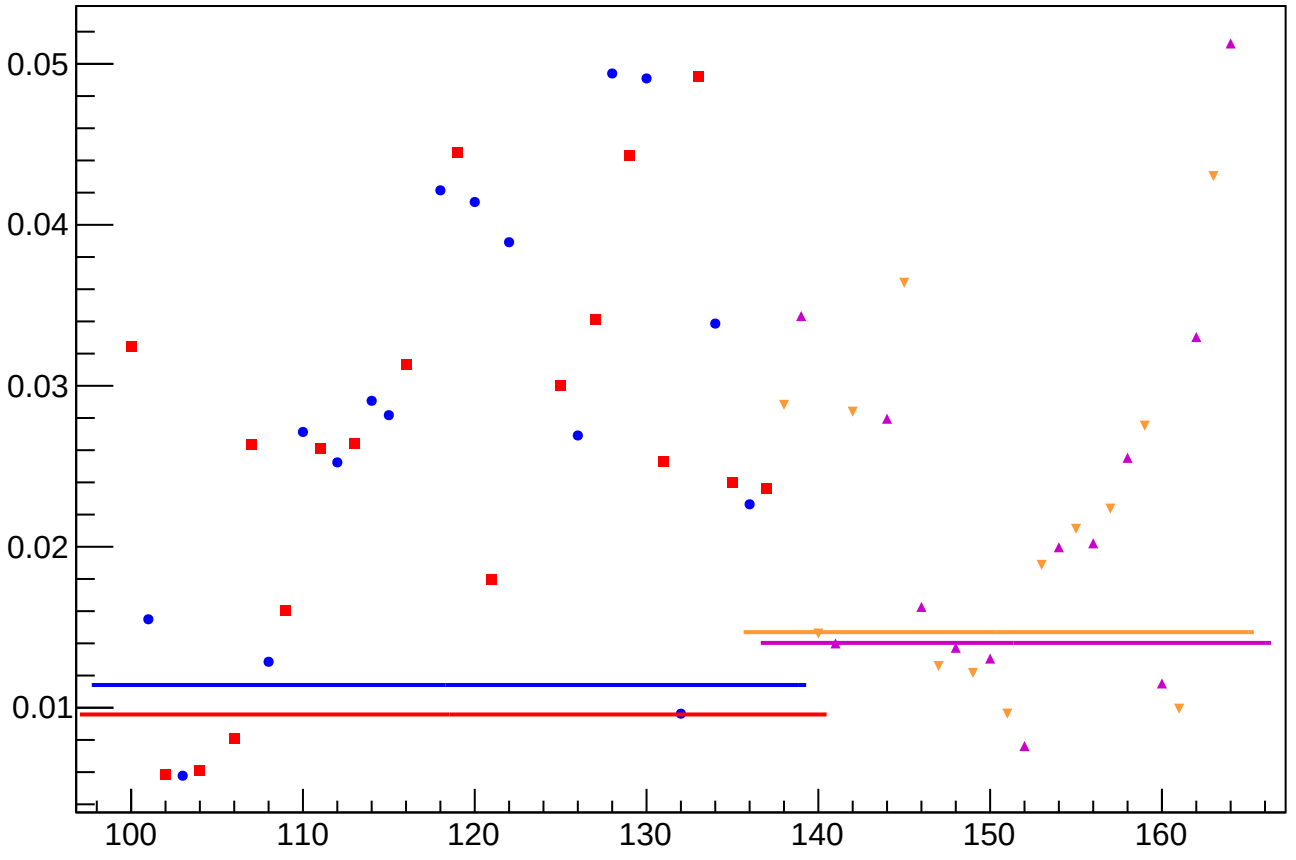
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/28

All: -0.000+/-0.000 χ^2/NDF: 77.2/59

- sign 0.000+/-0.000 χ^2/NDF: 27.5/30



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:3374300.9/12

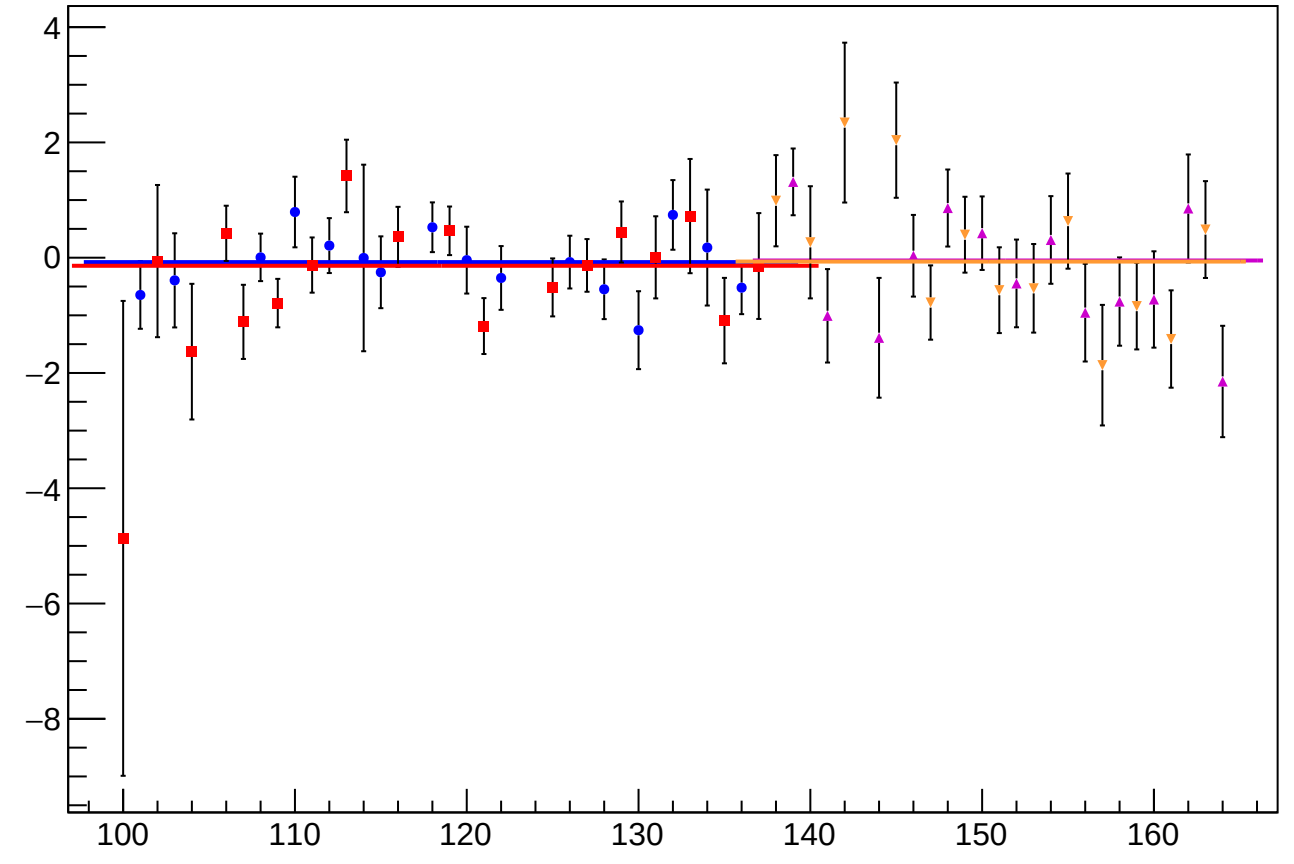
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:3942651.7/12

+ sign 0.013+/-0.000 χ^2/NDF: 9250309.0/28

All: 0.012+/-0.000 χ^2/NDF: 20001558.2/59

- sign 0.012+/-0.000 χ^2/NDF: 10588948.9/30



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

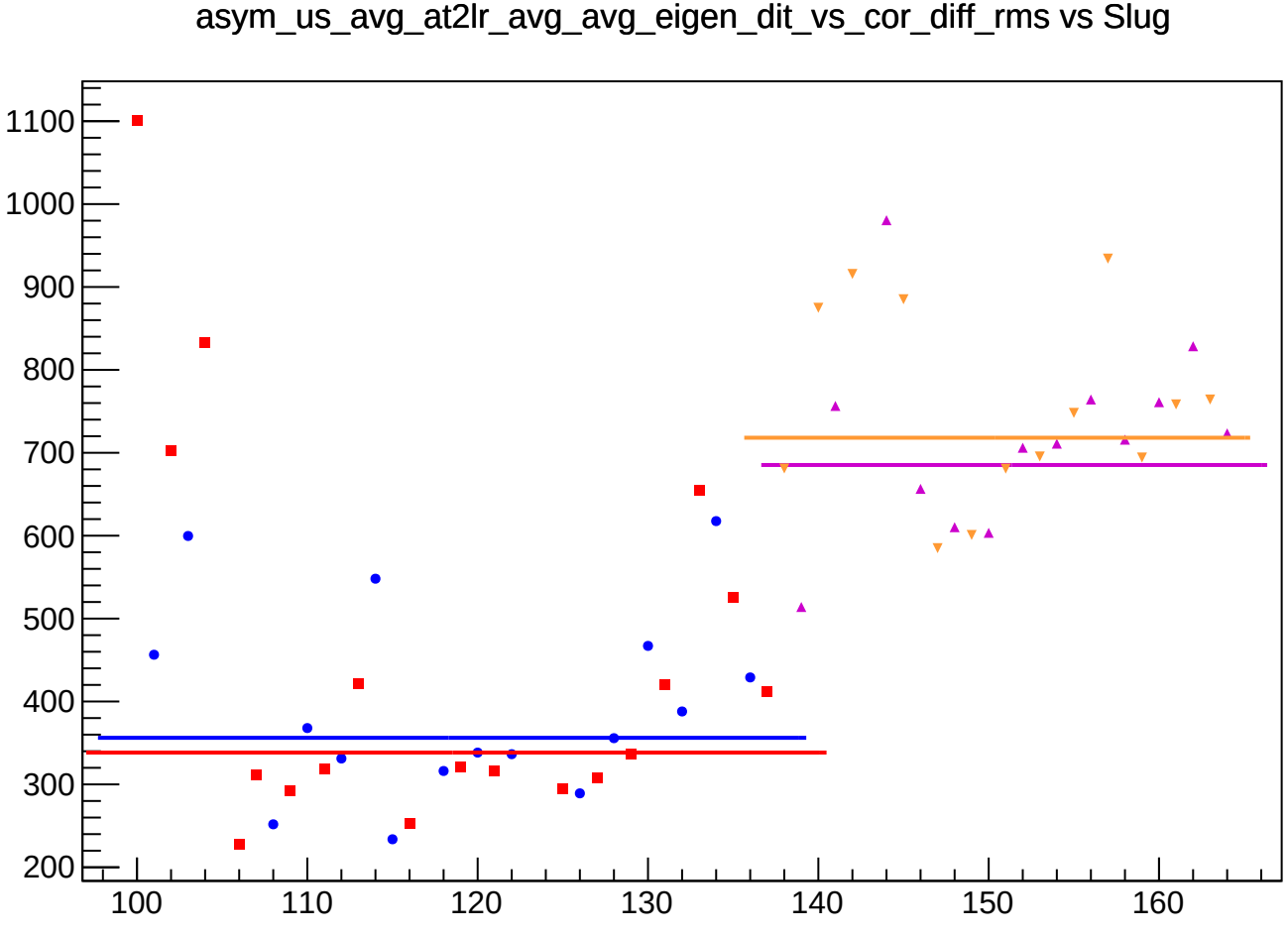
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.094+/-0.083 χ^2/NDF: 79.1/59

- 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: 718.171+/-0.161 χ^2/NDF:409007.0/12

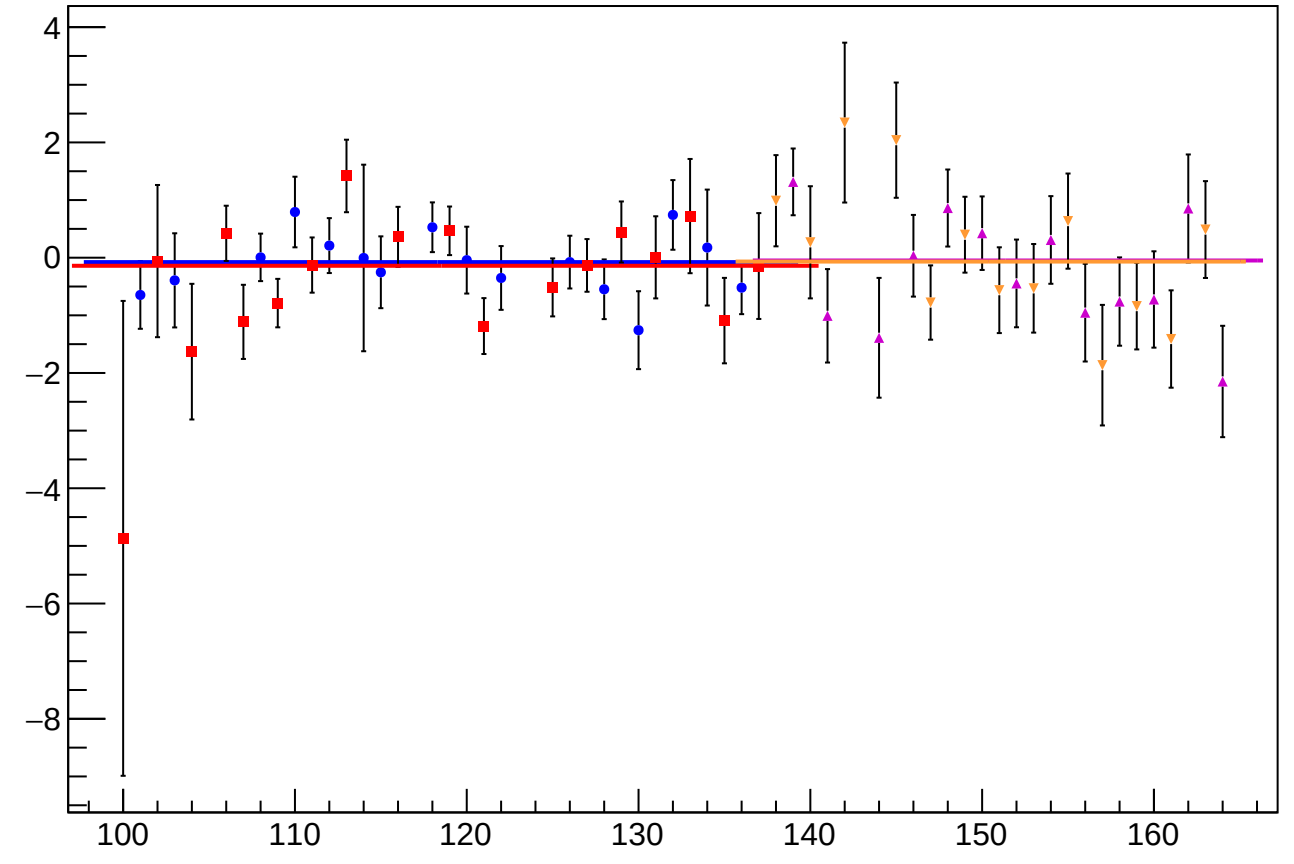
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

+ sign 455.661+/-0.084 χ^2/NDF: 4873573.6/28

All: 448.531+/-0.059 χ^2/NDF: 10363413.0/59

- sign 441.819+/-0.082 χ^2/NDF: 5475932.4/30



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

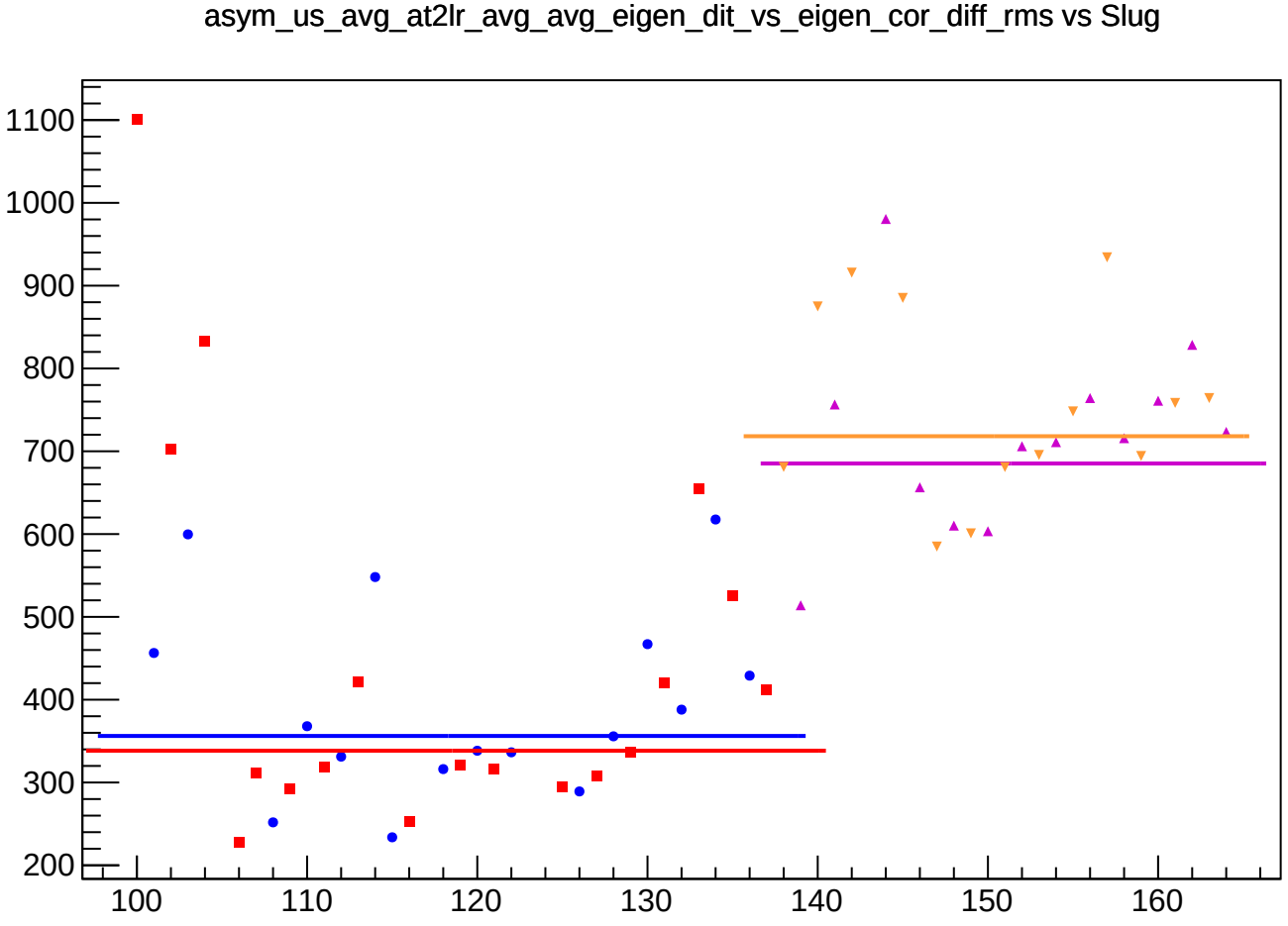
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.094+/-0.083 χ^2/NDF: 79.1/59

- 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: 718.171+/-0.161 χ^2/NDF:409007.0/12

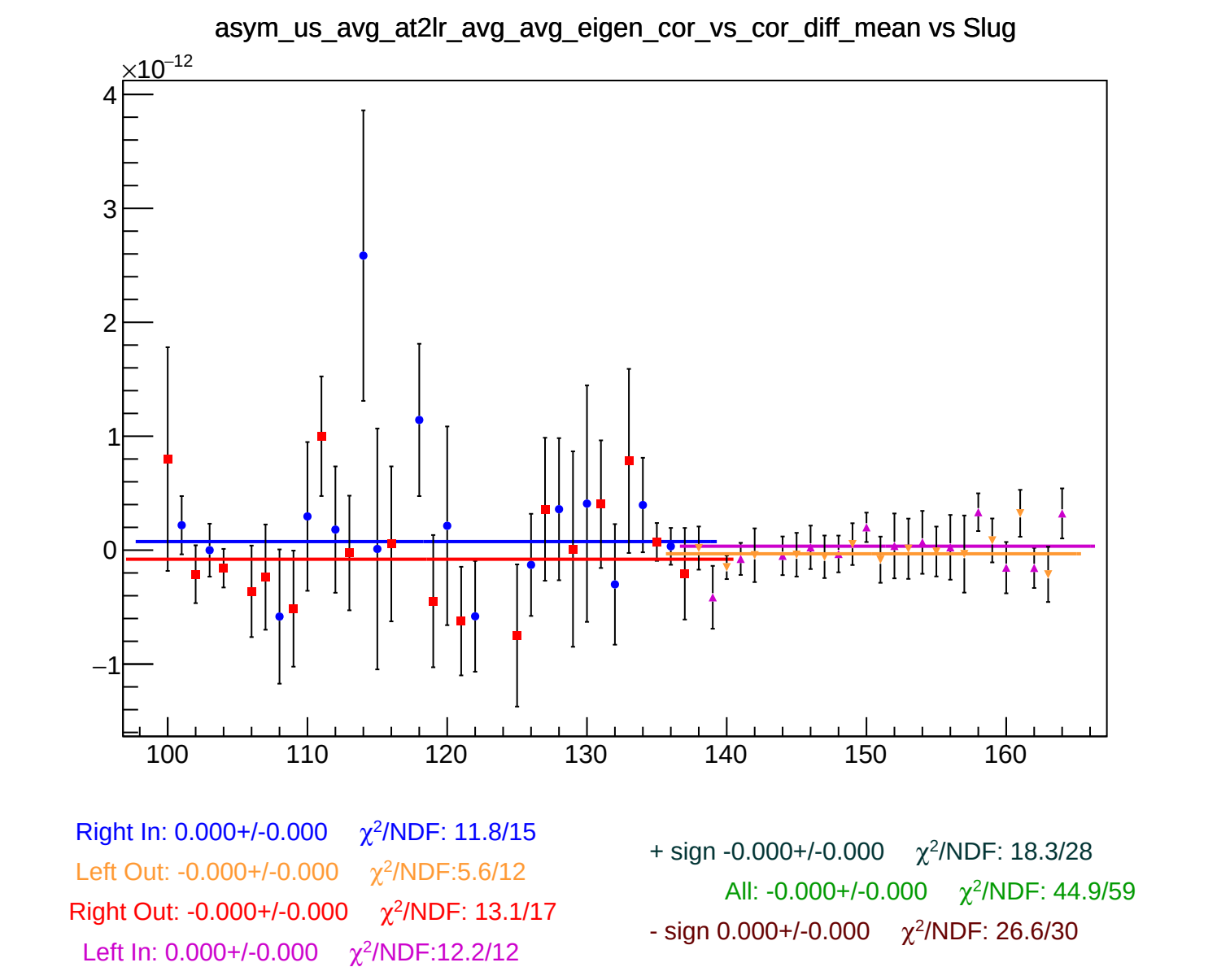
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

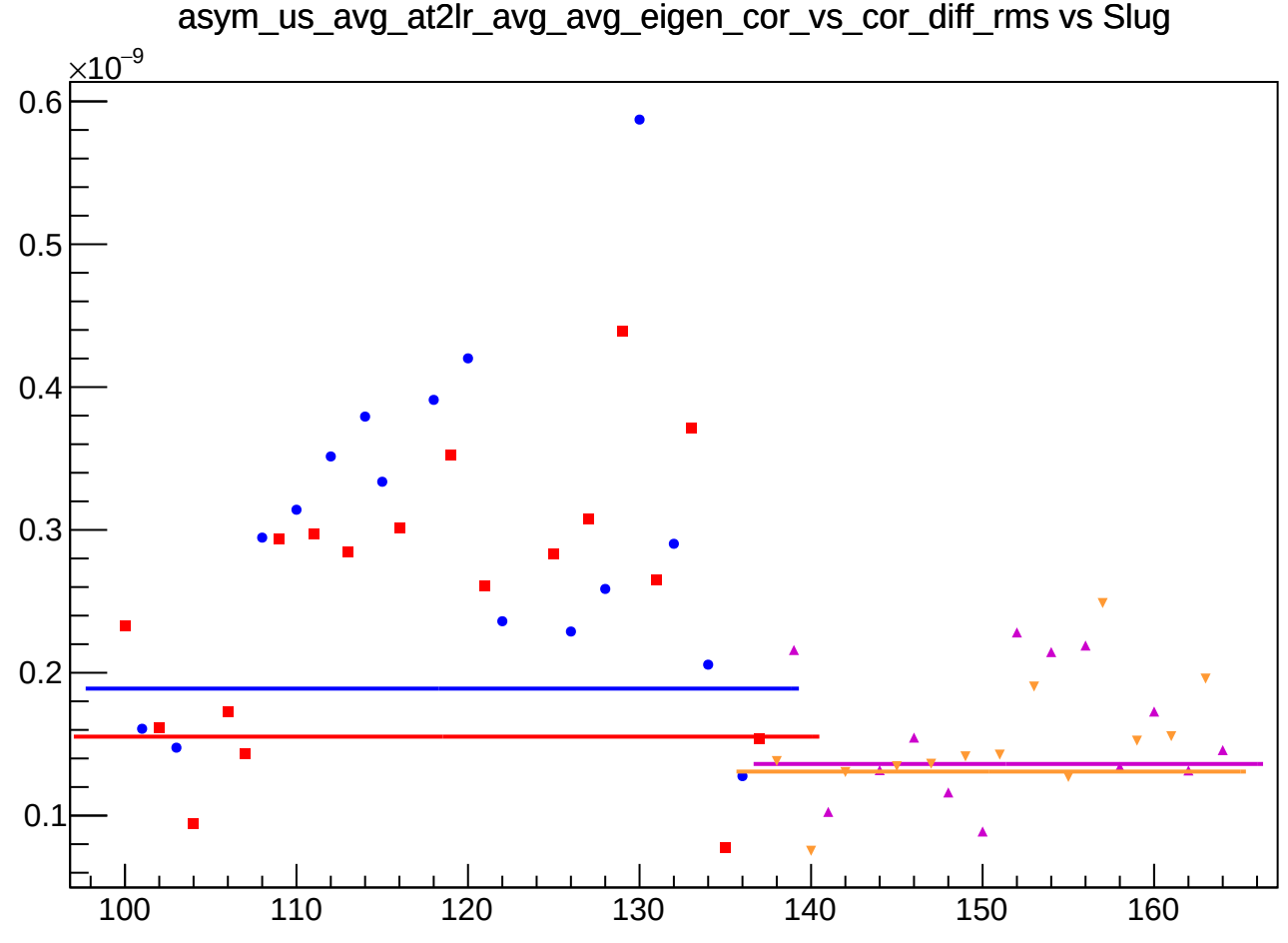
Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

+ sign 455.661+/-0.084 χ^2/NDF: 4873573.6/28

All: 448.531+/-0.059 χ^2/NDF: 10363413.0/59

- 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:5.6/12
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: 18.3/28
All: -0.000+/-0.000 χ²/NDF: 44.9/59
- 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:1132153.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

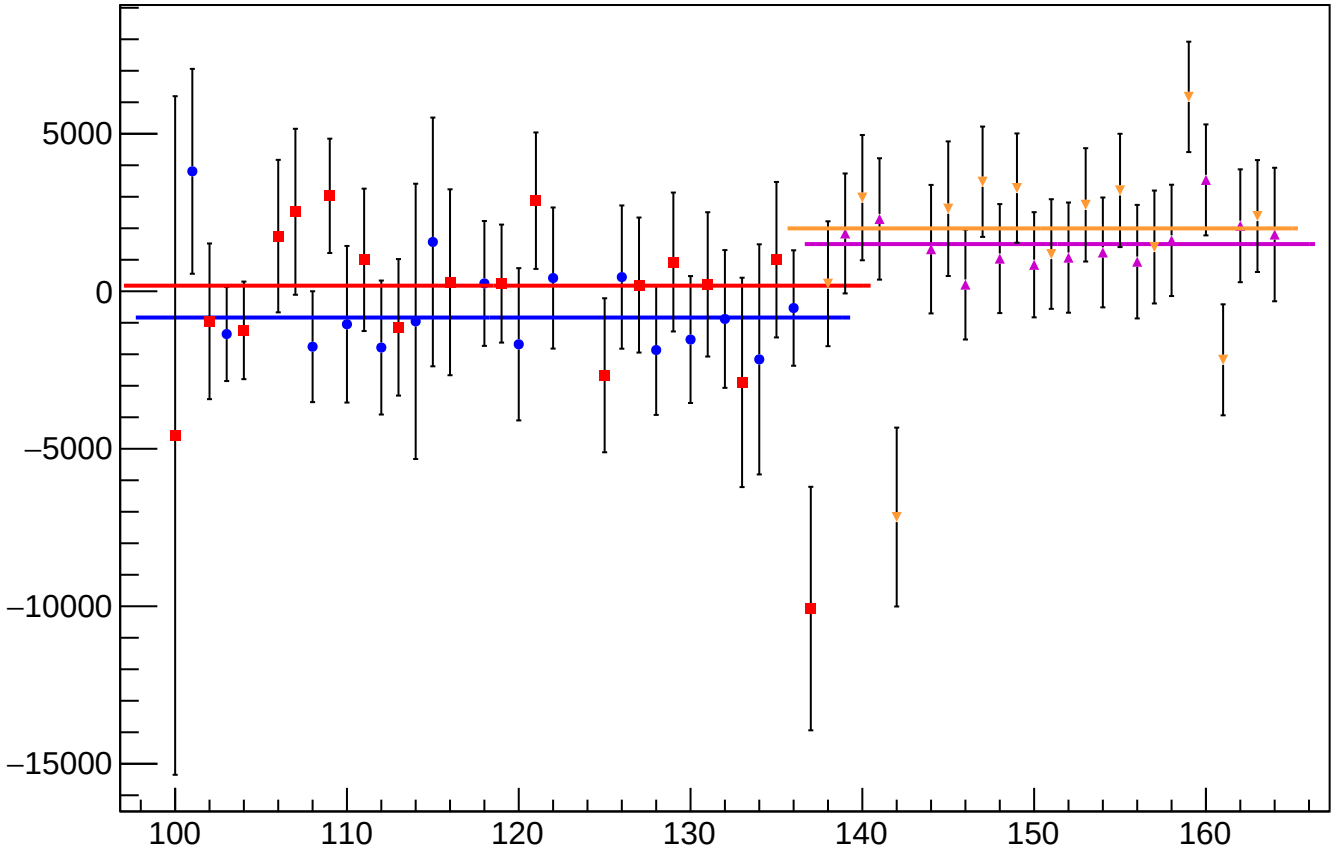
Left In: 0.000+/-0.000 χ^2/NDF:1199077.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3212051.1/28

All: 0.000+/-0.000 χ^2/NDF: 6689083.2/59

- 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: 1995.963+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

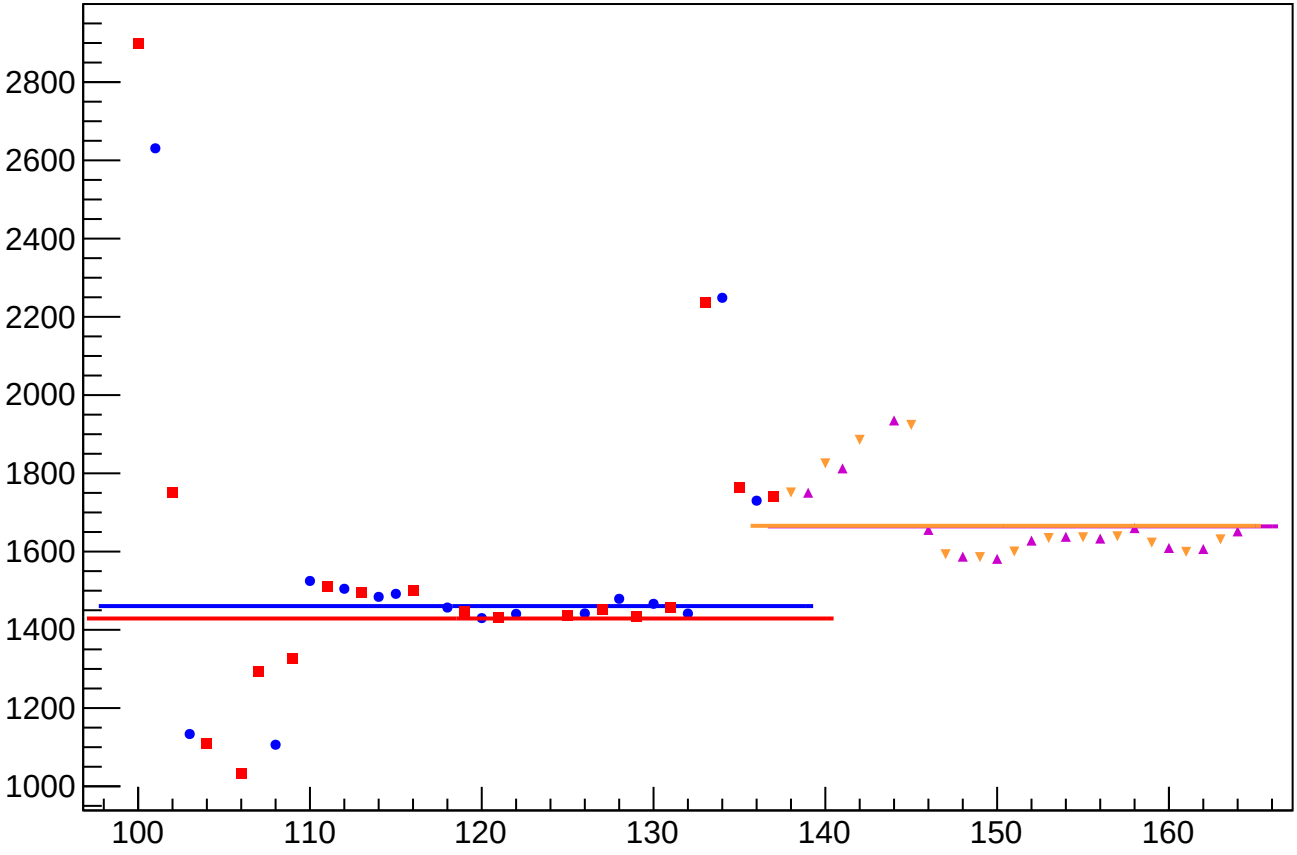
Left In: 1498.328+/-503.322 χ^2/NDF:2.6/12

+ sign 679.432+/-378.466 χ^2/NDF: 43.6/28

All: 789.007+/-264.805 χ^2/NDF: 66.0/59

- 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: 1665.876+/-0.366 χ^2/NDF:74660.9/12

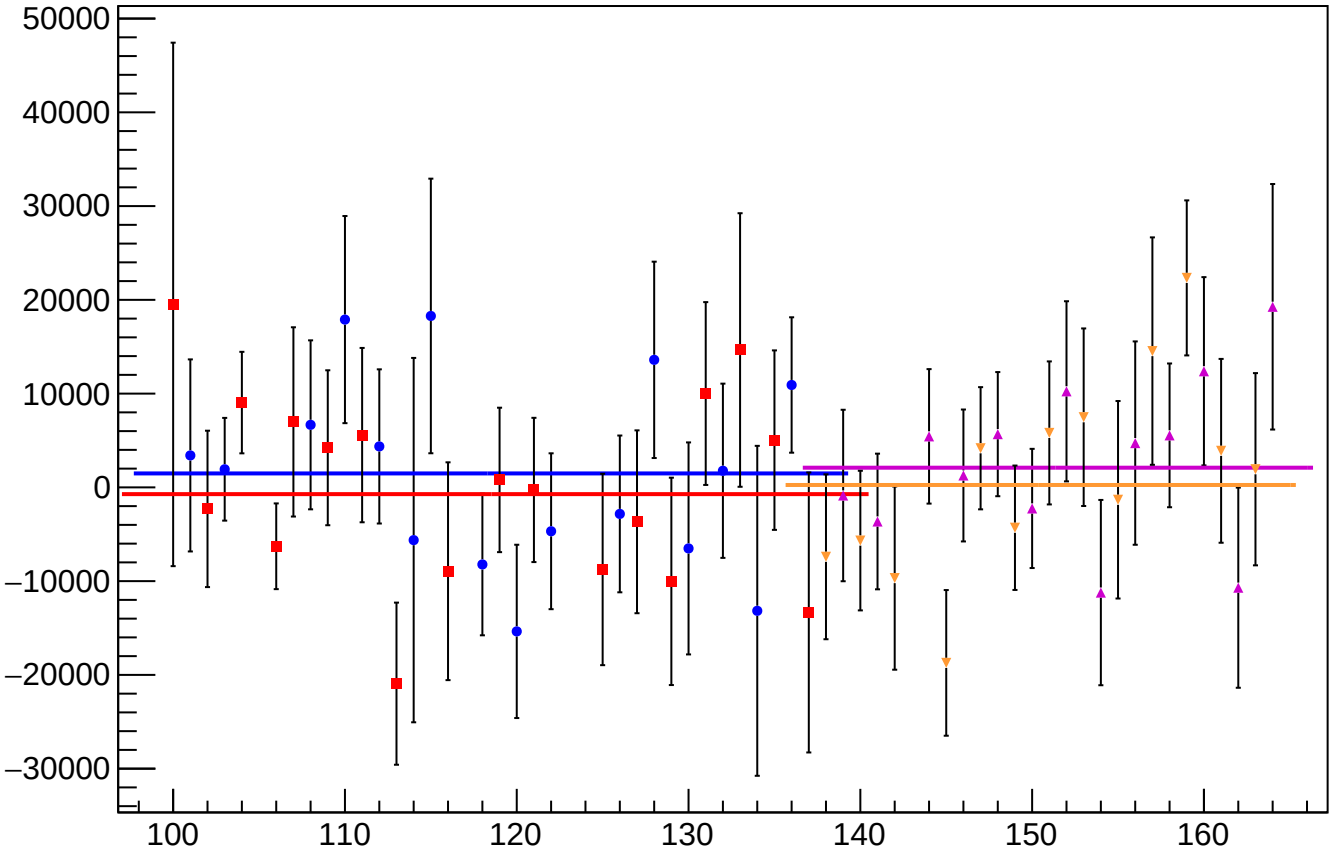
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1570.386+/-0.268 χ^2/NDF: 796704.7/28

All: 1562.901+/-0.187 χ^2/NDF: 1477735.2/59

- 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: 255.369+/-2337.586 χ^2/NDF:19.0/12

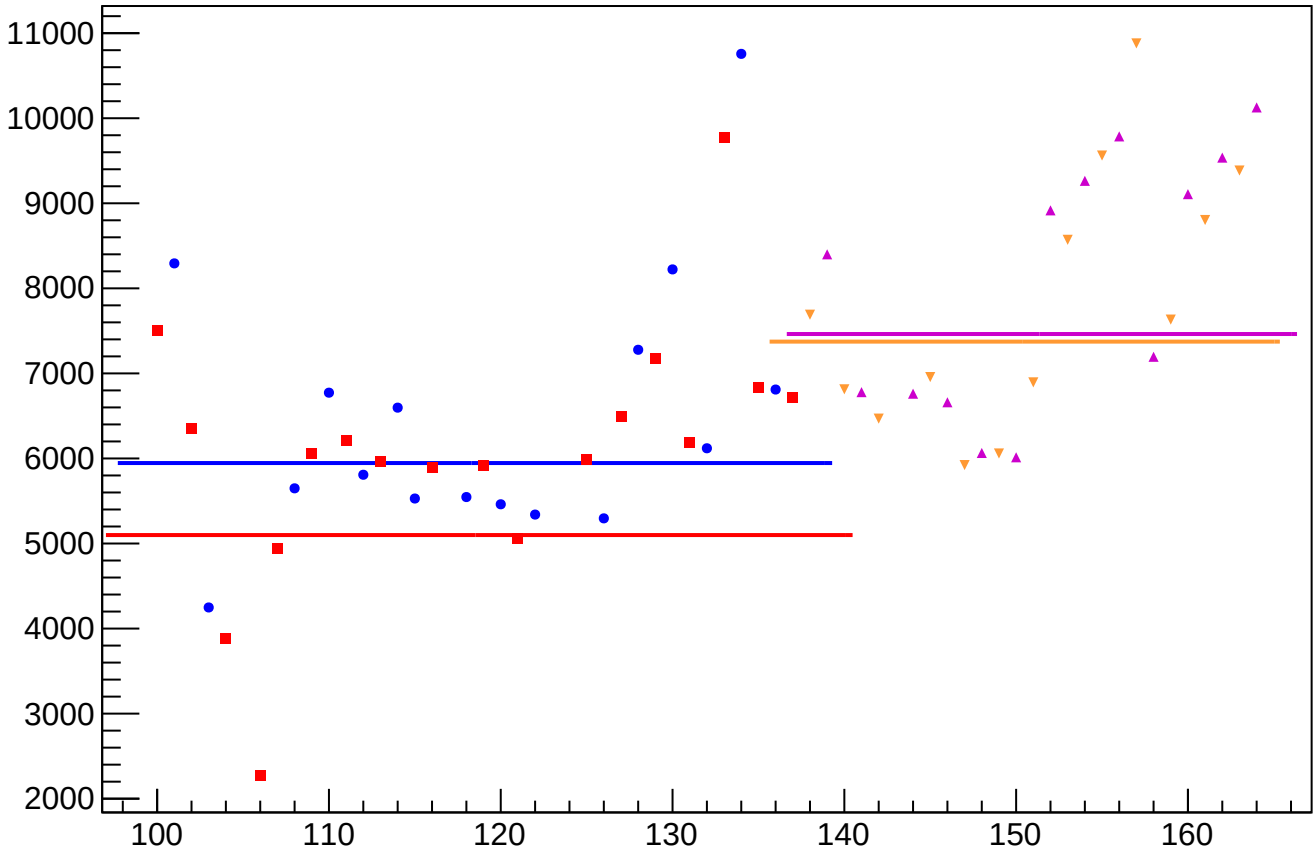
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2098.252+/-2297.723 χ^2/NDF:8.7/12

+ sign 890.007+/-1627.773 χ^2/NDF: 33.4/28

All: 682.286+/-1108.408 χ^2/NDF: 60.5/59

- 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: 7373.693+/-1.653 χ^2/NDF:629541.4/12

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

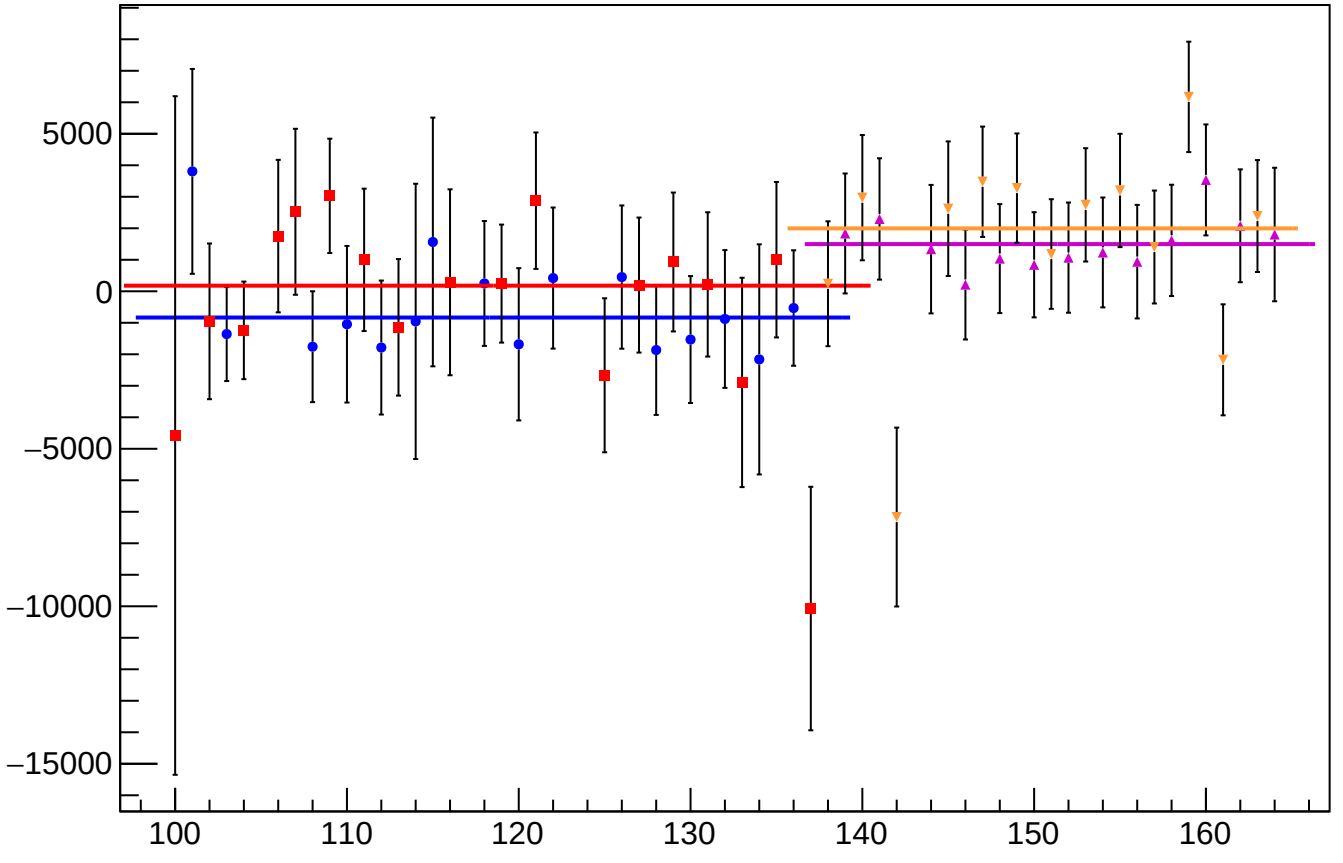
Left In: 7463.017+/-1.625 χ^2/NDF:695712.3/12

+ sign 6638.330+/-1.151 χ^2/NDF: 1654916.9/28

All: 6362.977+/-0.784 χ^2/NDF: 5135831.2/59

- sign 6124.924+/-1.070 χ^2/NDF: 3374206.9/30

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1996.021+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

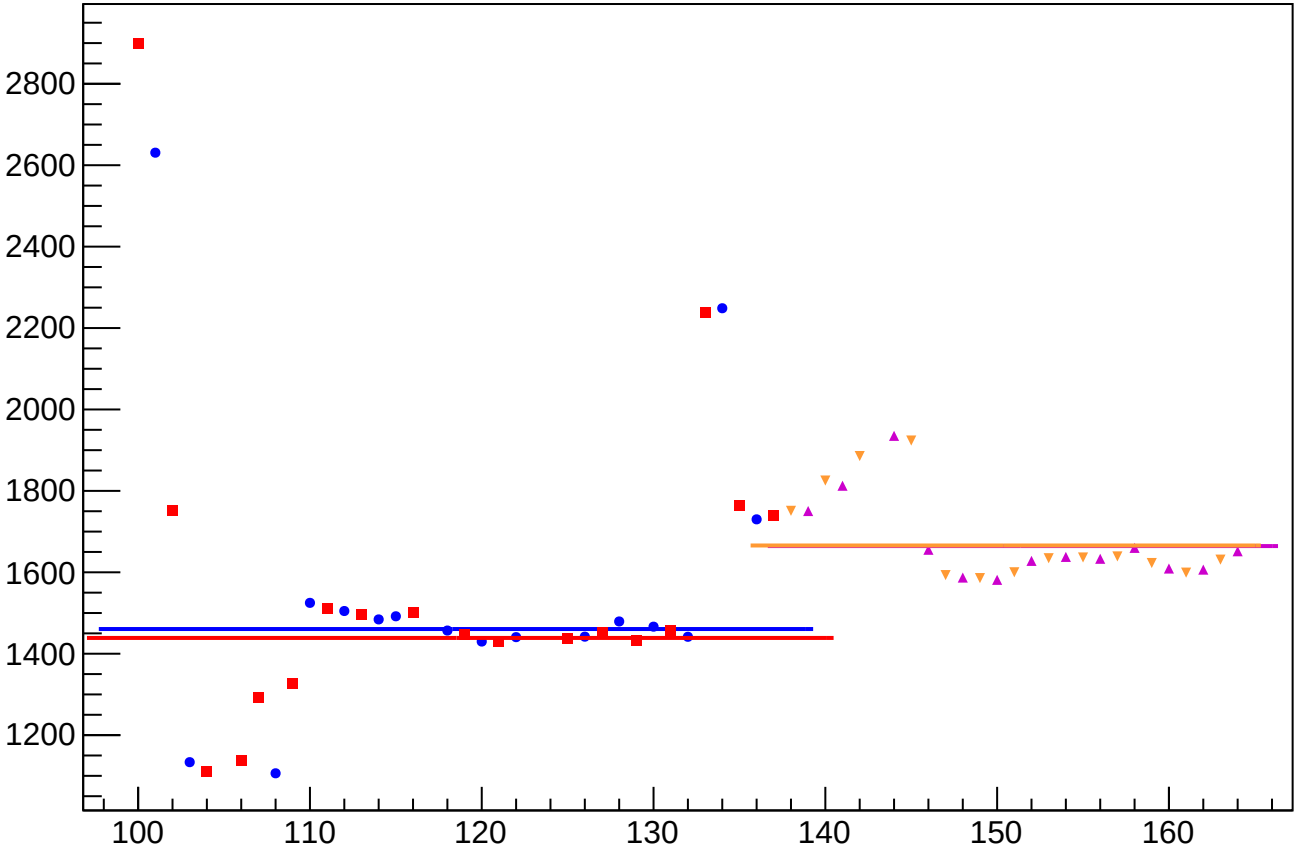
Left In: 1498.342+/-503.322 χ^2/NDF:2.6/12

+ sign 679.434+/-378.466 χ^2/NDF: 43.6/28

All: 788.975+/-264.805 χ^2/NDF: 66.0/59

- 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: 1665.876+/-0.366 χ^2/NDF:74660.9/12

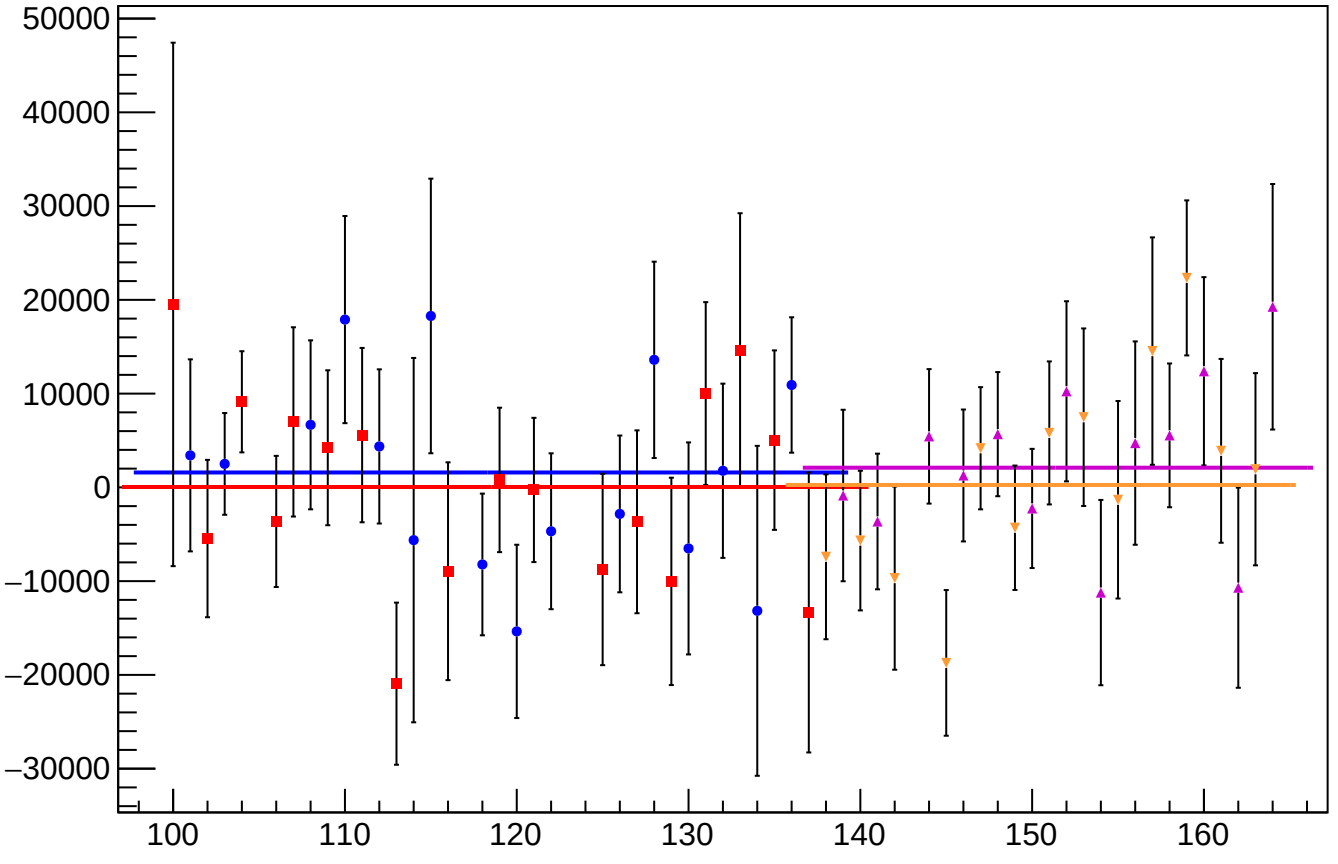
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1570.386+/-0.268 χ^2/NDF: 796705.2/28

All: 1565.527+/-0.187 χ^2/NDF: 1421427.5/59

- 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: 255.362+/-2337.584 χ^2/NDF:19.1/12

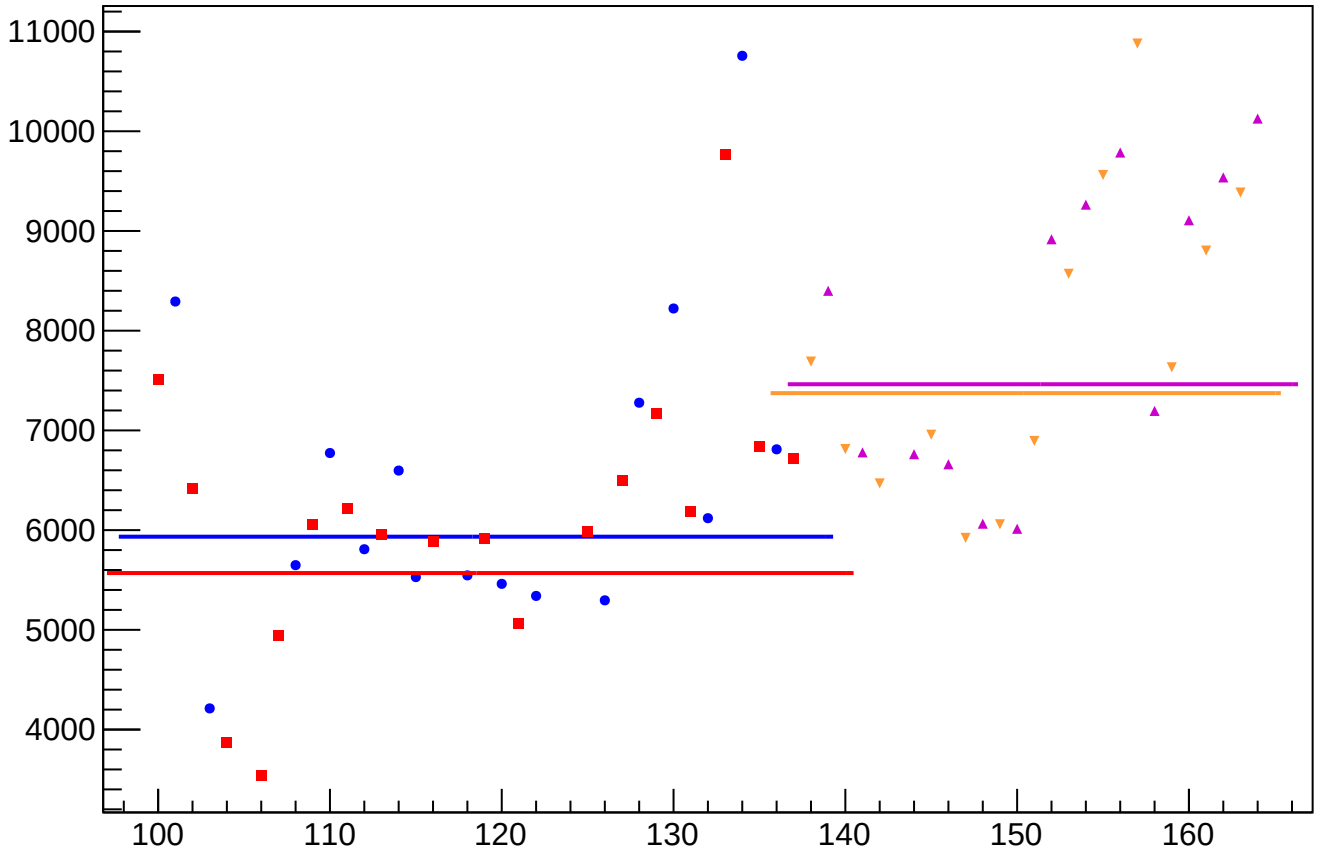
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2098.308+/-2297.721 χ^2/NDF:8.7/12

+ sign 943.247+/-1626.378 χ^2/NDF: 33.4/28

All: 969.161+/-1127.048 χ^2/NDF: 59.0/59

- 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: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

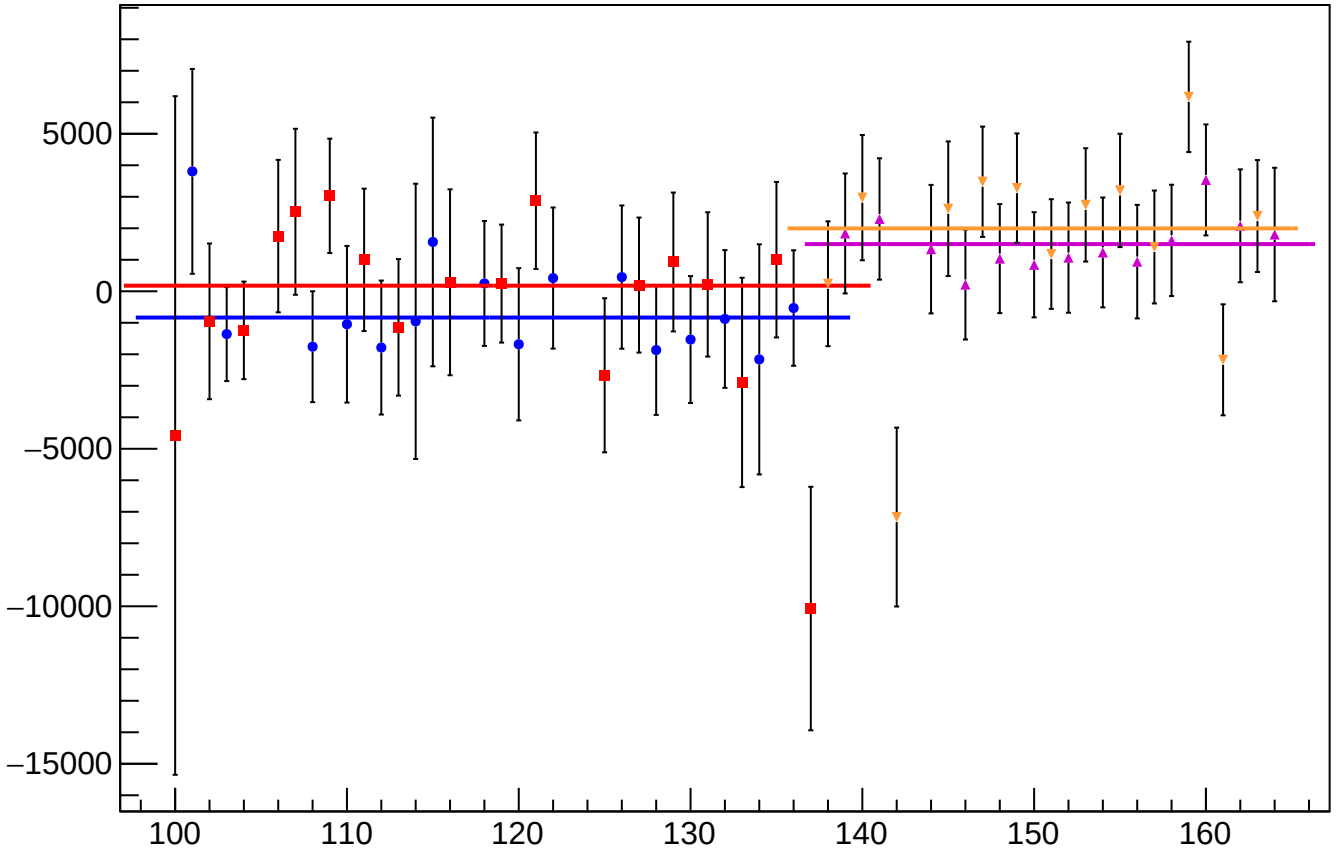
Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

+ sign 6631.018+/-1.150 χ^2/NDF: 1673910.6/28

All: 6534.866+/-0.797 χ^2/NDF: 3836566.4/59

- sign 6446.032+/-1.105 χ^2/NDF: 2149207.0/30

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1996.021+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

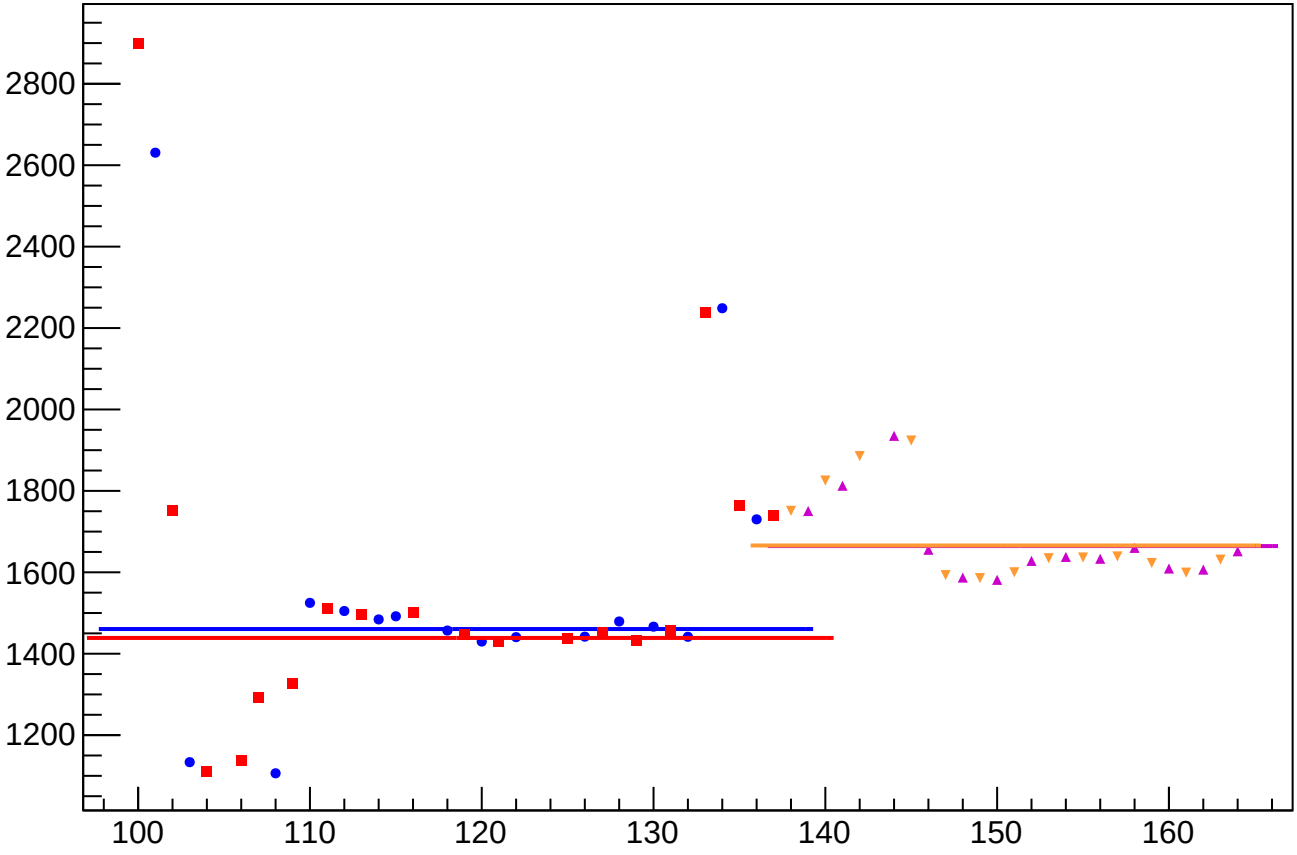
Left In: 1498.342+/-503.322 χ^2/NDF:2.6/12

\+ sign 679.434+/-378.466 χ^2/NDF: 43.6/28

All: 788.975+/-264.805 χ^2/NDF: 66.0/59

\- sign 894.030+/-370.638 χ^2/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: 1665.876+/-0.366 χ^2/NDF:74660.9/12

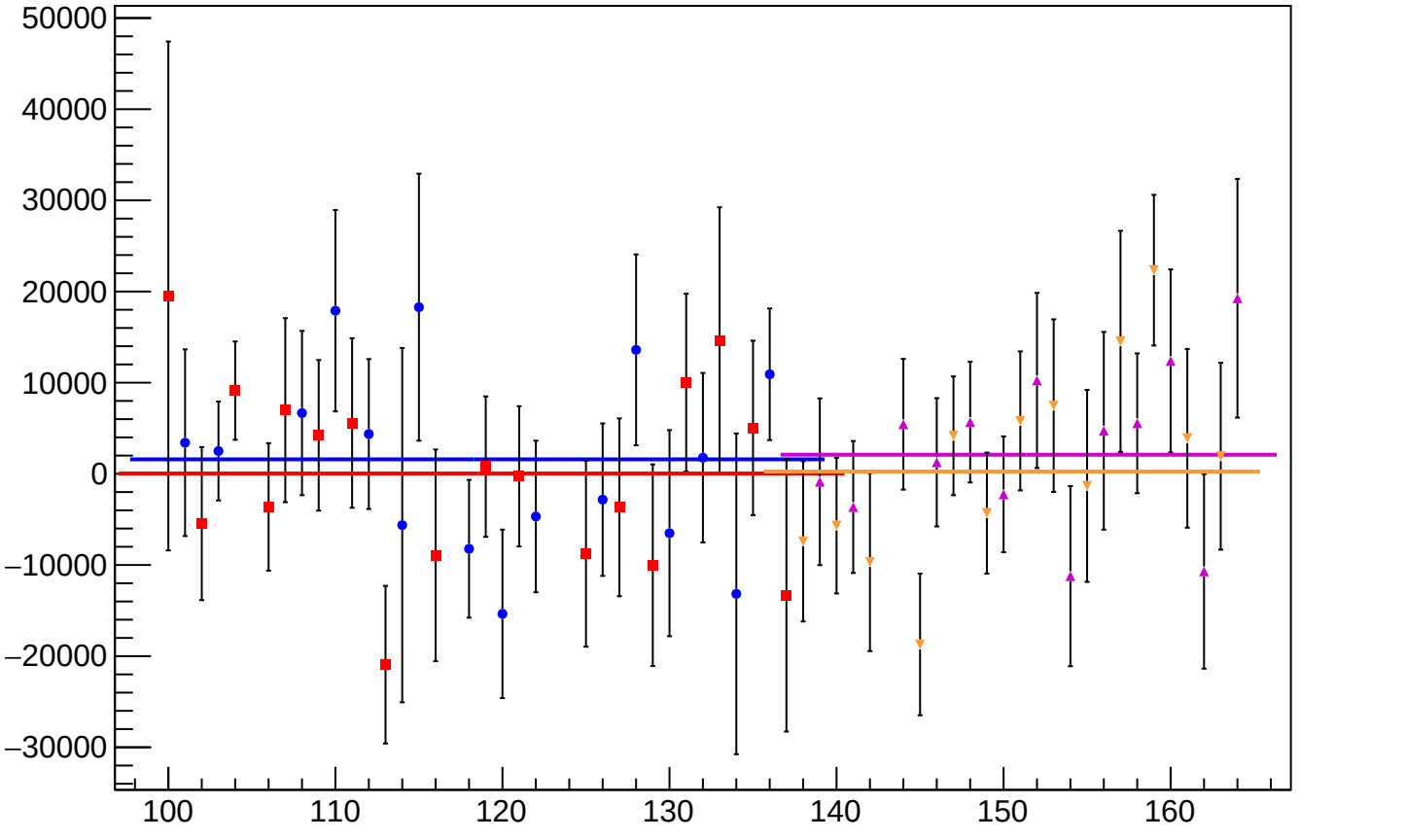
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1570.386+/-0.268 χ^2/NDF: 796705.2/28

All: 1565.527+/-0.187 χ^2/NDF: 1421427.5/59

- 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: 255.362+/-2337.584 χ^2/NDF:19.1/12

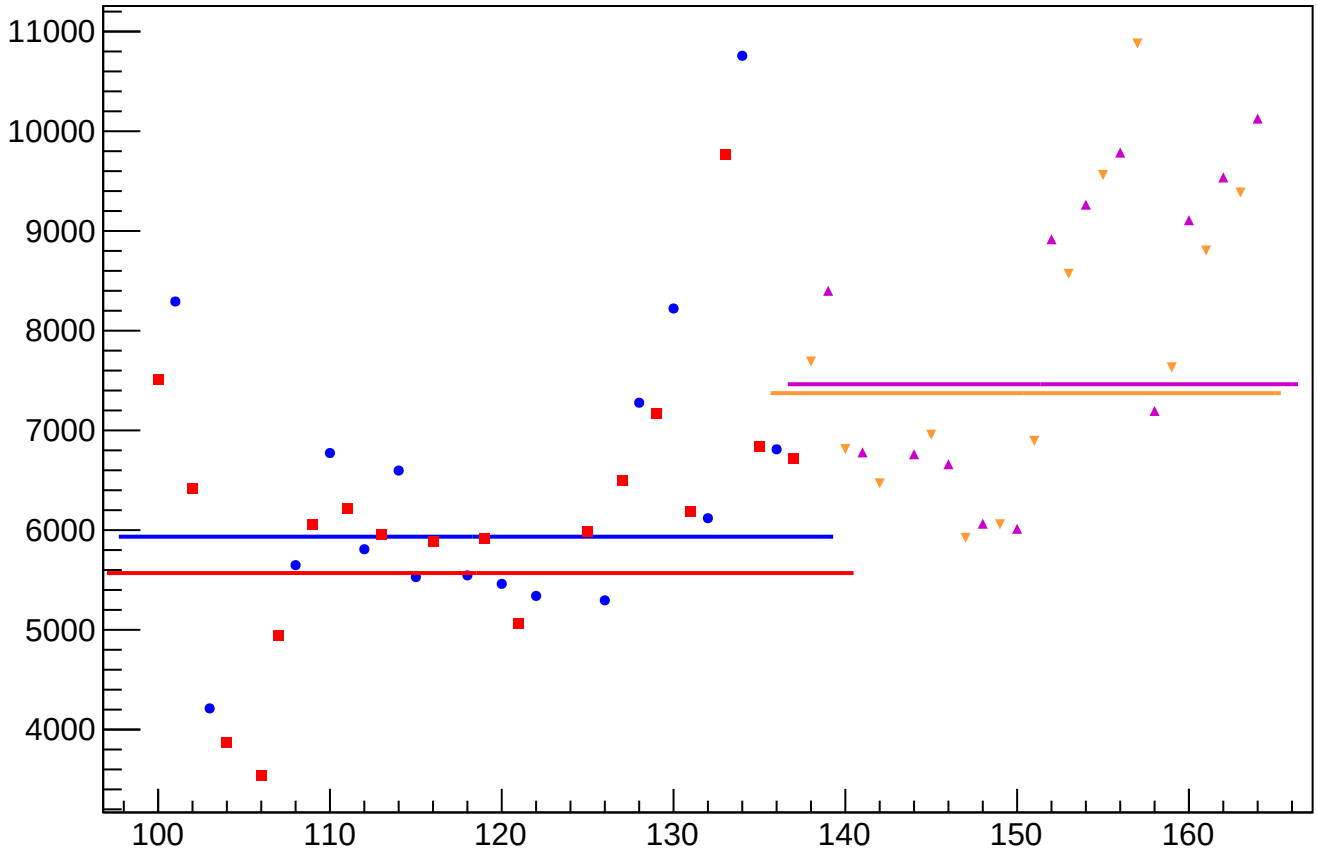
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2098.308+/-2297.721 χ^2/NDF:8.7/12

+ sign 943.247+/-1626.378 χ^2/NDF: 33.4/28

All: 969.161+/-1127.048 χ^2/NDF: 59.0/59

- 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: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

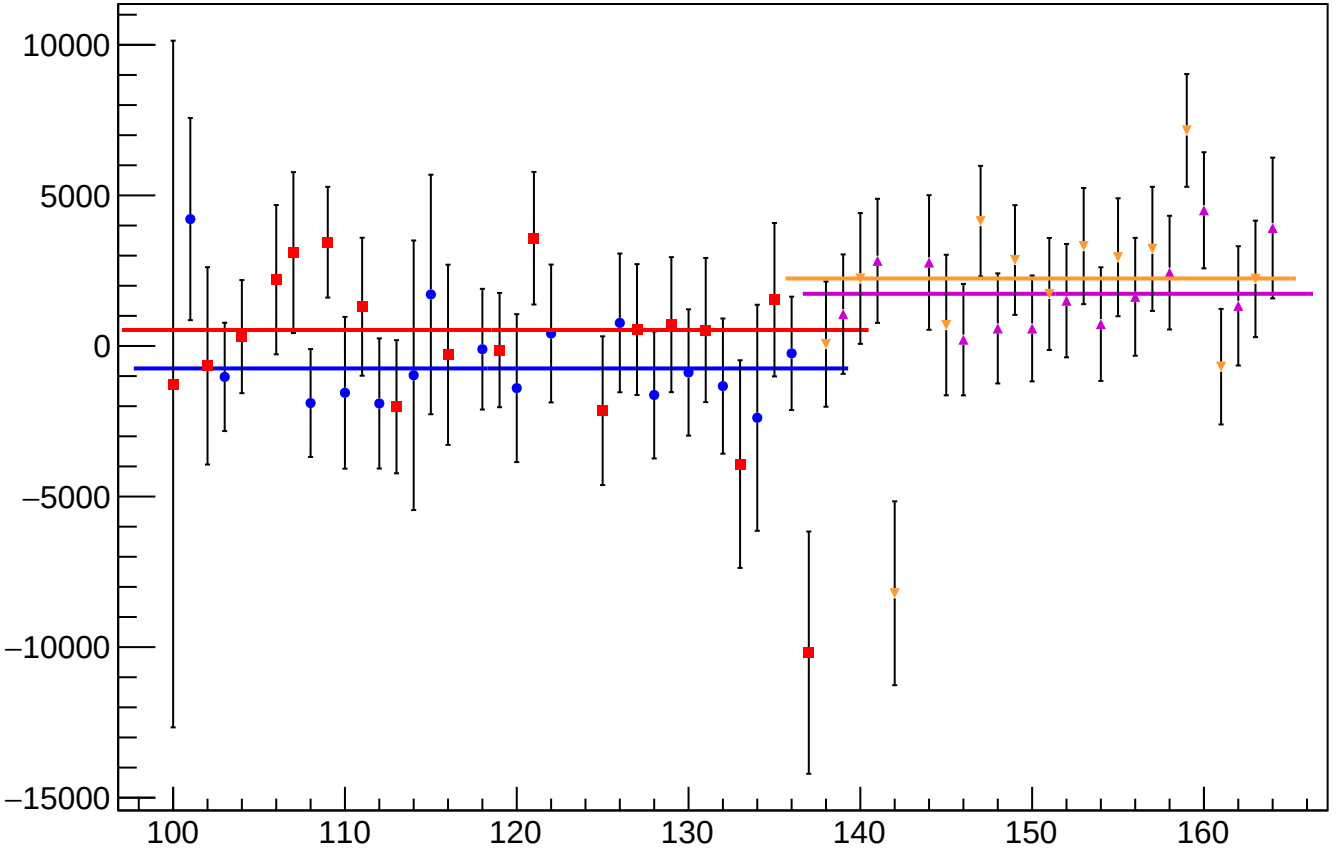
Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

+ sign 6631.018+/-1.150 χ^2/NDF: 1673910.6/28

All: 6534.866+/-0.797 χ^2/NDF: 3836566.4/59

- 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: 2241.569+/-558.070 χ^2/NDF:24.4/12

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

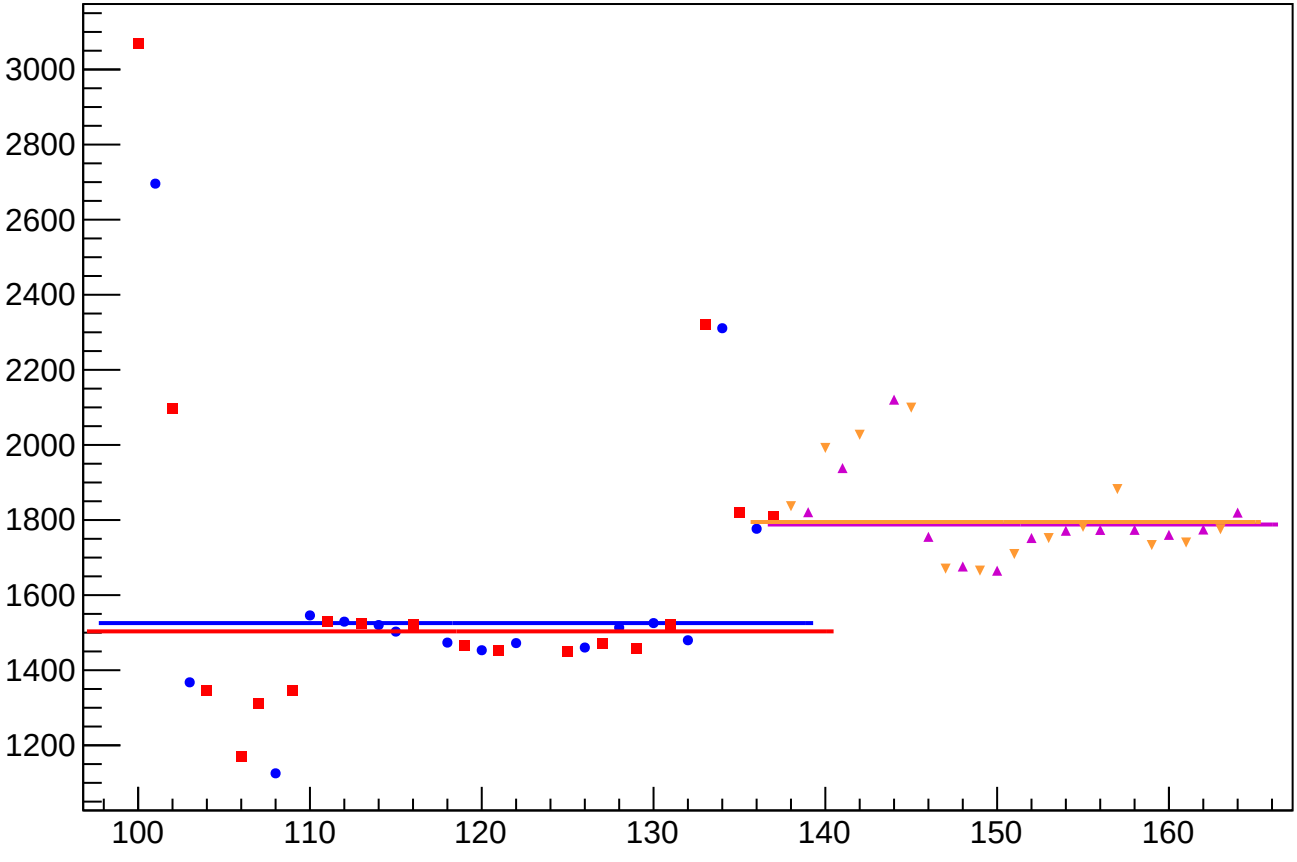
Left In: 1733.273+/-540.989 χ^2/NDF:5.5/12

+ sign 800.403+/-401.500 χ^2/NDF: 43.0/28

All: 988.153+/-281.232 χ^2/NDF: 69.0/59

- 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: 1794.765+/-0.395 χ^2/NDF:95105.3/12

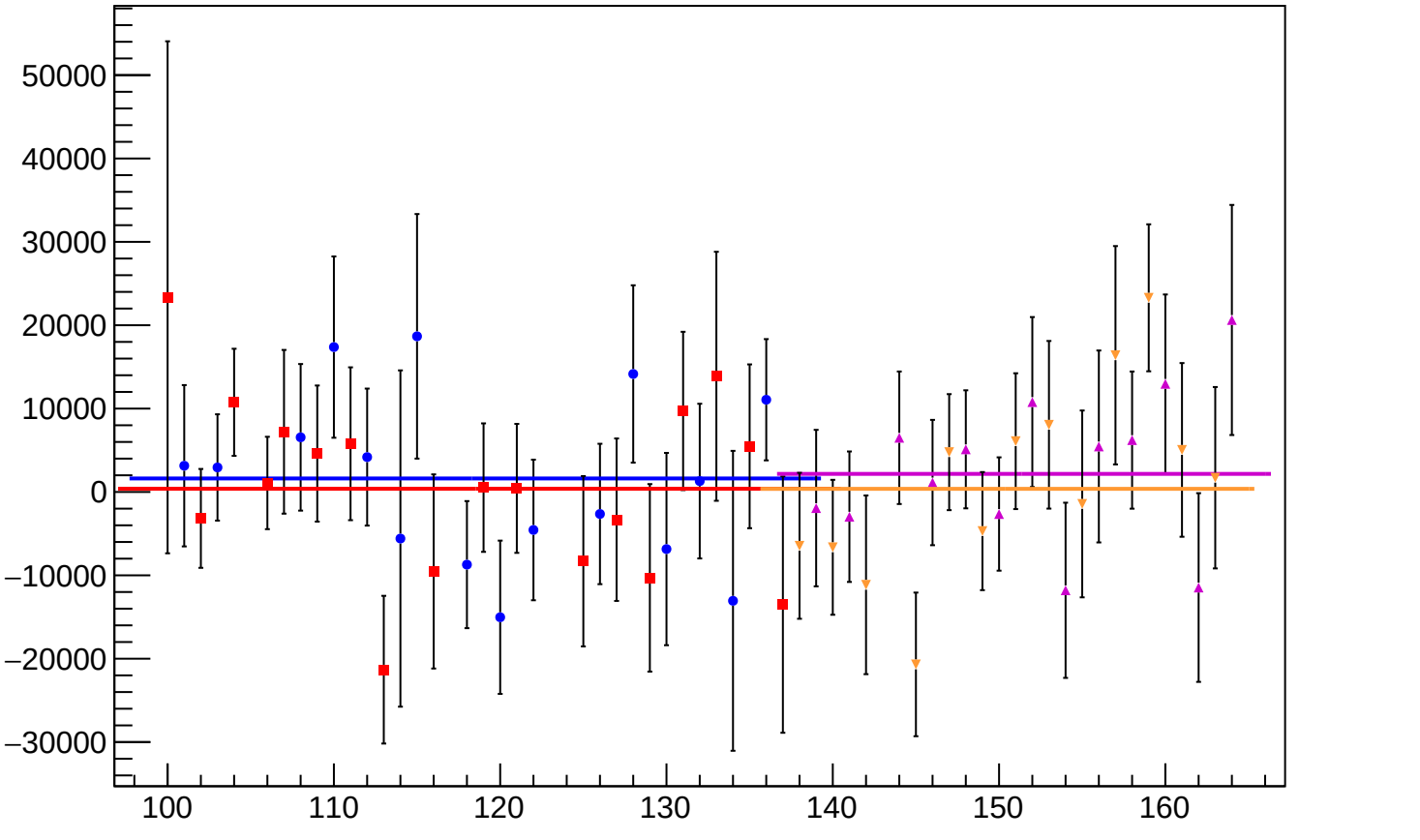
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1788.078+/-0.383 χ^2/NDF:75336.4/12

+ sign 1664.889+/-0.284 χ^2/NDF: 807980.2/28

All: 1659.551+/-0.199 χ^2/NDF: 1482523.7/59

- 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: 375.303+/-2497.043 χ^2/NDF:19.0/12

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

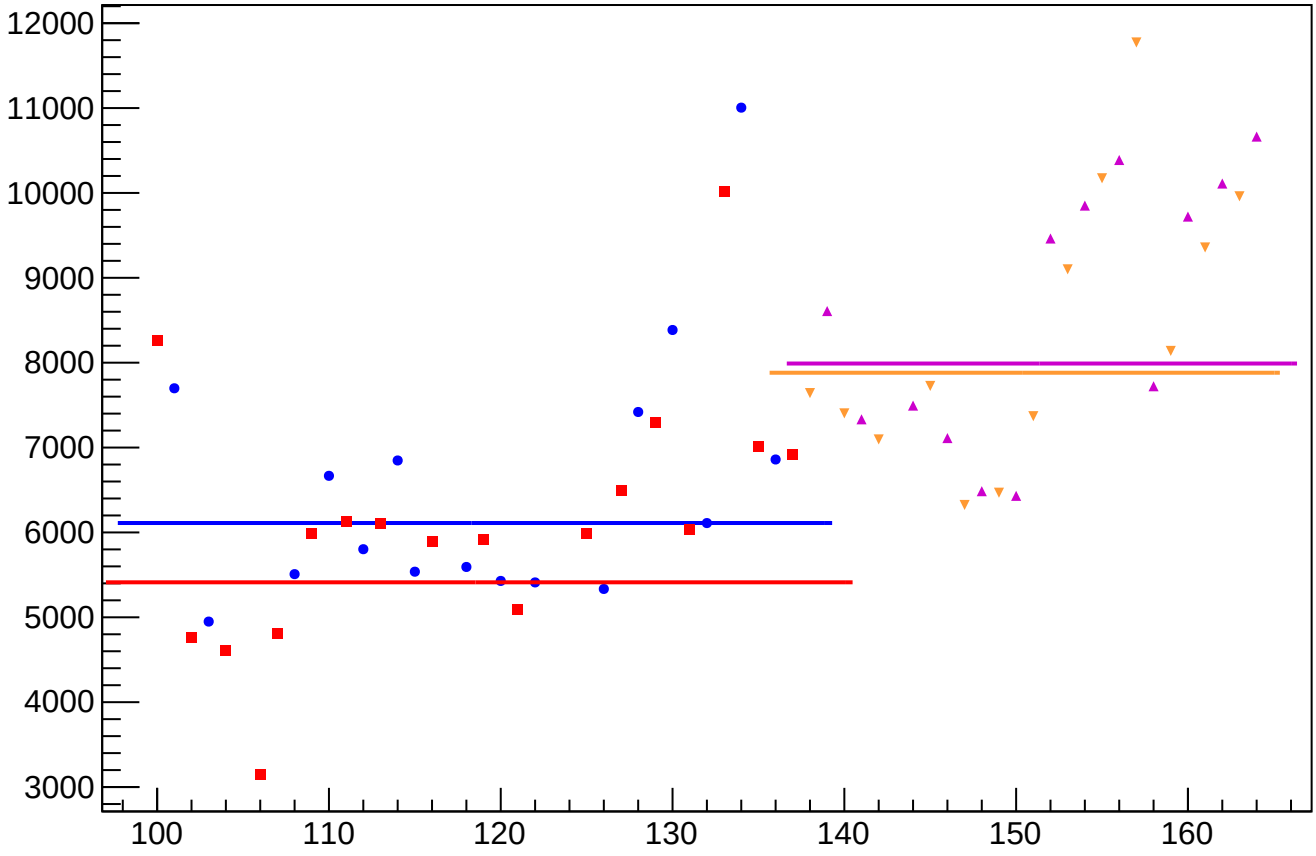
Left In: 2168.779+/-2457.567 χ^2/NDF:8.7/12

+ sign 1043.359+/-1699.646 χ^2/NDF: 33.4/28

All: 1085.584+/-1156.871 χ^2/NDF: 58.3/59

- 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: 7881.564+/-1.766 χ^2/NDF:612216.6/12

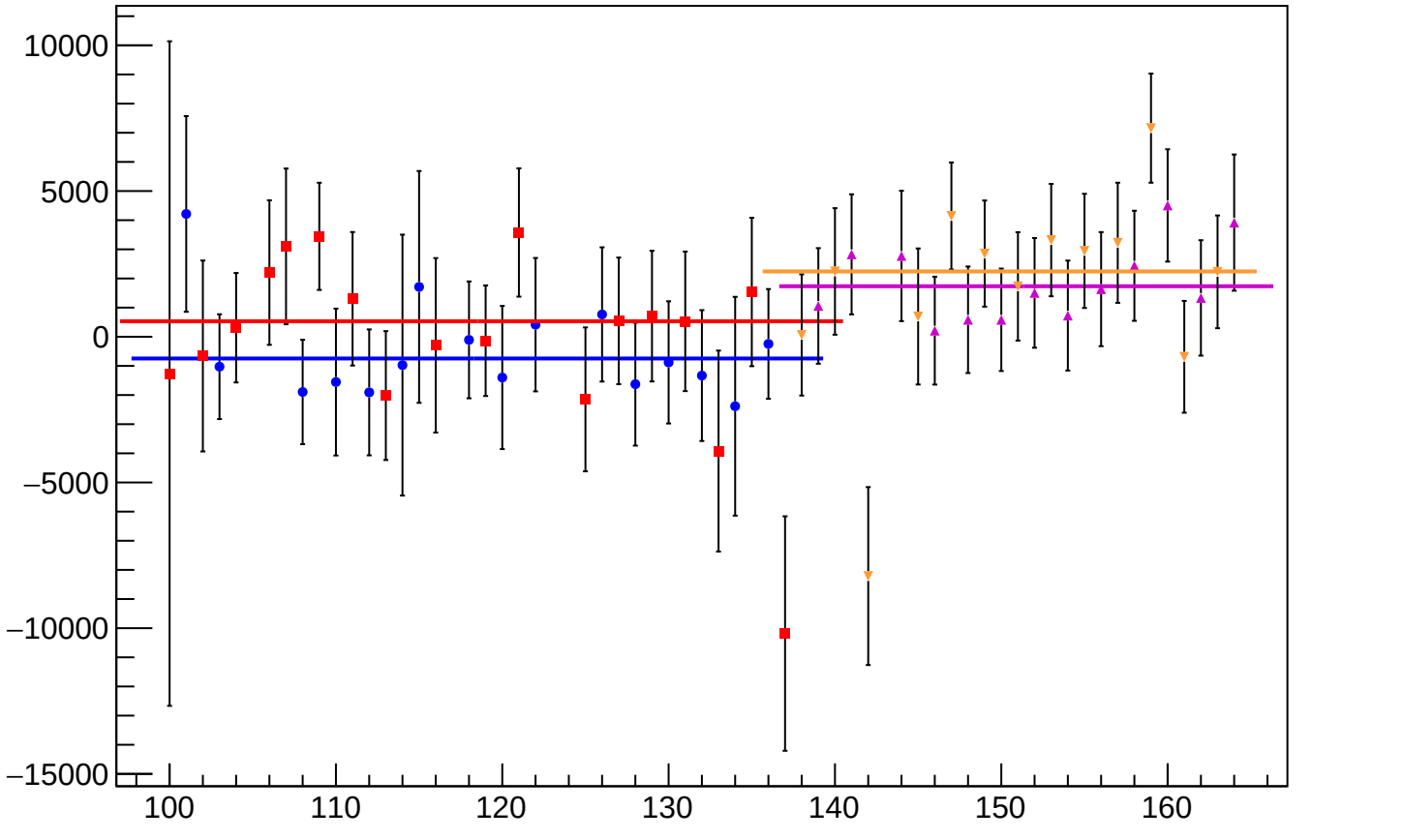
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7990.105+/-1.738 χ^2/NDF:644215.2/12

+ sign 6931.327+/-1.202 χ^2/NDF: 1623528.5/28

All: 6687.270+/-0.818 χ^2/NDF: 4458093.8/59

- 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: 2241.578+/-558.071 χ^2/NDF:24.4/12

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

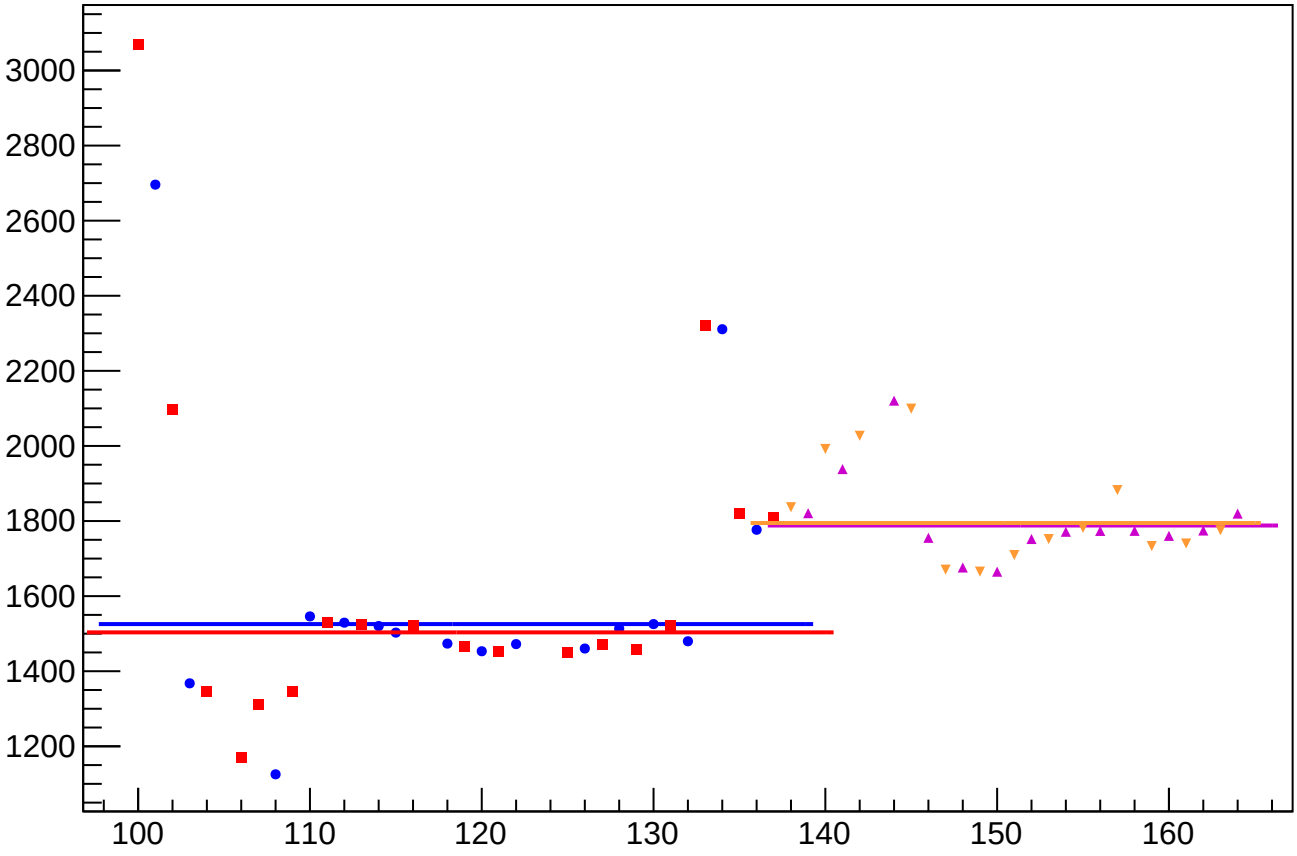
Left In: 1733.273+/-540.990 χ^2/NDF:5.5/12

+ sign 800.403+/-401.500 χ^2/NDF: 43.0/28

All: 988.155+/-281.232 χ^2/NDF: 69.0/59

- 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: 1794.769+/-0.395 χ^2/NDF:95106.0/12

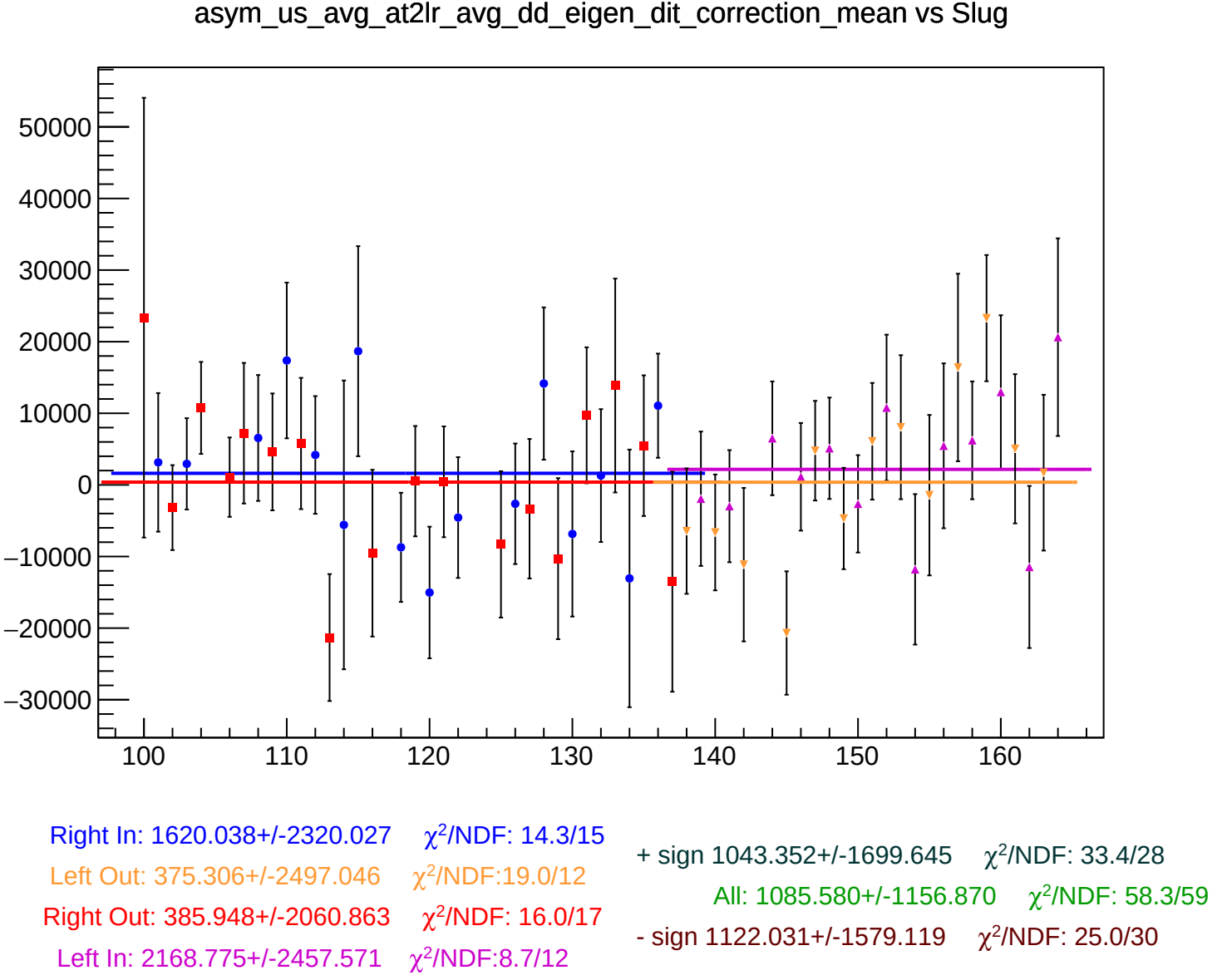
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

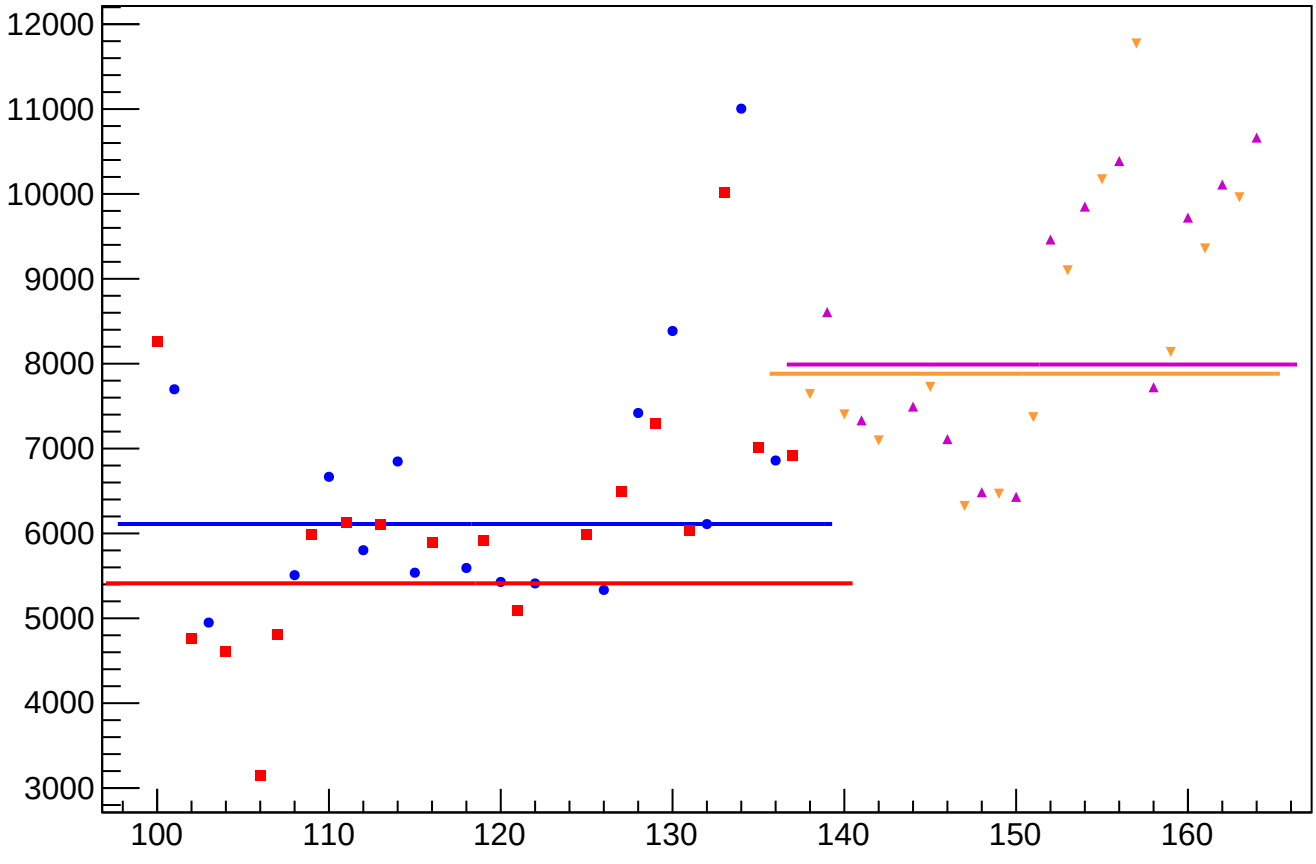
Left In: 1788.082+/-0.383 χ^2/NDF:75336.6/12

+ sign 1664.890+/-0.284 χ^2/NDF: 807985.3/28

All: 1659.552+/-0.199 χ^2/NDF: 1482534.6/59

- sign 1654.412+/-0.279 χ^2/NDF: 673855.3/30


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 375.306+/-2497.046 χ²/NDF:19.0/12
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 2168.775+/-2457.571 χ²/NDF:8.7/12
+ sign 1043.352+/-1699.645 χ²/NDF: 33.4/28
All: 1085.580+/-1156.870 χ²/NDF: 58.3/59
- sign 1122.031+/-1579.119 χ²/NDF: 25.0/30



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7881.574+/-1.766 χ^2/NDF:612218.0/12

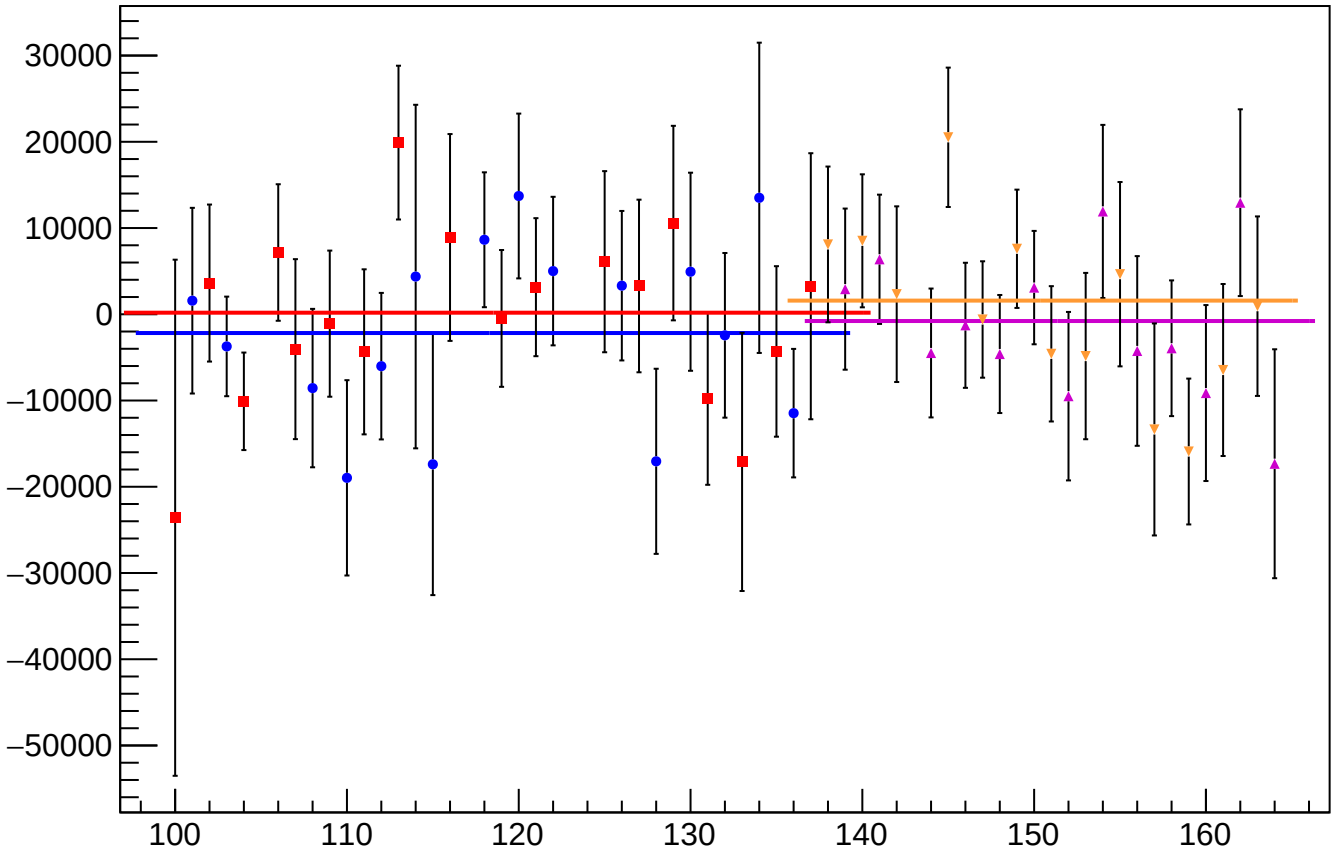
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7990.115+/-1.738 χ^2/NDF:644217.0/12

+ sign 6931.322+/-1.202 χ^2/NDF: 1623546.8/28

All: 6687.264+/-0.818 χ^2/NDF: 4458136.1/59

- sign 6476.592+/-1.117 χ^2/NDF: 2757754.3/30



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1585.959+/-2405.028 χ^2/NDF:15.3/12

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

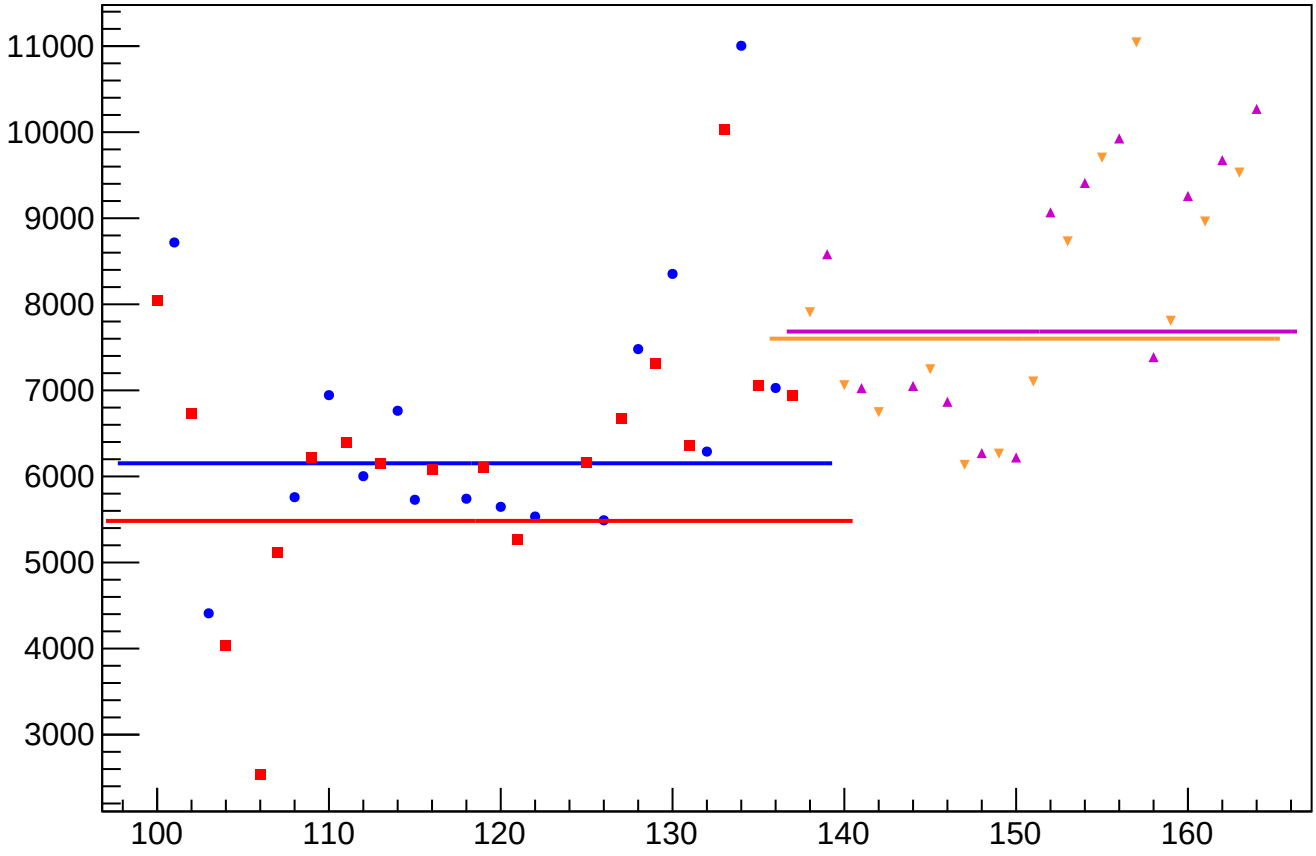
Left In: -782.090+/-2361.462 χ^2/NDF:8.5/12

+ sign -339.420+/-1679.963 χ^2/NDF: 31.1/28

All: -304.193+/-1166.472 χ^2/NDF: 54.3/59

- 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: 7600.956+/-1.701 χ^2/NDF:577425.8/12

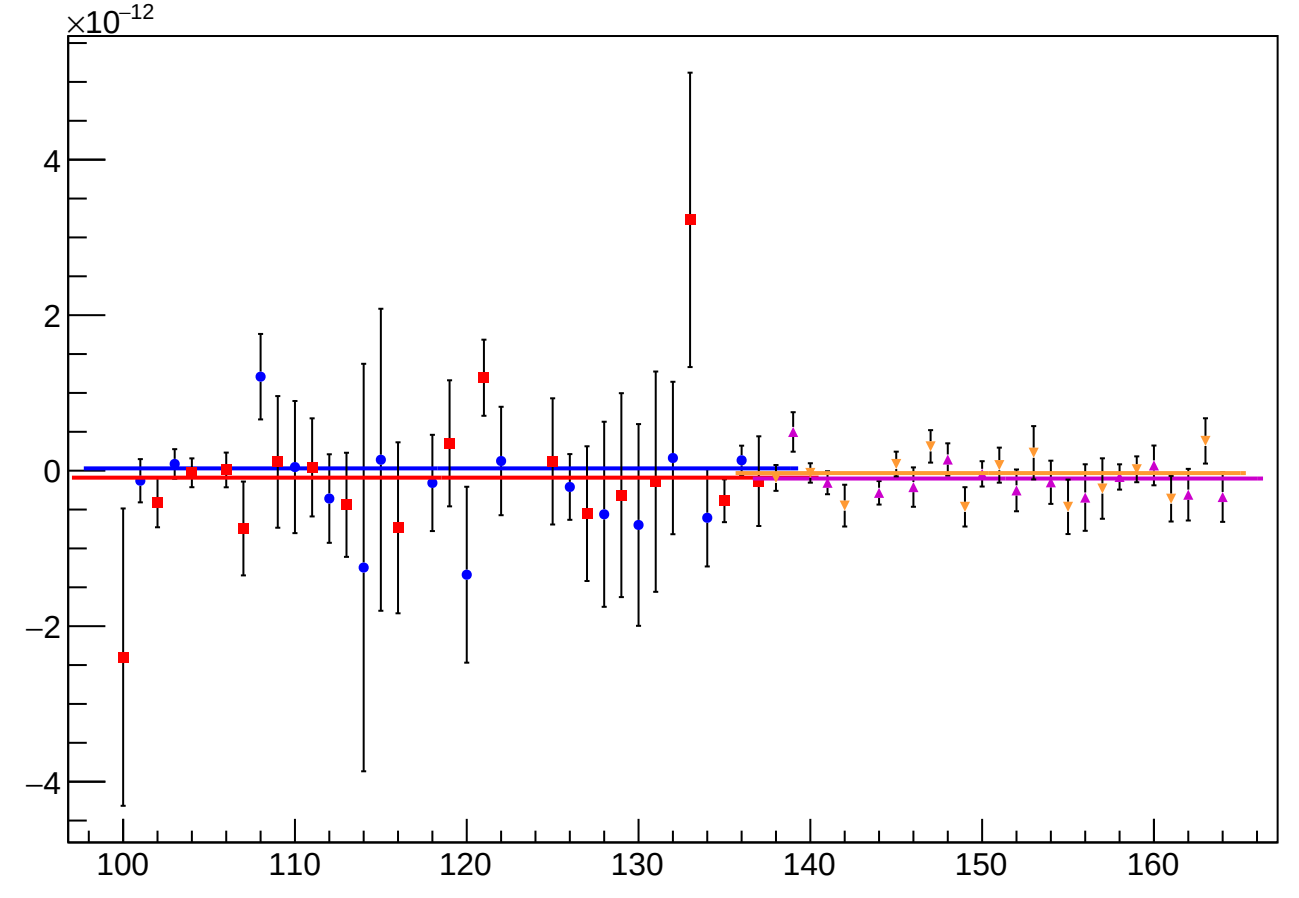
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7683.443+/-1.670 χ^2/NDF:634654.7/12

+ sign 6859.341+/-1.188 χ^2/NDF: 1572831.1/28

All: 6659.111+/-0.816 χ^2/NDF: 4359705.9/59

- 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:14.7/12

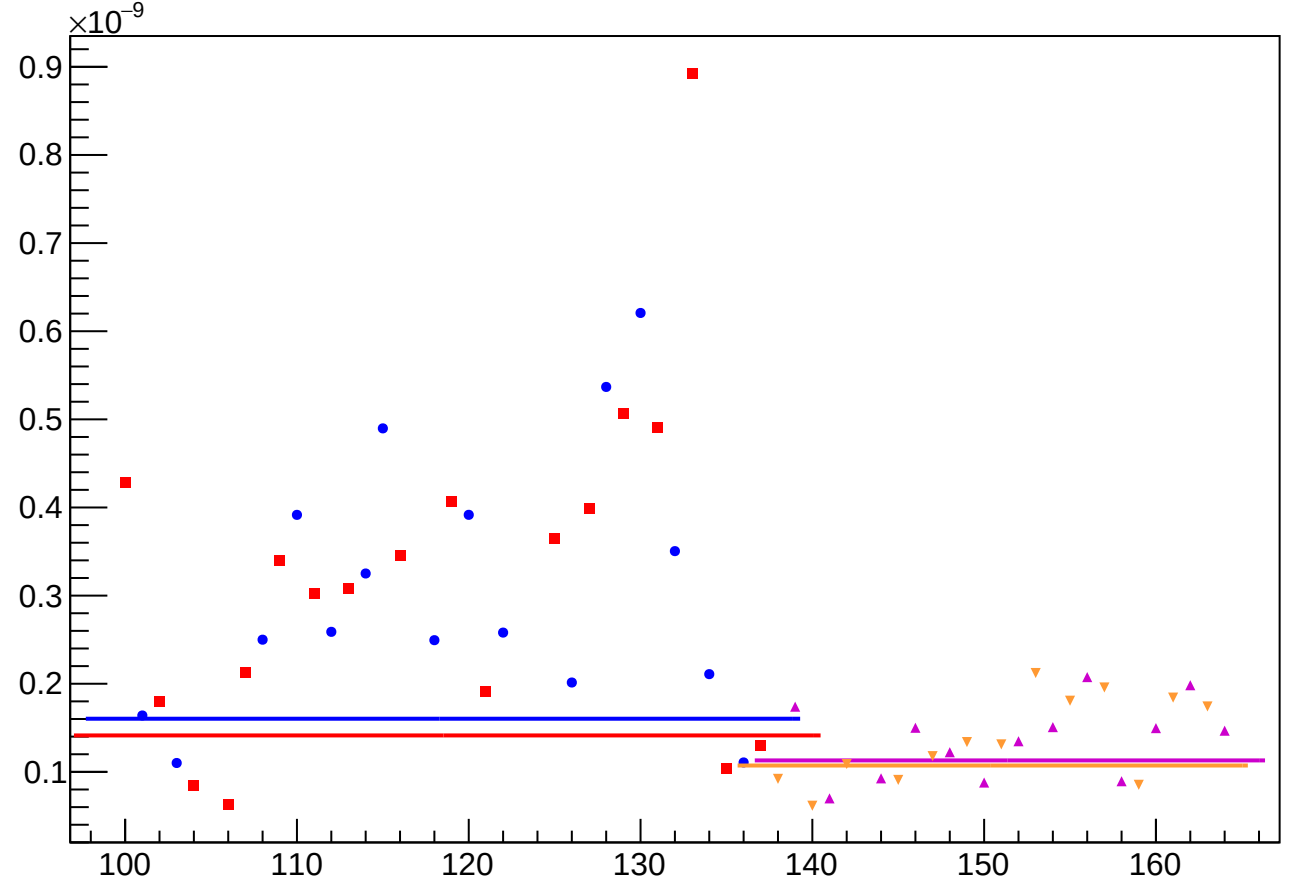
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/28

All: -0.000+/-0.000 χ^2/NDF: 53.2/59

- 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:1012992.9/12

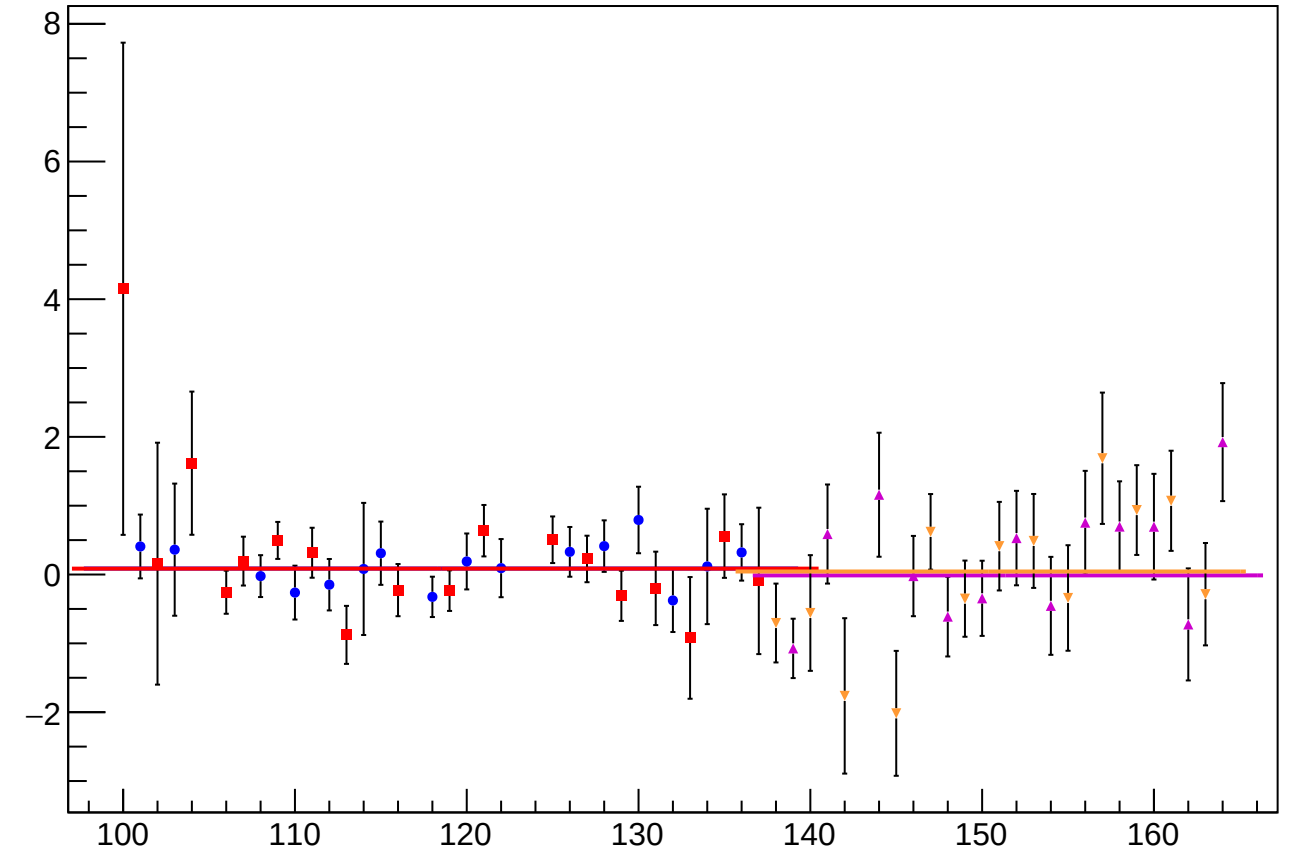
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:801197.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2741153.4/28

All: 0.000+/-0.000 χ^2/NDF: 5822906.1/59

- 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: 0.044+/-0.194 χ^2/NDF:19.6/12

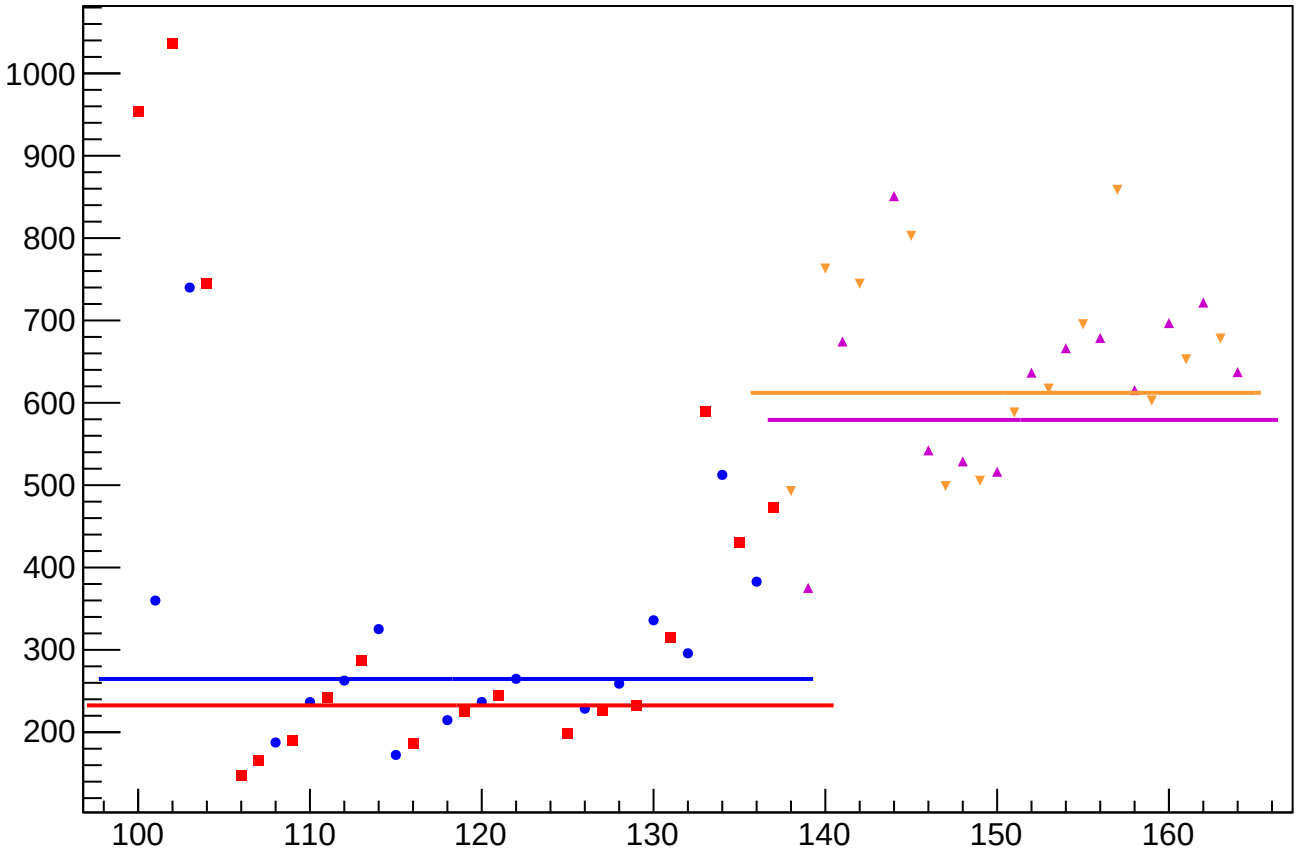
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

\+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.070+/-0.063 χ^2/NDF: 70.3/59

\- sign 0.064+/-0.086 χ^2/NDF: 41.9/30


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
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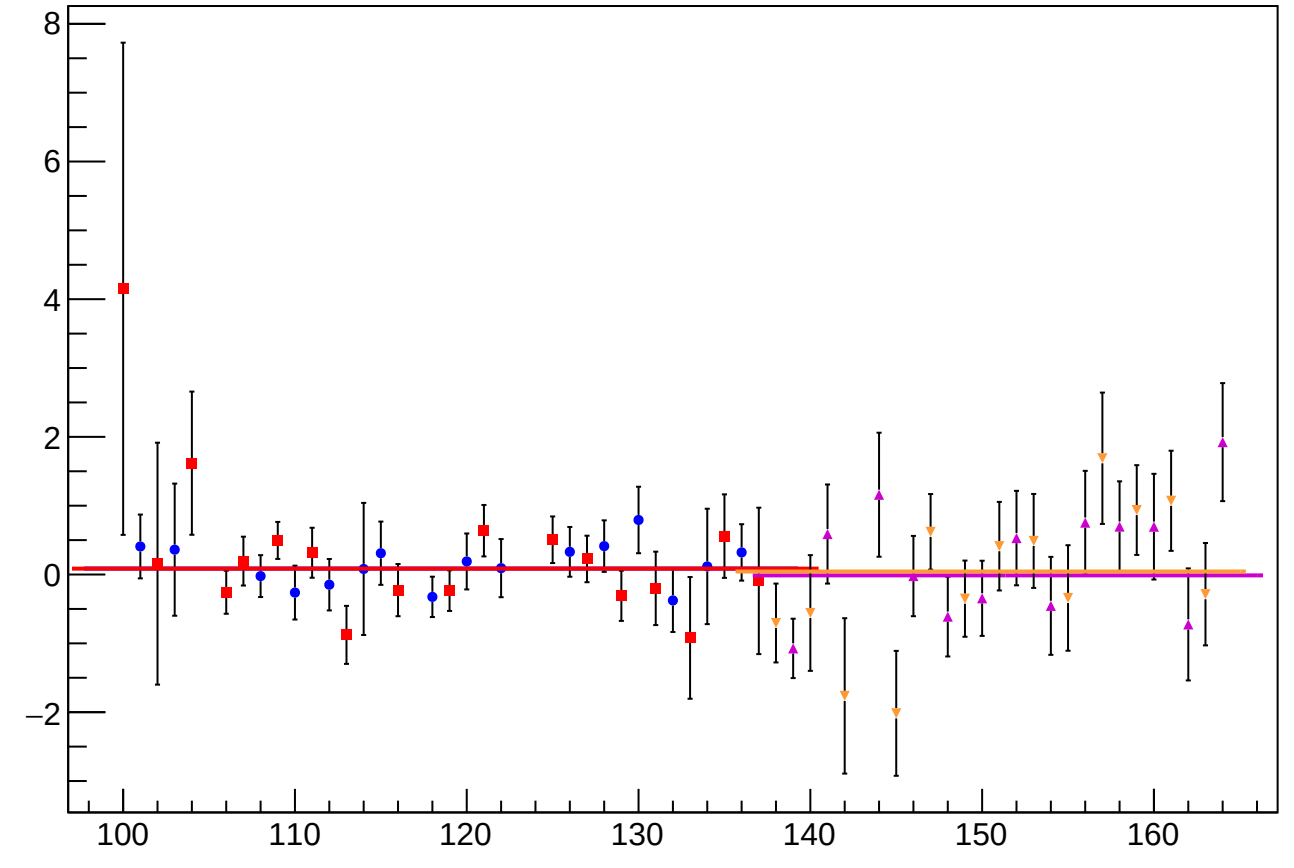
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 612.152+/-0.137 χ²/NDF:608943.0/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 579.222+/-0.128 χ²/NDF:916594.9/12
+ sign 343.229+/-0.065 χ²/NDF: 6837828.1/28
All: 325.595+/-0.044 χ²/NDF: 15617803.8/59
- sign 310.433+/-0.061 χ²/NDF: 8644609.9/30



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

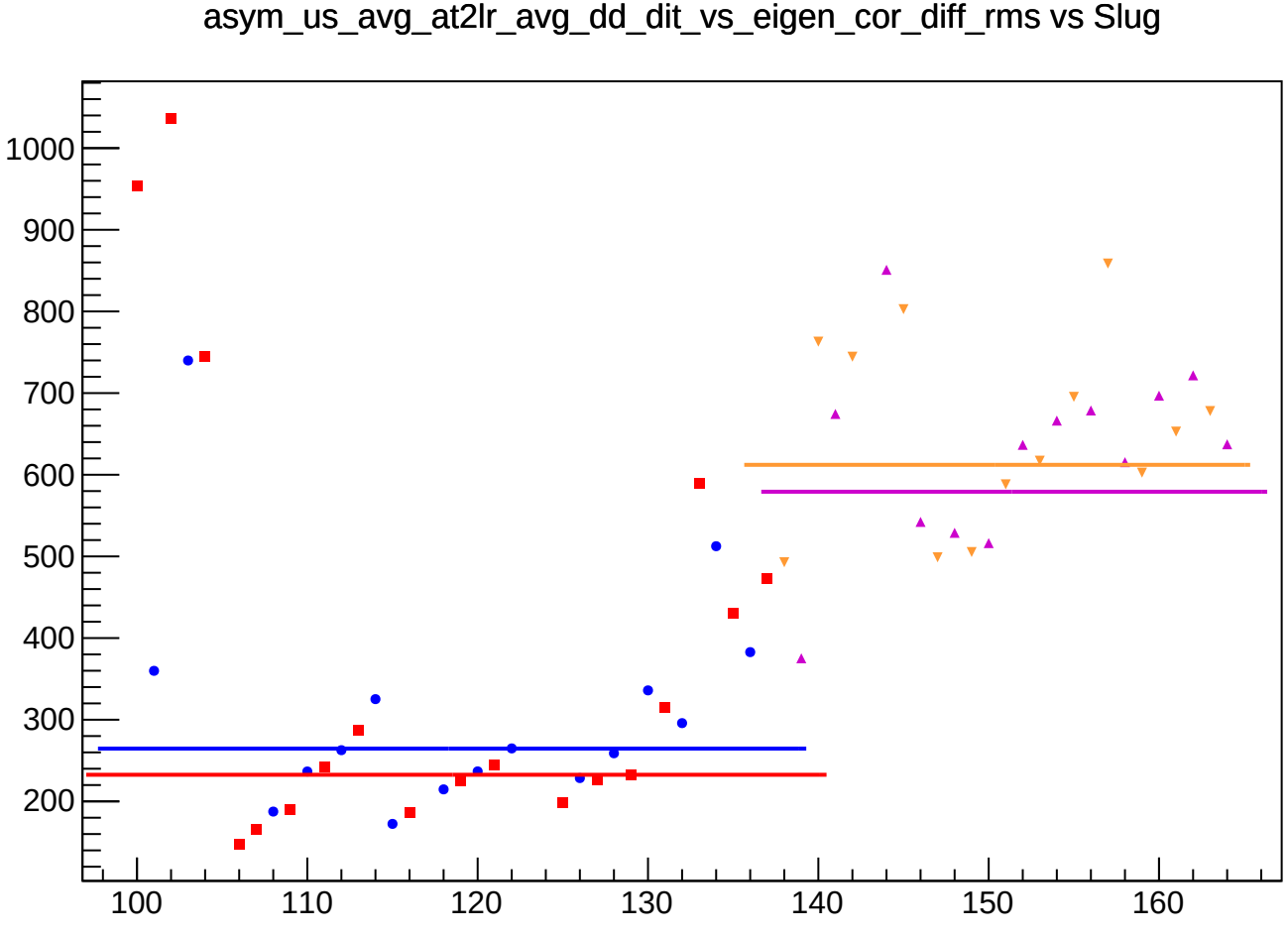
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.070+/-0.063 χ^2/NDF: 70.3/59

- 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
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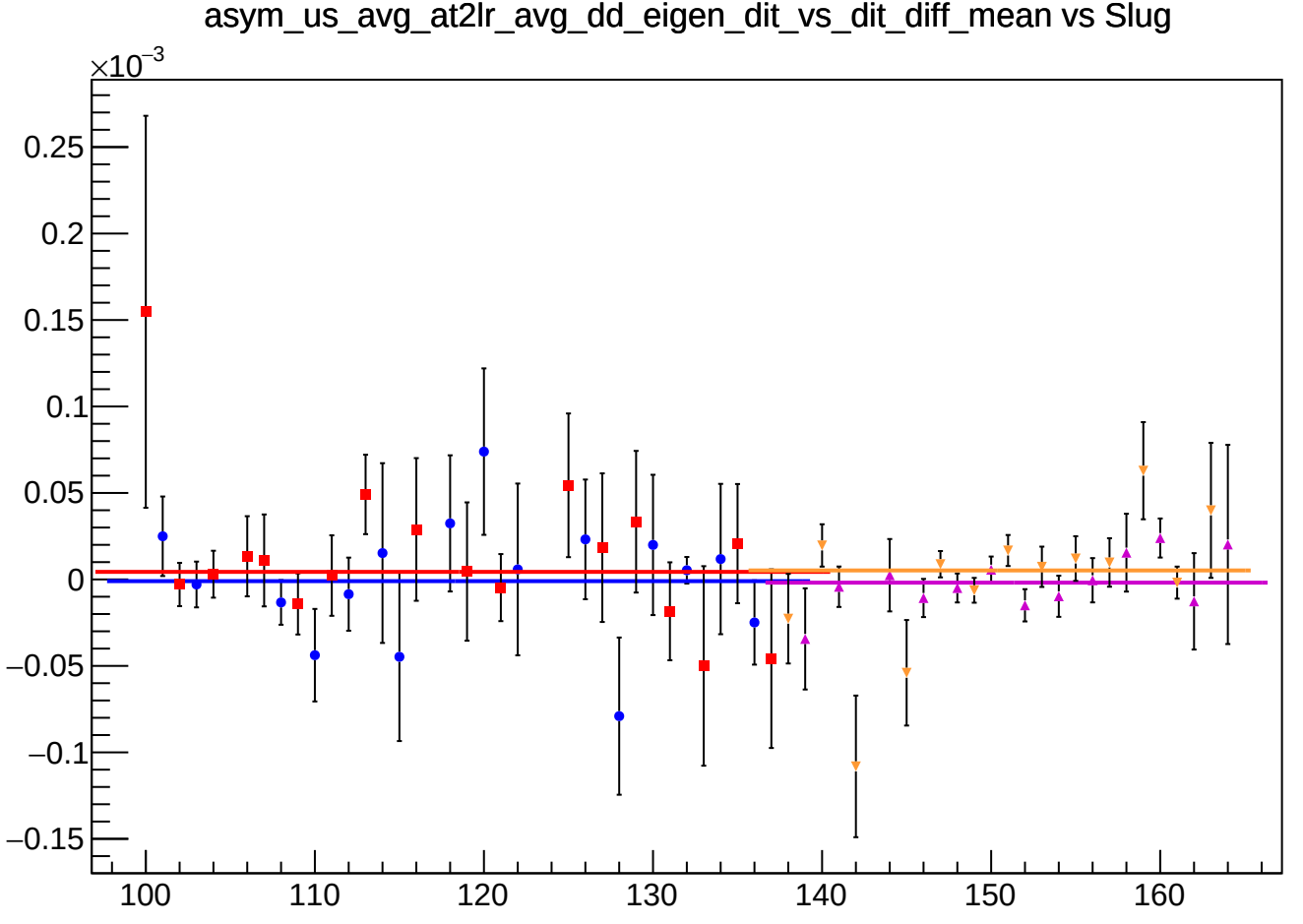
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 612.152+/-0.137 χ²/NDF:608943.0/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 579.222+/-0.128 χ²/NDF:916594.9/12
+ sign 343.229+/-0.065 χ²/NDF: 6837828.1/28
All: 325.595+/-0.044 χ²/NDF: 15617803.8/59
- sign 310.433+/-0.061 χ²/NDF: 8644609.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/12

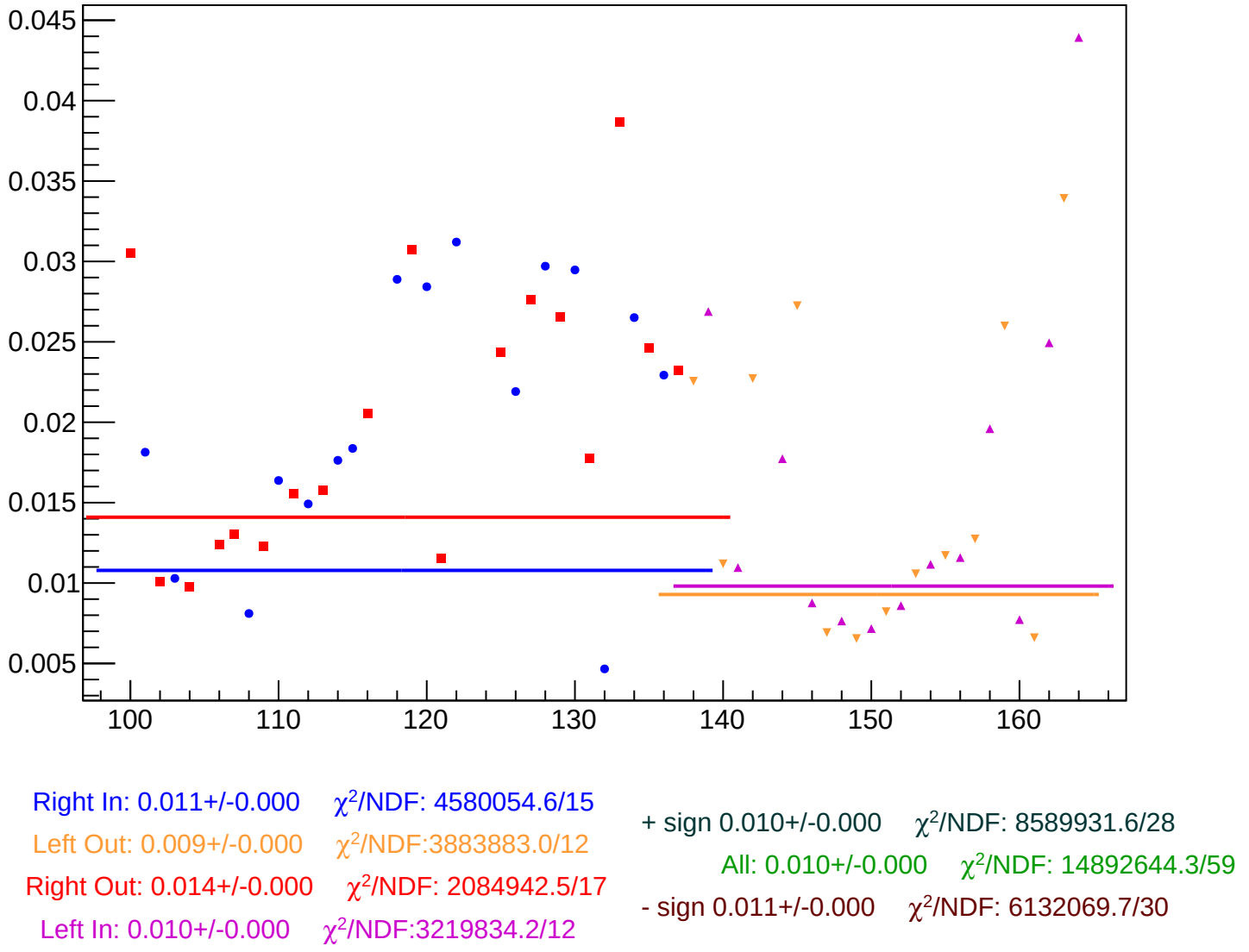
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:11.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/28

All: 0.000+/-0.000 χ^2/NDF: 65.7/59

- 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
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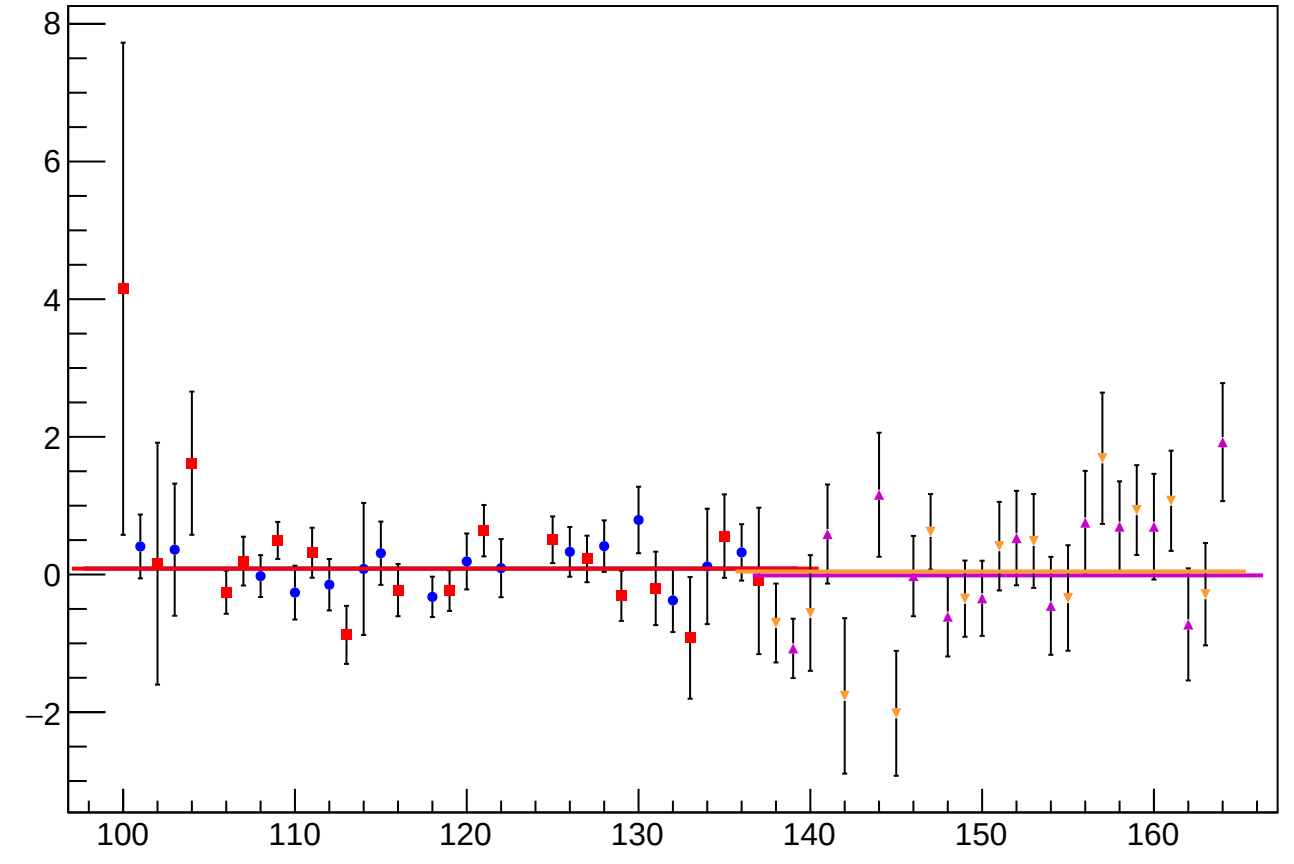
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.009+/-0.000 χ²/NDF:3883883.0/12
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:3219834.2/12
+ sign 0.010+/-0.000 χ²/NDF: 8589931.6/28
All: 0.010+/-0.000 χ²/NDF: 14892644.3/59
- sign 0.011+/-0.000 χ²/NDF: 6132069.7/30



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

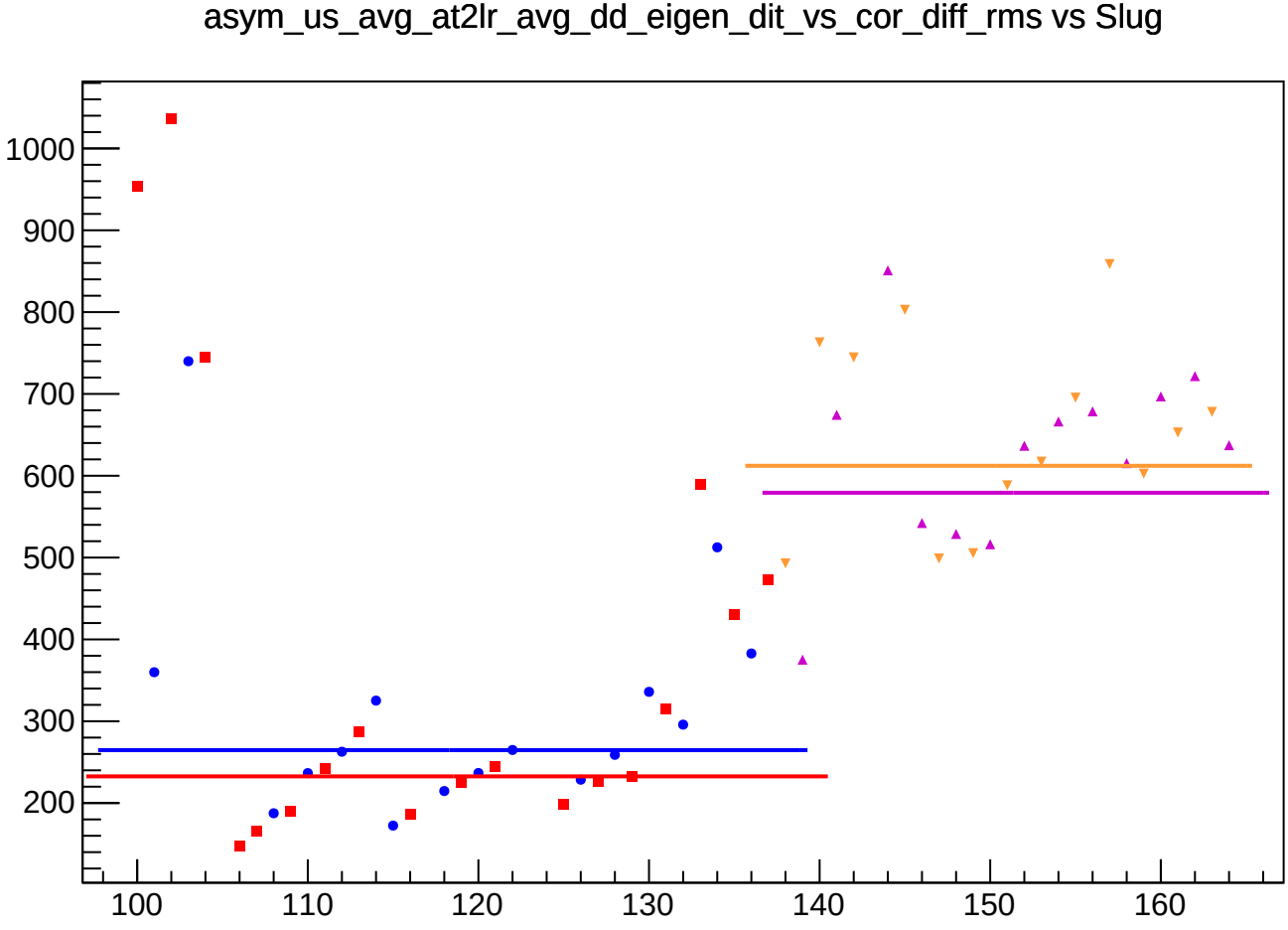
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.070+/-0.063 χ^2/NDF: 70.4/59

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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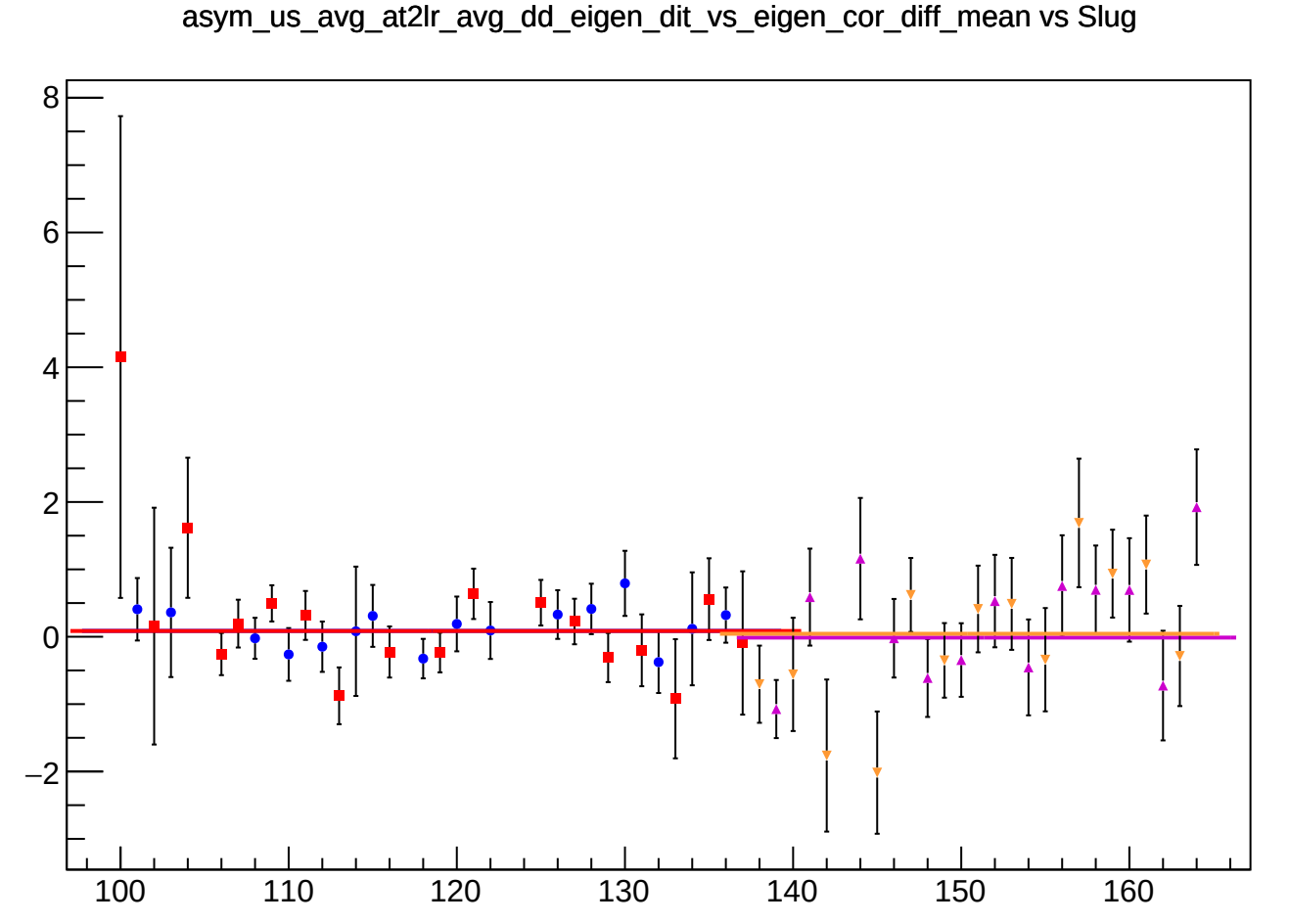
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 612.160+/-0.137 χ²/NDF:608956.7/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 579.230+/-0.128 χ²/NDF:916574.2/12
+ sign 343.229+/-0.065 χ²/NDF: 6837941.9/28
All: 325.595+/-0.044 χ²/NDF: 15618010.7/59
- sign 310.433+/-0.061 χ²/NDF: 8644713.1/30



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

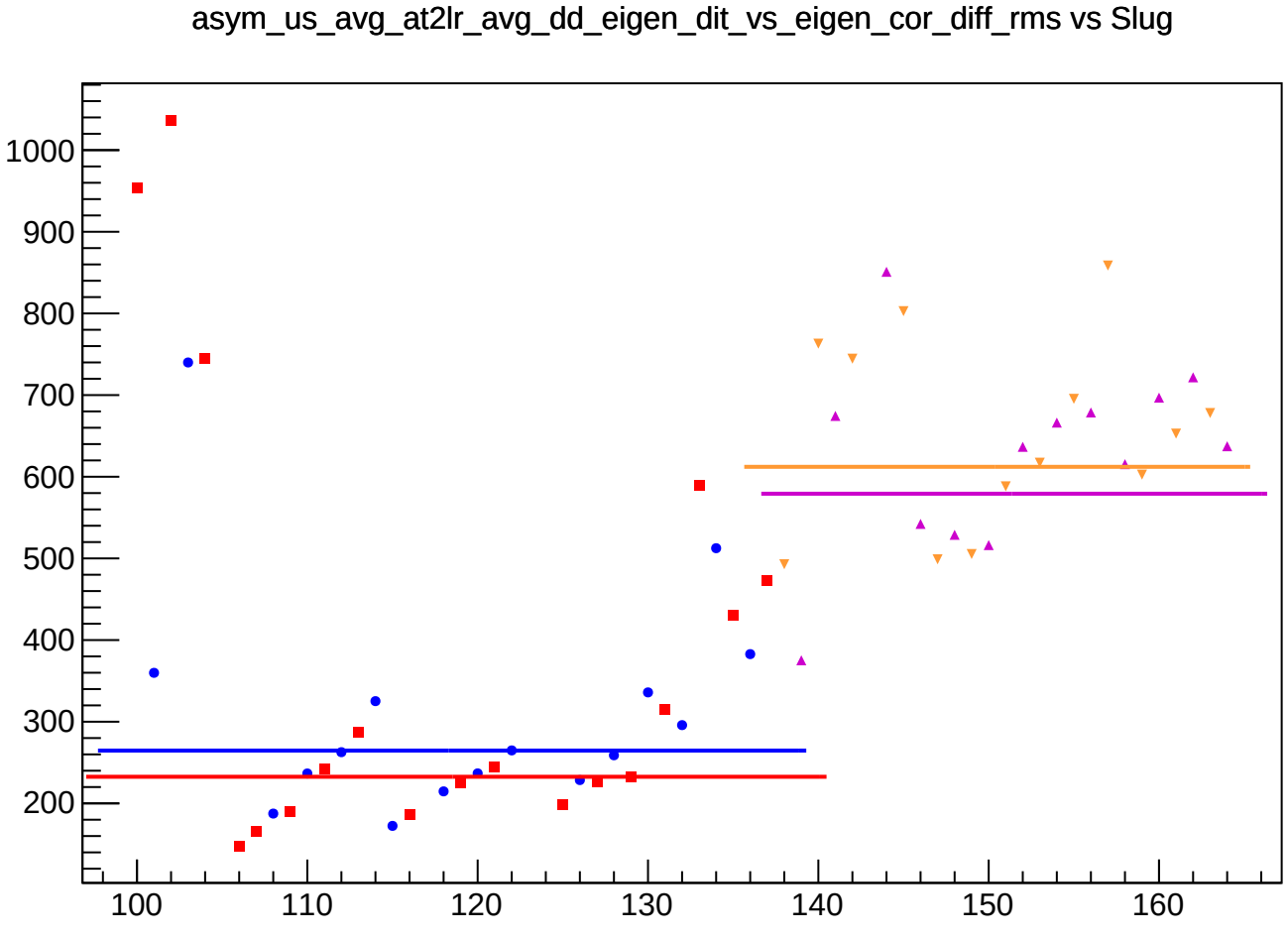
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.070+/-0.063 χ^2/NDF: 70.4/59

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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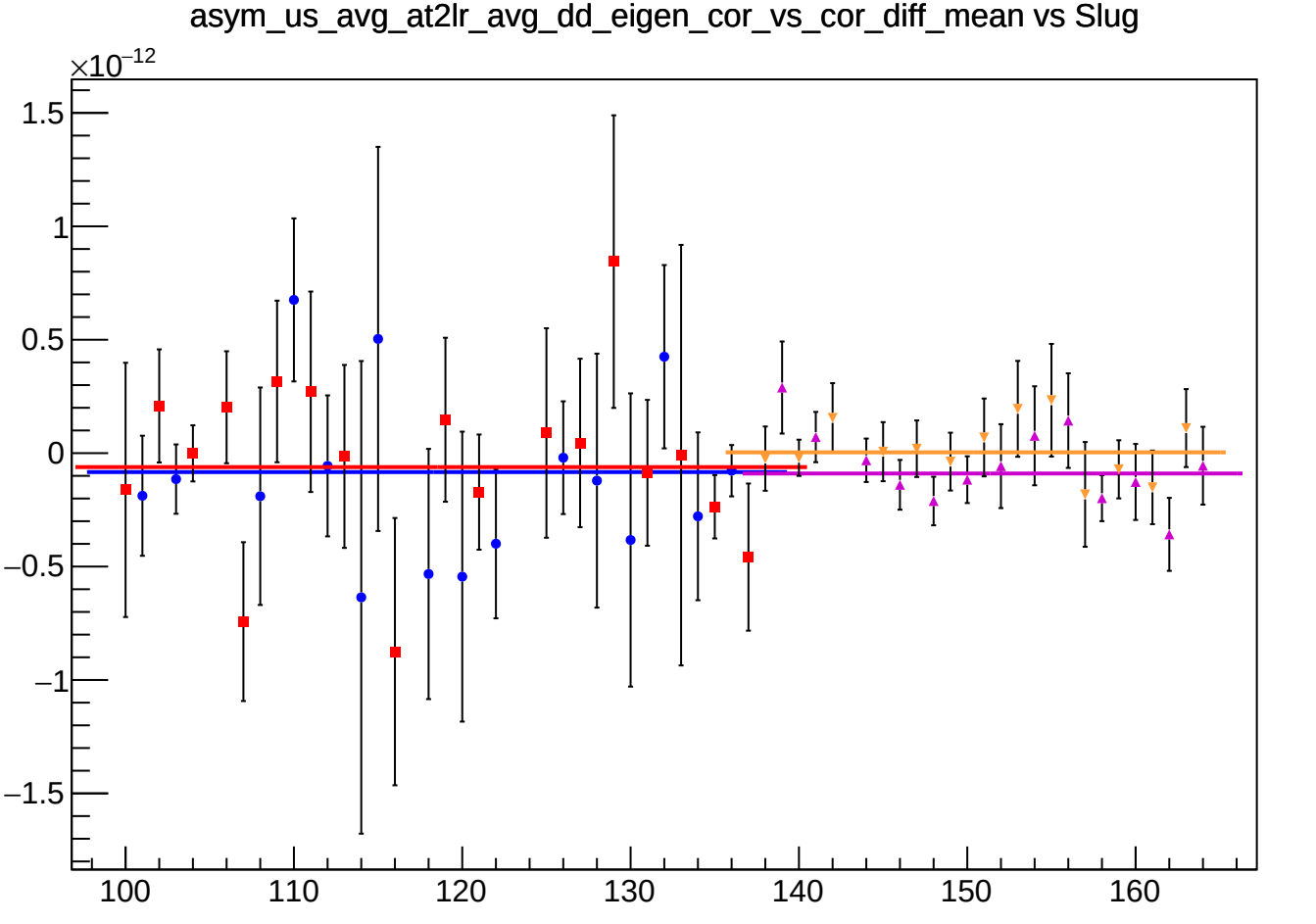
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 612.160+/-0.137 χ²/NDF:608956.7/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 579.230+/-0.128 χ²/NDF:916574.2/12
+ sign 343.229+/-0.065 χ²/NDF: 6837941.9/28
All: 325.595+/-0.044 χ²/NDF: 15618010.7/59
- sign 310.433+/-0.061 χ²/NDF: 8644713.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/12

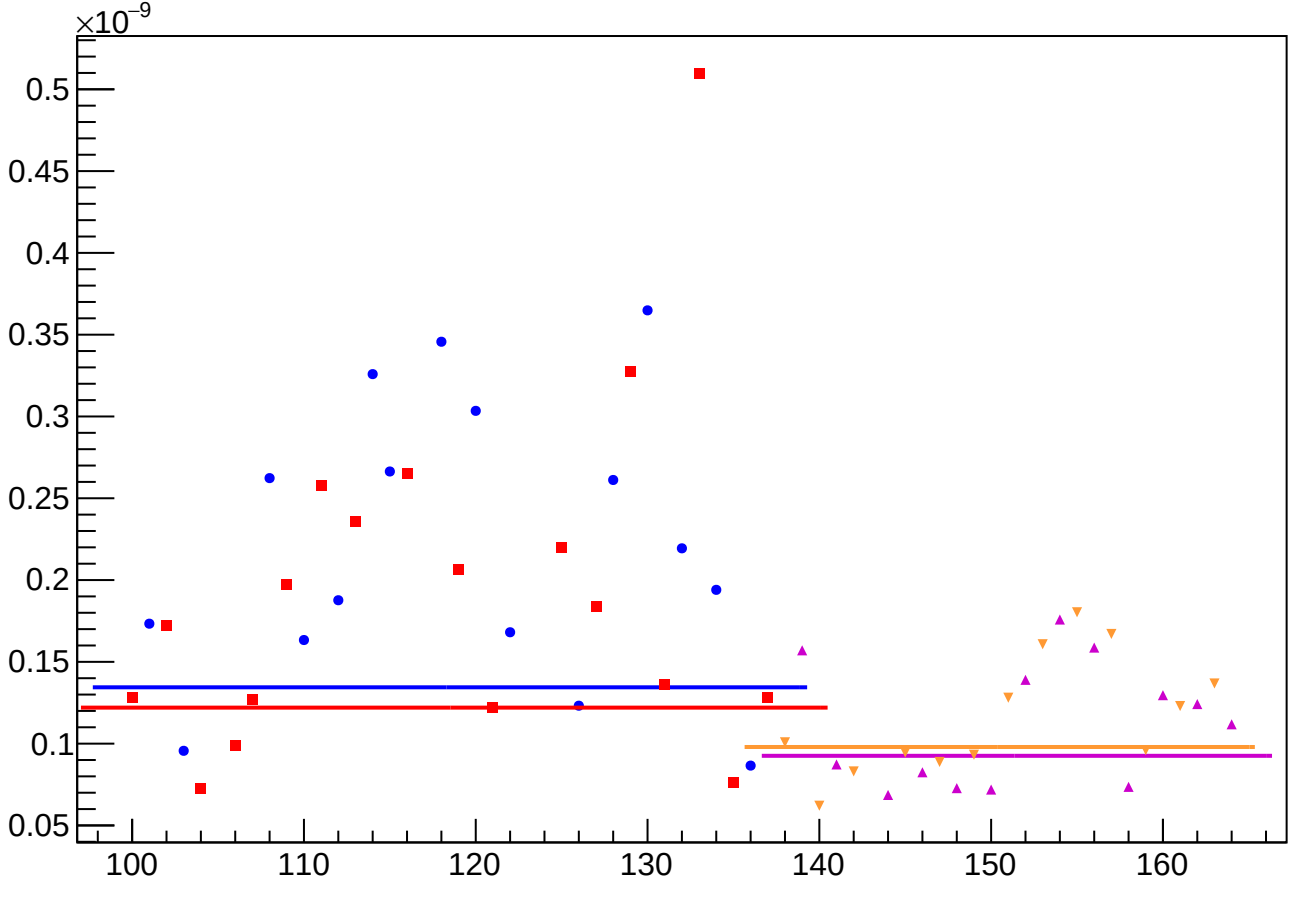
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/28

All: -0.000+/-0.000 χ^2/NDF: 47.5/59

- 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:1226704.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

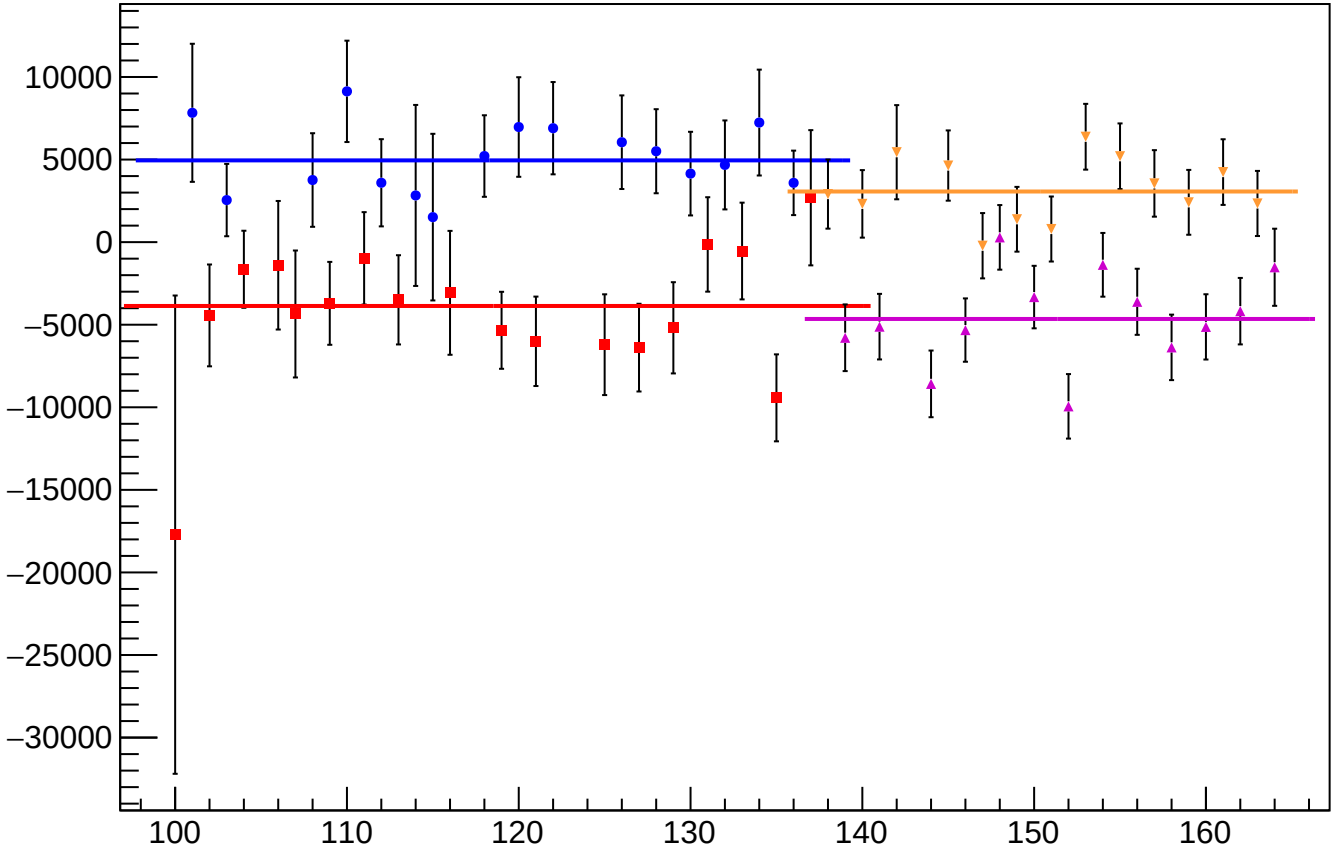
Left In: 0.000+/-0.000 χ^2/NDF:1385796.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3465556.2/28

All: 0.000+/-0.000 χ^2/NDF: 7218555.6/59

- 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: 3066.132+/-567.307 χ^2/NDF:10.8/12

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

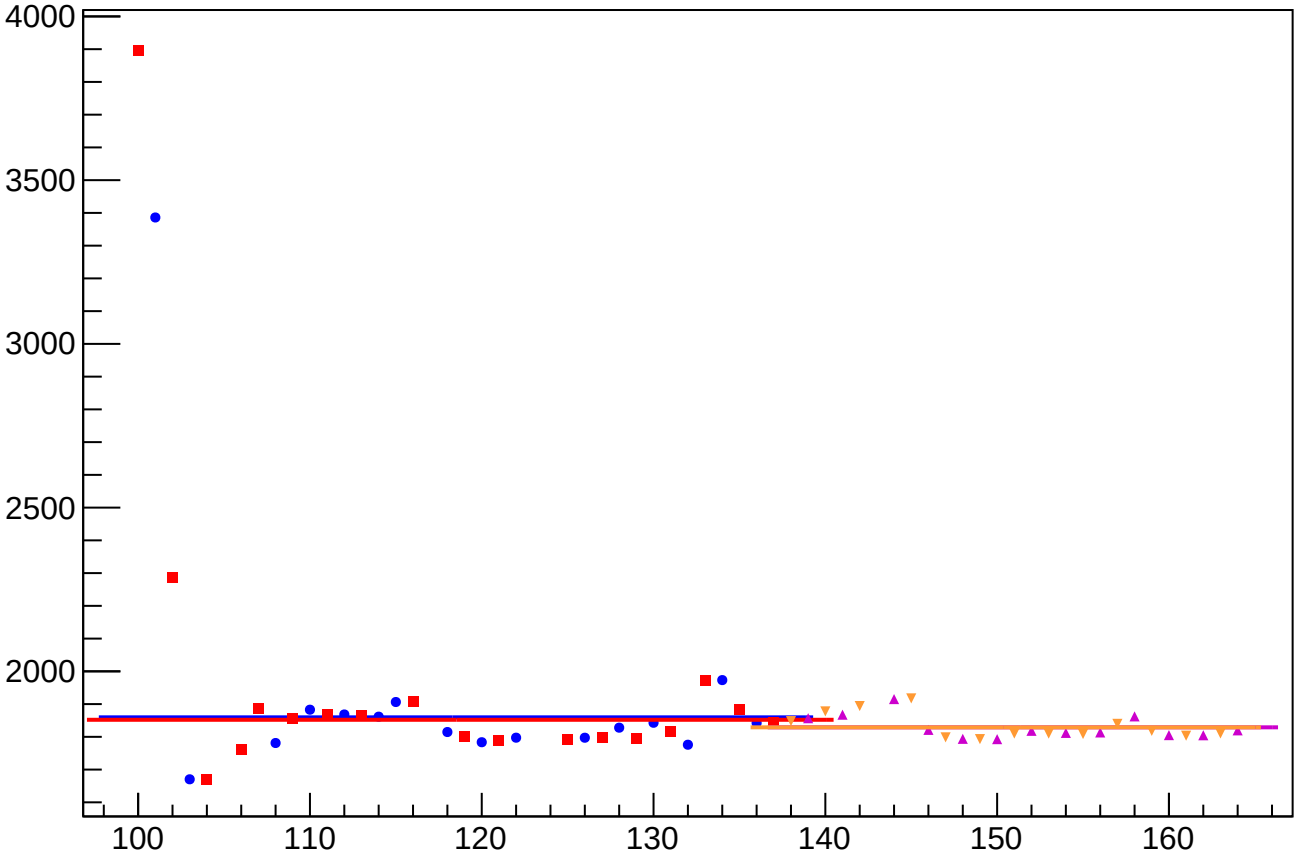
Left In: -4651.709+/-552.325 χ^2/NDF:24.3/12

+ sign 3814.454+/-440.474 χ^2/NDF: 22.0/28

All: -340.257+/-308.638 χ^2/NDF: 238.1/59

- 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: 1828.993+/-0.401 χ^2/NDF:8152.4/12

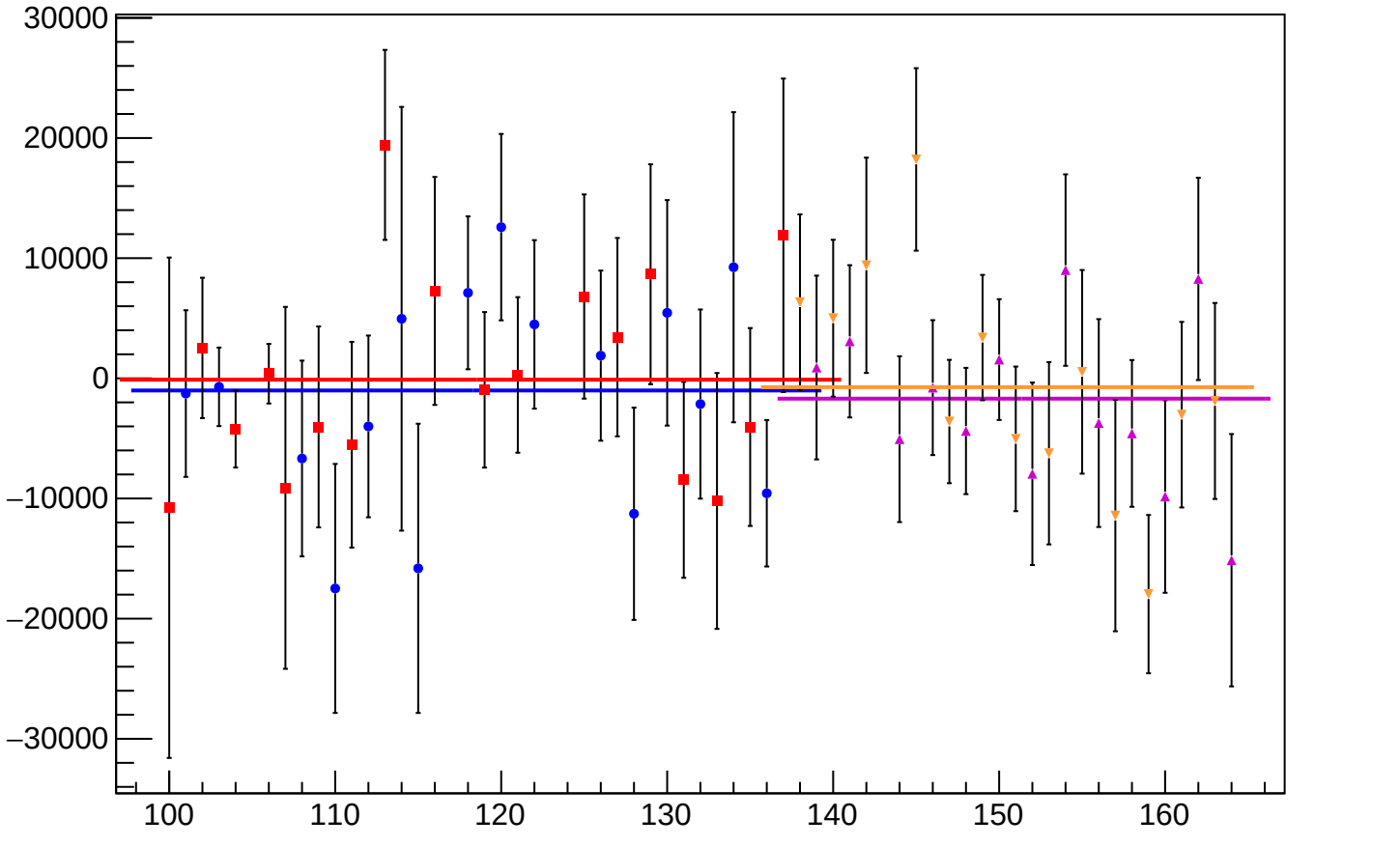
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1841.113+/-0.311 χ^2/NDF: 302785.4/28

All: 1839.510+/-0.218 χ^2/NDF: 414105.7/59

- 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: -734.742+/-1920.278 χ^2/NDF:19.4/12

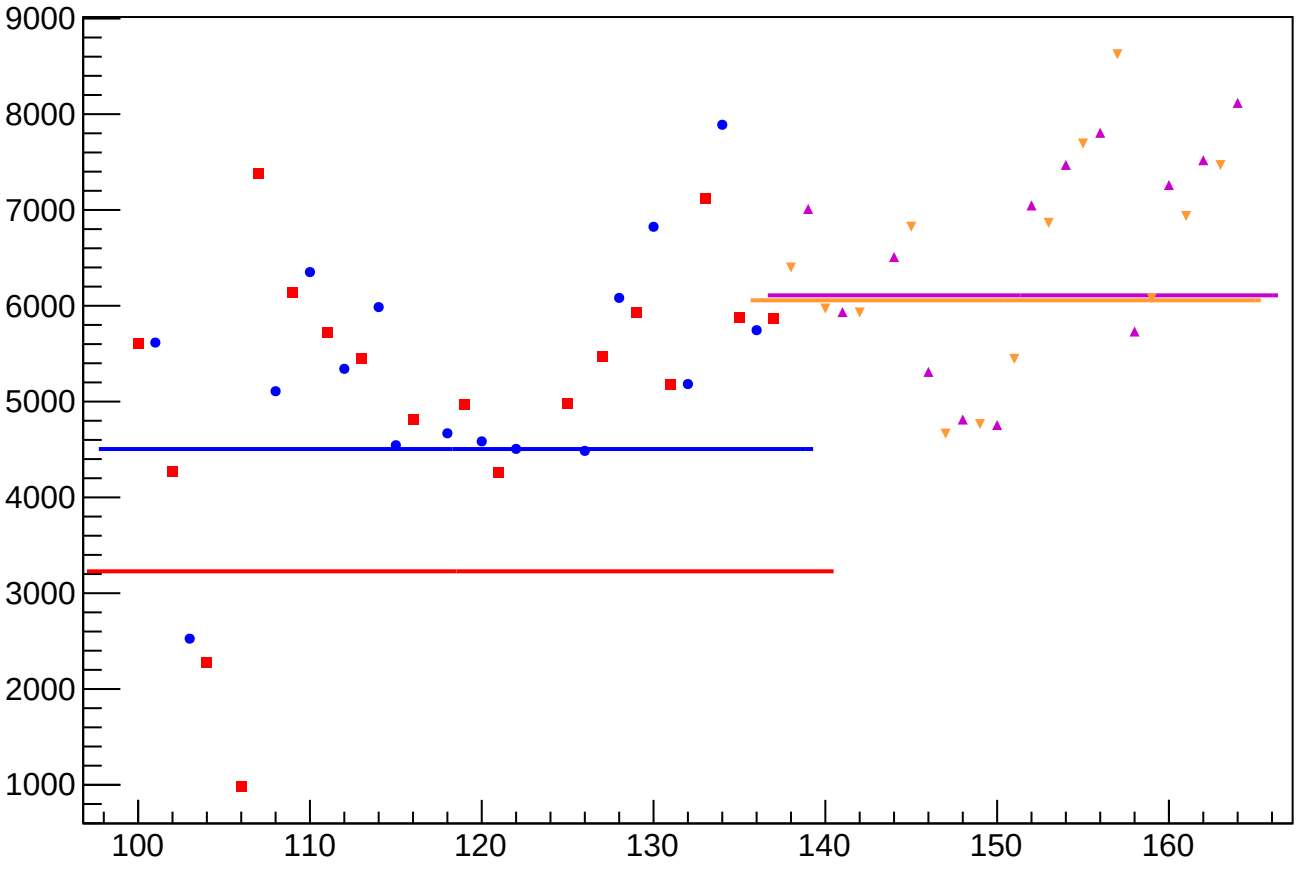
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1691.470+/-1881.150 χ^2/NDF:8.5/12

+ sign -884.168+/-1299.149 χ^2/NDF: 34.1/28

All: -777.144+/-858.020 χ^2/NDF: 57.7/59

- 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: 6057.019+/-1.358 χ^2/NDF:641108.5/12

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

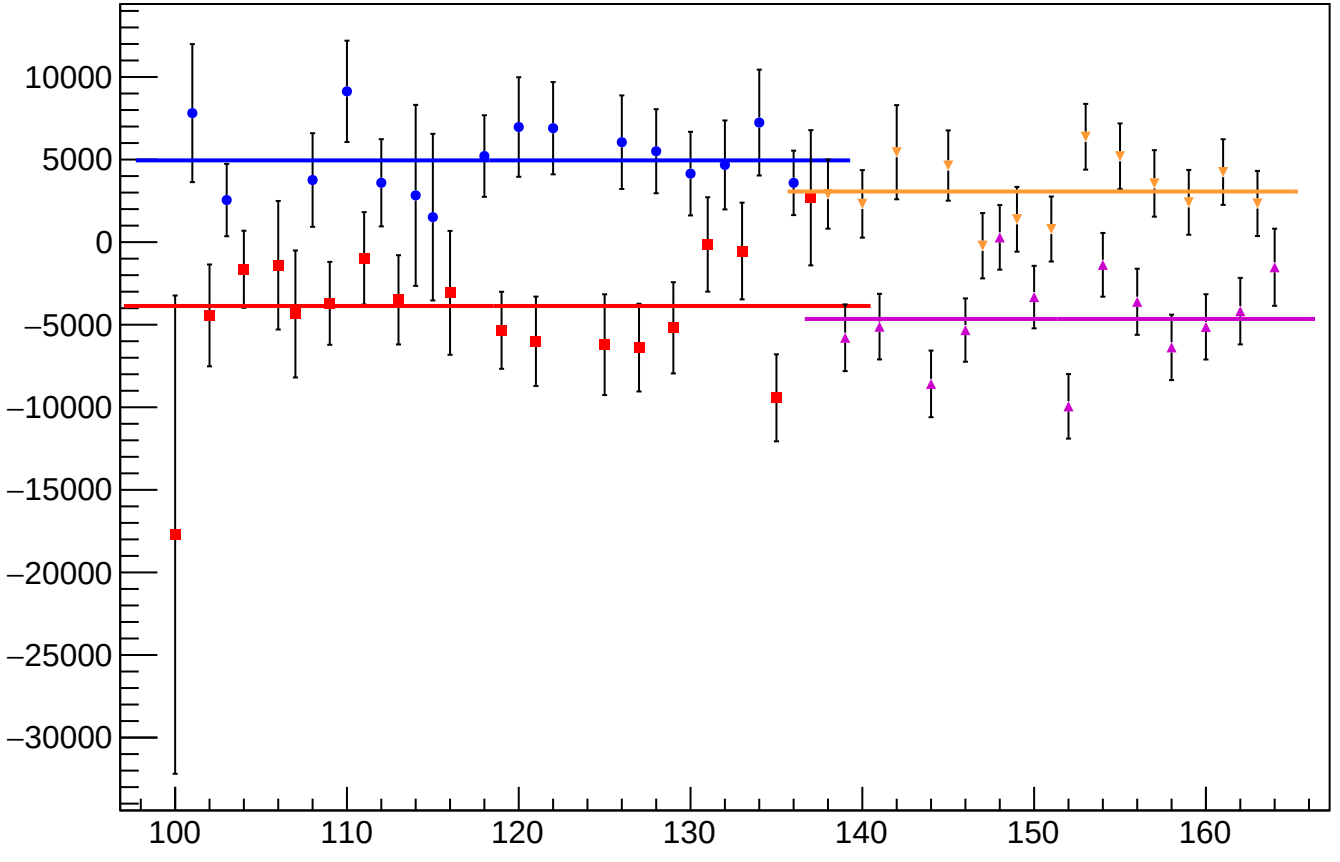
Left In: 6108.896+/-1.330 χ^2/NDF:687451.6/12

+ sign 5215.259+/-0.919 χ^2/NDF: 2670887.4/28

All: 4694.384+/-0.607 χ^2/NDF: 10843591.4/5

- 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: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

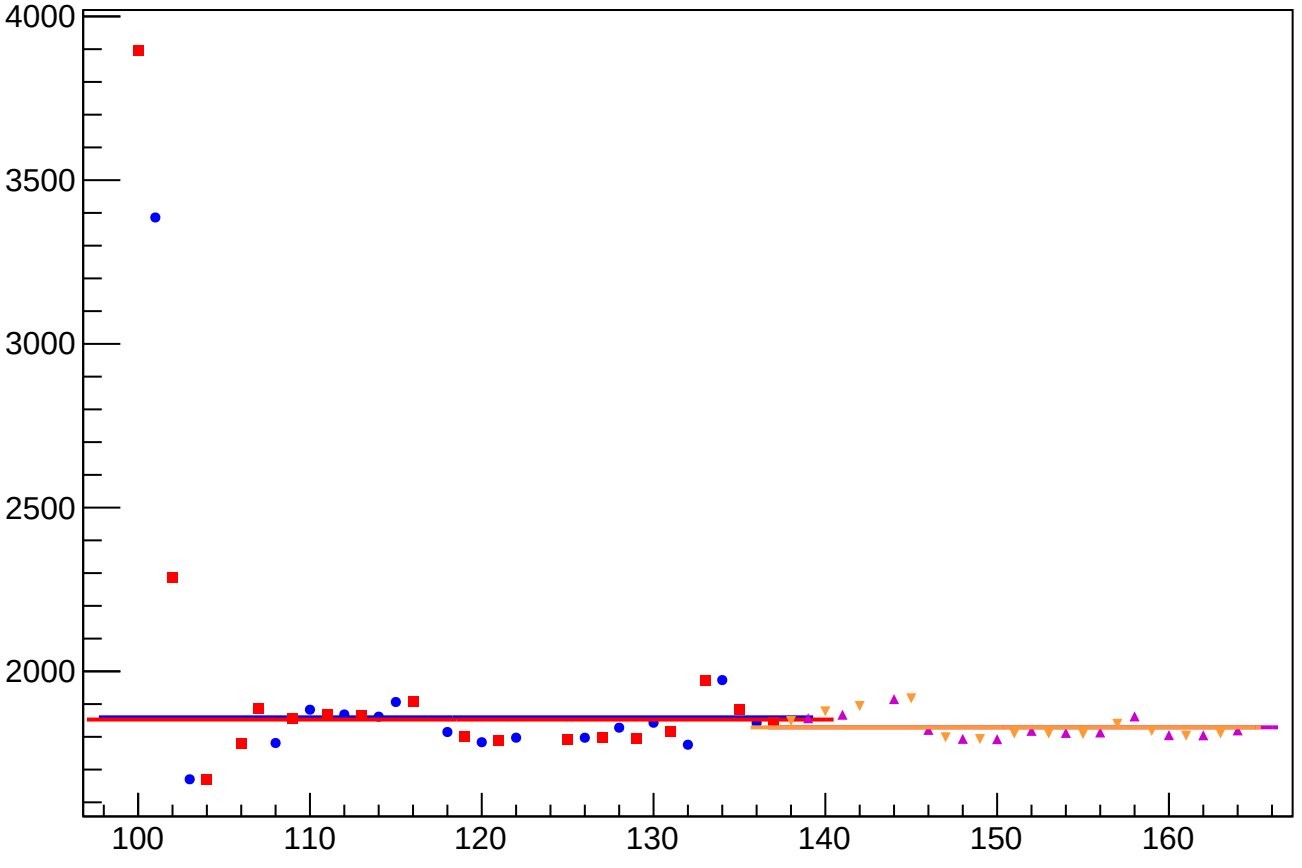
Left In: -4651.850+/-552.325 χ^2/NDF:24.3/12

+ sign 3814.189+/-440.474 χ^2/NDF: 22.0/28

All: -340.389+/-308.638 χ^2/NDF: 238.0/59

- 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: 1828.993+/-0.401 χ^2/NDF:8152.4/12

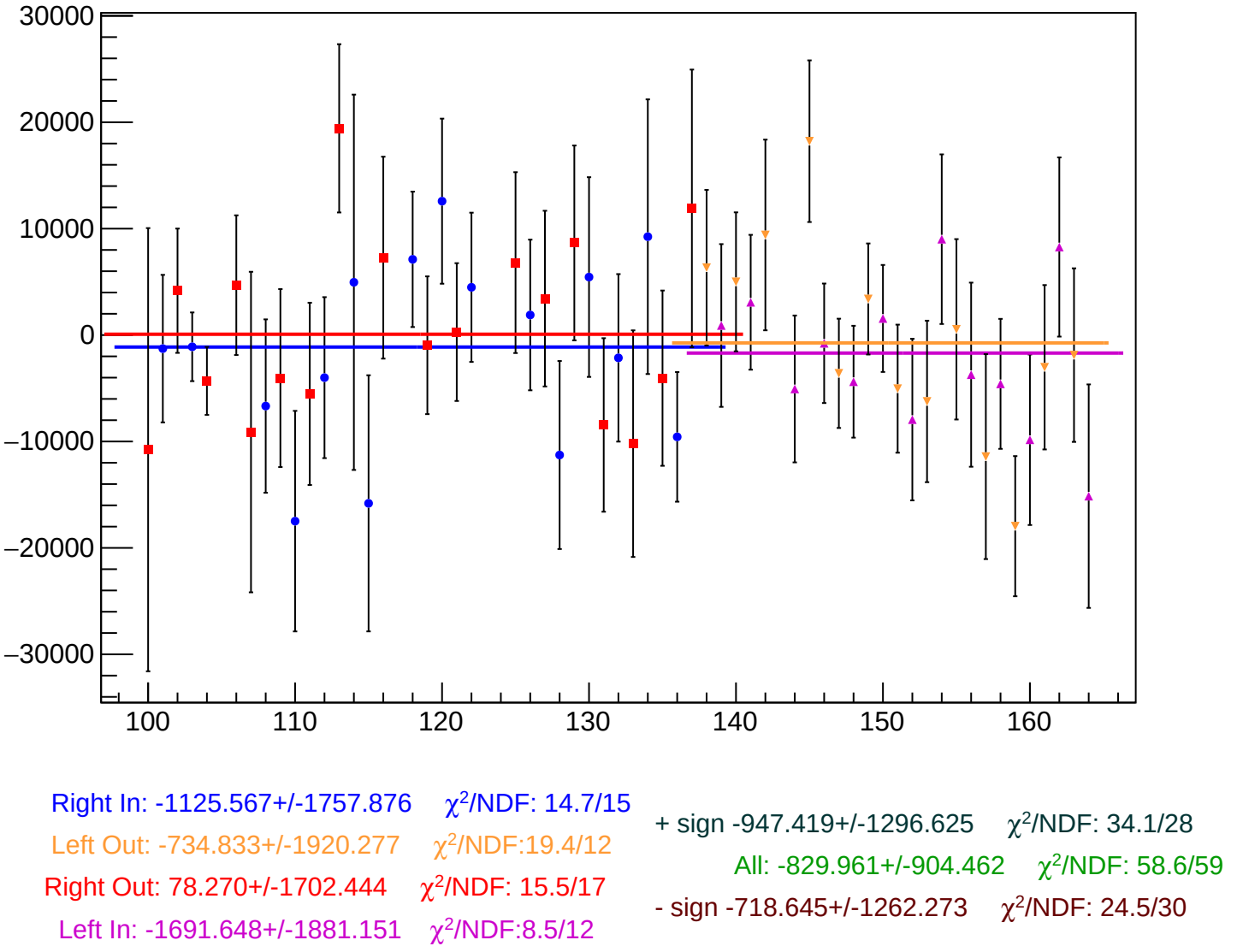
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

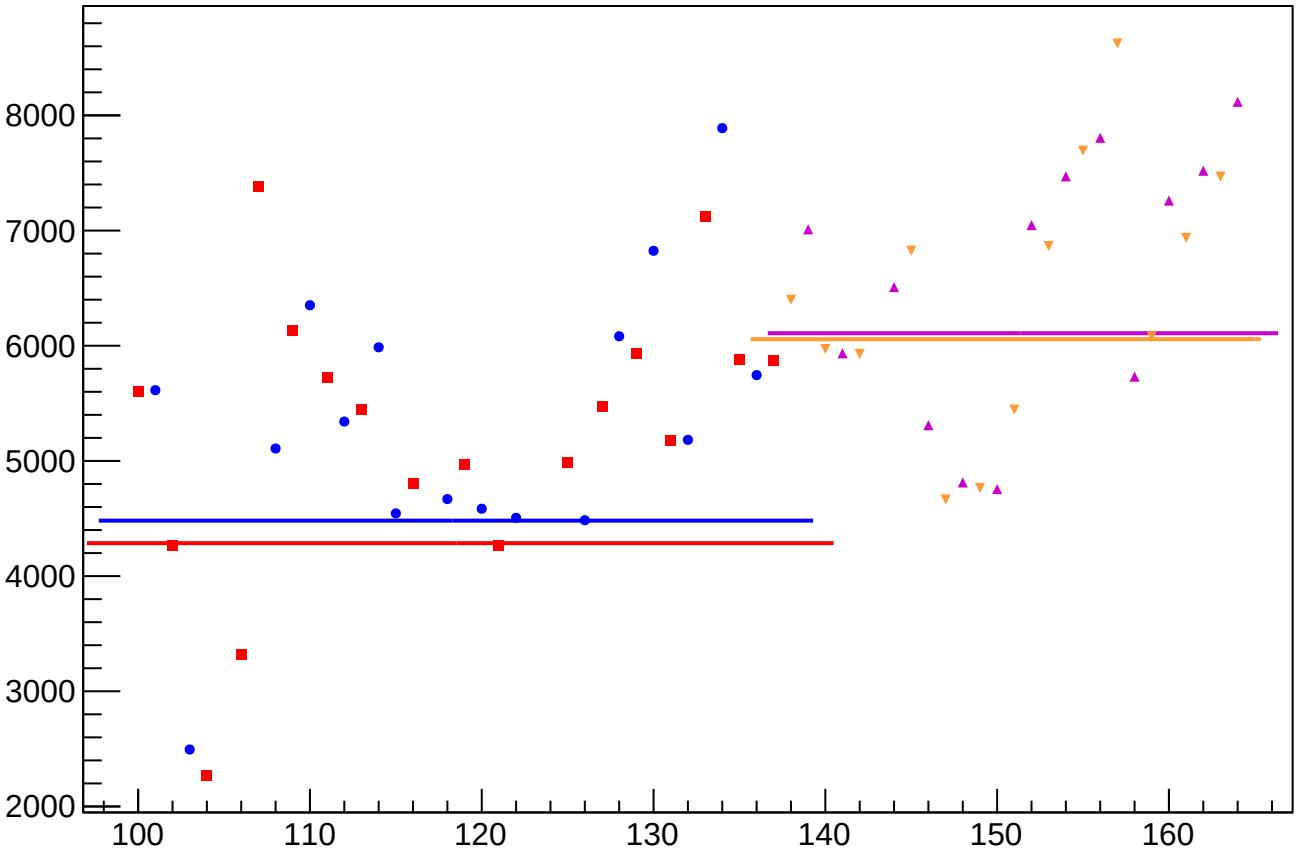
Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1841.113+/-0.311 χ^2/NDF: 302787.2/28

All: 1839.648+/-0.218 χ^2/NDF: 413720.4/59

- sign 1838.238+/-0.306 χ^2/NDF: 110889.8/30


asym_us_avg_atlr_avg_avg_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: -734.833+/-1920.277 χ²/NDF:19.4/12
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1691.648+/-1881.151 χ²/NDF:8.5/12
+ sign -947.419+/-1296.625 χ²/NDF: 34.1/28
All: -829.961+/-904.462 χ²/NDF: 58.6/59
- sign -718.645+/-1262.273 χ²/NDF: 24.5/30



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

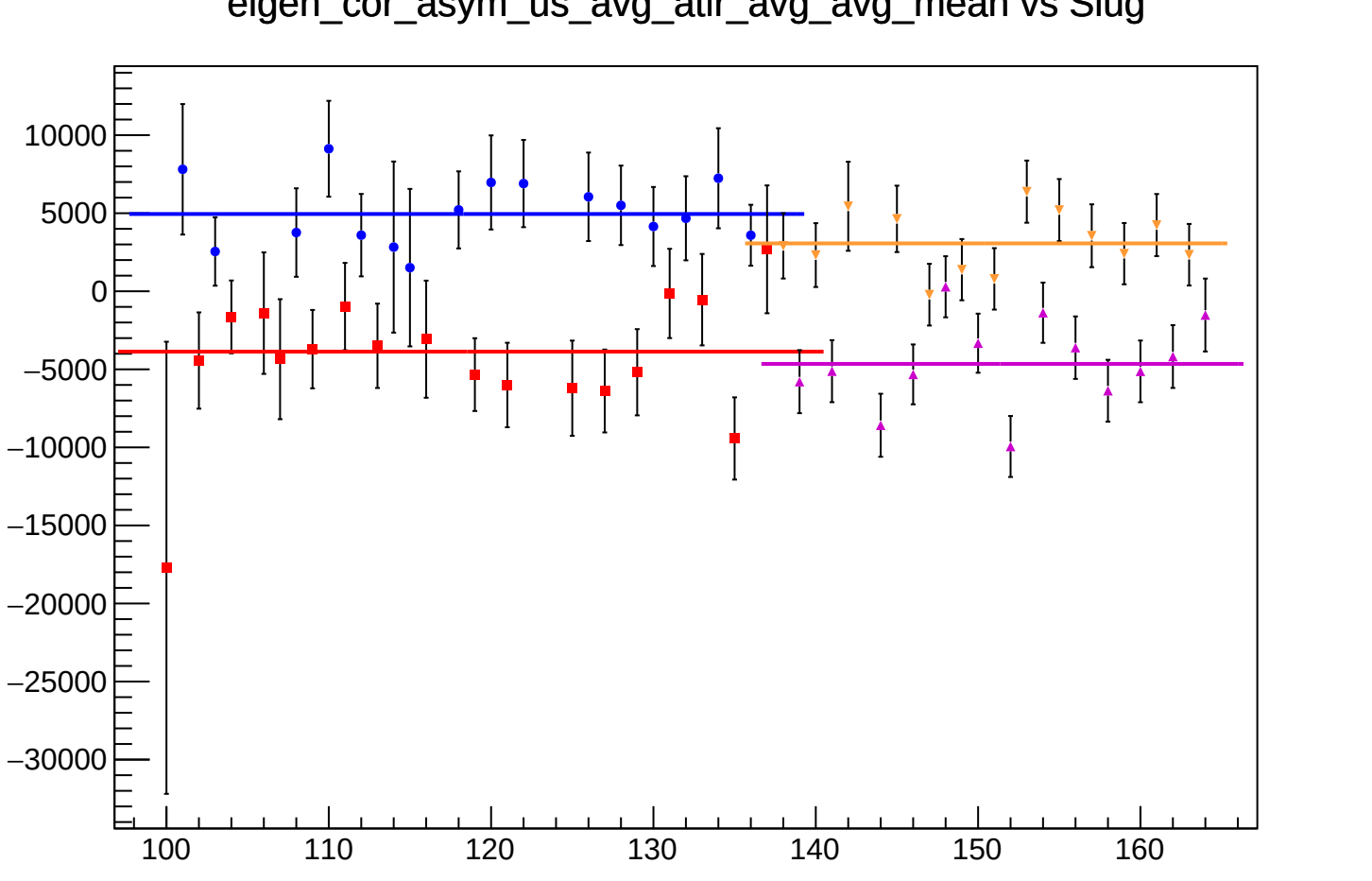
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

+ sign 5199.840+/-0.917 χ^2/NDF: 2735843.7/28

All: 5152.091+/-0.640 χ^2/NDF: 6010742.2/59

- 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: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

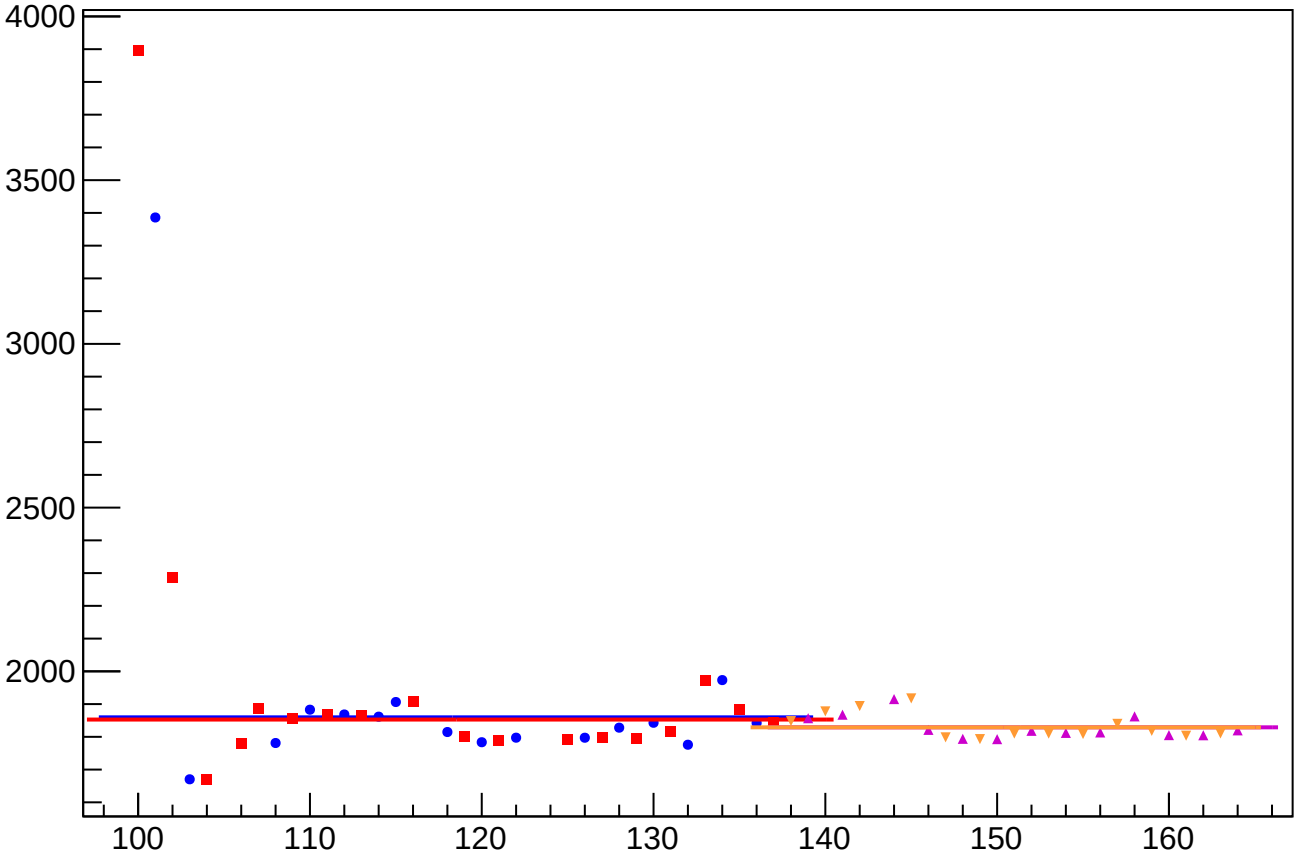
Left In: -4651.850+/-552.325 χ^2/NDF:24.3/12

+ sign 3814.189+/-440.474 χ^2/NDF: 22.0/28

All: -340.389+/-308.638 χ^2/NDF: 238.0/59

- 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: 1828.993+/-0.401 χ^2/NDF:8152.4/12

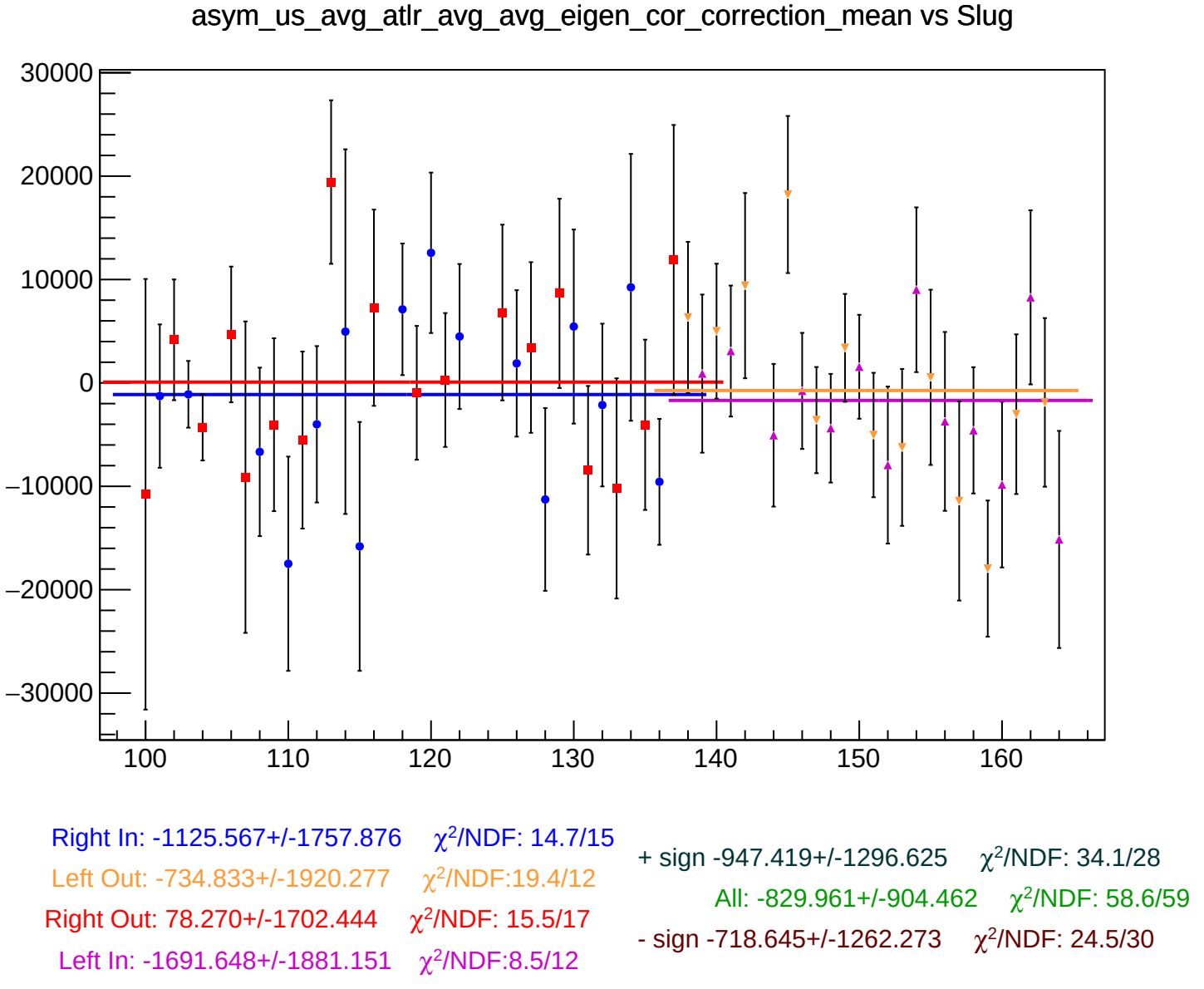
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

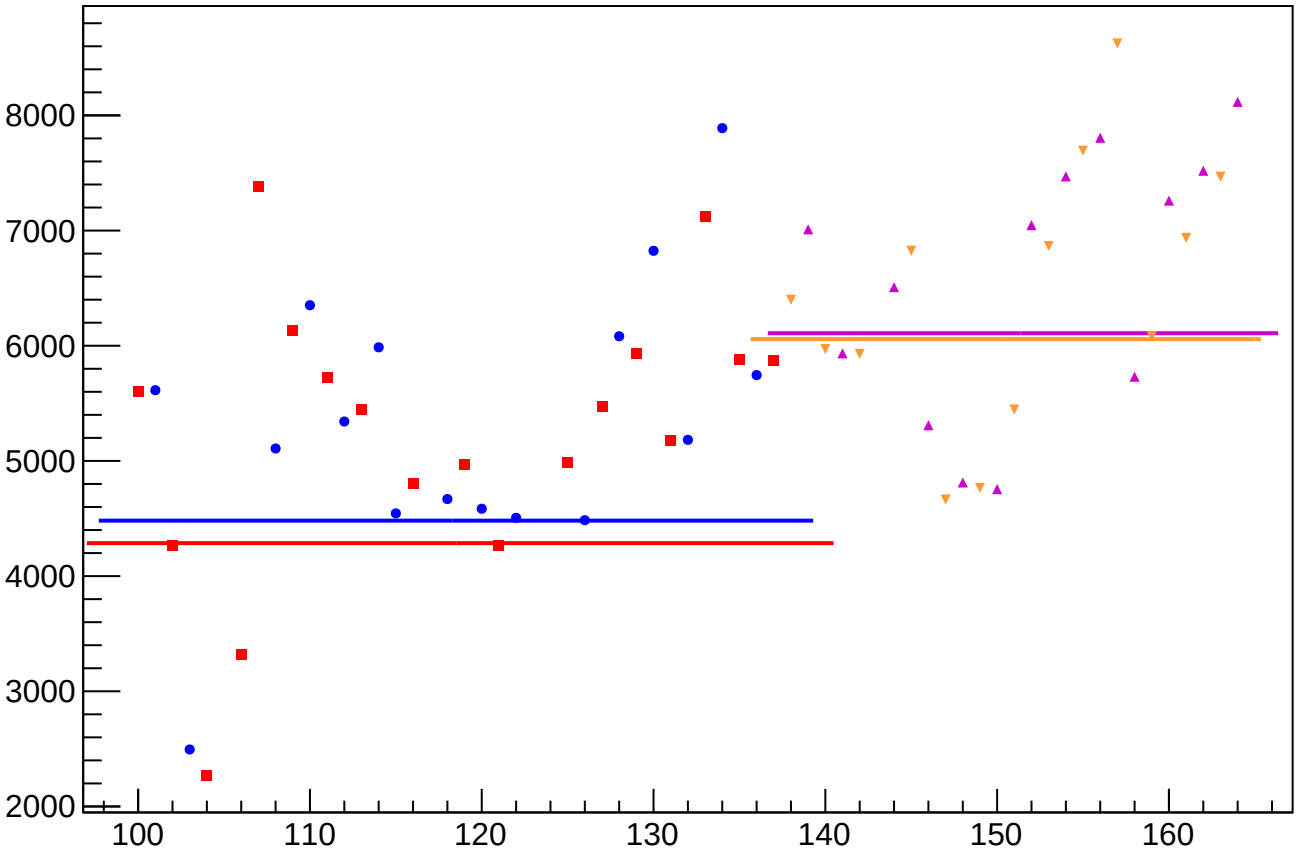
Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1841.113+/-0.311 χ^2/NDF: 302787.2/28

All: 1839.648+/-0.218 χ^2/NDF: 413720.4/59

- 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: -734.833+/-1920.277 χ²/NDF:19.4/12
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1691.648+/-1881.151 χ²/NDF:8.5/12
+ sign -947.419+/-1296.625 χ²/NDF: 34.1/28
All: -829.961+/-904.462 χ²/NDF: 58.6/59
- sign -718.645+/-1262.273 χ²/NDF: 24.5/30



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

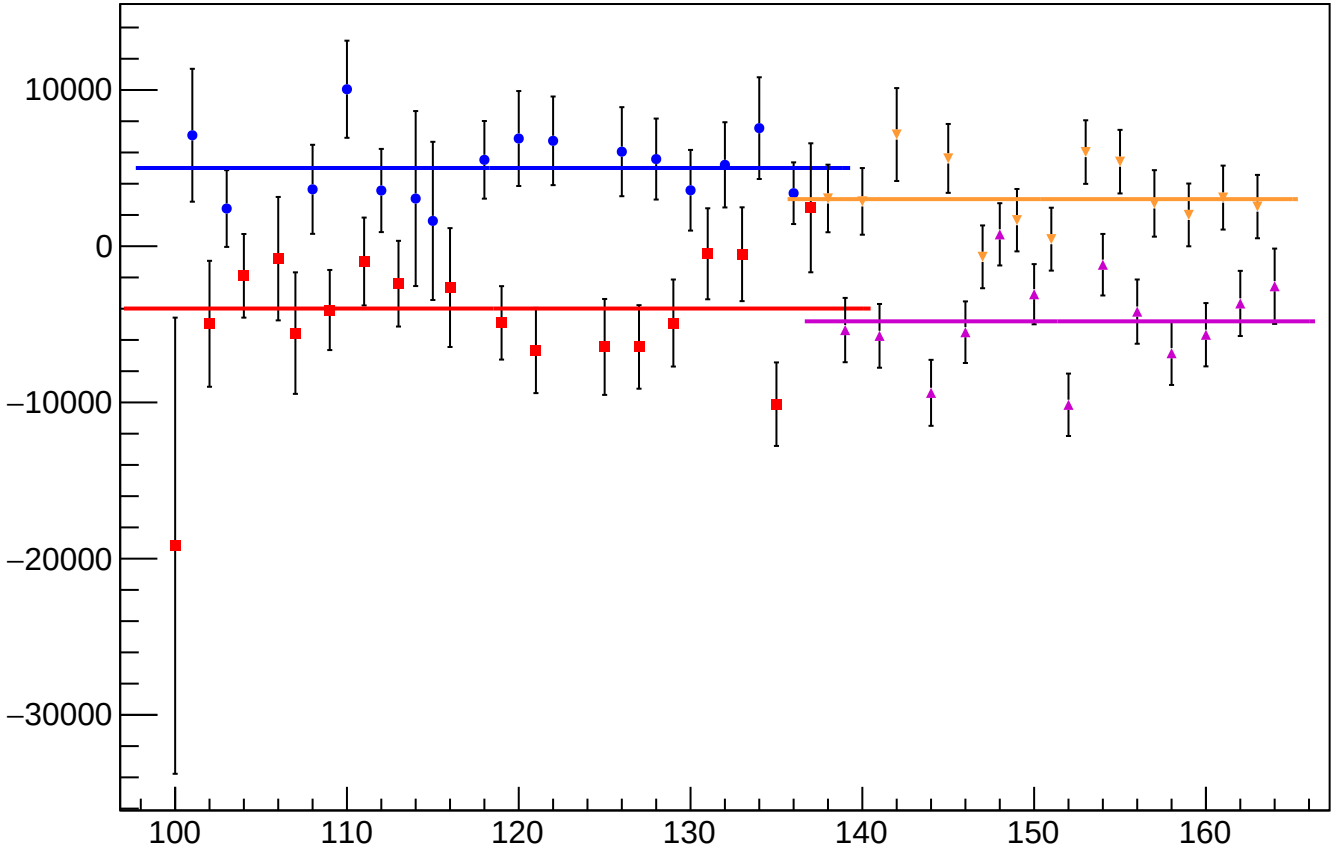
Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

+ sign 5199.840+/-0.917 χ^2/NDF: 2735843.7/28

All: 5152.091+/-0.640 χ^2/NDF: 6010742.2/59

- 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: 3014.121+/-584.173 χ^2/NDF:12.7/12

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

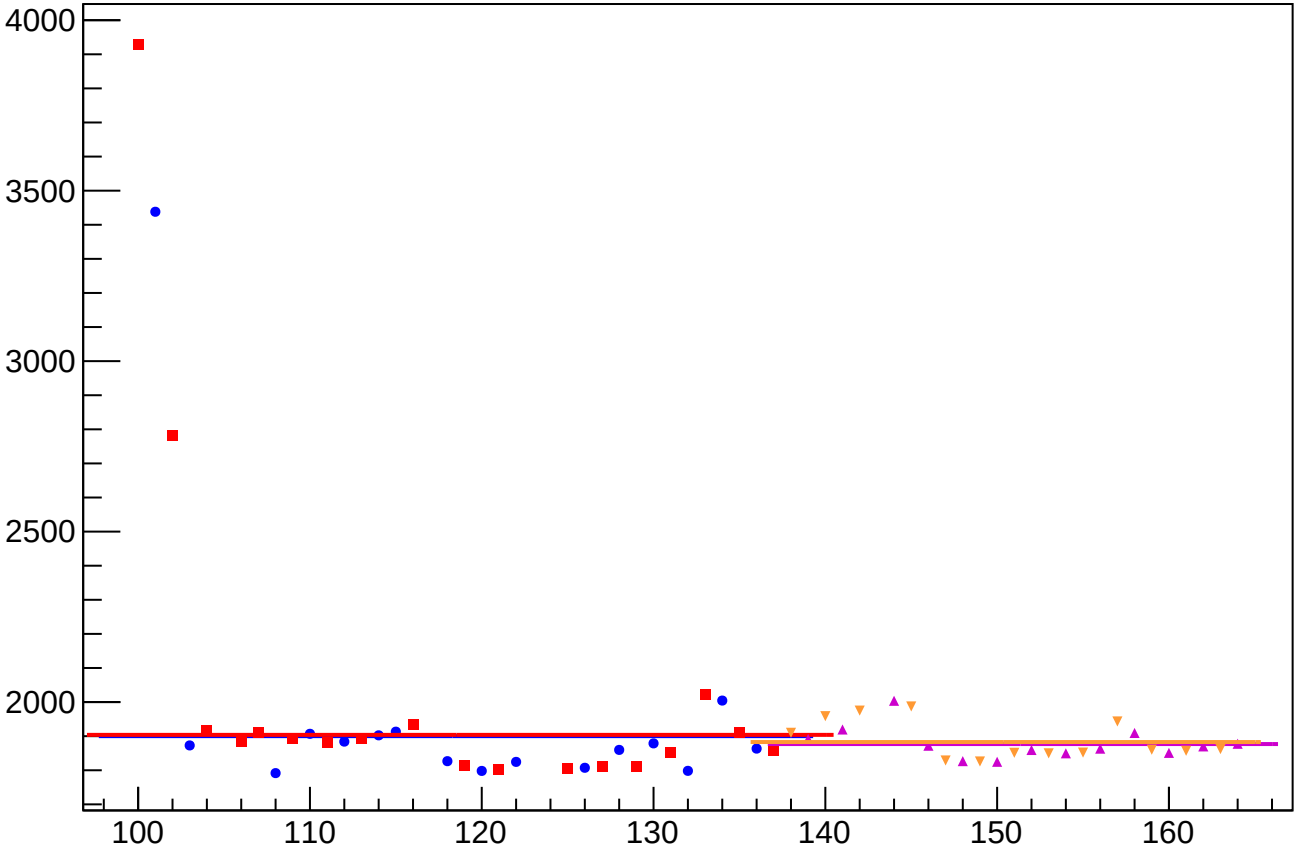
Left In: -4808.137+/-566.889 χ^2/NDF:26.7/12

+ sign 3813.275+/-452.143 χ^2/NDF: 25.0/28

All: -405.021+/-317.220 χ^2/NDF: 241.3/59

- 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: 1882.789+/-0.413 χ^2/NDF:16188.2/12

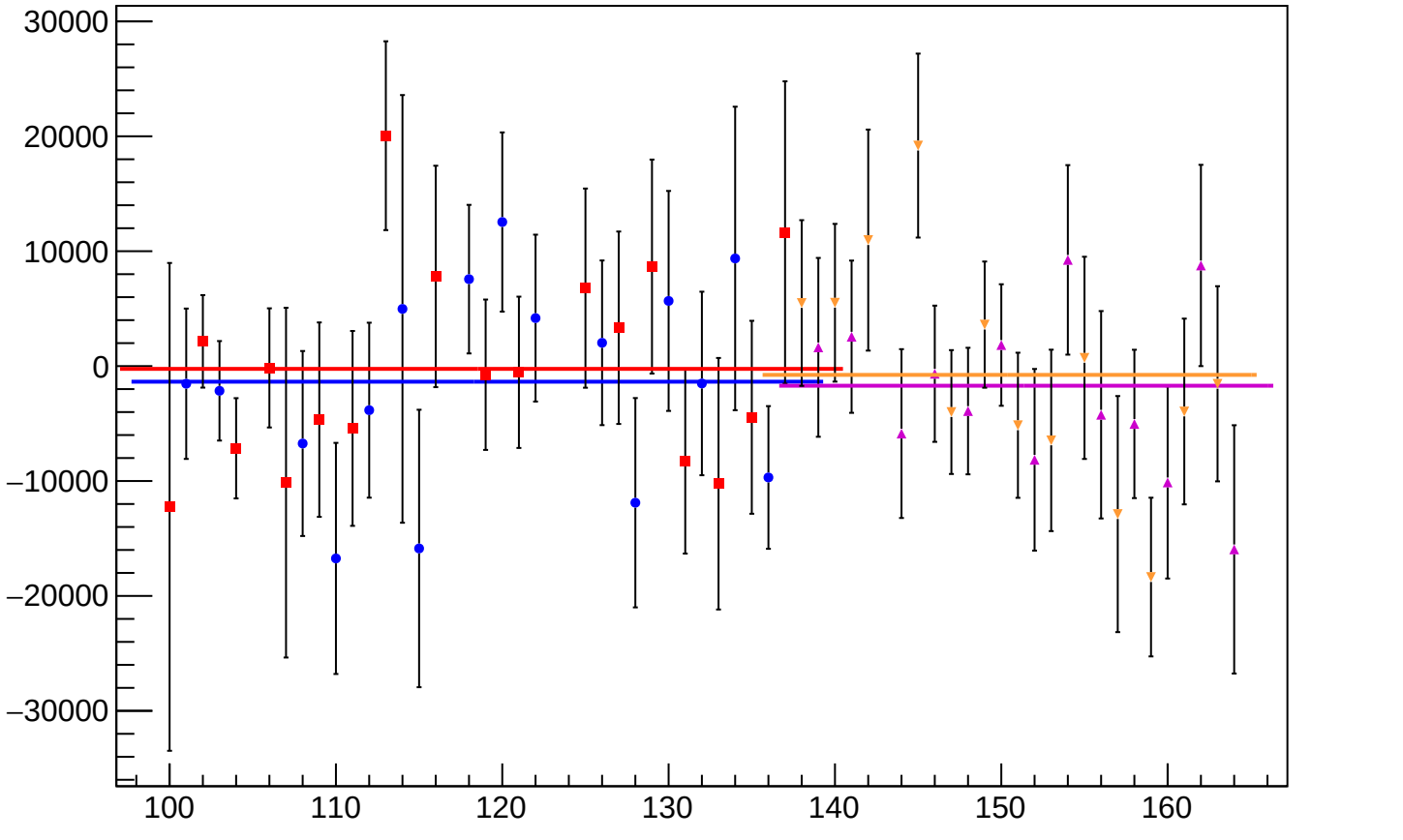
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1876.895+/-0.401 χ^2/NDF:12418.4/12

+ sign 1889.734+/-0.320 χ^2/NDF: 295341.5/28

All: 1888.463+/-0.224 χ^2/NDF: 459639.6/59

- 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: -764.153+/-2007.505 χ^2/NDF:19.4/12

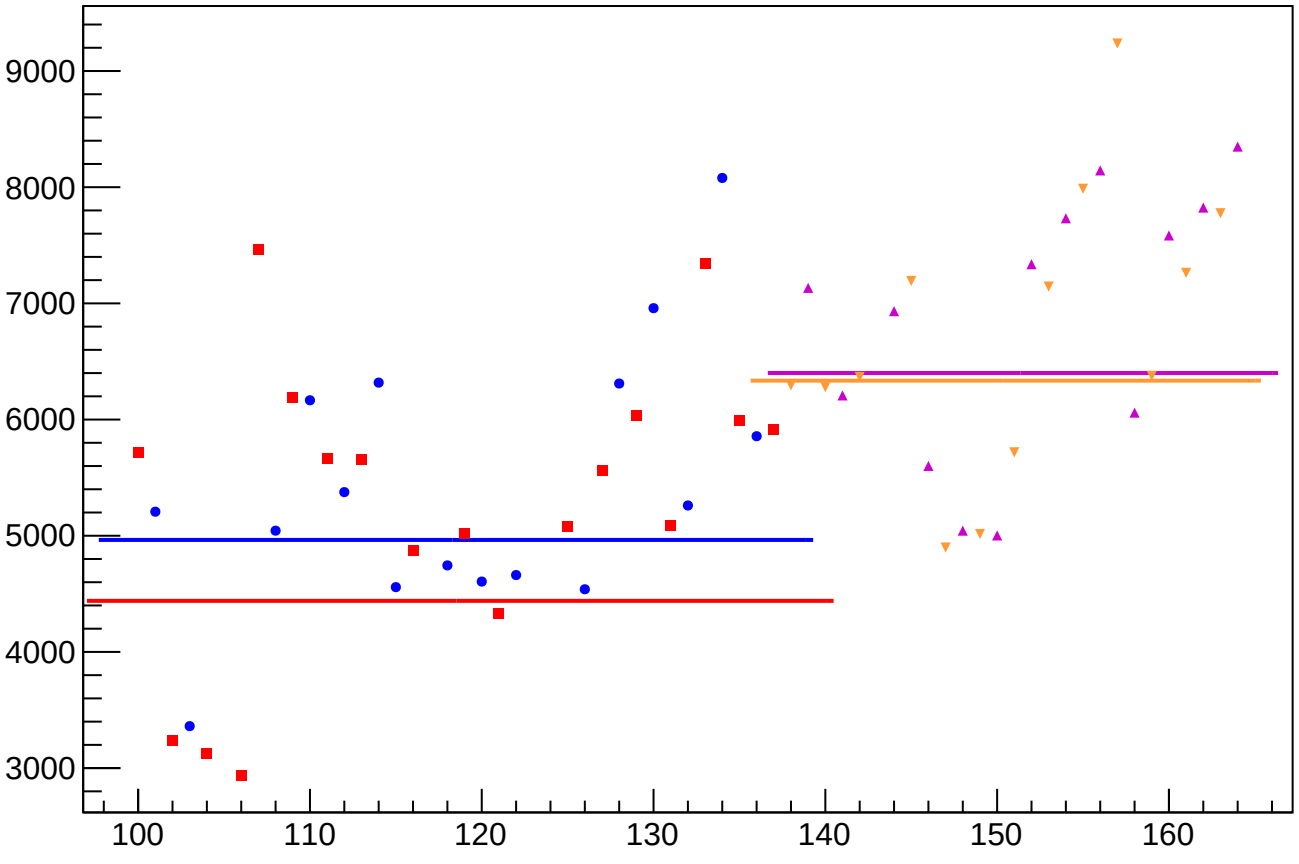
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1707.372+/-1969.018 χ^2/NDF:8.5/12

+ sign -1077.296+/-1378.405 χ^2/NDF: 34.1/28

All: -968.387+/-942.742 χ^2/NDF: 58.7/59

- 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: 6334.844+/-1.420 χ^2/NDF:634944.8/12

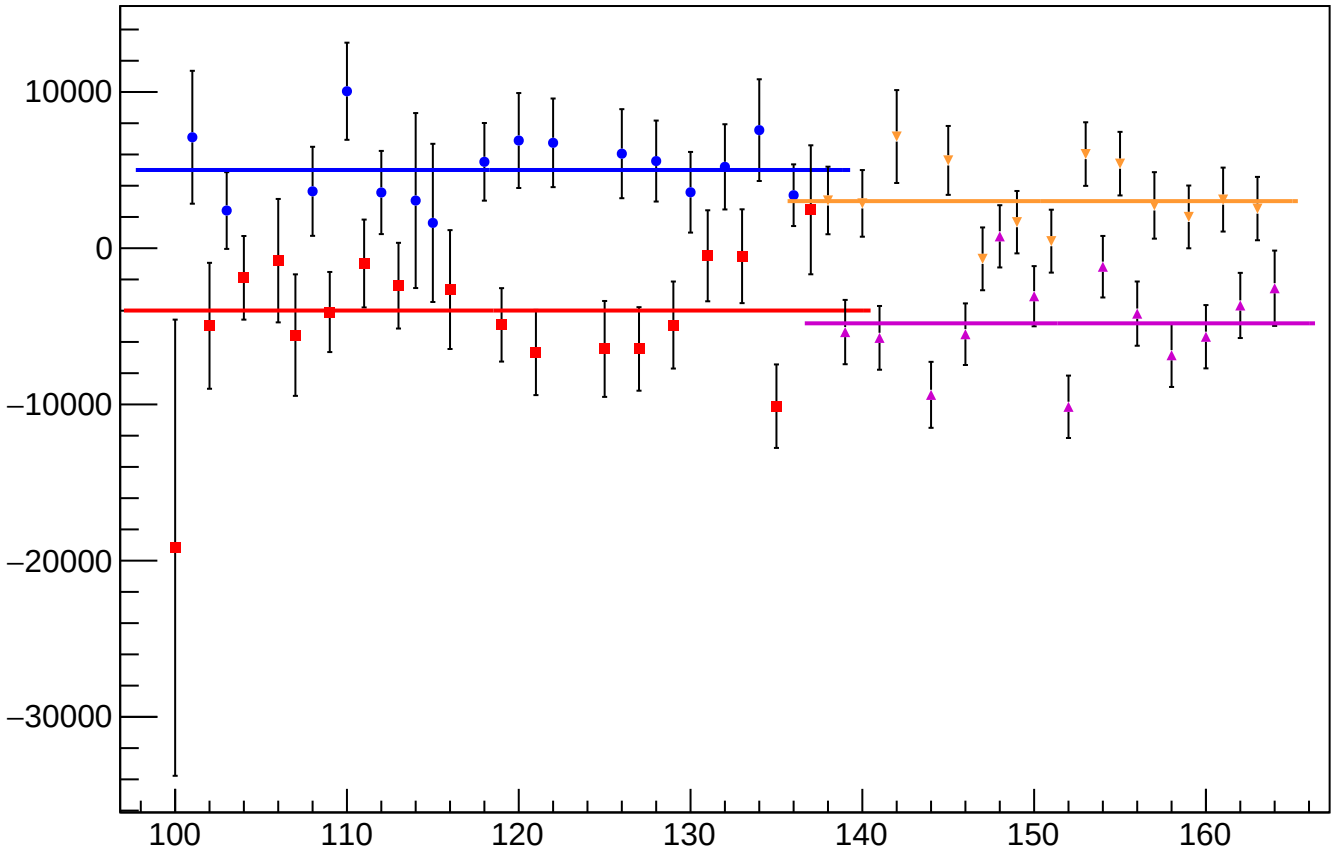
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6400.872+/-1.392 χ^2/NDF:646045.4/12

+ sign 5610.291+/-0.975 χ^2/NDF: 1755241.0/28

All: 5436.833+/-0.667 χ^2/NDF: 4748853.2/59

- 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: 3014.110+/-584.174 χ^2/NDF:12.7/12

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

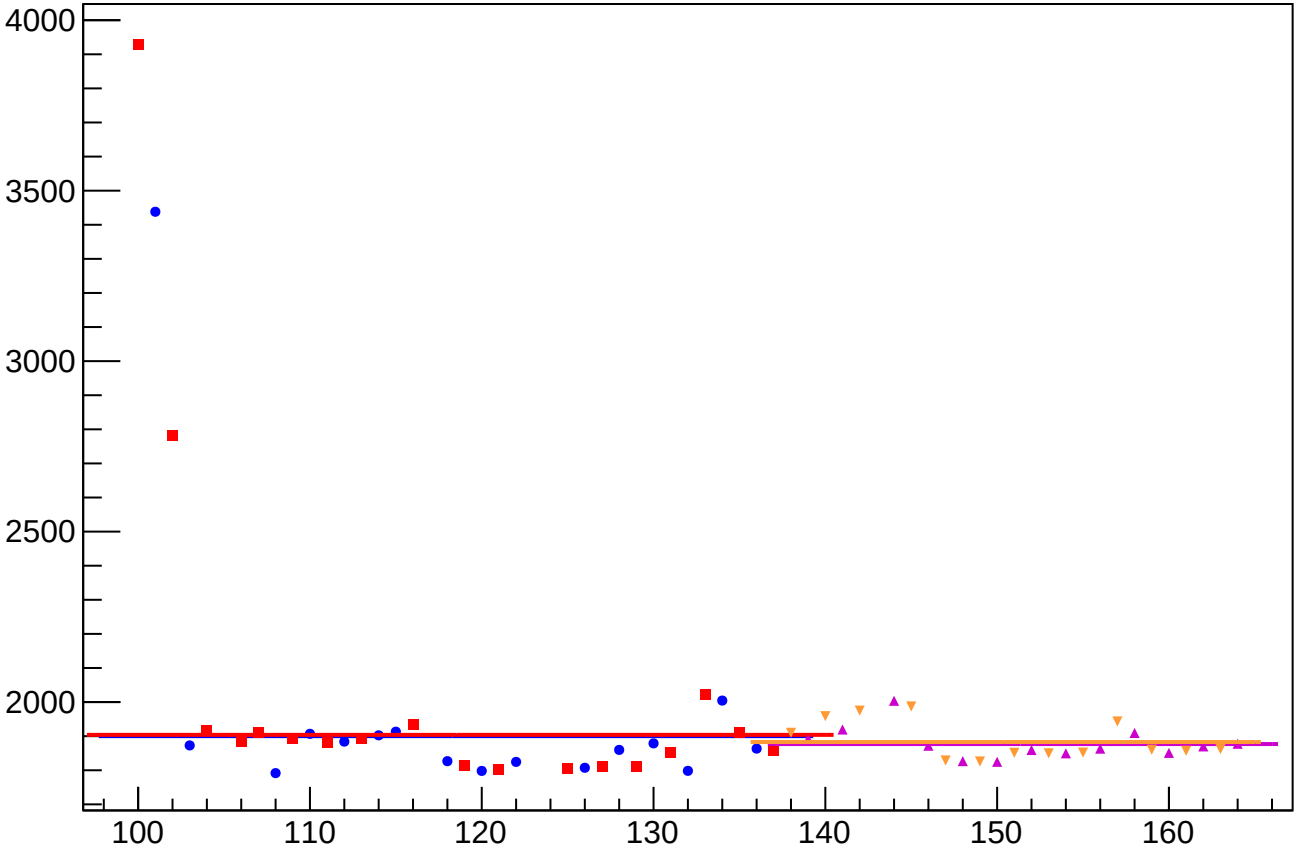
Left In: -4808.141+/-566.889 χ^2/NDF:26.7/12

+ sign 3813.270+/-452.144 χ^2/NDF: 25.0/28

All: -405.025+/-317.220 χ^2/NDF: 241.3/59

- 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: 1882.791+/-0.413 χ^2/NDF:16188.4/12

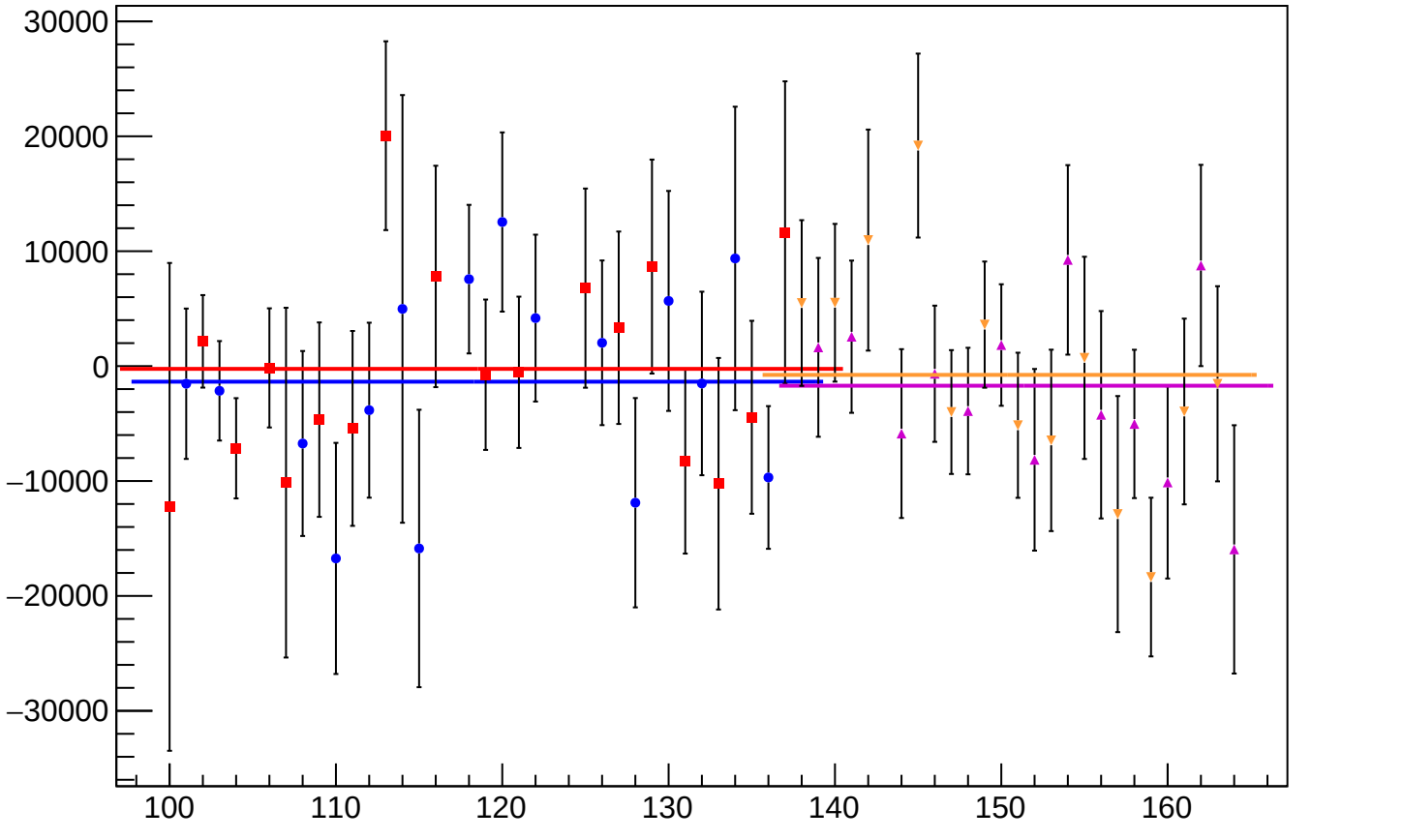
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

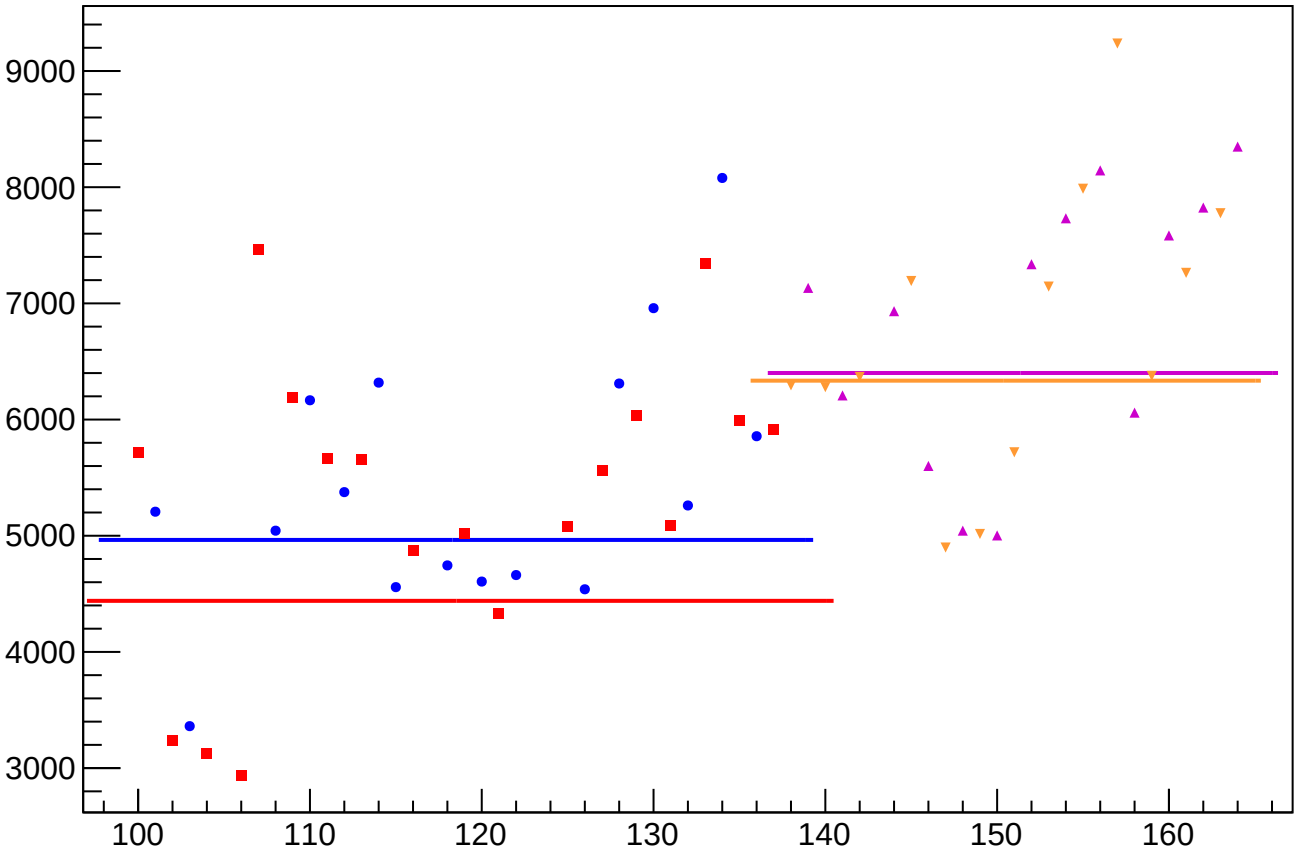
Left In: 1876.896+/-0.401 χ^2/NDF:12418.6/12

+ sign 1889.735+/-0.320 χ^2/NDF: 295341.8/28

All: 1888.464+/-0.224 χ^2/NDF: 459639.0/59

- 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: -764.162+/-2007.508 χ²/NDF:19.4/12
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -1707.372+/-1969.021 χ²/NDF:8.5/12
+ sign -1077.295+/-1378.404 χ²/NDF: 34.1/28
All: -968.386+/-942.741 χ²/NDF: 58.7/59
- sign -872.668+/-1292.238 χ²/NDF: 24.6/30



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6334.853+/-1.420 χ^2/NDF:634946.8/12

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

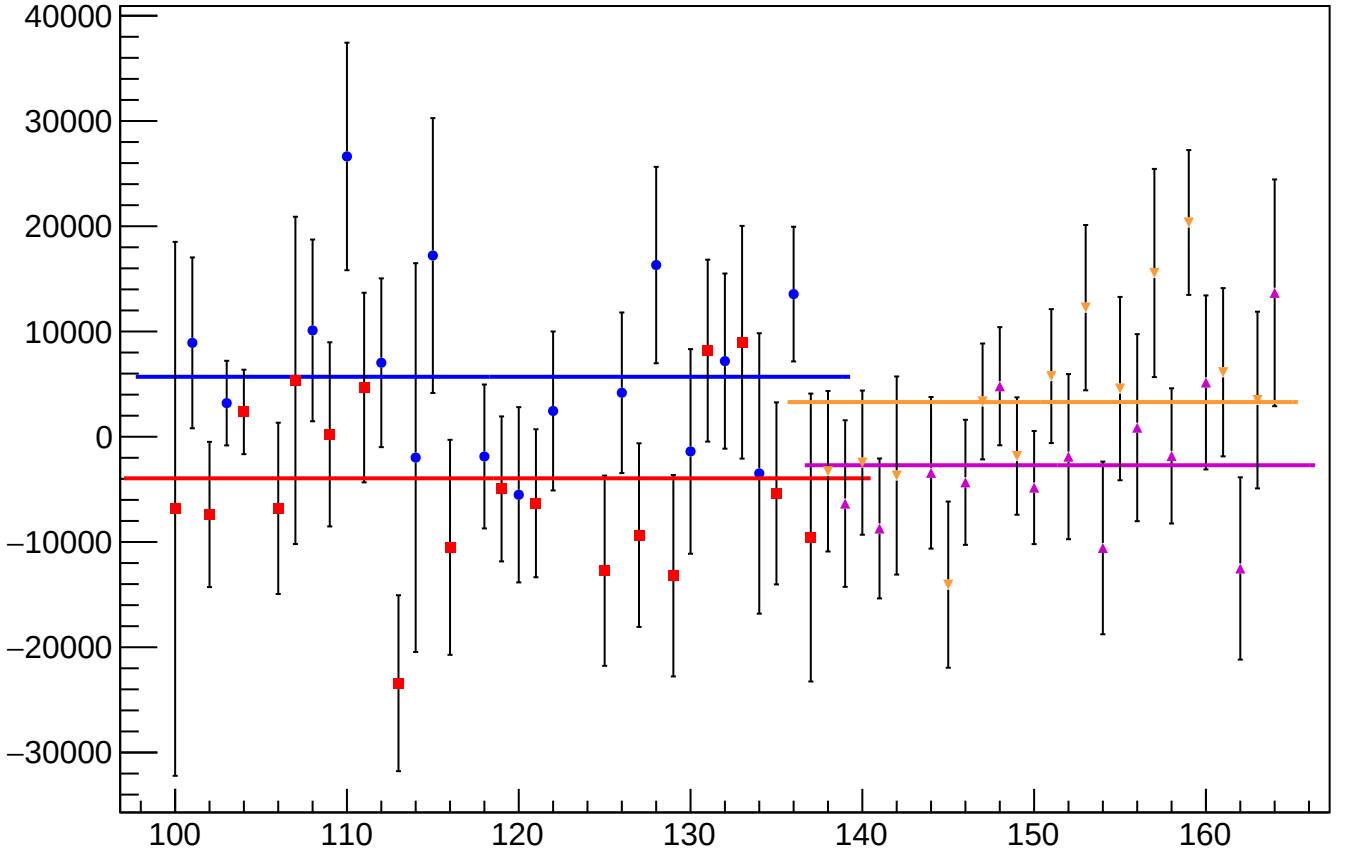
Left In: 6400.881+/-1.392 χ^2/NDF:646046.9/12

+ sign 5610.285+/-0.975 χ^2/NDF: 1755261.8/28

All: 5436.827+/-0.667 χ^2/NDF: 4748900.2/59

- 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: 3296.564+/-2014.960 χ^2/NDF:17.0/12

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

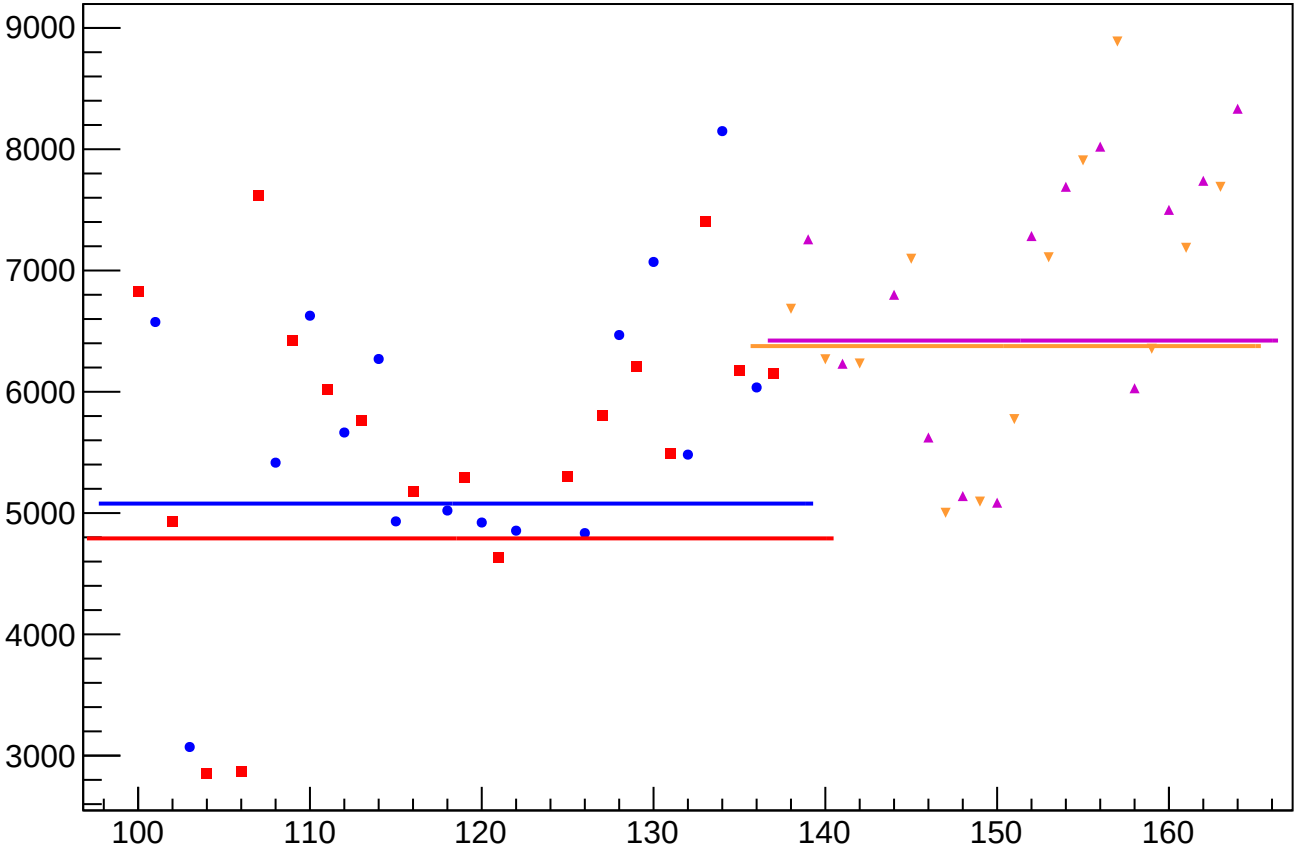
Left In: -2707.260+/-1971.754 χ^2/NDF:8.7/12

+ sign 4530.559+/-1404.668 χ^2/NDF: 30.3/28

All: 511.174+/-982.882 χ^2/NDF: 71.4/59

- 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: 6376.809+/-1.425 χ^2/NDF:546931.1/12

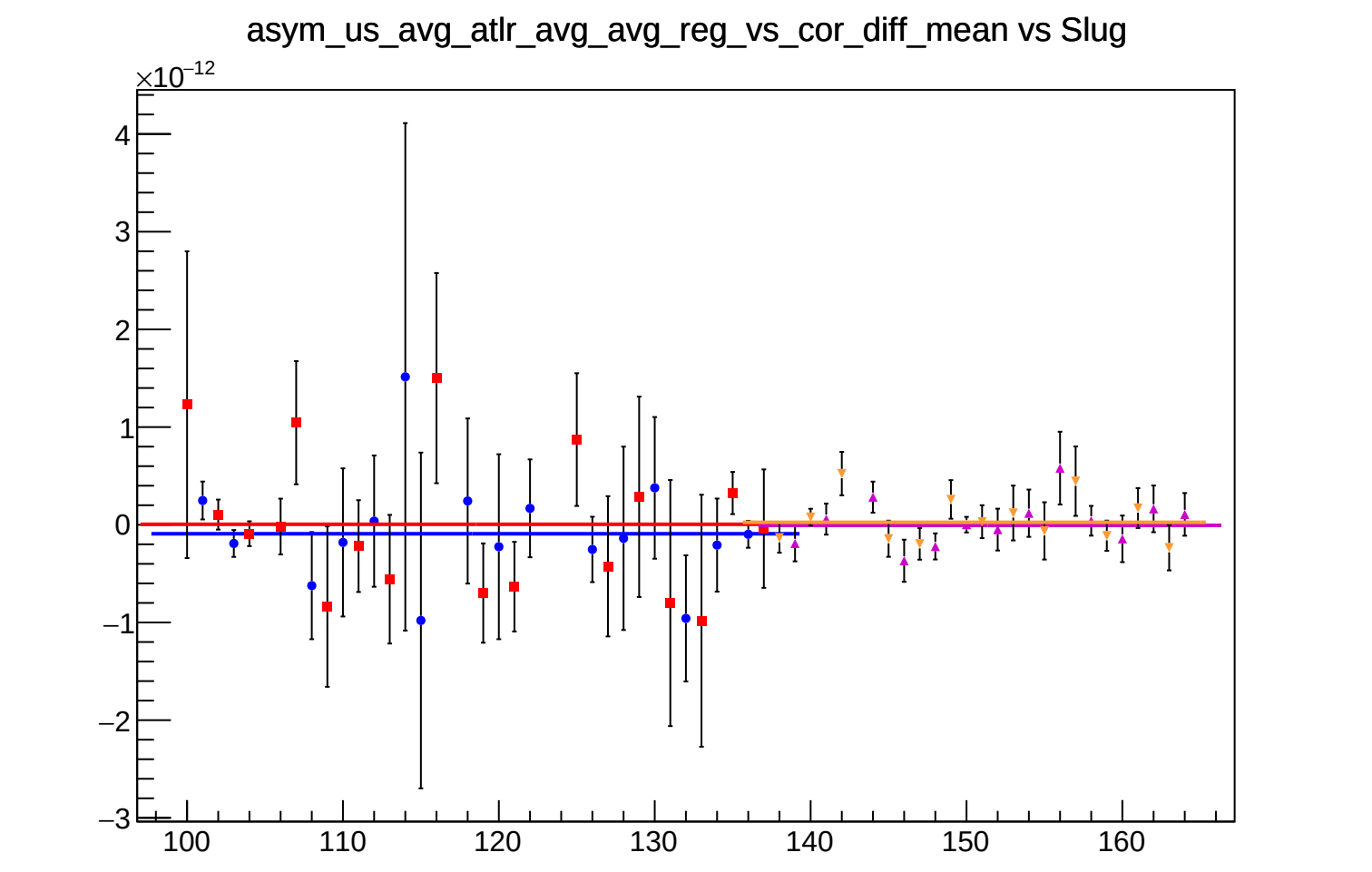
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6422.542+/-1.394 χ^2/NDF:581287.8/12

+ sign 5709.259+/-0.993 χ^2/NDF: 1893185.5/28

All: 5636.848+/-0.691 χ^2/NDF: 4363697.7/59

- 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:14.7/12

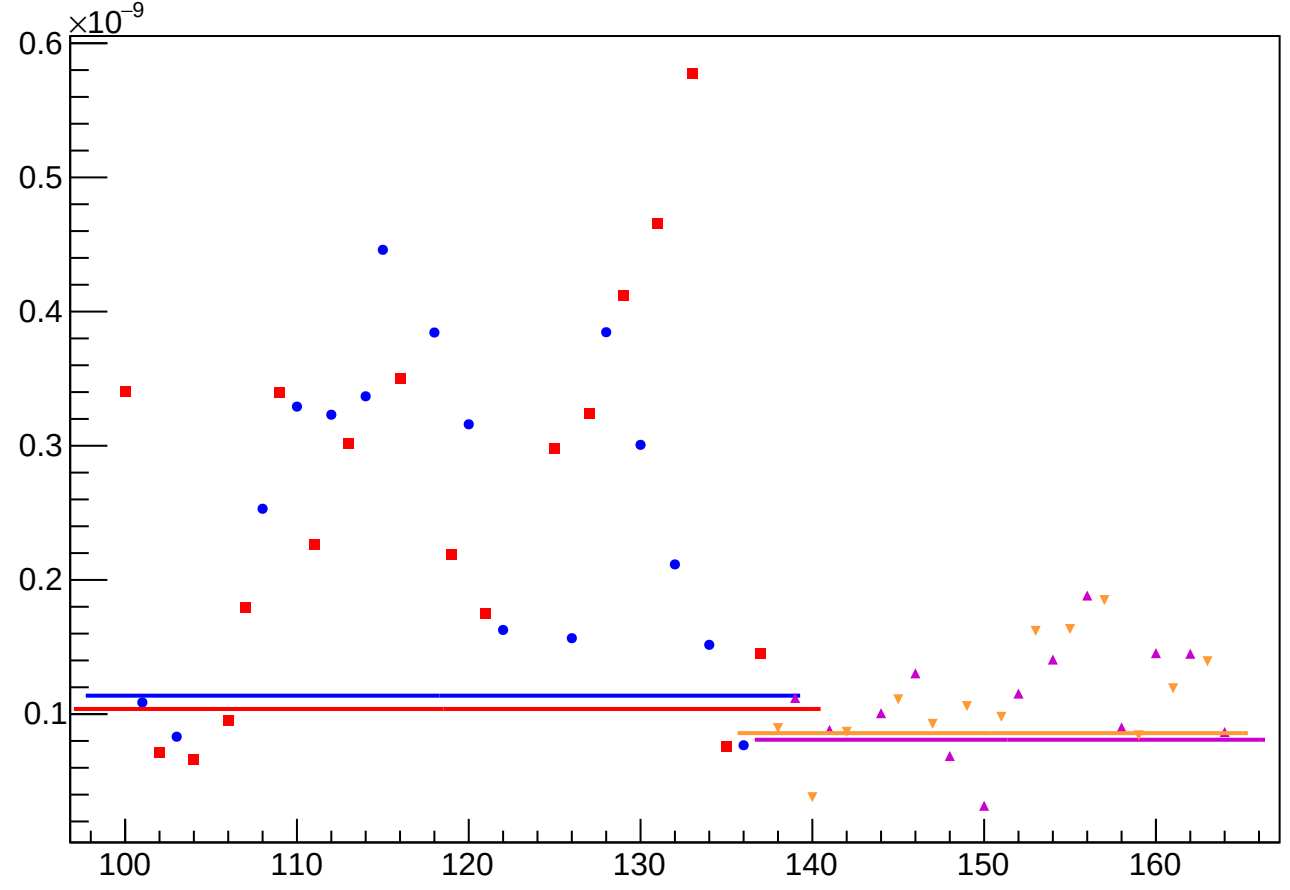
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/28

All: -0.000+/-0.000 χ^2/NDF: 55.9/59

- 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:1296932.5/12

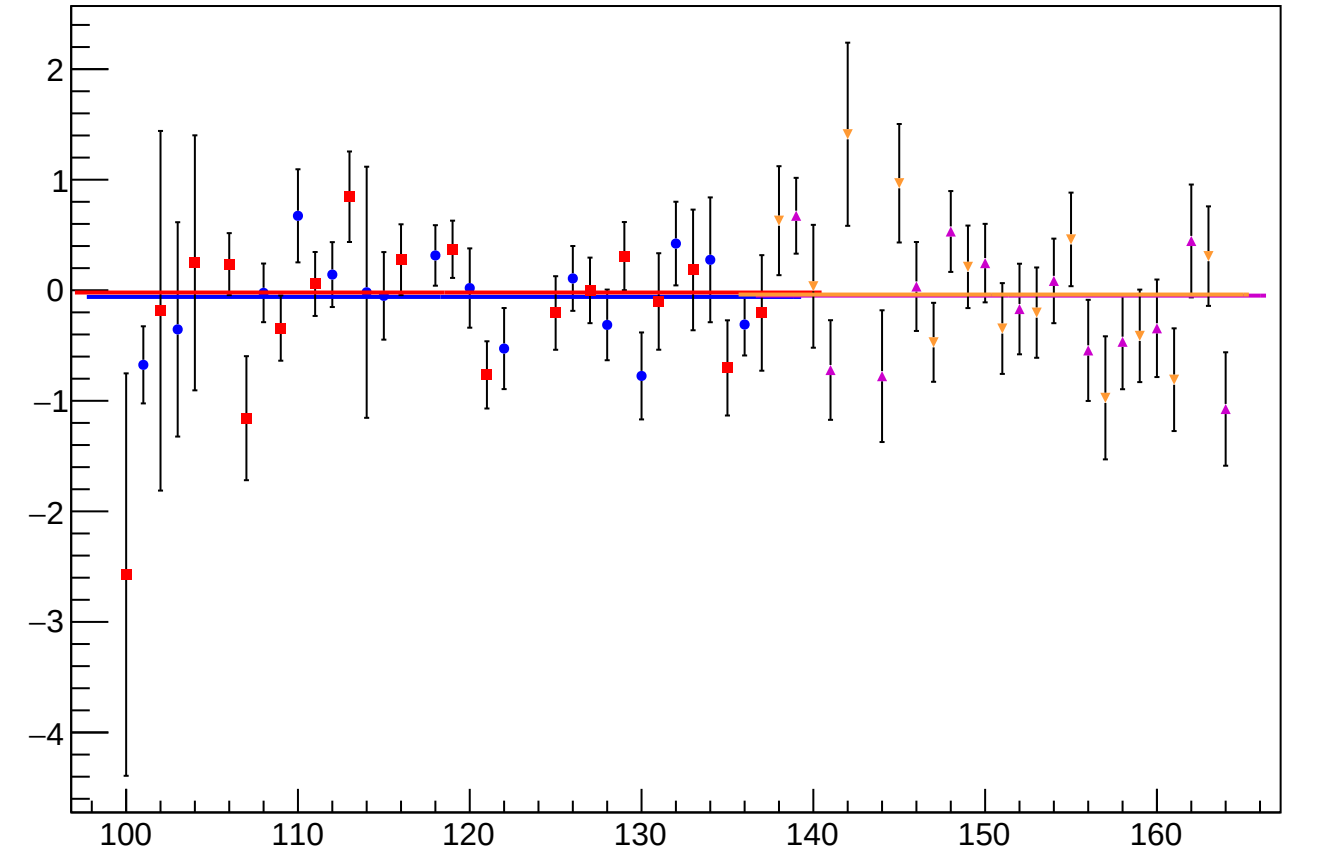
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1612625.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3009353.3/28

All: 0.000+/-0.000 χ^2/NDF: 6868972.0/59

- 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: -0.039+/-0.126 χ^2/NDF:19.4/12

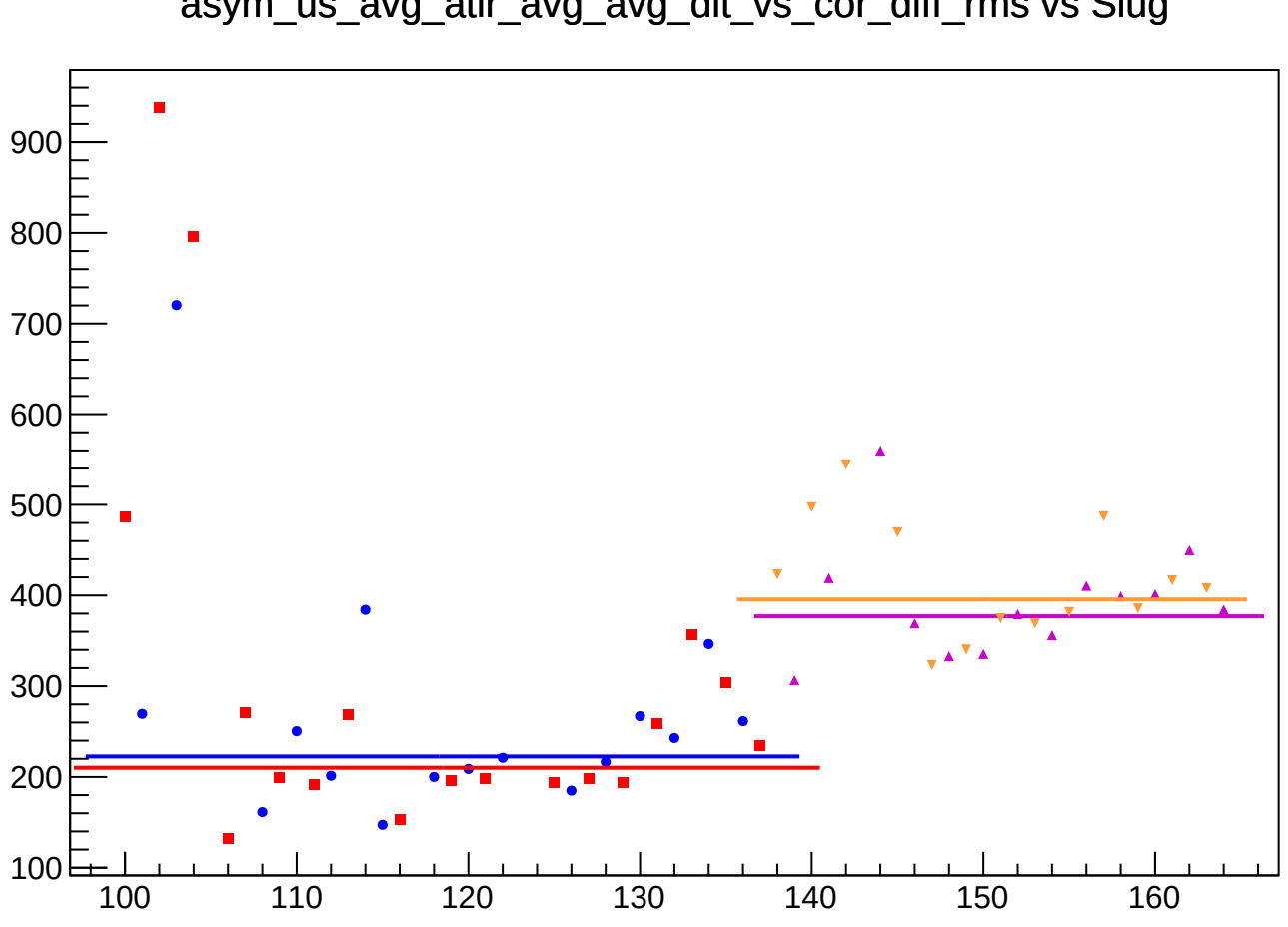
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.042+/-0.050 χ^2/NDF: 82.1/59

- 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: 395.551+/-0.089 χ^2/NDF:379022.7/12

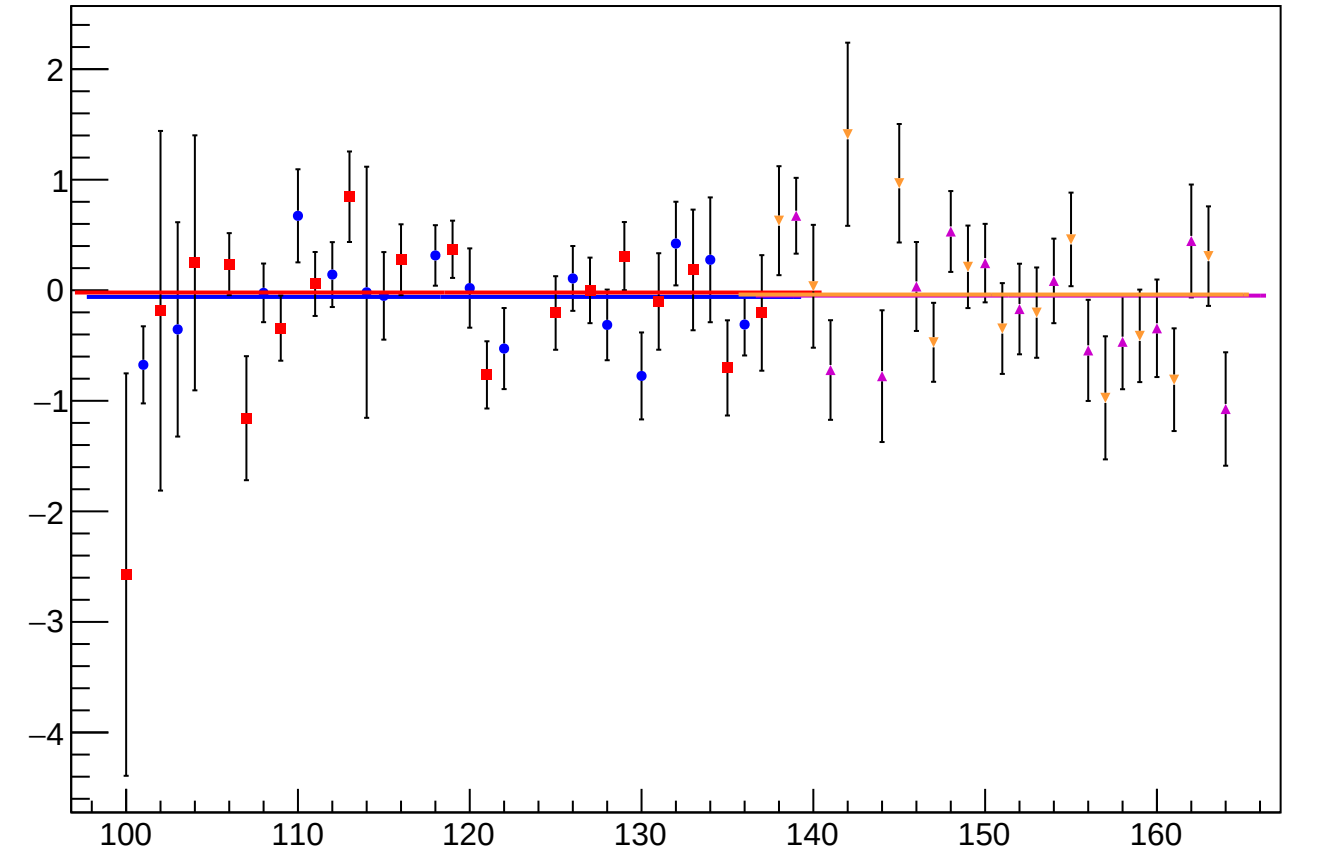
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

+ sign 280.058+/-0.051 χ^2/NDF: 3928146.4/28

All: 274.971+/-0.036 χ^2/NDF: 8537553.9/59

- 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: -0.039+/-0.126 χ^2/NDF:19.4/12

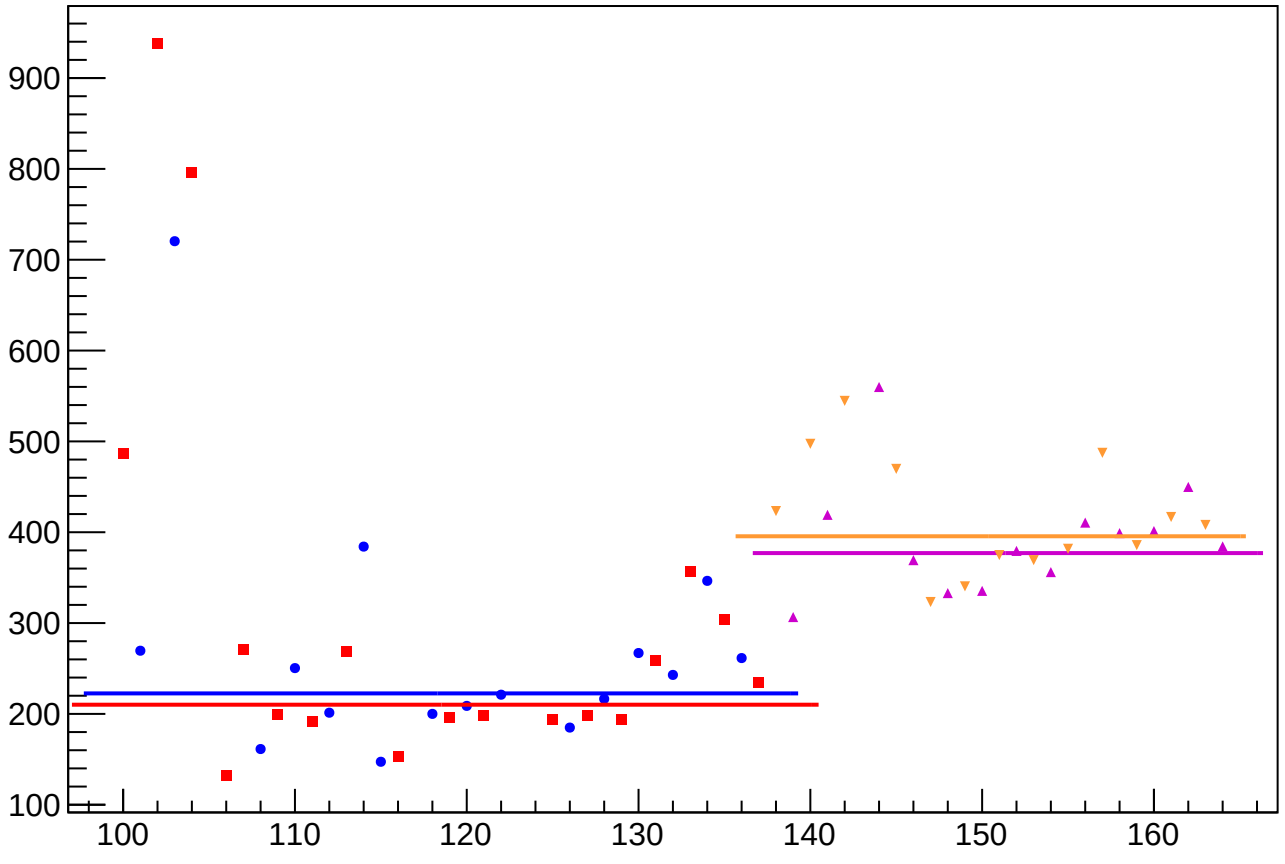
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.042+/-0.050 χ^2/NDF: 82.1/59

- 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: 395.551+/-0.089 χ^2/NDF:379022.7/12

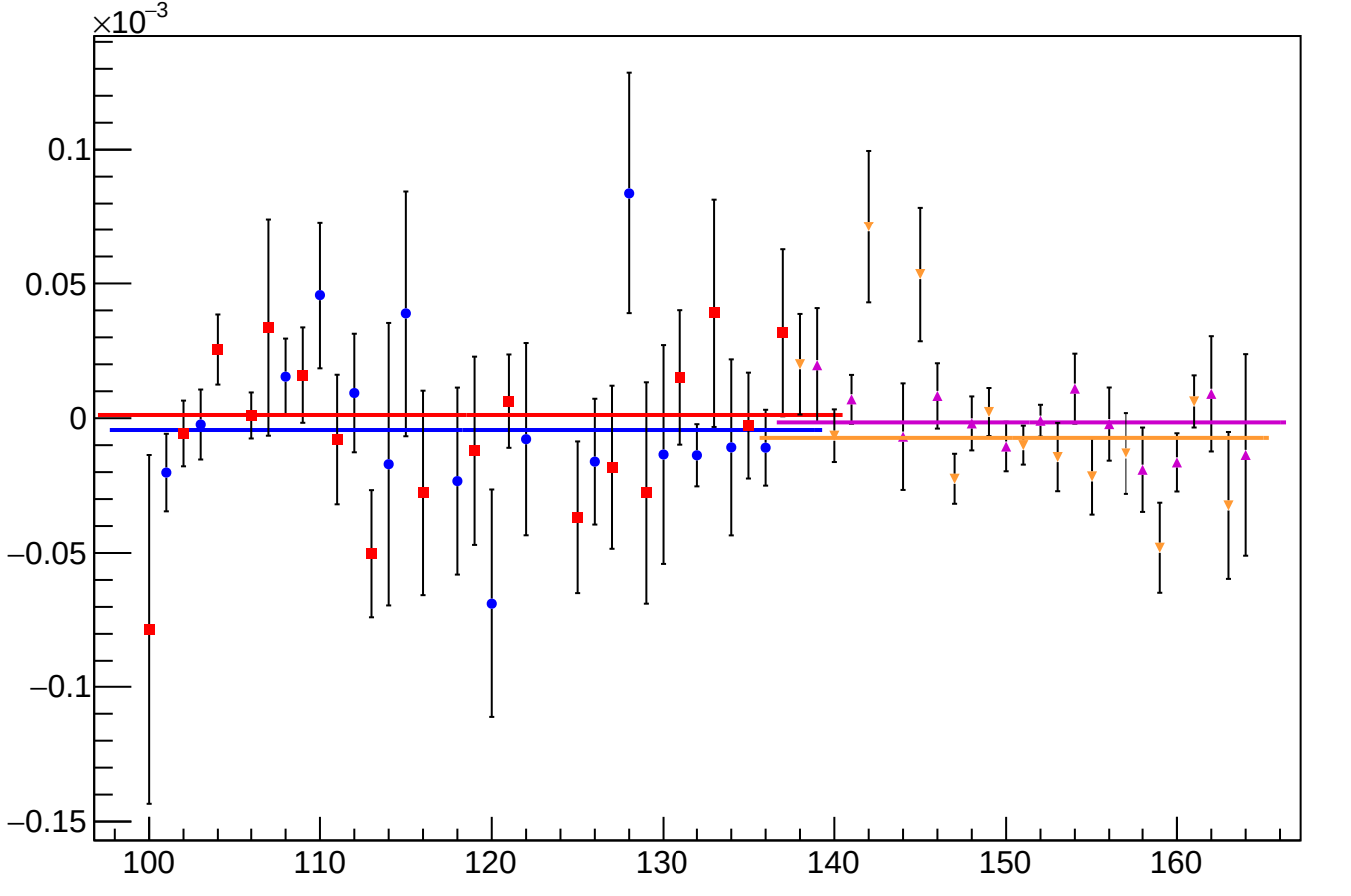
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

+ sign 280.058+/-0.051 χ^2/NDF: 3928146.4/28

All: 274.971+/-0.036 χ^2/NDF: 8537553.9/59

- 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:30.0/12

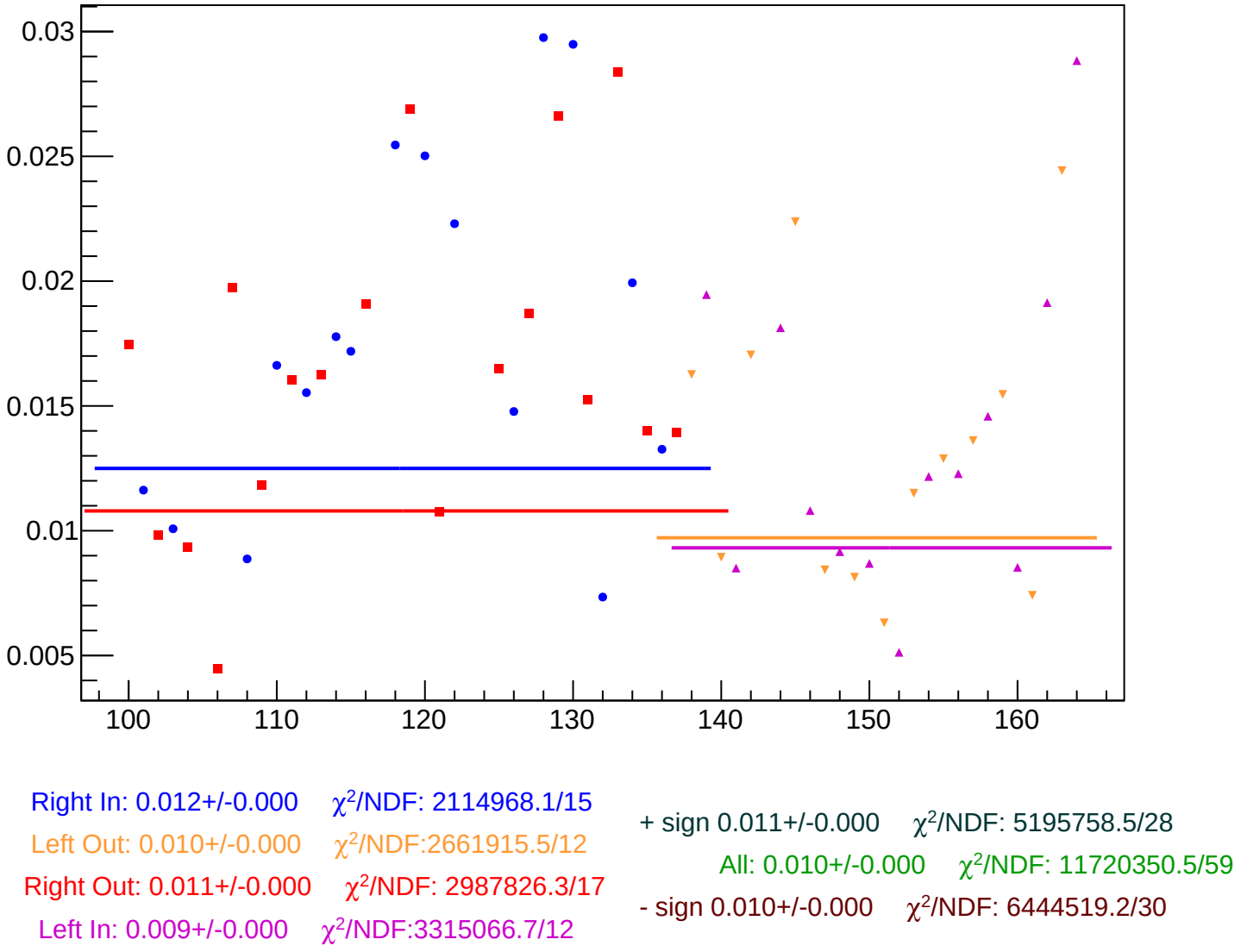
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

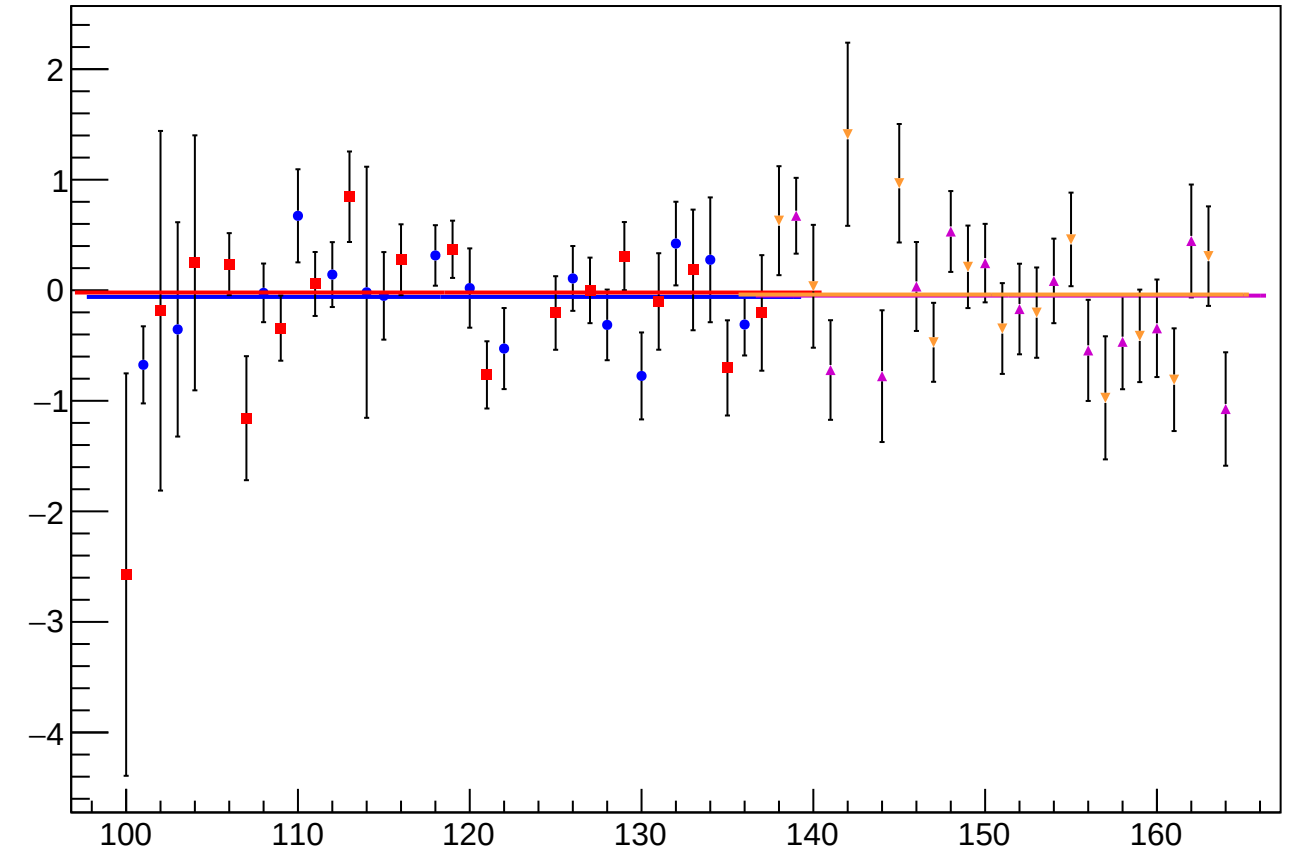
Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/28

All: -0.000+/-0.000 χ^2/NDF: 73.7/59

- 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:2661915.5/12
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: 5195758.5/28
All: 0.010+/-0.000 χ²/NDF: 11720350.5/59
- sign 0.010+/-0.000 χ²/NDF: 6444519.2/30



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.039+/-0.126 χ^2/NDF:19.4/12

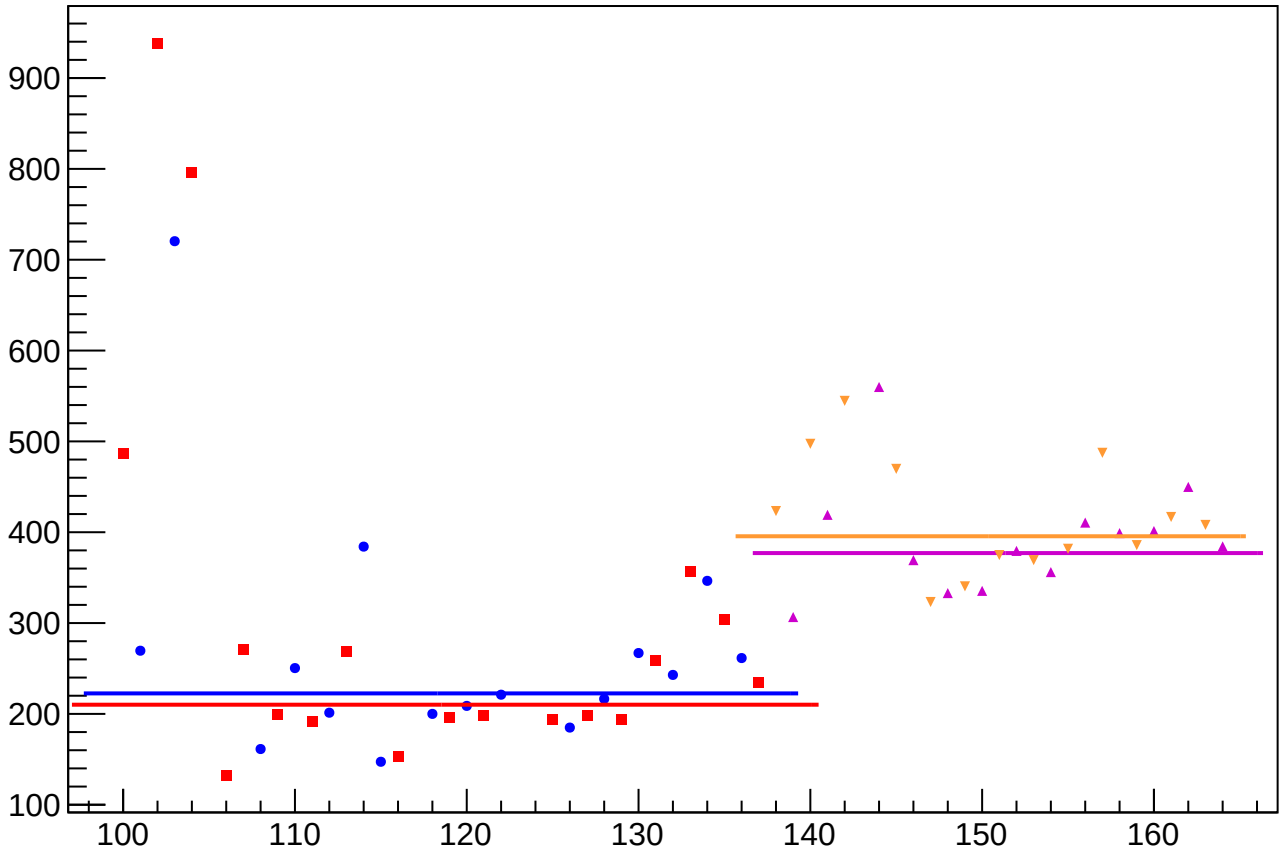
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.042+/-0.050 χ^2/NDF: 82.1/59

- 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: 395.557+/-0.089 χ^2/NDF:379028.0/12

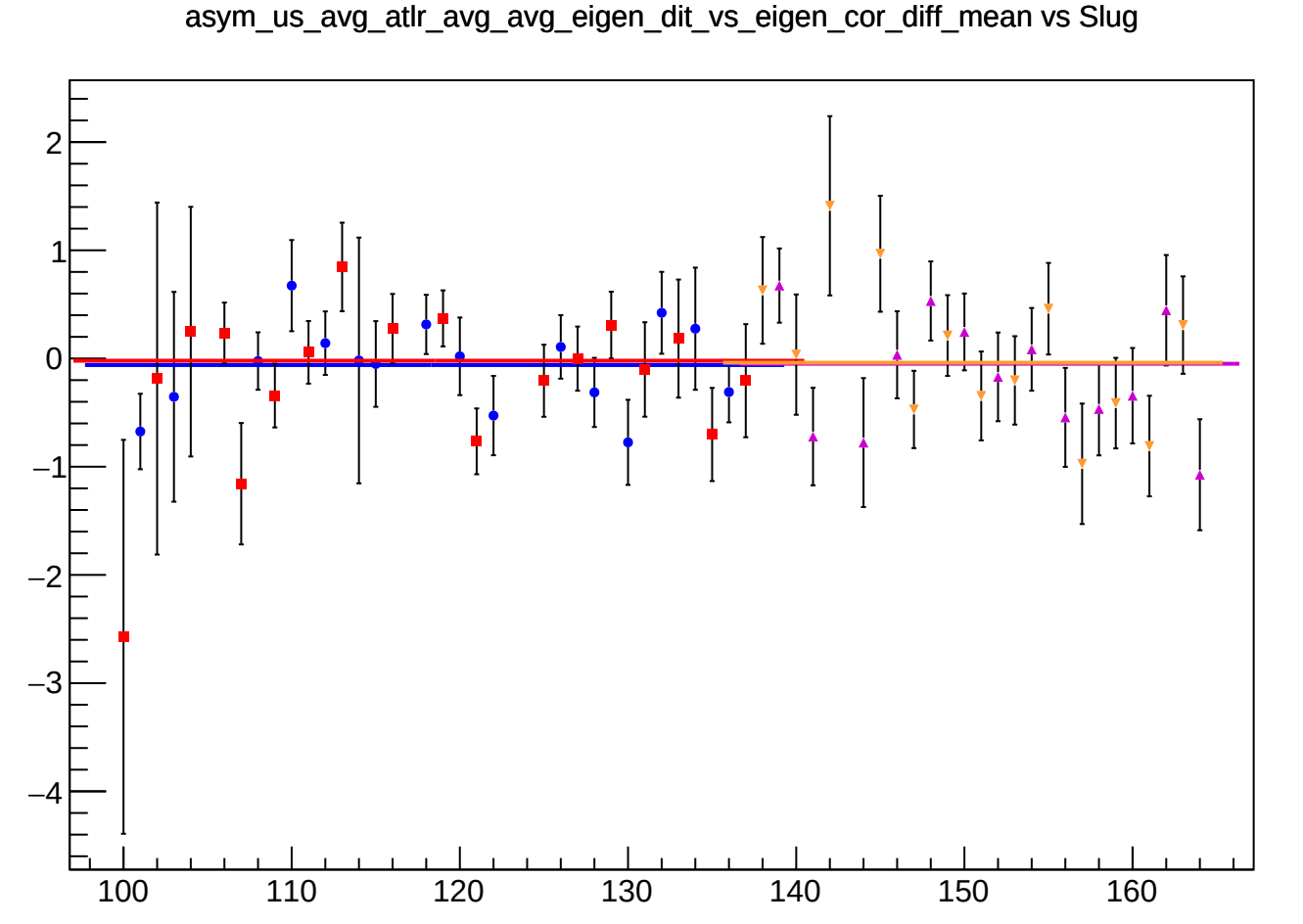
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

+ sign 280.057+/-0.051 χ^2/NDF: 3928330.7/28

All: 274.970+/-0.036 χ^2/NDF: 8537966.2/59

- 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: -0.039+/-0.126 χ^2/NDF:19.4/12

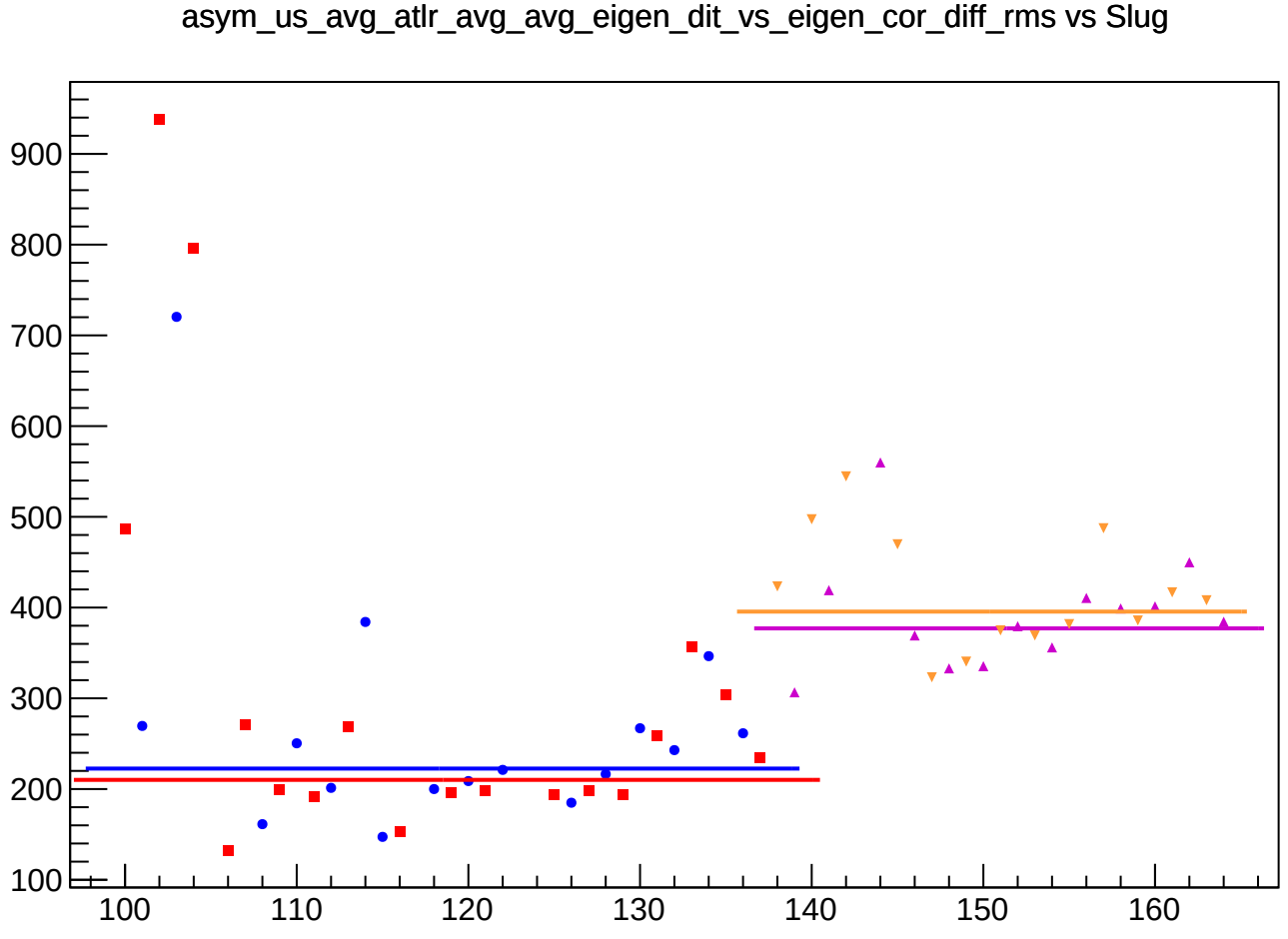
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.042+/-0.050 χ^2/NDF: 82.1/59

- 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: 395.557+/-0.089 χ^2/NDF:379028.0/12

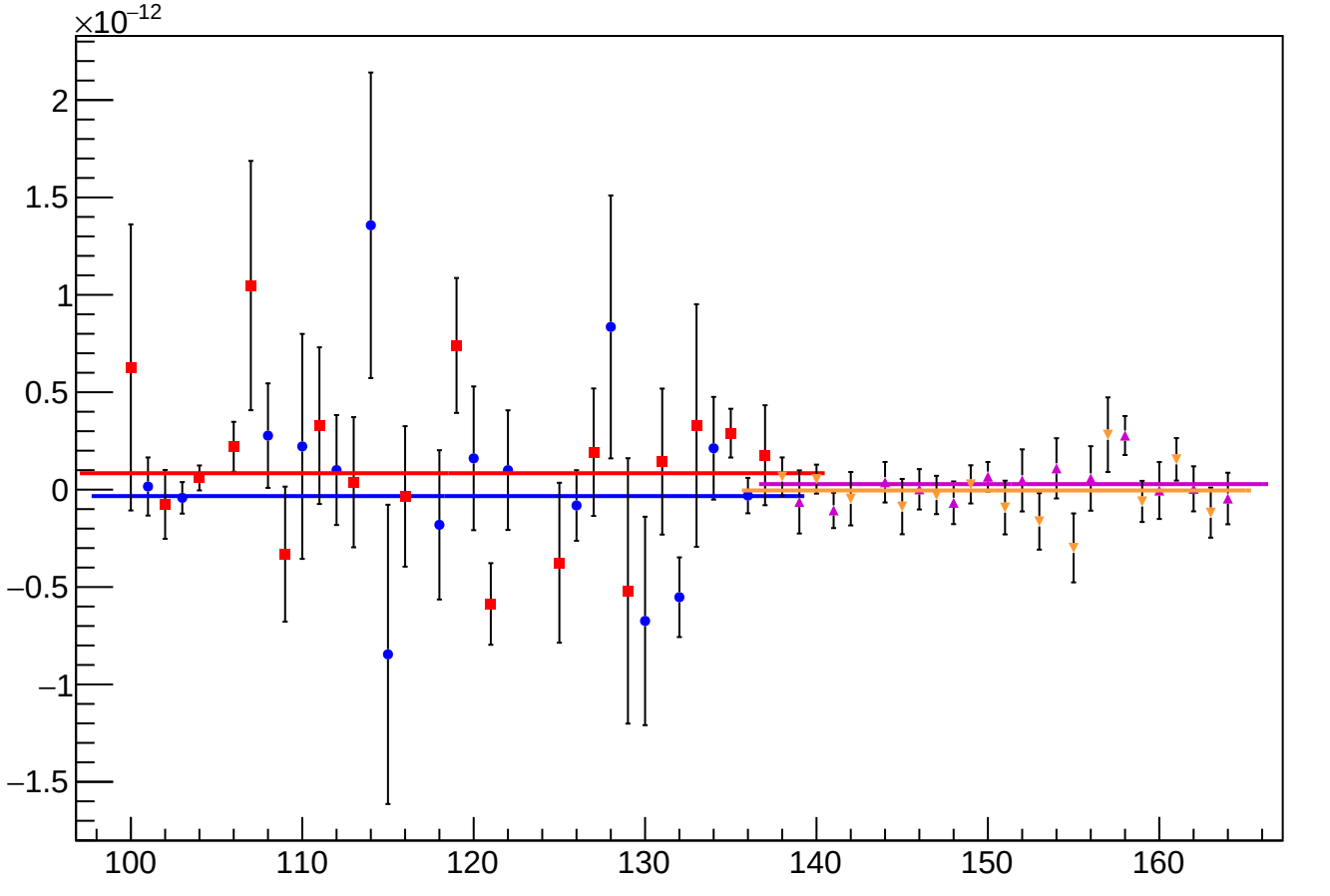
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

+ sign 280.057+/-0.051 χ^2/NDF: 3928330.7/28

All: 274.970+/-0.036 χ^2/NDF: 8537966.2/59

- 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:11.6/12

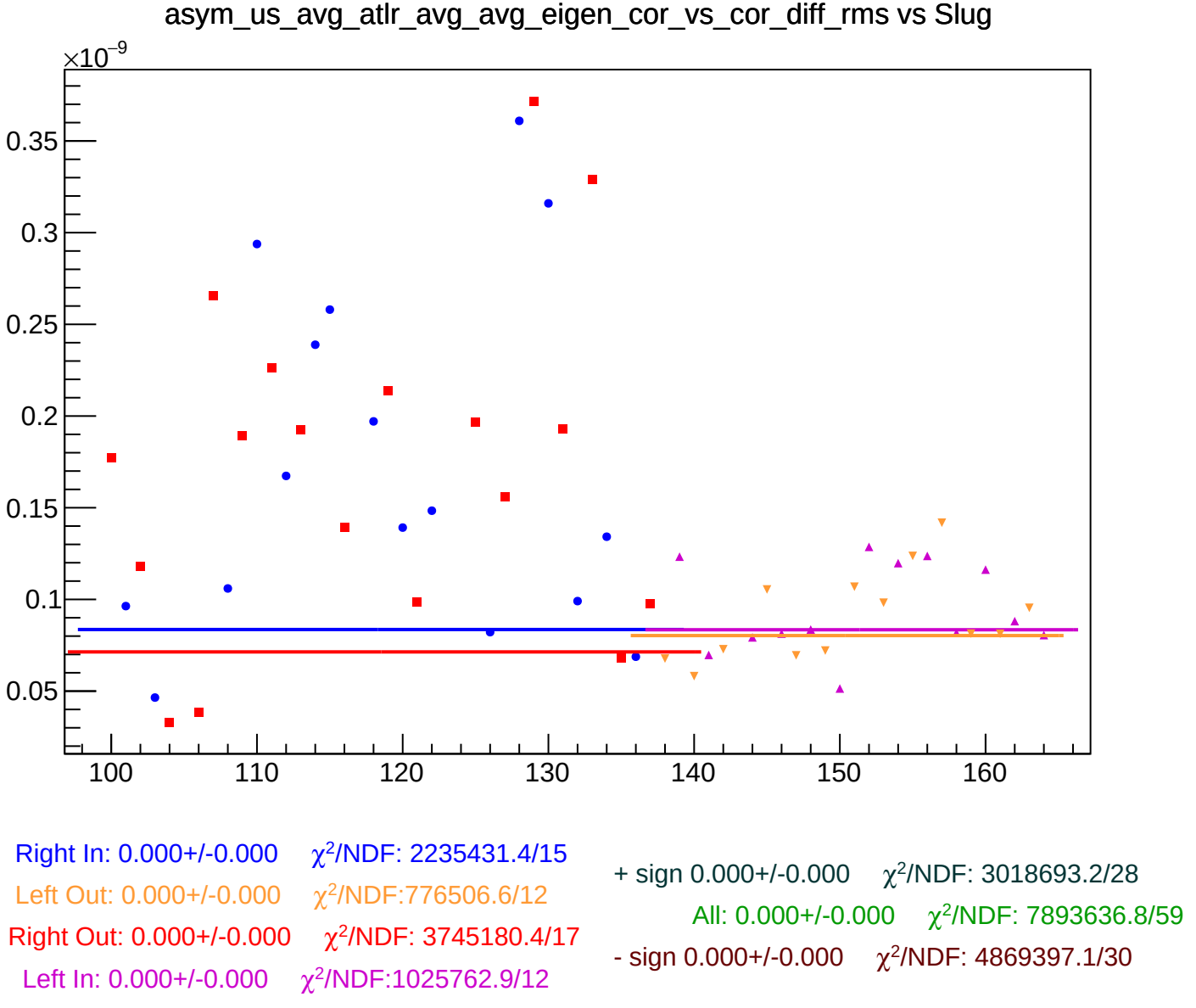
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.6/12

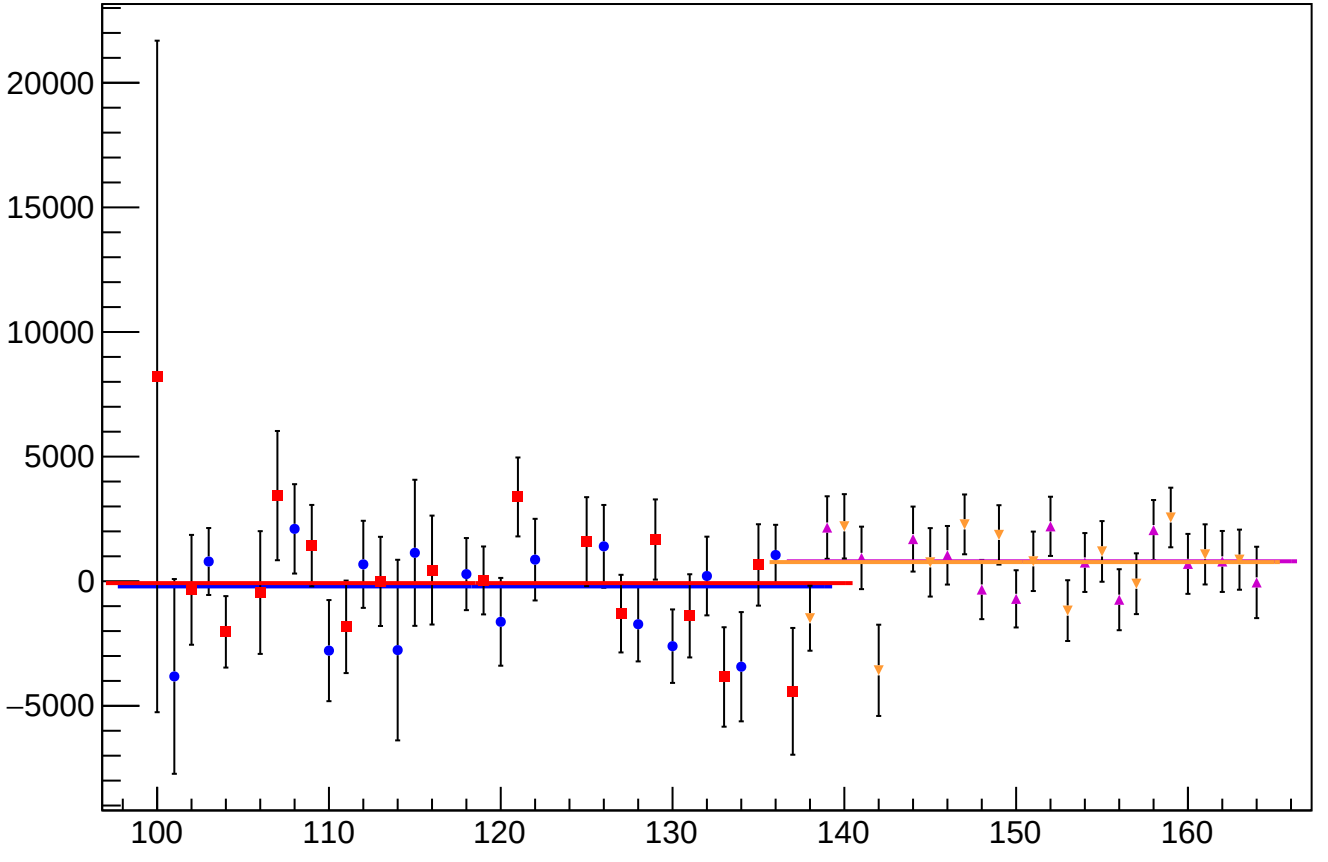
+ sign -0.000+/-0.000 χ^2/NDF: 29.1/28

All: 0.000+/-0.000 χ^2/NDF: 69.2/59

- sign 0.000+/-0.000 χ^2/NDF: 37.4/30


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:776506.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1025762.9/12
+ sign 0.000+/-0.000 χ²/NDF: 3018693.2/28
All: 0.000+/-0.000 χ²/NDF: 7893636.8/59
- sign 0.000+/-0.000 χ²/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: 768.126+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

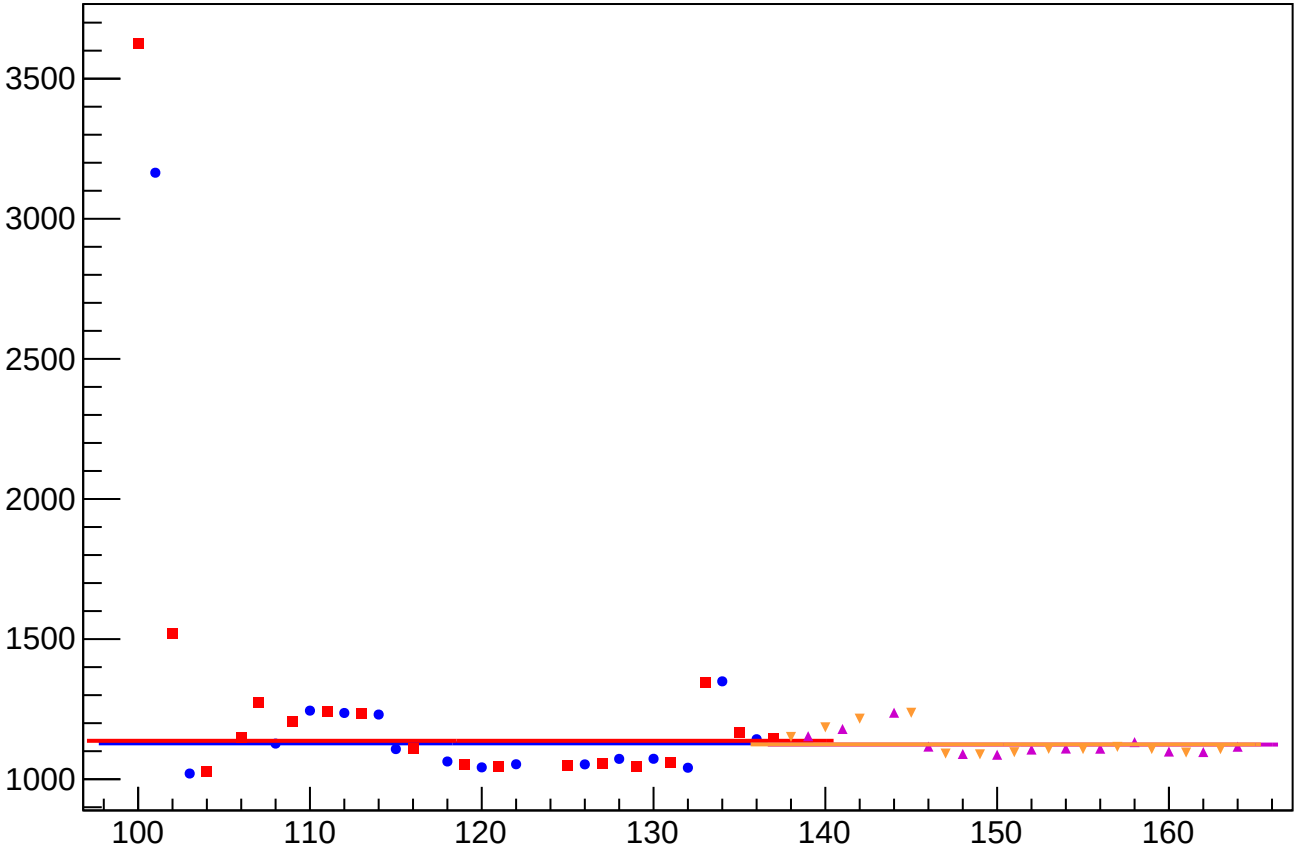
Left In: 800.104+/-339.451 χ^2/NDF:8.7/12

+ sign 379.544+/-270.724 χ^2/NDF: 35.7/28

All: 422.733+/-189.962 χ^2/NDF: 67.7/59

- 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: 1124.269+/-0.247 χ^2/NDF:30952.1/12

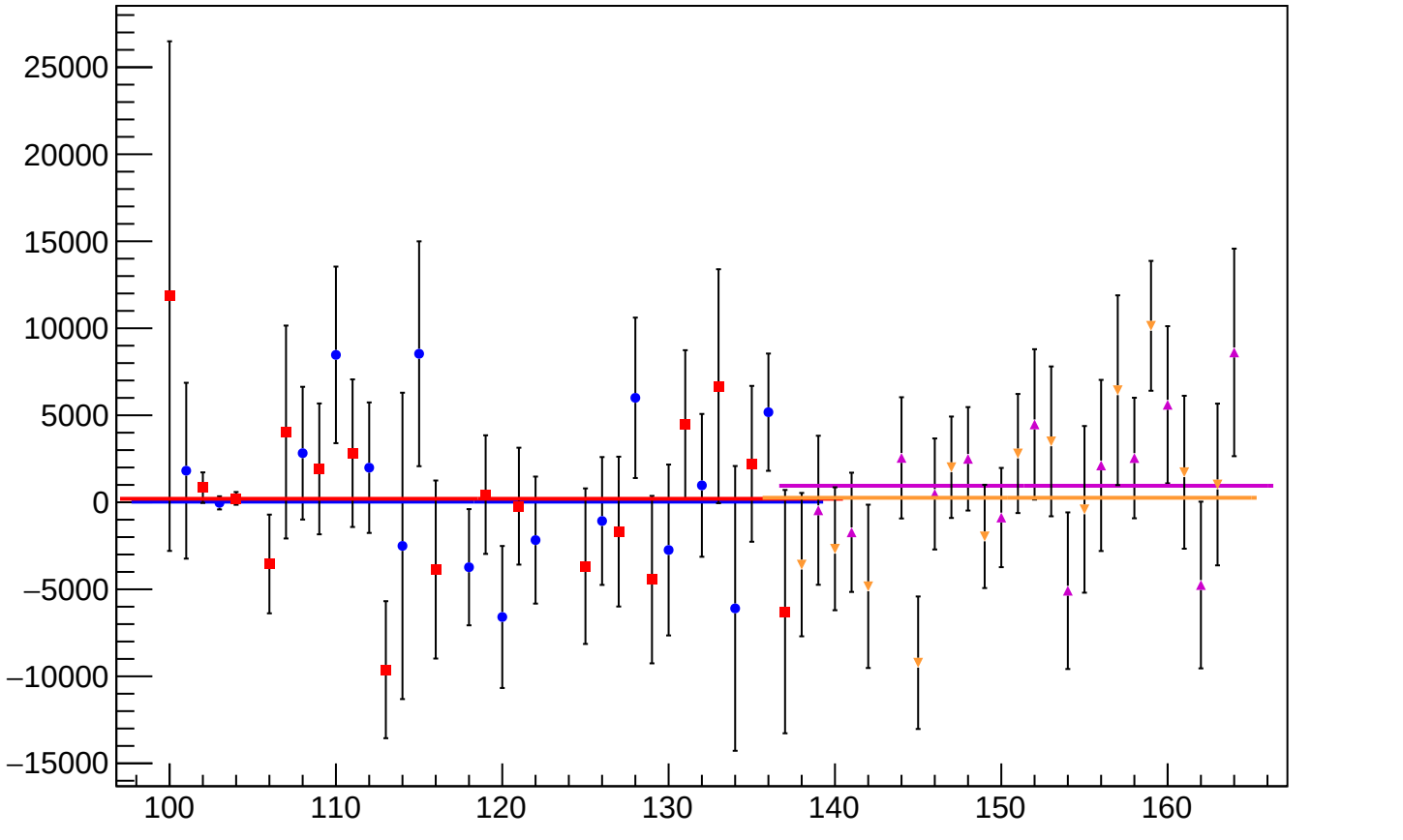
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.757+/-0.191 χ^2/NDF: 652437.9/28

All: 1127.284+/-0.134 χ^2/NDF: 900795.0/59

- 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: 259.719+/-1071.301 χ^2/NDF:19.4/12

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

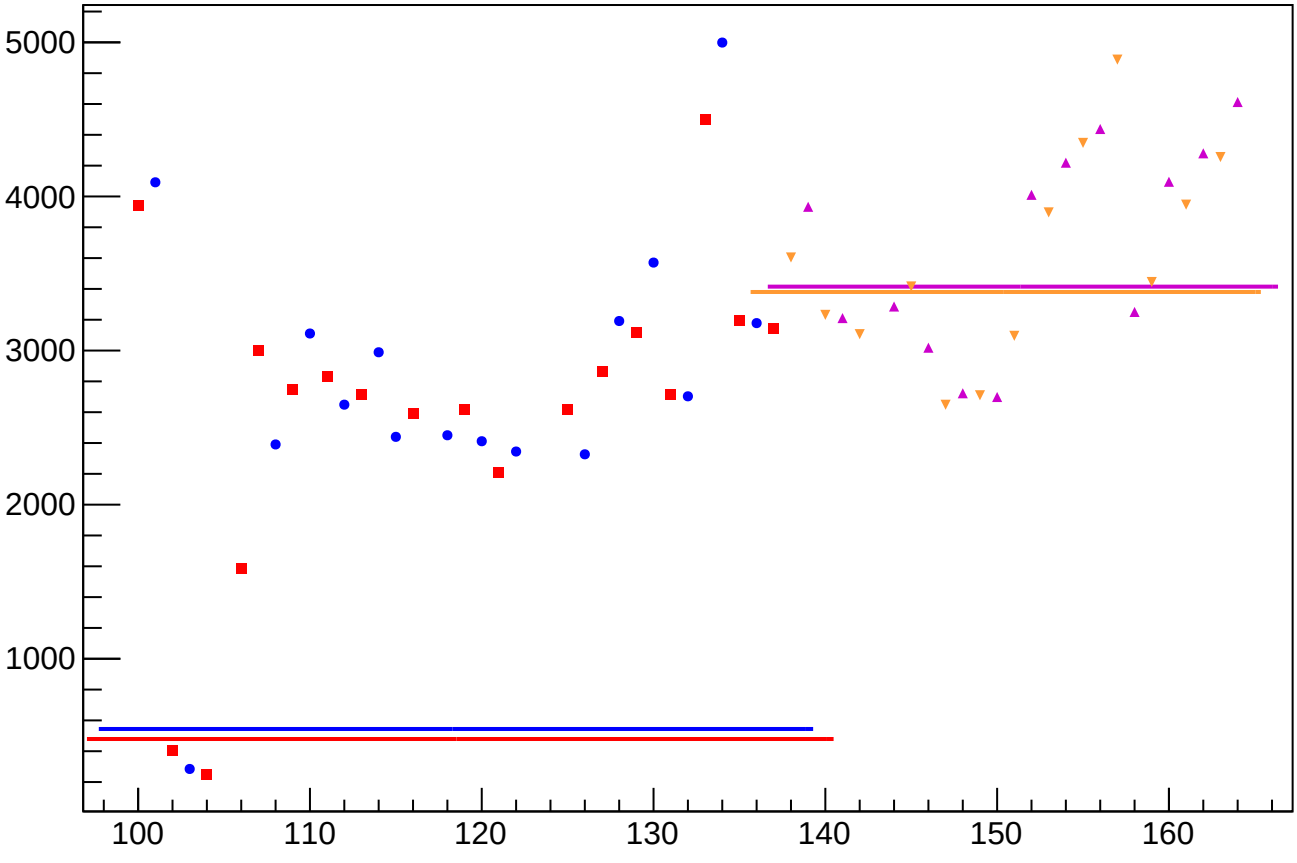
Left In: 949.762+/-1051.238 χ^2/NDF:8.5/12

+ sign 60.504+/-339.245 χ^2/NDF: 34.3/28

All: 173.037+/-228.182 χ^2/NDF: 59.1/59

- 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: 3380.126+/-0.758 χ^2/NDF:626615.6/12

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

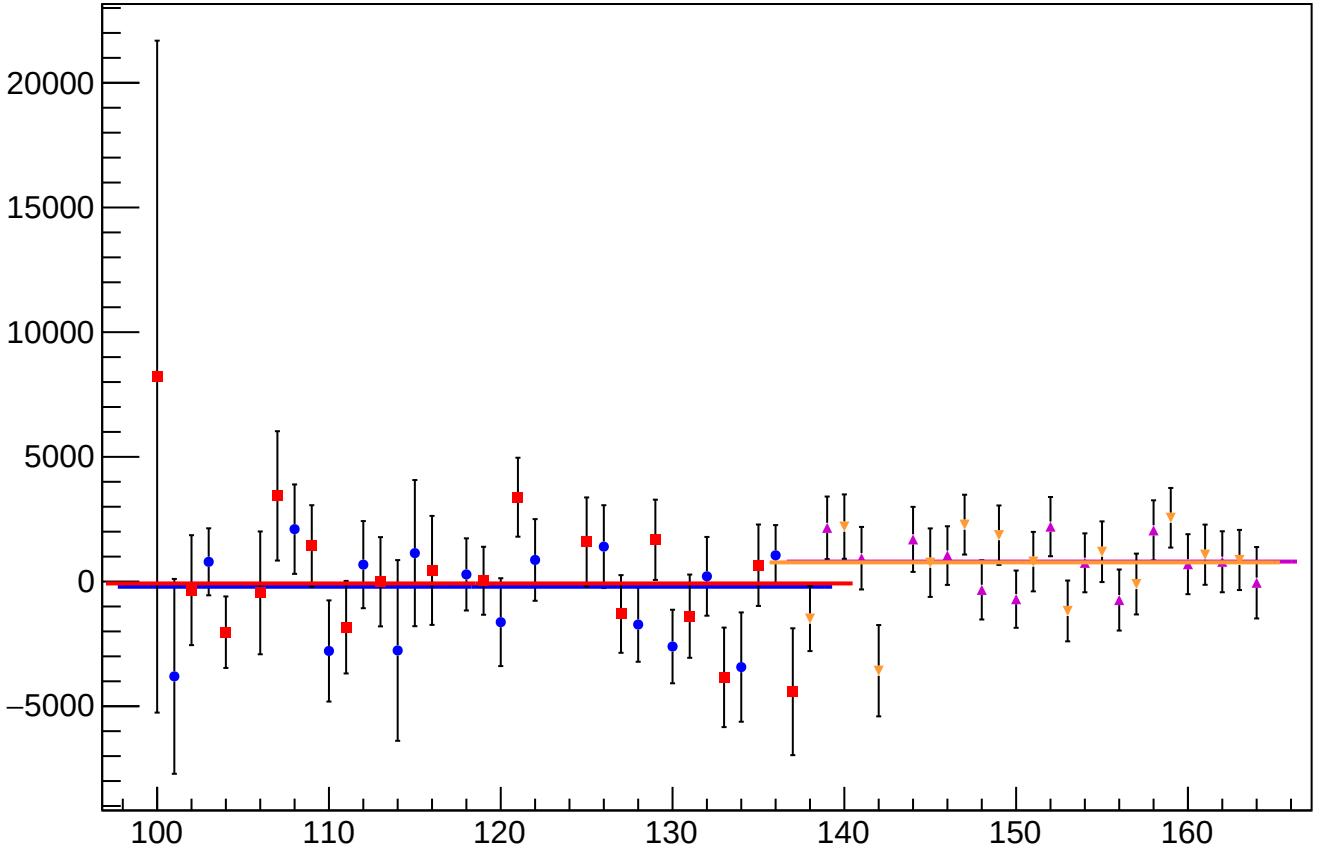
Left In: 3414.833+/-0.743 χ^2/NDF:688819.9/12

+ sign 828.703+/-0.240 χ^2/NDF: 22918091.4/28

All: 775.658+/-0.161 χ^2/NDF: 47138398.2/59

- 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: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

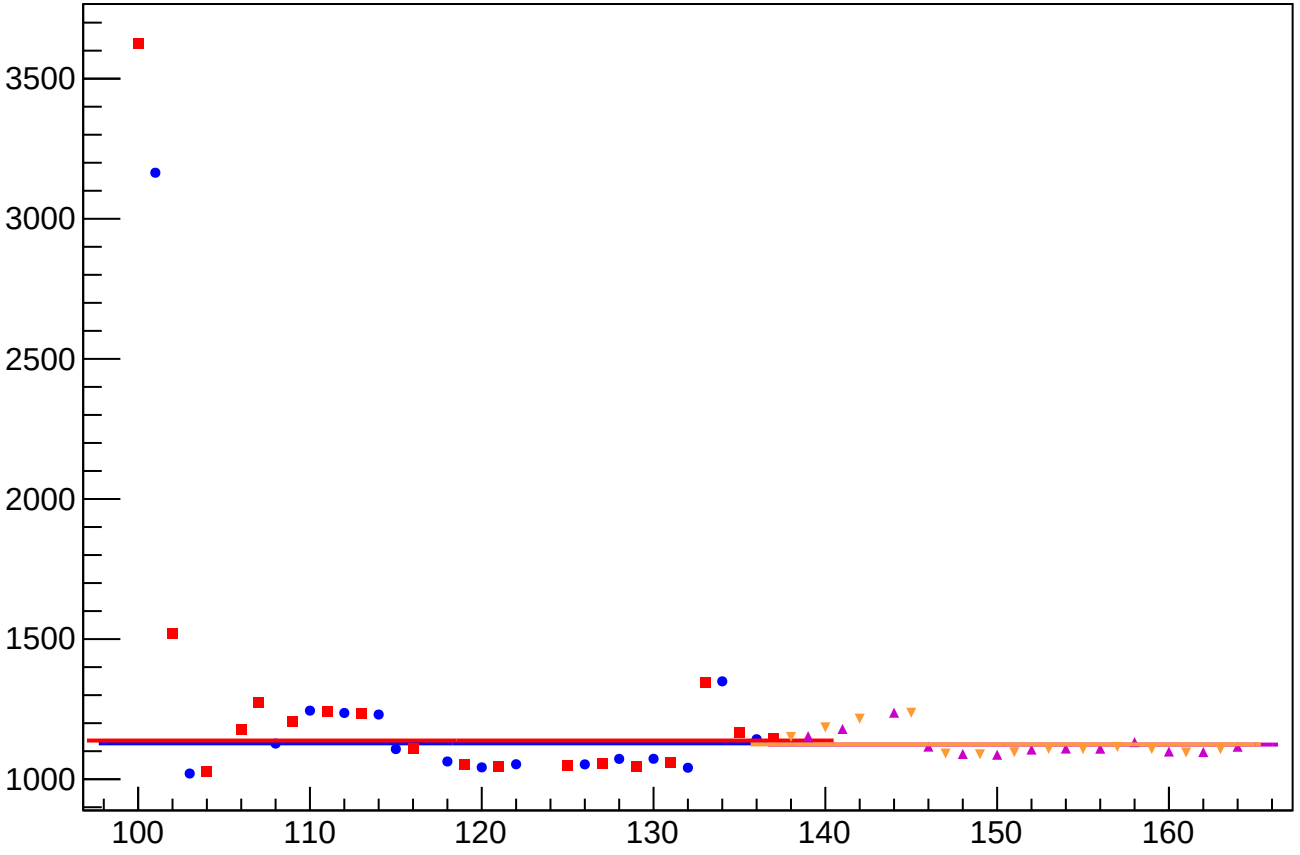
Left In: 800.130+/-339.451 χ^2/NDF:8.7/12

+ sign 379.656+/-270.724 χ^2/NDF: 35.7/28

All: 422.768+/-189.962 χ^2/NDF: 67.7/59

- 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: 1124.269+/-0.247 χ^2/NDF:30952.1/12

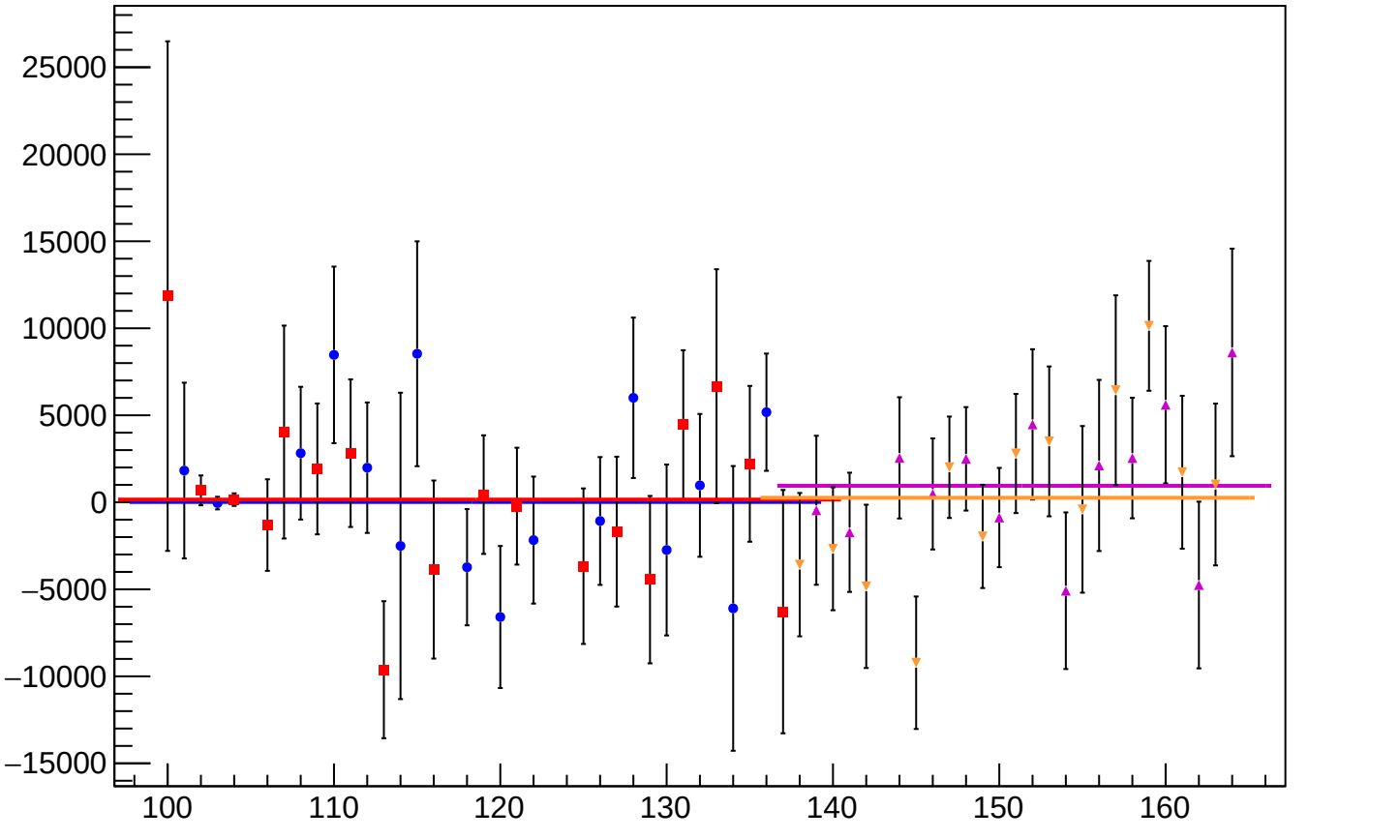
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.757+/-0.191 χ^2/NDF: 652439.0/28

All: 1127.465+/-0.134 χ^2/NDF: 901541.7/59

- 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: 259.744+/-1071.301 χ^2/NDF:19.4/12

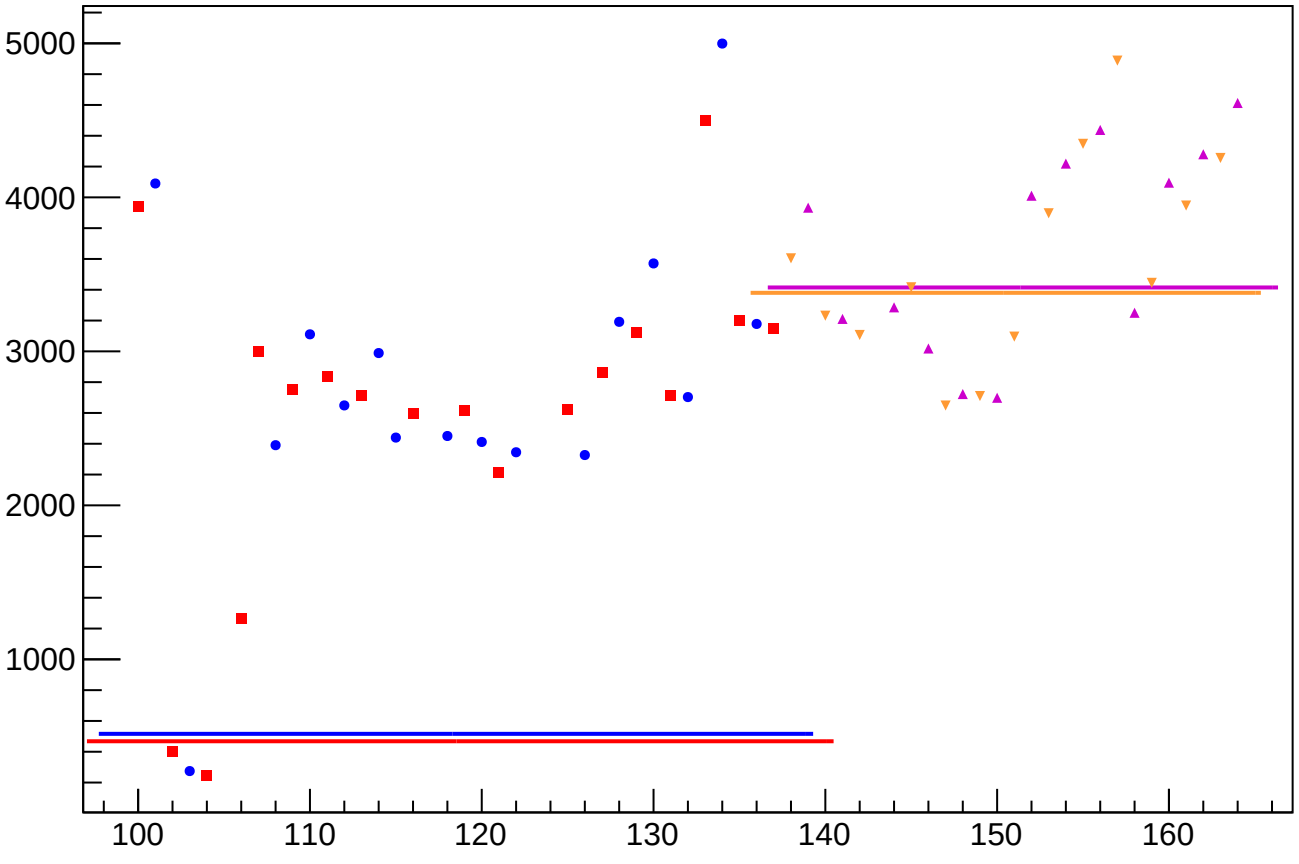
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 949.773+/-1051.237 χ^2/NDF:8.5/12

+ sign 43.962+/-327.982 χ^2/NDF: 34.3/28

All: 140.056+/-222.887 χ^2/NDF: 57.5/59

- 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: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

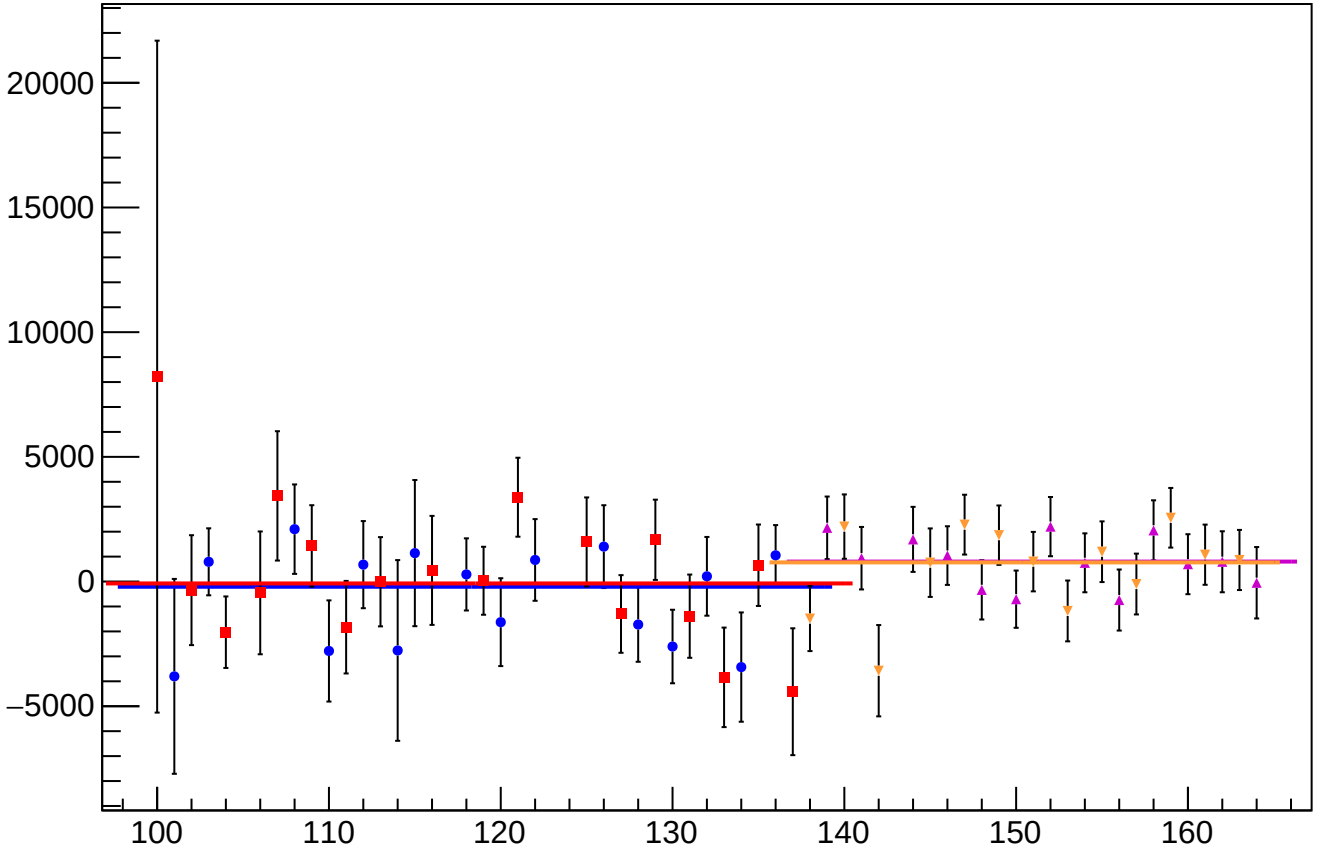
Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

+ sign 784.723+/-0.232 χ^2/NDF: 23413949.4/28

All: 746.770+/-0.158 χ^2/NDF: 47666328.7/59

- 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: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

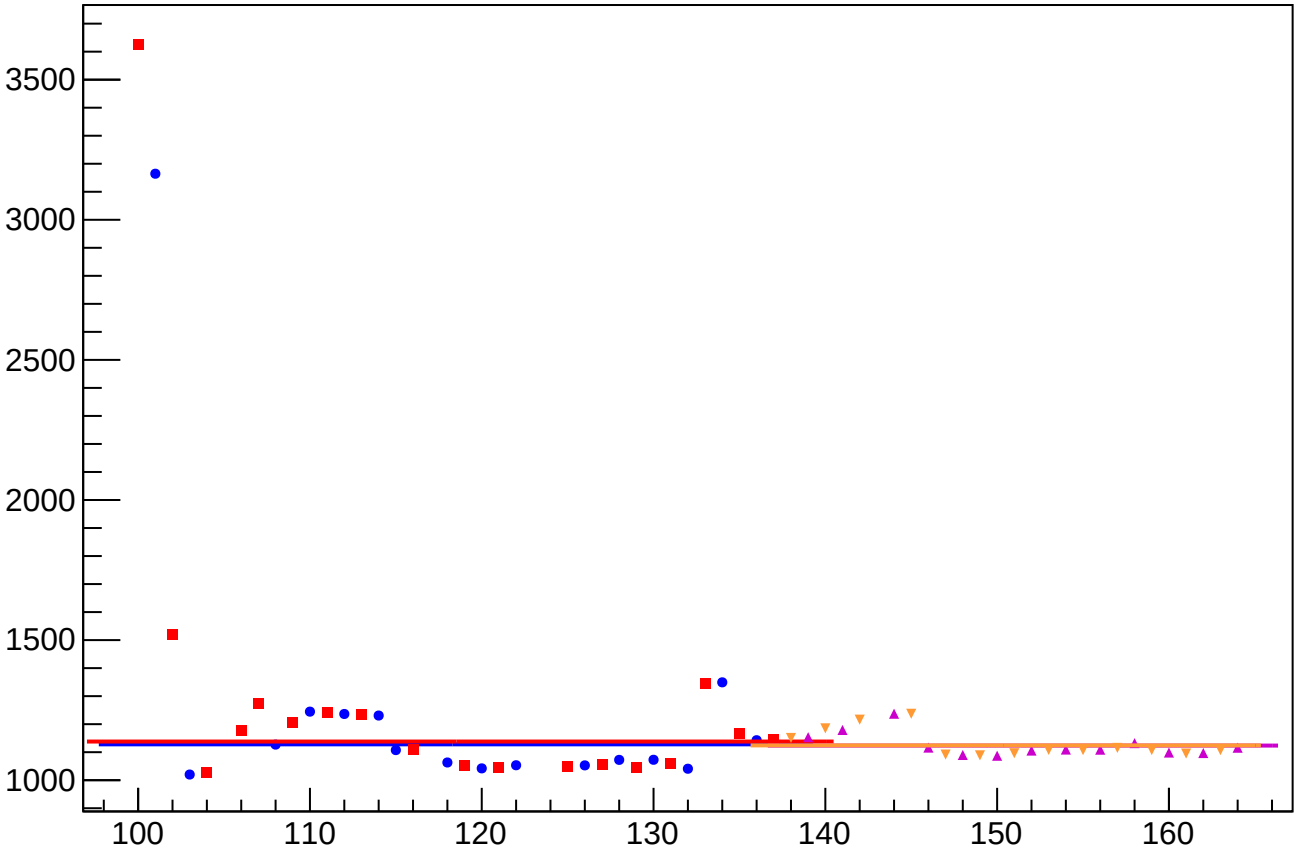
Left In: 800.130+/-339.451 χ^2/NDF:8.7/12

+ sign 379.656+/-270.724 χ^2/NDF: 35.7/28

All: 422.768+/-189.962 χ^2/NDF: 67.7/59

- 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: 1124.269+/-0.247 χ^2/NDF:30952.1/12

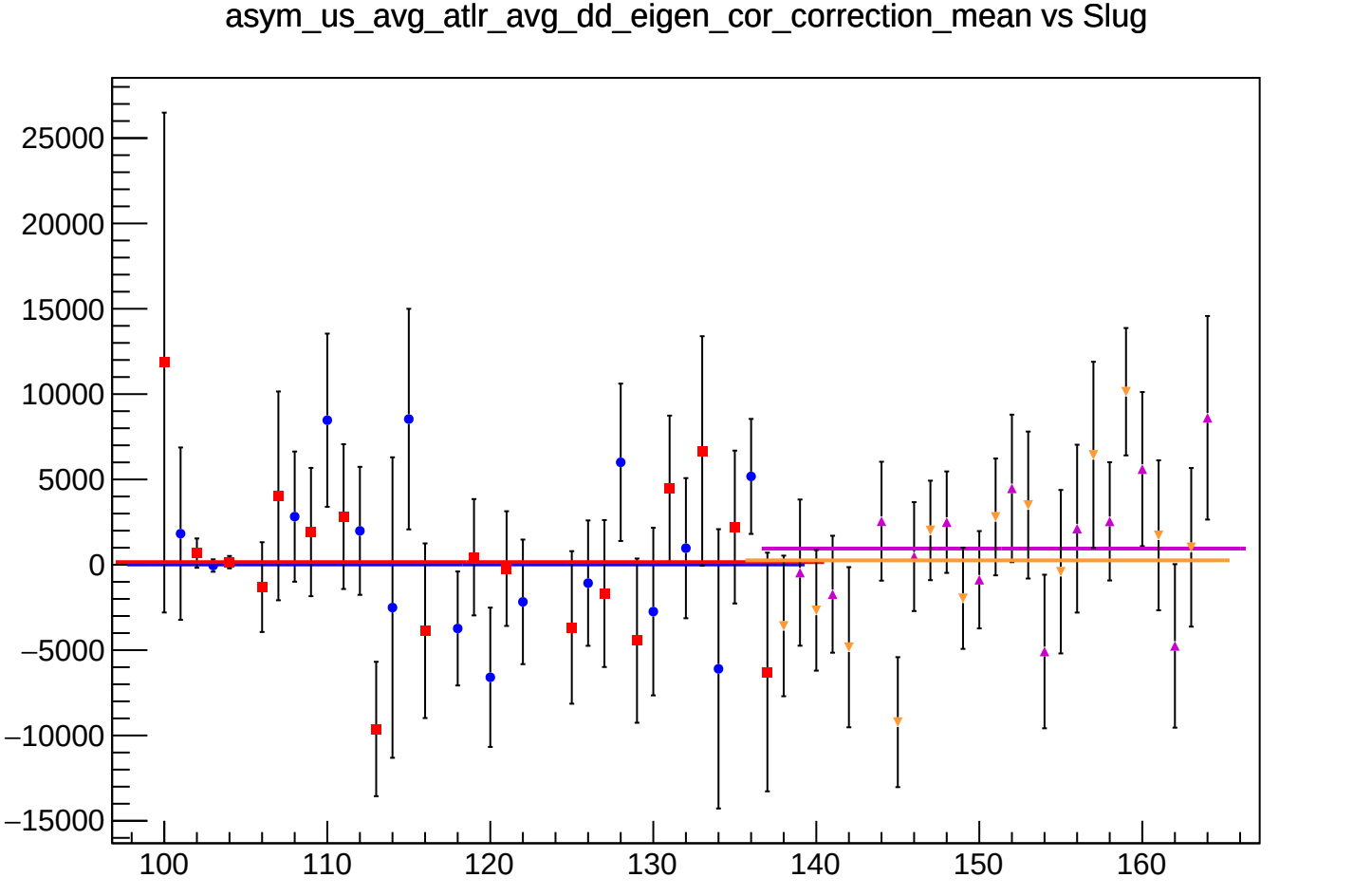
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.757+/-0.191 χ^2/NDF: 652439.0/28

All: 1127.465+/-0.134 χ^2/NDF: 901541.7/59

- 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: 259.744+/-1071.301 χ^2/NDF:19.4/12

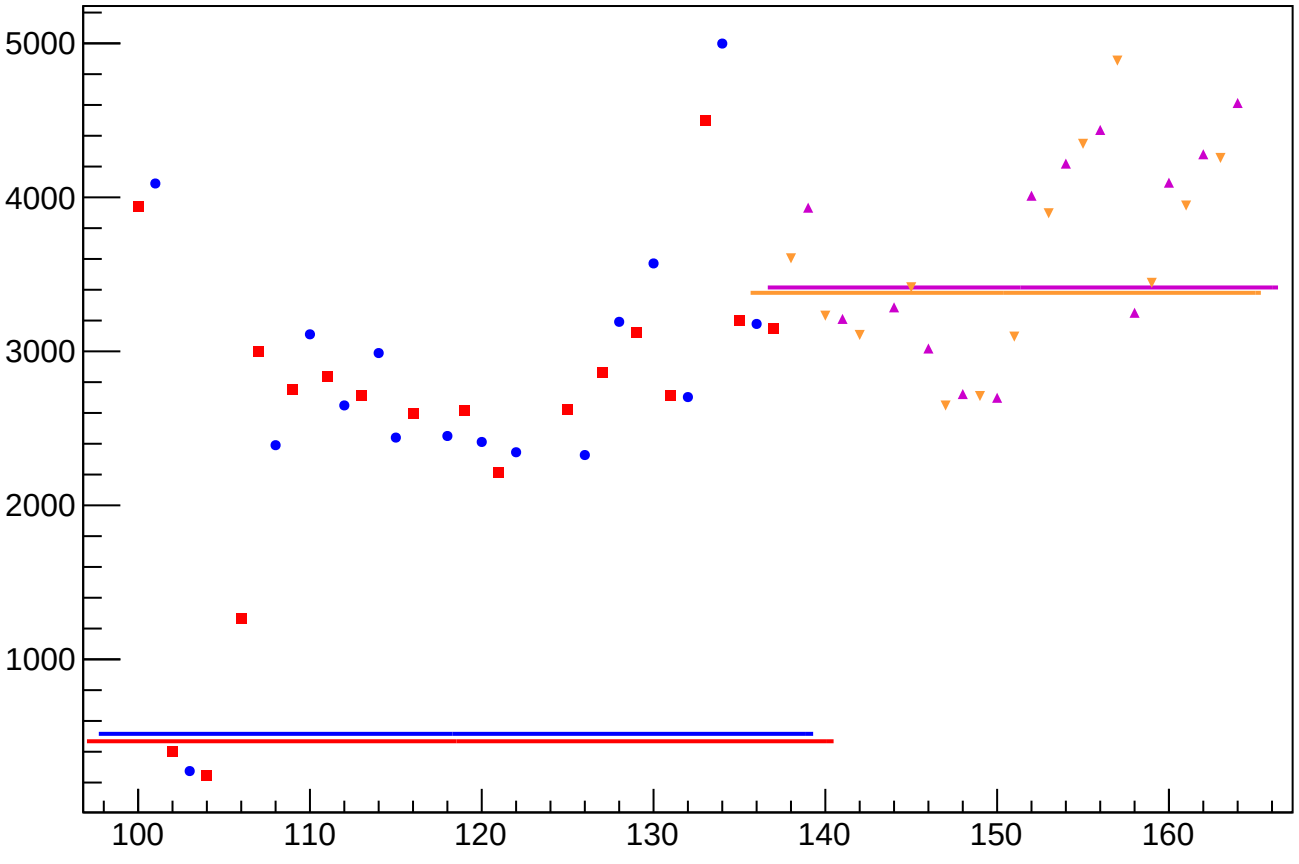
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 949.773+/-1051.237 χ^2/NDF:8.5/12

+ sign 43.962+/-327.982 χ^2/NDF: 34.3/28

All: 140.056+/-222.887 χ^2/NDF: 57.5/59

- 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: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

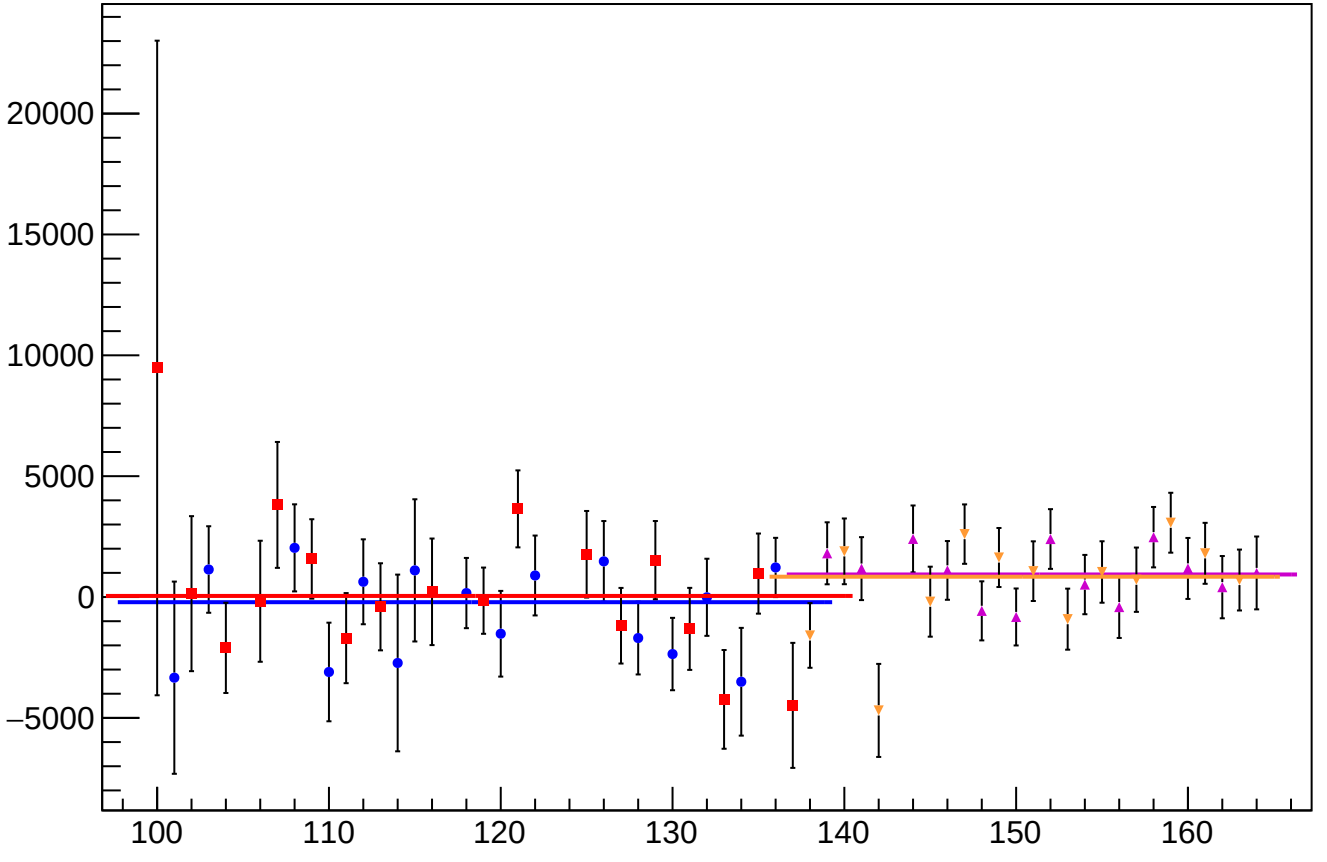
Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

+ sign 784.723+/-0.232 χ^2/NDF: 23413949.4/28

All: 746.770+/-0.158 χ^2/NDF: 47666328.7/59

- 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: 840.880+/-363.743 χ^2/NDF:21.0/12

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

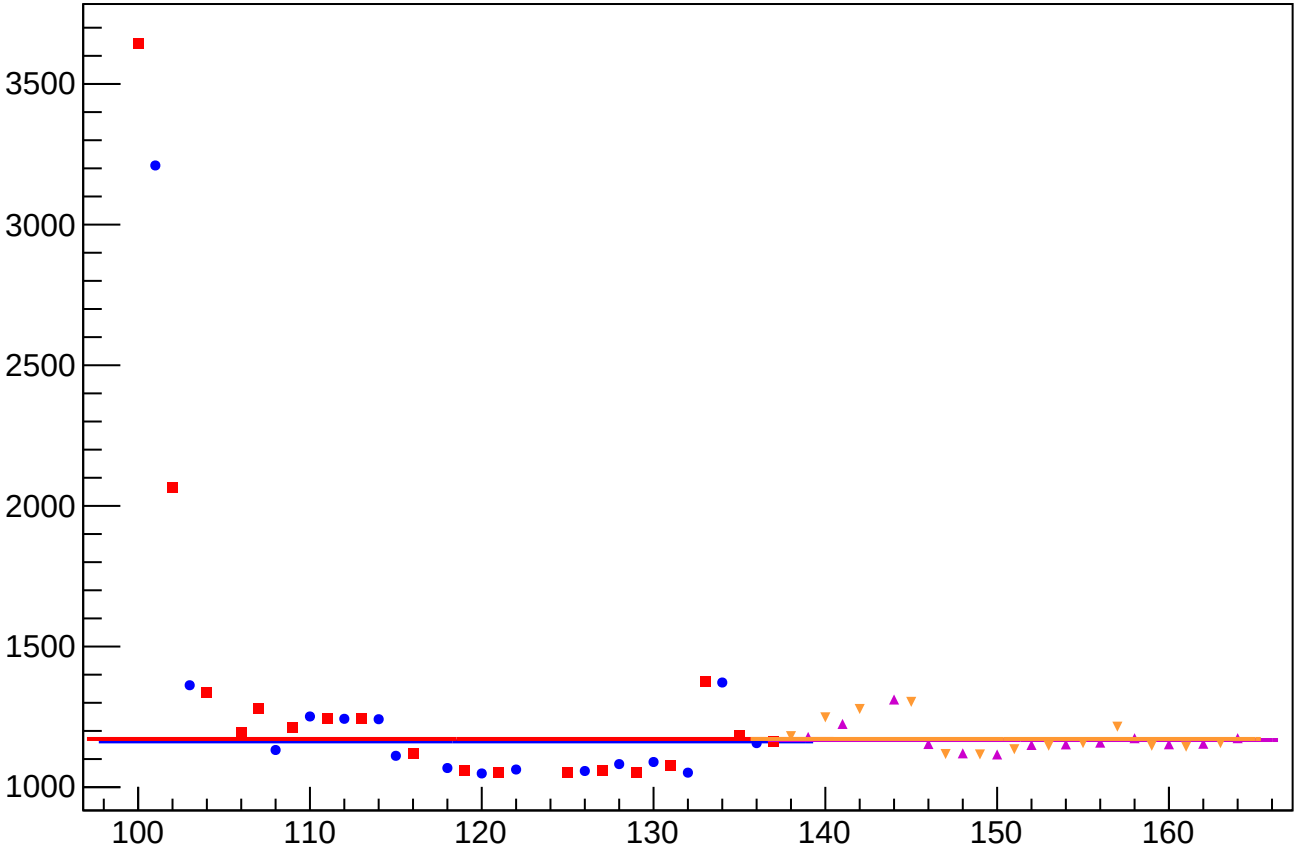
Left In: 933.395+/-352.870 χ^2/NDF:9.8/12

+ sign 416.093+/-281.040 χ^2/NDF: 38.7/28

All: 505.684+/-197.289 χ^2/NDF: 72.8/59

- 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: 1171.478+/-0.257 χ^2/NDF:43956.5/12

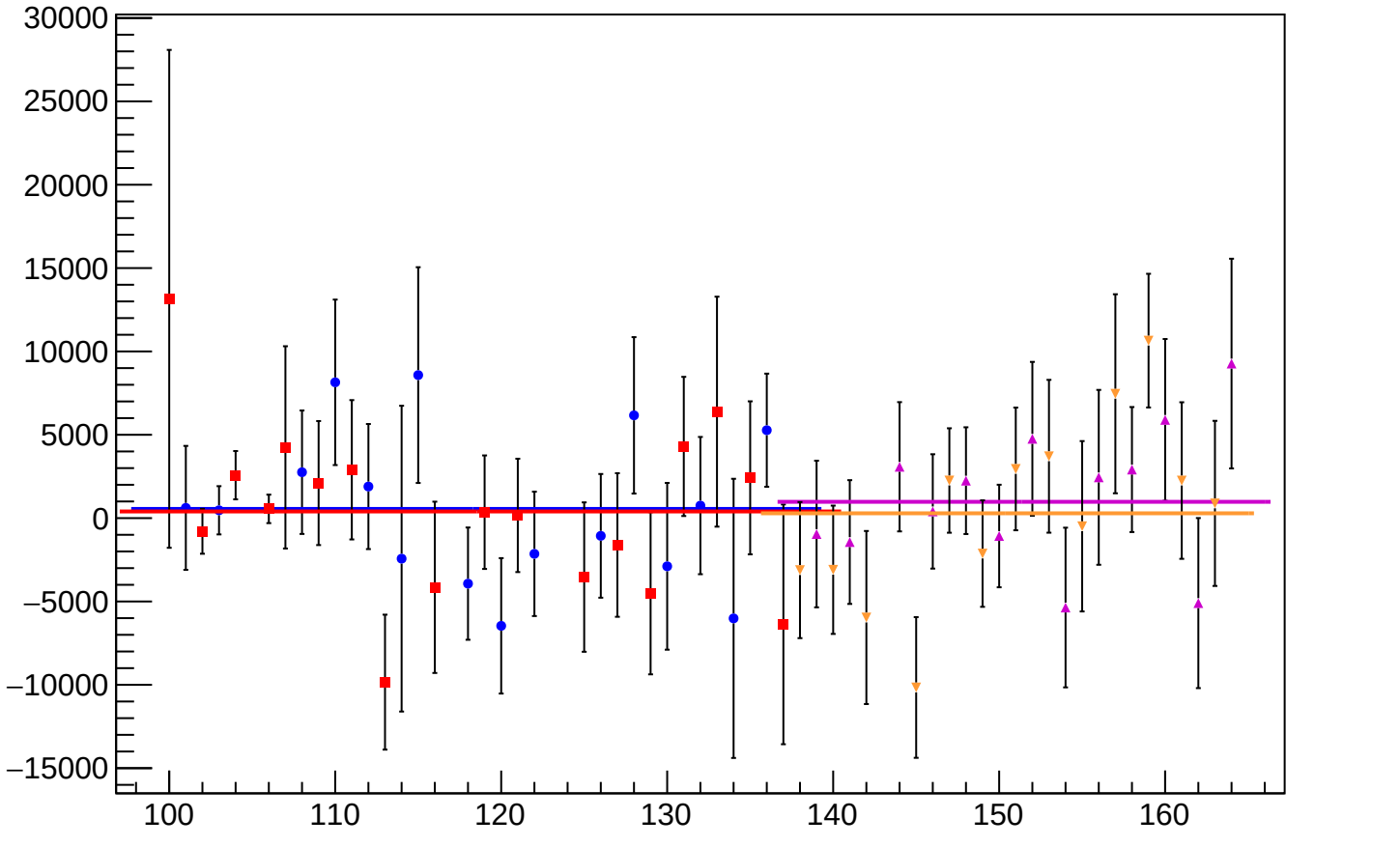
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.688+/-0.250 χ^2/NDF:34175.5/12

+ sign 1168.001+/-0.199 χ^2/NDF: 679763.4/28

All: 1168.569+/-0.139 χ^2/NDF: 1045681.7/59

- 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: 289.713+/-1149.485 χ^2/NDF:19.4/12

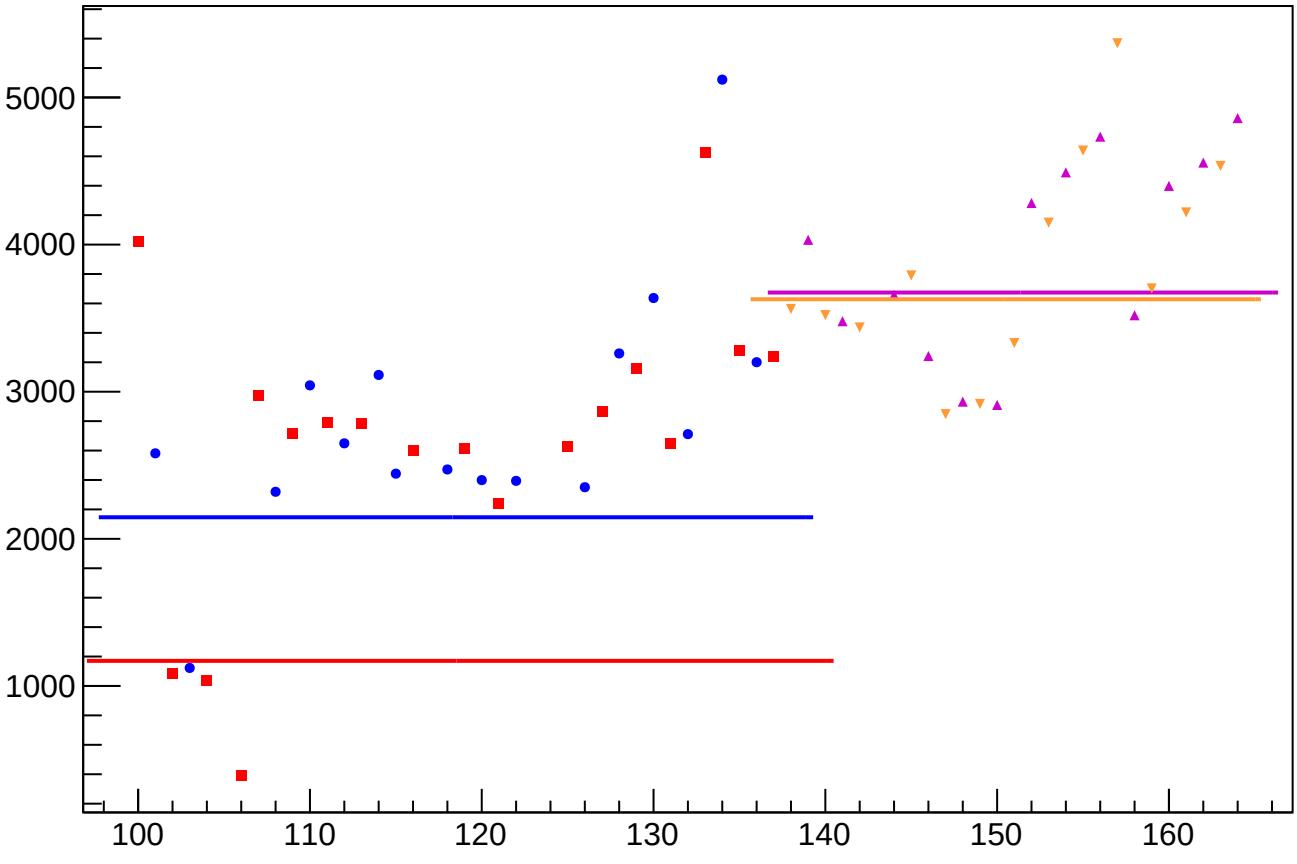
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 978.731+/-1129.902 χ^2/NDF:8.5/12

\+ sign 456.225+/-695.796 χ^2/NDF: 33.9/28

All: 495.582+/-409.212 χ^2/NDF: 59.2/59

\- 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: 3628.464+/-0.813 χ^2/NDF:617547.2/12

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

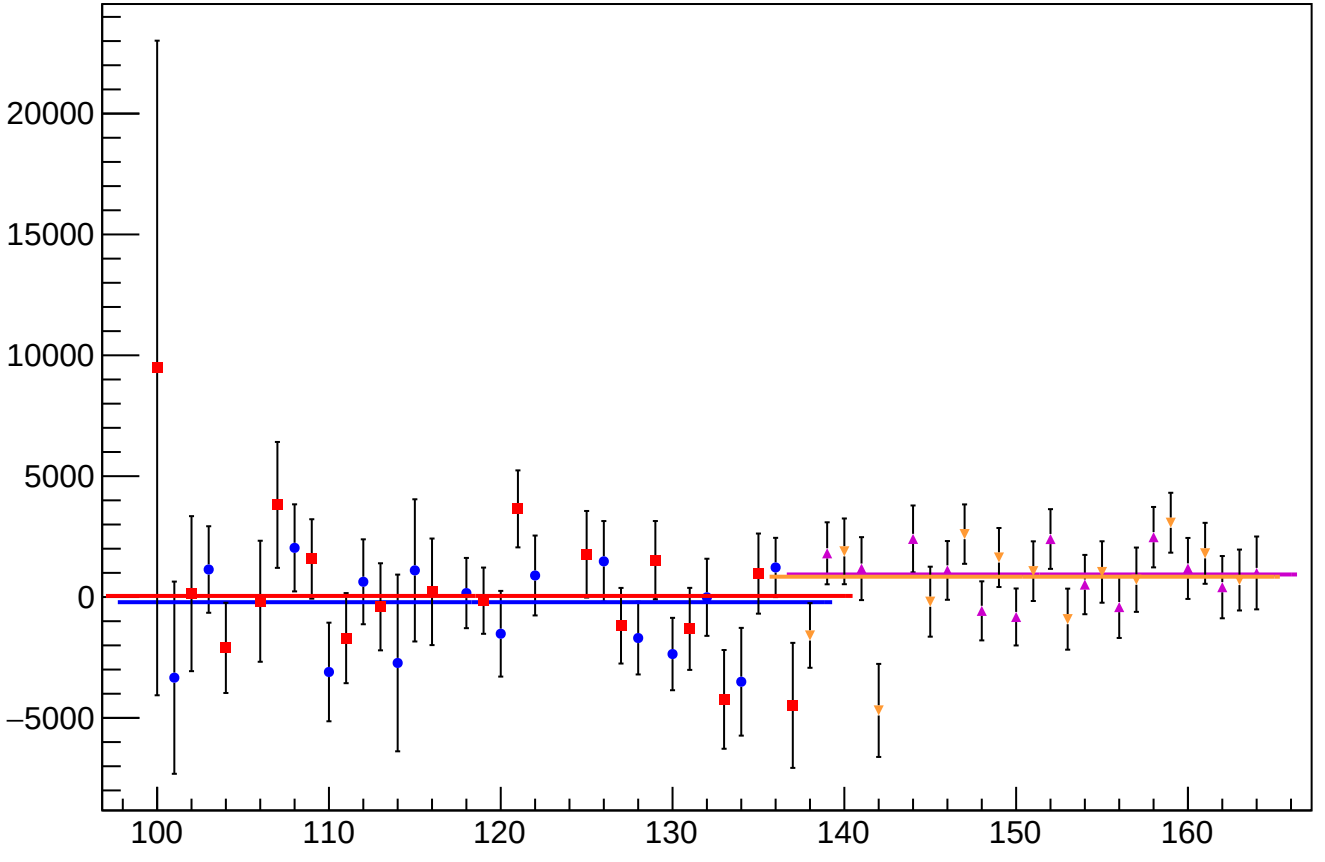
Left In: 3674.132+/-0.799 χ^2/NDF:634789.7/12

+ sign 2689.568+/-0.492 χ^2/NDF: 4698206.7/28

All: 2024.347+/-0.289 χ^2/NDF: 21795251.7/5

- 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: 840.882+/-363.743 χ^2/NDF:21.0/12

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

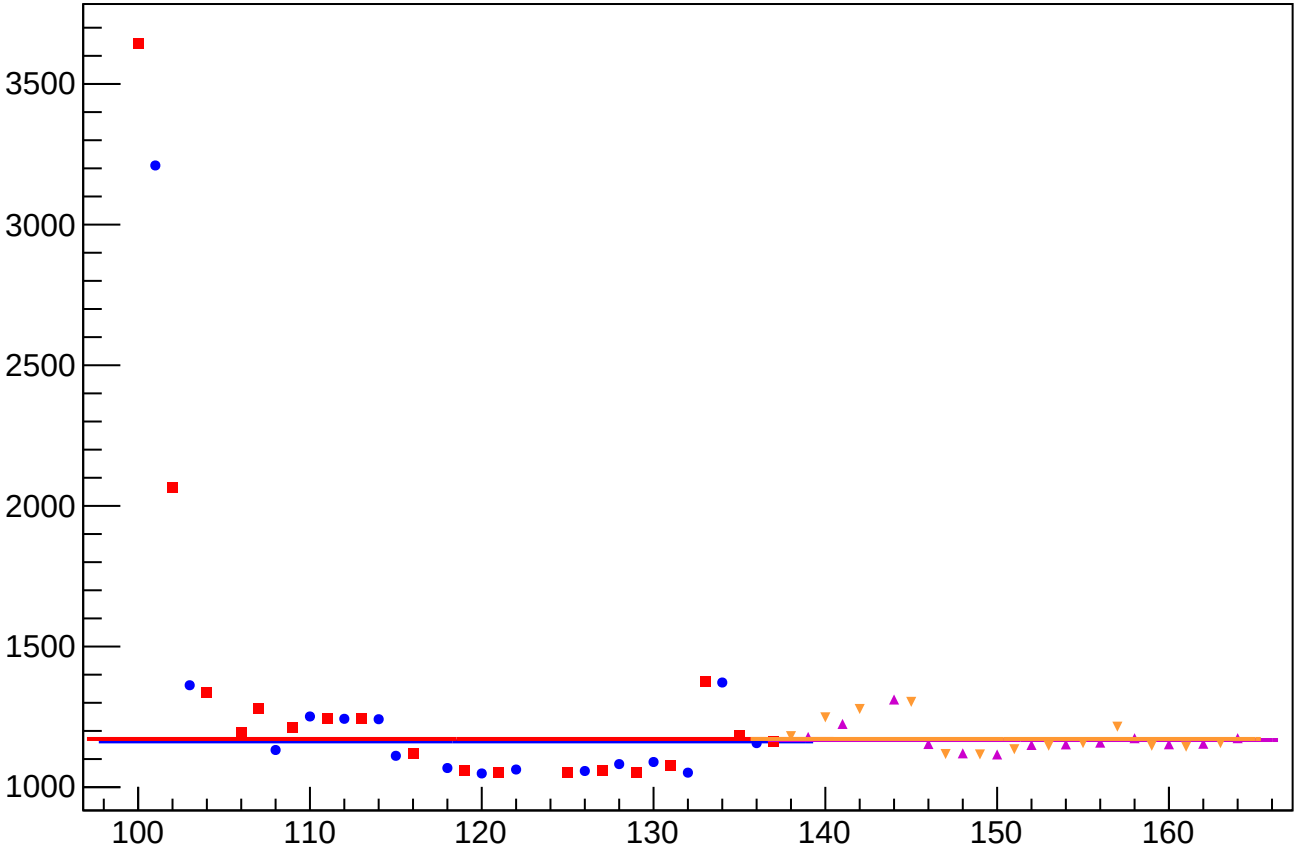
Left In: 933.395+/-352.870 χ^2/NDF:9.8/12

+ sign 416.093+/-281.040 χ^2/NDF: 38.7/28

All: 505.684+/-197.289 χ^2/NDF: 72.8/59

- 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: 1171.479+/-0.257 χ^2/NDF:43956.8/12

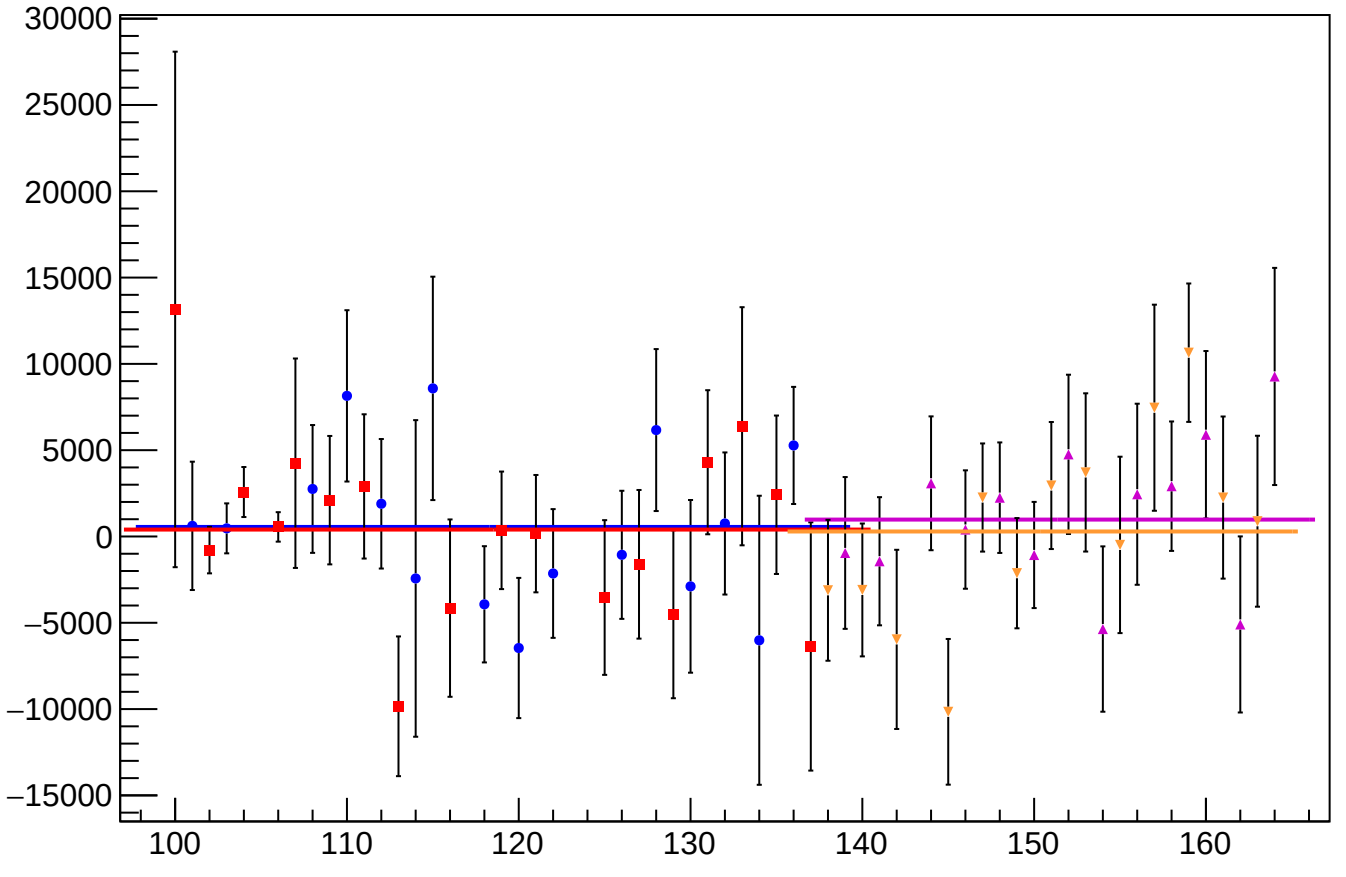
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1167.689+/-0.250 χ^2/NDF:34175.7/12

+ sign 1168.002+/-0.199 χ^2/NDF: 679763.9/28

All: 1168.570+/-0.139 χ^2/NDF: 1045682.0/59

- 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: 289.713+/-1149.486 χ^2/NDF:19.4/12

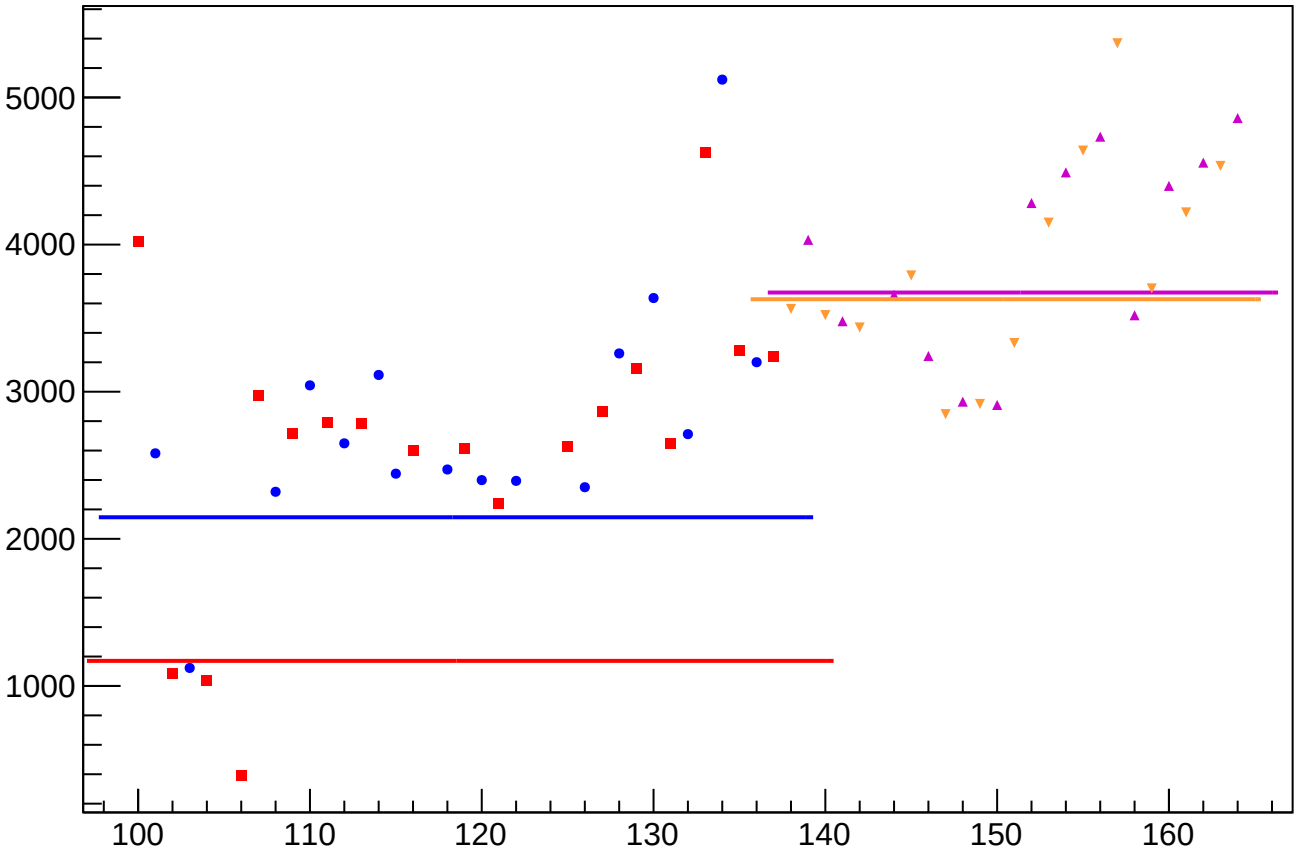
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 978.728+/-1129.904 χ^2/NDF:8.5/12

+ sign 456.221+/-695.796 χ^2/NDF: 33.9/28

All: 495.579+/-409.209 χ^2/NDF: 59.2/59

- 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: 3628.469+/-0.813 χ^2/NDF:617548.8/12

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

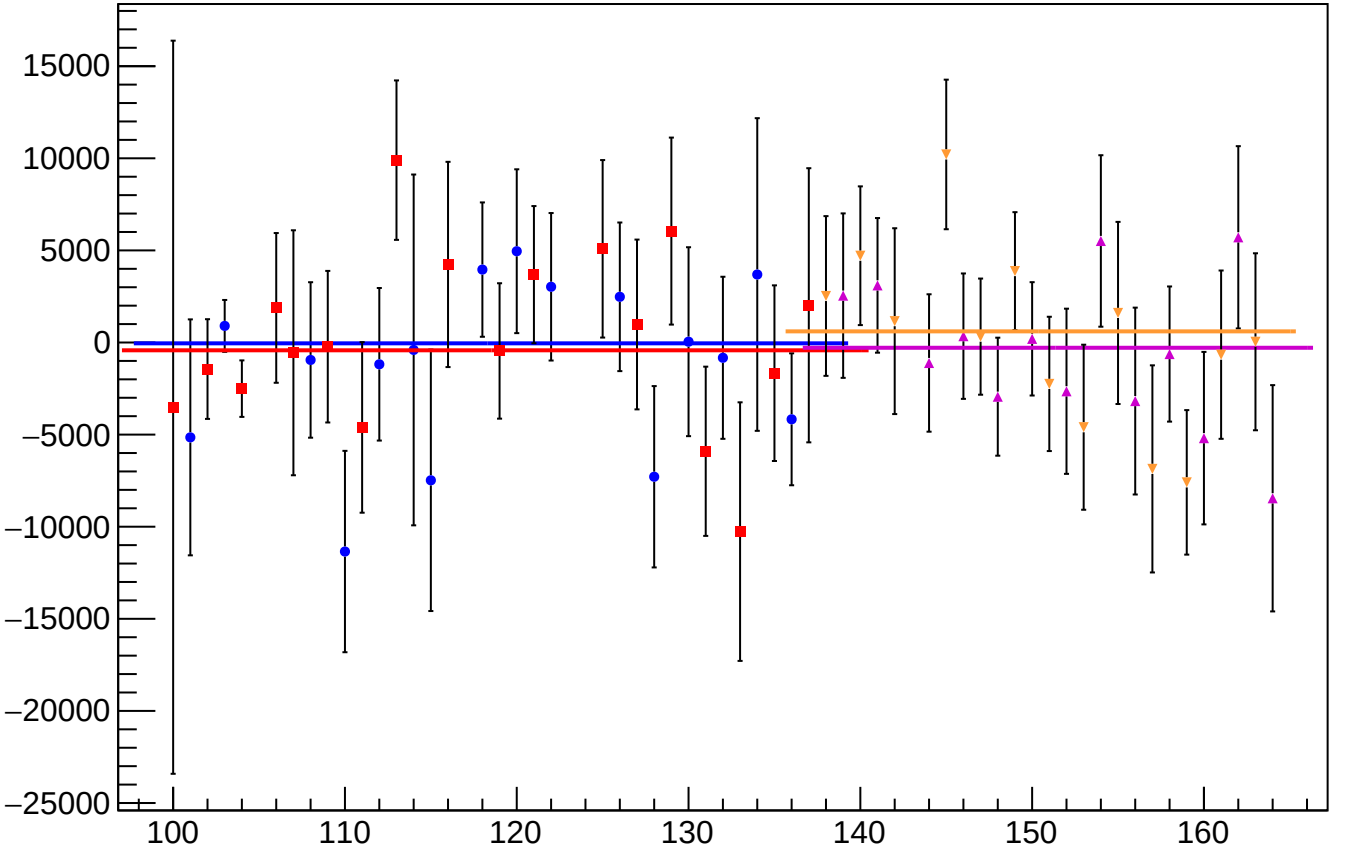
Left In: 3674.137+/-0.799 χ^2/NDF:634791.4/12

+ sign 2689.566+/-0.492 χ^2/NDF: 4698223.8/28

All: 2024.324+/-0.289 χ^2/NDF: 21795753.9/5

- 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: 604.816+/-1135.293 χ^2/NDF:16.3/12

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

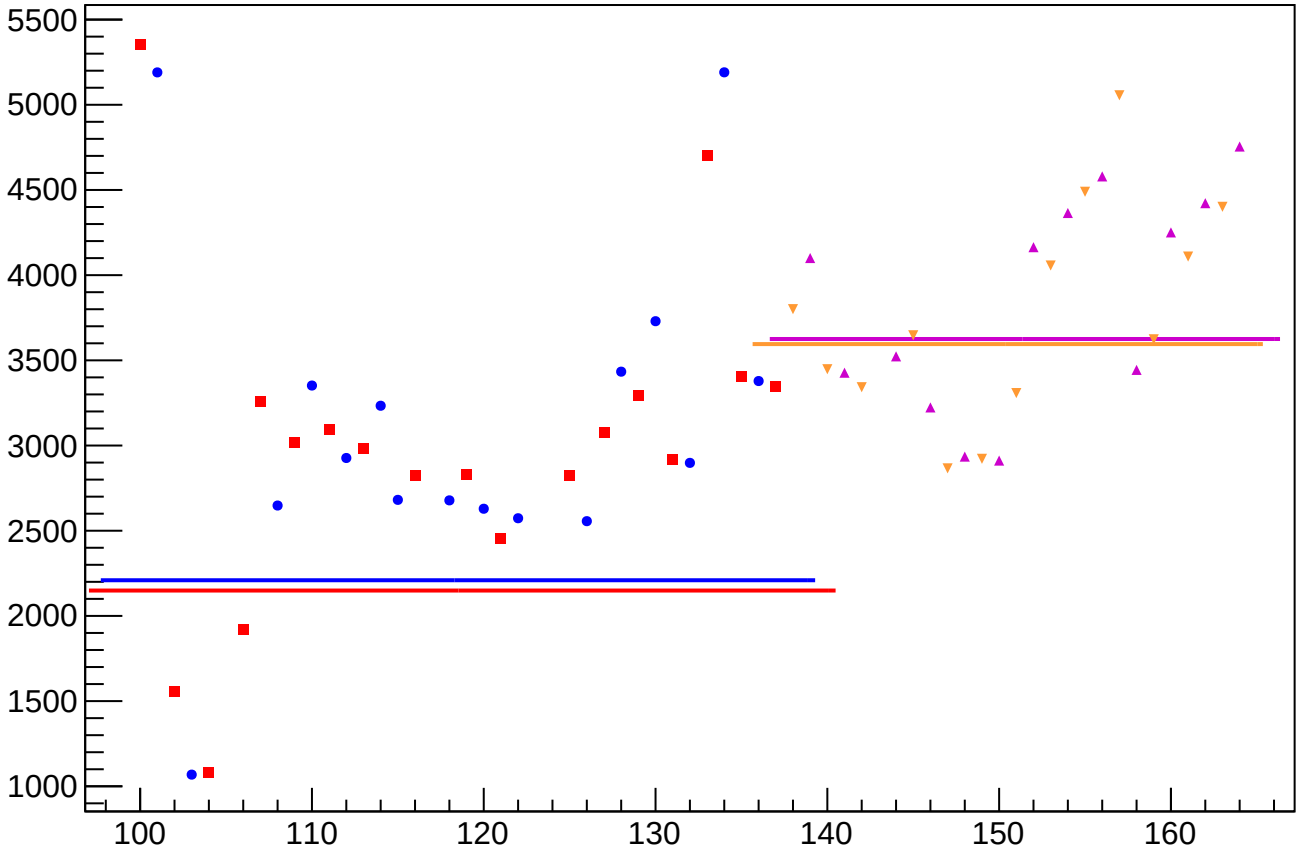
Left In: -285.815+/-1112.214 χ^2/NDF:8.6/12

+ sign 212.903+/-715.117 χ^2/NDF: 30.2/28

All: -85.181+/-499.537 χ^2/NDF: 56.5/59

- 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: 3595.403+/-0.803 χ^2/NDF:524174.7/12

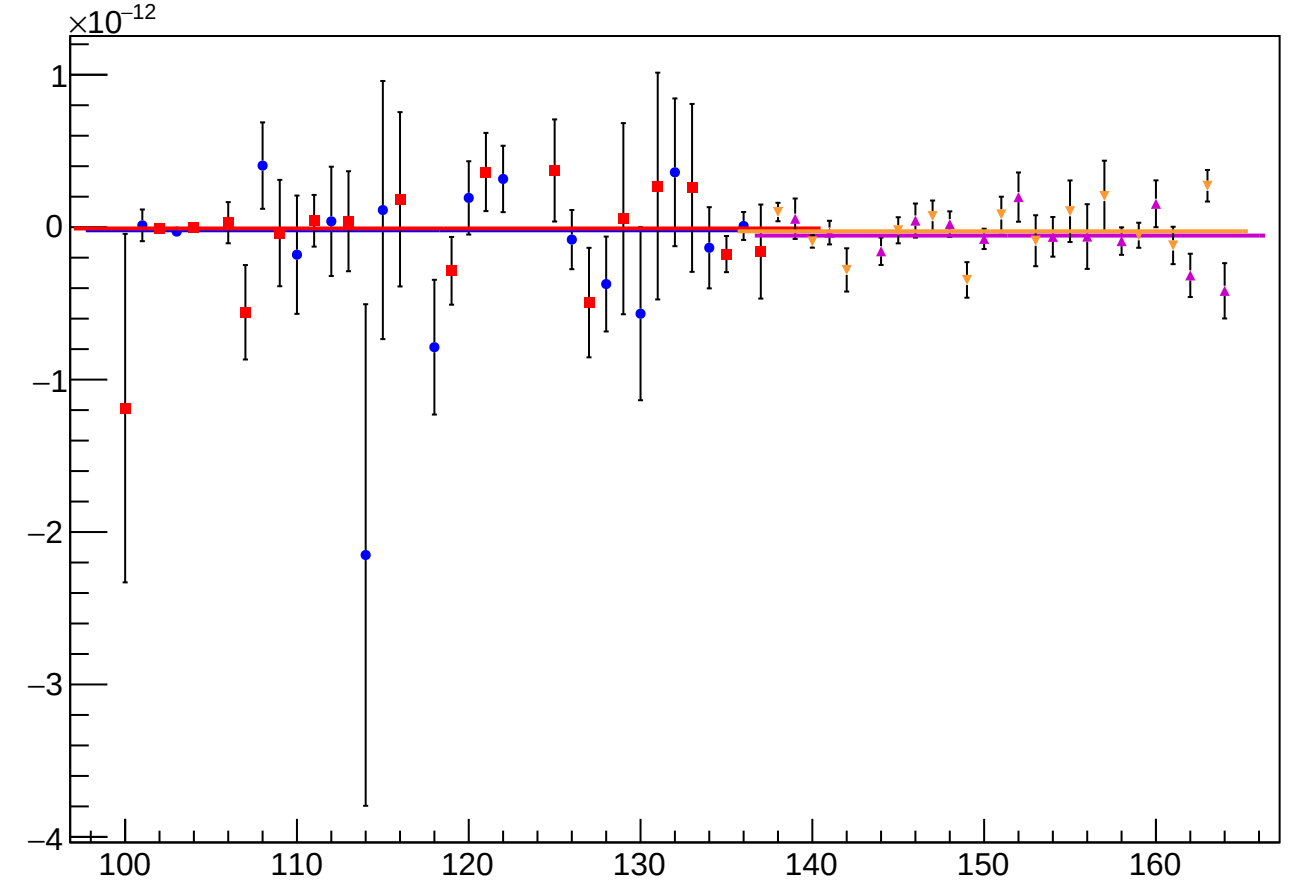
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3625.291+/-0.786 χ^2/NDF:568666.2/12

+ sign 2759.290+/-0.506 χ^2/NDF: 5159335.0/28

All: 2743.698+/-0.353 χ^2/NDF: 10139187.0/5

- 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:30.1/12

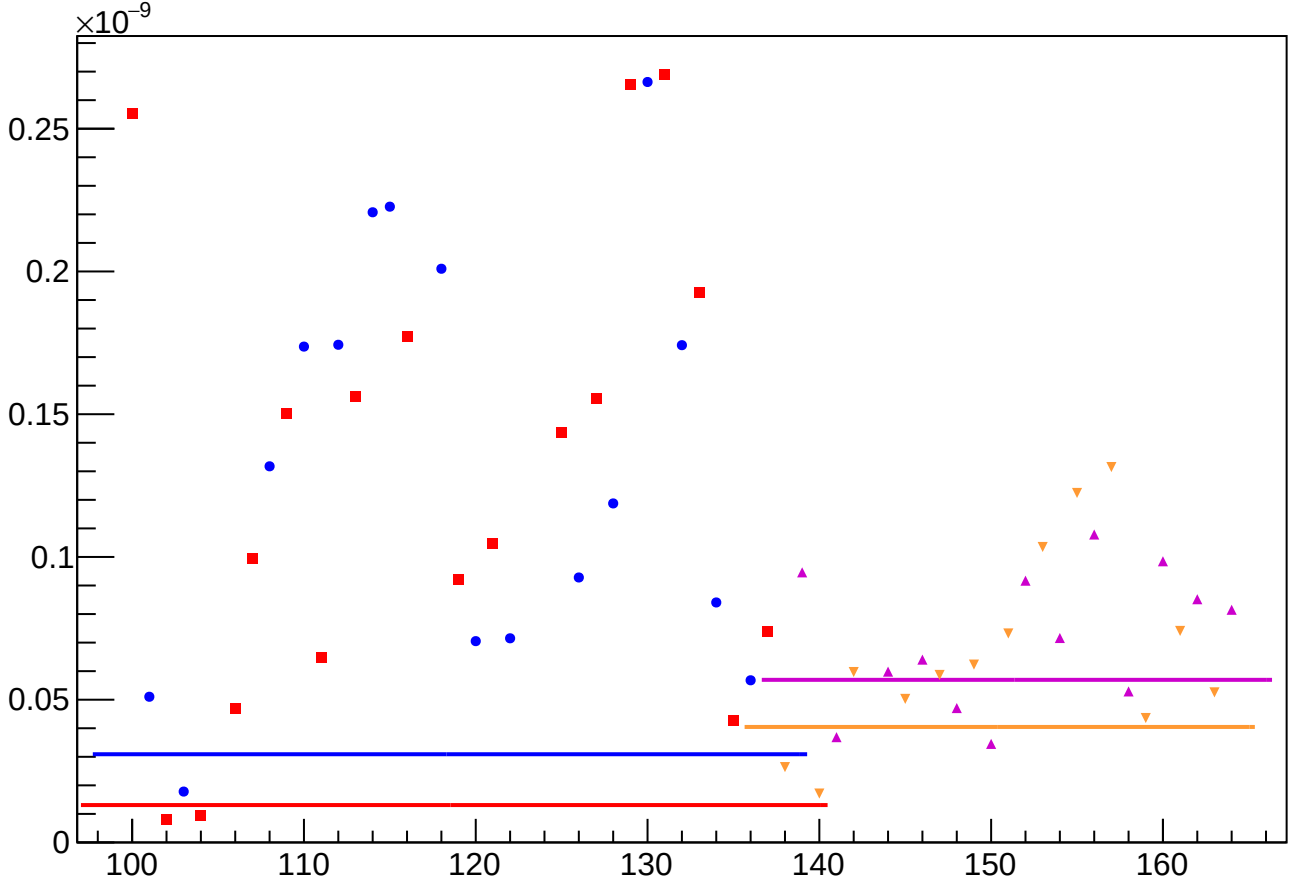
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/28

All: -0.000+/-0.000 χ^2/NDF: 75.5/59

- 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:2219236.6/12

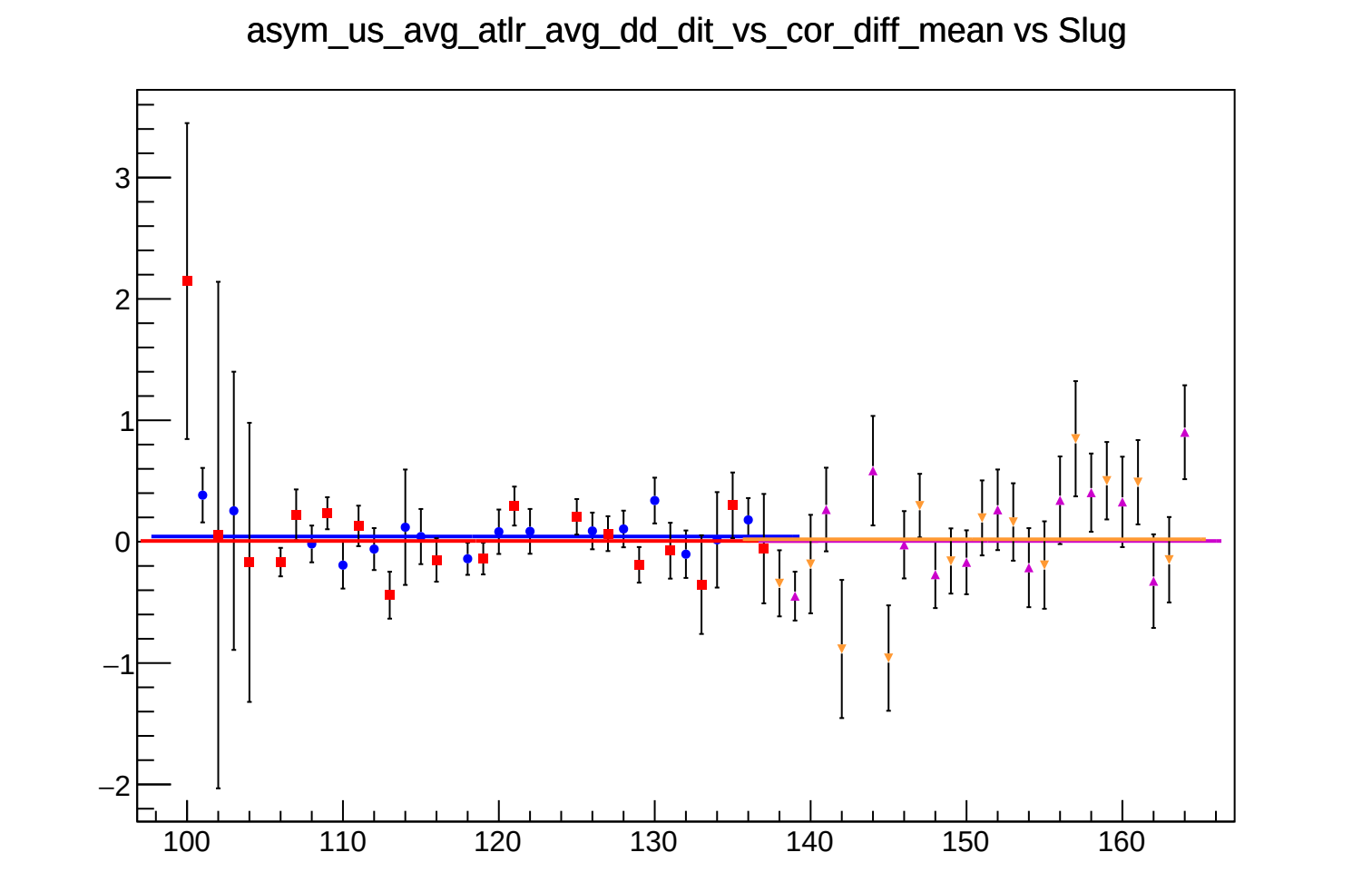
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1058935.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 5365056.8/28

All: 0.000+/-0.000 χ^2/NDF: 14420320.5/59

- sign 0.000+/-0.000 χ^2/NDF: 8267359.5/30



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

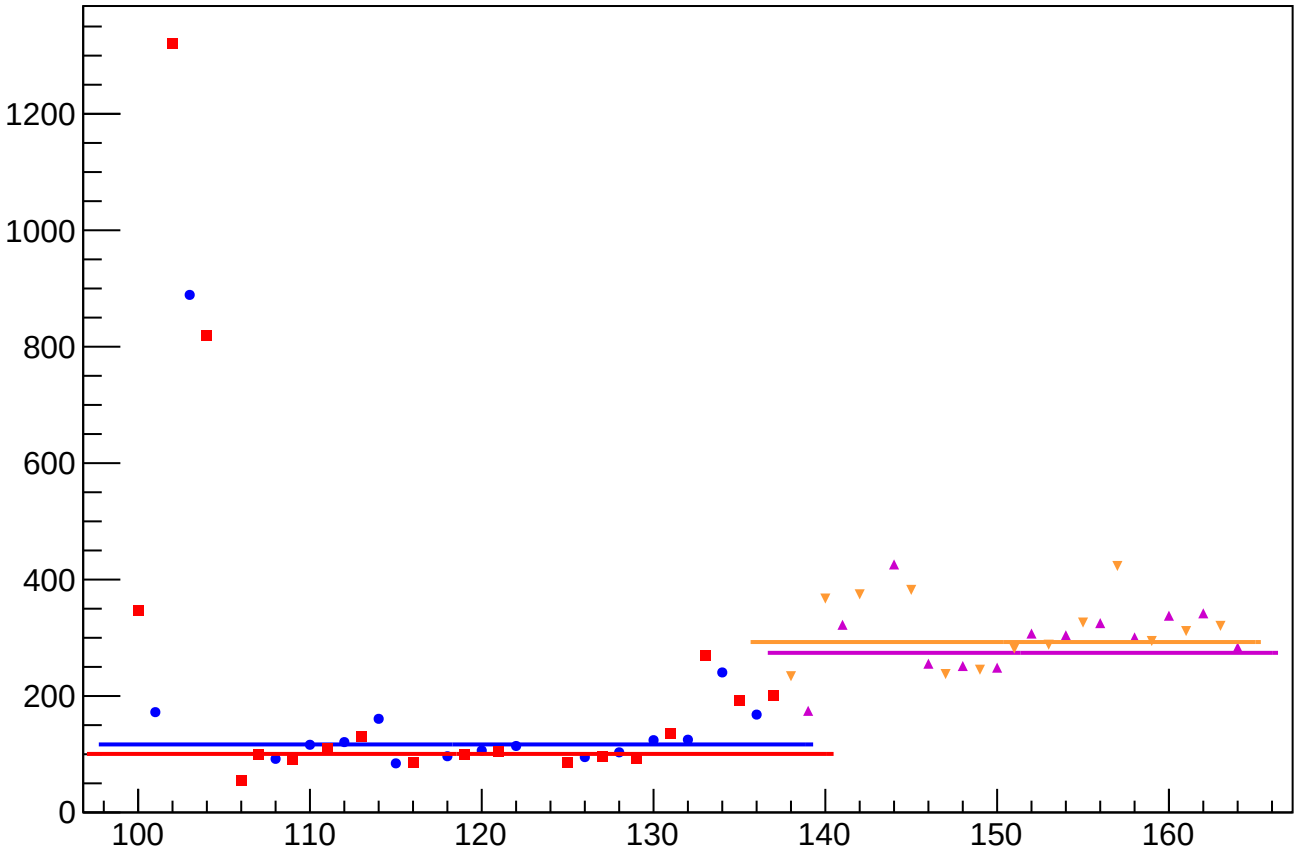
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.006+/-0.086 χ^2/NDF:19.1/12

\+ sign 0.038+/-0.042 χ^2/NDF: 29.8/28

All: 0.021+/-0.029 χ^2/NDF: 75.2/59

\- sign 0.006+/-0.039 χ^2/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

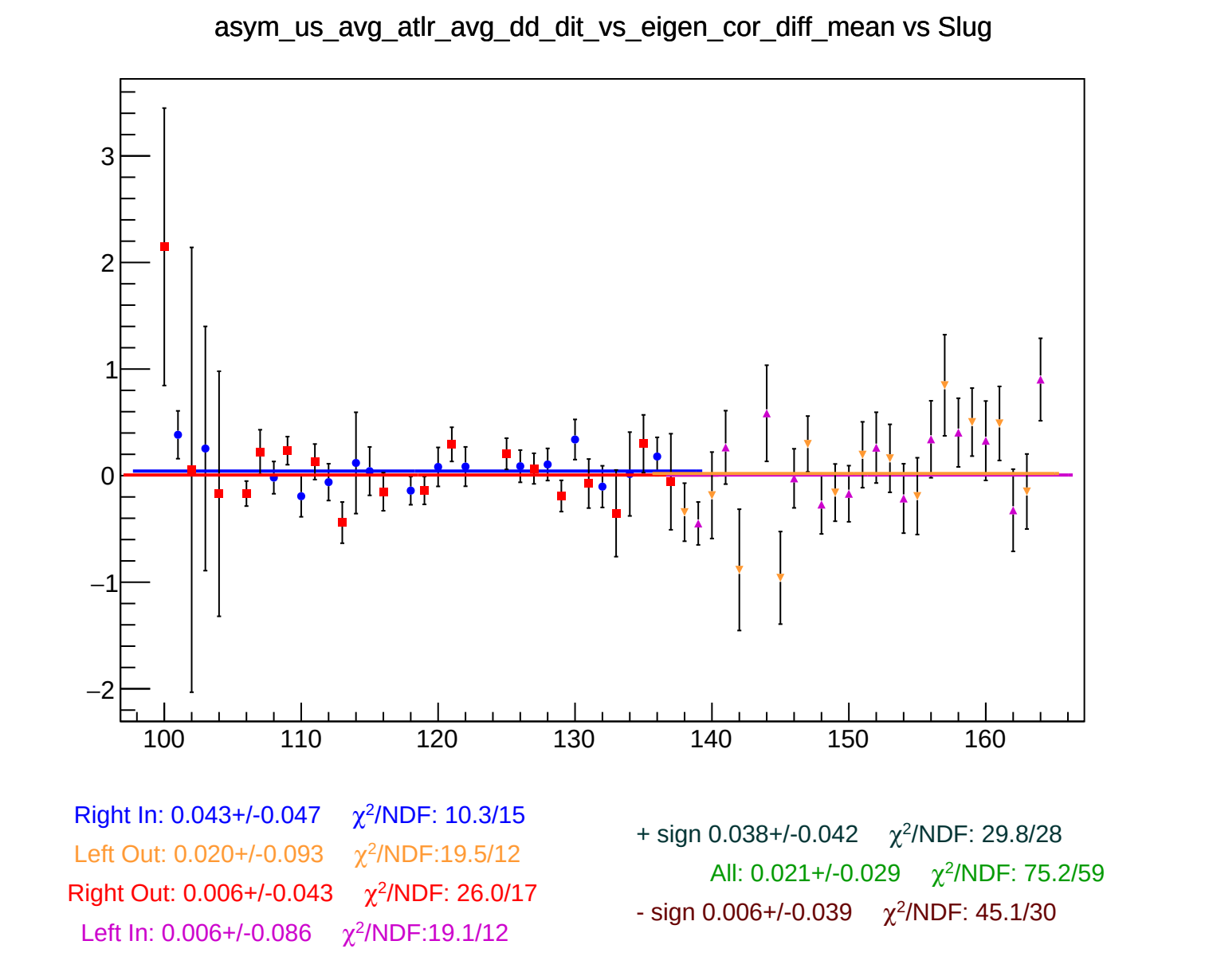
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

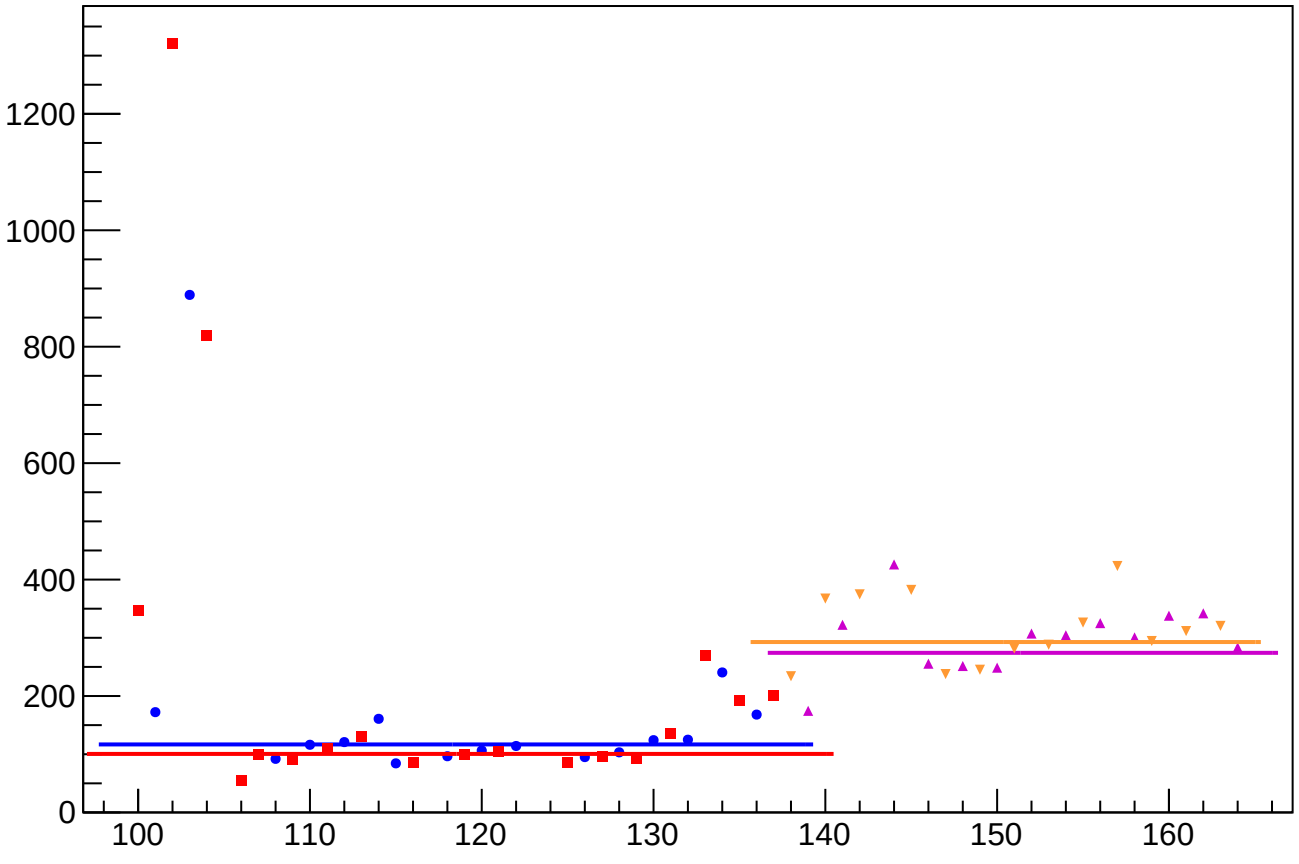
Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

+ sign 153.034+/-0.030 χ^2/NDF: 7900344.4/28

All: 143.616+/-0.020 χ^2/NDF: 18245989.9/59

- 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: 0.020+/-0.093 χ²/NDF:19.5/12
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.006+/-0.086 χ²/NDF:19.1/12
+ sign 0.038+/-0.042 χ²/NDF: 29.8/28
All: 0.021+/-0.029 χ²/NDF: 75.2/59
- sign 0.006+/-0.039 χ²/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

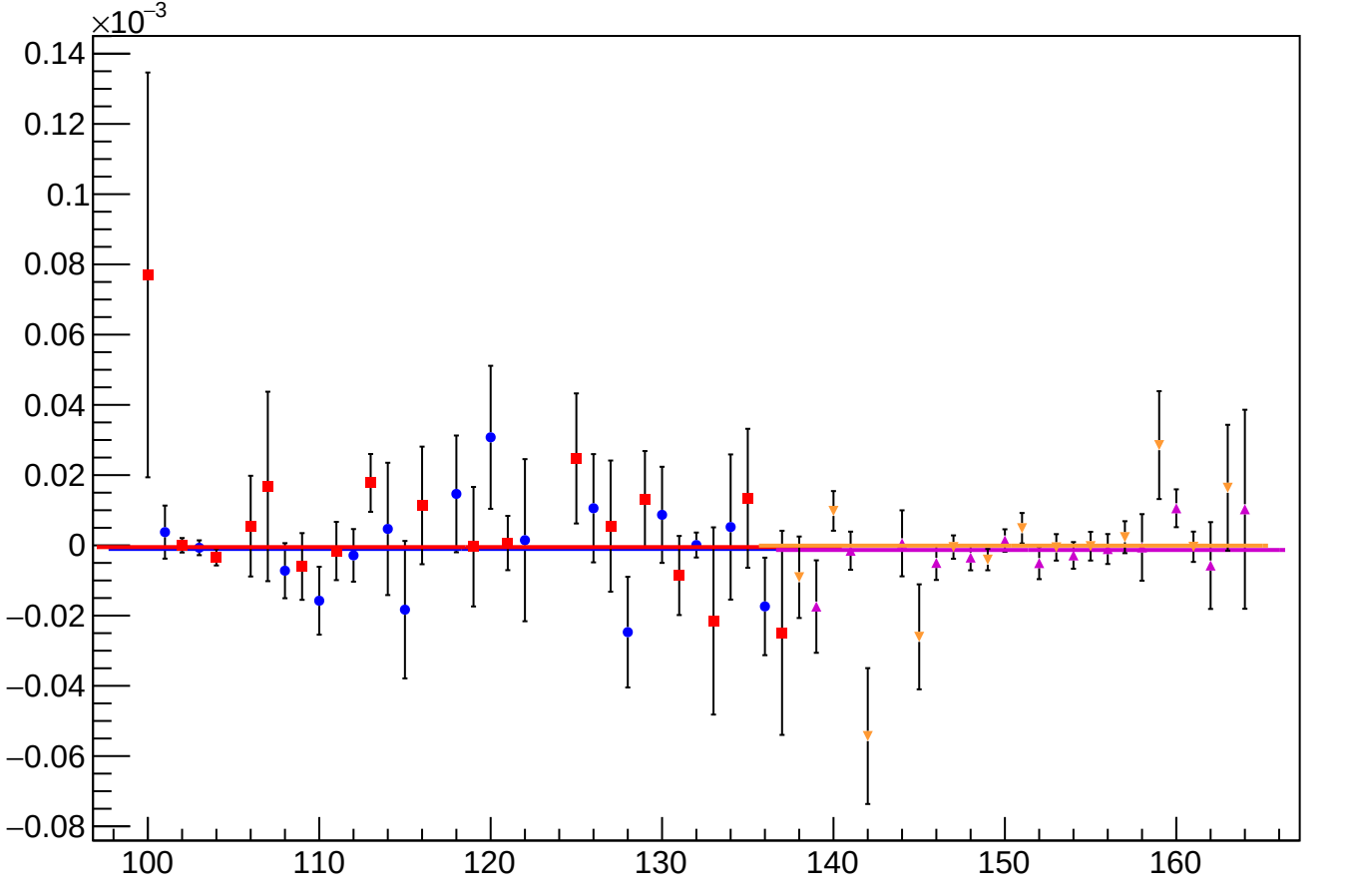
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

+ sign 153.034+/-0.030 χ^2/NDF: 7900344.4/28

All: 143.616+/-0.020 χ^2/NDF: 18245989.9/59

- sign 135.717+/-0.027 χ^2/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:22.2/12

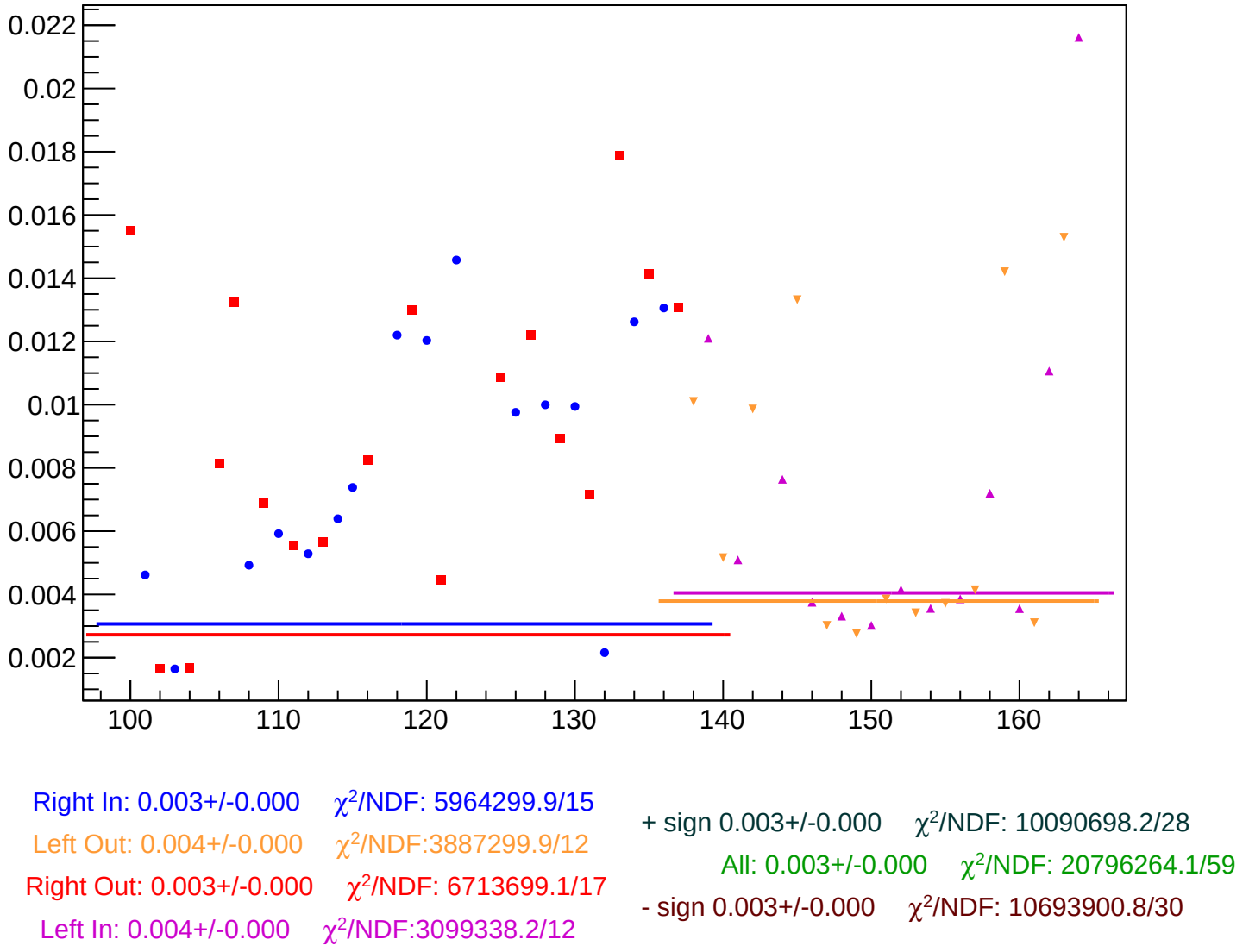
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/28

All: -0.000+/-0.000 χ^2/NDF: 59.5/59

- 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
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0.016
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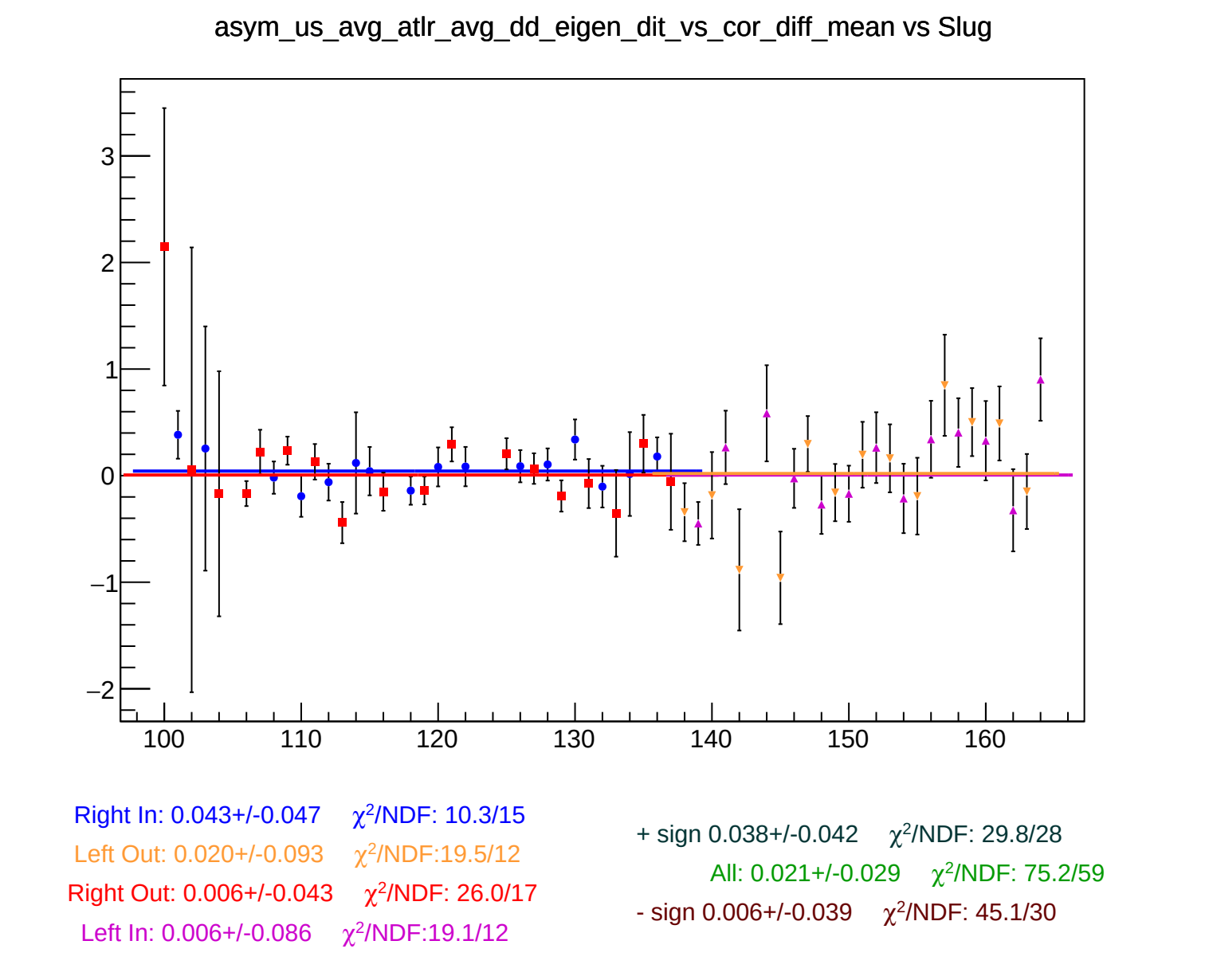
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:3887299.9/12
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:3099338.2/12
+ sign 0.003+/-0.000 χ²/NDF: 10090698.2/28
All: 0.003+/-0.000 χ²/NDF: 20796264.1/59
- sign 0.003+/-0.000 χ²/NDF: 10693900.8/30


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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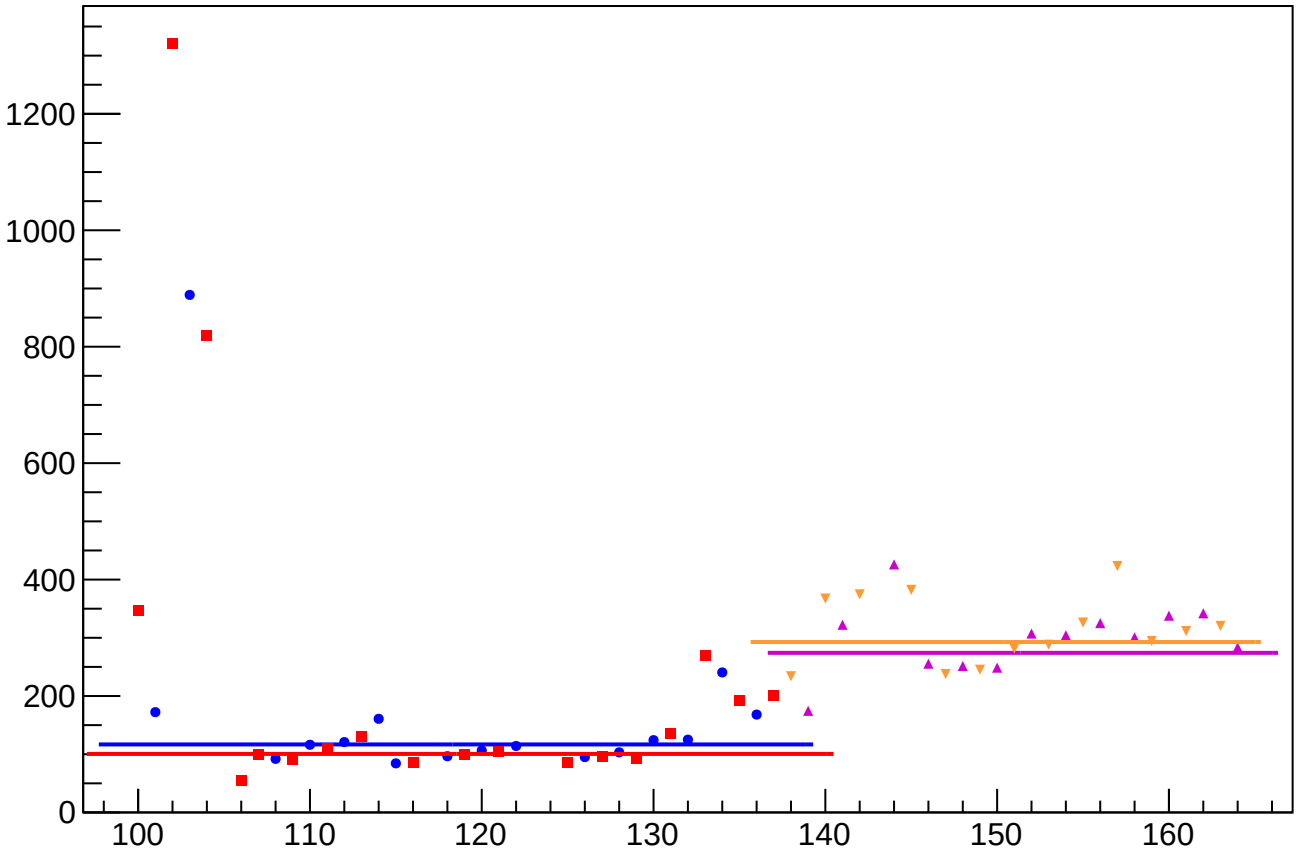
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.093 χ²/NDF:19.5/12
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.006+/-0.086 χ²/NDF:19.1/12
+ sign 0.038+/-0.042 χ²/NDF: 29.8/28
All: 0.021+/-0.029 χ²/NDF: 75.2/59
- sign 0.006+/-0.039 χ²/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

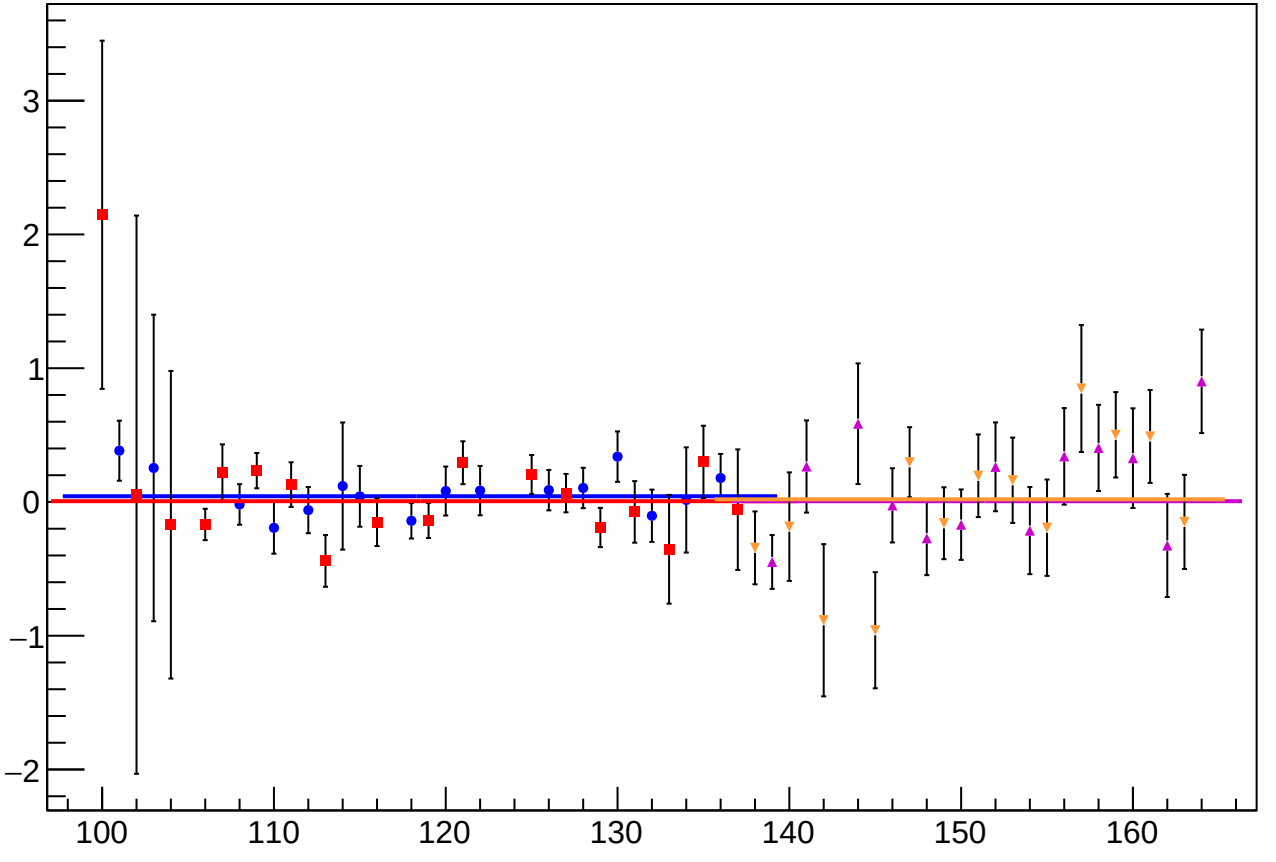
Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

+ sign 153.034+/-0.030 χ^2/NDF: 7900473.8/28

All: 143.615+/-0.020 χ^2/NDF: 18246427.7/59

- 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: 0.020+/-0.093 χ^2/NDF:19.5/12

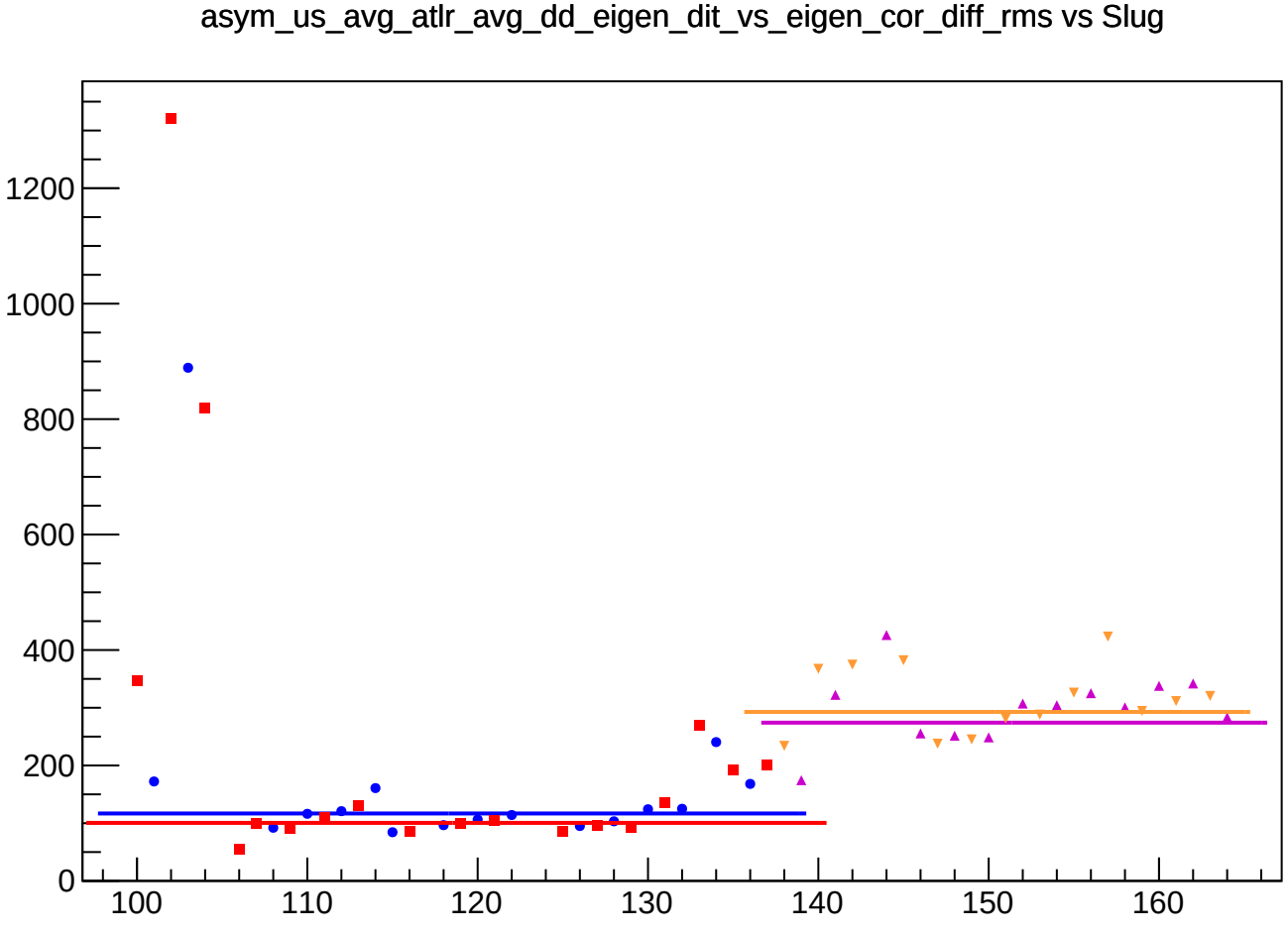
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.006+/-0.086 χ^2/NDF:19.1/12

+ sign 0.038+/-0.042 χ^2/NDF: 29.8/28

All: 0.021+/-0.029 χ^2/NDF: 75.2/59

- 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: 292.740+/-0.066 χ^2/NDF:628150.4/12

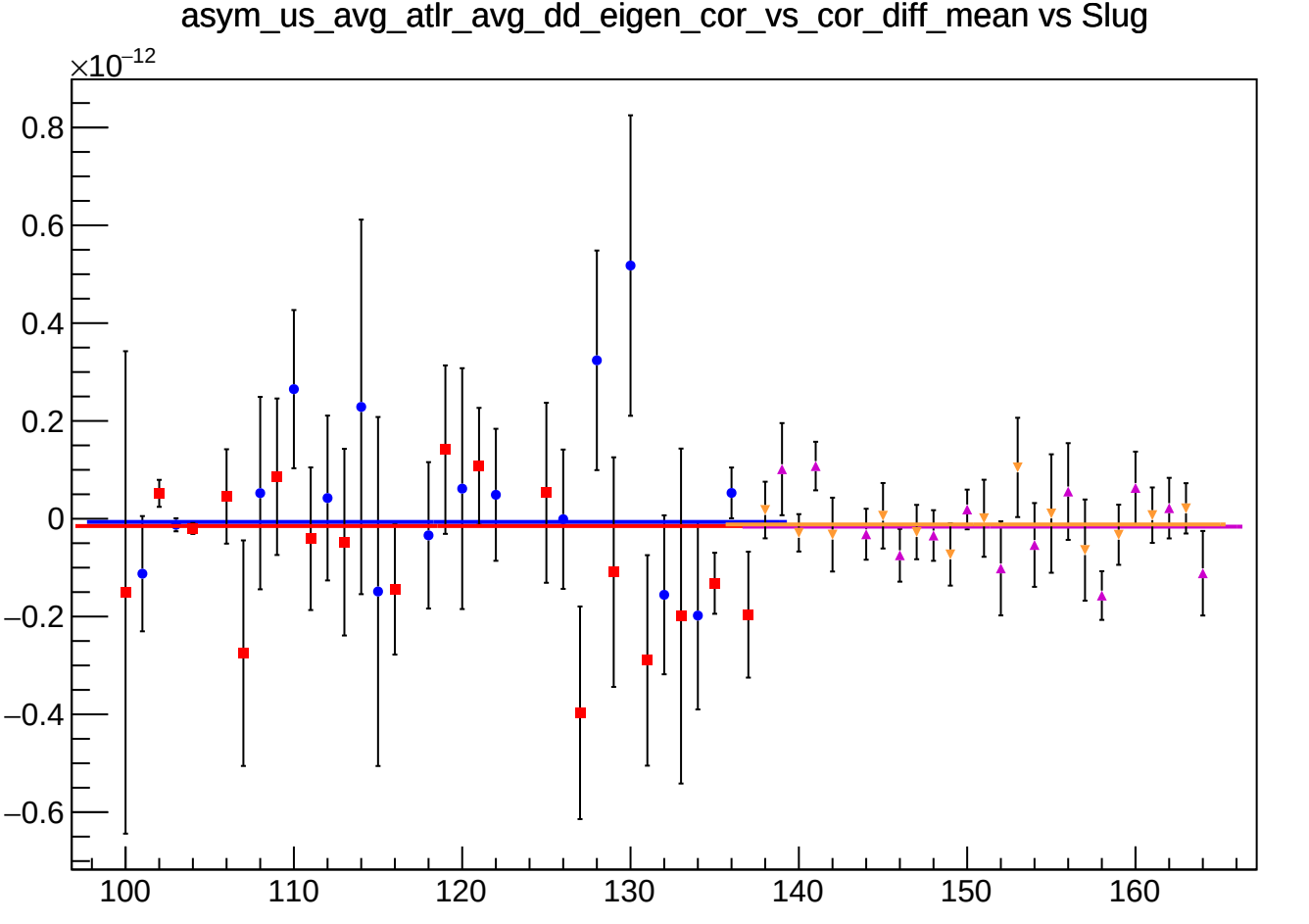
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

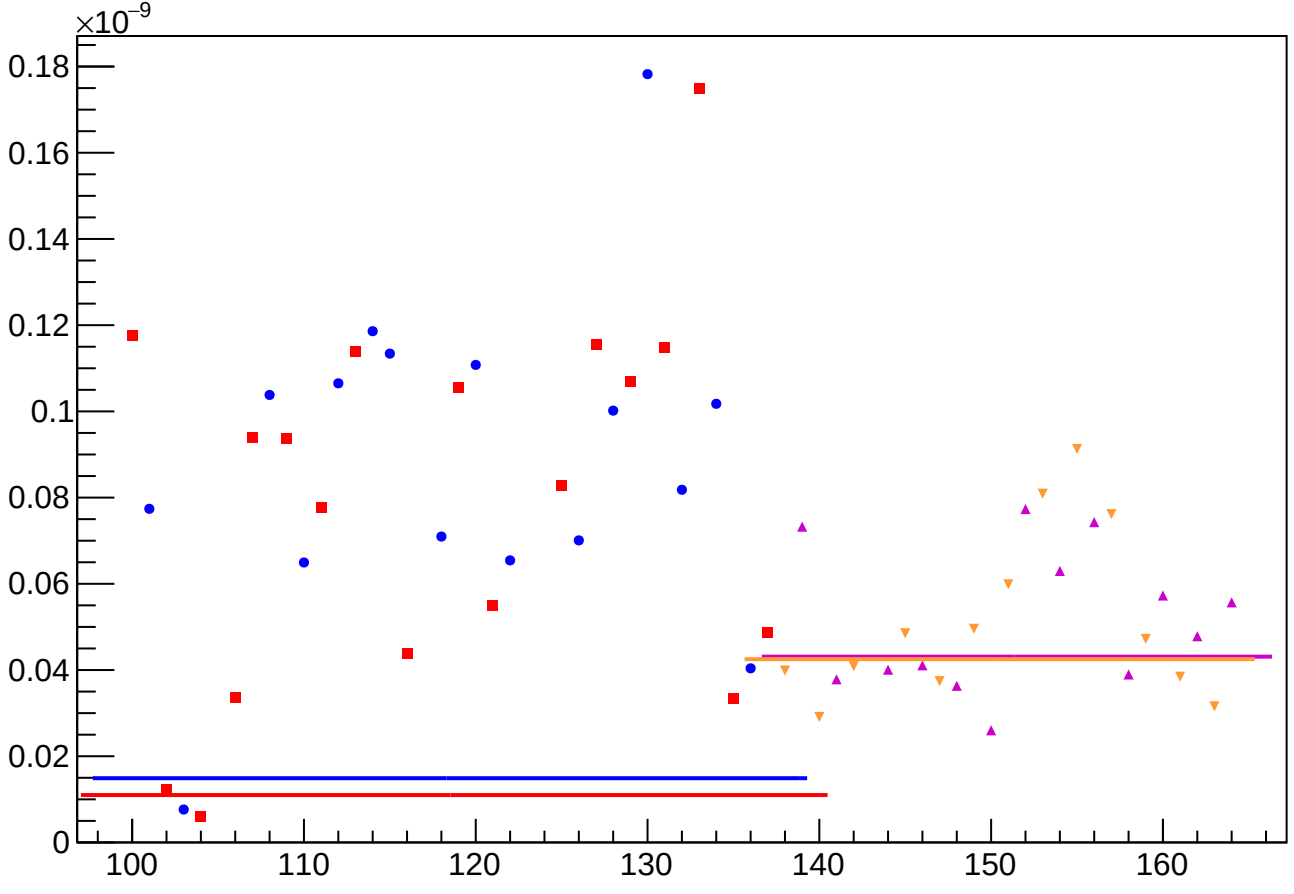
Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

+ sign 153.034+/-0.030 χ^2/NDF: 7900473.8/28

All: 143.615+/-0.020 χ^2/NDF: 18246427.7/59

- sign 135.716+/-0.027 χ^2/NDF: 10163632.0/30


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:22.2/12
+ sign -0.000+/-0.000 χ²/NDF: 17.0/28
All: -0.000+/-0.000 χ²/NDF: 61.3/59
- sign -0.000+/-0.000 χ²/NDF: 44.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340182.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

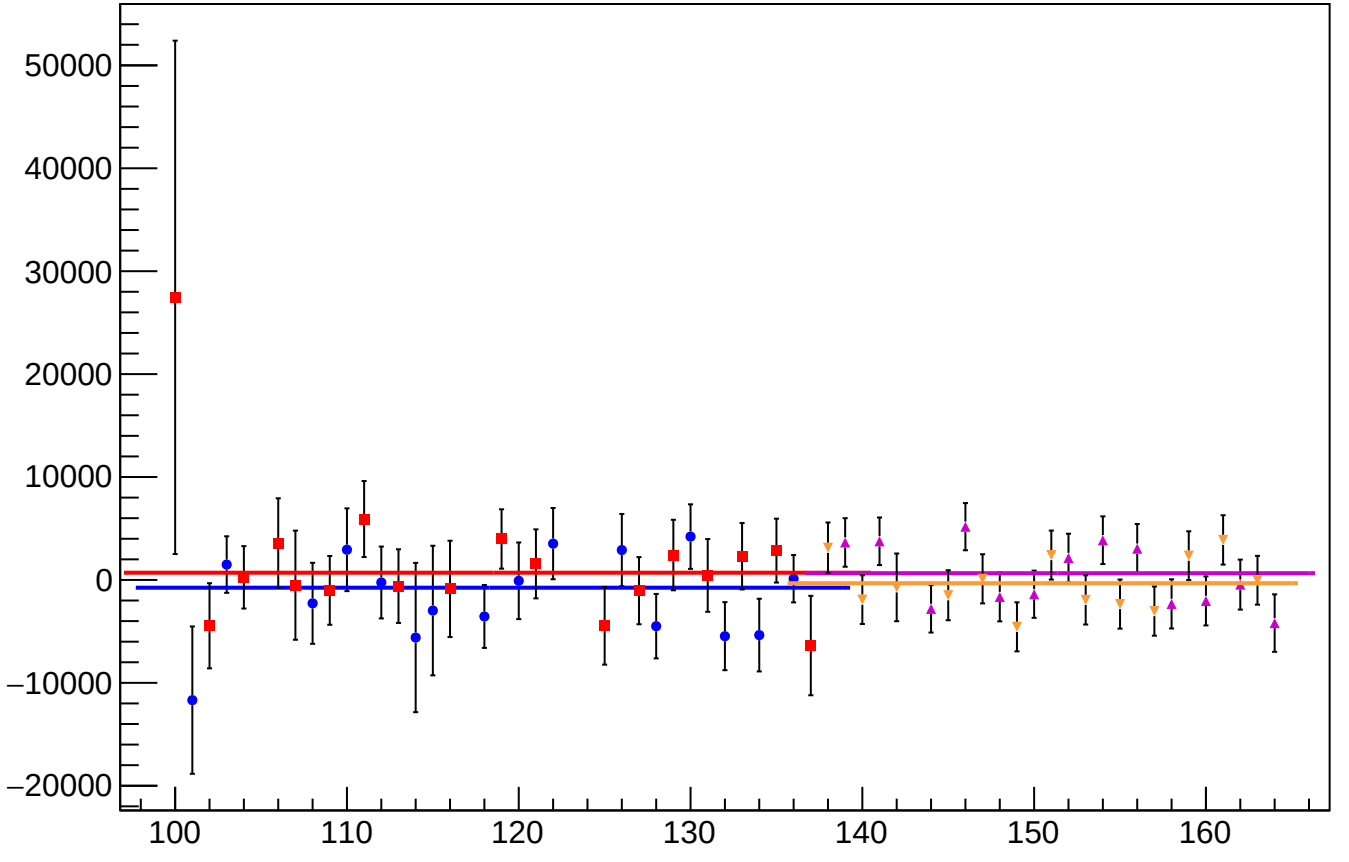
Left In: 0.000+/-0.000 χ^2/NDF:1327000.2/12

\+ sign 0.000+/-0.000 χ^2/NDF: 10574882.7/28

All: 0.000+/-0.000 χ^2/NDF: 23481326.3/59

\- sign 0.000+/-0.000 χ^2/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: -316.237+/-675.874 χ^2/NDF:14.0/12

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

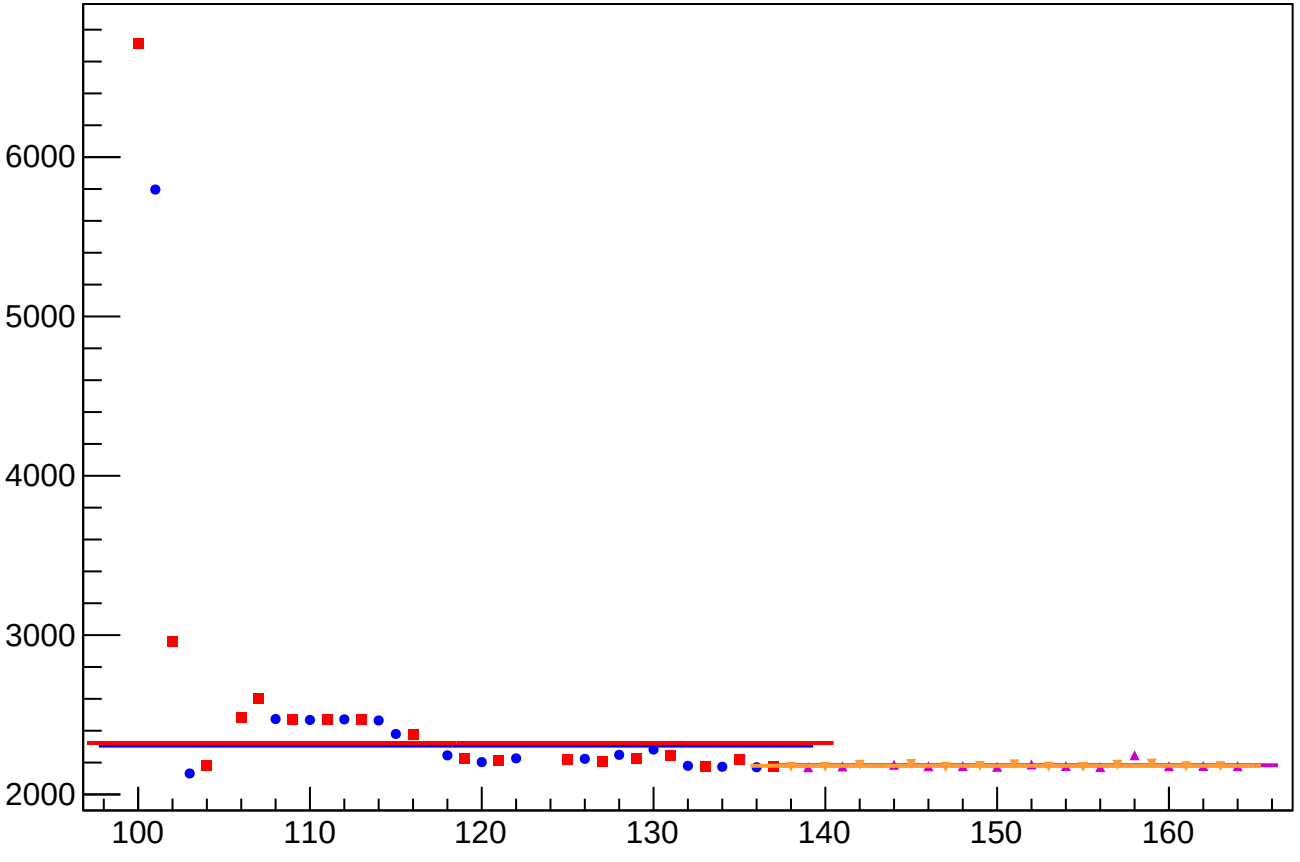
Left In: 655.916+/-659.119 χ^2/NDF:20.6/12

+ sign -480.483+/-534.349 χ^2/NDF: 30.1/28

All: 106.270+/-374.519 χ^2/NDF: 65.4/59

- 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: 2179.648+/-0.478 χ^2/NDF:244.7/12

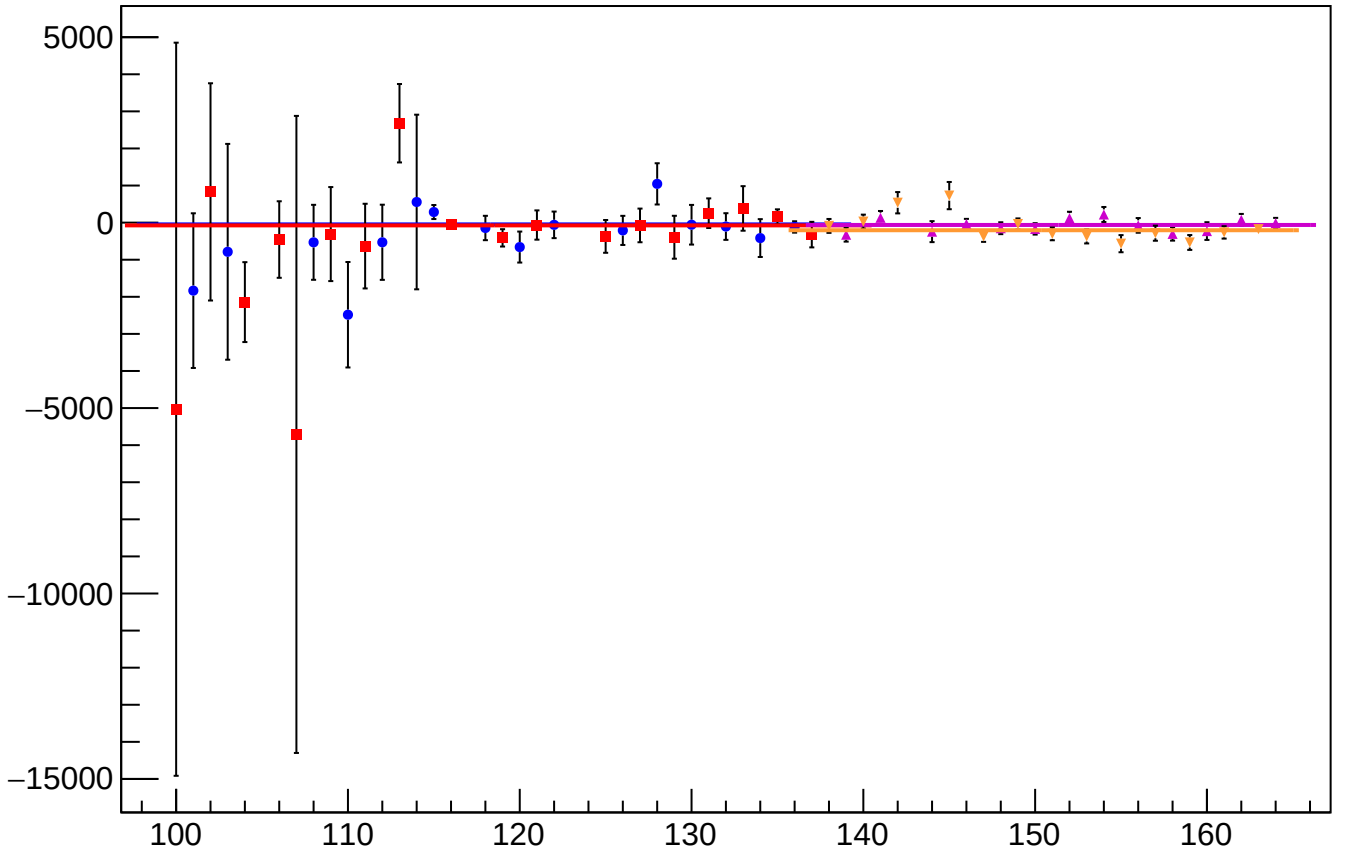
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.4/28

All: 2230.818+/-0.265 χ^2/NDF: 727358.4/59

- 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: -205.008+/-50.406 χ^2/NDF:24.2/12

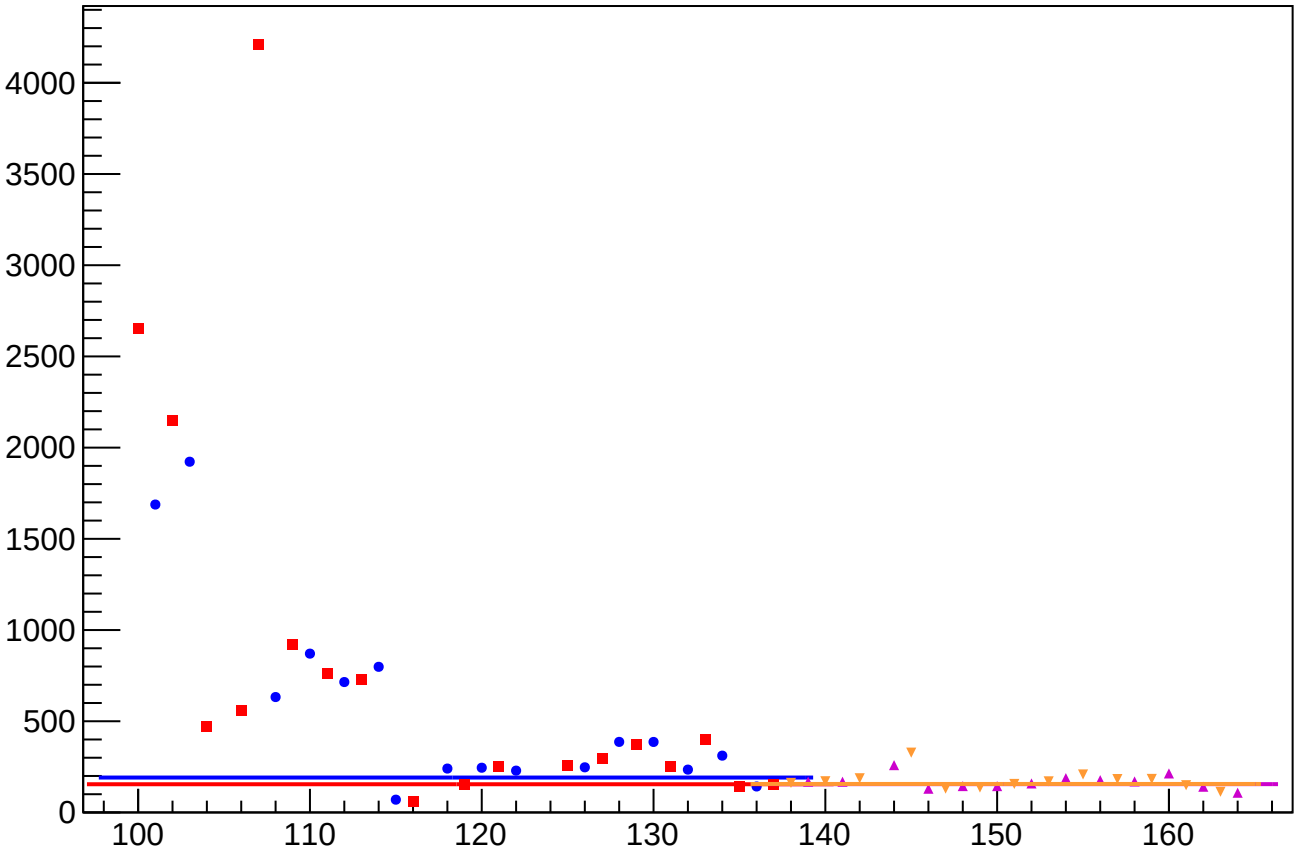
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -62.778+/-48.556 χ^2/NDF:10.5/12

+ sign -168.074+/-44.084 χ^2/NDF: 40.8/28

All: -114.216+/-30.344 χ^2/NDF: 71.8/59

- 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: 156.201+/-0.036 χ^2/NDF:984031.9/12

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

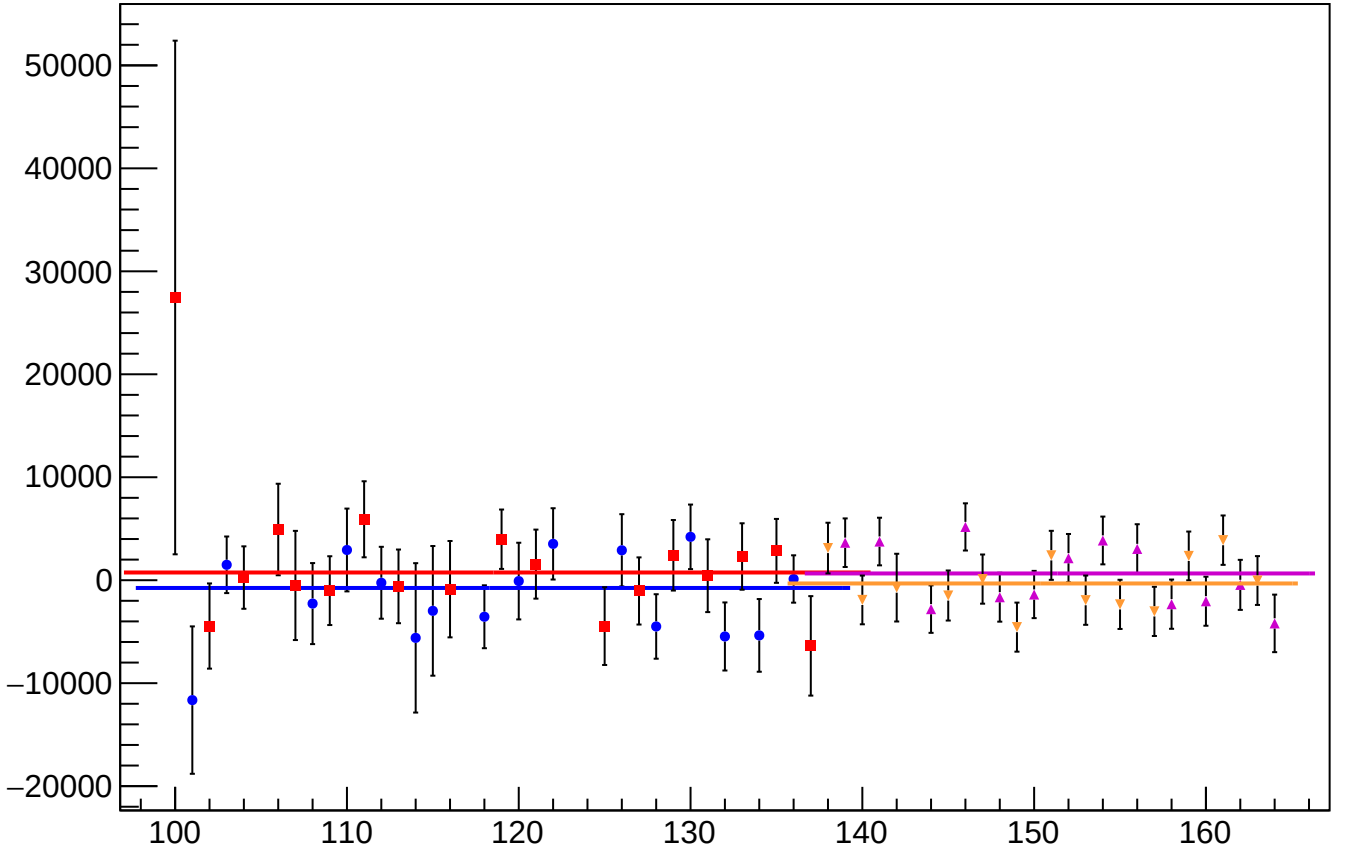
Left In: 155.232+/-0.034 χ^2/NDF:825597.4/12

+ sign 164.473+/-0.031 χ^2/NDF: 6277833.5/28

All: 159.535+/-0.021 χ^2/NDF: 13305465.9/59

- 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: -316.221+/-675.874 χ^2/NDF:14.0/12

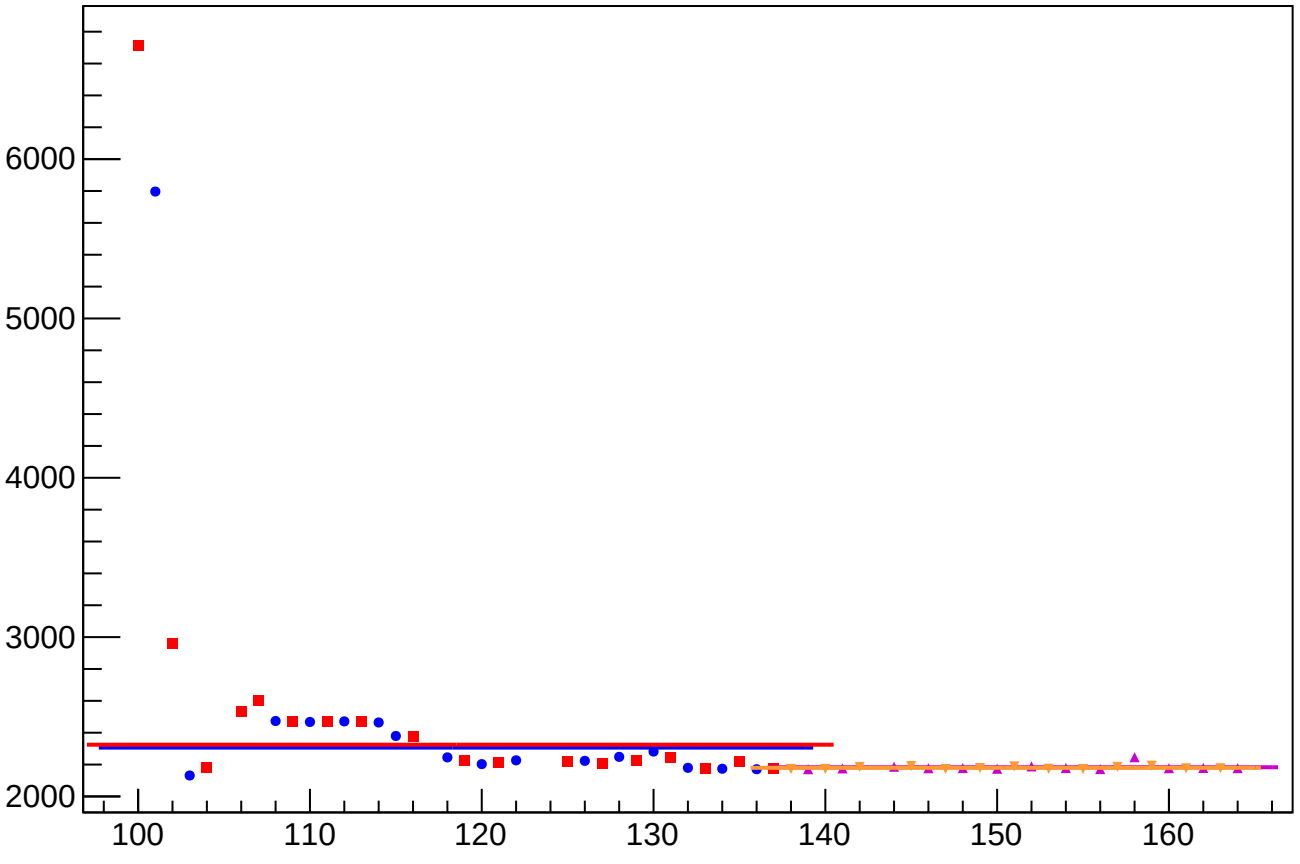
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 655.841+/-659.119 χ^2/NDF:20.6/12

+ sign -480.109+/-534.349 χ^2/NDF: 30.0/28

All: 114.994+/-374.576 χ^2/NDF: 65.9/59

- sign 689.960+/-525.231 χ^2/NDF: 33.5/30



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

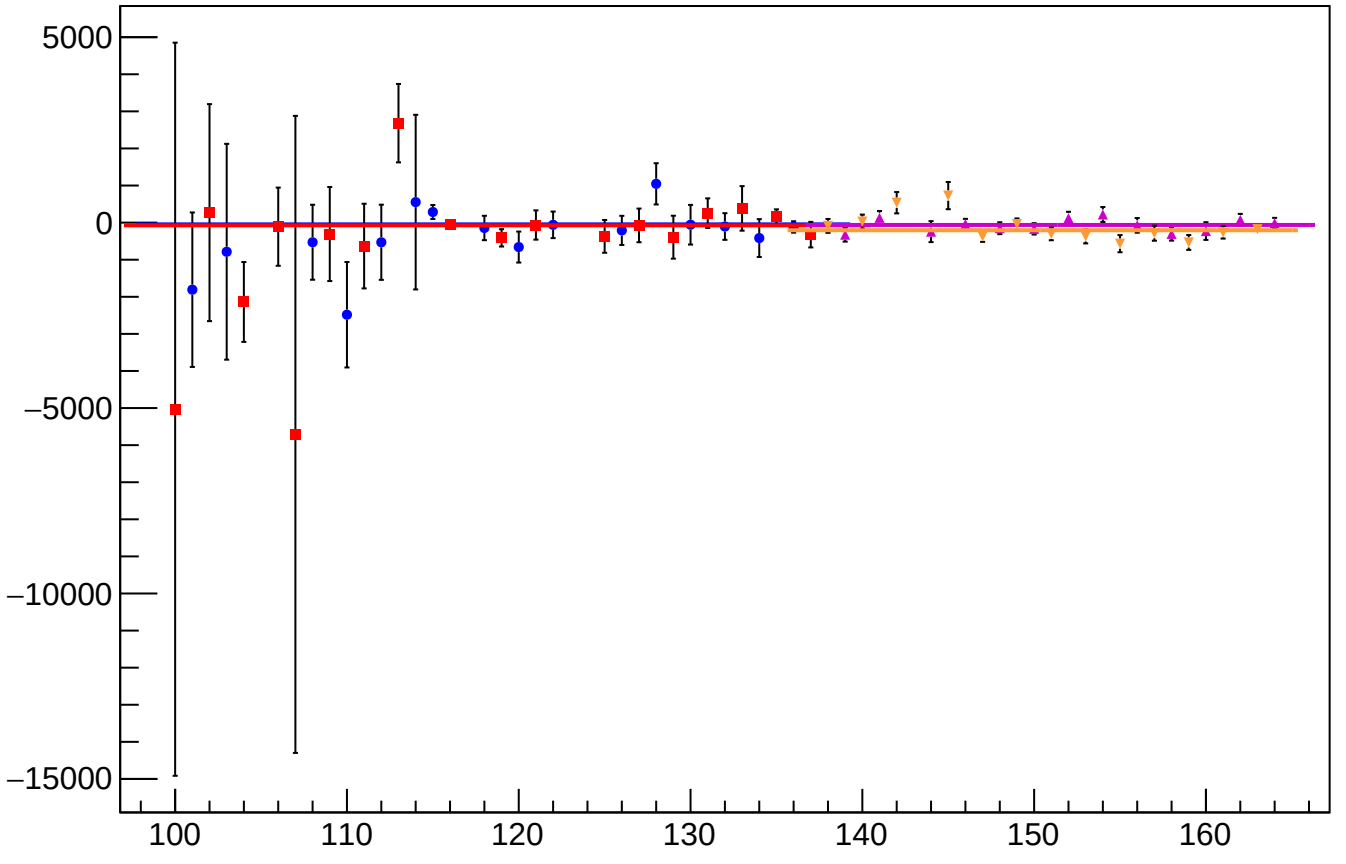
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.8/28

All: 2231.100+/-0.265 χ^2/NDF: 729936.1/59

- 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: -205.000+/-50.408 χ^2/NDF:24.1/12

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

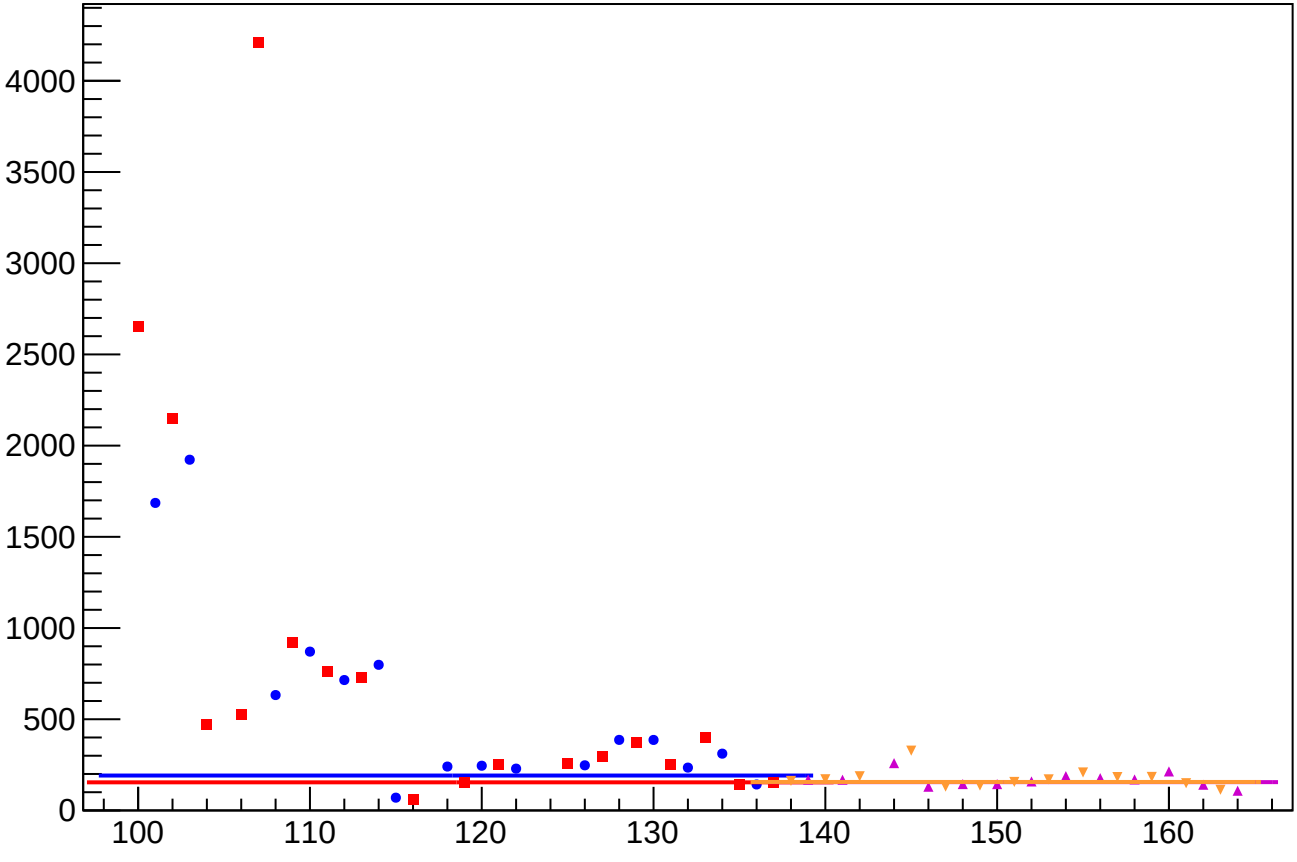
Left In: -62.714+/-48.560 χ^2/NDF:10.5/12

+ sign -168.078+/-44.086 χ^2/NDF: 40.8/28

All: -113.915+/-30.343 χ^2/NDF: 71.5/59

- 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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

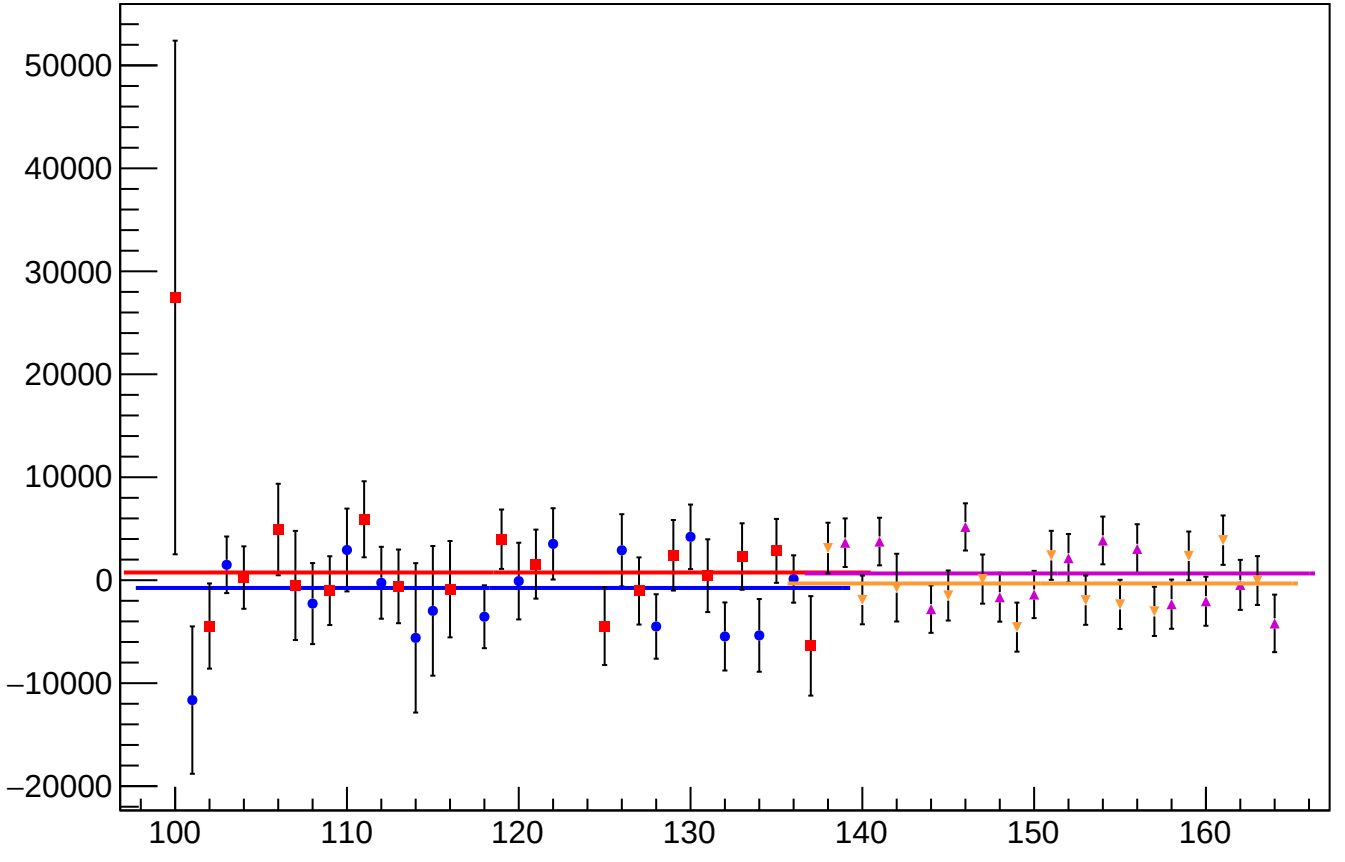
Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

+ sign 164.480+/-0.031 χ^2/NDF: 6277114.7/28

All: 159.468+/-0.021 χ^2/NDF: 13260790.5/59

- 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: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

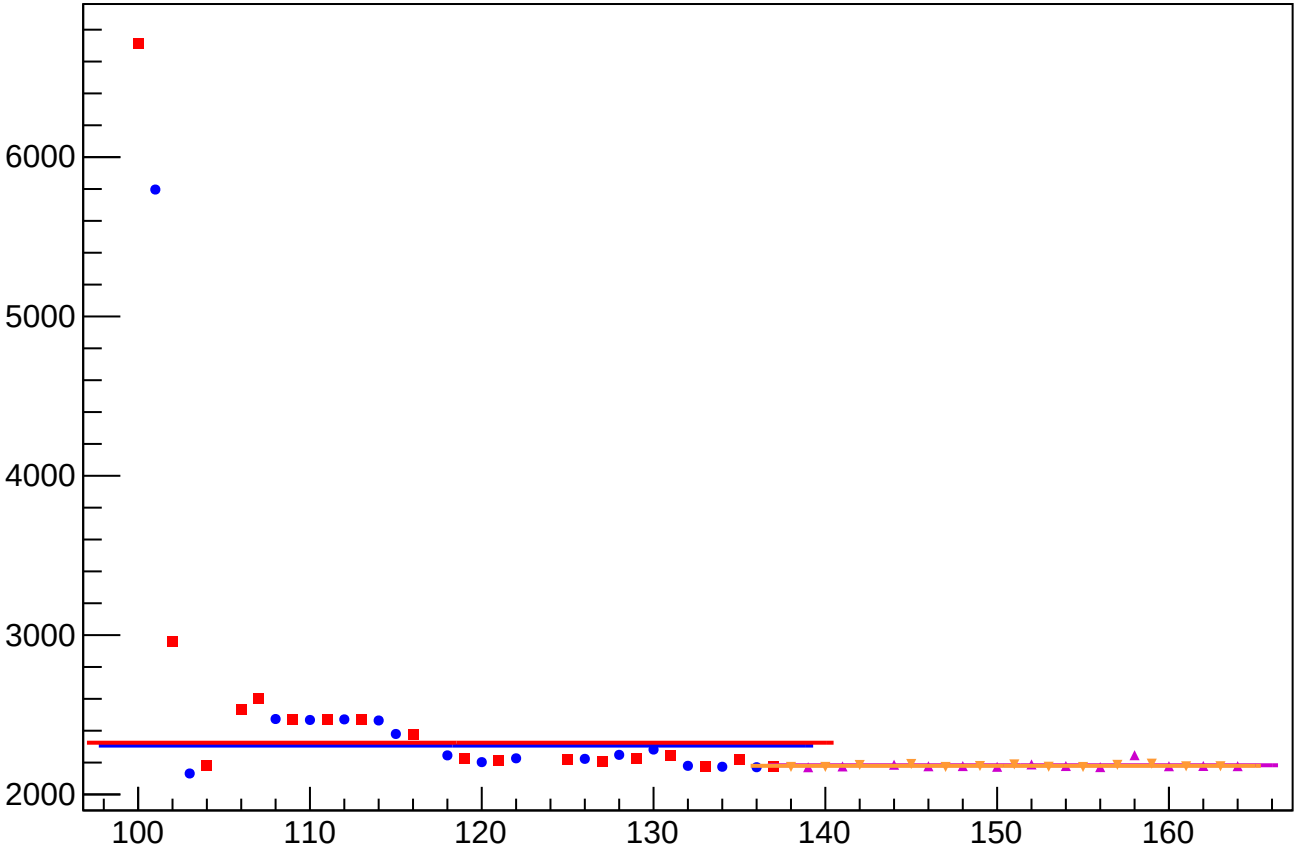
Left In: 655.841+/-659.119 χ^2/NDF:20.6/12

+ sign -480.109+/-534.349 χ^2/NDF: 30.0/28

All: 114.994+/-374.576 χ^2/NDF: 65.9/59

- 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: 2179.648+/-0.478 χ^2/NDF:244.7/12

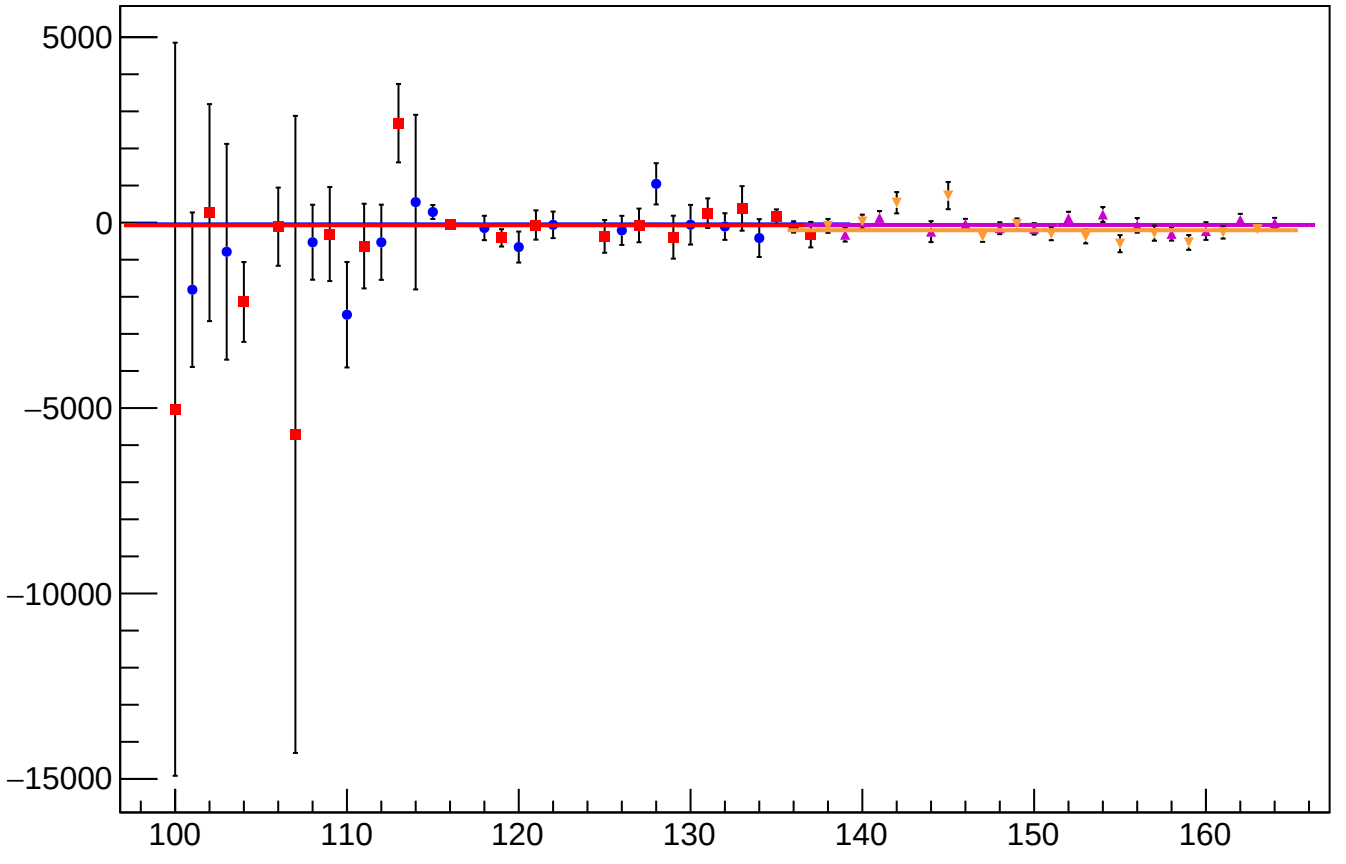
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.8/28

All: 2231.100+/-0.265 χ^2/NDF: 729936.1/59

- 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: -205.000+/-50.408 χ^2/NDF:24.1/12

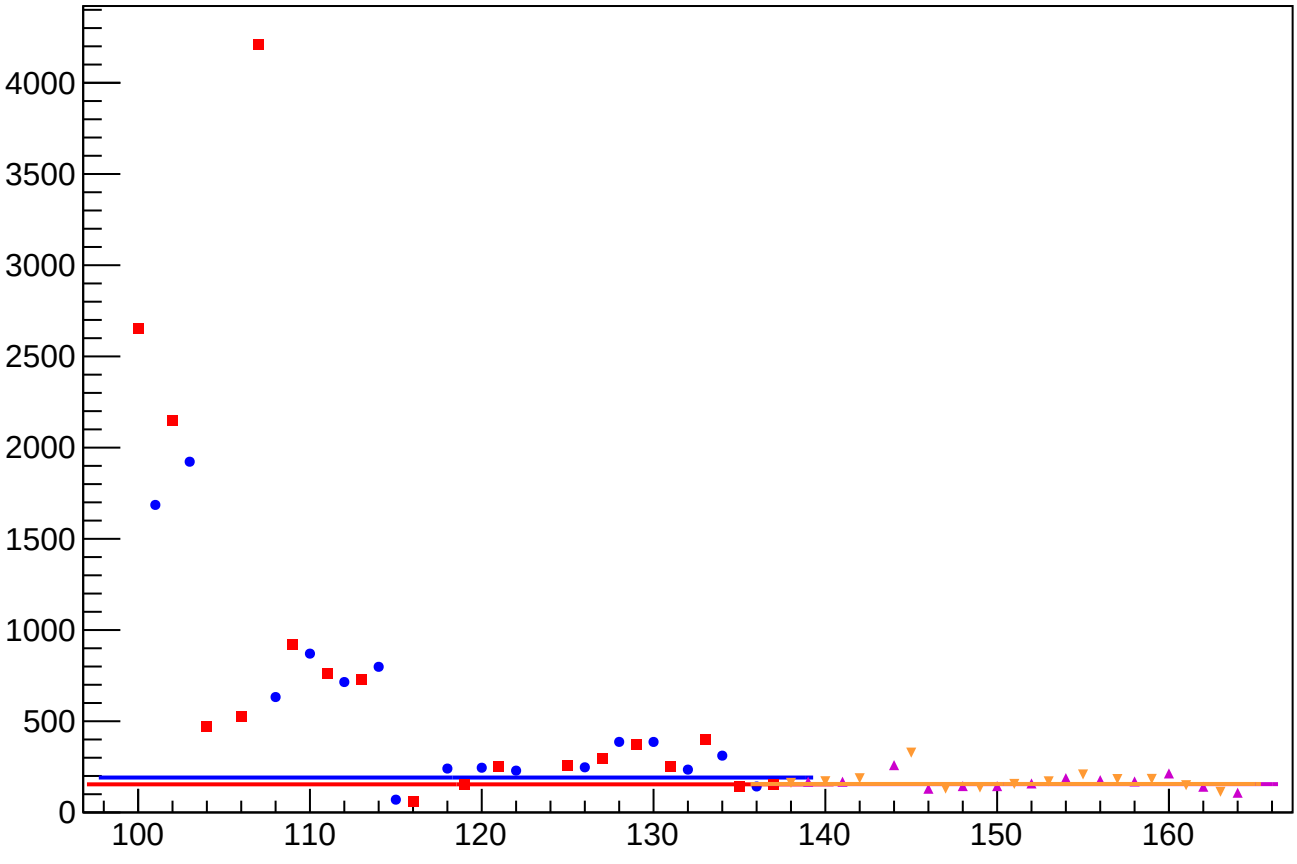
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -62.714+/-48.560 χ^2/NDF:10.5/12

+ sign -168.078+/-44.086 χ^2/NDF: 40.8/28

All: -113.915+/-30.343 χ^2/NDF: 71.5/59

- 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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

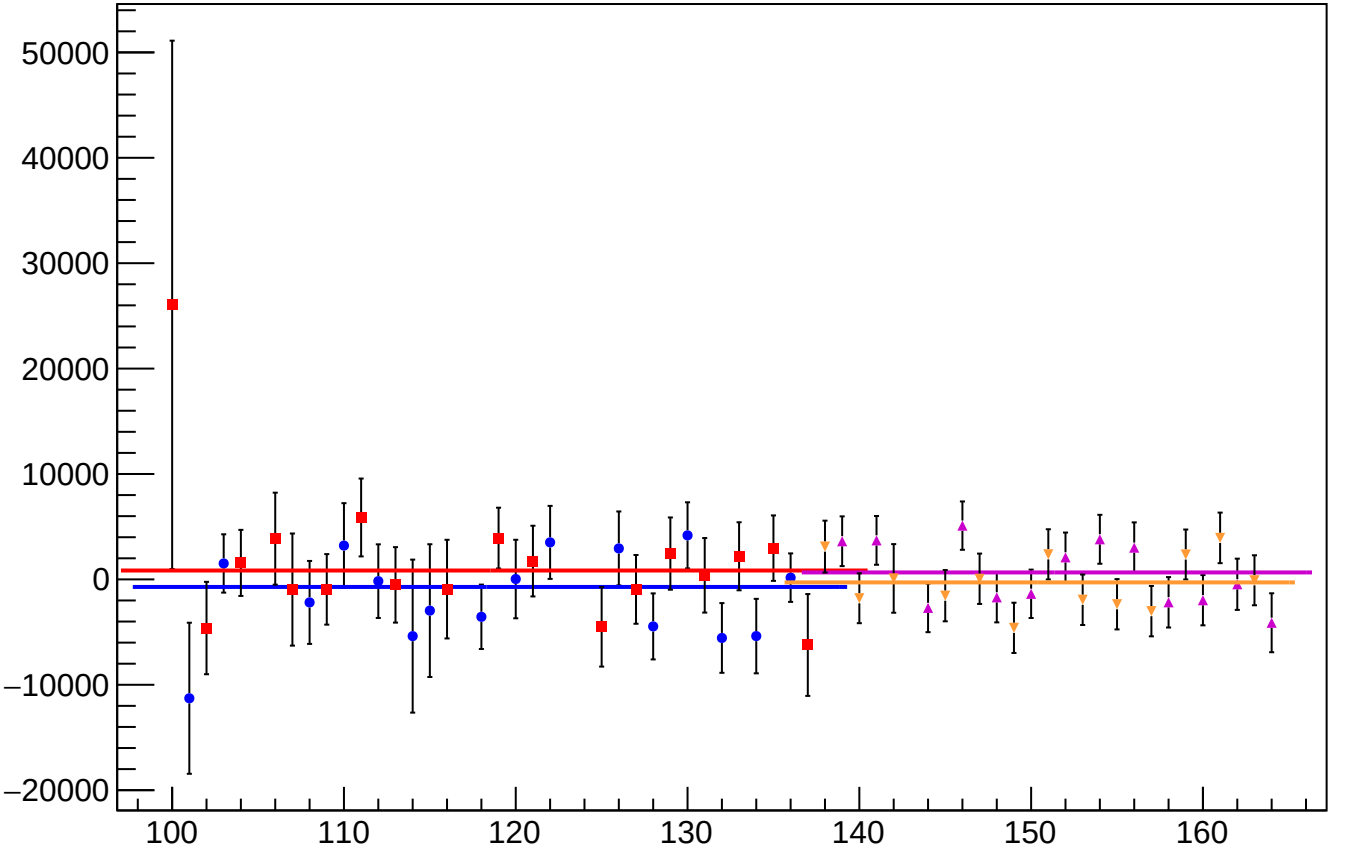
Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

+ sign 164.480+/-0.031 χ^2/NDF: 6277114.7/28

All: 159.468+/-0.021 χ^2/NDF: 13260790.5/59

- 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: -286.044+/-675.787 χ^2/NDF:14.0/12

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

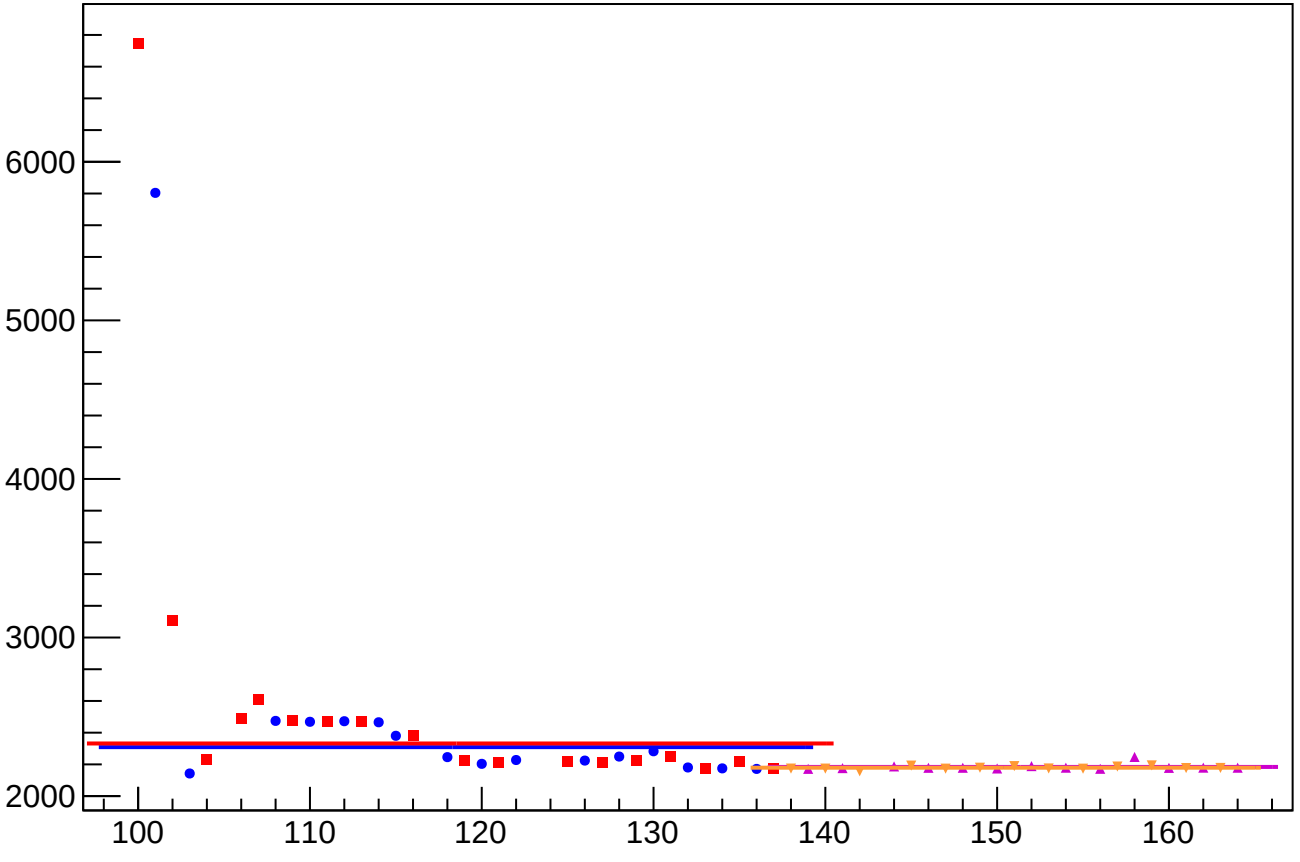
Left In: 659.613+/-659.357 χ^2/NDF:19.9/12

+ sign -447.449+/-534.509 χ^2/NDF: 30.0/28

All: 148.311+/-375.011 χ^2/NDF: 64.5/59

- 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: 2179.119+/-0.478 χ^2/NDF:344.7/12

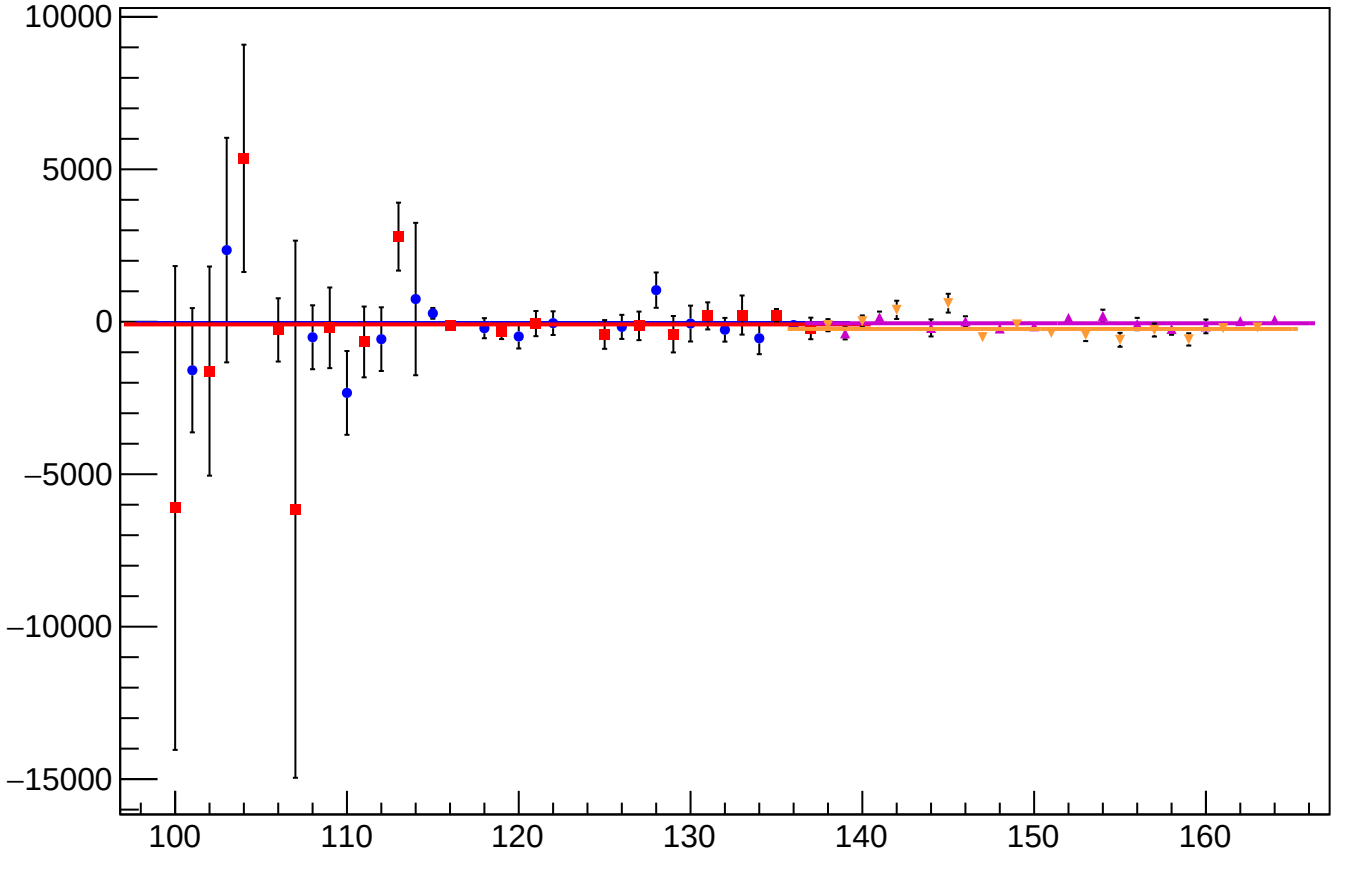
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

+ sign 2227.650+/-0.378 χ^2/NDF: 541635.7/28

All: 2232.711+/-0.265 χ^2/NDF: 747451.1/59

- 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: -235.853+/-50.480 χ^2/NDF:25.1/12

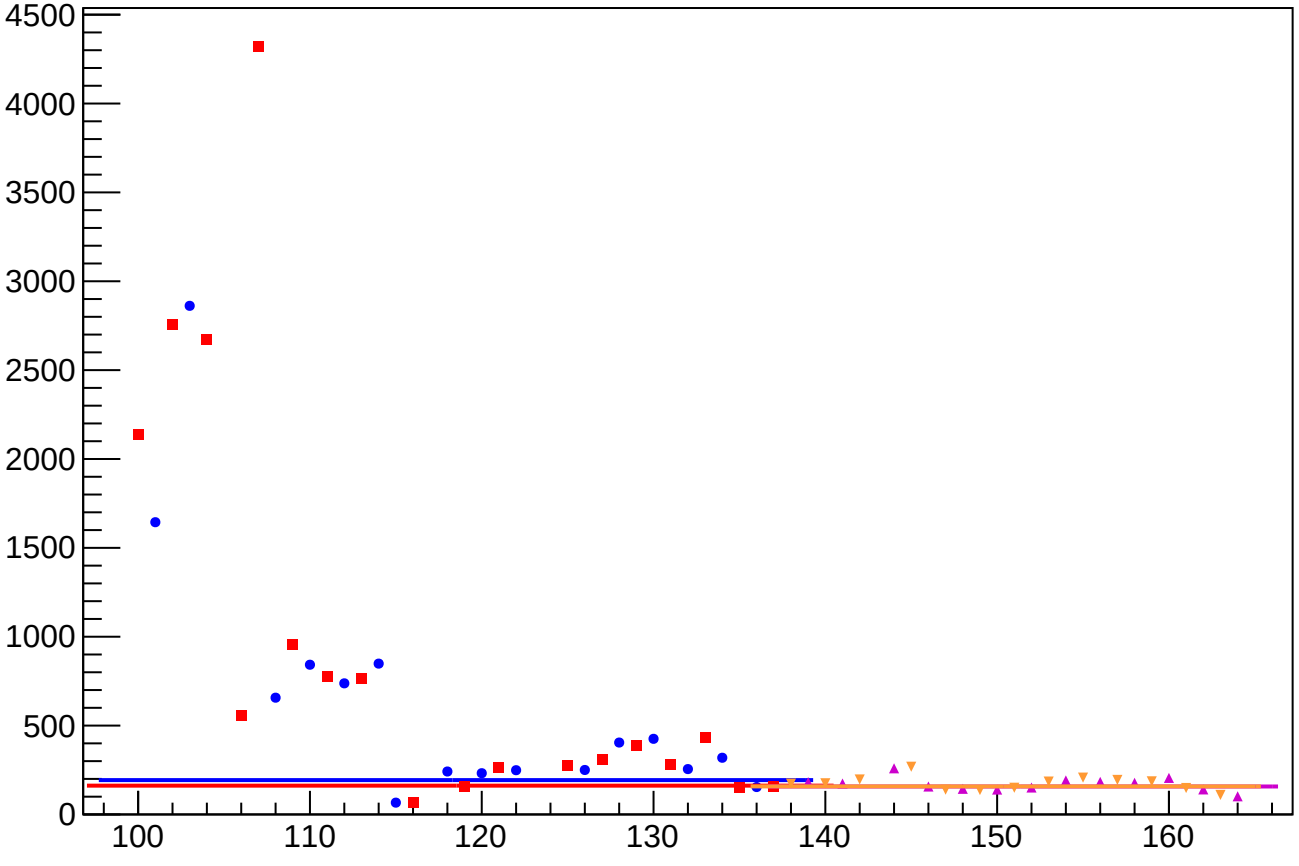
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -48.880+/-48.790 χ^2/NDF:10.6/12

\+ sign -190.868+/-44.301 χ^2/NDF: 42.6/28

All: -121.593+/-30.649 χ^2/NDF: 73.0/59

\- 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: 157.856+/-0.036 χ^2/NDF:938323.2/12

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

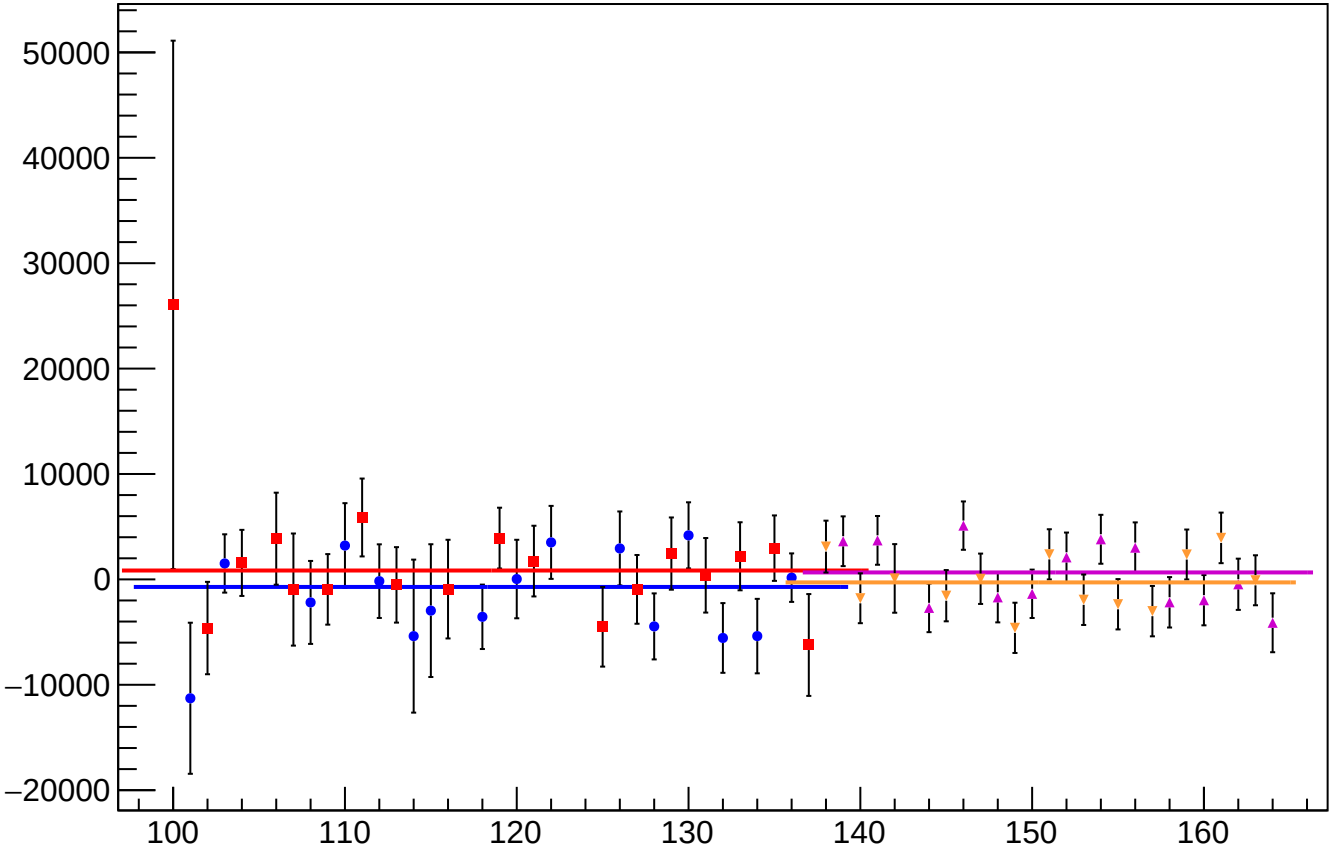
Left In: 157.358+/-0.034 χ^2/NDF:936456.2/12

+ sign 165.992+/-0.031 χ^2/NDF: 6782205.6/28

All: 162.093+/-0.022 χ^2/NDF: 14823480.1/59

- 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: -286.046+/-675.787 χ^2/NDF:14.0/12

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

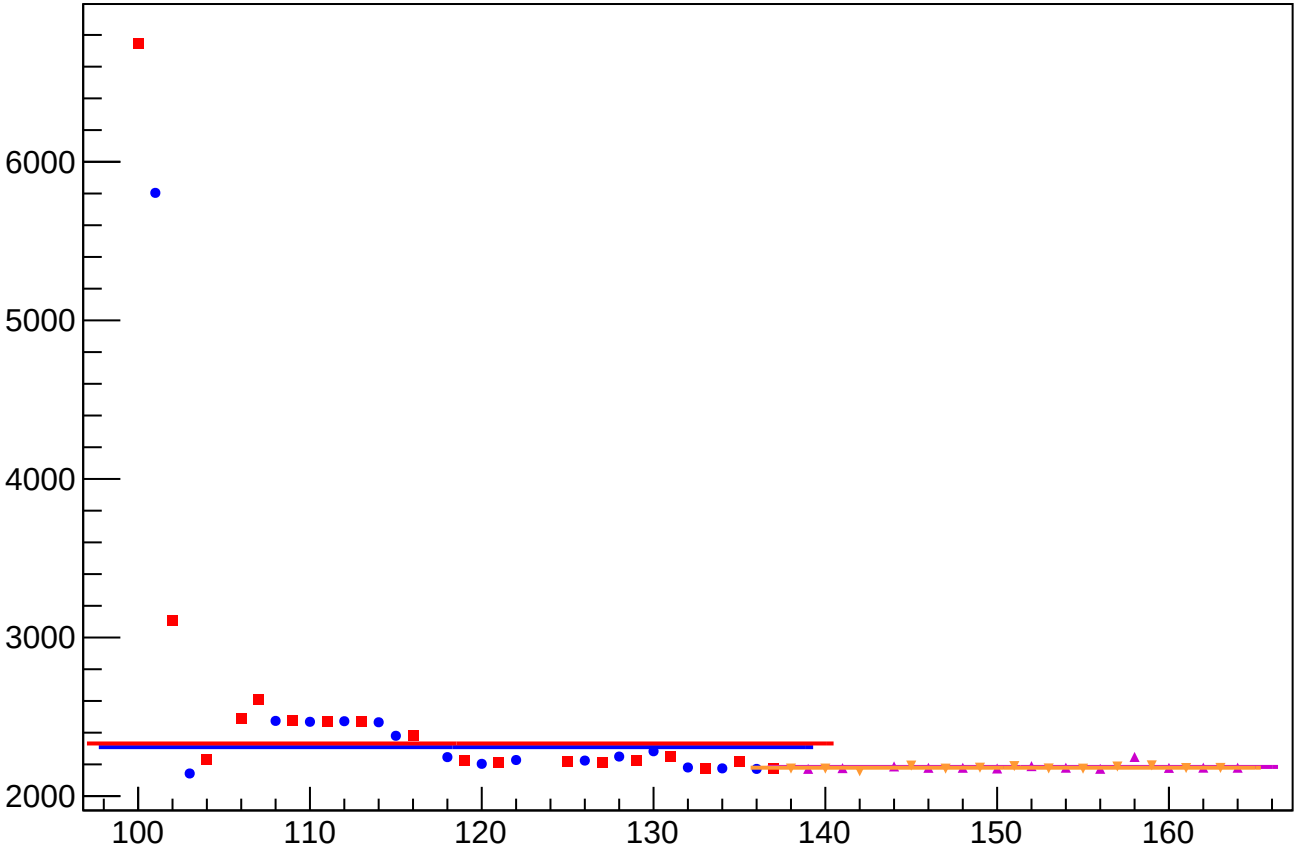
Left In: 659.613+/-659.357 χ^2/NDF:19.9/12

+ sign -447.450+/-534.509 χ^2/NDF: 30.0/28

All: 148.310+/-375.011 χ^2/NDF: 64.5/59

- 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: 2179.119+/-0.478 χ^2/NDF:344.7/12

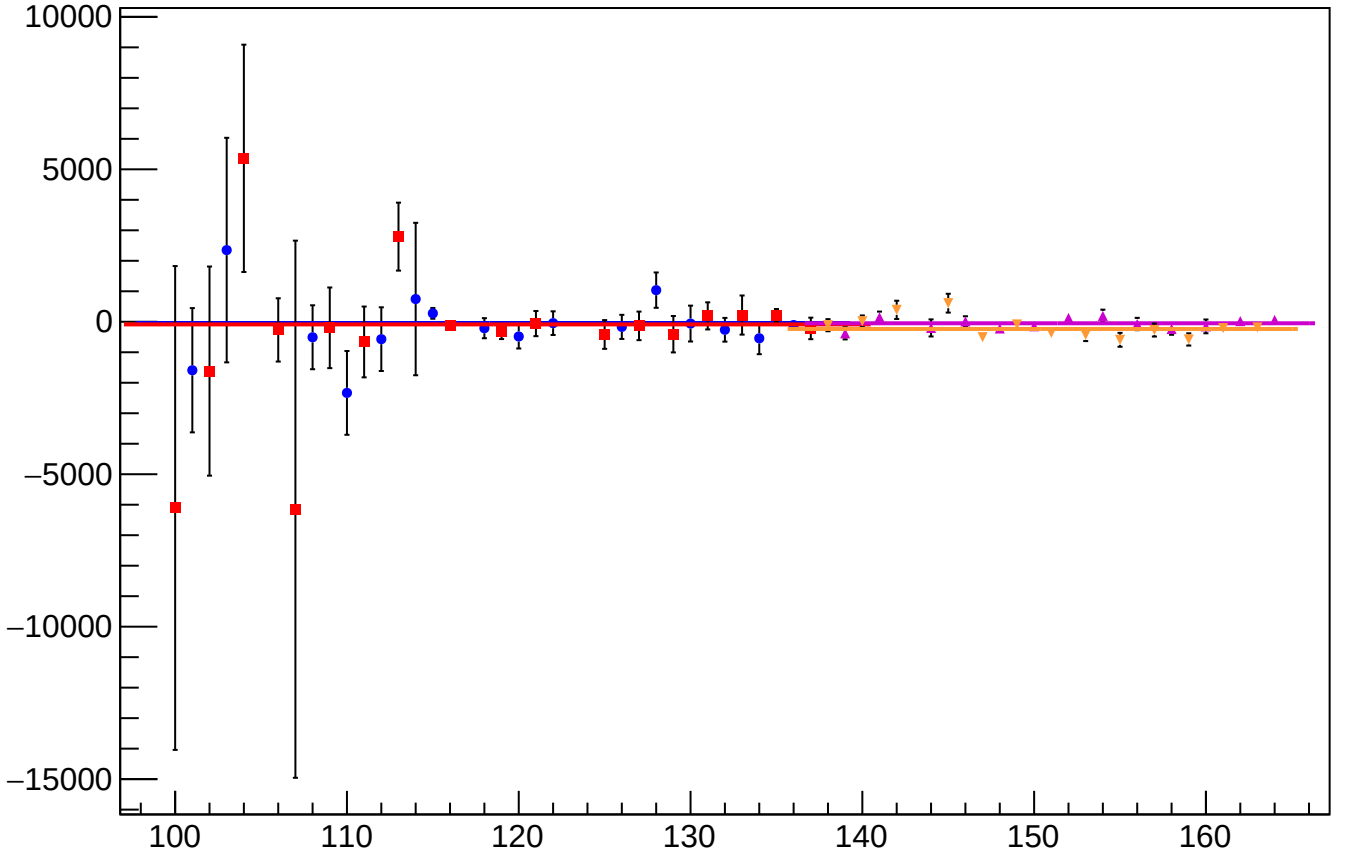
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

+ sign 2227.650+/-0.378 χ^2/NDF: 541635.7/28

All: 2232.711+/-0.265 χ^2/NDF: 747451.0/59

- sign 2237.618+/-0.372 χ^2/NDF: 205462.2/30



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -235.854+/-50.480 χ^2/NDF:25.1/12

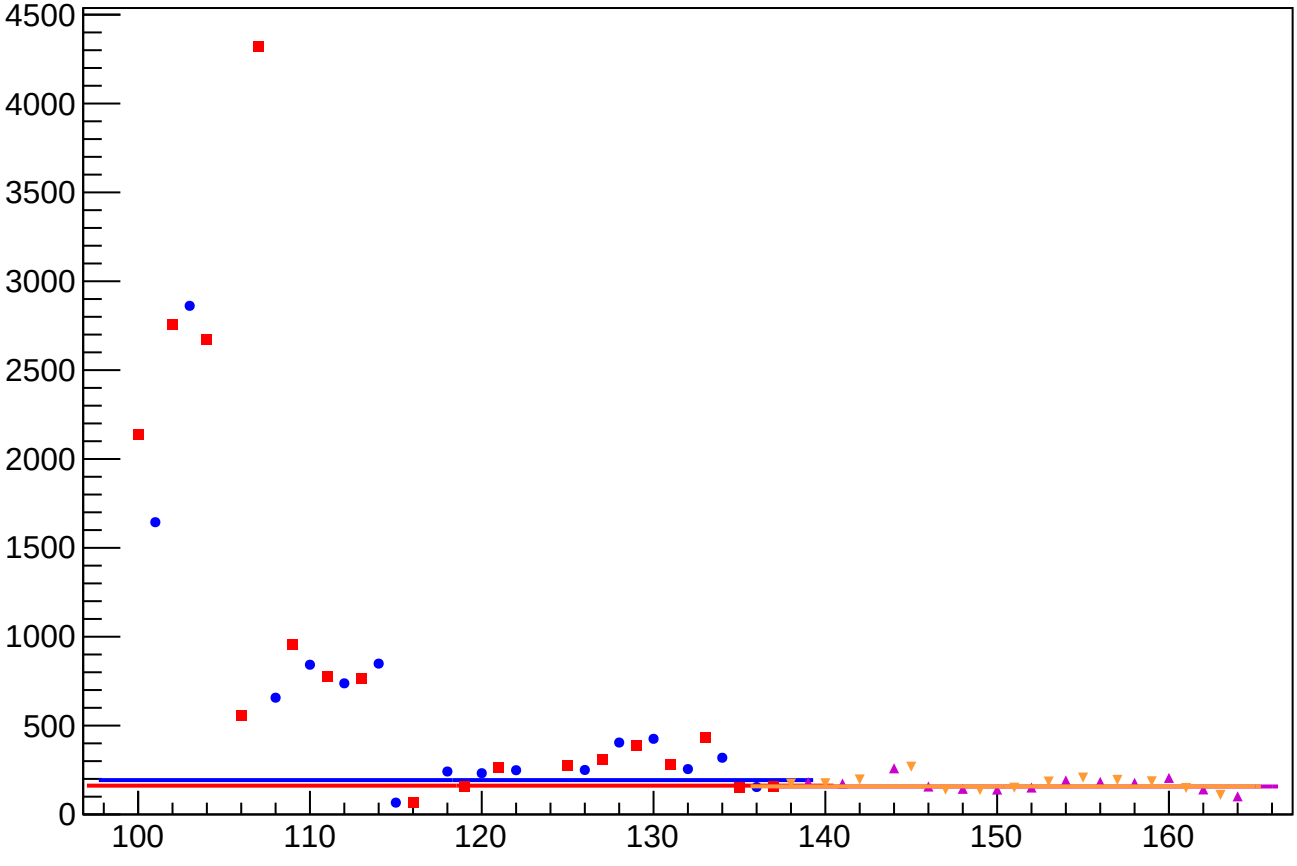
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -48.878+/-48.790 χ^2/NDF:10.6/12

+ sign -190.867+/-44.301 χ^2/NDF: 42.6/28

All: -121.593+/-30.649 χ^2/NDF: 73.0/59

- sign -57.995+/-42.447 χ^2/NDF: 25.7/30



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 157.856+/-0.036 χ^2/NDF:938355.9/12

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

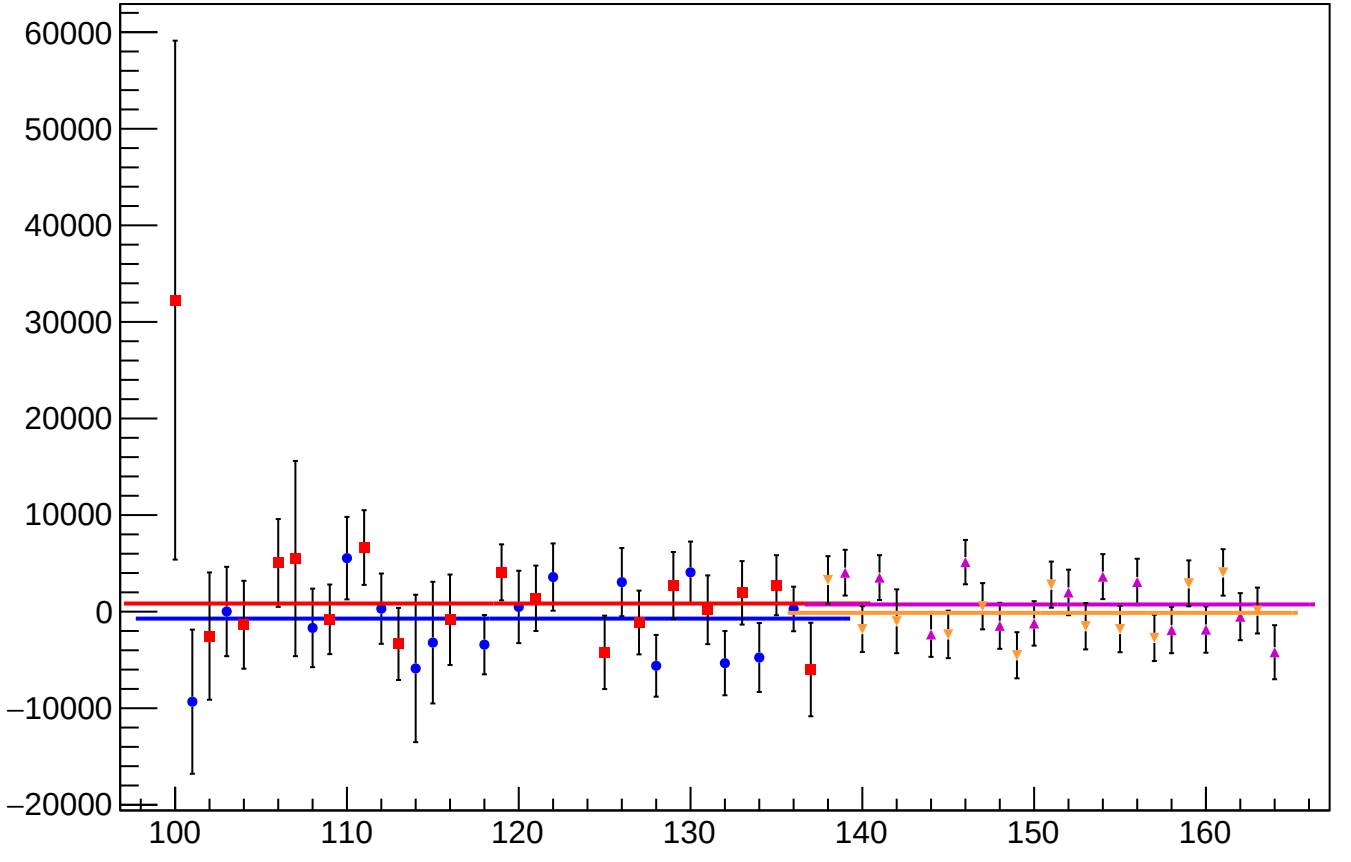
Left In: 157.358+/-0.034 χ^2/NDF:936503.0/12

+ sign 165.991+/-0.031 χ^2/NDF: 6782253.3/28

All: 162.093+/-0.022 χ^2/NDF: 14823630.3/59

- 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: -124.032+/-678.528 χ^2/NDF:14.9/12

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

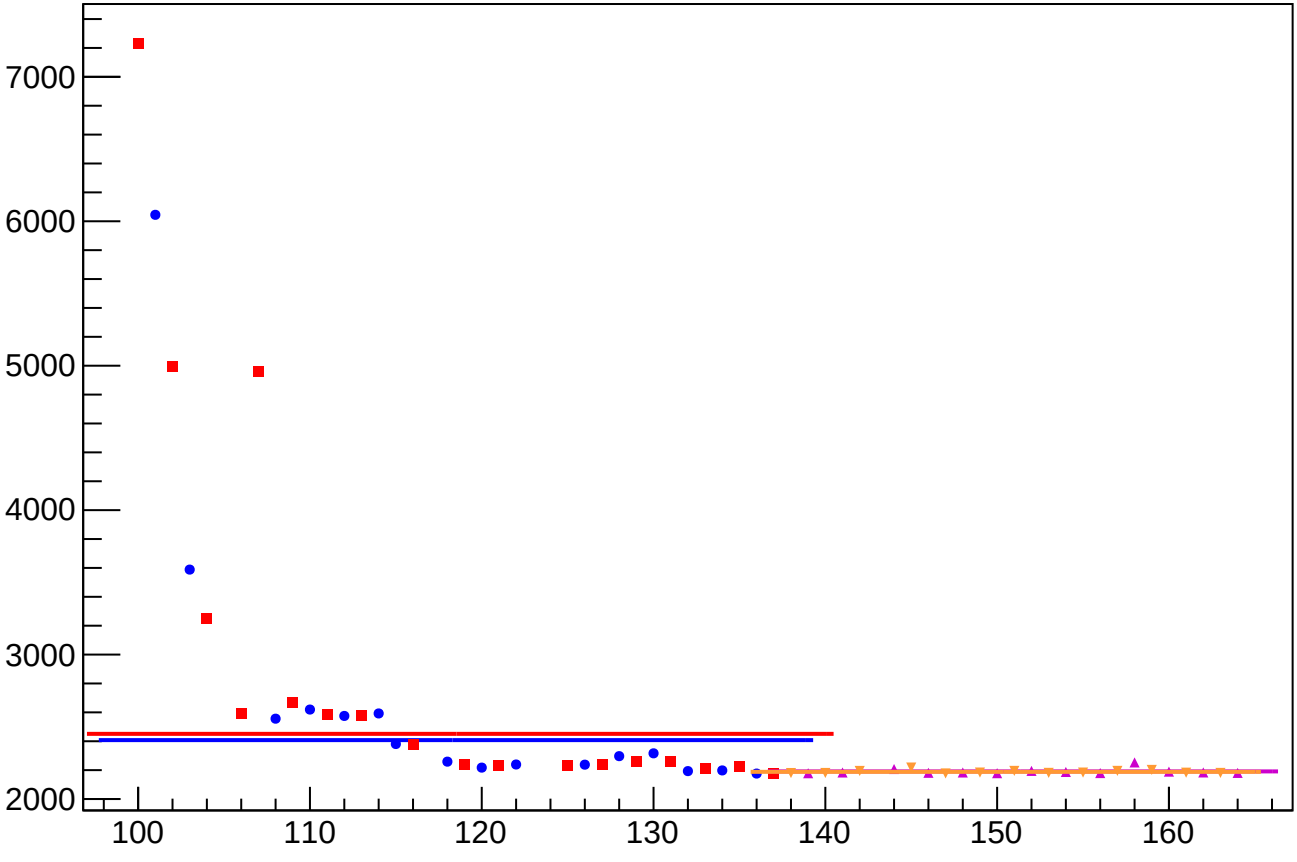
Left In: 745.134+/-661.550 χ^2/NDF:18.9/12

\+ sign -334.963+/-545.281 χ^2/NDF: 31.0/28

All: 228.498+/-383.268 χ^2/NDF: 65.0/59

\- 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: 2188.192+/-0.480 χ^2/NDF:545.8/12

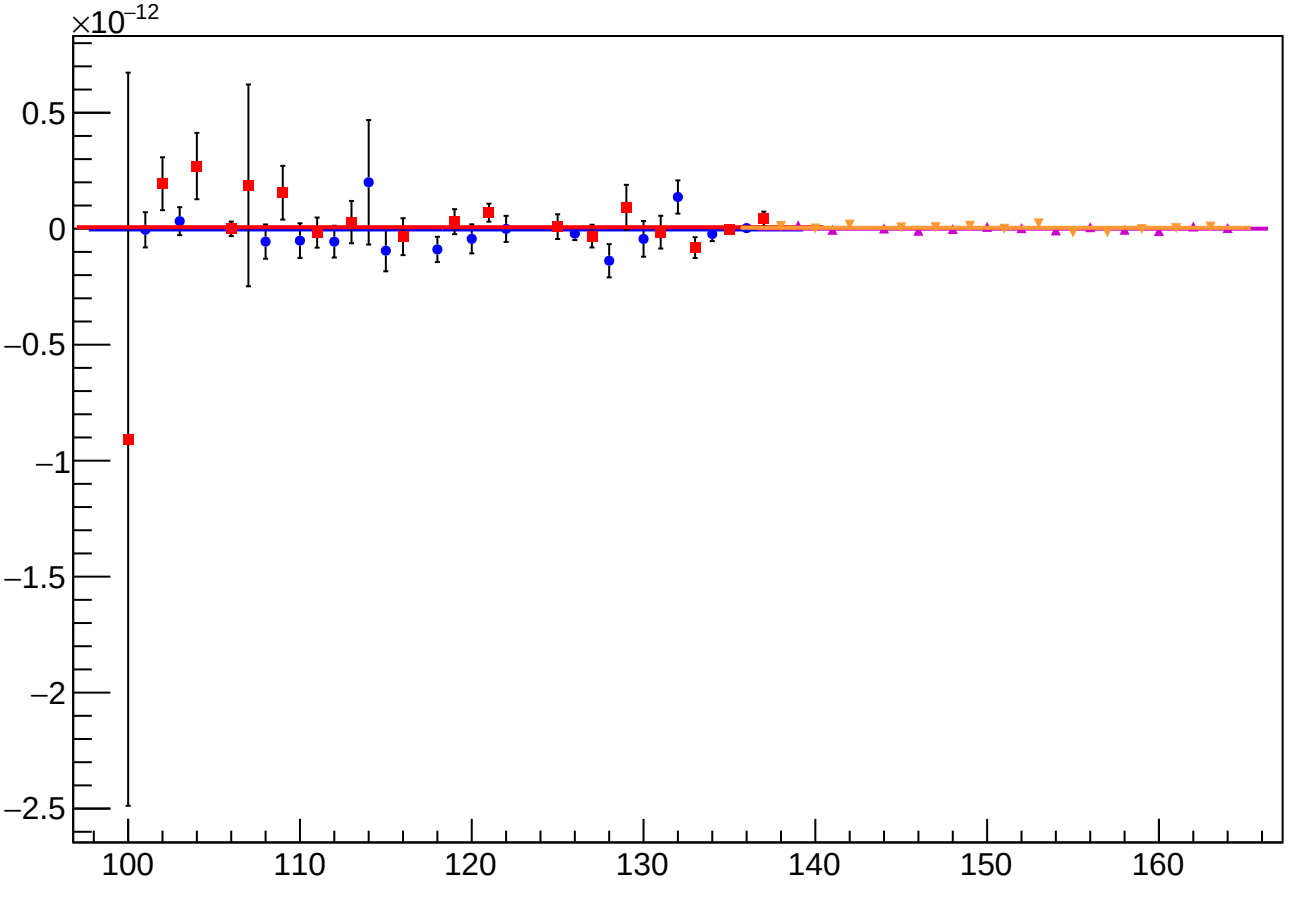
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.189+/-0.468 χ^2/NDF:1732.7/12

+ sign 2265.973+/-0.386 χ^2/NDF: 751637.3/28

All: 2272.417+/-0.271 χ^2/NDF: 1491511.8/59

- 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:11.6/12

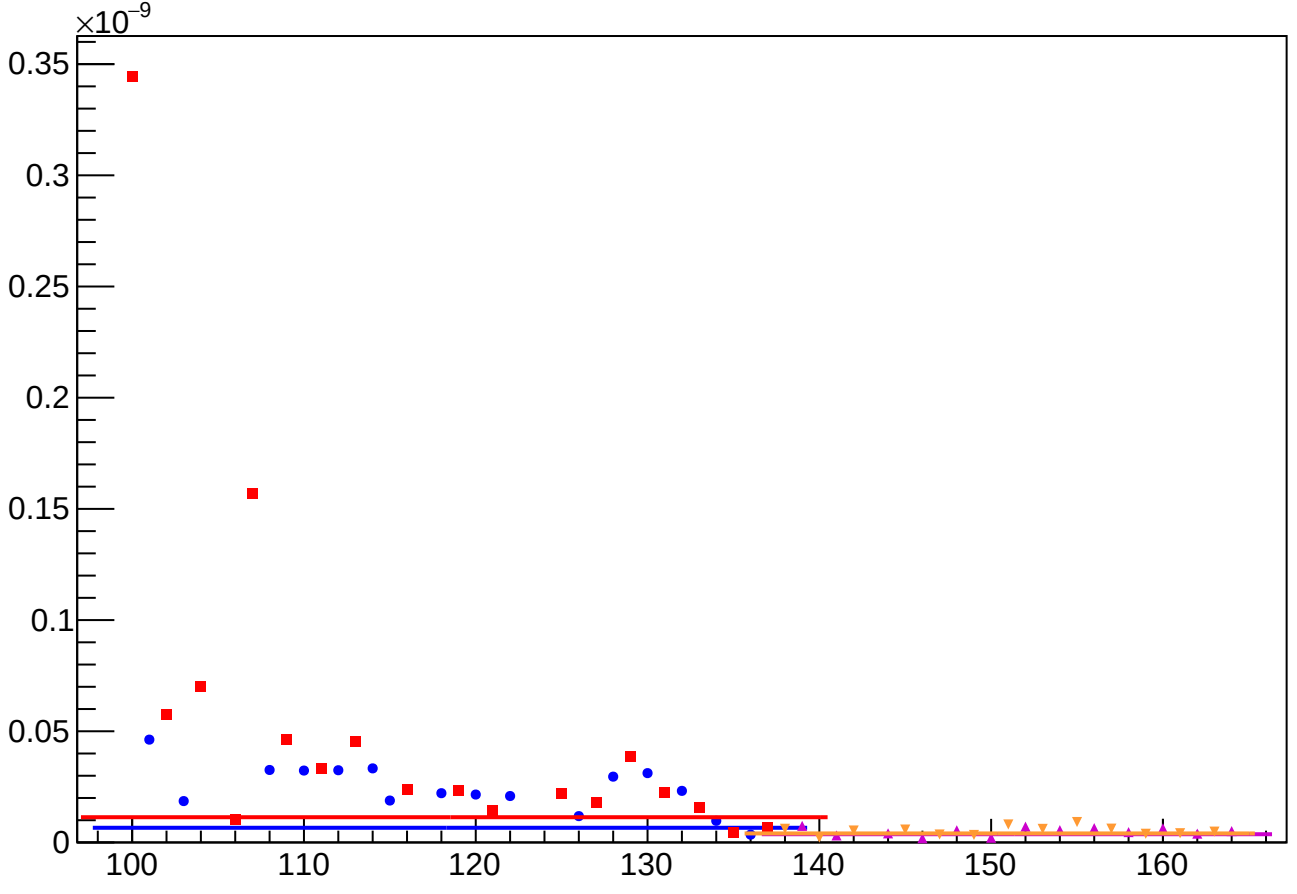
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/28

All: 0.000+/-0.000 χ^2/NDF: 59.5/59

- 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:1160572.2/12

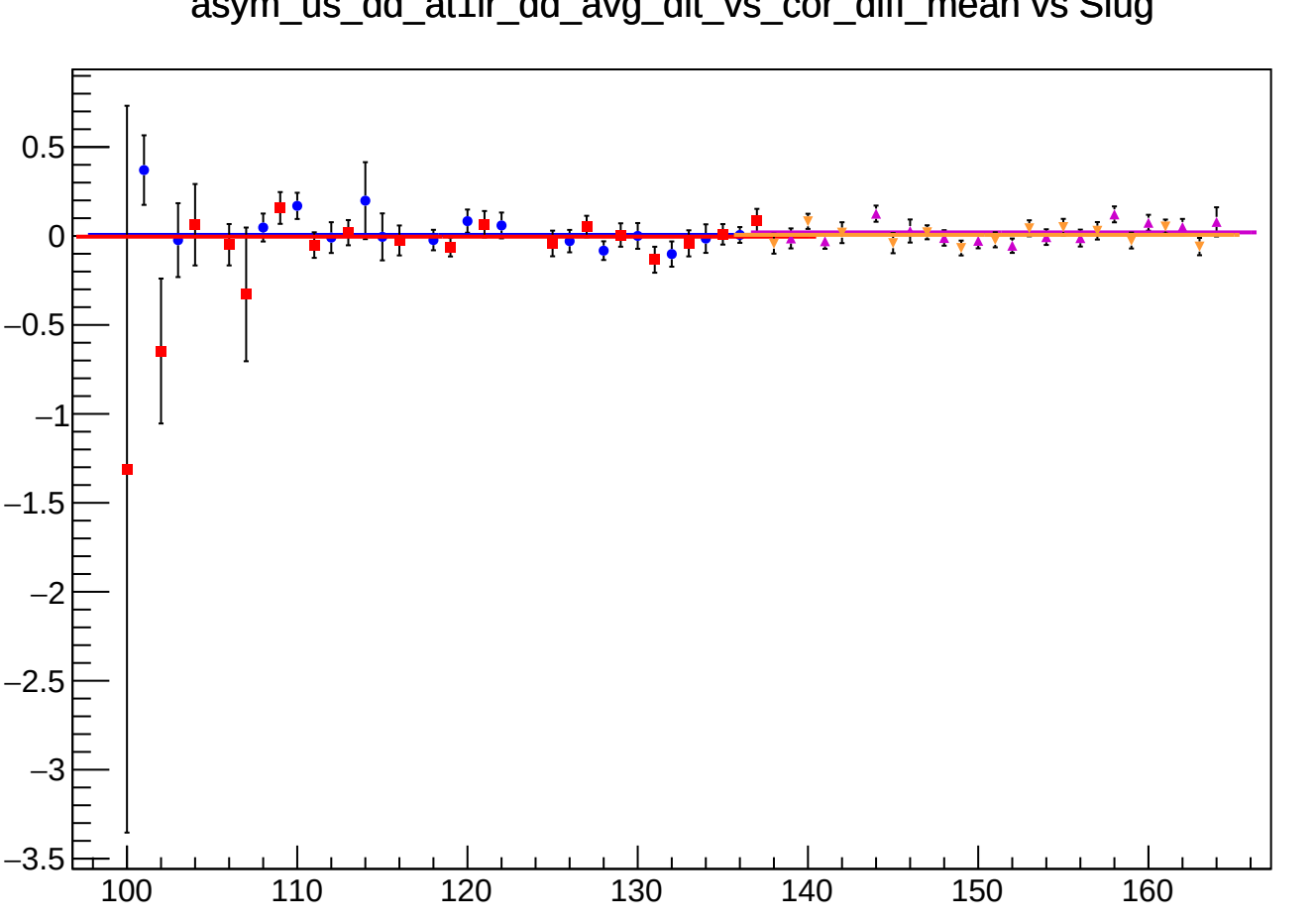
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1189615.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4306212.3/28

All: 0.000+/-0.000 χ^2/NDF: 9379080.2/59

- 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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

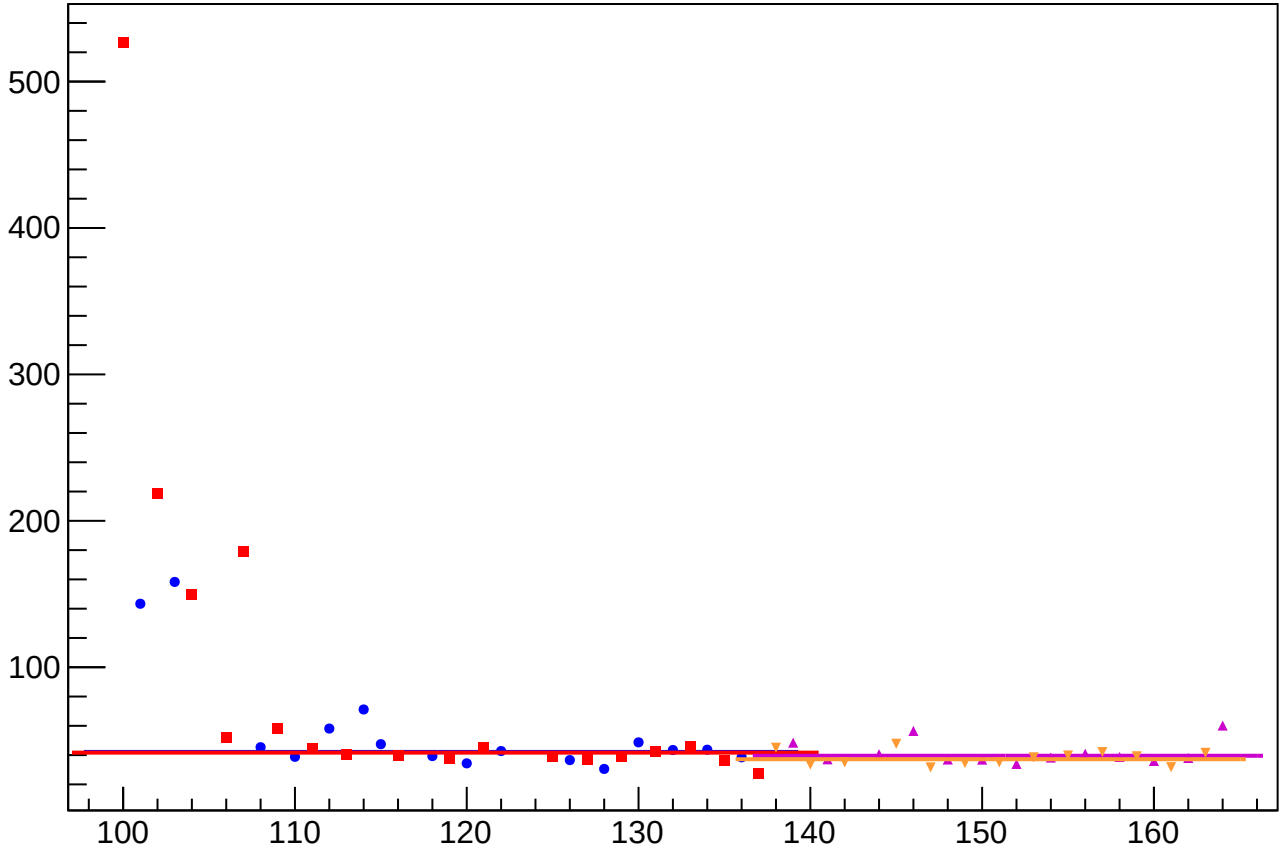
Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 69.4/59

- 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: 37.177+/-0.009 χ^2/NDF:266025.5/12

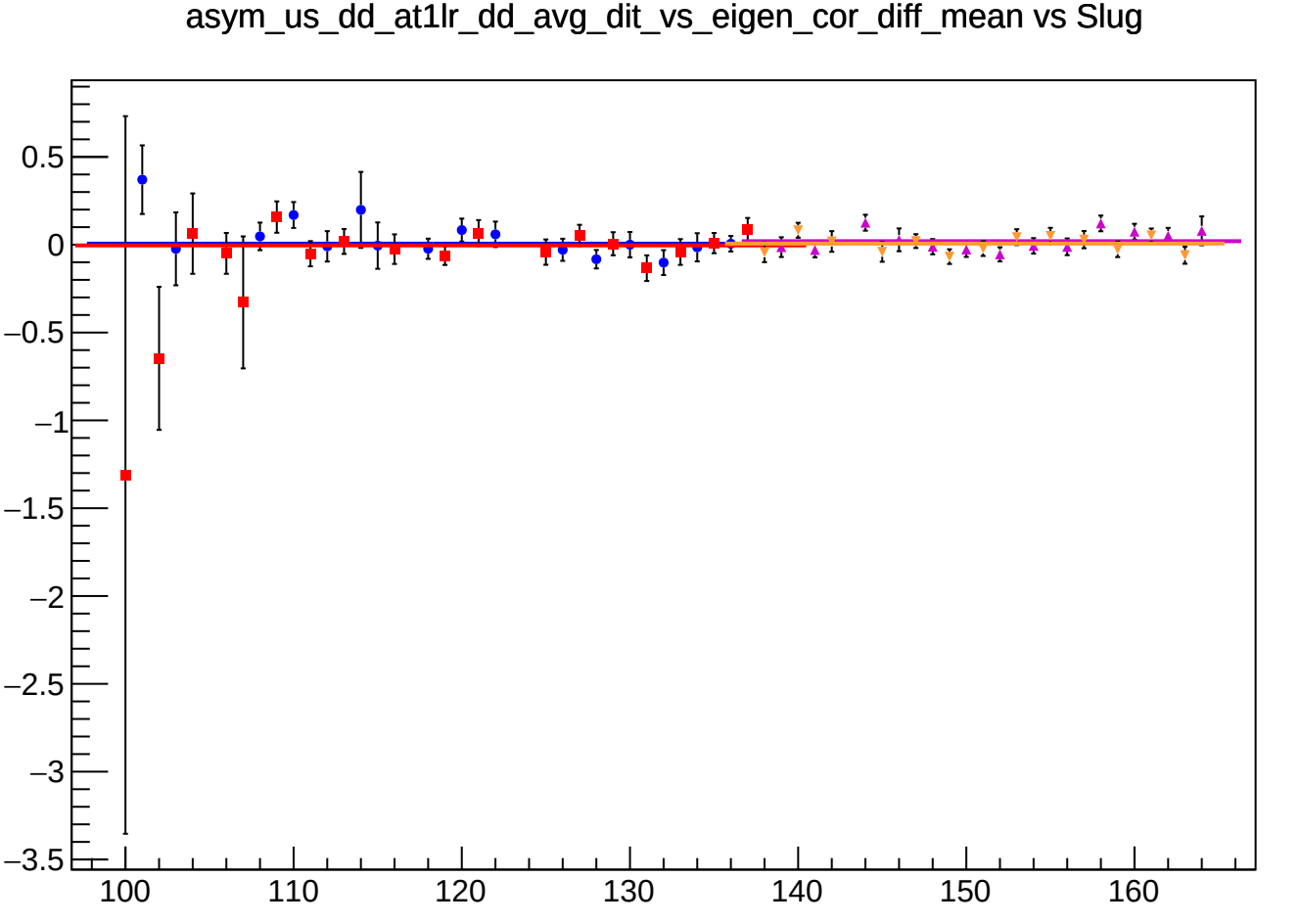
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

+ sign 38.804+/-0.007 χ^2/NDF: 1820977.5/28

All: 39.515+/-0.005 χ^2/NDF: 3691168.9/59

- 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: 0.006+/-0.013 χ^2/NDF:14.0/12

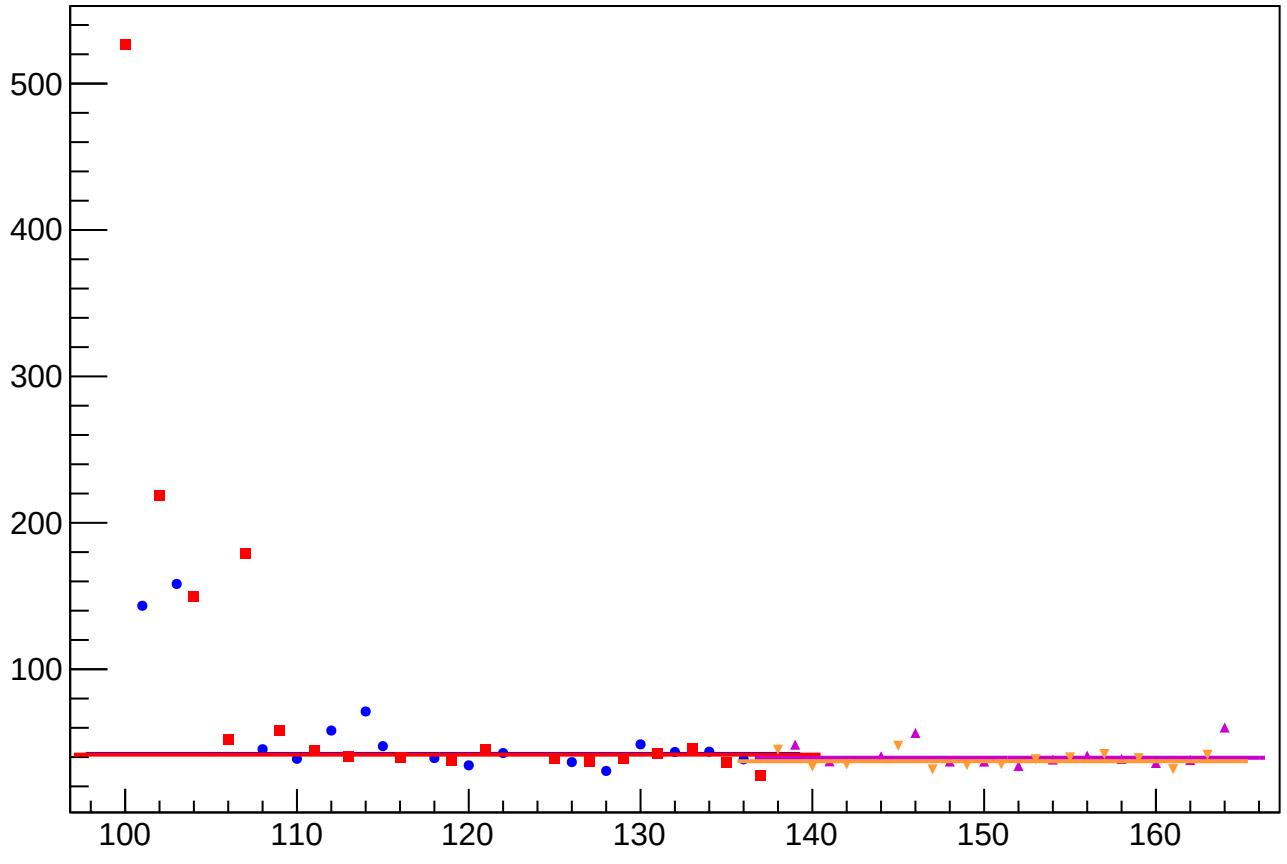
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 69.4/59

- 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: 37.177+/-0.009 χ^2/NDF:266025.5/12

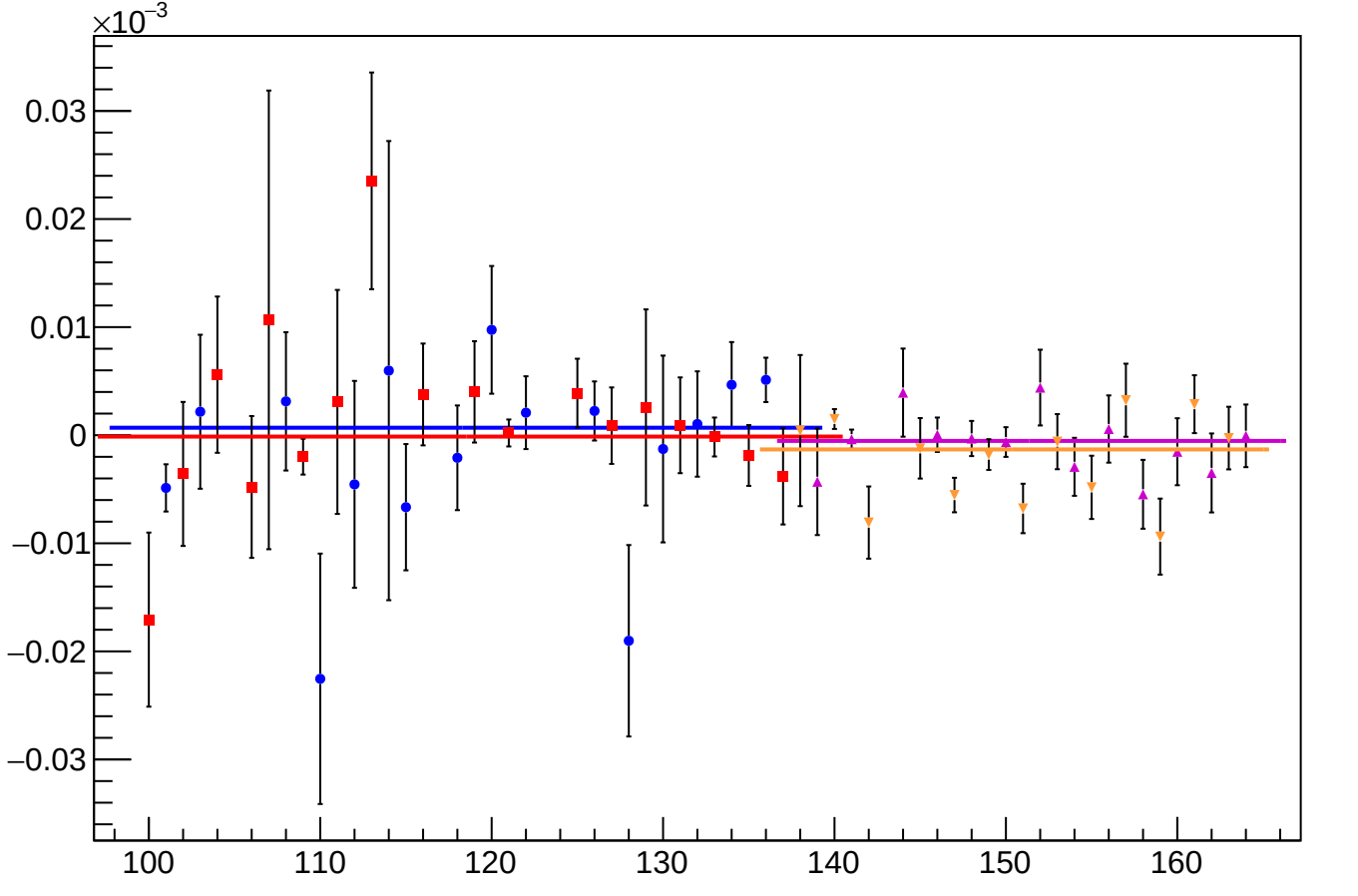
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

\+ sign 38.804+/-0.007 χ^2/NDF: 1820977.5/28

All: 39.515+/-0.005 χ^2/NDF: 3691168.9/59

\- 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:37.5/12

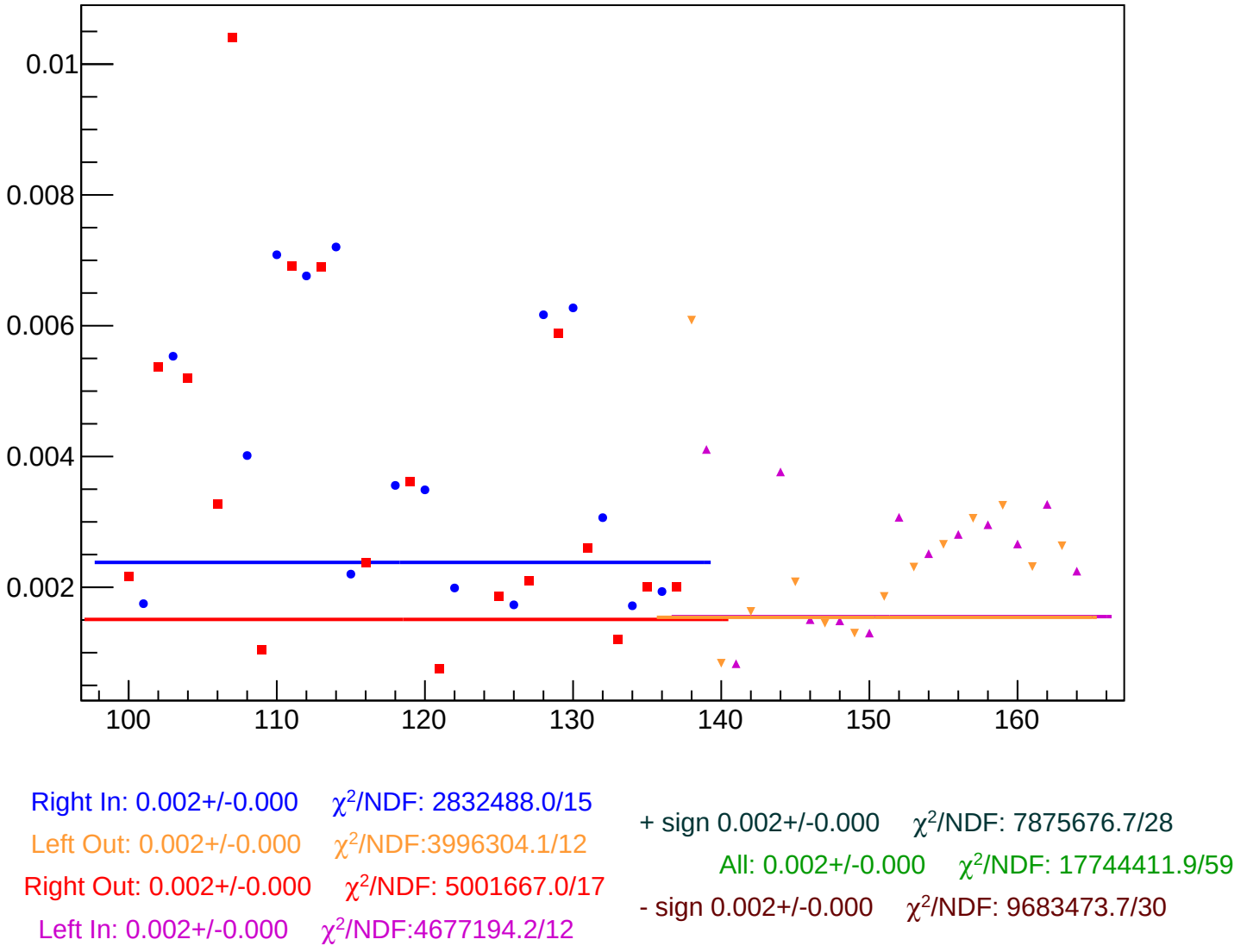
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

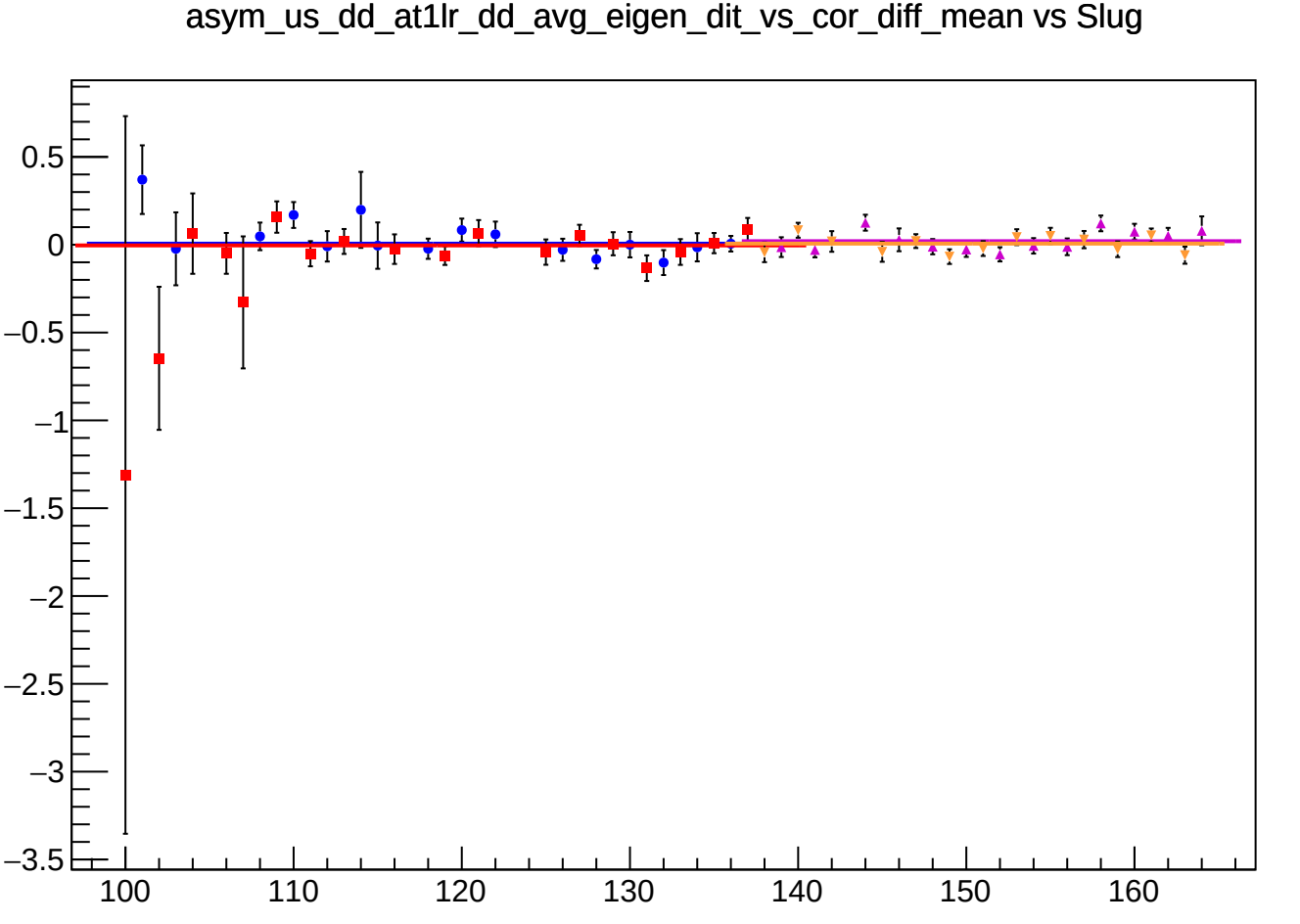
Left In: -0.000+/-0.000 χ^2/NDF:8.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/28

All: -0.000+/-0.000 χ^2/NDF: 93.2/59

- sign -0.000+/-0.000 χ^2/NDF: 25.7/30


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.002+/-0.000 χ²/NDF:3996304.1/12
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.002+/-0.000 χ²/NDF:4677194.2/12
+ sign 0.002+/-0.000 χ²/NDF: 7875676.7/28
All: 0.002+/-0.000 χ²/NDF: 17744411.9/59
- sign 0.002+/-0.000 χ²/NDF: 9683473.7/30



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:14.0/12

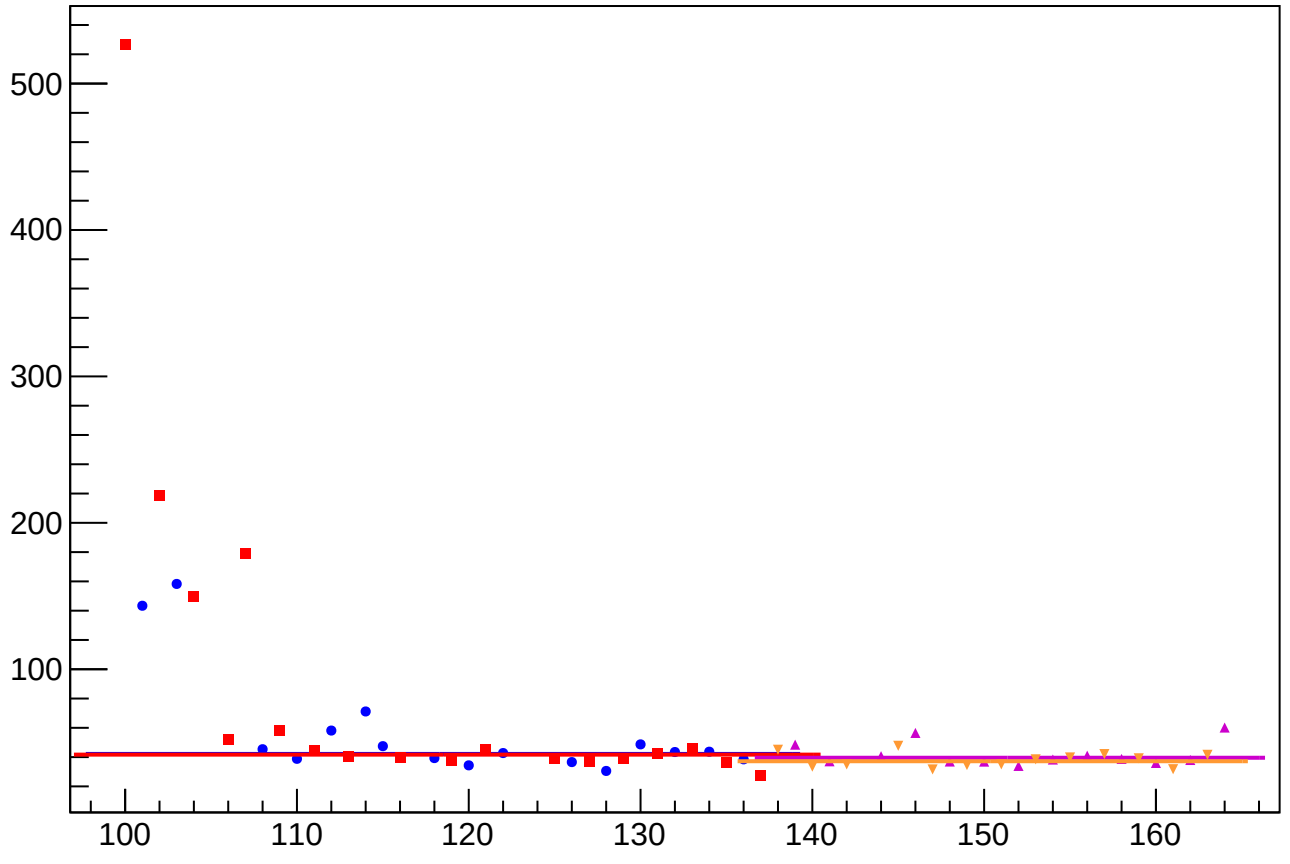
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 69.4/59

- 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: 37.178+/-0.009 χ^2/NDF:266007.8/12

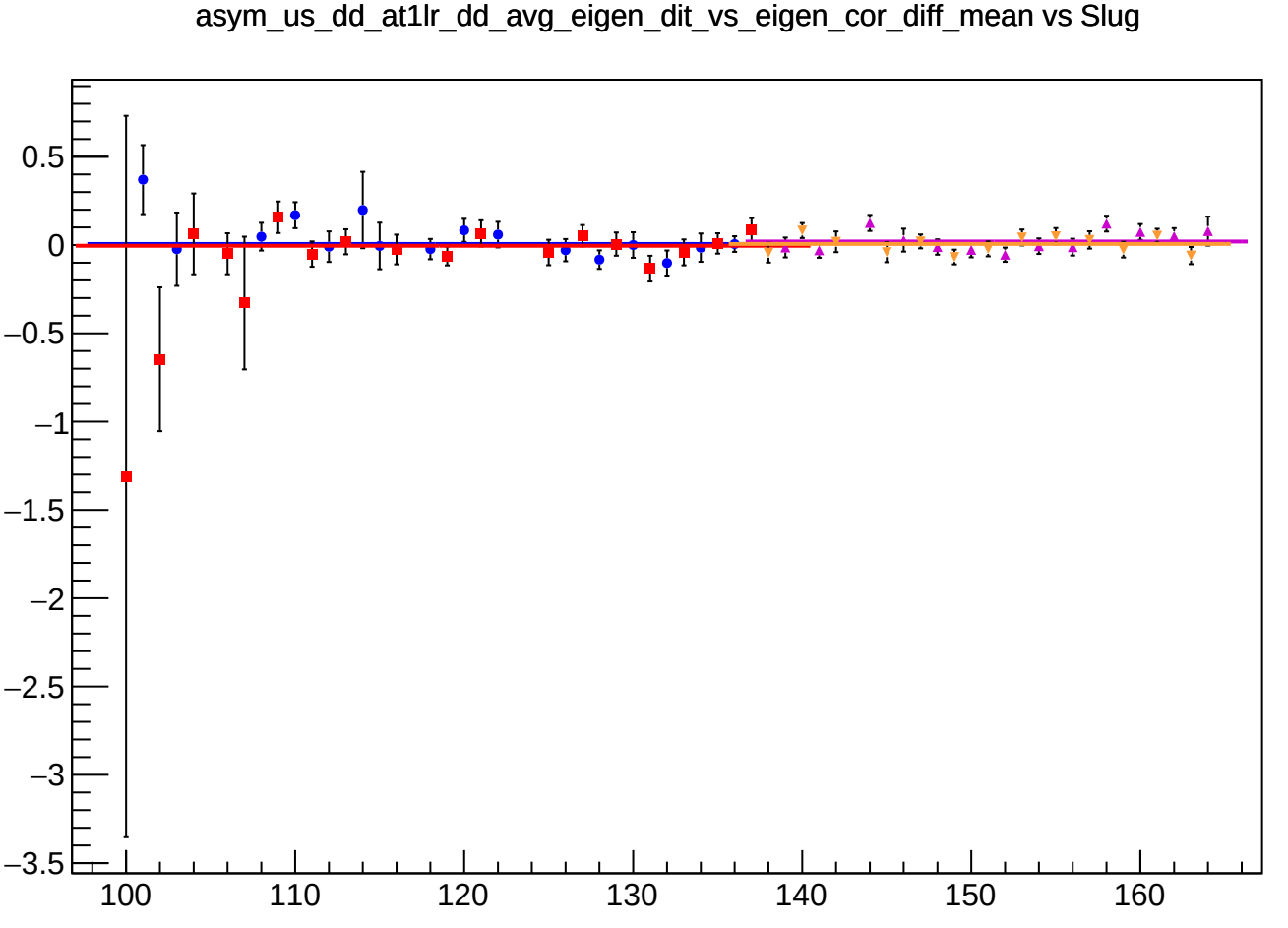
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

+ sign 38.804+/-0.007 χ^2/NDF: 1821076.1/28

All: 39.514+/-0.005 χ^2/NDF: 3691310.4/59

- 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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

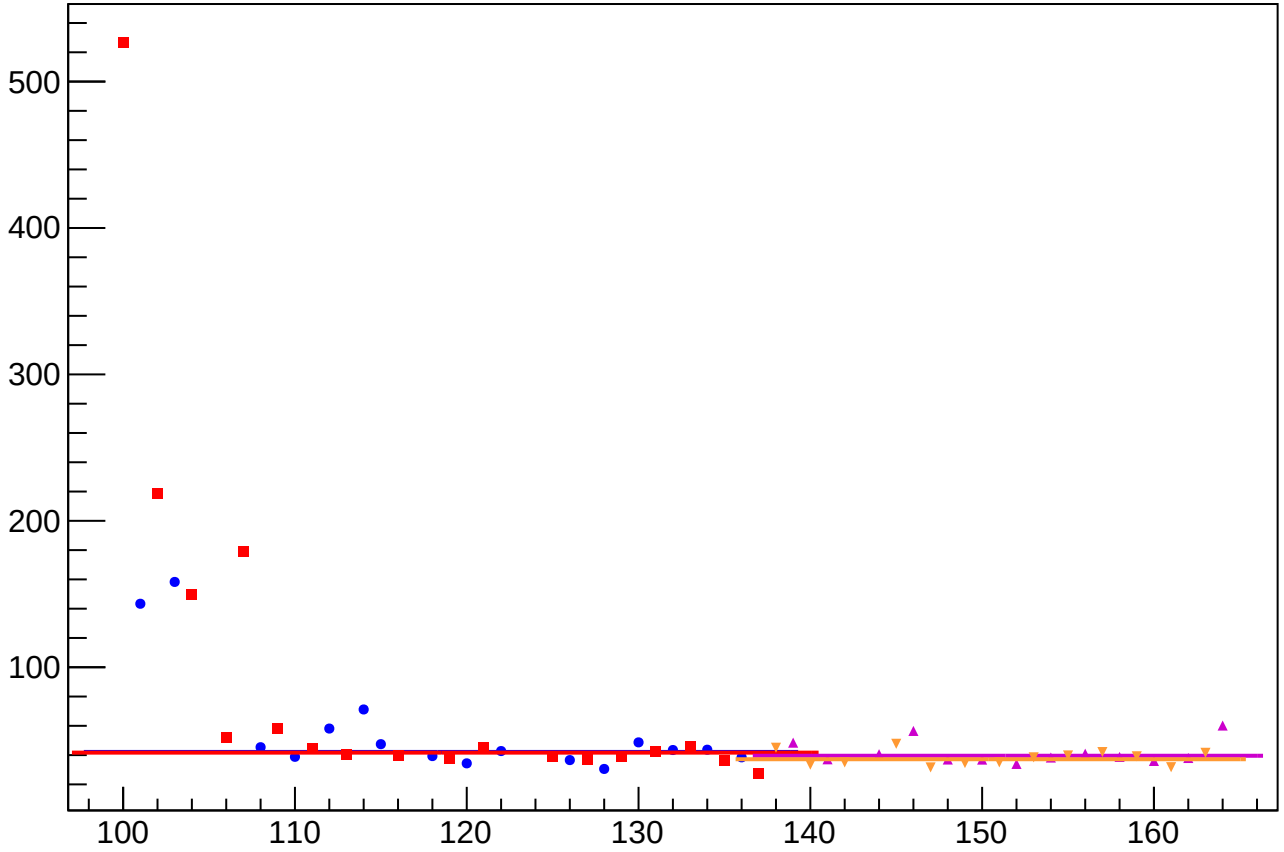
Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 69.4/59

- sign 0.012+/-0.011 χ^2/NDF: 38.1/30

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.178+/-0.009 χ^2/NDF:266007.8/12

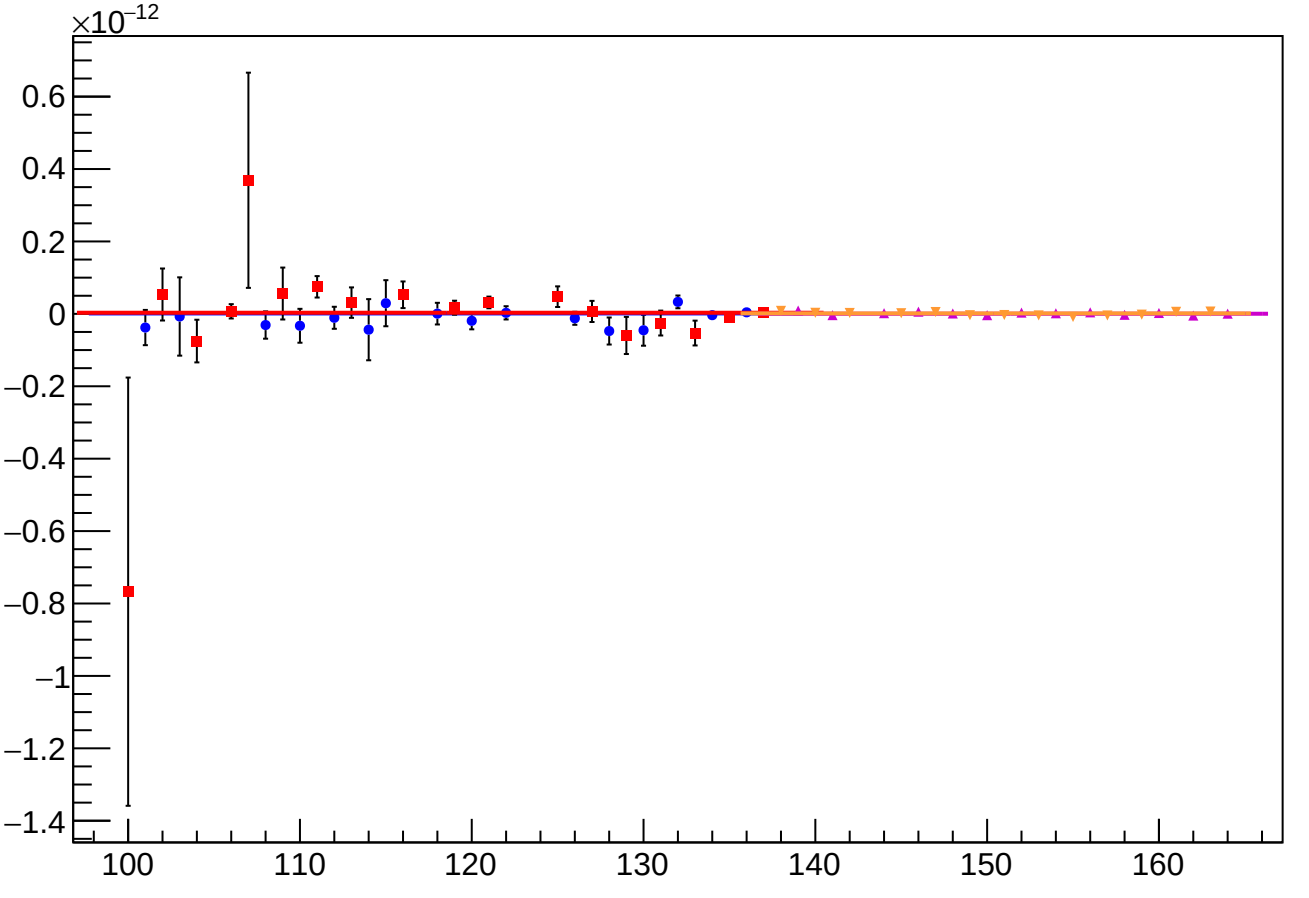
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

+ sign 38.804+/-0.007 χ^2/NDF: 1821076.1/28

All: 39.514+/-0.005 χ^2/NDF: 3691310.4/59

- sign 40.259+/-0.008 χ^2/NDF: 1851198.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/12

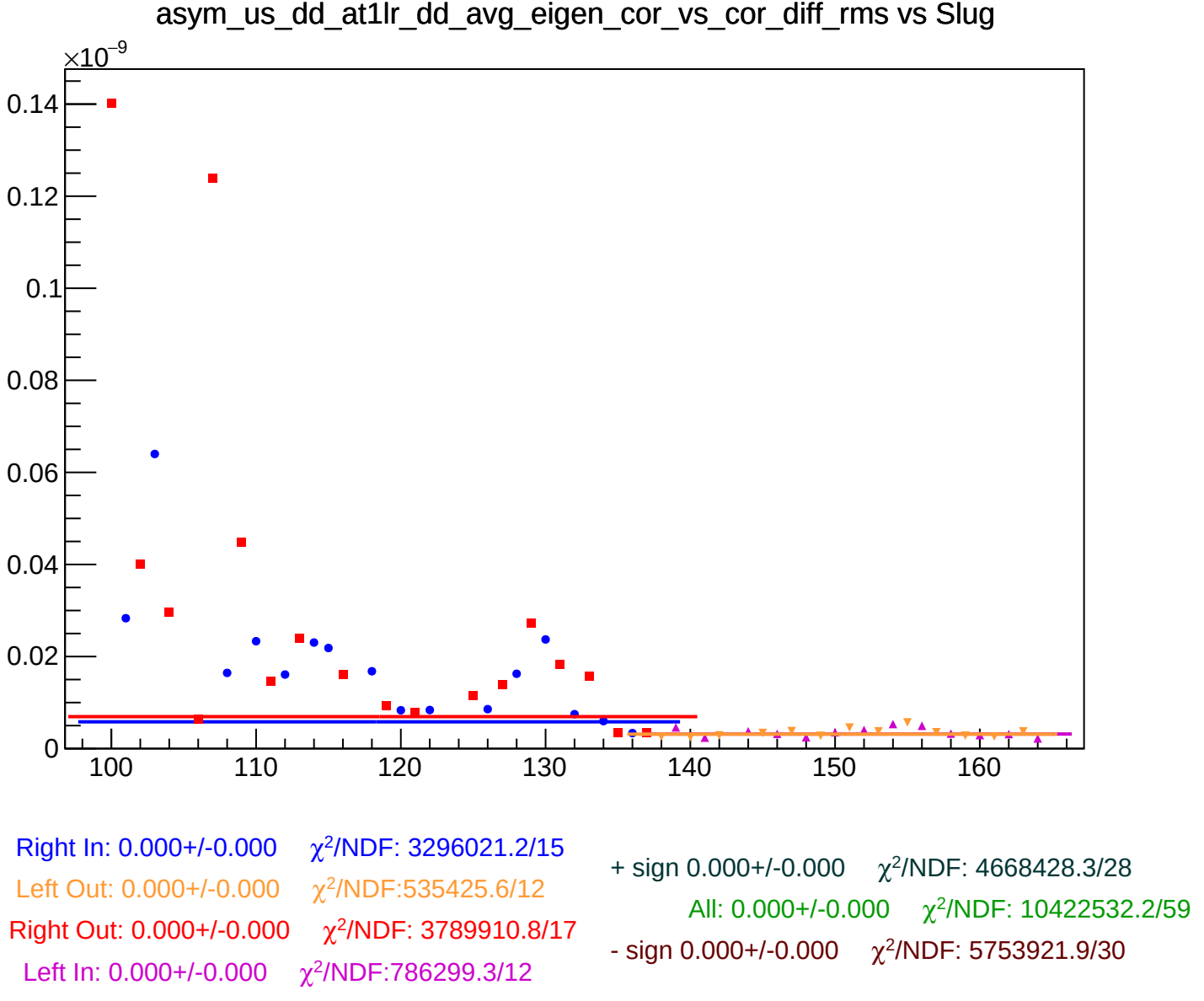
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

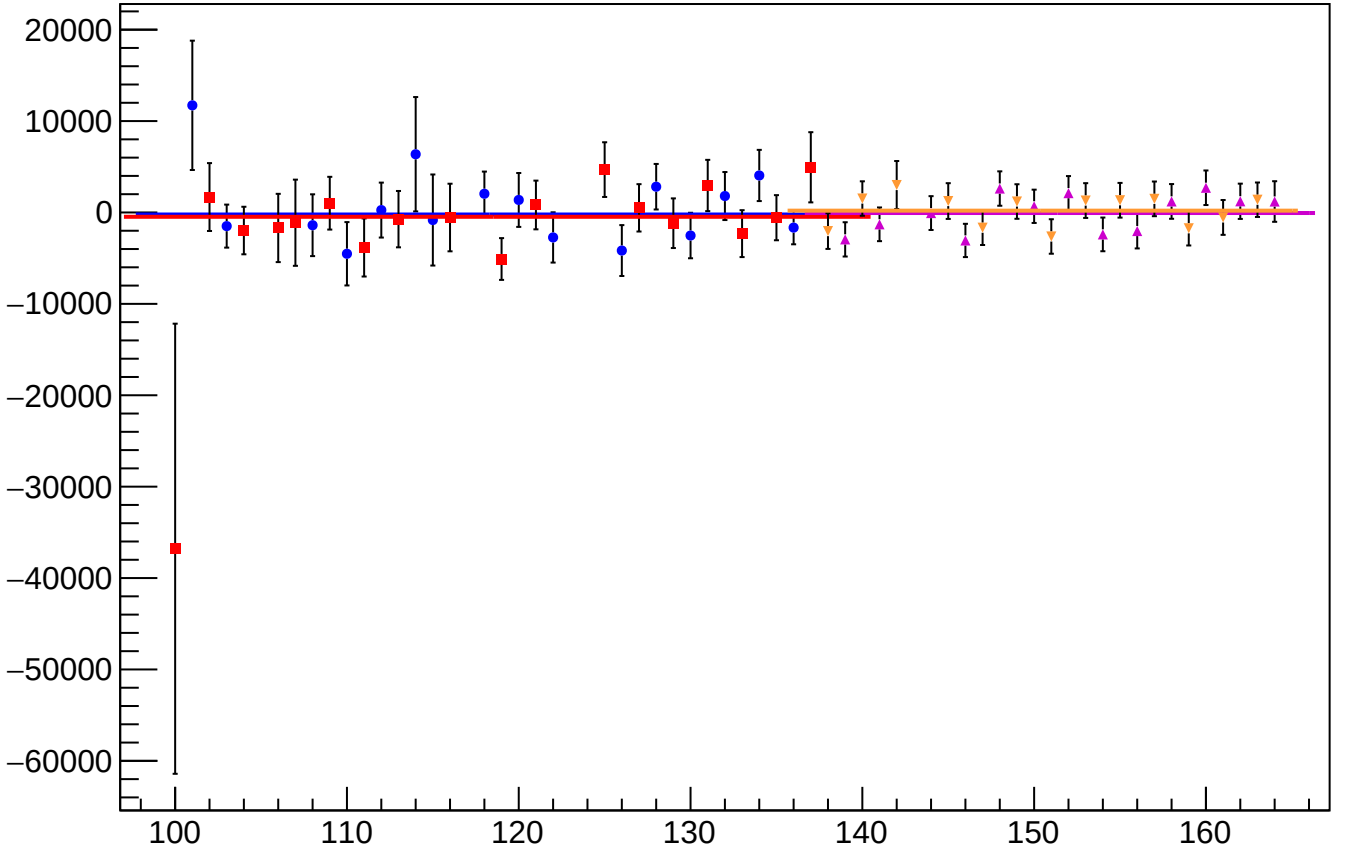
+ sign 0.000+/-0.000 χ^2/NDF: 21.7/28

All: 0.000+/-0.000 χ^2/NDF: 58.7/59

- sign 0.000+/-0.000 χ^2/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:535425.6/12
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: 4668428.3/28
All: 0.000+/-0.000 χ²/NDF: 10422532.2/59
- 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: 197.965+/-537.468 χ^2/NDF:9.5/12

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

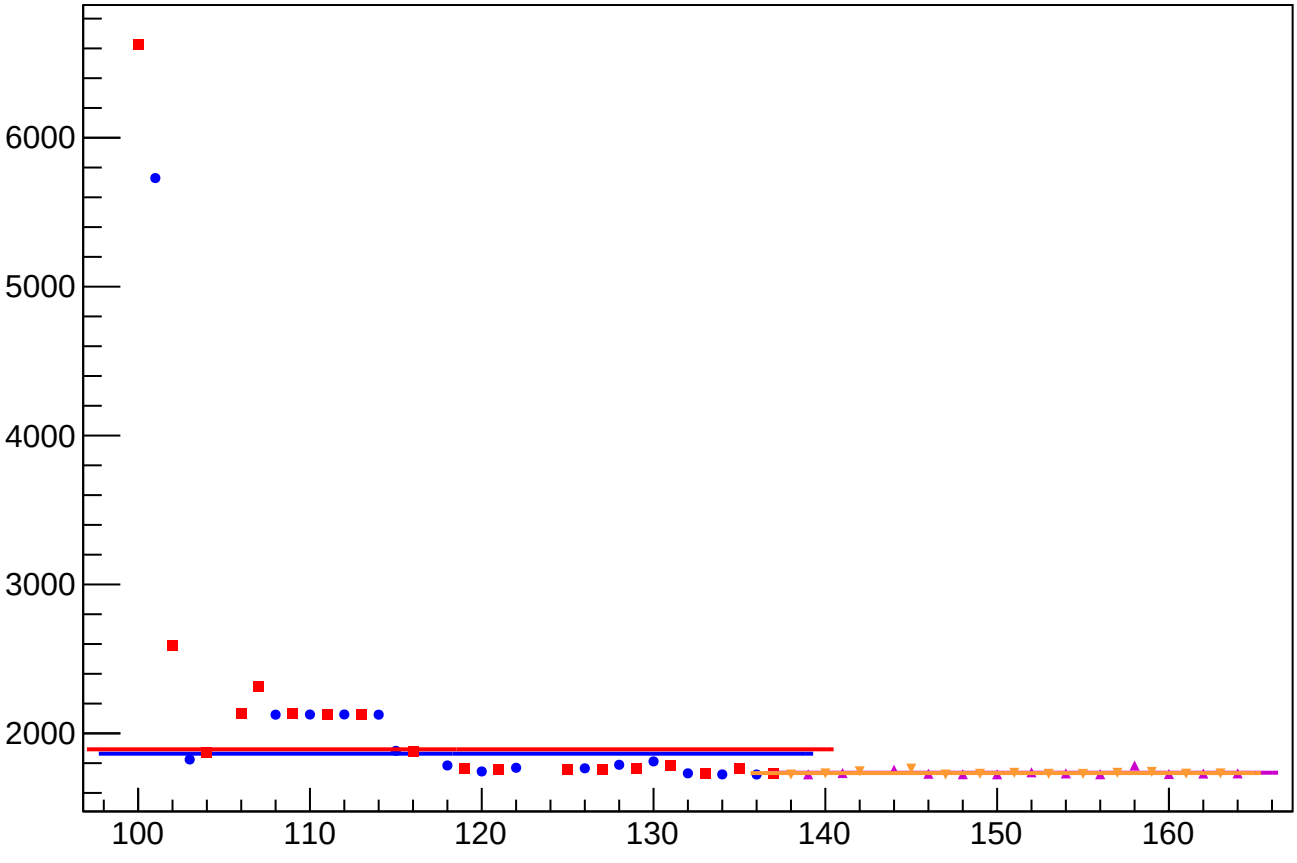
Left In: -59.665+/-524.026 χ^2/NDF:15.1/12

+ sign 44.385+/-428.344 χ^2/NDF: 25.5/28

All: -82.099+/-300.592 χ^2/NDF: 56.9/59

- 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: 1733.273+/-0.380 χ^2/NDF:713.2/12

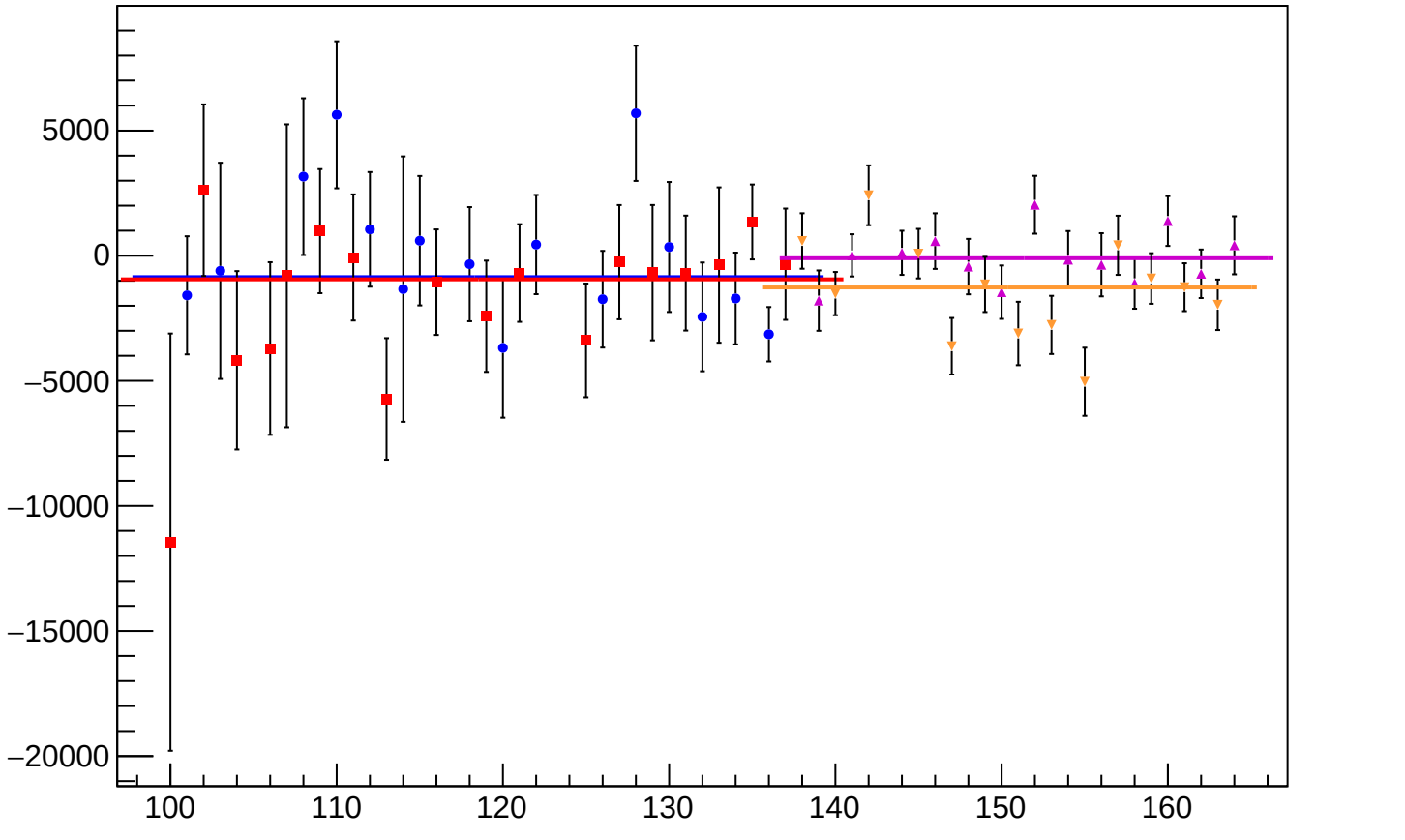
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.4/28

All: 1785.964+/-0.213 χ^2/NDF: 1035550.3/59

- 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: -1268.776+/-299.522 χ^2/NDF:32.6/12

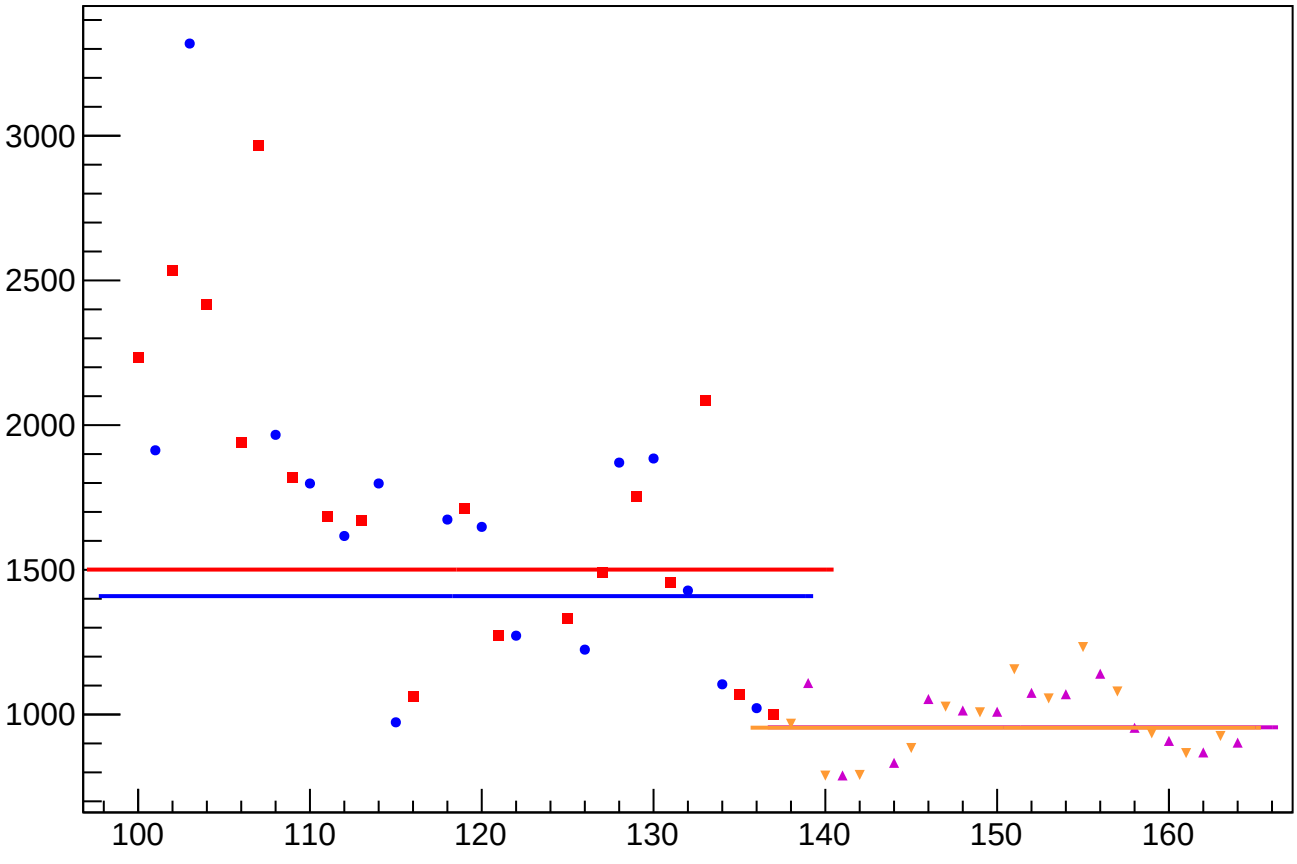
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -99.895+/-291.129 χ^2/NDF:11.4/12

+ sign -1174.600+/-263.022 χ^2/NDF: 53.7/28

All: -717.048+/-185.103 χ^2/NDF: 85.6/59

- sign -268.069+/-260.546 χ^2/NDF: 26.0/30



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 954.457+/-0.212 χ^2/NDF:325265.0/12

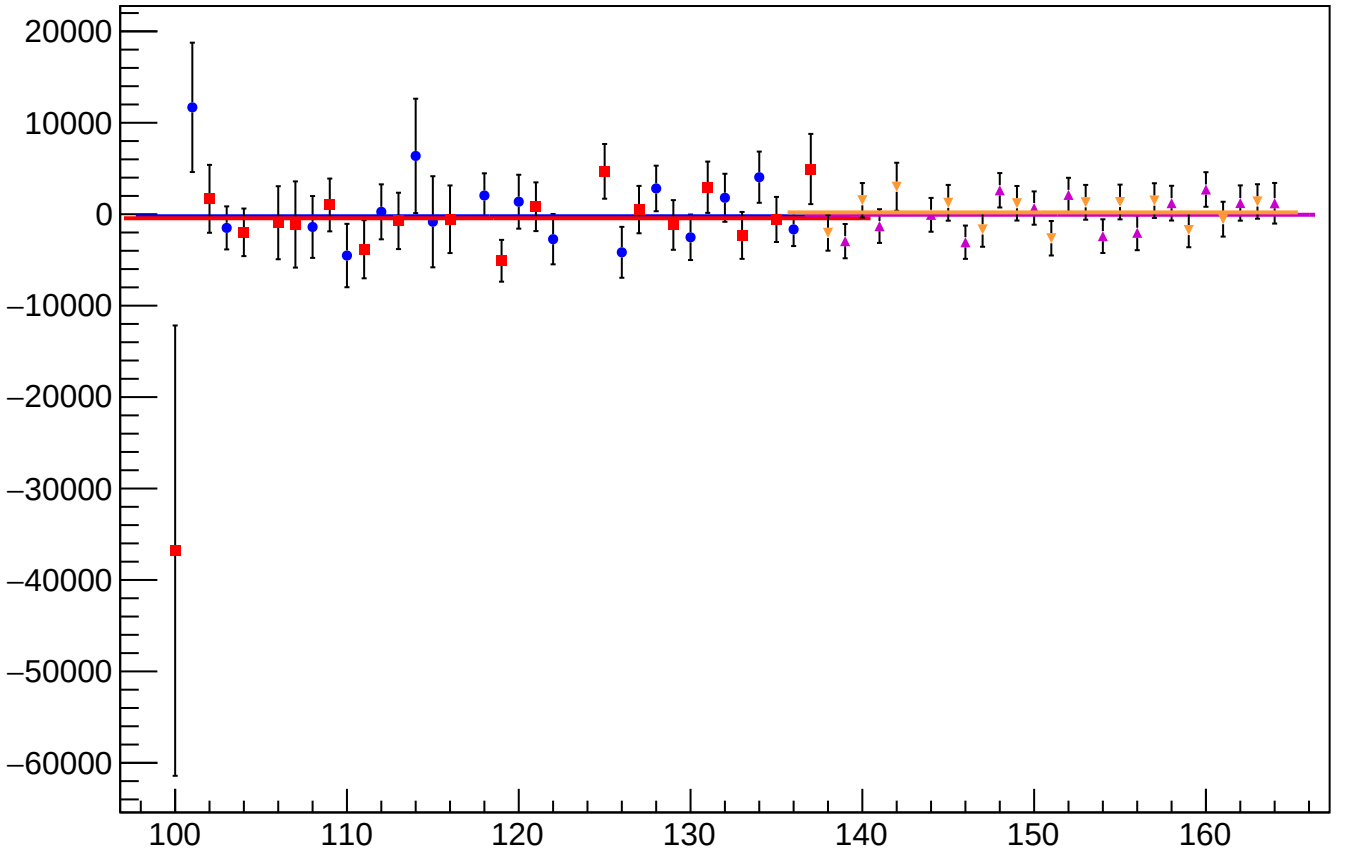
Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 955.764+/-0.206 χ^2/NDF:283577.8/12

+ sign 1058.510+/-0.186 χ^2/NDF: 2547588.5/28

All: 1061.413+/-0.131 χ^2/NDF: 5257829.0/59

- sign 1064.261+/-0.184 χ^2/NDF: 2709757.9/30



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

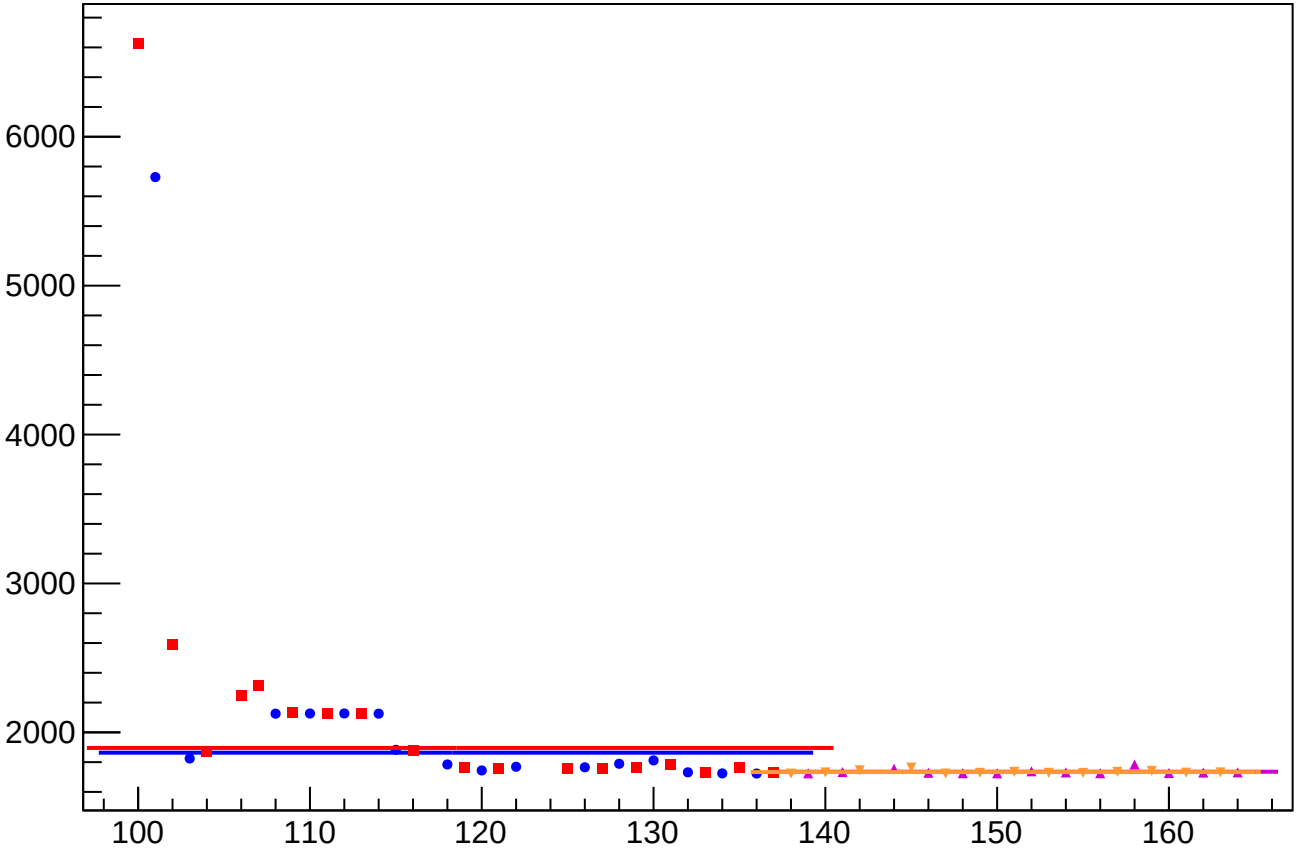
Left In: -59.672+/-524.026 χ^2/NDF:15.1/12

+ sign 44.173+/-428.344 χ^2/NDF: 25.5/28

All: -76.663+/-300.714 χ^2/NDF: 56.8/59

- 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: 1733.273+/-0.380 χ^2/NDF:713.2/12

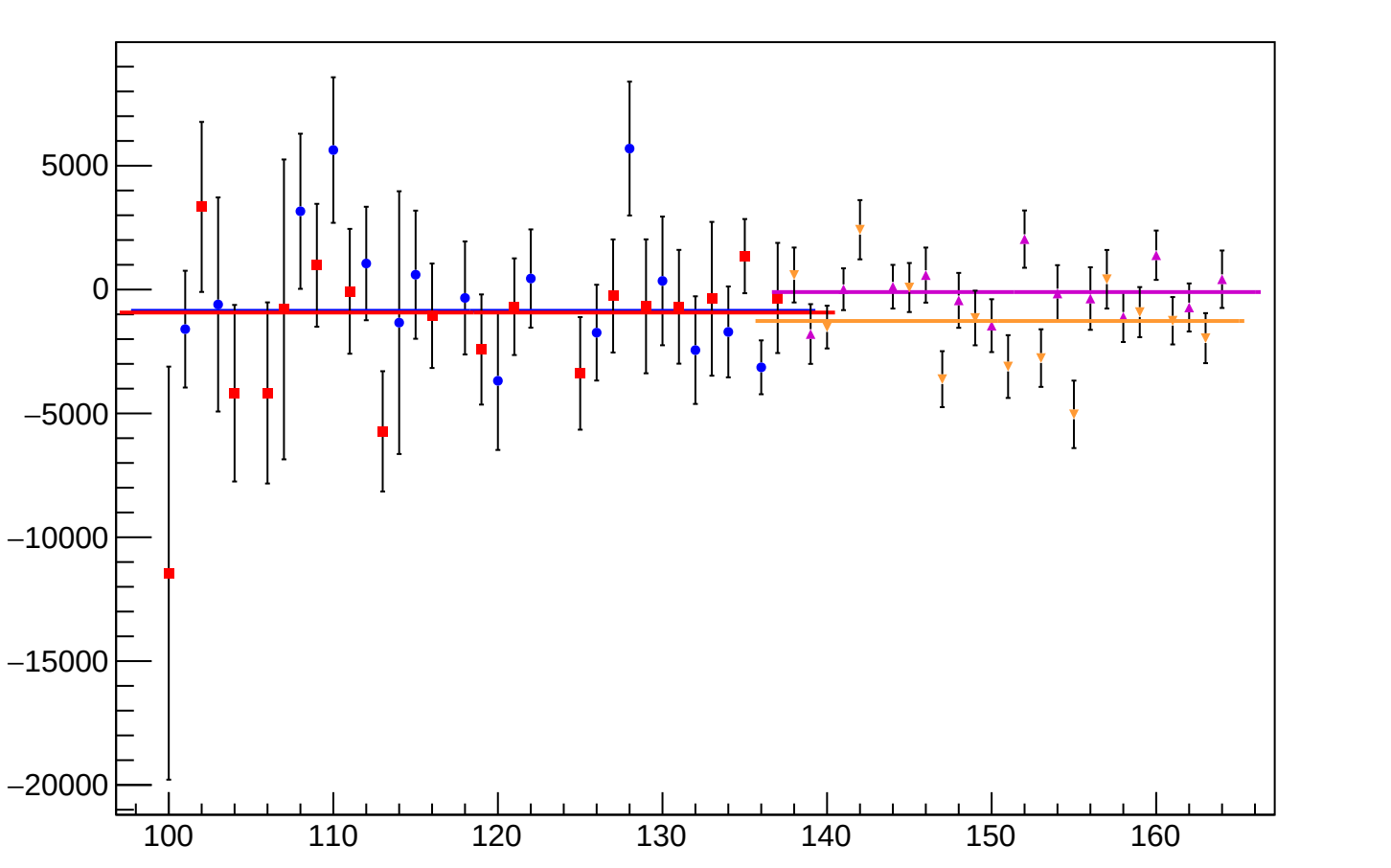
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.2/28

All: 1786.344+/-0.213 χ^2/NDF: 1045235.5/59

- 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: -1268.726+/-299.521 χ^2/NDF:32.6/12

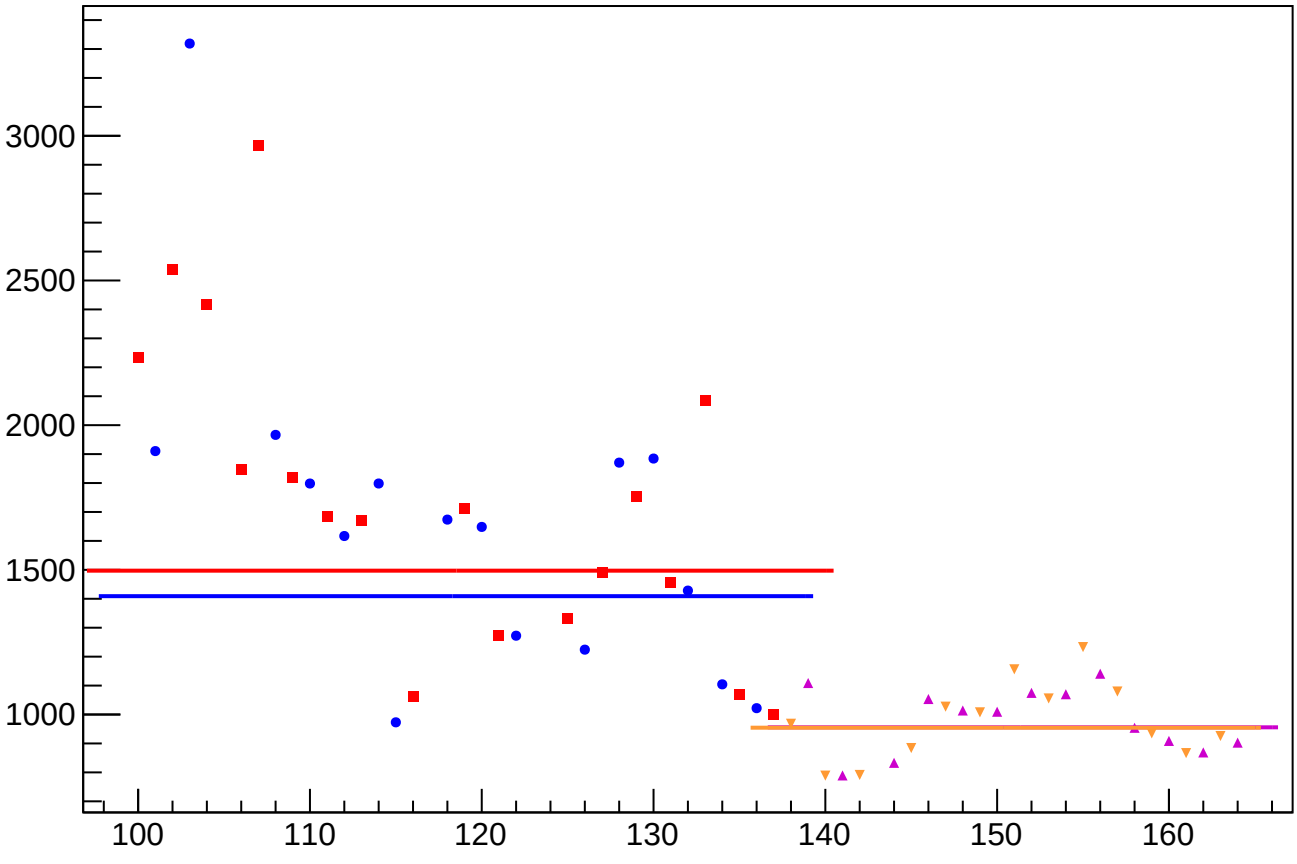
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -99.952+/-291.128 χ^2/NDF:11.4/12

+ sign -1174.738+/-263.017 χ^2/NDF: 53.7/28

All: -715.318+/-185.130 χ^2/NDF: 86.3/59

- 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: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

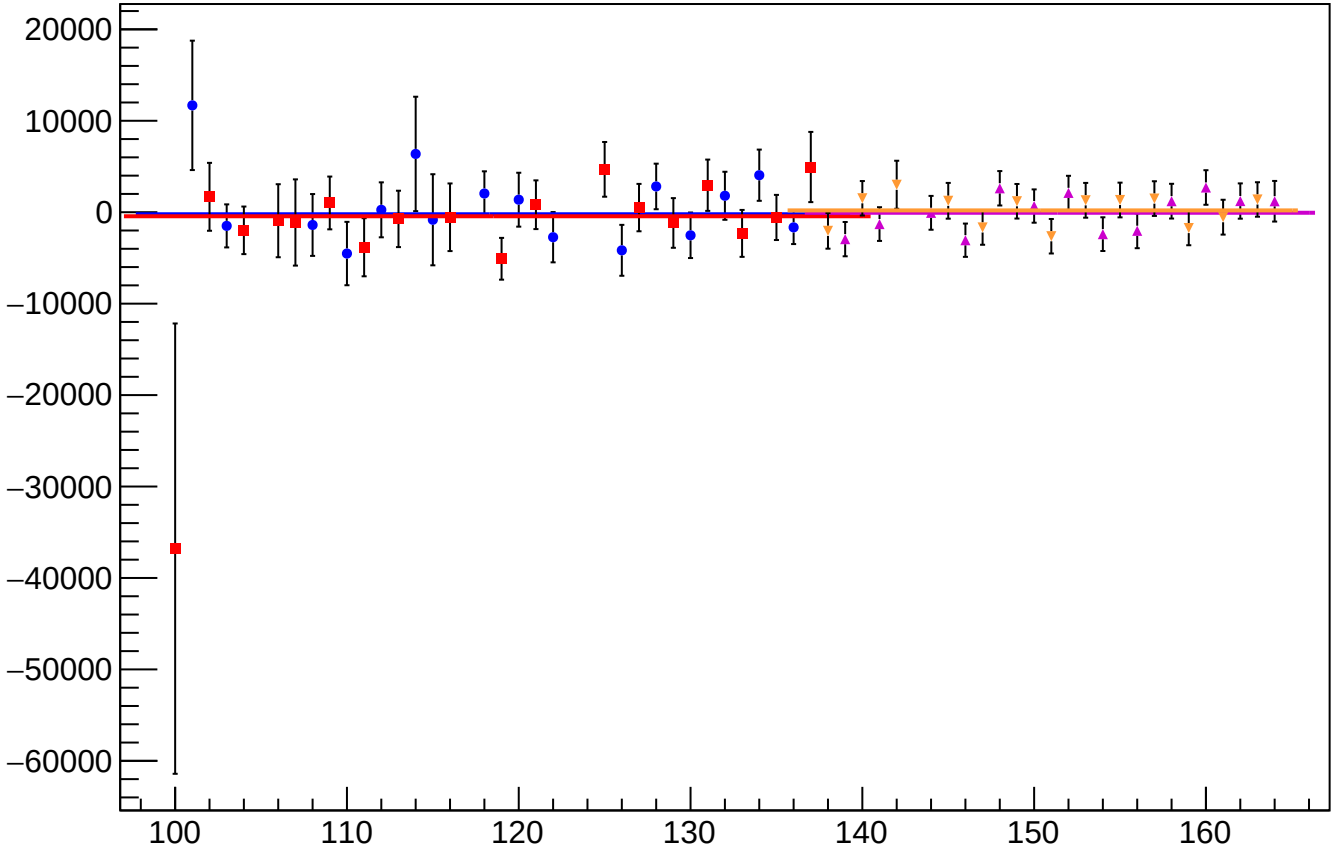
Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

+ sign 1058.504+/-0.186 χ^2/NDF: 2546693.7/28

All: 1060.903+/-0.131 χ^2/NDF: 5222069.1/59

- 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: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

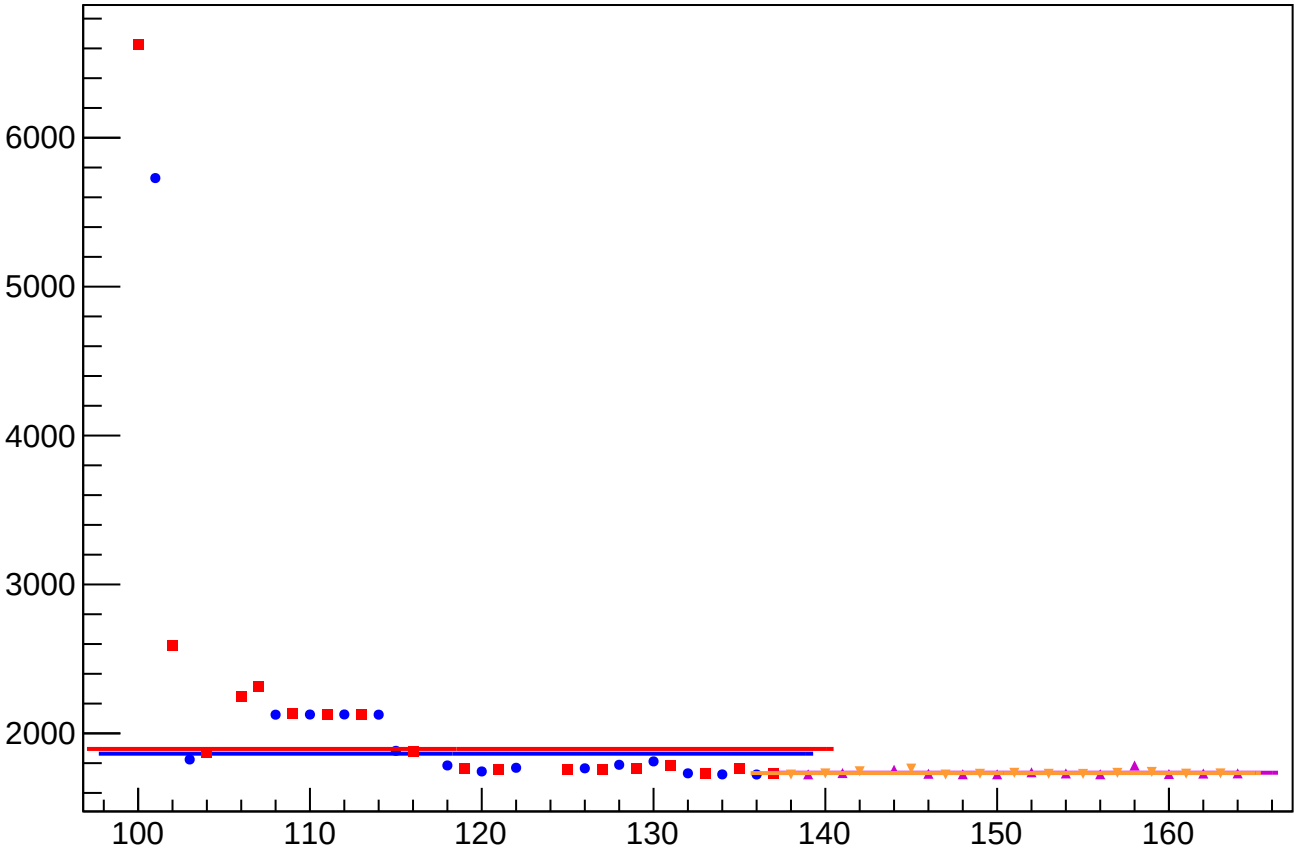
Left In: -59.672+/-524.026 χ^2/NDF:15.1/12

+ sign 44.173+/-428.344 χ^2/NDF: 25.5/28

All: -76.663+/-300.714 χ^2/NDF: 56.8/59

- 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: 1733.273+/-0.380 χ^2/NDF:713.2/12

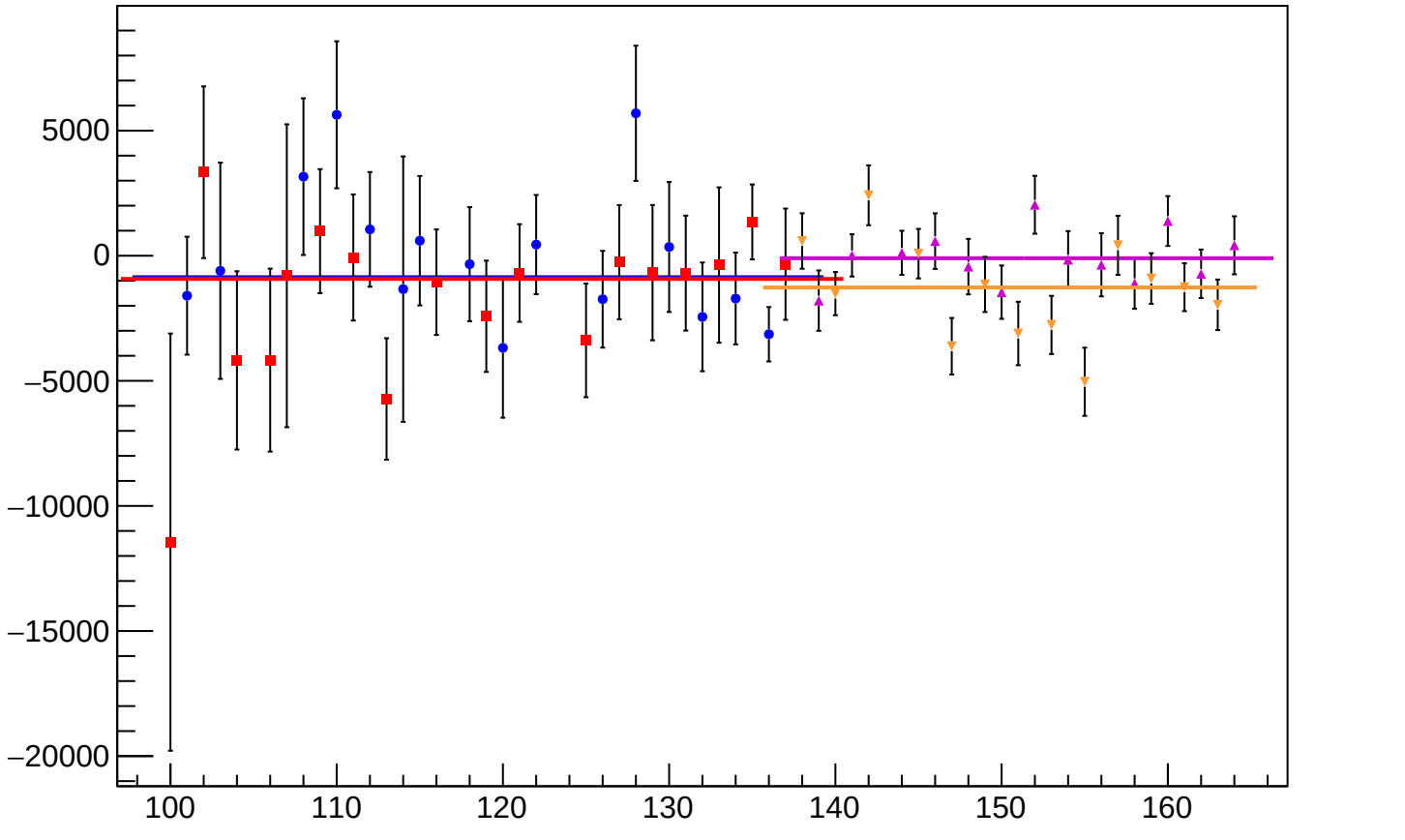
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.2/28

All: 1786.344+/-0.213 χ^2/NDF: 1045235.5/59

- 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: -1268.726+/-299.521 χ^2/NDF:32.6/12

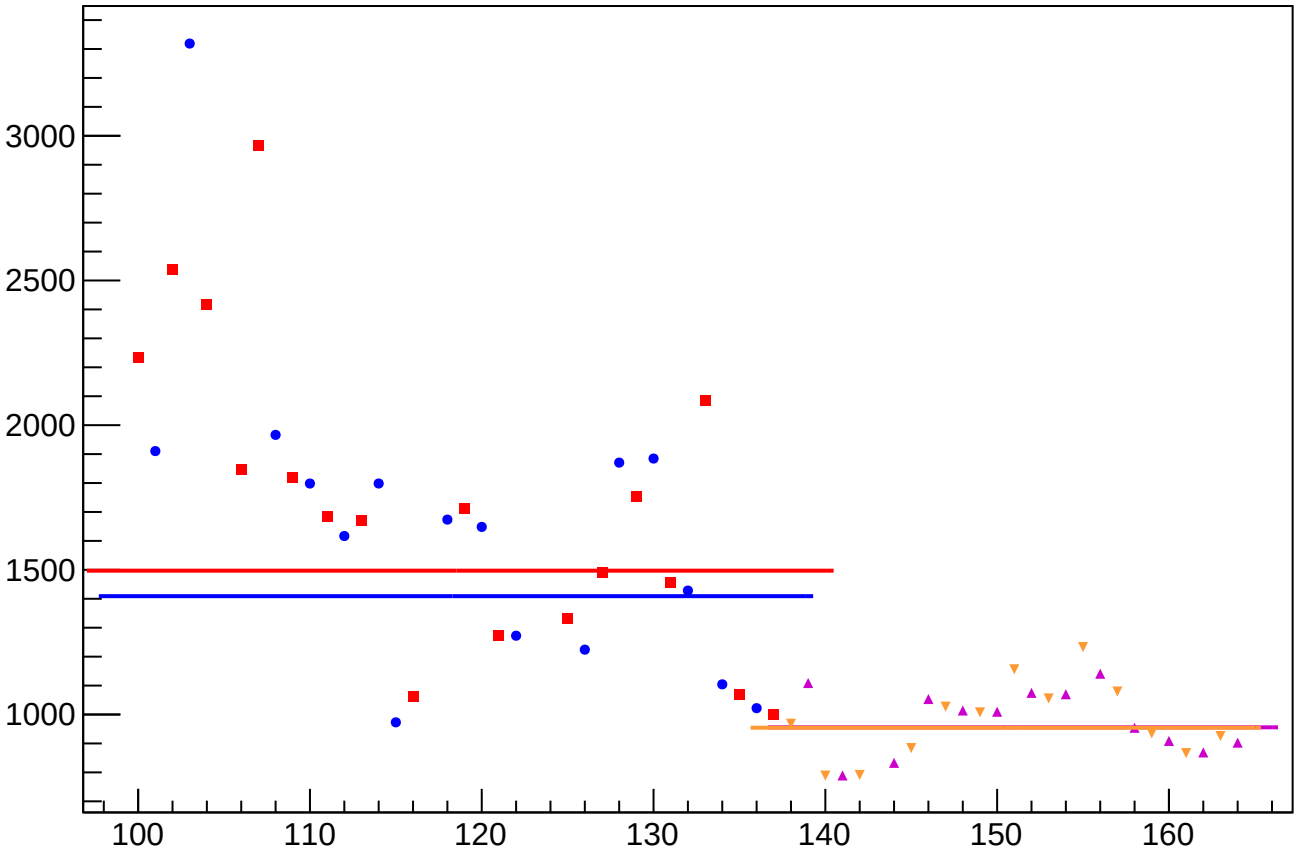
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -99.952+/-291.128 χ^2/NDF:11.4/12

+ sign -1174.738+/-263.017 χ^2/NDF: 53.7/28

All: -715.318+/-185.130 χ^2/NDF: 86.3/59

- 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: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

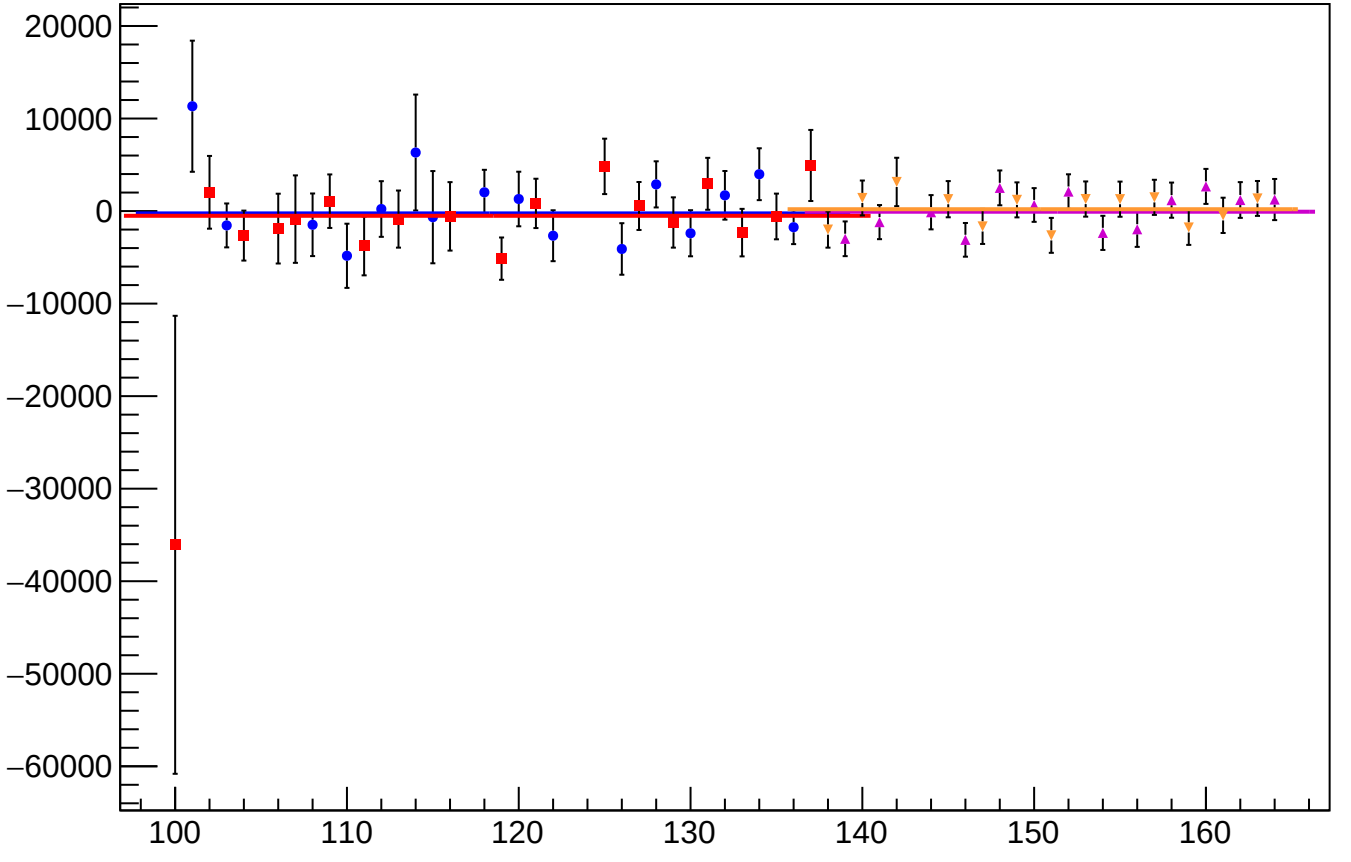
Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

+ sign 1058.504+/-0.186 χ^2/NDF: 2546693.7/28

All: 1060.903+/-0.131 χ^2/NDF: 5222069.1/59

- 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: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

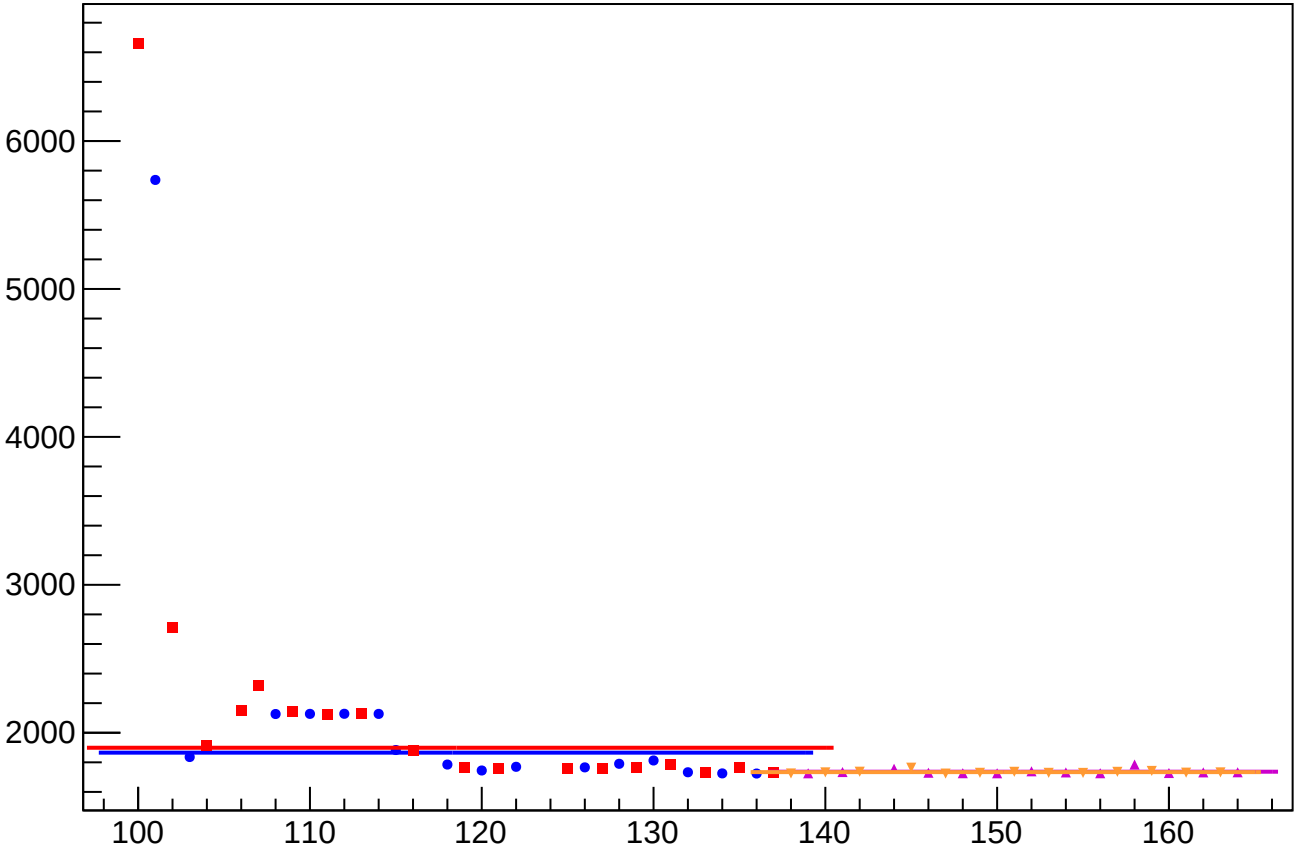
Left In: -70.993+/-524.306 χ^2/NDF:14.8/12

+ sign 34.439+/-428.624 χ^2/NDF: 25.4/28

All: -96.733+/-301.039 χ^2/NDF: 57.0/59

- 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: 1733.859+/-0.380 χ^2/NDF:662.0/12

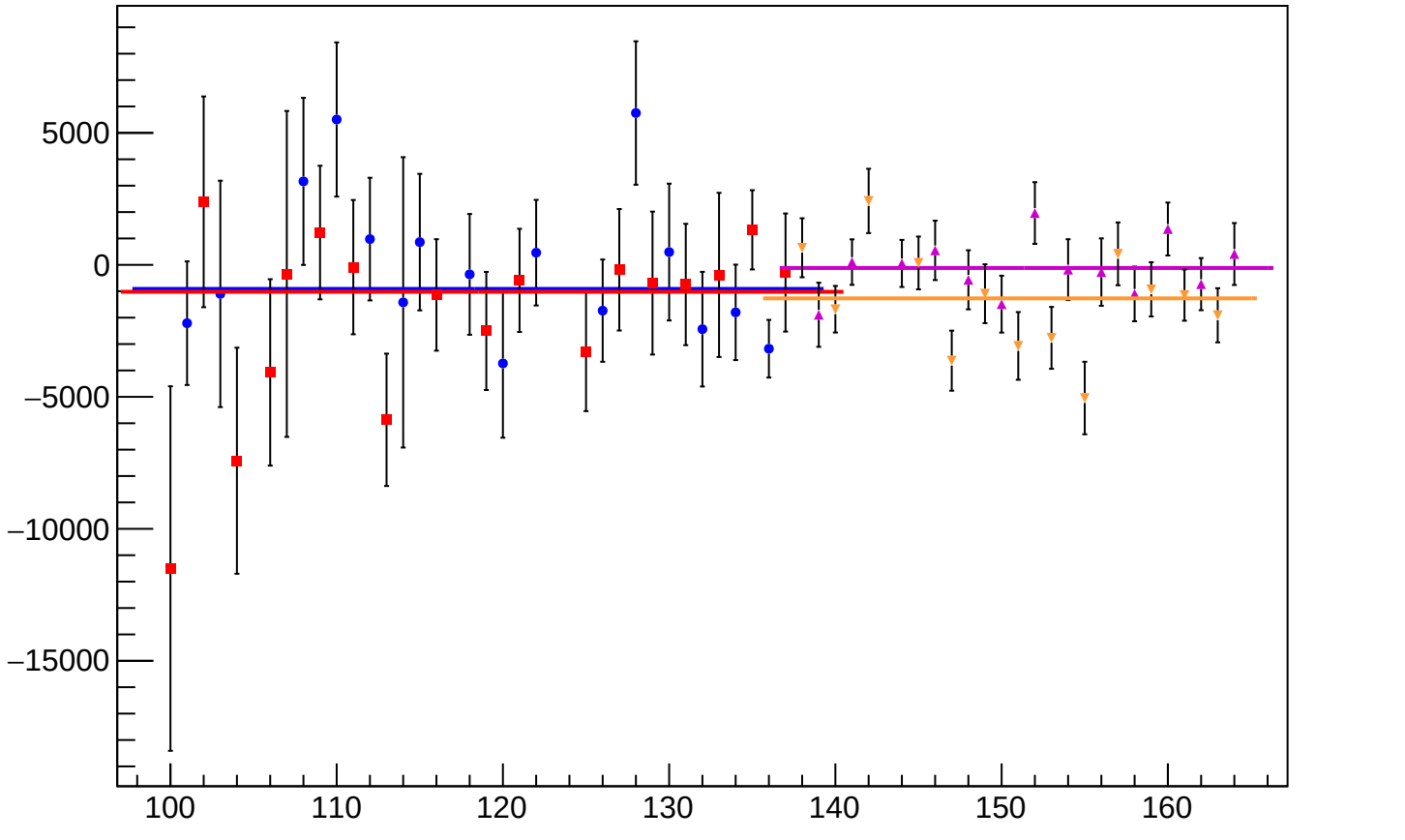
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

+ sign 1781.817+/-0.303 χ^2/NDF: 719309.6/28

All: 1787.588+/-0.213 χ^2/NDF: 1057747.6/59

- 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: -1268.722+/-303.269 χ^2/NDF:32.2/12

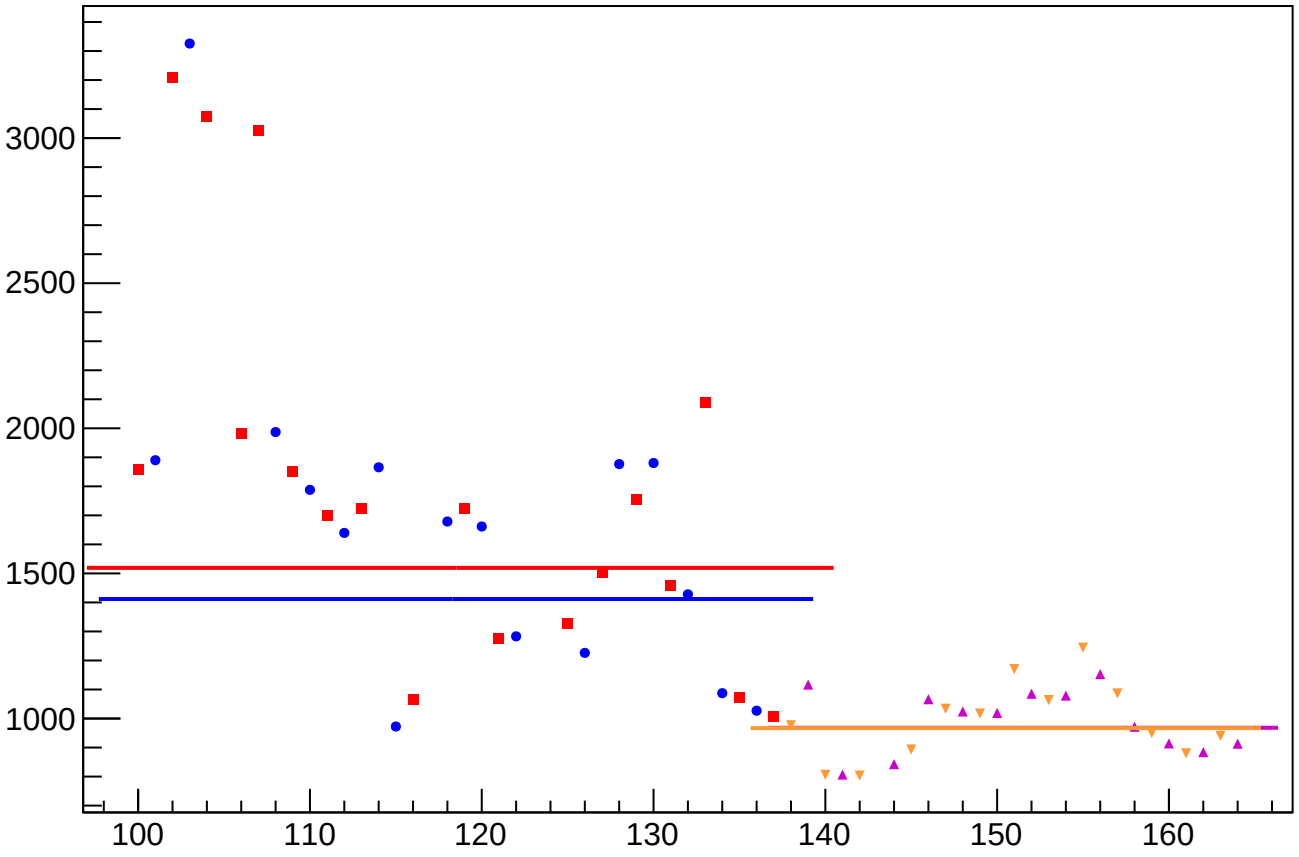
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -118.478+/-294.732 χ^2/NDF:11.2/12

+ sign -1185.502+/-265.666 χ^2/NDF: 53.5/28

All: -738.516+/-187.193 χ^2/NDF: 87.1/59

- sign -297.765+/-263.806 χ^2/NDF: 28.0/30



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 966.998+/-0.214 χ^2/NDF:308132.6/12

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

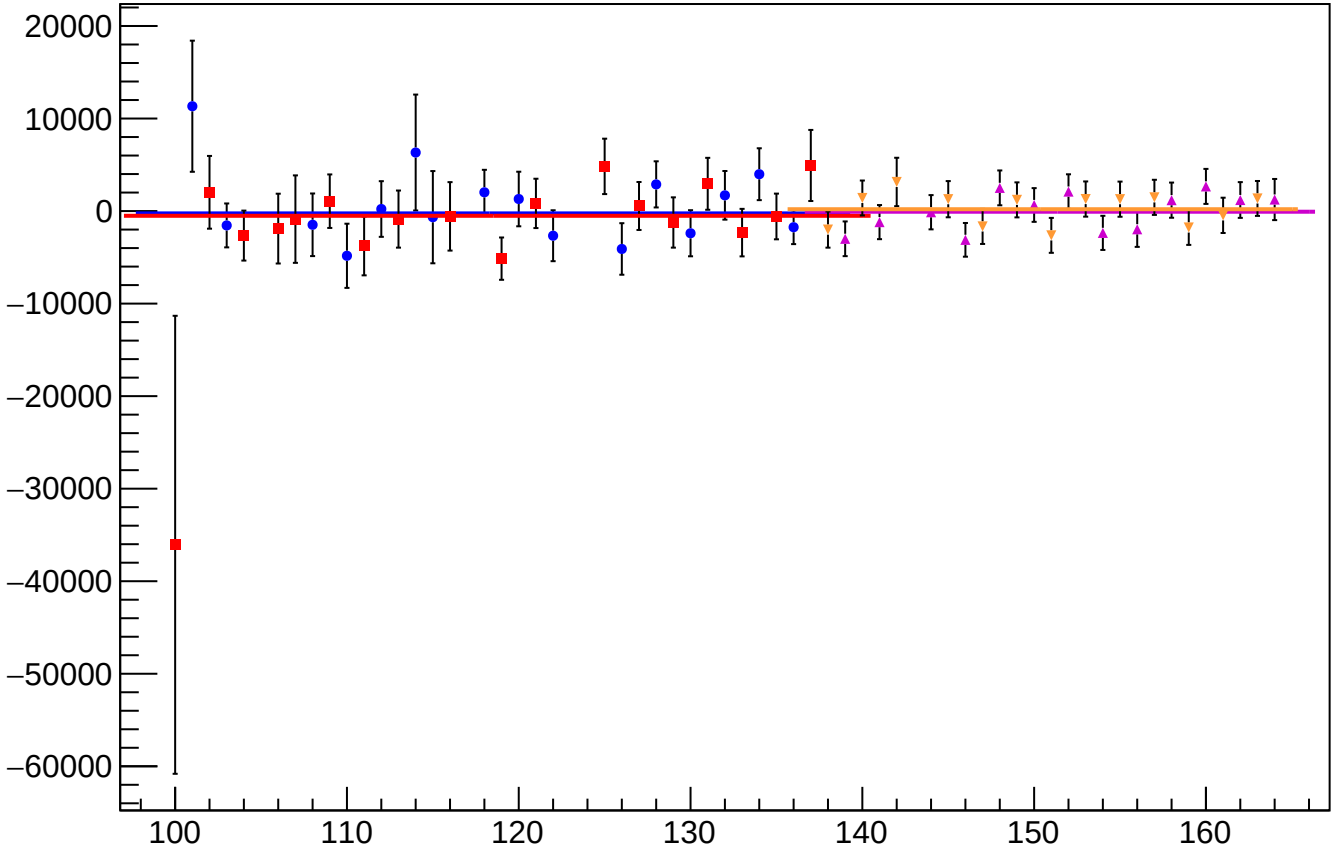
Left In: 968.122+/-0.208 χ^2/NDF:269573.3/12

+ sign 1070.451+/-0.188 χ^2/NDF: 2486415.6/28

All: 1074.112+/-0.132 χ^2/NDF: 5507744.2/59

- 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: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

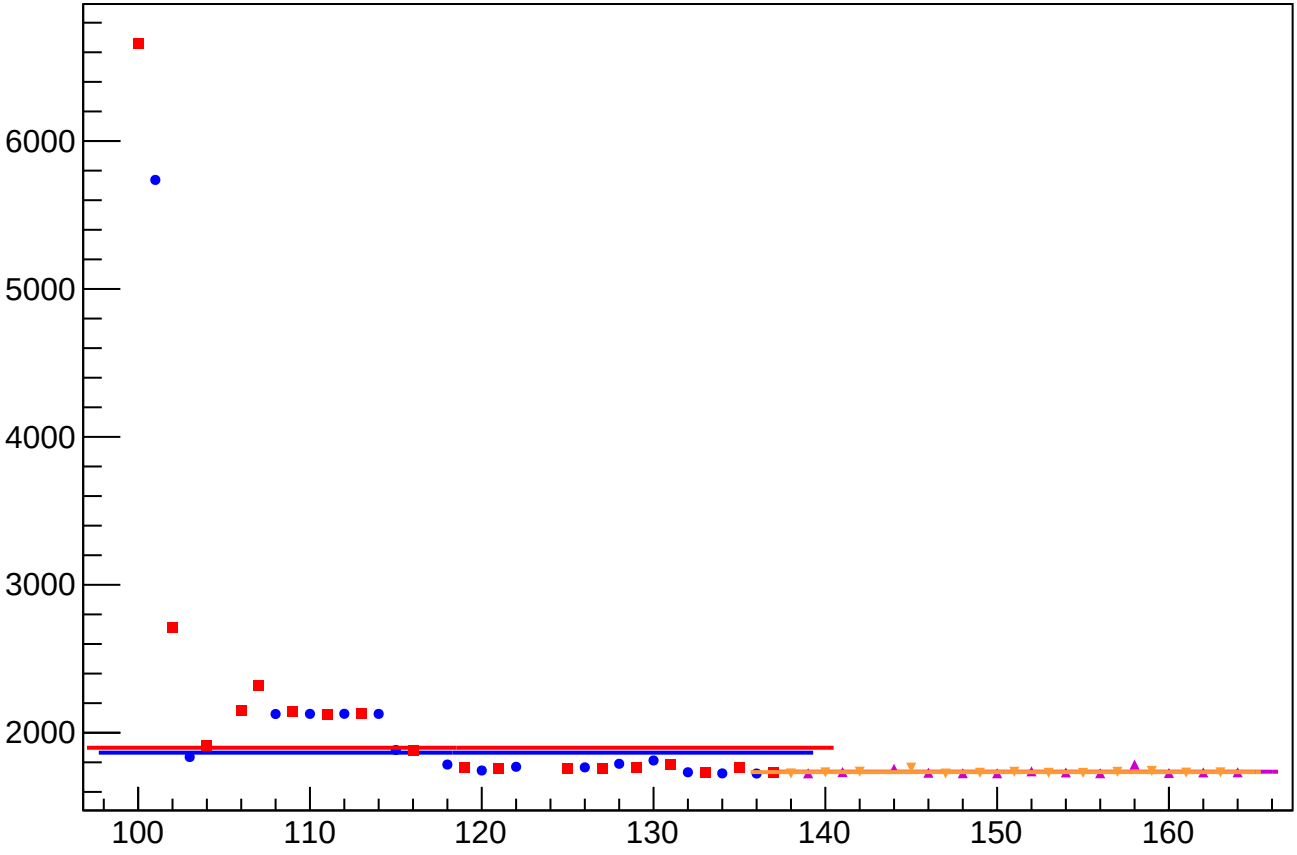
Left In: -70.993+/-524.306 χ^2/NDF:14.8/12

+ sign 34.439+/-428.624 χ^2/NDF: 25.4/28

All: -96.733+/-301.039 χ^2/NDF: 57.0/59

- 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: 1733.859+/-0.380 χ^2/NDF:662.0/12

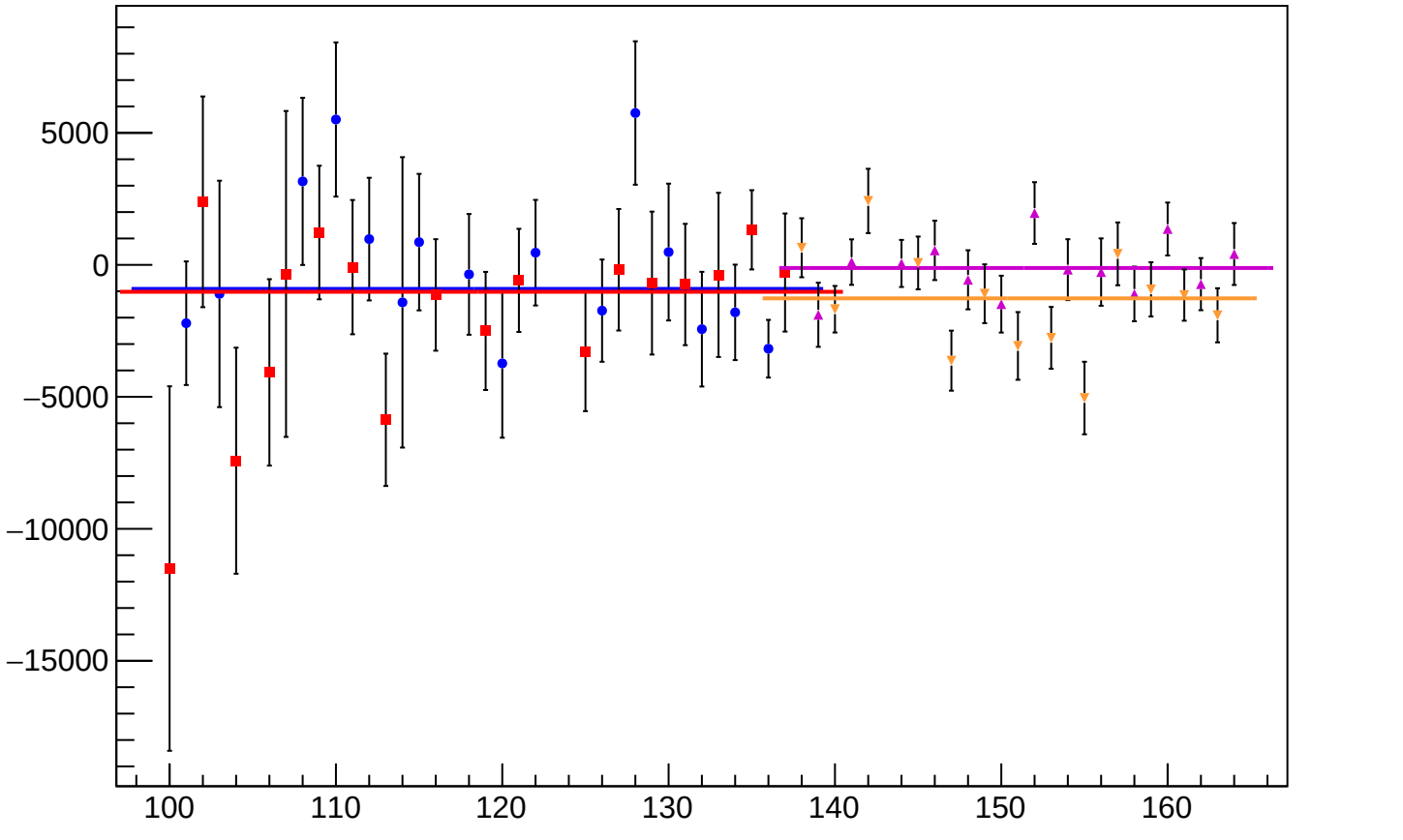
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

+ sign 1781.817+/-0.303 χ^2/NDF: 719309.6/28

All: 1787.588+/-0.213 χ^2/NDF: 1057747.3/59

- 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: -1268.719+/-303.269 χ^2/NDF:32.2/12

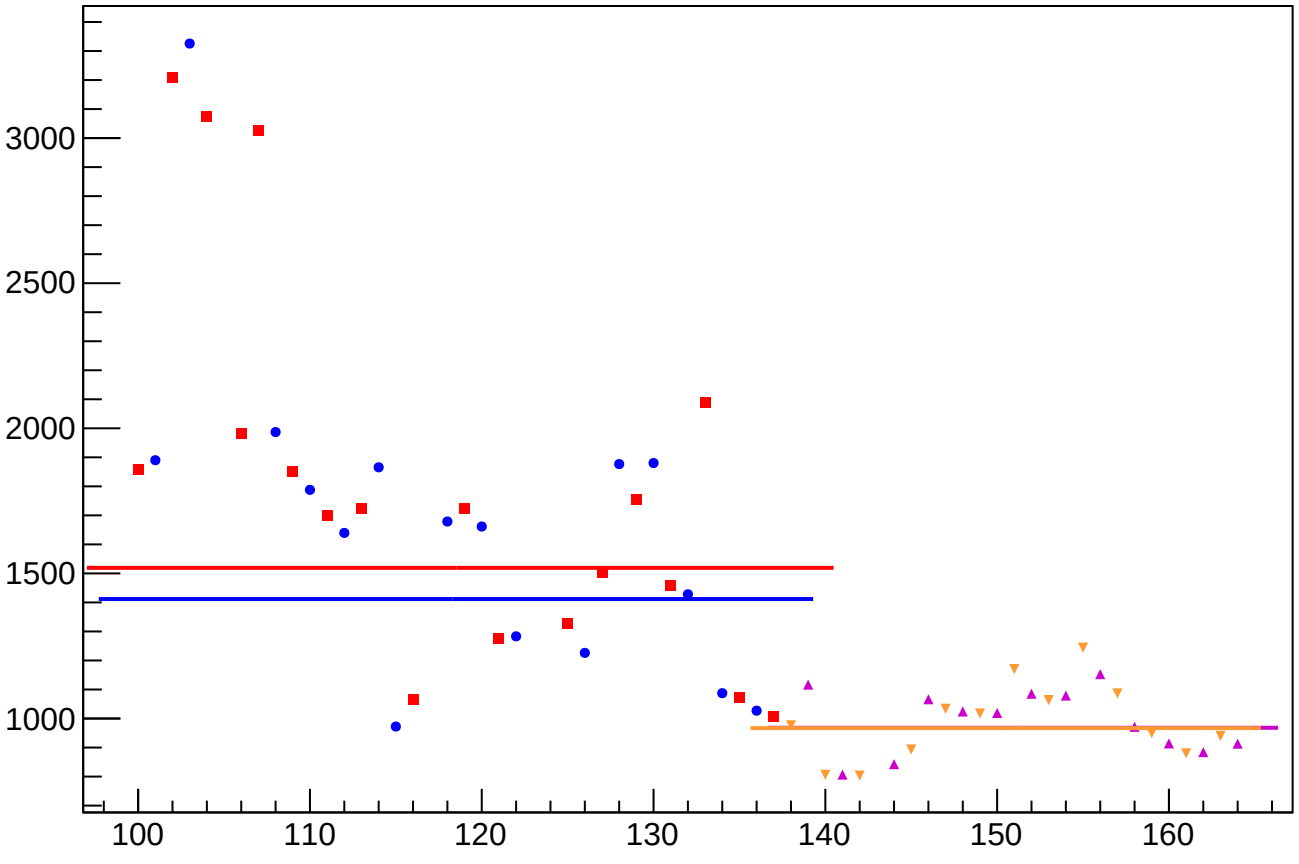
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -118.475+/-294.732 χ^2/NDF:11.2/12

+ sign -1185.498+/-265.666 χ^2/NDF: 53.5/28

All: -738.513+/-187.193 χ^2/NDF: 87.1/59

- 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: 966.998+/-0.214 χ^2/NDF:308141.7/12

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

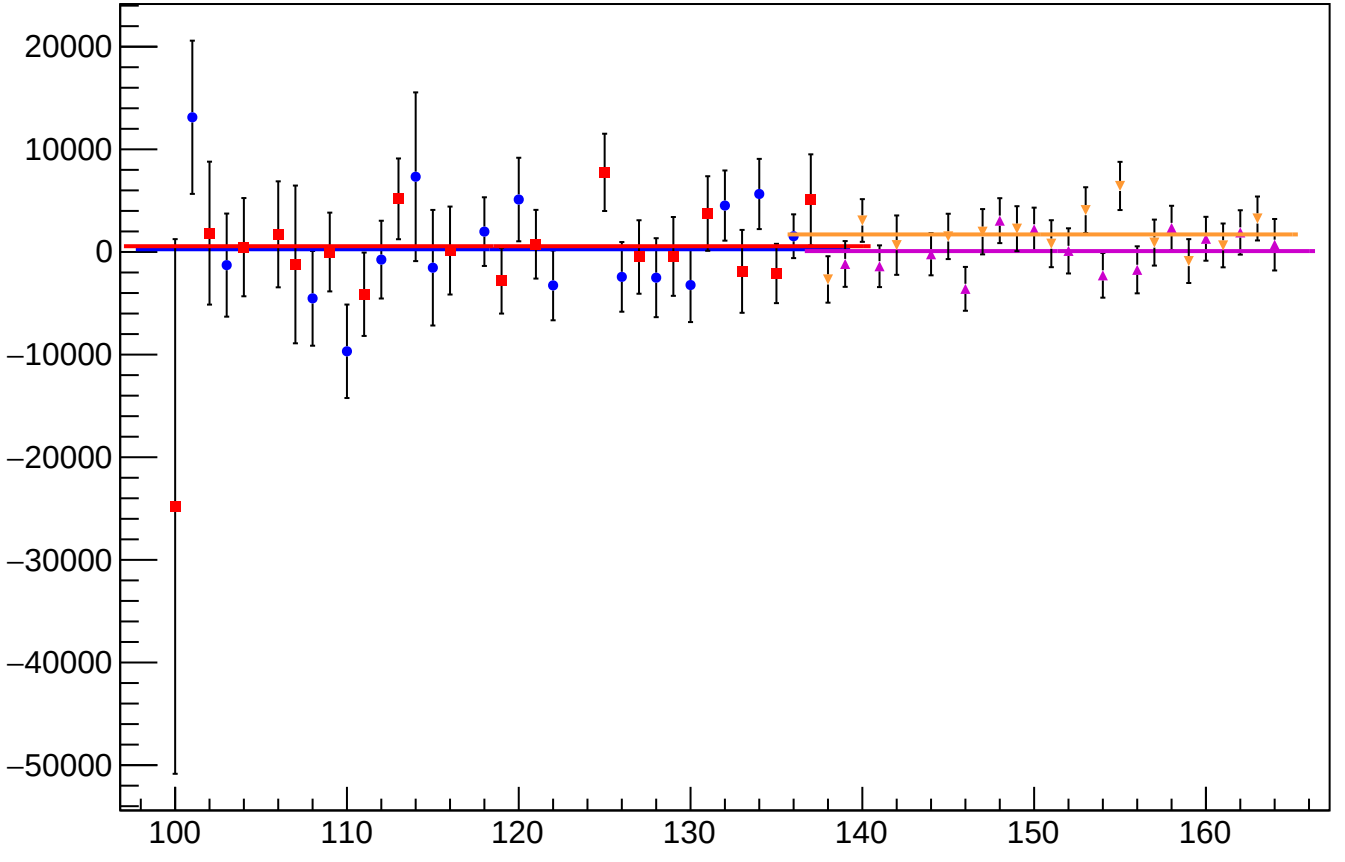
Left In: 968.122+/-0.208 χ^2/NDF:269581.3/12

+ sign 1070.450+/-0.188 χ^2/NDF: 2486415.9/28

All: 1074.112+/-0.132 χ^2/NDF: 5507747.3/59

- 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: 1709.146+/-620.904 χ^2/NDF:12.1/12

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

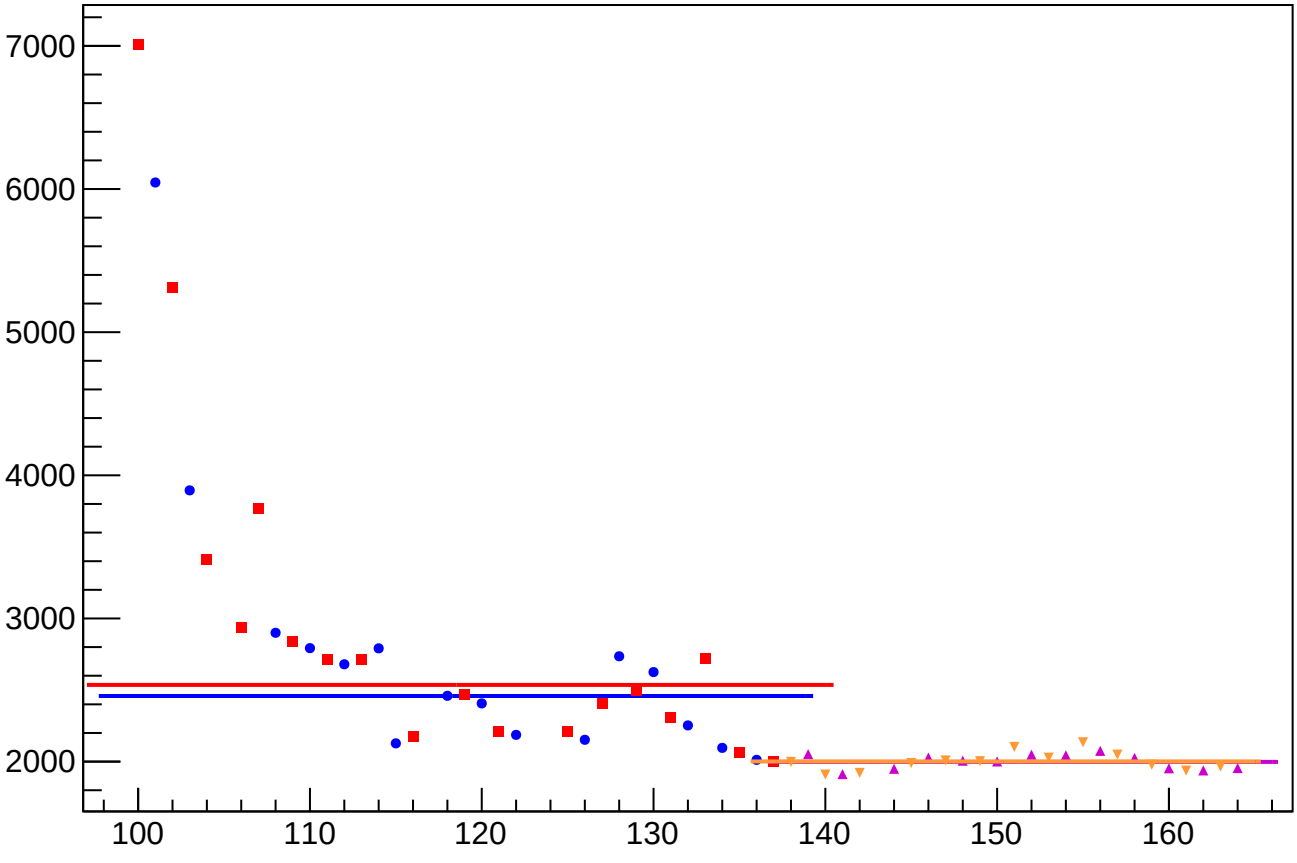
Left In: 86.116+/-603.452 χ^2/NDF:10.7/12

+ sign 1271.554+/-518.415 χ^2/NDF: 32.8/28

All: 738.560+/-364.048 χ^2/NDF: 57.5/59

- 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: 2000.968+/-0.439 χ^2/NDF:19665.8/12

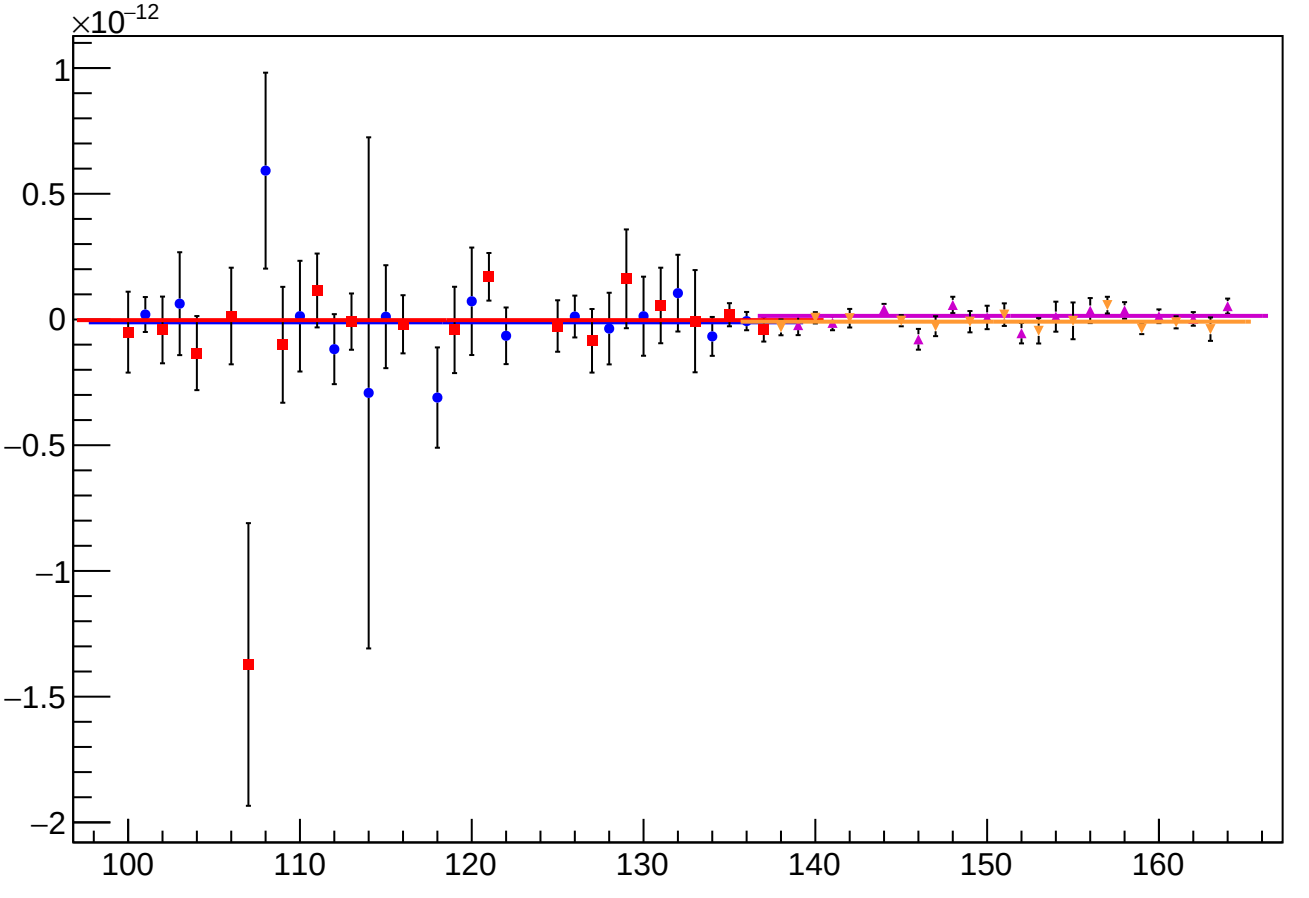
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.921+/-0.427 χ^2/NDF:13777.4/12

+ sign 2139.495+/-0.367 χ^2/NDF: 1181237.6/28

All: 2144.611+/-0.257 χ^2/NDF: 2316766.5/59

- 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:8.2/12

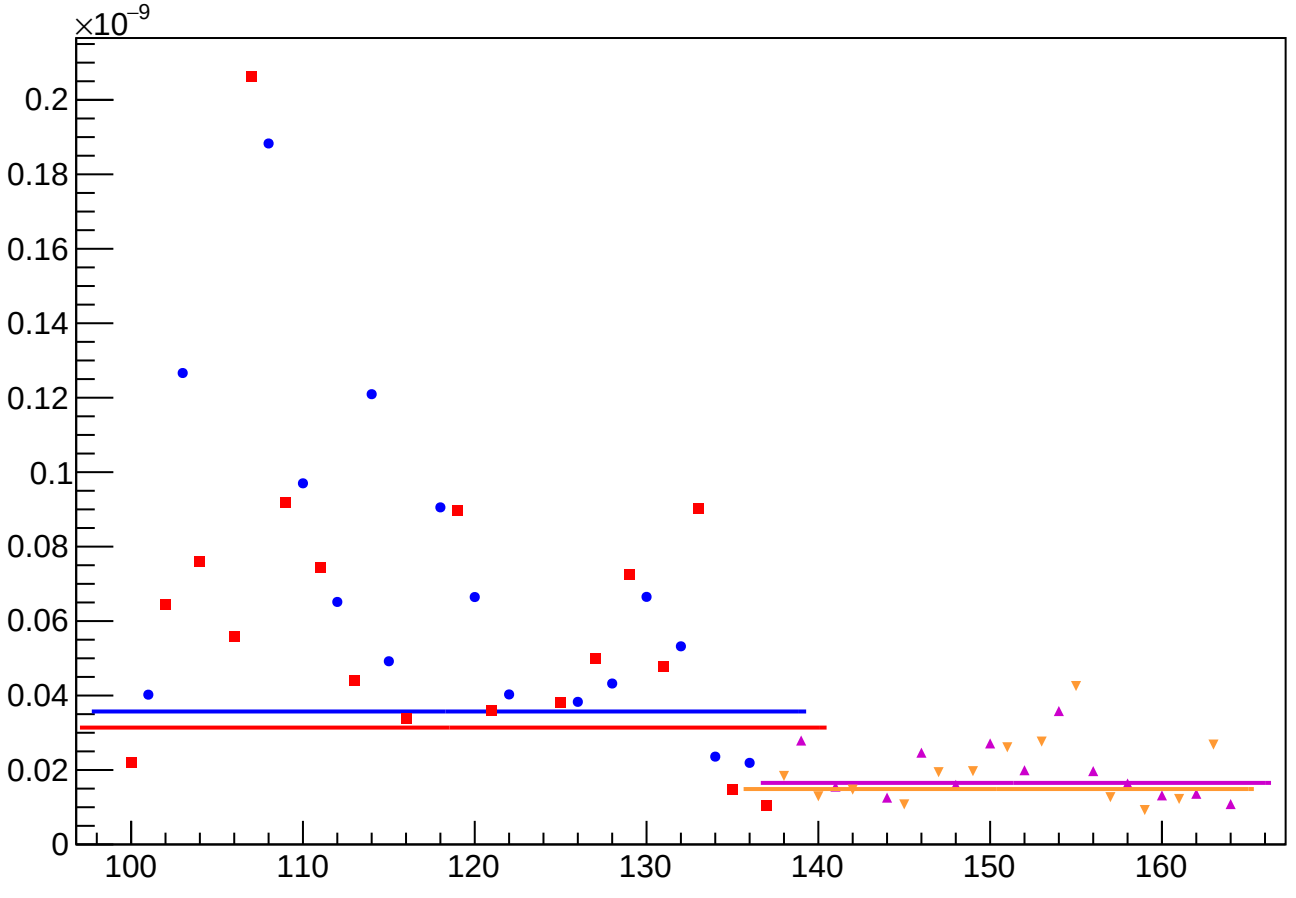
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/28

All: 0.000+/-0.000 χ^2/NDF: 47.9/59

- 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:993781.5/12

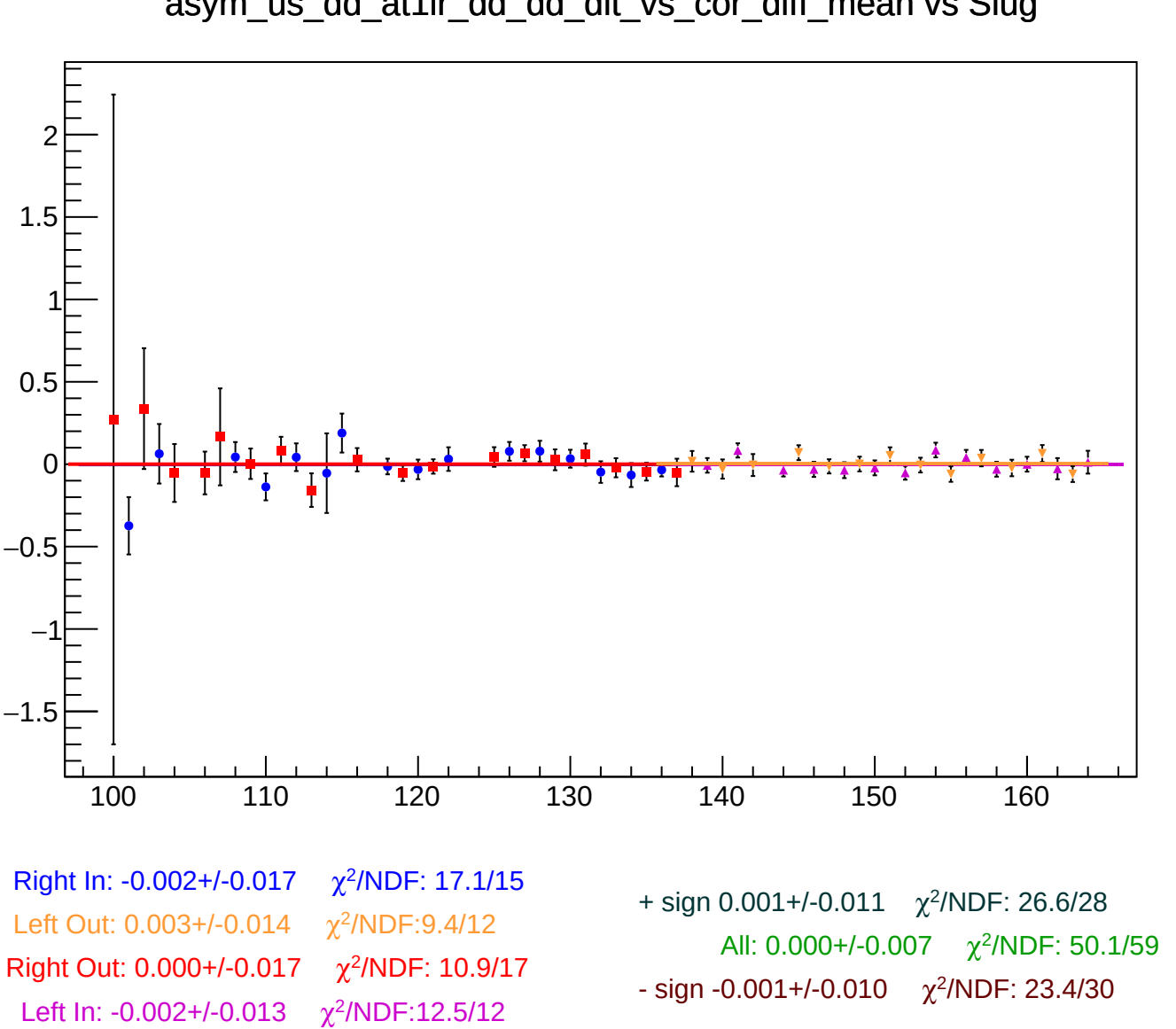
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:773125.8/12

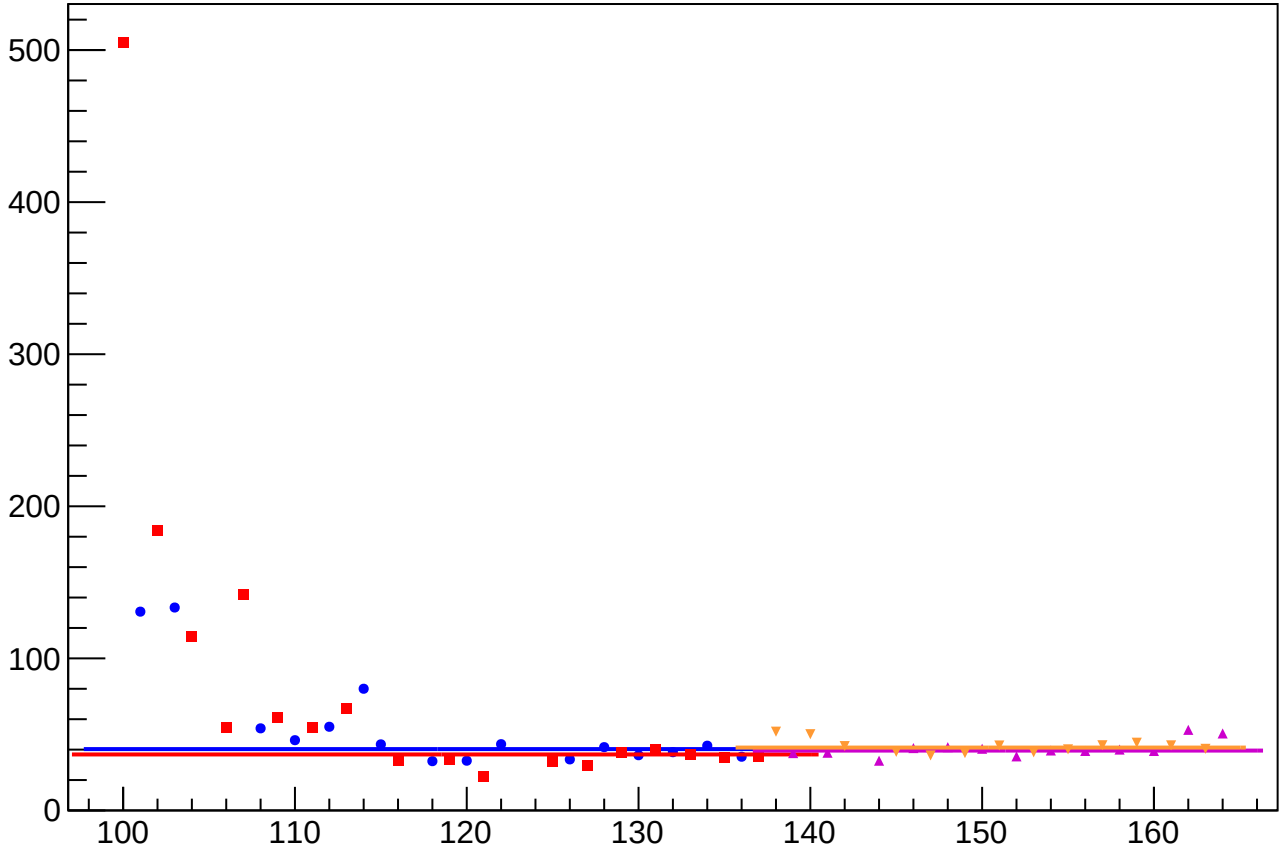
+ sign 0.000+/-0.000 χ^2/NDF: 3893679.2/28

All: 0.000+/-0.000 χ^2/NDF: 7405637.6/59

- sign 0.000+/-0.000 χ^2/NDF: 3493527.4/30


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.003+/-0.014 χ²/NDF:9.4/12
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.002+/-0.013 χ²/NDF:12.5/12
+ sign 0.001+/-0.011 χ²/NDF: 26.6/28
All: 0.000+/-0.007 χ²/NDF: 50.1/59
- sign -0.001+/-0.010 χ²/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: 41.349+/-0.010 χ^2/NDF:175265.6/12

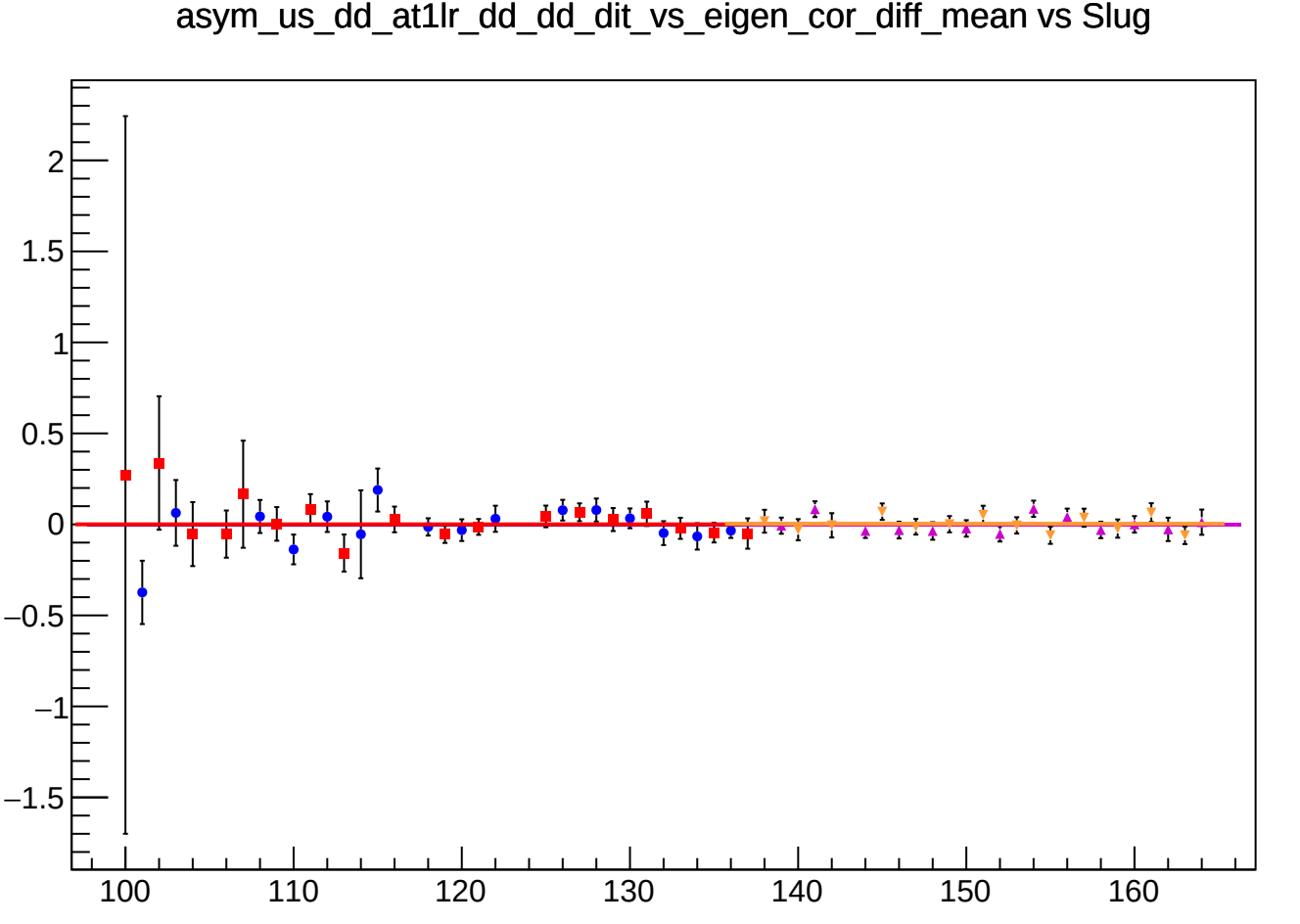
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

+ sign 40.956+/-0.008 χ^2/NDF: 1589531.2/28

All: 39.623+/-0.005 χ^2/NDF: 3745925.4/59

- 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: 0.003+/-0.014 χ^2/NDF:9.4/12

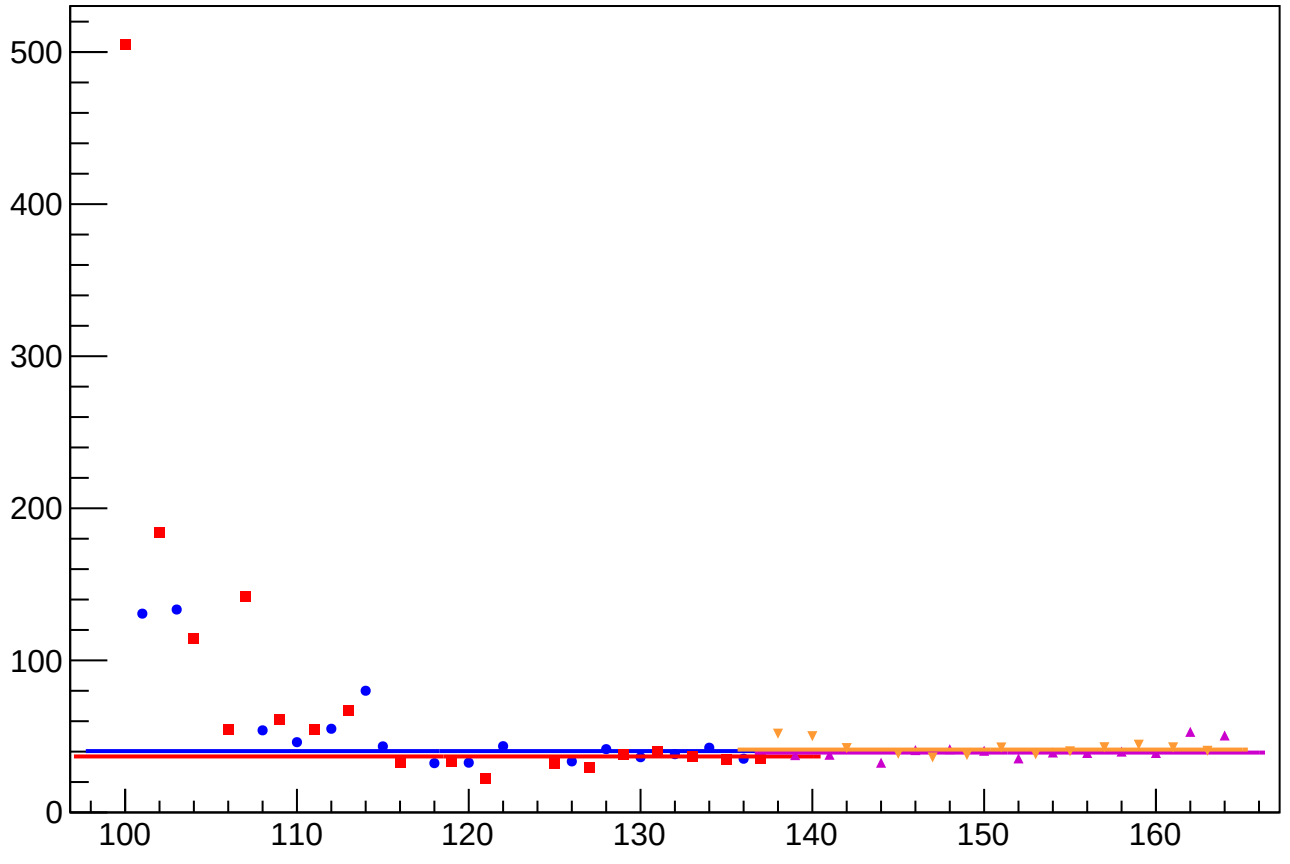
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/59

- 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: 41.349+/-0.010 χ^2/NDF:175265.6/12

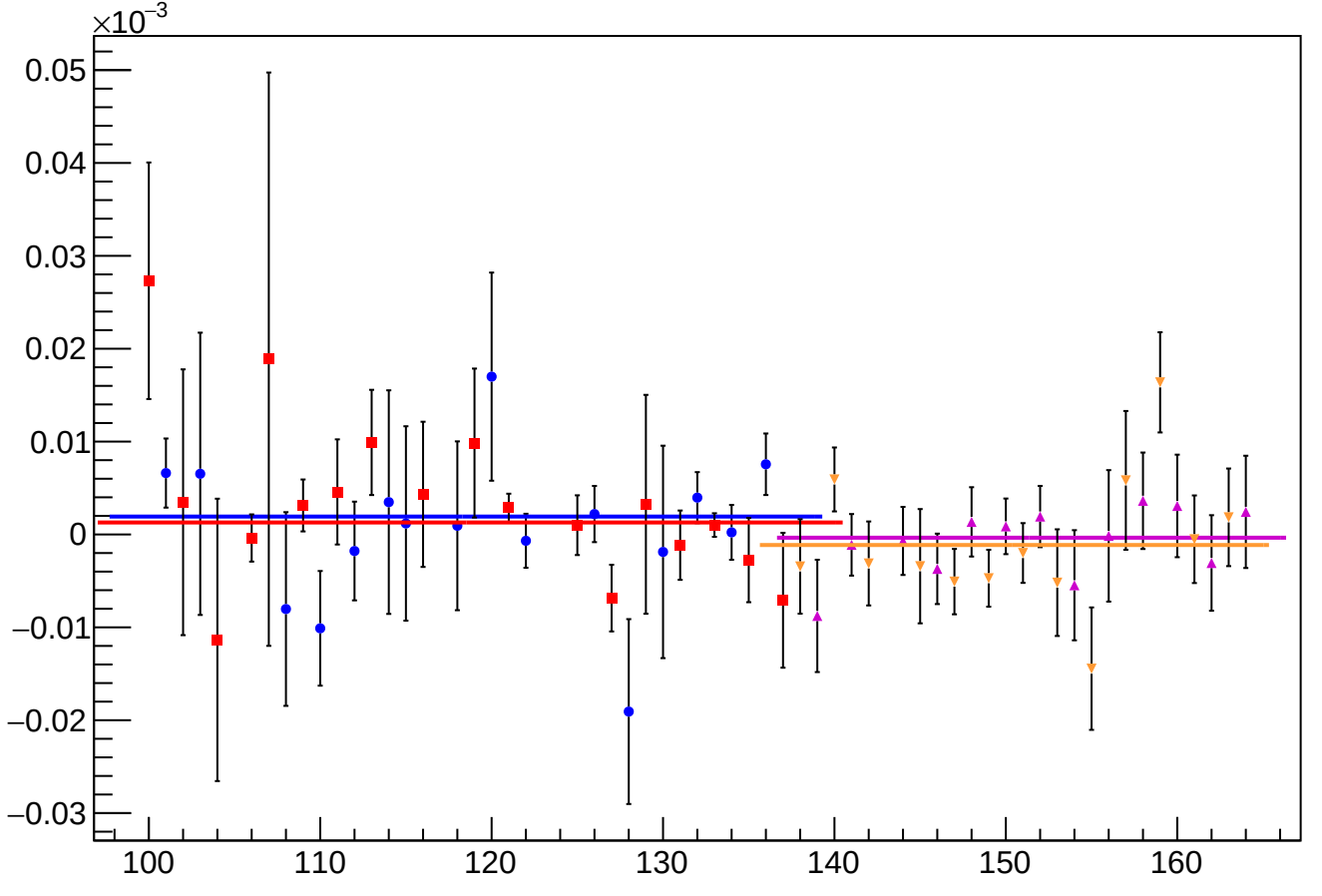
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

\+ sign 40.956+/-0.008 χ^2/NDF: 1589531.2/28

All: 39.623+/-0.005 χ^2/NDF: 3745925.4/59

\- 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:23.8/12

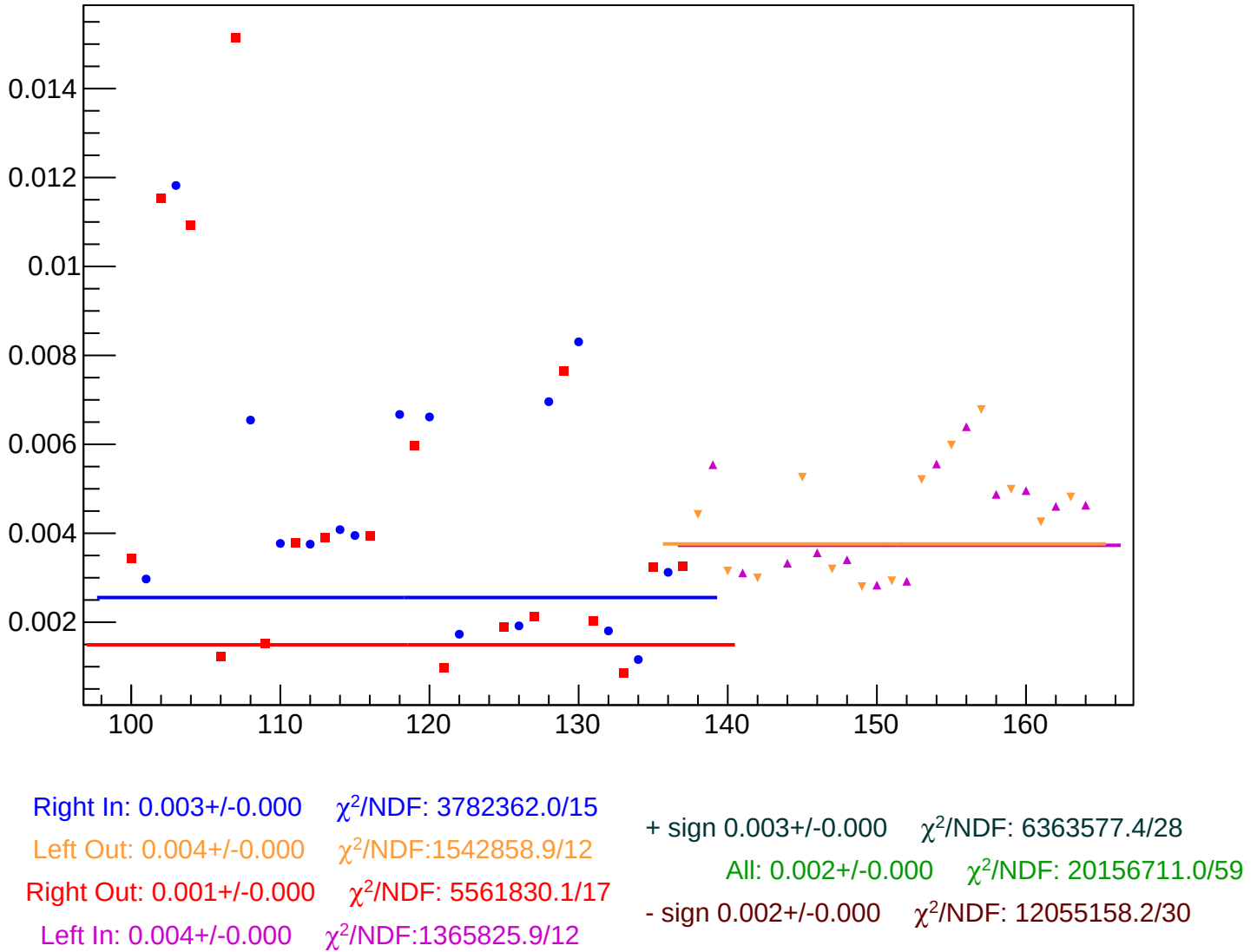
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

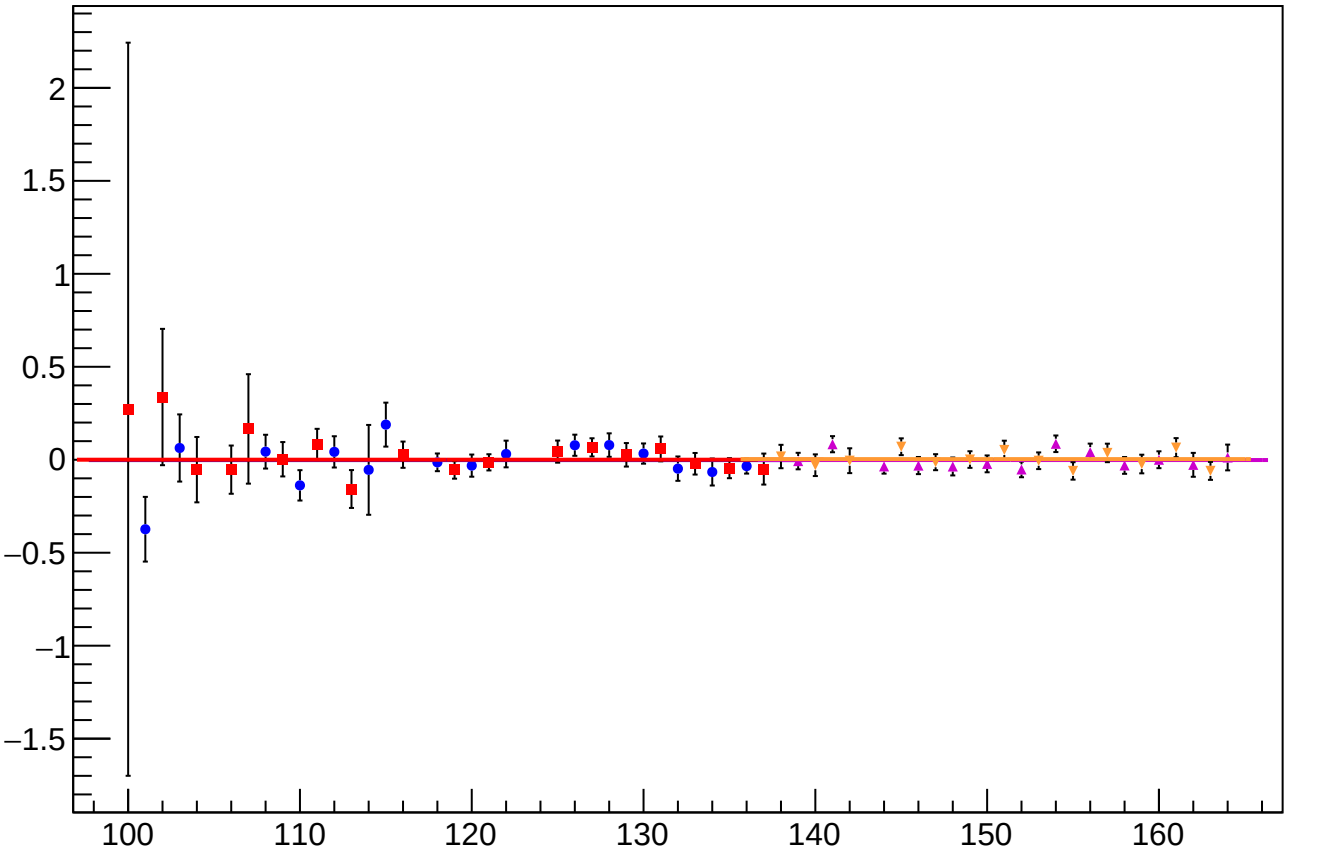
Left In: -0.000+/-0.000 χ^2/NDF:5.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/28

All: 0.000+/-0.000 χ^2/NDF: 71.2/59

- 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:1542858.9/12
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: 6363577.4/28
All: 0.002+/-0.000 χ²/NDF: 20156711.0/59
- sign 0.002+/-0.000 χ²/NDF: 12055158.2/30



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.003+/-0.014 χ^2/NDF:9.4/12

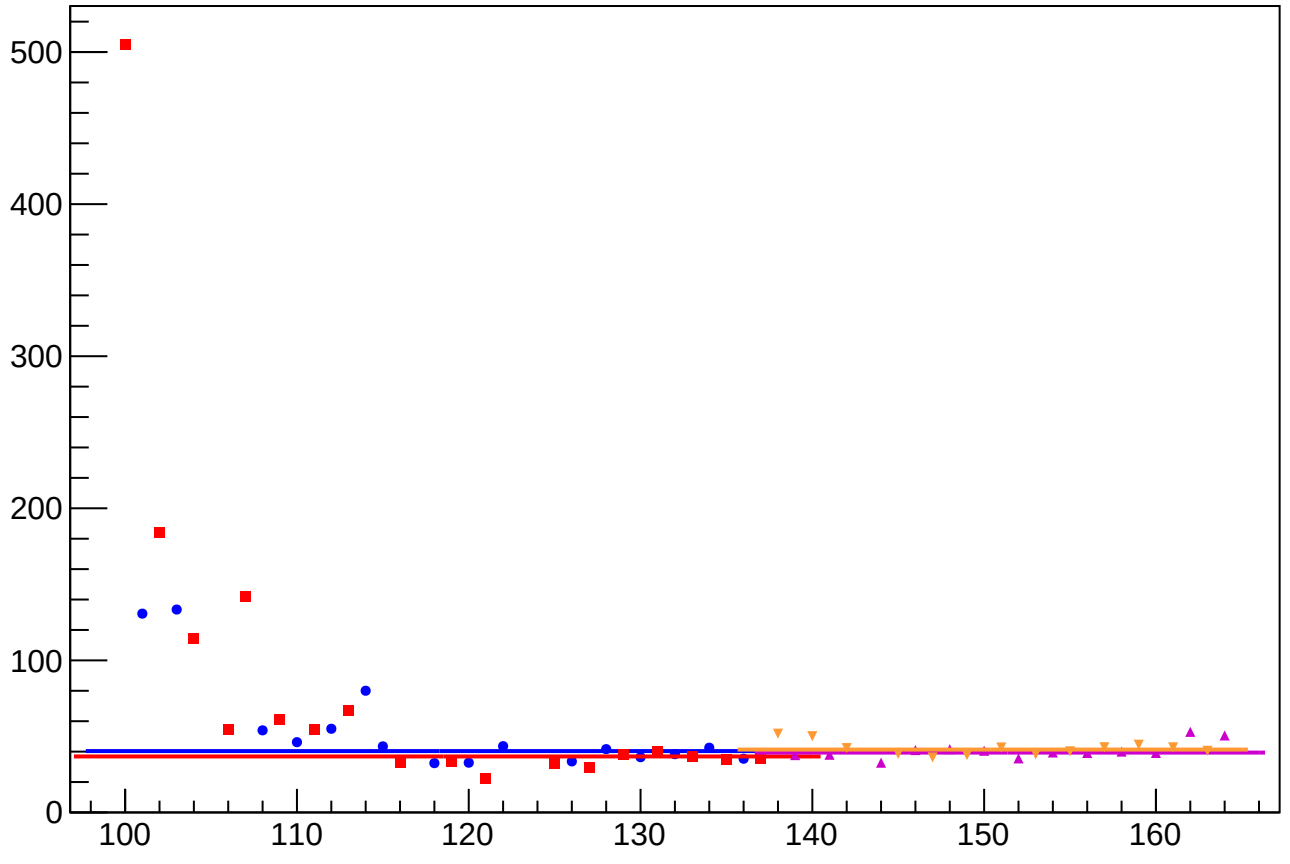
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/59

- 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: 41.349+/-0.010 χ^2/NDF:175269.2/12

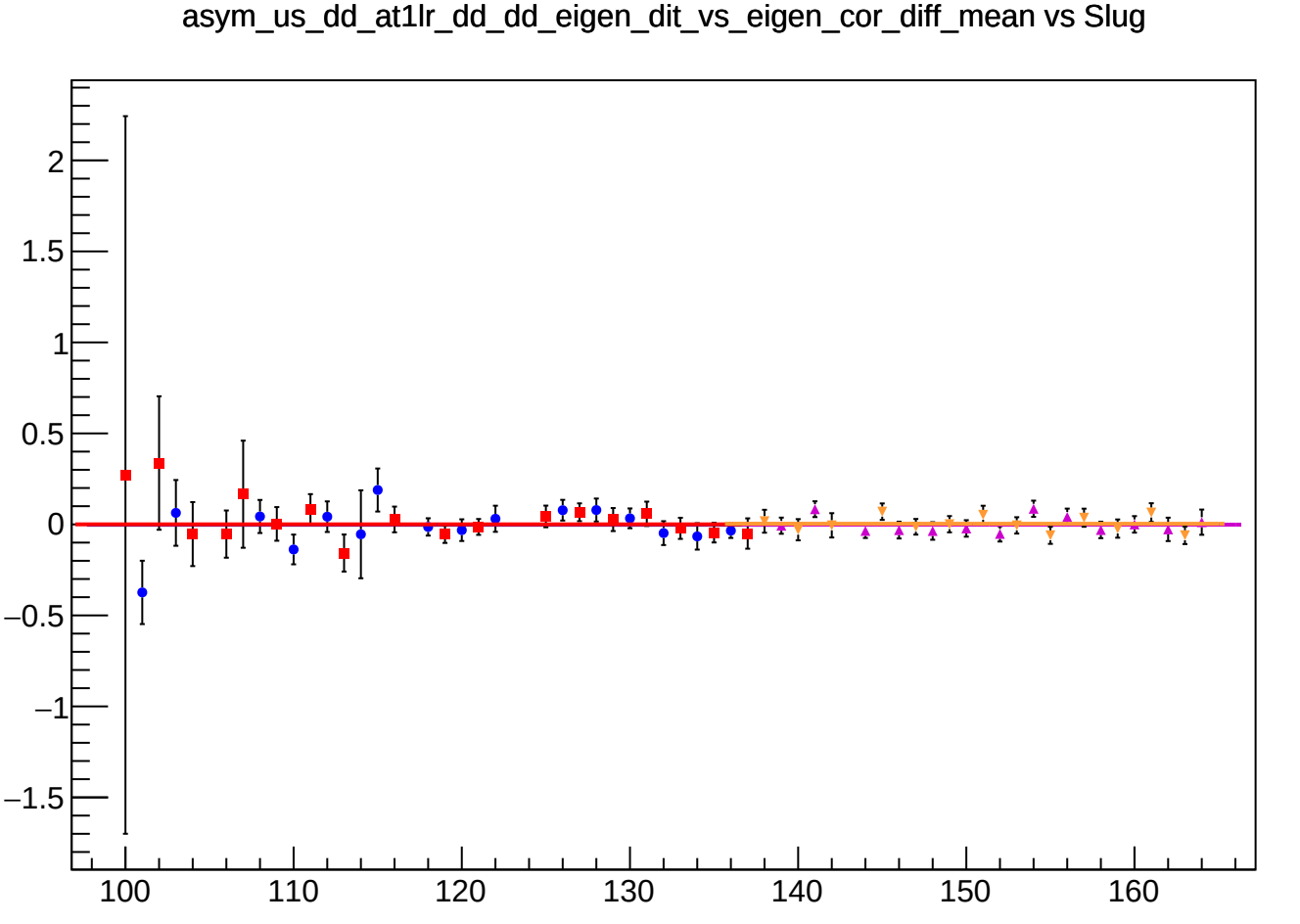
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

\+ sign 40.956+/-0.008 χ^2/NDF: 1589430.2/28

All: 39.622+/-0.005 χ^2/NDF: 3745836.1/59

\- 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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

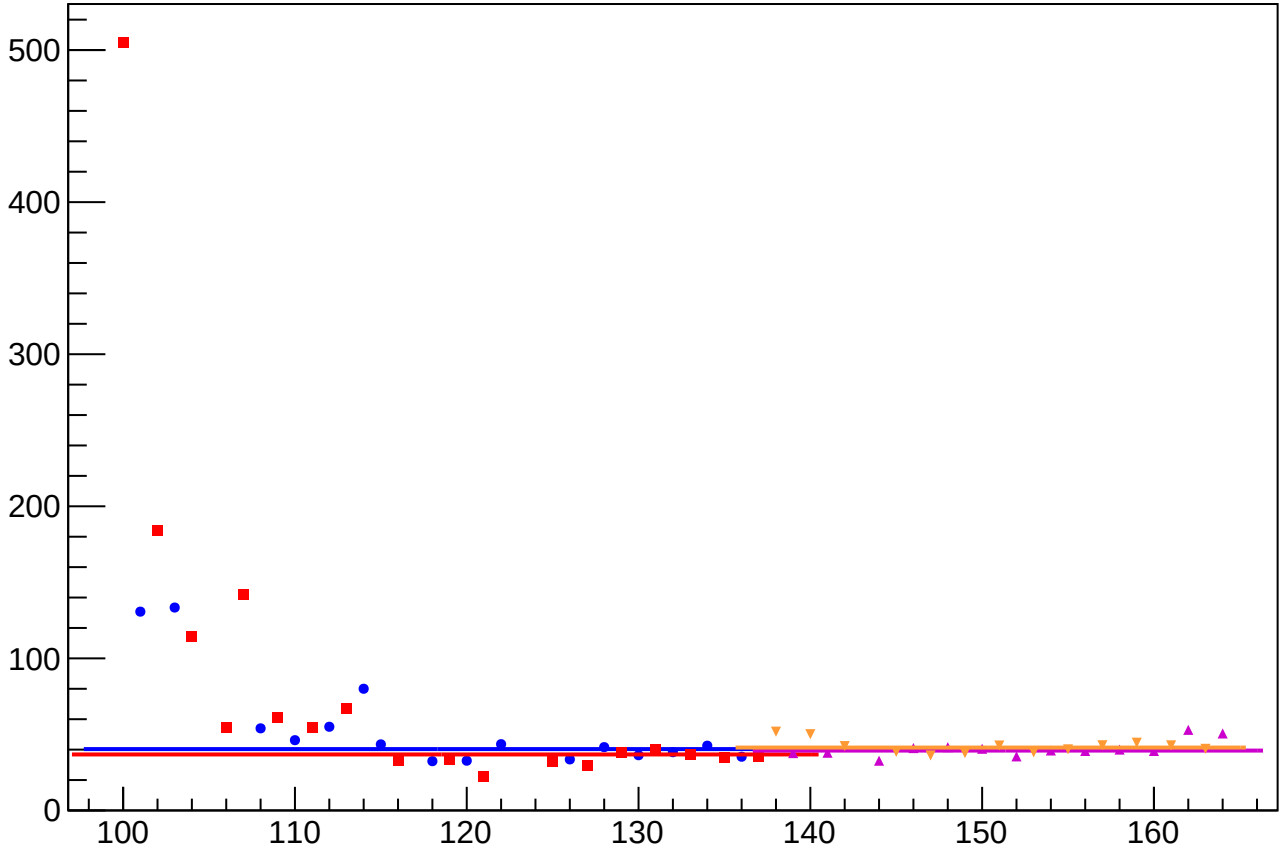
Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/59

- sign -0.001+/-0.010 χ^2/NDF: 23.4/30

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

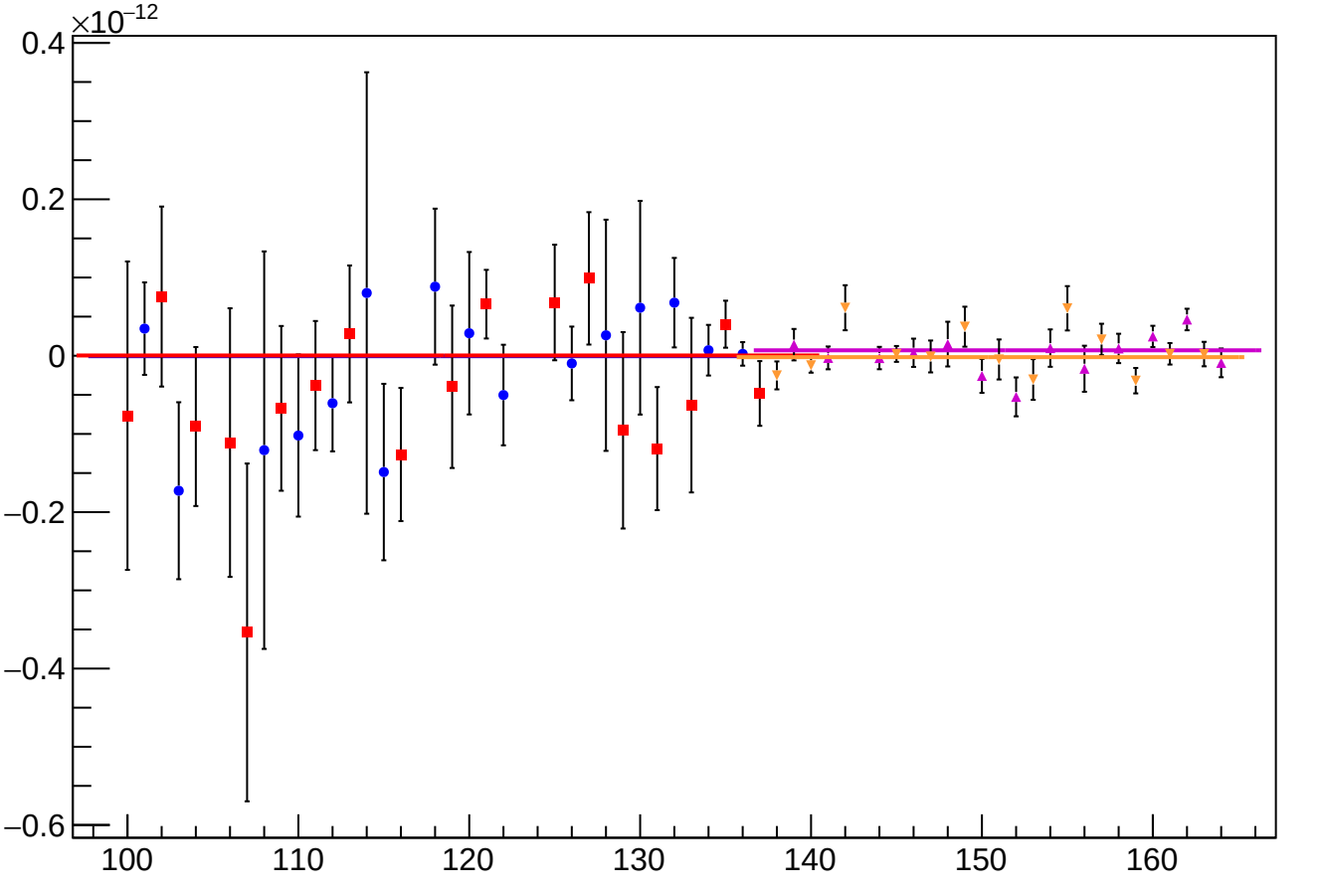
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

+ sign 40.956+/-0.008 χ^2/NDF: 1589430.2/28

All: 39.622+/-0.005 χ^2/NDF: 3745836.1/59

- 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:21.1/12

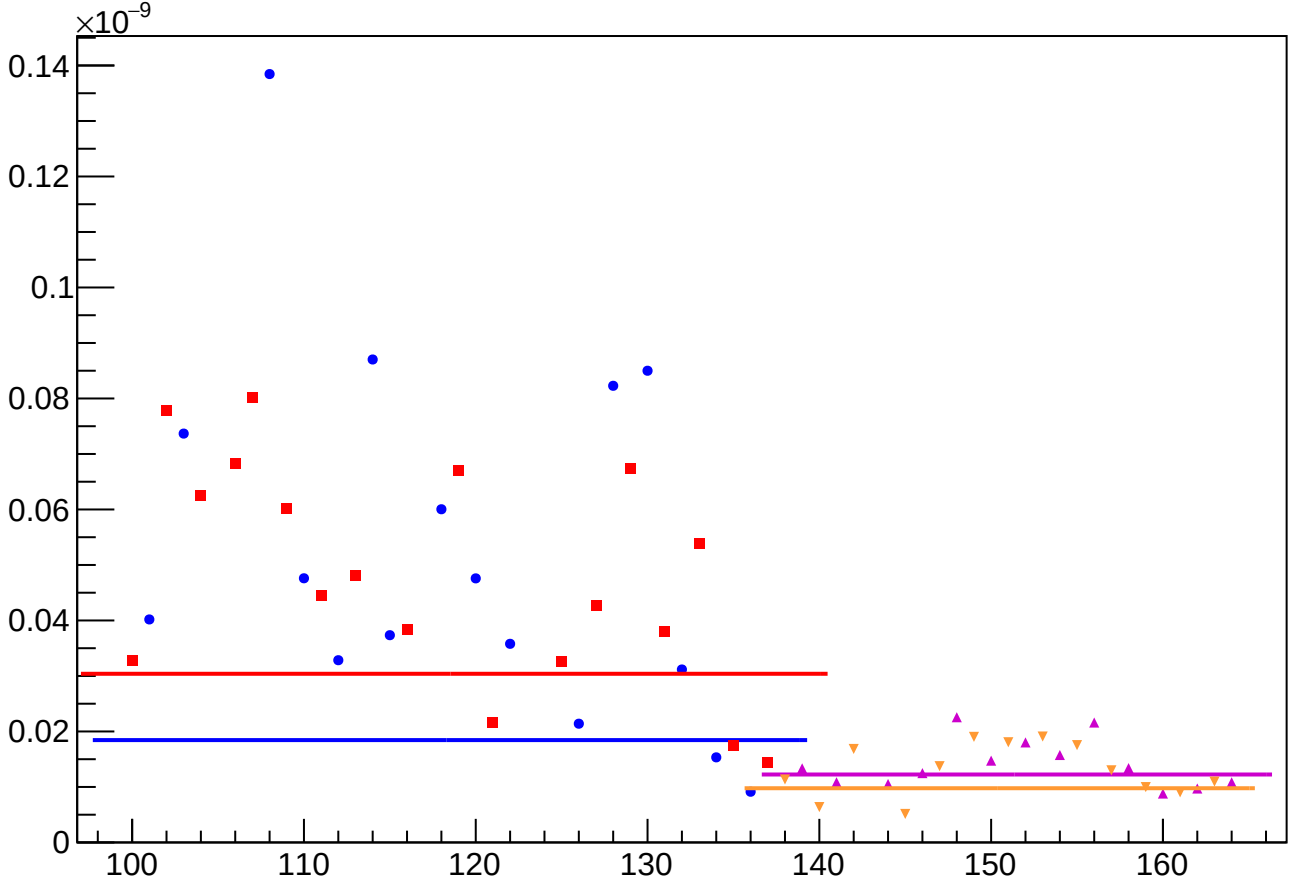
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:20.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/28

All: 0.000+/-0.000 χ^2/NDF: 71.6/59

- 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:1833687.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

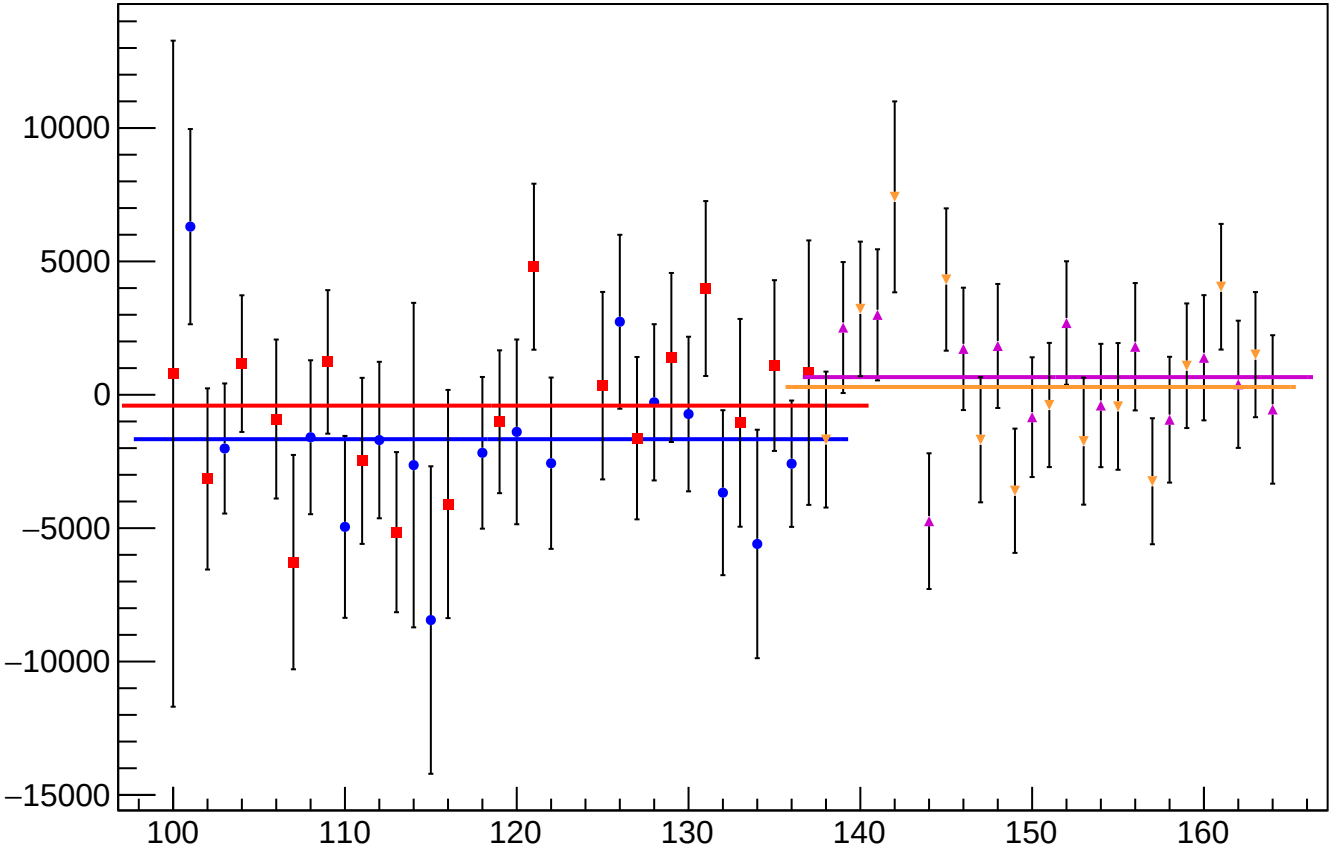
Left In: 0.000+/-0.000 χ^2/NDF:907664.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 6833893.4/28

All: 0.000+/-0.000 χ^2/NDF: 12756721.4/59

- sign 0.000+/-0.000 χ^2/NDF: 5517688.9/30

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.697+/-680.636 χ^2/NDF:17.8/12

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

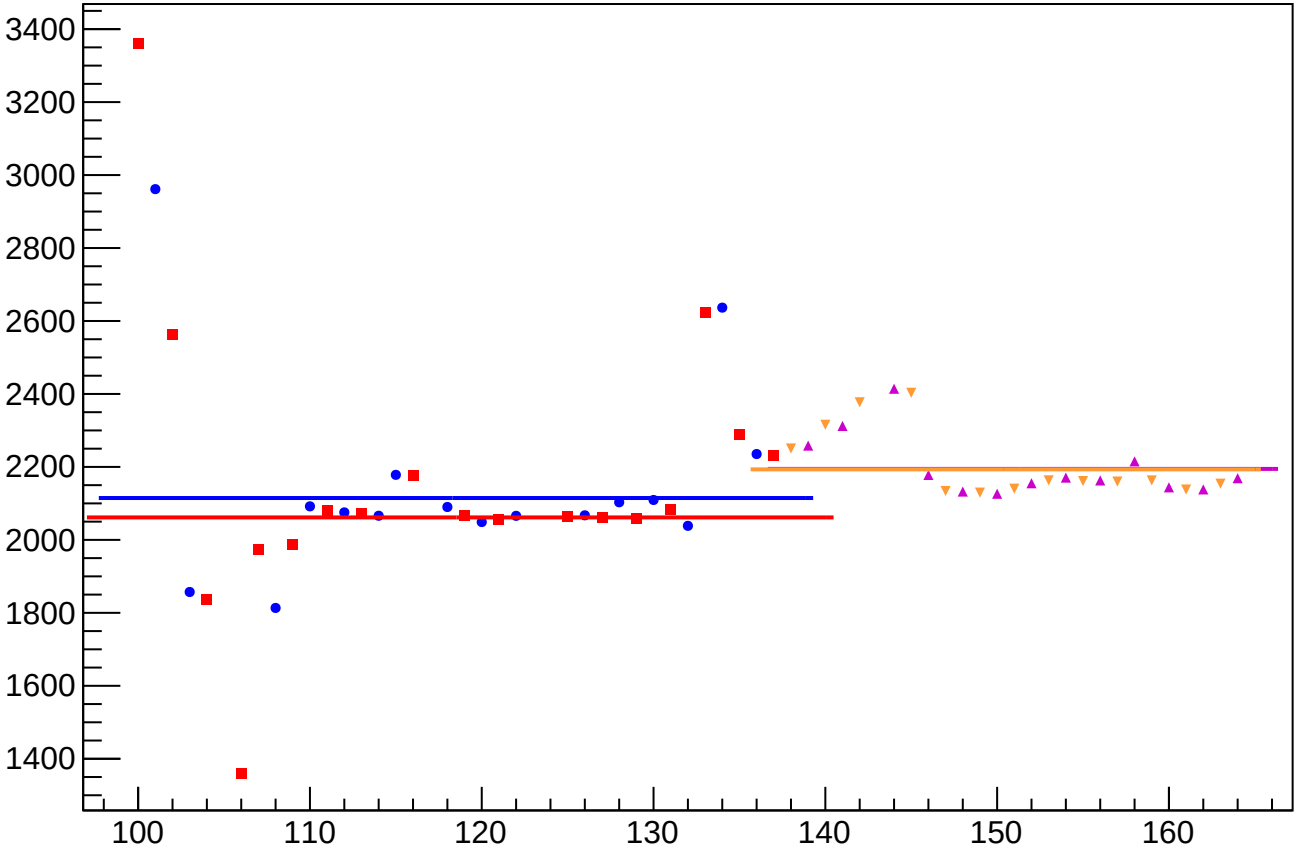
Left In: 662.452+/-662.979 χ^2/NDF:8.9/12

+ sign -538.454+/-516.249 χ^2/NDF: 32.1/28

All: -154.477+/-360.774 χ^2/NDF: 55.8/59

- 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: 2193.264+/-0.481 χ^2/NDF:30266.2/12

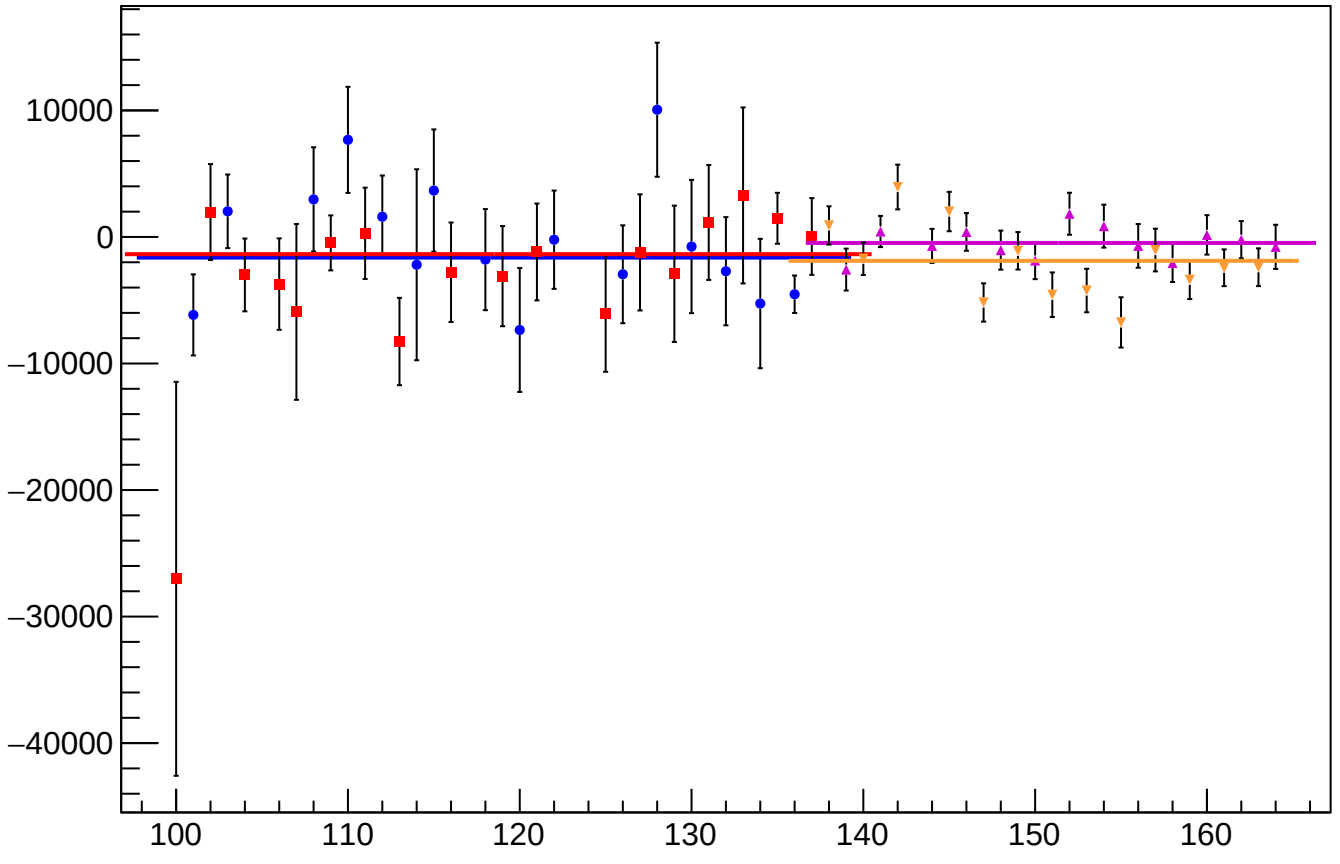
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.2/28

All: 2148.969+/-0.255 χ^2/NDF: 544048.9/59

- 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: -1886.239+/-434.914 χ^2/NDF:37.2/12

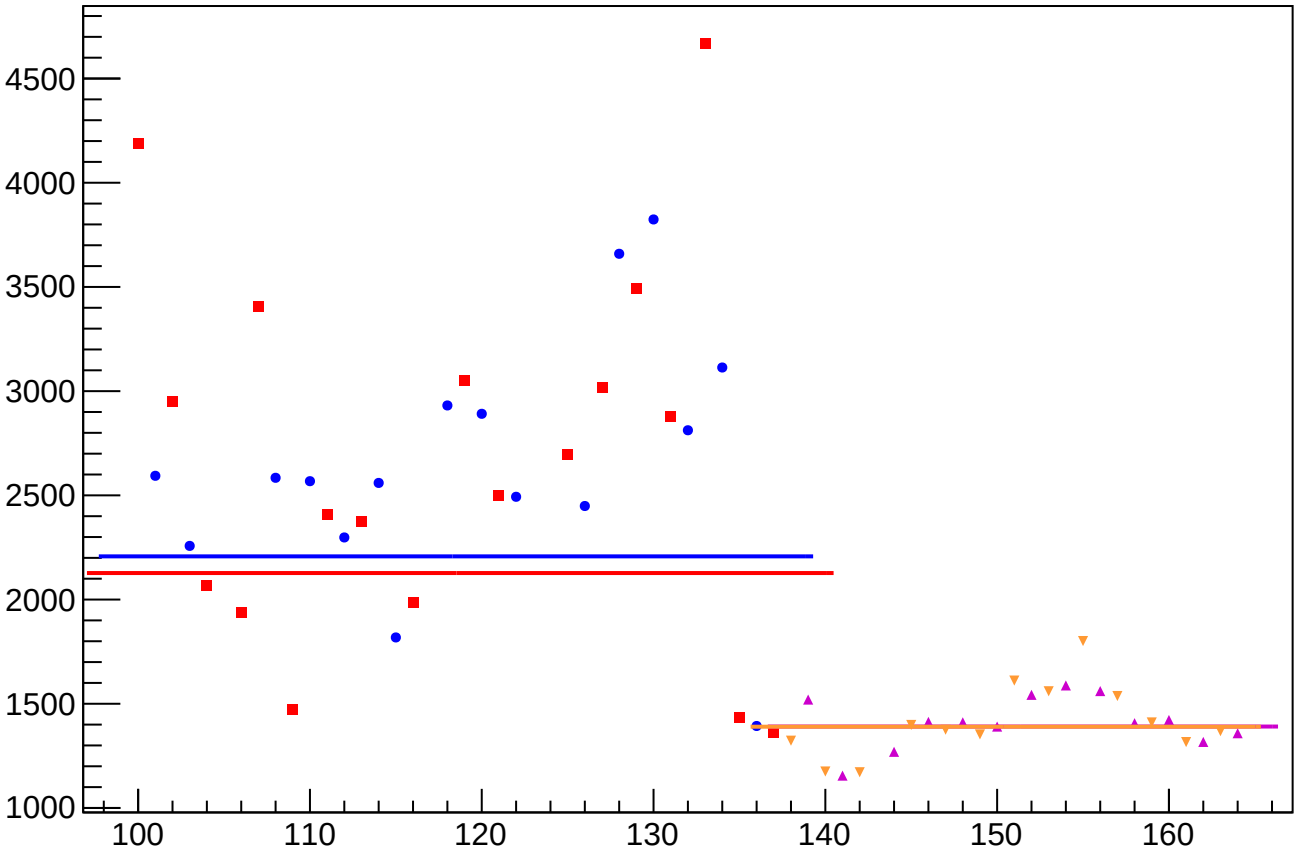
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -472.463+/-422.471 χ^2/NDF:7.5/12

+ sign -1834.382+/-388.330 χ^2/NDF: 60.2/28

All: -1226.349+/-270.666 χ^2/NDF: 86.7/59

- 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: 1389.917+/-0.308 χ^2/NDF:249692.1/12

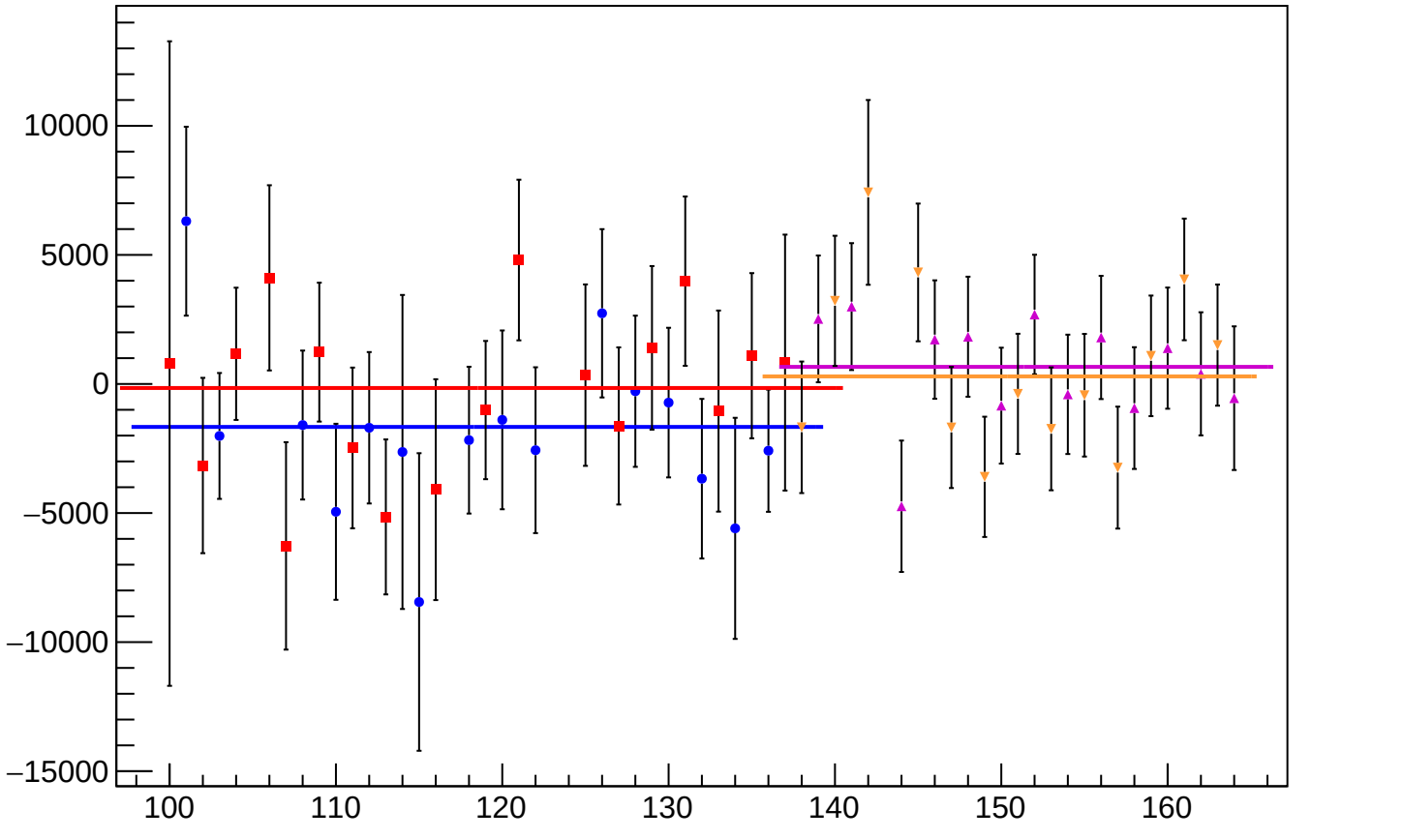
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1390.717+/-0.299 χ^2/NDF:172244.9/12

+ sign 1555.634+/-0.275 χ^2/NDF: 2931117.4/28

All: 1547.229+/-0.191 χ^2/NDF: 5789390.5/59

- sign 1539.288+/-0.267 χ^2/NDF: 2856451.0/30



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

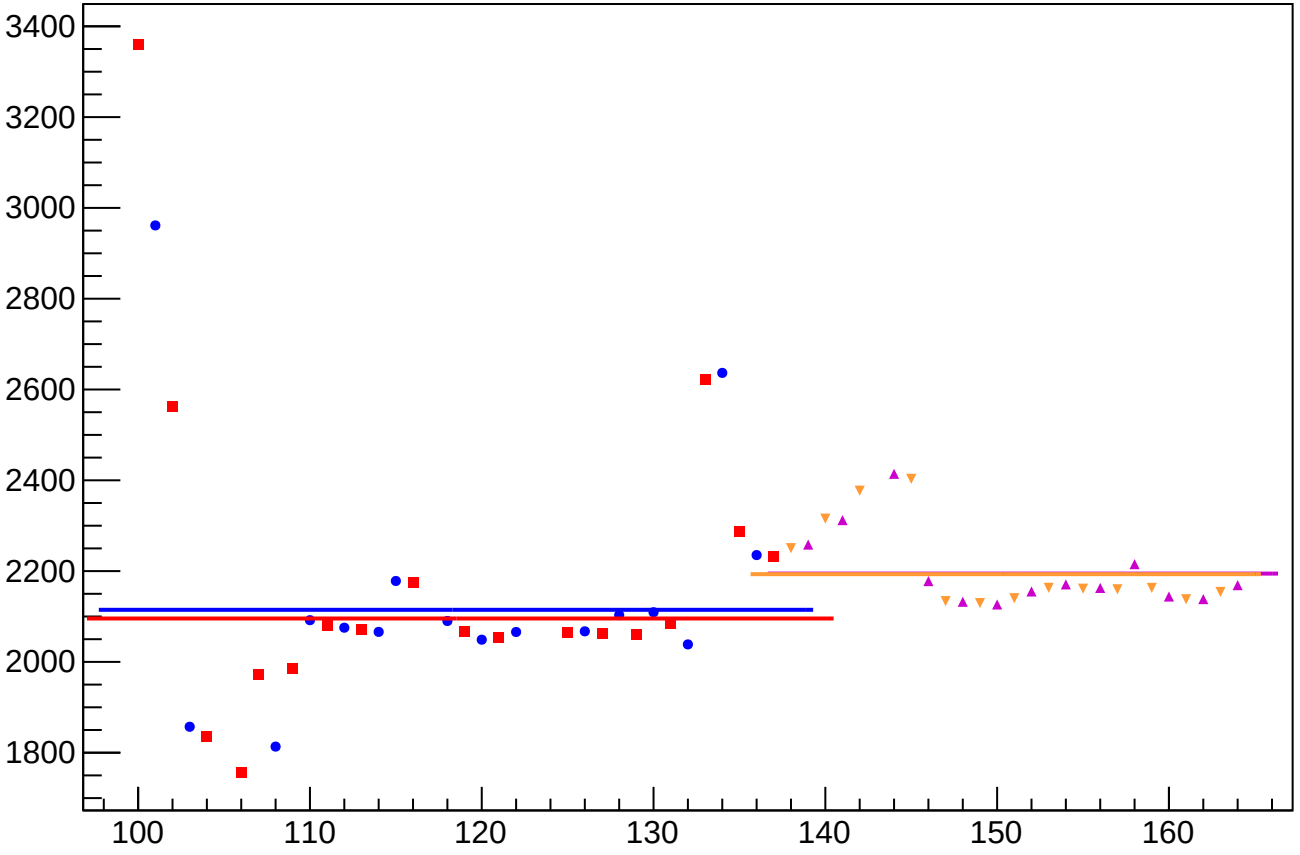
Left In: 662.337+/-662.979 χ^2/NDF:8.9/12

+ sign -538.274+/-516.249 χ^2/NDF: 32.1/28

All: -100.063+/-361.597 χ^2/NDF: 57.2/59

- 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: 2193.264+/-0.481 χ^2/NDF:30266.2/12

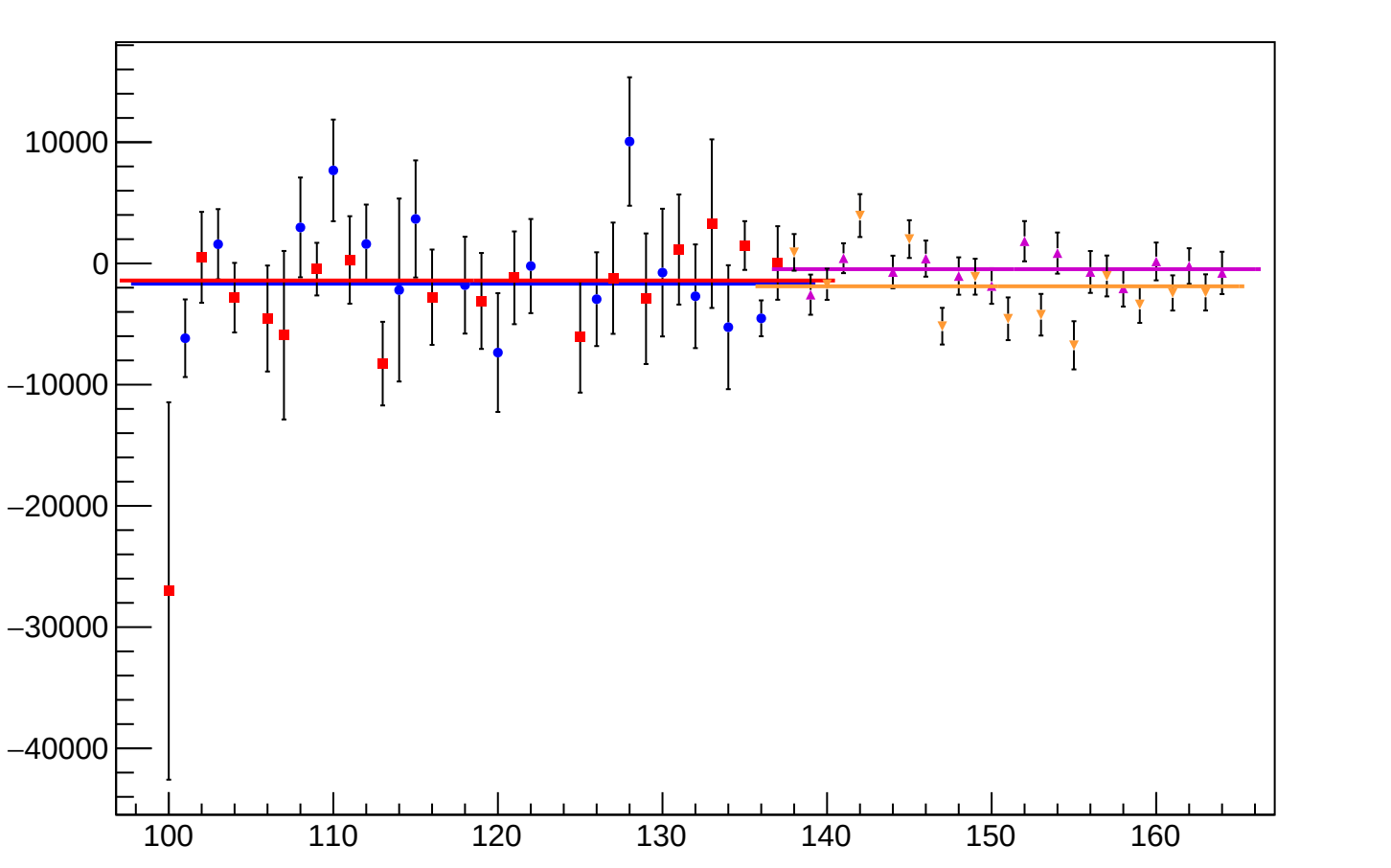
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.5/28

All: 2156.581+/-0.256 χ^2/NDF: 427270.4/59

- 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: -1886.121+/-434.917 χ^2/NDF:37.2/12

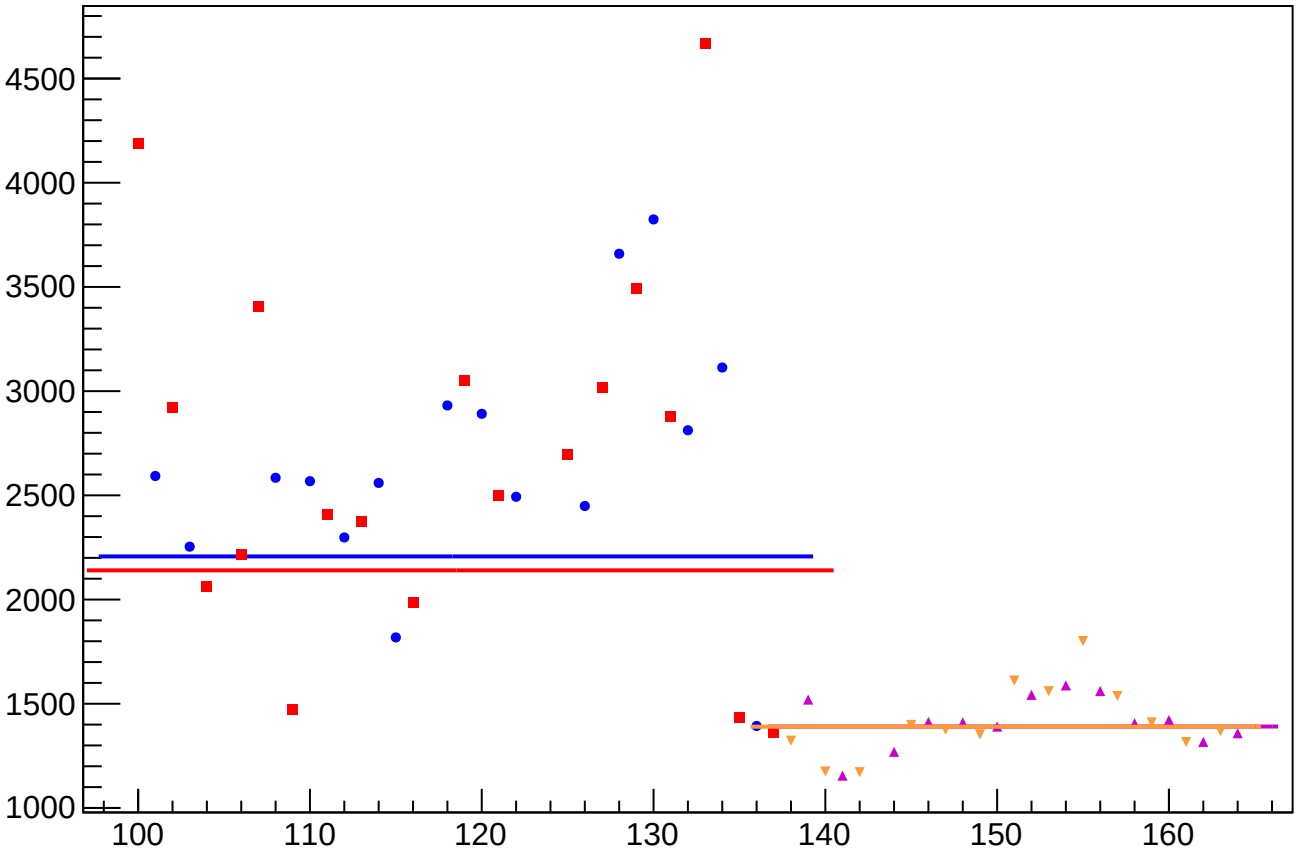
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -472.345+/-422.471 χ^2/NDF:7.5/12

+ sign -1841.970+/-388.305 χ^2/NDF: 59.8/28

All: -1234.529+/-270.878 χ^2/NDF: 86.0/59

- 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: 1389.927+/-0.308 χ^2/NDF:249637.8/12

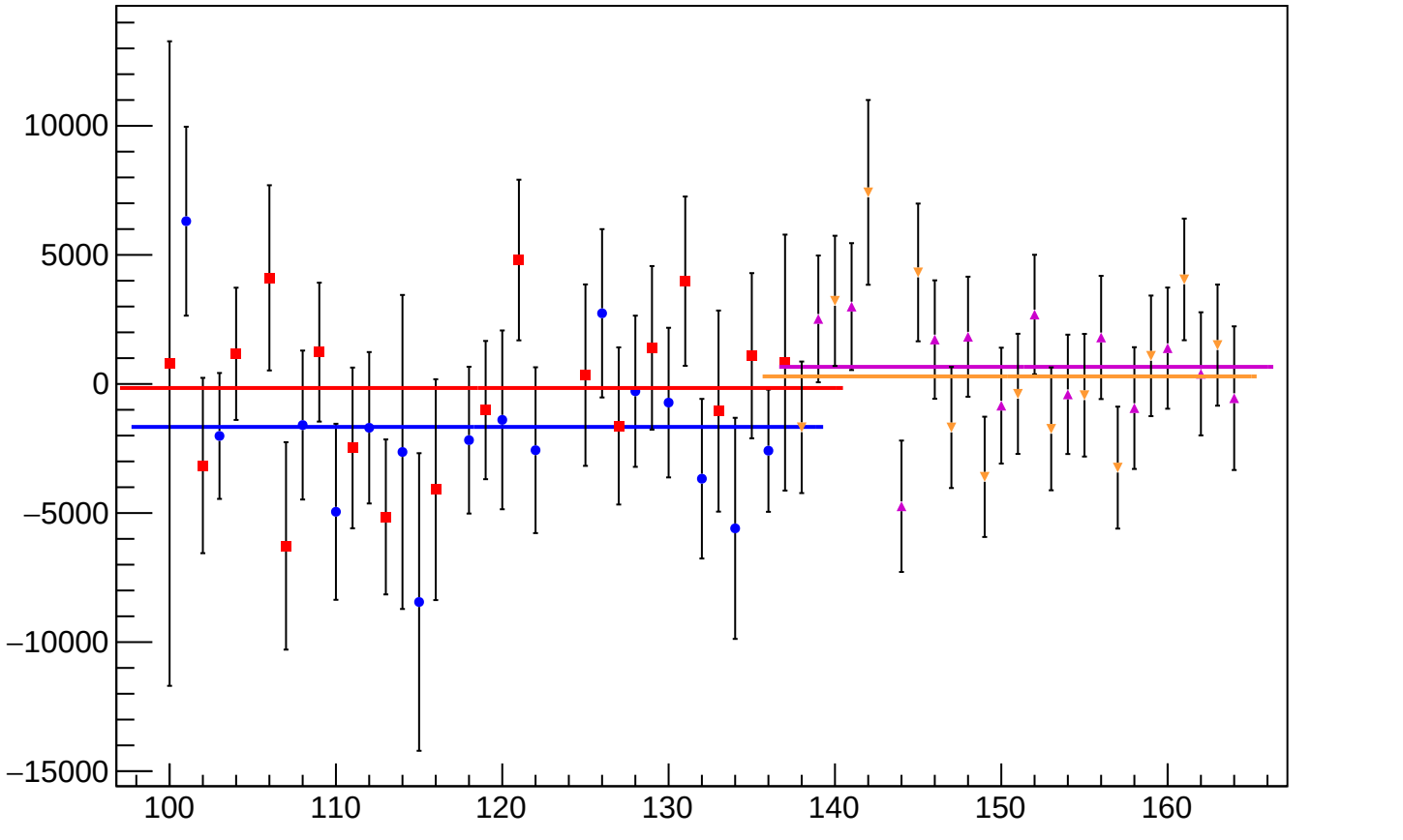
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

+ sign 1555.665+/-0.275 χ^2/NDF: 2930372.4/28

All: 1547.615+/-0.192 χ^2/NDF: 5806065.6/59

- 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: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

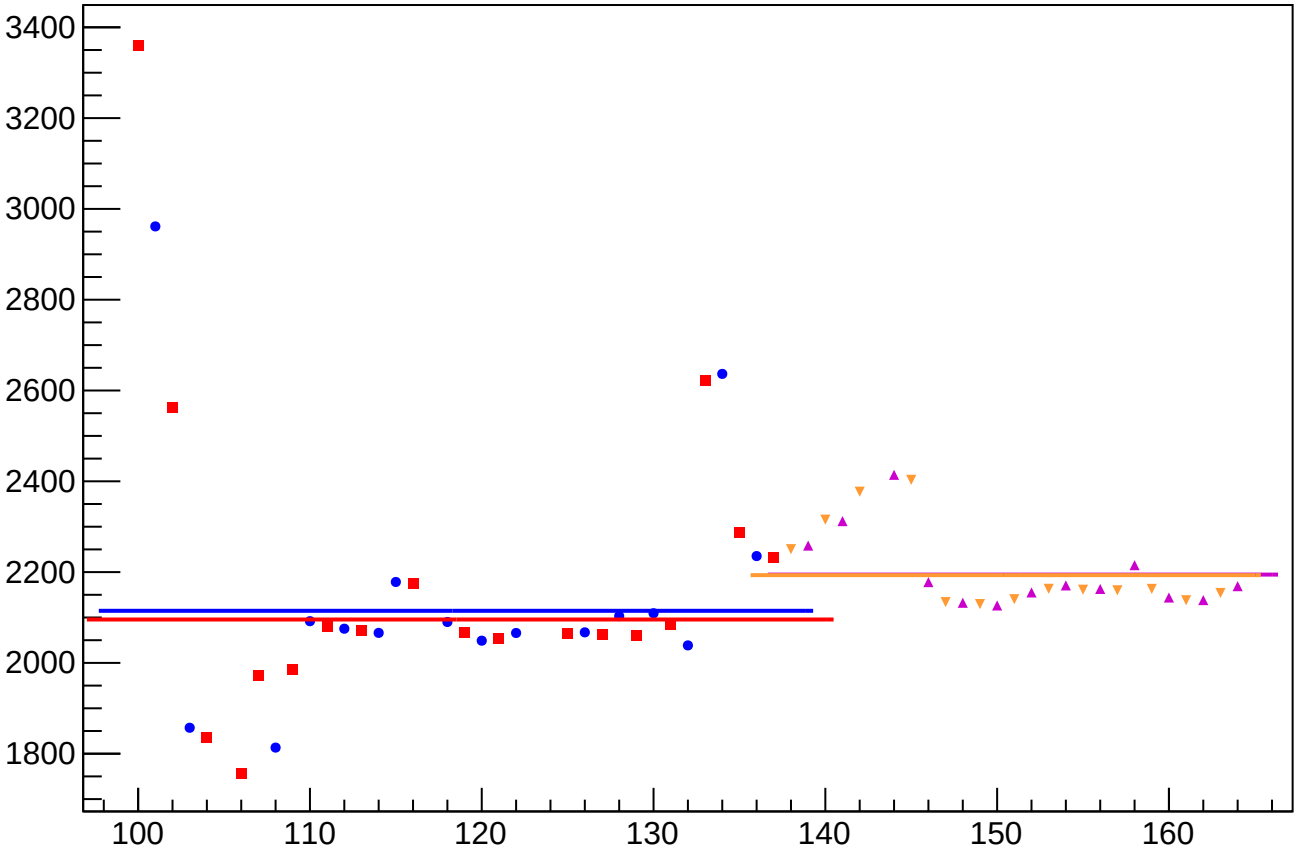
Left In: 662.337+/-662.979 χ^2/NDF:8.9/12

+ sign -538.274+/-516.249 χ^2/NDF: 32.1/28

All: -100.063+/-361.597 χ^2/NDF: 57.2/59

- 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: 2193.264+/-0.481 χ^2/NDF:30266.2/12

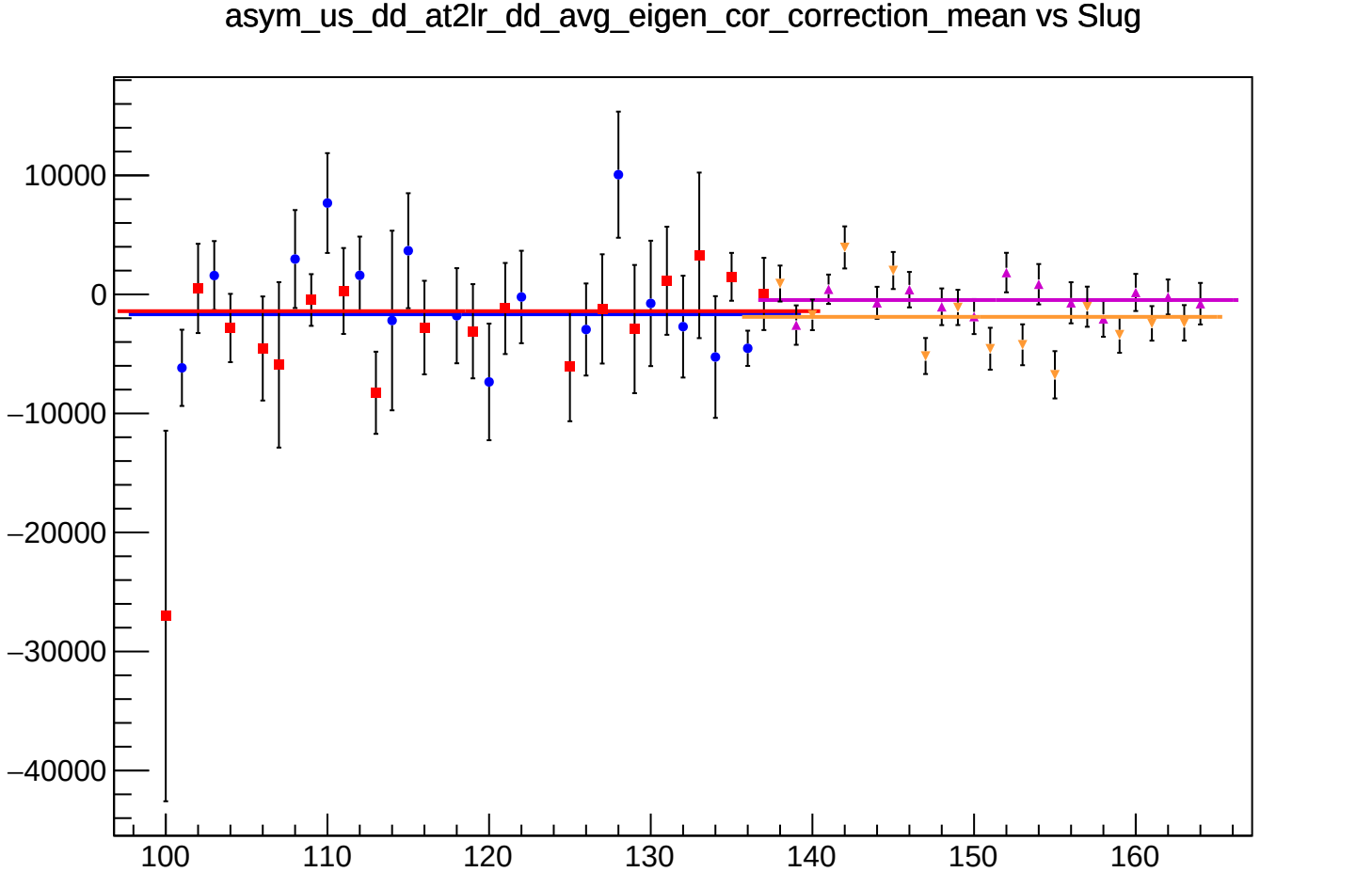
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.5/28

All: 2156.581+/-0.256 χ^2/NDF: 427270.4/59

- 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: -1886.121+/-434.917 χ^2/NDF:37.2/12

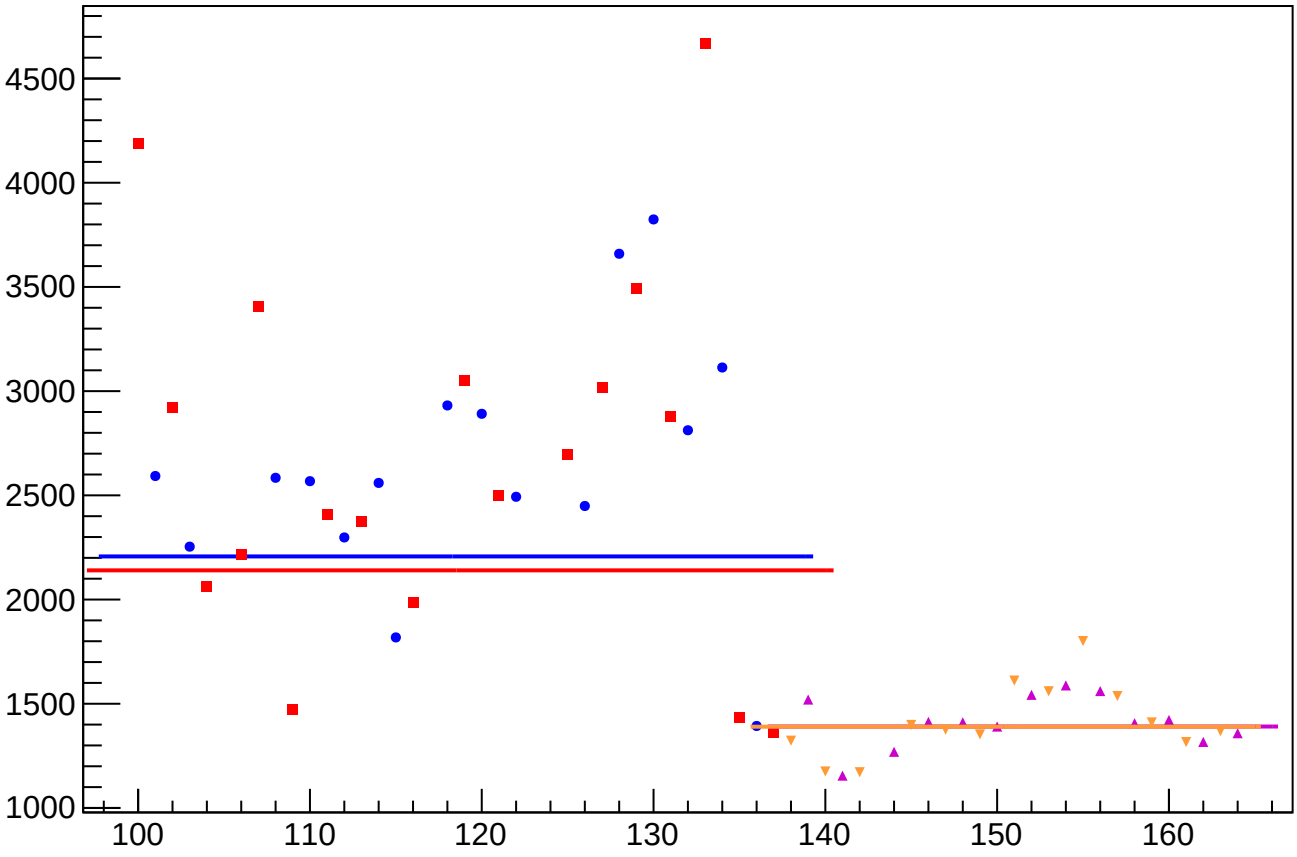
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -472.345+/-422.471 χ^2/NDF:7.5/12

+ sign -1841.970+/-388.305 χ^2/NDF: 59.8/28

All: -1234.529+/-270.878 χ^2/NDF: 86.0/59

- 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: 1389.927+/-0.308 χ^2/NDF:249637.8/12

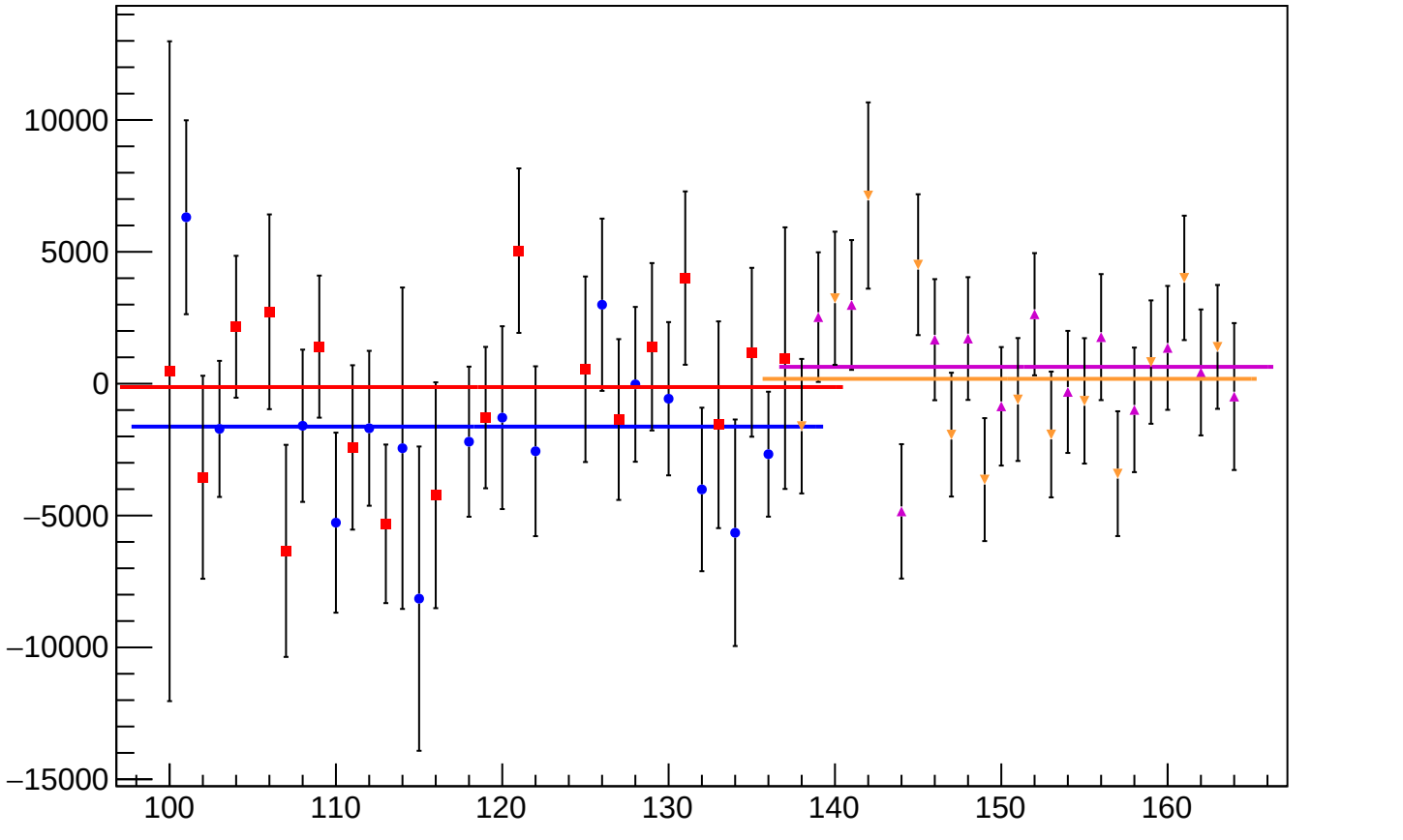
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

+ sign 1555.665+/-0.275 χ^2/NDF: 2930372.4/28

All: 1547.615+/-0.192 χ^2/NDF: 5806065.6/59

- 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: 183.476+/-681.094 χ^2/NDF:18.3/12

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

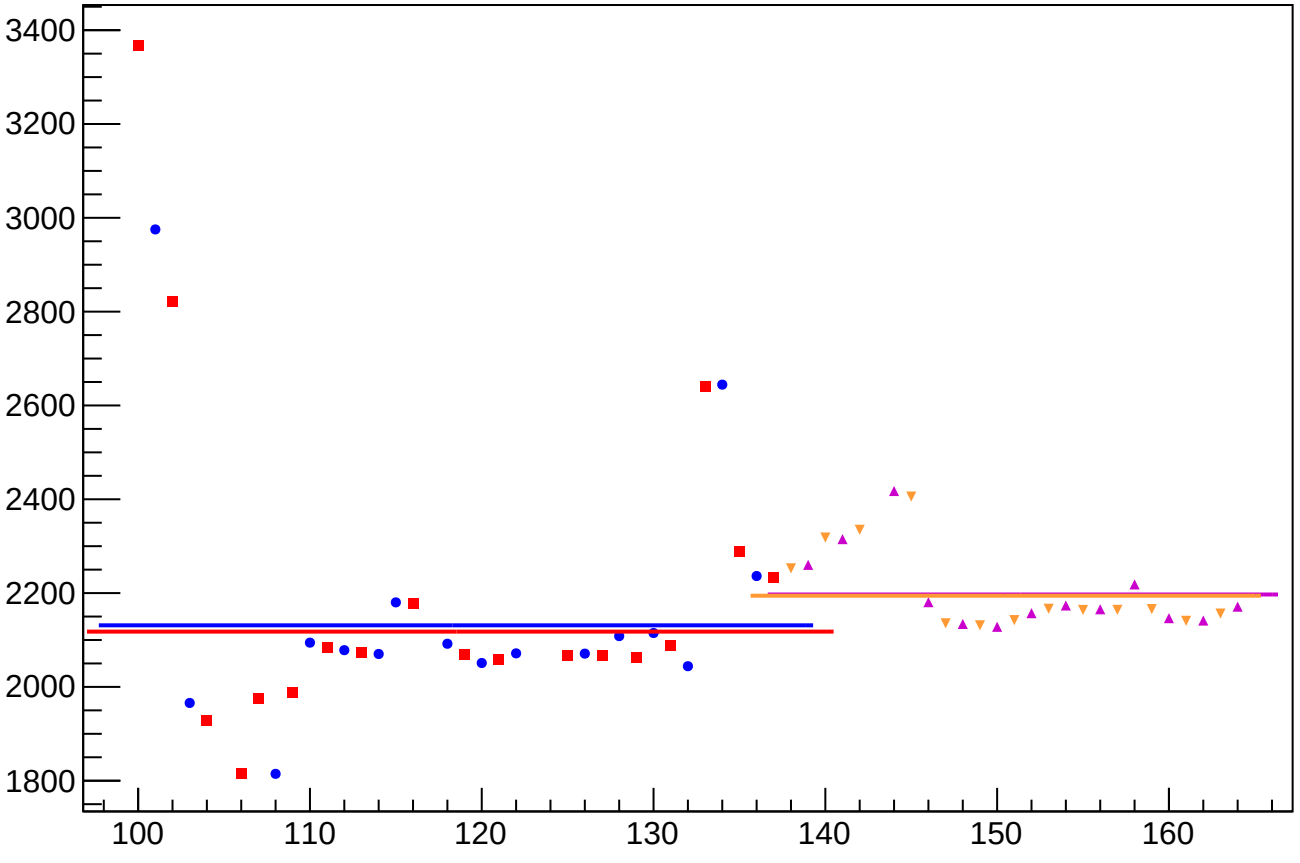
Left In: 638.738+/-663.728 χ^2/NDF:8.9/12

+ sign -579.857+/-518.047 χ^2/NDF: 32.6/28

All: -120.525+/-363.342 χ^2/NDF: 58.1/59

- 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: 2194.438+/-0.482 χ^2/NDF:28057.0/12

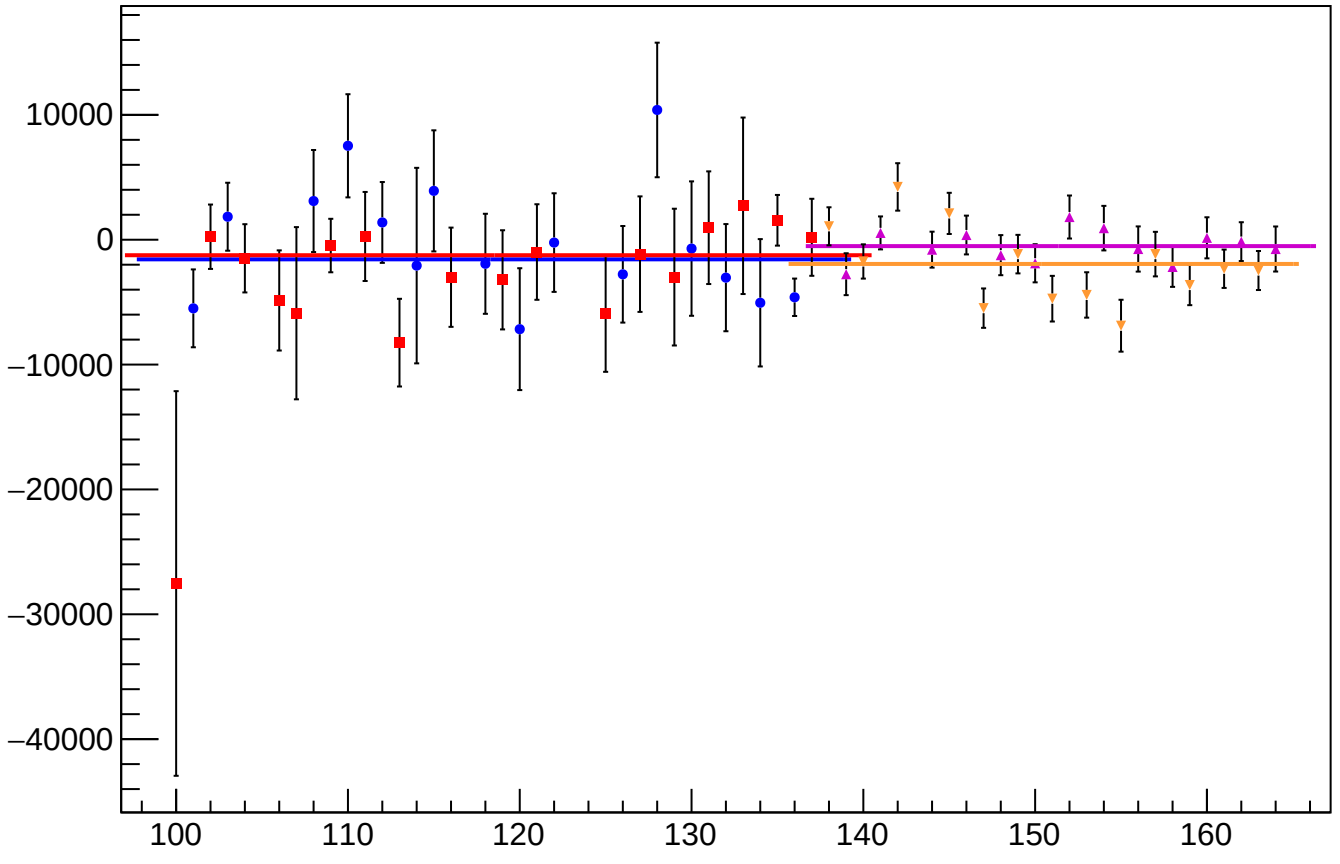
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2196.989+/-0.469 χ^2/NDF:27838.9/12

+ sign 2167.826+/-0.366 χ^2/NDF: 211244.5/28

All: 2166.154+/-0.257 χ^2/NDF: 414405.1/59

- 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: -1940.337+/-456.701 χ^2/NDF:37.1/12

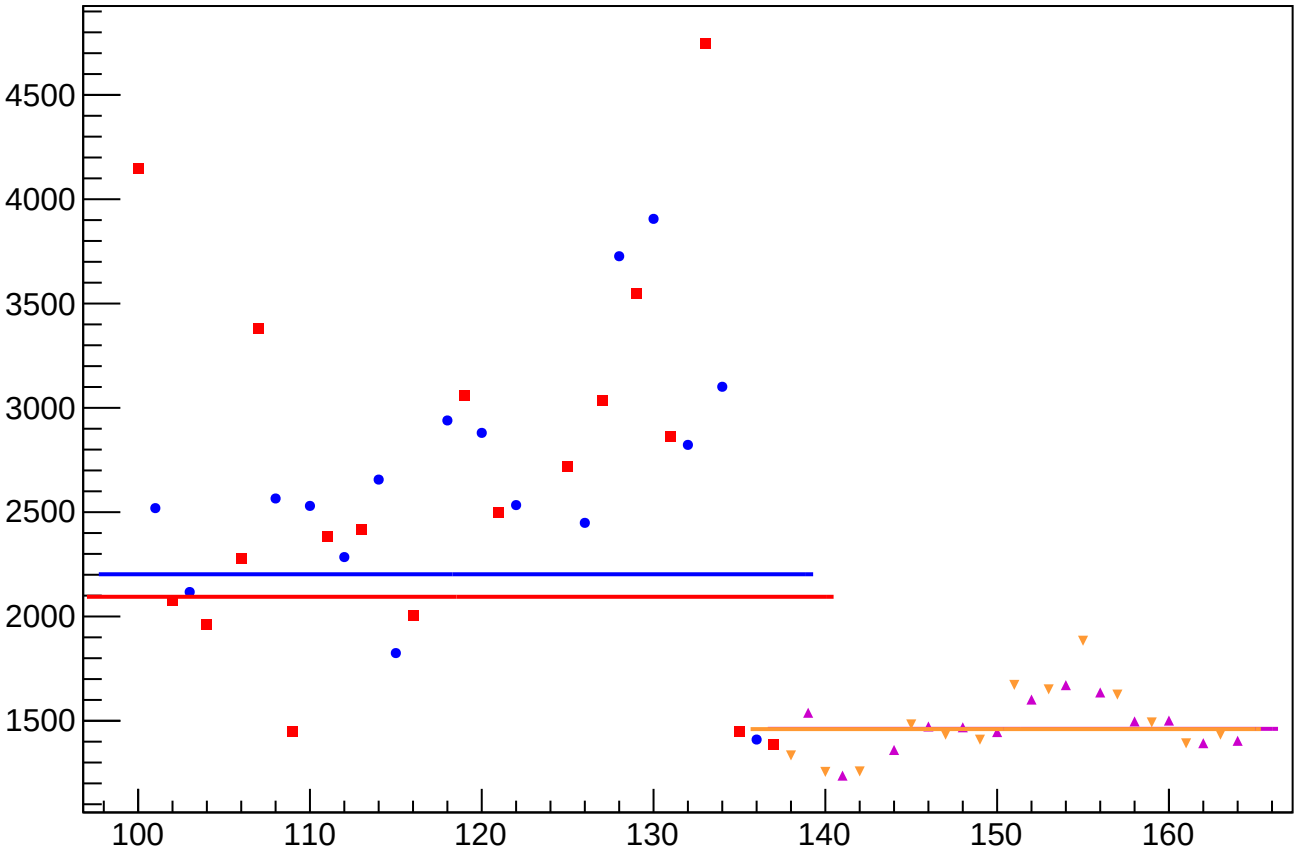
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -511.192+/-443.567 χ^2/NDF:7.6/12

+ sign -1859.072+/-403.329 χ^2/NDF: 59.9/28

All: -1248.091+/-280.410 χ^2/NDF: 85.6/59

- 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: 1460.215+/-0.323 χ^2/NDF:238644.6/12

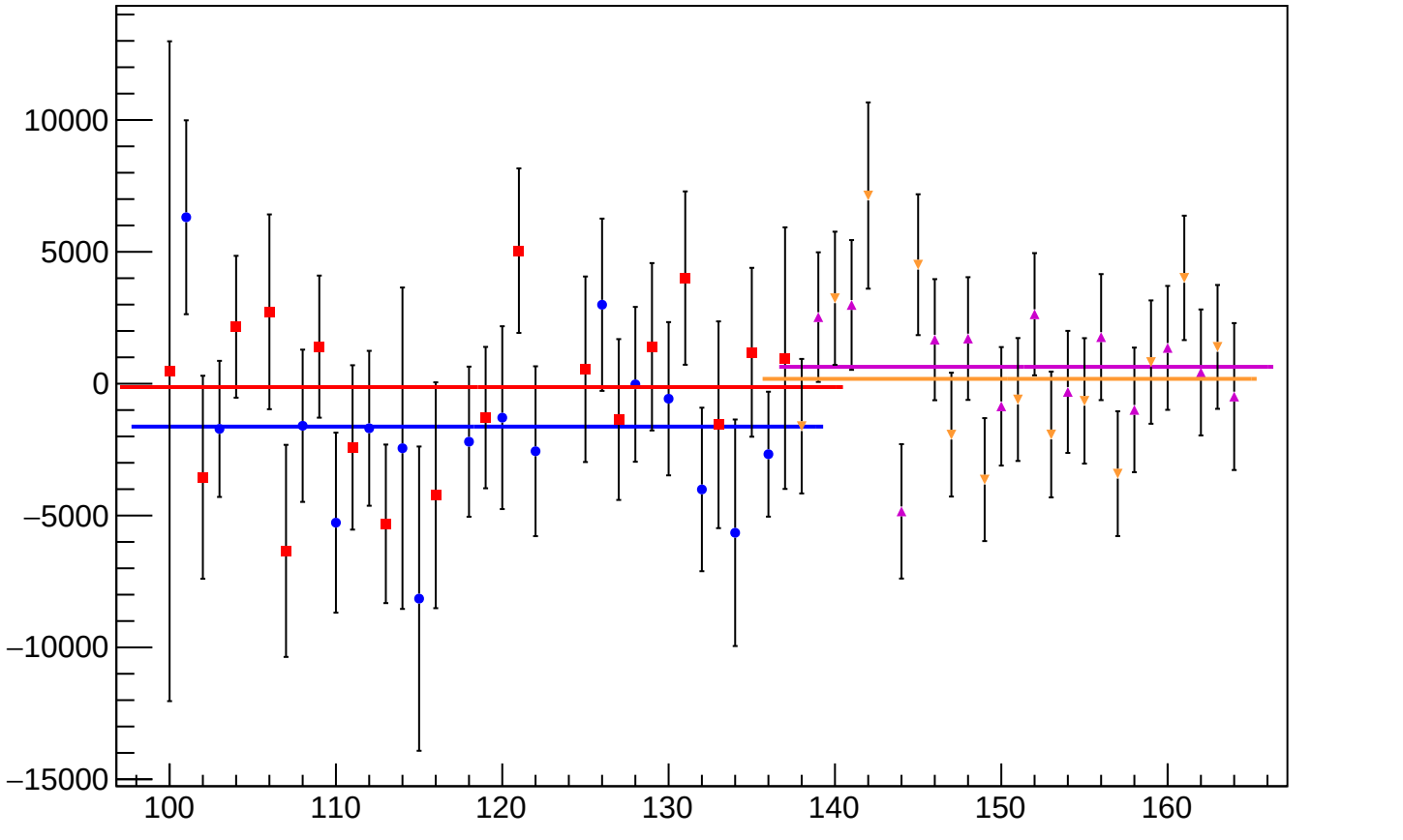
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1461.456+/-0.314 χ^2/NDF:139643.9/12

+ sign 1623.546+/-0.285 χ^2/NDF: 2623952.9/28

All: 1613.865+/-0.198 χ^2/NDF: 5061887.3/59

- 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: 183.482+/-681.094 χ^2/NDF:18.3/12

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

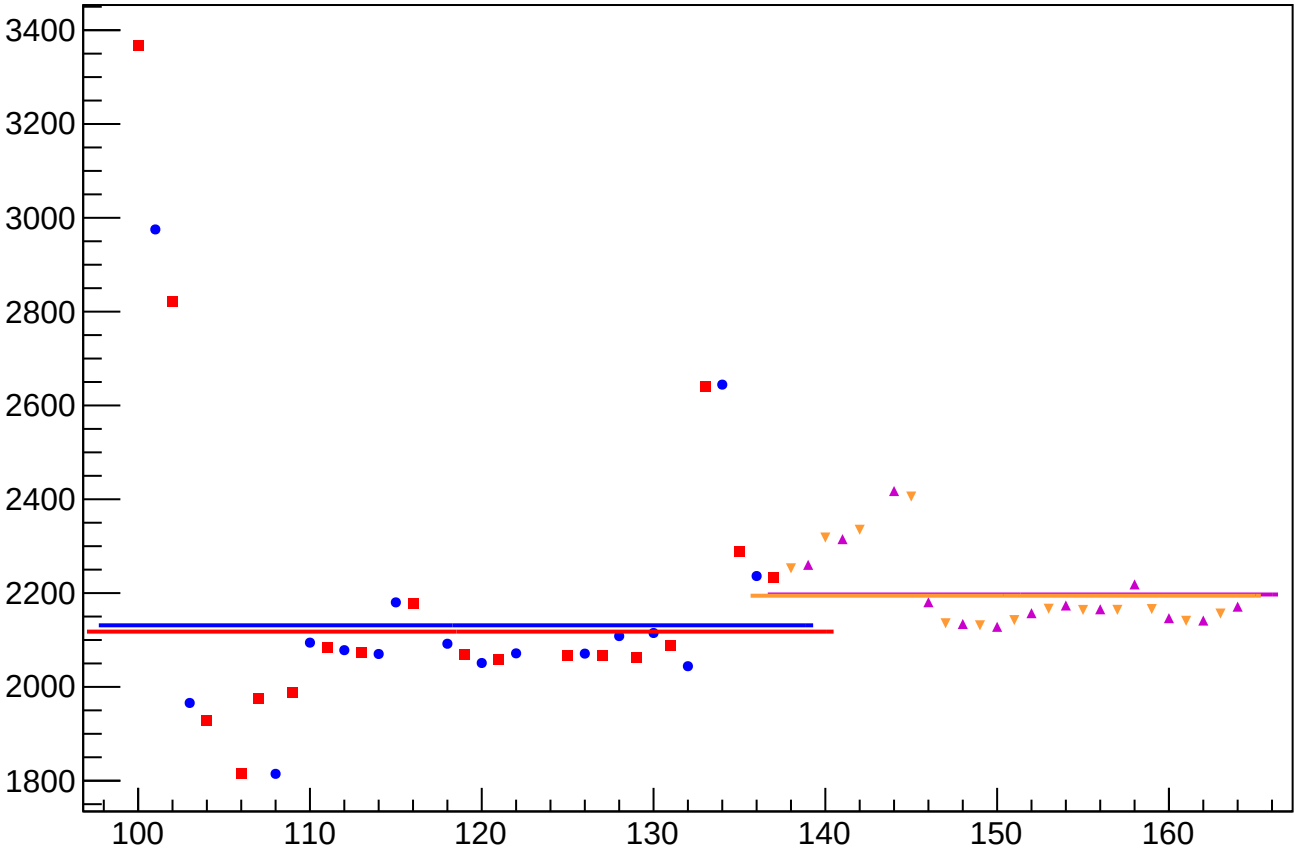
Left In: 638.738+/-663.728 χ^2/NDF:8.9/12

+ sign -579.855+/-518.047 χ^2/NDF: 32.6/28

All: -120.523+/-363.342 χ^2/NDF: 58.1/59

- 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: 2194.438+/-0.482 χ^2/NDF:28057.1/12

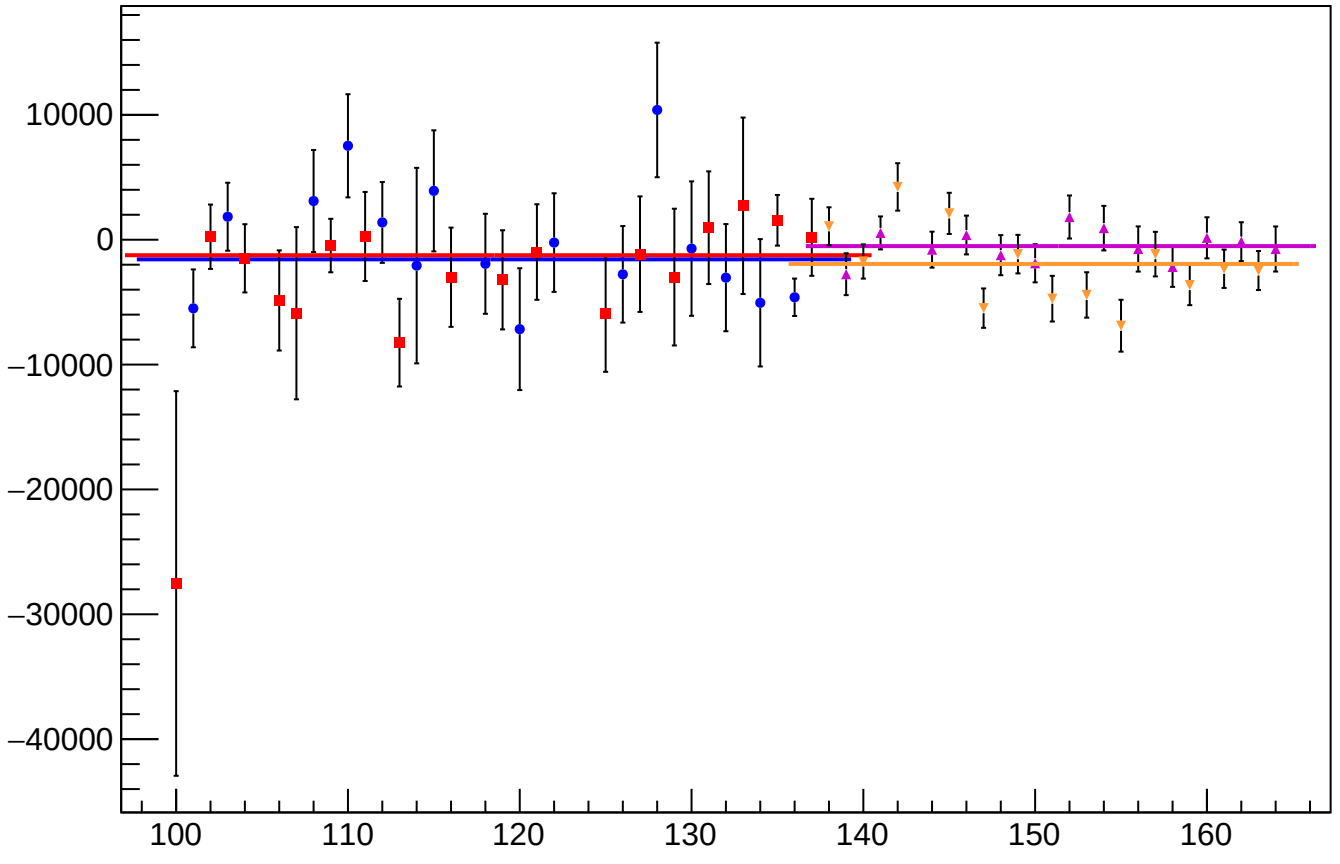
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2196.989+/-0.469 χ^2/NDF:27839.0/12

+ sign 2167.826+/-0.366 χ^2/NDF: 211244.6/28

All: 2166.154+/-0.257 χ^2/NDF: 414405.2/59

- 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: -1940.346+/-456.702 χ^2/NDF:37.1/12

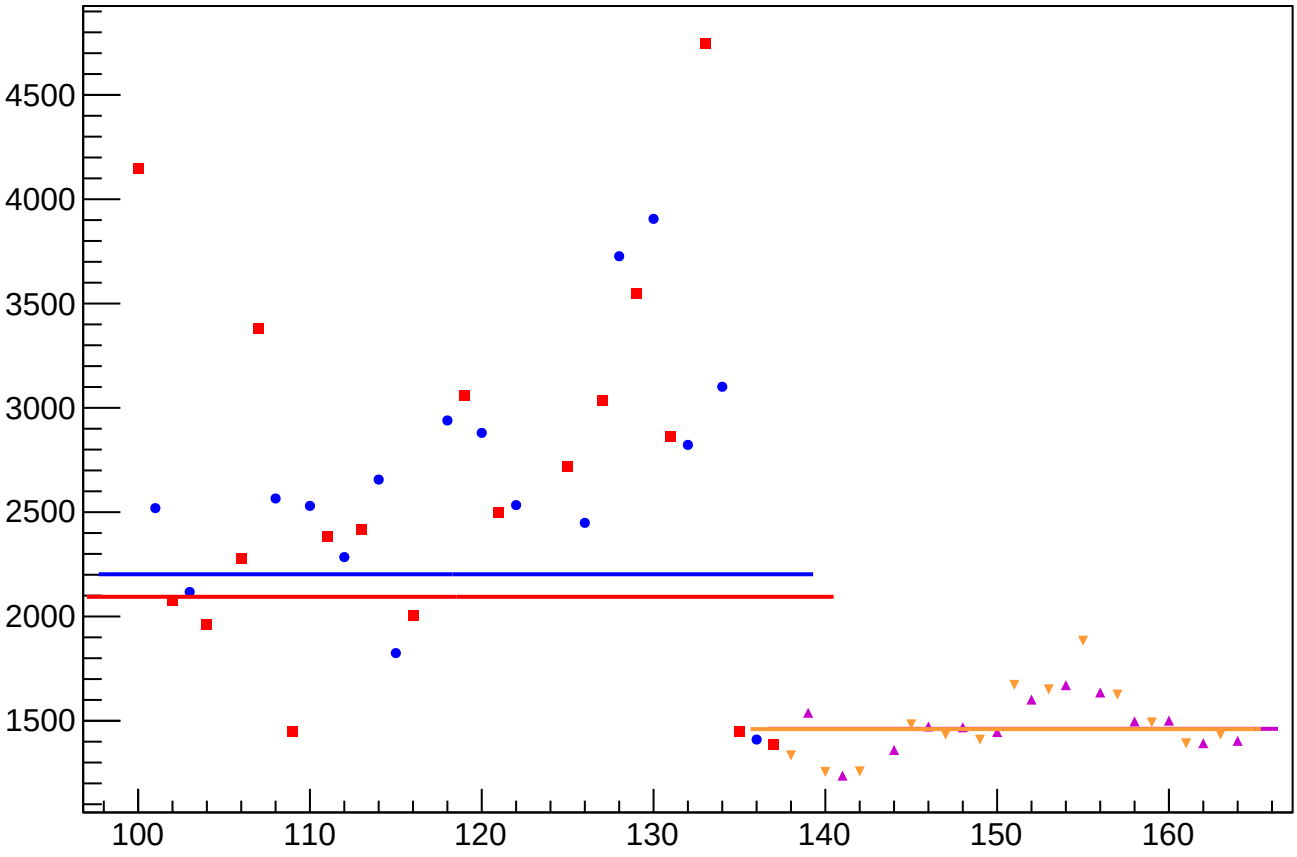
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -511.188+/-443.567 χ^2/NDF:7.6/12

+ sign -1859.076+/-403.329 χ^2/NDF: 59.9/28

All: -1248.092+/-280.410 χ^2/NDF: 85.6/59

- 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: 1460.217+/-0.323 χ^2/NDF:238636.0/12

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

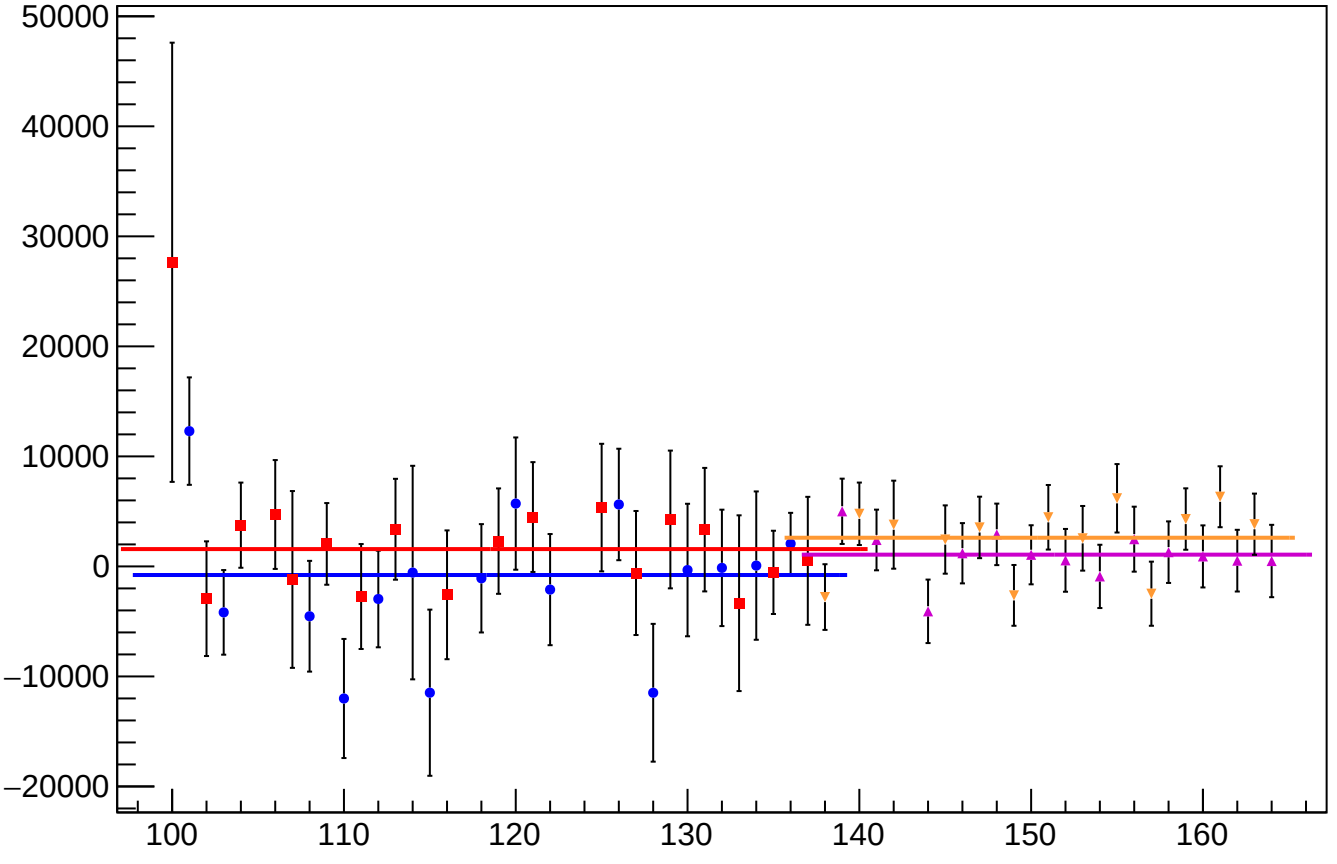
Left In: 1461.456+/-0.314 χ^2/NDF:139647.4/12

+ sign 1623.550+/-0.285 χ^2/NDF: 2623910.3/28

All: 1613.868+/-0.198 χ^2/NDF: 5061831.7/59

- 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: 2605.901+/-815.778 χ^2/NDF:14.8/12

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

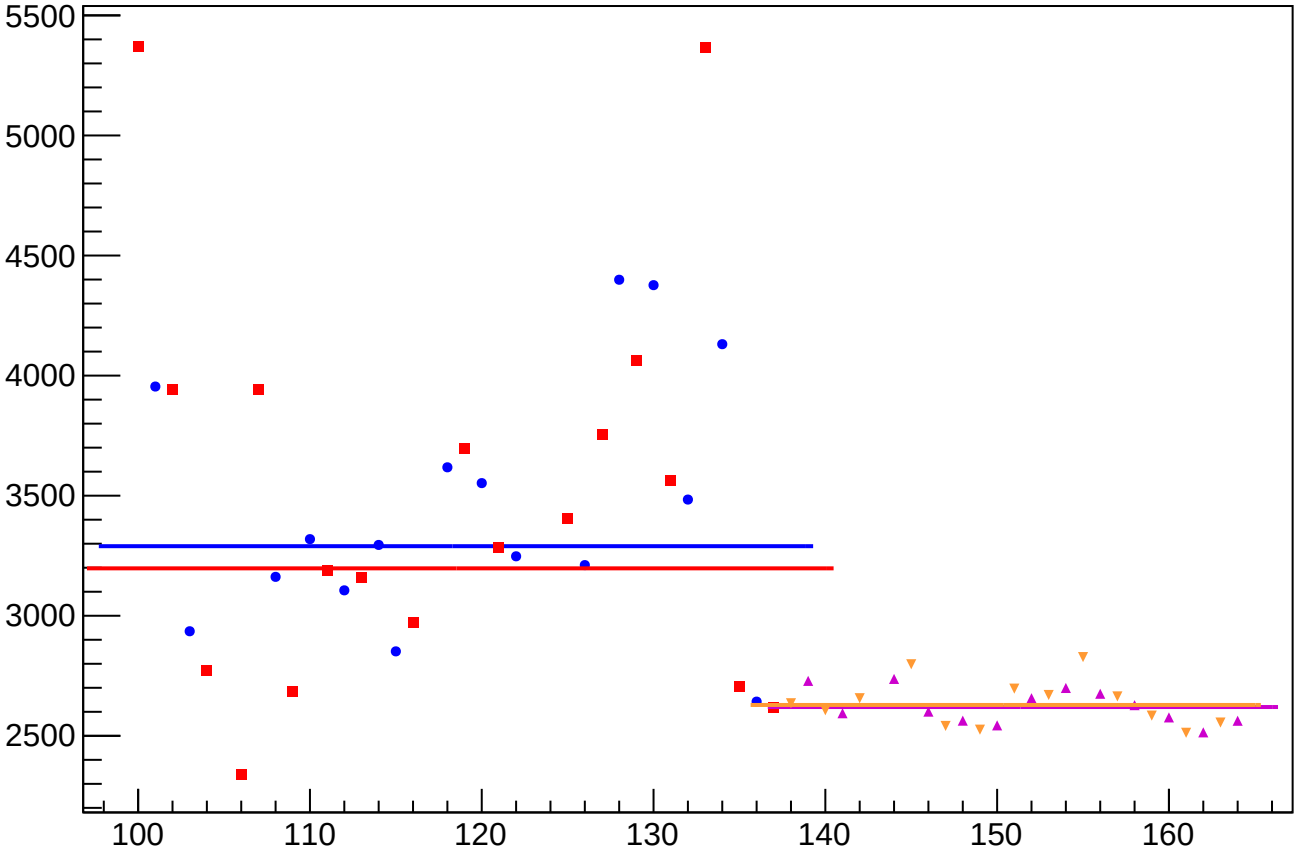
Left In: 1068.668+/-791.416 χ^2/NDF:6.4/12

+ sign 1584.594+/-681.801 χ^2/NDF: 41.9/28

All: 1396.757+/-475.608 χ^2/NDF: 55.3/59

- 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: 2628.495+/-0.577 χ^2/NDF:26293.5/12

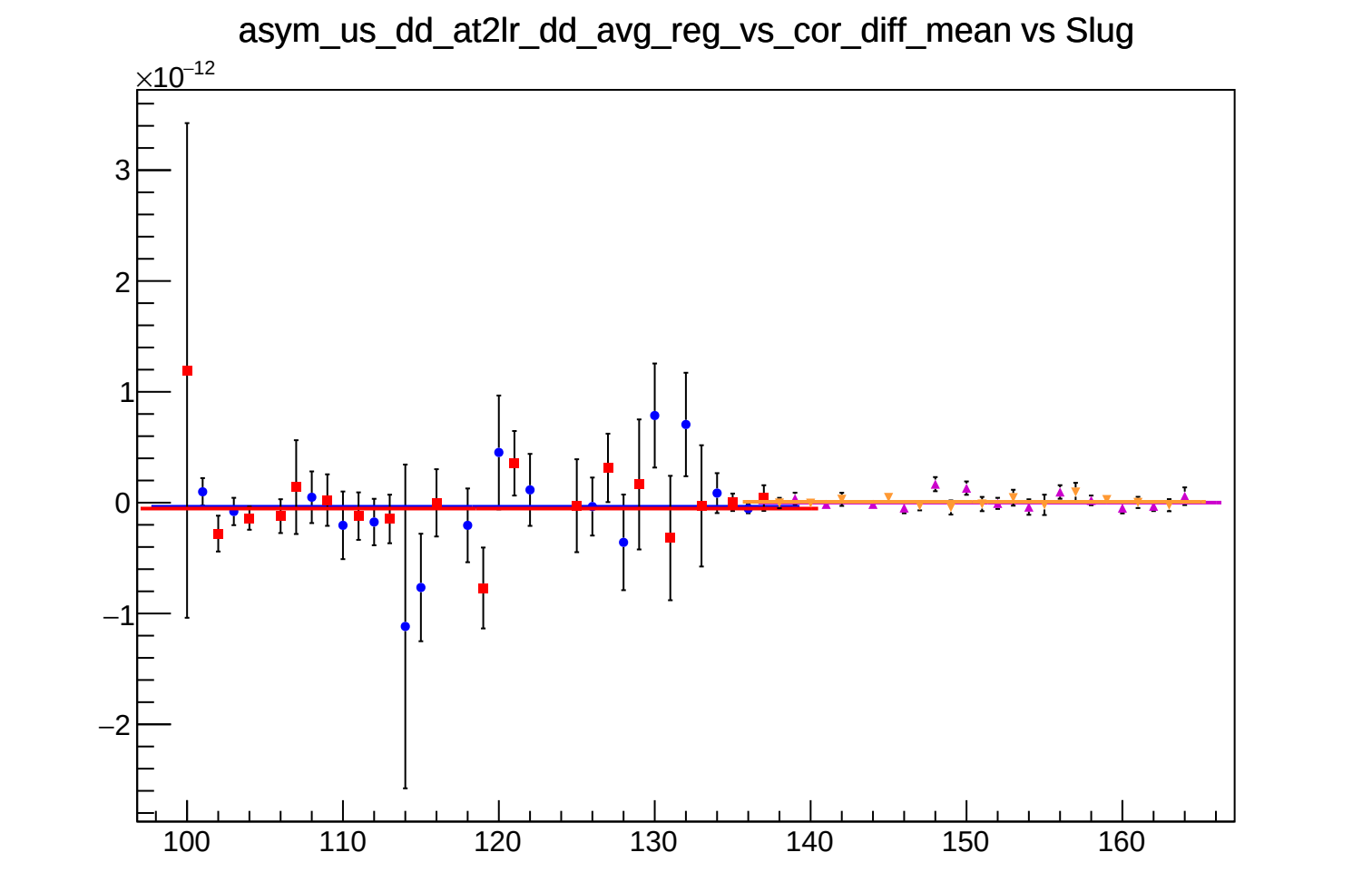
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

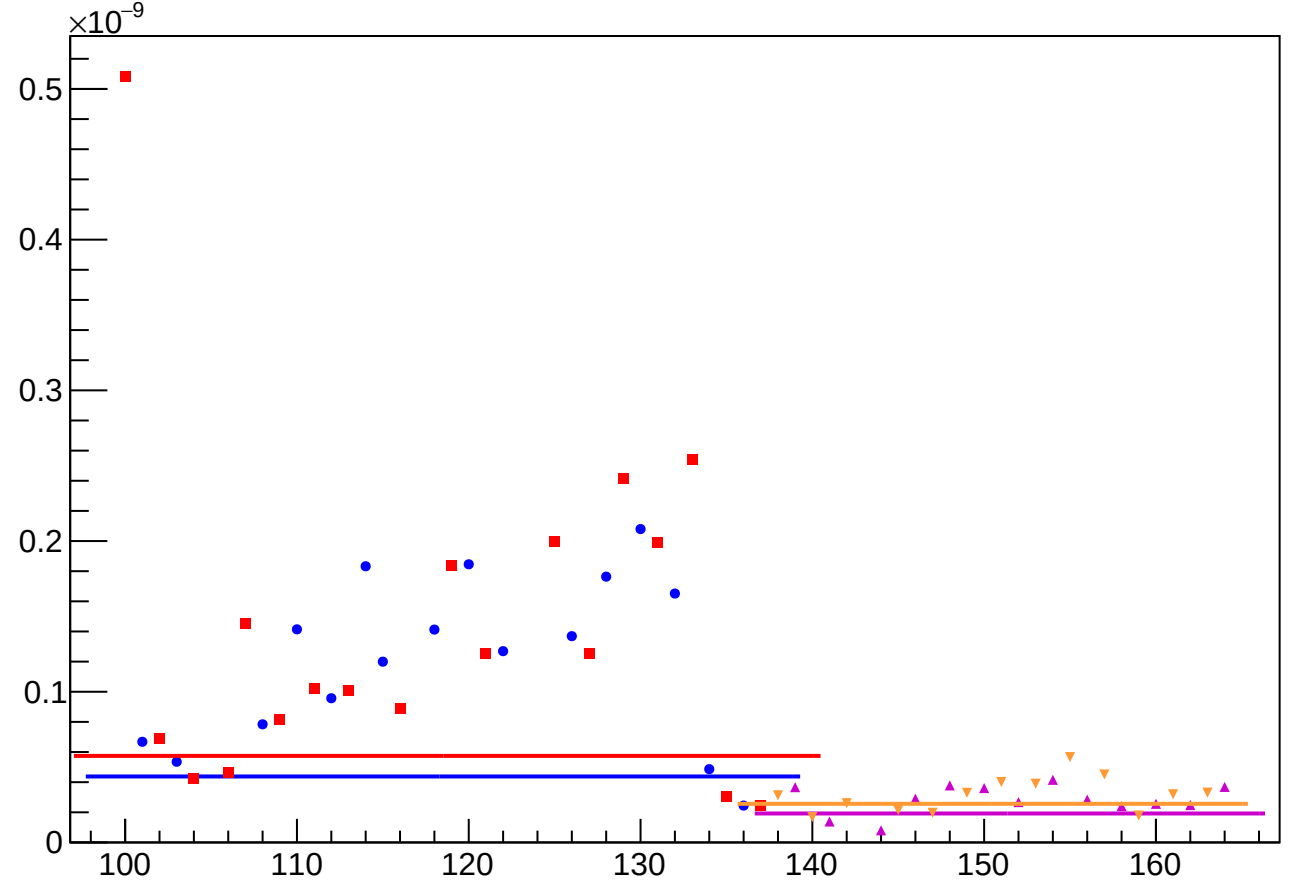
Left In: 2619.922+/-0.560 χ^2/NDF:15175.6/12

+ sign 2827.840+/-0.482 χ^2/NDF: 770001.3/28

All: 2809.009+/-0.336 χ^2/NDF: 1603828.2/59

- 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:5.0/12
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: 19.7/28
All: -0.000+/-0.000 χ²/NDF: 52.9/59
- sign -0.000+/-0.000 χ²/NDF: 33.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:957120.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

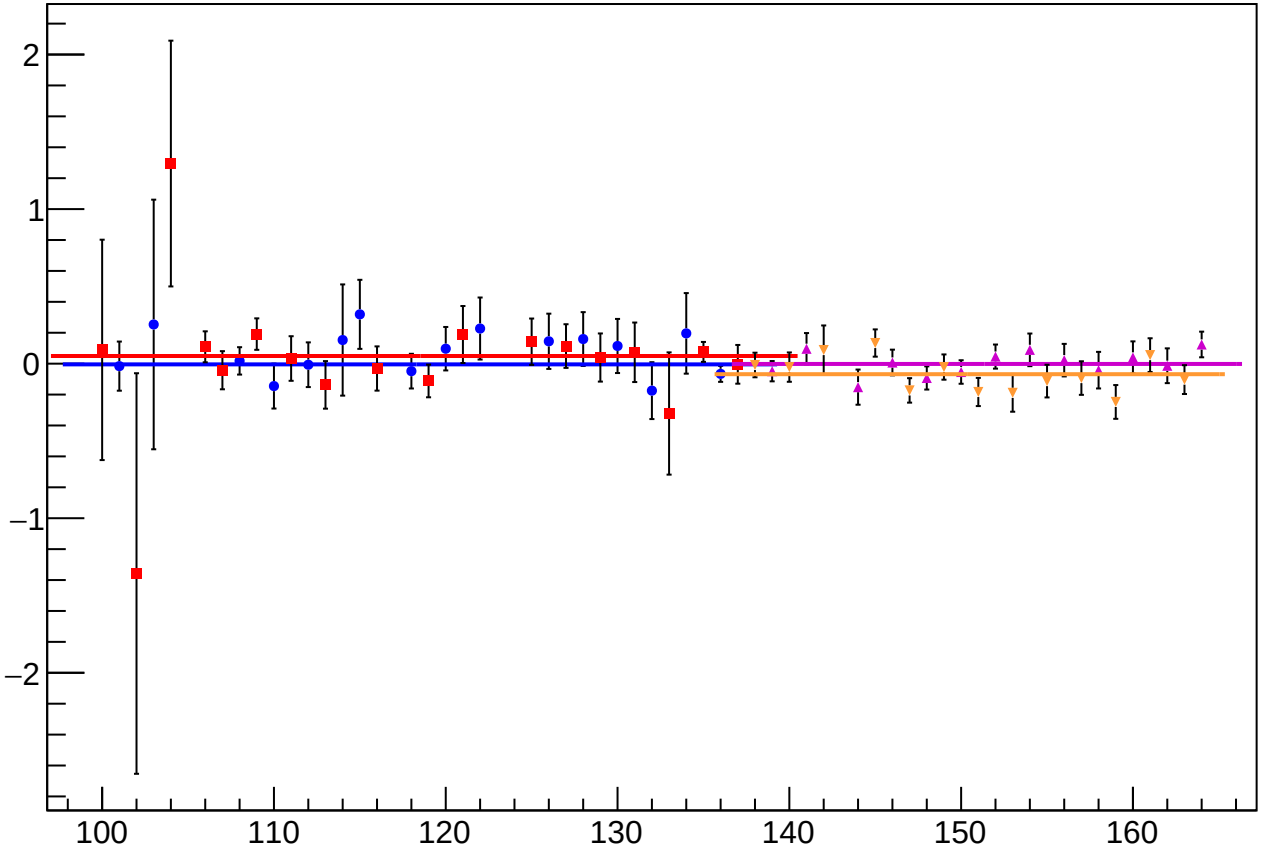
Left In: 0.000+/-0.000 χ^2/NDF:1952474.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3668937.9/28

All: 0.000+/-0.000 χ^2/NDF: 9471230.1/59

- sign 0.000+/-0.000 χ^2/NDF: 5496658.8/30

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

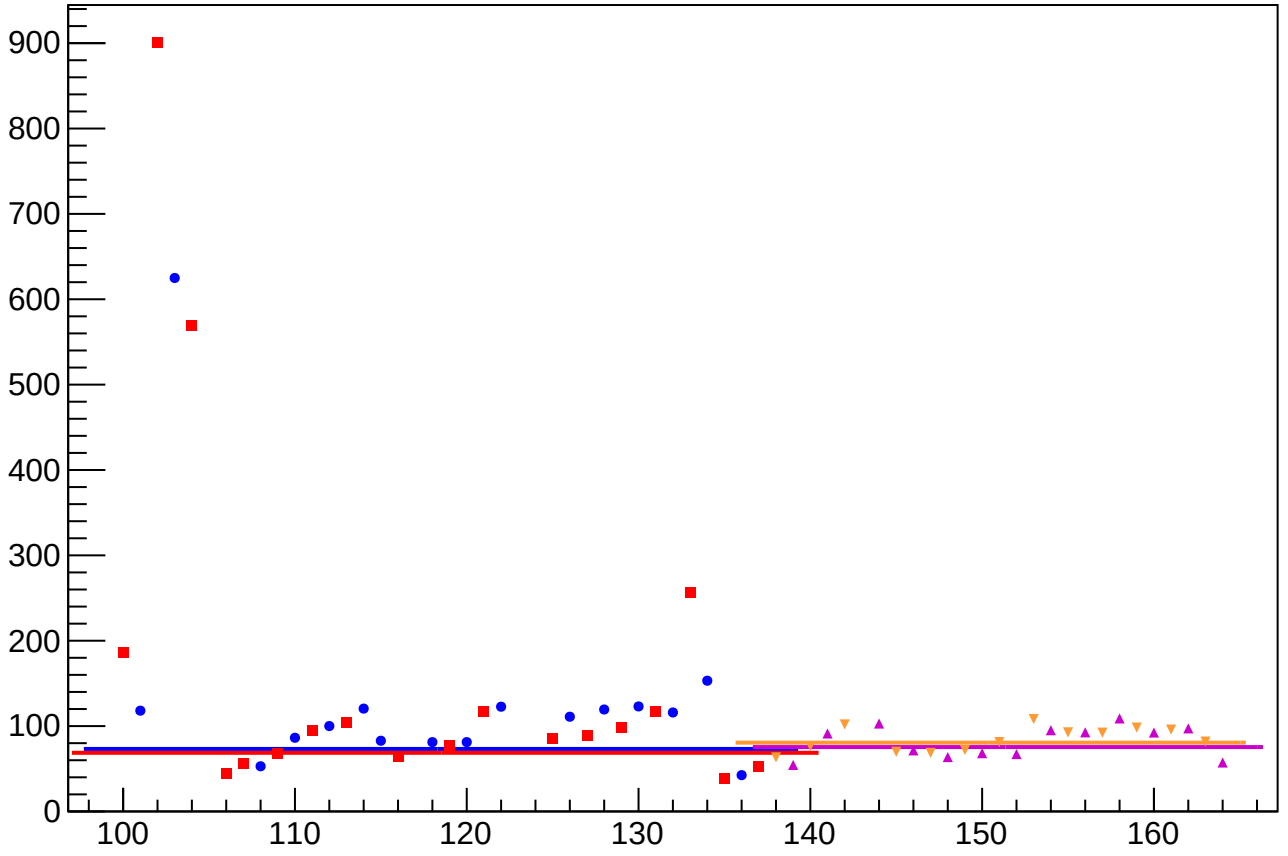
Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.011+/-0.014 χ^2/NDF: 56.6/59

- 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: 80.615+/-0.019 χ^2/NDF:474445.7/12

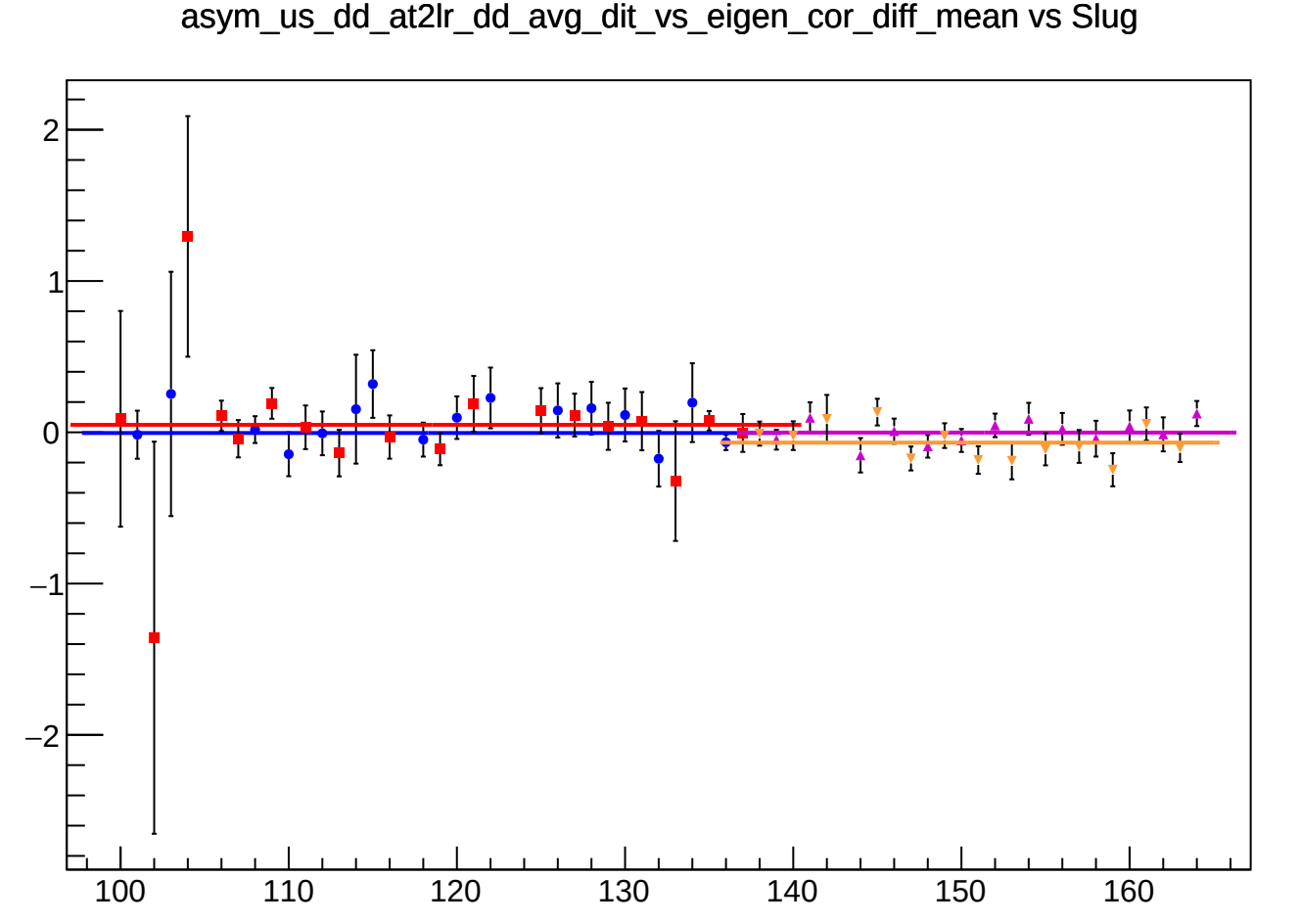
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

+ sign 77.596+/-0.015 χ^2/NDF: 3391036.0/28

All: 75.110+/-0.010 χ^2/NDF: 7804303.5/59

- 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: -0.068+/-0.027 χ^2/NDF:16.0/12

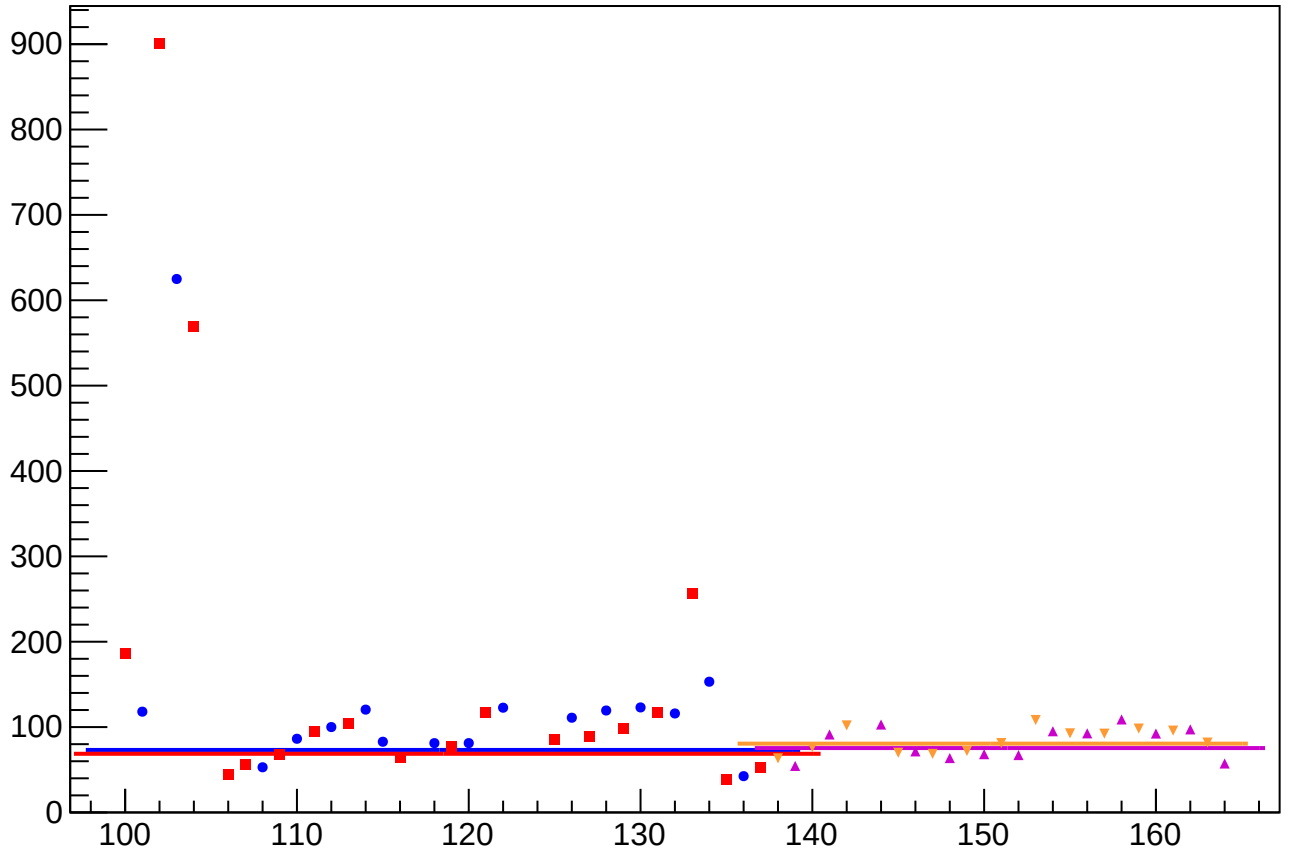
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.011+/-0.014 χ^2/NDF: 56.6/59

- 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: 80.615+/-0.019 χ^2/NDF:474445.7/12

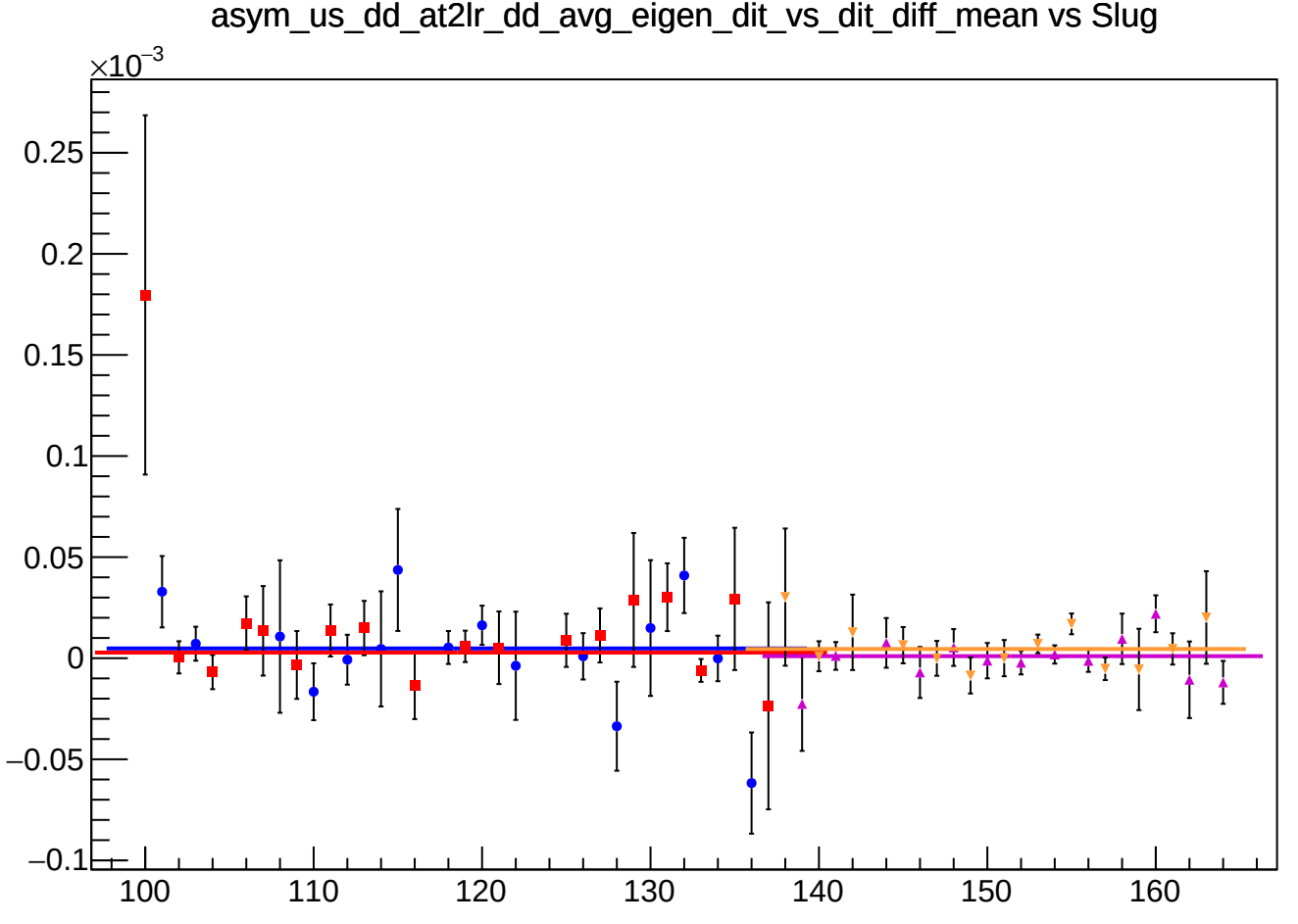
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

+ sign 77.596+/-0.015 χ^2/NDF: 3391036.0/28

All: 75.110+/-0.010 χ^2/NDF: 7804303.5/59

- 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:13.7/12

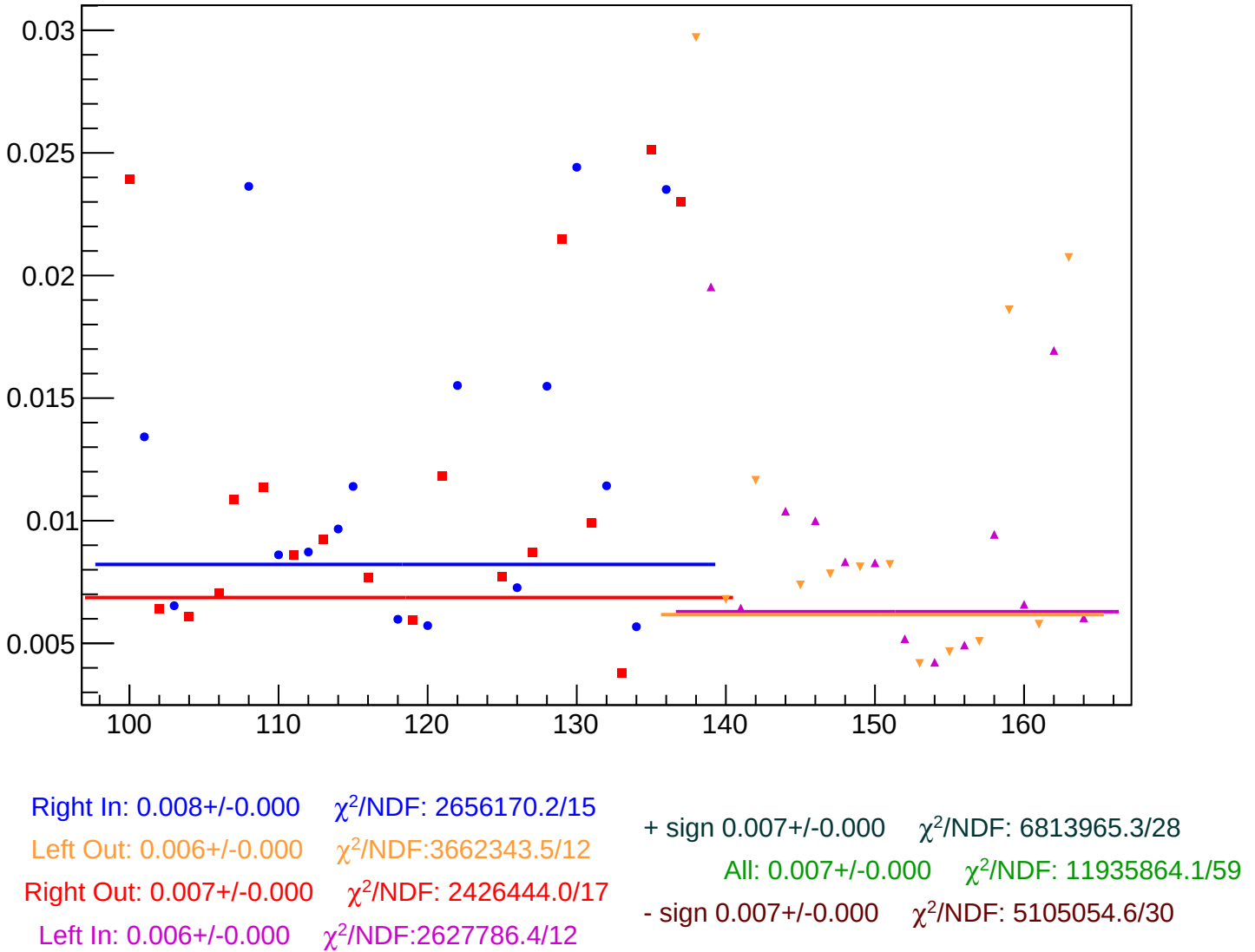
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

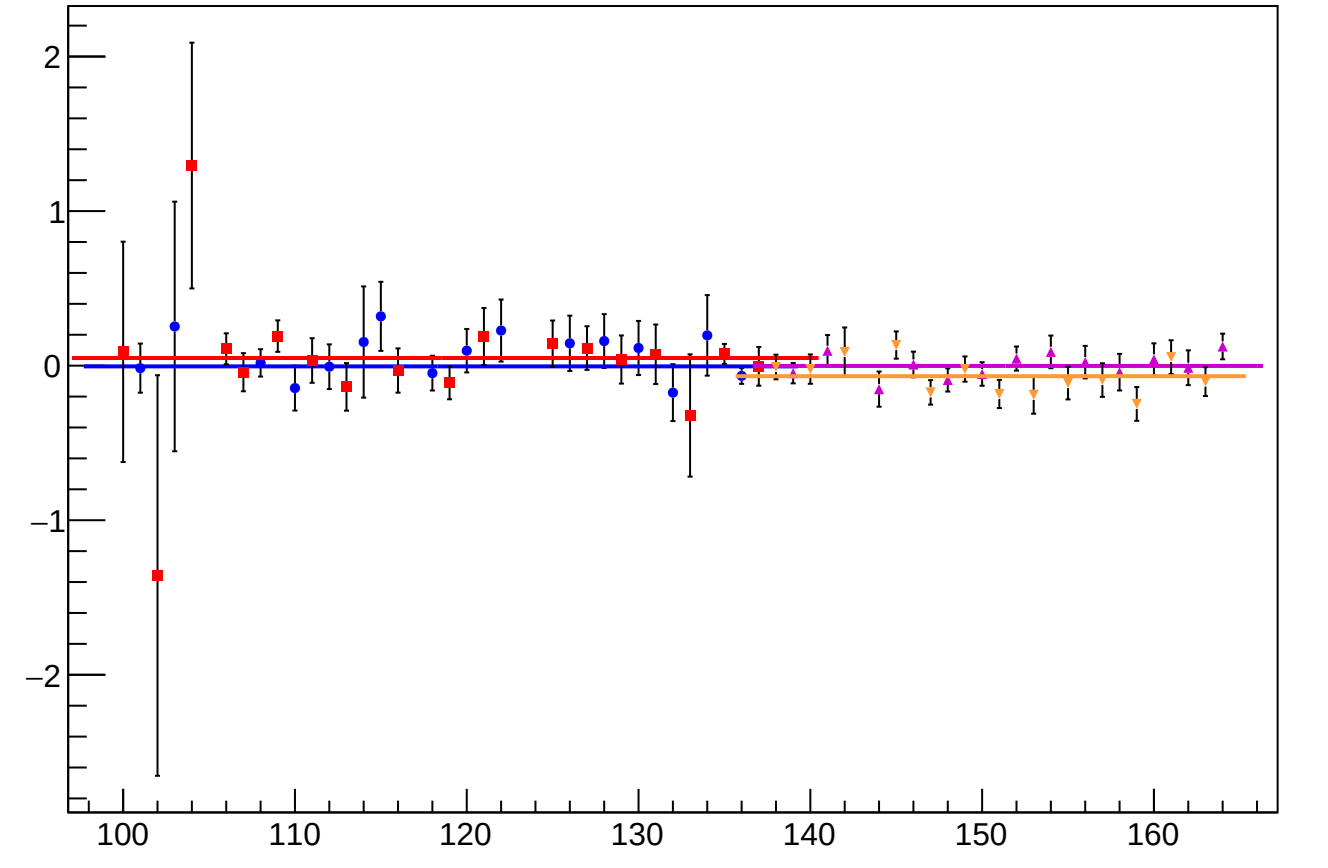
Left In: 0.000+/-0.000 χ^2/NDF:10.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/28

All: 0.000+/-0.000 χ^2/NDF: 64.9/59

- sign 0.000+/-0.000 χ^2/NDF: 27.2/30


asym_us_dd_at2lr_dd_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: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.006+/-0.000 χ²/NDF:3662343.5/12
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.006+/-0.000 χ²/NDF:2627786.4/12
+ sign 0.007+/-0.000 χ²/NDF: 6813965.3/28
All: 0.007+/-0.000 χ²/NDF: 11935864.1/59
- sign 0.007+/-0.000 χ²/NDF: 5105054.6/30



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.068+/-0.027 χ^2/NDF:16.0/12

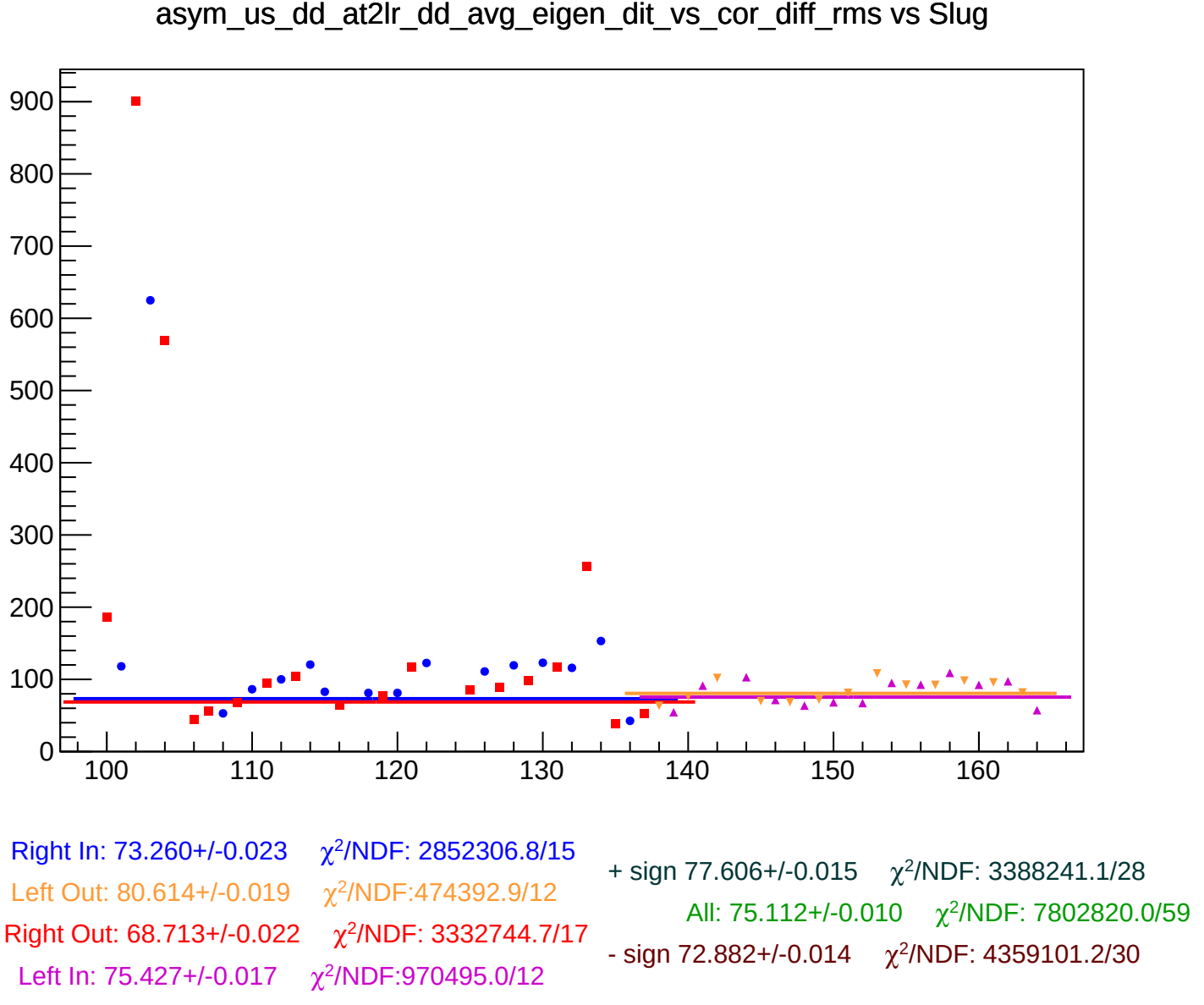
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

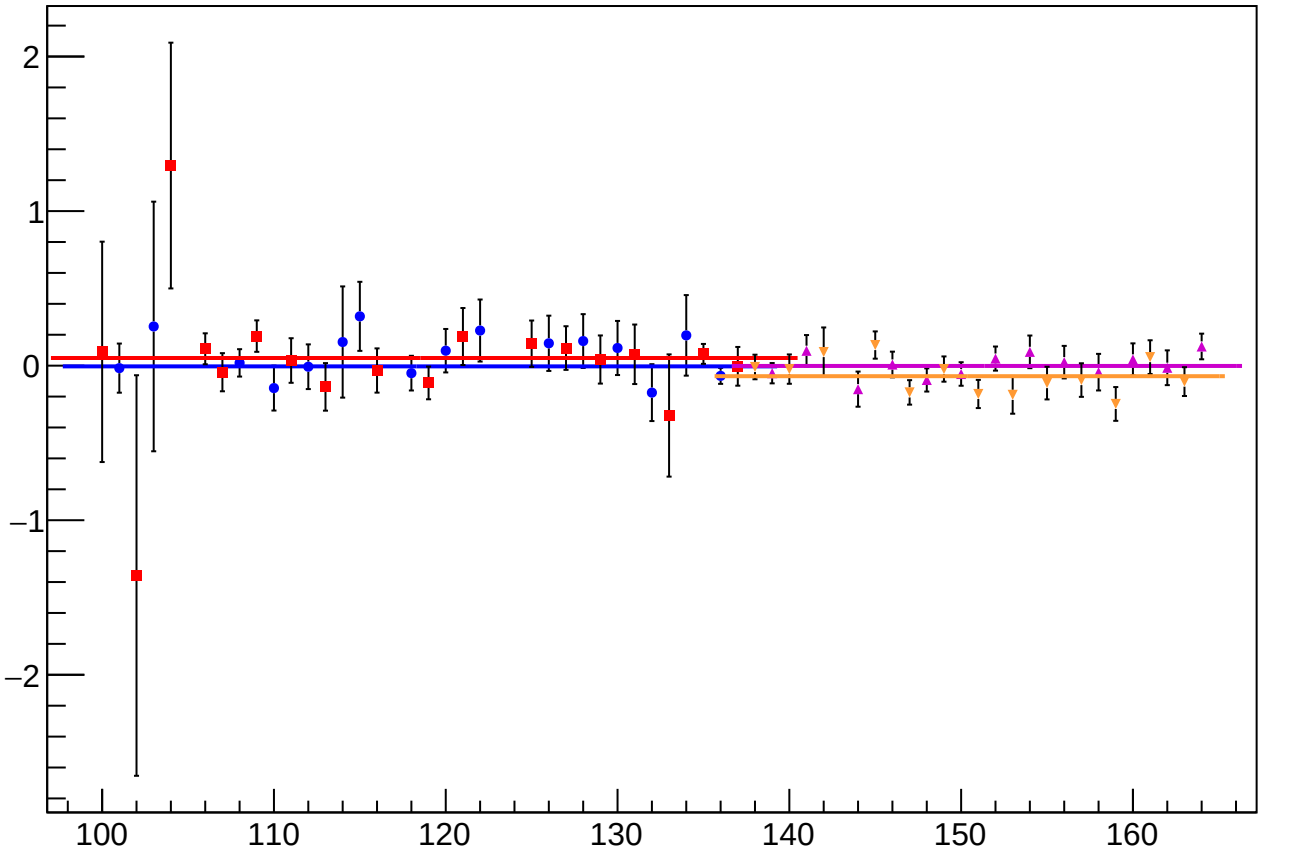
Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.011+/-0.014 χ^2/NDF: 56.6/59

- 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: 80.614+/-0.019 χ²/NDF:474392.9/12
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 75.427+/-0.017 χ²/NDF:970495.0/12
+ sign 77.606+/-0.015 χ²/NDF: 3388241.1/28
All: 75.112+/-0.010 χ²/NDF: 7802820.0/59
- sign 72.882+/-0.014 χ²/NDF: 4359101.2/30



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

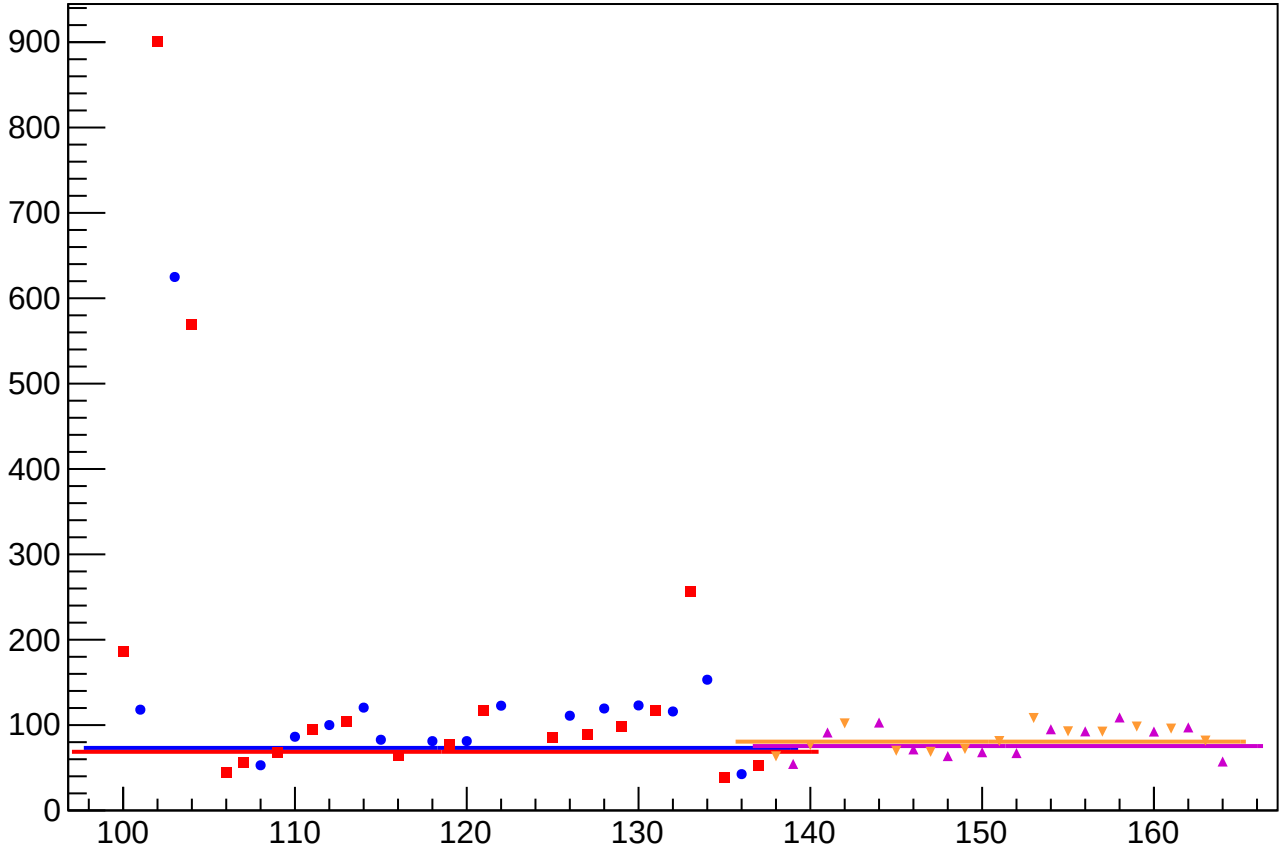
Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.011+/-0.014 χ^2/NDF: 56.6/59

- 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: 80.614+/-0.019 χ^2/NDF:474392.9/12

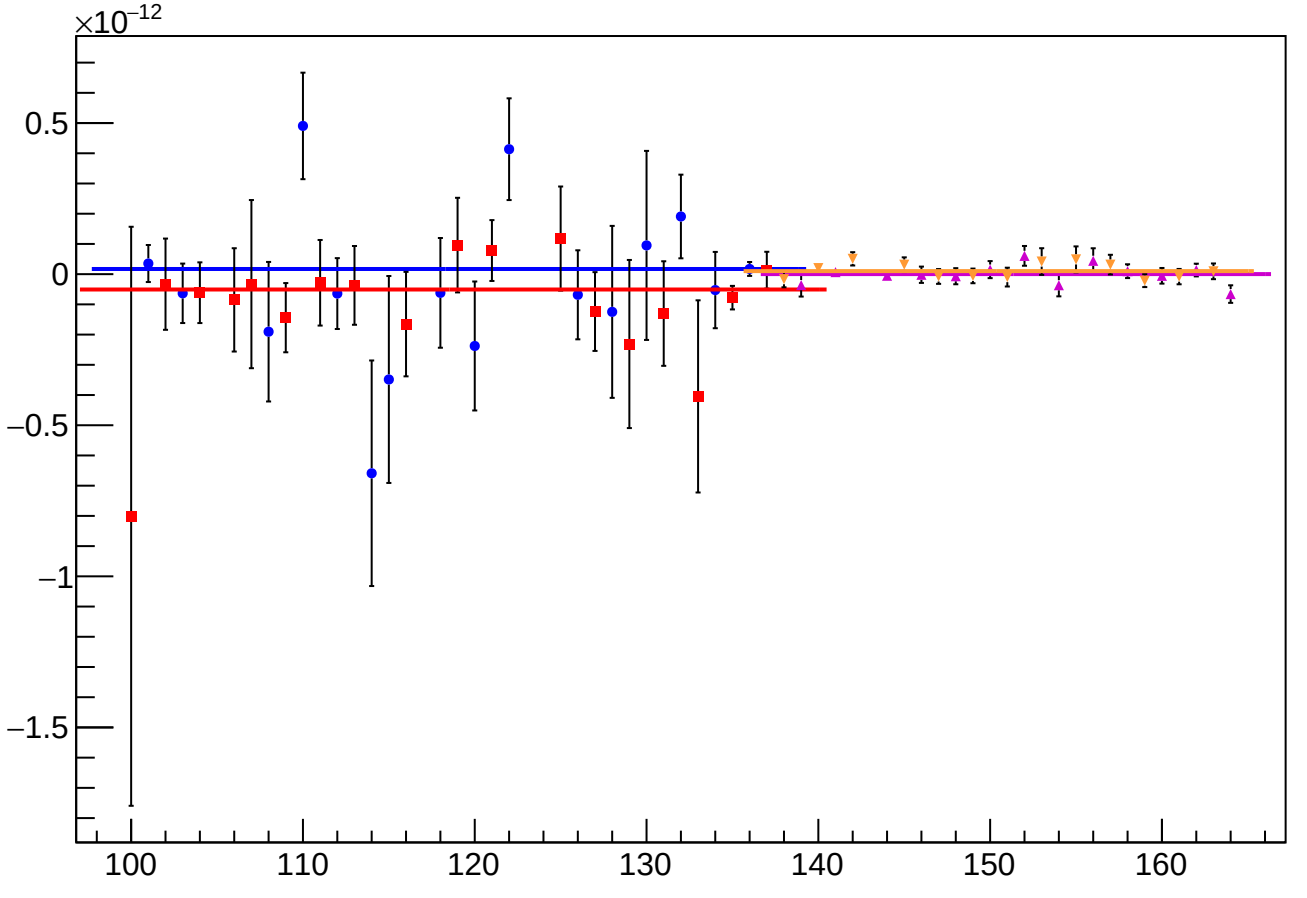
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

+ sign 77.606+/-0.015 χ^2/NDF: 3388241.1/28

All: 75.112+/-0.010 χ^2/NDF: 7802820.0/59

- 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:11.4/12

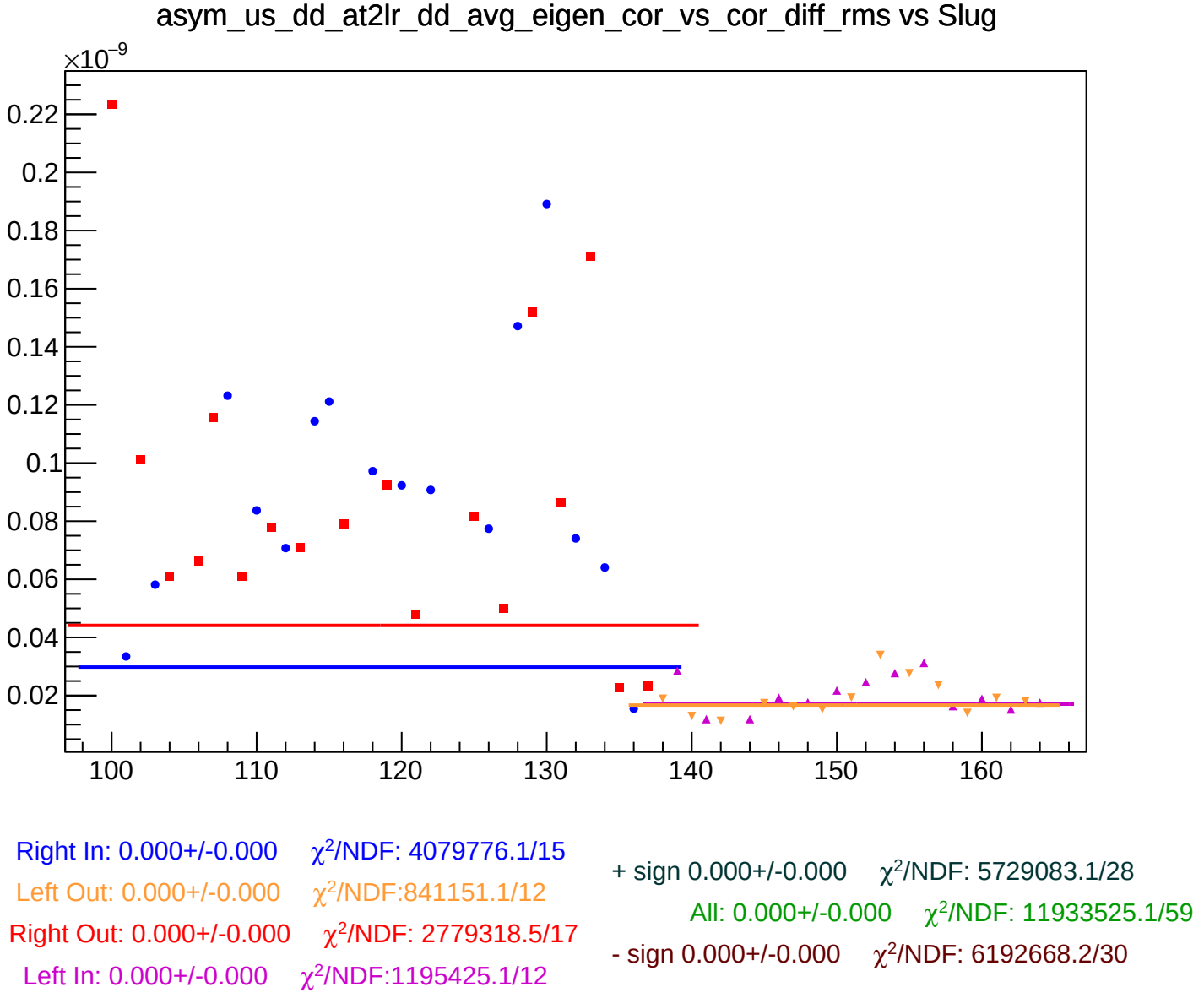
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

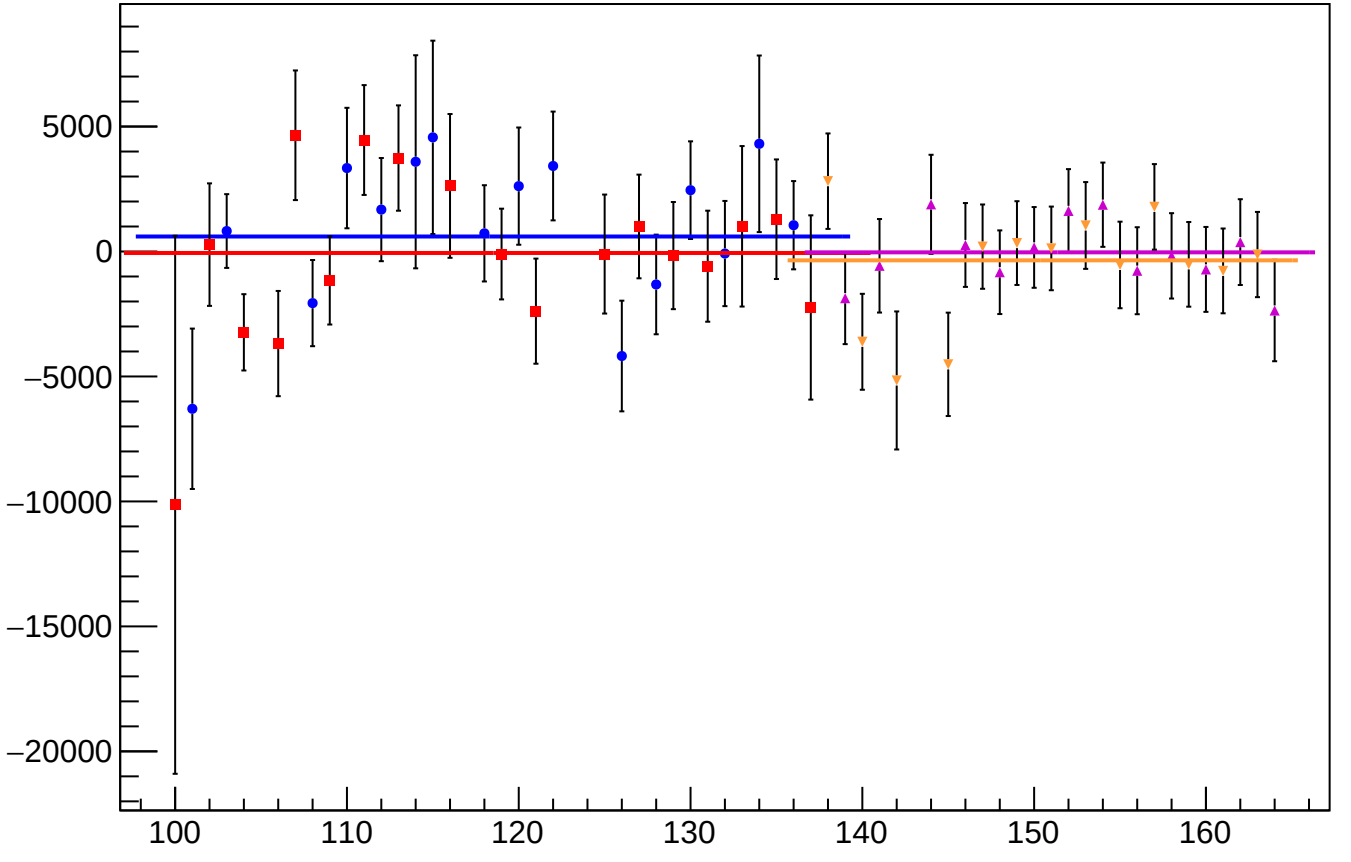
+ sign 0.000+/-0.000 χ^2/NDF: 34.8/28

All: 0.000+/-0.000 χ^2/NDF: 63.1/59

- 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:841151.1/12
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: 5729083.1/28
All: 0.000+/-0.000 χ²/NDF: 11933525.1/59
- 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: -353.948+/-498.636 χ^2/NDF:15.4/12

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

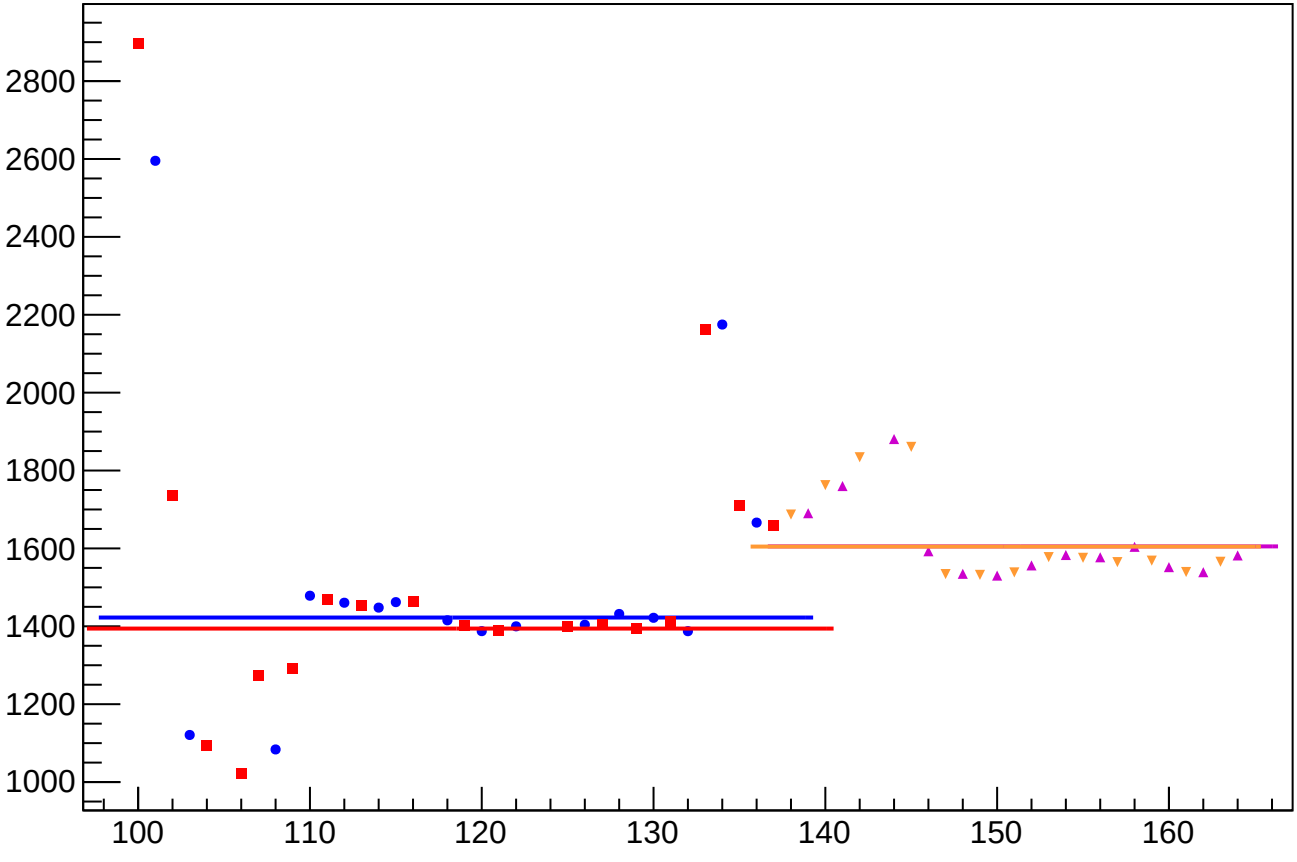
Left In: -33.984+/-485.473 χ^2/NDF:6.3/12

+ sign 85.116+/-366.357 χ^2/NDF: 37.4/28

All: 18.345+/-256.067 χ^2/NDF: 66.3/59

- 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: 1604.724+/-0.353 χ^2/NDF:79115.9/12

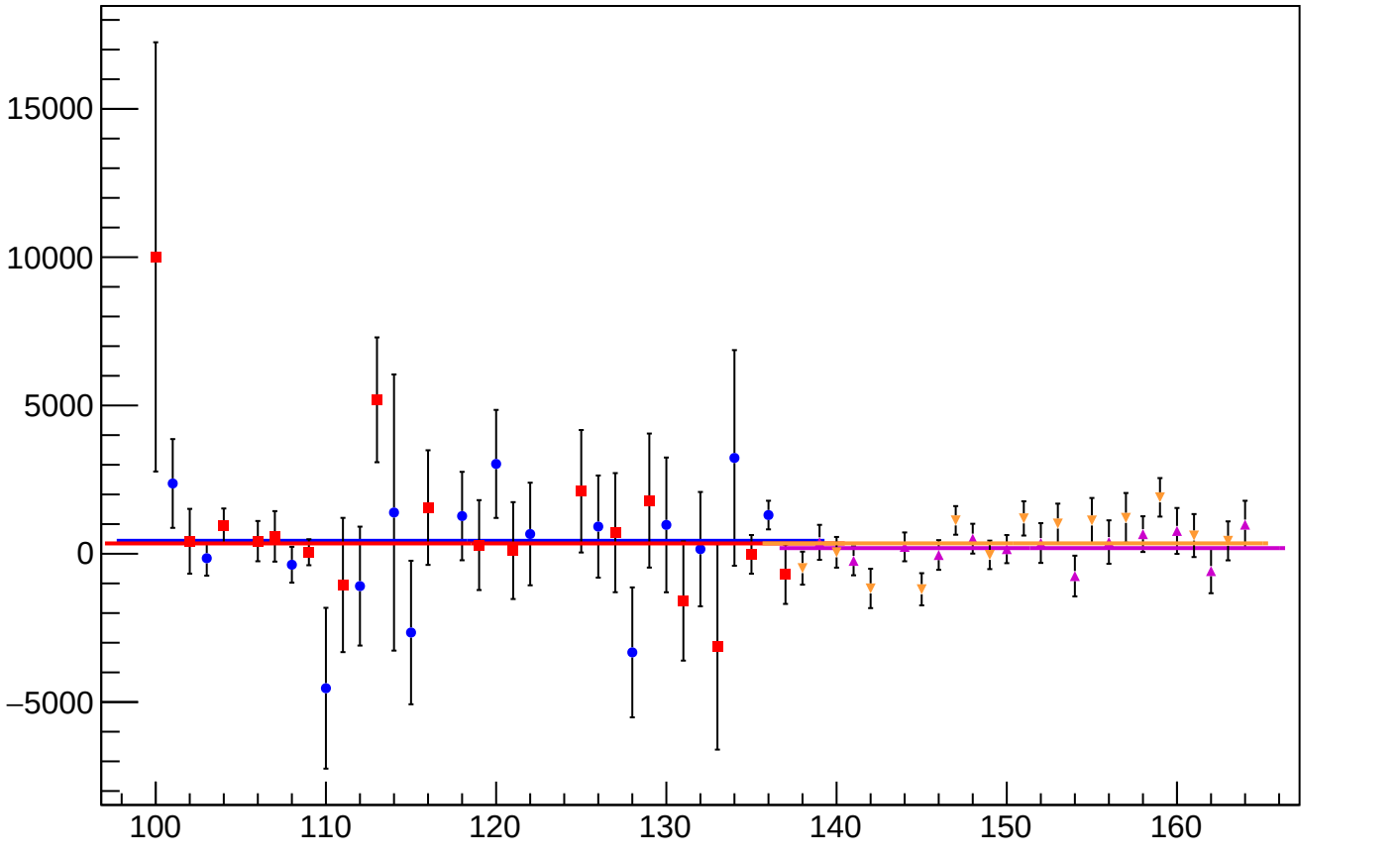
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.3/28

All: 1514.780+/-0.181 χ^2/NDF: 1401778.6/59

- 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: 350.918+/-166.167 χ^2/NDF:30.3/12

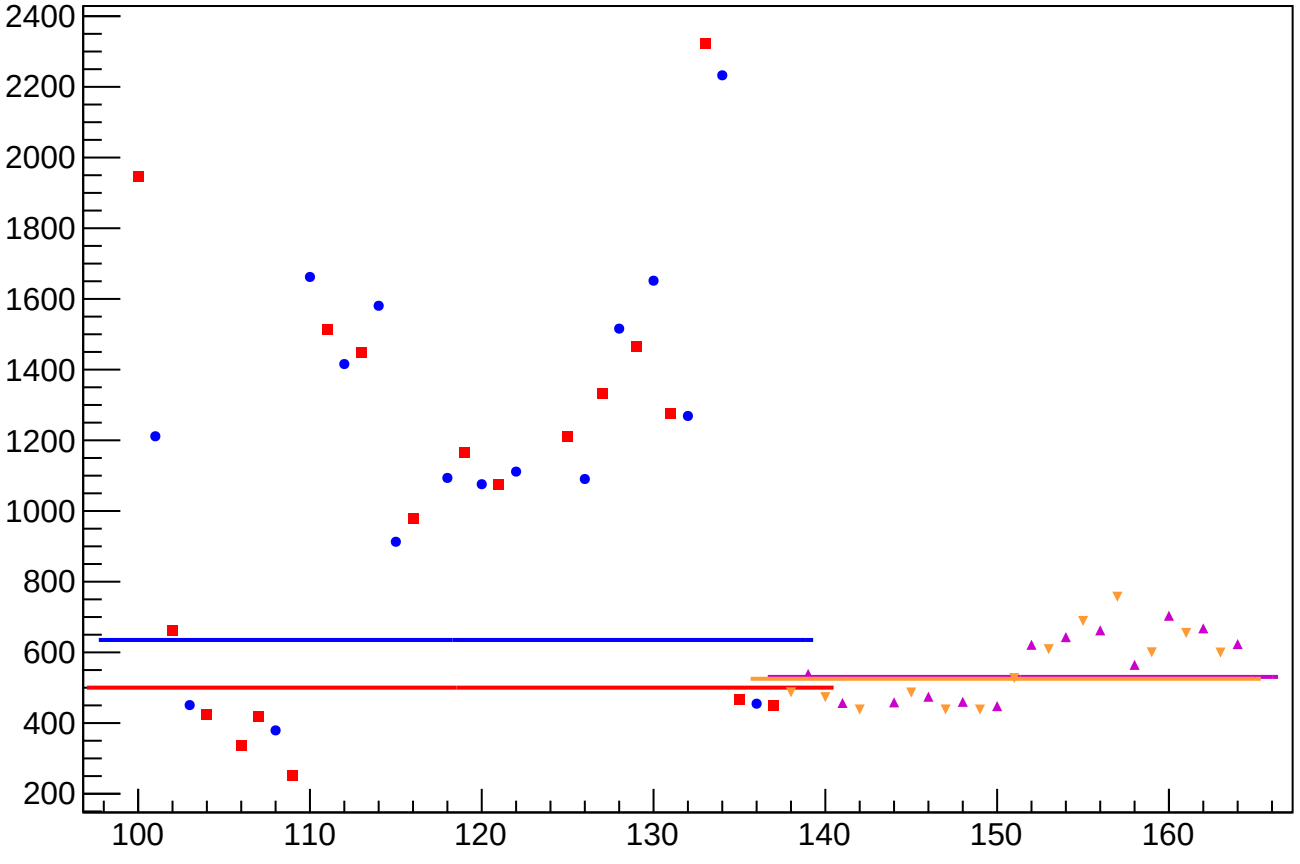
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 190.009+/-162.873 χ^2/NDF:6.8/12

\+ sign 373.699+/-142.346 χ^2/NDF: 49.7/28

All: 303.605+/-97.427 χ^2/NDF: 71.1/59

\- sign 241.832+/-133.632 χ^2/NDF: 21.0/30



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 525.325+/-0.117 χ^2/NDF:597900.1/12

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

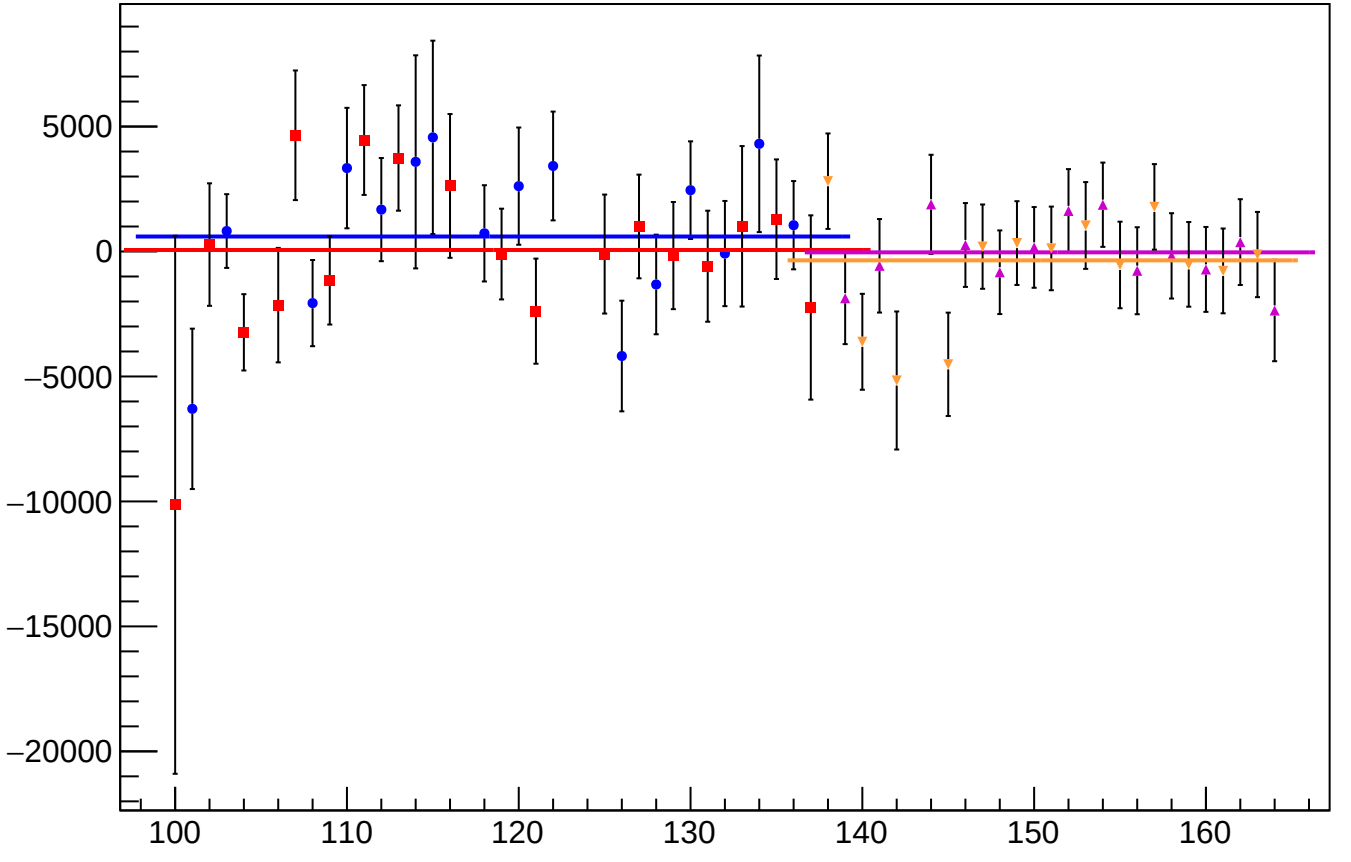
Left In: 530.639+/-0.115 χ^2/NDF:571198.1/12

+ sign 554.551+/-0.101 χ^2/NDF: 4582950.8/28

All: 536.558+/-0.069 χ^2/NDF: 9546145.5/59

- 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: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

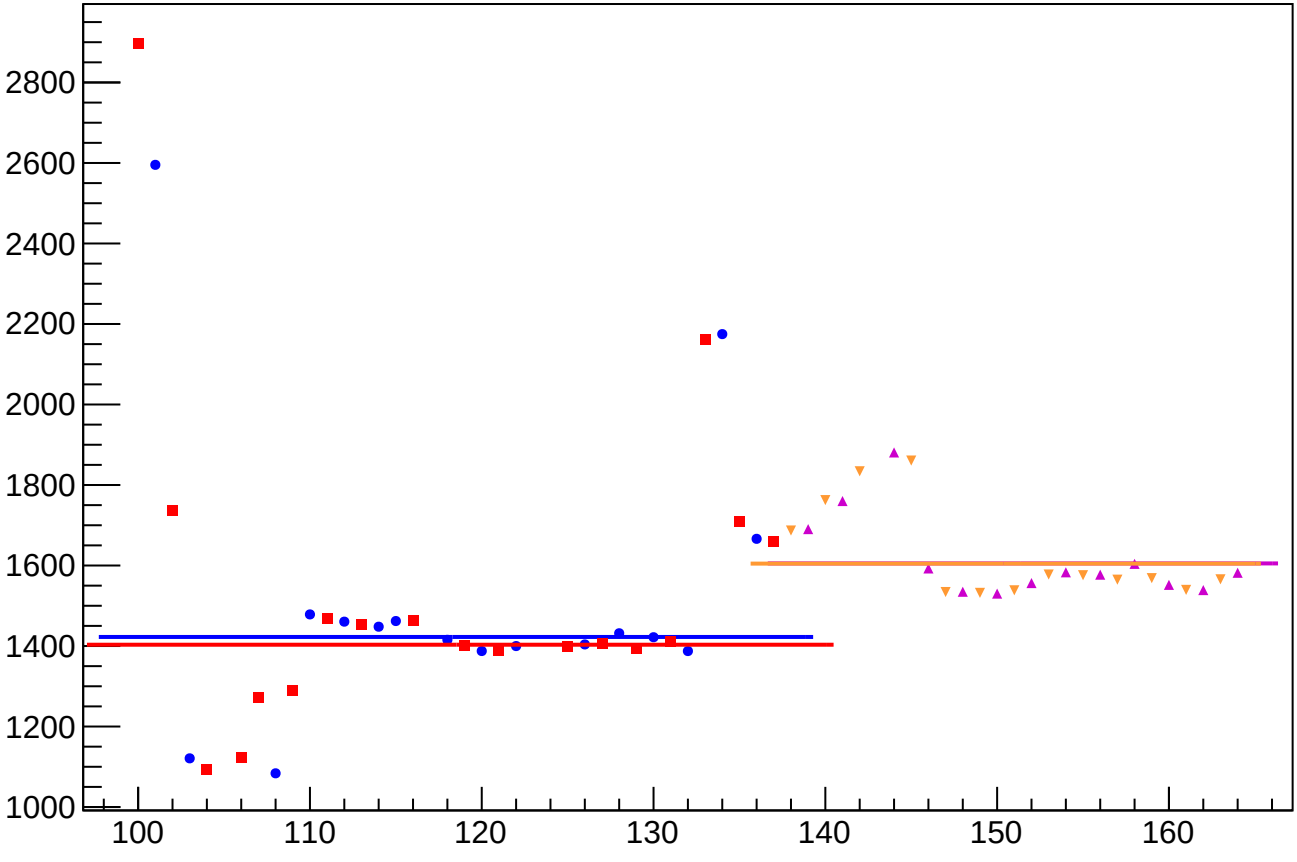
Left In: -33.959+/-485.473 χ^2/NDF:6.3/12

+ sign 84.985+/-366.357 χ^2/NDF: 37.4/28

All: 46.117+/-256.361 χ^2/NDF: 64.1/59

- 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: 1604.724+/-0.353 χ^2/NDF:79115.9/12

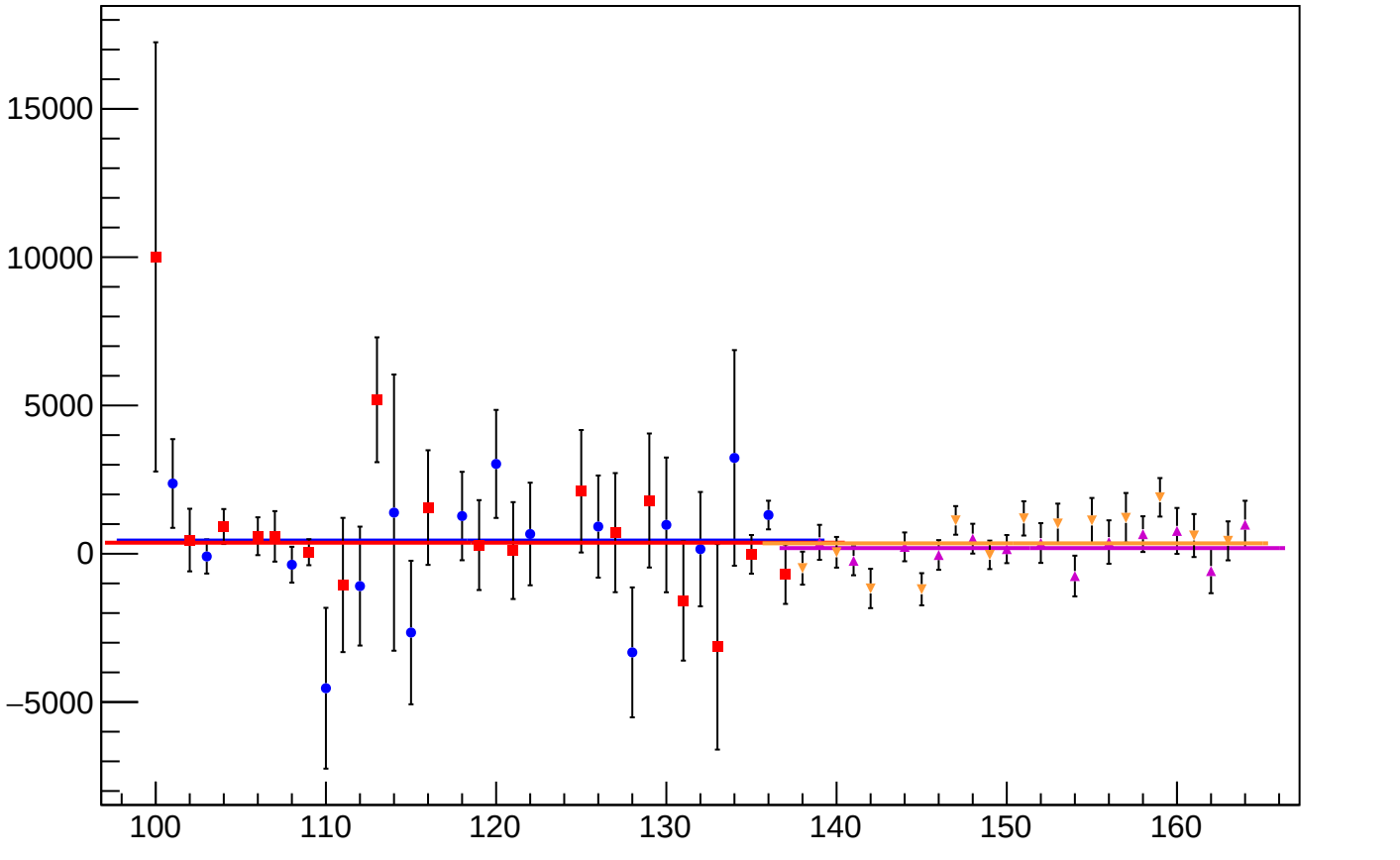
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.7/28

All: 1517.152+/-0.181 χ^2/NDF: 1351239.8/59

- 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: 350.951+/-166.169 χ^2/NDF:30.3/12

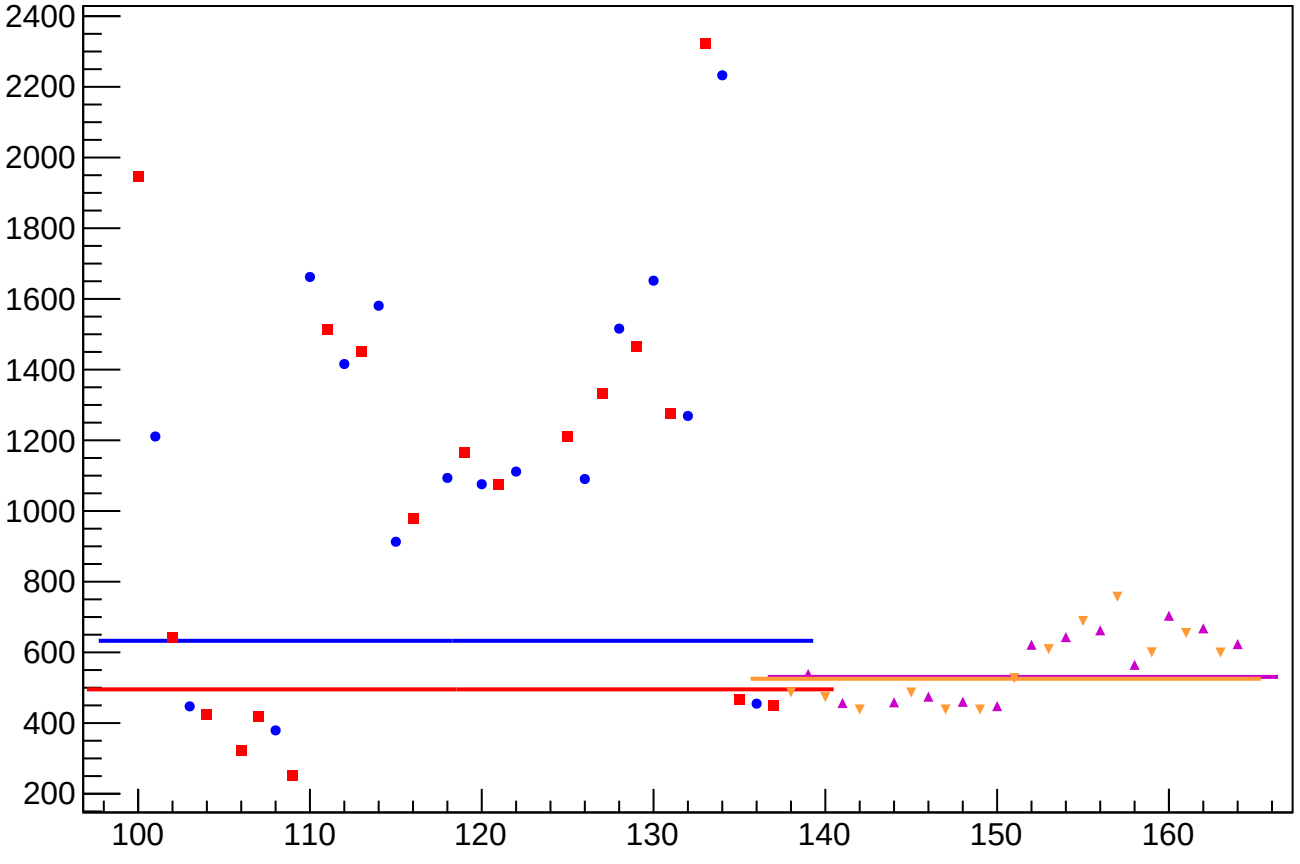
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 190.073+/-162.872 χ^2/NDF:6.7/12

\+ sign 376.173+/-142.185 χ^2/NDF: 49.5/28

All: 309.251+/-97.200 χ^2/NDF: 71.1/59

\- 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: 525.333+/-0.117 χ^2/NDF:597792.3/12

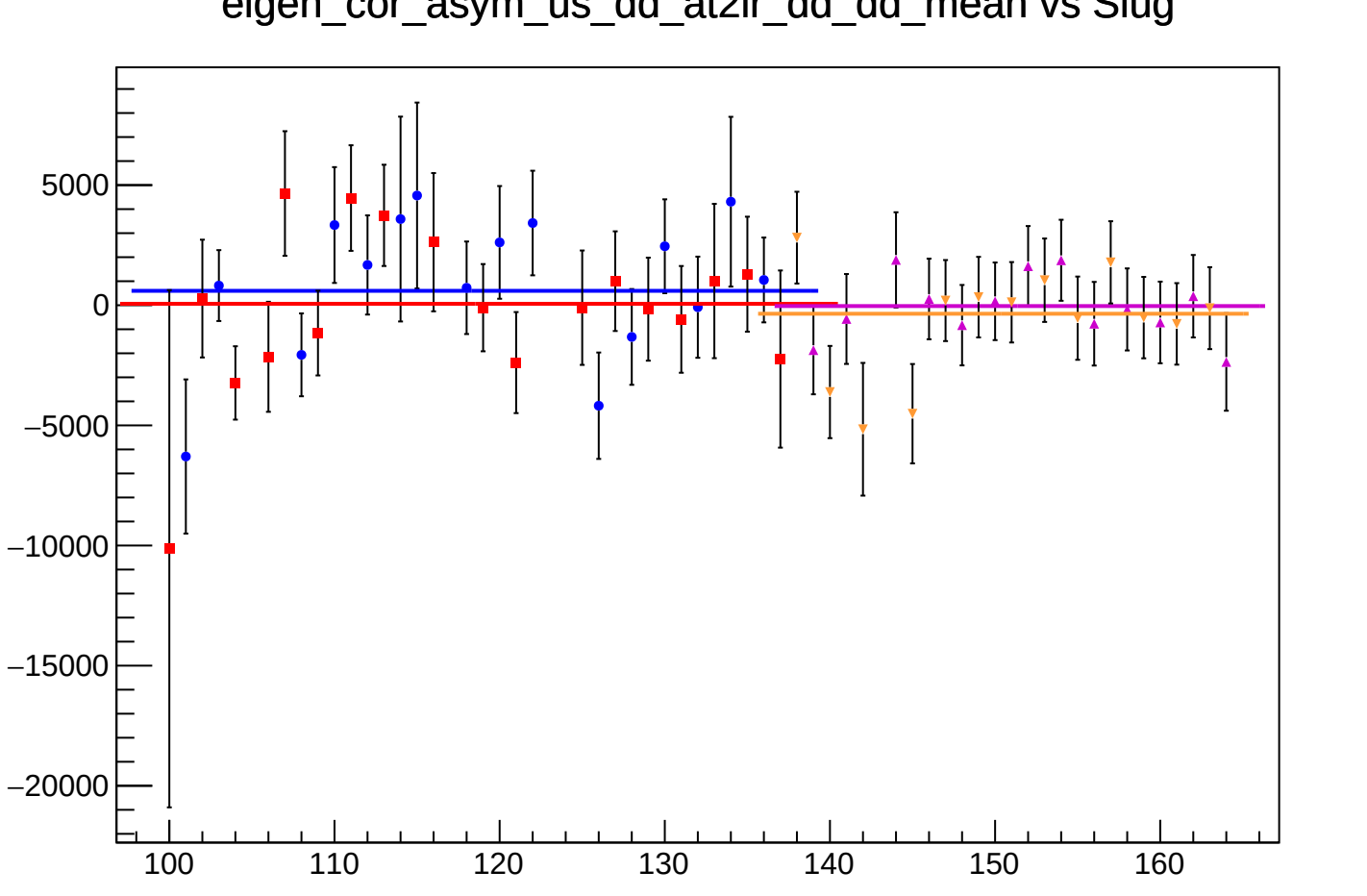
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

+ sign 554.104+/-0.101 χ^2/NDF: 4589382.0/28

All: 535.379+/-0.069 χ^2/NDF: 9594269.4/59

- 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: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

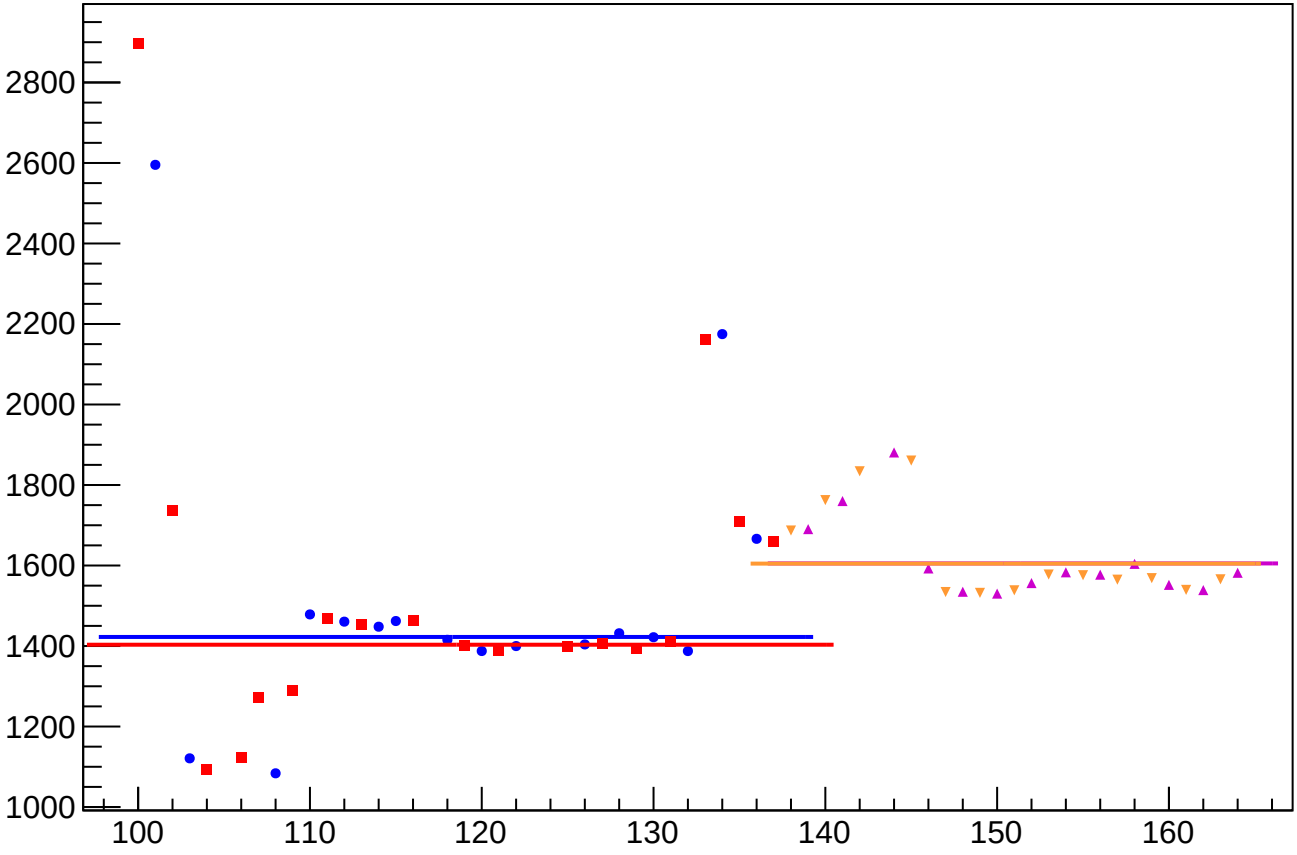
Left In: -33.959+/-485.473 χ^2/NDF:6.3/12

+ sign 84.985+/-366.357 χ^2/NDF: 37.4/28

All: 46.117+/-256.361 χ^2/NDF: 64.1/59

- 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: 1604.724+/-0.353 χ^2/NDF:79115.9/12

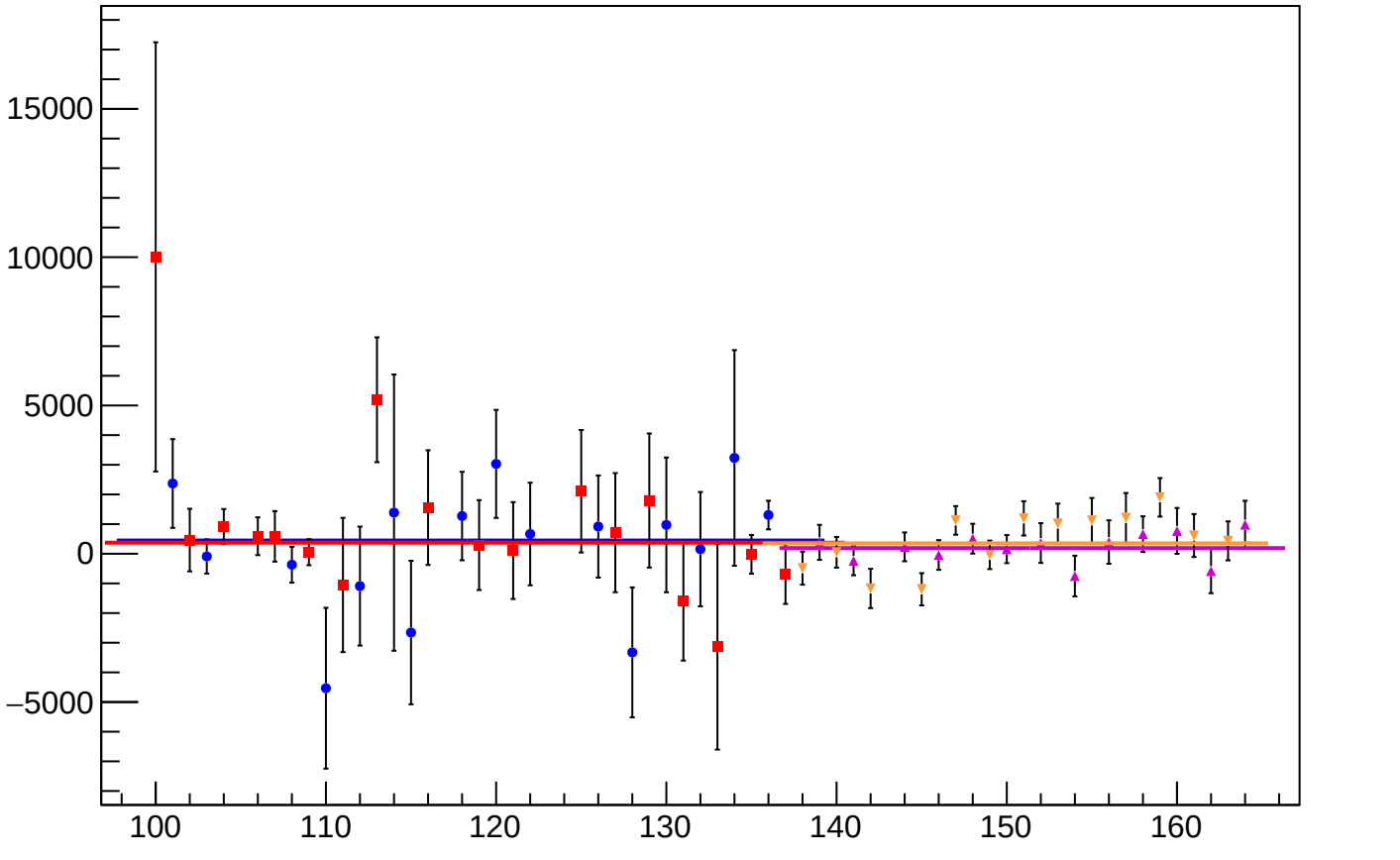
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.7/28

All: 1517.152+/-0.181 χ^2/NDF: 1351239.8/59

- 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: 350.951+/-166.169 χ^2/NDF:30.3/12

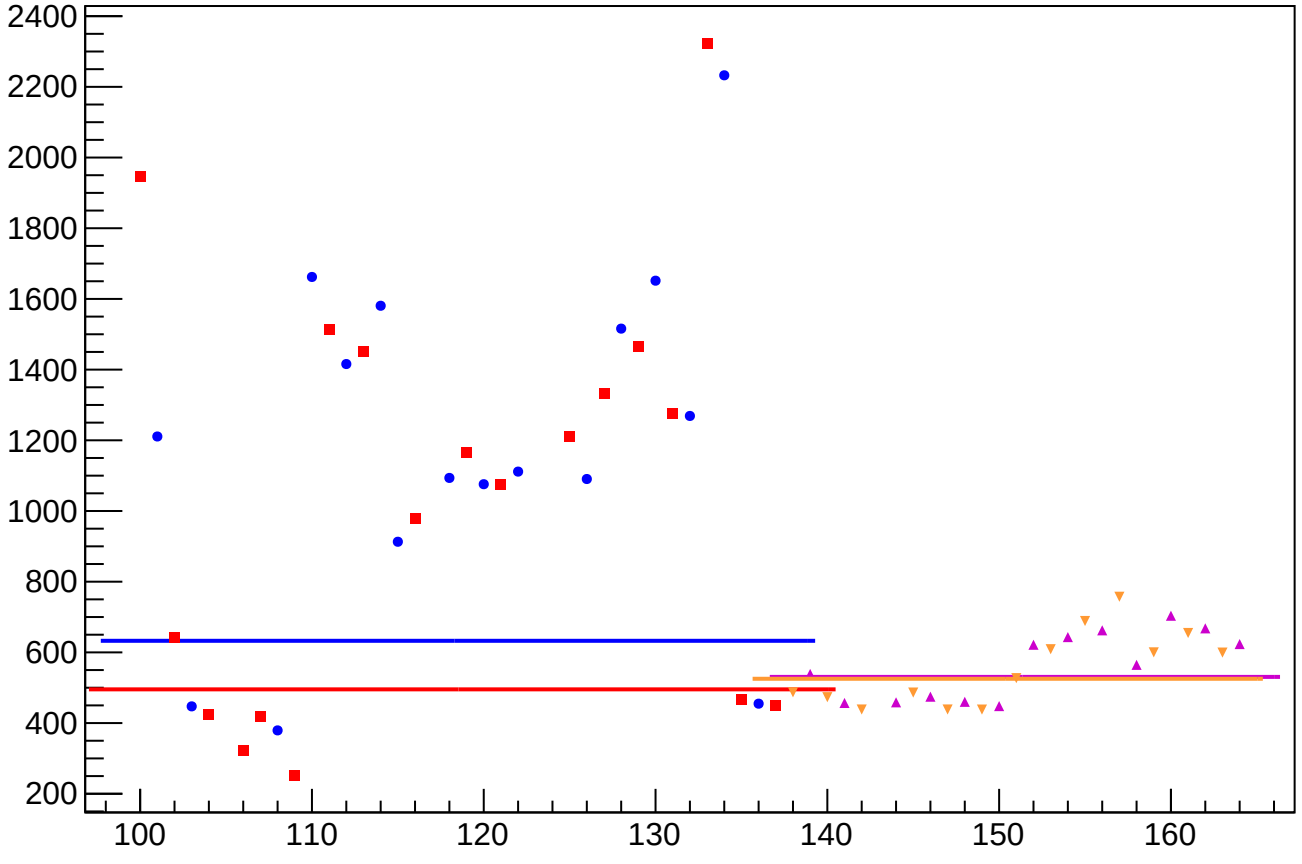
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 190.073+/-162.872 χ^2/NDF:6.7/12

\+ sign 376.173+/-142.185 χ^2/NDF: 49.5/28

All: 309.251+/-97.200 χ^2/NDF: 71.1/59

\- 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: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

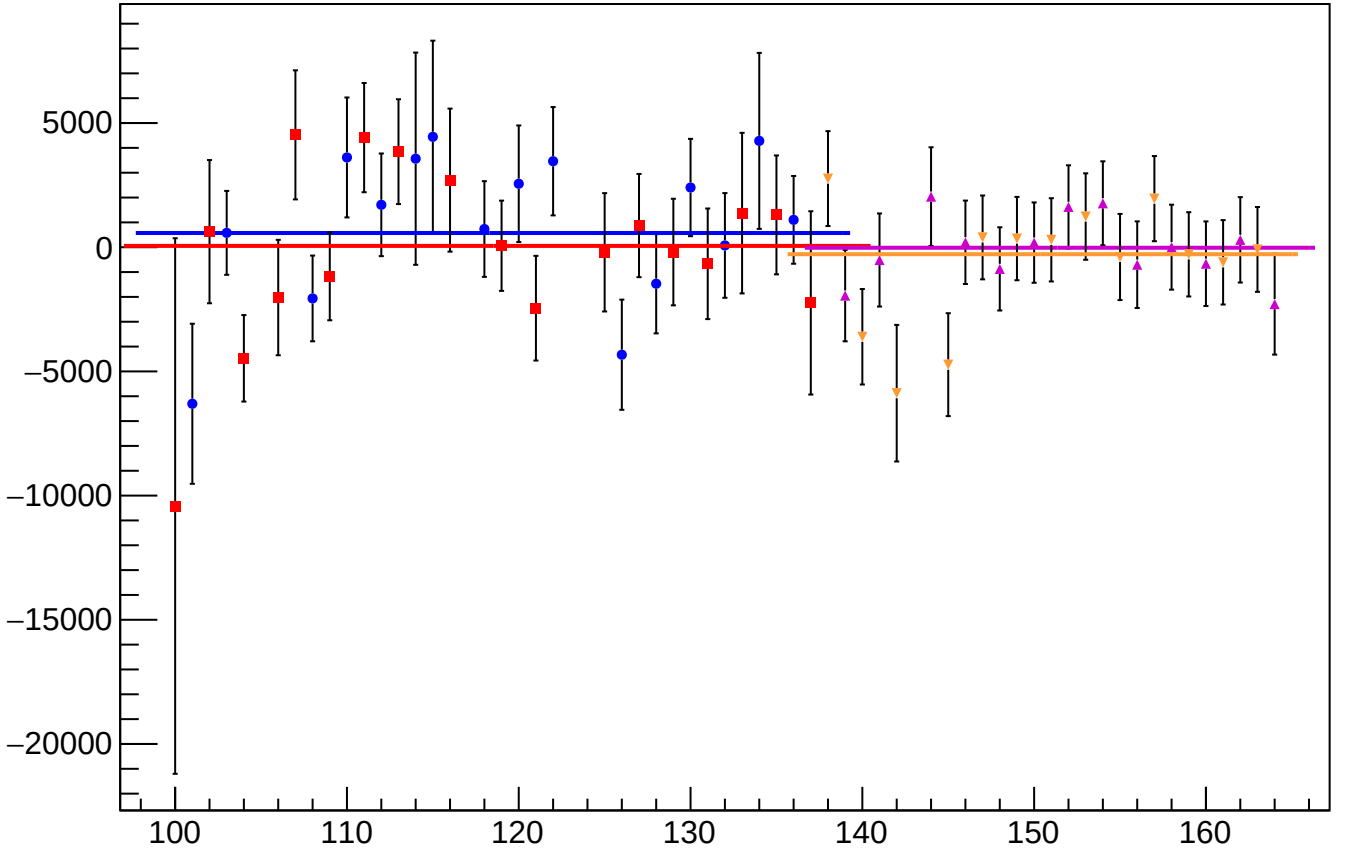
Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

+ sign 554.104+/-0.101 χ^2/NDF: 4589382.0/28

All: 535.379+/-0.069 χ^2/NDF: 9594269.4/59

- 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: -280.681+/-499.273 χ^2/NDF:17.2/12

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

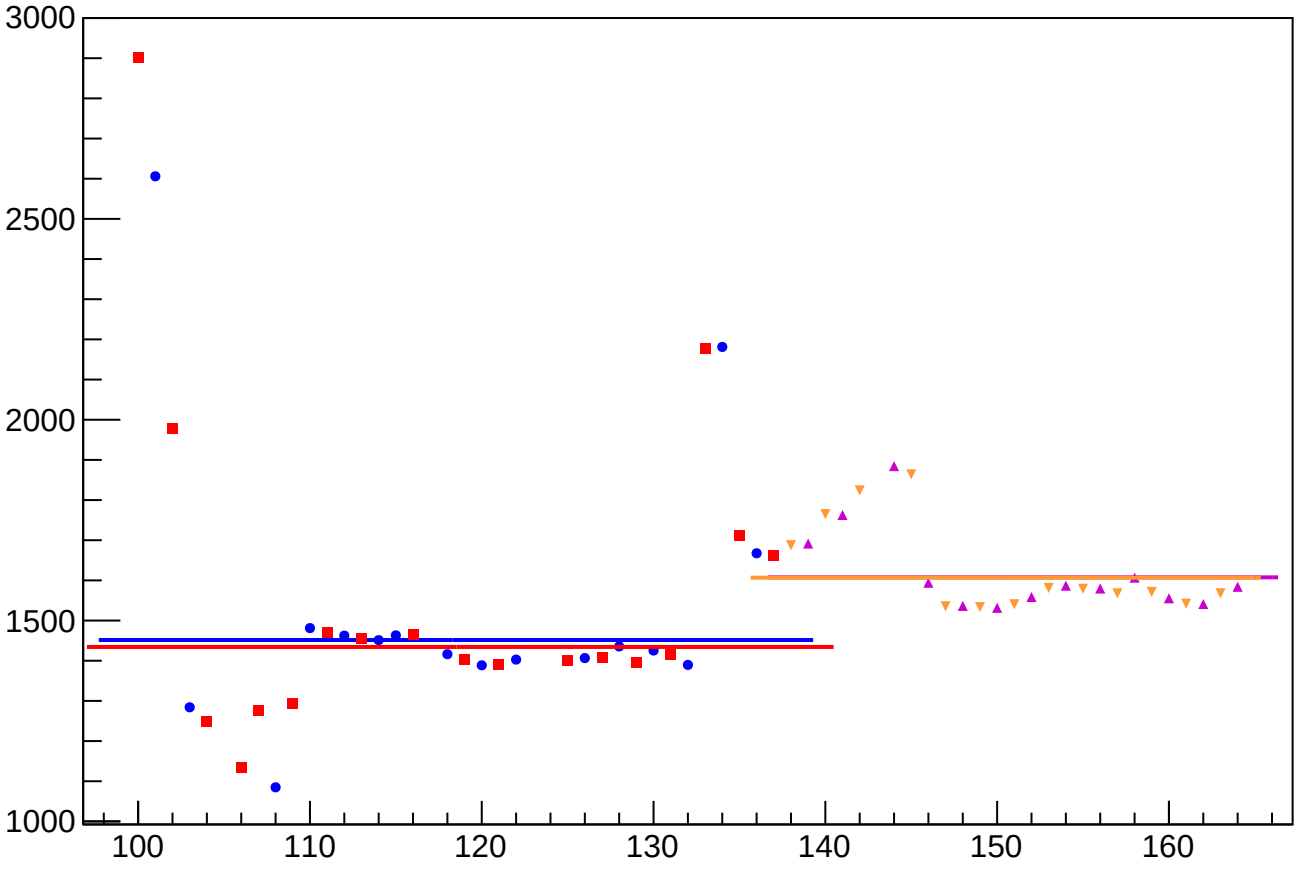
Left In: -20.900+/-486.208 χ^2/NDF:6.2/12

+ sign 104.942+/-369.565 χ^2/NDF: 39.3/28

All: 57.709+/-258.939 χ^2/NDF: 68.1/59

- 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: 1606.742+/-0.353 χ^2/NDF:77740.4/12

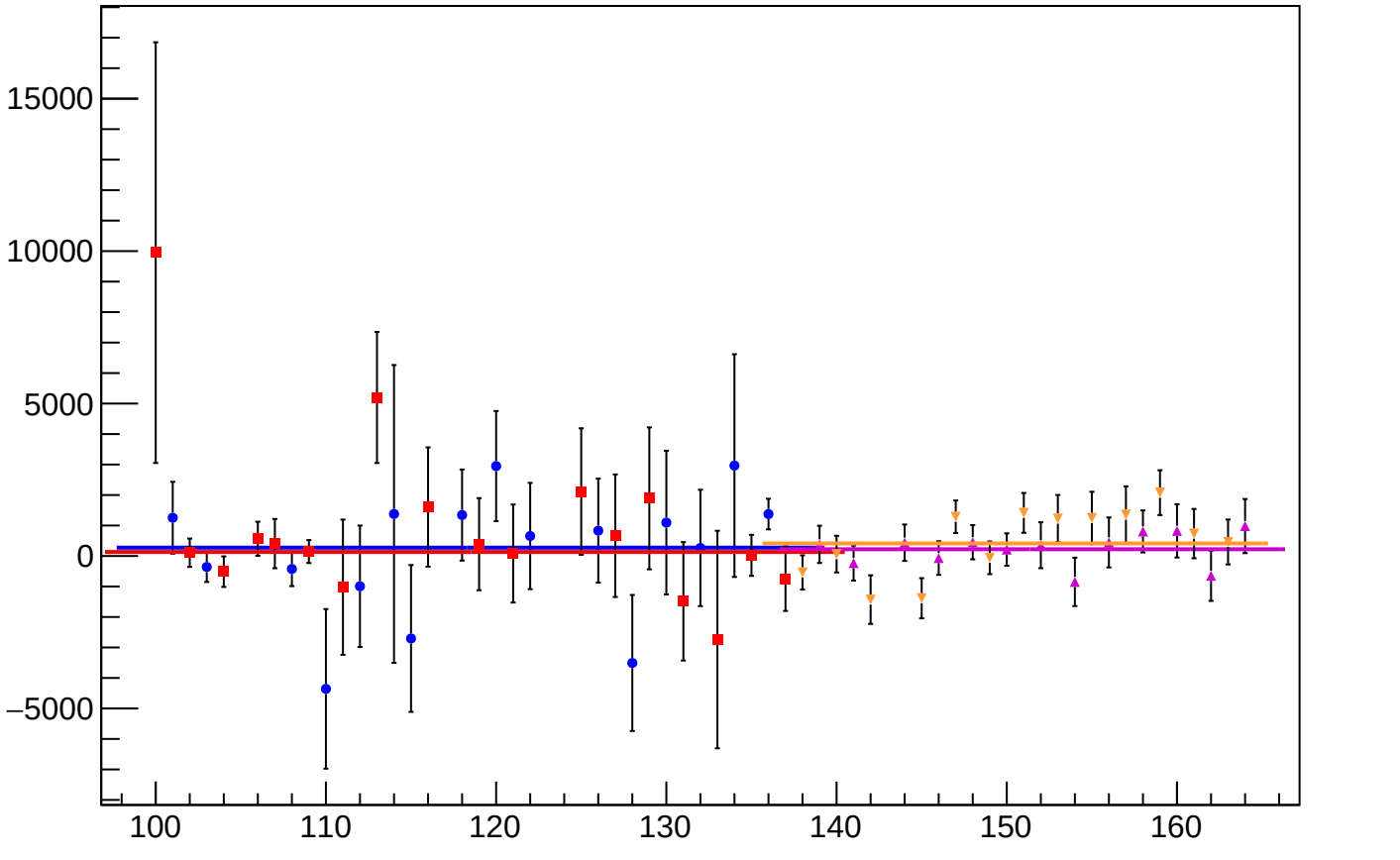
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.0/12

+ sign 1536.594+/-0.261 χ^2/NDF: 652906.8/28

All: 1533.681+/-0.183 χ^2/NDF: 1166823.4/59

- 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: 411.876+/-187.088 χ^2/NDF:30.2/12

Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

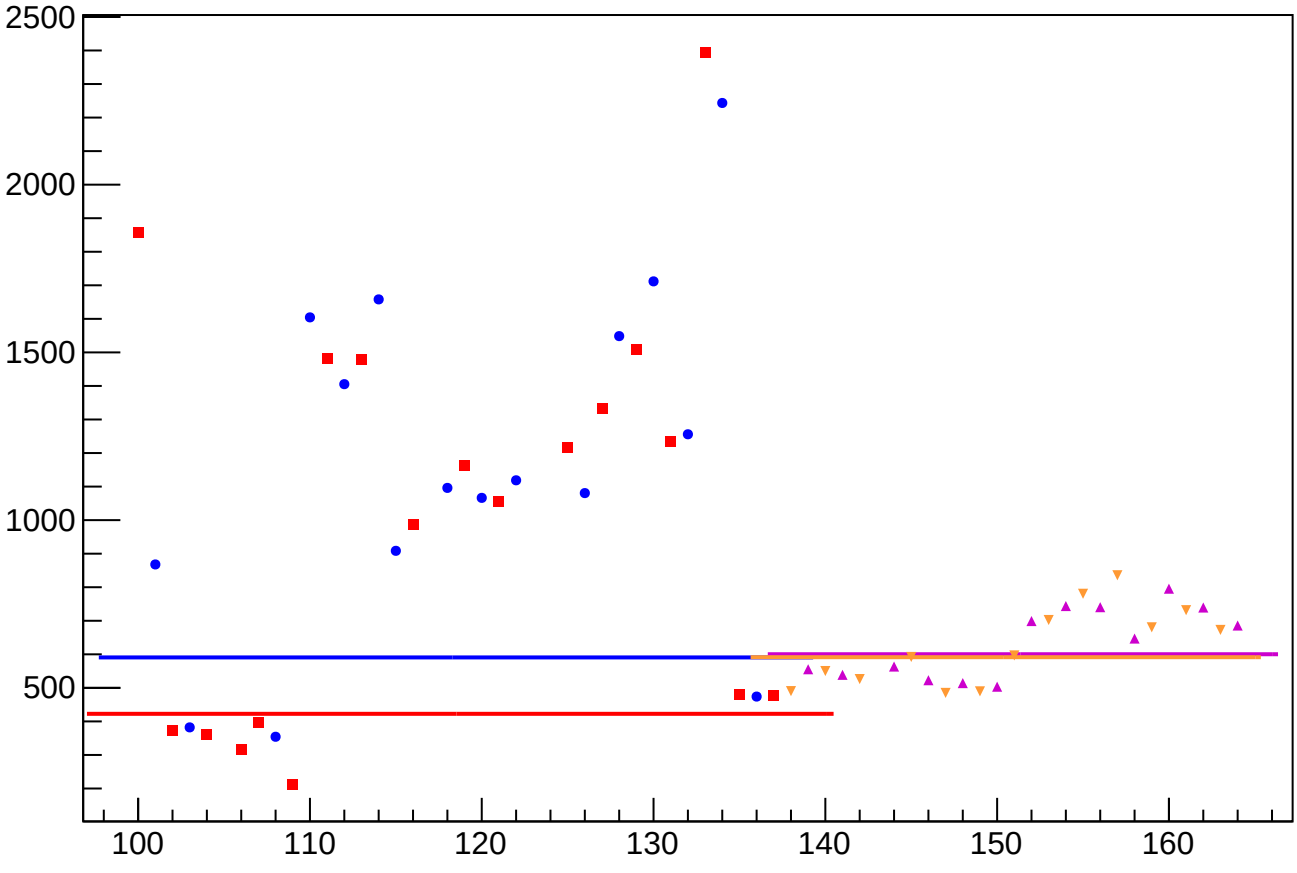
Left In: 221.453+/-184.110 χ^2/NDF:6.2/12

+ sign 364.778+/-151.966 χ^2/NDF: 50.6/28

All: 260.815+/-100.579 χ^2/NDF: 72.2/59

- sign 179.775+/-134.171 χ^2/NDF: 20.8/30

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 591.418+/-0.132 χ^2/NDF:630597.7/12

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

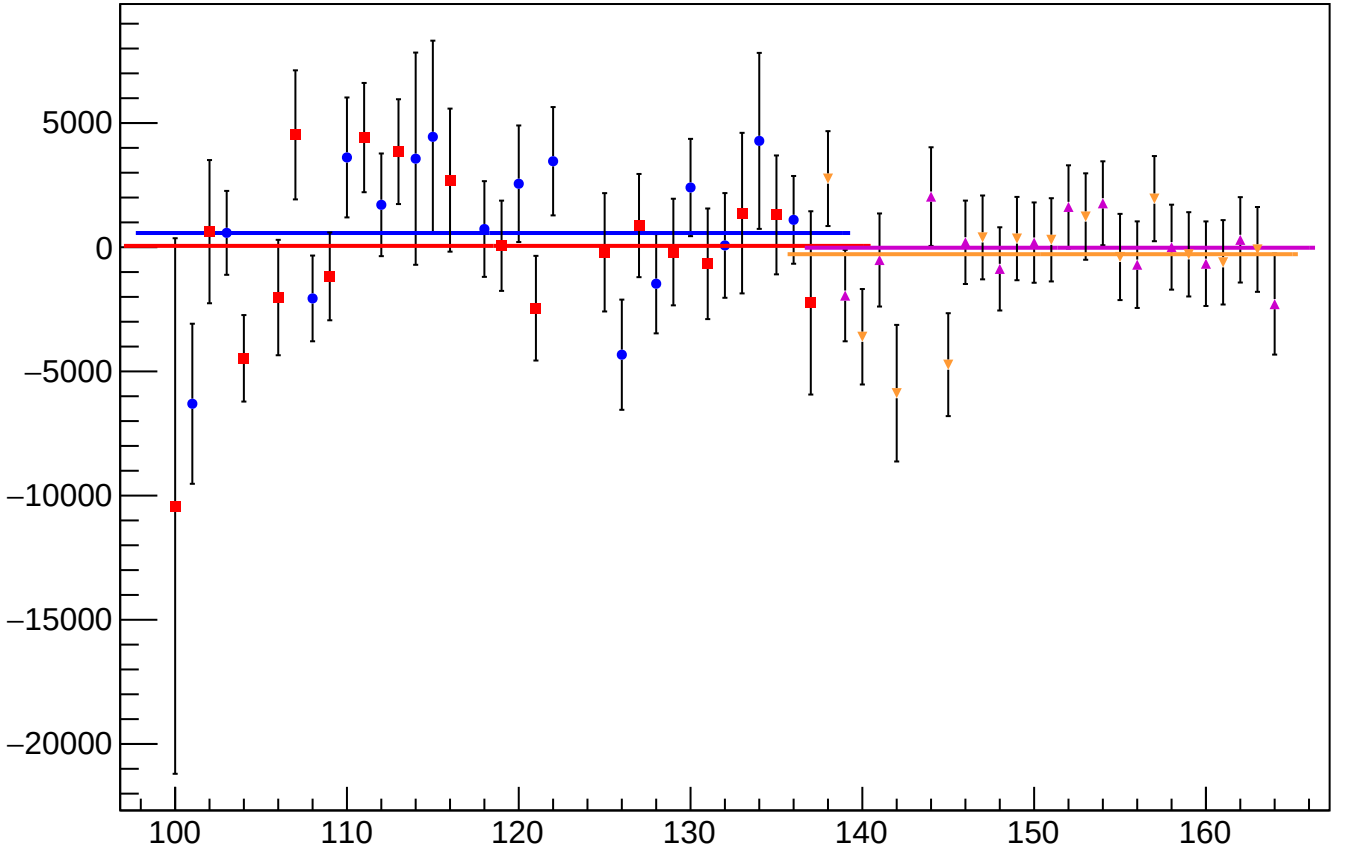
Left In: 600.253+/-0.130 χ^2/NDF:536772.4/12

+ sign 591.190+/-0.107 χ^2/NDF: 4516108.5/28

All: 549.477+/-0.071 χ^2/NDF: 11051970.8/59

- sign 516.961+/-0.095 χ^2/NDF: 6267708.4/30

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.689+/-499.273 χ^2/NDF:17.2/12

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

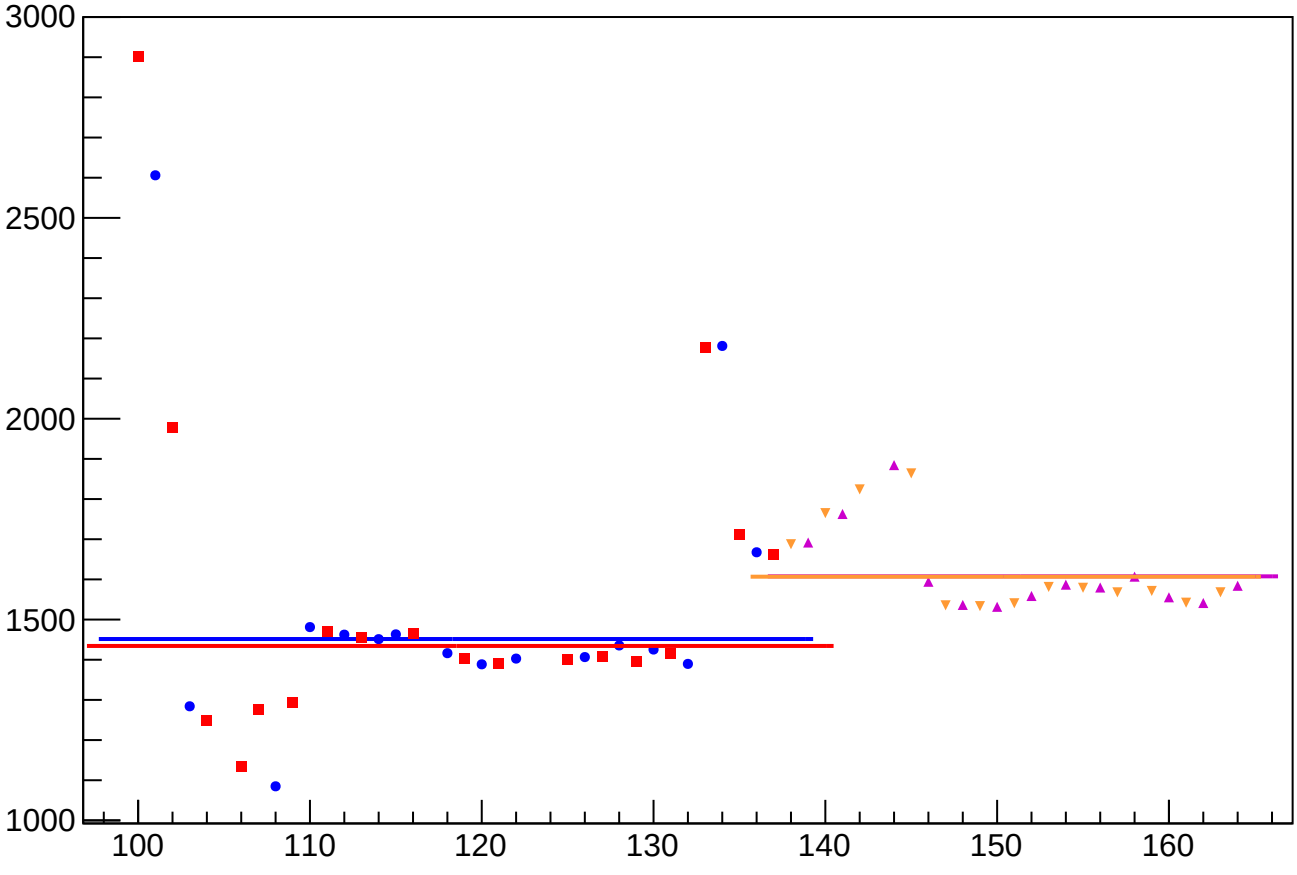
Left In: -20.901+/-486.208 χ^2/NDF:6.2/12

+ sign 104.937+/-369.565 χ^2/NDF: 39.3/28

All: 57.706+/-258.939 χ^2/NDF: 68.1/59

- sign 12.159+/-362.917 χ^2/NDF: 28.7/30

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.6/12

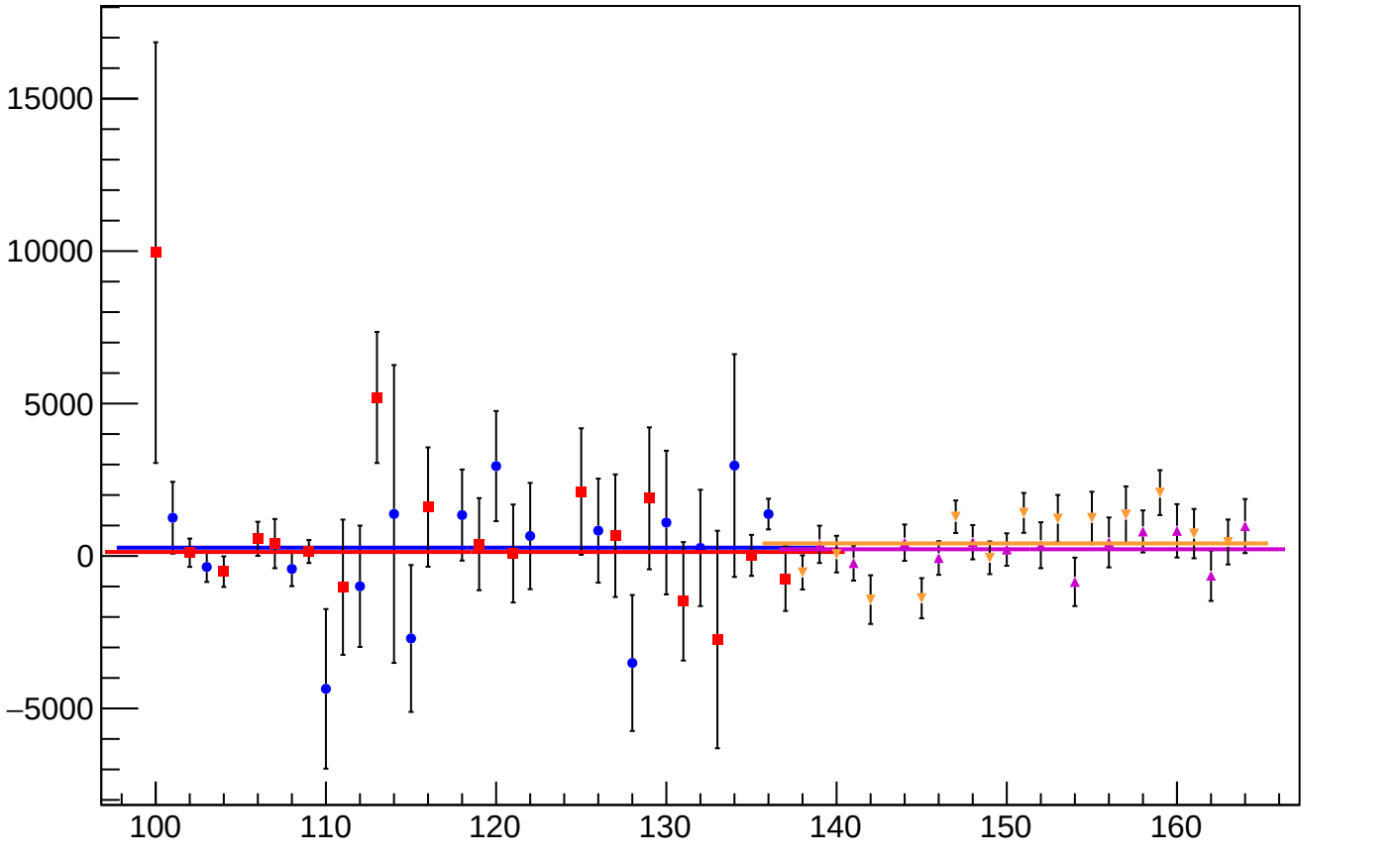
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.2/12

+ sign 1536.594+/-0.261 χ^2/NDF: 652906.5/28

All: 1533.681+/-0.183 χ^2/NDF: 1166823.5/59

- 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: 411.883+/-187.088 χ^2/NDF:30.2/12

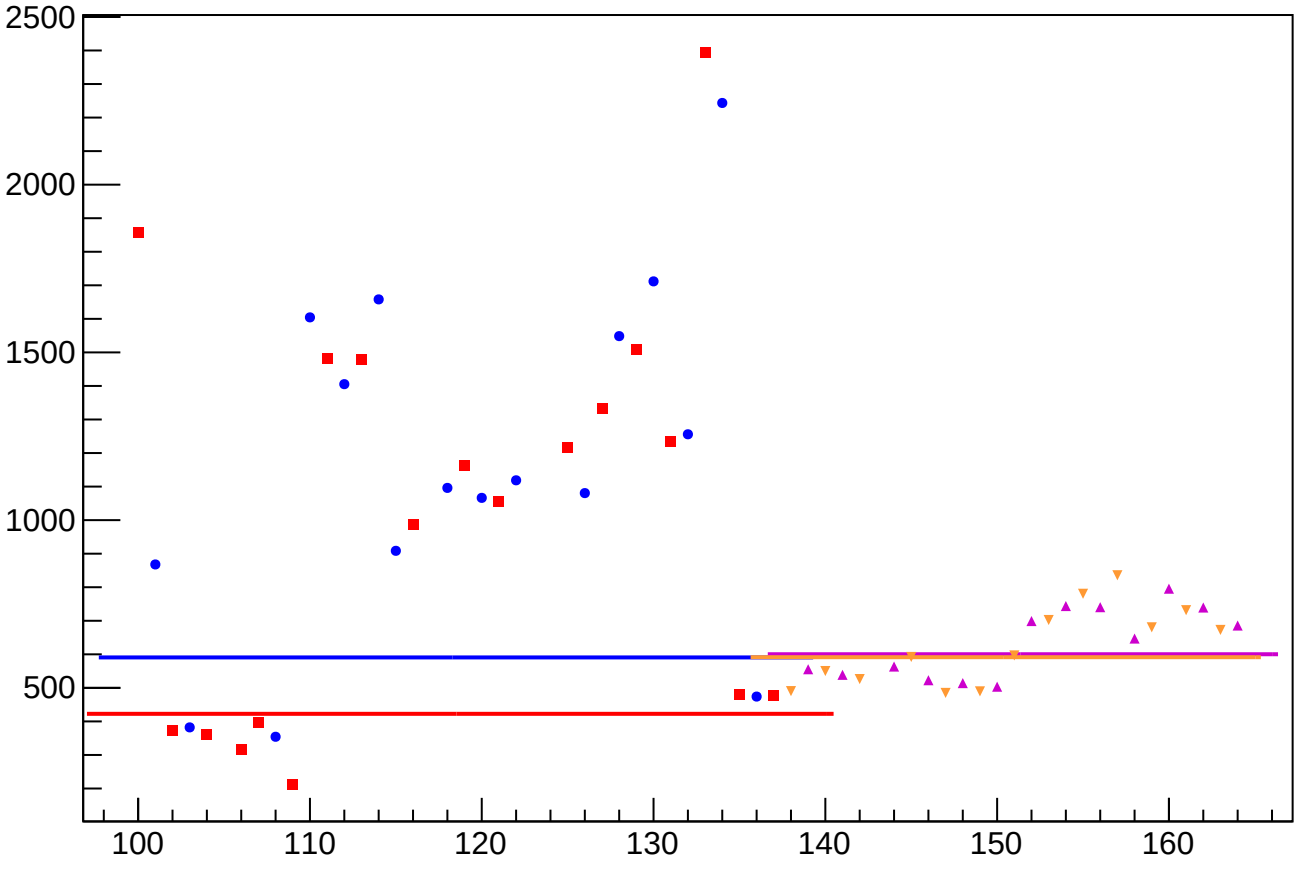
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 221.455+/-184.111 χ^2/NDF:6.2/12

+ sign 364.779+/-151.966 χ^2/NDF: 50.6/28

All: 260.816+/-100.579 χ^2/NDF: 72.2/59

- 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: 591.420+/-0.132 χ^2/NDF:630578.1/12

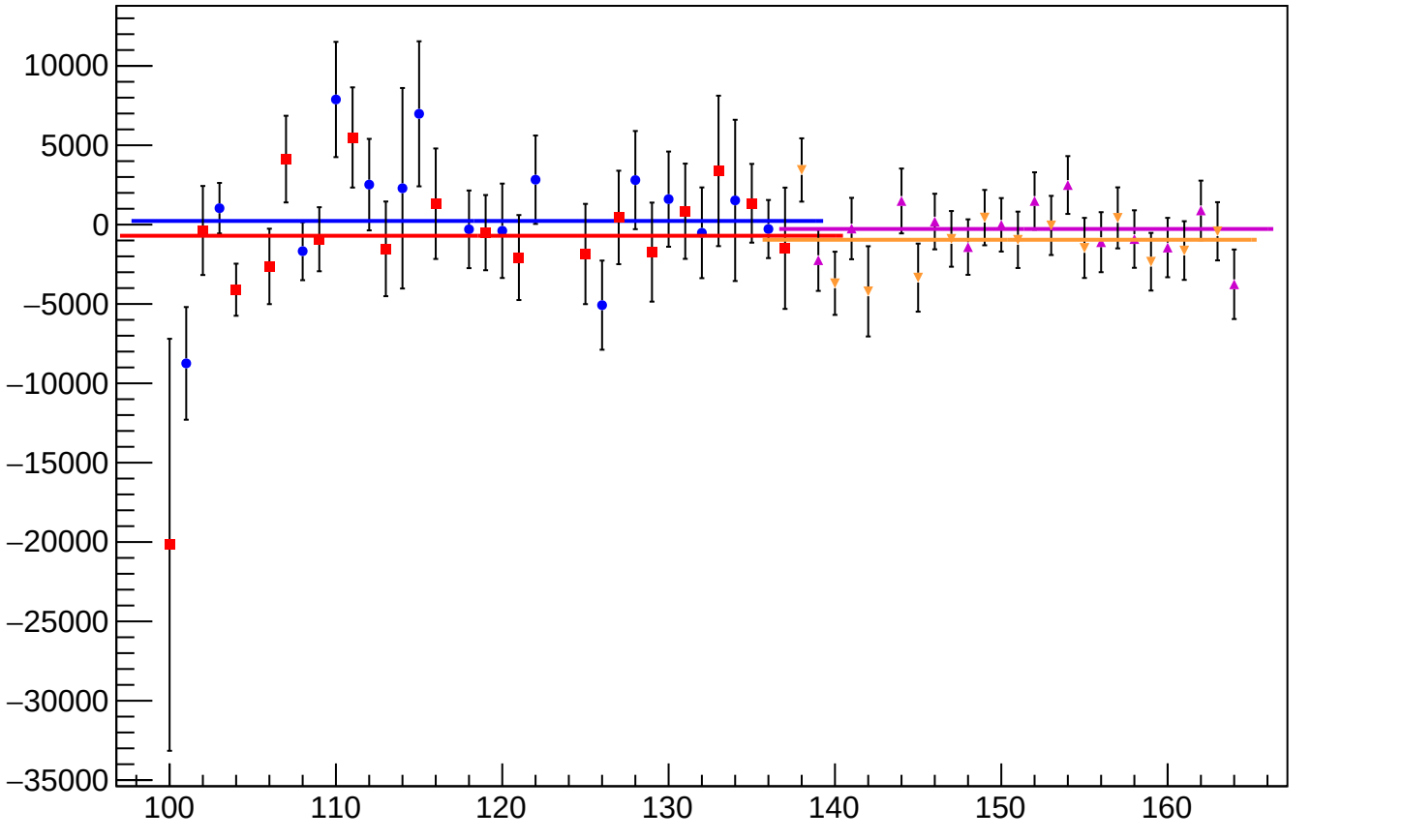
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 600.253+/-0.130 χ^2/NDF:536788.3/12

+ sign 591.191+/-0.107 χ^2/NDF: 4516117.5/28

All: 549.480+/-0.071 χ^2/NDF: 11051840.4/59

- sign 516.965+/-0.095 χ^2/NDF: 6267587.7/30



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -954.770+/-531.118 χ^2/NDF:11.6/12

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

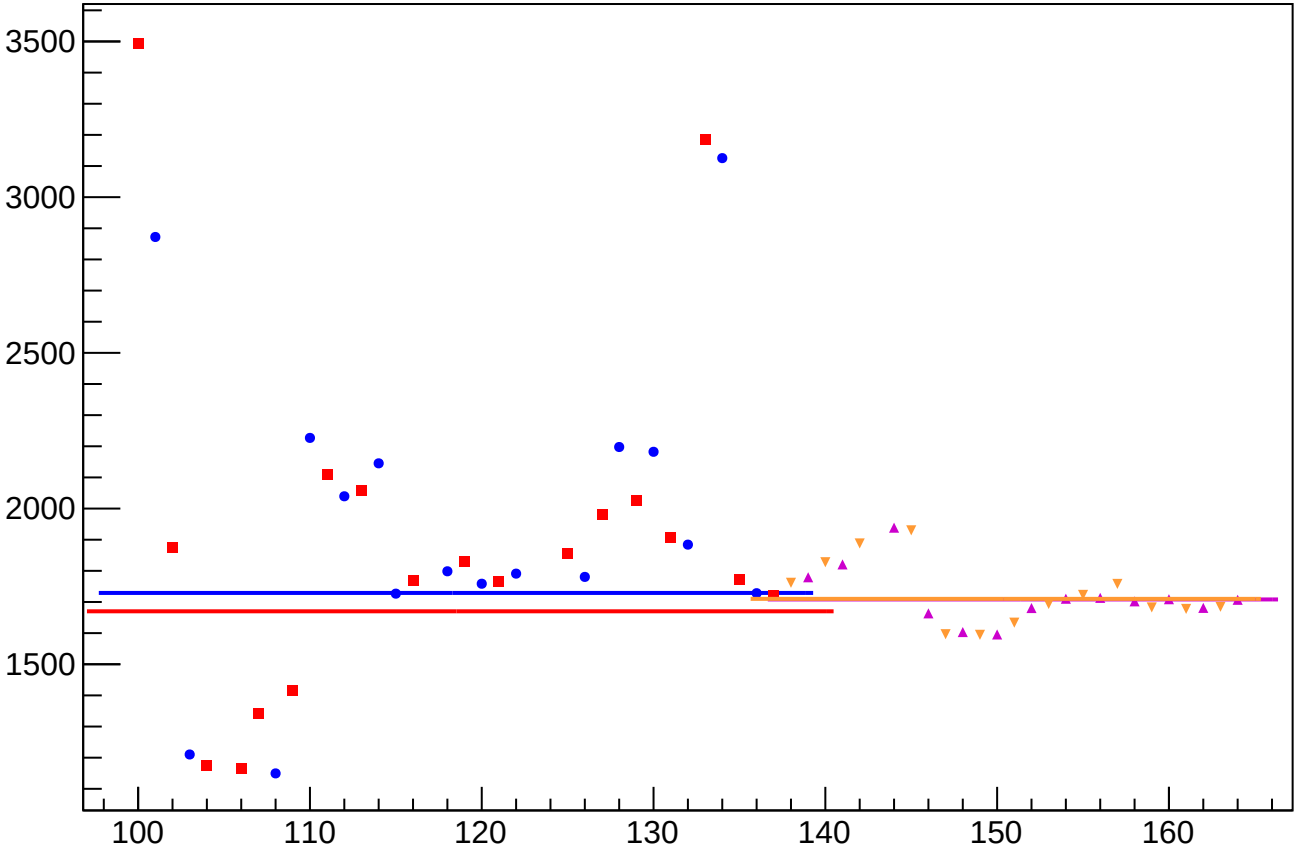
Left In: -274.410+/-516.393 χ^2/NDF:9.2/12

\+ sign -494.110+/-415.303 χ^2/NDF: 34.2/28

All: -466.555+/-289.556 χ^2/NDF: 60.7/59

\- 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: 1710.021+/-0.376 χ^2/NDF:61014.3/12

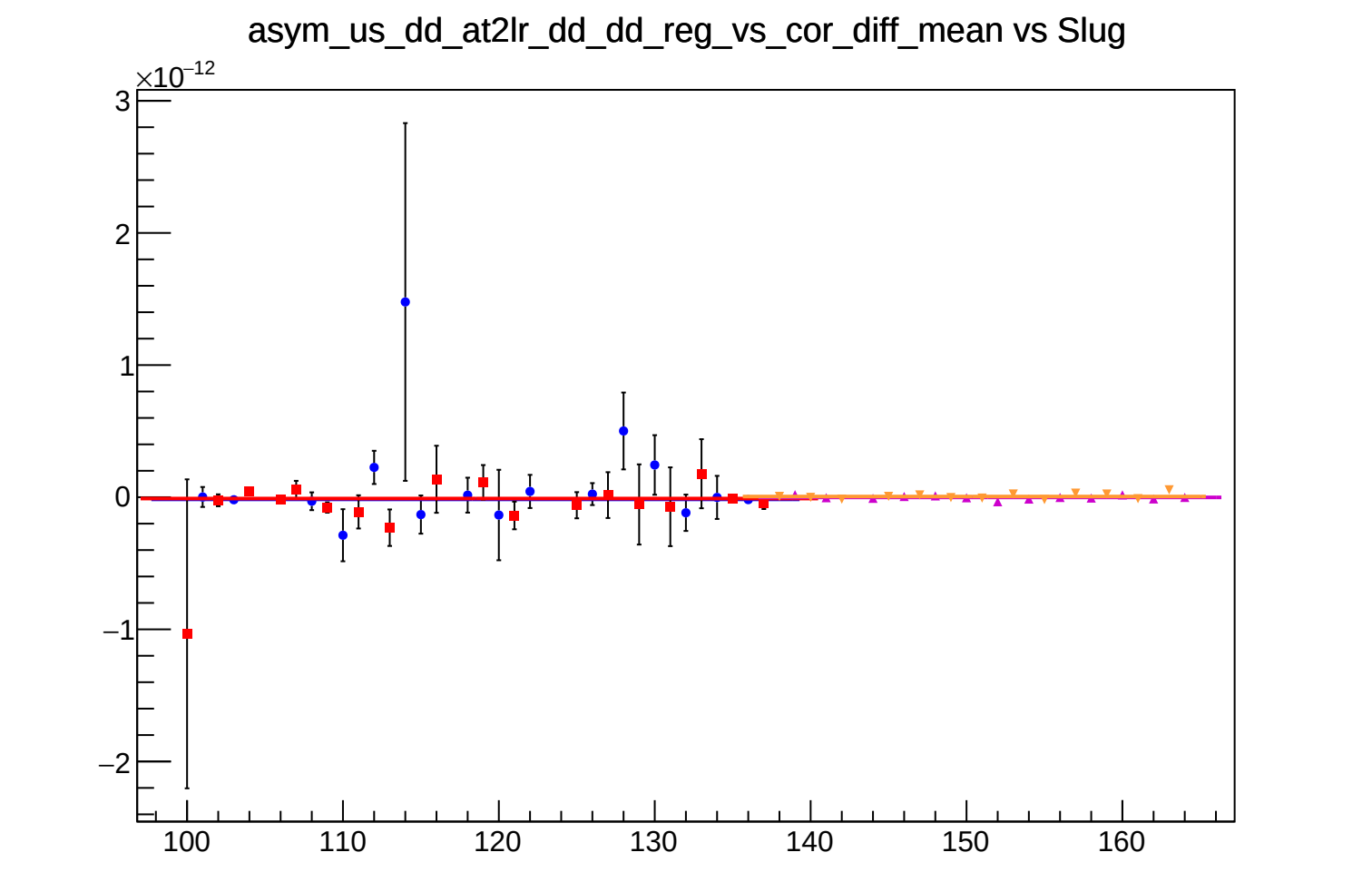
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1708.150+/-0.365 χ^2/NDF:53232.1/12

+ sign 1717.415+/-0.294 χ^2/NDF: 1004091.0/28

All: 1705.055+/-0.205 χ^2/NDF: 1809446.9/59

- sign 1693.364+/-0.286 χ^2/NDF: 801908.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/12

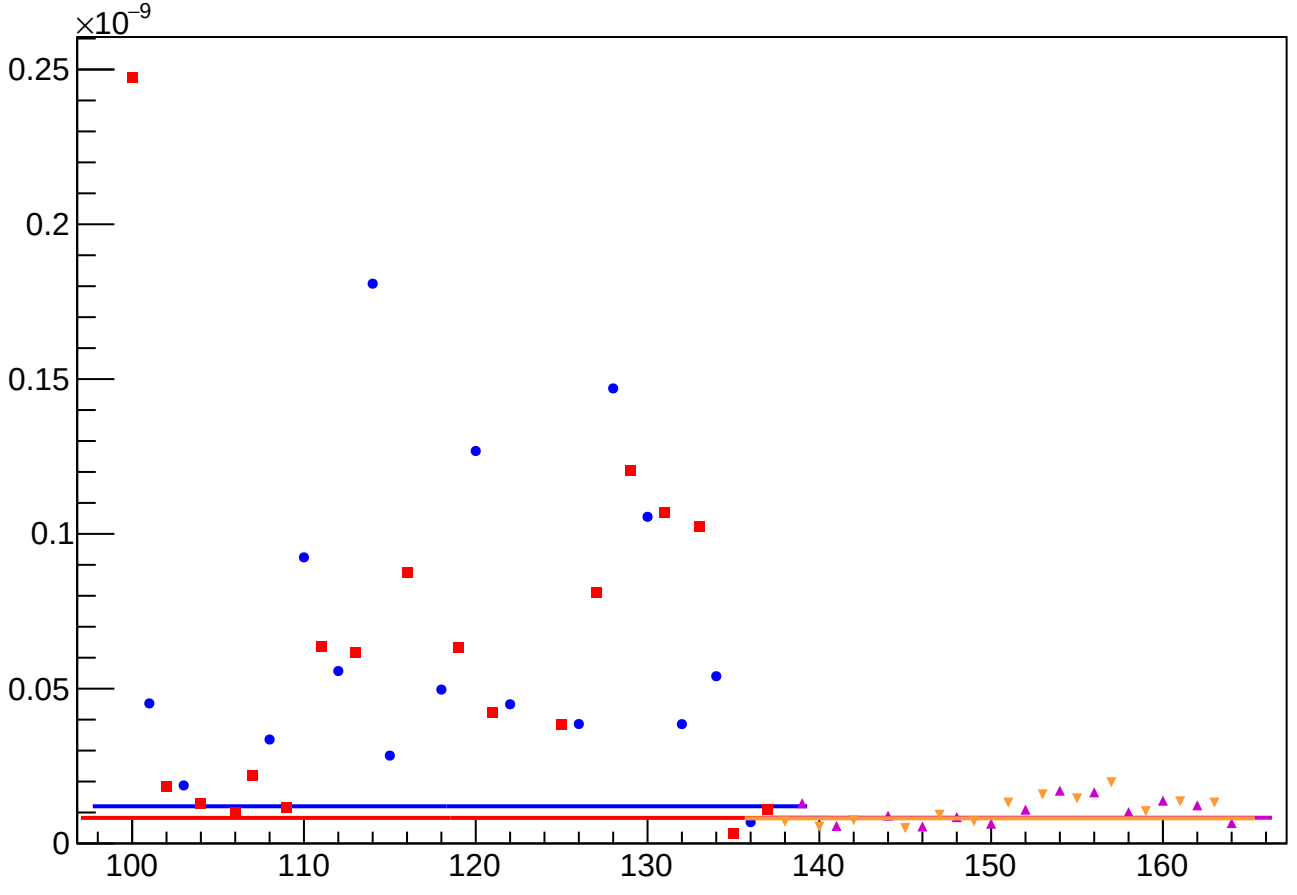
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:6.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/28

All: -0.000+/-0.000 χ^2/NDF: 54.1/59

- sign -0.000+/-0.000 χ^2/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:1362824.7/12

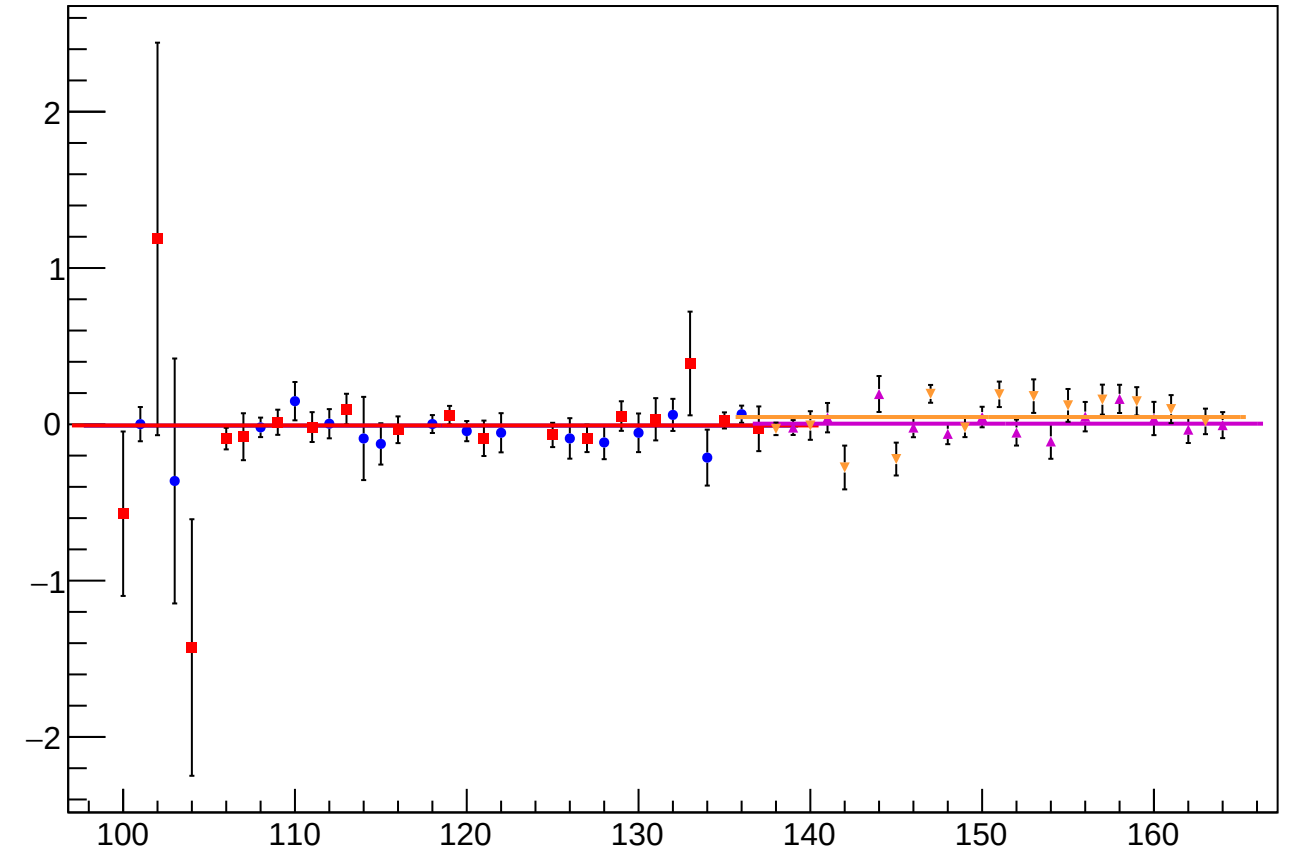
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1108016.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 5033824.4/28

All: 0.000+/-0.000 χ^2/NDF: 9662321.4/59

- sign 0.000+/-0.000 χ^2/NDF: 4618216.9/30



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

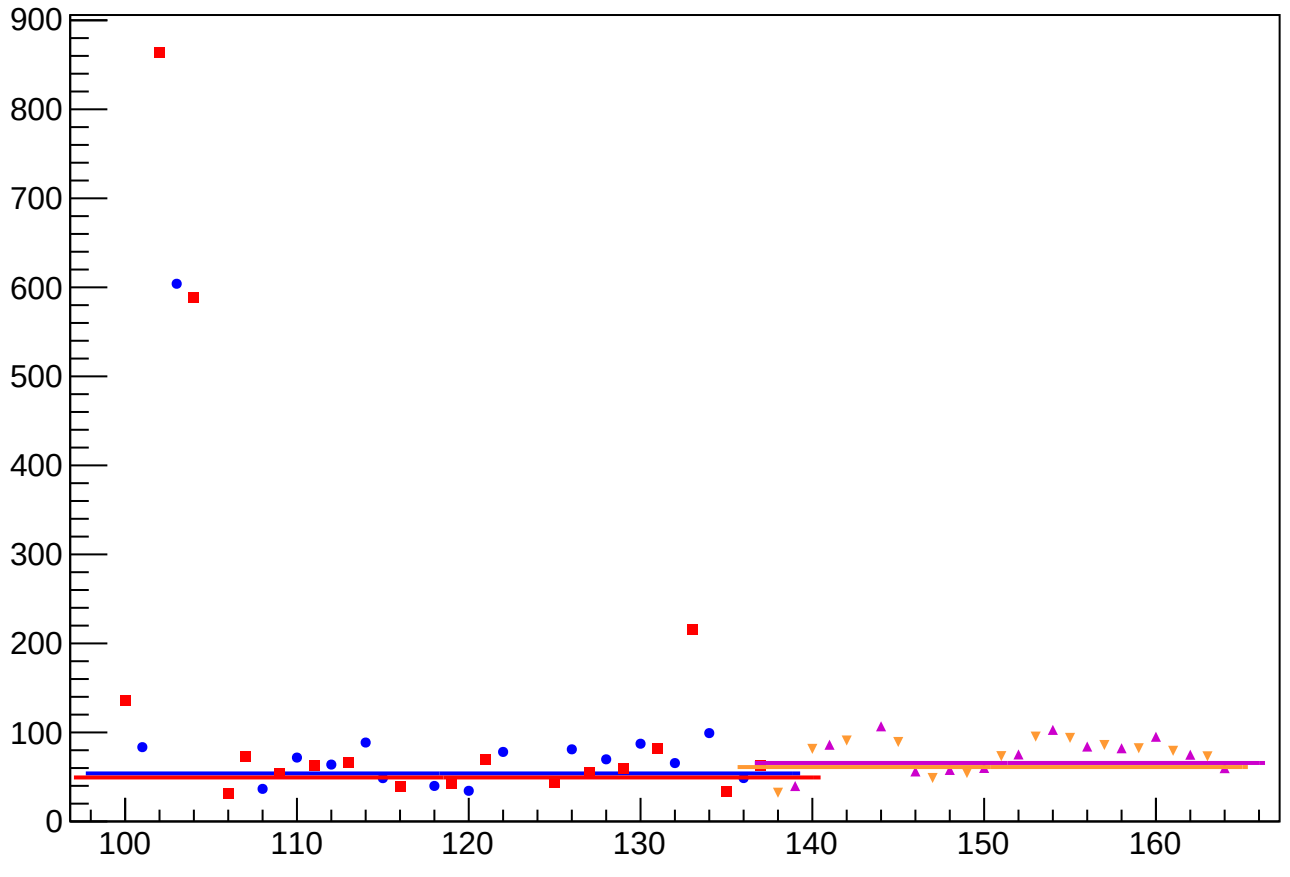
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.022+/-0.015 χ^2/NDF: 43.4/28

All: 0.010+/-0.011 χ^2/NDF: 68.1/59

- 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: 61.104+/-0.015 χ^2/NDF:2304779.1/12

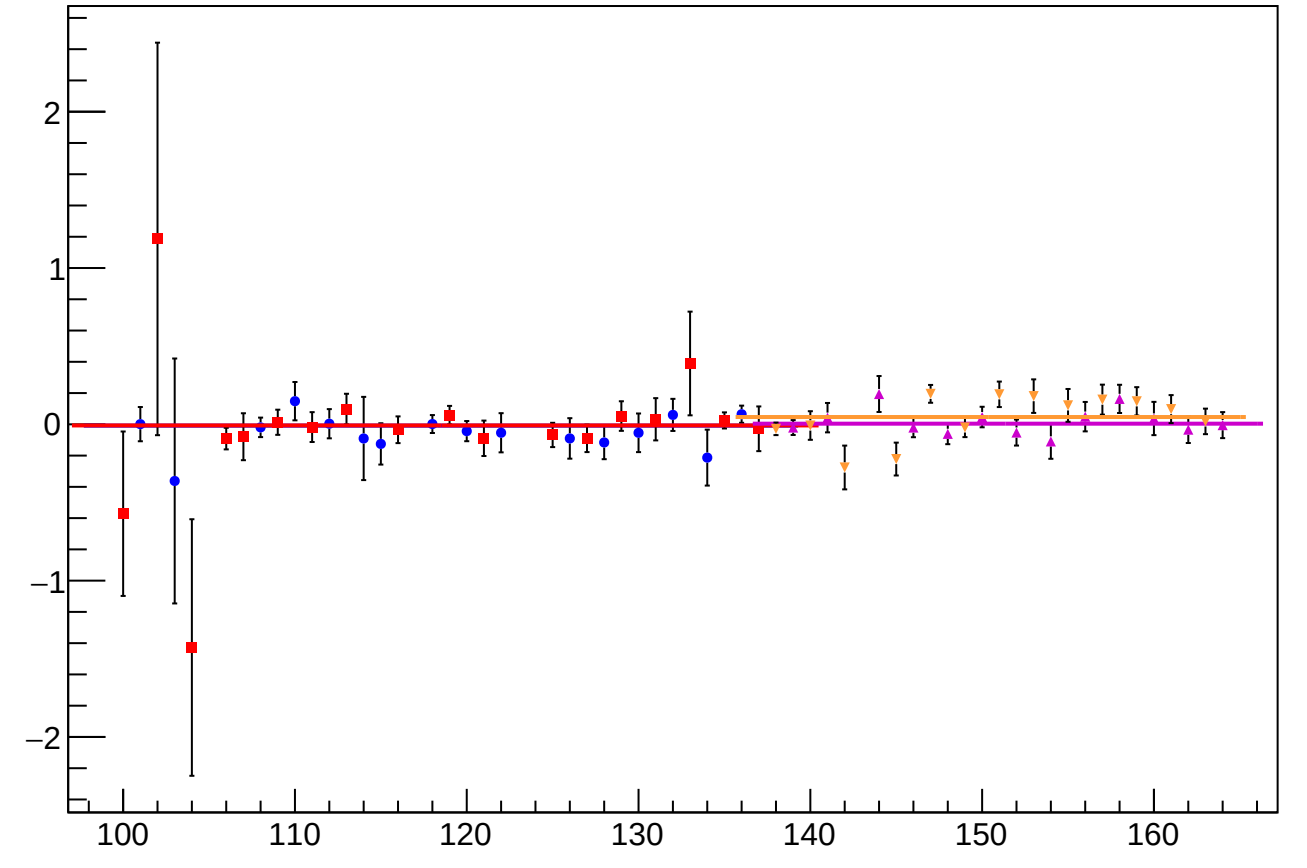
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

+ sign 57.874+/-0.011 χ^2/NDF: 4625264.3/28

All: 57.868+/-0.008 χ^2/NDF: 9812759.7/59

- sign 57.861+/-0.011 χ^2/NDF: 5187494.7/30



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

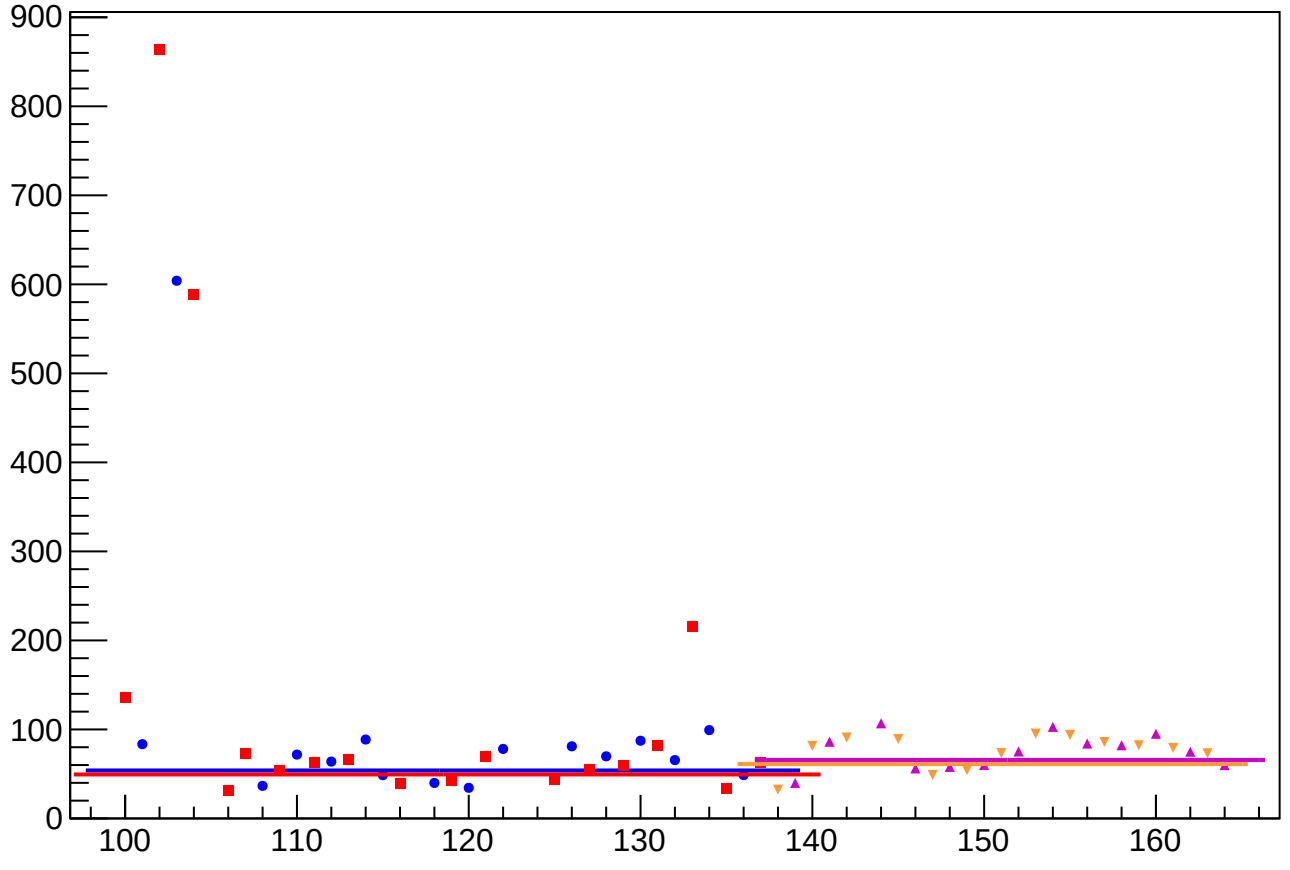
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.022+/-0.015 χ^2/NDF: 43.4/28

All: 0.010+/-0.011 χ^2/NDF: 68.1/59

- 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: 61.104+/-0.015 χ^2/NDF:2304779.1/12

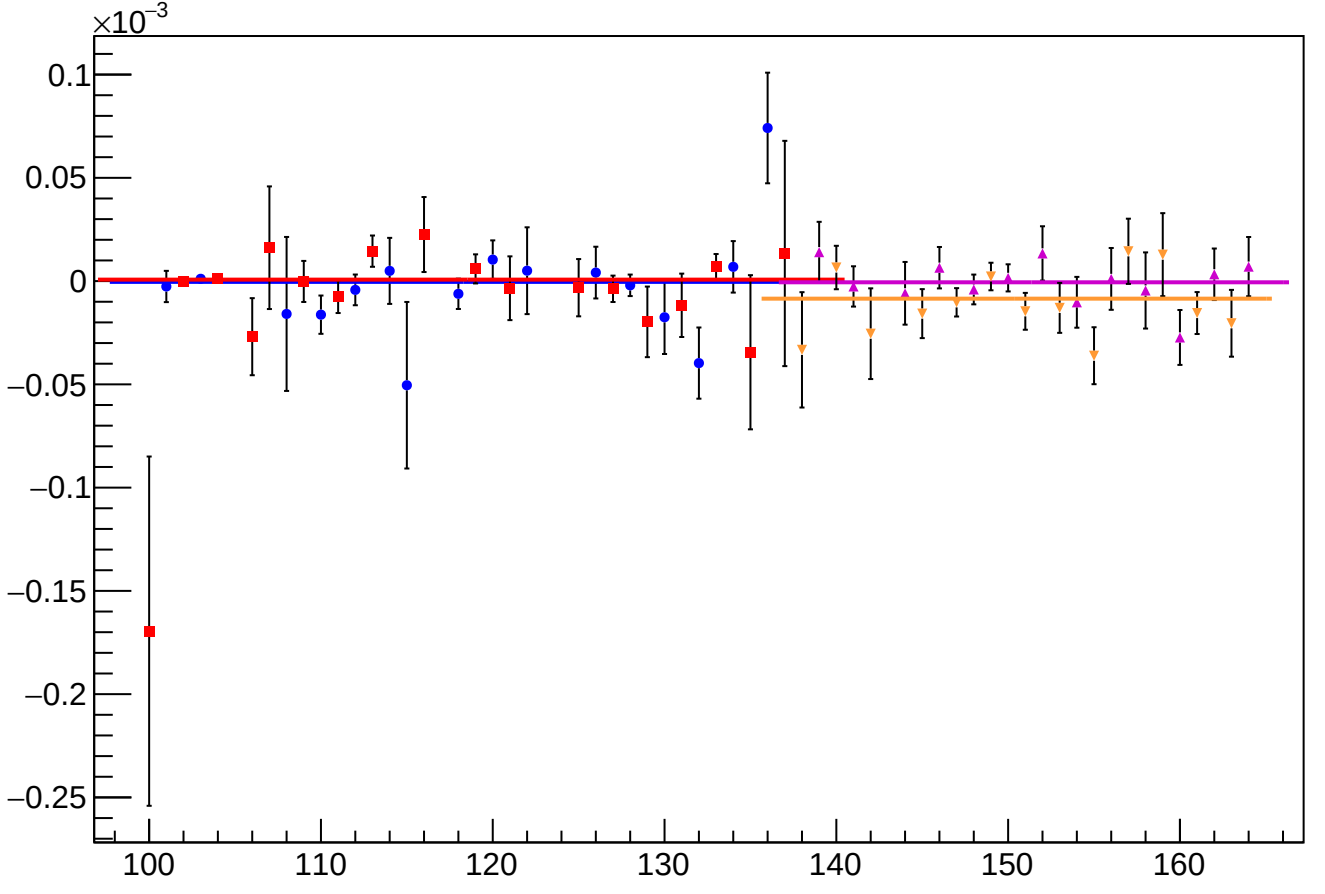
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

+ sign 57.874+/-0.011 χ^2/NDF: 4625264.3/28

All: 57.868+/-0.008 χ^2/NDF: 9812759.7/59

- 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:15.3/12

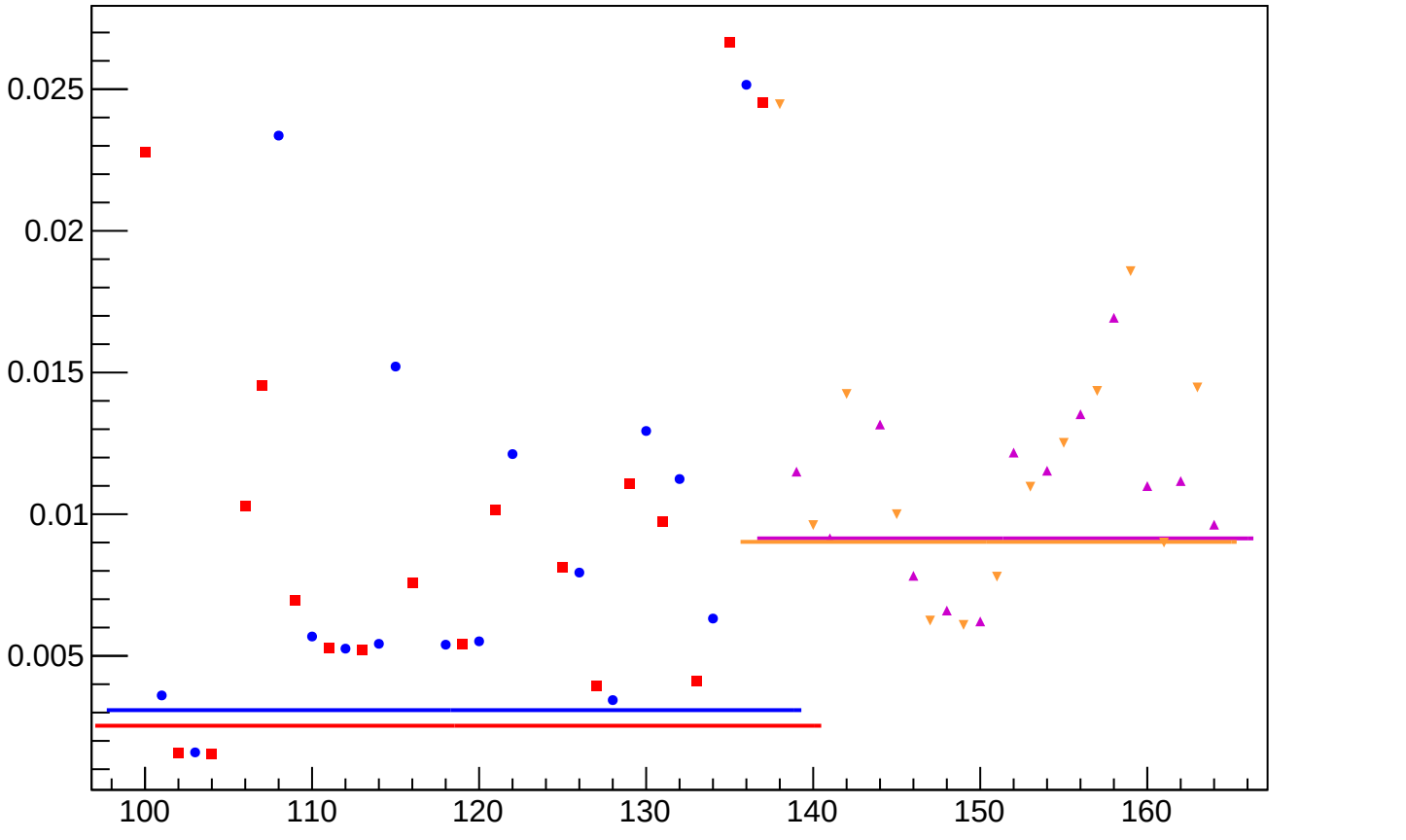
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/28

All: -0.000+/-0.000 χ^2/NDF: 71.3/59

- sign 0.000+/-0.000 χ^2/NDF: 26.2/30



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2582803.8/12

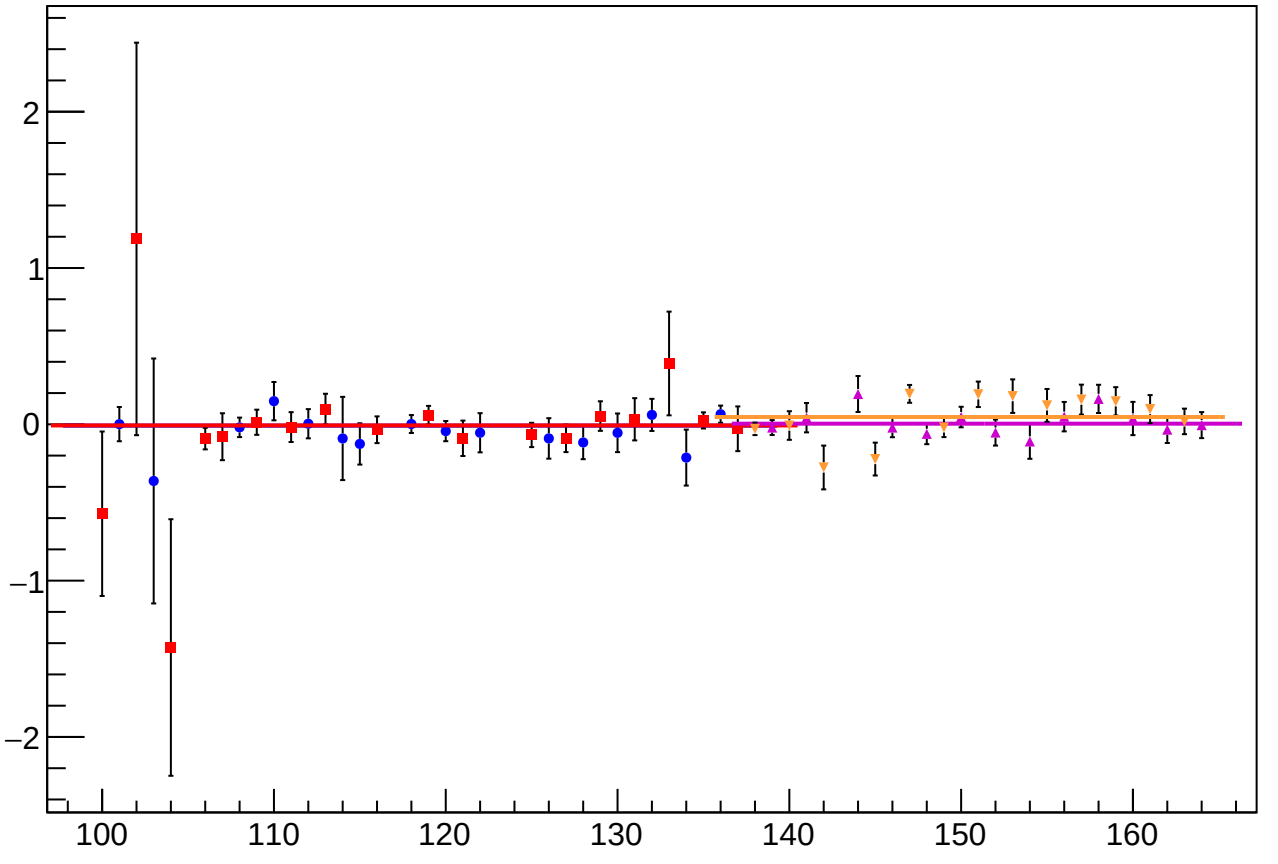
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1676485.7/12

+ sign 0.004+/-0.000 χ^2/NDF: 14290204.5/28

All: 0.004+/-0.000 χ^2/NDF: 30733349.7/59

- sign 0.004+/-0.000 χ^2/NDF: 15992838.8/30



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

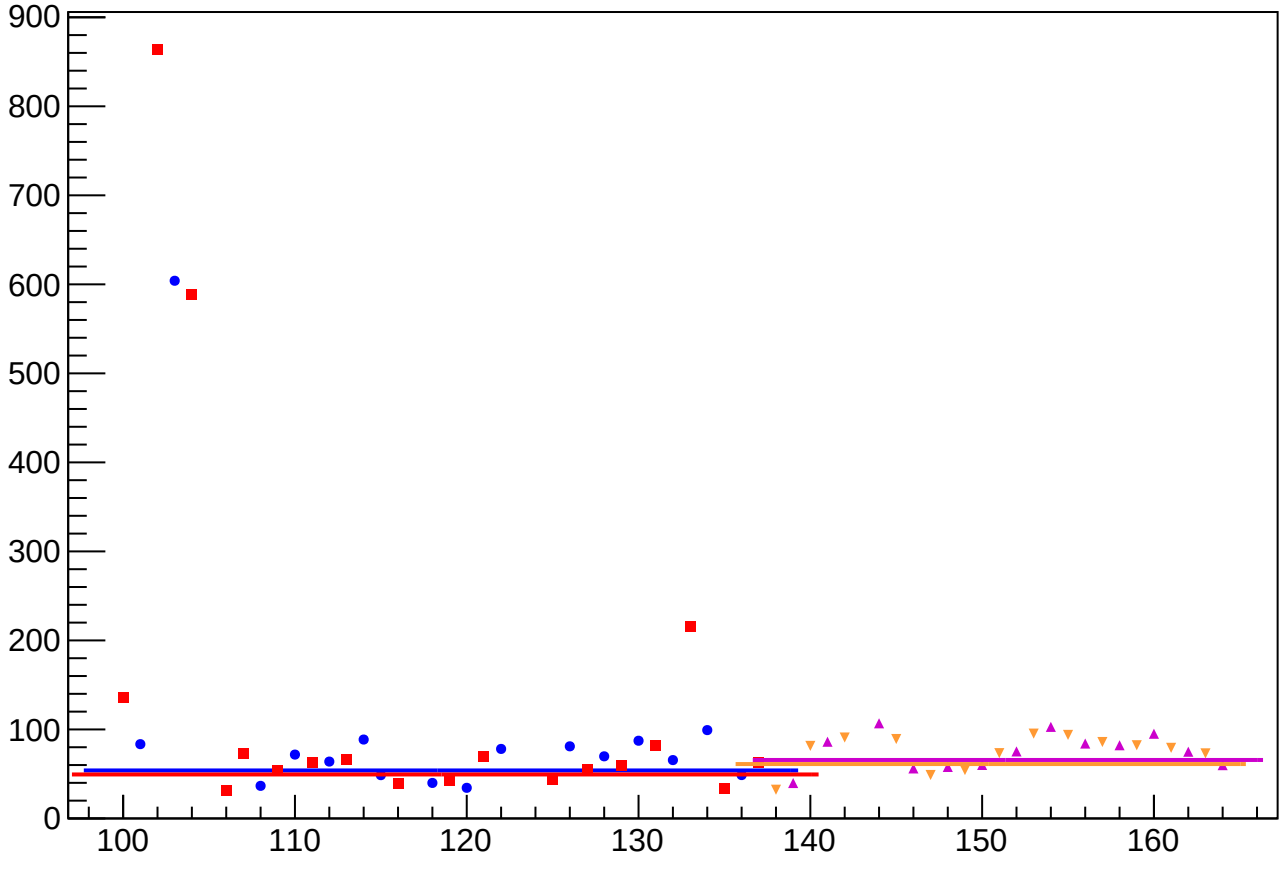
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/28

All: 0.010+/-0.011 χ^2/NDF: 68.1/59

- 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: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

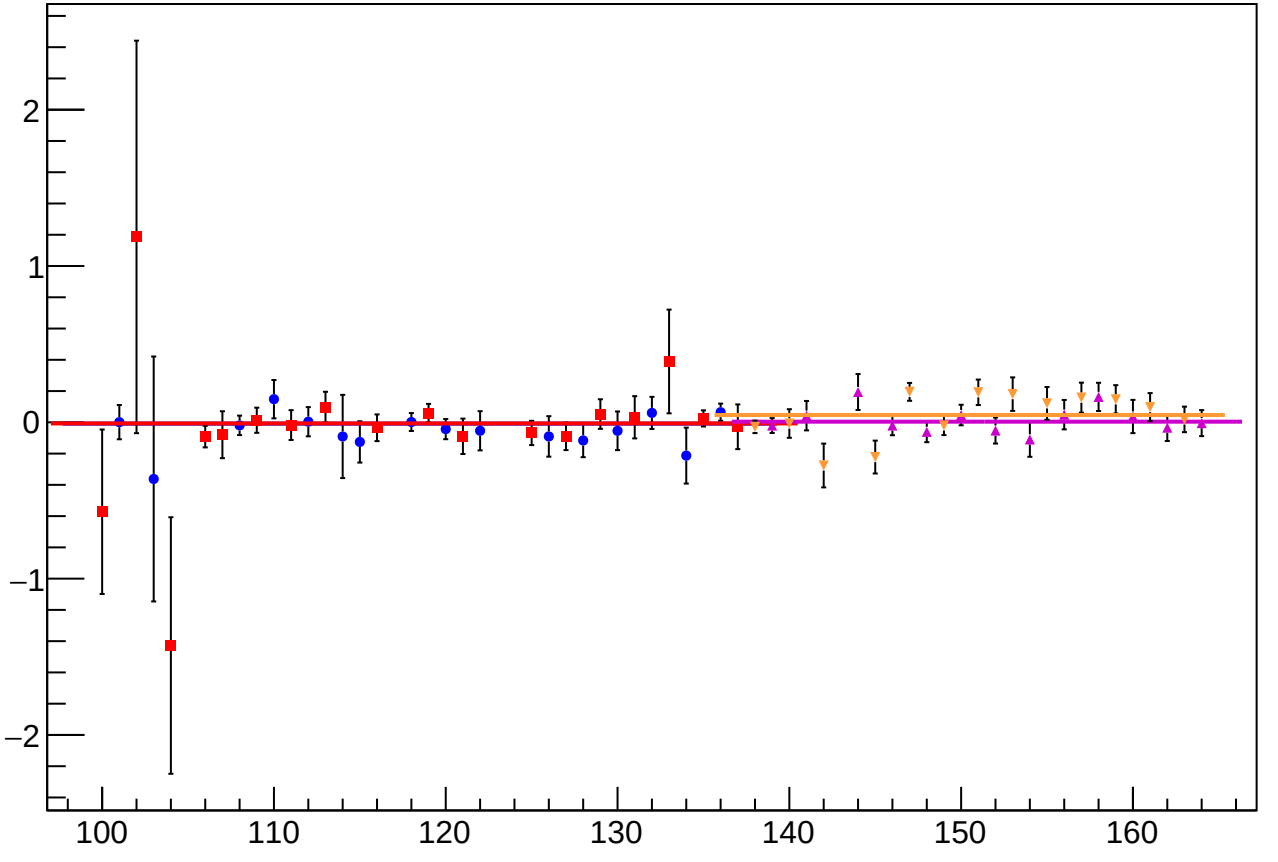
Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

\+ sign 57.878+/-0.011 χ^2/NDF: 4623977.1/28

All: 57.870+/-0.008 χ^2/NDF: 9811146.1/59

\- sign 57.862+/-0.011 χ^2/NDF: 5187168.0/30

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

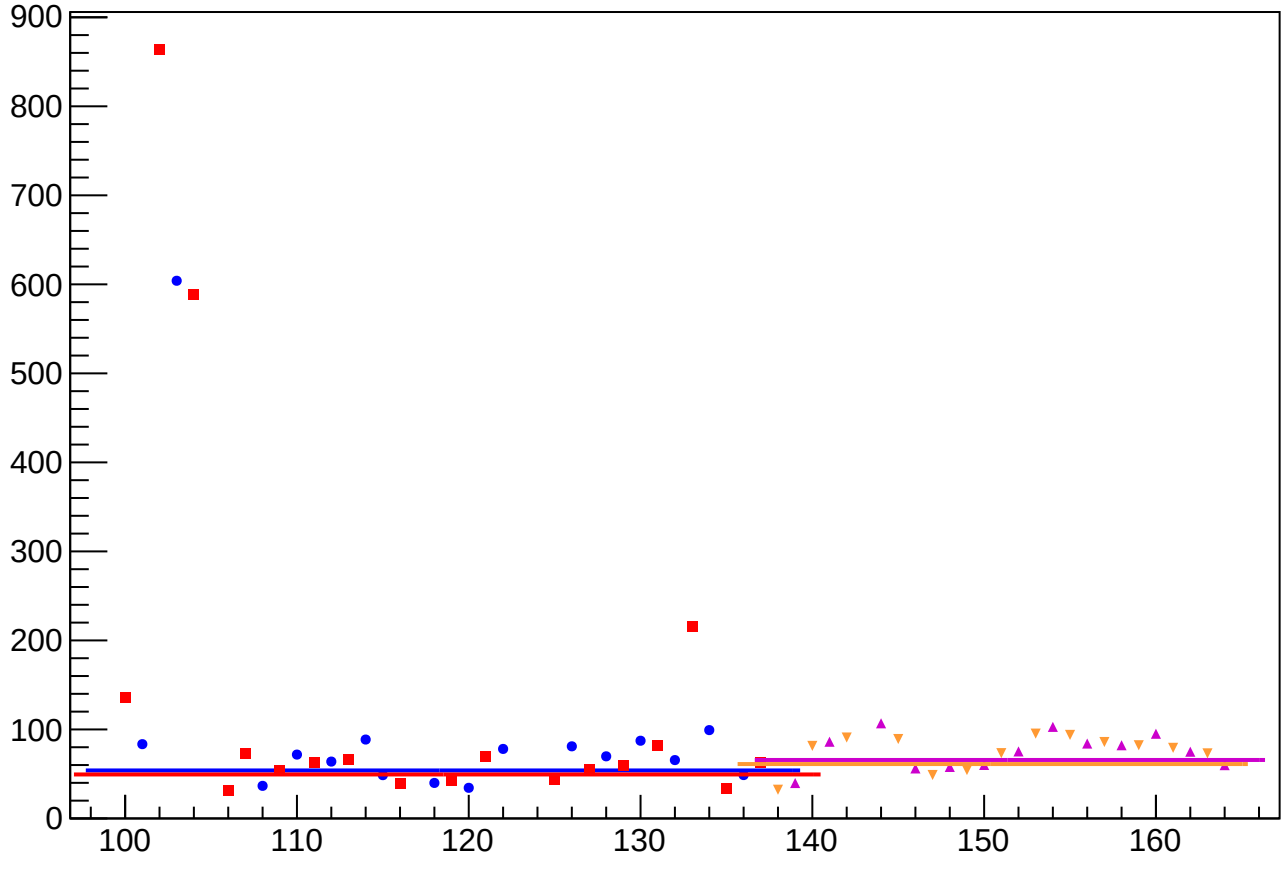
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/28

All: 0.010+/-0.011 χ^2/NDF: 68.1/59

- 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: 61.107+/-0.015 χ^2/NDF:2303907.6/12

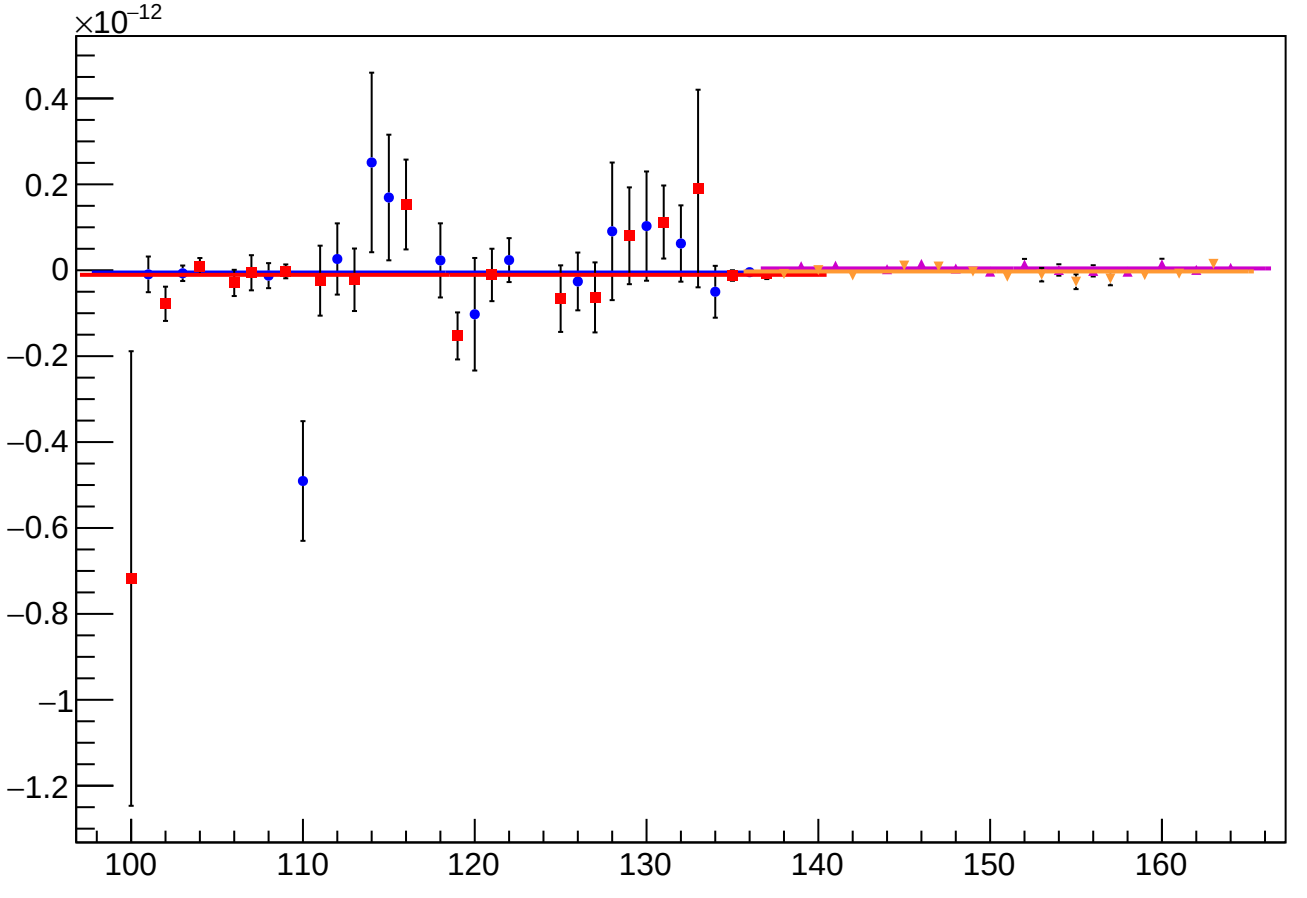
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

+ sign 57.878+/-0.011 χ^2/NDF: 4623977.1/28

All: 57.870+/-0.008 χ^2/NDF: 9811146.1/59

- 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:14.1/12

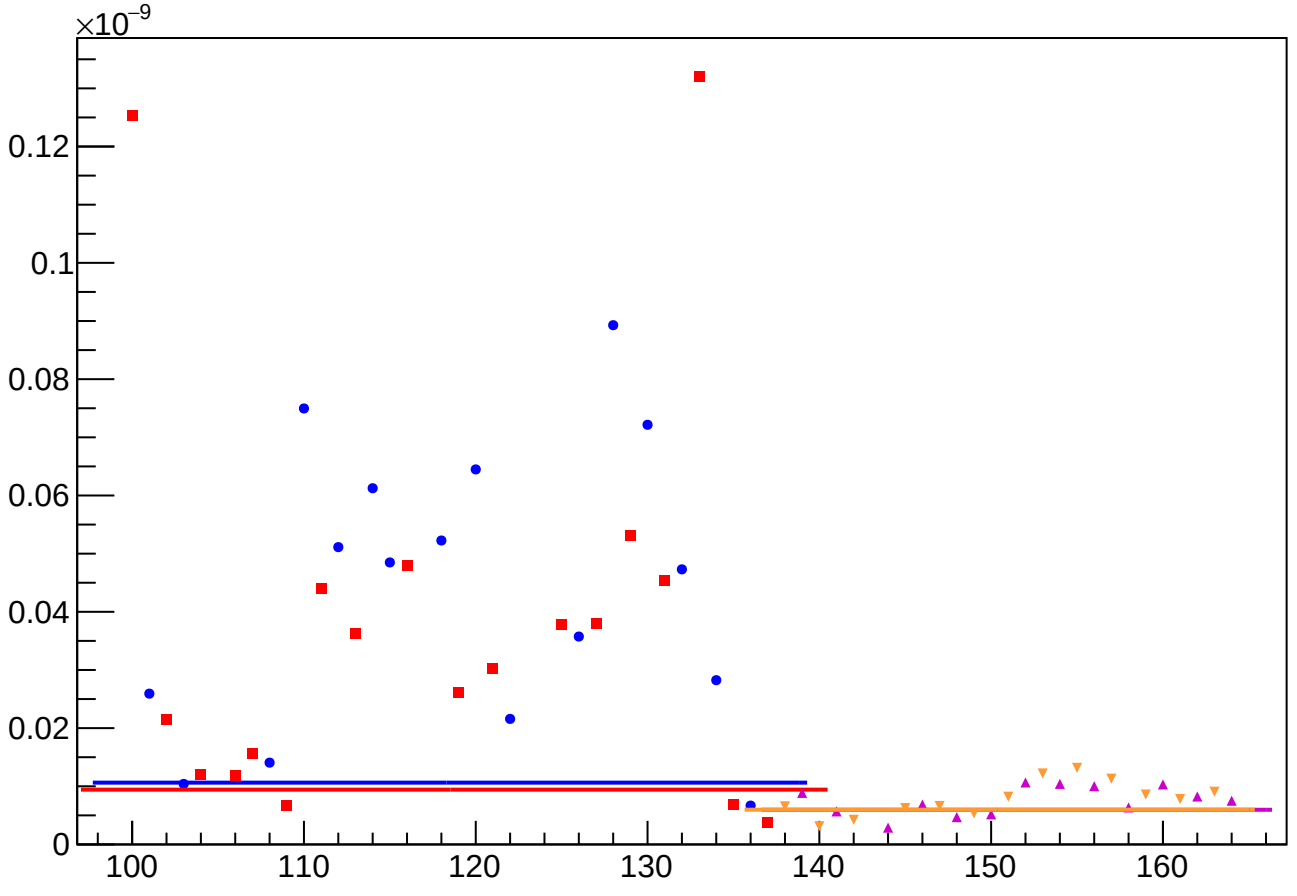
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/28

All: -0.000+/-0.000 χ^2/NDF: 66.5/59

- 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:2194954.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

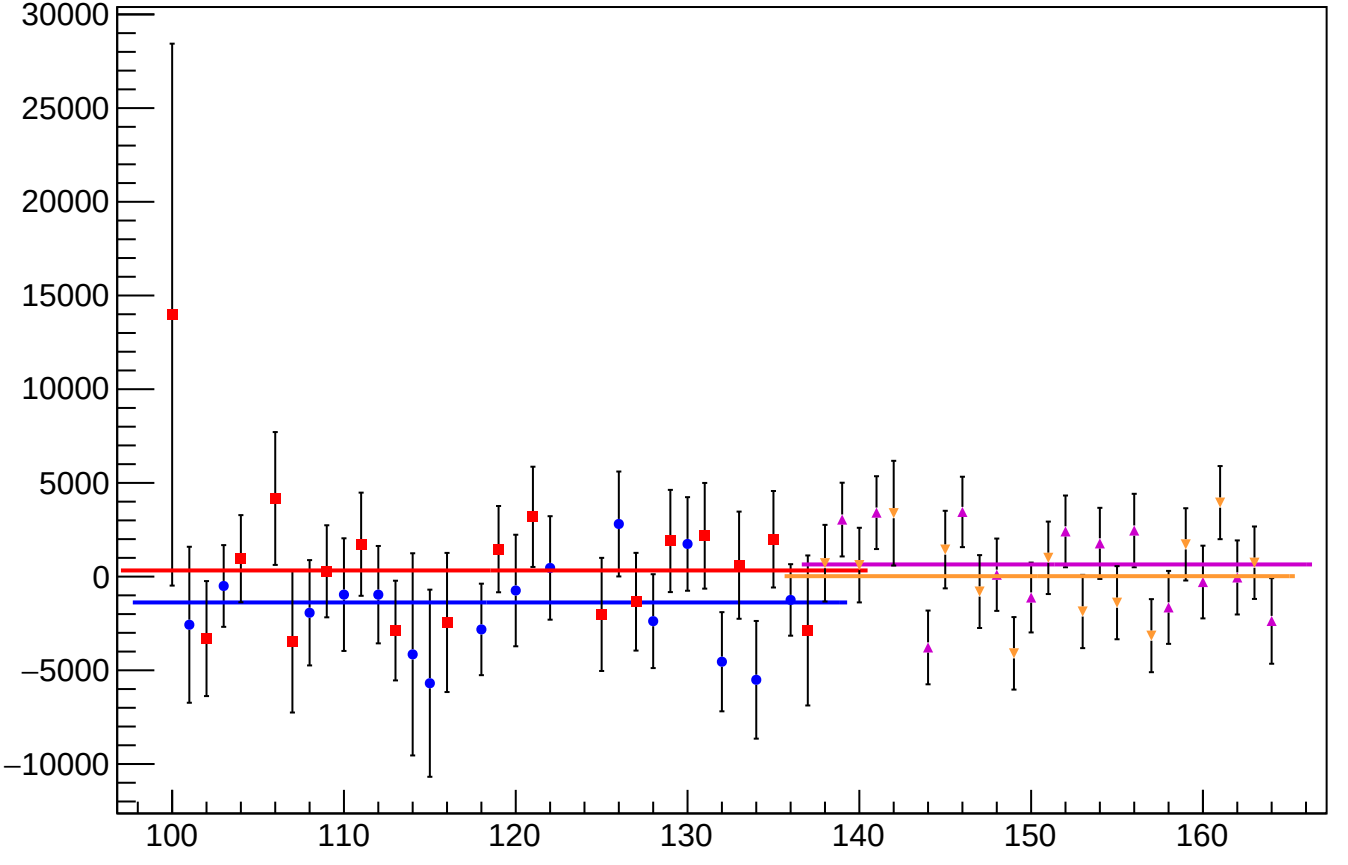
Left In: 0.000+/-0.000 χ^2/NDF:2057585.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 7573707.6/28

All: 0.000+/-0.000 χ^2/NDF: 14169844.4/59

- 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: 23.424+/-555.624 χ^2/NDF:16.2/12

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

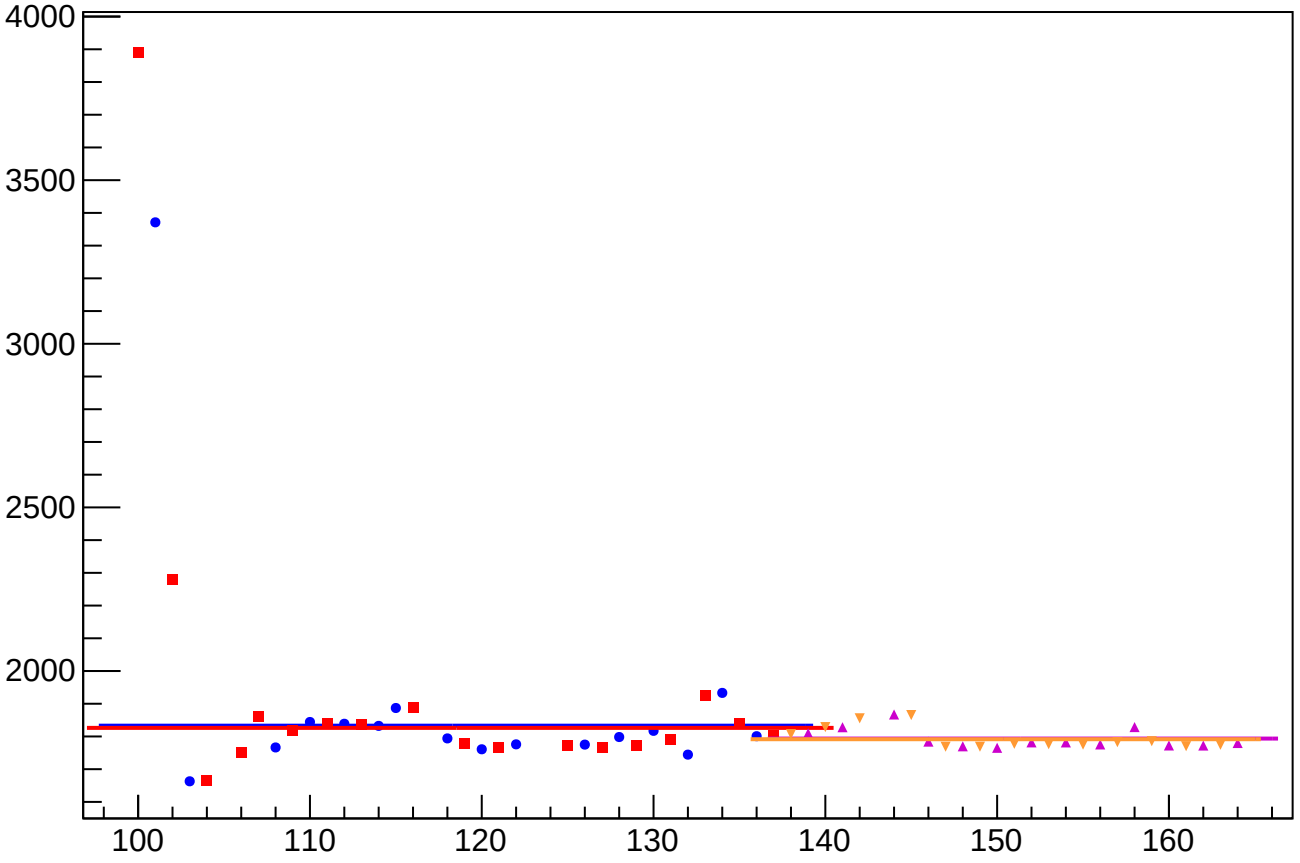
Left In: 649.318+/-541.552 χ^2/NDF:17.3/12

+ sign -529.085+/-432.519 χ^2/NDF: 28.0/28

All: 8.144+/-302.984 χ^2/NDF: 59.5/59

- 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: 1791.586+/-0.393 χ^2/NDF:5782.5/12

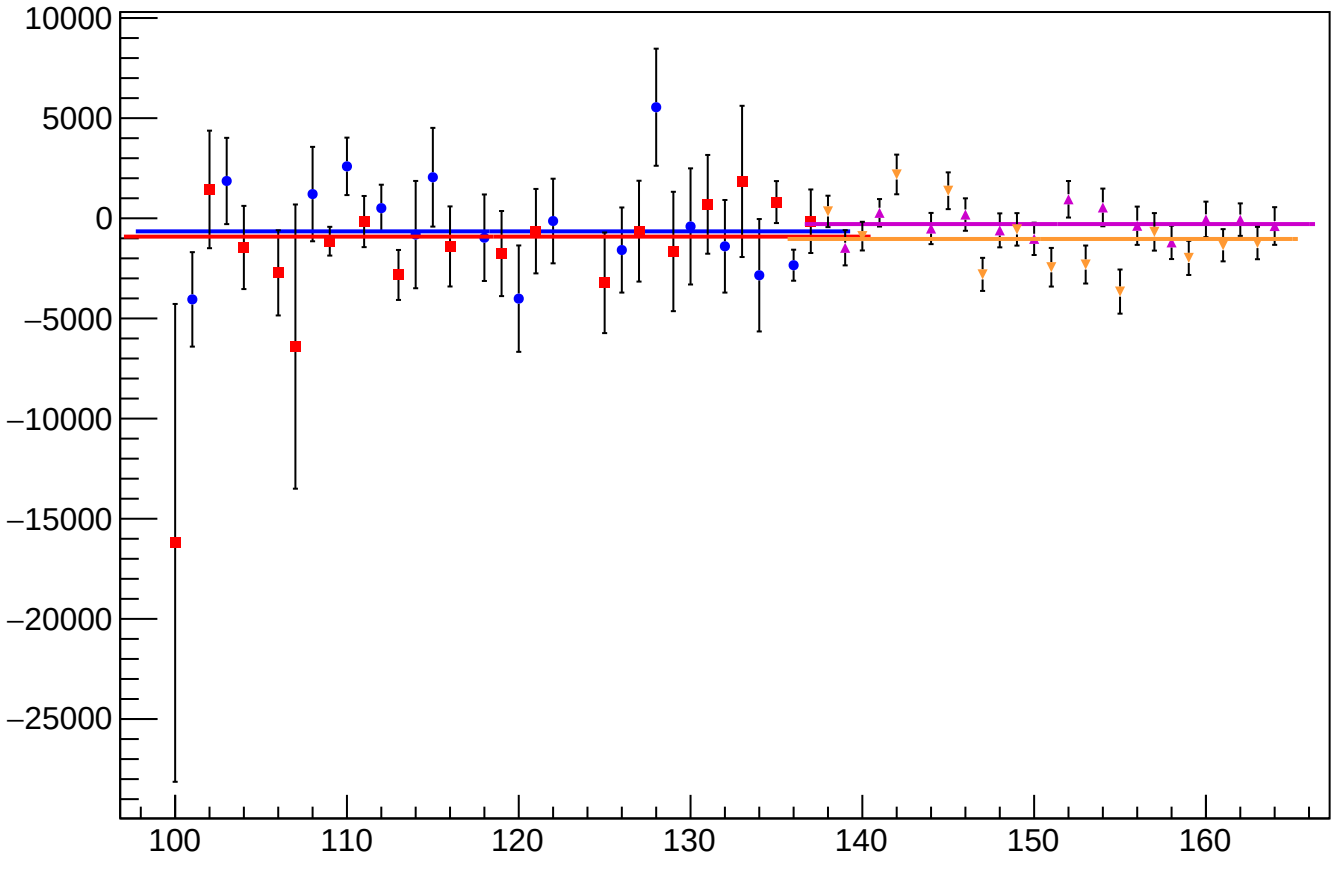
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1807.884+/-0.306 χ^2/NDF: 305588.8/28

All: 1806.991+/-0.214 χ^2/NDF: 417303.8/59

- 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: -1031.638+/-239.901 χ^2/NDF:36.7/12

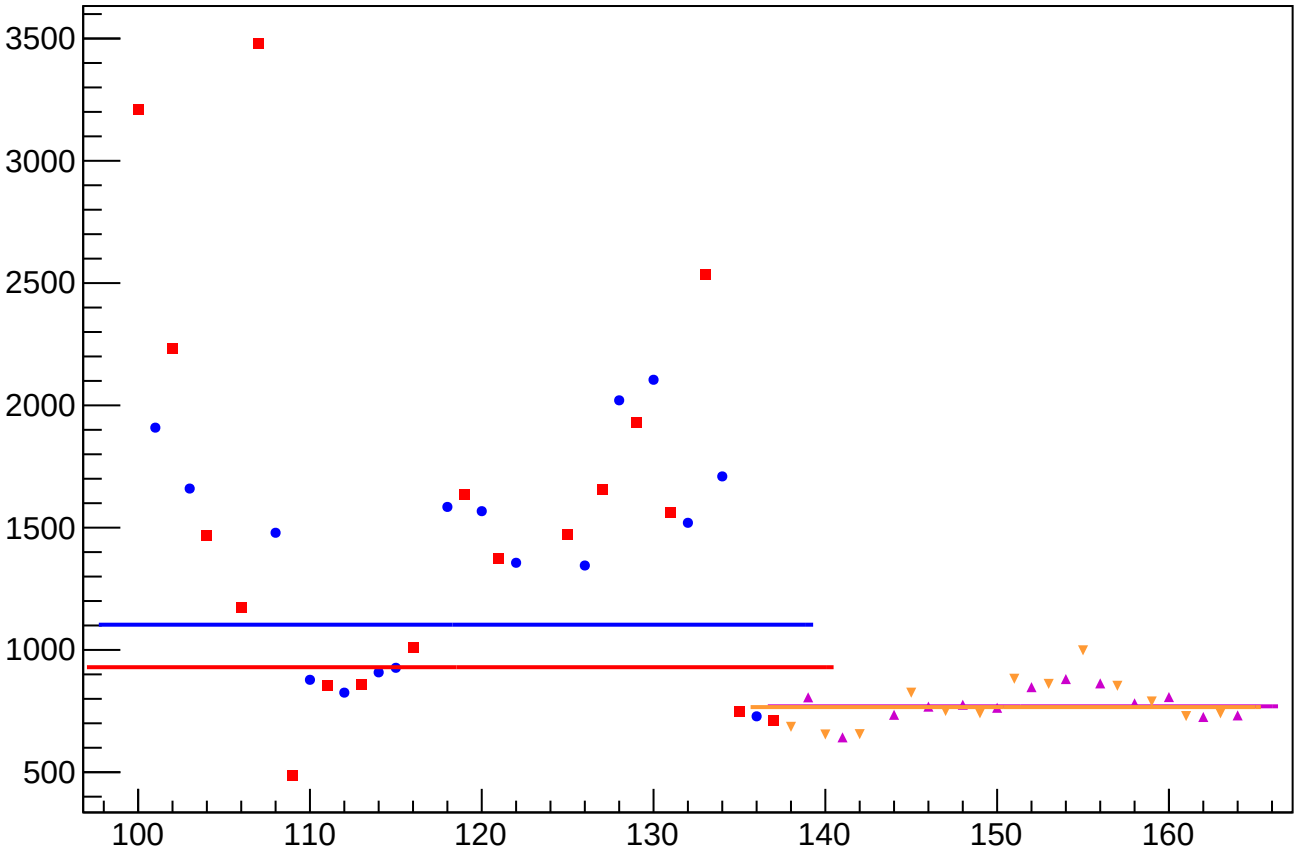
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -287.996+/-233.699 χ^2/NDF:7.9/12

+ sign -945.277+/-210.861 χ^2/NDF: 60.5/28

All: -686.458+/-145.461 χ^2/NDF: 84.7/59

- sign -451.459+/-200.923 χ^2/NDF: 21.3/30



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 766.267+/-0.170 χ^2/NDF:268579.4/12

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

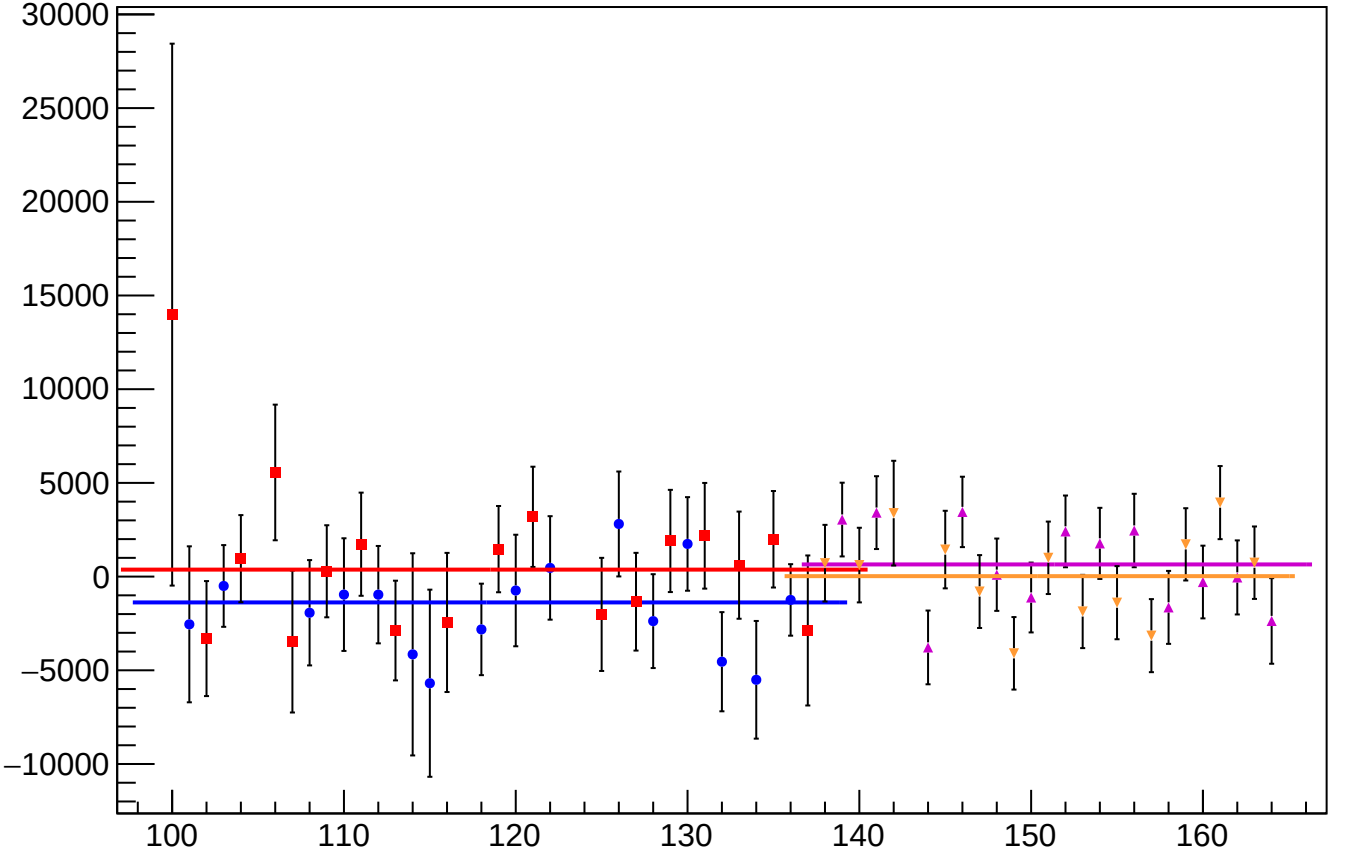
Left In: 769.443+/-0.165 χ^2/NDF:151172.4/12

\+ sign 842.899+/-0.149 χ^2/NDF: 3043958.9/28

All: 826.260+/-0.103 χ^2/NDF: 6517232.7/59

\- 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: 23.560+/-555.624 χ^2/NDF:16.2/12

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

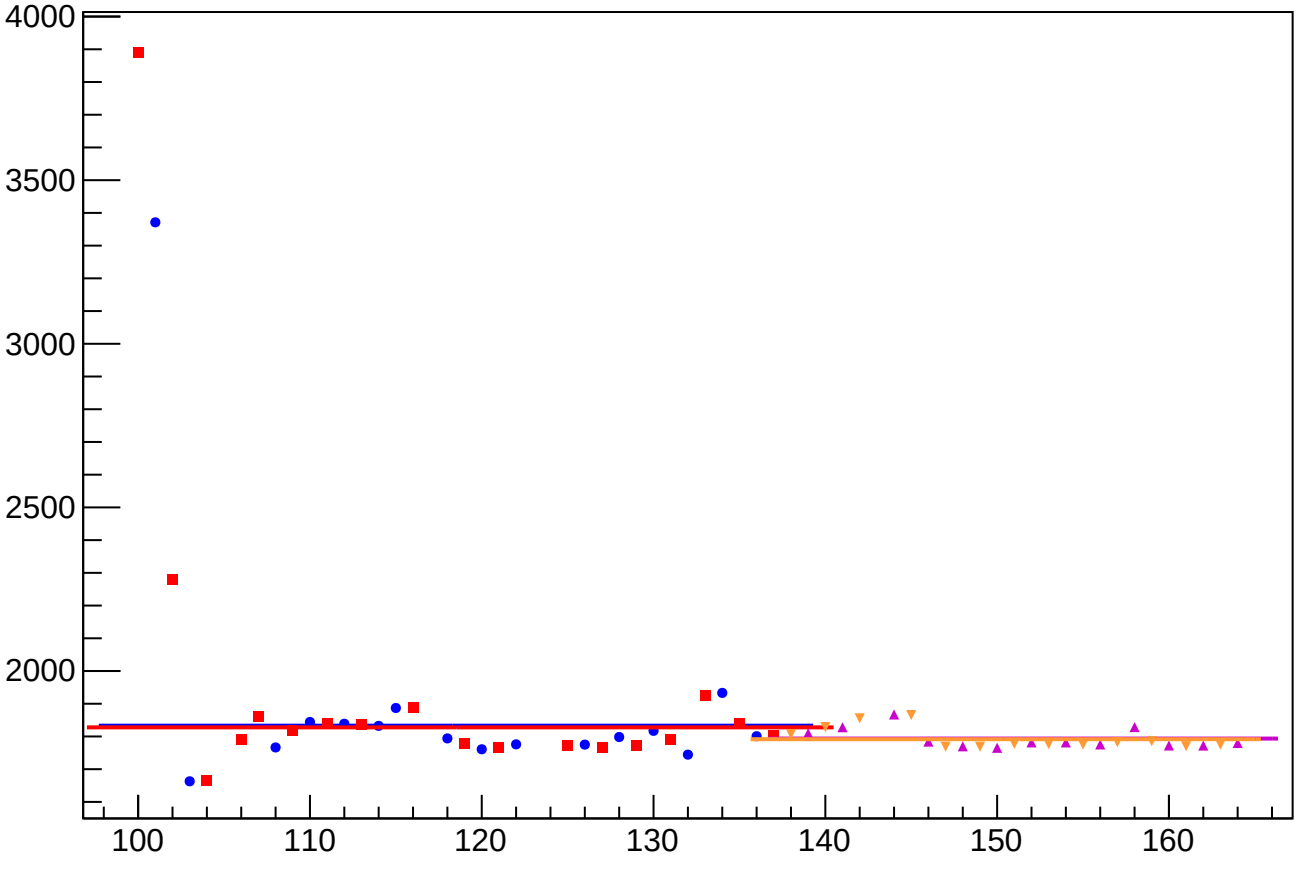
Left In: 649.223+/-541.552 χ^2/NDF:17.3/12

+ sign -528.755+/-432.519 χ^2/NDF: 28.0/28

All: 16.759+/-303.029 χ^2/NDF: 60.5/59

- 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: 1791.586+/-0.393 χ^2/NDF:5782.5/12

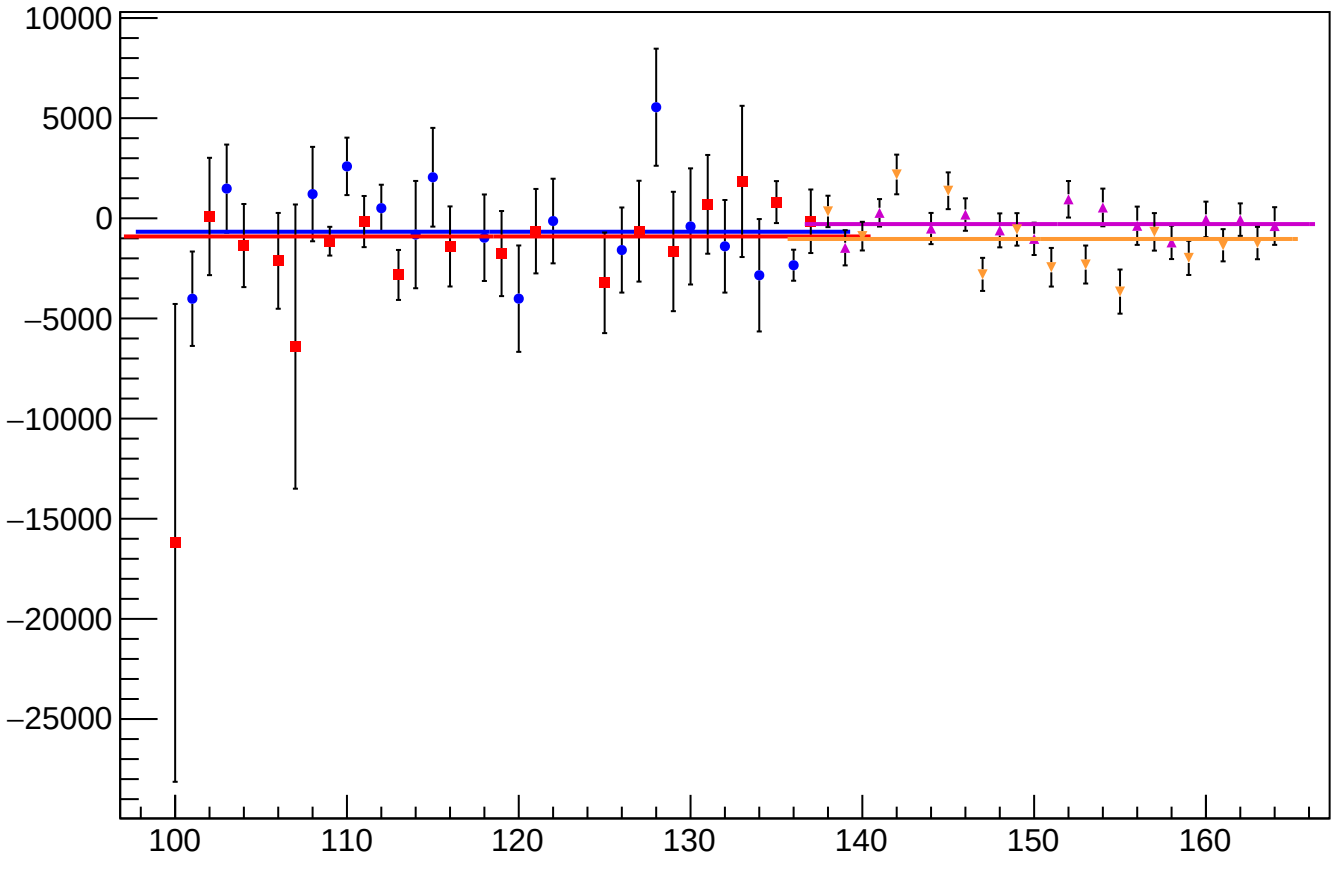
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1807.884+/-0.306 χ^2/NDF: 305590.7/28

All: 1807.294+/-0.214 χ^2/NDF: 416834.4/59

- 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: -1031.581+/-239.903 χ^2/NDF:36.7/12

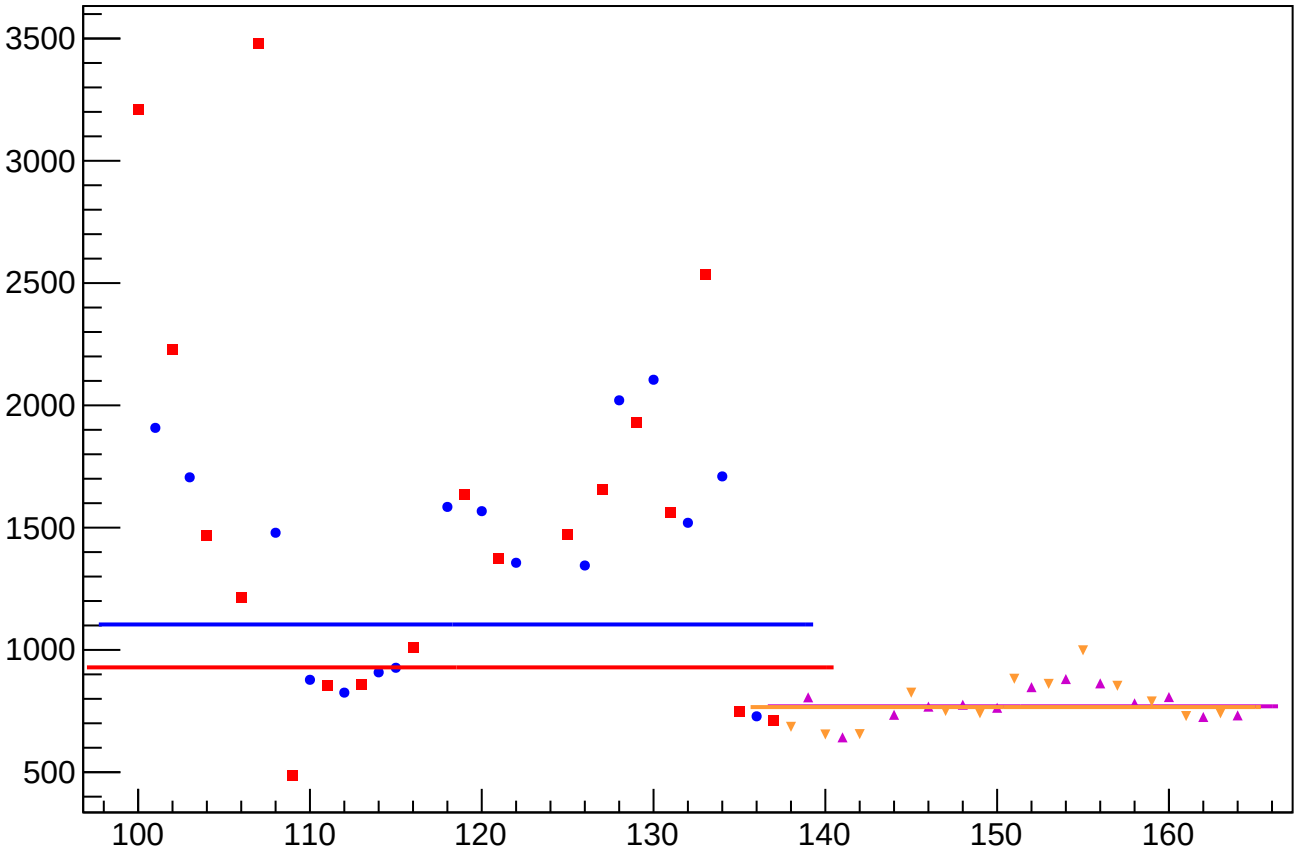
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -287.886+/-233.700 χ^2/NDF:7.9/12

+ sign -949.568+/-210.902 χ^2/NDF: 60.0/28

All: -686.990+/-145.545 χ^2/NDF: 83.2/59

- 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: 766.274+/-0.170 χ^2/NDF:268546.4/12

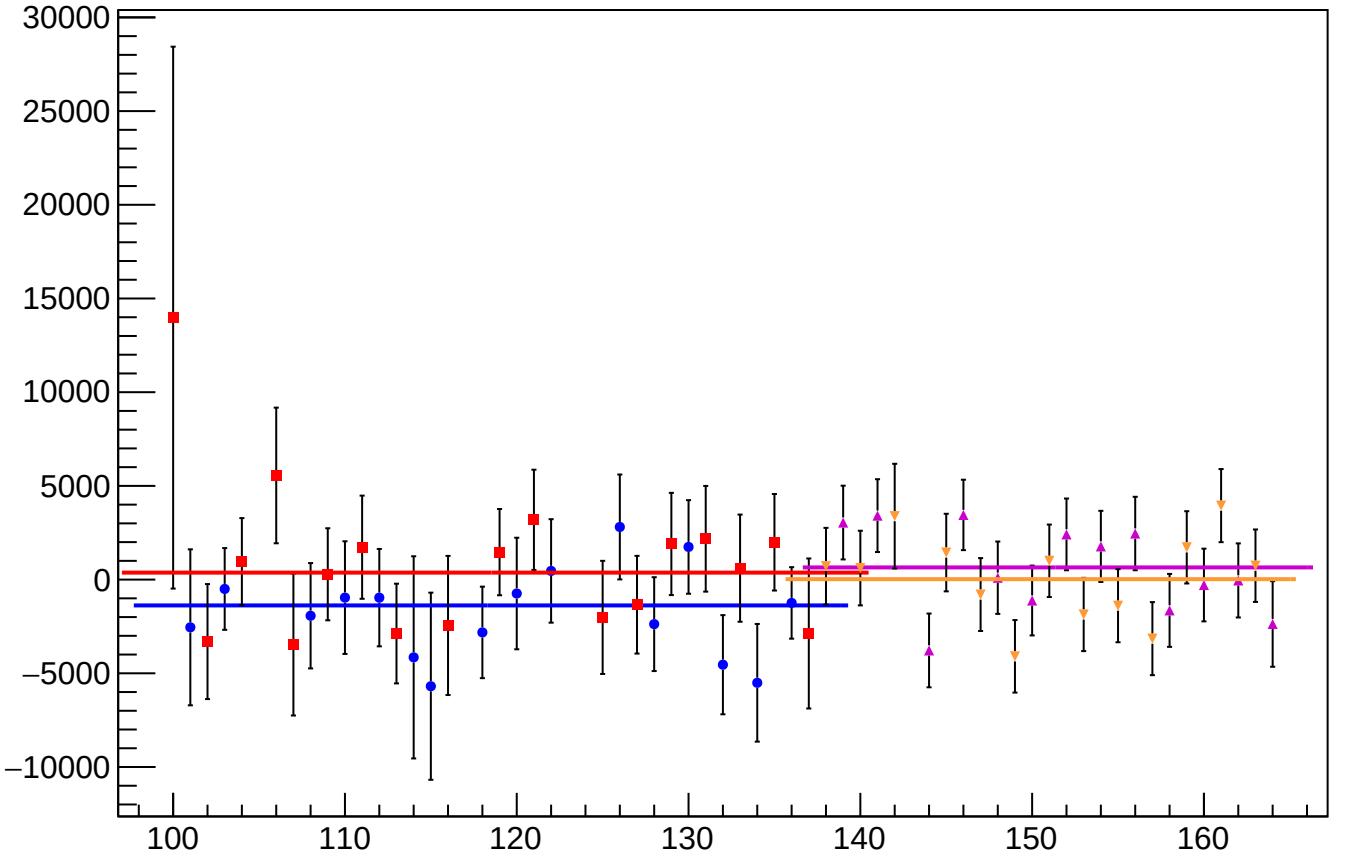
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

\+ sign 843.014+/-0.149 χ^2/NDF: 3063932.5/28

All: 826.115+/-0.103 χ^2/NDF: 6534805.8/59

\- sign 810.749+/-0.142 χ^2/NDF: 3446357.1/30



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 23.560+/-555.624 χ^2/NDF:16.2/12

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

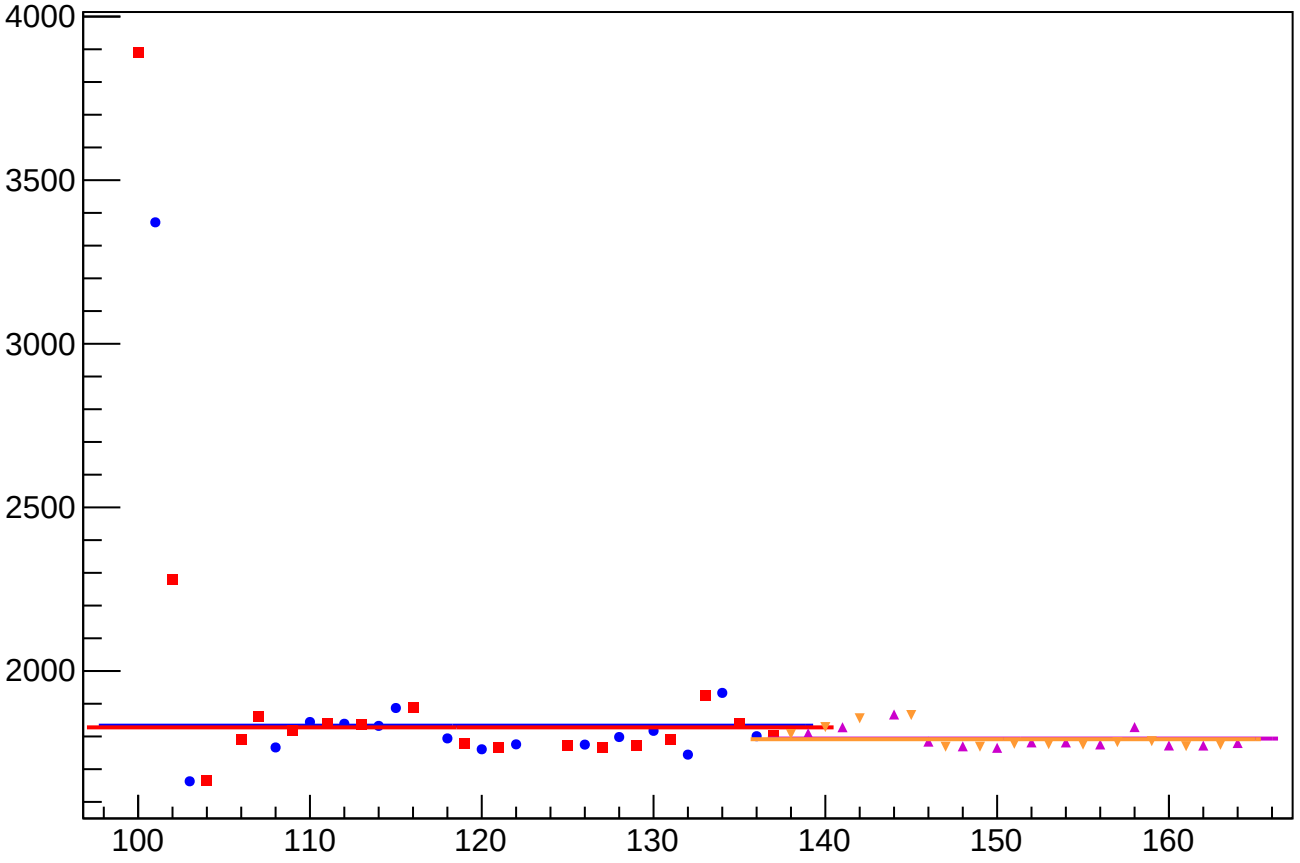
Left In: 649.223+/-541.552 χ^2/NDF:17.3/12

\+ sign -528.755+/-432.519 χ^2/NDF: 28.0/28

All: 16.759+/-303.029 χ^2/NDF: 60.5/59

\- 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: 1791.586+/-0.393 χ^2/NDF:5782.5/12

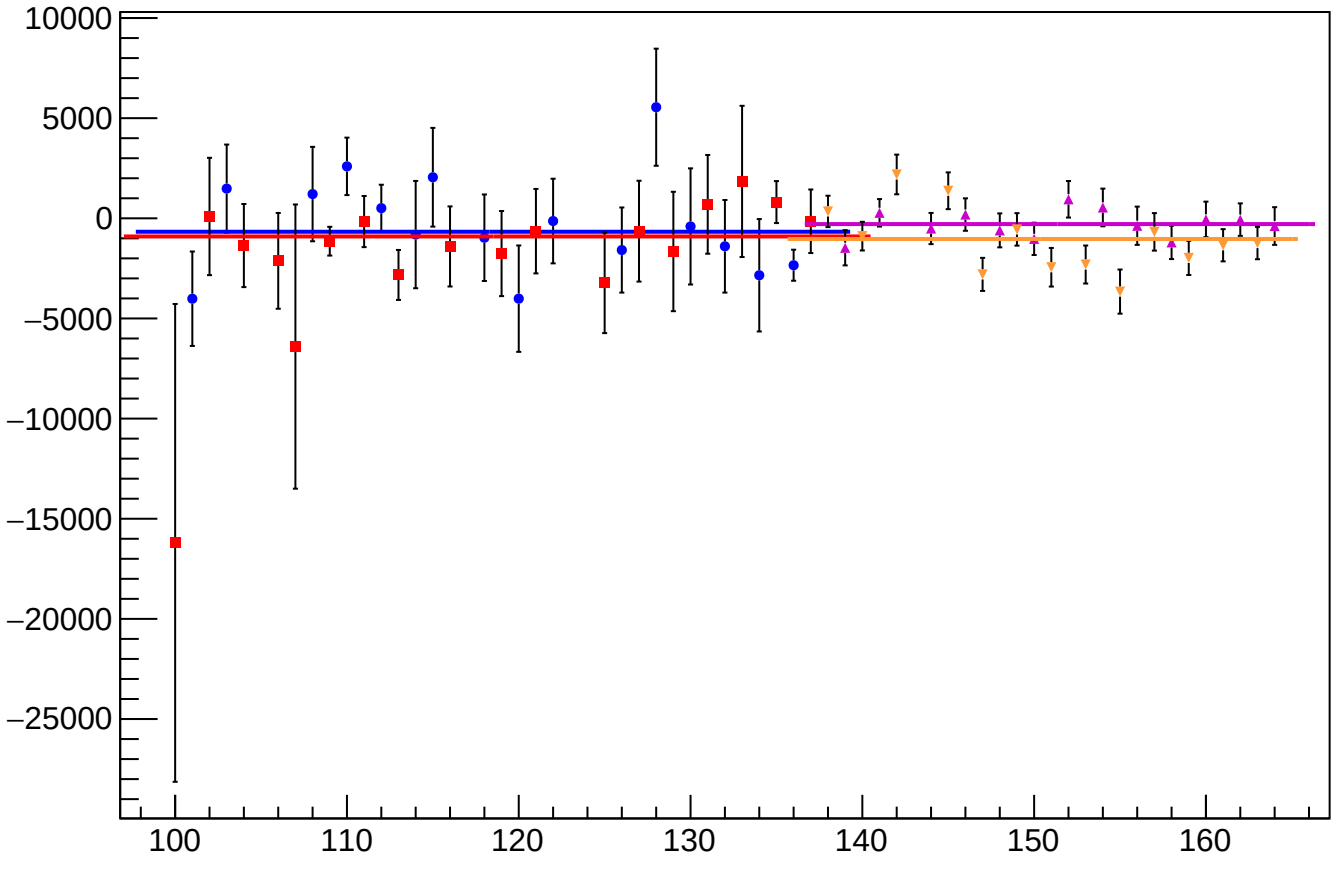
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1807.884+/-0.306 χ^2/NDF: 305590.7/28

All: 1807.294+/-0.214 χ^2/NDF: 416834.4/59

- 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: -1031.581+/-239.903 χ^2/NDF:36.7/12

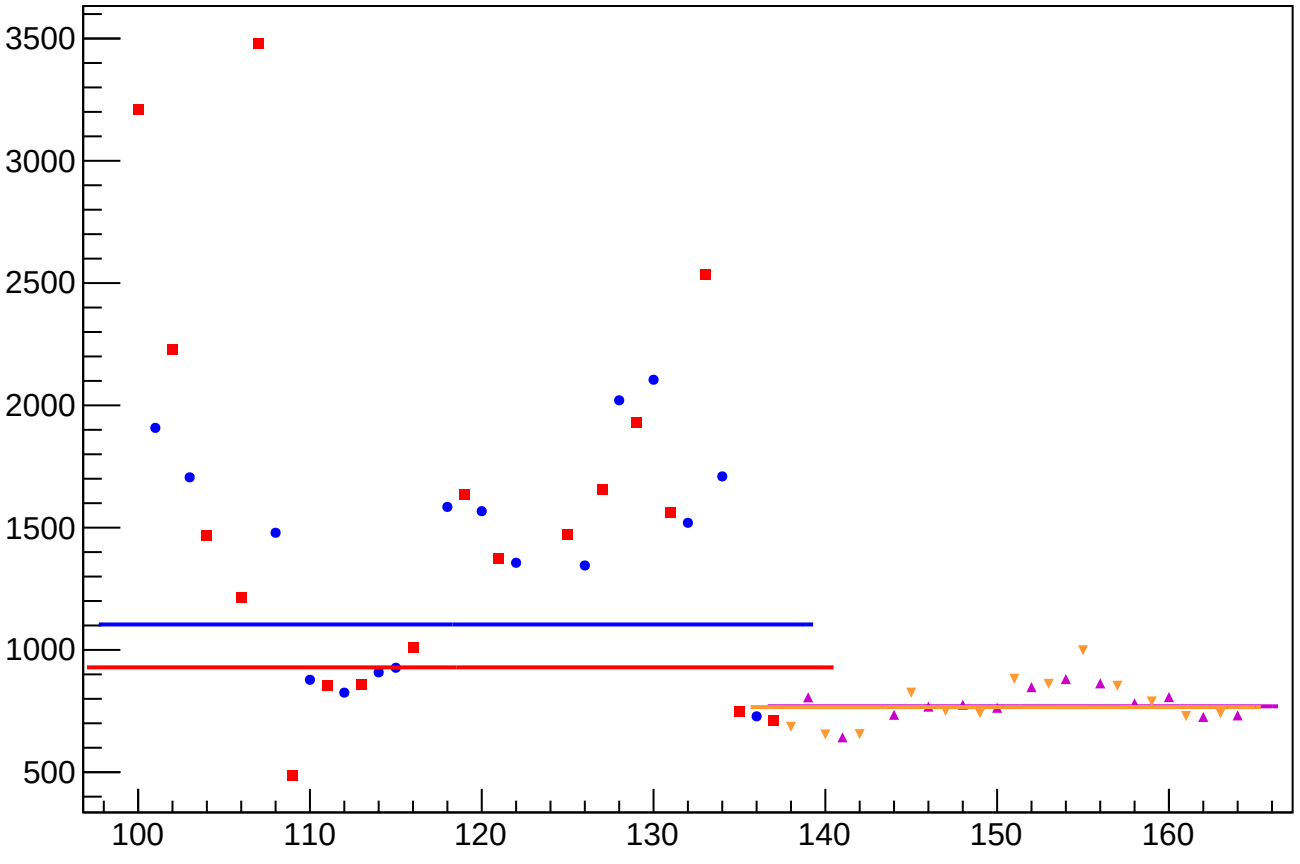
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -287.886+/-233.700 χ^2/NDF:7.9/12

+ sign -949.568+/-210.902 χ^2/NDF: 60.0/28

All: -686.990+/-145.545 χ^2/NDF: 83.2/59

- 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: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

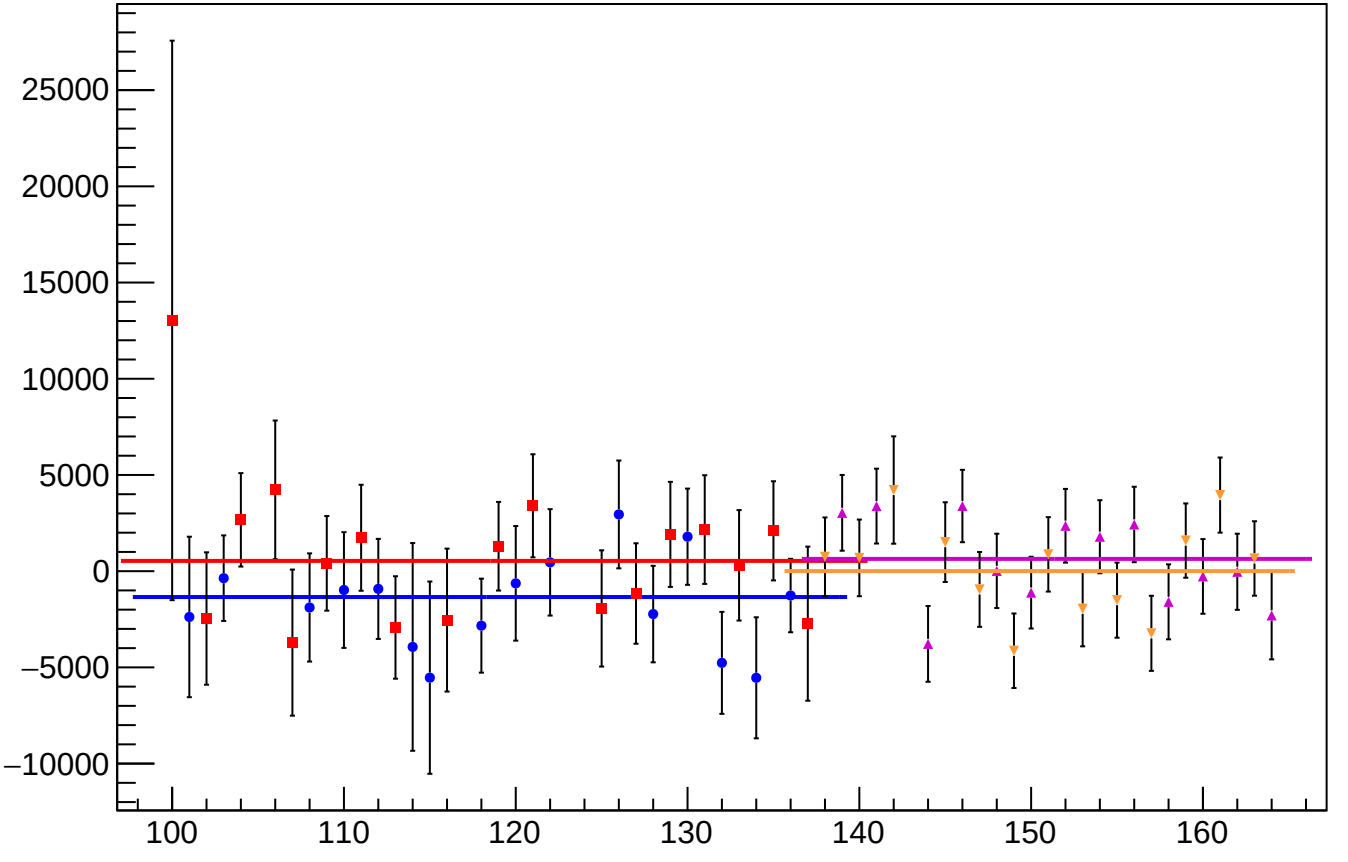
Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

\+ sign 843.014+/-0.149 χ^2/NDF: 3063932.5/28

All: 826.115+/-0.103 χ^2/NDF: 6534805.8/59

\- 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: 4.163+/-555.979 χ^2/NDF:17.3/12

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

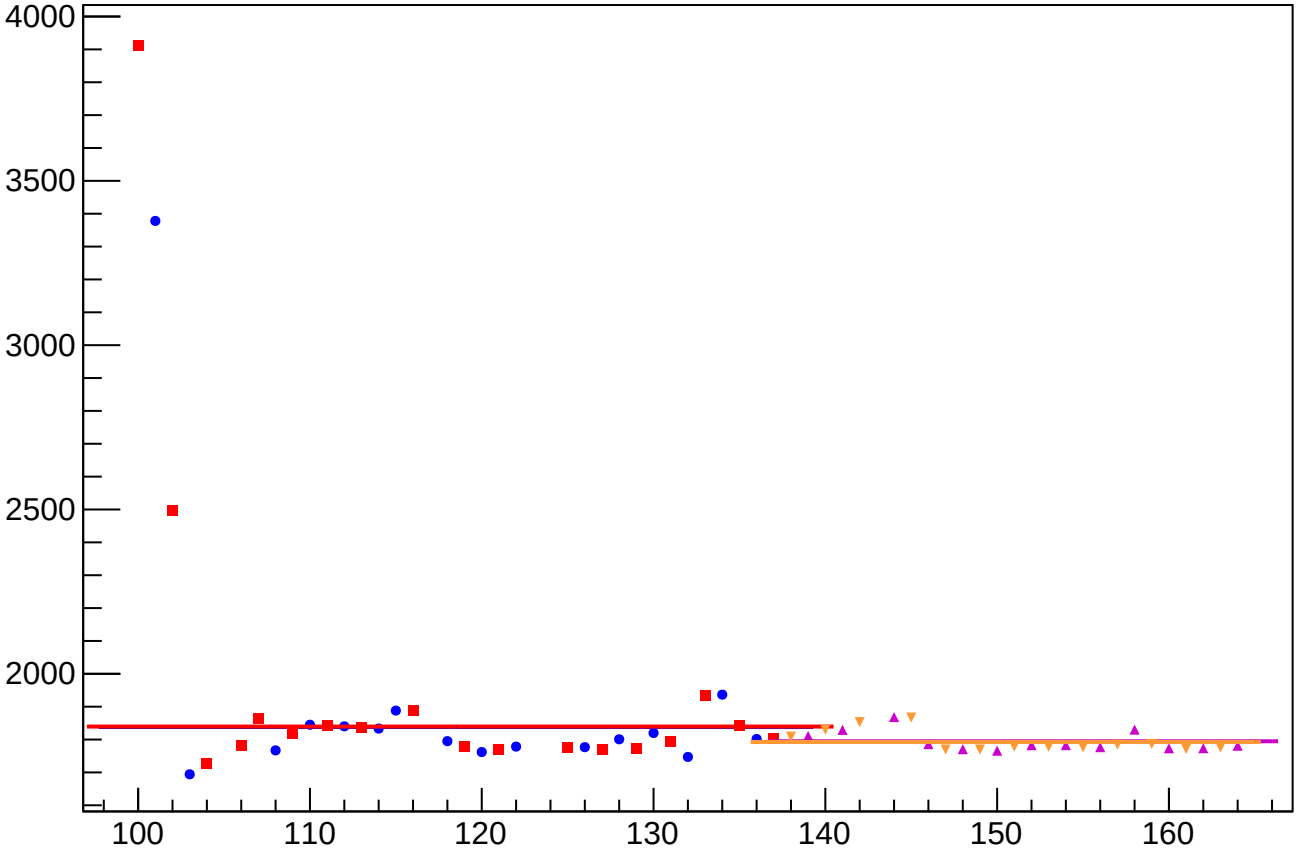
Left In: 638.462+/-541.922 χ^2/NDF:16.9/12

+ sign -525.669+/-433.158 χ^2/NDF: 29.2/28

All: 45.357+/-303.878 χ^2/NDF: 60.7/59

- 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: 1792.720+/-0.393 χ^2/NDF:5687.2/12

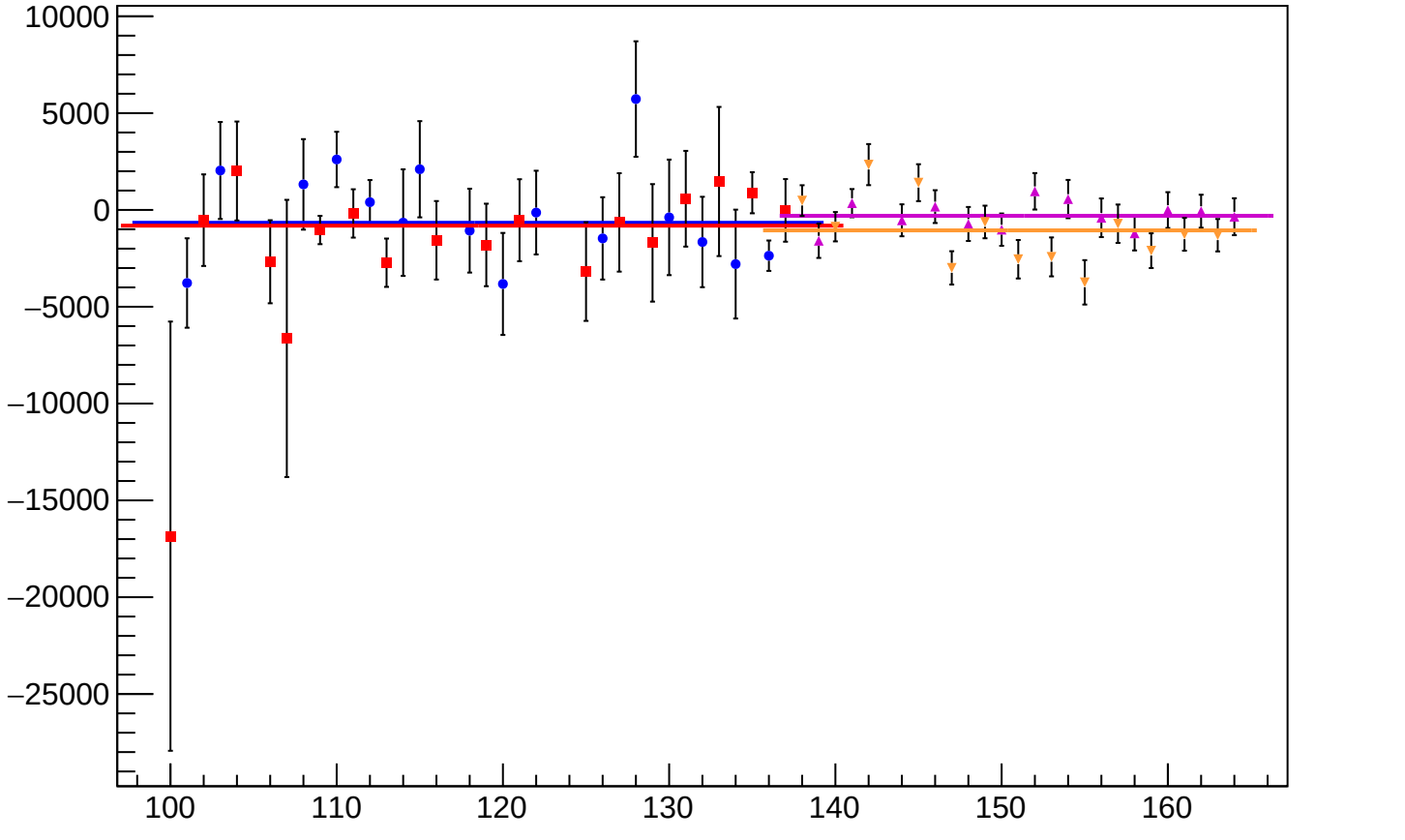
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.0/12

+ sign 1810.578+/-0.306 χ^2/NDF: 302921.6/28

All: 1811.203+/-0.215 χ^2/NDF: 442298.2/59

- 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: -1055.695+/-250.642 χ^2/NDF:37.3/12

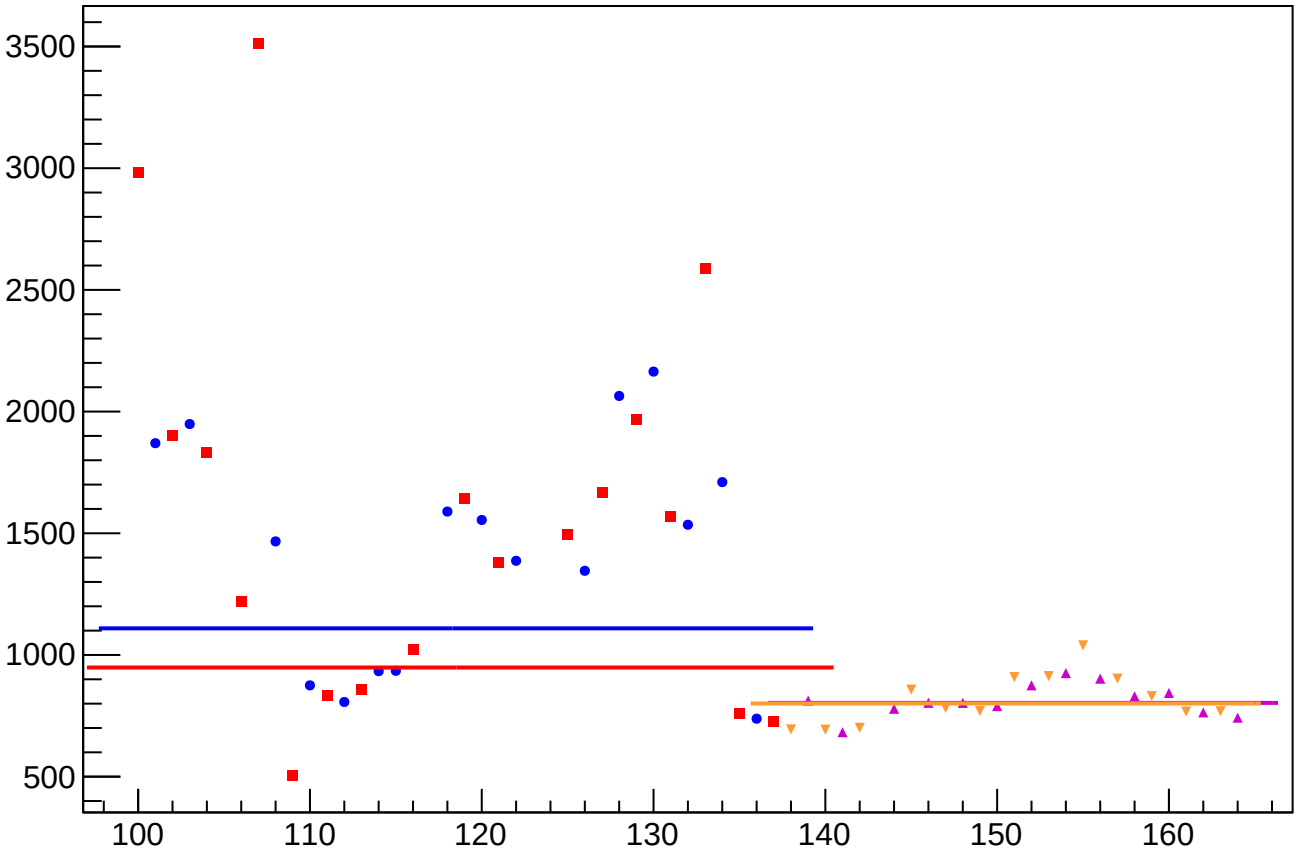
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -302.587+/-243.759 χ^2/NDF:8.1/12

+ sign -961.529+/-218.491 χ^2/NDF: 60.6/28

All: -688.693+/-150.557 χ^2/NDF: 85.1/59

- sign -442.012+/-207.754 χ^2/NDF: 21.5/30



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 800.690+/-0.177 χ^2/NDF:270045.2/12

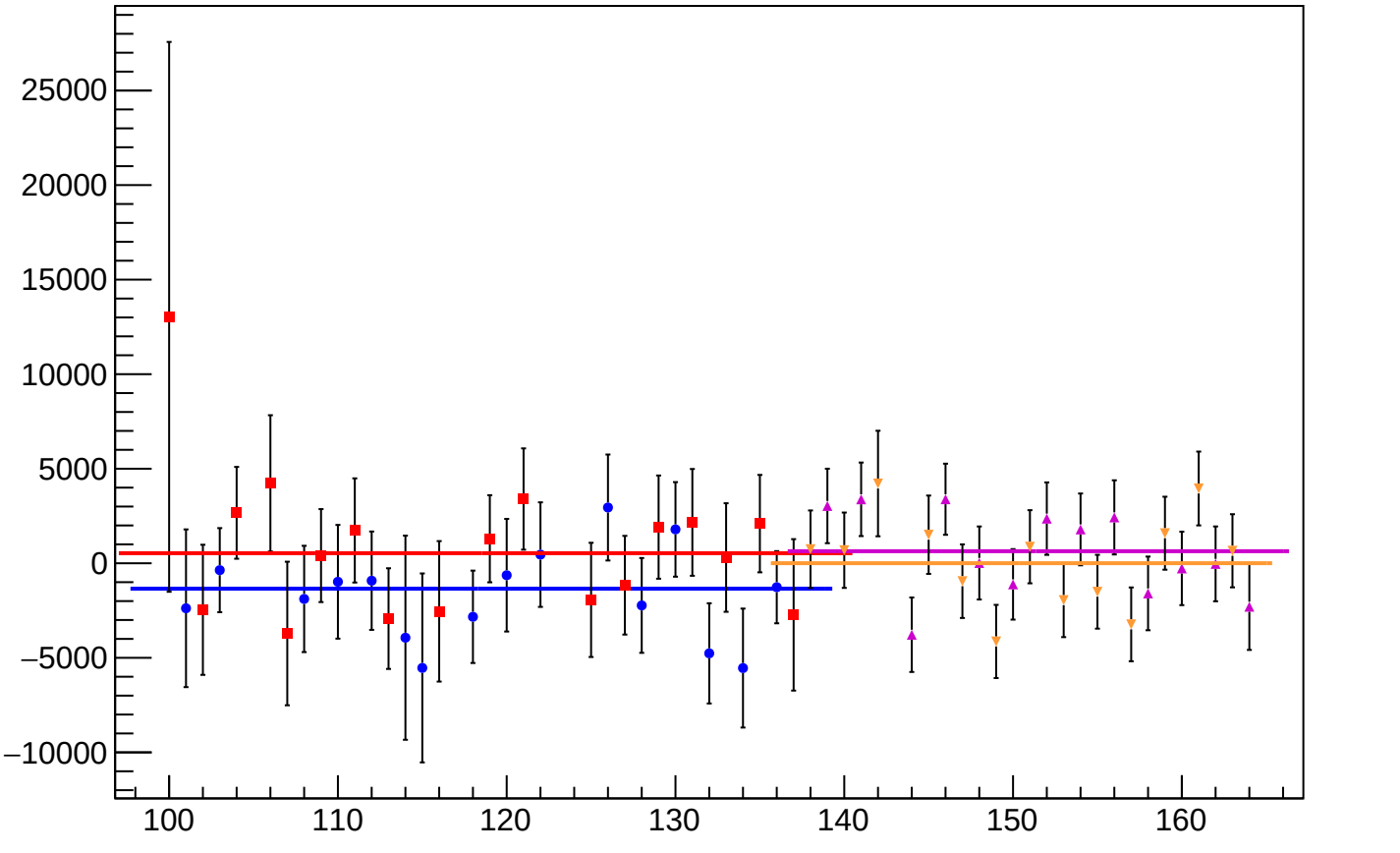
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 803.072+/-0.172 χ^2/NDF:137642.8/12

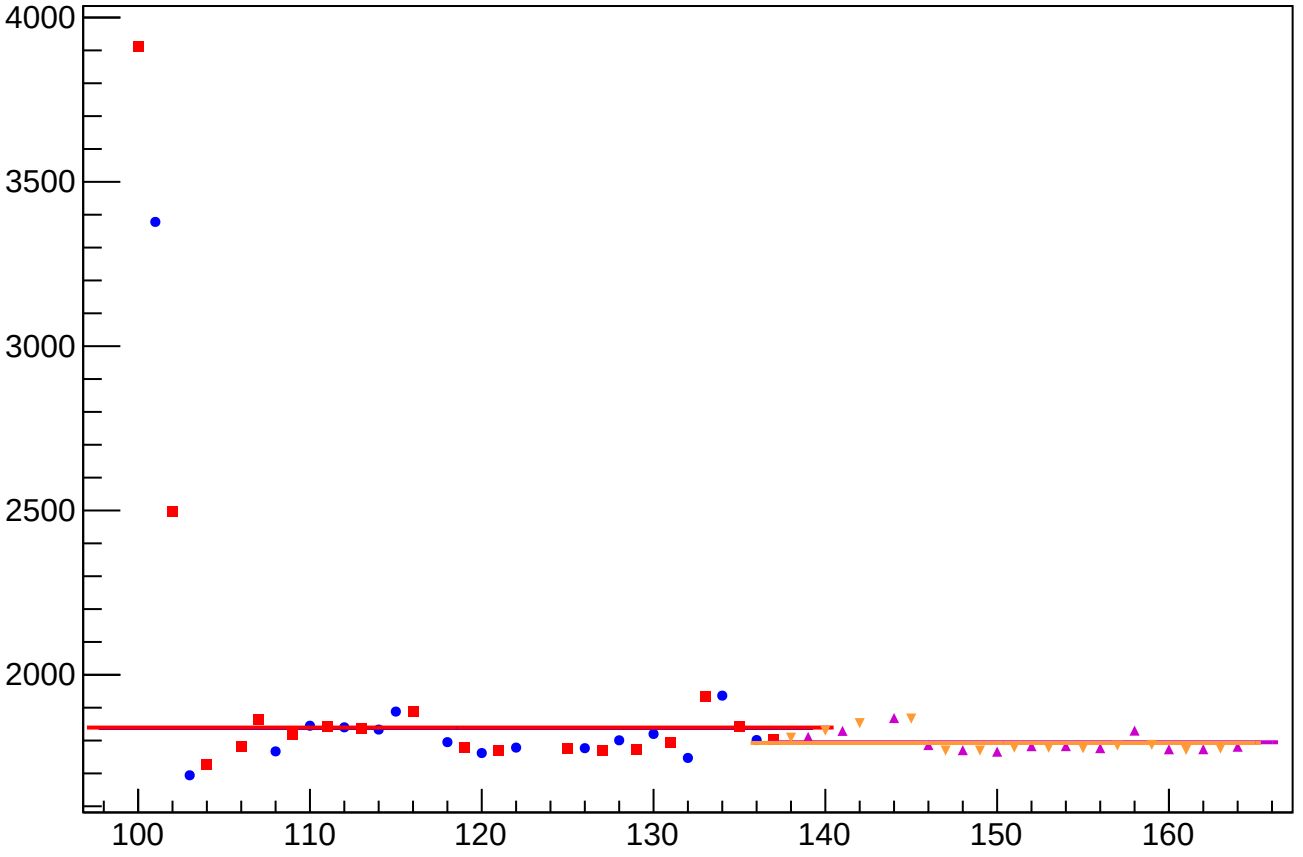
+ sign 874.801+/-0.154 χ^2/NDF: 2971692.7/28

All: 858.018+/-0.106 χ^2/NDF: 6380078.3/59

- 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: 4.166+/-555.979 χ²/NDF:17.3/12
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 638.461+/-541.922 χ²/NDF:16.9/12
+ sign -525.669+/-433.158 χ²/NDF: 29.2/28
All: 45.358+/-303.878 χ²/NDF: 60.7/59
- 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: 1792.720+/-0.393 χ^2/NDF:5687.2/12

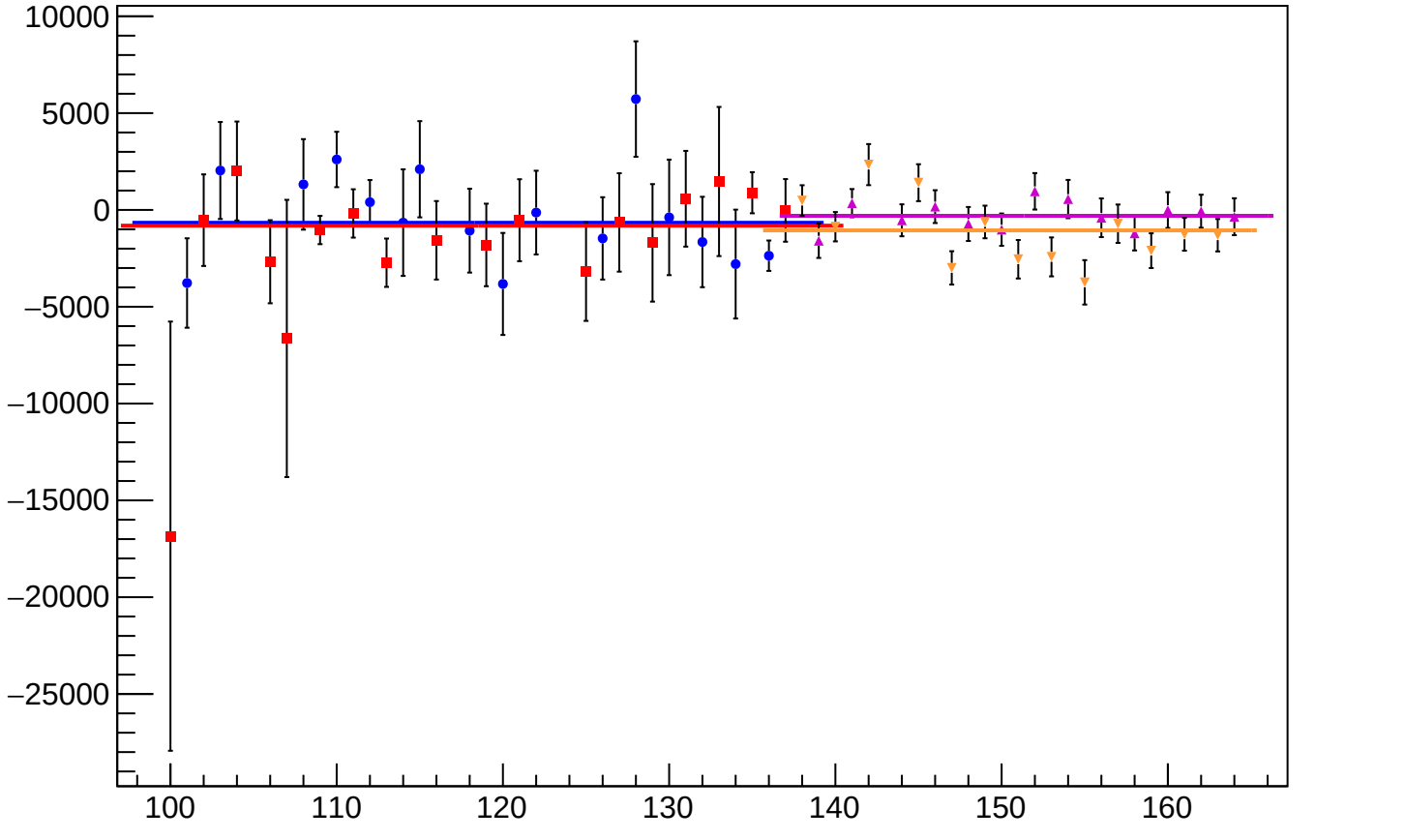
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.1/12

+ sign 1810.578+/-0.306 χ^2/NDF: 302921.6/28

All: 1811.203+/-0.215 χ^2/NDF: 442298.3/59

- 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: -1055.702+/-250.642 χ^2/NDF:37.3/12

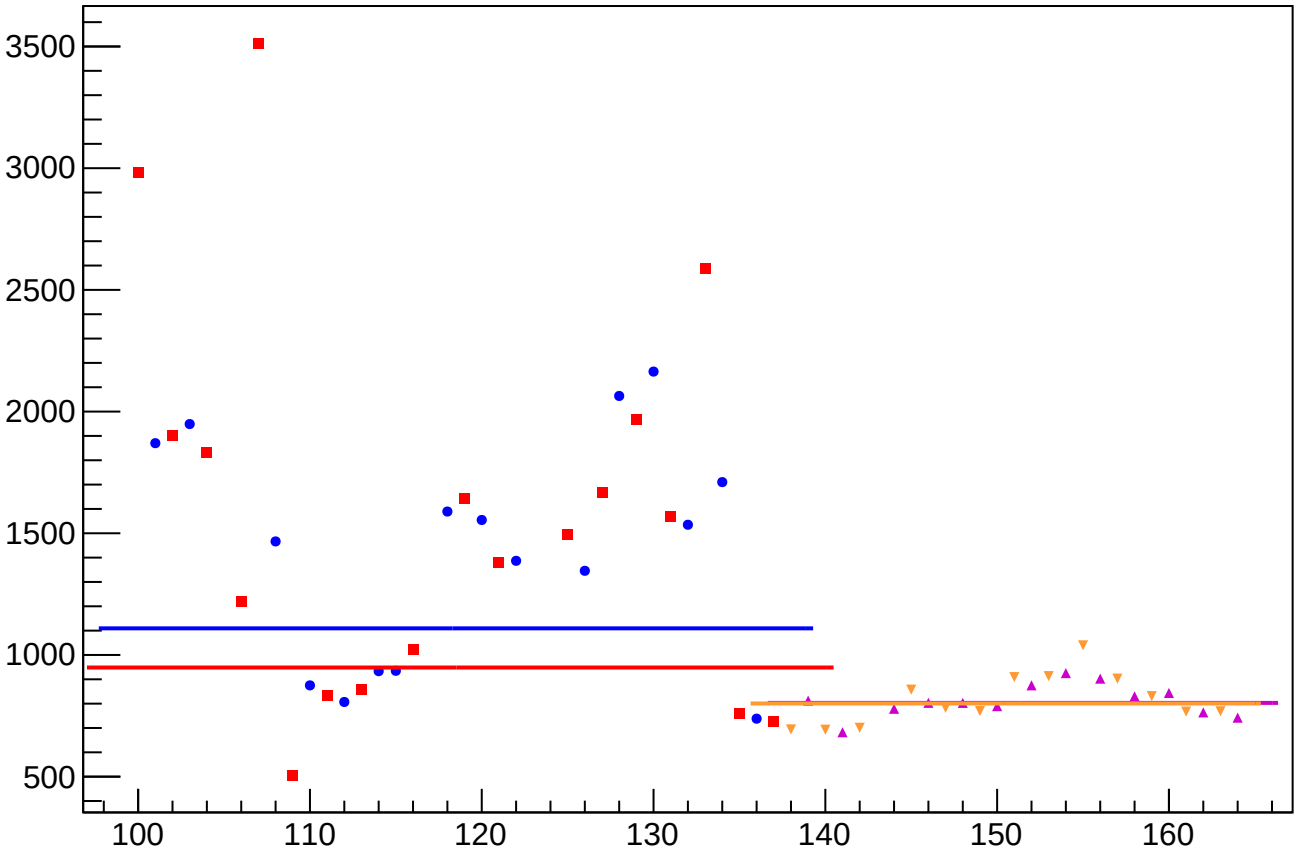
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -302.584+/-243.759 χ^2/NDF:8.1/12

+ sign -961.530+/-218.491 χ^2/NDF: 60.6/28

All: -688.693+/-150.557 χ^2/NDF: 85.1/59

- 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: 800.692+/-0.177 χ^2/NDF:270032.3/12

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

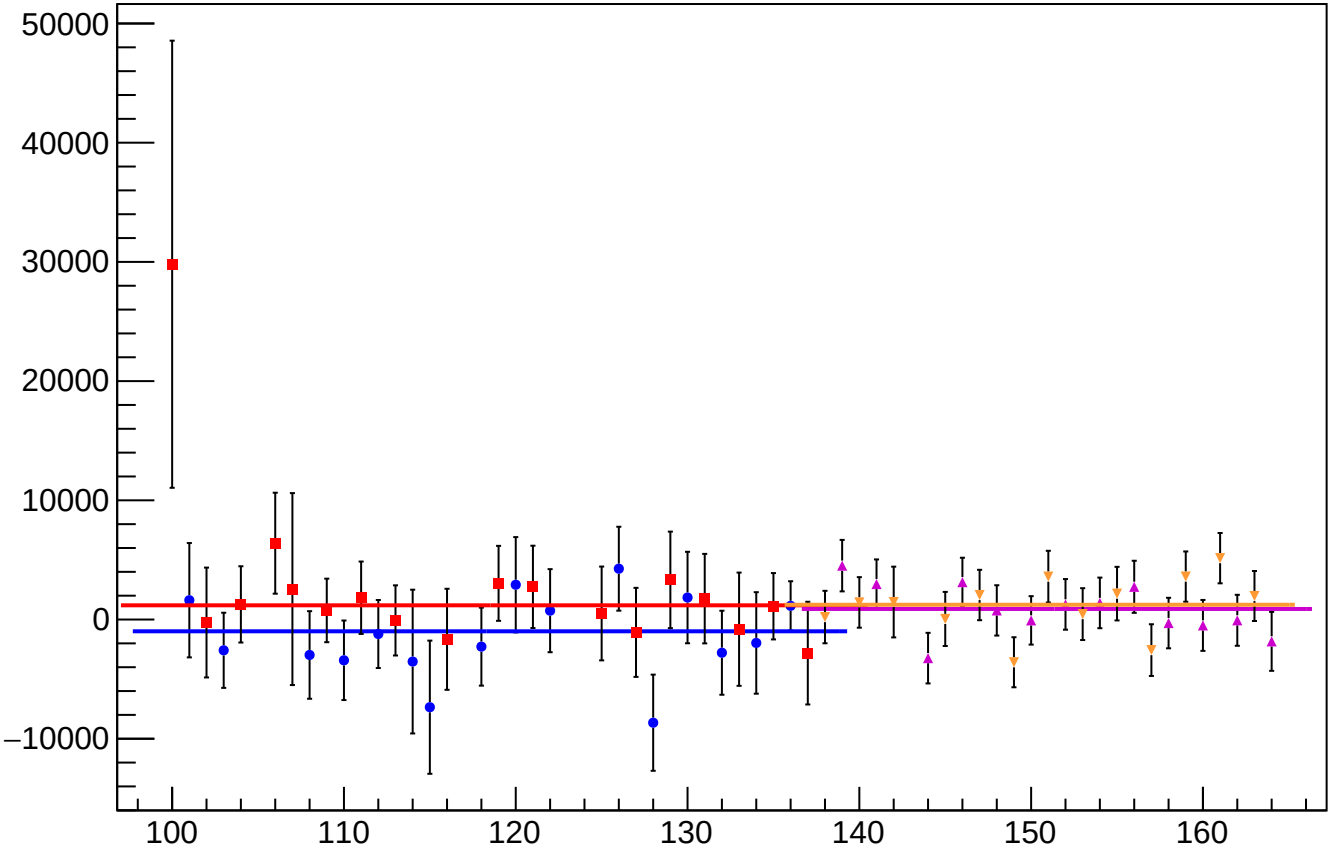
Left In: 803.072+/-0.172 χ^2/NDF:137646.3/12

+ sign 874.803+/-0.154 χ^2/NDF: 2971644.6/28

All: 858.019+/-0.106 χ^2/NDF: 6380014.2/59

- 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: 1239.037+/-608.695 χ^2/NDF:15.3/12

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

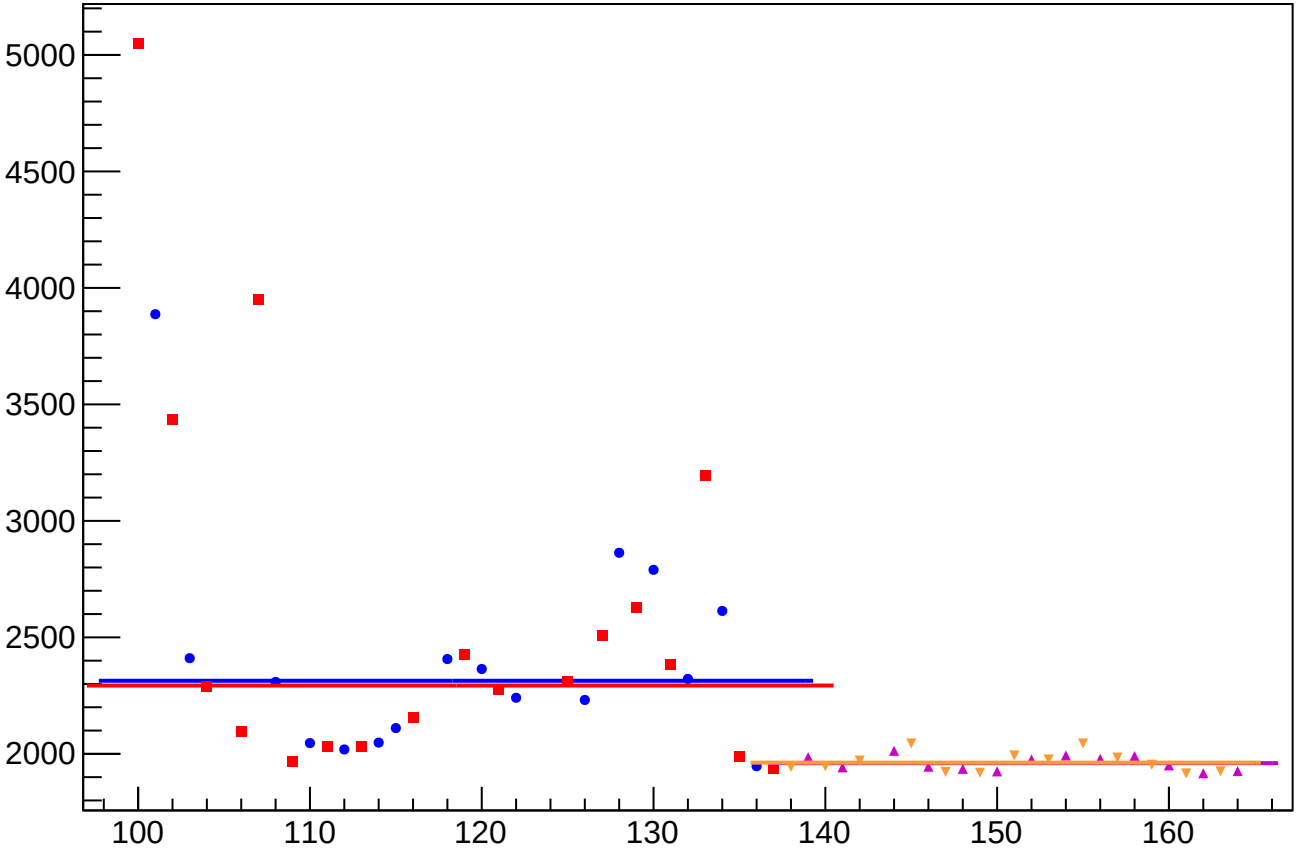
Left In: 886.259+/-591.879 χ^2/NDF:12.0/12

+ sign 511.622+/-499.465 χ^2/NDF: 31.7/28

All: 752.078+/-349.578 χ^2/NDF: 51.2/59

- 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: 1962.422+/-0.430 χ^2/NDF:9462.6/12

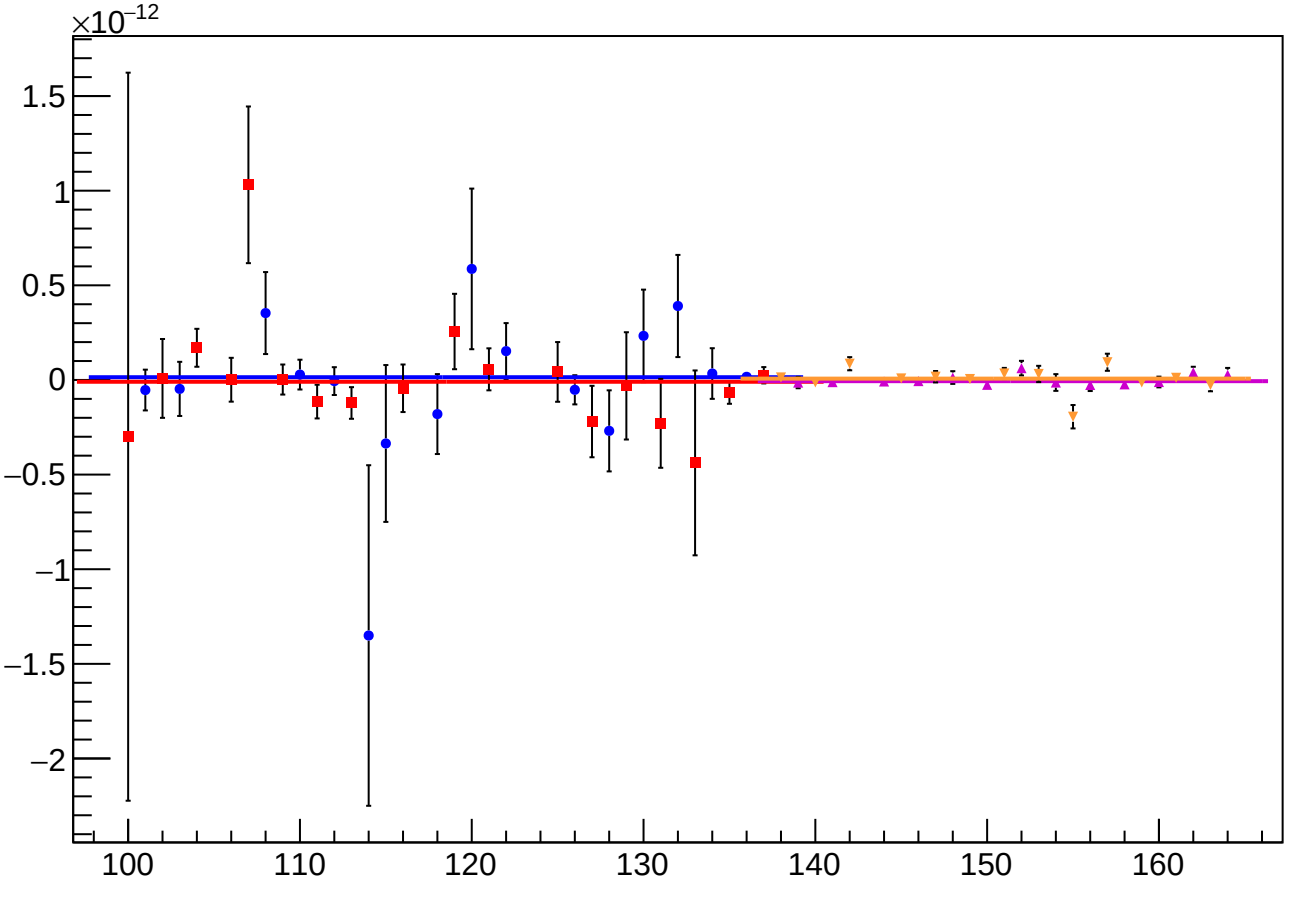
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1960.121+/-0.419 χ^2/NDF:5040.8/12

+ sign 2077.198+/-0.353 χ^2/NDF: 629879.8/28

All: 2071.209+/-0.247 χ^2/NDF: 1289038.1/59

- 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:23.9/12

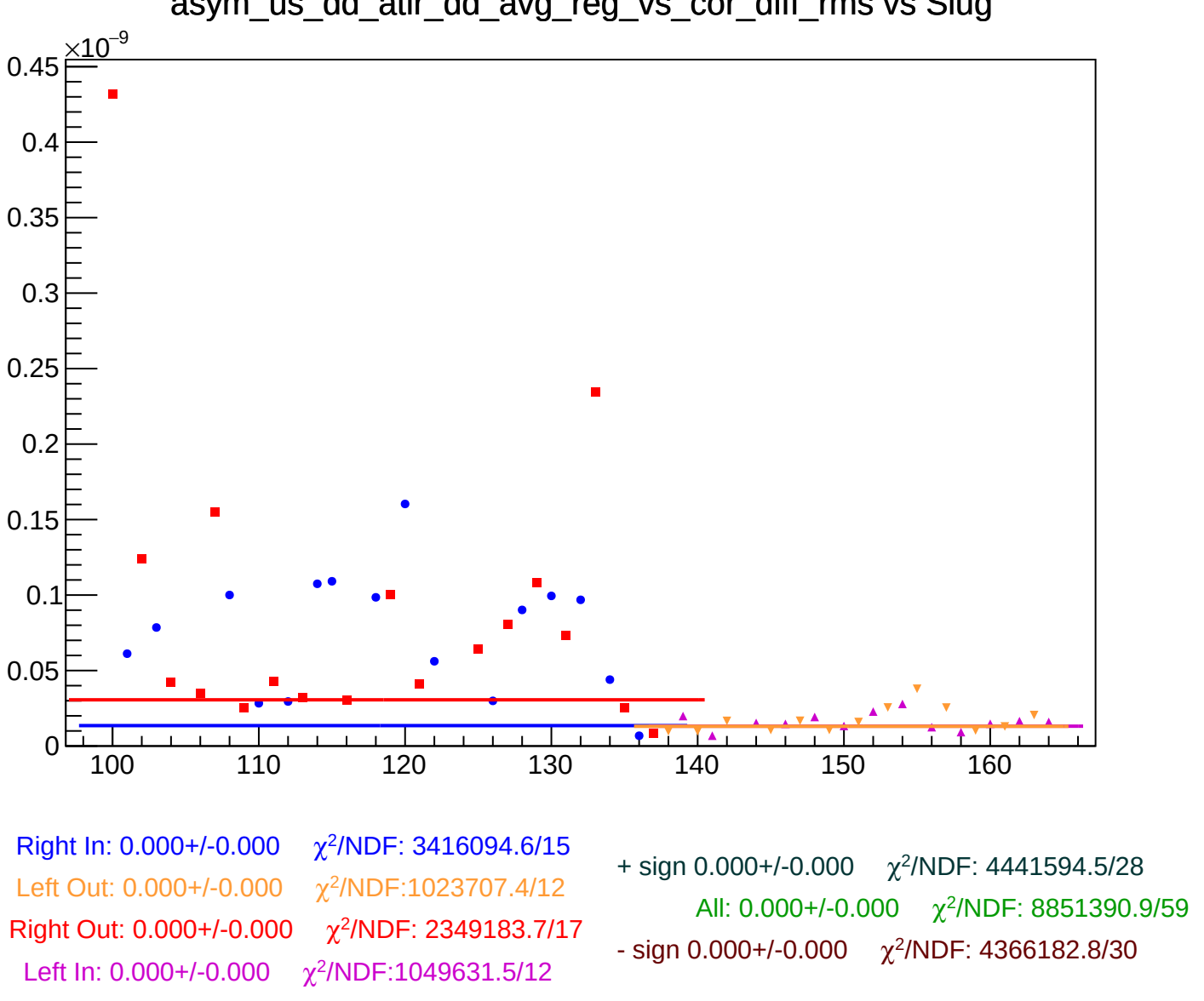
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

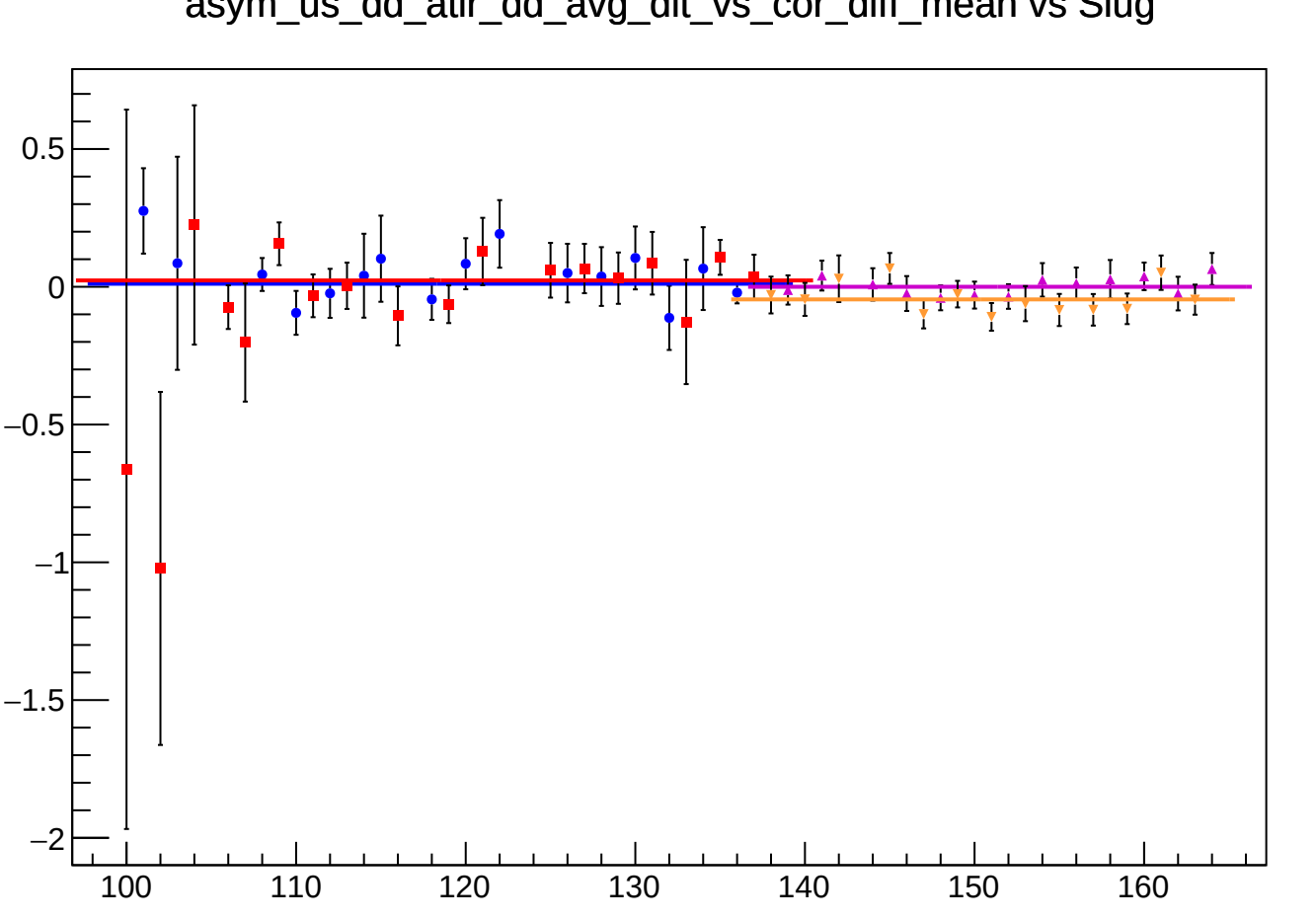
Left In: -0.000+/-0.000 χ^2/NDF:8.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/28

All: 0.000+/-0.000 χ^2/NDF: 70.1/59

- sign -0.000+/-0.000 χ^2/NDF: 28.4/30


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1023707.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1049631.5/12
+ sign 0.000+/-0.000 χ²/NDF: 4441594.5/28
All: 0.000+/-0.000 χ²/NDF: 8851390.9/59
- sign 0.000+/-0.000 χ²/NDF: 4366182.8/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

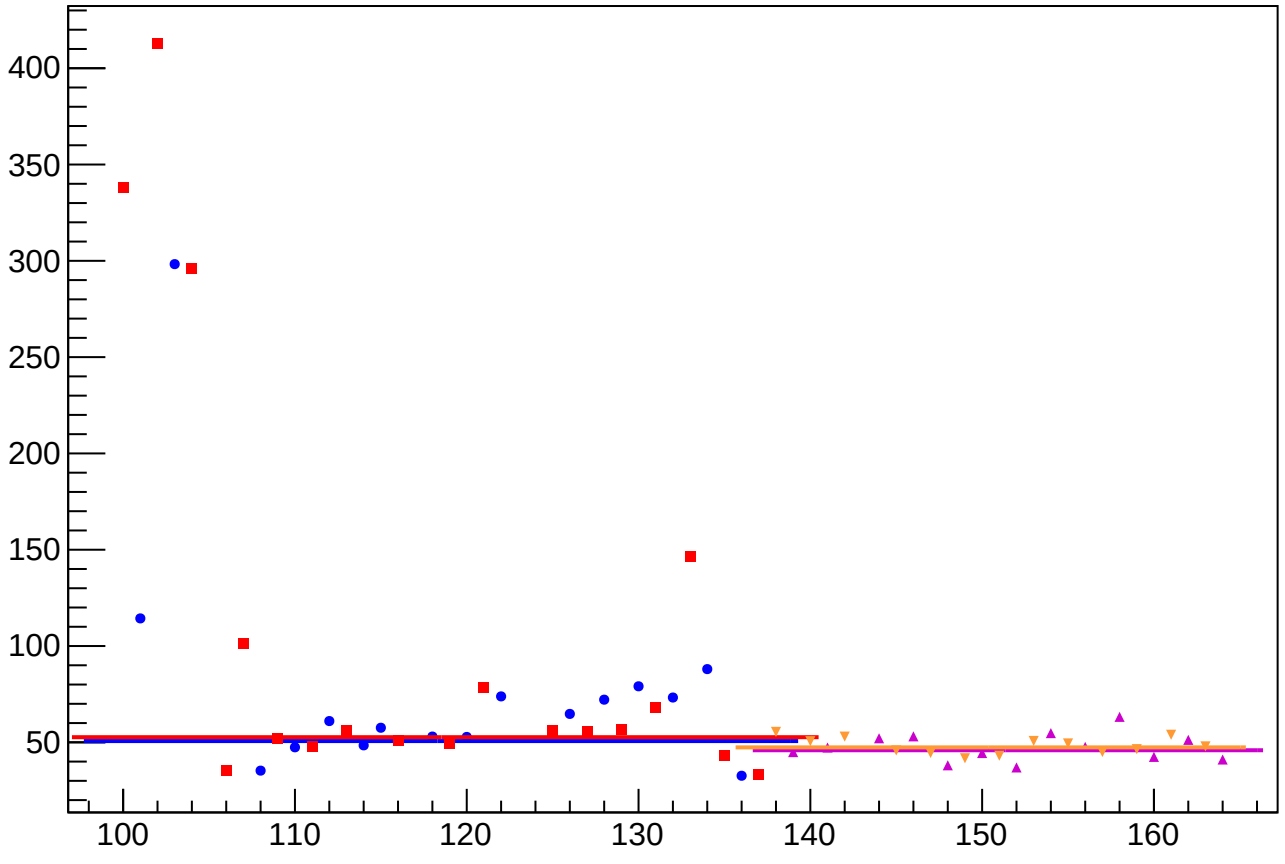
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.009+/-0.009 χ^2/NDF: 52.4/59

- 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: 47.372+/-0.011 χ^2/NDF:127894.9/12

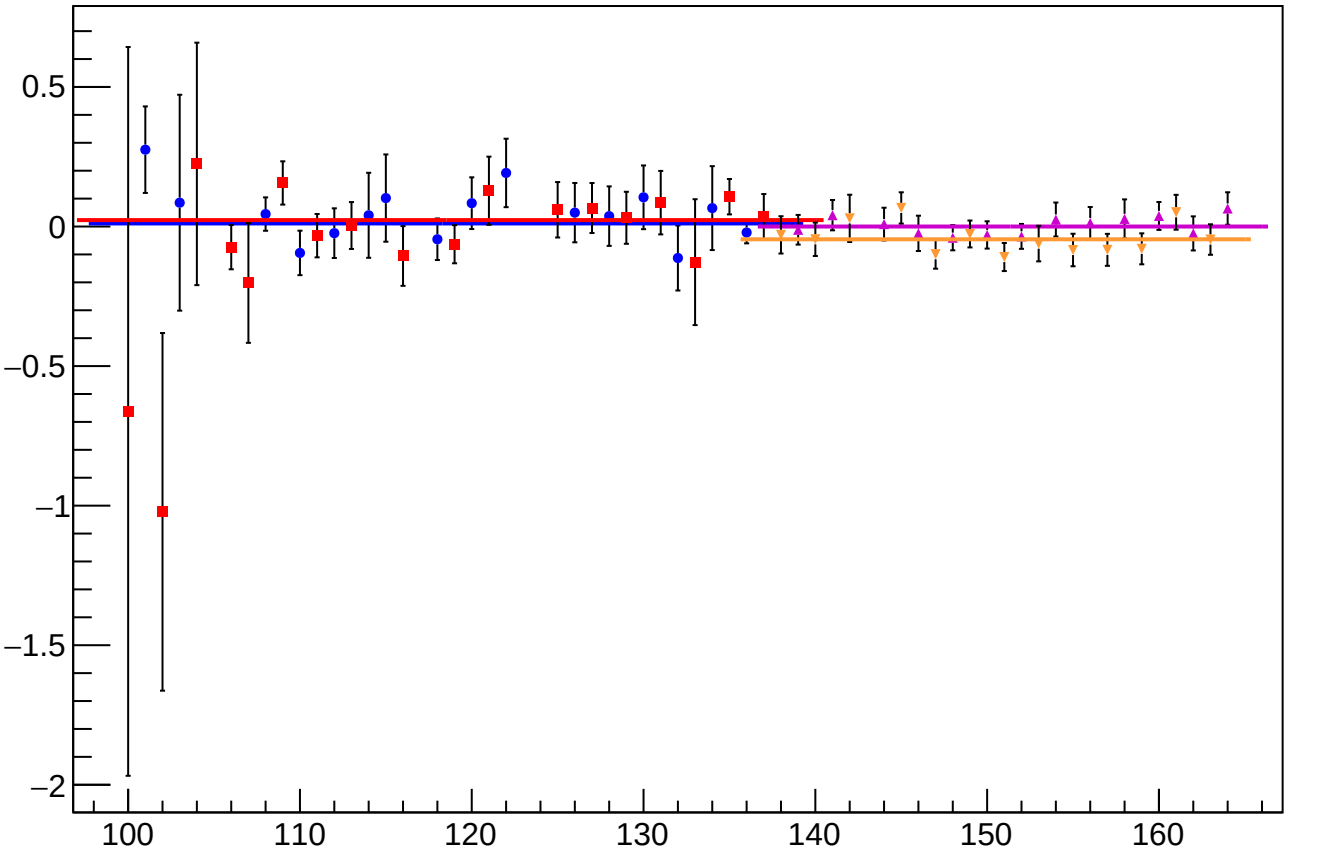
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

\+ sign 48.510+/-0.009 χ^2/NDF: 2423554.6/28

All: 48.205+/-0.006 χ^2/NDF: 5157182.9/59

\- 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: -0.046+/-0.016 χ^2/NDF:11.4/12

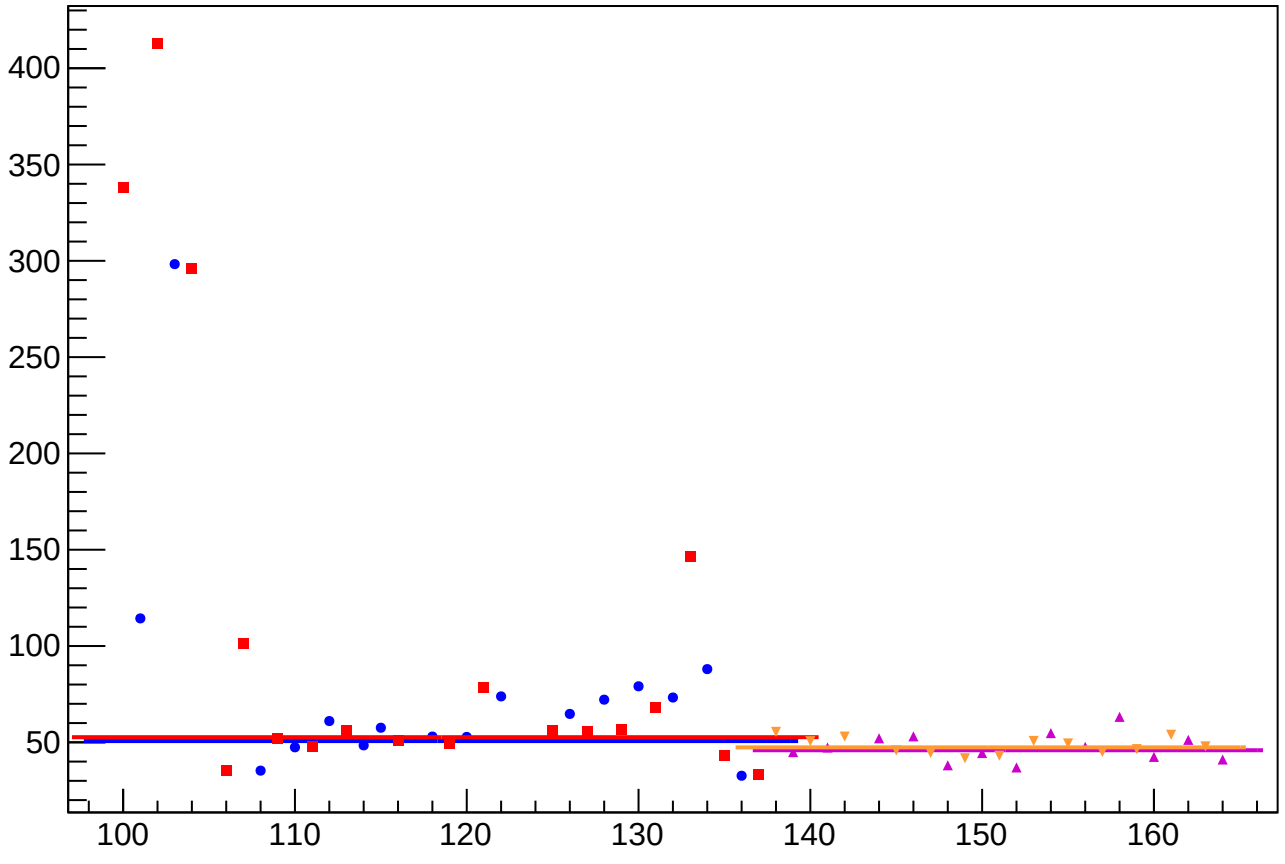
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.009+/-0.009 χ^2/NDF: 52.4/59

- 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: 47.372+/-0.011 χ^2/NDF:127894.9/12

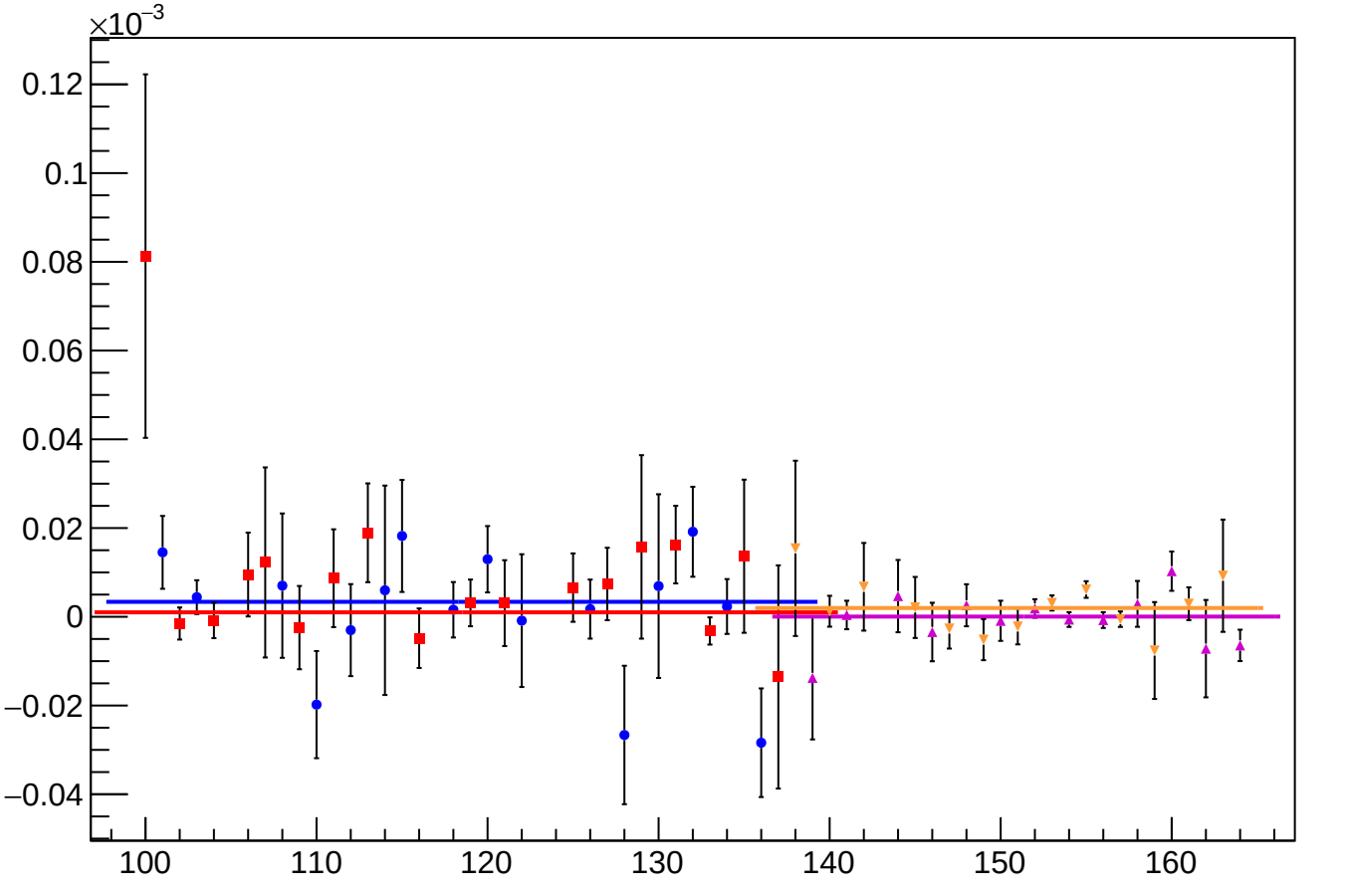
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

\+ sign 48.510+/-0.009 χ^2/NDF: 2423554.6/28

All: 48.205+/-0.006 χ^2/NDF: 5157182.9/59

\- 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:13.9/12

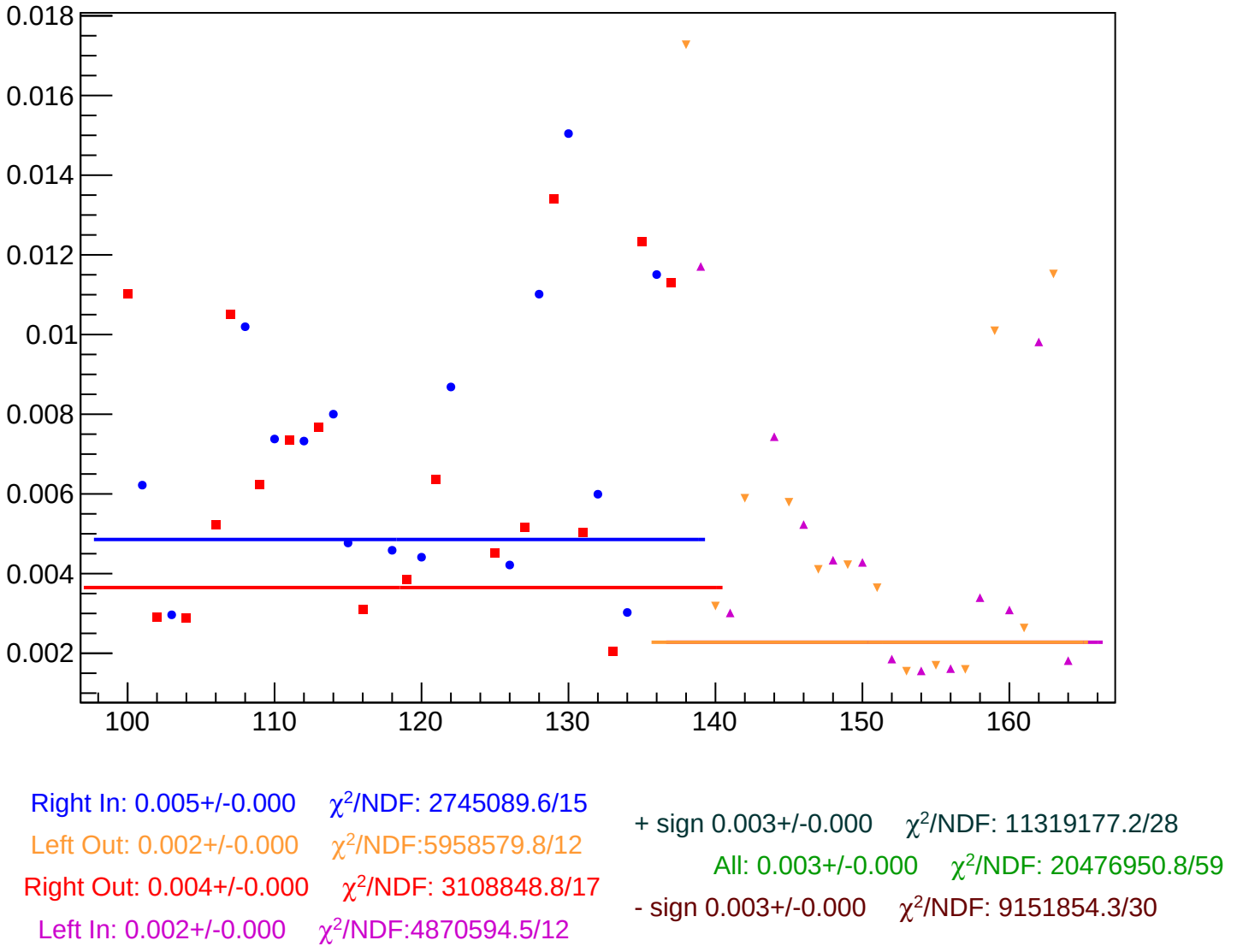
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

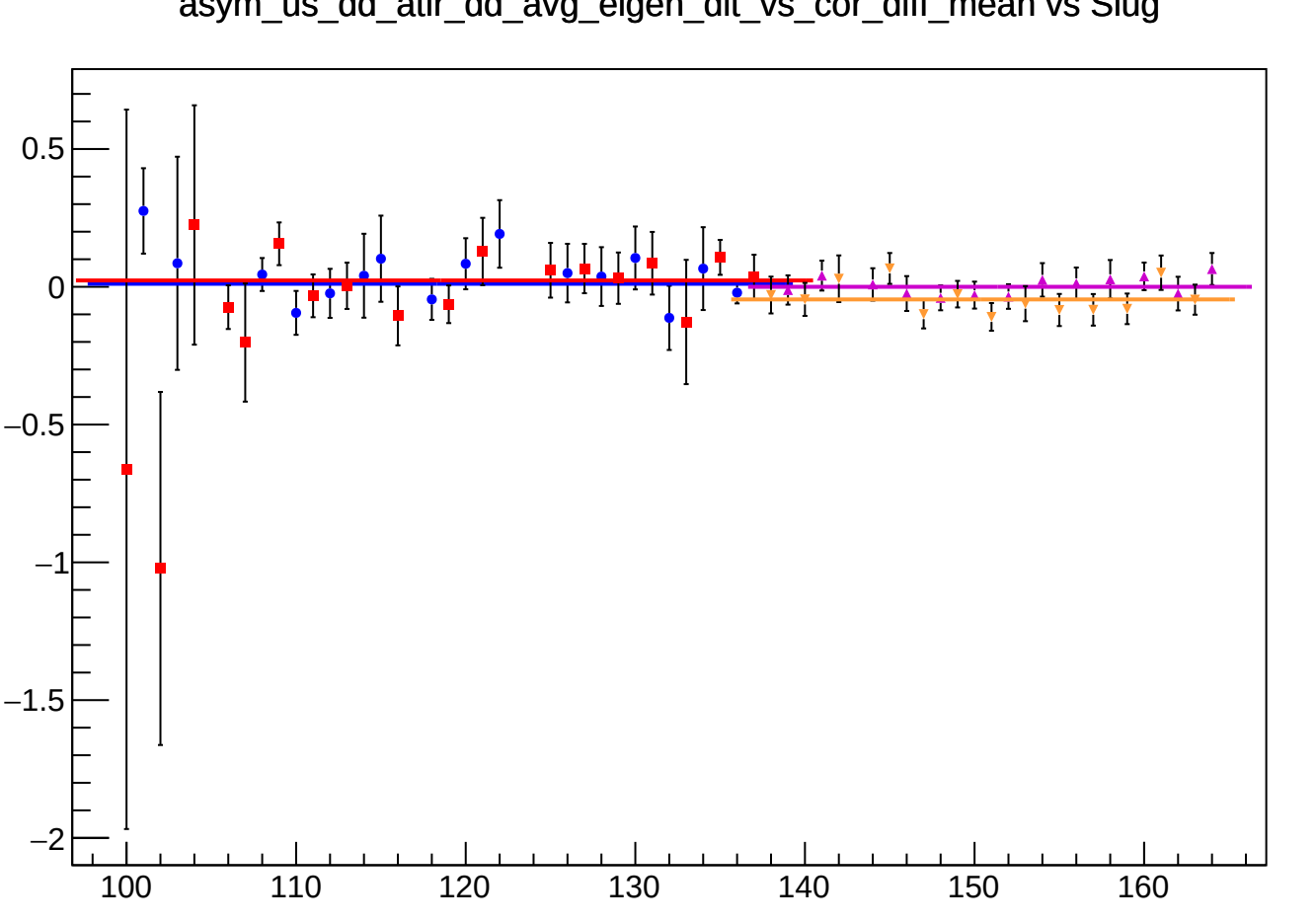
Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/28

All: 0.000+/-0.000 χ^2/NDF: 69.5/59

- 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:5958579.8/12
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:4870594.5/12
+ sign 0.003+/-0.000 χ²/NDF: 11319177.2/28
All: 0.003+/-0.000 χ²/NDF: 20476950.8/59
- sign 0.003+/-0.000 χ²/NDF: 9151854.3/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

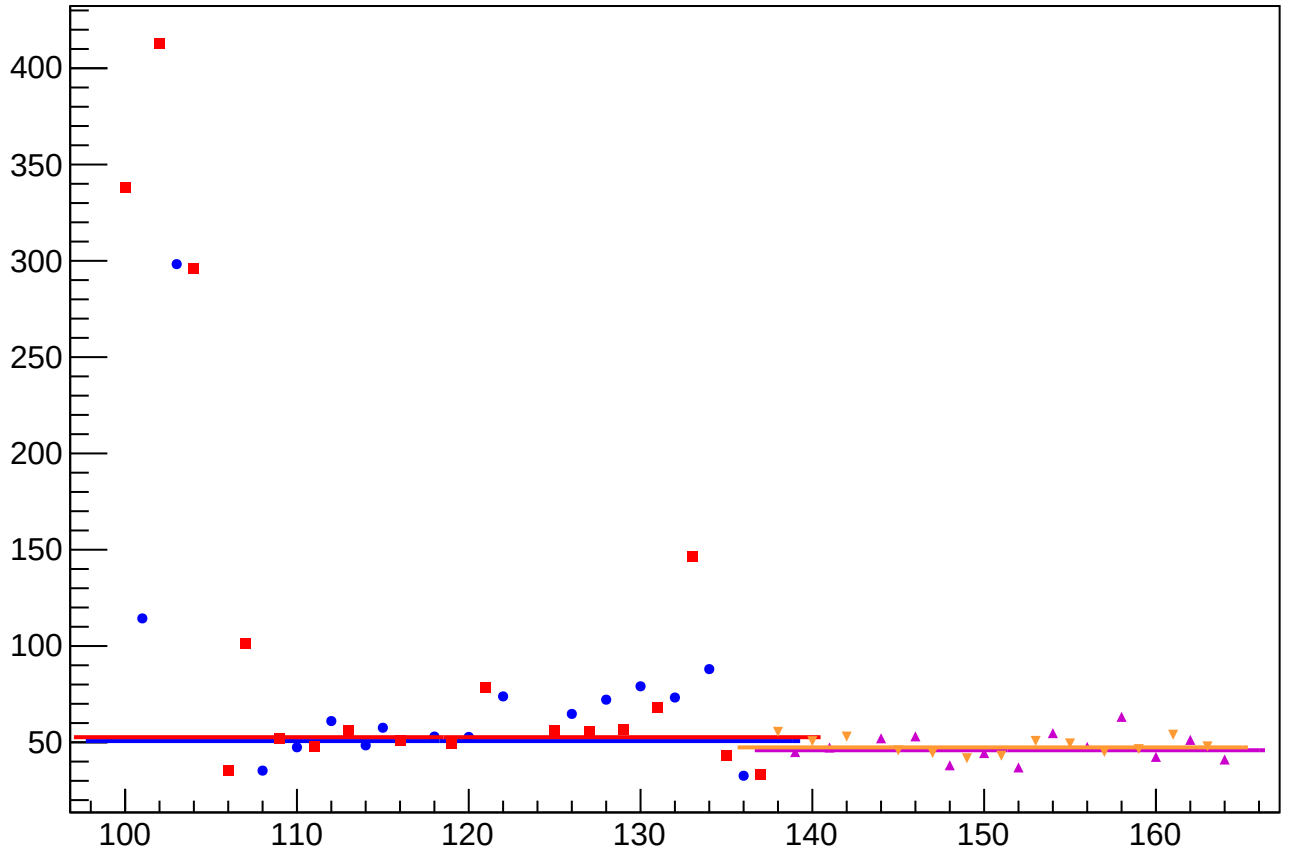
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.009+/-0.009 χ^2/NDF: 52.4/59

- 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: 47.372+/-0.011 χ^2/NDF:127886.5/12

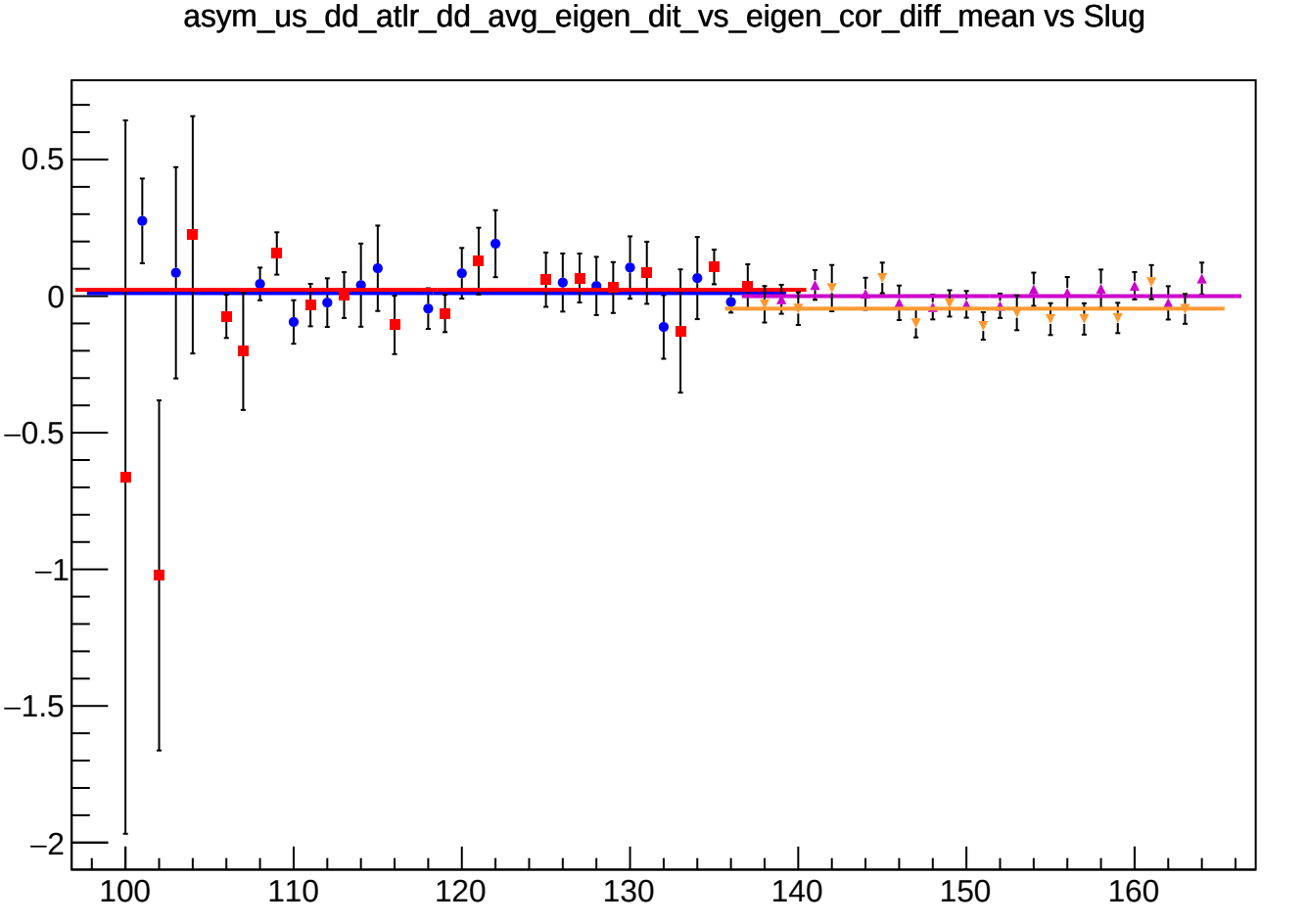
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

+ sign 48.510+/-0.009 χ^2/NDF: 2423467.0/28

All: 48.205+/-0.006 χ^2/NDF: 5156958.3/59

- 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: -0.046+/-0.016 χ^2/NDF:11.4/12

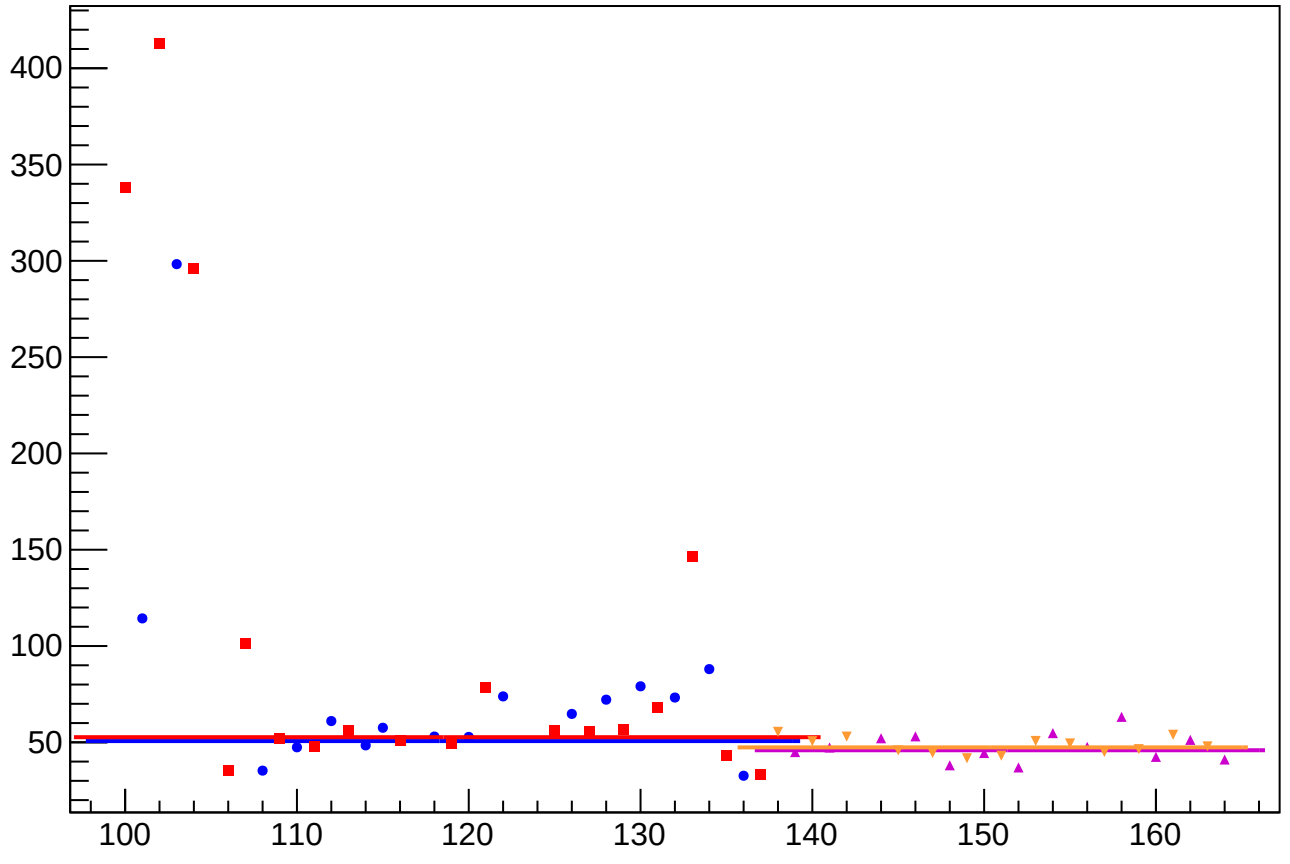
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.009+/-0.009 χ^2/NDF: 52.4/59

- 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: 47.372+/-0.011 χ^2/NDF:127886.5/12

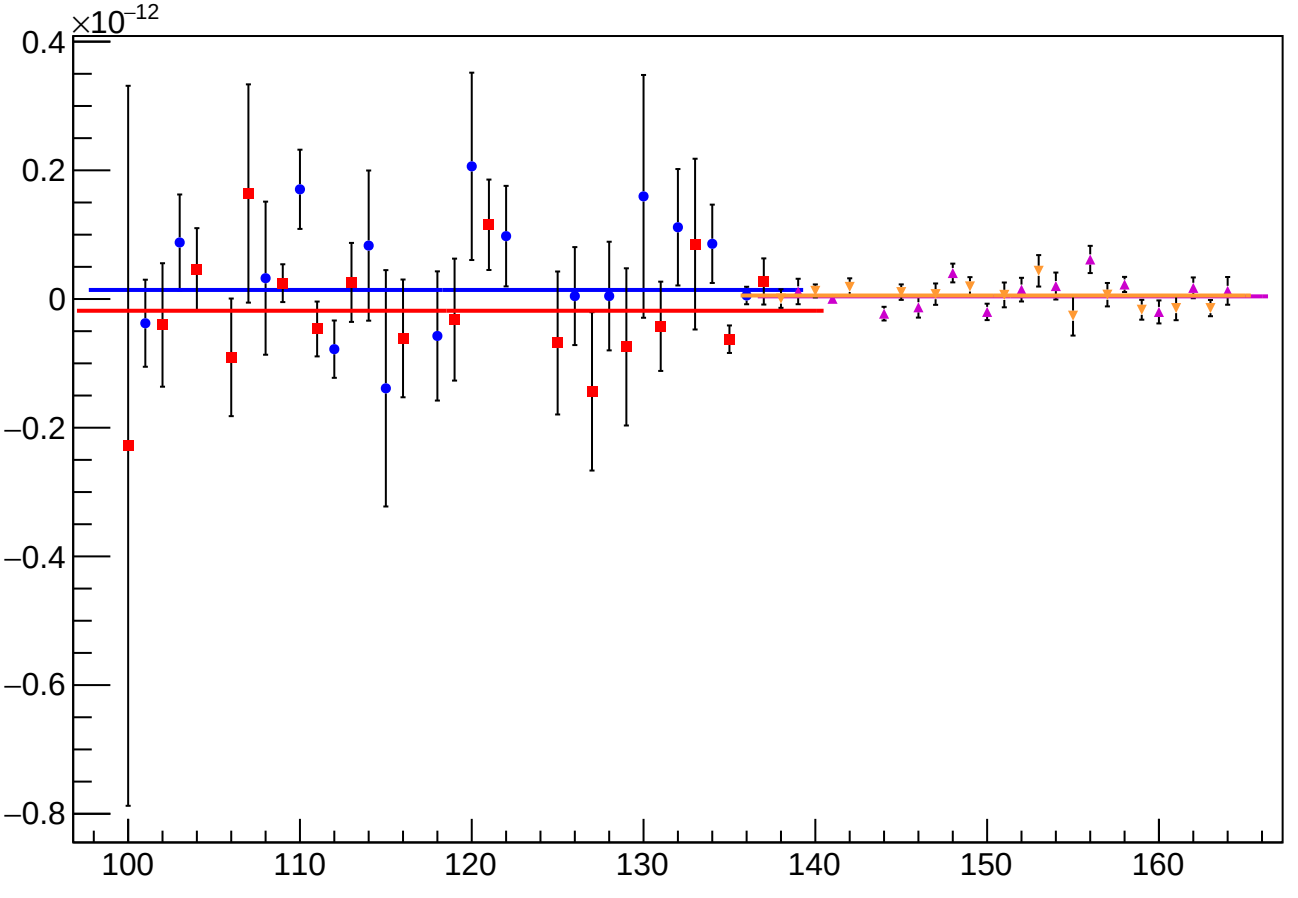
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

+ sign 48.510+/-0.009 χ^2/NDF: 2423467.0/28

All: 48.205+/-0.006 χ^2/NDF: 5156958.3/59

- 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:11.8/12

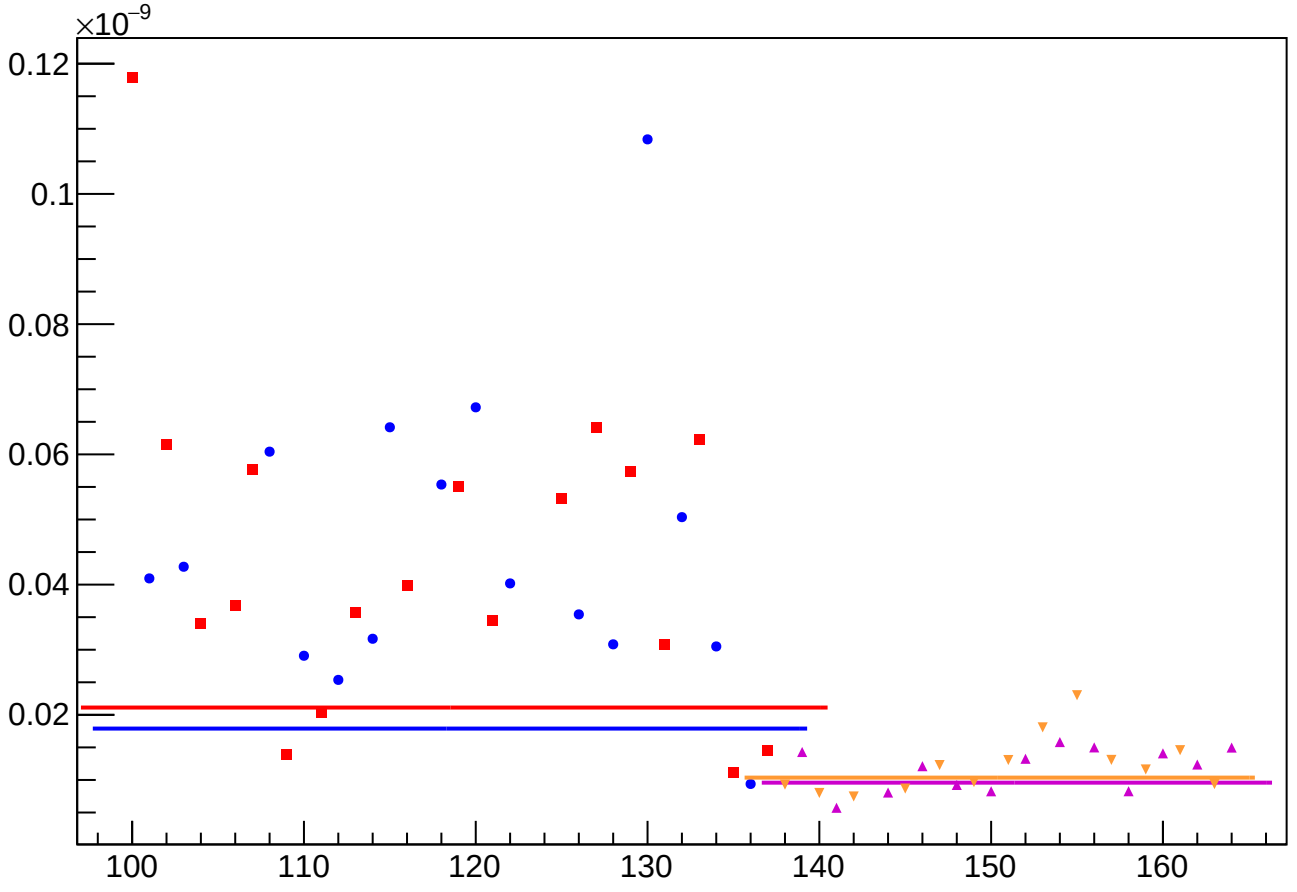
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:31.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.6/28

All: 0.000+/-0.000 χ^2/NDF: 85.3/59

- 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:1029881.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

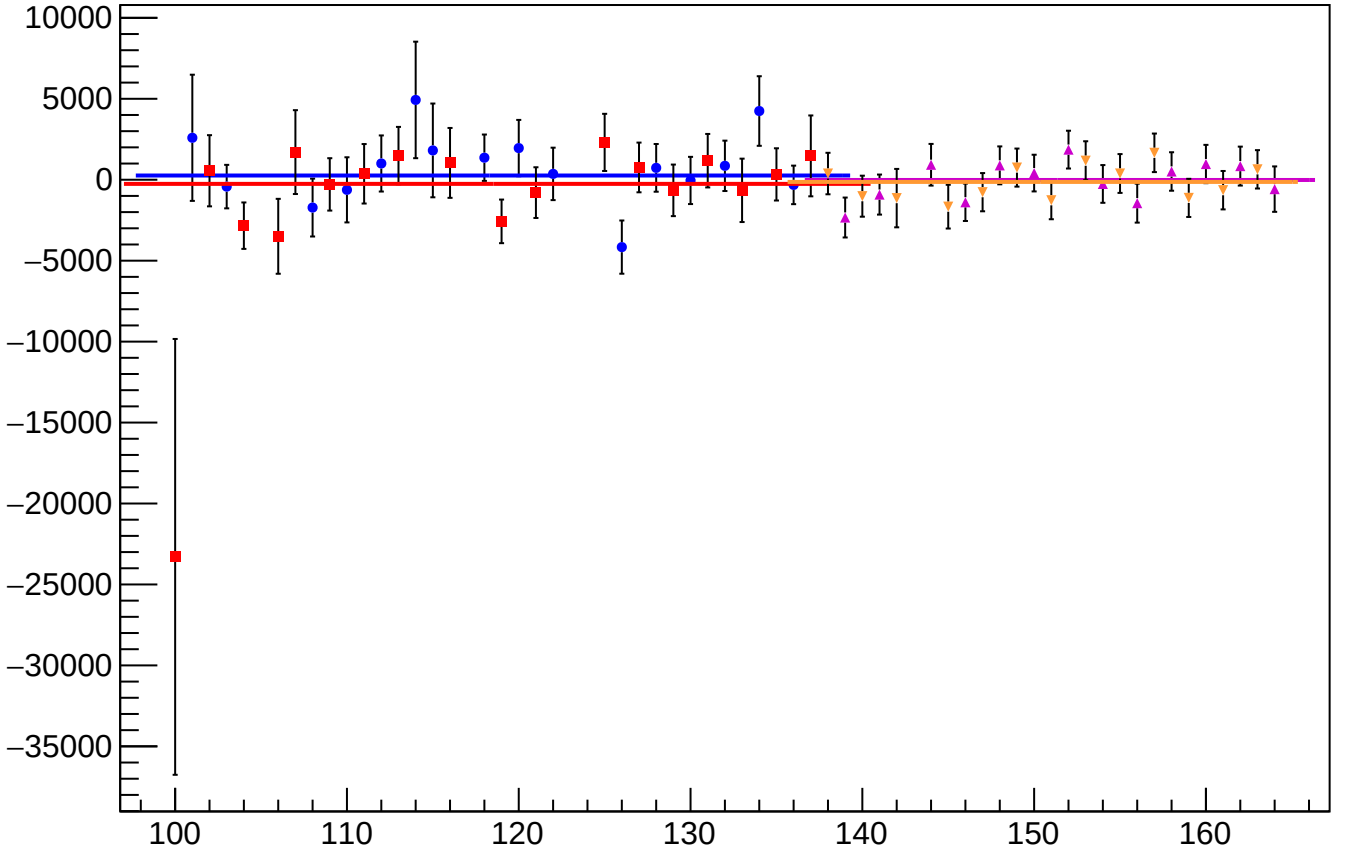
Left In: 0.000+/-0.000 χ^2/NDF:1434584.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 5207194.8/28

All: 0.000+/-0.000 χ^2/NDF: 10839244.0/59

- 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: -135.068+/-343.150 χ^2/NDF:9.0/12

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

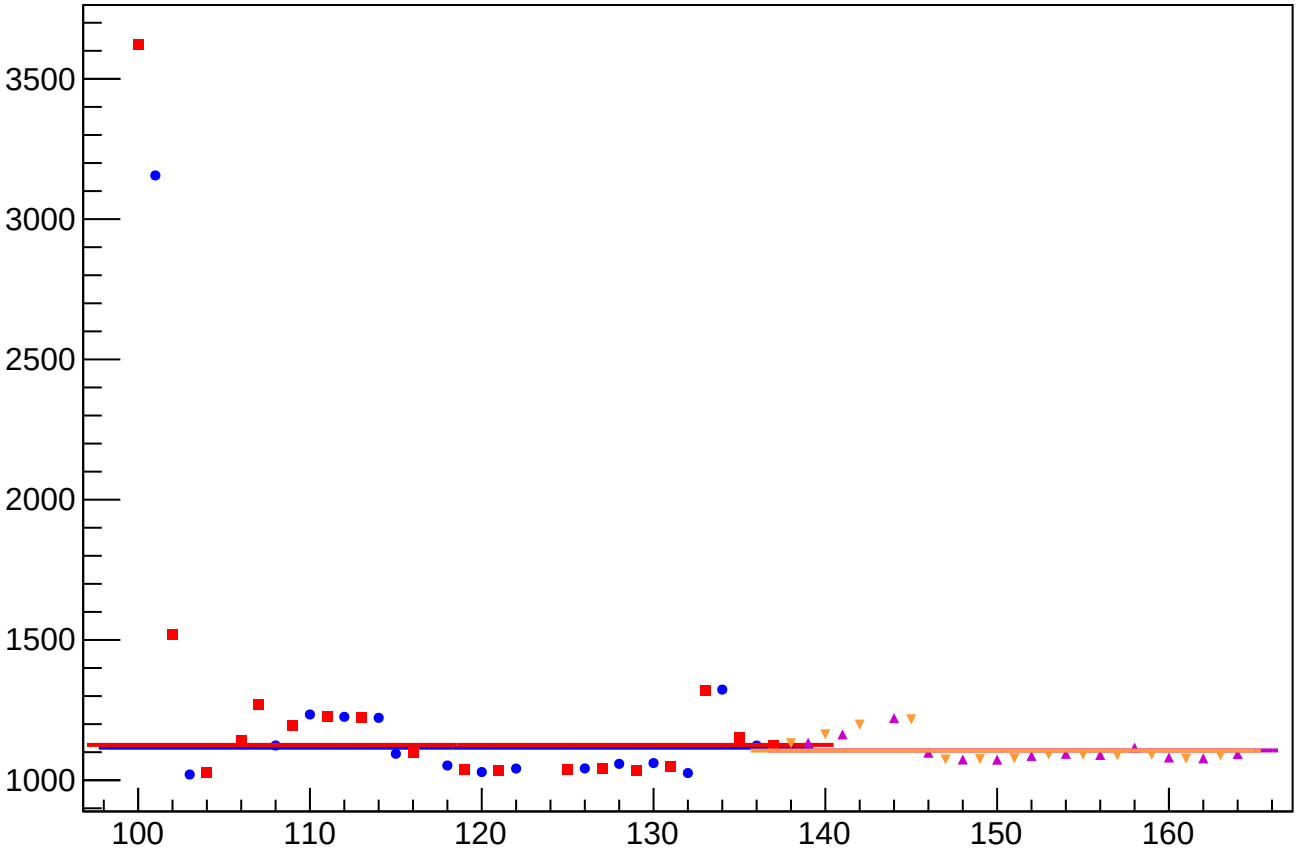
Left In: -14.917+/-334.191 χ^2/NDF:12.4/12

+ sign 21.309+/-266.902 χ^2/NDF: 26.5/28

All: -43.713+/-187.292 χ^2/NDF: 56.5/59

- 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: 1105.739+/-0.243 χ^2/NDF:30581.5/12

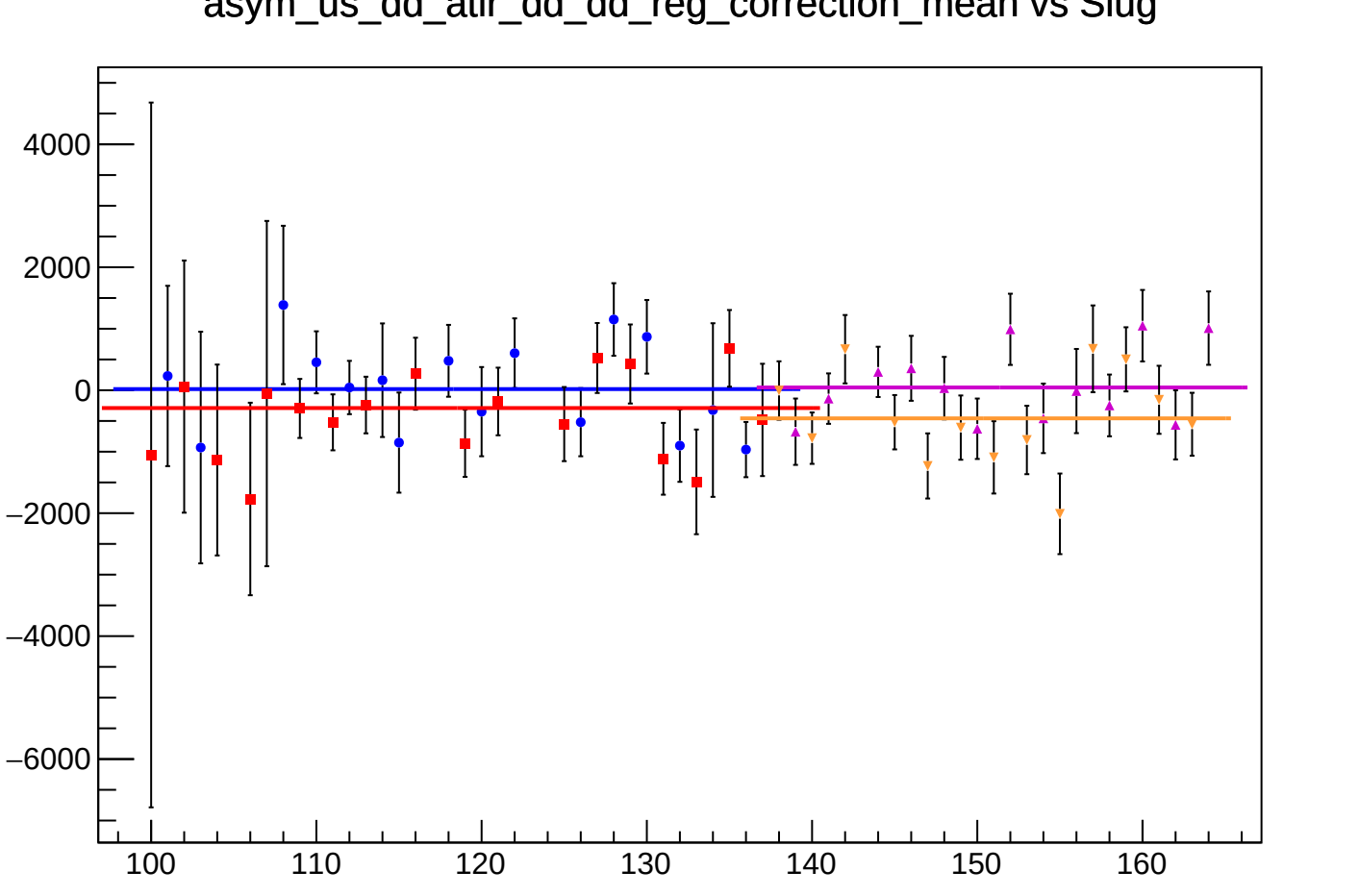
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.828+/-0.189 χ^2/NDF: 654691.1/28

All: 1111.813+/-0.132 χ^2/NDF: 907680.8/59

- 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: -457.634+/-145.977 χ^2/NDF:21.3/12

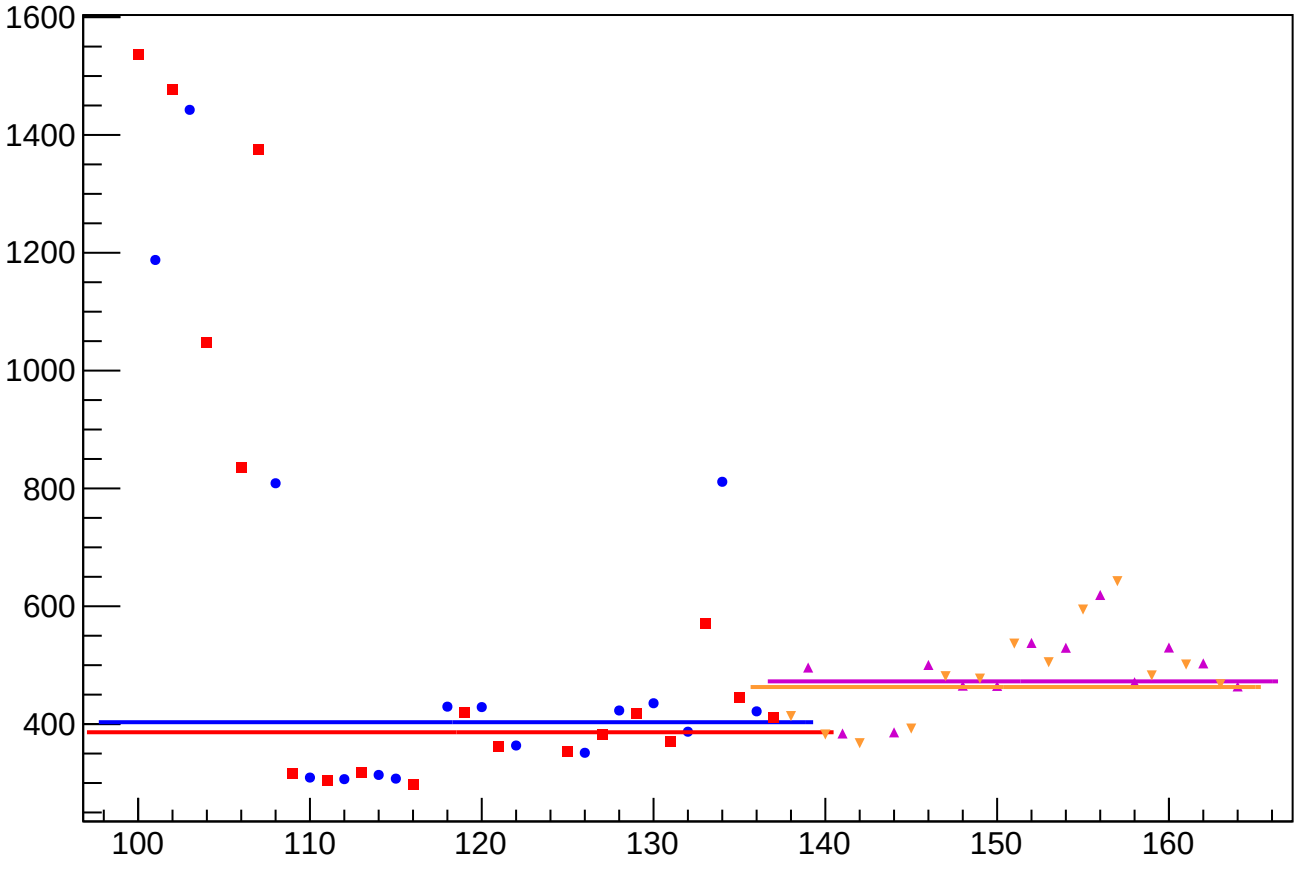
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 44.437+/-144.202 χ^2/NDF:15.2/12

+ sign -243.174+/-108.215 χ^2/NDF: 45.3/28

All: -174.890+/-75.706 χ^2/NDF: 77.2/59

- sign -109.433+/-105.951 χ^2/NDF: 31.1/30



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 462.897+/-0.103 χ^2/NDF:474600.8/12

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

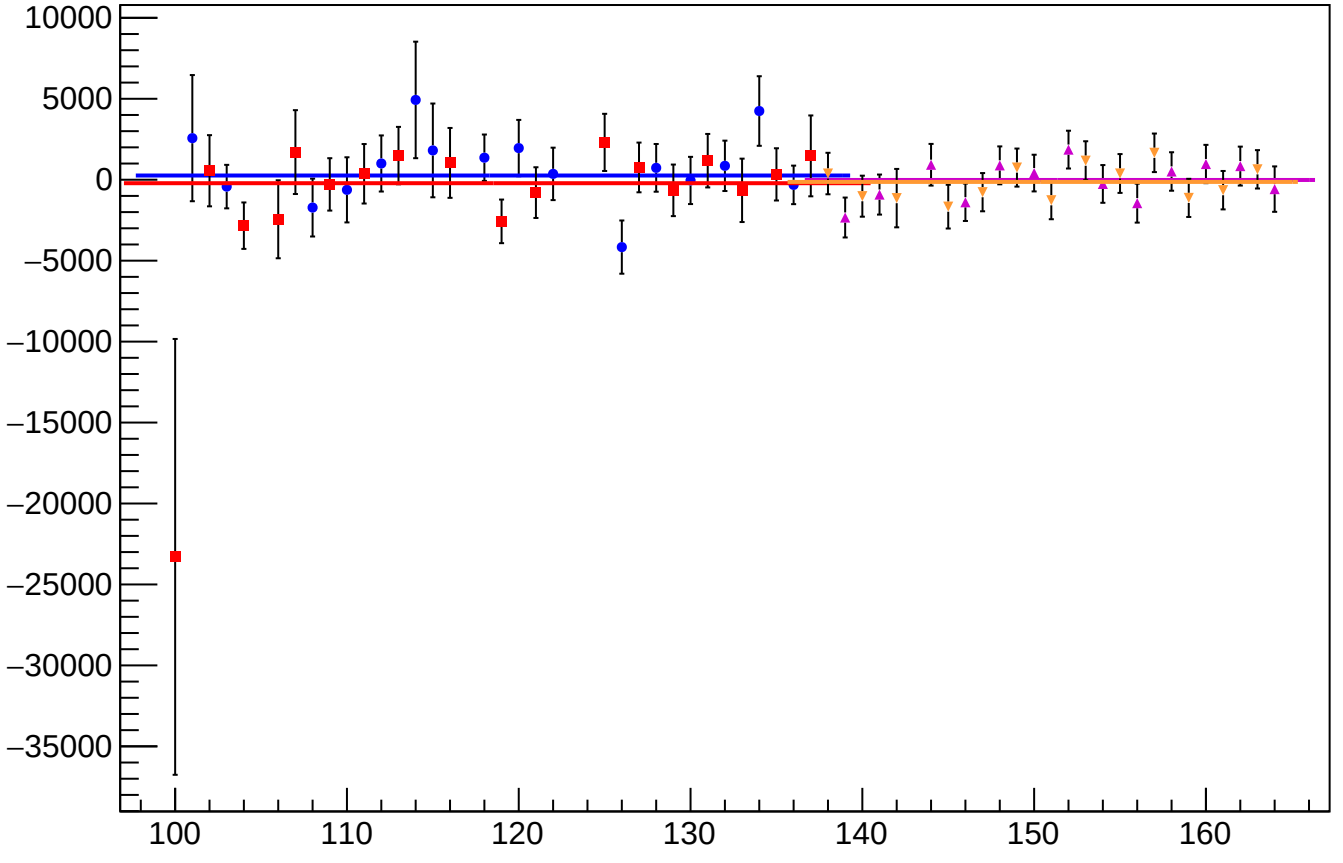
Left In: 472.524+/-0.102 χ^2/NDF:356230.3/12

+ sign 436.004+/-0.077 χ^2/NDF: 2433726.9/28

All: 434.356+/-0.054 χ^2/NDF: 4880196.0/59

- sign 432.776+/-0.075 χ^2/NDF: 2445560.8/30

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

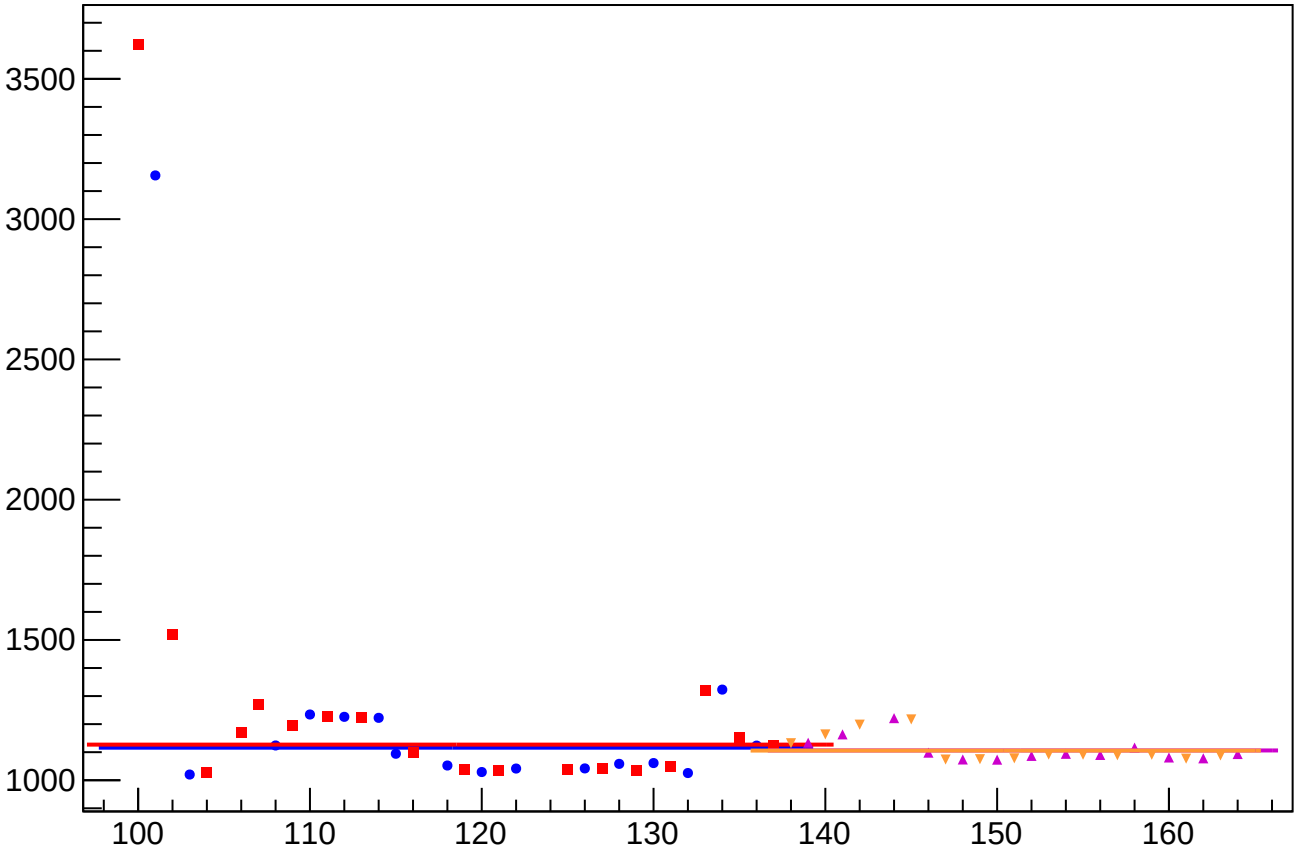
Left In: -14.907+/-334.191 χ^2/NDF:12.4/12

+ sign 21.151+/-266.902 χ^2/NDF: 26.5/28

All: -35.681+/-187.340 χ^2/NDF: 55.3/59

- 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: 1105.739+/-0.243 χ^2/NDF:30581.5/12

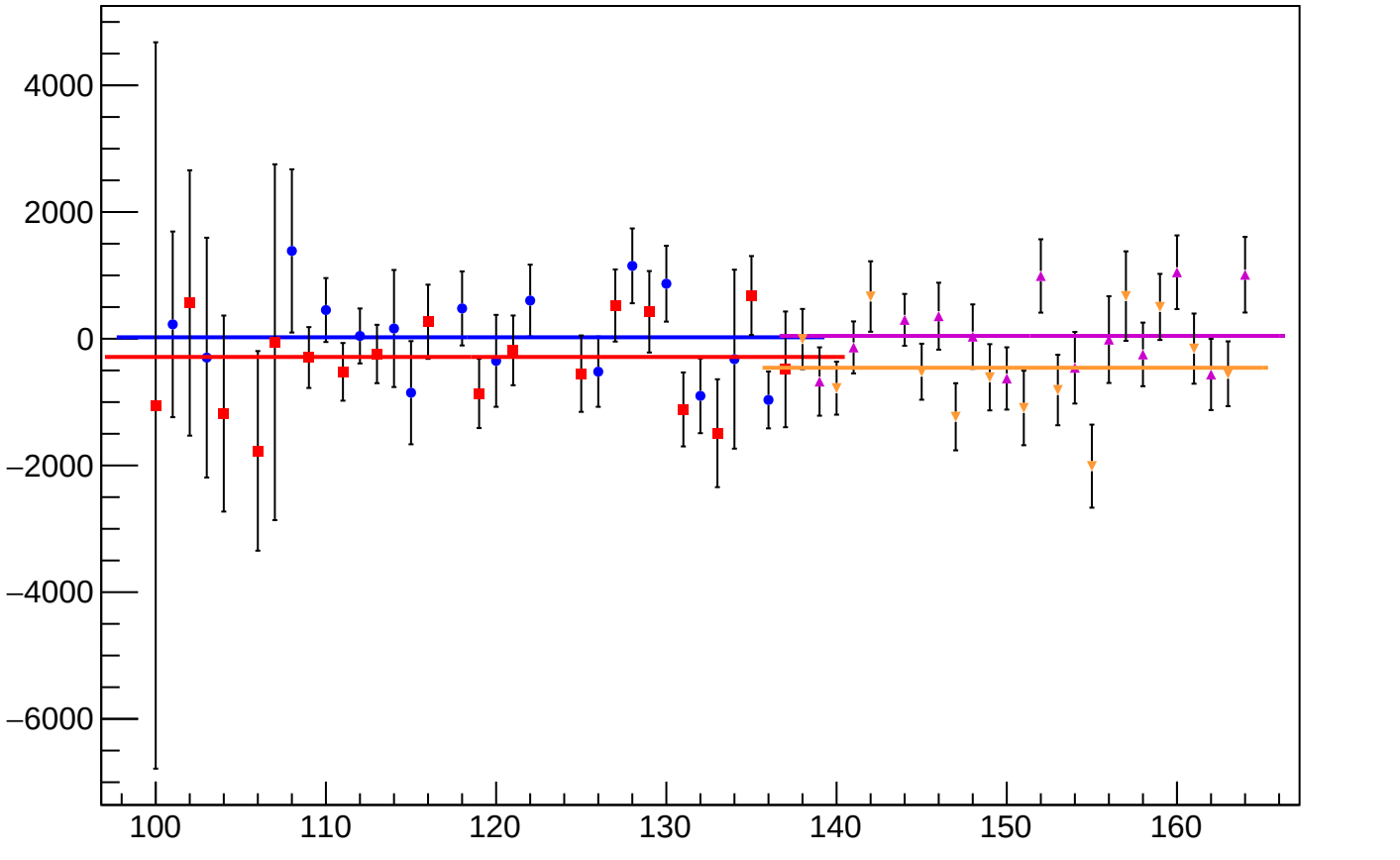
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.828+/-0.189 χ^2/NDF: 654692.1/28

All: 1111.988+/-0.132 χ^2/NDF: 908613.5/59

- 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: -457.690+/-145.976 χ^2/NDF:21.3/12

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

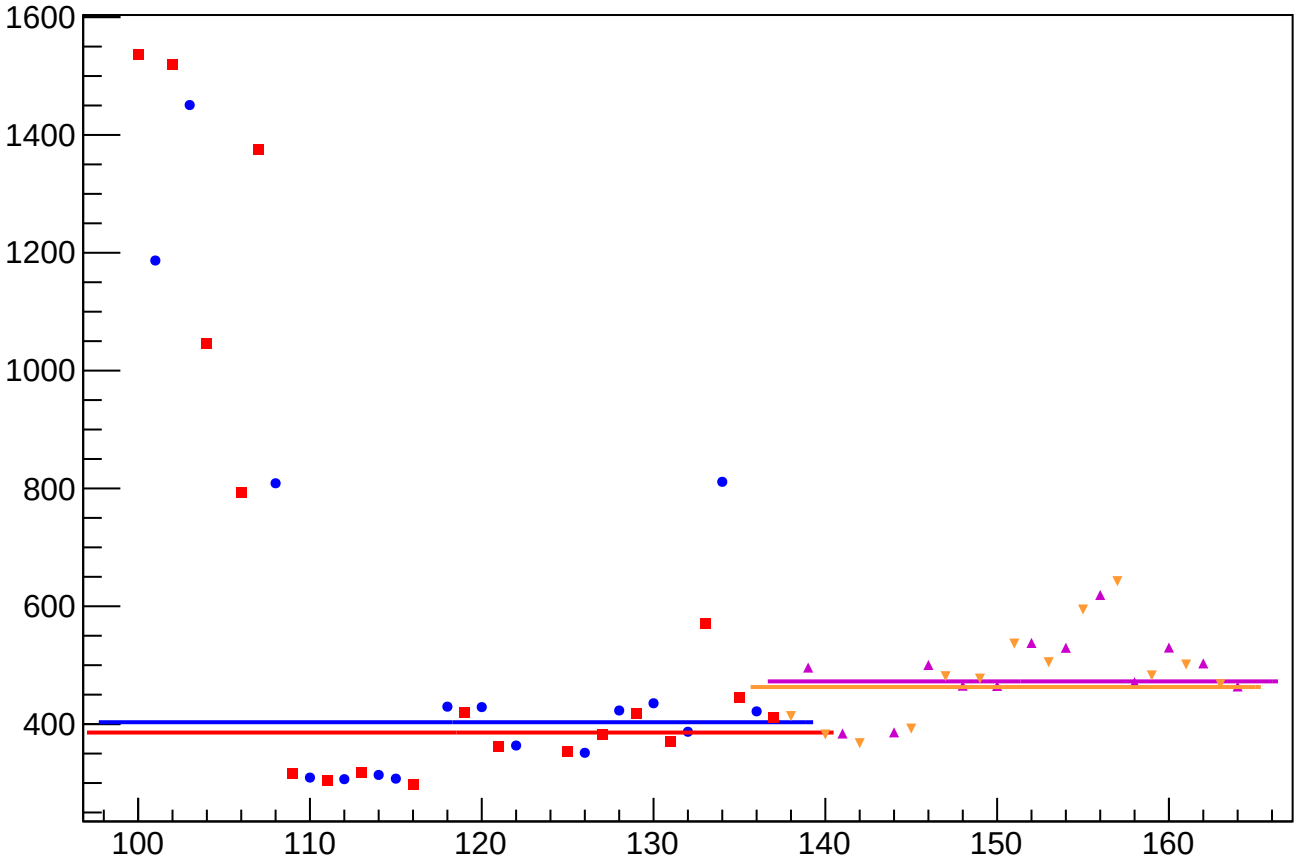
Left In: 44.416+/-144.201 χ^2/NDF:15.2/12

\+ sign -241.201+/-108.215 χ^2/NDF: 45.1/28

All: -173.373+/-75.709 χ^2/NDF: 77.1/59

\- 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: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

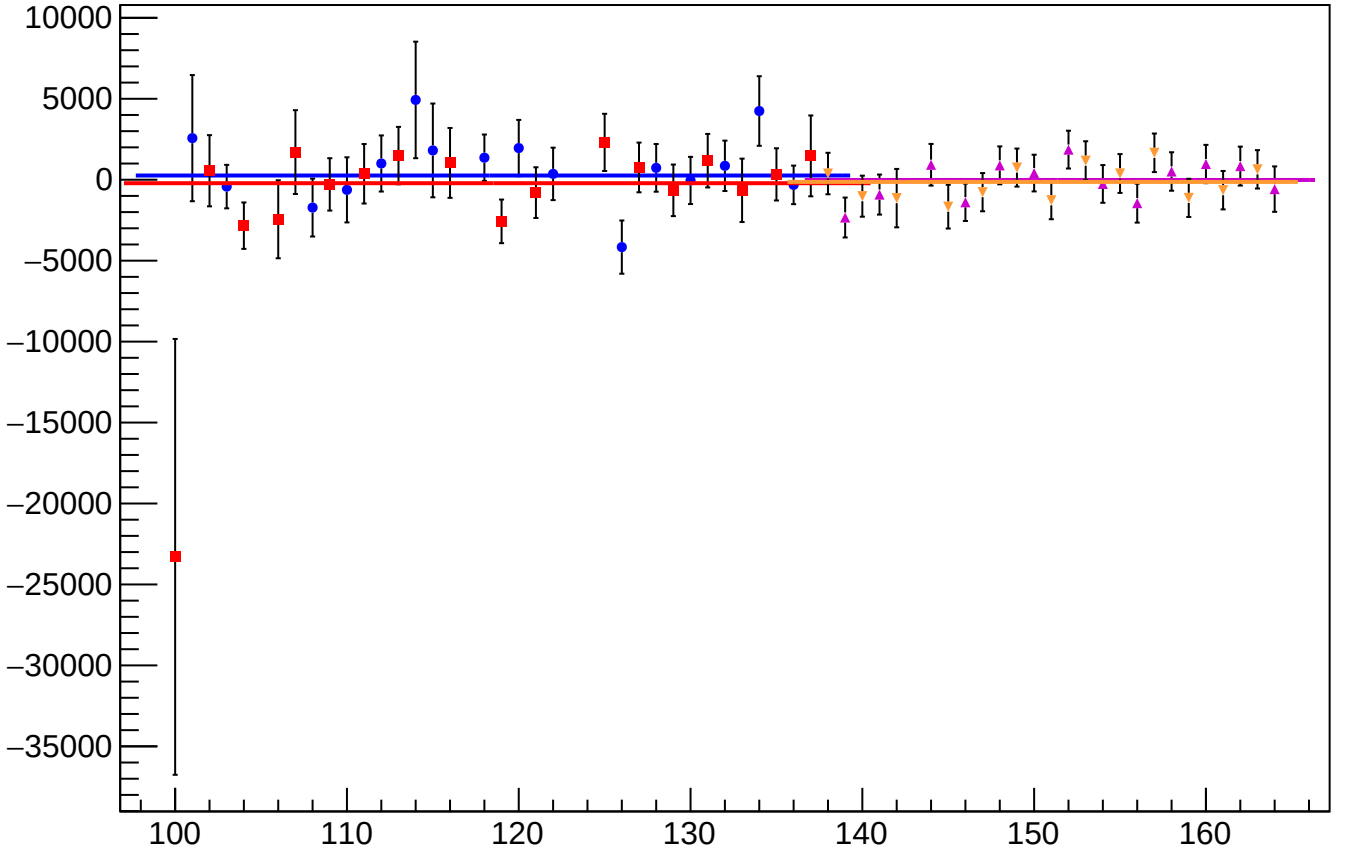
Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

+ sign 435.997+/-0.077 χ^2/NDF: 2437471.6/28

All: 434.246+/-0.054 χ^2/NDF: 4875558.4/59

- 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: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

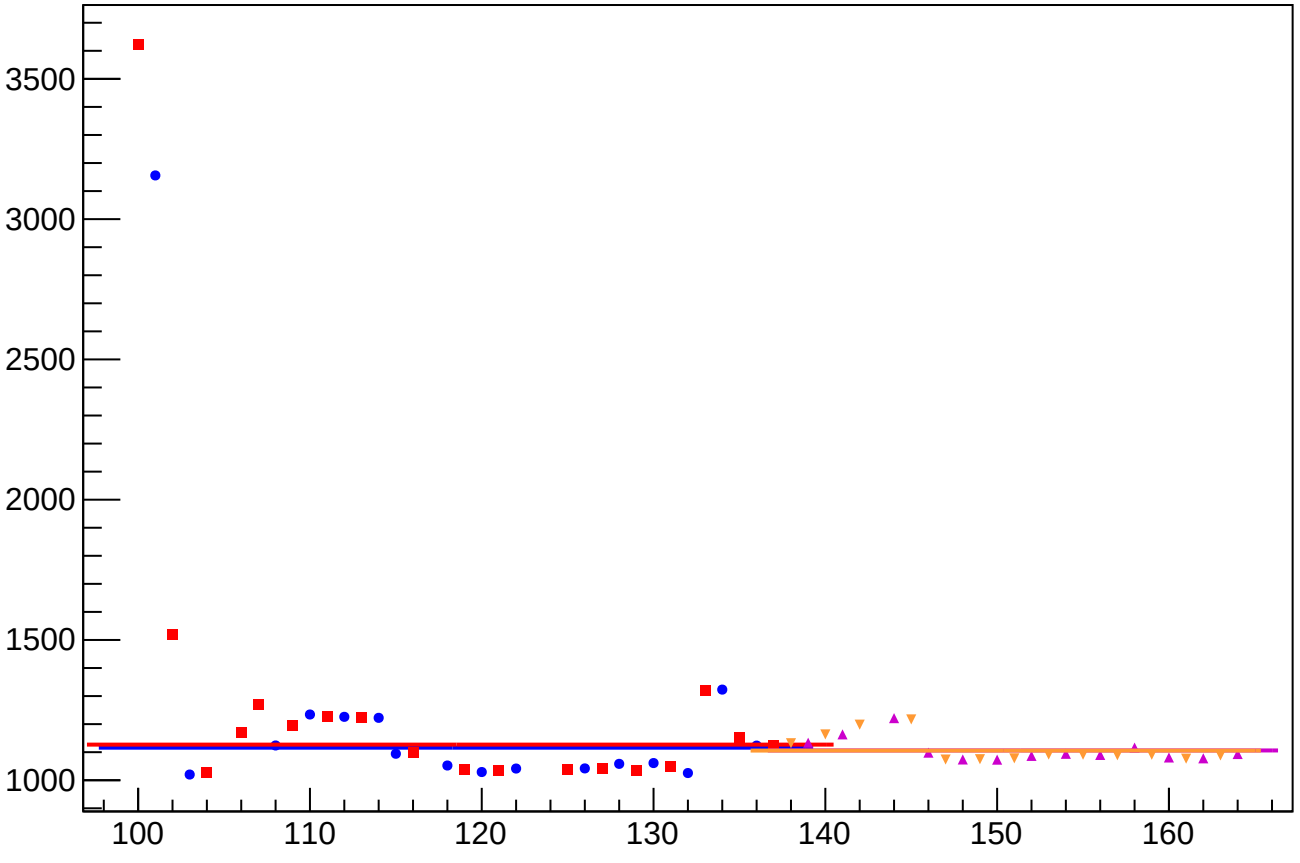
Left In: -14.907+/-334.191 χ^2/NDF:12.4/12

+ sign 21.151+/-266.902 χ^2/NDF: 26.5/28

All: -35.681+/-187.340 χ^2/NDF: 55.3/59

- 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: 1105.739+/-0.243 χ^2/NDF:30581.5/12

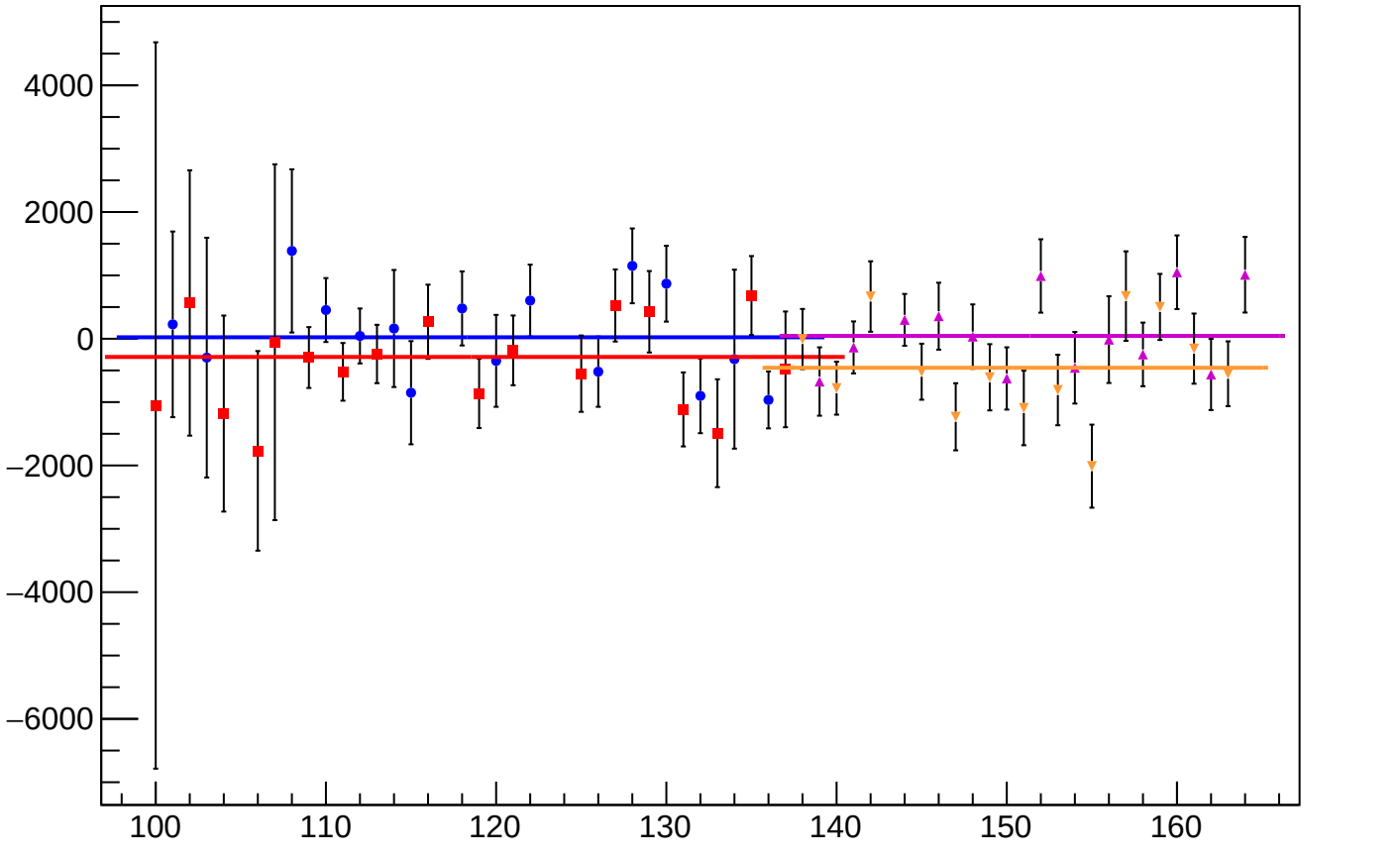
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.828+/-0.189 χ^2/NDF: 654692.1/28

All: 1111.988+/-0.132 χ^2/NDF: 908613.5/59

- 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: -457.690+/-145.976 χ^2/NDF:21.3/12

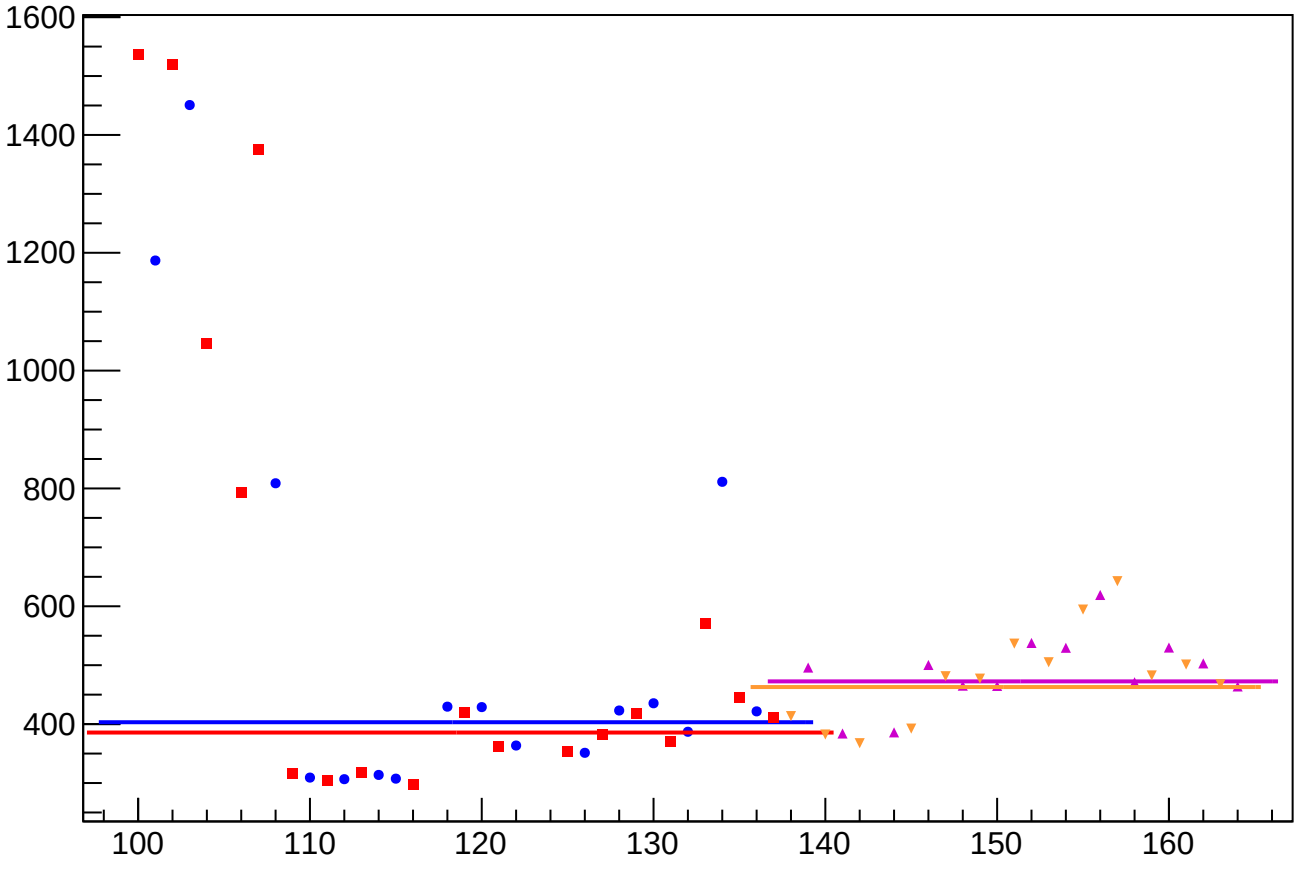
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 44.416+/-144.201 χ^2/NDF:15.2/12

+ sign -241.201+/-108.215 χ^2/NDF: 45.1/28

All: -173.373+/-75.709 χ^2/NDF: 77.1/59

- 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: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

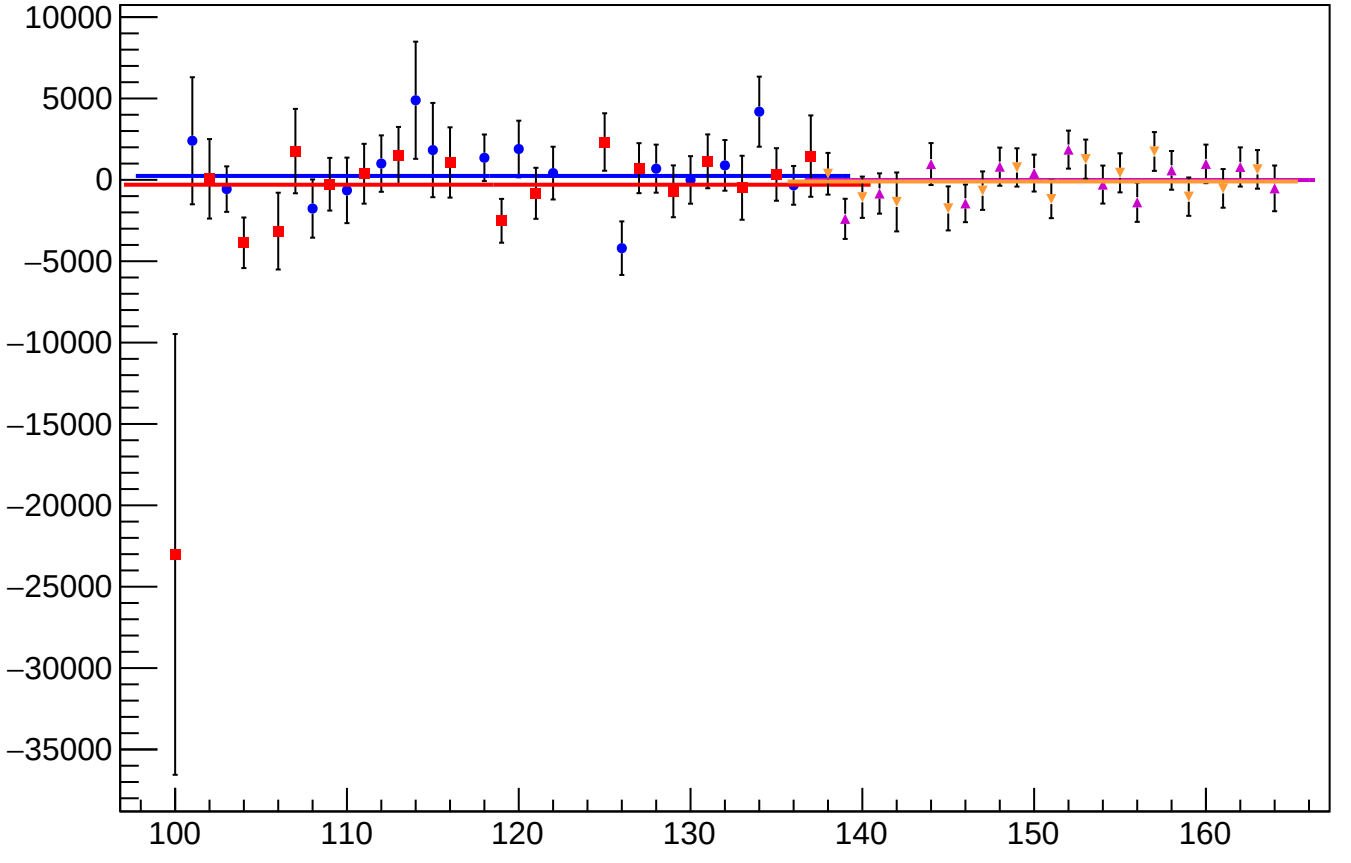
Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

+ sign 435.997+/-0.077 χ^2/NDF: 2437471.6/28

All: 434.246+/-0.054 χ^2/NDF: 4875558.4/59

- 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: -99.532+/-343.558 χ^2/NDF:9.3/12

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

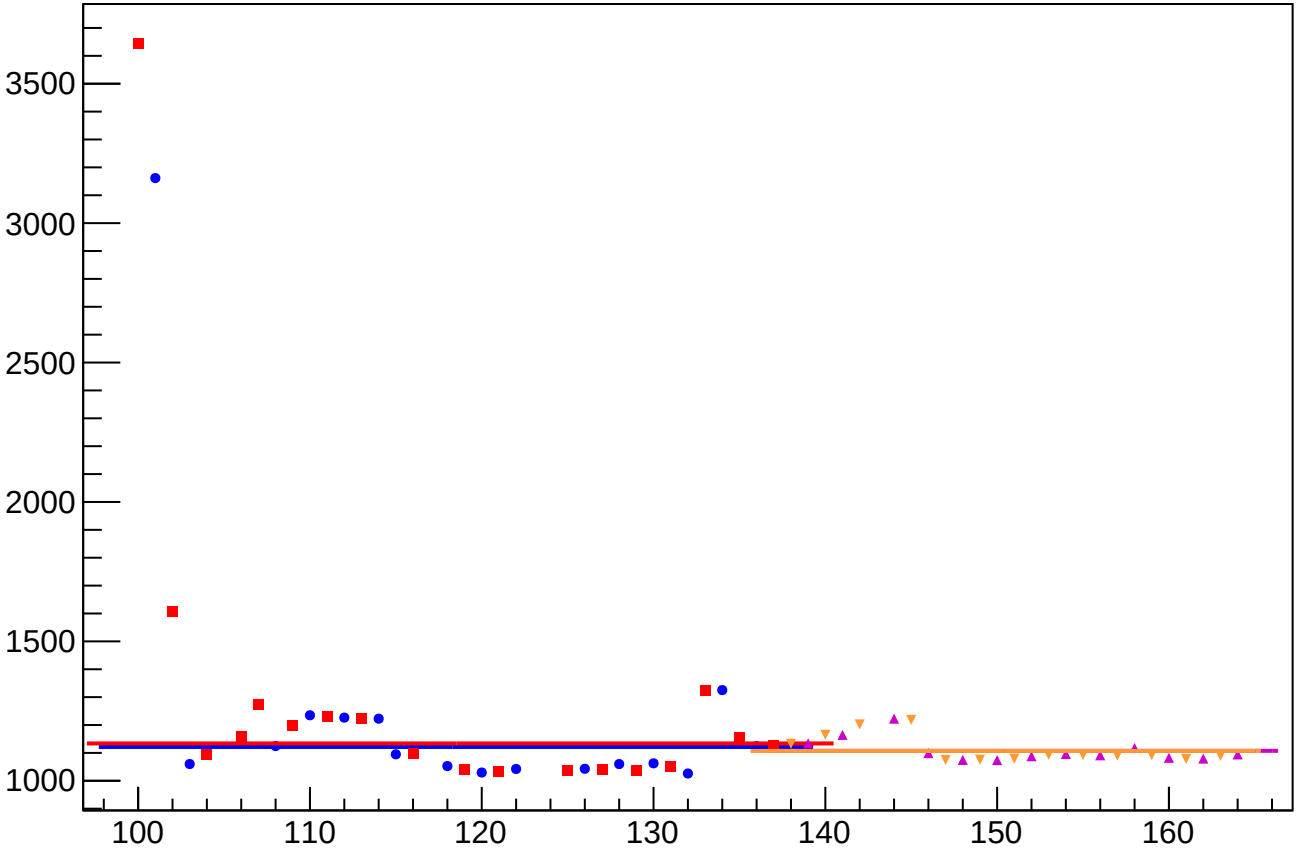
Left In: -12.516+/-334.569 χ^2/NDF:12.4/12

+ sign 34.373+/-267.573 χ^2/NDF: 26.7/28

All: -43.924+/-188.011 χ^2/NDF: 58.2/59

- 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: 1107.037+/-0.243 χ^2/NDF:30941.9/12

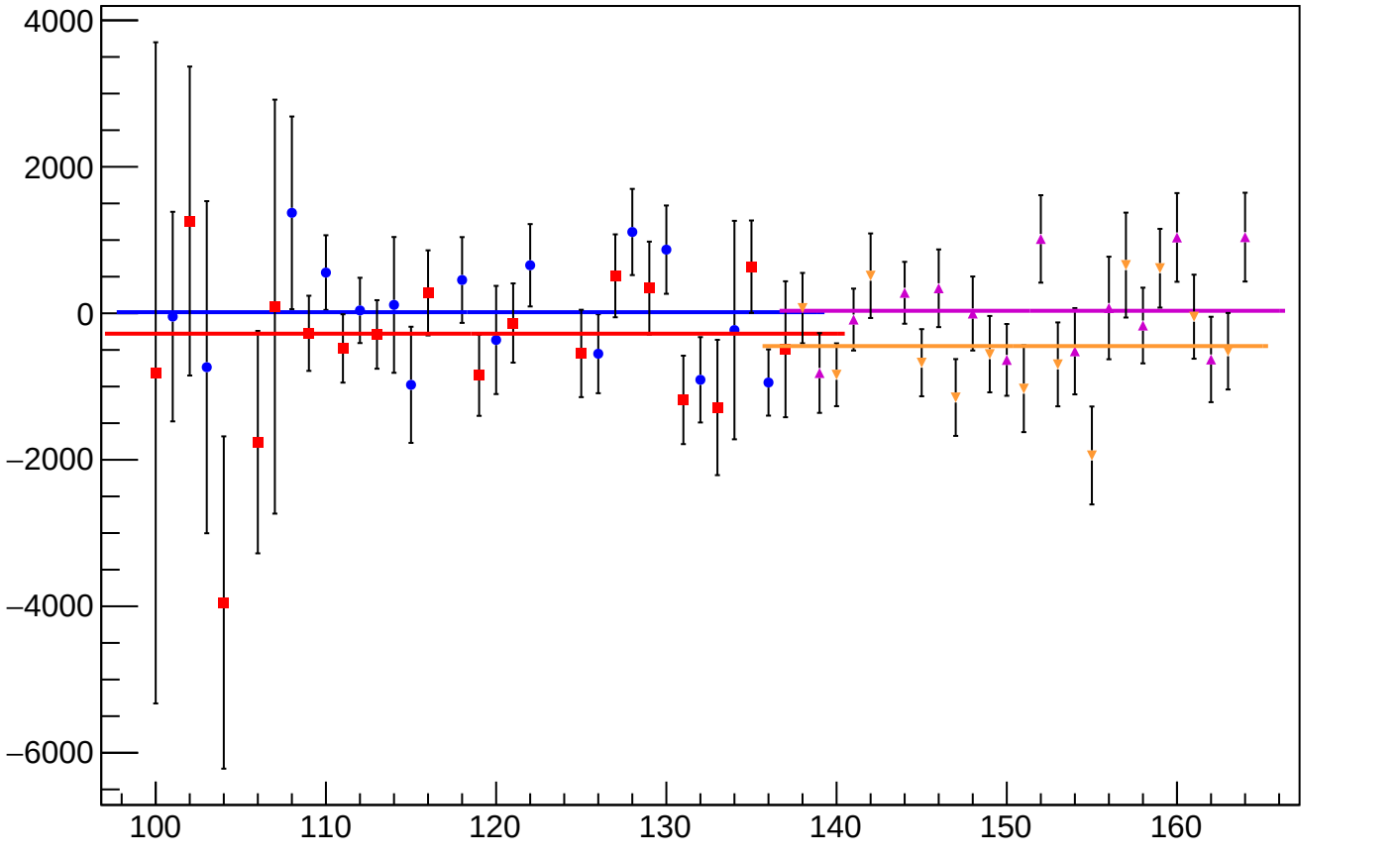
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

+ sign 1112.646+/-0.189 χ^2/NDF: 649325.2/28

All: 1115.051+/-0.133 χ^2/NDF: 909845.8/59

- 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: -447.424+/-148.902 χ^2/NDF:19.8/12

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

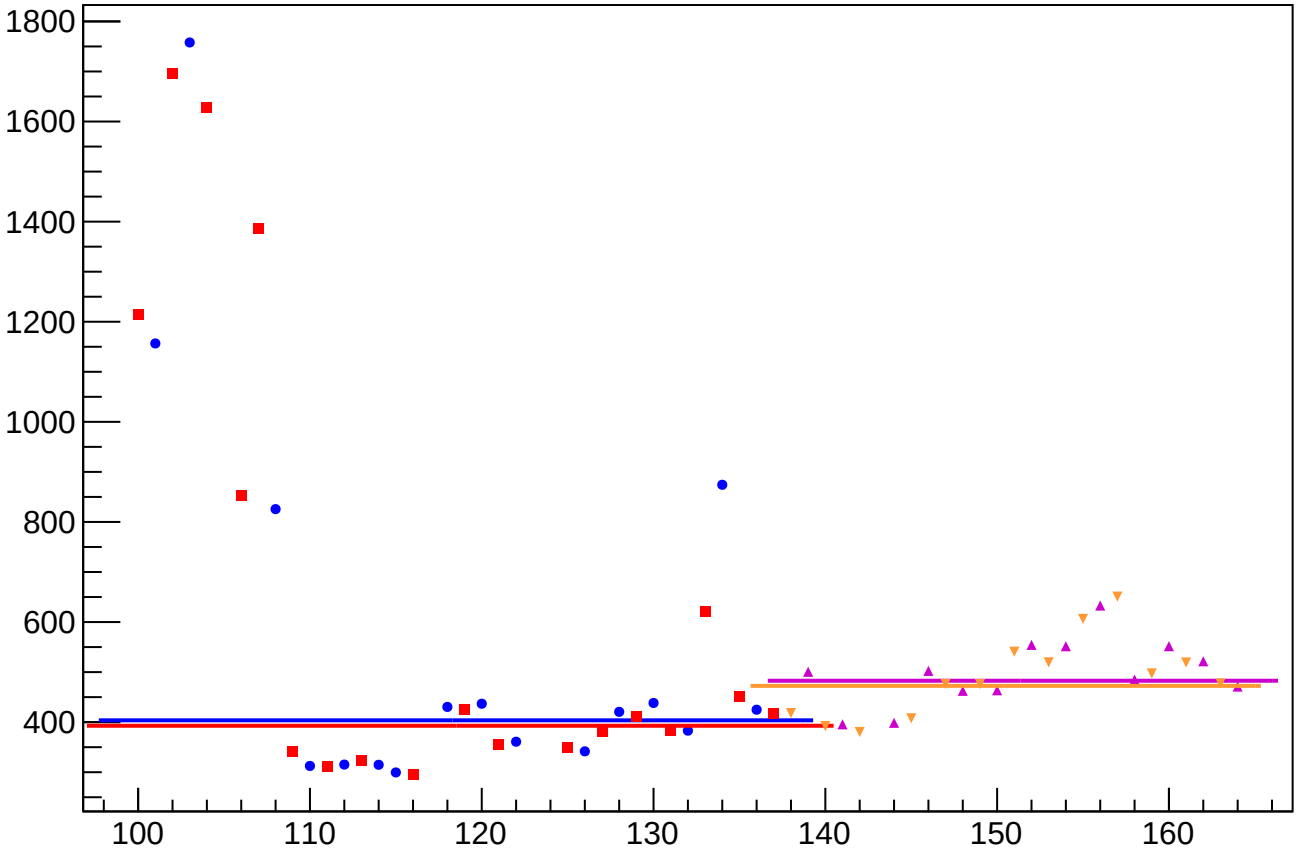
Left In: 34.278+/-147.306 χ^2/NDF:15.6/12

\+ sign -235.306+/-109.580 χ^2/NDF: 43.8/28

All: -171.868+/-76.922 χ^2/NDF: 77.2/59

\- 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: 472.511+/-0.105 χ^2/NDF:448864.7/12

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

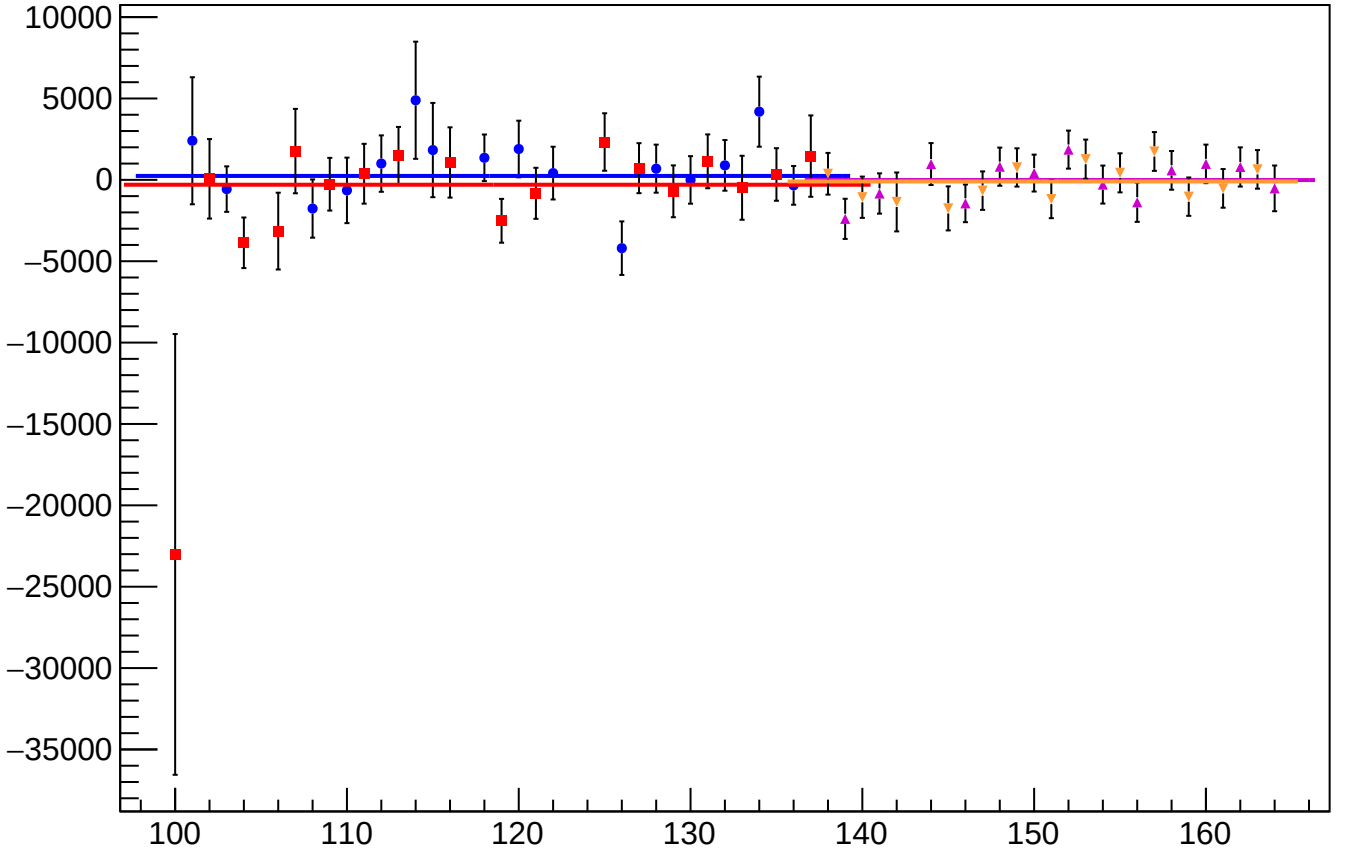
Left In: 482.757+/-0.104 χ^2/NDF:359101.0/12

\+ sign 440.947+/-0.077 χ^2/NDF: 2574513.7/28

All: 441.059+/-0.054 χ^2/NDF: 5481819.1/59

\- 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: -99.537+/-343.558 χ^2/NDF:9.3/12

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

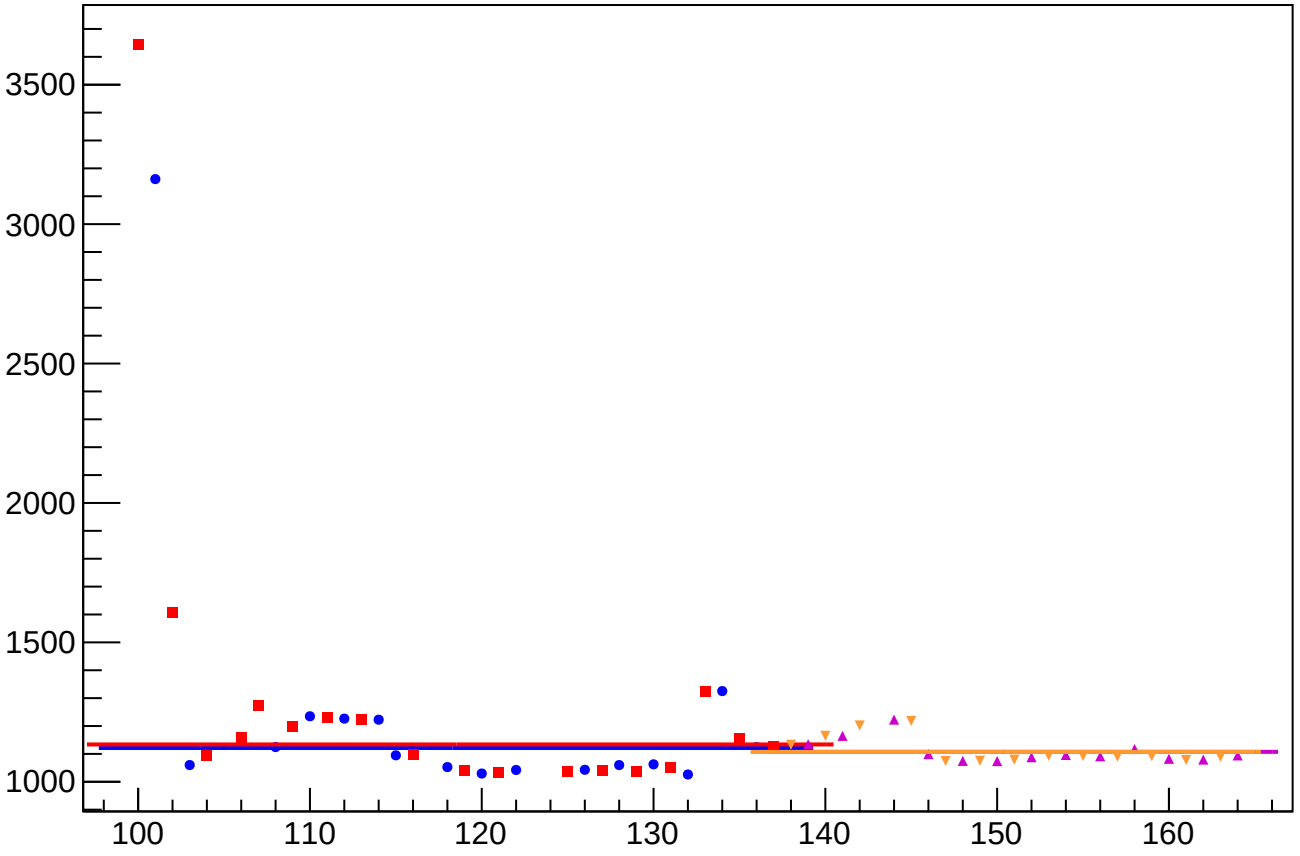
Left In: -12.516+/-334.569 χ^2/NDF:12.4/12

+ sign 34.371+/-267.573 χ^2/NDF: 26.7/28

All: -43.926+/-188.011 χ^2/NDF: 58.2/59

- 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: 1107.037+/-0.243 χ^2/NDF:30942.0/12

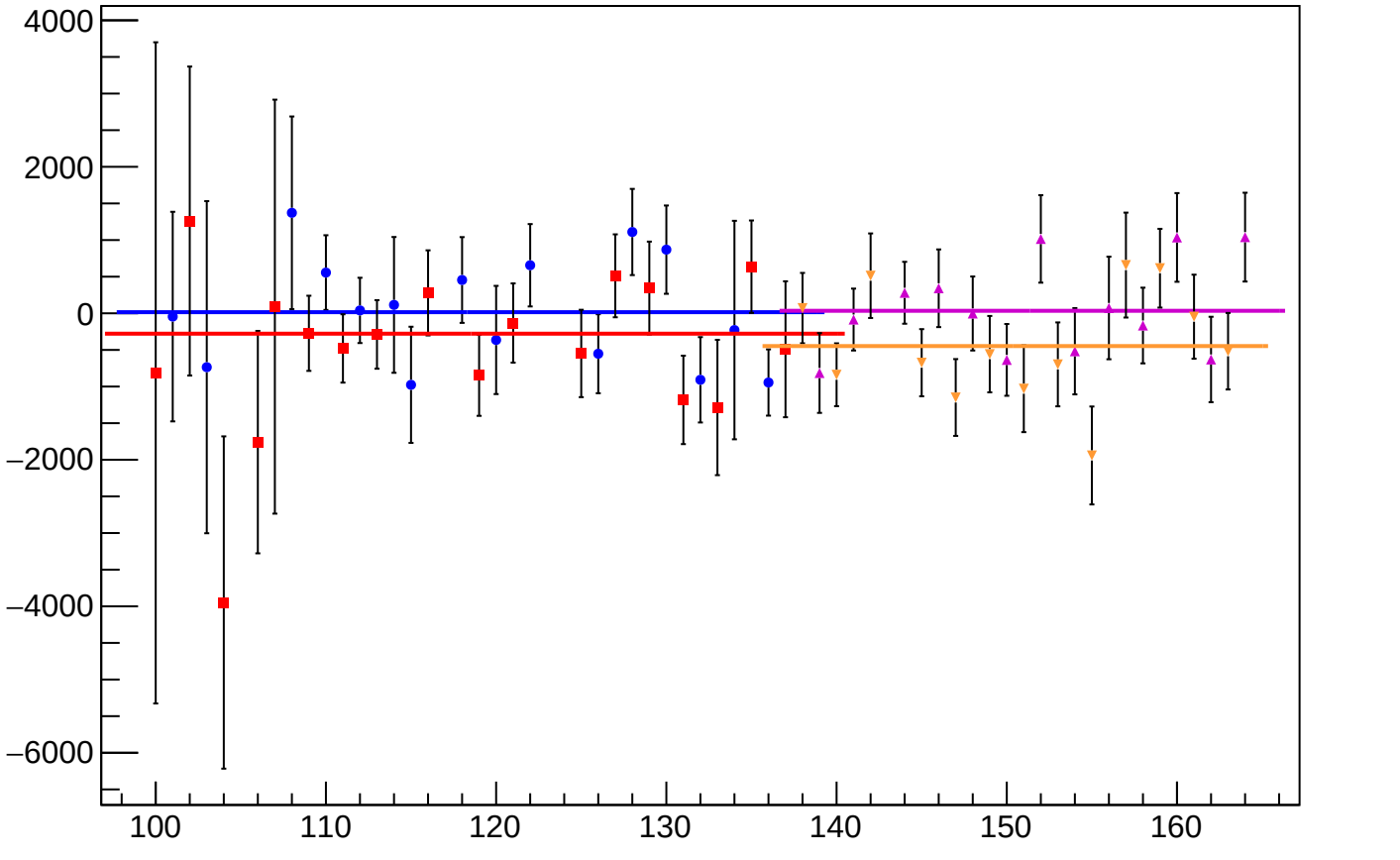
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

+ sign 1112.646+/-0.189 χ^2/NDF: 649325.3/28

All: 1115.051+/-0.133 χ^2/NDF: 909846.0/59

- 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: -447.427+/-148.902 χ^2/NDF:19.8/12

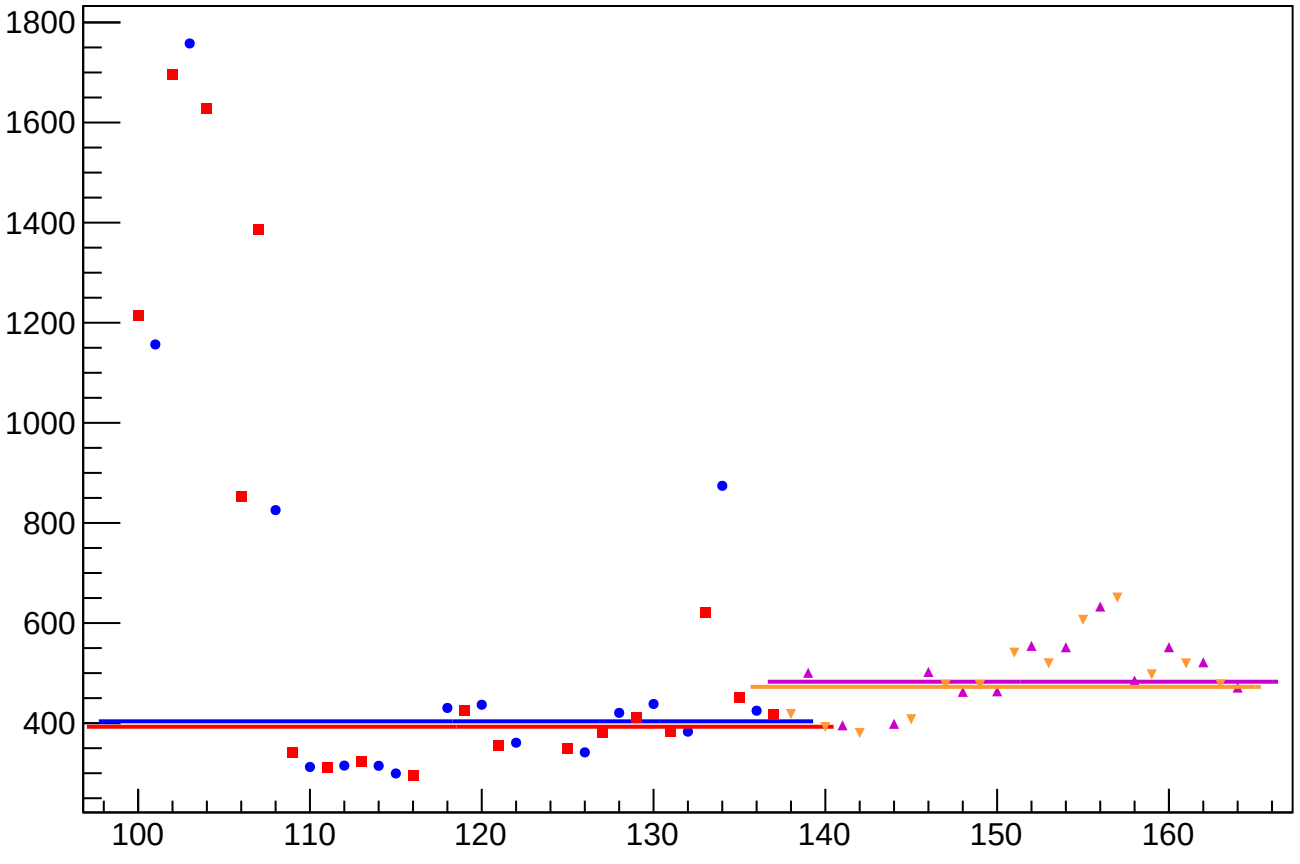
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 34.278+/-147.307 χ^2/NDF:15.6/12

+ sign -235.308+/-109.580 χ^2/NDF: 43.8/28

All: -171.870+/-76.922 χ^2/NDF: 77.2/59

- 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: 472.512+/-0.105 χ^2/NDF:448886.2/12

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

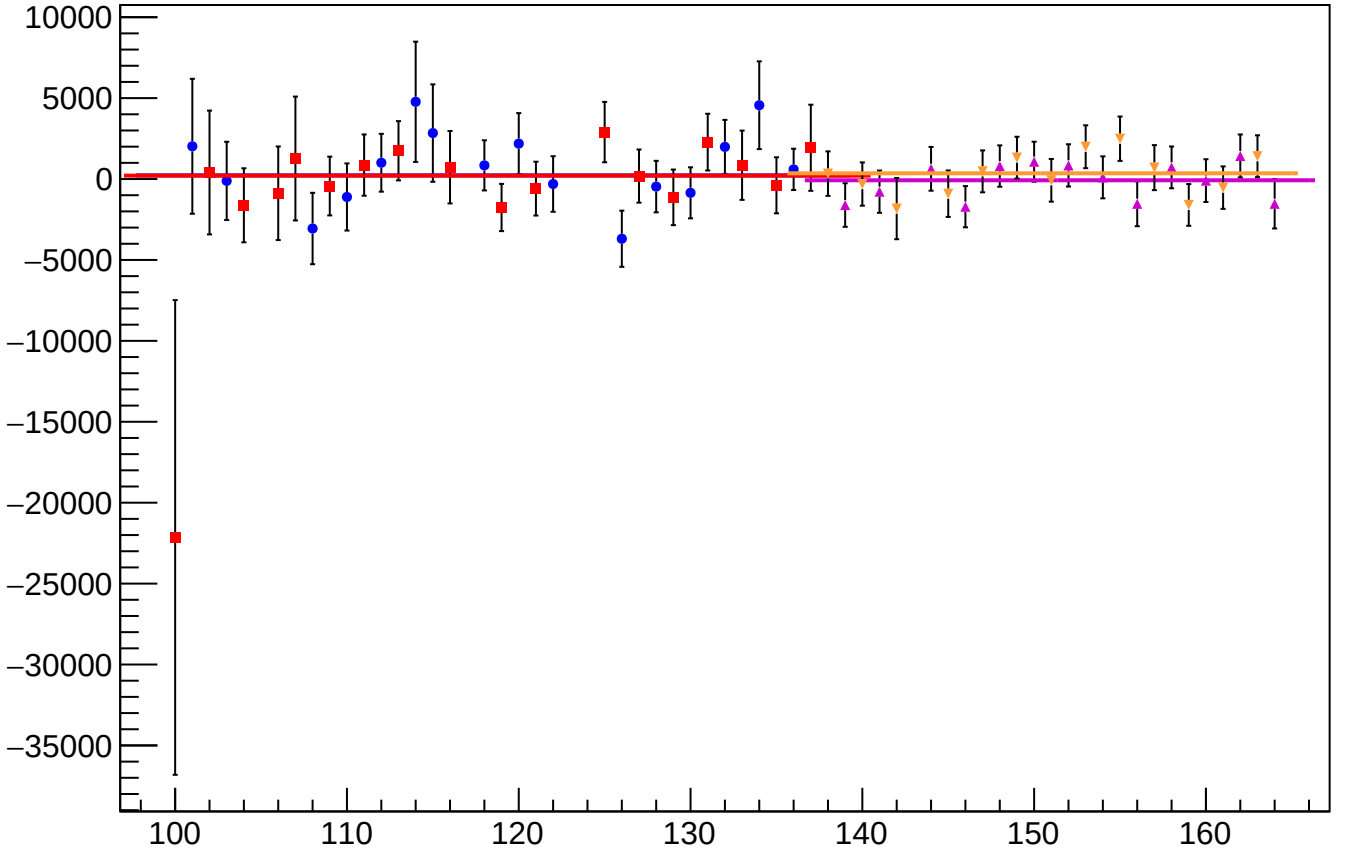
Left In: 482.758+/-0.104 χ^2/NDF:359109.6/12

+ sign 440.945+/-0.077 χ^2/NDF: 2574552.3/28

All: 441.058+/-0.054 χ^2/NDF: 5481909.0/59

- 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: 353.412+/-377.224 χ^2/NDF:10.5/12

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

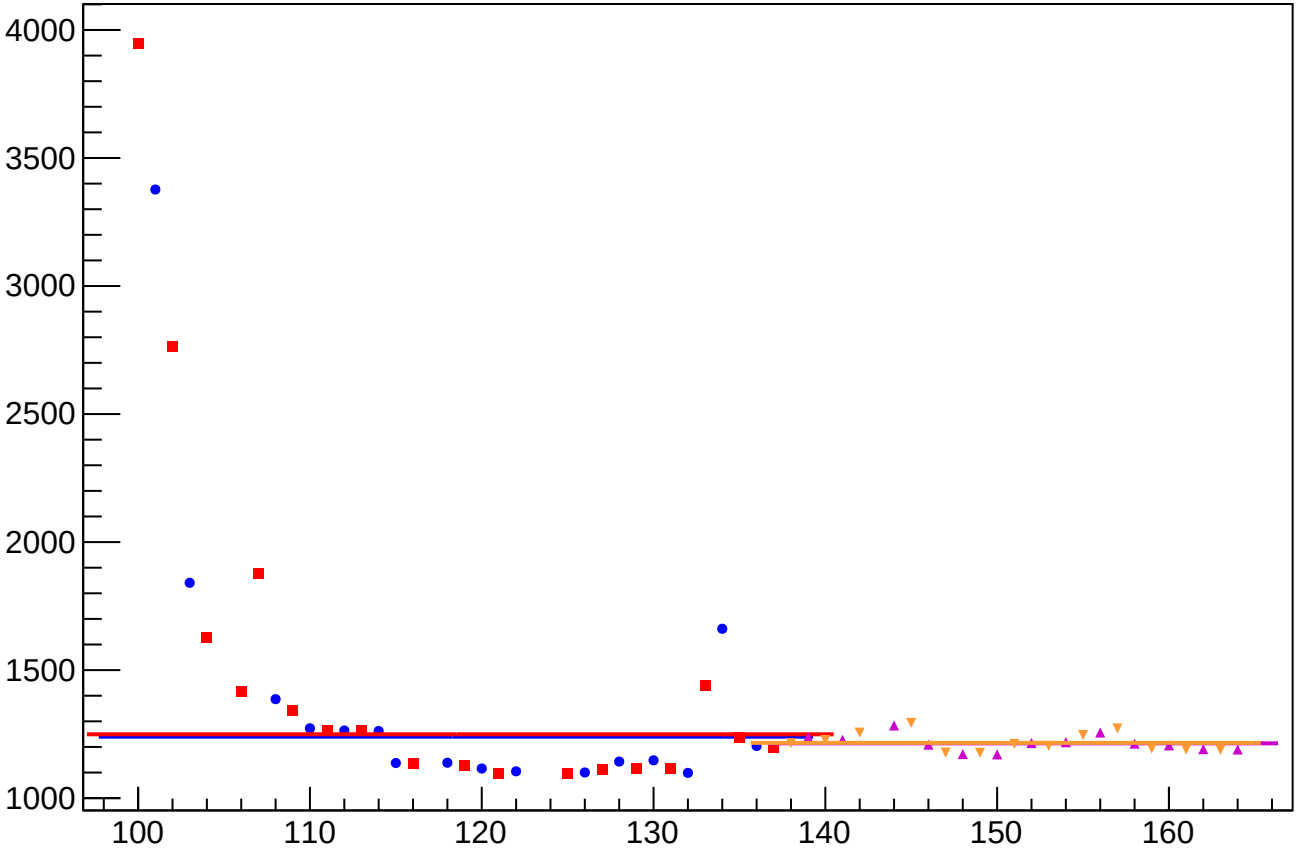
Left In: -77.231+/-366.689 χ^2/NDF:9.0/12

+ sign 303.620+/-295.296 χ^2/NDF: 26.6/28

All: 164.321+/-207.234 χ^2/NDF: 47.3/59

- 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: 1215.925+/-0.267 χ^2/NDF:17158.6/12

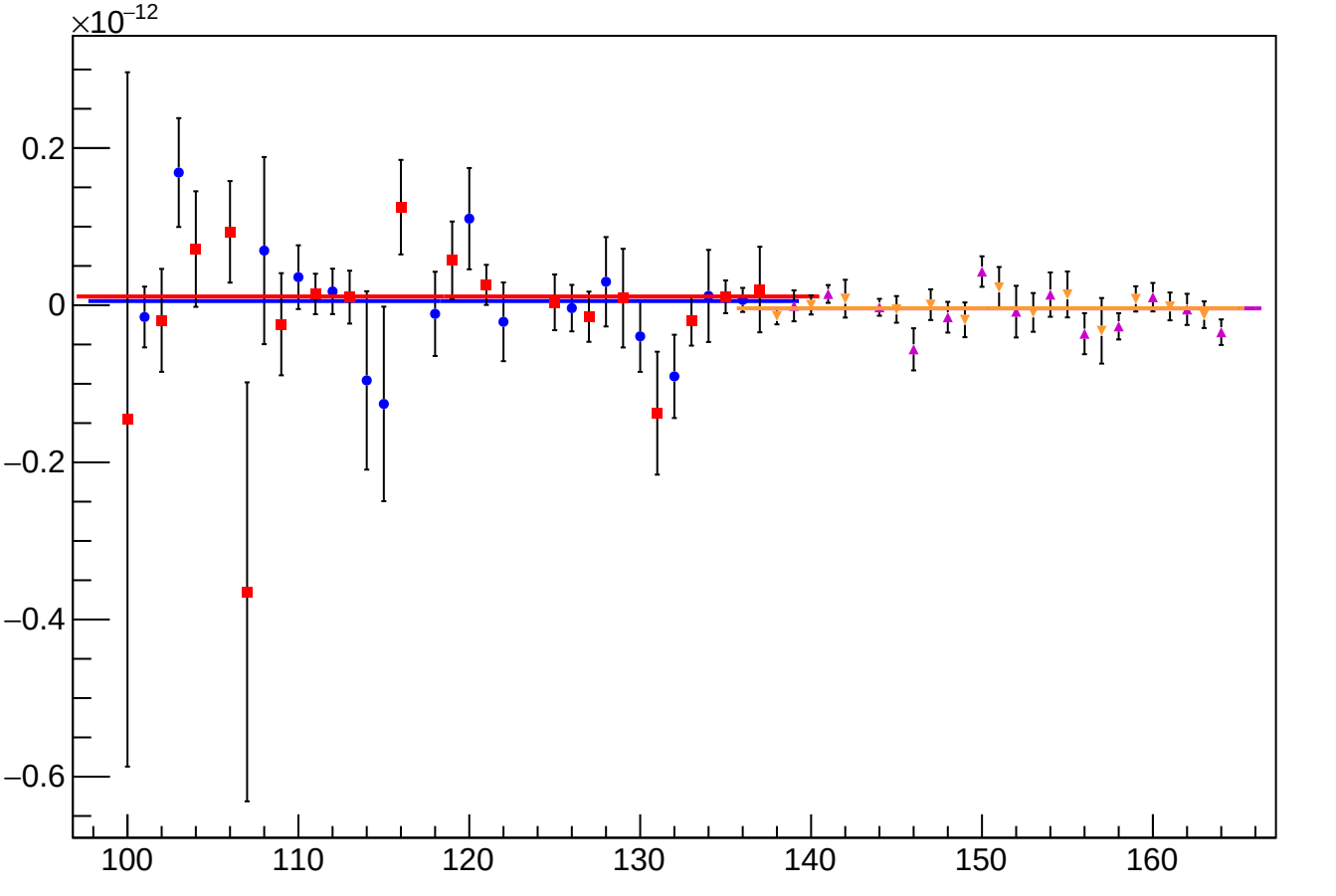
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.079+/-0.259 χ^2/NDF:13864.7/12

+ sign 1225.301+/-0.209 χ^2/NDF: 803029.5/28

All: 1226.252+/-0.147 χ^2/NDF: 1429916.4/59

- 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:4.5/12

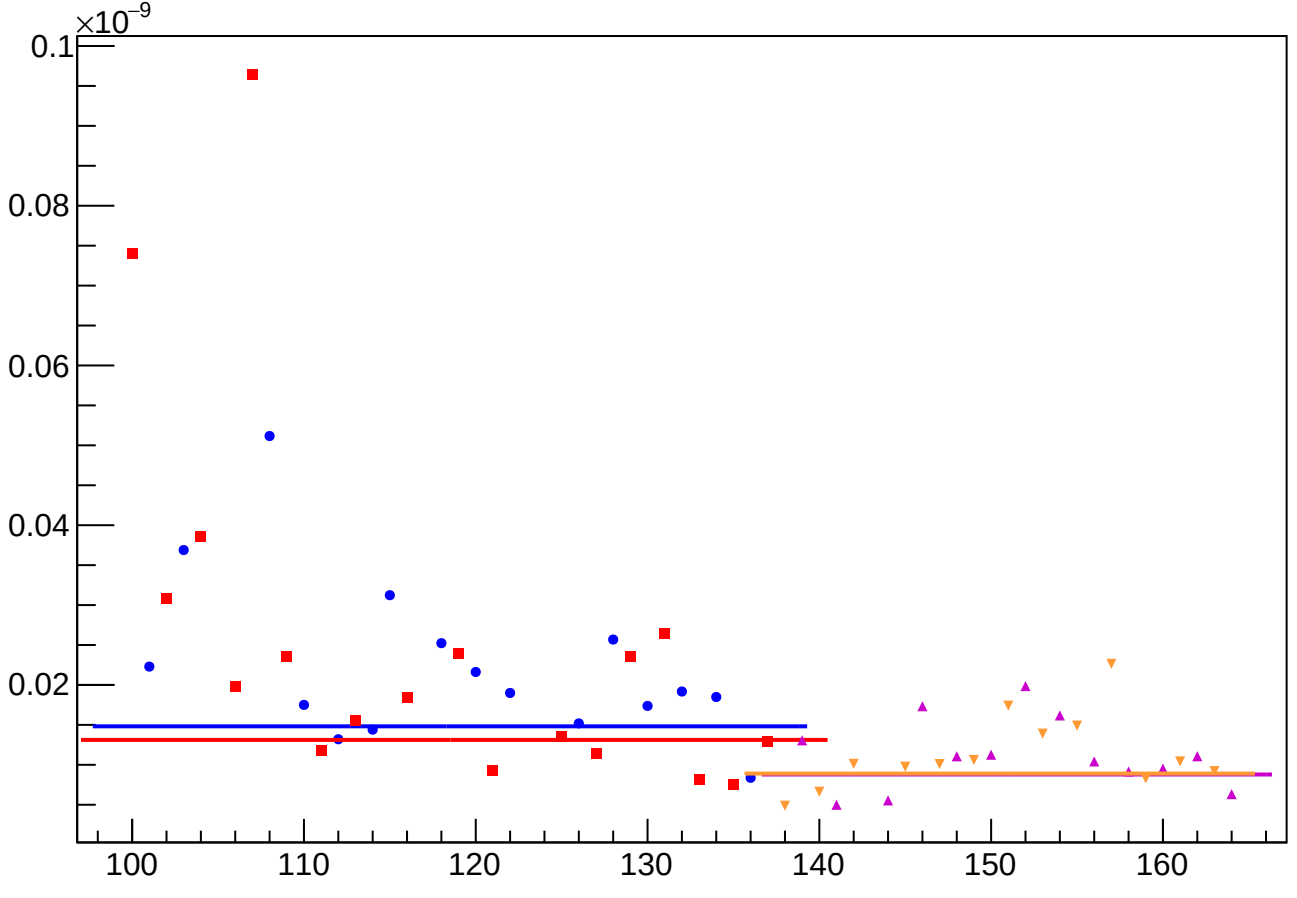
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/28

All: -0.000+/-0.000 χ^2/NDF: 59.2/59

- 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:1002372.1/12

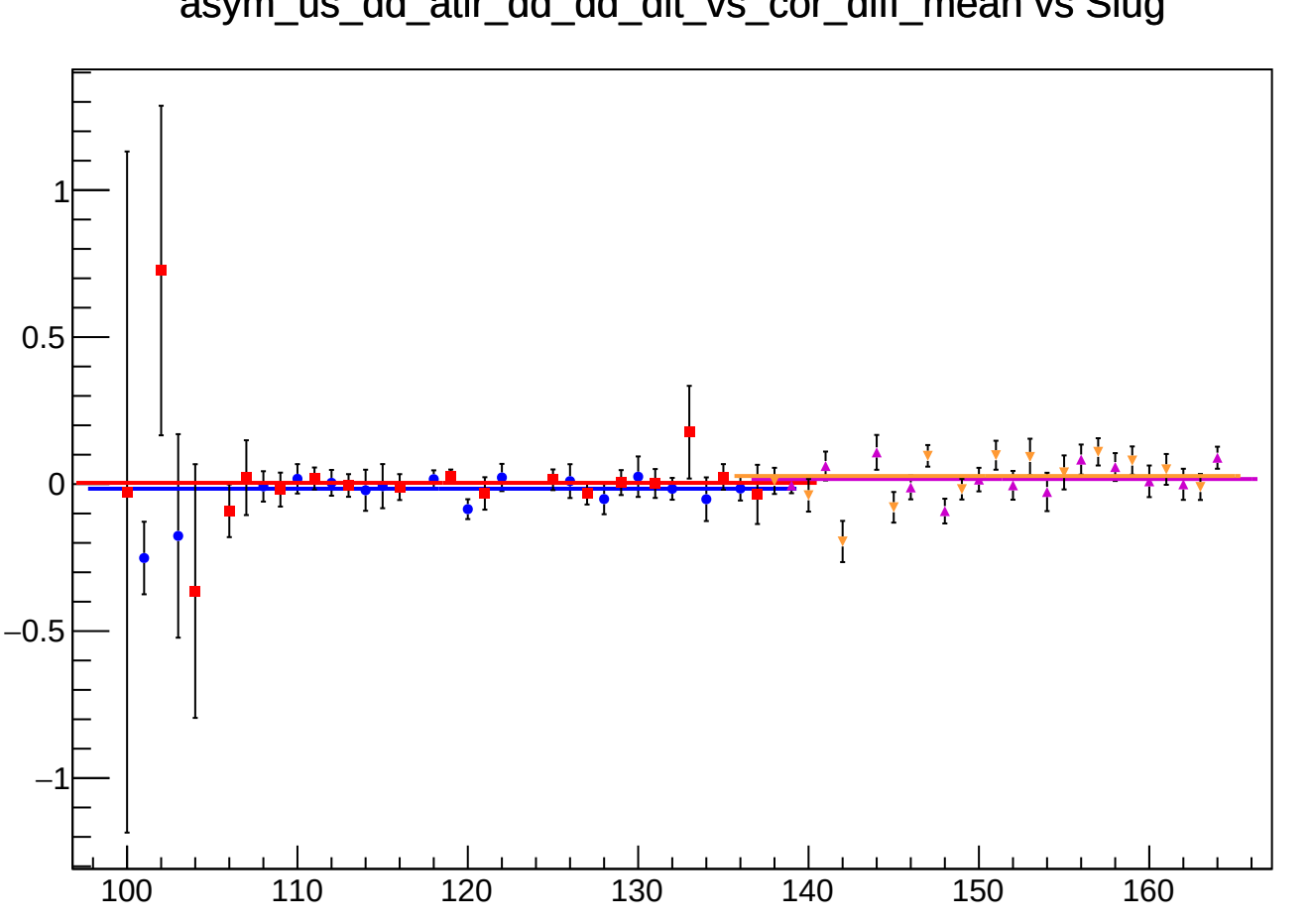
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1211181.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2678297.2/28

All: 0.000+/-0.000 χ^2/NDF: 5417792.8/59

- 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: 0.027+/-0.013 χ^2/NDF:29.4/12

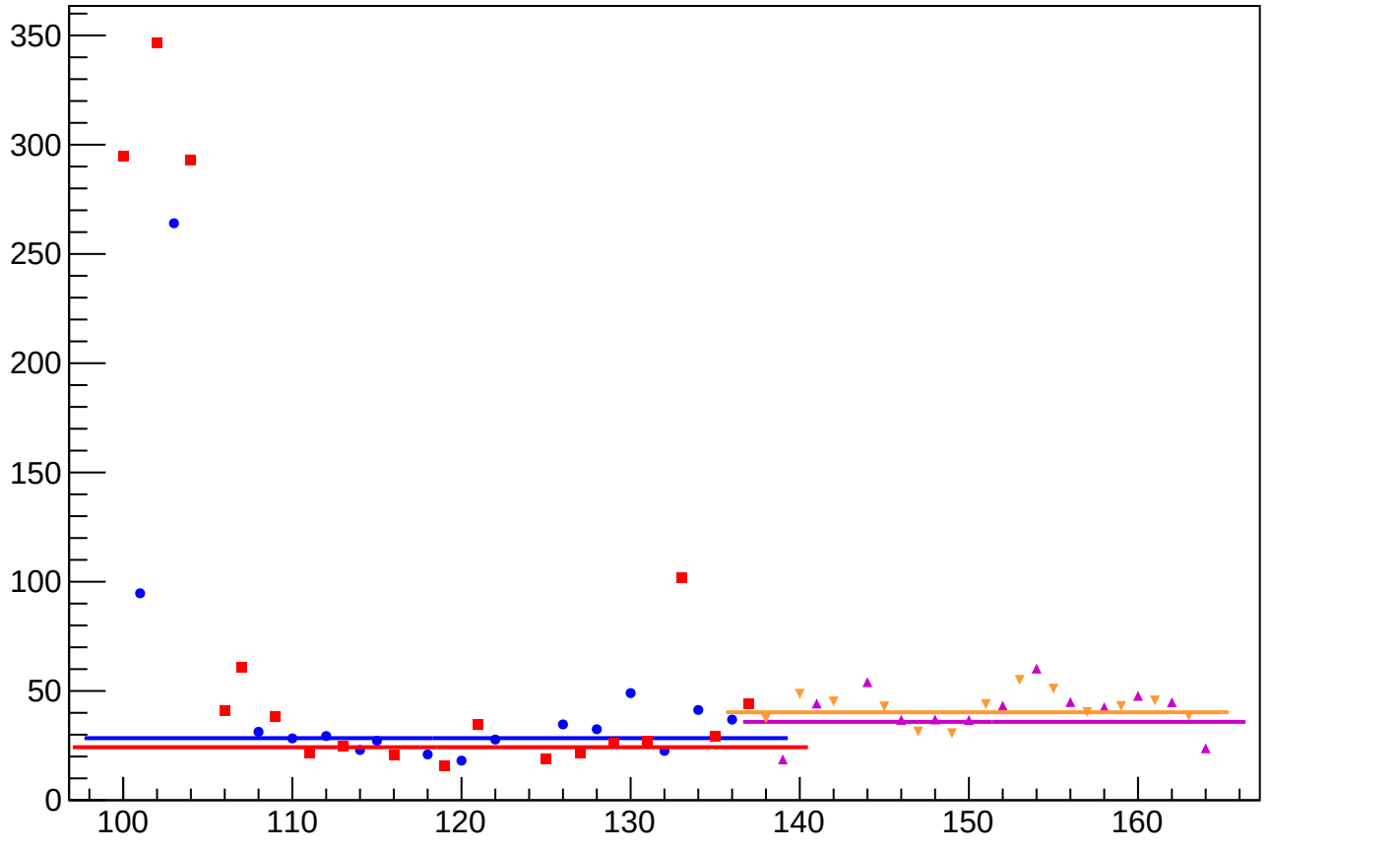
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.008+/-0.006 χ^2/NDF: 73.6/59

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

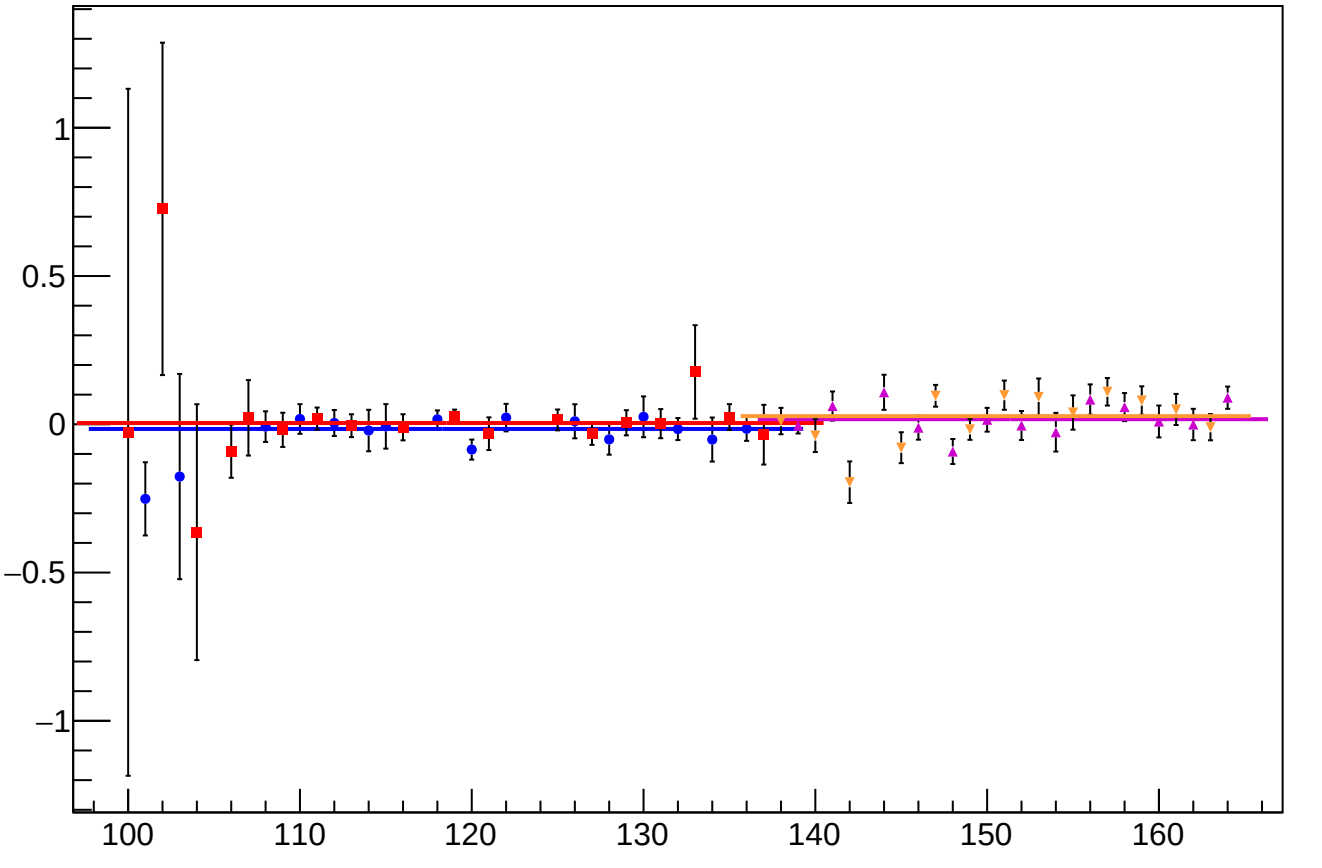
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

+ sign 33.897+/-0.006 χ^2/NDF: 3663642.2/28

All: 31.642+/-0.004 χ^2/NDF: 9664309.8/59

- 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: 0.027+/-0.013 χ^2/NDF:29.4/12

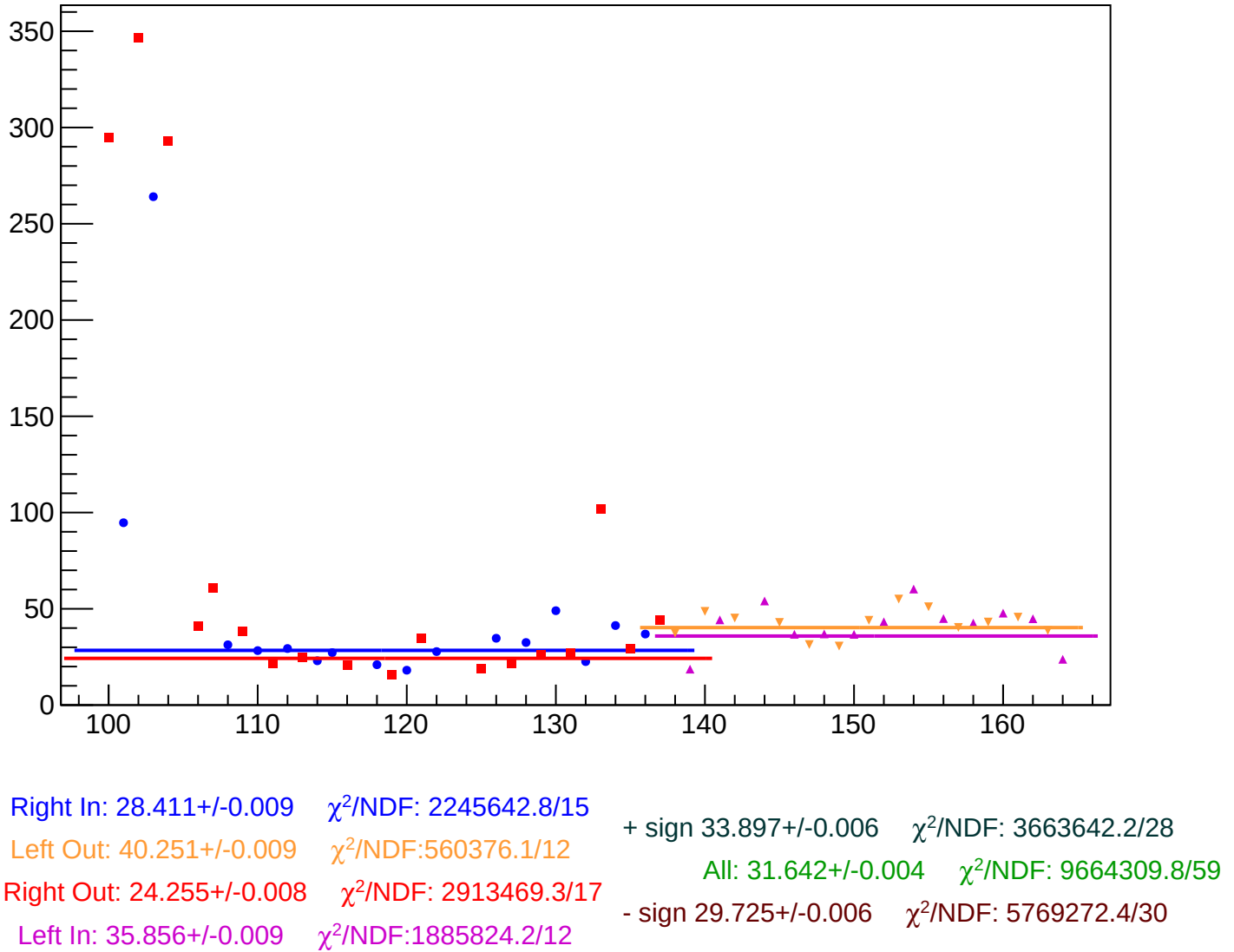
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

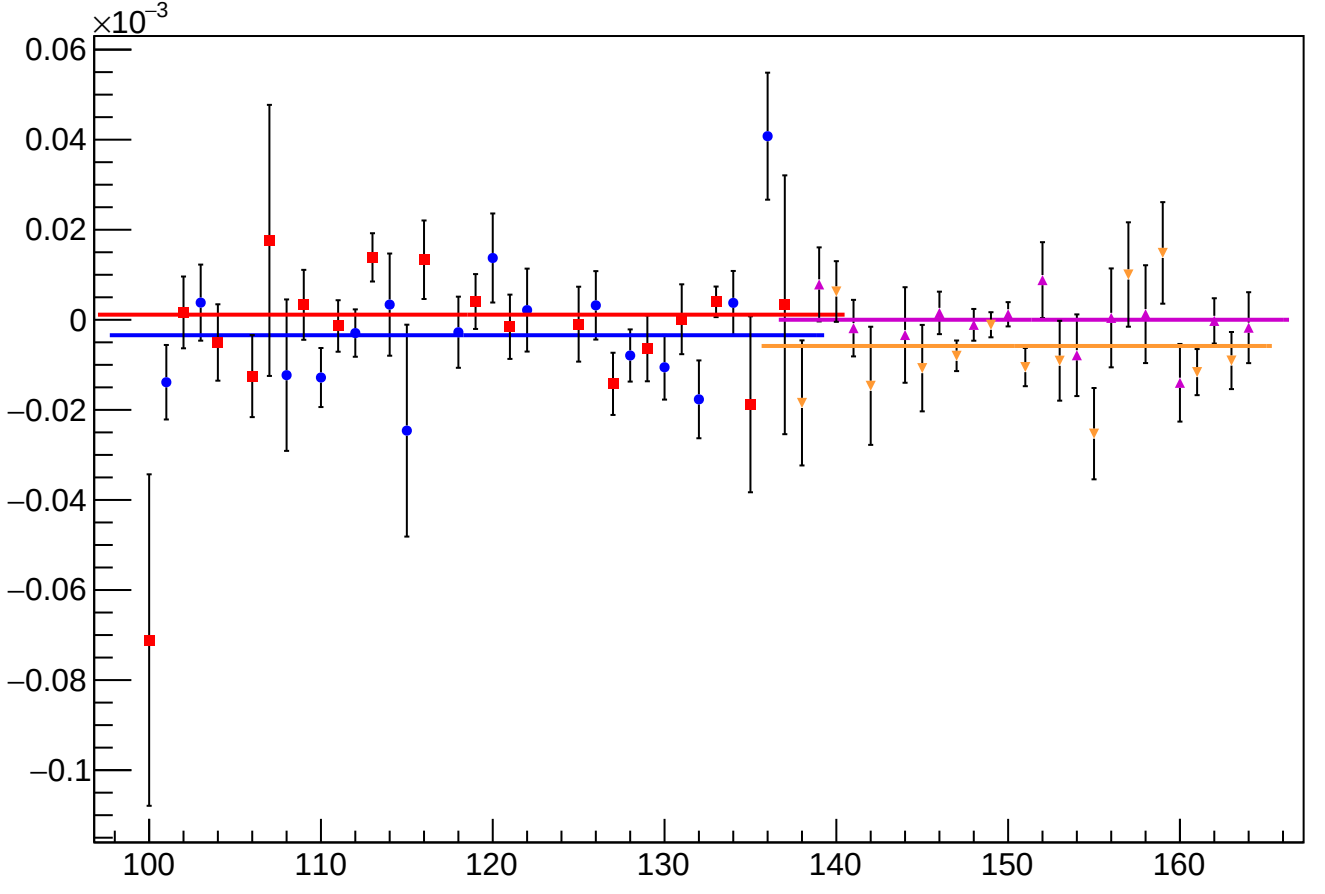
Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.008+/-0.006 χ^2/NDF: 73.6/59

- 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: 40.251+/-0.009 χ²/NDF:560376.1/12
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 35.856+/-0.009 χ²/NDF:1885824.2/12
+ sign 33.897+/-0.006 χ²/NDF: 3663642.2/28
All: 31.642+/-0.004 χ²/NDF: 9664309.8/59
- 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:19.9/12

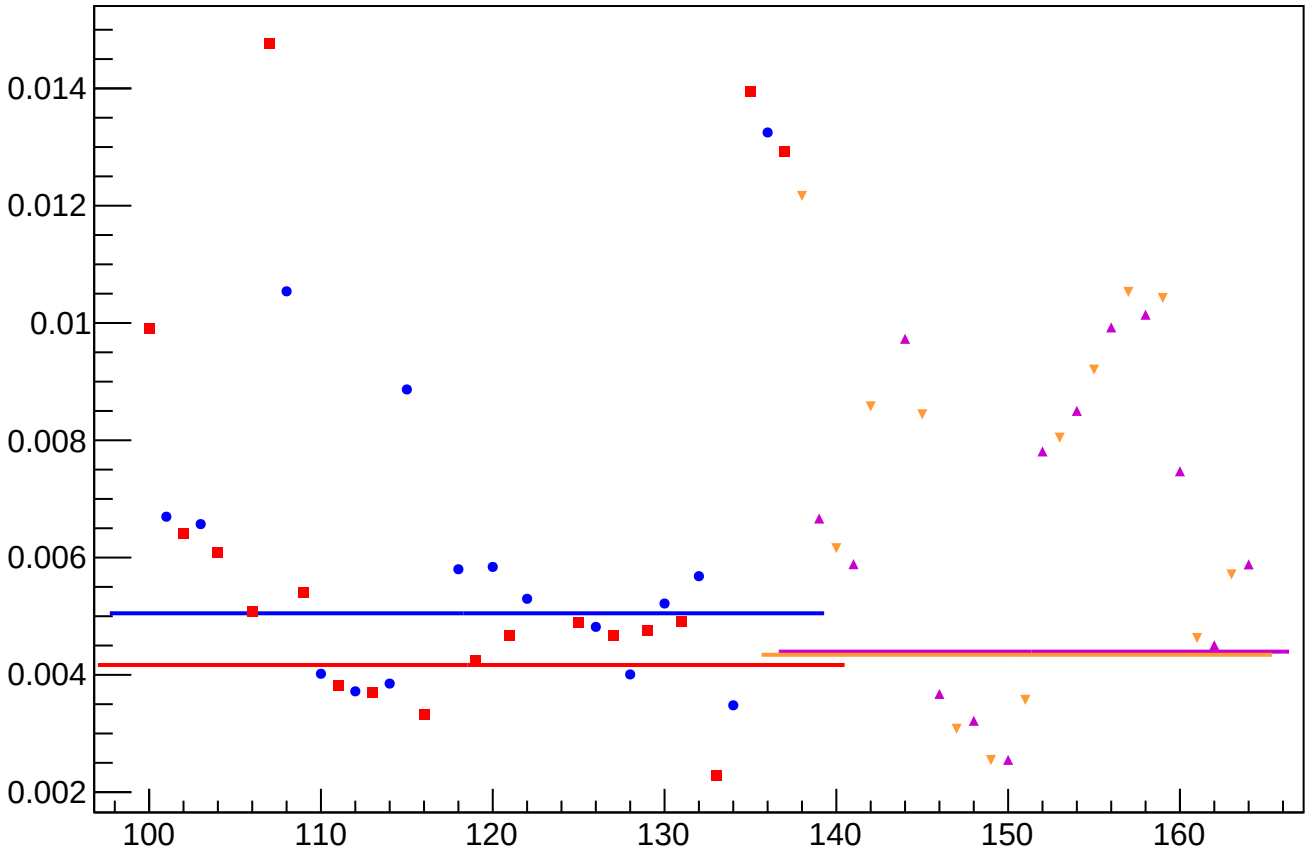
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/28

All: -0.000+/-0.000 χ^2/NDF: 85.7/59

- 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:4583522.6/12

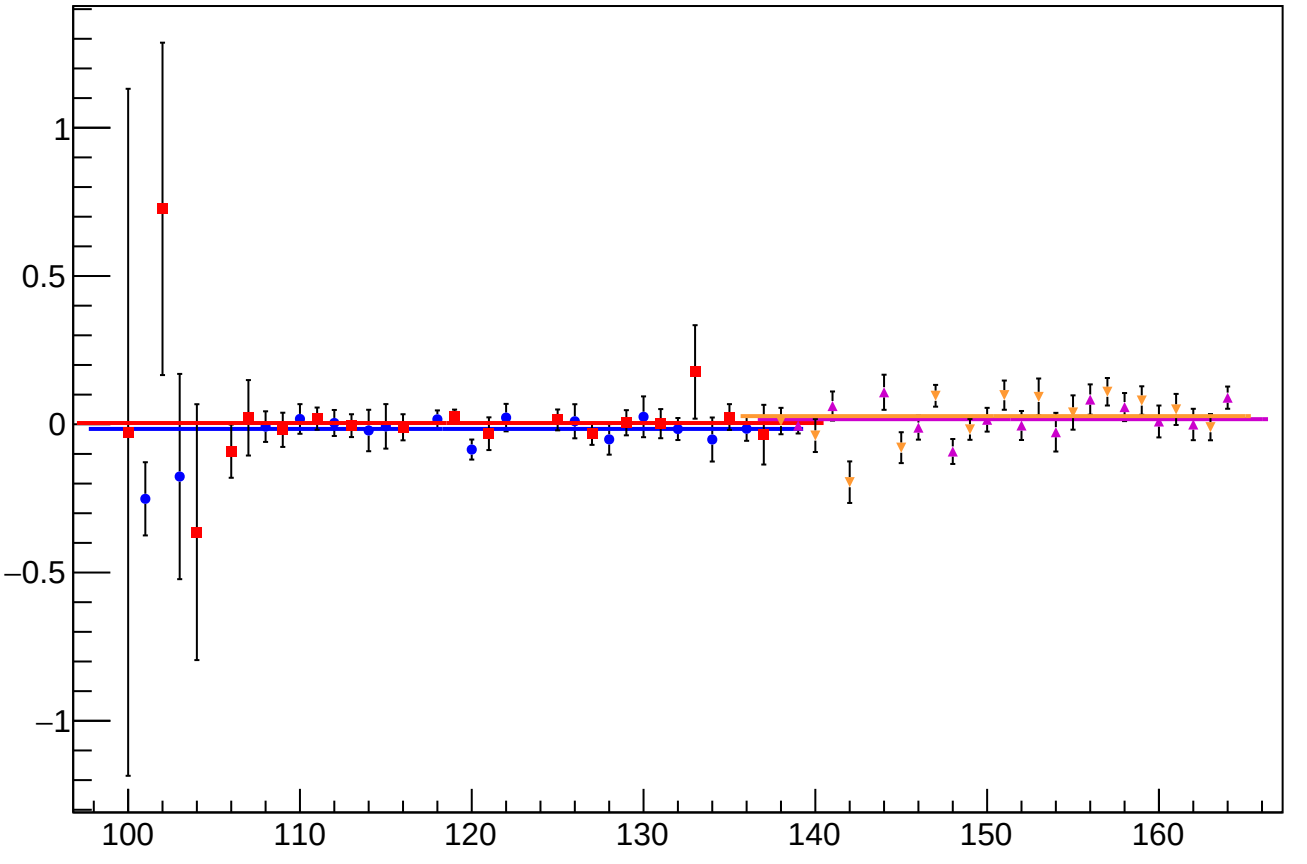
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4110791.2/12

+ sign 0.005+/-0.000 χ^2/NDF: 6231492.3/28

All: 0.004+/-0.000 χ^2/NDF: 12472607.1/59

- 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: 0.027+/-0.013 χ^2/NDF:29.3/12

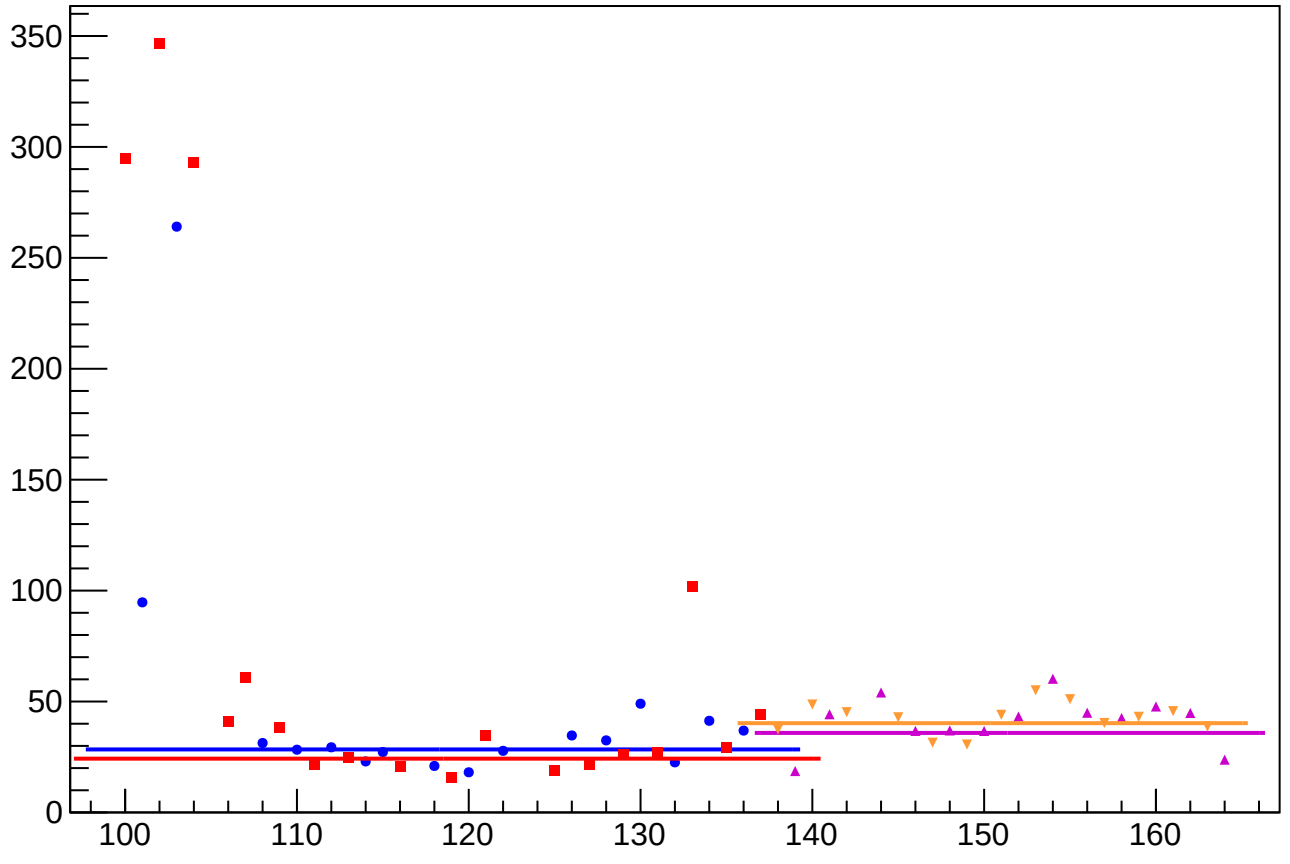
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.008+/-0.006 χ^2/NDF: 73.6/59

- 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: 40.250+/-0.009 χ^2/NDF:560652.8/12

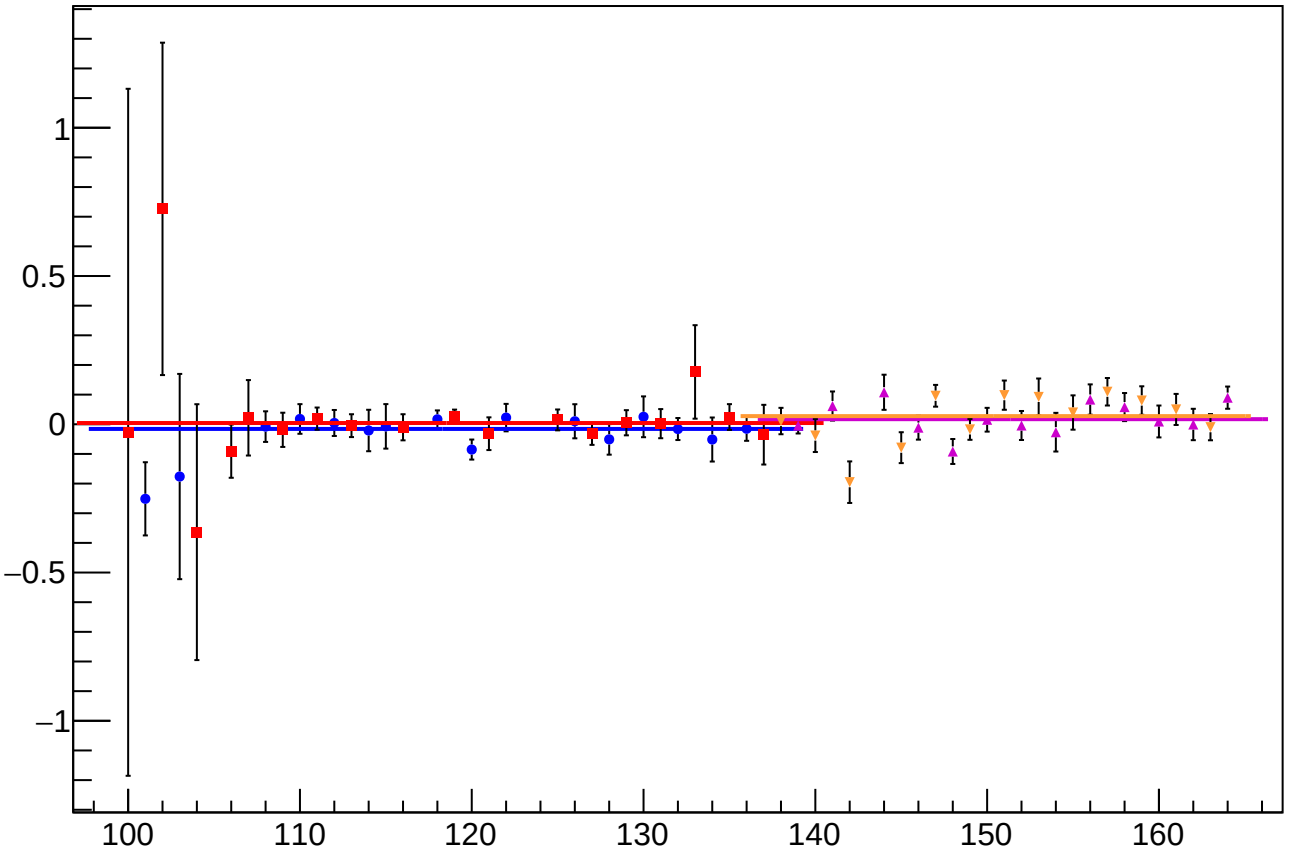
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

+ sign 33.896+/-0.006 χ^2/NDF: 3663840.4/28

All: 31.641+/-0.004 χ^2/NDF: 9665534.7/59

- 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: 0.027+/-0.013 χ^2/NDF:29.3/12

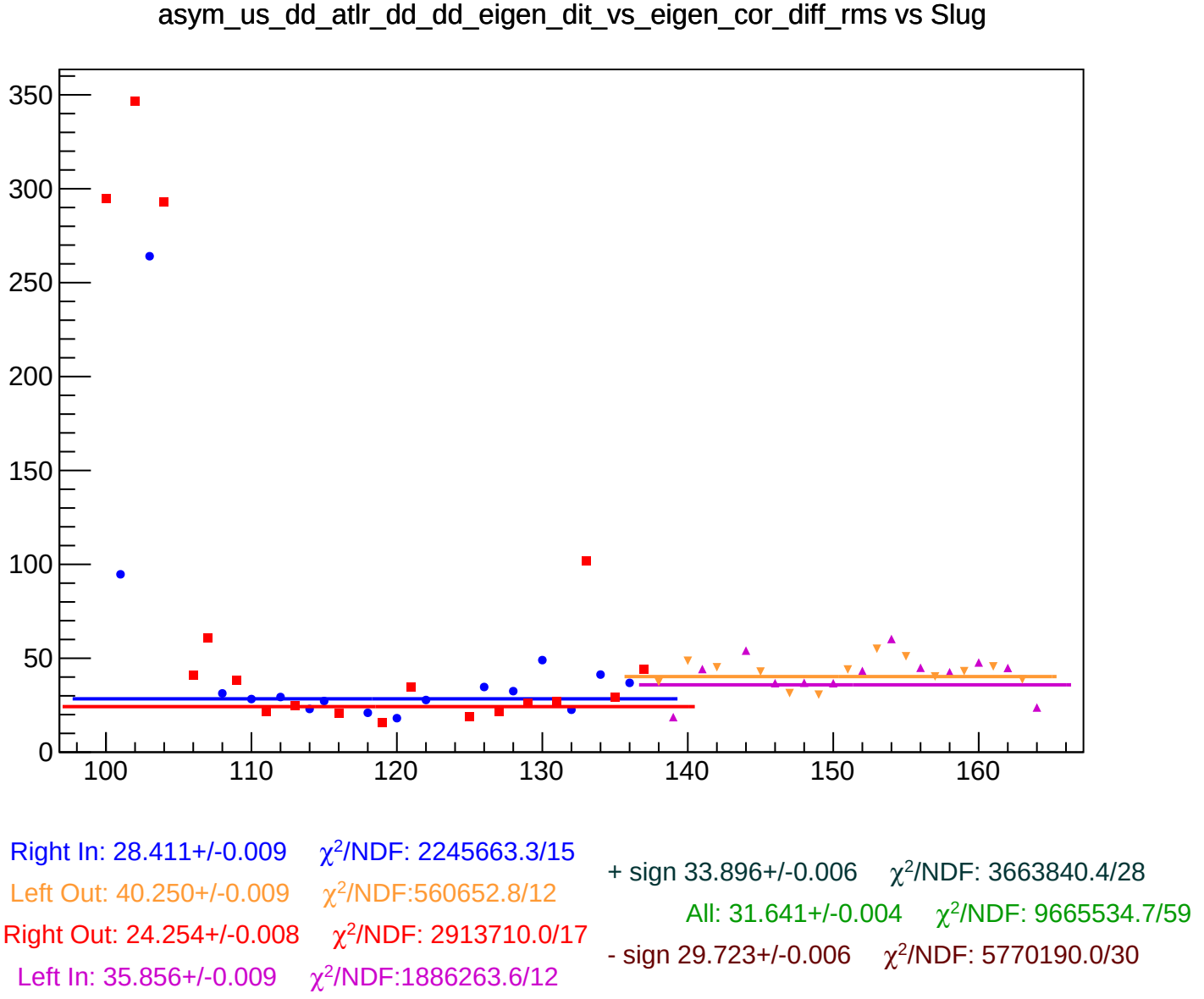
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.008+/-0.006 χ^2/NDF: 73.6/59

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
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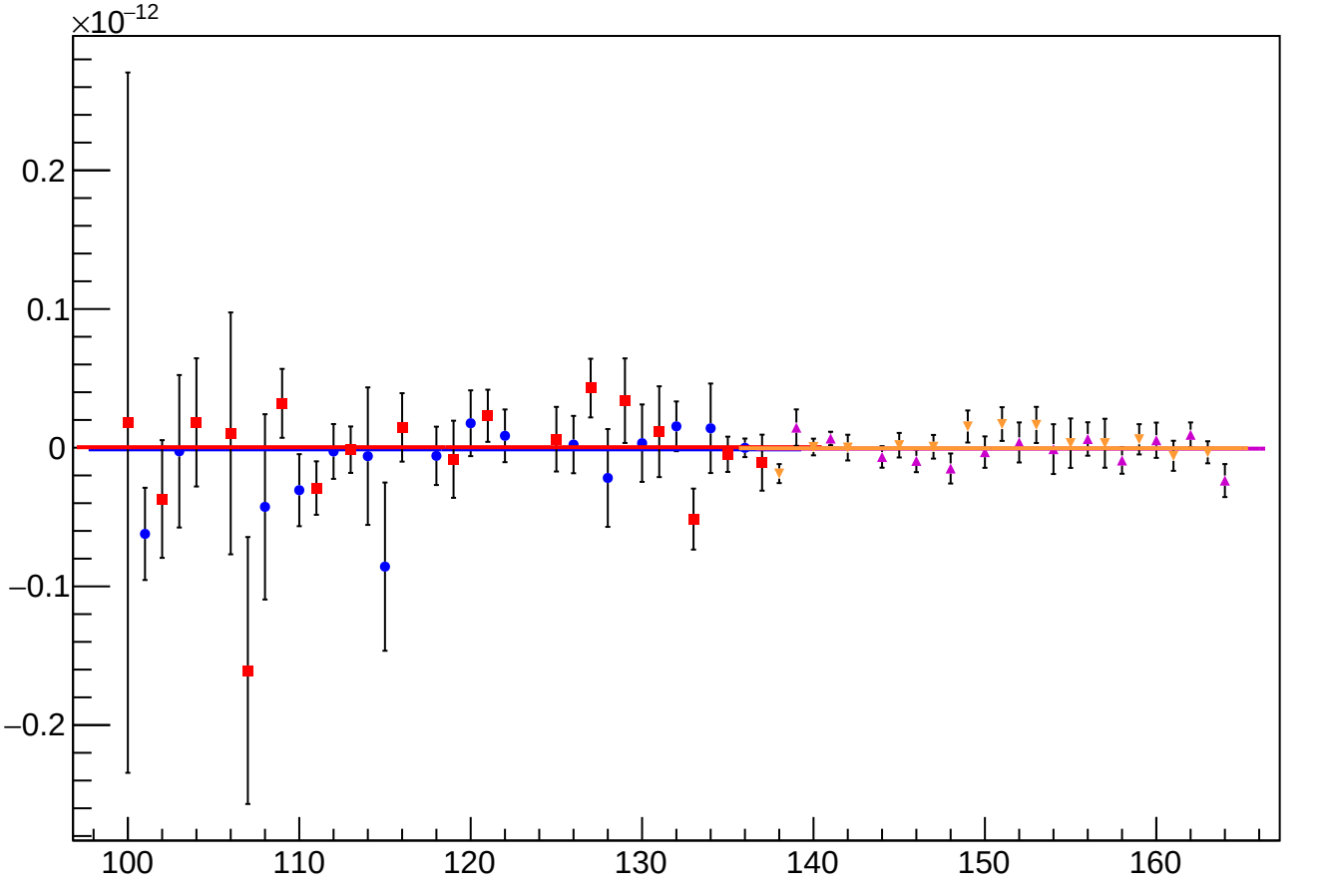
120
130
140
150
160
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 40.250+/-0.009 χ²/NDF:560652.8/12
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 35.856+/-0.009 χ²/NDF:1886263.6/12
+ sign 33.896+/-0.006 χ²/NDF: 3663840.4/28
All: 31.641+/-0.004 χ²/NDF: 9665534.7/59
- sign 29.723+/-0.006 χ²/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:13.6/12

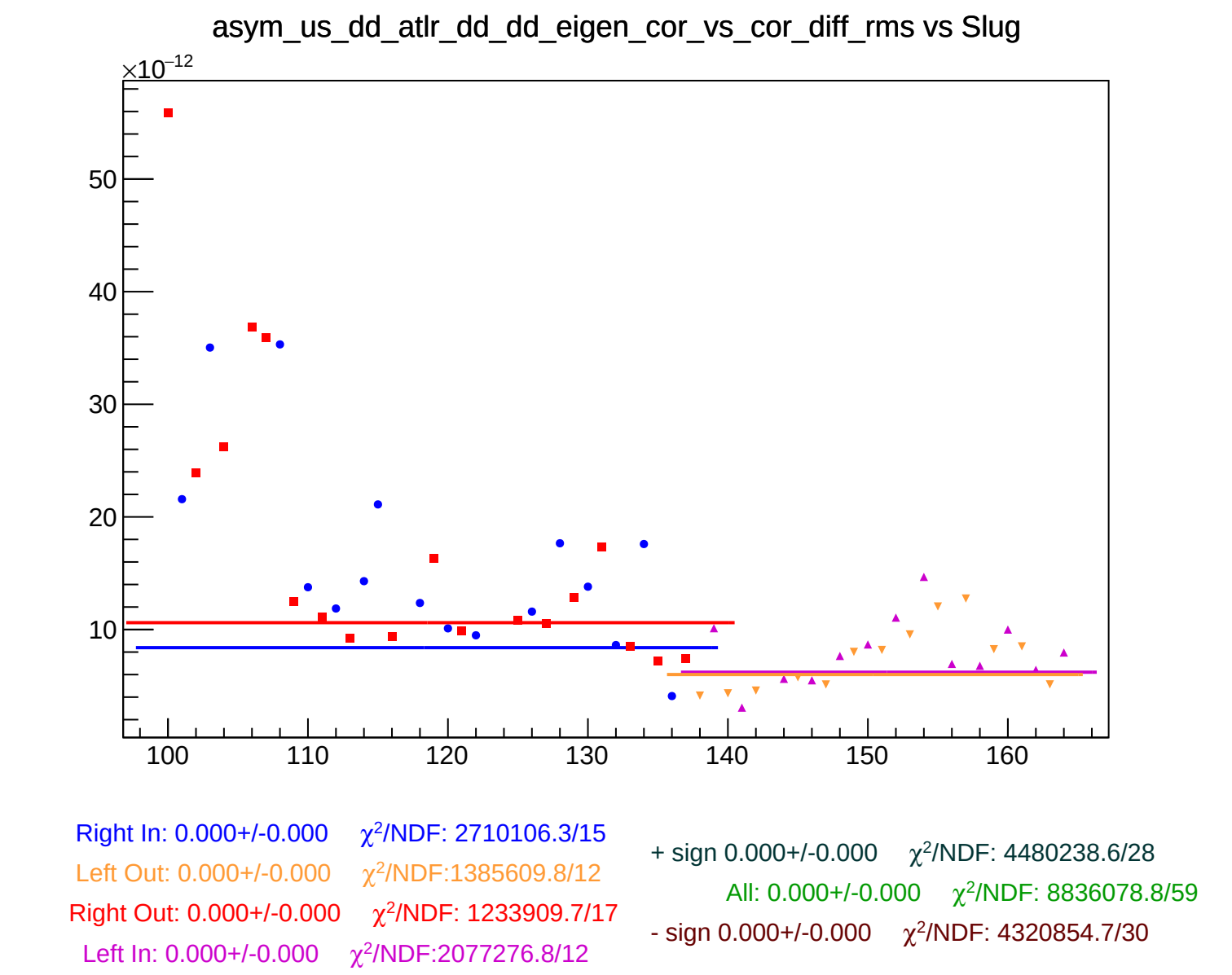
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/28

All: -0.000+/-0.000 χ^2/NDF: 57.8/59

- sign -0.000+/-0.000 χ^2/NDF: 34.7/30


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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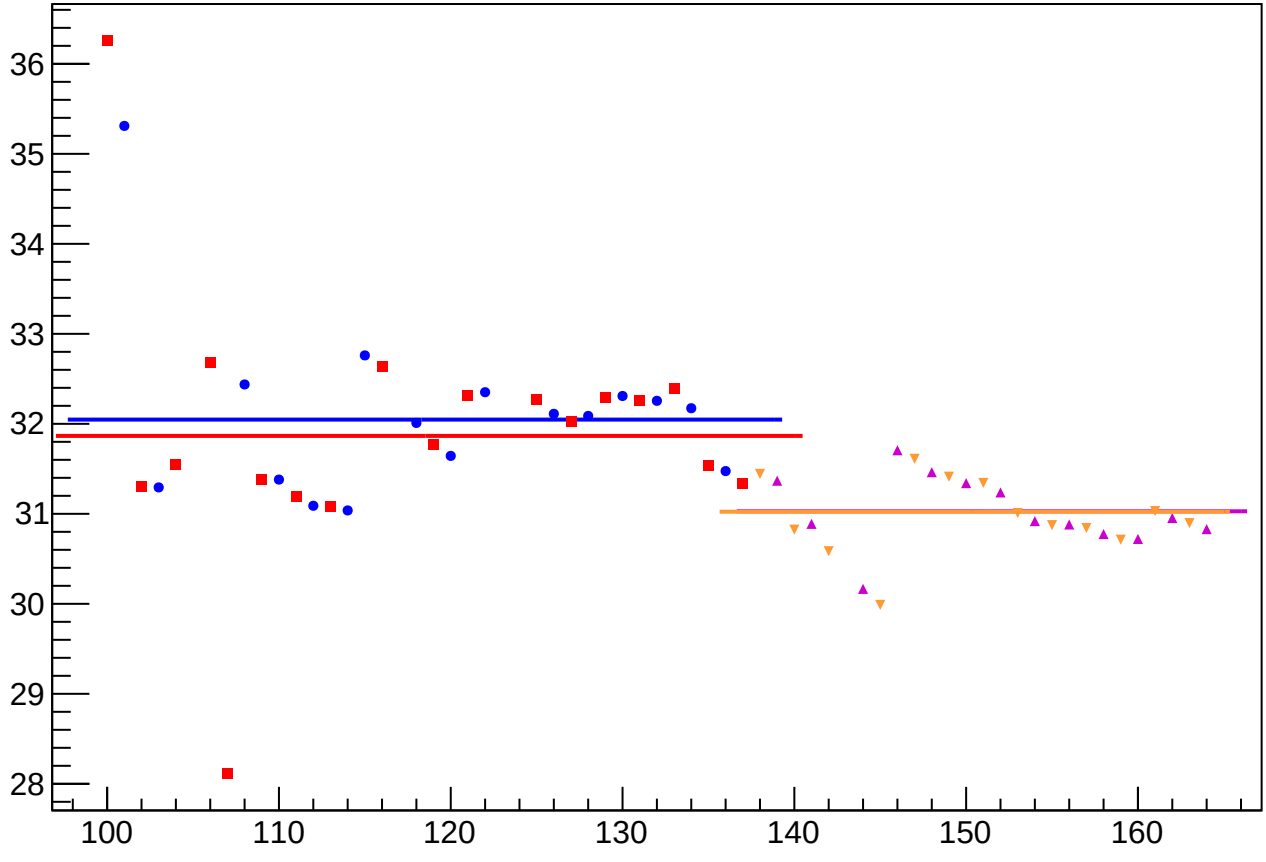
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1385609.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2077276.8/12
+ sign 0.000+/-0.000 χ²/NDF: 4480238.6/28
All: 0.000+/-0.000 χ²/NDF: 8836078.8/59
- sign 0.000+/-0.000 χ²/NDF: 4320854.7/30

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.023+/-0.000 χ^2/NDF:216667269.5/12

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

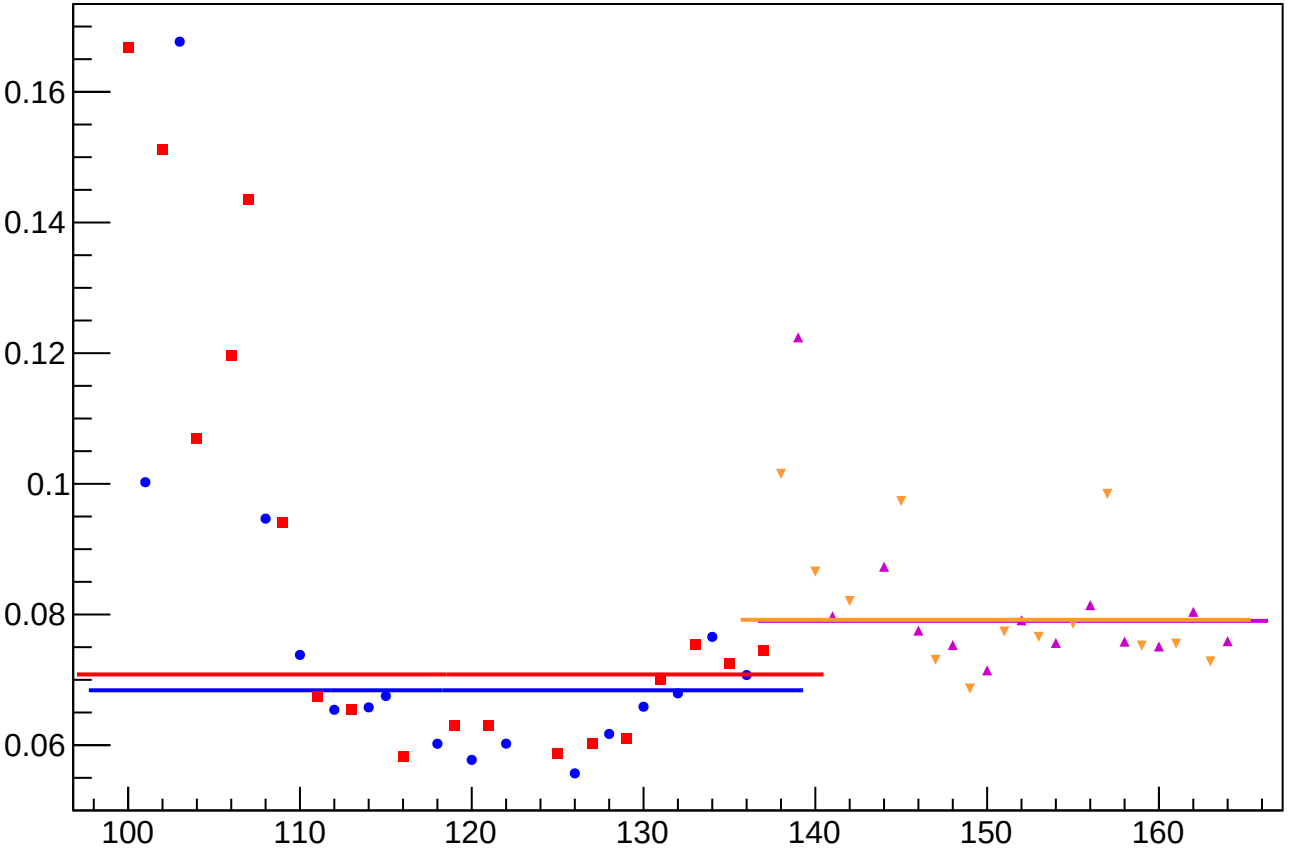
Left In: 31.028+/-0.000 χ^2/NDF:224050206.6/12

+ sign 31.510+/-0.000 χ^2/NDF: 1850078307.0/28

All: 31.455+/-0.000 χ^2/NDF: 3063625399.1/5

- 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:254591.5/12

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

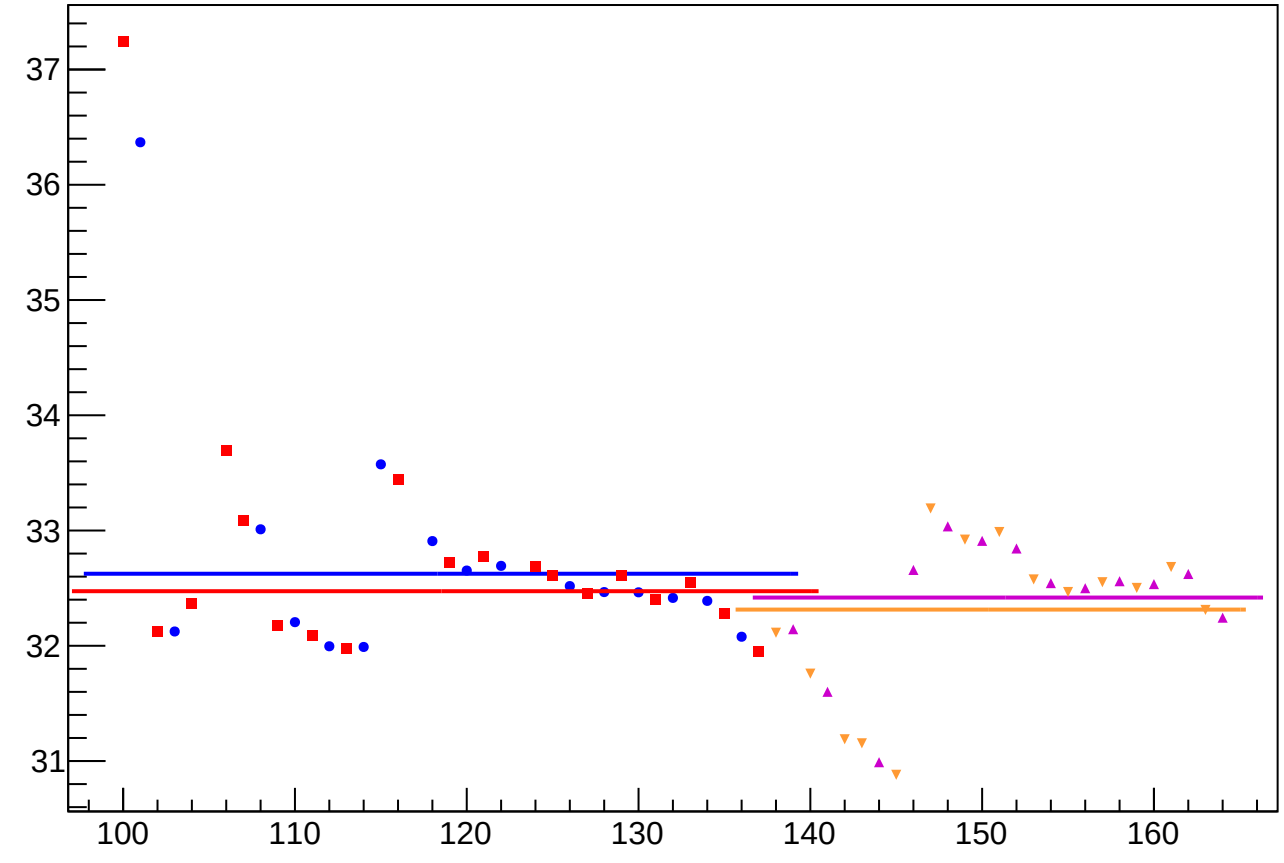
Left In: 0.079+/-0.000 χ^2/NDF:249014.4/12

+ sign 0.074+/-0.000 χ^2/NDF: 1121127.0/28

All: 0.075+/-0.000 χ^2/NDF: 2336537.0/59

- 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:773272018.4/13

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

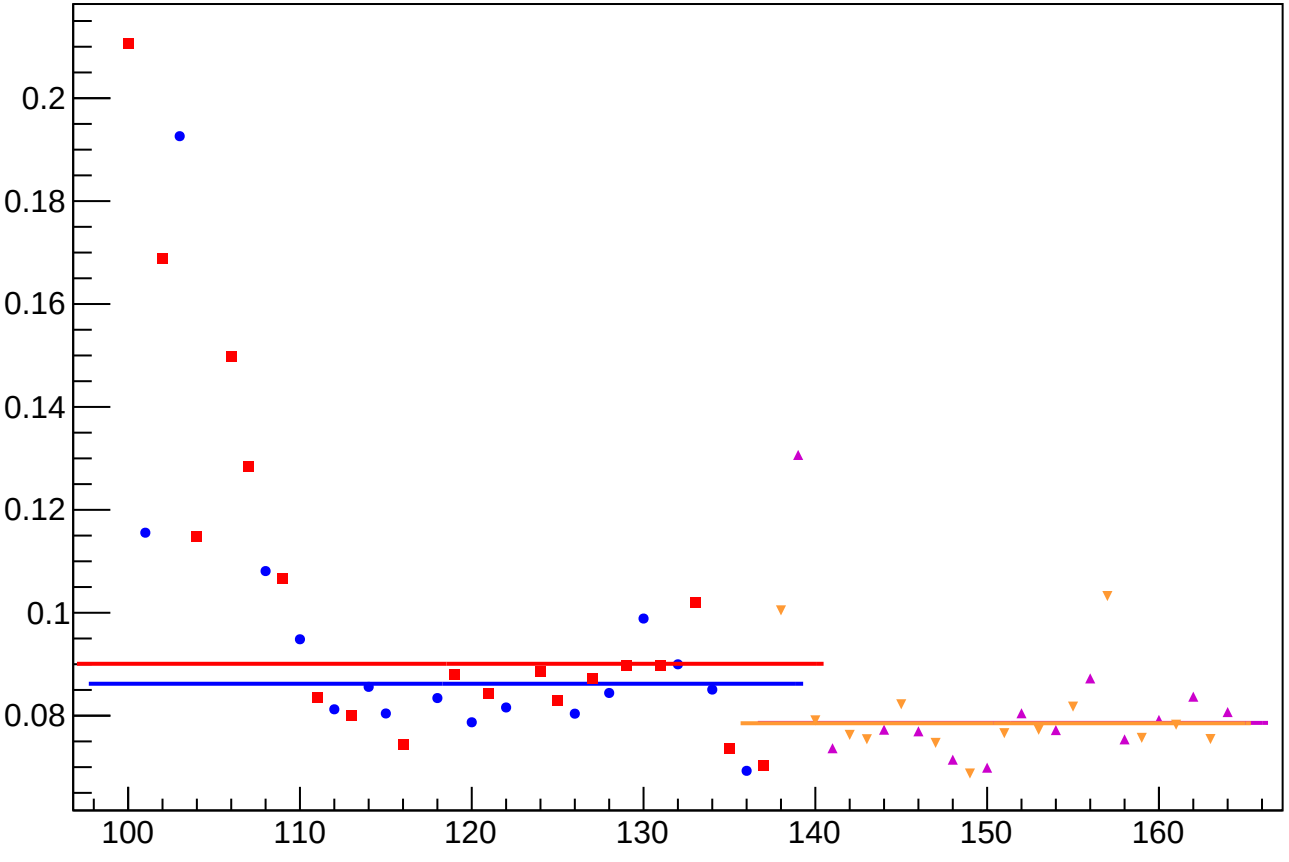
Left In: 32.418+/-0.000 χ^2/NDF:527571428.5/12

+ sign 32.420+/-0.000 χ^2/NDF: 1566212133.2/29

All: 32.428+/-0.000 χ^2/NDF: 2252533112.9/6

- sign 32.437+/-0.000 χ^2/NDF: 685993353.5/31

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:197559.0/13

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

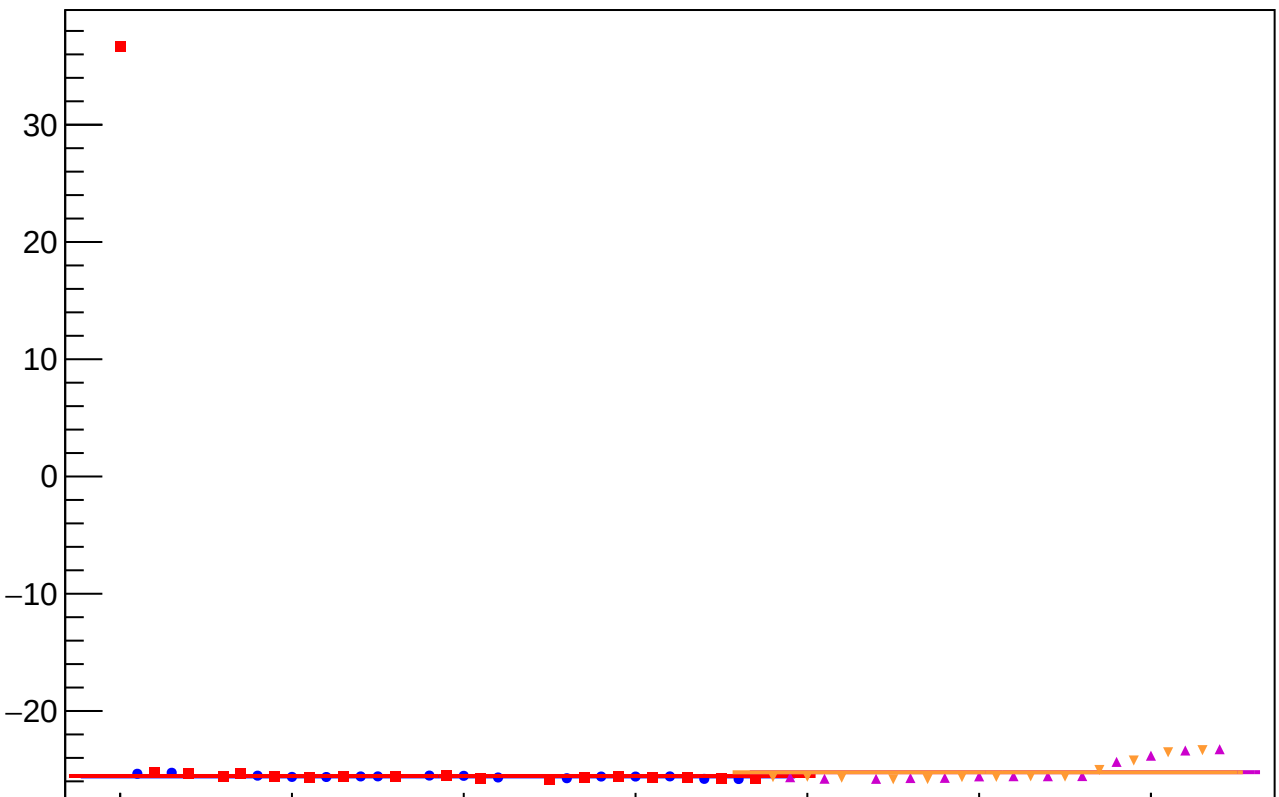
Left In: 0.079+/-0.000 χ^2/NDF:334112.9/12

+ sign 0.081+/-0.000 χ^2/NDF: 861852.2/29

All: 0.082+/-0.000 χ^2/NDF: 1961955.4/61

- sign 0.082+/-0.000 χ^2/NDF: 1096369.3/31

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.227+/-0.000 χ^2/NDF:3362605290.0/12

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

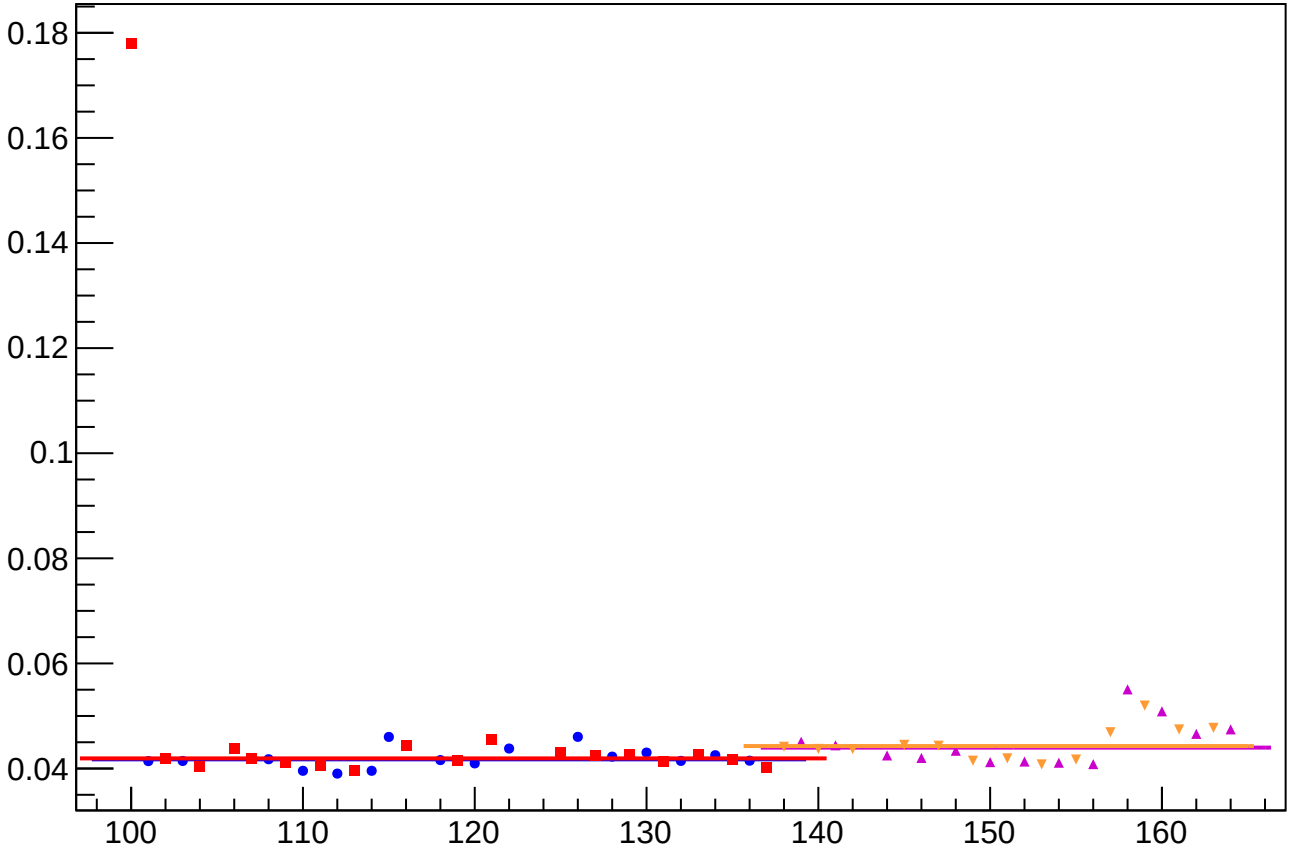
Left In: -25.218+/-0.000 χ^2/NDF:3897508943.9/12

+ sign -25.383+/-0.000 χ^2/NDF: 3744725303.8/28

All: -25.370+/-0.000 χ^2/NDF: 16803519834.9

- 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: 0.044+/-0.000 χ^2/NDF:88139.0/12

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

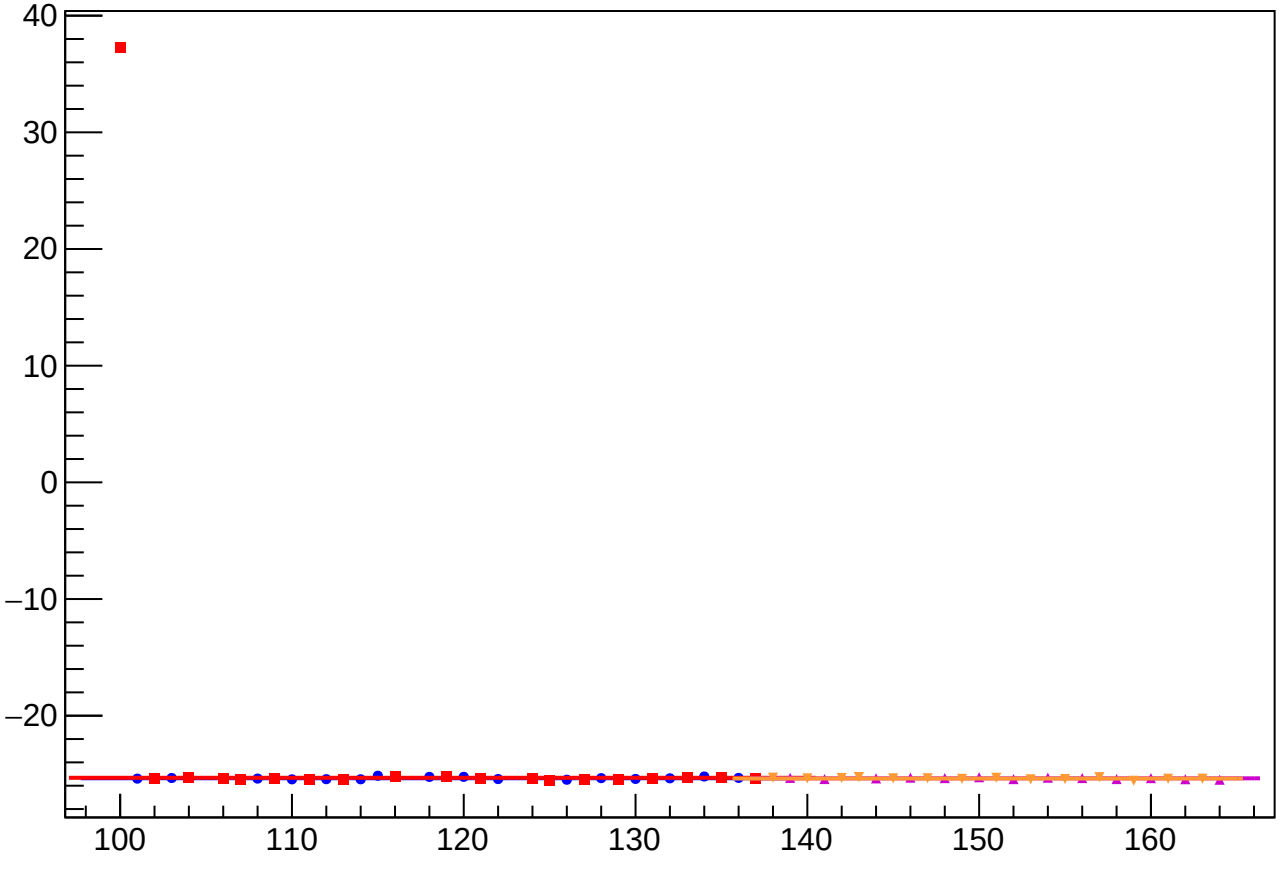
Left In: 0.044+/-0.000 χ^2/NDF:150518.7/12

+ sign 0.043+/-0.000 χ^2/NDF: 138098.8/28

All: 0.043+/-0.000 χ^2/NDF: 408624.8/59

- 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: -25.382+/-0.000 χ^2/NDF:22309490.4/13

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

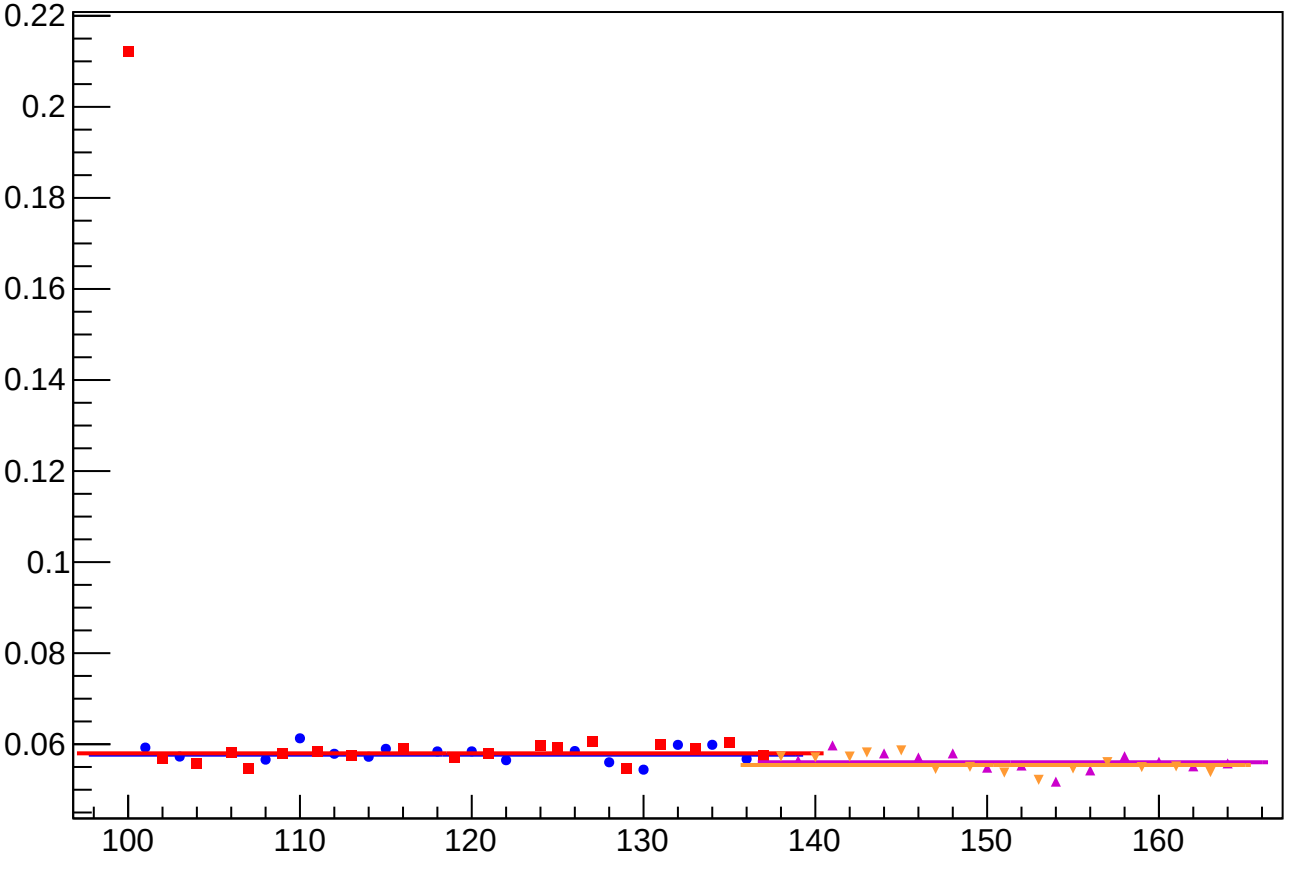
Left In: -25.368+/-0.000 χ^2/NDF:12532538.4/12

\+ sign -25.374+/-0.000 χ^2/NDF: 36206680.1/29

All: -25.362+/-0.000 χ^2/NDF: 6367955537.4/

\- 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:22434.9/13

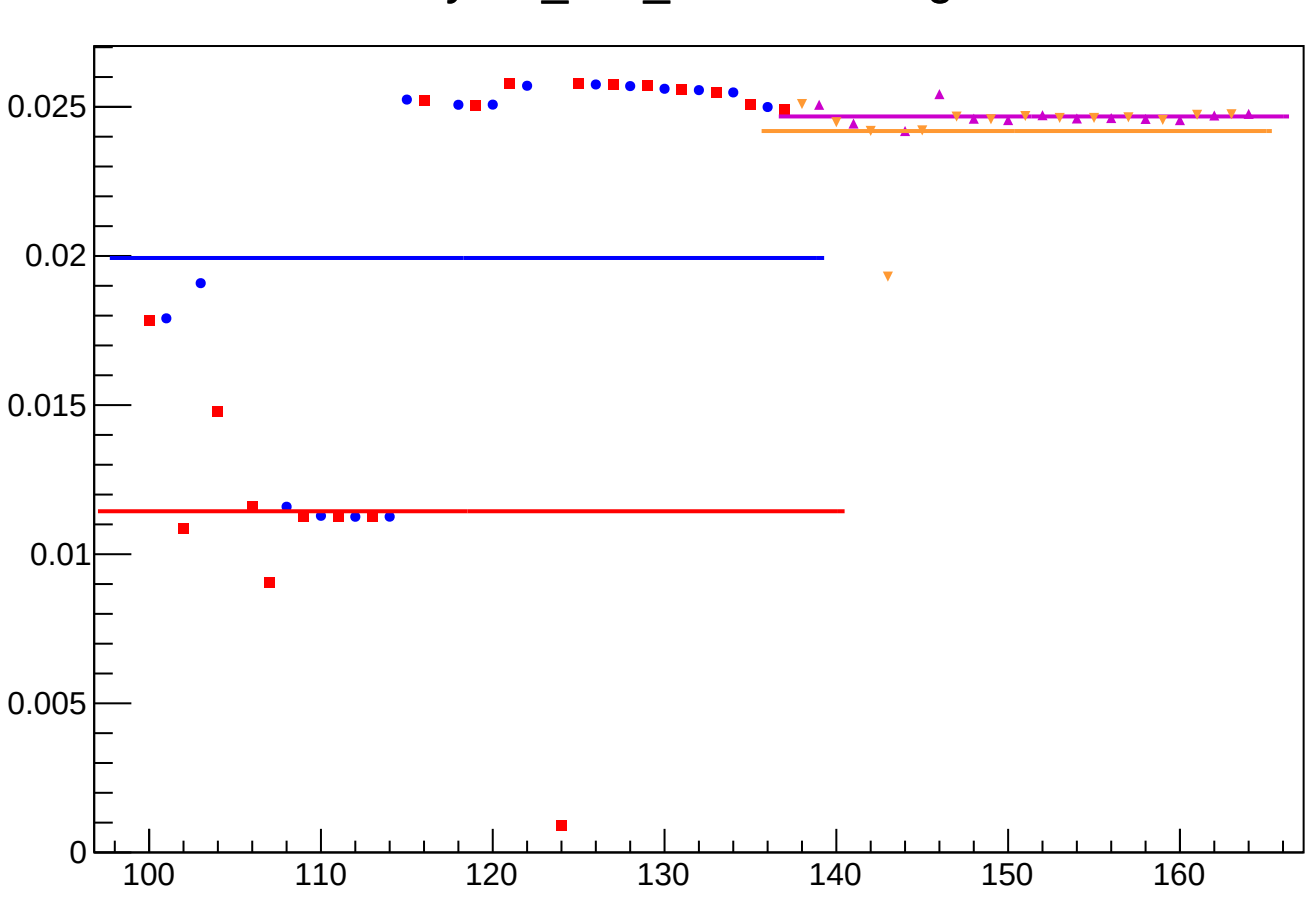
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26667.1/12

+ sign 0.056+/-0.000 χ^2/NDF: 47673.3/29

All: 0.057+/-0.000 χ^2/NDF: 174609.4/61

- 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:4722971639.8/13

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

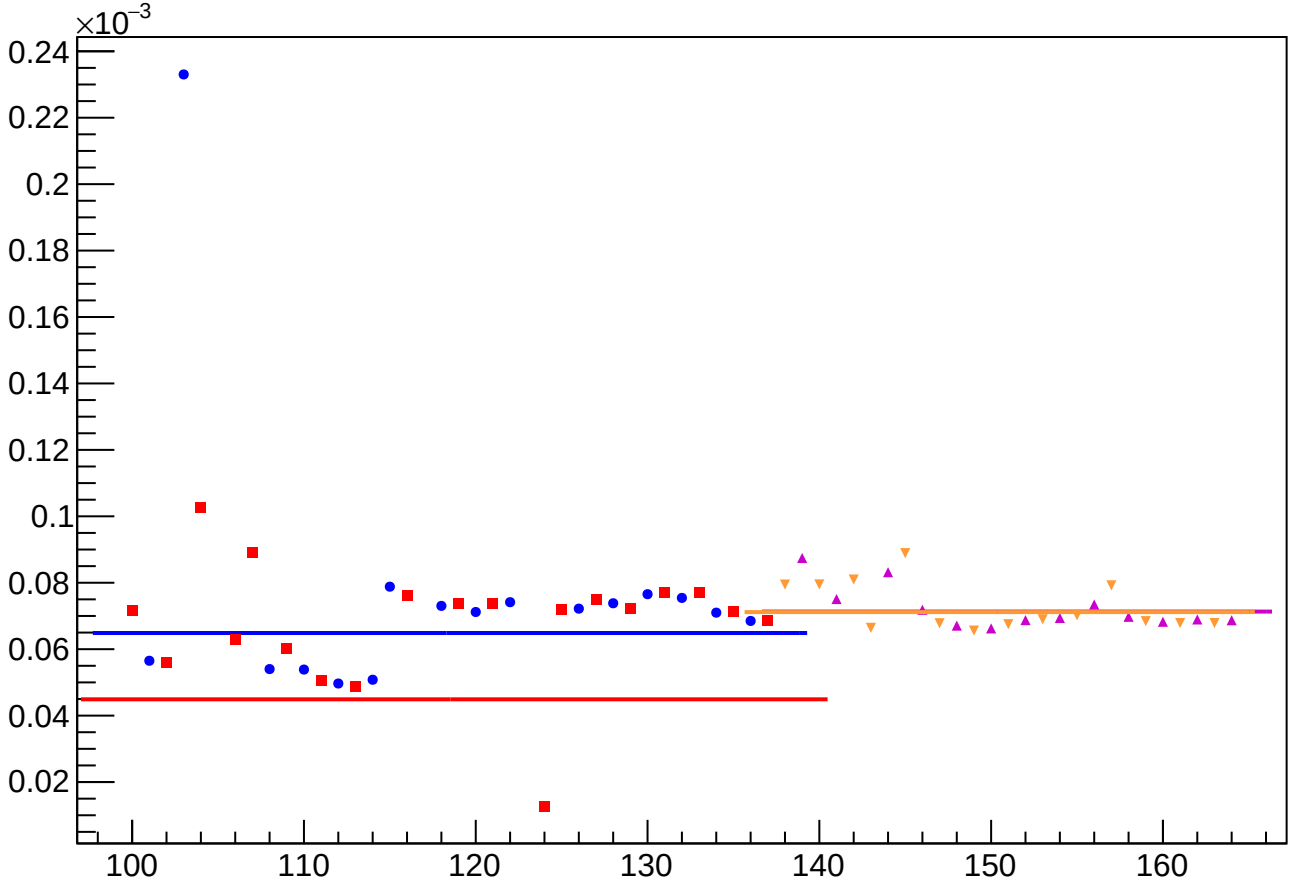
Left In: 0.025+/-0.000 χ^2/NDF:159928467.3/12

+ sign 0.022+/-0.000 χ^2/NDF: 83525115455.7/29

All: 0.020+/-0.000 χ^2/NDF: 588484184445.5

- 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:165518.6/13

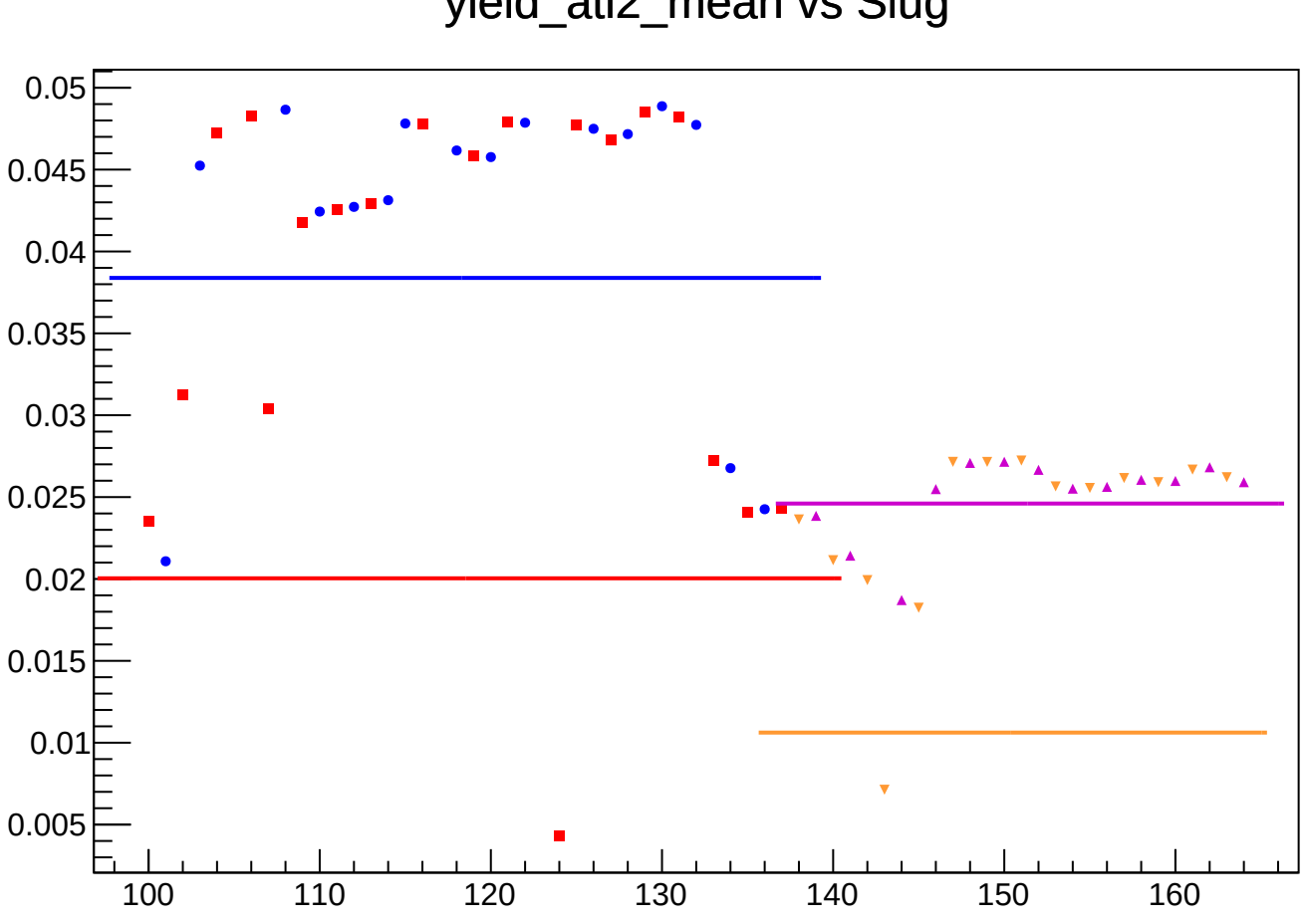
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124454.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 1053743.1/29

All: 0.000+/-0.000 χ^2/NDF: 7100725.0/61

- 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:27404677876.1/13

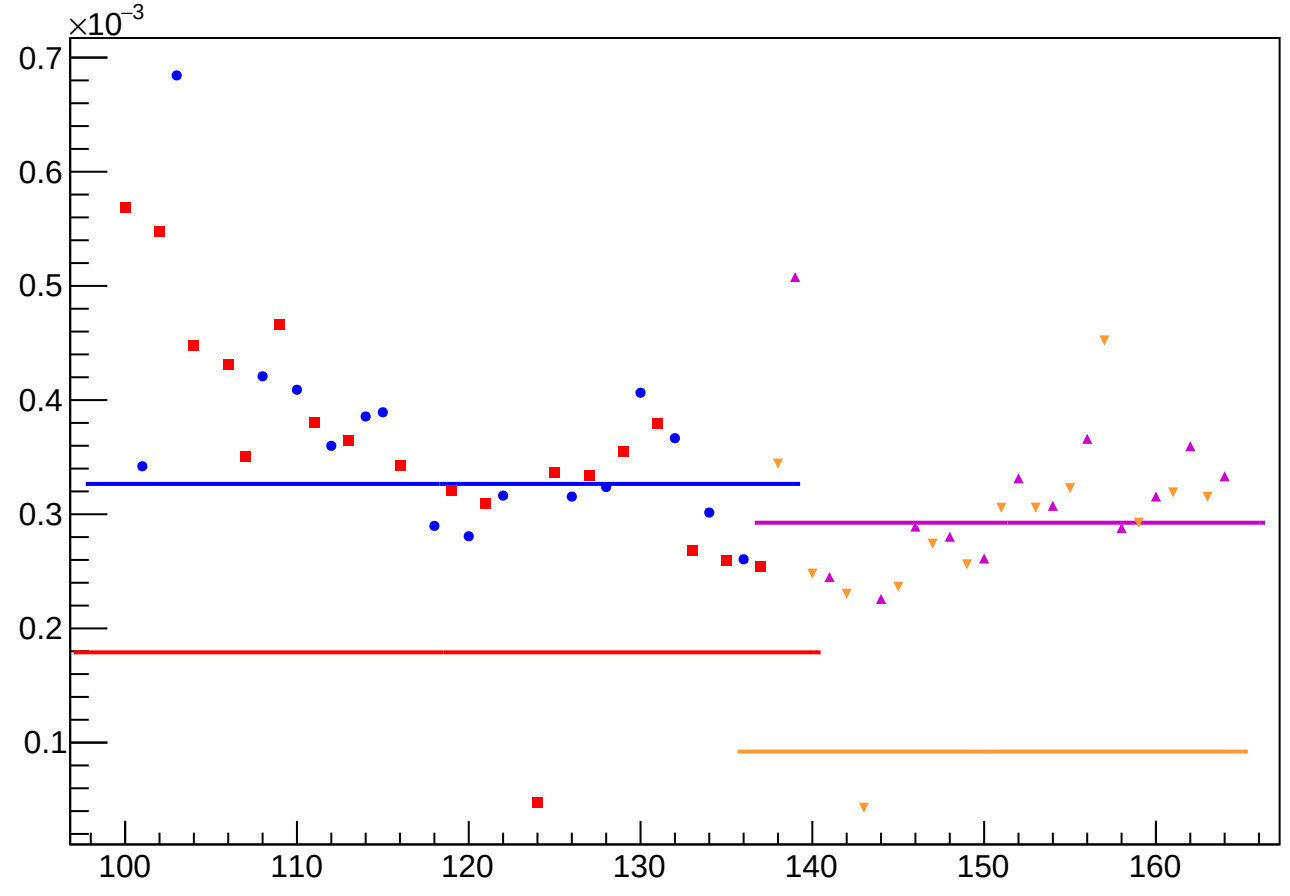
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:944901021.6/12

+ sign 0.013+/-0.000 χ^2/NDF: 75656730201.4/29

All: 0.016+/-0.000 χ^2/NDF: 133391261204.3

- sign 0.022+/-0.000 χ^2/NDF: 44352136513.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10895298.7/13

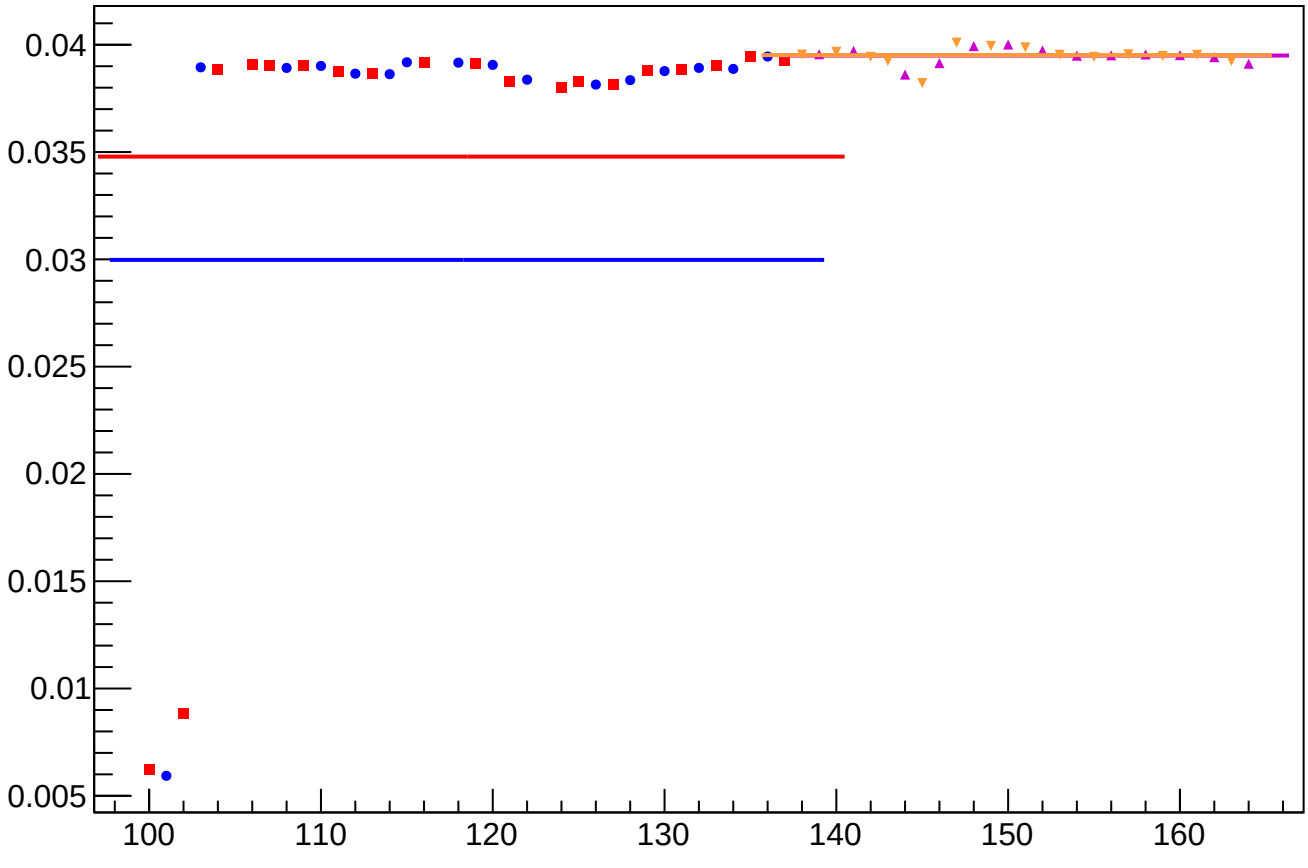
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:674013.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 17348797.7/29

All: 0.000+/-0.000 χ^2/NDF: 29946261.2/61

- sign 0.000+/-0.000 χ^2/NDF: 7846294.4/31



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:97492953.3/13

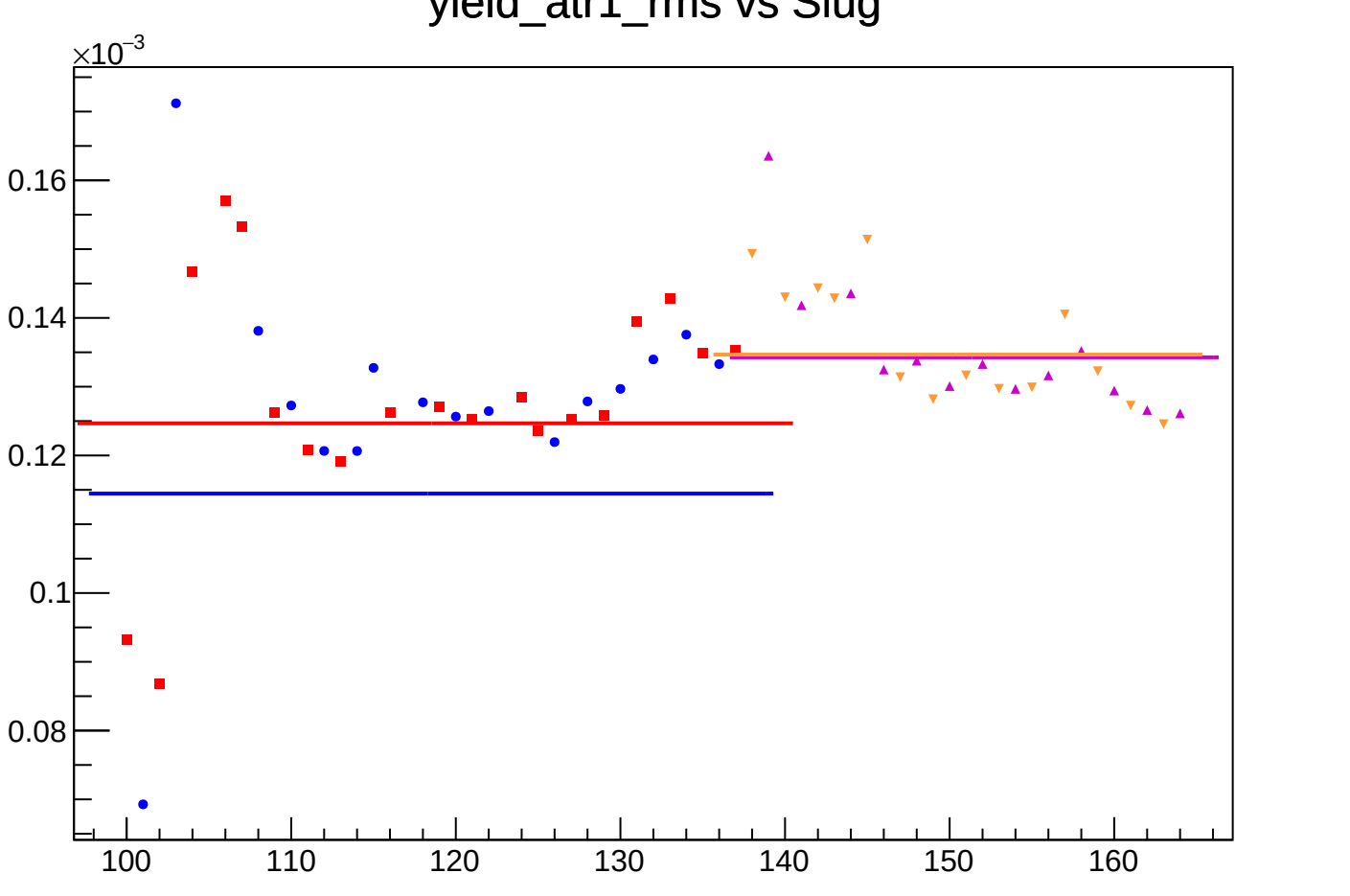
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:72237429.1/12

+ sign 0.035+/-0.000 χ^2/NDF: 133356054036.6/29

All: 0.036+/-0.000 χ^2/NDF: 189243155406.2

- 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:78239.2/13

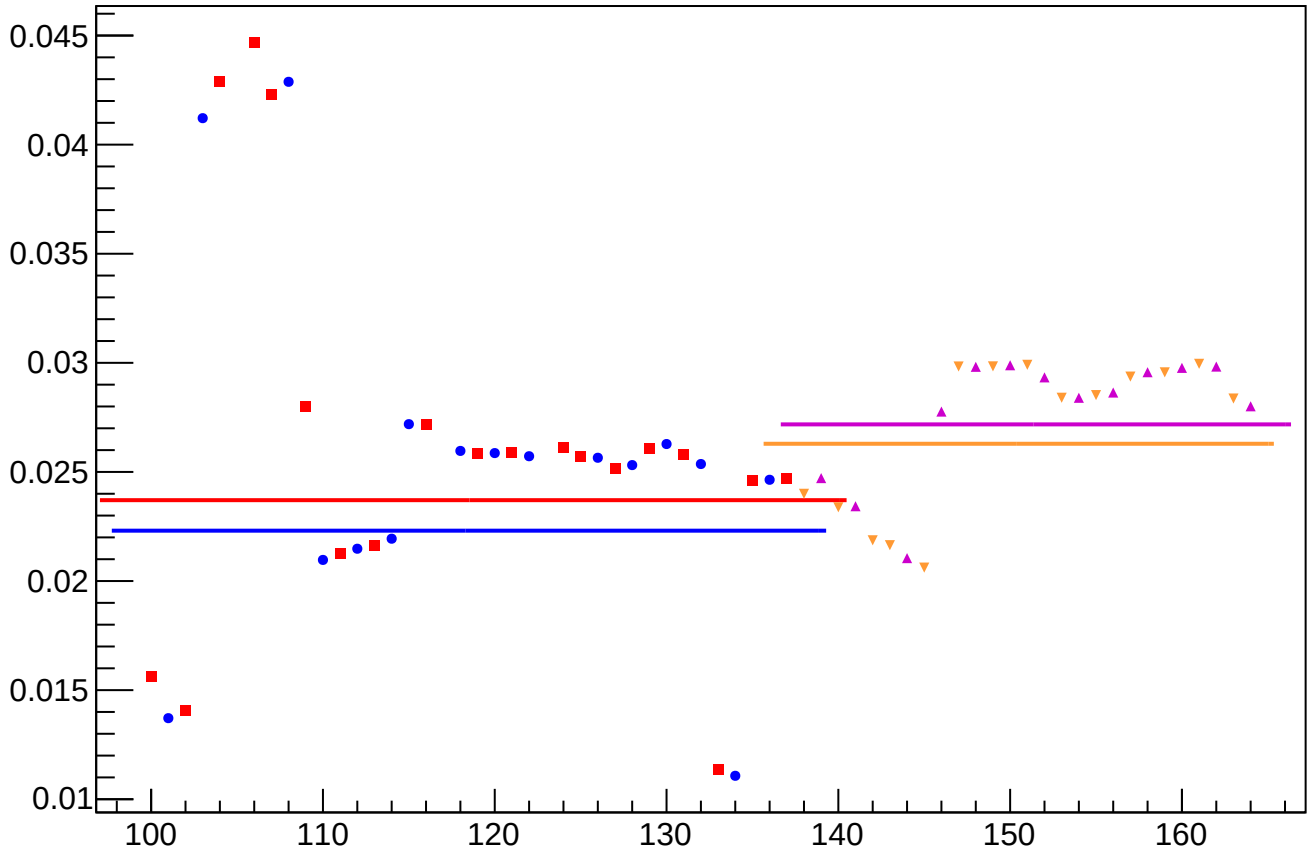
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:83230.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 1155467.2/29

All: 0.000+/-0.000 χ^2/NDF: 1569976.9/61

- sign 0.000+/-0.000 χ^2/NDF: 390394.7/31



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1772968190.7/13

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

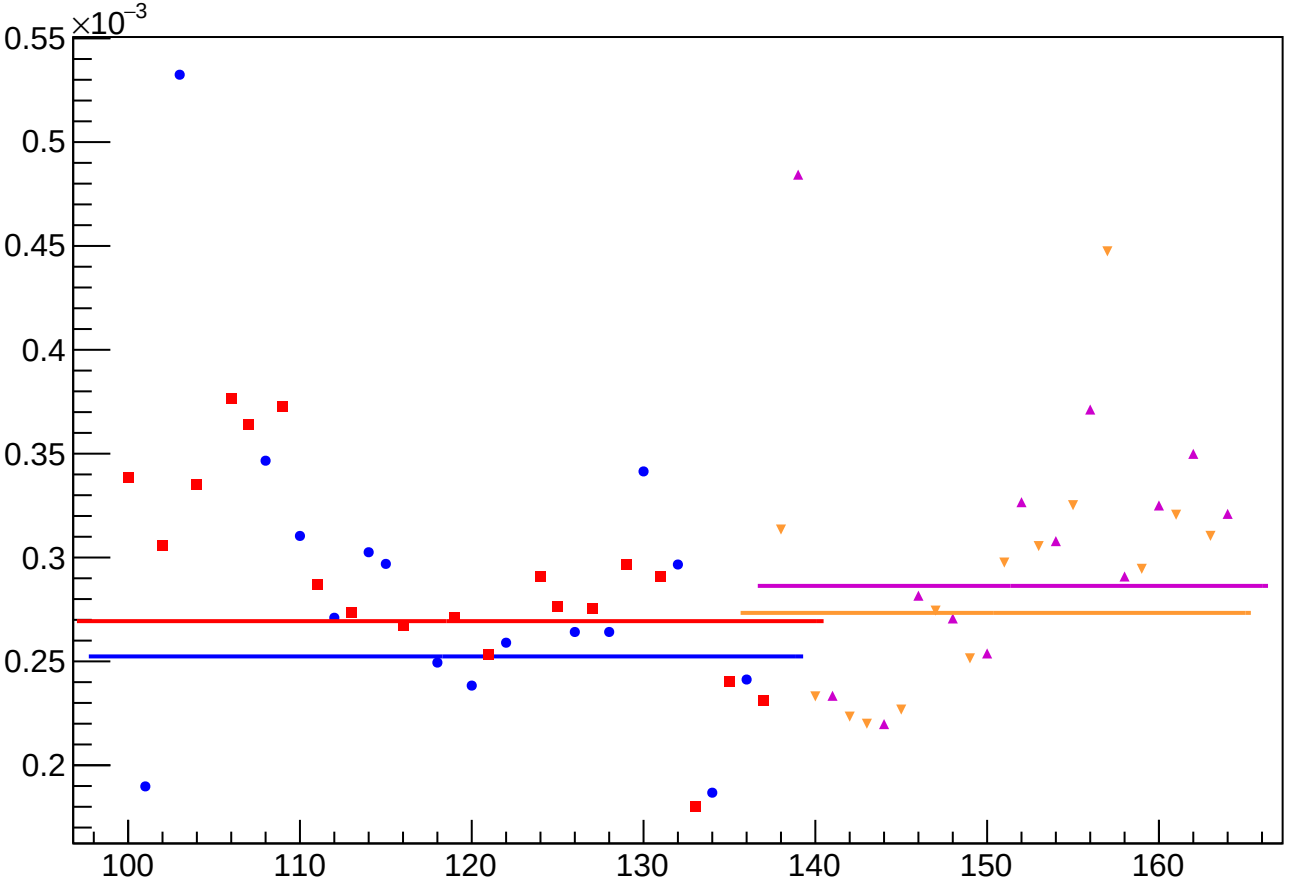
Left In: 0.027+/-0.000 χ^2/NDF:1241563777.5/12

+ sign 0.025+/-0.000 χ^2/NDF: 7671433967.3/29

All: 0.025+/-0.000 χ^2/NDF: 15243059772.6/6

- 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:579977.0/13

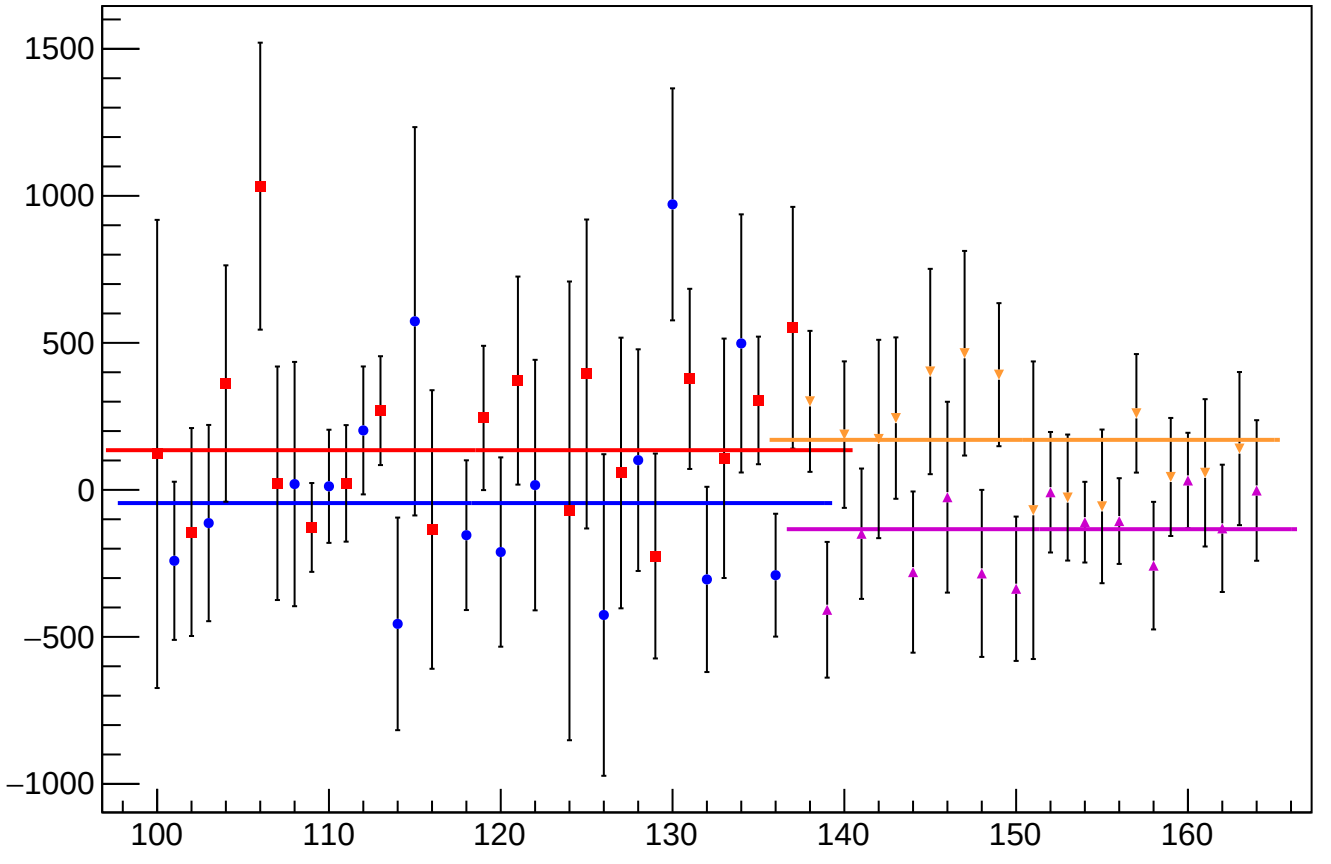
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726822.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 1336921.2/29

All: 0.000+/-0.000 χ^2/NDF: 2586612.7/61

- 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: 170.117+/-69.116 χ^2/NDF:5.0/13

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

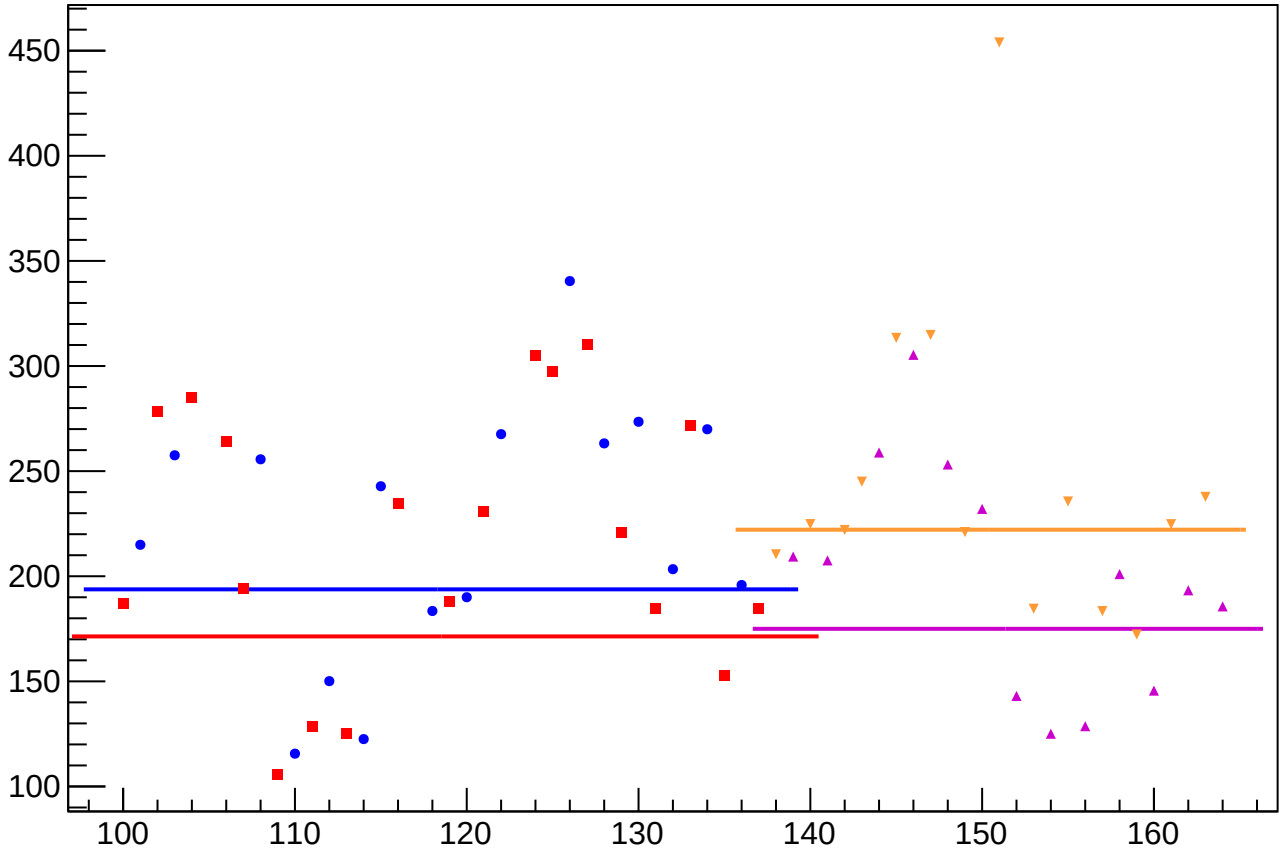
Left In: -133.698+/-56.524 χ^2/NDF:4.9/12

+ sign 73.056+/-51.193 χ^2/NDF: 24.8/29

All: 16.663+/-33.142 χ^2/NDF: 54.0/61

- 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: 222.148+/-0.049 χ^2/NDF:988045.2/13

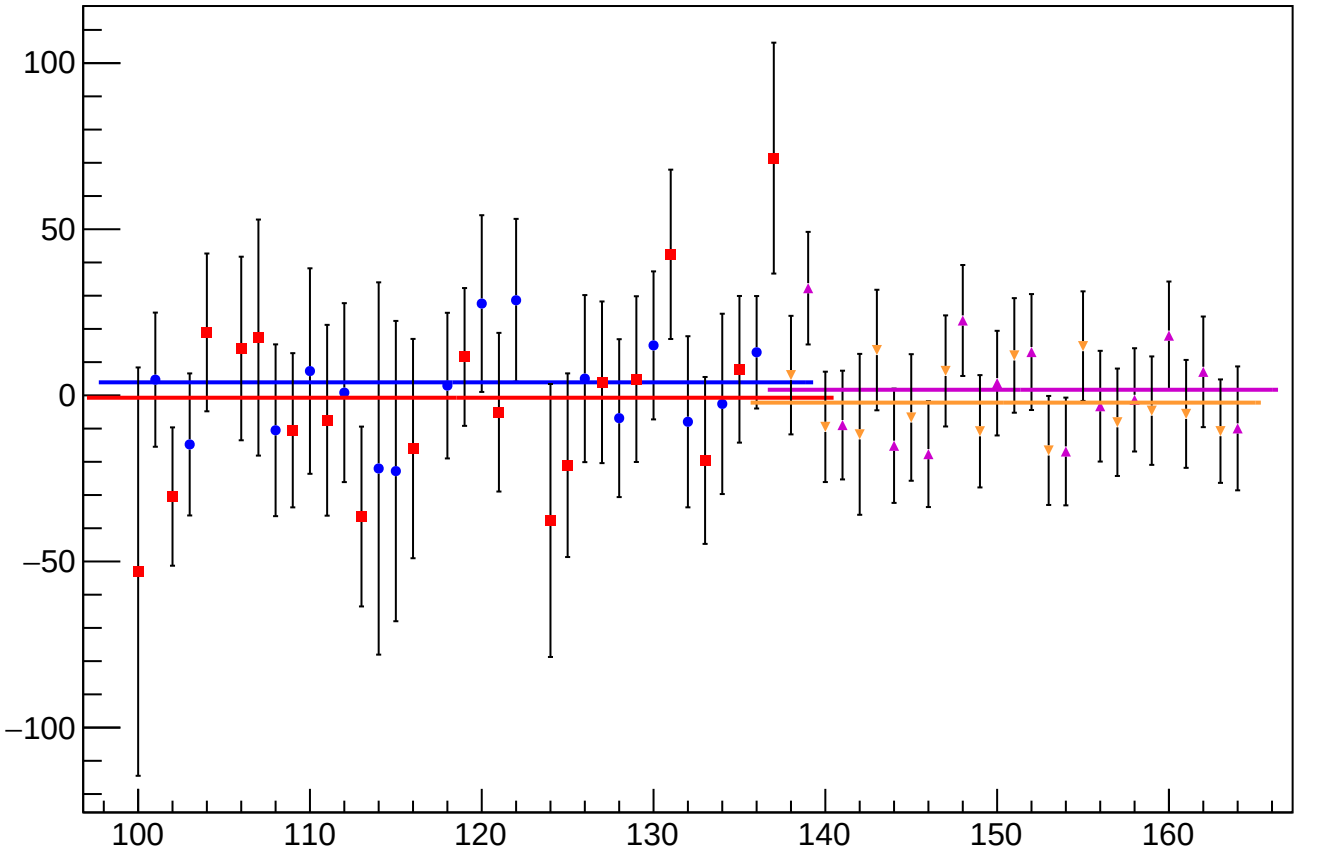
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

+ sign 209.338+/-0.036 χ^2/NDF: 2188356.0/29

All: 188.530+/-0.023 χ^2/NDF: 5902948.7/61

- 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: -2.189+/-4.584 χ^2/NDF:5.0/13

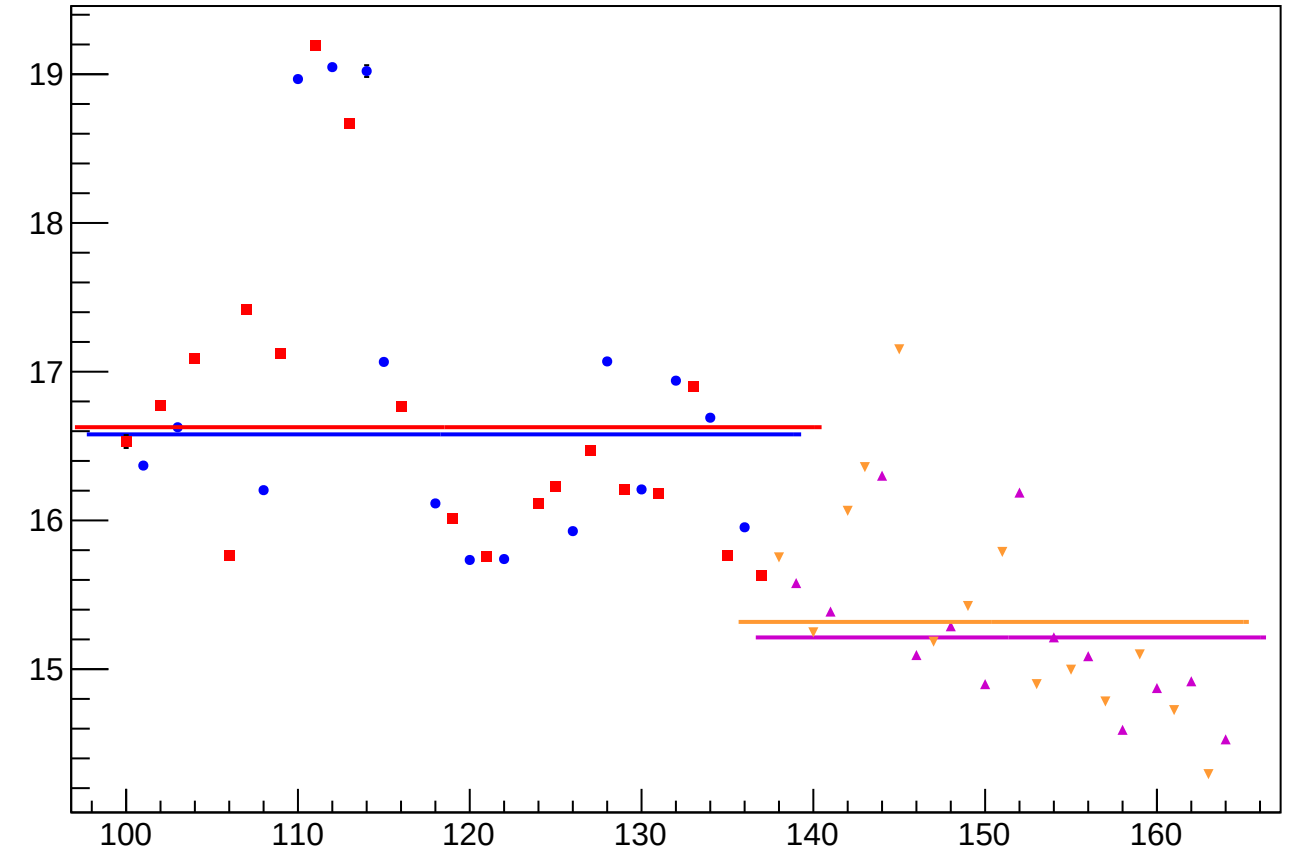
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 1.686+/-4.602 χ^2/NDF:11.0/12

\+ sign -0.016+/-3.680 χ^2/NDF: 10.1/29

All: 0.399+/-2.598 χ^2/NDF: 37.2/61

\- 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: 15.318+/-0.003 χ^2/NDF:45828.0/13

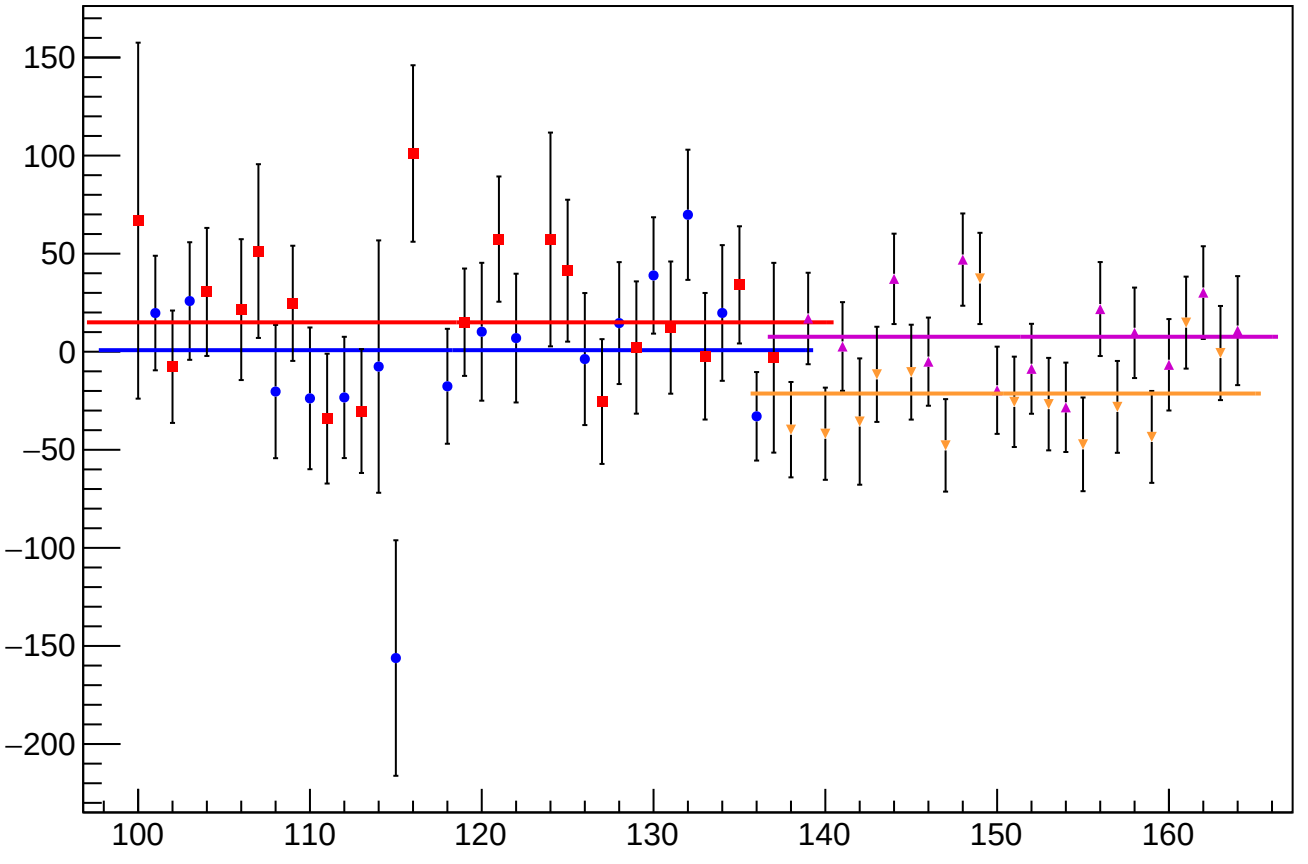
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.213+/-0.003 χ^2/NDF:23827.4/12

\+ sign 15.766+/-0.003 χ^2/NDF: 144203.7/29

All: 15.747+/-0.002 χ^2/NDF: 280383.4/61

\- 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: -21.318+/-6.434 χ^2/NDF:14.9/13

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

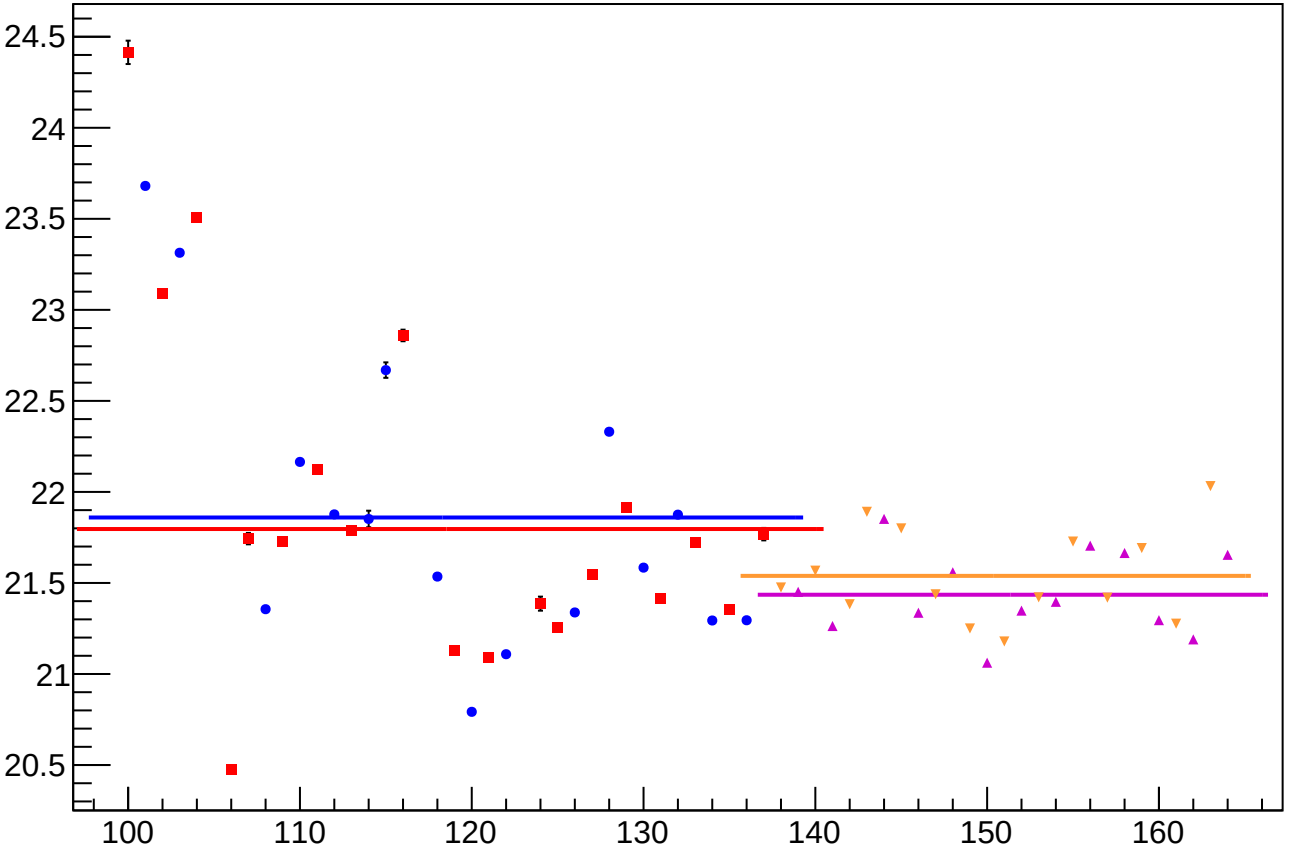
Left In: 7.627+/-6.473 χ^2/NDF:11.1/12

+ sign -12.798+/-5.044 χ^2/NDF: 38.1/29

All: -1.066+/-3.558 χ^2/NDF: 75.9/61

- 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+/-0.005 χ^2/NDF:2957.9/13

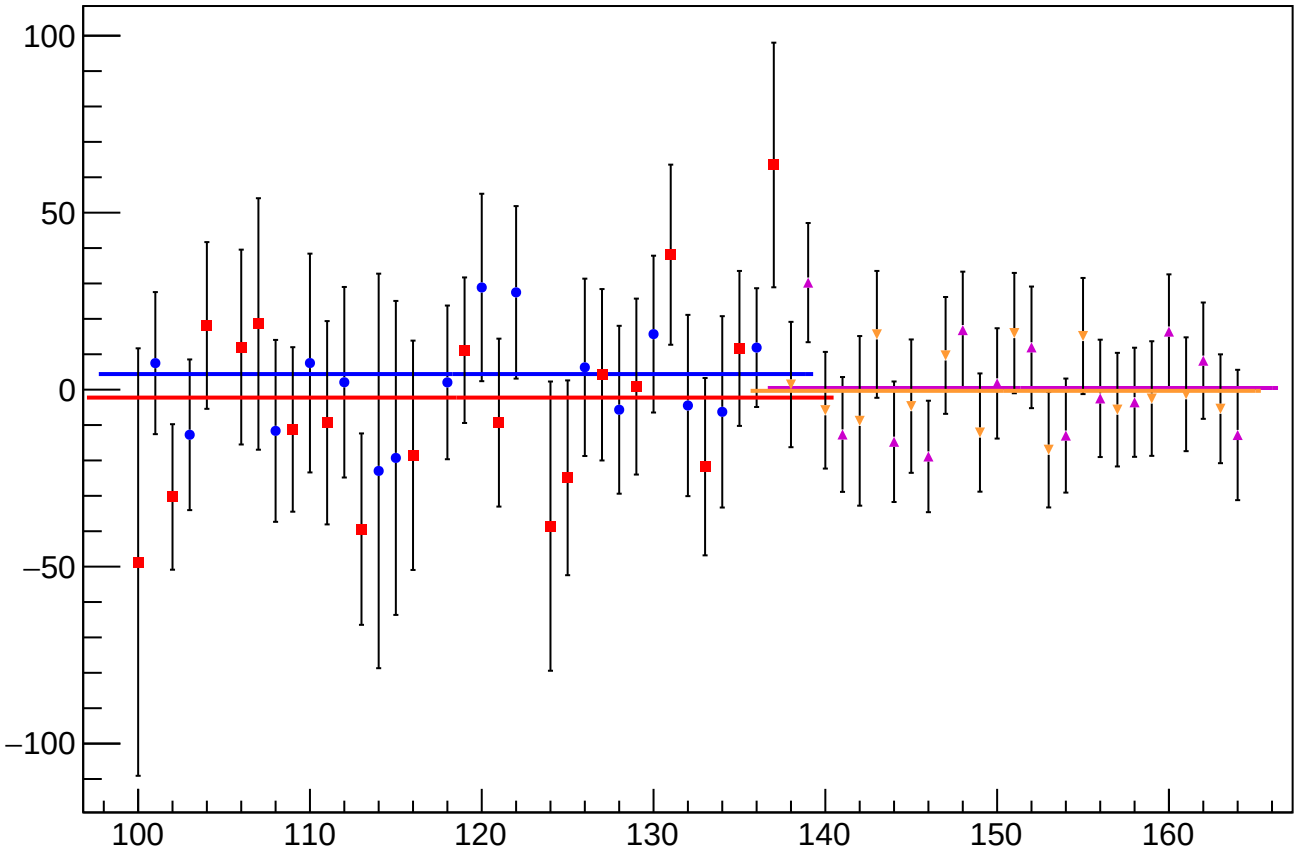
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.435+/-0.005 χ^2/NDF:2325.4/12

\+ sign 21.662+/-0.004 χ^2/NDF: 24340.5/29

All: 21.621+/-0.003 χ^2/NDF: 48279.4/61

\- 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: -0.335+/-4.539 χ^2/NDF:5.1/13

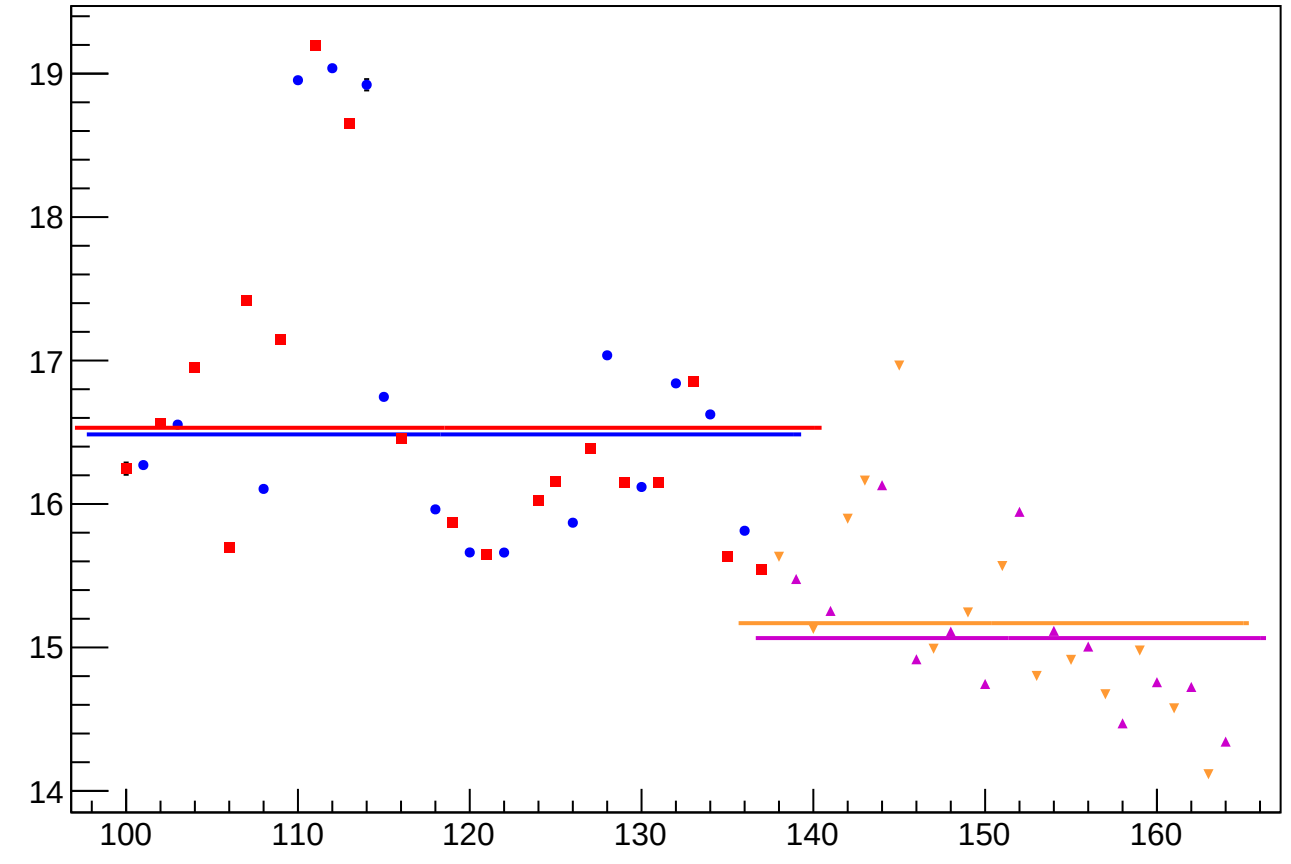
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.469+/-4.557 χ^2/NDF:10.0/12

+ sign 1.341+/-3.650 χ^2/NDF: 9.7/29

All: 0.410+/-2.577 χ^2/NDF: 35.4/61

- 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: 15.169+/-0.003 χ^2/NDF:44705.7/13

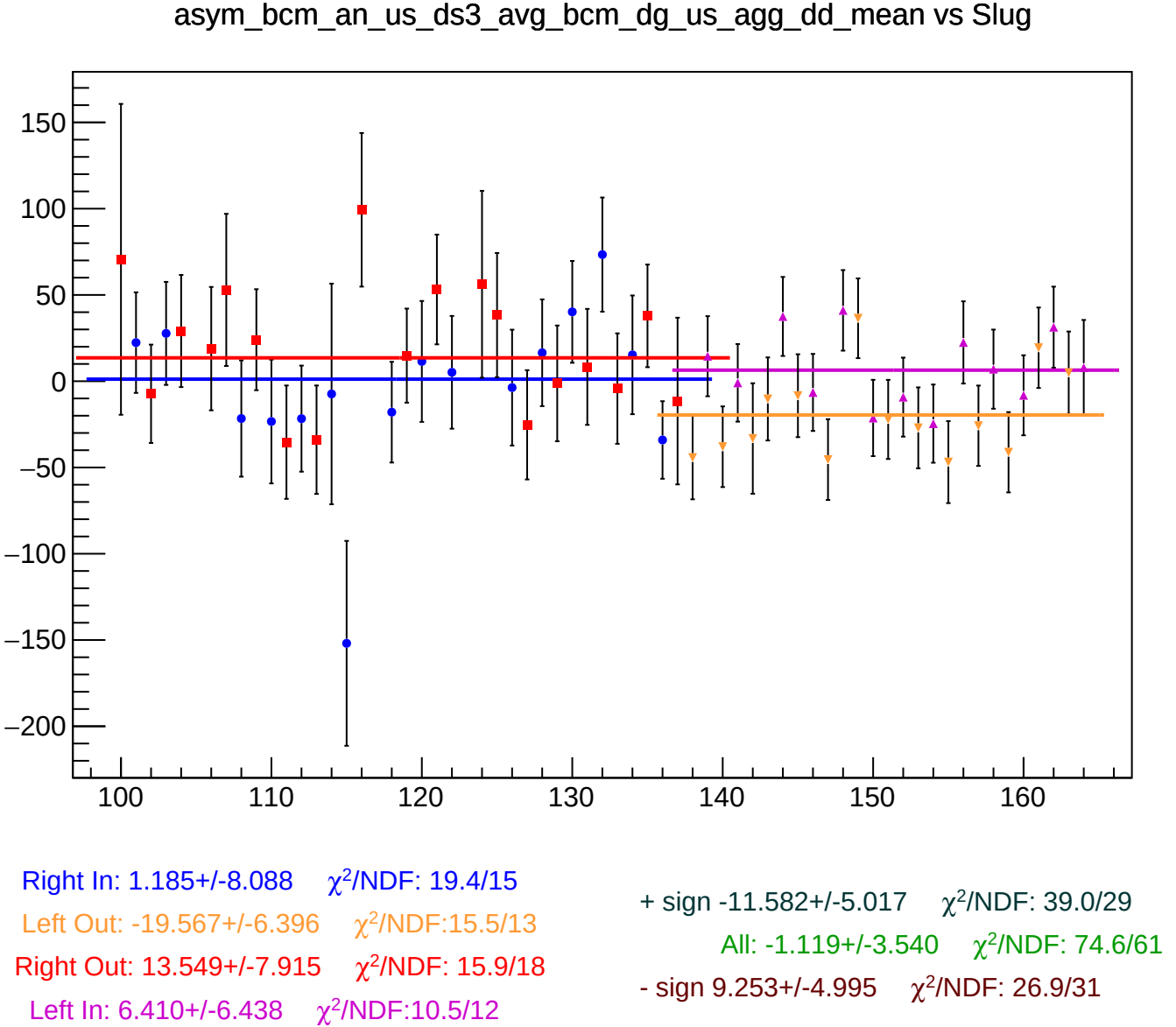
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

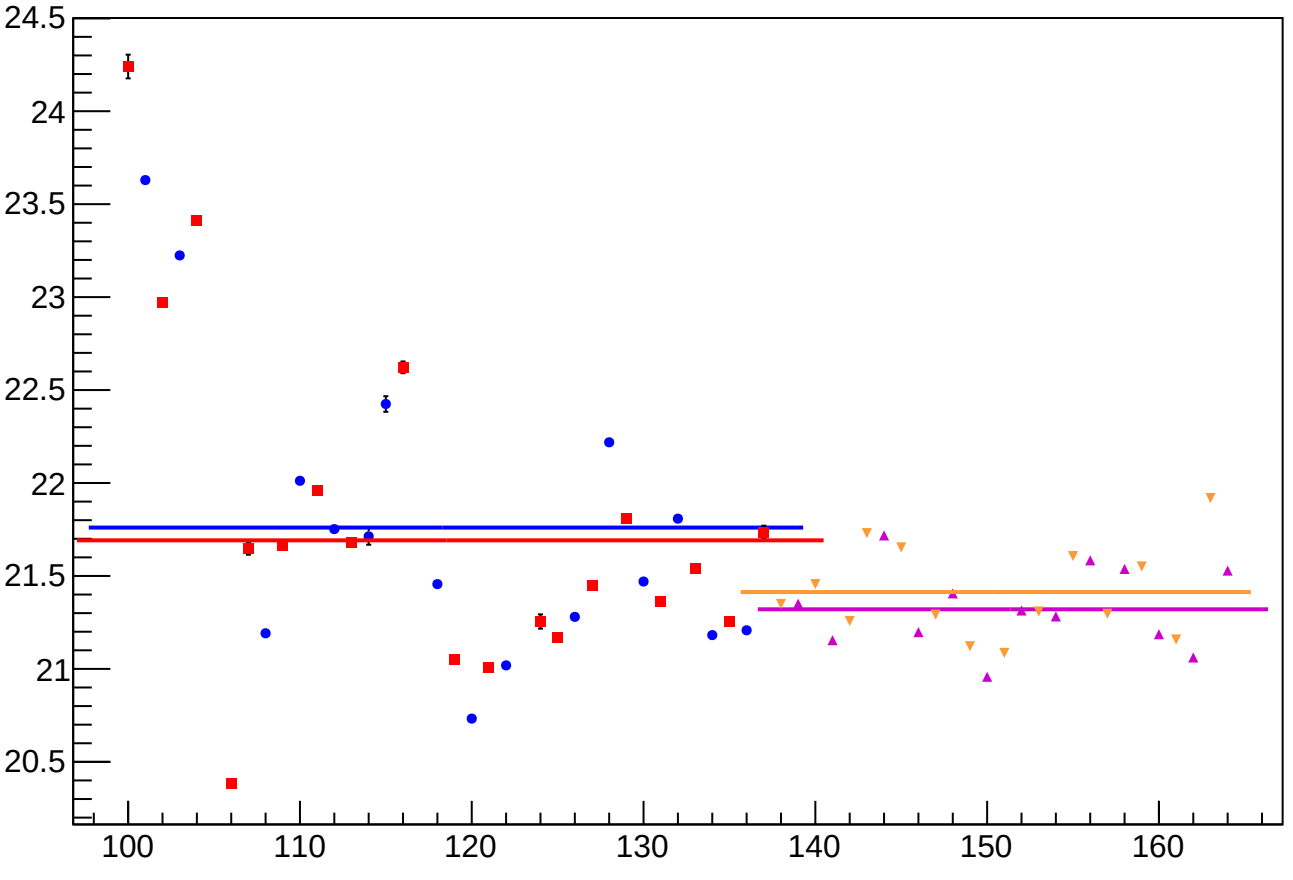
Left In: 15.065+/-0.003 χ^2/NDF:23262.2/12

+ sign 15.635+/-0.003 χ^2/NDF: 151317.2/29

All: 15.616+/-0.002 χ^2/NDF: 296207.5/61

- 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: -19.567+/-6.396 χ²/NDF:15.5/13
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 6.410+/-6.438 χ²/NDF:10.5/12
+ sign -11.582+/-5.017 χ²/NDF: 39.0/29
All: -1.119+/-3.540 χ²/NDF: 74.6/61
- sign 9.253+/-4.995 χ²/NDF: 26.9/31



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.413+/-0.005 χ^2/NDF:2822.6/13

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

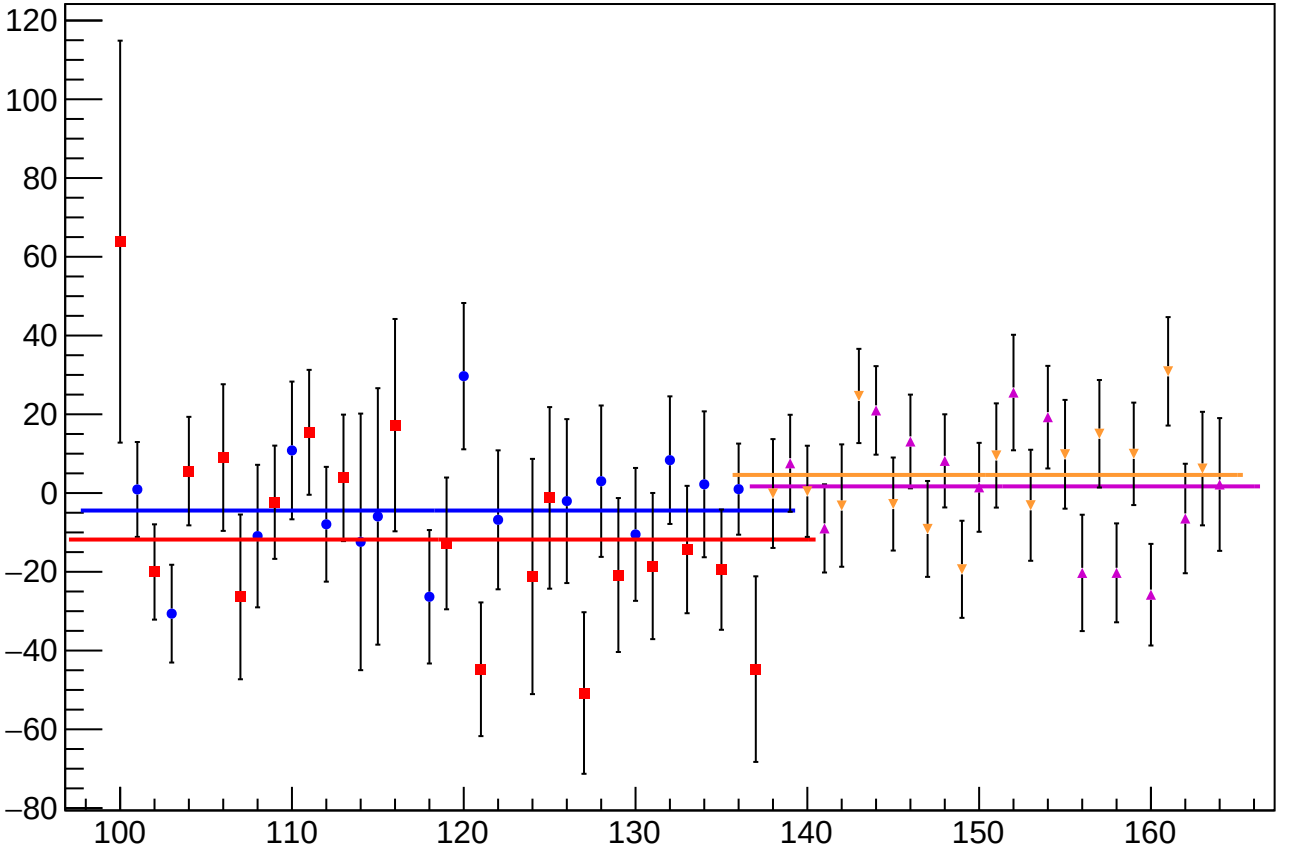
Left In: 21.321+/-0.005 χ^2/NDF:2193.6/12

+ sign 21.547+/-0.004 χ^2/NDF: 24832.2/29

All: 21.507+/-0.003 χ^2/NDF: 48246.2/61

- 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: 4.603+/-3.500 χ^2/NDF:13.7/13

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

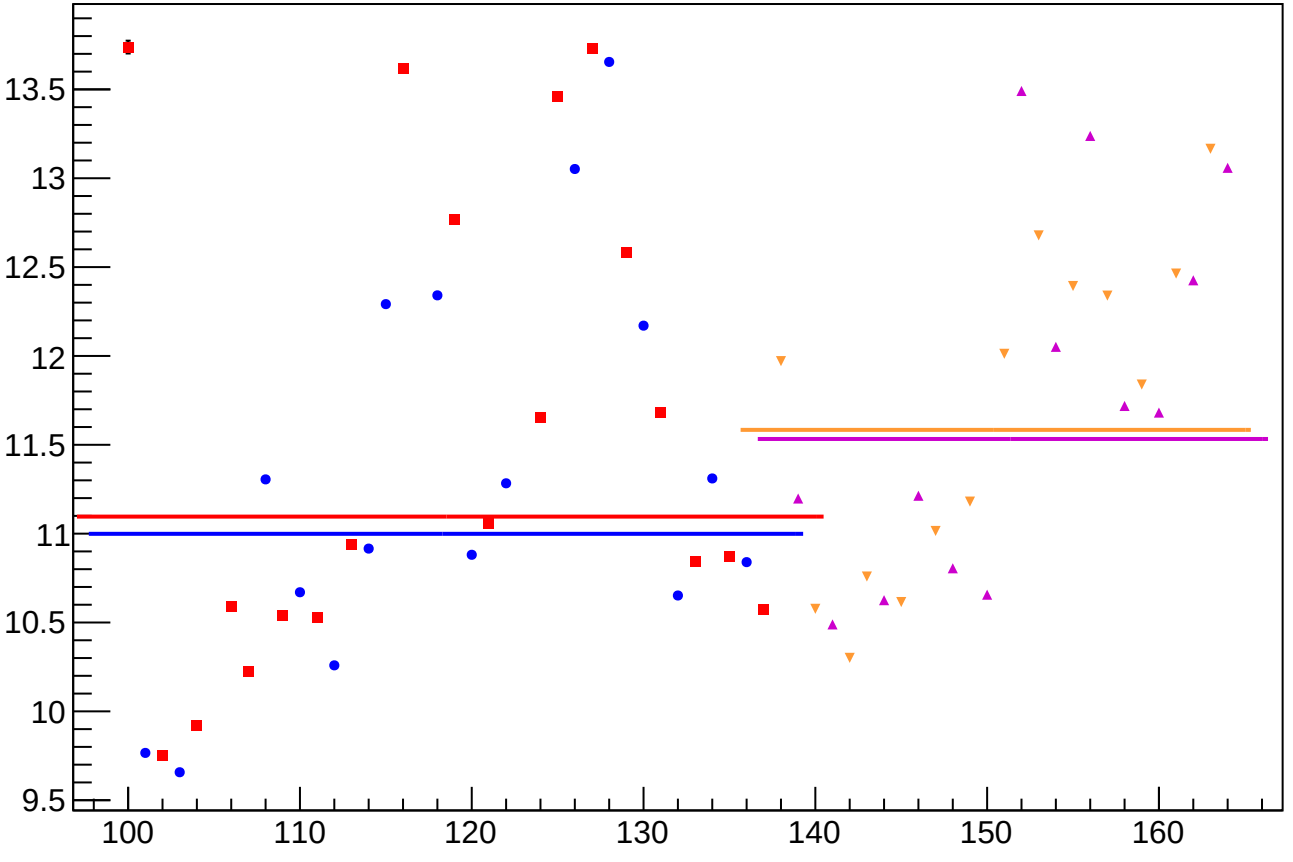
Left In: 1.694+/-3.521 χ^2/NDF:19.9/12

+ sign 0.824+/-2.670 χ^2/NDF: 28.5/29

All: -1.608+/-1.888 χ^2/NDF: 78.1/61

- 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: 11.584+/-0.002 χ^2/NDF:119950.7/13

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

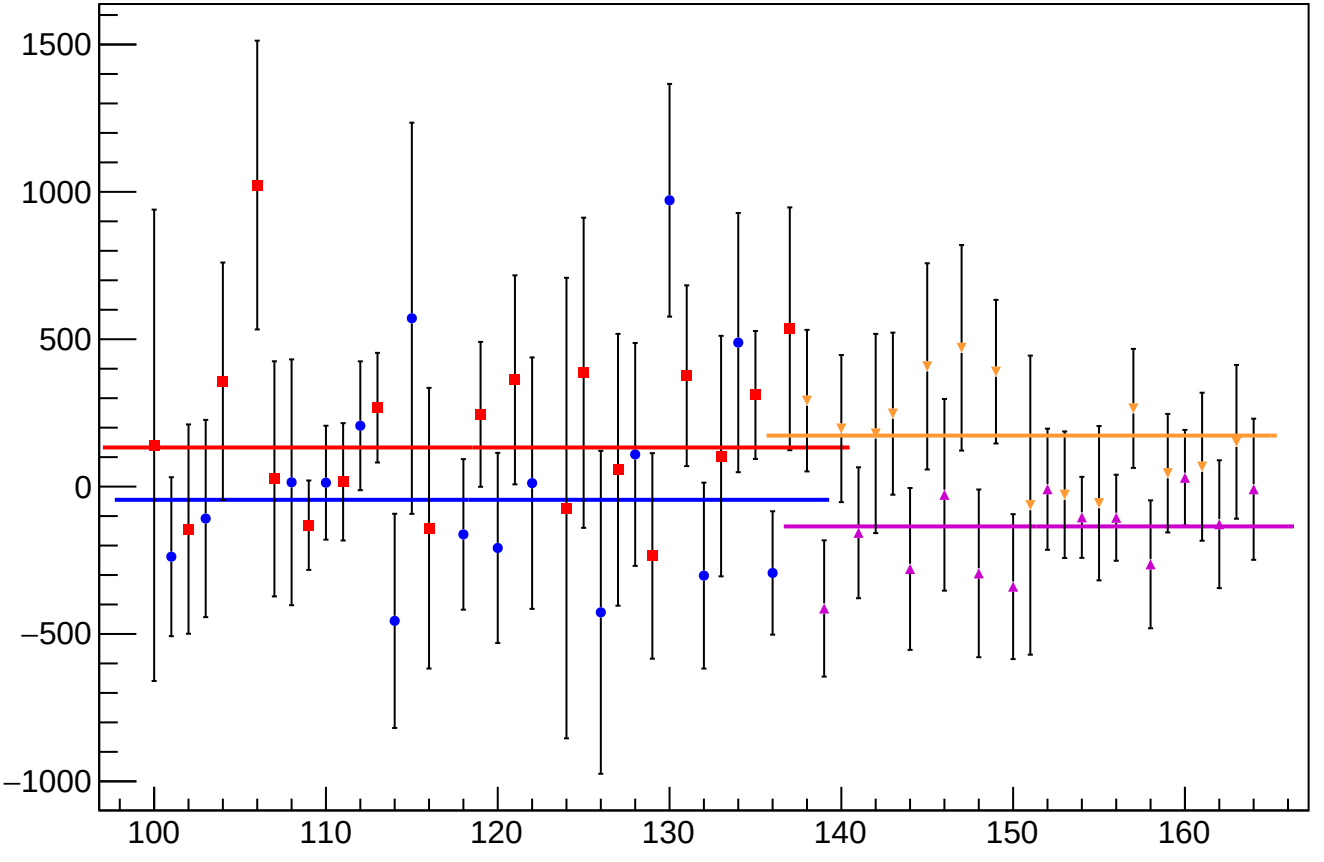
Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

+ sign 11.340+/-0.002 χ^2/NDF: 279461.2/29

All: 11.343+/-0.001 χ^2/NDF: 599173.2/61

- sign 11.347+/-0.002 χ^2/NDF: 319703.8/31

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

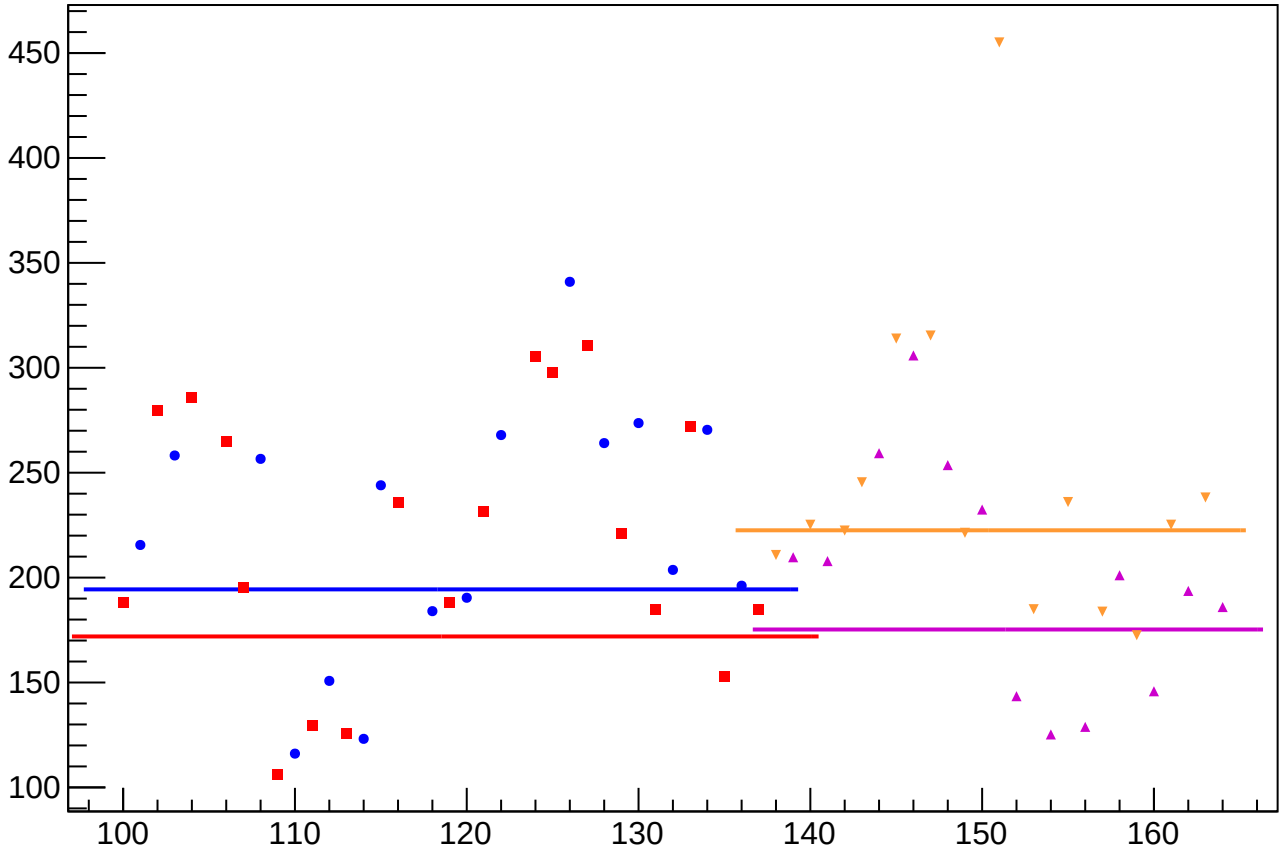
Left In: -135.082+/-56.613 χ^2/NDF:5.0/12

+ sign 74.893+/-51.312 χ^2/NDF: 24.8/29

All: 16.303+/-33.216 χ^2/NDF: 54.0/61

- 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: 222.543+/-0.049 χ^2/NDF:988792.0/13

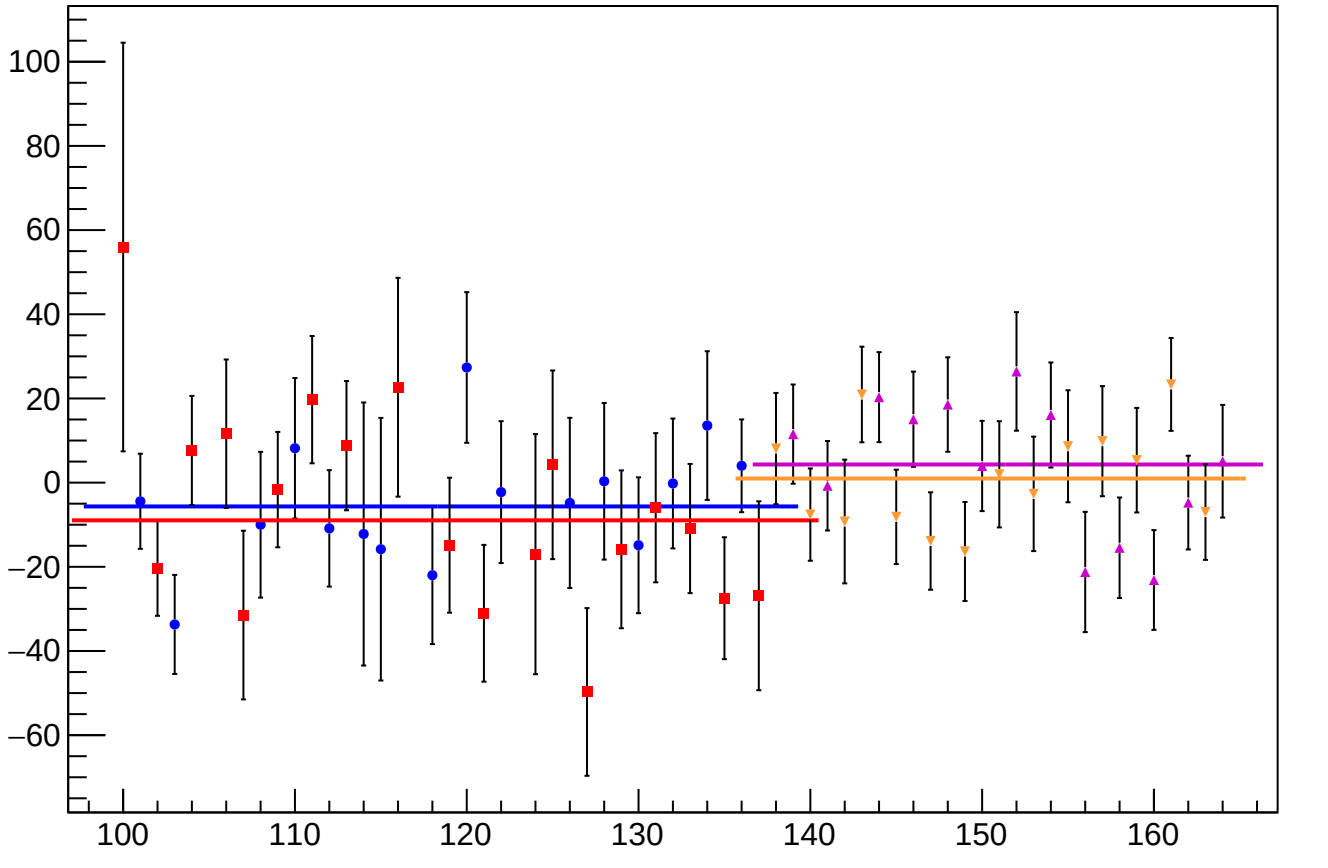
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

+ sign 209.849+/-0.036 χ^2/NDF: 2179922.1/29

All: 188.973+/-0.023 χ^2/NDF: 5888392.4/61

- 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: 0.977+/-3.249 χ^2/NDF:14.5/13

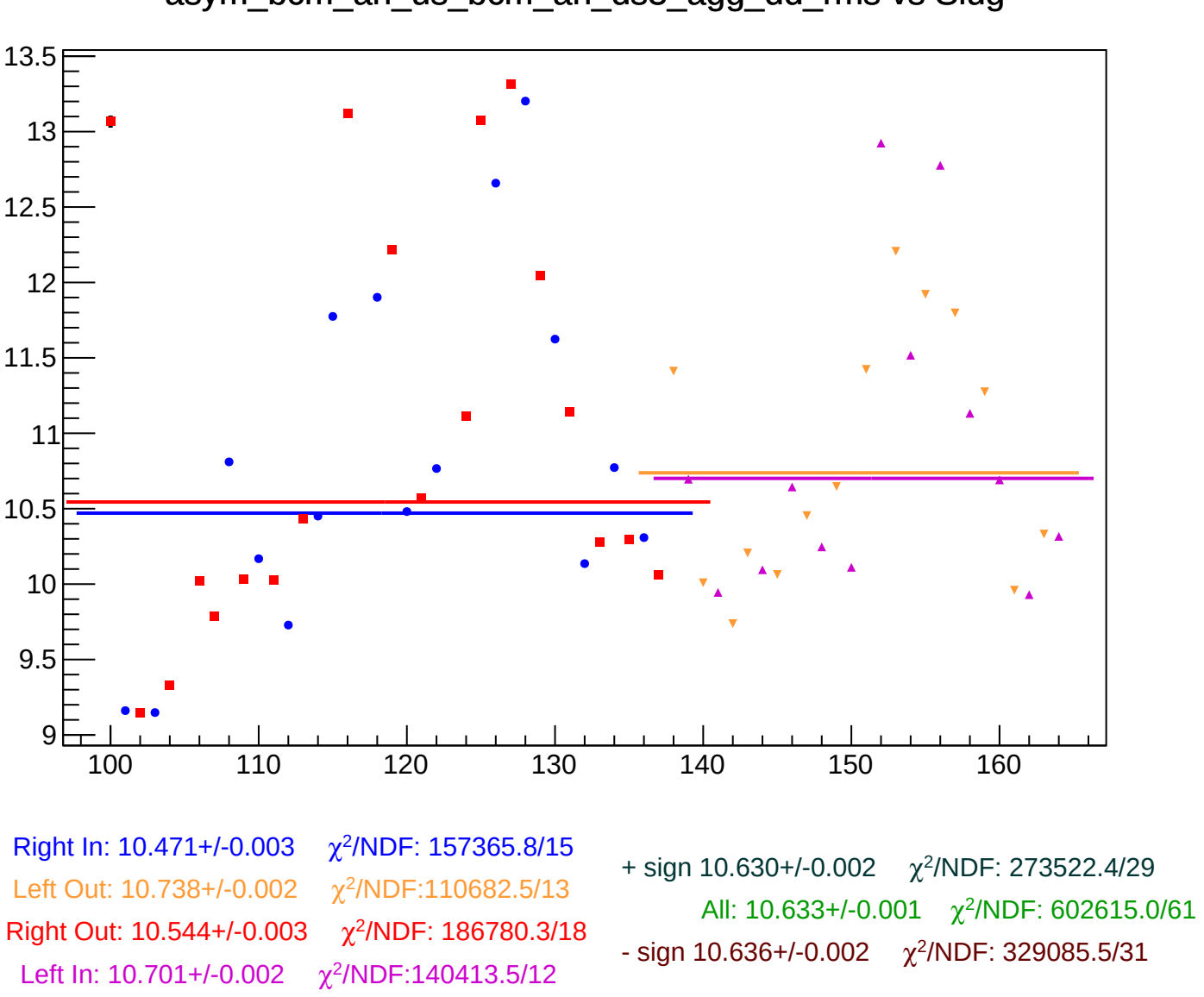
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

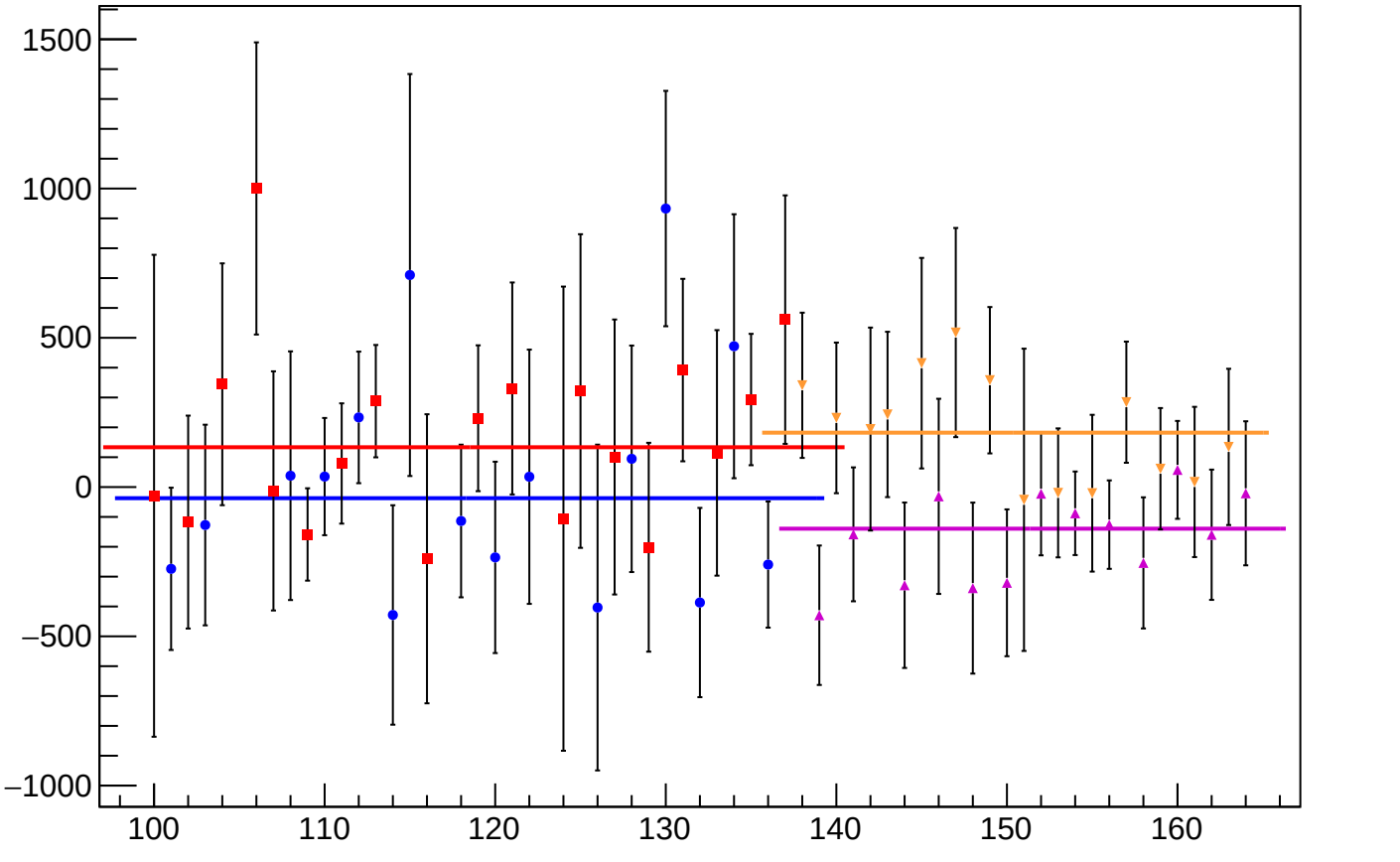
Left In: 4.312+/-3.272 χ^2/NDF:20.7/12

\+ sign -1.709+/-2.507 χ^2/NDF: 29.9/29

All: -1.439+/-1.773 χ^2/NDF: 80.2/61

\- sign -1.169+/-2.507 χ^2/NDF: 50.3/31


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.738+/-0.002 χ²/NDF:110682.5/13
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.701+/-0.002 χ²/NDF:140413.5/12
+ sign 10.630+/-0.002 χ²/NDF: 273522.4/29
All: 10.633+/-0.001 χ²/NDF: 602615.0/61
- sign 10.636+/-0.002 χ²/NDF: 329085.5/31



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 182.211+/-69.700 χ^2/NDF:5.1/13

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

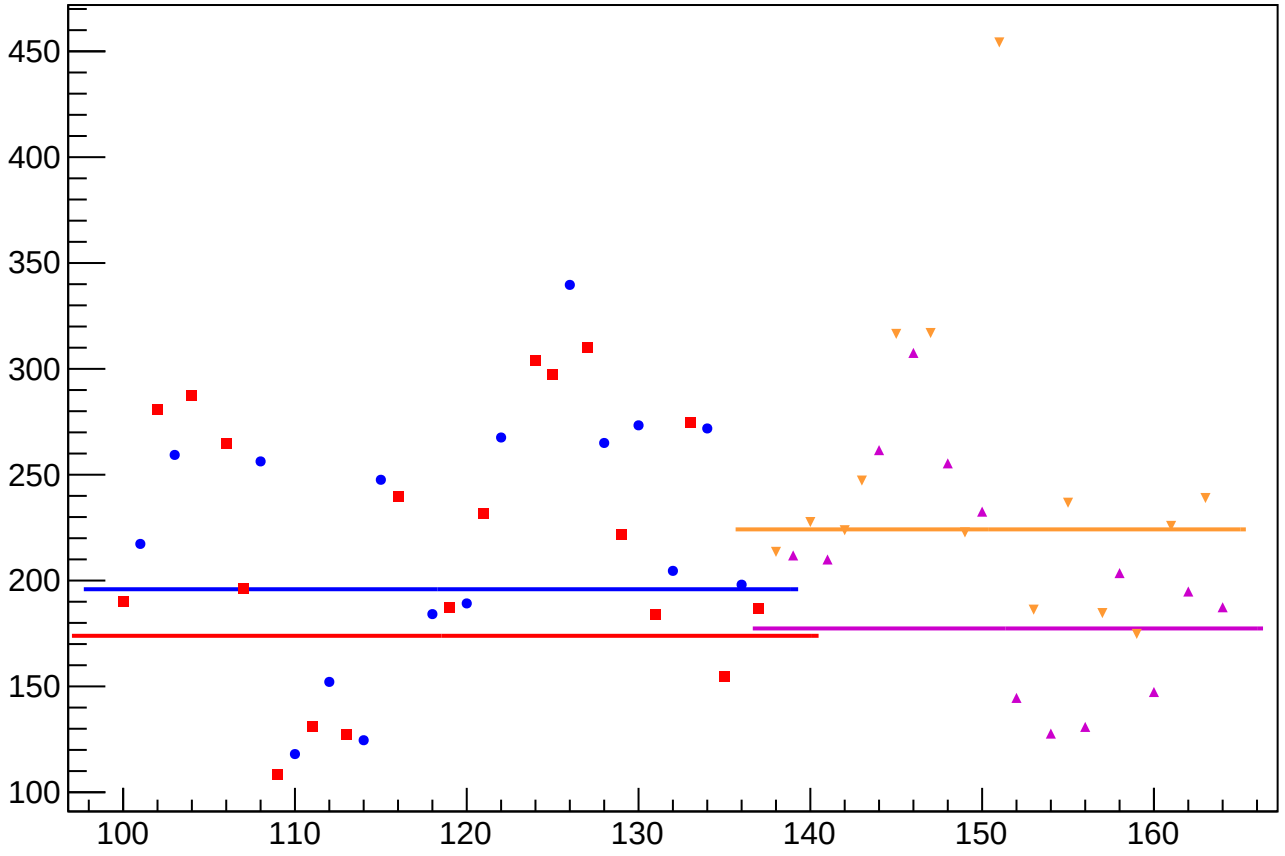
Left In: -139.435+/-57.212 χ^2/NDF:5.6/12

+ sign 83.257+/-51.648 χ^2/NDF: 25.2/29

All: 18.765+/-33.499 χ^2/NDF: 55.7/61

- sign -28.066+/-44.012 χ^2/NDF: 27.8/31

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 224.176+/-0.049 χ^2/NDF:975040.8/13

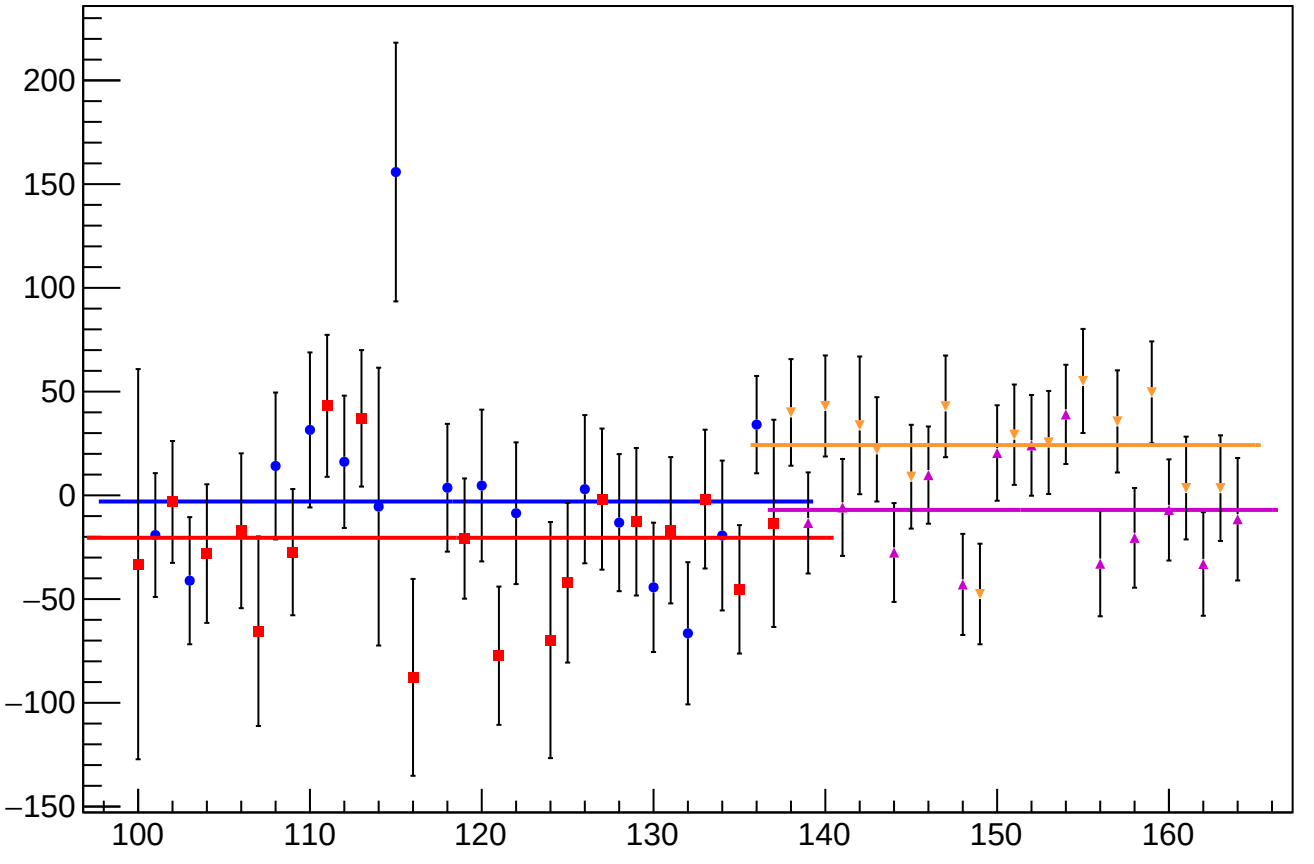
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

+ sign 211.426+/-0.037 χ^2/NDF: 2134477.0/29

All: 190.878+/-0.024 χ^2/NDF: 5731443.2/61

- 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: 24.248+/-6.733 χ^2/NDF:15.0/13

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

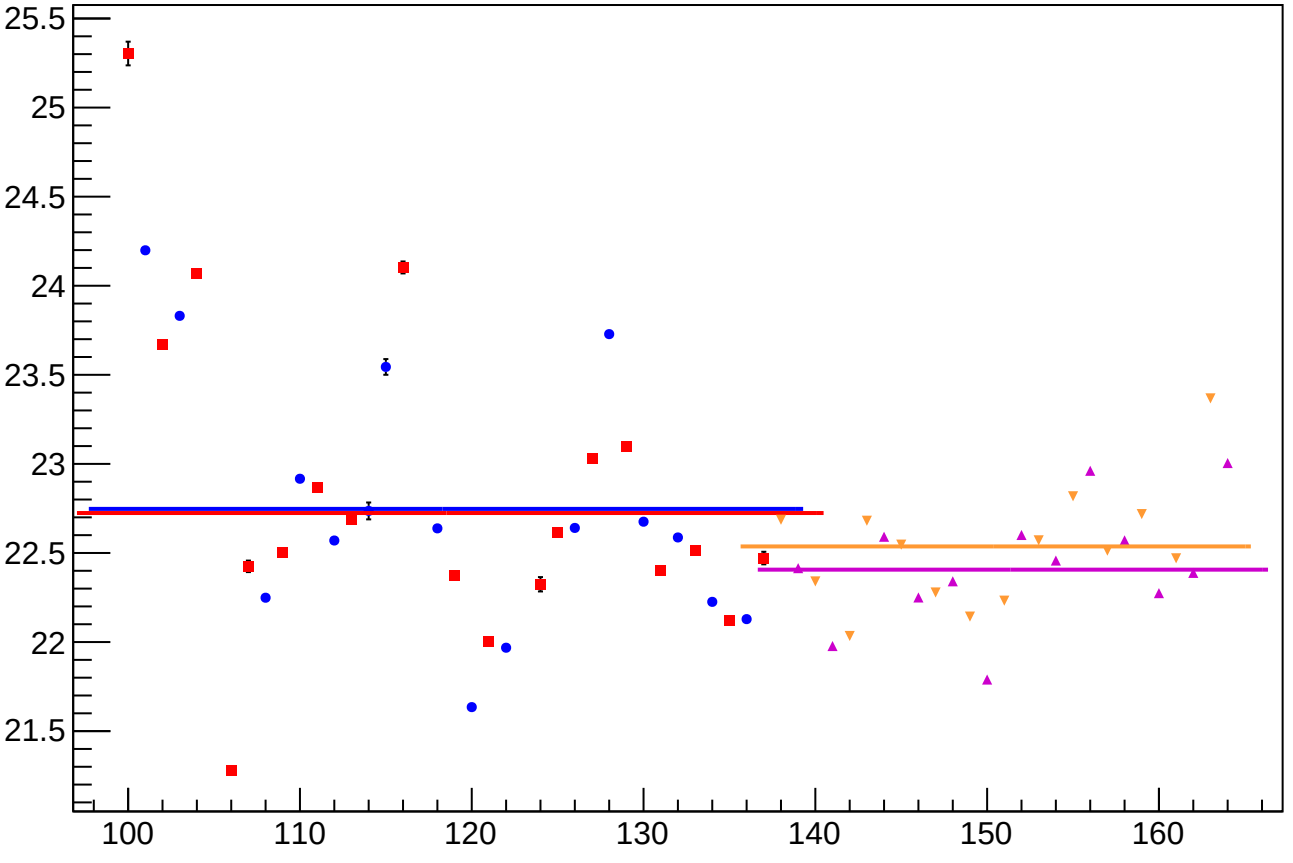
Left In: -7.022+/-6.767 χ^2/NDF:12.7/12

+ sign 13.686+/-5.267 χ^2/NDF: 39.3/29

All: 0.587+/-3.716 χ^2/NDF: 81.2/61

- 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: 22.537+/-0.005 χ^2/NDF:4302.7/13

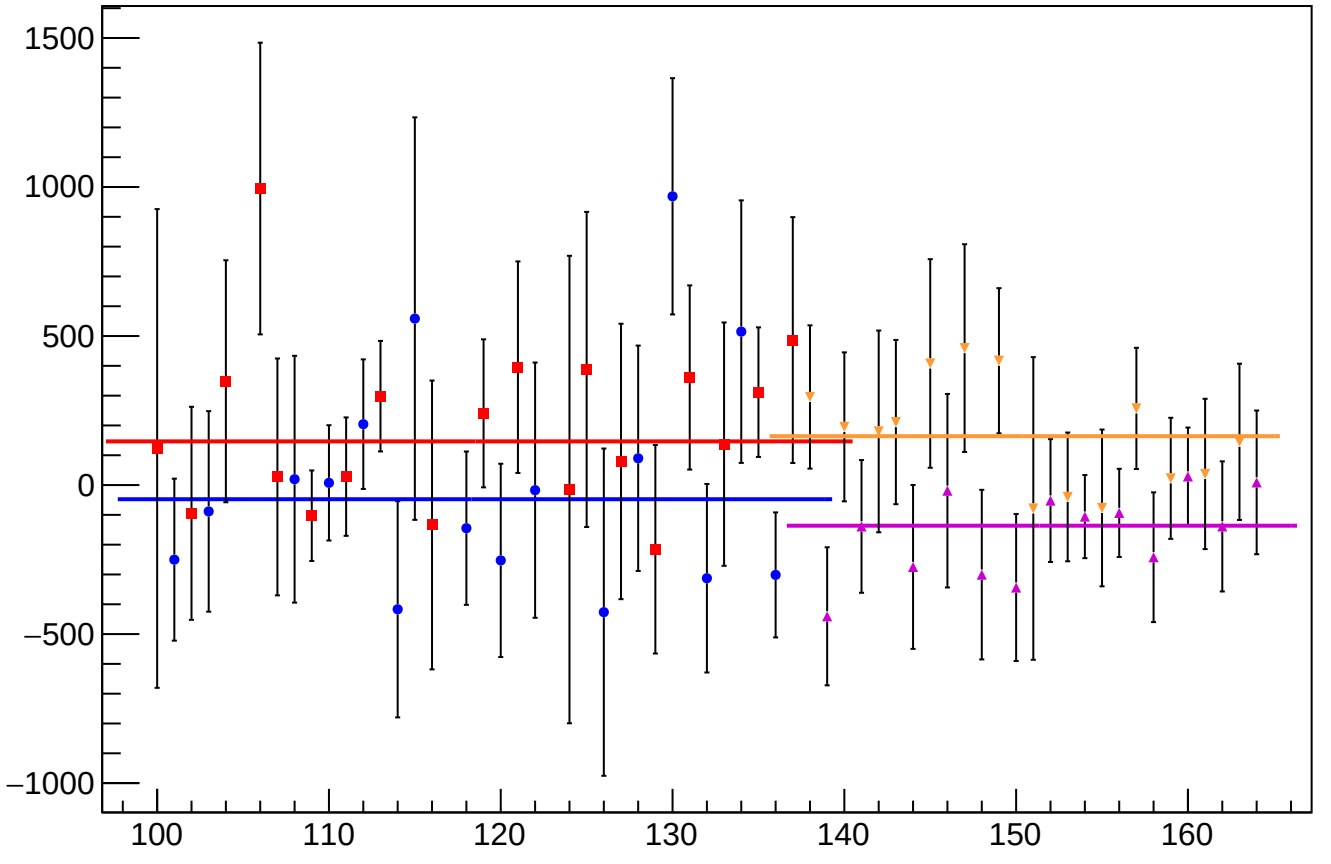
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

\+ sign 22.619+/-0.004 χ^2/NDF: 19686.0/29

All: 22.576+/-0.003 χ^2/NDF: 40609.7/61

\- sign 22.533+/-0.004 χ^2/NDF: 20661.6/31



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 164.027+/-69.514 χ^2/NDF:5.5/13

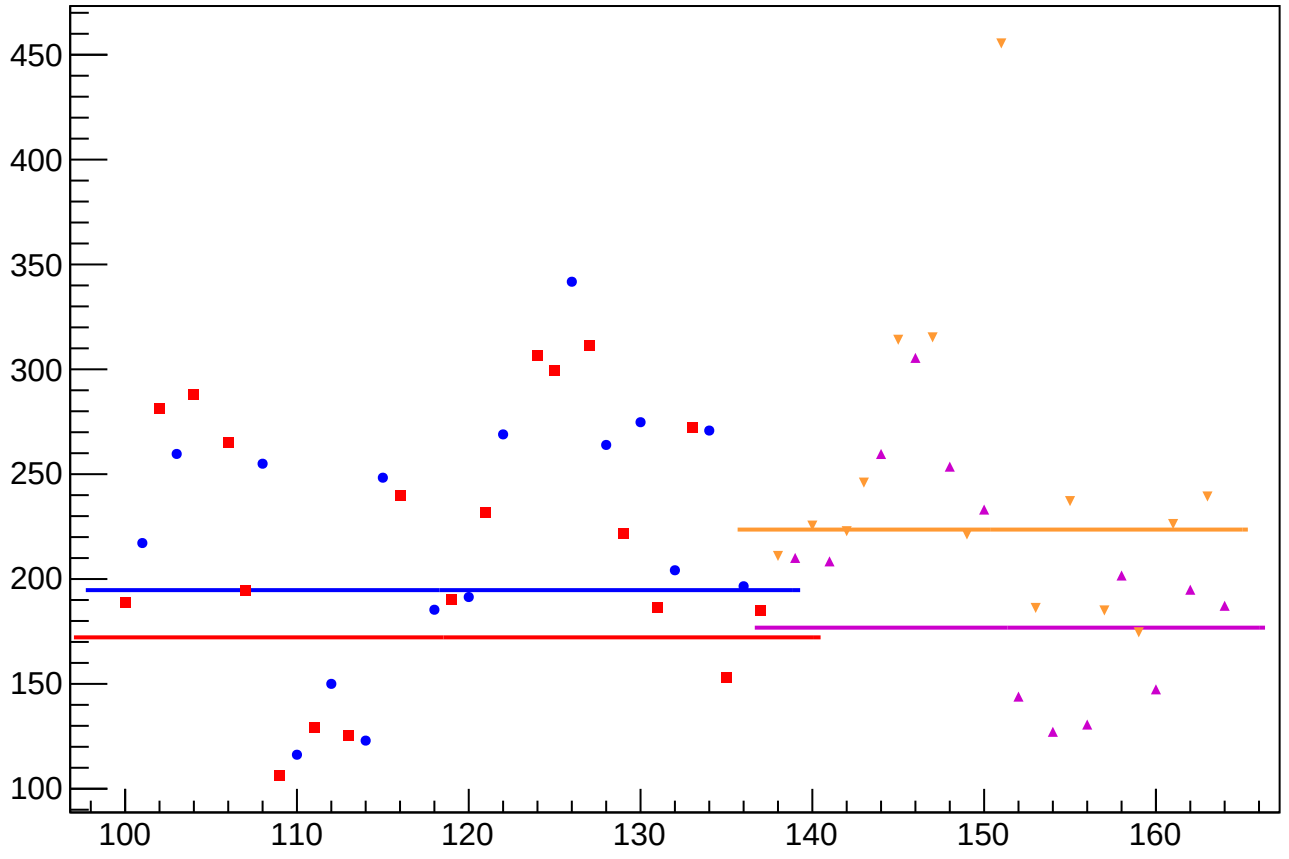
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -136.323+/-57.027 χ^2/NDF:5.1/12

+ sign 68.447+/-51.468 χ^2/NDF: 25.1/29

All: 16.969+/-33.357 χ^2/NDF: 53.6/61

- 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: 223.583+/-0.049 χ^2/NDF:968990.9/13

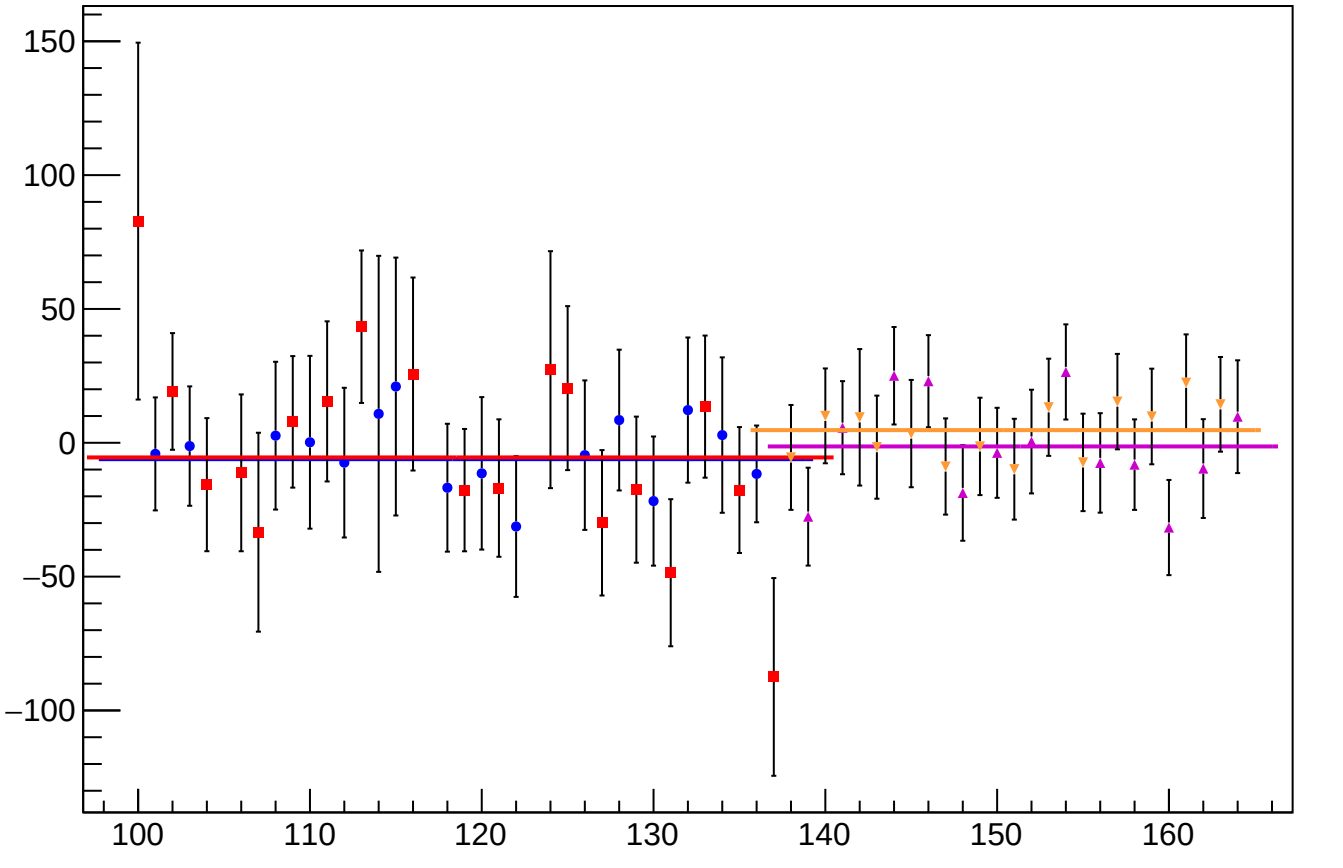
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

+ sign 210.537+/-0.036 χ^2/NDF: 2177193.5/29

All: 189.877+/-0.024 χ^2/NDF: 5843881.1/61

- 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: 4.731+/-4.997 χ^2/NDF:4.2/13

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

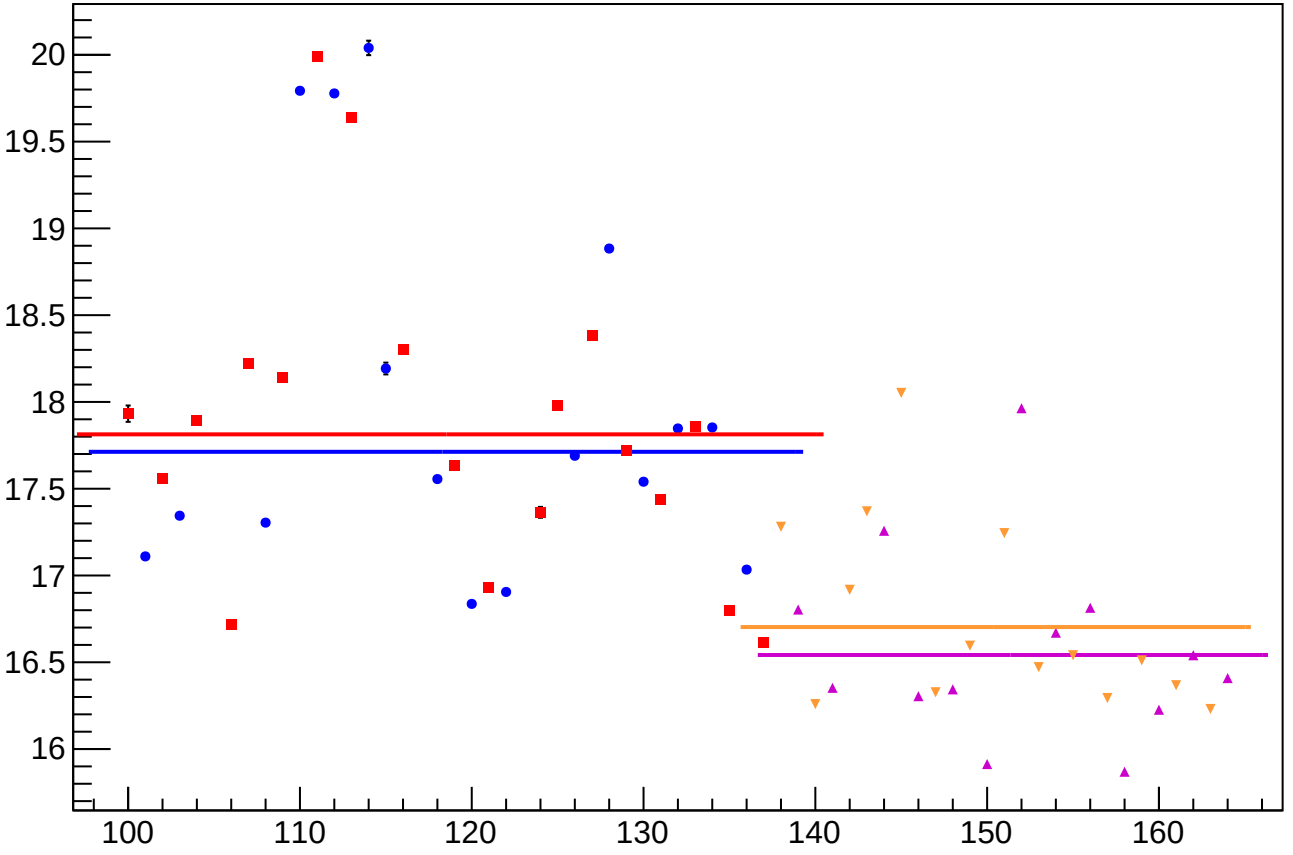
Left In: -1.366+/-5.004 χ^2/NDF:13.4/12

+ sign 0.772+/-3.982 χ^2/NDF: 9.0/29

All: -1.066+/-2.811 χ^2/NDF: 42.3/61

- 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: 16.703+/-0.004 χ^2/NDF:21068.2/13

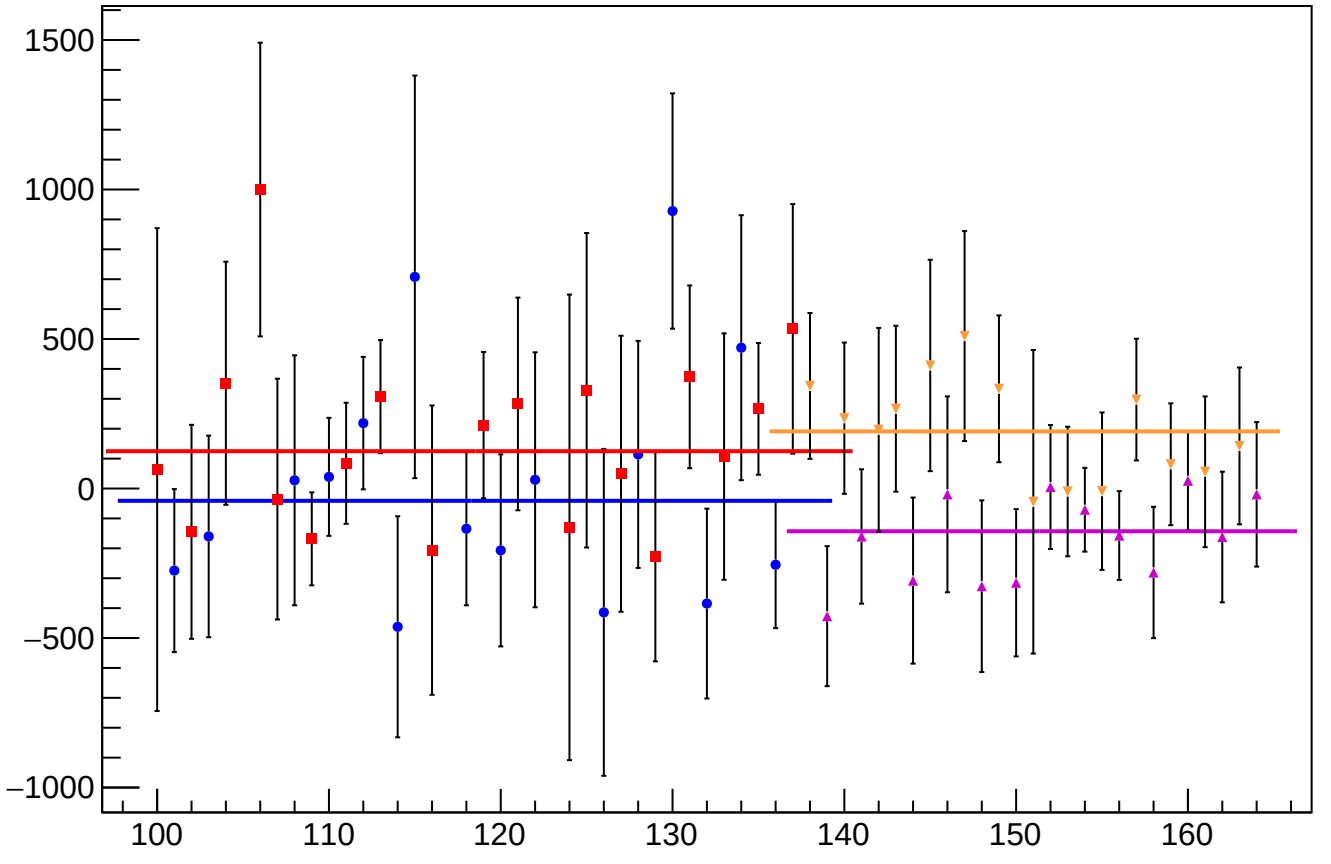
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

+ sign 17.071+/-0.003 χ^2/NDF: 86852.8/29

All: 17.043+/-0.002 χ^2/NDF: 190063.0/61

- 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: 191.039+/-69.855 χ^2/NDF:4.6/13

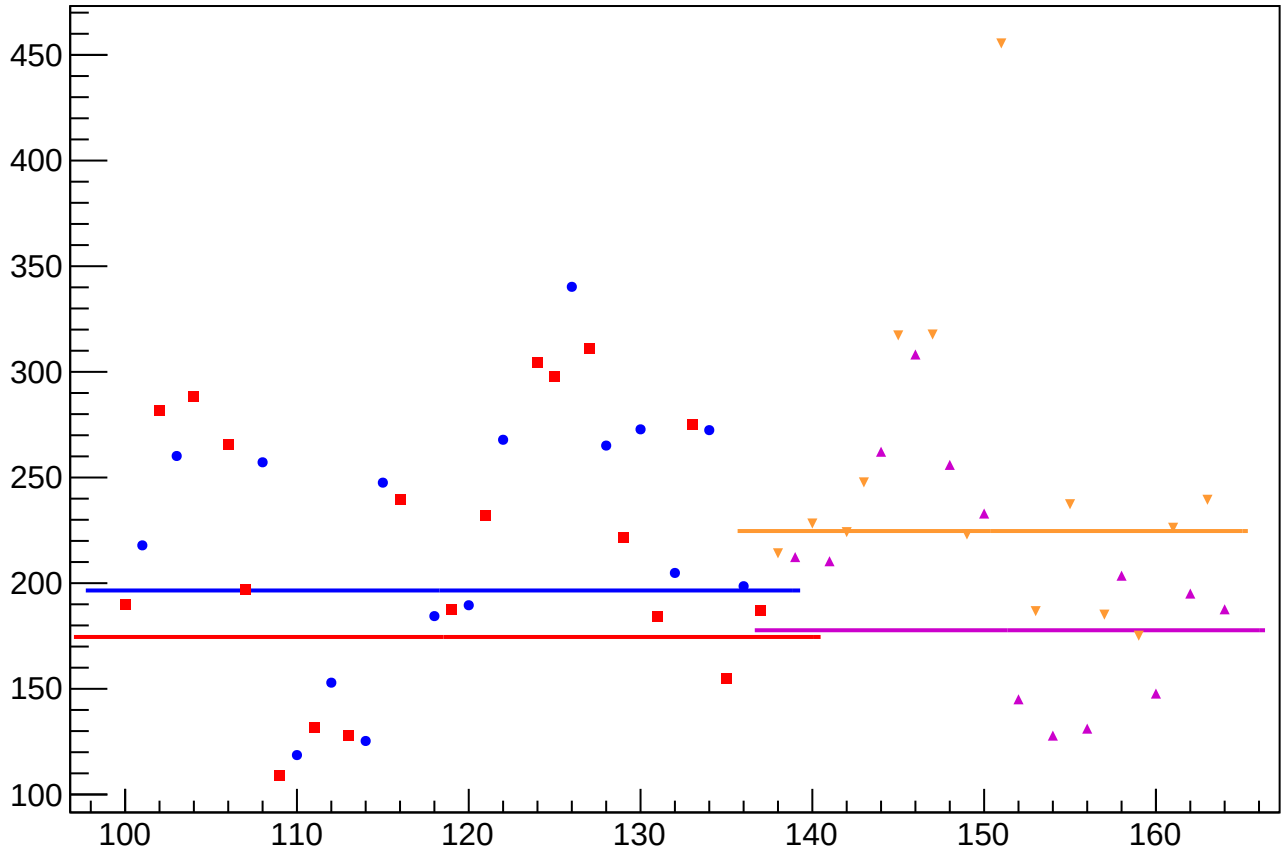
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -142.956+/-57.322 χ^2/NDF:5.4/12

+ sign 86.437+/-51.779 χ^2/NDF: 25.2/29

All: 16.781+/-33.582 χ^2/NDF: 55.4/61

- 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: 224.673+/-0.049 χ^2/NDF:975073.8/13

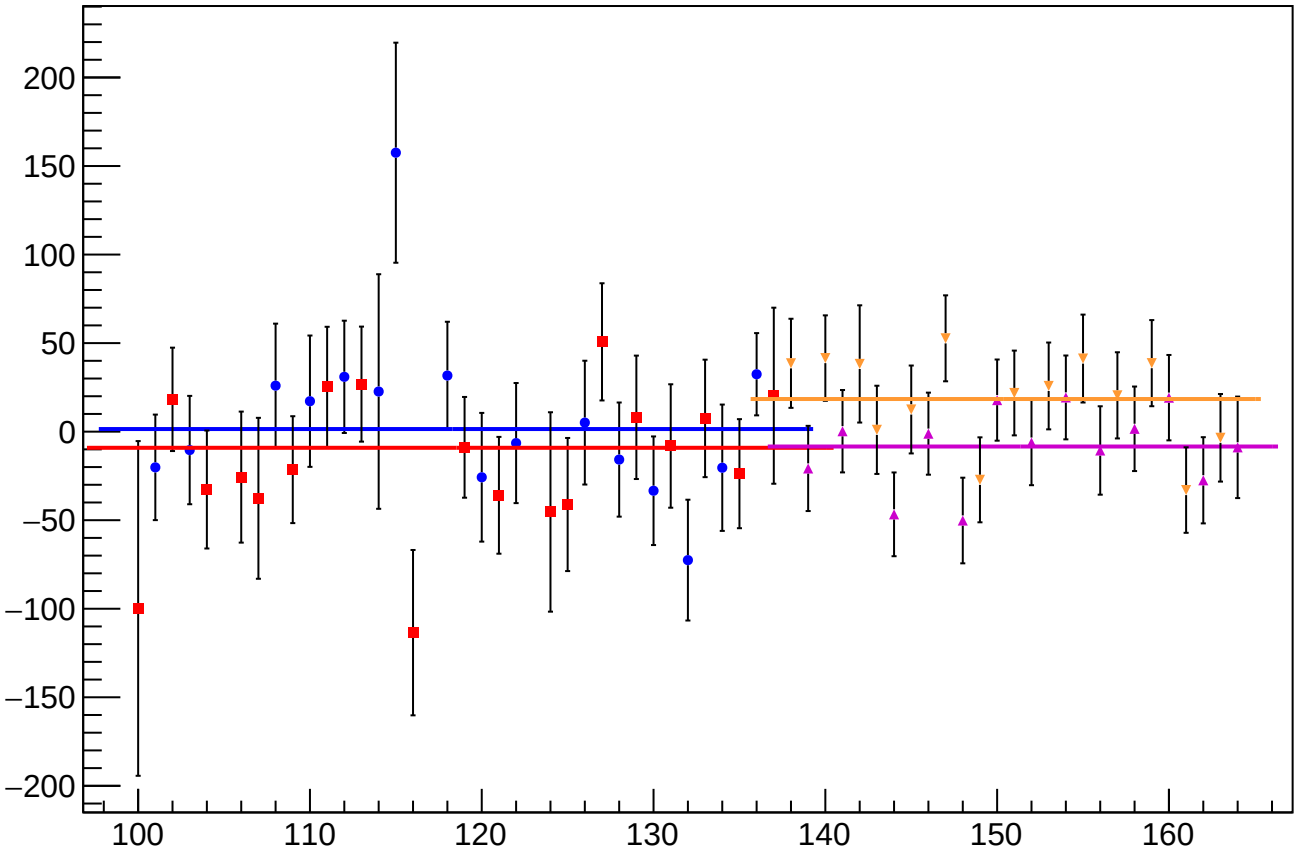
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

+ sign 211.998+/-0.037 χ^2/NDF: 2121984.7/29

All: 191.387+/-0.024 χ^2/NDF: 5707607.3/61

- 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: 18.428+/-6.645 χ^2/NDF:15.1/13

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

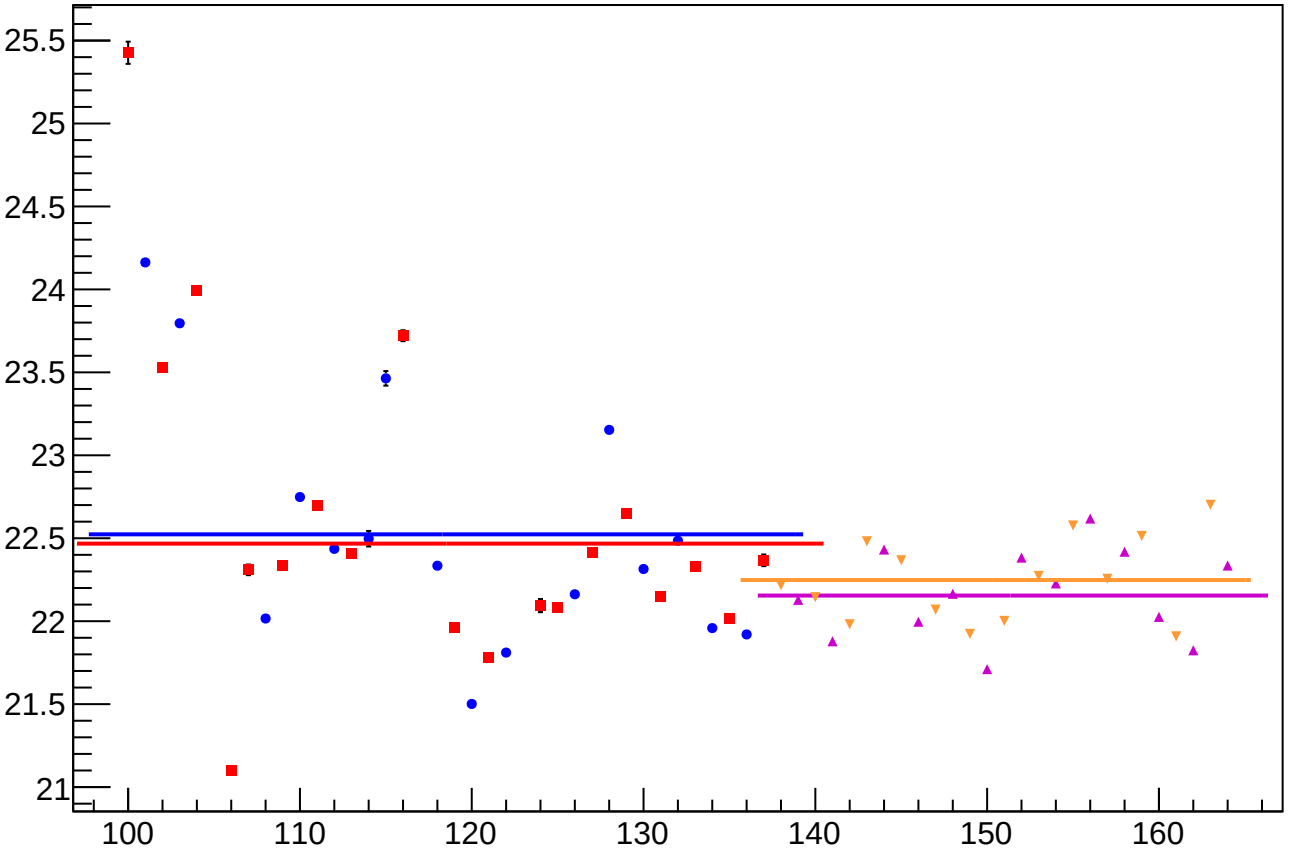
Left In: -8.392+/-6.690 χ^2/NDF:10.9/12

\+ sign 11.874+/-5.205 χ^2/NDF: 36.2/29

All: 1.555+/-3.673 χ^2/NDF: 71.4/61

\- 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: 22.248+/-0.005 χ^2/NDF:2737.6/13

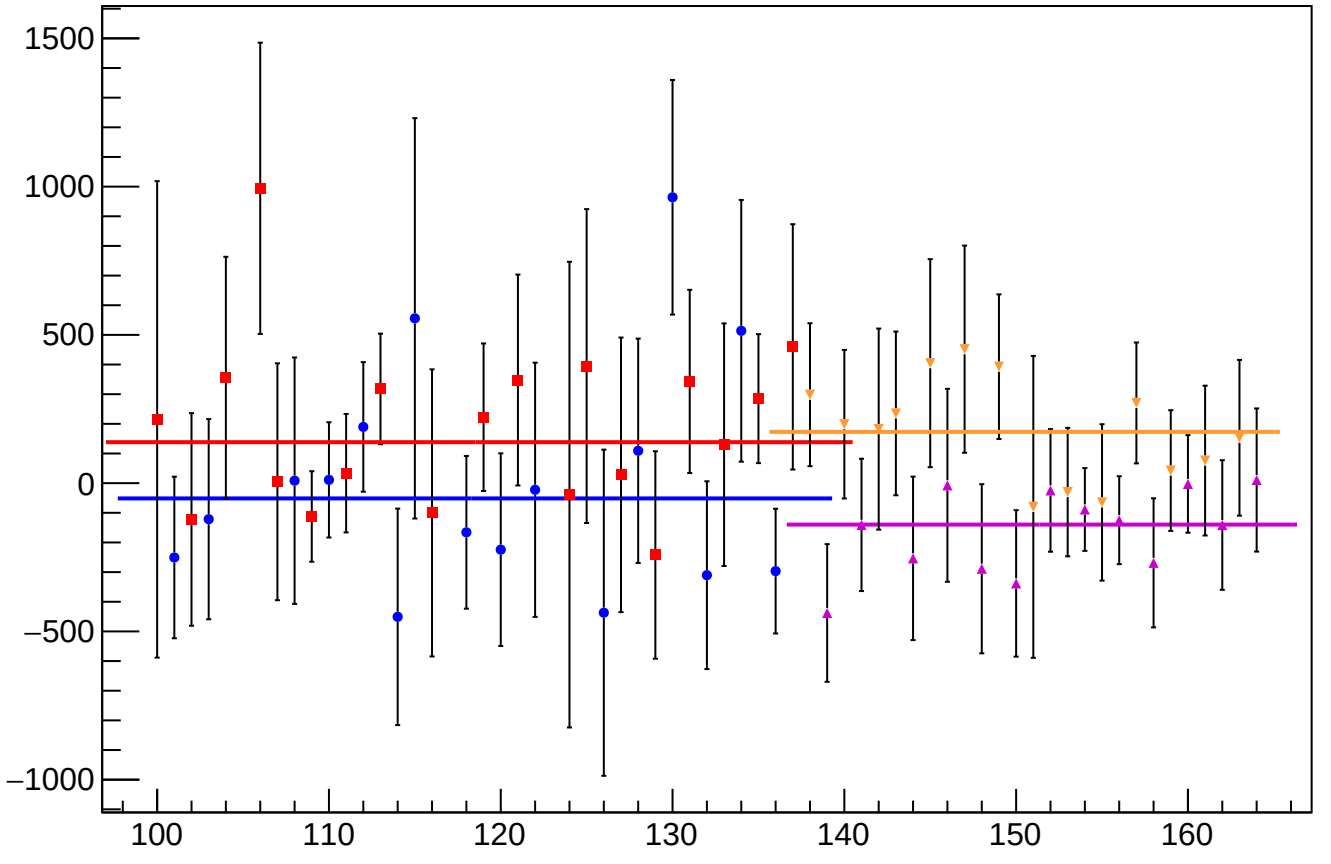
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

+ sign 22.355+/-0.004 χ^2/NDF: 20014.0/29

All: 22.317+/-0.003 χ^2/NDF: 40640.0/61

- 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: 172.947+/-69.669 χ^2/NDF:5.0/13

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

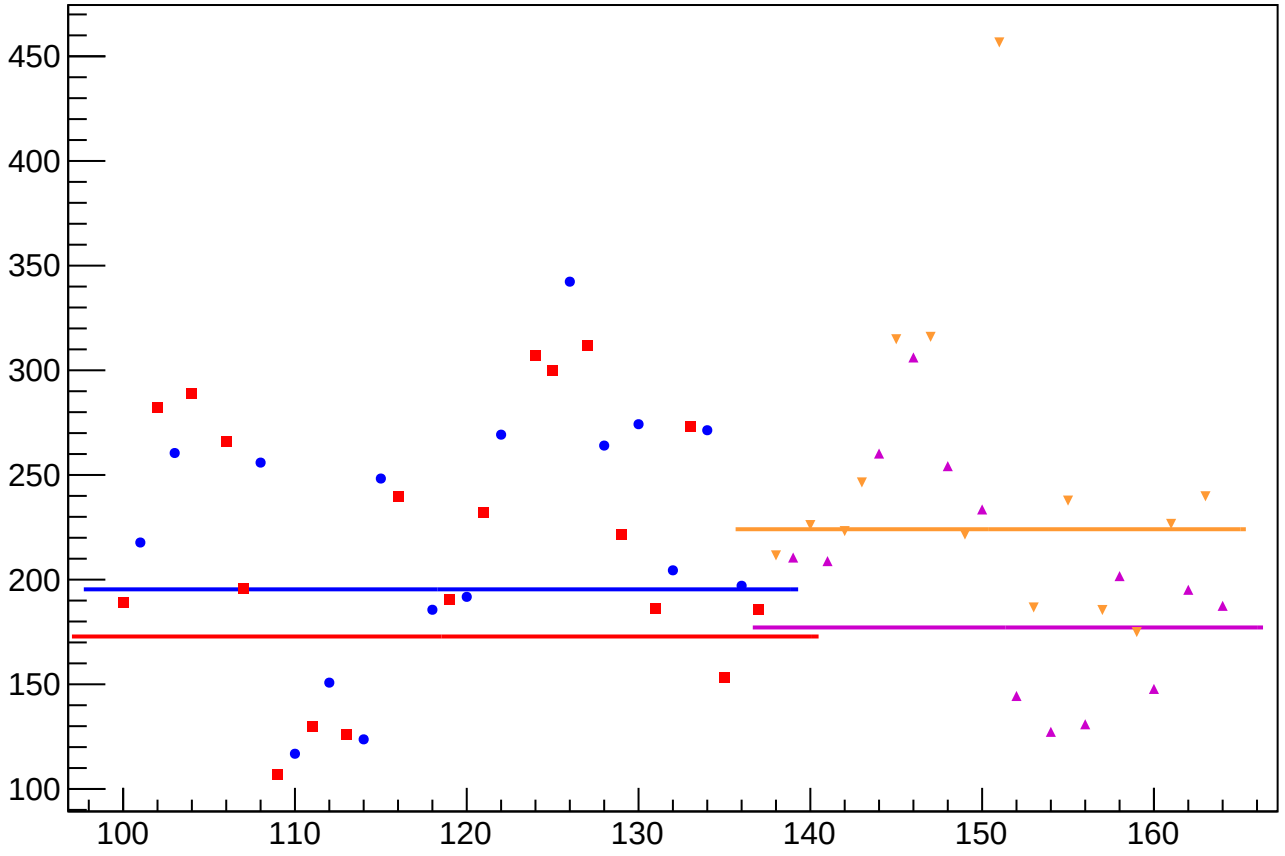
Left In: -139.744+/-57.137 χ^2/NDF:4.8/12

+ sign 71.625+/-51.600 χ^2/NDF: 25.0/29

All: 15.028+/-33.441 χ^2/NDF: 53.1/61

- 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: 224.079+/-0.049 χ^2/NDF:969030.0/13

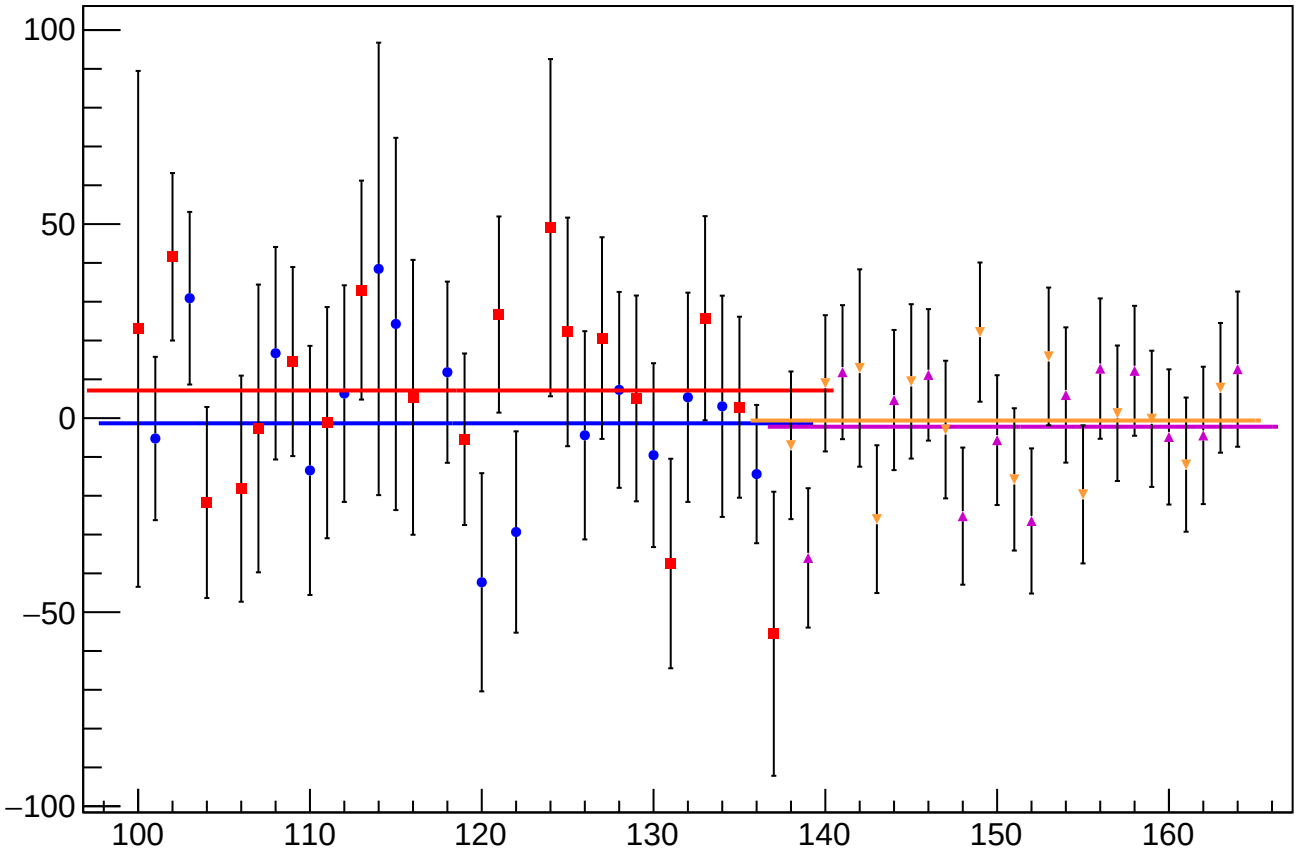
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

+ sign 211.114+/-0.036 χ^2/NDF: 2163876.8/29

All: 190.391+/-0.024 χ^2/NDF: 5818311.6/61

- 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: -0.612+/-4.886 χ^2/NDF:7.8/13

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

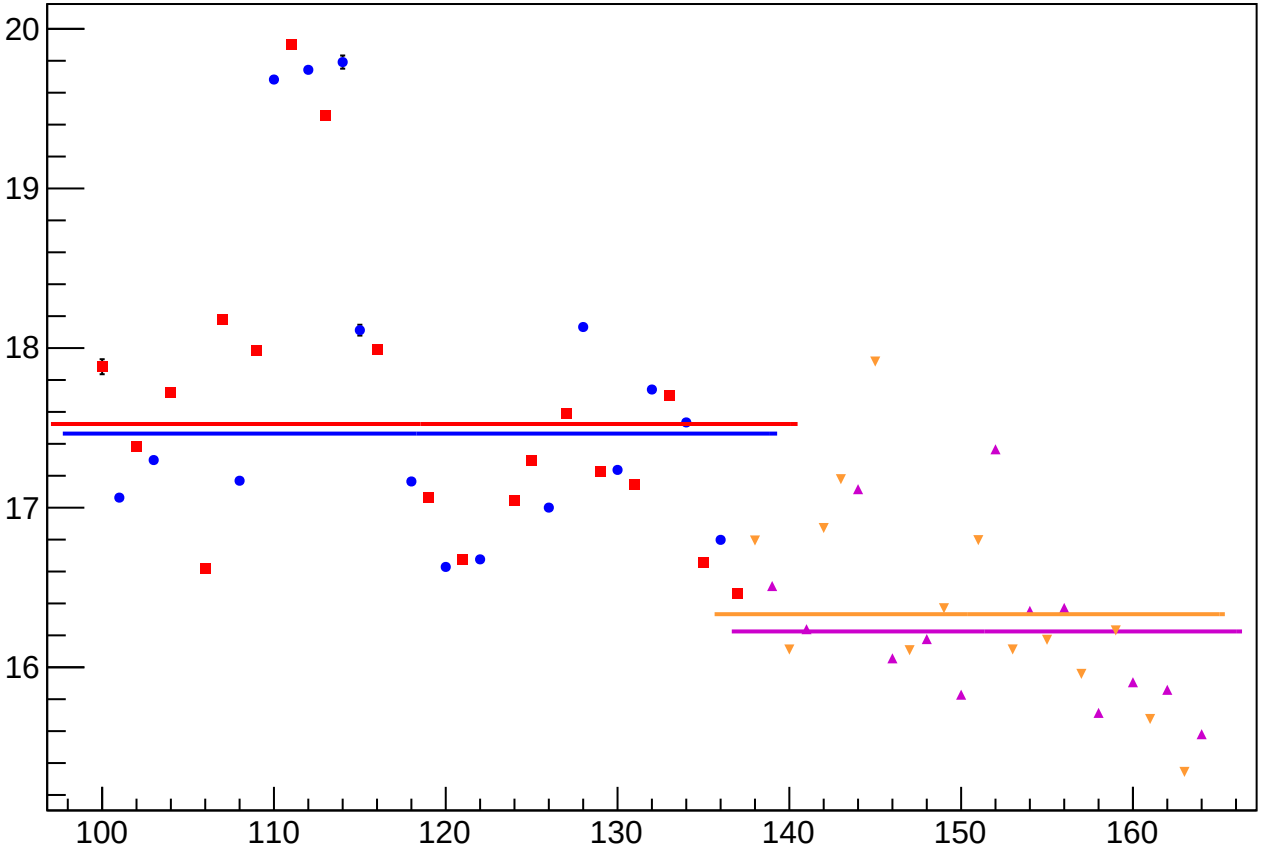
Left In: -2.216+/-4.906 χ^2/NDF:10.6/12

+ sign -0.871+/-3.905 χ^2/NDF: 15.8/29

All: 0.188+/-2.757 χ^2/NDF: 42.3/61

- sign 1.240+/-3.894 χ^2/NDF: 26.4/31

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.333+/-0.003 χ^2/NDF:31945.5/13

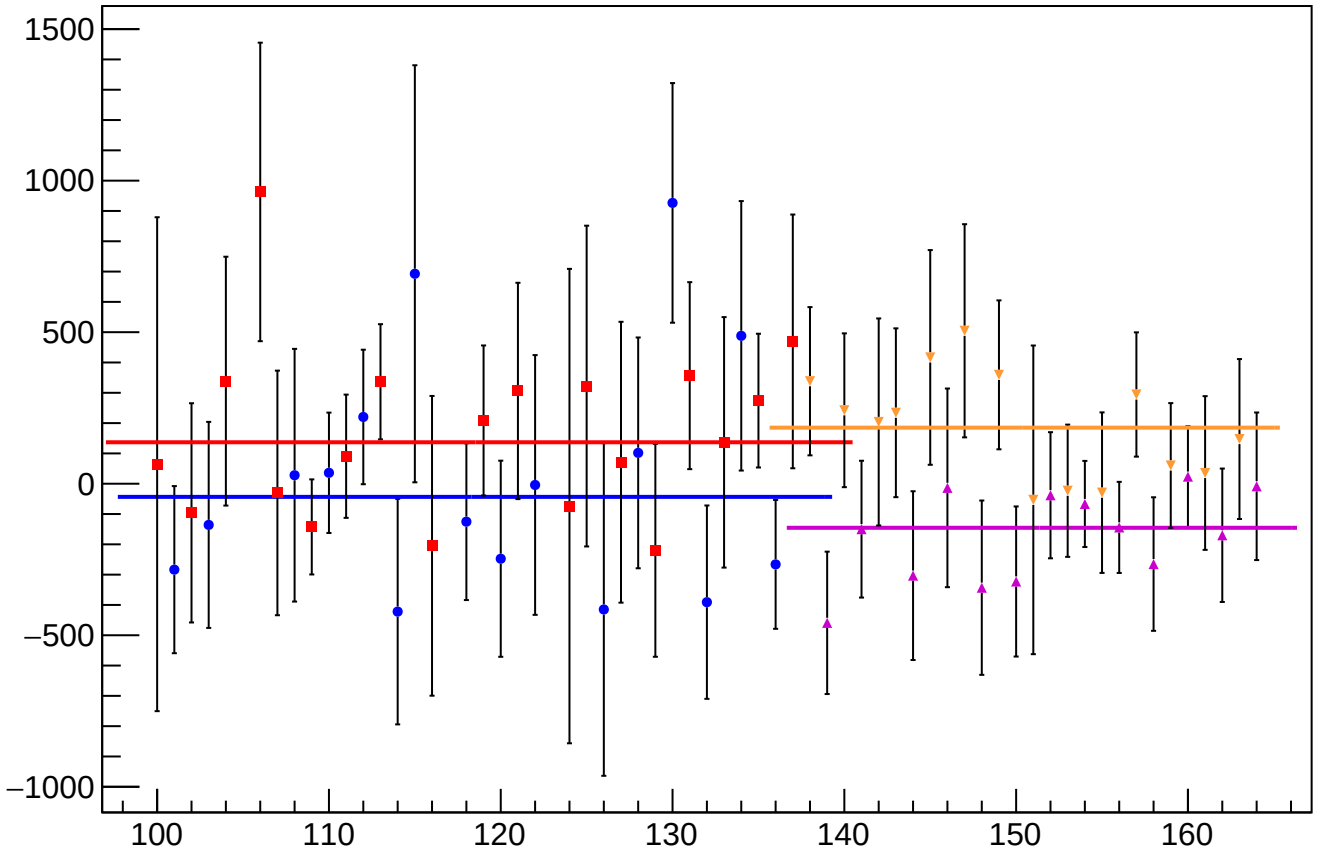
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

\+ sign 16.741+/-0.003 χ^2/NDF: 107331.1/29

All: 16.723+/-0.002 χ^2/NDF: 213929.1/61

\- 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: 185.010+/-70.229 χ^2/NDF:5.0/13

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

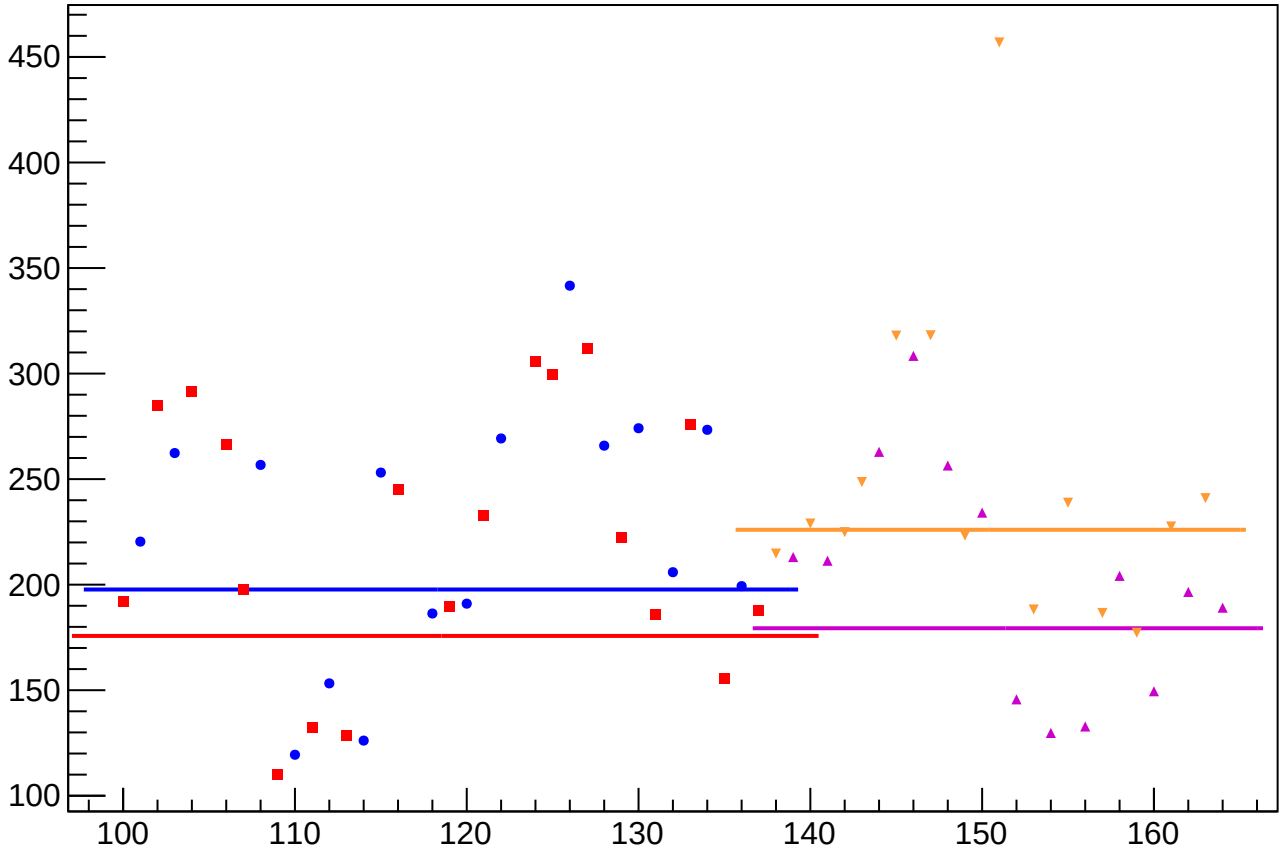
Left In: -145.392+/-57.781 χ^2/NDF:5.5/12

+ sign 82.150+/-52.066 χ^2/NDF: 25.3/29

All: 17.171+/-33.804 χ^2/NDF: 54.7/61

- 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: 226.004+/-0.050 χ^2/NDF:958606.3/13

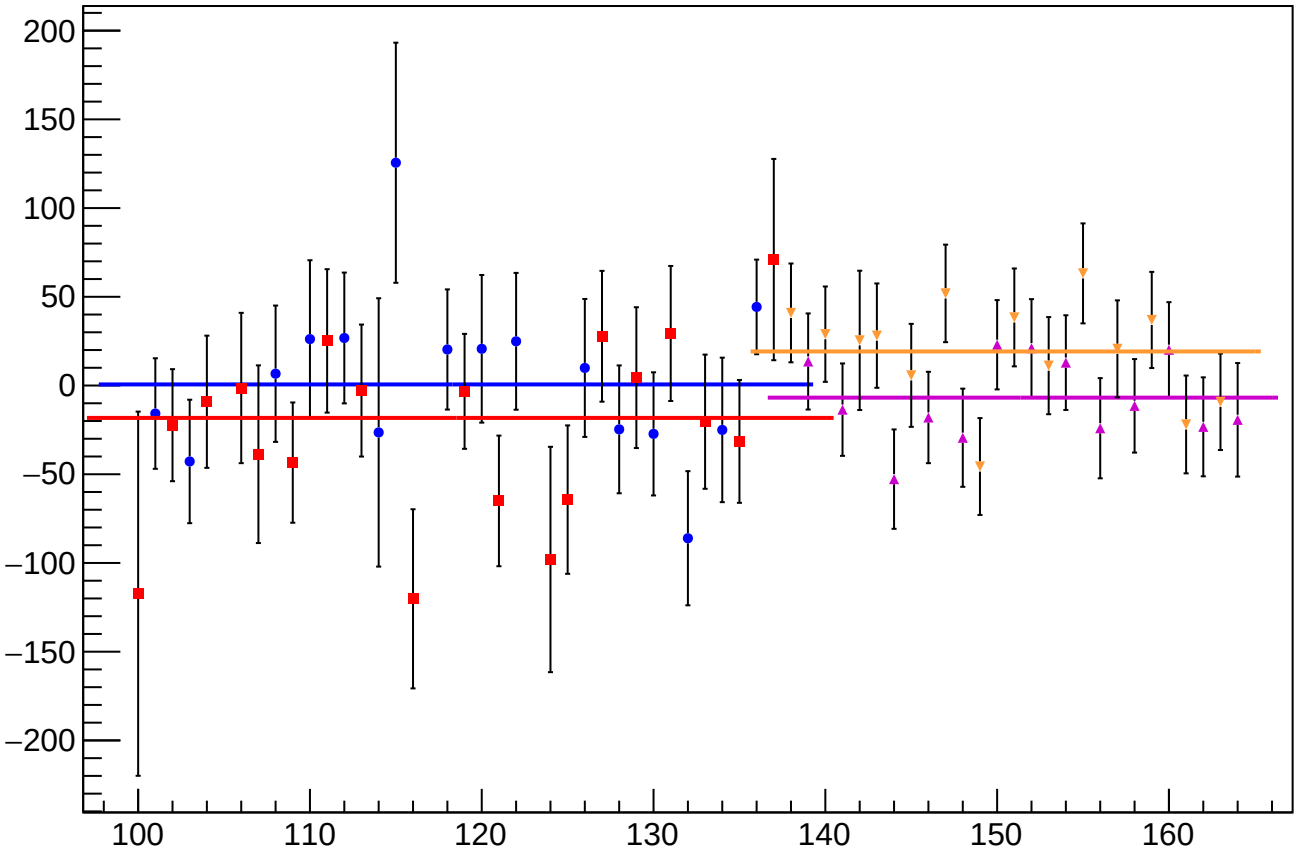
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

+ sign 213.260+/-0.037 χ^2/NDF: 2105165.0/29

All: 192.787+/-0.024 χ^2/NDF: 5639899.5/61

- 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: 19.191+/-7.534 χ^2/NDF:14.9/13

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

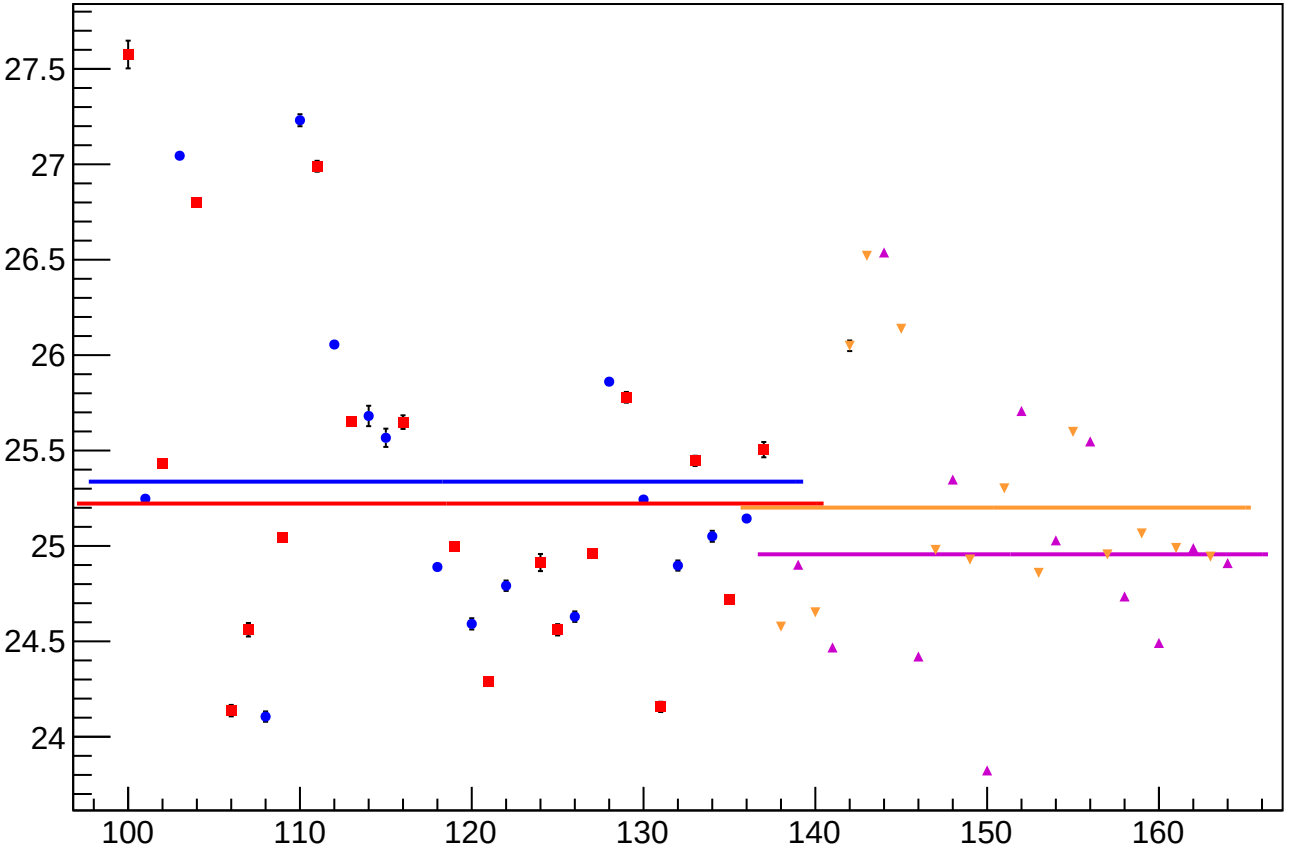
Left In: -6.830+/-7.545 χ^2/NDF:9.1/12

+ sign 11.947+/-5.884 χ^2/NDF: 34.0/29

All: 0.169+/-4.144 χ^2/NDF: 69.9/61

- 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: 25.201+/-0.005 χ^2/NDF:10459.5/13

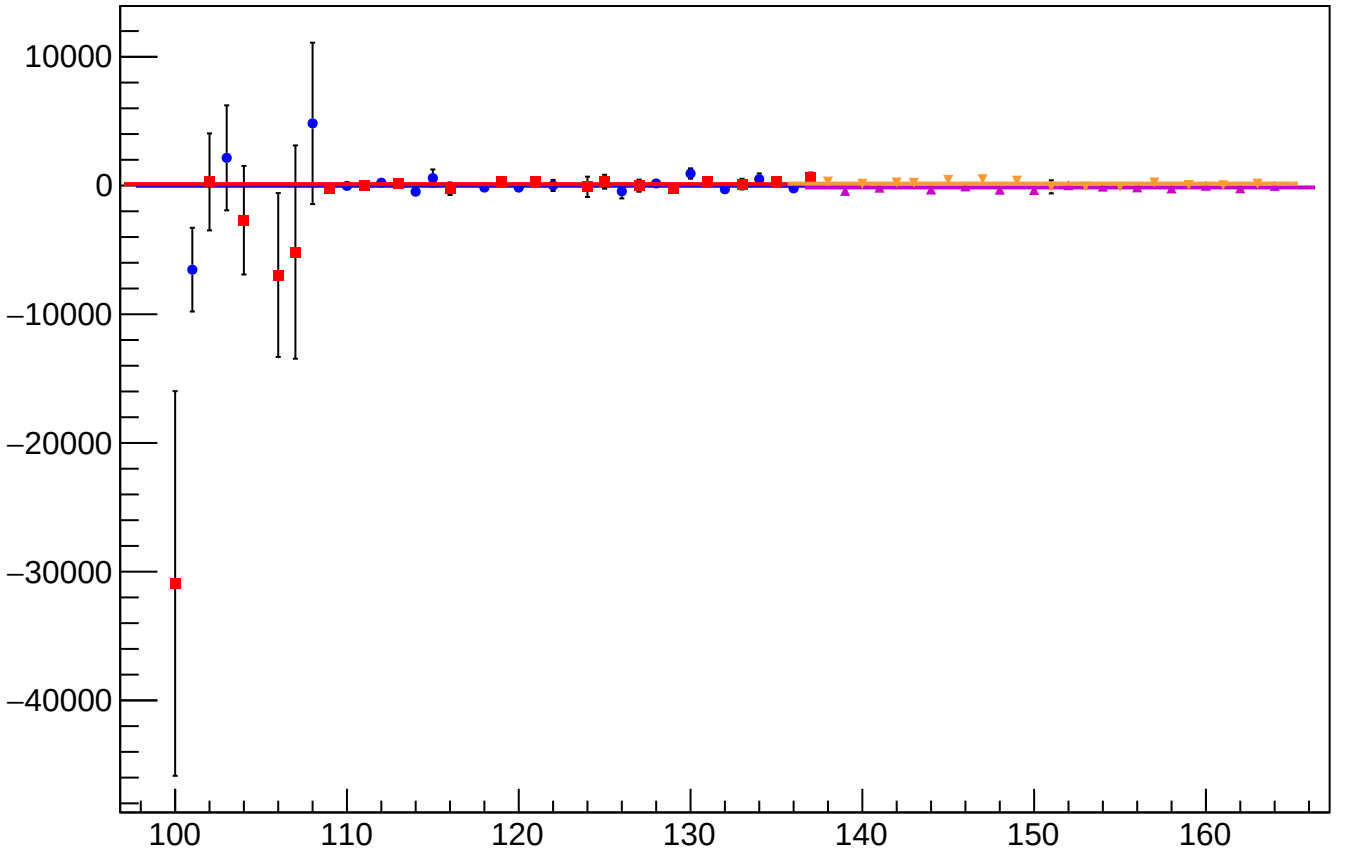
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

+ sign 25.254+/-0.004 χ^2/NDF: 25028.9/29

All: 25.158+/-0.003 χ^2/NDF: 57837.6/61

- 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: 151.451+/-71.388 χ^2/NDF:5.6/13

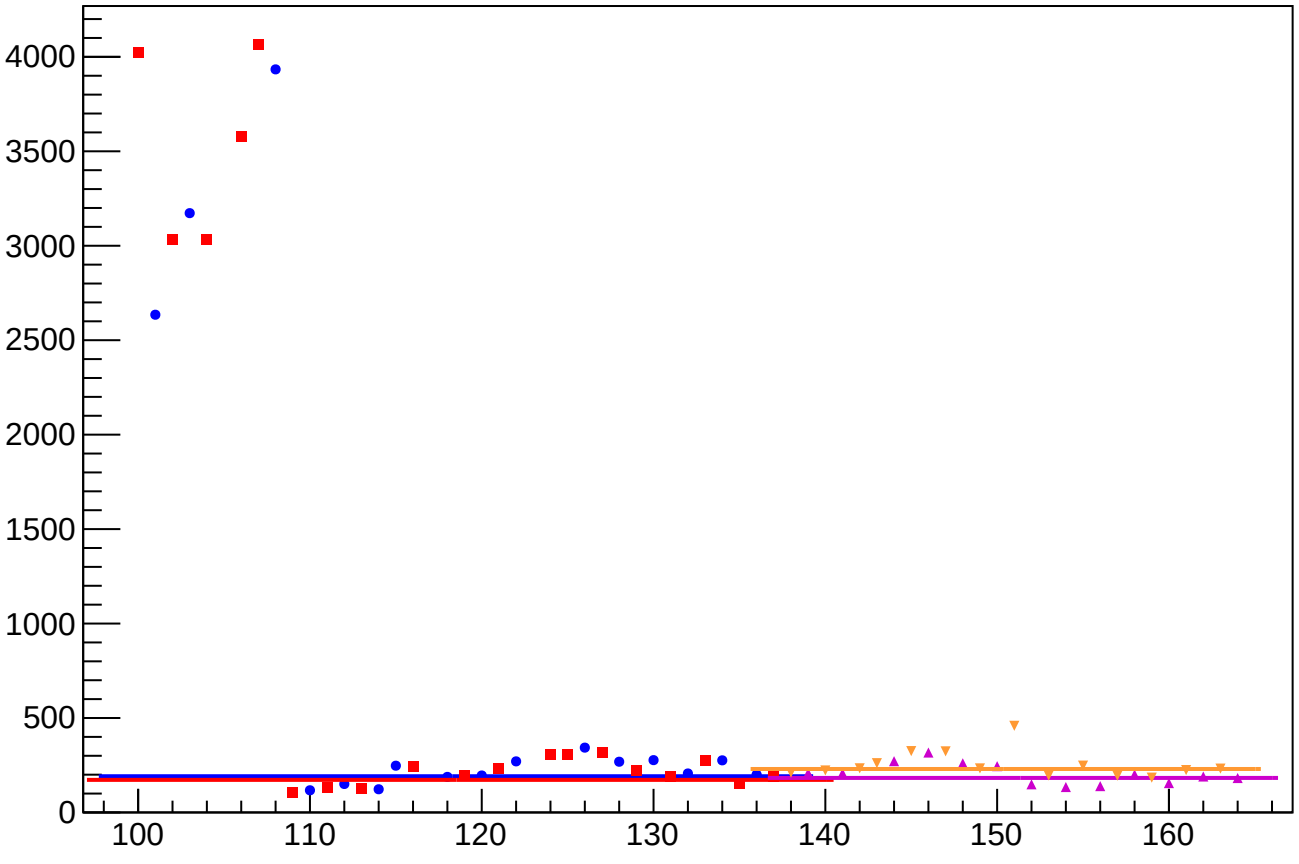
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -146.993+/-58.710 χ^2/NDF:4.6/12

+ sign 82.132+/-54.586 χ^2/NDF: 26.2/29

All: 3.496+/-35.586 χ^2/NDF: 55.3/61

- sign -54.625+/-46.929 χ^2/NDF: 25.5/31



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 230.108+/-0.050 χ^2/NDF:919063.5/13

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

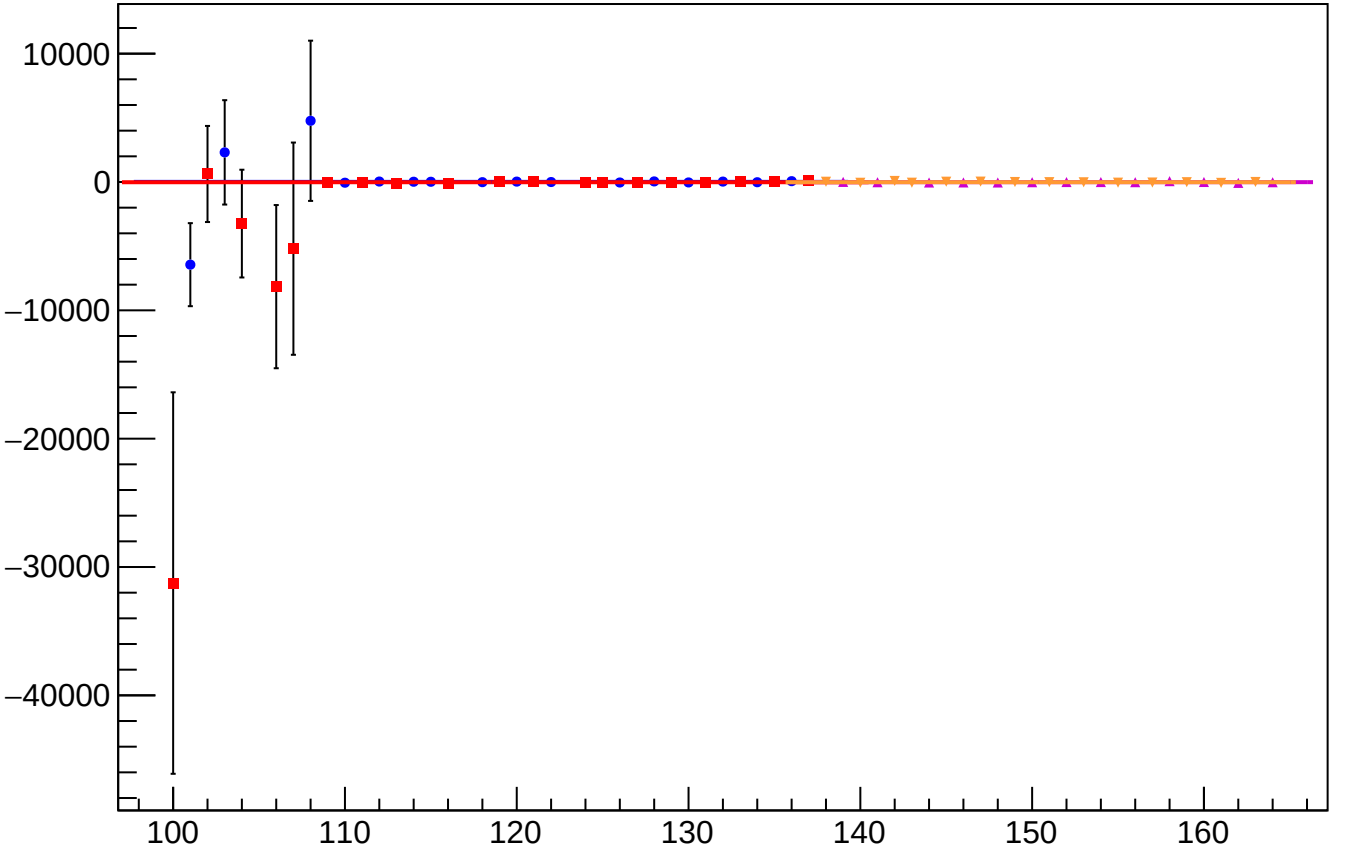
Left In: 182.806+/-0.042 χ^2/NDF:1298297.4/12

+ sign 214.171+/-0.039 χ^2/NDF: 4980860.4/29

All: 193.988+/-0.025 χ^2/NDF: 11080192.3/61

- 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: -15.766+/-8.752 χ^2/NDF:17.6/13

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

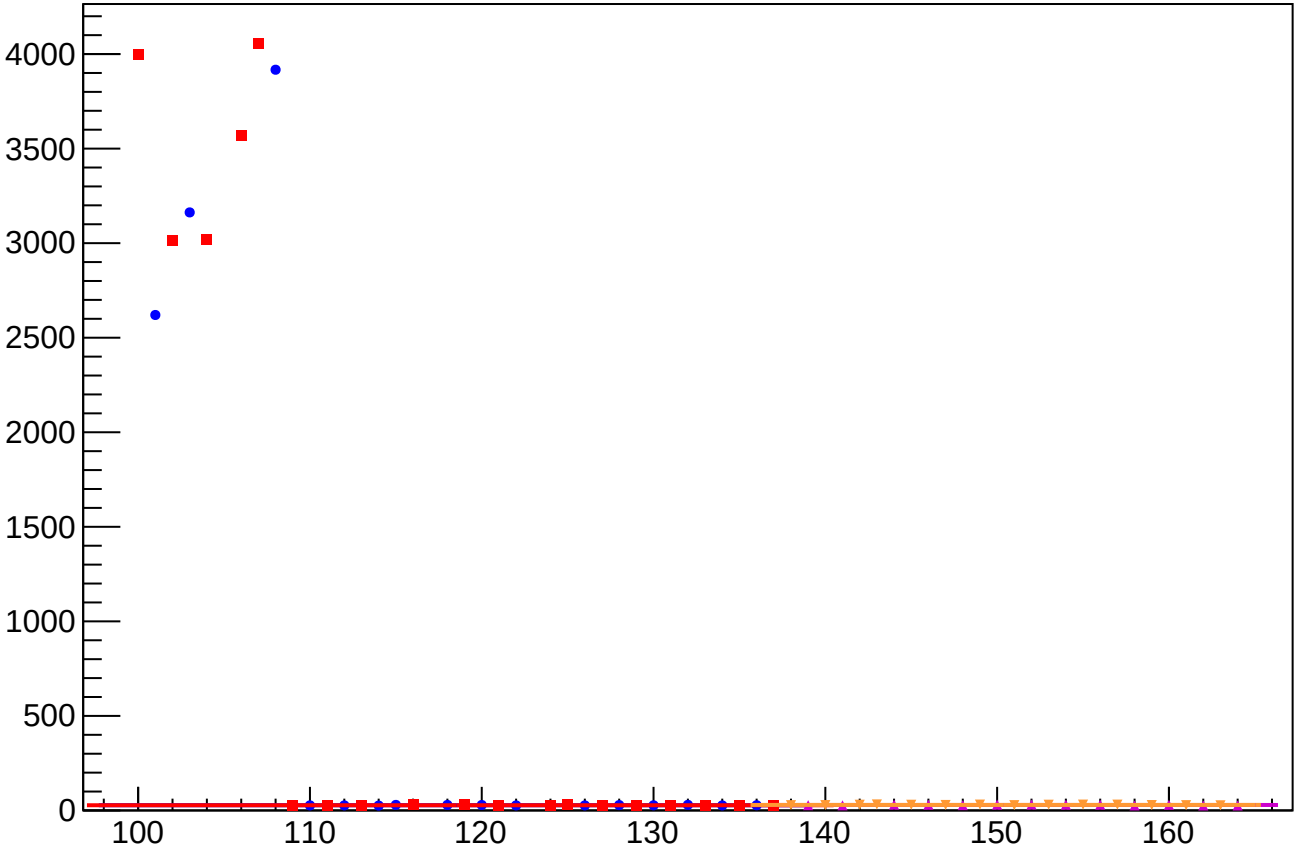
Left In: -12.323+/-8.792 χ^2/NDF:13.9/12

+ sign -6.658+/-7.005 χ^2/NDF: 36.6/29

All: -10.497+/-4.970 χ^2/NDF: 76.0/61

- 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: 29.212+/-0.006 χ^2/NDF:51626.0/13

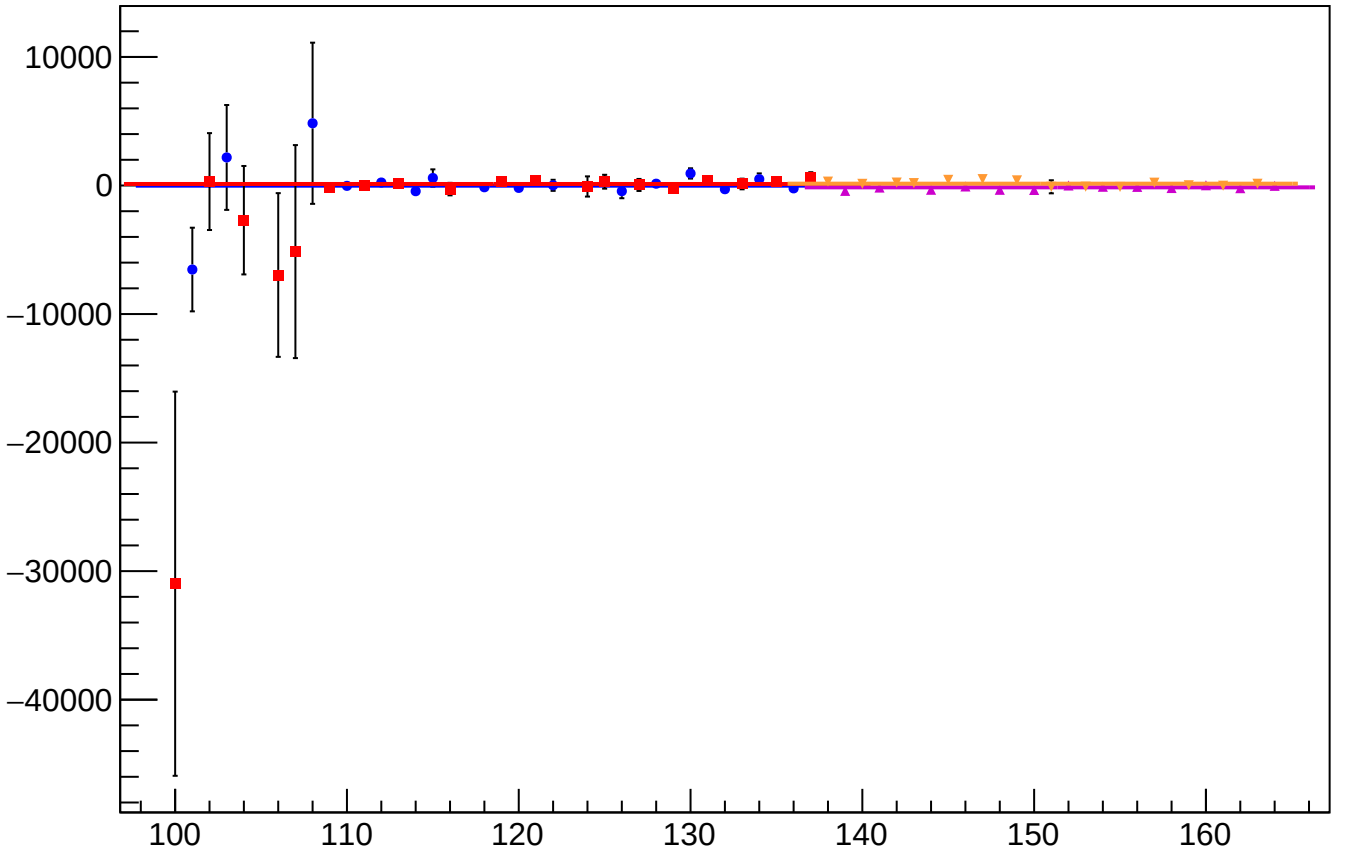
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.994+/-0.006 χ^2/NDF:96848.9/12

+ sign 28.648+/-0.005 χ^2/NDF: 3340267.7/29

All: 28.561+/-0.004 χ^2/NDF: 7012617.7/61

- 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: 142.219+/-71.234 χ^2/NDF:6.2/13

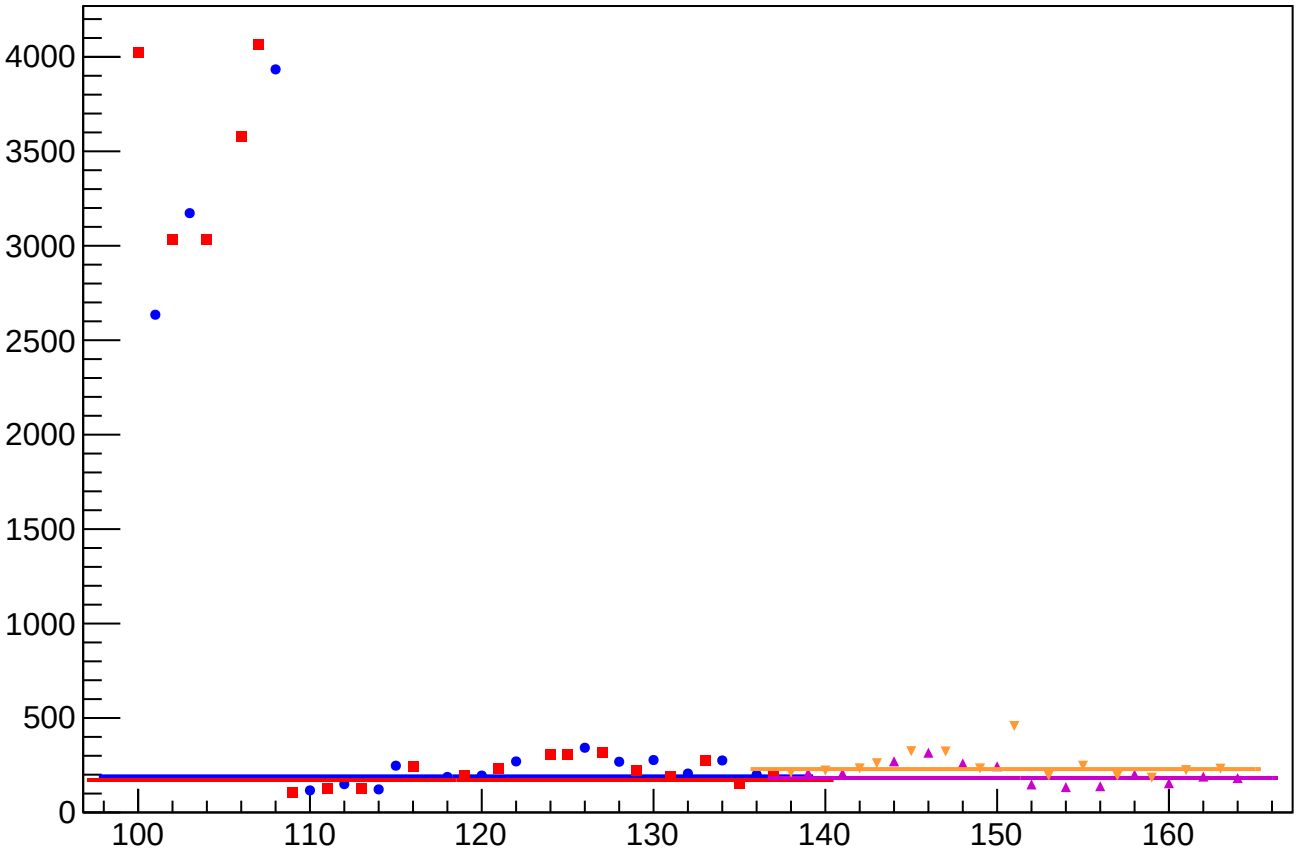
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -143.882+/-58.602 χ^2/NDF:4.8/12

+ sign 77.629+/-54.451 χ^2/NDF: 26.5/29

All: 4.738+/-35.502 χ^2/NDF: 56.2/61

- 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: 229.614+/-0.050 χ^2/NDF:918990.2/13

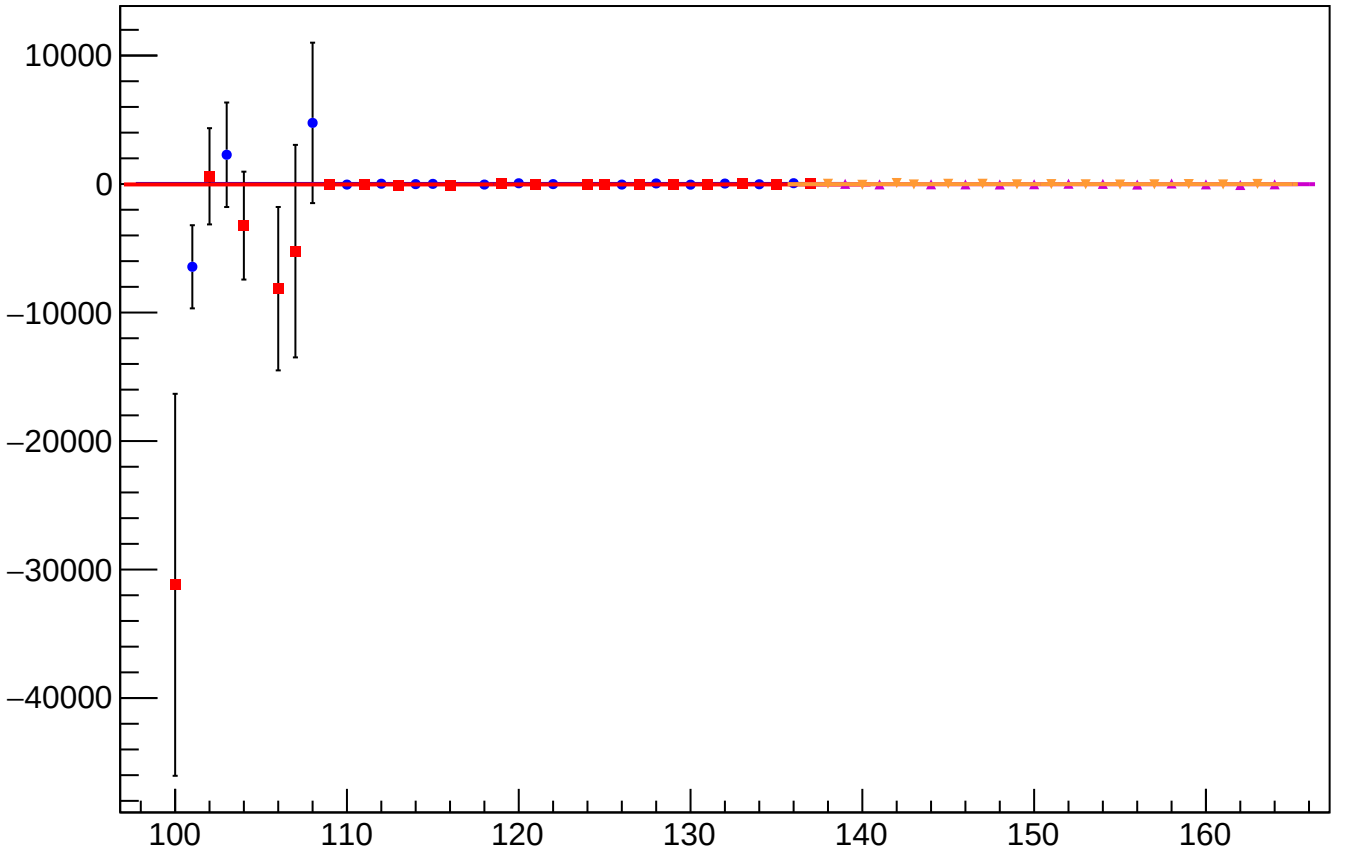
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

+ sign 213.591+/-0.039 χ^2/NDF: 4996358.6/29

All: 193.489+/-0.025 χ^2/NDF: 11107360.4/61

- 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: -9.360+/-8.826 χ^2/NDF:11.1/13

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

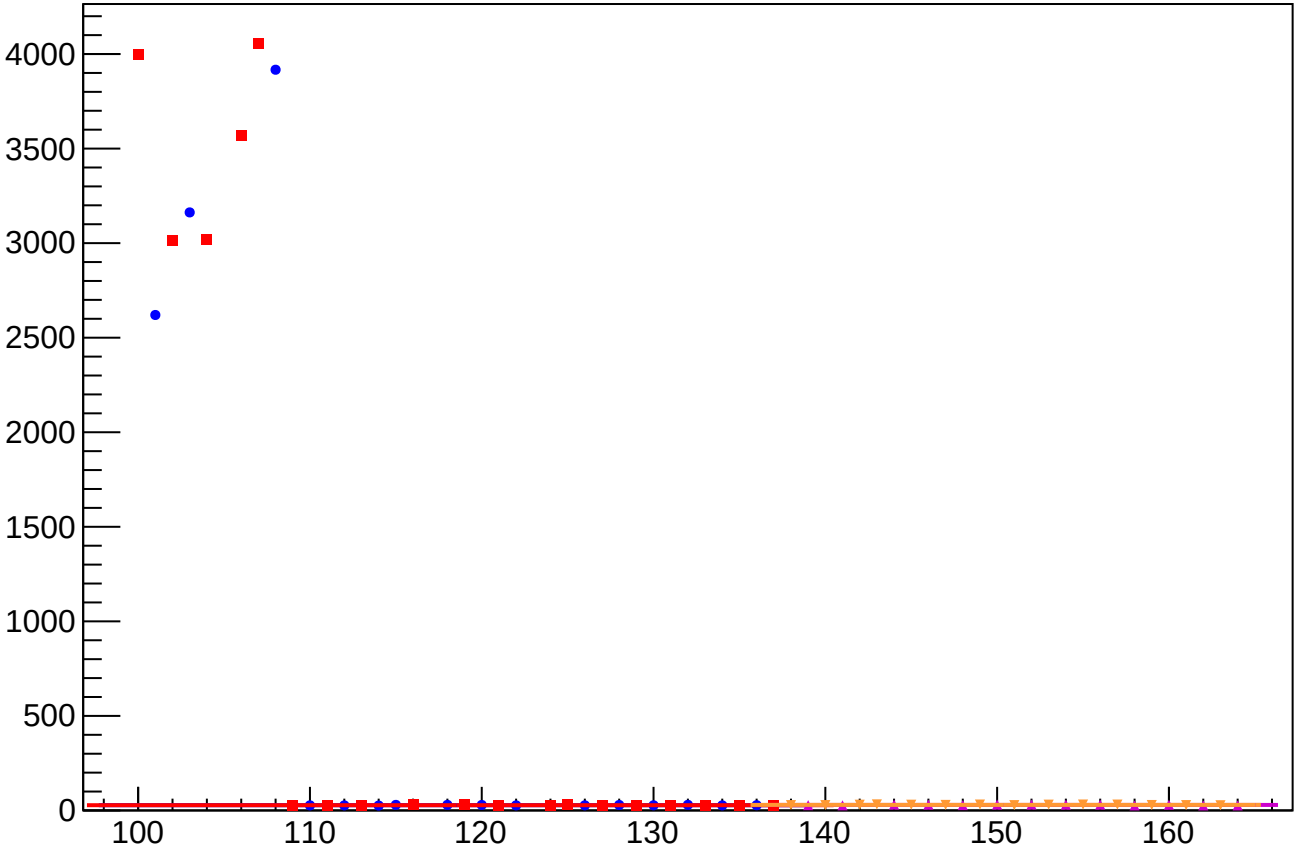
Left In: -12.349+/-8.854 χ^2/NDF:12.2/12

\+ sign -3.652+/-7.060 χ^2/NDF: 30.6/29

All: -11.268+/-5.008 χ^2/NDF: 66.6/61

\- 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: 29.455+/-0.006 χ^2/NDF:52955.1/13

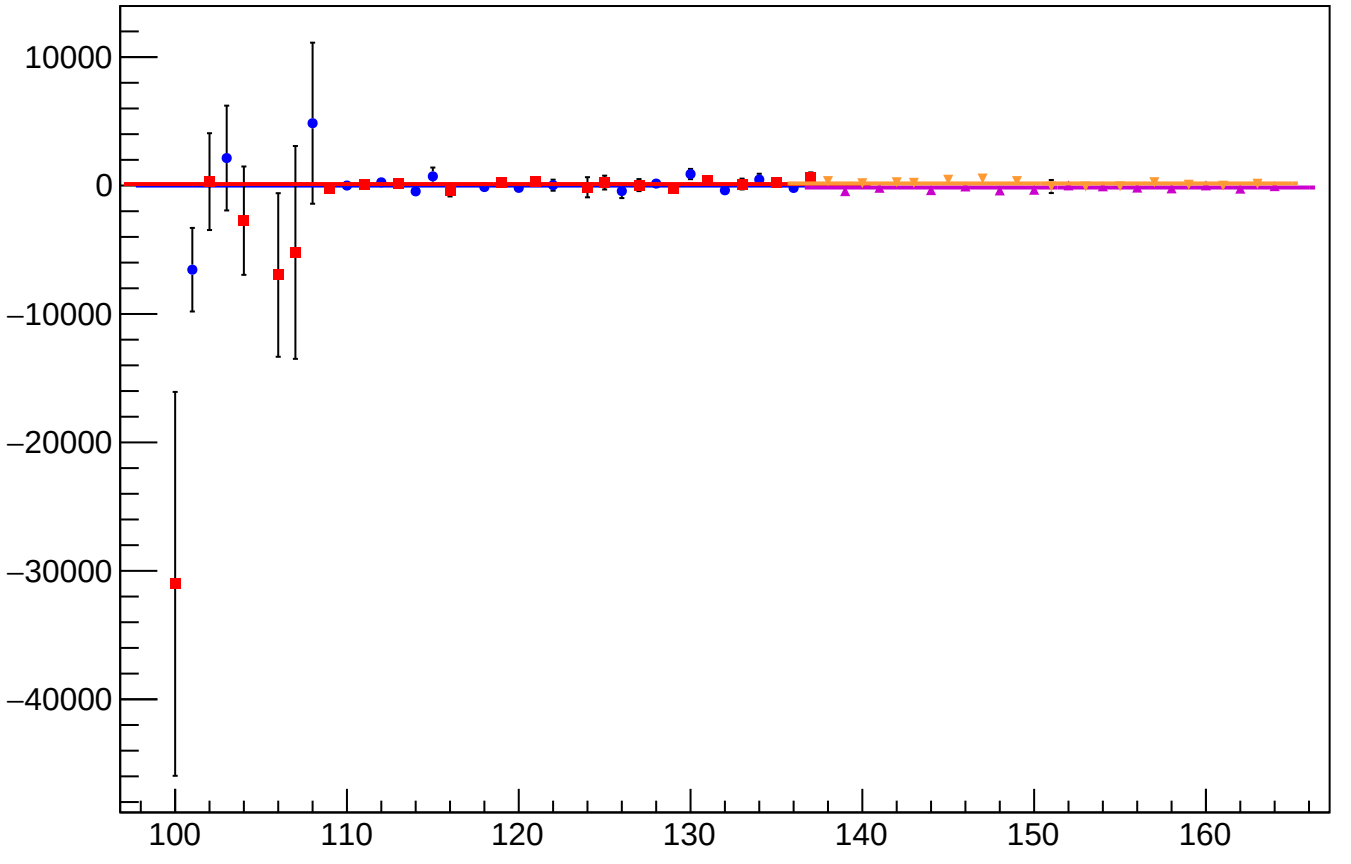
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

+ sign 28.868+/-0.005 χ^2/NDF: 3343433.6/29

All: 28.778+/-0.004 χ^2/NDF: 7017390.6/61

- 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: 163.240+/-71.949 χ^2/NDF:5.8/13

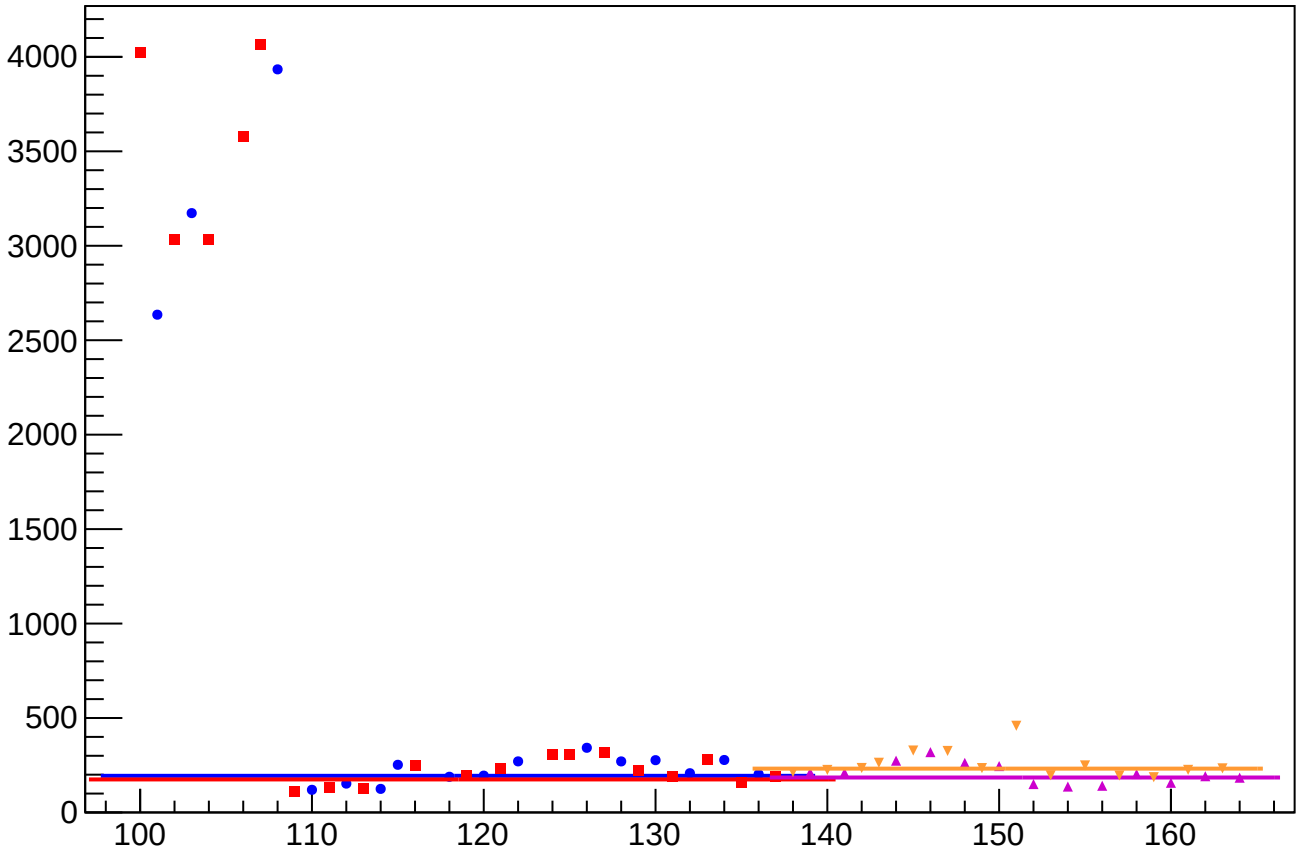
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -153.416+/-59.351 χ^2/NDF:5.4/12

+ sign 94.415+/-55.053 χ^2/NDF: 26.2/29

All: 7.967+/-35.938 χ^2/NDF: 57.2/61

- 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: 232.038+/-0.051 χ^2/NDF:908951.5/13

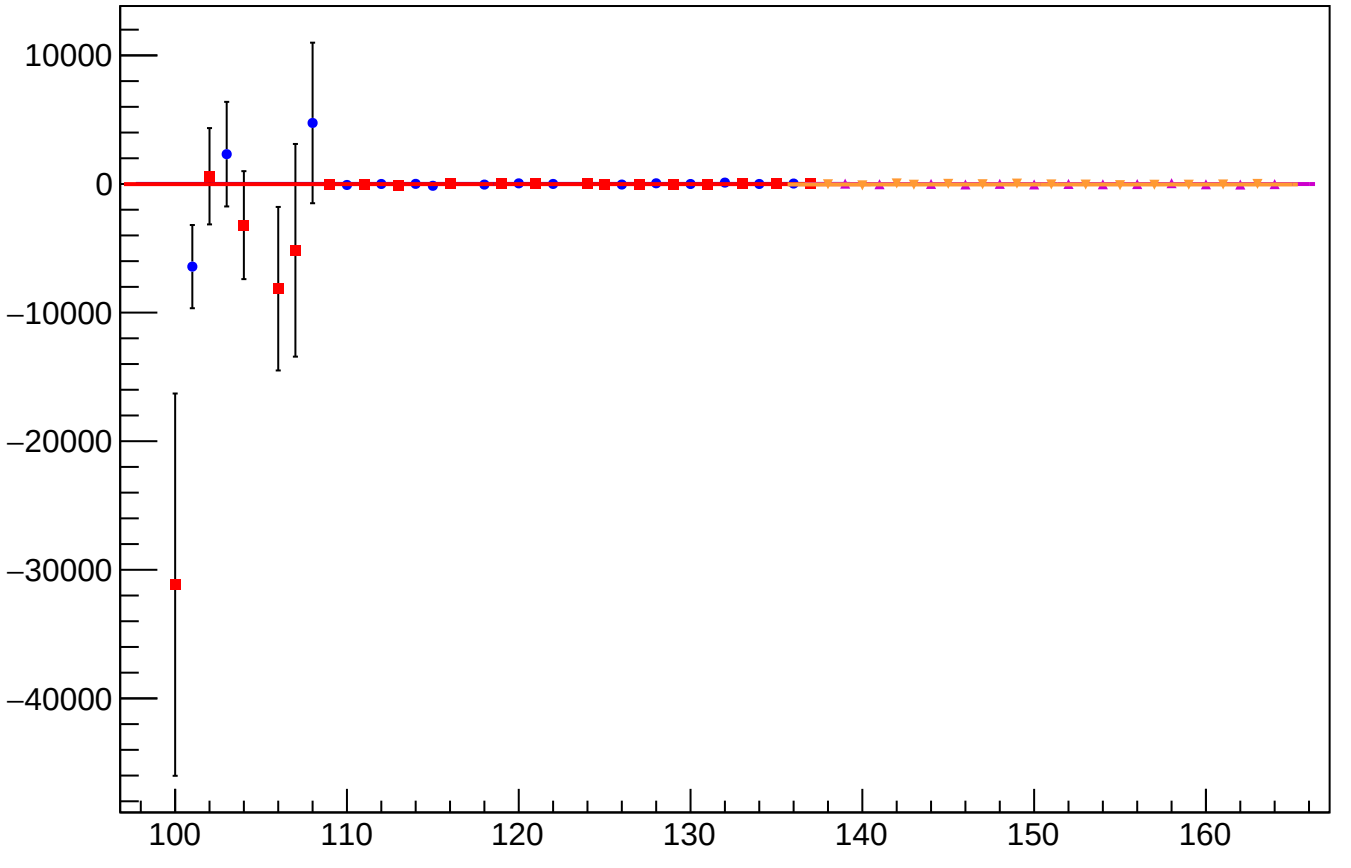
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.993+/-0.042 χ^2/NDF:1274064.1/12

+ sign 216.248+/-0.039 χ^2/NDF: 4925787.5/29

All: 196.196+/-0.025 χ^2/NDF: 10942919.1/61

- 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: -35.109+/-10.398 χ^2/NDF:14.4/13

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

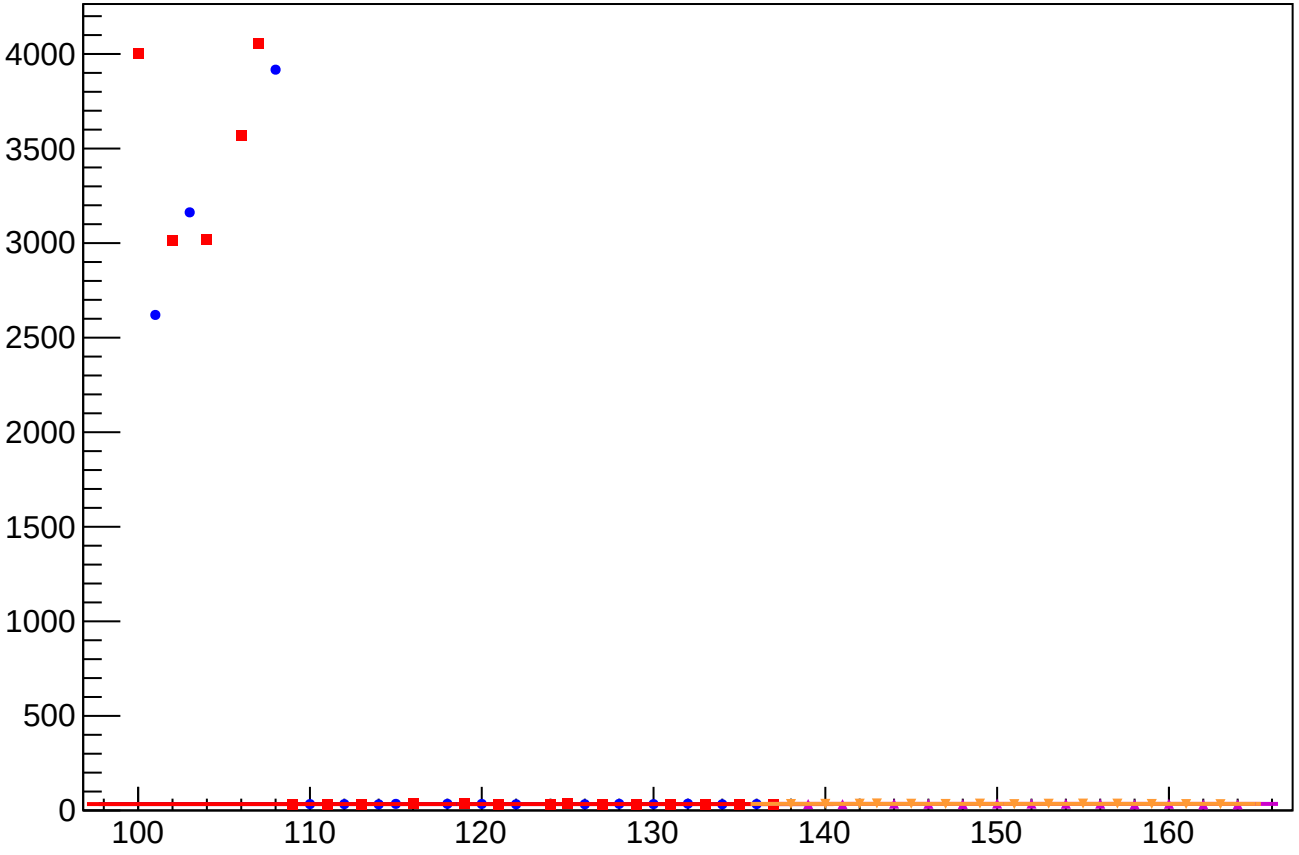
Left In: -3.214+/-10.476 χ^2/NDF:7.8/12

+ sign -21.016+/-8.411 χ^2/NDF: 37.2/29

All: -13.348+/-5.971 χ^2/NDF: 70.3/61

- 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: 34.756+/-0.007 χ^2/NDF:24900.3/13

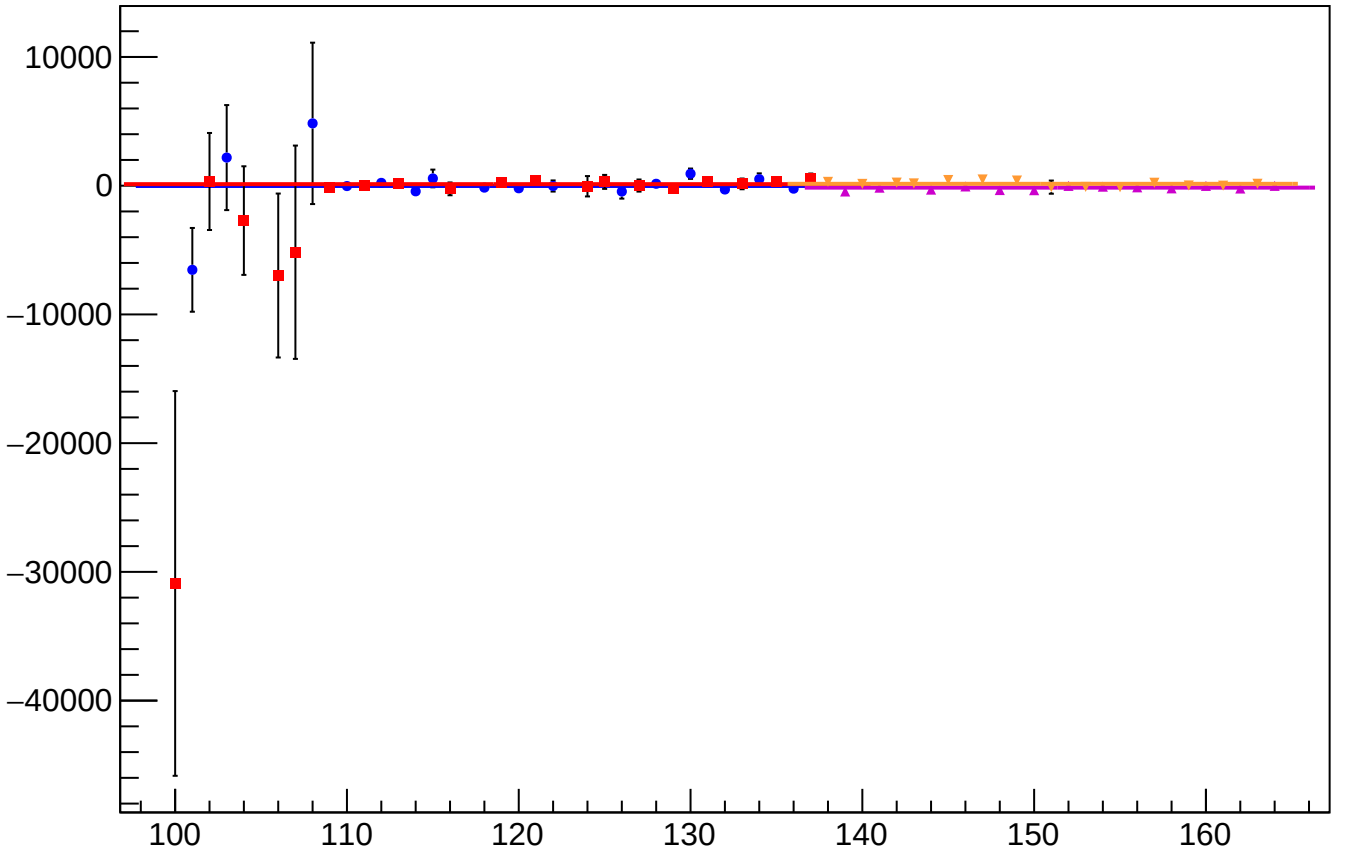
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.623+/-0.007 χ^2/NDF:41952.7/12

+ sign 34.460+/-0.006 χ^2/NDF: 3273978.4/29

All: 34.387+/-0.004 χ^2/NDF: 6847751.5/61

- 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: 145.527+/-71.760 χ^2/NDF:6.1/13

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

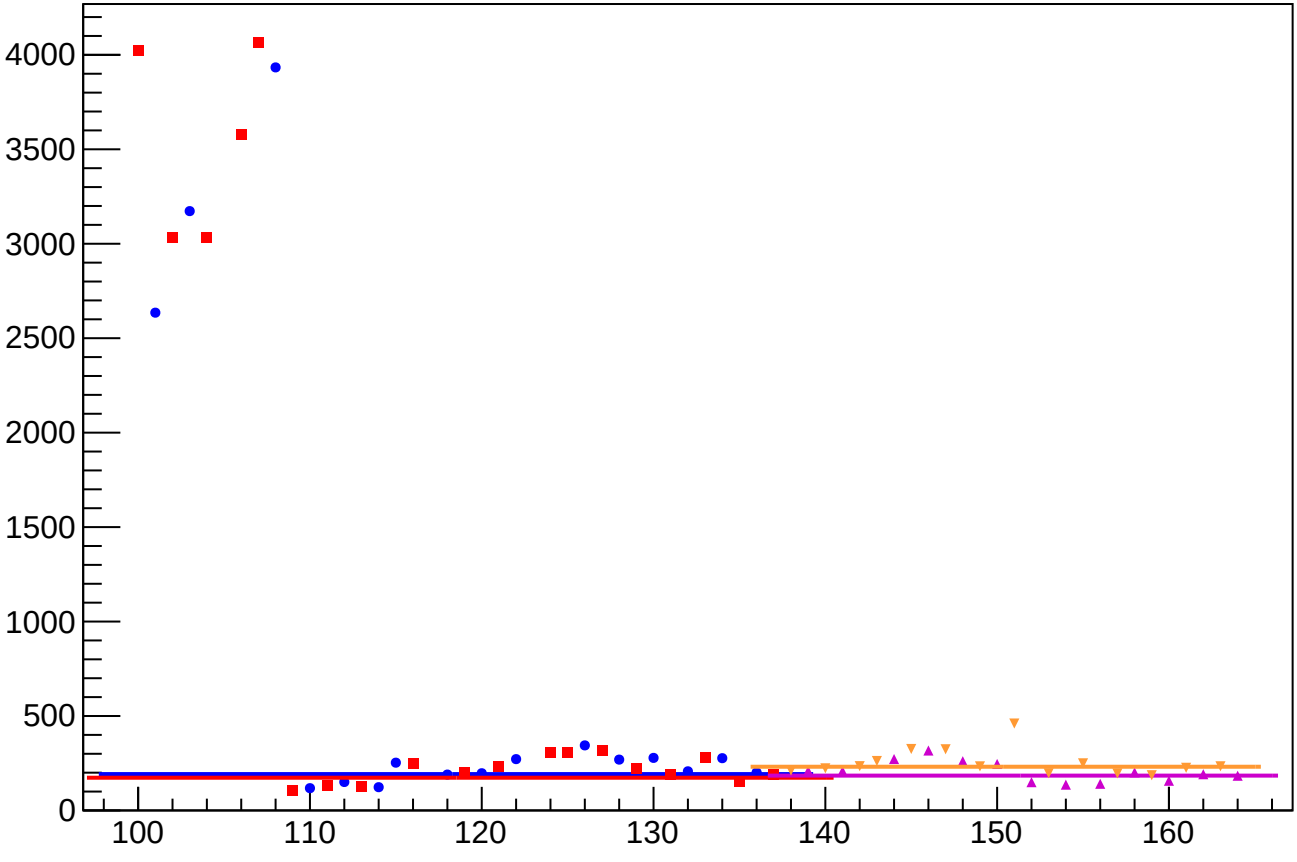
Left In: -149.850+/-59.170 χ^2/NDF:4.8/12

+ sign 76.903+/-54.849 χ^2/NDF: 26.5/29

All: 2.876+/-35.795 χ^2/NDF: 55.3/61

- sign -52.038+/-47.241 χ^2/NDF: 25.6/31

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.427+/-0.051 χ^2/NDF:904437.4/13

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

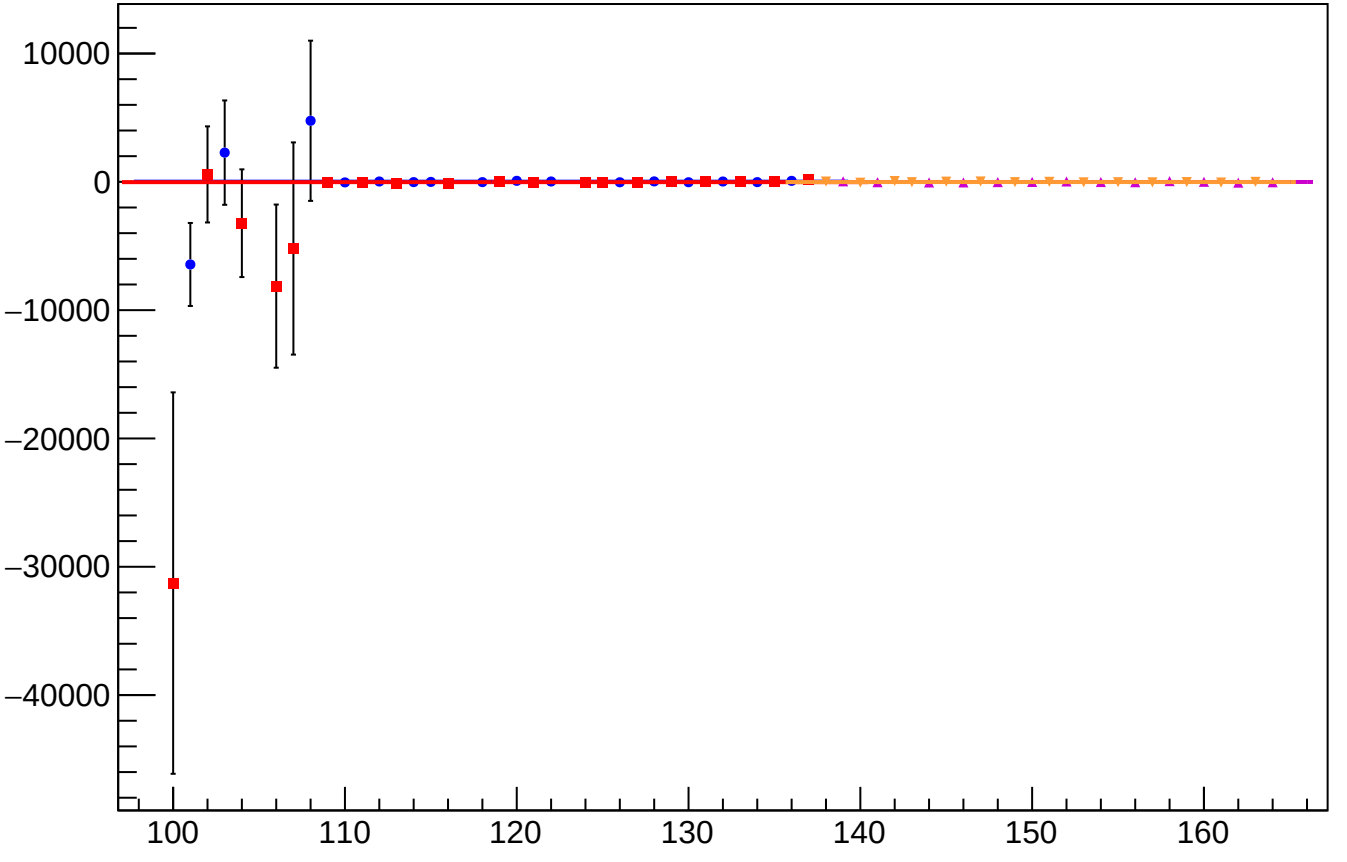
Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

+ sign 215.267+/-0.039 χ^2/NDF: 4971175.8/29

All: 195.242+/-0.025 χ^2/NDF: 11028523.6/61

- 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: -15.823+/-9.439 χ^2/NDF:11.6/13

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

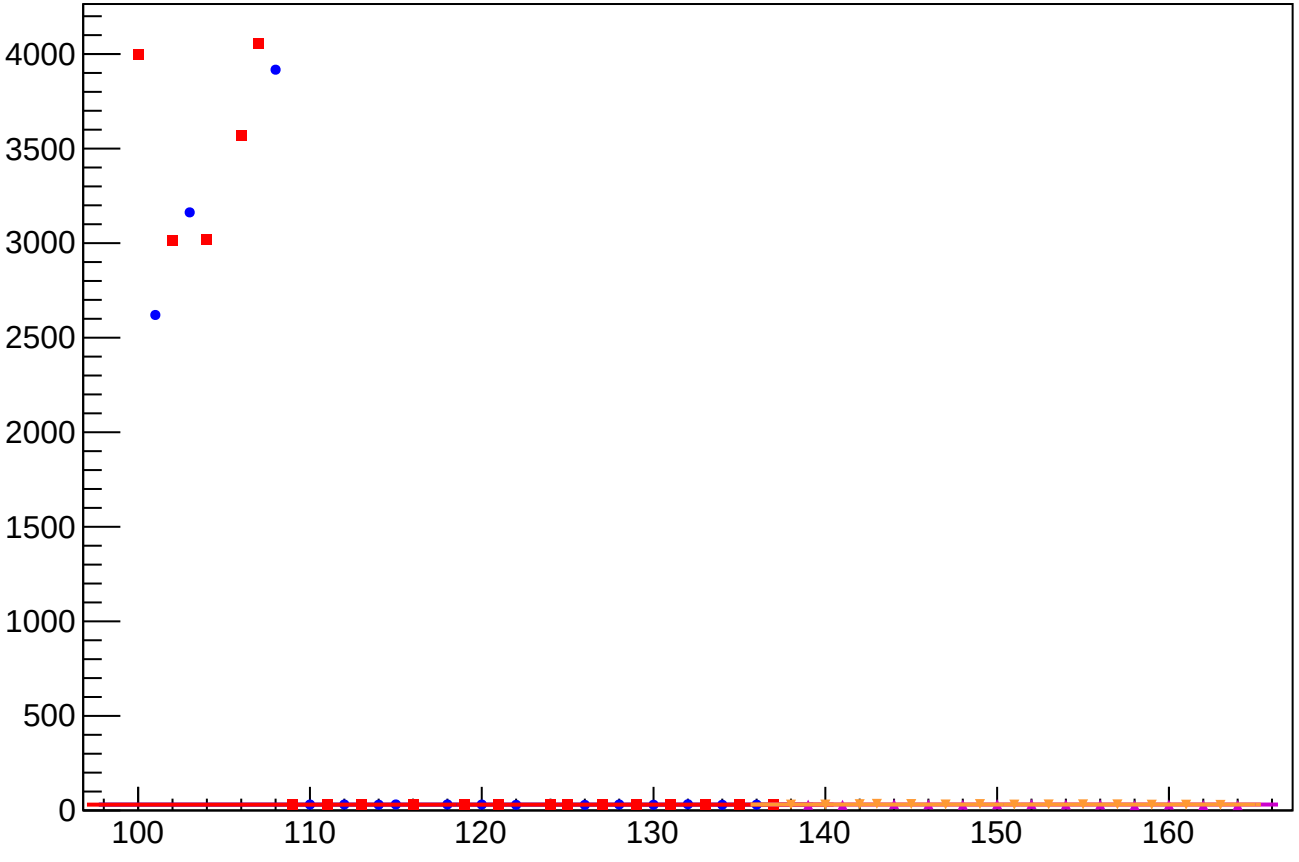
Left In: -10.555+/-9.487 χ^2/NDF:14.0/12

+ sign -5.691+/-7.650 χ^2/NDF: 30.4/29

All: -10.256+/-5.427 χ^2/NDF: 74.4/61

- 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: 31.518+/-0.007 χ^2/NDF:46484.0/13

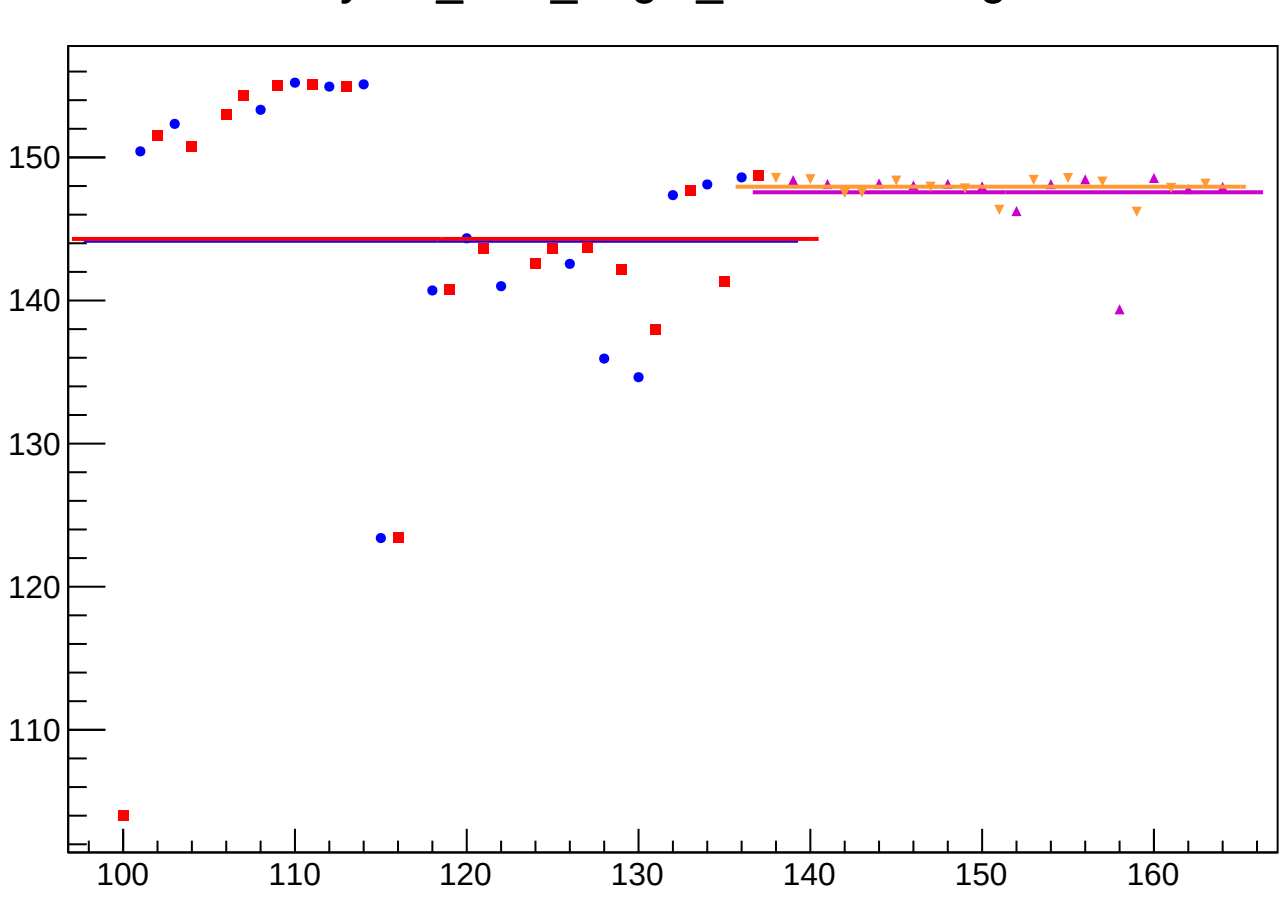
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

+ sign 31.316+/-0.005 χ^2/NDF: 3301769.7/29

All: 31.220+/-0.004 χ^2/NDF: 6915644.5/61

- 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: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

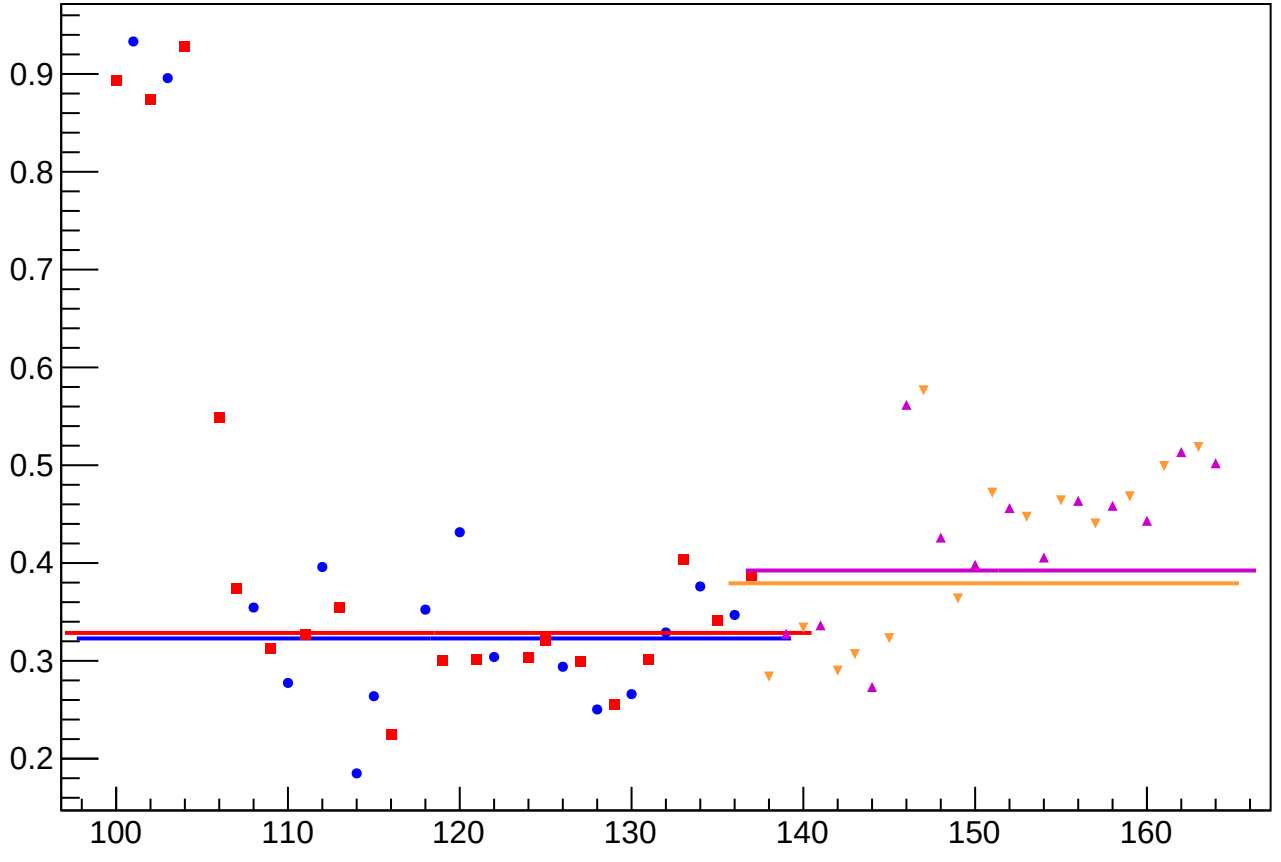
Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

+ sign 146.268+/-0.000 χ^2/NDF: 4208291092.1/29

All: 146.162+/-0.000 χ^2/NDF: 9081917146.2

- 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: 0.379+/-0.000 χ^2/NDF:1045937.6/13

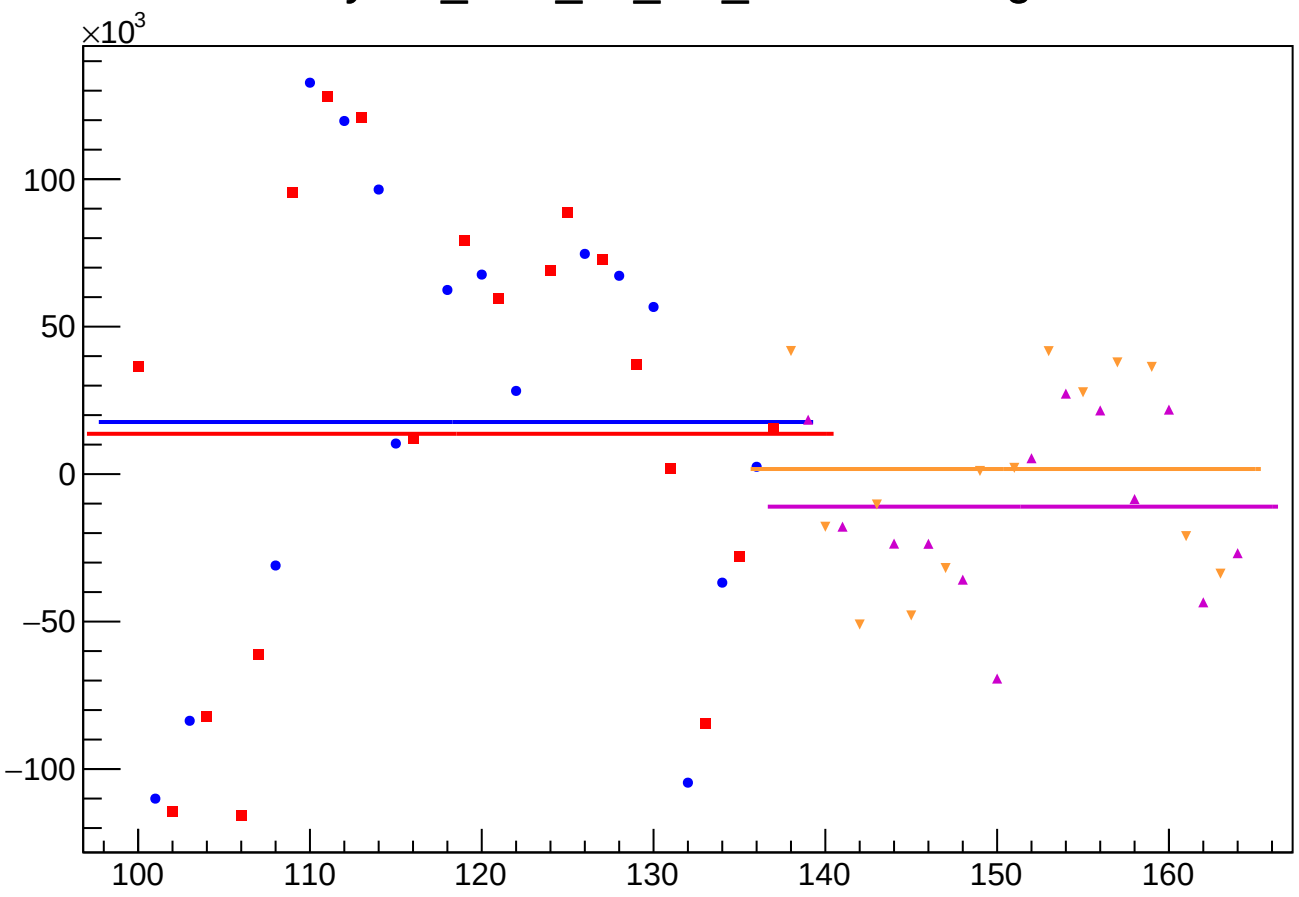
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

+ sign 0.354+/-0.000 χ^2/NDF: 2643045.5/29

All: 0.358+/-0.000 χ^2/NDF: 5075947.8/61

- 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: 1728.124+/-1.476 χ^2/NDF:467211602.1/13

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

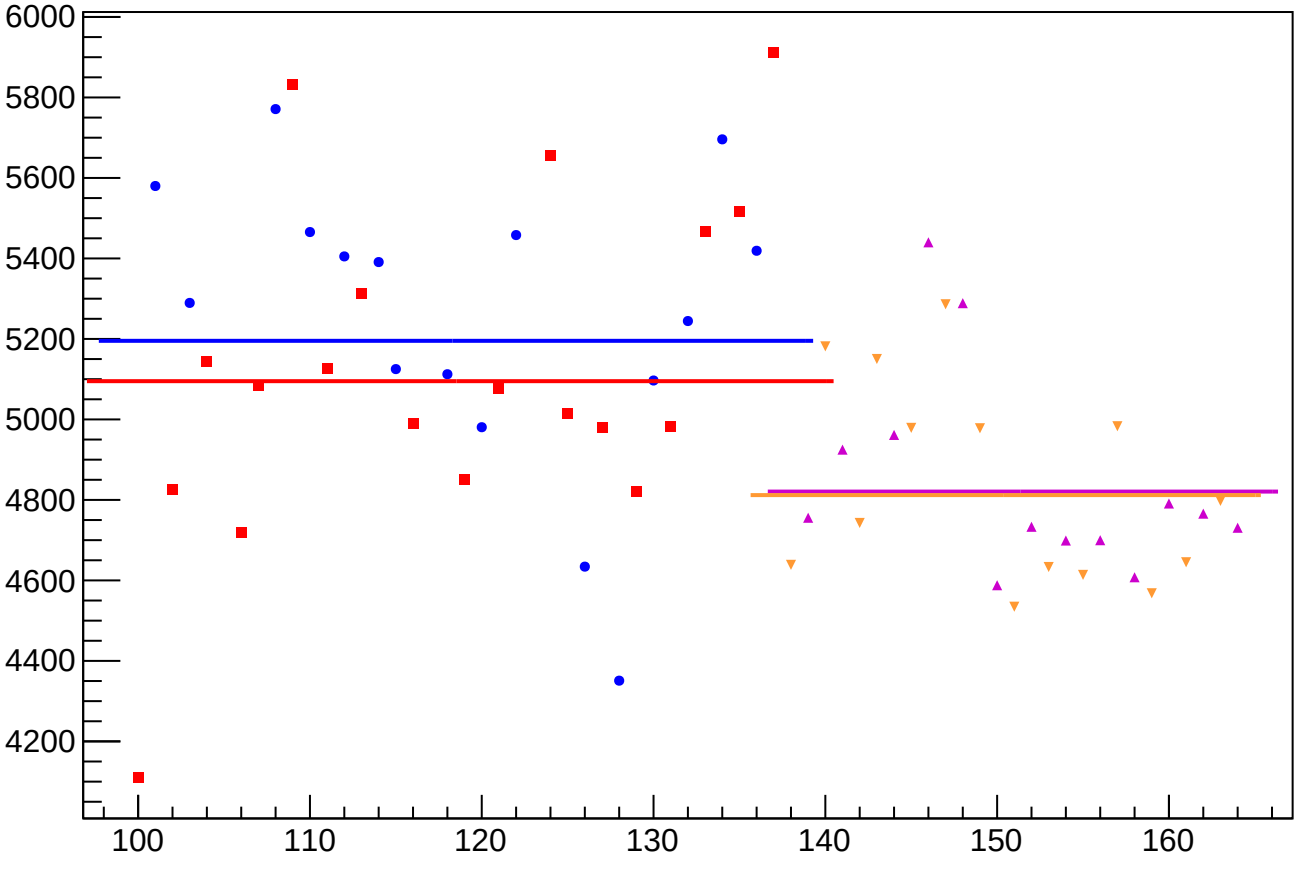
Left In: -11032.865+/-1.497 χ^2/NDF:384706925.5/12

+ sign 7325.946+/-1.189 χ^2/NDF: 1906908791.2/29

All: 2771.966+/-0.838 χ^2/NDF: 4280373127.

- 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: 4811.955+/-1.044 χ^2/NDF:52438.7/13

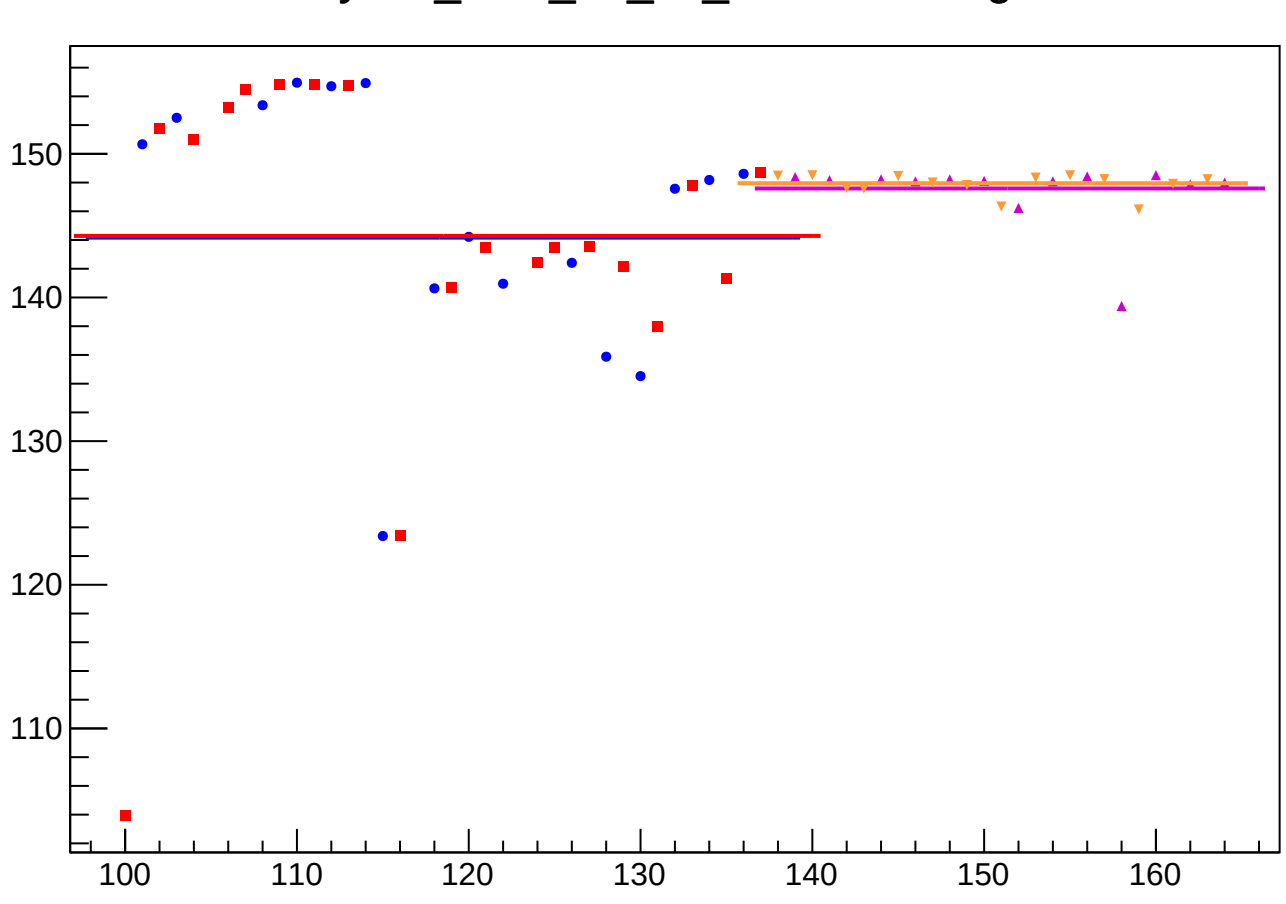
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4820.704+/-1.058 χ^2/NDF:46799.2/12

+ sign 4946.615+/-0.840 χ^2/NDF: 177008.1/29

All: 4935.271+/-0.593 χ^2/NDF: 308601.0/61

- 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:32789847.4/13

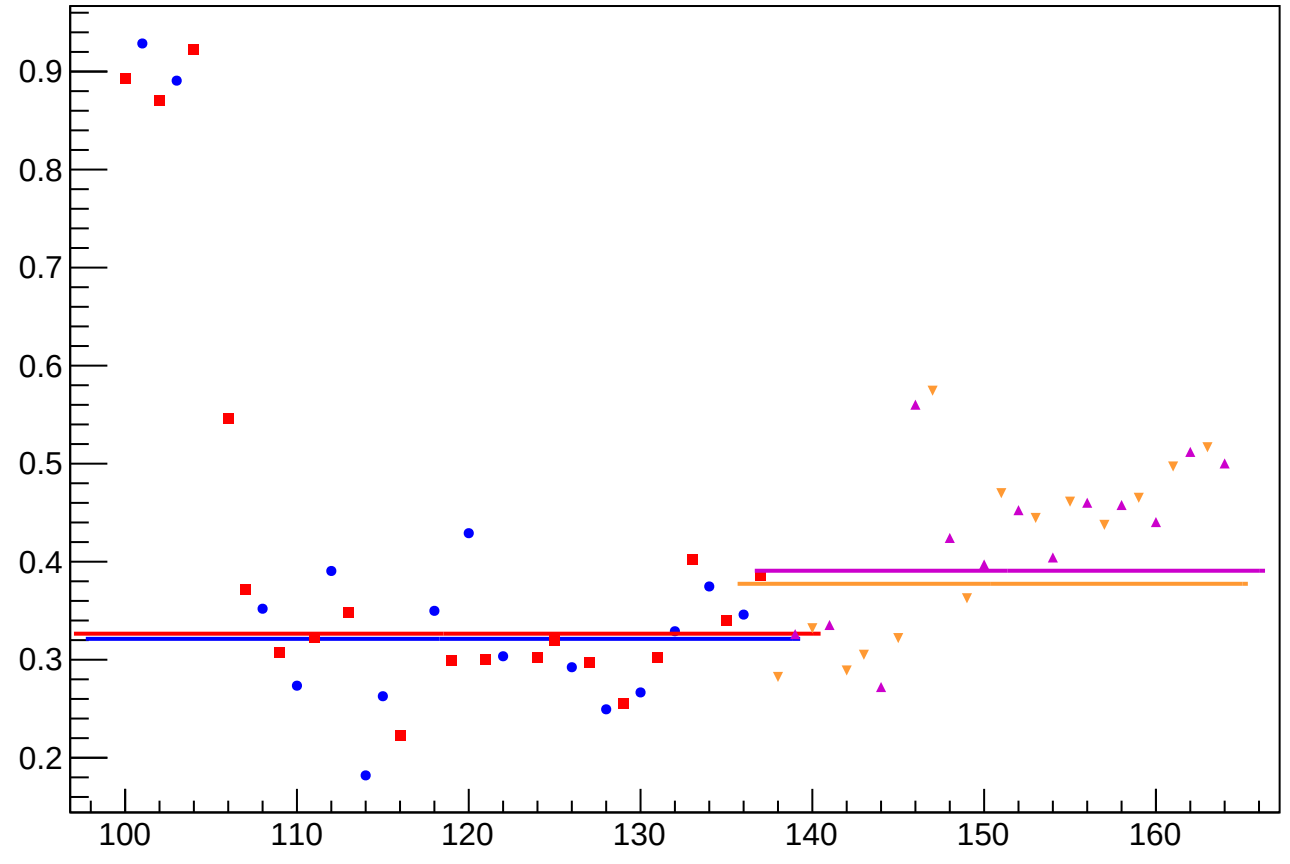
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.588+/-0.000 χ^2/NDF:285822610.8/12

+ sign 146.266+/-0.000 χ^2/NDF: 4254314153.5/29

All: 146.162+/-0.000 χ^2/NDF: 9166511696.0

- 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: 0.377+/-0.000 χ^2/NDF:1045464.9/13

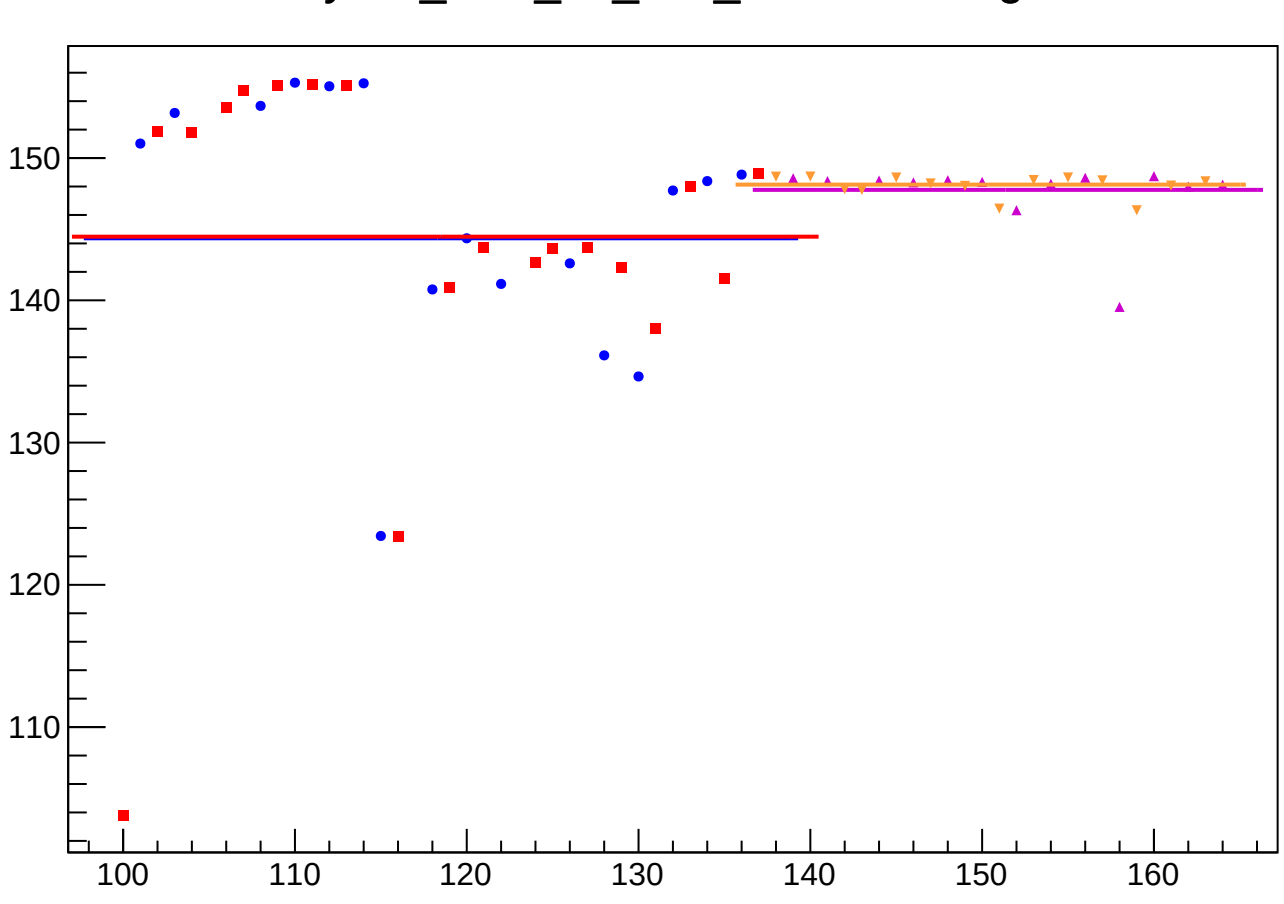
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.391+/-0.000 χ^2/NDF:871956.6/12

+ sign 0.352+/-0.000 χ^2/NDF: 2643041.5/29

All: 0.357+/-0.000 χ^2/NDF: 5079049.0/61

- 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: 148.134+/-0.000 χ^2/NDF:32766910.7/13

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

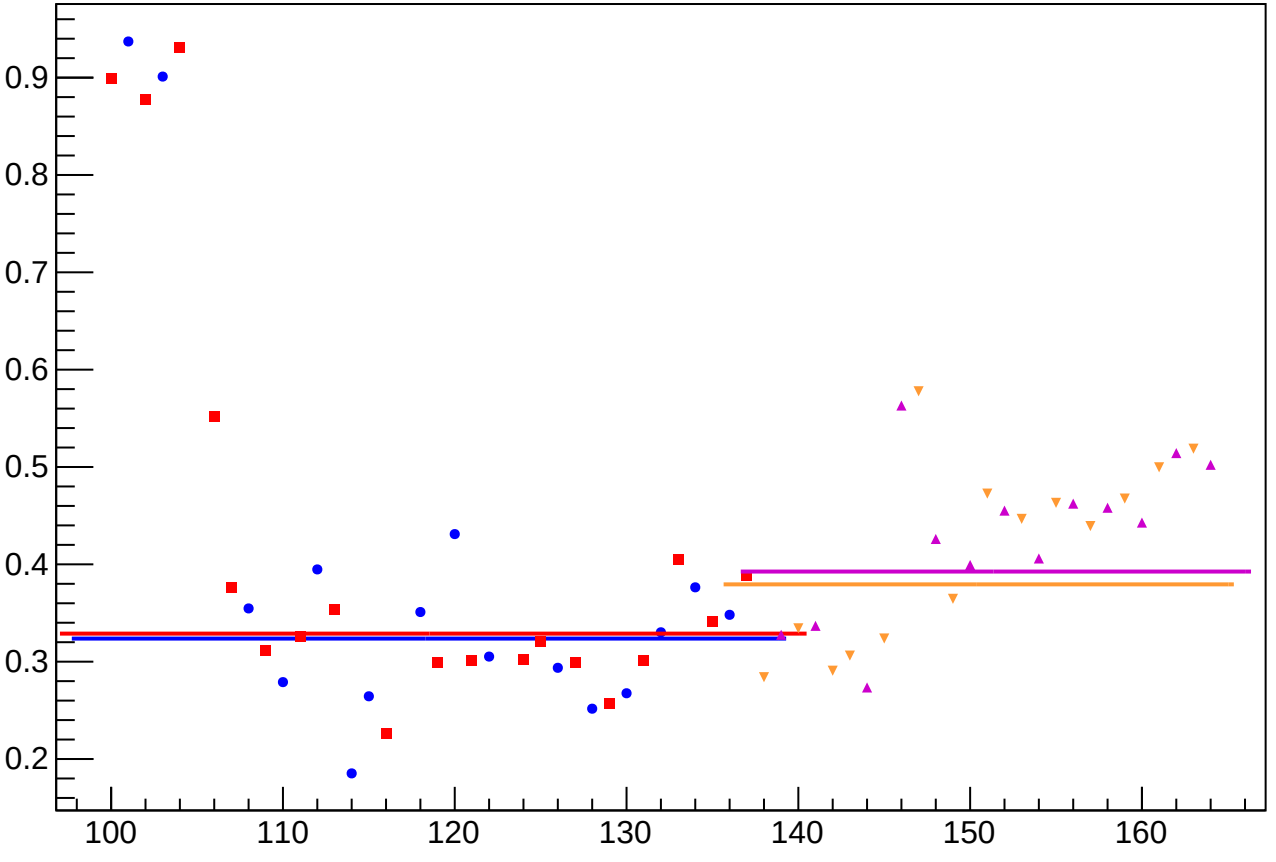
Left In: 147.764+/-0.000 χ^2/NDF:290041088.2/12

+ sign 146.454+/-0.000 χ^2/NDF: 4240035101.1/29

All: 146.349+/-0.000 χ^2/NDF: 9142054544.5

- 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: 0.379+/-0.000 χ^2/NDF:1043536.1/13

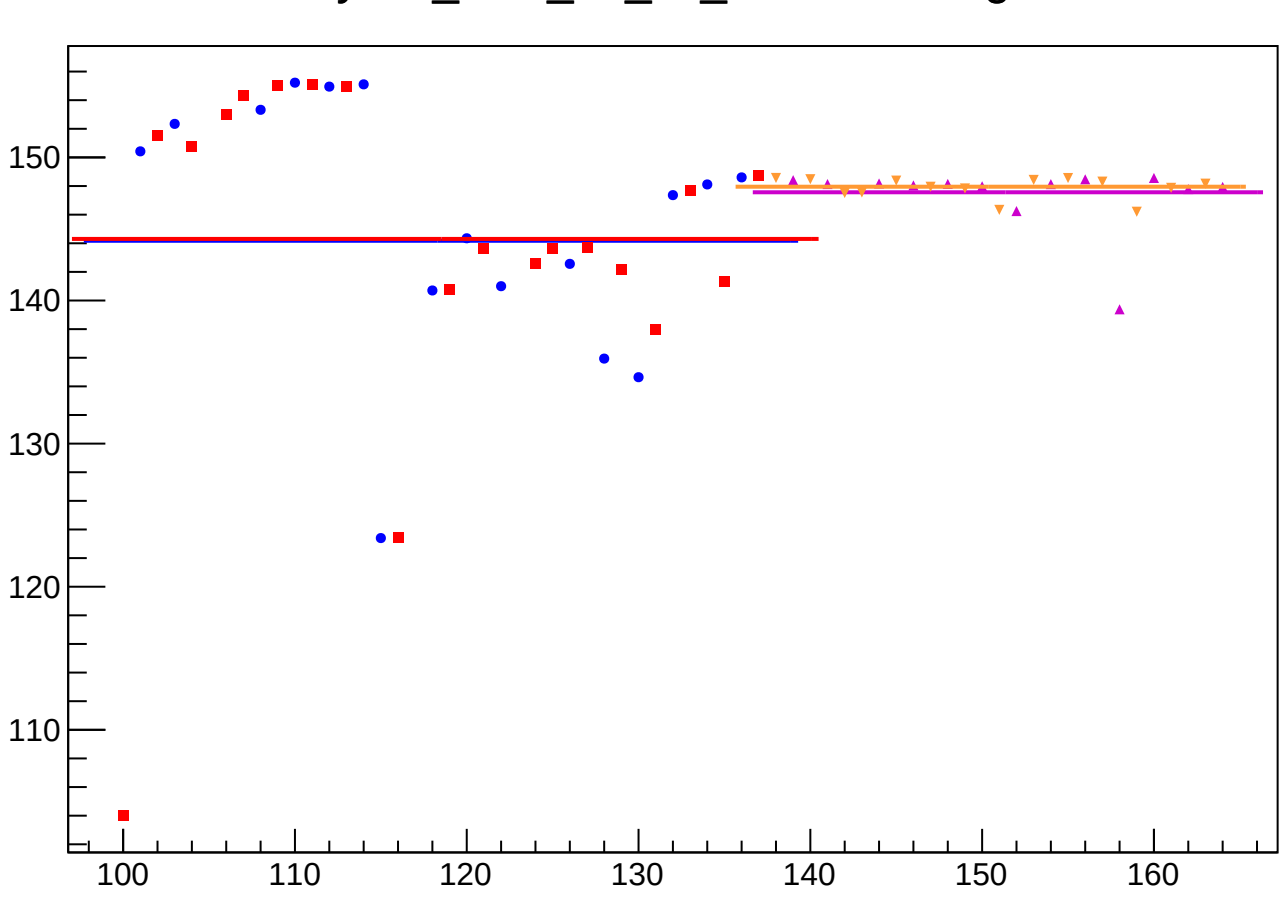
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.393+/-0.000 χ^2/NDF:870613.9/12

+ sign 0.355+/-0.000 χ^2/NDF: 2631497.8/29

All: 0.359+/-0.000 χ^2/NDF: 5059839.1/61

- 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: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

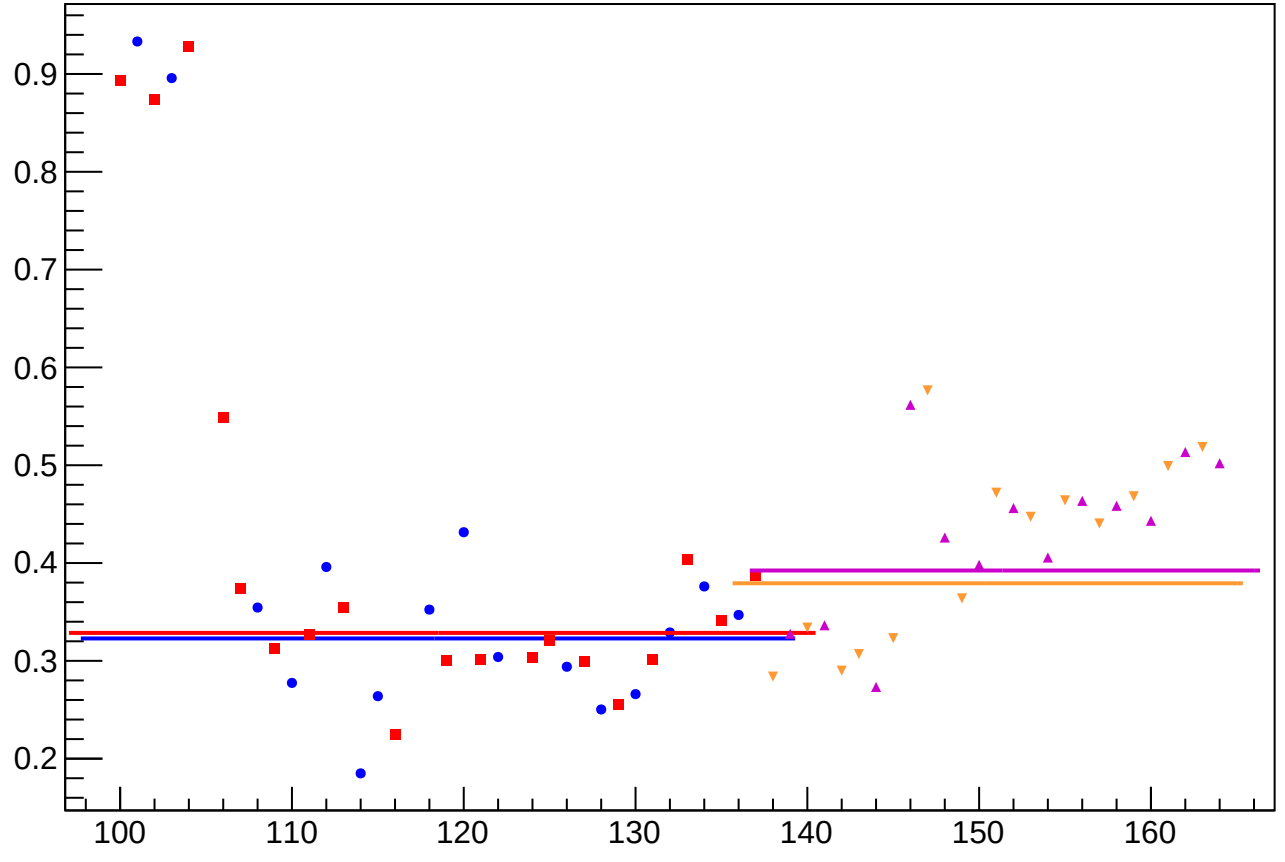
Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

+ sign 146.268+/-0.000 χ^2/NDF: 4208291092.1/29

All: 146.162+/-0.000 χ^2/NDF: 9081917146.2

- 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: 0.379+/-0.000 χ^2/NDF:1045937.6/13

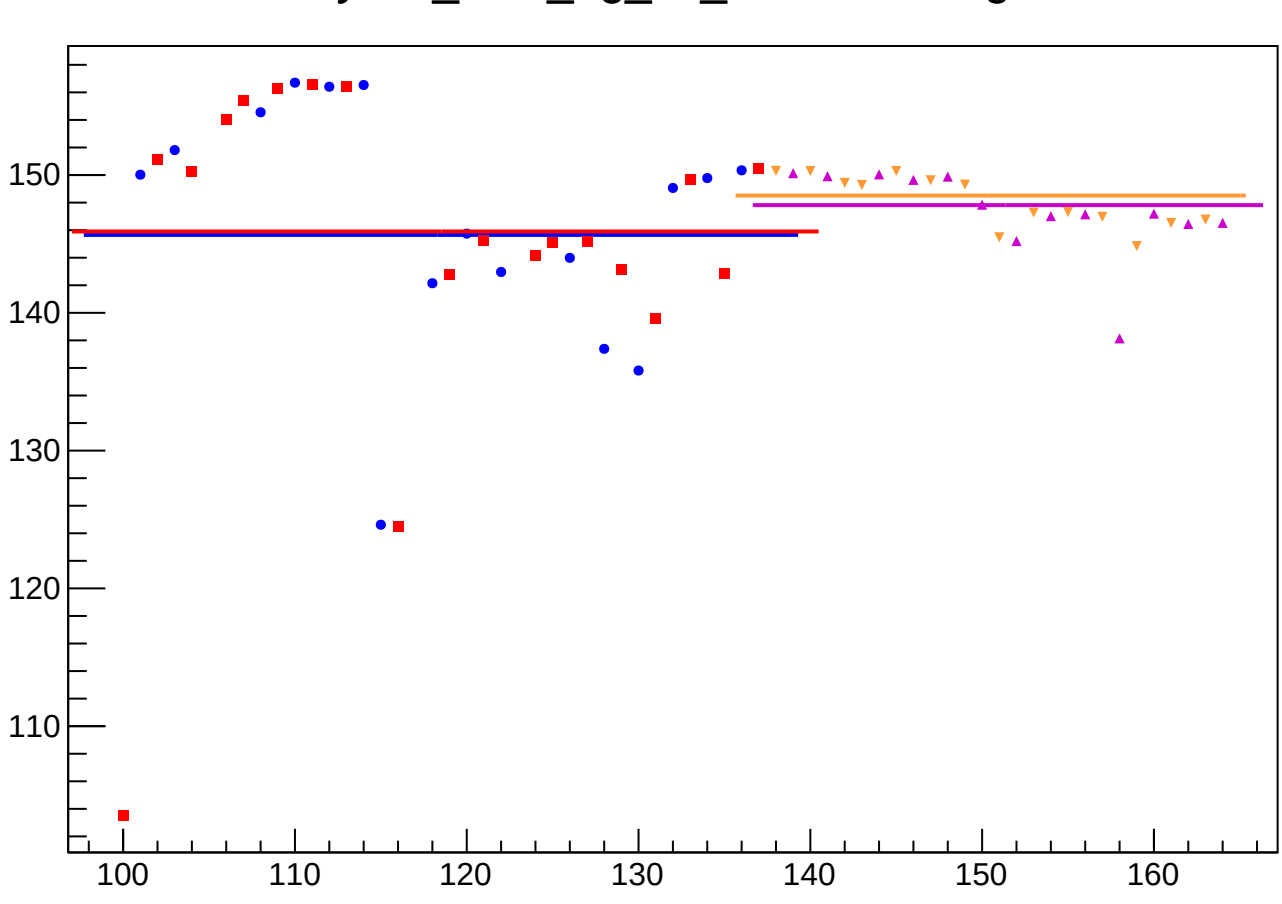
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

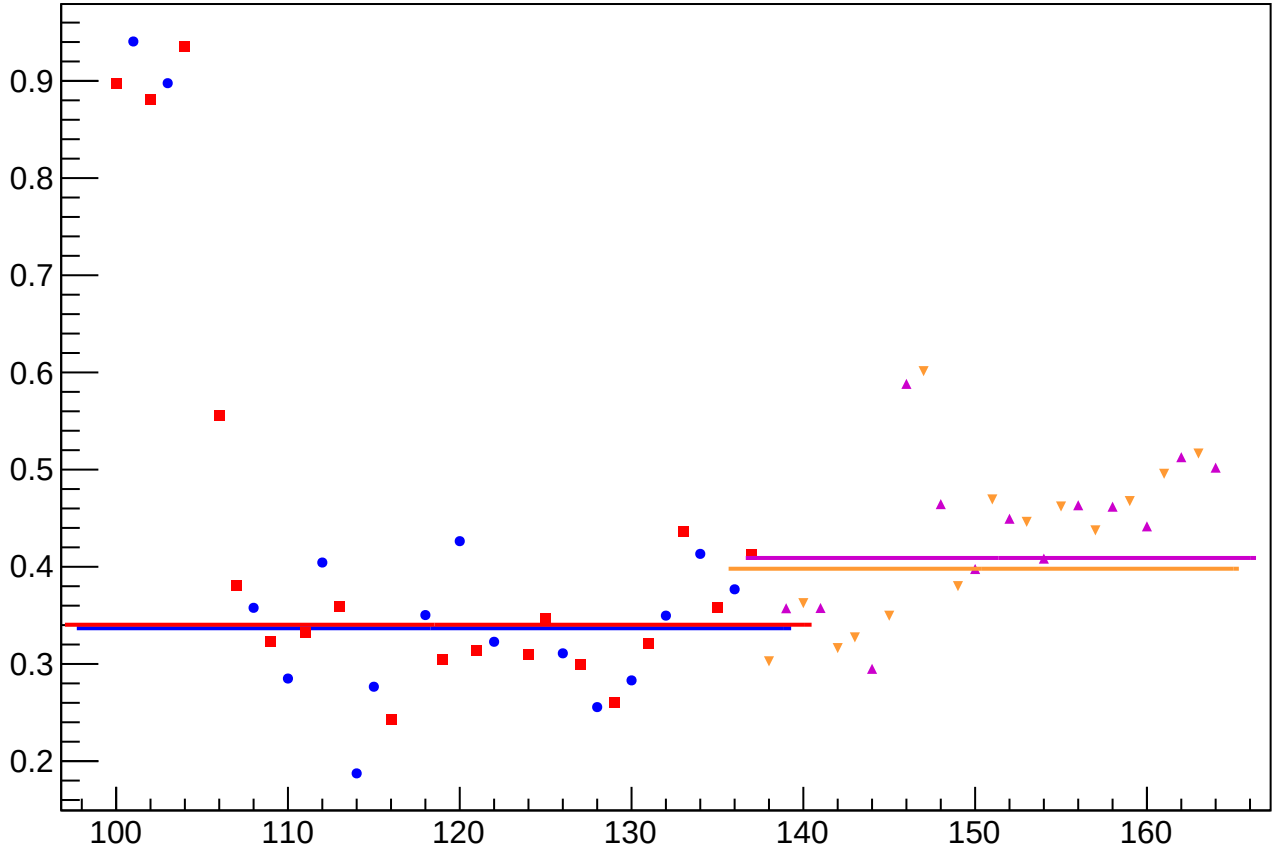
+ sign 0.354+/-0.000 χ^2/NDF: 2643045.5/29

All: 0.358+/-0.000 χ^2/NDF: 5075947.8/61

- sign 0.363+/-0.000 χ^2/NDF: 2423579.7/31


yield_bcm_dg_us_mean vs Slug
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 145.657+/-0.000 χ²/NDF: 3481495345.2/15
Left Out: 148.513+/-0.000 χ²/NDF:204954774.5/13
Right Out: 145.904+/-0.000 χ²/NDF: 3863011865.2/18
Left In: 147.816+/-0.000 χ²/NDF:528490335.0/12
+ sign 147.236+/-0.000 χ²/NDF: 3923084910.2/29
All: 147.085+/-0.000 χ²/NDF: 8422972778.6
- sign 146.928+/-0.000 χ²/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: 0.398+/-0.000 χ^2/NDF:780490.3/13

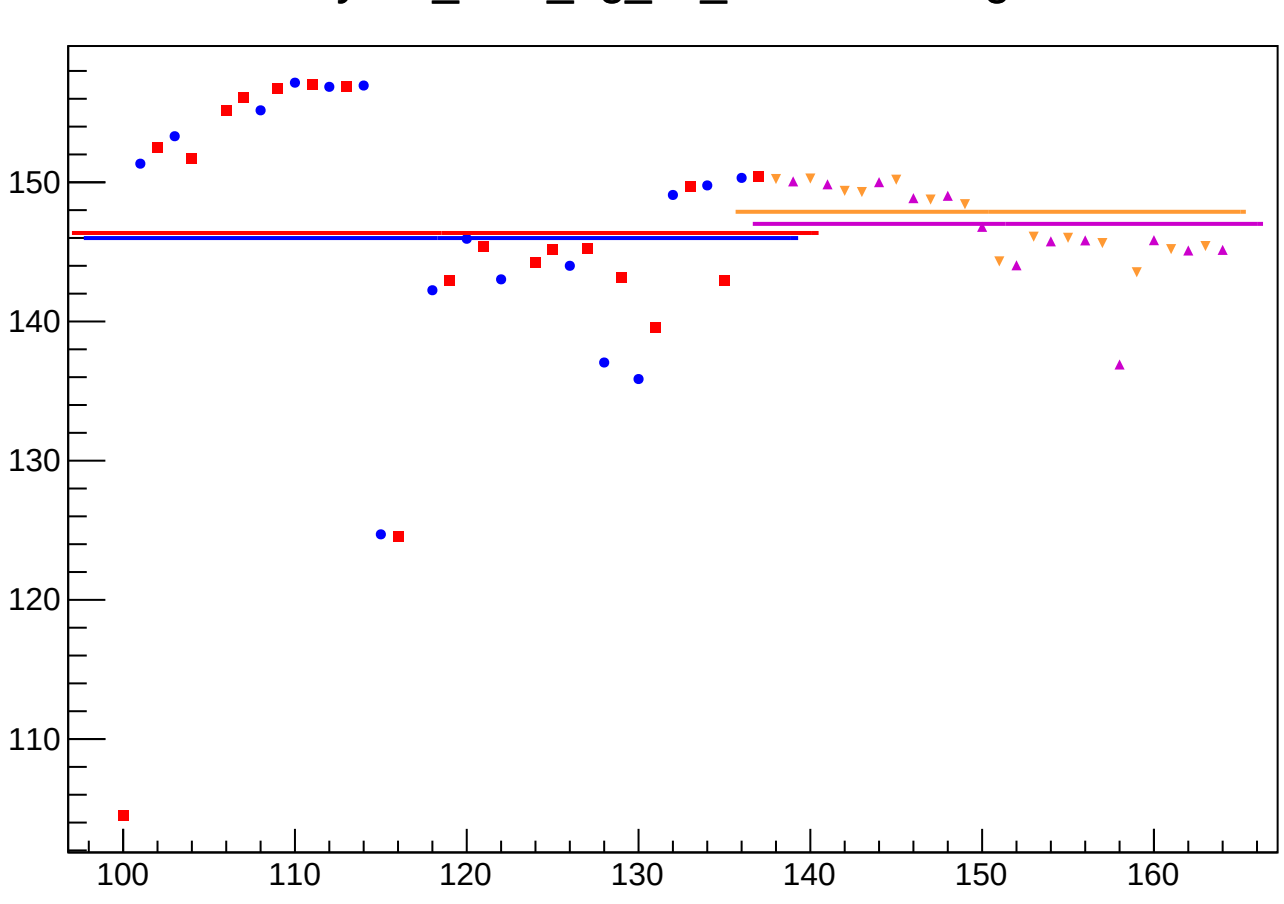
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.409+/-0.000 χ^2/NDF:675645.4/12

+ sign 0.371+/-0.000 χ^2/NDF: 2368683.6/29

All: 0.374+/-0.000 χ^2/NDF: 4589705.8/61

- 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: 147.881+/-0.000 χ^2/NDF:343710622.5/13

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

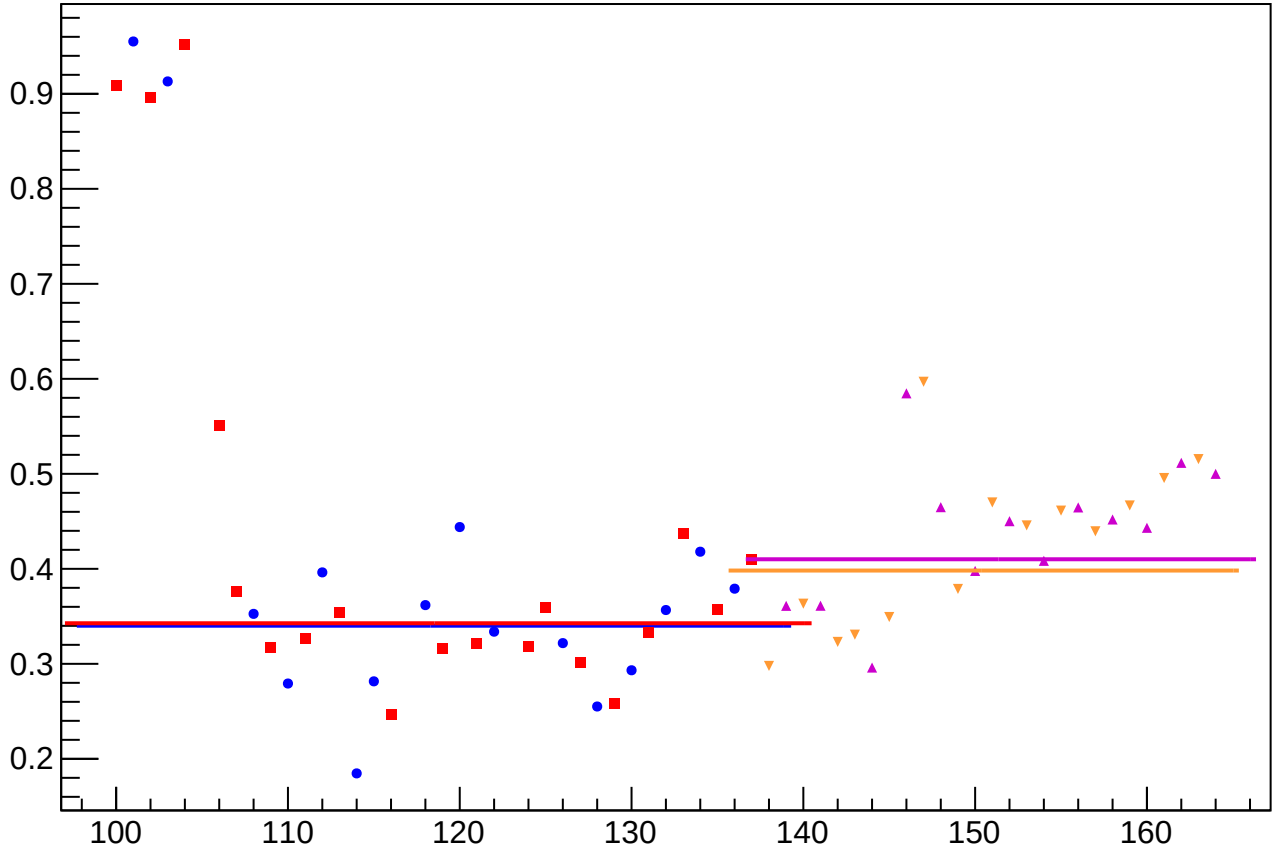
Left In: 147.013+/-0.000 χ^2/NDF:692231254.0/12

+ sign 147.047+/-0.000 χ^2/NDF: 4067356180.4/29

All: 146.882+/-0.000 χ^2/NDF: 8741080235.3

- 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: 0.398+/-0.000 χ^2/NDF:774607.2/13

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

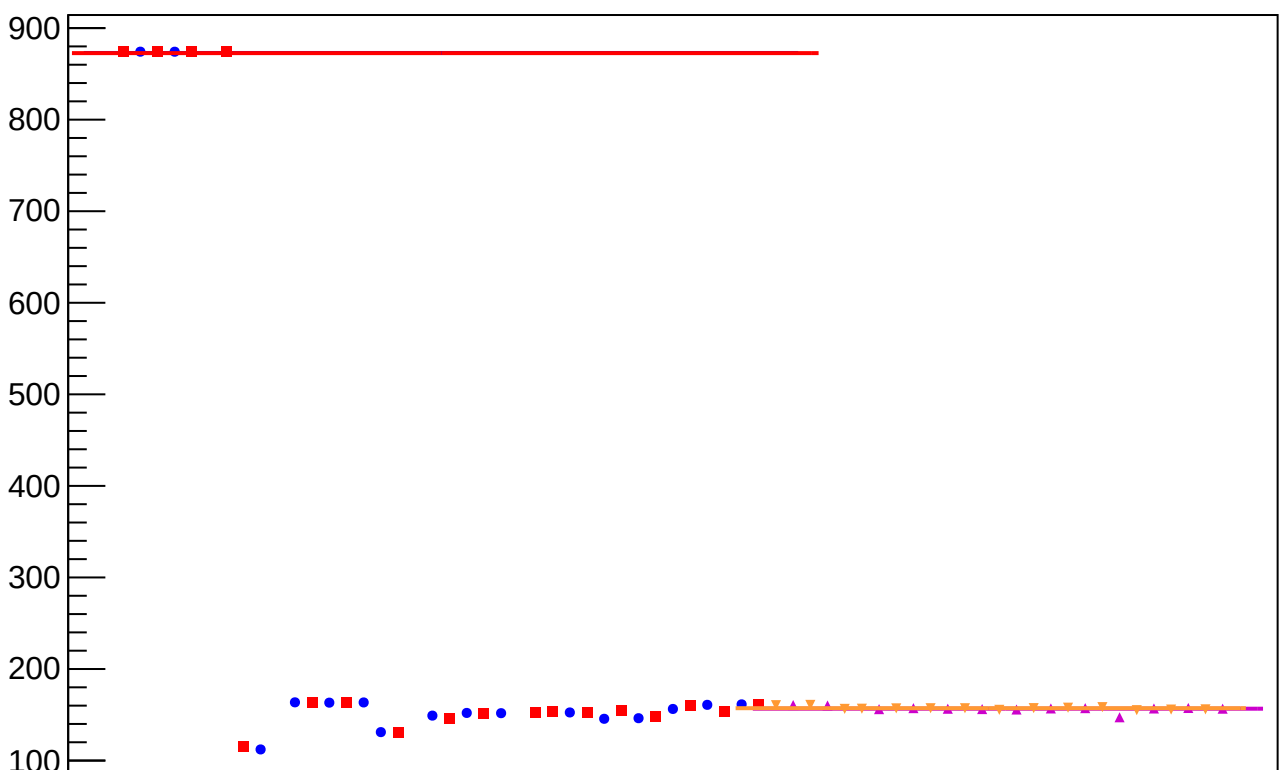
Left In: 0.410+/-0.000 χ^2/NDF:645329.1/12

+ sign 0.373+/-0.000 χ^2/NDF: 2360529.9/29

All: 0.376+/-0.000 χ^2/NDF: 4533968.7/61

- sign 0.379+/-0.000 χ^2/NDF: 2168750.7/31

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.200+/-0.000 χ^2/NDF:61338692.8/13

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

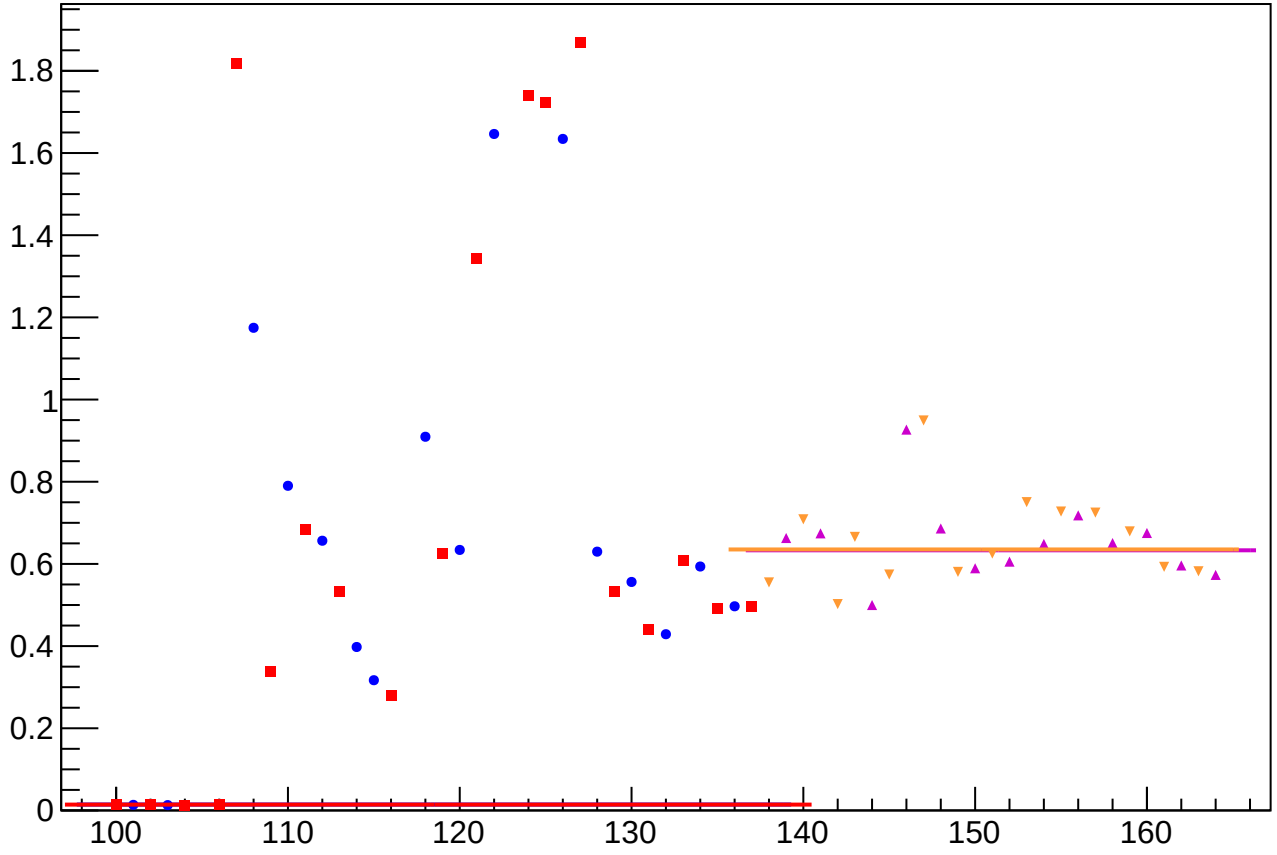
Left In: 156.650+/-0.000 χ^2/NDF:165669810.0/12

+ sign 870.911+/-0.000 χ^2/NDF: 16932258898697.

All: 870.968+/-0.000 χ^2/NDF: 358503059414

- 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: 0.635+/-0.000 χ^2/NDF:299474.8/13

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

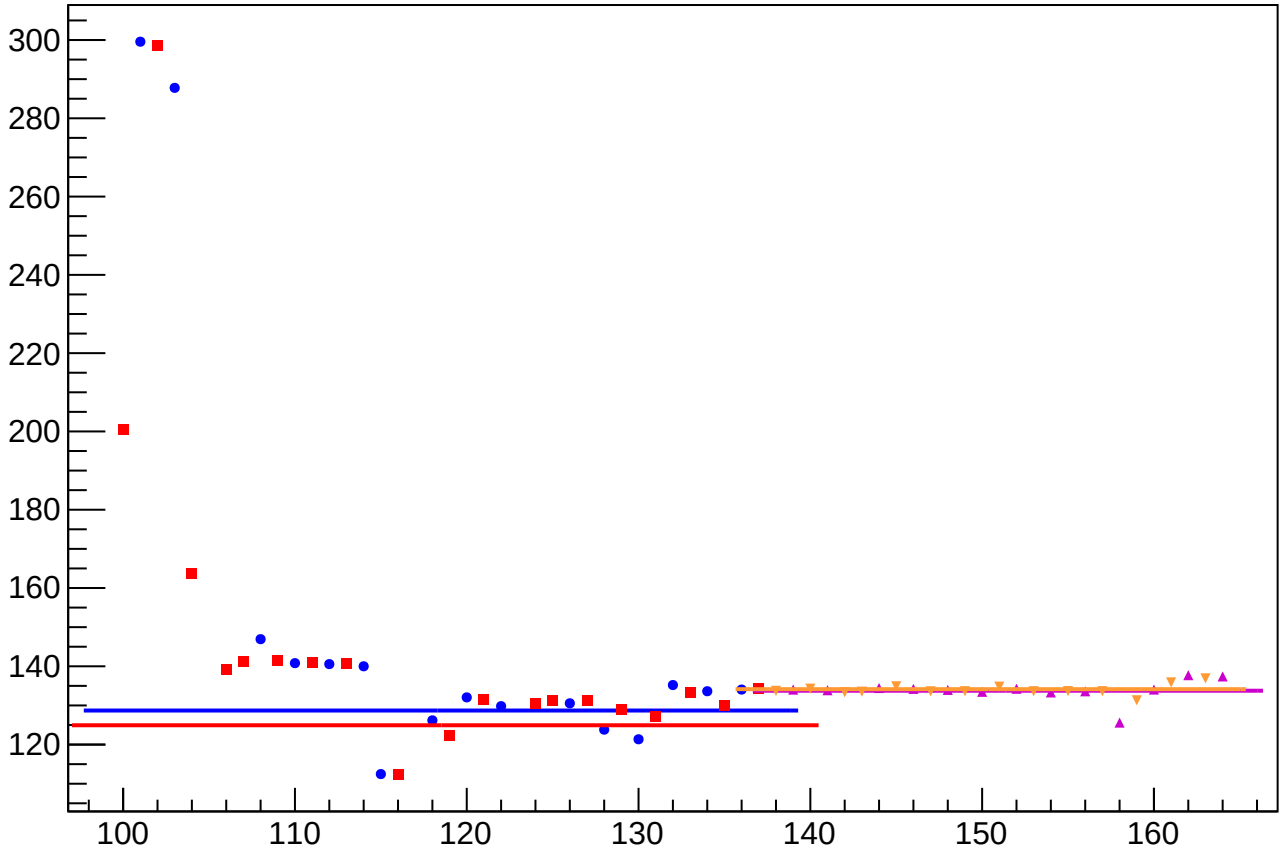
Left In: 0.633+/-0.000 χ^2/NDF:243397.9/12

+ sign 0.016+/-0.000 χ^2/NDF: 24582737.3/29

All: 0.016+/-0.000 χ^2/NDF: 48806132.5/61

- 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: 134.156+/-0.000 χ^2/NDF:80140272.3/13

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

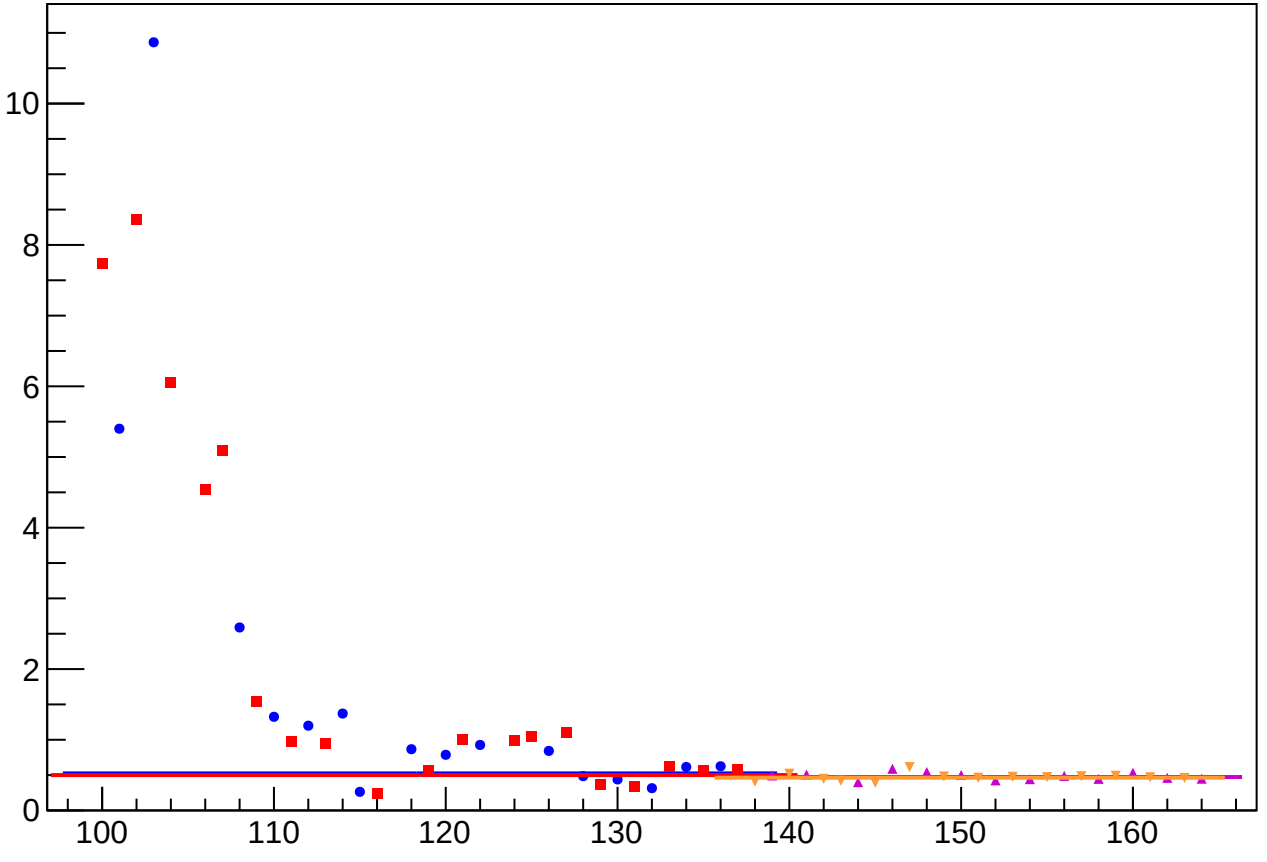
Left In: 133.760+/-0.000 χ^2/NDF:358584209.9/12

+ sign 132.918+/-0.000 χ^2/NDF: 2043790933.9/29

All: 132.262+/-0.000 χ^2/NDF: 4674874340.7

- 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: 0.463+/-0.000 χ^2/NDF:195329.0/13

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

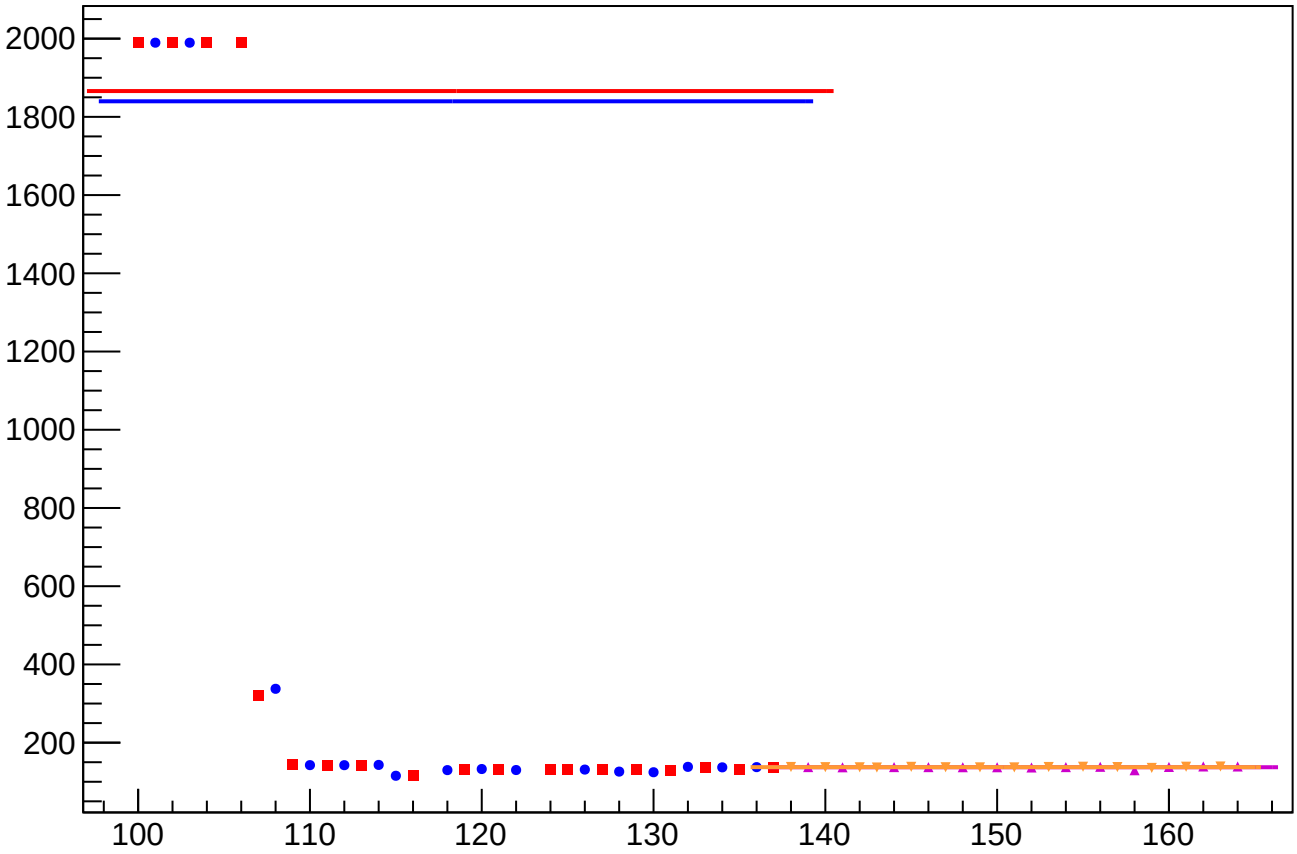
Left In: 0.473+/-0.000 χ^2/NDF:214127.8/12

+ sign 0.477+/-0.000 χ^2/NDF: 4409919.8/29

All: 0.478+/-0.000 χ^2/NDF: 9524493.0/61

- sign 0.480+/-0.000 χ^2/NDF: 5114123.7/31

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.375+/-0.000 χ^2/NDF:49391510.6/13

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

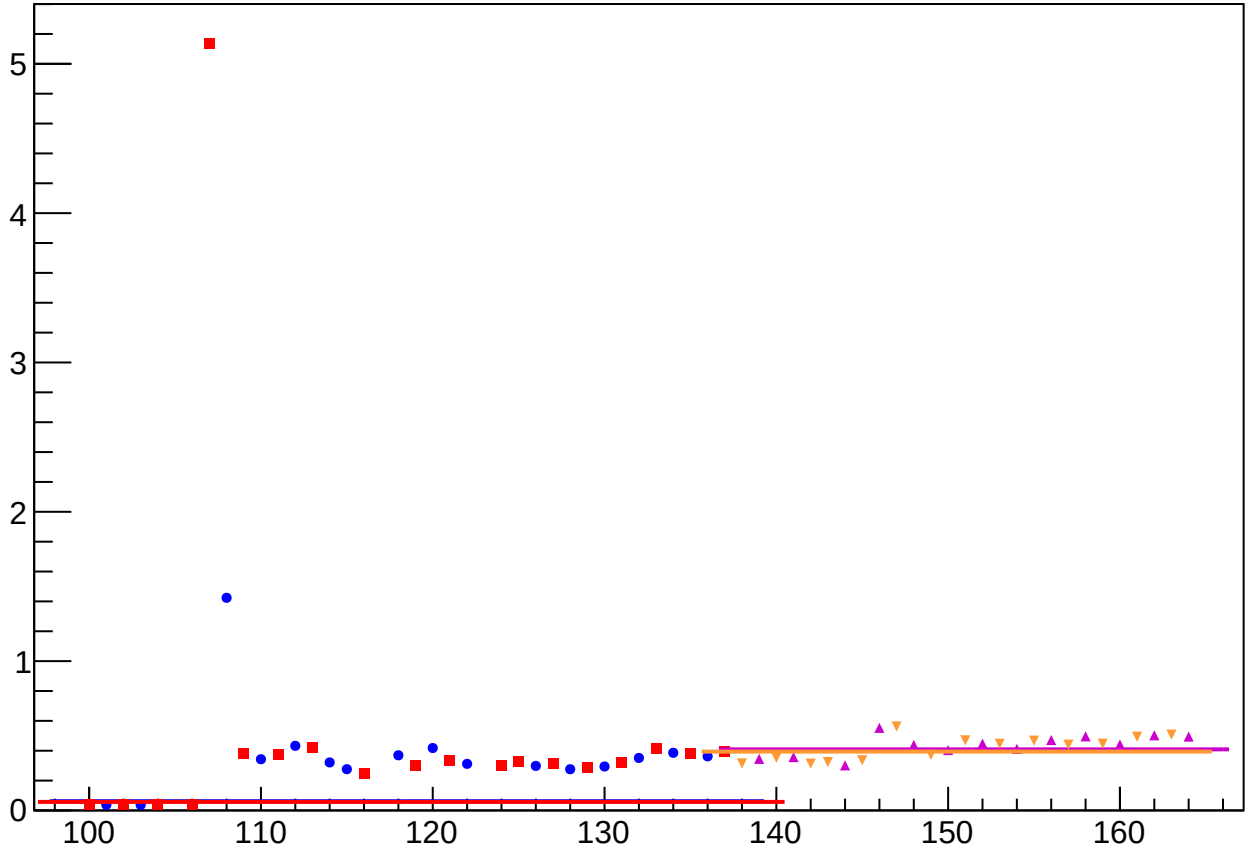
Left In: 137.166+/-0.000 χ^2/NDF:225536109.9/12

+ sign 1660.979+/-0.000 χ^2/NDF: 3195207309477

All: 1692.872+/-0.000 χ^2/NDF: 630599108

- 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: 0.394+/-0.000 χ^2/NDF:726834.6/13

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

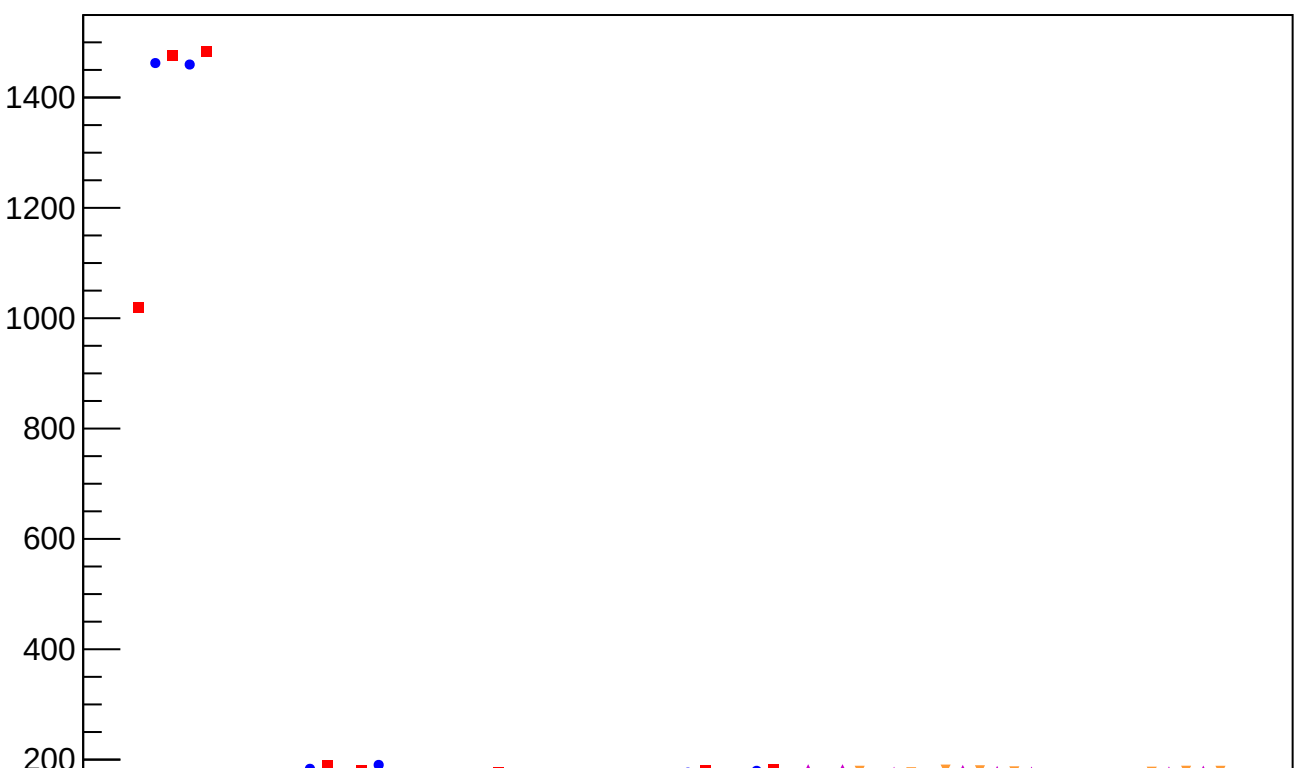
Left In: 0.409+/-0.000 χ^2/NDF:622743.3/12

+ sign 0.097+/-0.000 χ^2/NDF: 22137471.6/29

All: 0.091+/-0.000 χ^2/NDF: 44415968.9/61

- sign 0.087+/-0.000 χ^2/NDF: 22212574.2/31

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.359+/-0.000 χ^2/NDF:304461301.2/13

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

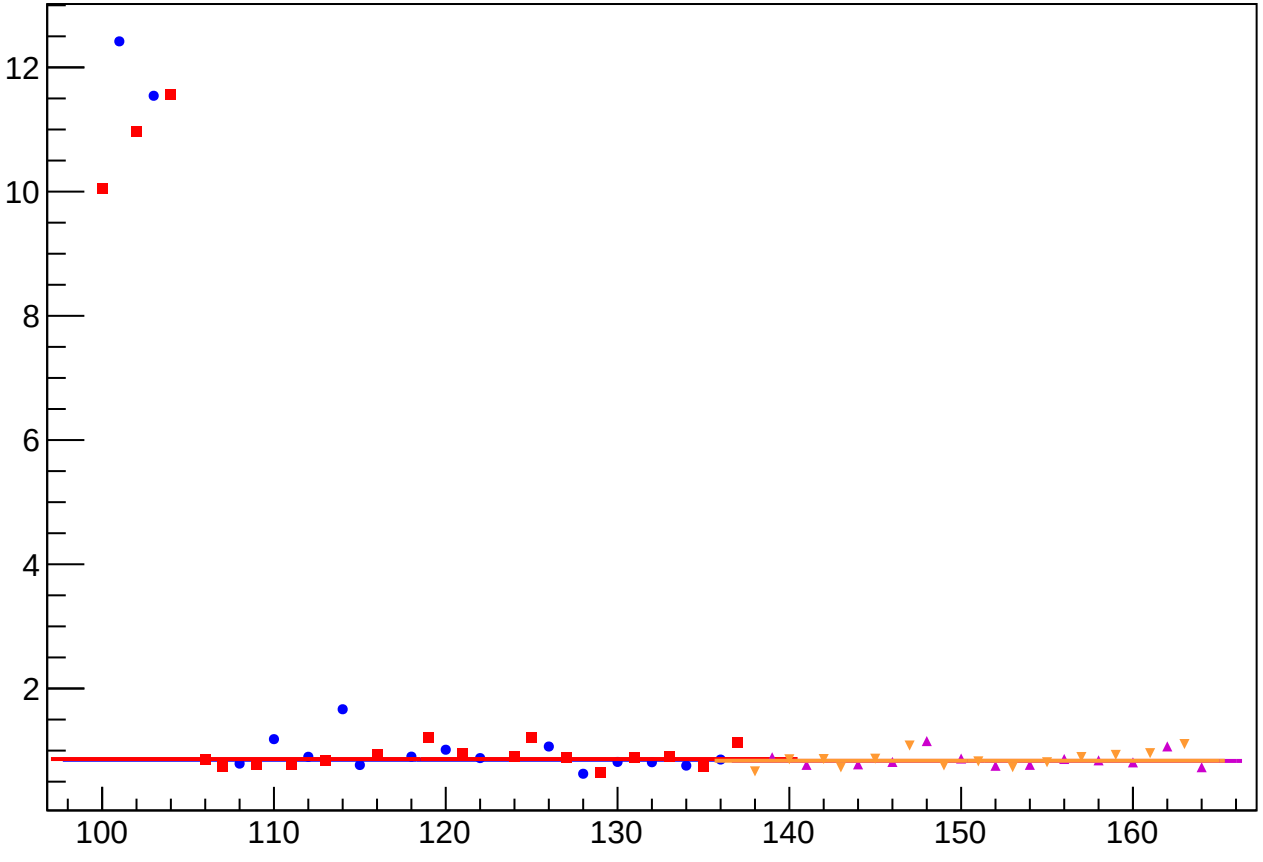
Left In: 173.590+/-0.000 χ^2/NDF:643840116.0/12

+ sign 171.749+/-0.000 χ^2/NDF: 15103417112.2/29

All: 171.889+/-0.000 χ^2/NDF: 32130780771.

- 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: 0.837+/-0.000 χ^2/NDF:261914.1/13

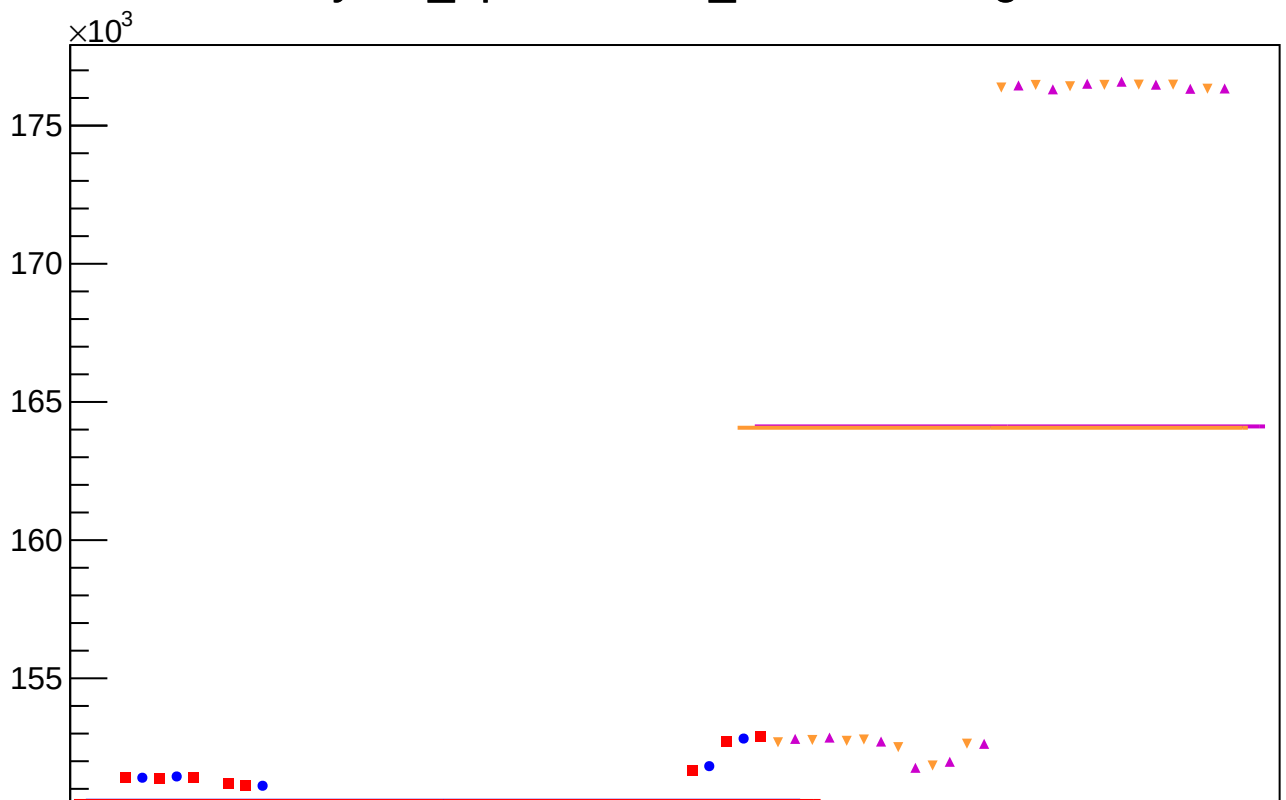
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:195985.7/12

+ sign 0.843+/-0.000 χ^2/NDF: 2565932.8/29

All: 0.844+/-0.000 χ^2/NDF: 4977712.8/61

- 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: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

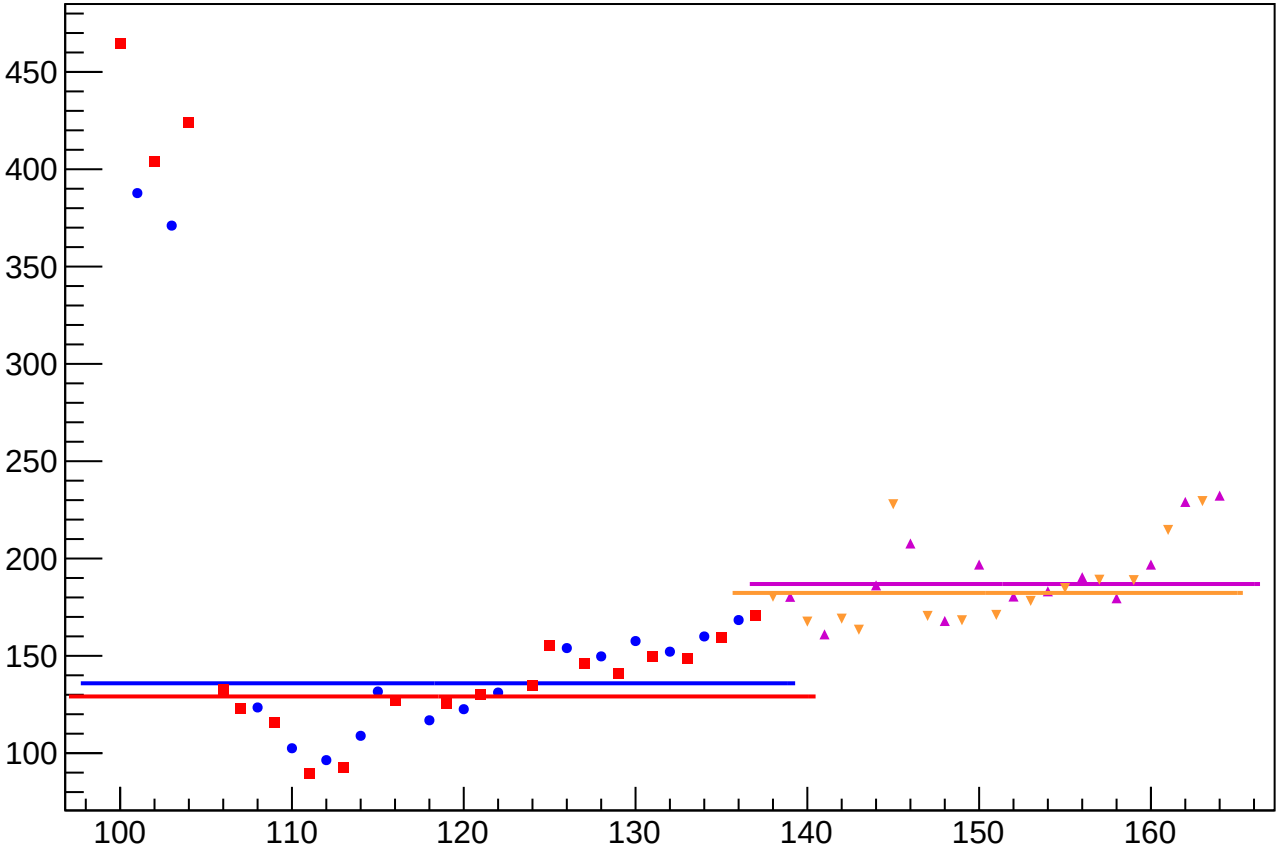
Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

+ sign 157245.186+/-0.039 χ^2/NDF: 77195433890.

All: 156899.219+/-0.027 χ^2/NDF: 15278107

- 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: 182.327+/-0.039 χ^2/NDF:244000.7/13

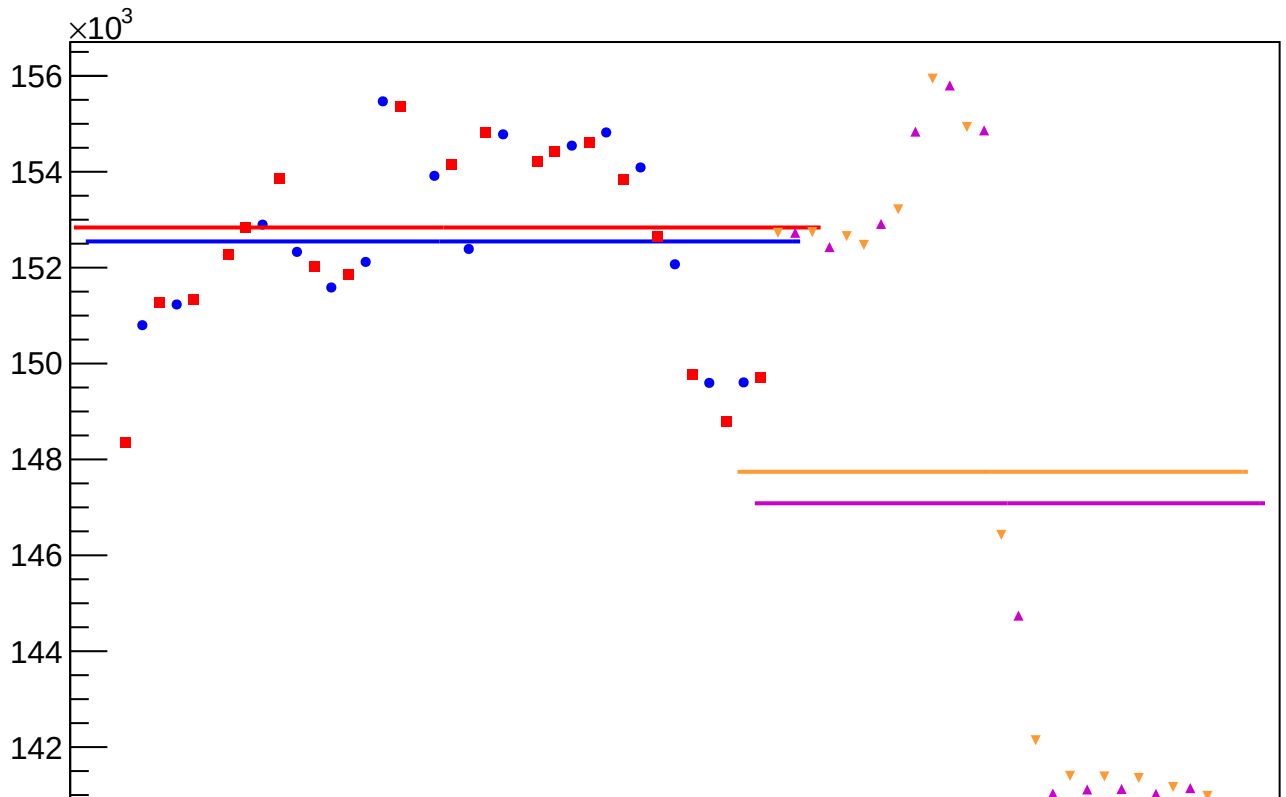
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

+ sign 158.862+/-0.027 χ^2/NDF: 2375421.5/29

All: 156.754+/-0.019 χ^2/NDF: 5339966.1/61

- 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: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

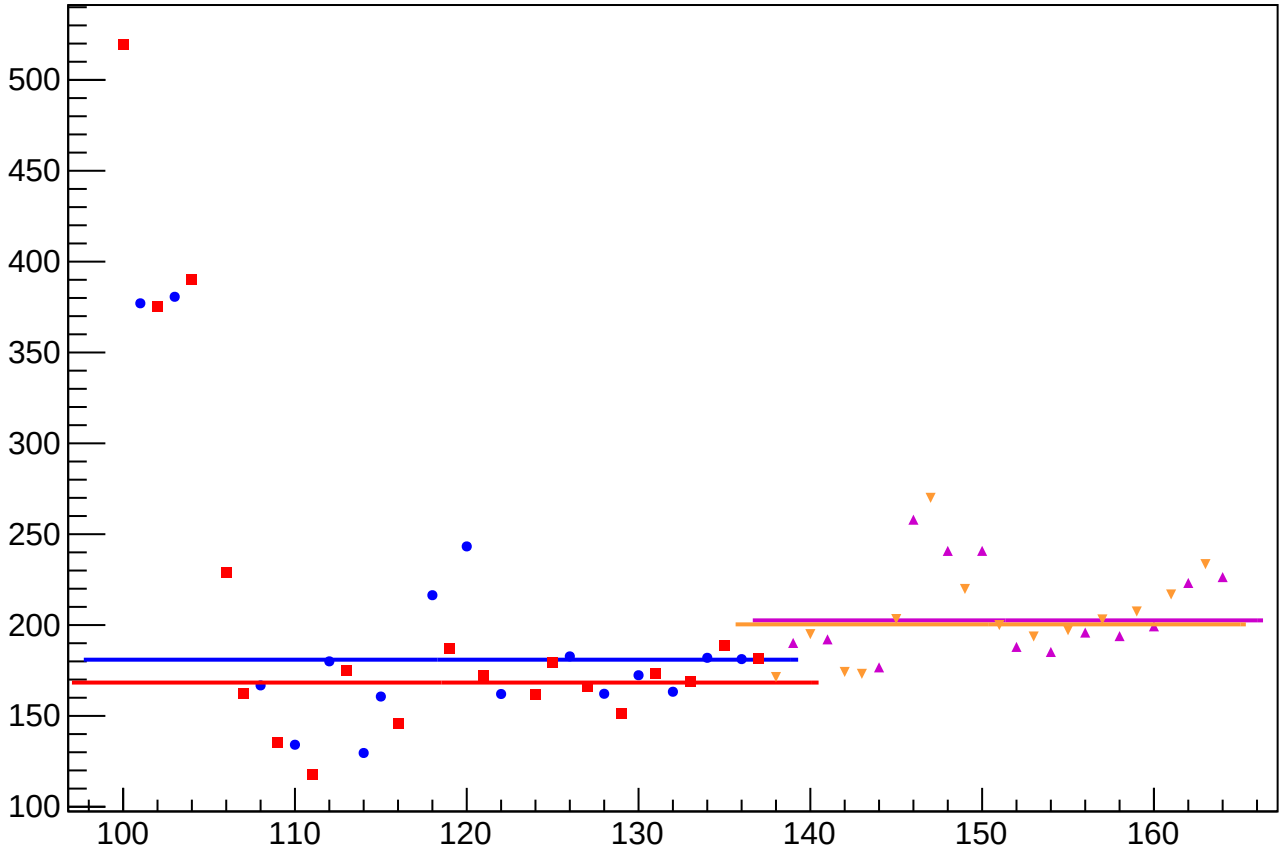
Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

+ sign 149726.811+/-0.047 χ^2/NDF: 12114961224.

All: 149745.890+/-0.033 χ^2/NDF: 26388586

- 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: 200.379+/-0.043 χ^2/NDF:272765.0/13

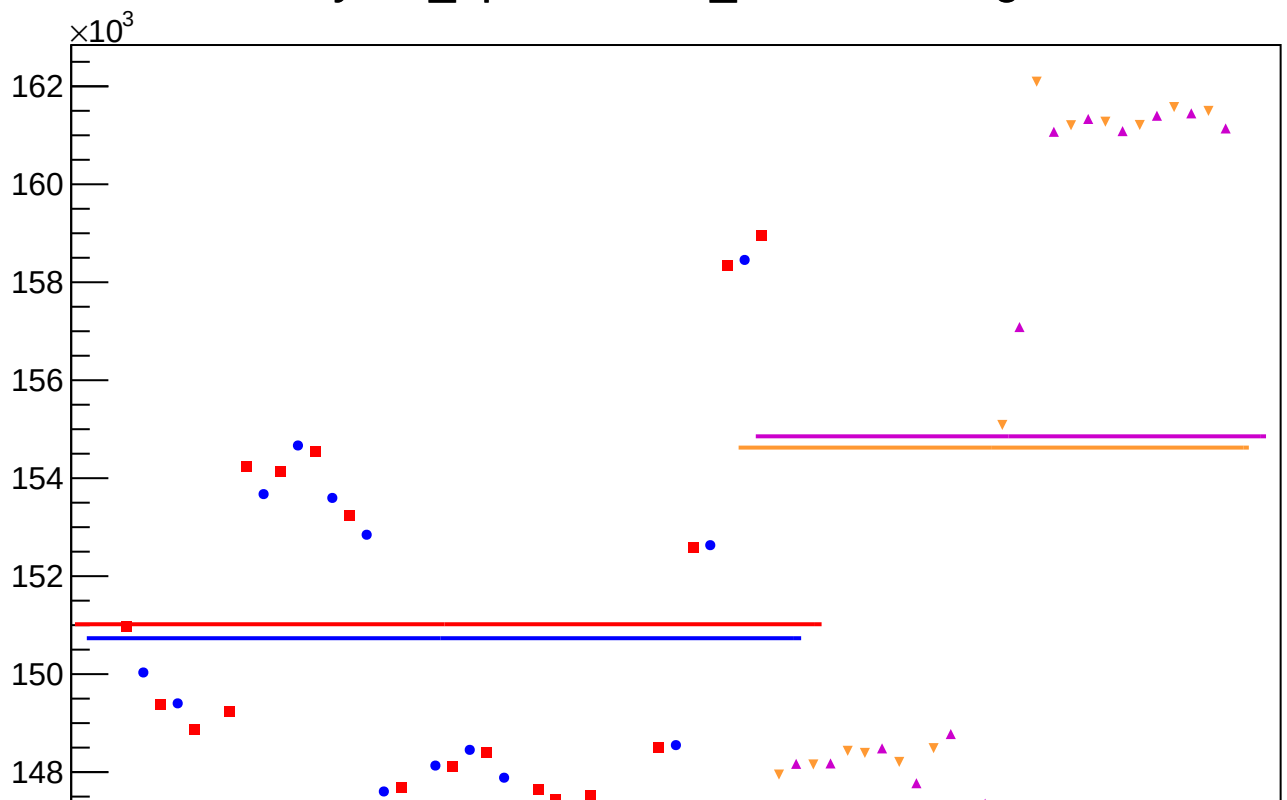
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

+ sign 192.350+/-0.033 χ^2/NDF: 1264666.5/29

All: 189.420+/-0.023 χ^2/NDF: 2924933.6/61

- 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: 154624.811+/-0.058 χ^2/NDF:12027422164.8/13

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

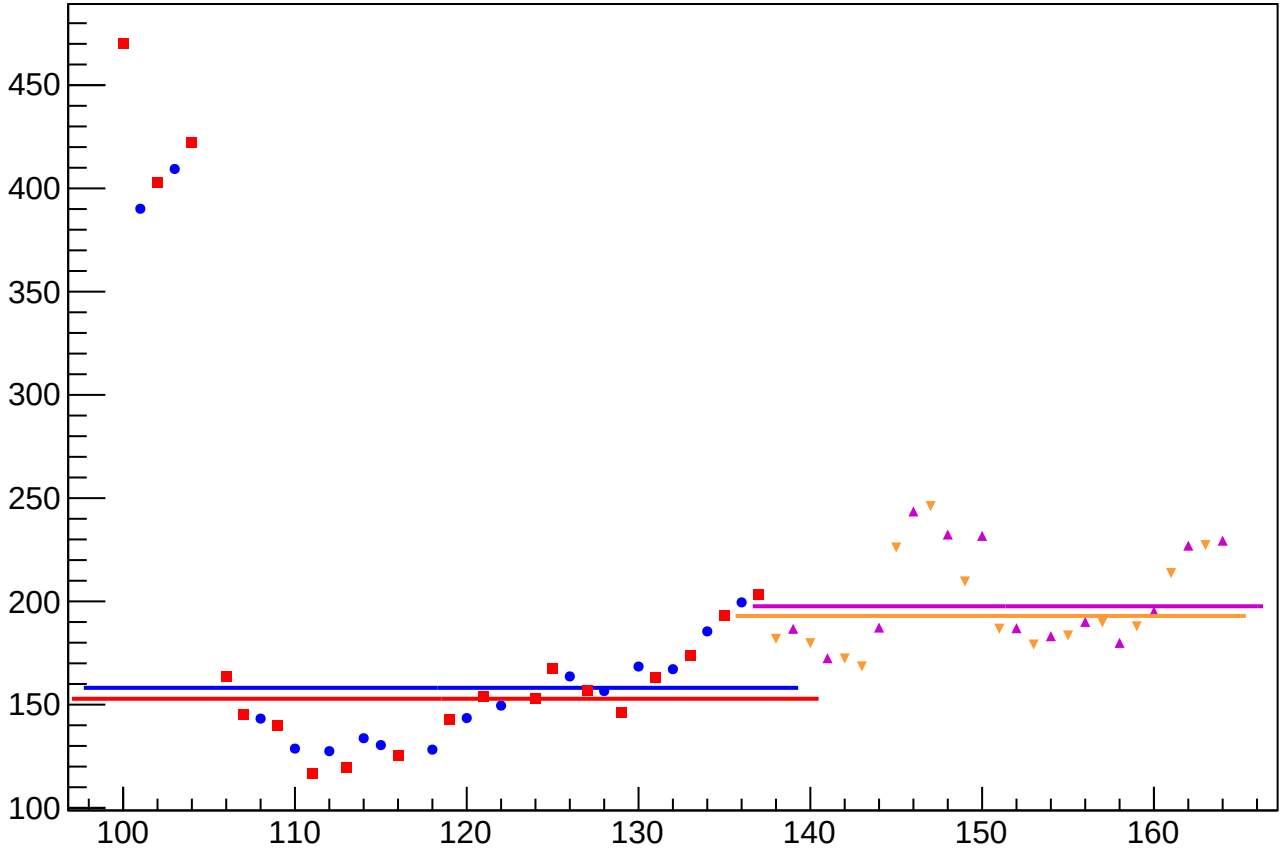
Left In: 154854.741+/-0.061 χ^2/NDF:10786712318.8/12

+ sign 152821.397+/-0.043 χ^2/NDF: 17365199871.

All: 152871.416+/-0.030 χ^2/NDF: 33464366

- 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: 192.958+/-0.041 χ^2/NDF:253019.7/13

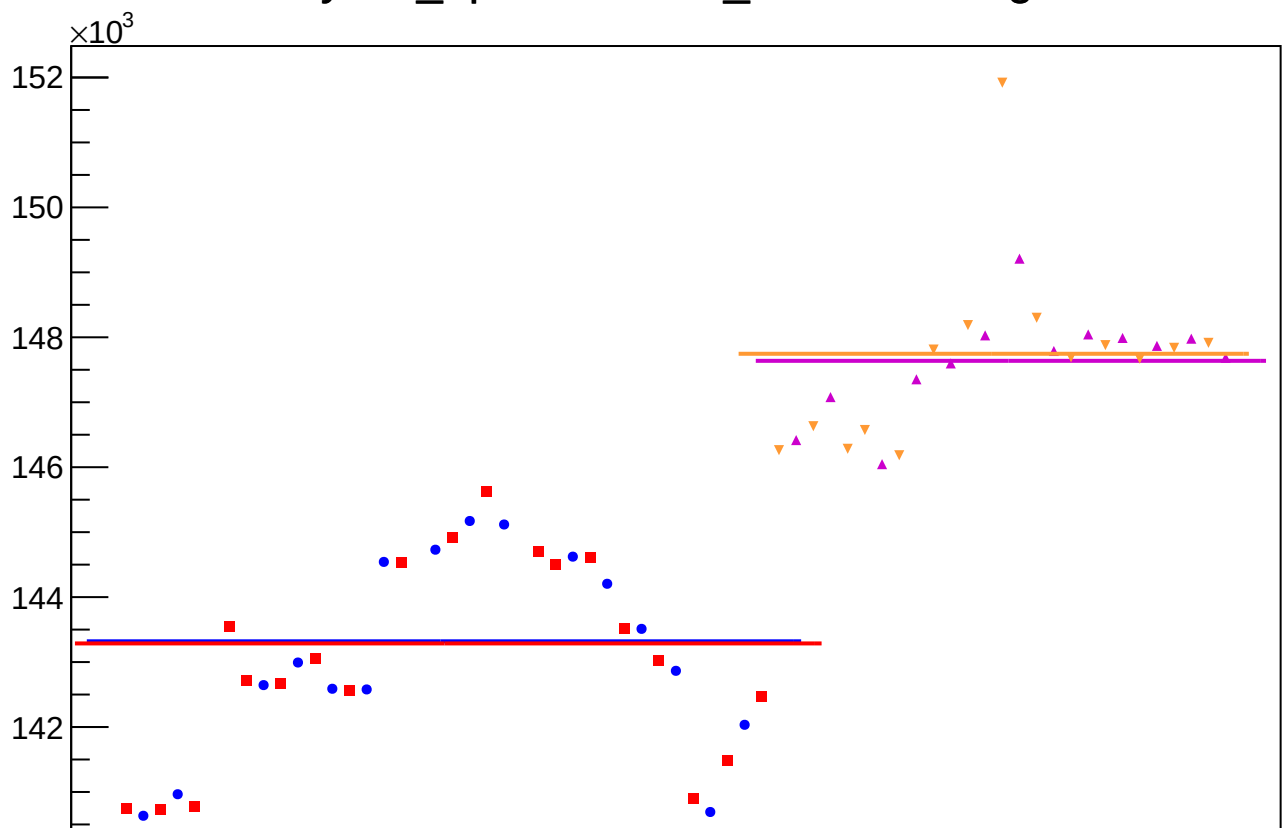
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.643+/-0.043 χ^2/NDF:271707.5/12

\+ sign 176.821+/-0.030 χ^2/NDF: 1777595.5/29

All: 175.937+/-0.021 χ^2/NDF: 3867234.1/61

\- 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: 147746.370+/-0.055 χ^2/NDF:670267127.5/13

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

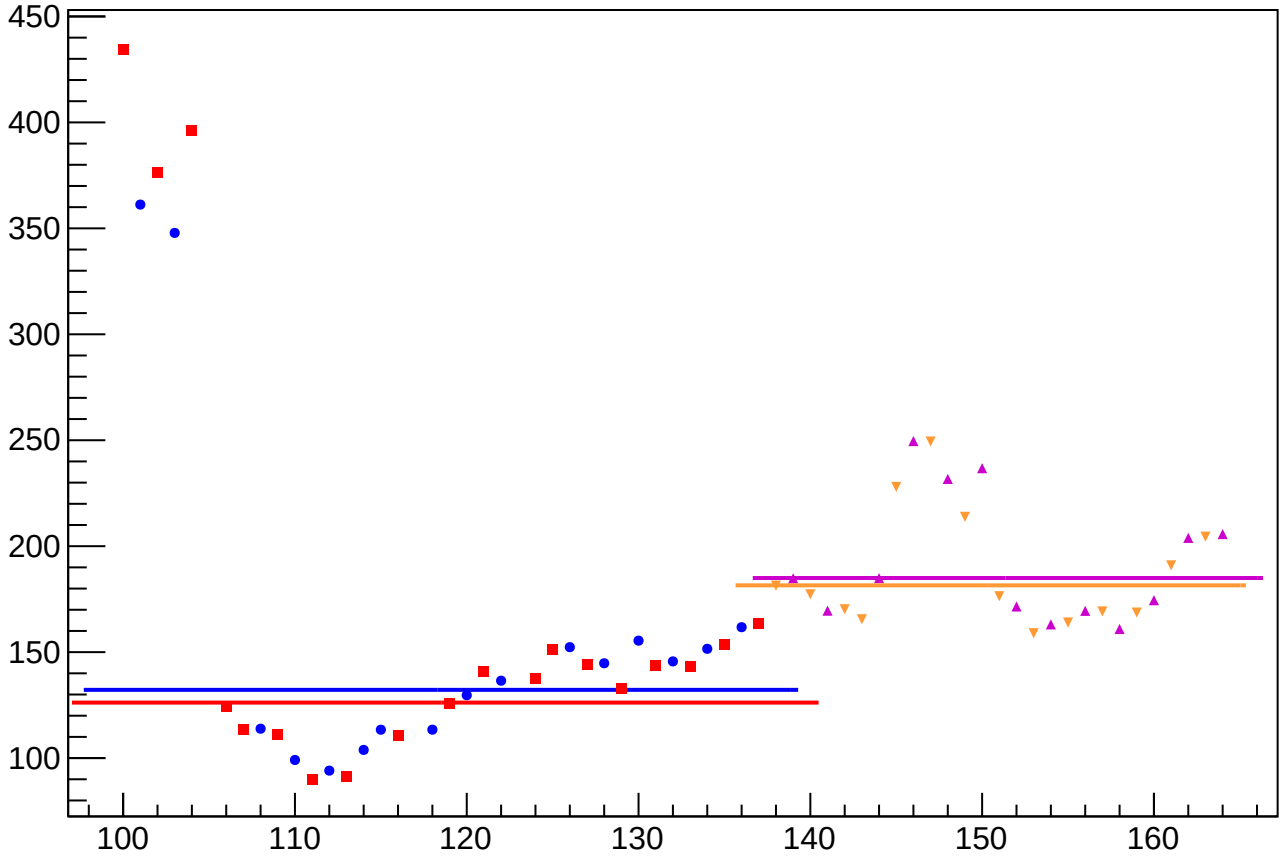
Left In: 147637.746+/-0.057 χ^2/NDF:199198233.9/12

+ sign 145450.516+/-0.038 χ^2/NDF: 4571916008.3

All: 145307.261+/-0.027 χ^2/NDF: 87351193

- 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: 181.520+/-0.039 χ^2/NDF:341184.1/13

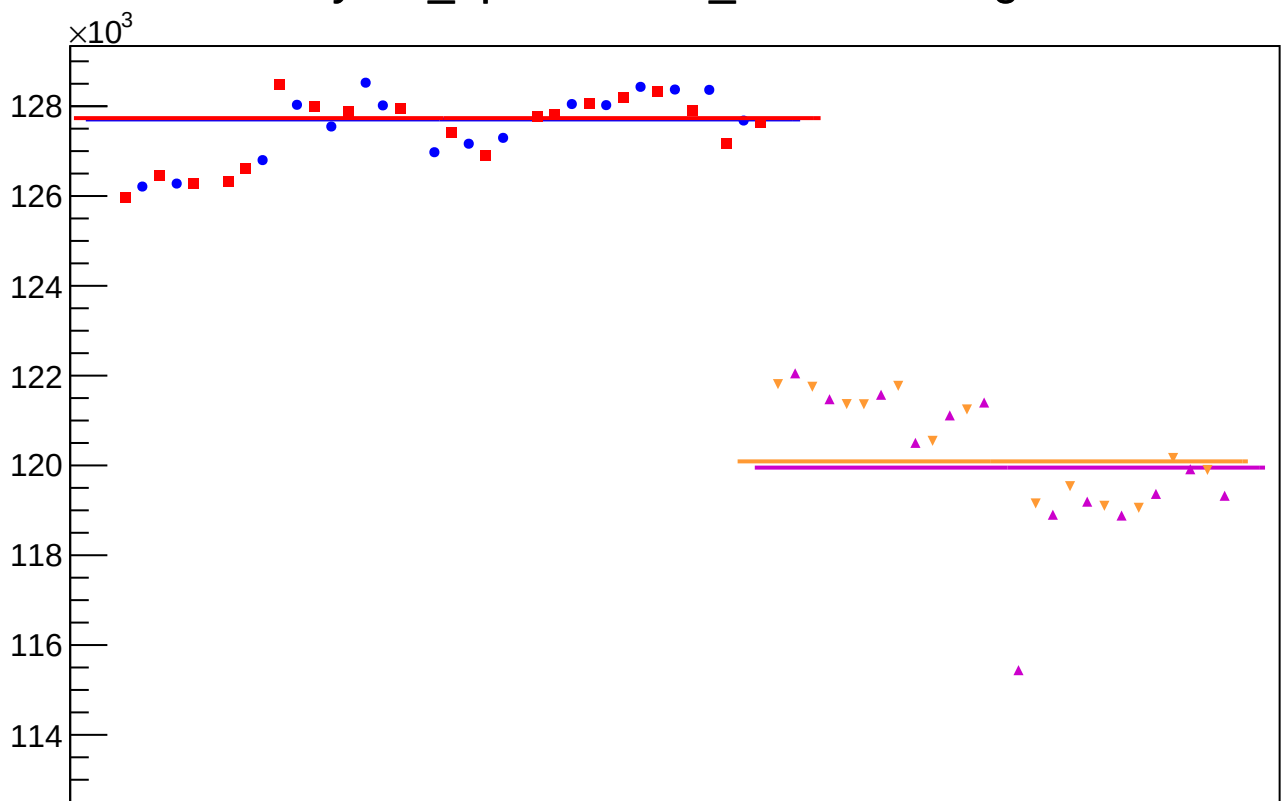
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.983+/-0.040 χ^2/NDF:408916.8/12

+ sign 155.943+/-0.027 χ^2/NDF: 2549982.2/29

All: 153.744+/-0.019 χ^2/NDF: 5727875.5/61

- 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: 120090.104+/-0.054 χ^2/NDF:1751805410.1/13

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

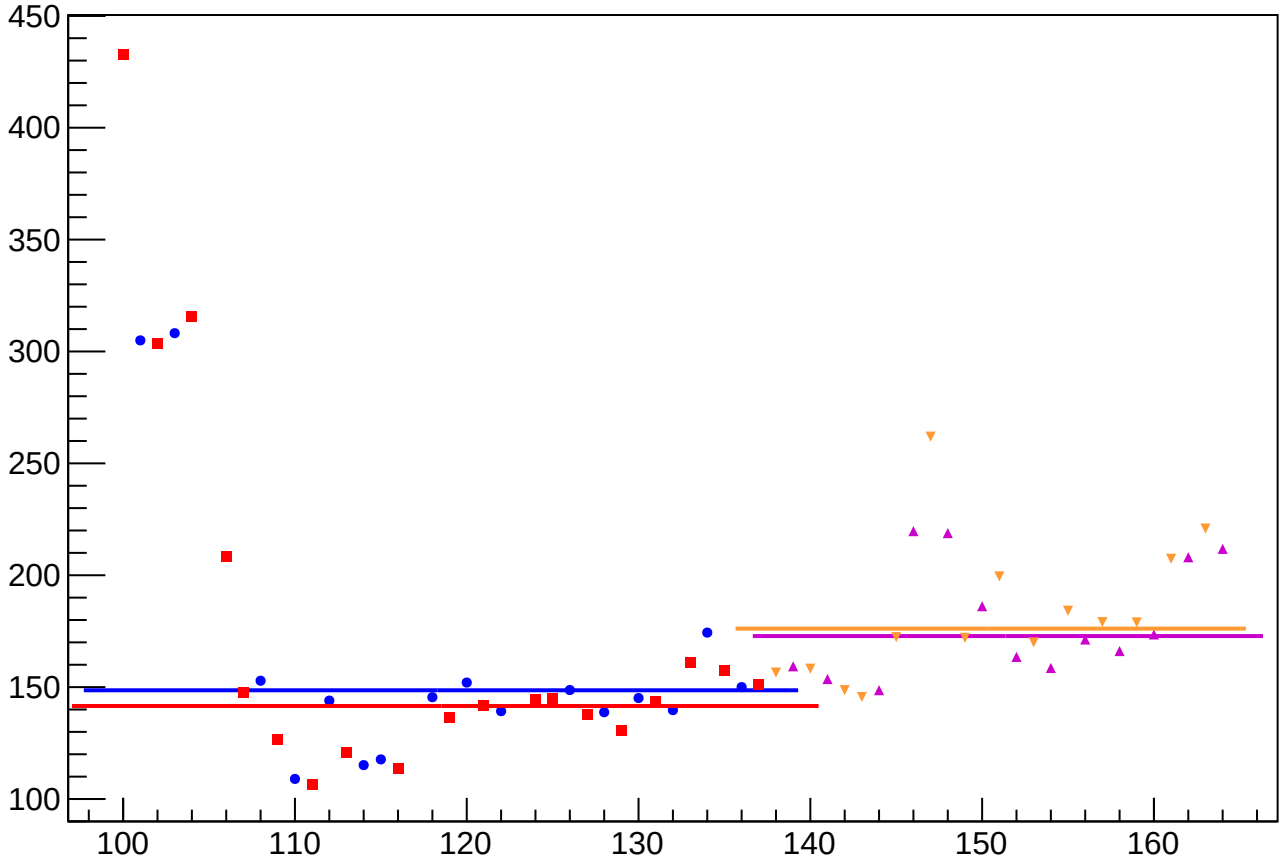
Left In: 119951.337+/-0.053 χ^2/NDF:1149216675.7/12

+ sign 123605.327+/-0.040 χ^2/NDF: 1100546747

All: 123672.737+/-0.028 χ^2/NDF: 2259171

- sign 123735.478+/-0.038 χ^2/NDF: 1158067391

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 176.141+/-0.038 χ^2/NDF:450228.8/13

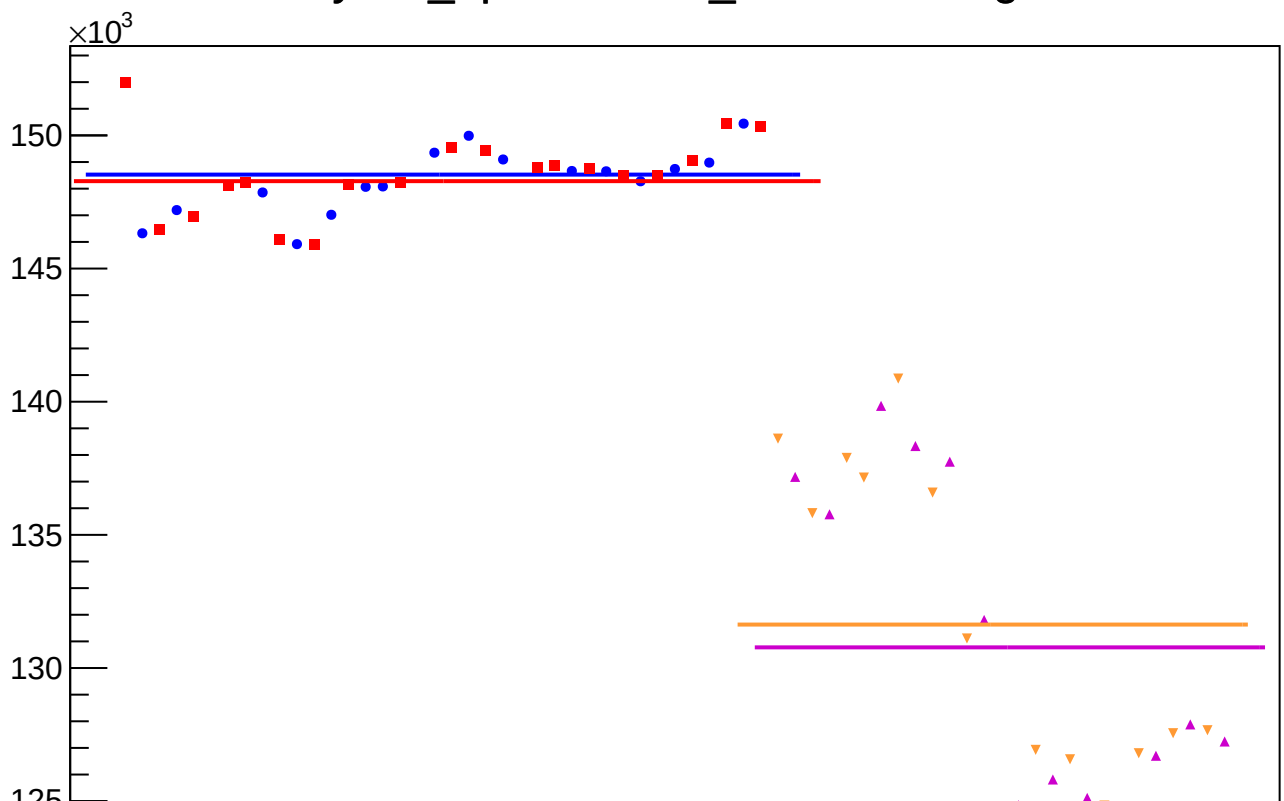
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 172.819+/-0.038 χ^2/NDF:351252.2/12

+ sign 163.425+/-0.028 χ^2/NDF: 1517396.0/29

All: 160.419+/-0.019 χ^2/NDF: 3224930.4/61

- 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: 131631.696+/-0.078 χ^2/NDF:5013179808.9/13

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

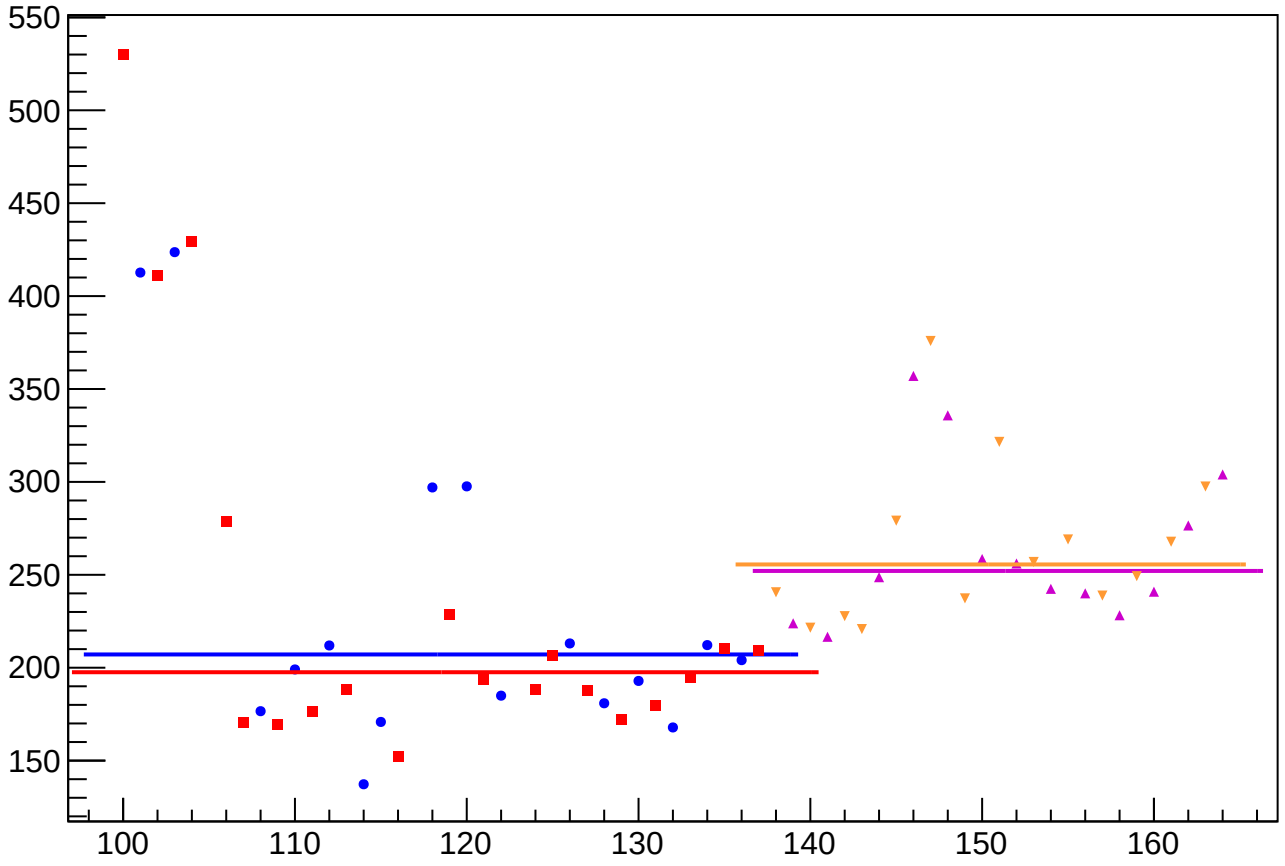
Left In: 130775.614+/-0.078 χ^2/NDF:5408247542.4/12

+ sign 139655.107+/-0.056 χ^2/NDF: 27549828727.

All: 139647.329+/-0.039 χ^2/NDF: 59033183

- 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: 255.573+/-0.055 χ^2/NDF:402404.5/13

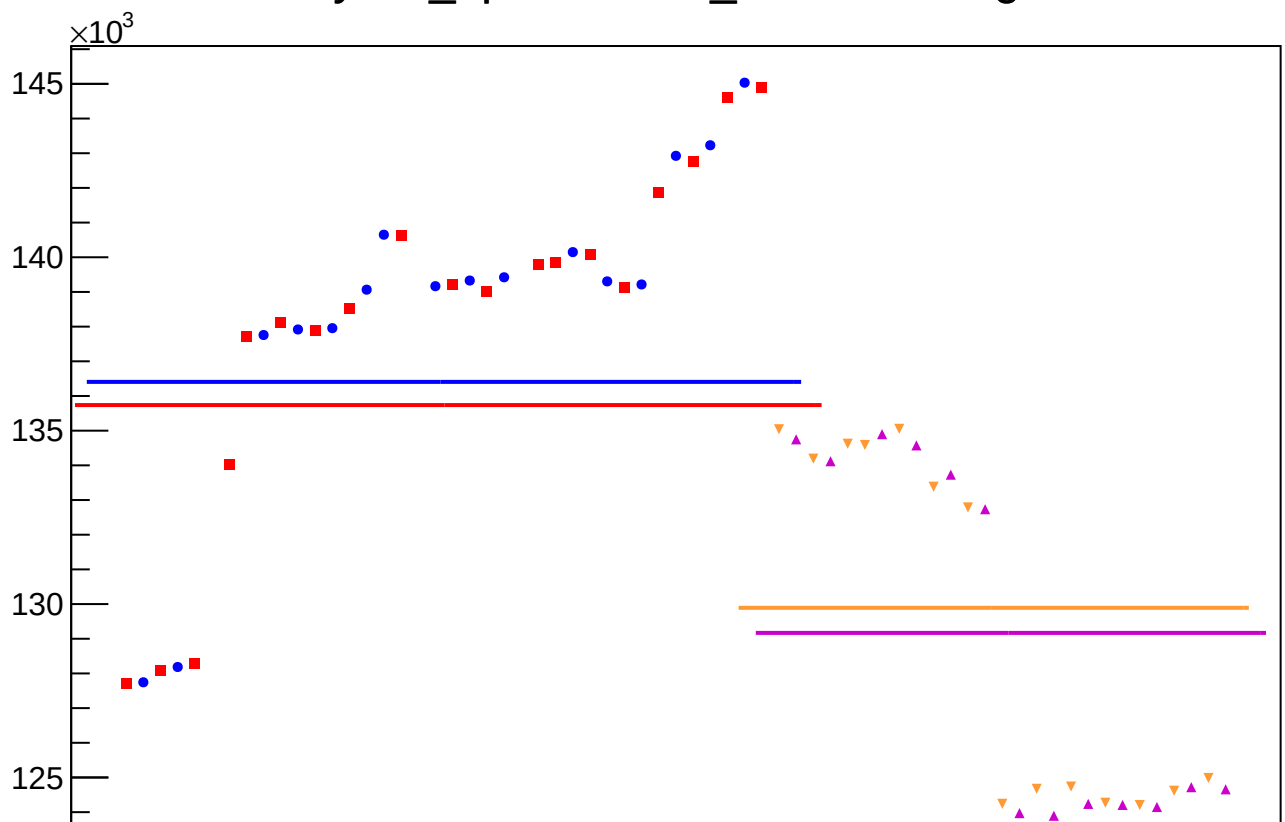
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 252.081+/-0.055 χ^2/NDF:402813.6/12

+ sign 232.571+/-0.040 χ^2/NDF: 1741633.7/29

All: 228.383+/-0.028 χ^2/NDF: 3569593.8/61

- 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: 129892.447+/-0.180 χ^2/NDF:759532191.8/13

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

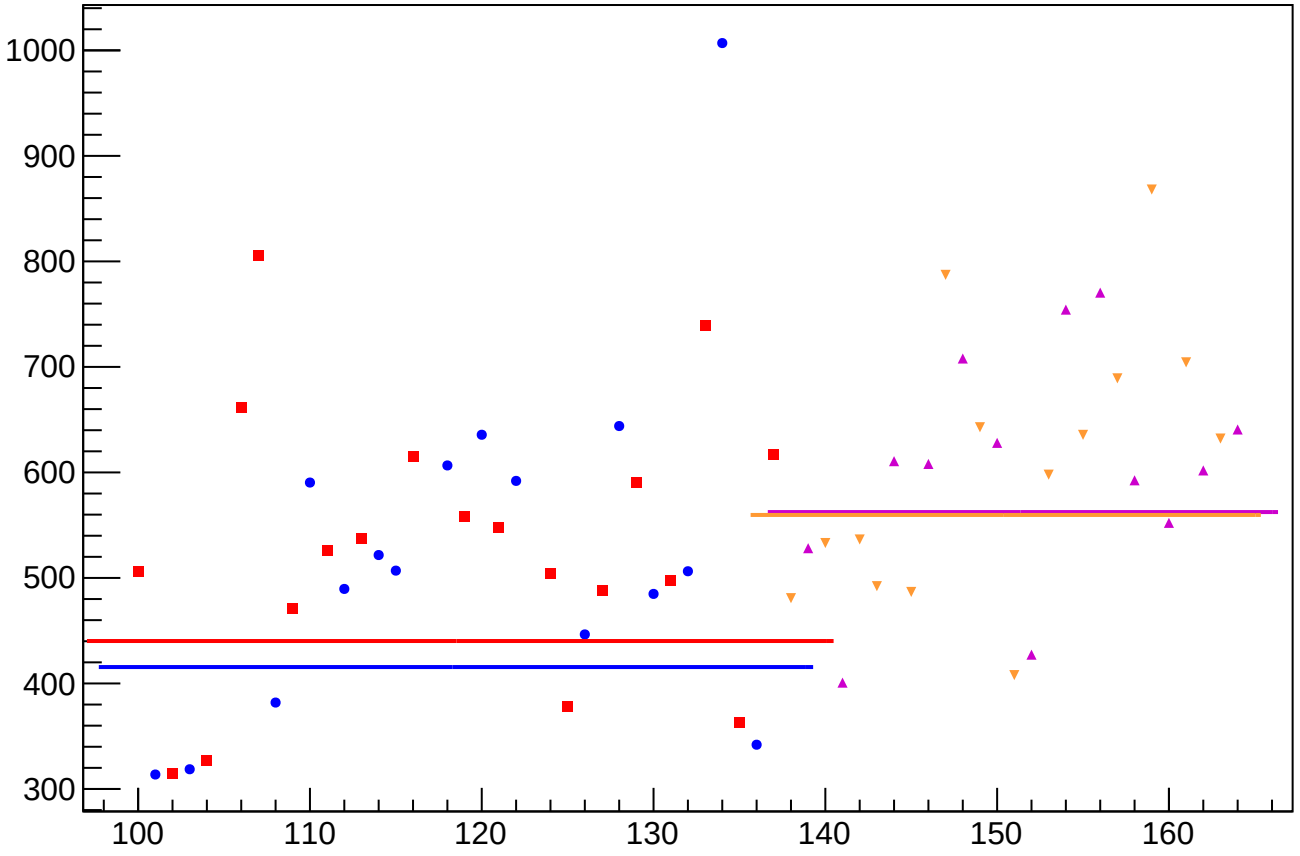
Left In: 129169.046+/-0.186 χ^2/NDF:728402984.5/12

+ sign 133365.617+/-0.123 χ^2/NDF: 3033788913.9

All: 133004.890+/-0.089 χ^2/NDF: 56115551

- 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: 559.699+/-0.127 χ^2/NDF:795206.6/13

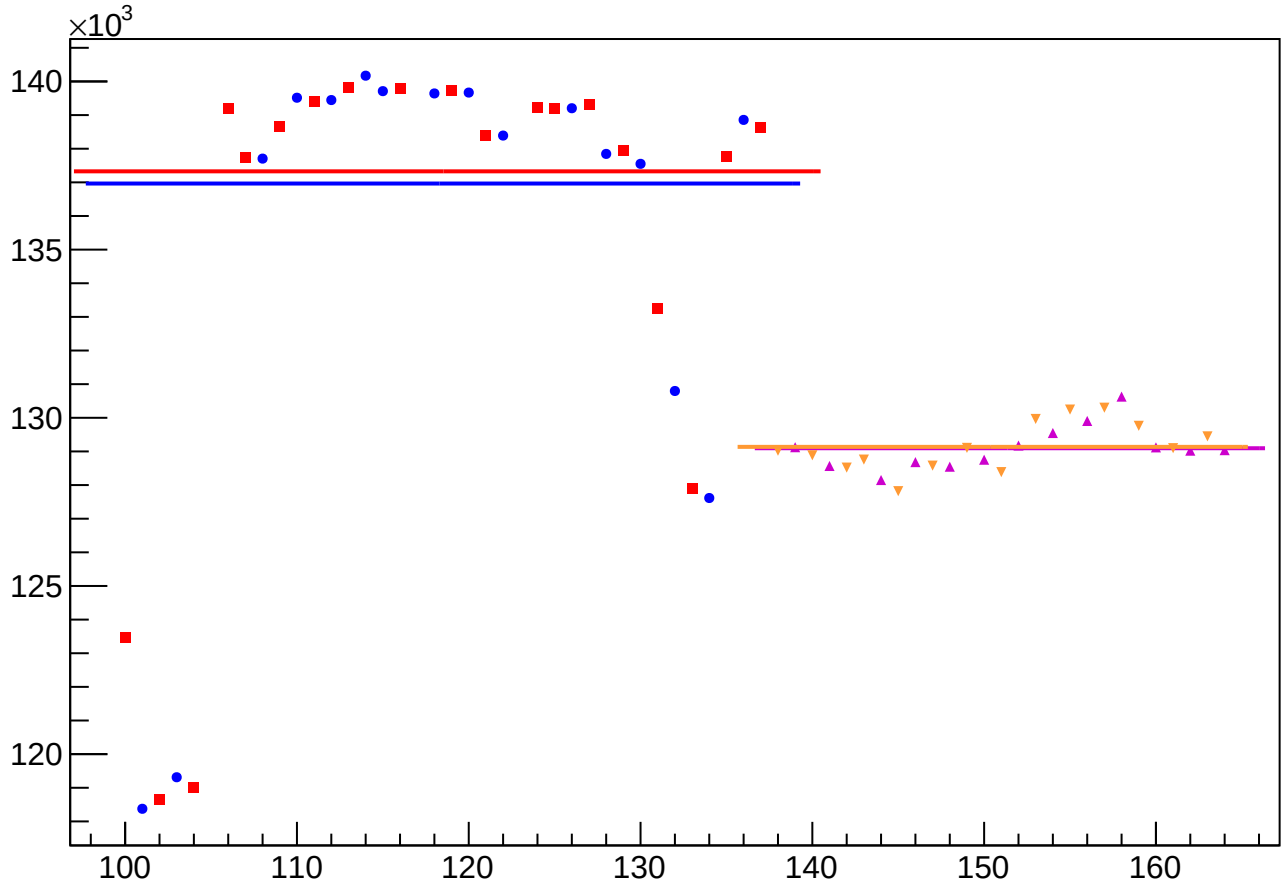
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.435+/-0.131 χ^2/NDF:701705.0/12

+ sign 482.845+/-0.087 χ^2/NDF: 2509554.8/29

All: 490.285+/-0.063 χ^2/NDF: 4592301.4/61

- 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: 129135.804+/-0.058 χ^2/NDF:147235101.3/13

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

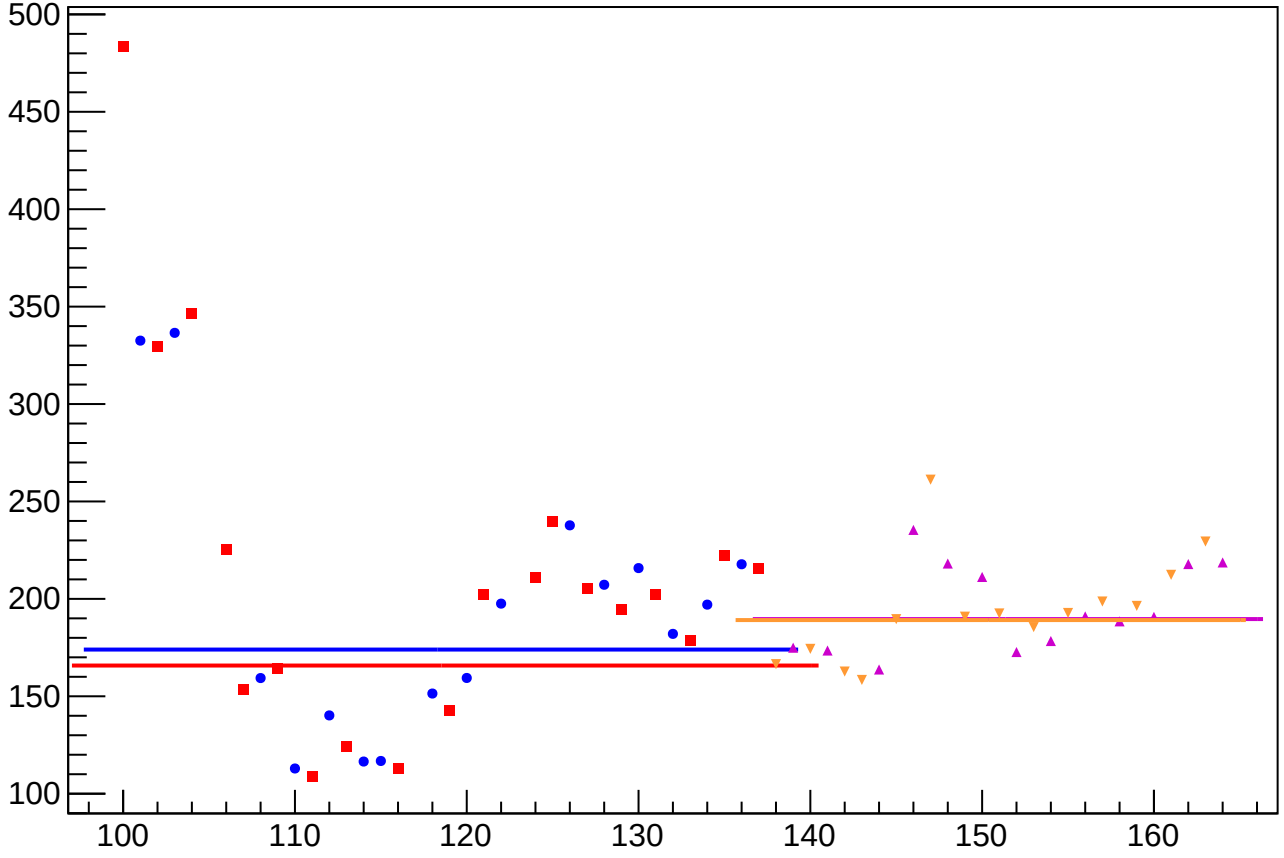
Left In: 129094.862+/-0.058 χ^2/NDF:125179948.0/12

+ sign 132313.919+/-0.044 χ^2/NDF: 13444607452.

All: 132523.512+/-0.031 χ^2/NDF: 28148031

- sign 132725.213+/-0.044 χ^2/NDF: 14659745529.5

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 189.116+/-0.041 χ^2/NDF:324802.7/13

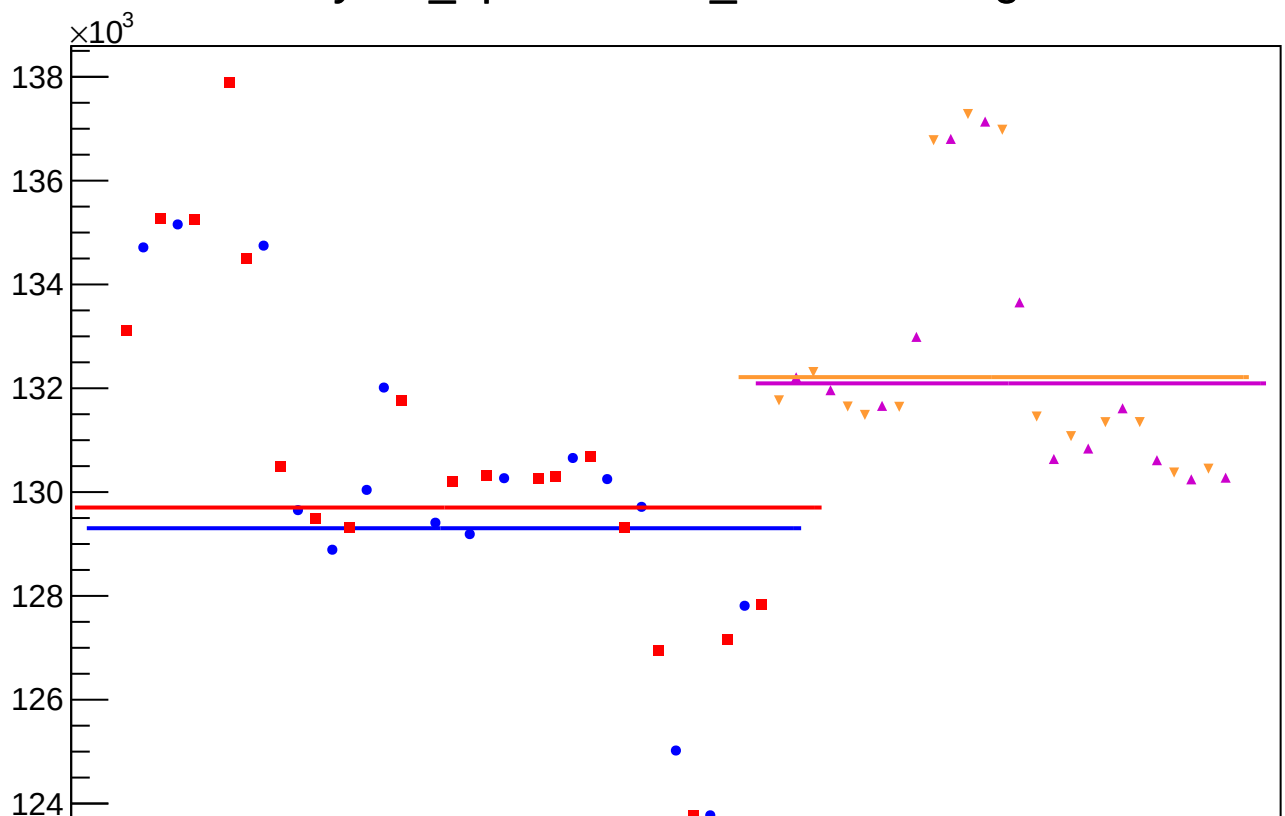
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.635+/-0.041 χ^2/NDF:254073.2/12

+ sign 182.972+/-0.031 χ^2/NDF: 1569267.5/29

All: 181.007+/-0.022 χ^2/NDF: 3411894.2/61

- 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: 132214.804+/-0.058 χ^2/NDF:1215234274.3/13

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

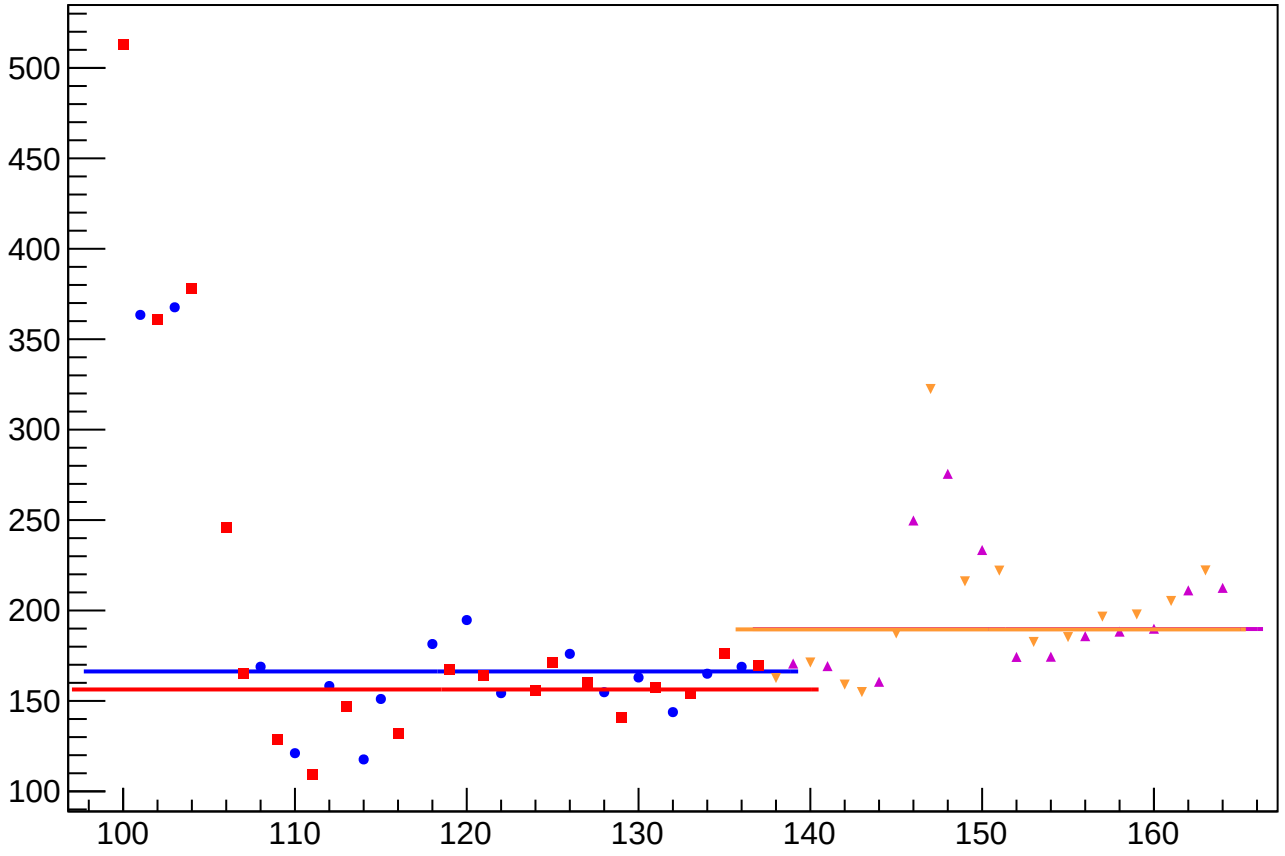
Left In: 132094.457+/-0.059 χ^2/NDF:987767192.5/12

+ sign 130945.339+/-0.044 χ^2/NDF: 3955719094.6

All: 130950.448+/-0.030 χ^2/NDF: 751234752

- 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: 189.555+/-0.041 χ^2/NDF:559866.4/13

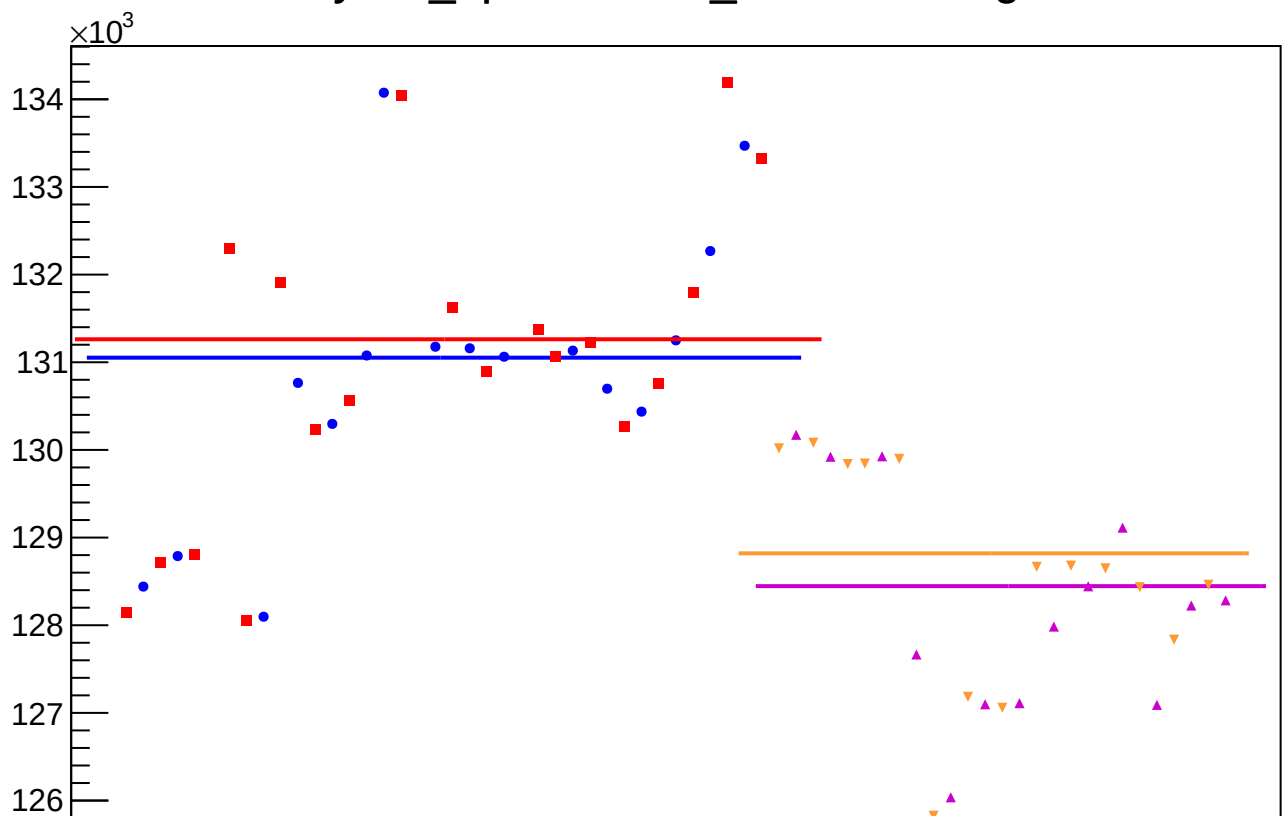
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 189.751+/-0.041 χ^2/NDF:480612.1/12

+ sign 179.415+/-0.031 χ^2/NDF: 1636954.5/29

All: 176.544+/-0.022 χ^2/NDF: 3615979.4/61

- 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: 128820.243+/-0.056 χ^2/NDF:434549852.7/13

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

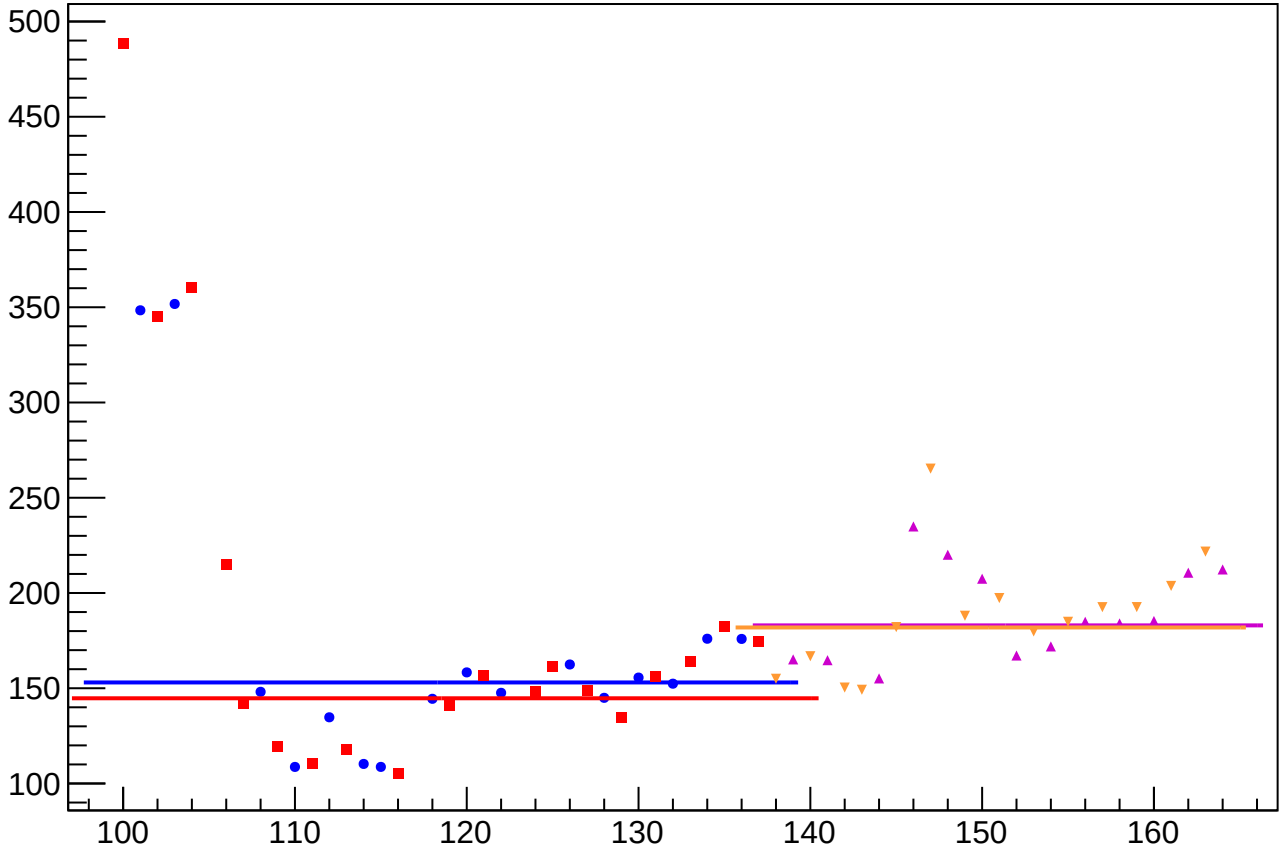
Left In: 128446.098+/-0.056 χ^2/NDF:501778334.2/12

+ sign 129838.940+/-0.041 χ^2/NDF: 1694874507.0/

All: 129842.318+/-0.029 χ^2/NDF: 40434979

- 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: 181.902+/-0.039 χ^2/NDF:429548.0/13

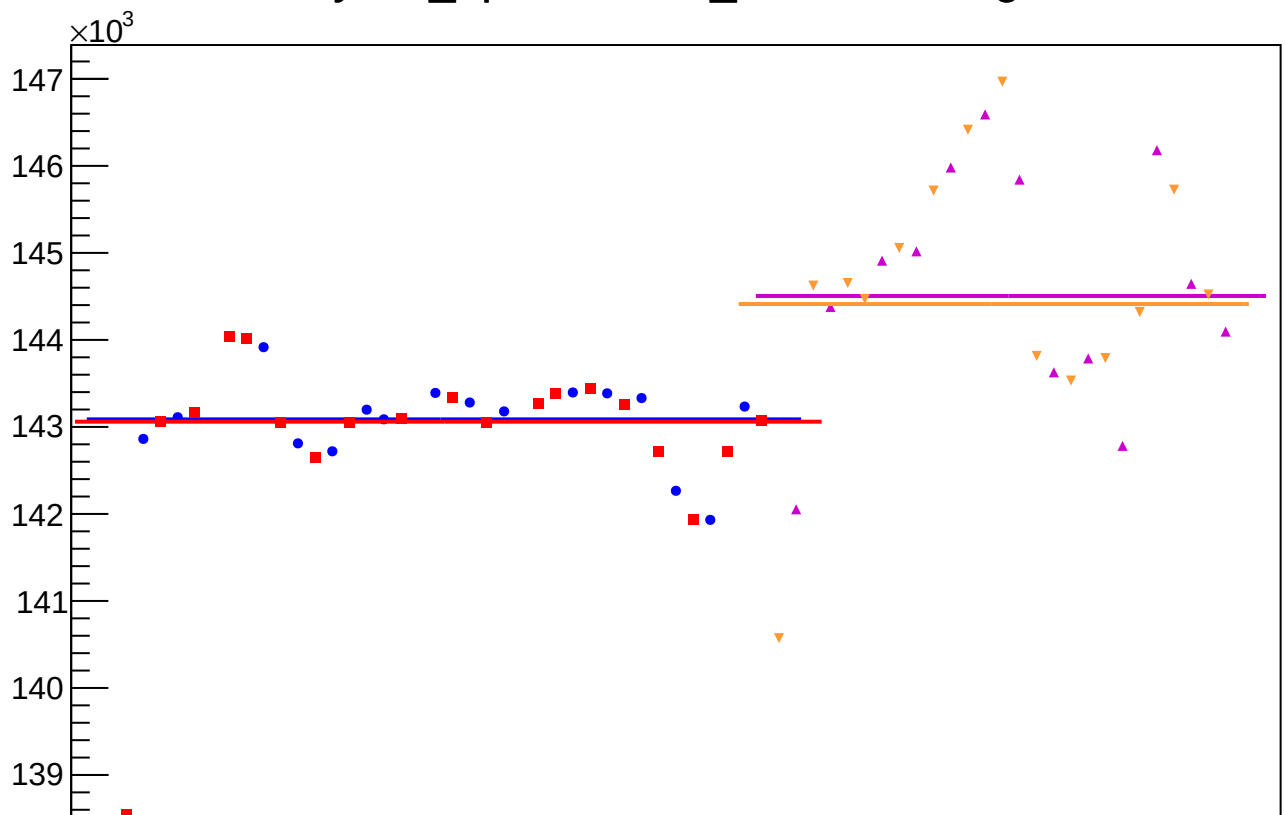
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 182.995+/-0.040 χ^2/NDF:326464.8/12

+ sign 168.732+/-0.029 χ^2/NDF: 1735276.9/29

All: 166.296+/-0.020 χ^2/NDF: 3797771.6/61

- 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: 144412.241+/-0.064 χ^2/NDF:594899225.9/13

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

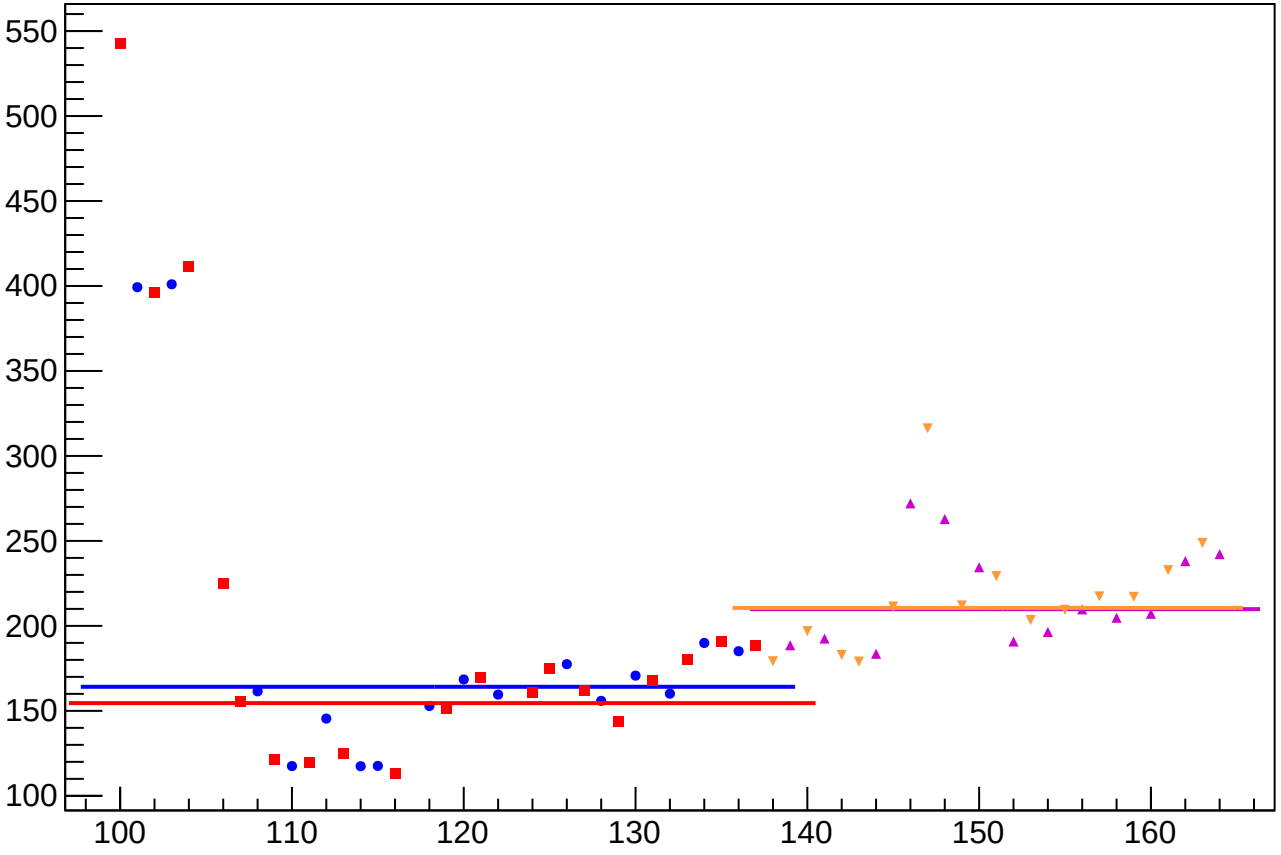
Left In: 144504.907+/-0.065 χ^2/NDF:429375965.1/12

+ sign 143756.714+/-0.046 χ^2/NDF: 851401467.2/2

All: 143746.523+/-0.032 χ^2/NDF: 15983196

- 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: 210.595+/-0.046 χ^2/NDF:375038.2/13

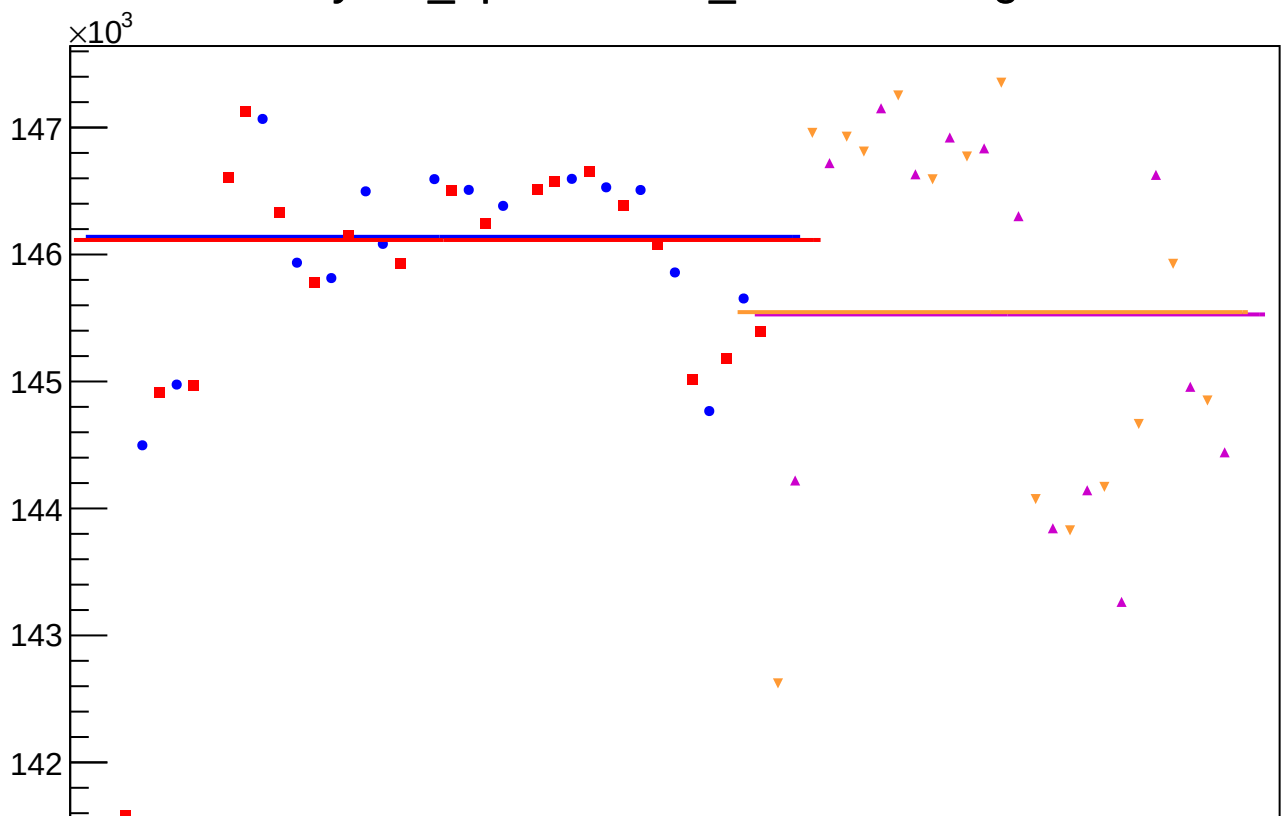
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 209.853+/-0.046 χ^2/NDF:317353.1/12

+ sign 187.639+/-0.032 χ^2/NDF: 2019351.8/29

All: 183.927+/-0.022 χ^2/NDF: 4507602.4/61

- 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: 145546.149+/-0.064 χ^2/NDF:601784017.6/13

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

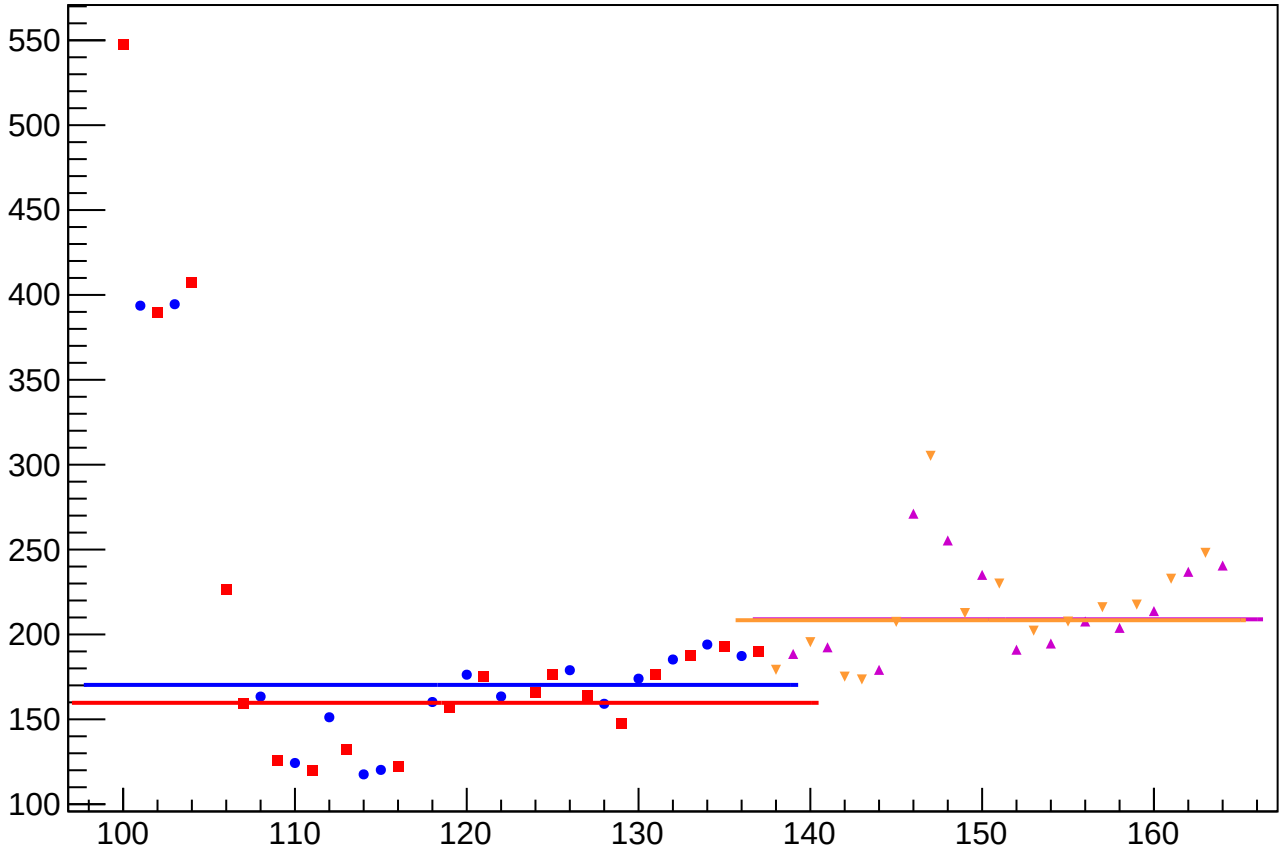
Left In: 145528.020+/-0.064 χ^2/NDF:469991836.2/12

+ sign 145825.773+/-0.046 χ^2/NDF: 714440799.8/2

All: 145827.876+/-0.032 χ^2/NDF: 13002942

- 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: 208.381+/-0.045 χ^2/NDF:388486.5/13

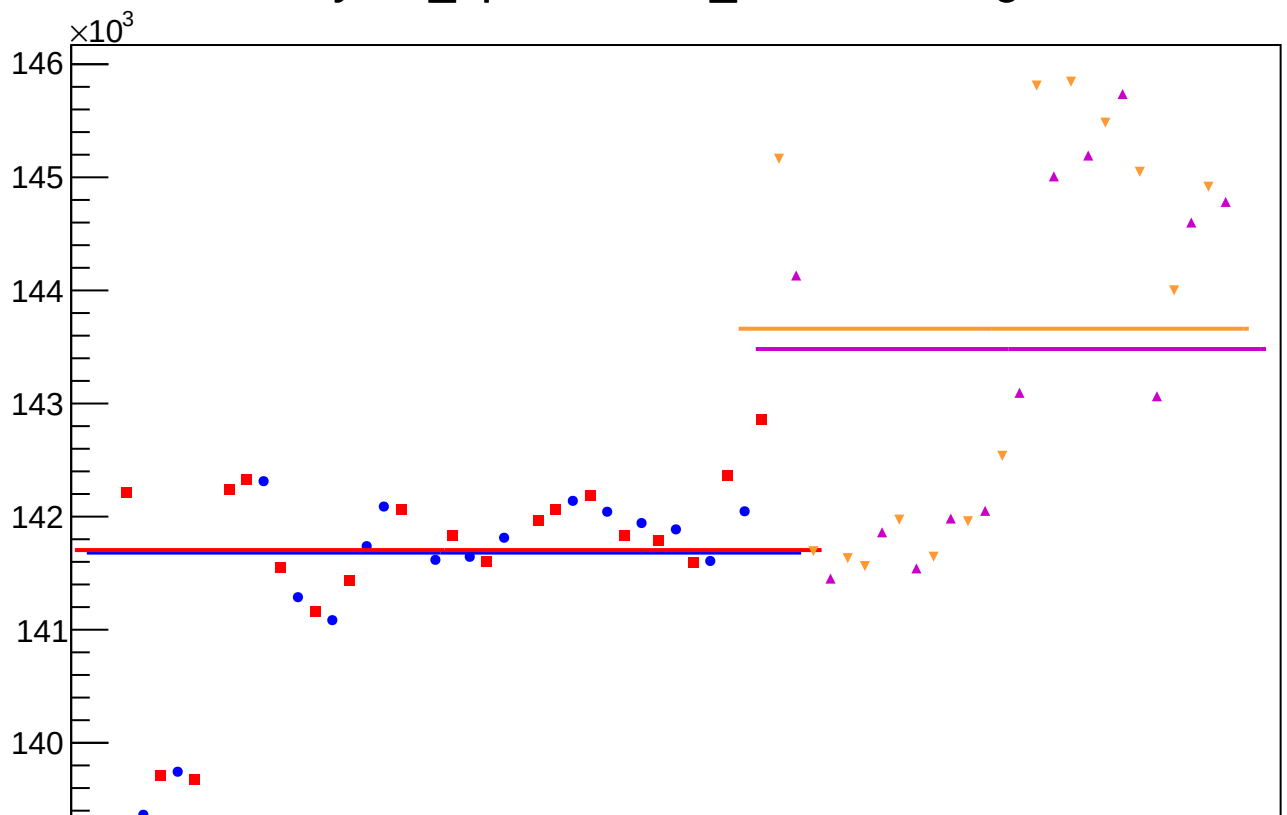
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 208.911+/-0.045 χ^2/NDF:316199.7/12

+ sign 190.417+/-0.033 χ^2/NDF: 1784025.3/29

All: 186.898+/-0.023 χ^2/NDF: 4015509.2/61

- 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: 143661.500+/-0.067 χ^2/NDF:658354022.9/13

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

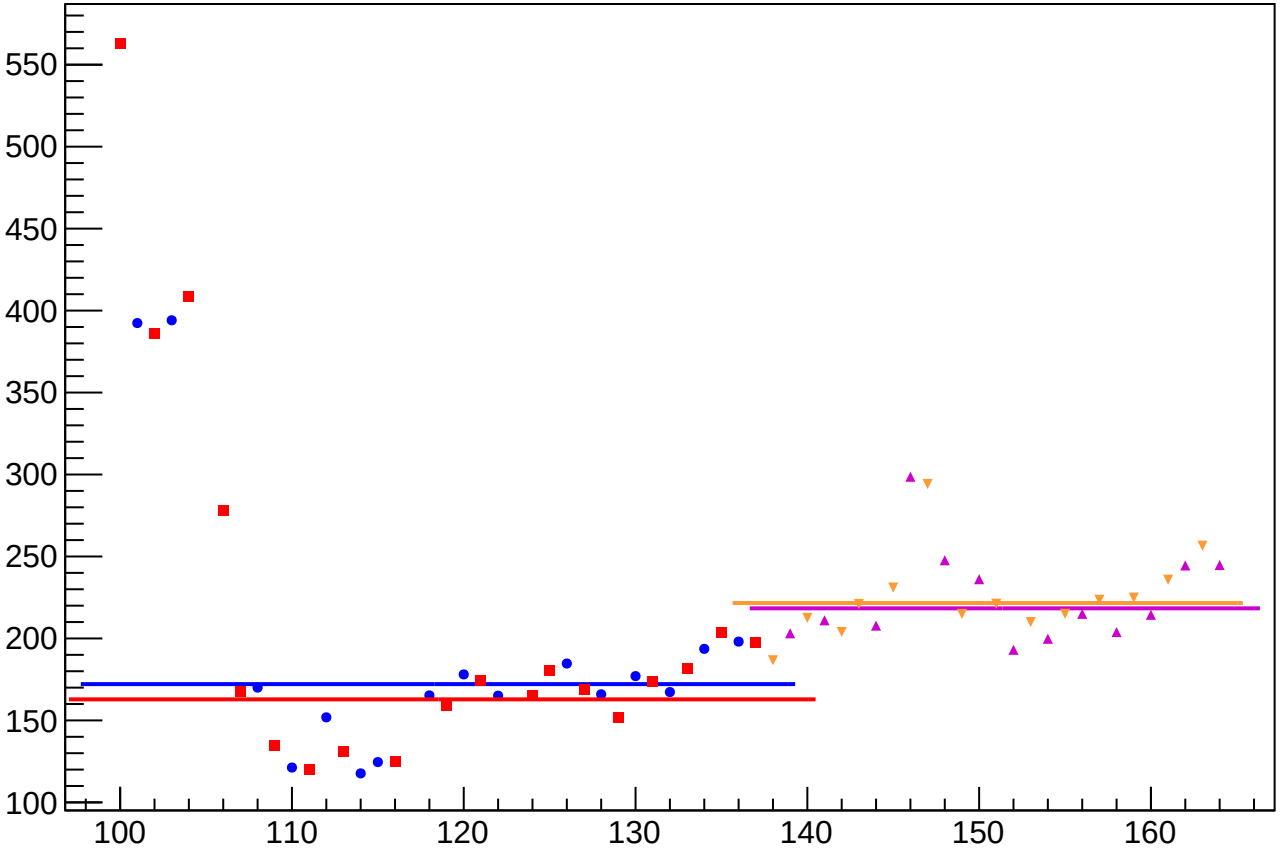
Left In: 143481.961+/-0.067 χ^2/NDF:486291014.2/12

+ sign 142685.254+/-0.048 χ^2/NDF: 1148842739.1

All: 142613.528+/-0.033 χ^2/NDF: 20730360

- 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: 221.608+/-0.048 χ^2/NDF:210700.2/13

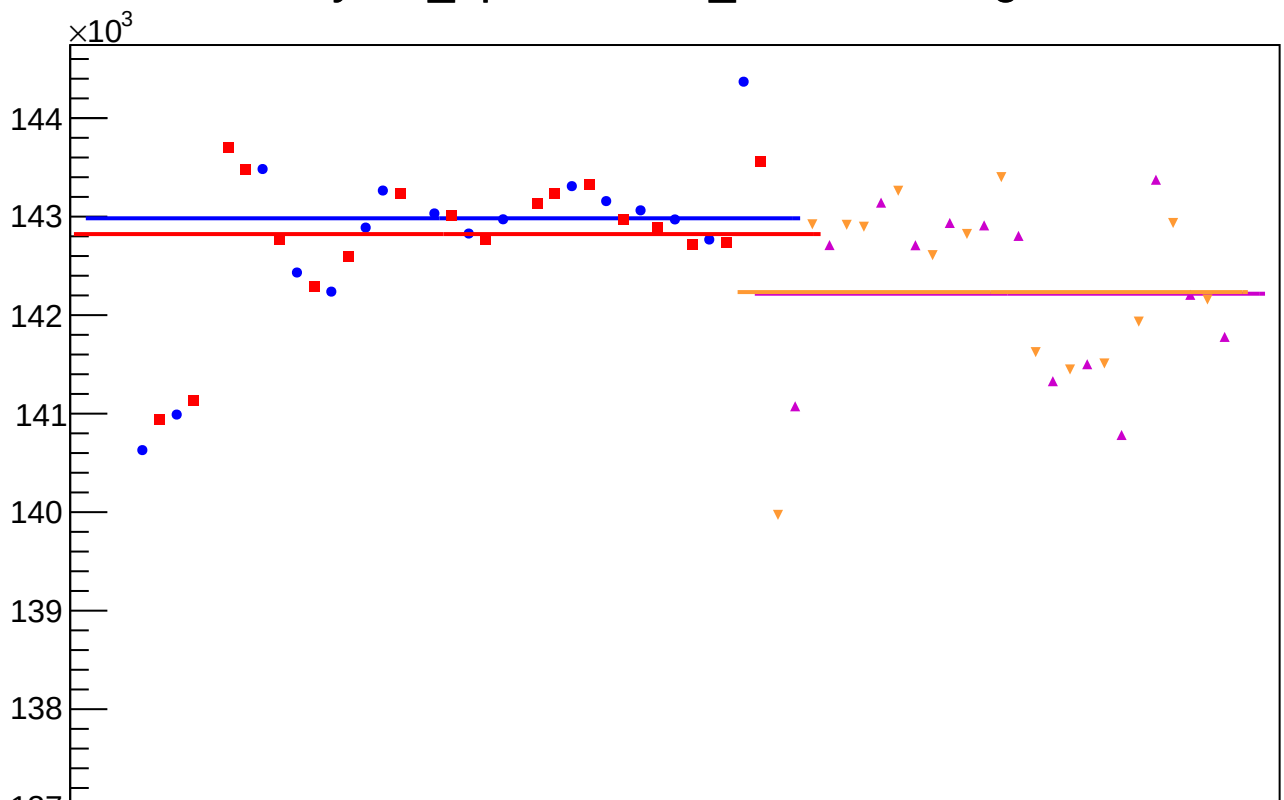
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 218.362+/-0.048 χ^2/NDF:259021.6/12

+ sign 197.213+/-0.034 χ^2/NDF: 1811555.3/29

All: 193.041+/-0.024 χ^2/NDF: 4123553.1/61

- 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: 142233.970+/-0.062 χ^2/NDF:247221986.8/13

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

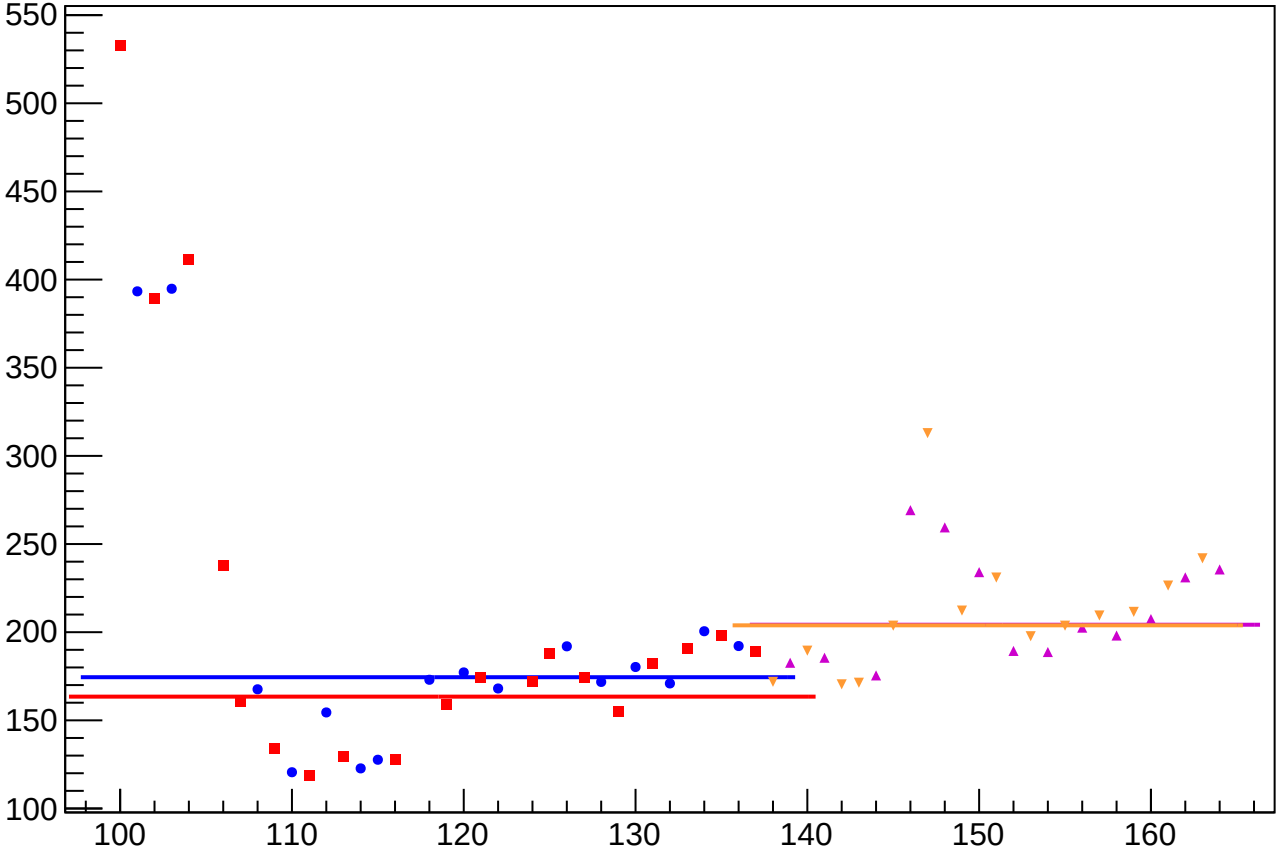
Left In: 142217.362+/-0.063 χ^2/NDF:190446806.9/12

+ sign 142569.677+/-0.046 χ^2/NDF: 419738347.0/2

All: 142541.323+/-0.032 χ^2/NDF: 71998113

- 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: 203.892+/-0.044 χ^2/NDF:438056.9/13

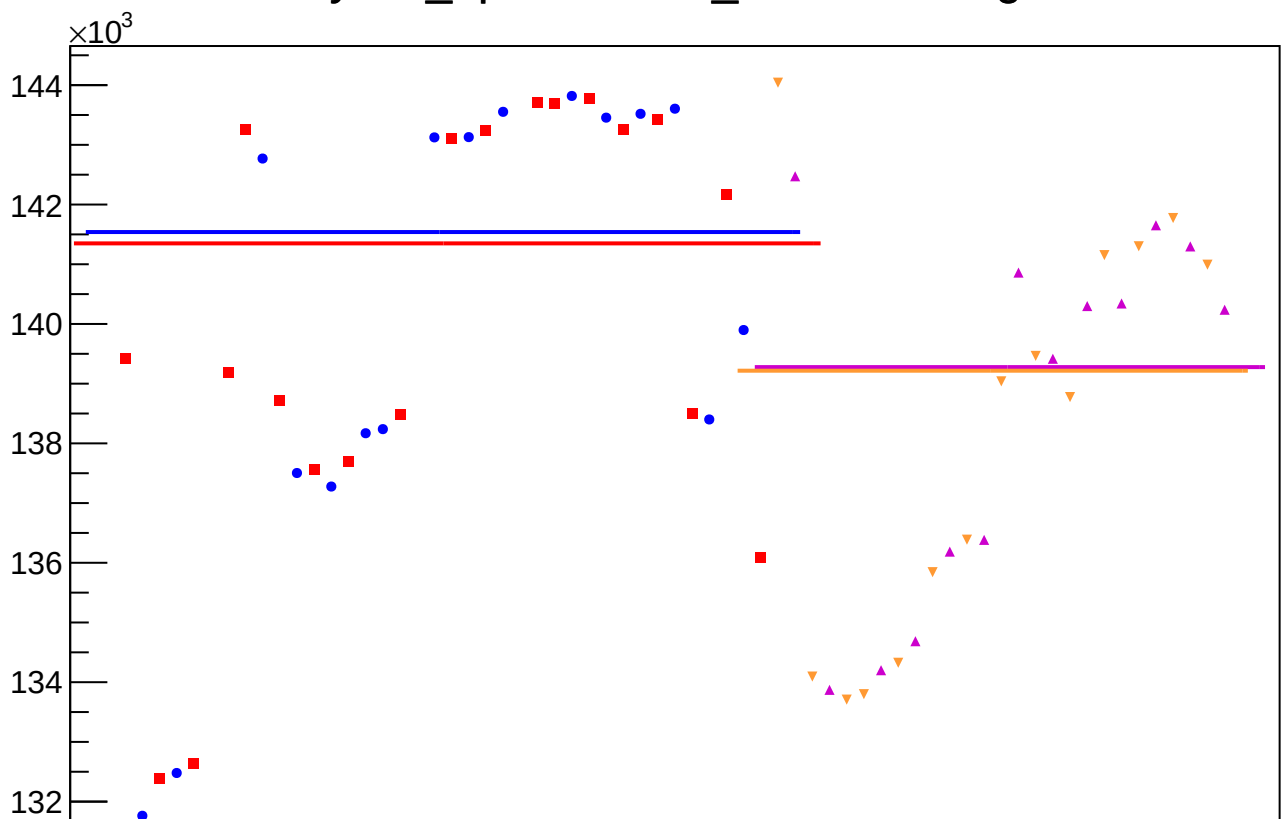
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 204.231+/-0.044 χ^2/NDF:358159.3/12

+ sign 190.704+/-0.033 χ^2/NDF: 1687241.5/29

All: 187.354+/-0.023 χ^2/NDF: 3761131.4/61

- 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: 139217.169+/-0.092 χ^2/NDF:1407424456.5/13

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

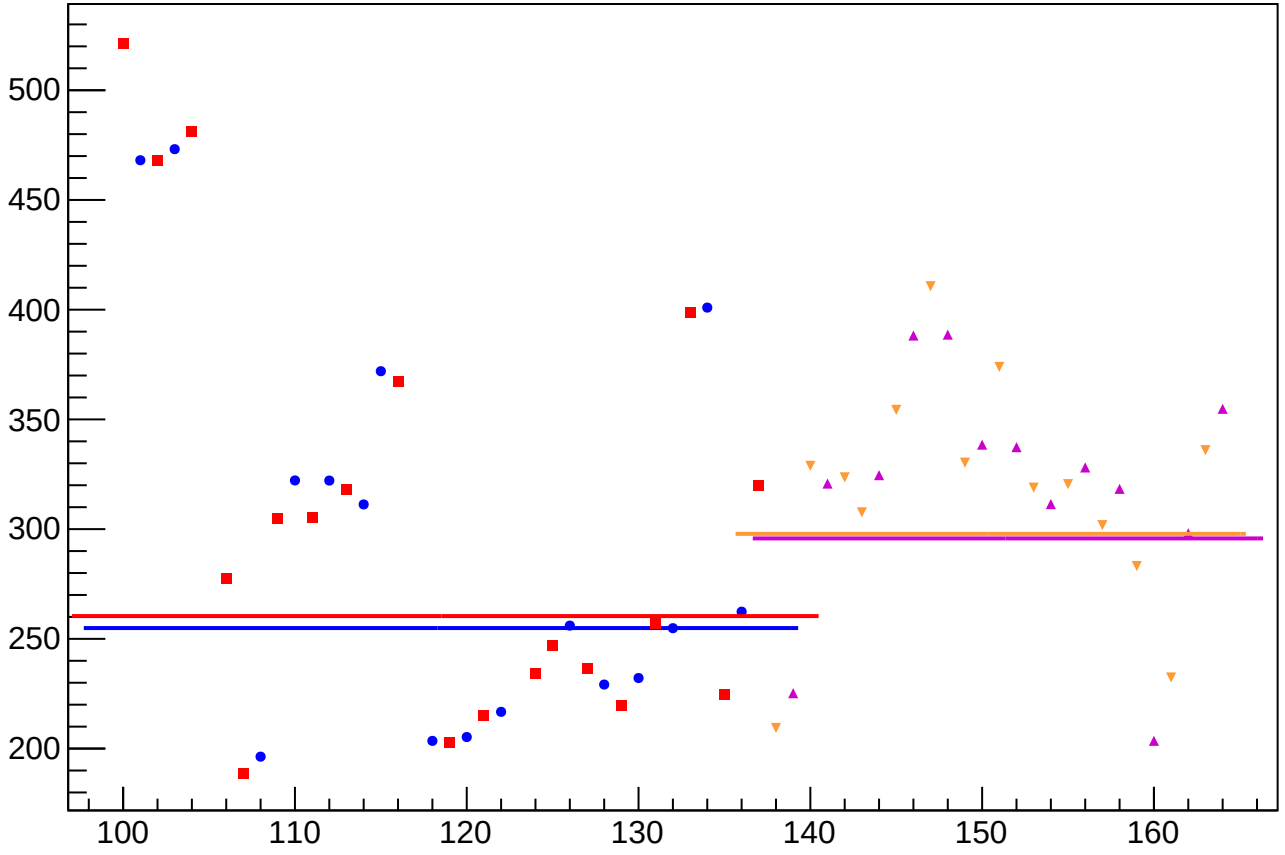
Left In: 139277.336+/-0.093 χ^2/NDF:1032713038.4/12

+ sign 140273.032+/-0.068 χ^2/NDF: 2644561553.5

All: 140248.570+/-0.048 χ^2/NDF: 48326003

- 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: 297.859+/-0.065 χ^2/NDF:705287.8/13

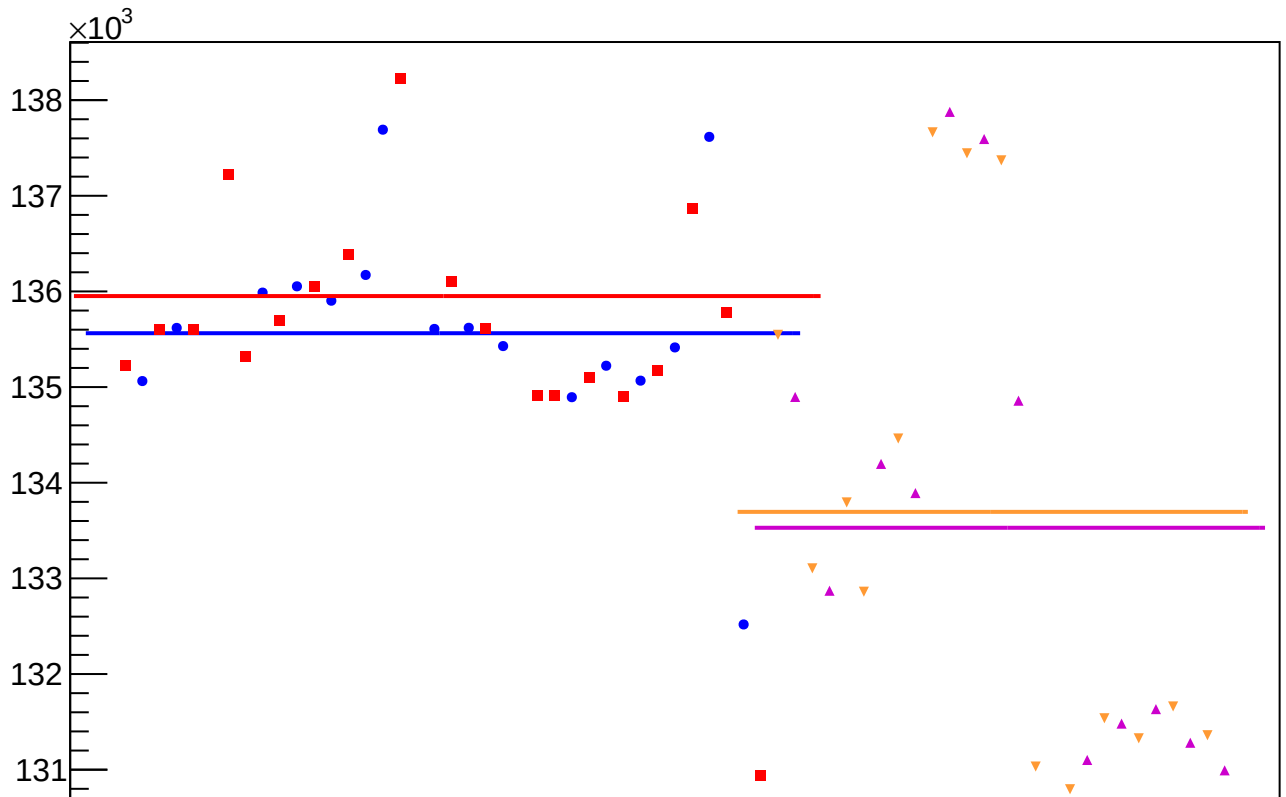
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 295.764+/-0.066 χ^2/NDF:820468.7/12

+ sign 278.336+/-0.048 χ^2/NDF: 1853119.1/29

All: 278.963+/-0.034 χ^2/NDF: 3800515.9/61

- 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: 133695.455+/-0.080 χ^2/NDF:644700397.4/13

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

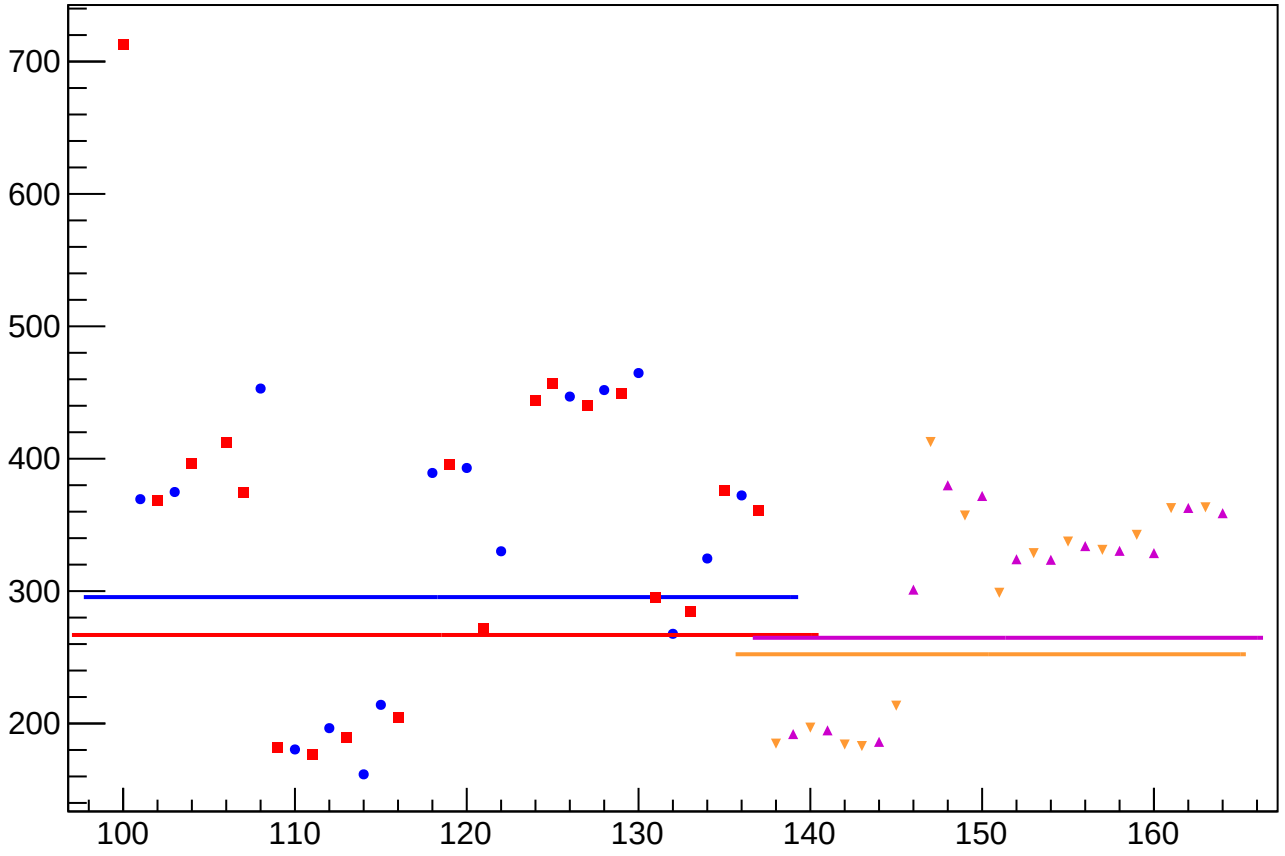
Left In: 133529.084+/-0.084 χ^2/NDF:530328160.5/12

+ sign 134280.790+/-0.066 χ^2/NDF: 909832136.2/2

All: 134371.658+/-0.047 χ^2/NDF: 18545157

- 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: 252.299+/-0.057 χ^2/NDF:1850192.4/13

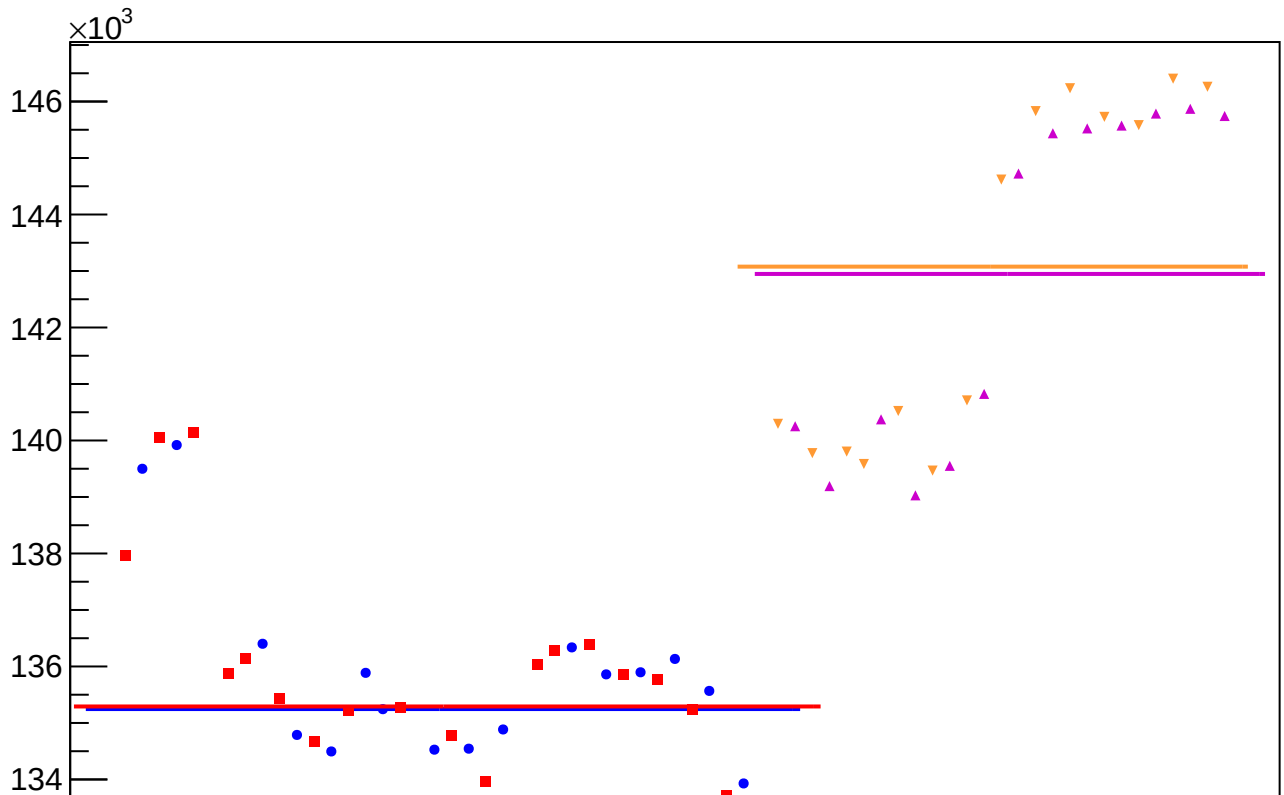
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.741+/-0.060 χ^2/NDF:1606743.7/12

+ sign 265.833+/-0.047 χ^2/NDF: 3475519.6/29

All: 265.695+/-0.033 χ^2/NDF: 6760844.4/61

- 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: 143077.417+/-0.058 χ^2/NDF:2492449161.0/13

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

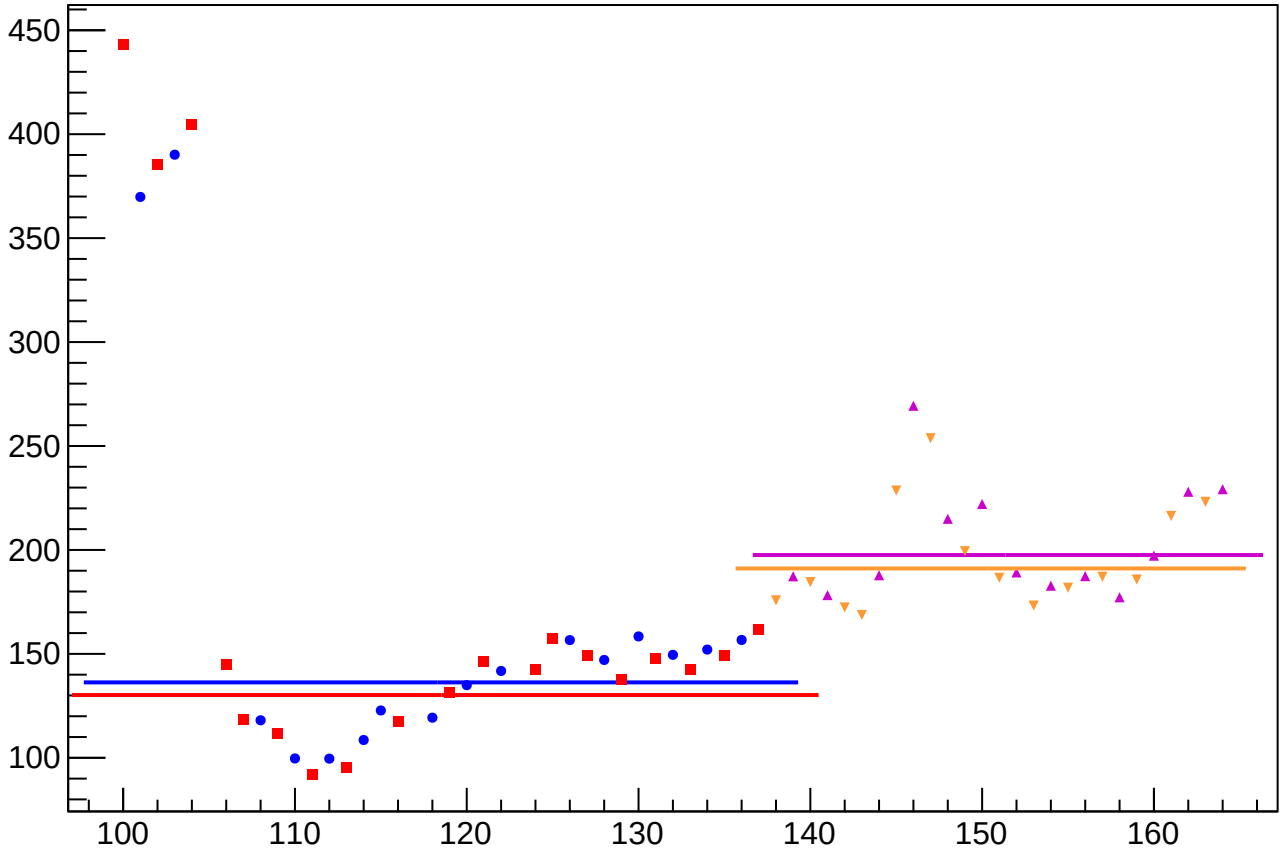
Left In: 142947.904+/-0.061 χ^2/NDF:2149261174.9/12

+ sign 138916.343+/-0.040 χ^2/NDF: 12478807463.

All: 138708.628+/-0.028 χ^2/NDF: 24251461

- 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: 191.098+/-0.041 χ^2/NDF:272763.6/13

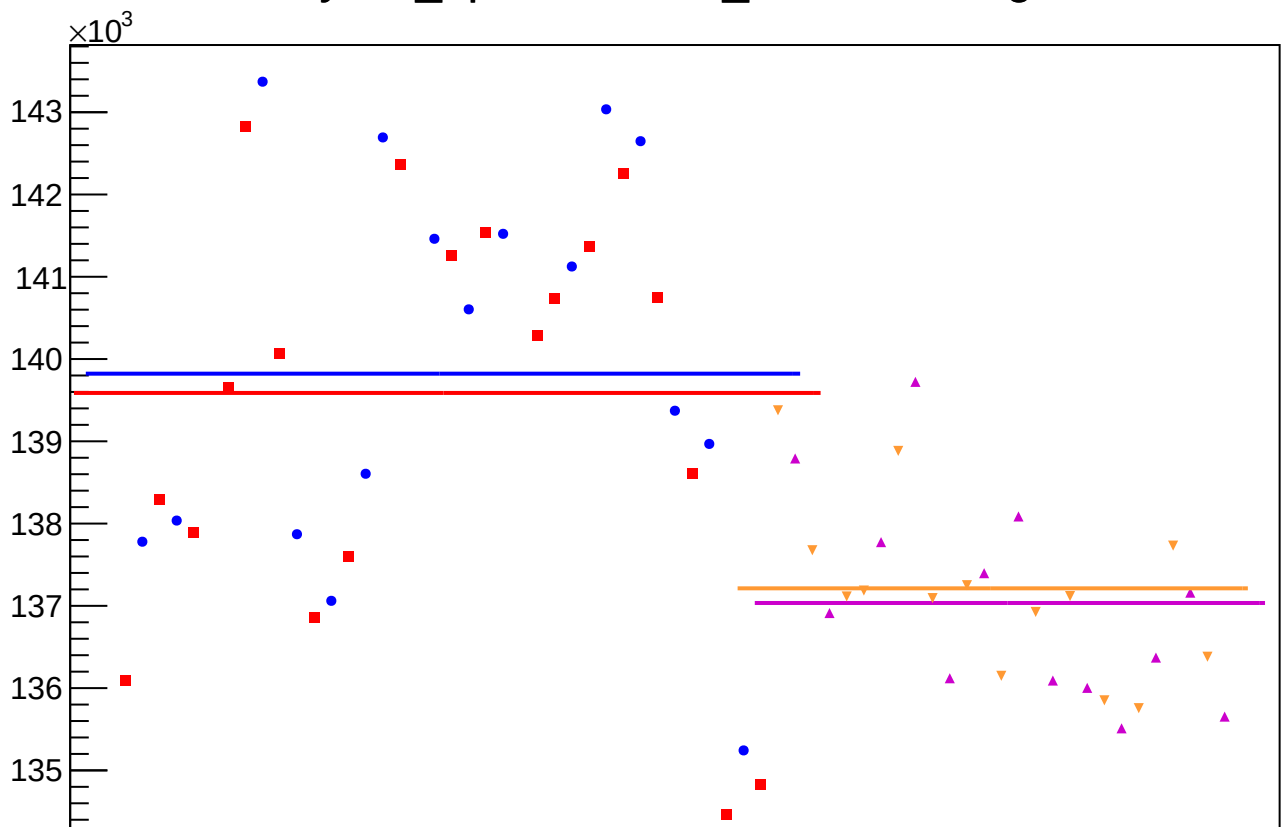
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.548+/-0.043 χ^2/NDF:274305.8/12

+ sign 161.973+/-0.028 χ^2/NDF: 2597253.6/29

All: 160.204+/-0.020 χ^2/NDF: 5821918.9/61

- 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: 137212.825+/-0.060 χ^2/NDF:294228515.4/13

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

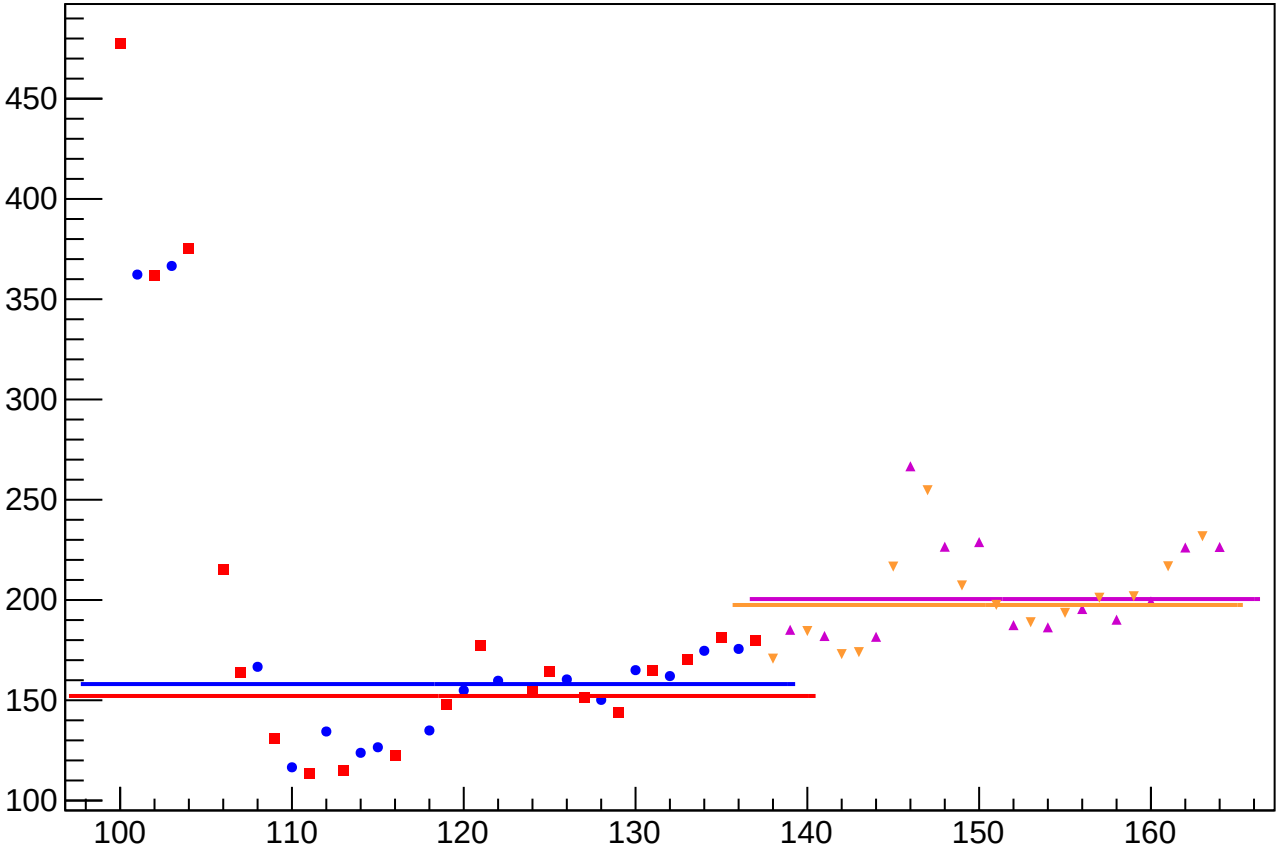
Left In: 137034.790+/-0.062 χ^2/NDF:349782944.4/12

+ sign 138469.408+/-0.043 χ^2/NDF: 2858548847.9

All: 138412.032+/-0.031 χ^2/NDF: 55764510

- 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: 197.519+/-0.043 χ^2/NDF:242054.2/13

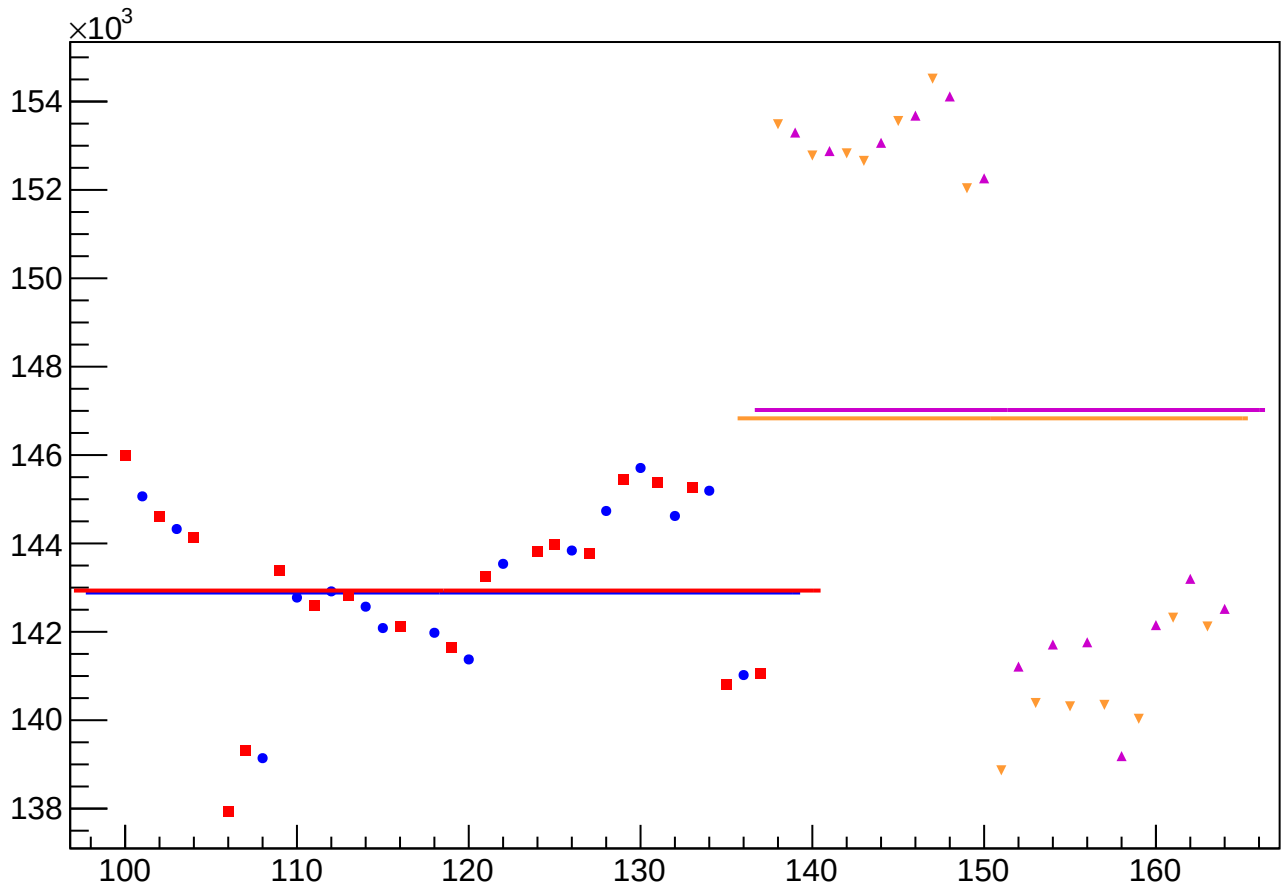
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.476+/-0.044 χ^2/NDF:262353.8/12

+ sign 178.526+/-0.031 χ^2/NDF: 1671647.2/29

All: 176.978+/-0.022 χ^2/NDF: 3800182.8/61

- 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: 146830.852+/-0.061 χ^2/NDF:10690551276.5/13

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

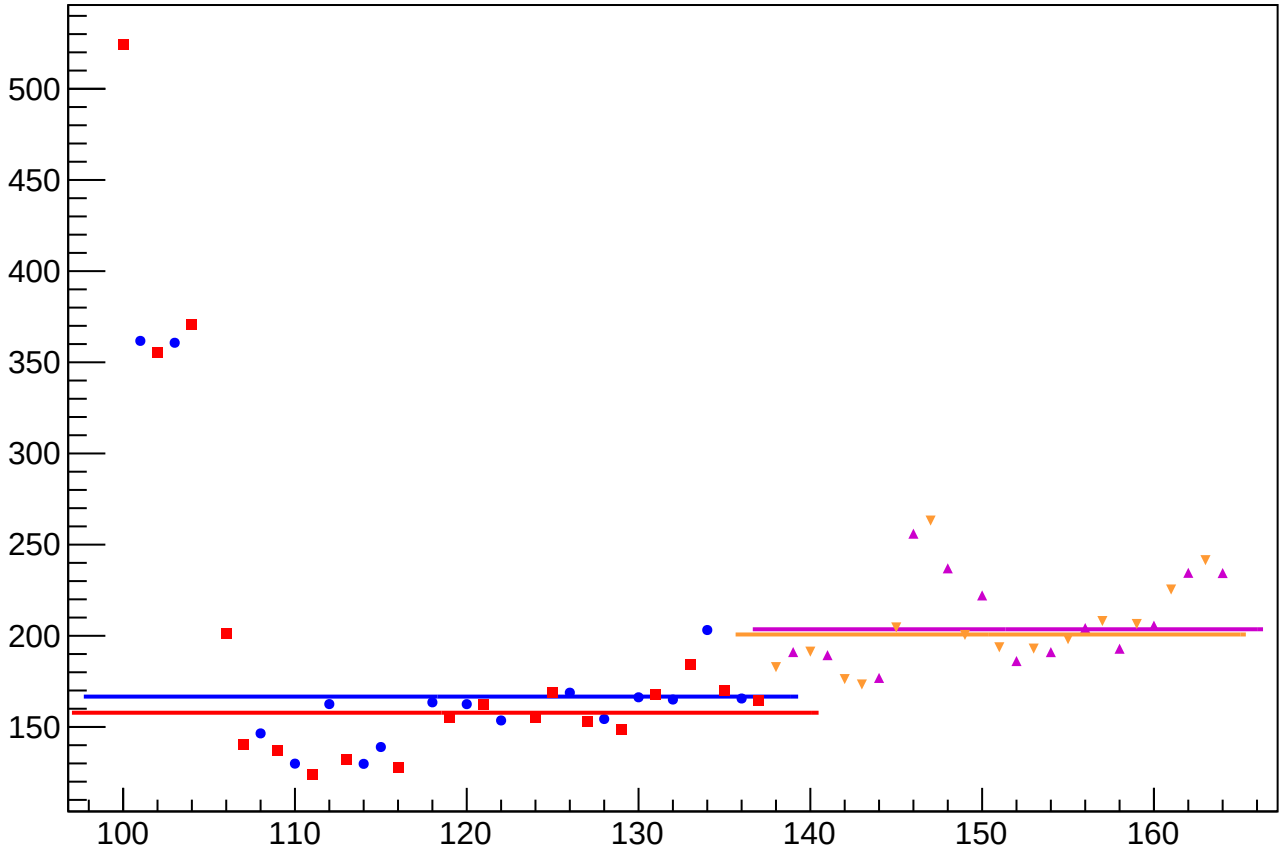
Left In: 147019.727+/-0.063 χ^2/NDF:8848888088.0/12

+ sign 144997.684+/-0.045 χ^2/NDF: 13379873858.

All: 144967.087+/-0.031 χ^2/NDF: 25179088

- sign 144937.665+/-0.044 χ^2/NDF: 11798299741.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 200.726+/-0.043 χ^2/NDF:241039.1/13

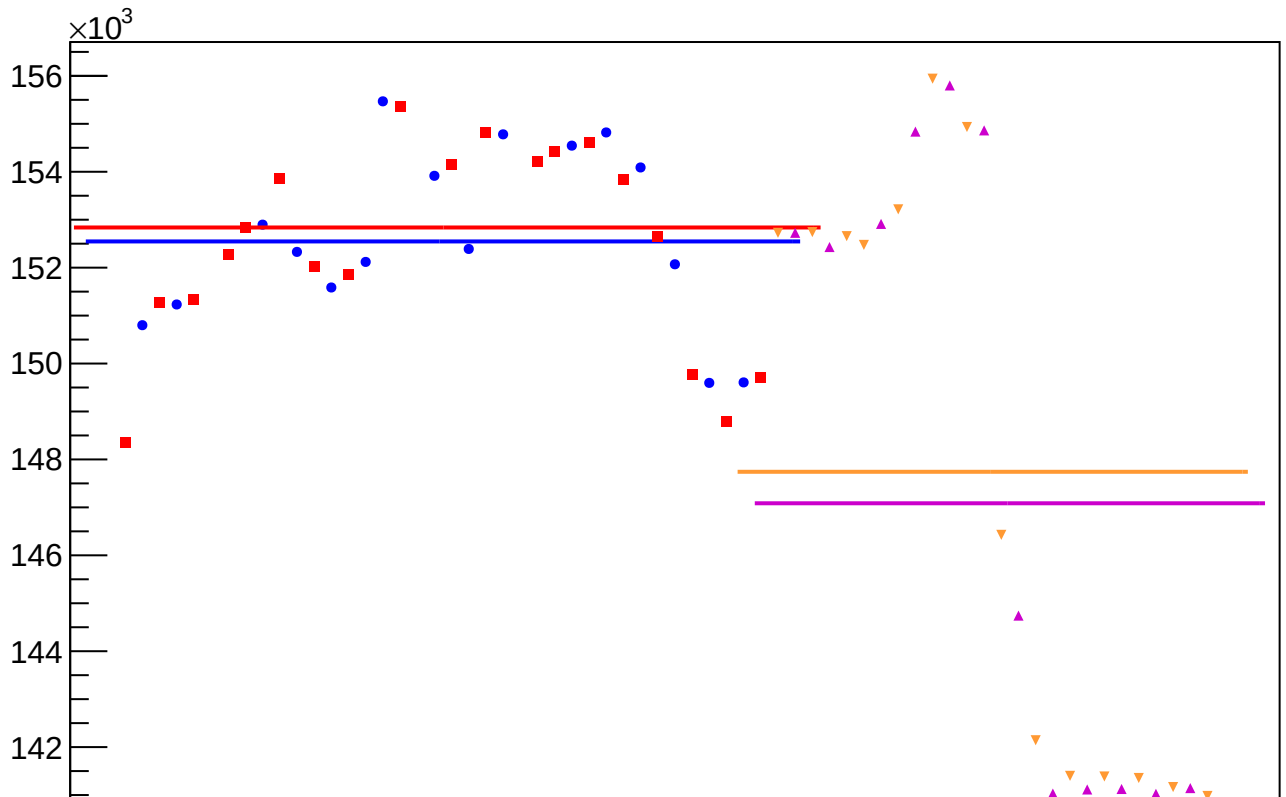
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 203.583+/-0.044 χ^2/NDF:249491.3/12

+ sign 184.880+/-0.032 χ^2/NDF: 1392423.0/29

All: 182.524+/-0.022 χ^2/NDF: 3217812.4/61

- 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: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

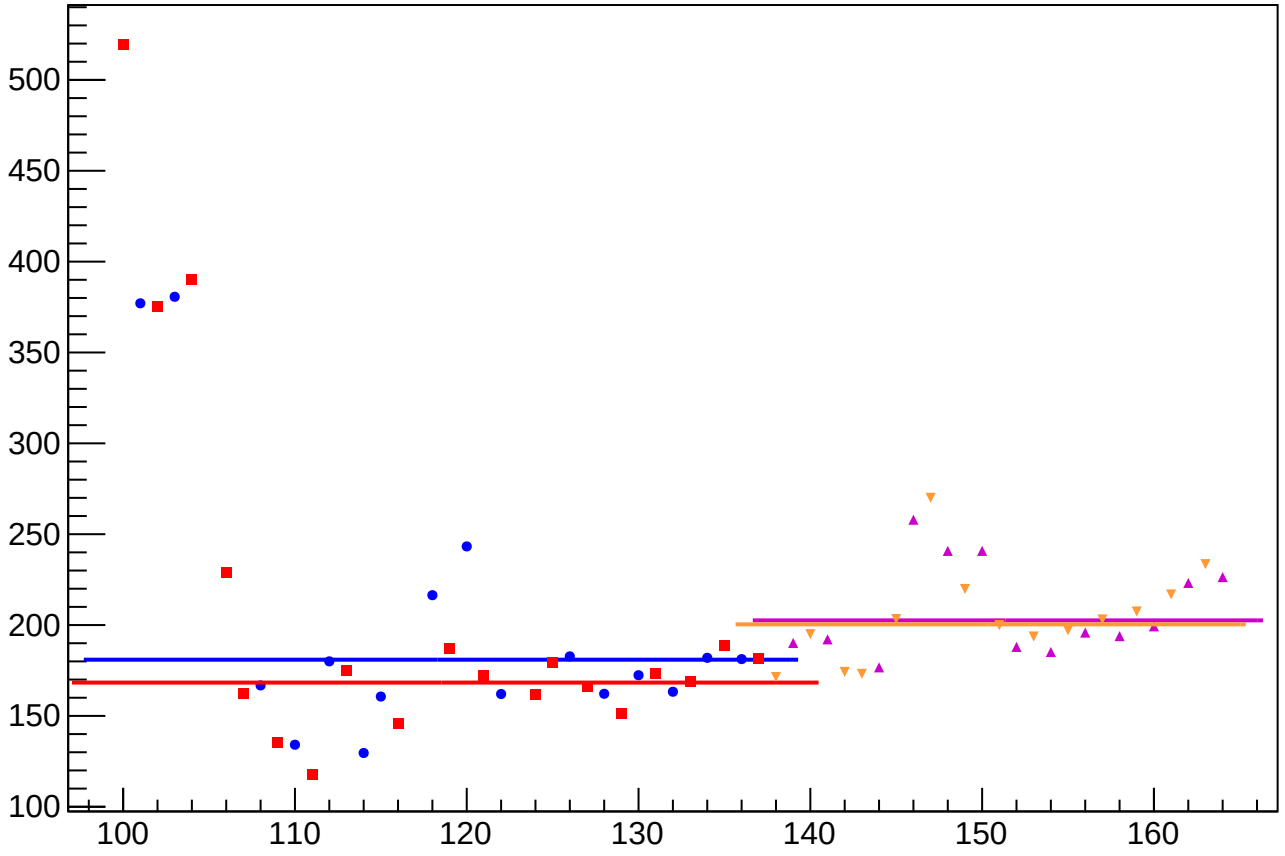
Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

+ sign 149726.811+/-0.047 χ^2/NDF: 12114961224.

All: 149745.890+/-0.033 χ^2/NDF: 26388586

- 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: 200.379+/-0.043 χ^2/NDF:272765.0/13

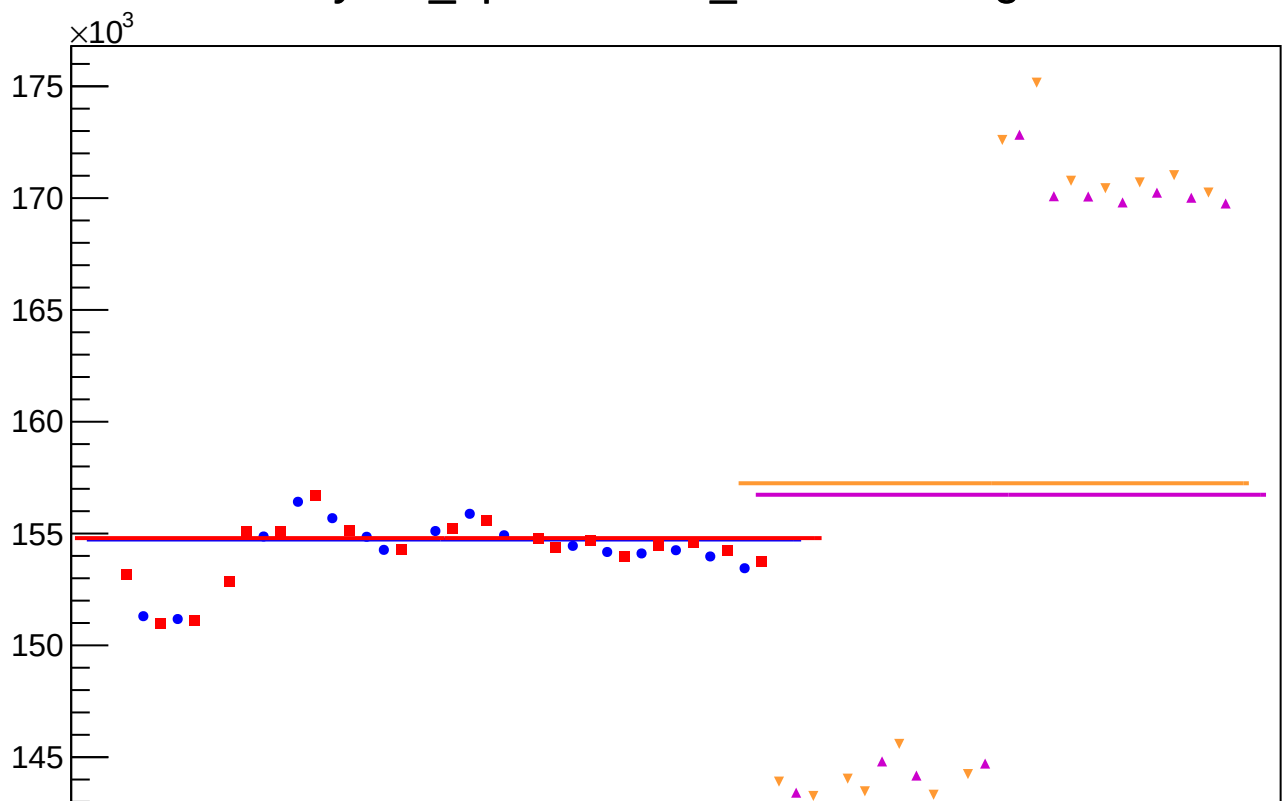
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

+ sign 192.350+/-0.033 χ^2/NDF: 1264666.5/29

All: 189.420+/-0.023 χ^2/NDF: 2924933.6/61

- sign 186.638+/-0.032 χ^2/NDF: 1644904.0/31



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157248.553+/-0.056 χ^2/NDF:61391952295.9/13

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

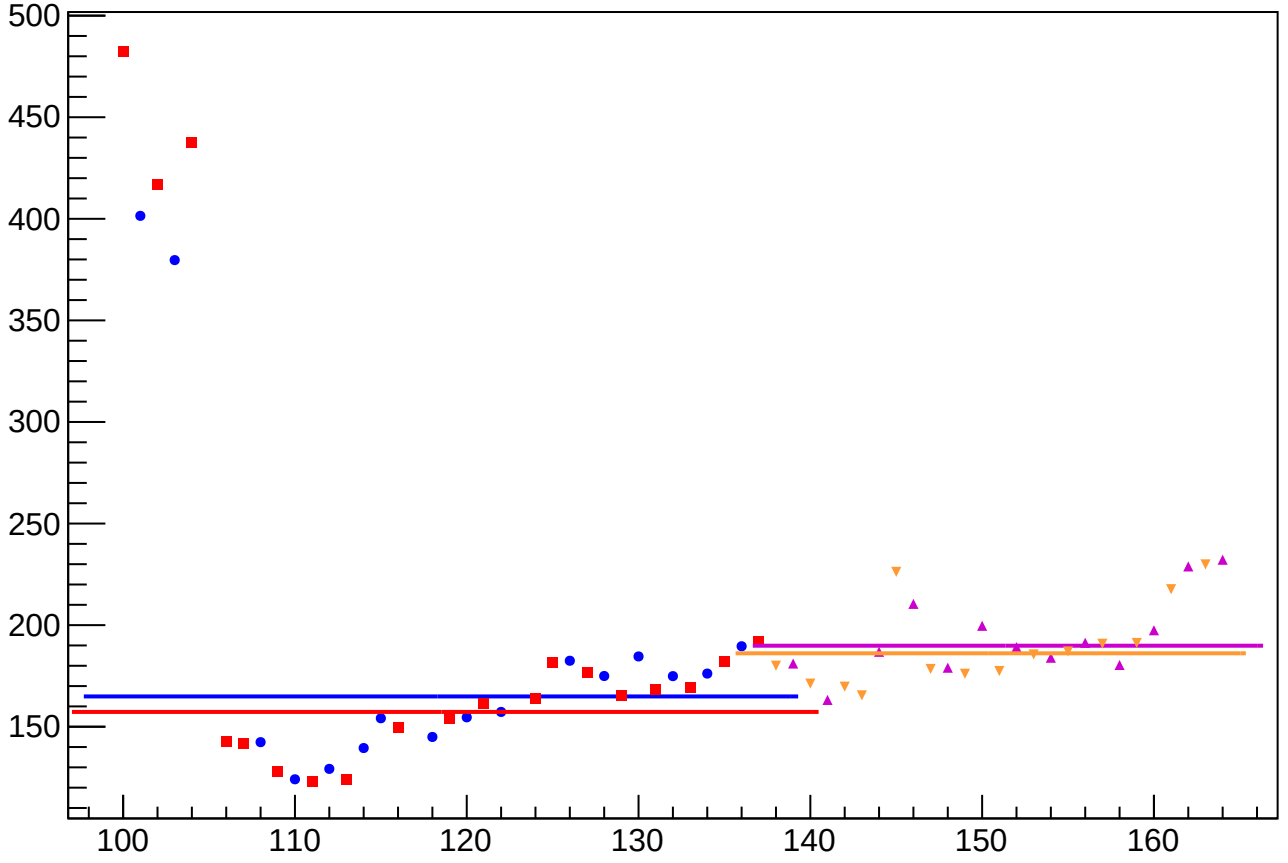
Left In: 156734.824+/-0.058 χ^2/NDF:54072926523.1/12

+ sign 156172.642+/-0.043 χ^2/NDF: 62518304230.

All: 155991.422+/-0.030 χ^2/NDF: 11746095

- 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: 186.134+/-0.040 χ^2/NDF:207297.1/13

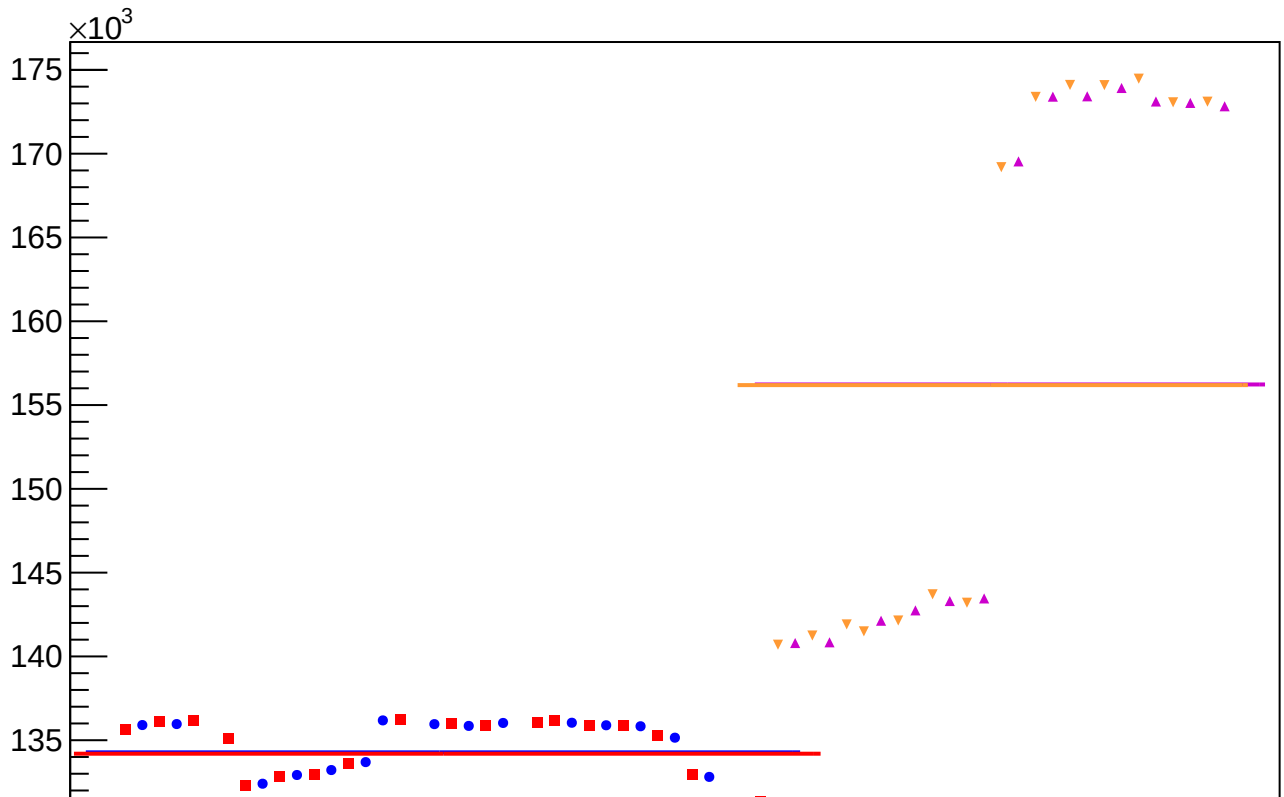
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 189.877+/-0.041 χ^2/NDF:173241.5/12

\+ sign 177.055+/-0.030 χ^2/NDF: 1401370.9/29

All: 175.717+/-0.021 χ^2/NDF: 3132848.0/61

\- 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: 156190.235+/-0.057 χ^2/NDF:74145793696.3/13

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

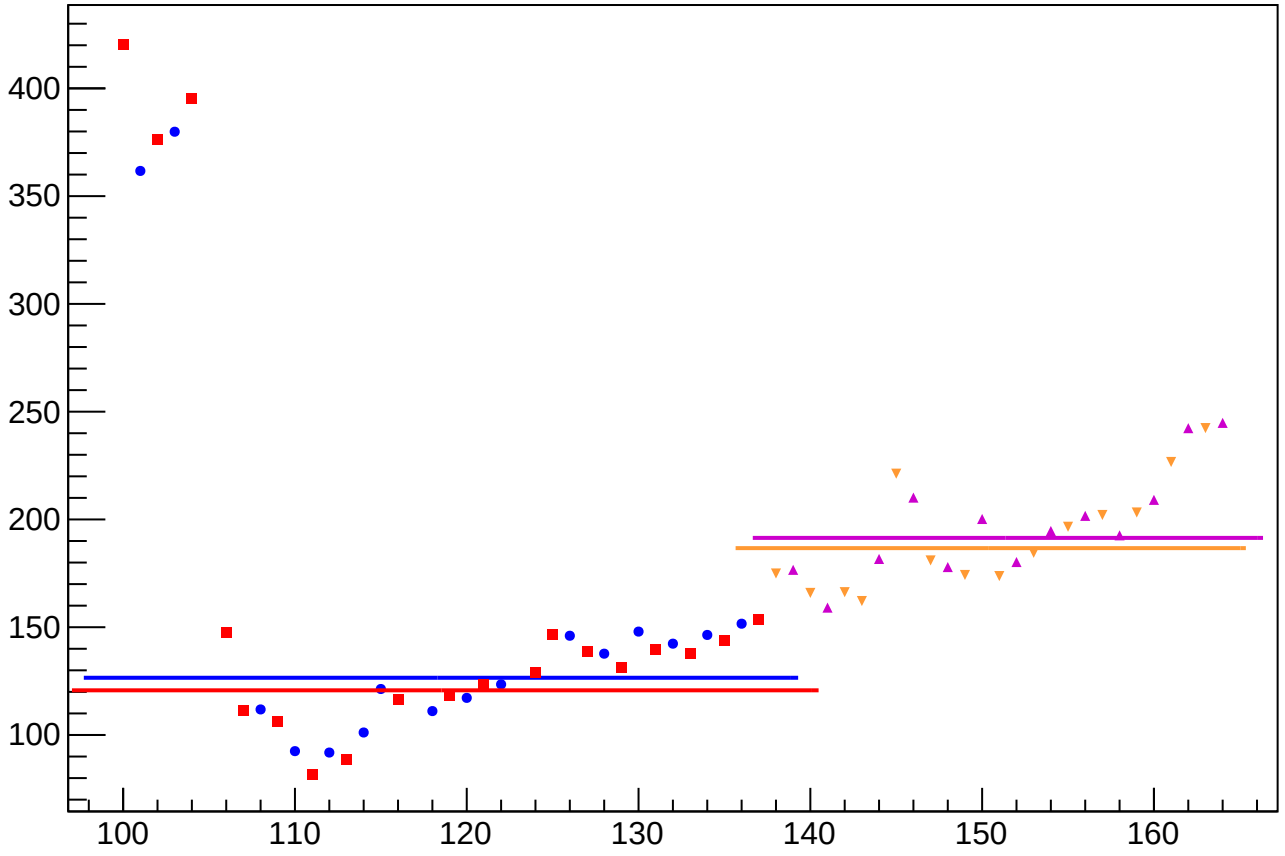
Left In: 156228.549+/-0.059 χ^2/NDF:67898931825.0/12

+ sign 144041.831+/-0.038 χ^2/NDF: 158134168068

All: 143523.128+/-0.027 χ^2/NDF: 31212324

- 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: 186.691+/-0.040 χ^2/NDF:304604.8/13

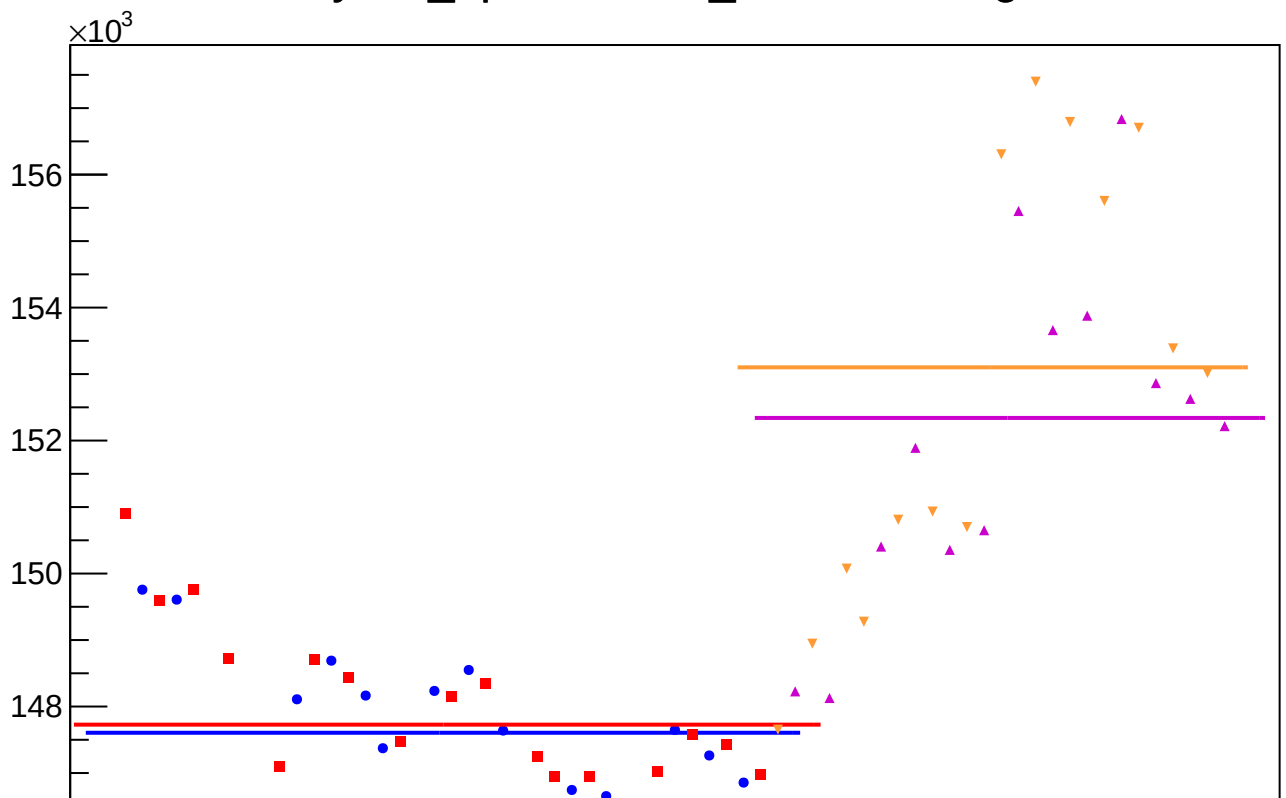
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 191.441+/-0.041 χ^2/NDF:265521.3/12

+ sign 153.352+/-0.027 χ^2/NDF: 3029942.3/29

All: 151.165+/-0.019 χ^2/NDF: 6682579.9/61

- 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: 153101.612+/-0.062 χ^2/NDF:2908188189.3/13

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

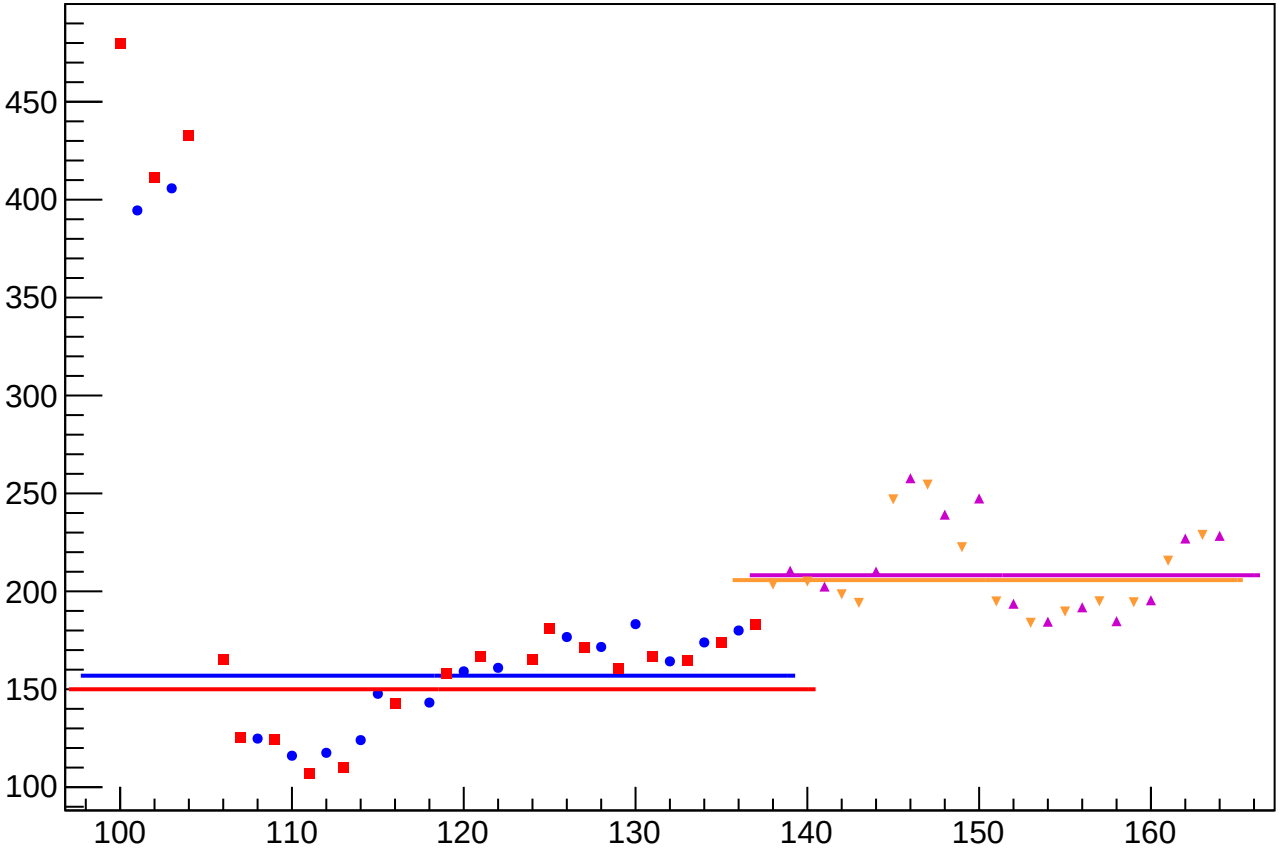
Left In: 152340.519+/-0.064 χ^2/NDF:1709991750.2/12

+ sign 150359.721+/-0.044 χ^2/NDF: 6986897101.0

All: 150101.204+/-0.031 χ^2/NDF: 11781366

- 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: 205.733+/-0.044 χ^2/NDF:192047.0/13

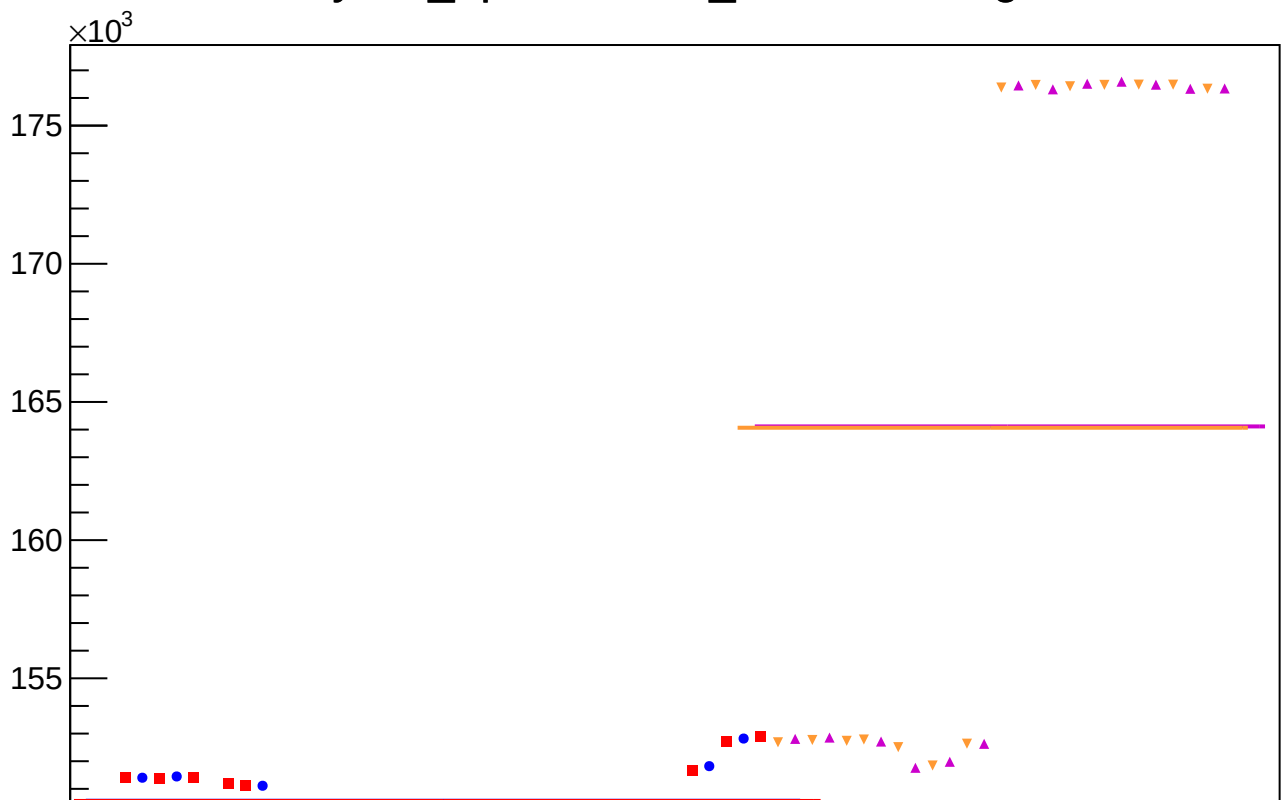
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 208.216+/-0.045 χ^2/NDF:243942.3/12

+ sign 181.384+/-0.031 χ^2/NDF: 2069469.5/29

All: 179.055+/-0.022 χ^2/NDF: 4677490.3/61

- 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: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

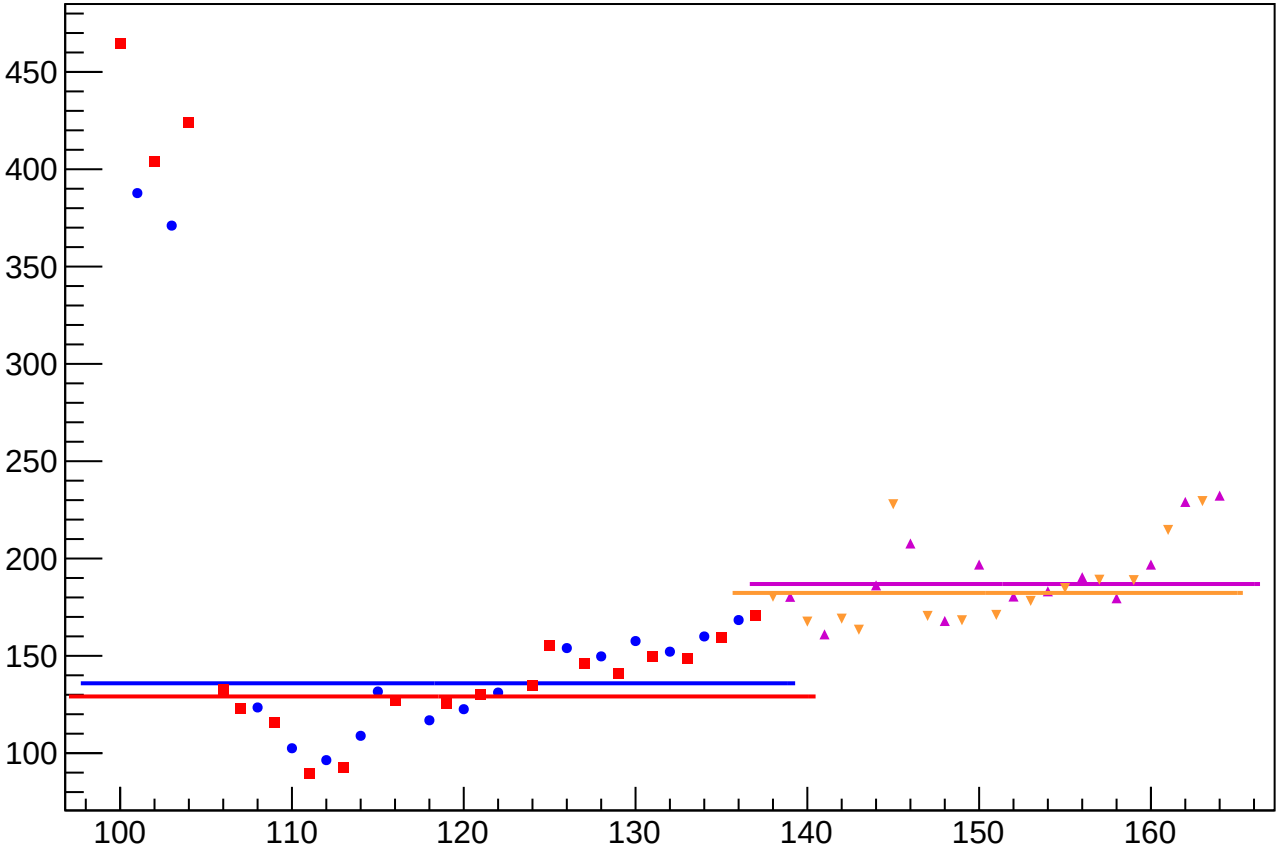
Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

+ sign 157245.186+/-0.039 χ^2/NDF: 77195433890.

All: 156899.219+/-0.027 χ^2/NDF: 15278107

- 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: 182.327+/-0.039 χ^2/NDF:244000.7/13

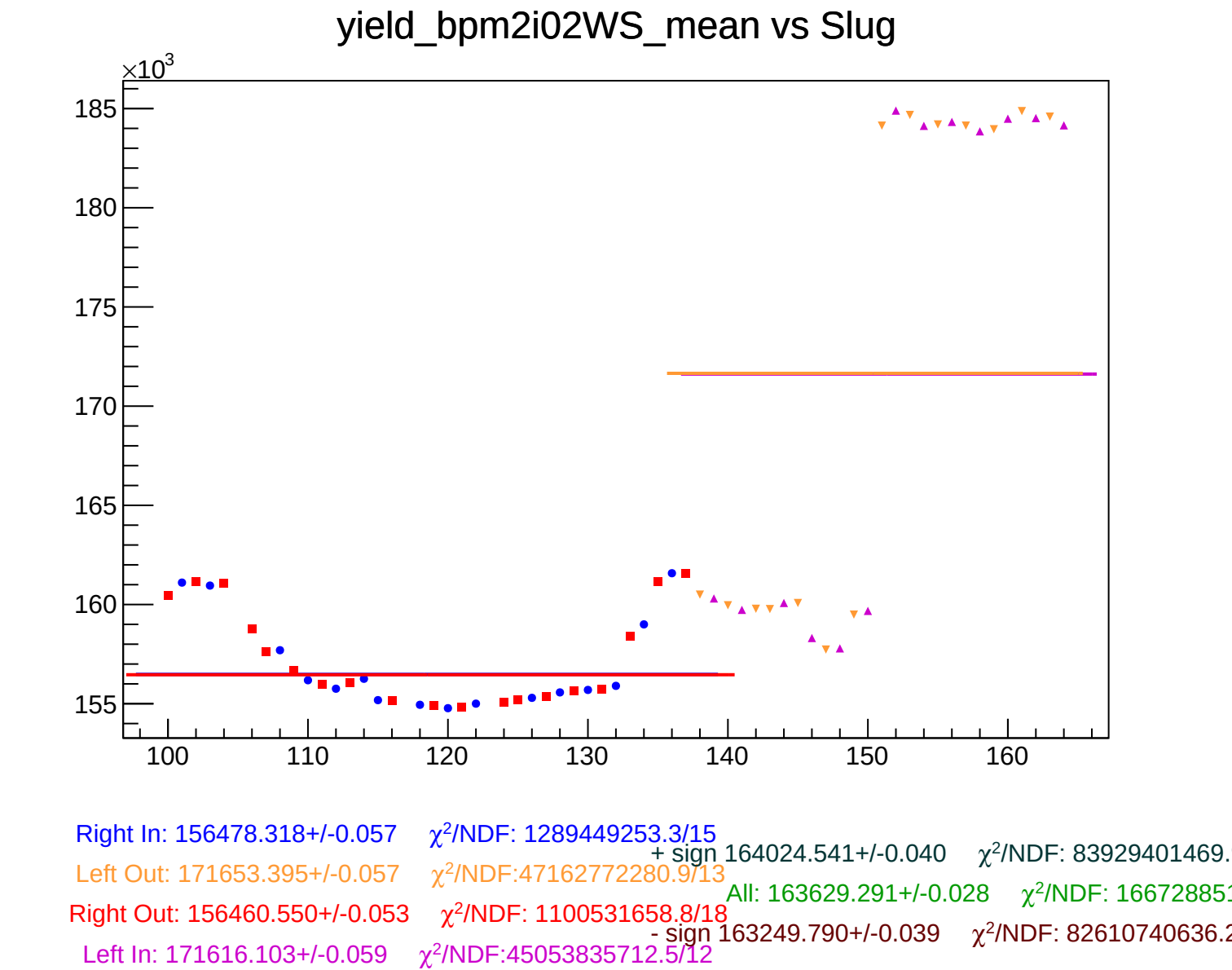
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

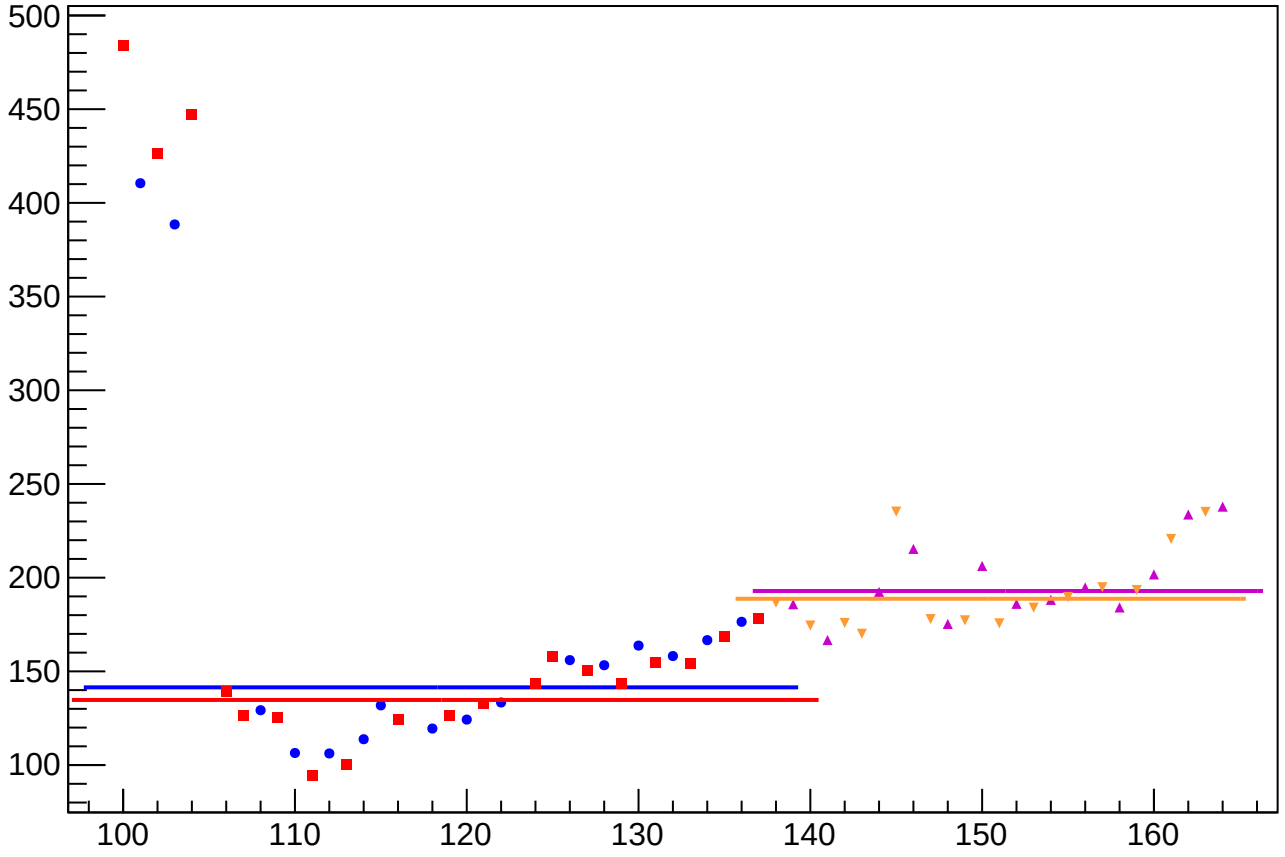
+ sign 158.862+/-0.027 χ^2/NDF: 2375421.5/29

All: 156.754+/-0.019 χ^2/NDF: 5339966.1/61

- 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: 171653.395+/-0.057 χ²/NDF:47162772280.9/13
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 171616.103+/-0.059 χ²/NDF:45053835712.5/12
+ sign 164024.541+/-0.040 χ²/NDF: 83929401469.
All: 163629.291+/-0.028 χ²/NDF: 16672885
- 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: 188.751+/-0.040 χ^2/NDF:223532.3/13

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

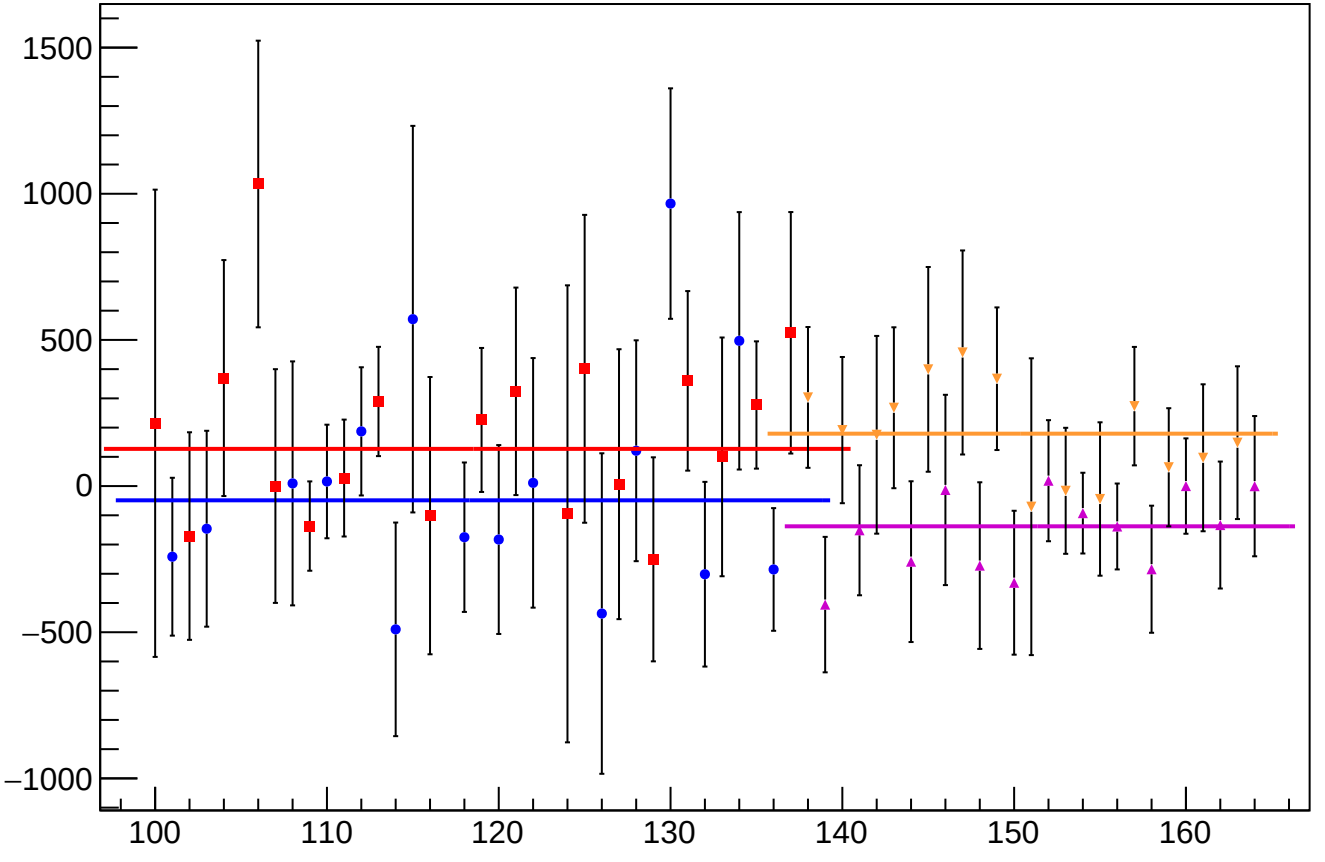
Left In: 192.891+/-0.042 χ^2/NDF:190385.9/12

+ sign 164.982+/-0.028 χ^2/NDF: 2304271.6/29

All: 162.845+/-0.020 χ^2/NDF: 5157935.4/61

- 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: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

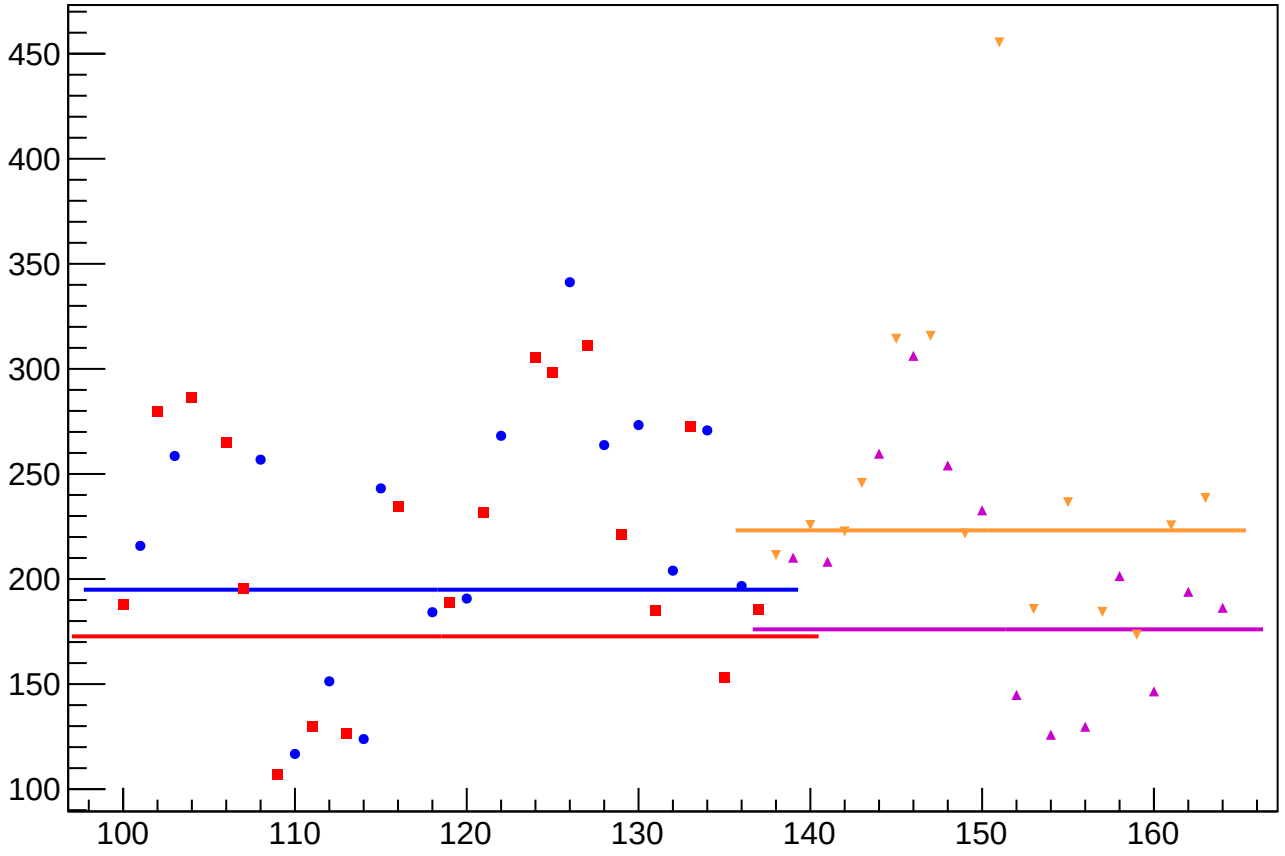
Left In: -137.662+/-56.826 χ^2/NDF:4.7/12

+ sign 76.461+/-51.431 χ^2/NDF: 24.7/29

All: 14.865+/-33.318 χ^2/NDF: 53.6/61

- 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: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

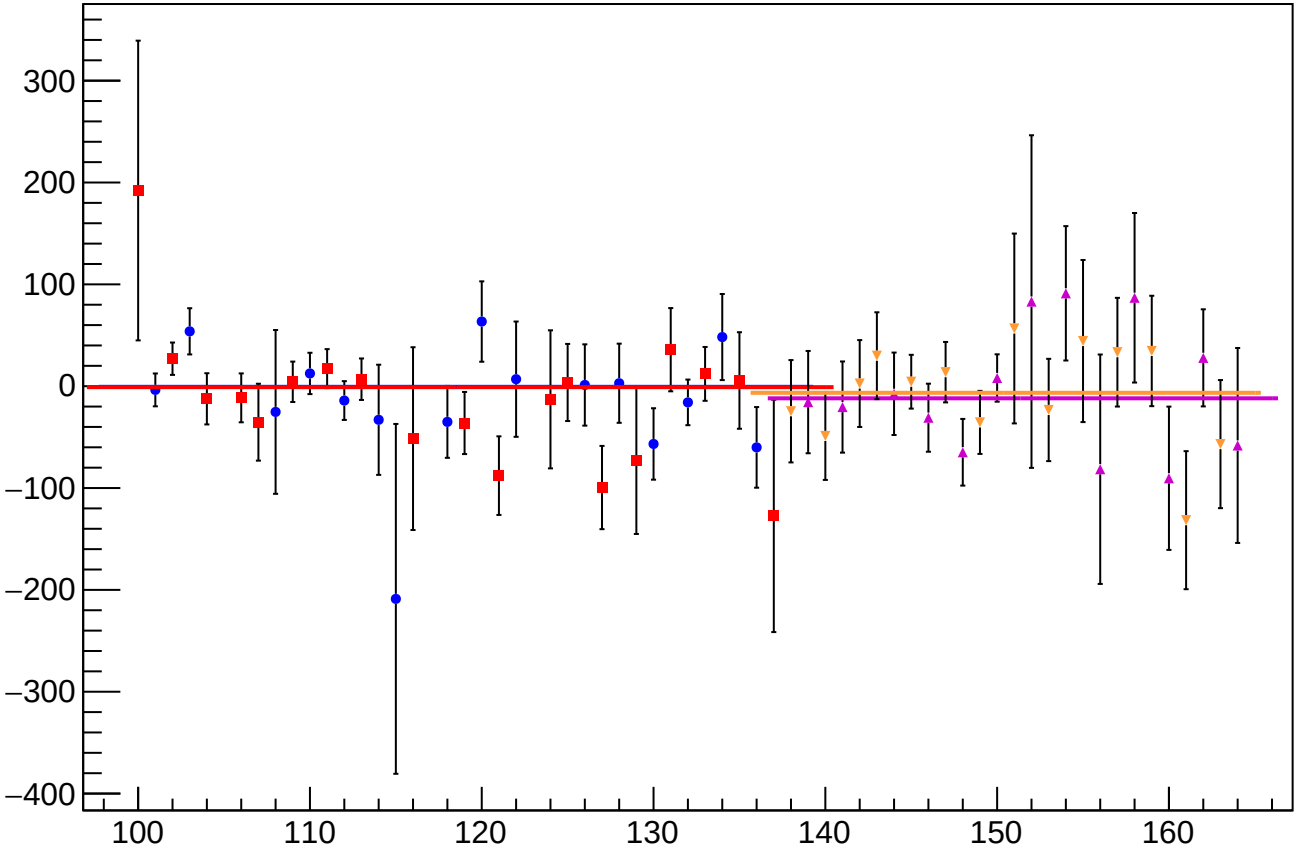
Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

+ sign 210.426+/-0.036 χ^2/NDF: 2157841.4/29

All: 189.685+/-0.024 χ^2/NDF: 5816241.5/61

- 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: -6.472+/-11.564 χ^2/NDF:9.5/13

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

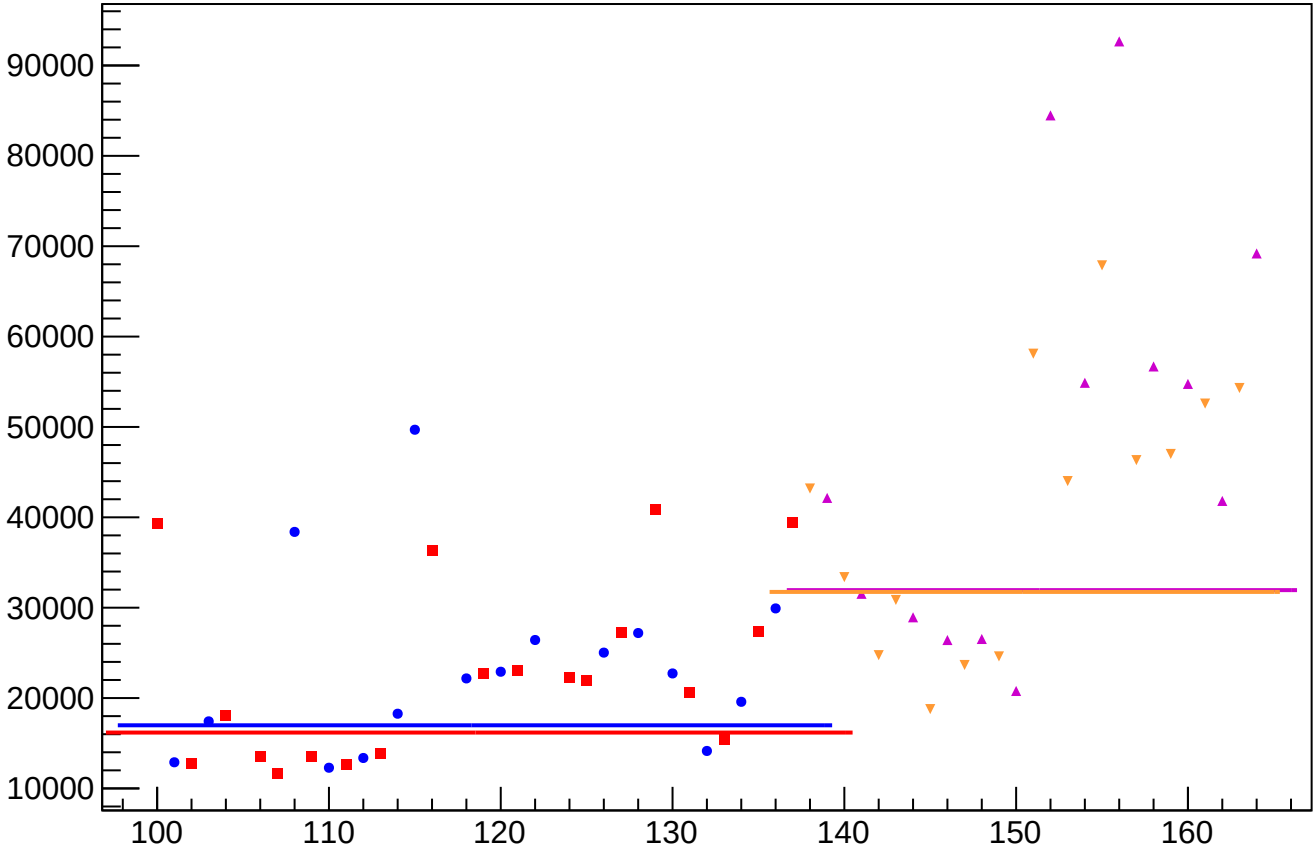
Left In: -11.903+/-12.474 χ^2/NDF:10.5/12

+ sign -2.303+/-6.197 χ^2/NDF: 28.6/29

All: -2.890+/-4.291 χ^2/NDF: 62.8/61

- 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: 31745.510+/-8.177 χ^2/NDF:2344864.1/13

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

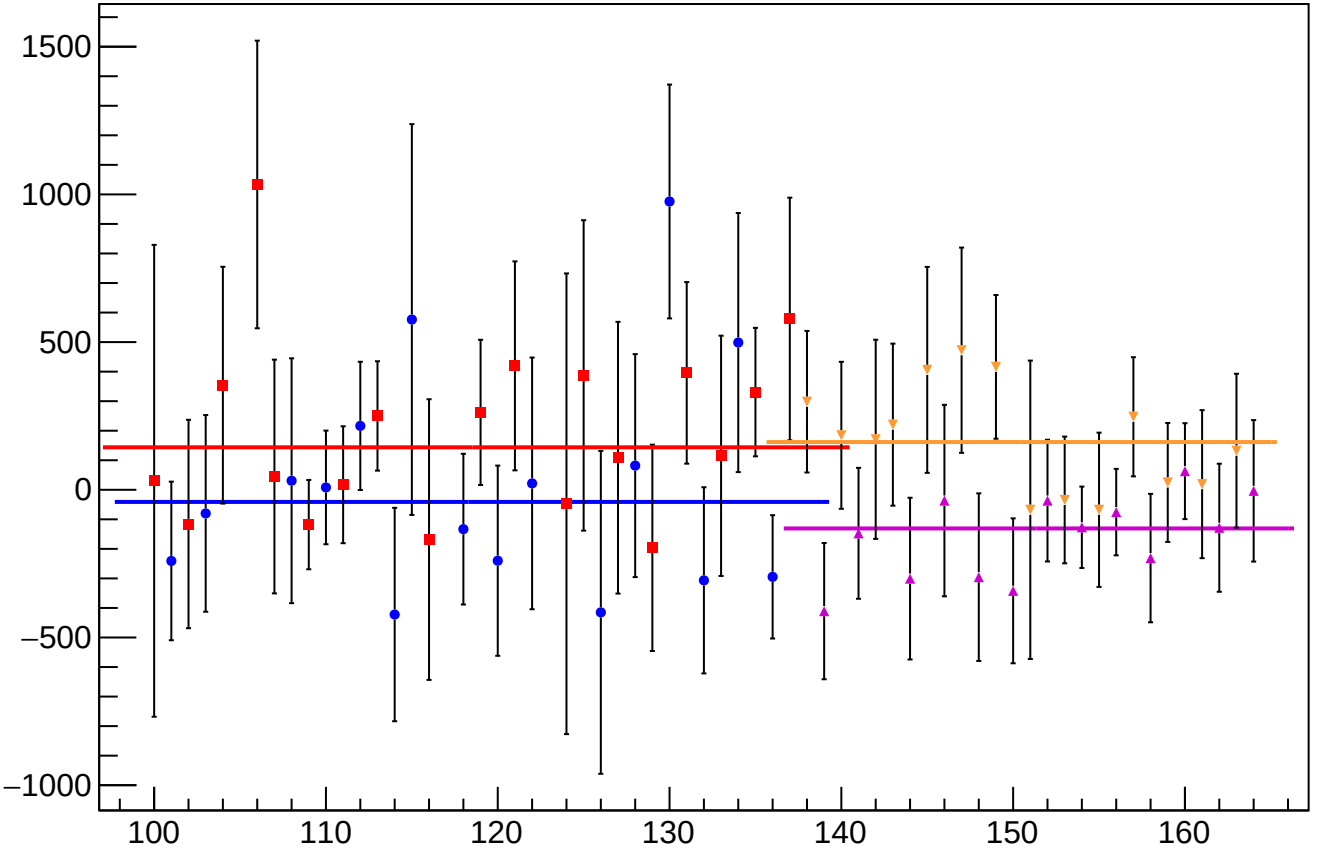
Left In: 31943.476+/-8.820 χ^2/NDF:2469754.4/12

+ sign 21225.191+/-4.382 χ^2/NDF: 5861197.5/29

All: 20465.609+/-3.034 χ^2/NDF: 12107313.5

- 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: 161.640+/-69.119 χ^2/NDF:5.6/13

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

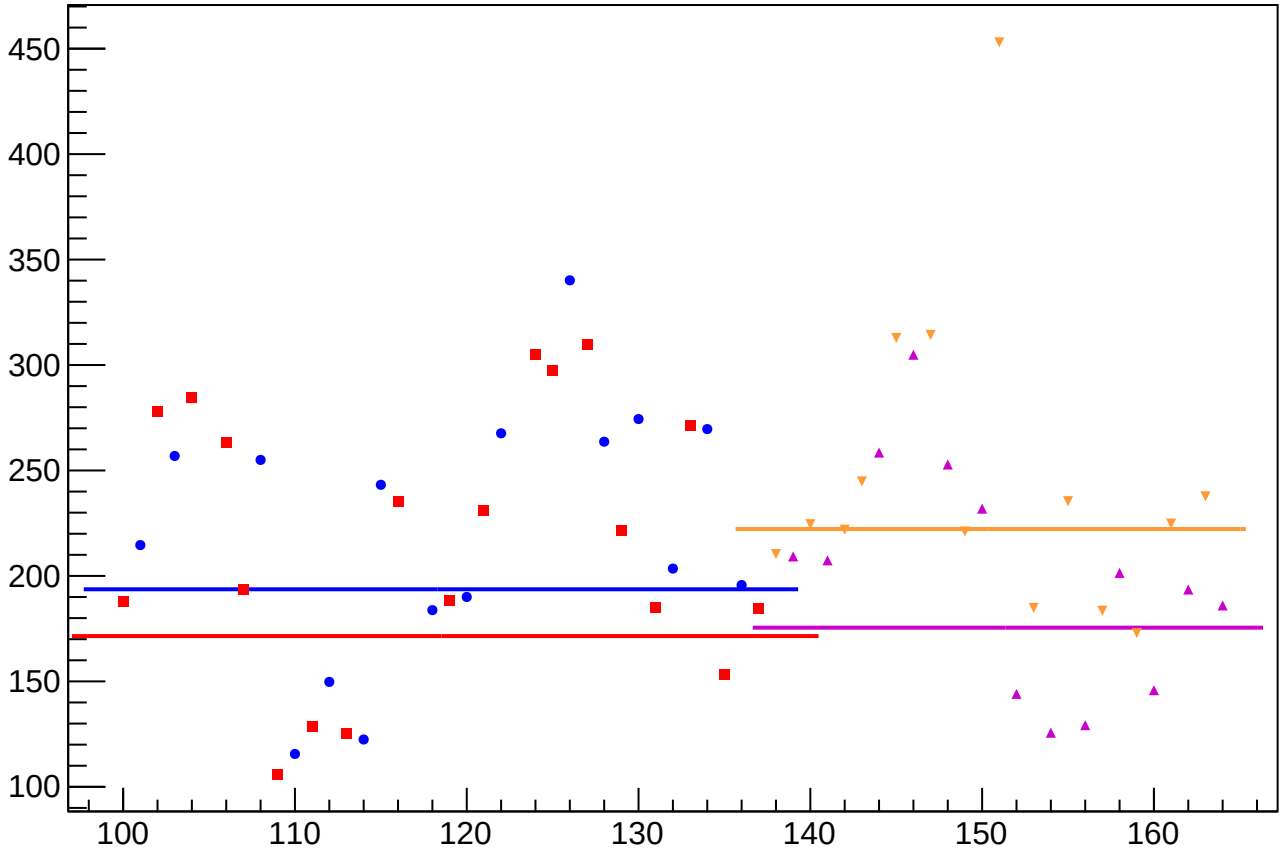
Left In: -130.853+/-56.635 χ^2/NDF:5.3/12

+ sign 70.092+/-51.182 χ^2/NDF: 24.9/29

All: 18.686+/-33.163 χ^2/NDF: 54.6/61

- 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: 222.245+/-0.049 χ^2/NDF:978514.4/13

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

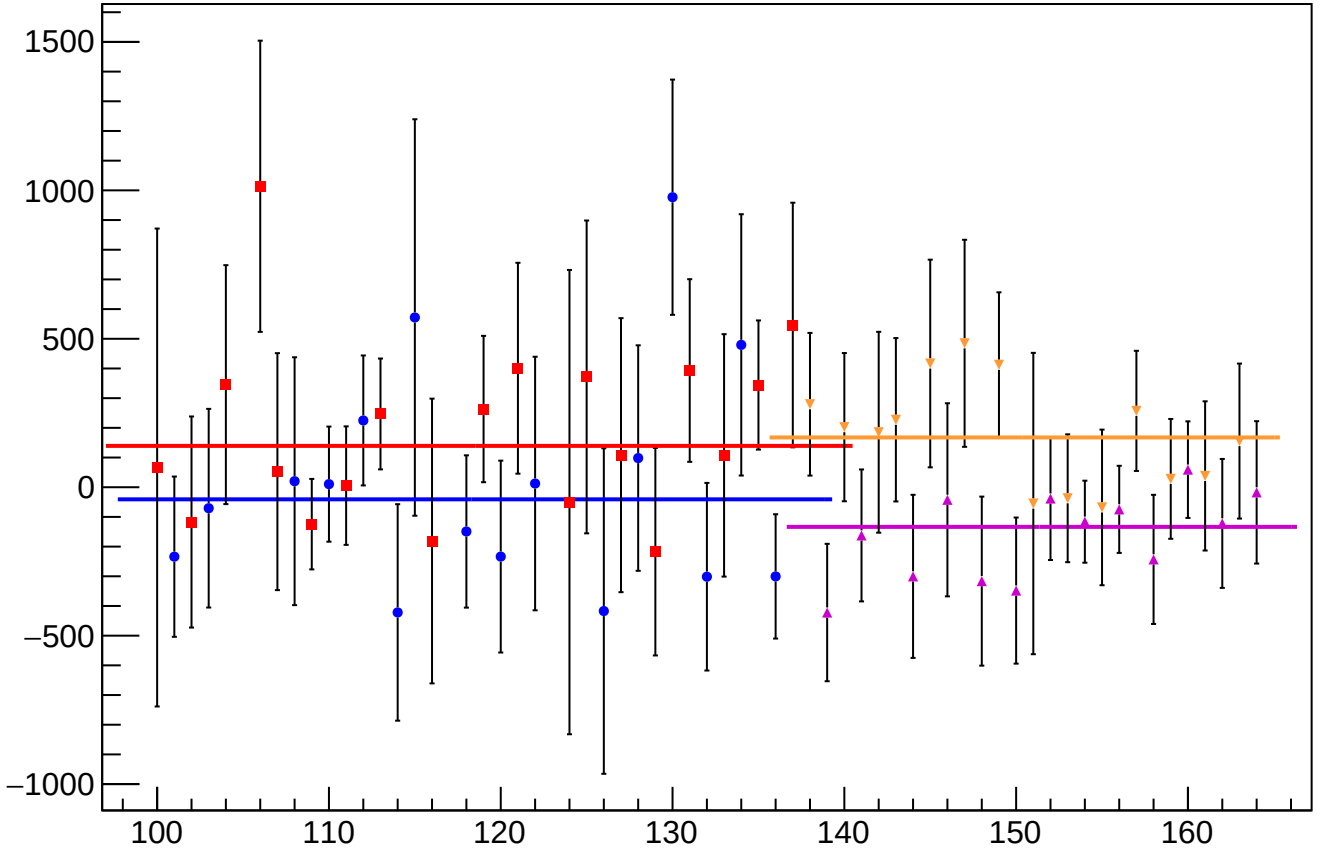
Left In: 175.473+/-0.040 χ^2/NDF:1461979.3/12

+ sign 209.339+/-0.036 χ^2/NDF: 2182680.9/29

All: 188.744+/-0.023 χ^2/NDF: 5859853.7/61

- 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: 167.678+/-69.339 χ^2/NDF:5.5/13

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

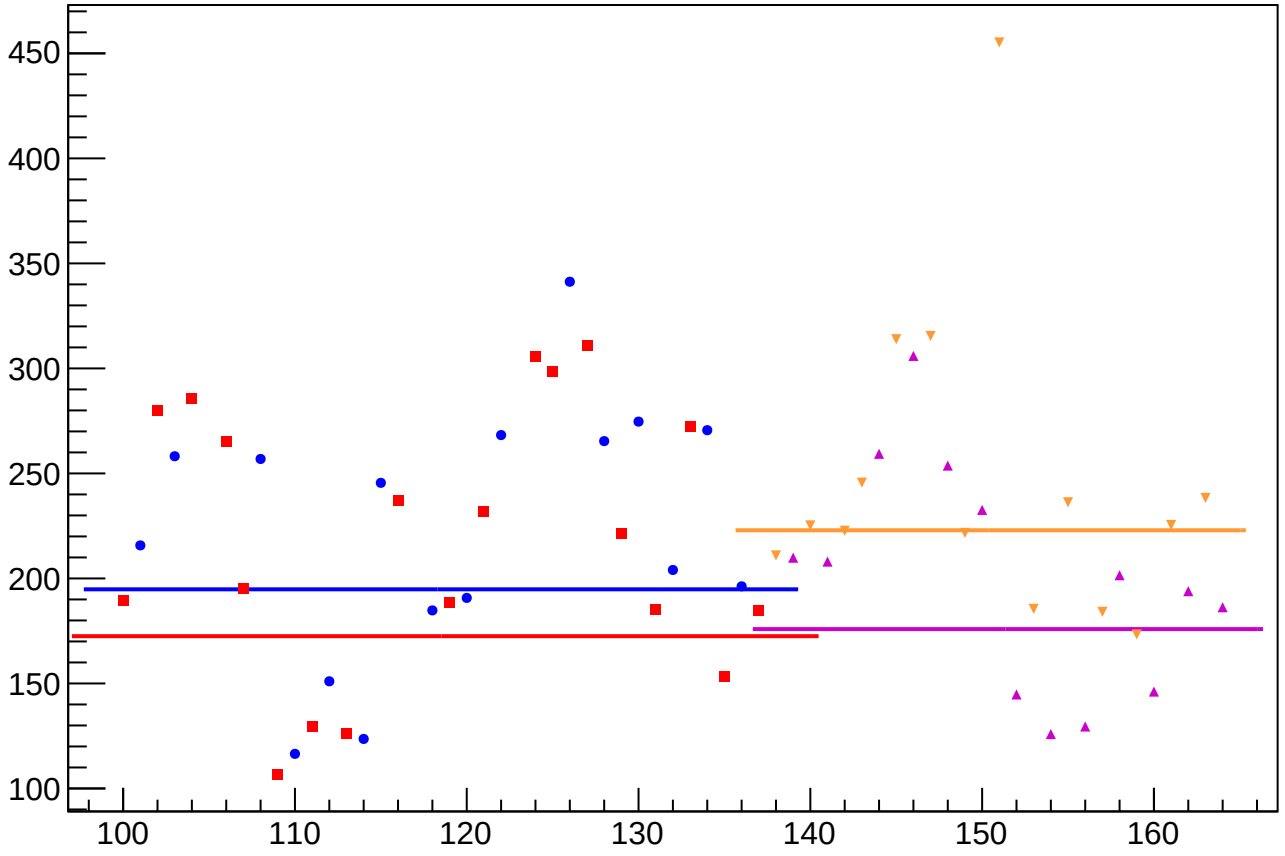
Left In: -133.546+/-56.775 χ^2/NDF:5.5/12

+ sign 73.758+/-51.400 χ^2/NDF: 24.9/29

All: 17.968+/-33.294 χ^2/NDF: 54.7/61

- 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: 222.934+/-0.049 χ^2/NDF:980766.7/13

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

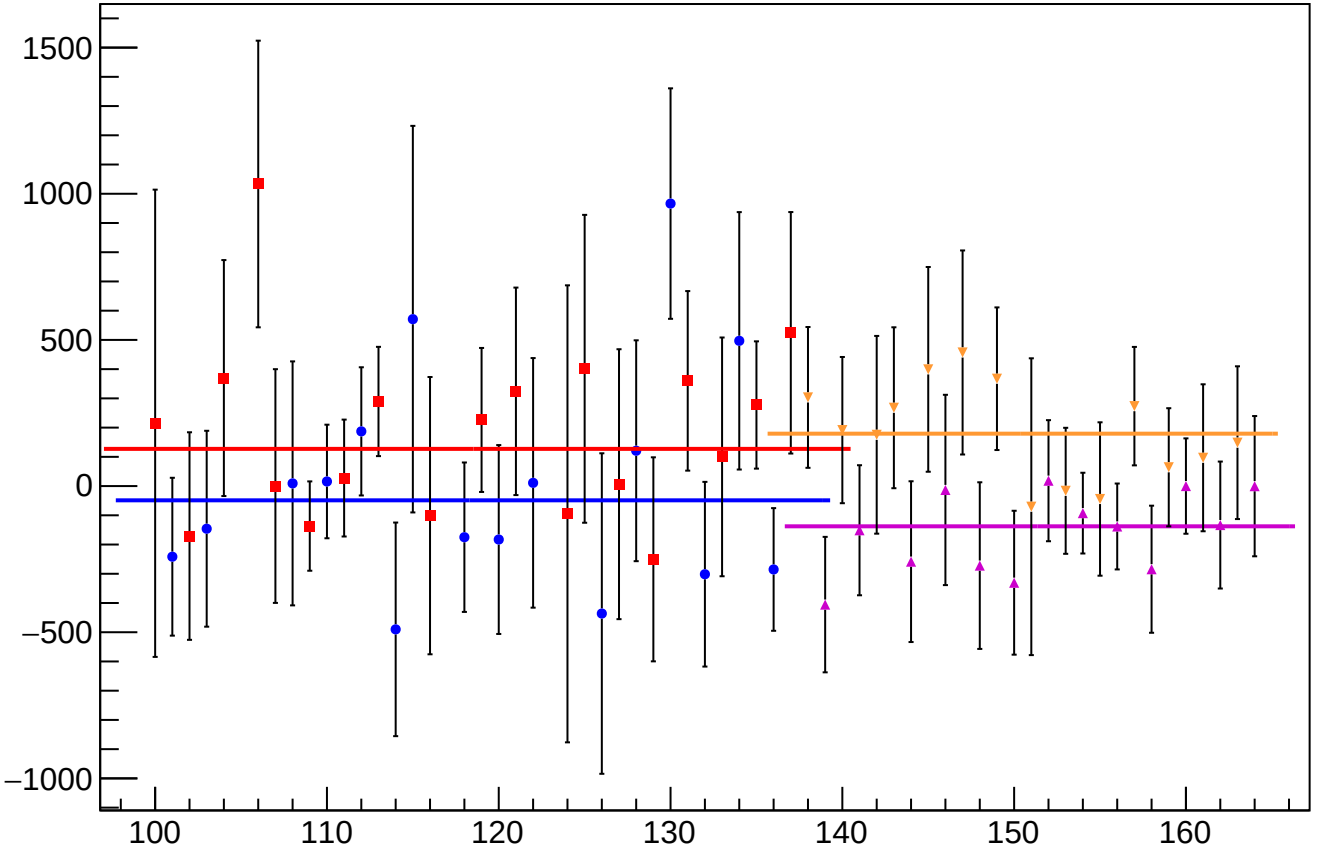
Left In: 175.887+/-0.040 χ^2/NDF:1464555.2/12

+ sign 210.268+/-0.036 χ^2/NDF: 2167987.1/29

All: 189.513+/-0.024 χ^2/NDF: 5839316.5/61

- 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: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

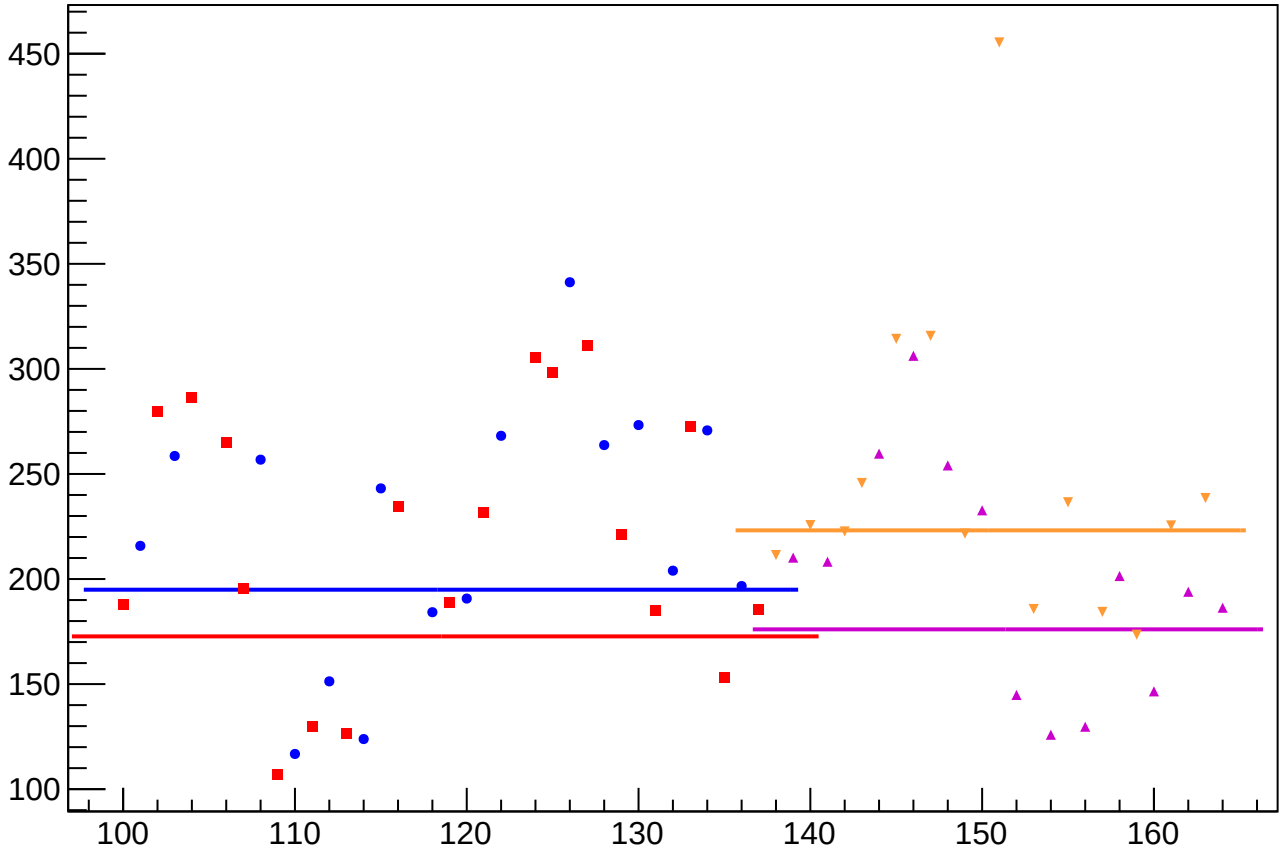
Left In: -137.662+/-56.826 χ^2/NDF:4.7/12

+ sign 76.461+/-51.431 χ^2/NDF: 24.7/29

All: 14.865+/-33.318 χ^2/NDF: 53.6/61

- 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: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

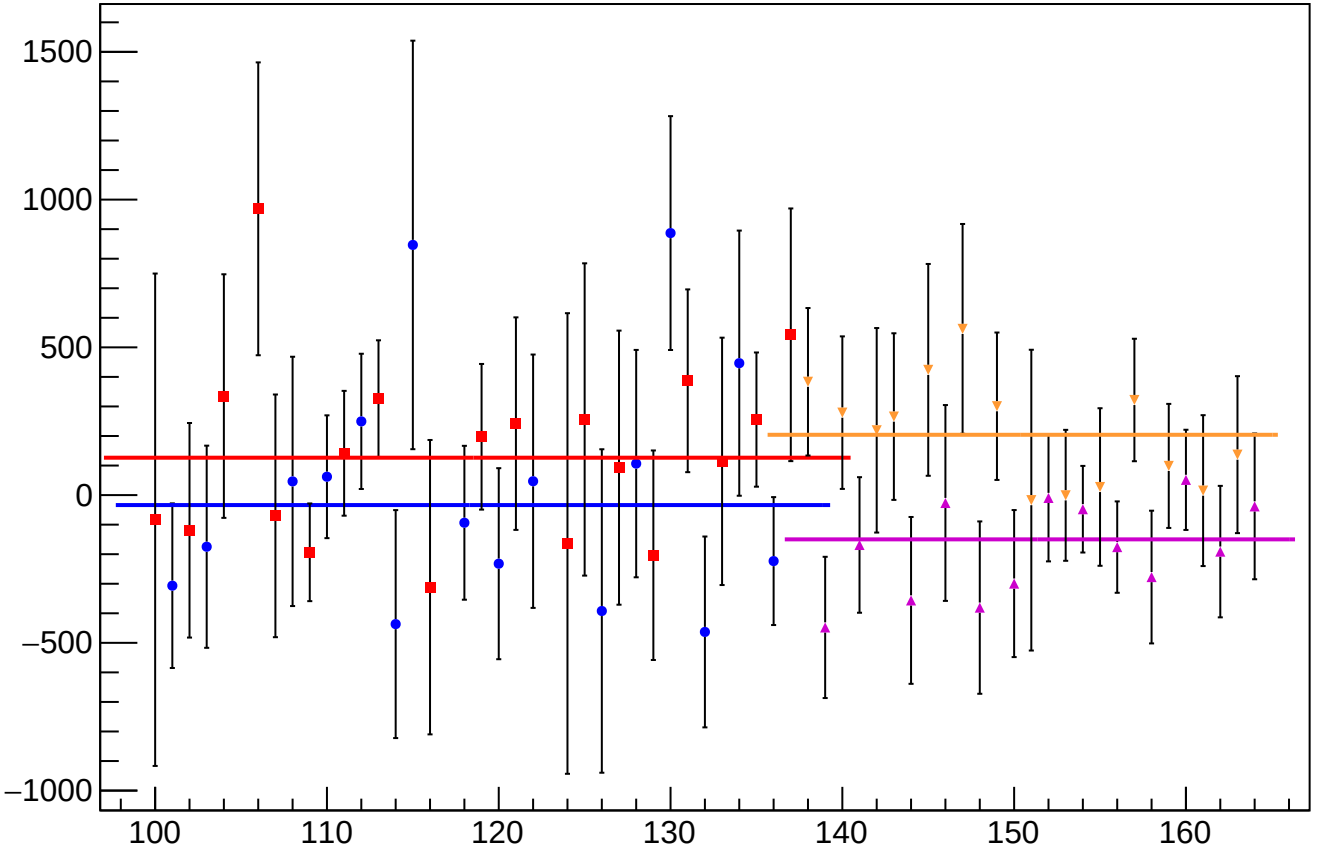
Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

+ sign 210.426+/-0.036 χ^2/NDF: 2157841.4/29

All: 189.685+/-0.024 χ^2/NDF: 5816241.5/61

- 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: 204.113+/-71.142 χ^2/NDF:4.9/13

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

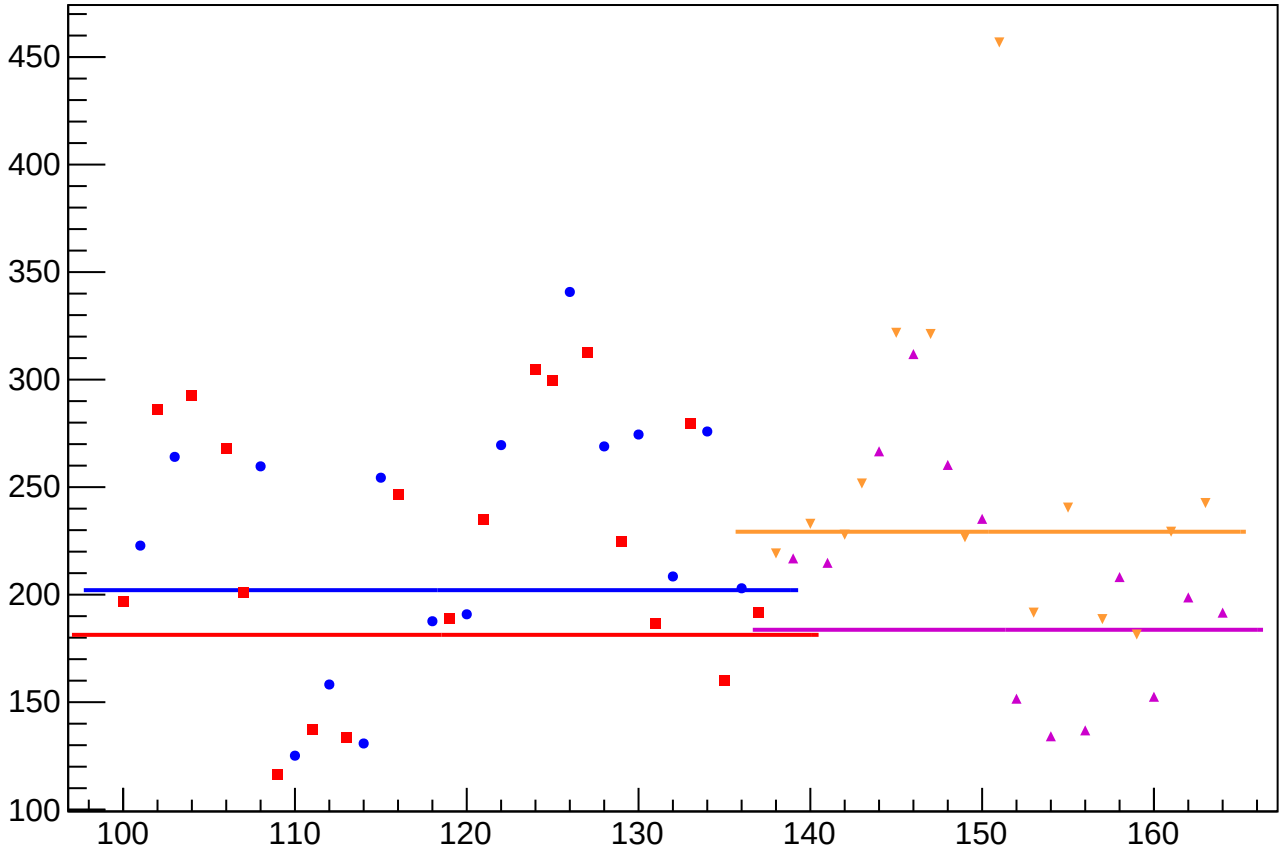
Left In: -149.825+/-58.990 χ^2/NDF:6.1/12

+ sign 97.598+/-52.864 χ^2/NDF: 25.6/29

All: 19.905+/-34.465 χ^2/NDF: 57.1/61

- 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: 229.263+/-0.050 χ^2/NDF:930569.4/13

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

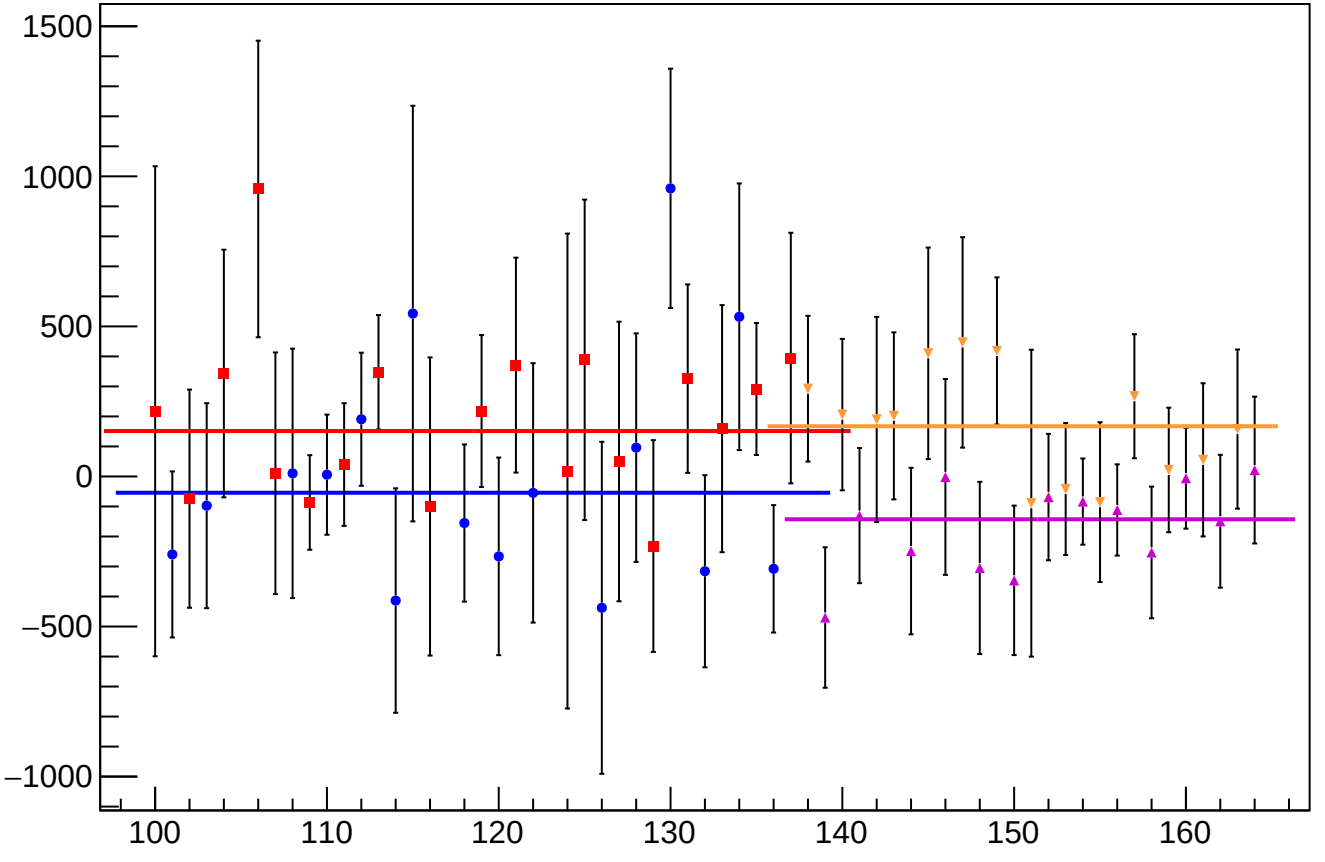
Left In: 183.668+/-0.042 χ^2/NDF:1330184.6/12

+ sign 217.094+/-0.037 χ^2/NDF: 1971492.9/29

All: 197.325+/-0.024 χ^2/NDF: 5230404.3/61

- 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: 167.347+/-70.388 χ^2/NDF:5.4/13

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

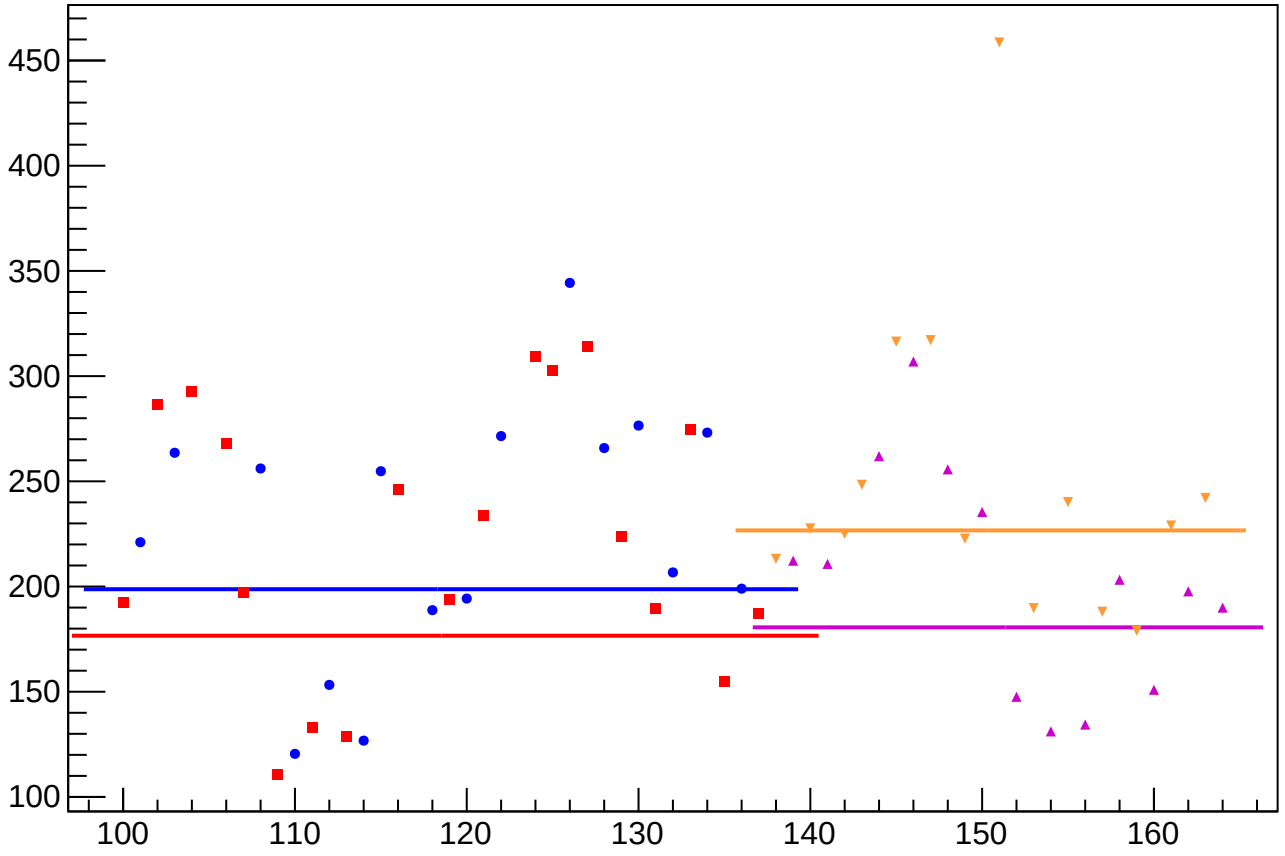
Left In: -142.662+/-58.087 χ^2/NDF:5.0/12

+ sign 67.808+/-52.240 χ^2/NDF: 25.0/29

All: 15.610+/-33.953 χ^2/NDF: 52.4/61

- 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: 226.673+/-0.050 χ^2/NDF:937332.6/13

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

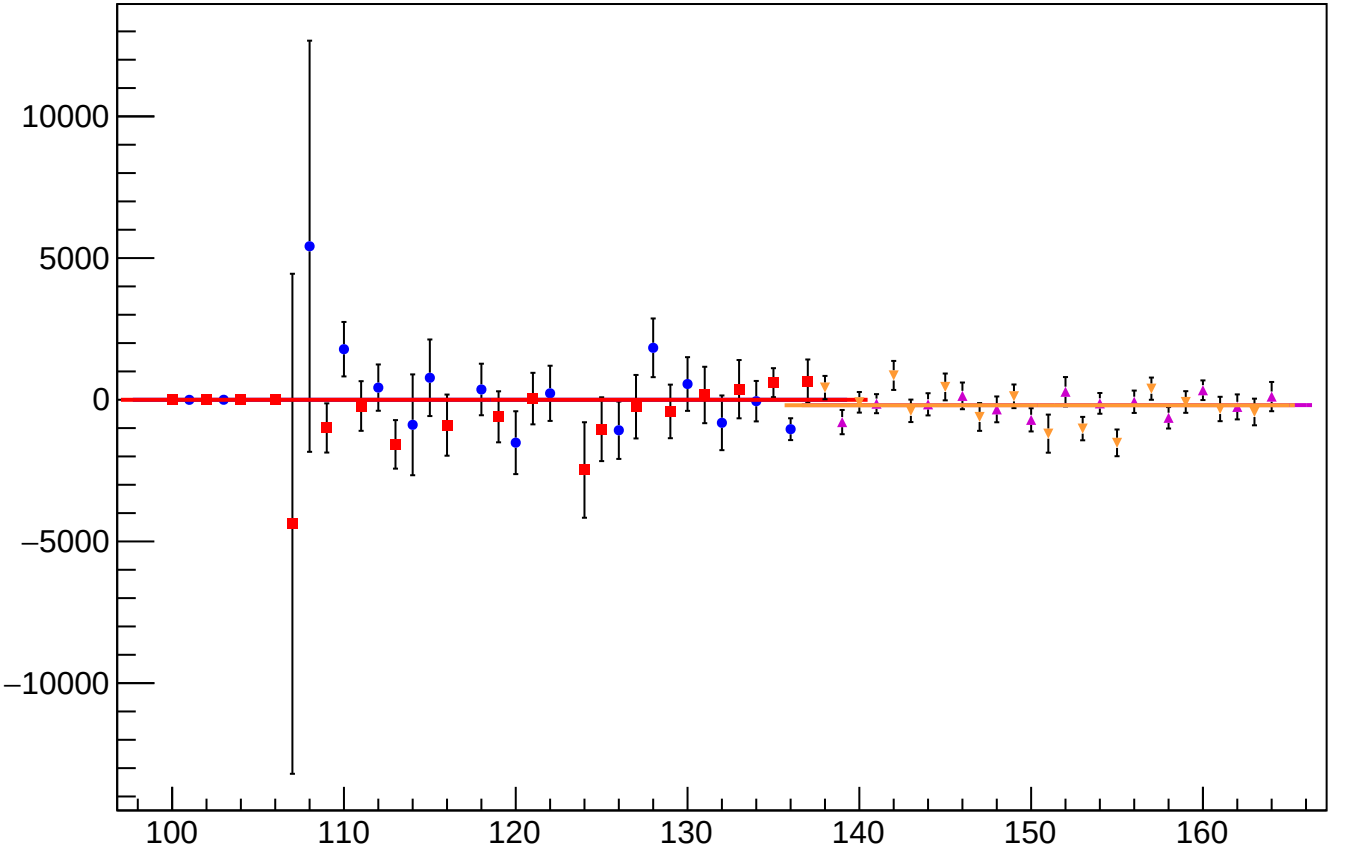
Left In: 180.595+/-0.041 χ^2/NDF:1348399.0/12

+ sign 214.117+/-0.037 χ^2/NDF: 2073101.2/29

All: 193.817+/-0.024 χ^2/NDF: 5543861.1/61

- 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: -193.871+/-116.360 χ^2/NDF:26.8/13

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

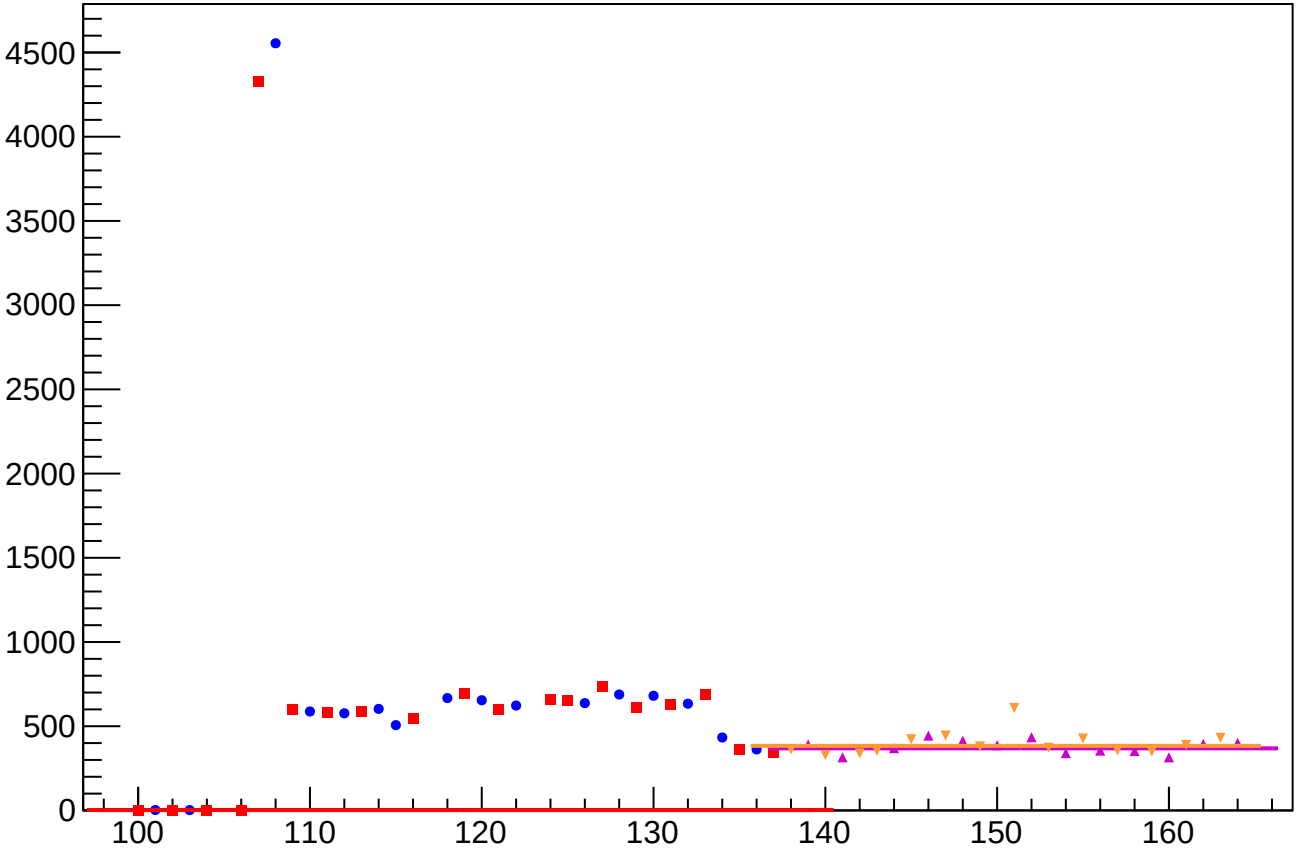
Left In: -188.464+/-113.302 χ^2/NDF:9.2/12

+ sign -1.306+/-2.170 χ^2/NDF: 49.4/29

All: -1.376+/-1.479 χ^2/NDF: 78.2/61

- 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: 383.543+/-0.082 χ^2/NDF:408447.5/13

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

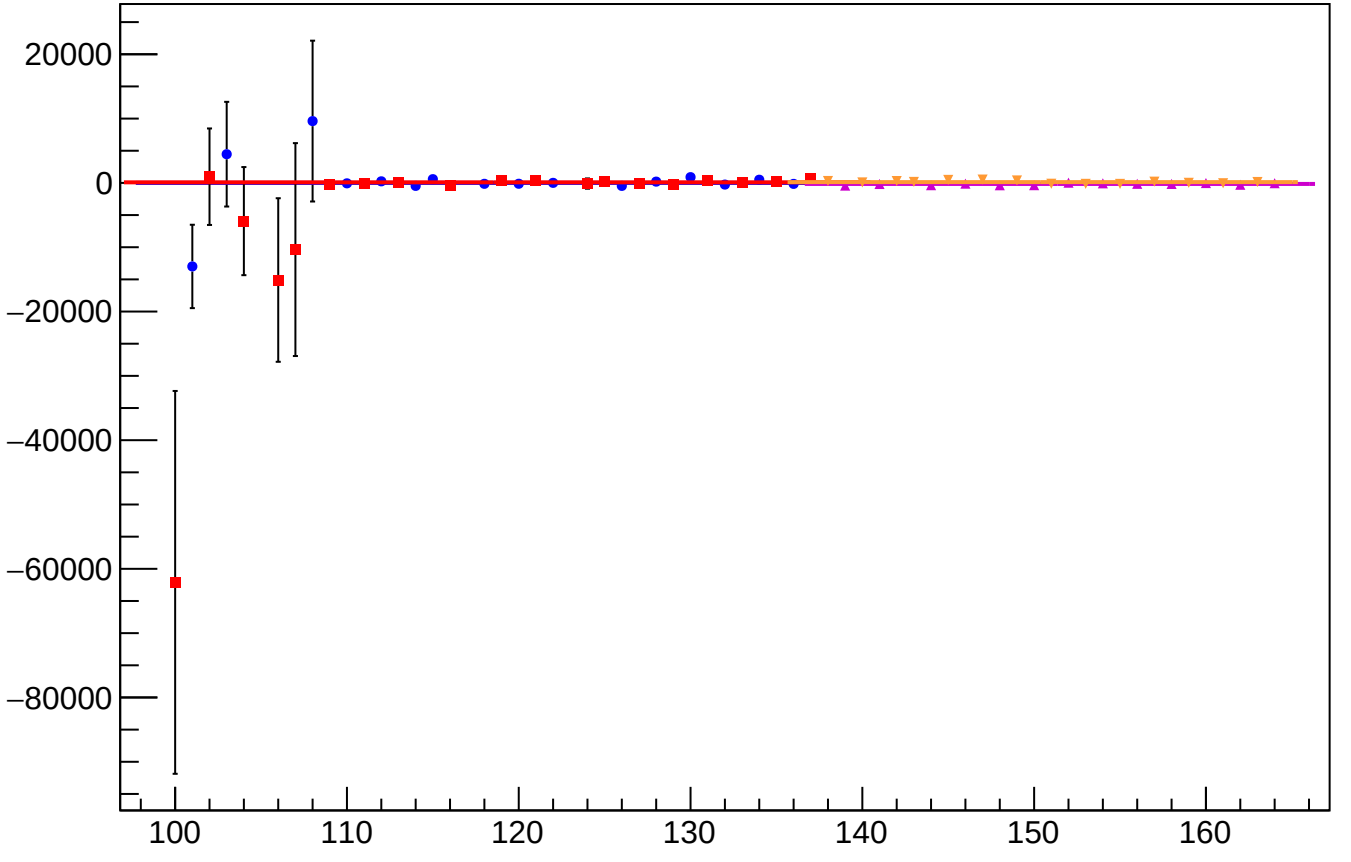
Left In: 368.688+/-0.080 χ^2/NDF:244297.9/12

+ sign 2.609+/-0.002 χ^2/NDF: 33476831.7/29

All: 2.593+/-0.001 χ^2/NDF: 66155479.4/61

- 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: 123.981+/-74.330 χ^2/NDF:6.9/13

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

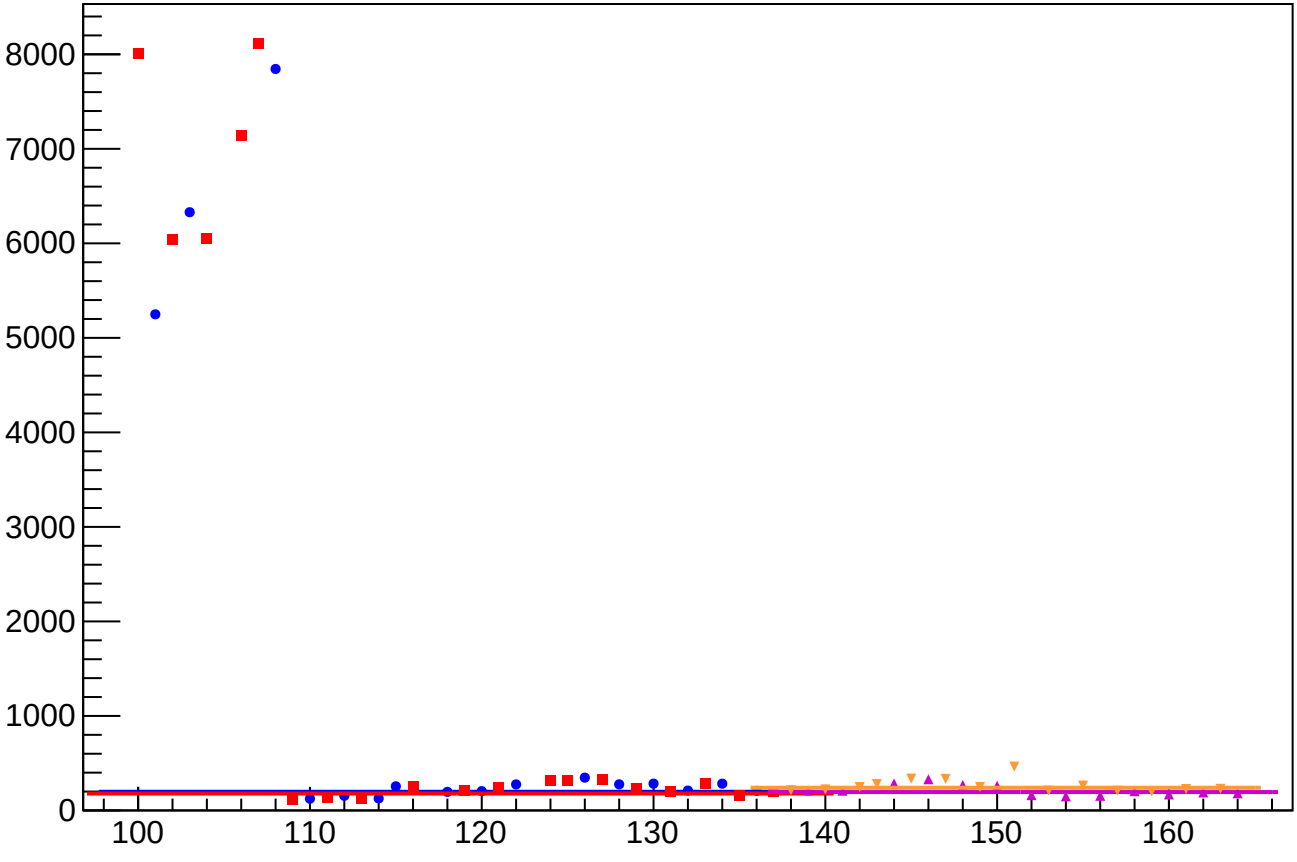
Left In: -159.832+/-62.036 χ^2/NDF:4.9/12

+ sign 72.476+/-56.737 χ^2/NDF: 24.9/29

All: -8.033+/-37.251 χ^2/NDF: 54.0/61

- 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: 240.317+/-0.053 χ^2/NDF:854991.3/13

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

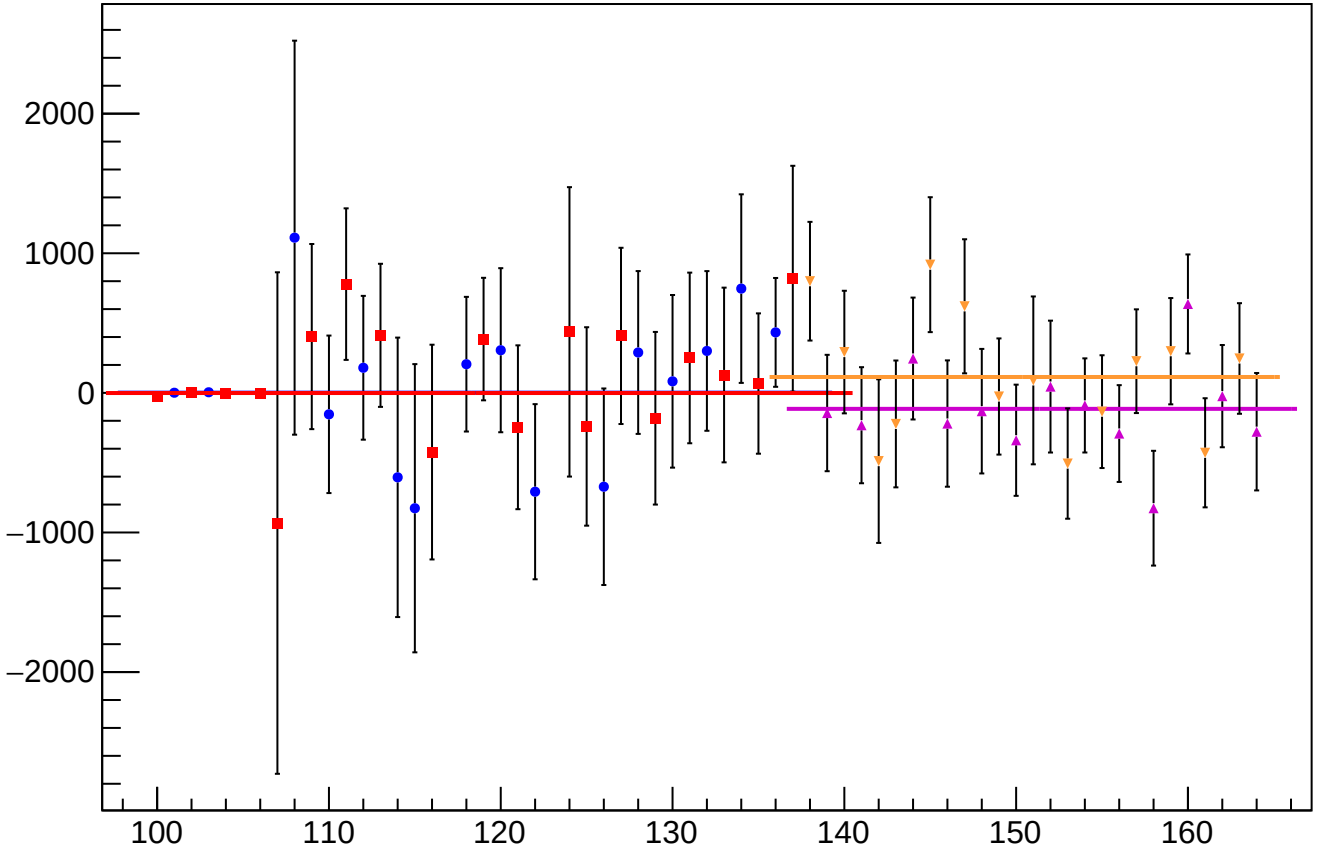
Left In: 194.624+/-0.044 χ^2/NDF:1070483.1/12

+ sign 222.497+/-0.040 χ^2/NDF: 5087615.0/29

All: 203.435+/-0.026 χ^2/NDF: 11018283.5/61

- 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: 113.749+/-115.283 χ^2/NDF:13.6/13

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

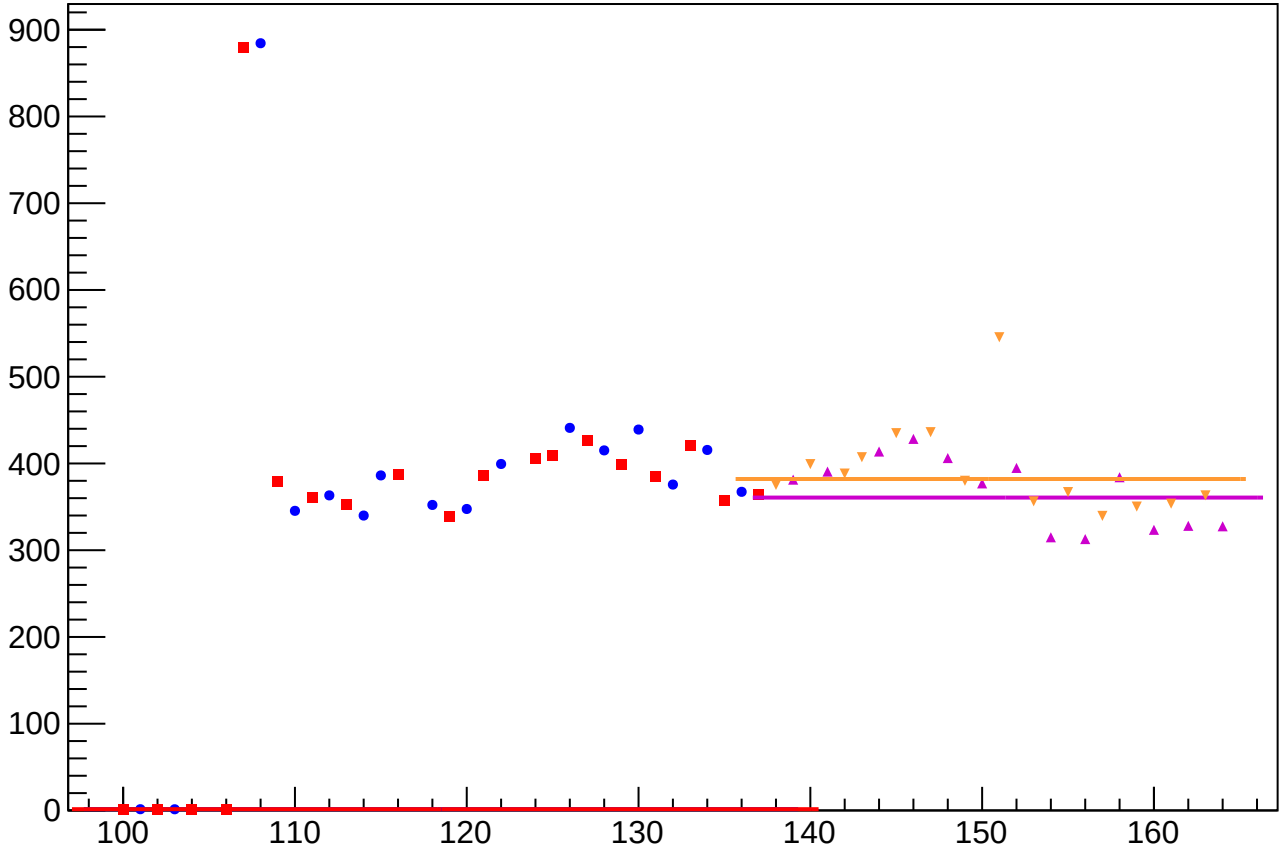
Left In: -114.448+/-110.709 χ^2/NDF:9.2/12

+ sign 1.479+/-1.660 χ^2/NDF: 22.4/29

All: 0.074+/-1.124 χ^2/NDF: 43.2/61

- 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: 382.094+/-0.082 χ^2/NDF:273444.9/13

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

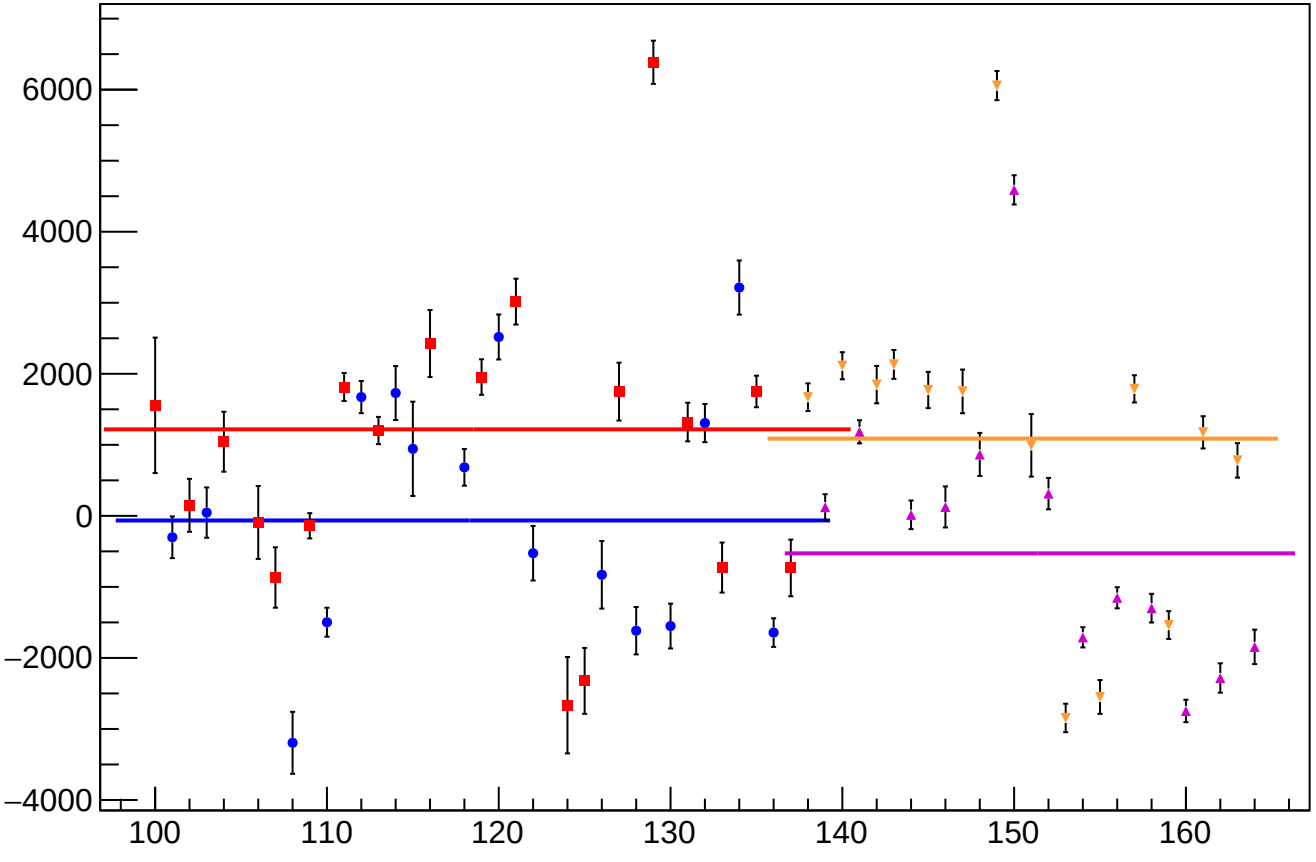
Left In: 360.680+/-0.078 χ^2/NDF:255934.8/12

\+ sign 1.549+/-0.001 χ^2/NDF: 33806041.3/29

All: 1.542+/-0.001 χ^2/NDF: 66384204.9/61

\- 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: 1087.695+/-59.790 χ^2/NDF:1485.2/13

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

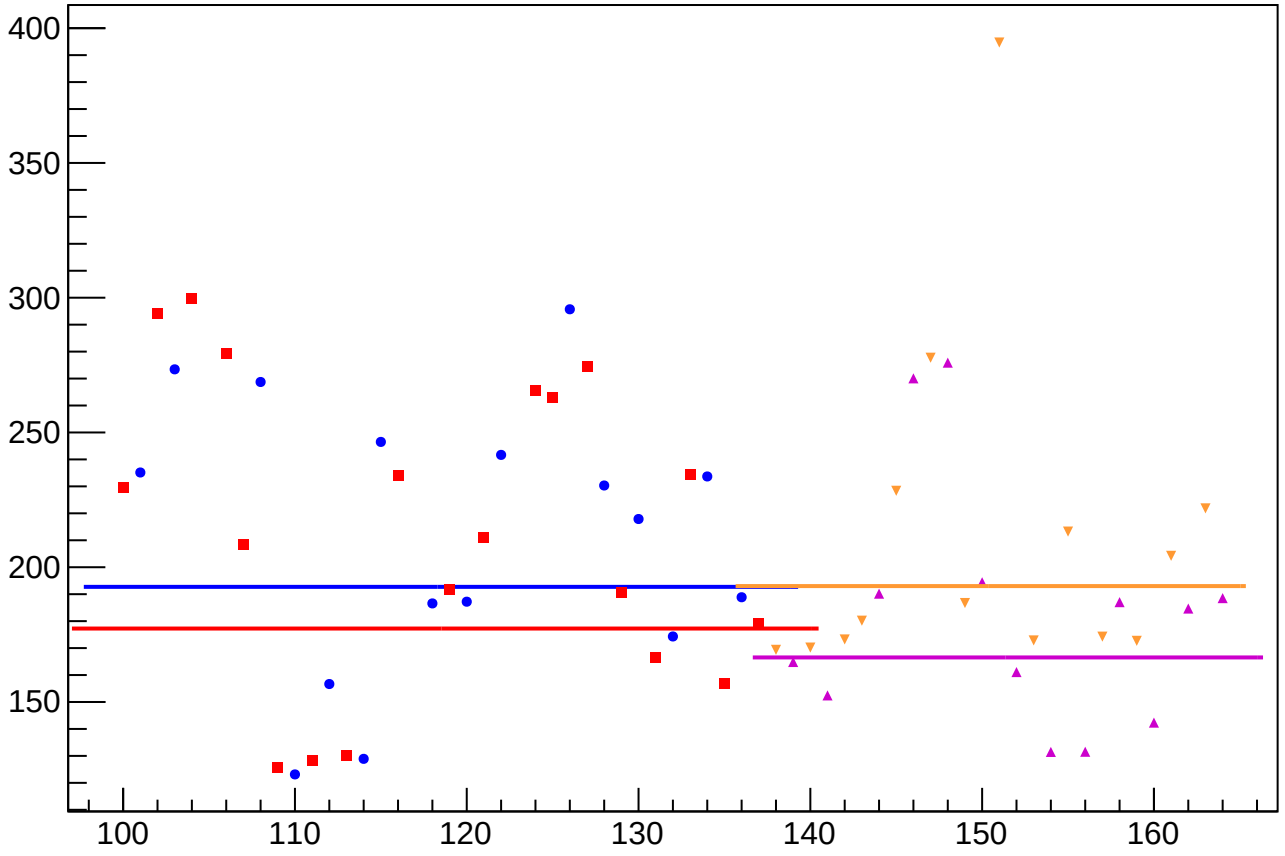
Left In: -527.502+/-52.760 χ^2/NDF:1188.8/12

\+ sign 639.017+/-46.727 χ^2/NDF: 2099.3/29

All: 349.315+/-31.202 χ^2/NDF: 4355.7/61

\- 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: 193.002+/-0.042 χ^2/NDF:797230.3/13

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

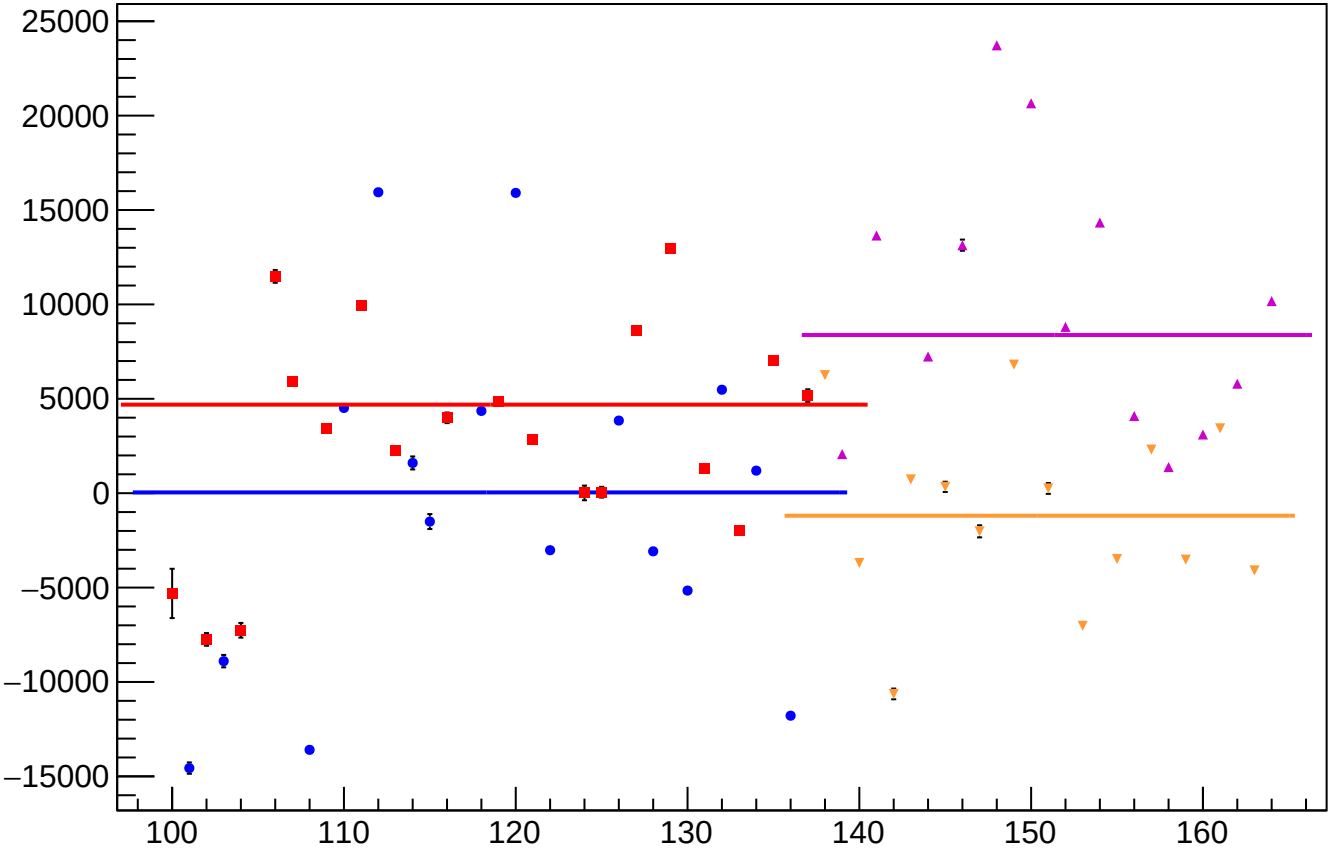
Left In: 166.529+/-0.037 χ^2/NDF:929003.4/12

+ sign 192.892+/-0.033 χ^2/NDF: 1556394.1/29

All: 180.475+/-0.022 χ^2/NDF: 3996911.2/61

- 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: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

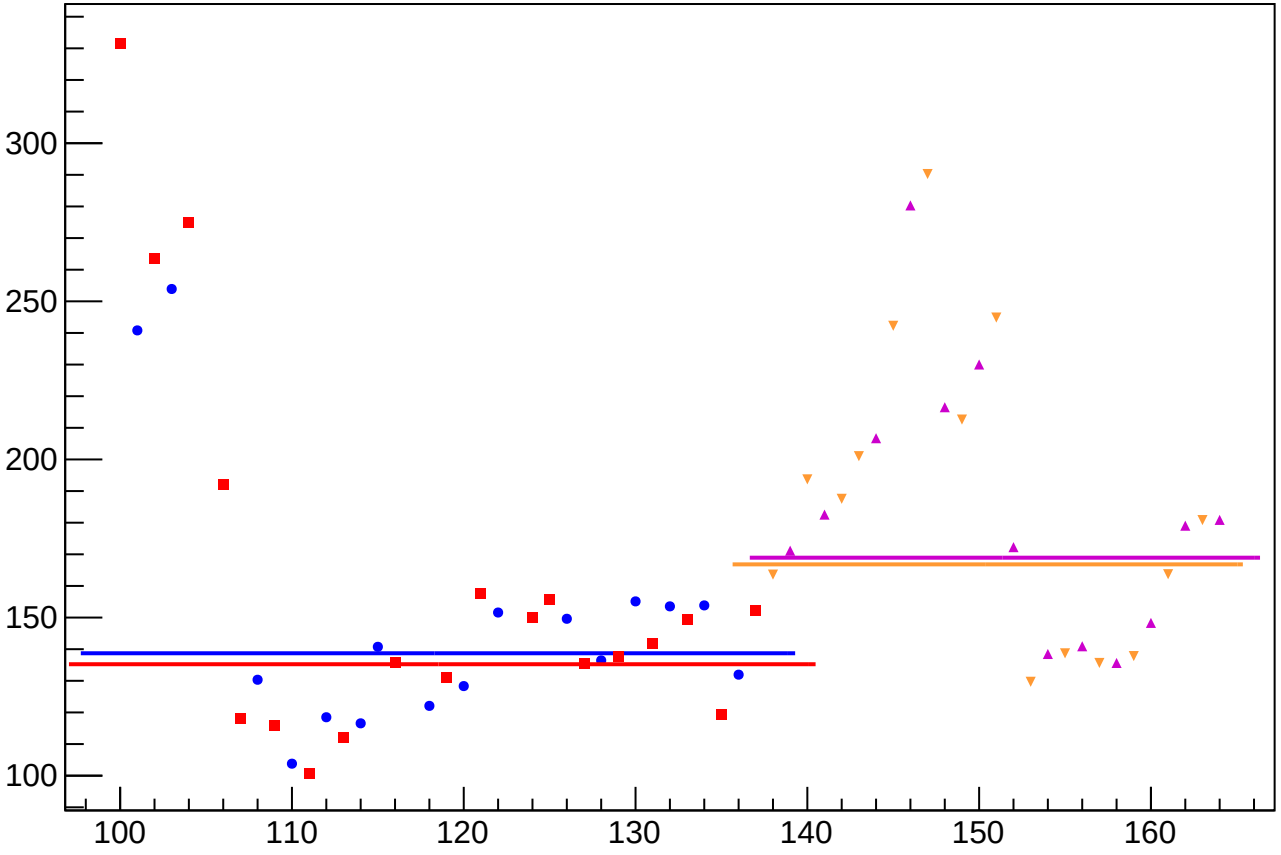
Left In: 8378.659+/-53.222 χ^2/NDF:14443.2/12

+ sign -603.235+/-37.462 χ^2/NDF: 38727.0/29

All: 2967.890+/-26.407 χ^2/NDF: 81480.8/61

- 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: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

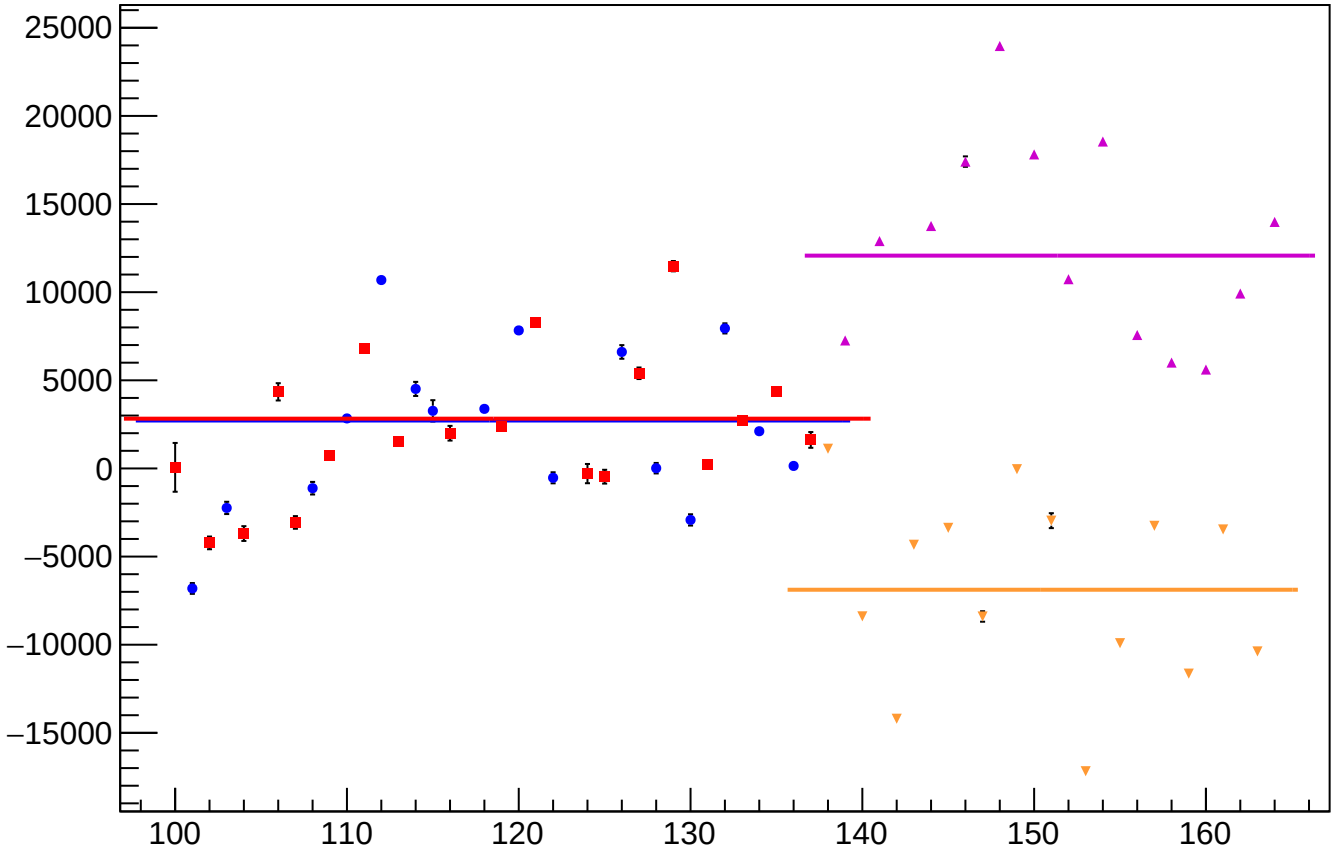
Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

+ sign 153.392+/-0.026 χ^2/NDF: 2075713.3/29

All: 152.555+/-0.019 χ^2/NDF: 4222703.6/61

- 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: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

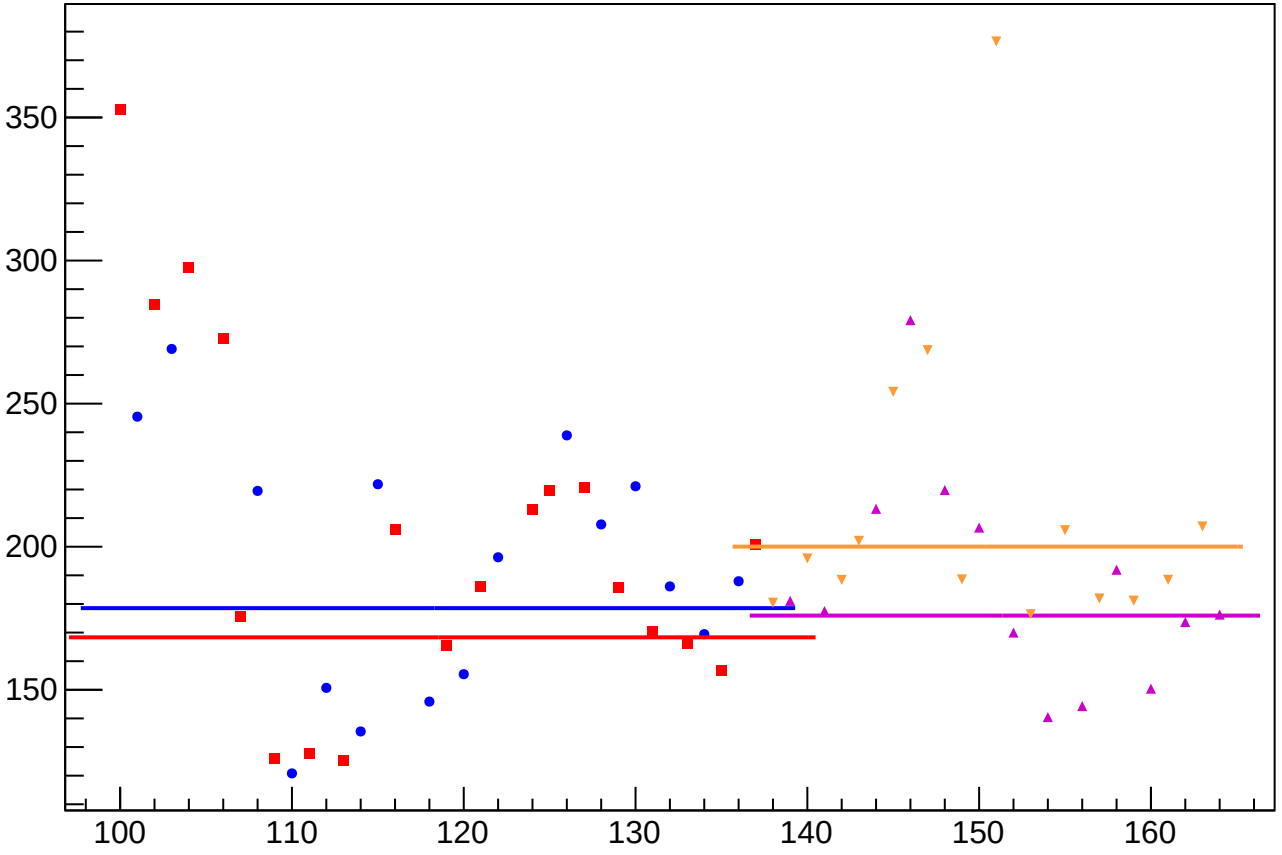
Left In: 12073.705+/-55.284 χ^2/NDF:9199.7/12

+ sign -2644.947+/-45.998 χ^2/NDF: 22732.5/29

All: 3249.565+/-31.045 χ^2/NDF: 76936.4/61

- 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: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

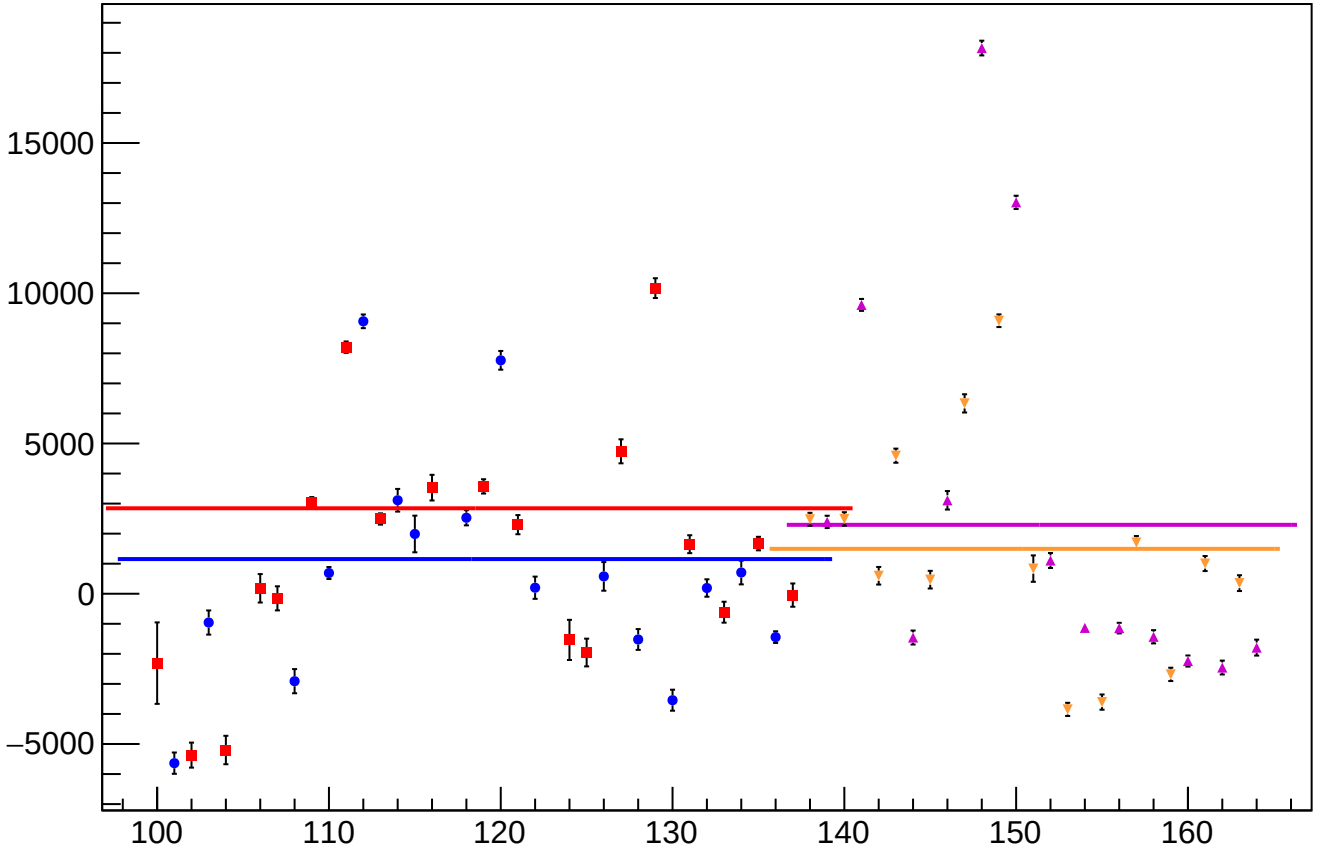
Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

+ sign 190.551+/-0.033 χ^2/NDF: 1407521.8/29

All: 180.851+/-0.022 χ^2/NDF: 3213978.1/61

- 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: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

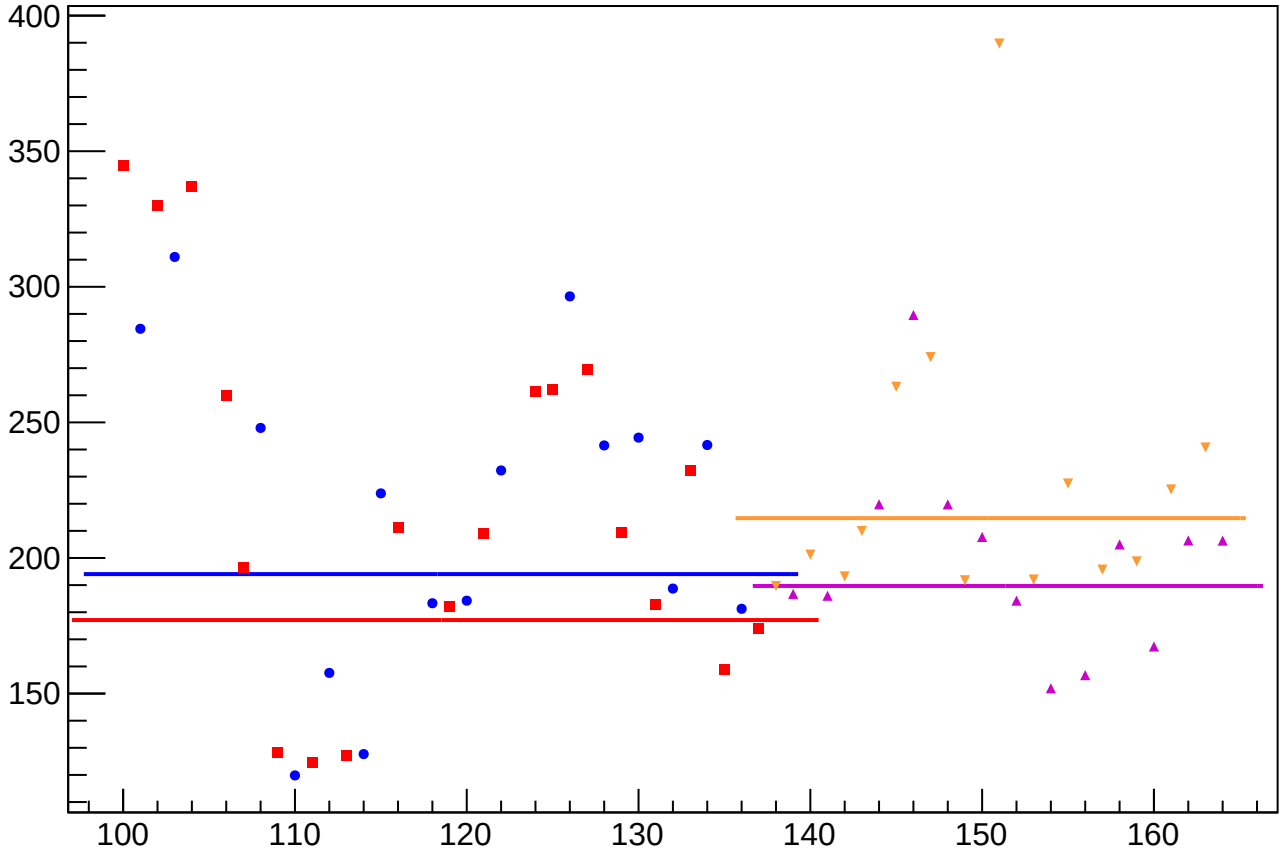
Left In: 2293.328+/-59.458 χ^2/NDF:10555.0/12

+ sign 1348.247+/-49.828 χ^2/NDF: 5823.5/29

All: 1996.658+/-33.429 χ^2/NDF: 19176.0/61

- 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: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

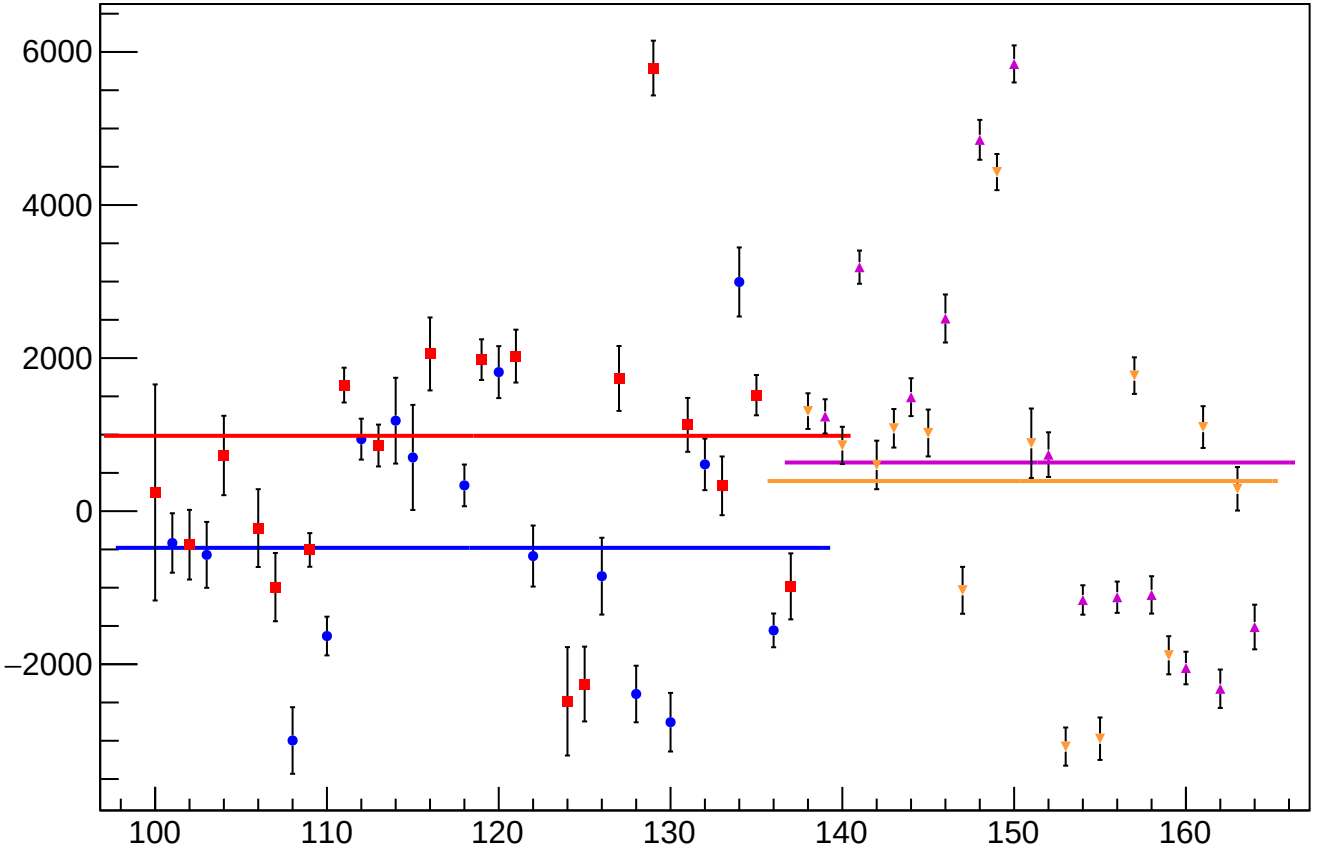
Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

+ sign 205.812+/-0.035 χ^2/NDF: 1642526.5/29

All: 194.006+/-0.024 χ^2/NDF: 3765005.6/61

- 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: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

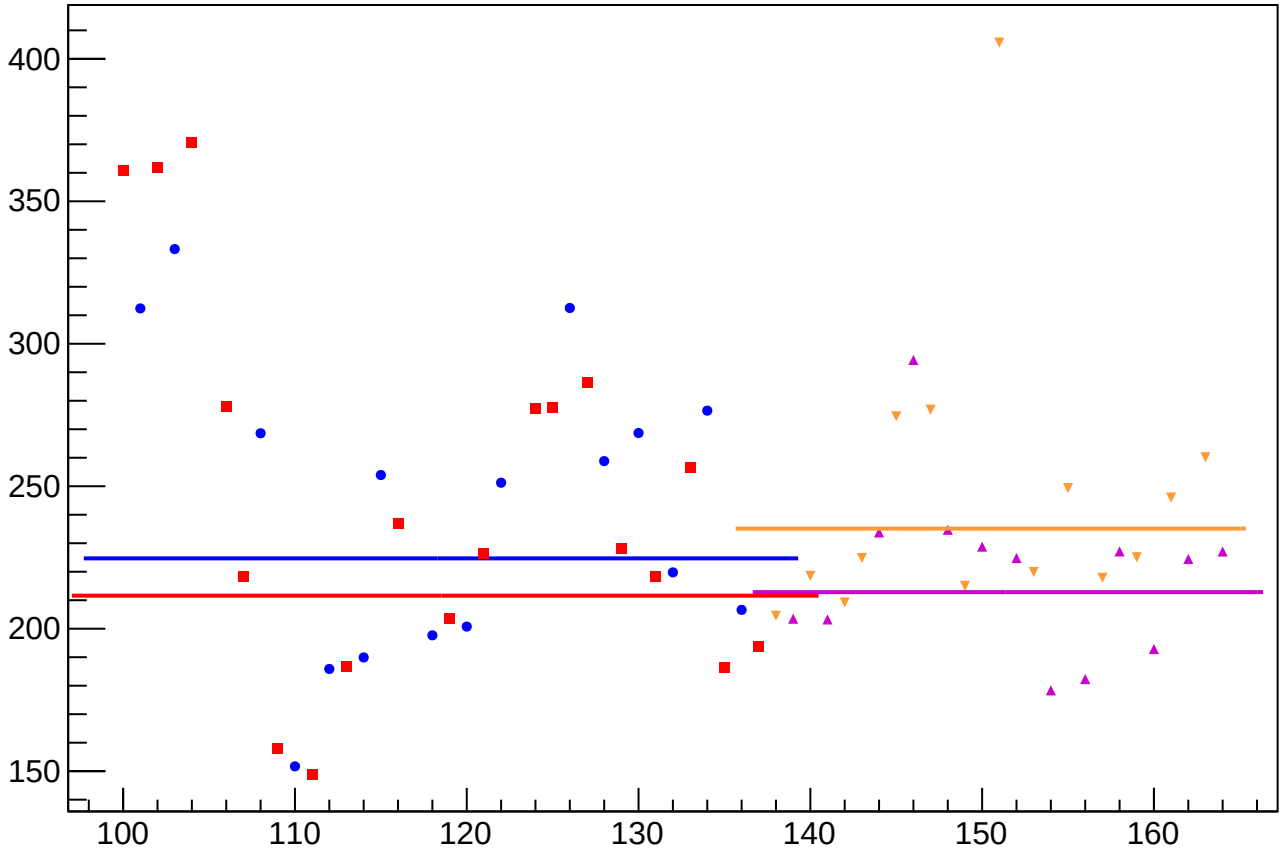
Left In: 635.935+/-66.118 χ^2/NDF:1481.9/12

+ sign 38.116+/-55.323 χ^2/NDF: 1176.5/29

All: 435.218+/-37.579 χ^2/NDF: 3163.3/61

- 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: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

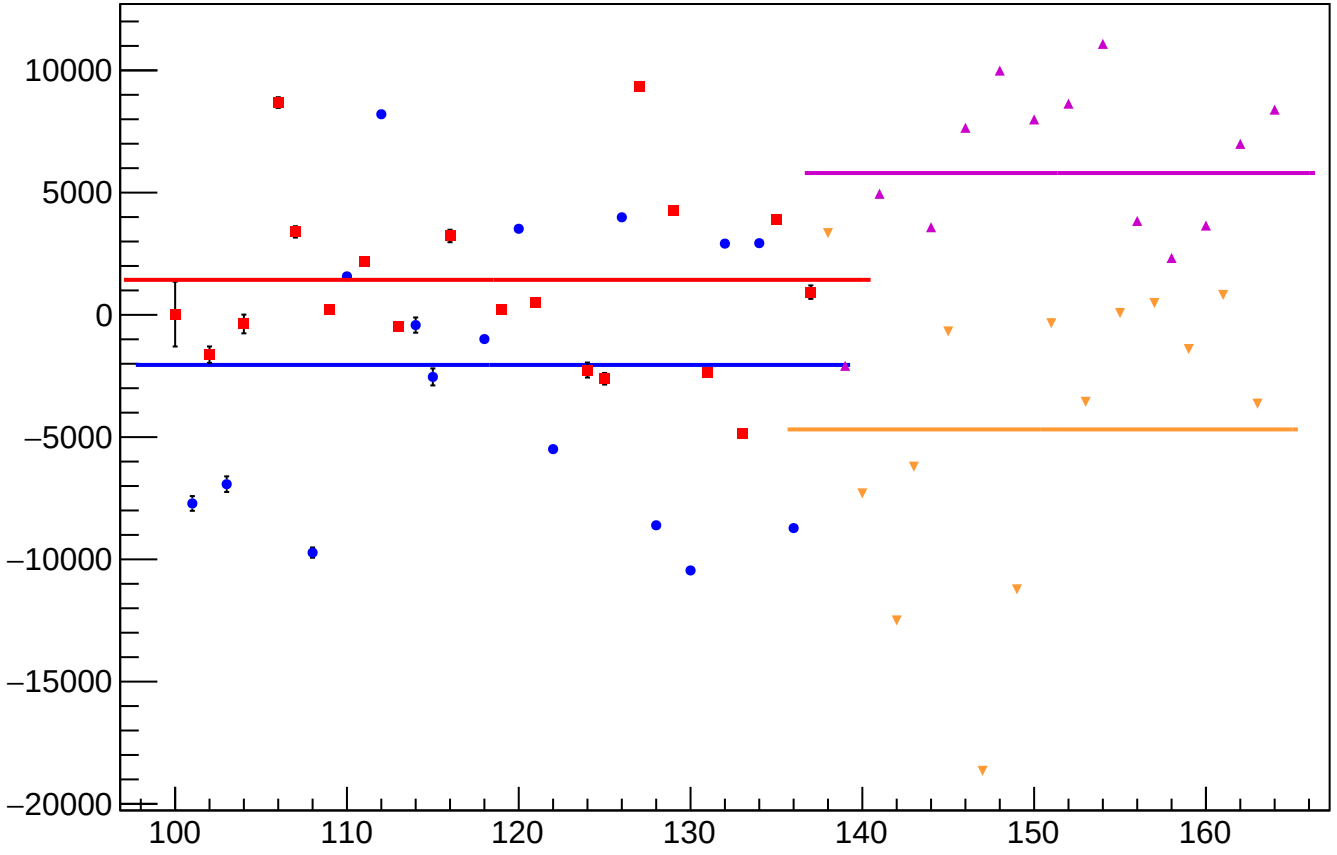
Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

+ sign 230.877+/-0.039 χ^2/NDF: 1143240.3/29

All: 220.896+/-0.027 χ^2/NDF: 2522485.2/61

- 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: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

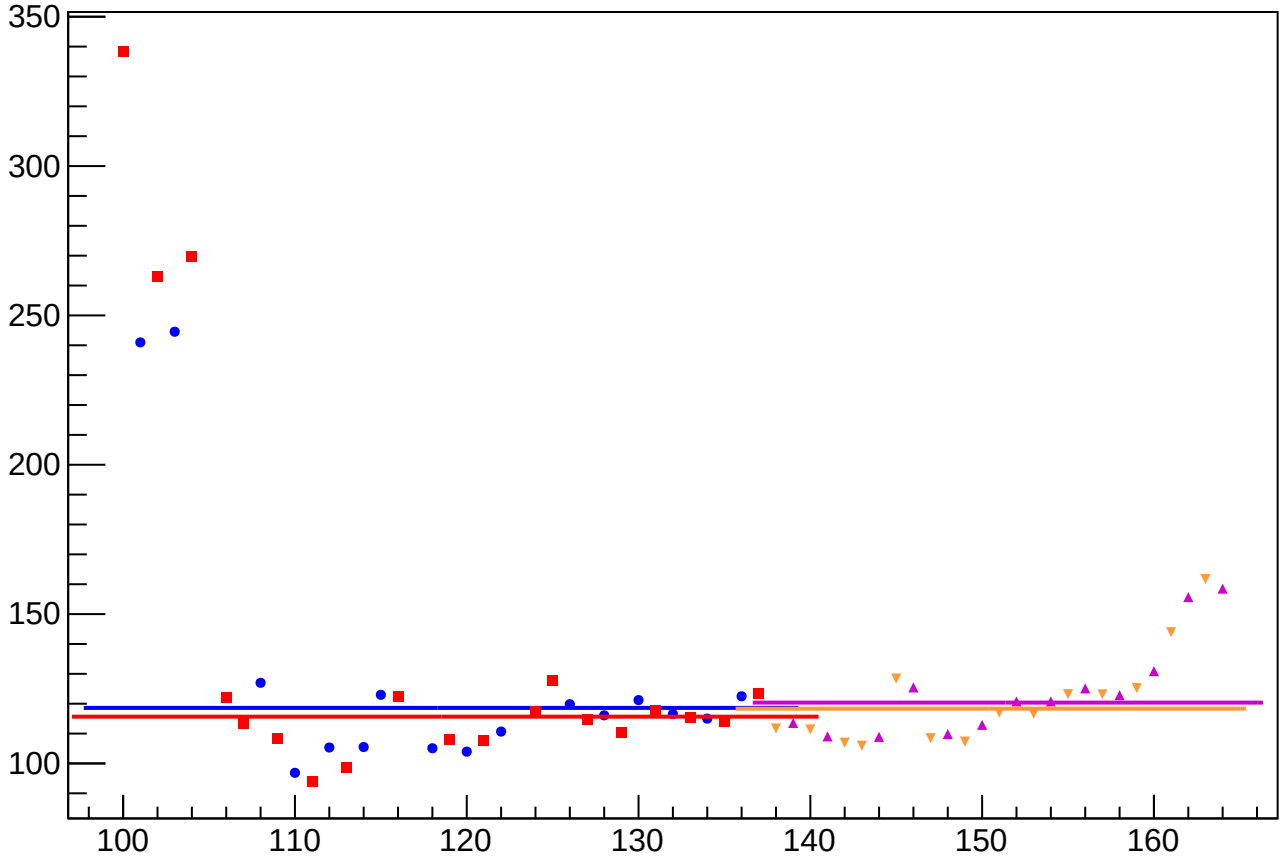
Left In: 5801.144+/-36.961 χ^2/NDF:9436.1/12

+ sign -3702.993+/-28.511 χ^2/NDF: 48404.7/29

All: 165.351+/-20.153 χ^2/NDF: 106691.0/61

- 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: 118.339+/-0.025 χ^2/NDF:265739.8/13

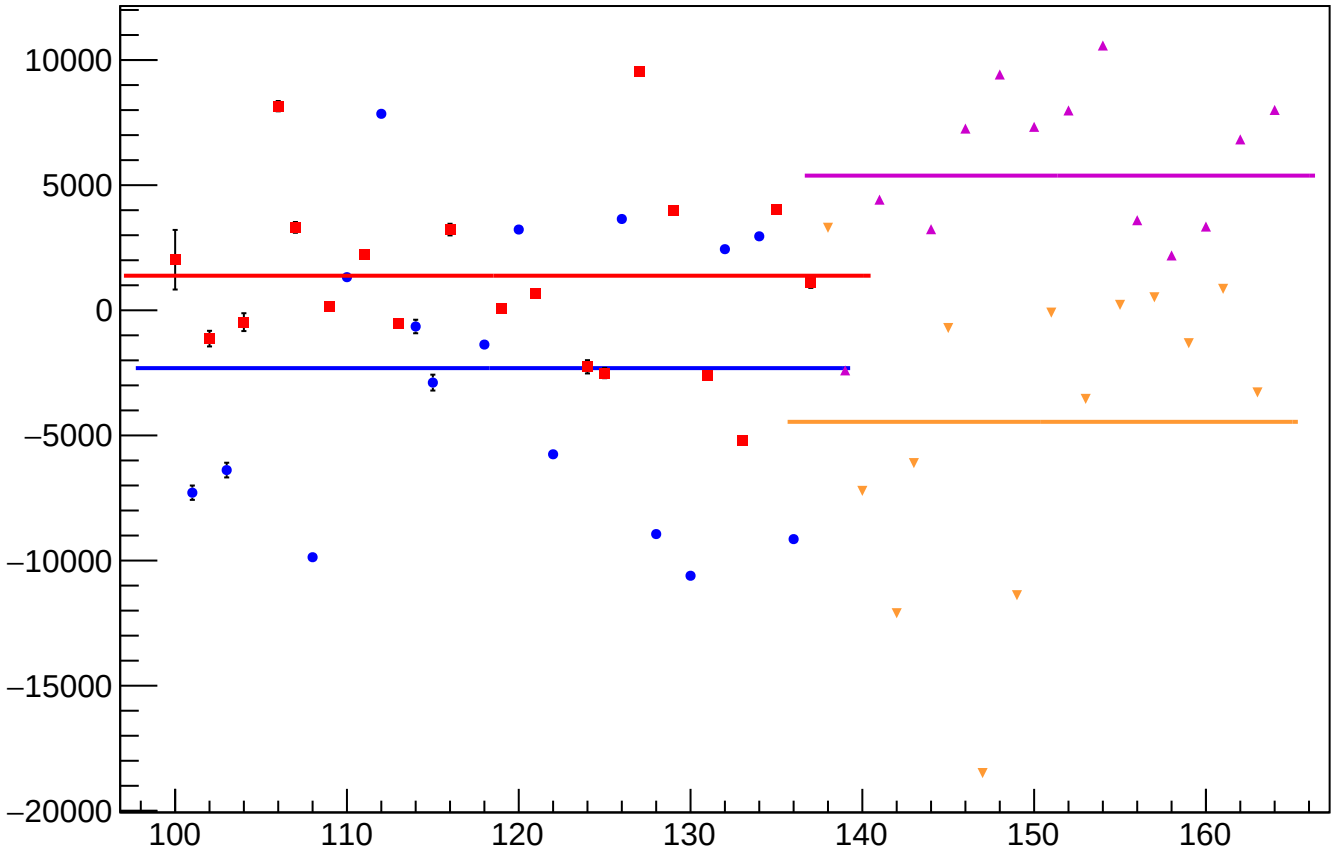
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

\+ sign 118.434+/-0.020 χ^2/NDF: 999936.5/29

All: 118.447+/-0.014 χ^2/NDF: 2112313.3/61

\- sign 118.460+/-0.020 χ^2/NDF: 1112375.9/31



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4456.361+/-32.286 χ^2/NDF:35893.9/13

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

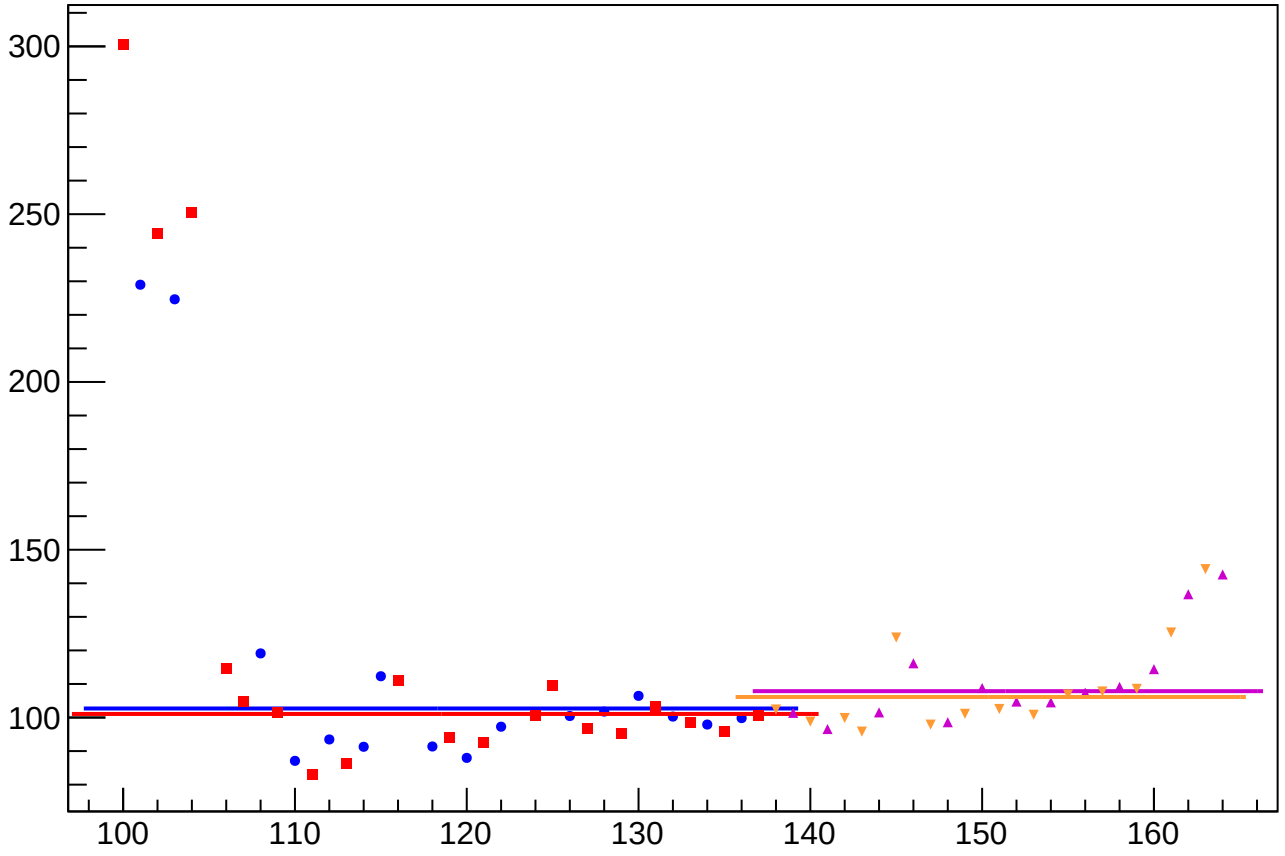
Left In: 5381.420+/-33.136 χ^2/NDF:11219.0/12

+ sign -3628.470+/-25.302 χ^2/NDF: 59277.7/29

All: 40.472+/-17.906 χ^2/NDF: 127244.5/61

- 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: 106.116+/-0.023 χ^2/NDF:242473.3/13

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

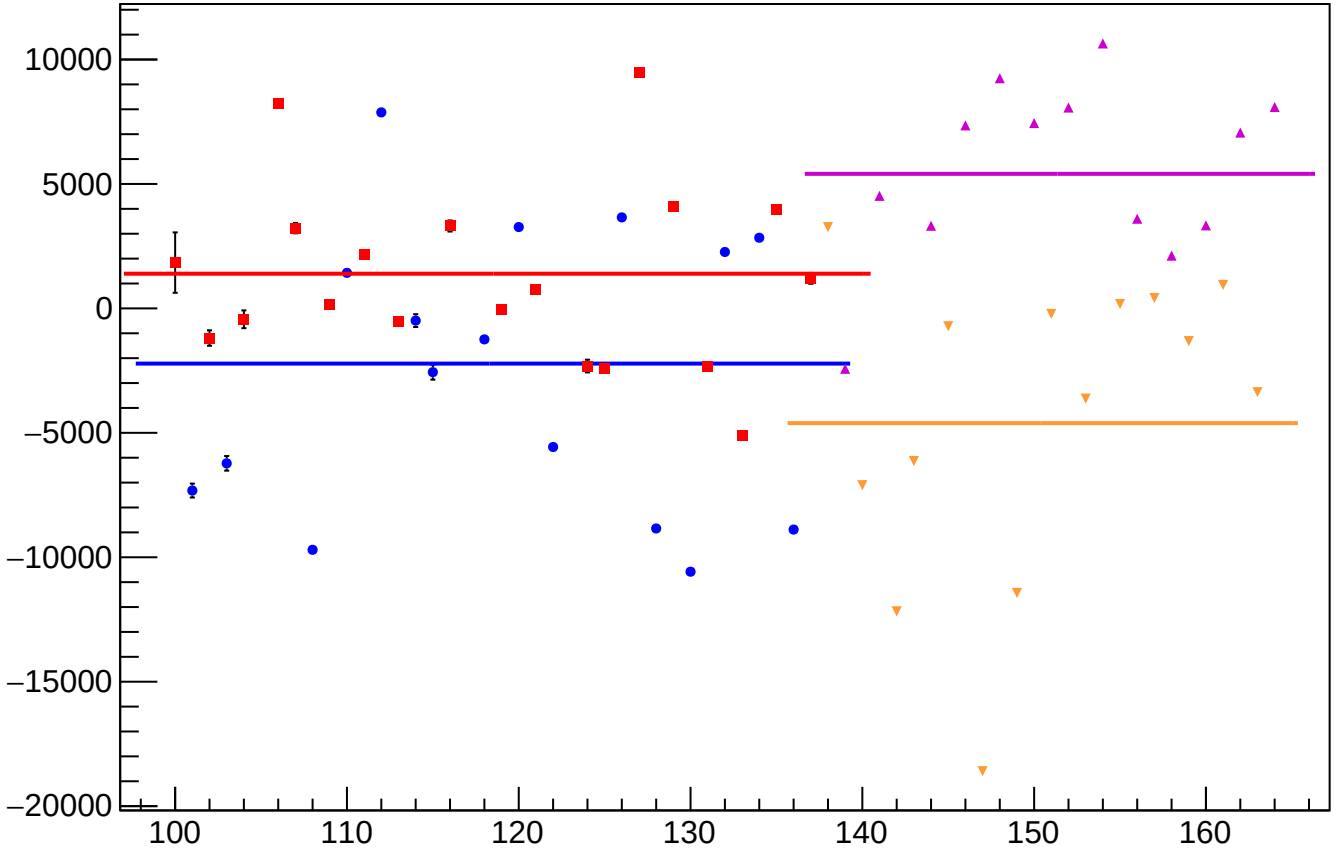
Left In: 107.858+/-0.023 χ^2/NDF:211938.3/12

+ sign 104.795+/-0.018 χ^2/NDF: 1076943.2/29

All: 104.916+/-0.013 χ^2/NDF: 2254326.0/61

- sign 105.038+/-0.018 χ^2/NDF: 1177291.1/31

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4610.062+/-31.584 χ^2/NDF:38739.7/13

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

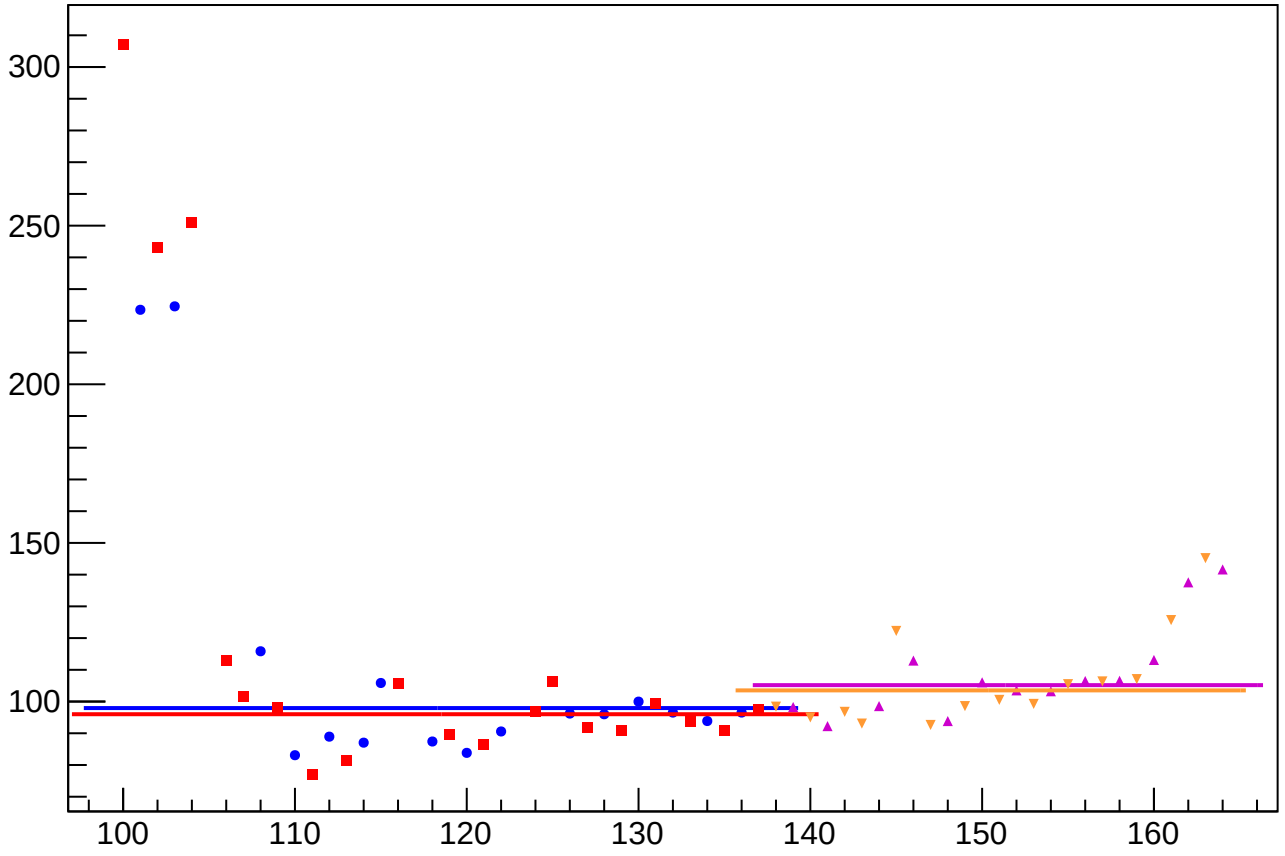
Left In: 5406.740+/-32.401 χ^2/NDF:11888.7/12

\+ sign -3663.755+/-24.554 χ^2/NDF: 64049.5/29

All: 18.167+/-17.357 χ^2/NDF: 136573.7/61

\- 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: 103.515+/-0.022 χ^2/NDF:299603.3/13

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

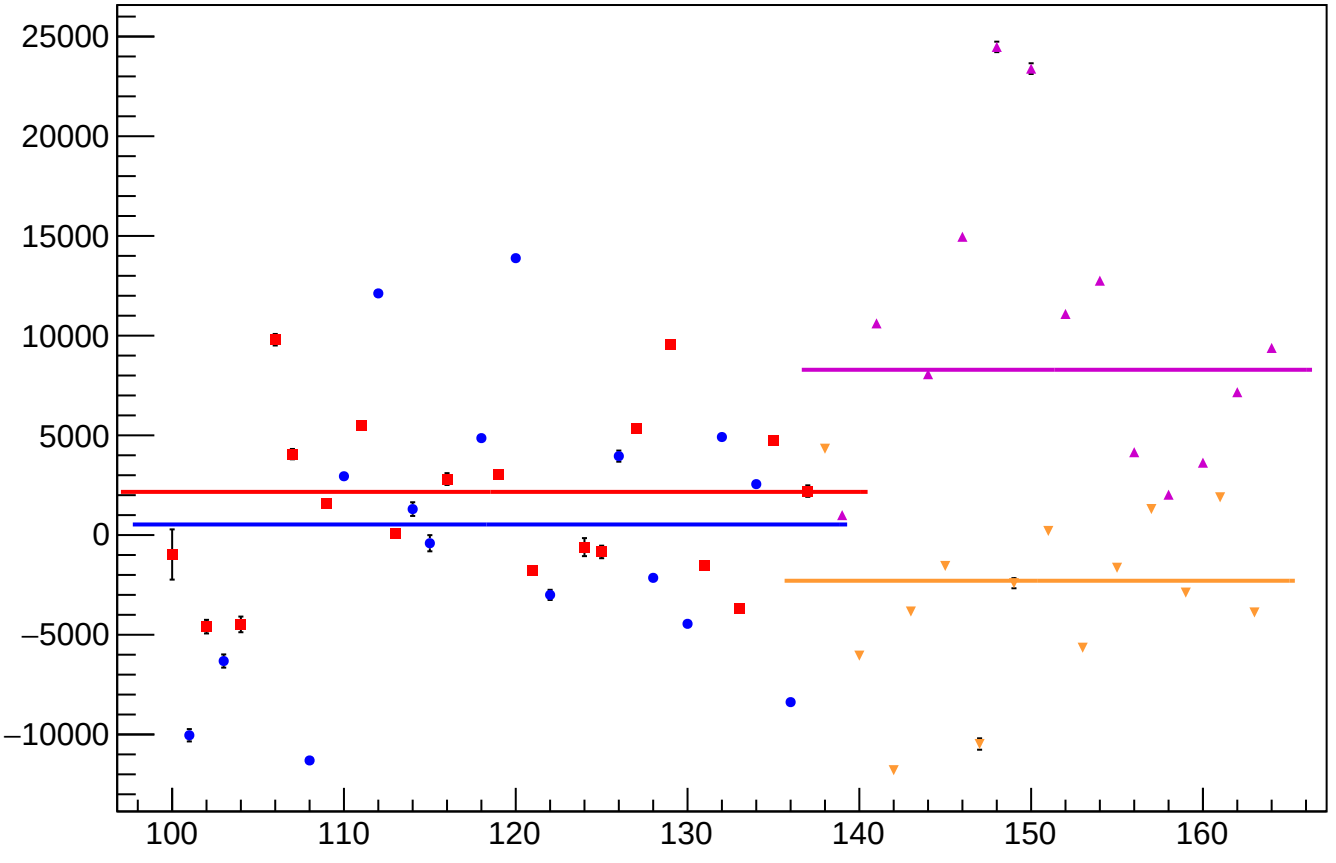
Left In: 105.170+/-0.023 χ^2/NDF:258729.1/12

+ sign 101.311+/-0.017 χ^2/NDF: 1192369.9/29

All: 101.286+/-0.012 χ^2/NDF: 2531625.0/61

- 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: -2291.444+/-46.673 χ^2/NDF:6948.3/13

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

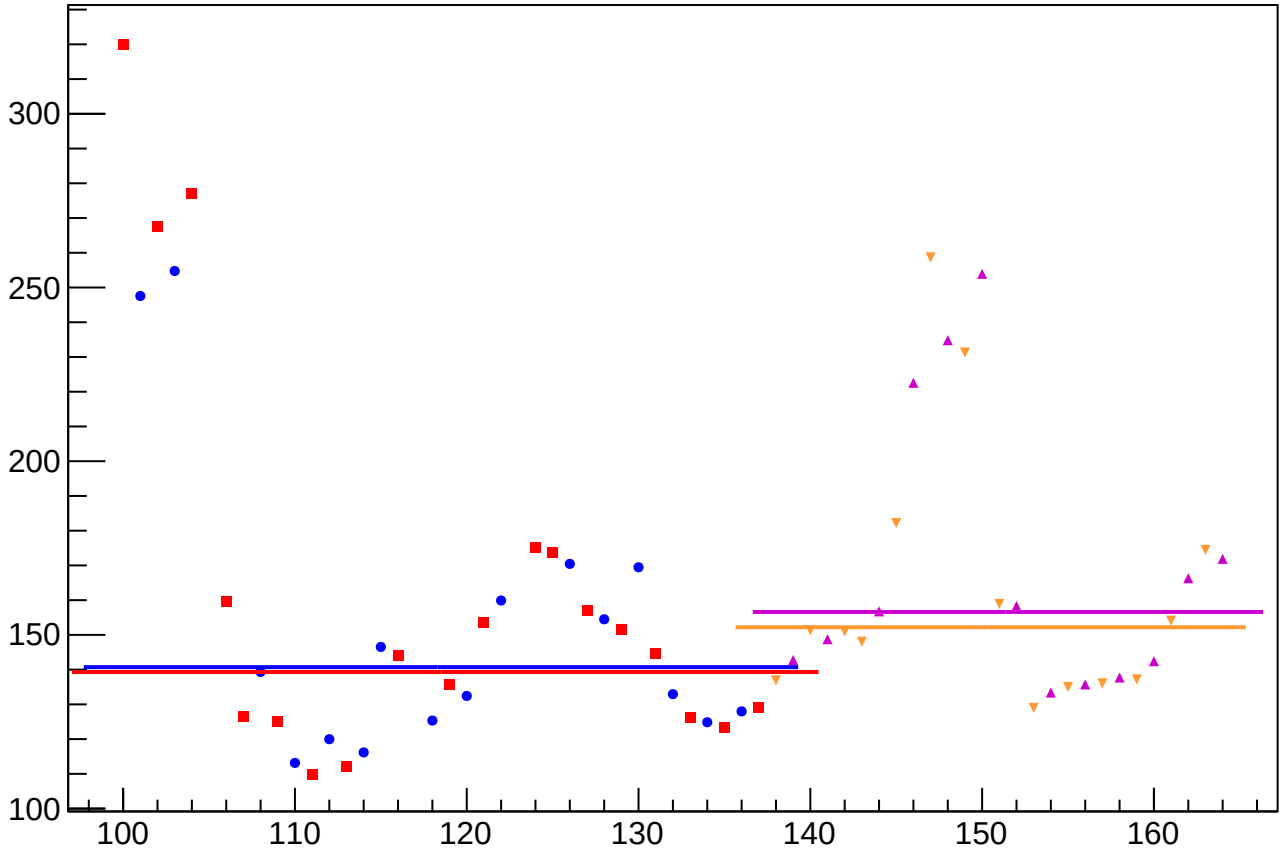
Left In: 8288.269+/-48.717 χ^2/NDF:14794.7/12

+ sign -1106.385+/-35.547 χ^2/NDF: 27071.1/29

All: 2159.295+/-25.297 χ^2/NDF: 71100.5/61

- 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: 152.202+/-0.033 χ^2/NDF:689415.5/13

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

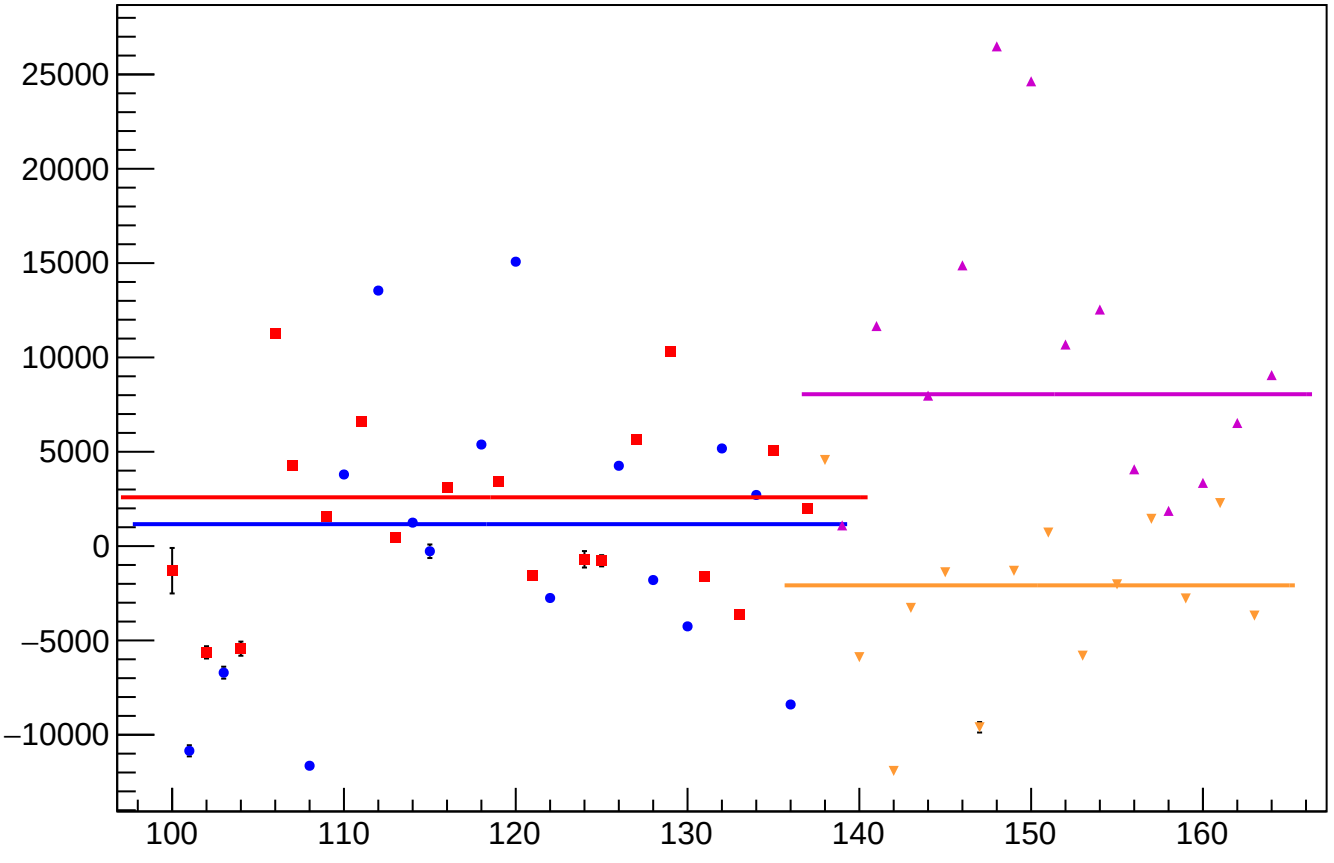
Left In: 156.605+/-0.034 χ^2/NDF:771943.0/12

+ sign 147.378+/-0.025 χ^2/NDF: 1415904.1/29

All: 148.061+/-0.018 χ^2/NDF: 3105931.1/61

- 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: -2080.125+/-41.079 χ^2/NDF:9195.0/13

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

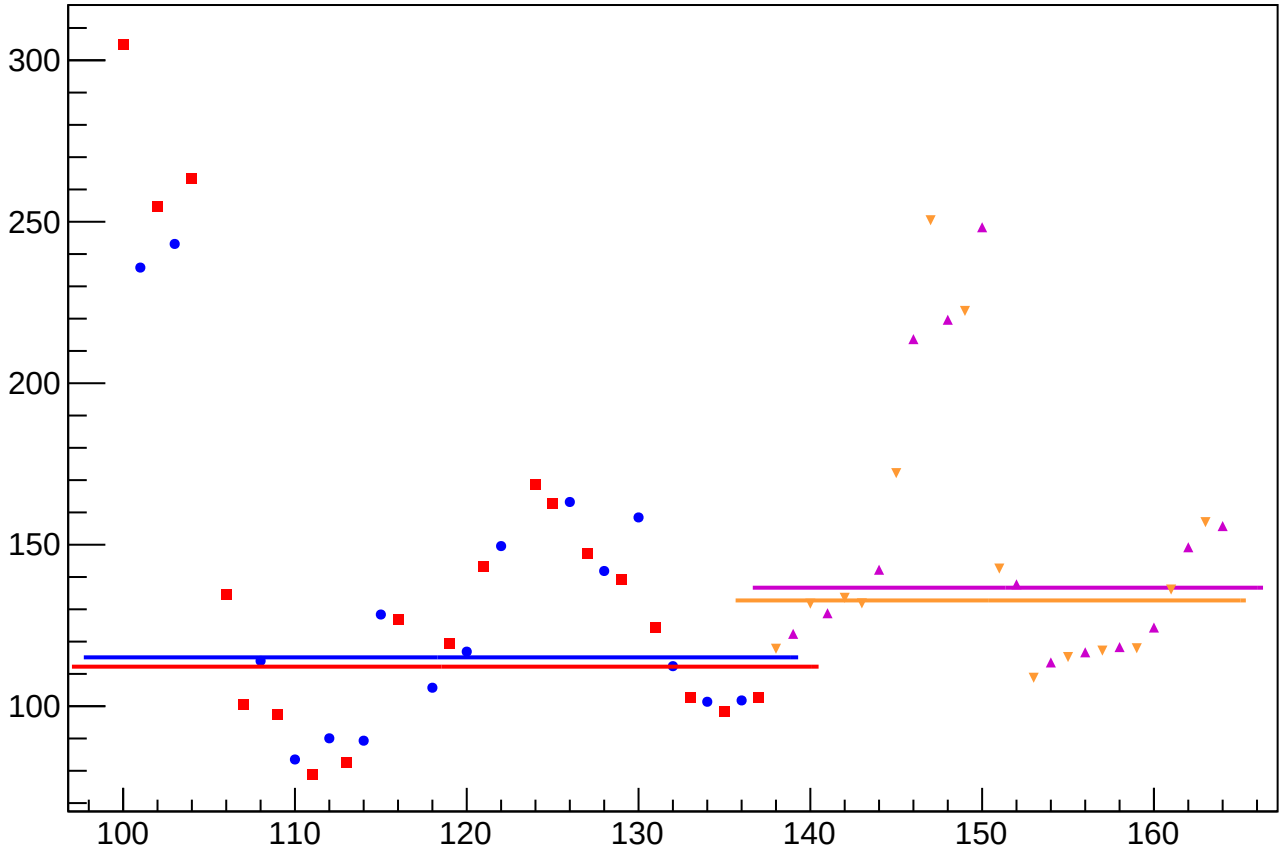
Left In: 8050.101+/-42.987 χ^2/NDF:19889.1/12

+ sign -638.818+/-30.619 χ^2/NDF: 42719.3/29

All: 2358.323+/-21.727 χ^2/NDF: 97847.7/61

- 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: 132.747+/-0.029 χ^2/NDF:959679.3/13

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

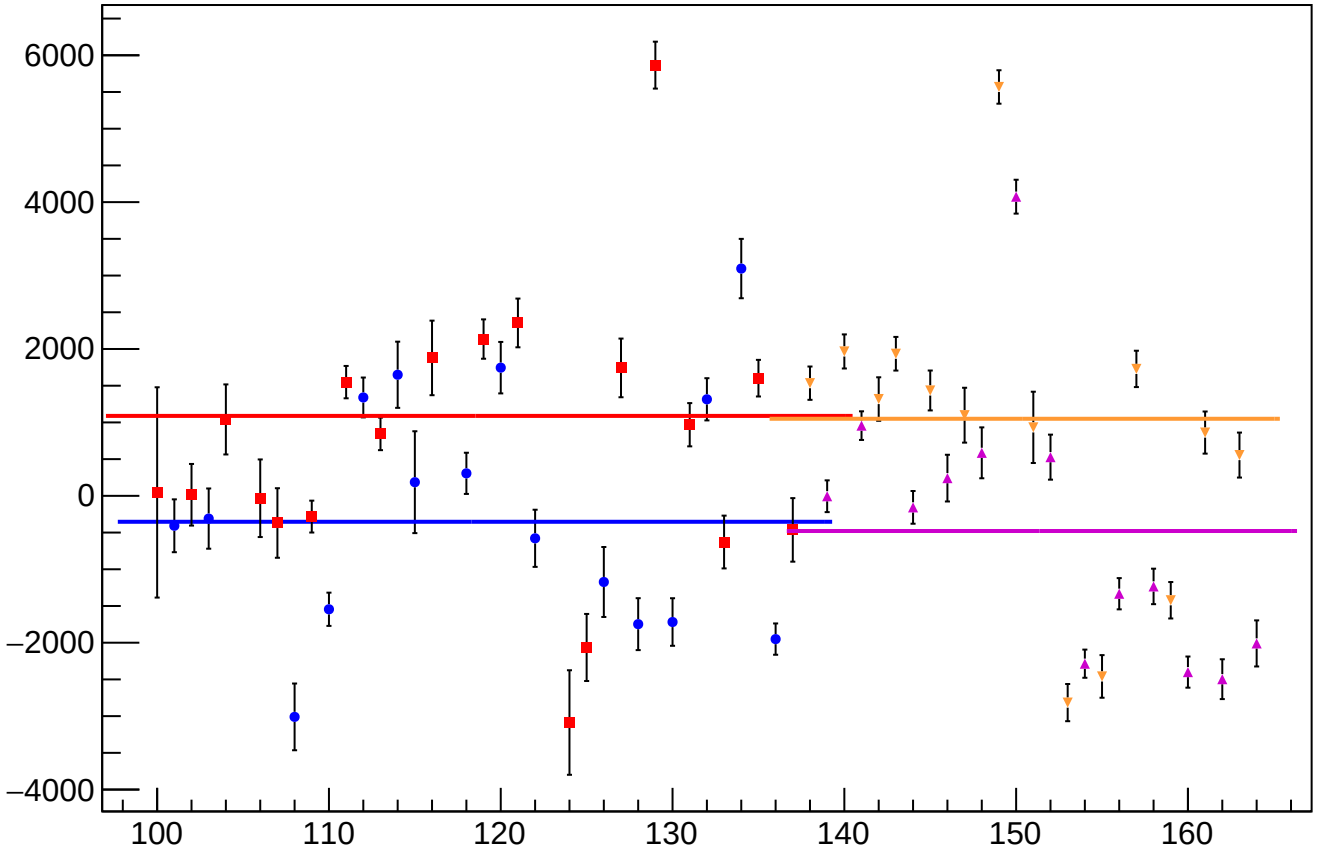
Left In: 136.691+/-0.030 χ^2/NDF:1053790.4/12

+ sign 124.915+/-0.022 χ^2/NDF: 2236219.0/29

All: 124.869+/-0.015 χ^2/NDF: 4932256.1/61

- 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: 1049.725+/-71.516 χ^2/NDF:920.5/13

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

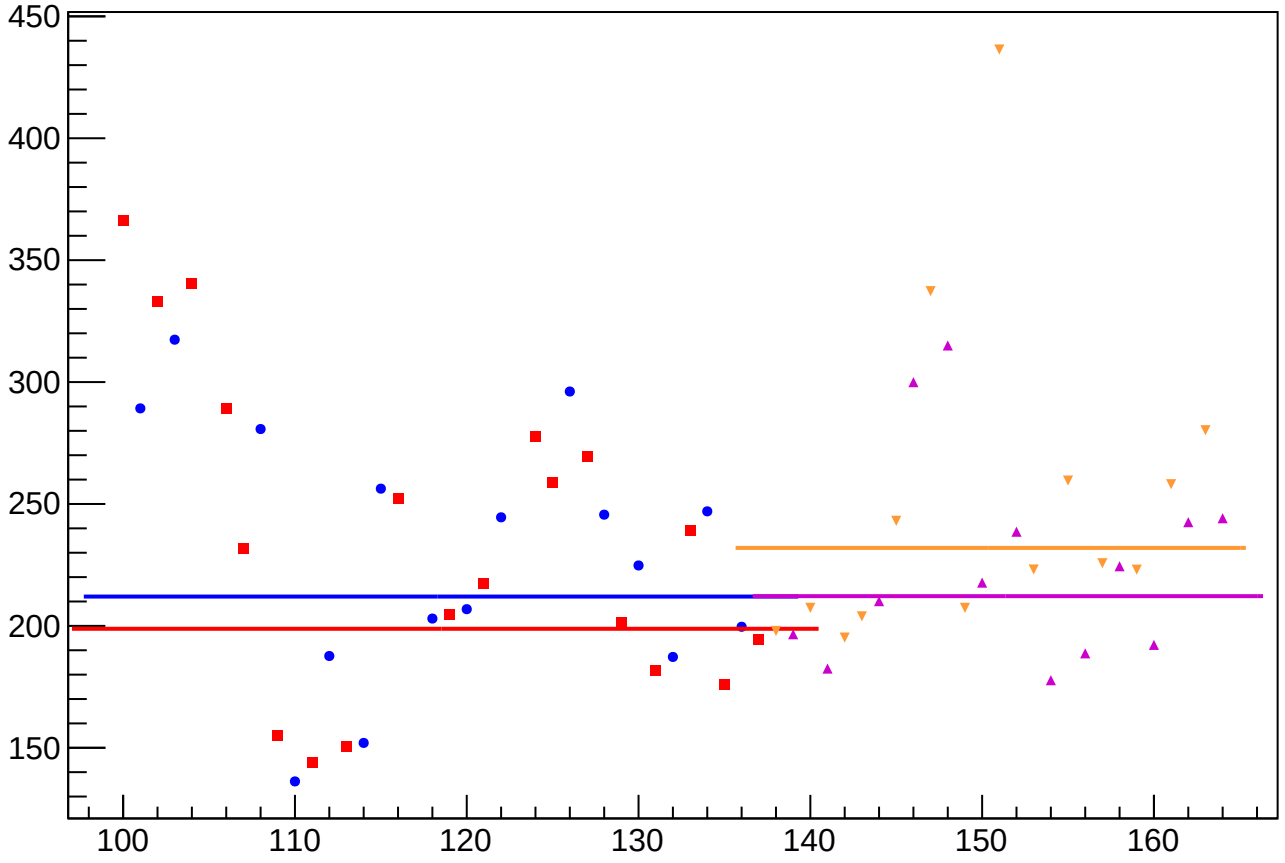
Left In: -478.812+/-66.252 χ^2/NDF:752.0/12

+ sign 444.792+/-53.936 χ^2/NDF: 1448.3/29

All: 309.846+/-36.694 χ^2/NDF: 2899.3/61

- 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: 231.985+/-0.051 χ^2/NDF:759247.0/13

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

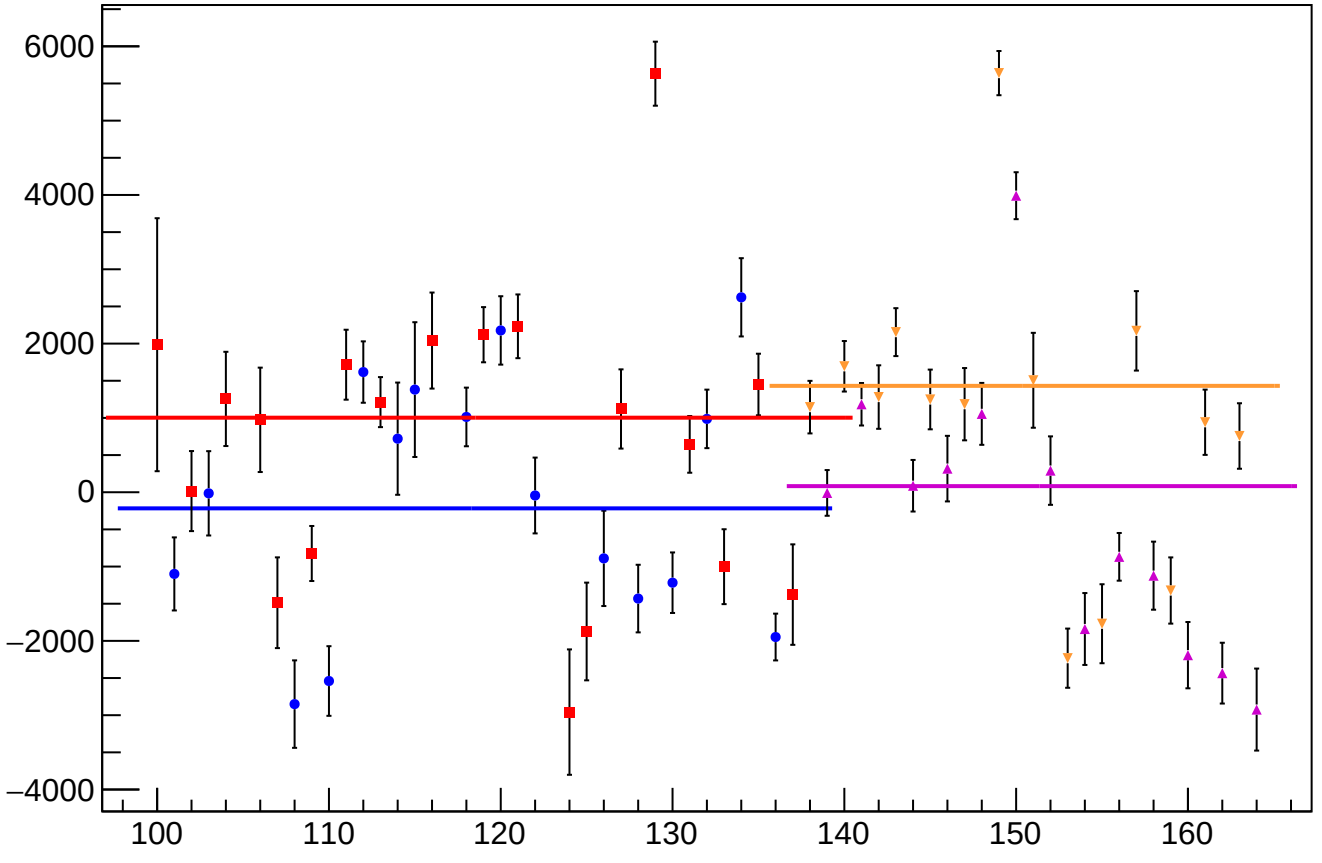
Left In: 212.191+/-0.047 χ^2/NDF:558866.7/12

+ sign 223.379+/-0.038 χ^2/NDF: 1516770.0/29

All: 214.286+/-0.026 χ^2/NDF: 3191389.1/61

- 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: 1431.396+/-108.680 χ^2/NDF:371.8/13

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

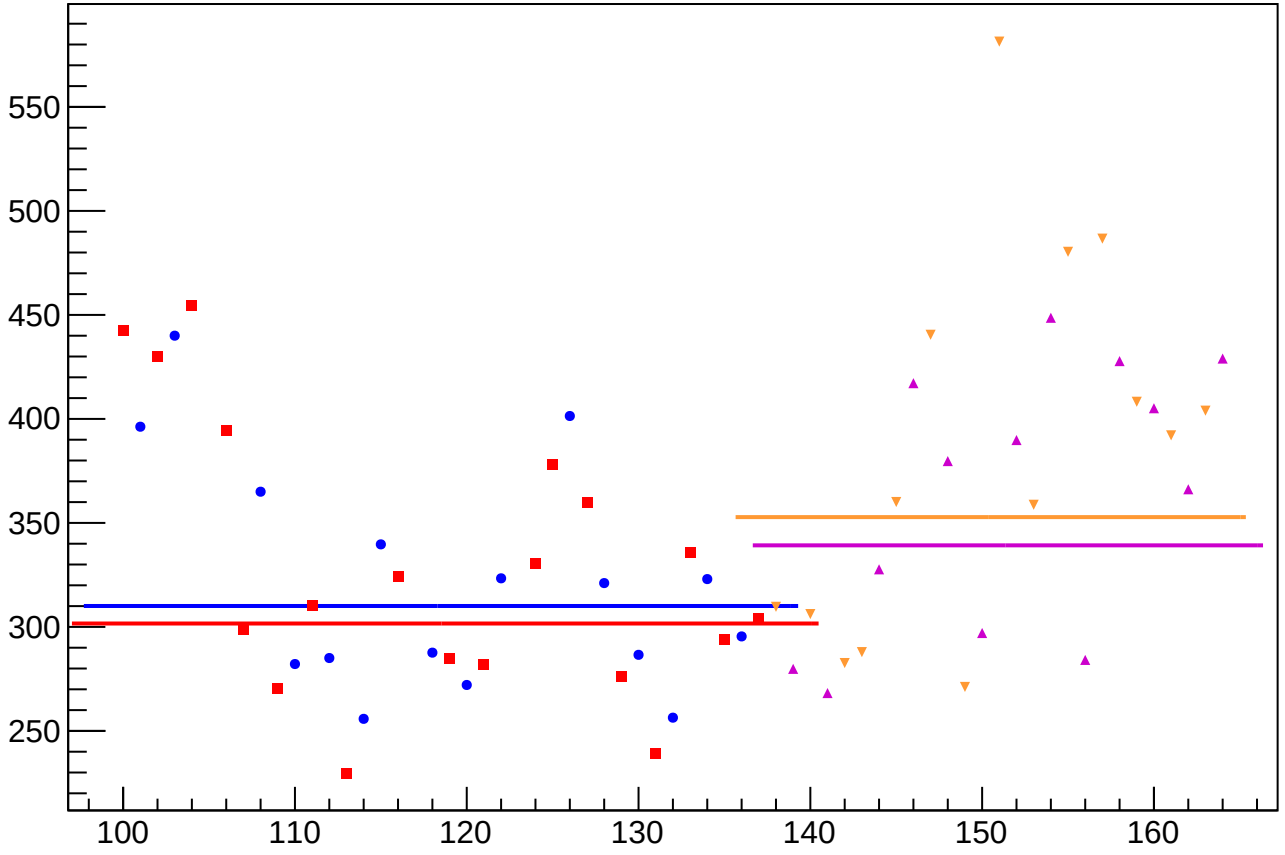
Left In: 82.172+/-105.524 χ^2/NDF:299.1/12

+ sign 674.101+/-79.905 χ^2/NDF: 669.7/29

All: 589.543+/-55.505 χ^2/NDF: 1260.7/61

- 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: 352.788+/-0.077 χ^2/NDF:990310.3/13

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

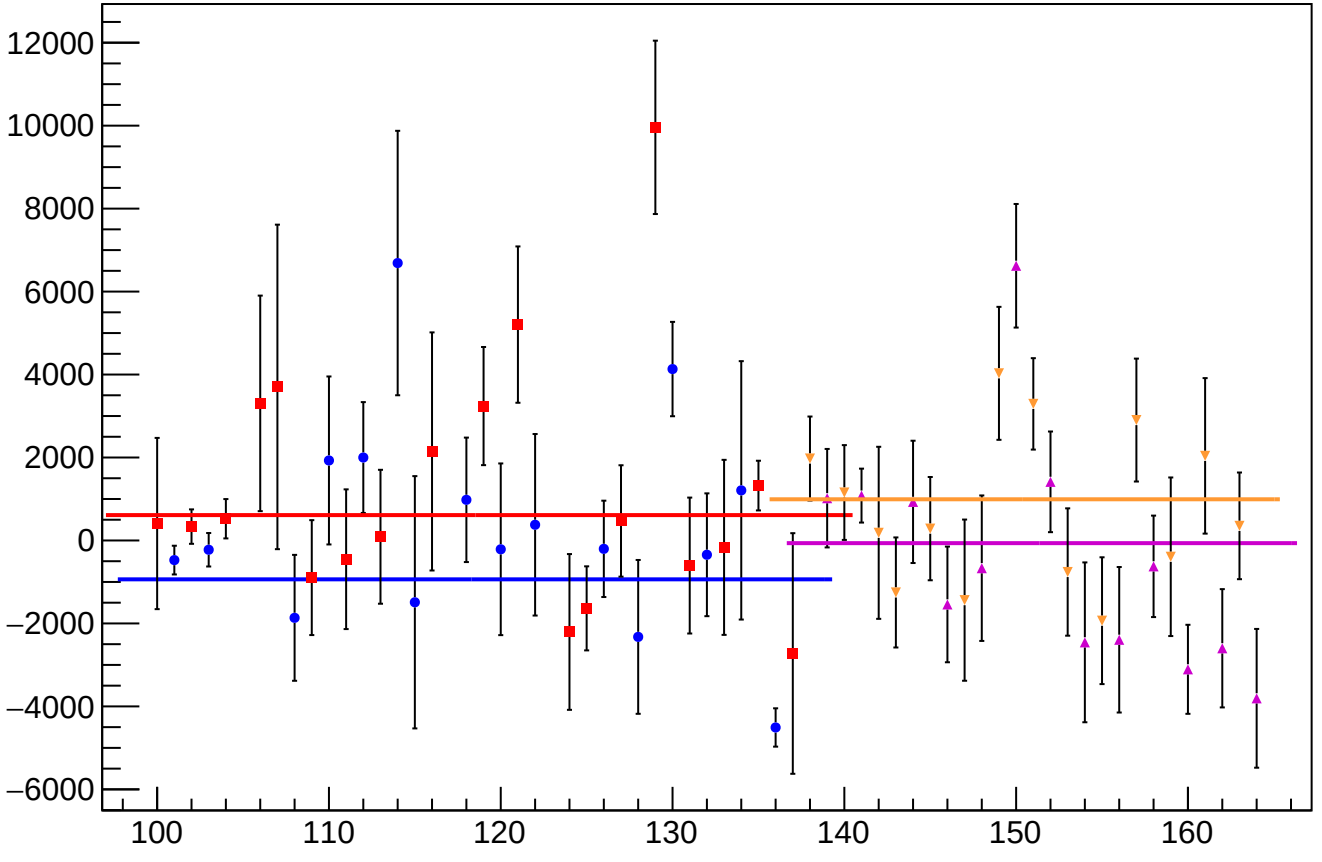
Left In: 339.213+/-0.075 χ^2/NDF:682821.1/12

+ sign 333.158+/-0.057 χ^2/NDF: 1455607.6/29

All: 327.243+/-0.039 χ^2/NDF: 2797509.7/61

- 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: 992.846+/-374.313 χ^2/NDF:21.5/13

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

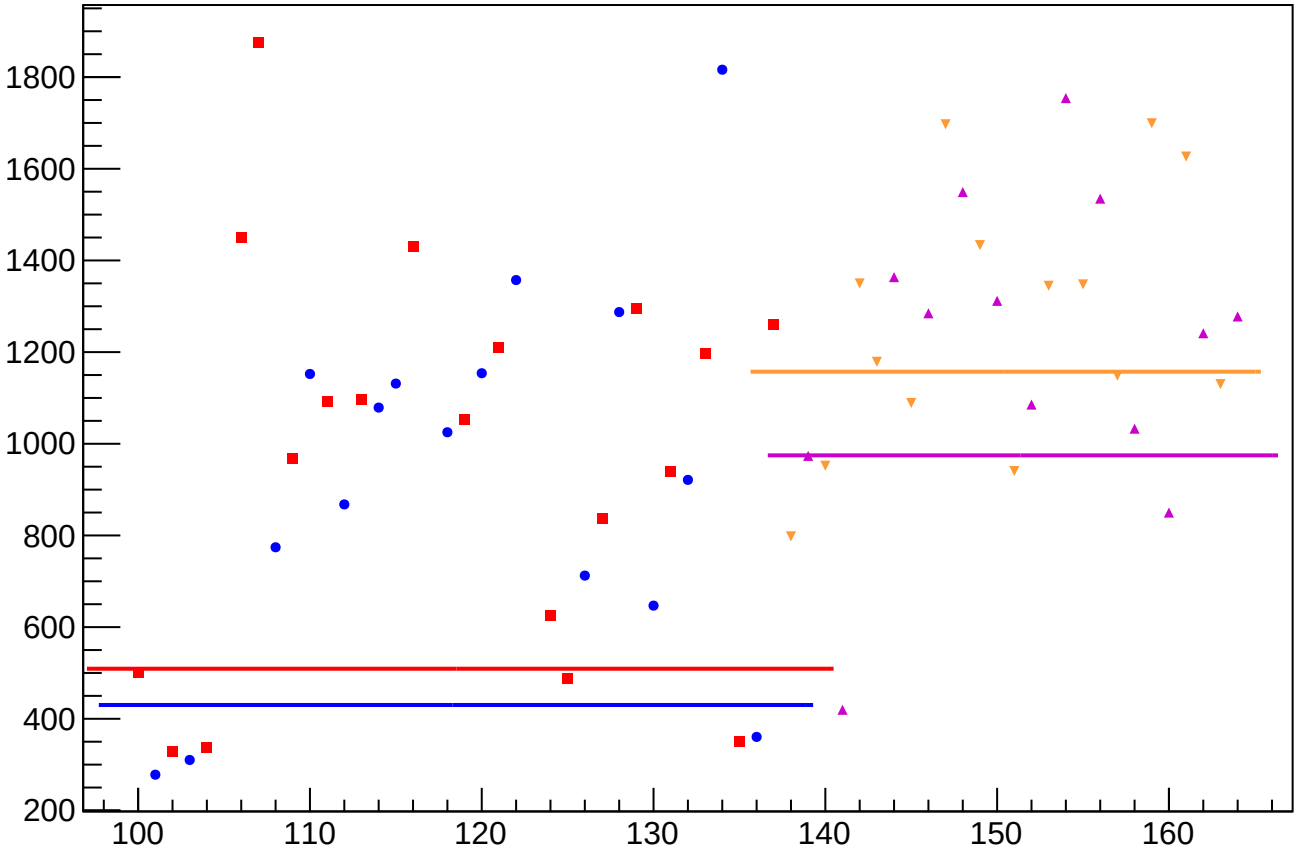
Left In: -64.377+/-343.266 χ^2/NDF:47.0/12

+ sign -492.624+/-179.610 χ^2/NDF: 143.2/29

All: -78.850+/-131.440 χ^2/NDF: 248.4/61

- 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: 1157.252+/-0.265 χ^2/NDF:979366.5/13

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

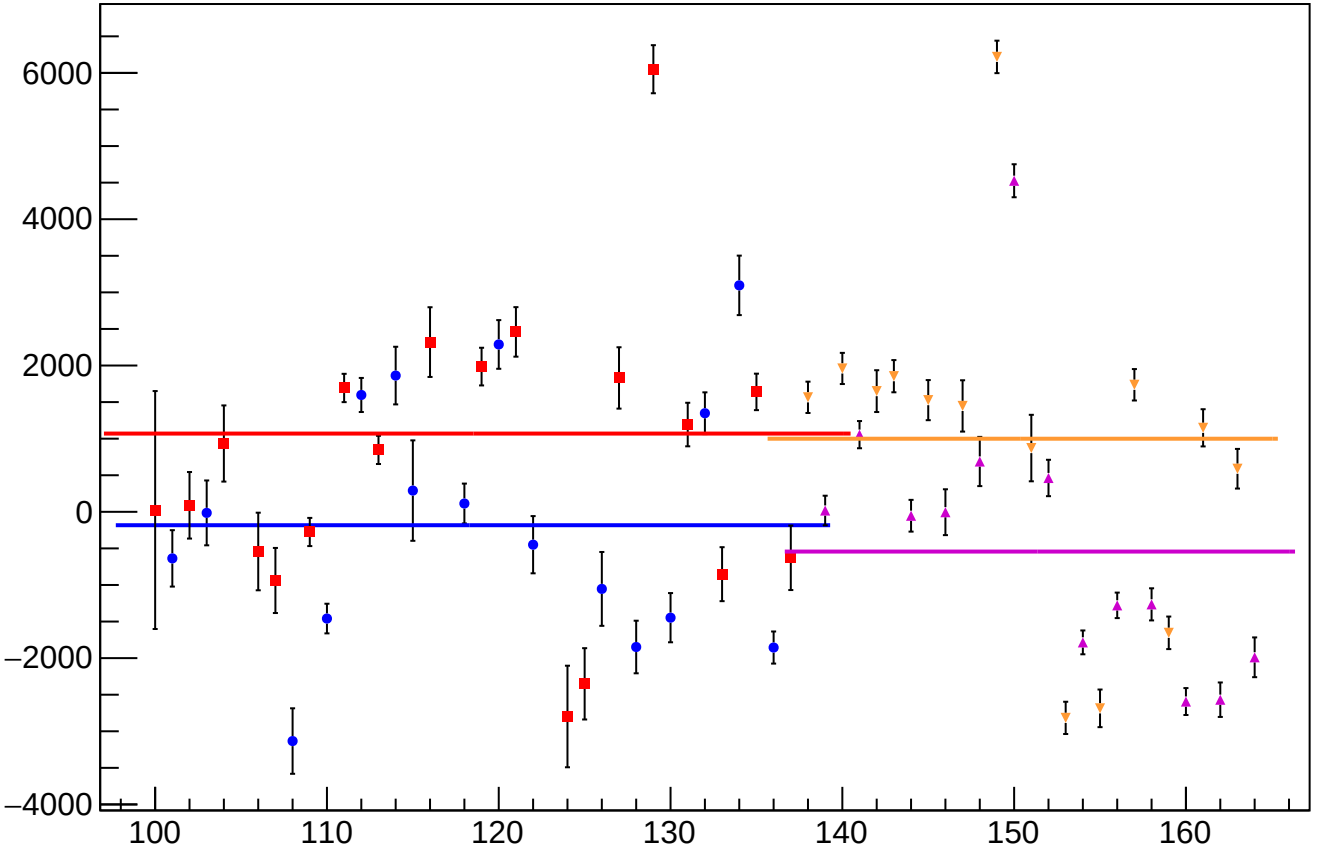
Left In: 974.759+/-0.243 χ^2/NDF:2728579.8/12

+ sign 597.531+/-0.127 χ^2/NDF: 10310898.5/29

All: 624.777+/-0.093 χ^2/NDF: 19329148.6/61

- 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: 999.329+/-65.949 χ^2/NDF:1267.6/13

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

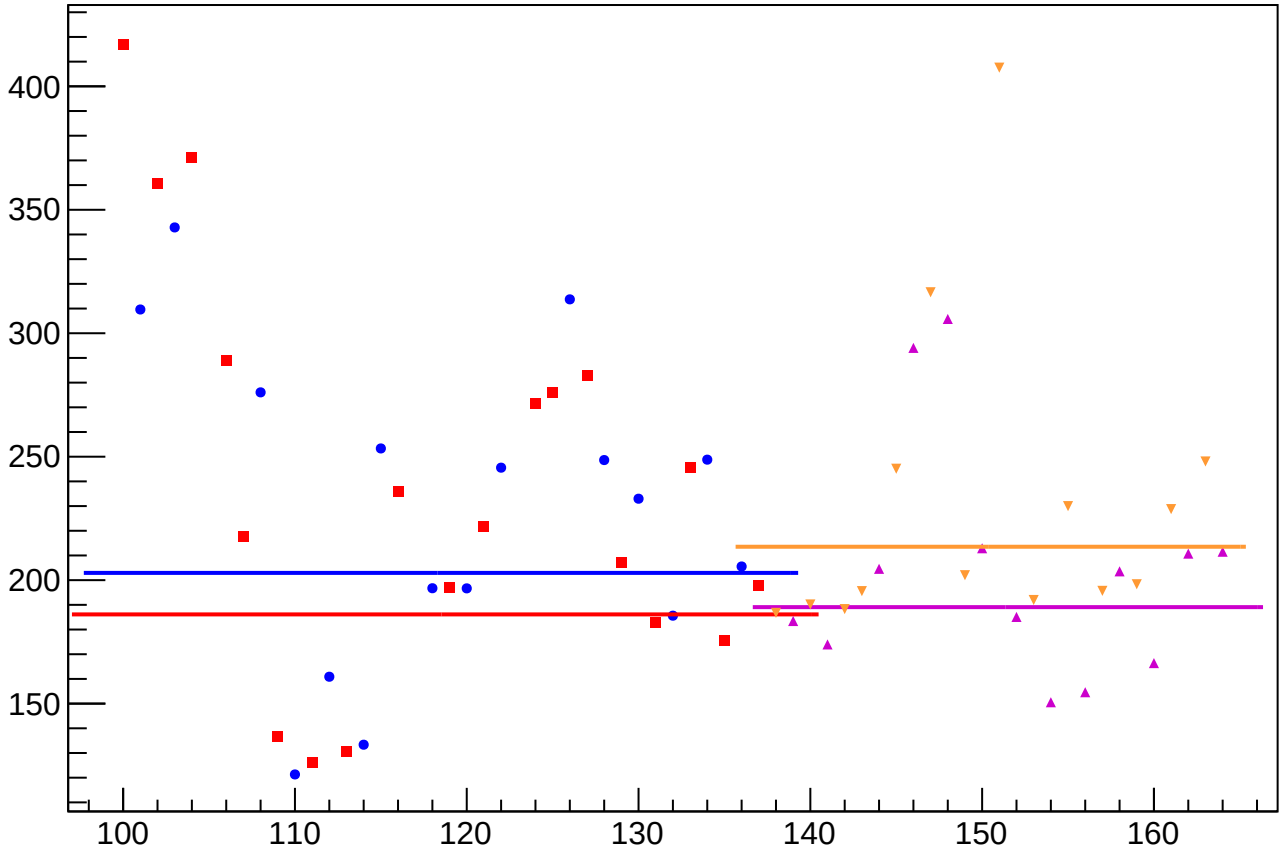
Left In: -543.299+/-59.565 χ^2/NDF:937.1/12

+ sign 519.960+/-50.852 χ^2/NDF: 1815.6/29

All: 290.165+/-34.181 χ^2/NDF: 3575.0/61

- 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: 213.533+/-0.047 χ^2/NDF:743602.0/13

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

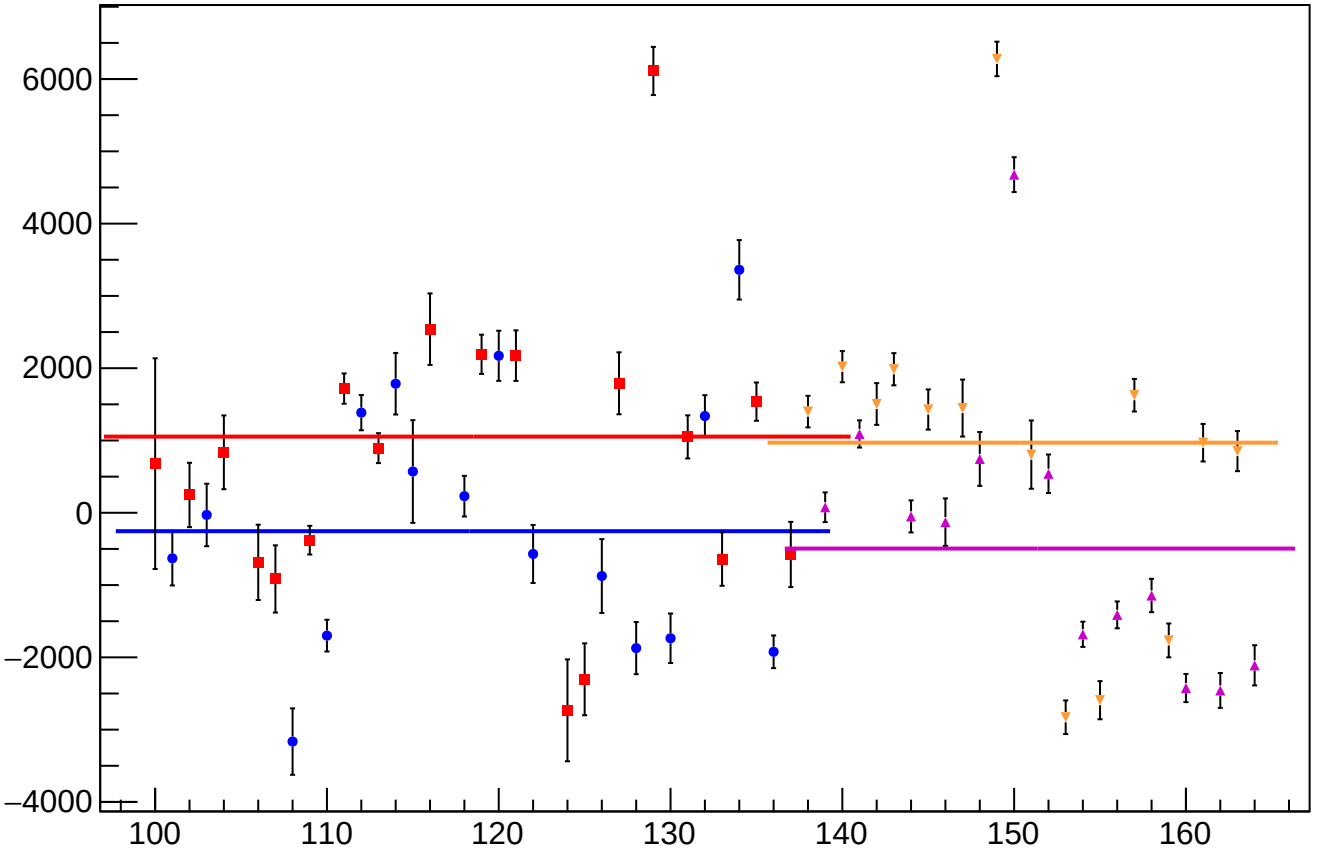
Left In: 189.074+/-0.042 χ^2/NDF:772756.8/12

+ sign 209.239+/-0.036 χ^2/NDF: 1836376.5/29

All: 197.540+/-0.024 χ^2/NDF: 4285833.1/61

- 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: 969.959+/-68.244 χ^2/NDF:1144.6/13

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

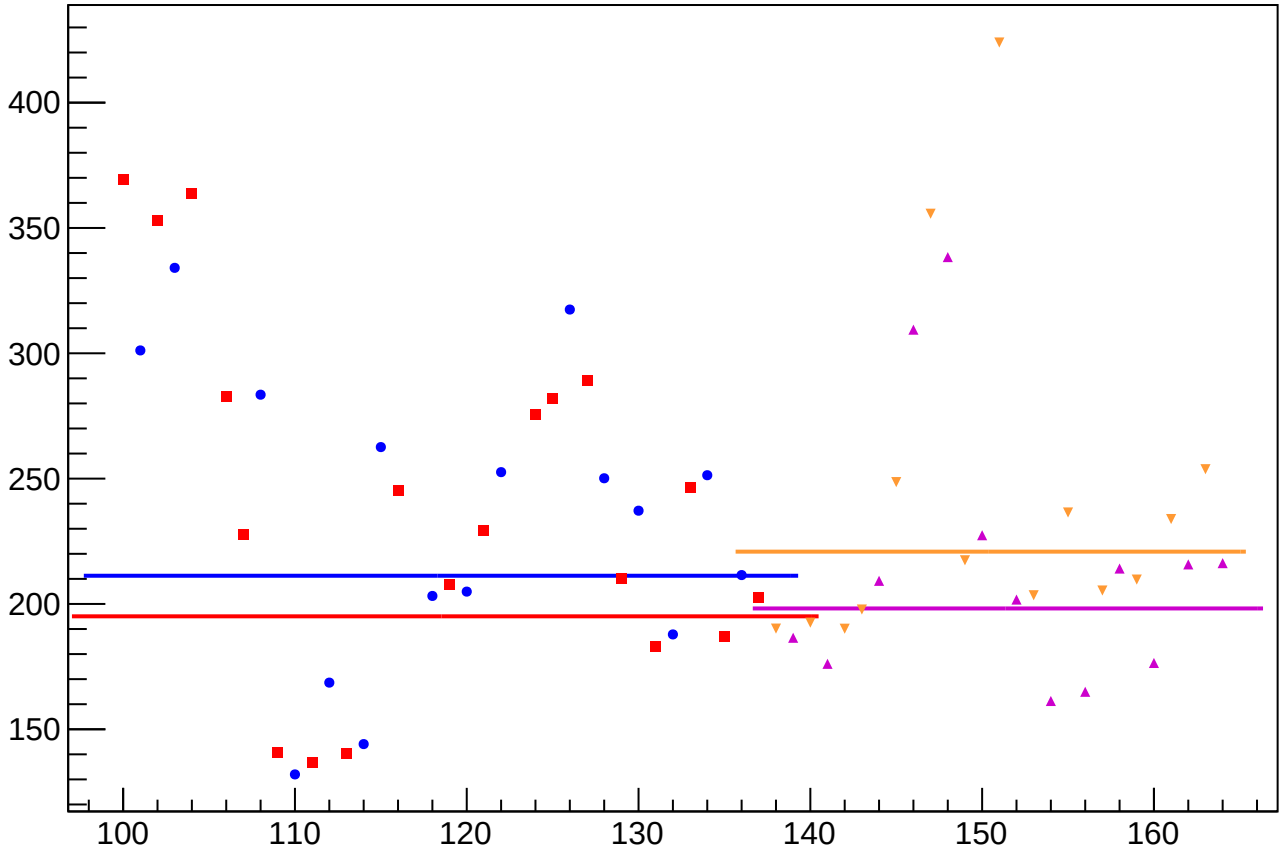
Left In: -495.030+/-62.359 χ^2/NDF:847.7/12

+ sign 472.435+/-52.582 χ^2/NDF: 1684.6/29

All: 285.502+/-35.531 χ^2/NDF: 3281.6/61

- 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: 220.868+/-0.048 χ^2/NDF:807667.1/13

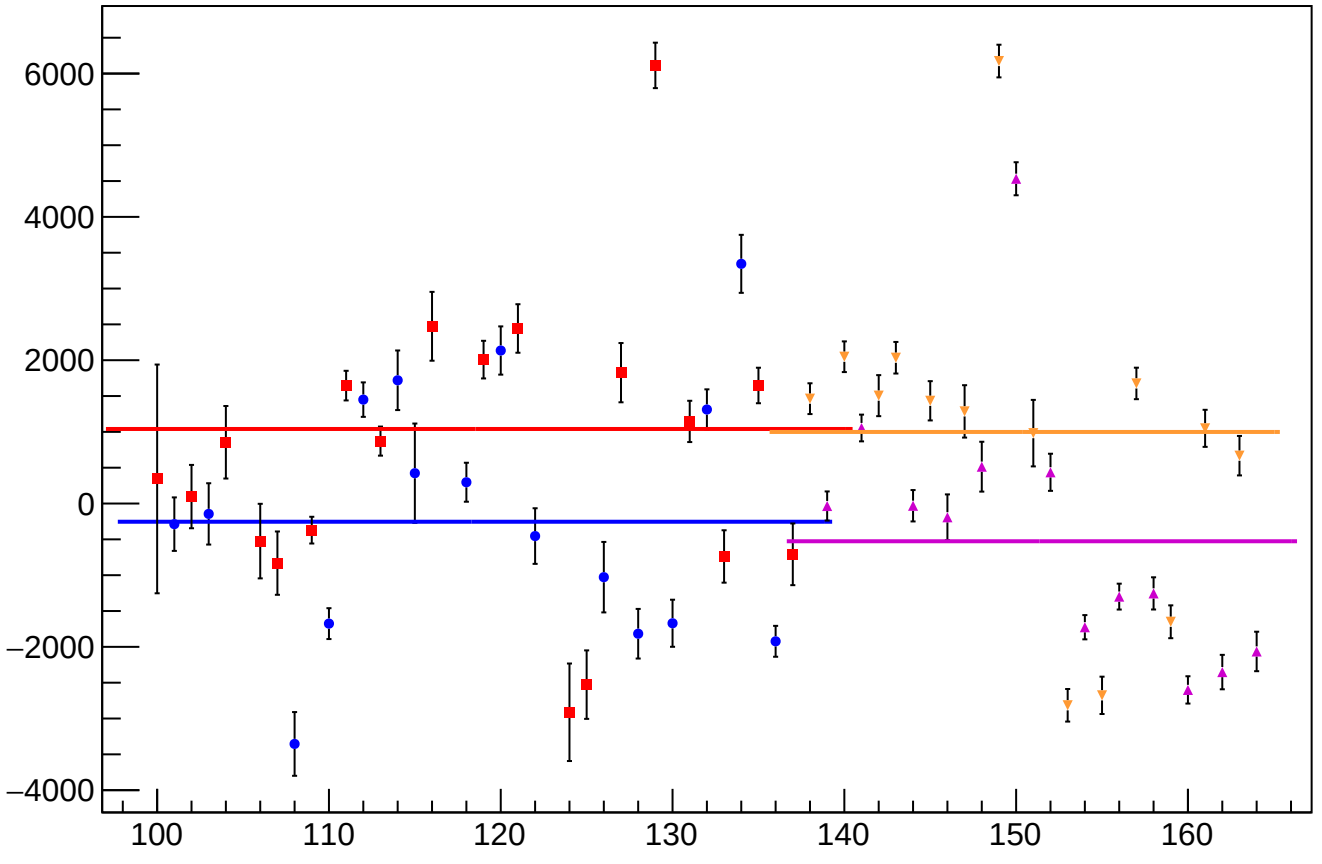
Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 198.203+/-0.044 χ^2/NDF:788429.8/12

+ sign 216.961+/-0.037 χ^2/NDF: 1708160.4/29

All: 206.081+/-0.025 χ^2/NDF: 3941104.7/61

- sign 196.938+/-0.034 χ^2/NDF: 2075353.5/31



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 998.812+/-66.976 χ^2/NDF:1198.1/13

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

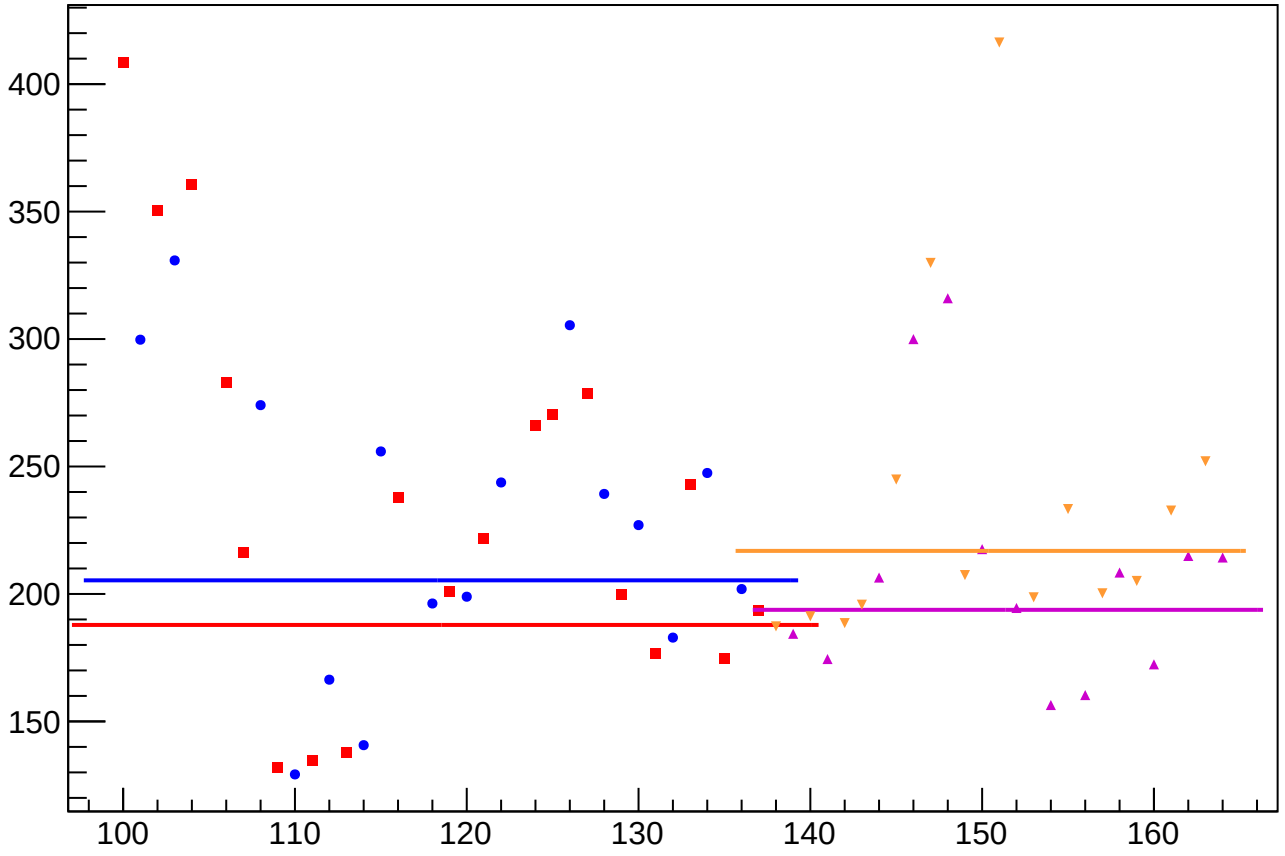
Left In: -526.494+/-60.957 χ^2/NDF:874.6/12

+ sign 484.221+/-51.413 χ^2/NDF: 1773.9/29

All: 281.784+/-34.643 χ^2/NDF: 3480.1/61

- 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: 216.898+/-0.047 χ^2/NDF:767023.4/13

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

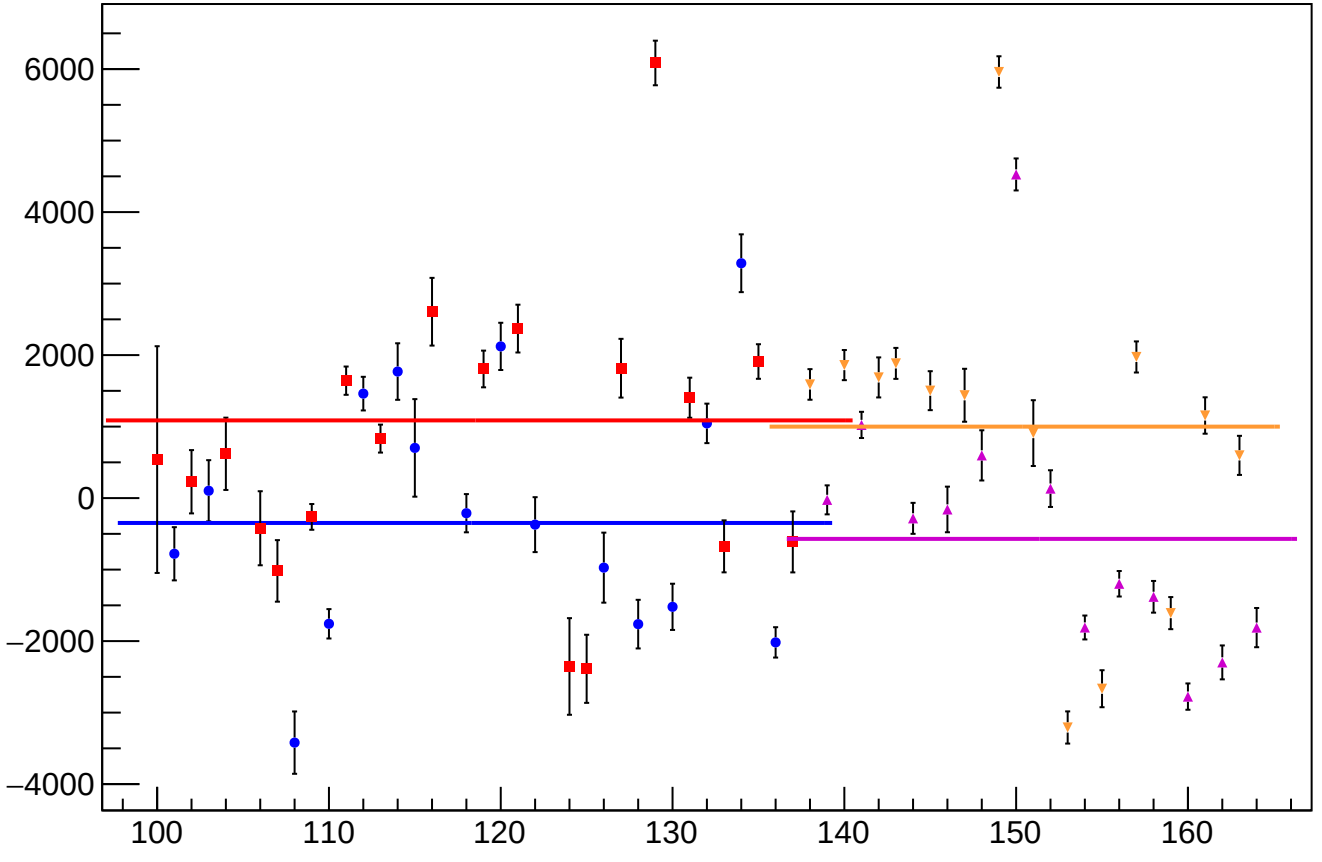
Left In: 193.777+/-0.043 χ^2/NDF:748476.6/12

+ sign 212.151+/-0.036 χ^2/NDF: 1668878.8/29

All: 200.797+/-0.024 χ^2/NDF: 3940776.0/61

- 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: 999.569+/-66.074 χ^2/NDF:1268.3/13

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

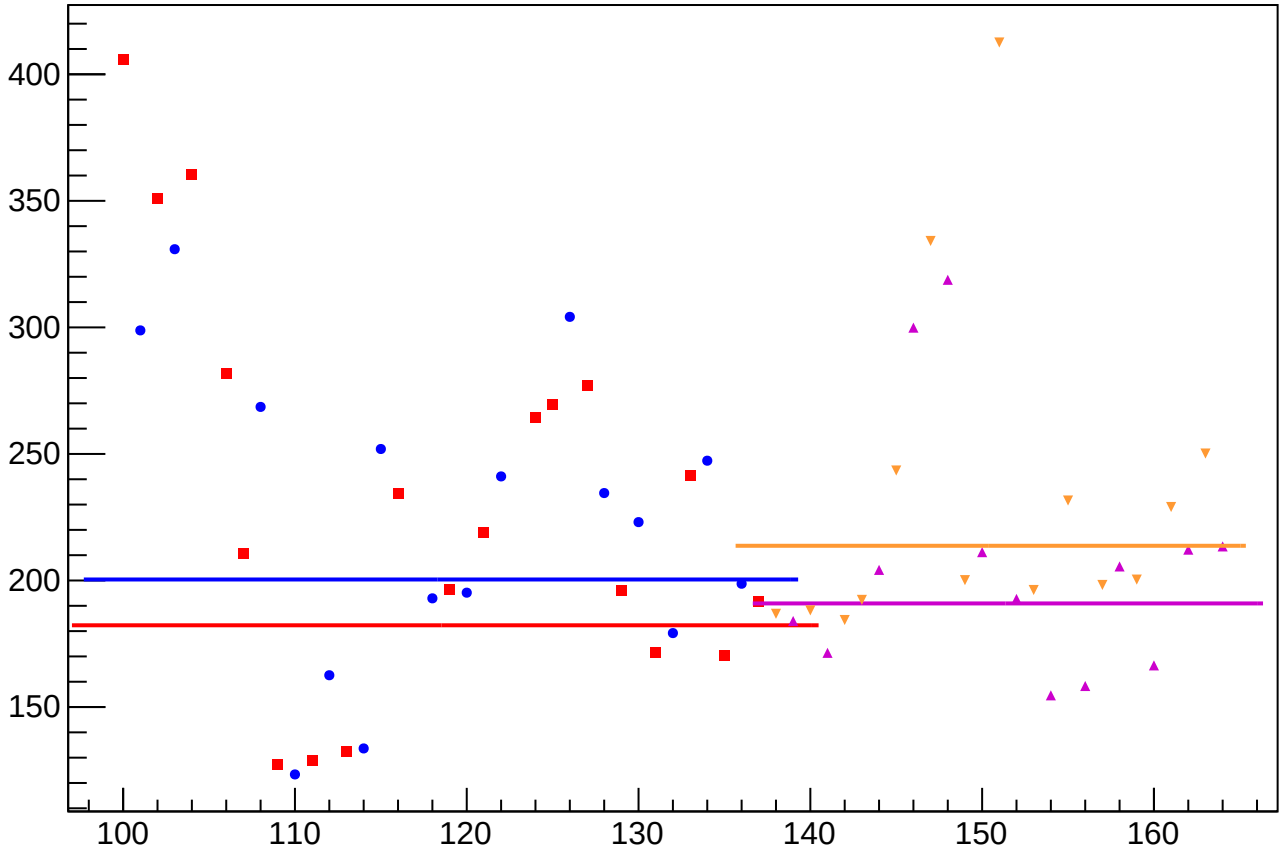
Left In: -570.438+/-60.125 χ^2/NDF:921.4/12

+ sign 441.454+/-50.569 χ^2/NDF: 1886.3/29

All: 263.198+/-34.039 χ^2/NDF: 3672.1/61

- 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: 213.718+/-0.047 χ^2/NDF:800331.8/13

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

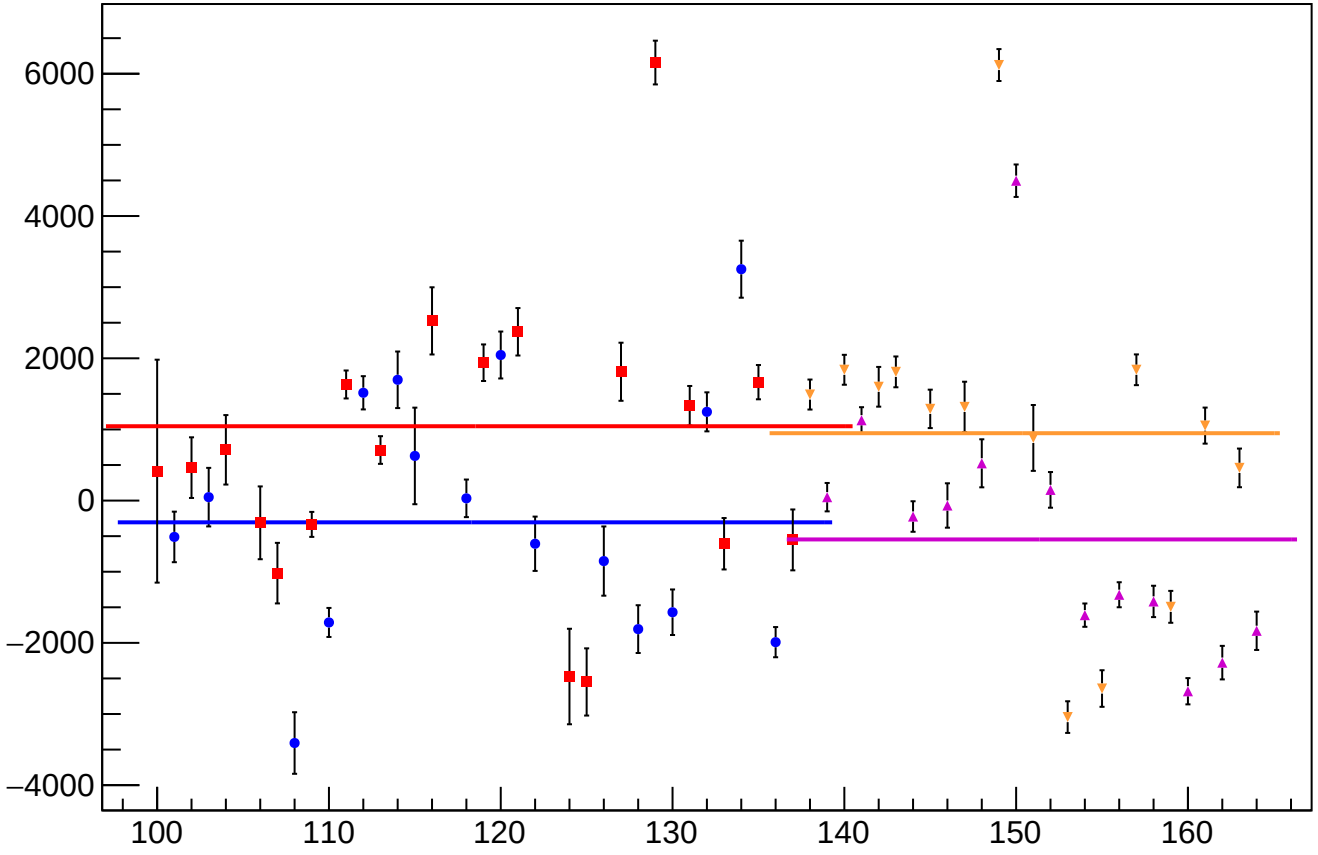
Left In: 190.940+/-0.043 χ^2/NDF:782681.3/12

+ sign 208.200+/-0.036 χ^2/NDF: 1792999.0/29

All: 196.805+/-0.024 χ^2/NDF: 4225671.6/61

- 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: 947.246+/-65.766 χ^2/NDF:1236.3/13

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

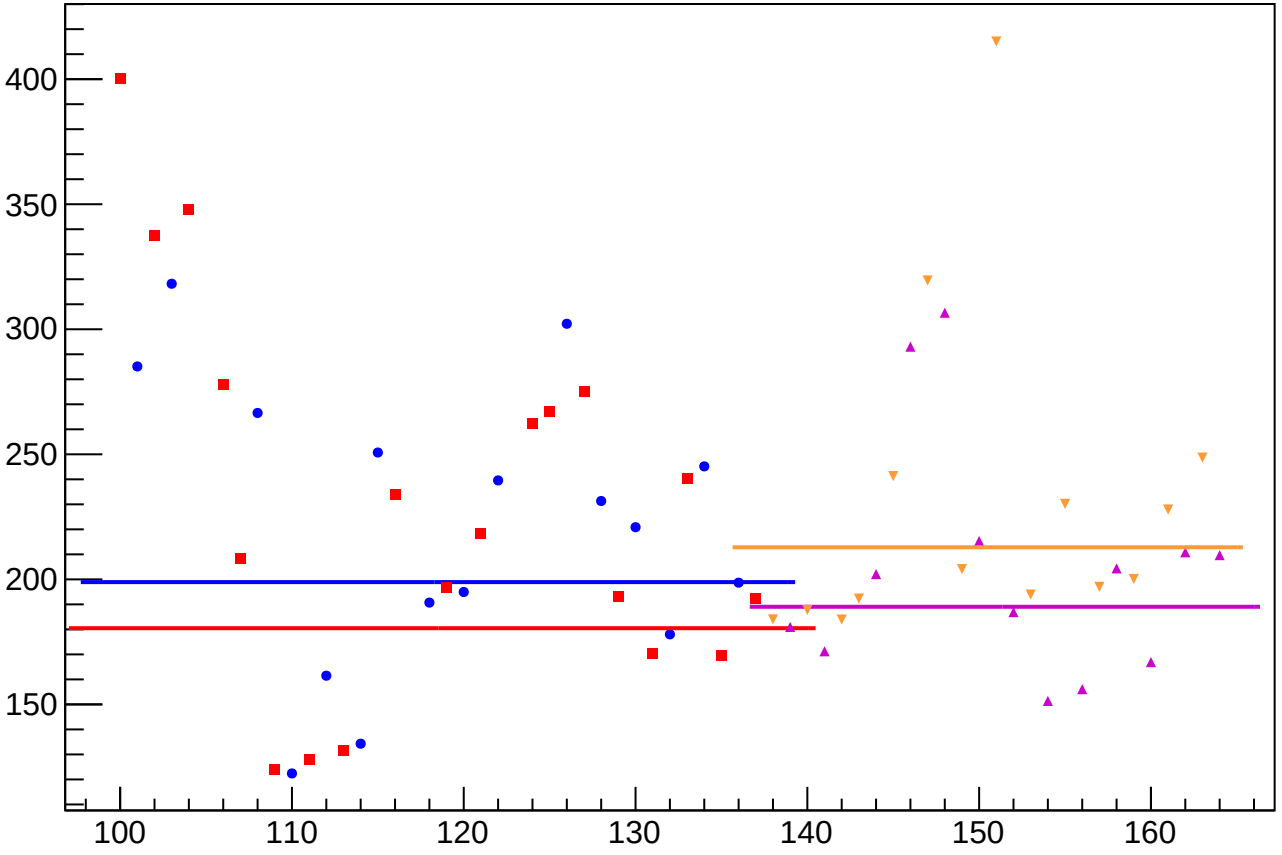
Left In: -546.106+/-59.546 χ^2/NDF:891.0/12

+ sign 425.624+/-50.244 χ^2/NDF: 1839.3/29

All: 254.064+/-33.758 χ^2/NDF: 3599.4/61

- 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: 212.827+/-0.047 χ^2/NDF:776136.1/13

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

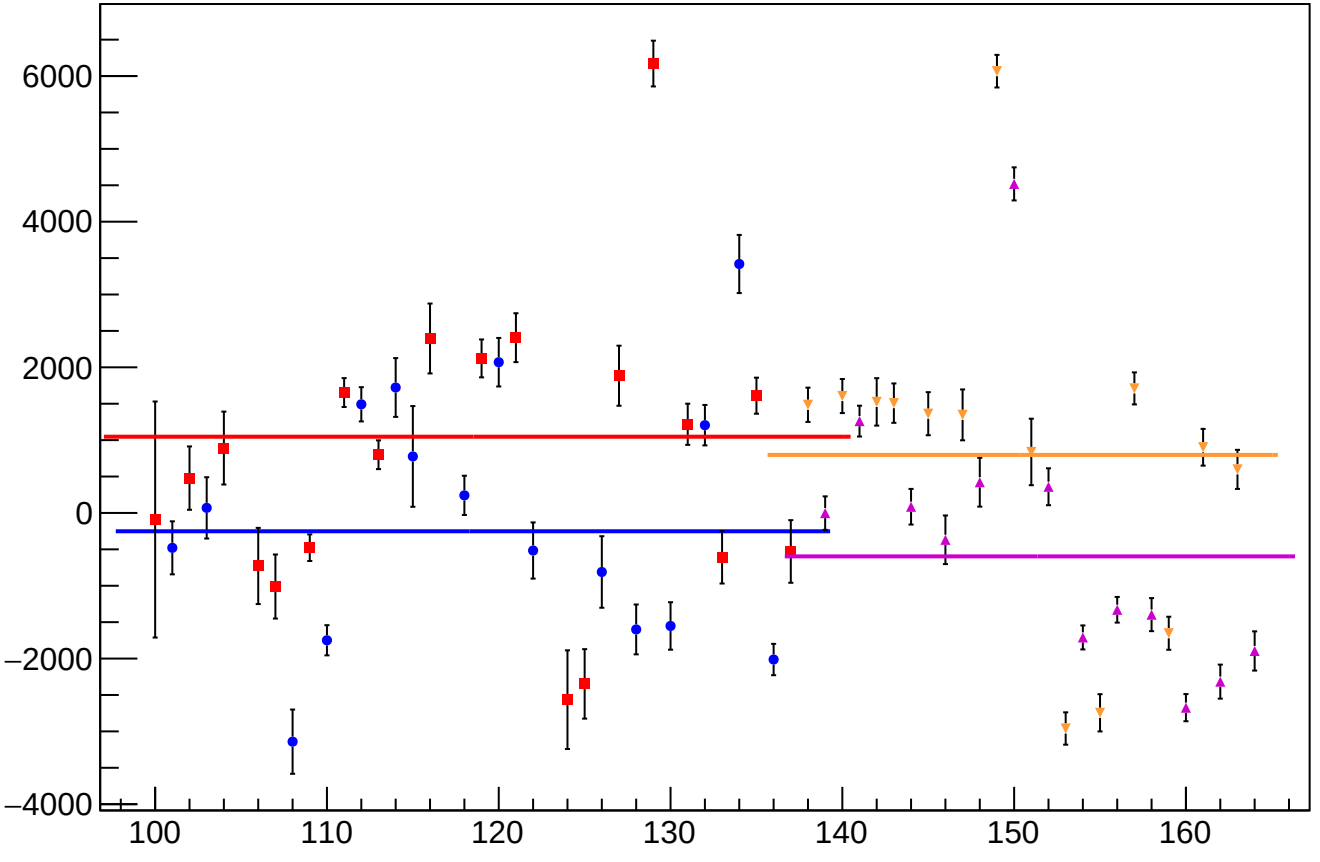
Left In: 189.043+/-0.042 χ^2/NDF:763989.9/12

+ sign 207.030+/-0.036 χ^2/NDF: 1726226.4/29

All: 195.215+/-0.024 χ^2/NDF: 4143381.2/61

- 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: 796.896+/-69.179 χ^2/NDF:1205.1/13

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

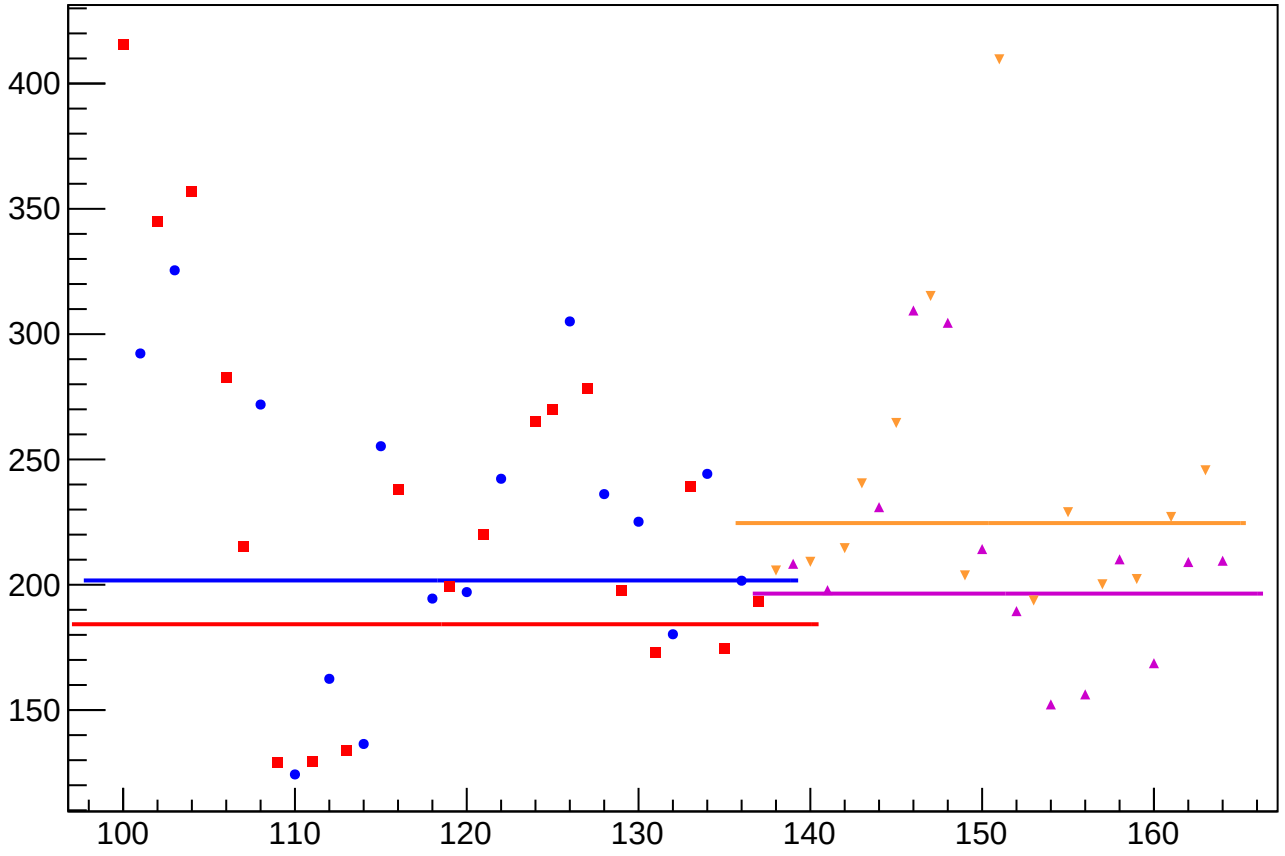
Left In: -596.477+/-62.013 χ^2/NDF:899.9/12

+ sign 341.582+/-52.037 χ^2/NDF: 1746.1/29

All: 209.405+/-34.896 χ^2/NDF: 3502.8/61

- 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: 224.612+/-0.049 χ^2/NDF:642909.3/13

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

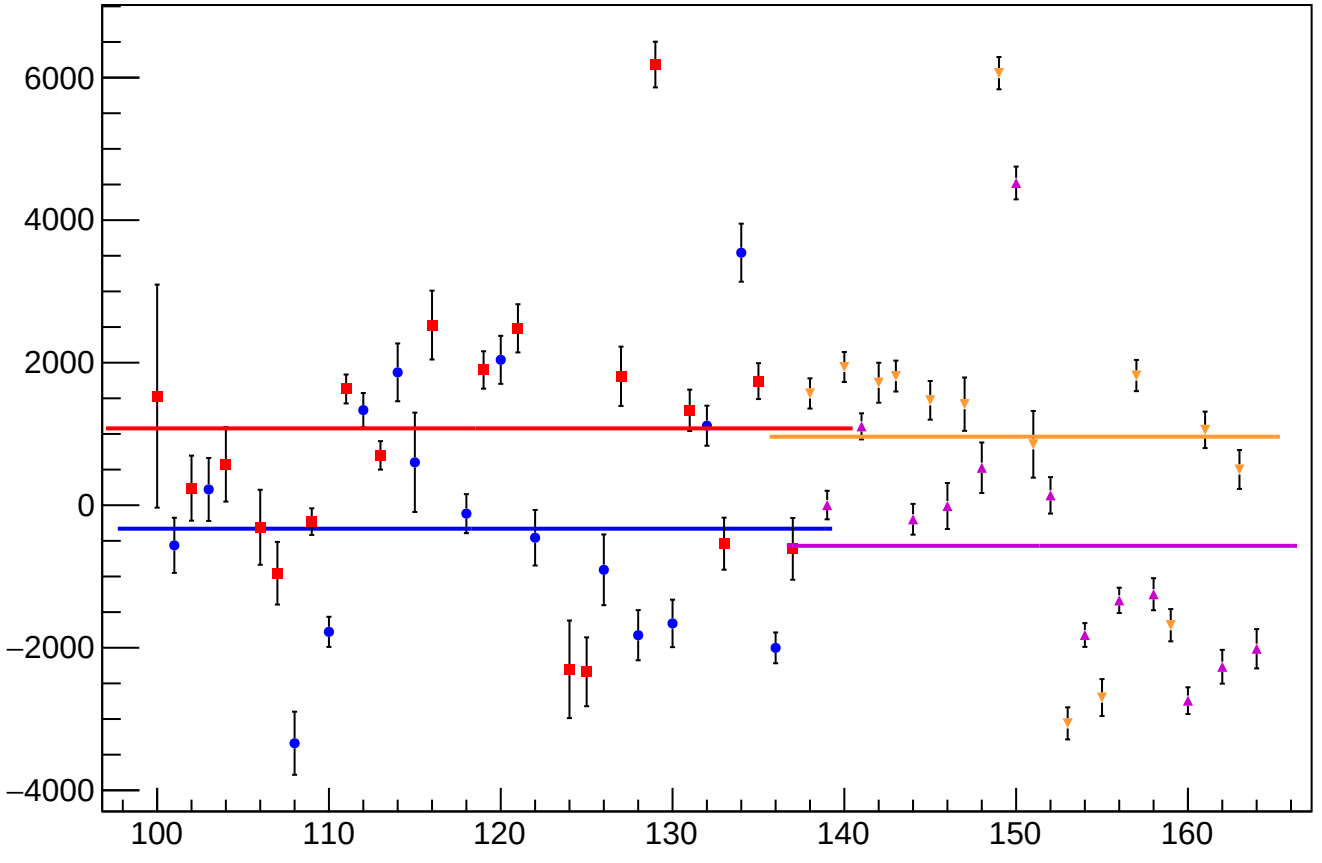
Left In: 196.466+/-0.044 χ^2/NDF:805991.5/12

+ sign 214.670+/-0.037 χ^2/NDF: 1662256.3/29

All: 201.796+/-0.025 χ^2/NDF: 4127427.0/61

- 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: 961.316+/-66.329 χ^2/NDF:1238.2/13

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

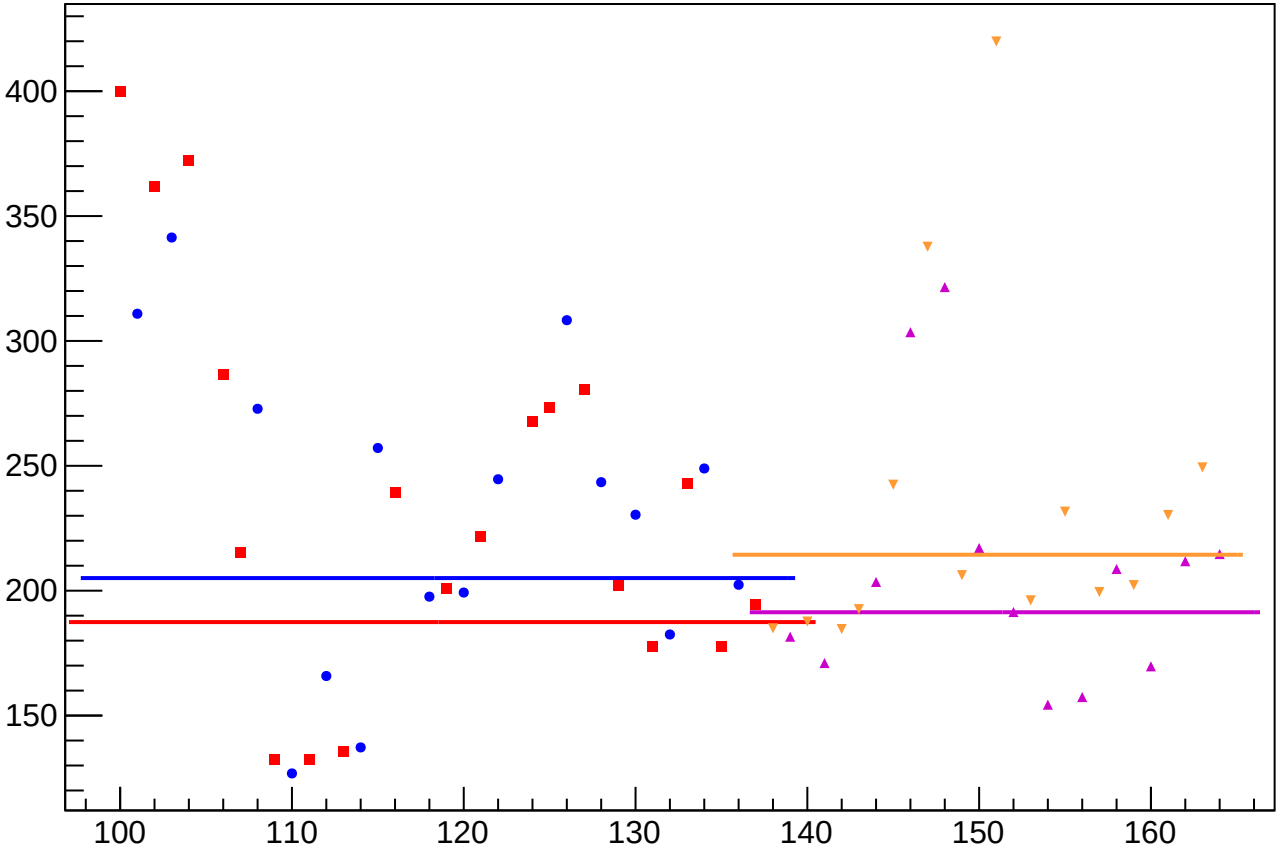
Left In: -569.865+/-60.326 χ^2/NDF:902.0/12

+ sign 438.360+/-51.156 χ^2/NDF: 1828.1/29

All: 250.403+/-34.452 χ^2/NDF: 3557.5/61

- 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: 214.392+/-0.047 χ^2/NDF:818088.4/13

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

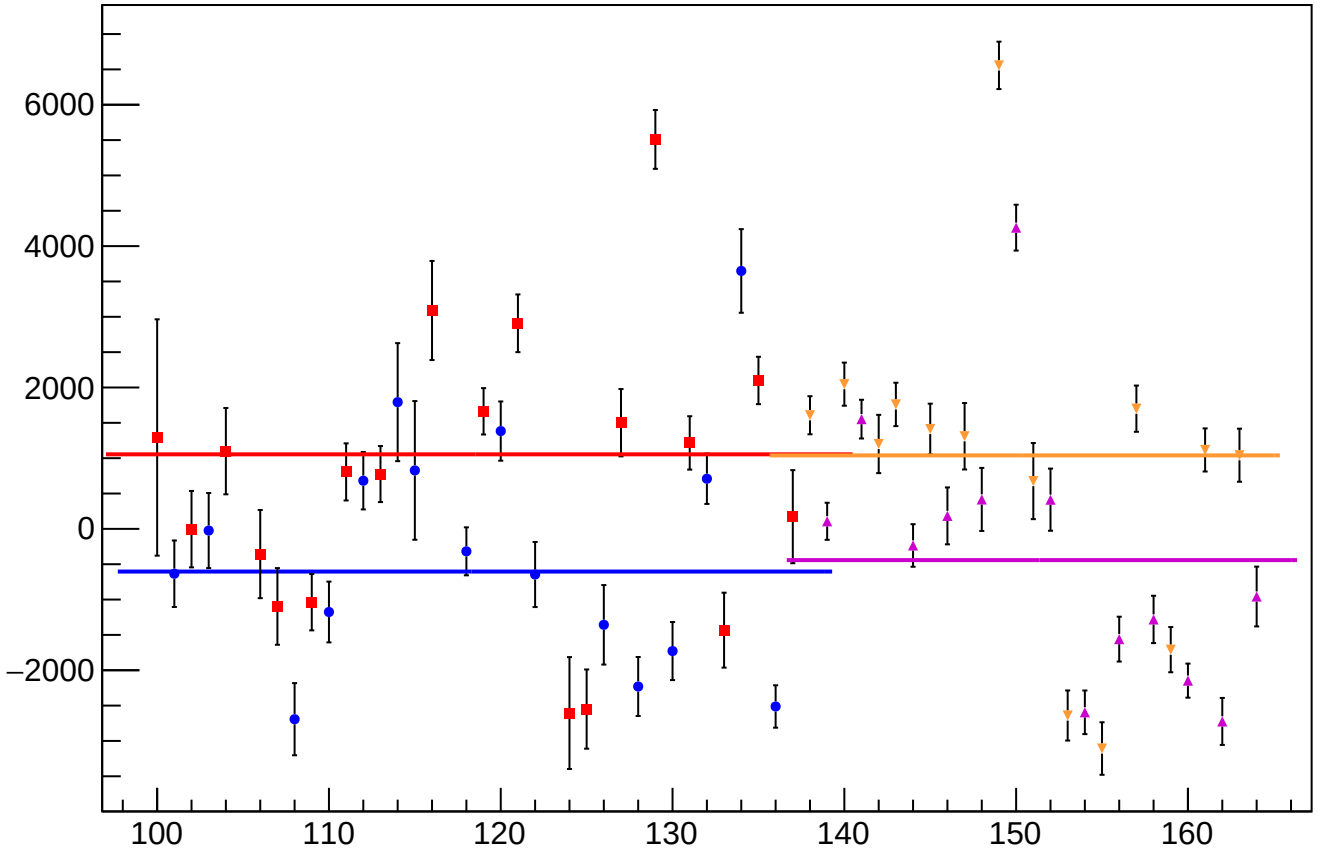
Left In: 191.368+/-0.043 χ^2/NDF:811421.5/12

+ sign 210.608+/-0.036 χ^2/NDF: 1797206.8/29

All: 199.228+/-0.024 χ^2/NDF: 4204011.5/61

- 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: 1039.461+/-92.108 χ^2/NDF:603.9/13

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

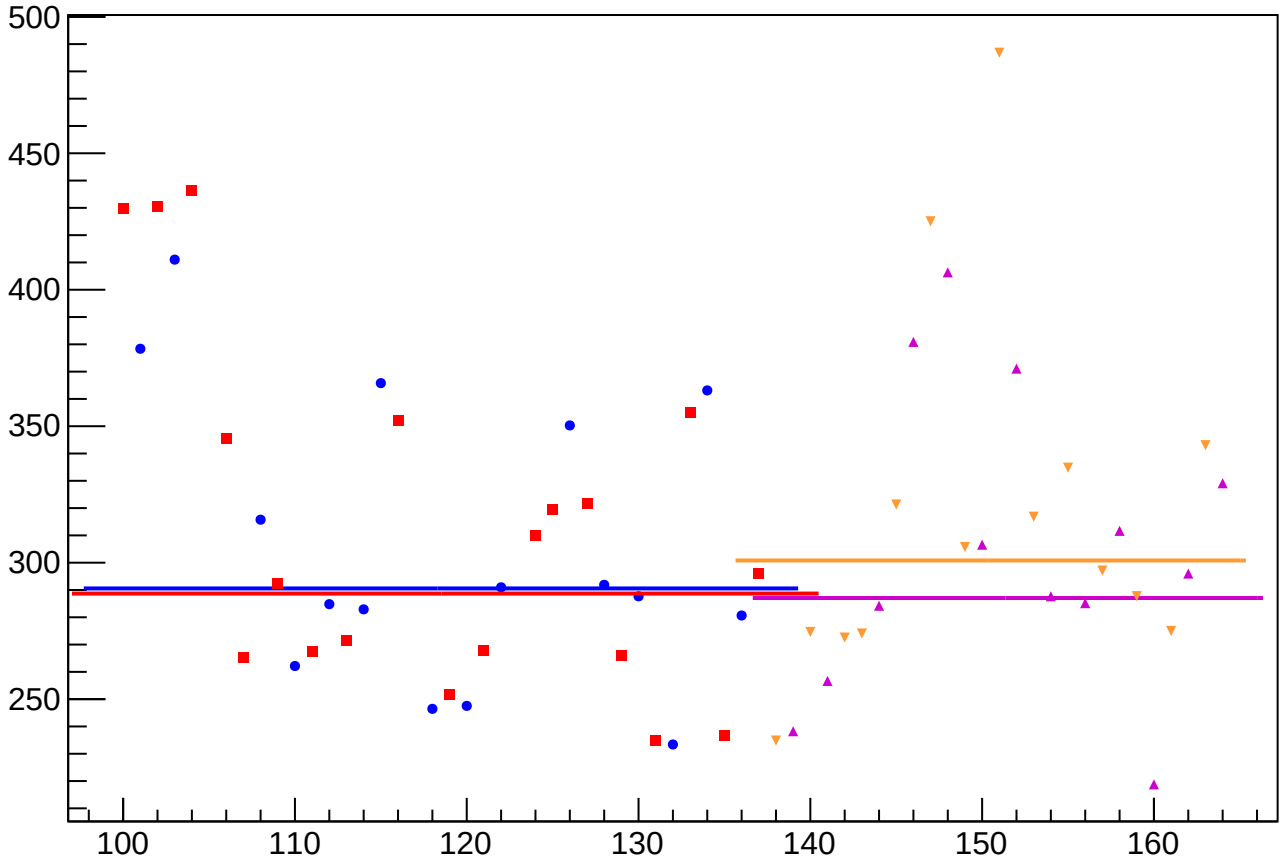
Left In: -441.972+/-89.087 χ^2/NDF:443.9/12

+ sign 367.142+/-70.802 χ^2/NDF: 927.7/29

All: 261.738+/-49.338 χ^2/NDF: 1787.5/61

- 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: 300.809+/-0.065 χ^2/NDF:609153.1/13

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

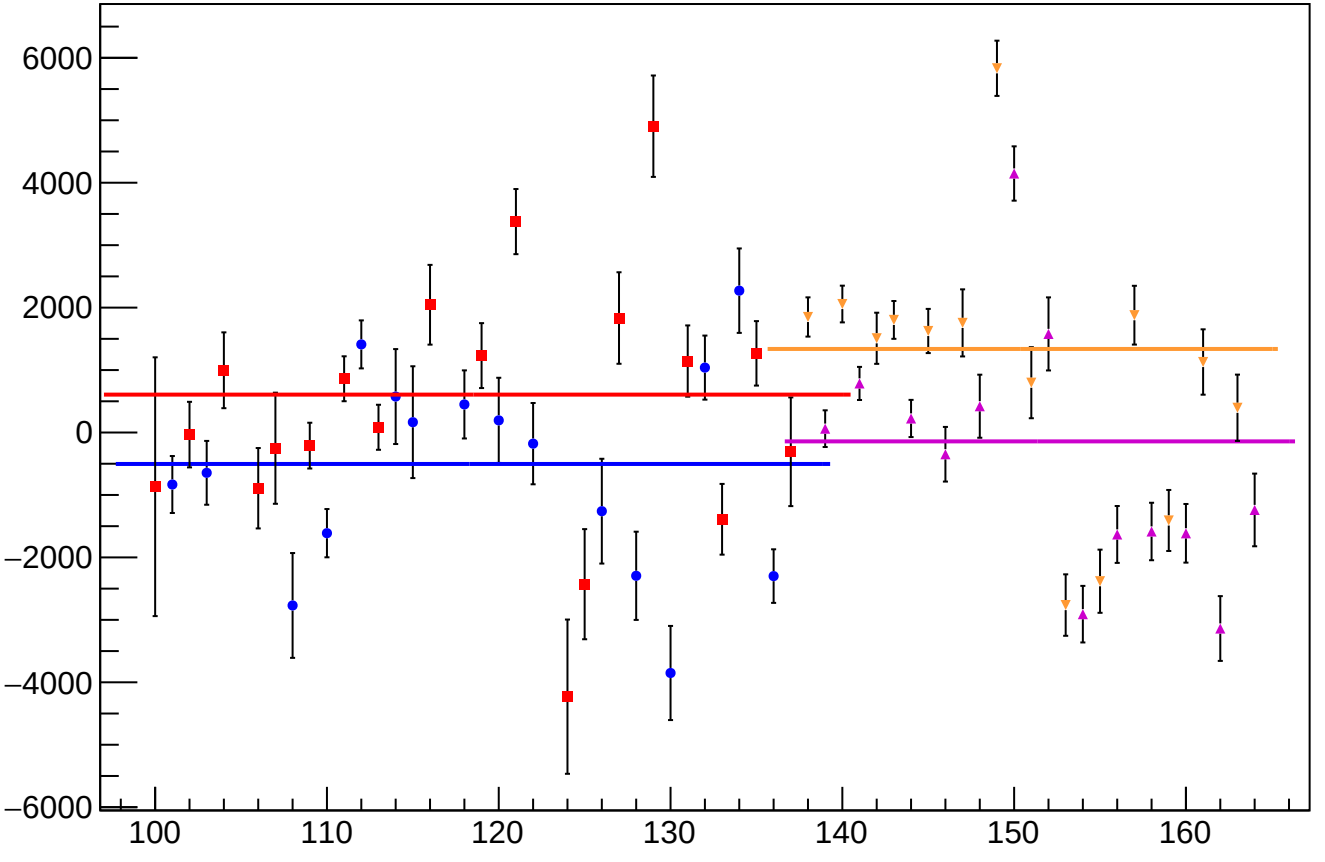
Left In: 287.055+/-0.063 χ^2/NDF:618884.5/12

+ sign 296.619+/-0.050 χ^2/NDF: 979079.3/29

All: 292.038+/-0.035 χ^2/NDF: 2103604.3/61

- 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: 1338.041+/-110.331 χ^2/NDF:276.4/13

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

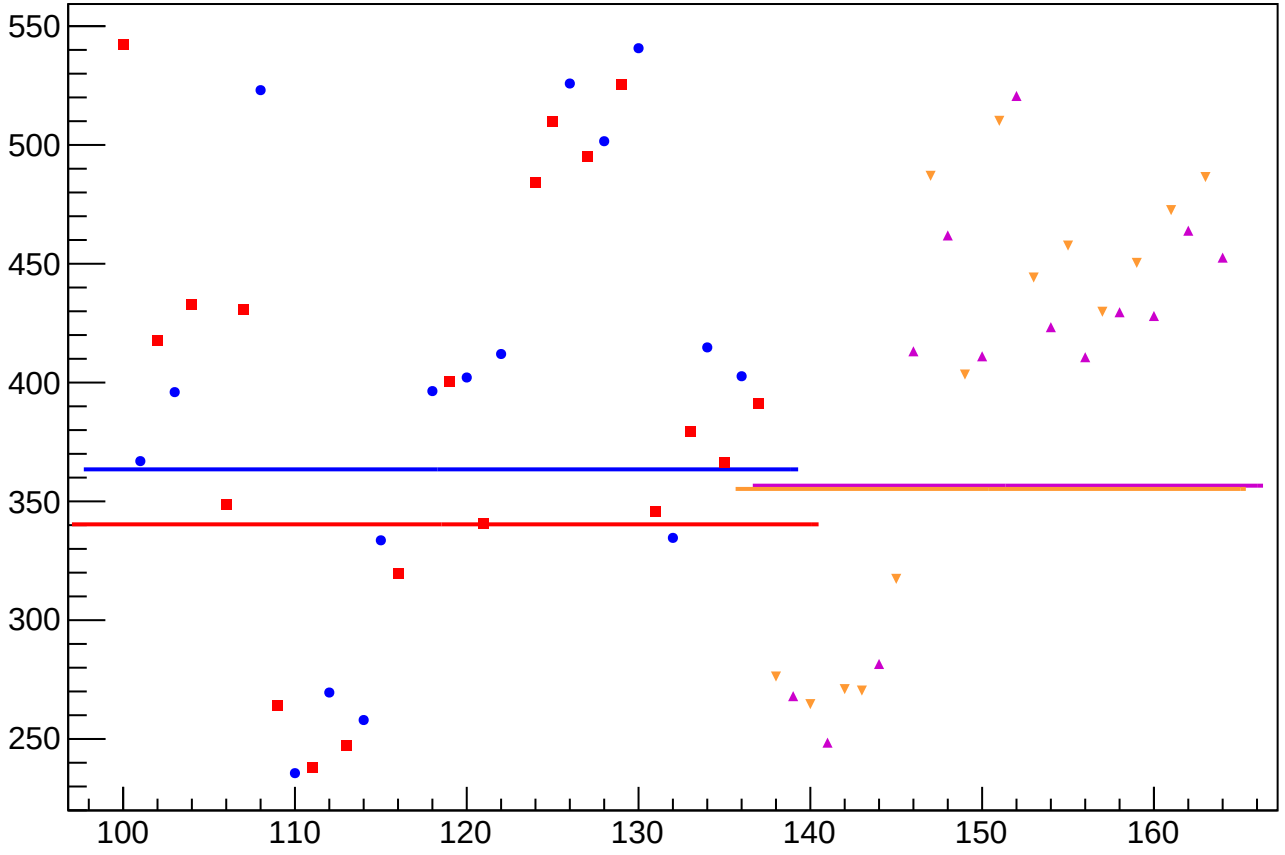
Left In: -142.059+/-111.754 χ^2/NDF:226.3/12

\+ sign 632.799+/-86.669 χ^2/NDF: 501.3/29

All: 399.649+/-60.553 χ^2/NDF: 886.0/61

\- 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: 355.240+/-0.078 χ^2/NDF:1368929.6/13

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

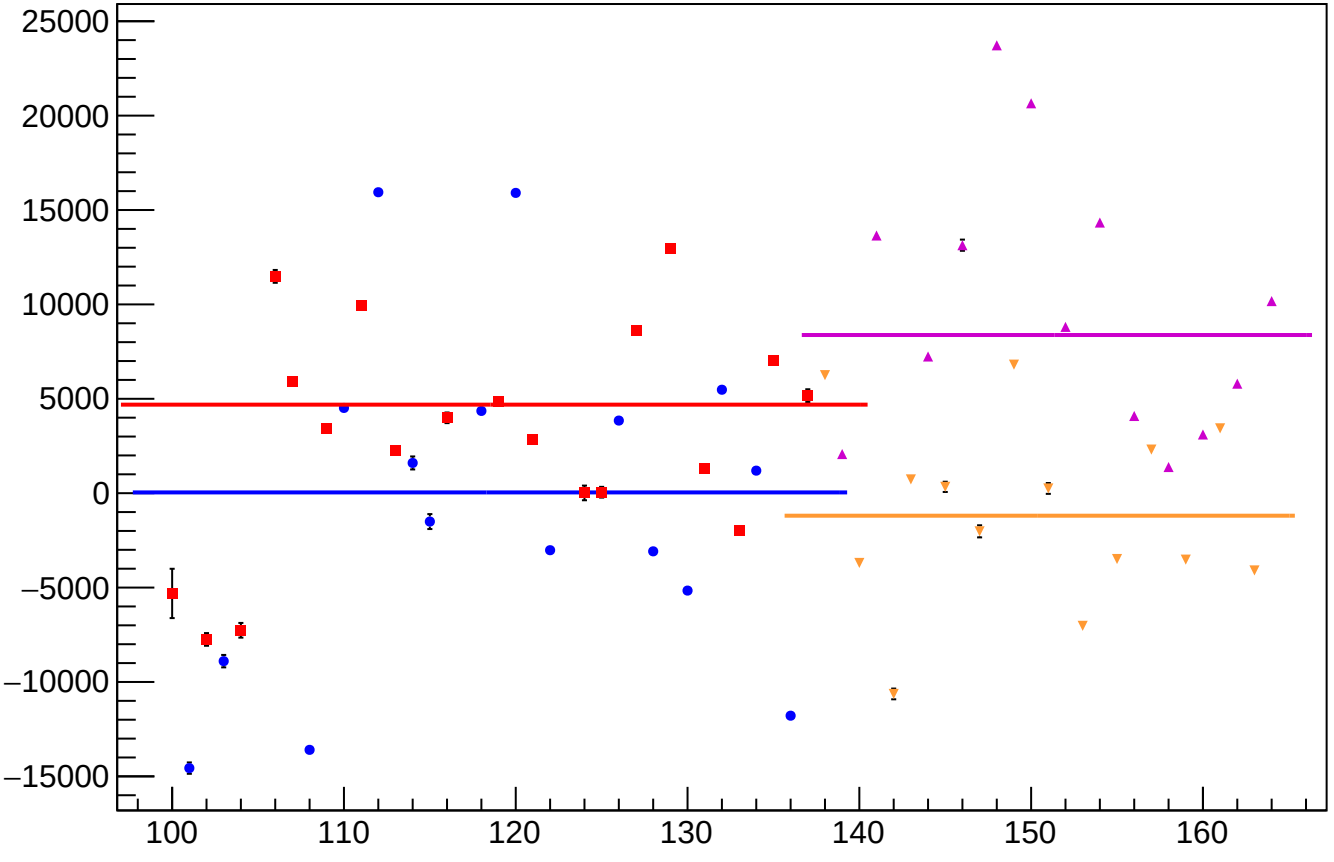
Left In: 356.609+/-0.079 χ^2/NDF:1258876.4/12

+ sign 358.392+/-0.061 χ^2/NDF: 2154084.8/29

All: 353.927+/-0.043 χ^2/NDF: 4297656.2/61

- 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: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

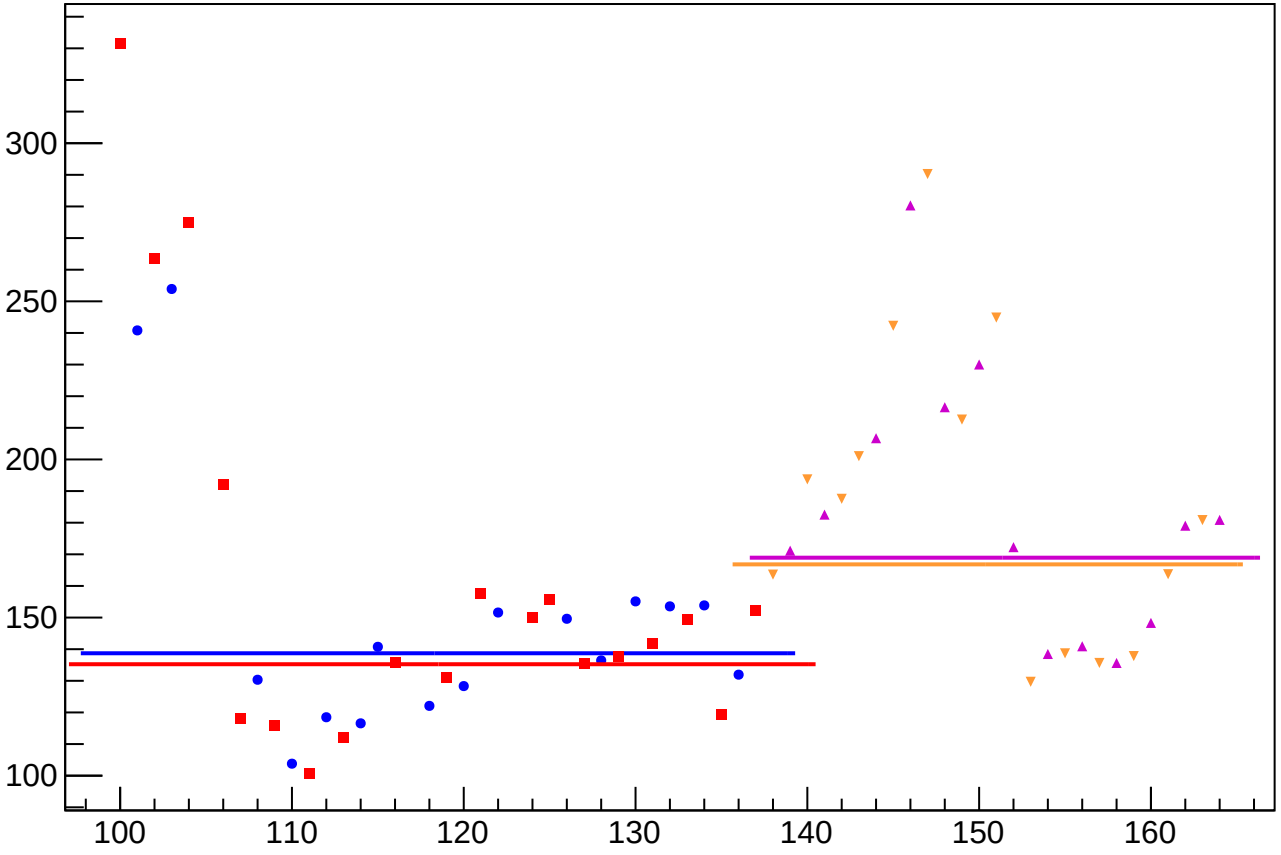
Left In: 8378.659+/-53.222 χ^2/NDF:14443.2/12

+ sign -603.235+/-37.462 χ^2/NDF: 38727.0/29

All: 2967.890+/-26.407 χ^2/NDF: 81480.8/61

- 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: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

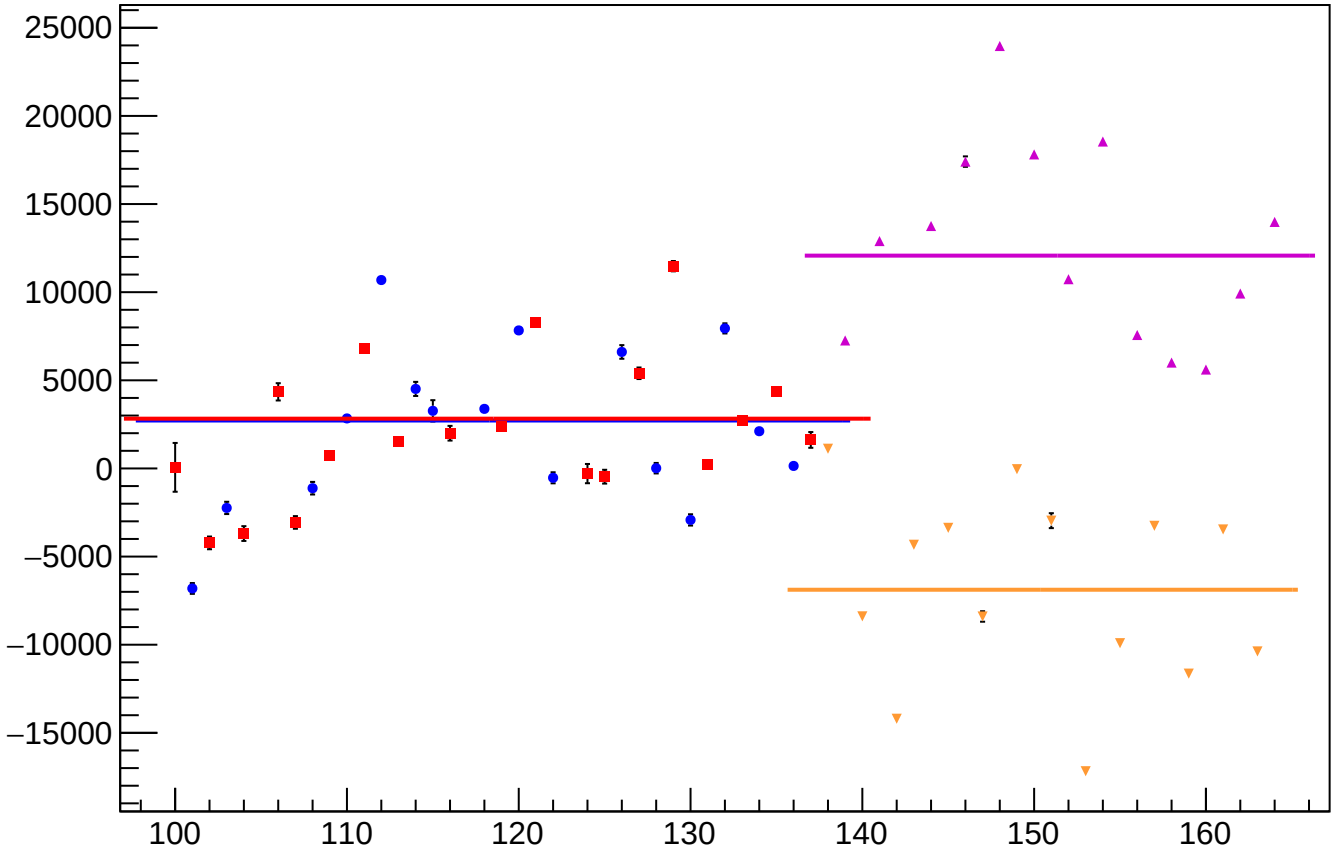
Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

+ sign 153.392+/-0.026 χ^2/NDF: 2075713.3/29

All: 152.555+/-0.019 χ^2/NDF: 4222703.6/61

- 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: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

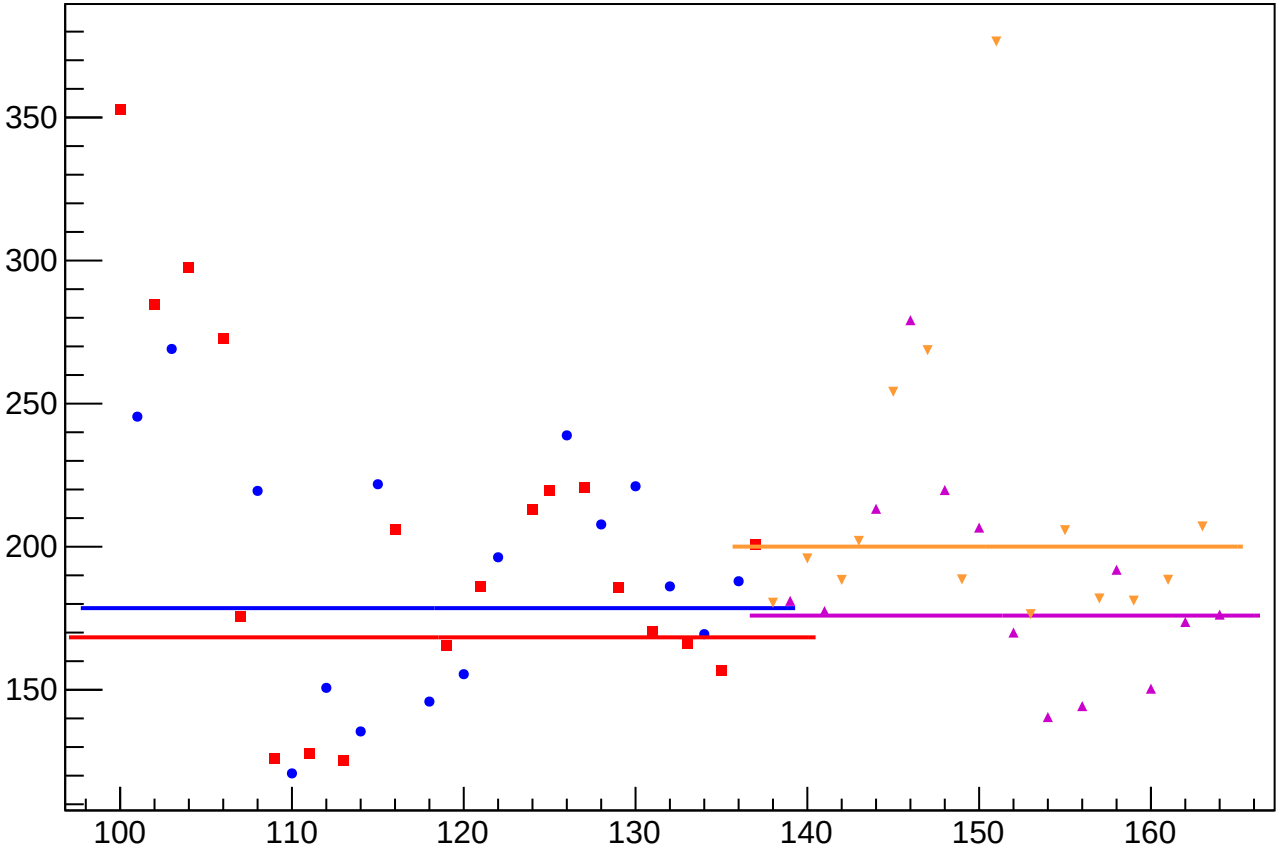
Left In: 12073.705+/-55.284 χ^2/NDF:9199.7/12

+ sign -2644.947+/-45.998 χ^2/NDF: 22732.5/29

All: 3249.565+/-31.045 χ^2/NDF: 76936.4/61

- 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: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

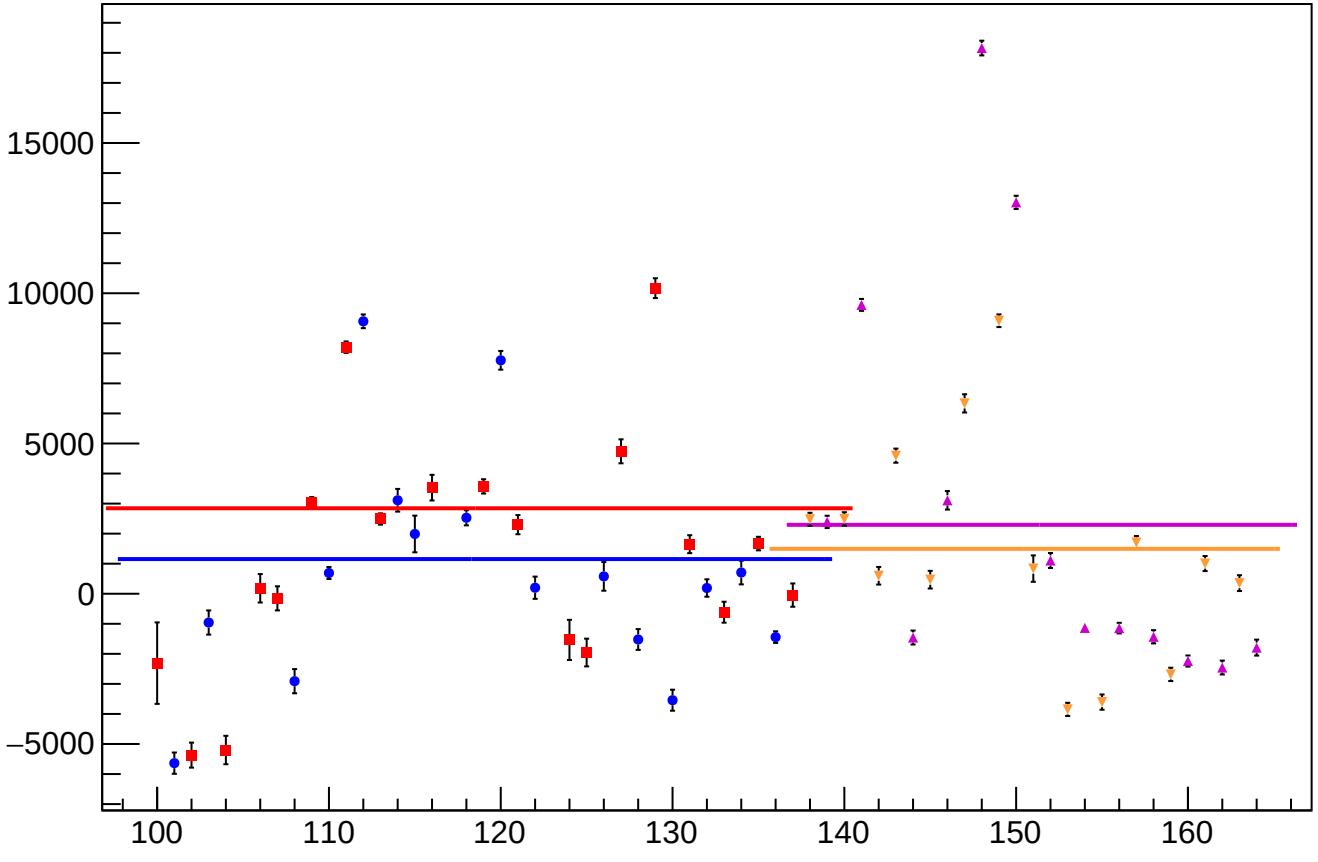
Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

+ sign 190.551+/-0.033 χ^2/NDF: 1407521.8/29

All: 180.851+/-0.022 χ^2/NDF: 3213978.1/61

- 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: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

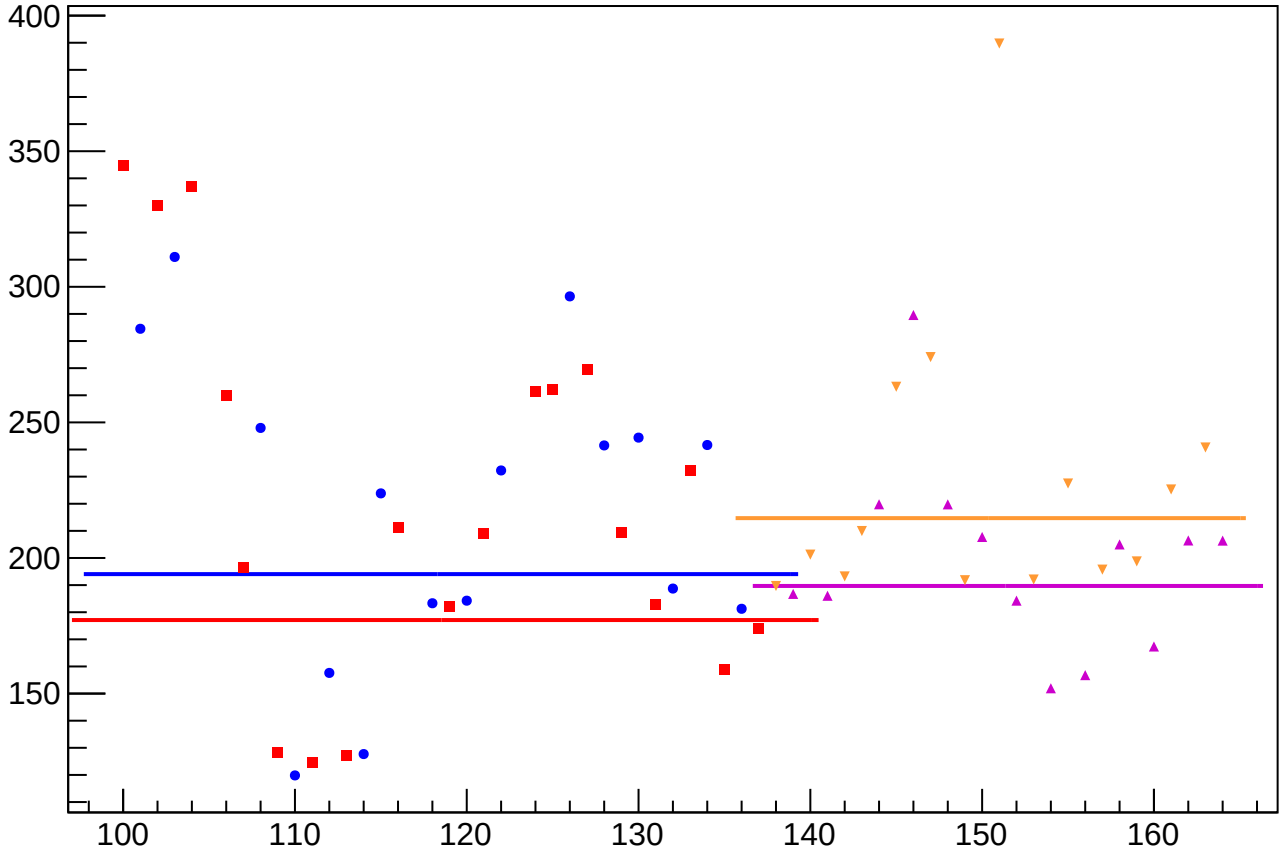
Left In: 2293.328+/-59.458 χ^2/NDF:10555.0/12

+ sign 1348.247+/-49.828 χ^2/NDF: 5823.5/29

All: 1996.658+/-33.429 χ^2/NDF: 19176.0/61

- 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: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

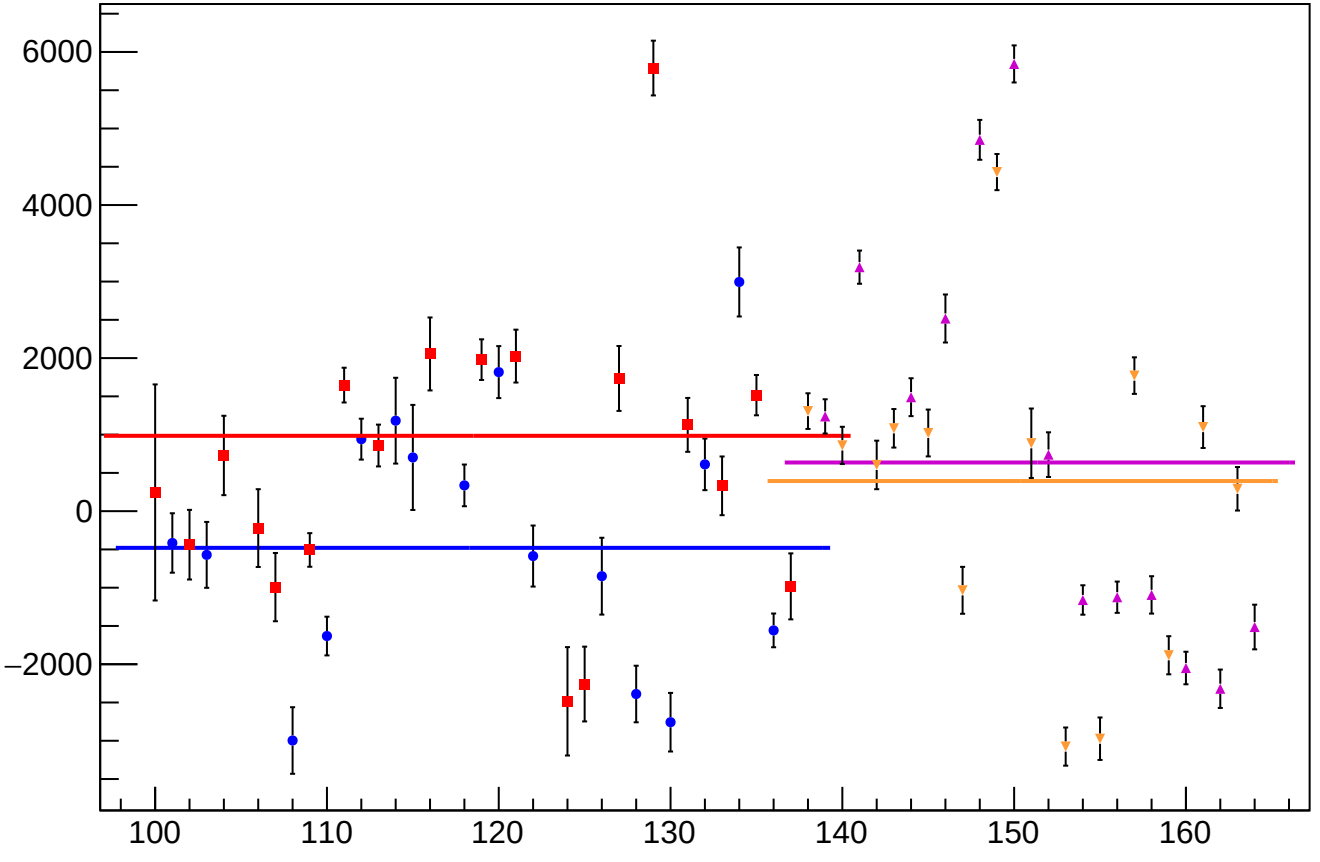
Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

+ sign 205.812+/-0.035 χ^2/NDF: 1642526.5/29

All: 194.006+/-0.024 χ^2/NDF: 3765005.6/61

- 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: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

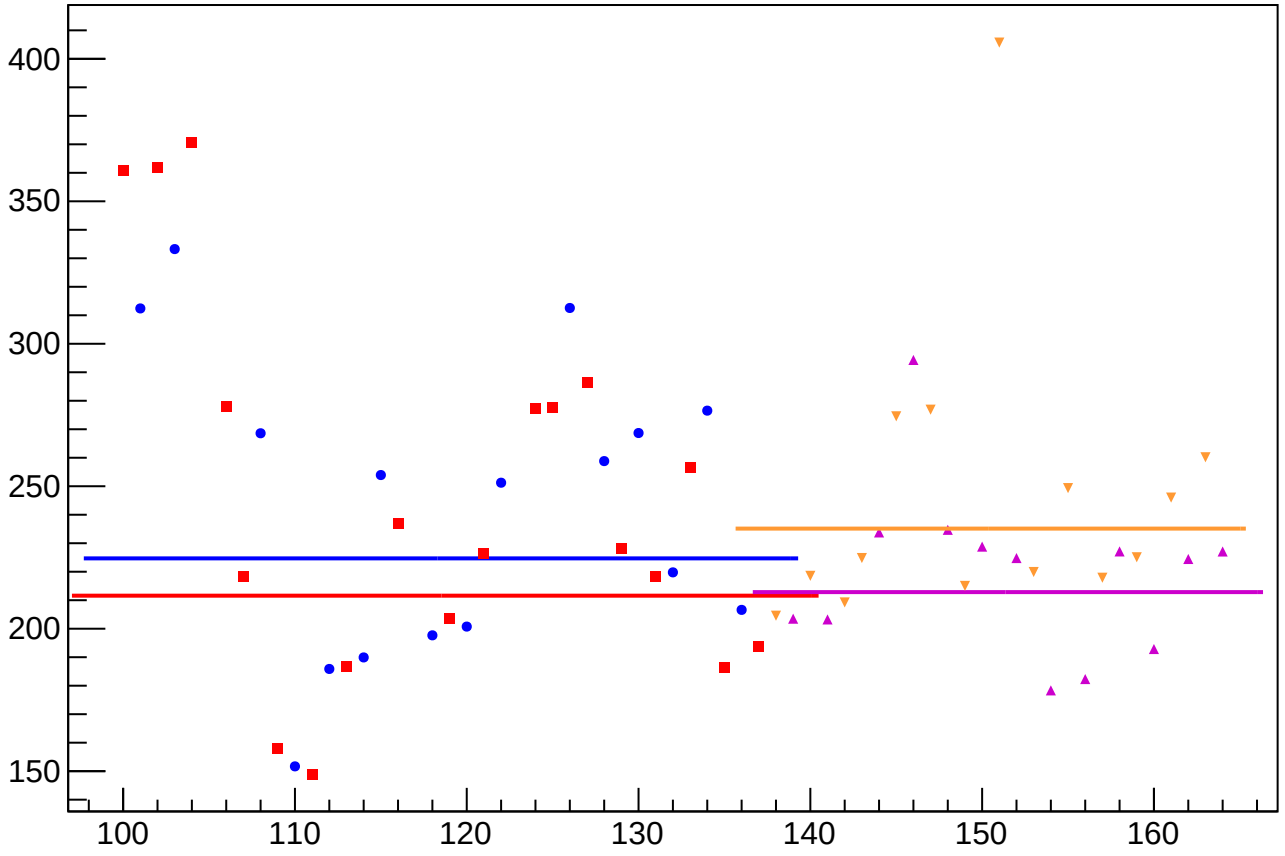
Left In: 635.935+/-66.118 χ^2/NDF:1481.9/12

+ sign 38.116+/-55.323 χ^2/NDF: 1176.5/29

All: 435.218+/-37.579 χ^2/NDF: 3163.3/61

- 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: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

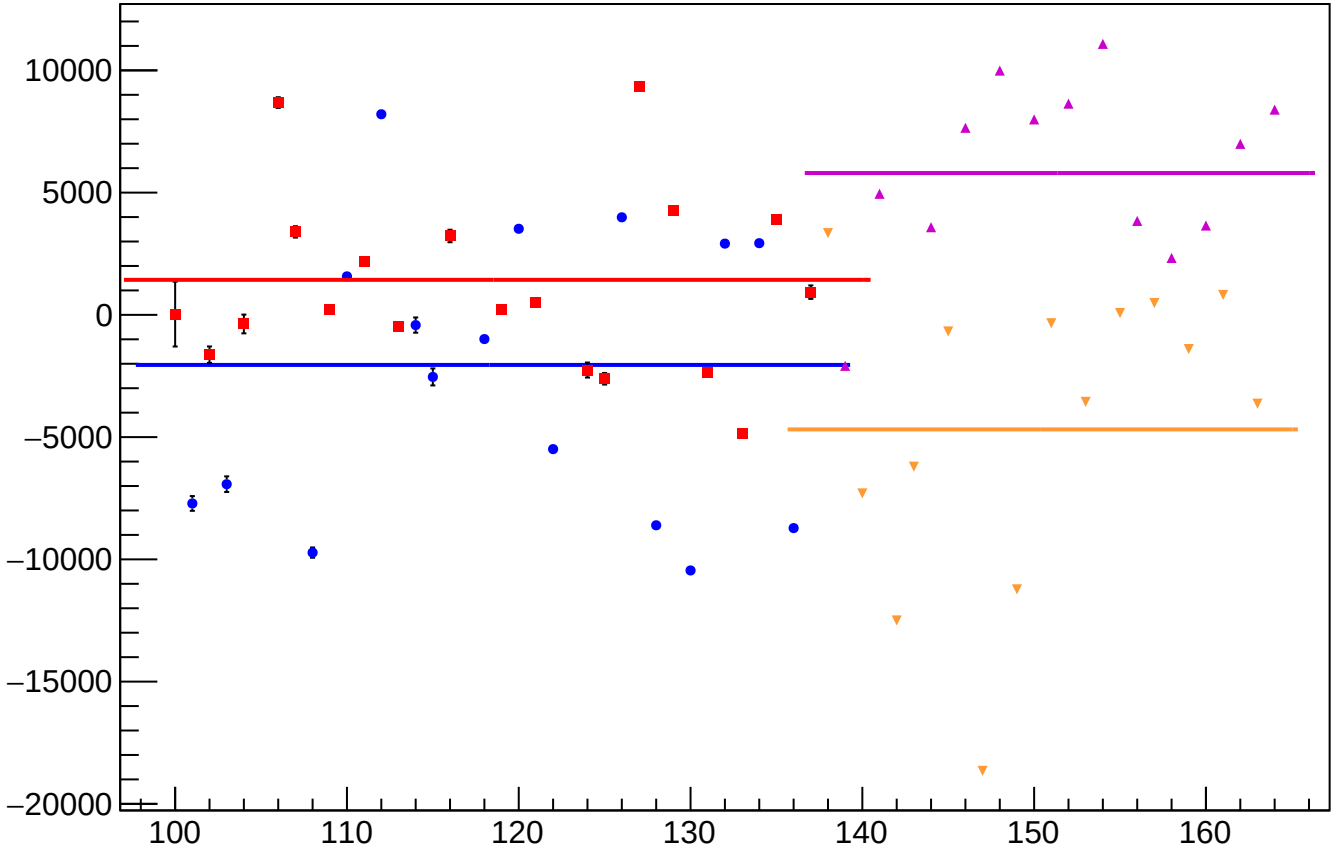
Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

+ sign 230.877+/-0.039 χ^2/NDF: 1143240.3/29

All: 220.896+/-0.027 χ^2/NDF: 2522485.2/61

- 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: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

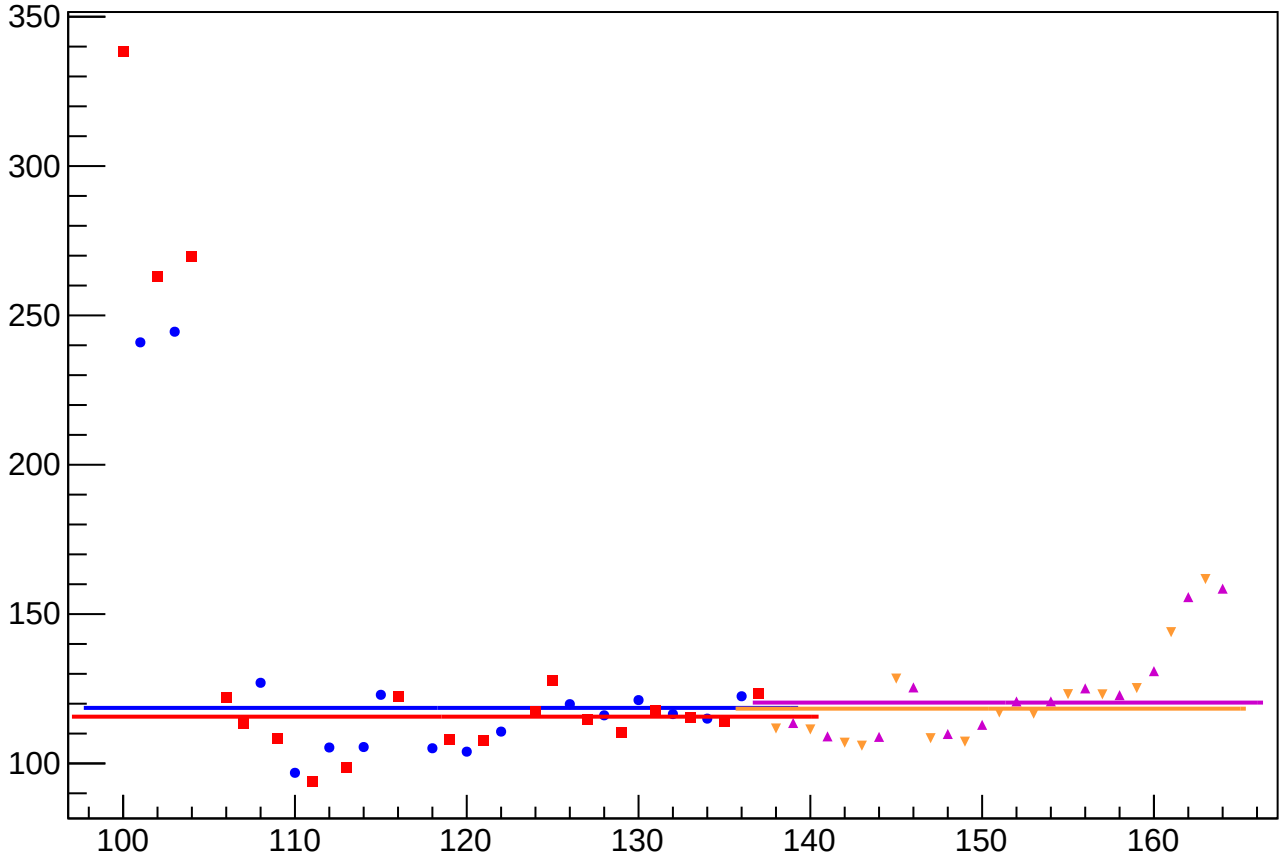
Left In: 5801.144+/-36.961 χ^2/NDF:9436.1/12

+ sign -3702.993+/-28.511 χ^2/NDF: 48404.7/29

All: 165.351+/-20.153 χ^2/NDF: 106691.0/61

- 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: 118.339+/-0.025 χ^2/NDF:265739.8/13

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

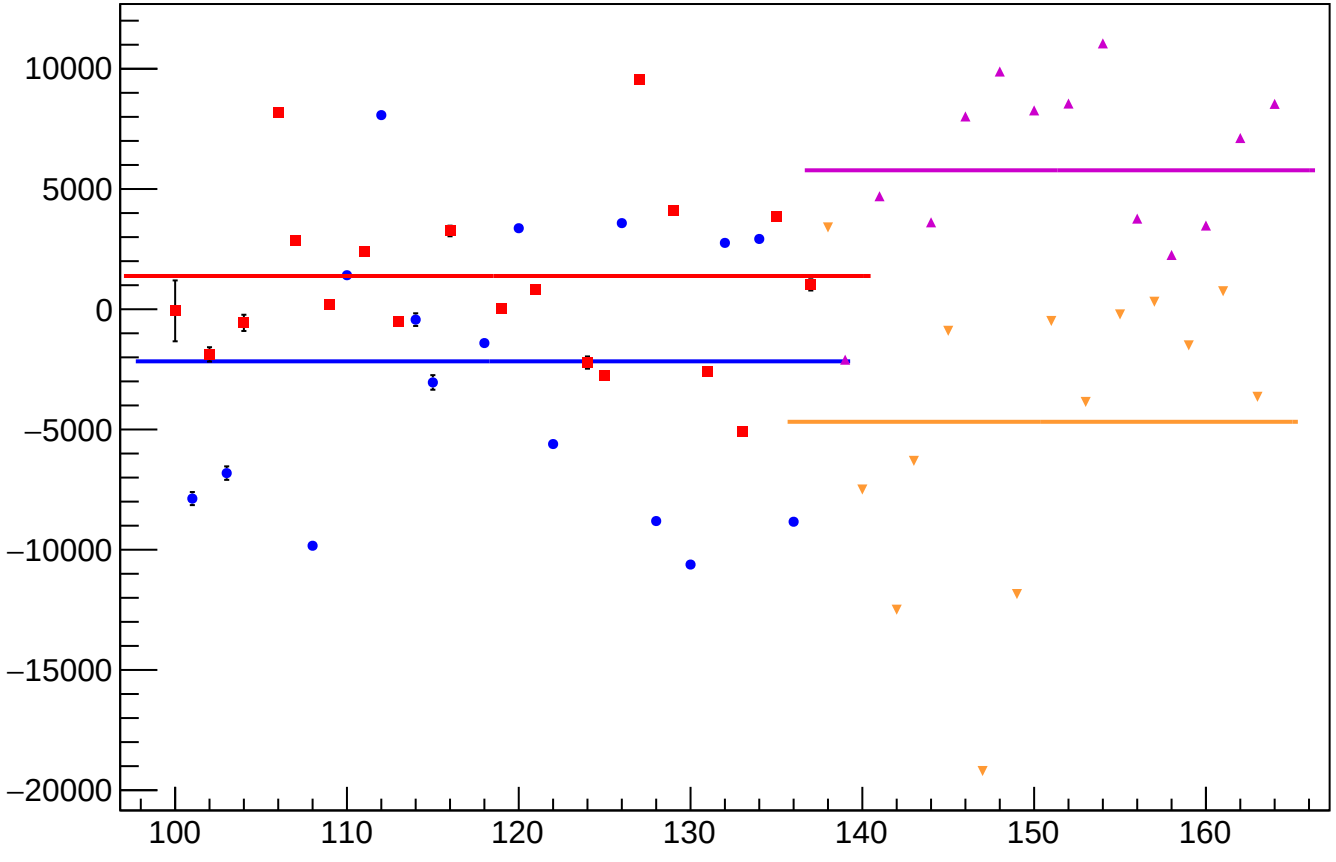
Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

\+ sign 118.434+/-0.020 χ^2/NDF: 999936.5/29

All: 118.447+/-0.014 χ^2/NDF: 2112313.3/61

\- sign 118.460+/-0.020 χ^2/NDF: 1112375.9/31

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4680.079+/-32.408 χ^2/NDF:36117.7/13

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

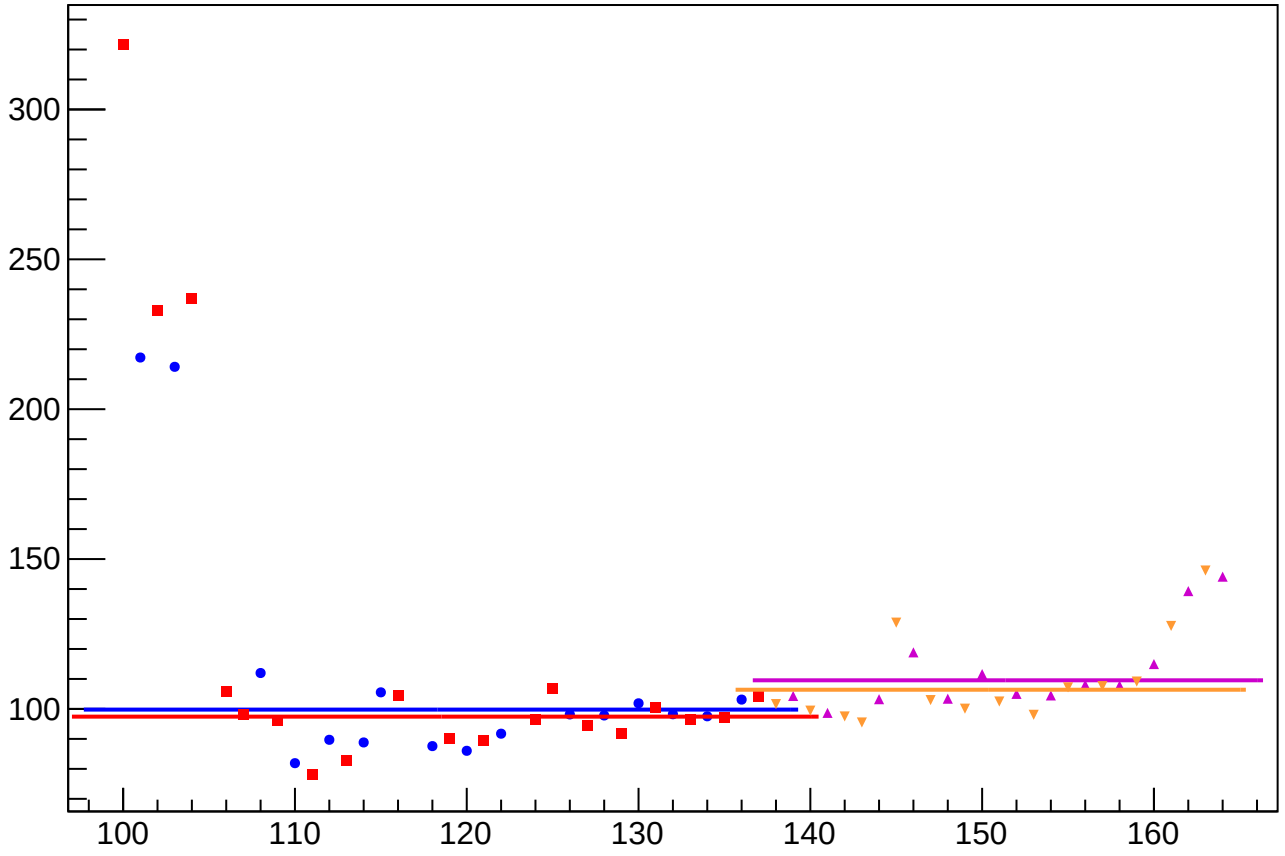
Left In: 5778.460+/-33.645 χ^2/NDF:11688.9/12

+ sign -3672.598+/-25.088 χ^2/NDF: 61404.3/29

All: 72.260+/-17.773 χ^2/NDF: 134479.3/61

- 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: 106.402+/-0.023 χ^2/NDF:279055.7/13

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

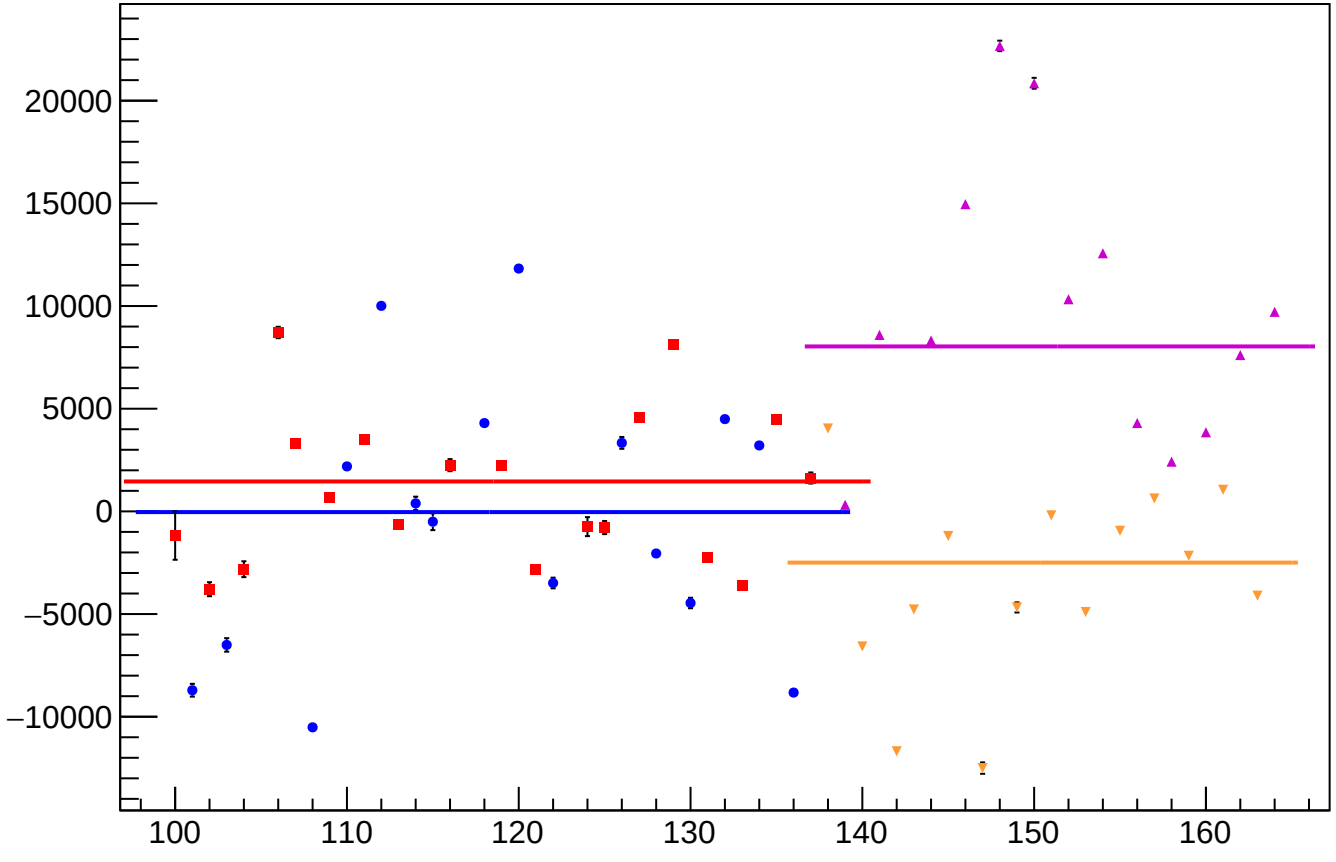
Left In: 109.549+/-0.024 χ^2/NDF:202328.8/12

+ sign 103.746+/-0.018 χ^2/NDF: 1121725.0/29

All: 103.982+/-0.013 χ^2/NDF: 2364617.2/61

- 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: -2494.160+/-46.783 χ^2/NDF:6981.4/13

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

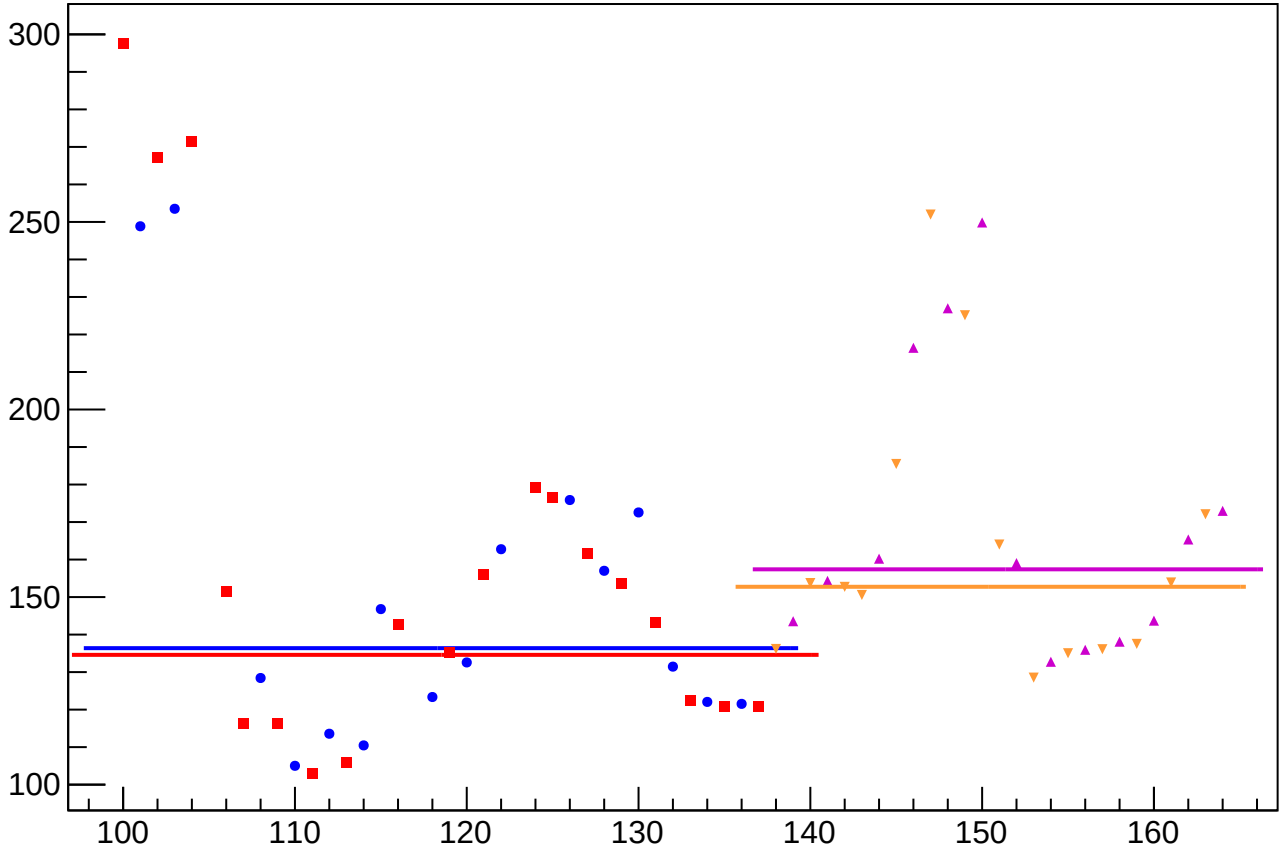
Left In: 8032.276+/-48.886 χ^2/NDF:12904.7/12

+ sign -1427.629+/-35.208 χ^2/NDF: 24982.7/29

All: 1722.746+/-25.033 χ^2/NDF: 66695.2/61

- 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: 152.745+/-0.033 χ^2/NDF:659708.7/13

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

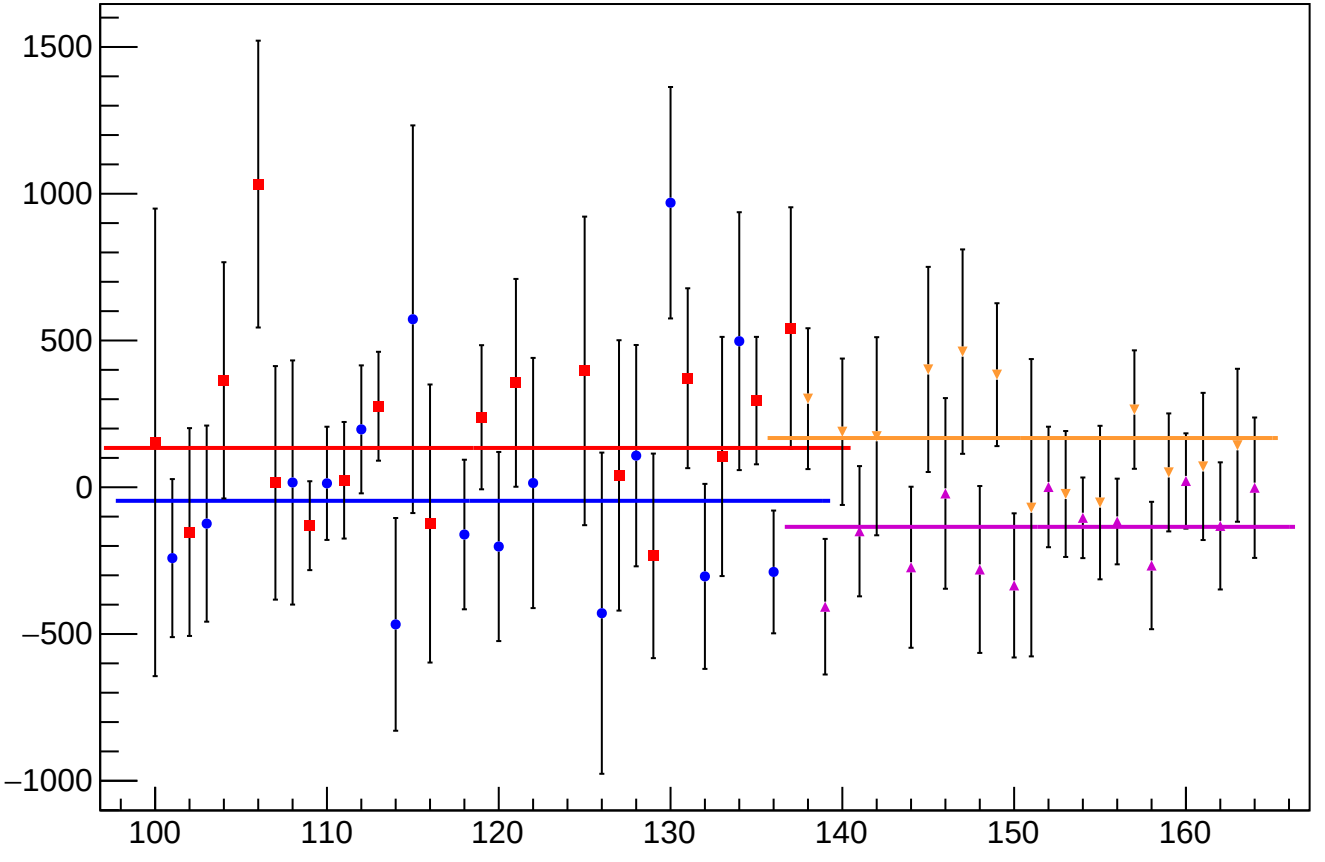
Left In: 157.397+/-0.035 χ^2/NDF:706032.7/12

+ sign 145.650+/-0.025 χ^2/NDF: 1562639.2/29

All: 146.163+/-0.018 χ^2/NDF: 3393439.7/61

- 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: 167.746+/-71.477 χ^2/NDF:4.7/12

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

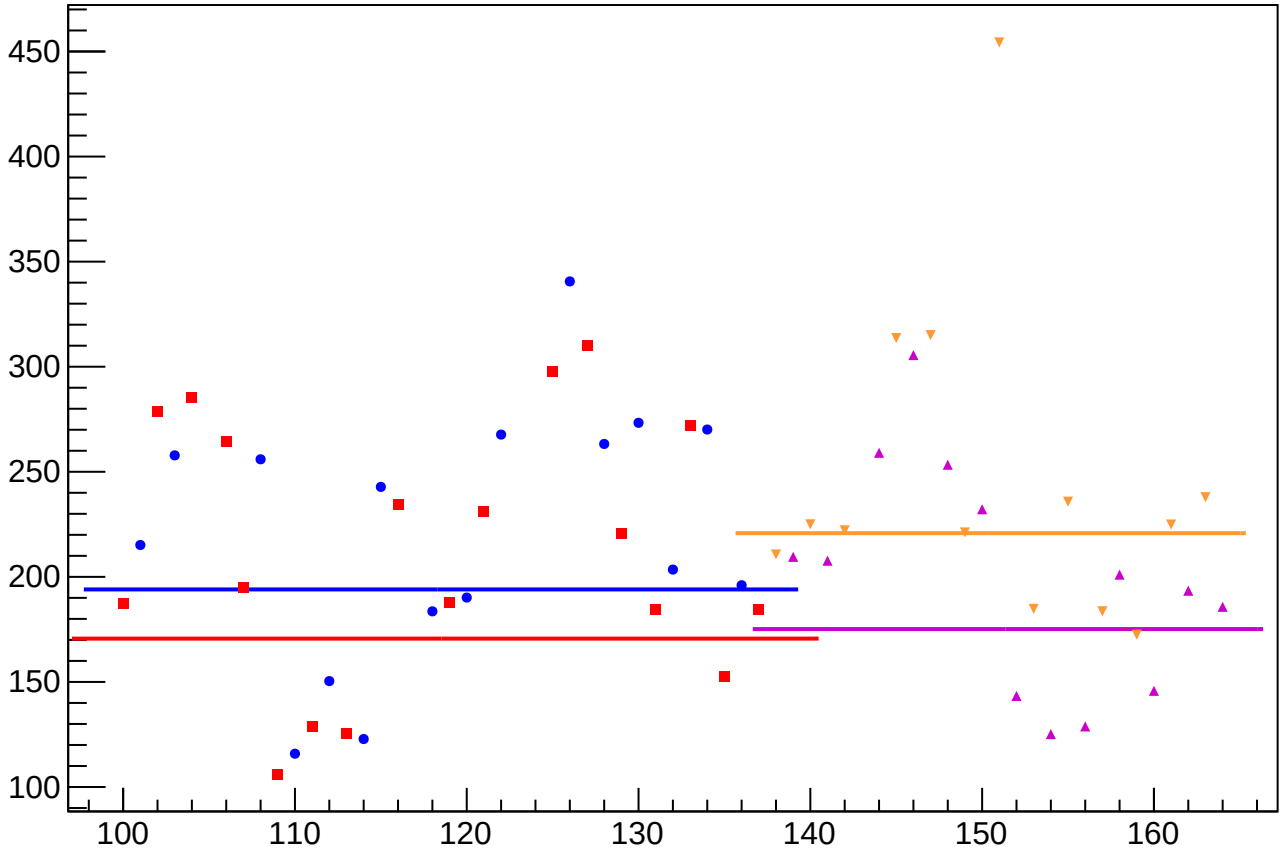
Left In: -134.889+/-56.573 χ^2/NDF:4.8/12

+ sign 67.724+/-52.158 χ^2/NDF: 24.4/28

All: 12.710+/-33.451 χ^2/NDF: 53.0/59

- 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: 220.795+/-0.051 χ^2/NDF:972498.0/12

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

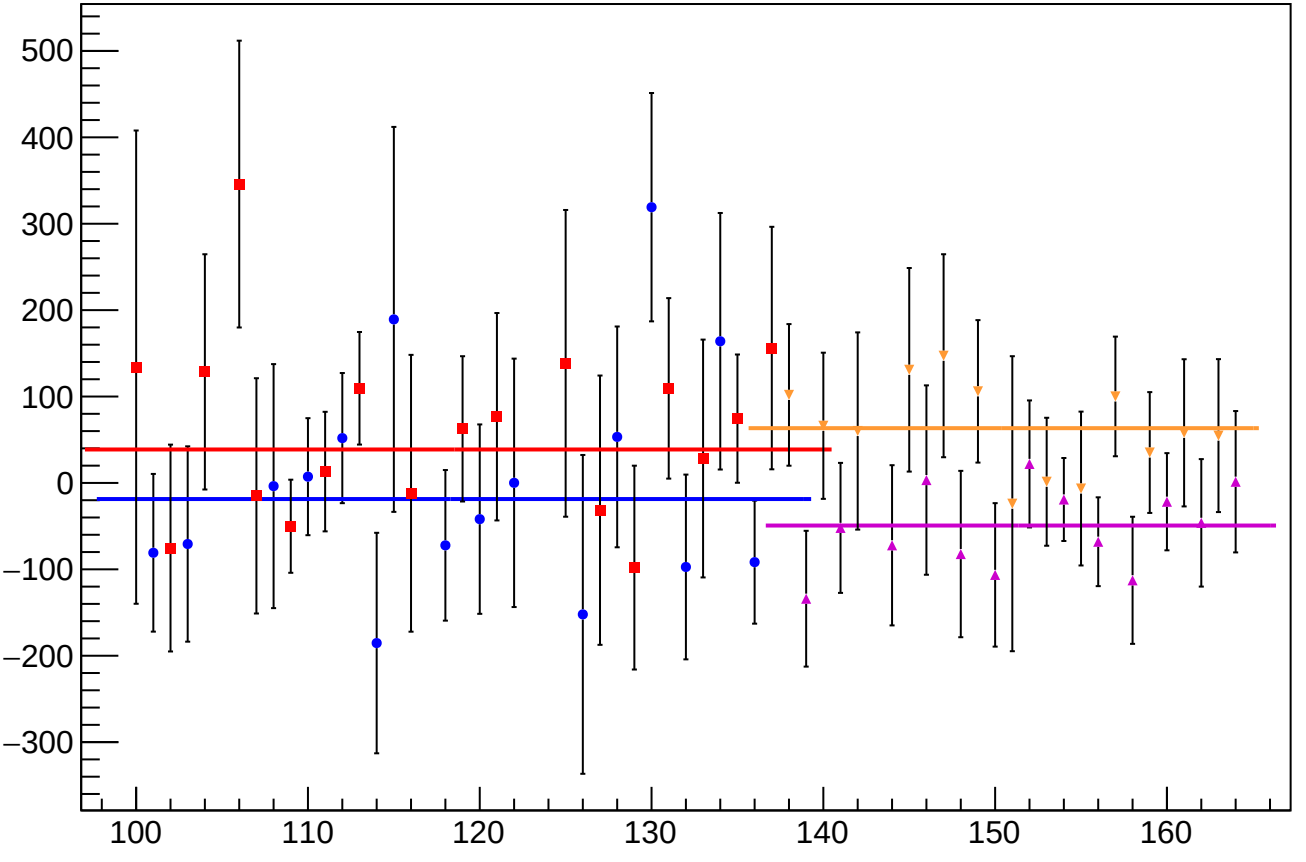
Left In: 175.156+/-0.040 χ^2/NDF:1482254.2/12

+ sign 208.276+/-0.037 χ^2/NDF: 2147316.4/28

All: 187.695+/-0.024 χ^2/NDF: 5757472.5/59

- 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: 63.389+/-24.409 χ^2/NDF:3.4/12

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

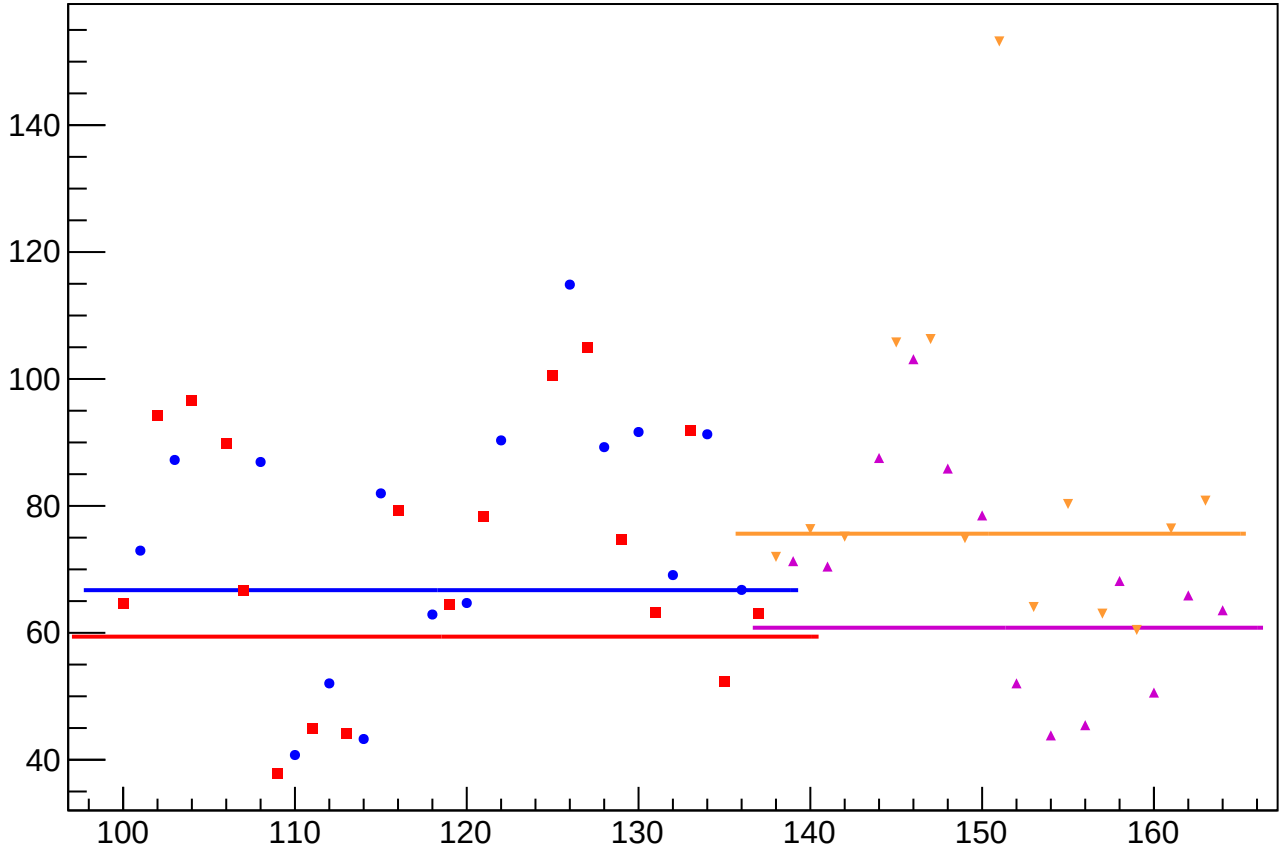
Left In: -49.307+/-19.528 χ^2/NDF:4.9/12

+ sign 25.151+/-17.835 χ^2/NDF: 23.8/28

All: 2.513+/-11.506 χ^2/NDF: 52.3/59

- 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: 75.622+/-0.017 χ^2/NDF:905889.9/12

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

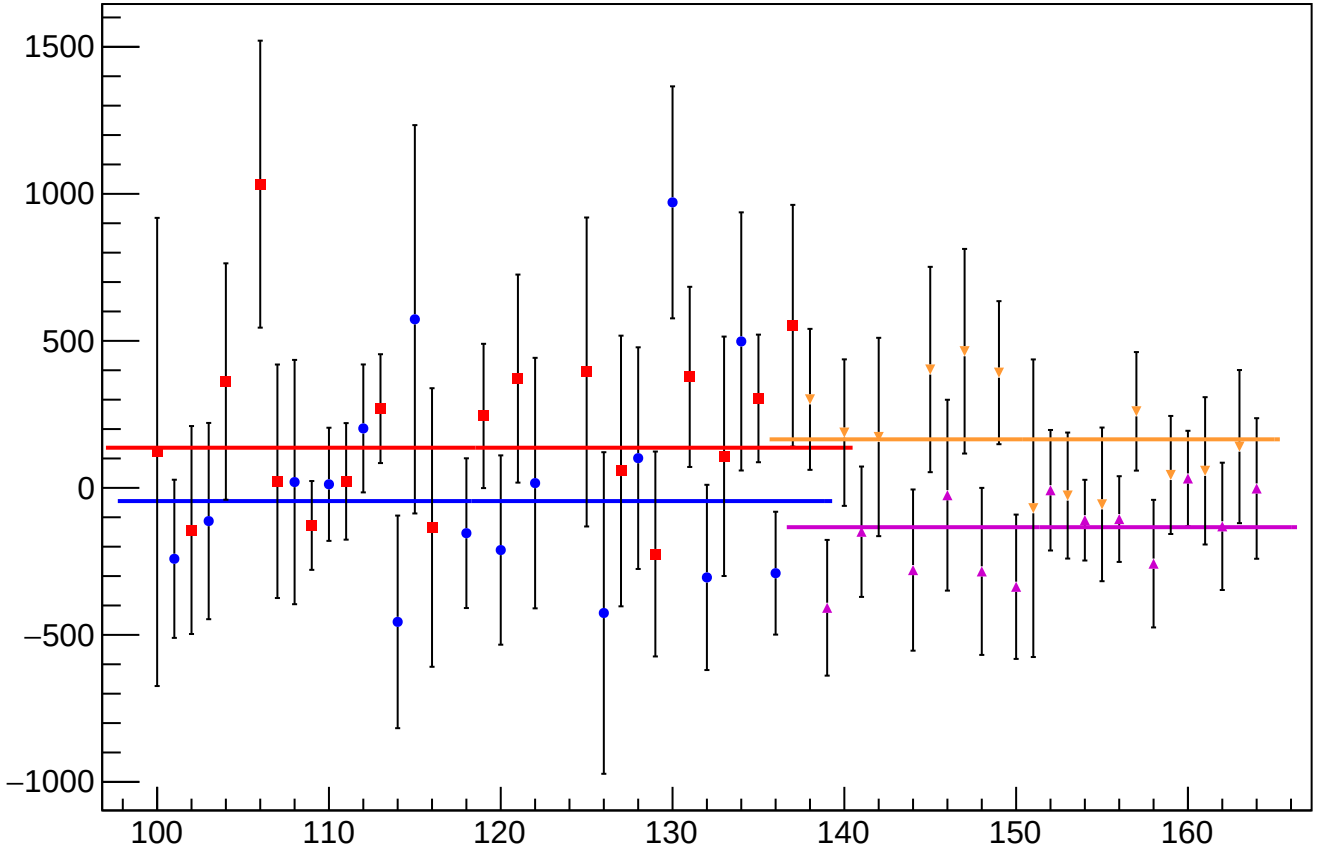
Left In: 60.806+/-0.014 χ^2/NDF:1313881.6/12

+ sign 71.475+/-0.013 χ^2/NDF: 1976821.5/28

All: 64.914+/-0.008 χ^2/NDF: 5203903.5/59

- 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: 165.106+/-71.417 χ^2/NDF:4.9/12

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

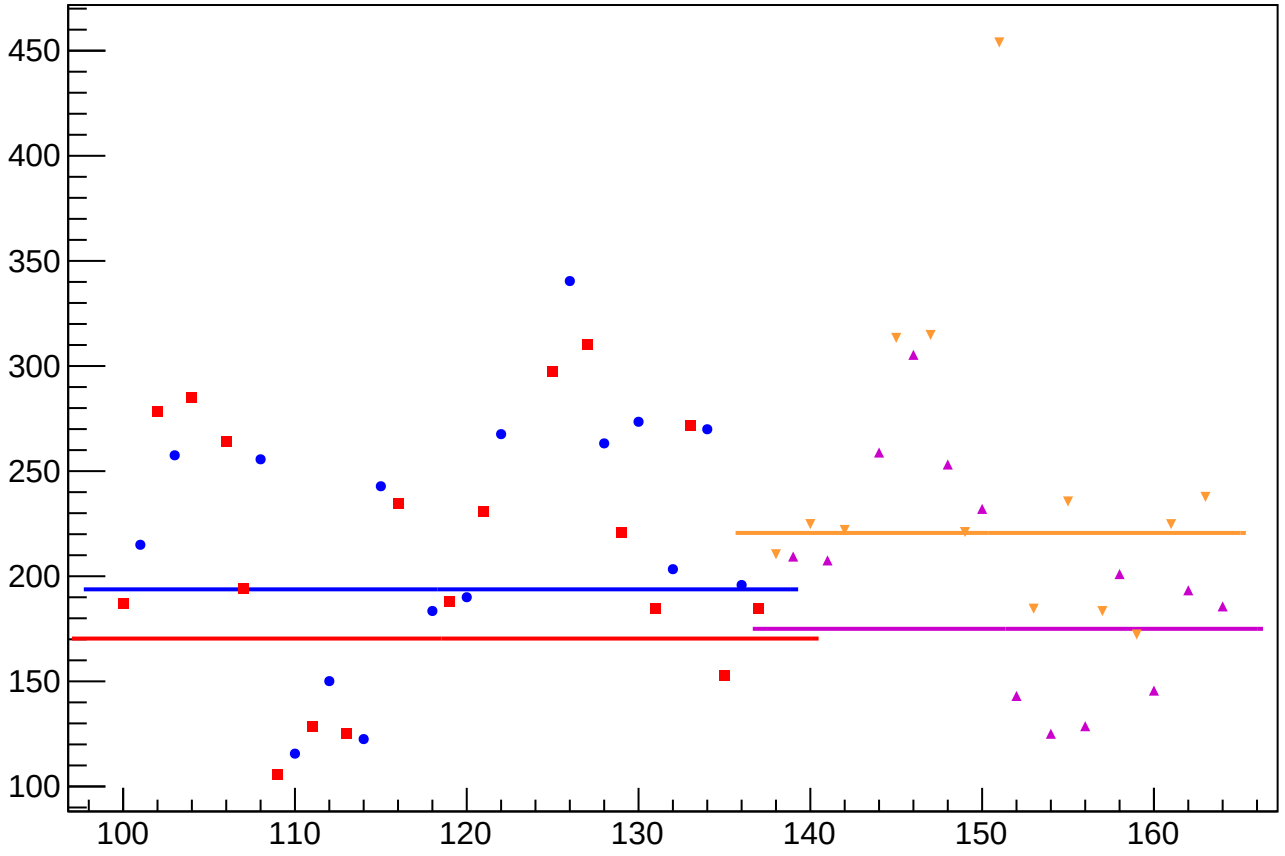
Left In: -133.698+/-56.524 χ^2/NDF:4.9/12

+ sign 66.890+/-52.108 χ^2/NDF: 24.4/28

All: 13.453+/-33.417 χ^2/NDF: 53.2/59

- 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: 220.601+/-0.050 χ^2/NDF:973242.3/12

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

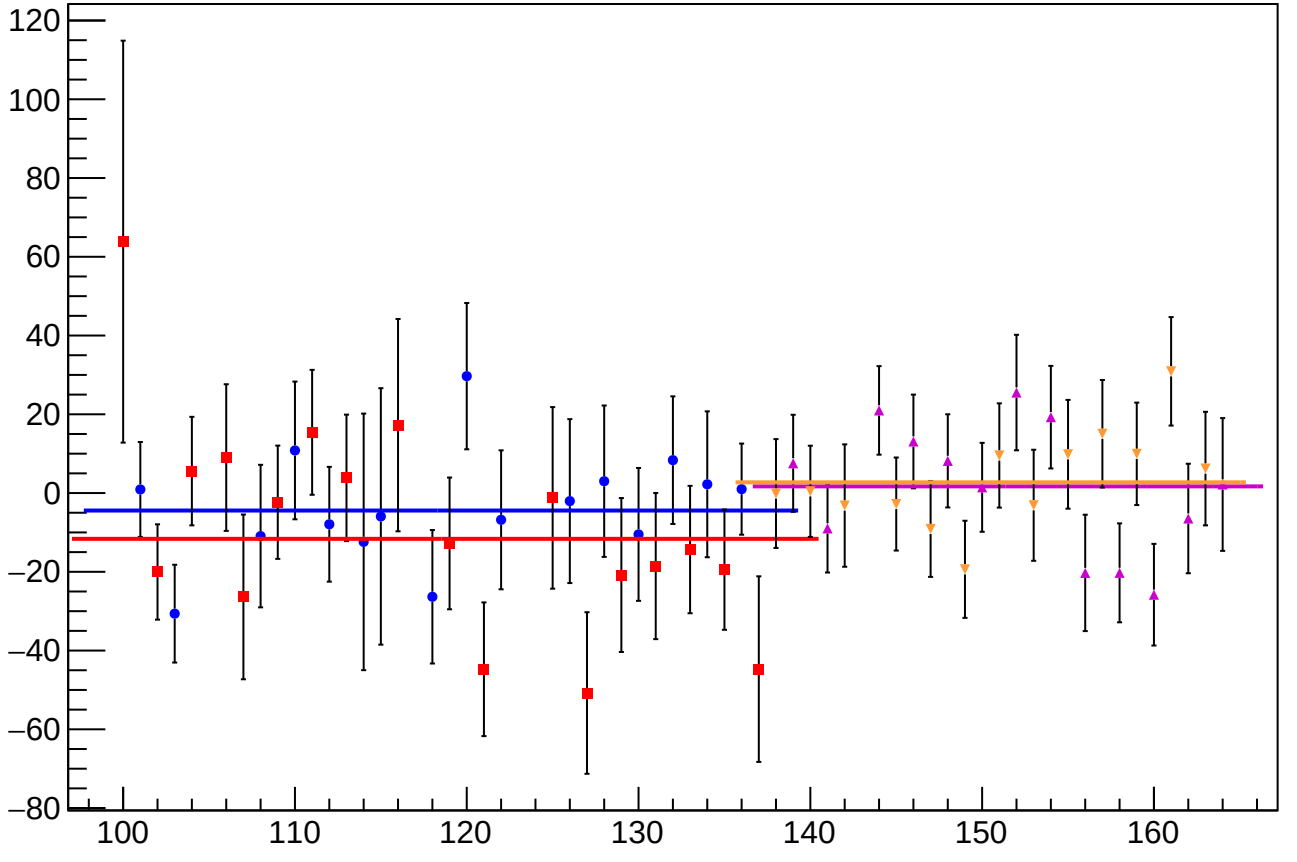
Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

+ sign 208.053+/-0.037 χ^2/NDF: 2153374.2/28

All: 187.480+/-0.024 χ^2/NDF: 5771792.2/59

- 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: 2.727+/-3.660 χ^2/NDF:10.7/12

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

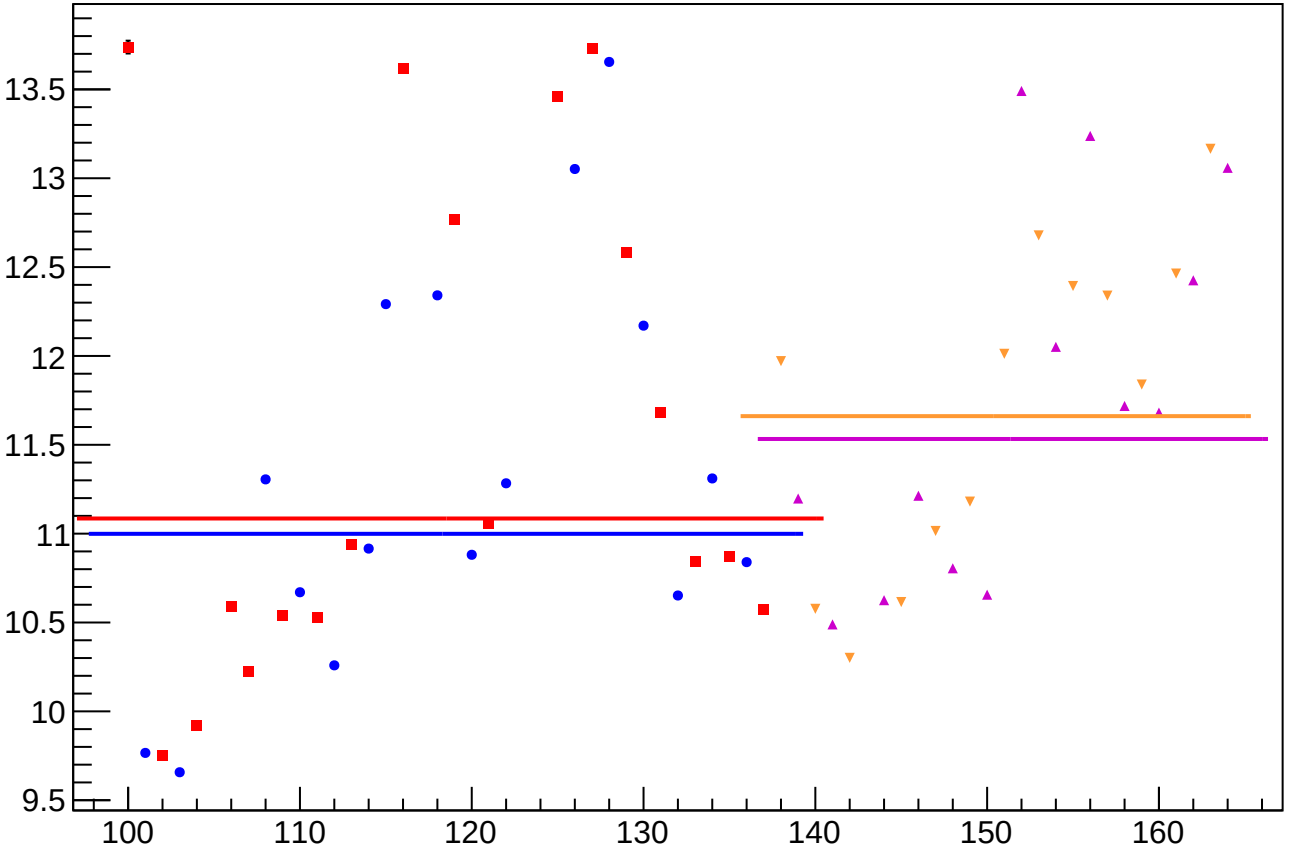
Left In: 1.694+/-3.521 χ^2/NDF:19.9/12

+ sign -0.424+/-2.739 χ^2/NDF: 24.3/28

All: -2.200+/-1.916 χ^2/NDF: 72.7/59

- sign -3.902+/-2.681 χ^2/NDF: 47.6/30

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.661+/-0.003 χ^2/NDF:109544.5/12

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

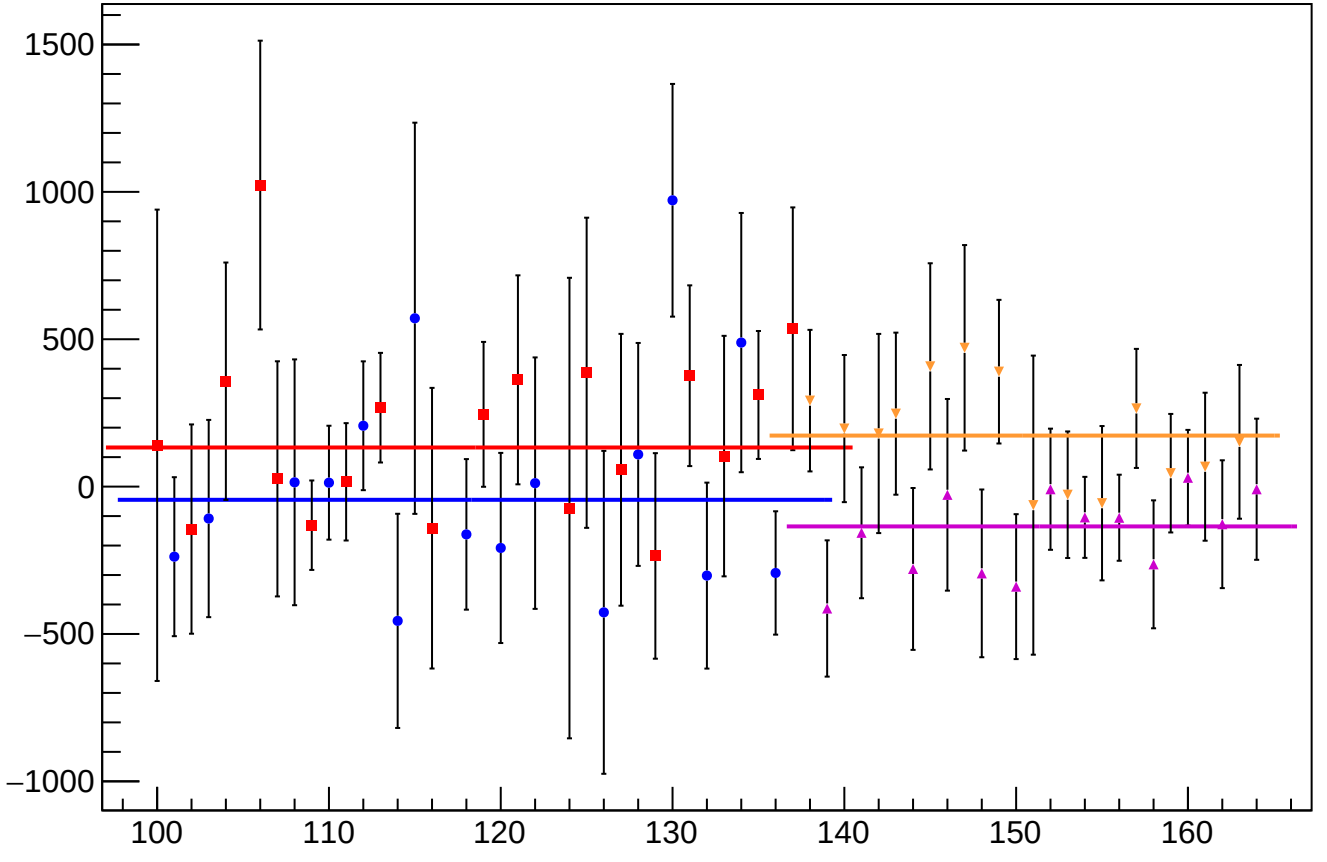
Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

+ sign 11.370+/-0.002 χ^2/NDF: 274500.1/28

All: 11.357+/-0.001 χ^2/NDF: 594081.9/59

- 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: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

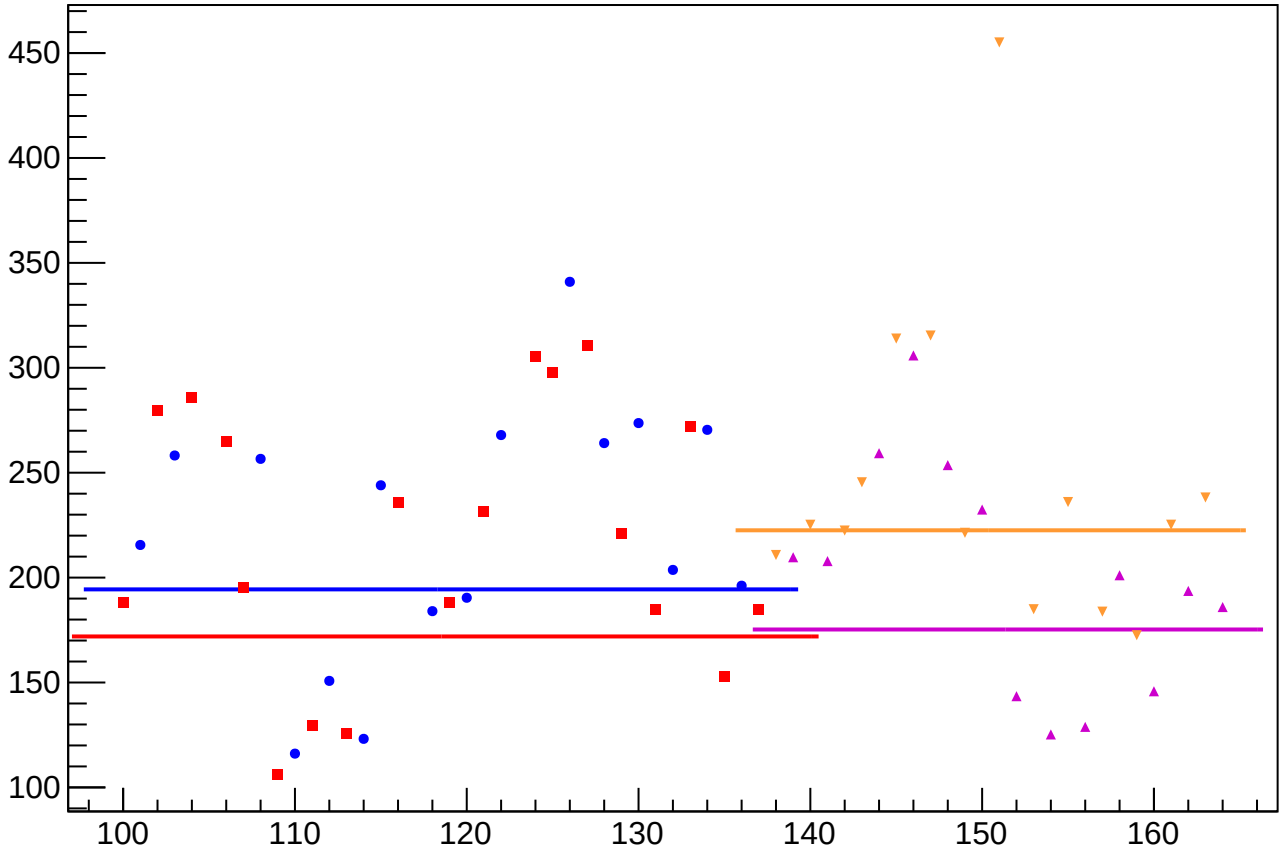
Left In: -135.082+/-56.613 χ^2/NDF:5.0/12

+ sign 74.893+/-51.312 χ^2/NDF: 24.8/29

All: 16.303+/-33.216 χ^2/NDF: 54.0/61

- 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: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

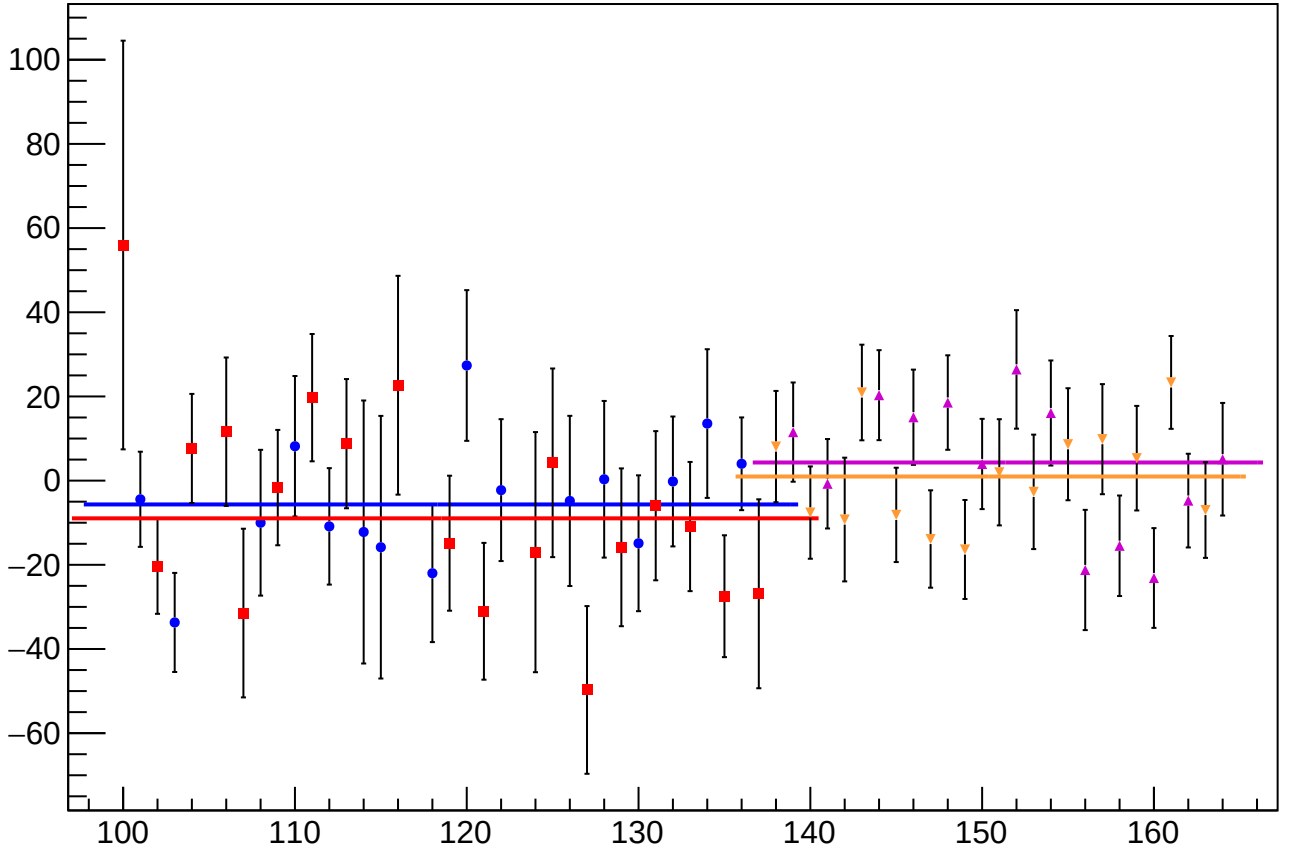
Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

+ sign 209.849+/-0.036 χ^2/NDF: 2179922.1/29

All: 188.973+/-0.023 χ^2/NDF: 5888392.4/61

- 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: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

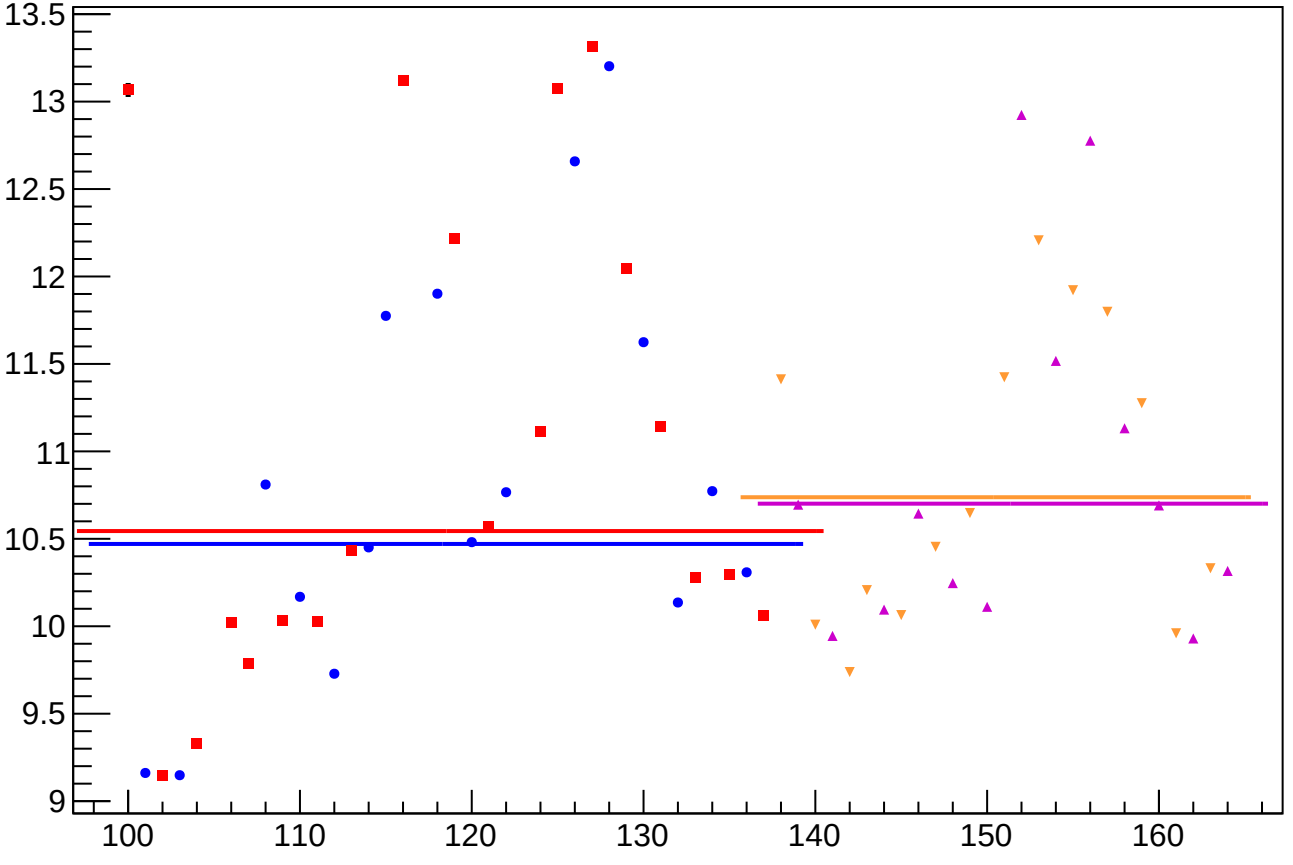
Left In: 4.312+/-3.272 χ^2/NDF:20.7/12

\+ sign -1.709+/-2.507 χ^2/NDF: 29.9/29

All: -1.439+/-1.773 χ^2/NDF: 80.2/61

\- 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: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

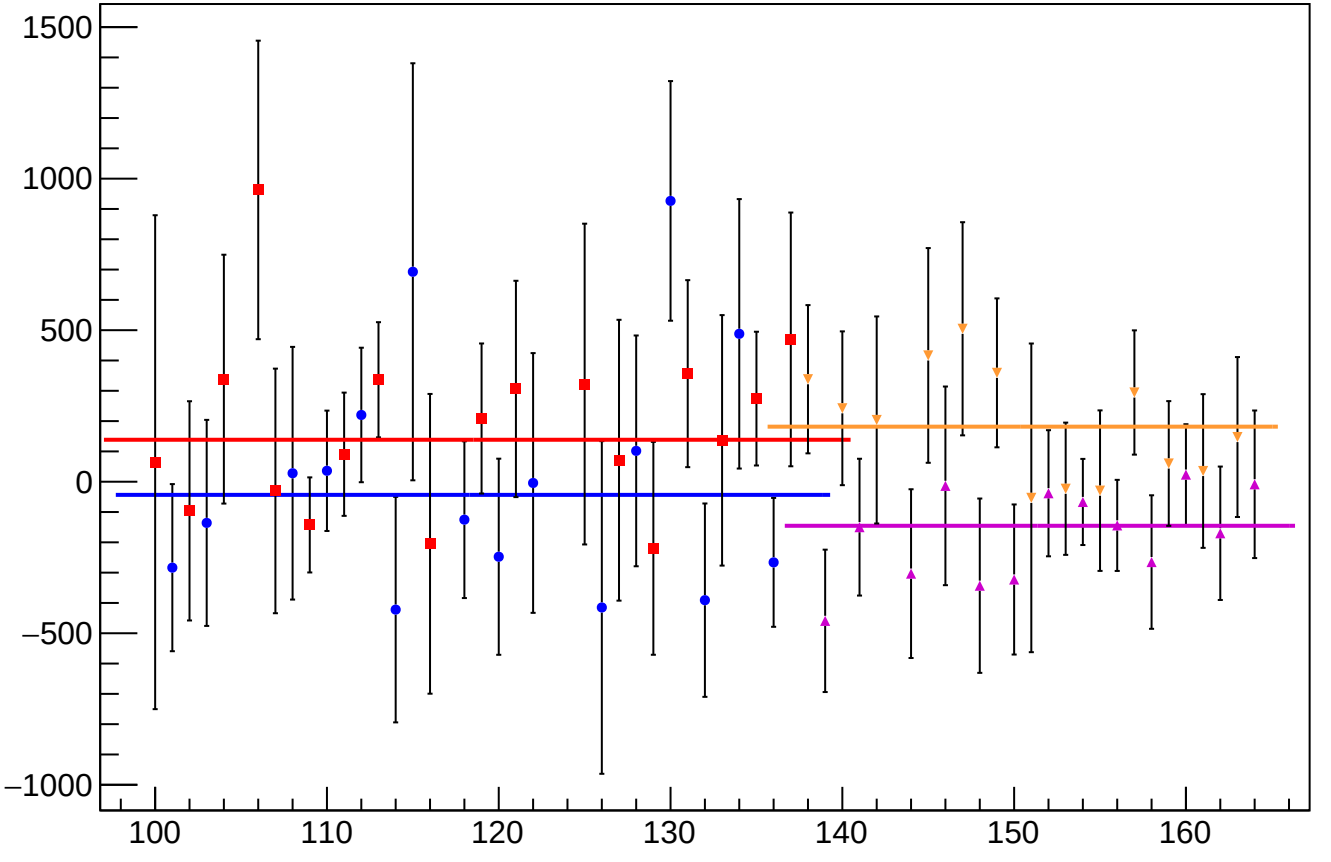
Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

+ sign 10.630+/-0.002 χ^2/NDF: 273522.4/29

All: 10.633+/-0.001 χ^2/NDF: 602615.0/61

- 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: 181.675+/-72.574 χ^2/NDF:5.0/12

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

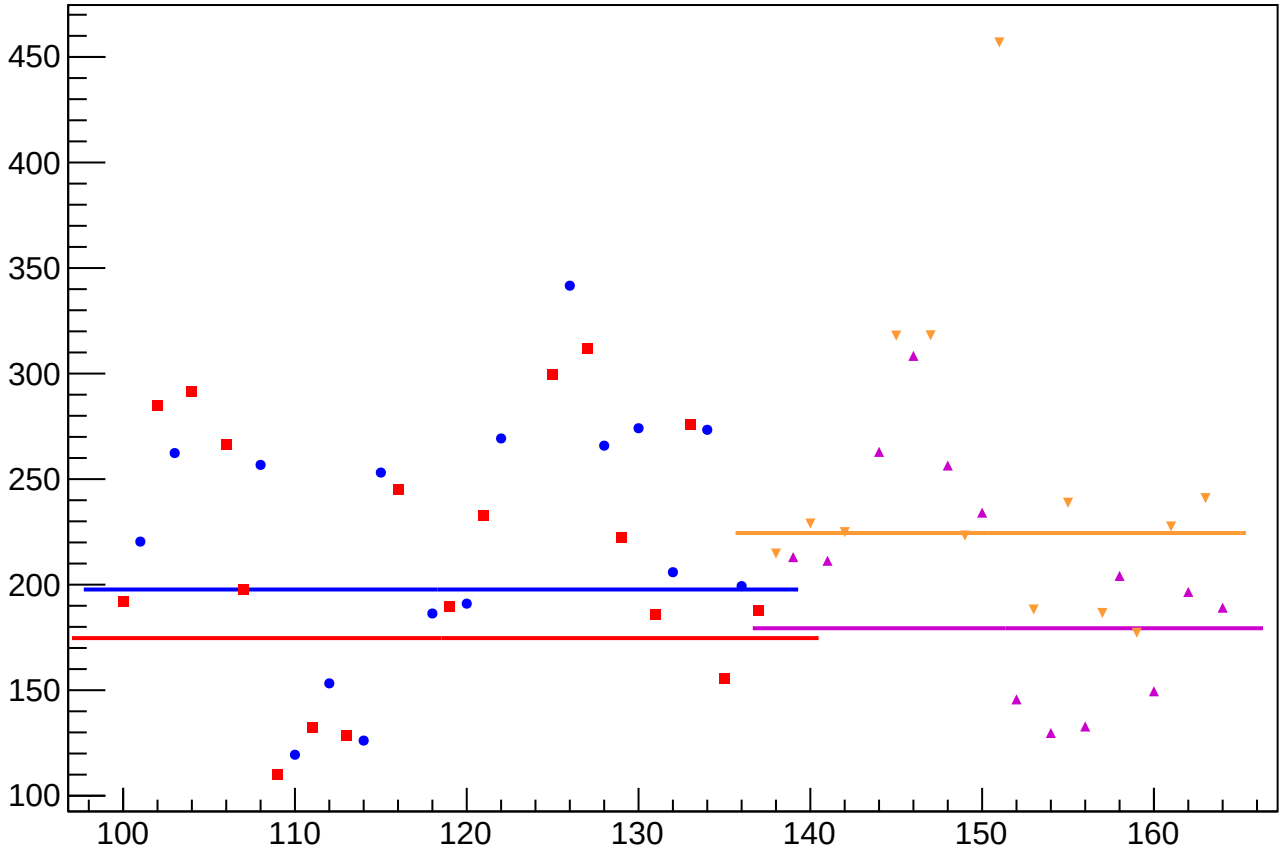
Left In: -145.392+/-57.781 χ^2/NDF:5.5/12

+ sign 76.647+/-53.000 χ^2/NDF: 25.0/28

All: 14.093+/-34.088 χ^2/NDF: 54.1/59

- 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: 224.470+/-0.051 χ^2/NDF:944538.0/12

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

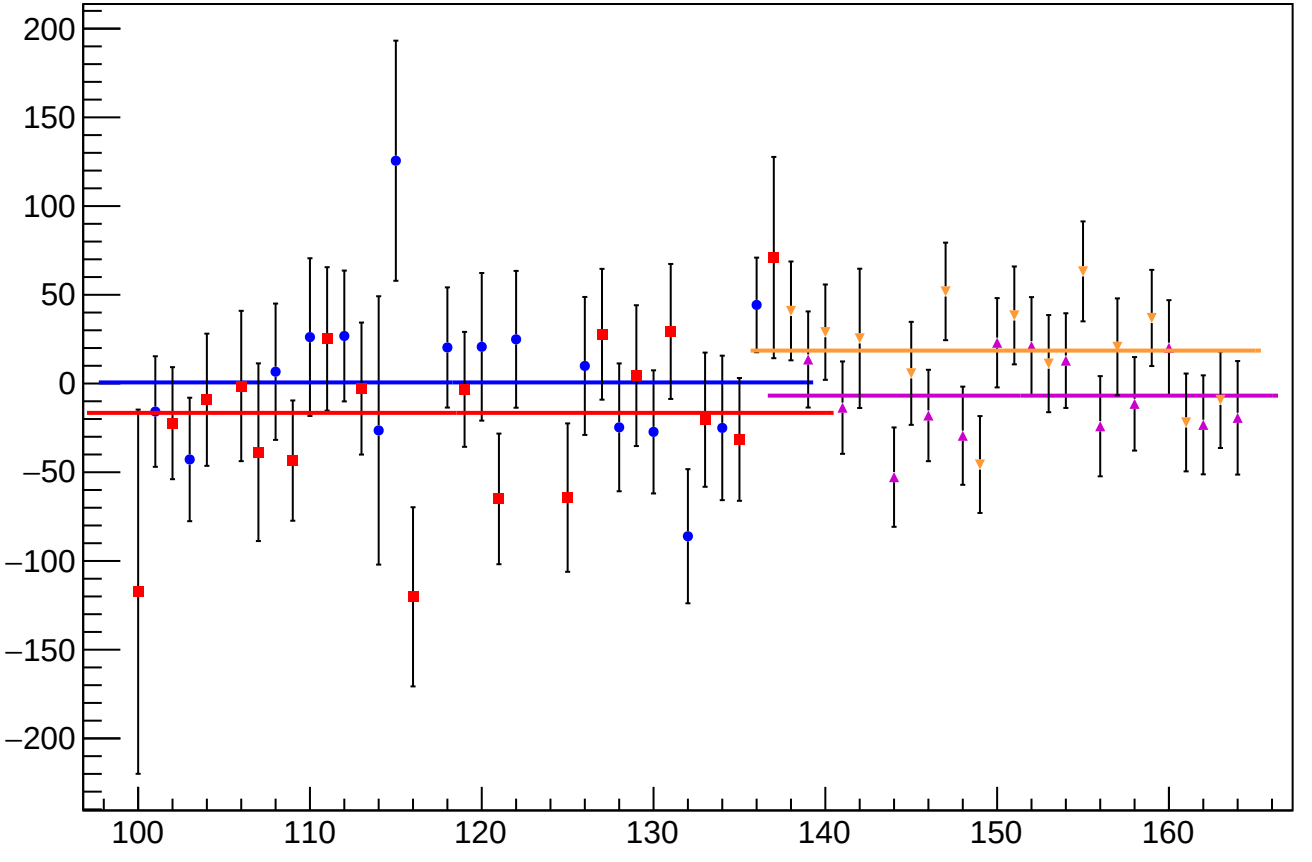
Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

+ sign 211.980+/-0.037 χ^2/NDF: 2071781.8/28

All: 191.736+/-0.024 χ^2/NDF: 5515848.9/59

- 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: 18.563+/-7.795 χ^2/NDF:14.8/12

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

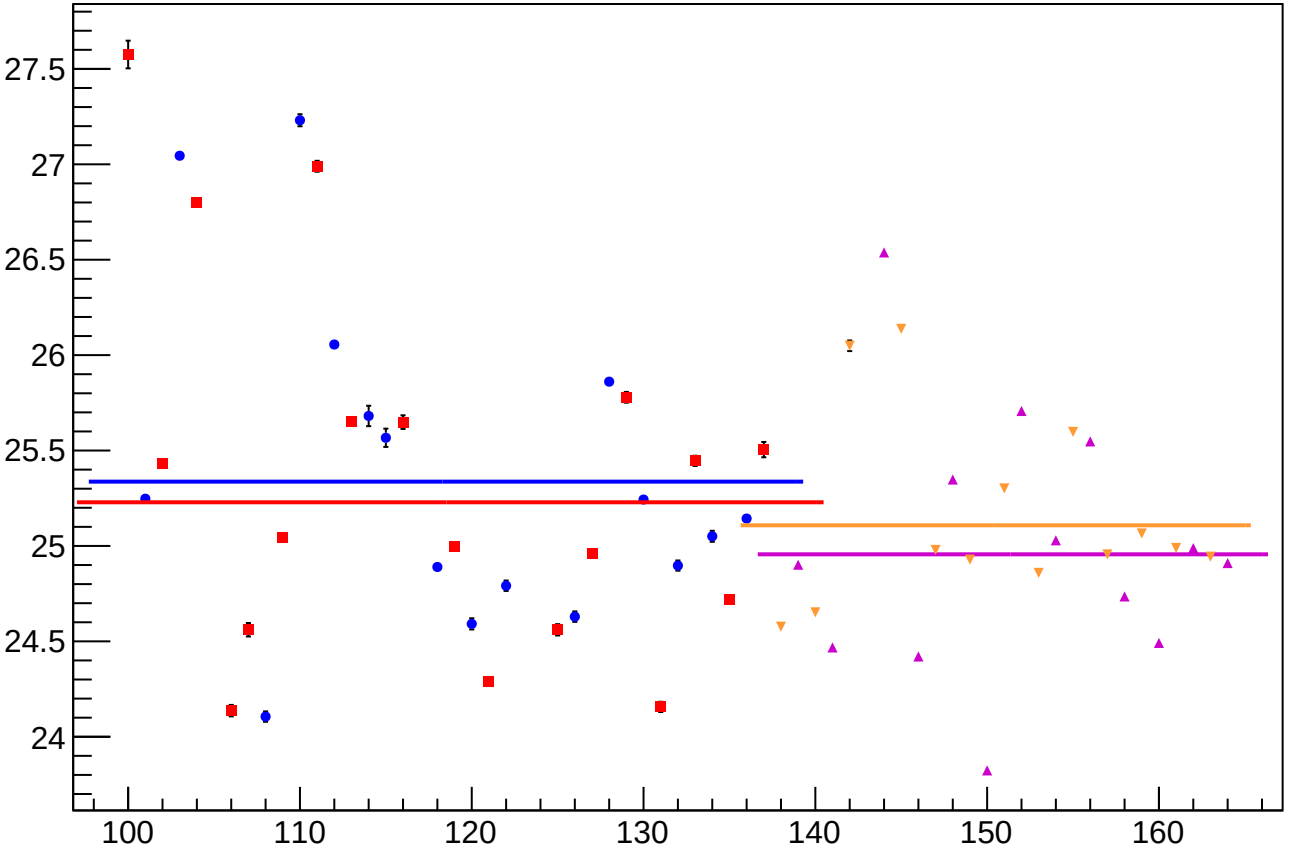
Left In: -6.830+/-7.545 χ^2/NDF:9.1/12

+ sign 11.271+/-6.006 χ^2/NDF: 33.7/28

All: 0.029+/-4.195 χ^2/NDF: 66.6/59

- 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: 25.108+/-0.006 χ^2/NDF:6147.7/12

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

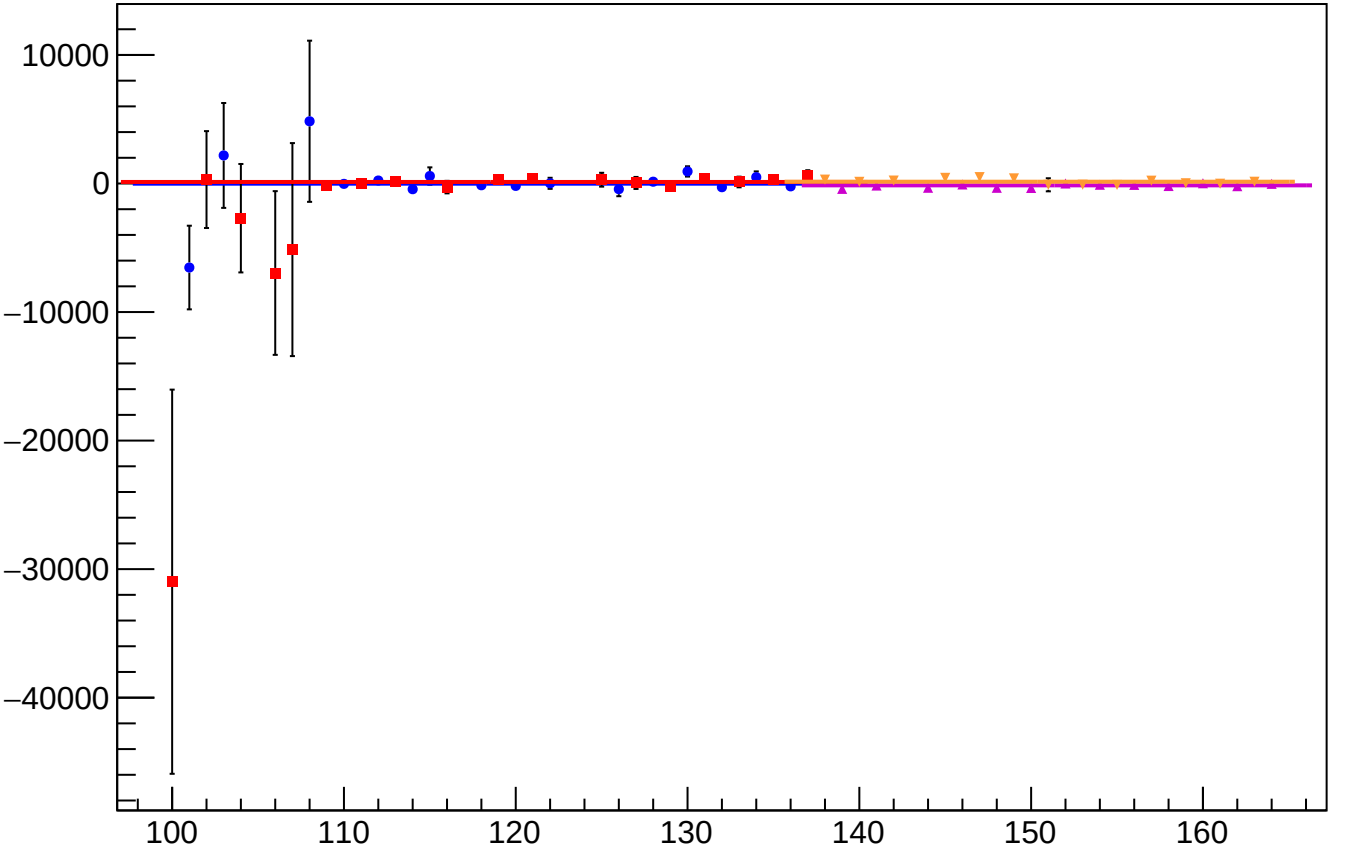
Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

+ sign 25.201+/-0.004 χ^2/NDF: 21163.0/28

All: 25.131+/-0.003 χ^2/NDF: 53430.0/59

- 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: 139.445+/-73.458 χ^2/NDF:6.2/12

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

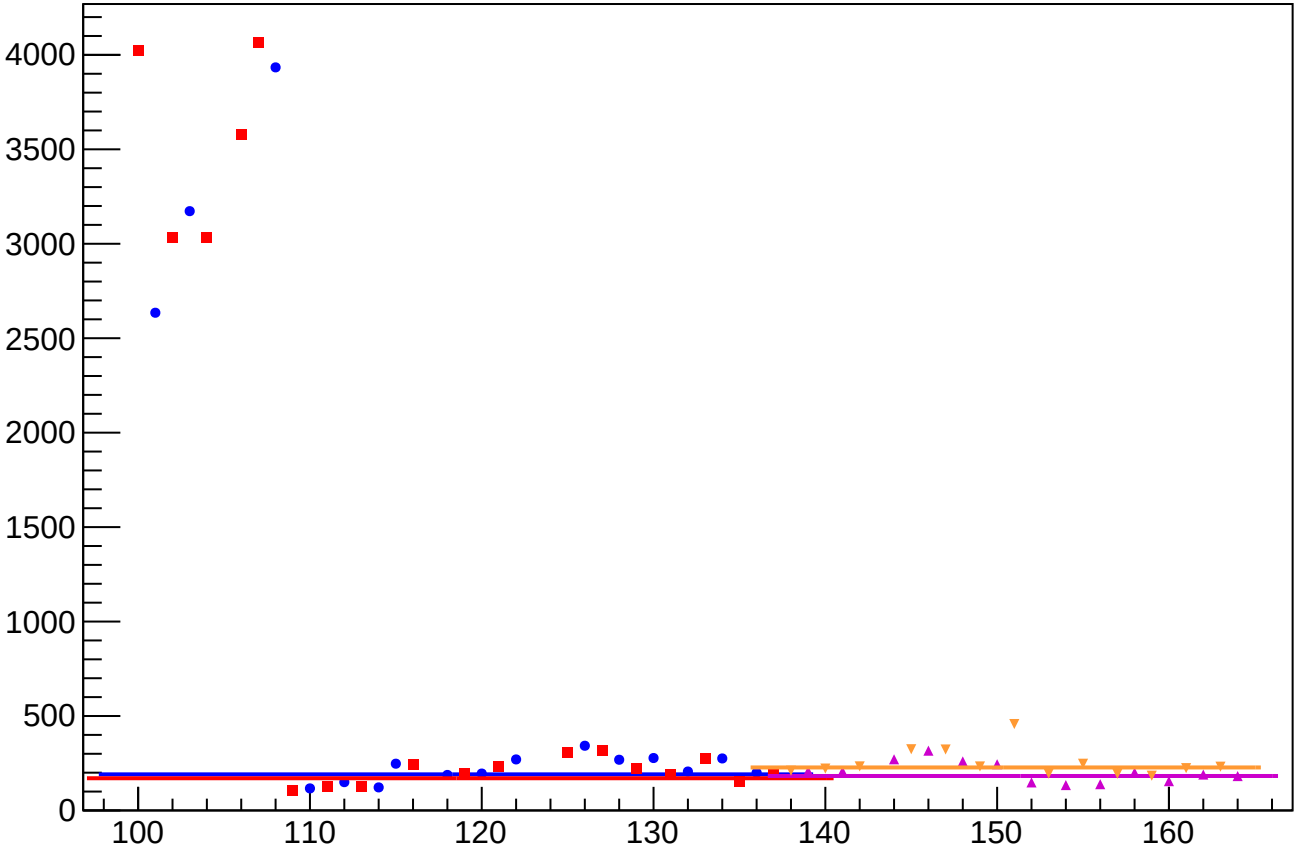
Left In: -143.882+/-58.602 χ^2/NDF:4.8/12

+ sign 73.717+/-55.426 χ^2/NDF: 26.4/28

All: 2.175+/-35.805 χ^2/NDF: 55.8/59

- 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: 227.662+/-0.052 χ^2/NDF:895298.3/12

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

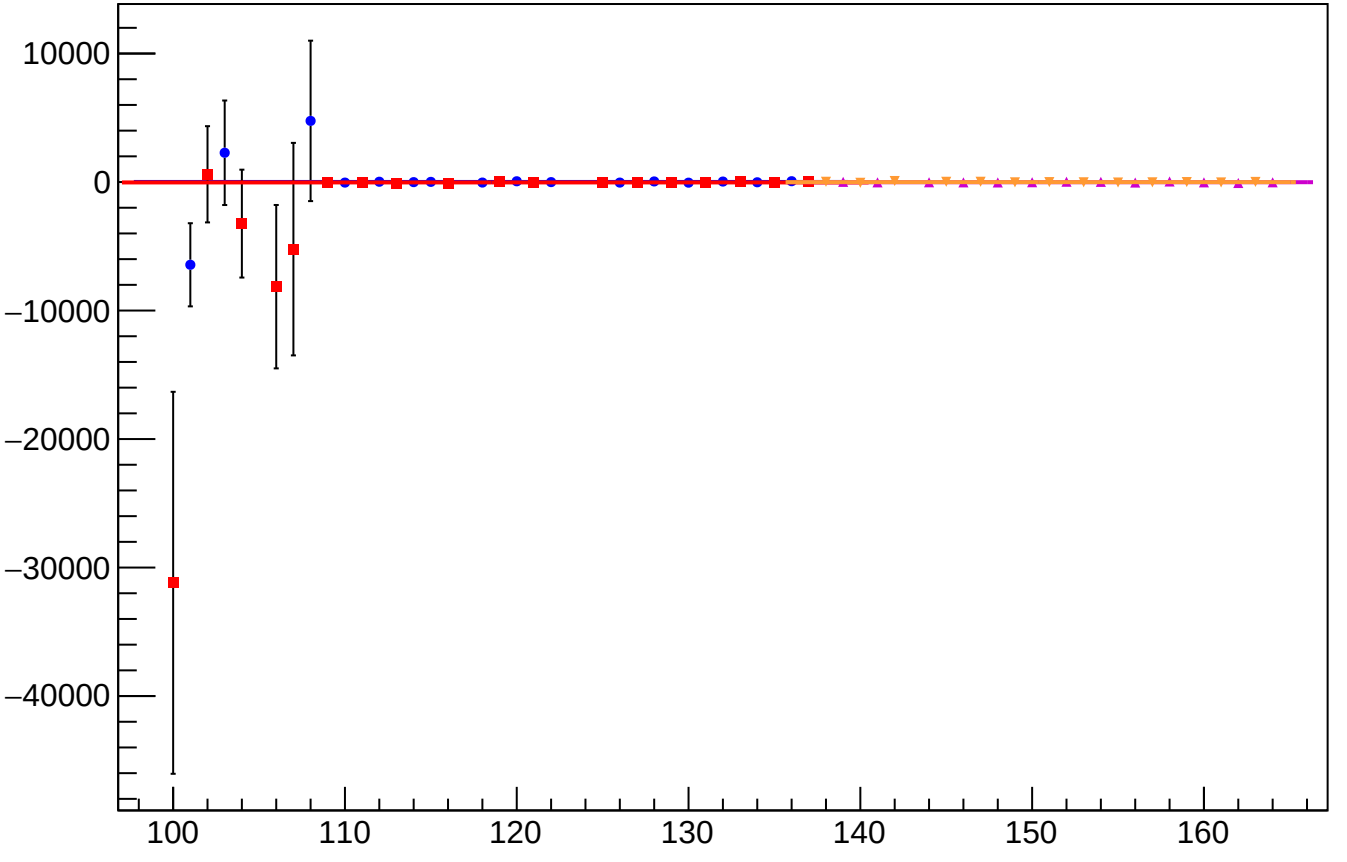
Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

+ sign 211.901+/-0.039 χ^2/NDF: 4942996.0/28

All: 192.245+/-0.025 χ^2/NDF: 10957855.3/59

- 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: -7.789+/-9.108 χ^2/NDF:10.6/12

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

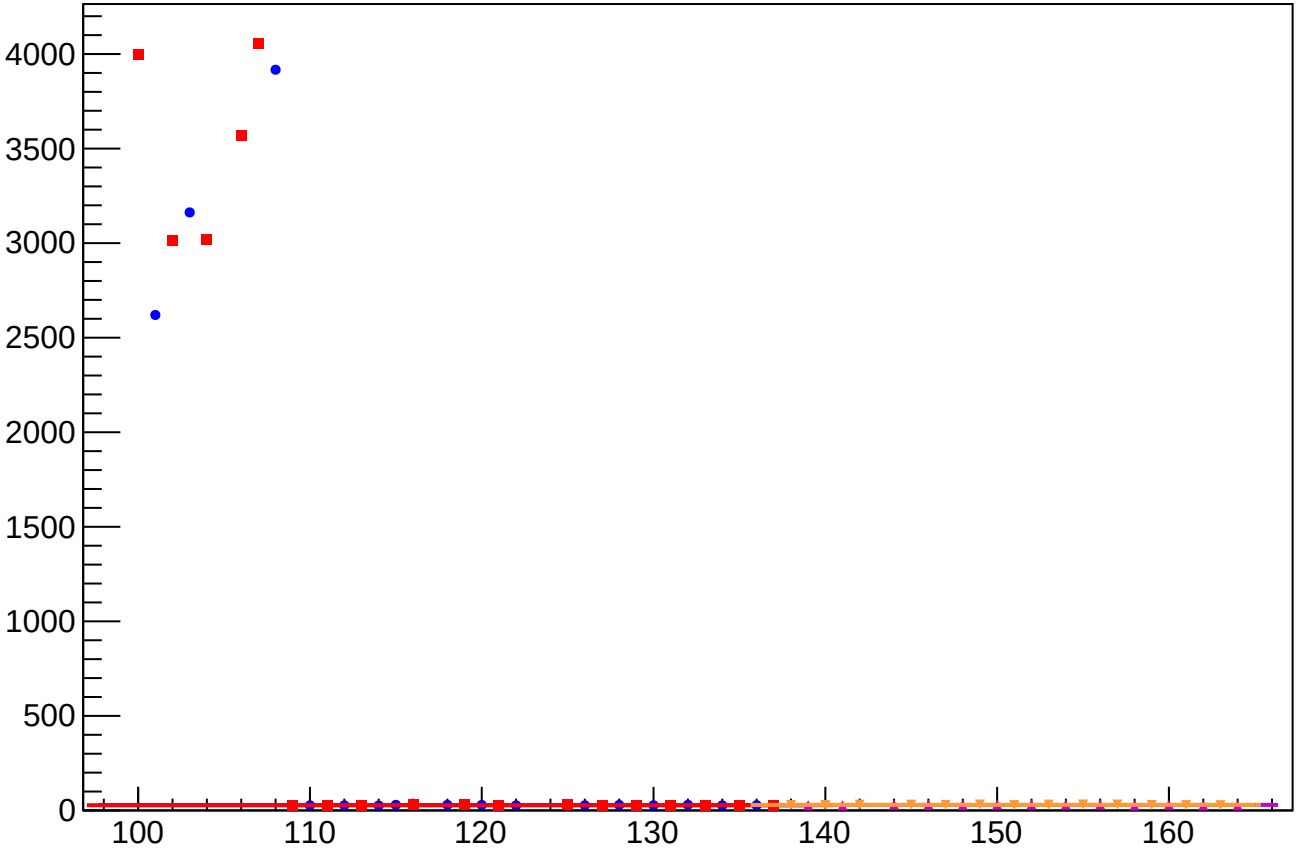
Left In: -12.349+/-8.854 χ^2/NDF:12.2/12

\+ sign -2.438+/-7.202 χ^2/NDF: 29.8/28

All: -10.674+/-5.071 χ^2/NDF: 66.0/59

\- 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: 29.288+/-0.006 χ^2/NDF:41916.2/12

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

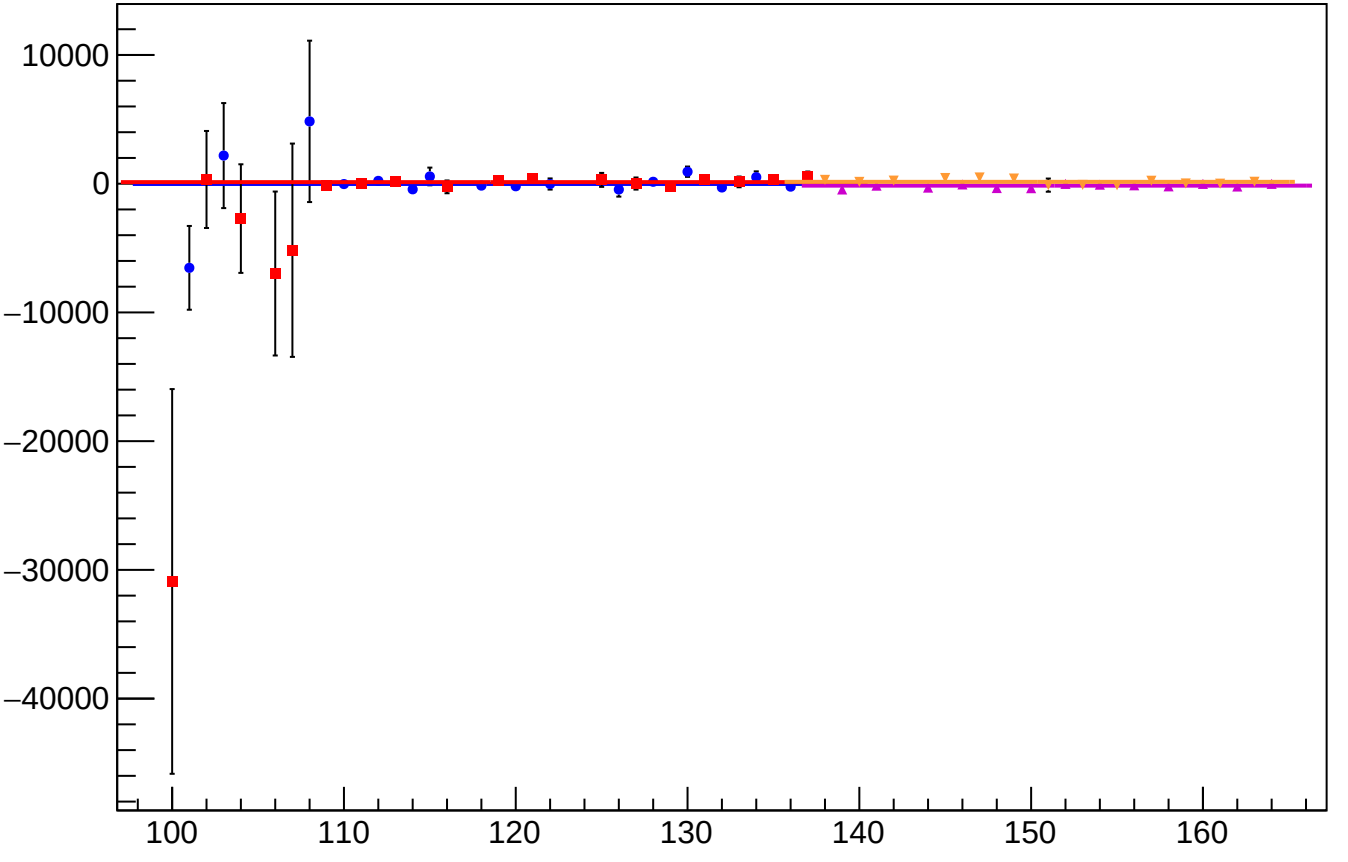
Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

+ sign 28.740+/-0.005 χ^2/NDF: 3327160.5/28

All: 28.722+/-0.004 χ^2/NDF: 6999197.1/59

- 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: 143.517+/-74.010 χ^2/NDF:6.1/12

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

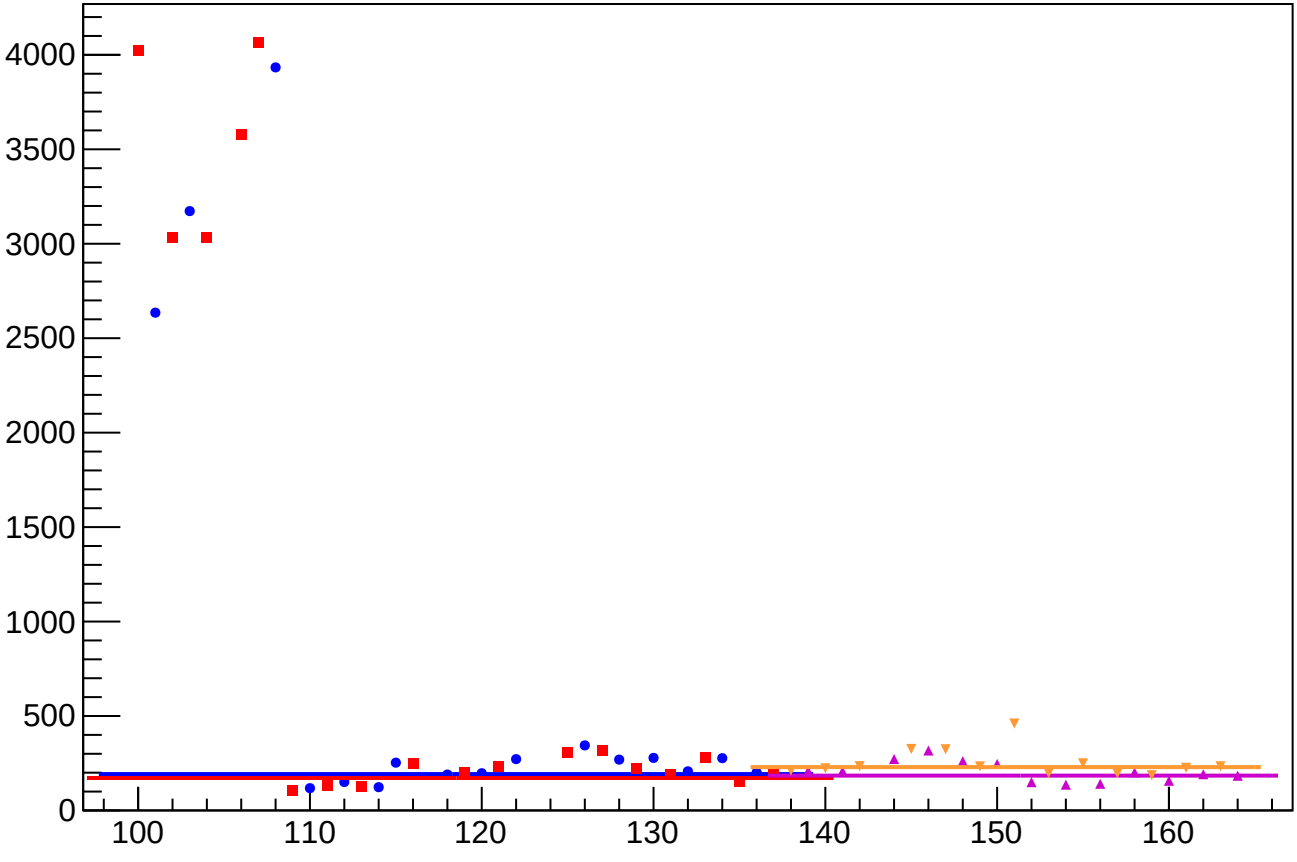
Left In: -149.850+/-59.170 χ^2/NDF:4.8/12

+ sign 73.272+/-55.834 χ^2/NDF: 26.4/28

All: 0.332+/-36.102 χ^2/NDF: 54.9/59

- 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: 229.492+/-0.052 χ^2/NDF:881597.0/12

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

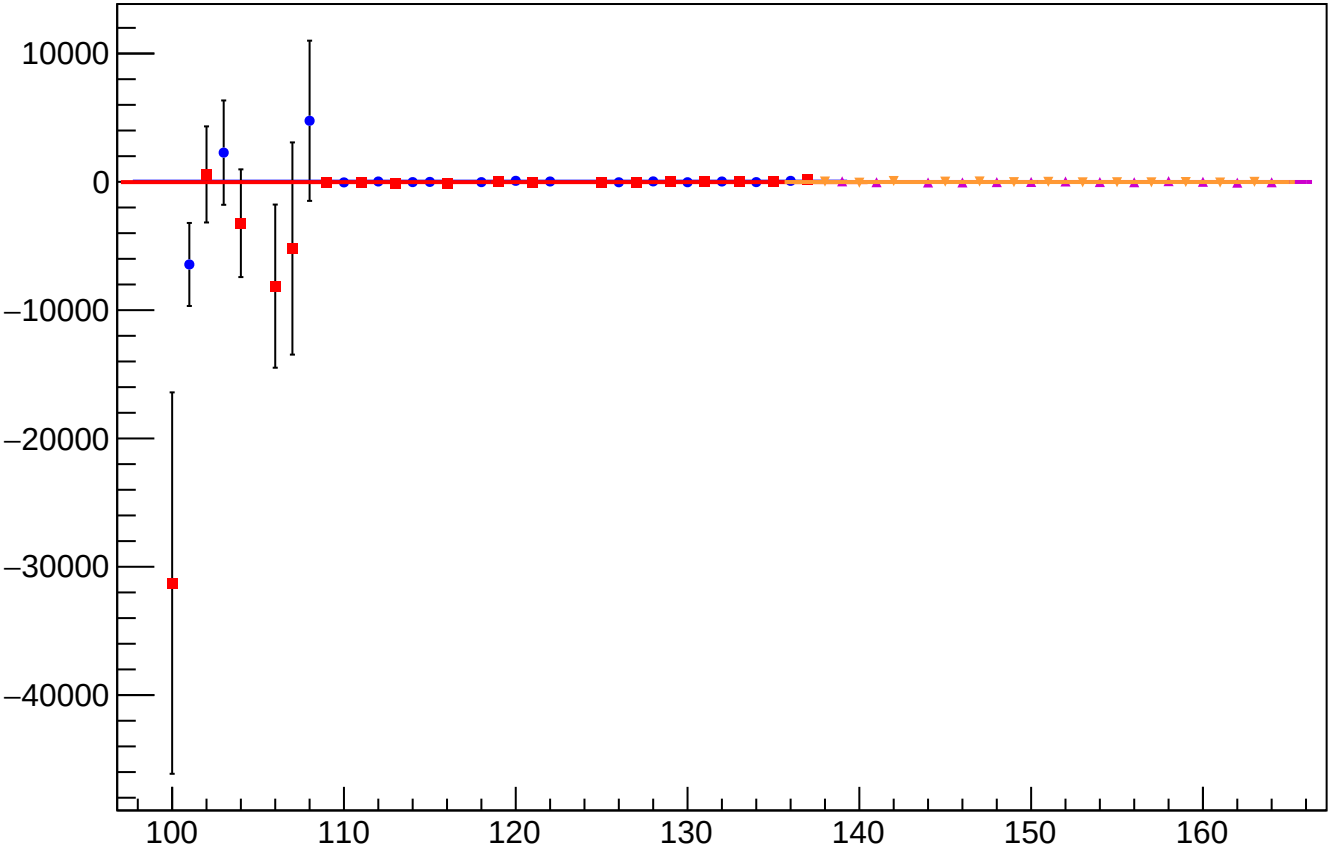
Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

+ sign 213.580+/-0.039 χ^2/NDF: 4918965.2/28

All: 193.996+/-0.026 χ^2/NDF: 10881608.4/59

- 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: -14.941+/-9.734 χ^2/NDF:11.4/12

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

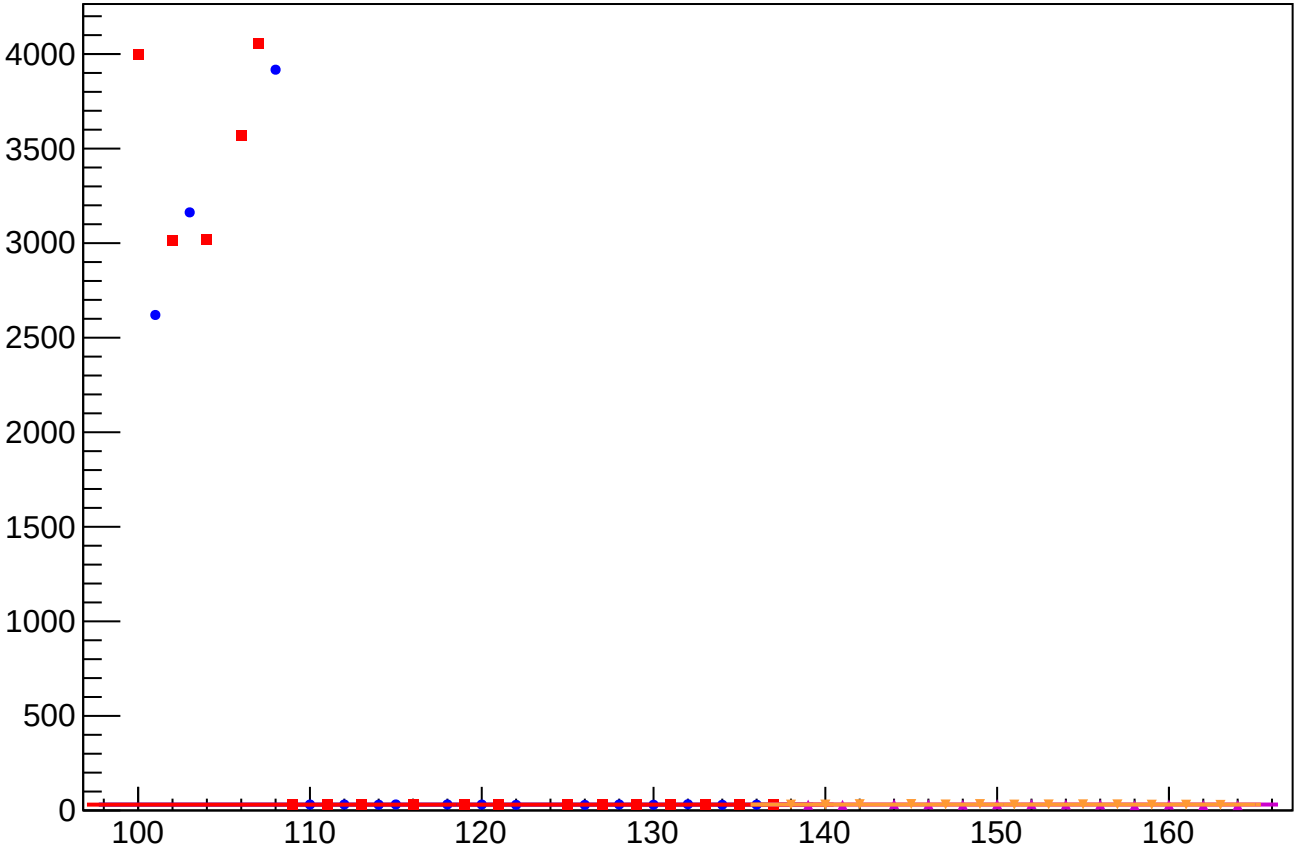
Left In: -10.555+/-9.487 χ^2/NDF:14.0/12

+ sign -4.711+/-7.805 χ^2/NDF: 30.0/28

All: -9.572+/-5.496 χ^2/NDF: 73.6/59

- 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: 31.317+/-0.007 χ^2/NDF:32122.4/12

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

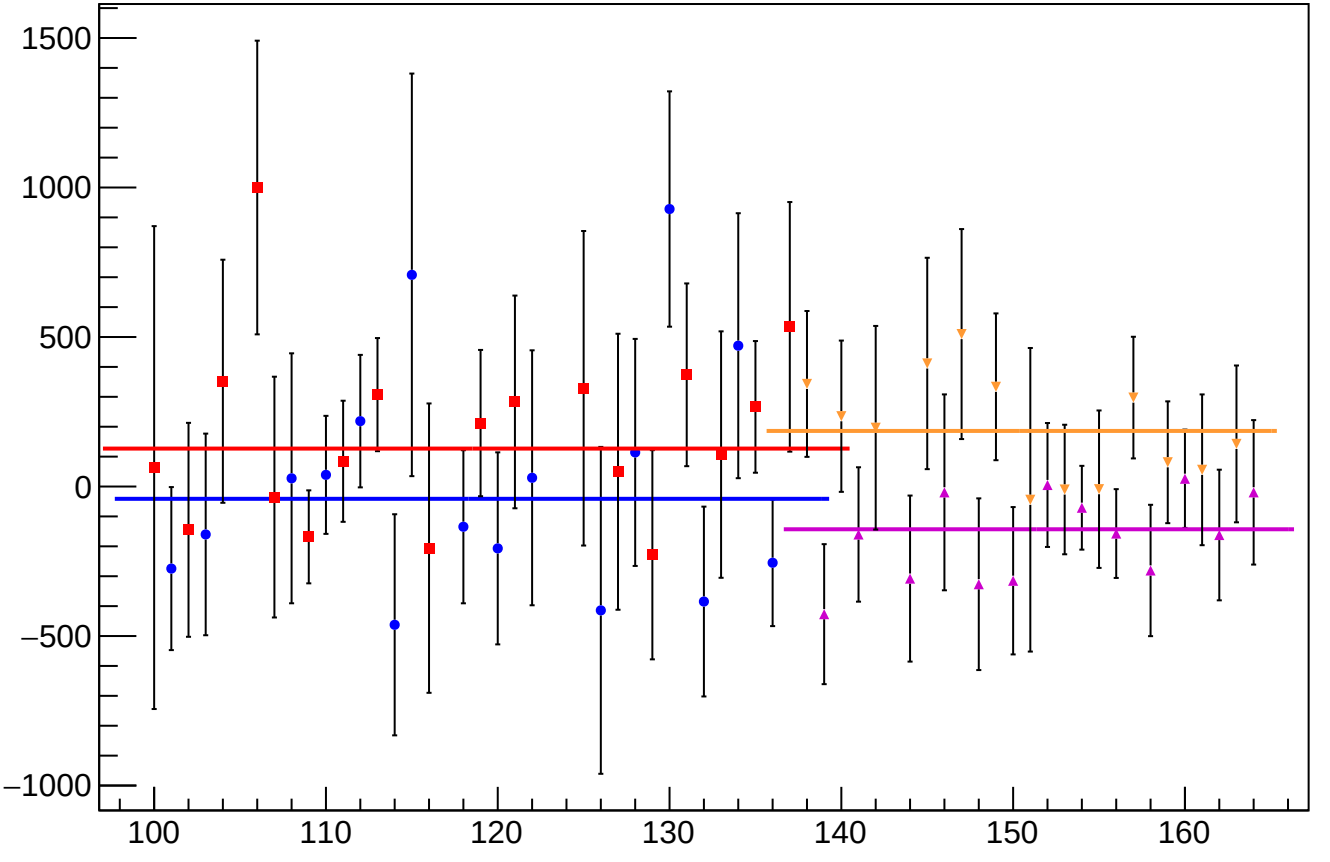
Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

+ sign 31.178+/-0.006 χ^2/NDF: 3285866.2/28

All: 31.157+/-0.004 χ^2/NDF: 6898621.0/59

- 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: 185.911+/-72.180 χ^2/NDF:4.5/12

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

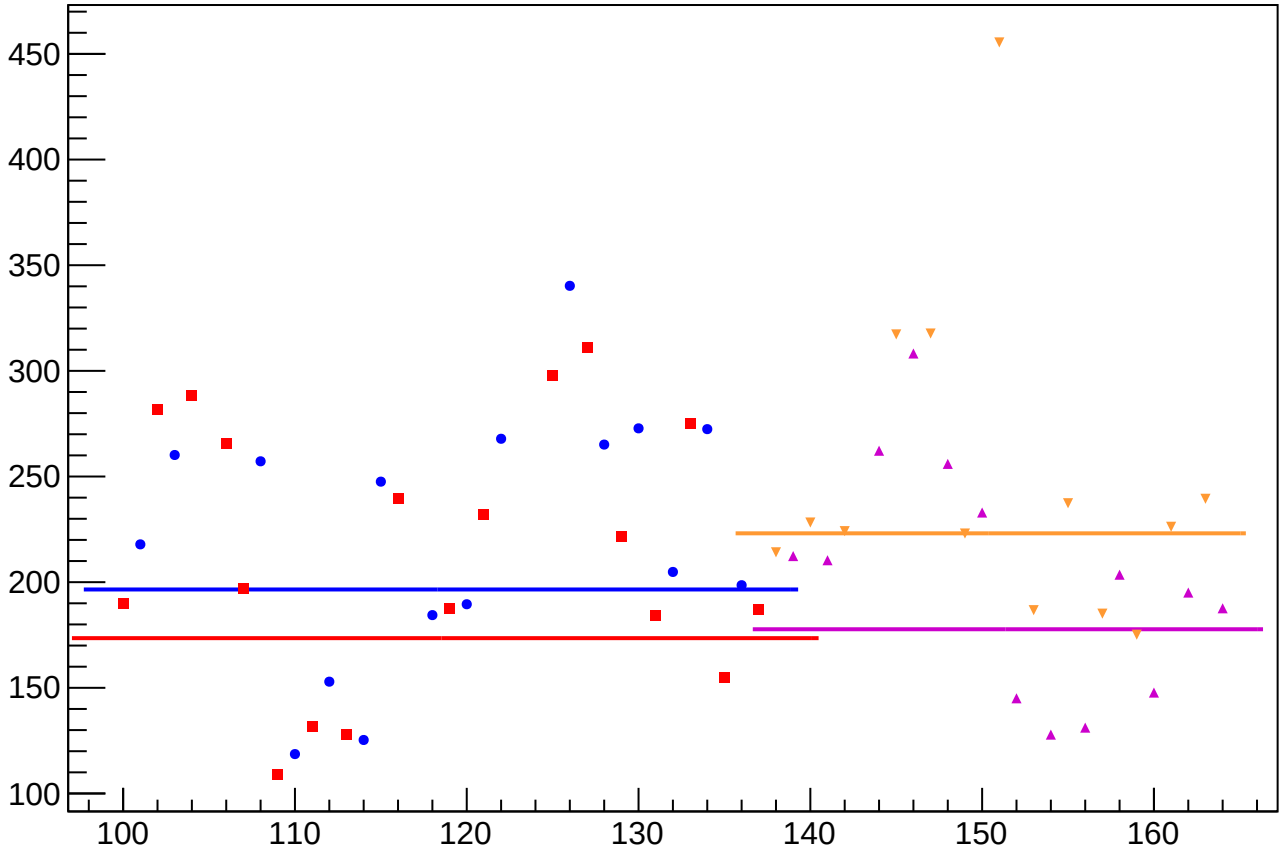
Left In: -142.956+/-57.322 χ^2/NDF:5.4/12

+ sign 79.929+/-52.705 χ^2/NDF: 24.7/28

All: 13.334+/-33.863 χ^2/NDF: 54.6/59

- 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: 223.116+/-0.051 χ^2/NDF:960385.6/12

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

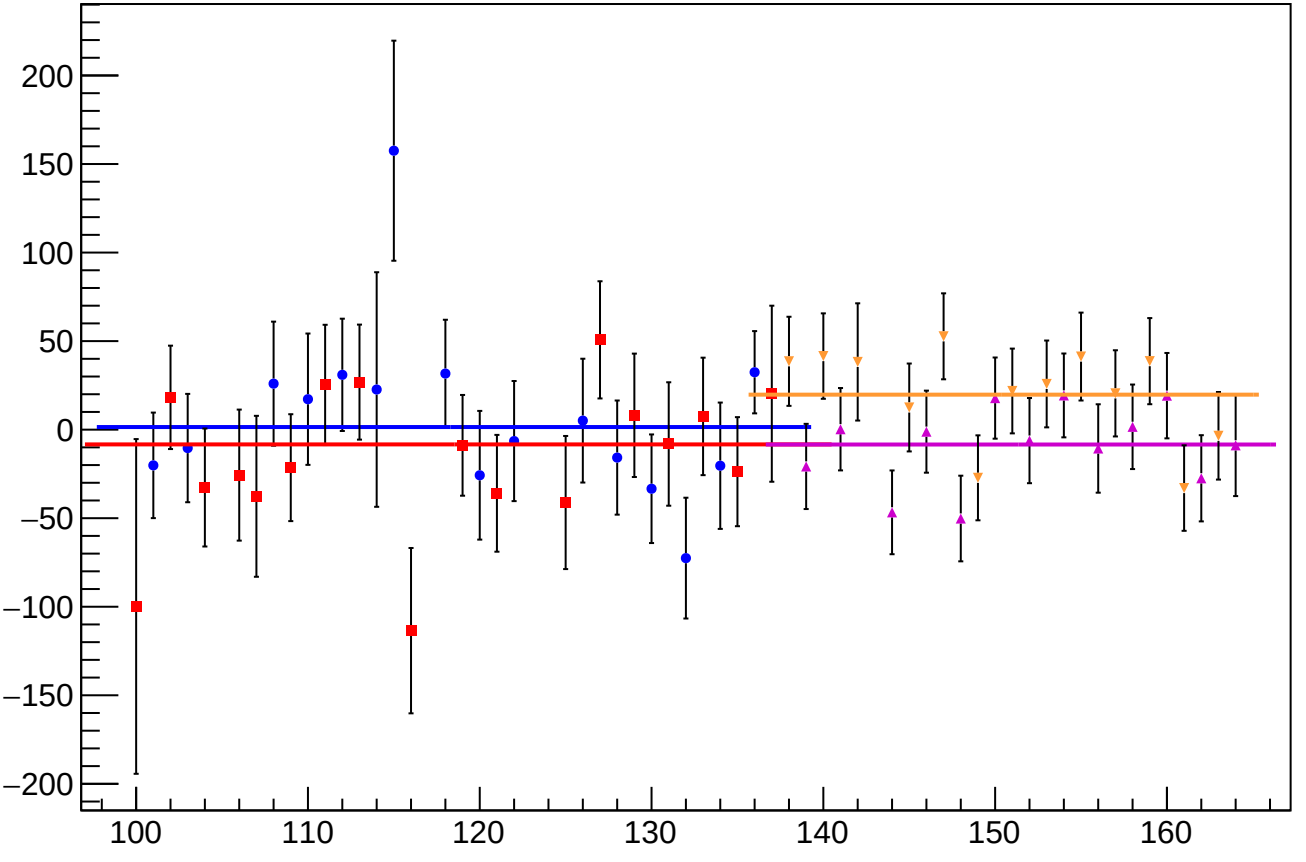
Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

+ sign 210.711+/-0.037 χ^2/NDF: 2087705.3/28

All: 190.335+/-0.024 χ^2/NDF: 5581265.4/59

- 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: 19.762+/-6.895 χ^2/NDF:14.5/12

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

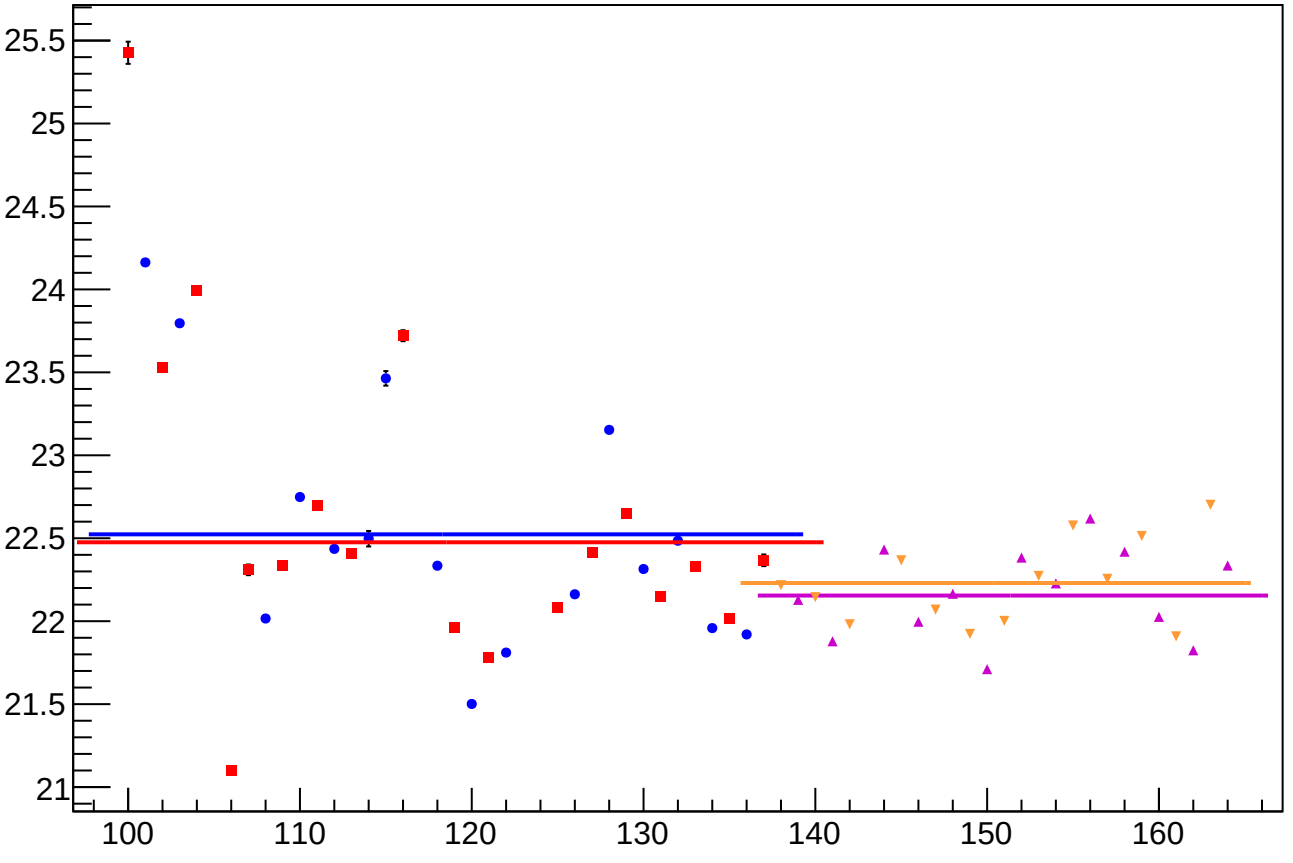
Left In: -8.392+/-6.690 χ^2/NDF:10.9/12

+ sign 12.370+/-5.322 χ^2/NDF: 36.0/28

All: 1.771+/-3.721 χ^2/NDF: 70.7/59

- 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: 22.230+/-0.005 χ^2/NDF:2548.1/12

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

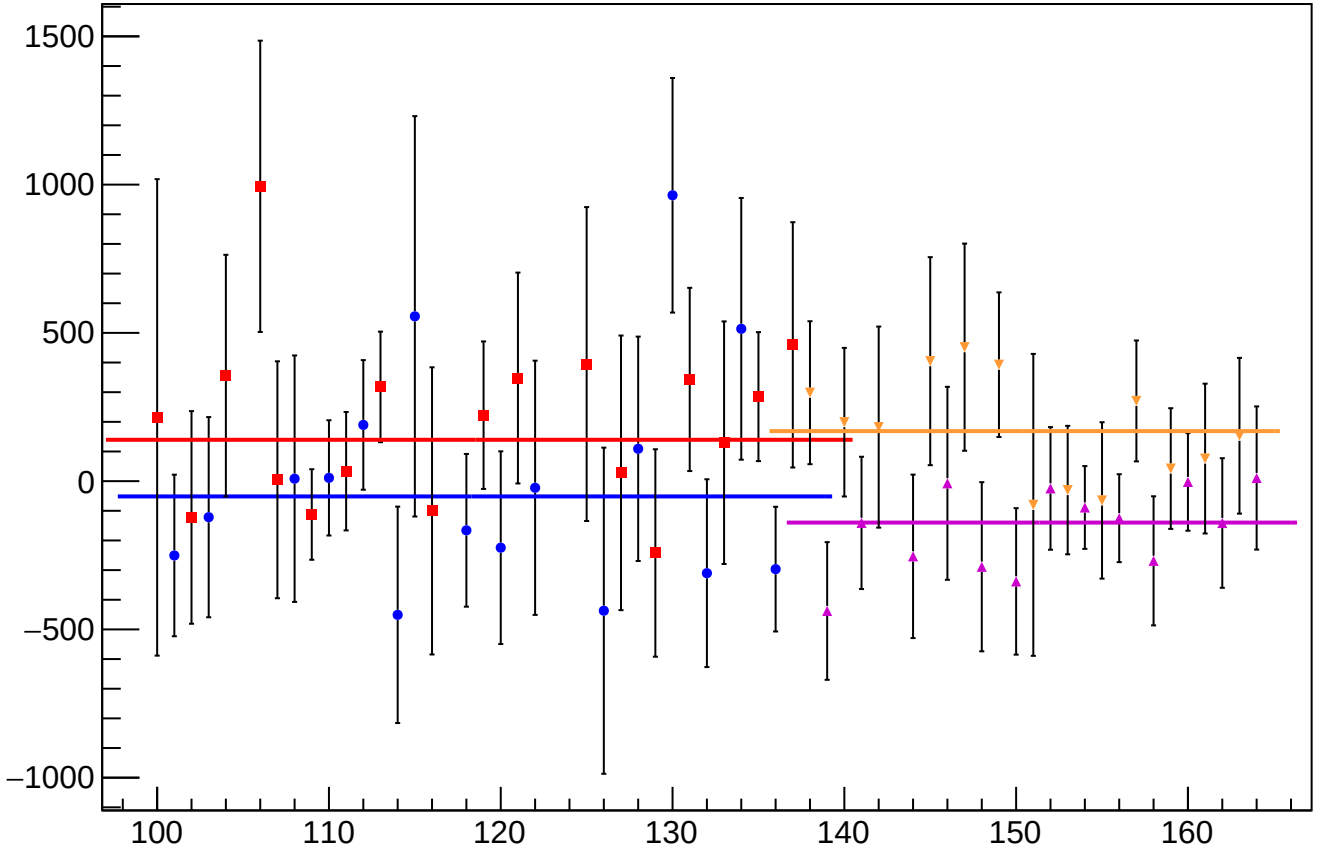
Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

+ sign 22.349+/-0.004 χ^2/NDF: 19959.6/28

All: 22.314+/-0.003 χ^2/NDF: 40520.1/59

- 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: 168.714+/-72.000 χ^2/NDF:4.9/12

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

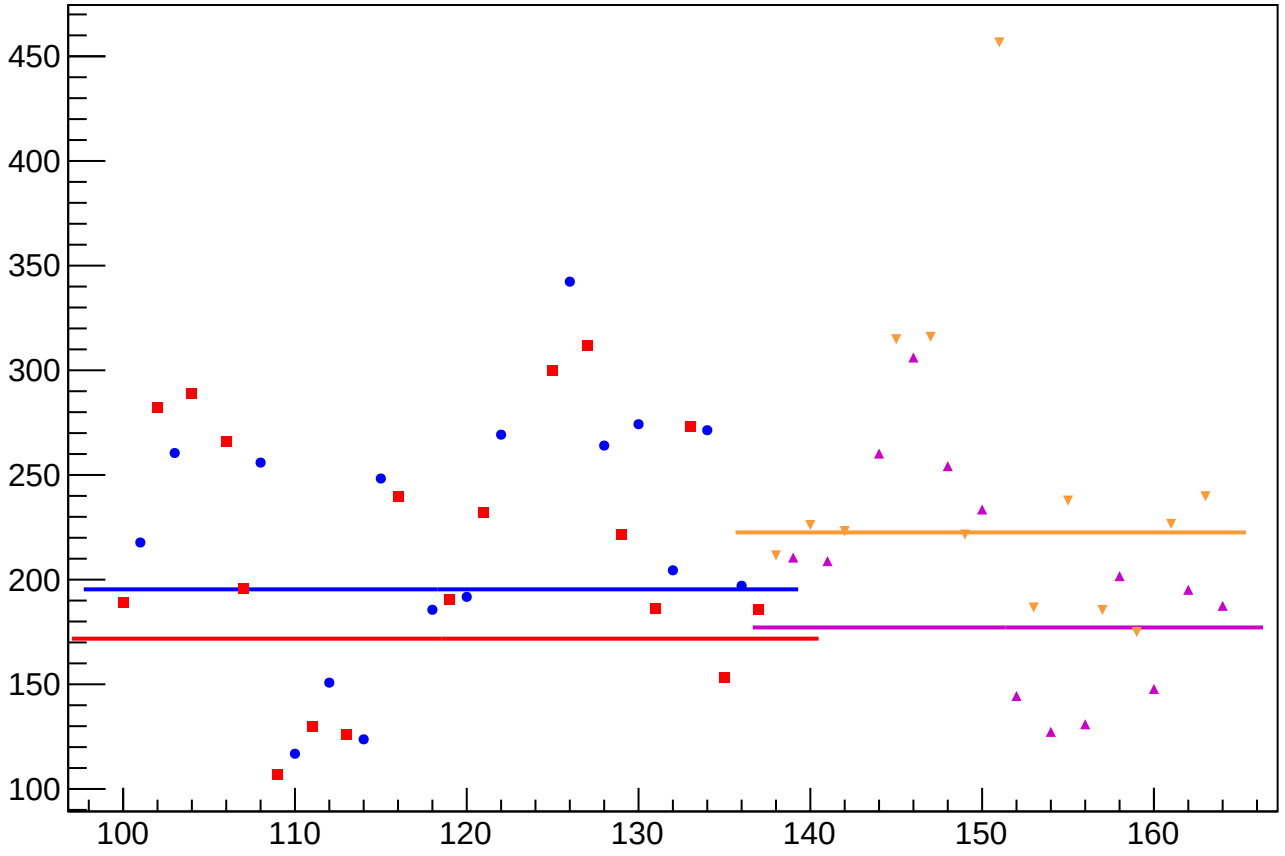
Left In: -139.744+/-57.137 χ^2/NDF:4.8/12

+ sign 65.705+/-52.526 χ^2/NDF: 24.6/28

All: 11.842+/-33.720 χ^2/NDF: 52.5/59

- 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: 222.559+/-0.051 χ^2/NDF:955030.3/12

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

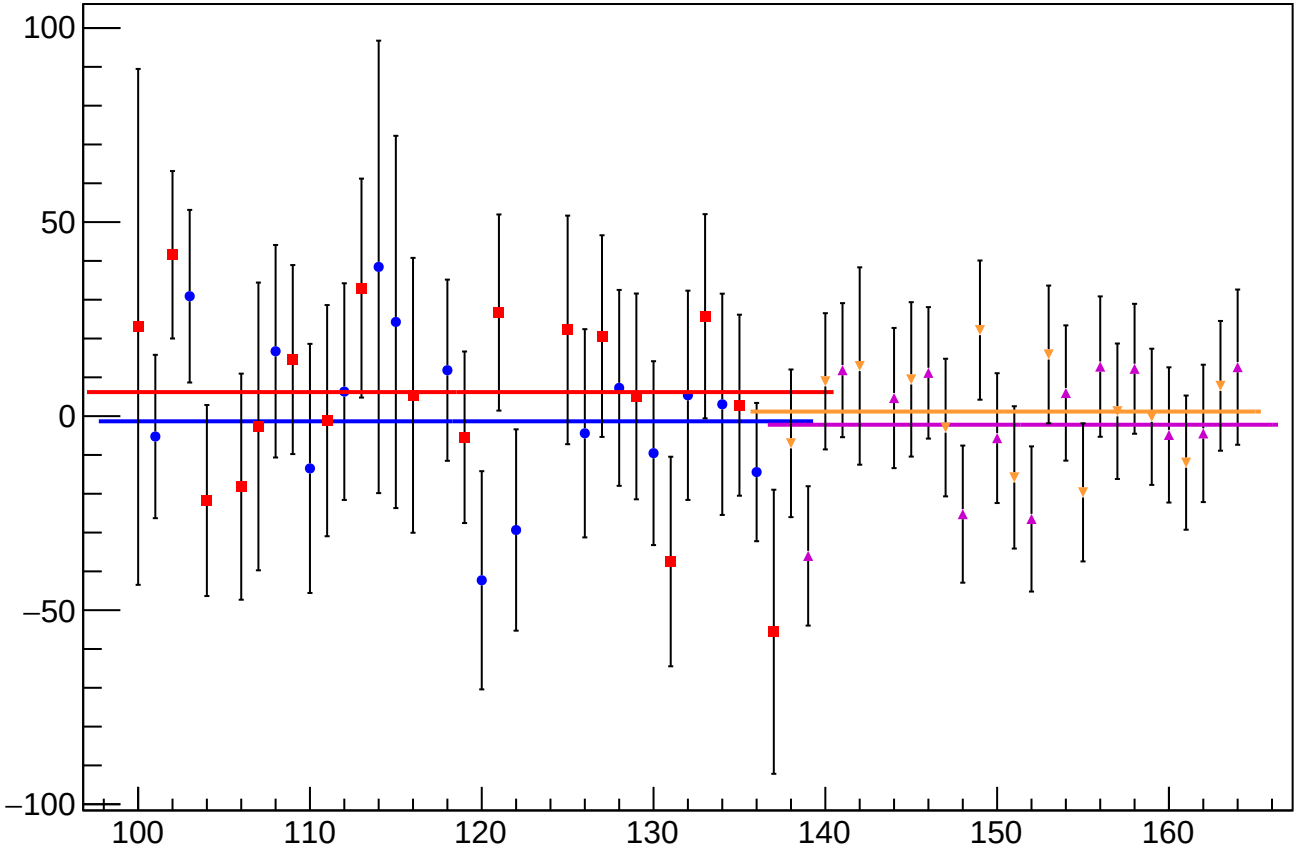
Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

+ sign 209.836+/-0.037 χ^2/NDF: 2129965.9/28

All: 189.340+/-0.024 χ^2/NDF: 5689916.9/59

- 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: 1.179+/-5.055 χ^2/NDF:5.8/12

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

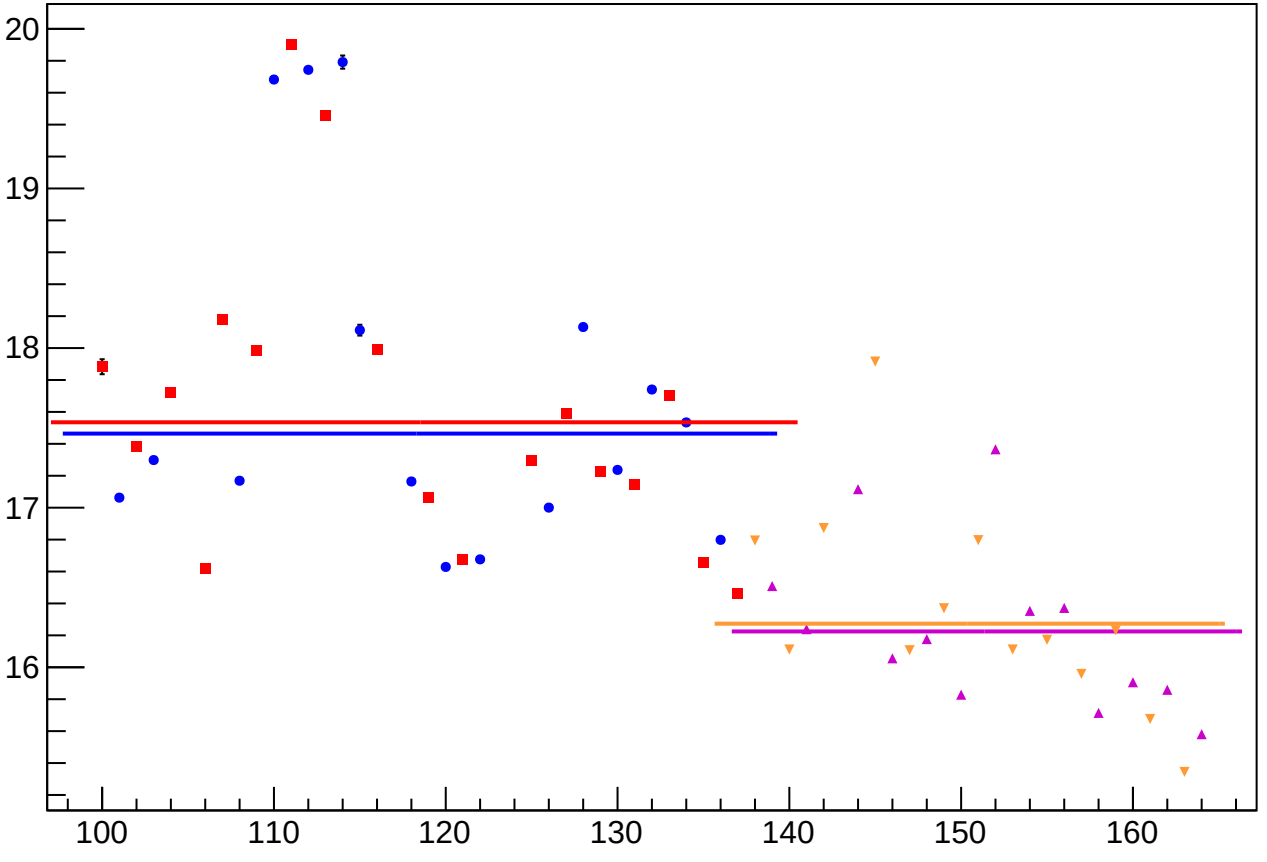
Left In: -2.216+/-4.906 χ^2/NDF:10.6/12

+ sign 0.233+/-3.990 χ^2/NDF: 14.0/28

All: 0.549+/-2.793 χ^2/NDF: 39.1/59

- 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: 16.273+/-0.004 χ^2/NDF:27723.8/12

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

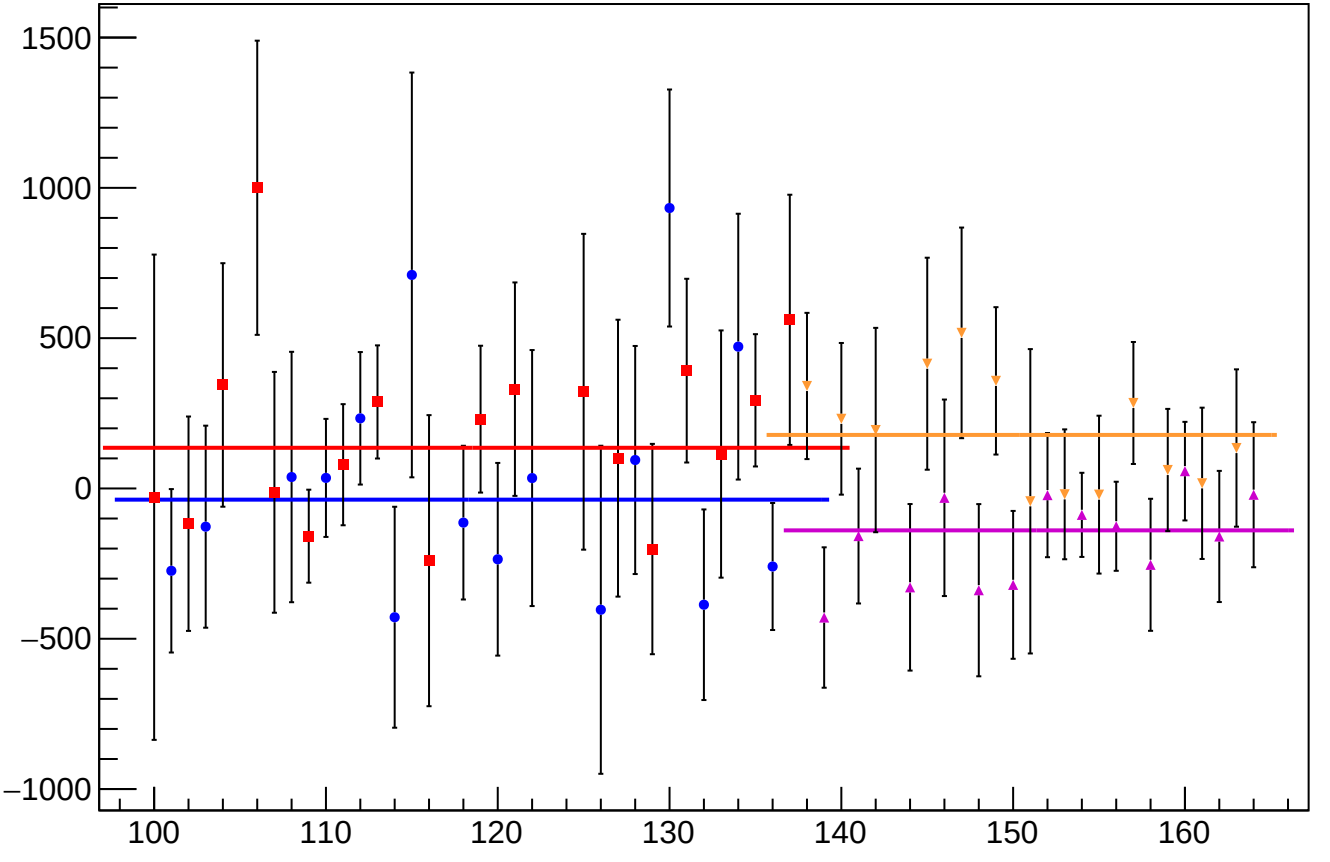
Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

+ sign 16.722+/-0.003 χ^2/NDF: 106231.4/28

All: 16.712+/-0.002 χ^2/NDF: 212647.3/59

- 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: 178.083+/-72.018 χ^2/NDF:5.1/12

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

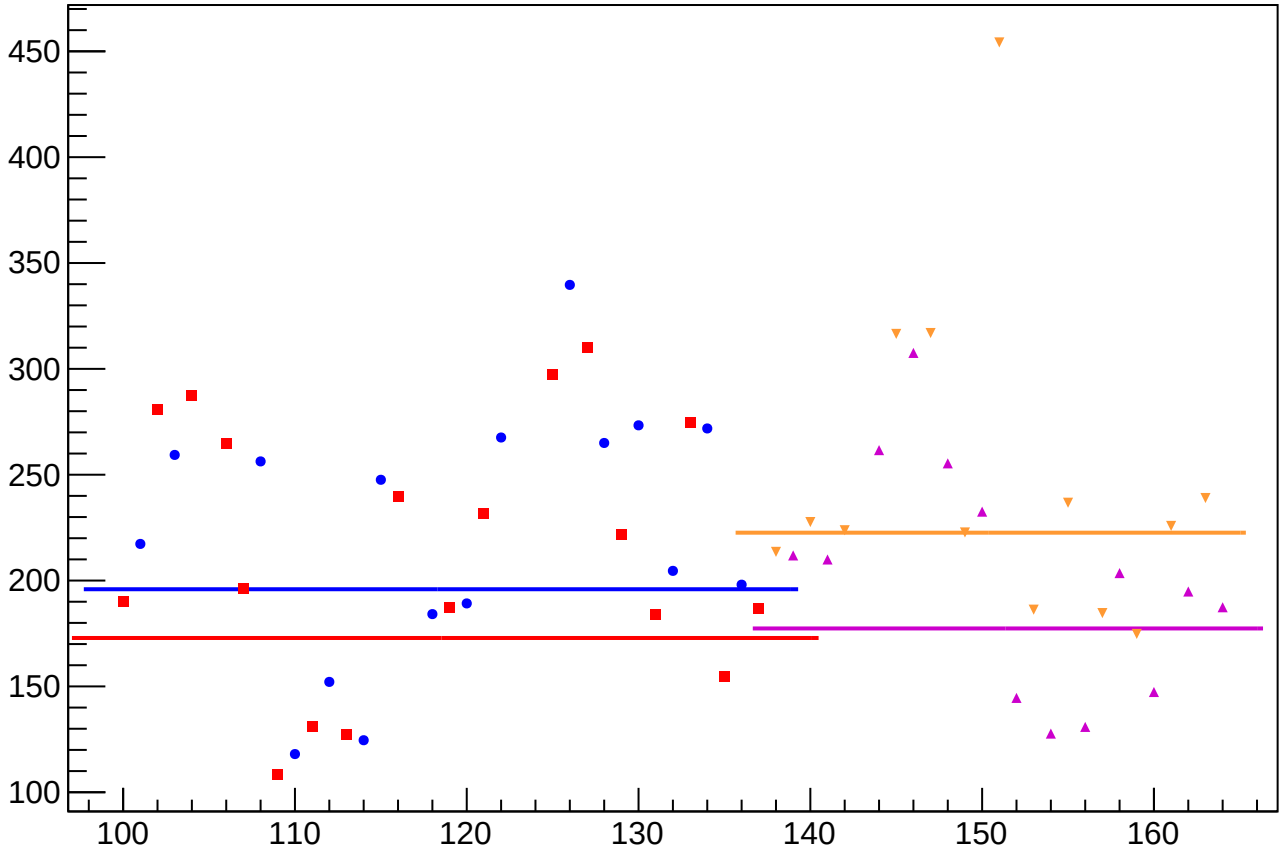
Left In: -139.435+/-57.212 χ^2/NDF:5.6/12

+ sign 77.493+/-52.571 χ^2/NDF: 24.9/28

All: 15.661+/-33.779 χ^2/NDF: 55.0/59

- 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: 222.617+/-0.051 χ^2/NDF:960248.6/12

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

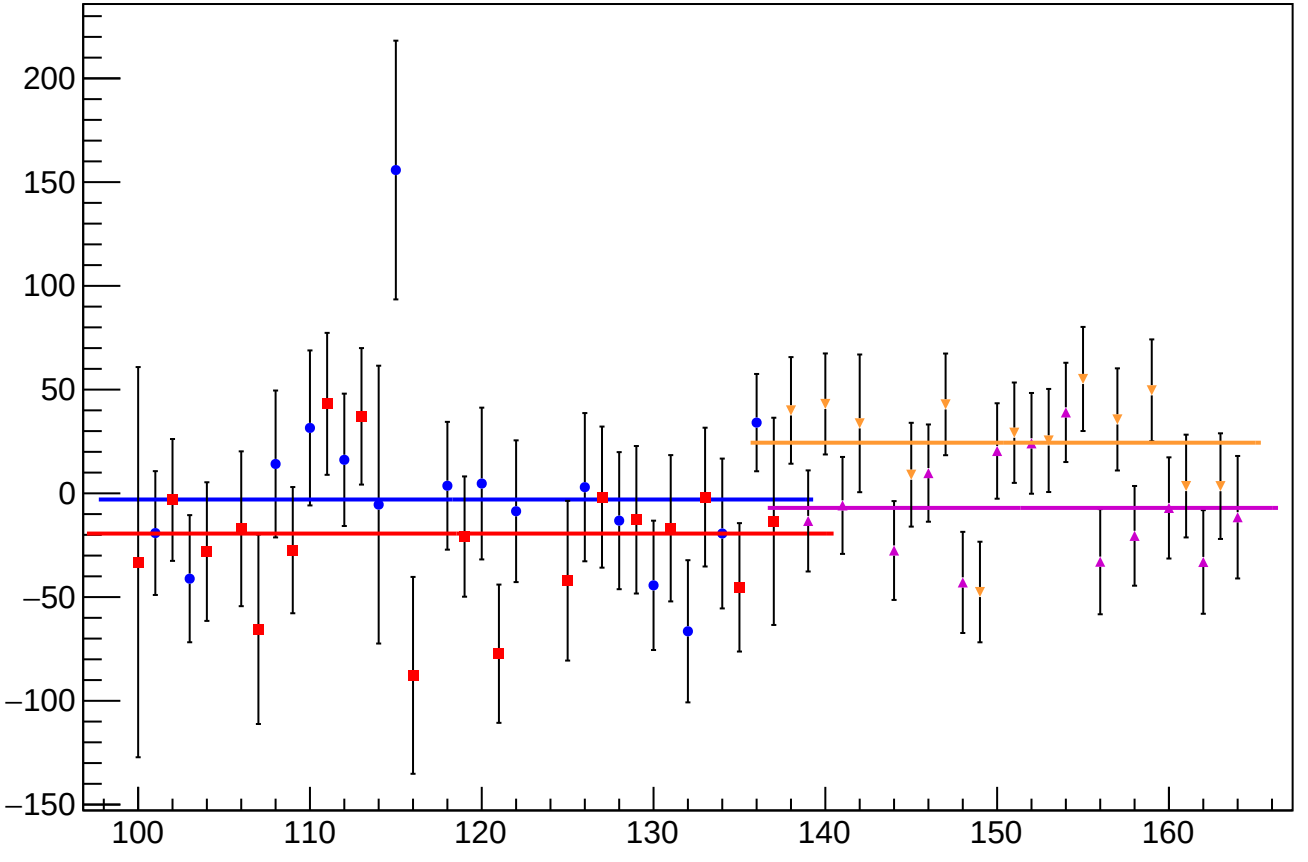
Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

+ sign 210.136+/-0.037 χ^2/NDF: 2099851.6/28

All: 189.827+/-0.024 χ^2/NDF: 5604454.4/59

- 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: 24.408+/-6.988 χ^2/NDF:15.0/12

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

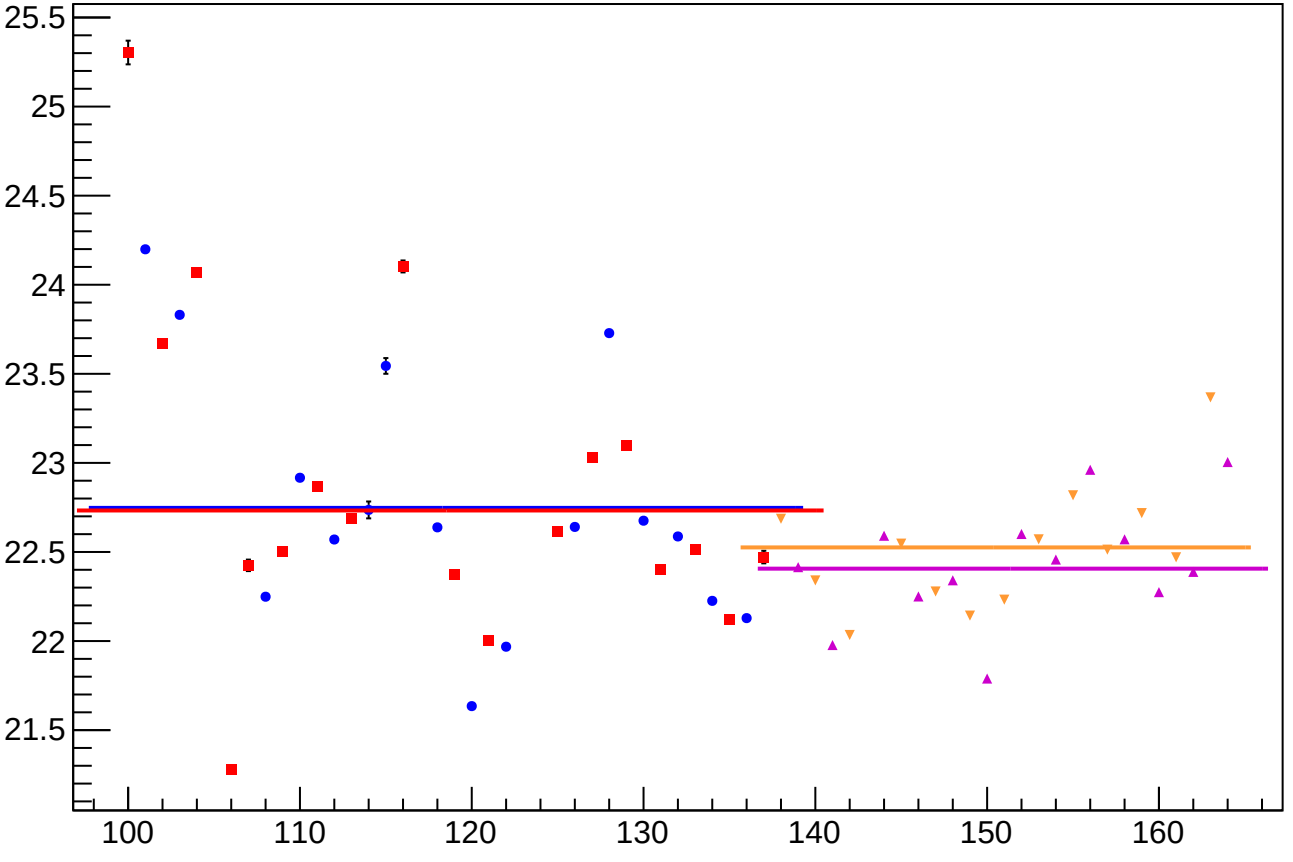
Left In: -7.022+/-6.767 χ^2/NDF:12.7/12

+ sign 13.296+/-5.386 χ^2/NDF: 39.1/28

All: 0.411+/-3.765 χ^2/NDF: 78.9/59

- 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: 22.526+/-0.005 χ^2/NDF:4231.7/12

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

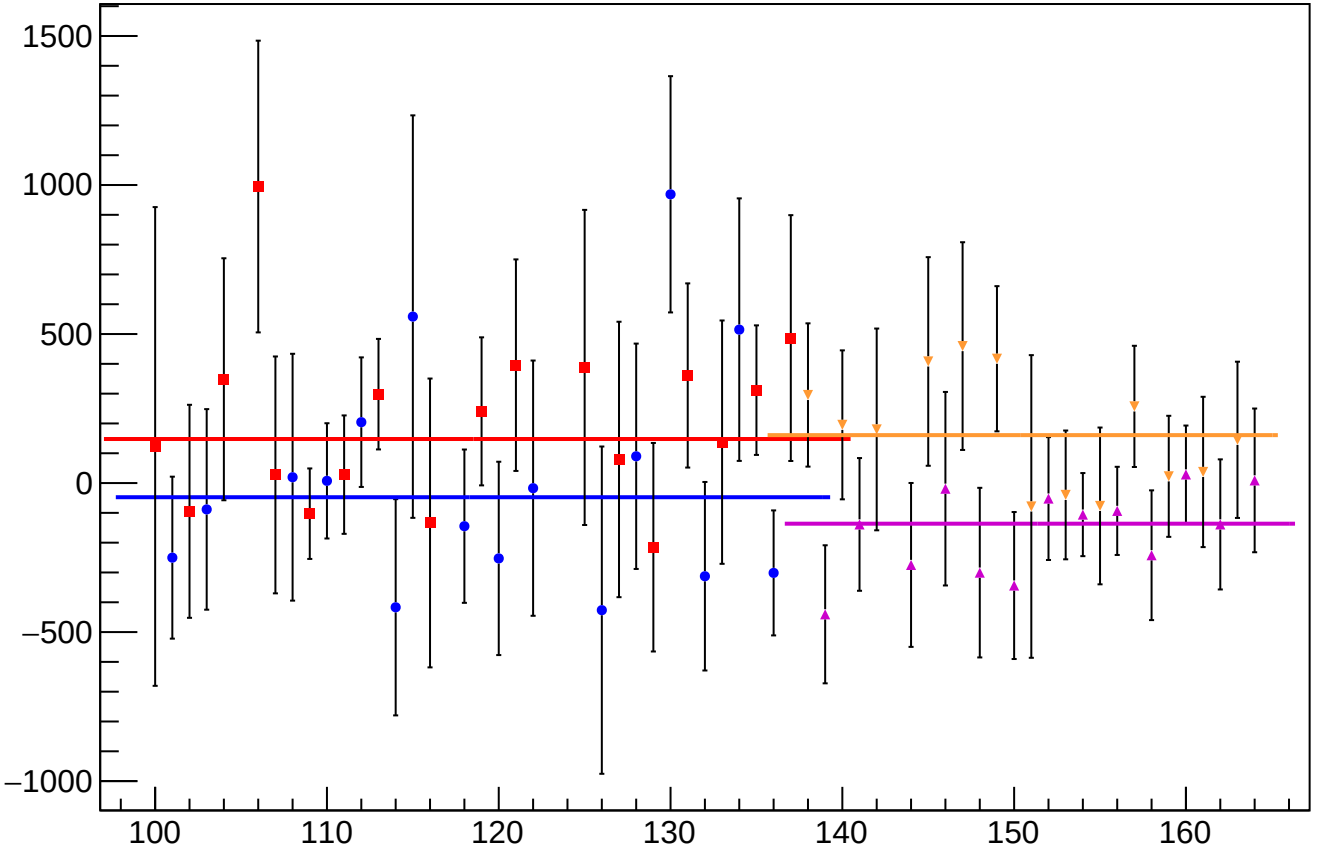
Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

+ sign 22.616+/-0.004 χ^2/NDF: 19673.1/28

All: 22.575+/-0.003 χ^2/NDF: 40535.4/59

- 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: 160.812+/-71.838 χ^2/NDF:5.5/12

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

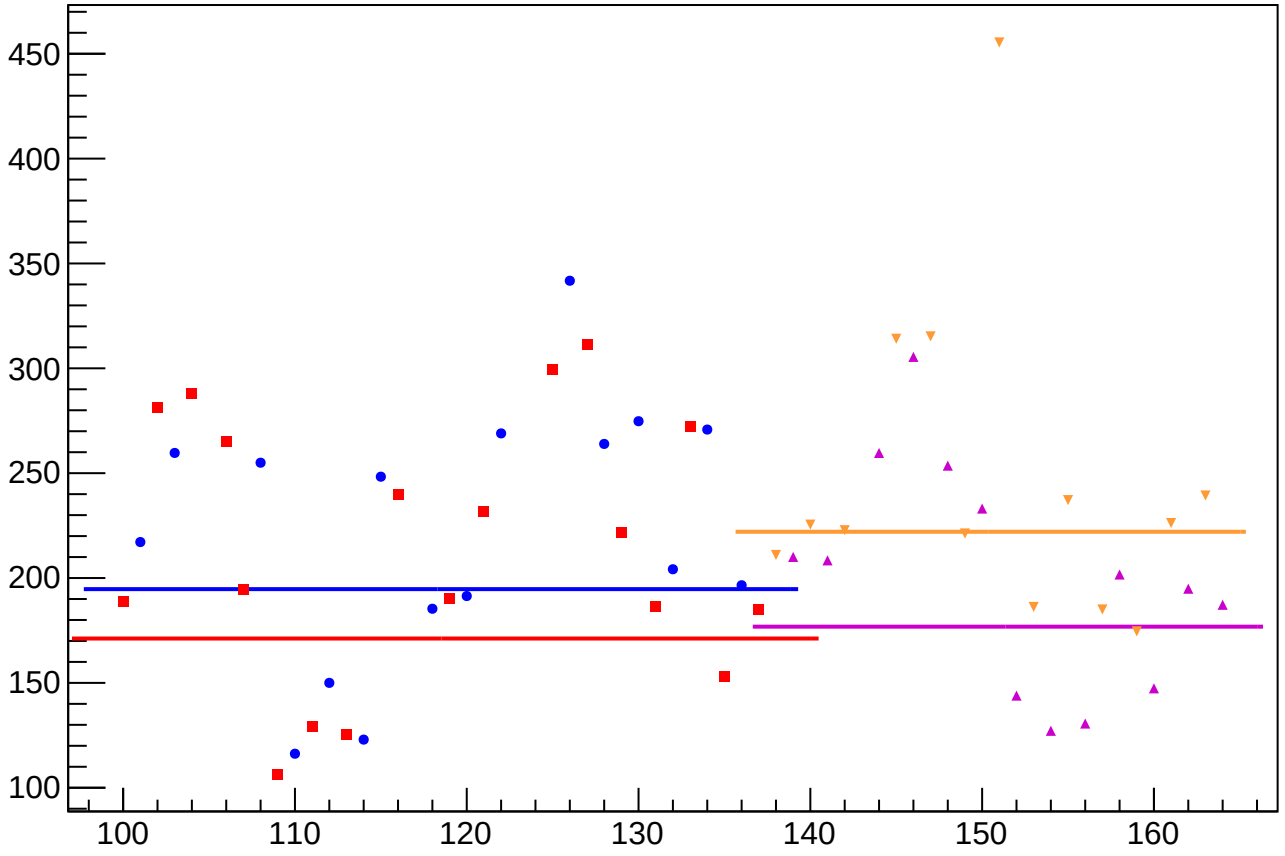
Left In: -136.323+/-57.027 χ^2/NDF:5.1/12

+ sign 63.283+/-52.390 χ^2/NDF: 24.8/28

All: 14.133+/-33.635 χ^2/NDF: 53.1/59

- 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: 222.062+/-0.051 χ^2/NDF:954894.0/12

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

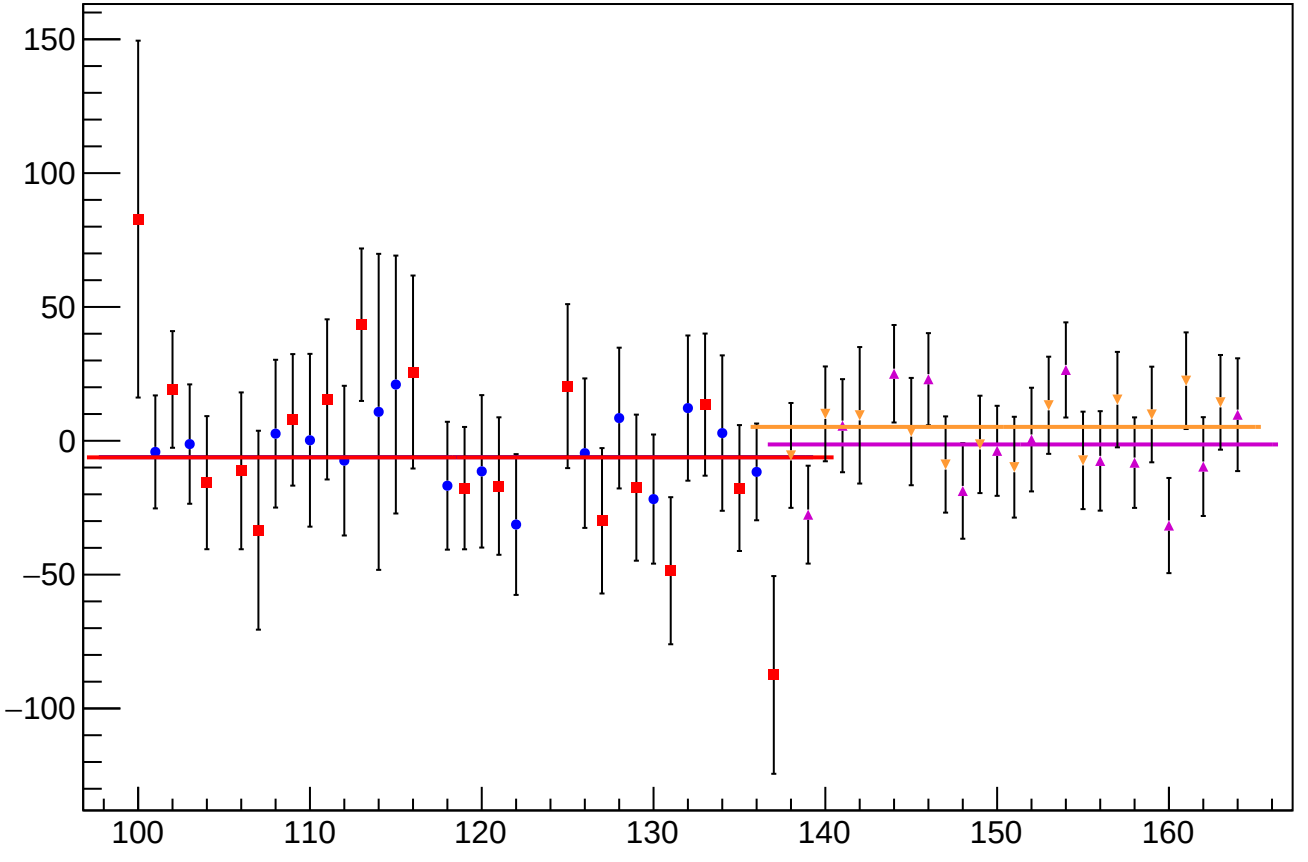
Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

+ sign 209.256+/-0.037 χ^2/NDF: 2142930.3/28

All: 188.827+/-0.024 χ^2/NDF: 5714814.8/59

- 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: 5.191+/-5.174 χ^2/NDF:4.0/12

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

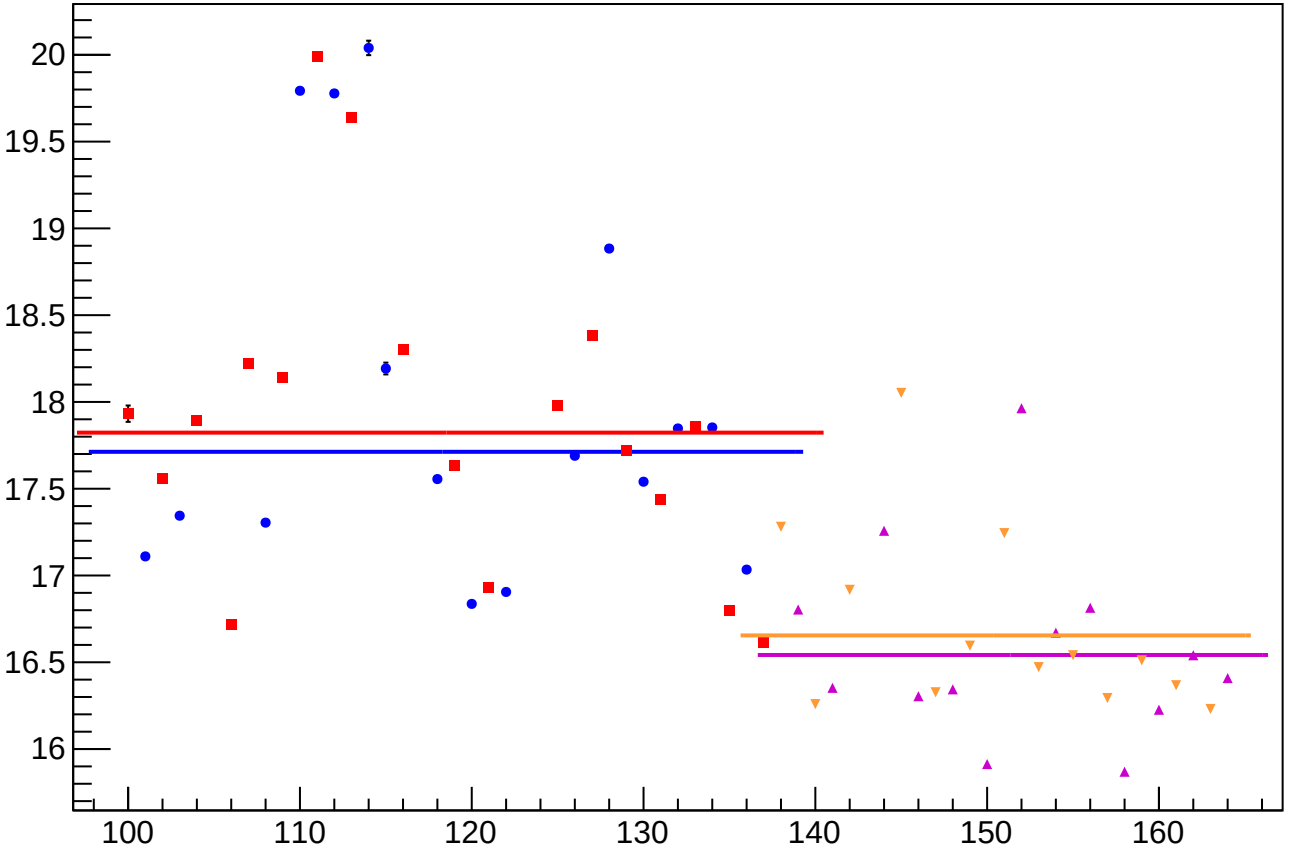
Left In: -1.366+/-5.004 χ^2/NDF:13.4/12

+ sign 0.879+/-4.070 χ^2/NDF: 9.0/28

All: -1.171+/-2.847 χ^2/NDF: 41.9/59

- 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: 16.655+/-0.004 χ^2/NDF:18497.6/12

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

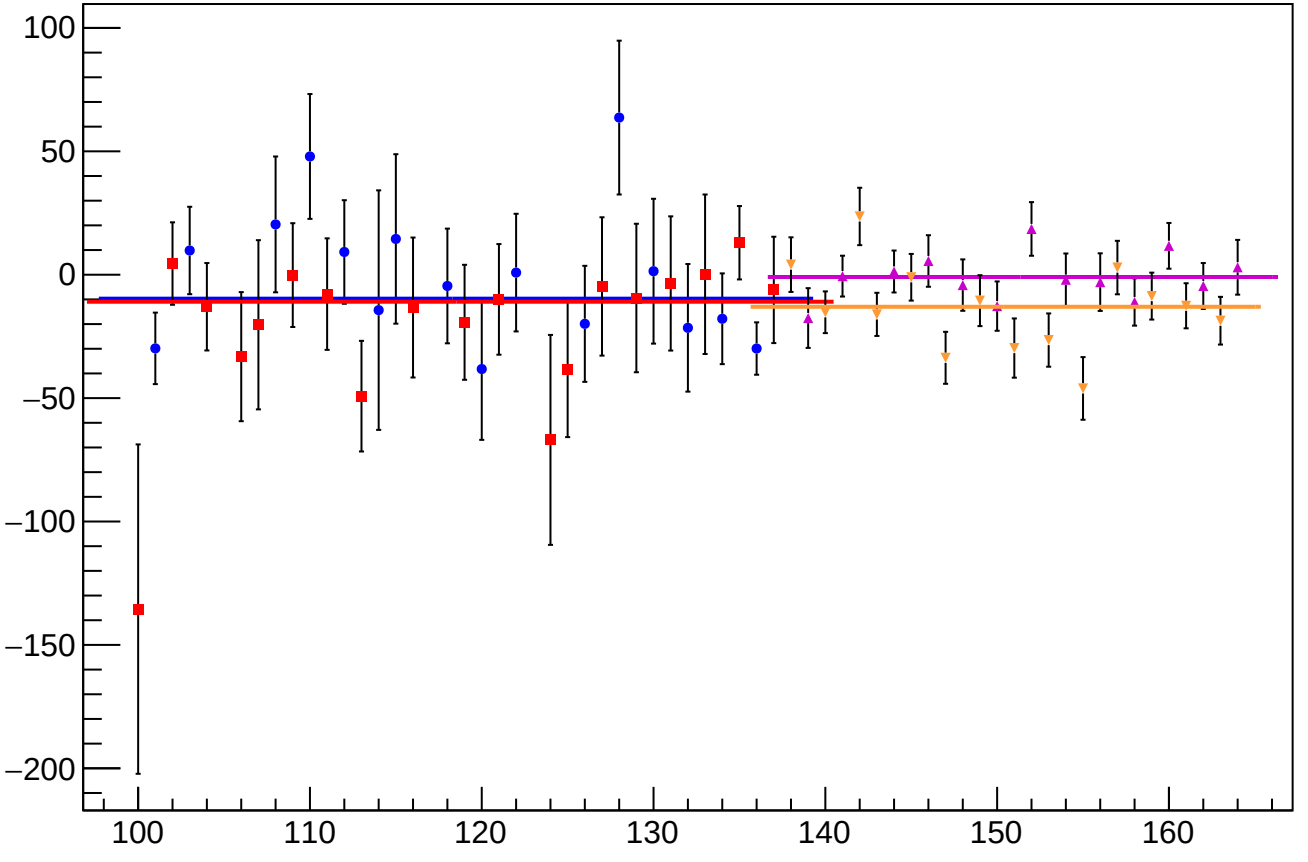
Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

\+ sign 17.058+/-0.003 χ^2/NDF: 86351.5/28

All: 17.034+/-0.002 χ^2/NDF: 189363.4/59

\- 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: -12.989+/-2.709 χ^2/NDF:31.0/13

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

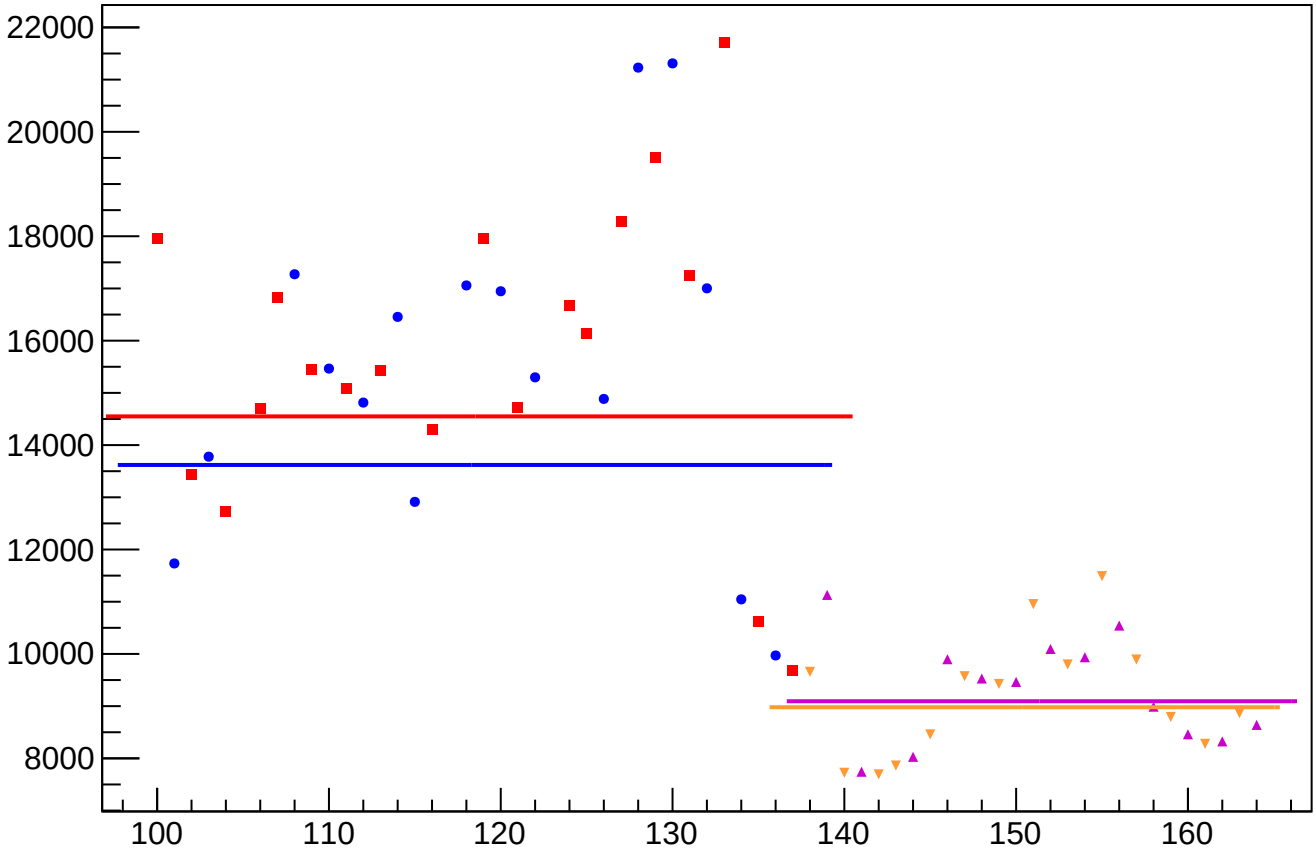
Left In: -0.920+/-2.767 χ^2/NDF:10.3/12

+ sign -12.293+/-2.406 χ^2/NDF: 53.3/29

All: -7.753+/-1.722 χ^2/NDF: 87.7/61

- 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: 8979.147+/-1.916 χ^2/NDF:295874.3/13

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

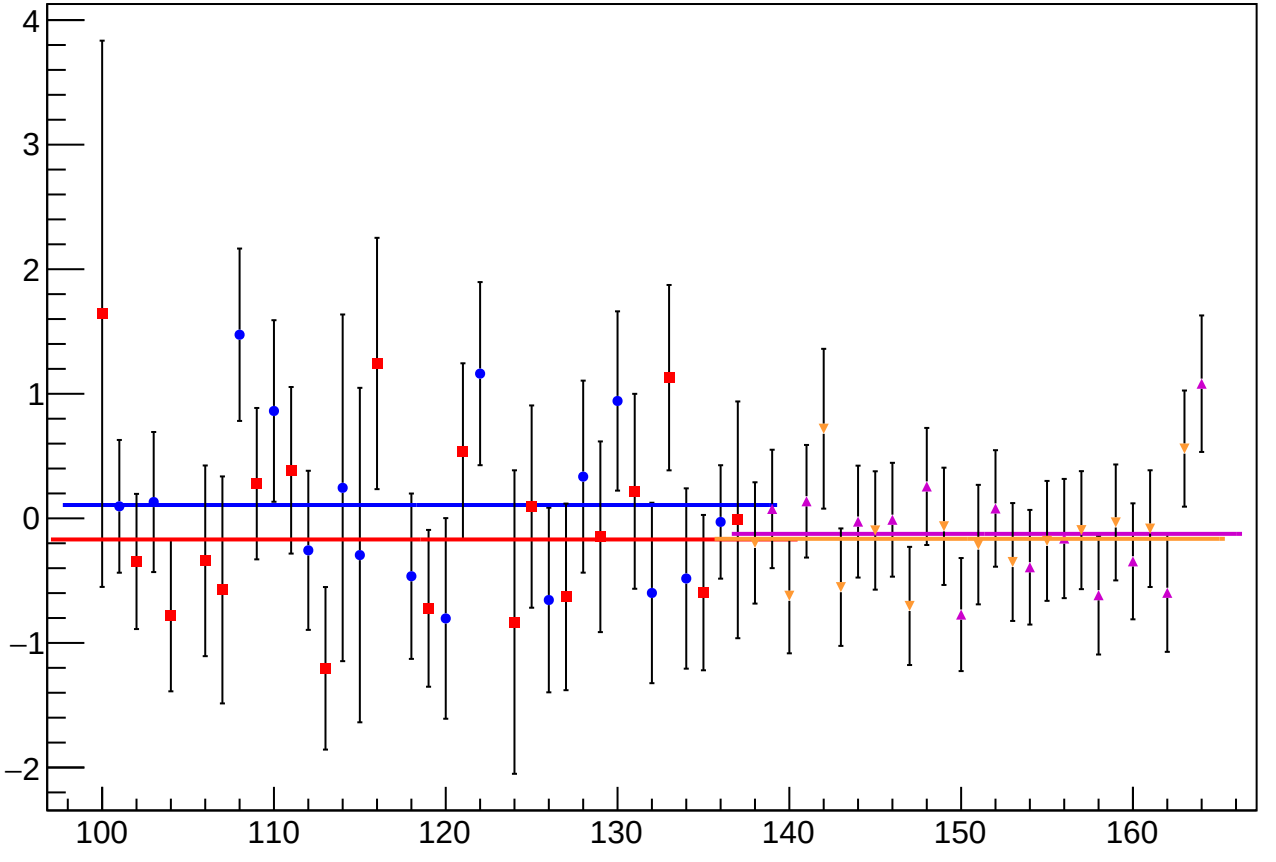
Left In: 9094.299+/-1.957 χ^2/NDF:246393.7/12

+ sign 9960.552+/-1.701 χ^2/NDF: 2283870.1/29

All: 10085.622+/-1.218 χ^2/NDF: 4696854.3/6

- 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: -0.164+/-0.128 χ^2/NDF:7.6/13

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

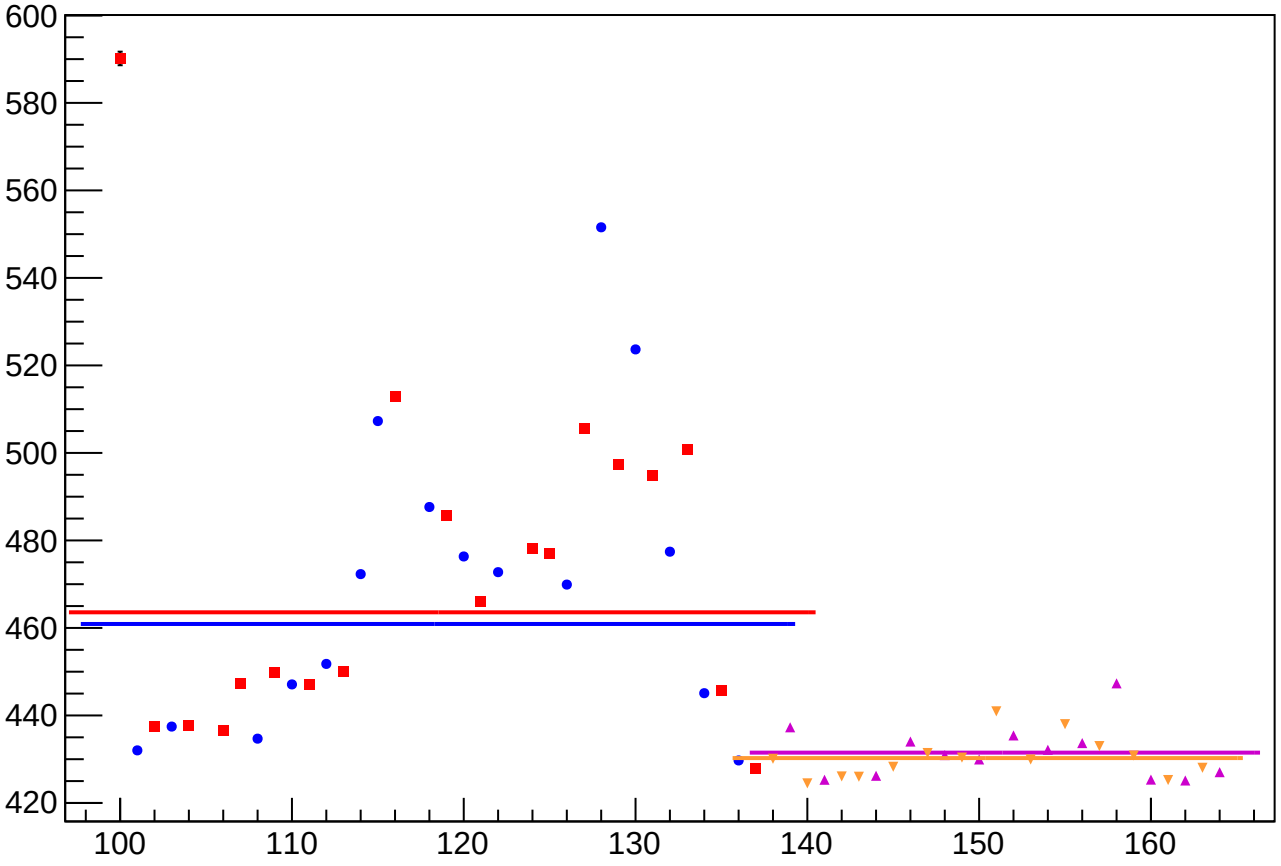
Left In: -0.124+/-0.130 χ^2/NDF:11.0/12

+ sign -0.067+/-0.103 χ^2/NDF: 22.9/29

All: -0.104+/-0.073 χ^2/NDF: 48.3/61

- 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: 430.257+/-0.091 χ^2/NDF:2464.3/13

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

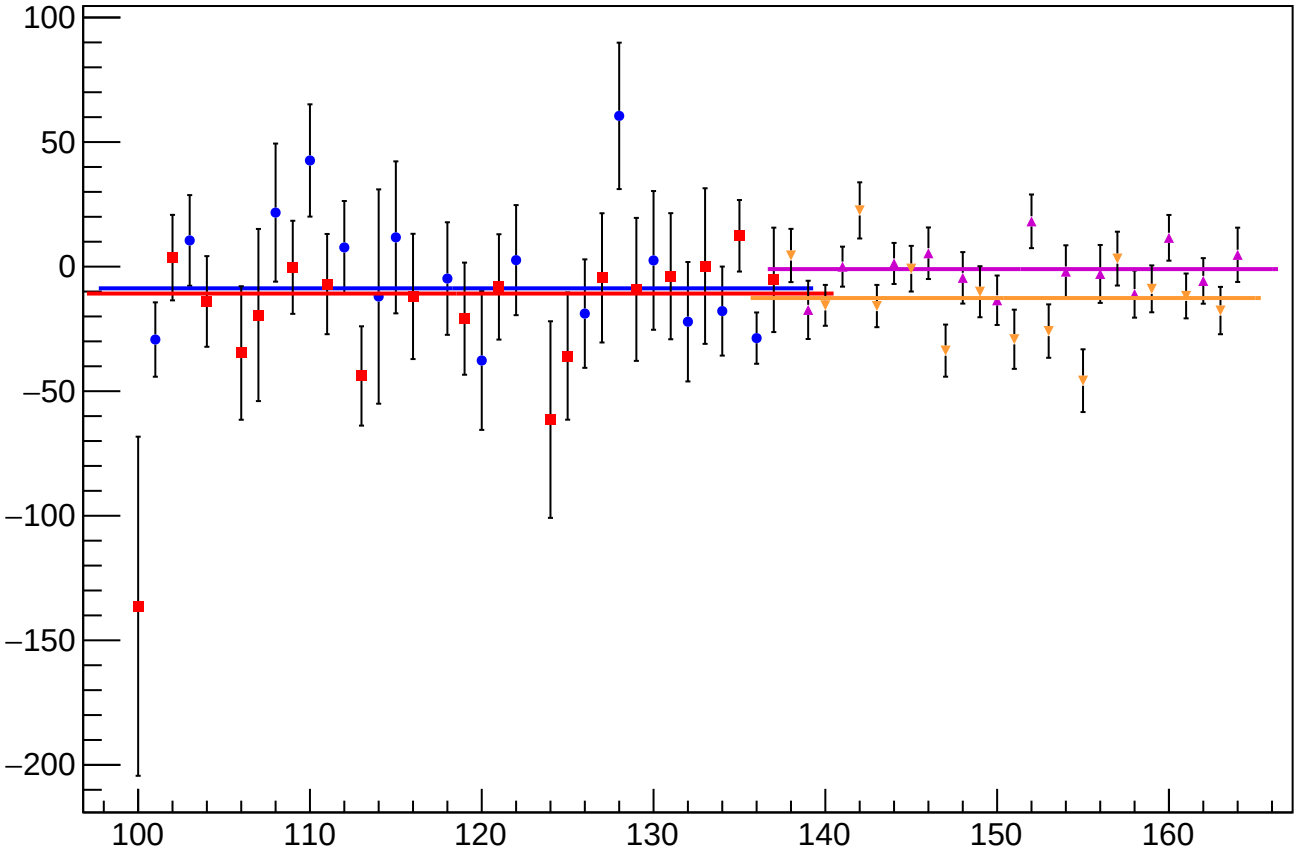
Left In: 431.503+/-0.092 χ^2/NDF:4280.0/12

\+ sign 441.259+/-0.073 χ^2/NDF: 118243.0/29

All: 442.335+/-0.052 χ^2/NDF: 220165.2/61

\- 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: -12.611+/-2.660 χ^2/NDF:31.3/13

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

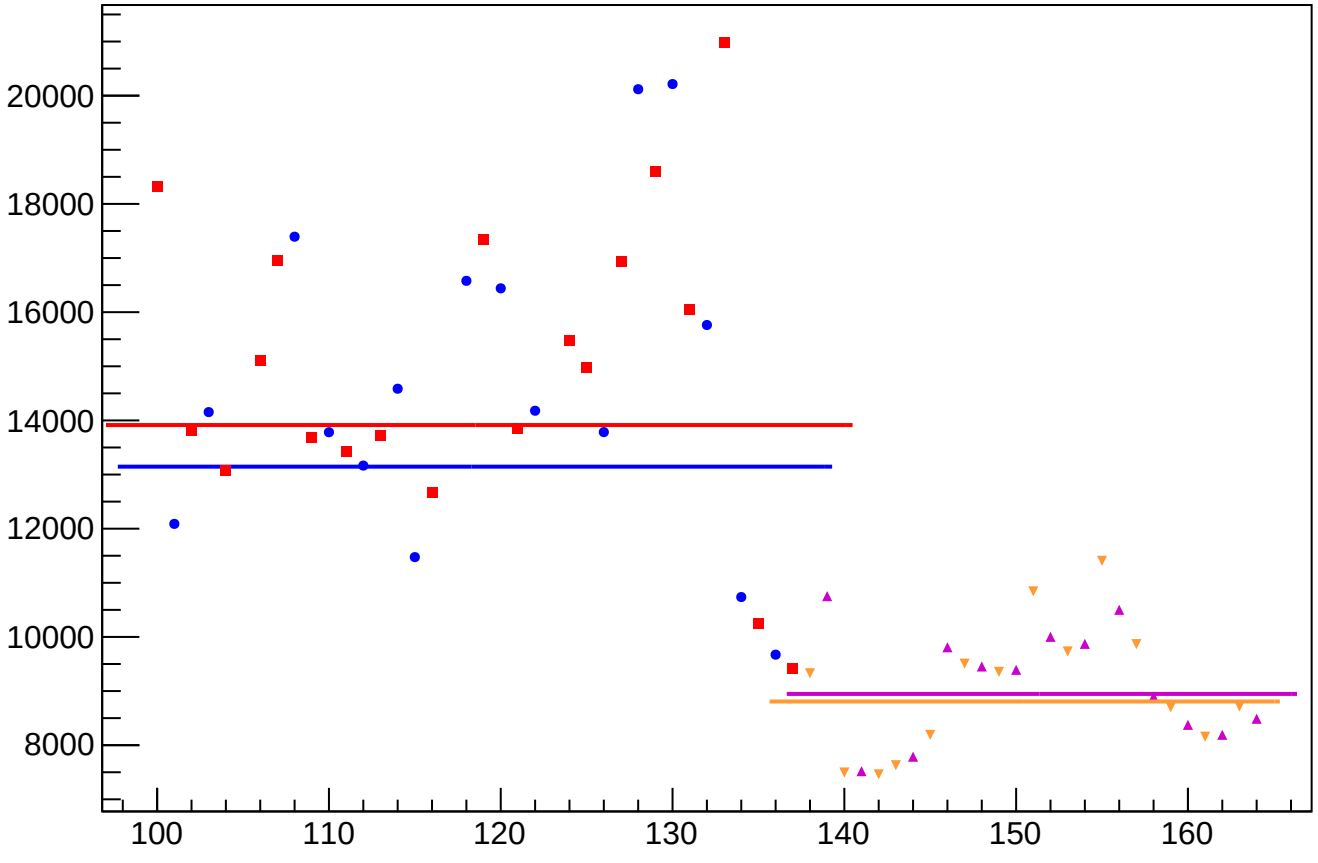
Left In: -0.991+/-2.724 χ^2/NDF:10.9/12

+ sign -11.759+/-2.352 χ^2/NDF: 54.1/29

All: -7.544+/-1.684 χ^2/NDF: 88.2/61

- 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: 8807.256+/-1.881 χ^2/NDF:335468.2/13

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

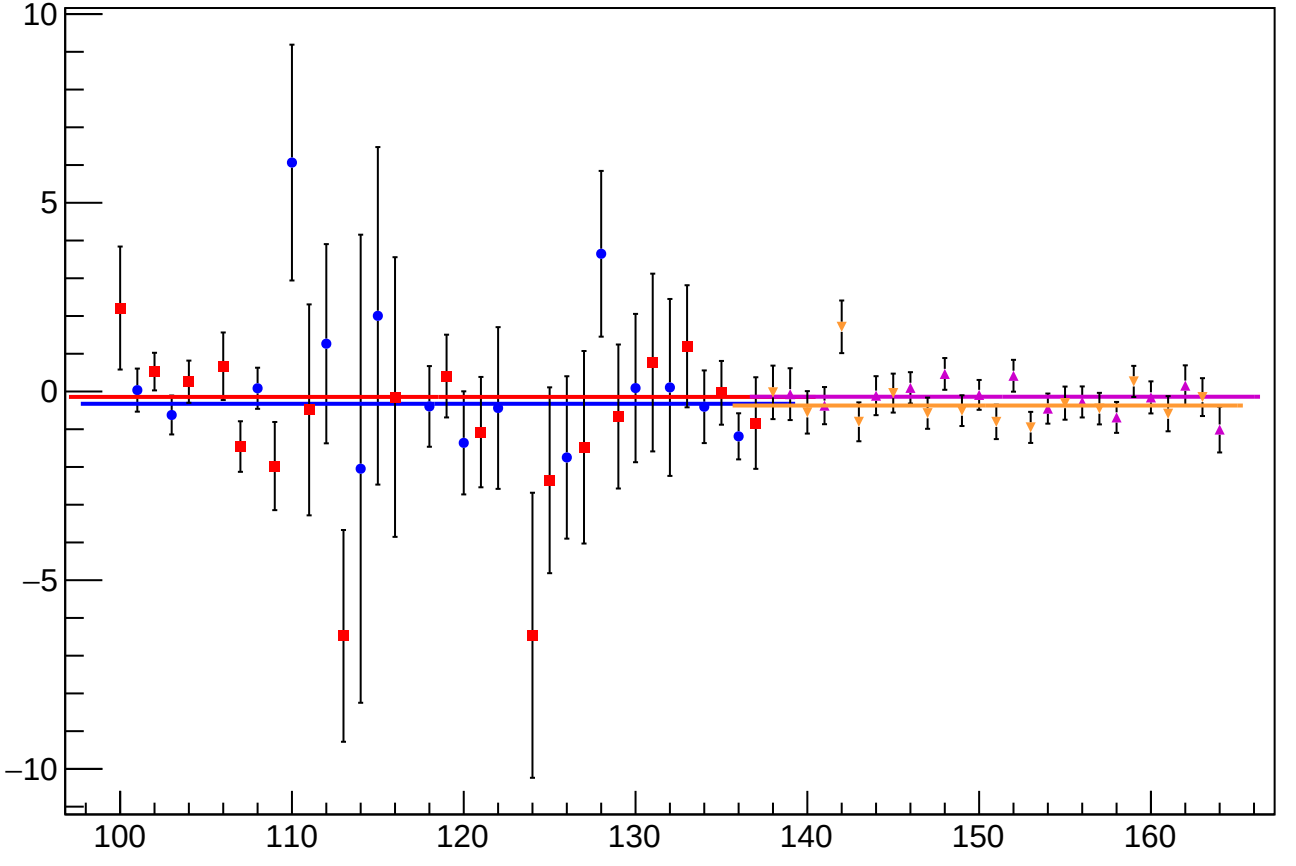
Left In: 8947.253+/-1.926 χ^2/NDF:268513.2/12

+ sign 9753.706+/-1.663 χ^2/NDF: 2178804.9/29

All: 9883.290+/-1.191 χ^2/NDF: 4406606.9/61

- 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: -0.372+/-0.126 χ^2/NDF:16.5/13

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

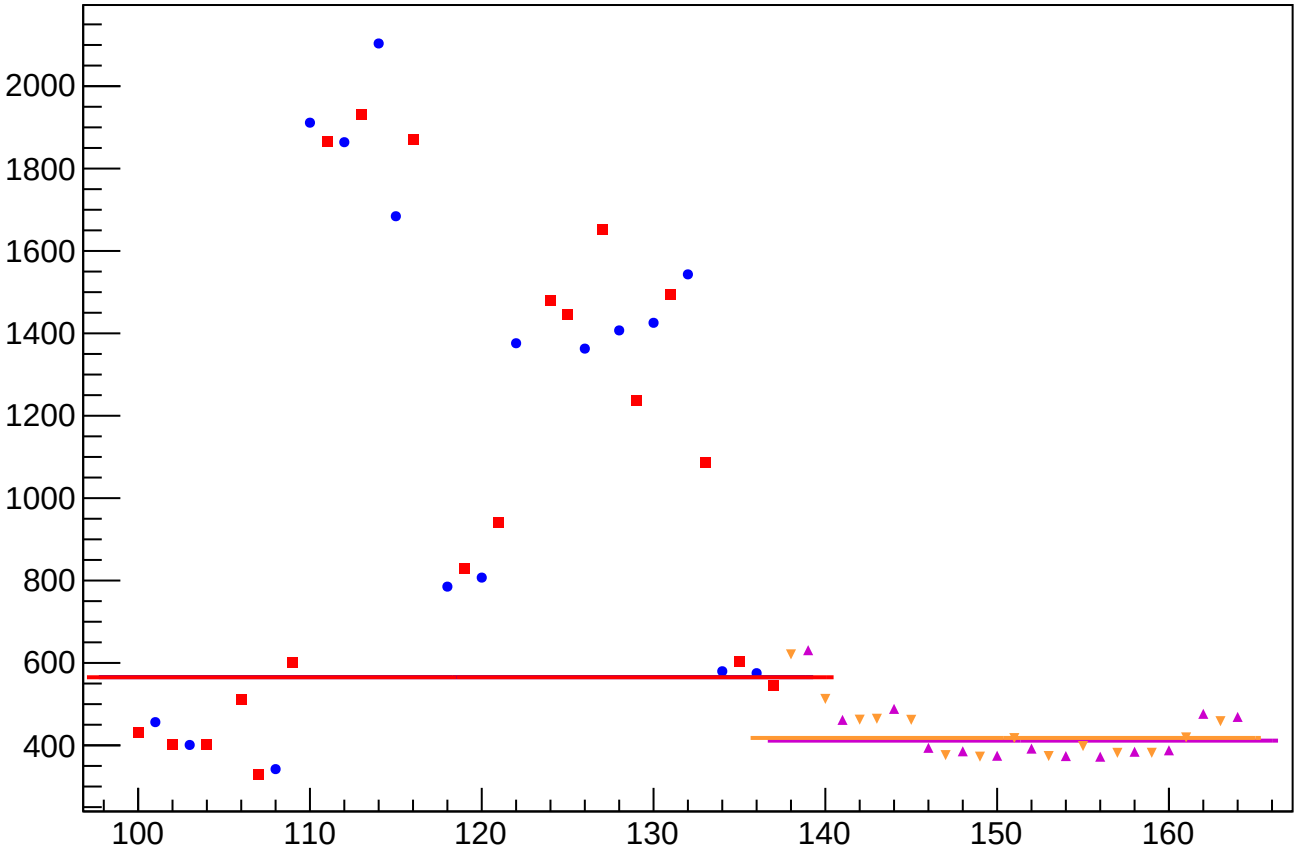
Left In: -0.139+/-0.126 χ^2/NDF:9.2/12

+ sign -0.362+/-0.112 χ^2/NDF: 29.1/29

All: -0.251+/-0.079 χ^2/NDF: 62.8/61

- 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: 417.936+/-0.089 χ^2/NDF:374949.1/13

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

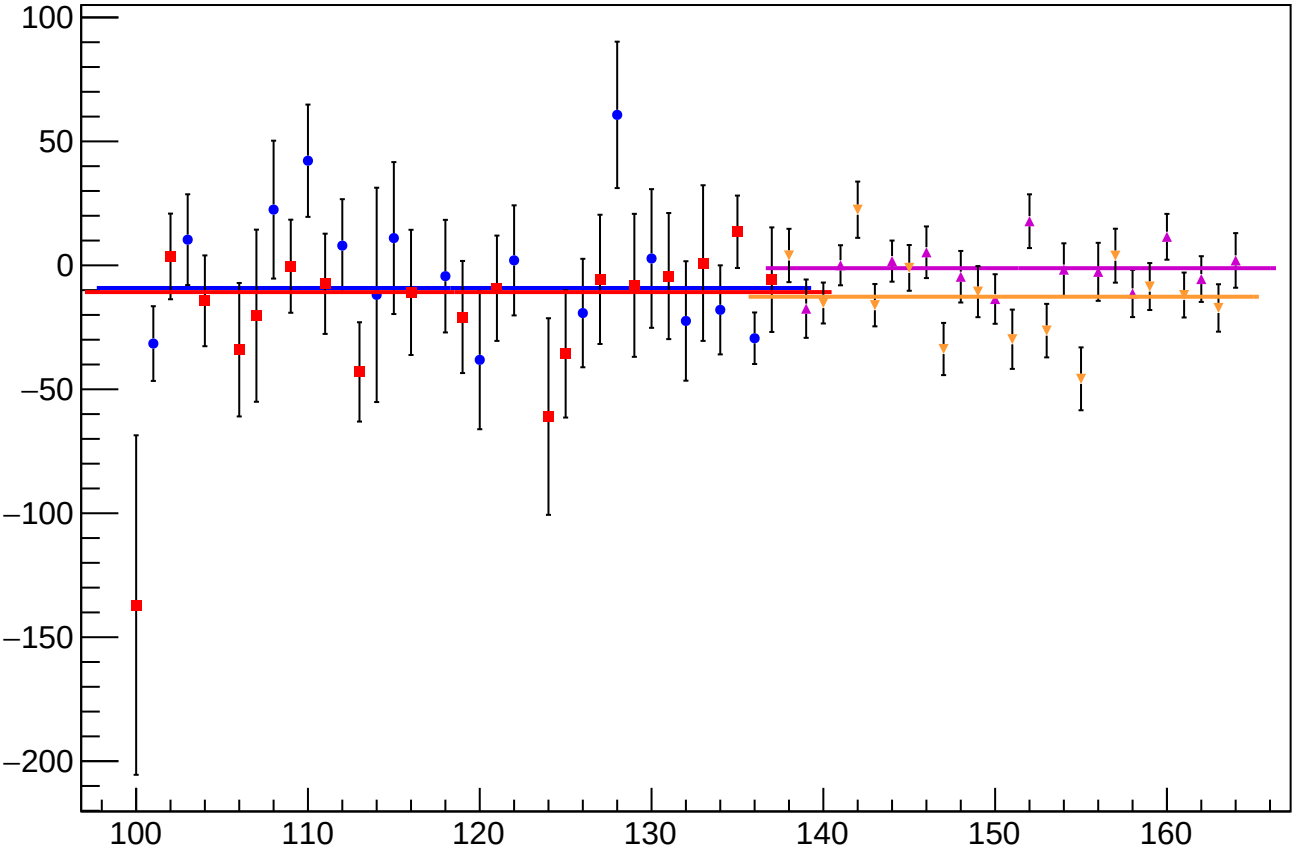
Left In: 411.385+/-0.089 χ^2/NDF:399961.0/12

+ sign 449.101+/-0.079 χ^2/NDF: 4402169.7/29

All: 446.324+/-0.056 χ^2/NDF: 9003008.4/61

- 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: -12.660+/-2.677 χ^2/NDF:31.1/13

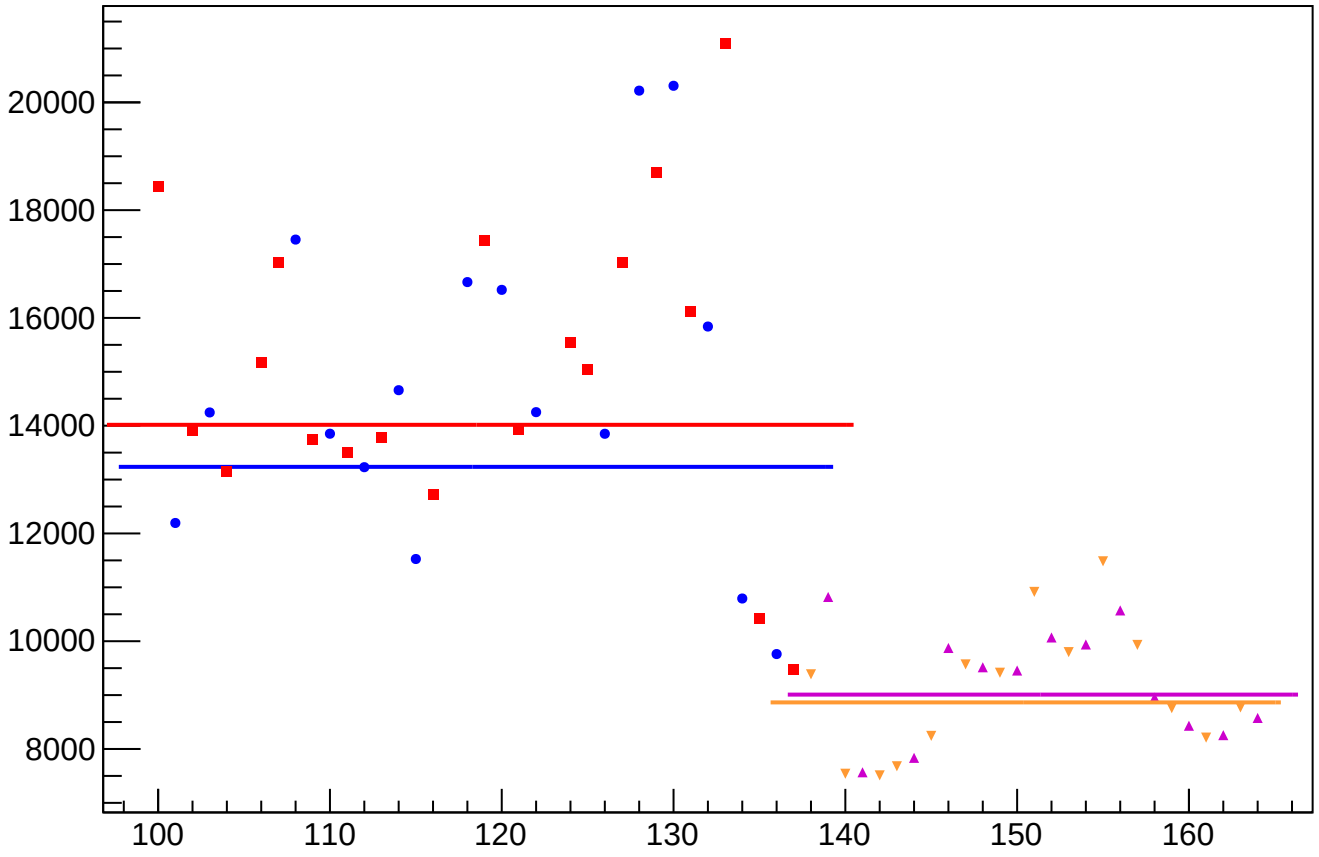
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.143+/-2.743 χ^2/NDF:10.5/12

+ sign -11.890+/-2.367 χ^2/NDF: 54.2/29

All: -7.669+/-1.695 χ^2/NDF: 87.6/61

- 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: 8864.343+/-1.893 χ^2/NDF:336096.6/13

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

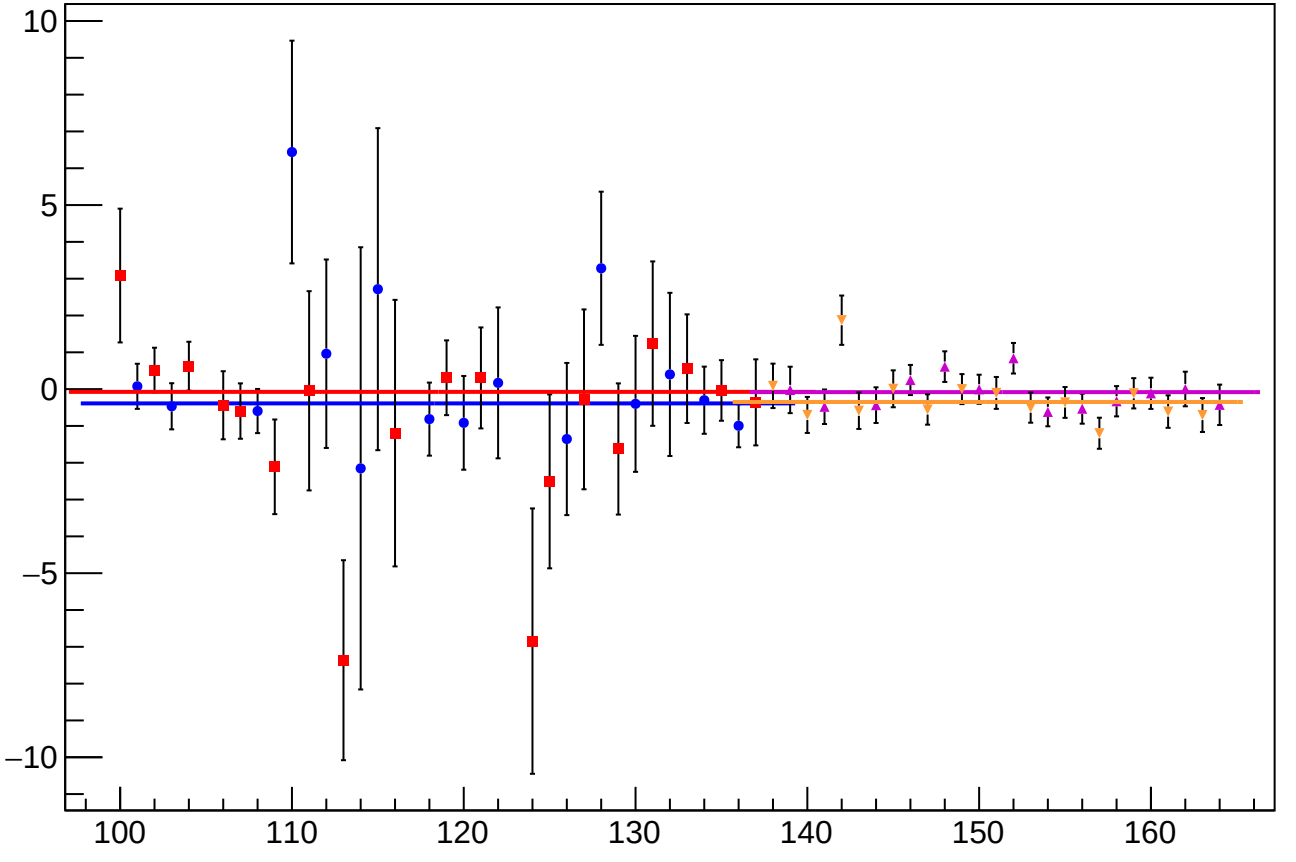
Left In: 9009.045+/-1.939 χ^2/NDF:268110.5/12

+ sign 9817.735+/-1.674 χ^2/NDF: 2172916.6/29

All: 9950.328+/-1.199 χ^2/NDF: 4391293.3/61

- 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+/-0.122 χ^2/NDF:19.6/13

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

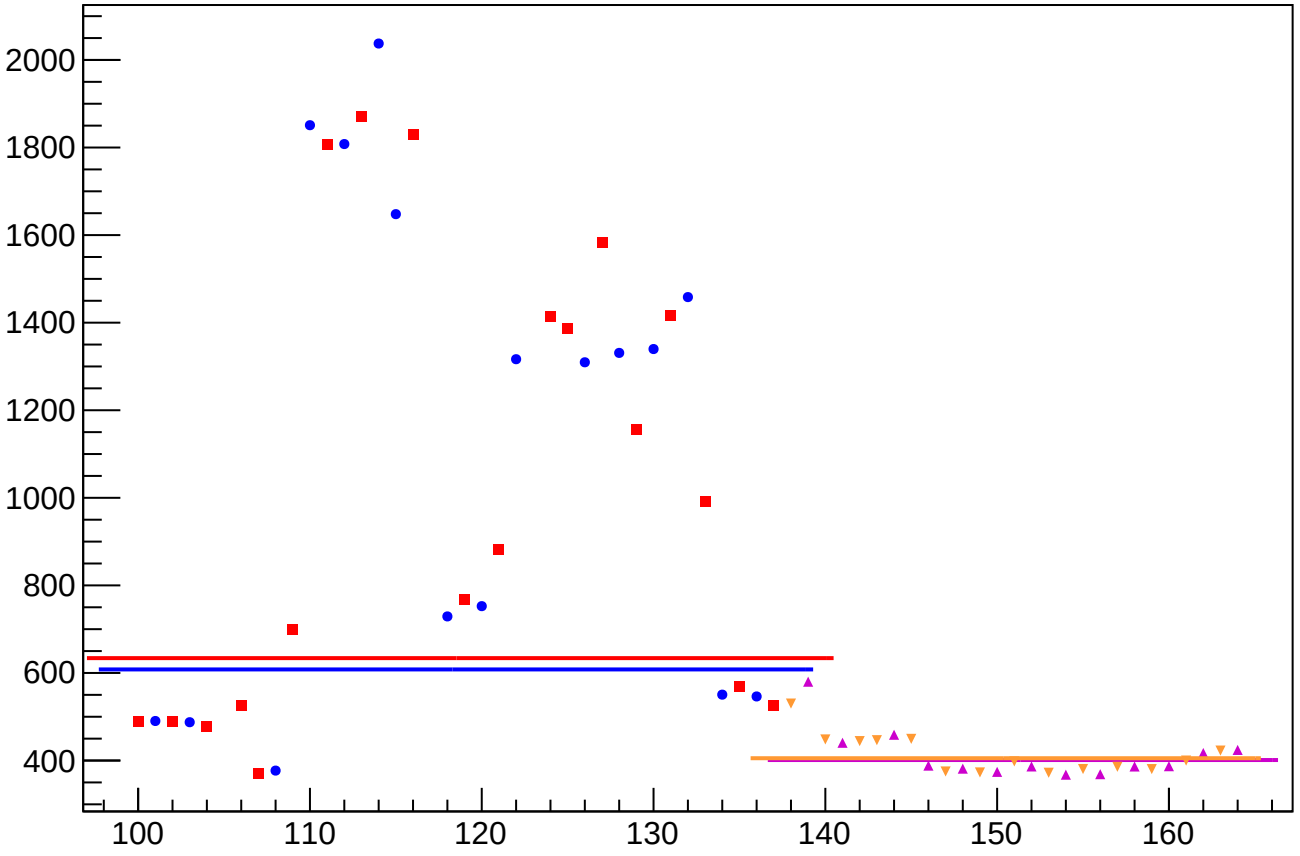
Left In: -0.081+/-0.122 χ^2/NDF:13.5/12

+ sign -0.357+/-0.110 χ^2/NDF: 31.2/29

All: -0.219+/-0.078 χ^2/NDF: 69.6/61

- 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: 405.279+/-0.086 χ^2/NDF:196036.4/13

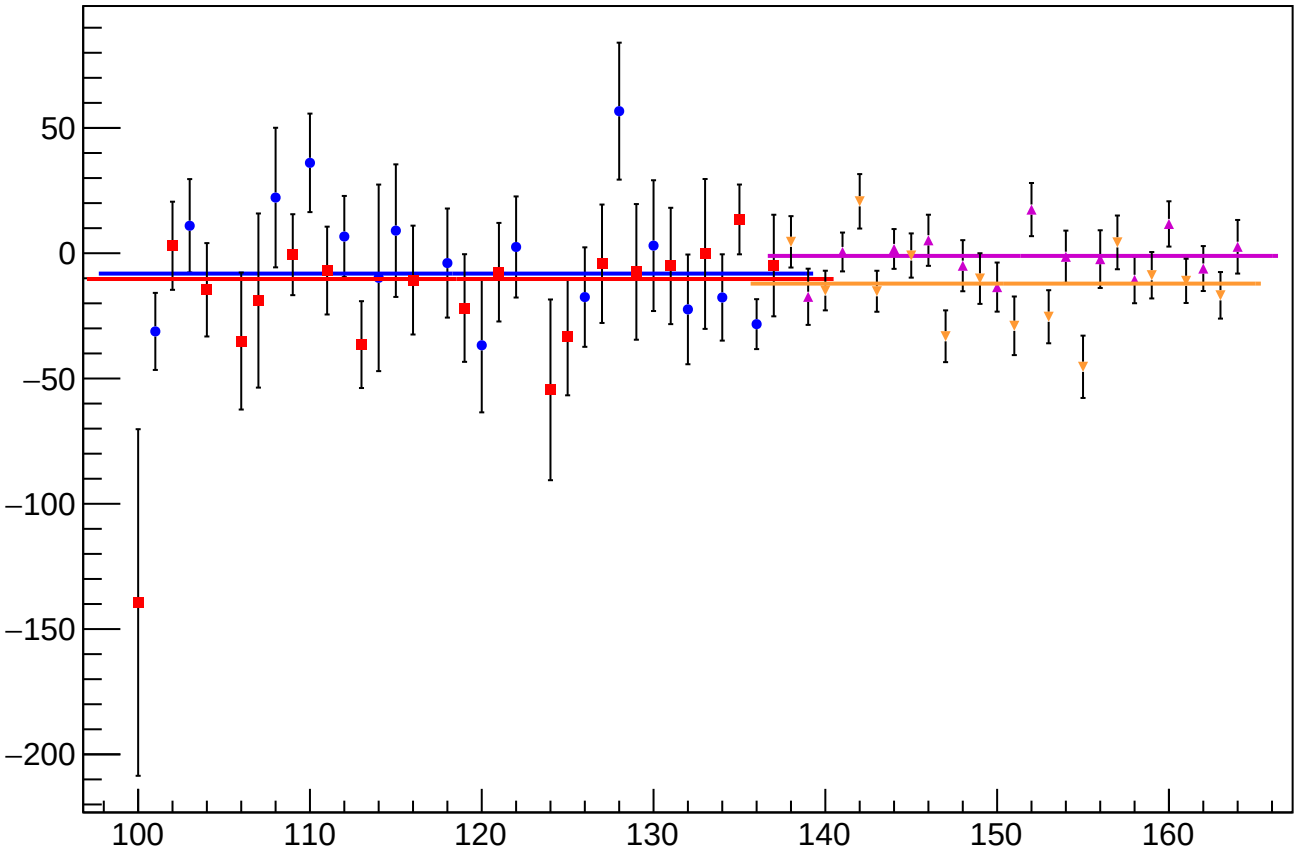
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 401.148+/-0.086 χ^2/NDF:259579.4/12

+ sign 442.749+/-0.078 χ^2/NDF: 4074182.6/29

All: 442.377+/-0.055 χ^2/NDF: 8398737.4/61

- sign 441.998+/-0.078 χ^2/NDF: 4324508.4/31



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.127+/-2.596 χ^2/NDF:31.3/13

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

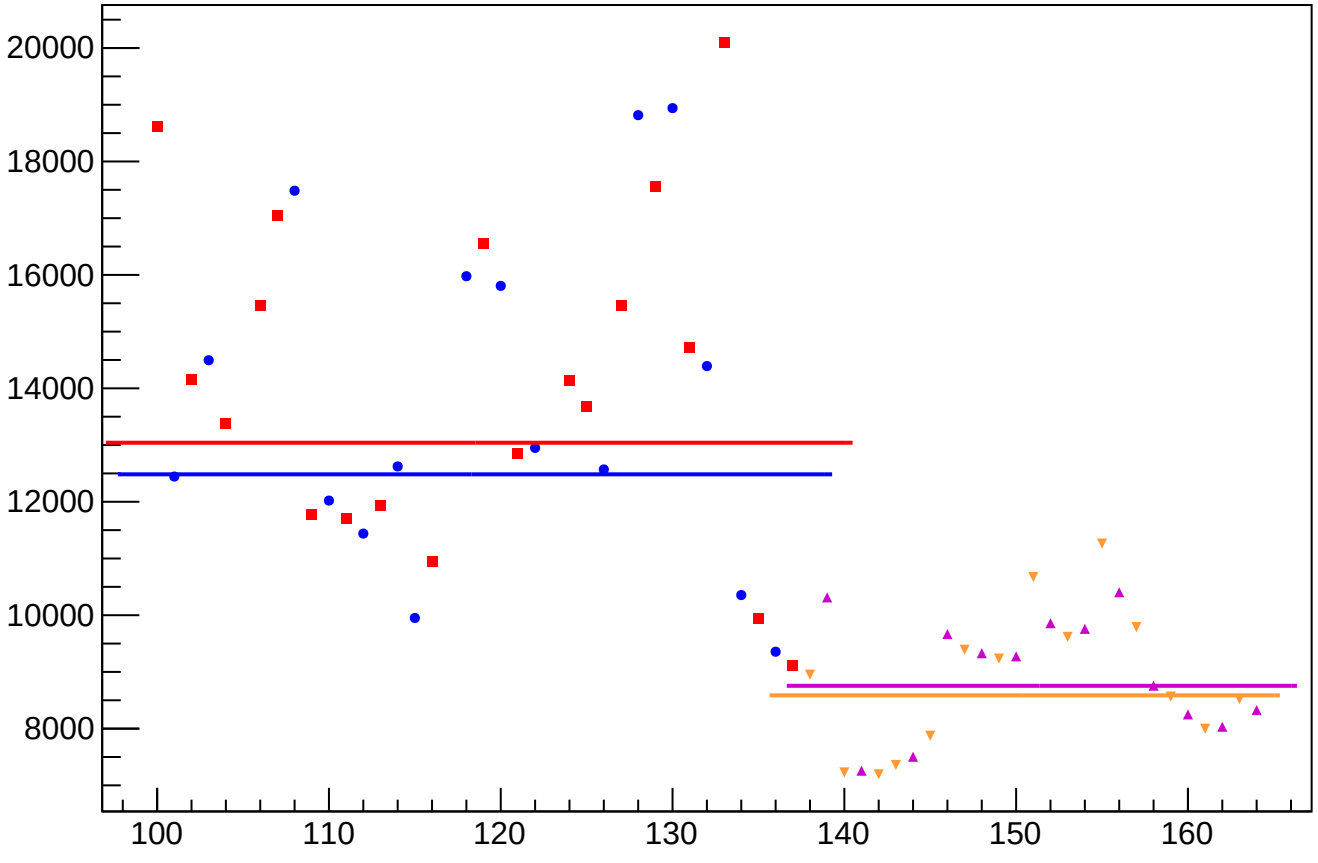
Left In: -1.070+/-2.667 χ^2/NDF:10.9/12

+ sign -11.217+/-2.281 χ^2/NDF: 55.0/29

All: -7.306+/-1.633 χ^2/NDF: 88.4/61

- 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: 8586.741+/-1.836 χ^2/NDF:382092.8/13

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

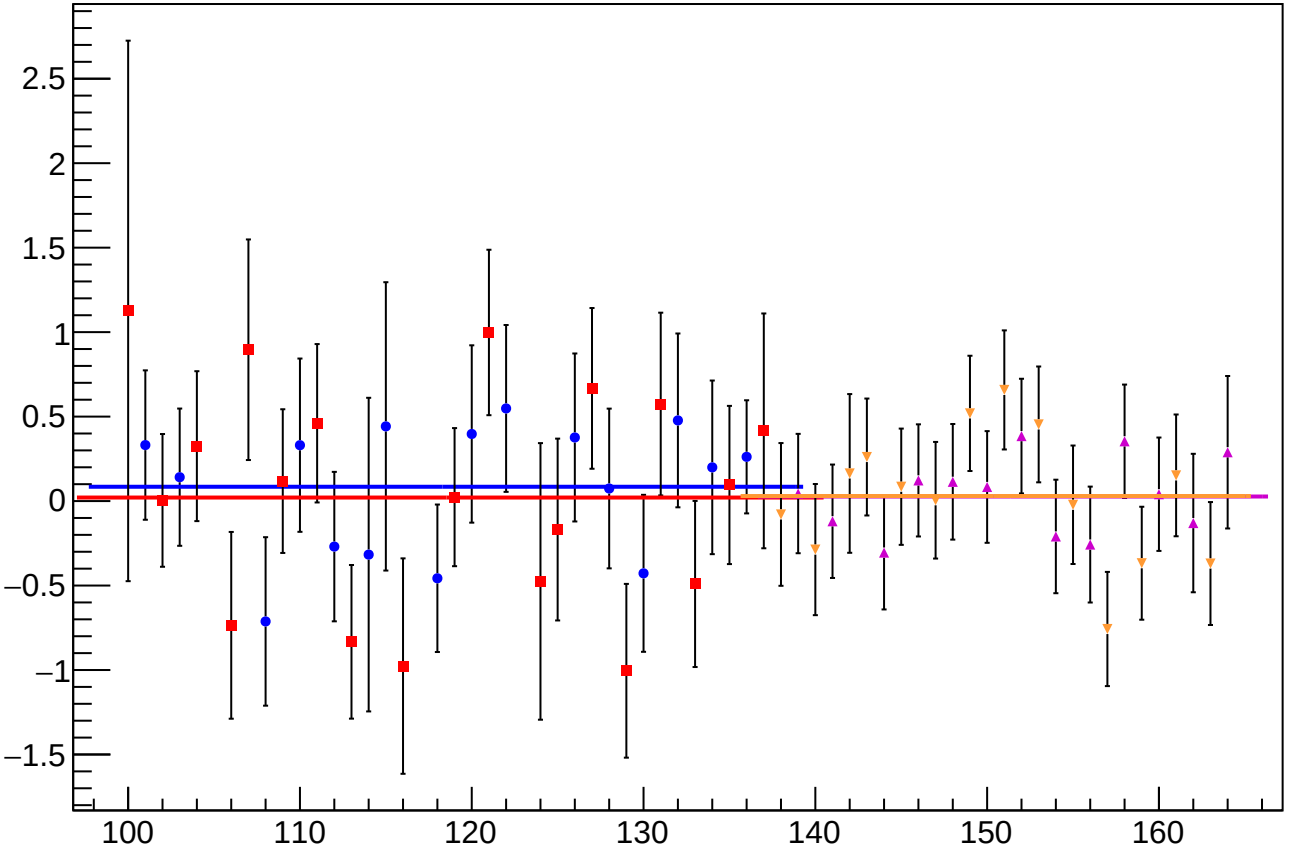
Left In: 8755.284+/-1.886 χ^2/NDF:294291.1/12

+ sign 9474.842+/-1.613 χ^2/NDF: 2080563.4/29

All: 9605.578+/-1.155 χ^2/NDF: 4123203.1/61

- 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: 0.030+/-0.096 χ^2/NDF:16.2/13

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

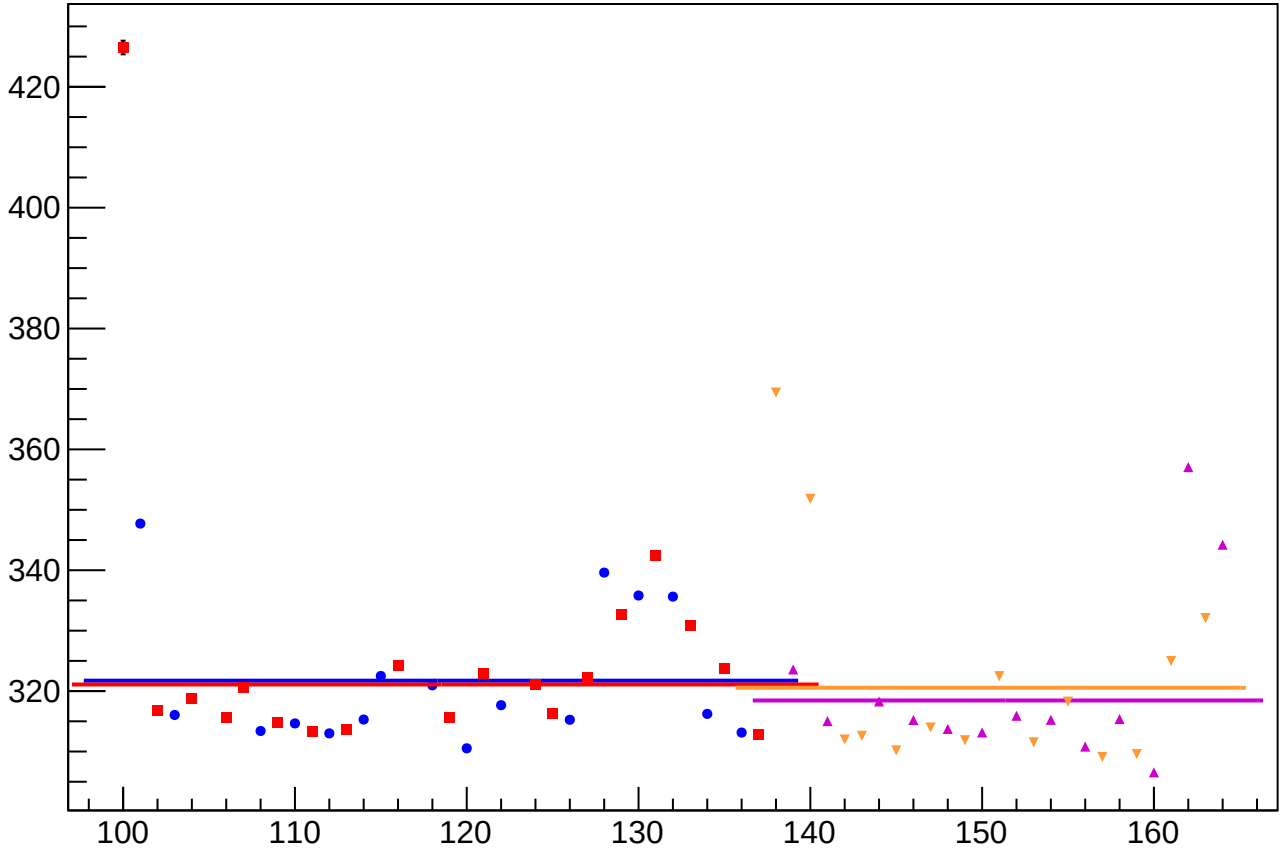
Left In: 0.027+/-0.097 χ^2/NDF:5.1/12

+ sign 0.051+/-0.075 χ^2/NDF: 25.7/29

All: 0.038+/-0.053 χ^2/NDF: 55.2/61

- 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: 320.561+/-0.068 χ^2/NDF:53553.1/13

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

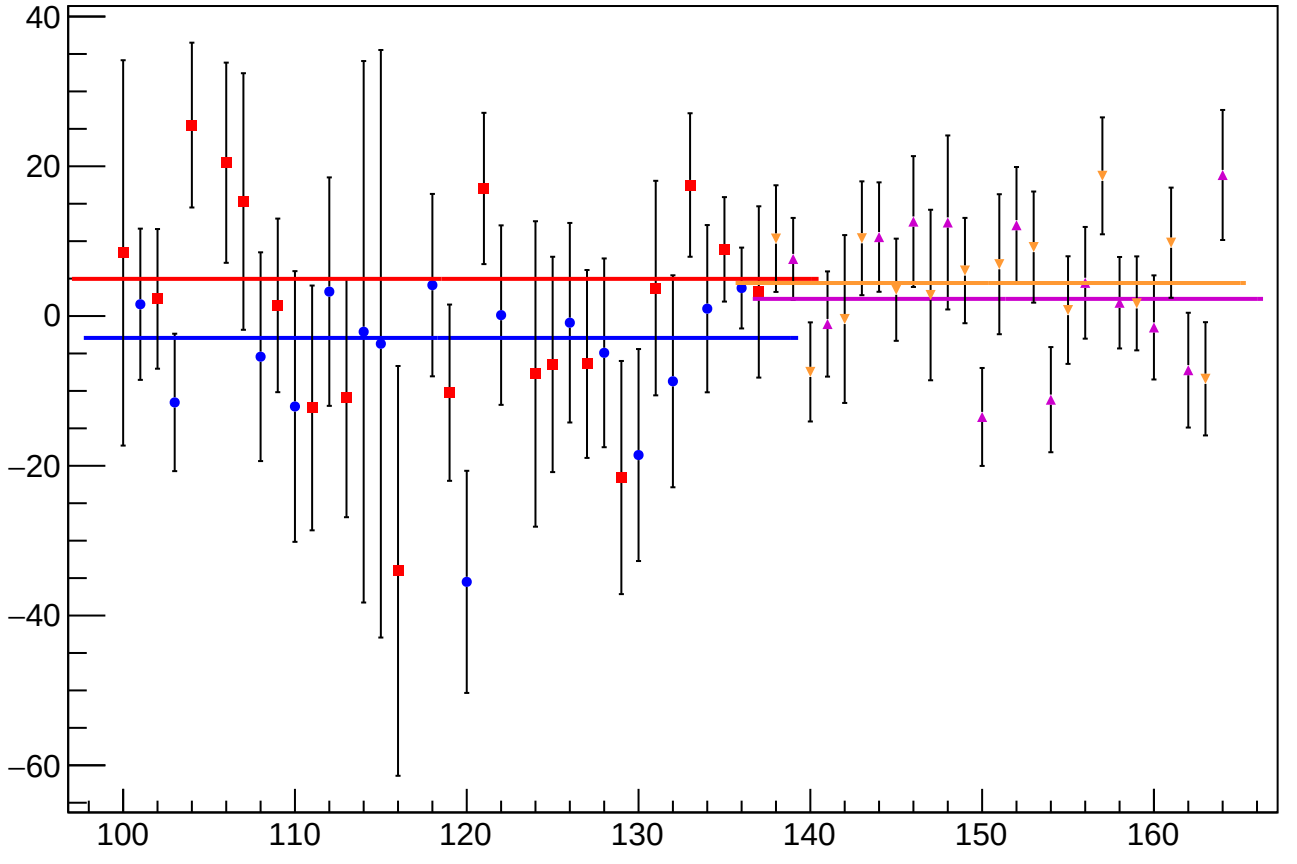
Left In: 318.450+/-0.068 χ^2/NDF:29966.3/12

+ sign 321.016+/-0.053 χ^2/NDF: 71882.6/29

All: 320.262+/-0.037 χ^2/NDF: 119433.6/61

- 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: 4.413+/-2.025 χ^2/NDF:12.5/13

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

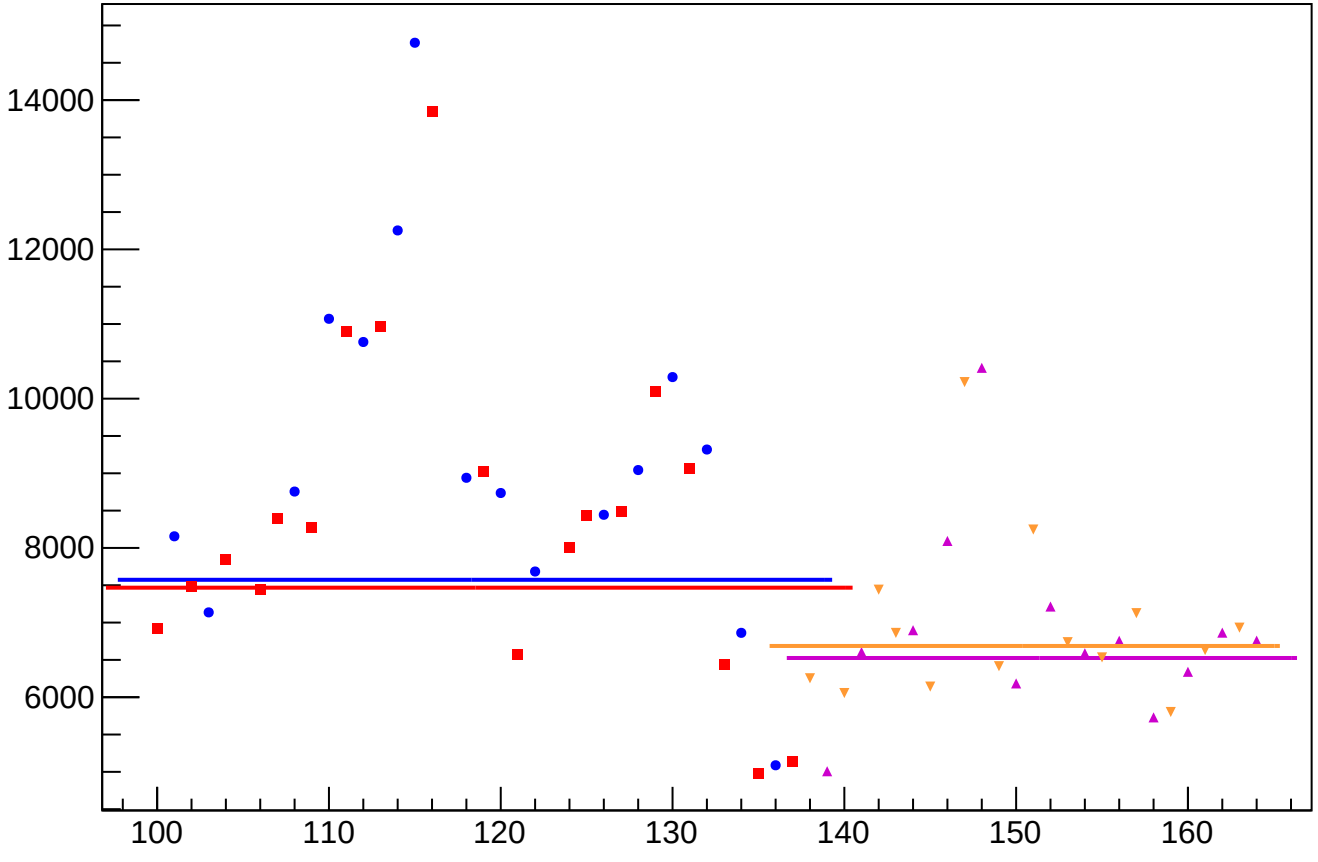
Left In: 2.292+/-2.005 χ^2/NDF:21.3/12

+ sign 2.020+/-1.662 χ^2/NDF: 26.6/29

All: 2.614+/-1.166 χ^2/NDF: 68.2/61

- 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: 6686.645+/-1.432 χ^2/NDF:349142.2/13

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

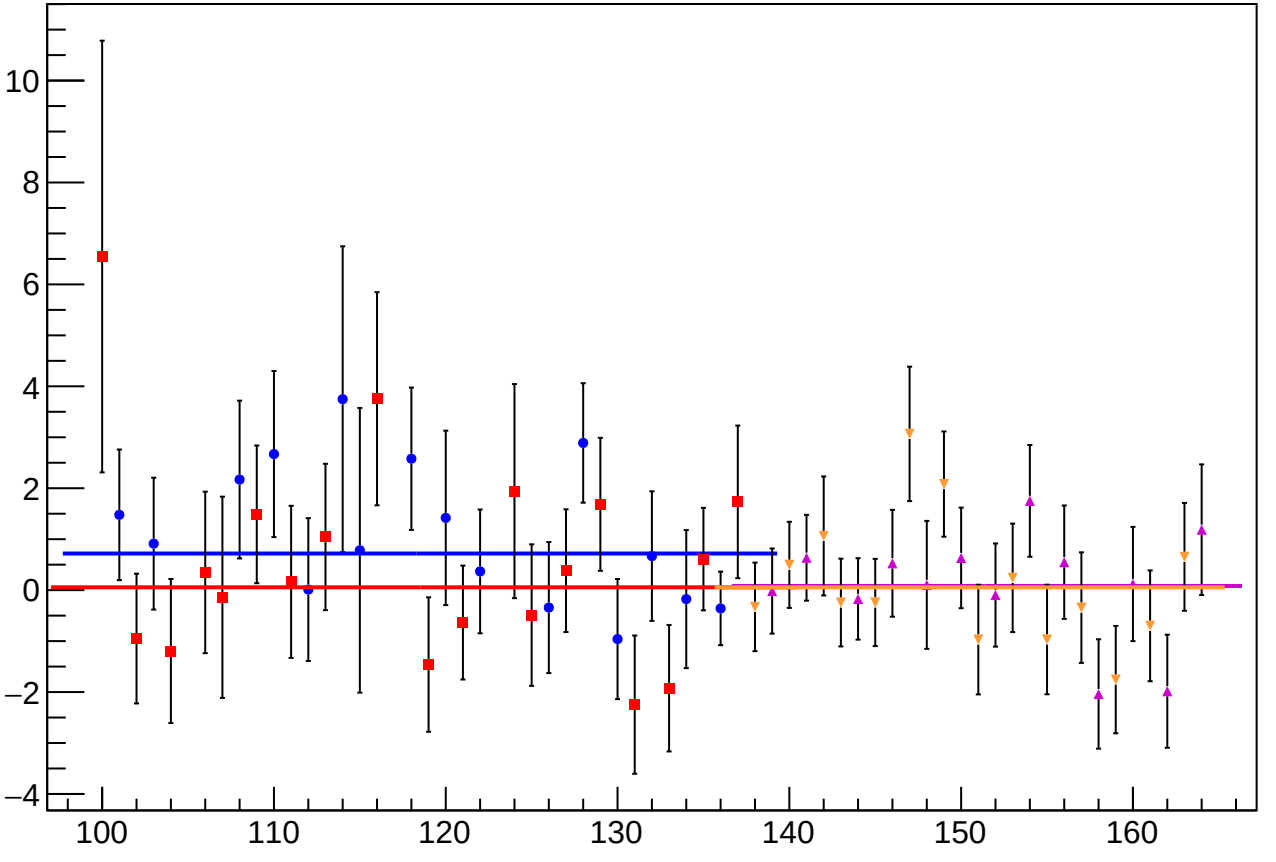
Left In: 6525.444+/-1.418 χ^2/NDF:511004.2/12

+ sign 6975.789+/-1.175 χ^2/NDF: 1371780.3/29

All: 6907.377+/-0.824 χ^2/NDF: 2865767.5/61

- 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: 0.054+/-0.269 χ^2/NDF:16.3/13

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

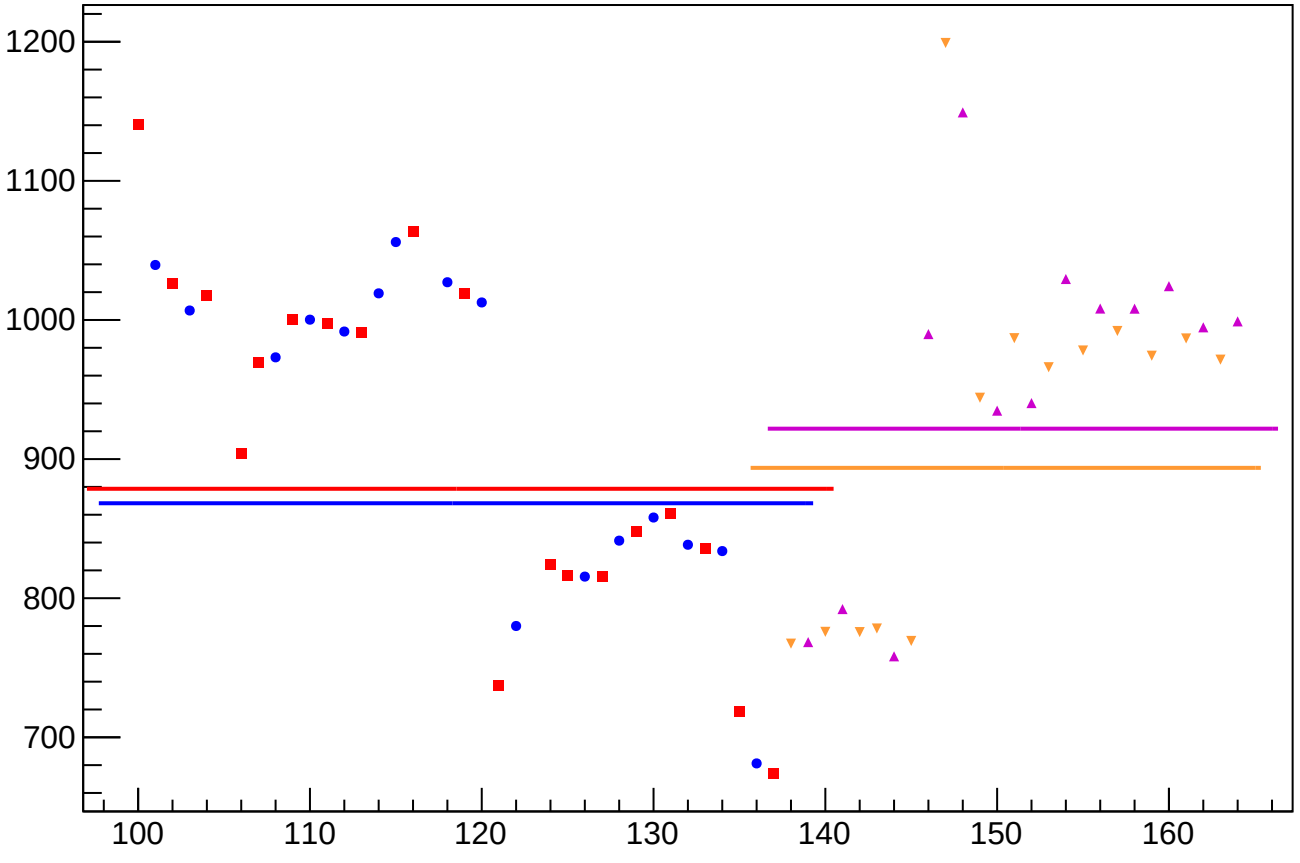
Left In: 0.082+/-0.281 χ^2/NDF:11.7/12

+ sign 0.324+/-0.208 χ^2/NDF: 33.5/29

All: 0.200+/-0.148 χ^2/NDF: 65.7/61

- sign 0.071+/-0.212 χ^2/NDF: 31.5/31

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 893.699+/-0.190 χ^2/NDF:382110.7/13

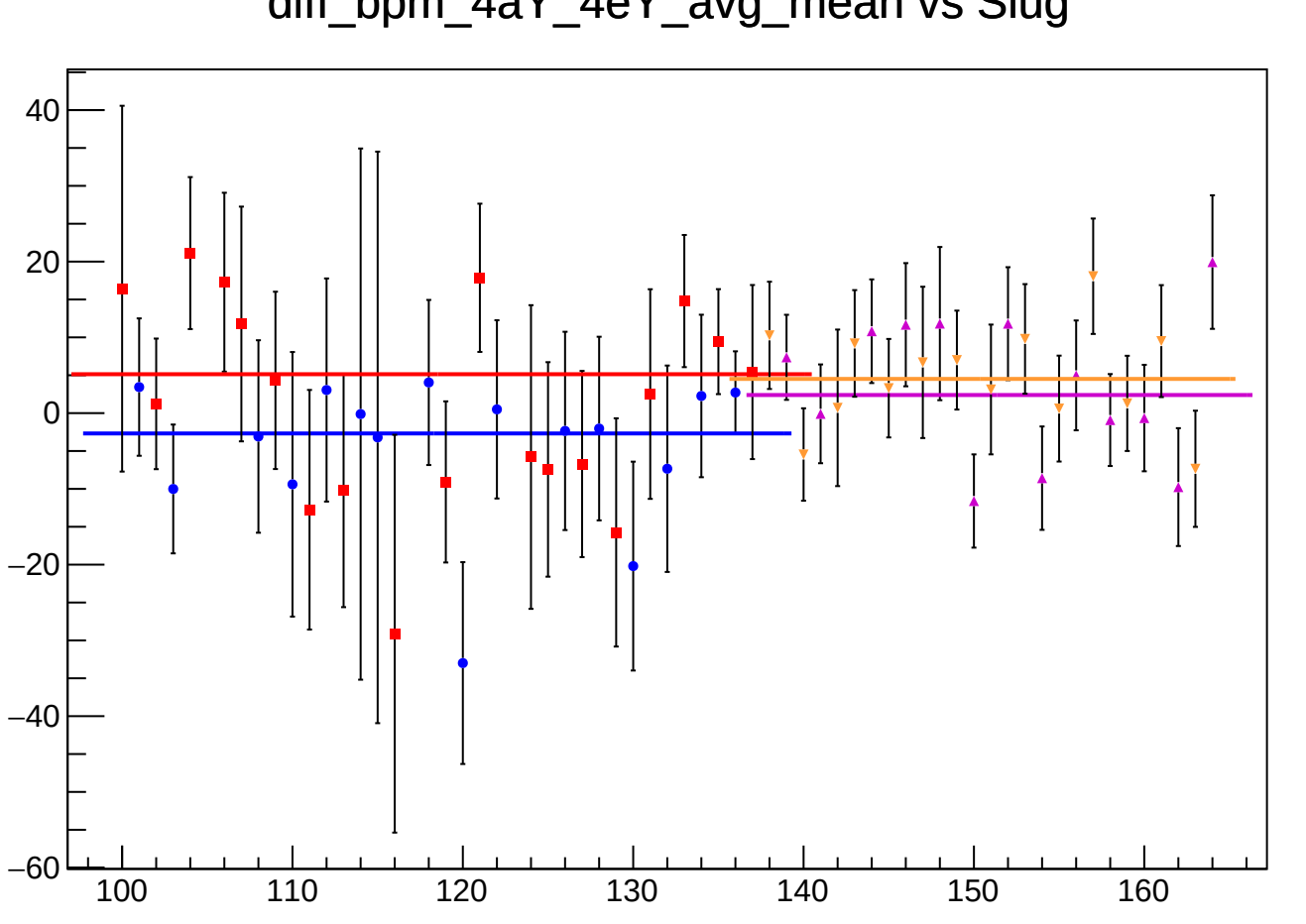
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 921.864+/-0.199 χ^2/NDF:350582.0/12

+ sign 883.374+/-0.147 χ^2/NDF: 691765.0/29

All: 893.122+/-0.105 χ^2/NDF: 1344239.9/61

- sign 903.288+/-0.150 χ^2/NDF: 643467.6/31



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.514+/-1.944 χ^2/NDF:11.3/13

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

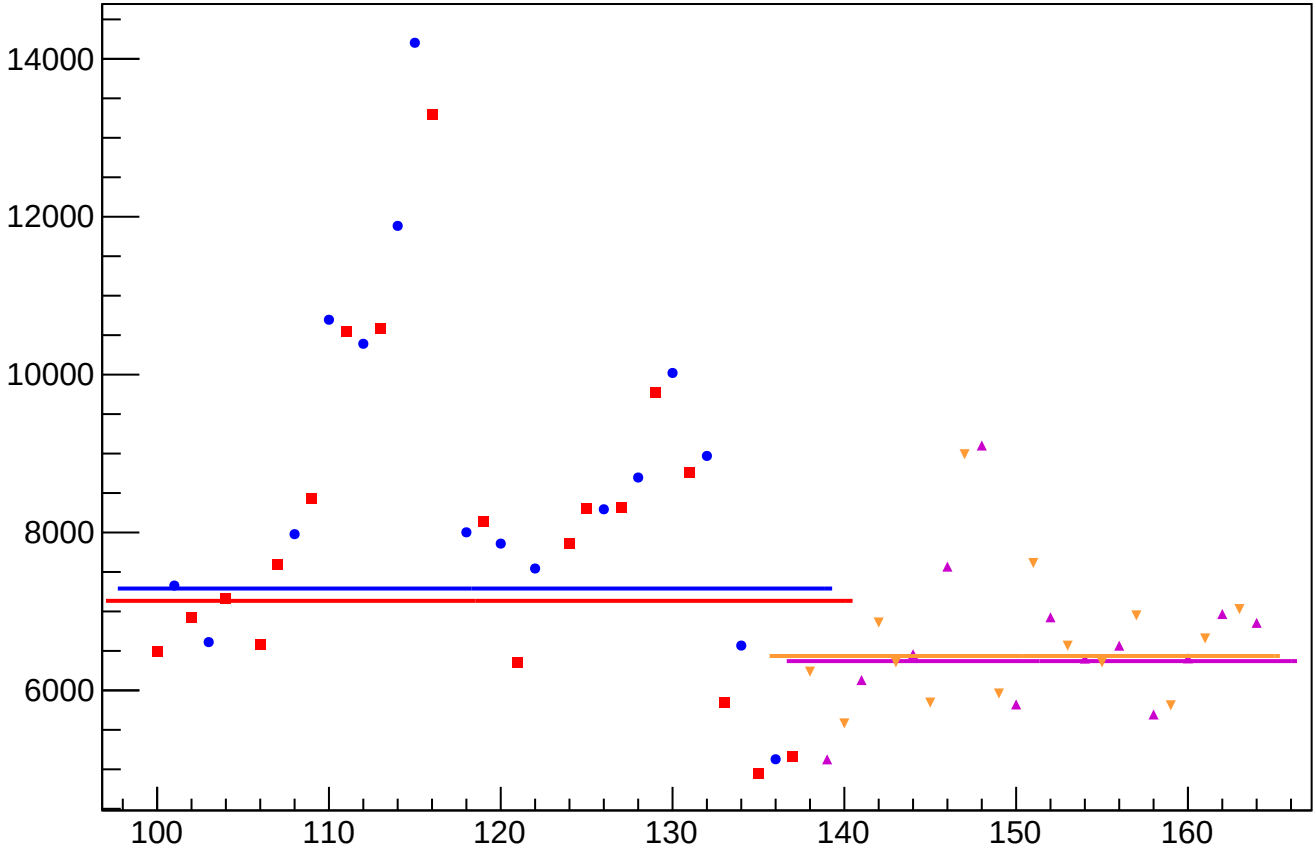
Left In: 2.389+/-1.949 χ^2/NDF:21.0/12

+ sign 2.160+/-1.595 χ^2/NDF: 25.8/29

All: 2.753+/-1.122 χ^2/NDF: 65.0/61

- 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: 6435.625+/-1.375 χ^2/NDF:283972.4/13

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

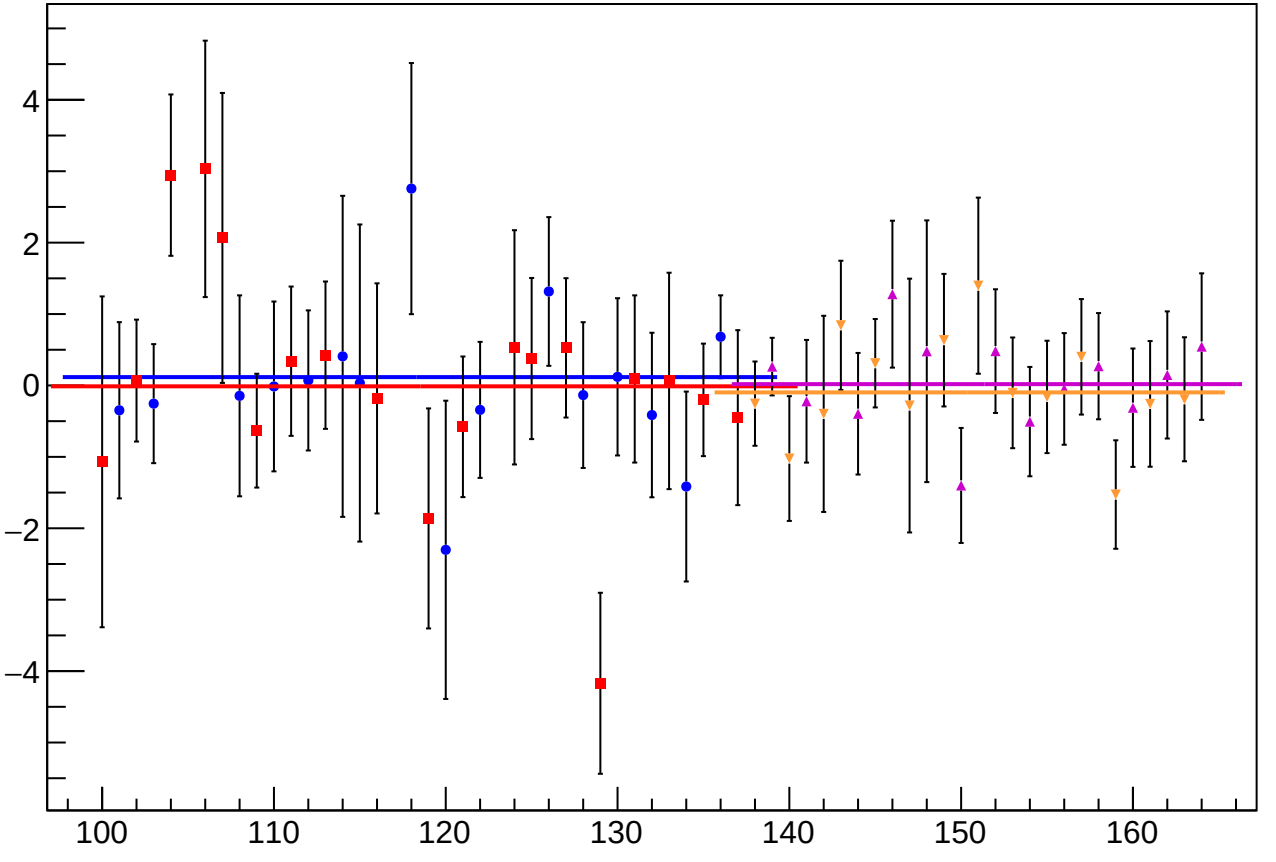
Left In: 6370.886+/-1.378 χ^2/NDF:361741.5/12

+ sign 6715.163+/-1.128 χ^2/NDF: 1180932.4/29

All: 6673.915+/-0.793 χ^2/NDF: 2443672.3/61

- 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: -0.097+/-0.224 χ^2/NDF:8.8/13

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

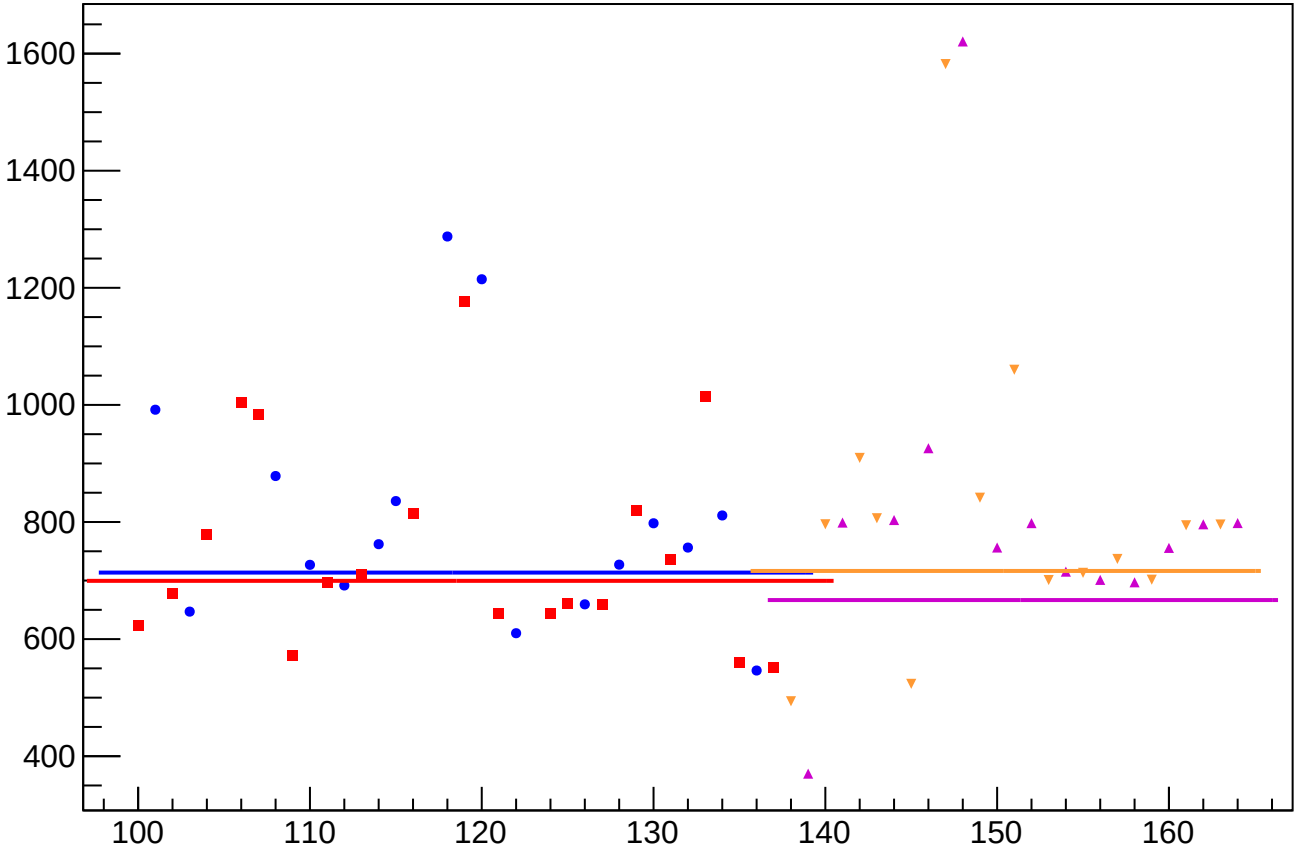
Left In: 0.019+/-0.214 χ^2/NDF:6.7/12

\+ sign -0.011+/-0.173 χ^2/NDF: 17.3/29

All: -0.002+/-0.120 χ^2/NDF: 49.2/61

\- 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: 716.398+/-0.159 χ^2/NDF:1256462.1/13

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

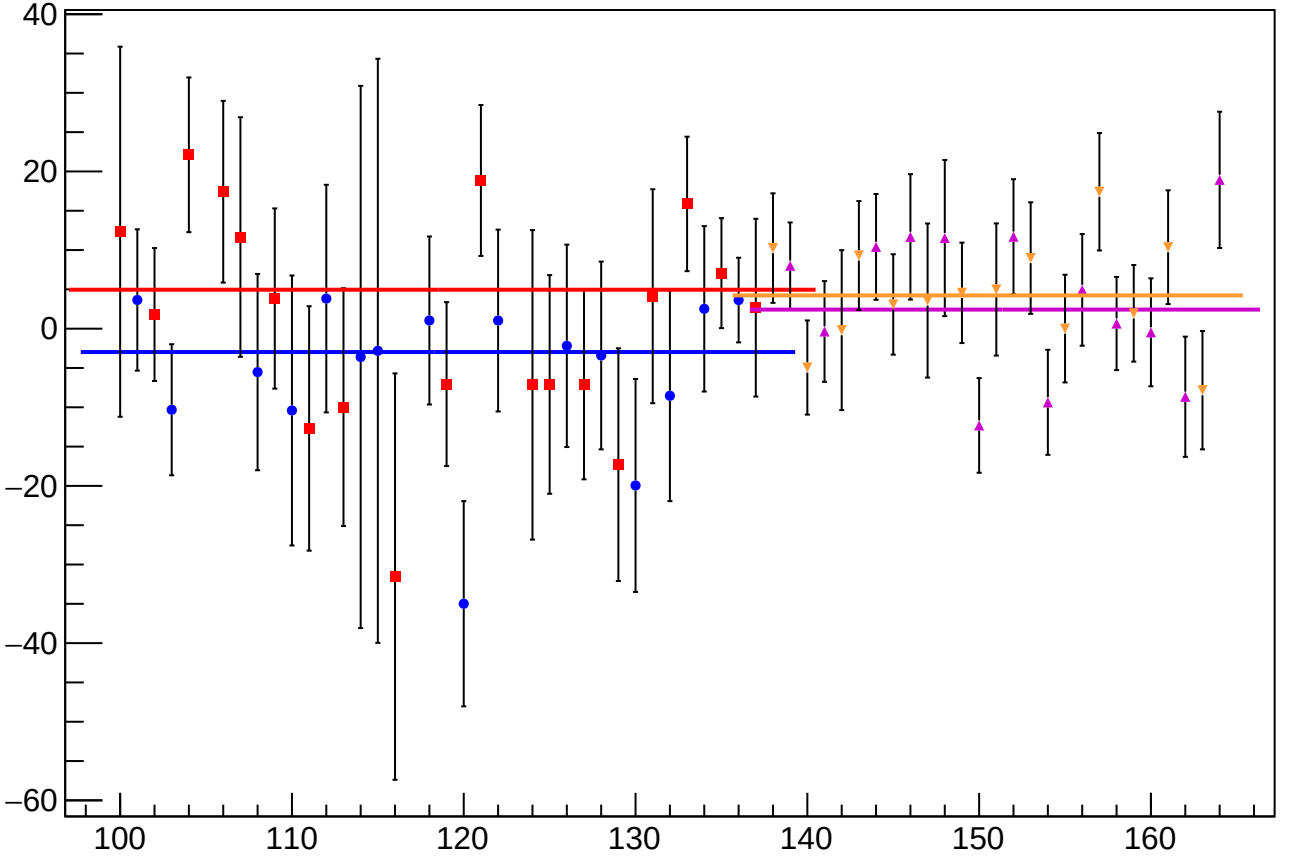
Left In: 666.689+/-0.151 χ^2/NDF:2033721.2/12

+ sign 715.281+/-0.123 χ^2/NDF: 1955888.8/29

All: 696.747+/-0.085 χ^2/NDF: 4627859.0/61

- sign 679.753+/-0.117 χ^2/NDF: 2628190.1/31

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.230+/-1.907 χ^2/NDF:11.2/13

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

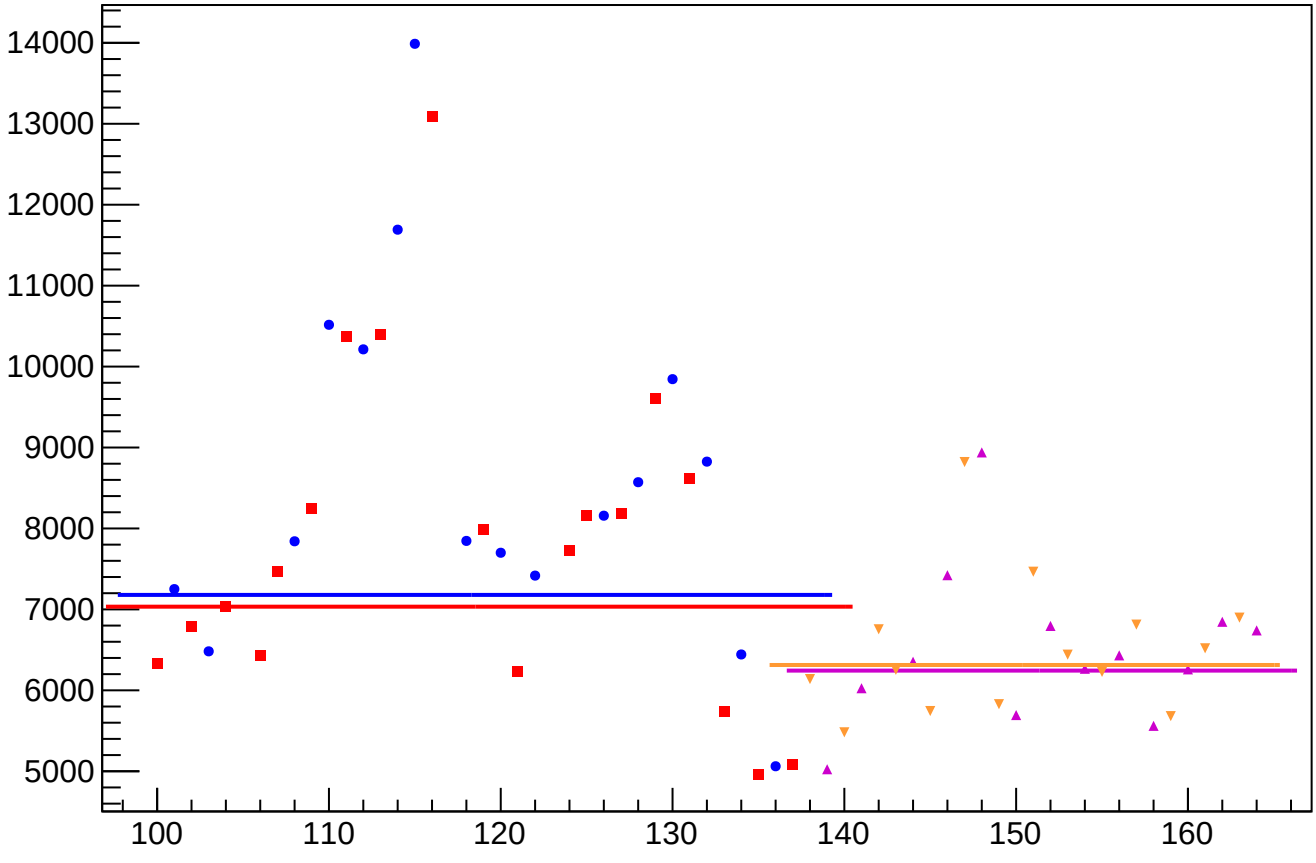
Left In: 2.428+/-1.911 χ^2/NDF:21.6/12

+ sign 1.886+/-1.566 χ^2/NDF: 27.4/29

All: 2.596+/-1.102 χ^2/NDF: 68.6/61

- 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: 6313.108+/-1.349 χ^2/NDF:284361.3/13

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

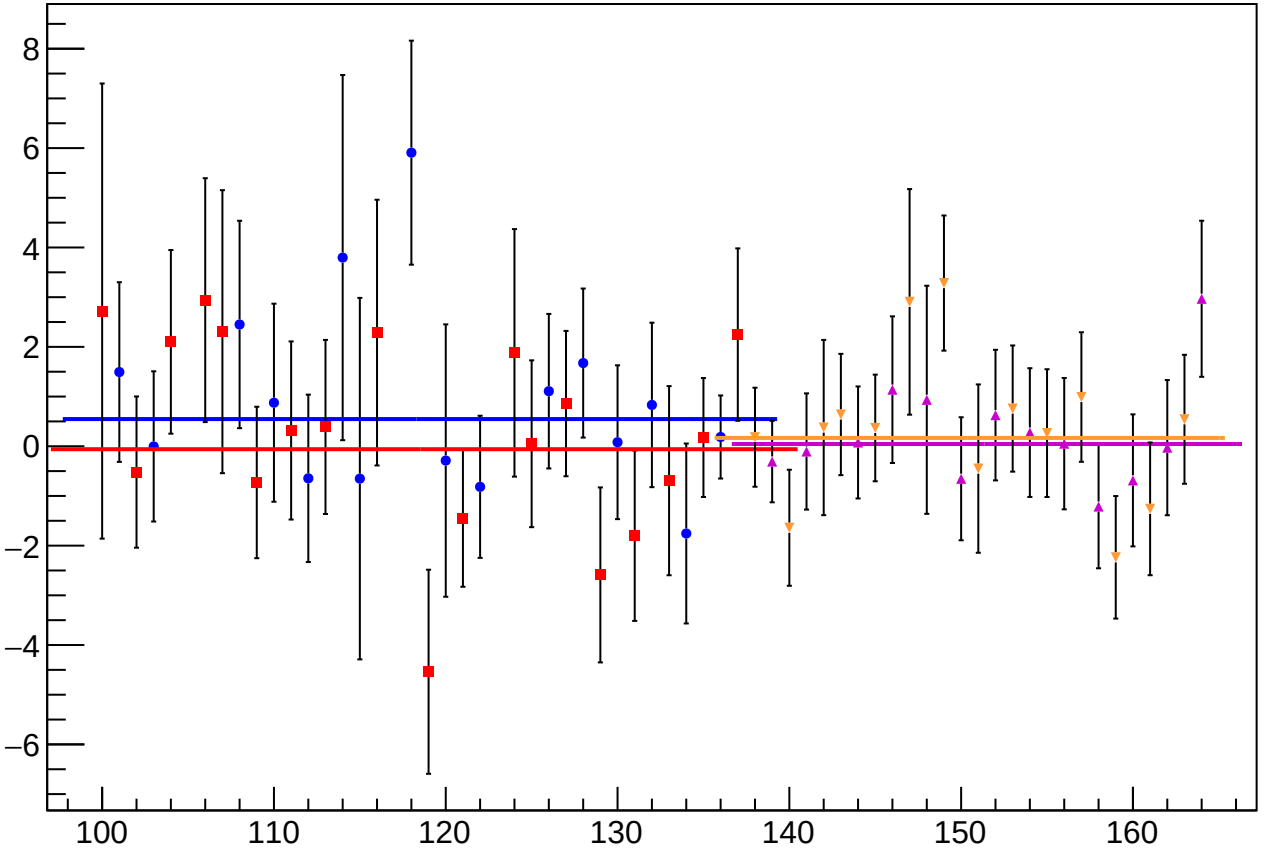
Left In: 6243.637+/-1.351 χ^2/NDF:366839.8/12

+ sign 6594.848+/-1.108 χ^2/NDF: 1180422.3/29

All: 6553.702+/-0.779 χ^2/NDF: 2433115.2/61

- 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: 0.168+/-0.347 χ^2/NDF:15.1/13

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

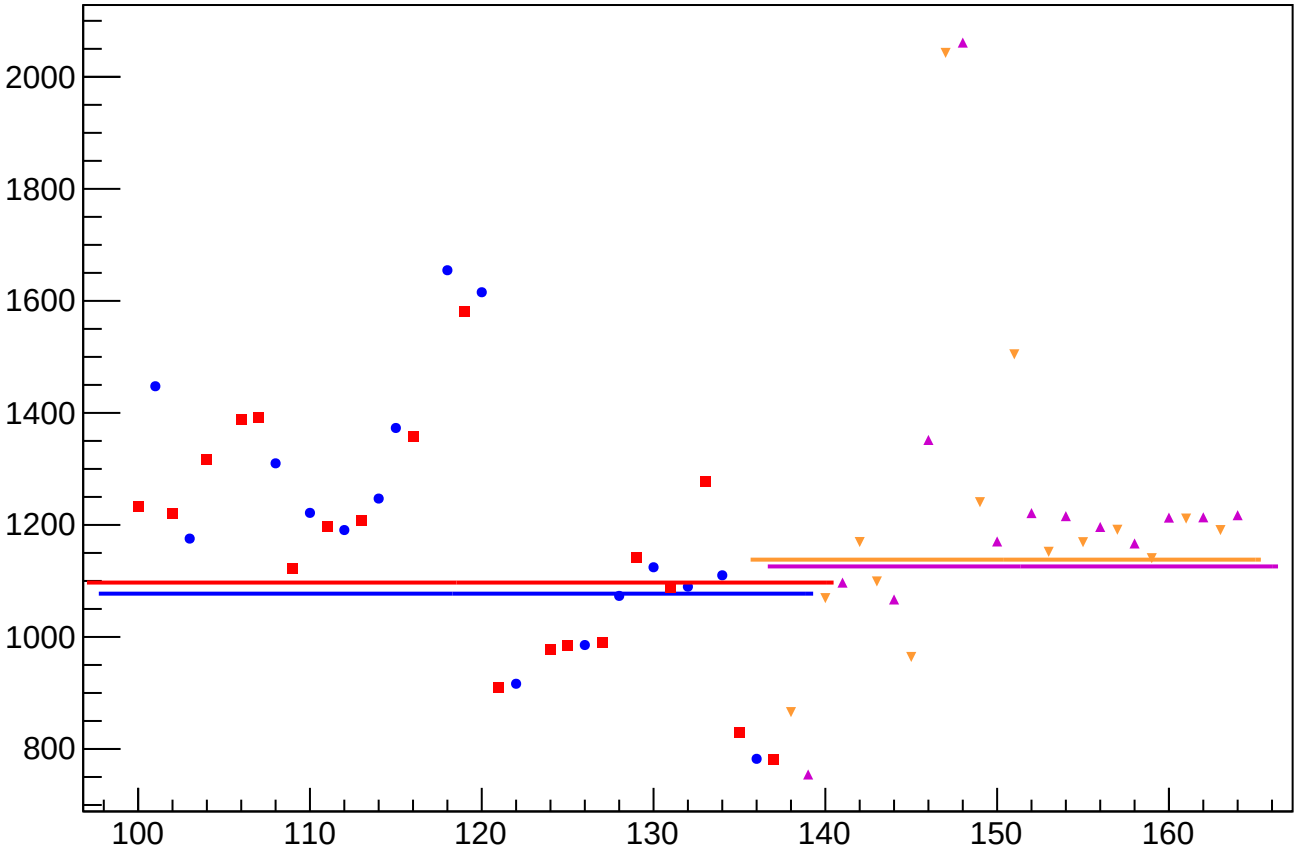
Left In: 0.045+/-0.349 χ^2/NDF:6.2/12

+ sign 0.325+/-0.265 χ^2/NDF: 27.5/29

All: 0.163+/-0.188 χ^2/NDF: 51.4/61

- 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: 1138.041+/-0.245 χ^2/NDF:648175.1/13

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

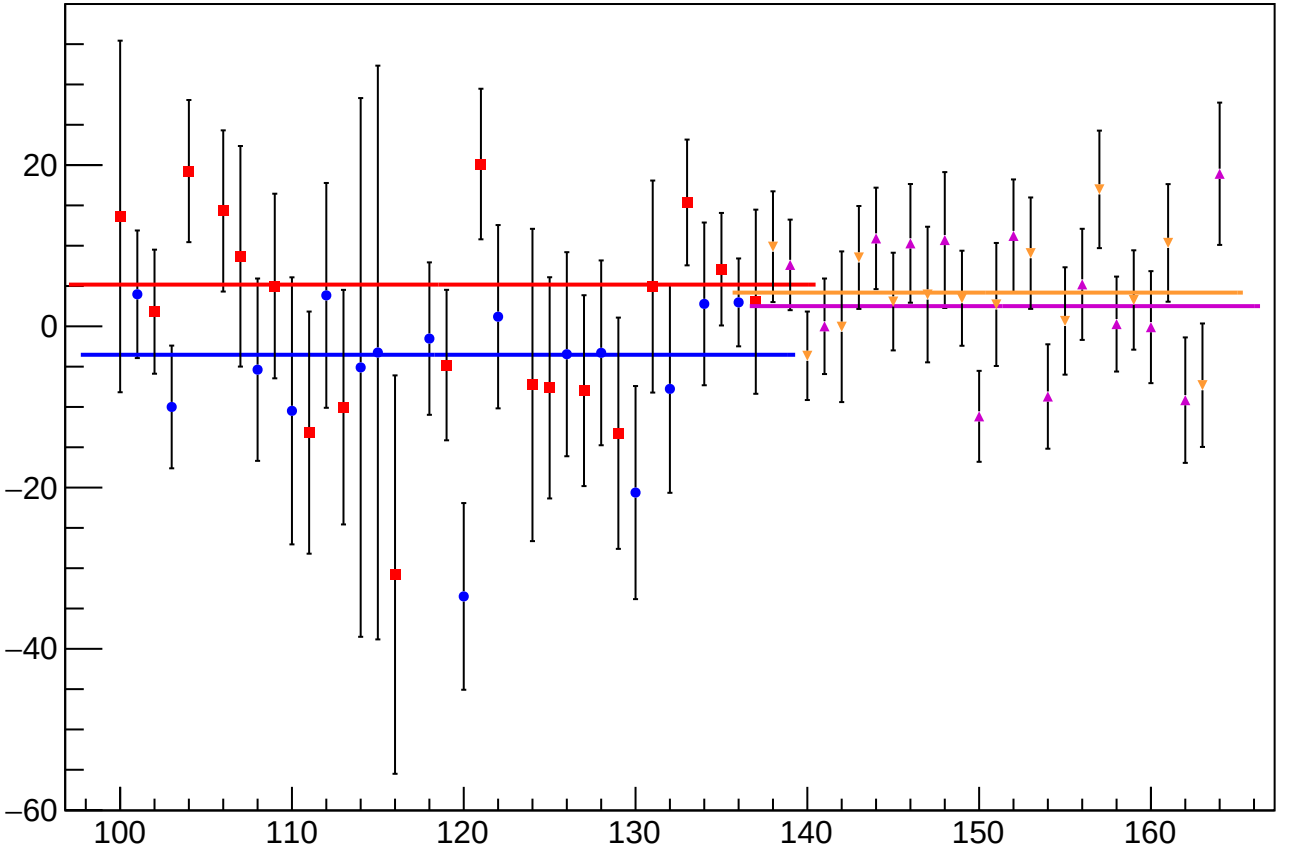
Left In: 1125.911+/-0.247 χ^2/NDF:850276.7/12

+ sign 1112.767+/-0.187 χ^2/NDF: 1320212.6/29

All: 1113.270+/-0.133 χ^2/NDF: 2660618.2/61

- 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: 4.183+/-1.819 χ^2/NDF:10.3/13

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

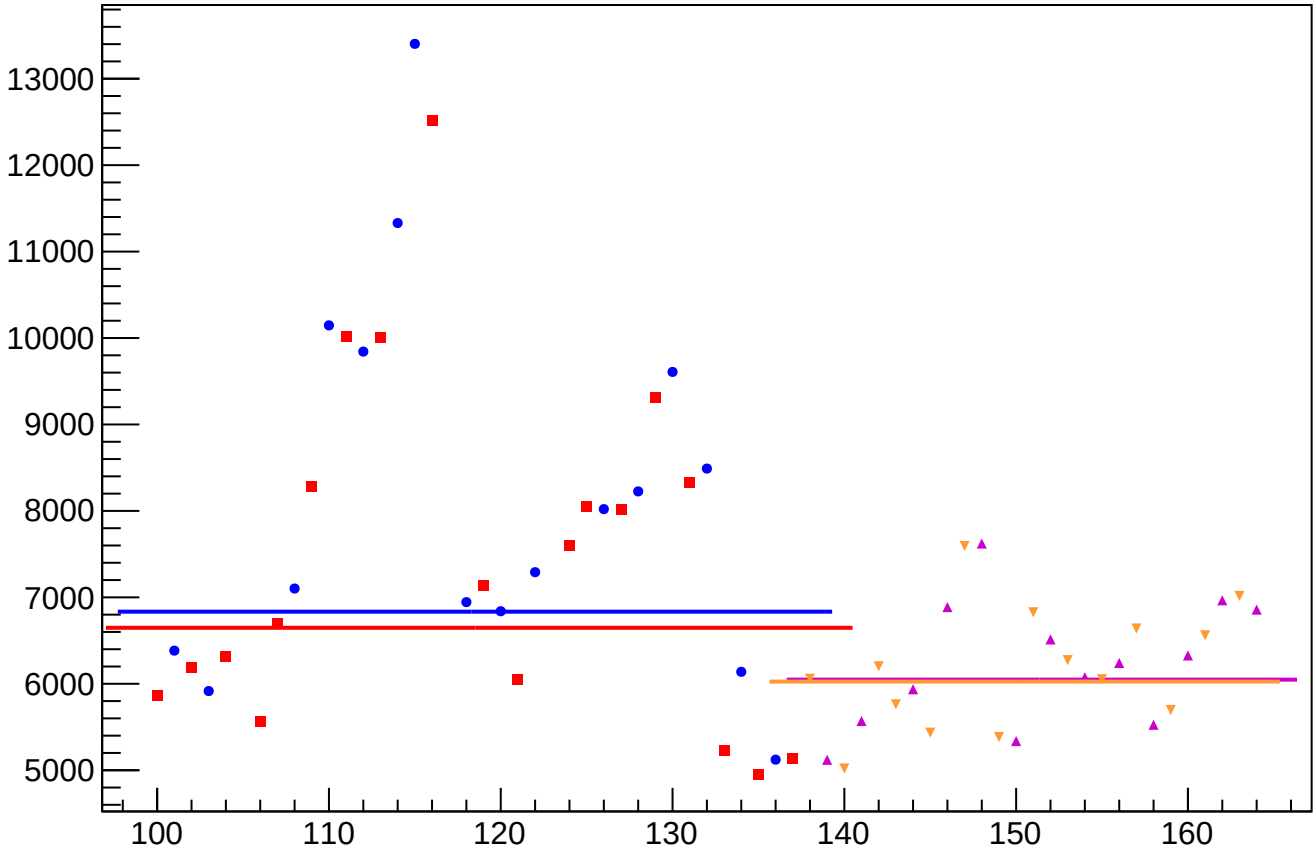
Left In: 2.506+/-1.845 χ^2/NDF:21.4/12

+ sign 1.660+/-1.492 χ^2/NDF: 28.8/29

All: 2.555+/-1.053 χ^2/NDF: 69.9/61

- 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: 6025.556+/-1.286 χ^2/NDF:272519.7/13

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

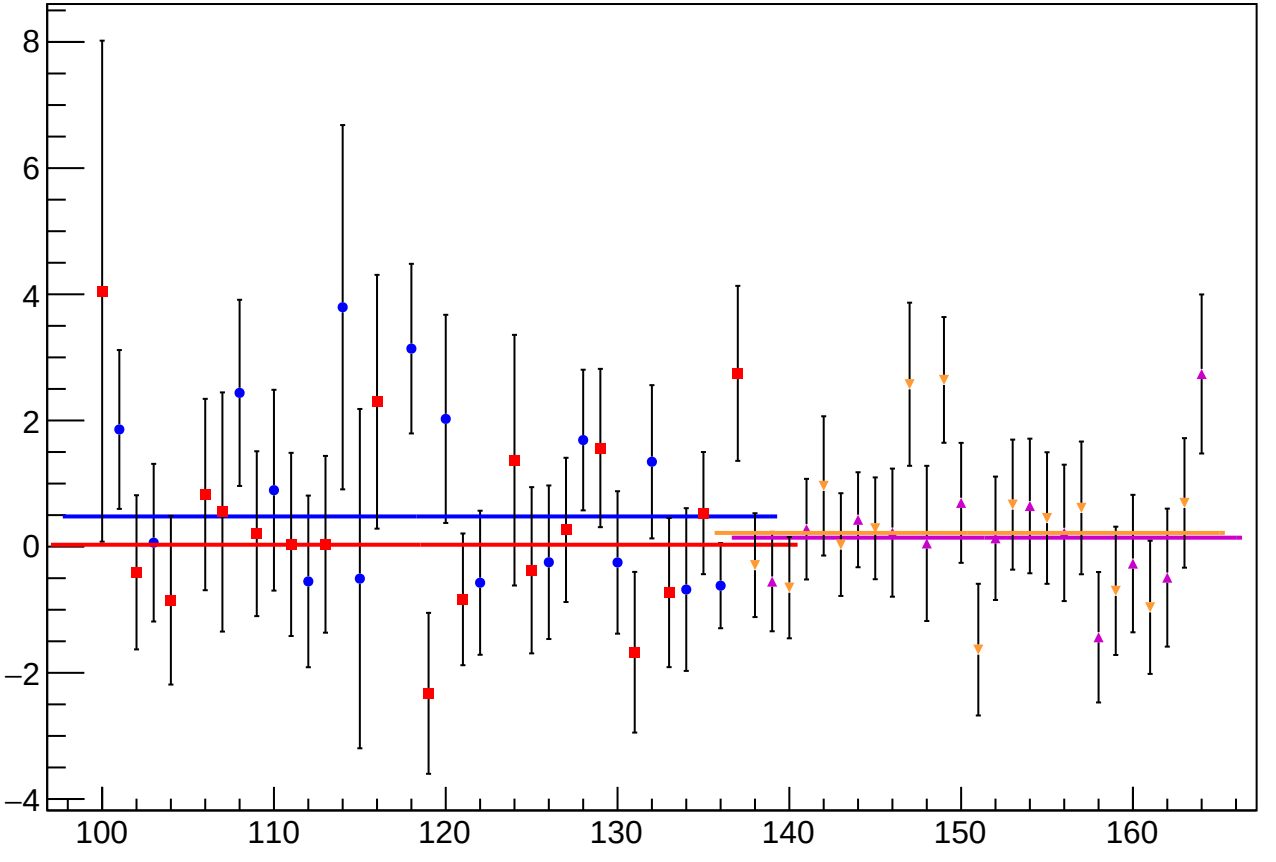
Left In: 6048.237+/-1.305 χ^2/NDF:269820.5/12

+ sign 6290.215+/-1.055 χ^2/NDF: 1094633.0/29

All: 6274.505+/-0.745 χ^2/NDF: 2224199.1/61

- 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: 0.218+/-0.258 χ^2/NDF:17.1/13

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

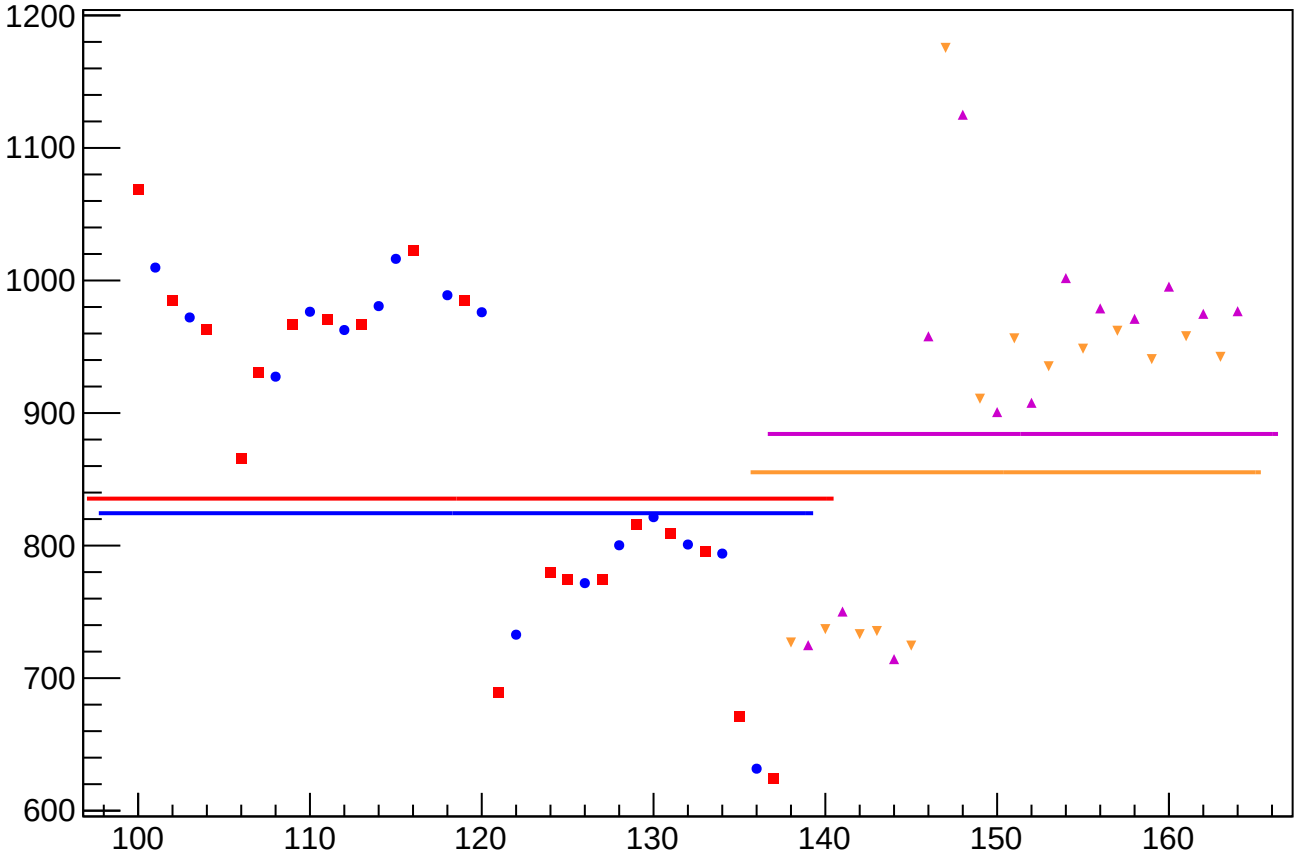
Left In: 0.142+/-0.270 χ^2/NDF:8.6/12

+ sign 0.324+/-0.199 χ^2/NDF: 34.3/29

All: 0.212+/-0.142 χ^2/NDF: 59.3/61

- 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: 855.312+/-0.183 χ^2/NDF:456078.4/13

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

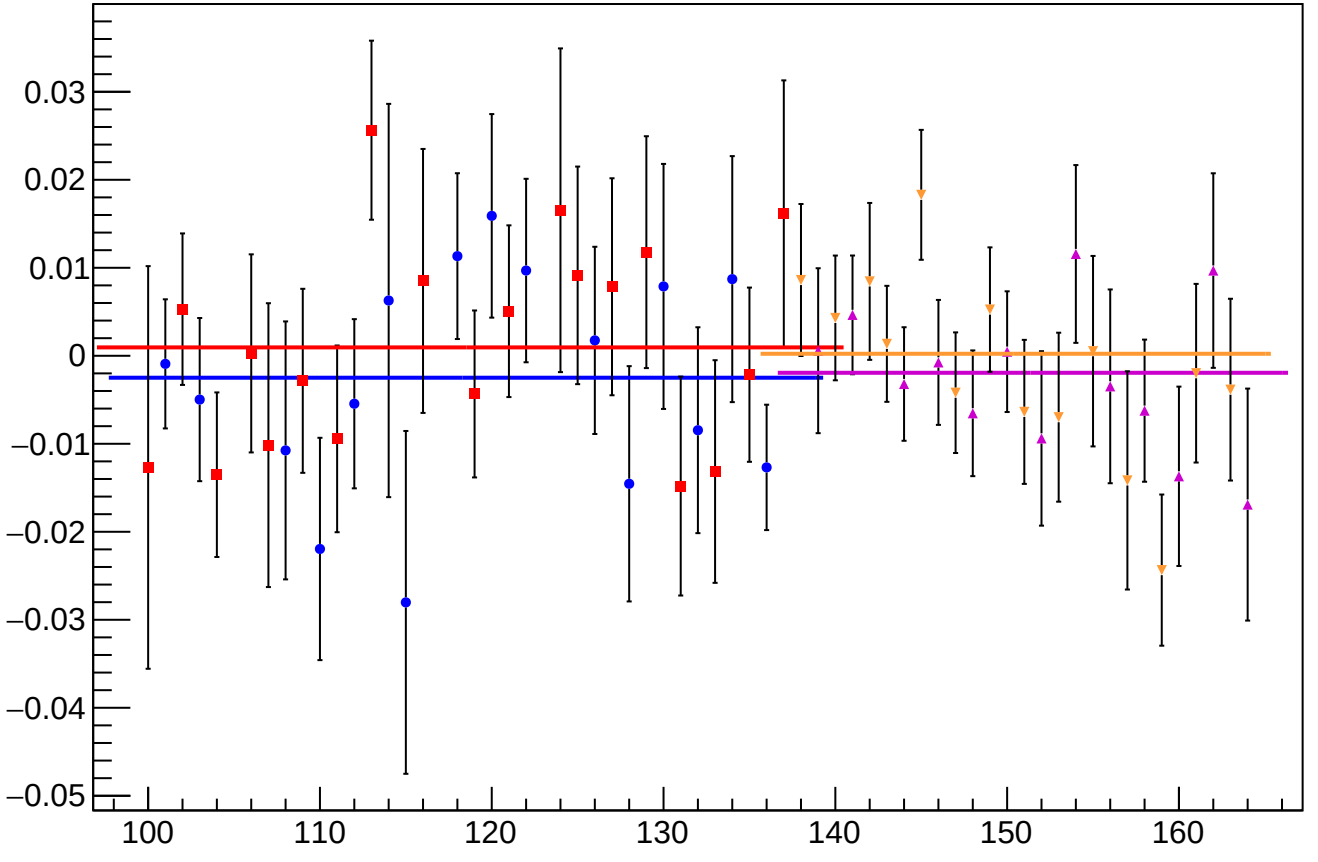
Left In: 884.221+/-0.191 χ^2/NDF:428240.6/12

+ sign 842.699+/-0.140 χ^2/NDF: 833221.4/29

All: 852.645+/-0.100 χ^2/NDF: 1619336.8/61

- 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:20.0/13

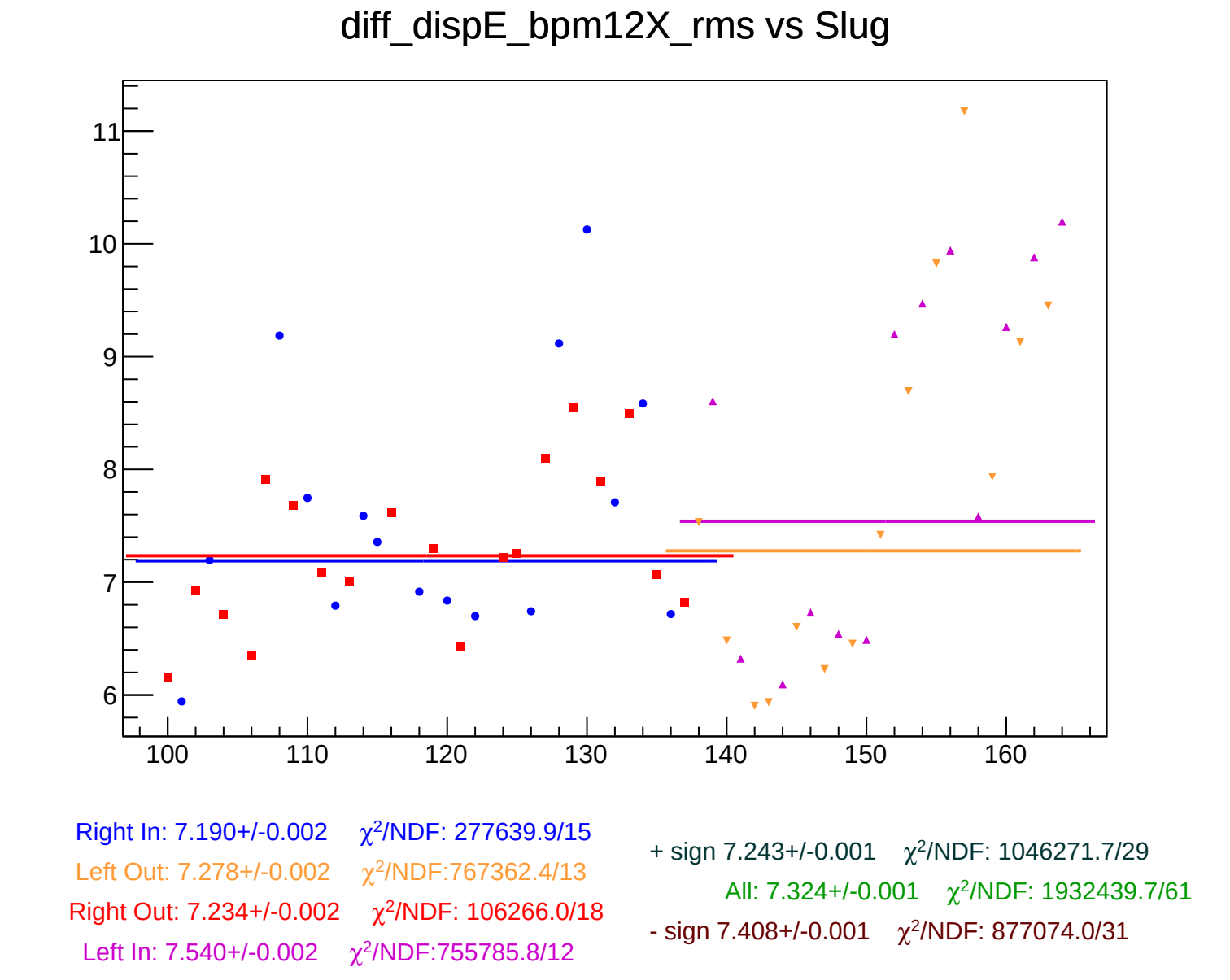
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.002+/-0.002 χ^2/NDF:8.0/12

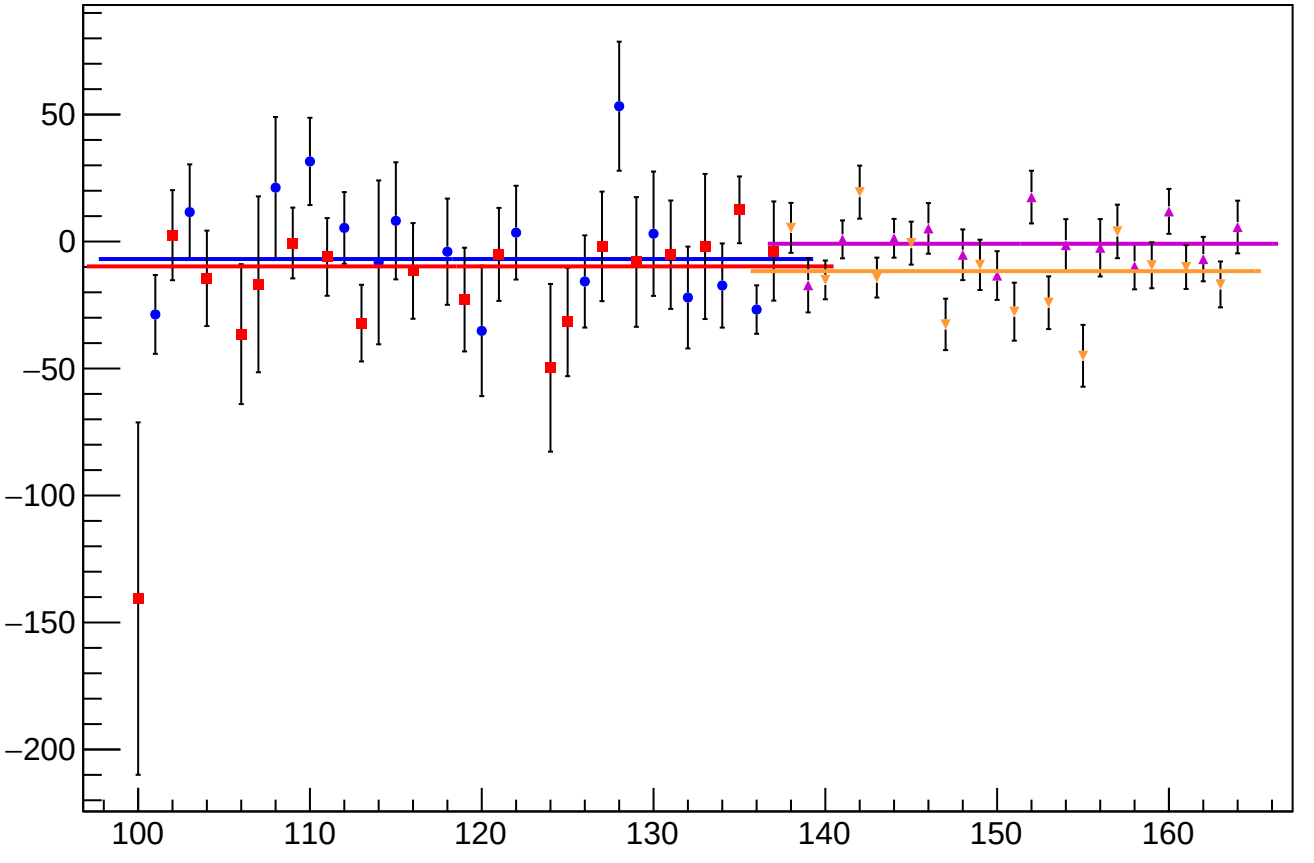
+ sign -0.001+/-0.002 χ^2/NDF: 35.9/29

All: -0.001+/-0.001 χ^2/NDF: 61.9/61

- sign -0.001+/-0.002 χ^2/NDF: 26.0/31


diff_dispE_bpm12X_rms vs Slug
11
10
9
8
7
6
100
110
120
130
140
150
160
Right In: 7.190+/-0.002 χ²/NDF: 277639.9/15
Left Out: 7.278+/-0.002 χ²/NDF:767362.4/13
Right Out: 7.234+/-0.002 χ²/NDF: 106266.0/18
Left In: 7.540+/-0.002 χ²/NDF:755785.8/12
+ sign 7.243+/-0.001 χ²/NDF: 1046271.7/29
All: 7.324+/-0.001 χ²/NDF: 1932439.7/61
- sign 7.408+/-0.001 χ²/NDF: 877074.0/31

diff_targ_positionX_mean vs Slug



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.661+/-2.521 χ^2/NDF:31.7/13

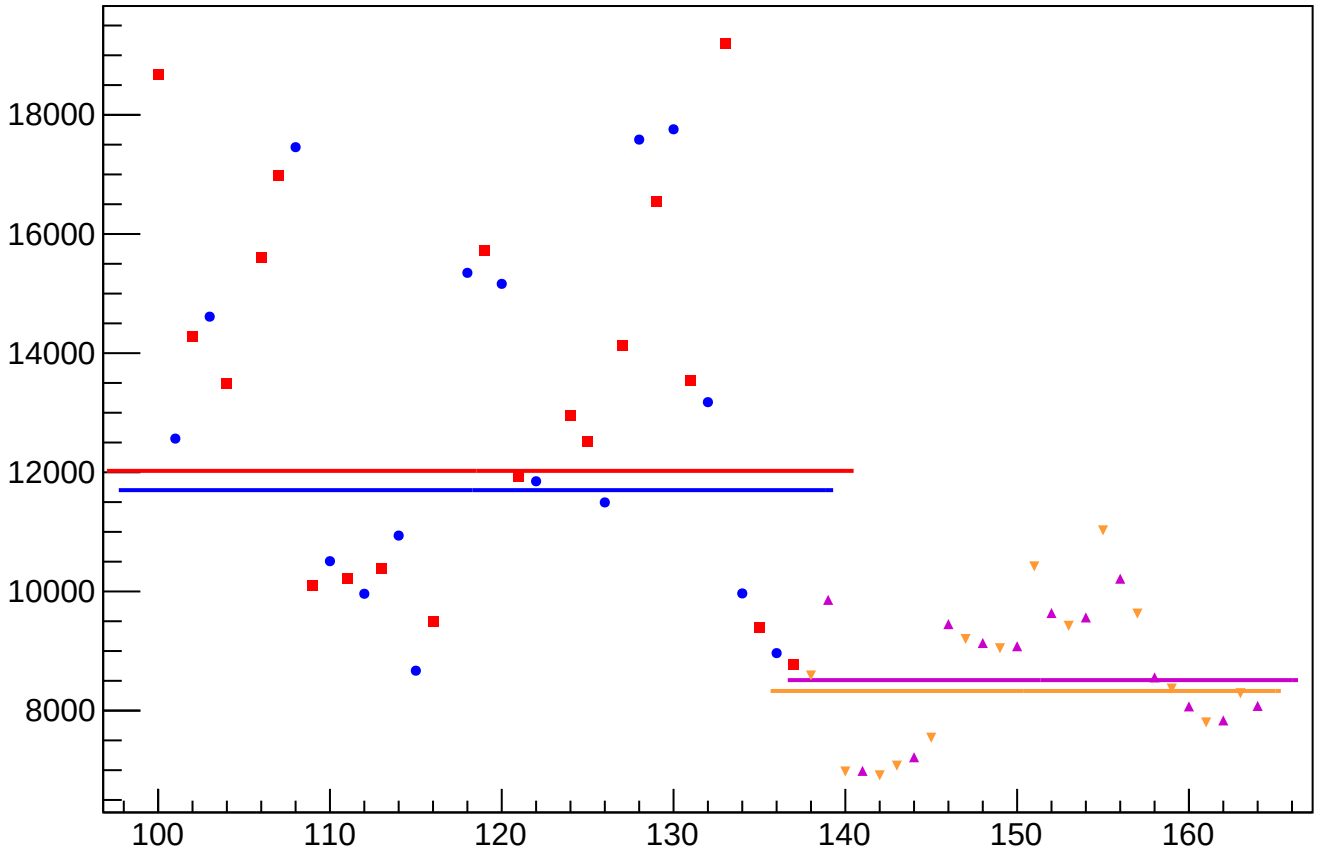
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.875+/-2.594 χ^2/NDF:11.8/12

+ sign -10.517+/-2.198 χ^2/NDF: 55.6/29

All: -6.888+/-1.572 χ^2/NDF: 89.9/61

- 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: 8329.803+/-1.783 χ^2/NDF:419468.2/13

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

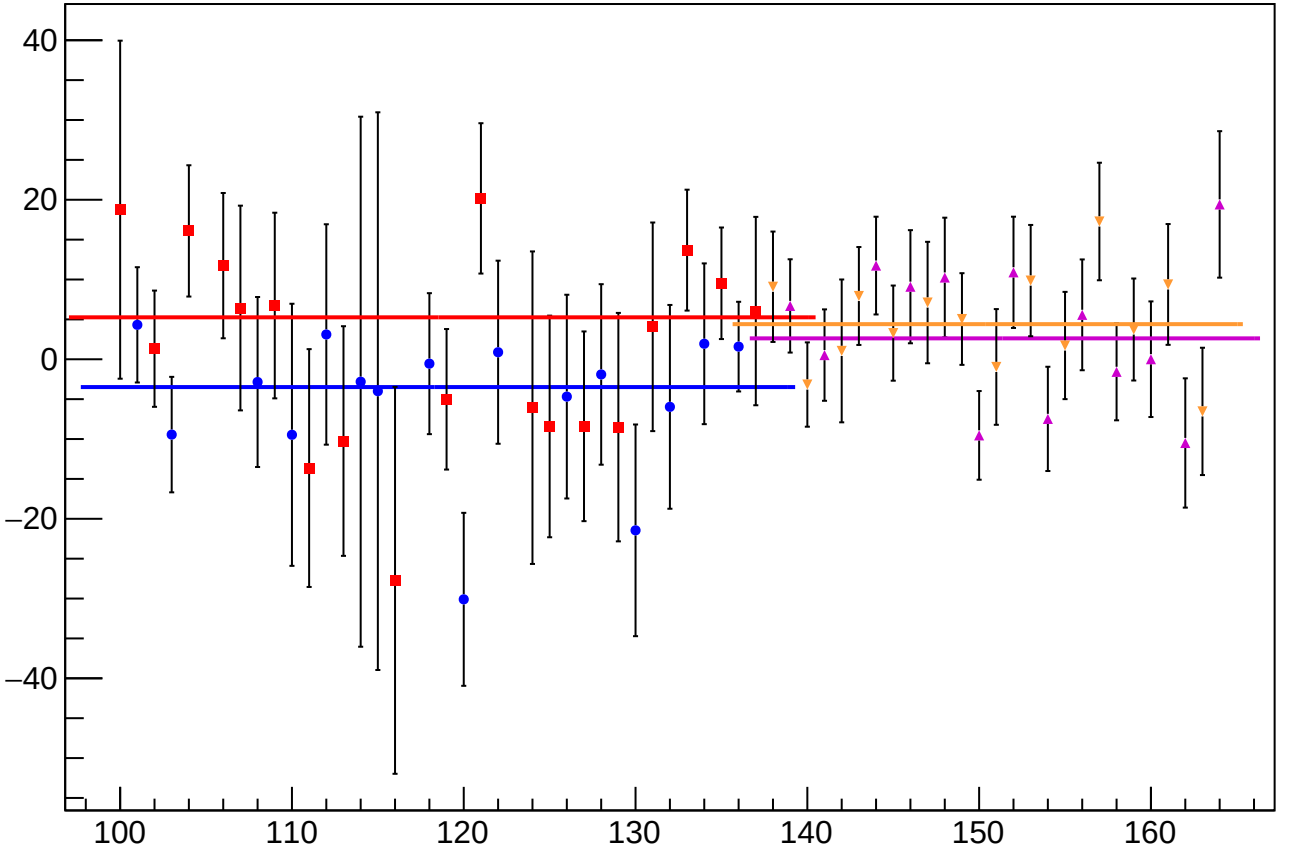
Left In: 8511.728+/-1.834 χ^2/NDF:315572.7/12

+ sign 9138.124+/-1.554 χ^2/NDF: 2017198.5/29

All: 9257.592+/-1.112 χ^2/NDF: 3939018.9/61

- sign 9382.733+/-1.591 χ^2/NDF: 1909721.9/31

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.404+/-1.799 χ^2/NDF:9.8/13

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

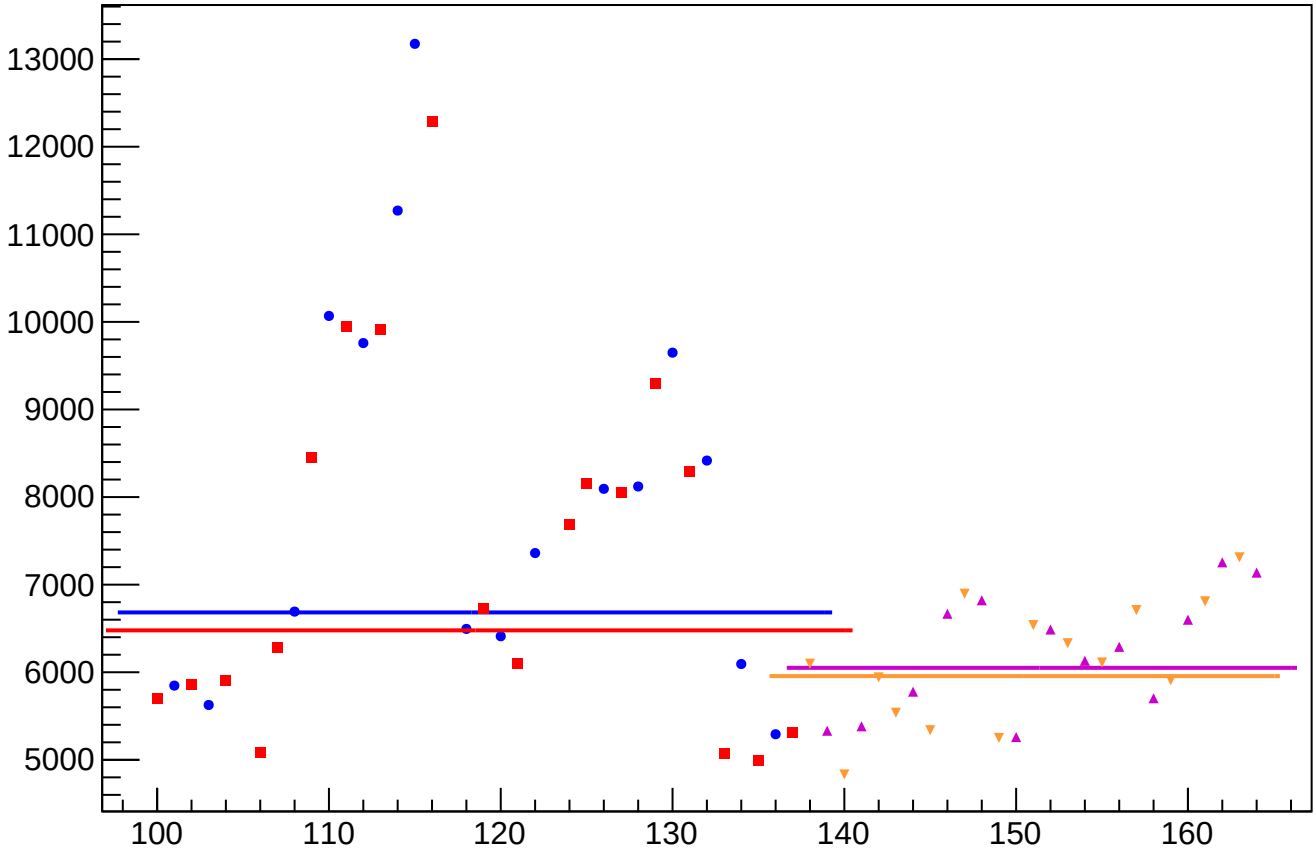
Left In: 2.621+/-1.844 χ^2/NDF:20.0/12

+ sign 1.782+/-1.470 χ^2/NDF: 27.7/29

All: 2.678+/-1.040 χ^2/NDF: 65.9/61

- sign 3.577+/-1.472 χ^2/NDF: 37.4/31

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5956.220+/-1.272 χ^2/NDF:306463.2/13

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

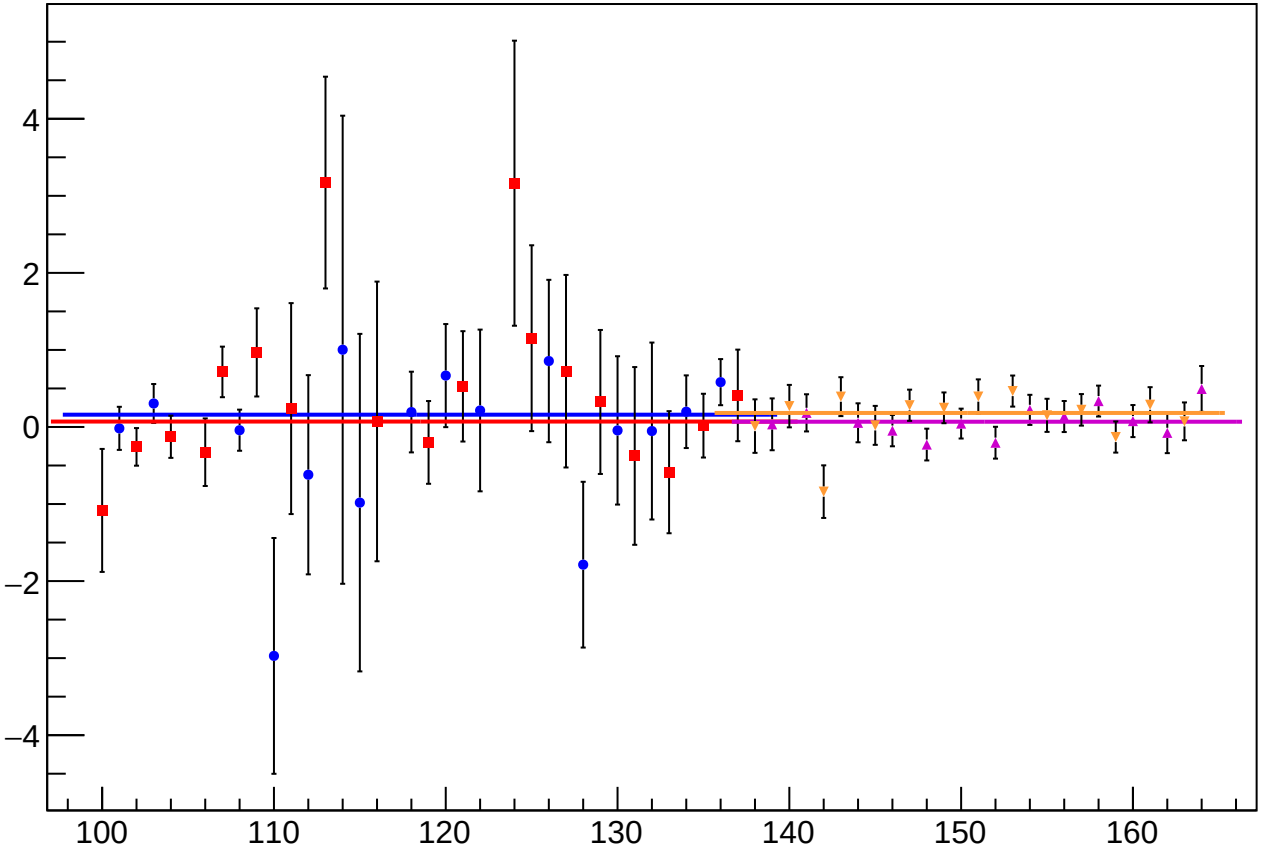
Left In: 6050.502+/-1.304 χ^2/NDF:238708.1/12

+ sign 6197.781+/-1.039 χ^2/NDF: 1107155.2/29

All: 6201.585+/-0.736 χ^2/NDF: 2224091.9/61

- sign 6205.402+/-1.041 χ^2/NDF: 1116909.8/31

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.182+/-0.062 χ^2/NDF:16.5/13

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

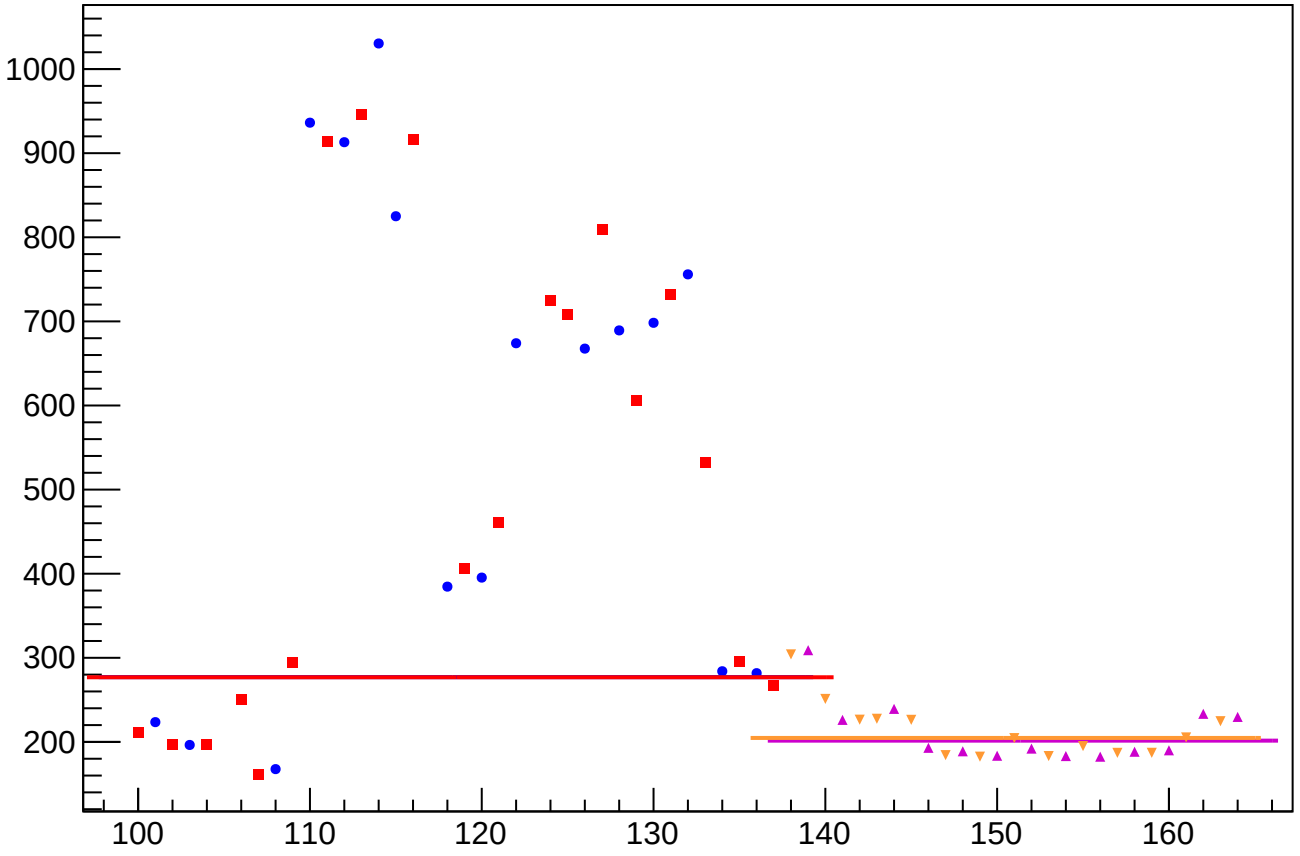
Left In: 0.068+/-0.062 χ^2/NDF:9.2/12

+ sign 0.177+/-0.055 χ^2/NDF: 29.1/29

All: 0.123+/-0.039 χ^2/NDF: 62.8/61

- sign 0.069+/-0.055 χ^2/NDF: 31.7/31

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 204.720+/-0.044 χ^2/NDF:374949.1/13

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

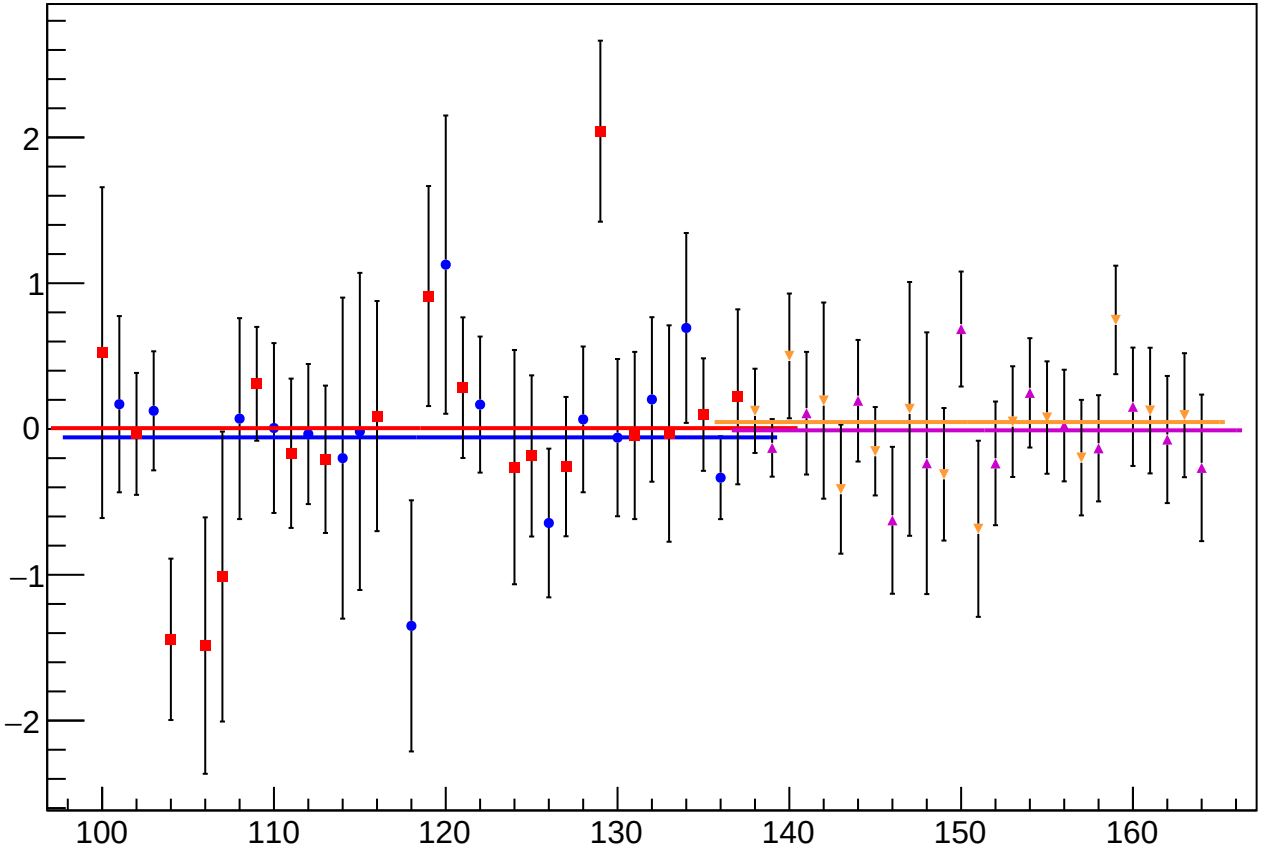
Left In: 201.511+/-0.044 χ^2/NDF:399961.0/12

+ sign 219.986+/-0.039 χ^2/NDF: 4402169.7/29

All: 218.625+/-0.027 χ^2/NDF: 9003008.4/61

- 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: 0.048+/-0.110 χ^2/NDF:8.8/13

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

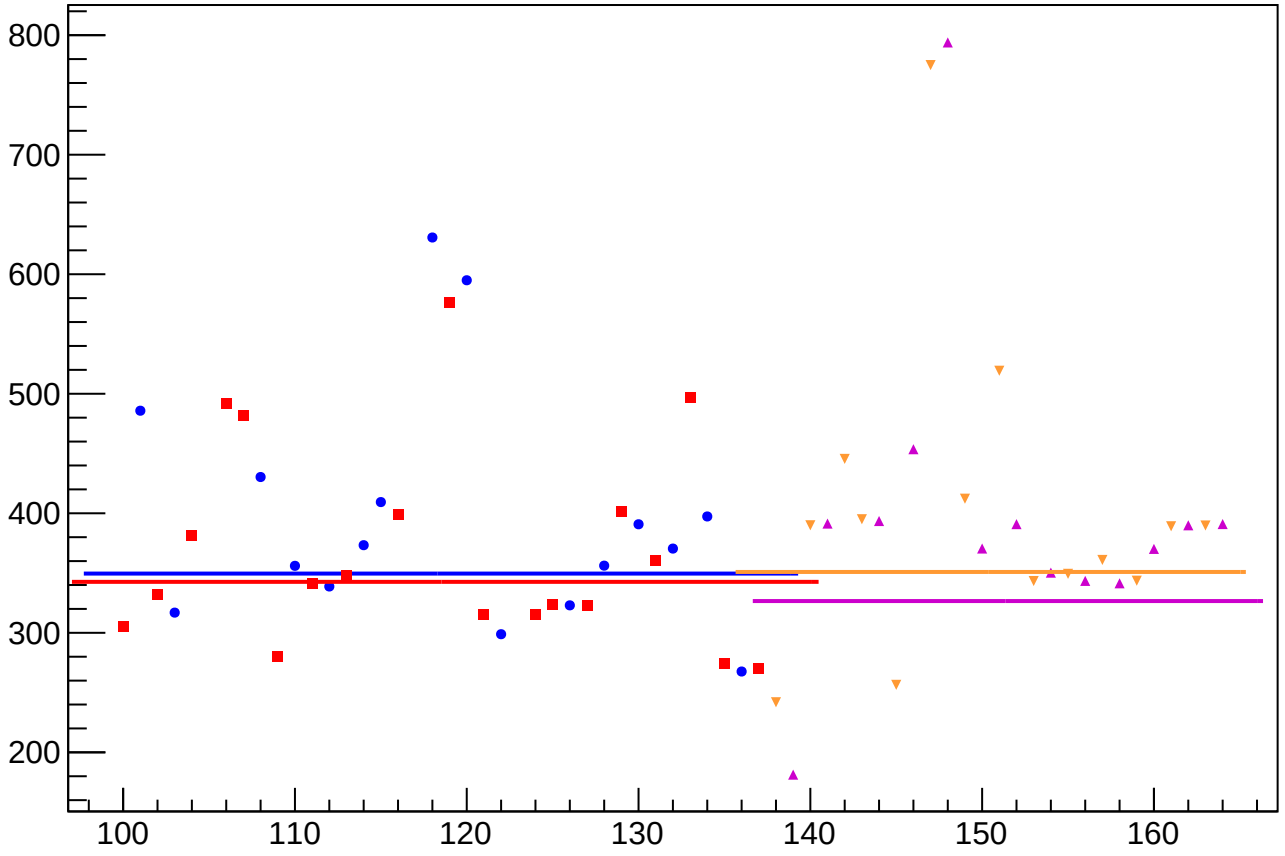
Left In: -0.009+/-0.105 χ^2/NDF:6.7/12

+ sign 0.005+/-0.085 χ^2/NDF: 17.3/29

All: 0.001+/-0.059 χ^2/NDF: 49.2/61

- 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: 350.917+/-0.078 χ^2/NDF:1256462.1/13

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

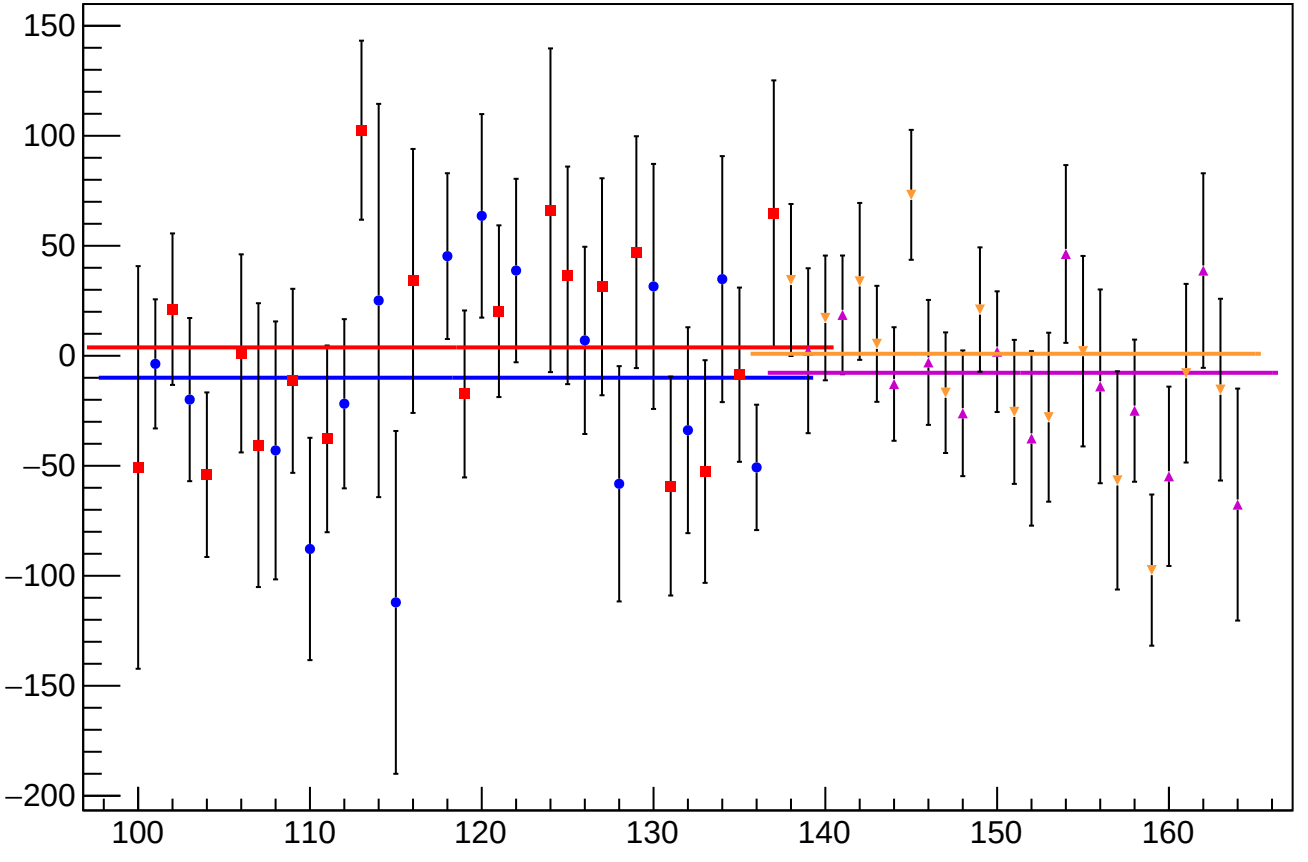
Left In: 326.568+/-0.074 χ^2/NDF:2033721.2/12

\+ sign 350.370+/-0.060 χ^2/NDF: 1955888.8/29

All: 341.292+/-0.042 χ^2/NDF: 4627859.0/61

\- sign 332.967+/-0.058 χ^2/NDF: 2628190.1/31

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

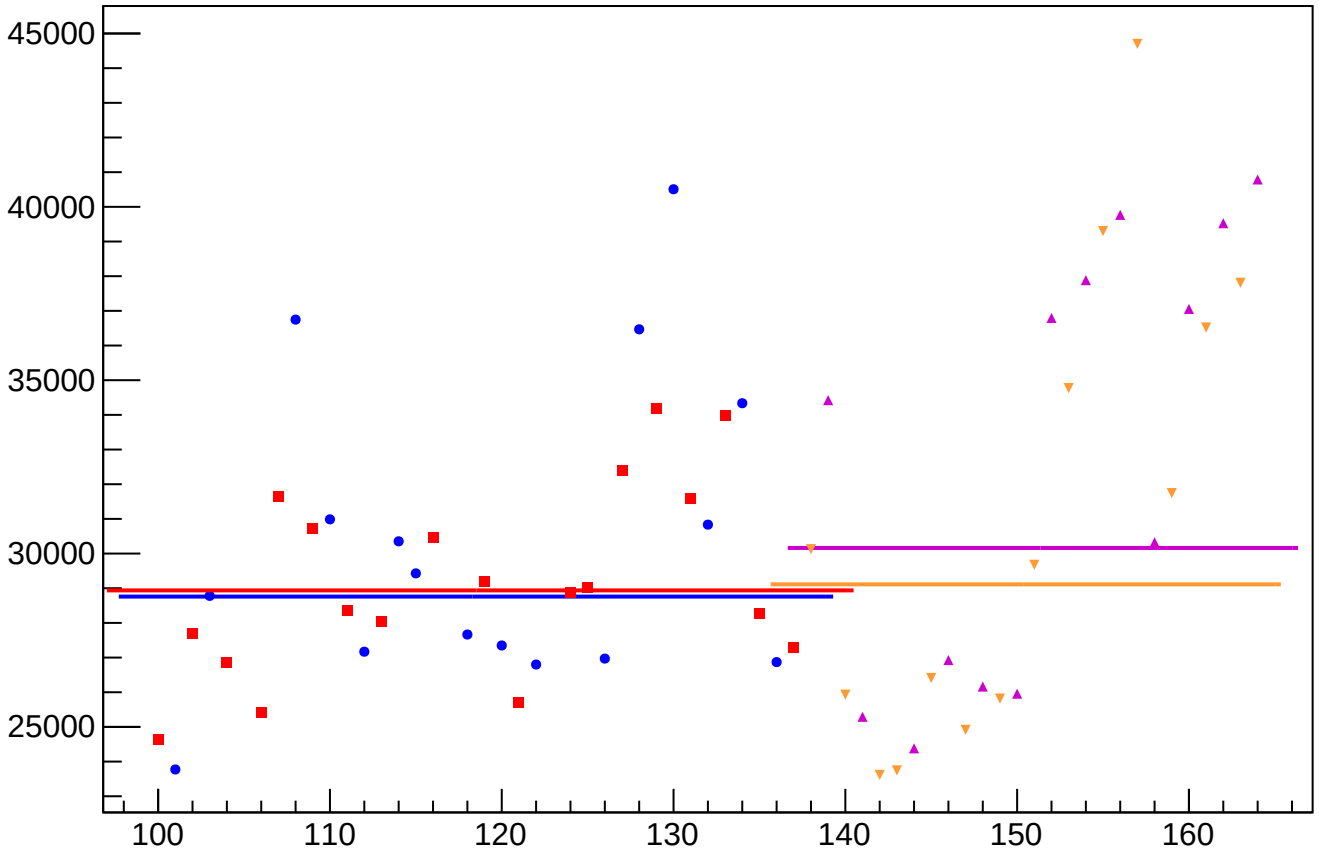
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

\+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -3.106+/-4.905 χ^2/NDF: 61.9/61

\- 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: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

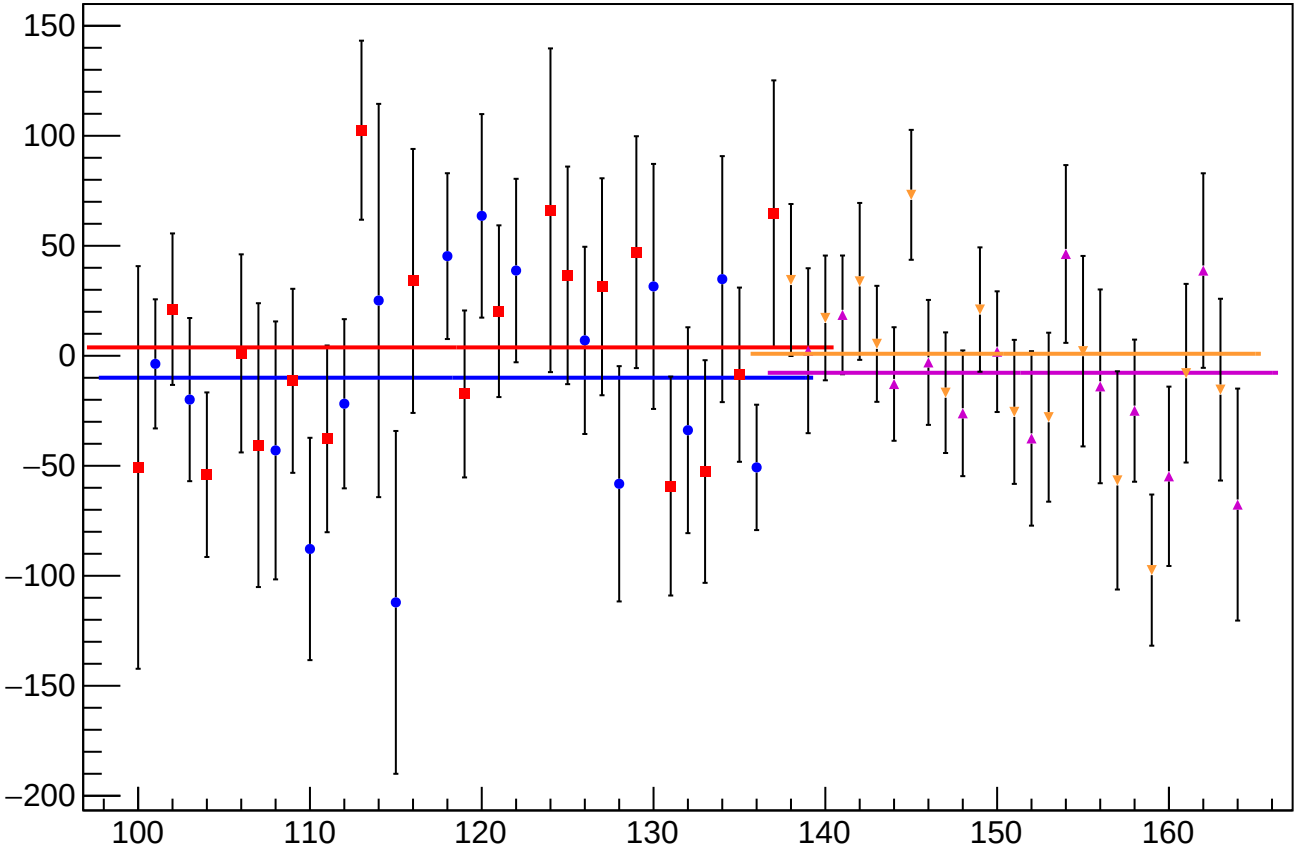
Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

- 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: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

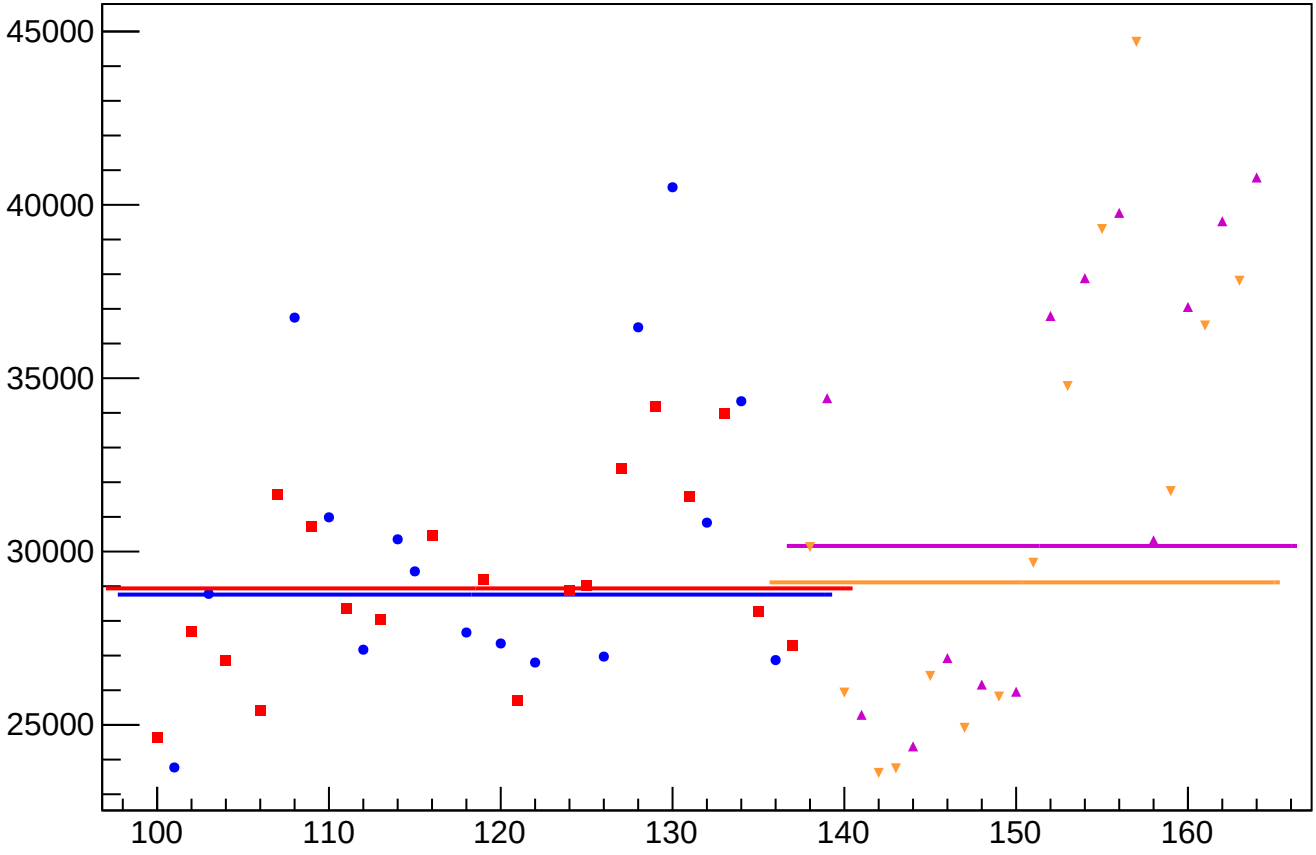
Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -3.106+/-4.905 χ^2/NDF: 61.9/61

- sign -2.731+/-6.999 χ^2/NDF: 26.0/31

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

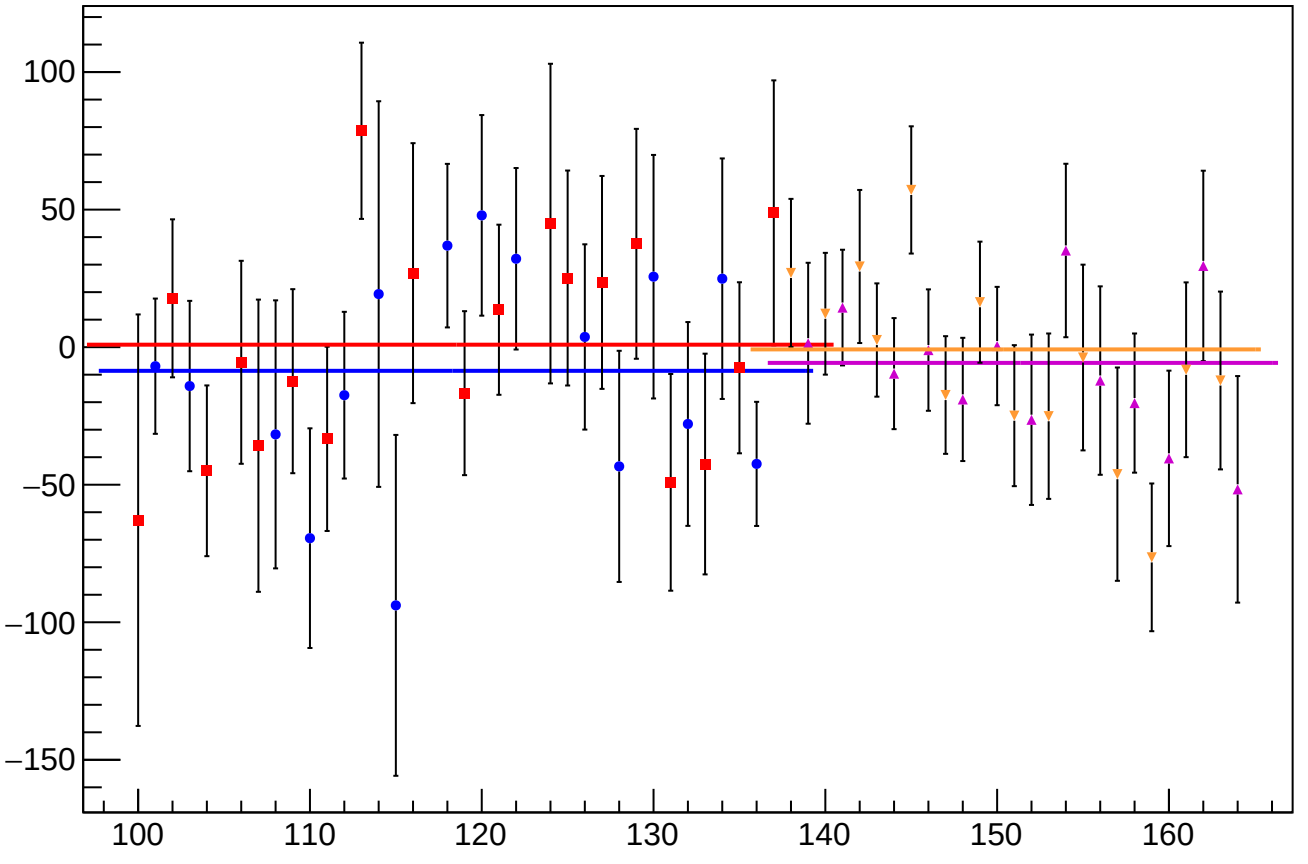
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

- 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: -0.813+/-6.951 χ^2/NDF:21.1/13

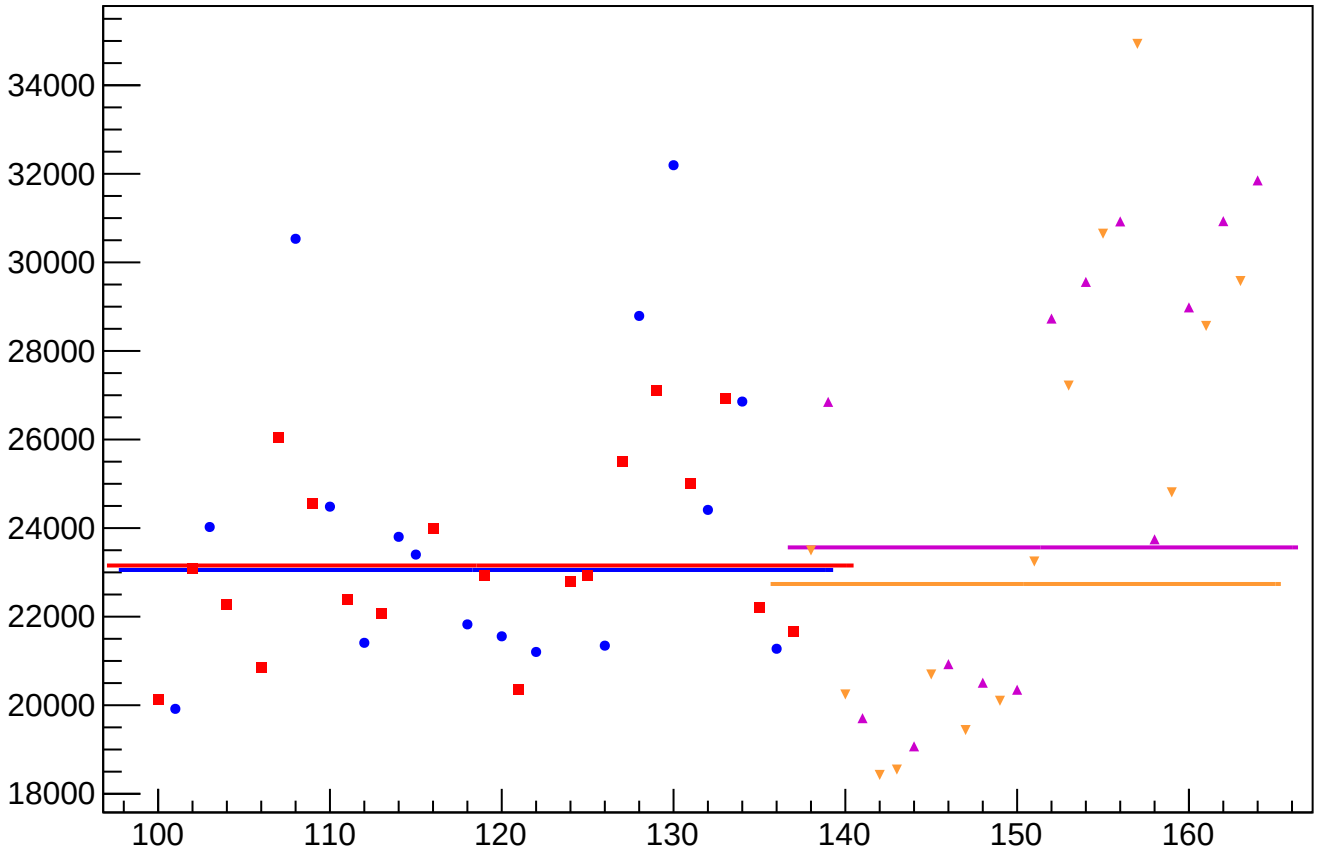
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -5.715+/-7.261 χ^2/NDF:7.5/12

+ sign -3.856+/-5.425 χ^2/NDF: 37.1/29

All: -3.398+/-3.870 χ^2/NDF: 62.5/61

- 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: 22738.019+/-4.915 χ^2/NDF:771452.5/13

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

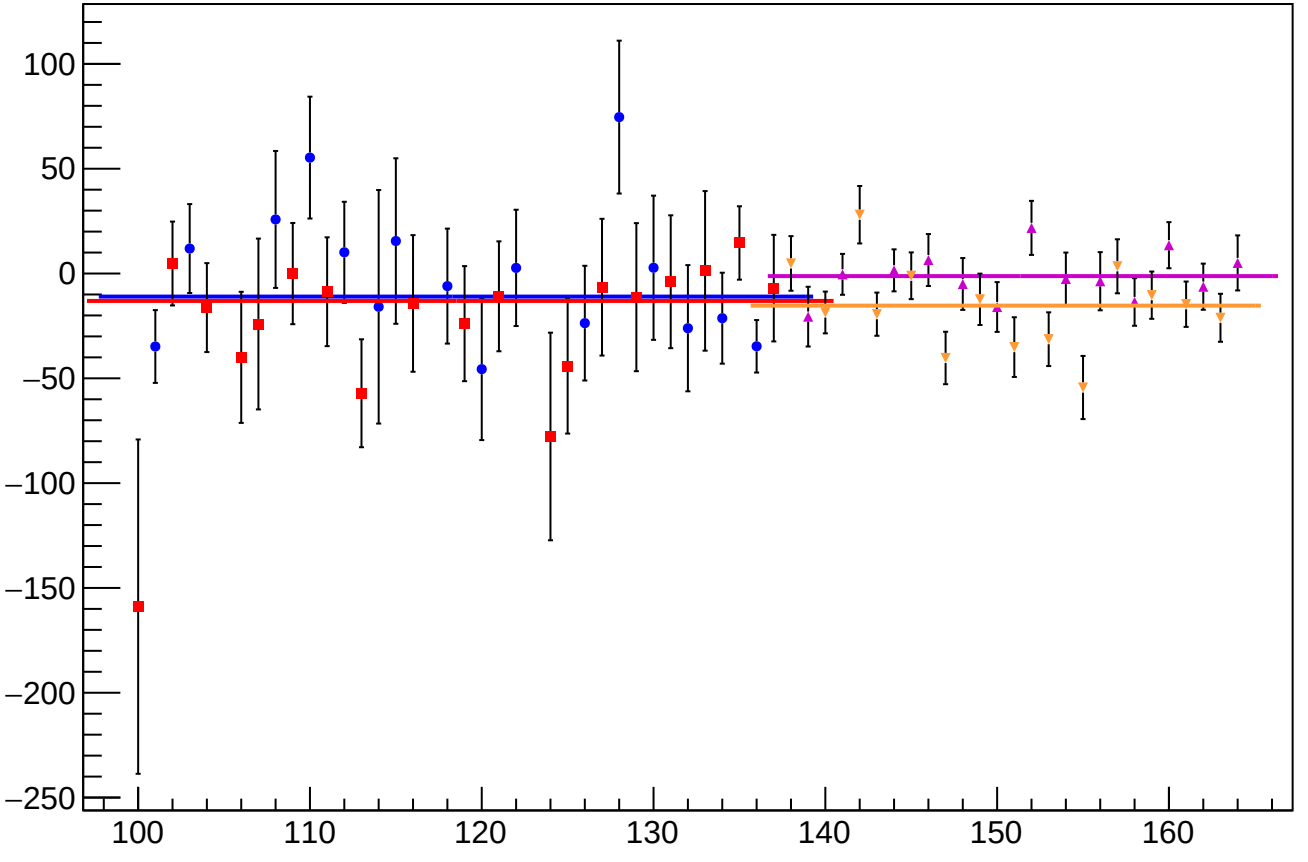
Left In: 23564.164+/-5.135 χ^2/NDF:751974.7/12

+ sign 22861.471+/-3.836 χ^2/NDF: 1034511.7/29

All: 23121.911+/-2.737 χ^2/NDF: 1892438.9/6

- sign 23391.783+/-3.905 χ^2/NDF: 848542.5/31

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.317+/-3.206 χ^2/NDF:31.1/13

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

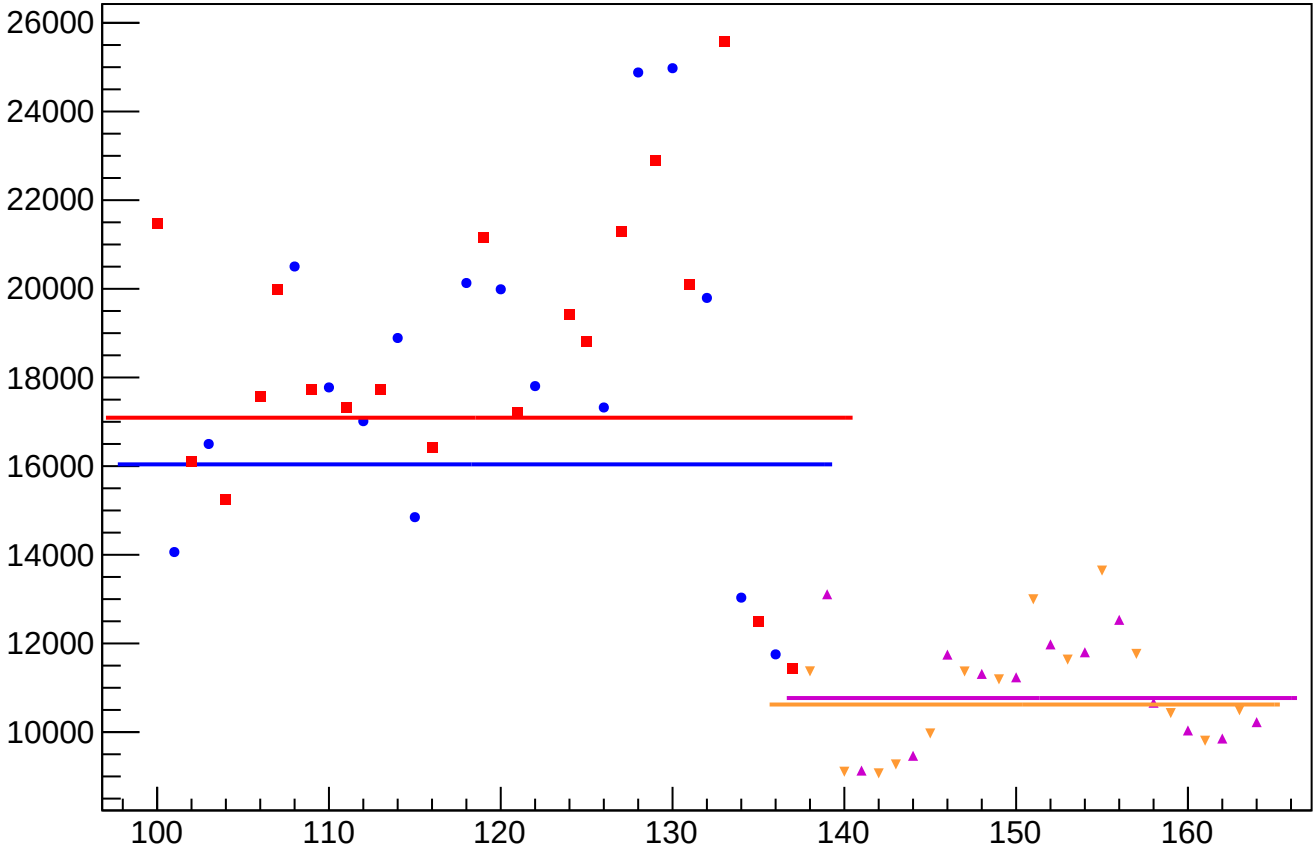
Left In: -1.234+/-3.277 χ^2/NDF:10.6/12

+ sign -14.396+/-2.843 χ^2/NDF: 53.5/29

All: -9.184+/-2.036 χ^2/NDF: 87.6/61

- 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: 10622.444+/-2.267 χ^2/NDF:307620.7/13

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

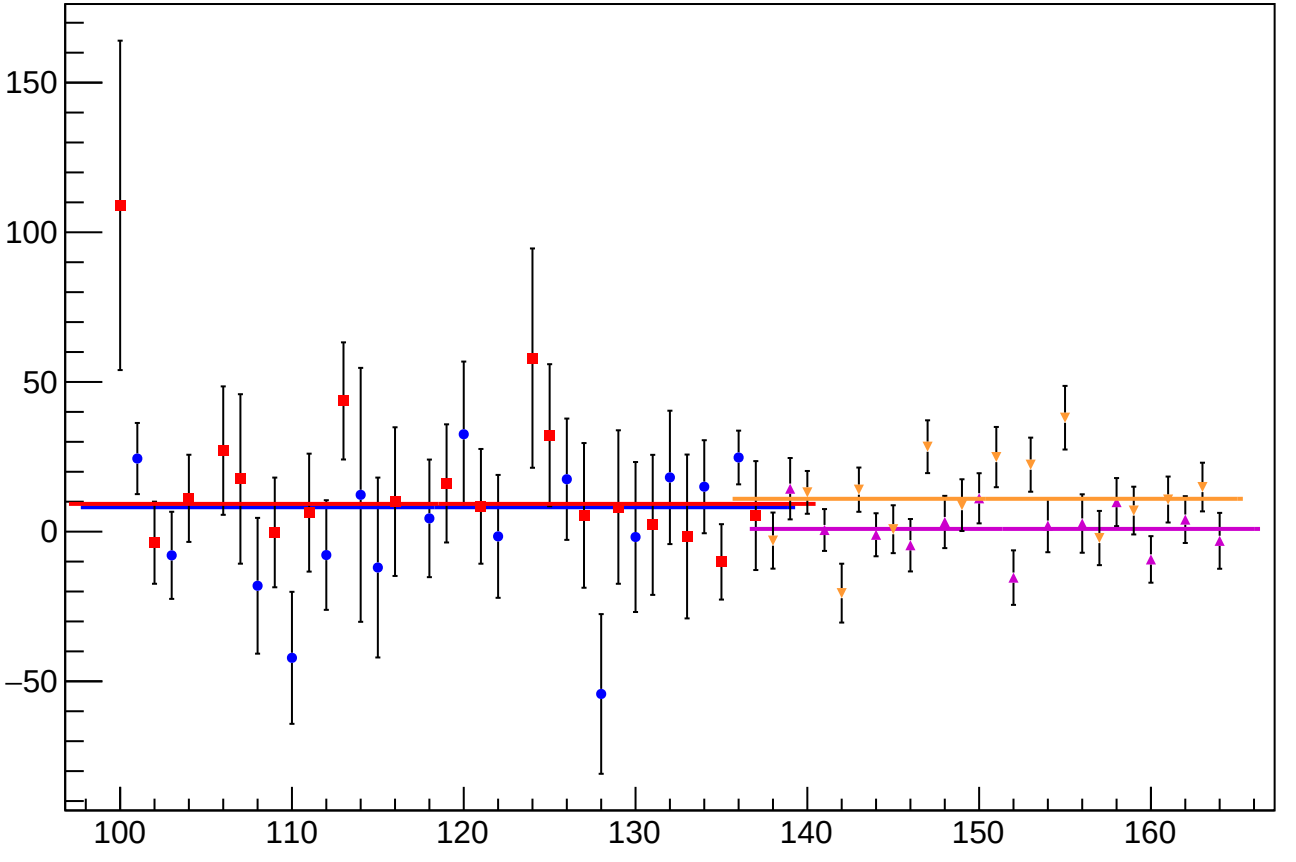
Left In: 10768.678+/-2.317 χ^2/NDF:253098.3/12

+ sign 11778.652+/-2.011 χ^2/NDF: 2249144.0/29

All: 11929.655+/-1.439 χ^2/NDF: 4603307.6/6

- 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: 10.969+/-2.279 χ^2/NDF:30.9/13

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

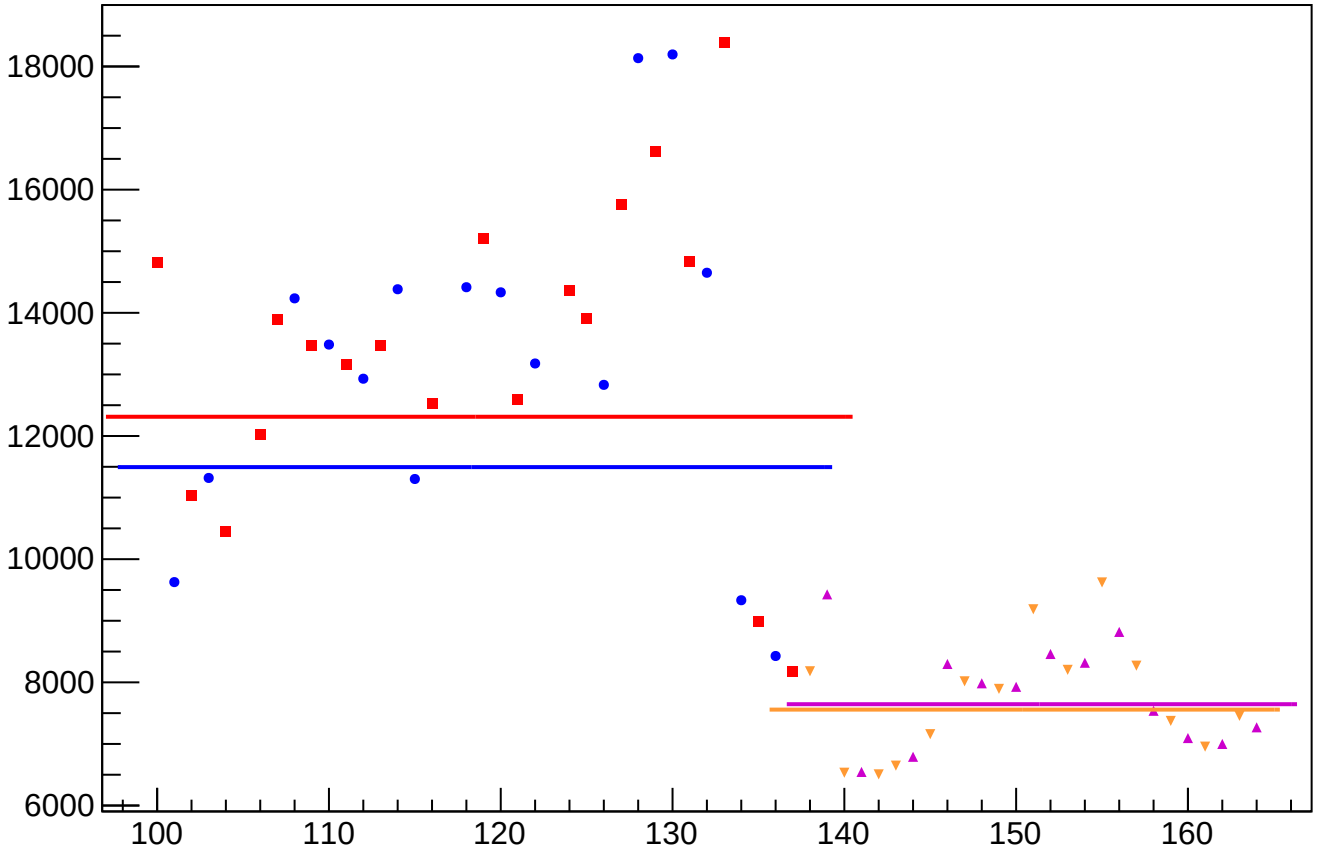
Left In: 0.910+/-2.326 χ^2/NDF:10.3/12

+ sign 10.378+/-2.026 χ^2/NDF: 53.0/29

All: 6.588+/-1.450 χ^2/NDF: 87.0/61

- 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: 7557.480+/-1.612 χ^2/NDF:280700.7/13

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

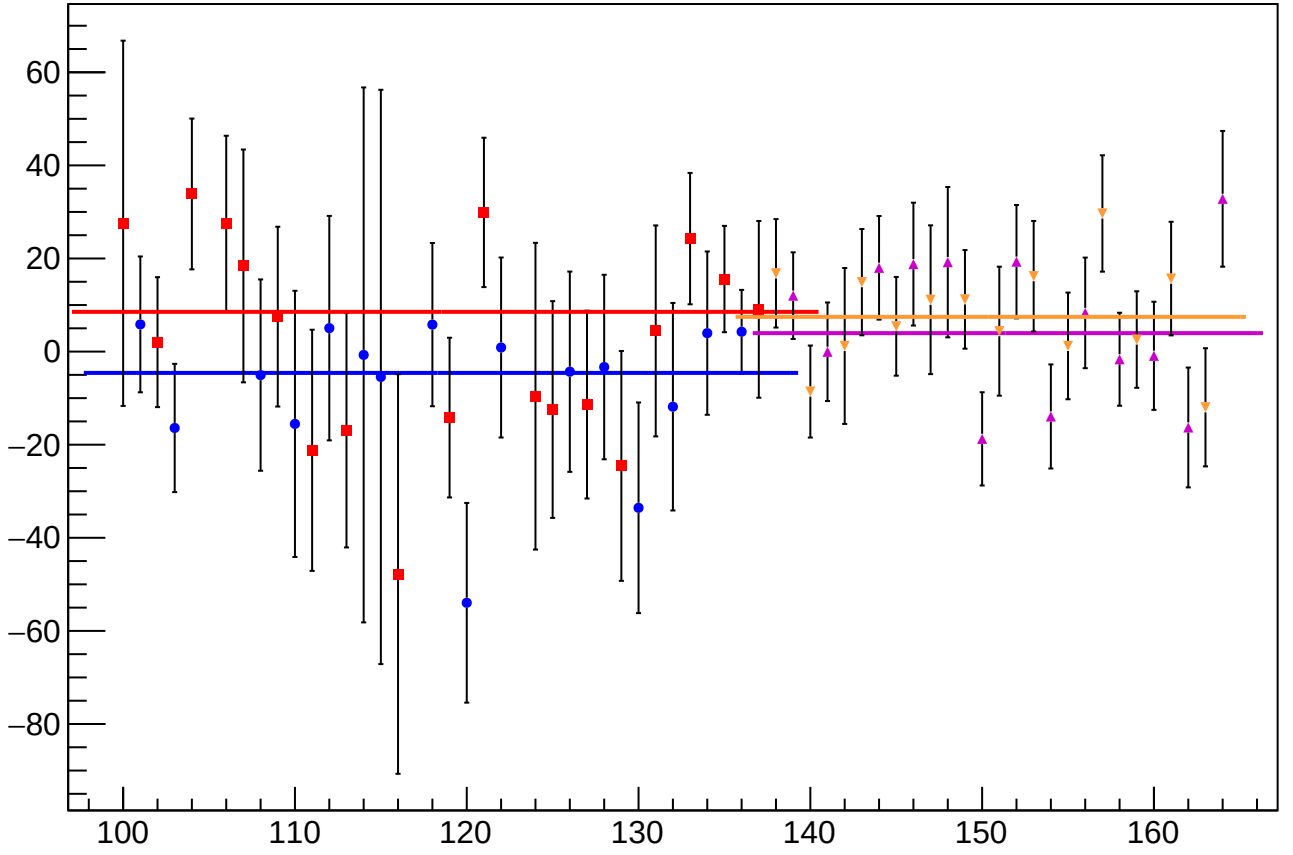
Left In: 7645.250+/-1.645 χ^2/NDF:238278.2/12

+ sign 8383.839+/-1.433 χ^2/NDF: 2323160.3/29

All: 8485.983+/-1.025 χ^2/NDF: 4806246.4/61

- 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: 7.454+/-3.176 χ^2/NDF:11.1/13

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

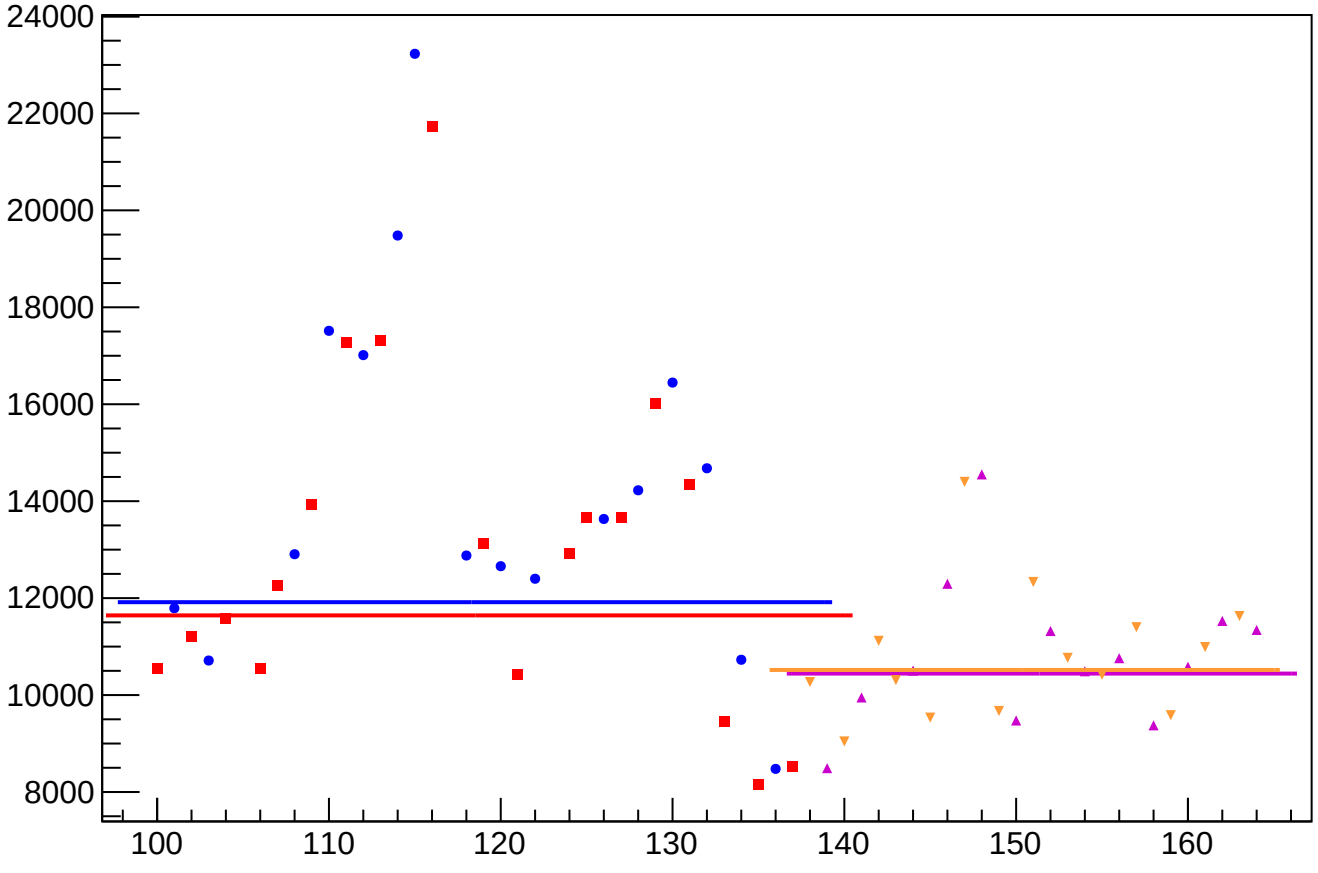
Left In: 3.967+/-3.193 χ^2/NDF:21.0/12

+ sign 3.517+/-2.605 χ^2/NDF: 26.1/29

All: 4.541+/-1.834 χ^2/NDF: 65.2/61

- 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: 10518.241+/-2.246 χ^2/NDF:276501.1/13

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

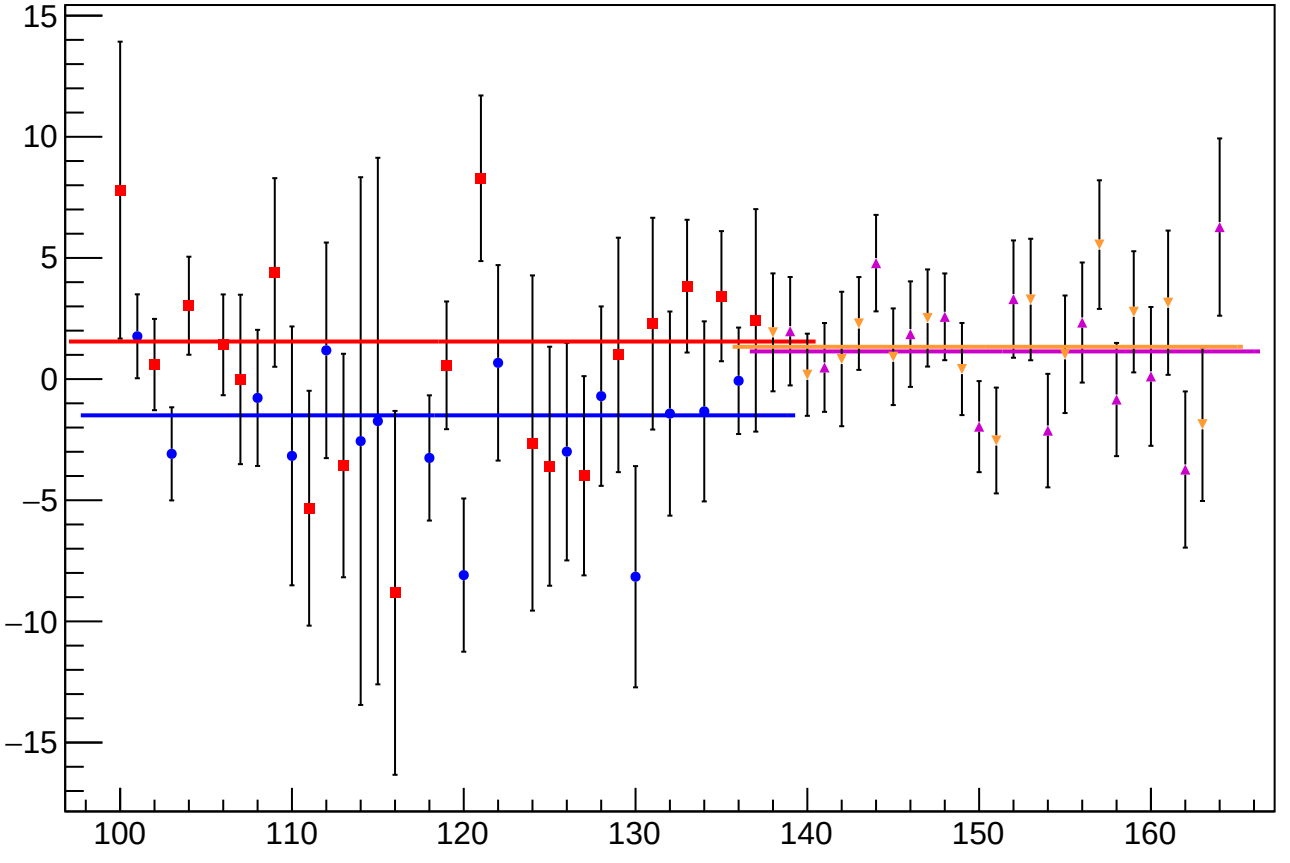
Left In: 10443.586+/-2.258 χ^2/NDF:336843.4/12

+ sign 10975.752+/-1.842 χ^2/NDF: 1153094.8/29

All: 10916.585+/-1.297 χ^2/NDF: 2380024.6/6

- 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: 1.332+/-0.603 χ^2/NDF:9.4/13

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

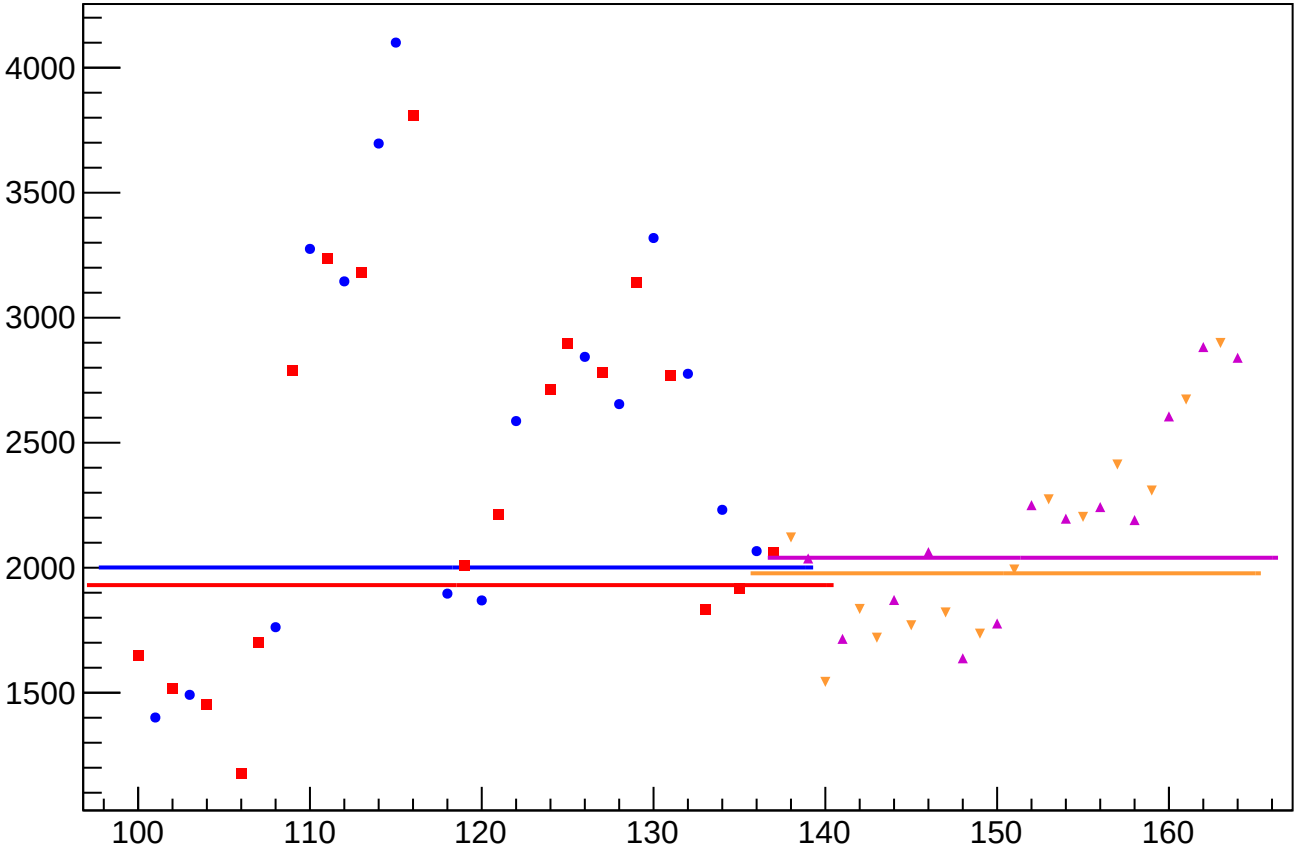
Left In: 1.142+/-0.627 χ^2/NDF:15.2/12

+ sign 0.271+/-0.477 χ^2/NDF: 30.3/29

All: 0.788+/-0.338 χ^2/NDF: 64.3/61

- 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: 1977.676+/-0.426 χ^2/NDF:658228.4/13

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

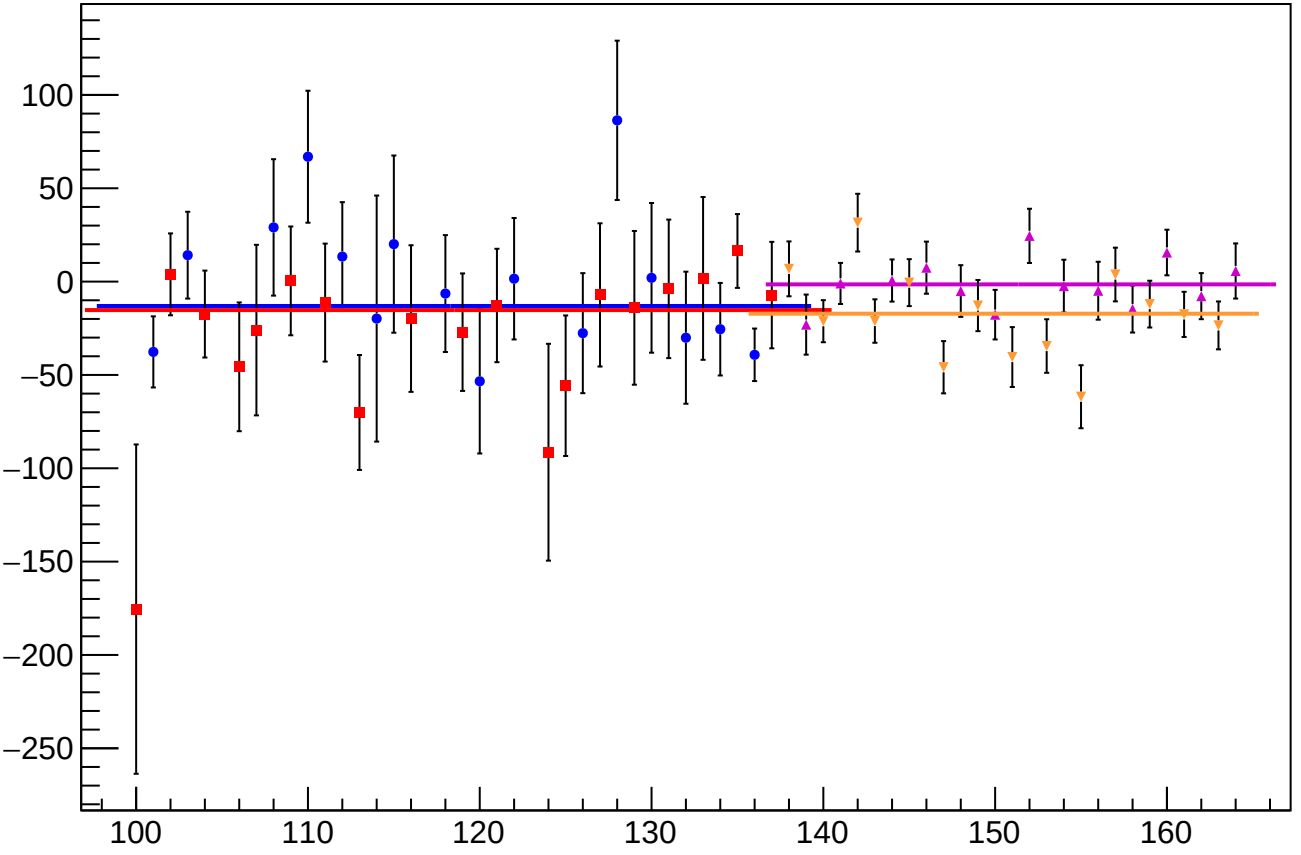
Left In: 2039.882+/-0.443 χ^2/NDF:573206.2/12

+ sign 1986.428+/-0.337 χ^2/NDF: 1849135.0/29

All: 1990.445+/-0.239 χ^2/NDF: 3851481.5/61

- 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: -17.198+/-3.599 χ^2/NDF:31.9/13

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

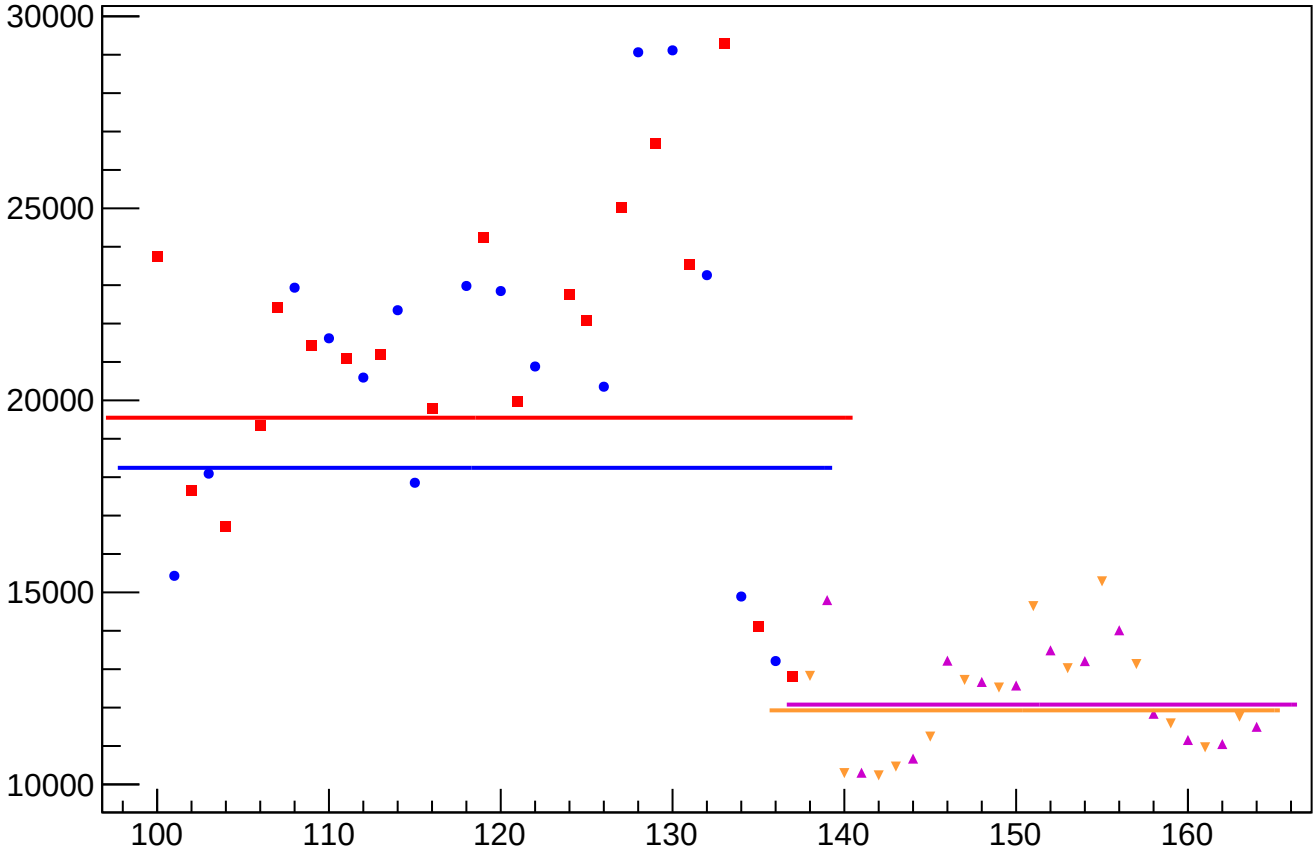
Left In: -1.487+/-3.676 χ^2/NDF:10.6/12

+ sign -16.339+/-3.203 χ^2/NDF: 54.1/29

All: -10.451+/-2.293 χ^2/NDF: 88.8/61

- 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: 11928.137+/-2.545 χ^2/NDF:297867.6/13

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

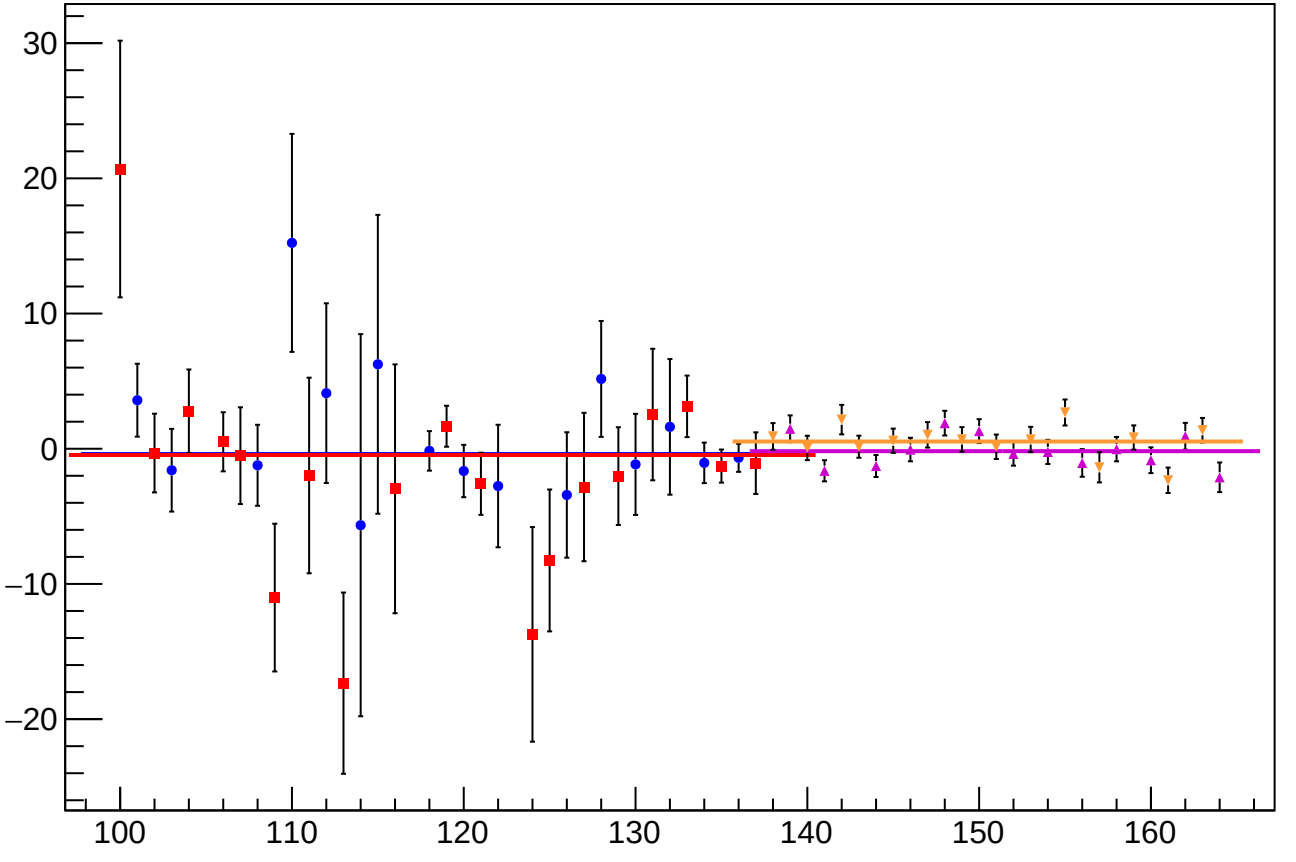
Left In: 12078.281+/-2.599 χ^2/NDF:251914.2/12

+ sign 13240.759+/-2.265 χ^2/NDF: 2397513.9/29

All: 13407.330+/-1.622 χ^2/NDF: 4945399.5/6

- 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: 0.536+/-0.250 χ^2/NDF:21.6/13

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

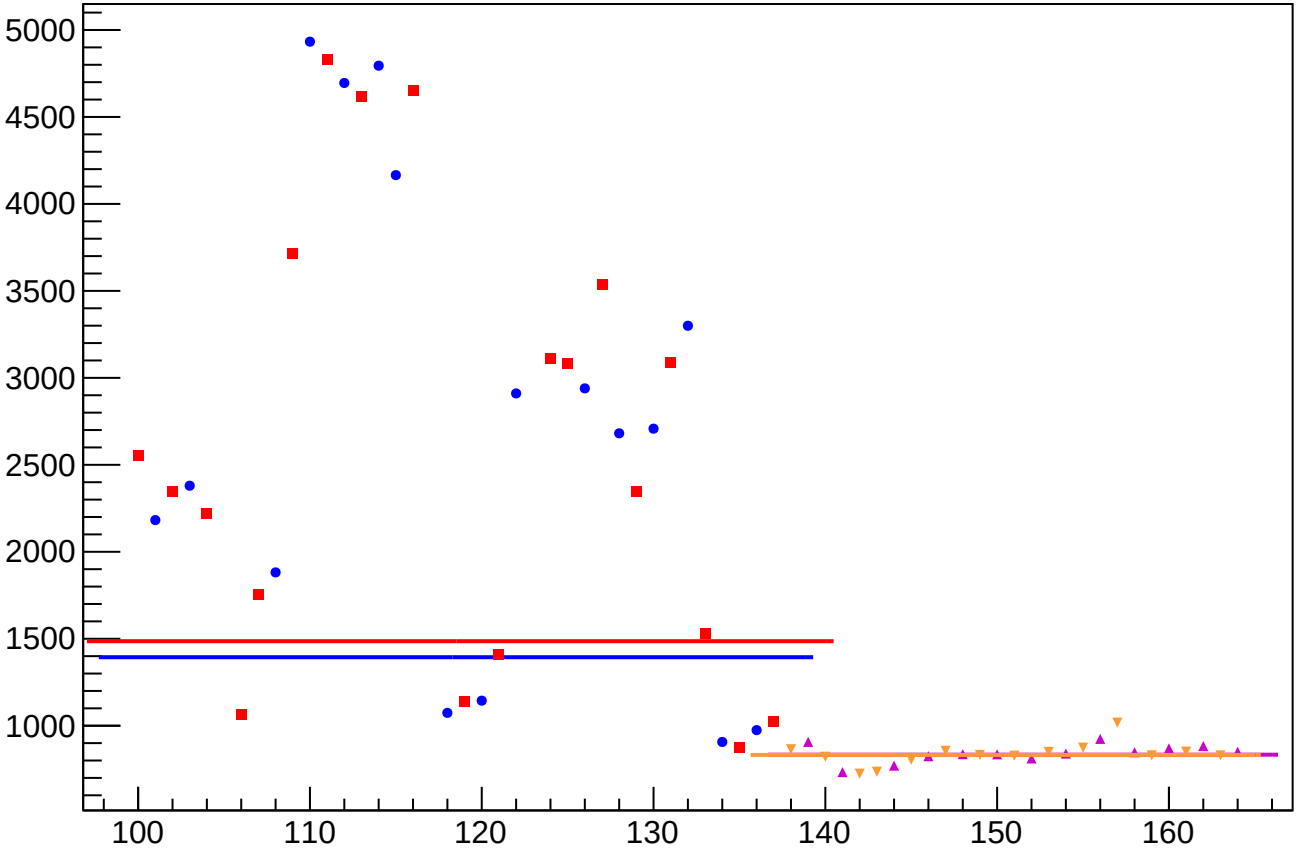
Left In: -0.180+/-0.253 χ^2/NDF:21.7/12

+ sign 0.399+/-0.231 χ^2/NDF: 34.0/29

All: 0.096+/-0.164 χ^2/NDF: 87.5/61

- 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: 832.201+/-0.177 χ^2/NDF:113863.4/13

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

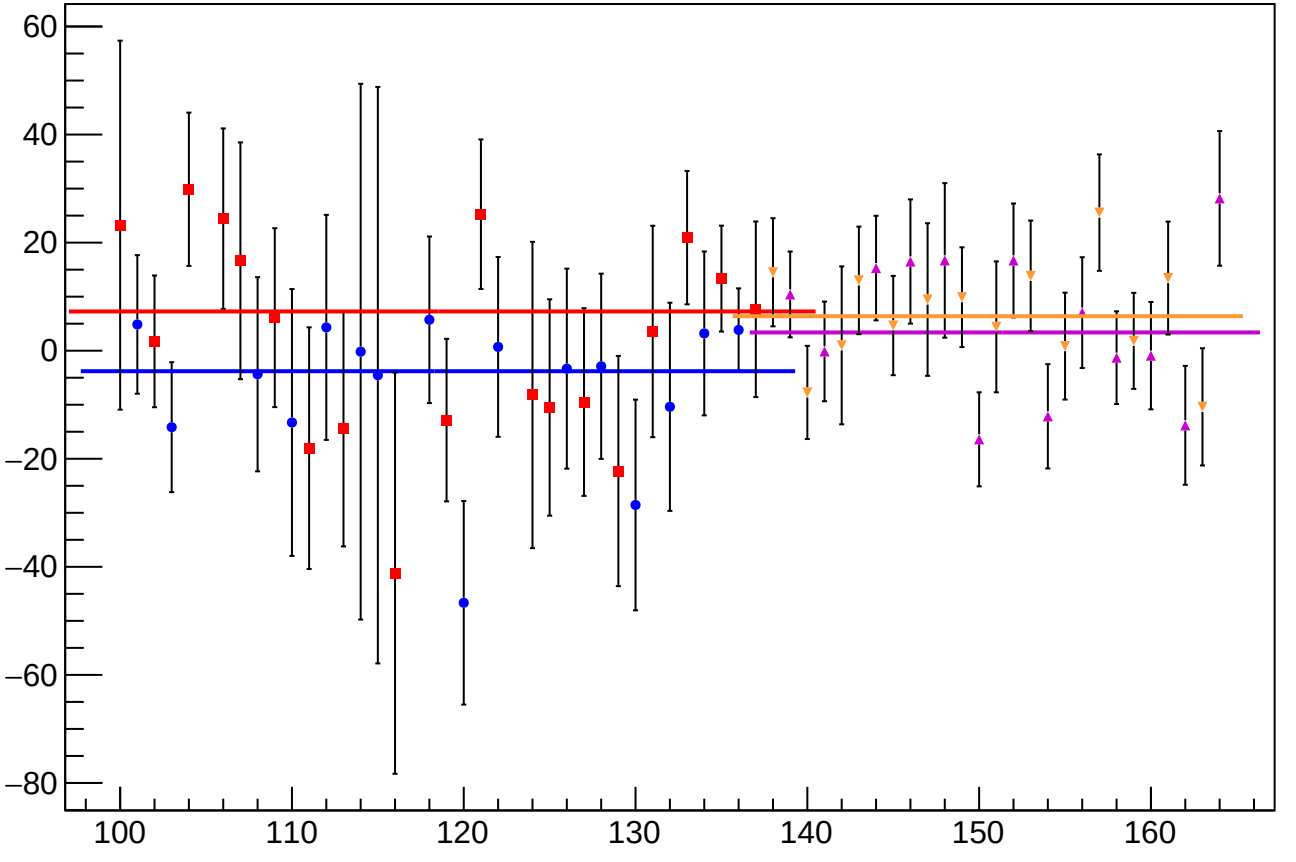
Left In: 833.495+/-0.179 χ^2/NDF:82313.4/12

+ sign 915.103+/-0.163 χ^2/NDF: 4988388.8/29

All: 918.936+/-0.116 χ^2/NDF: 10299356.7/61

- 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: 6.384+/-2.749 χ^2/NDF:11.3/13

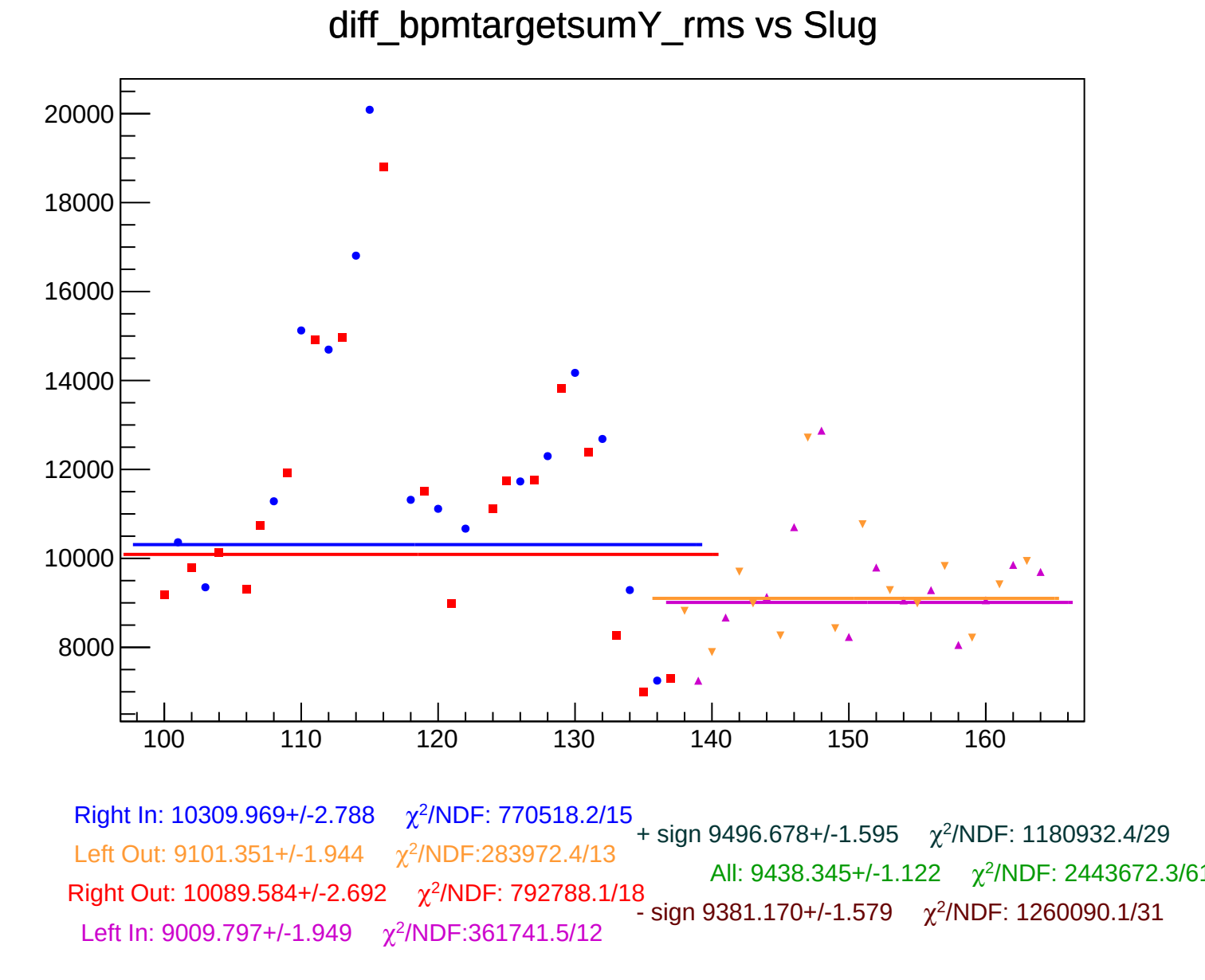
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 3.379+/-2.756 χ^2/NDF:21.0/12

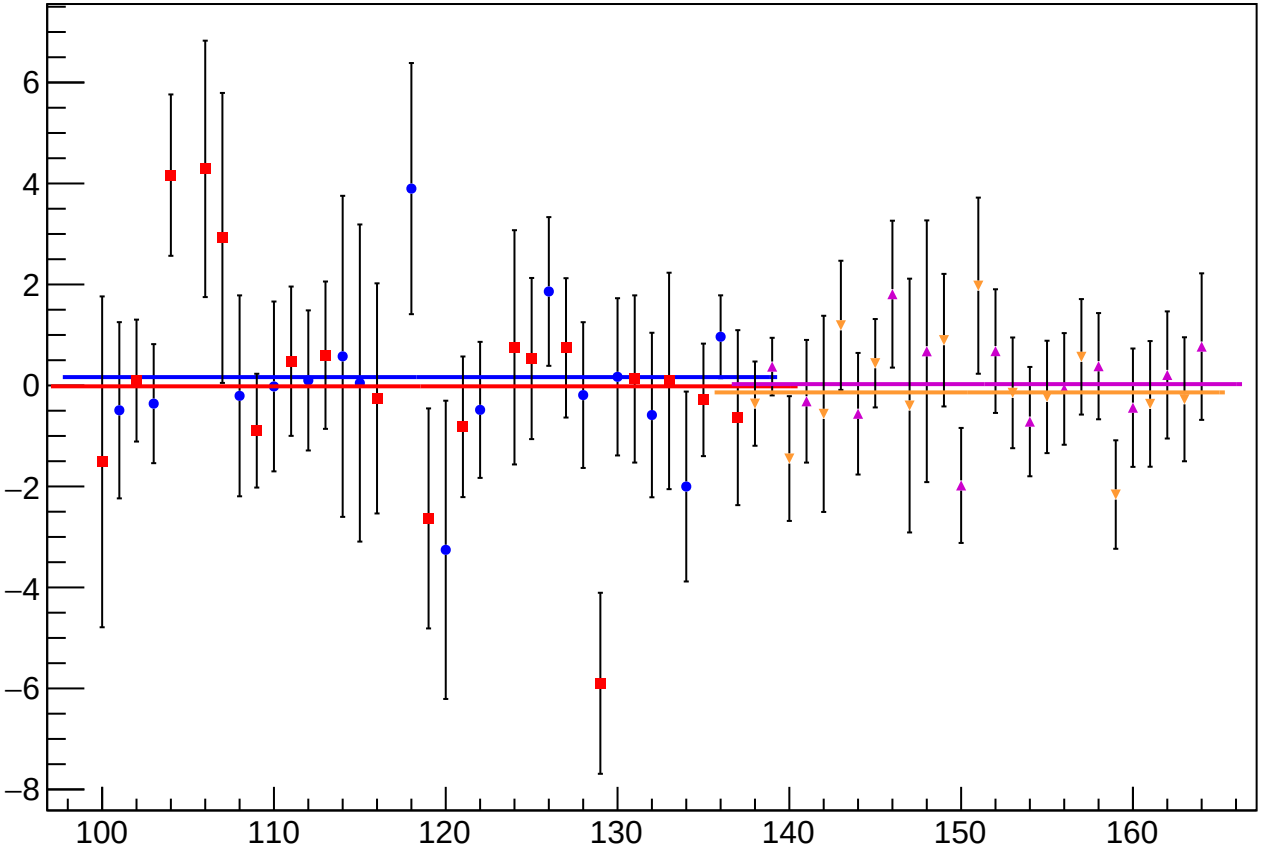
+ sign 3.055+/-2.255 χ^2/NDF: 25.8/29

All: 3.893+/-1.587 χ^2/NDF: 65.0/61

- 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: 9101.351+/-1.944 χ²/NDF:283972.4/13
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9009.797+/-1.949 χ²/NDF:361741.5/12
+ sign 9496.678+/-1.595 χ²/NDF: 1180932.4/29
All: 9438.345+/-1.122 χ²/NDF: 2443672.3/61
- 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: -0.137+/-0.317 χ^2/NDF:8.8/13

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

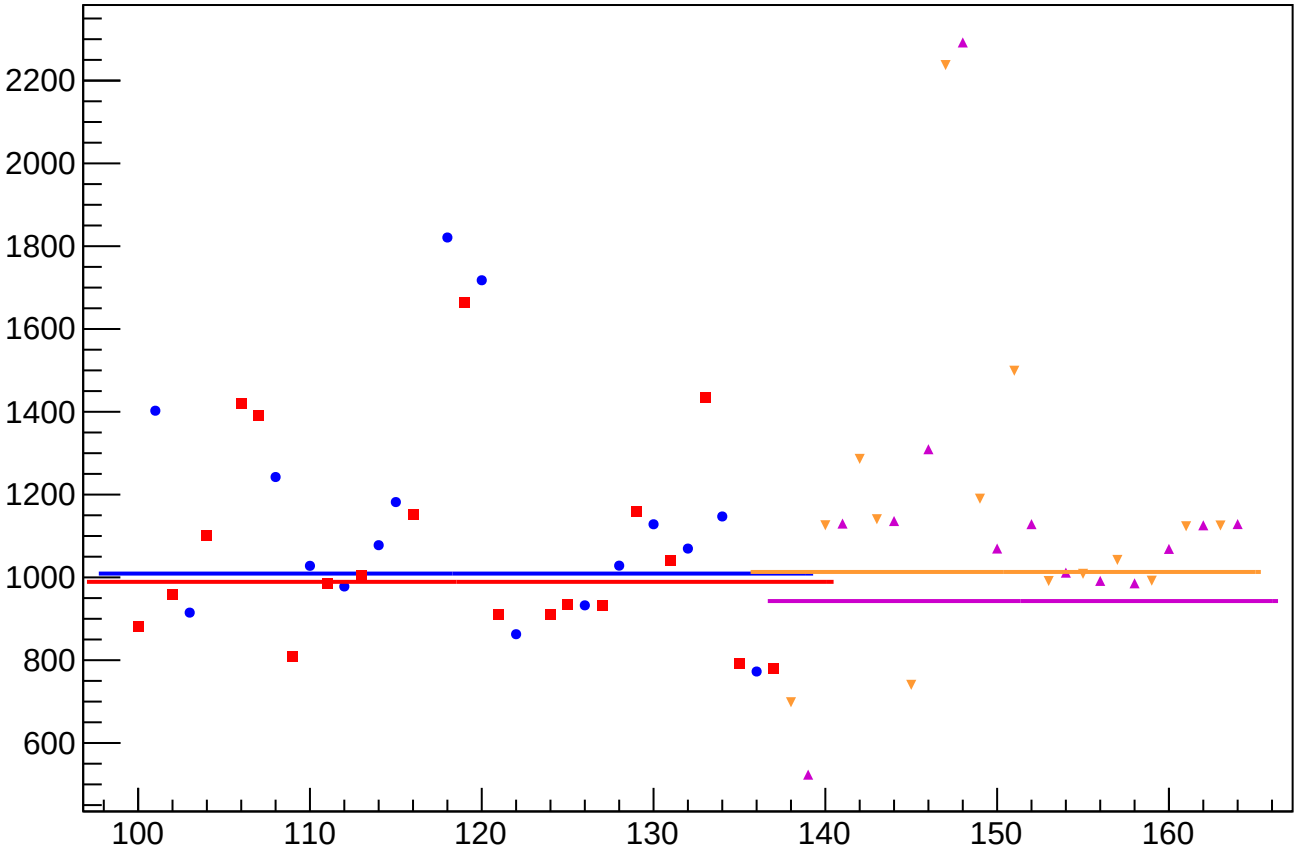
Left In: 0.026+/-0.303 χ^2/NDF:6.7/12

+ sign -0.015+/-0.245 χ^2/NDF: 17.3/29

All: -0.003+/-0.170 χ^2/NDF: 49.2/61

- 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: 1013.140+/-0.224 χ^2/NDF:1256462.1/13

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

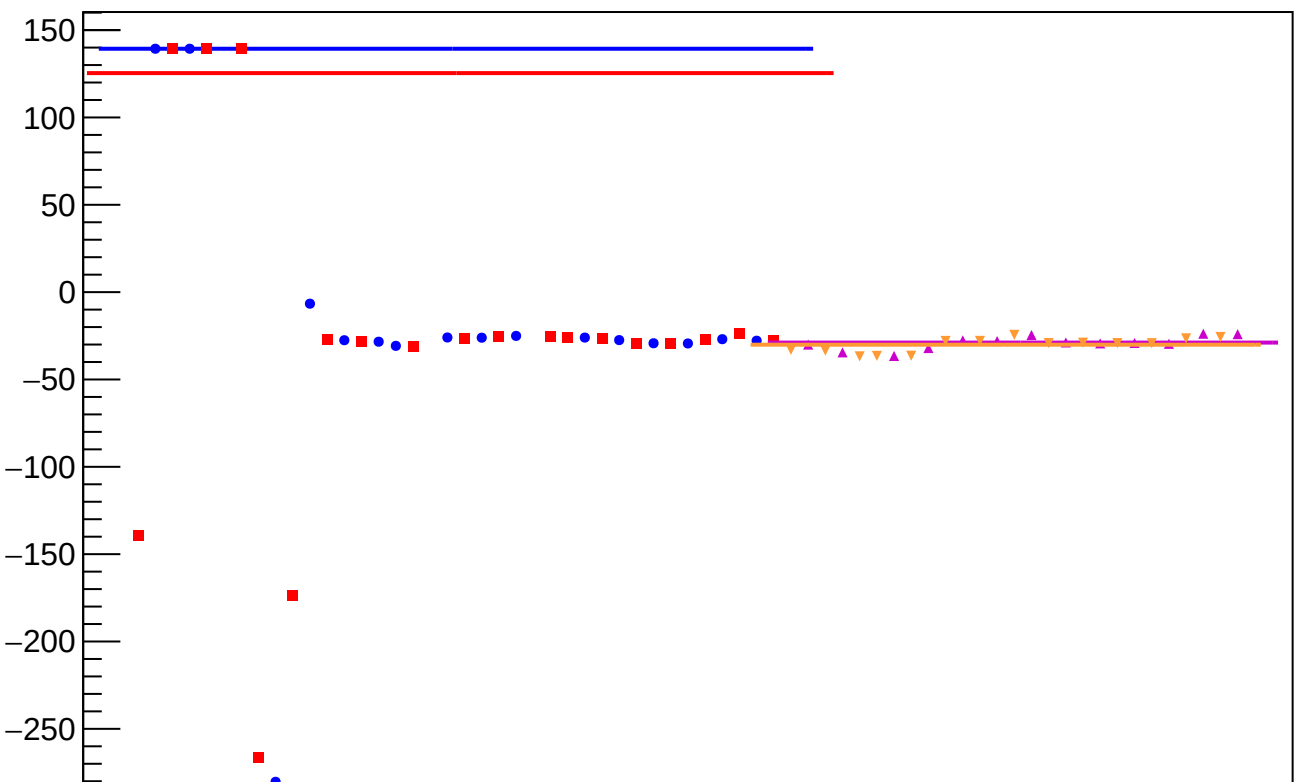
Left In: 942.841+/-0.214 χ^2/NDF:2033721.2/12

+ sign 1011.560+/-0.173 χ^2/NDF: 1955888.8/29

All: 985.349+/-0.120 χ^2/NDF: 4627859.0/61

- sign 961.316+/-0.166 χ^2/NDF: 2628190.1/31

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.091+/-0.000 χ^2/NDF:100445913.5/13

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

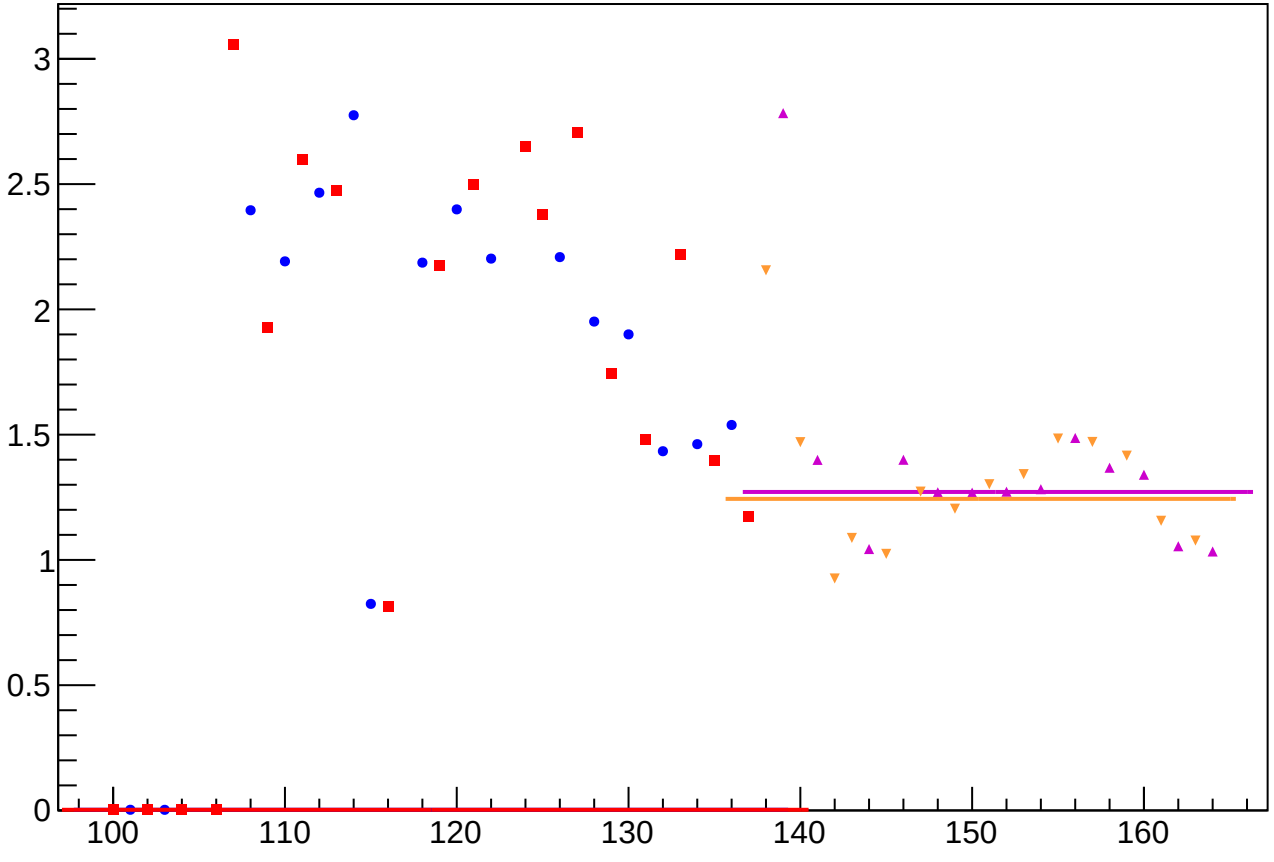
Left In: -28.877+/-0.000 χ^2/NDF:85708224.6/12

+ sign 139.331+/-0.000 χ^2/NDF: 210088830172.9/2

All: 131.814+/-0.000 χ^2/NDF: 79329274161

- 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: 1.244+/-0.000 χ^2/NDF:556246.2/13

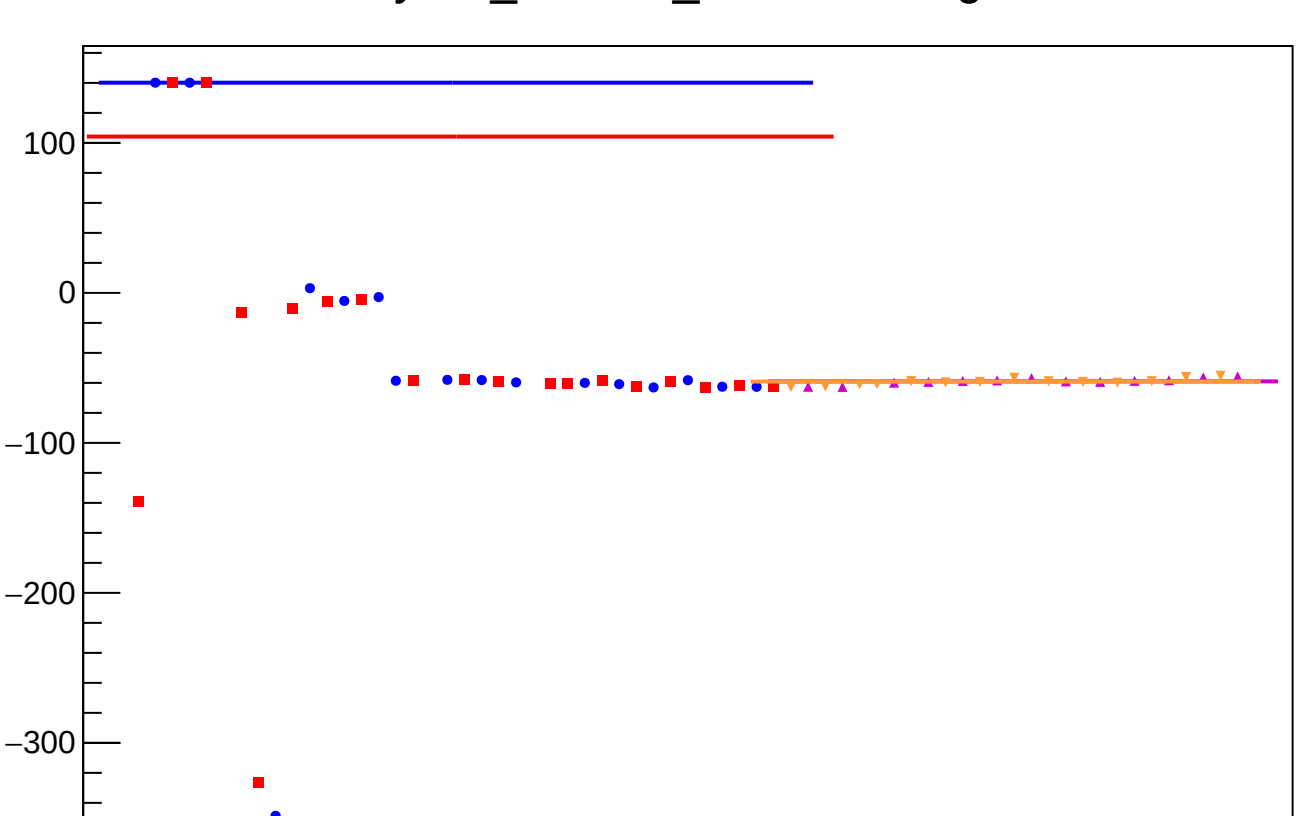
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.271+/-0.000 χ^2/NDF:721866.8/12

+ sign 0.003+/-0.000 χ^2/NDF: 27600437.7/29

All: 0.003+/-0.000 χ^2/NDF: 55356751.3/61

- 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: -59.124+/-0.000 χ^2/NDF:102371050.0/13

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

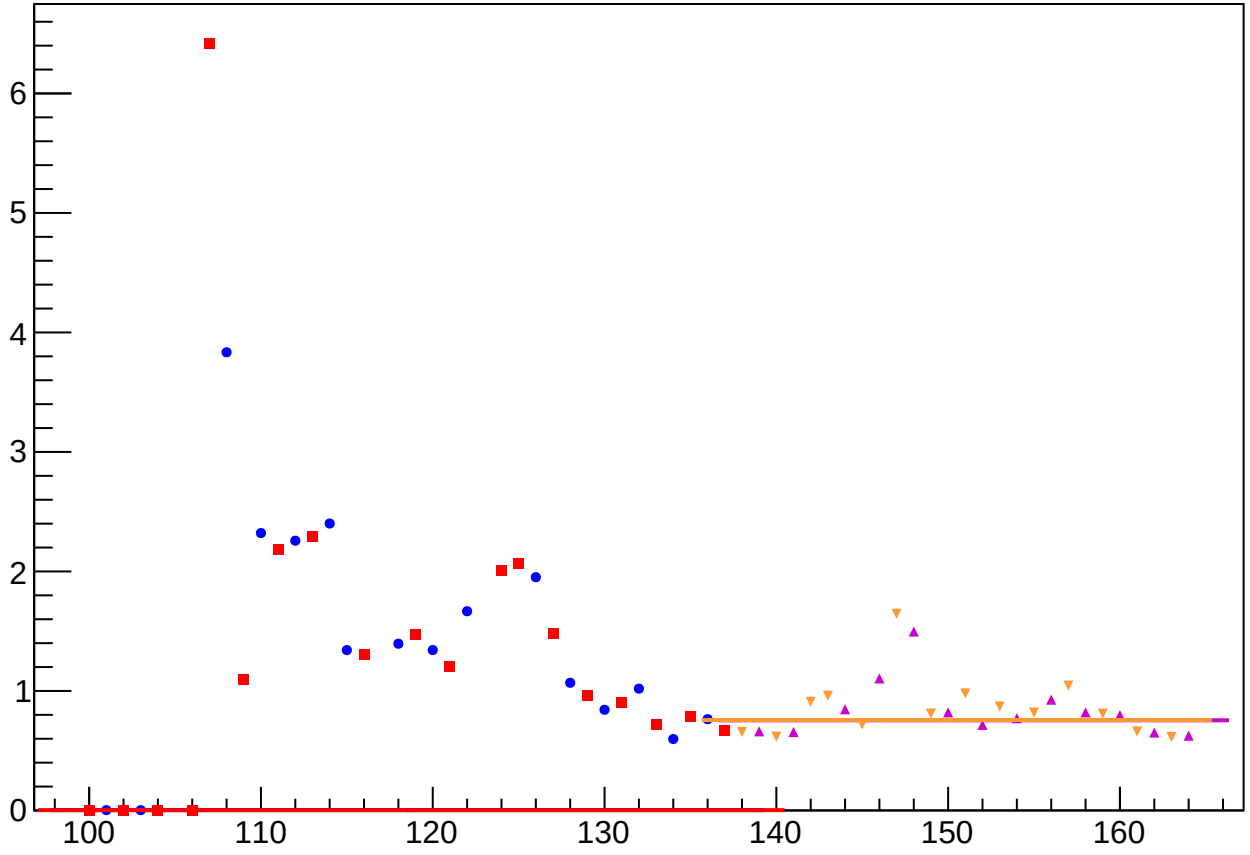
Left In: -58.993+/-0.000 χ^2/NDF:88552239.0/12

+ sign 140.127+/-0.000 χ^2/NDF: 777074313882.0/2

All: 120.818+/-0.000 χ^2/NDF: 13818577452

- 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: 0.756+/-0.000 χ^2/NDF:921843.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

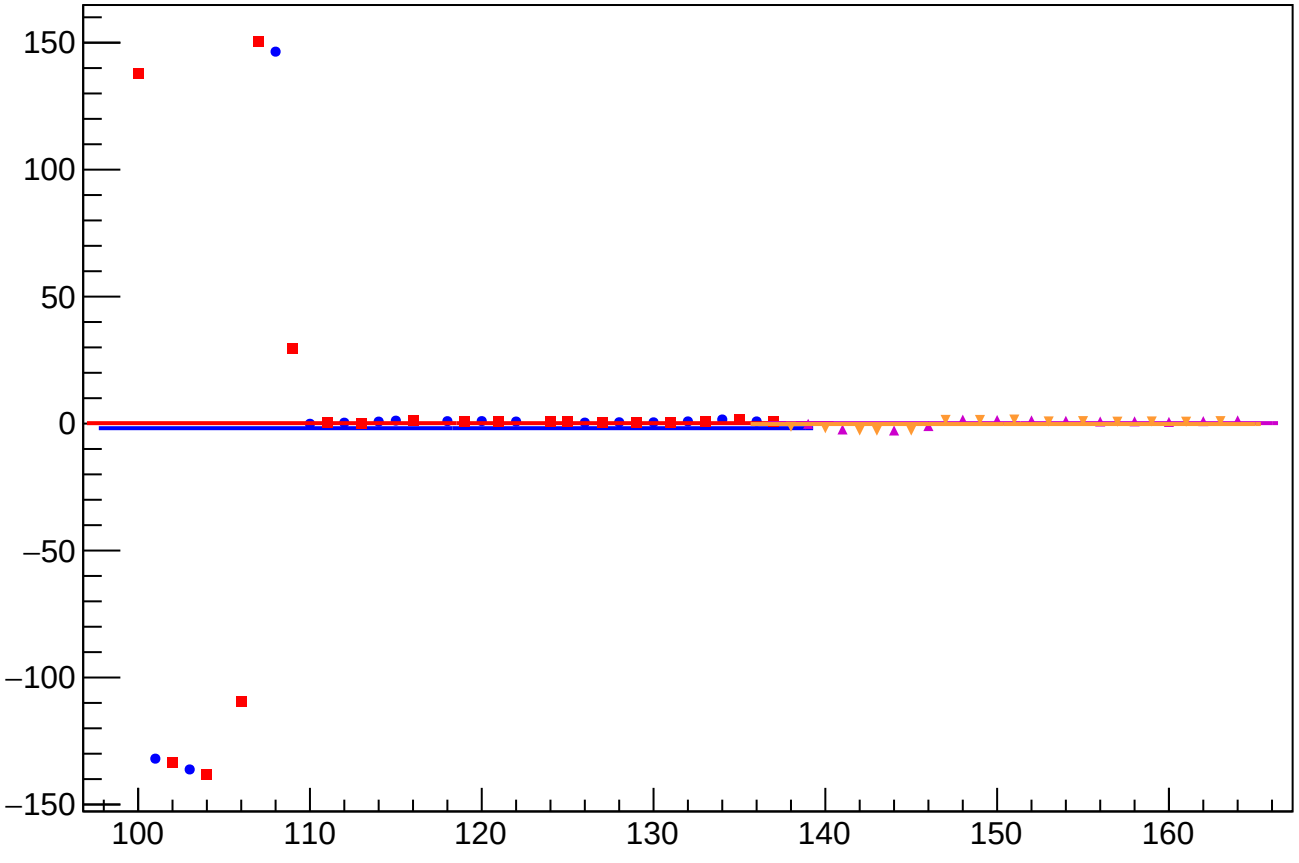
Left In: 0.754+/-0.000 χ^2/NDF:713524.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 28372060.2/29

All: 0.003+/-0.000 χ^2/NDF: 56164488.6/61

- sign 0.003+/-0.000 χ^2/NDF: 27792095.2/31

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.182+/-0.000 χ^2/NDF:90735804.8/13

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

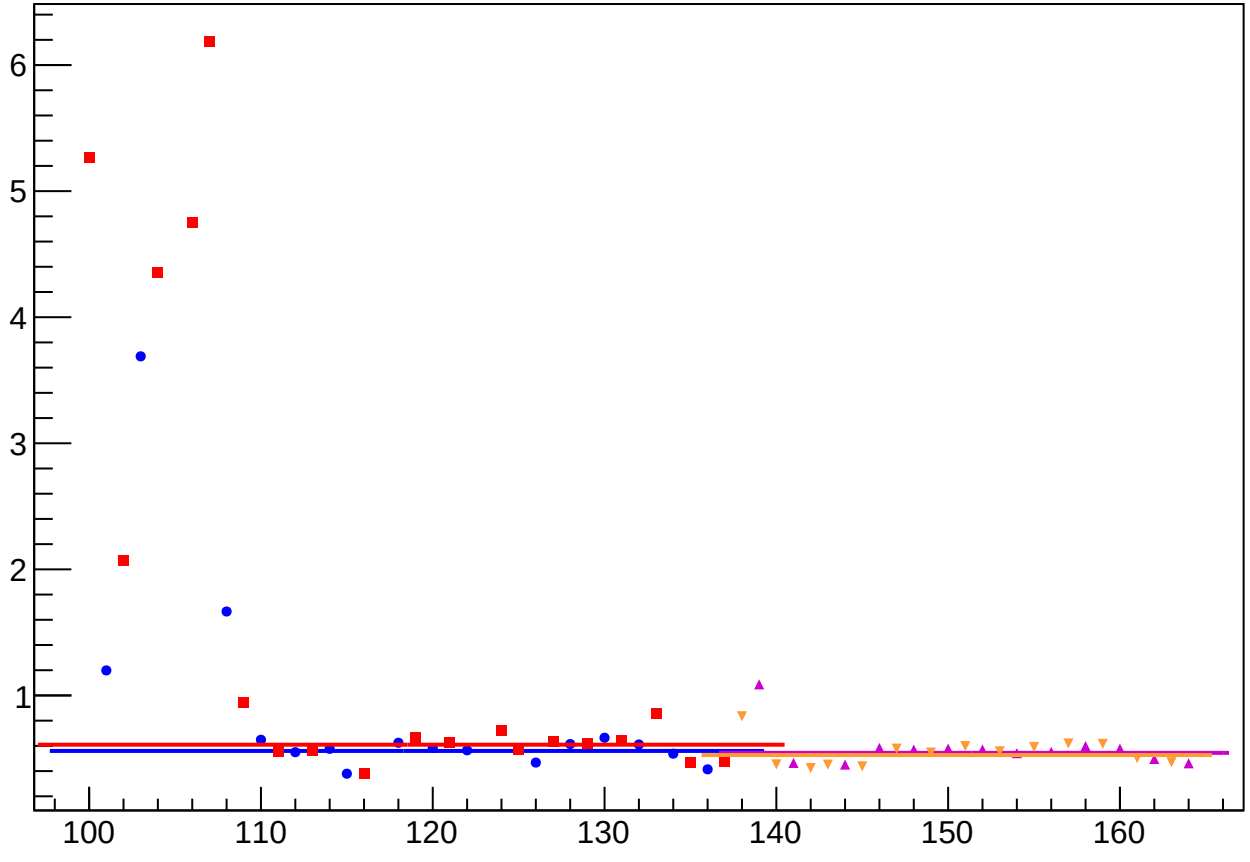
Left In: 0.179+/-0.000 χ^2/NDF:66086211.3/12

+ sign -0.738+/-0.000 χ^2/NDF: 10006410624.8/29

All: -0.306+/-0.000 χ^2/NDF: 13702466317.5/

- 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: 0.527+/-0.000 χ^2/NDF:464348.6/13

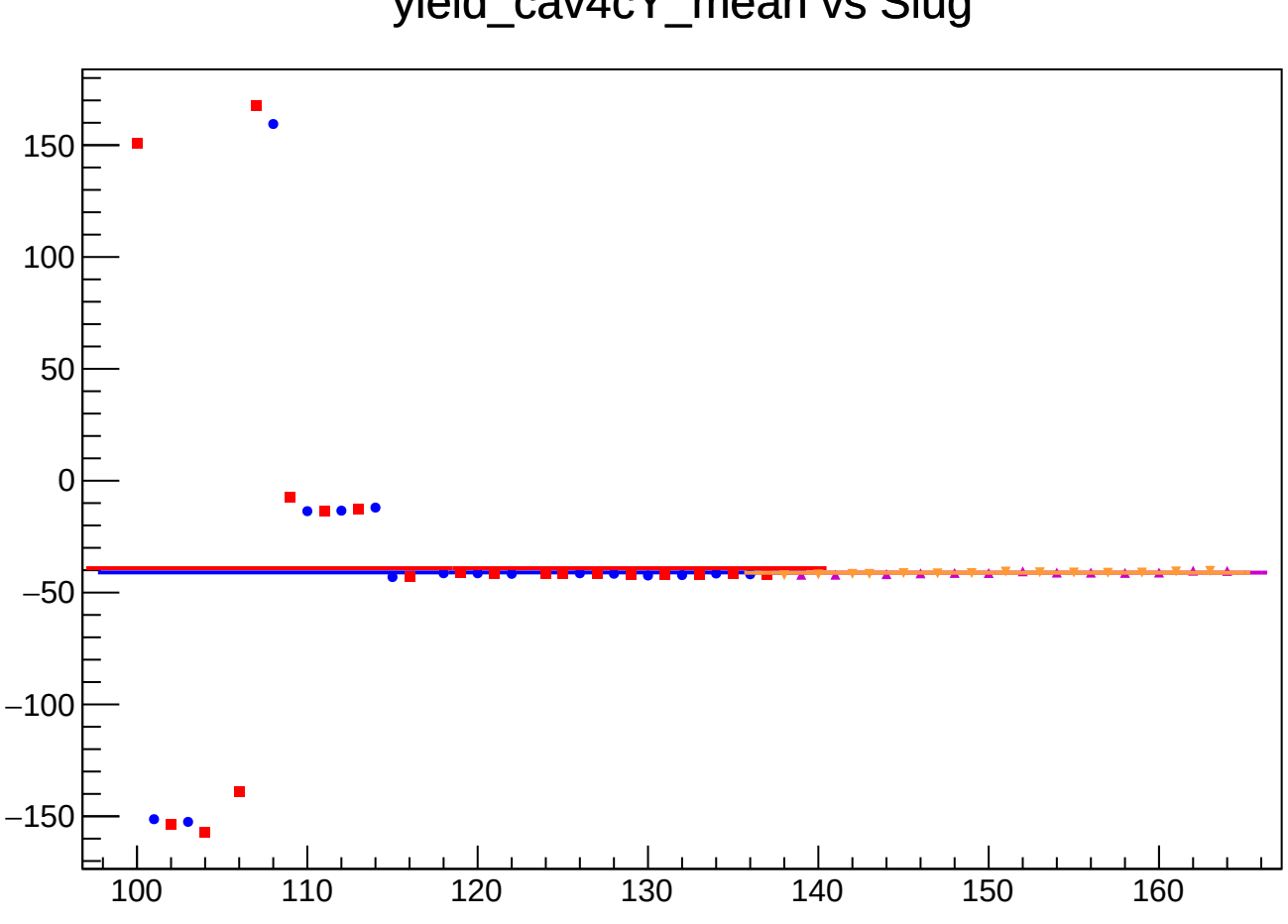
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.545+/-0.000 χ^2/NDF:590436.0/12

+ sign 0.538+/-0.000 χ^2/NDF: 2085469.6/29

All: 0.551+/-0.000 χ^2/NDF: 5260784.5/61

- 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: -41.137+/-0.000 χ^2/NDF:19892605.4/13

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

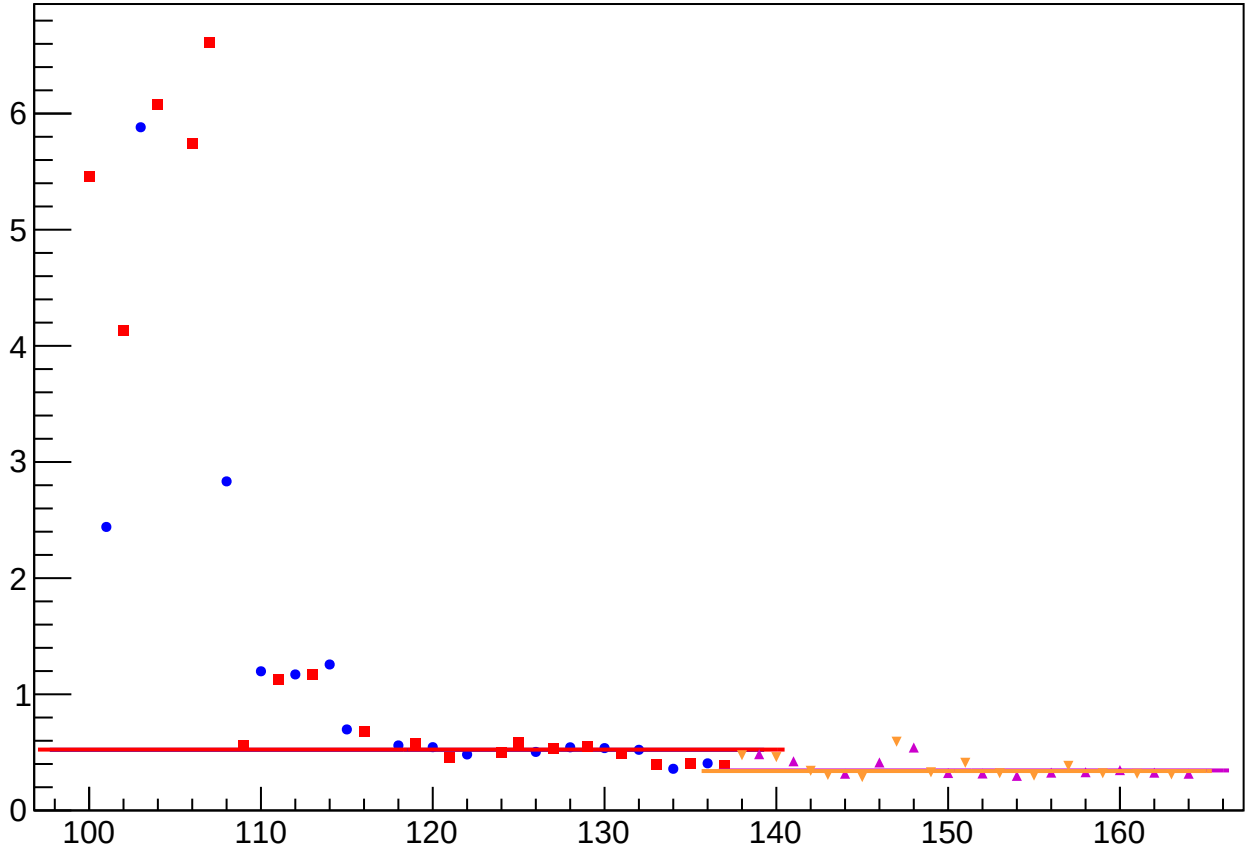
Left In: -41.084+/-0.000 χ^2/NDF:23173826.0/12

+ sign -41.112+/-0.000 χ^2/NDF: 3469861111.4/29

All: -40.930+/-0.000 χ^2/NDF: 6038657530.7/

- 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: 0.339+/-0.000 χ^2/NDF:705132.7/13

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

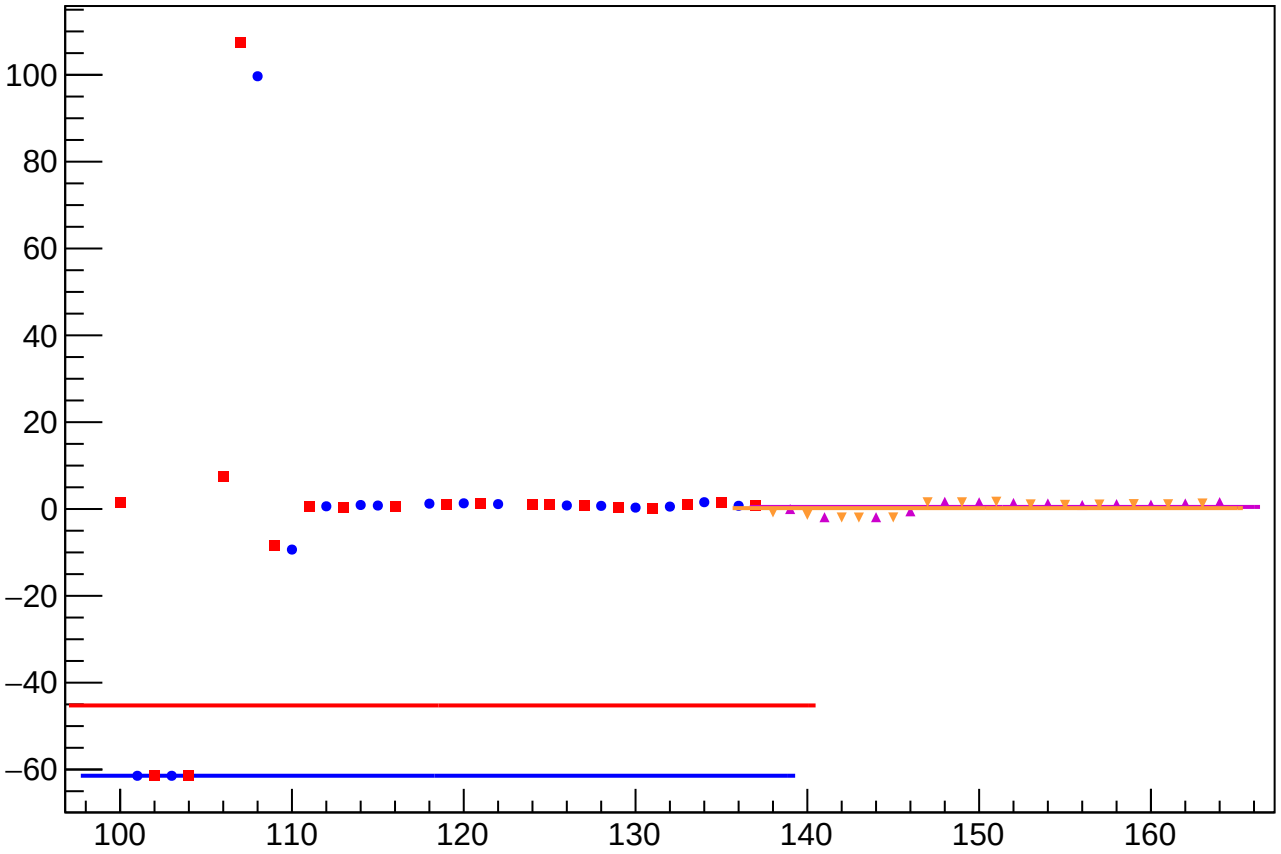
Left In: 0.344+/-0.000 χ^2/NDF:532265.7/12

+ sign 0.371+/-0.000 χ^2/NDF: 4675938.7/29

All: 0.373+/-0.000 χ^2/NDF: 9429362.9/61

- sign 0.376+/-0.000 χ^2/NDF: 4750758.4/31

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.201+/-0.000 χ^2/NDF:92768246.4/13

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

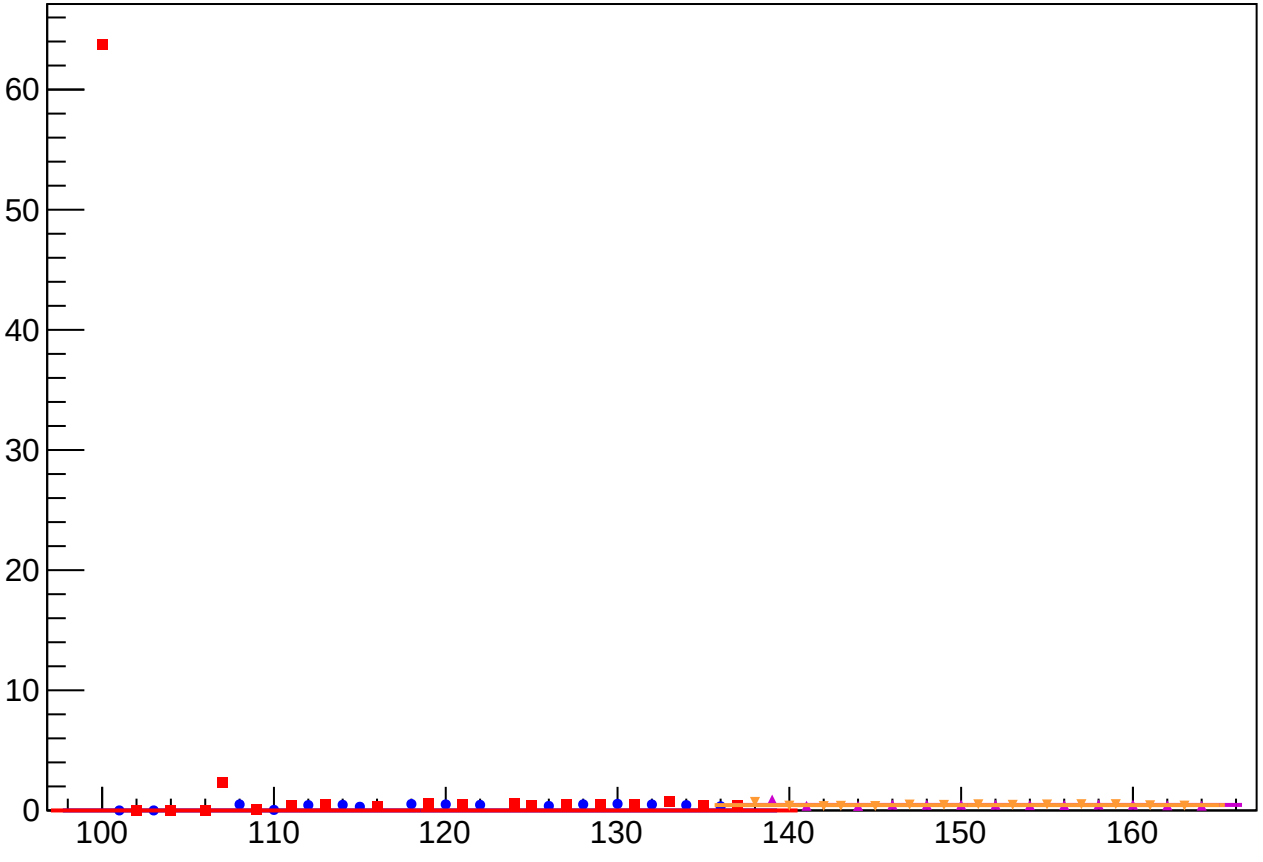
Left In: 0.479+/-0.000 χ^2/NDF:72956453.9/12

+ sign -61.429+/-0.000 χ^2/NDF: 440893156227.4/2

All: -52.743+/-0.000 χ^2/NDF: 409361925913

- 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: 0.446+/-0.000 χ^2/NDF:453027.4/13

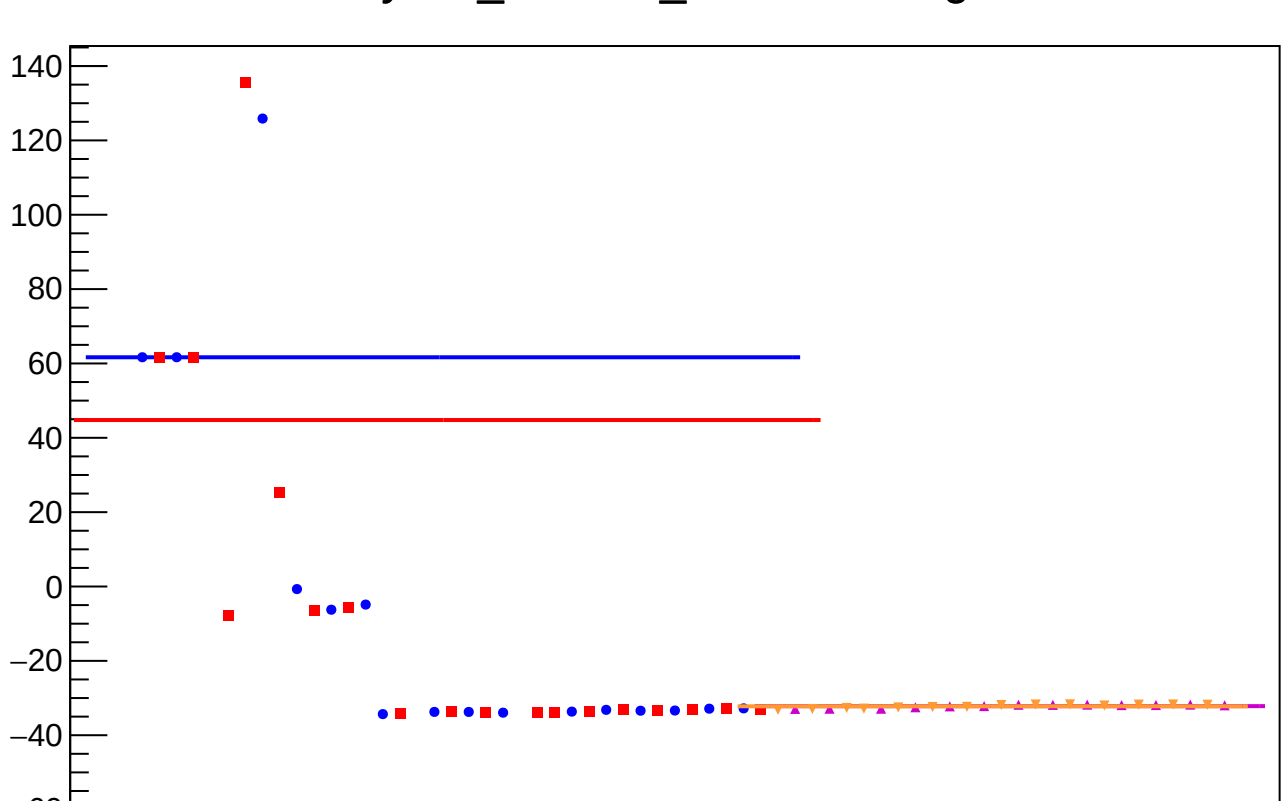
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.461+/-0.000 χ^2/NDF:564760.5/12

+ sign 0.002+/-0.000 χ^2/NDF: 27002650.4/29

All: 0.002+/-0.000 χ^2/NDF: 54241681.3/61

- sign 0.002+/-0.000 χ^2/NDF: 27238980.2/31



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.220+/-0.000 χ^2/NDF:29609005.3/13

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

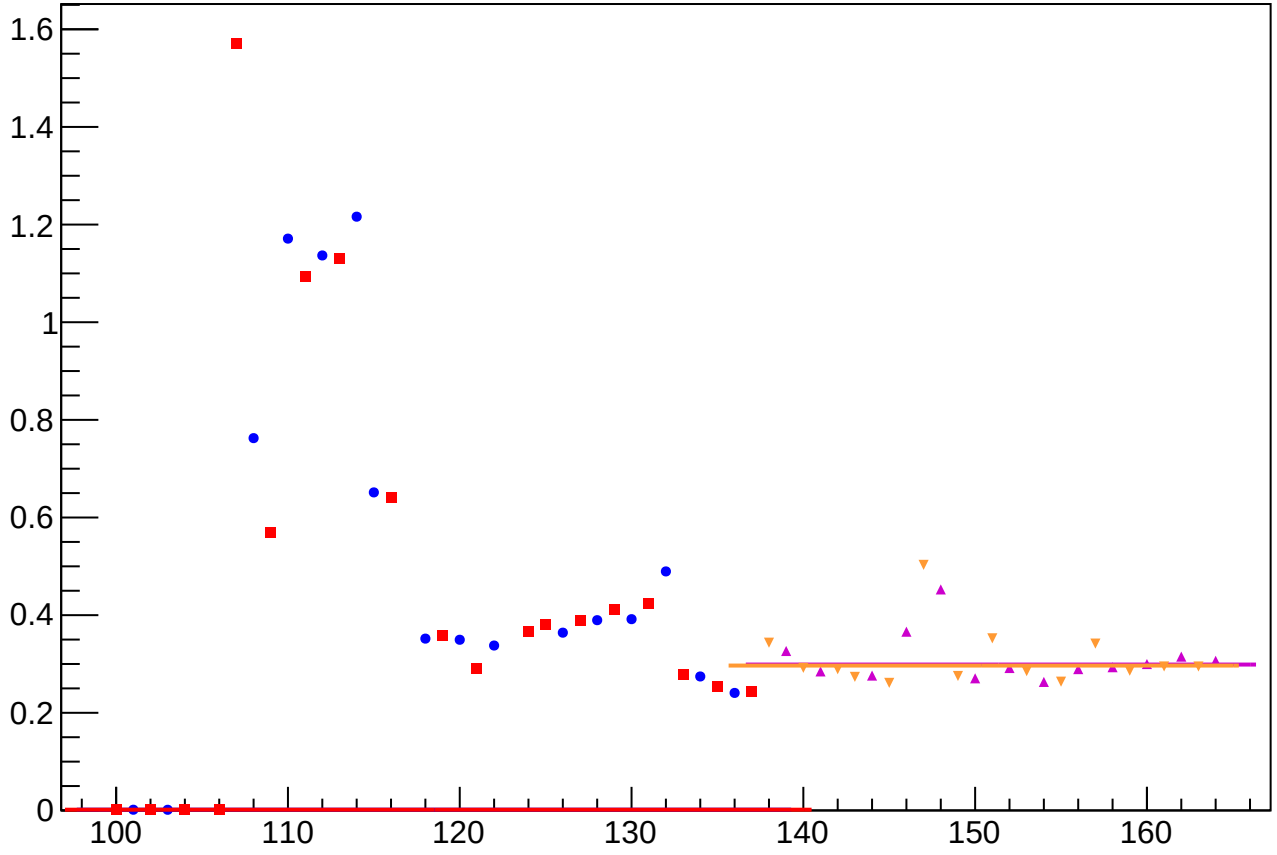
Left In: -32.178+/-0.000 χ^2/NDF:22995871.6/12

+ sign 61.629+/-0.000 χ^2/NDF: 1422938080704.8/2

All: 52.661+/-0.000 χ^2/NDF: 419266642972

- 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:443354.9/13

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

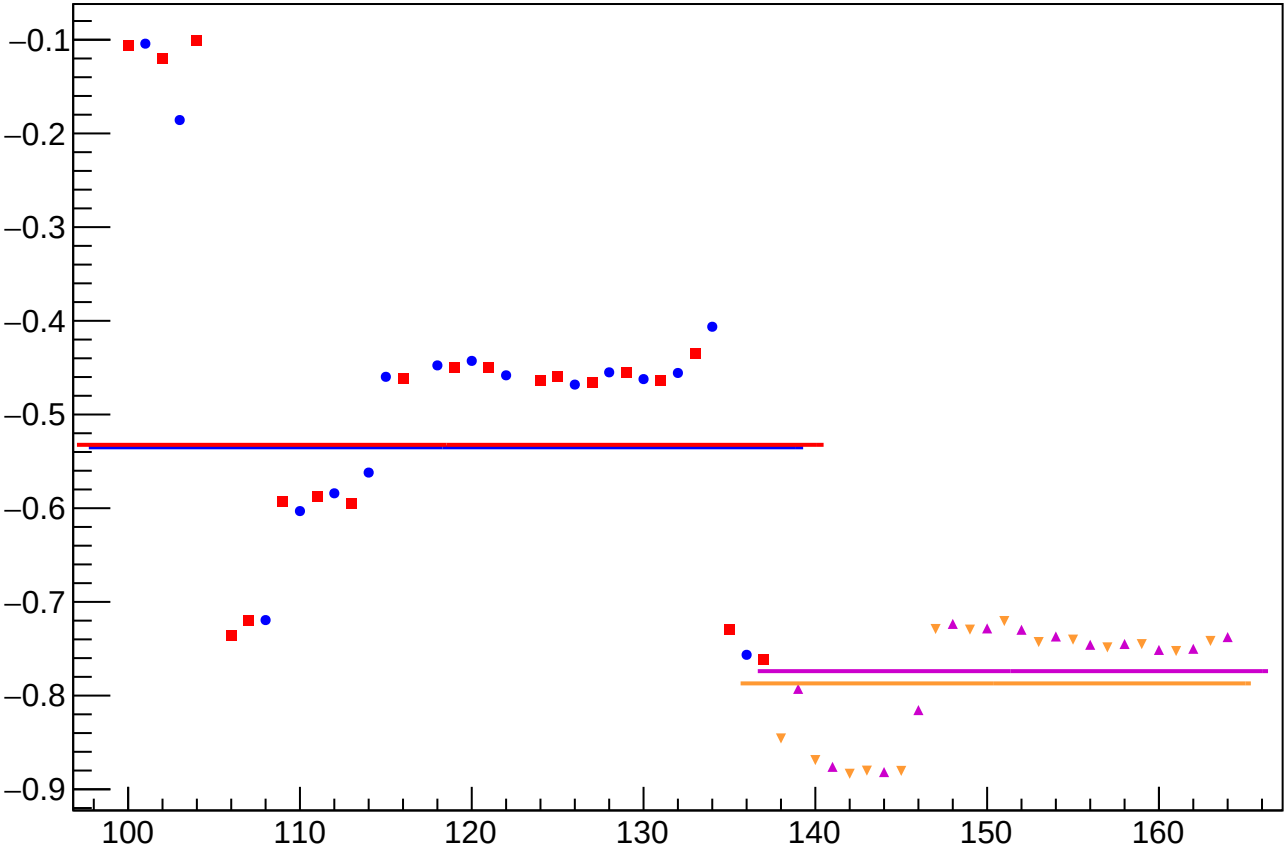
Left In: 0.299+/-0.000 χ^2/NDF:324529.9/12

+ sign 0.002+/-0.000 χ^2/NDF: 32306563.9/29

All: 0.002+/-0.000 χ^2/NDF: 63726795.6/61

- 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: -0.787+/-0.000 χ^2/NDF:101468386.9/13

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

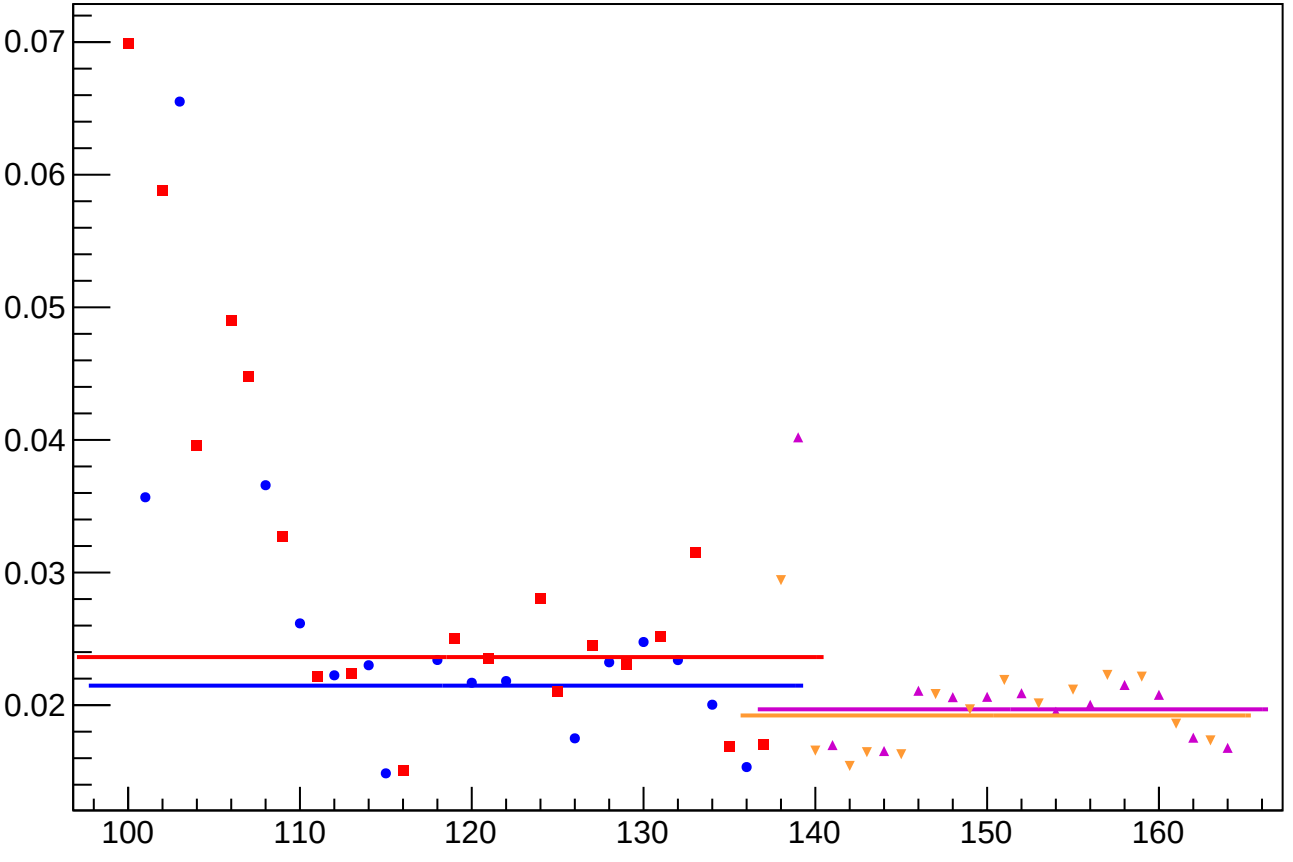
Left In: -0.774+/-0.000 χ^2/NDF:73299789.9/12

+ sign -0.704+/-0.000 χ^2/NDF: 897136598.7/29

All: -0.702+/-0.000 χ^2/NDF: 1588089699.2/6

- 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:404120.0/13

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

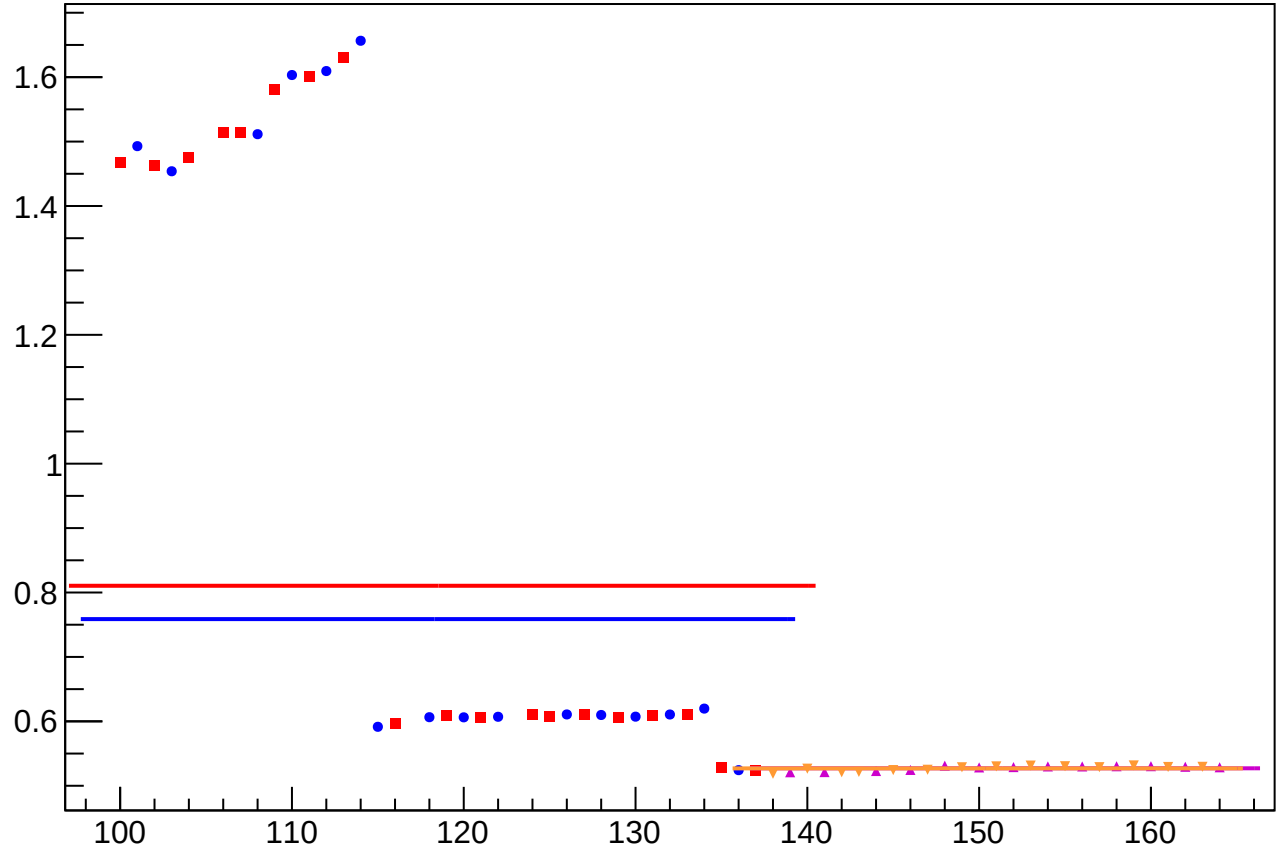
Left In: 0.020+/-0.000 χ^2/NDF:597930.7/12

+ sign 0.020+/-0.000 χ^2/NDF: 1636939.4/29

All: 0.020+/-0.000 χ^2/NDF: 3756276.7/61

- 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:1149077.4/13

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

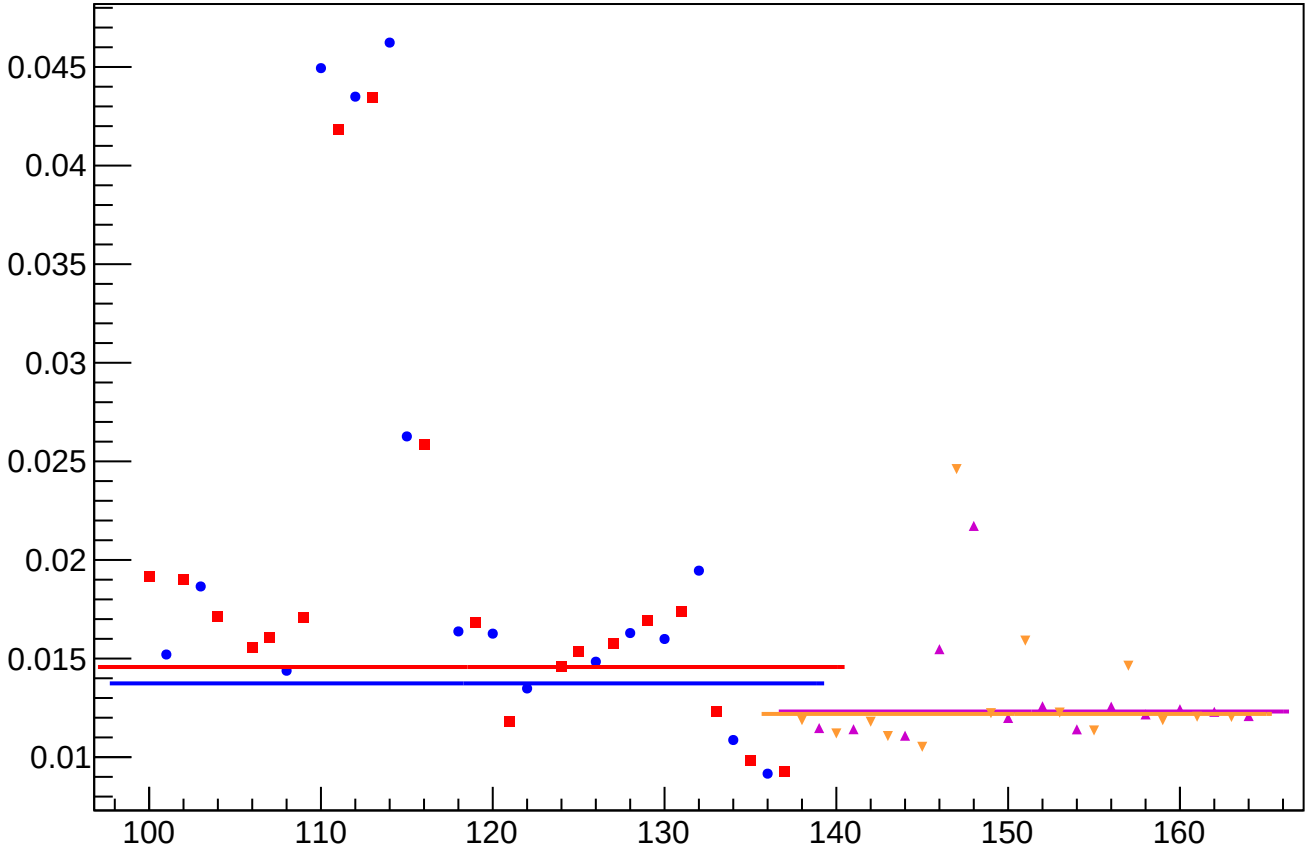
Left In: 0.527+/-0.000 χ^2/NDF:918571.4/12

+ sign 0.598+/-0.000 χ^2/NDF: 5475926442.6/29

All: 0.605+/-0.000 χ^2/NDF: 11906398455.3/6

- 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:613808.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

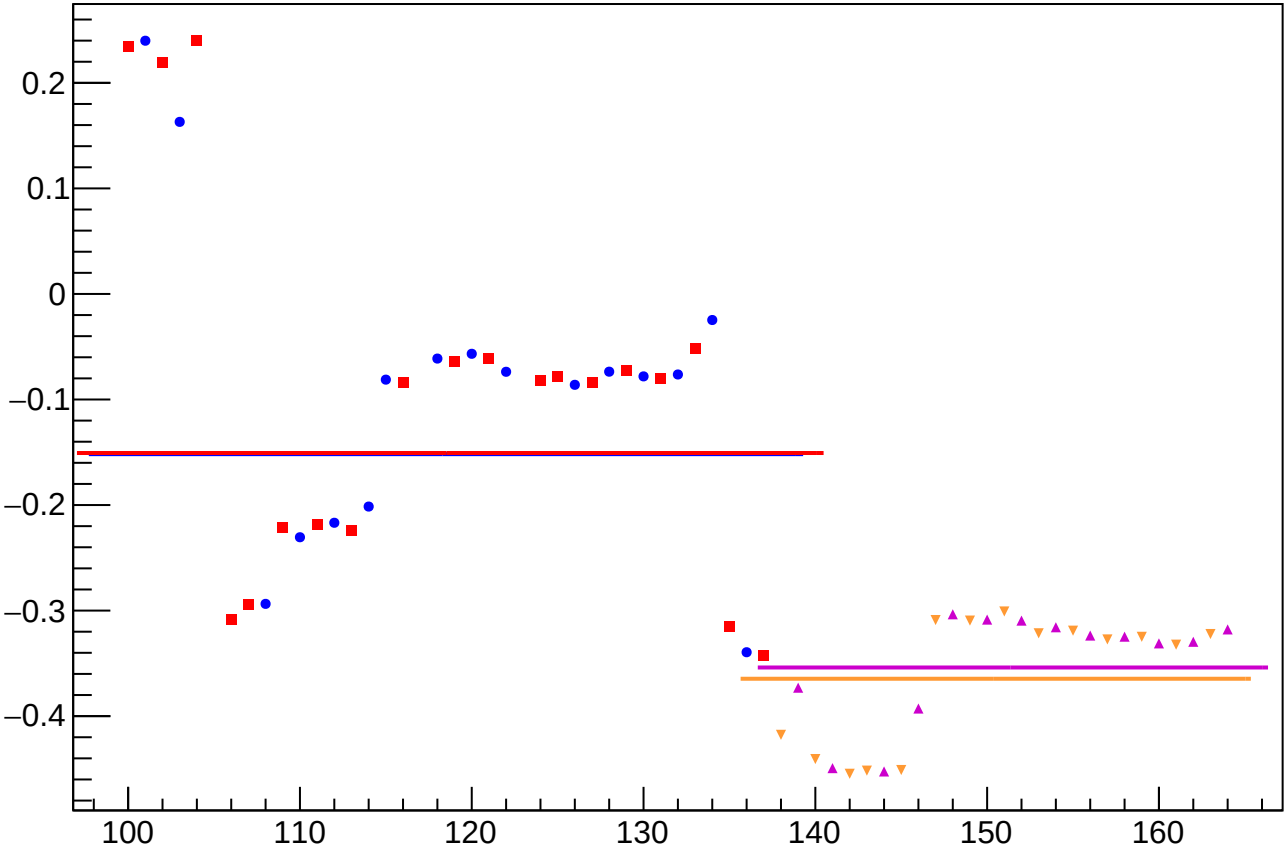
Left In: 0.012+/-0.000 χ^2/NDF:416807.7/12

+ sign 0.013+/-0.000 χ^2/NDF: 2368127.6/29

All: 0.013+/-0.000 χ^2/NDF: 4459874.6/61

- 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: -0.365+/-0.000 χ^2/NDF:98582993.6/13

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

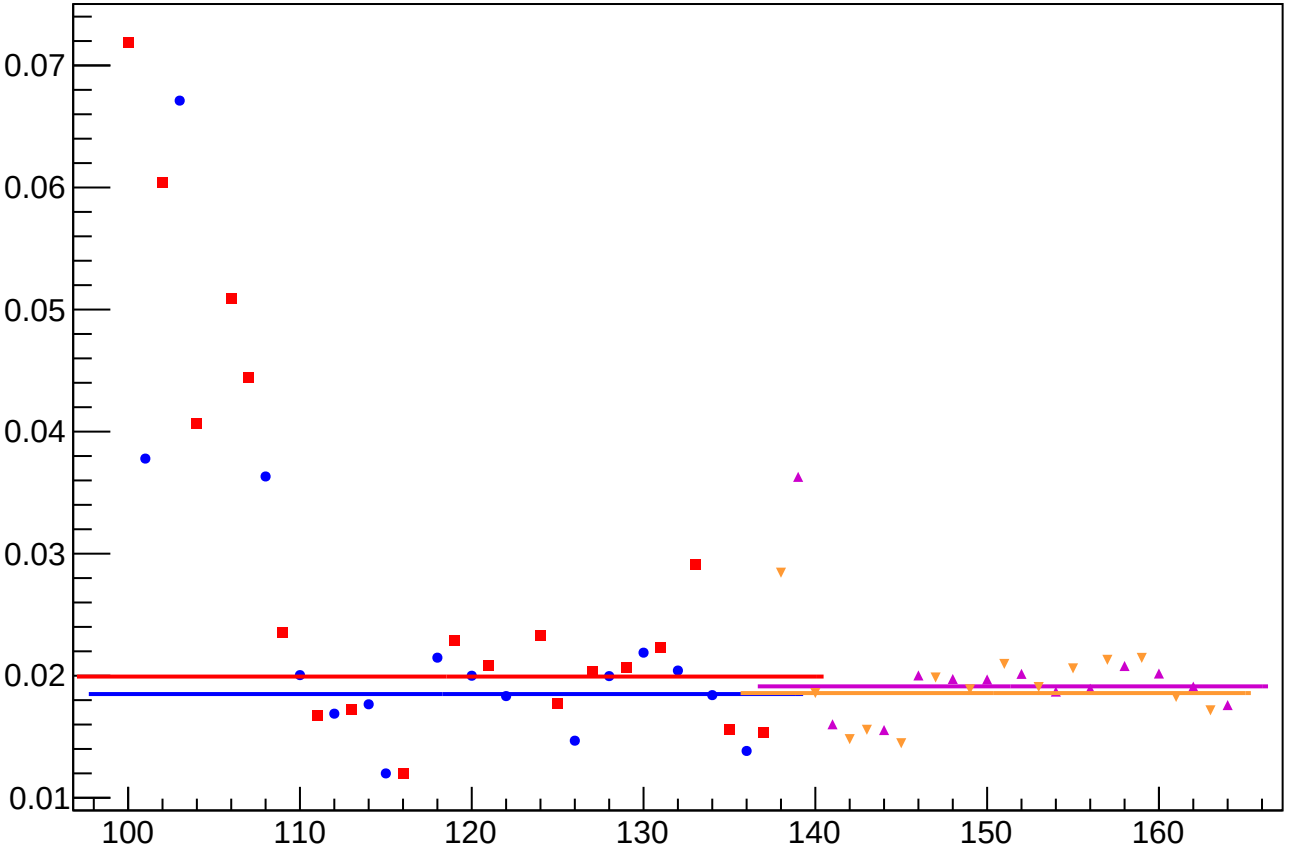
Left In: -0.354+/-0.000 χ^2/NDF:74012478.4/12

+ sign -0.285+/-0.000 χ^2/NDF: 810809242.3/29

All: -0.282+/-0.000 χ^2/NDF: 1444947647.0/6

- 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:433509.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

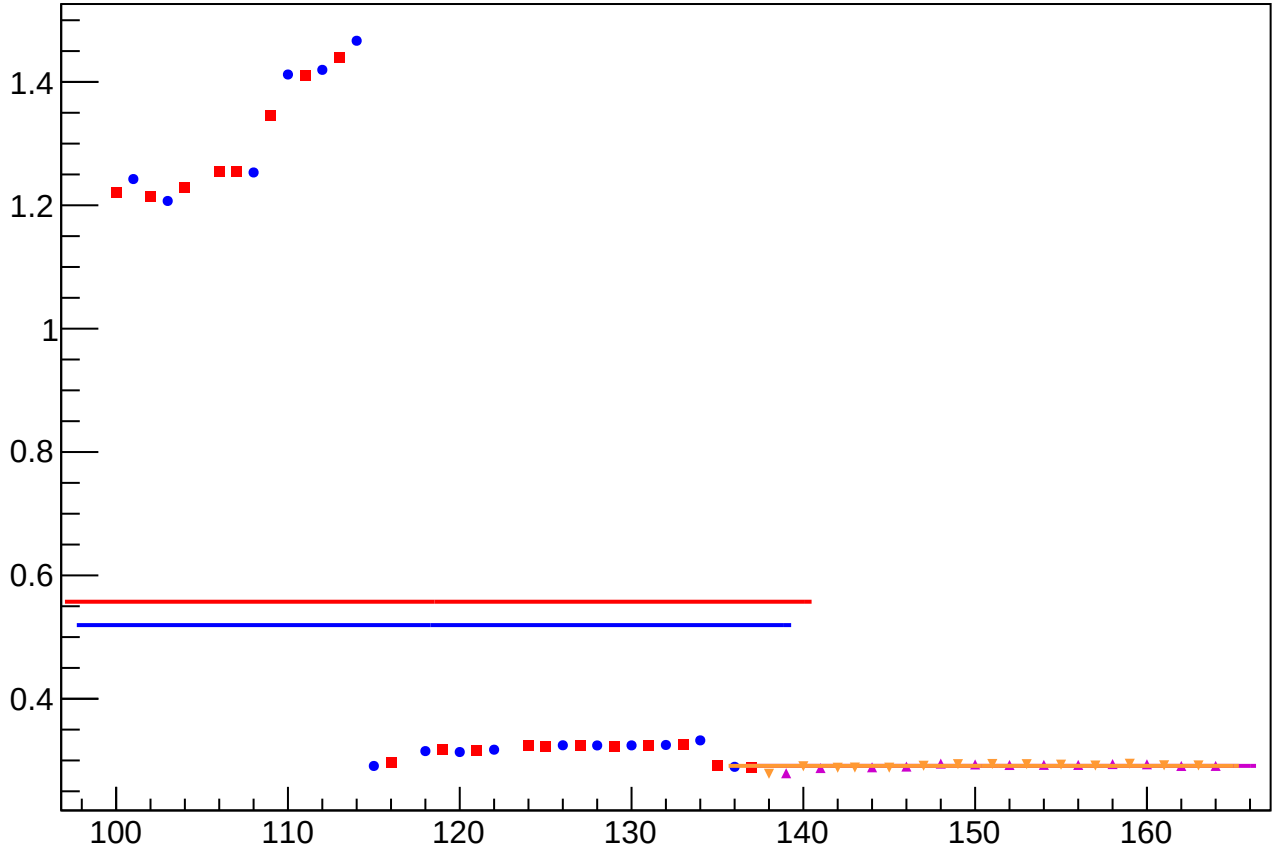
Left In: 0.019+/-0.000 χ^2/NDF:524598.2/12

+ sign 0.019+/-0.000 χ^2/NDF: 1805991.7/29

All: 0.019+/-0.000 χ^2/NDF: 3919269.6/61

- 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:1134643.7/13

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

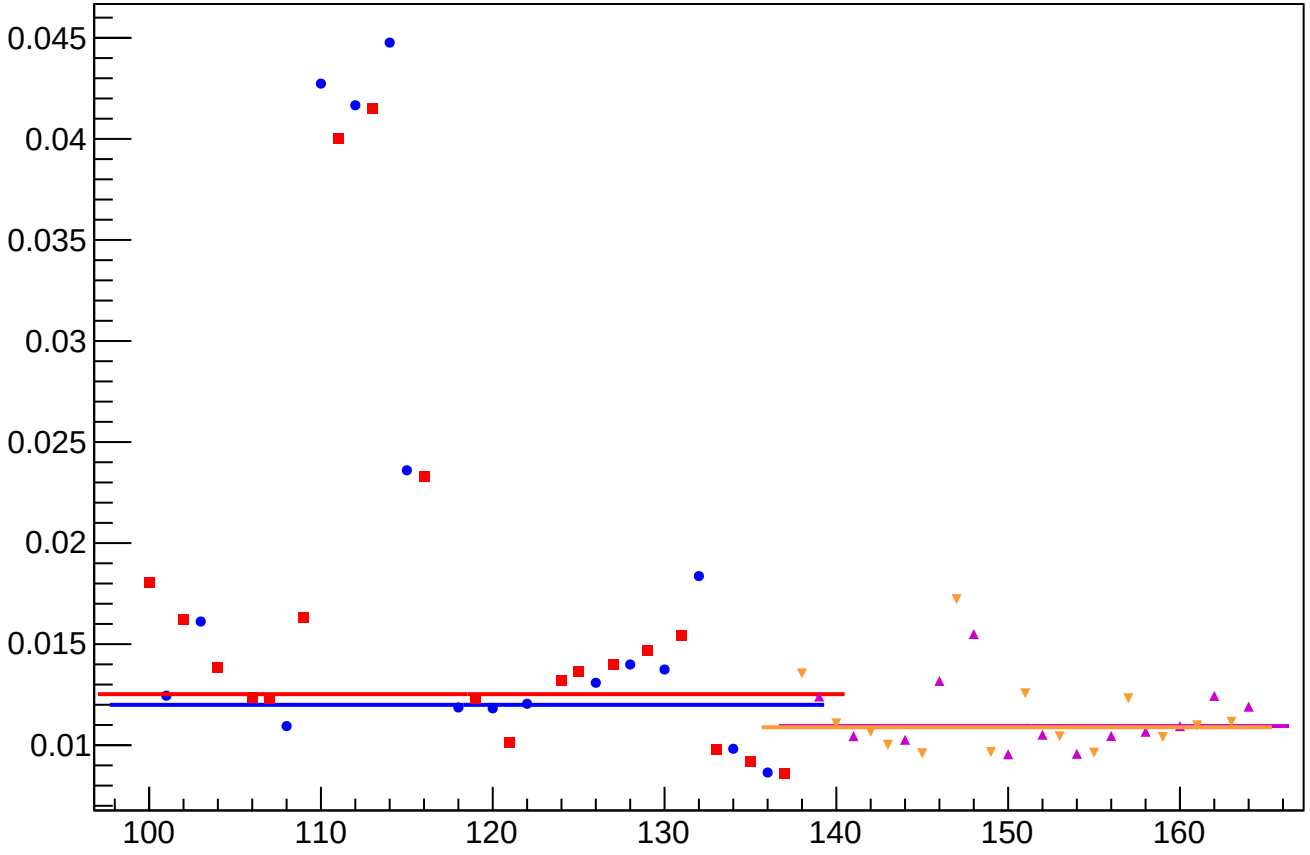
Left In: 0.291+/-0.000 χ^2/NDF:1167471.9/12

+ sign 0.364+/-0.000 χ^2/NDF: 7790537207.0/29

All: 0.369+/-0.000 χ^2/NDF: 16449330271.7/6

- 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:424821.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

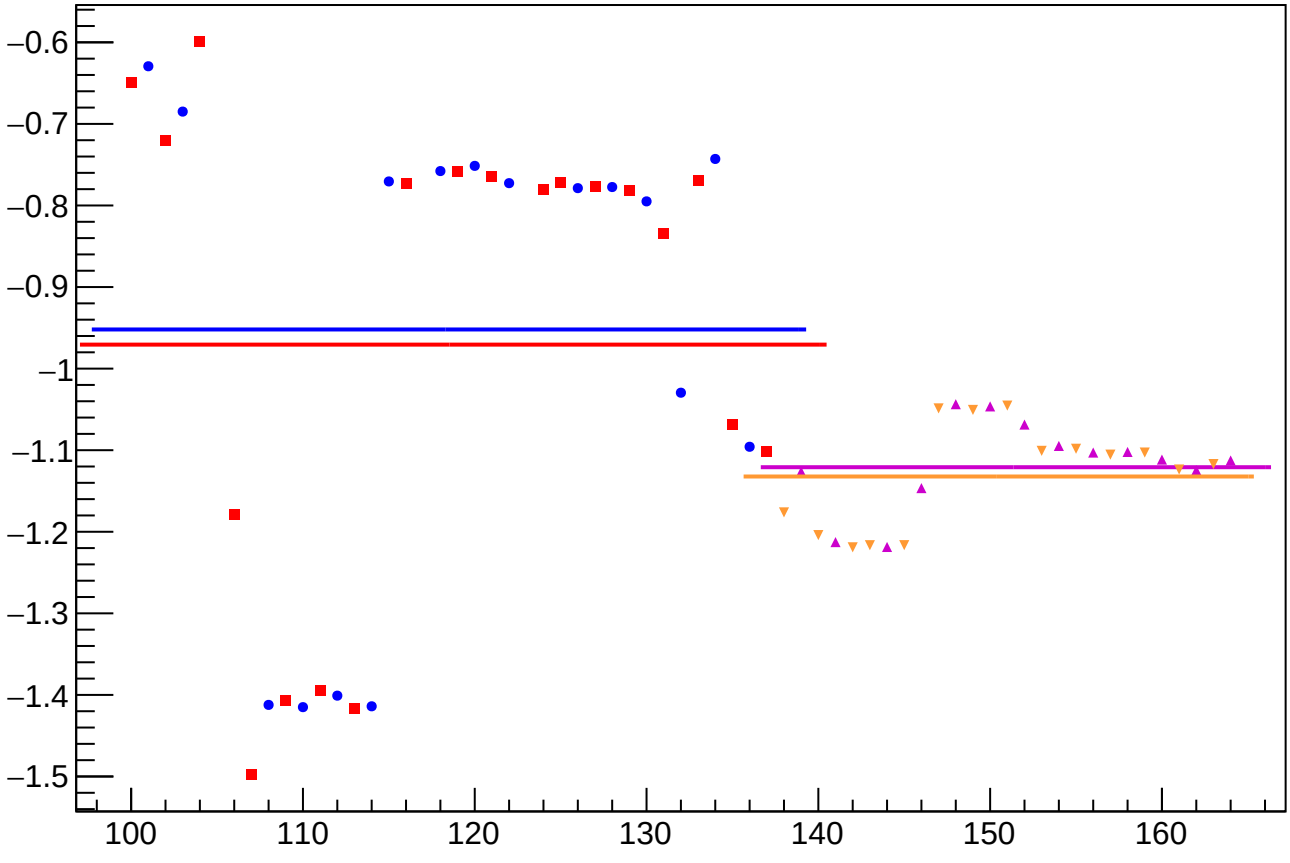
Left In: 0.011+/-0.000 χ^2/NDF:328960.3/12

+ sign 0.011+/-0.000 χ^2/NDF: 1985982.6/29

All: 0.011+/-0.000 χ^2/NDF: 3888295.9/61

- 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: -1.132+/-0.000 χ^2/NDF:96872249.2/13

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

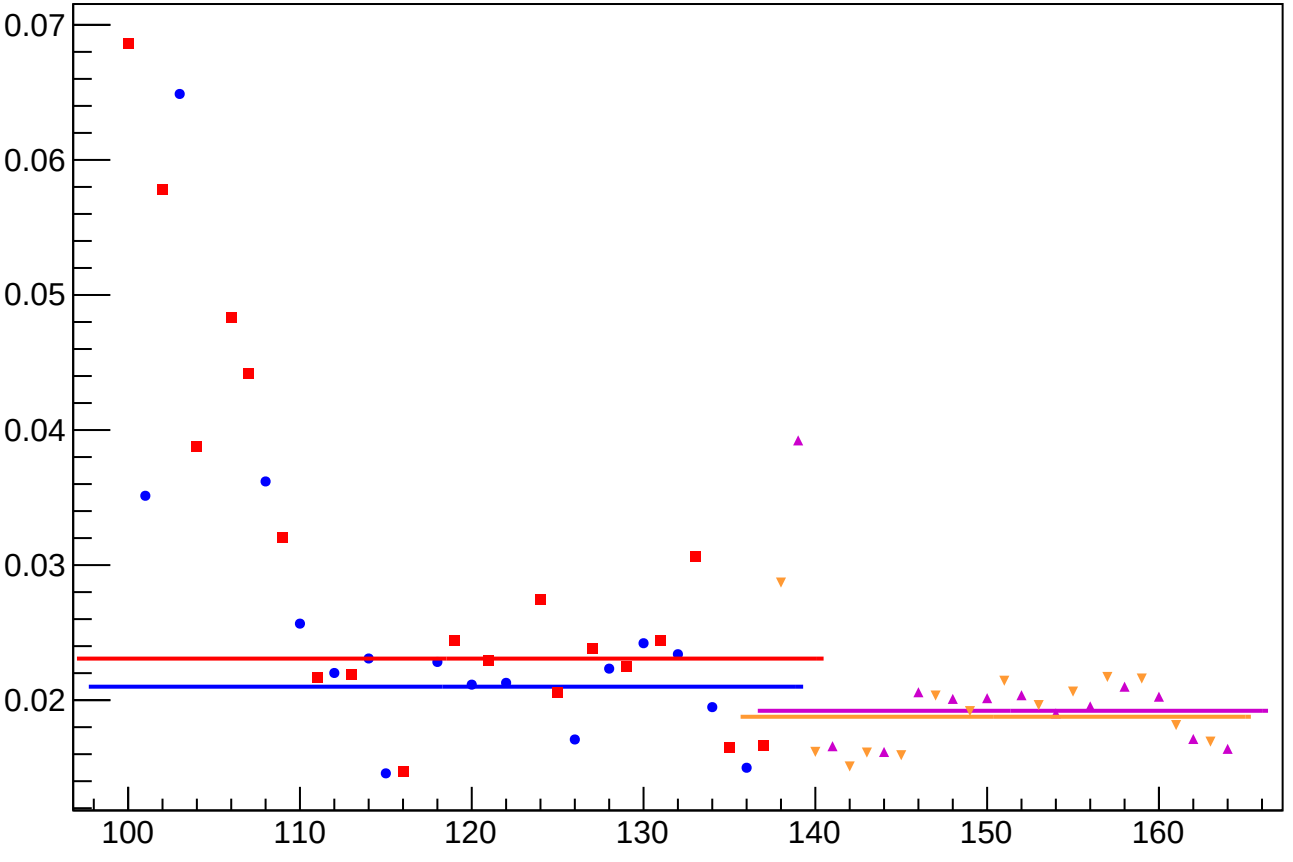
Left In: -1.121+/-0.000 χ^2/NDF:71494178.2/12

+ sign -1.073+/-0.000 χ^2/NDF: 1061116706.3/29

All: -1.074+/-0.000 χ^2/NDF: 2010406903.8/6

- 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:400674.0/13

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

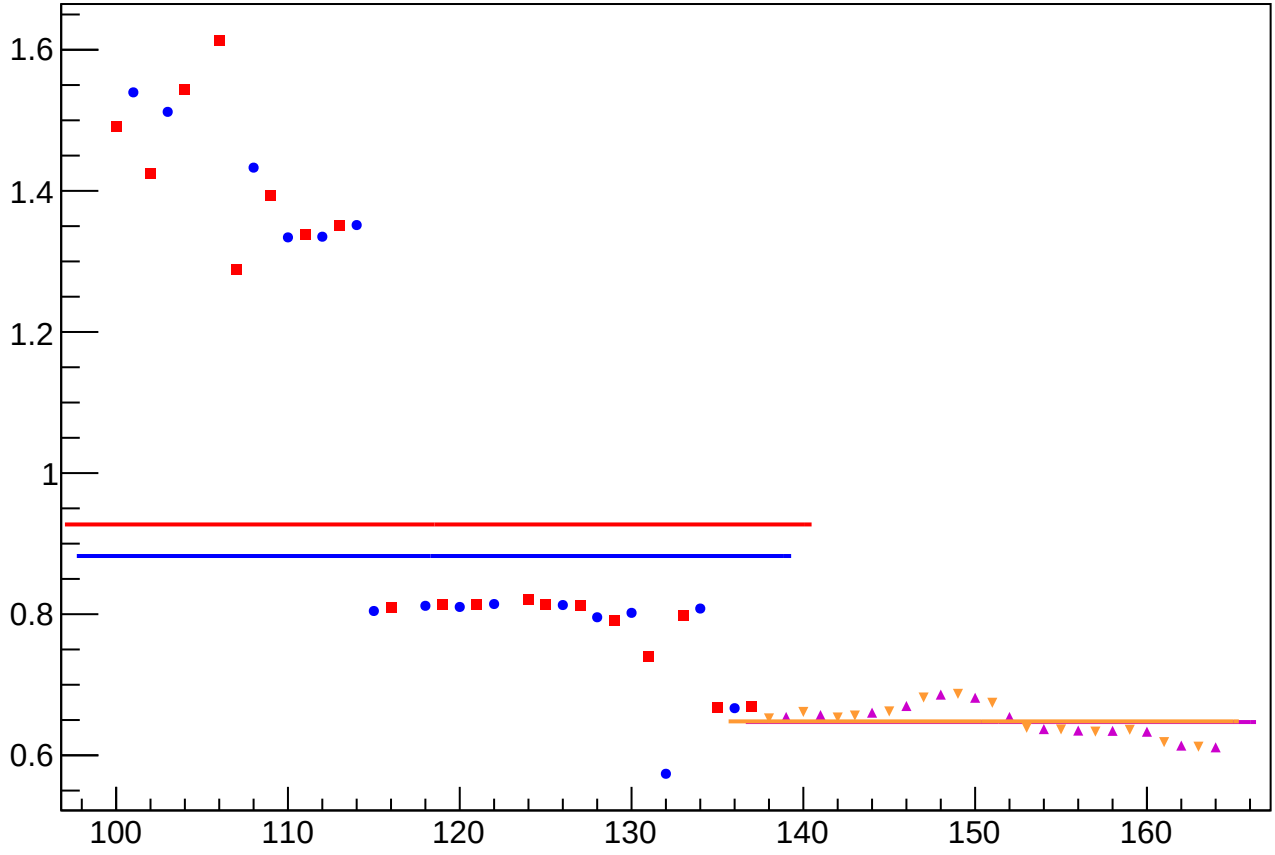
Left In: 0.019+/-0.000 χ^2/NDF:596303.9/12

+ sign 0.020+/-0.000 χ^2/NDF: 1648502.8/29

All: 0.020+/-0.000 χ^2/NDF: 3770604.6/61

- 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: 0.648+/-0.000 χ^2/NDF:30088304.3/13

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

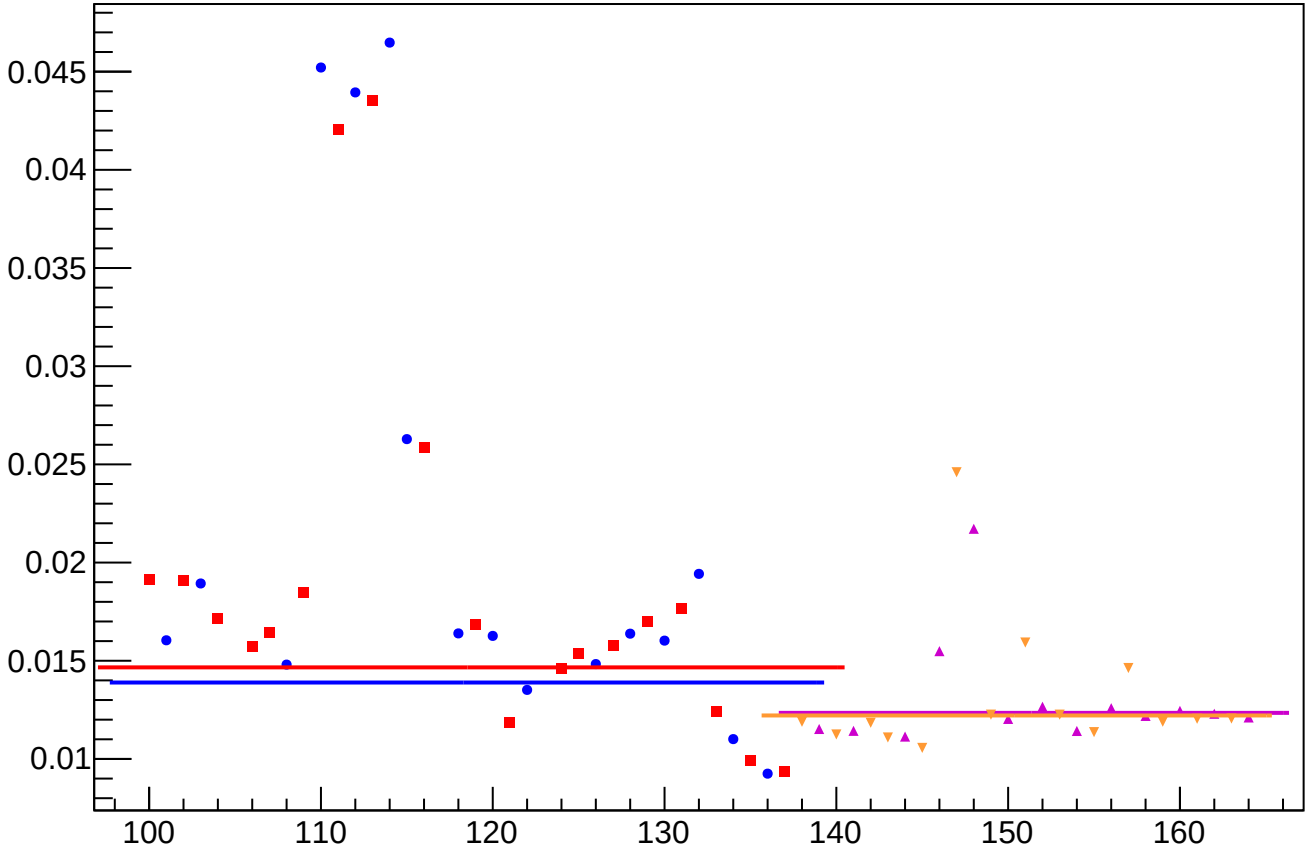
Left In: 0.647+/-0.000 χ^2/NDF:28271061.9/12

+ sign 0.719+/-0.000 χ^2/NDF: 3989133155.5/29

All: 0.725+/-0.000 χ^2/NDF: 8376868340.7/61

- 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:608689.8/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

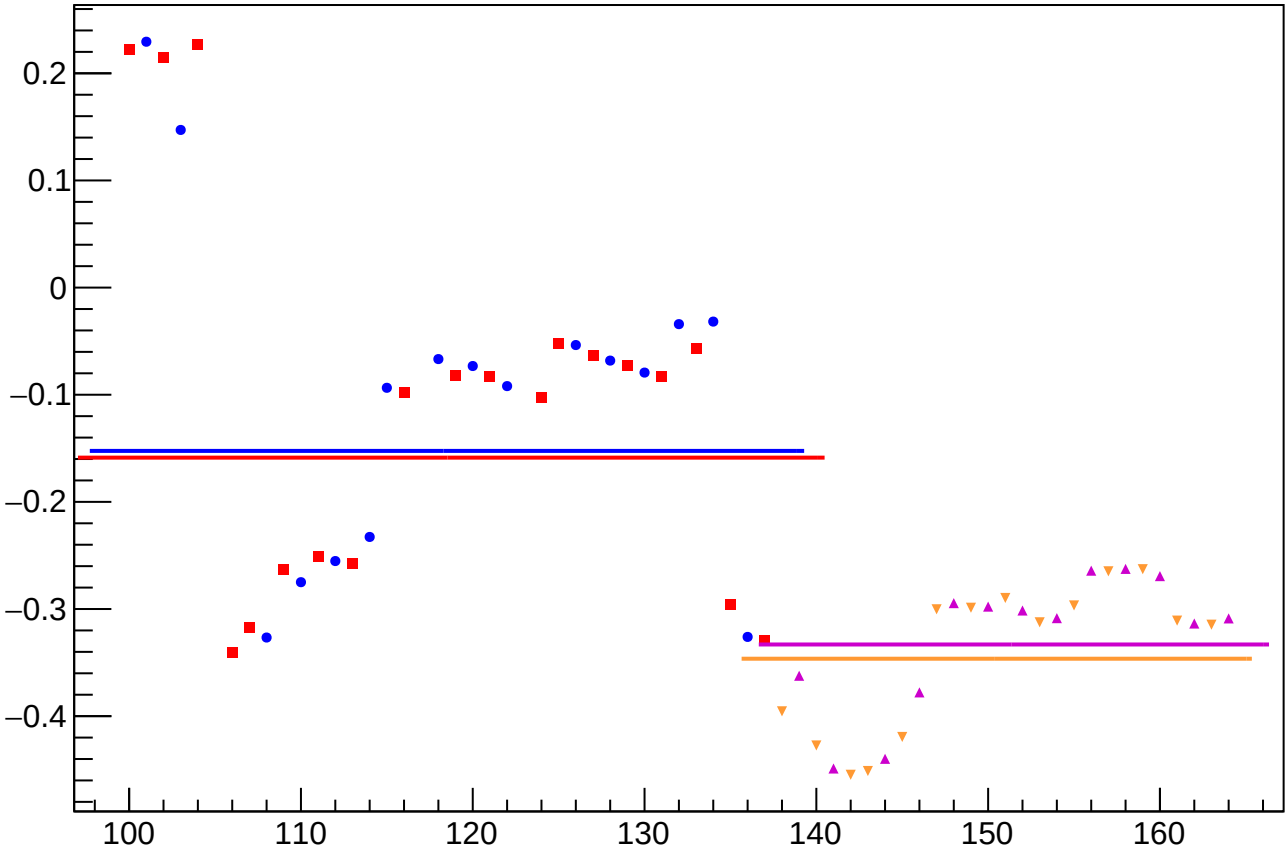
Left In: 0.012+/-0.000 χ^2/NDF:413269.3/12

+ sign 0.013+/-0.000 χ^2/NDF: 2375725.4/29

All: 0.013+/-0.000 χ^2/NDF: 4483212.4/61

- 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: -0.346+/-0.000 χ^2/NDF:117318495.5/13

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

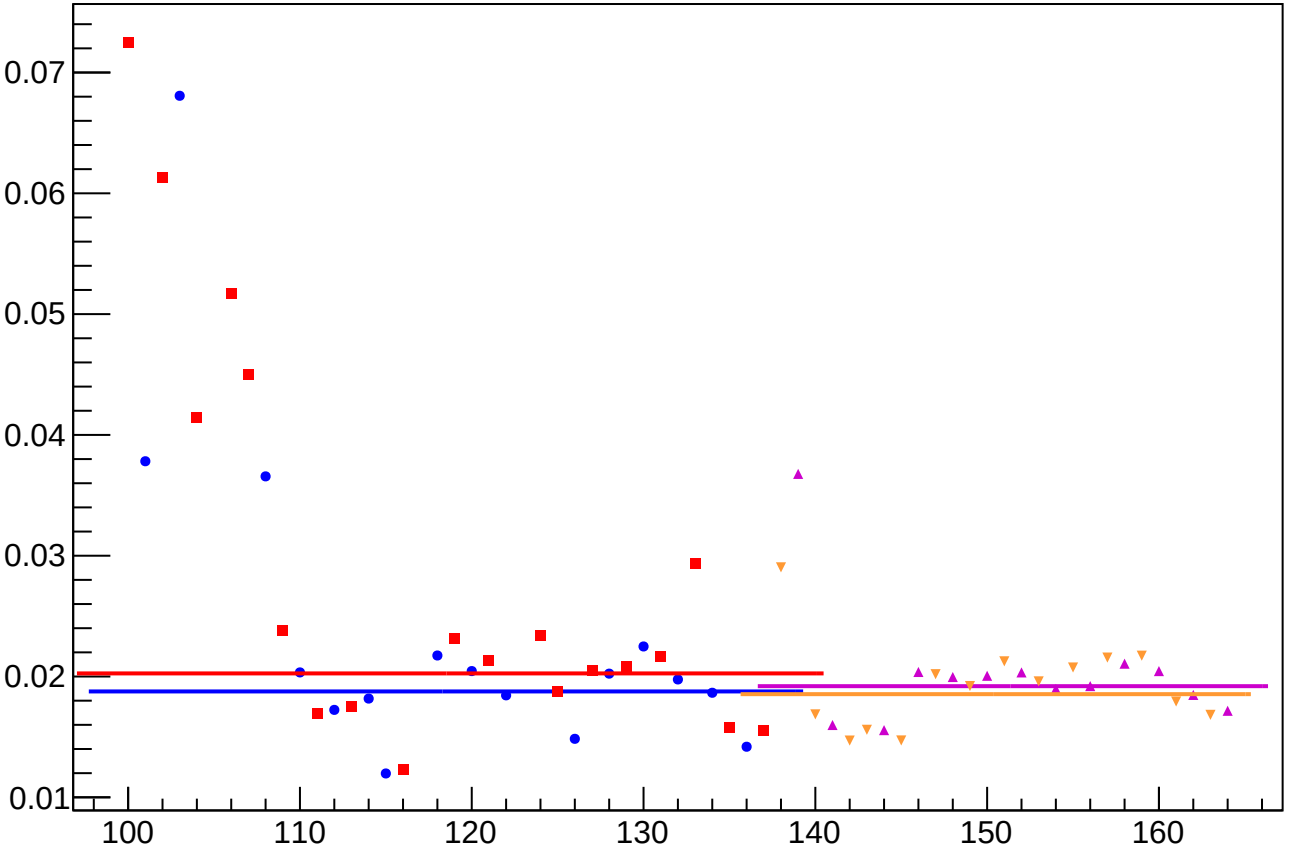
Left In: -0.333+/-0.000 χ^2/NDF:101343980.6/12

+ sign -0.275+/-0.000 χ^2/NDF: 746927368.8/29

All: -0.273+/-0.000 χ^2/NDF: 1302919344.5/6

- 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:477335.2/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

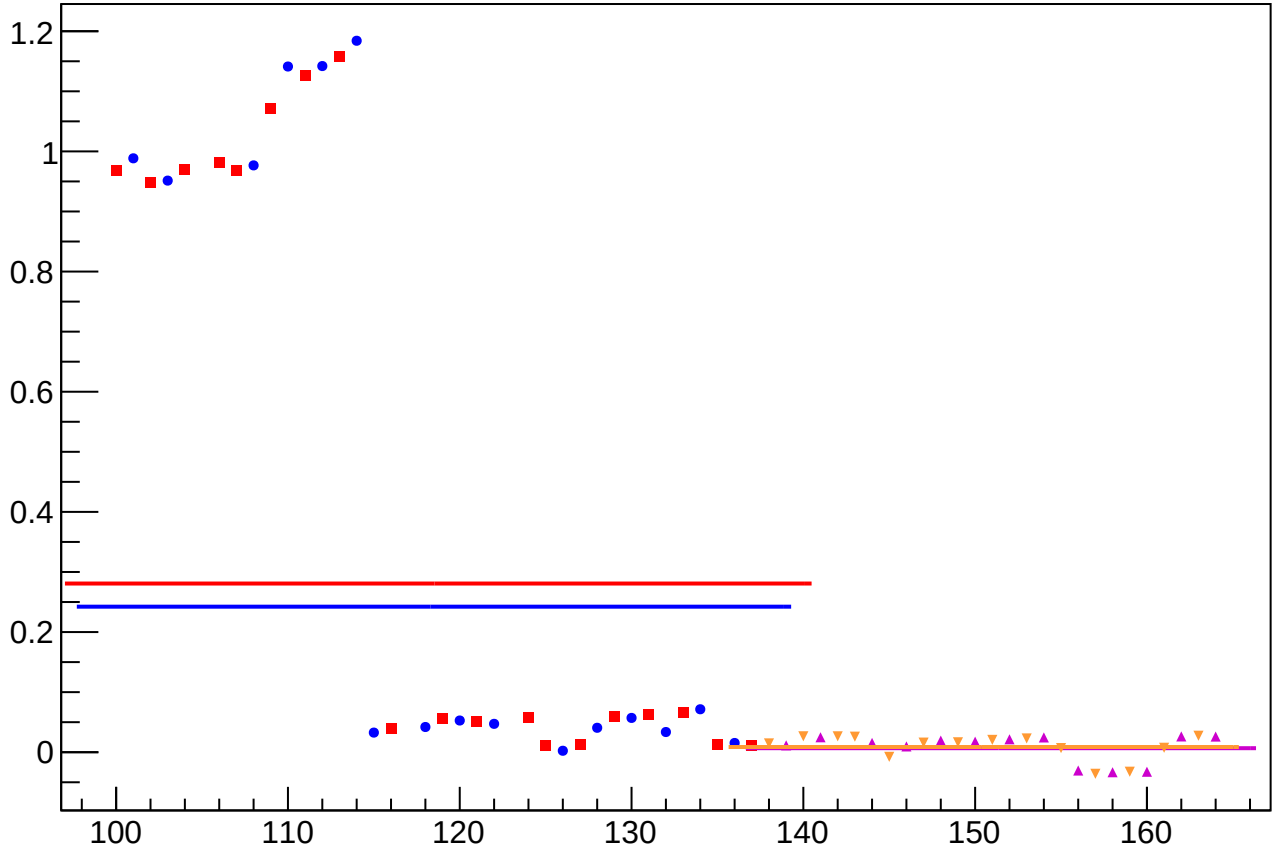
Left In: 0.019+/-0.000 χ^2/NDF:553222.6/12

+ sign 0.019+/-0.000 χ^2/NDF: 1827706.6/29

All: 0.019+/-0.000 χ^2/NDF: 3964938.0/61

- 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:38031951.2/13

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

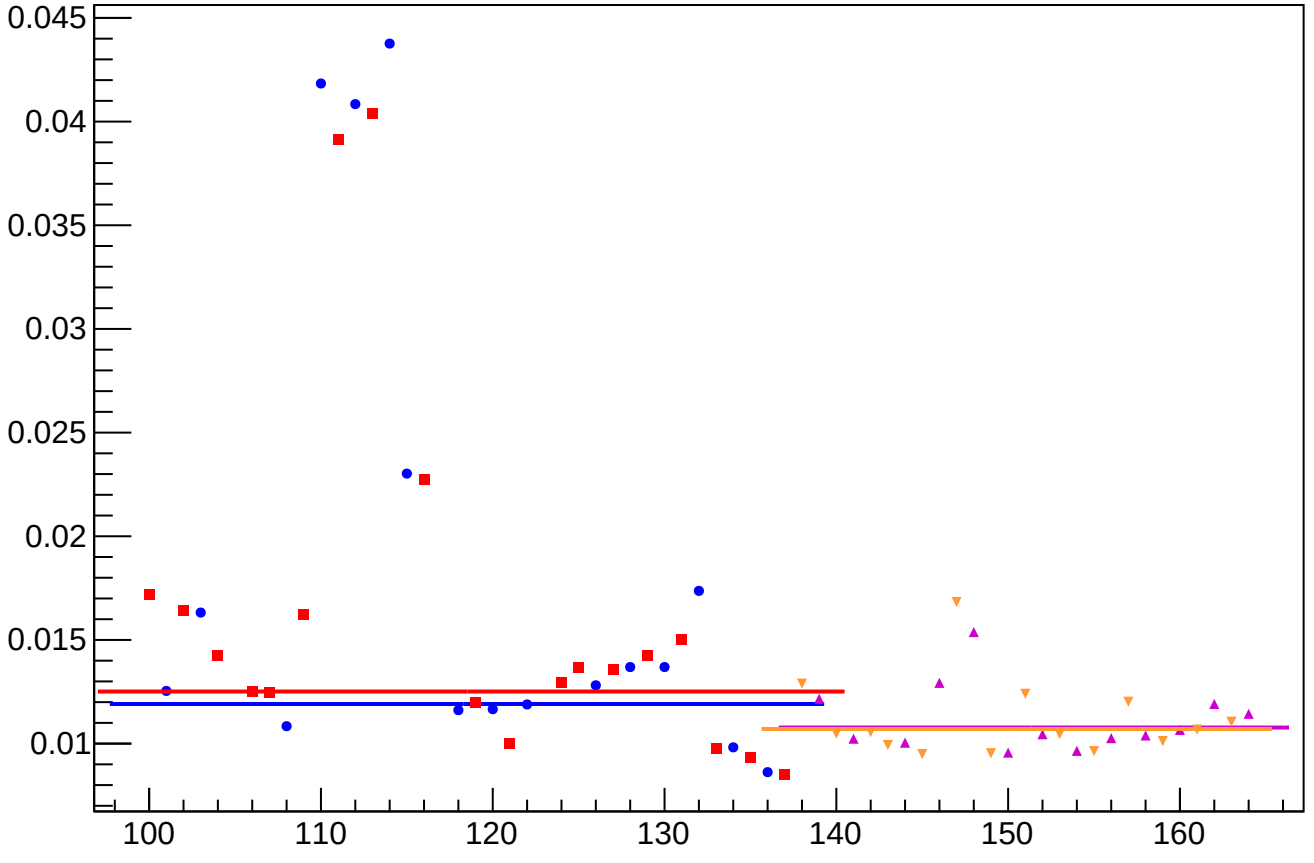
Left In: 0.007+/-0.000 χ^2/NDF:47606850.1/12

+ sign 0.082+/-0.000 χ^2/NDF: 8121011856.4/29

All: 0.086+/-0.000 χ^2/NDF: 16975901083.3/6

- 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:390463.5/13

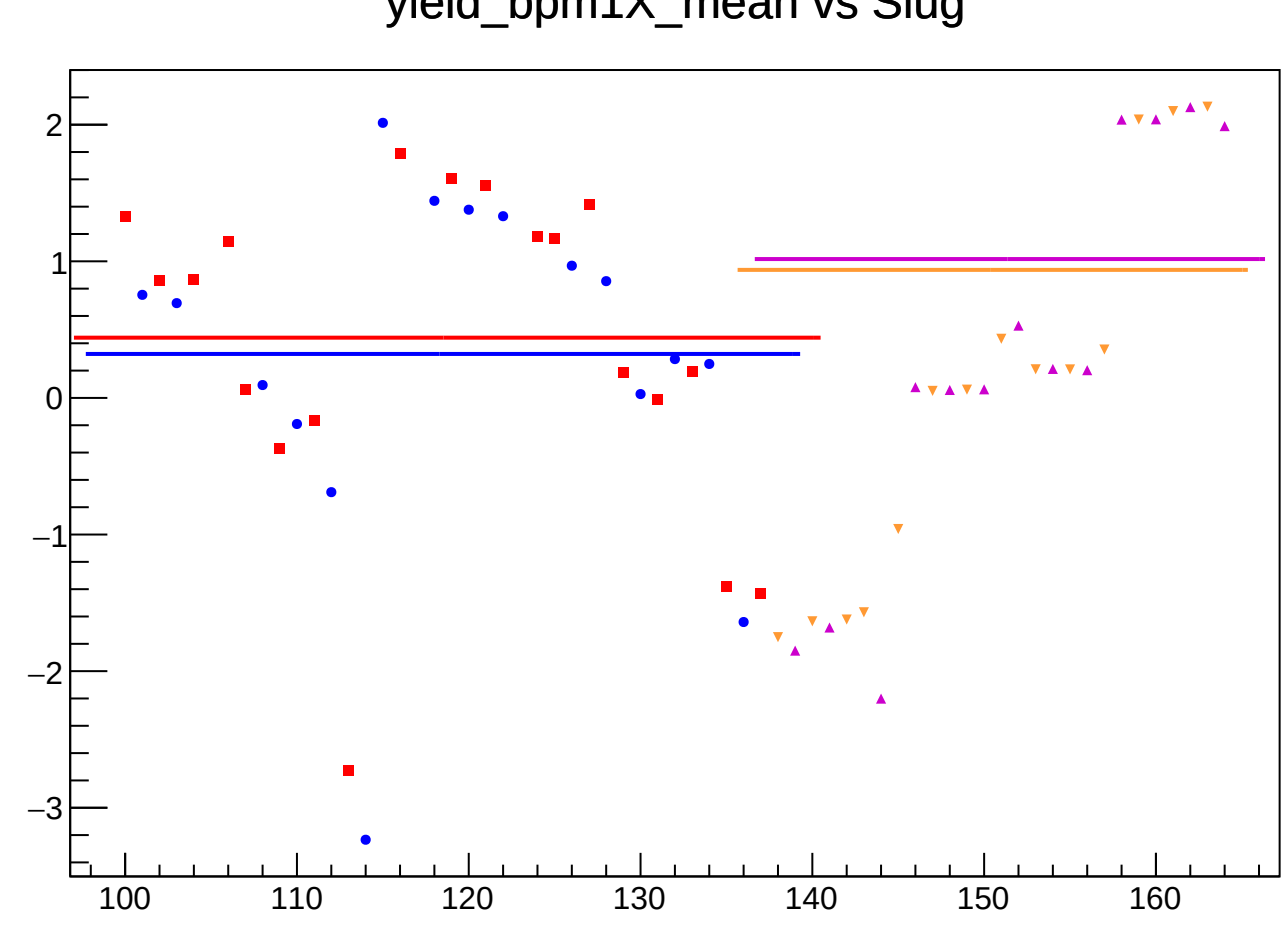
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:301499.7/12

+ sign 0.011+/-0.000 χ^2/NDF: 1933653.0/29

All: 0.011+/-0.000 χ^2/NDF: 3798450.2/61

- 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: 0.937+/-0.000 χ^2/NDF:26828032508.4/13

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

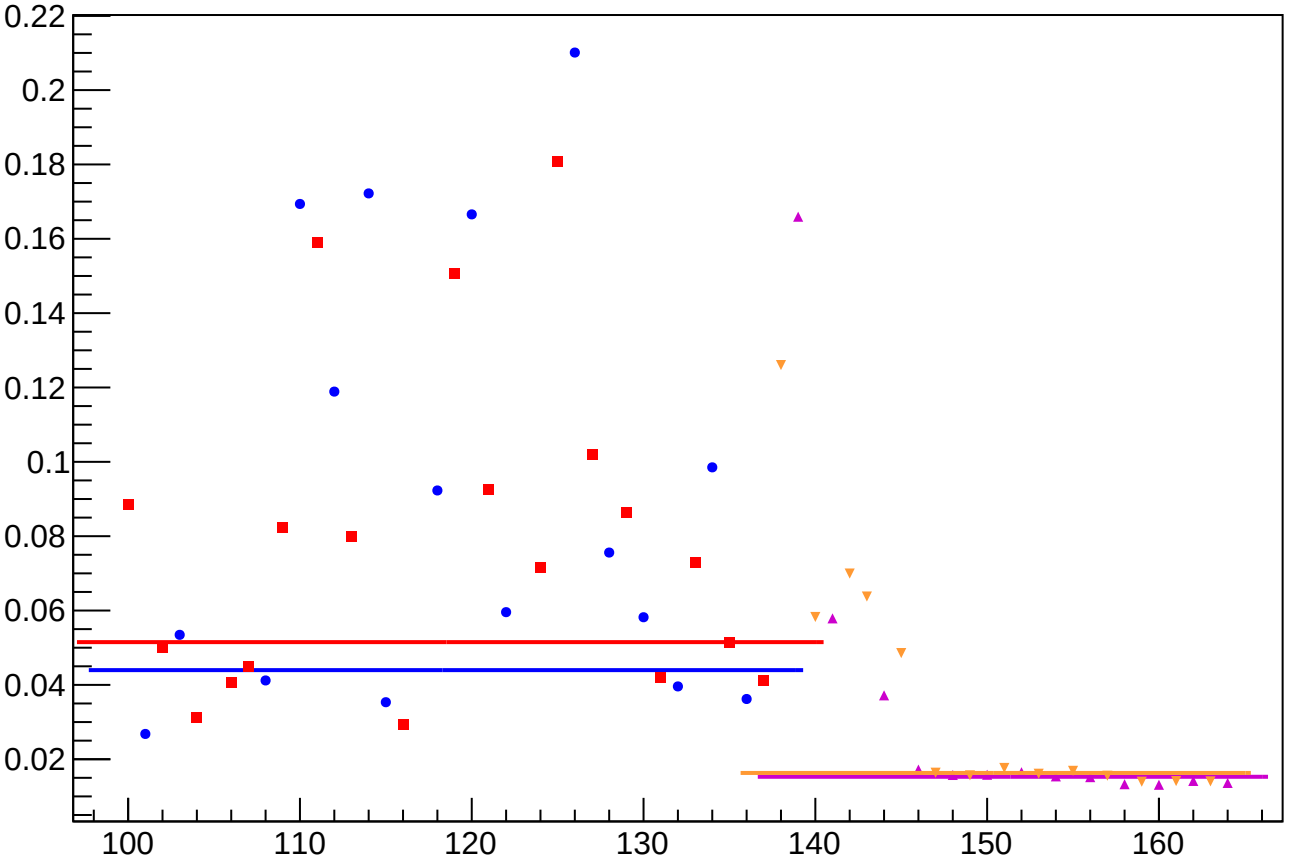
Left In: 1.017+/-0.000 χ^2/NDF:31802029243.7/12

+ sign 0.897+/-0.000 χ^2/NDF: 29194957436.7/29

All: 0.946+/-0.000 χ^2/NDF: 63448203184.2/6

- 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:2872306.8/13

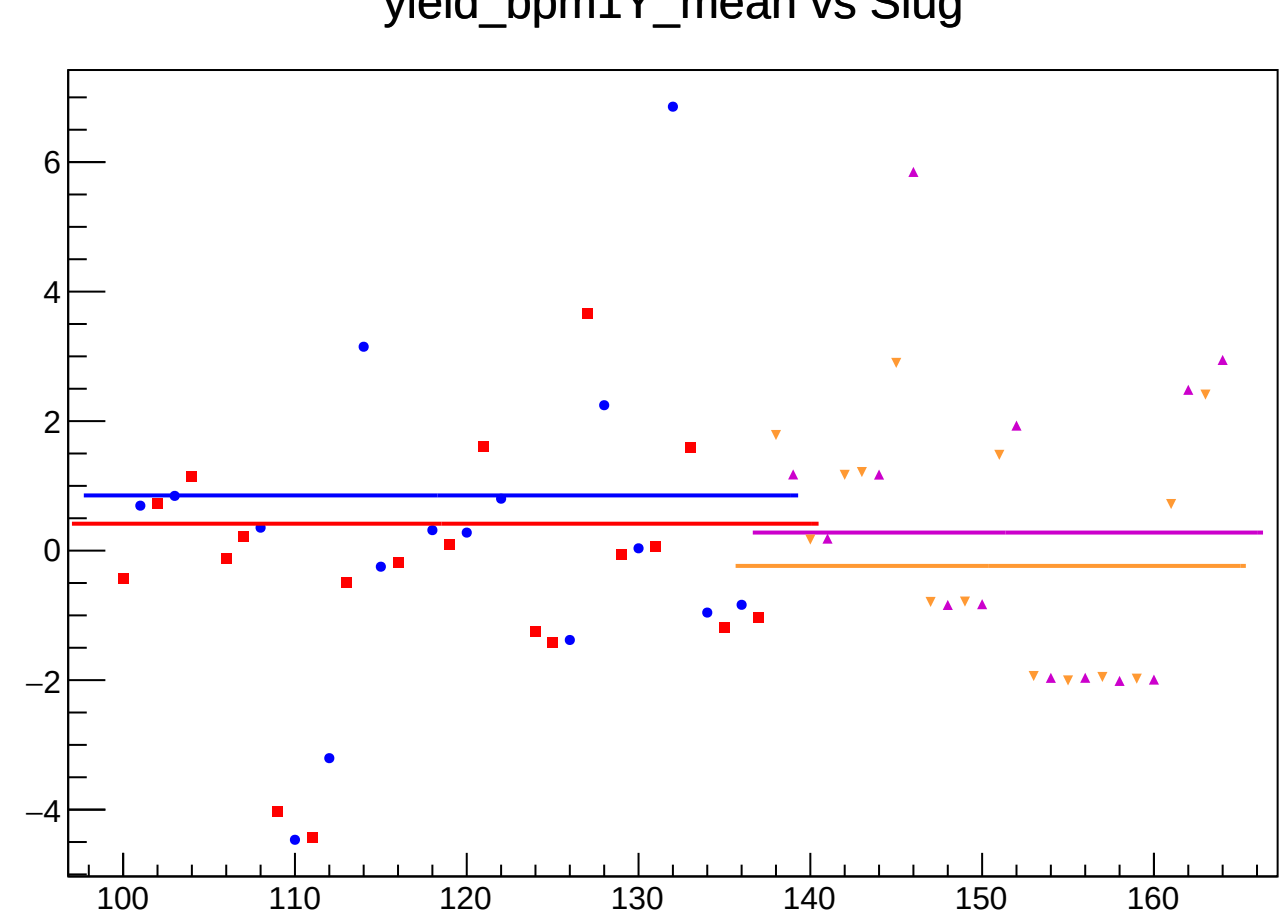
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143706.2/12

+ sign 0.018+/-0.000 χ^2/NDF: 8495354.0/29

All: 0.018+/-0.000 χ^2/NDF: 17157303.3/61

- sign 0.017+/-0.000 χ^2/NDF: 8622173.6/31



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.236+/-0.000 χ^2/NDF:147715001028.7/13

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

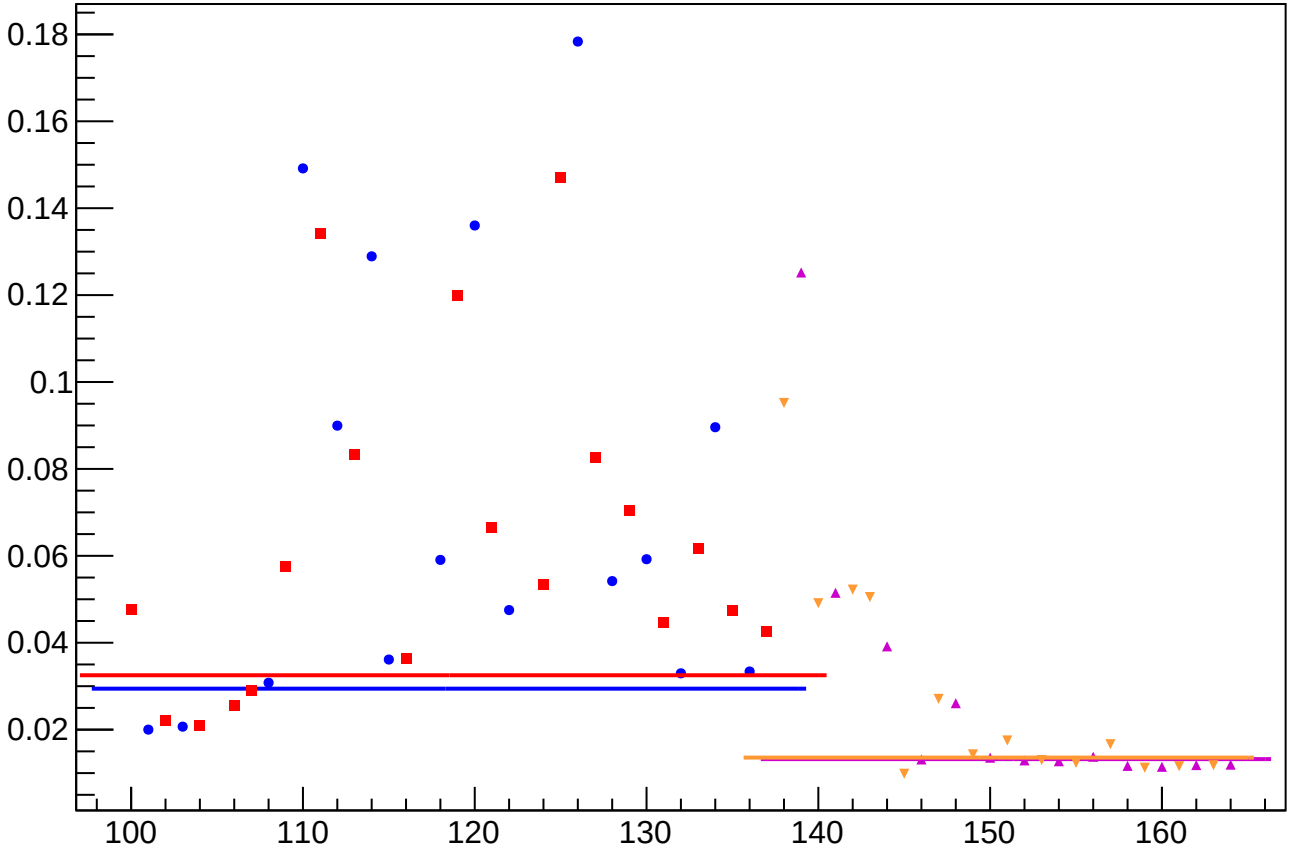
Left In: 0.279+/-0.000 χ^2/NDF:327087124838.6/12

+ sign -0.138+/-0.000 χ^2/NDF: 163880332833.6/29

All: 0.086+/-0.000 χ^2/NDF: 500641841706.3

- sign 0.289+/-0.000 χ^2/NDF: 332276599545.5/31

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:3020424.8/13

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

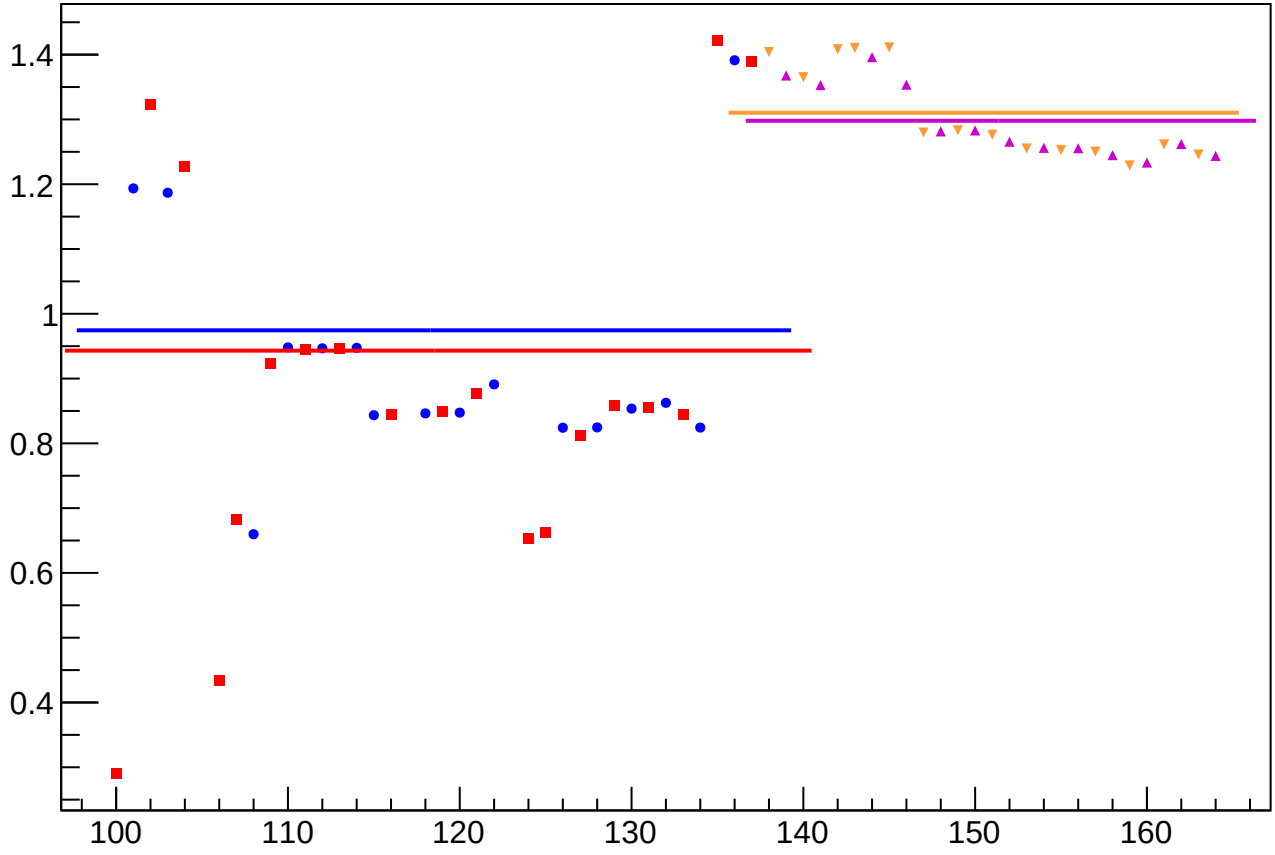
Left In: 0.013+/-0.000 χ^2/NDF:2629962.1/12

+ sign 0.015+/-0.000 χ^2/NDF: 8161731.2/29

All: 0.015+/-0.000 χ^2/NDF: 16799223.9/61

- sign 0.015+/-0.000 χ^2/NDF: 8632227.7/31

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.310+/-0.000 χ^2/NDF:251489093.0/13

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

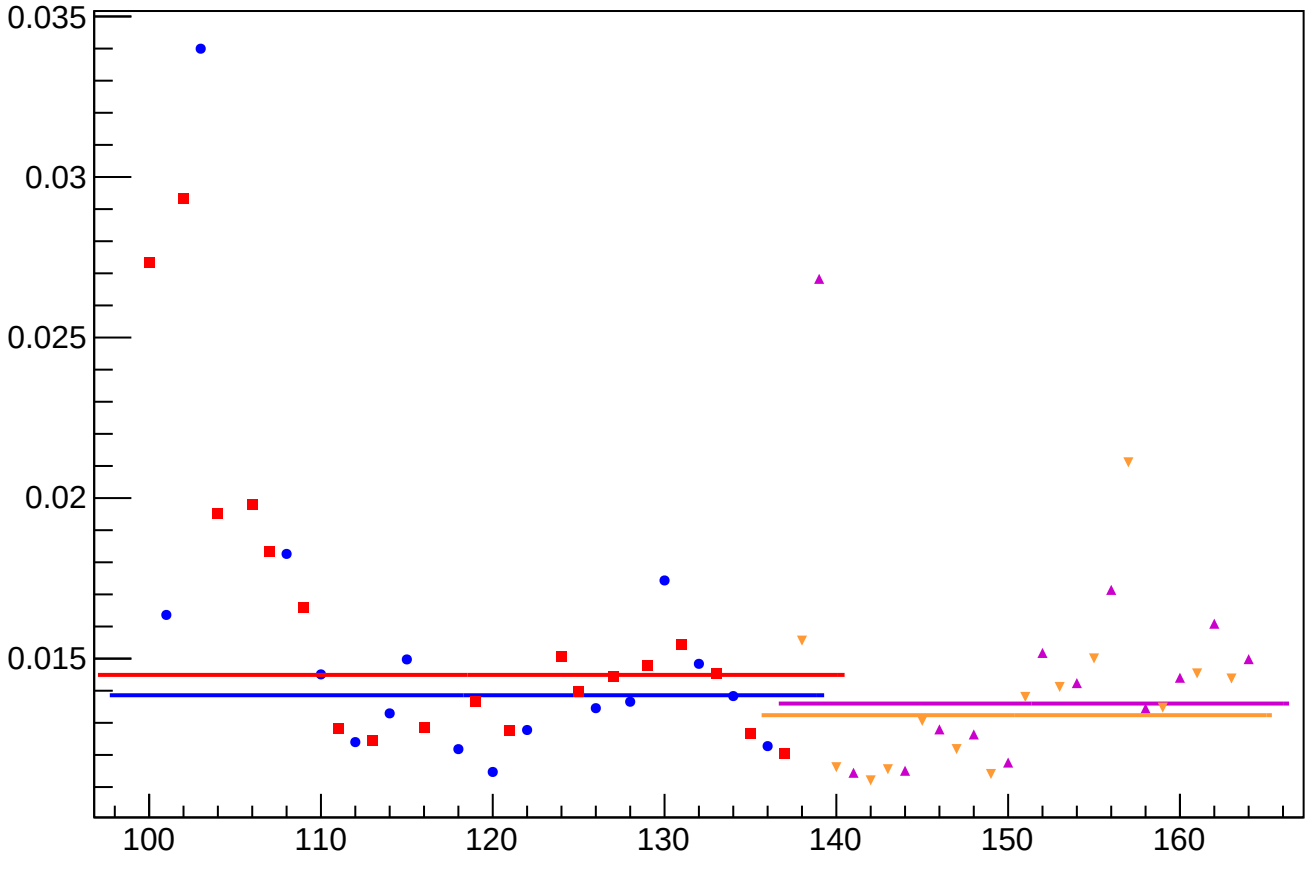
Left In: 1.298+/-0.000 χ^2/NDF:151887677.7/12

\+ sign 1.185+/-0.000 χ^2/NDF: 4002340182.1/29

All: 1.176+/-0.000 χ^2/NDF: 8254566935.8/61

\- 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:389522.3/13

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

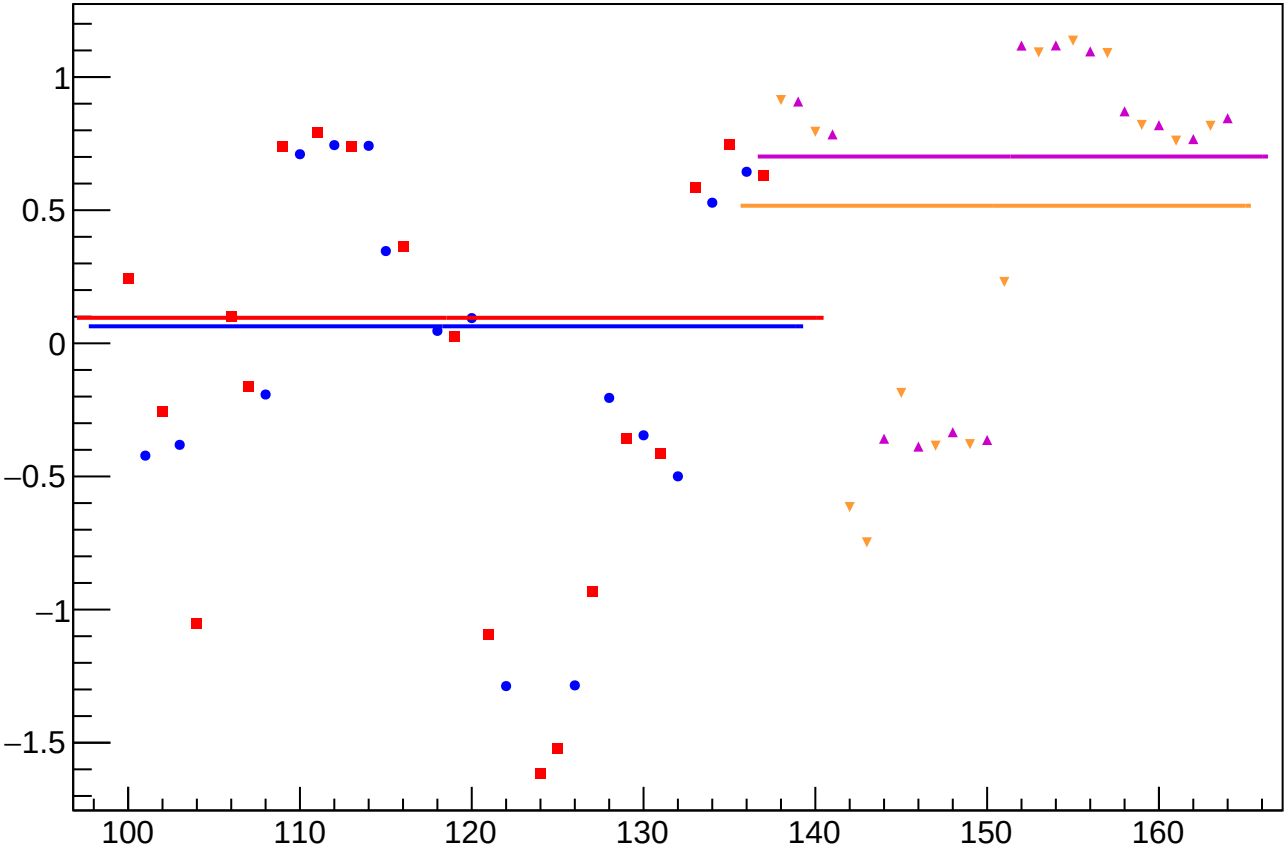
Left In: 0.014+/-0.000 χ^2/NDF:684590.7/12

+ sign 0.013+/-0.000 χ^2/NDF: 1005178.2/29

All: 0.014+/-0.000 χ^2/NDF: 2282777.9/61

- sign 0.014+/-0.000 χ^2/NDF: 1259482.5/31

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.517+/-0.000 χ^2/NDF:26558349886.4/13

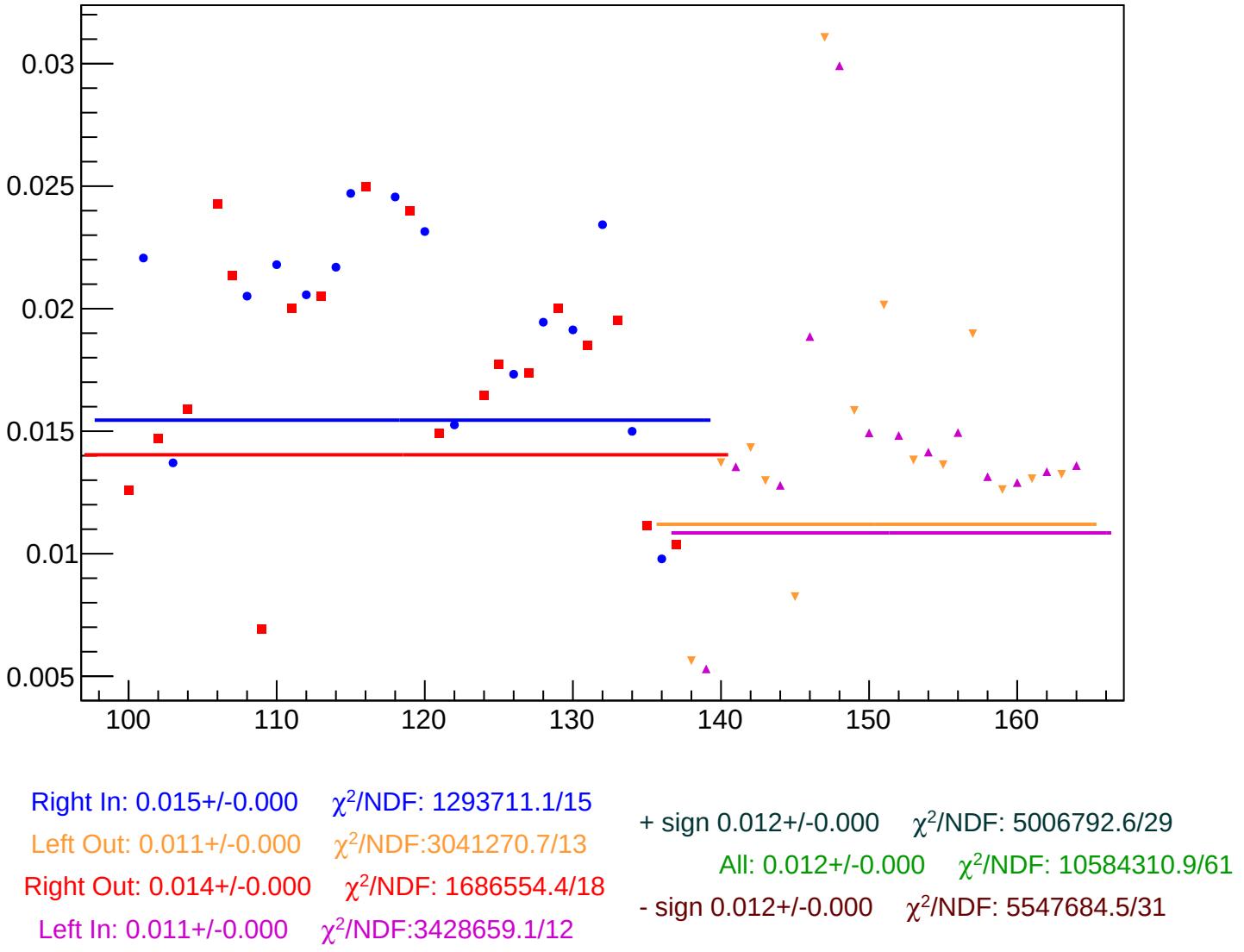
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

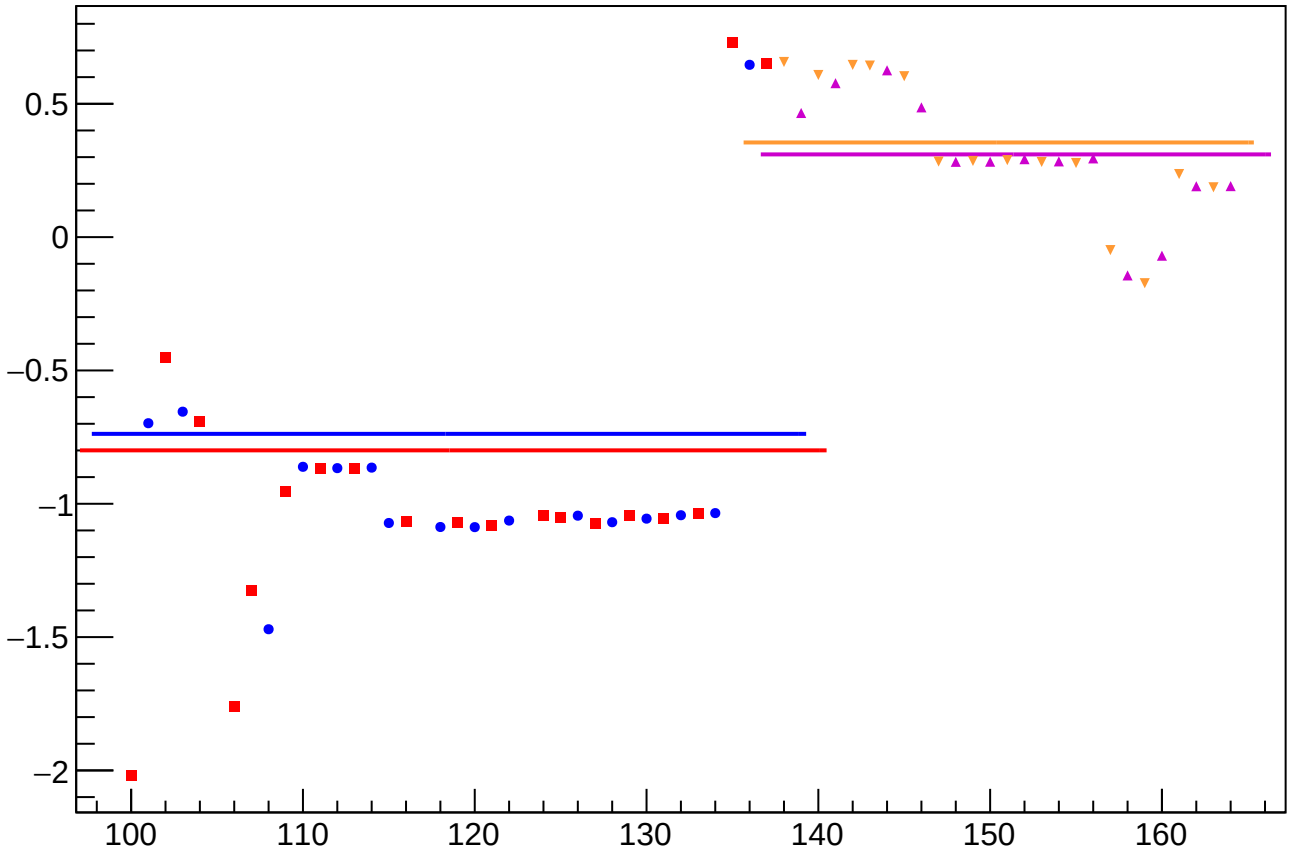
Left In: 0.702+/-0.000 χ^2/NDF:17456719142.7/12

+ sign 0.399+/-0.000 χ^2/NDF: 41407591954.9/29

All: 0.466+/-0.000 χ^2/NDF: 85290863312.4/6

- 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:3041270.7/13
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: 5006792.6/29
All: 0.012+/-0.000 χ²/NDF: 10584310.9/61
- sign 0.012+/-0.000 χ²/NDF: 5547684.5/31



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.355+/-0.000 χ^2/NDF:478702930.4/13

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

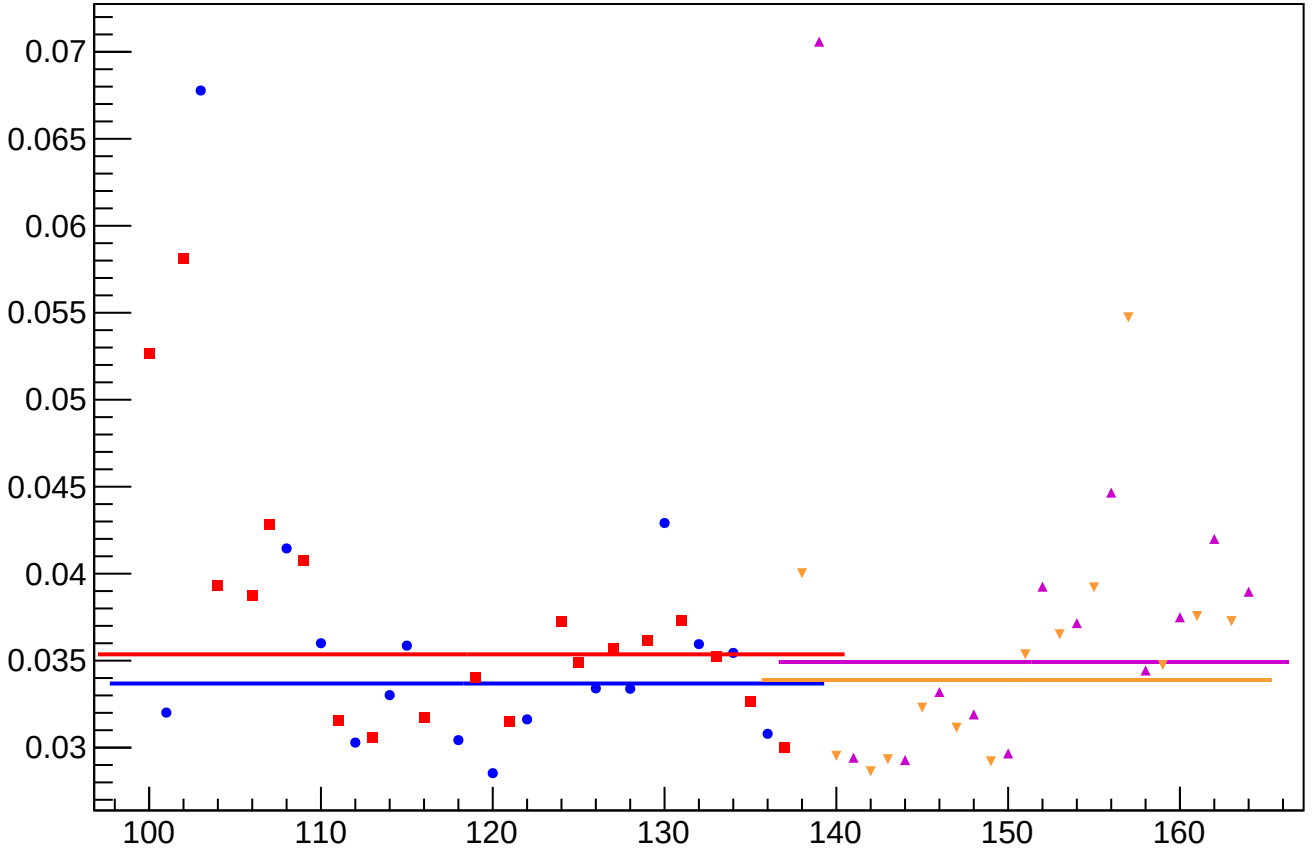
Left In: 0.310+/-0.000 χ^2/NDF:404942792.2/12

+ sign -0.084+/-0.000 χ^2/NDF: 6518952460.2/29

All: -0.108+/-0.000 χ^2/NDF: 12647364373.6/

- 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:421906.5/13

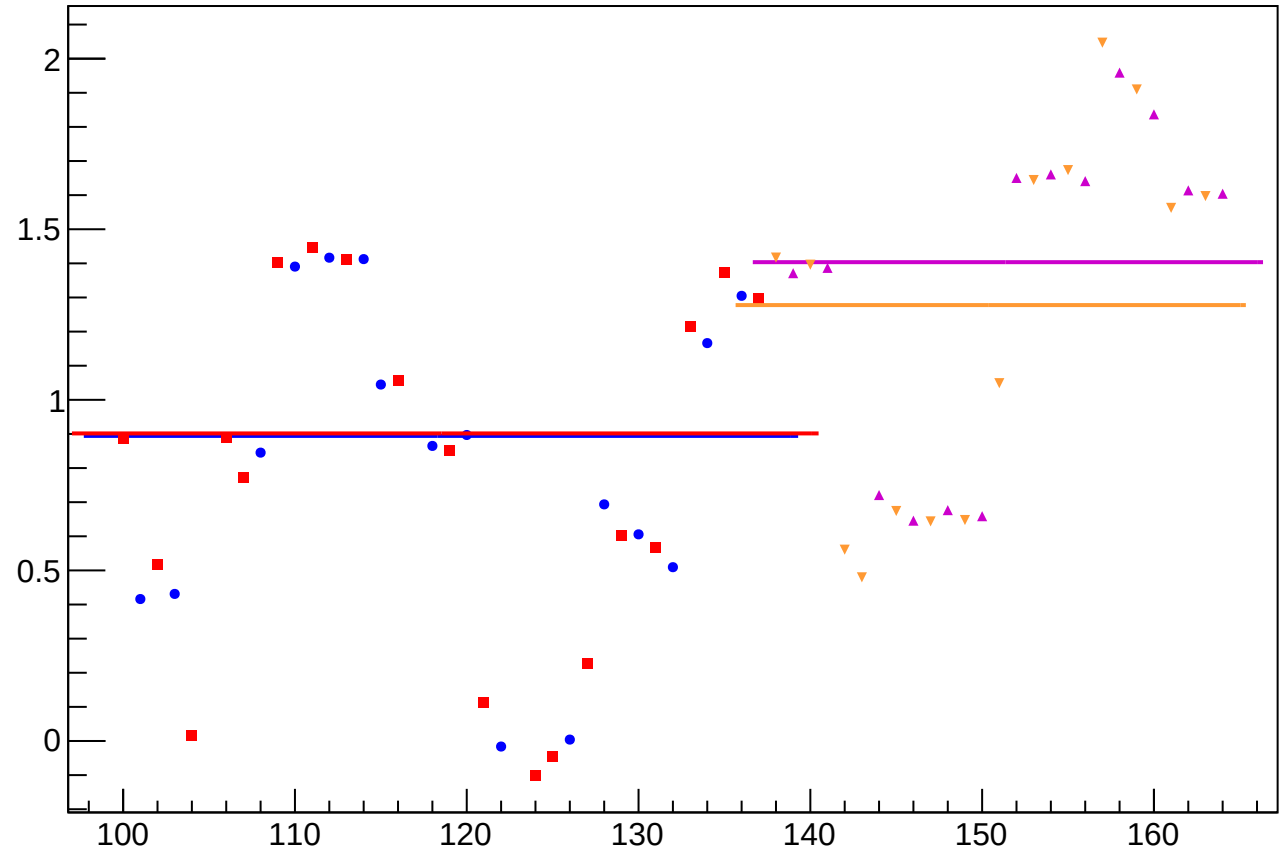
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:744944.4/12

+ sign 0.034+/-0.000 χ^2/NDF: 842406.6/29

All: 0.034+/-0.000 χ^2/NDF: 1907187.3/61

- 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: 1.278+/-0.000 χ^2/NDF:30861245342.9/13

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

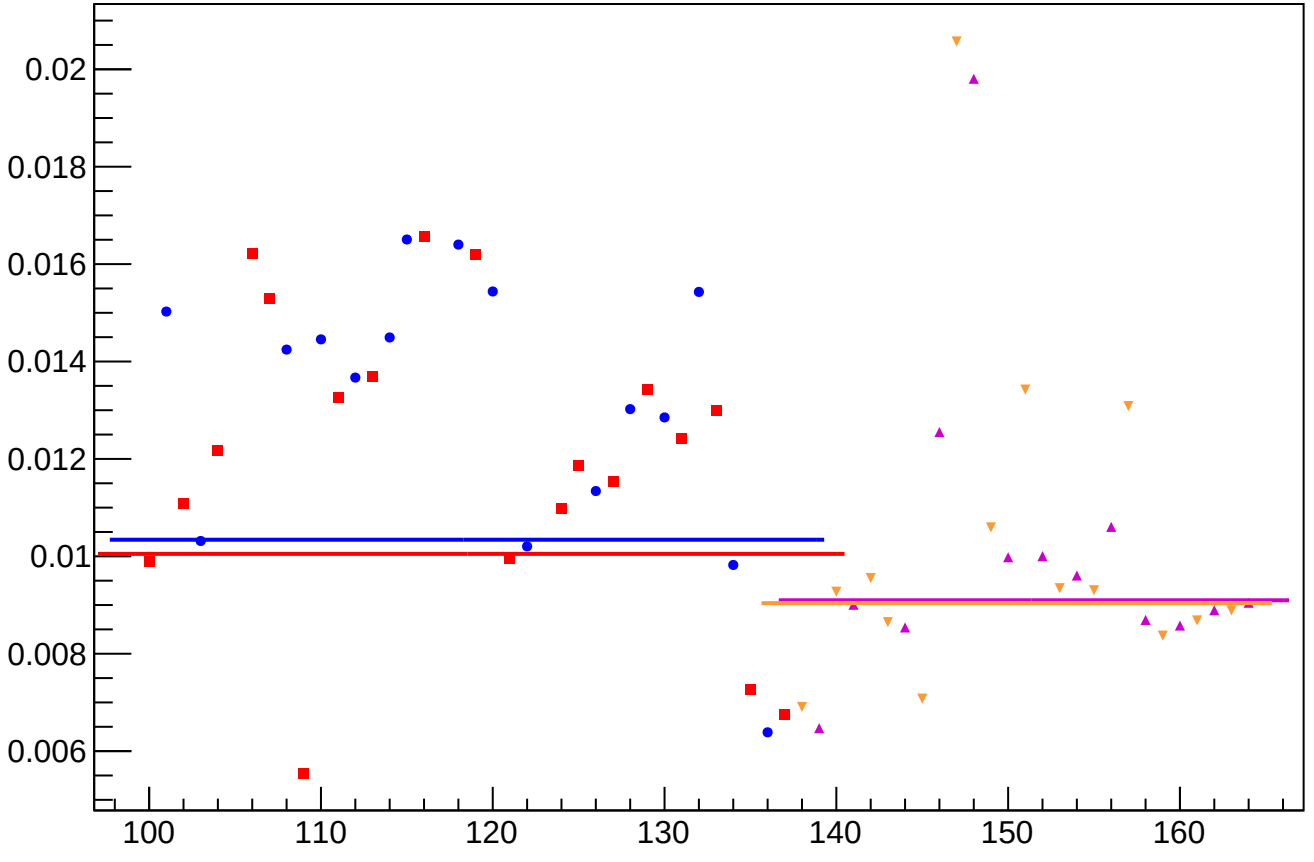
Left In: 1.404+/-0.000 χ^2/NDF:22198176243.5/12

+ sign 1.159+/-0.000 χ^2/NDF: 49262195162.1/29

All: 1.198+/-0.000 χ^2/NDF: 100040055929.7

- 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:1123537.9/13

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

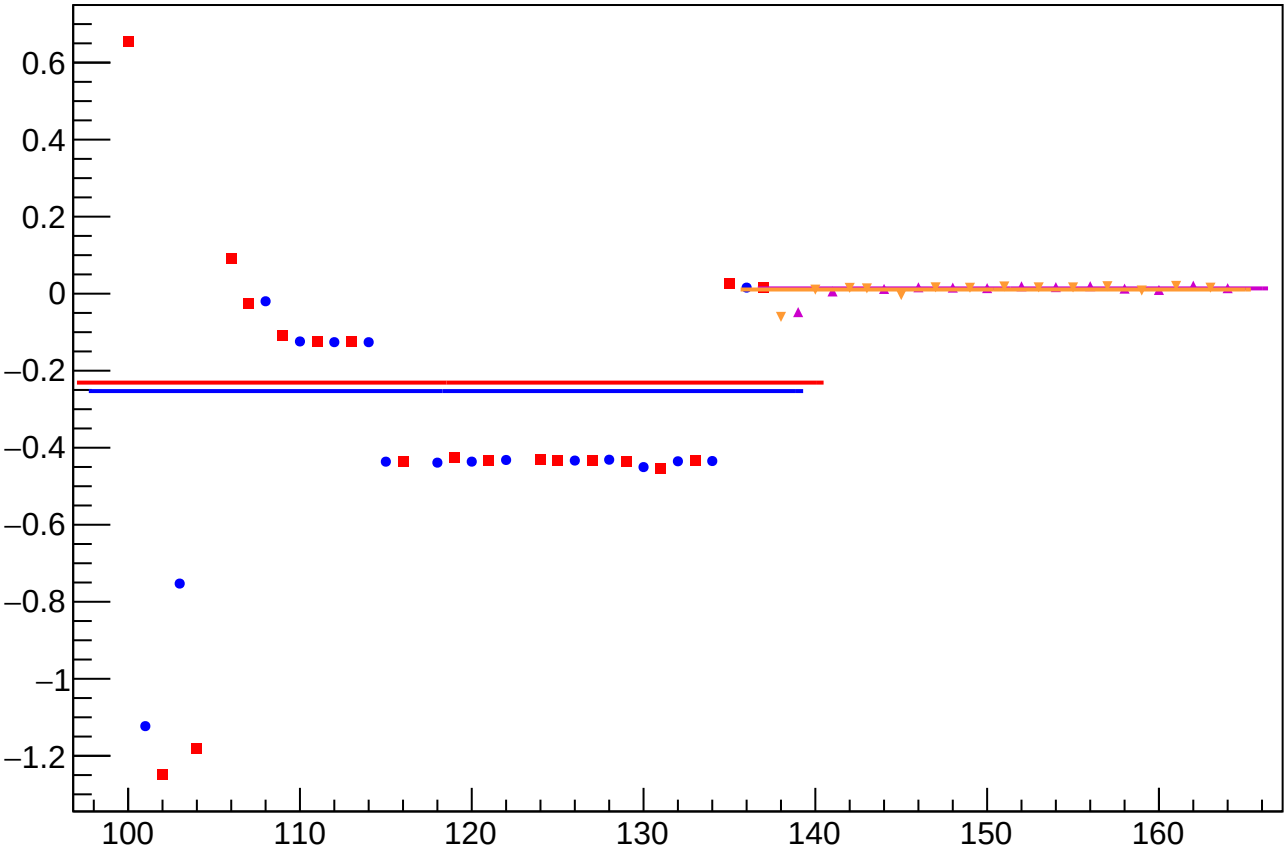
Left In: 0.009+/-0.000 χ^2/NDF:917976.6/12

+ sign 0.009+/-0.000 χ^2/NDF: 2604336.1/29

All: 0.009+/-0.000 χ^2/NDF: 4932352.2/61

- 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:22839468.2/13

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

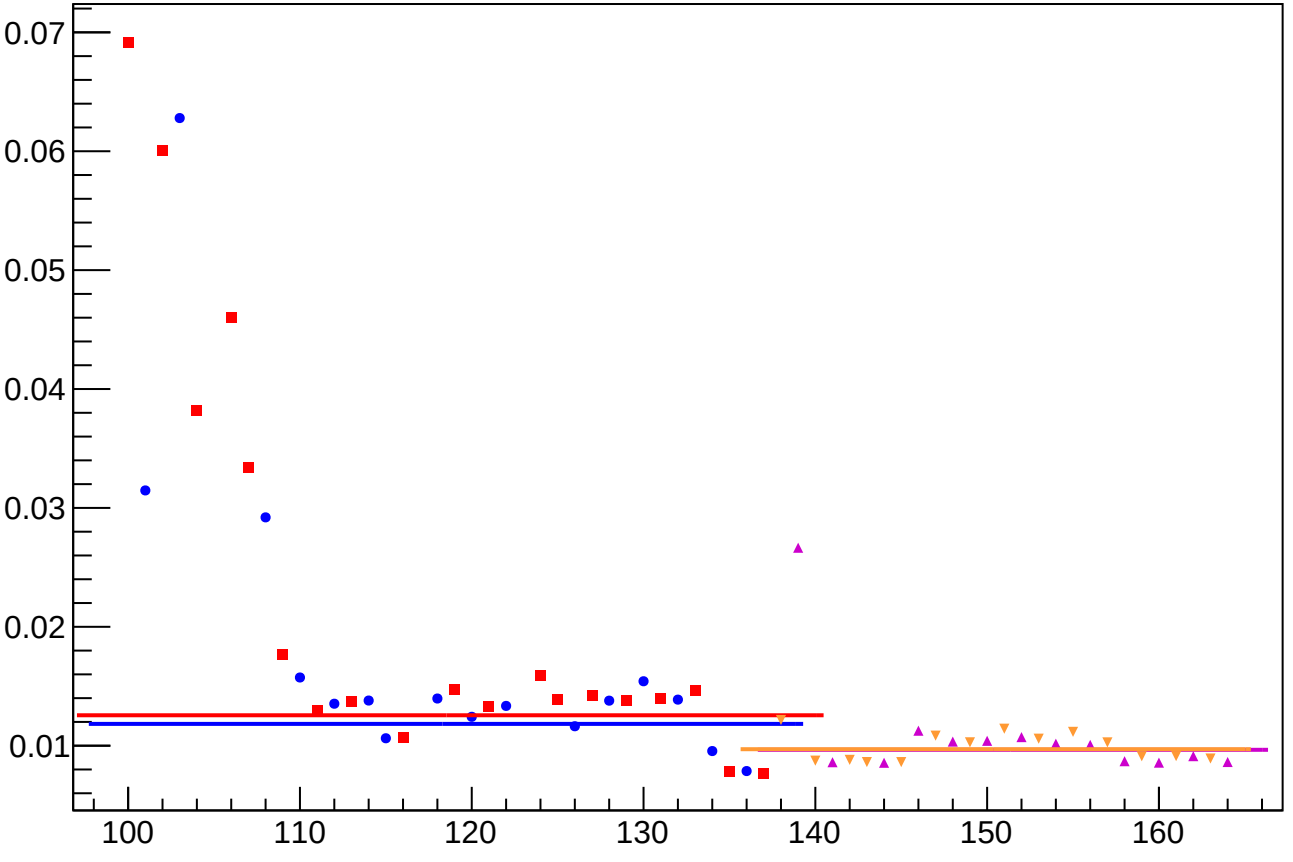
Left In: 0.014+/-0.000 χ^2/NDF:6203930.2/12

+ sign -0.060+/-0.000 χ^2/NDF: 3858125842.4/29

All: -0.054+/-0.000 χ^2/NDF: 7108900968.1/6

- 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:222017.0/13

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

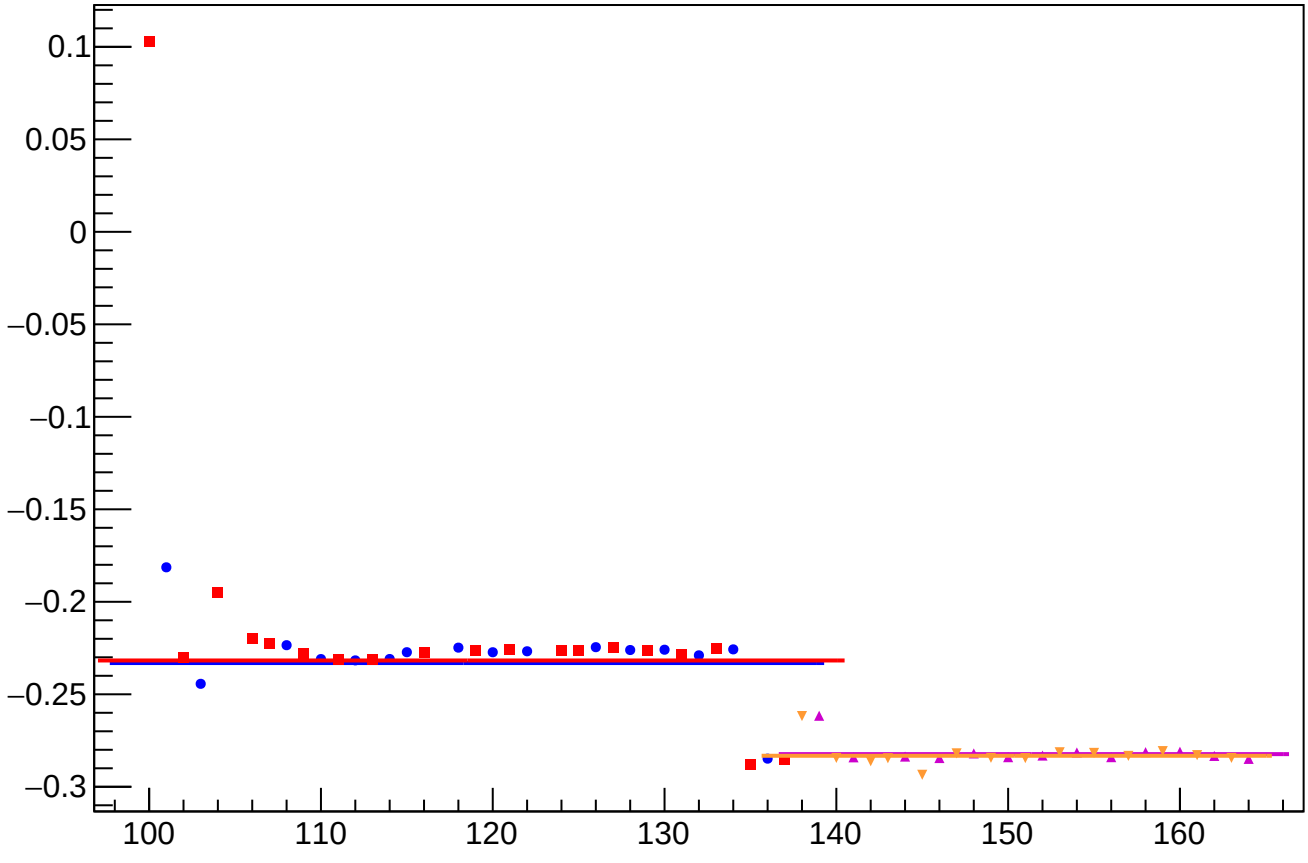
Left In: 0.010+/-0.000 χ^2/NDF:845436.1/12

+ sign 0.010+/-0.000 χ^2/NDF: 2400450.8/29

All: 0.010+/-0.000 χ^2/NDF: 5867042.6/61

- 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:15013555.5/13

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

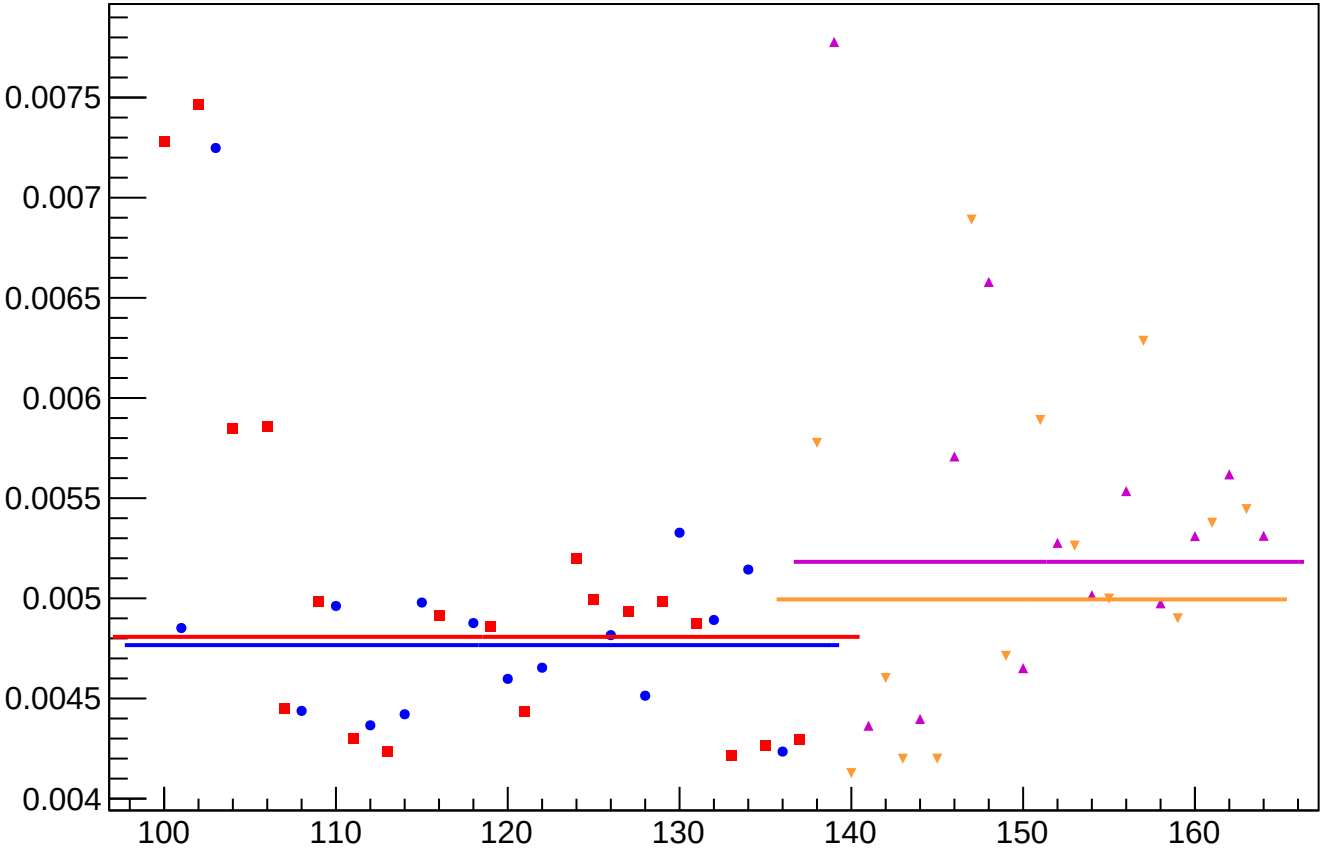
Left In: -0.282+/-0.000 χ^2/NDF:6479885.8/12

+ sign -0.263+/-0.000 χ^2/NDF: 635199999.0/29

All: -0.262+/-0.000 χ^2/NDF: 1351829643.2/6

- 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:450871.6/13

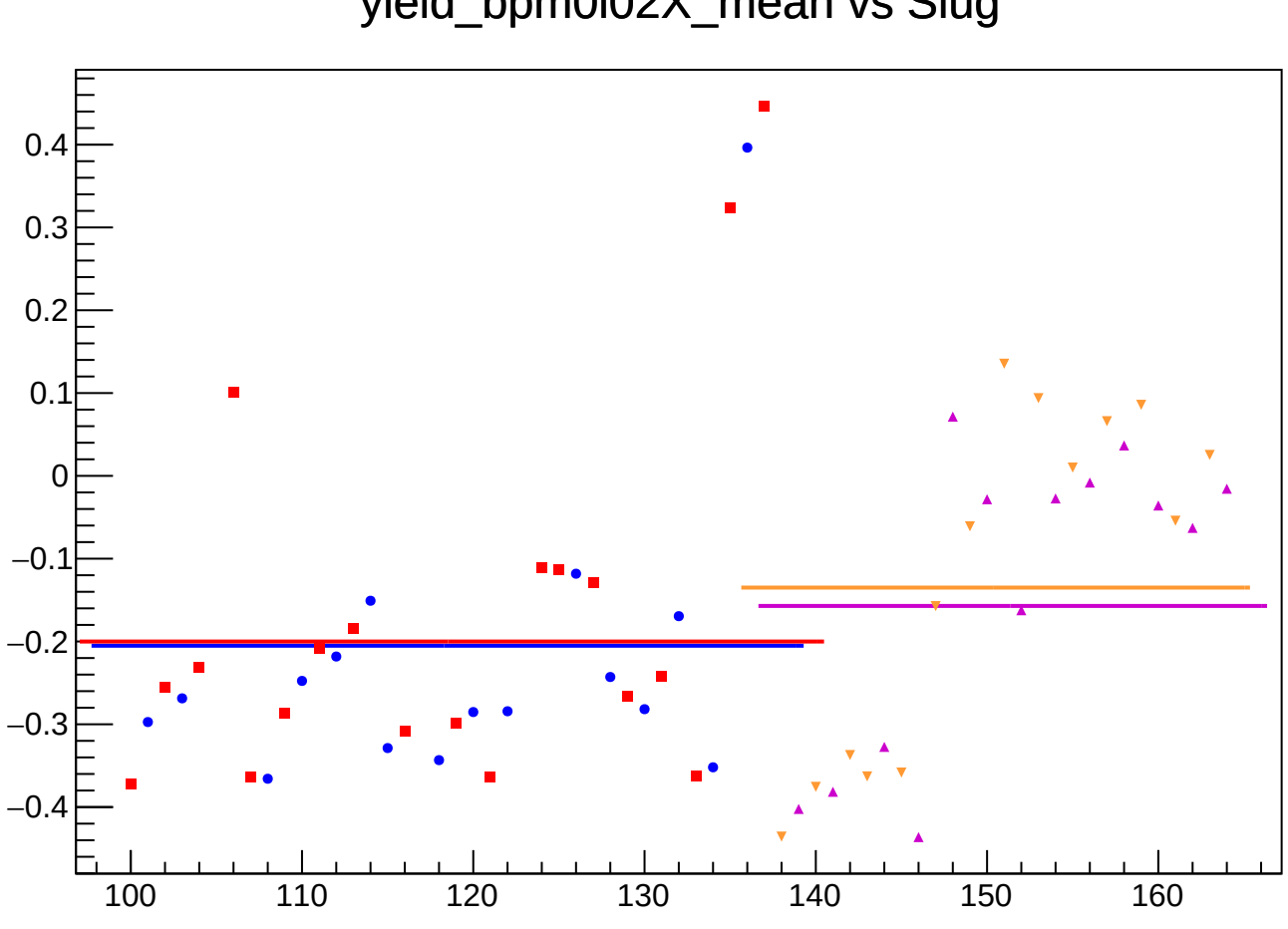
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:418116.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 660104.4/29

All: 0.005+/-0.000 χ^2/NDF: 1427546.1/61

- sign 0.005+/-0.000 χ^2/NDF: 757919.3/31



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.135+/-0.000 χ^2/NDF:14356407743.9/13

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

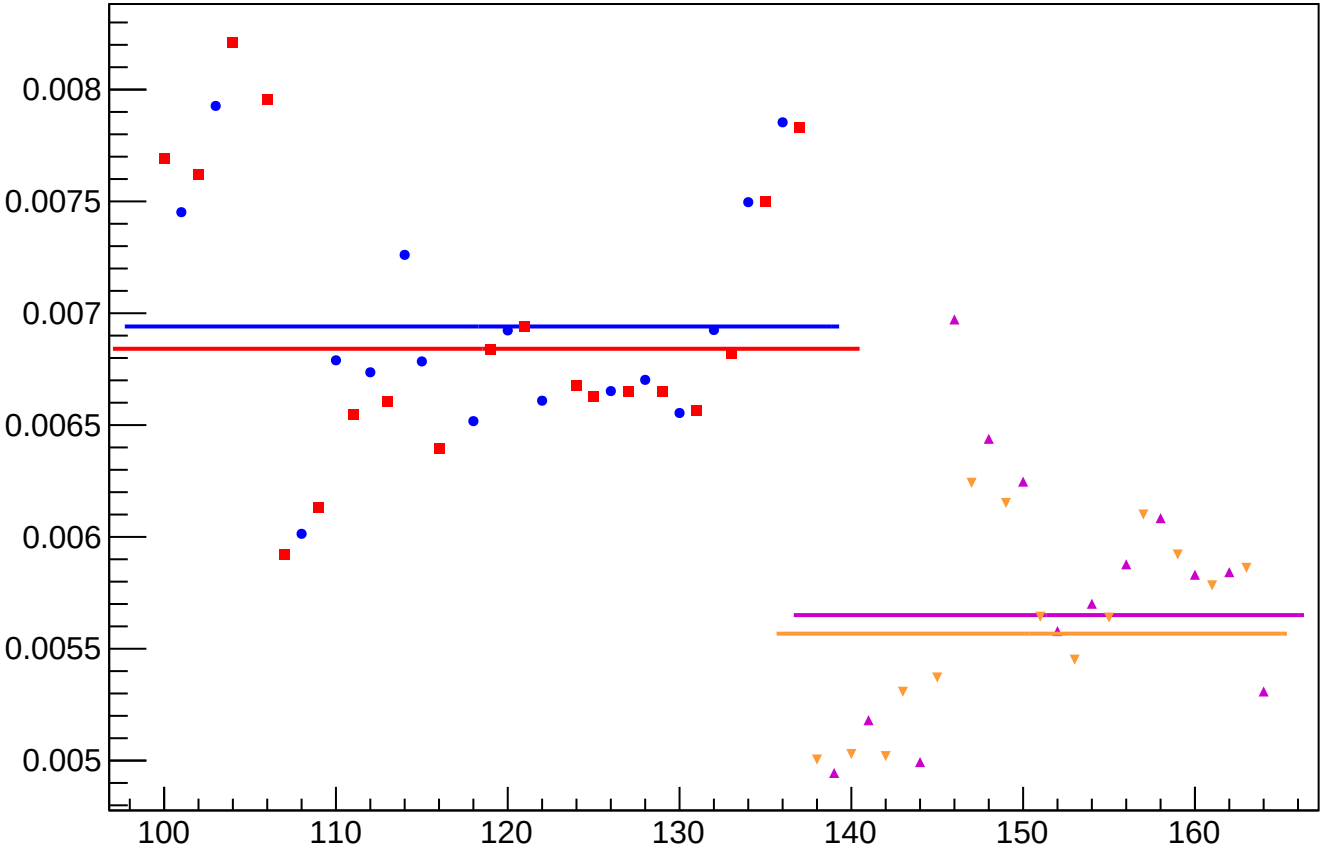
Left In: -0.157+/-0.000 χ^2/NDF:9724593731.8/12

+ sign -0.156+/-0.000 χ^2/NDF: 21046570787.8/29

All: -0.164+/-0.000 χ^2/NDF: 36265243464.9/

- 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:108353.9/13

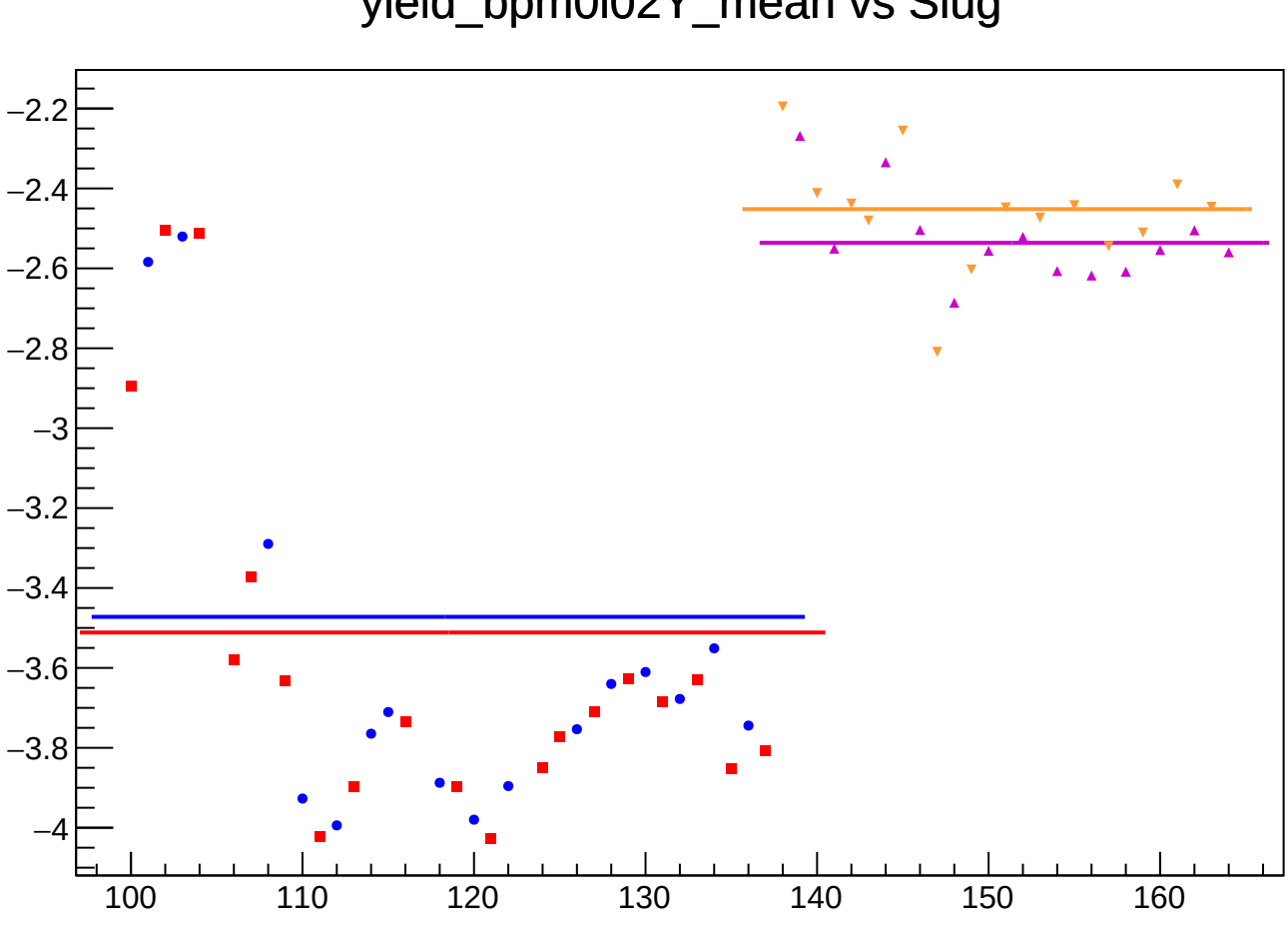
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:183481.8/12

+ sign 0.006+/-0.000 χ^2/NDF: 576977.7/29

All: 0.006+/-0.000 χ^2/NDF: 1155203.2/61

- 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: -2.452+/-0.000 χ^2/NDF:1623131223.9/13

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

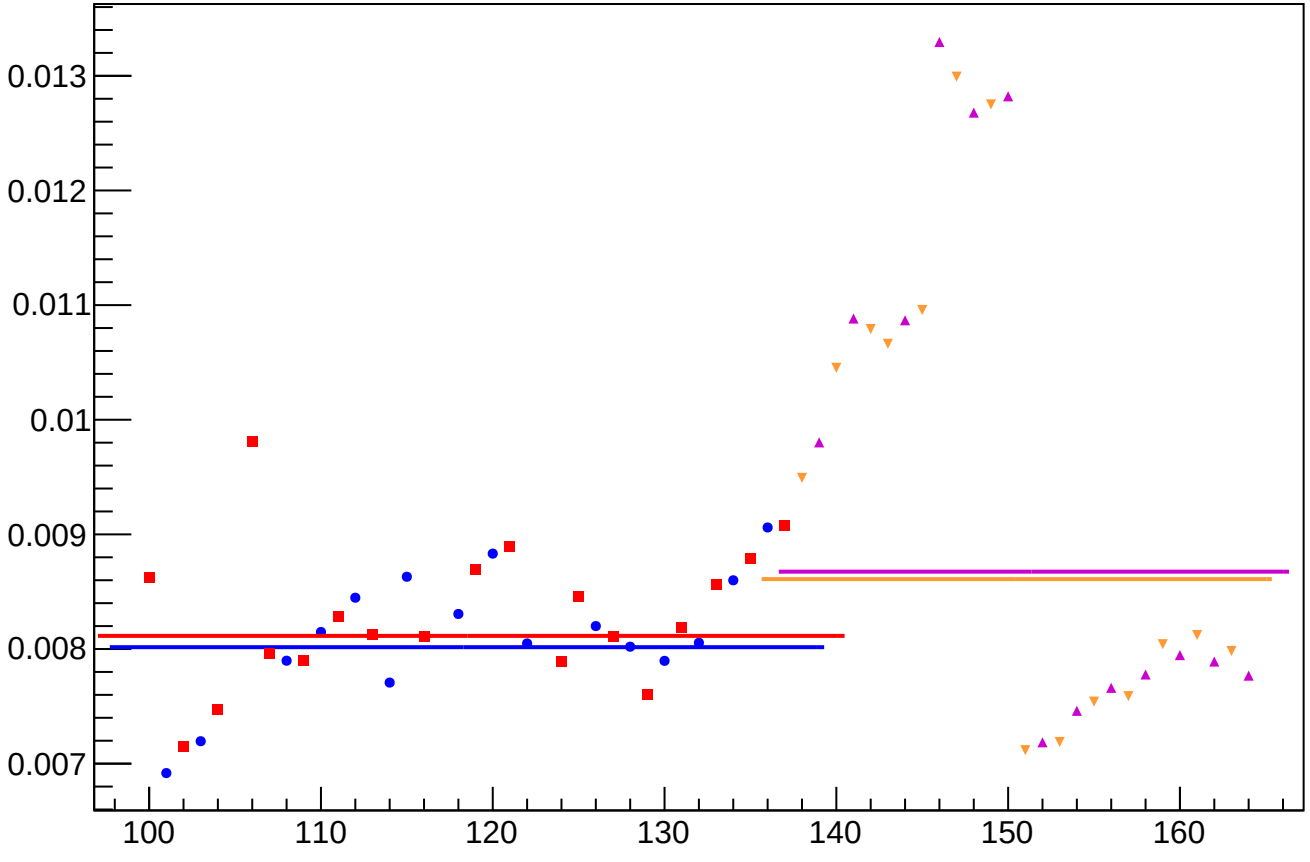
Left In: -2.536+/-0.000 χ^2/NDF:1295219267.0/12

+ sign -2.905+/-0.000 χ^2/NDF: 94187937467.1/29

All: -2.940+/-0.000 χ^2/NDF: 182185690614.4

- 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:734414.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

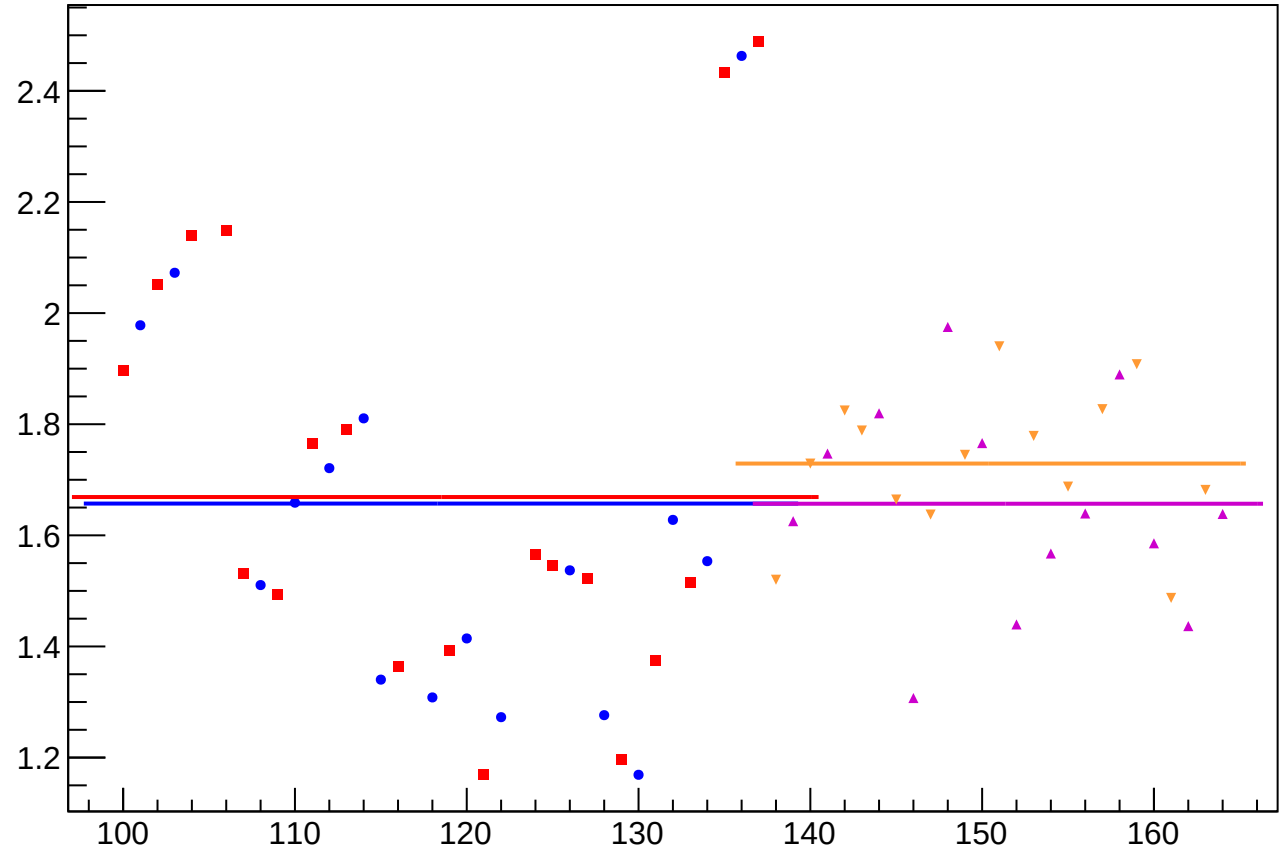
Left In: 0.009+/-0.000 χ^2/NDF:844511.0/12

+ sign 0.008+/-0.000 χ^2/NDF: 863299.6/29

All: 0.008+/-0.000 χ^2/NDF: 1817420.8/61

- 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: 1.729+/-0.000 χ^2/NDF:1283254304.0/13

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

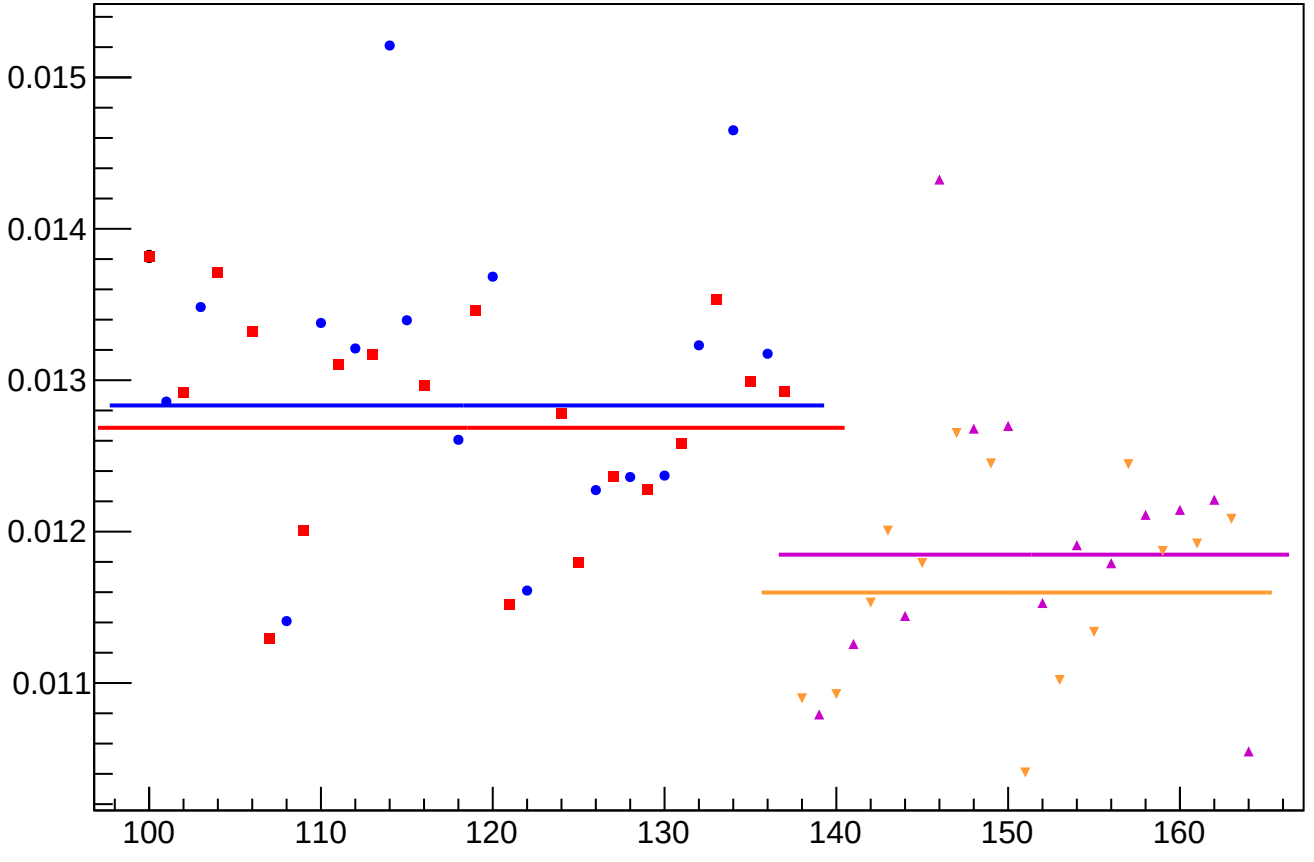
Left In: 1.657+/-0.000 χ^2/NDF:2136284499.6/12

+ sign 1.704+/-0.000 χ^2/NDF: 8092357496.5/29

All: 1.683+/-0.000 χ^2/NDF: 16696442150.3/6

- 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:68532.4/13

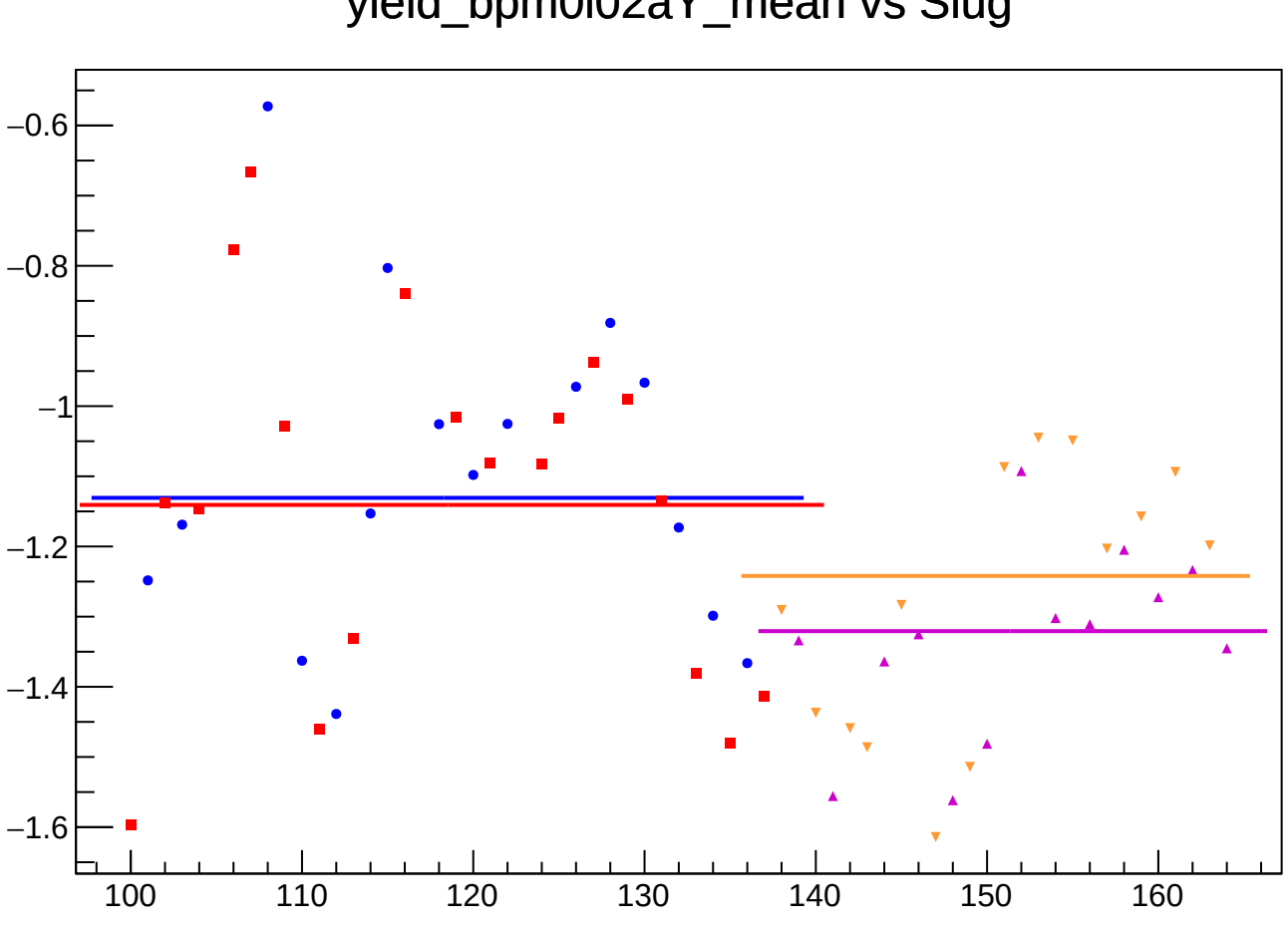
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:105009.9/12

+ sign 0.012+/-0.000 χ^2/NDF: 205218.7/29

All: 0.012+/-0.000 χ^2/NDF: 394519.5/61

- sign 0.012+/-0.000 χ^2/NDF: 187154.9/31



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.242+/-0.000 χ^2/NDF:4374269755.3/13

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

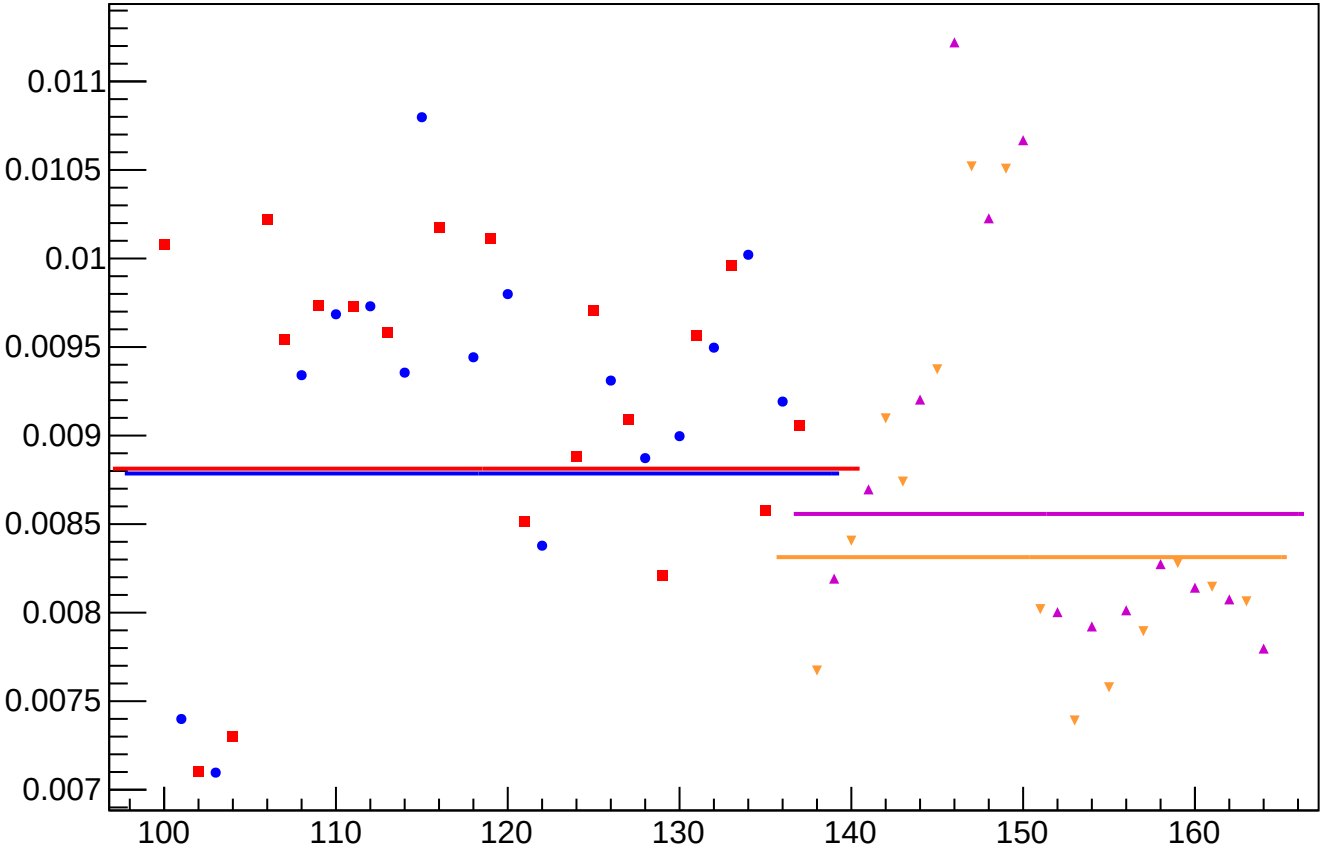
Left In: -1.321+/-0.000 χ^2/NDF:2150386905.5/12

+ sign -1.200+/-0.000 χ^2/NDF: 8850449825.6/29

All: -1.224+/-0.000 χ^2/NDF: 16578866514.8/

- 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:207345.6/13

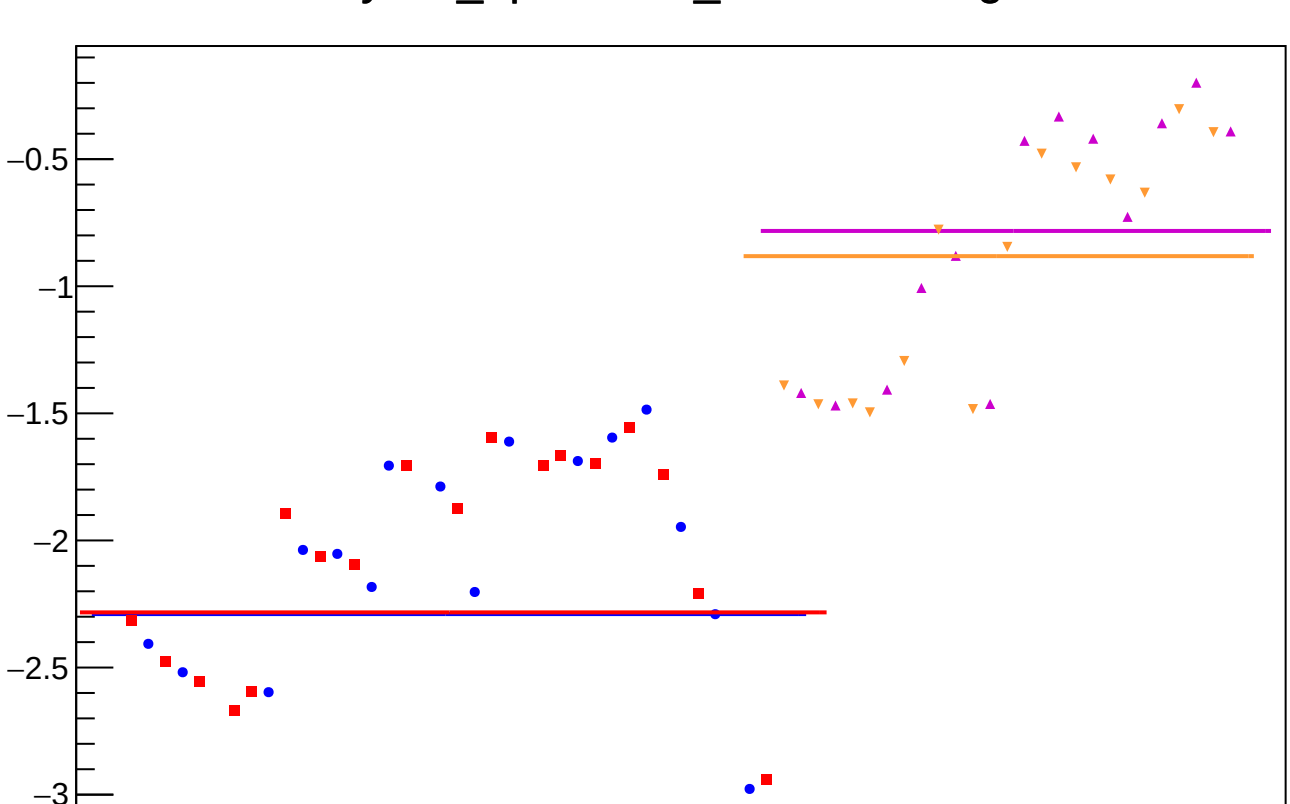
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:237014.3/12

+ sign 0.008+/-0.000 χ^2/NDF: 405561.2/29

All: 0.009+/-0.000 χ^2/NDF: 860583.3/61

- 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: -0.882+/-0.000 χ^2/NDF:27970645872.1/13

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

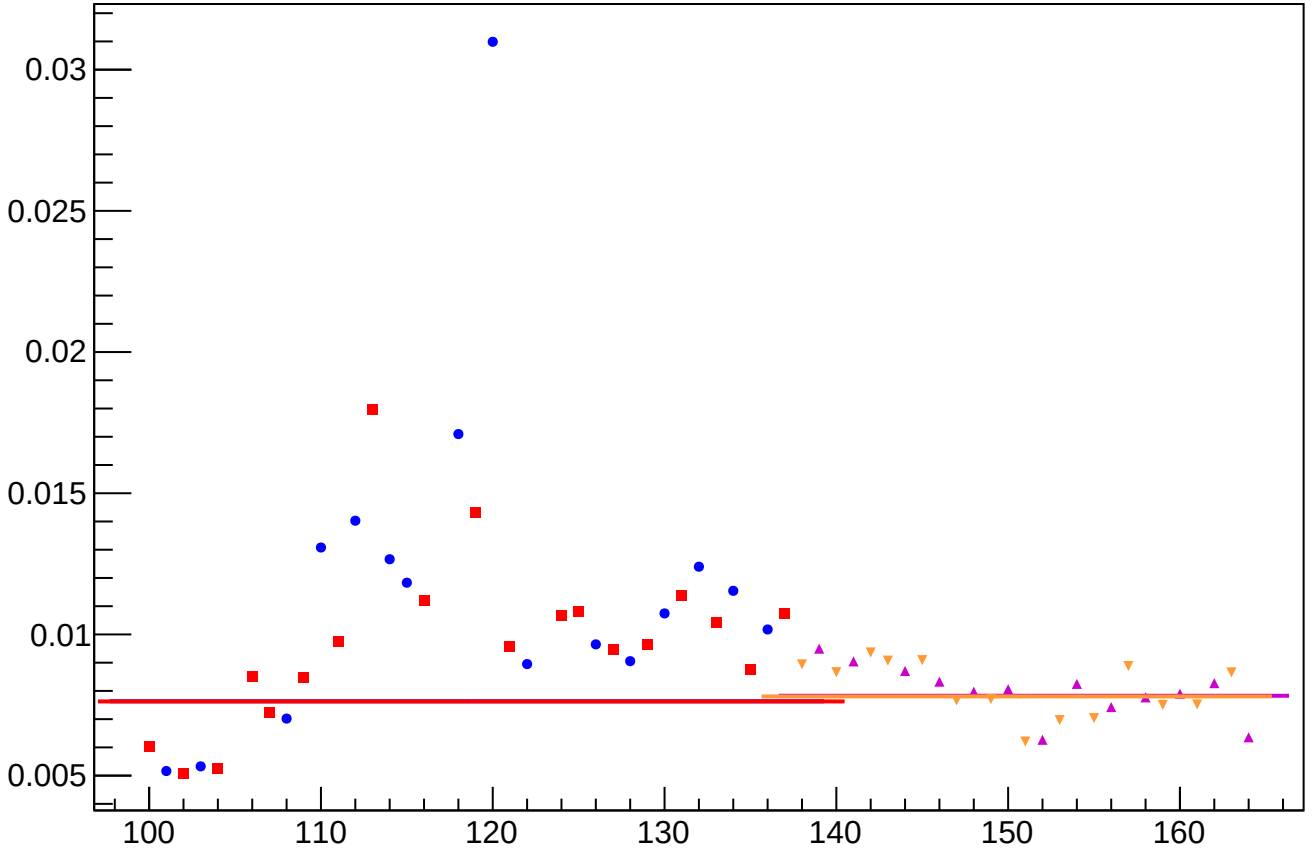
Left In: -0.782+/-0.000 χ^2/NDF:31711390829.8/12

+ sign -1.392+/-0.000 χ^2/NDF: 153533089474.7/29

All: -1.377+/-0.000 χ^2/NDF: 333831537166.4

- 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:283093.4/13

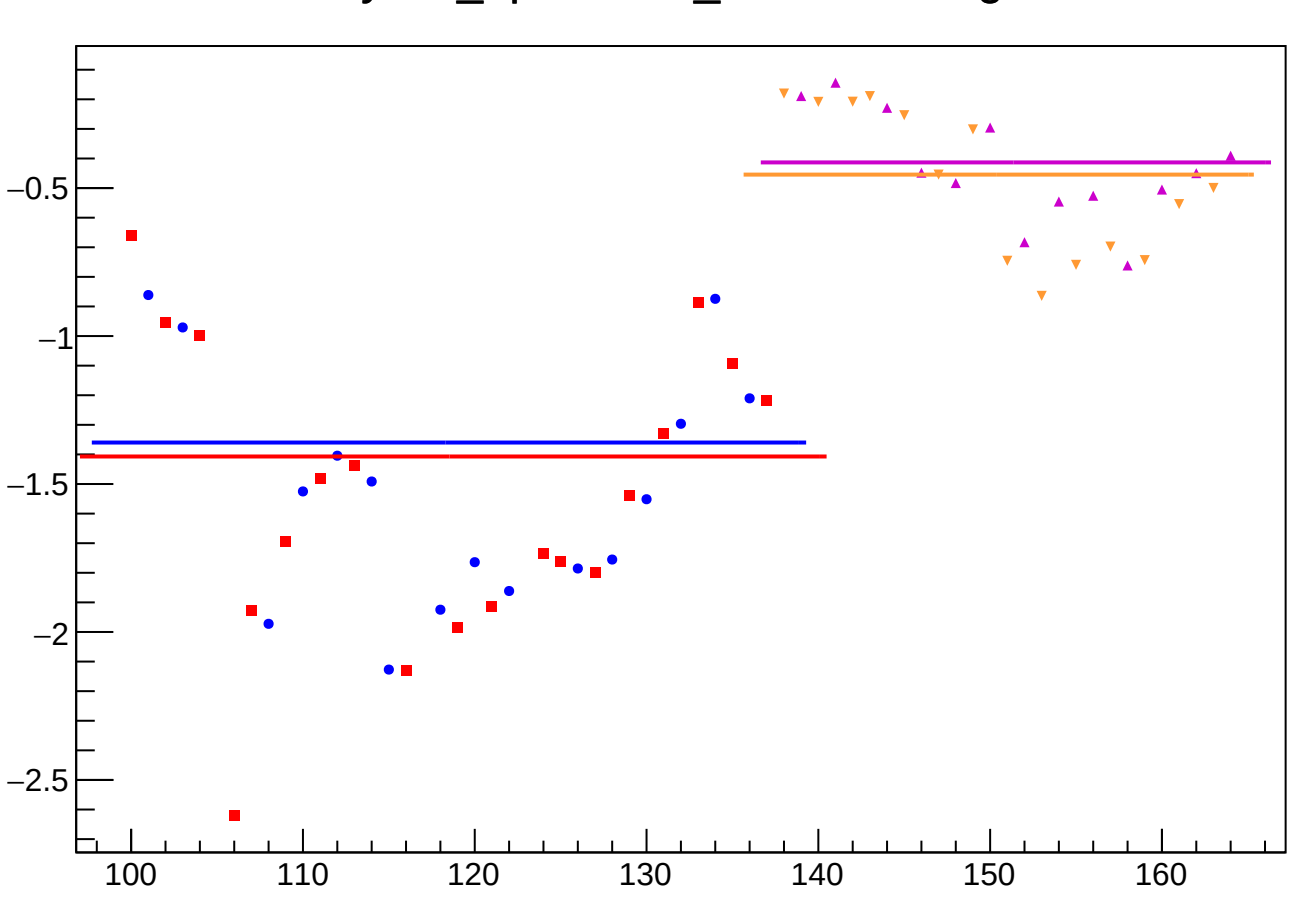
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:261844.5/12

+ sign 0.008+/-0.000 χ^2/NDF: 1997153.3/29

All: 0.008+/-0.000 χ^2/NDF: 3581481.7/61

- 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: -0.454+/-0.000 χ^2/NDF:27889856550.6/13

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

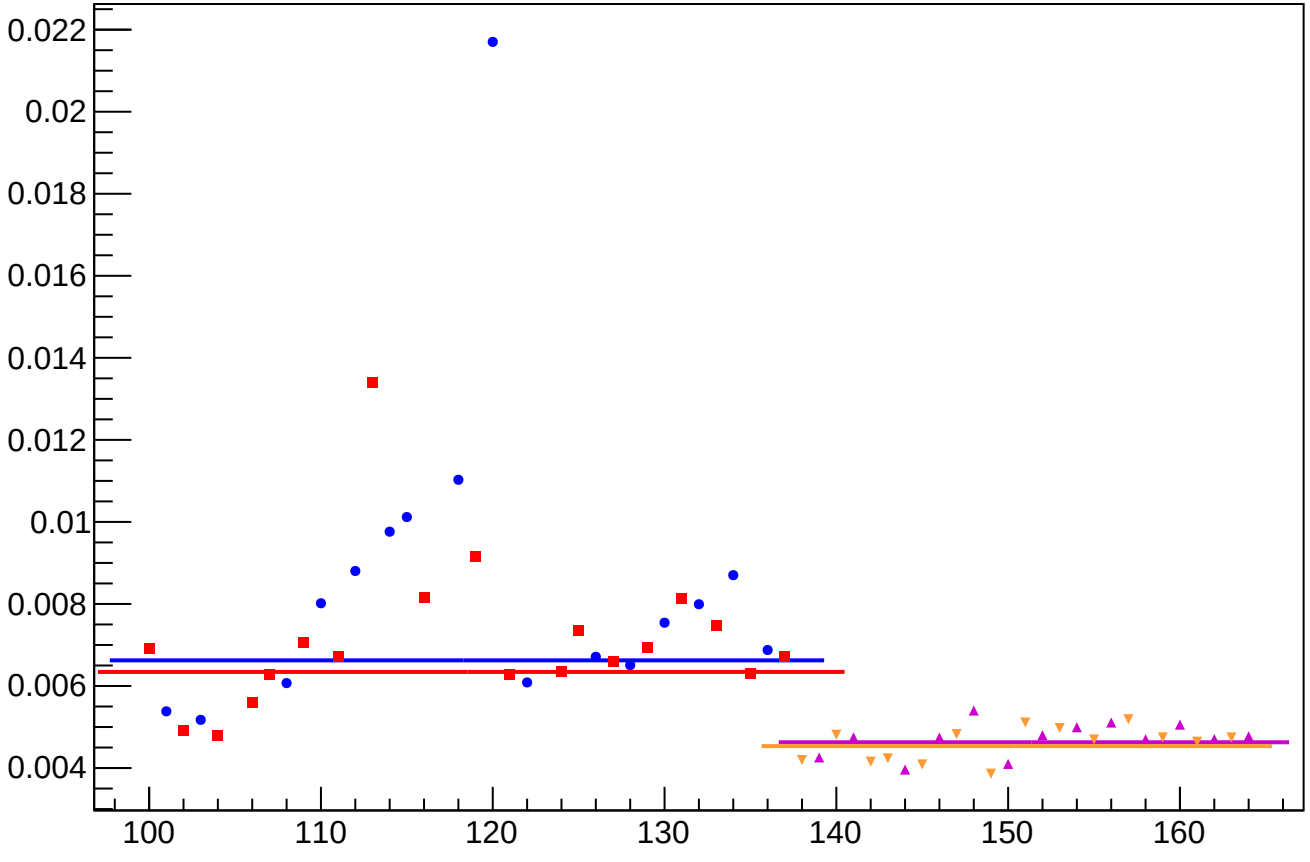
Left In: -0.413+/-0.000 χ^2/NDF:15498387499.0/12

+ sign -0.649+/-0.000 χ^2/NDF: 134279264496.7/29

All: -0.656+/-0.000 χ^2/NDF: 292072500490.9

- 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:154847.5/13

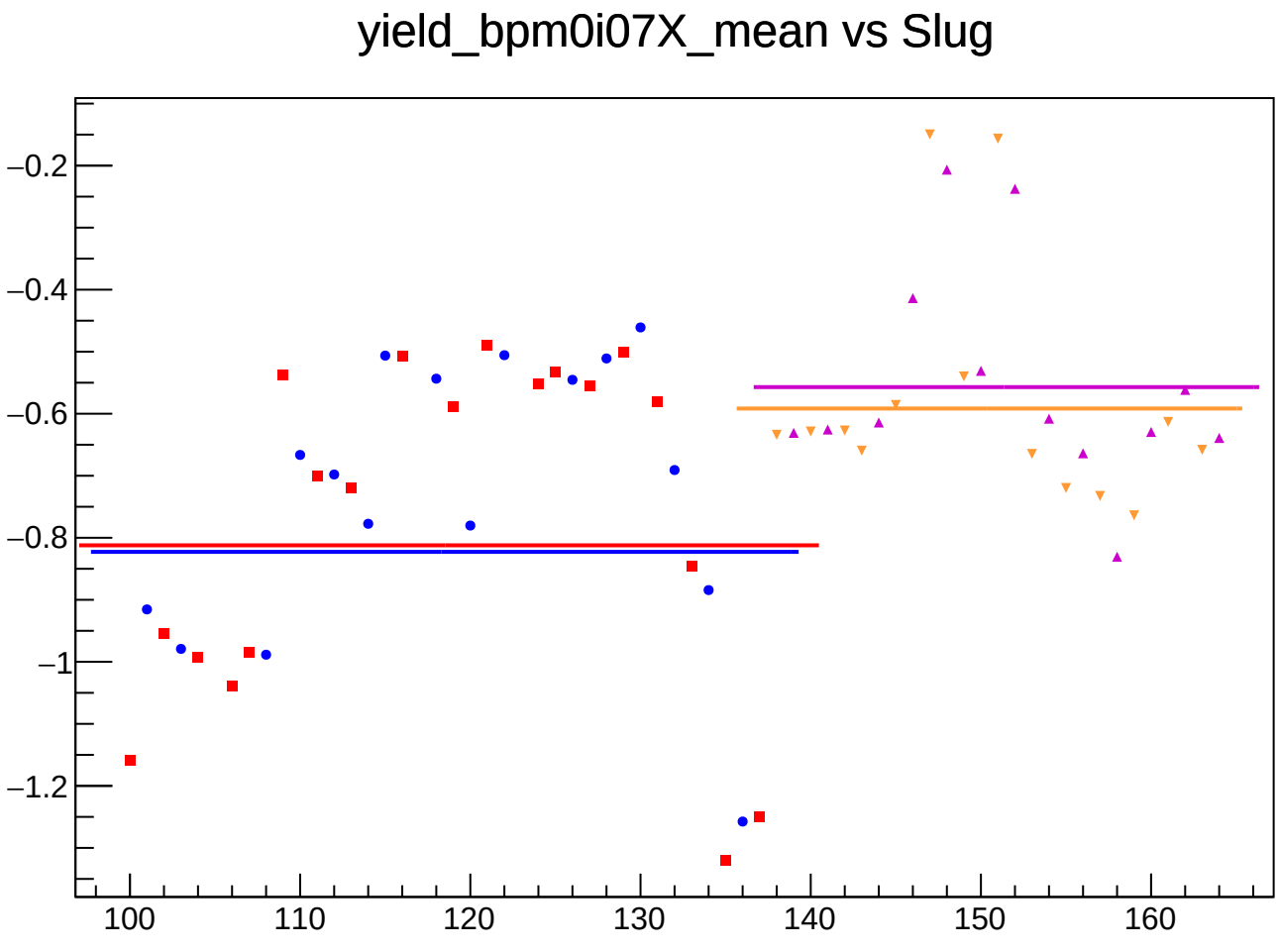
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:148942.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 1753582.6/29

All: 0.005+/-0.000 χ^2/NDF: 3104677.2/61

- 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: -0.592+/-0.000 χ^2/NDF:14202632122.1/13

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

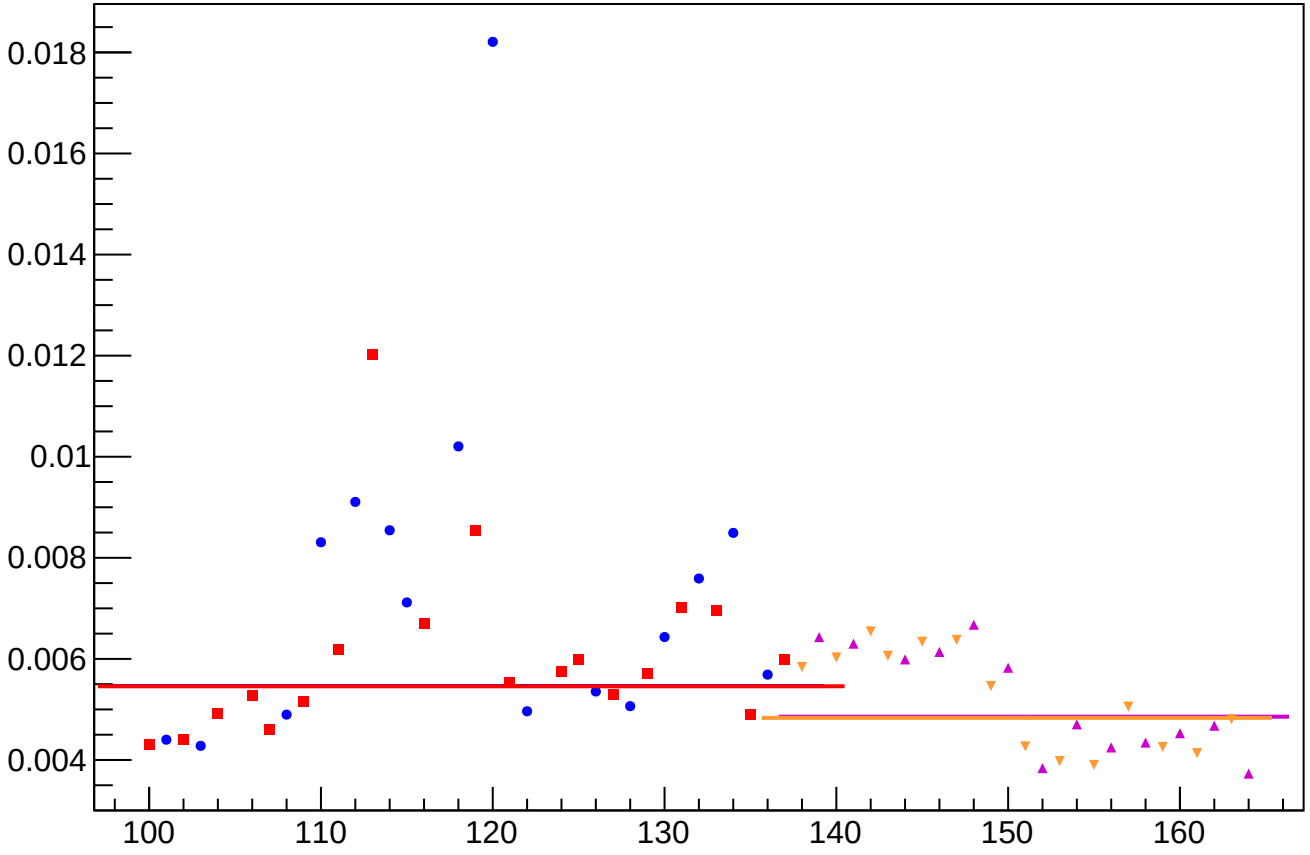
Left In: -0.557+/-0.000 χ^2/NDF:12332122844.6/12

+ sign -0.665+/-0.000 χ^2/NDF: 33176950614.7/29

All: -0.654+/-0.000 χ^2/NDF: 69117565034.9/

- 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:639080.1/13

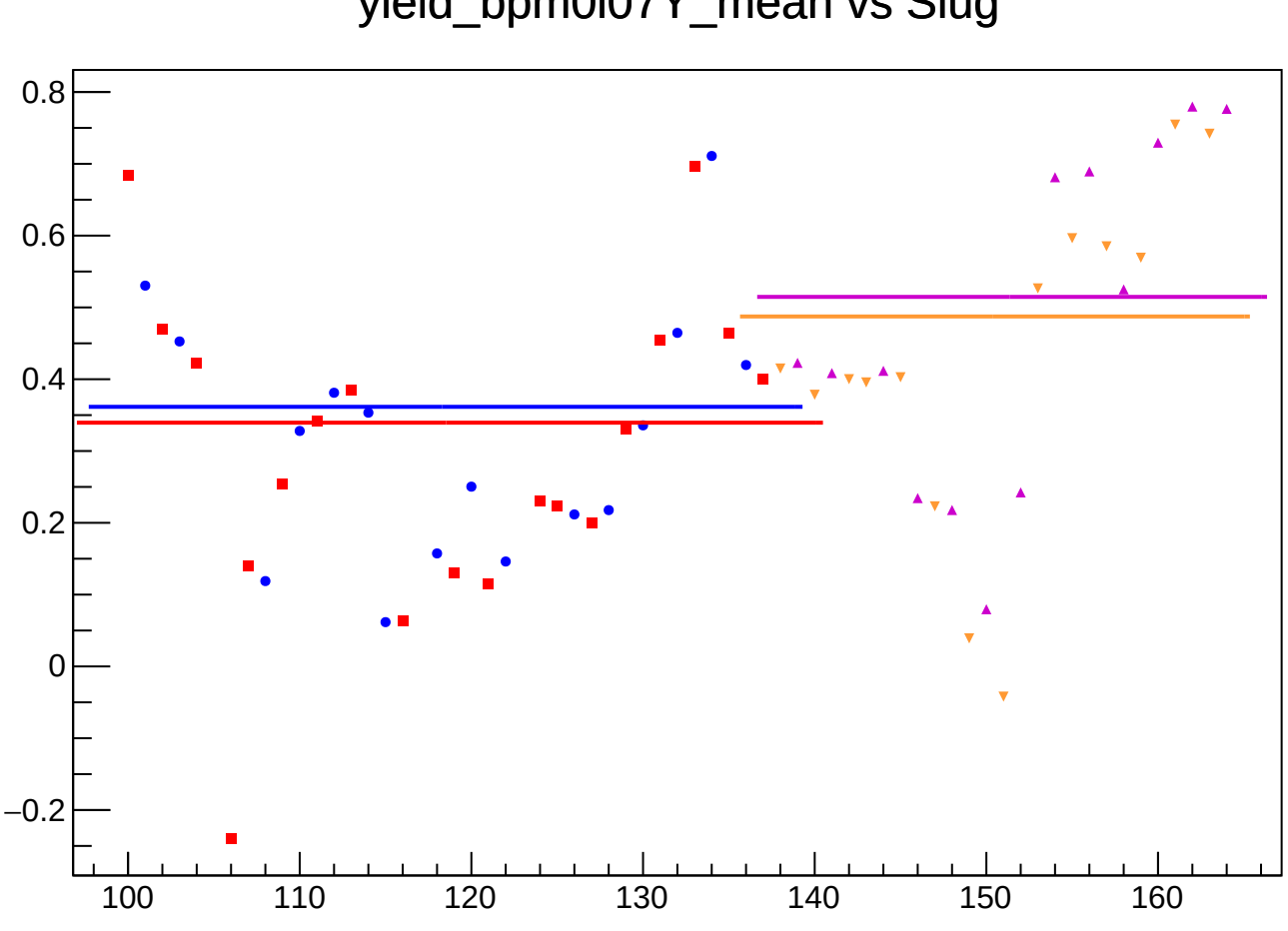
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:724107.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 1700870.9/29

All: 0.005+/-0.000 χ^2/NDF: 3029617.1/61

- sign 0.005+/-0.000 χ^2/NDF: 1328244.8/31



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.487+/-0.000 χ^2/NDF:28404038926.5/13

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

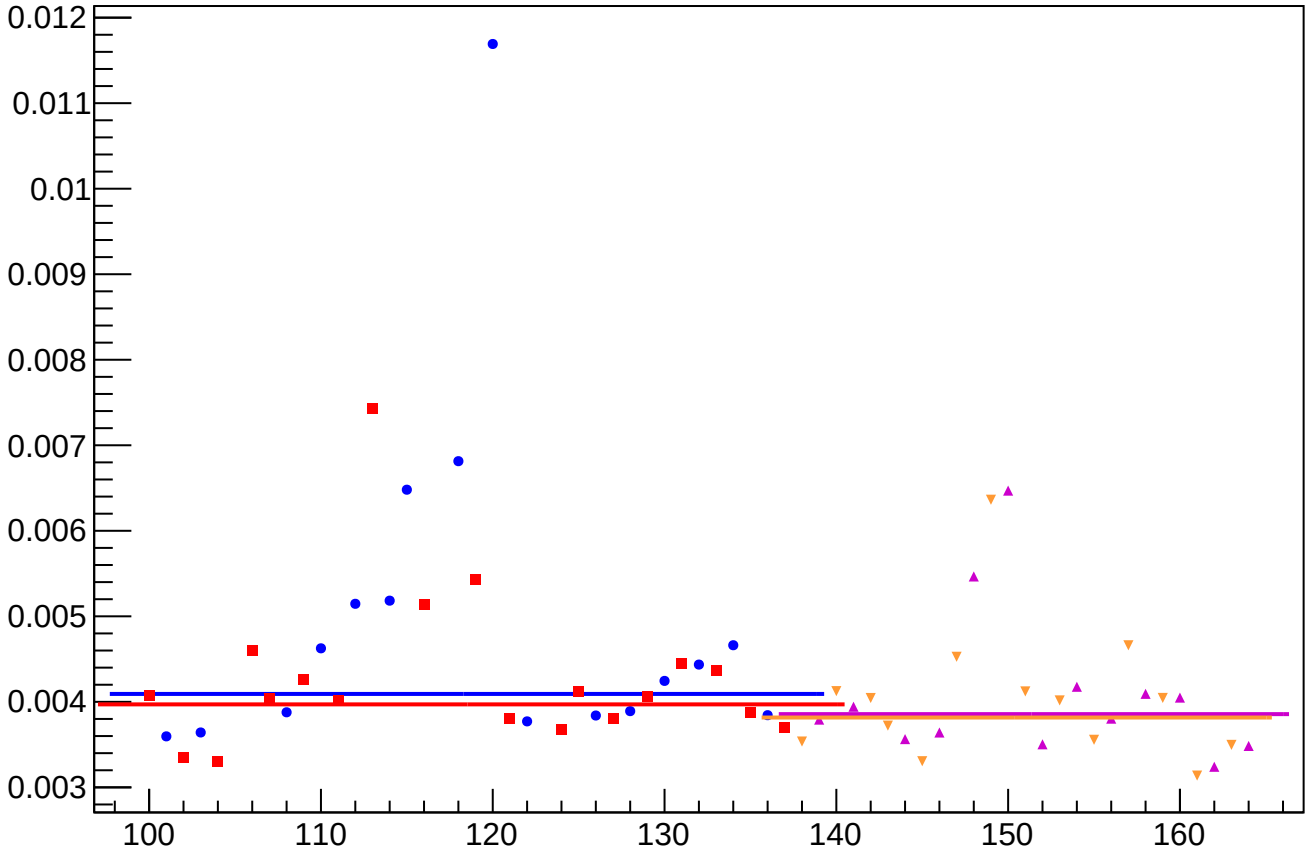
Left In: 0.515+/-0.000 χ^2/NDF:27481233678.9/12

+ sign 0.439+/-0.000 χ^2/NDF: 40755514819.8/29

All: 0.440+/-0.000 χ^2/NDF: 87591114044.7/6

- sign 0.442+/-0.000 χ^2/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:431237.4/13

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: 957359.7/29

All: 0.004+/-0.000 χ^2/NDF: 1725067.1/61

- sign 0.004+/-0.000 χ^2/NDF: 767384.2/31

yield_bpm1i02X_mean vs Slug

Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.342+/-0.000 χ^2/NDF:1642162807.4/13

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

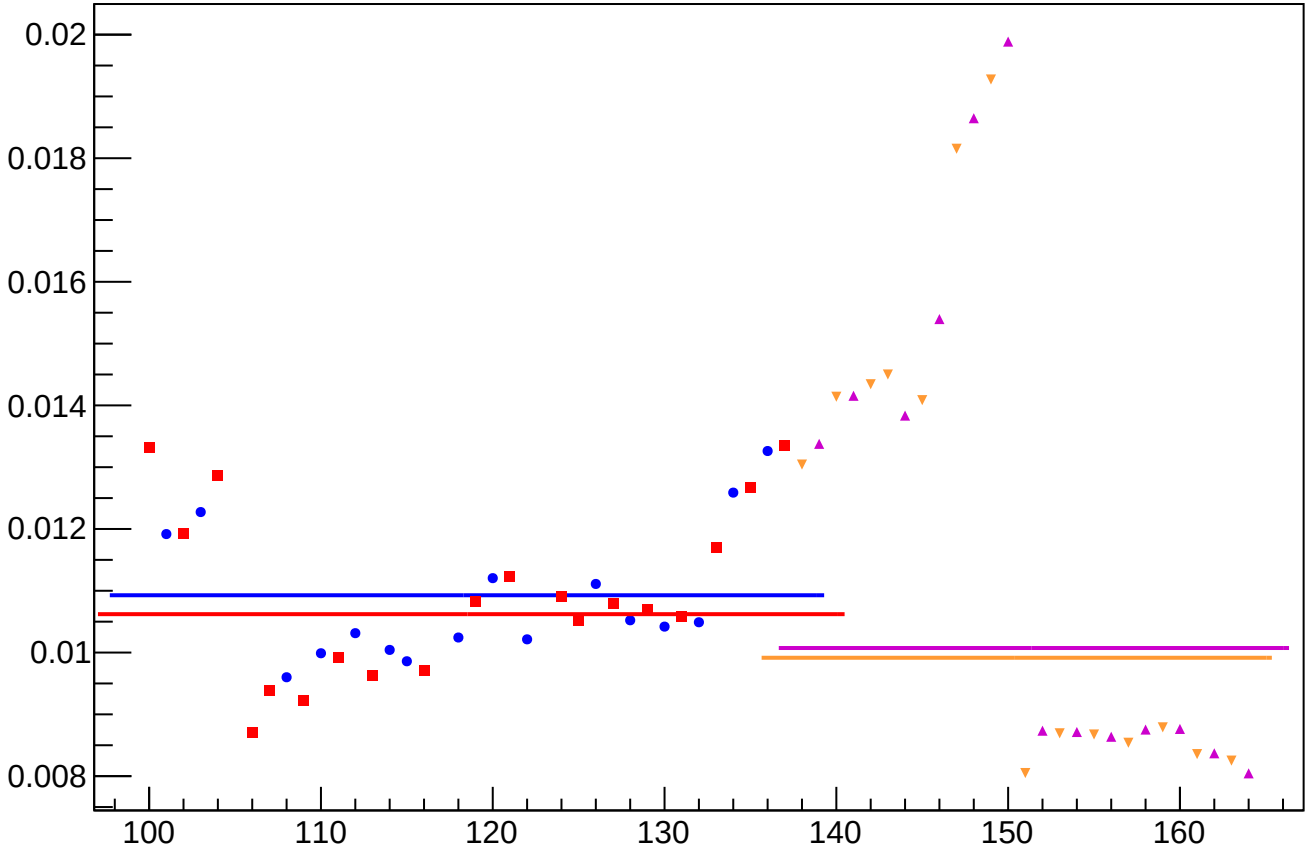
Left In: -2.358+/-0.000 χ^2/NDF:1281876717.9/12

+ sign -1.524+/-0.000 χ^2/NDF: 198695549157.2/29

All: -1.494+/-0.000 χ^2/NDF: 404807221154.0

- 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:1703368.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

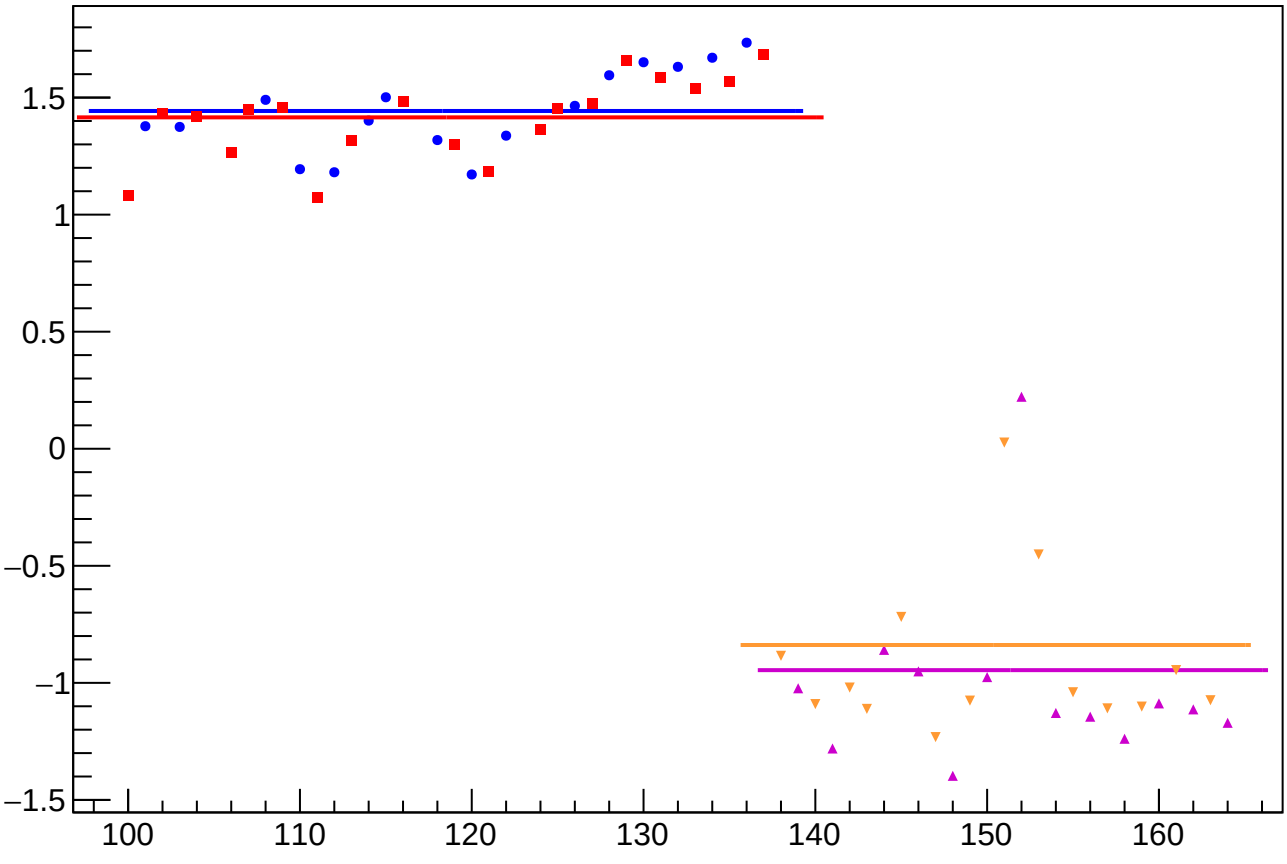
Left In: 0.010+/-0.000 χ^2/NDF:1729458.3/12

\+ sign 0.010+/-0.000 χ^2/NDF: 1917463.7/29

All: 0.010+/-0.000 χ^2/NDF: 3861054.9/61

\- sign 0.010+/-0.000 χ^2/NDF: 1943582.1/31

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.838+/-0.000 χ^2/NDF:27894461563.3/13

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

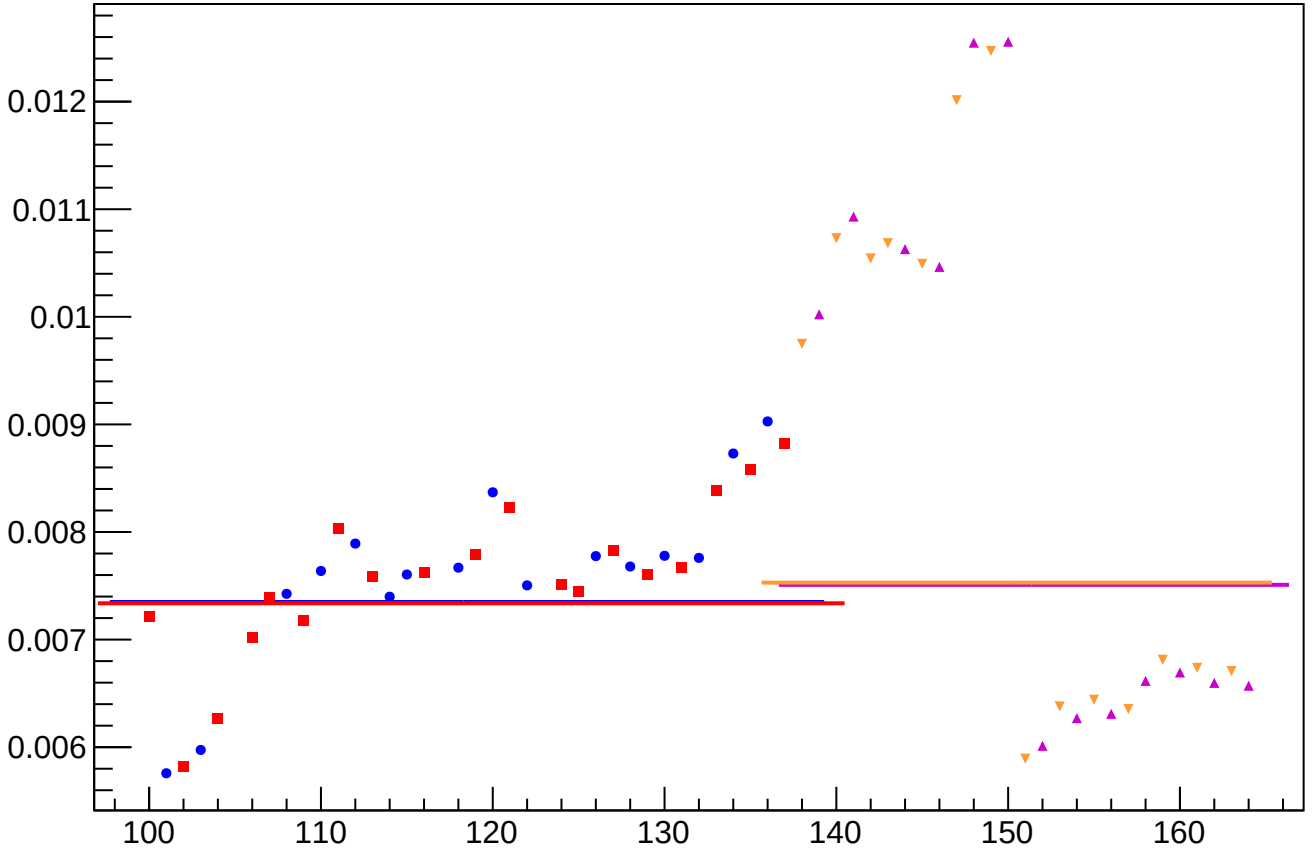
Left In: -0.946+/-0.000 χ^2/NDF:39437336831.6/12

+ sign 0.111+/-0.000 χ^2/NDF: 428908706449.5/29

All: 0.092+/-0.000 χ^2/NDF: 905257212355.6

- 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: 0.008+/-0.000 χ^2/NDF:1412830.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

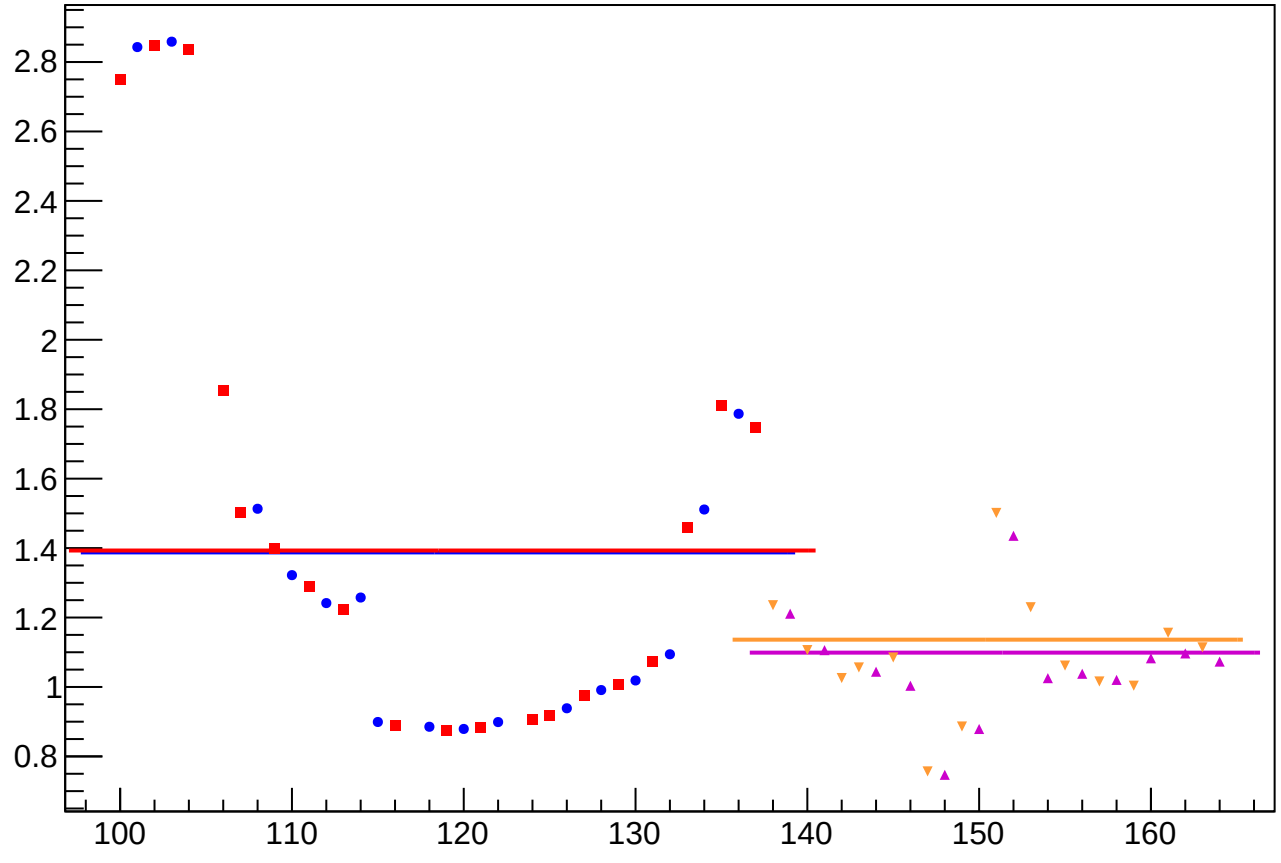
Left In: 0.008+/-0.000 χ^2/NDF:1479554.4/12

+ sign 0.007+/-0.000 χ^2/NDF: 1688656.5/29

All: 0.007+/-0.000 χ^2/NDF: 3368285.0/61

- 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: 1.136+/-0.000 χ^2/NDF:5318695407.9/13

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

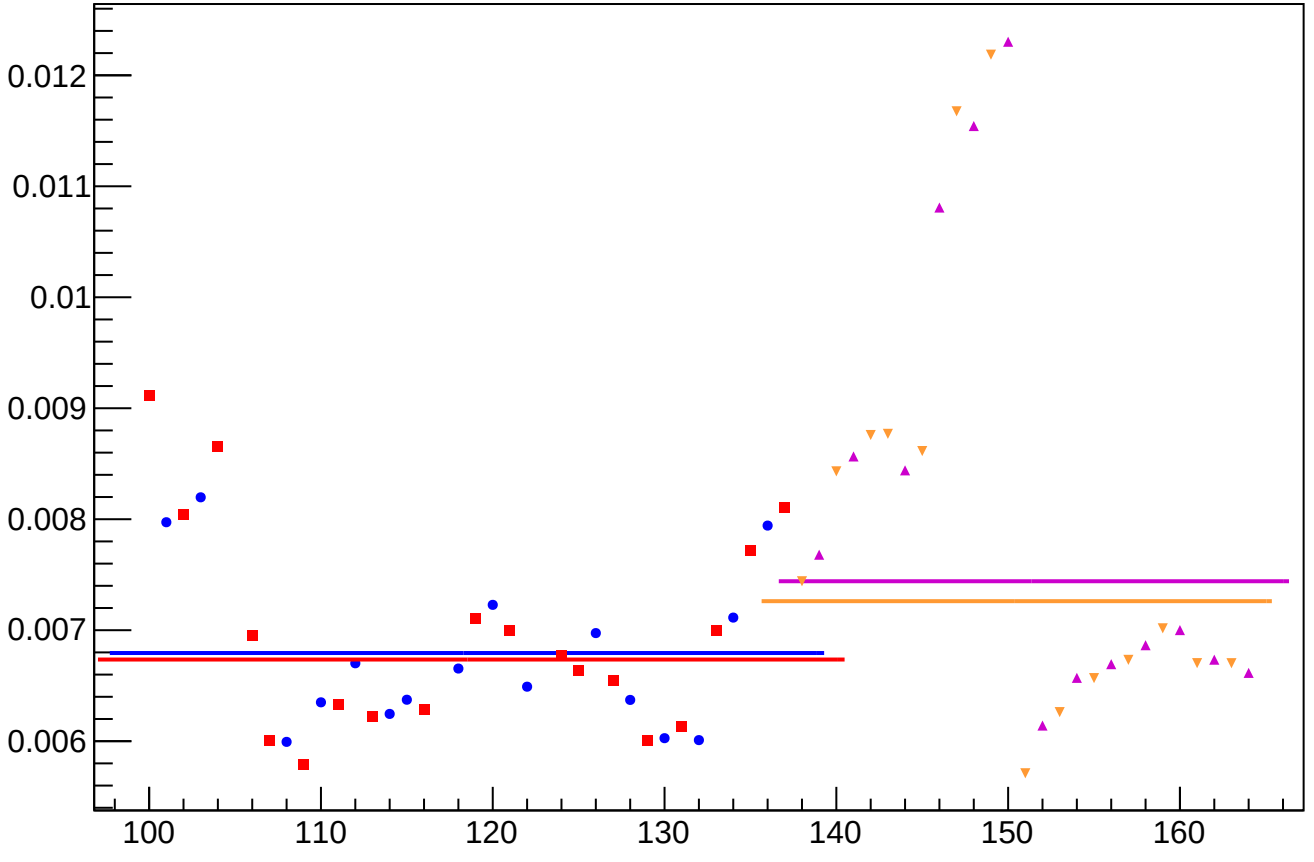
Left In: 1.099+/-0.000 χ^2/NDF:4154223198.6/12

+ sign 1.247+/-0.000 χ^2/NDF: 69386007075.6/29

All: 1.242+/-0.000 χ^2/NDF: 136390384280.9

- 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:810571.6/13

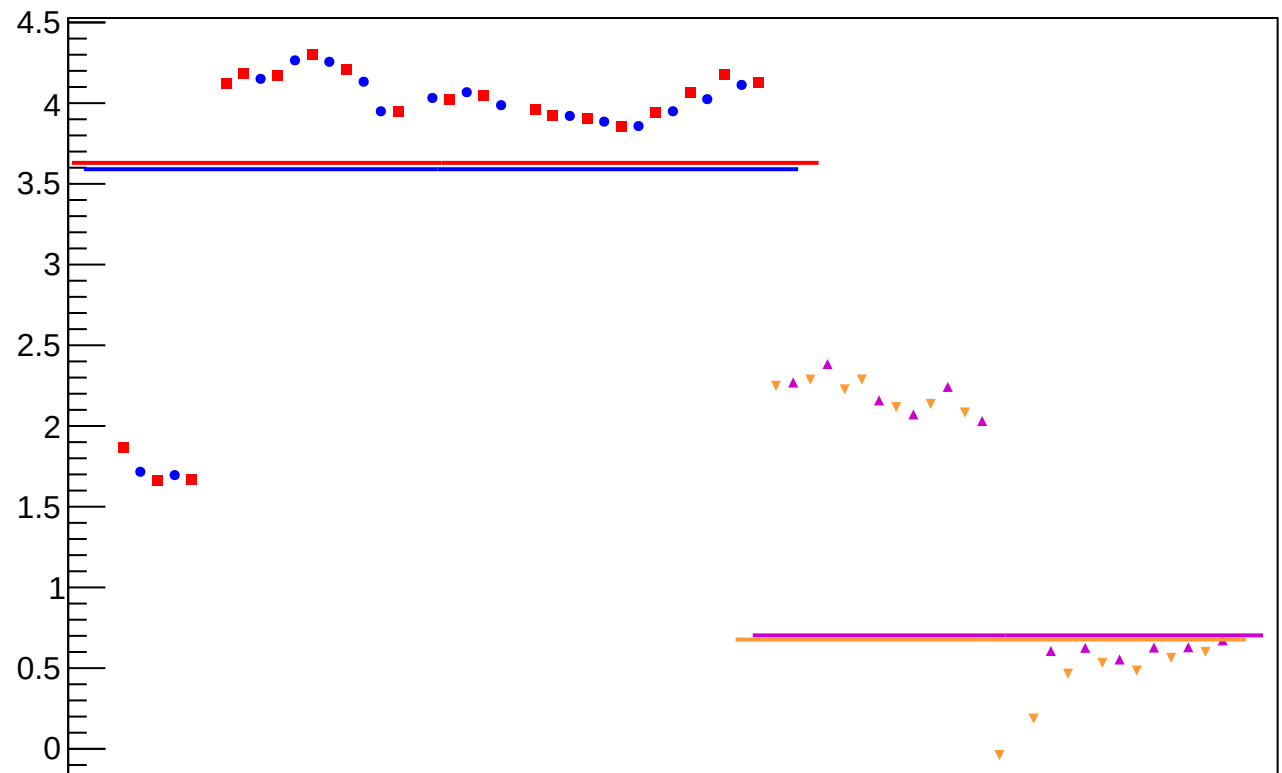
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:850646.8/12

+ sign 0.007+/-0.000 χ^2/NDF: 1012719.8/29

All: 0.007+/-0.000 χ^2/NDF: 2148804.7/61

- 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: 0.677+/-0.000 χ^2/NDF:243945268490.3/13

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

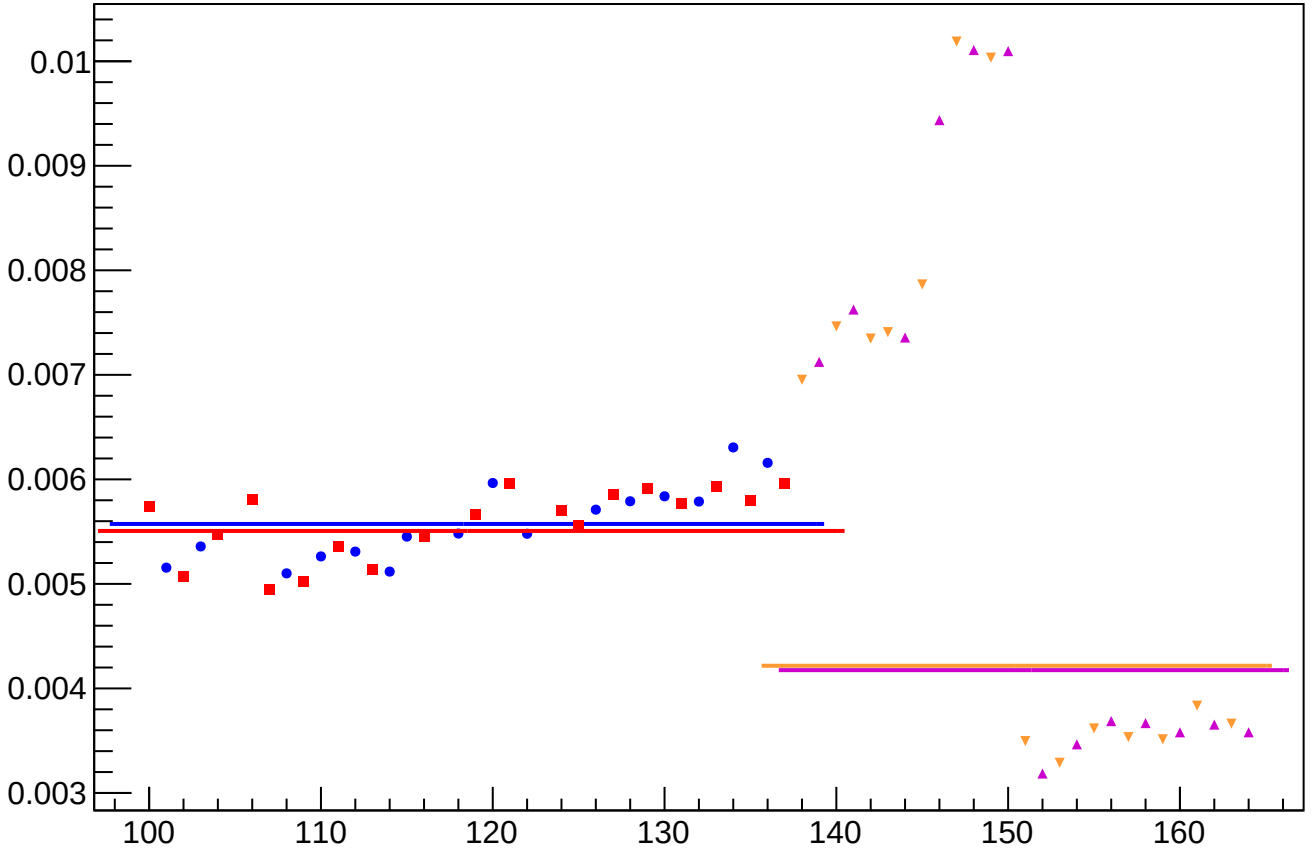
Left In: 0.703+/-0.000 χ^2/NDF:241830909833.7/12

+ sign 1.574+/-0.000 χ^2/NDF: 1802006474294.9/29

All: 1.602+/-0.000 χ^2/NDF: 3666843213728.

- 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:2742884.4/13

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

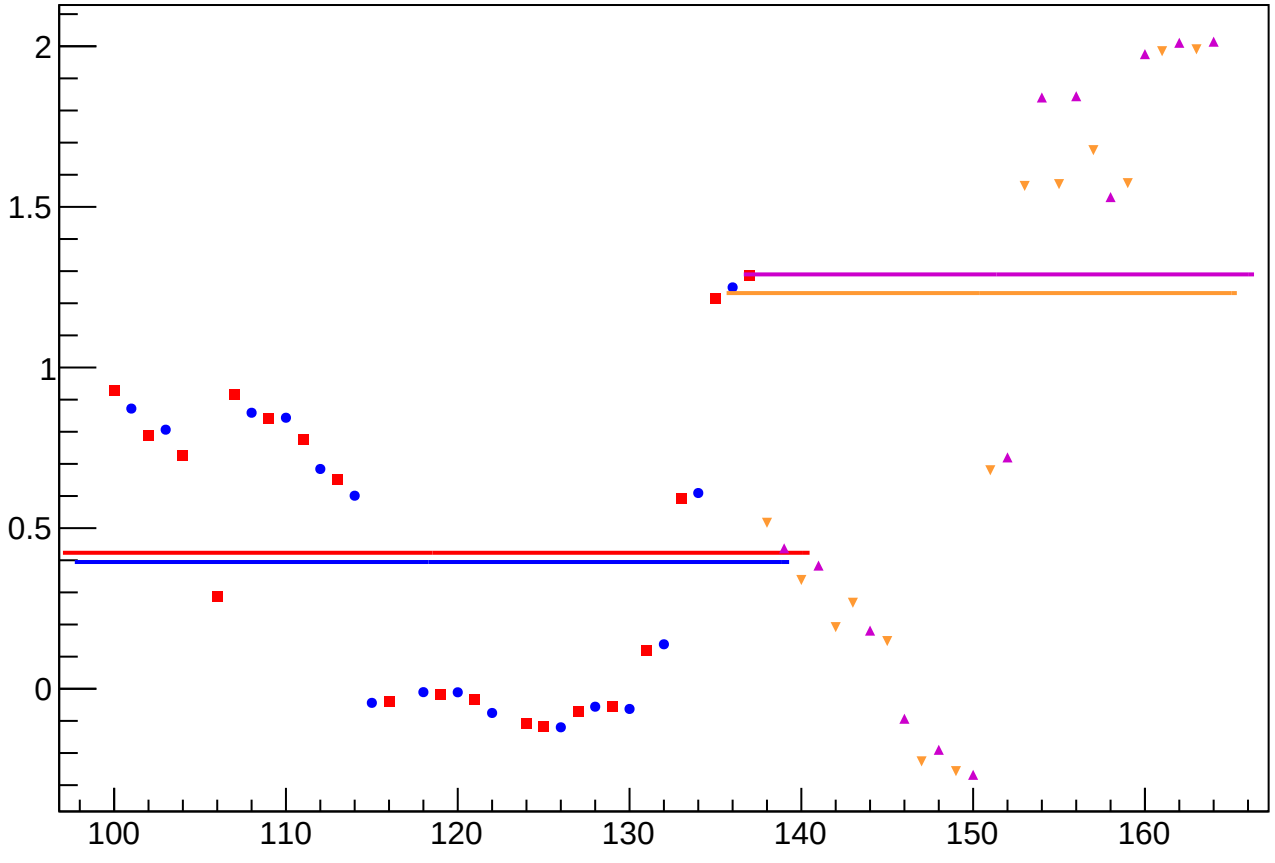
Left In: 0.004+/-0.000 χ^2/NDF:2946113.7/12

+ sign 0.005+/-0.000 χ^2/NDF: 3389954.6/29

All: 0.005+/-0.000 χ^2/NDF: 6977896.2/61

- 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: 1.232+/-0.000 χ^2/NDF:41897971117.3/13

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

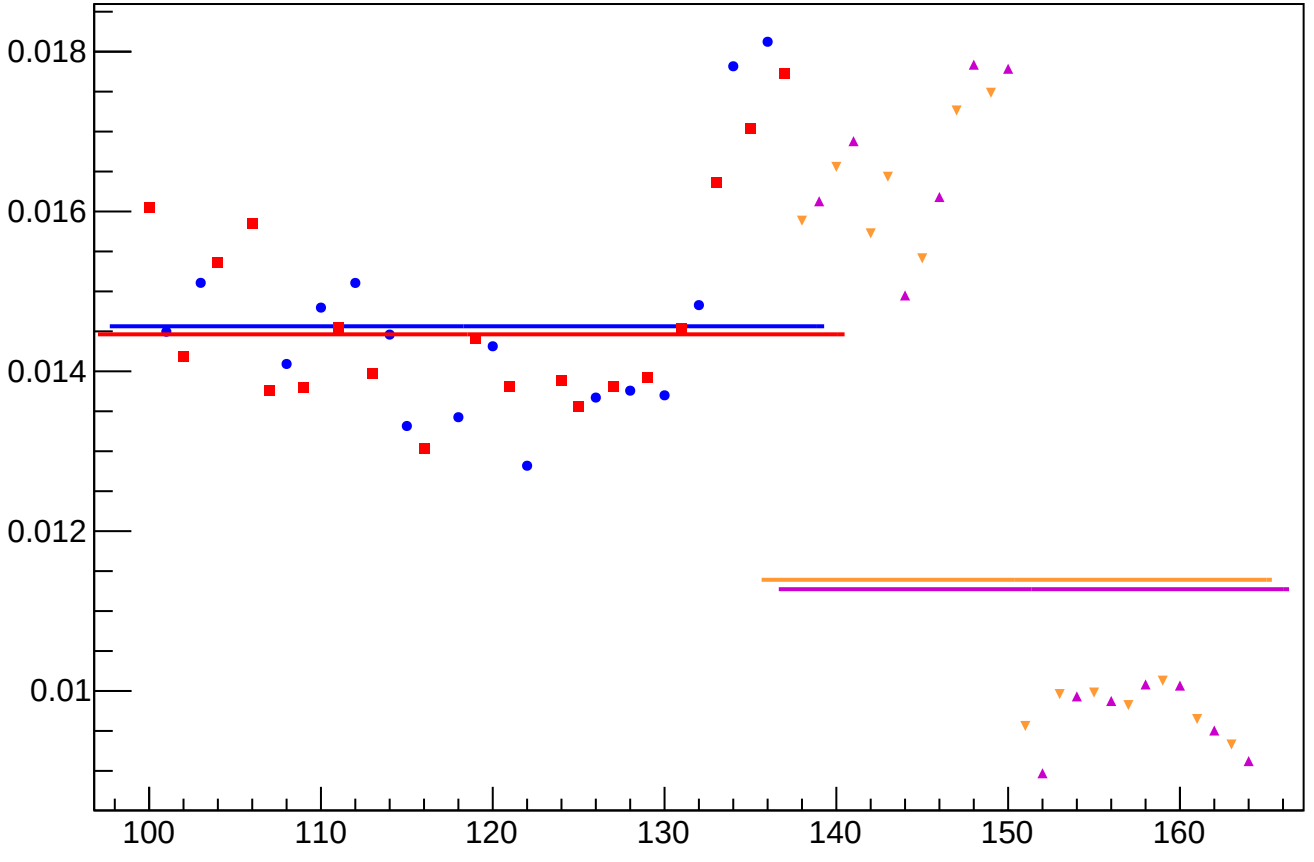
Left In: 1.290+/-0.000 χ^2/NDF:49972445397.2/12

+ sign 0.984+/-0.000 χ^2/NDF: 65823639721.8/29

All: 1.005+/-0.000 χ^2/NDF: 140987687311.6

- 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:1324878.6/13

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

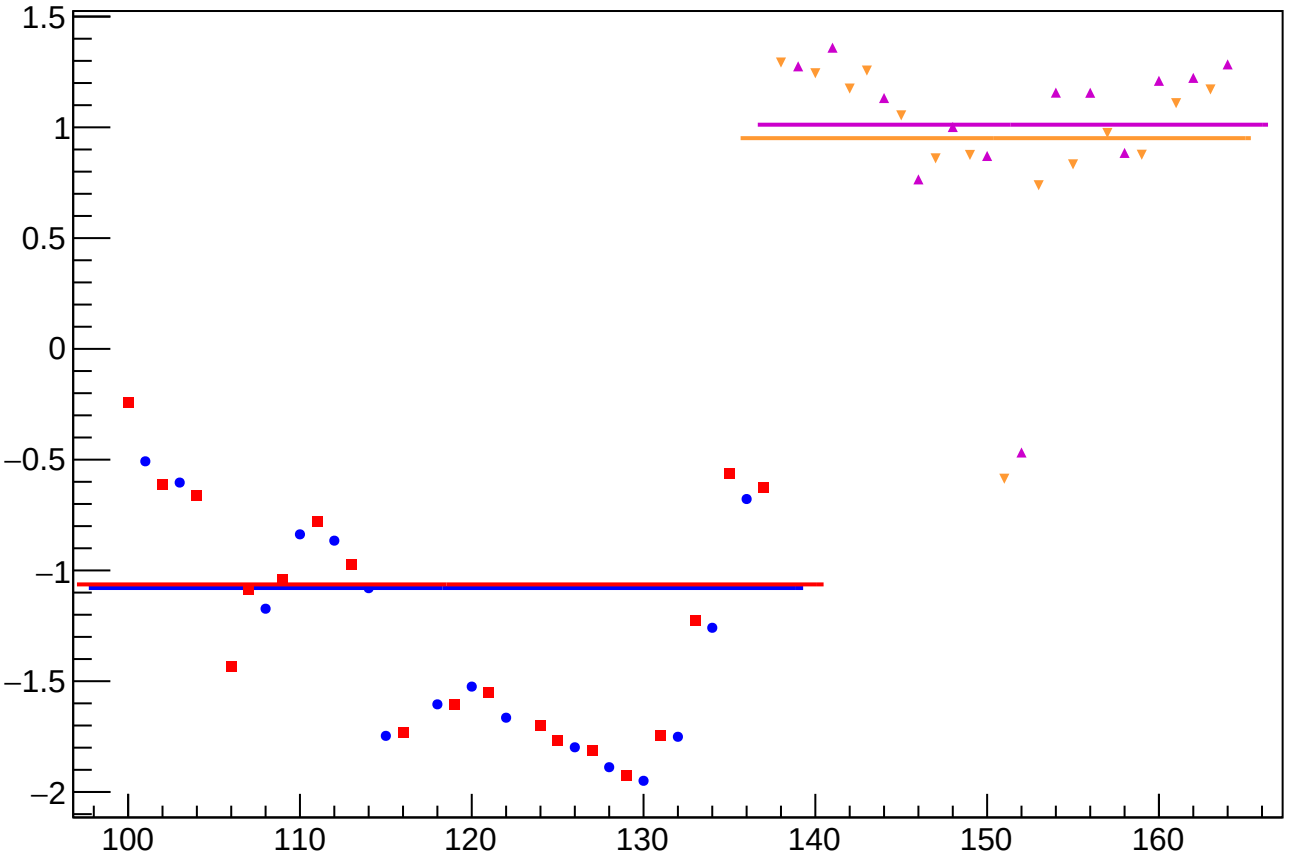
Left In: 0.011+/-0.000 χ^2/NDF:1421072.6/12

+ sign 0.012+/-0.000 χ^2/NDF: 1932194.0/29

All: 0.012+/-0.000 χ^2/NDF: 3924233.0/61

- sign 0.012+/-0.000 χ^2/NDF: 1991217.8/31

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.951+/-0.000 χ^2/NDF:104326276717.9/13

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

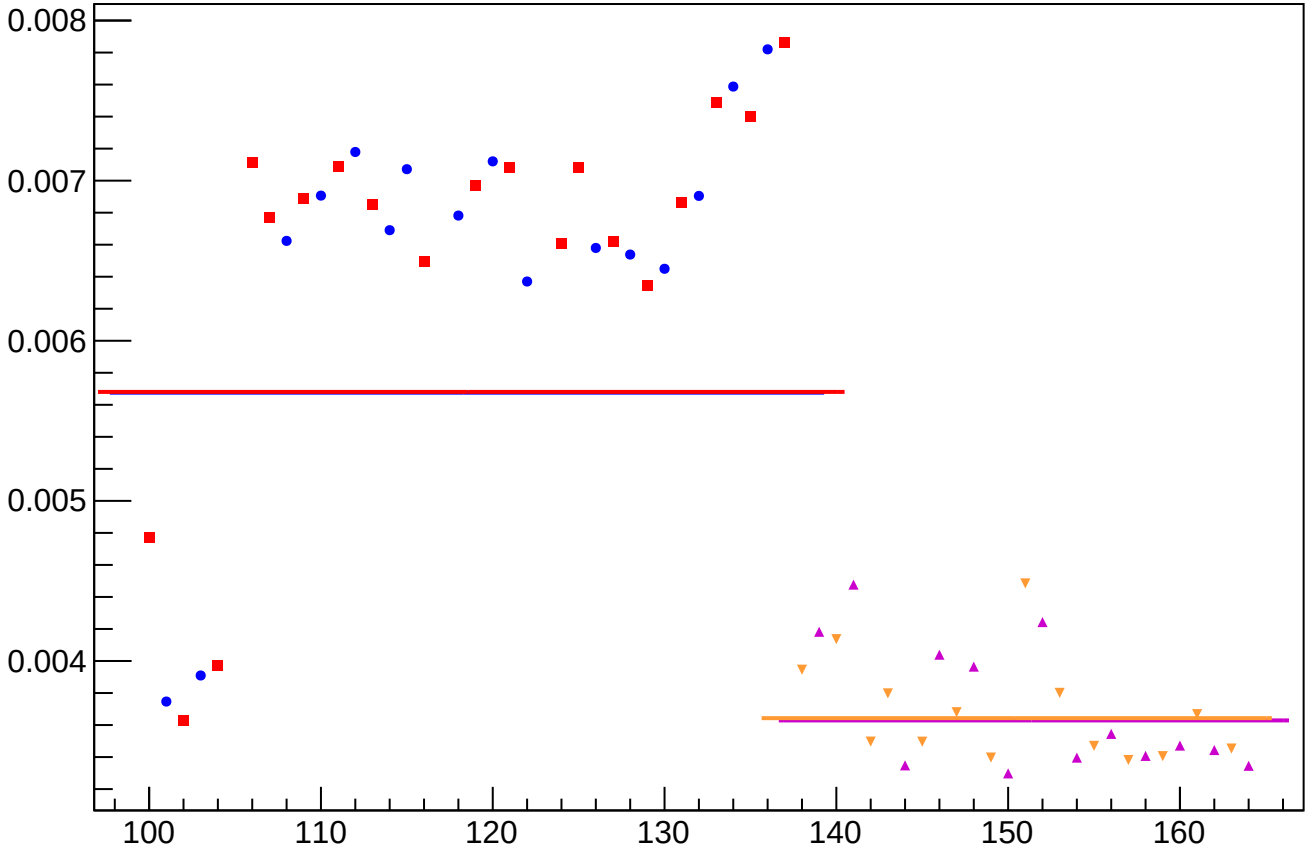
Left In: 1.012+/-0.000 χ^2/NDF:123553112555.8/12

+ sign 0.530+/-0.000 χ^2/NDF: 809903355372.0/29

All: 0.550+/-0.000 χ^2/NDF: 1661805457953.

- 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:120715.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

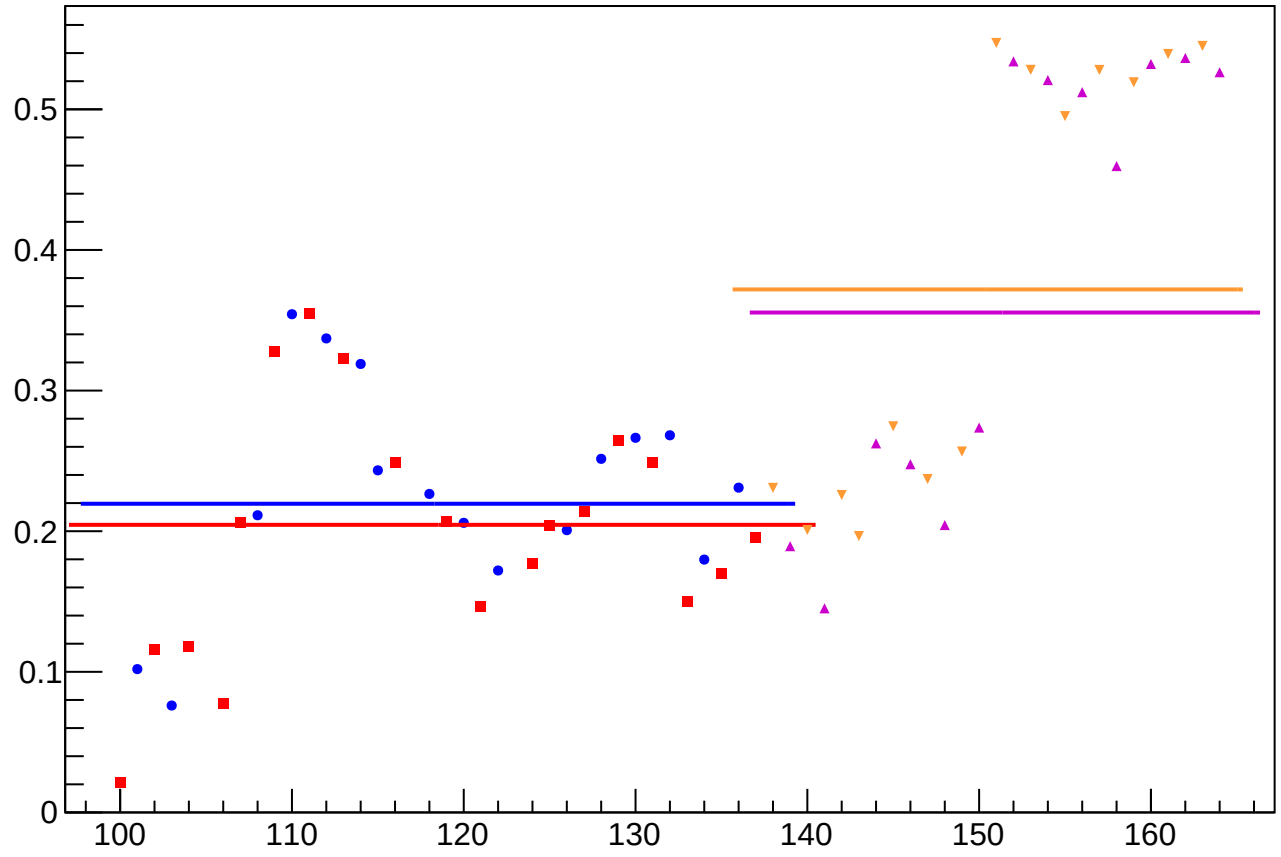
Left In: 0.004+/-0.000 χ^2/NDF:202917.5/12

+ sign 0.004+/-0.000 χ^2/NDF: 2360390.6/29

All: 0.004+/-0.000 χ^2/NDF: 4868937.1/61

- 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: 0.372+/-0.000 χ^2/NDF:114228466055.3/13

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

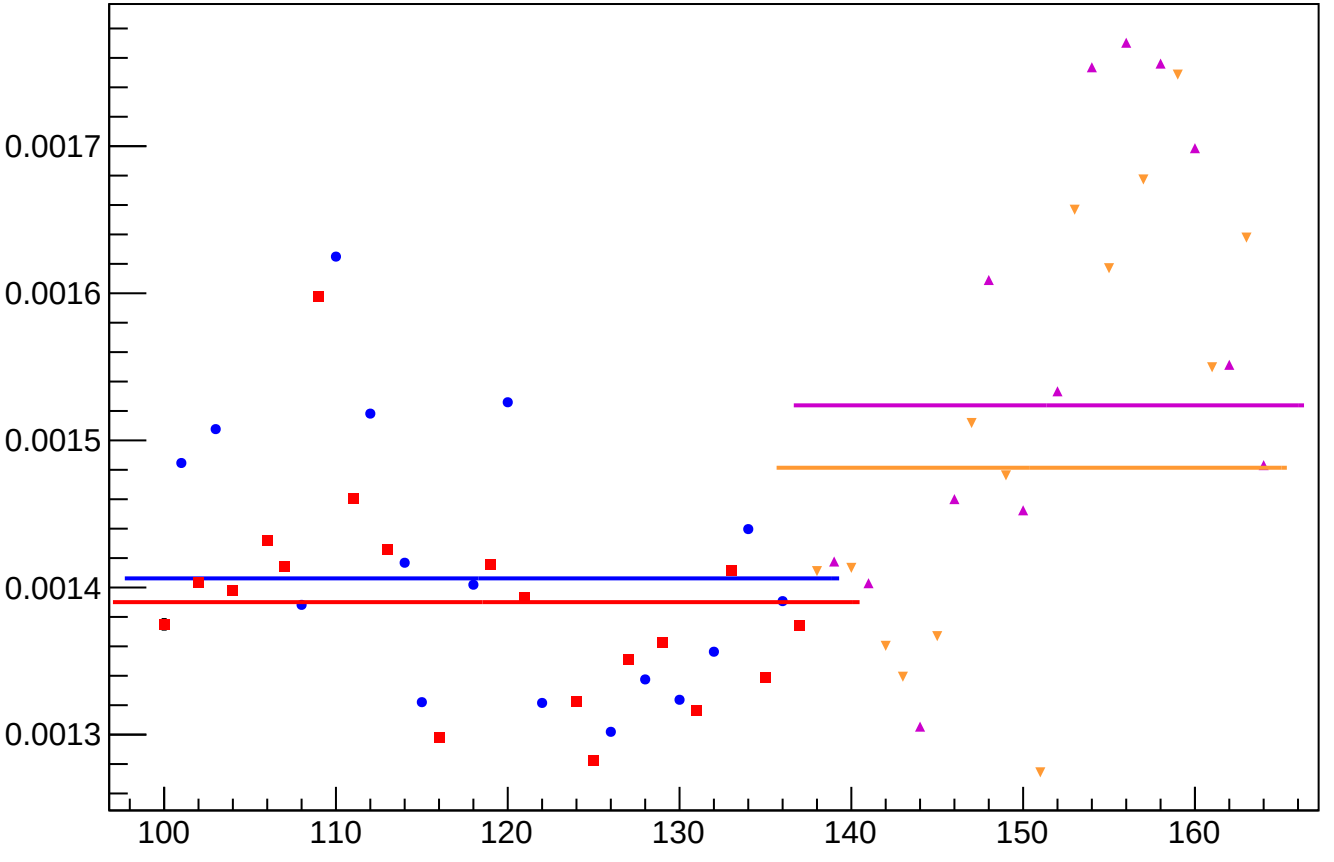
Left In: 0.356+/-0.000 χ^2/NDF:106531752058.8/12

+ sign 0.309+/-0.000 χ^2/NDF: 178845650185.1/29

All: 0.298+/-0.000 χ^2/NDF: 357034089046.5

- 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:199403.0/13

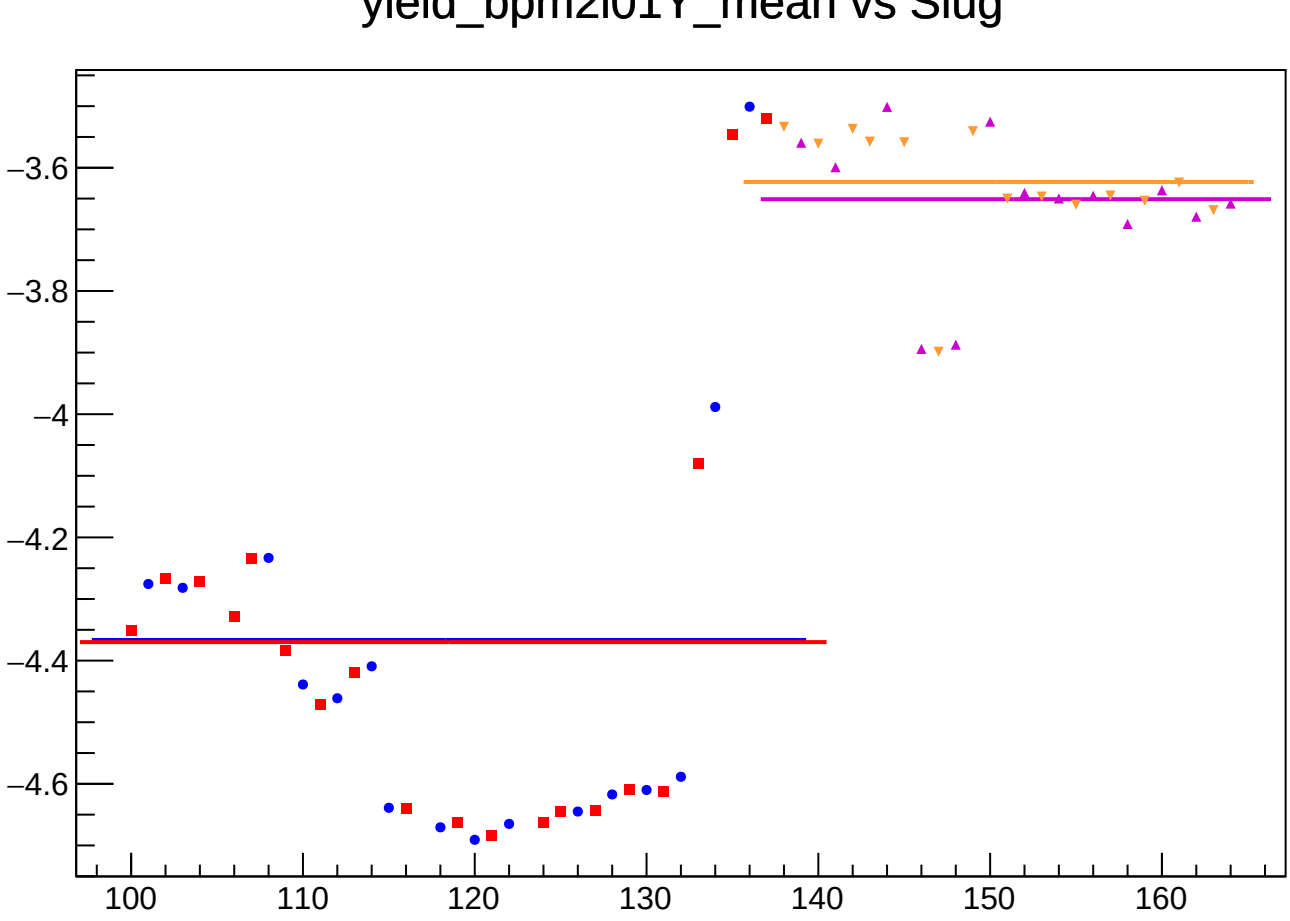
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:194466.4/12

+ sign 0.001+/-0.000 χ^2/NDF: 270926.1/29

All: 0.001+/-0.000 χ^2/NDF: 575874.8/61

- 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: -3.623+/-0.000 χ^2/NDF:20875122324.3/13

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

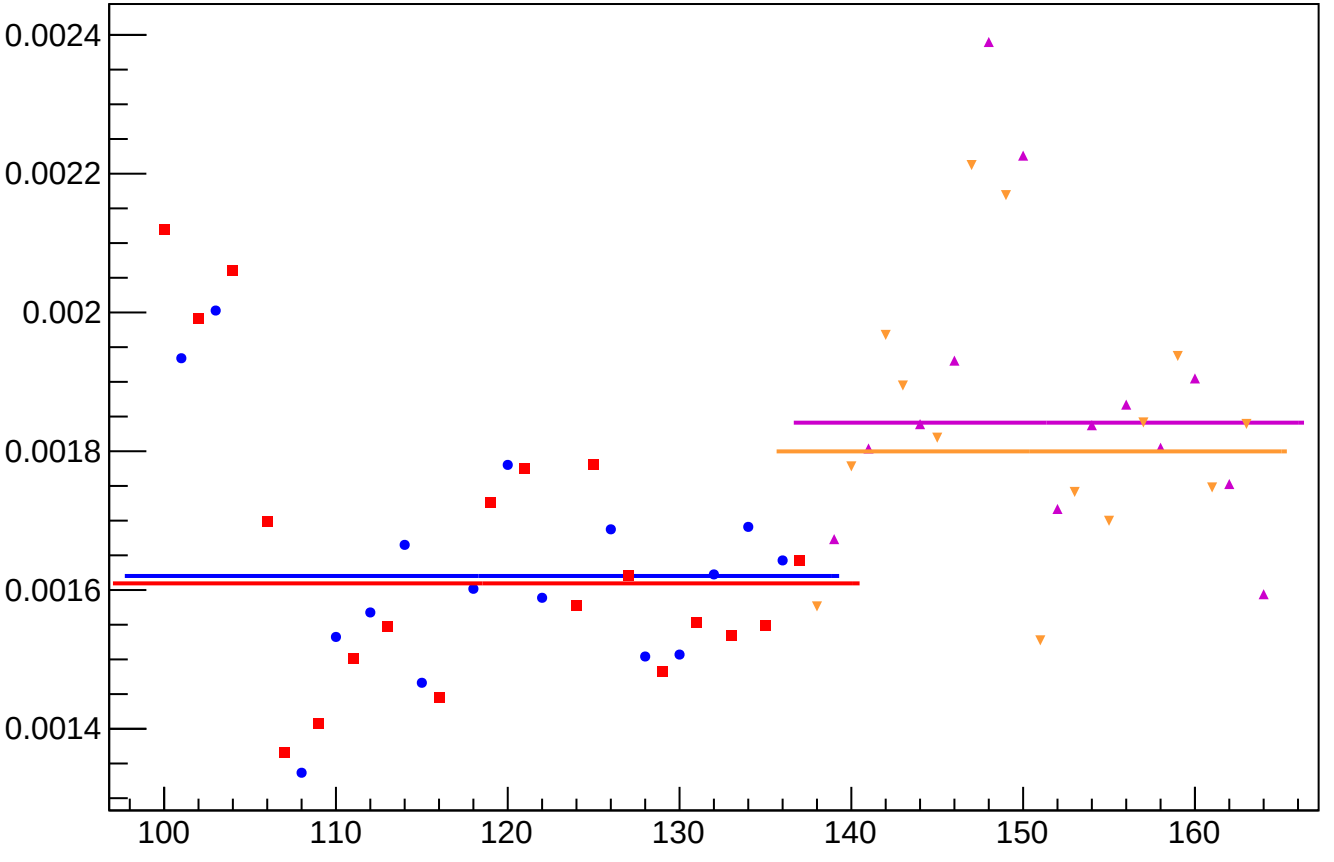
Left In: -3.651+/-0.000 χ^2/NDF:33183406372.4/12

+ sign -3.952+/-0.000 χ^2/NDF: 1179813683289.3/2

All: -3.971+/-0.000 χ^2/NDF: 2264481296521

- 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:211767.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

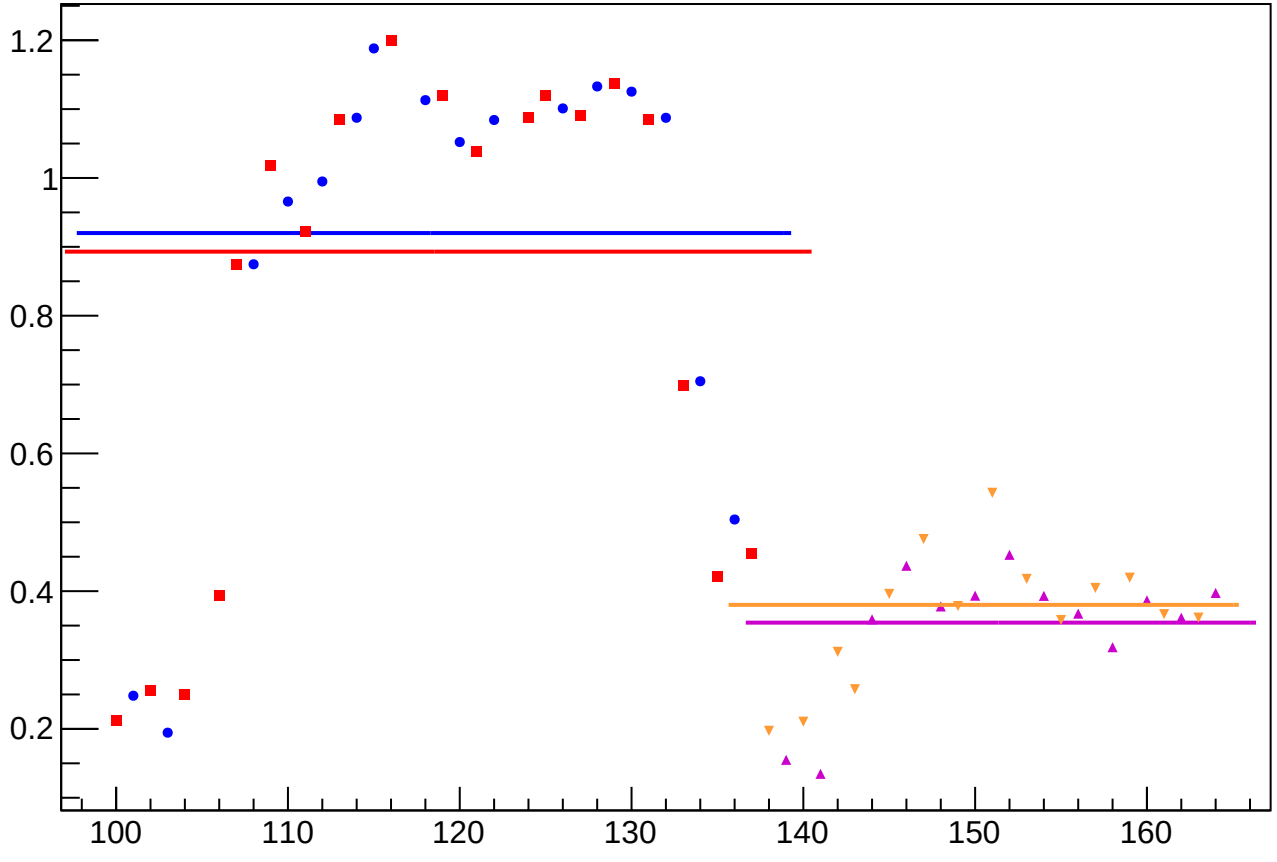
Left In: 0.002+/-0.000 χ^2/NDF:200840.7/12

+ sign 0.002+/-0.000 χ^2/NDF: 445989.4/29

All: 0.002+/-0.000 χ^2/NDF: 988541.3/61

- 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:1675776703.1/13

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

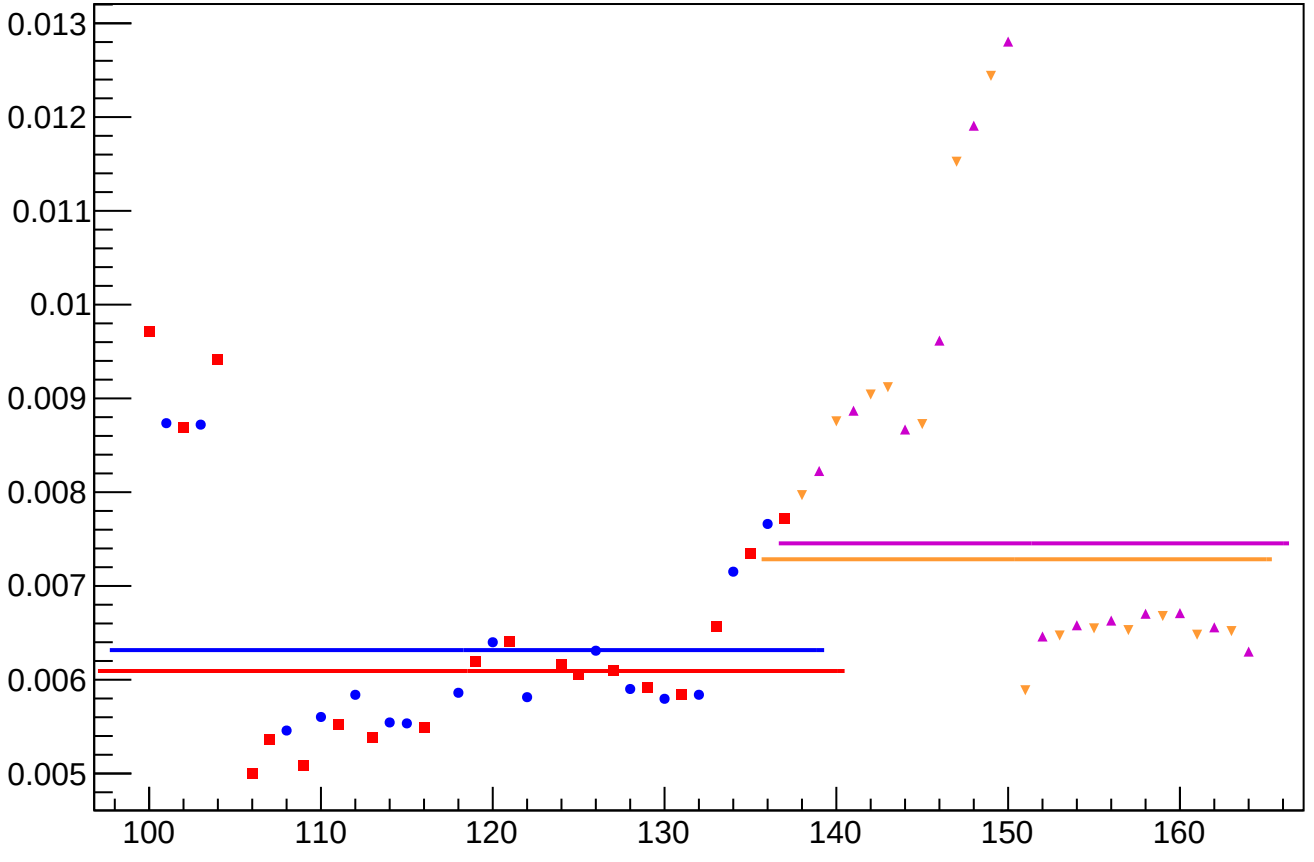
Left In: 0.354+/-0.000 χ^2/NDF:1417680459.3/12

+ sign 0.632+/-0.000 χ^2/NDF: 43543068987.5/29

All: 0.631+/-0.000 χ^2/NDF: 90371513565.5/6

- 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:933503.5/13

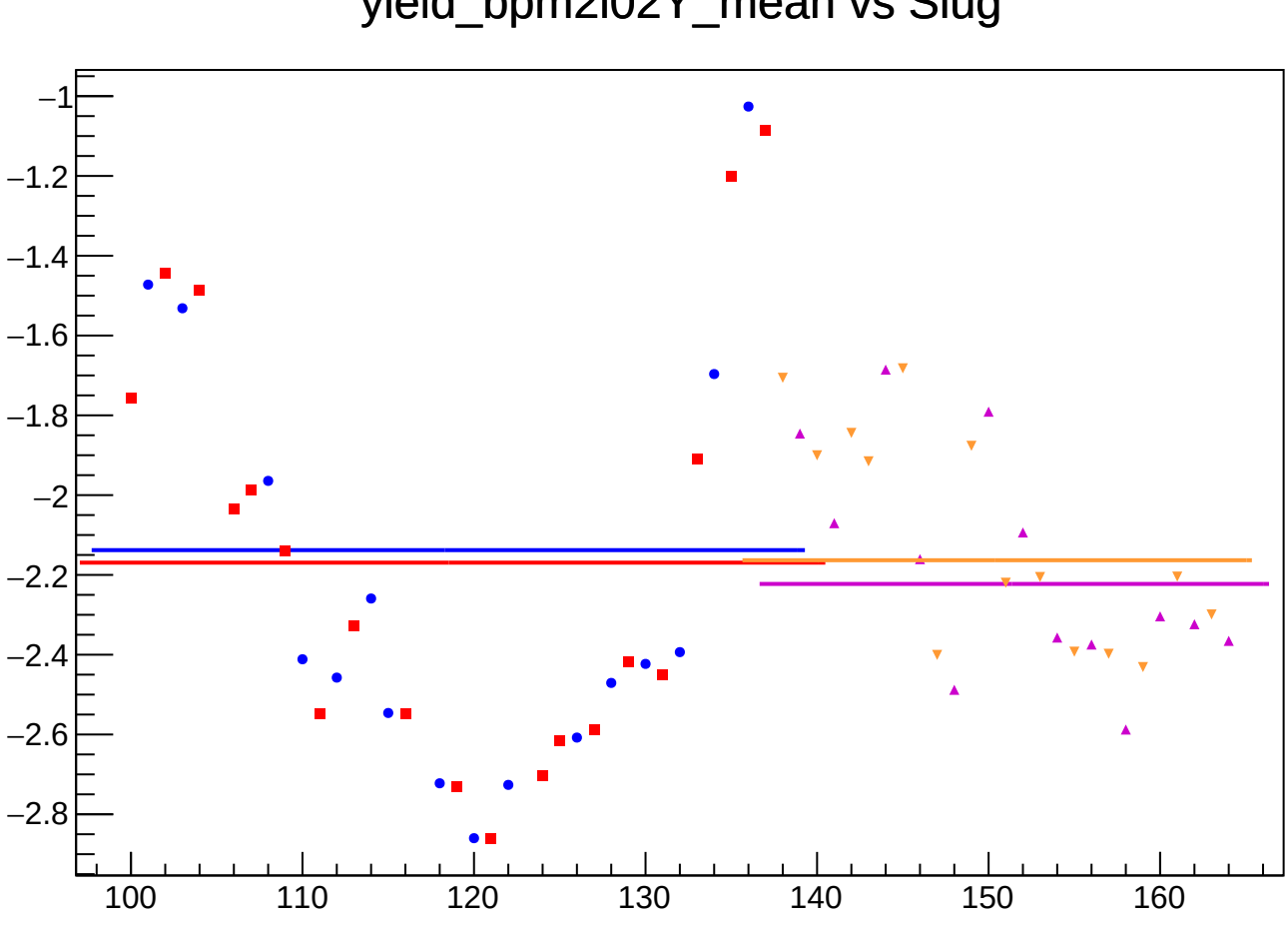
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:937880.8/12

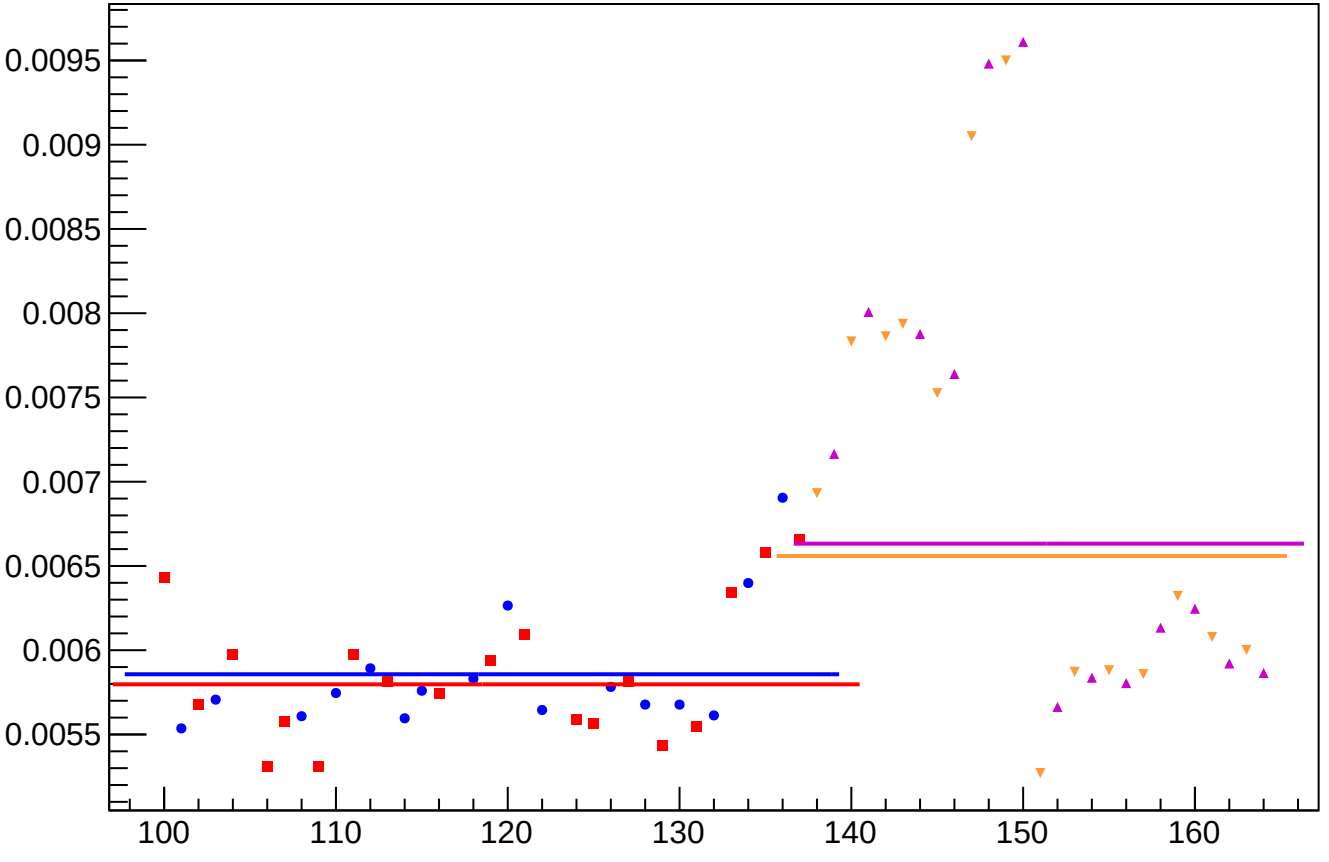
+ sign 0.007+/-0.000 χ^2/NDF: 1444918.3/29

All: 0.007+/-0.000 χ^2/NDF: 3175226.8/61

- 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: -2.163+/-0.000 χ²/NDF:15195166535.3/13
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.223+/-0.000 χ²/NDF:14673301282.9/12
+ sign -2.152+/-0.000 χ²/NDF: 80935123741.6/29
All: -2.174+/-0.000 χ²/NDF: 153821574399.4
- sign -2.197+/-0.000 χ²/NDF: 72411229743.5/31

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:628416.9/13

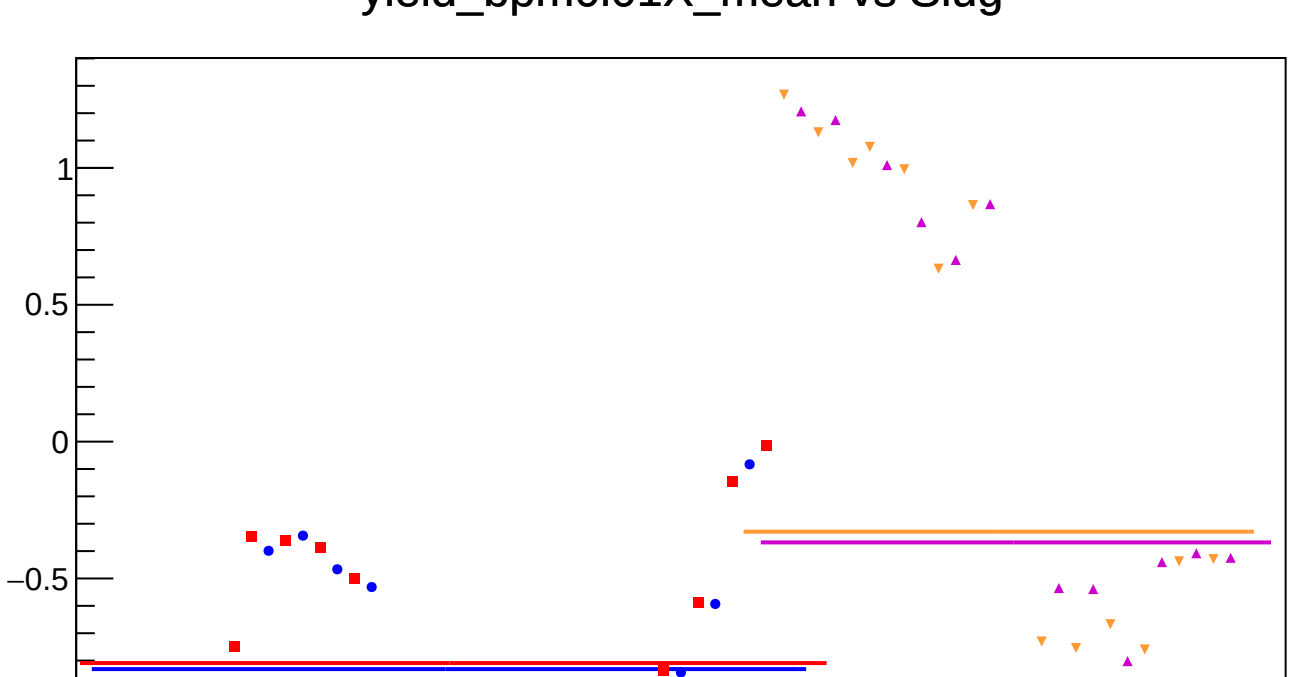
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:637744.3/12

+ sign 0.006+/-0.000 χ^2/NDF: 802988.5/29

All: 0.006+/-0.000 χ^2/NDF: 1658244.0/61

- sign 0.006+/-0.000 χ^2/NDF: 855227.2/31



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.329+/-0.000 χ^2/NDF:76936144376.2/13

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

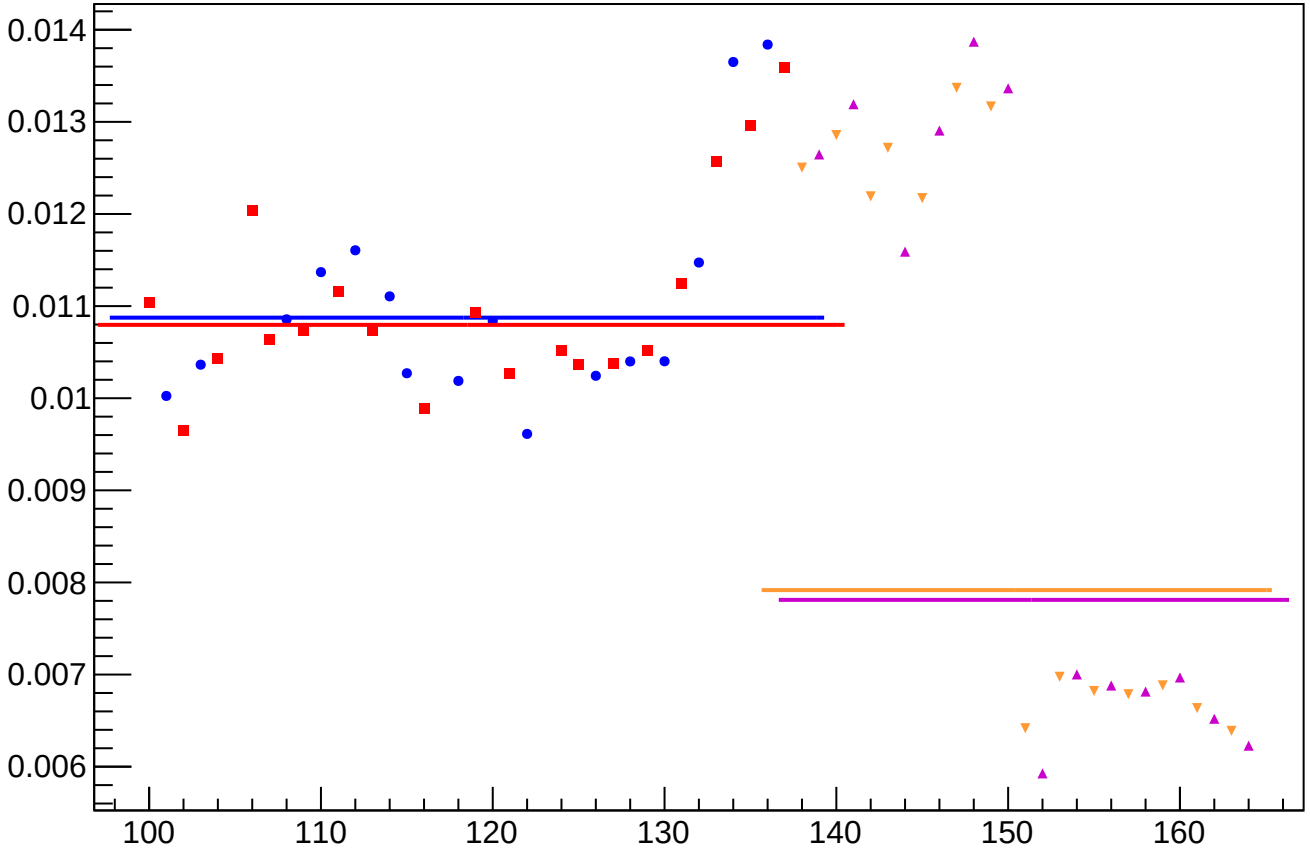
Left In: -0.368+/-0.000 χ^2/NDF:87046037060.6/12

+ sign -0.466+/-0.000 χ^2/NDF: 94965090348.4/29

All: -0.479+/-0.000 χ^2/NDF: 198909148505.9

- 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:1897675.0/13

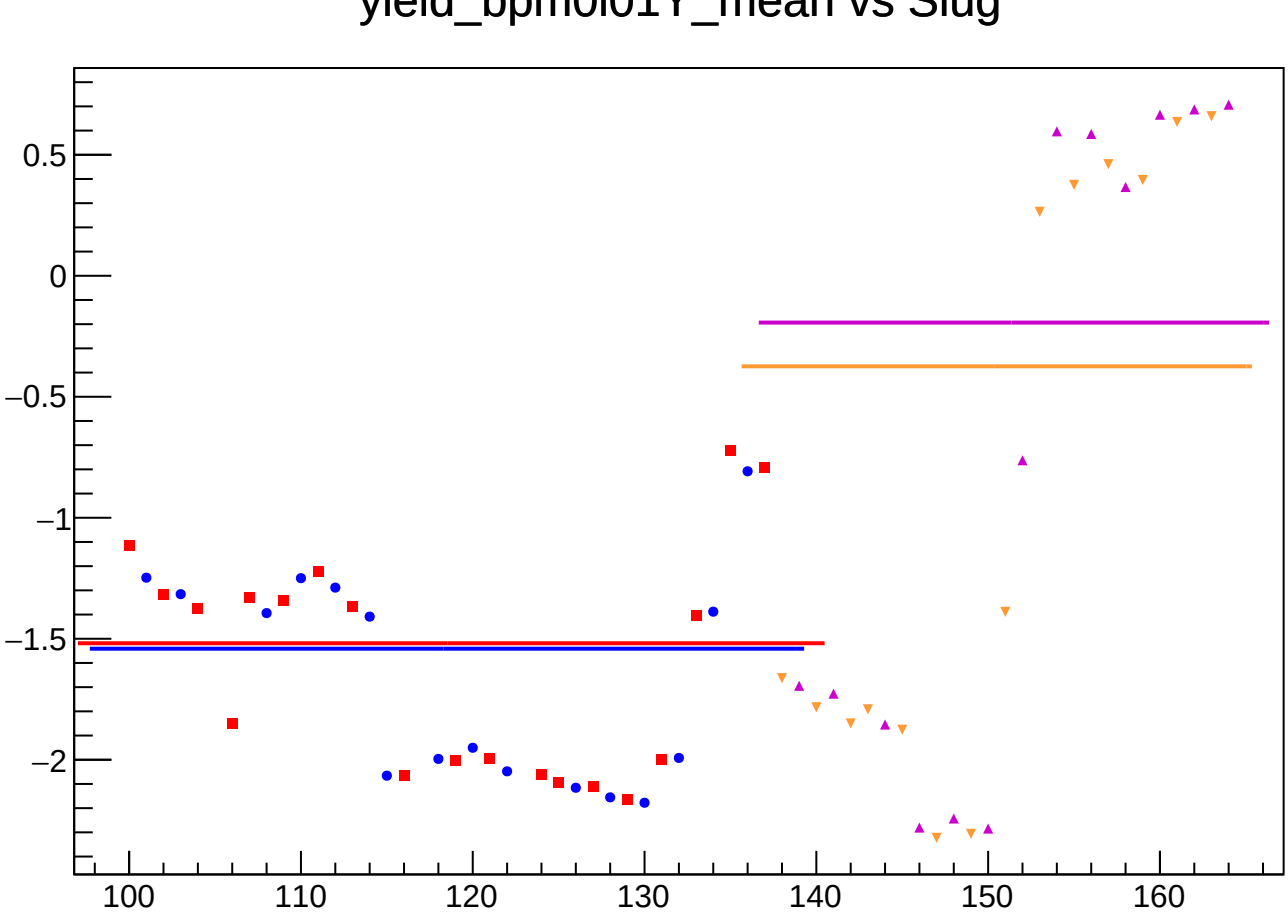
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2025717.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 2812732.8/29

All: 0.009+/-0.000 χ^2/NDF: 5734566.2/61

- 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: -0.374+/-0.000 χ^2/NDF:1712350826648.8/13

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

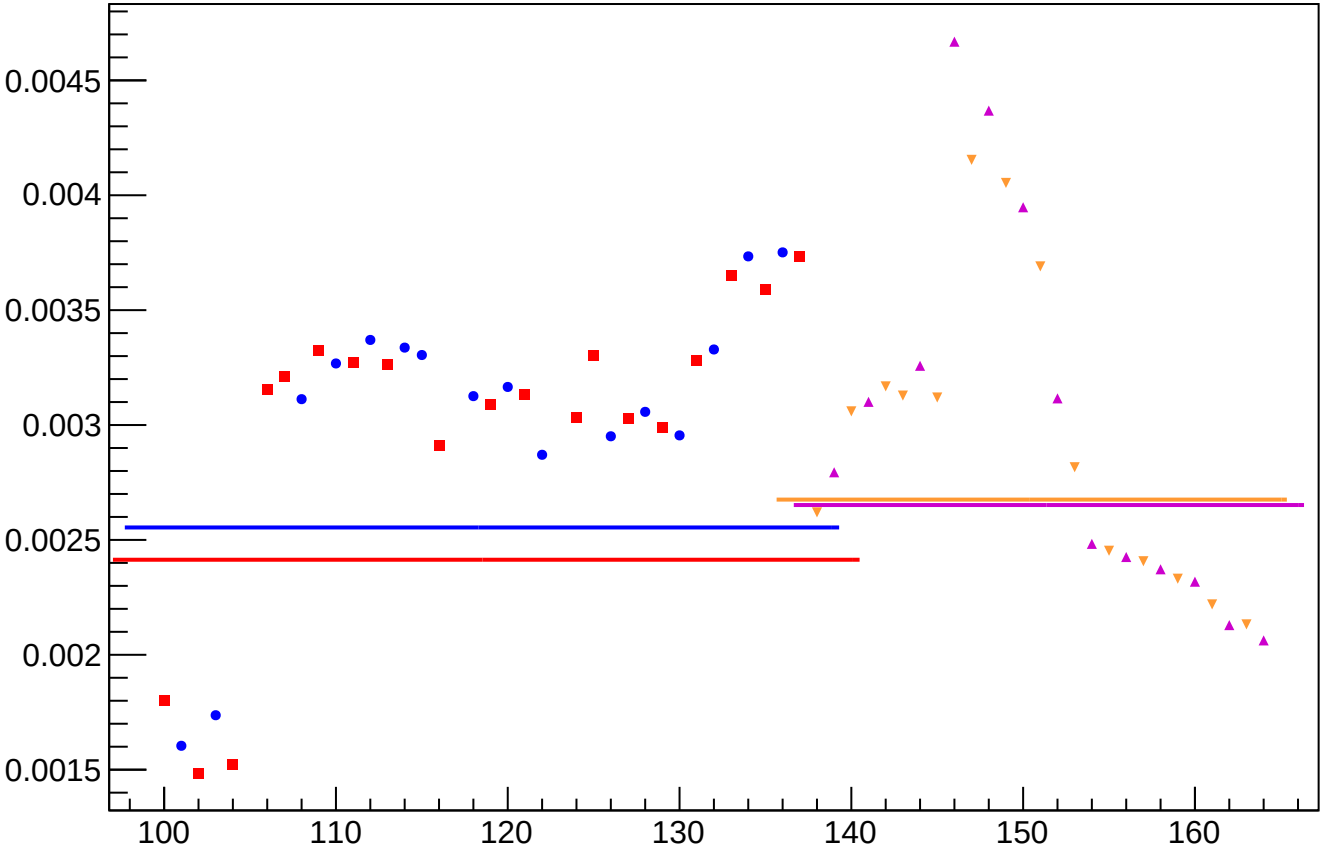
Left In: -0.193+/-0.000 χ^2/NDF:1693524340978.4/12

+ sign -0.852+/-0.000 χ^2/NDF: 2621325503046.6/2

All: -0.811+/-0.000 χ^2/NDF: 5475321411308

- 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:748769.0/13

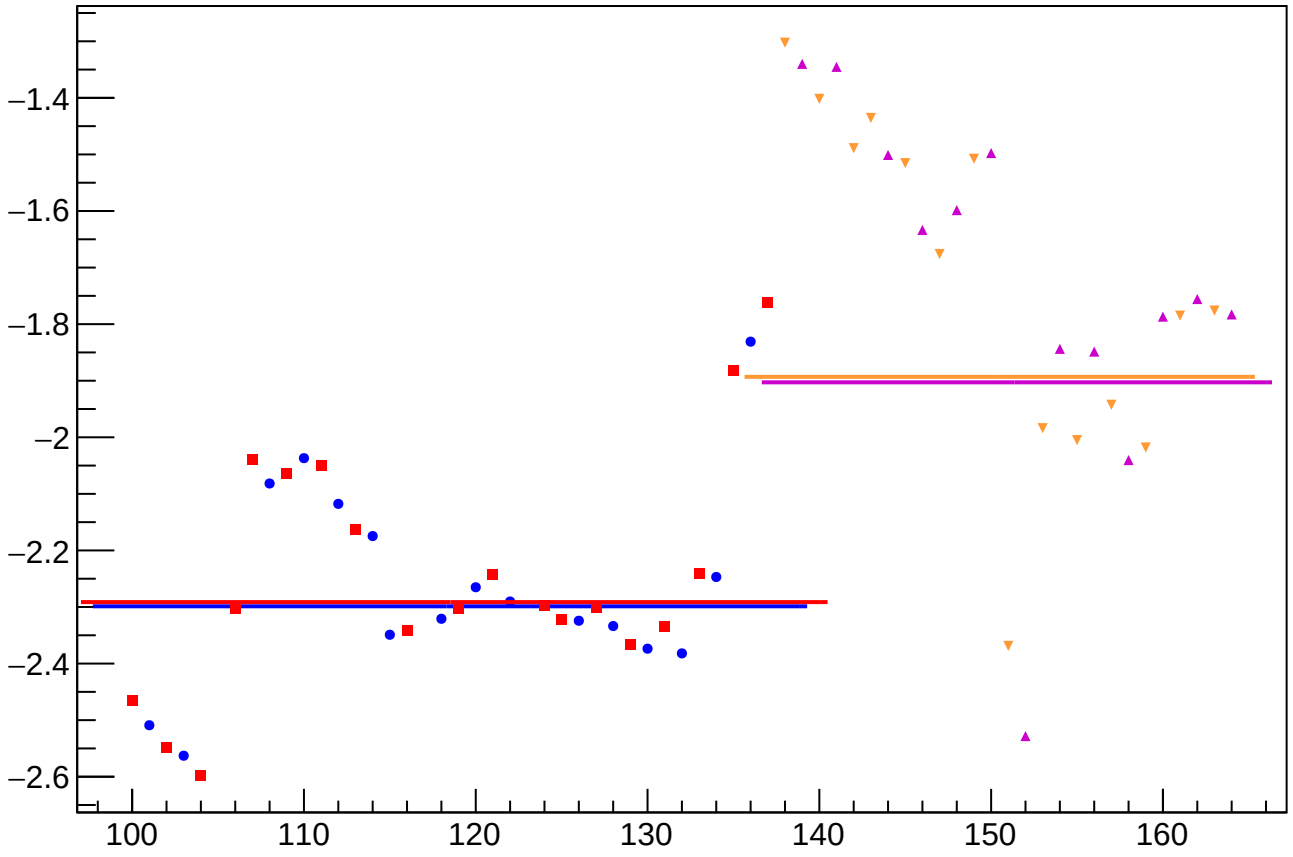
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:963823.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 1937338.8/29

All: 0.003+/-0.000 χ^2/NDF: 4526974.7/61

- 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: -1.893+/-0.000 χ^2/NDF:26758272313.5/13

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

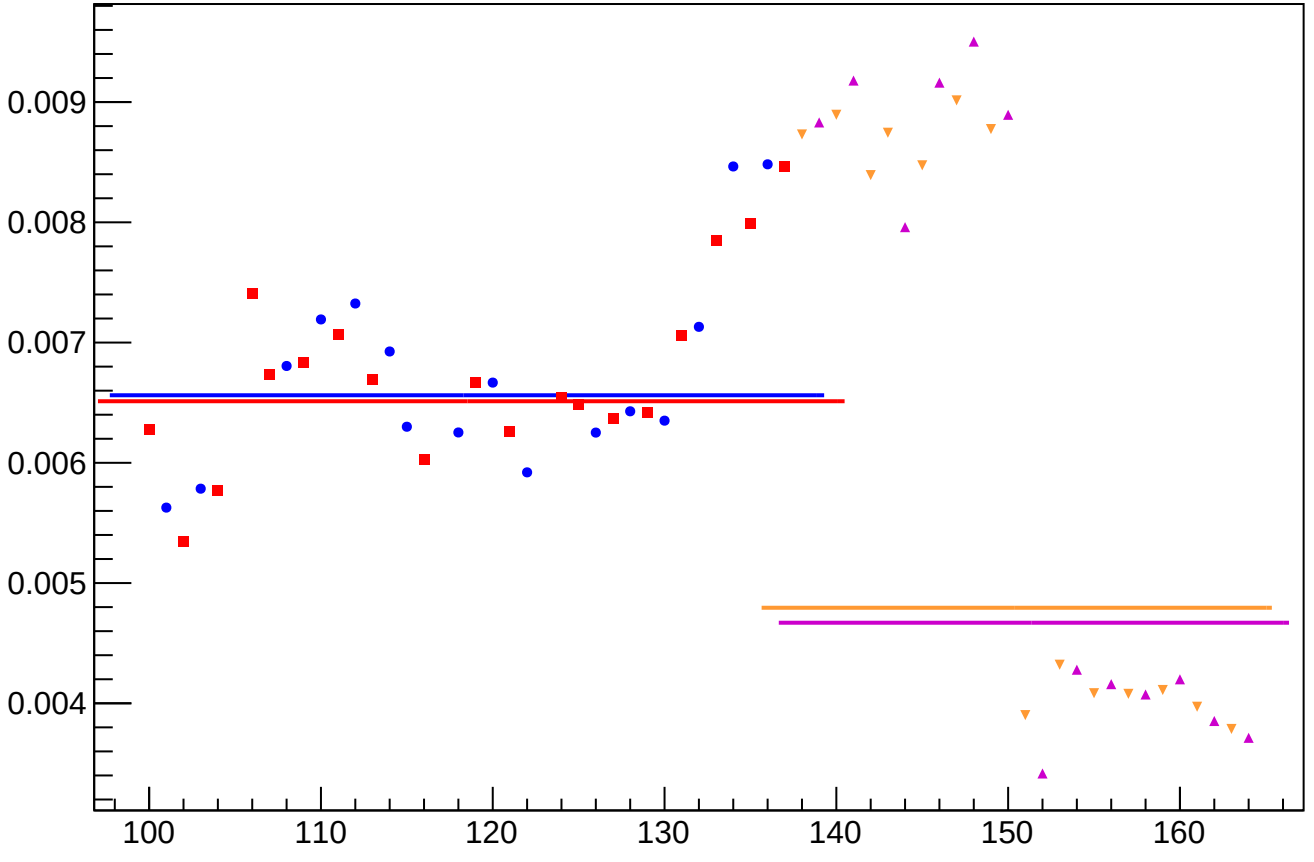
Left In: -1.903+/-0.000 χ^2/NDF:43040246070.5/12

+ sign -2.007+/-0.000 χ^2/NDF: 51918829736.0/29

All: -2.010+/-0.000 χ^2/NDF: 119883072532.6

- 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:2520129.0/13

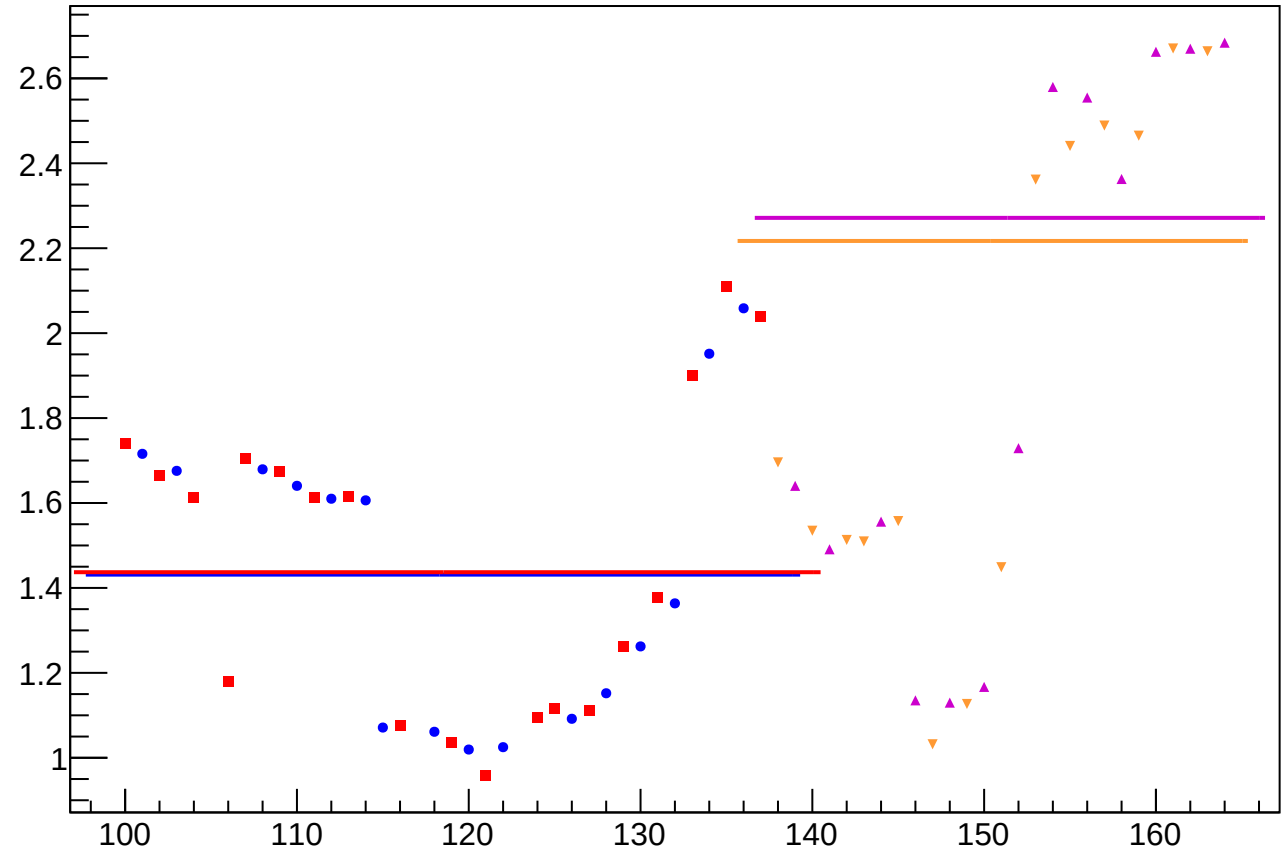
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2728981.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 3464392.4/29

All: 0.005+/-0.000 χ^2/NDF: 7196732.2/61

- 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: 2.217+/-0.000 χ^2/NDF:182305515490.8/13

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

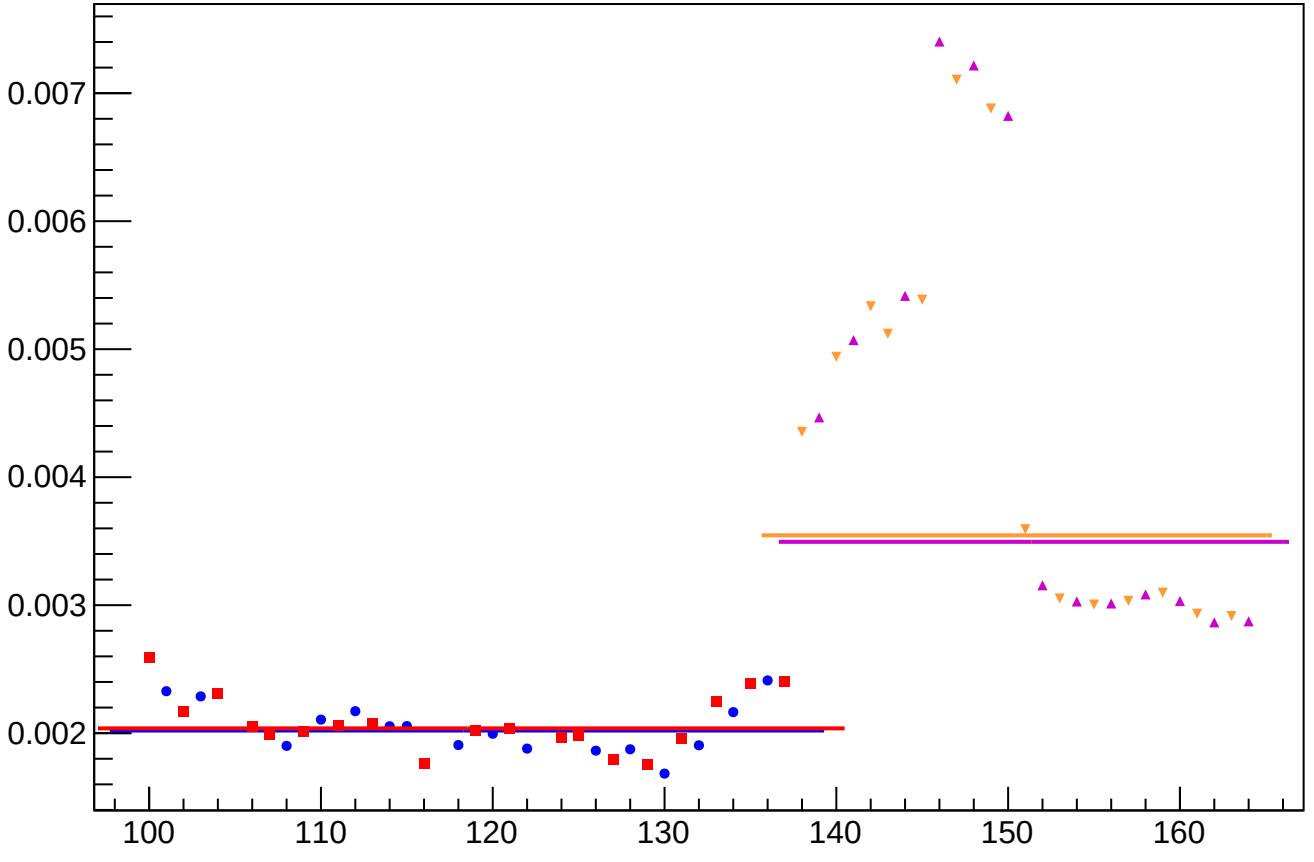
Left In: 2.271+/-0.000 χ^2/NDF:186220942286.5/12

+ sign 1.682+/-0.000 χ^2/NDF: 691967469984.0/29

All: 1.692+/-0.000 χ^2/NDF: 1420574533476.

- 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: 0.004+/-0.000 χ^2/NDF:1552603.3/13

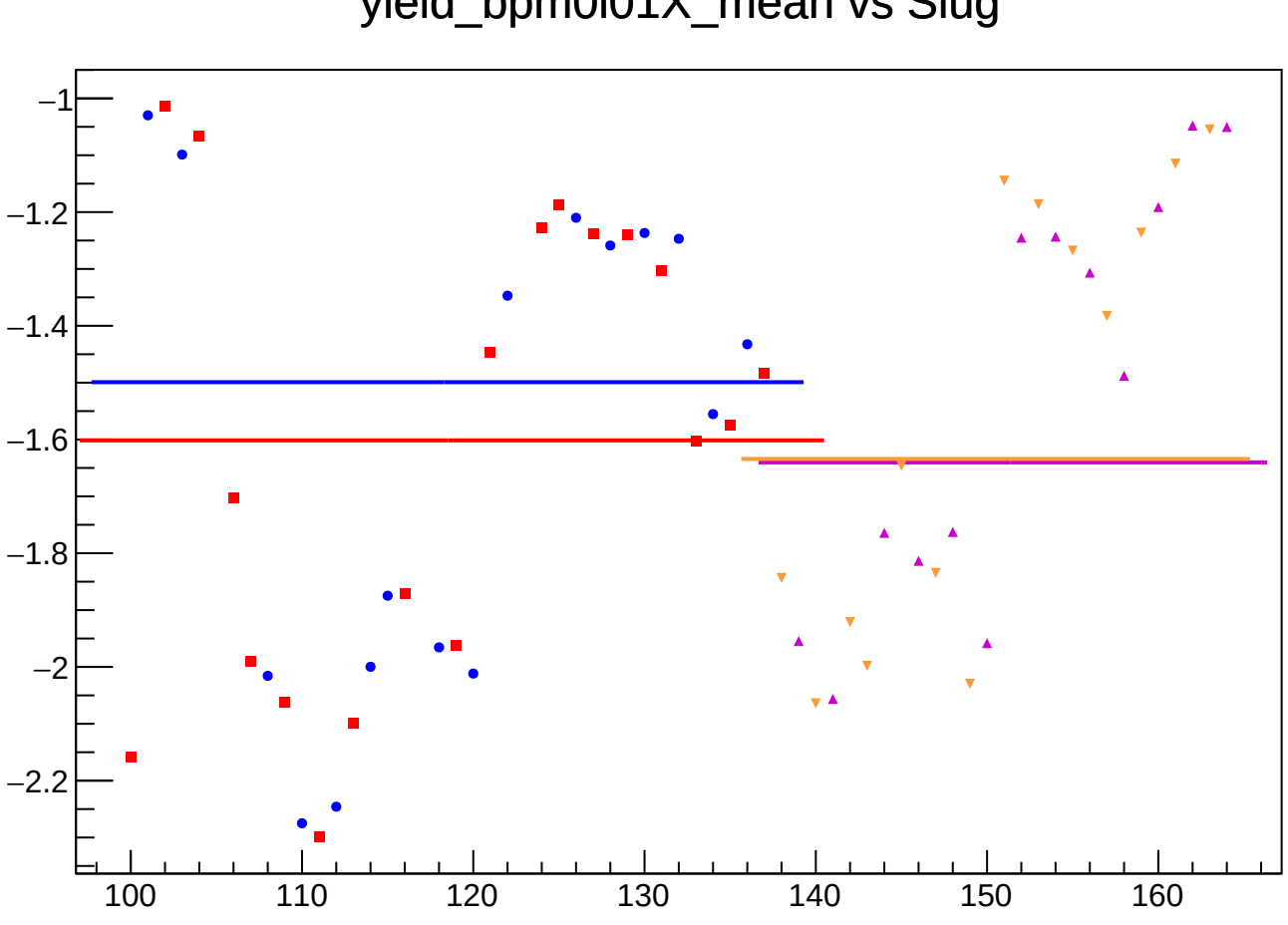
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1837492.5/12

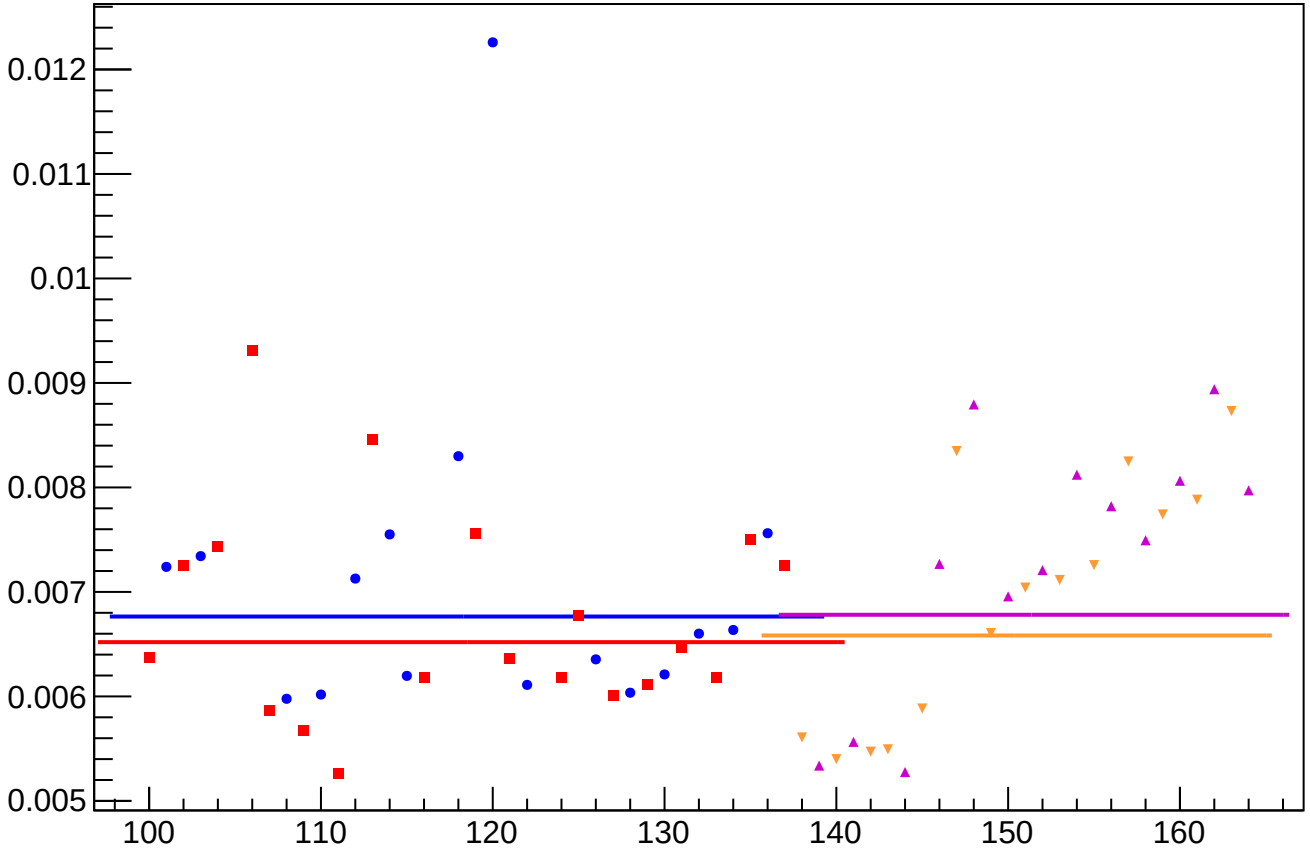
+ sign 0.003+/-0.000 χ^2/NDF: 4122392.2/29

All: 0.003+/-0.000 χ^2/NDF: 8269441.9/61

- sign 0.002+/-0.000 χ^2/NDF: 4146884.5/31


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.634+/-0.000 χ²/NDF:32563733886.5/13
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.640+/-0.000 χ²/NDF:25396676349.9/12
+ sign -1.584+/-0.000 χ²/NDF: 57108068411.4/29
All: -1.604+/-0.000 χ²/NDF: 111271742667.0
- sign -1.624+/-0.000 χ²/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:572062.7/13

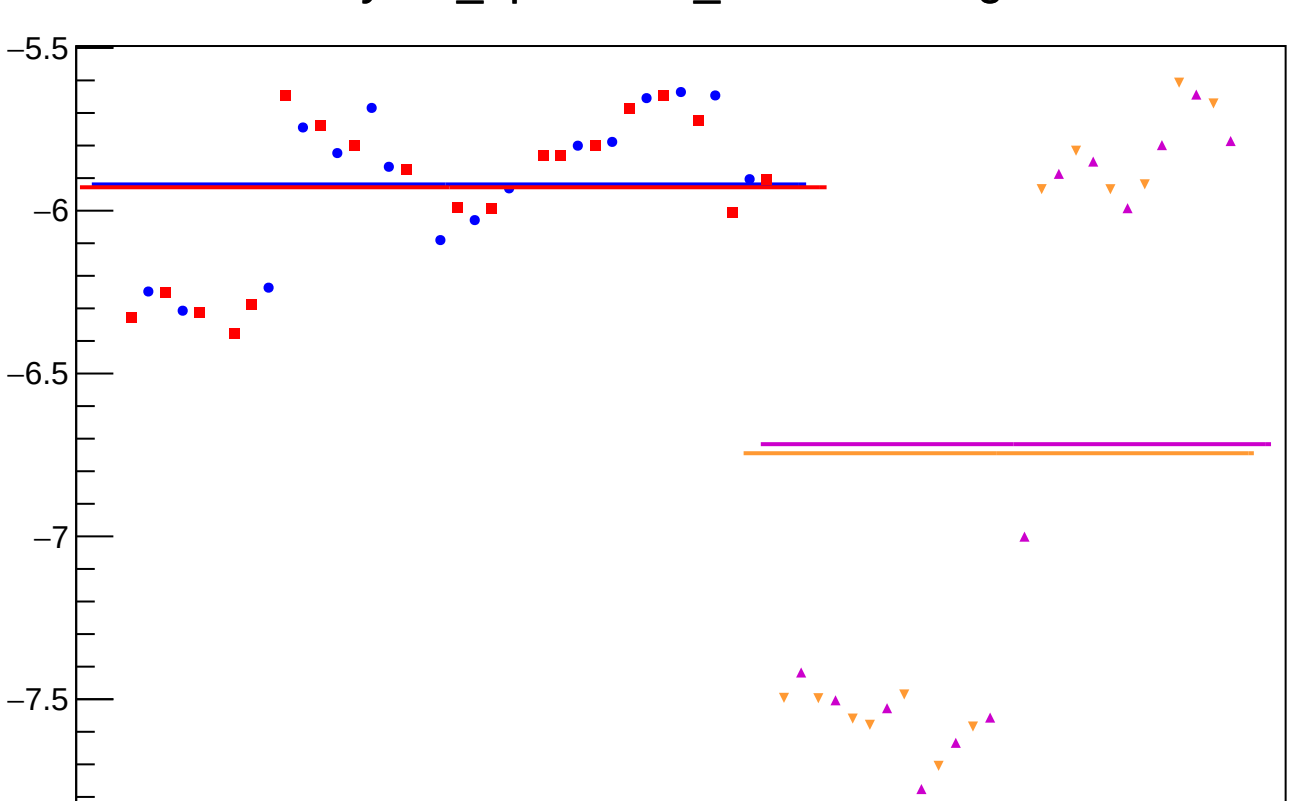
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:673431.5/12

+ sign 0.007+/-0.000 χ^2/NDF: 816457.7/29

All: 0.007+/-0.000 χ^2/NDF: 1748100.0/61

- 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: -6.745+/-0.000 χ^2/NDF:76890584365.0/13

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

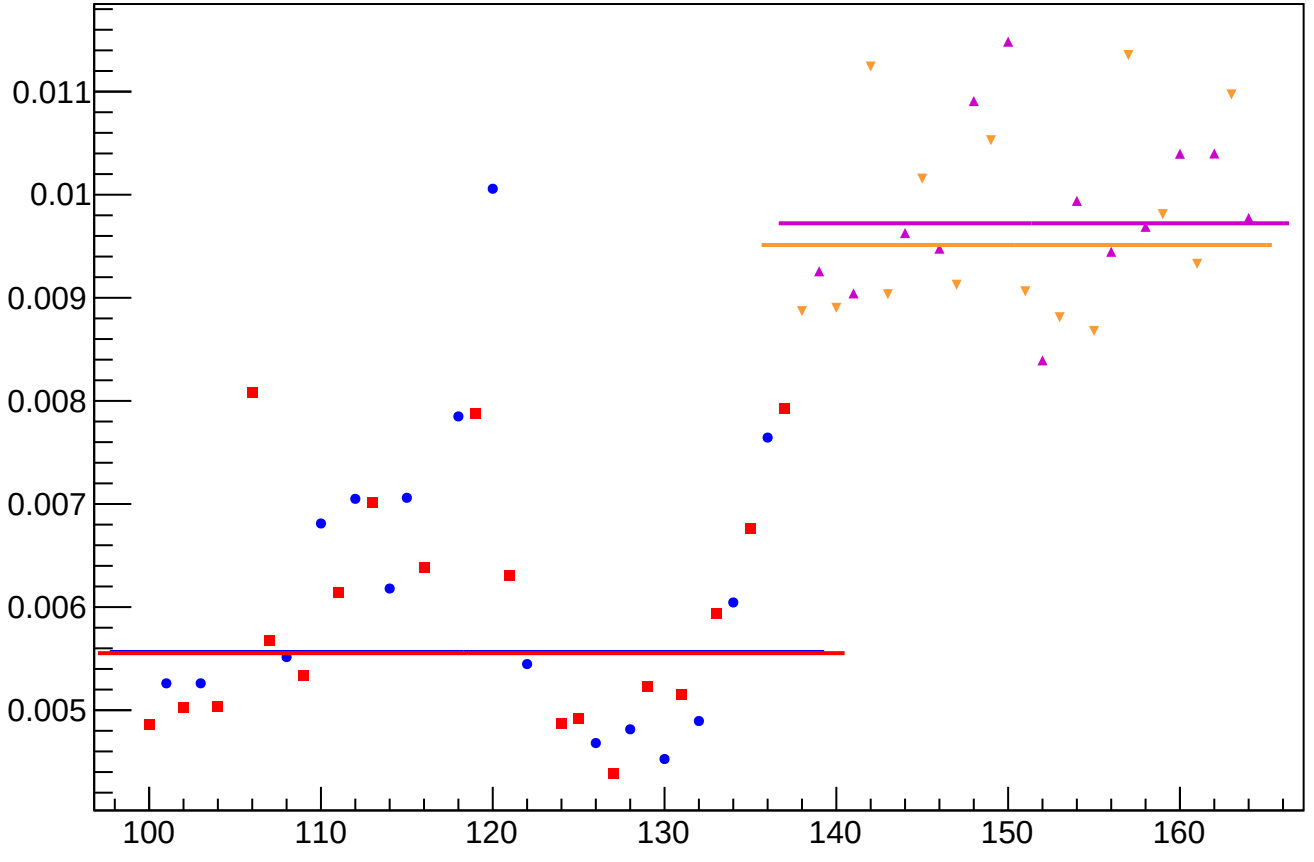
Left In: -6.717+/-0.000 χ^2/NDF:61787825005.0/12

+ sign -6.185+/-0.000 χ^2/NDF: 132009036791.9/29

All: -6.174+/-0.000 χ^2/NDF: 245554036322.3

- 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: 0.010+/-0.000 χ^2/NDF:133818.6/13

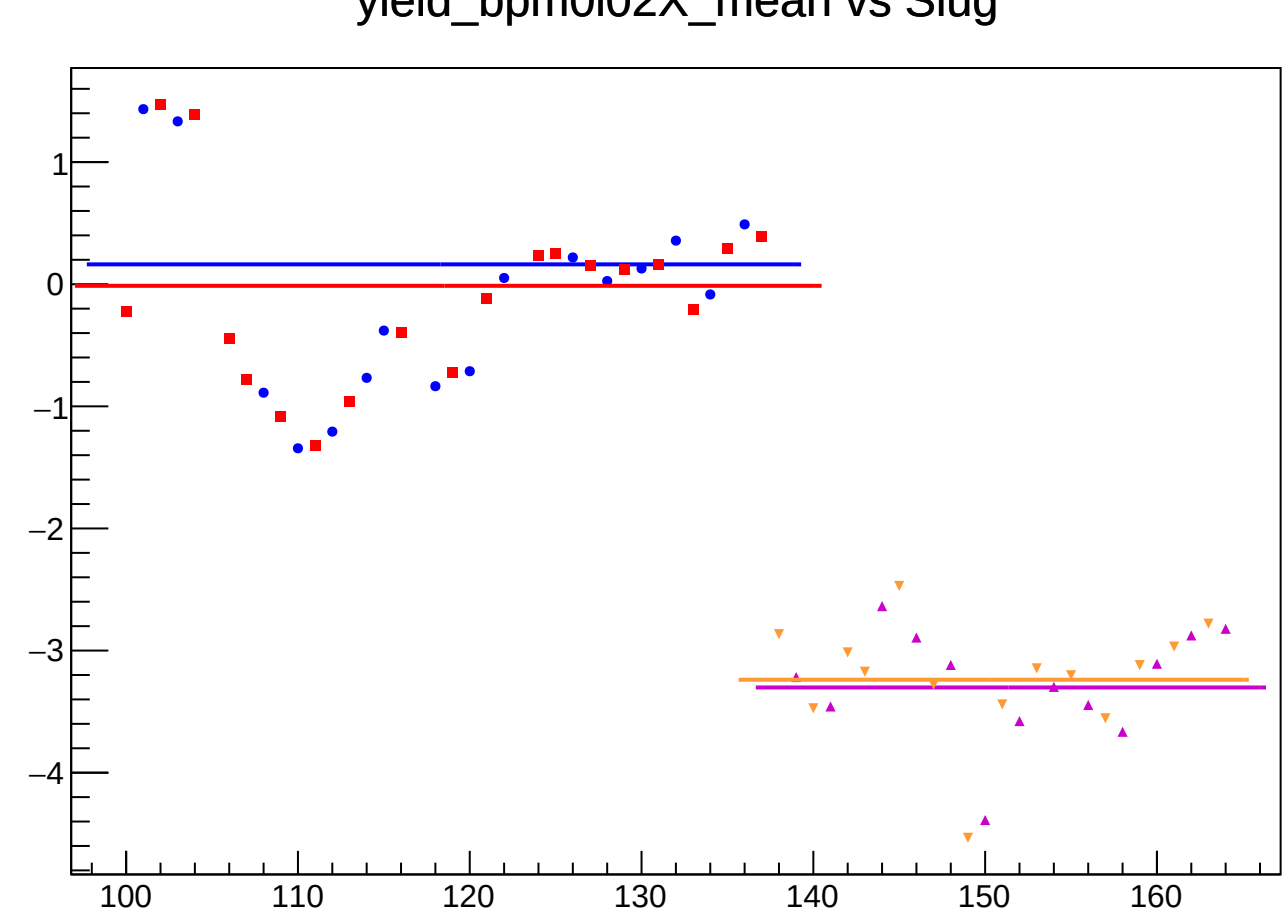
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:105881.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 2614324.3/29

All: 0.007+/-0.000 χ^2/NDF: 5267305.3/61

- 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: -3.239+/-0.000 χ^2/NDF:7484069094.1/13

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

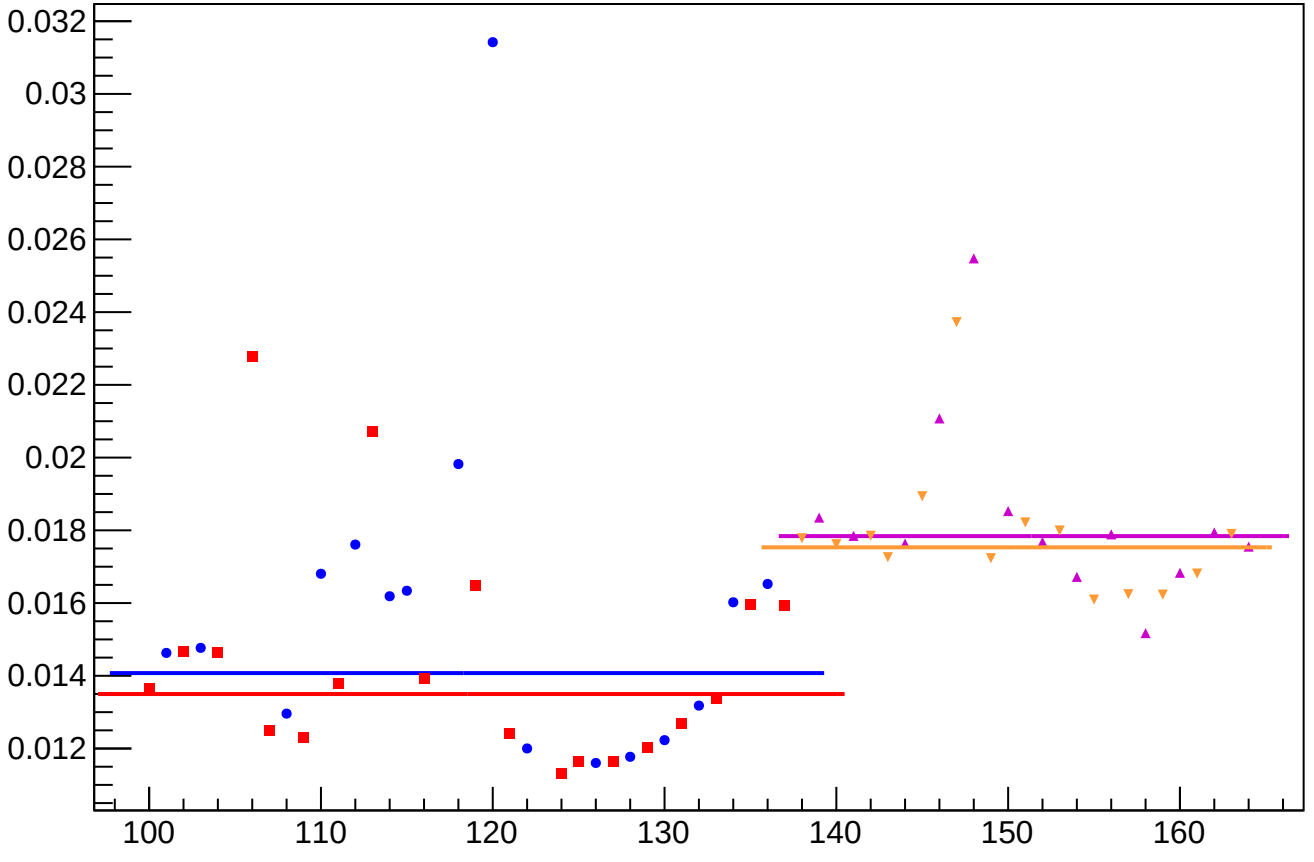
Left In: -3.302+/-0.000 χ^2/NDF:6262896257.5/12

+ sign -1.603+/-0.000 χ^2/NDF: 216641694647.2/29

All: -1.572+/-0.000 χ^2/NDF: 432642235029.9

- 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:152367.6/13

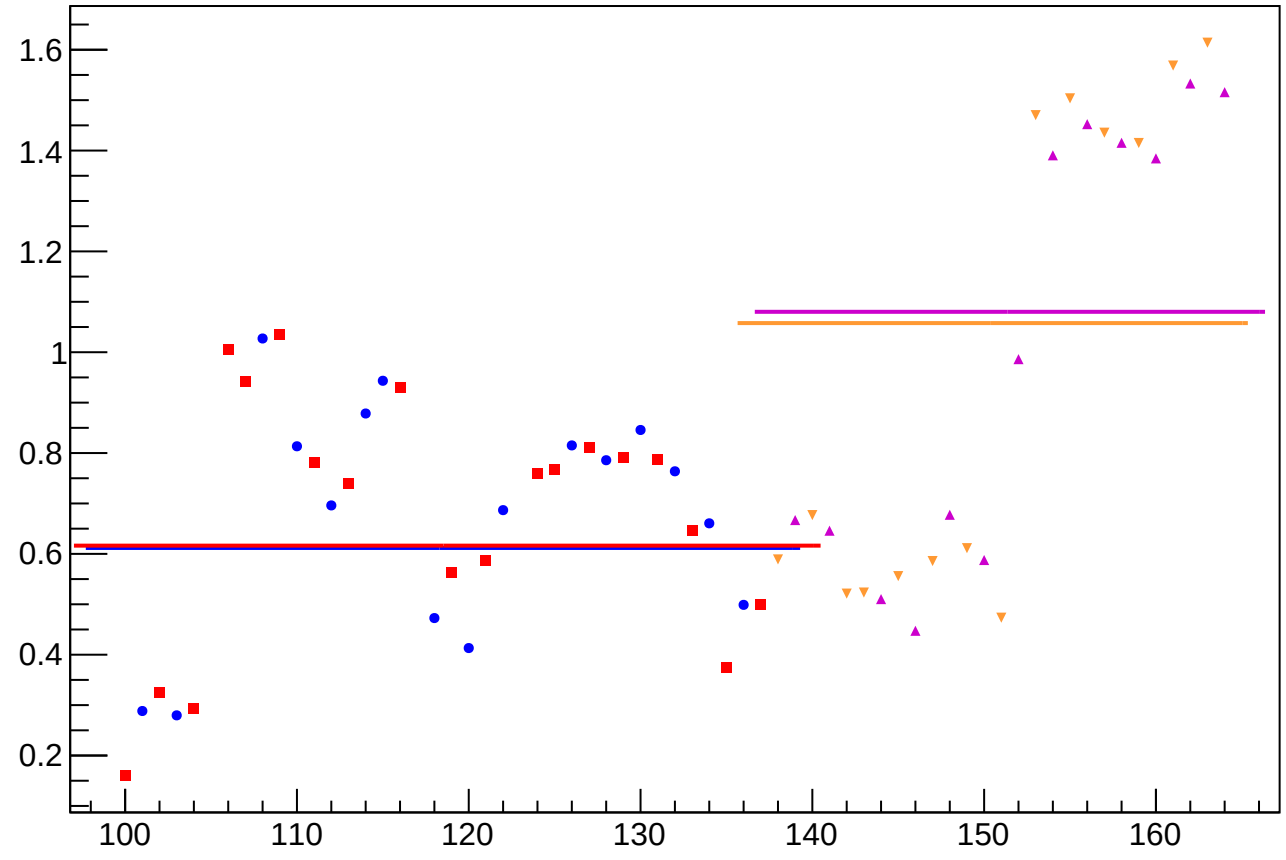
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243386.7/12

+ sign 0.016+/-0.000 χ^2/NDF: 1013090.4/29

All: 0.016+/-0.000 χ^2/NDF: 2231973.1/61

- 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: 1.058+/-0.000 χ^2/NDF:33018724604.0/13

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

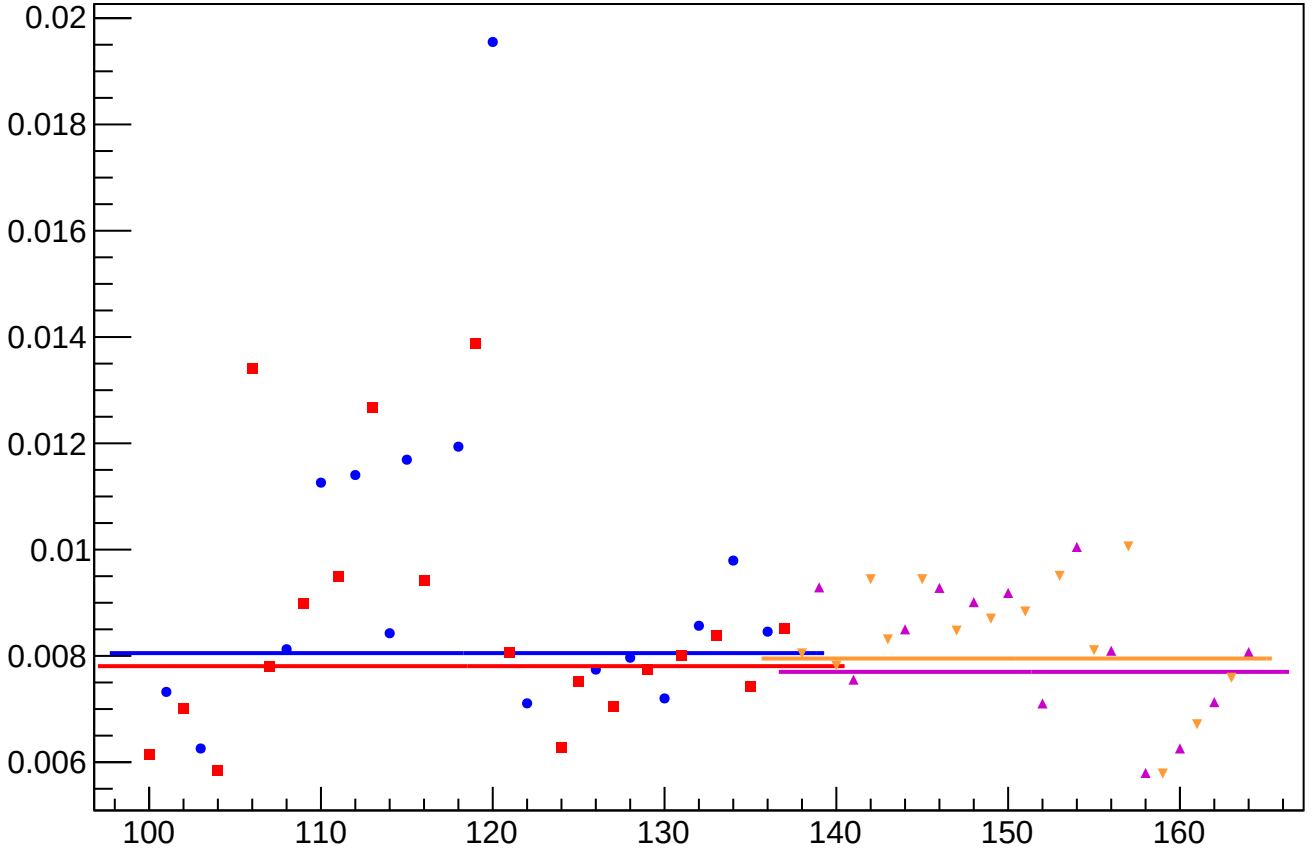
Left In: 1.080+/-0.000 χ^2/NDF:26283458745.0/12

+ sign 0.886+/-0.000 χ^2/NDF: 50229830959.3/29

All: 0.891+/-0.000 χ^2/NDF: 96605722259.8/6

- 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:460707.4/13

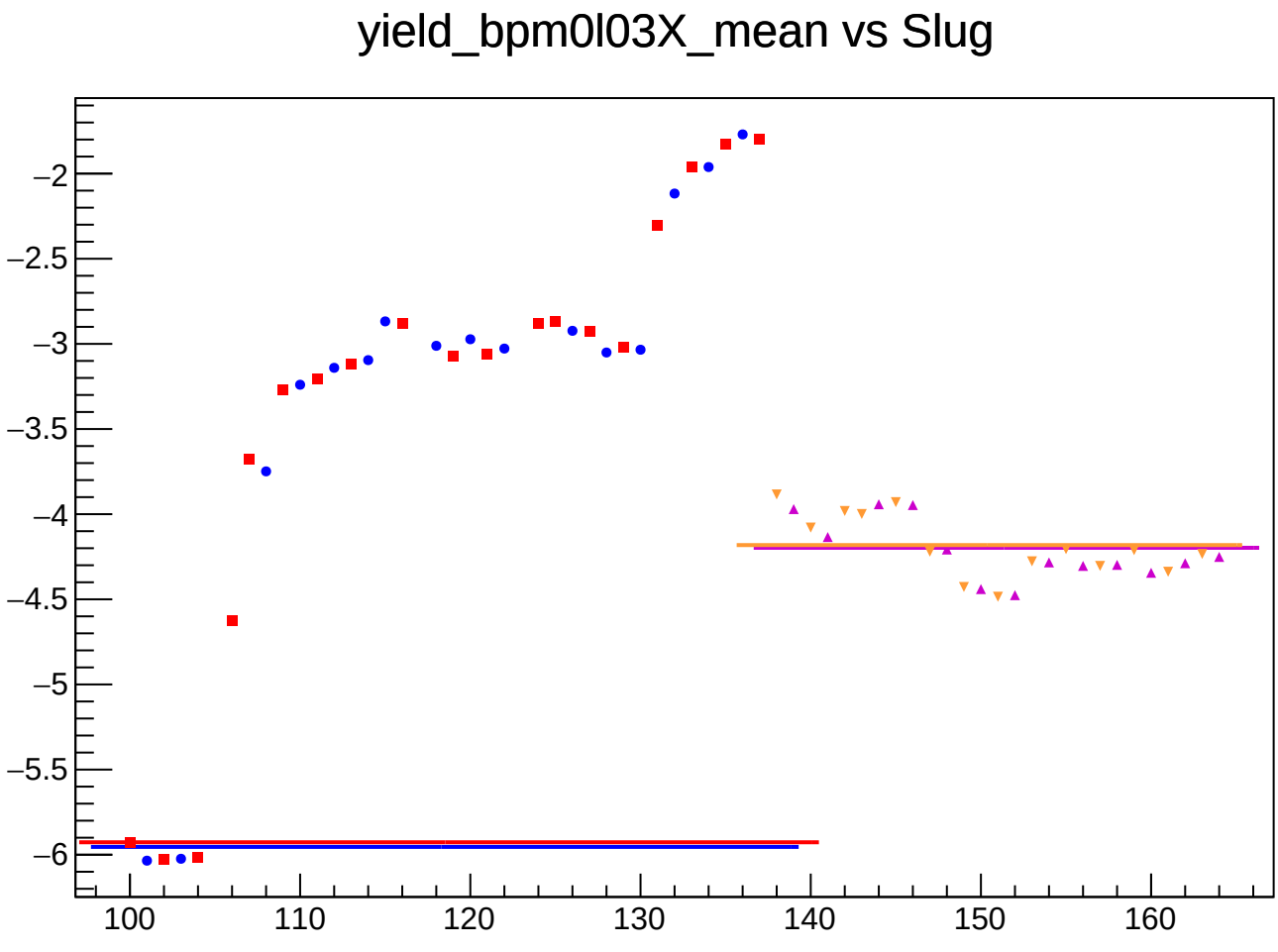
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/12

+ sign 0.008+/-0.000 χ^2/NDF: 1060223.6/29

All: 0.008+/-0.000 χ^2/NDF: 2201883.0/61

- 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: -4.182+/-0.000 χ^2/NDF:52547474.4/13

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

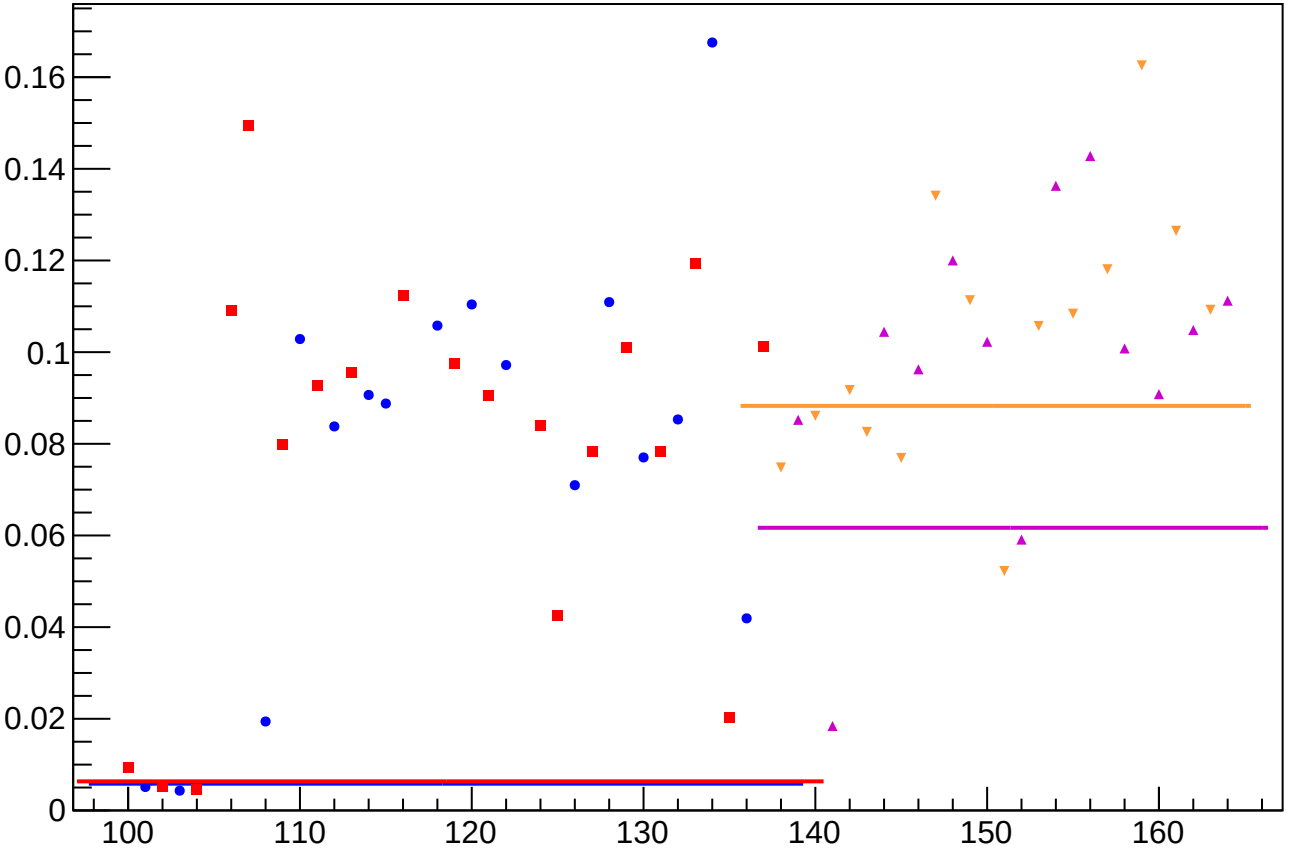
Left In: -4.197+/-0.000 χ^2/NDF:39973374.2/12

+ sign -5.916+/-0.000 χ^2/NDF: 16645396355.0/29

All: -5.893+/-0.000 χ^2/NDF: 35205175724.0/

- 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: 0.088+/-0.000 χ^2/NDF:1533707.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

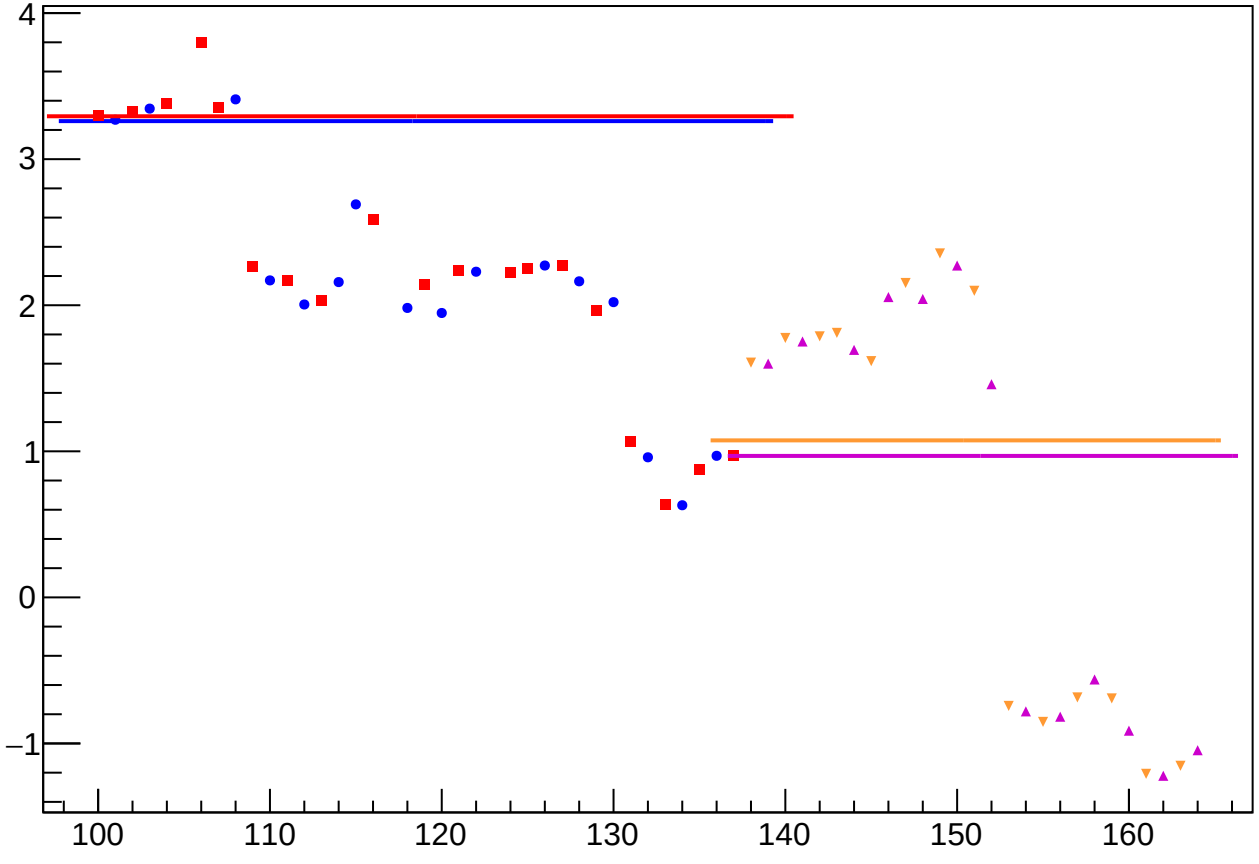
Left In: 0.062+/-0.000 χ^2/NDF:5419940.7/12

+ sign 0.008+/-0.000 χ^2/NDF: 25344822.5/29

All: 0.008+/-0.000 χ^2/NDF: 48824761.9/61

- sign 0.008+/-0.000 χ^2/NDF: 23456079.1/31

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.075+/-0.000 χ^2/NDF:1648325690.7/13

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

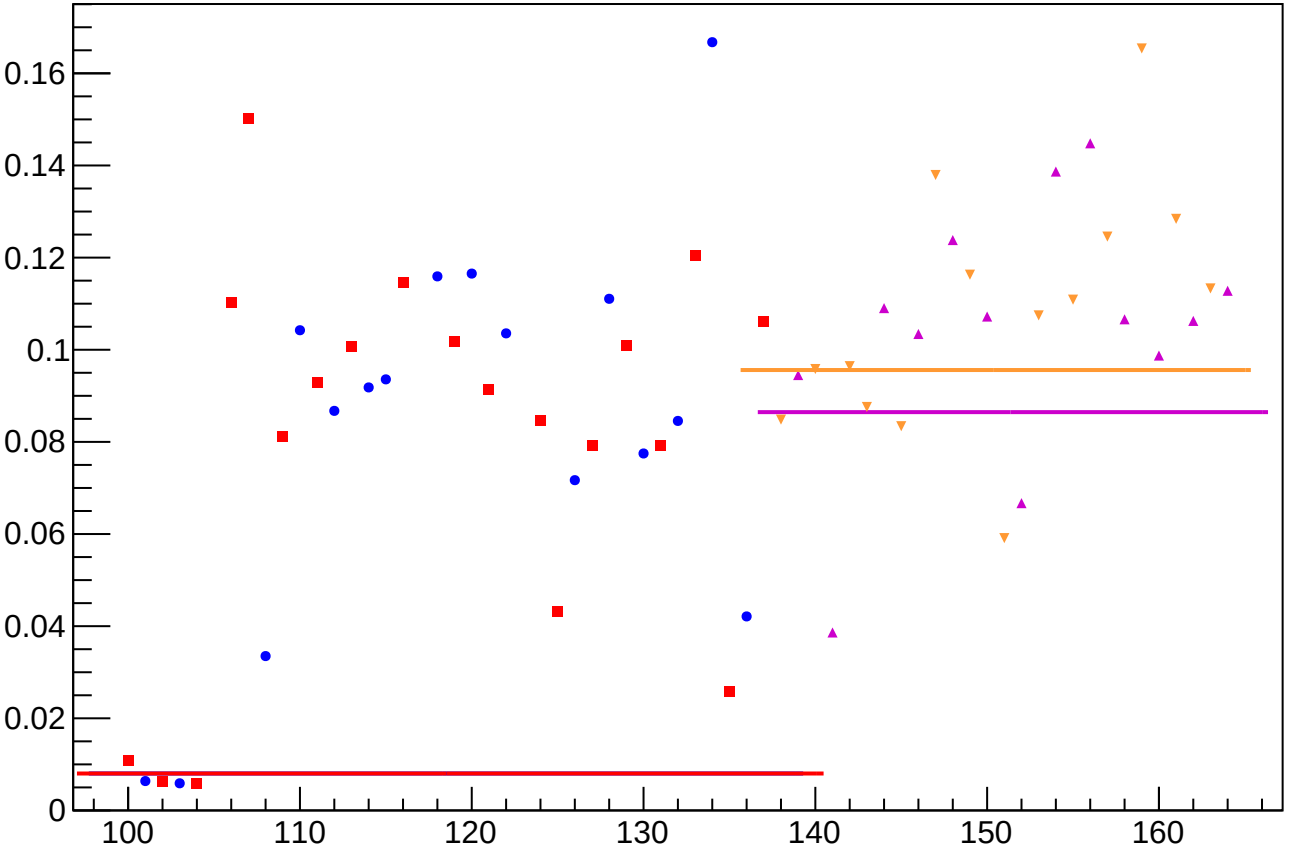
Left In: 0.968+/-0.000 χ^2/NDF:1619166616.7/12

+ sign 3.192+/-0.000 χ^2/NDF: 9270731584.3/29

All: 3.202+/-0.000 χ^2/NDF: 19617622550.6/6

- sign 3.213+/-0.000 χ^2/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:1219552.8/13

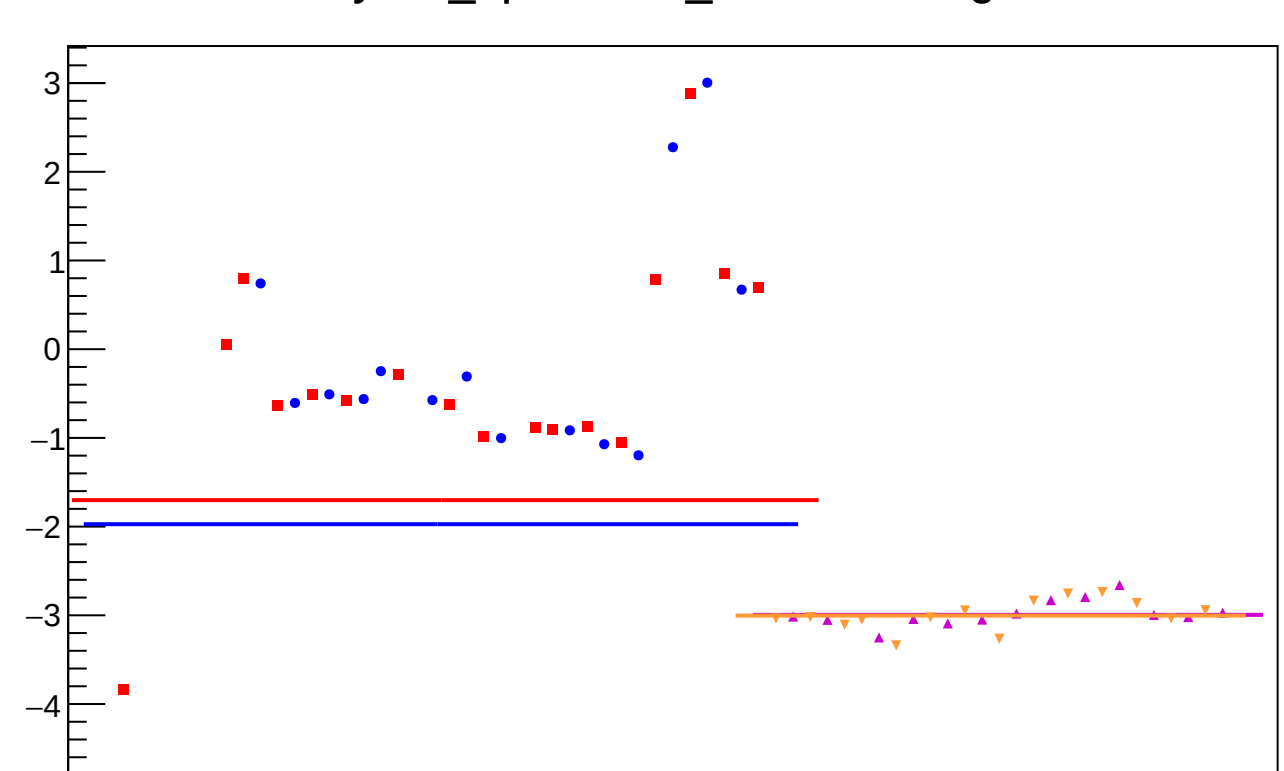
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.086+/-0.000 χ^2/NDF:2204307.5/12

+ sign 0.011+/-0.000 χ^2/NDF: 24446604.5/29

All: 0.011+/-0.000 χ^2/NDF: 47660172.4/61

- 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: -3.003+/-0.000 χ^2/NDF:4233735468.5/13

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

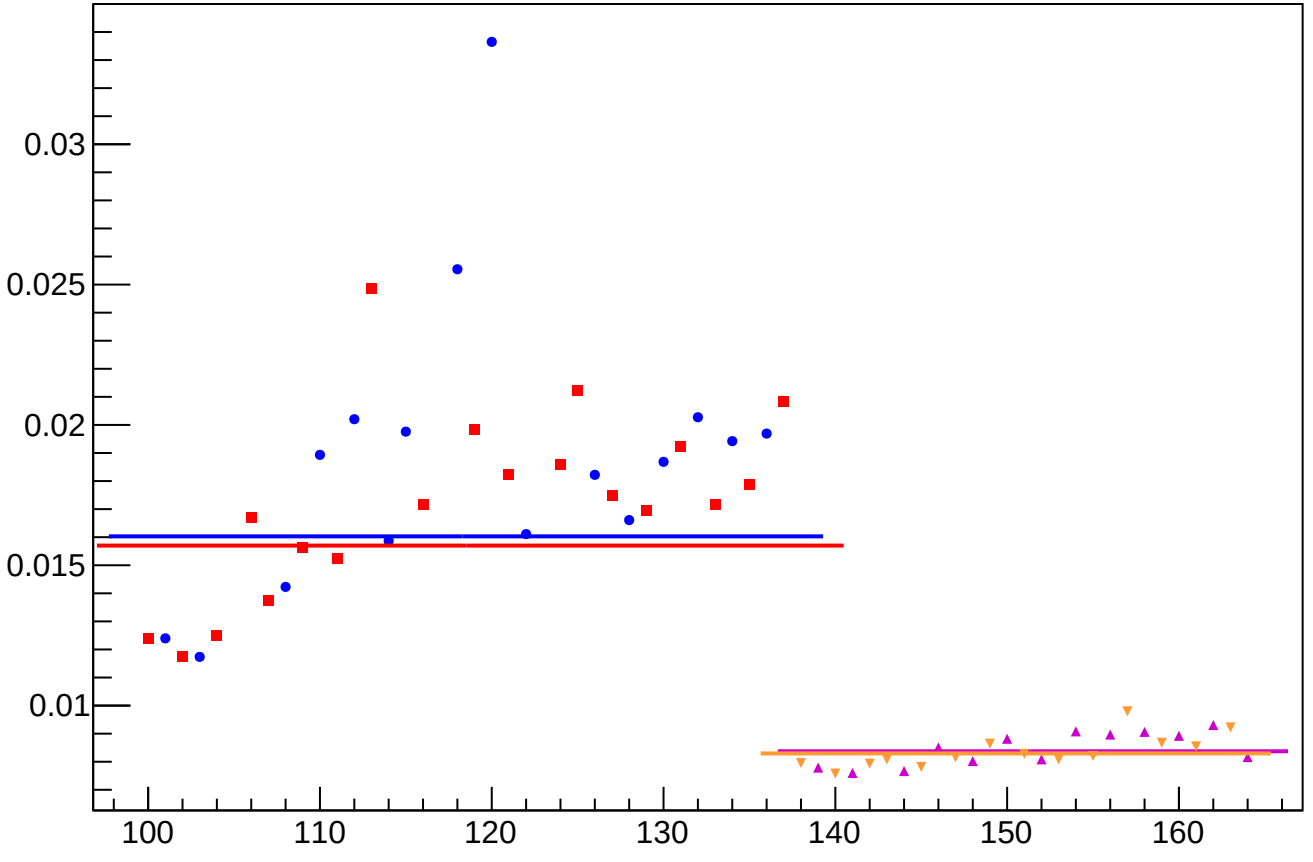
Left In: -2.995+/-0.000 χ^2/NDF:2987602124.6/12

+ sign -2.870+/-0.000 χ^2/NDF: 187168076528.2/29

All: -2.836+/-0.000 χ^2/NDF: 395483085442.1

- 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:86050.0/13

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

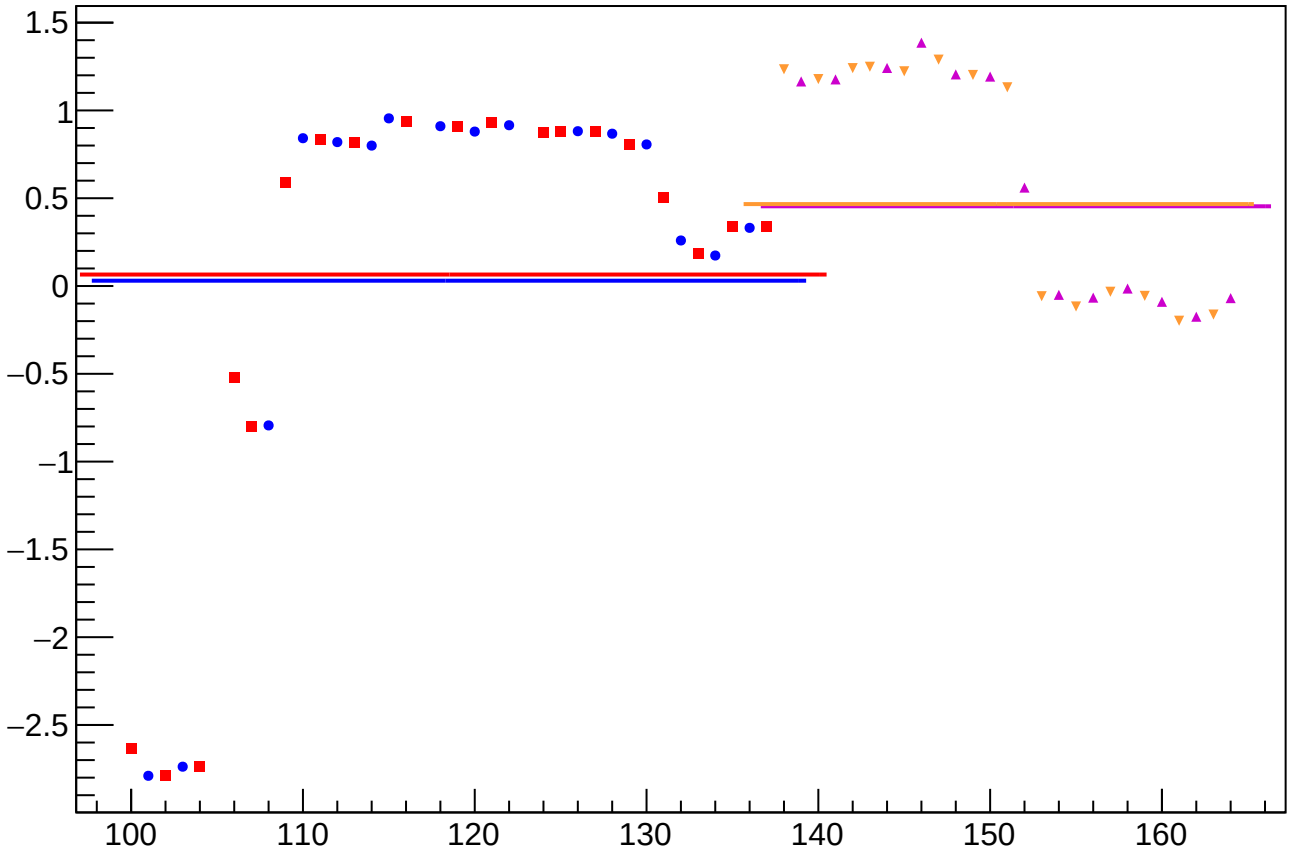
Left In: 0.008+/-0.000 χ^2/NDF:99496.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 3182869.7/29

All: 0.009+/-0.000 χ^2/NDF: 6152060.9/61

- 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: 0.467+/-0.000 χ^2/NDF:80000819547.0/13

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

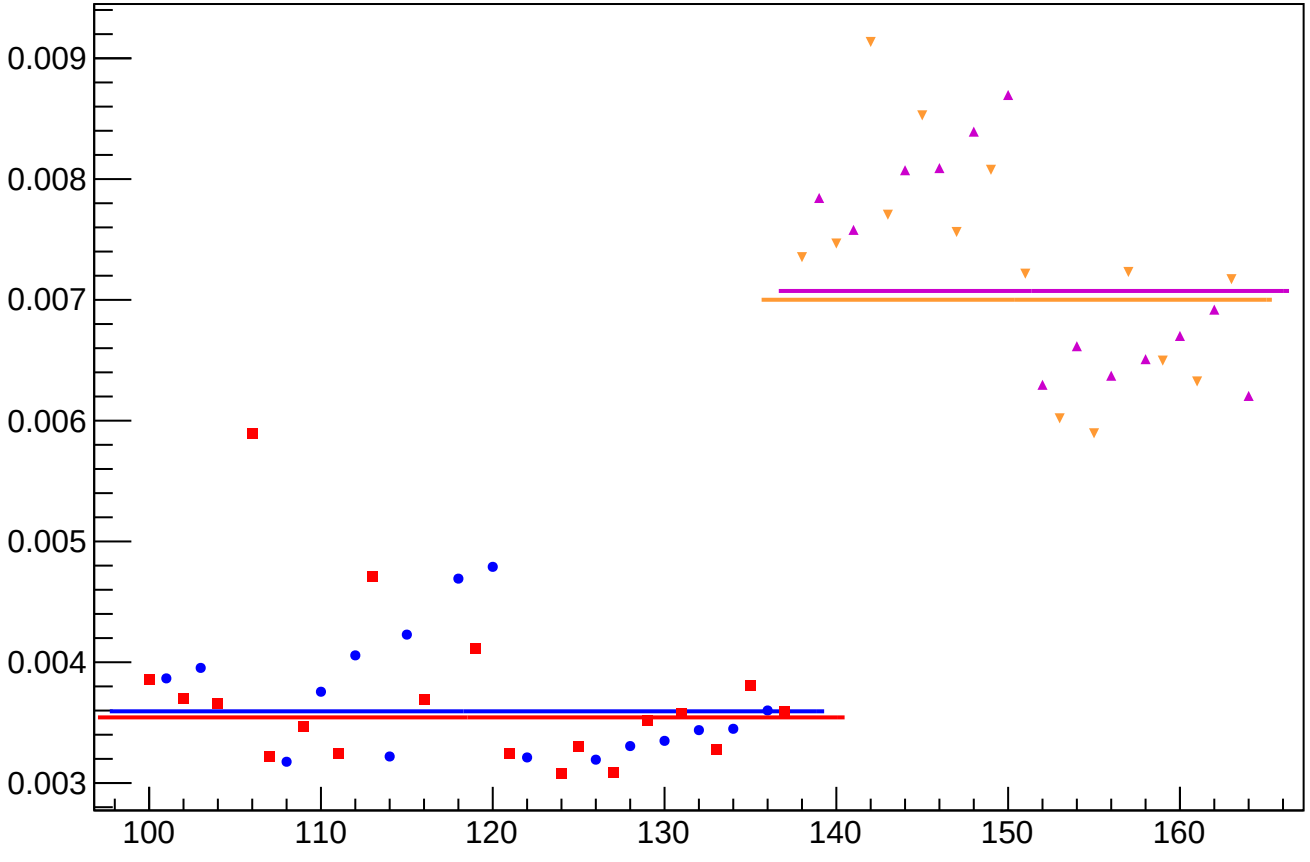
Left In: 0.454+/-0.000 χ^2/NDF:66631353544.9/12

+ sign 0.145+/-0.000 χ^2/NDF: 957745905191.1/29

All: 0.153+/-0.000 χ^2/NDF: 1980560902738.

- 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:249401.0/13

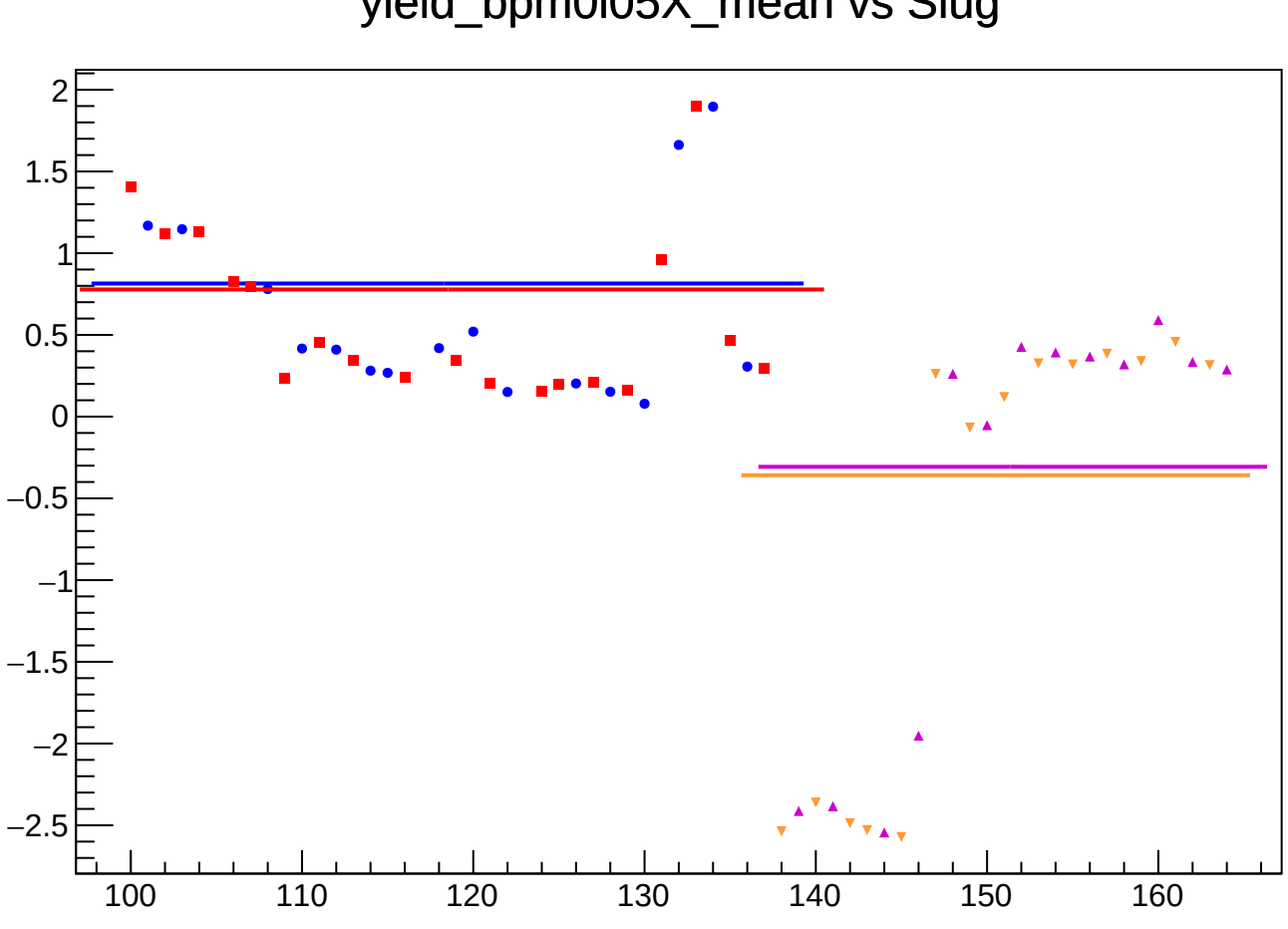
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:233058.3/12

+ sign 0.004+/-0.000 χ^2/NDF: 3609144.7/29

All: 0.004+/-0.000 χ^2/NDF: 7474020.6/61

- 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: -0.358+/-0.000 χ^2/NDF:347742263442.6/13

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

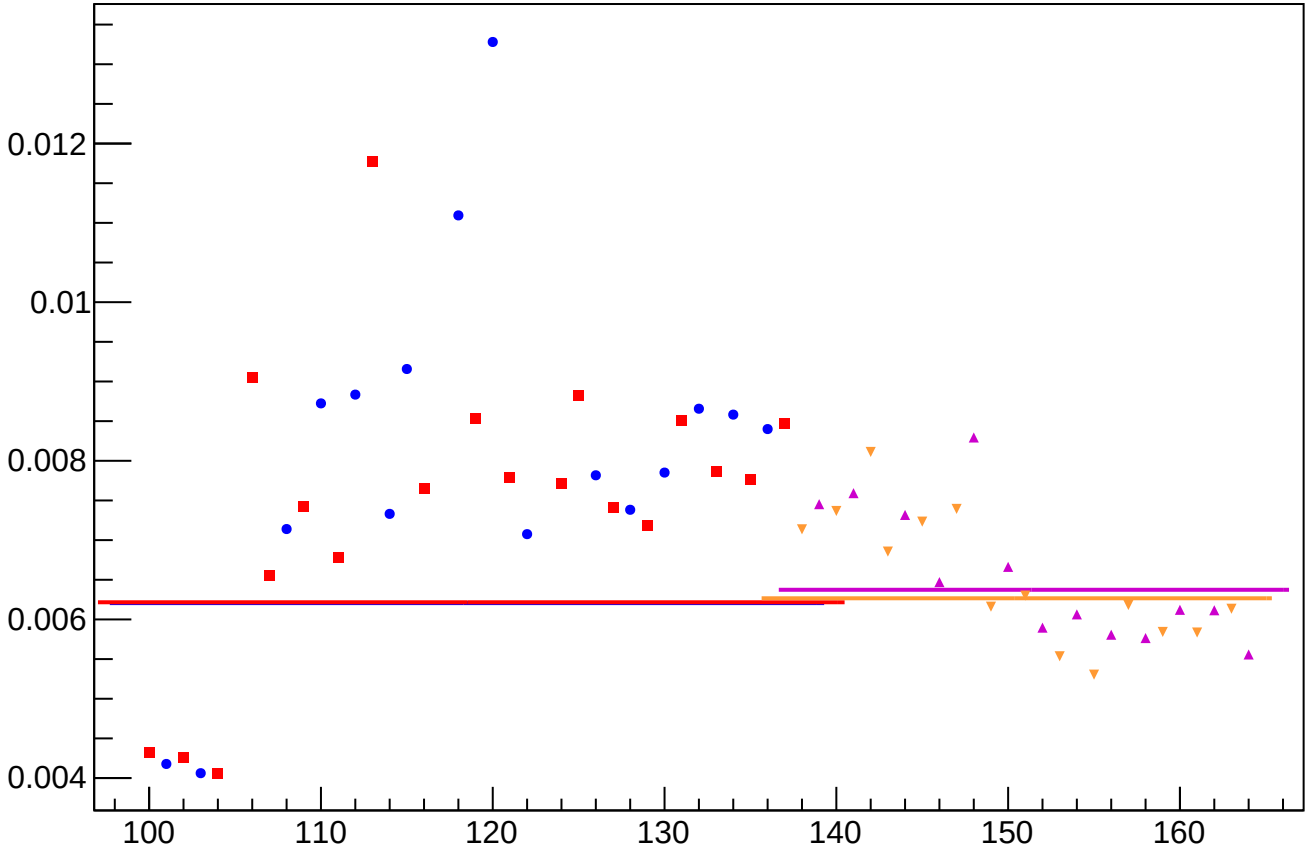
Left In: -0.307+/-0.000 χ^2/NDF:315314299026.8/12

+ sign 0.070+/-0.000 χ^2/NDF: 509154404047.9/29

All: 0.094+/-0.000 χ^2/NDF: 970702726339.5

- 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:254271.7/13

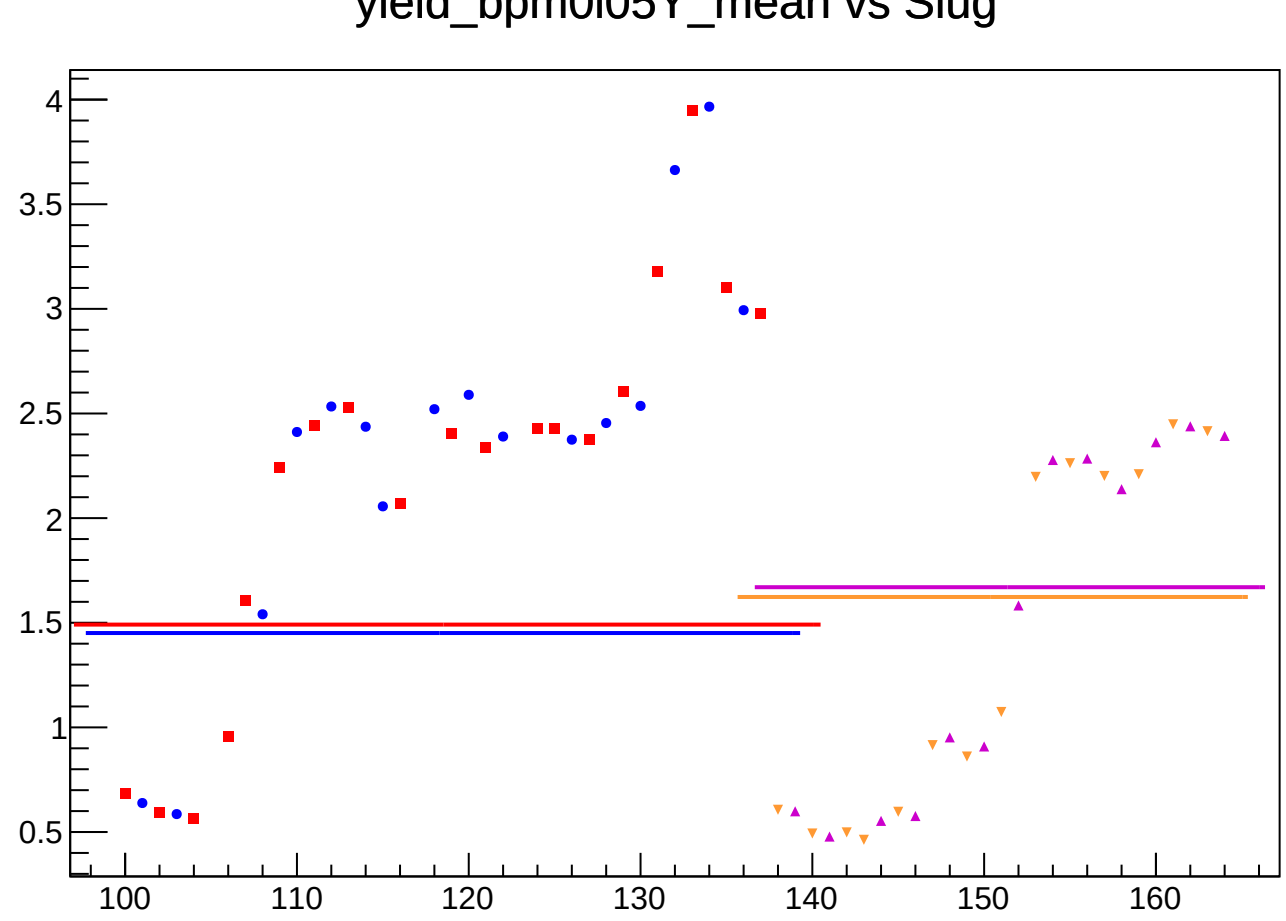
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:257240.0/12

+ sign 0.006+/-0.000 χ^2/NDF: 1678830.1/29

All: 0.006+/-0.000 χ^2/NDF: 3103679.0/61

- 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: 1.623+/-0.000 χ^2/NDF:154799155528.8/13

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

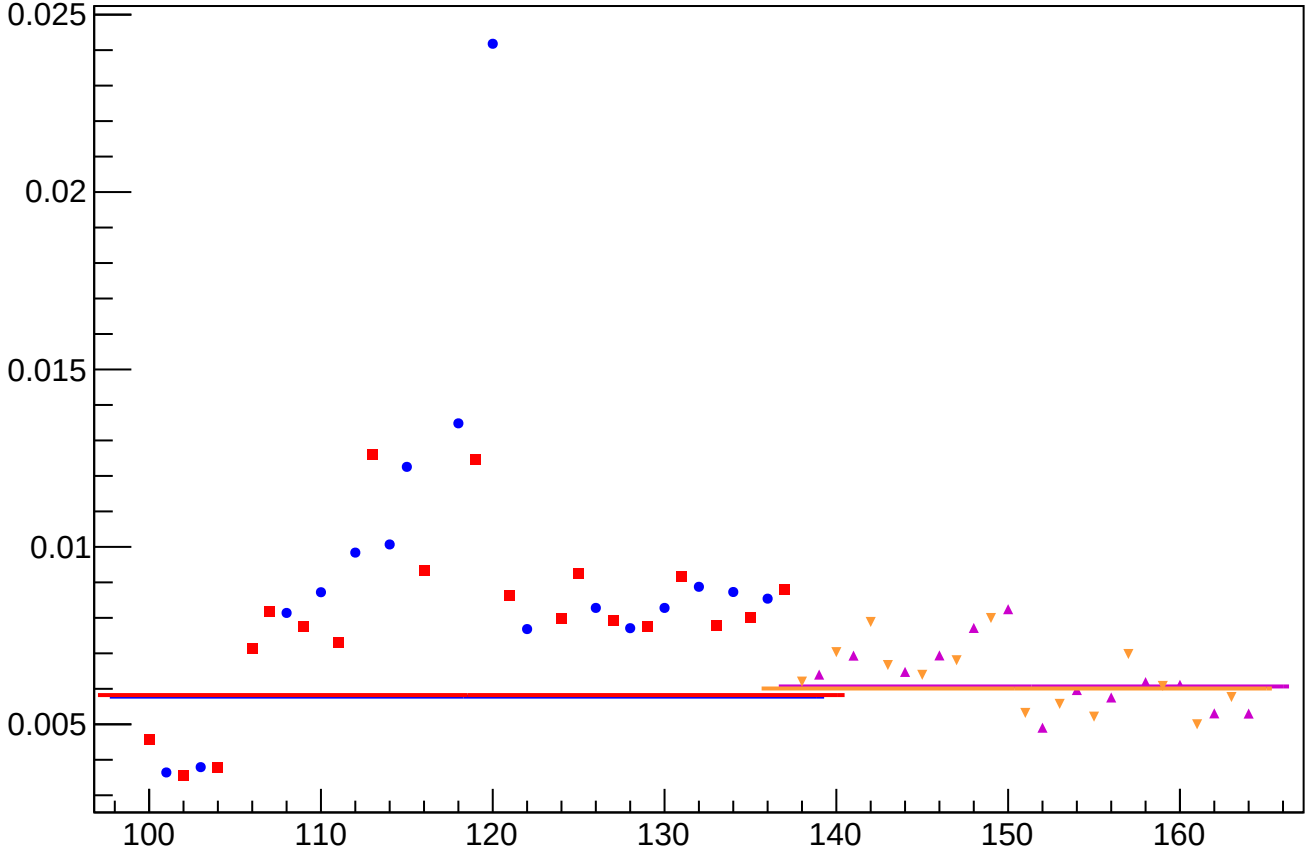
Left In: 1.670+/-0.000 χ^2/NDF:139559153711.0/12

+ sign 1.558+/-0.000 χ^2/NDF: 327189104863.3/29

All: 1.578+/-0.000 χ^2/NDF: 657076035480.2

- 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:326963.8/13

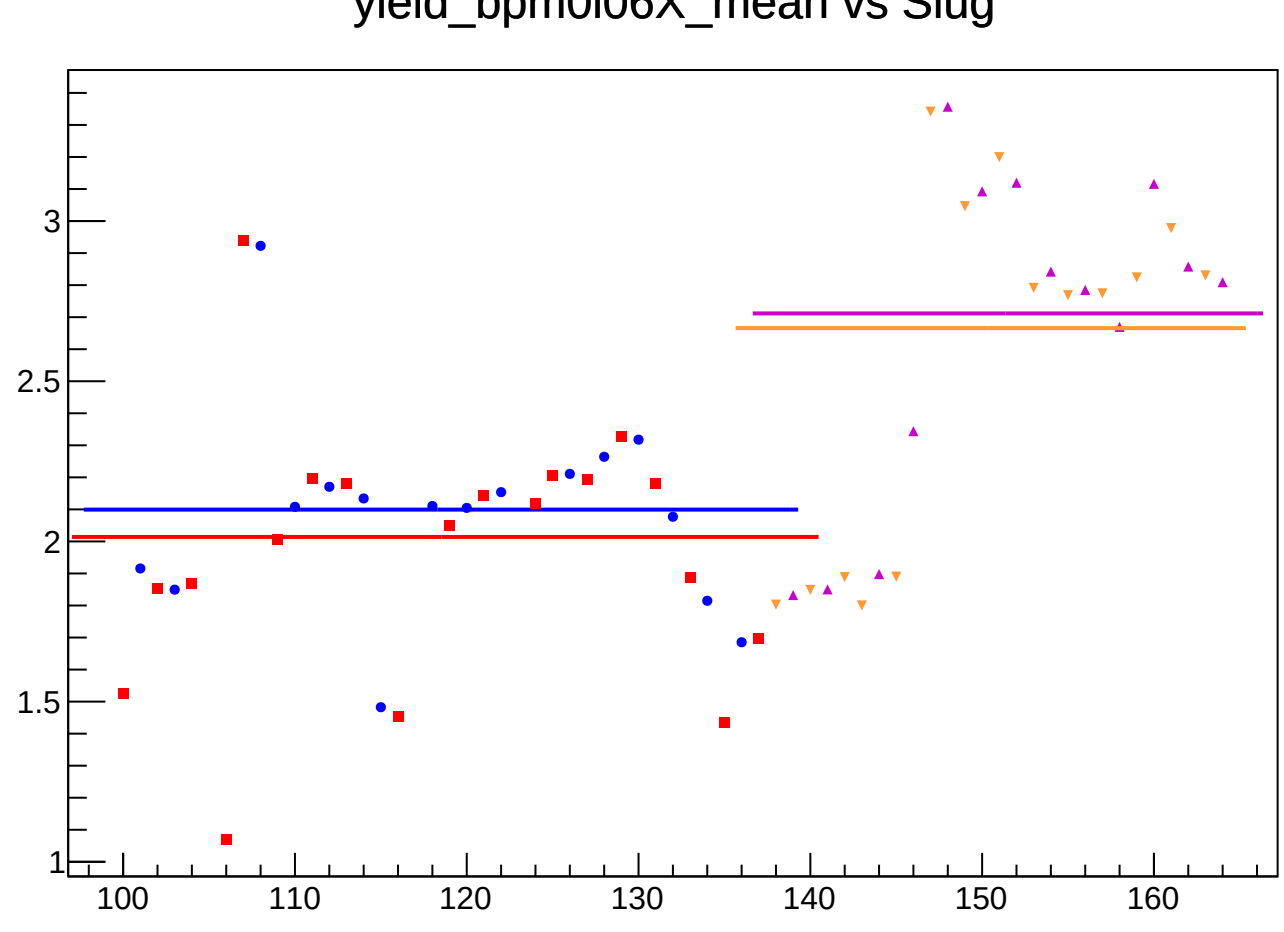
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:344094.6/12

+ sign 0.006+/-0.000 χ^2/NDF: 2550534.5/29

All: 0.006+/-0.000 χ^2/NDF: 4862536.9/61

- 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: 2.666+/-0.000 χ^2/NDF:42816761084.3/13

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

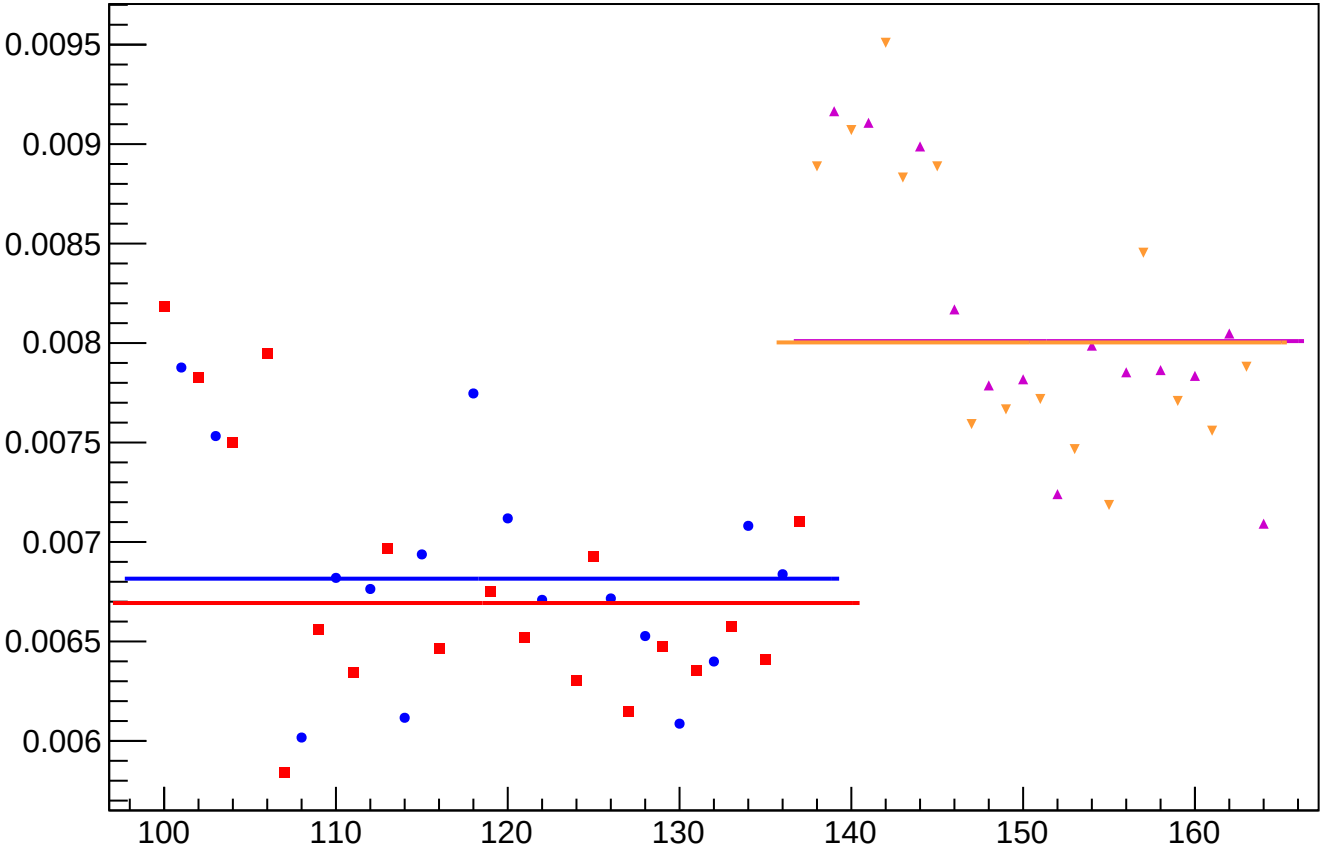
Left In: 2.712+/-0.000 χ^2/NDF:36162298484.5/12

+ sign 2.396+/-0.000 χ^2/NDF: 81473486786.4/29

All: 2.380+/-0.000 χ^2/NDF: 176323406747.2

- 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:134208.9/13

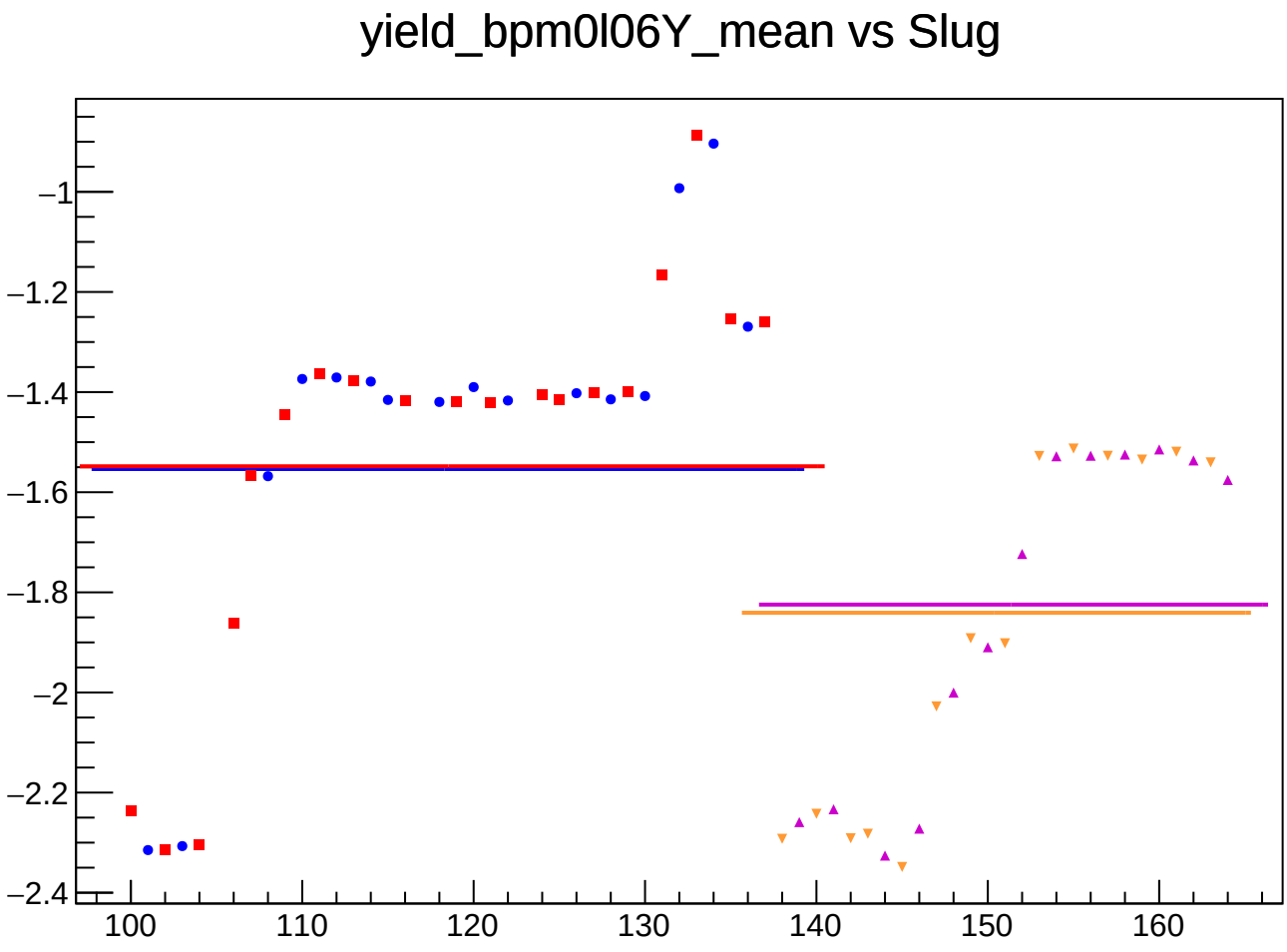
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:112294.2/12

+ sign 0.007+/-0.000 χ^2/NDF: 438402.5/29

All: 0.007+/-0.000 χ^2/NDF: 917913.5/61

- 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: -1.841+/-0.000 χ^2/NDF:116961323053.2/13

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

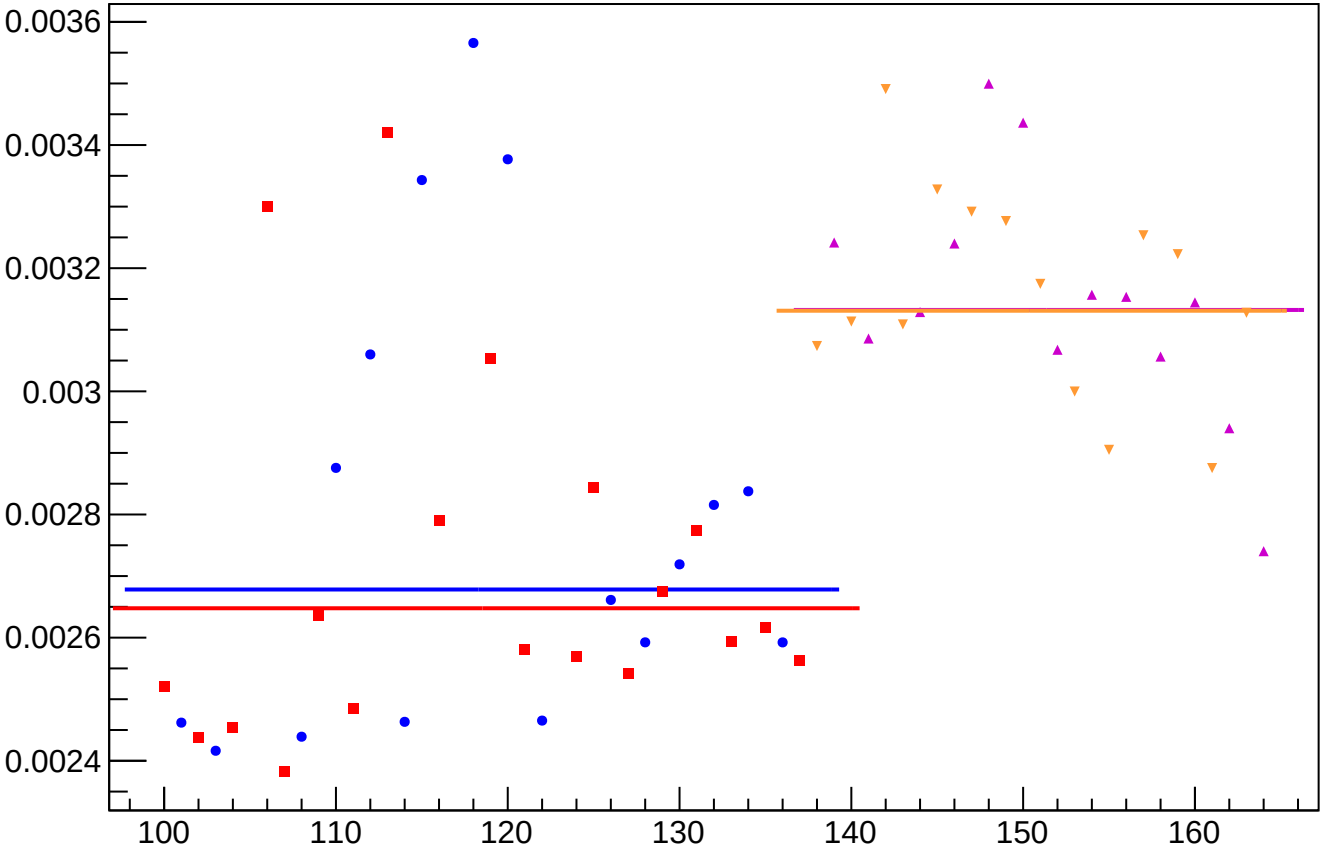
Left In: -1.824+/-0.000 χ^2/NDF:108034957570.4/12

+ sign -1.705+/-0.000 χ^2/NDF: 332712065077.2/29

All: -1.696+/-0.000 χ^2/NDF: 654437064034.6

- 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:49333.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

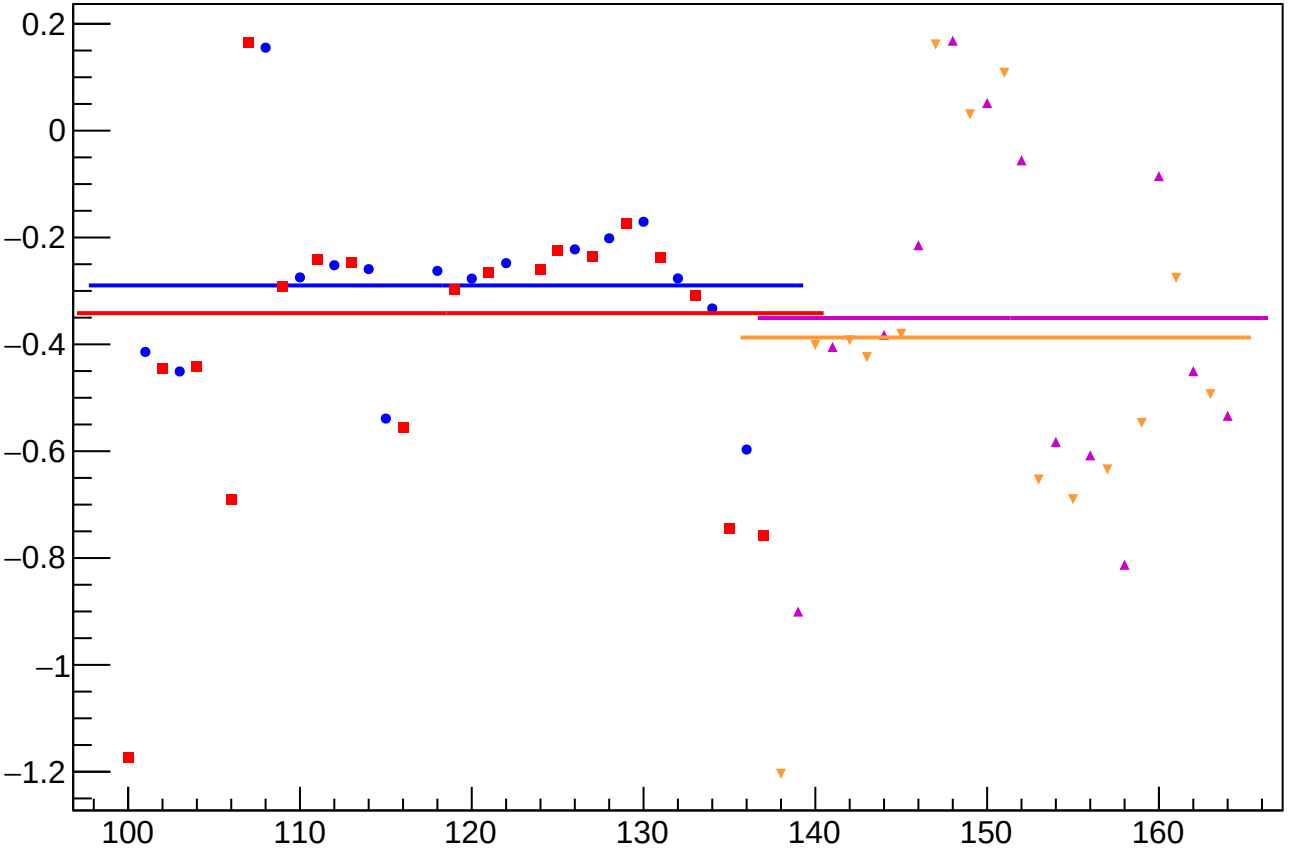
Left In: 0.003+/-0.000 χ^2/NDF:66122.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 408965.7/29

All: 0.003+/-0.000 χ^2/NDF: 830210.9/61

- 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: -0.387+/-0.000 χ^2/NDF:7034130200.6/13

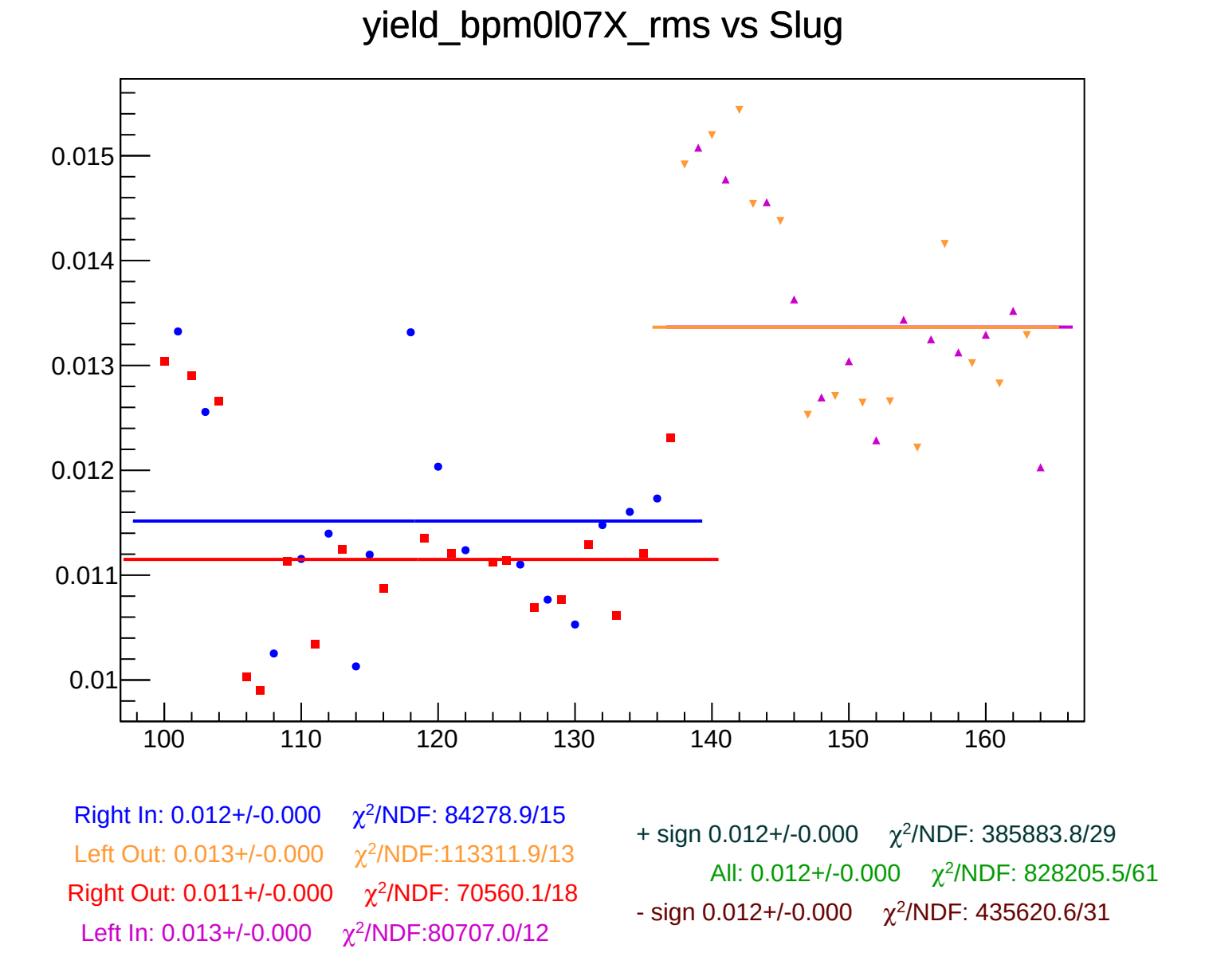
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.351+/-0.000 χ^2/NDF:5824857362.3/12

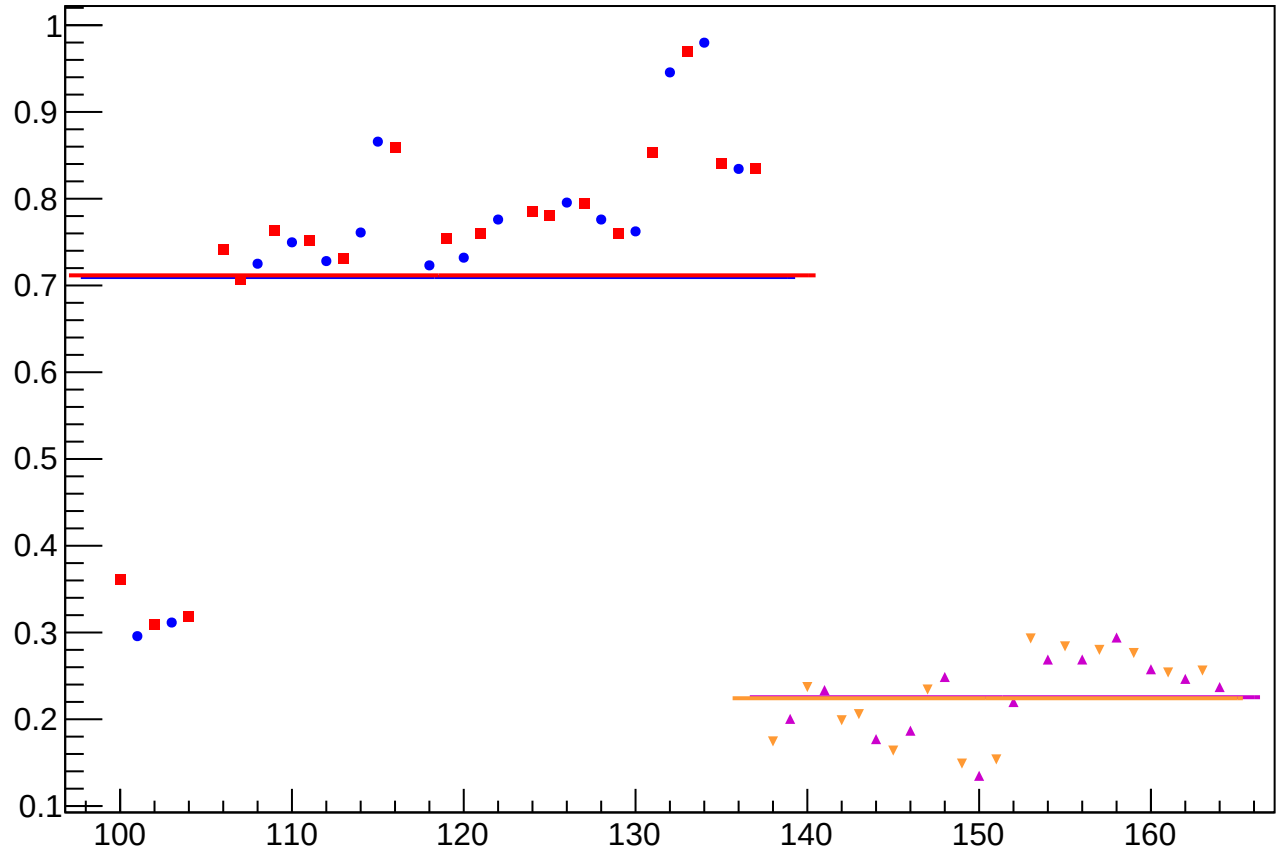
+ sign -0.341+/-0.000 χ^2/NDF: 8941018346.8/29

All: -0.344+/-0.000 χ^2/NDF: 17378897819.4/

- sign -0.346+/-0.000 χ^2/NDF: 8436535829.9/31


yield_bpm0l07X_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
Right In: 0.012+/-0.000 χ²/NDF: 84278.9/15
Left Out: 0.013+/-0.000 χ²/NDF:113311.9/13
Right Out: 0.011+/-0.000 χ²/NDF: 70560.1/18
Left In: 0.013+/-0.000 χ²/NDF:80707.0/12
+ sign 0.012+/-0.000 χ²/NDF: 385883.8/29
All: 0.012+/-0.000 χ²/NDF: 828205.5/61
- sign 0.012+/-0.000 χ²/NDF: 435620.6/31

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.224+/-0.000 χ^2/NDF:5496805599.6/13

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

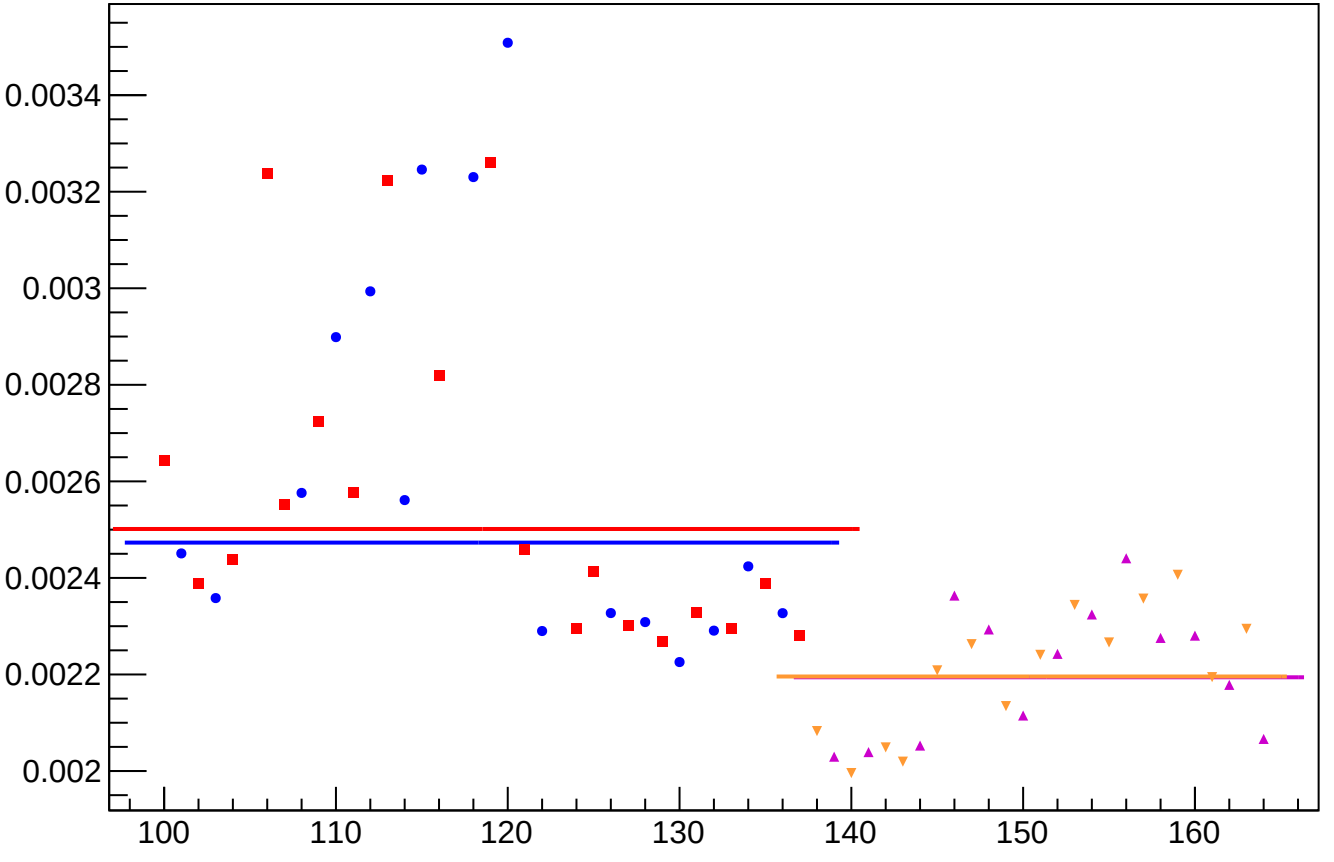
Left In: 0.225+/-0.000 χ^2/NDF:4223844476.3/12

+ sign 0.383+/-0.000 χ^2/NDF: 231074284877.3/29

All: 0.385+/-0.000 χ^2/NDF: 456656210466.1

- 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:73601.4/13

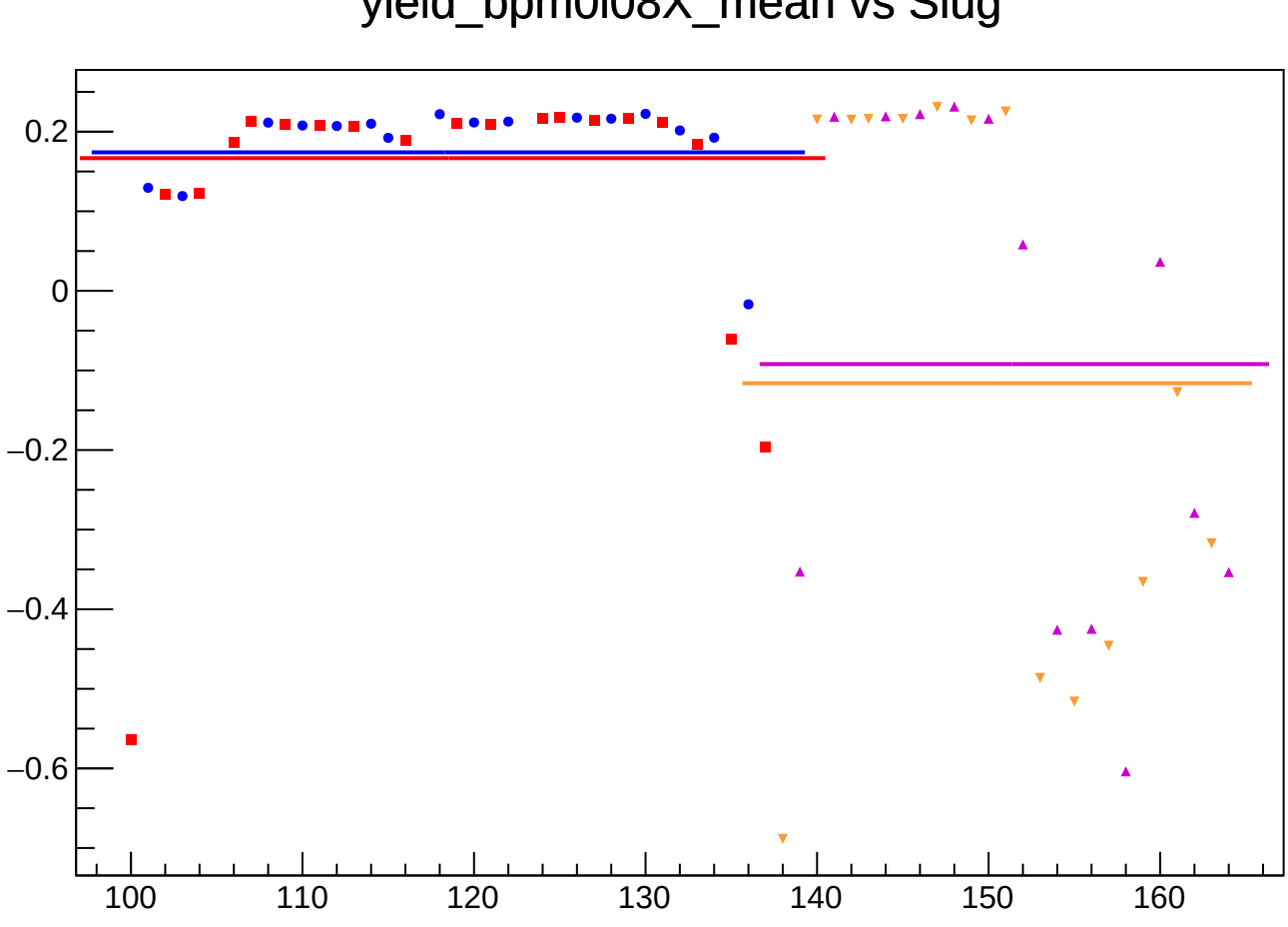
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:76473.4/12

+ sign 0.002+/-0.000 χ^2/NDF: 396960.6/29

All: 0.002+/-0.000 χ^2/NDF: 792604.6/61

- 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: -0.116+/-0.000 χ^2/NDF:7995627402.2/13

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

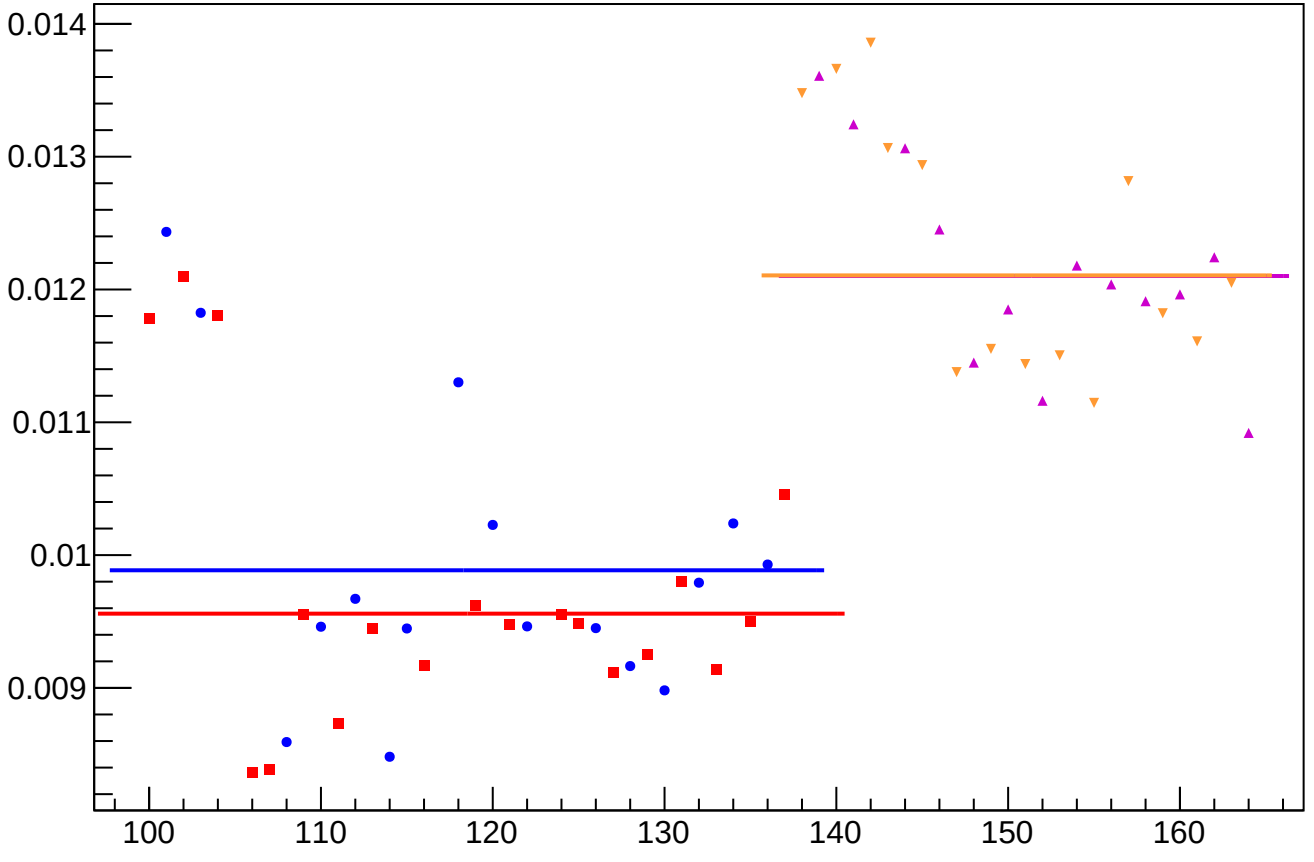
Left In: -0.092+/-0.000 χ^2/NDF:6491491859.5/12

+ sign 0.028+/-0.000 χ^2/NDF: 11378634833.0/29

All: 0.036+/-0.000 χ^2/NDF: 21273382139.5/6

- 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:101954.8/13

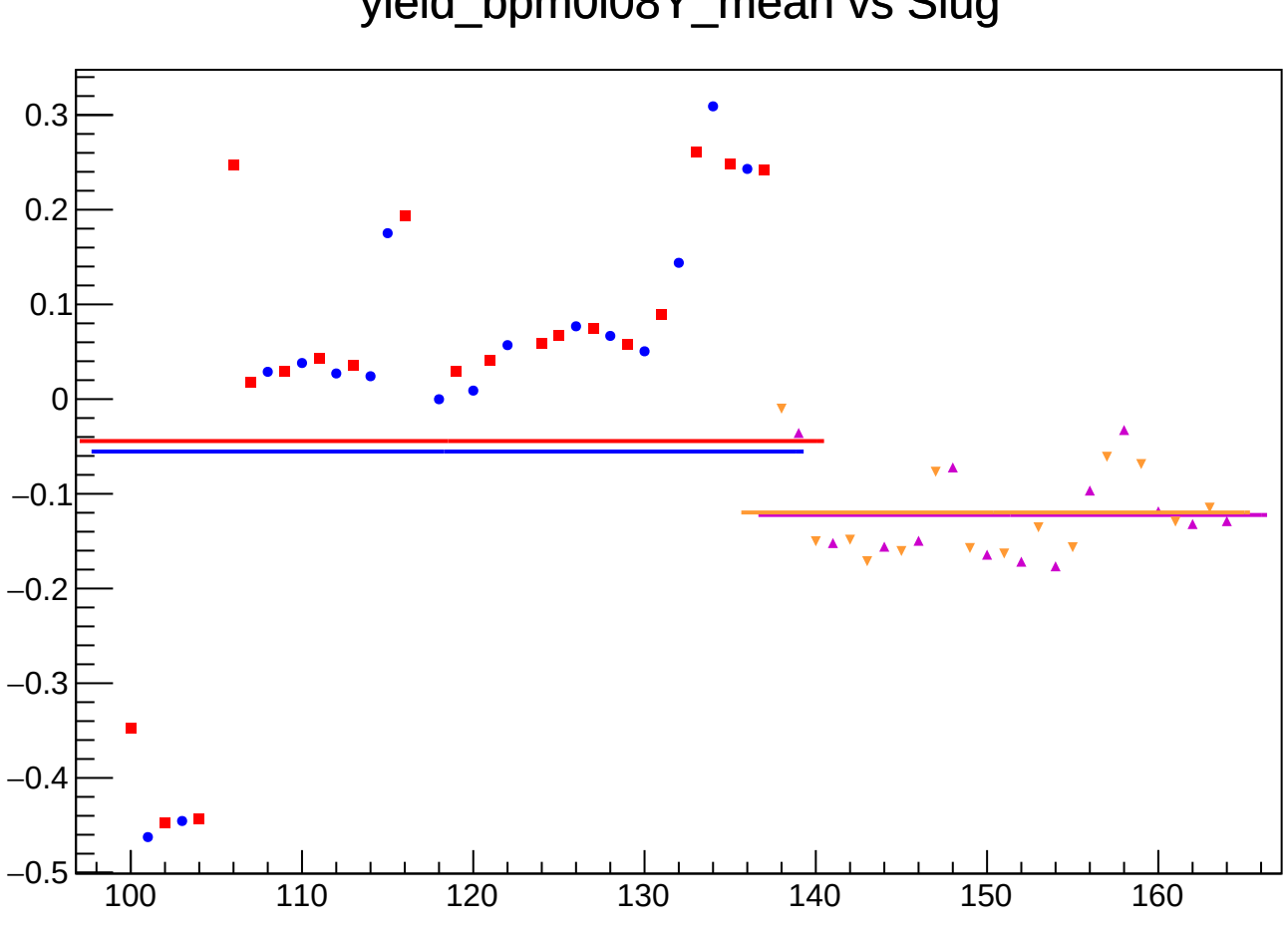
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:74399.9/12

+ sign 0.011+/-0.000 χ^2/NDF: 599767.8/29

All: 0.011+/-0.000 χ^2/NDF: 1299705.5/61

- 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: -0.120+/-0.000 χ^2/NDF:2710685750.2/13

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

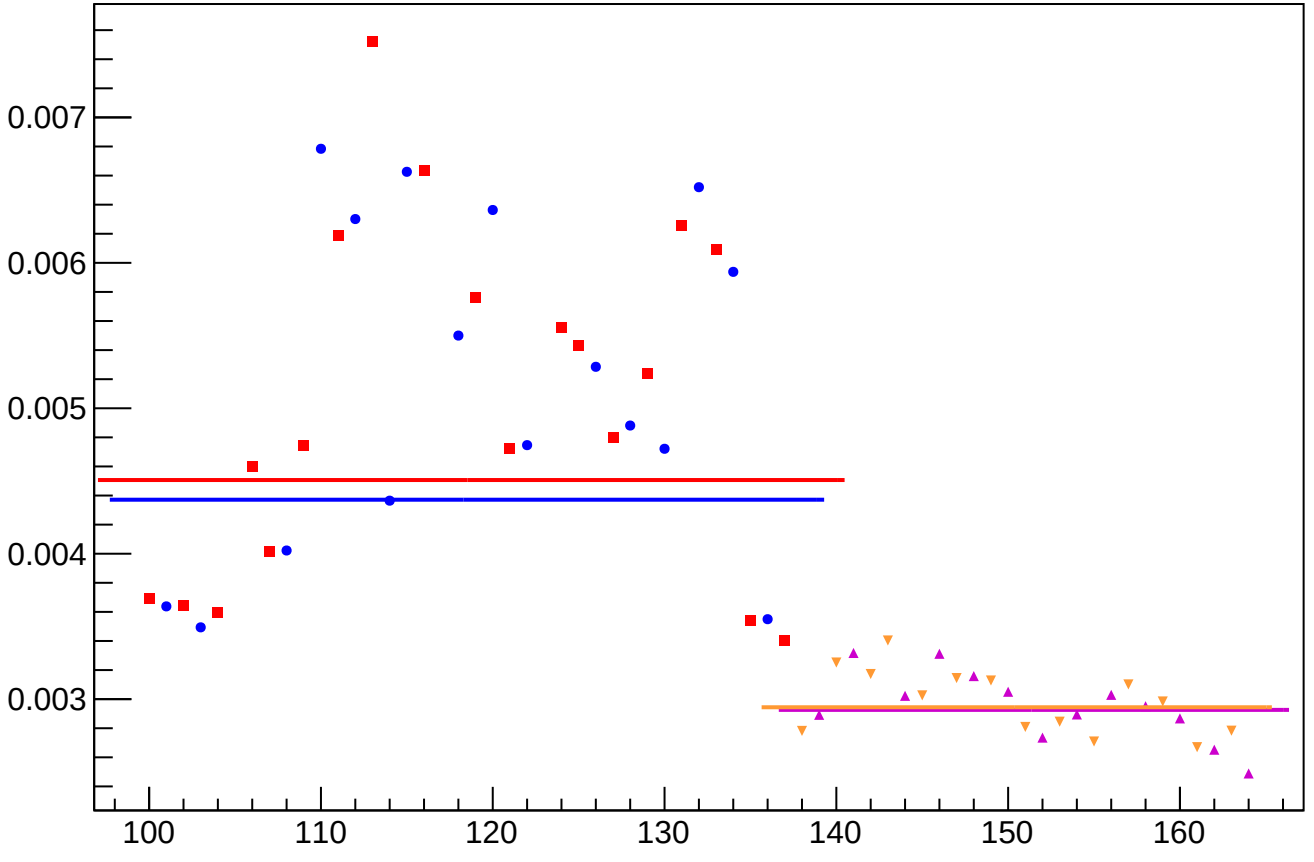
Left In: -0.122+/-0.000 χ^2/NDF:2738486736.5/12

+ sign -0.106+/-0.000 χ^2/NDF: 27841270646.0/29

All: -0.106+/-0.000 χ^2/NDF: 54236669820.5/

- 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:106396.9/13

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

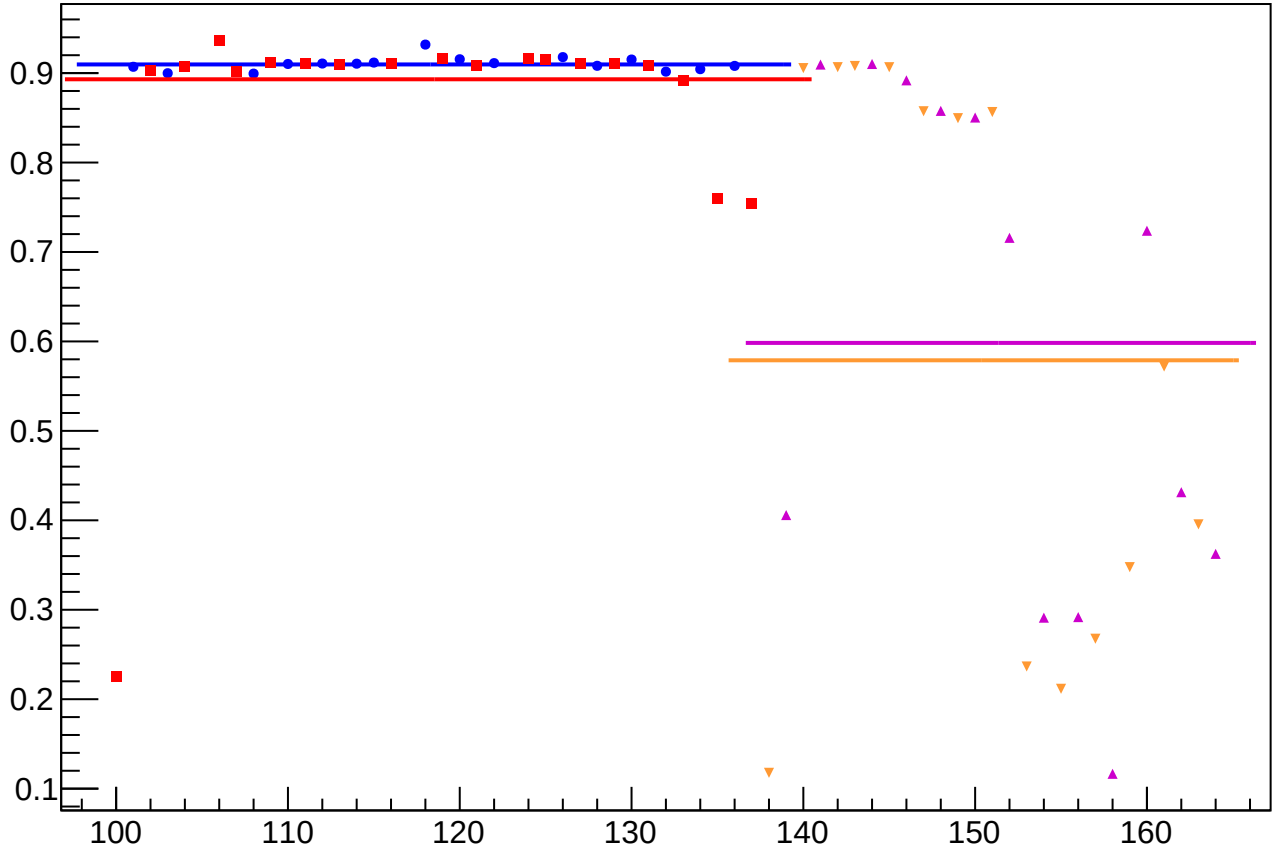
Left In: 0.003+/-0.000 χ^2/NDF:121296.2/12

+ sign 0.003+/-0.000 χ^2/NDF: 1797234.4/29

All: 0.003+/-0.000 χ^2/NDF: 3870327.3/61

- 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: 0.579+/-0.000 χ^2/NDF:6770116060.5/13

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

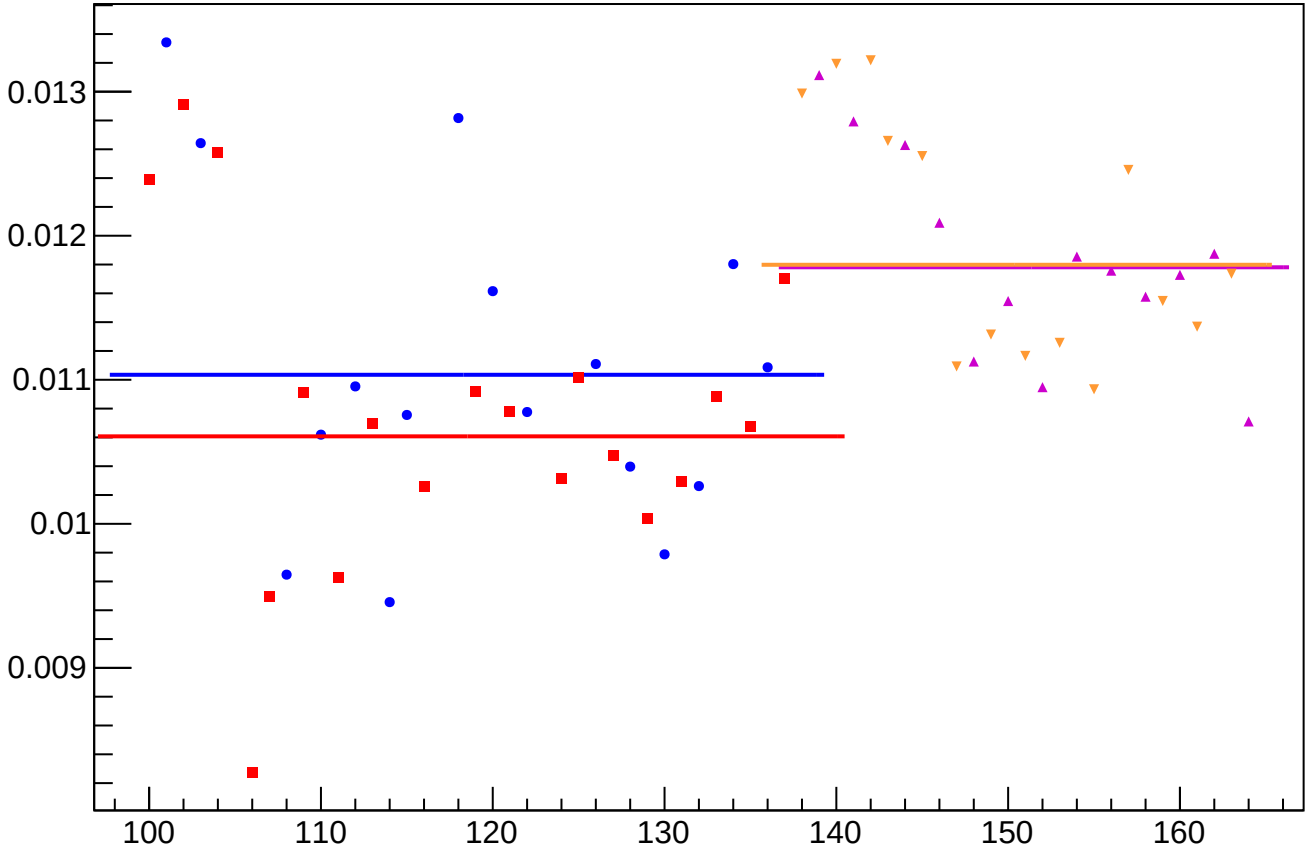
Left In: 0.598+/-0.000 χ^2/NDF:5703541805.9/12

+ sign 0.720+/-0.000 χ^2/NDF: 10312590165.0/29

All: 0.727+/-0.000 χ^2/NDF: 19354084853.7/6

- 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:86796.9/13

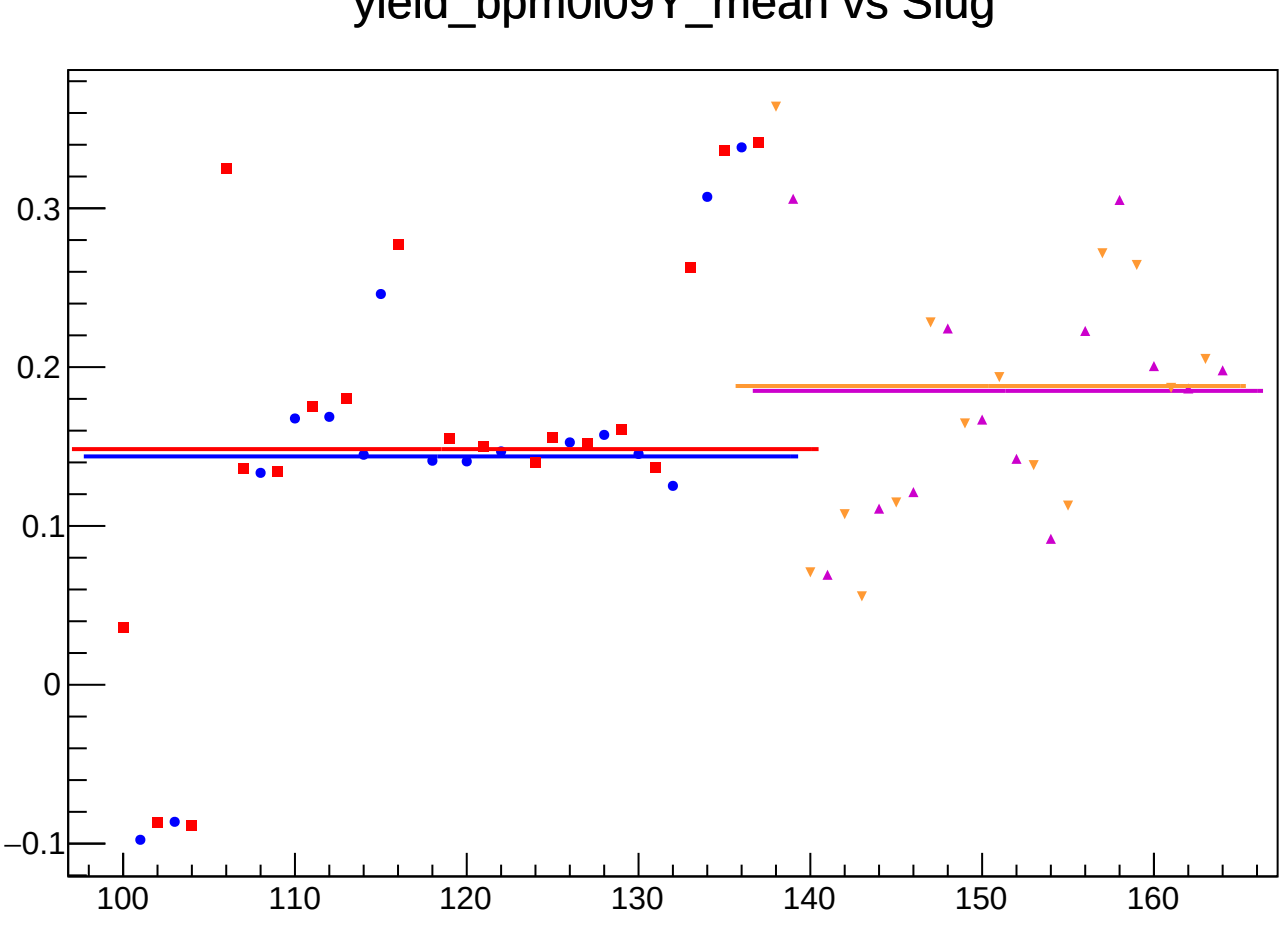
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:64071.1/12

+ sign 0.011+/-0.000 χ^2/NDF: 254881.8/29

All: 0.011+/-0.000 χ^2/NDF: 565275.1/61

- 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: 0.188+/-0.000 χ^2/NDF:5867066837.4/13

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

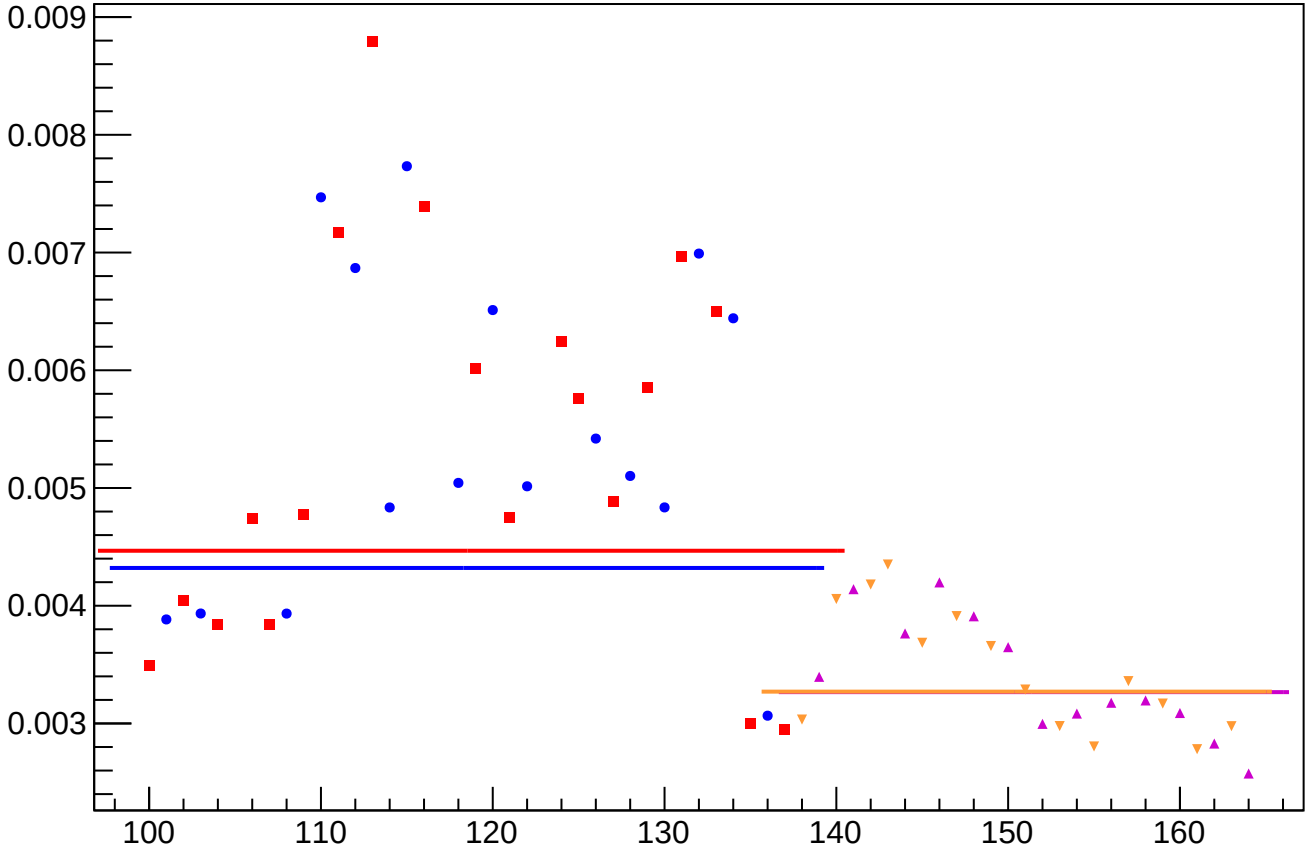
Left In: 0.185+/-0.000 χ^2/NDF:4403906918.7/12

+ sign 0.177+/-0.000 χ^2/NDF: 14189250927.2/29

All: 0.177+/-0.000 χ^2/NDF: 26025217050.6/6

- 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:386638.9/13

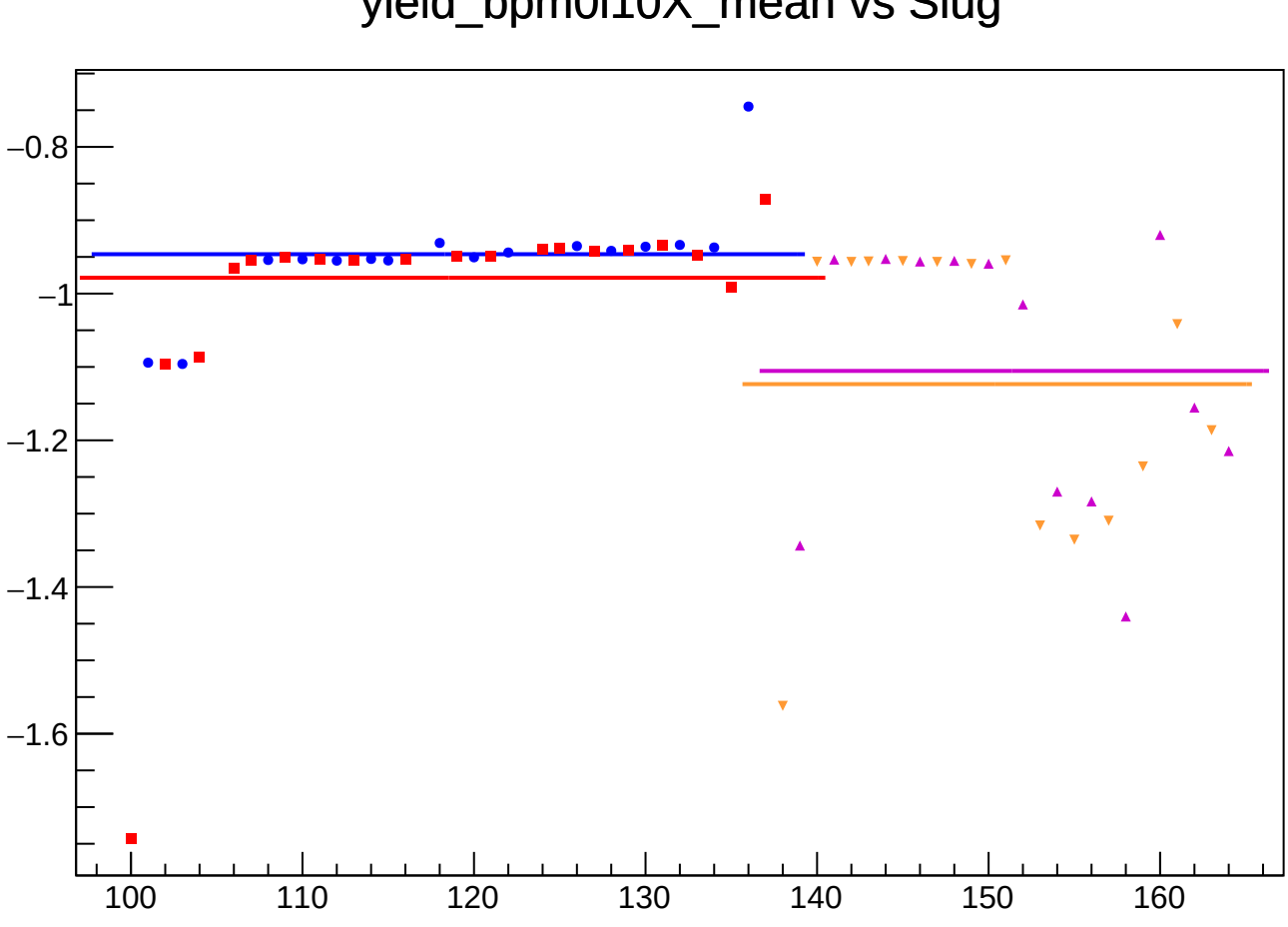
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:379257.5/12

+ sign 0.004+/-0.000 χ^2/NDF: 1775900.0/29

All: 0.004+/-0.000 χ^2/NDF: 3891635.5/61

- 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: -1.123+/-0.000 χ^2/NDF:3380702375.9/13

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

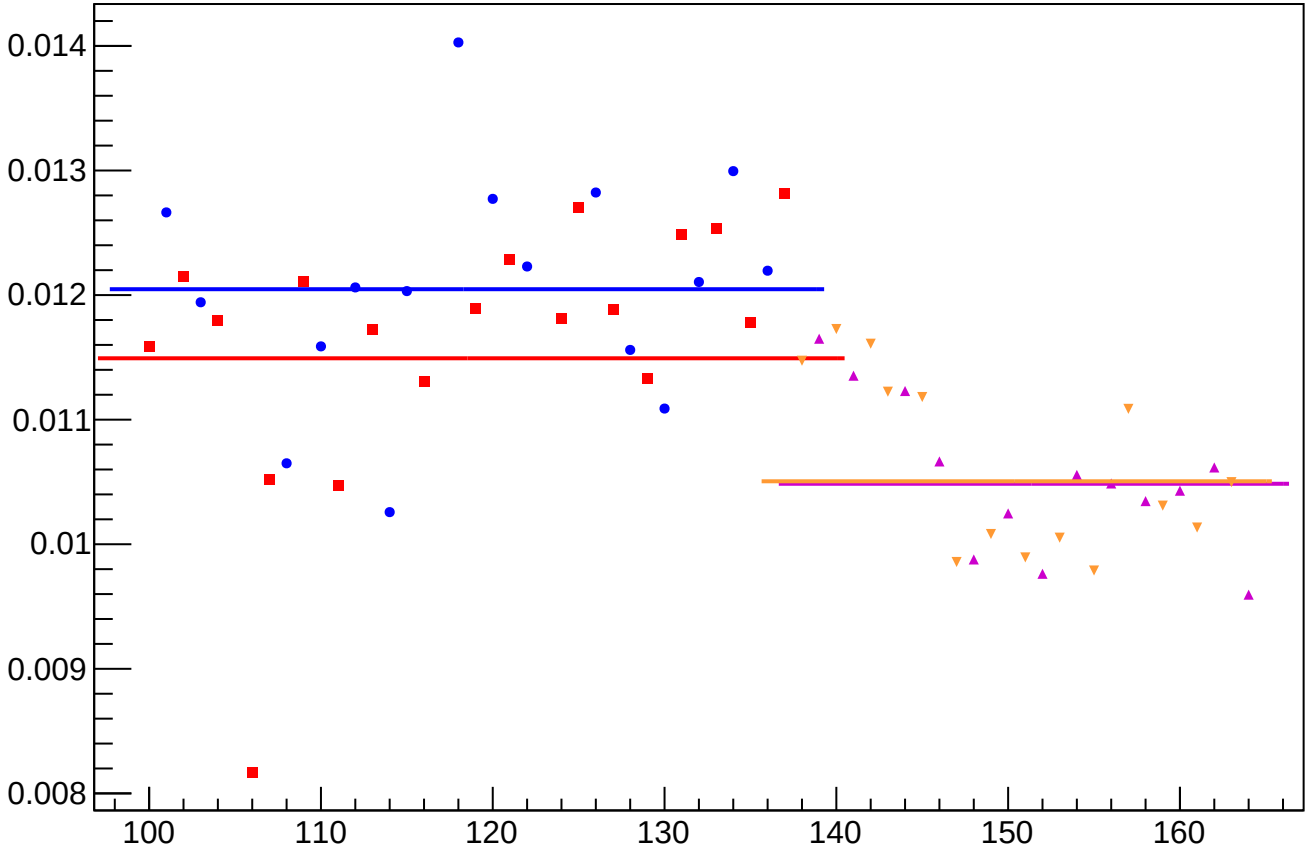
Left In: -1.105+/-0.000 χ^2/NDF:2909341666.3/12

+ sign -1.065+/-0.000 χ^2/NDF: 4780470997.5/29

All: -1.062+/-0.000 χ^2/NDF: 8709610158.6/6

- 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: 0.011+/-0.000 χ^2/NDF:81283.6/13

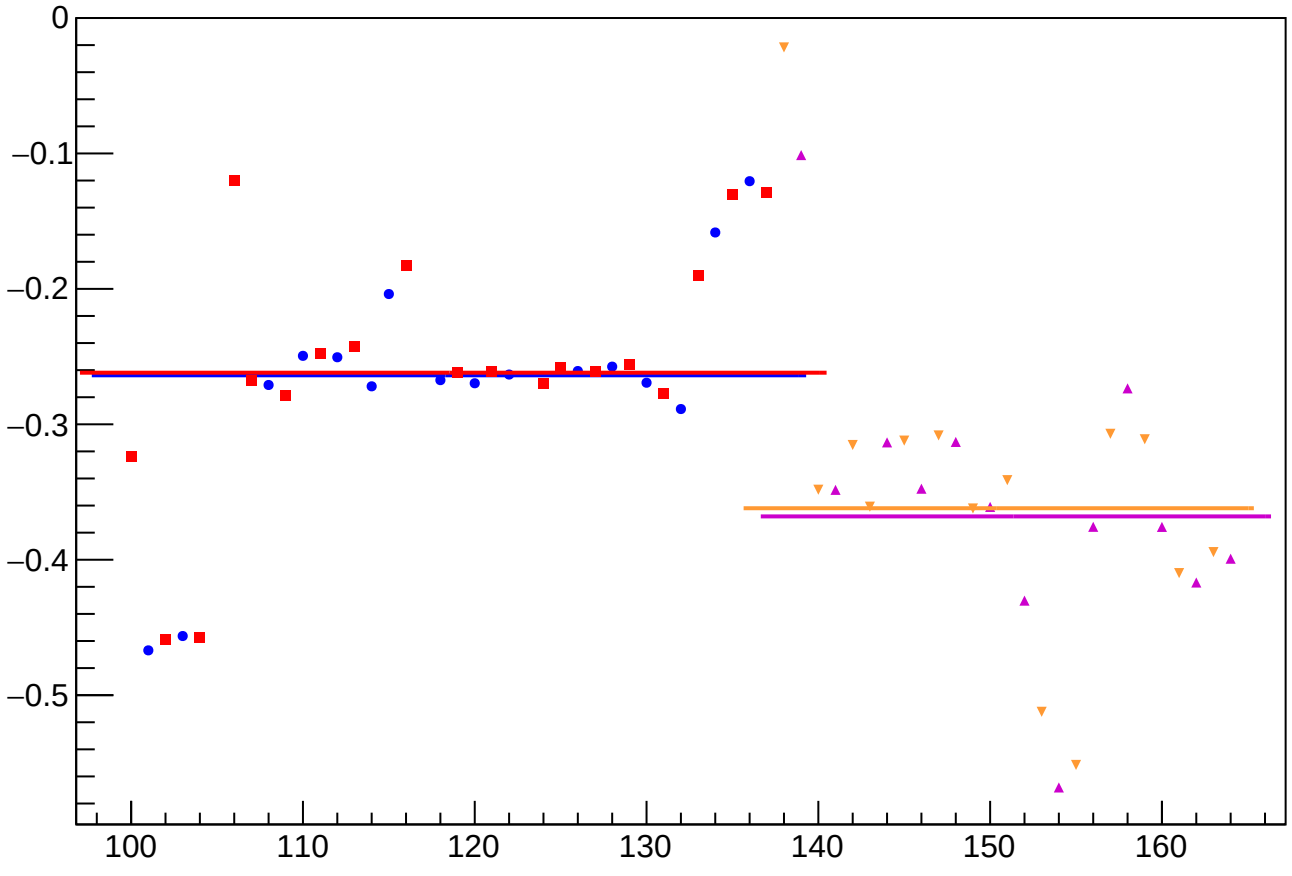
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:60951.9/12

+ sign 0.011+/-0.000 χ^2/NDF: 294604.7/29

All: 0.011+/-0.000 χ^2/NDF: 580730.9/61

- 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: -0.362+/-0.000 χ^2/NDF:11565591399.4/13

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

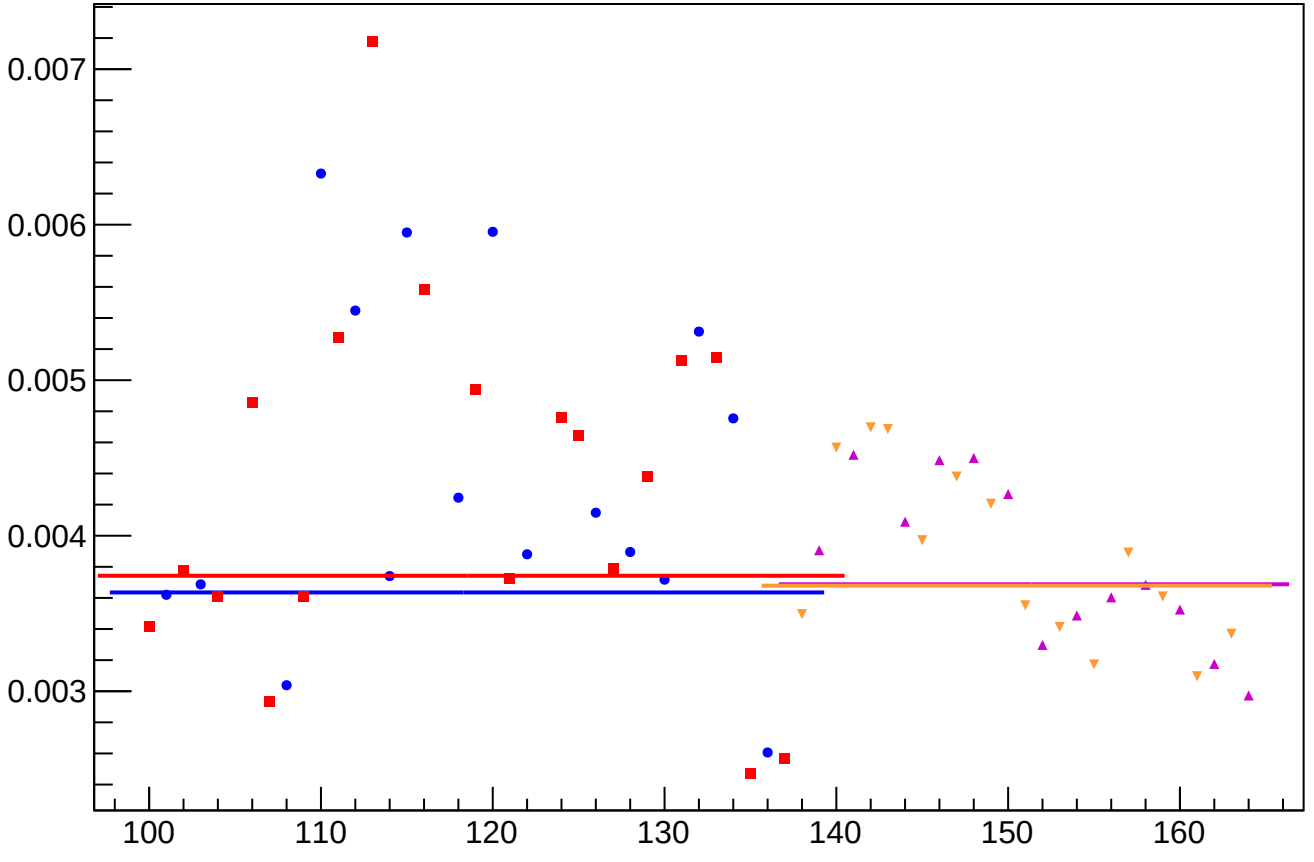
Left In: -0.368+/-0.000 χ^2/NDF:7543388795.1/12

+ sign -0.325+/-0.000 χ^2/NDF: 20309376337.7/29

All: -0.327+/-0.000 χ^2/NDF: 36129556501.4/

- 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:348194.1/13

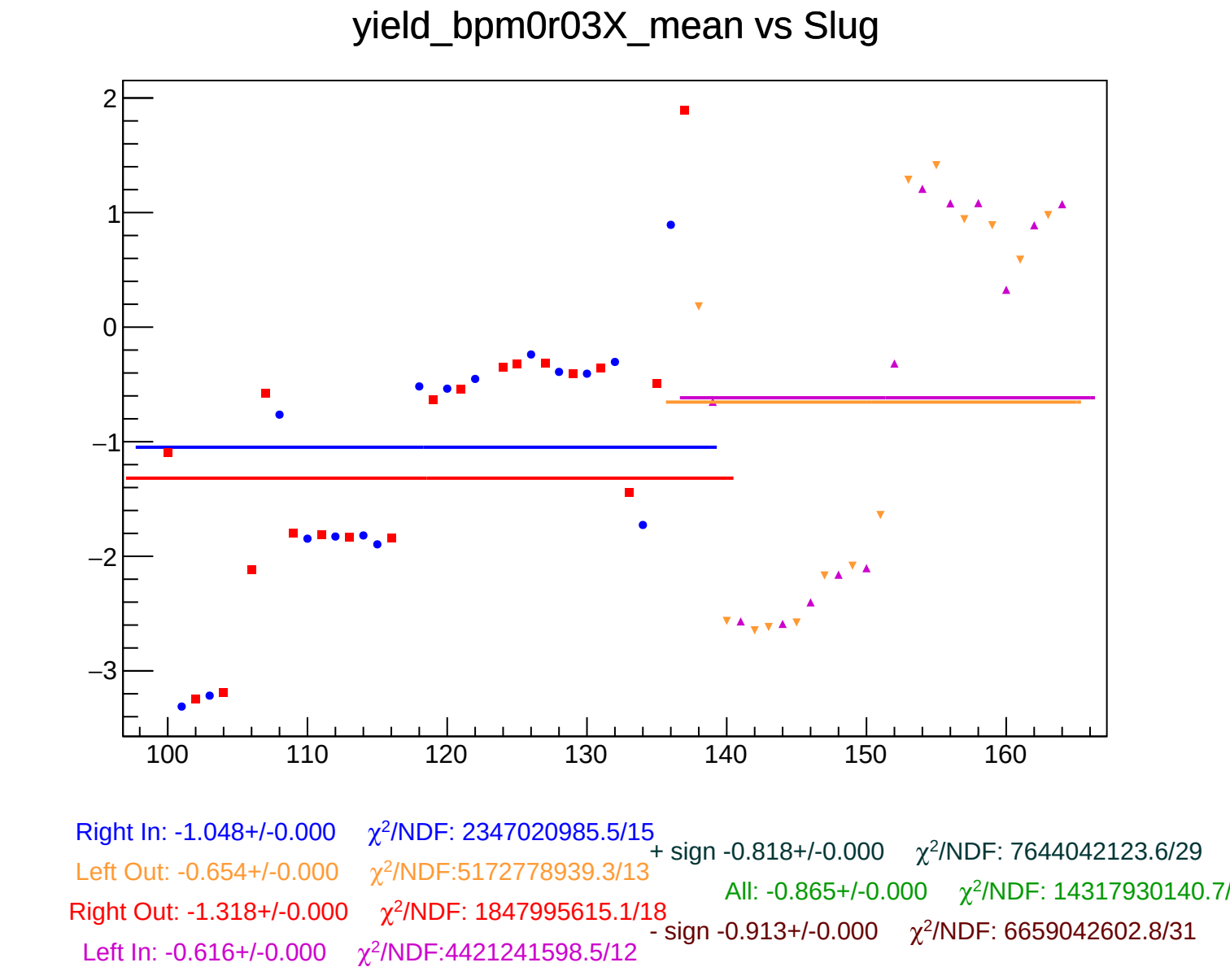
Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:333822.8/12

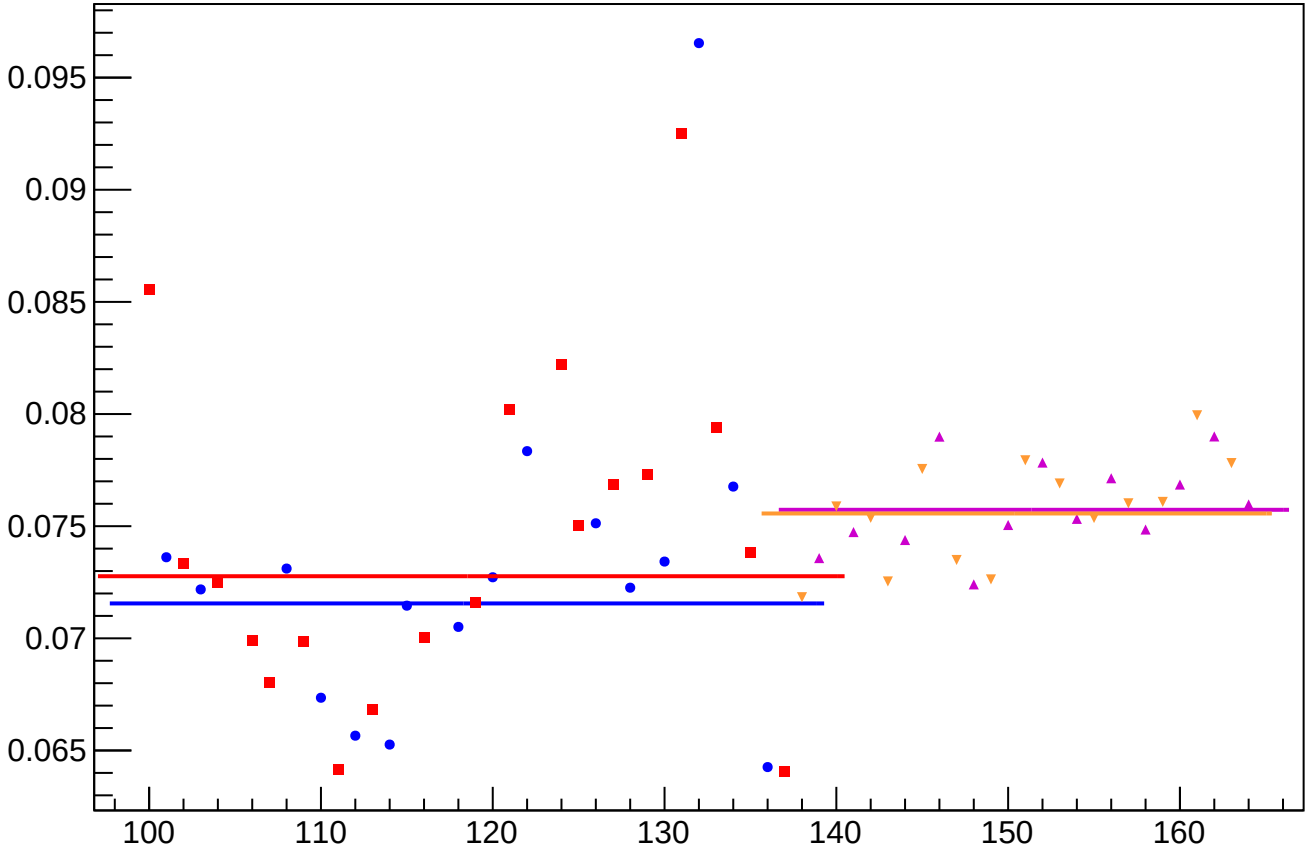
+ sign 0.004+/-0.000 χ^2/NDF: 1077829.1/29

All: 0.004+/-0.000 χ^2/NDF: 2309875.4/61

- sign 0.004+/-0.000 χ^2/NDF: 1229626.8/31


yield_bpm0r03X_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -1.048+/-0.000 χ²/NDF: 2347020985.5/15
Left Out: -0.654+/-0.000 χ²/NDF:5172778939.3/13
Right Out: -1.318+/-0.000 χ²/NDF: 1847995615.1/18
Left In: -0.616+/-0.000 χ²/NDF:4421241598.5/12
+ sign -0.818+/-0.000 χ²/NDF: 7644042123.6/29
All: -0.865+/-0.000 χ²/NDF: 14317930140.7/
- sign -0.913+/-0.000 χ²/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:20452.6/13

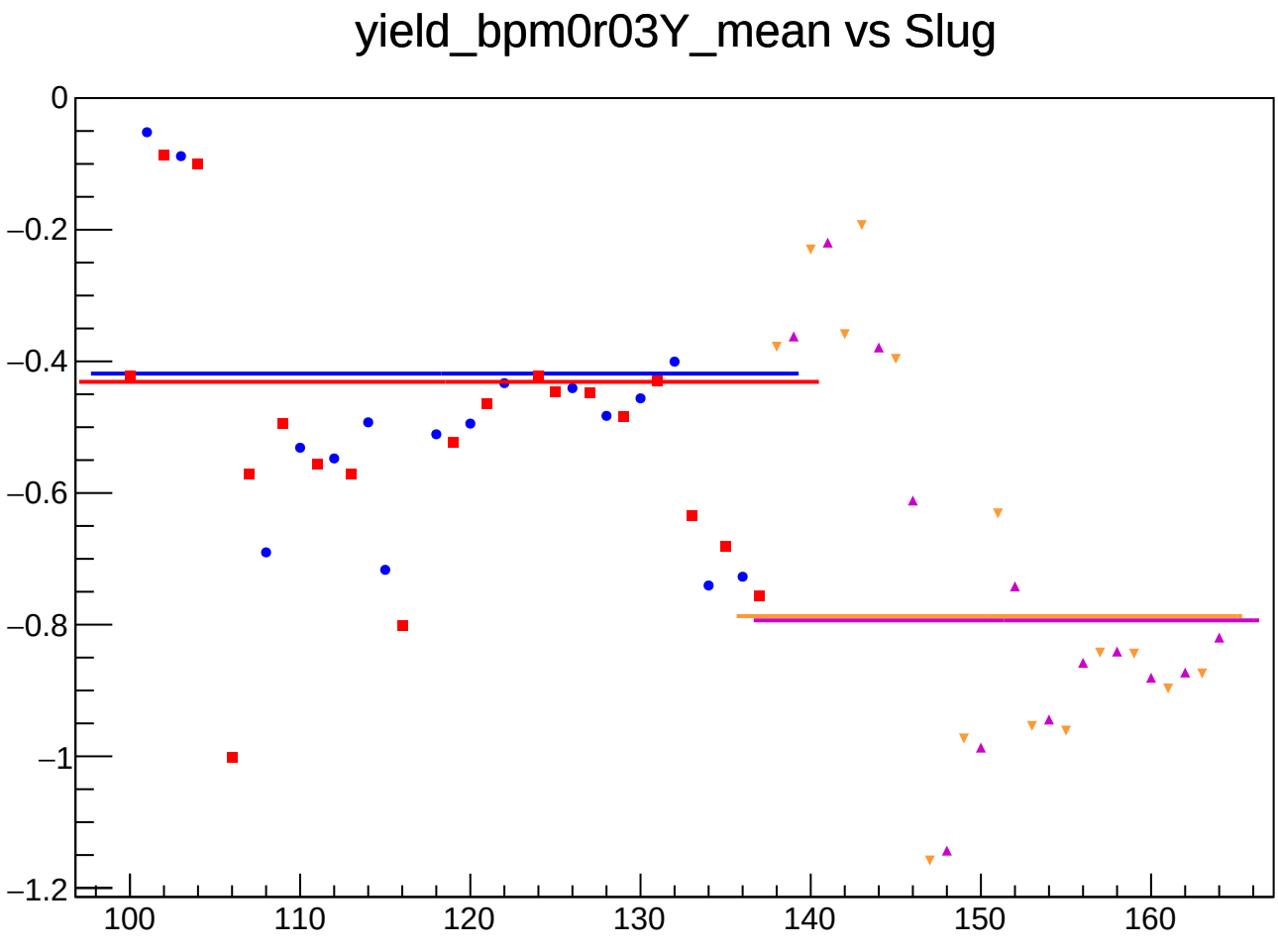
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13892.3/12

+ sign 0.074+/-0.000 χ^2/NDF: 147427.1/29

All: 0.074+/-0.000 χ^2/NDF: 273164.7/61

- 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: -0.787+/-0.000 χ^2/NDF:13819446380.6/13

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

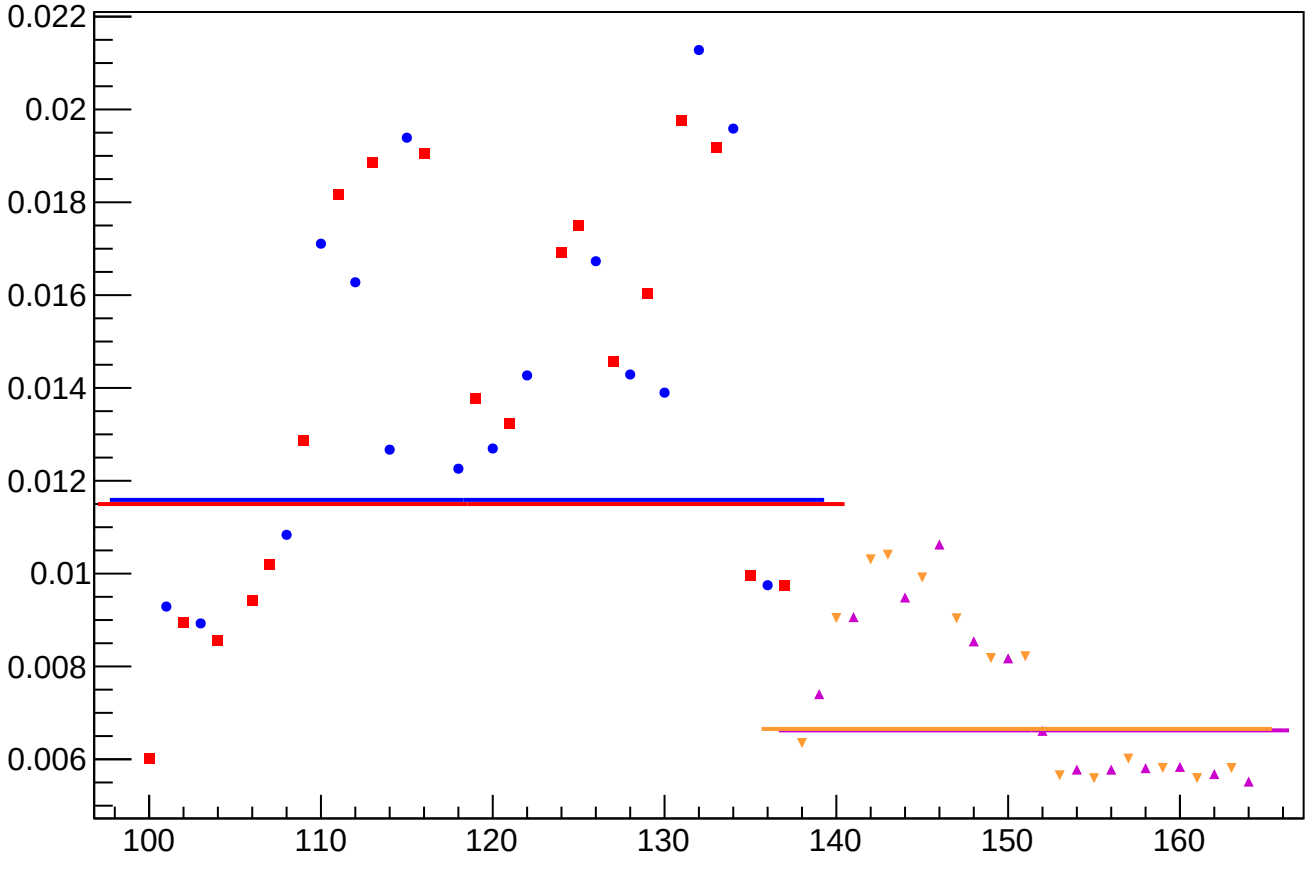
Left In: -0.793+/-0.000 χ^2/NDF:10432432838.5/12

+ sign -0.726+/-0.000 χ^2/NDF: 21923285693.2/29

All: -0.729+/-0.000 χ^2/NDF: 40518765045.1/

- 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:1014862.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

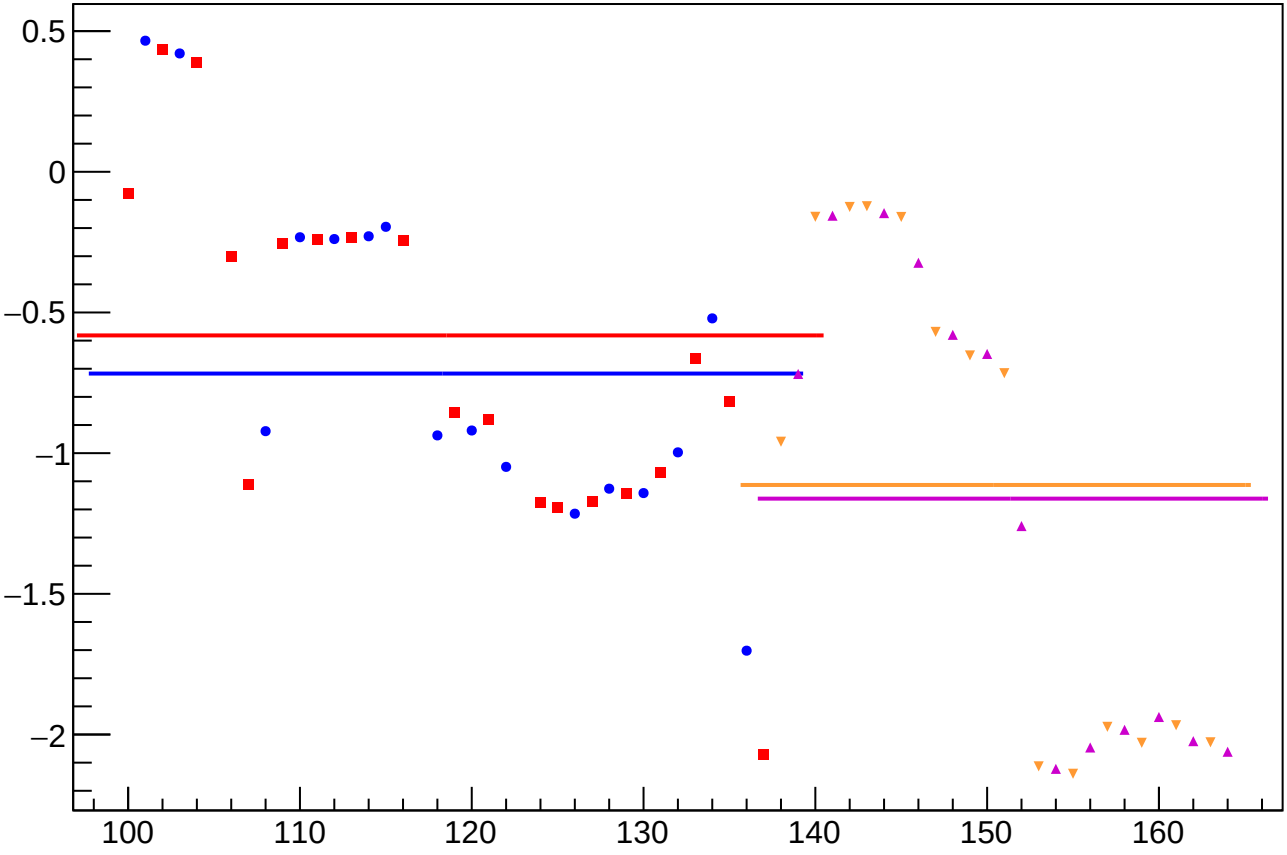
Left In: 0.007+/-0.000 χ^2/NDF:853398.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 3606474.9/29

All: 0.007+/-0.000 χ^2/NDF: 7421050.0/61

- 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: -1.113+/-0.000 χ^2/NDF:1011290351.9/13

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

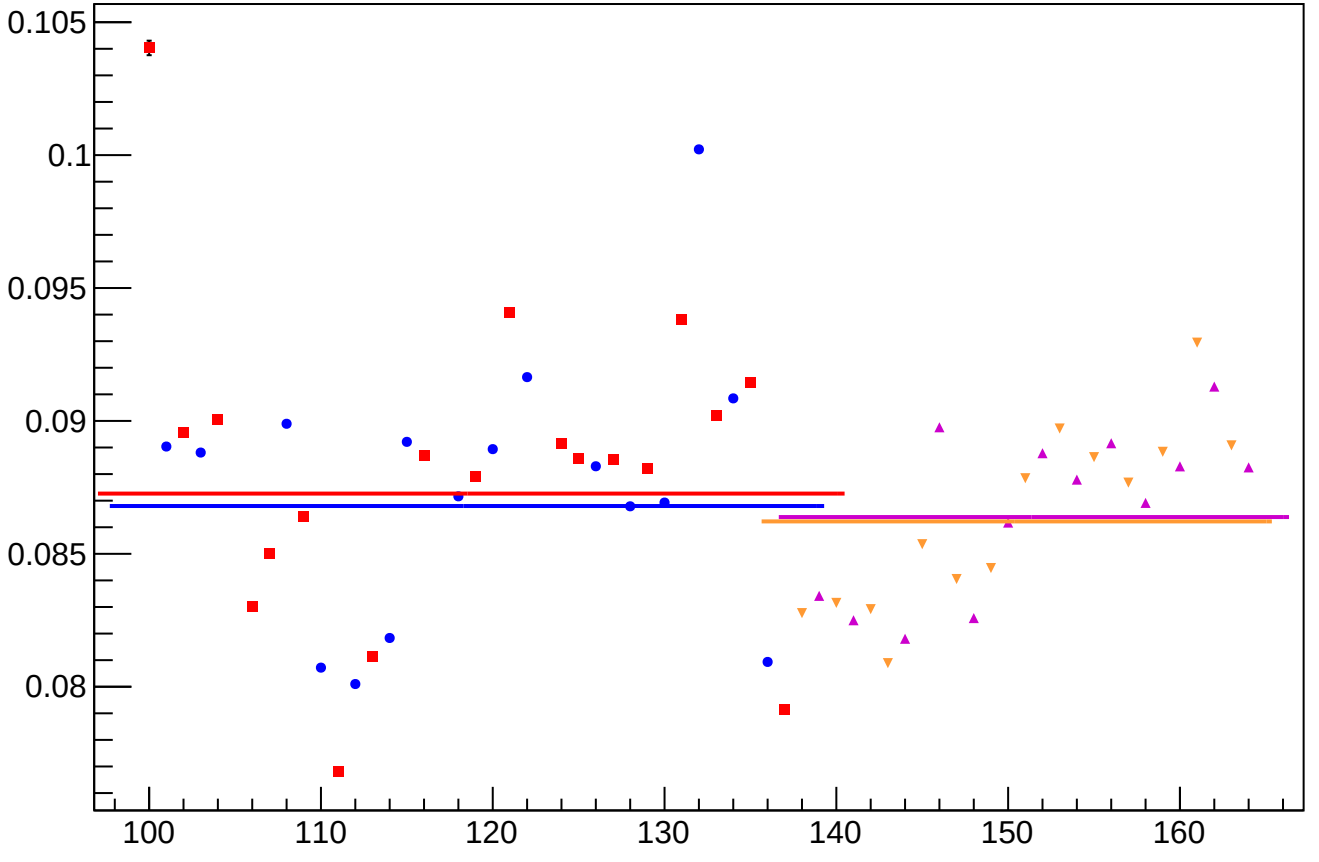
Left In: -1.162+/-0.000 χ^2/NDF:903677600.4/12

+ sign -0.959+/-0.000 χ^2/NDF: 1539941175.5/29

All: -0.944+/-0.000 χ^2/NDF: 2983609782.8/6

- 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:31815.6/13

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

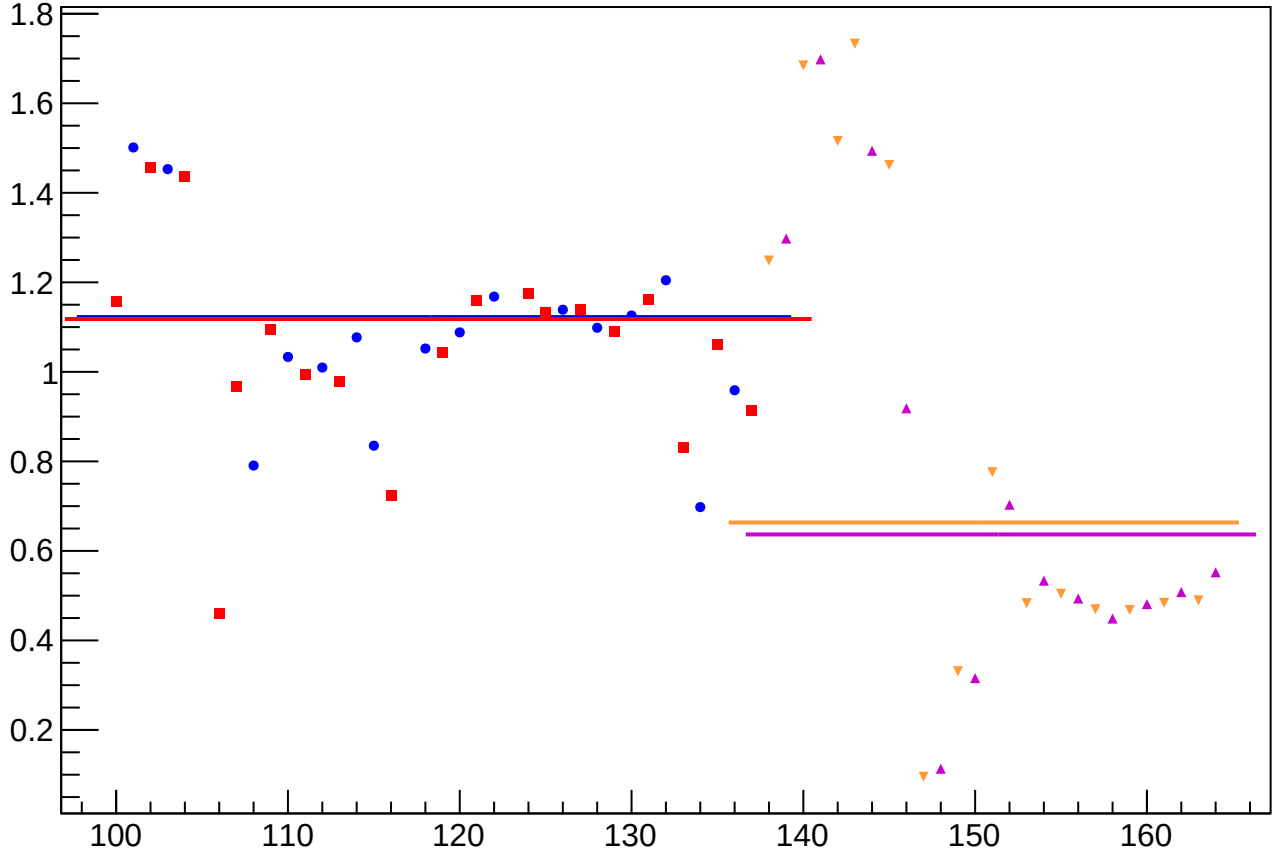
Left In: 0.086+/-0.000 χ^2/NDF:26898.5/12

+ sign 0.086+/-0.000 χ^2/NDF: 75781.7/29

All: 0.087+/-0.000 χ^2/NDF: 149965.5/61

- 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: 0.663+/-0.000 χ^2/NDF:27792092492.3/13

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

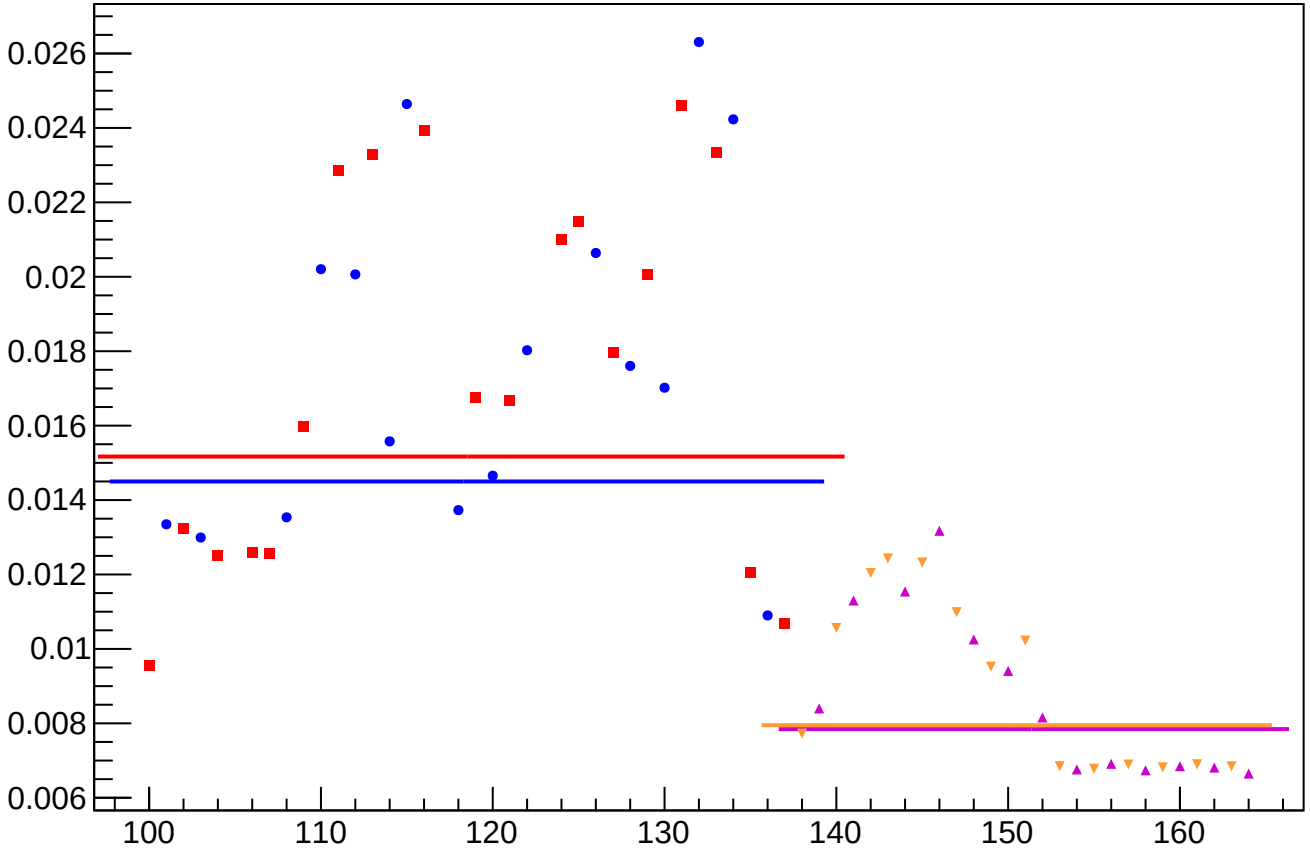
Left In: 0.637+/-0.000 χ^2/NDF:21783941220.1/12

+ sign 0.733+/-0.000 χ^2/NDF: 34325078755.7/29

All: 0.719+/-0.000 χ^2/NDF: 63048973858.3/6

- 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:1044688.7/13

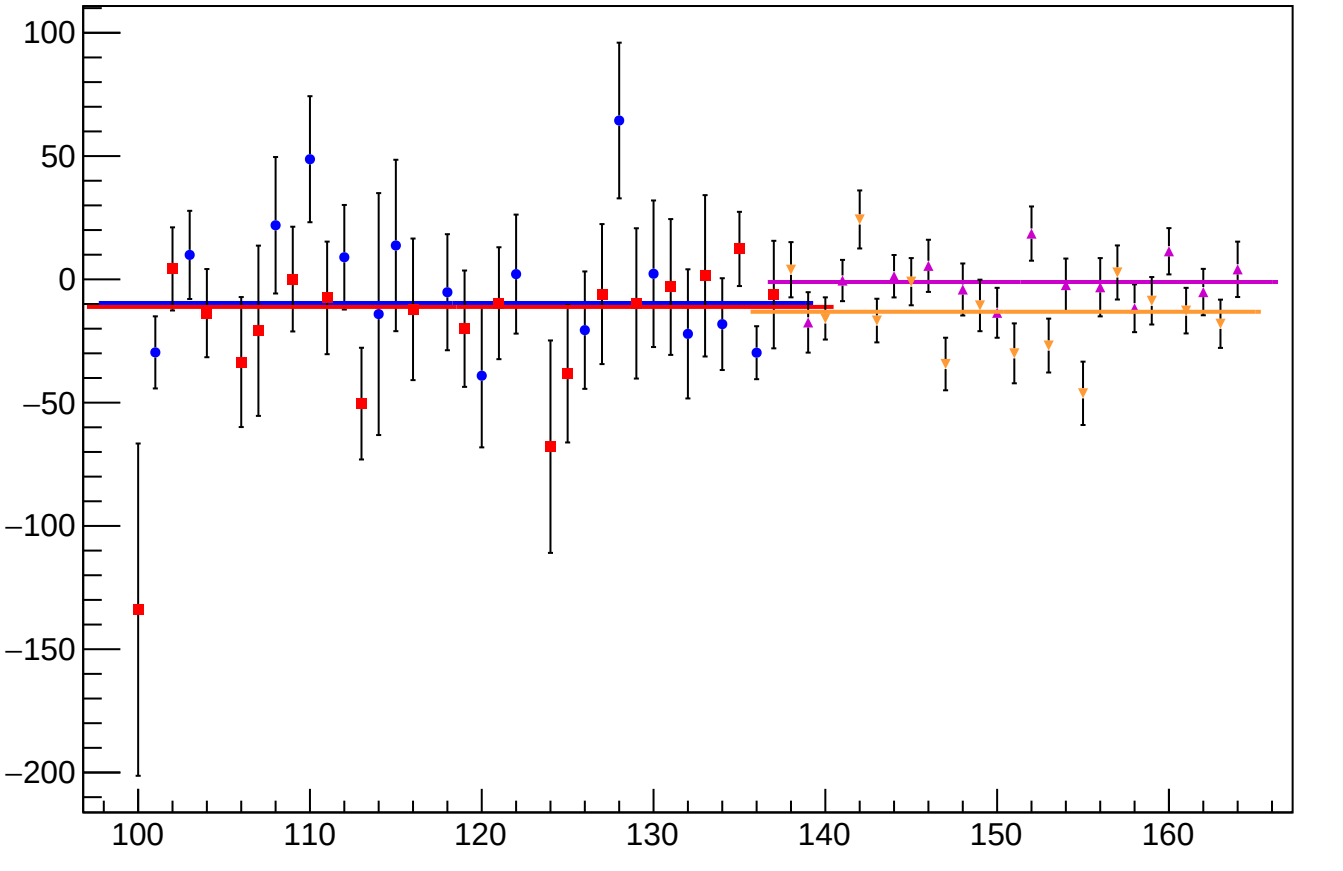
Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

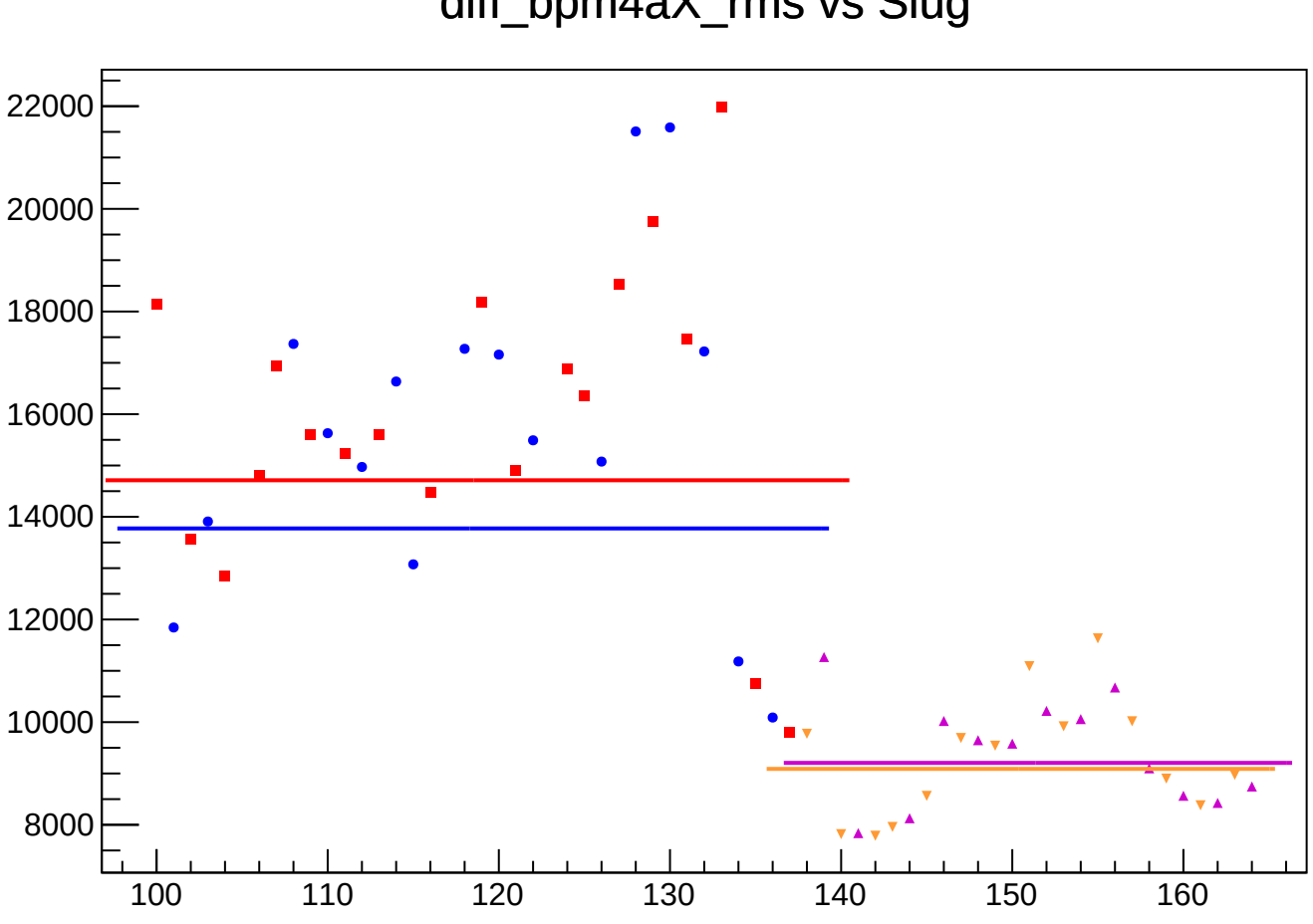
Left In: 0.008+/-0.000 χ^2/NDF:932476.2/12

+ sign 0.009+/-0.000 χ^2/NDF: 3823743.7/29

All: 0.009+/-0.000 χ^2/NDF: 8076152.4/61

- sign 0.009+/-0.000 χ^2/NDF: 4251853.8/31


diff_bpm4aX_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: -9.581+/-5.291 χ²/NDF: 21.9/15
Left Out: -13.143+/-2.742 χ²/NDF:31.0/13
Right Out: -11.177+/-5.497 χ²/NDF: 13.9/18
Left In: -1.071+/-2.801 χ²/NDF:10.5/12
+ sign -12.389+/-2.435 χ²/NDF: 53.3/29
All: -7.886+/-1.743 χ²/NDF: 87.3/61
- sign -3.155+/-2.496 χ²/NDF: 27.0/31



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9089.275+/-1.939 χ^2/NDF:296220.8/13

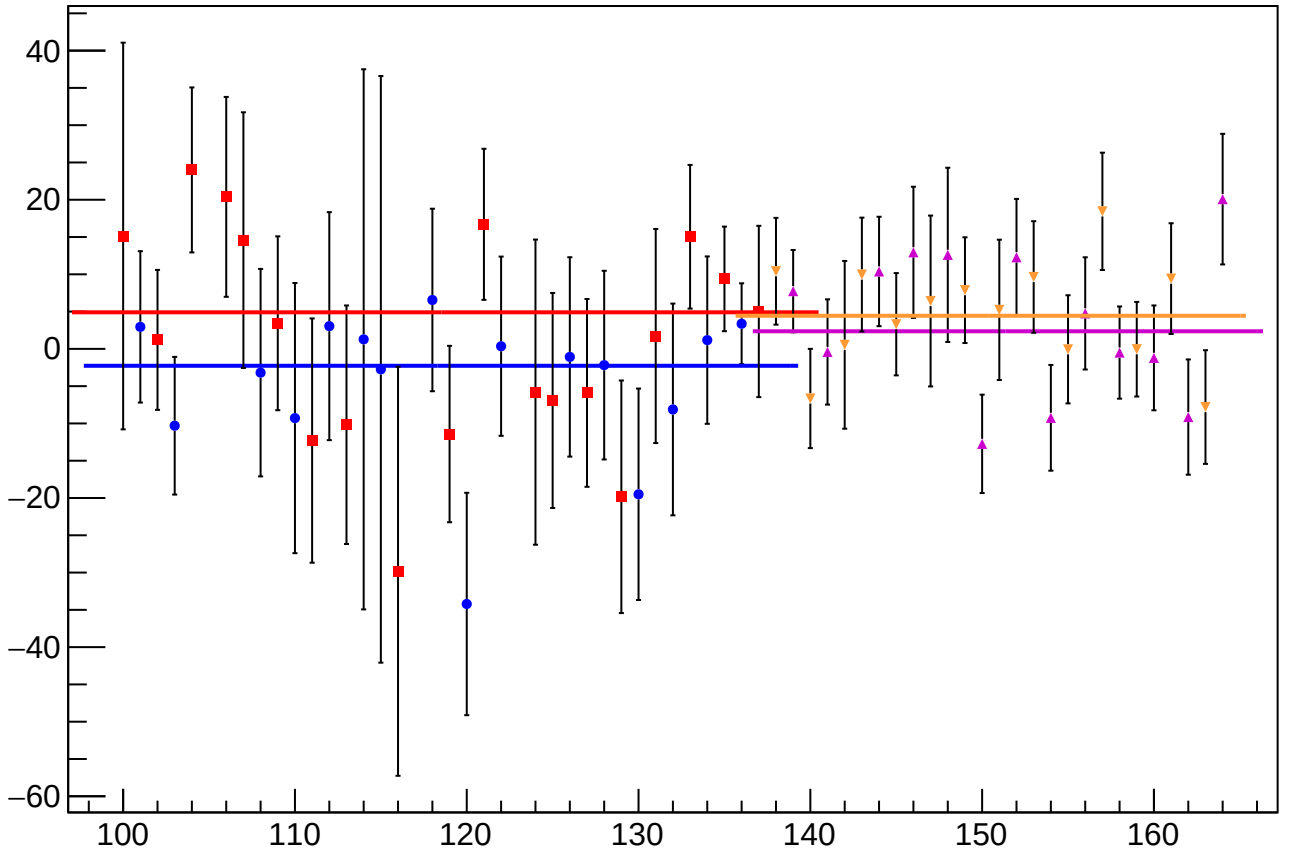
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9206.230+/-1.981 χ^2/NDF:246812.2/12

\+ sign 10081.435+/-1.722 χ^2/NDF: 2279738.3/29

All: 10208.178+/-1.232 χ^2/NDF: 4687729.4/6

\- sign 10341.371+/-1.765 χ^2/NDF: 2396876.8/31



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.441+/-2.039 χ^2/NDF:12.0/13

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

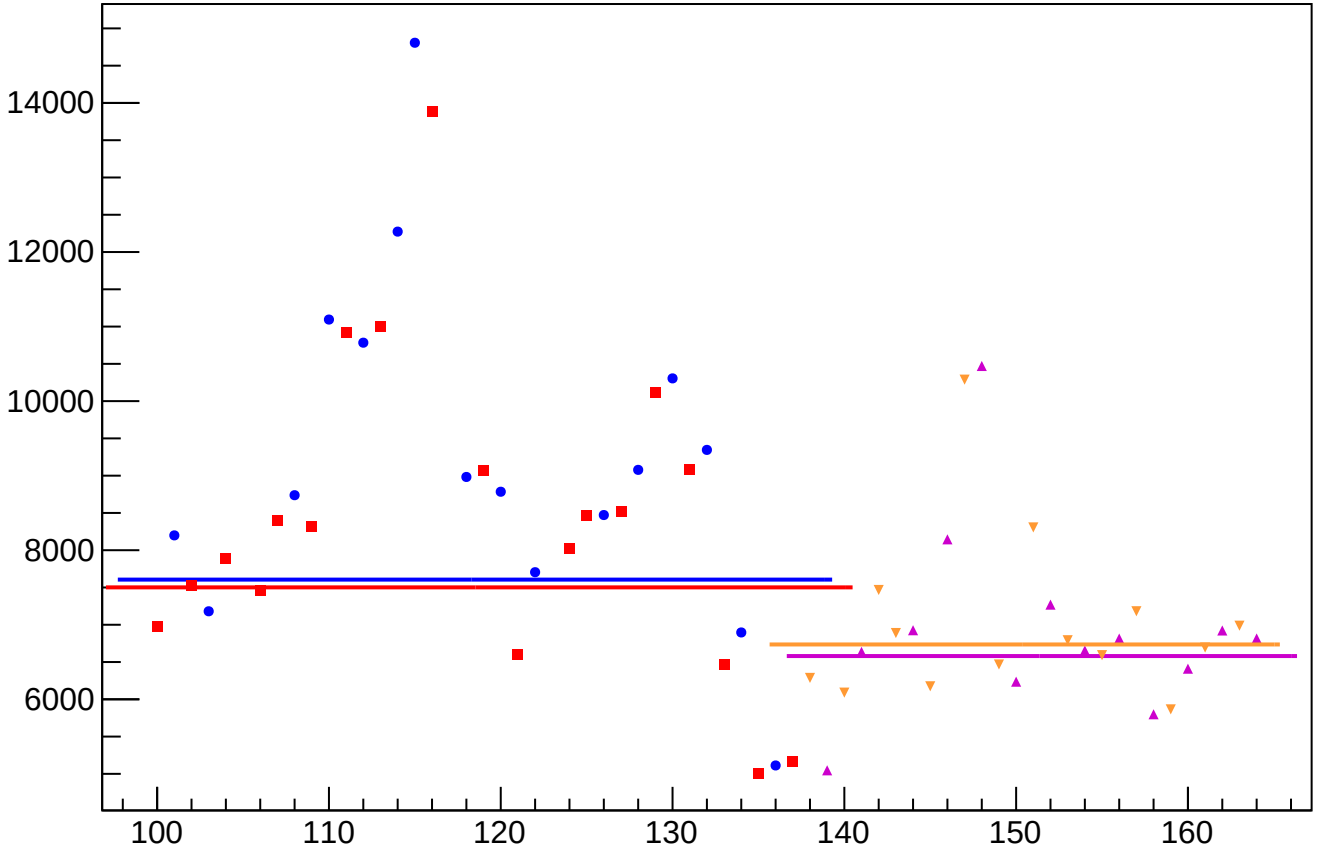
Left In: 2.360+/-2.021 χ^2/NDF:20.9/12

+ sign 2.244+/-1.672 χ^2/NDF: 24.8/29

All: 2.738+/-1.173 χ^2/NDF: 64.0/61

- 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: 6735.678+/-1.442 χ^2/NDF:347406.8/13

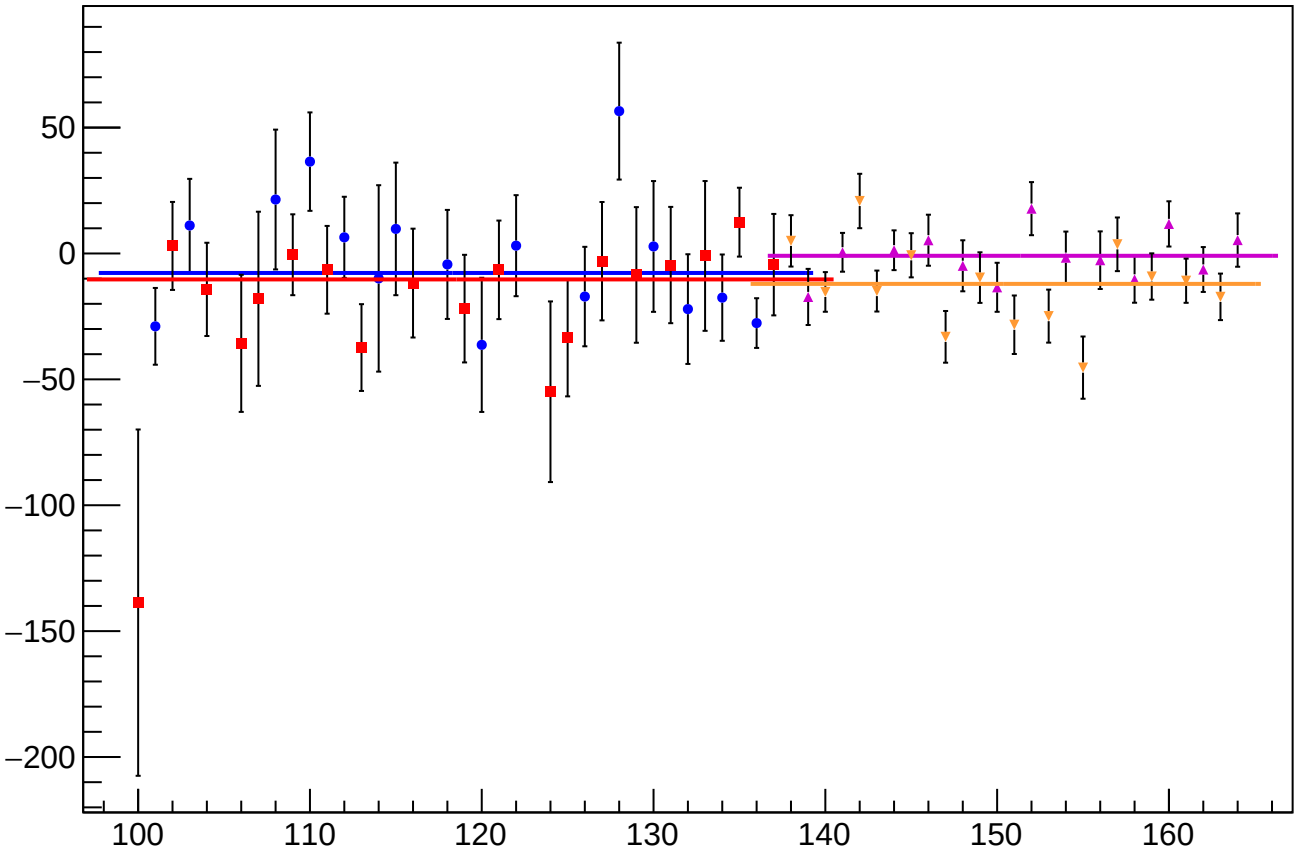
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6580.178+/-1.429 χ^2/NDF:505602.1/12

+ sign 7020.640+/-1.182 χ^2/NDF: 1358131.9/29

All: 6954.586+/-0.830 χ^2/NDF: 2833411.2/61

- sign 6890.588+/-1.164 χ^2/NDF: 1469135.8/31



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.081+/-2.581 χ^2/NDF:31.6/13

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

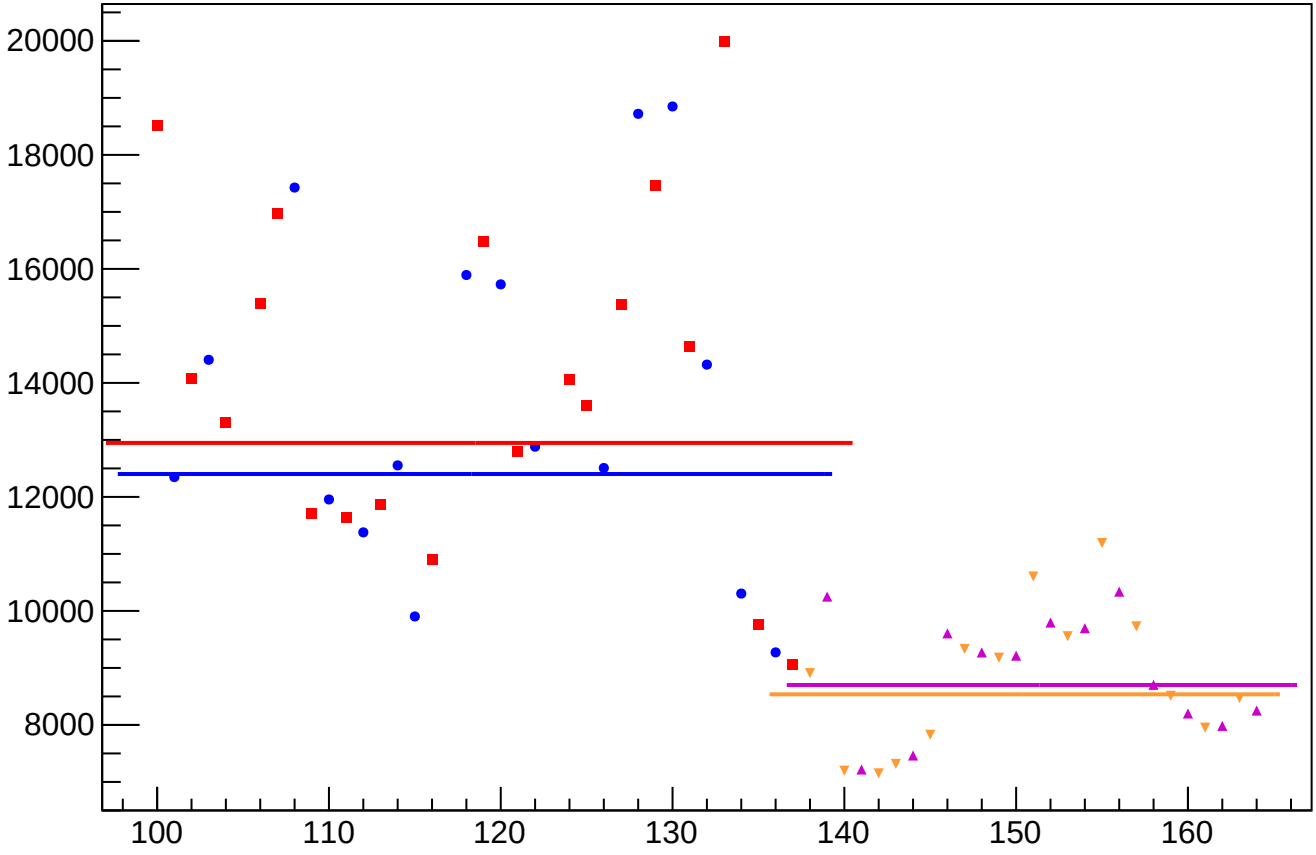
Left In: -0.922+/-2.650 χ^2/NDF:11.3/12

+ sign -11.091+/-2.268 χ^2/NDF: 54.9/29

All: -7.188+/-1.623 χ^2/NDF: 89.1/61

- 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: 8537.165+/-1.825 χ^2/NDF:380029.1/13

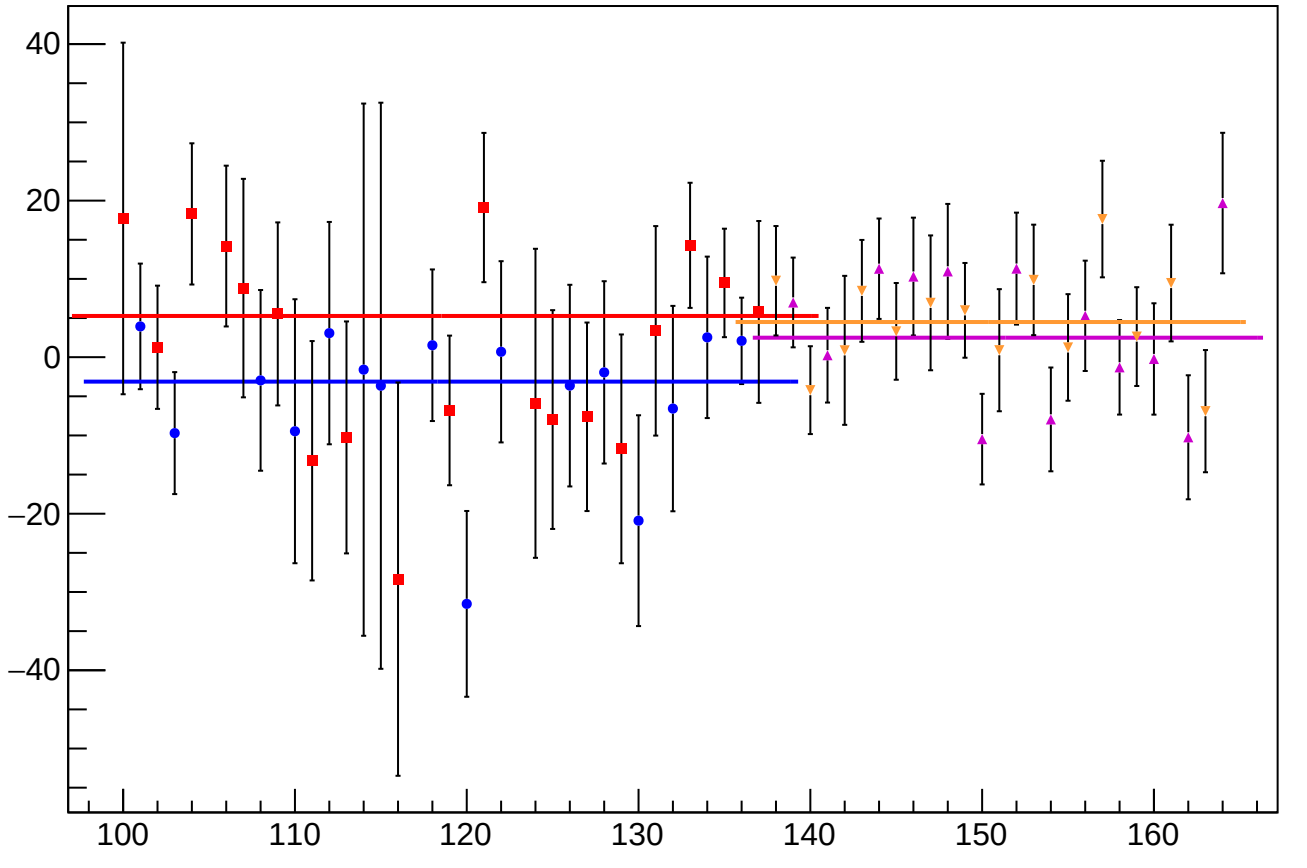
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8700.490+/-1.874 χ^2/NDF:293361.6/12

+ sign 9418.707+/-1.604 χ^2/NDF: 2081034.9/29

All: 9546.211+/-1.148 χ^2/NDF: 4127259.4/61

- sign 9680.180+/-1.644 χ^2/NDF: 2033258.9/31



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.492+/-1.859 χ^2/NDF:10.5/13

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

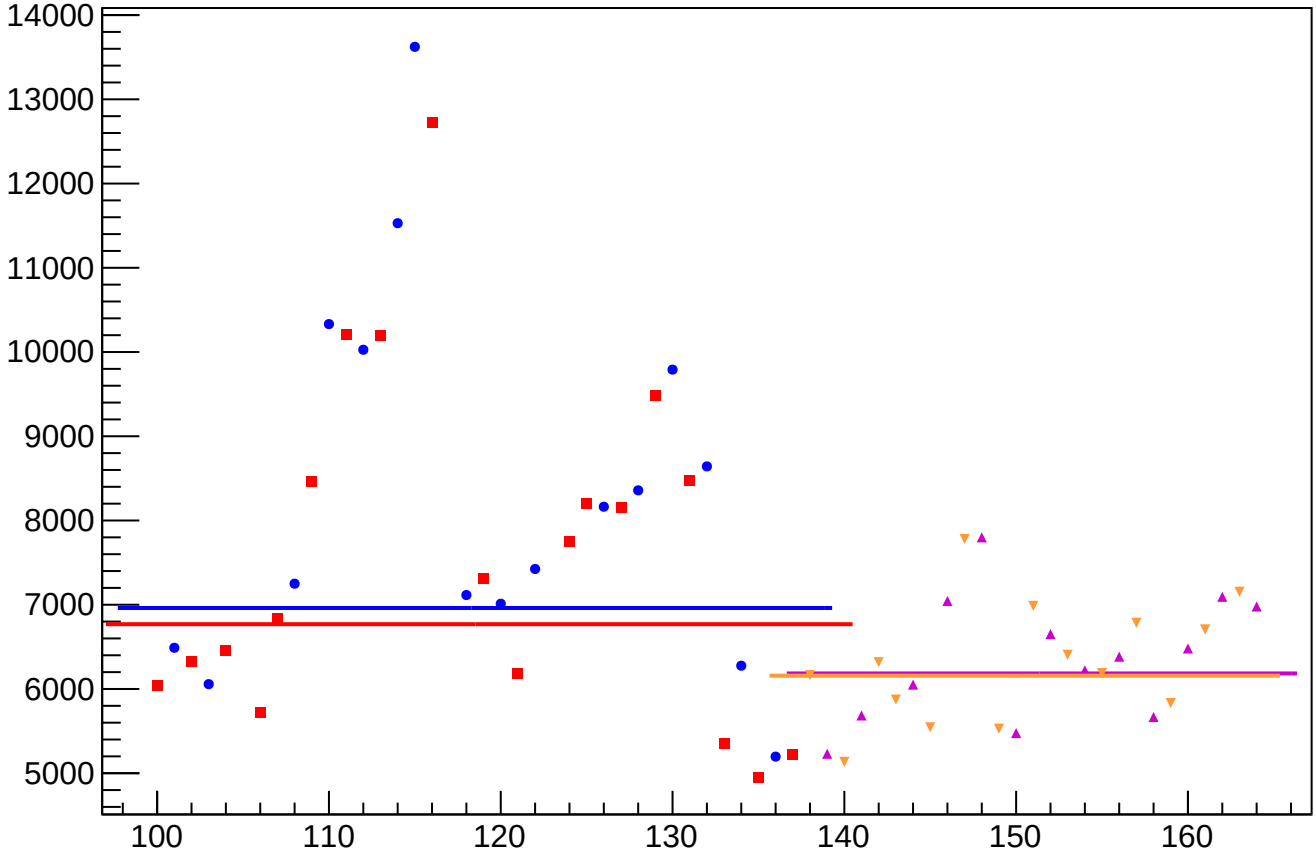
Left In: 2.488+/-1.887 χ^2/NDF:20.6/12

+ sign 1.988+/-1.523 χ^2/NDF: 26.9/29

All: 2.731+/-1.075 χ^2/NDF: 65.7/61

- 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: 6157.932+/-1.314 χ^2/NDF:271187.4/13

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

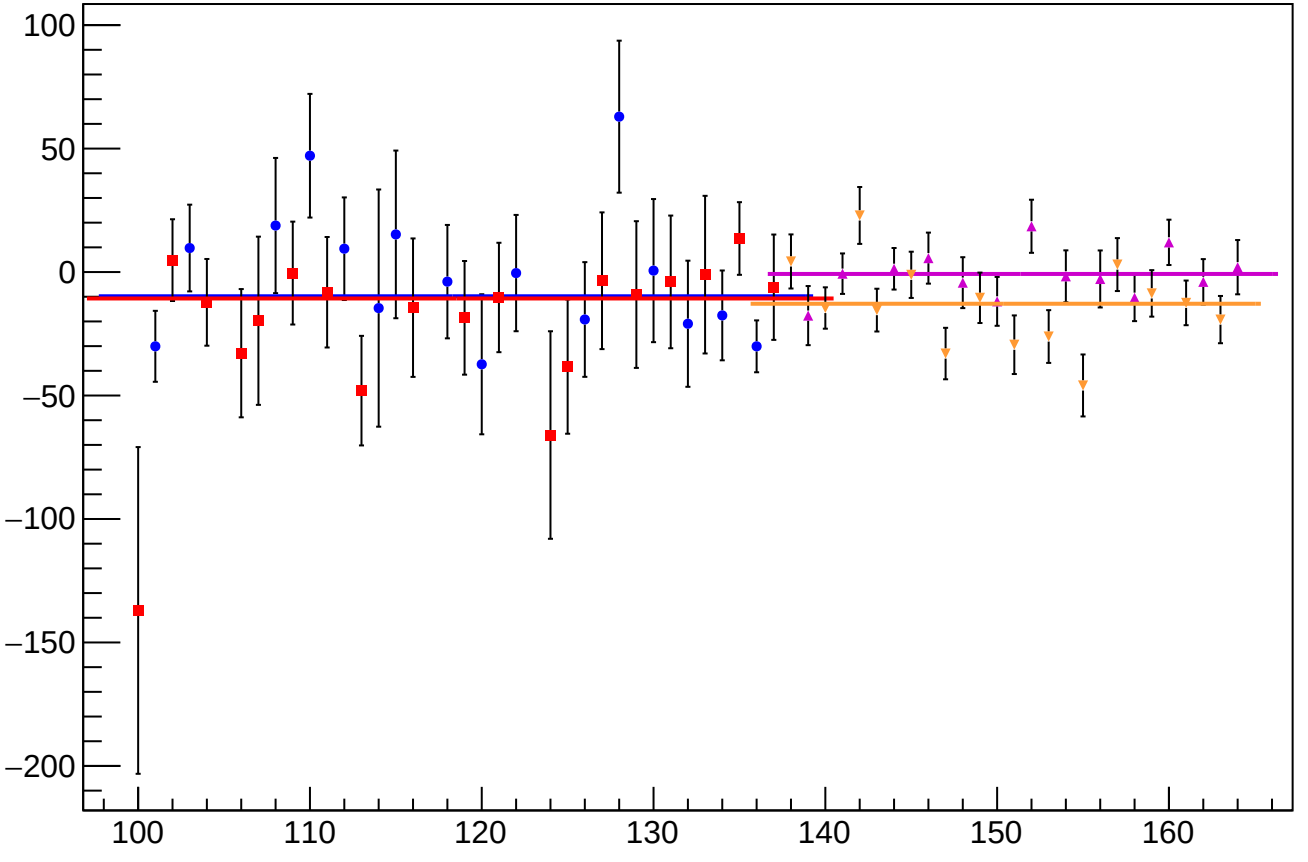
Left In: 6184.372+/-1.334 χ^2/NDF:266411.2/12

+ sign 6422.152+/-1.077 χ^2/NDF: 1090544.4/29

All: 6406.442+/-0.760 χ^2/NDF: 2223318.9/61

- 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: -12.838+/-2.682 χ^2/NDF:30.9/13

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

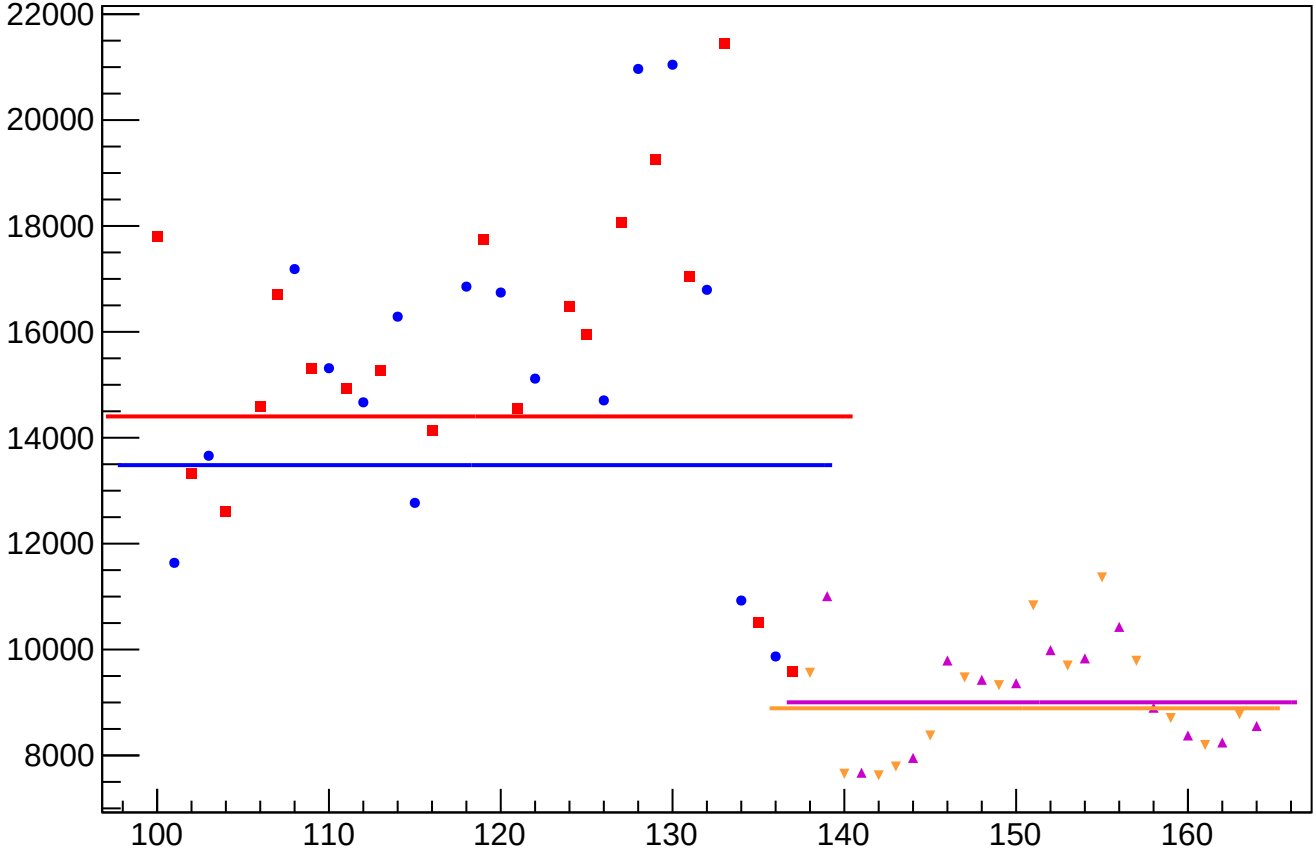
Left In: -0.769+/-2.739 χ^2/NDF:10.2/12

+ sign -12.197+/-2.382 χ^2/NDF: 53.2/29

All: -7.621+/-1.705 χ^2/NDF: 88.0/61

- 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: 8890.319+/-1.897 χ^2/NDF:293027.9/13

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

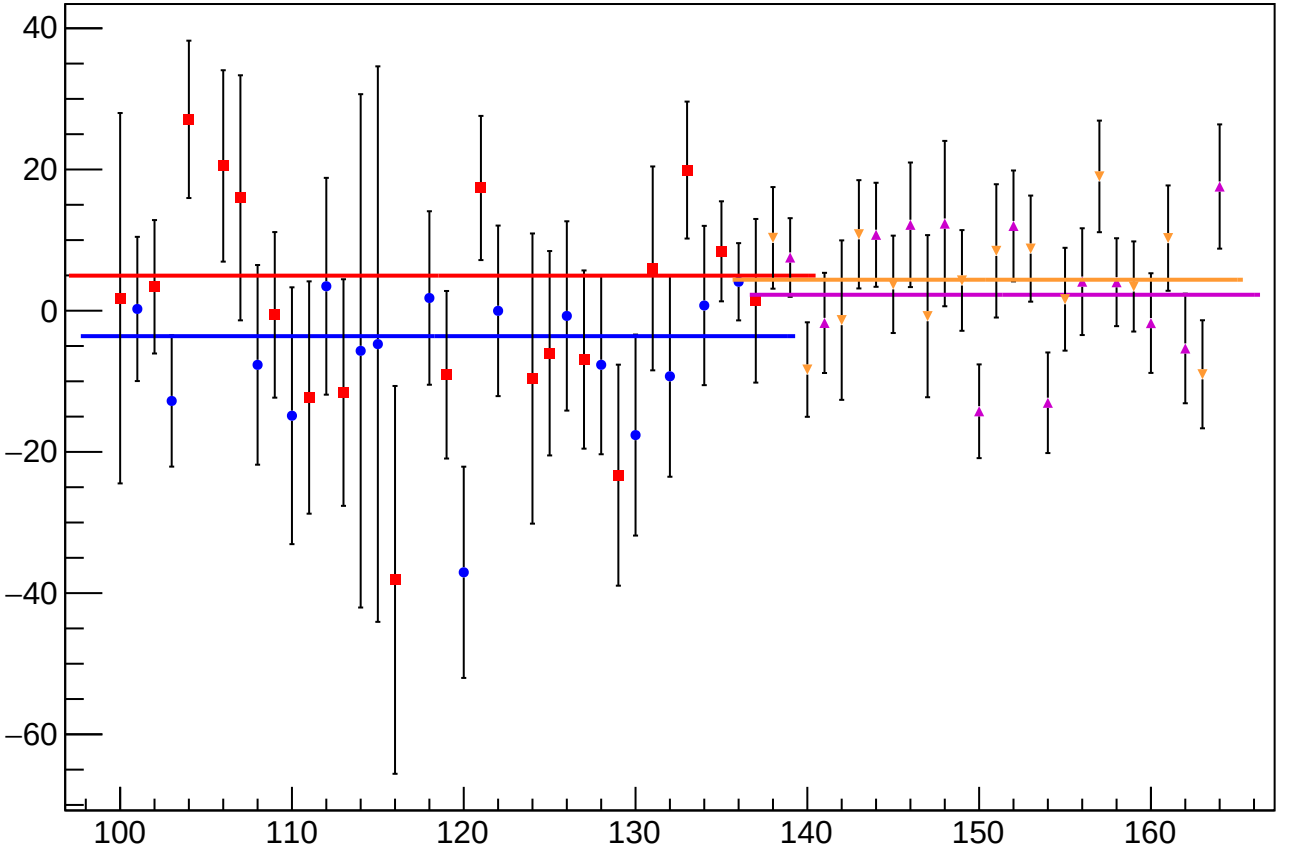
Left In: 9003.113+/-1.937 χ^2/NDF:243811.9/12

+ sign 9861.849+/-1.684 χ^2/NDF: 2277192.6/29

All: 9985.100+/-1.205 χ^2/NDF: 4683944.8/61

- 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: 4.387+/-2.049 χ^2/NDF:13.3/13

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

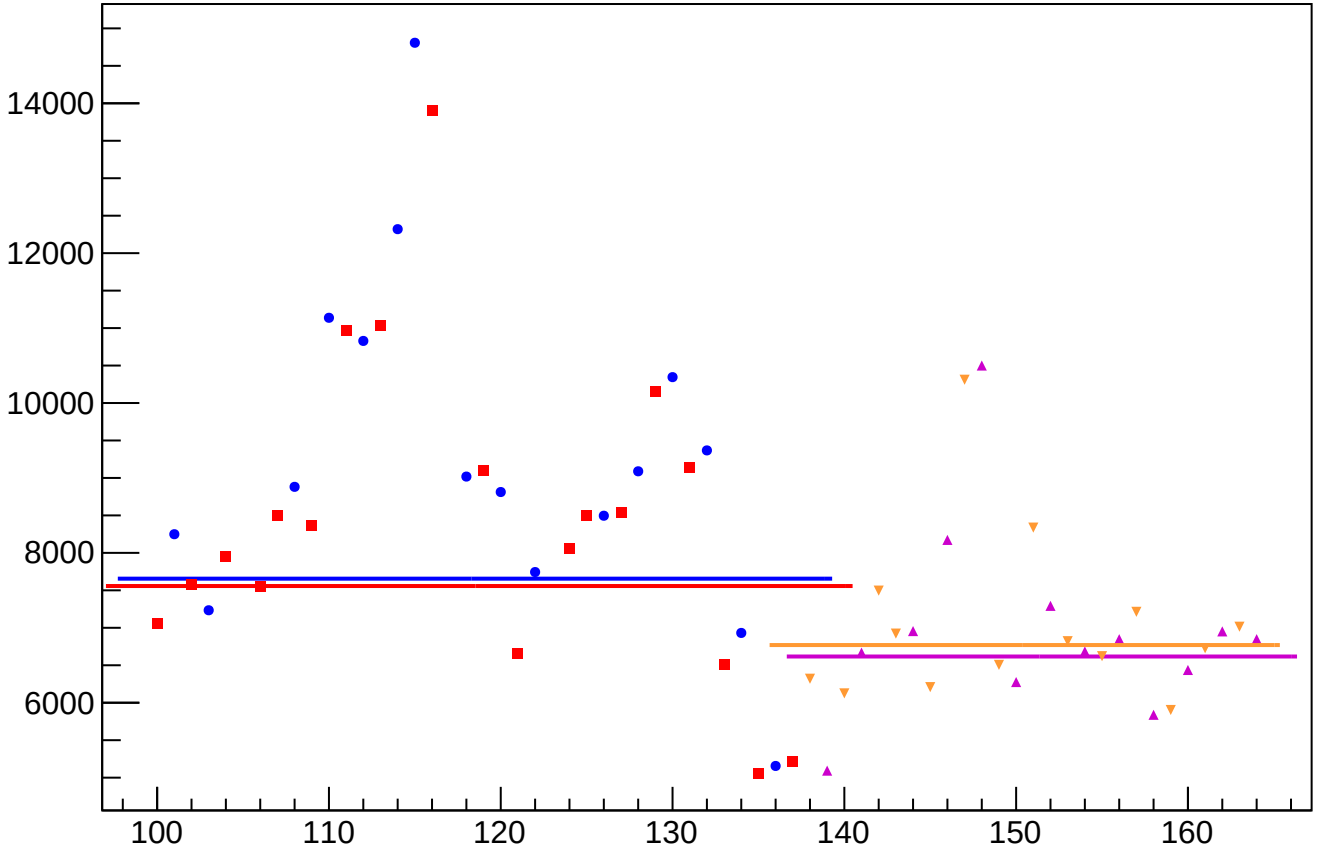
Left In: 2.257+/-2.032 χ^2/NDF:21.3/12

+ sign 1.774+/-1.681 χ^2/NDF: 28.7/29

All: 2.481+/-1.180 χ^2/NDF: 72.4/61

- 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: 6769.755+/-1.449 χ^2/NDF:343039.8/13

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

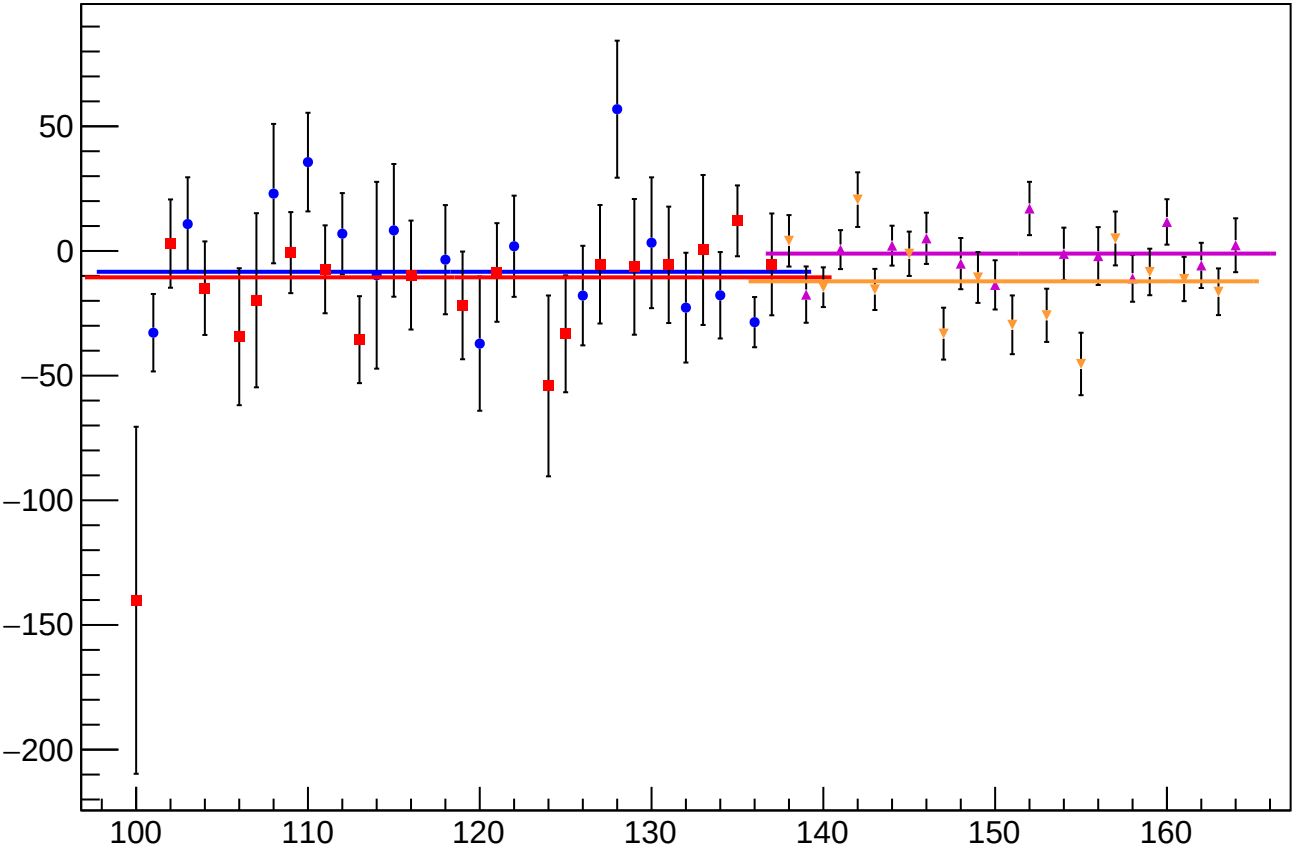
Left In: 6616.887+/-1.437 χ^2/NDF:495867.6/12

+ sign 7059.489+/-1.189 χ^2/NDF: 1345085.8/29

All: 6995.337+/-0.834 χ^2/NDF: 2800612.1/61

- 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: -12.179+/-2.616 χ^2/NDF:31.0/13

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

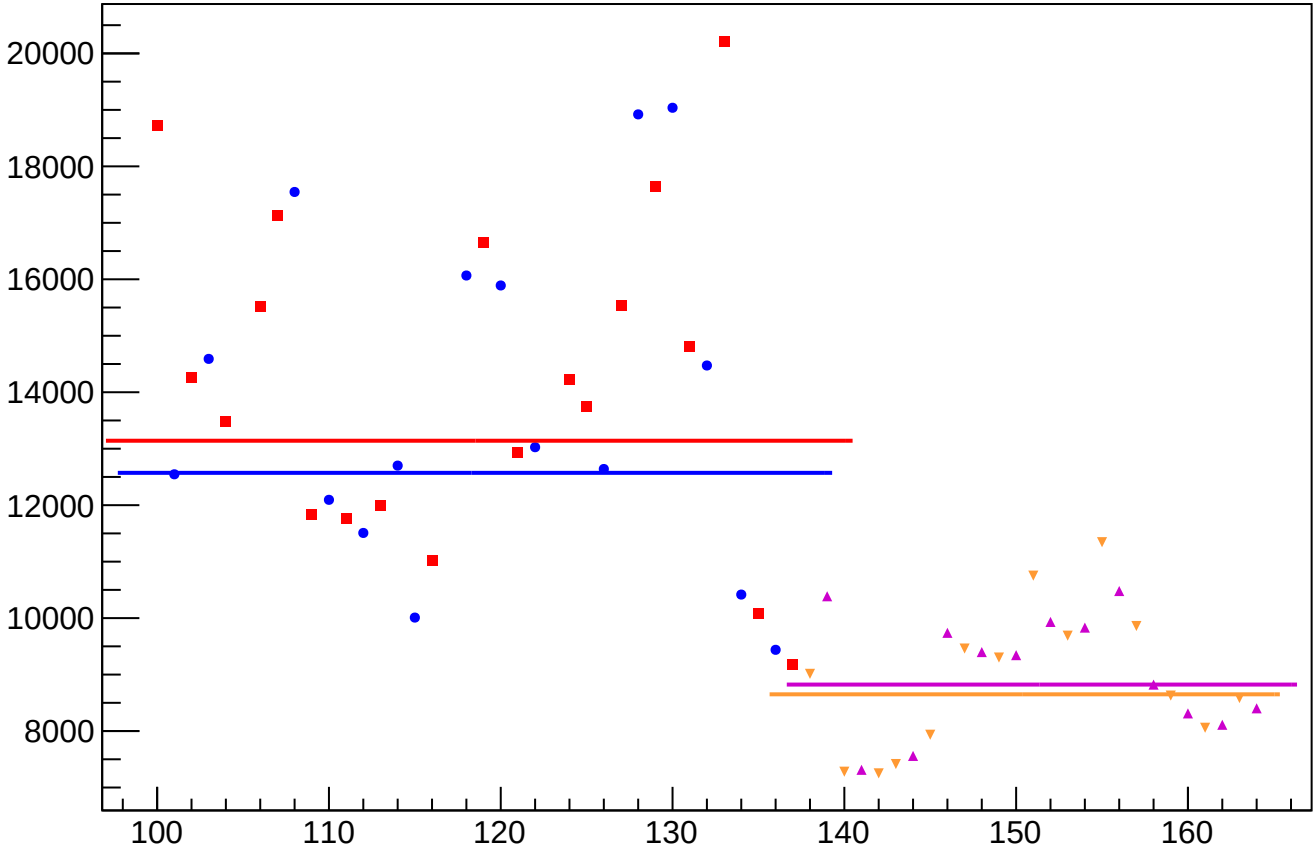
Left In: -1.053+/-2.688 χ^2/NDF:10.7/12

+ sign -11.306+/-2.298 χ^2/NDF: 54.8/29

All: -7.380+/-1.646 χ^2/NDF: 87.3/61

- 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: 8650.526+/-1.849 χ^2/NDF:381527.6/13

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

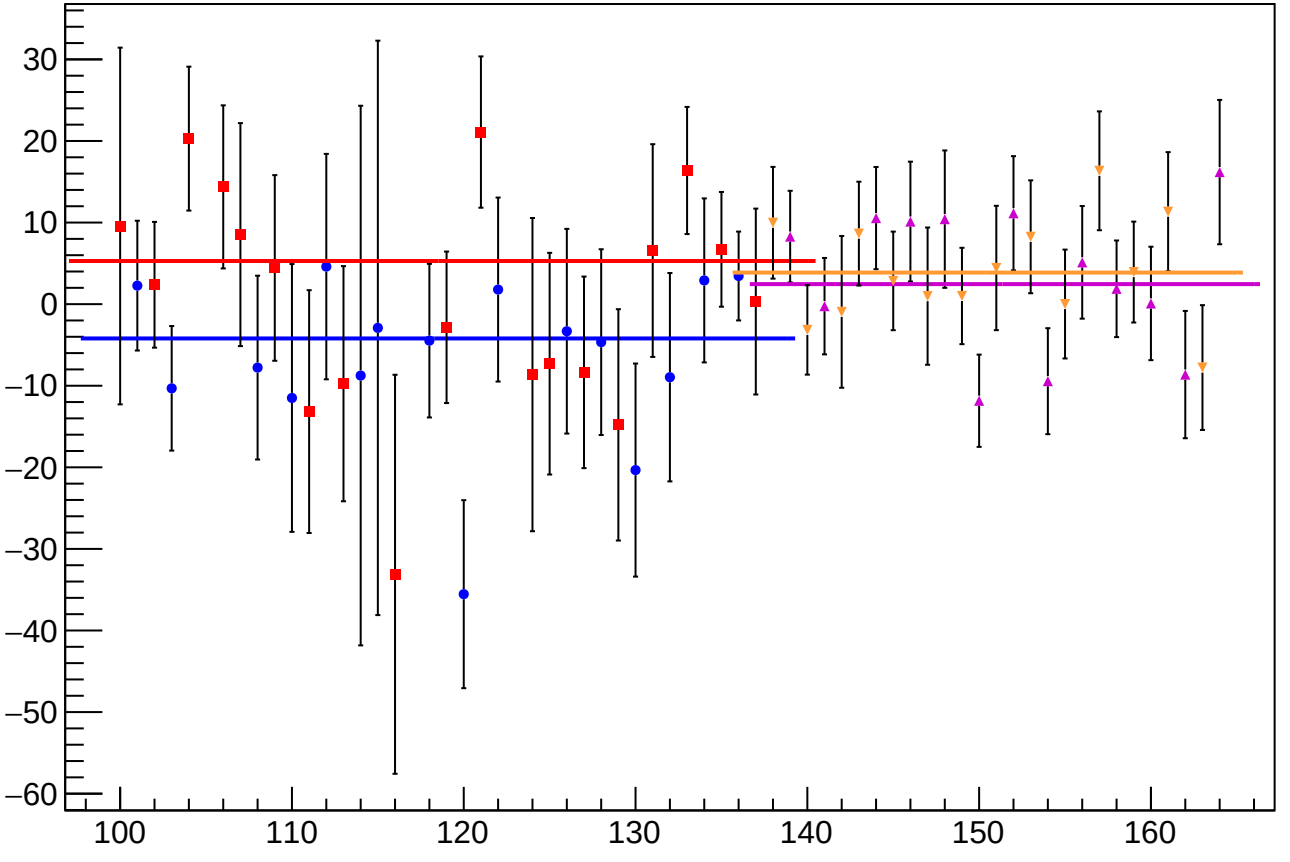
Left In: 8823.114+/-1.901 χ^2/NDF:293056.6/12

+ sign 9544.501+/-1.625 χ^2/NDF: 2071606.7/29

All: 9677.996+/-1.164 χ^2/NDF: 4103100.5/61

- 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: 3.871+/-1.818 χ^2/NDF:10.7/13

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

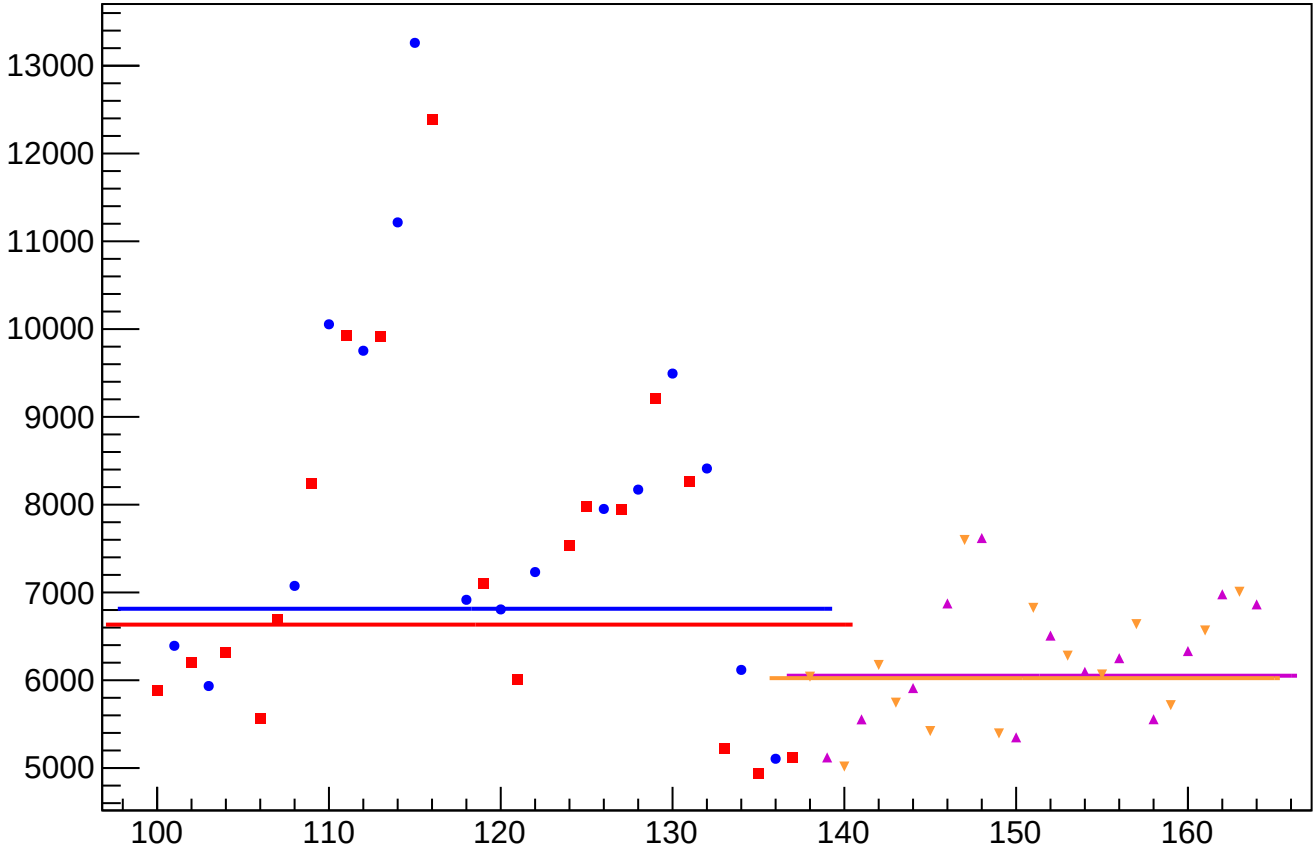
Left In: 2.455+/-1.846 χ^2/NDF:20.9/12

+ sign 1.219+/-1.490 χ^2/NDF: 31.0/29

All: 2.340+/-1.052 χ^2/NDF: 73.6/61

- 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: 6023.859+/-1.286 χ^2/NDF:272794.2/13

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

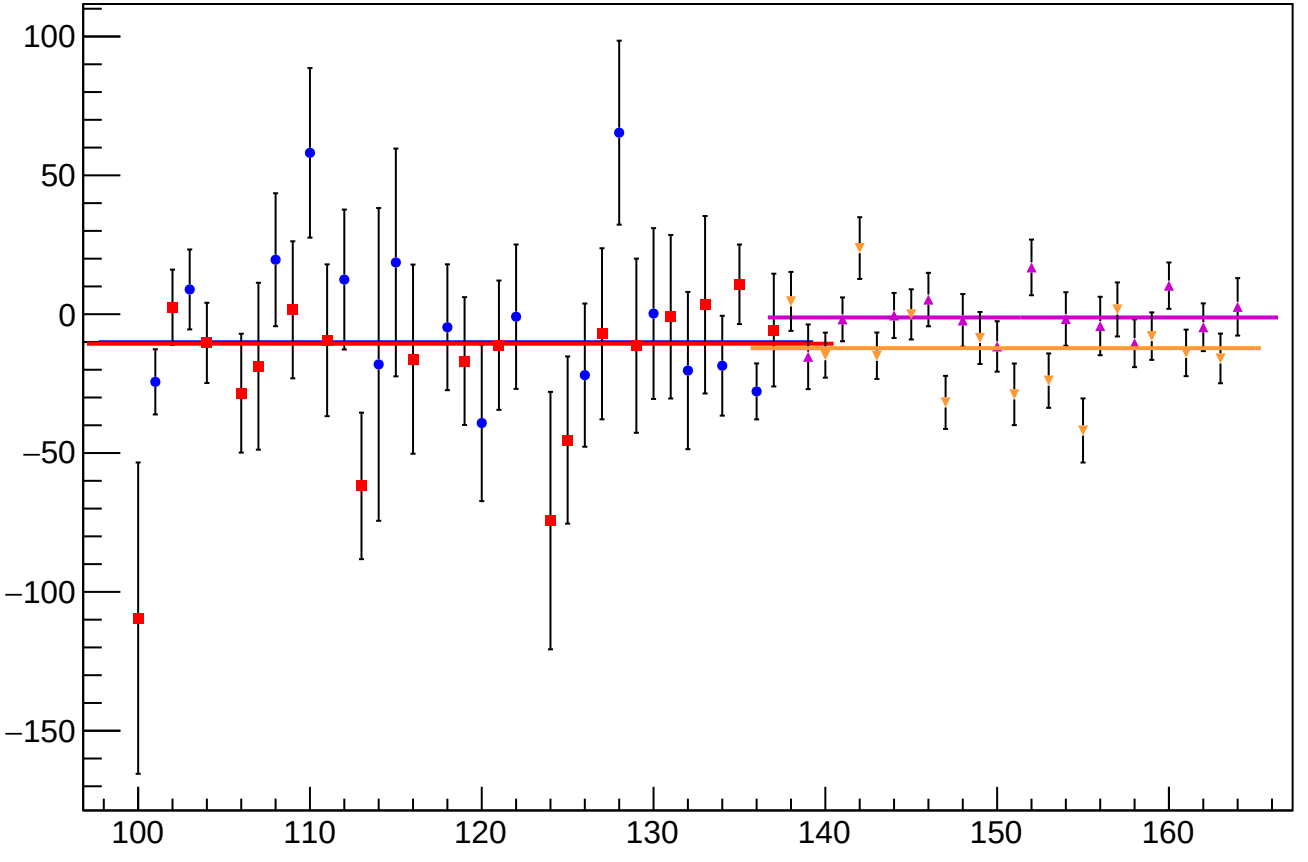
Left In: 6051.624+/-1.306 χ^2/NDF:268188.3/12

+ sign 6283.398+/-1.054 χ^2/NDF: 1071002.8/29

All: 6270.089+/-0.744 χ^2/NDF: 2172935.0/61

- 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: -12.246+/-2.515 χ^2/NDF:32.1/13

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

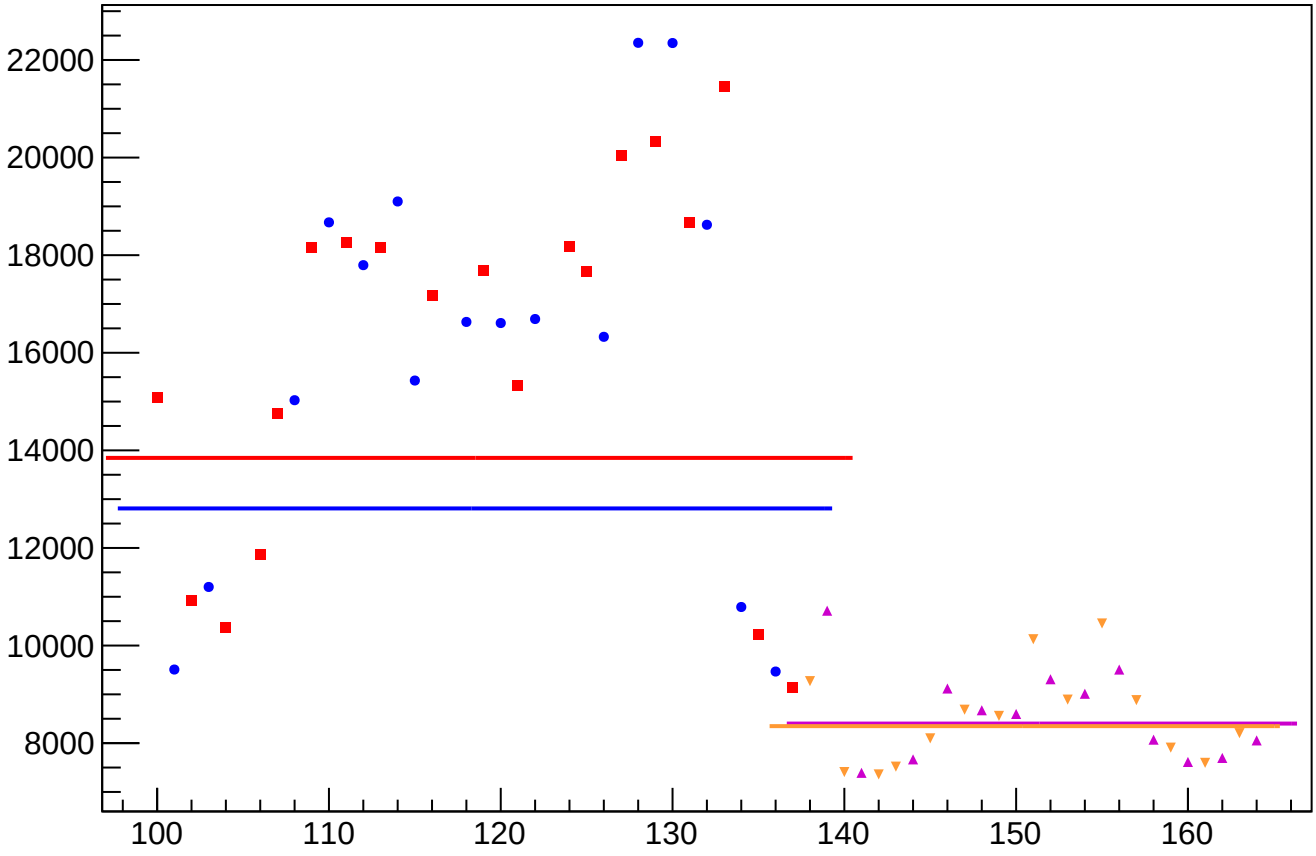
Left In: -1.175+/-2.555 χ^2/NDF:10.0/12

+ sign -11.818+/-2.248 χ^2/NDF: 53.6/29

All: -7.494+/-1.608 χ^2/NDF: 88.4/61

- sign -2.970+/-2.300 χ^2/NDF: 27.3/31

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8348.534+/-1.778 χ^2/NDF:234645.9/13

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

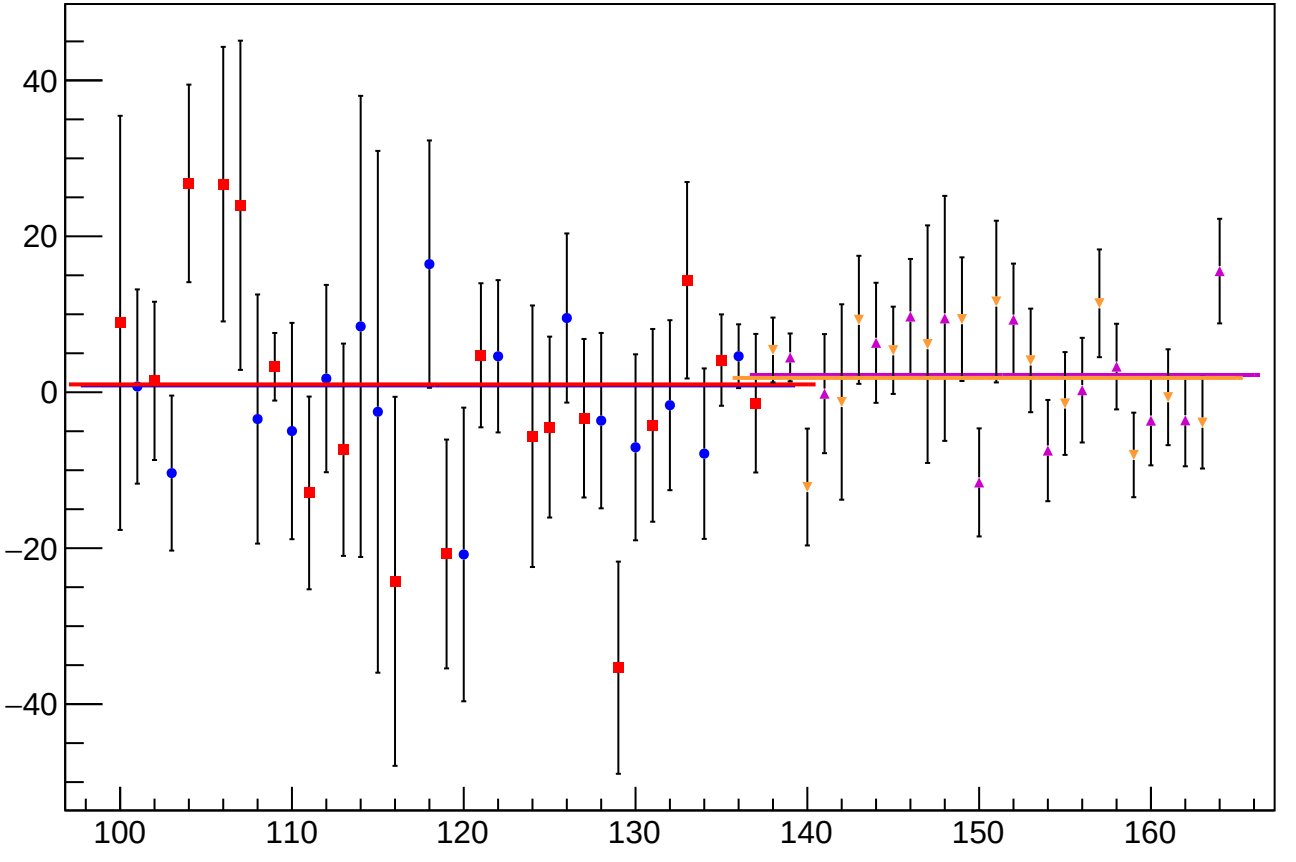
Left In: 8401.098+/-1.807 χ^2/NDF:224540.2/12

+ sign 9244.532+/-1.590 χ^2/NDF: 2746727.7/29

All: 9337.831+/-1.137 χ^2/NDF: 5799612.8/61

- sign 9435.452+/-1.626 χ^2/NDF: 3045838.2/31

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.841+/-1.784 χ^2/NDF:14.1/13

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

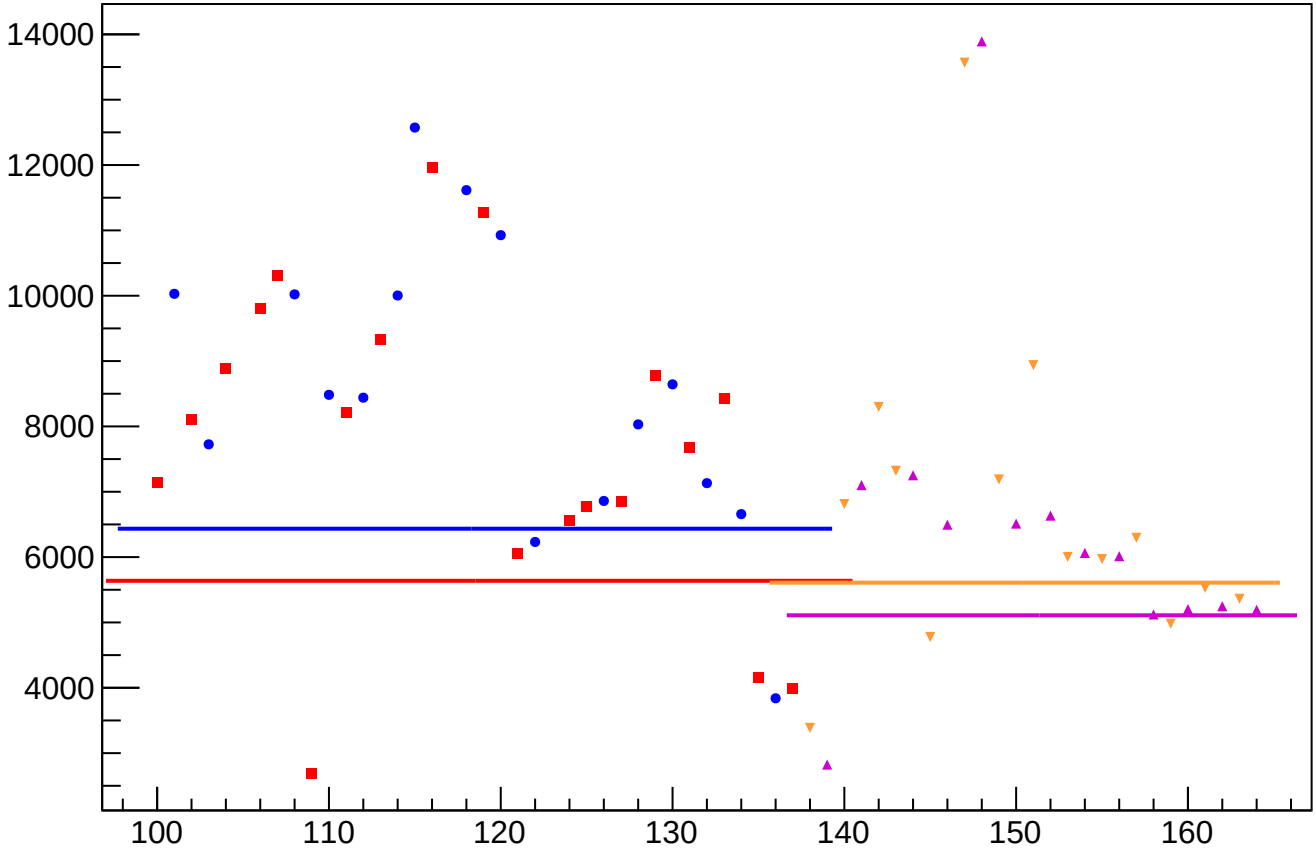
Left In: 2.214+/-1.660 χ^2/NDF:15.4/12

+ sign 1.528+/-1.465 χ^2/NDF: 21.0/29

All: 1.677+/-0.992 χ^2/NDF: 58.9/61

- 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: 5608.866+/-1.261 χ^2/NDF:1741468.8/13

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

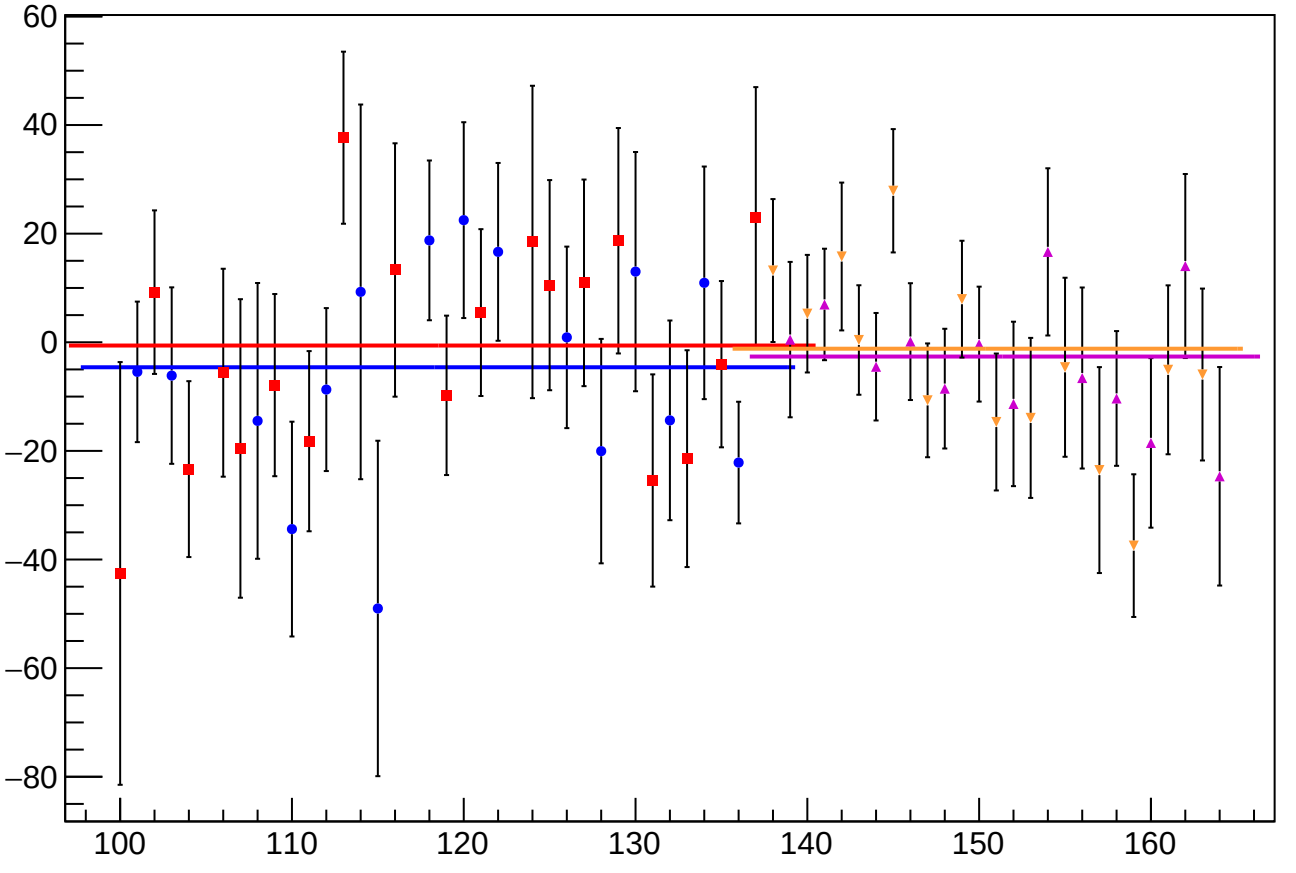
Left In: 5109.367+/-1.174 χ^2/NDF:2345546.1/12

\+ sign 5877.832+/-1.036 χ^2/NDF: 3631699.8/29

All: 5559.113+/-0.702 χ^2/NDF: 8801061.8/61

\- sign 5288.776+/-0.954 χ^2/NDF: 4994305.7/31

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.185+/-3.403 χ^2/NDF:22.3/13

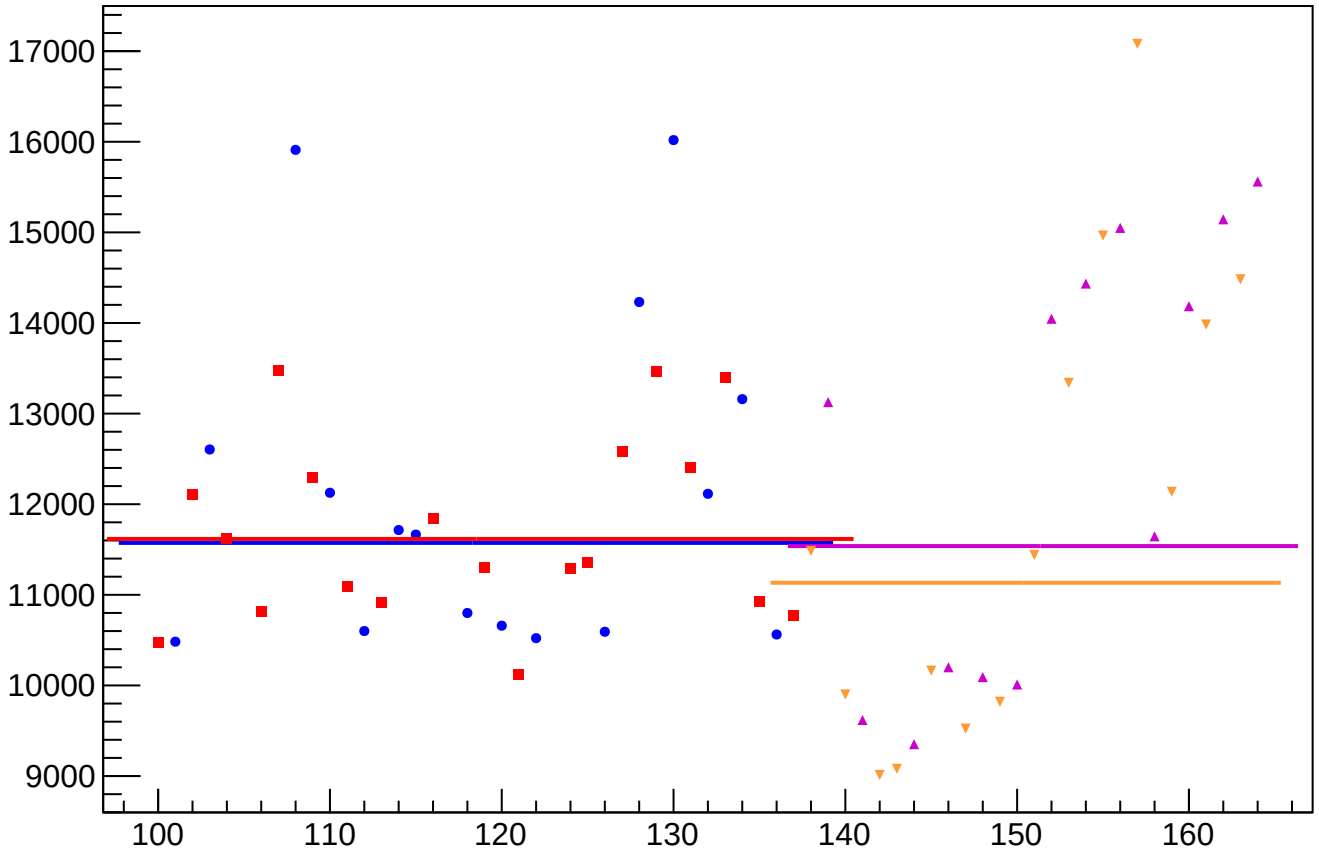
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.629+/-3.555 χ^2/NDF:6.9/12

+ sign -2.481+/-2.681 χ^2/NDF: 38.5/29

All: -2.145+/-1.913 χ^2/NDF: 63.5/61

- 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: 11133.362+/-2.406 χ^2/NDF:769959.0/13

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

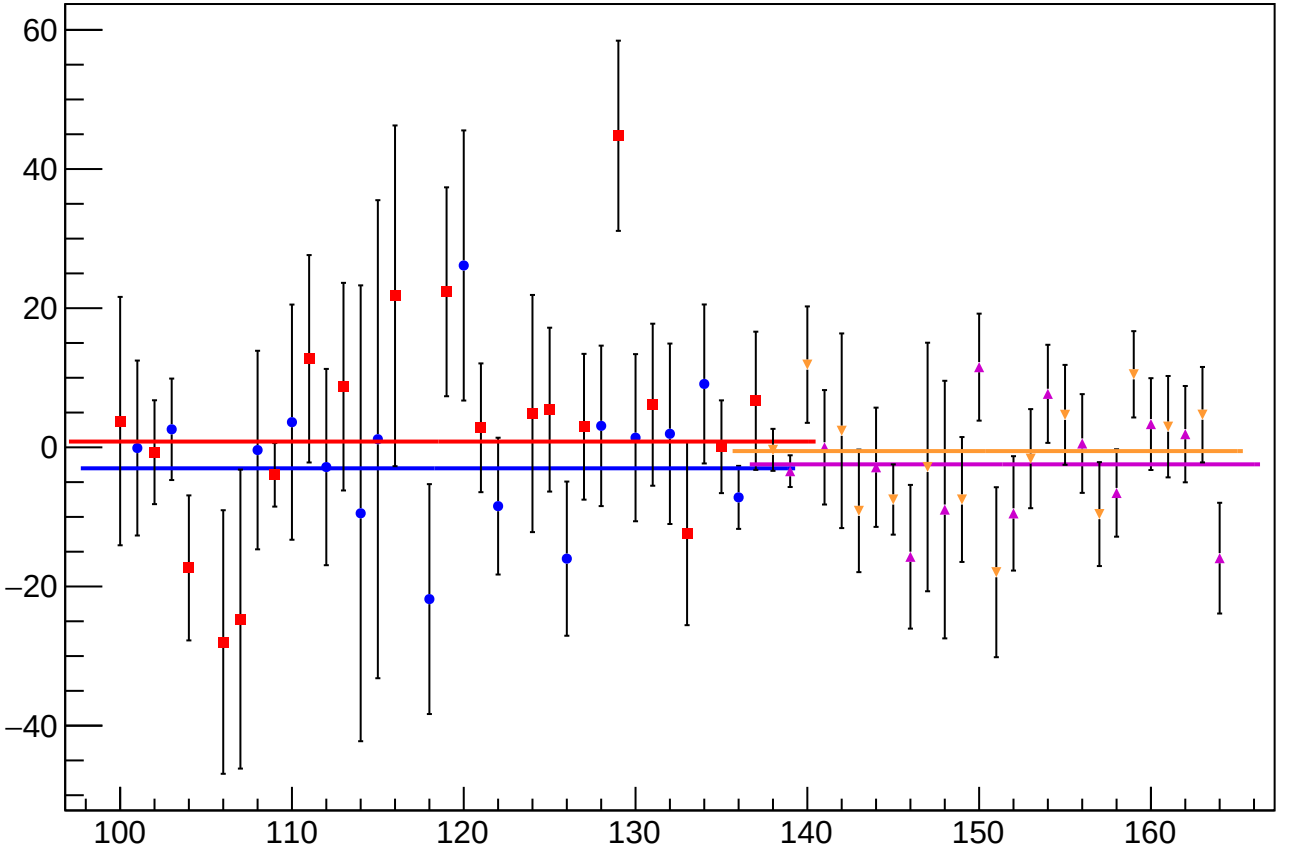
Left In: 11537.931+/-2.514 χ^2/NDF:742140.2/12

+ sign 11300.073+/-1.896 χ^2/NDF: 1042686.3/29

All: 11432.677+/-1.353 χ^2/NDF: 1888360.7/6

- 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: -0.539+/-1.750 χ^2/NDF:13.7/13

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

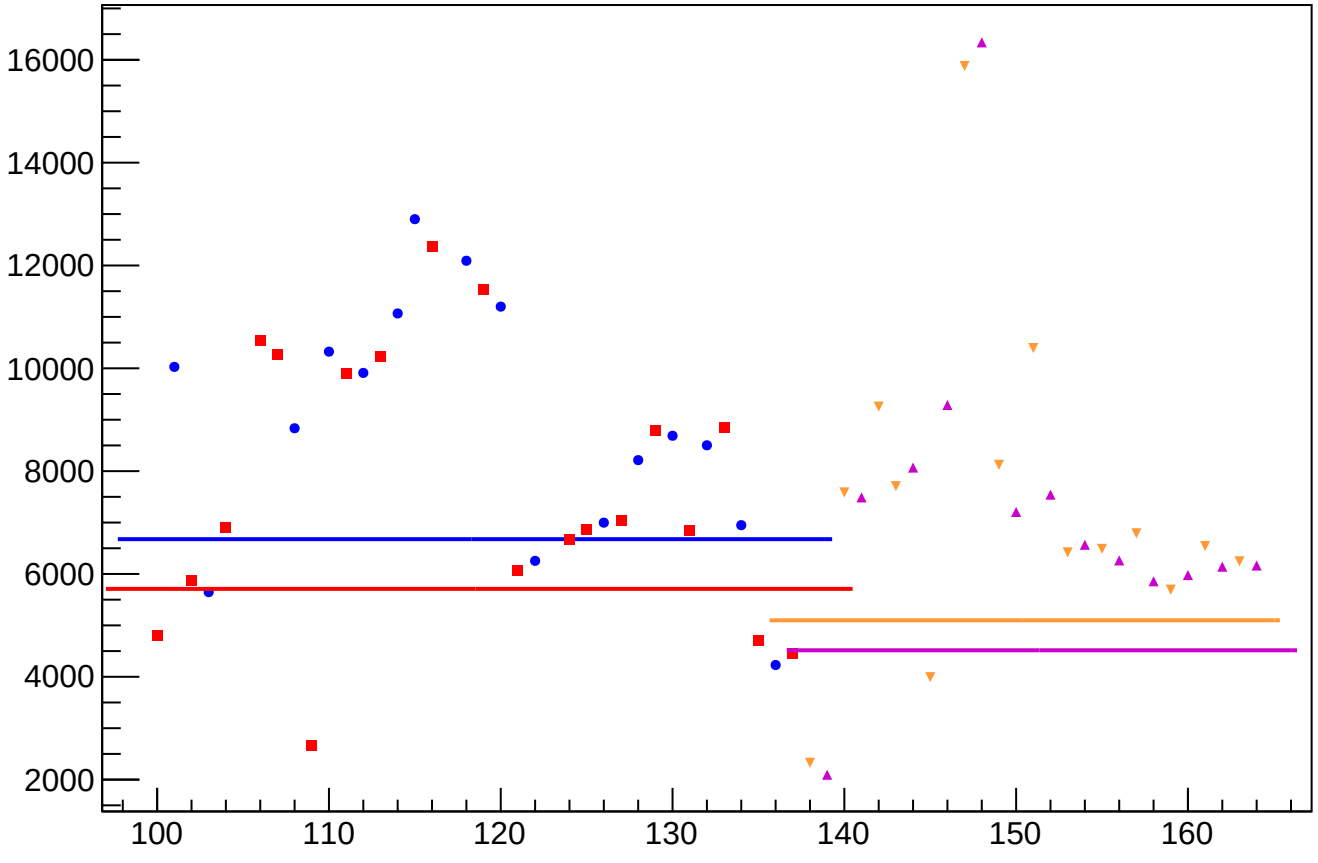
Left In: -2.443+/-1.602 χ^2/NDF:12.8/12

+ sign -1.289+/-1.461 χ^2/NDF: 23.0/29

All: -1.353+/-0.981 χ^2/NDF: 61.0/61

- 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: 5098.279+/-1.237 χ^2/NDF:4041304.5/13

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

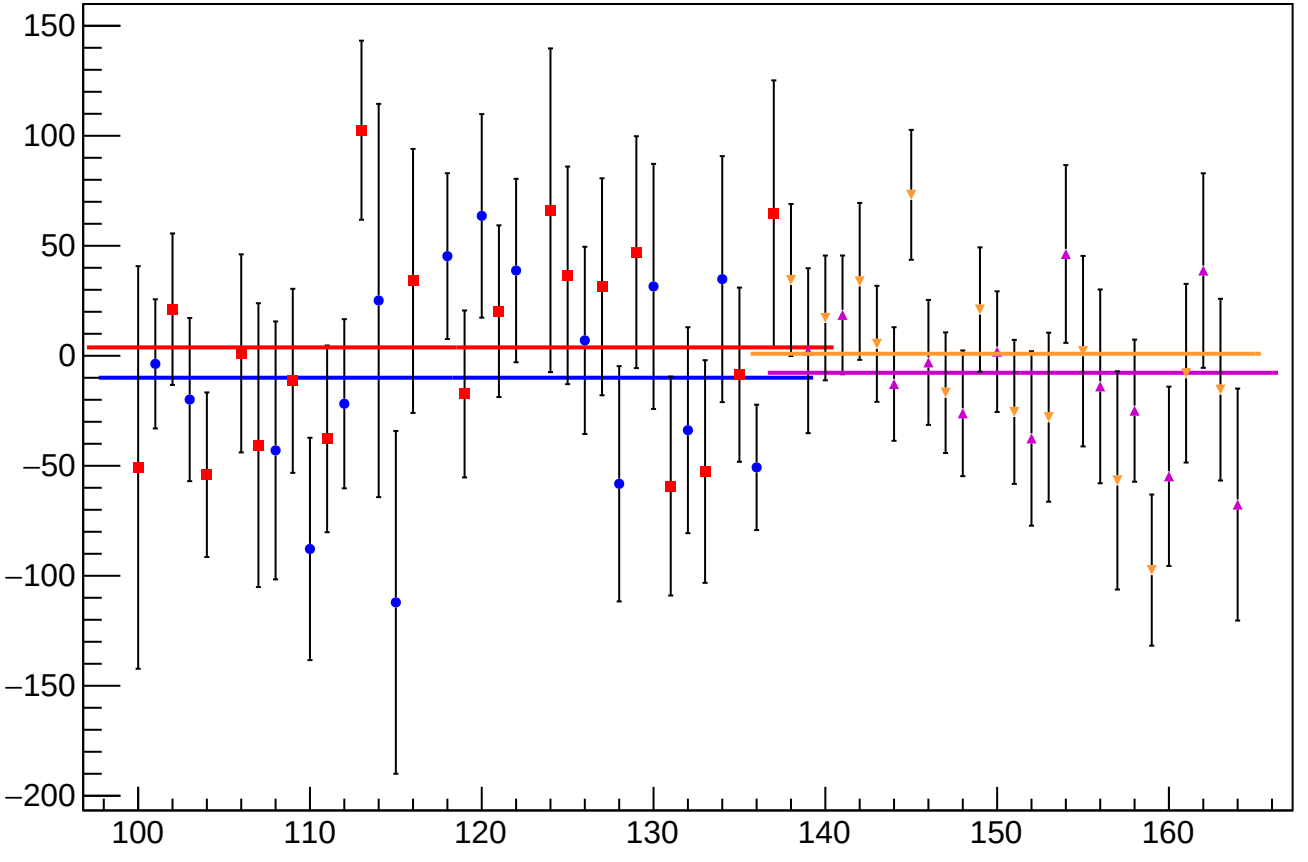
Left In: 4515.492+/-1.133 χ^2/NDF:5294737.6/12

+ sign 5576.562+/-1.033 χ^2/NDF: 6107406.7/29

All: 5201.822+/-0.694 χ^2/NDF: 14295267.7/6

- sign 4894.031+/-0.936 χ^2/NDF: 7948149.2/31

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

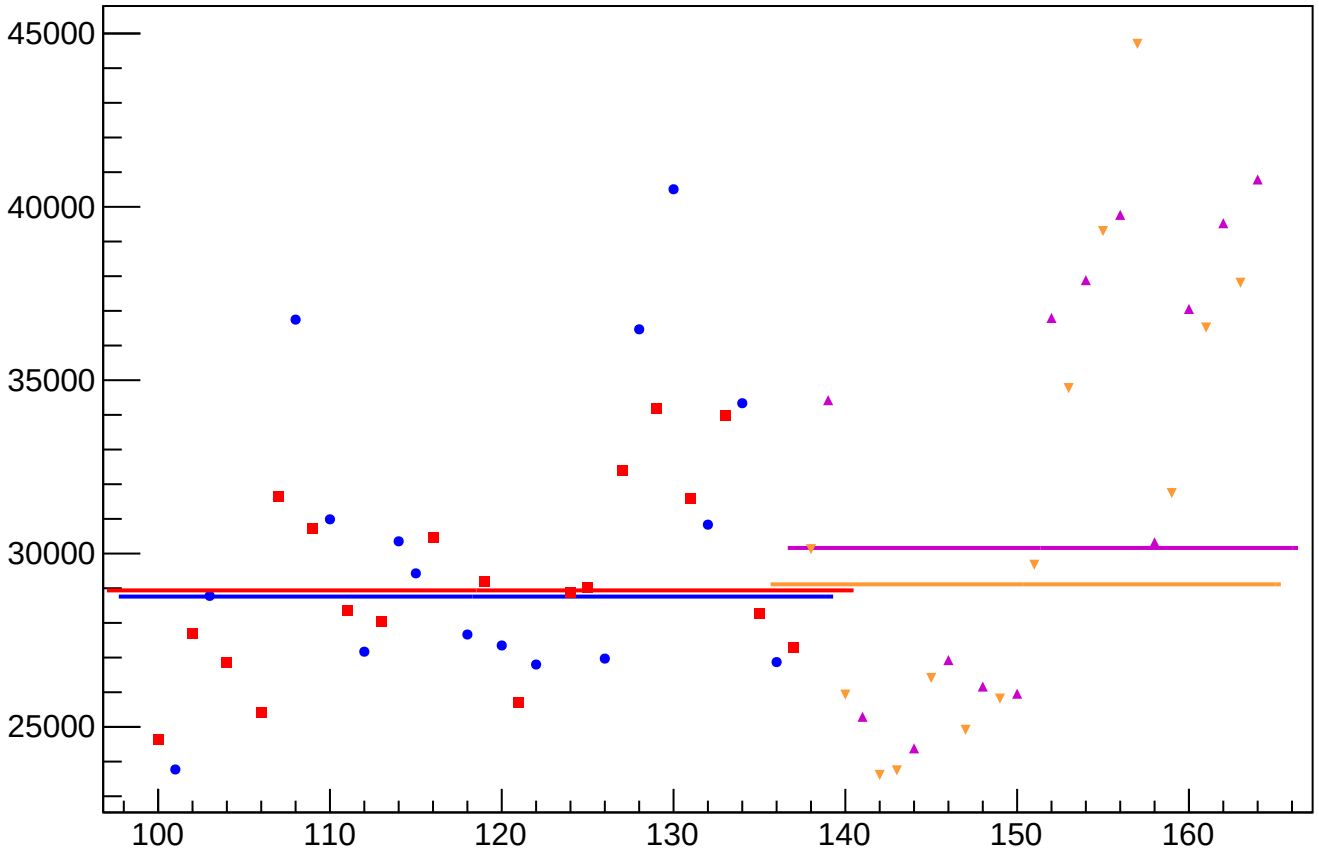
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

\+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -3.106+/-4.905 χ^2/NDF: 61.9/61

\- 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: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

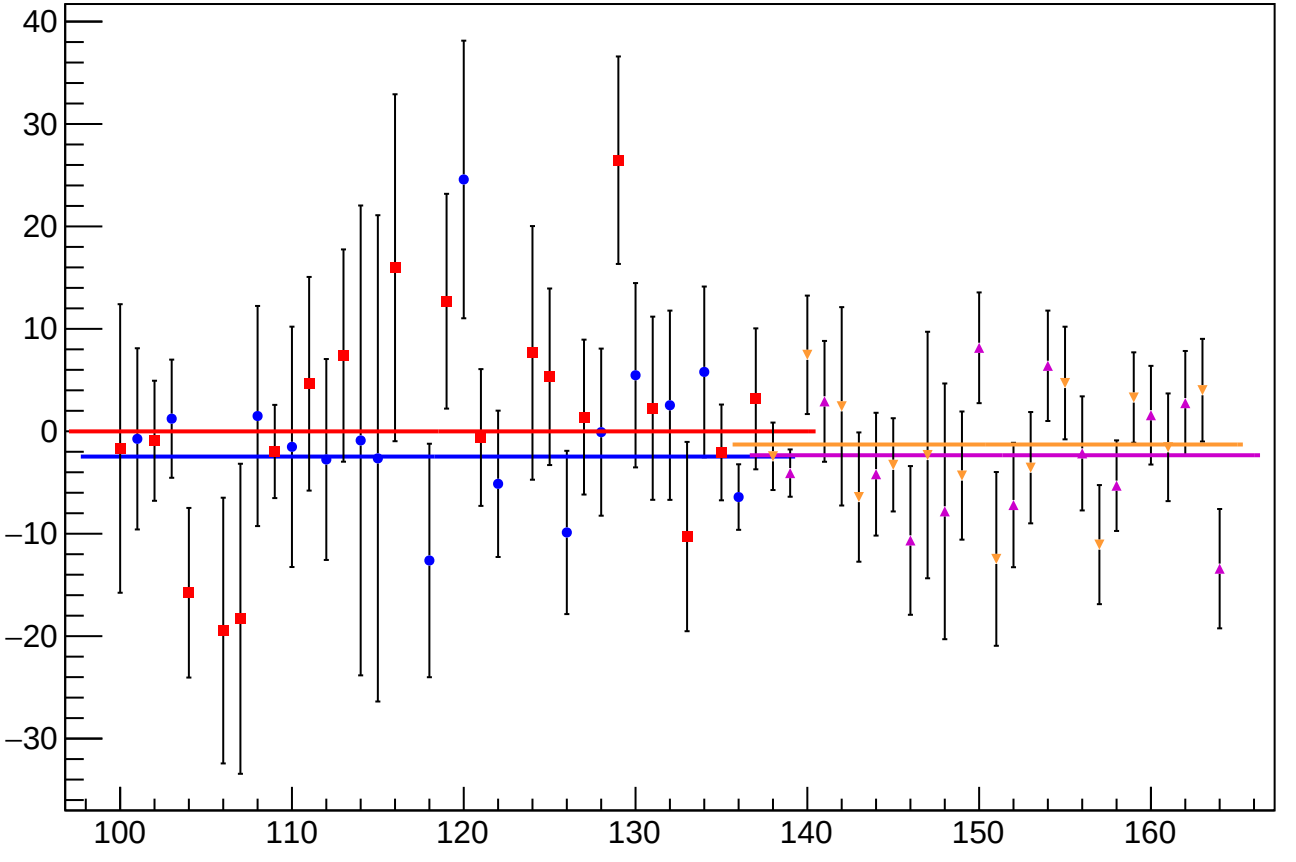
Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

- 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: -1.289+/-1.449 χ^2/NDF:11.8/13

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

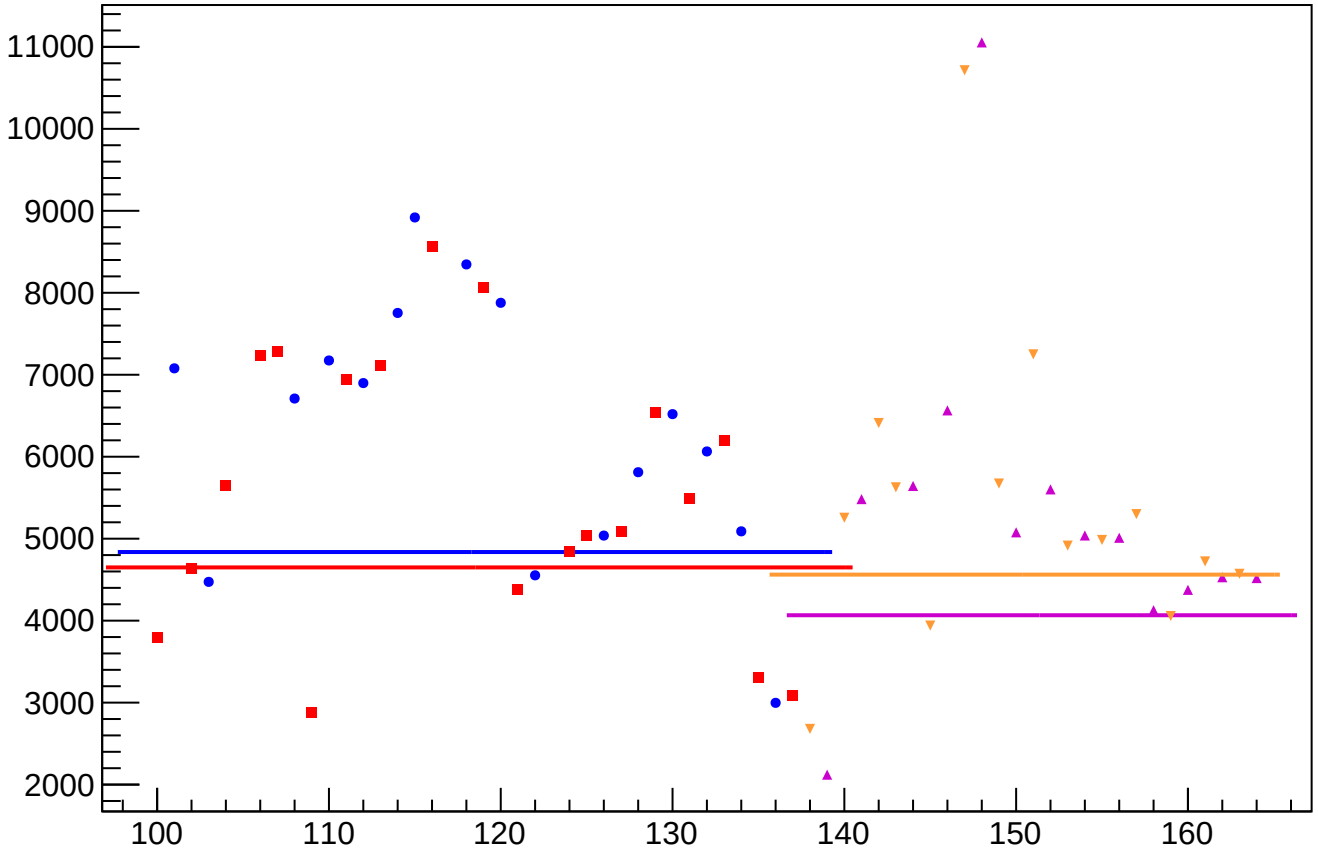
Left In: -2.337+/-1.336 χ^2/NDF:15.7/12

+ sign -1.718+/-1.155 χ^2/NDF: 22.1/29

All: -1.616+/-0.789 χ^2/NDF: 58.8/61

- 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: 4561.590+/-1.024 χ^2/NDF:1716829.7/13

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

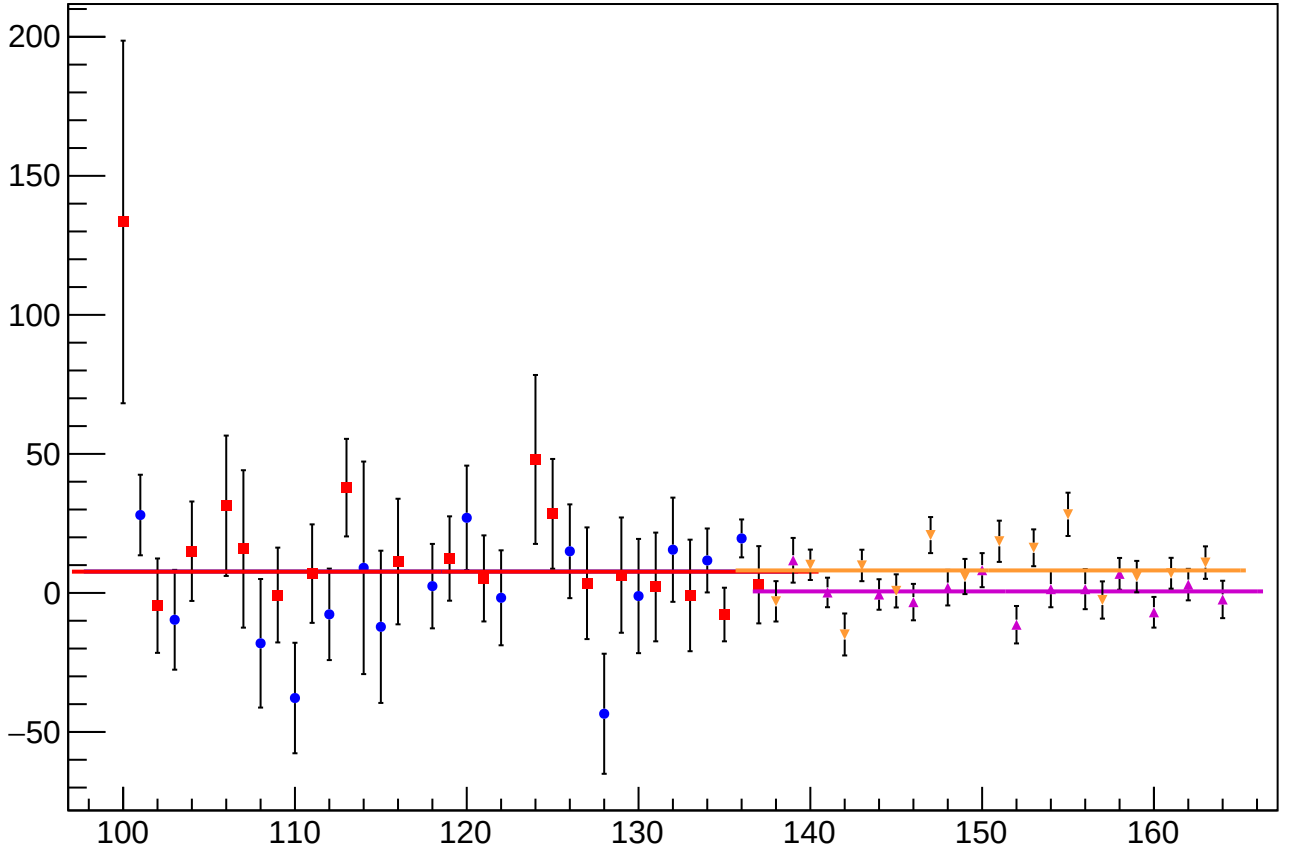
Left In: 4066.061+/-0.945 χ^2/NDF:2895098.9/12

+ sign 4661.858+/-0.817 χ^2/NDF: 3290928.7/29

All: 4452.145+/-0.558 χ^2/NDF: 7876698.7/61

- 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: 8.096+/-1.687 χ^2/NDF:30.5/13

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

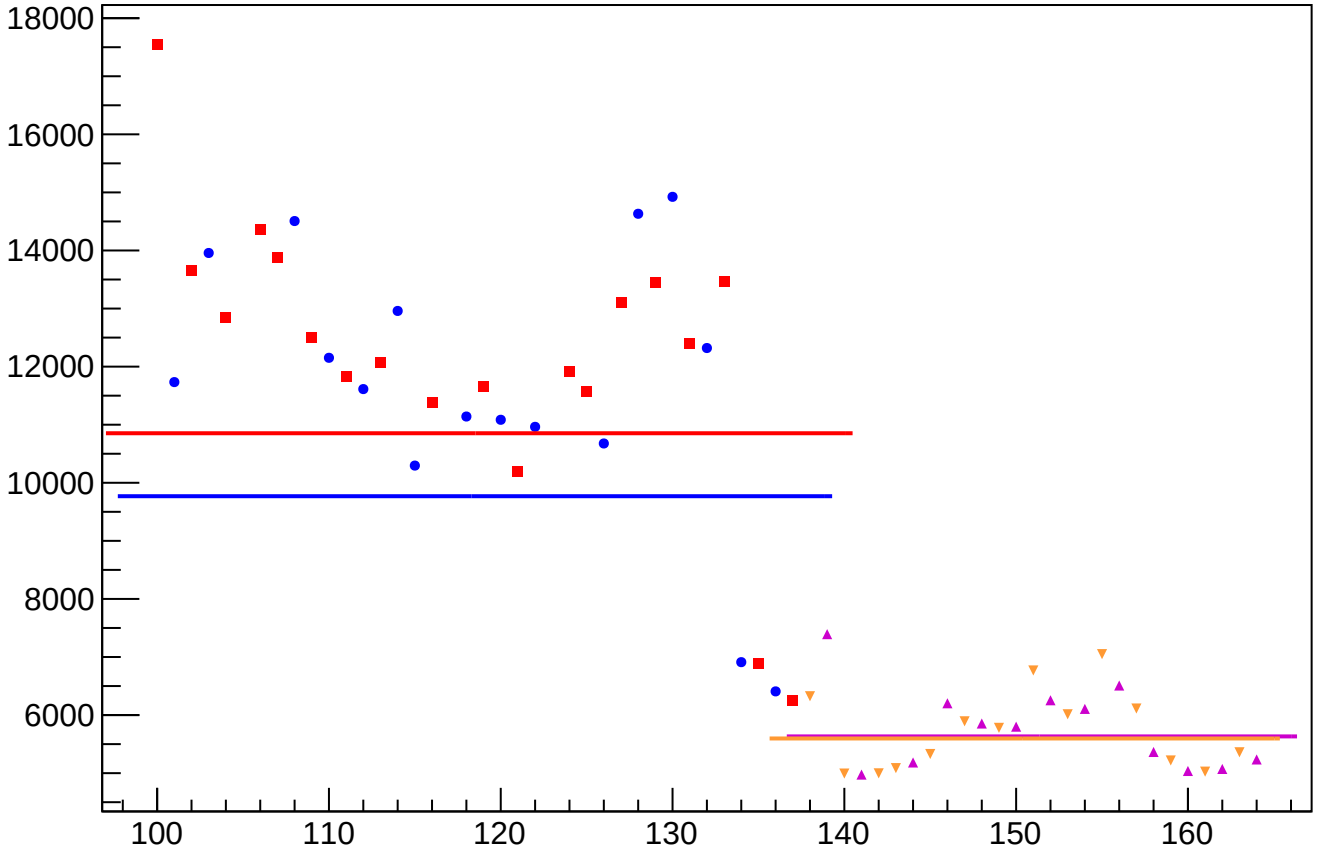
Left In: 0.550+/-1.715 χ^2/NDF:10.6/12

+ sign 8.031+/-1.544 χ^2/NDF: 52.2/29

All: 4.898+/-1.105 χ^2/NDF: 88.3/61

- sign 1.607+/-1.582 χ^2/NDF: 27.7/31

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5597.188+/-1.193 χ^2/NDF:256096.4/13

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

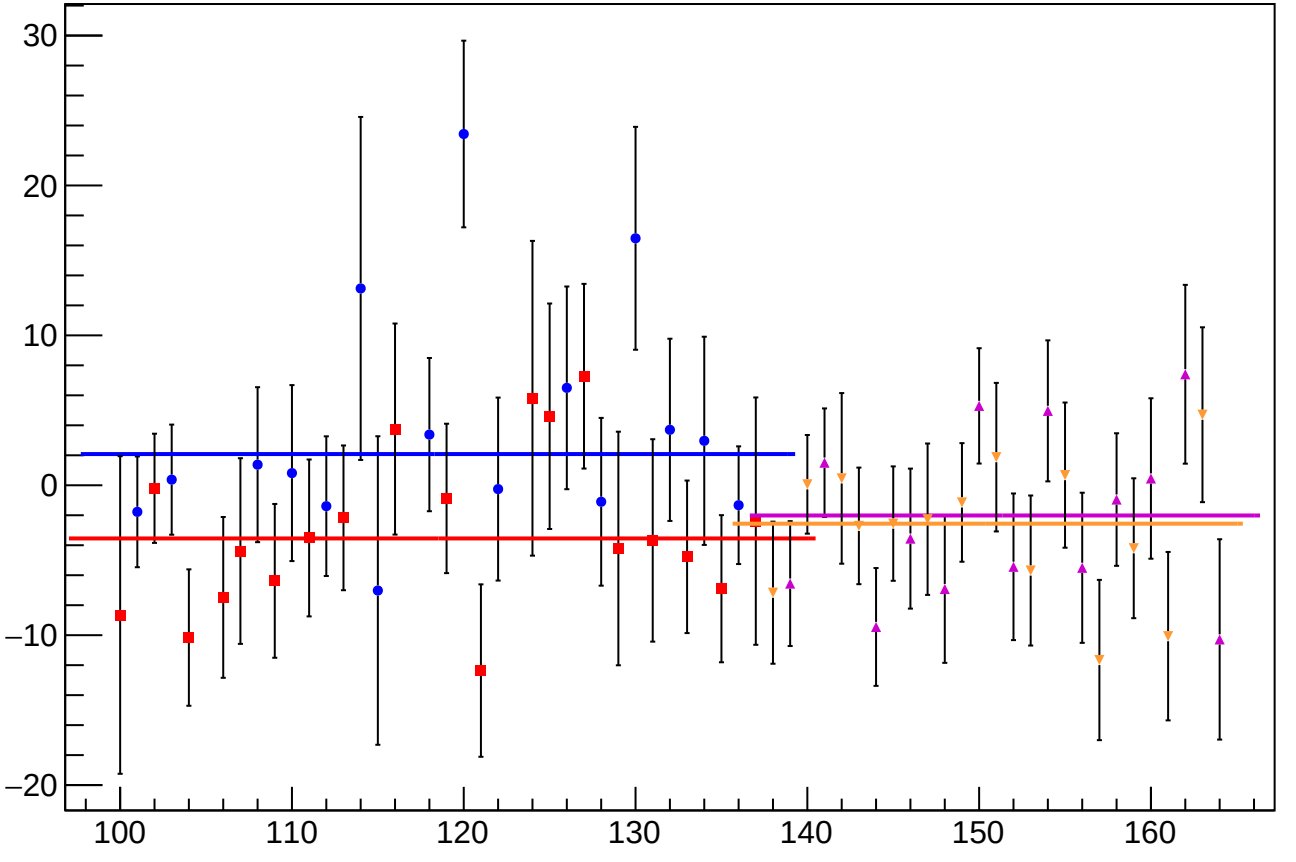
Left In: 5632.815+/-1.213 χ^2/NDF:270419.7/12

+ sign 6278.391+/-1.091 χ^2/NDF: 3465647.7/29

All: 6342.801+/-0.781 χ^2/NDF: 7377913.2/61

- 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: -2.561+/-1.221 χ^2/NDF:10.0/13

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

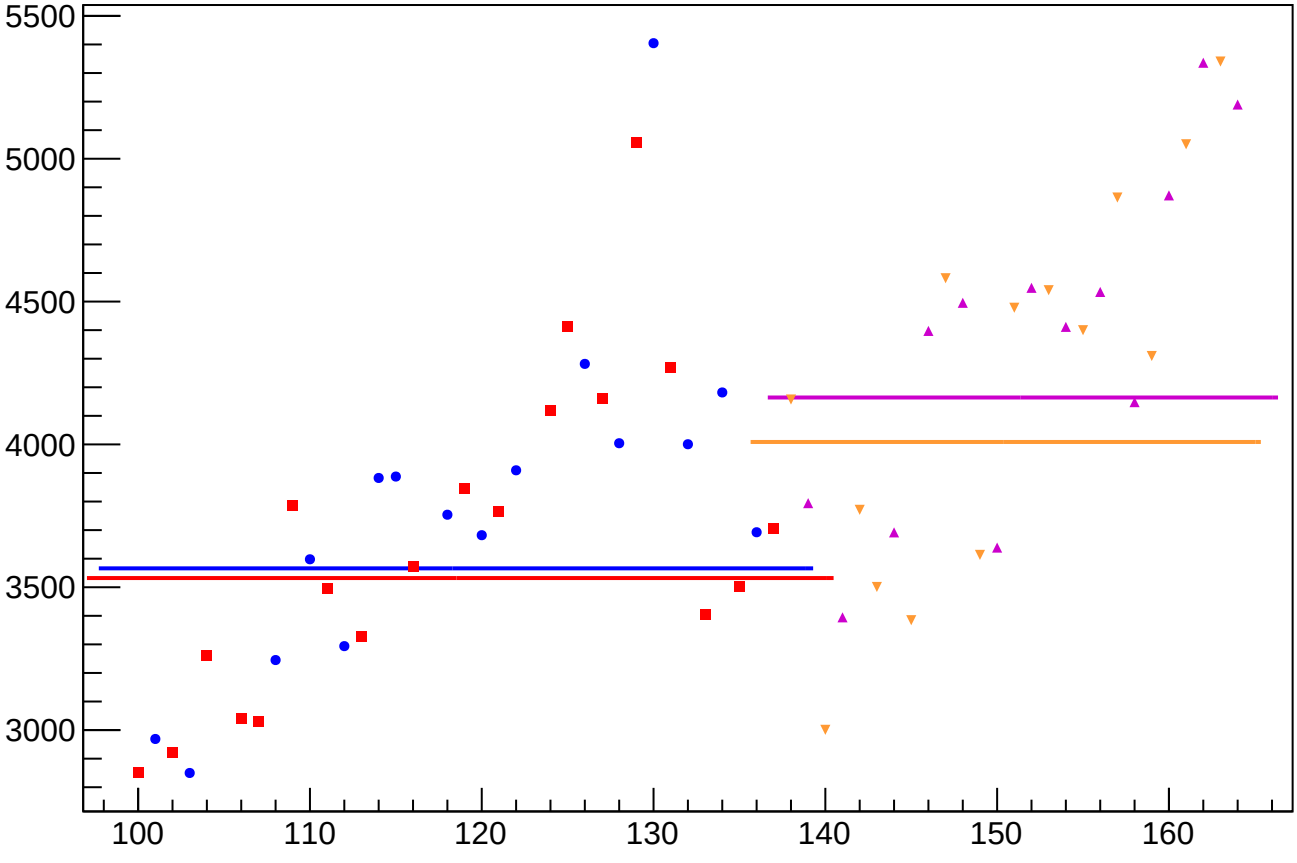
Left In: -2.015+/-1.273 χ^2/NDF:17.9/12

+ sign -0.464+/-0.904 χ^2/NDF: 37.5/29

All: -1.604+/-0.642 χ^2/NDF: 72.7/61

- 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: 4008.552+/-0.863 χ^2/NDF:612456.4/13

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

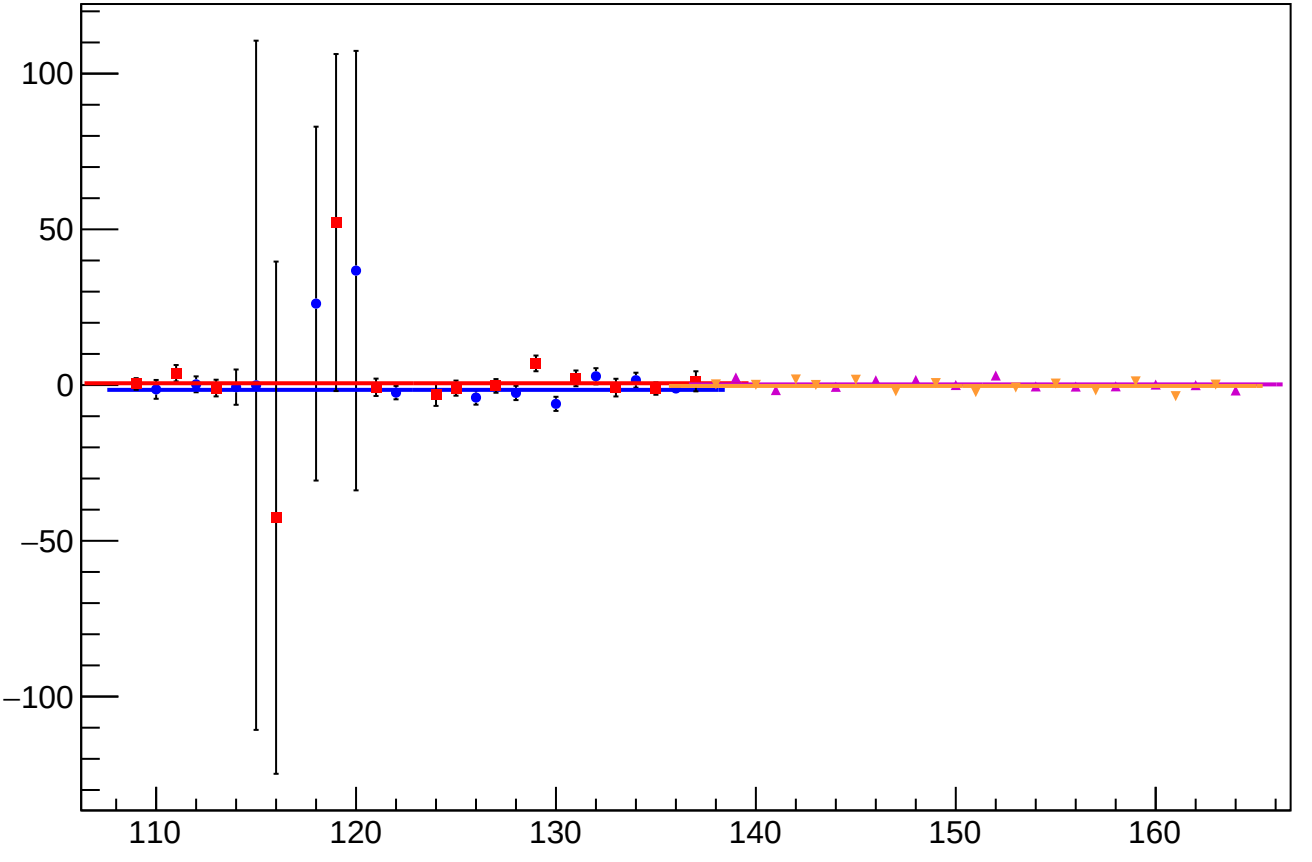
Left In: 4164.211+/-0.900 χ^2/NDF:374383.4/12

+ sign 3808.770+/-0.639 χ^2/NDF: 1072173.3/29

All: 3832.090+/-0.454 χ^2/NDF: 1968409.8/61

- 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: -0.277+/-0.305 χ^2/NDF:23.7/13

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

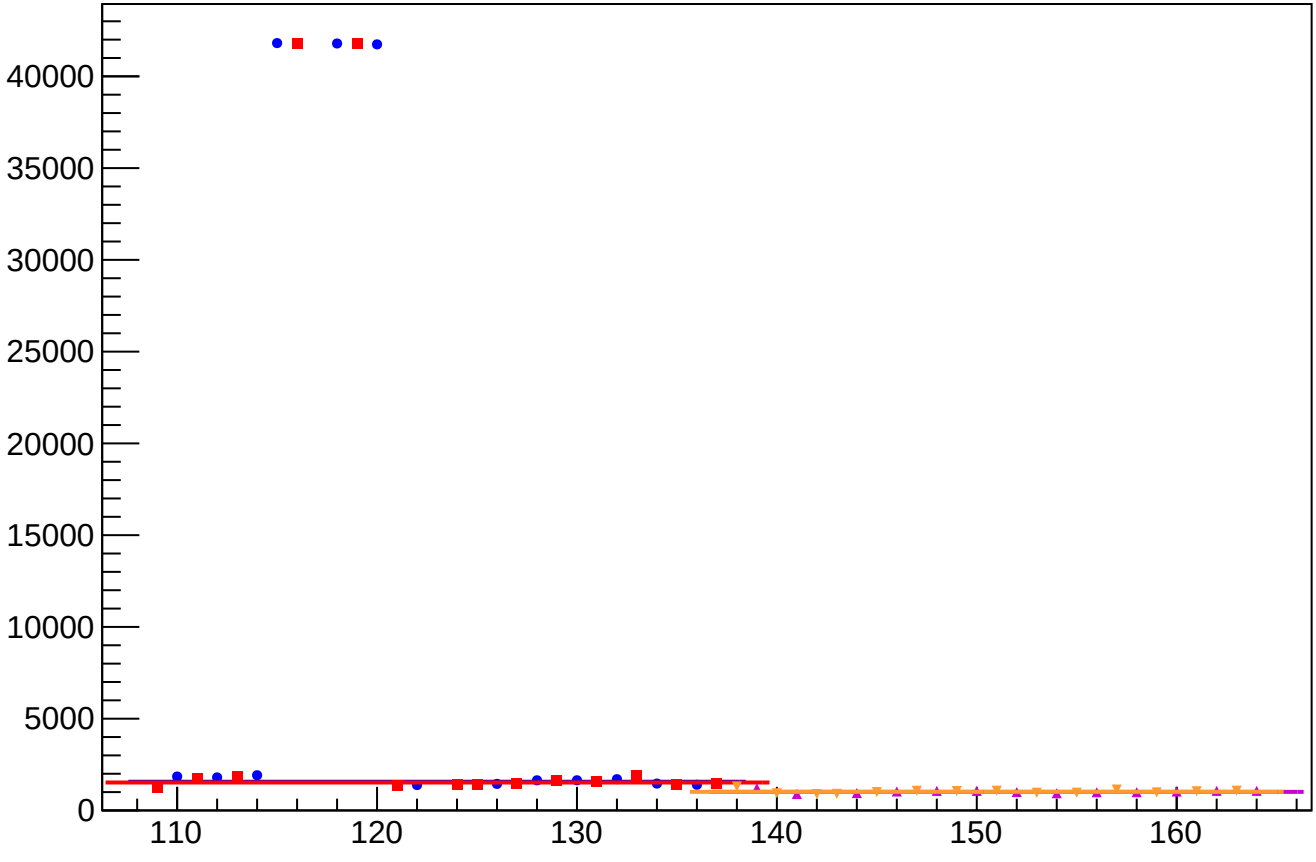
Left In: 0.217+/-0.307 χ^2/NDF:20.2/12

+ sign -0.463+/-0.282 χ^2/NDF: 37.3/26

All: -0.095+/-0.199 χ^2/NDF: 73.8/53

- 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: 1015.190+/-0.216 χ^2/NDF:177256.5/13

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

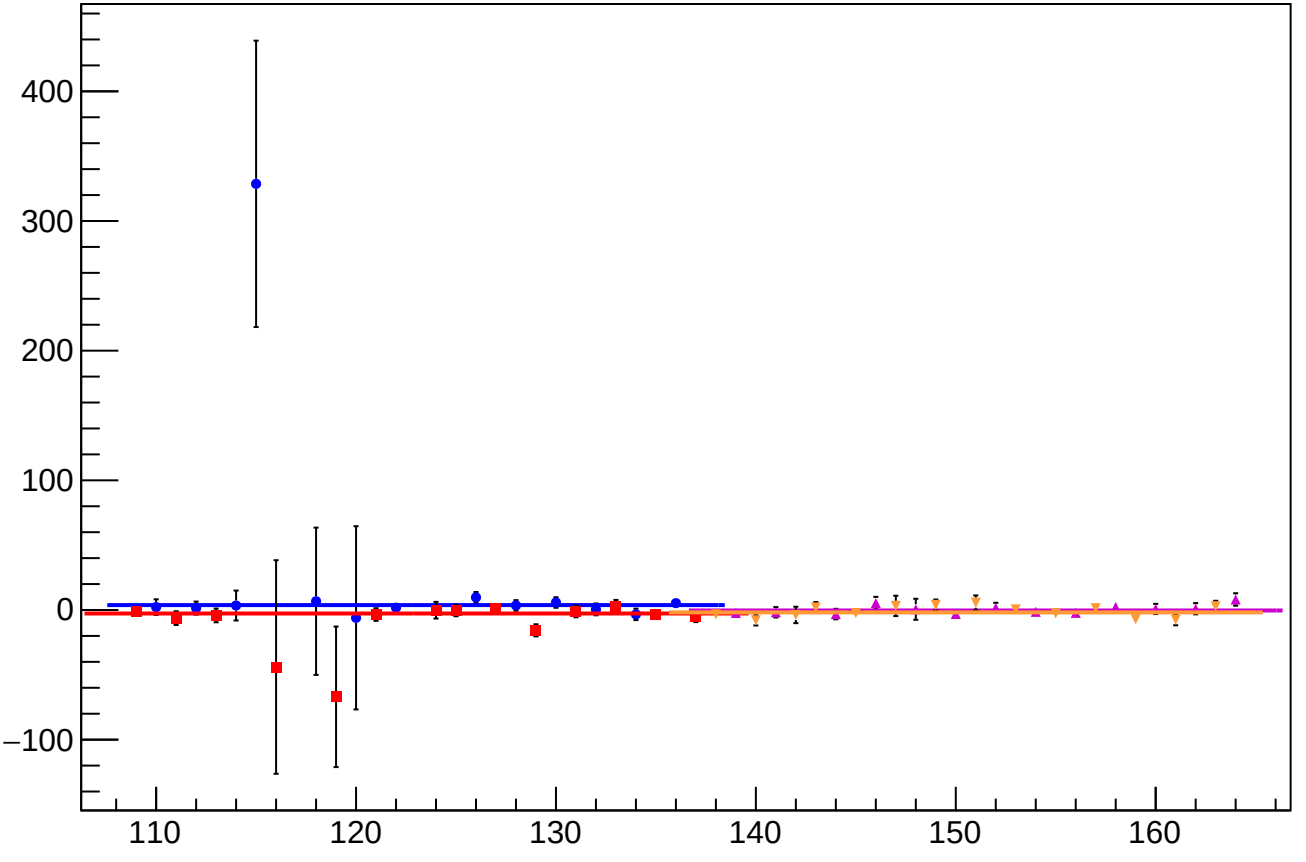
Left In: 1012.699+/-0.217 χ^2/NDF:114310.5/12

+ sign 1096.373+/-0.199 χ^2/NDF: 3151465.1/26

All: 1094.178+/-0.141 χ^2/NDF: 5863636.1/53

- 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: -1.853+/-1.016 χ^2/NDF:13.9/13

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

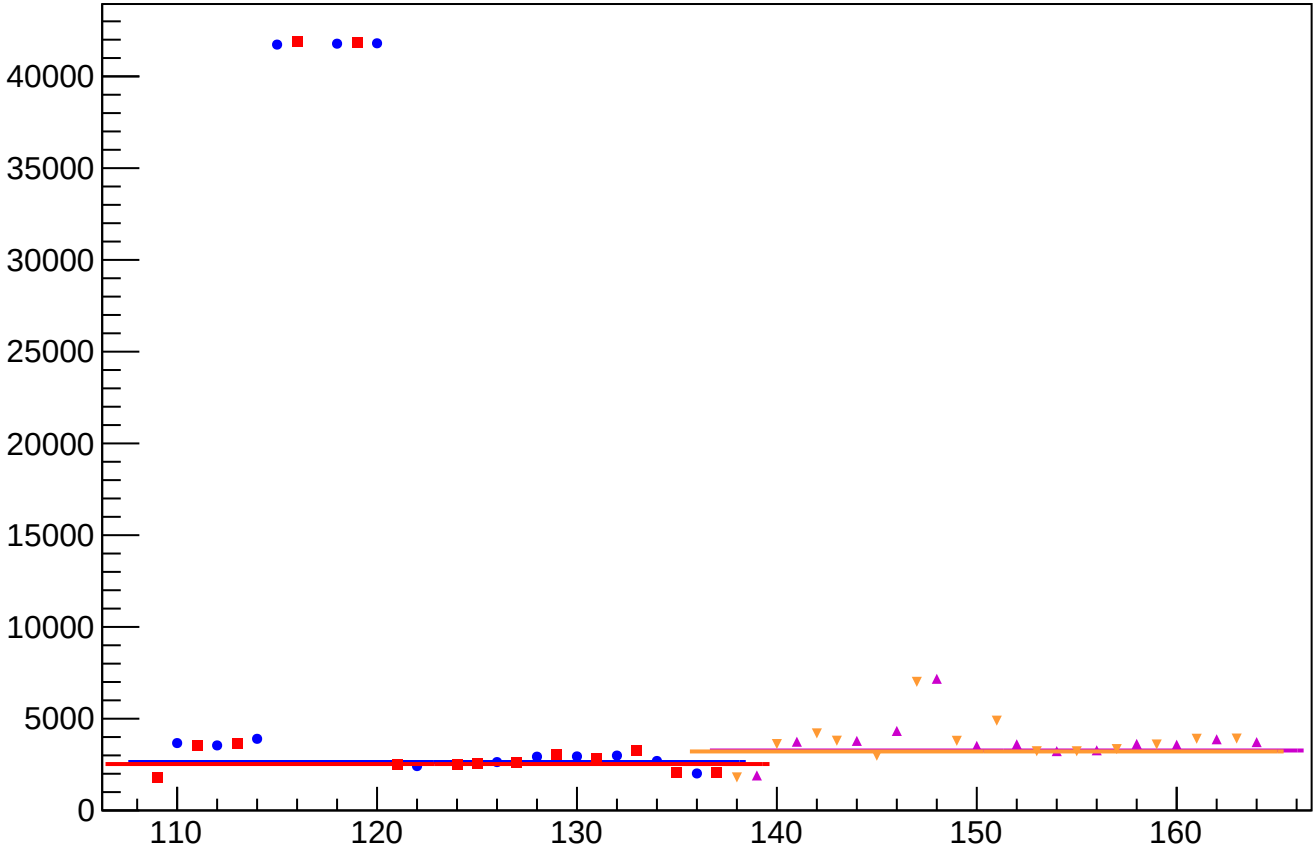
Left In: -0.368+/-1.036 χ^2/NDF:7.8/12

+ sign 0.390+/-0.788 χ^2/NDF: 41.3/26

All: -0.485+/-0.557 χ^2/NDF: 67.3/53

- 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: 3214.897+/-0.718 χ^2/NDF:1834741.0/13

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

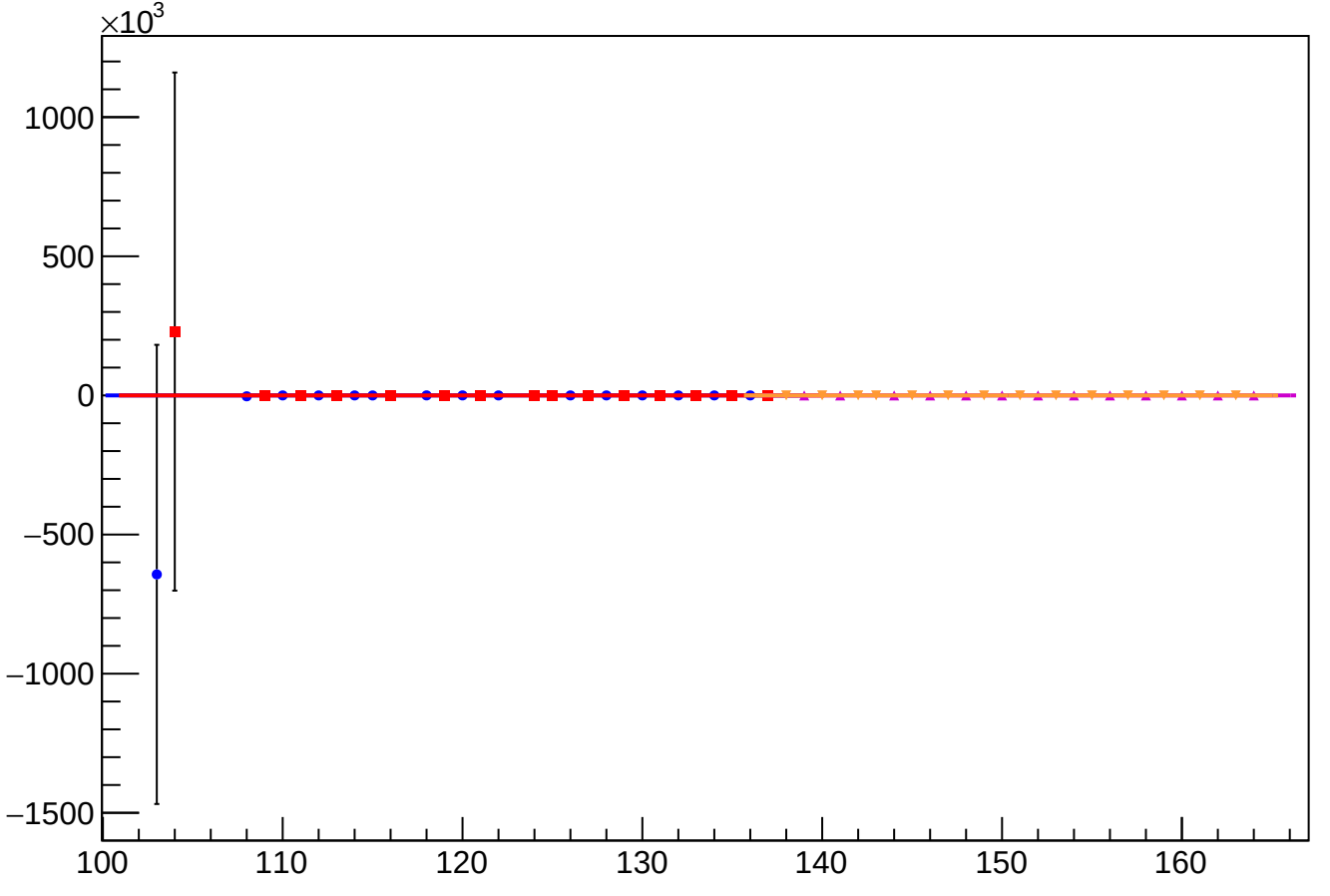
Left In: 3267.165+/-0.733 χ^2/NDF:1567440.4/12

+ sign 2985.881+/-0.557 χ^2/NDF: 4263407.4/26

All: 2970.496+/-0.394 χ^2/NDF: 8211307.0/53

- 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: -2.080+/-0.474 χ^2/NDF:26.2/13

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

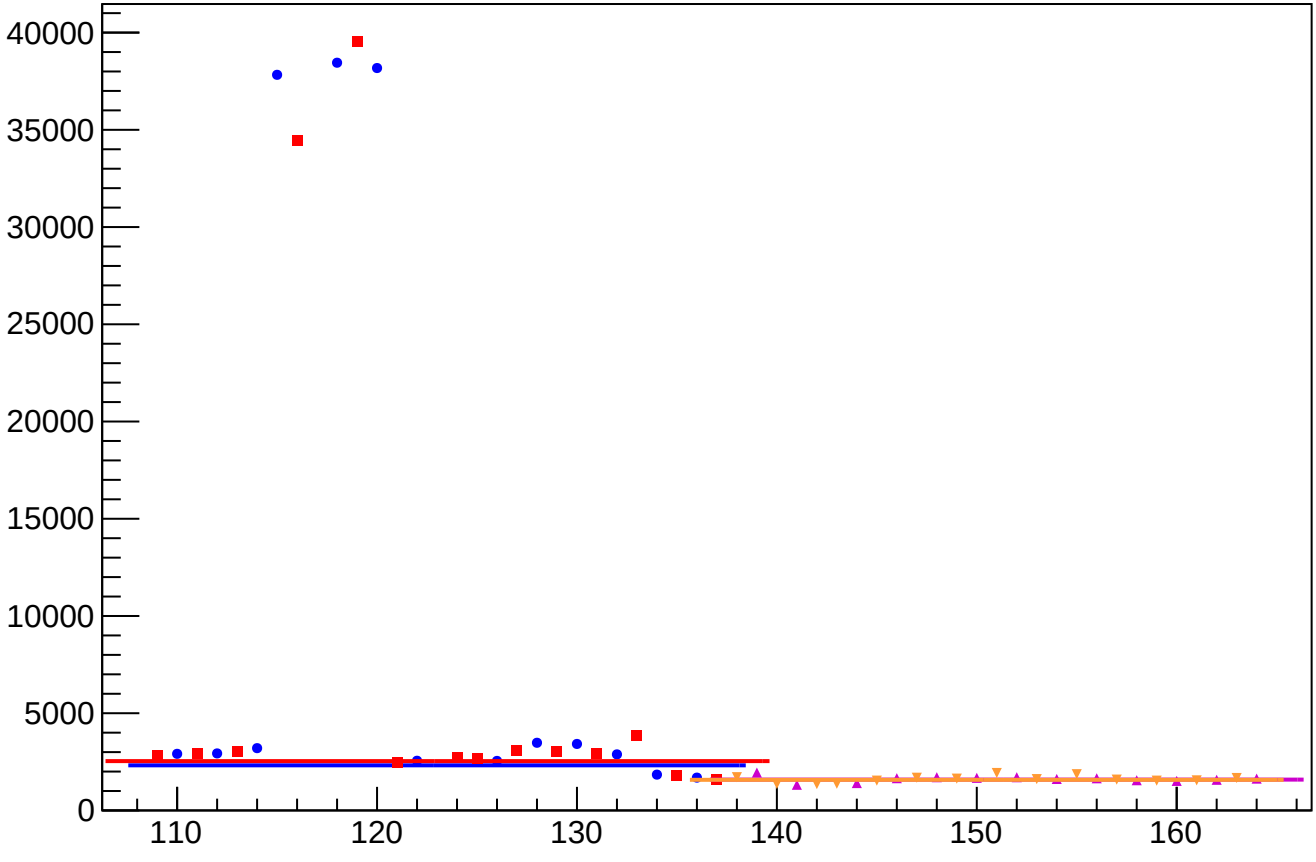
Left In: -0.089+/-0.482 χ^2/NDF:14.0/12

+ sign -1.949+/-0.437 χ^2/NDF: 45.5/28

All: -1.215+/-0.313 χ^2/NDF: 83.7/56

- 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: 1575.147+/-0.335 χ^2/NDF:223416.6/13

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

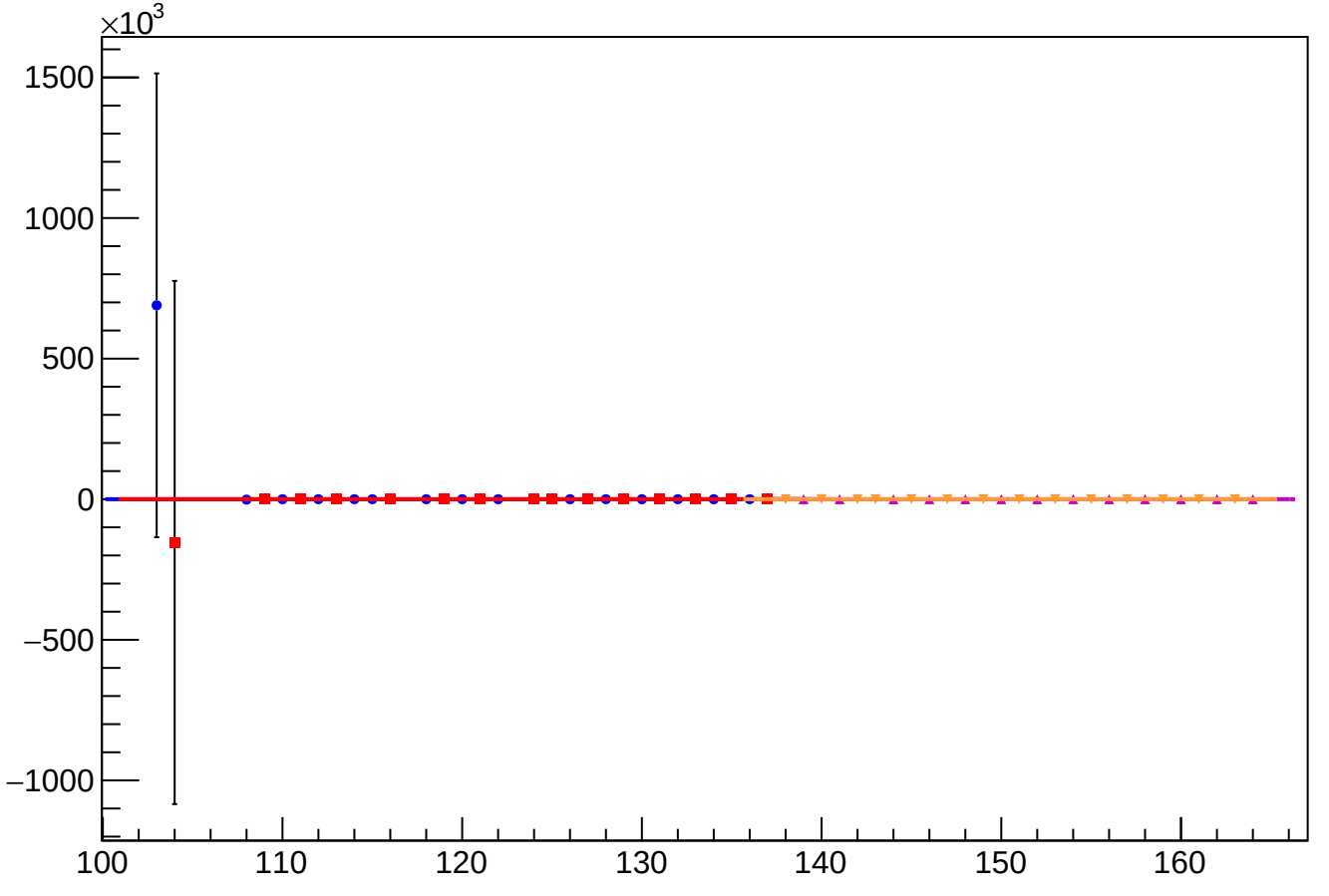
Left In: 1586.212+/-0.341 χ^2/NDF:191816.6/12

+ sign 1687.510+/-0.309 χ^2/NDF: 3429943.4/26

All: 1701.611+/-0.221 χ^2/NDF: 6729427.7/53

- 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: -0.831+/-0.650 χ^2/NDF:17.6/13

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

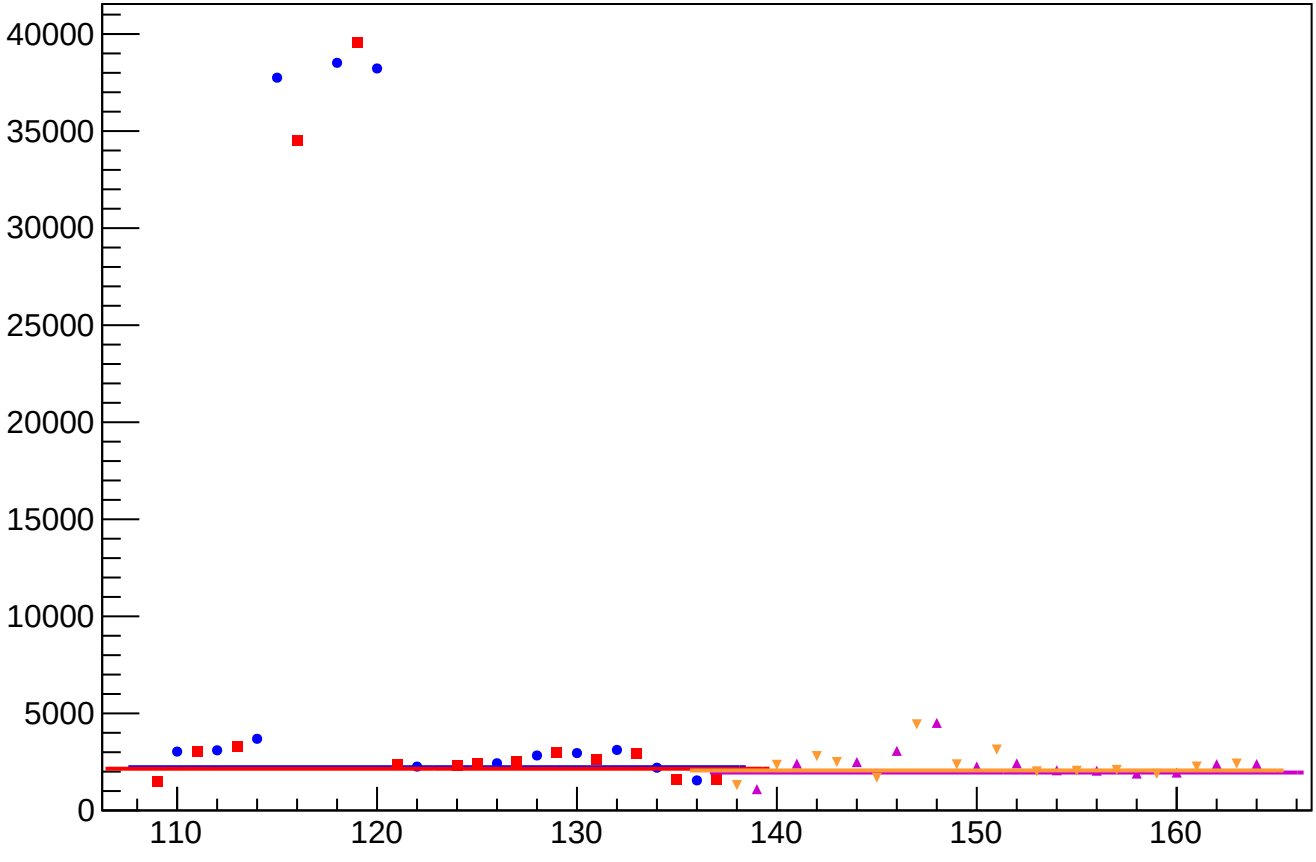
Left In: 0.306+/-0.628 χ^2/NDF:8.9/12

+ sign -0.153+/-0.556 χ^2/NDF: 26.7/28

All: -0.214+/-0.387 χ^2/NDF: 54.1/56

- 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: 2061.277+/-0.459 χ^2/NDF:1374004.0/13

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

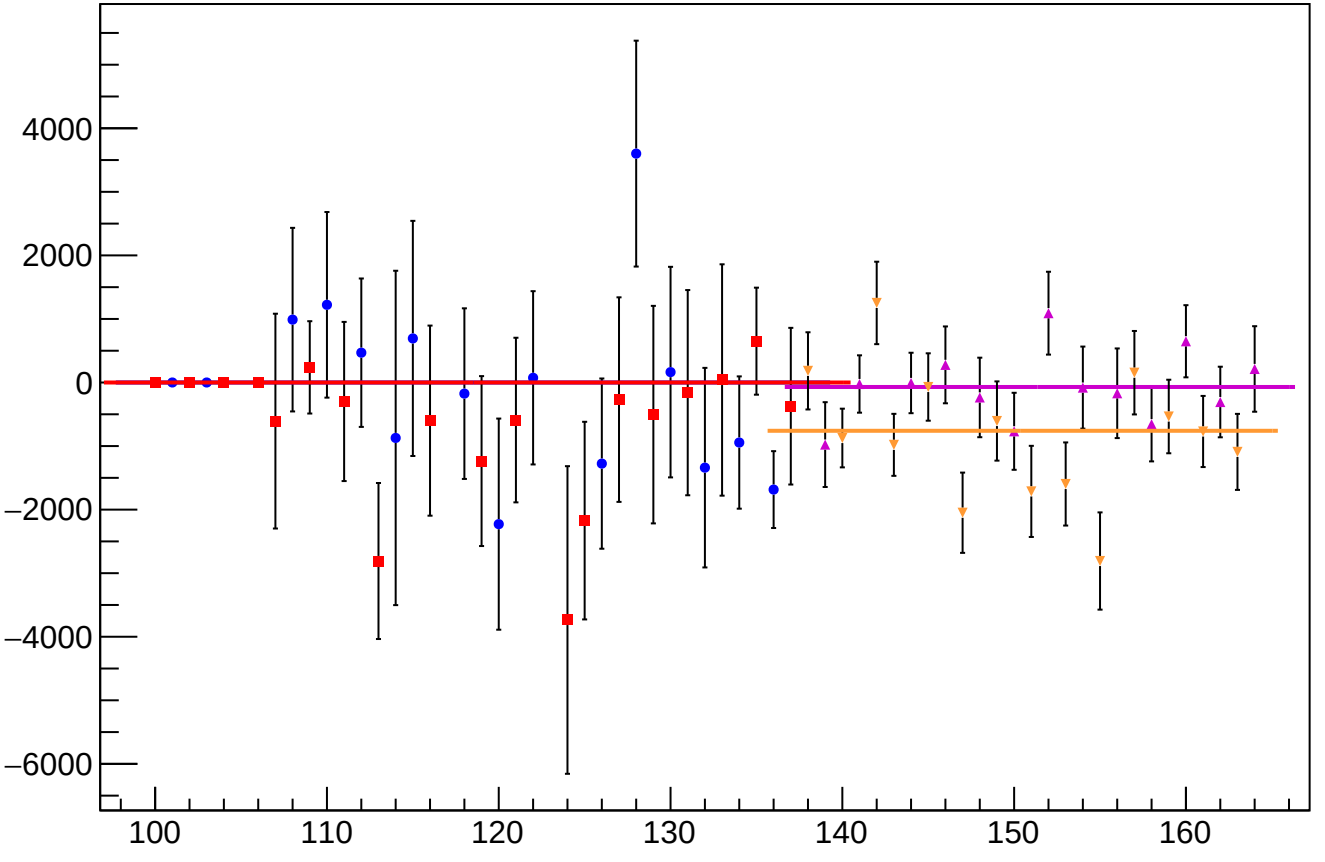
Left In: 1953.775+/-0.444 χ^2/NDF:2096279.5/12

+ sign 2105.500+/-0.393 χ^2/NDF: 3931020.7/26

All: 2054.008+/-0.274 χ^2/NDF: 8343647.9/53

- 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: -759.552+/-158.289 χ^2/NDF:31.2/13

Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

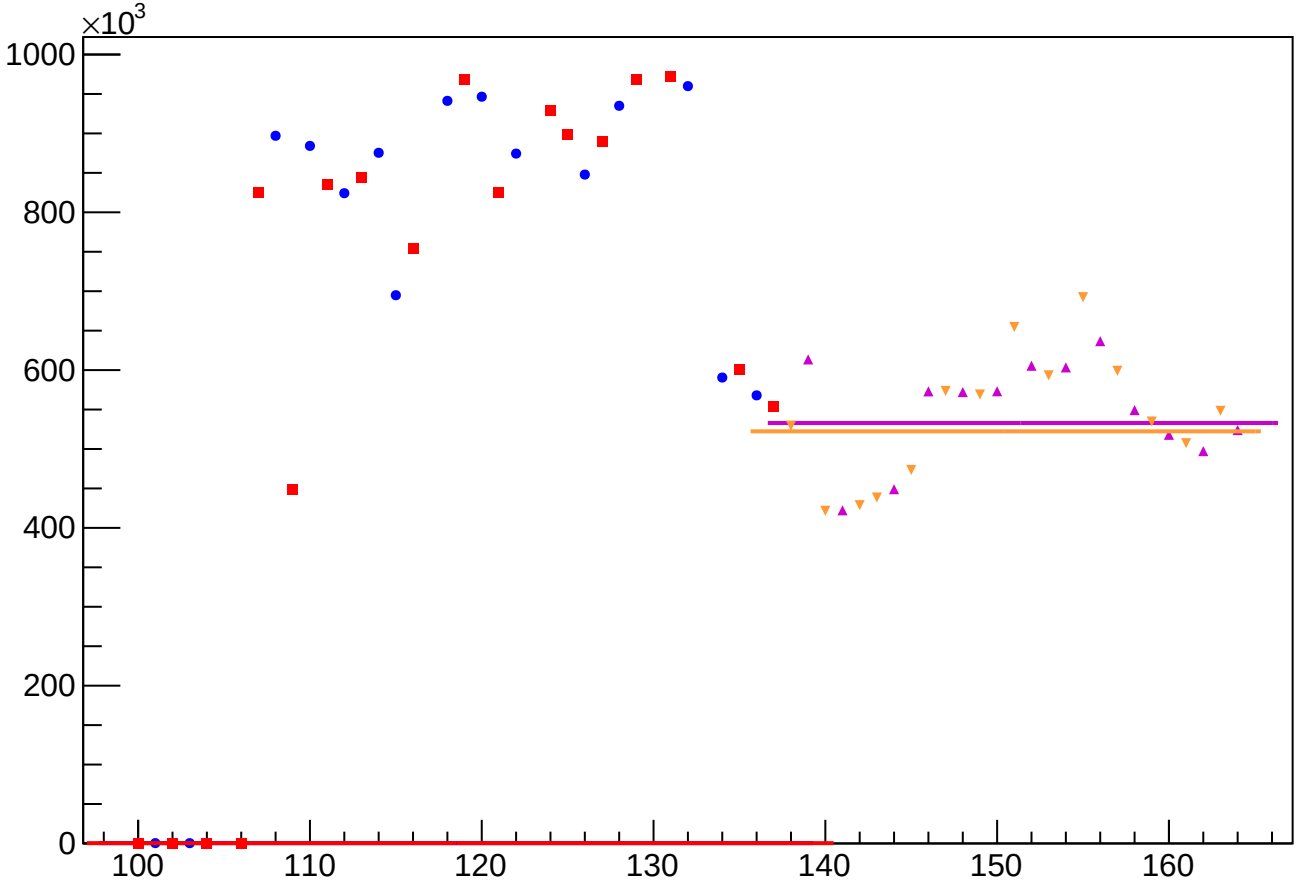
Left In: -70.357+/-162.582 χ^2/NDF:9.8/12

+ sign 0.252+/-0.356 χ^2/NDF: 72.0/29

All: 0.167+/-0.241 χ^2/NDF: 97.4/61

- sign 0.096+/-0.328 χ^2/NDF: 25.4/31

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522373.782+/-111.927 χ^2/NDF:461509.5/13

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

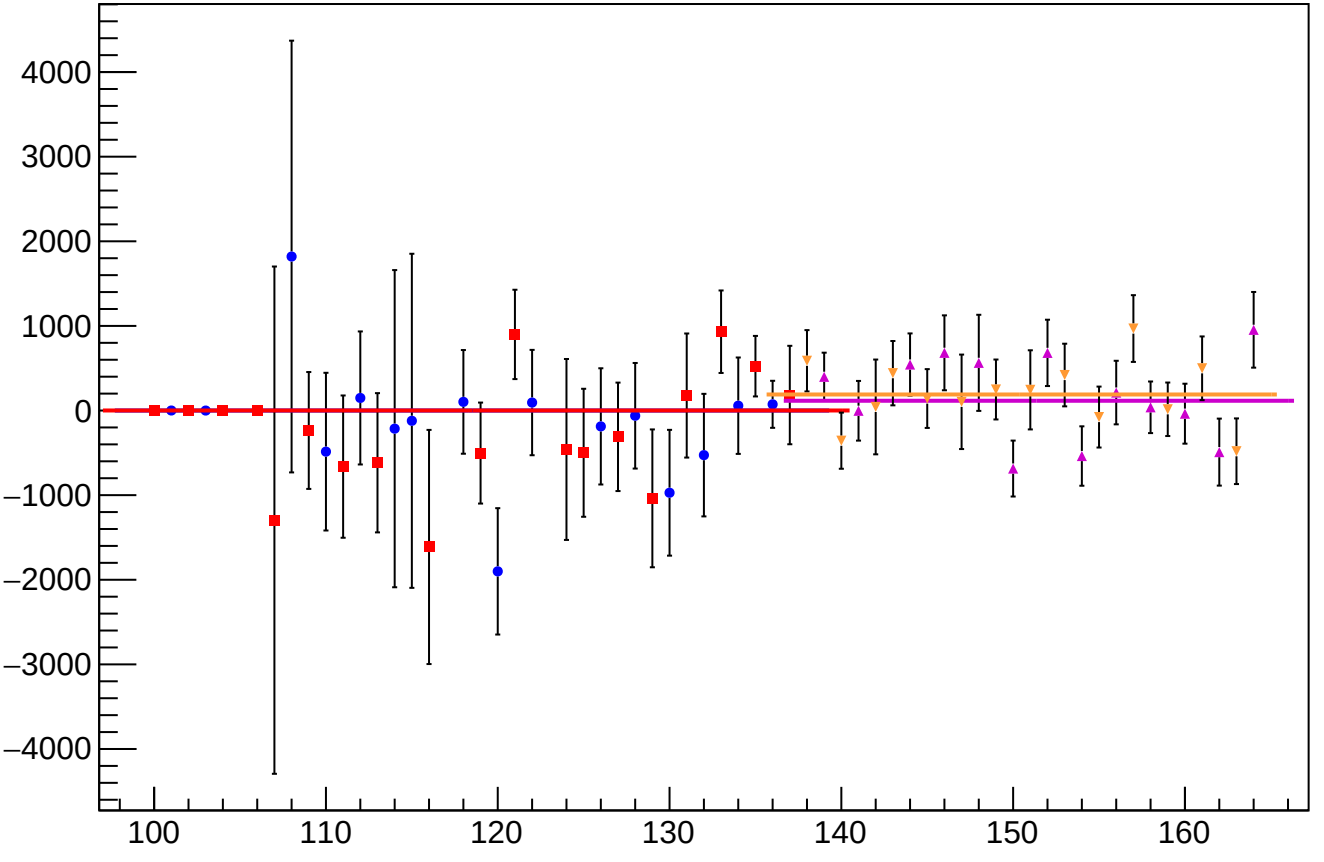
Left In: 532952.527+/-114.963 χ^2/NDF:340826.4/12

+ sign 401.516+/-0.251 χ^2/NDF: 30701686.2/28

All: 398.211+/-0.170 χ^2/NDF: 60150844.8/59

- 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: 189.618+/-102.061 χ^2/NDF:13.3/13

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

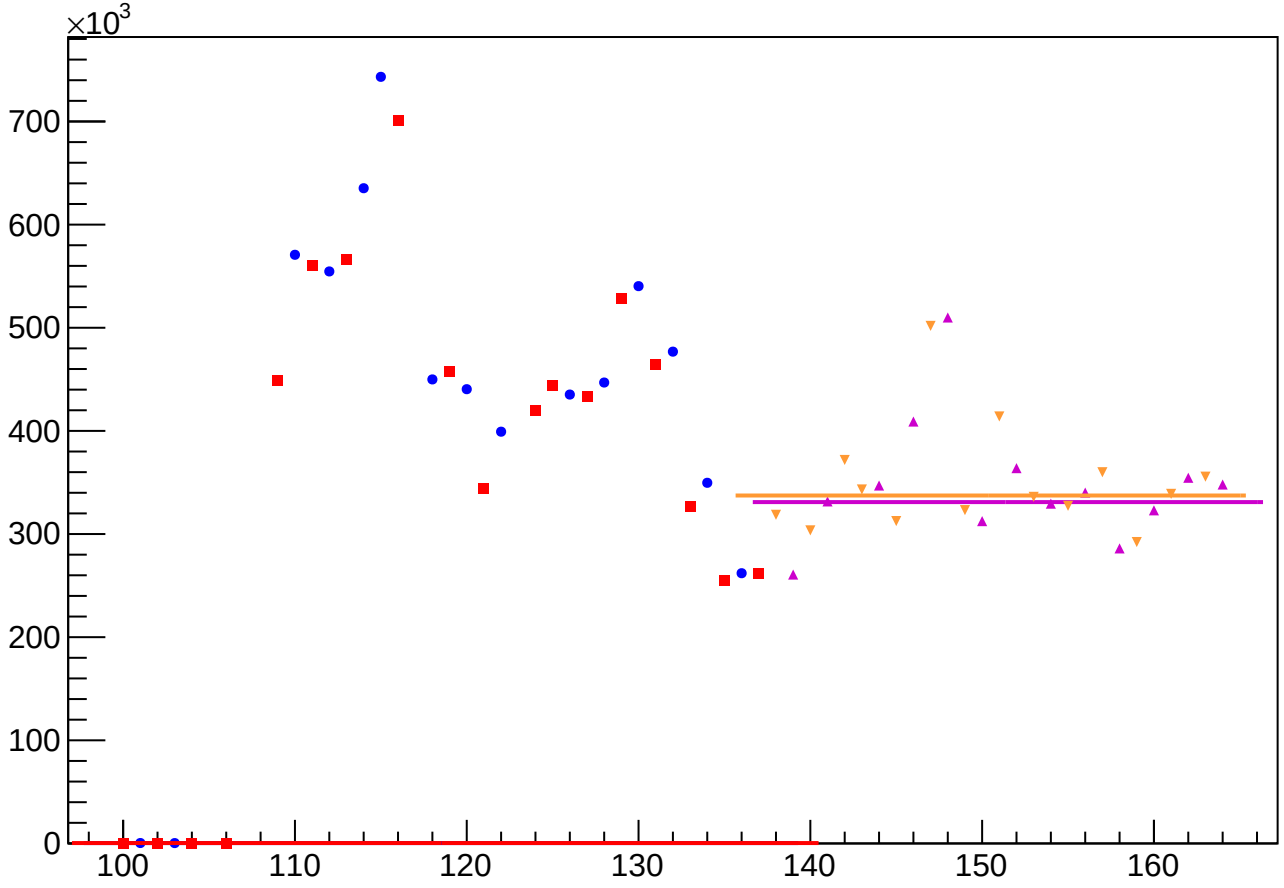
Left In: 115.383+/-101.574 χ^2/NDF:22.3/12

+ sign -0.018+/-0.347 χ^2/NDF: 27.2/29

All: 0.312+/-0.237 χ^2/NDF: 67.5/61

- 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: 337358.887+/-72.168 χ^2/NDF:328191.4/13

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

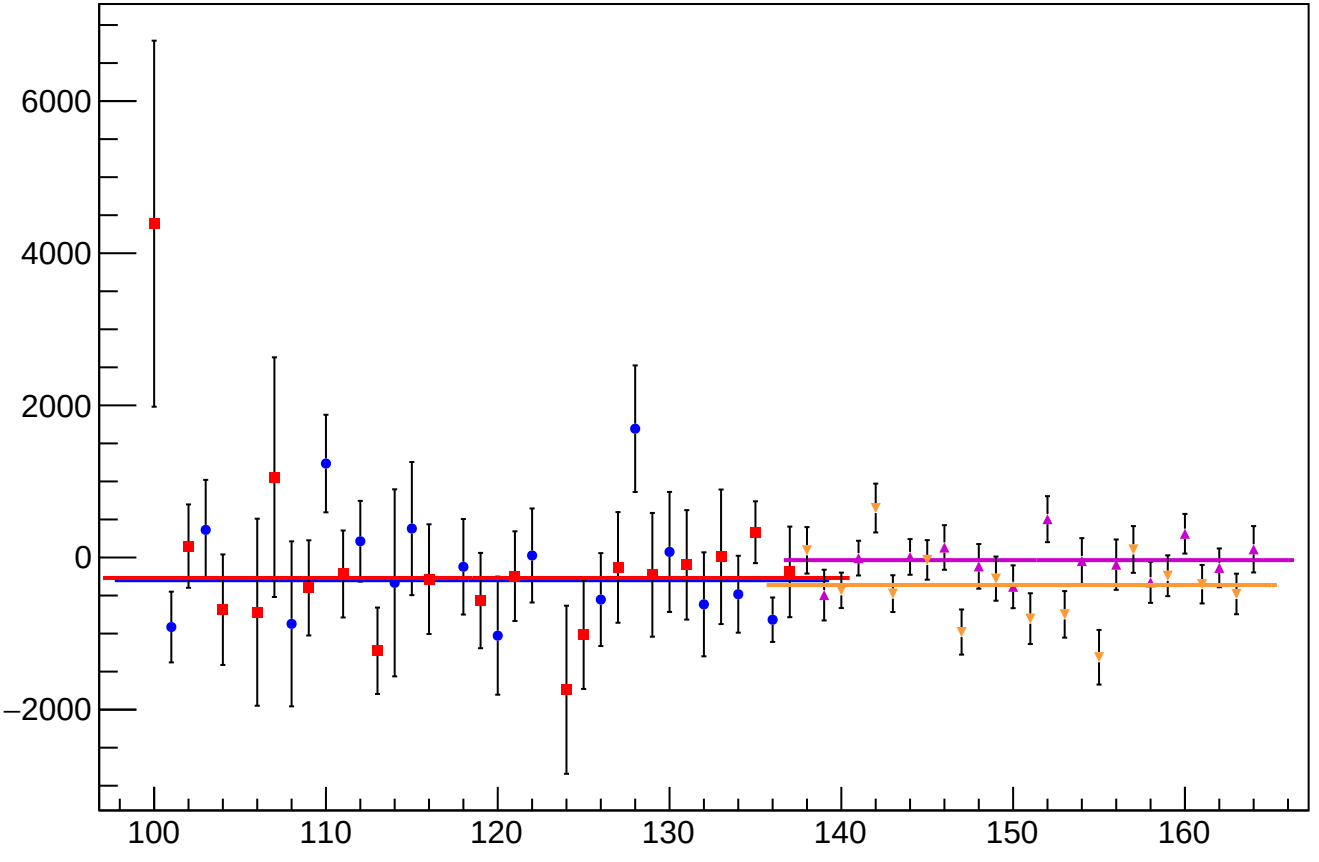
Left In: 330965.189+/-71.829 χ^2/NDF:462126.4/12

+ sign 394.173+/-0.245 χ^2/NDF: 33261945.8/28

All: 392.660+/-0.167 χ^2/NDF: 65979167.5/59

- 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: -361.523+/-75.477 χ^2/NDF:31.5/13

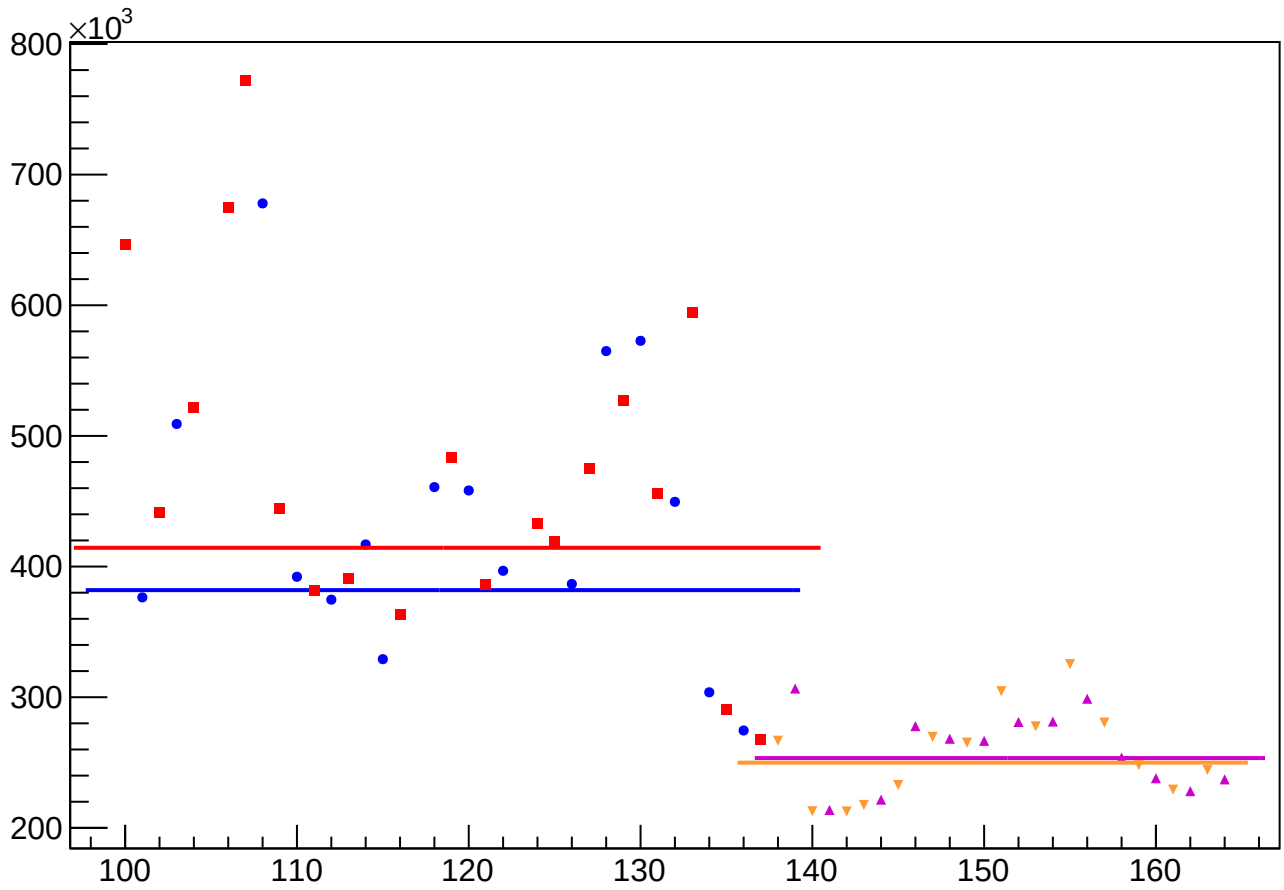
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -34.452+/-77.169 χ^2/NDF:10.4/12

+ sign -348.377+/-67.179 χ^2/NDF: 52.9/29

All: -218.332+/-48.208 χ^2/NDF: 86.7/61

- 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: 249916.772+/-53.370 χ^2/NDF:335556.0/13

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

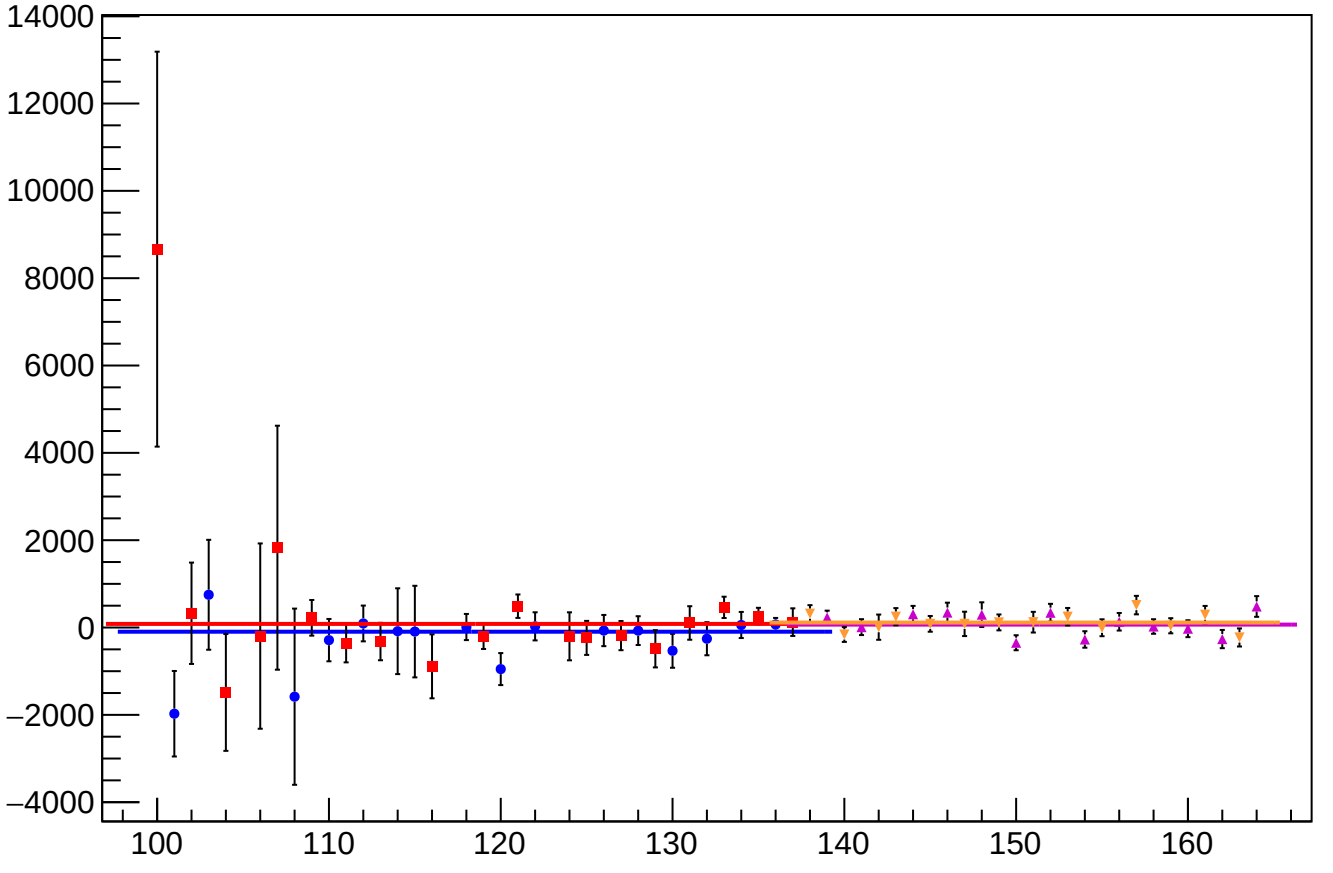
Left In: 253436.602+/-54.567 χ^2/NDF:275870.6/12

+ sign 277348.490+/-47.504 χ^2/NDF: 2443657.5/29

All: 280999.076+/-34.089 χ^2/NDF: 5191100.

- 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: 113.847+/-53.807 χ^2/NDF:12.4/13

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

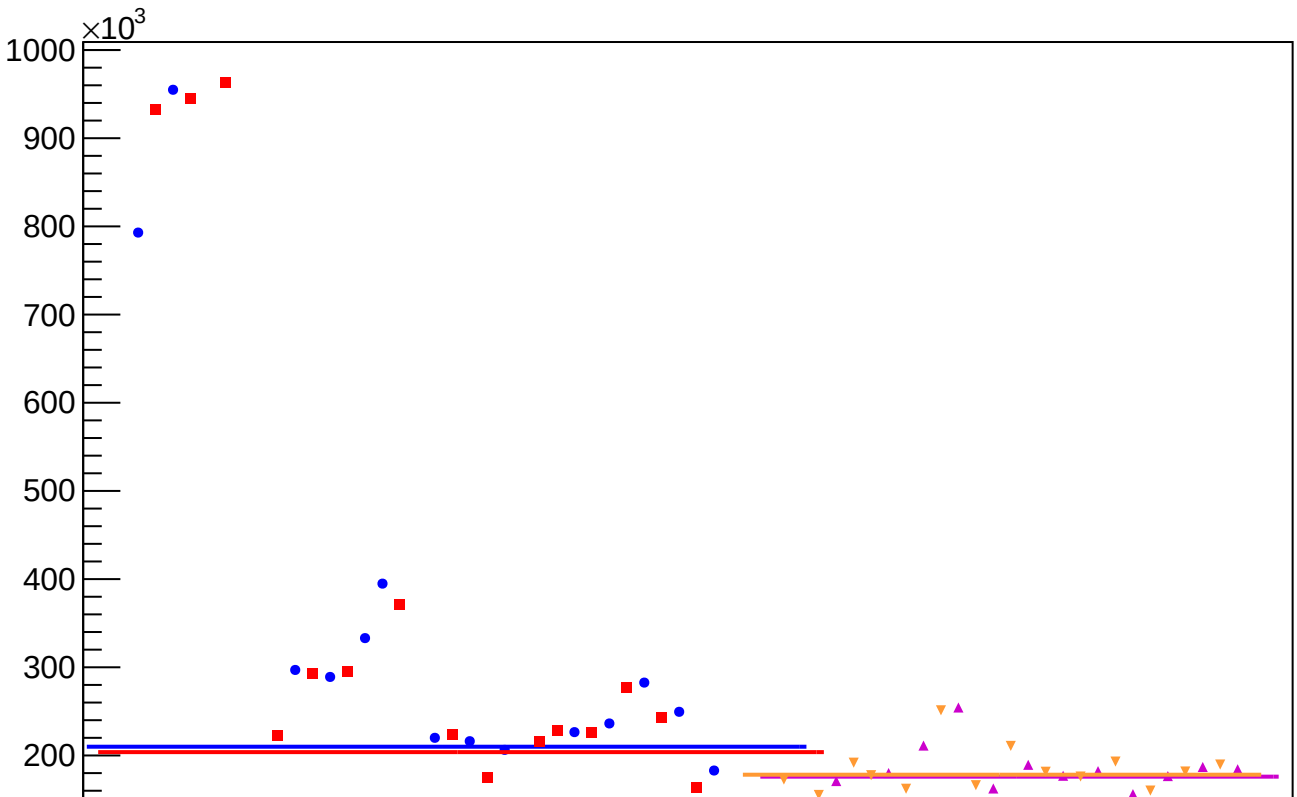
Left In: 66.933+/-53.830 χ^2/NDF:21.8/12

+ sign 57.035+/-45.943 χ^2/NDF: 30.2/29

All: 64.181+/-32.444 χ^2/NDF: 71.1/61

- 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: 178181.933+/-38.047 χ^2/NDF:280903.8/13

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

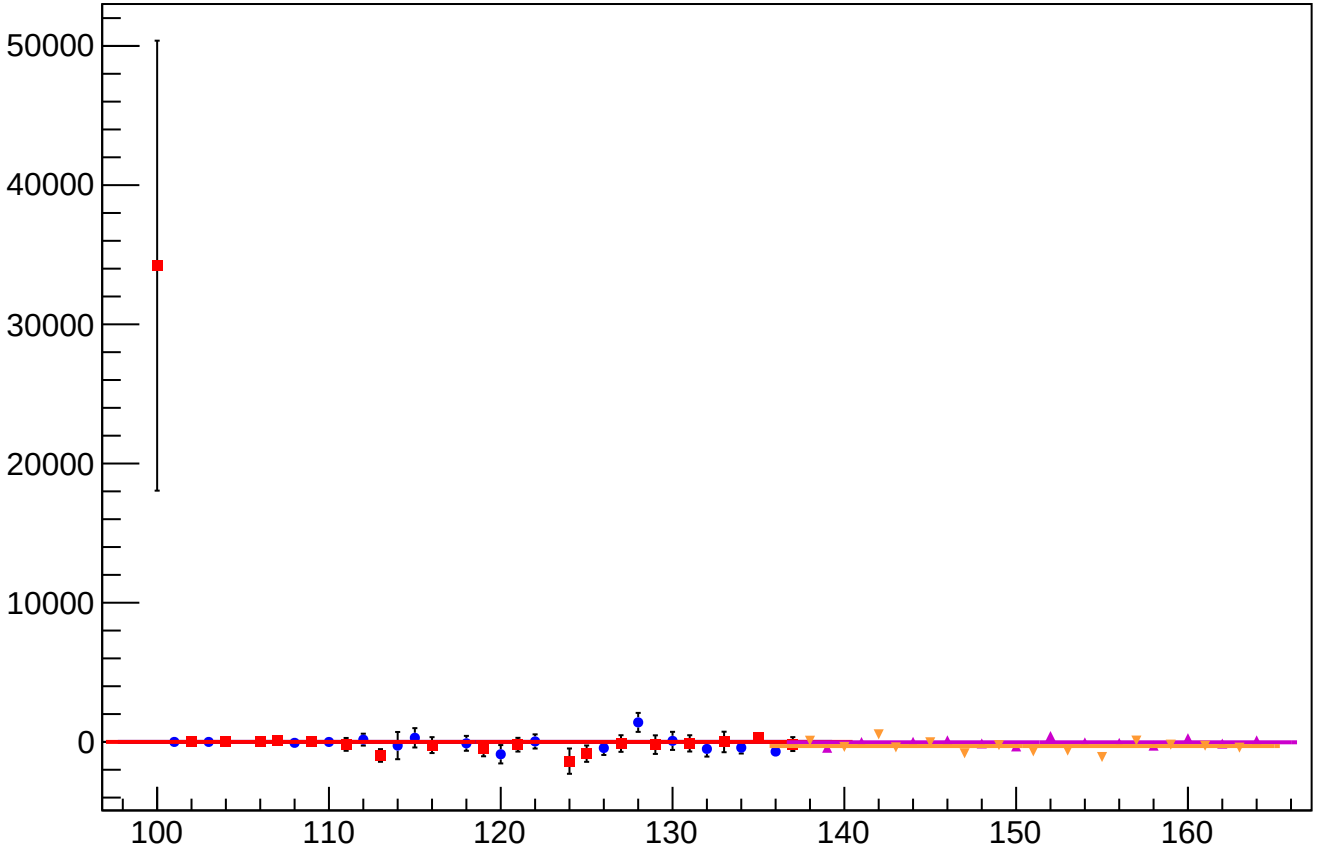
Left In: 175970.636+/-38.063 χ^2/NDF:357576.3/12

+ sign 186761.281+/-32.502 χ^2/NDF: 2428956.6/28

All: 185179.514+/-22.954 χ^2/NDF: 5008353.

- 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: -298.540+/-63.193 χ^2/NDF:31.6/13

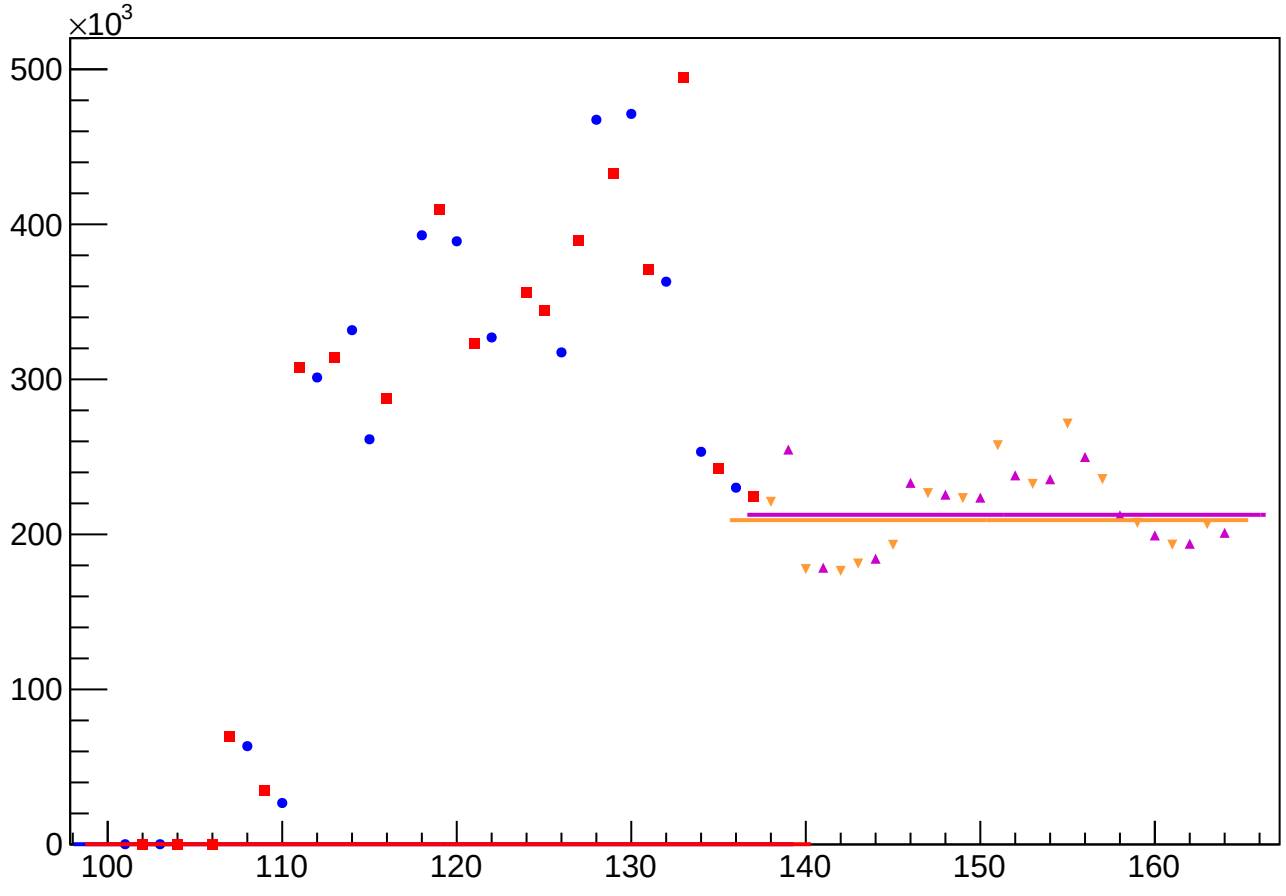
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -28.034+/-64.745 χ^2/NDF:10.5/12

+ sign -0.037+/-0.172 χ^2/NDF: 72.1/29

All: -0.208+/-0.117 χ^2/NDF: 101.1/61

- sign -0.355+/-0.160 χ^2/NDF: 27.2/31



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209173.257+/-44.684 χ^2/NDF:347304.5/13

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

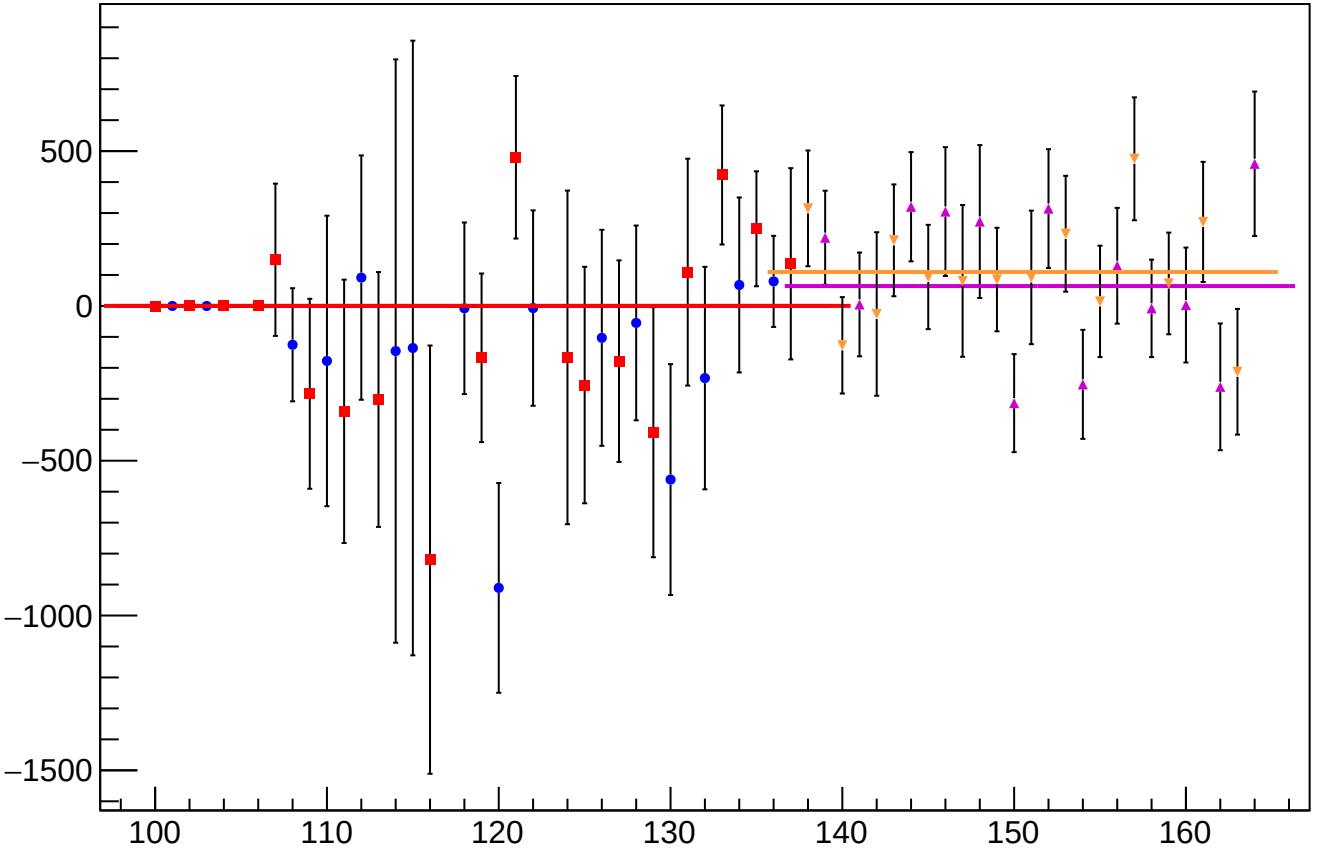
Left In: 212635.638+/-45.782 χ^2/NDF:275377.6/12

+ sign 150.645+/-0.122 χ^2/NDF: 33530825.3/29

All: 150.663+/-0.083 χ^2/NDF: 66636362.7/60

- 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: 109.540+/-50.210 χ^2/NDF:11.5/13

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

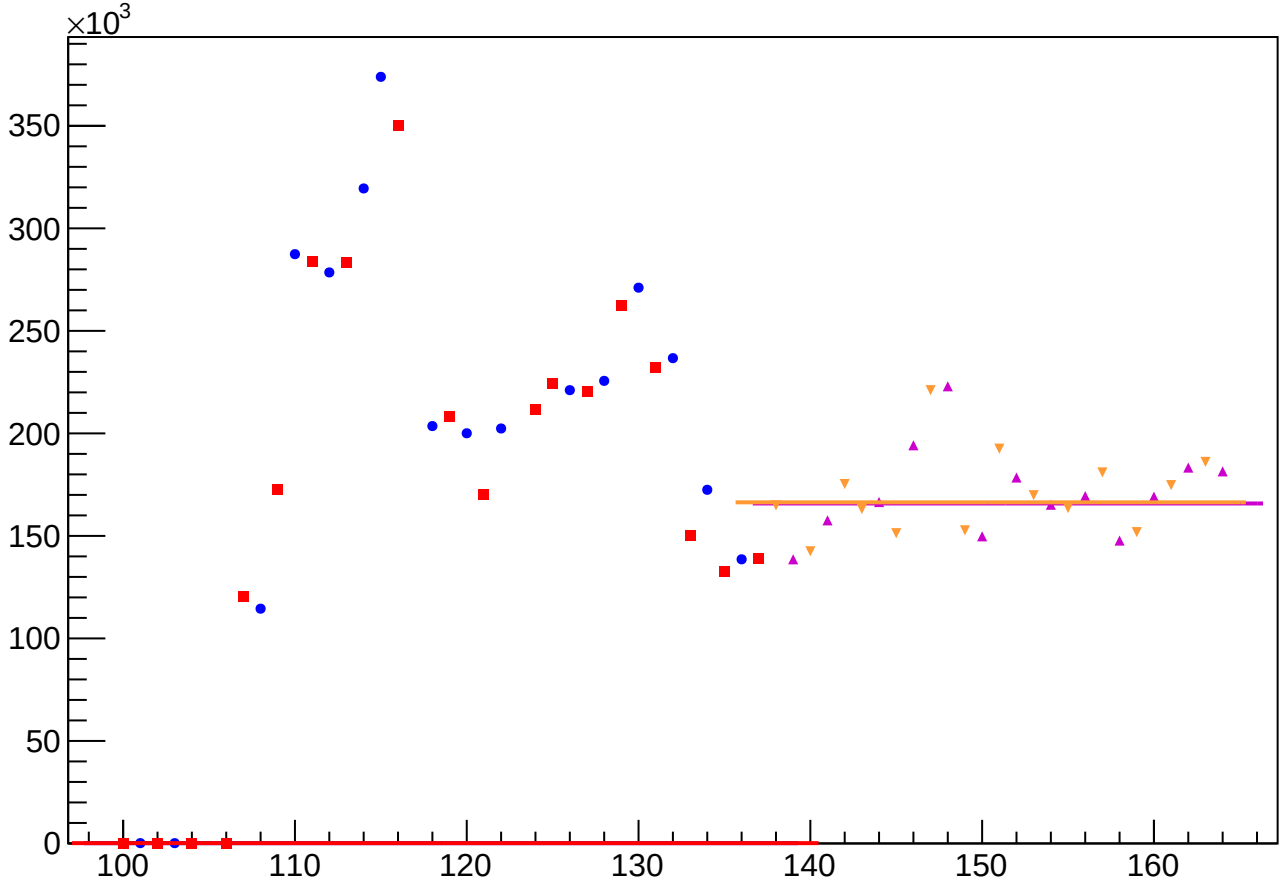
Left In: 64.199+/-50.631 χ^2/NDF:21.8/12

+ sign -0.067+/-0.177 χ^2/NDF: 27.5/29

All: 0.036+/-0.121 χ^2/NDF: 66.8/61

- 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: 166375.920+/-35.504 χ^2/NDF:258787.3/13

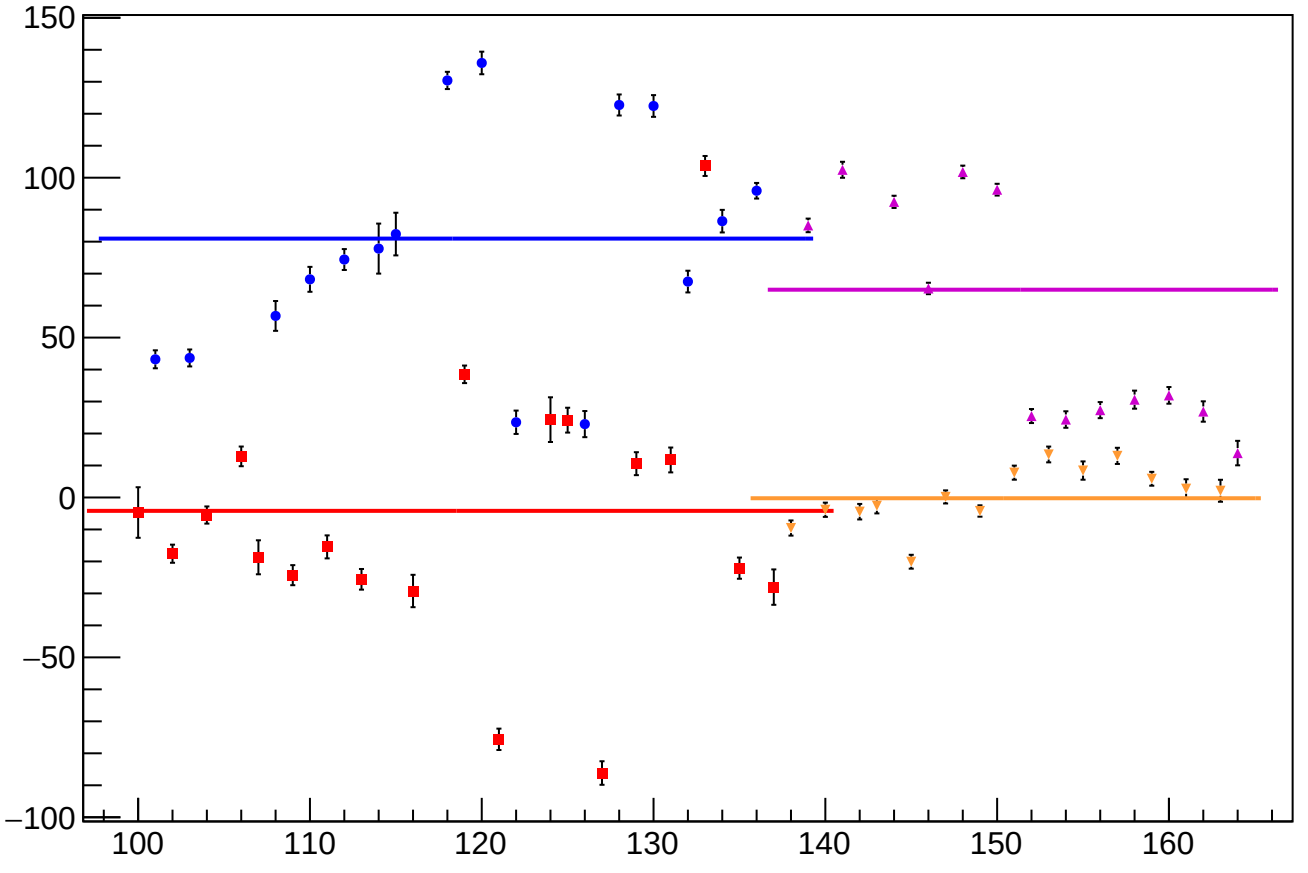
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165819.400+/-35.802 χ^2/NDF:294135.7/12

+ sign 155.531+/-0.125 χ^2/NDF: 34082996.8/29

All: 156.815+/-0.086 χ^2/NDF: 67119253.9/61

- sign 157.949+/-0.118 χ^2/NDF: 33036059.4/31



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.240+/-0.626 χ^2/NDF:200.8/13

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

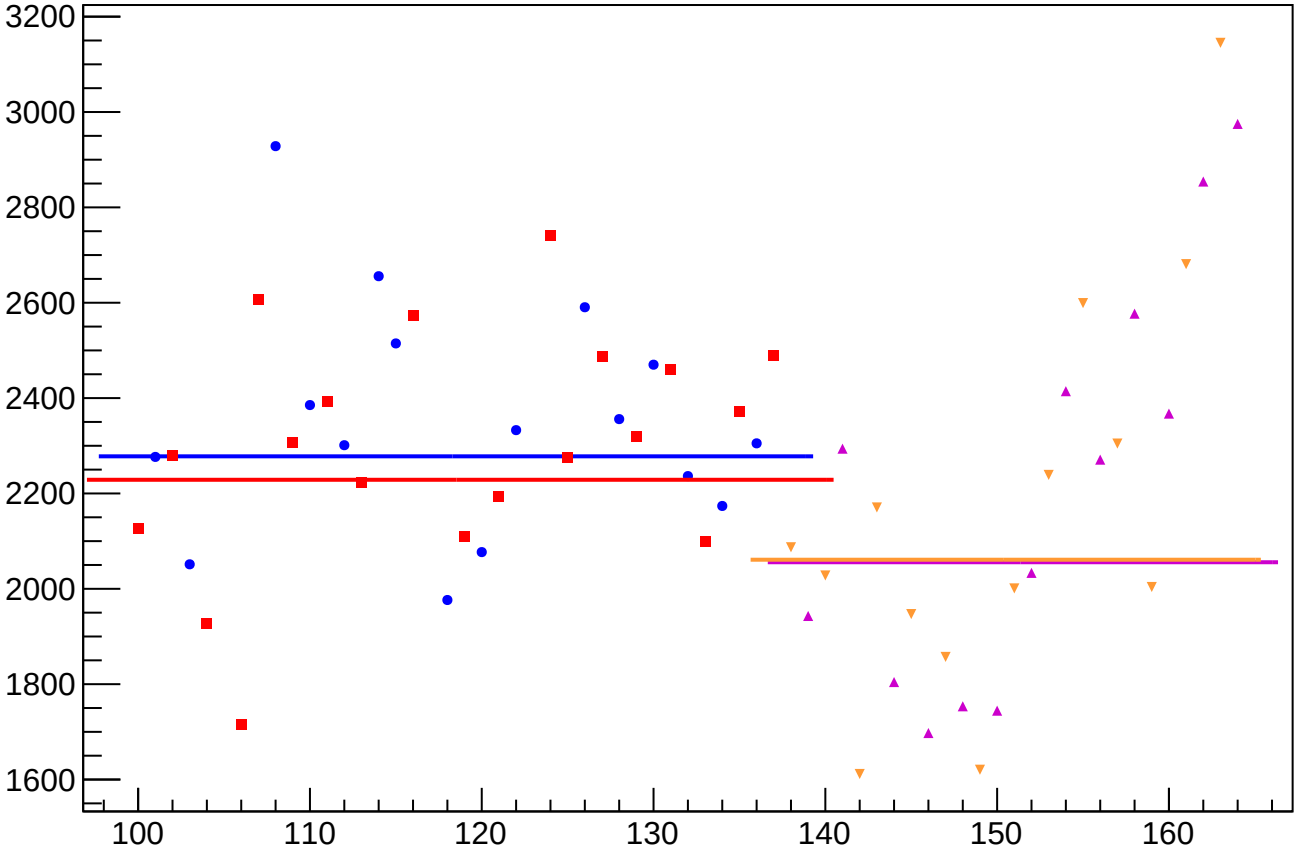
Left In: 64.974+/-0.636 χ^2/NDF:2580.8/12

+ sign 28.264+/-0.504 χ^2/NDF: 7915.9/29

All: 33.647+/-0.356 χ^2/NDF: 17882.8/61

- 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: 2061.026+/-0.443 χ^2/NDF:610865.5/13

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

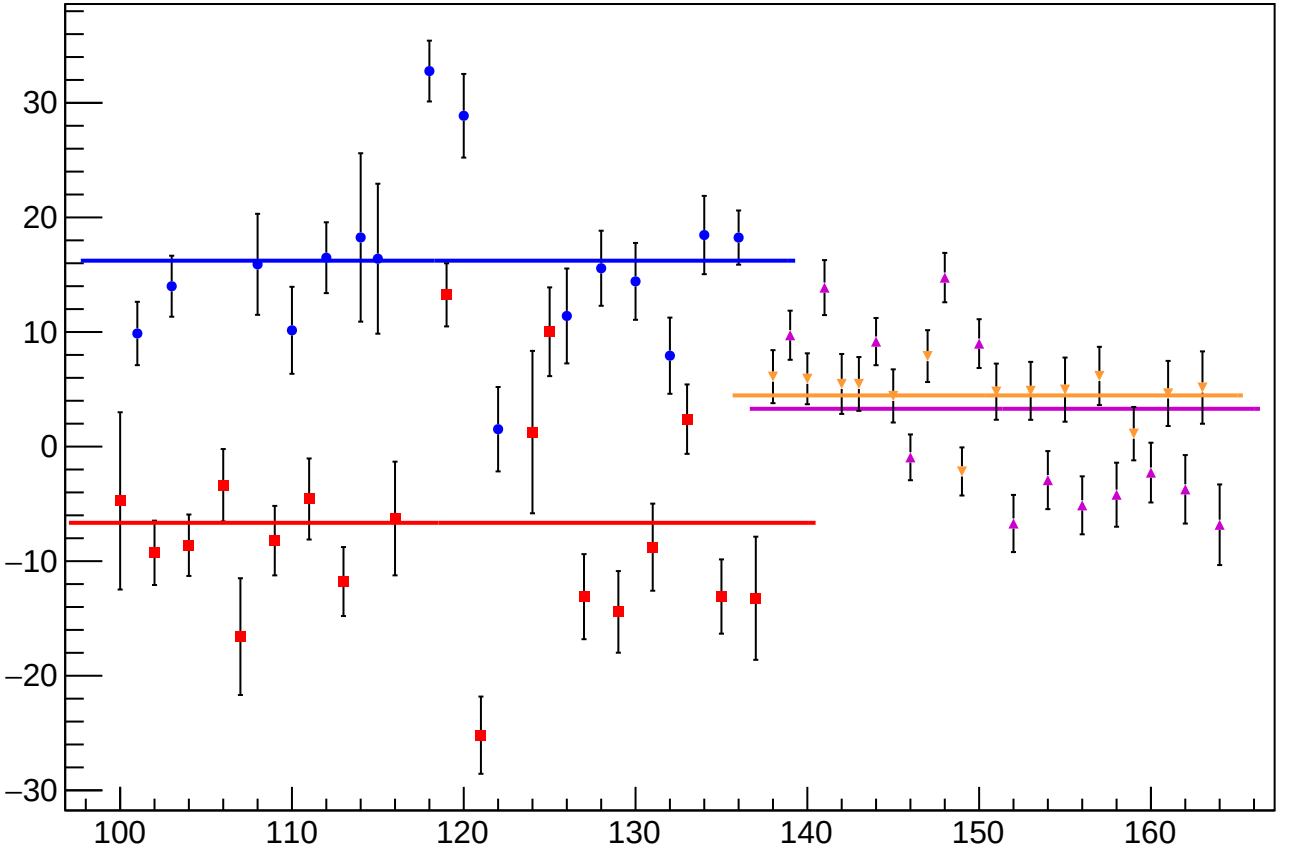
Left In: 2055.737+/-0.450 χ^2/NDF:632972.5/12

+ sign 2137.150+/-0.357 χ^2/NDF: 810814.6/29

All: 2128.903+/-0.252 χ^2/NDF: 1651519.1/61

- 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: 4.467+/-0.654 χ^2/NDF:16.2/13

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

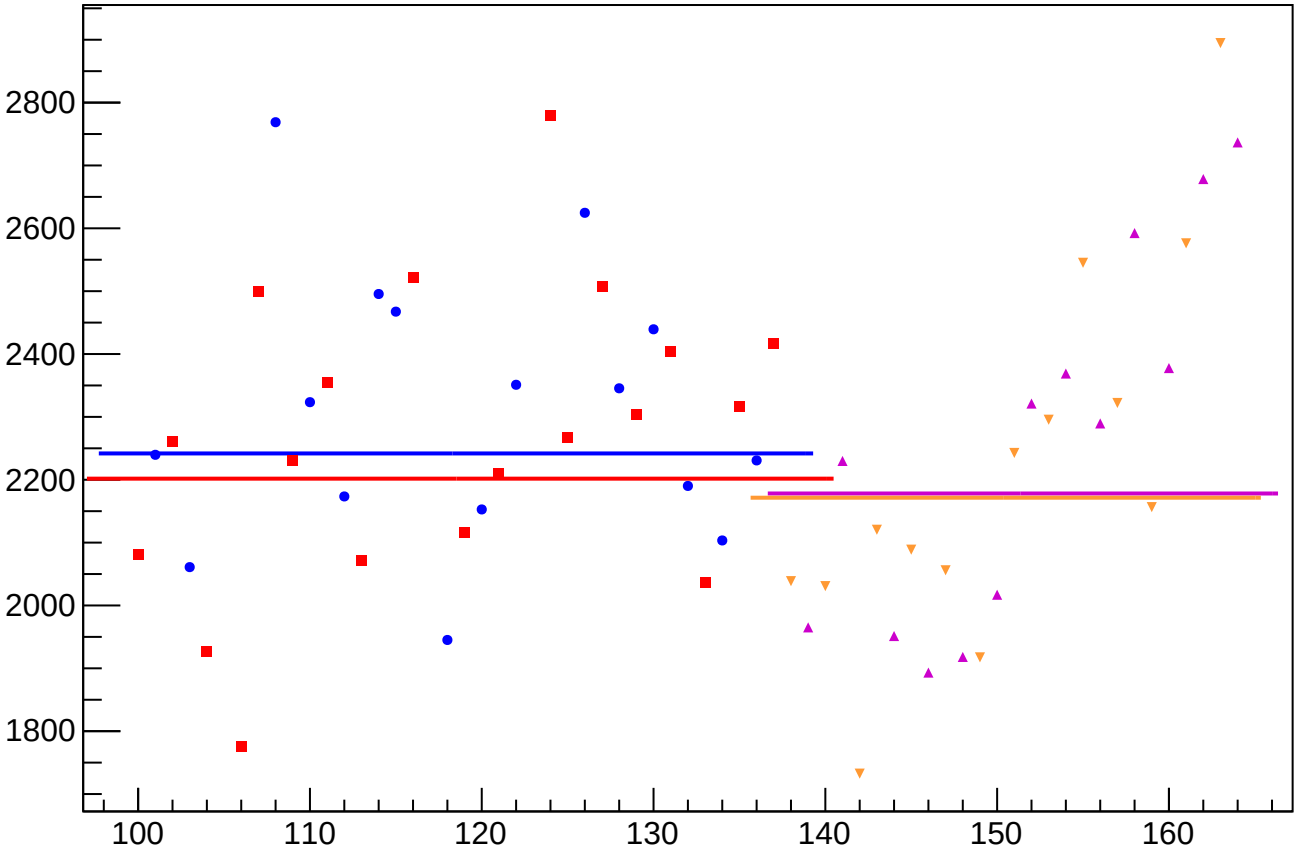
Left In: 3.298+/-0.666 χ^2/NDF:135.2/12

+ sign 8.921+/-0.515 χ^2/NDF: 223.1/29

All: 4.089+/-0.364 χ^2/NDF: 758.3/61

- 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: 2171.424+/-0.462 χ^2/NDF:303600.6/13

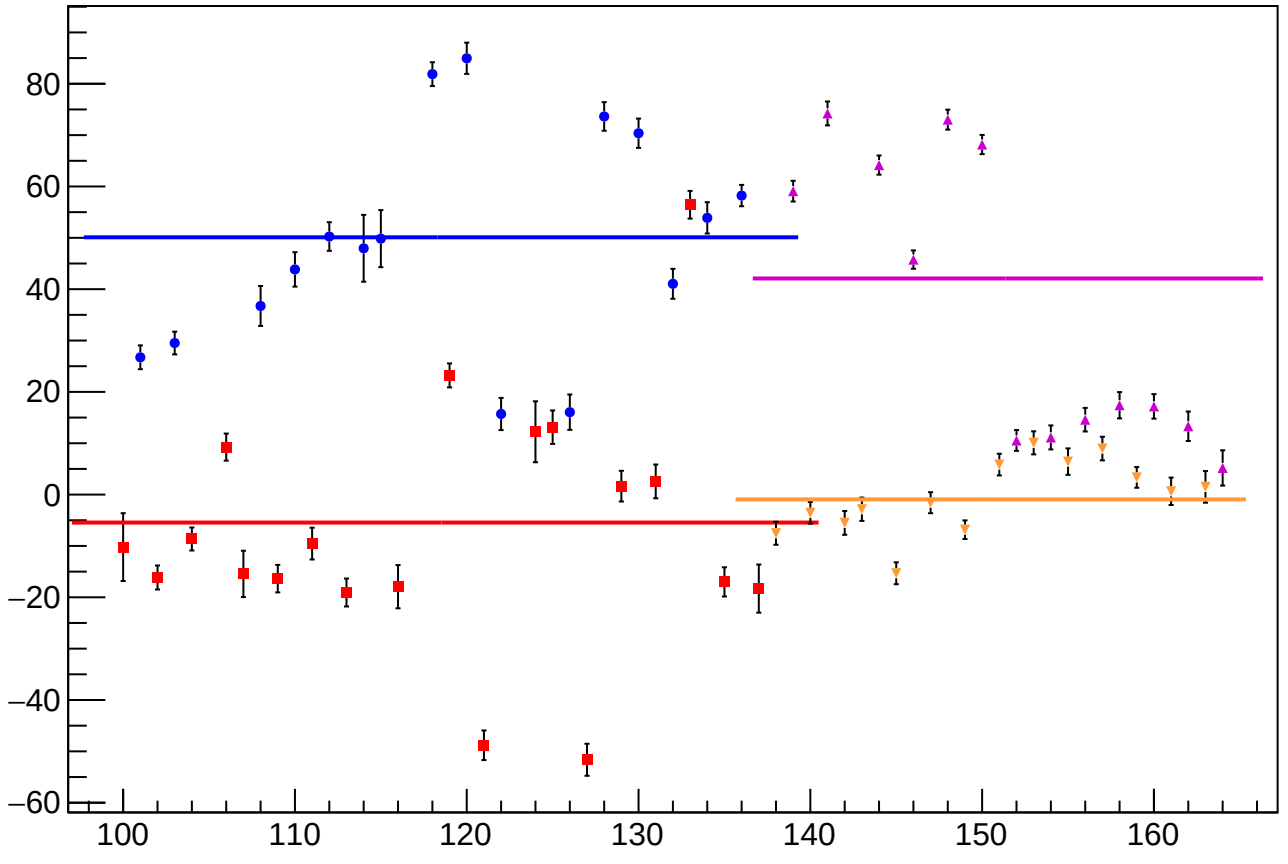
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2178.134+/-0.471 χ^2/NDF:309979.9/12

+ sign 2198.098+/-0.364 χ^2/NDF: 414646.2/29

All: 2192.871+/-0.257 χ^2/NDF: 855933.2/61

- sign 2187.667+/-0.364 χ^2/NDF: 440876.7/31



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.939+/-0.595 χ^2/NDF:137.6/13

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

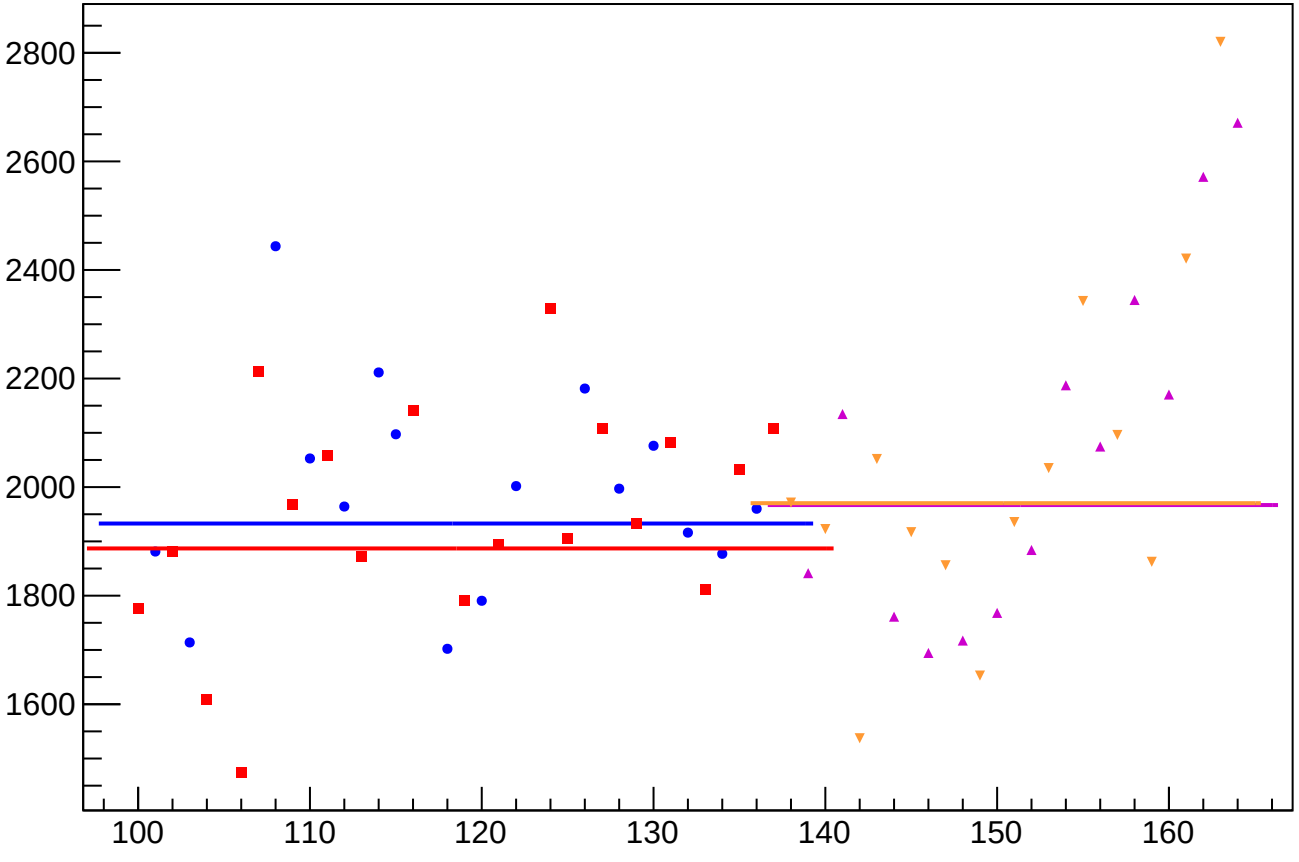
Left In: 42.087+/-0.605 χ^2/NDF:1833.1/12

+ sign 19.715+/-0.459 χ^2/NDF: 4000.4/29

All: 20.652+/-0.324 χ^2/NDF: 9817.5/61

- 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: 1970.400+/-0.421 χ^2/NDF:407080.7/13

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

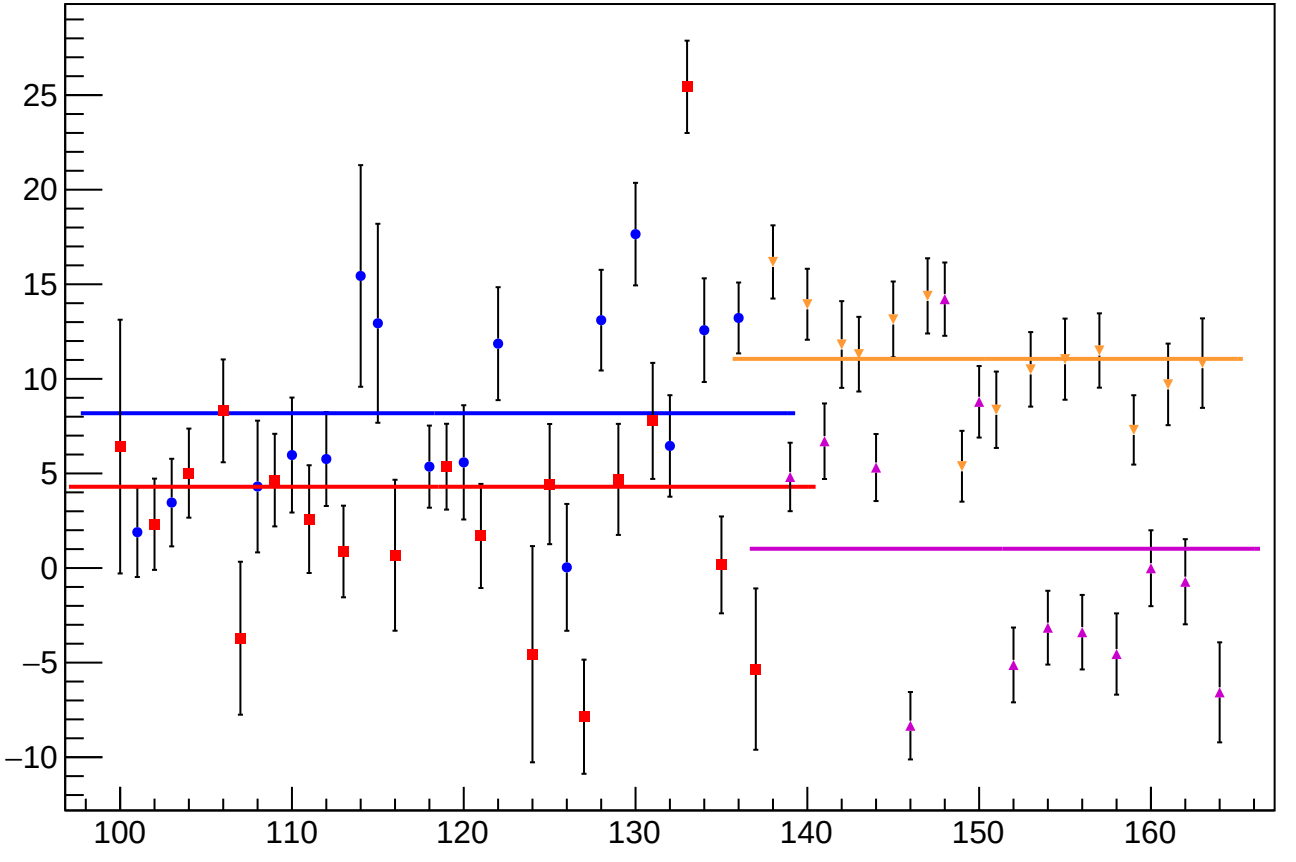
Left In: 1966.940+/-0.428 χ^2/NDF:400886.7/12

+ sign 1955.227+/-0.325 χ^2/NDF: 516258.4/29

All: 1943.753+/-0.229 χ^2/NDF: 1084439.6/61

- 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: 11.057+/-0.538 χ^2/NDF:29.1/13

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

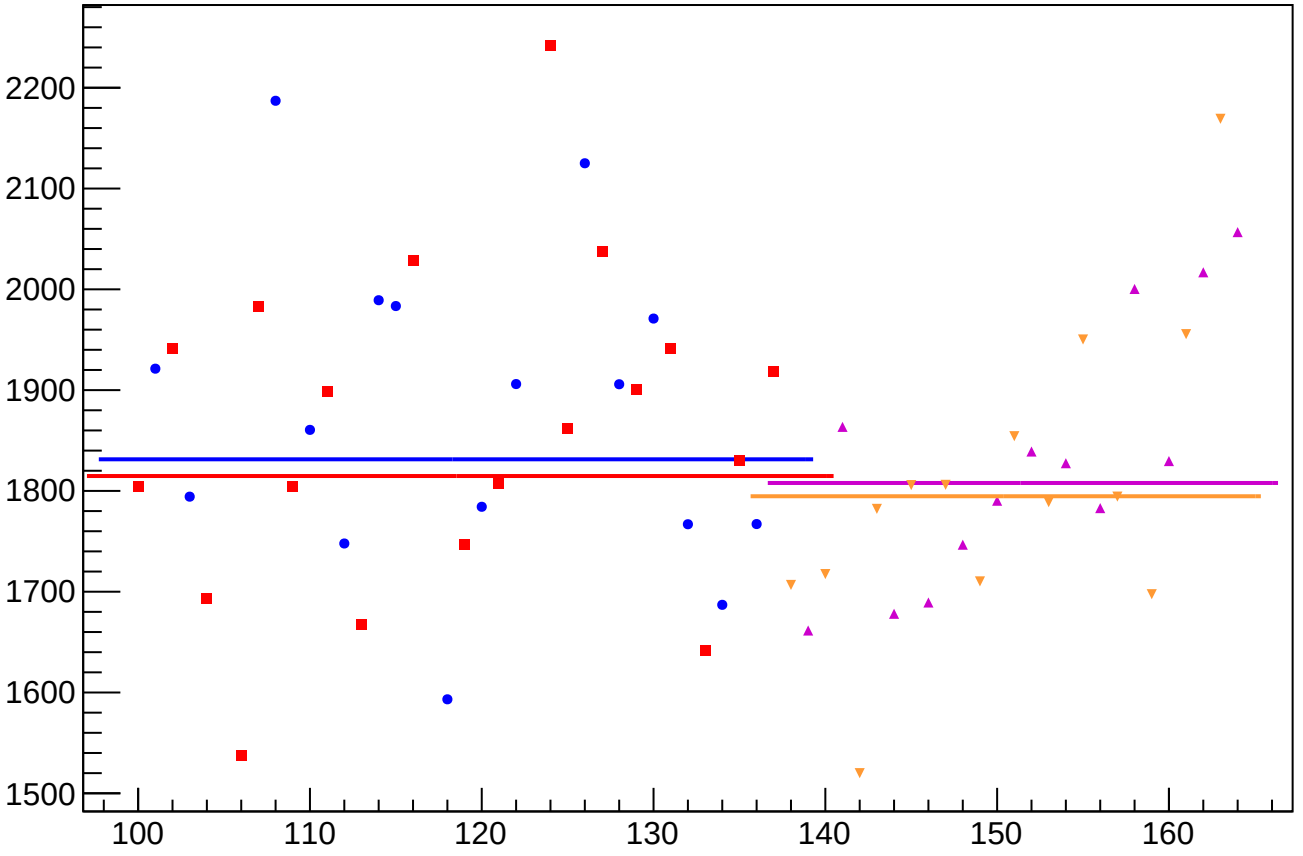
Left In: 1.019+/-0.549 χ^2/NDF:144.3/12

+ sign 9.958+/-0.423 χ^2/NDF: 92.0/29

All: 6.159+/-0.299 χ^2/NDF: 526.4/61

- 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: 1794.703+/-0.380 χ^2/NDF:119692.8/13

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

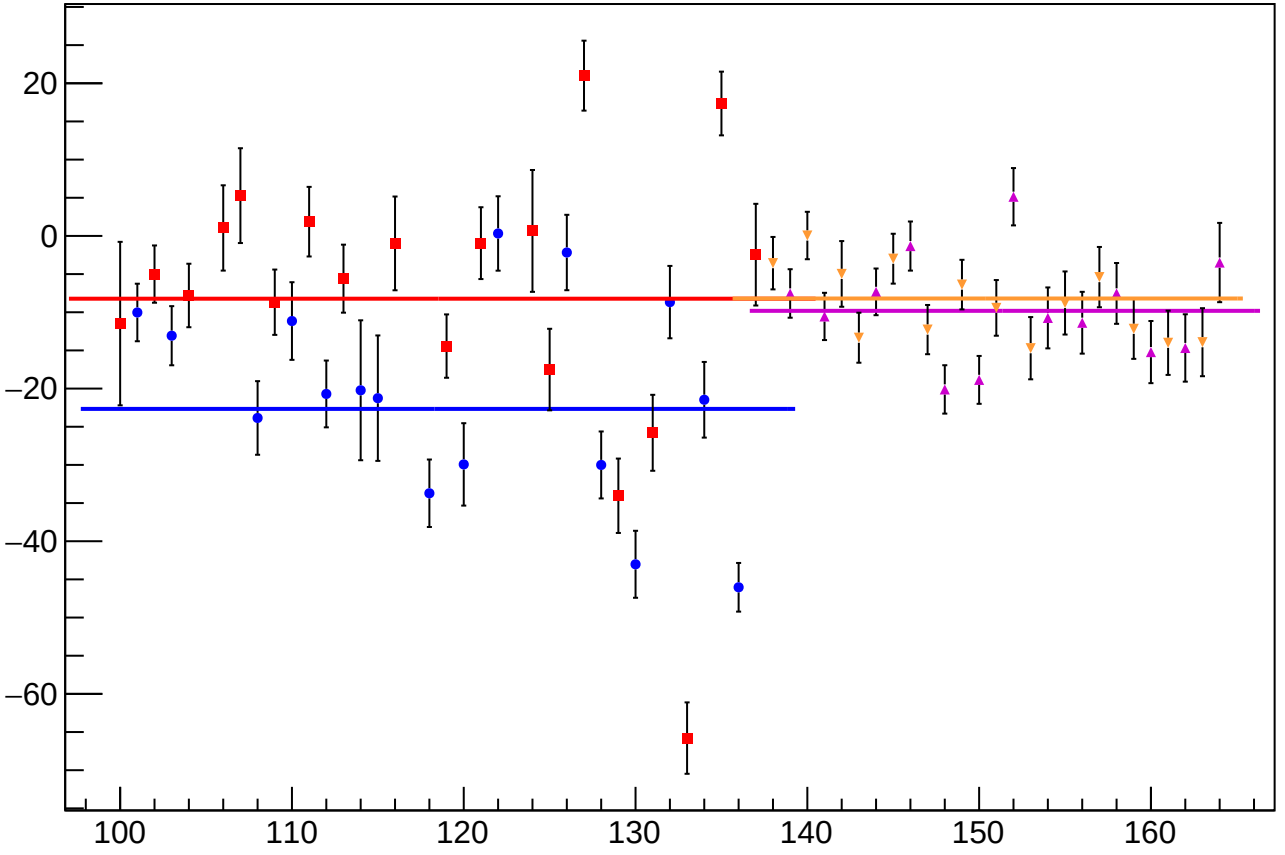
Left In: 1807.879+/-0.388 χ^2/NDF:88691.0/12

+ sign 1808.720+/-0.299 χ^2/NDF: 210164.0/29

All: 1809.694+/-0.212 χ^2/NDF: 389742.6/61

- 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: -8.198+/-0.976 χ^2/NDF:24.1/13

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

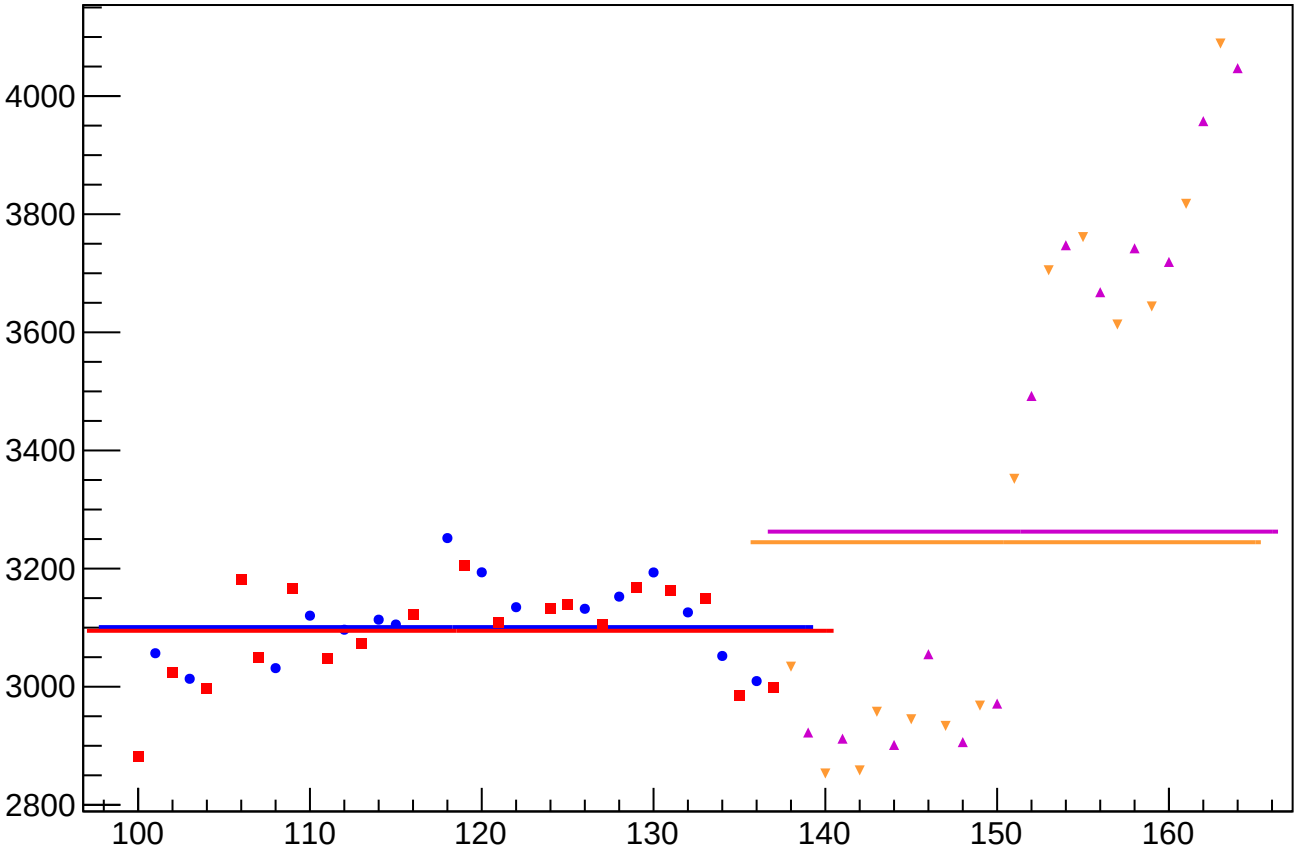
Left In: -9.815+/-0.993 χ^2/NDF:47.9/12

+ sign -14.243+/-0.745 χ^2/NDF: 273.1/29

All: -11.685+/-0.527 χ^2/NDF: 640.5/61

- 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: 3244.640+/-0.690 χ^2/NDF:326037.4/13

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

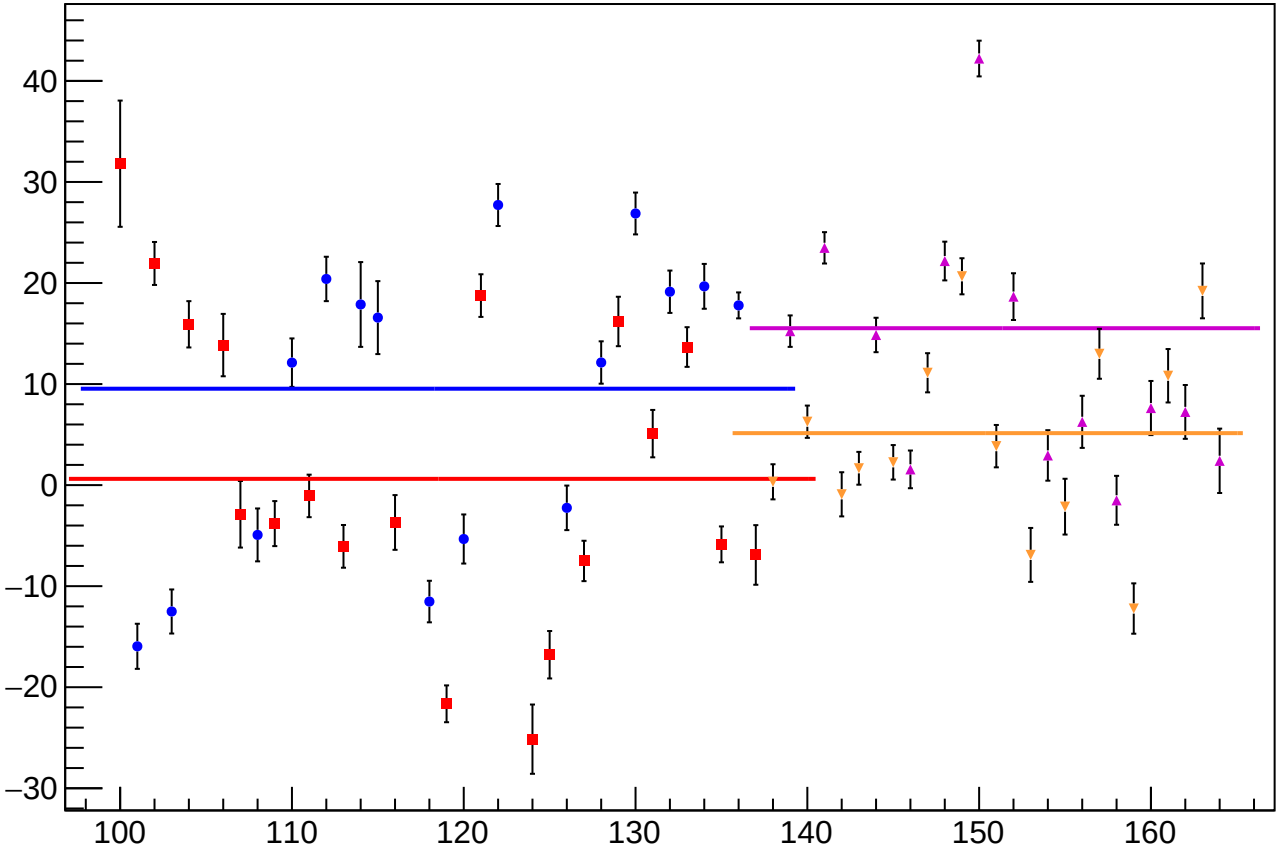
Left In: 3262.574+/-0.702 χ^2/NDF:333695.0/12

\+ sign 3184.581+/-0.527 χ^2/NDF: 352046.6/29

All: 3186.962+/-0.373 χ^2/NDF: 719311.4/61

\- sign 3189.348+/-0.527 χ^2/NDF: 367223.9/31

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.143+/-0.547 χ^2/NDF:226.2/13

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

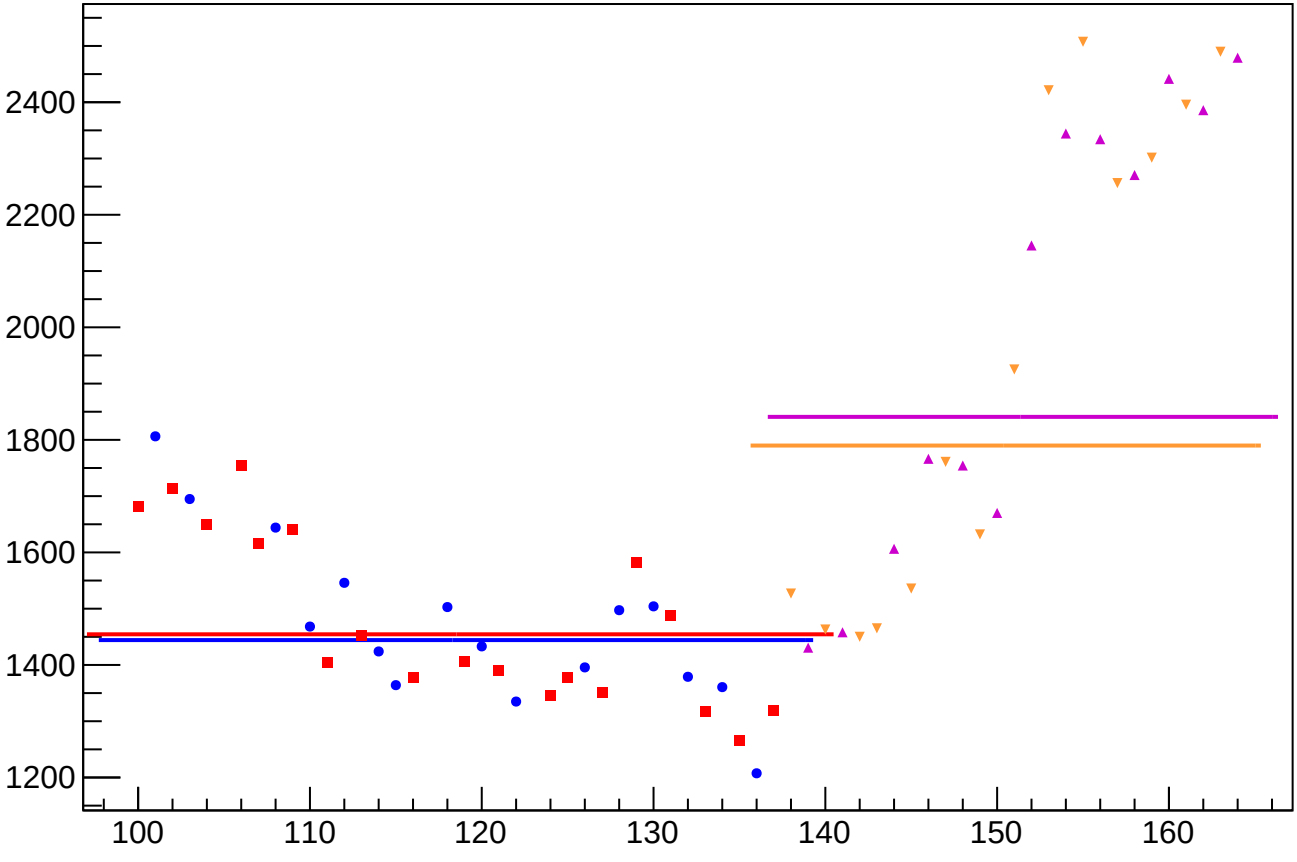
Left In: 15.528+/-0.568 χ^2/NDF:447.5/12

+ sign 7.366+/-0.385 χ^2/NDF: 957.6/29

All: 7.489+/-0.274 χ^2/NDF: 2436.7/61

- sign 7.615+/-0.389 χ^2/NDF: 1478.9/31

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1789.900+/-0.387 χ^2/NDF:967353.9/13

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

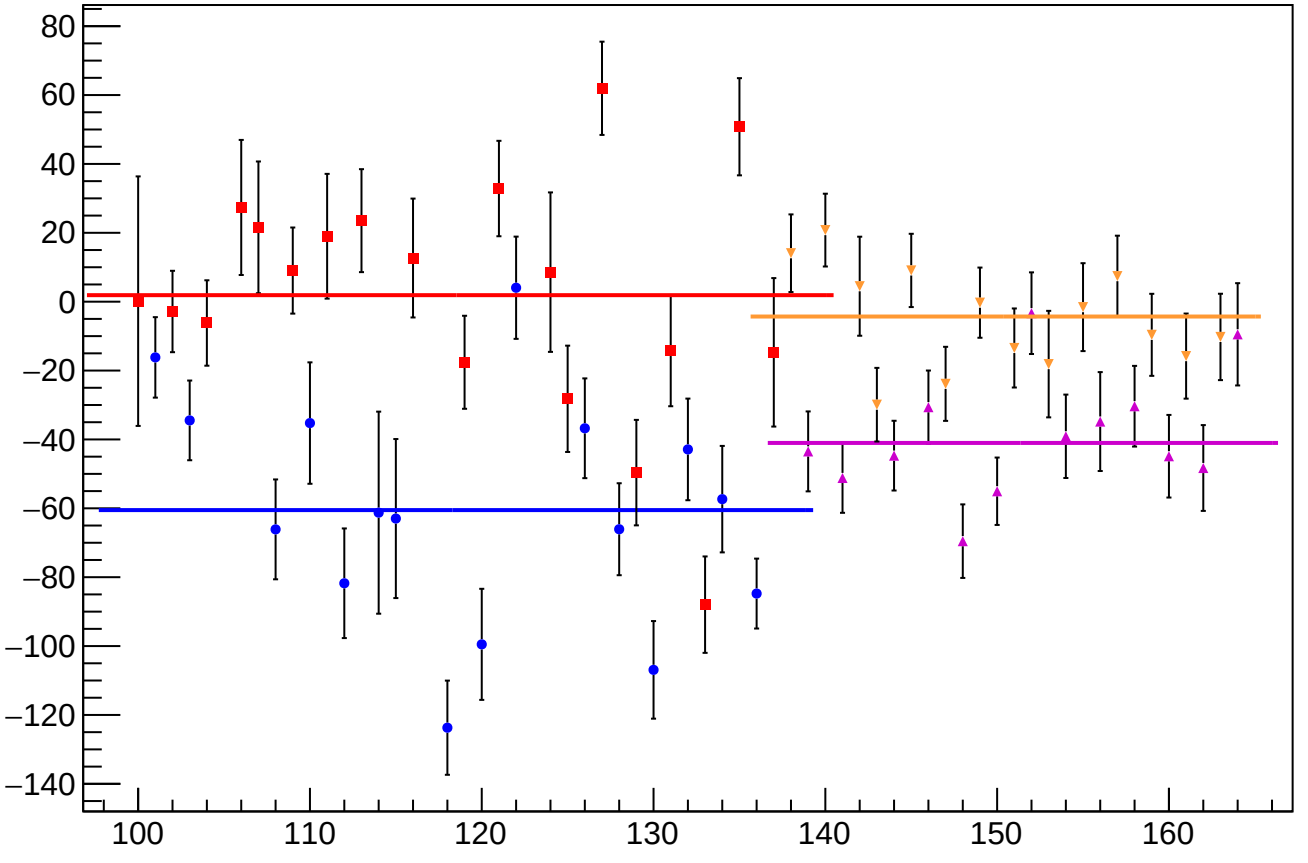
Left In: 1840.866+/-0.402 χ^2/NDF:841159.0/12

+ sign 1615.123+/-0.272 χ^2/NDF: 1550865.4/29

All: 1625.342+/-0.193 χ^2/NDF: 3028830.9/61

- sign 1635.787+/-0.275 χ^2/NDF: 1475114.2/31

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.311+/-3.121 χ^2/NDF:23.2/13

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

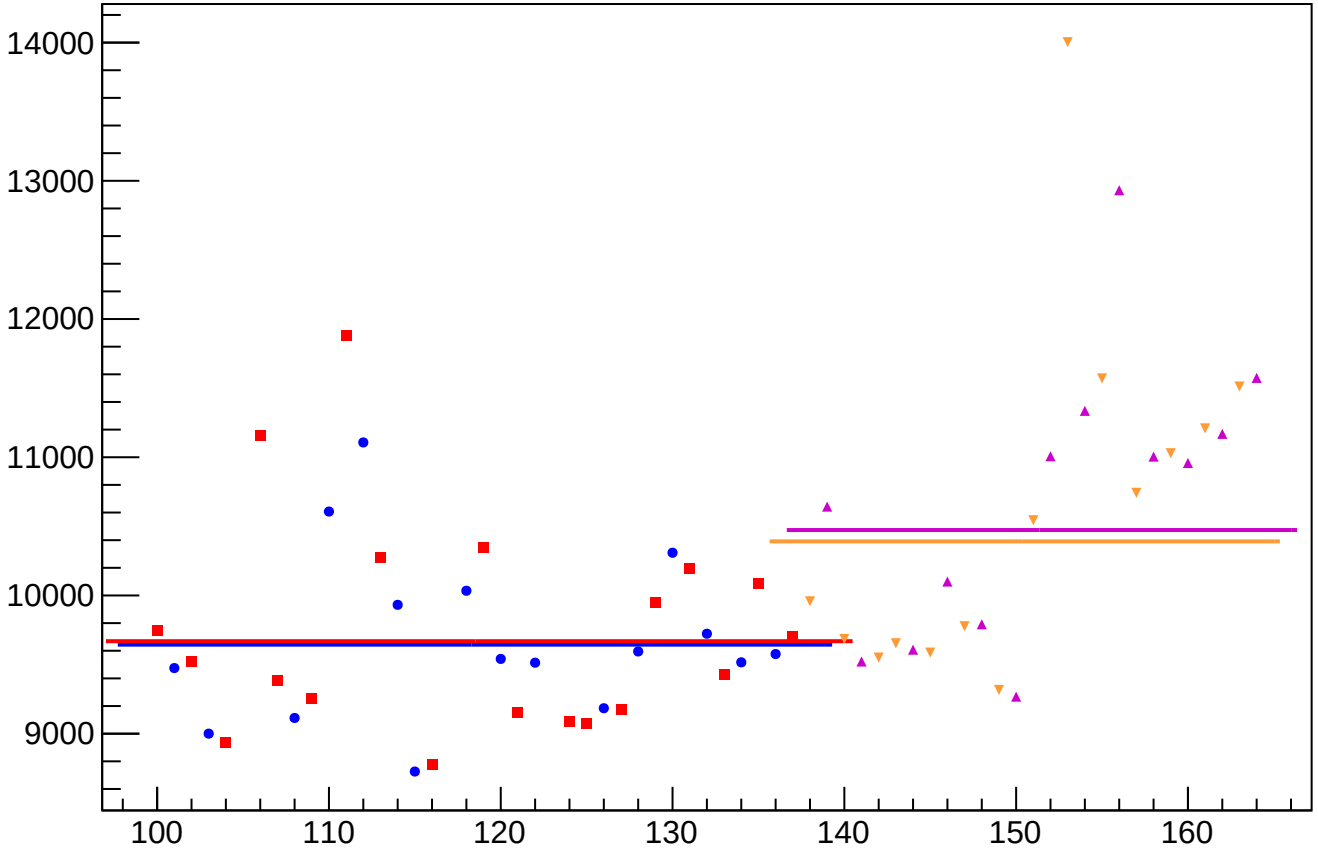
Left In: -41.015+/-3.178 χ^2/NDF:27.4/12

+ sign -28.458+/-2.357 χ^2/NDF: 252.9/29

All: -25.182+/-1.670 χ^2/NDF: 469.3/61

- 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: 10391.246+/-2.207 χ^2/NDF:227196.1/13

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

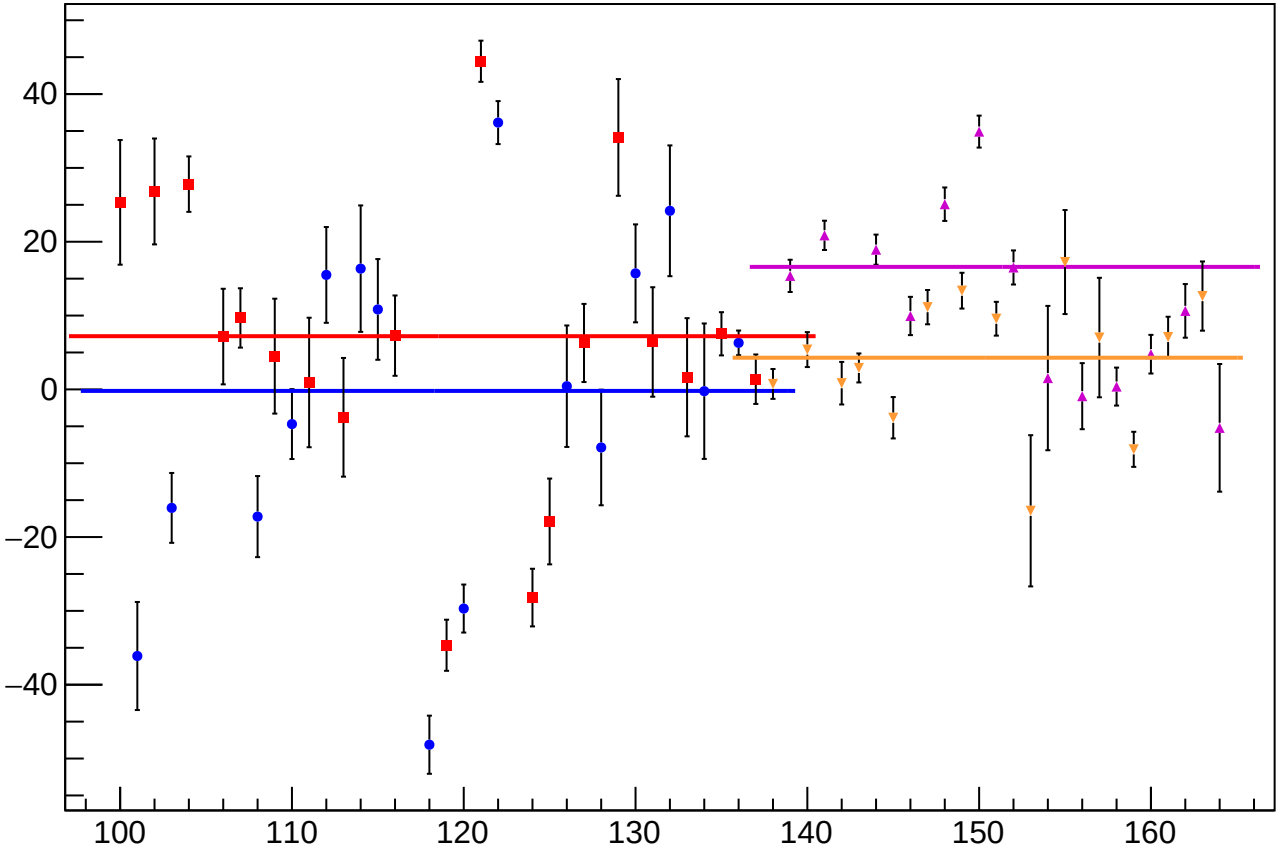
Left In: 10473.382+/-2.247 χ^2/NDF:171111.8/12

\+ sign 10070.382+/-1.667 χ^2/NDF: 320497.0/29

All: 10092.485+/-1.181 χ^2/NDF: 628945.3/61

\- 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: 4.291+/-0.730 χ^2/NDF:80.8/13

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

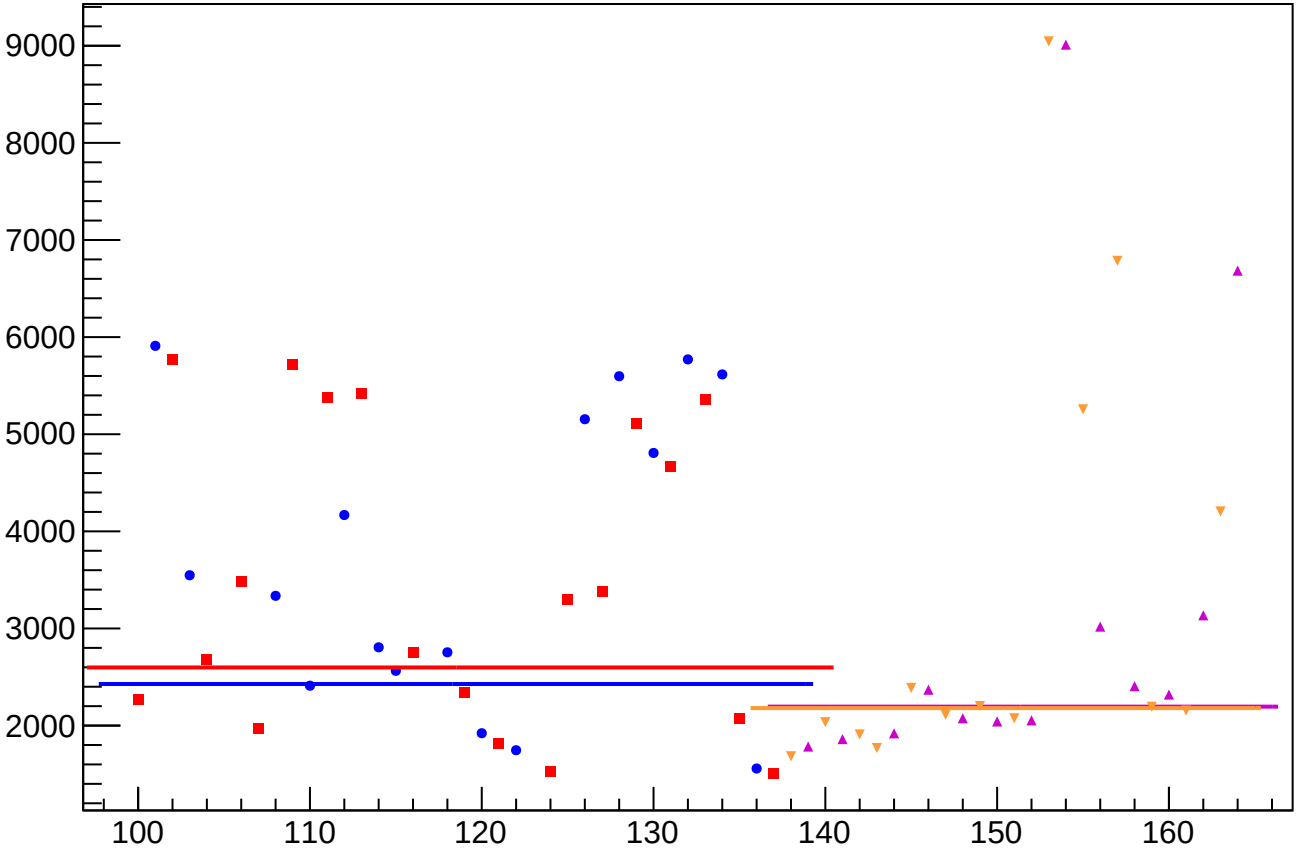
Left In: 16.594+/-0.726 χ^2/NDF:185.4/12

+ sign 2.817+/-0.599 χ^2/NDF: 566.9/29

All: 8.205+/-0.424 χ^2/NDF: 1453.4/61

- 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: 2180.058+/-0.516 χ^2/NDF:2551537.2/13

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

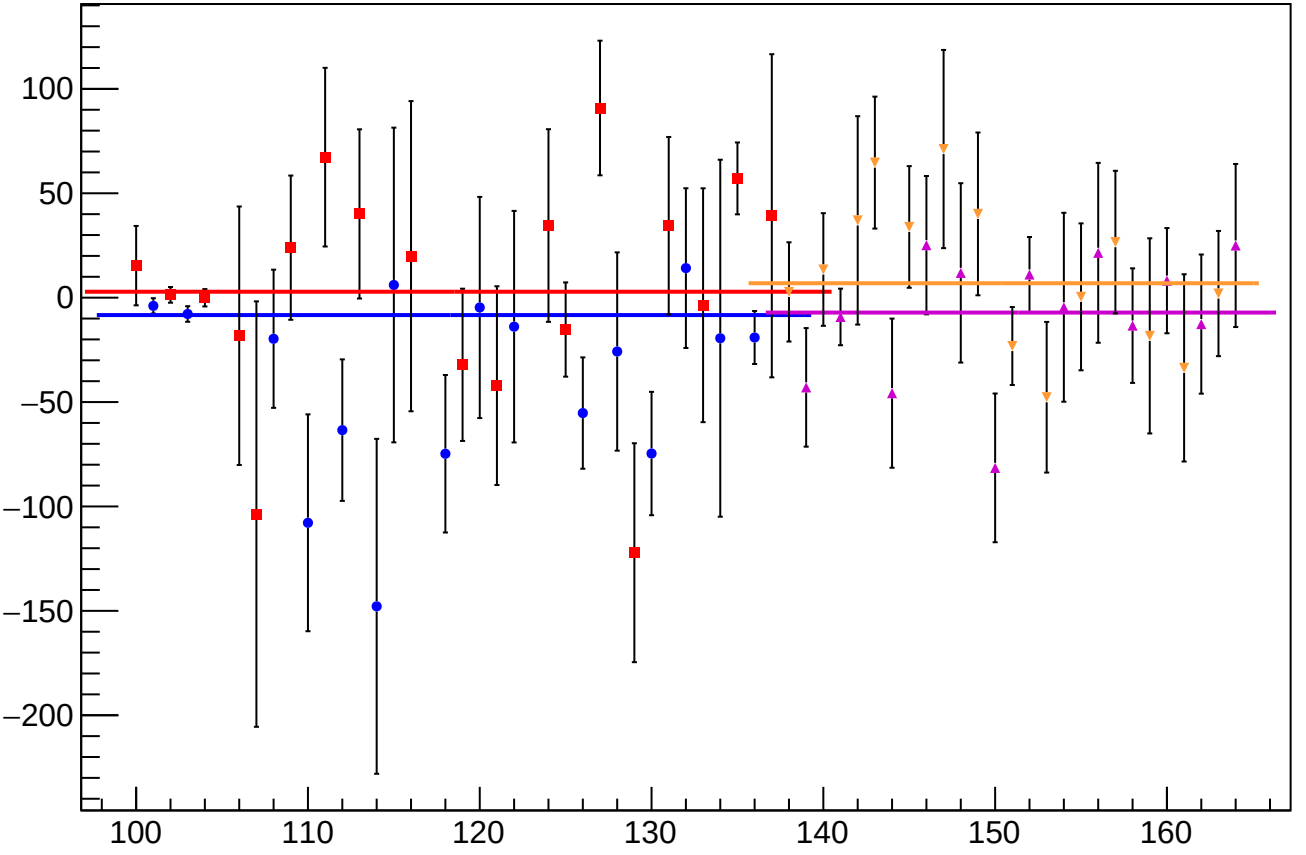
Left In: 2195.084+/-0.514 χ^2/NDF:1927227.0/12

+ sign 2261.364+/-0.423 χ^2/NDF: 5442550.5/29

All: 2291.365+/-0.300 χ^2/NDF: 10088372.5/6

- 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: 6.913+/-8.393 χ^2/NDF:13.6/13

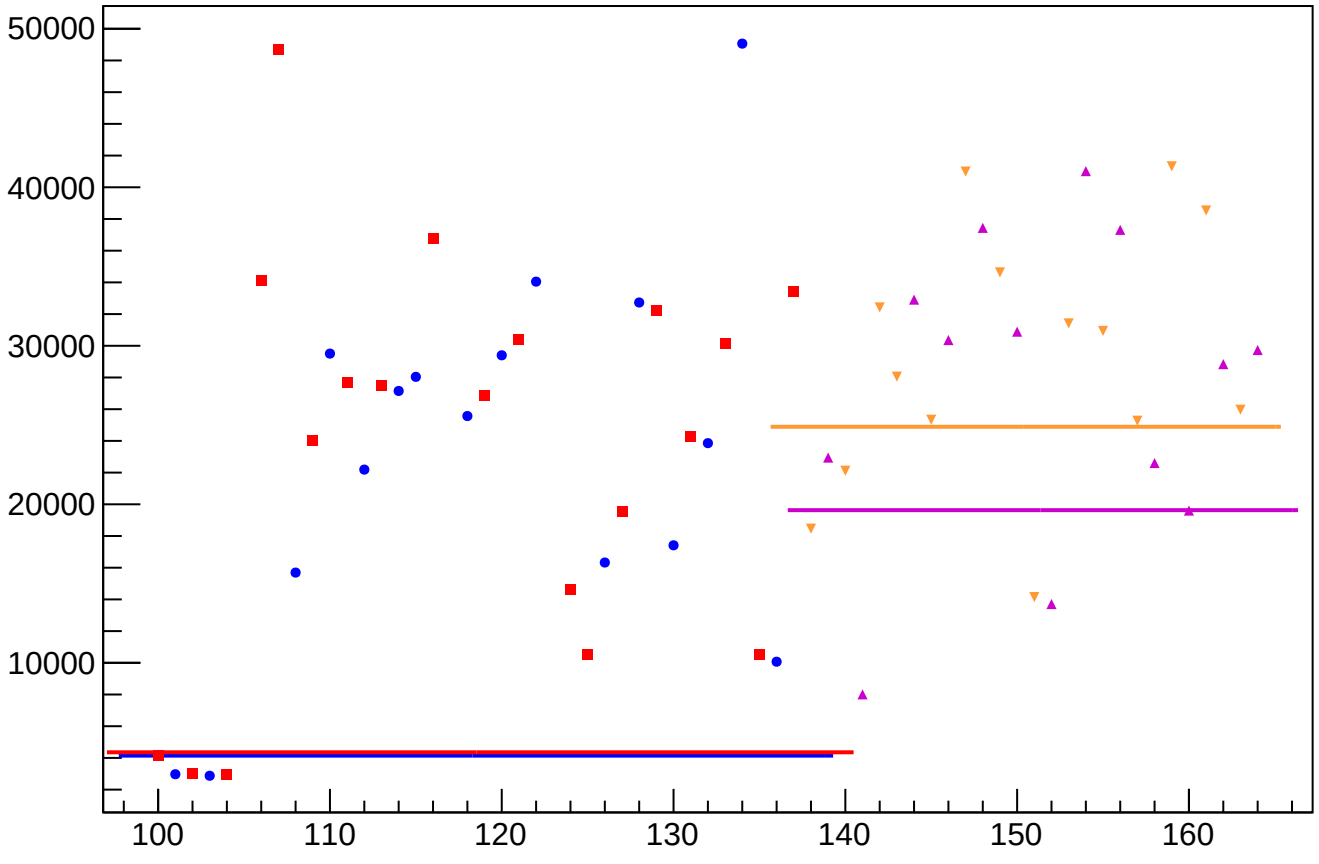
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -7.136+/-7.393 χ^2/NDF:10.9/12

+ sign -7.091+/-2.395 χ^2/NDF: 40.1/29

All: -2.849+/-1.725 χ^2/NDF: 91.7/61

- sign 1.719+/-2.486 χ^2/NDF: 45.1/31



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24890.396+/-5.935 χ^2/NDF:1810144.4/13

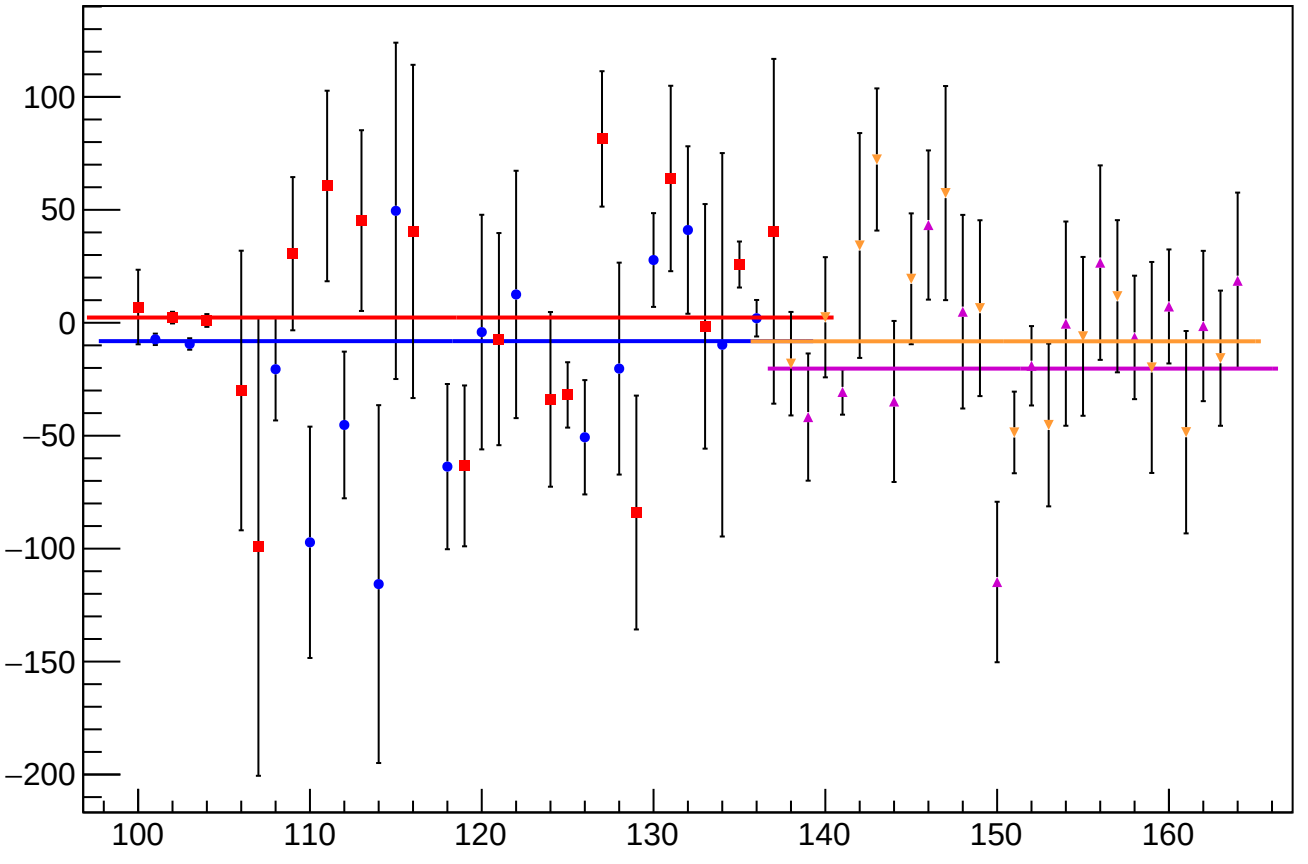
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19630.553+/-5.228 χ^2/NDF:3839628.9/12

+ sign 5835.587+/-1.694 χ^2/NDF: 19870023.0/29

All: 5954.032+/-1.220 χ^2/NDF: 38918302.8/6

- 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: -8.207+/-8.269 χ^2/NDF:17.9/13

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

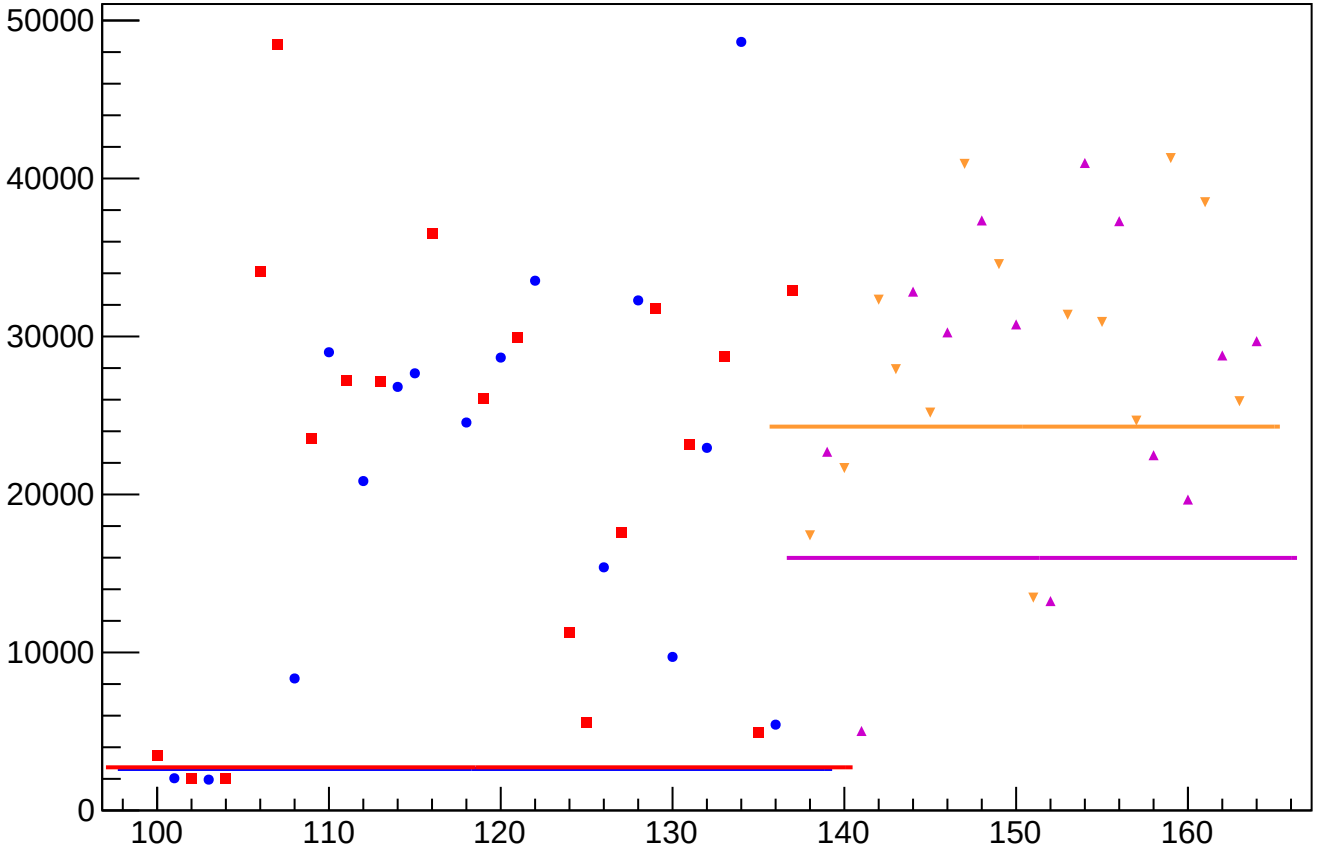
Left In: -20.293+/-6.607 χ^2/NDF:17.1/12

+ sign -8.136+/-1.684 χ^2/NDF: 37.0/29

All: -3.889+/-1.216 χ^2/NDF: 111.3/61

- 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: 24294.579+/-5.847 χ^2/NDF:2003931.2/13

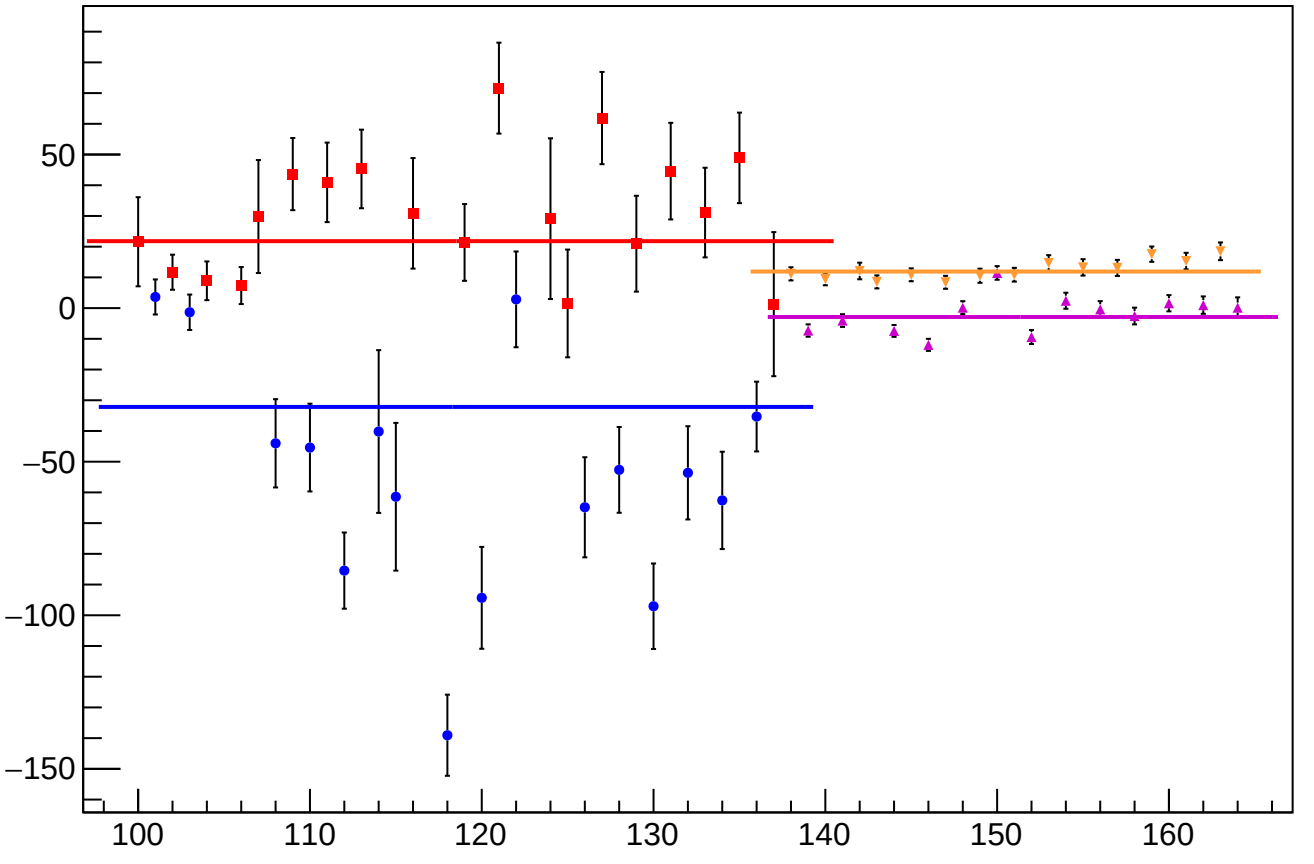
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15984.415+/-4.672 χ^2/NDF:5996499.4/12

+ sign 3525.366+/-1.191 χ^2/NDF: 21946964.5/29

All: 3593.075+/-0.860 χ^2/NDF: 43416684.8/6

- sign 3666.679+/-1.242 χ^2/NDF: 21462975.1/31



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.902+/-0.631 χ^2/NDF:21.3/13

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

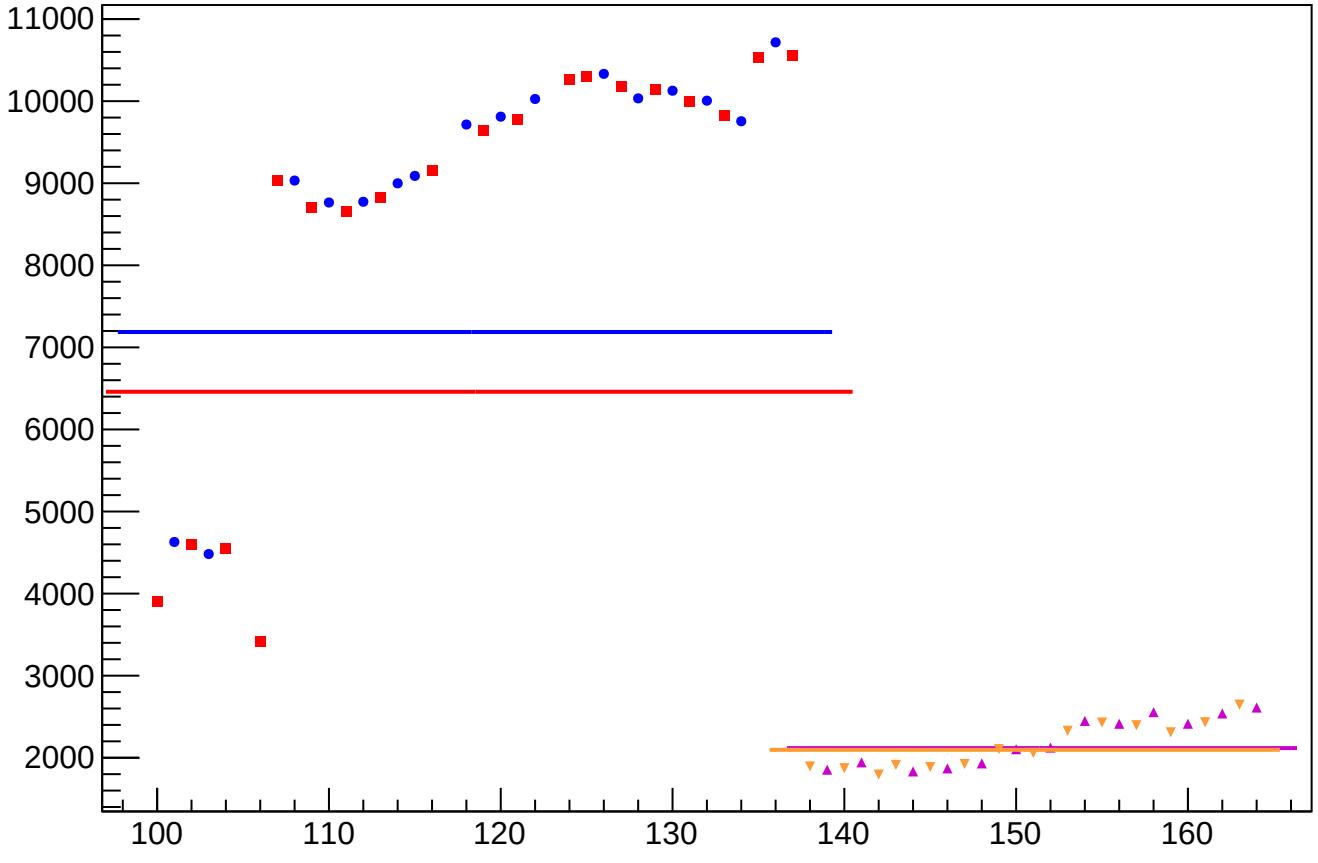
Left In: -2.891+/-0.645 χ^2/NDF:94.2/12

+ sign 9.833+/-0.616 χ^2/NDF: 458.3/29

All: 4.300+/-0.439 χ^2/NDF: 853.4/61

- 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: 2096.428+/-0.446 χ^2/NDF:308331.9/13

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

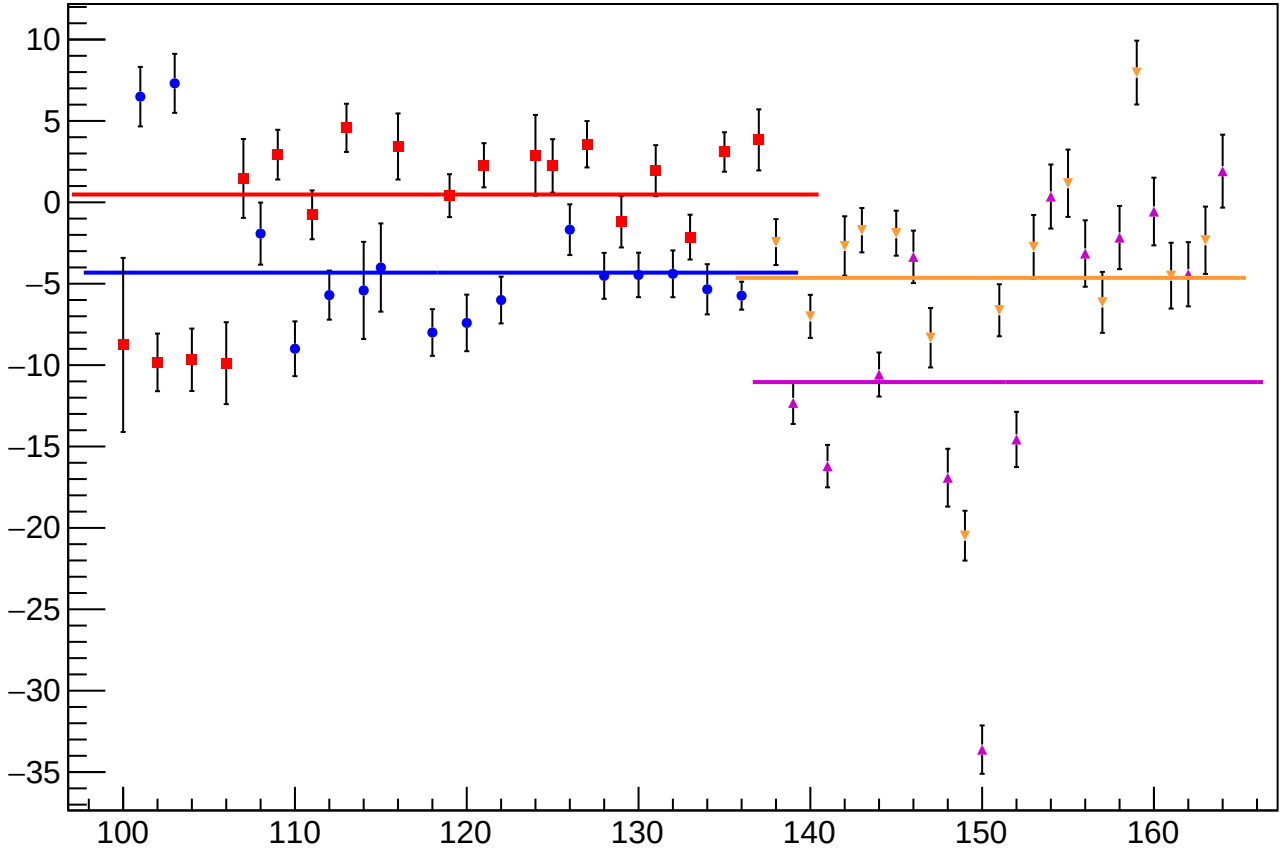
Left In: 2117.602+/-0.456 χ^2/NDF:360232.4/12

+ sign 2335.434+/-0.435 χ^2/NDF: 8131811.2/29

All: 2356.110+/-0.310 χ^2/NDF: 16192699.5/6

- 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: -4.641+/-0.444 χ^2/NDF:180.0/13

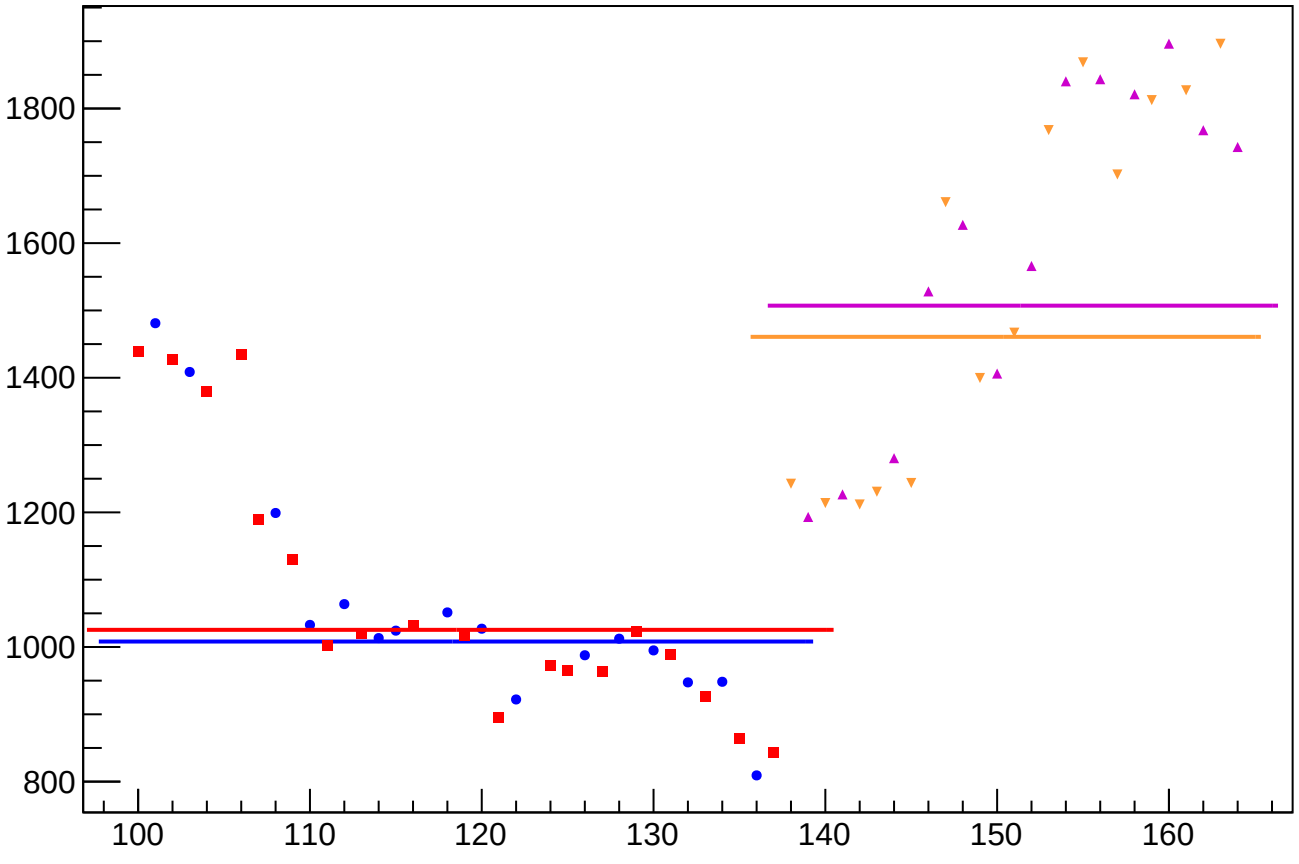
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -11.042+/-0.462 χ^2/NDF:425.3/12

+ sign -4.455+/-0.289 χ^2/NDF: 284.0/29

All: -4.303+/-0.206 χ^2/NDF: 1199.0/61

- sign -4.147+/-0.293 χ^2/NDF: 914.4/31



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1460.783+/-0.314 χ^2/NDF:667106.3/13

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

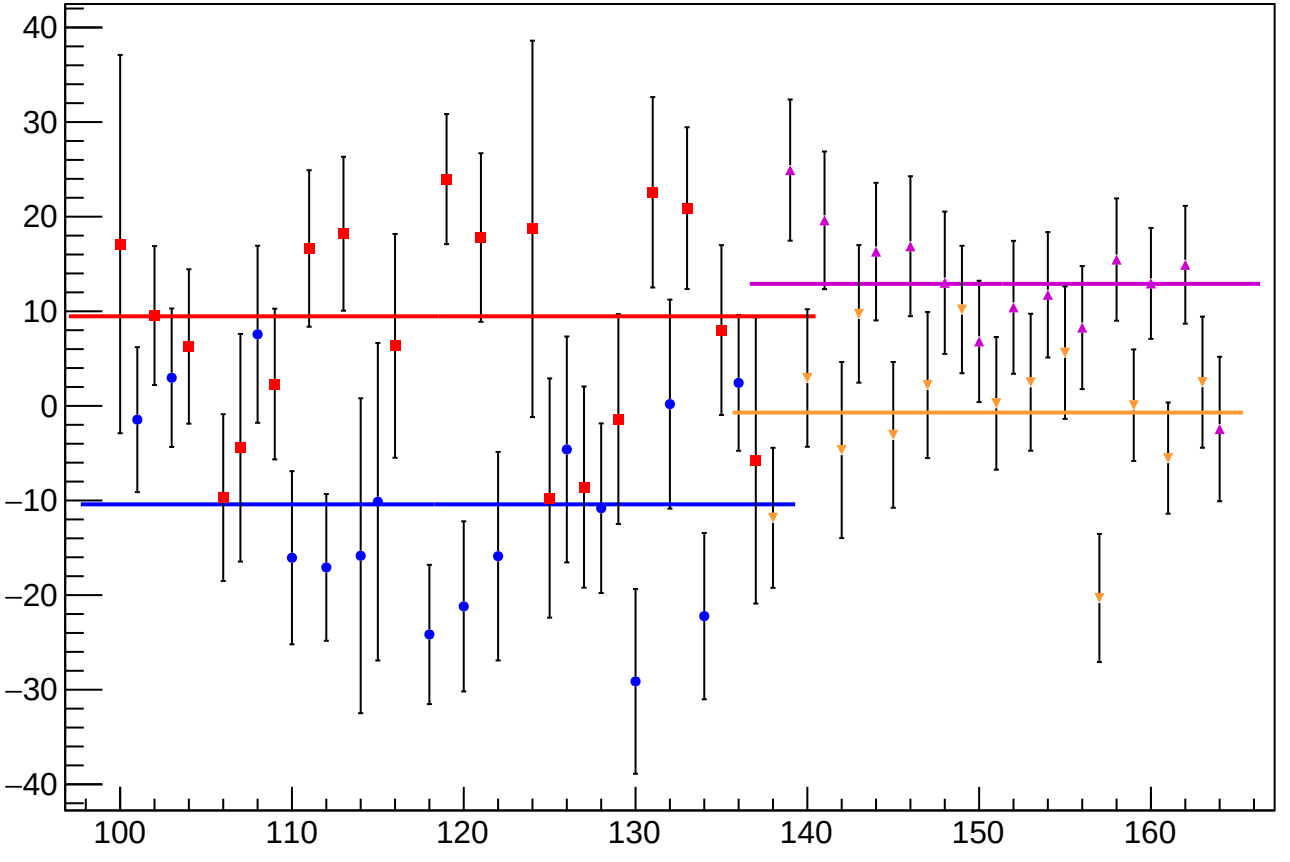
Left In: 1507.112+/-0.327 χ^2/NDF:577725.1/12

+ sign 1199.359+/-0.204 χ^2/NDF: 2246592.5/29

All: 1208.991+/-0.145 χ^2/NDF: 4474301.7/61

- 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: -0.705+/-1.878 χ^2/NDF:17.9/13

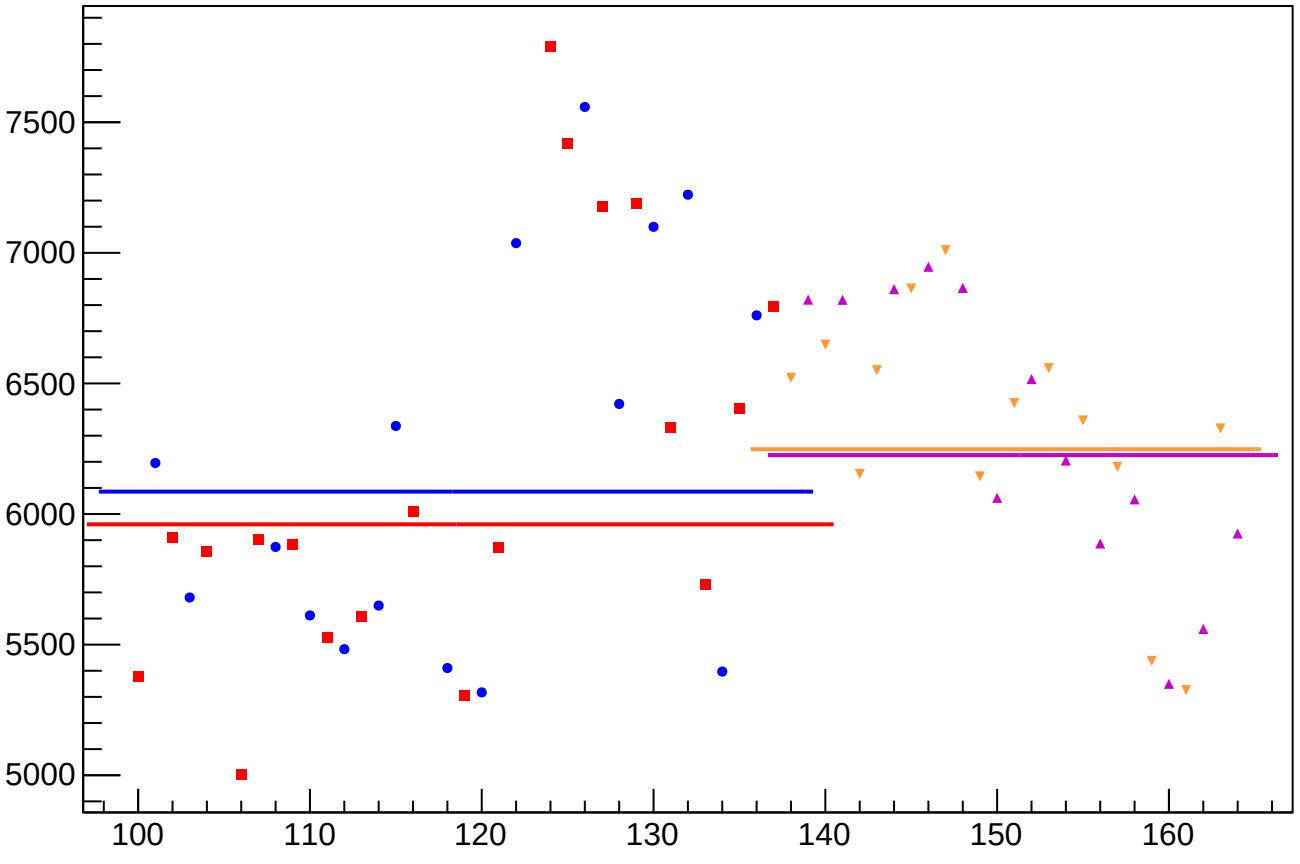
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 12.900+/-1.894 χ^2/NDF:9.8/12

+ sign -4.627+/-1.450 χ^2/NDF: 53.3/29

All: 3.496+/-1.019 χ^2/NDF: 152.0/61

- 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: 6248.276+/-1.328 χ^2/NDF:138020.8/13

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

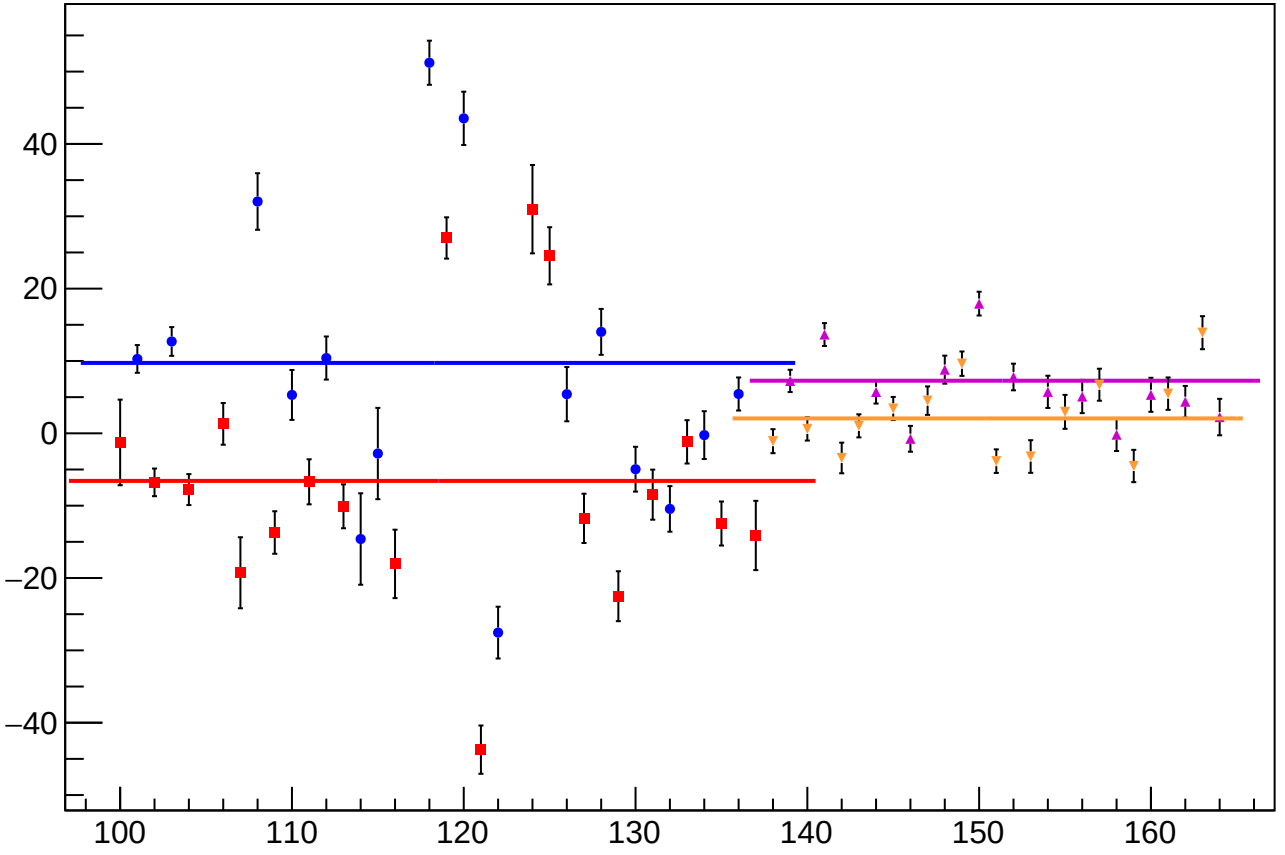
Left In: 6225.823+/-1.340 χ^2/NDF:156913.3/12

+ sign 6182.614+/-1.025 χ^2/NDF: 323184.1/29

All: 6147.080+/-0.721 χ^2/NDF: 662014.2/61

- 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: 2.062+/-0.505 χ^2/NDF:95.0/13

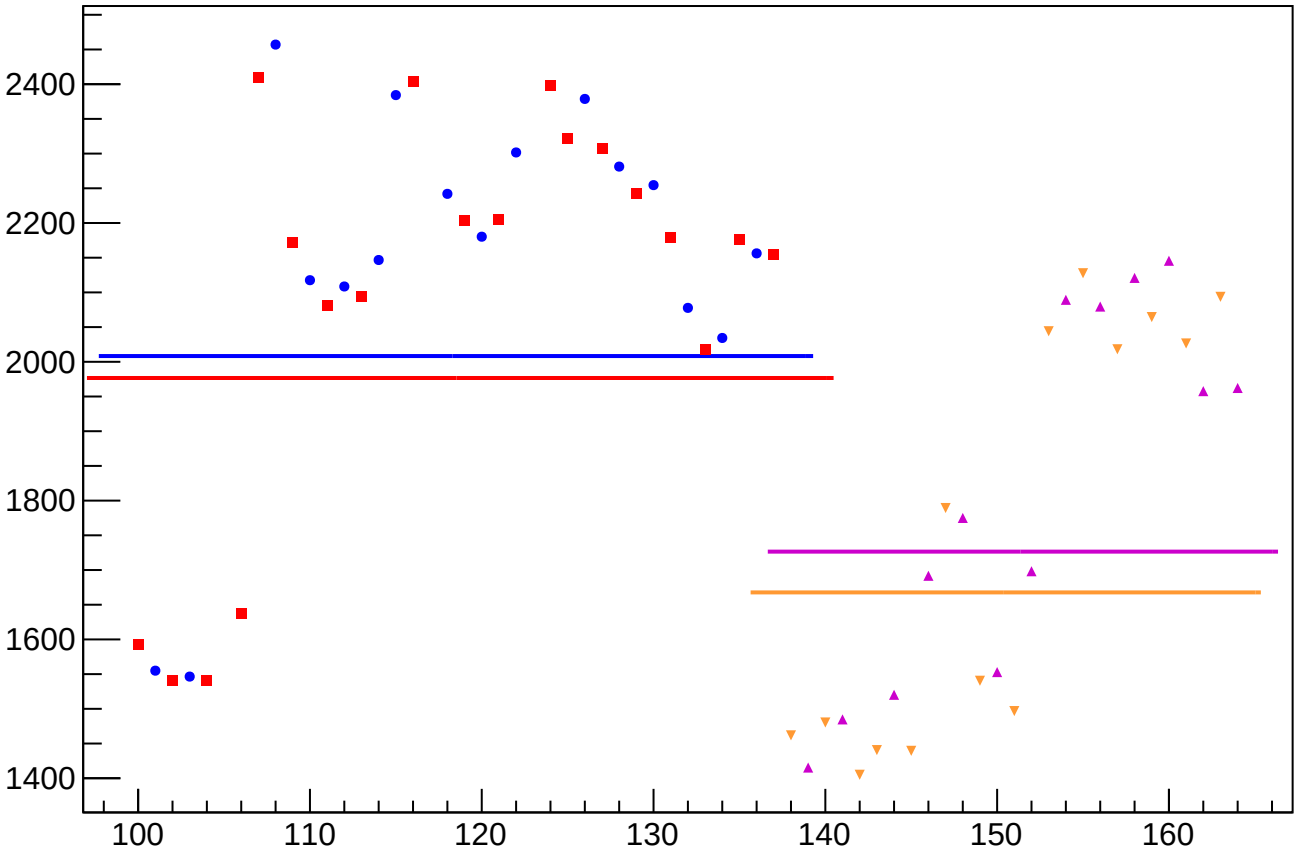
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.272+/-0.528 χ^2/NDF:99.0/12

+ sign 4.436+/-0.420 χ^2/NDF: 678.7/29

All: 3.496+/-0.300 χ^2/NDF: 1447.8/61

- 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: 1667.740+/-0.357 χ^2/NDF:577663.7/13

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

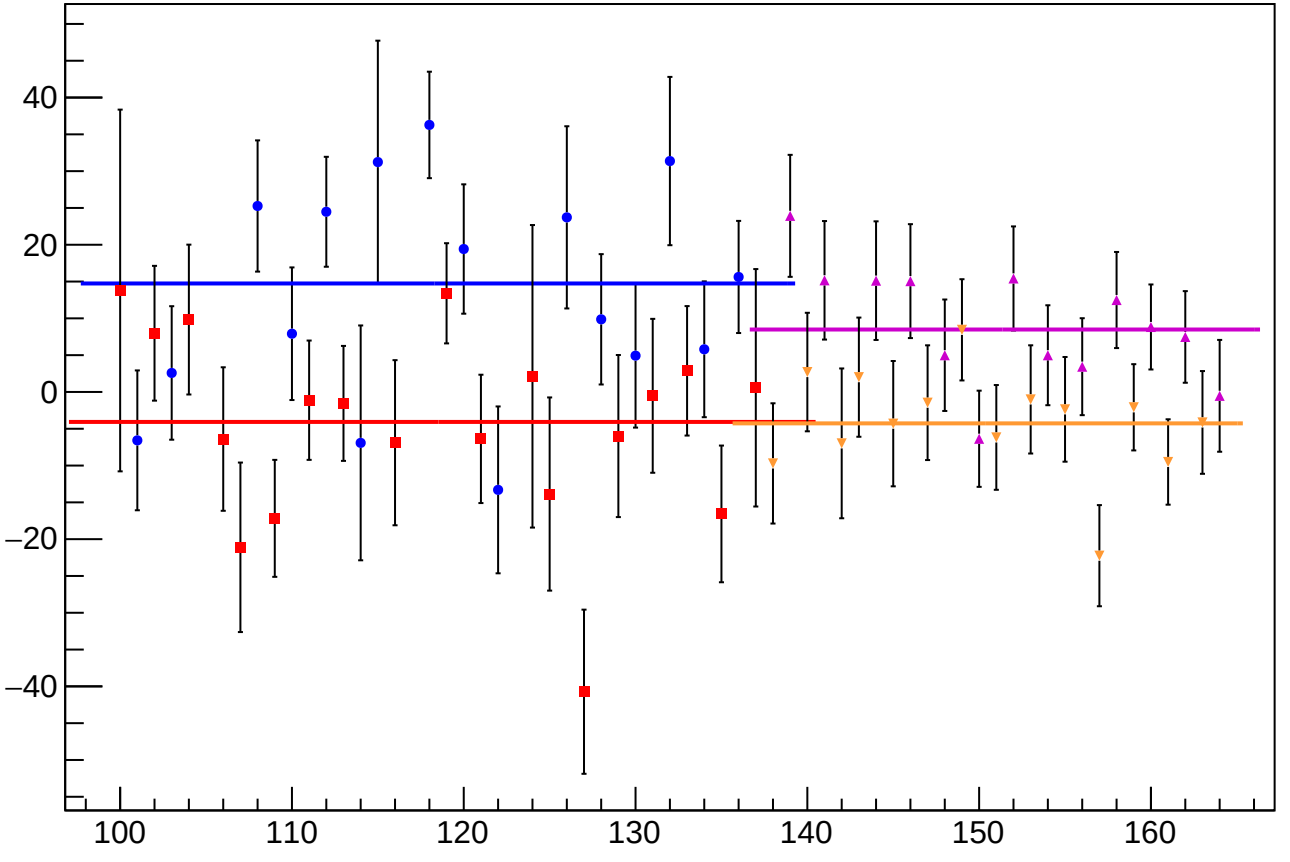
Left In: 1726.497+/-0.373 χ^2/NDF:450829.3/12

+ sign 1773.131+/-0.297 χ^2/NDF: 1203101.2/29

All: 1792.372+/-0.212 χ^2/NDF: 2182024.7/61

- 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: -4.268+/-1.941 χ^2/NDF:13.6/13

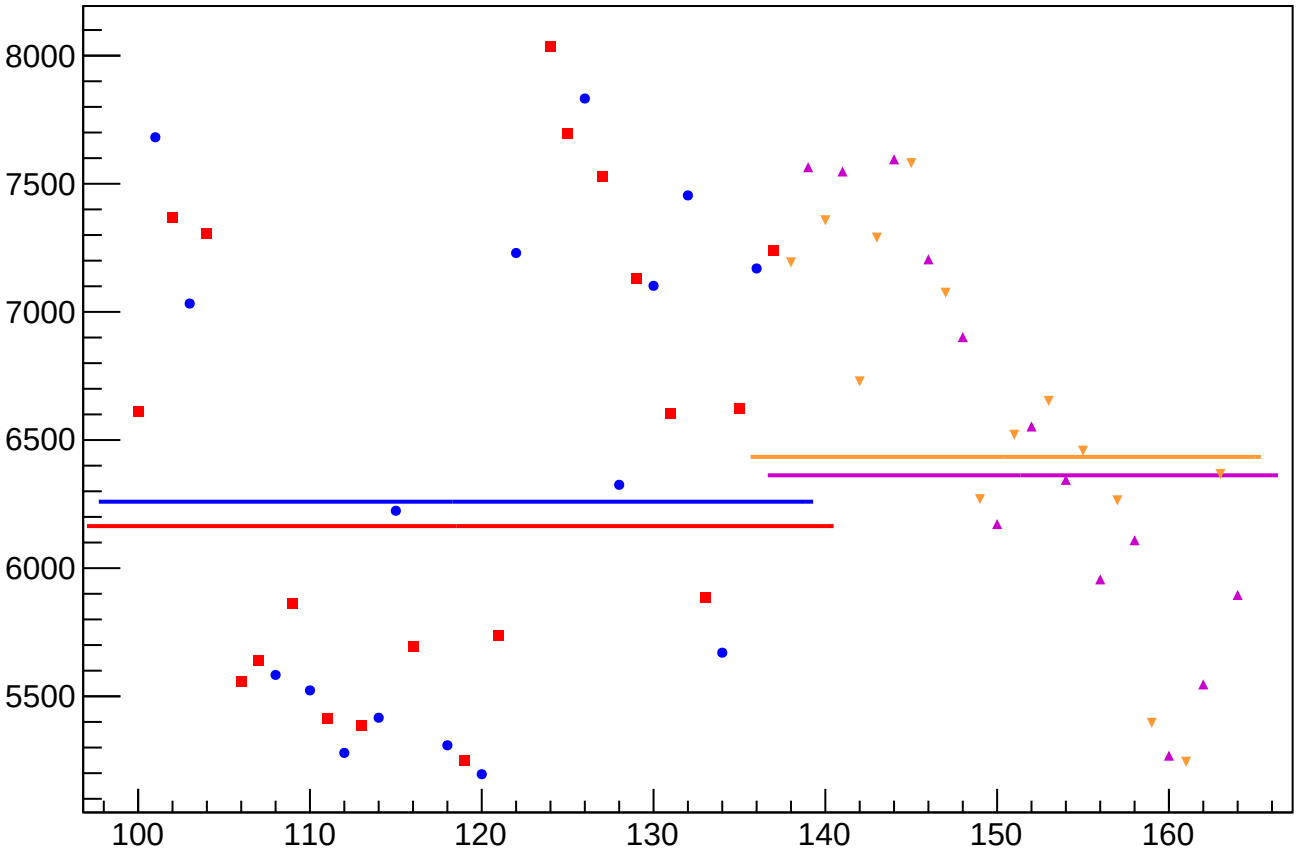
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.484+/-1.945 χ^2/NDF:14.6/12

+ sign 3.413+/-1.499 χ^2/NDF: 85.8/29

All: 3.294+/-1.052 χ^2/NDF: 148.2/61

- sign 3.178+/-1.478 χ^2/NDF: 62.3/31



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6434.391+/-1.373 χ^2/NDF:268820.6/13

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

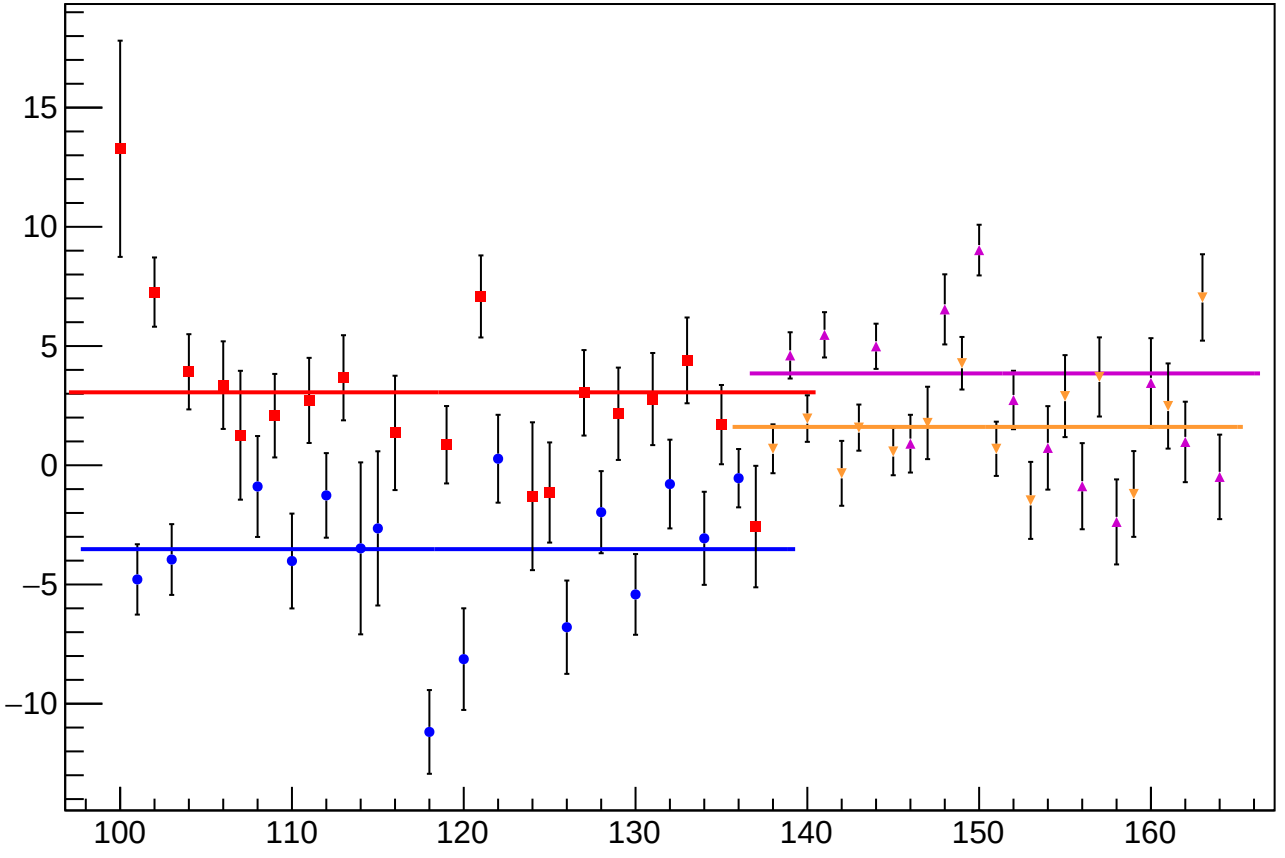
Left In: 6362.368+/-1.375 χ^2/NDF:293627.2/12

+ sign 6363.683+/-1.060 χ^2/NDF: 583991.9/29

All: 6320.551+/-0.744 χ^2/NDF: 1154722.4/61

- 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: 1.609+/-0.340 χ^2/NDF:28.0/13

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

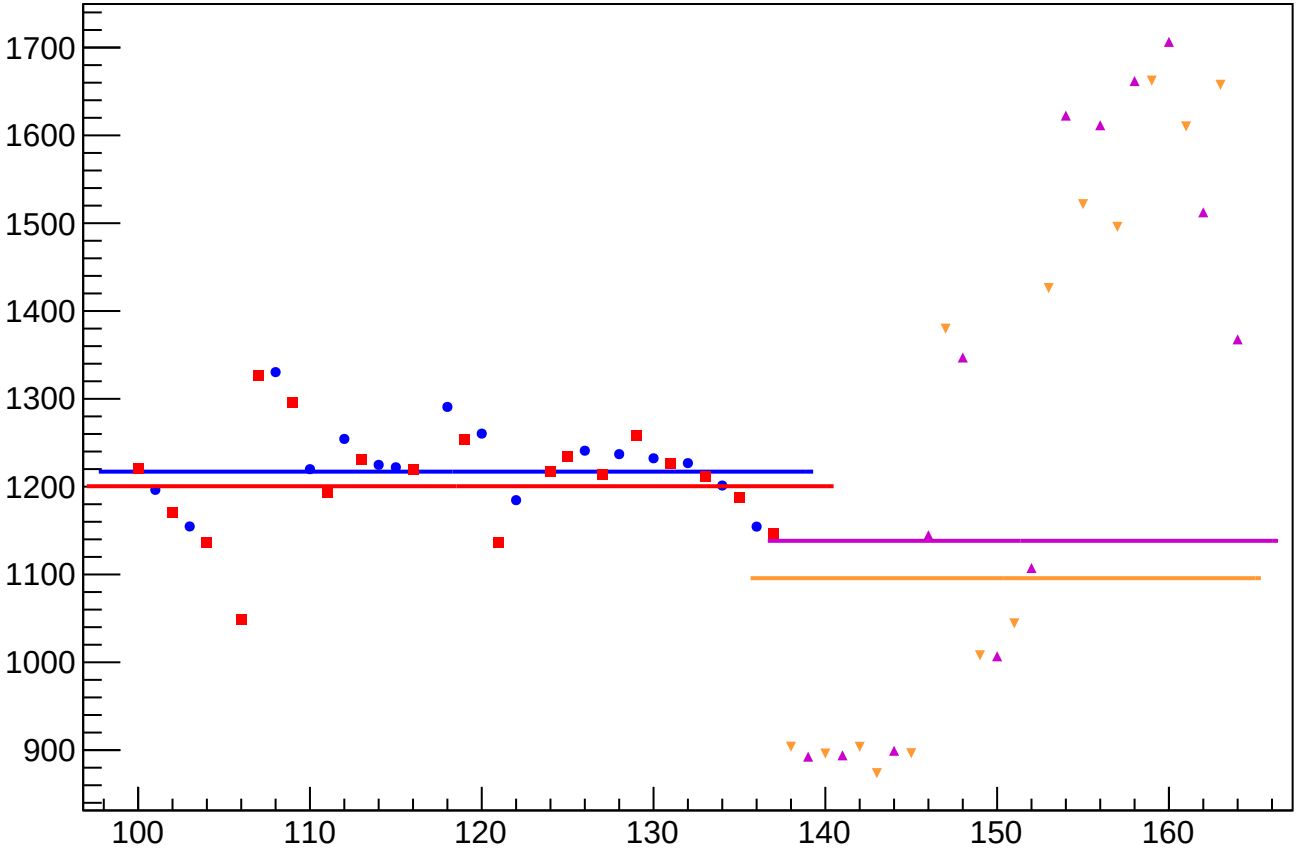
Left In: 3.852+/-0.356 χ^2/NDF:69.9/12

+ sign -0.240+/-0.272 χ^2/NDF: 155.2/29

All: 1.615+/-0.194 χ^2/NDF: 356.8/61

- 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: 1095.794+/-0.240 χ^2/NDF:1345248.2/13

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

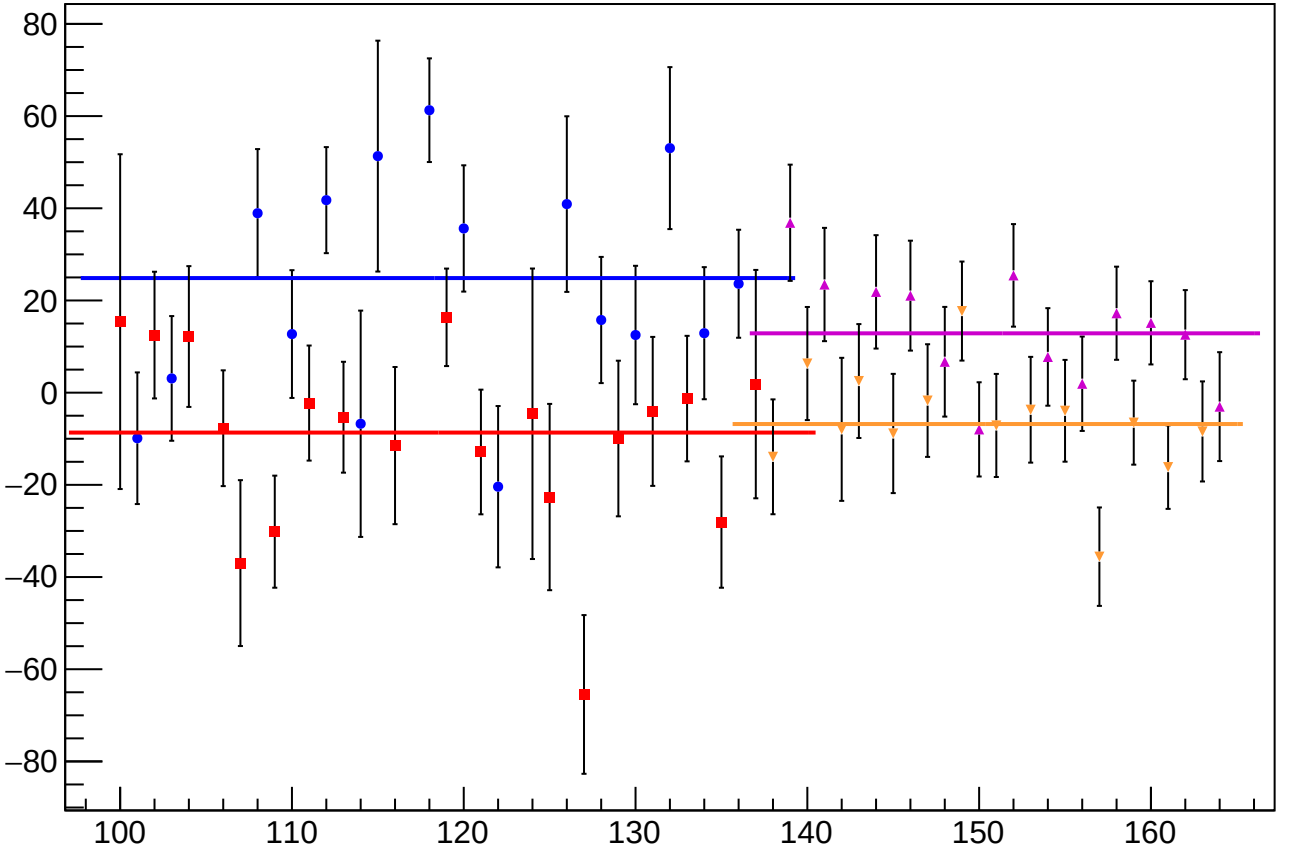
Left In: 1138.327+/-0.252 χ^2/NDF:1237624.4/12

+ sign 1139.542+/-0.192 χ^2/NDF: 1458856.5/29

All: 1151.095+/-0.137 χ^2/NDF: 2765723.4/61

- 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: -6.805+/-3.009 χ^2/NDF:15.9/13

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

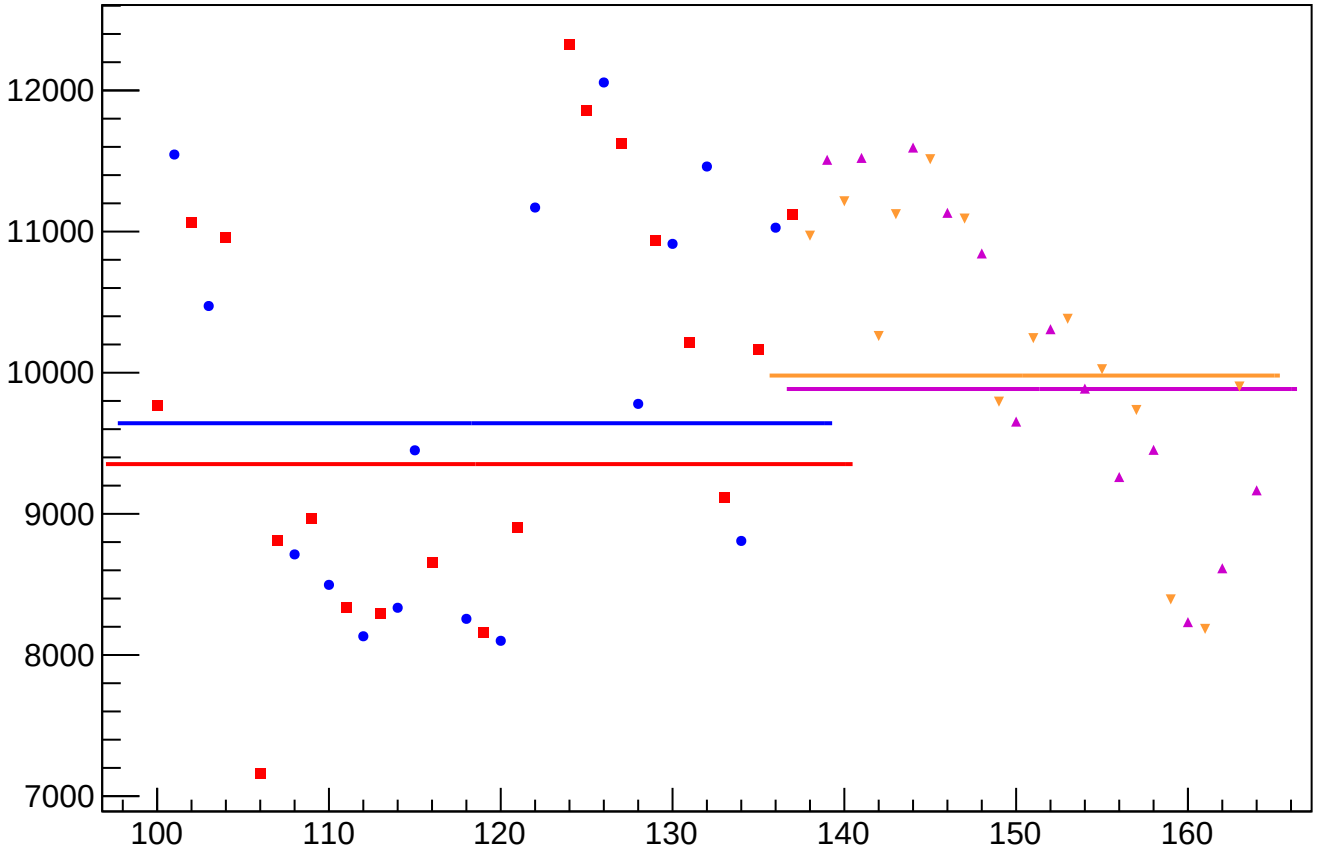
Left In: 12.872+/-3.020 χ^2/NDF:14.5/12

+ sign 6.102+/-2.316 χ^2/NDF: 99.2/29

All: 4.799+/-1.622 χ^2/NDF: 166.5/61

- sign 3.544+/-2.273 χ^2/NDF: 66.7/31

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9979.886+/-2.128 χ^2/NDF:239807.8/13

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

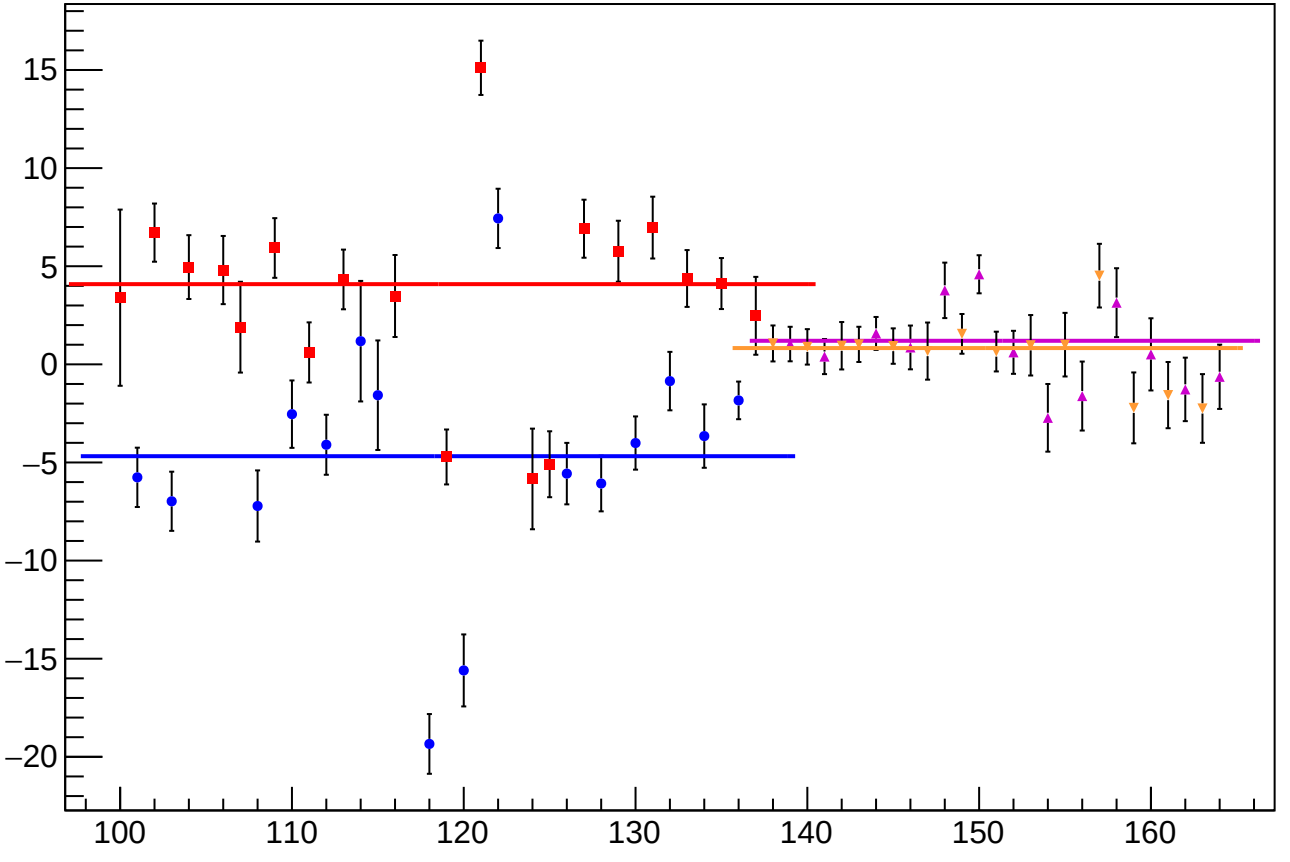
Left In: 9884.583+/-2.135 χ^2/NDF:266158.7/12

+ sign 9842.189+/-1.638 χ^2/NDF: 529737.3/29

All: 9746.366+/-1.147 χ^2/NDF: 1131299.5/61

- sign 9654.069+/-1.607 χ^2/NDF: 594842.3/31

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.830+/-0.314 χ^2/NDF:13.8/13

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

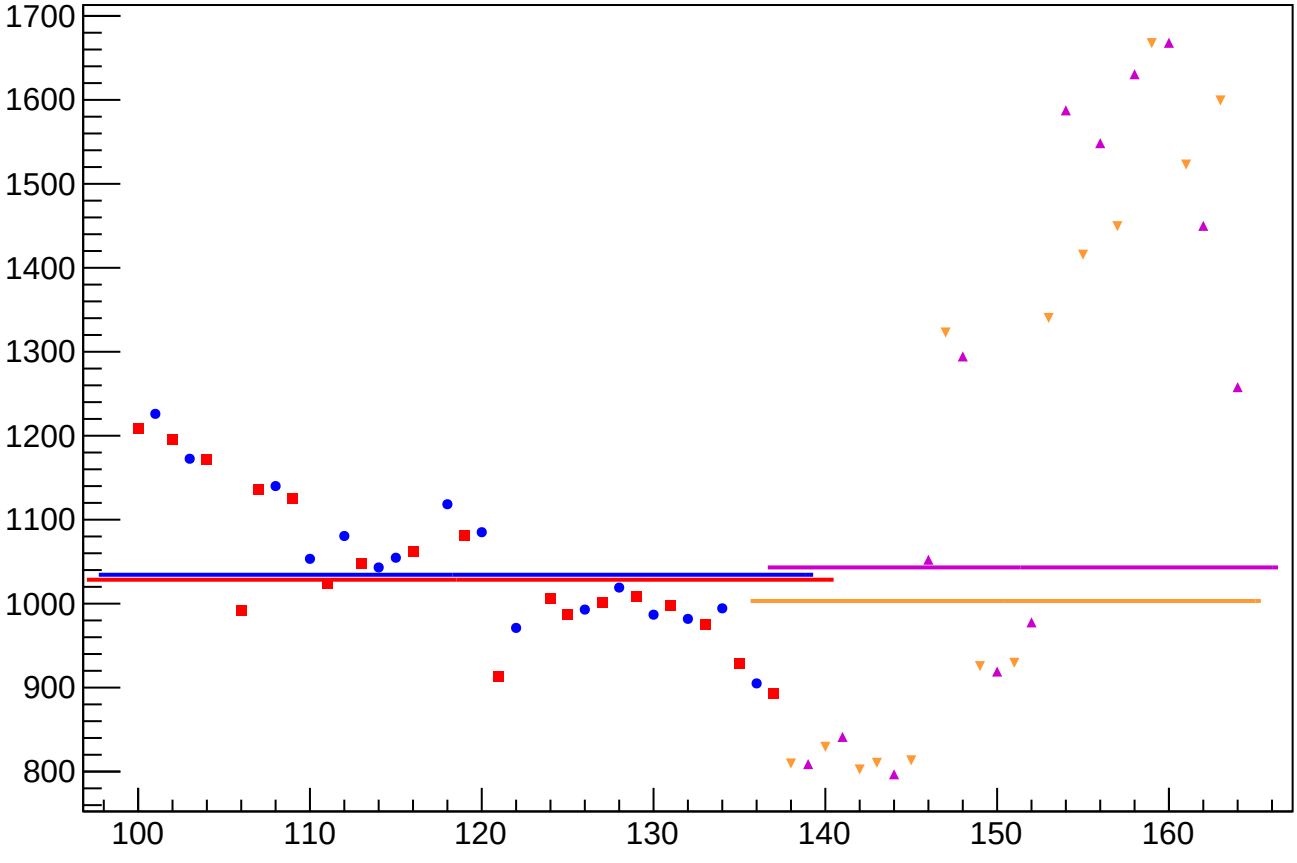
Left In: 1.200+/-0.330 χ^2/NDF:29.6/12

+ sign -1.364+/-0.243 χ^2/NDF: 357.8/29

All: 0.509+/-0.174 χ^2/NDF: 709.5/61

- 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: 1003.178+/-0.222 χ^2/NDF:1587021.3/13

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

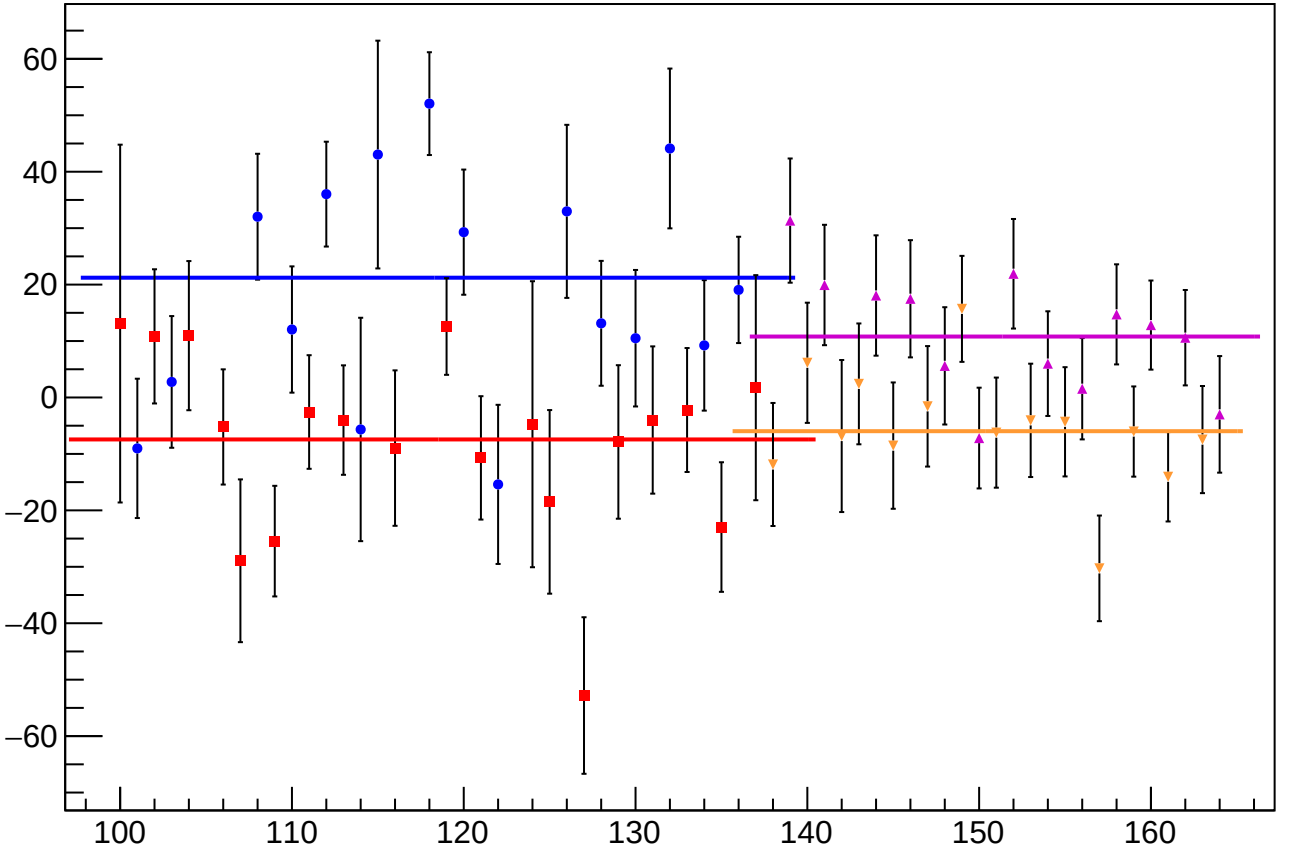
Left In: 1043.124+/-0.233 χ^2/NDF:1499647.4/12

+ sign 1015.609+/-0.172 χ^2/NDF: 1708185.9/29

All: 1025.992+/-0.123 χ^2/NDF: 3318583.5/61

- 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: -5.973+/-2.628 χ^2/NDF:15.6/13

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

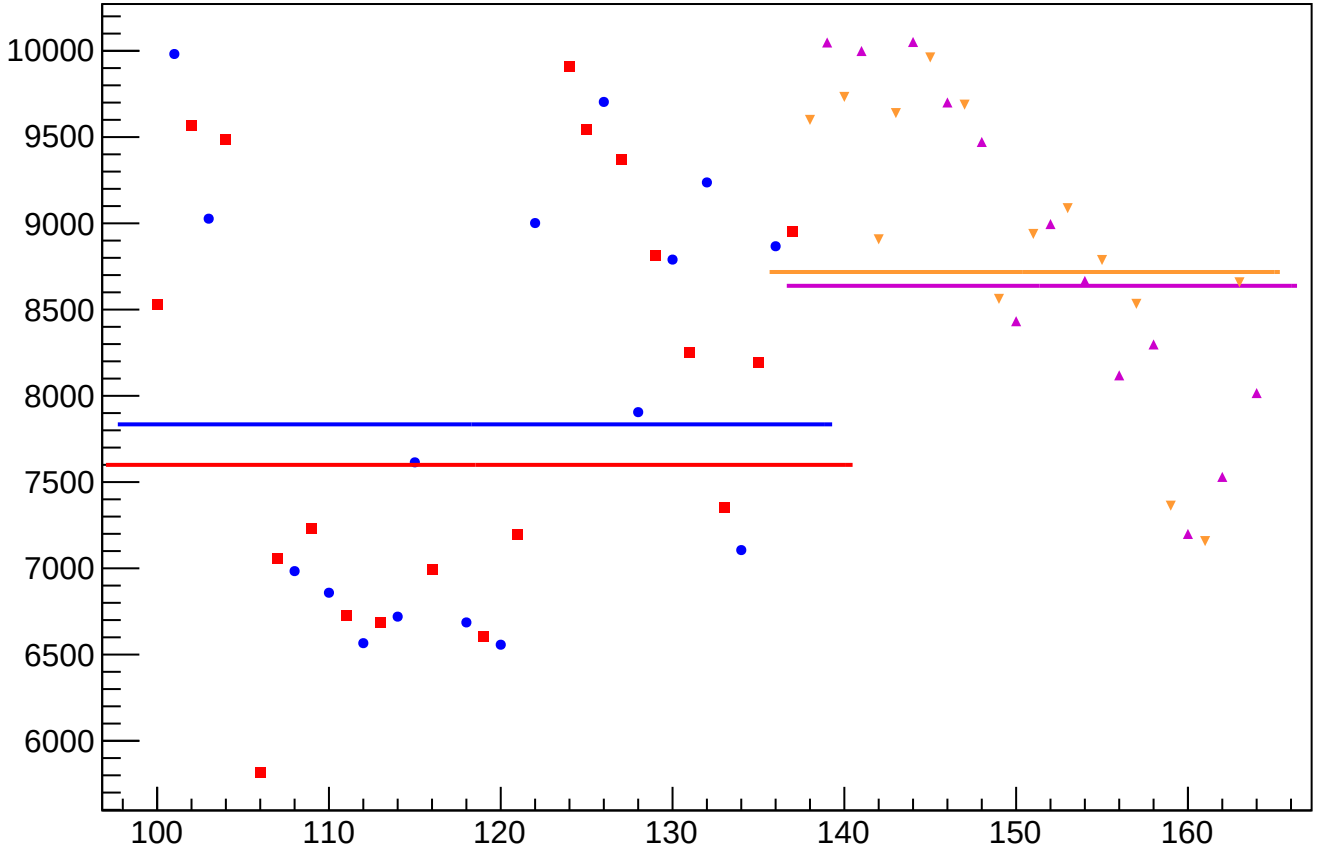
Left In: 10.797+/-2.638 χ^2/NDF:14.1/12

+ sign 6.052+/-1.963 χ^2/NDF: 103.1/29

All: 4.116+/-1.374 χ^2/NDF: 171.2/61

- sign 2.258+/-1.923 χ^2/NDF: 66.3/31

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8717.908+/-1.858 χ^2/NDF:227982.2/13

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

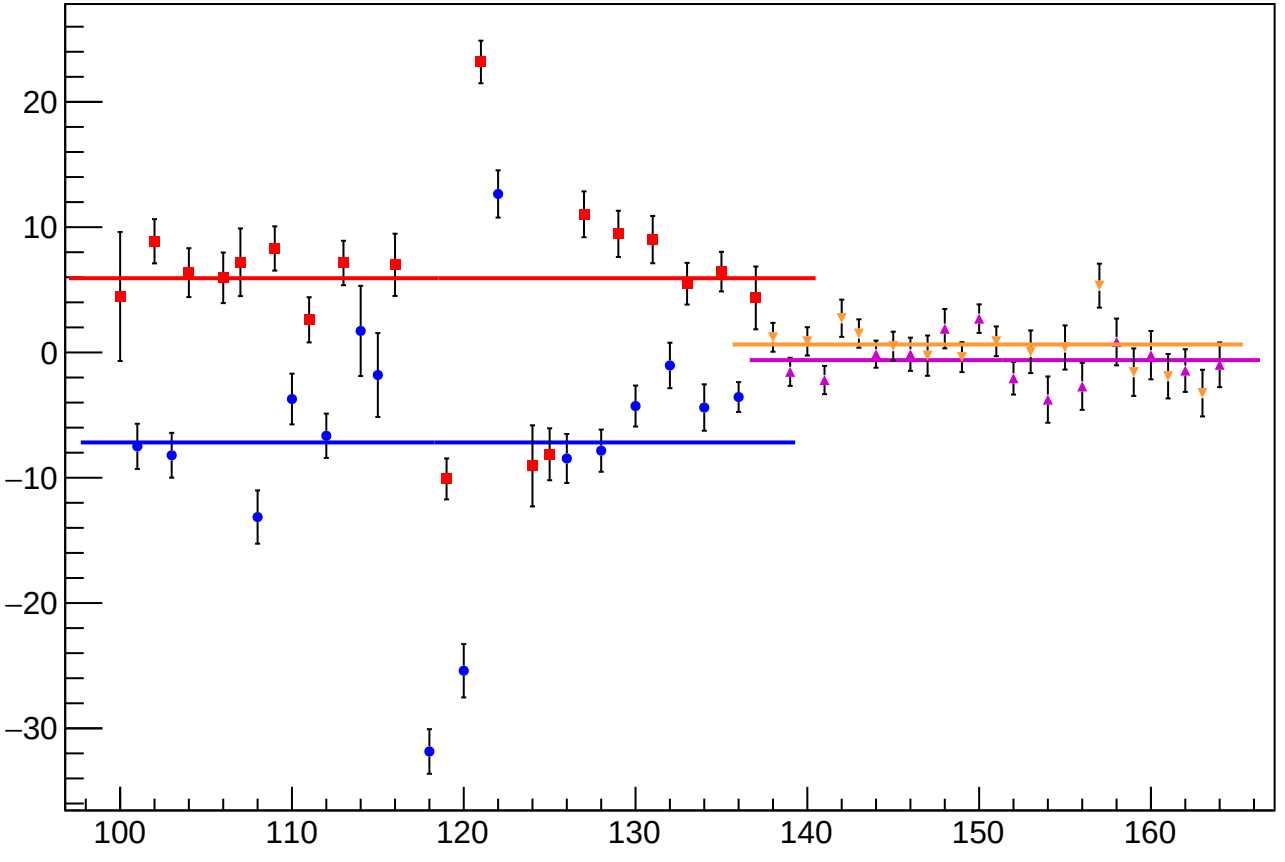
Left In: 8637.826+/-1.865 χ^2/NDF:255900.1/12

+ sign 8327.336+/-1.388 χ^2/NDF: 645970.3/29

All: 8237.695+/-0.971 χ^2/NDF: 1399420.5/61

- 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: 0.636+/-0.373 χ^2/NDF:19.0/13

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

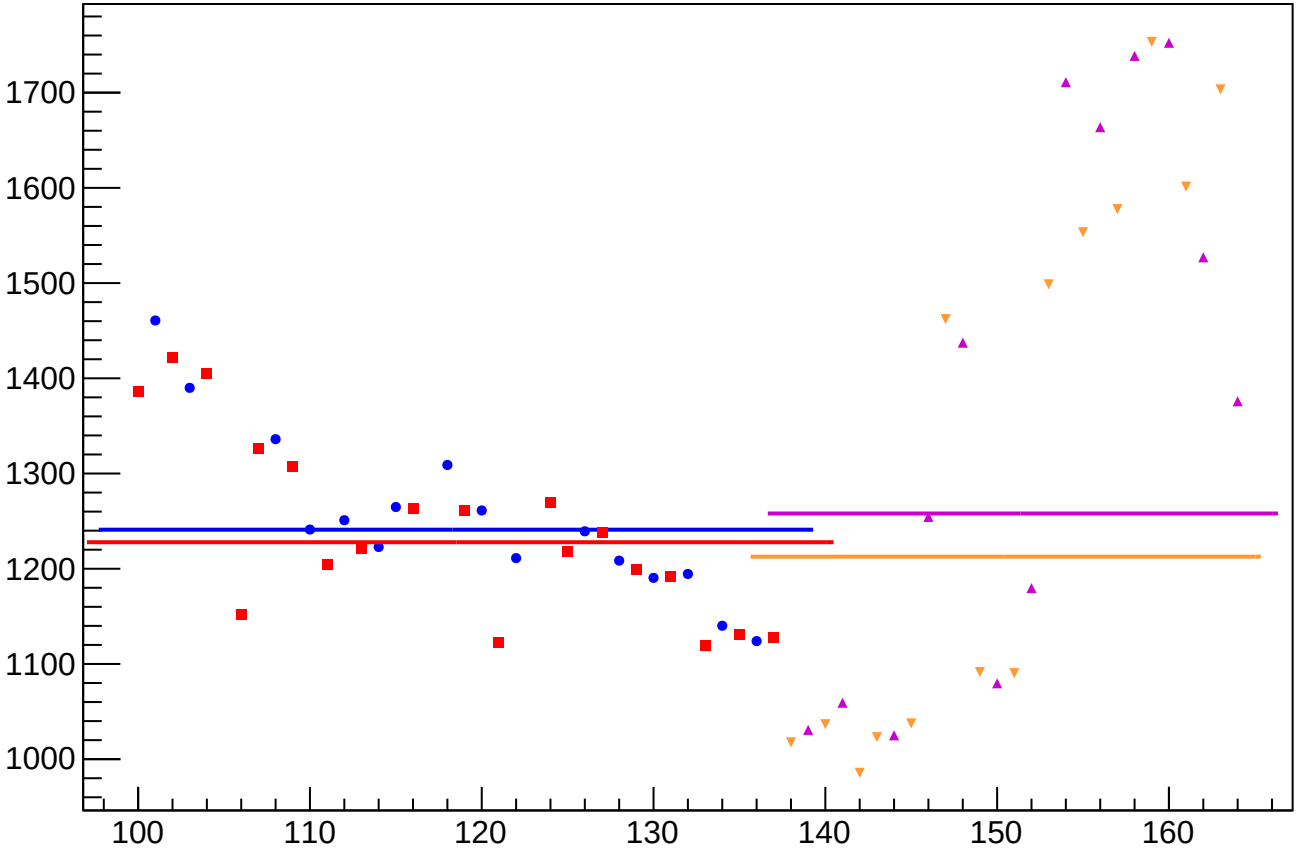
Left In: -0.612+/-0.390 χ^2/NDF:20.3/12

+ sign -2.444+/-0.290 χ^2/NDF: 614.6/29

All: -0.157+/-0.207 χ^2/NDF: 1172.2/61

- 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: 1212.666+/-0.264 χ^2/NDF:959796.5/13

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

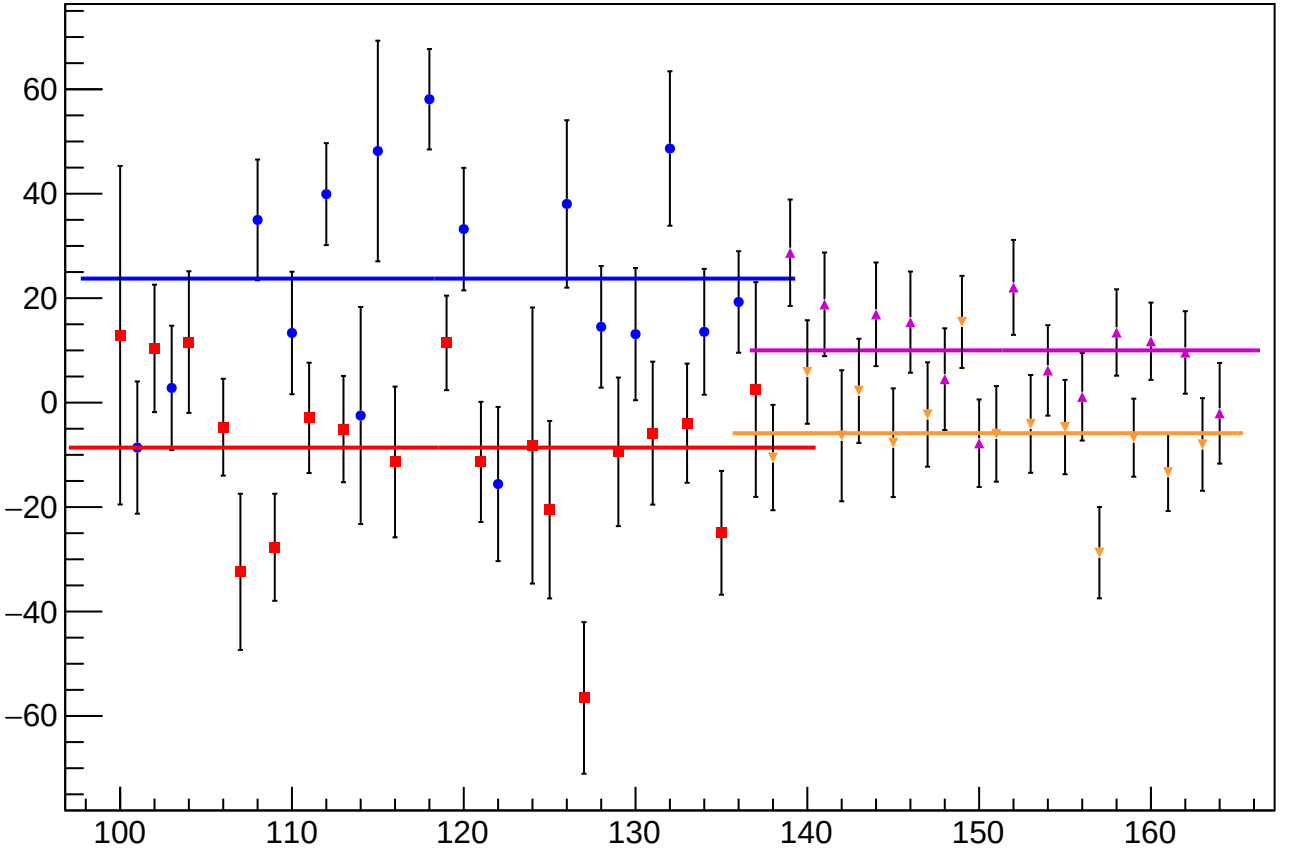
Left In: 1258.022+/-0.276 χ^2/NDF:856038.8/12

+ sign 1223.832+/-0.205 χ^2/NDF: 1045004.3/29

All: 1234.278+/-0.146 χ^2/NDF: 1993783.0/61

- 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: -5.853+/-2.454 χ^2/NDF:16.3/13

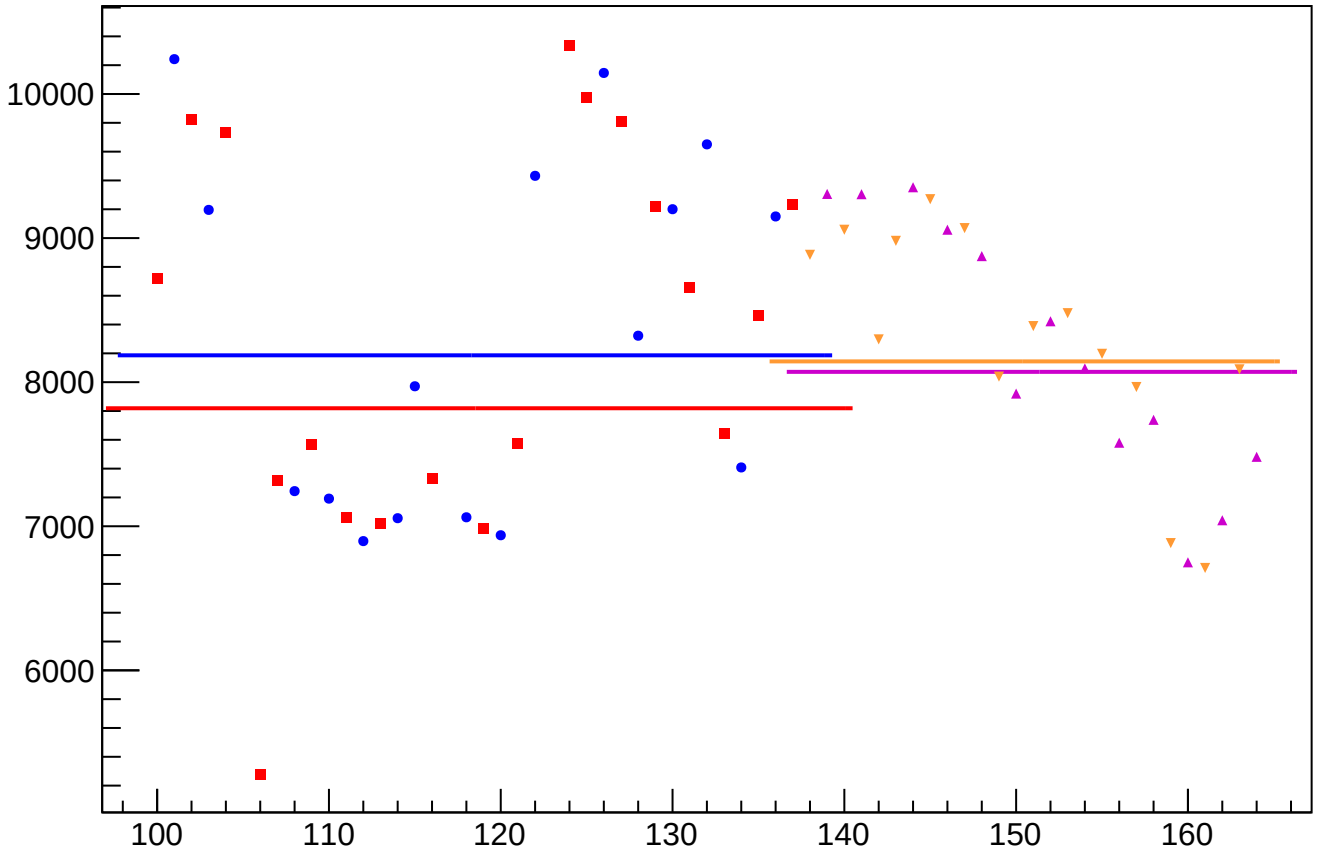
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.007+/-2.464 χ^2/NDF:14.6/12

+ sign 5.638+/-1.920 χ^2/NDF: 116.2/29

All: 3.880+/-1.342 χ^2/NDF: 186.8/61

- 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: 8144.218+/-1.736 χ^2/NDF:219420.8/13

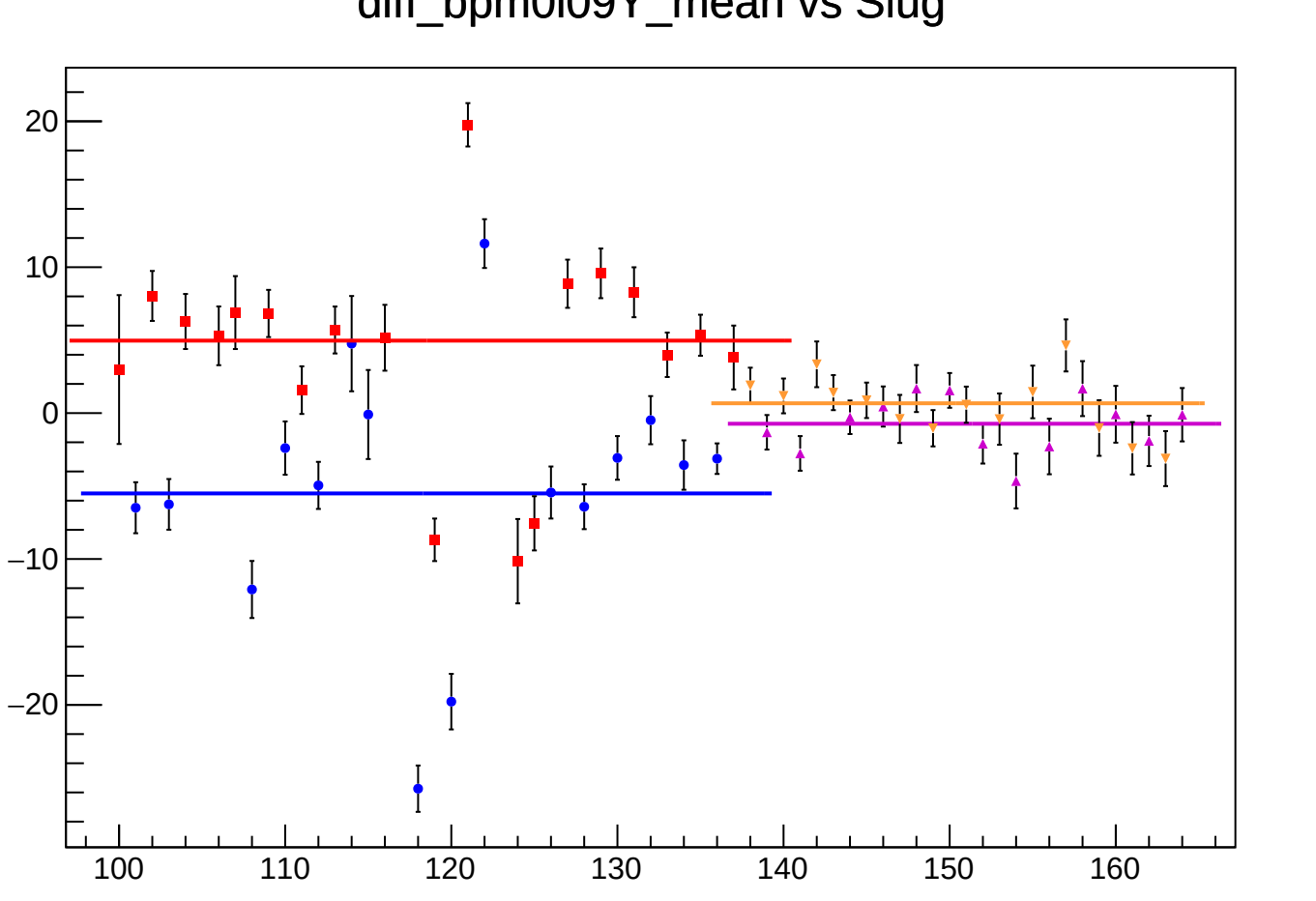
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8071.606+/-1.742 χ^2/NDF:246993.2/12

+ sign 8160.577+/-1.358 χ^2/NDF: 510278.4/29

All: 8060.935+/-0.949 χ^2/NDF: 1199628.0/61

- 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: 0.672+/-0.388 χ^2/NDF:20.1/13

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

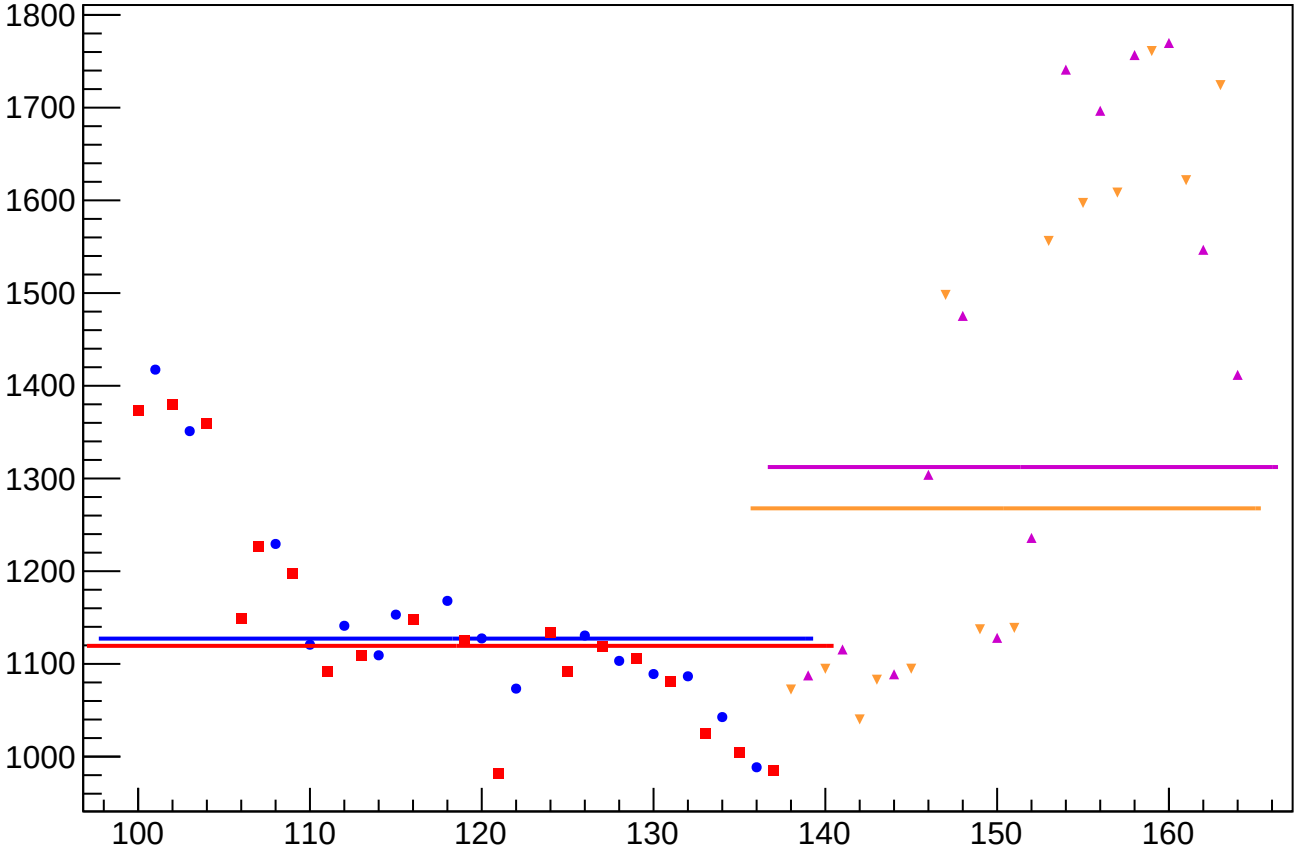
Left In: -0.730+/-0.406 χ^2/NDF:18.4/12

+ sign -2.168+/-0.285 χ^2/NDF: 506.4/29

All: -0.065+/-0.203 χ^2/NDF: 1019.4/61

- 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: 1267.792+/-0.274 χ^2/NDF:829356.9/13

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

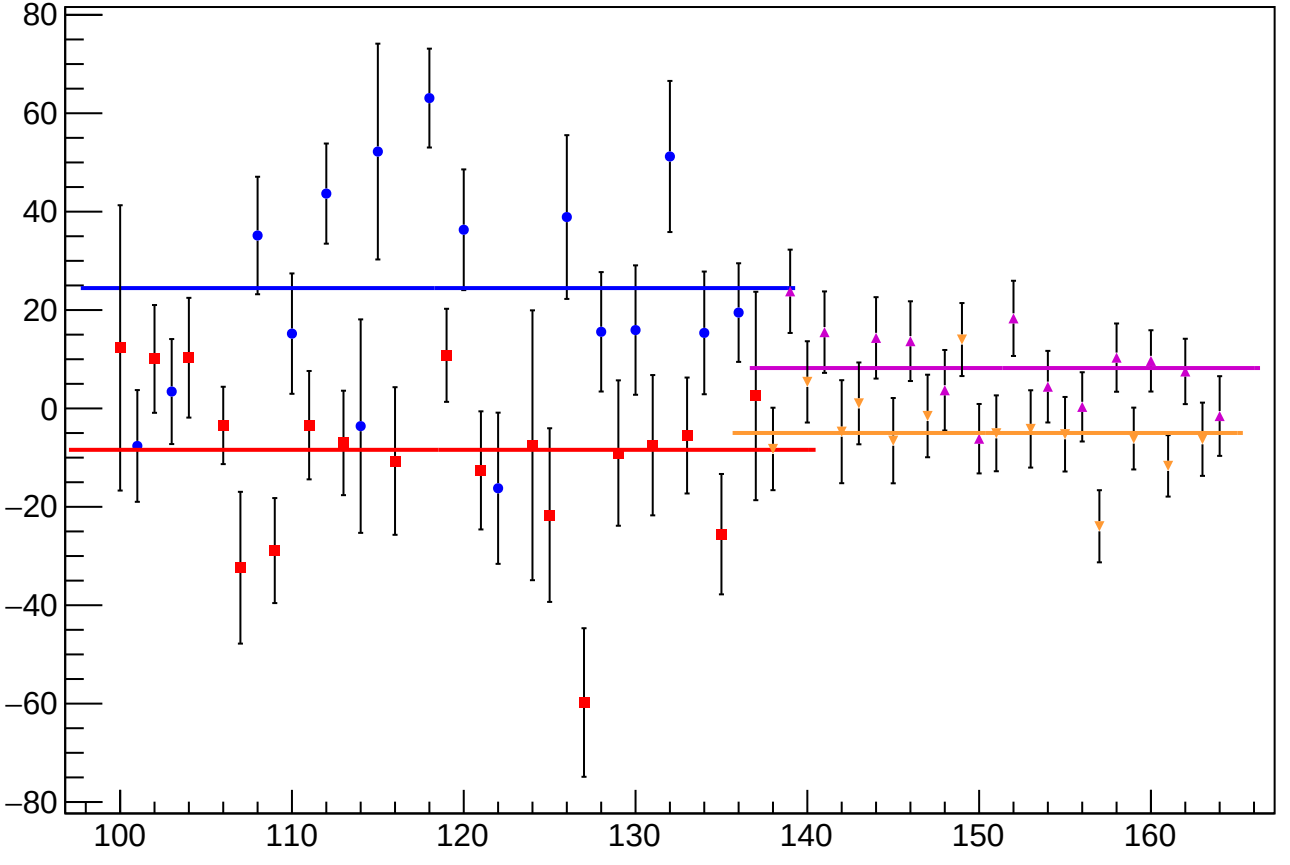
Left In: 1312.345+/-0.287 χ^2/NDF:728070.5/12

+ sign 1203.215+/-0.202 χ^2/NDF: 1090419.0/29

All: 1210.056+/-0.143 χ^2/NDF: 2185086.5/61

- 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: -4.987+/-2.058 χ^2/NDF:16.9/13

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

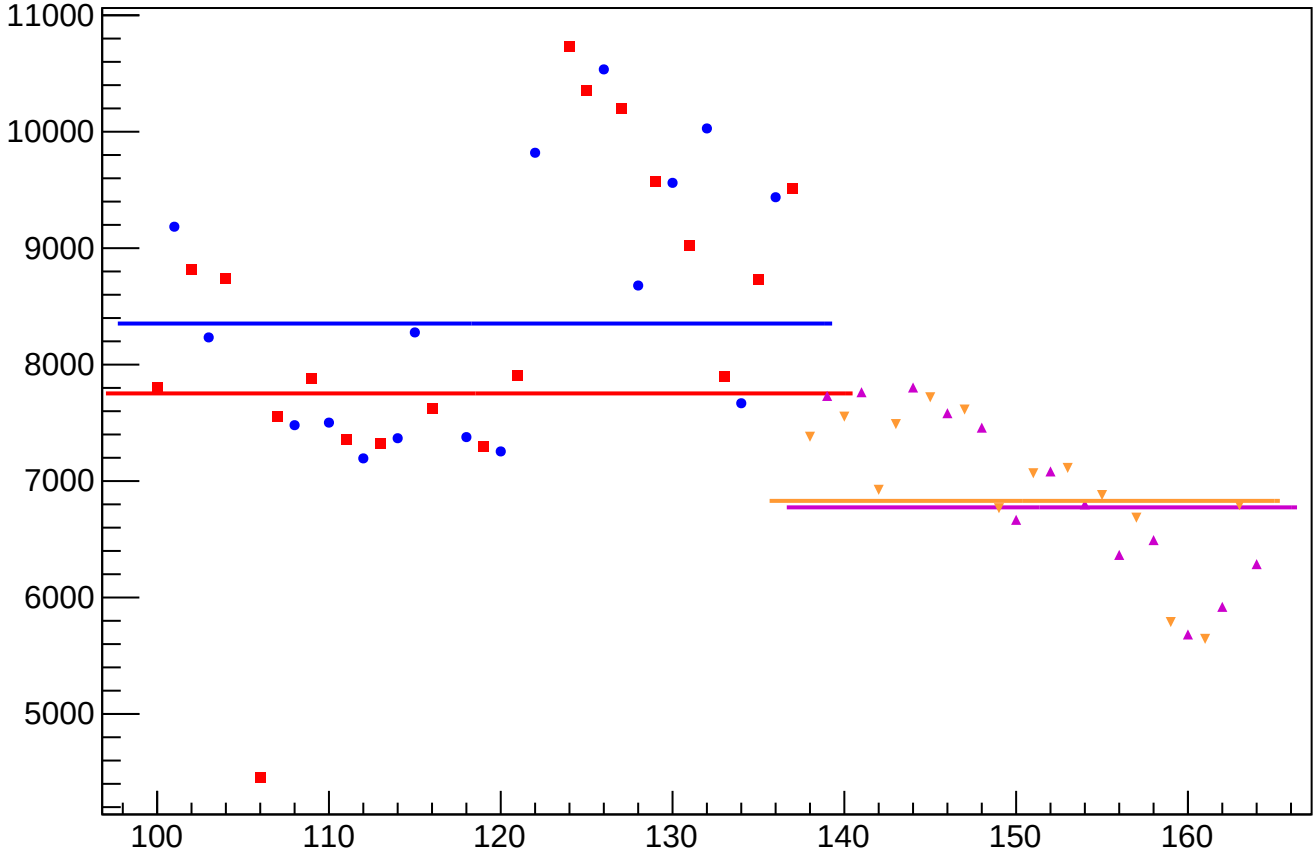
Left In: 8.211+/-2.067 χ^2/NDF:14.5/12

+ sign 3.876+/-1.720 χ^2/NDF: 126.9/29

All: 3.216+/-1.203 χ^2/NDF: 194.7/61

- 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: 6829.962+/-1.455 χ^2/NDF:207613.5/13

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

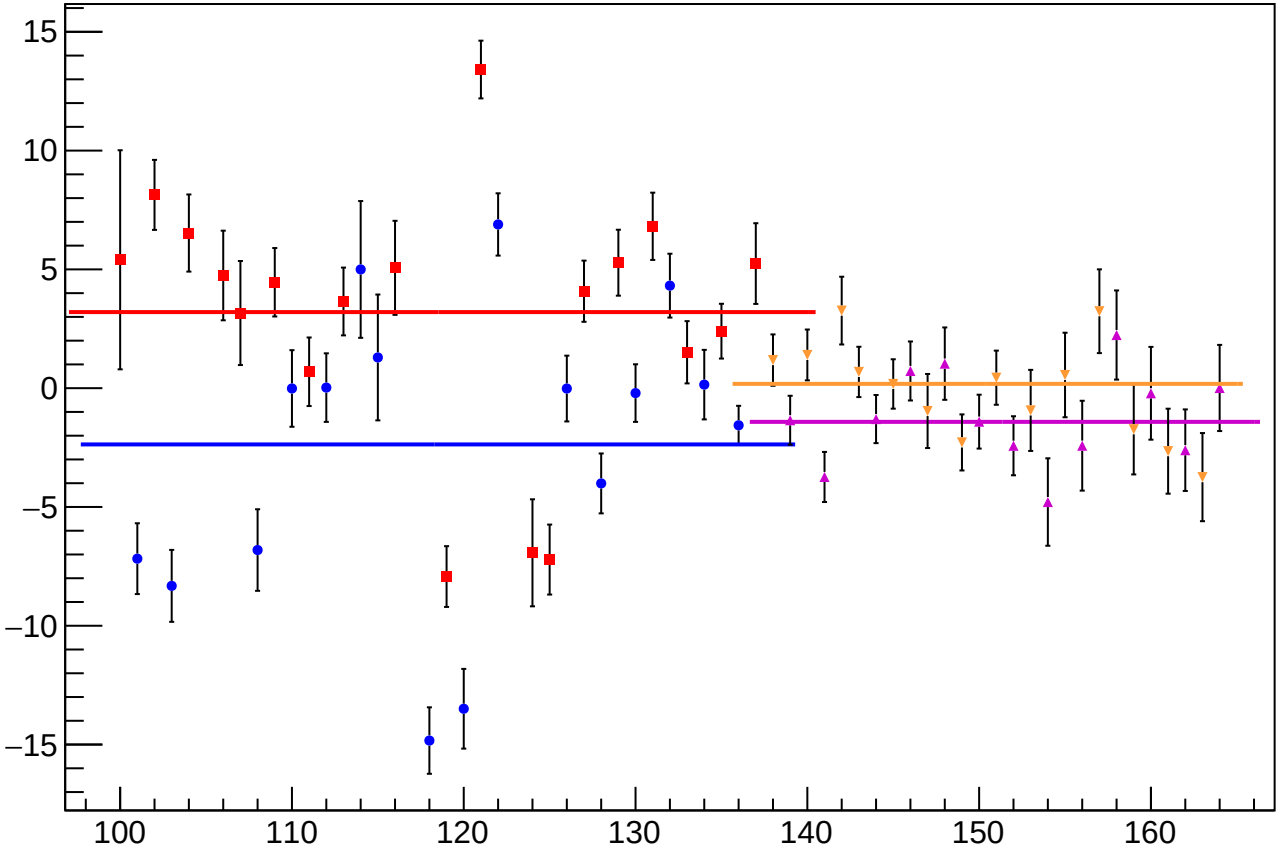
Left In: 6774.210+/-1.462 χ^2/NDF:234372.0/12

+ sign 7288.237+/-1.217 χ^2/NDF: 757661.4/29

All: 7194.653+/-0.850 χ^2/NDF: 1743270.0/61

- 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: 0.182+/-0.358 χ^2/NDF:23.5/13

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

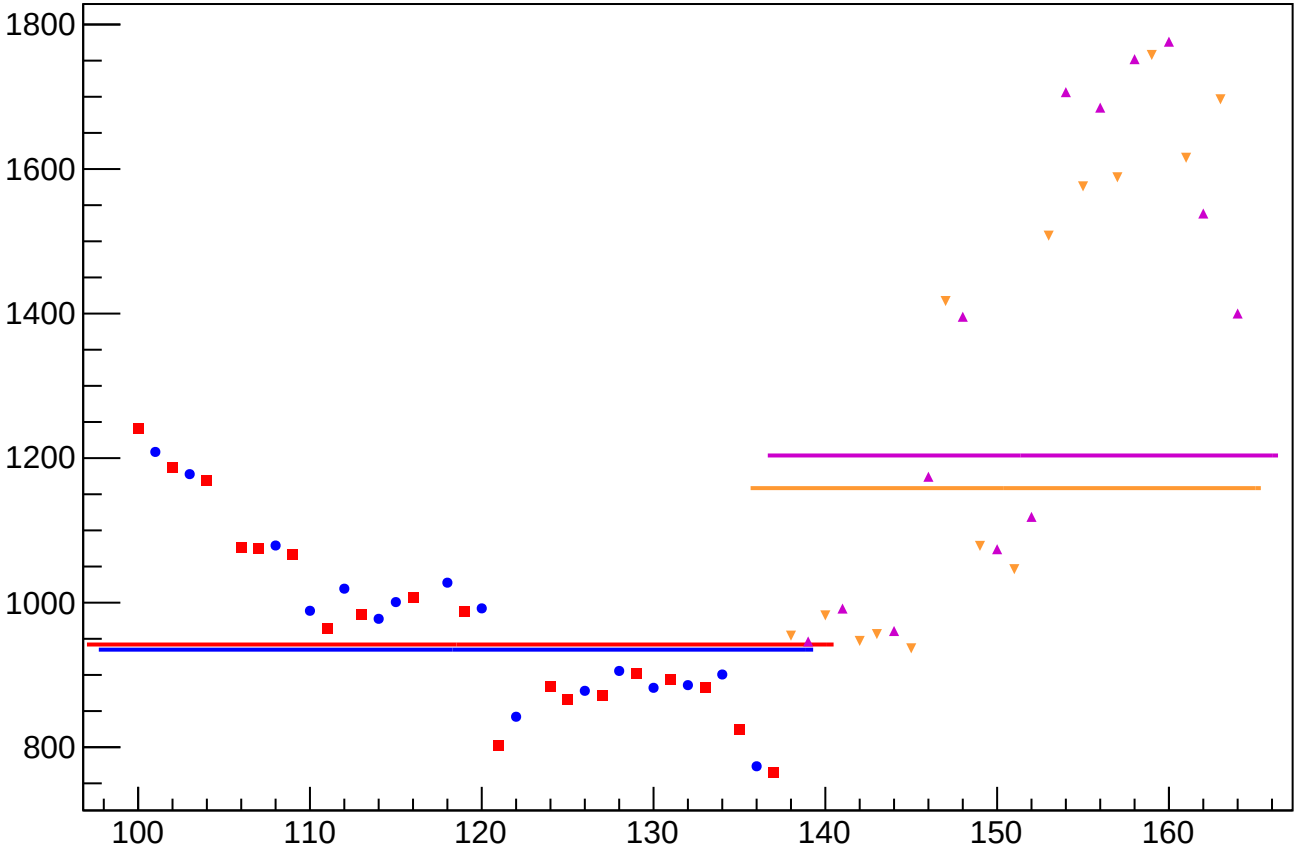
Left In: -1.418+/-0.376 χ^2/NDF:20.0/12

+ sign -1.120+/-0.250 χ^2/NDF: 304.9/29

All: -0.039+/-0.179 χ^2/NDF: 695.2/61

- 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: 1158.487+/-0.253 χ^2/NDF:1227364.2/13

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

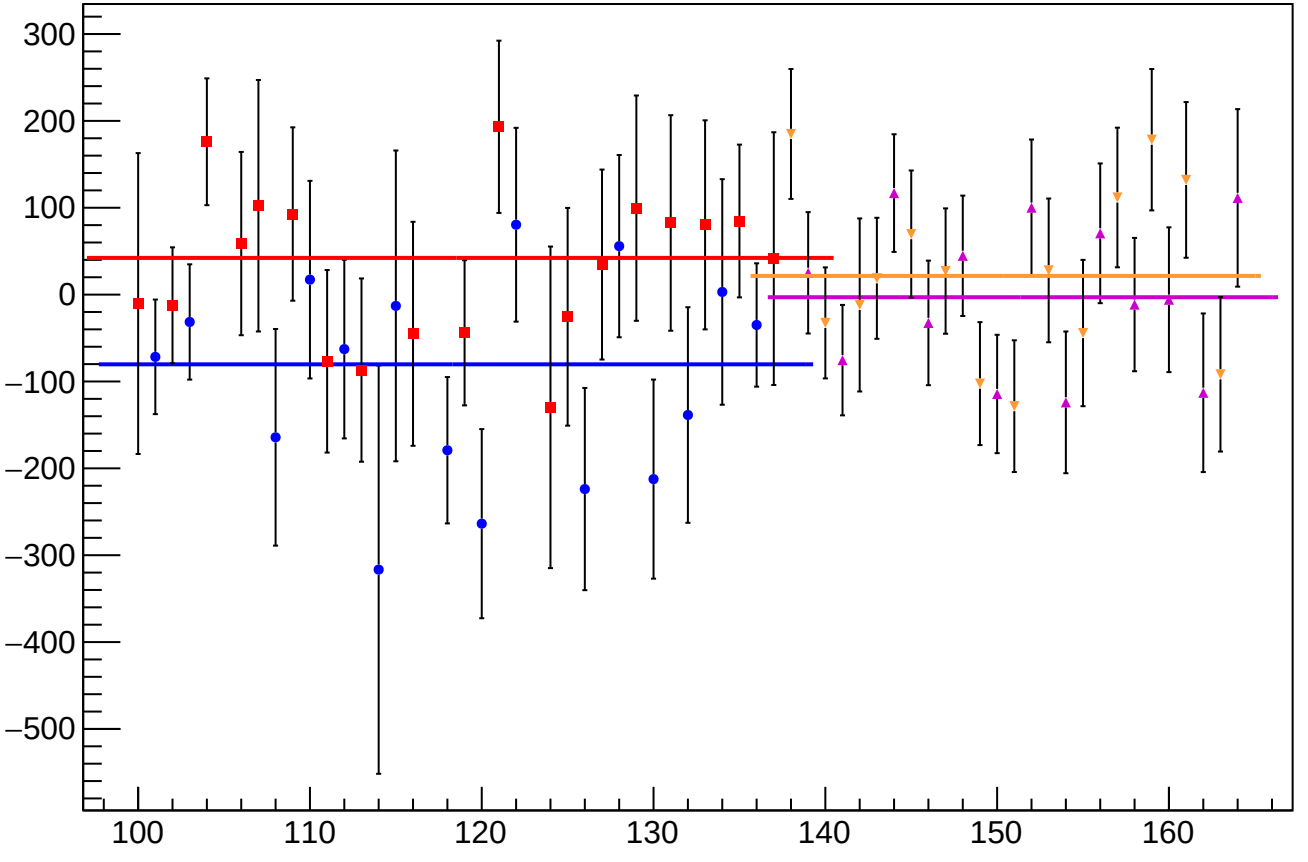
Left In: 1203.656+/-0.266 χ^2/NDF:1110266.2/12

+ sign 1044.325+/-0.177 χ^2/NDF: 1879741.9/29

All: 1053.162+/-0.126 χ^2/NDF: 3751646.4/61

- 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: 21.531+/-20.732 χ^2/NDF:21.8/13

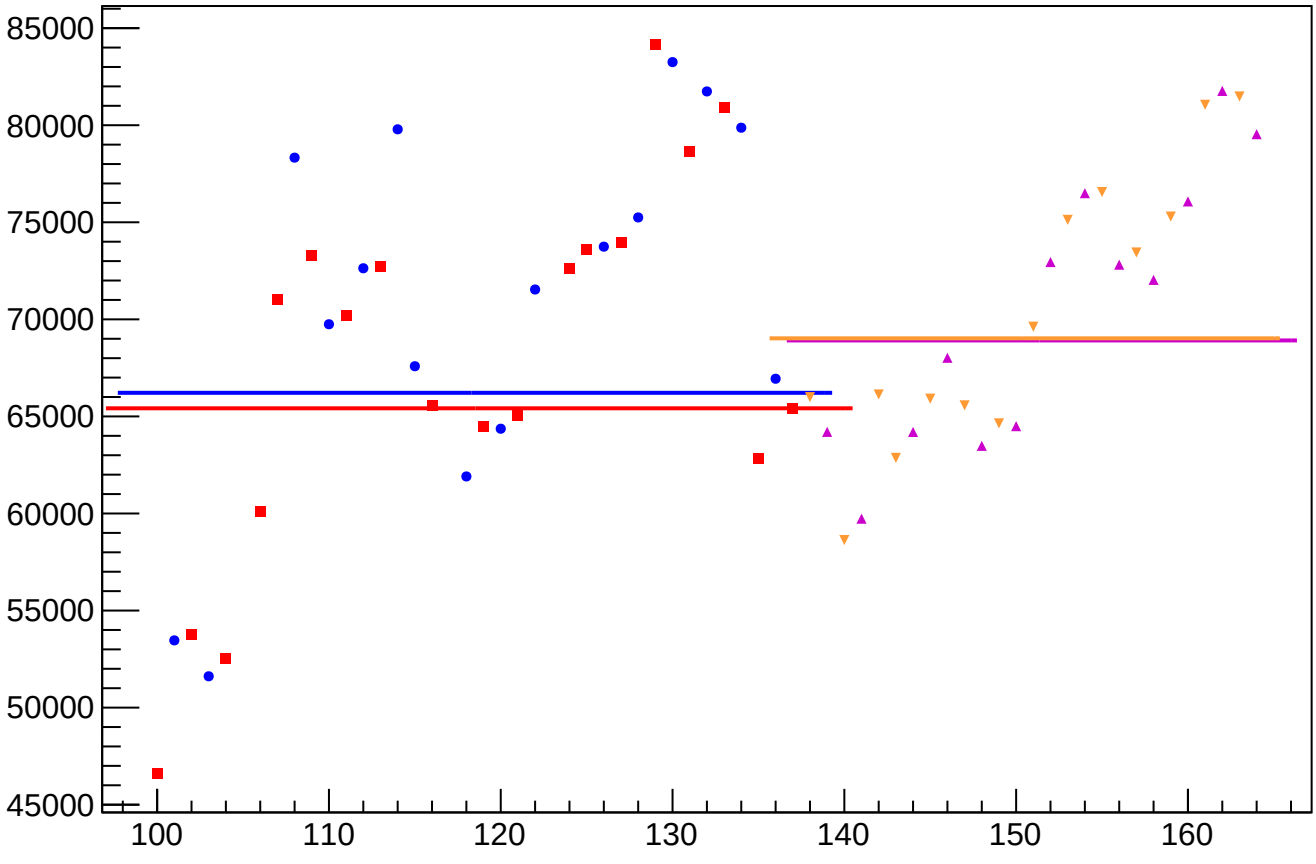
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -2.990+/-20.919 χ^2/NDF:15.4/12

+ sign -20.123+/-15.935 χ^2/NDF: 46.4/29

All: -1.711+/-11.223 χ^2/NDF: 79.5/61

- 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: 69022.460+/-14.660 χ^2/NDF:209577.7/13

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

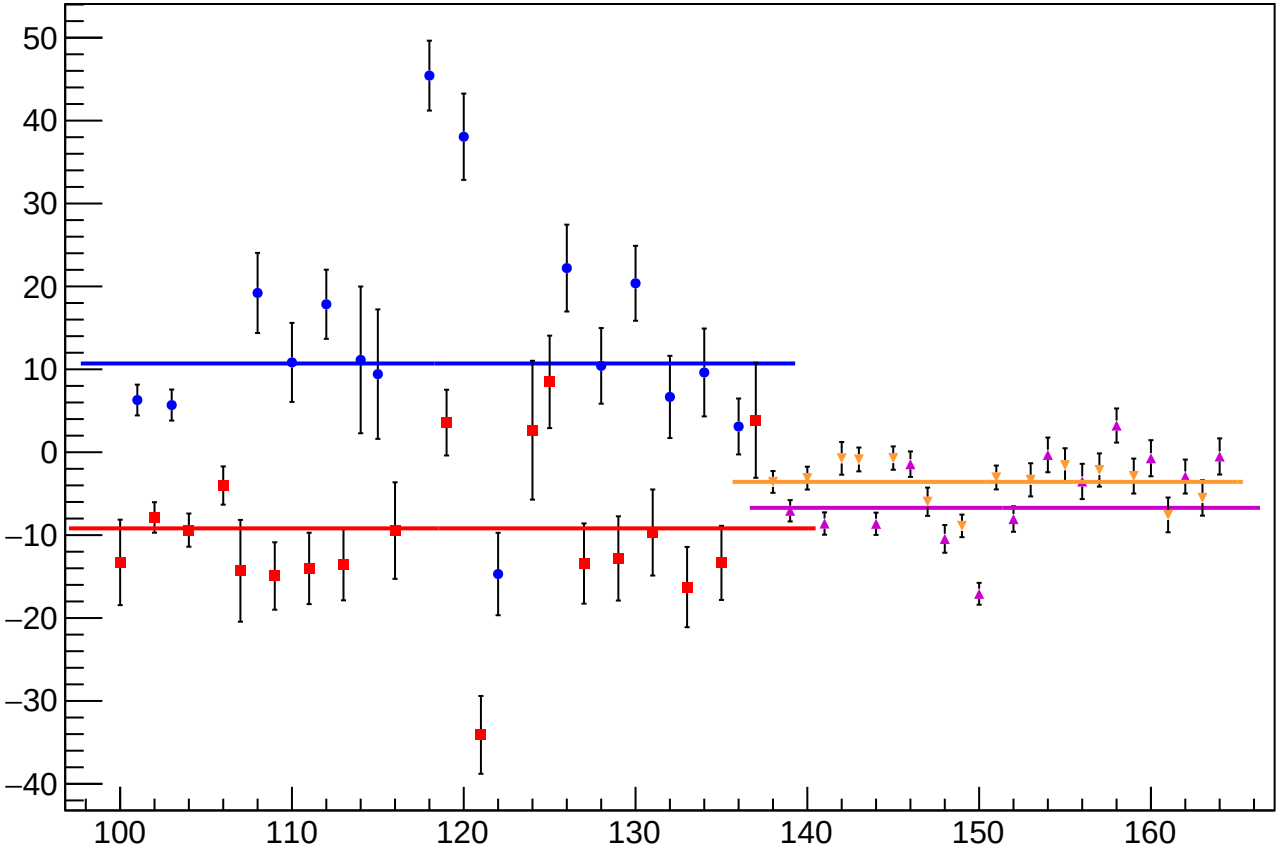
Left In: 68913.988+/-14.792 χ^2/NDF:188094.8/12

+ sign 67873.971+/-11.268 χ^2/NDF: 562952.3/29

All: 67642.780+/-7.936 χ^2/NDF: 1080382.8/6

- 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: -3.573+/-0.442 χ^2/NDF:33.2/13

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

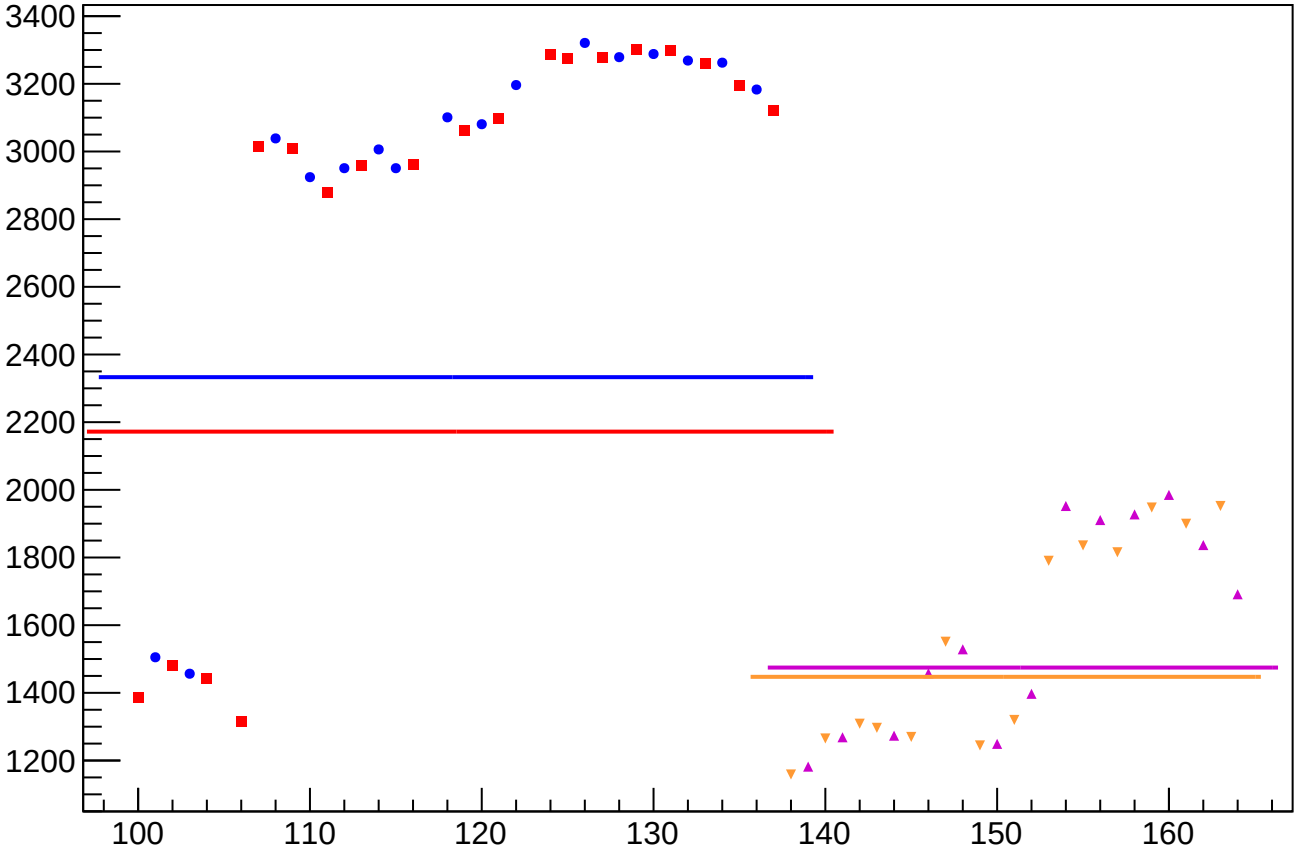
Left In: -6.707+/-0.455 χ^2/NDF:137.3/12

+ sign -0.903+/-0.398 χ^2/NDF: 384.3/29

All: -4.057+/-0.283 χ^2/NDF: 724.2/61

- 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: 1447.324+/-0.312 χ^2/NDF:779259.4/13

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

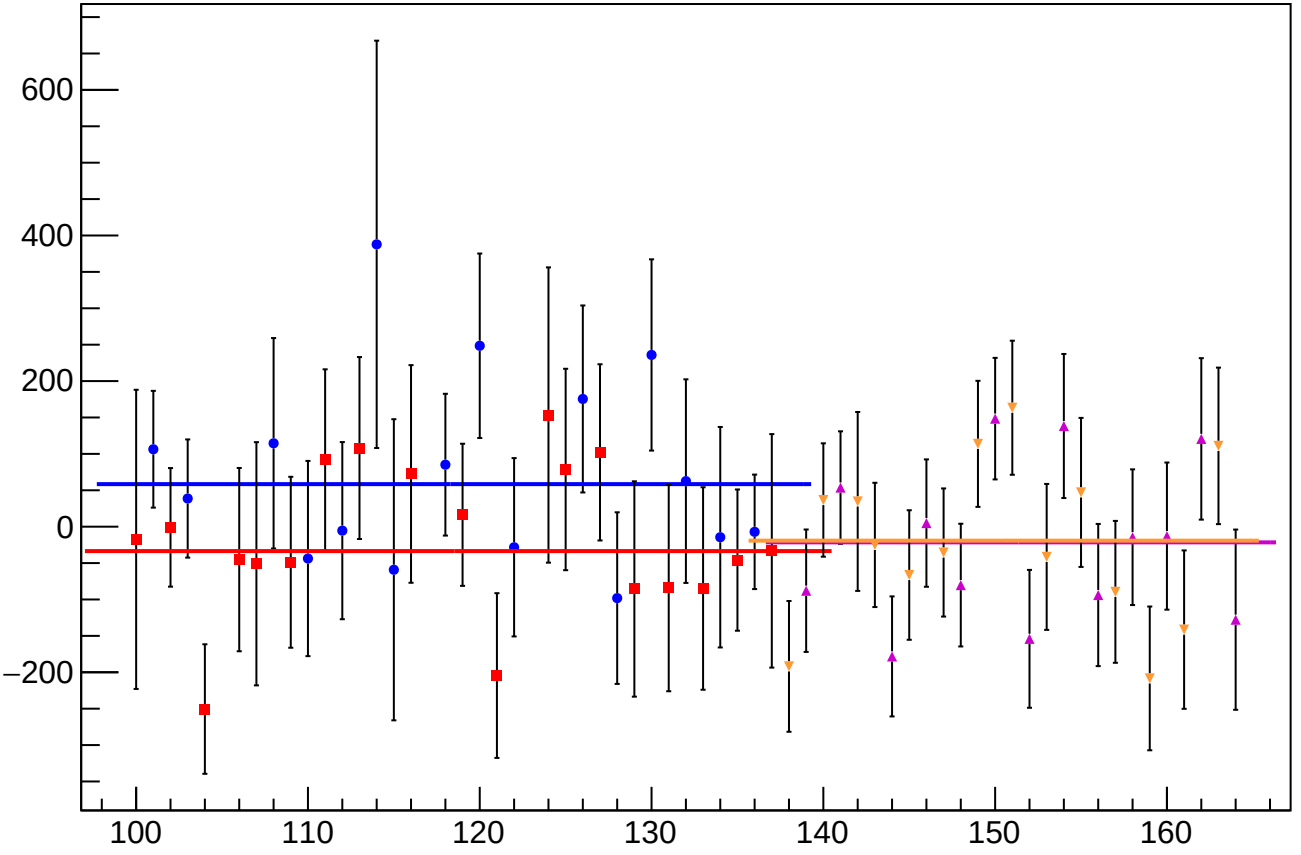
Left In: 1474.708+/-0.322 χ^2/NDF:737761.7/12

+ sign 1612.965+/-0.281 χ^2/NDF: 3935840.4/29

All: 1621.378+/-0.200 χ^2/NDF: 7705747.5/61

- 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: -19.194+/-25.215 χ^2/NDF:18.4/13

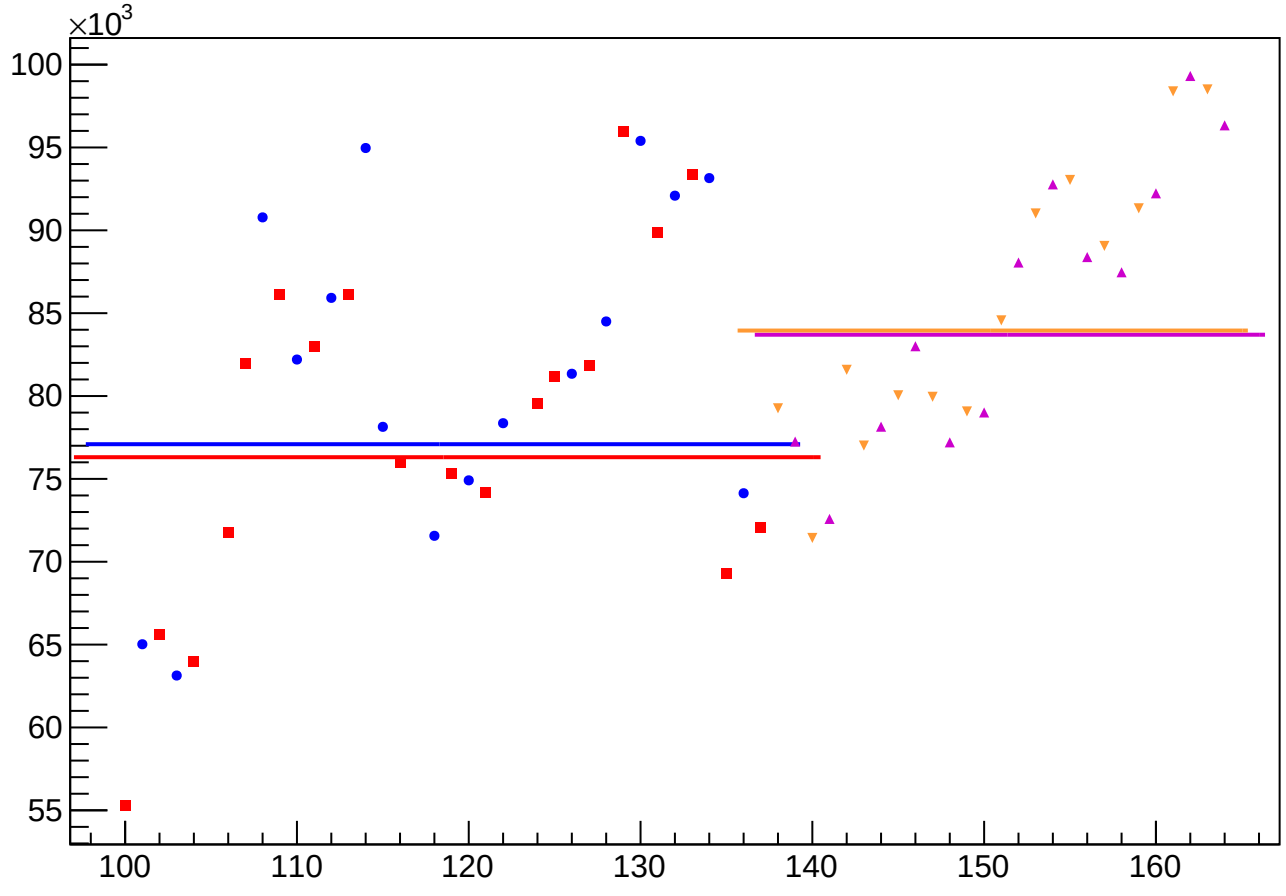
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -21.548+/-25.408 χ^2/NDF:17.4/12

+ sign 14.340+/-19.005 χ^2/NDF: 33.8/29

All: -6.467+/-13.383 χ^2/NDF: 68.4/61

- 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: 83951.834+/-17.829 χ^2/NDF:199714.8/13

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

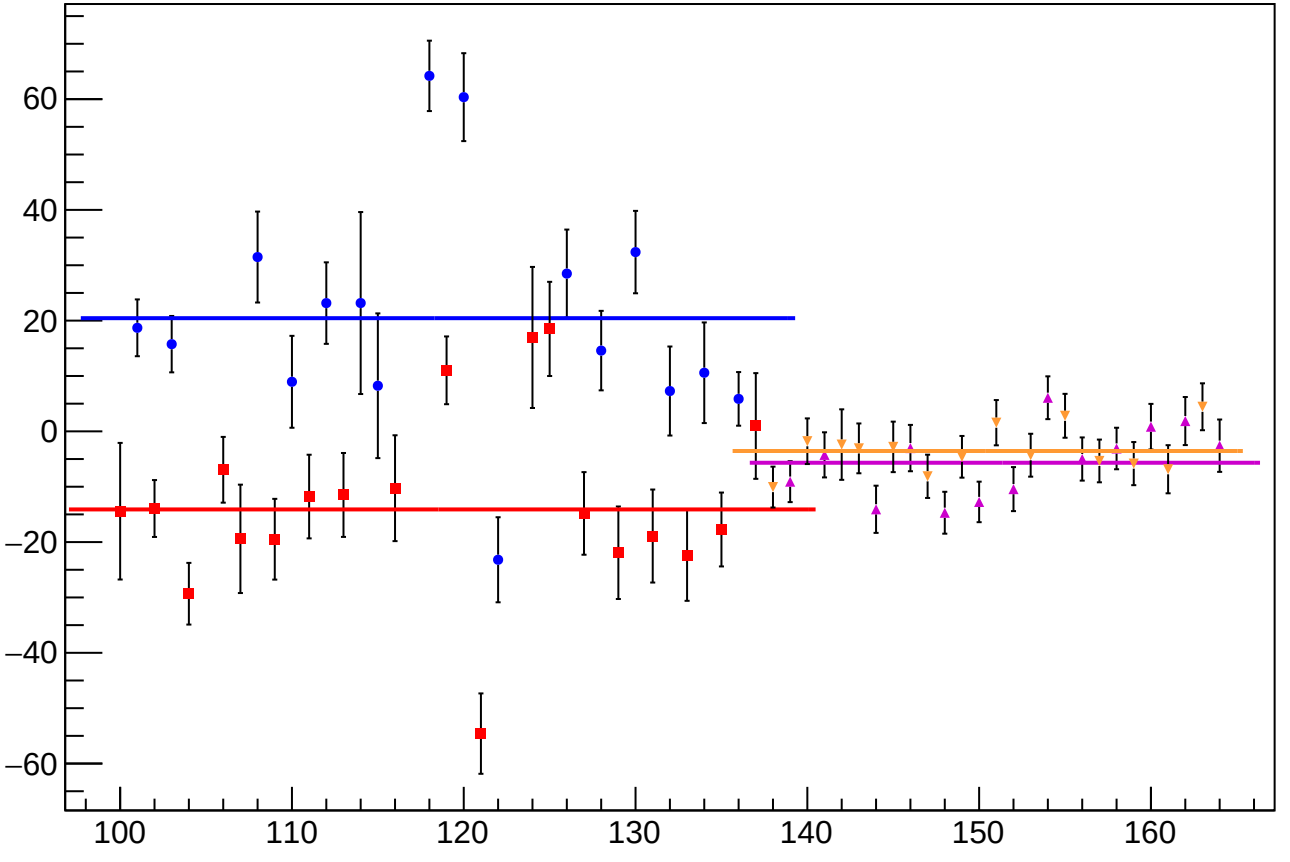
Left In: 83700.114+/-17.966 χ^2/NDF:184186.2/12

+ sign 80989.466+/-13.438 χ^2/NDF: 512172.8/29

All: 80680.218+/-9.463 χ^2/NDF: 1007959.8/6

- 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: -3.549+/-1.103 χ^2/NDF:13.7/13

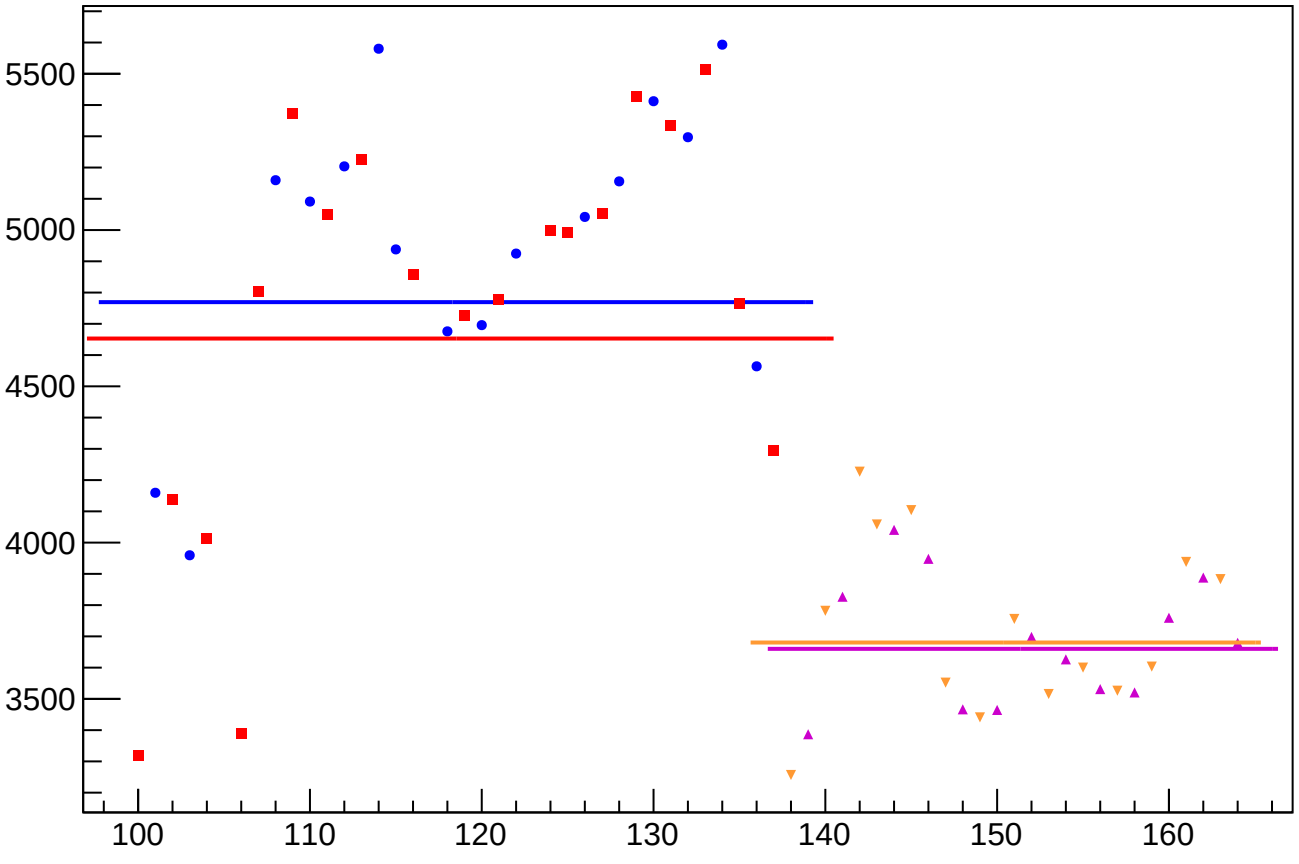
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -5.672+/-1.109 χ^2/NDF:31.8/12

+ sign 3.095+/-0.938 χ^2/NDF: 272.6/29

All: -2.574+/-0.661 χ^2/NDF: 477.7/61

- sign -8.159+/-0.931 χ^2/NDF: 132.6/31



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3680.358+/-0.780 χ^2/NDF:104645.7/13

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

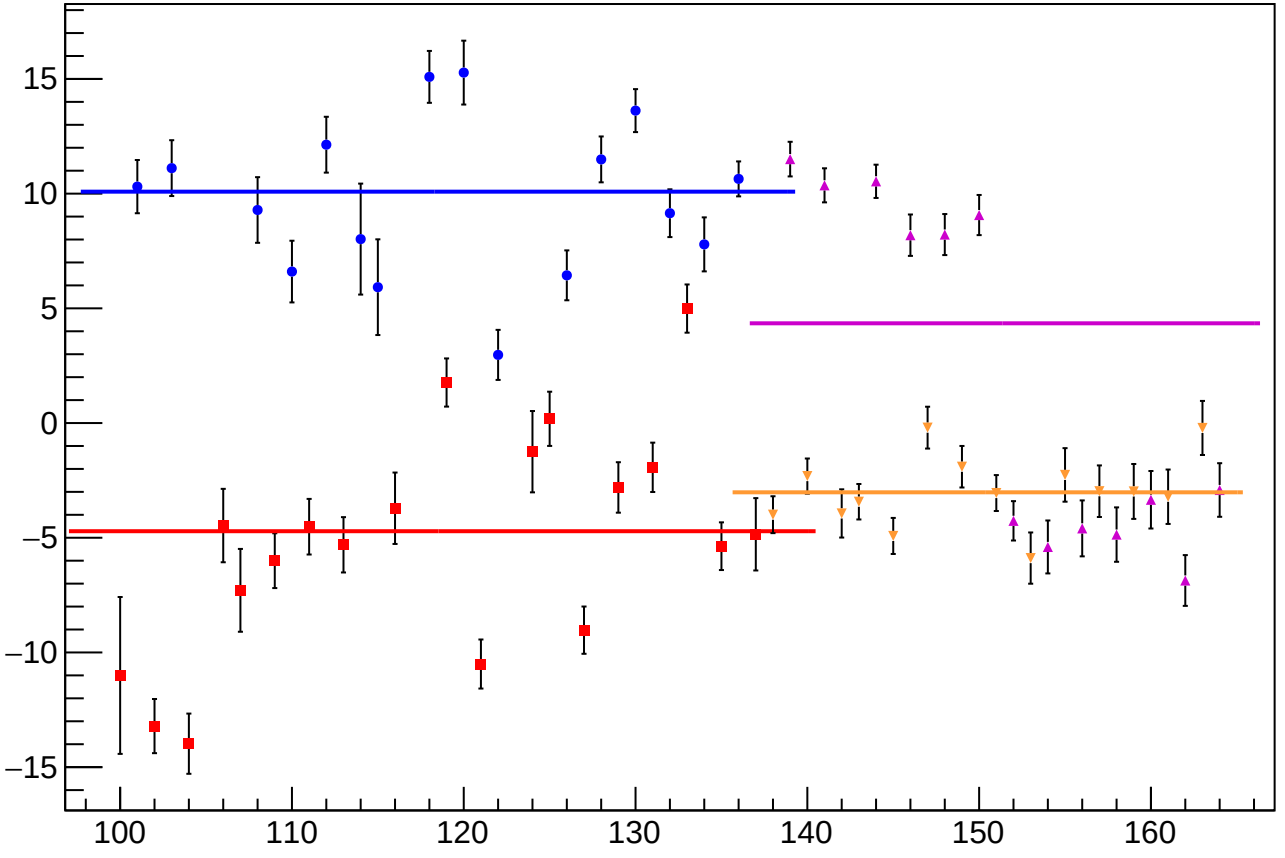
Left In: 3660.077+/-0.784 χ^2/NDF:62625.5/12

+ sign 3981.946+/-0.663 χ^2/NDF: 796431.2/29

All: 3967.372+/-0.467 χ^2/NDF: 1598443.2/61

- 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: -3.019+/-0.250 χ^2/NDF:33.0/13

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

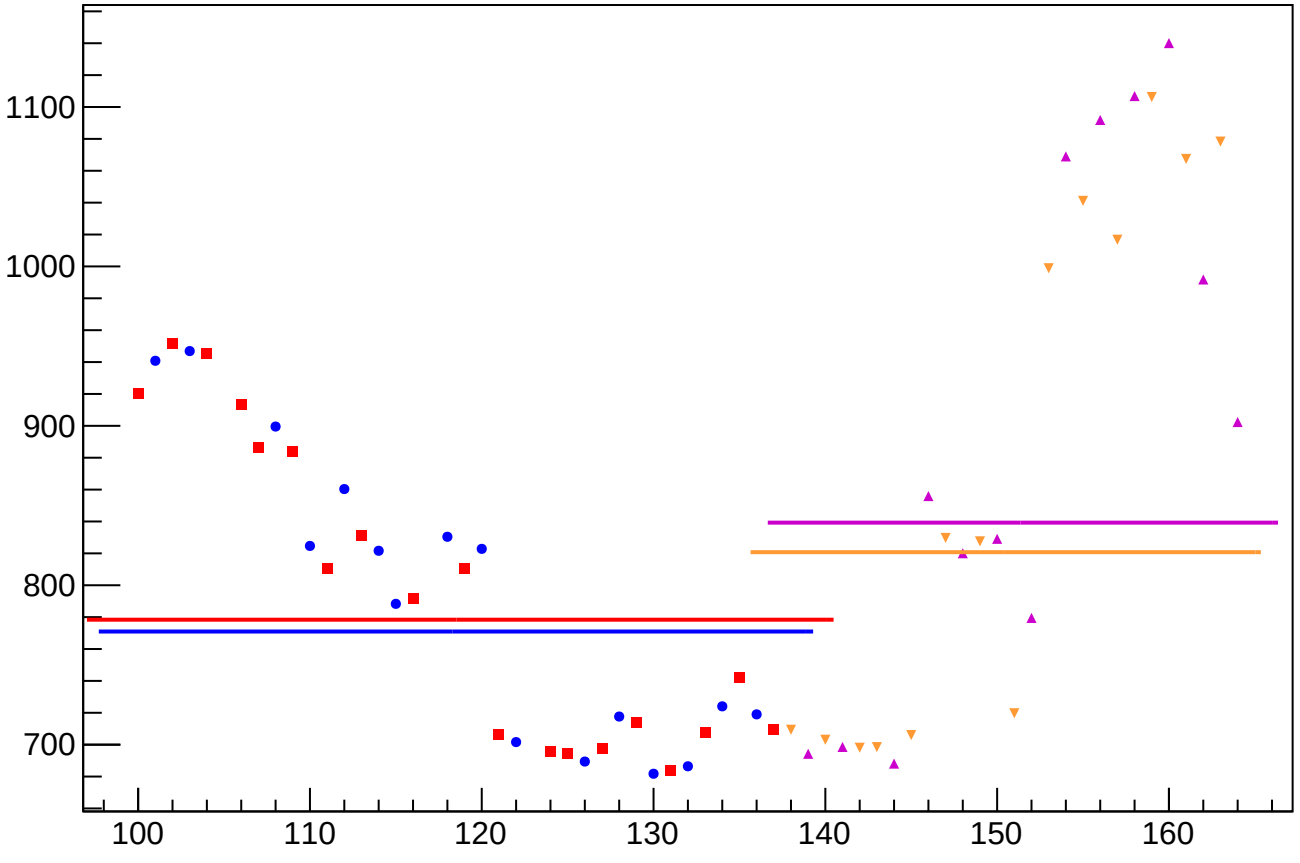
Left In: 4.348+/-0.259 χ^2/NDF:759.5/12

+ sign 2.612+/-0.189 χ^2/NDF: 1334.9/29

All: 1.455+/-0.135 χ^2/NDF: 3033.3/61

- sign 0.265+/-0.192 χ^2/NDF: 1622.4/31

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.744+/-0.177 χ^2/NDF:718123.5/13

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

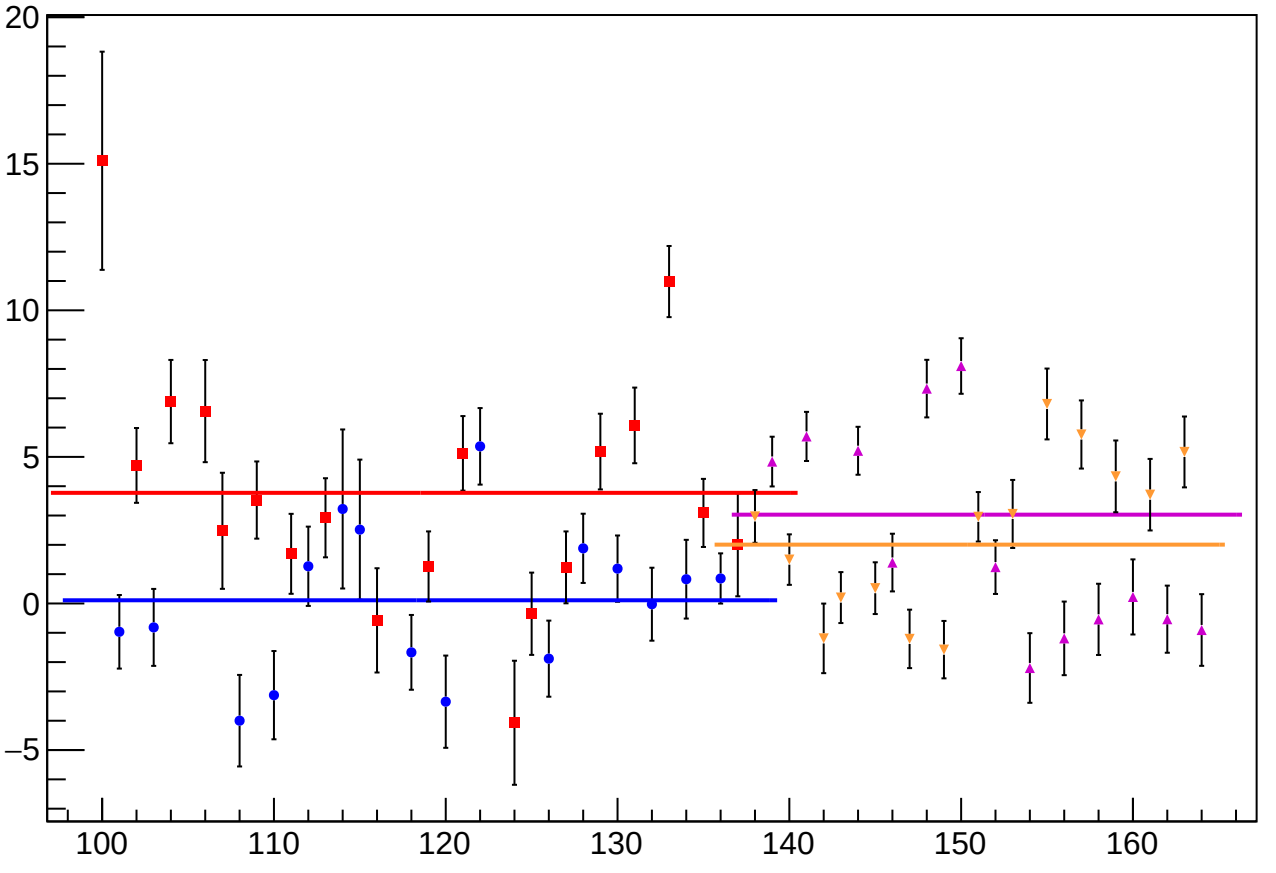
Left In: 839.275+/-0.183 χ^2/NDF:670144.5/12

+ sign 799.358+/-0.134 χ^2/NDF: 945012.1/29

All: 805.511+/-0.095 χ^2/NDF: 1865880.7/61

- 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: 2.007+/-0.272 χ^2/NDF:80.4/13

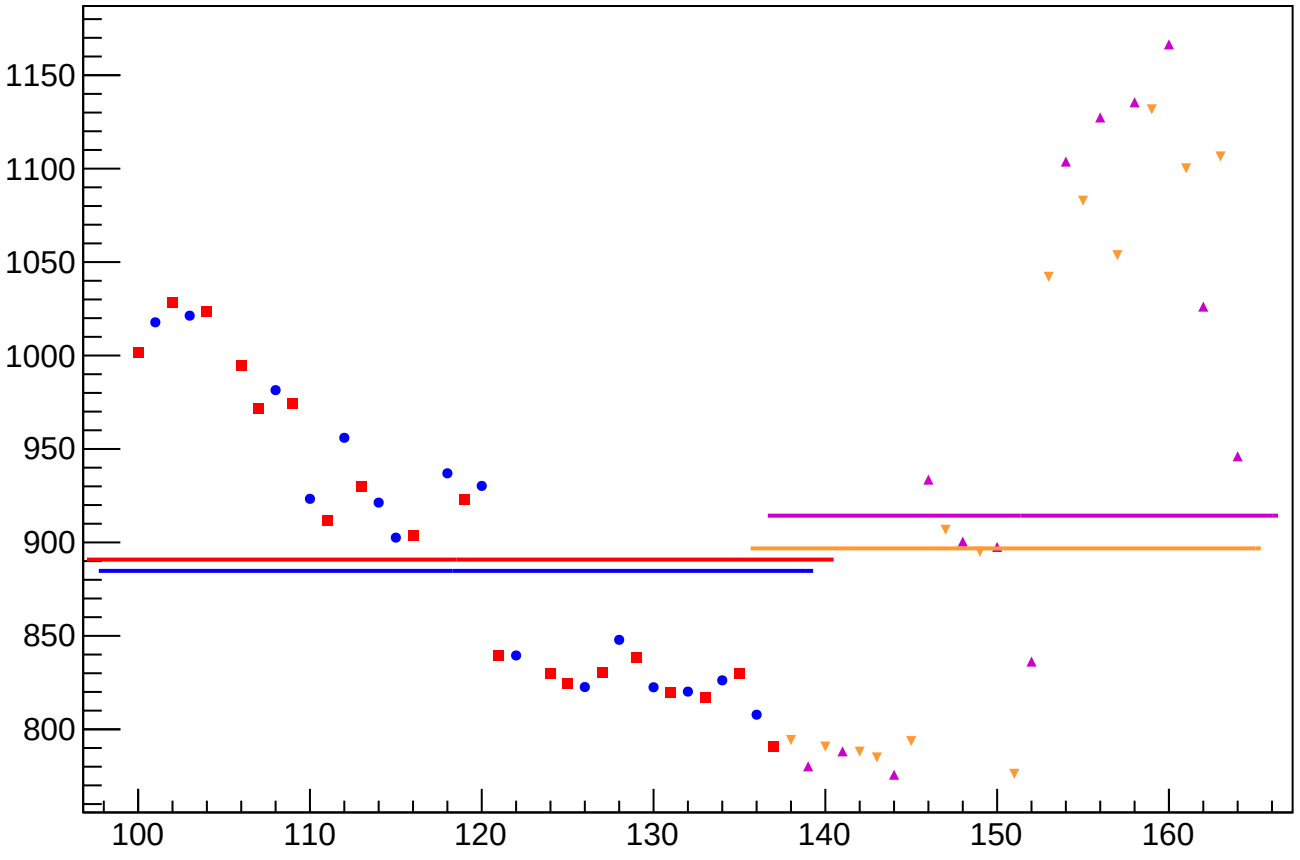
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 3.029+/-0.280 χ^2/NDF:140.4/12

+ sign 1.240+/-0.210 χ^2/NDF: 145.5/29

All: 2.279+/-0.149 χ^2/NDF: 438.2/61

- sign 3.345+/-0.212 χ^2/NDF: 242.9/31



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 896.801+/-0.192 χ^2/NDF:479169.1/13

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

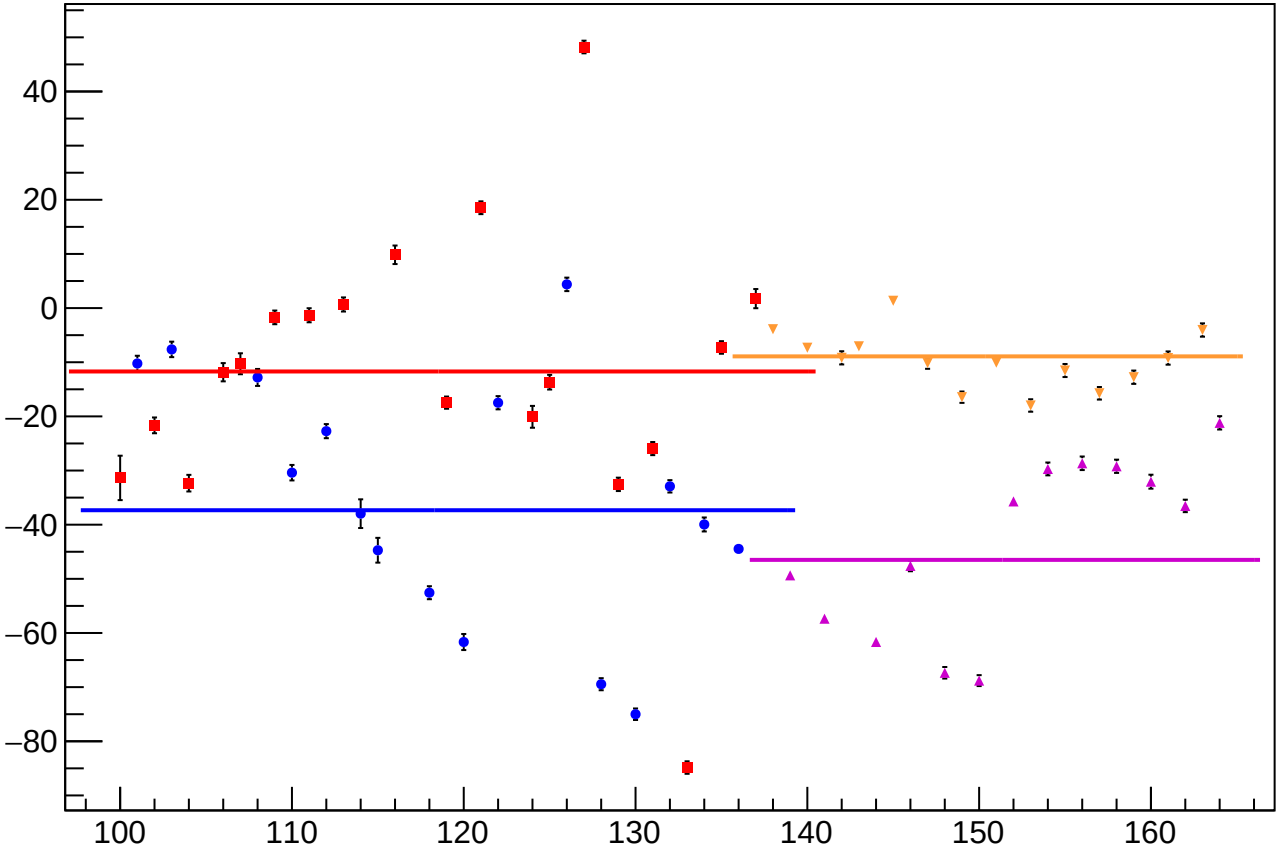
Left In: 914.327+/-0.198 χ^2/NDF:441851.2/12

+ sign 891.939+/-0.148 χ^2/NDF: 585247.1/29

All: 898.062+/-0.106 χ^2/NDF: 1144299.2/61

- 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: -8.918+/-0.276 χ^2/NDF:348.5/13

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

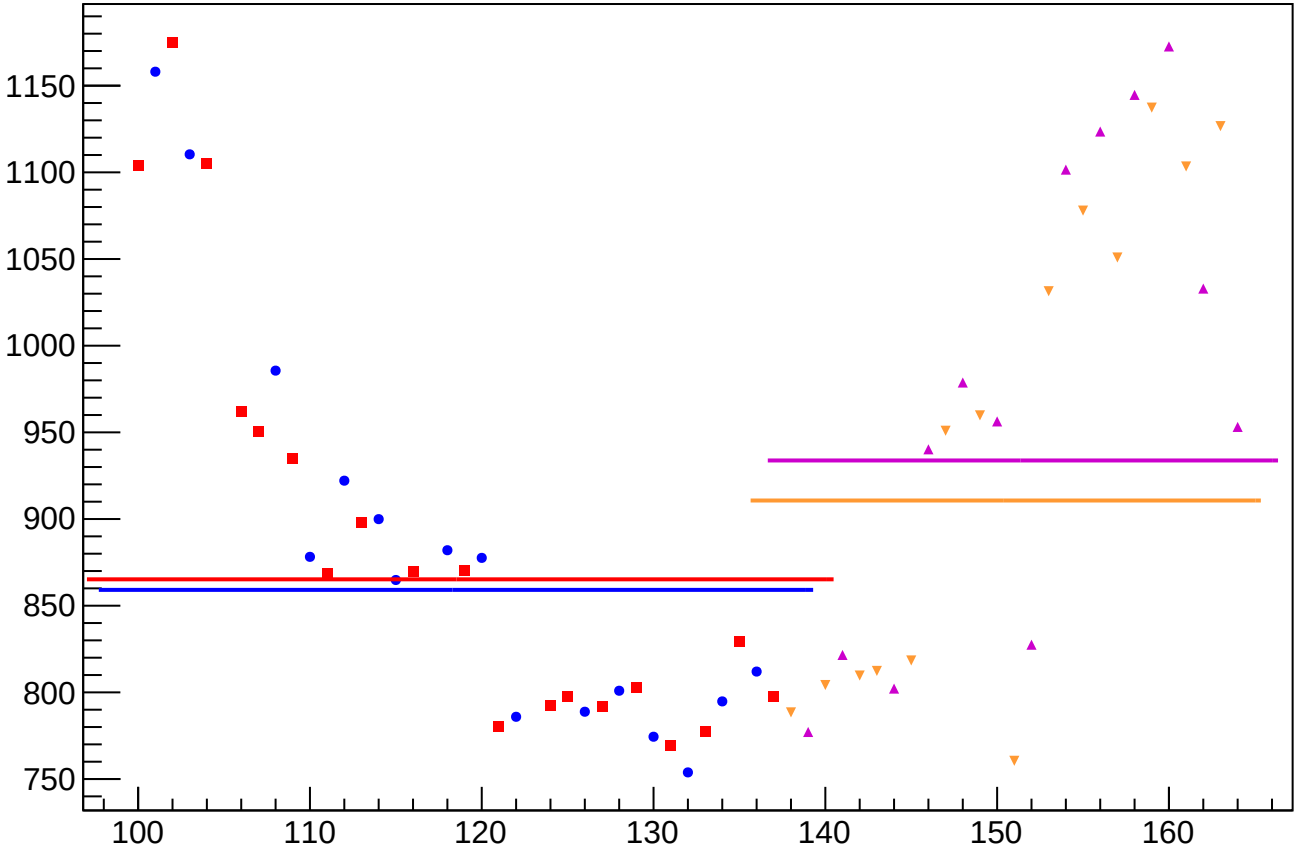
Left In: -46.499+/-0.286 χ^2/NDF:2722.9/12

+ sign -20.960+/-0.209 χ^2/NDF: 10026.6/29

All: -25.875+/-0.149 χ^2/NDF: 28952.3/61

- 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: 910.685+/-0.195 χ^2/NDF:467199.0/13

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

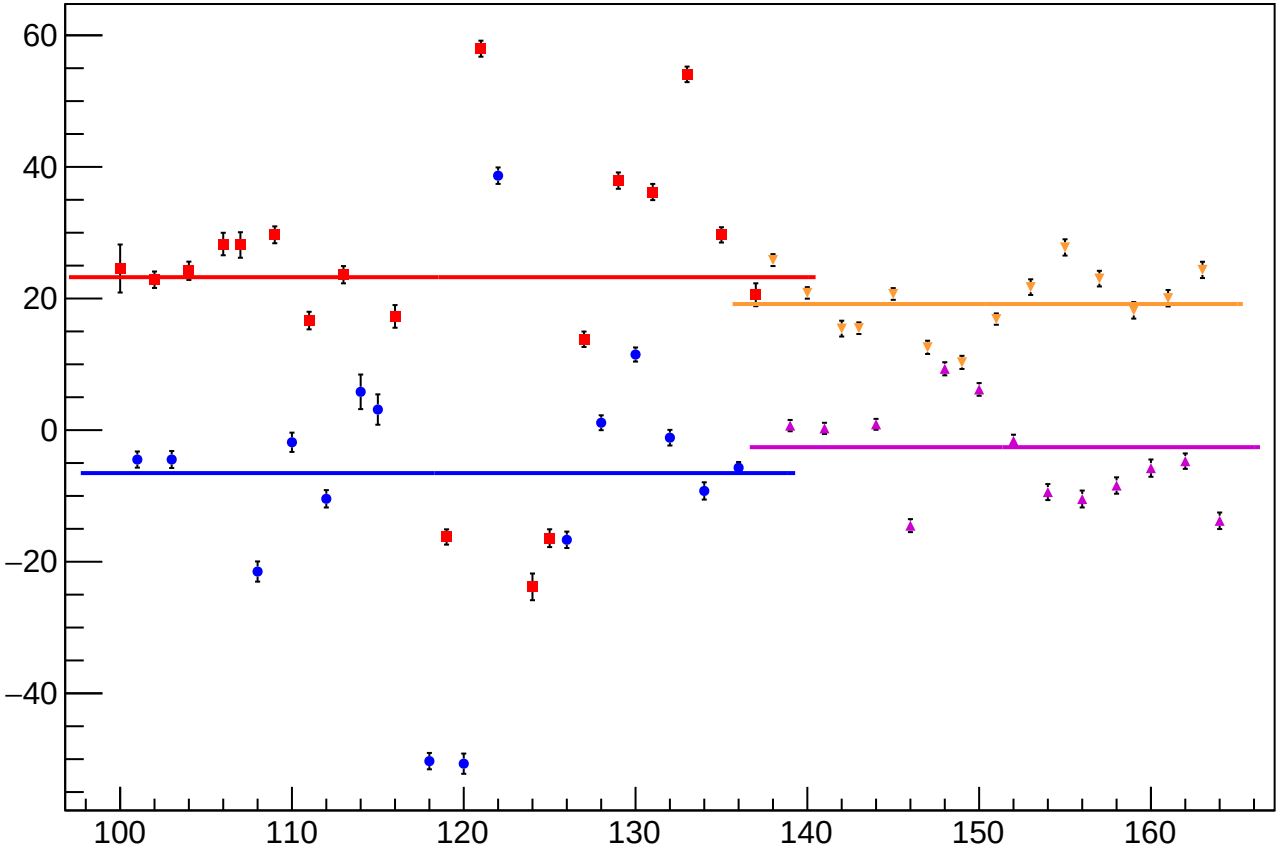
Left In: 933.783+/-0.202 χ^2/NDF:411411.3/12

+ sign 888.833+/-0.148 χ^2/NDF: 725503.2/29

All: 895.869+/-0.106 χ^2/NDF: 1416596.6/61

- 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: 19.163+/-0.276 χ^2/NDF:298.5/13

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

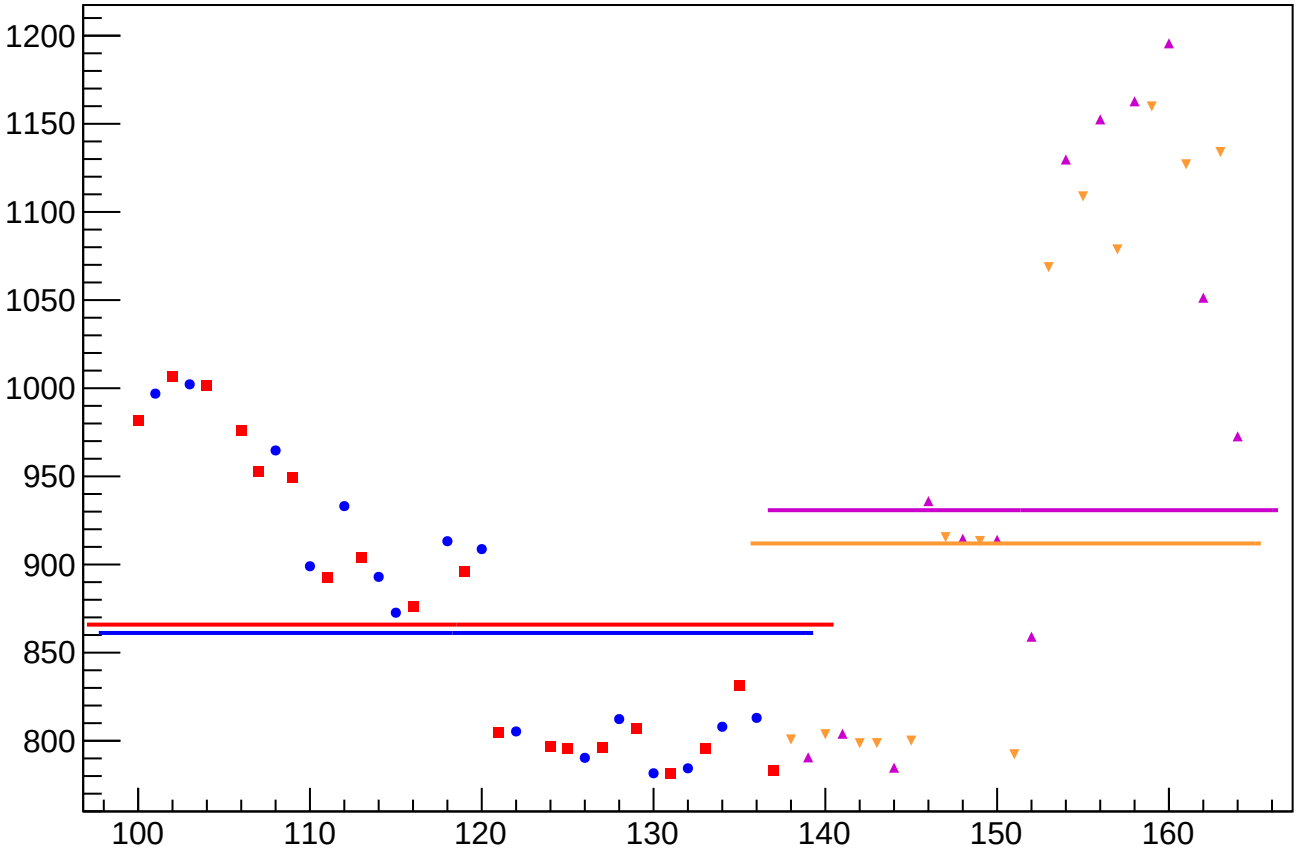
Left In: -2.590+/-0.285 χ^2/NDF:595.4/12

+ sign 8.229+/-0.210 χ^2/NDF: 7919.9/29

All: 8.593+/-0.149 χ^2/NDF: 16661.2/61

- 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: 911.942+/-0.195 χ^2/NDF:507642.5/13

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

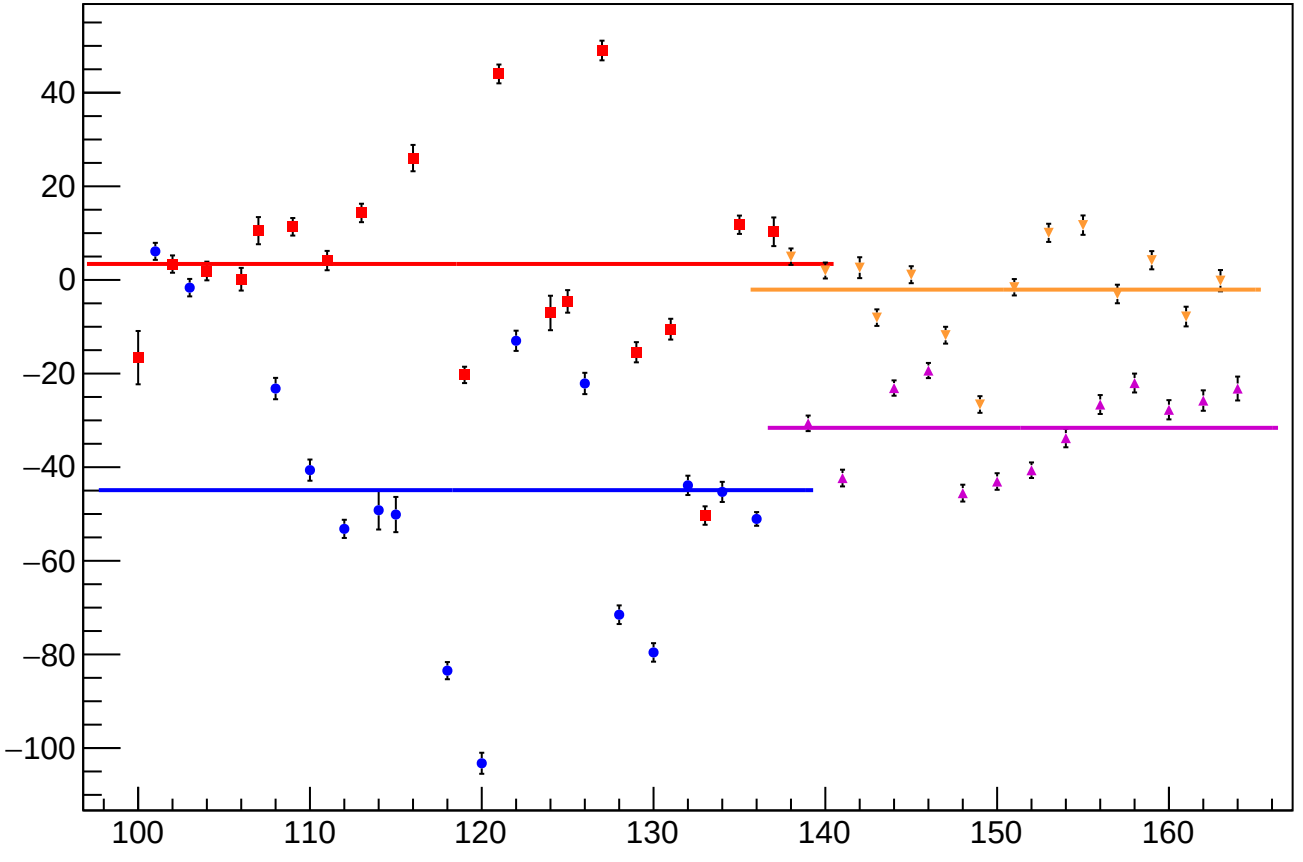
Left In: 930.817+/-0.202 χ^2/NDF:460066.0/12

+ sign 890.334+/-0.148 χ^2/NDF: 649879.8/29

All: 895.990+/-0.105 χ^2/NDF: 1277651.3/61

- 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: -2.068+/-0.507 χ^2/NDF:363.0/13

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

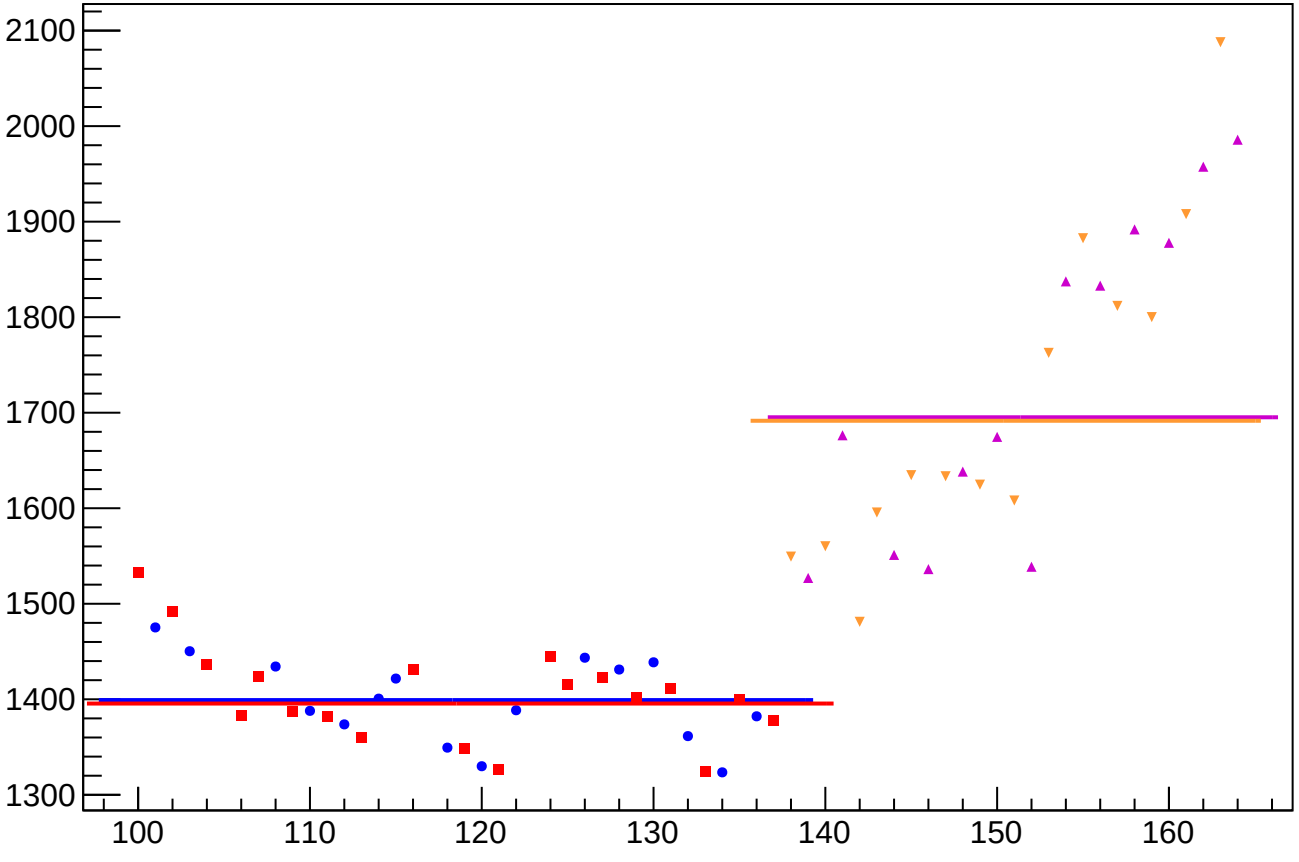
Left In: -31.593+/-0.515 χ^2/NDF:303.5/12

+ sign -22.964+/-0.363 χ^2/NDF: 7217.9/29

All: -18.414+/-0.256 χ^2/NDF: 12273.8/61

- 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: 1691.564+/-0.359 χ^2/NDF:175371.5/13

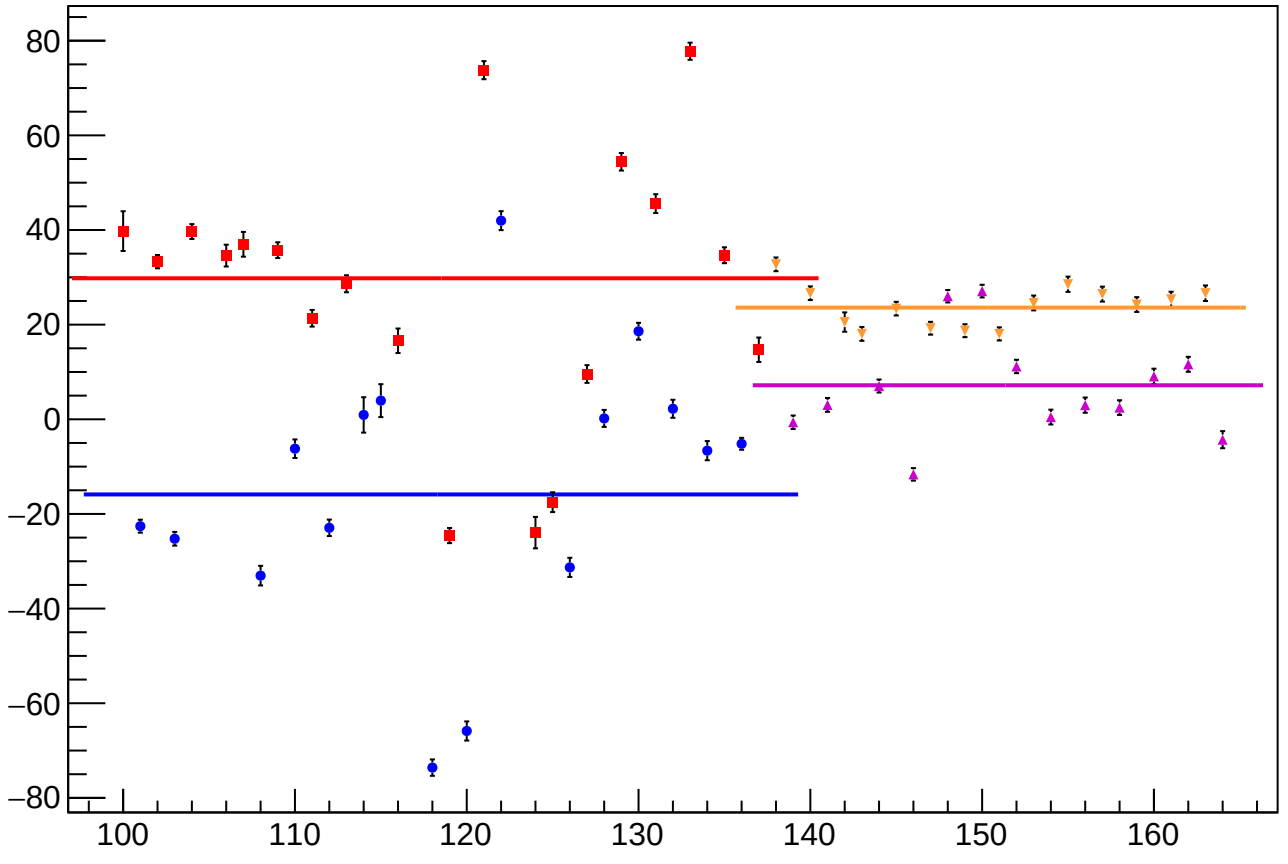
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1695.214+/-0.364 χ^2/NDF:184885.1/12

+ sign 1548.936+/-0.257 χ^2/NDF: 514234.0/29

All: 1546.302+/-0.181 χ^2/NDF: 1058047.5/61

- sign 1543.683+/-0.256 χ^2/NDF: 543603.6/31



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.601+/-0.405 χ^2/NDF:117.5/13

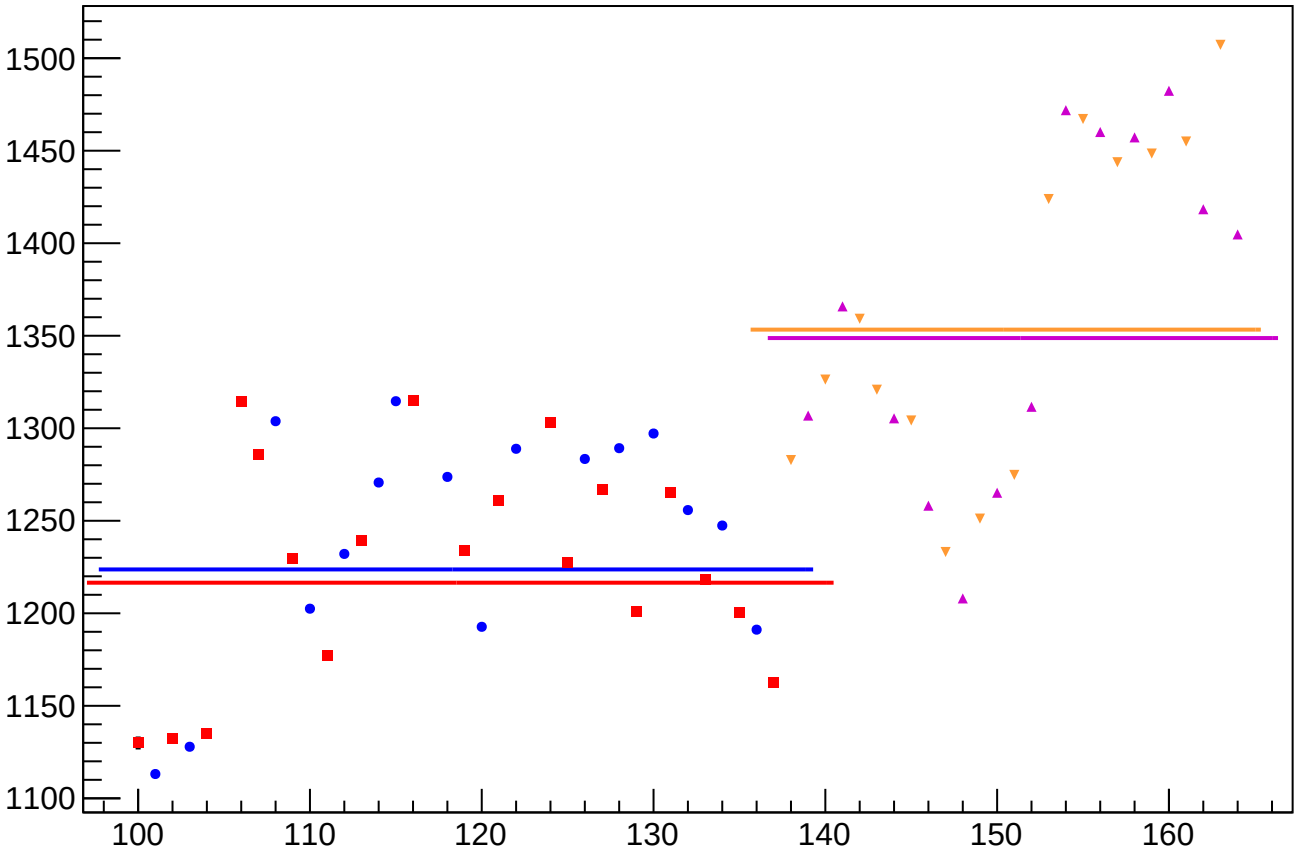
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 7.192+/-0.409 χ^2/NDF:758.5/12

+ sign 6.151+/-0.303 χ^2/NDF: 7791.7/29

All: 11.886+/-0.213 χ^2/NDF: 14347.8/61

- sign 17.548+/-0.301 χ^2/NDF: 5842.6/31



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.307+/-0.286 χ^2/NDF:95528.8/13

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

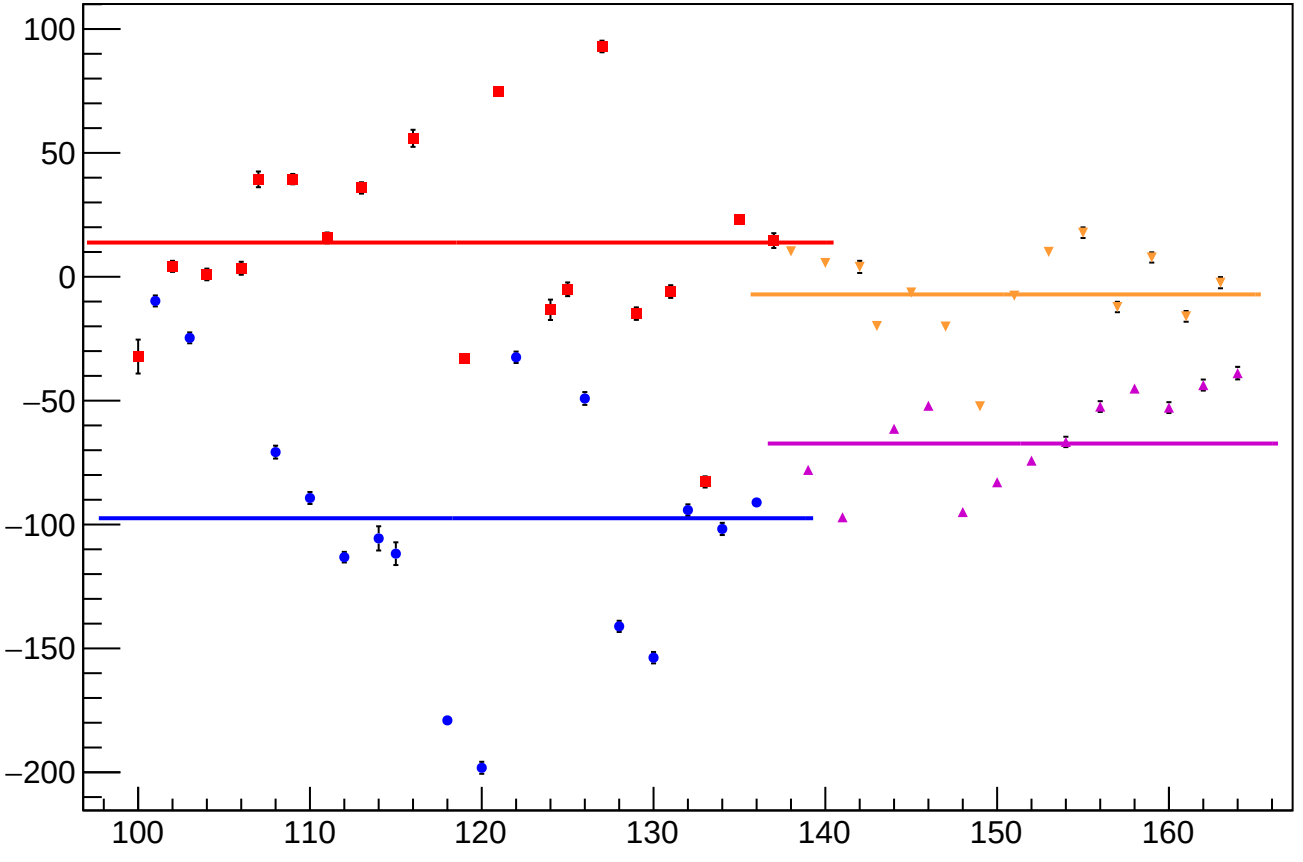
Left In: 1348.748+/-0.289 χ^2/NDF:96367.6/12

+ sign 1296.021+/-0.214 χ^2/NDF: 226865.1/29

All: 1292.078+/-0.151 χ^2/NDF: 449244.0/61

- 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: -7.122+/-0.522 χ^2/NDF:1189.3/13

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

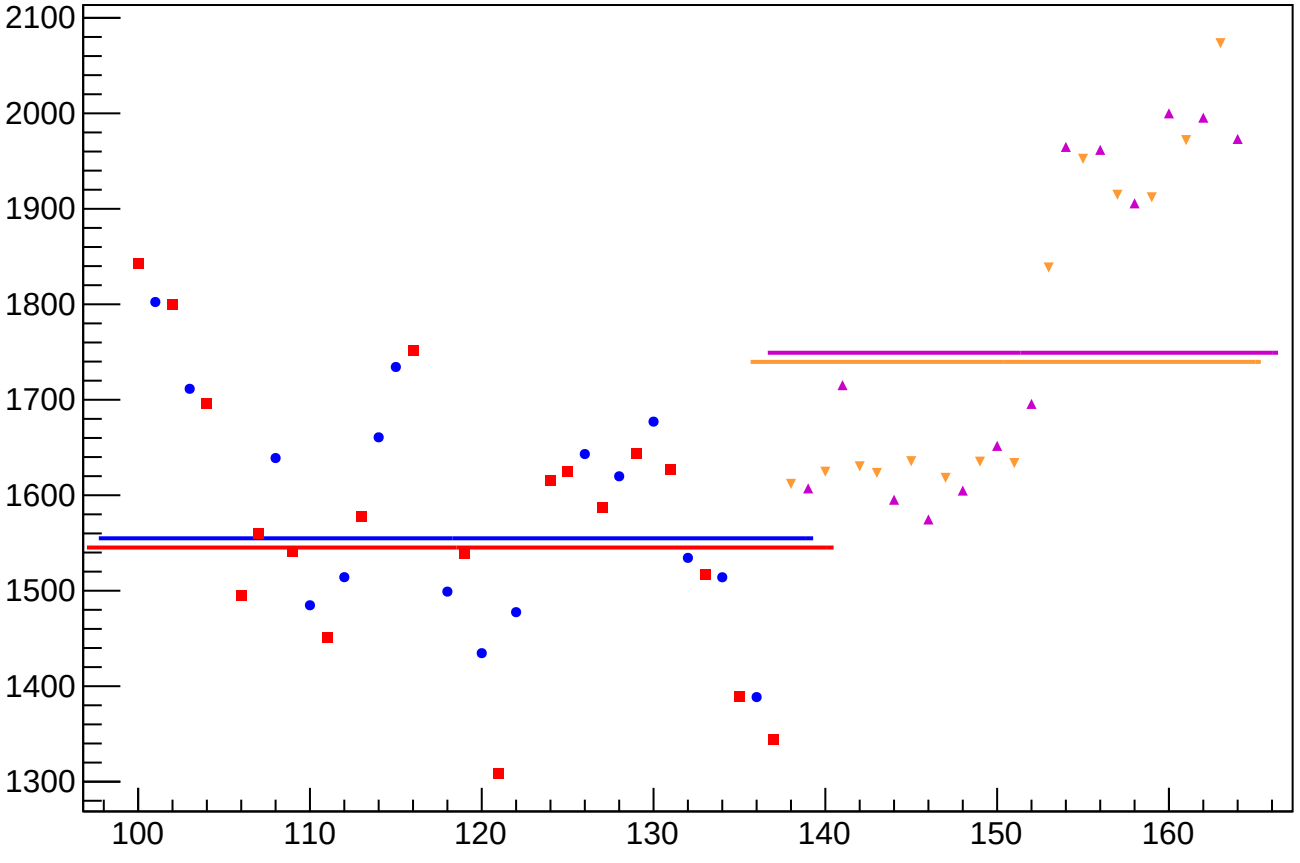
Left In: -67.305+/-0.531 χ^2/NDF:1190.9/12

\+ sign -47.593+/-0.388 χ^2/NDF: 22905.7/29

All: -38.430+/-0.274 χ^2/NDF: 41493.6/61

\- 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: 1739.702+/-0.369 χ^2/NDF:179113.9/13

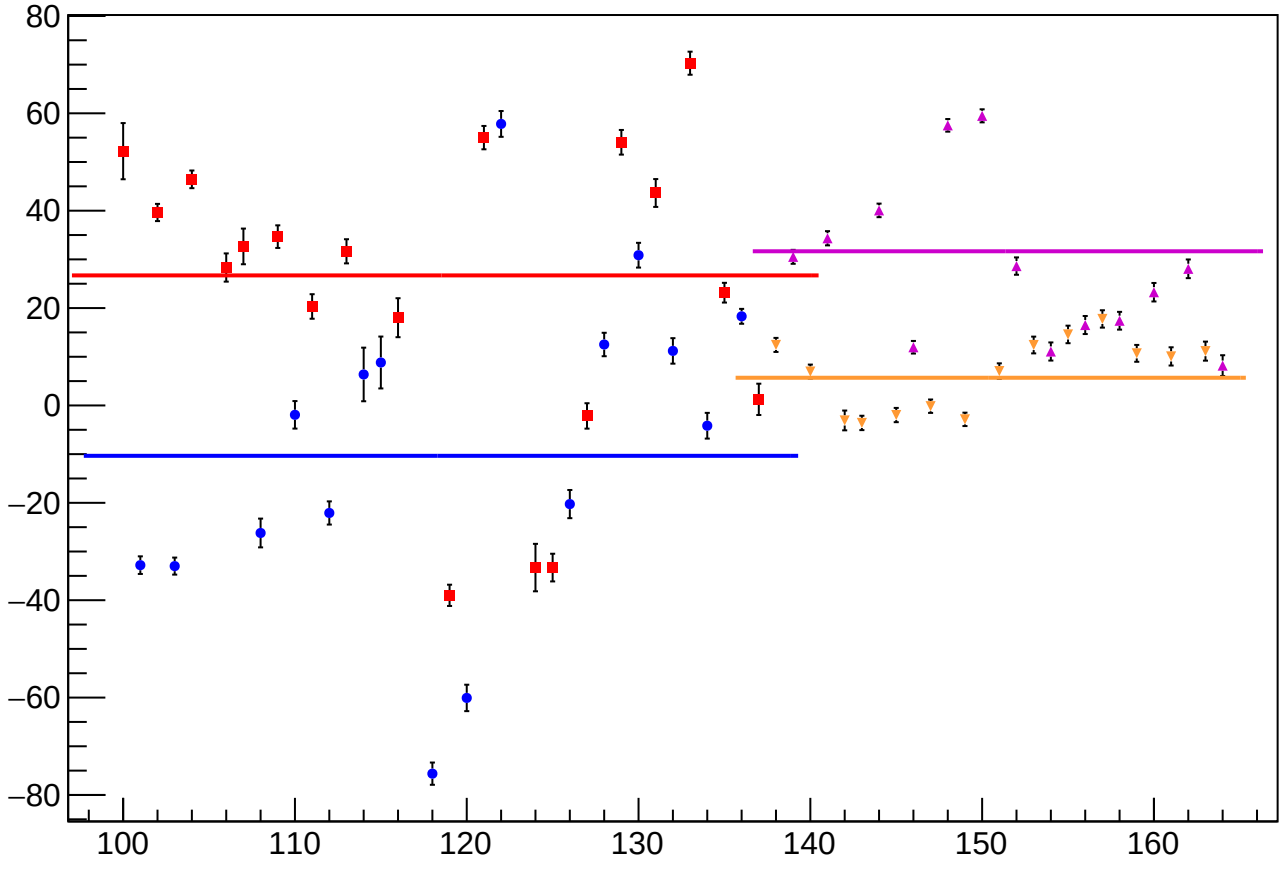
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1749.253+/-0.376 χ^2/NDF:192938.4/12

+ sign 1656.910+/-0.274 χ^2/NDF: 379321.8/29

All: 1655.285+/-0.194 χ^2/NDF: 819381.6/61

- 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: 5.688+/-0.429 χ^2/NDF:272.7/13

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

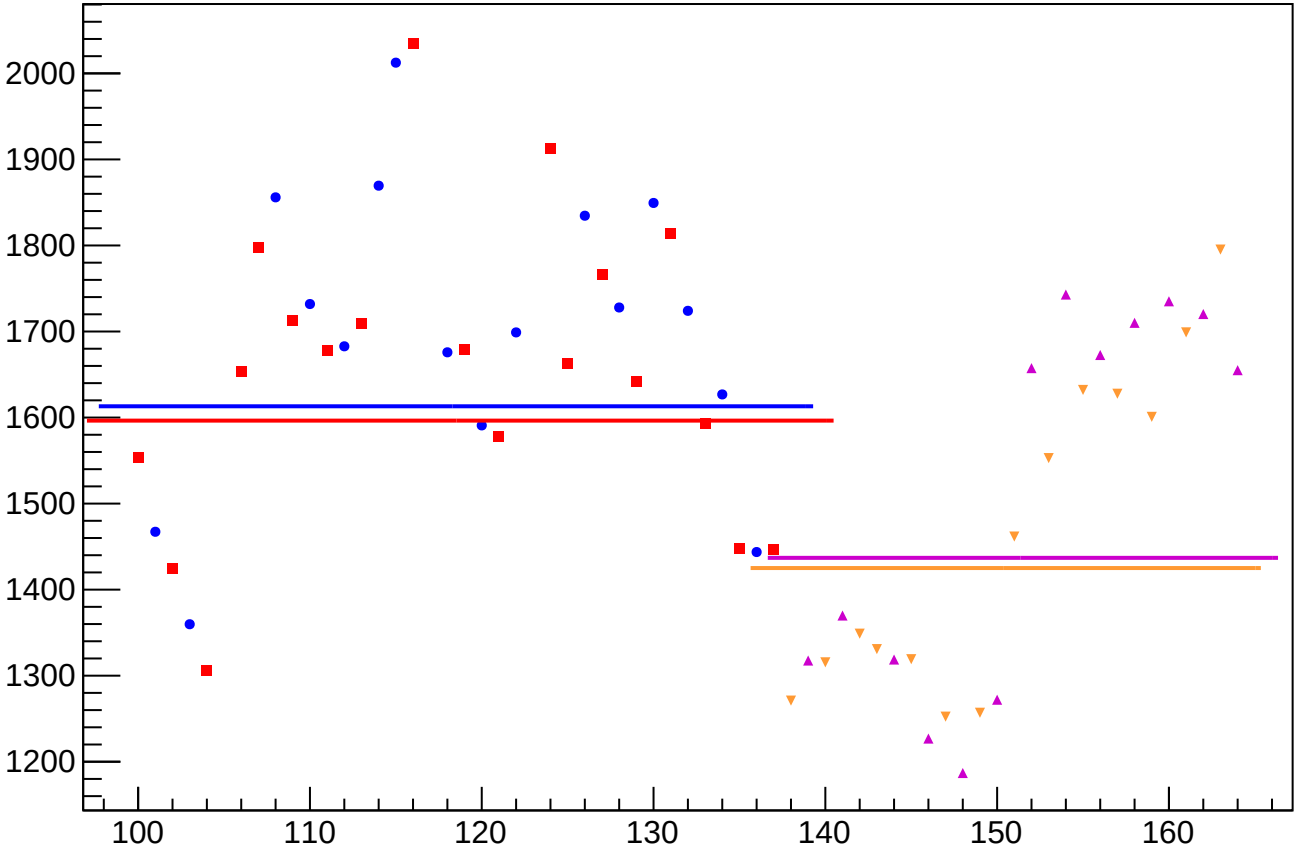
Left In: 31.664+/-0.439 χ^2/NDF:1497.0/12

+ sign 0.296+/-0.350 χ^2/NDF: 3748.7/29

All: 15.013+/-0.248 χ^2/NDF: 11391.3/61

- 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: 1425.093+/-0.304 χ^2/NDF:316604.3/13

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

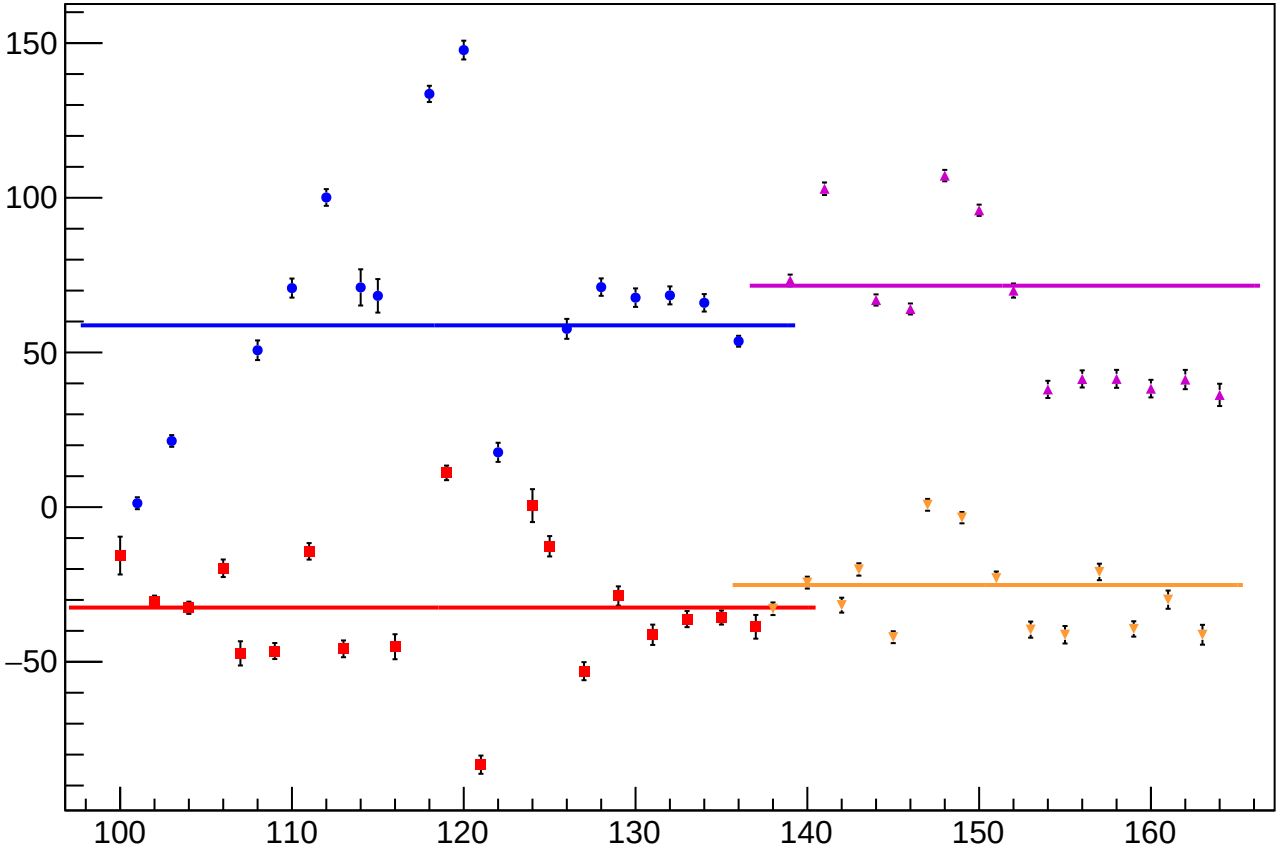
Left In: 1436.948+/-0.311 χ^2/NDF:465424.6/12

+ sign 1488.317+/-0.247 χ^2/NDF: 600286.4/29

All: 1491.288+/-0.175 χ^2/NDF: 1321491.1/61

- 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: -25.175+/-0.600 χ^2/NDF:556.8/13

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

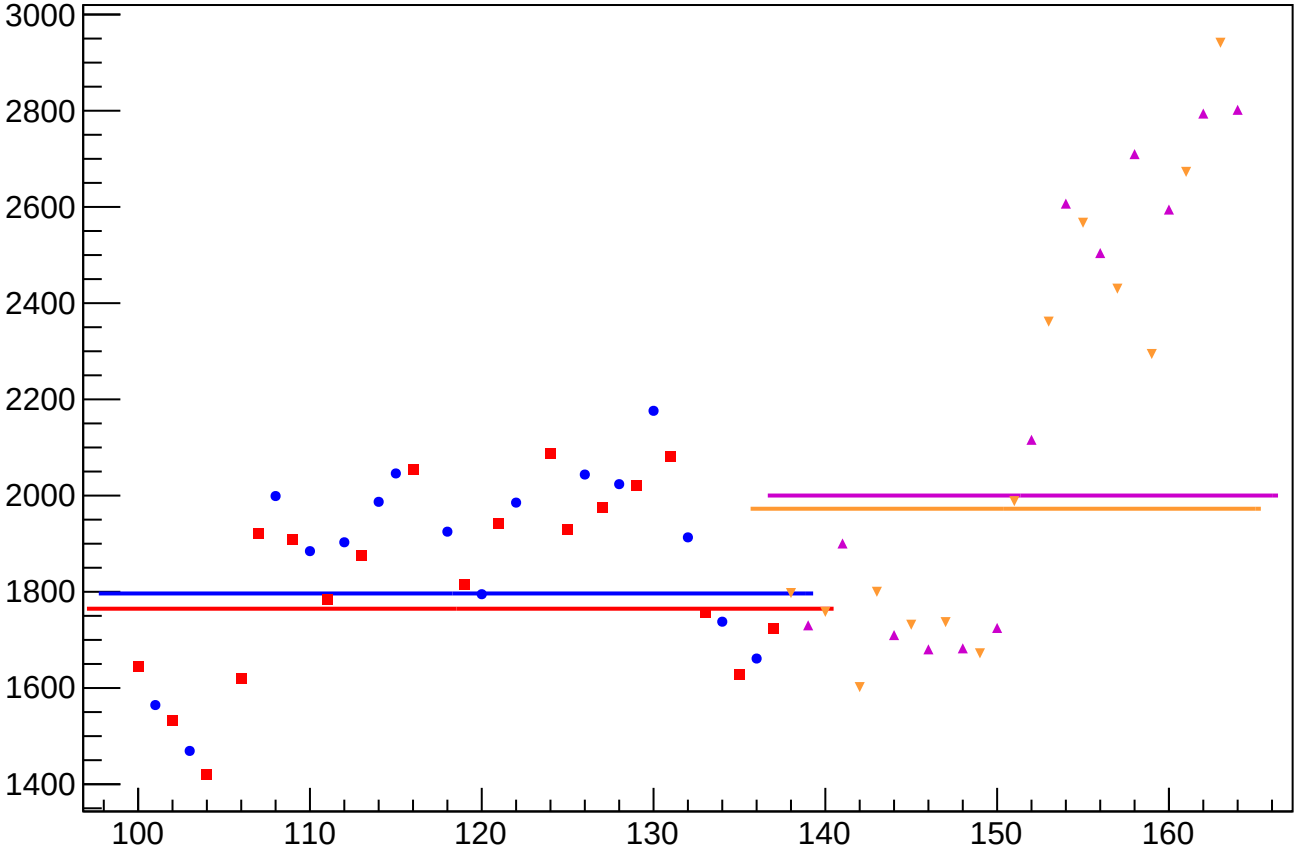
Left In: 71.584+/-0.618 χ^2/NDF:1515.8/12

+ sign 12.035+/-0.448 χ^2/NDF: 12673.4/29

All: 17.056+/-0.316 χ^2/NDF: 28866.5/61

- 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: 1972.664+/-0.424 χ^2/NDF:738521.7/13

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

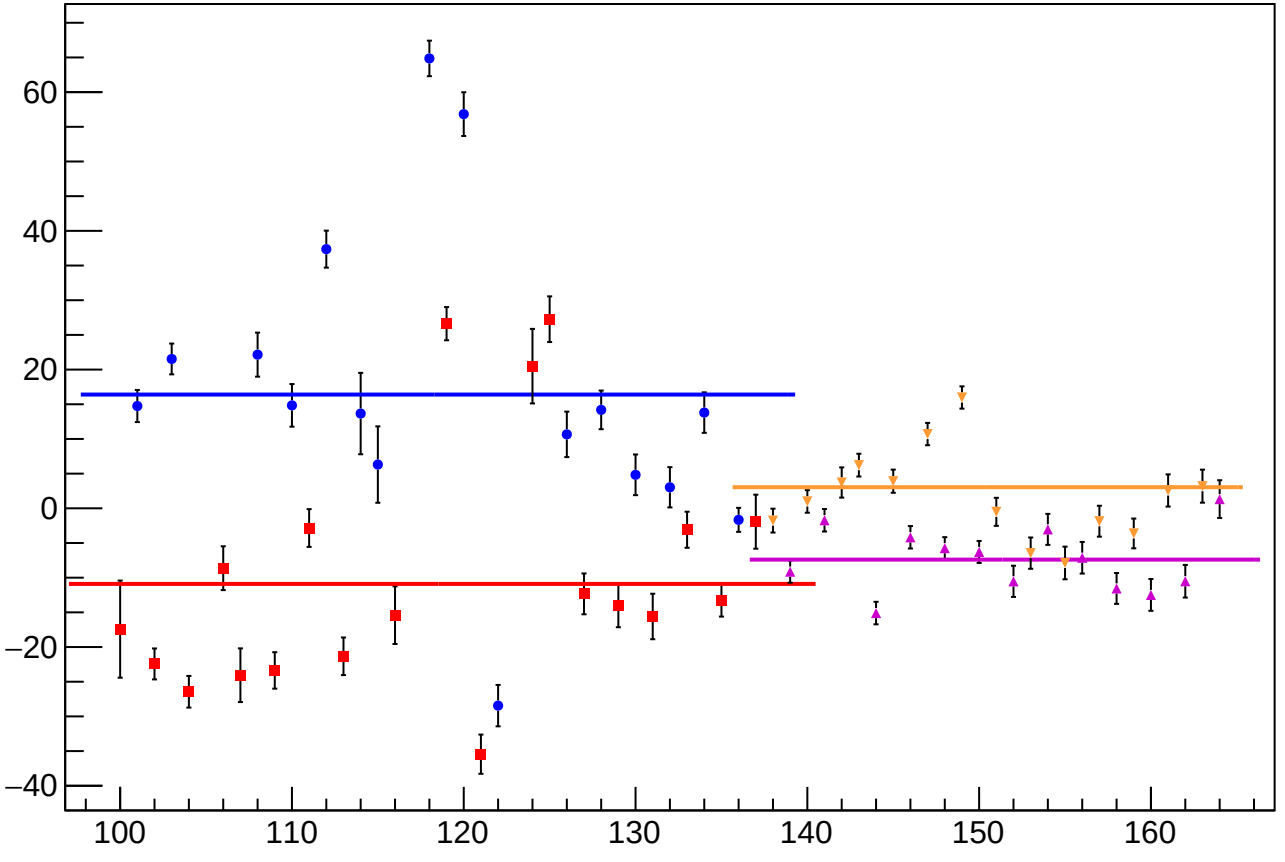
Left In: 2000.115+/-0.437 χ^2/NDF:870116.1/12

+ sign 1894.592+/-0.317 χ^2/NDF: 1008056.7/29

All: 1891.374+/-0.224 χ^2/NDF: 2206340.6/61

- 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: 3.045+/-0.511 χ^2/NDF:158.0/13

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

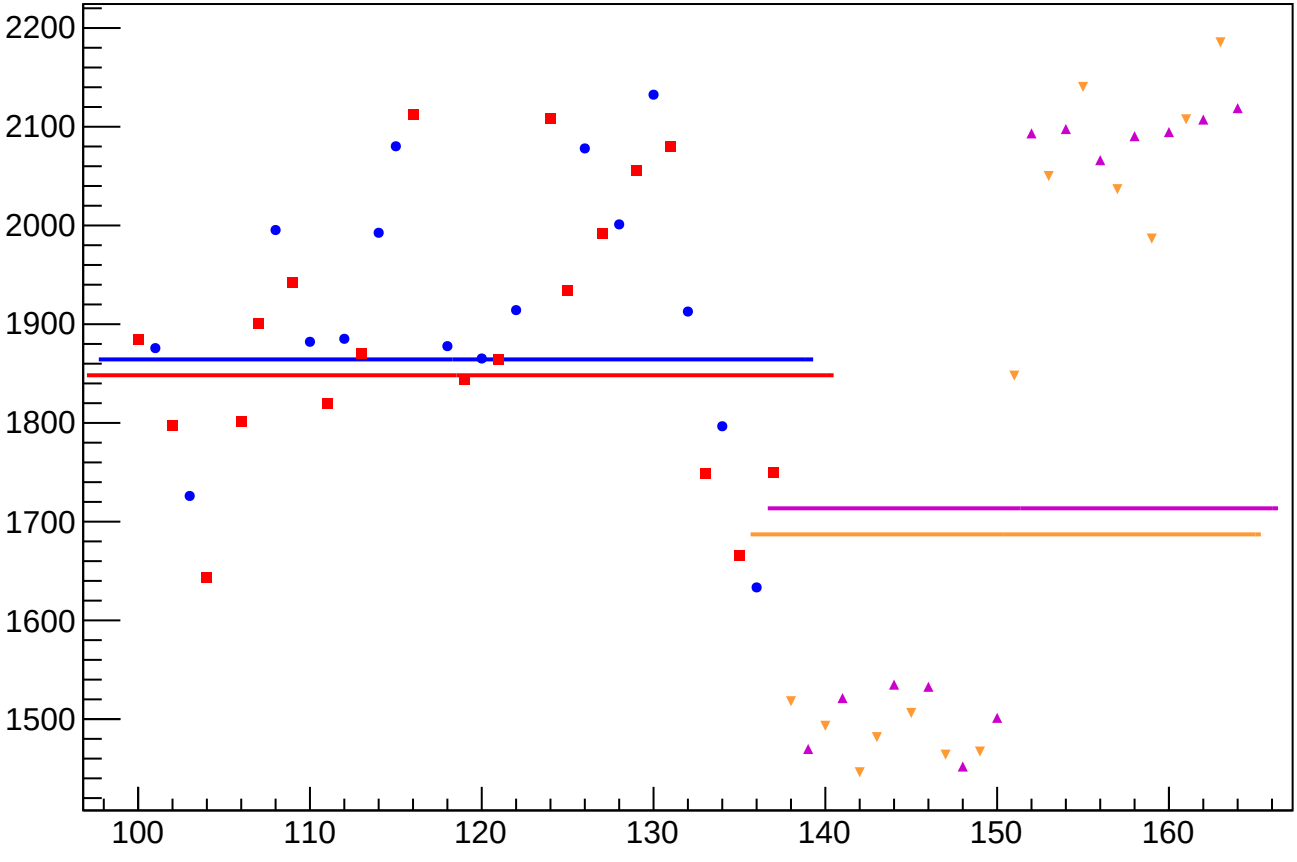
Left In: -7.397+/-0.525 χ^2/NDF:67.8/12

+ sign 7.730+/-0.412 χ^2/NDF: 1370.7/29

All: -0.432+/-0.292 χ^2/NDF: 2889.1/61

- 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: 1687.124+/-0.361 χ^2/NDF:582828.6/13

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

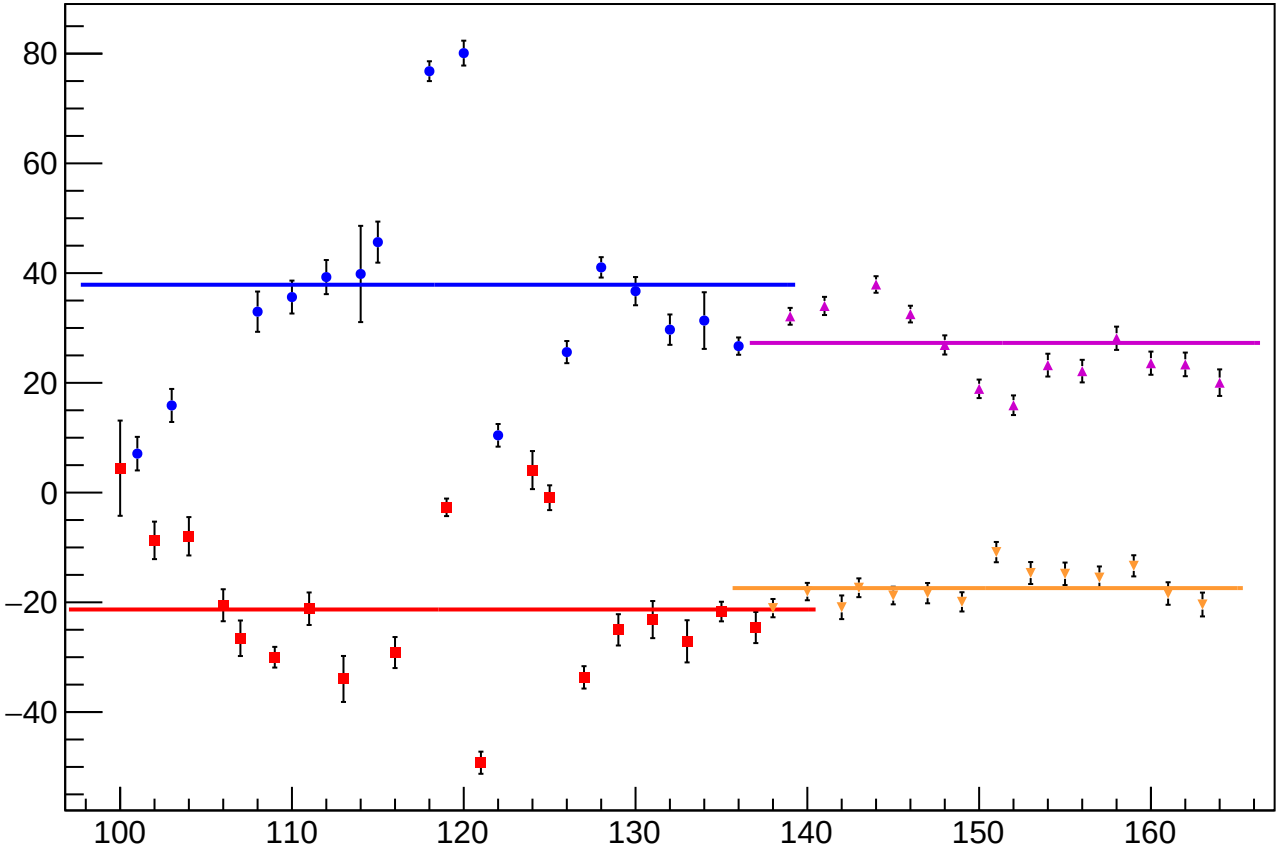
Left In: 1713.506+/-0.371 χ^2/NDF:591294.3/12

+ sign 1749.296+/-0.291 χ^2/NDF: 750557.6/29

All: 1756.680+/-0.207 χ^2/NDF: 1467683.0/61

- 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: -17.408+/-0.496 χ^2/NDF:34.1/13

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

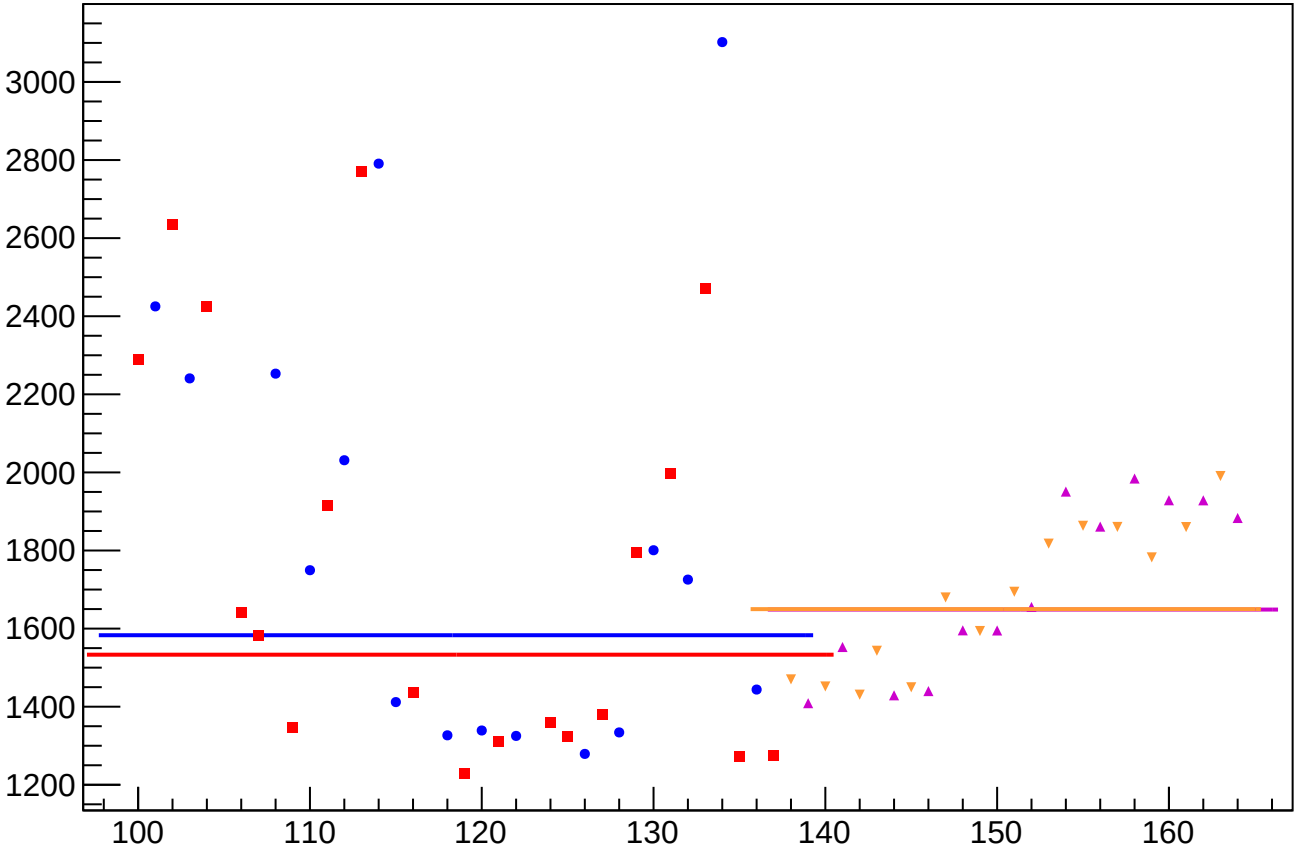
Left In: 27.277+/-0.503 χ^2/NDF:178.8/12

\+ sign 4.090+/-0.388 χ^2/NDF: 6107.2/29

All: 5.535+/-0.273 χ^2/NDF: 10800.1/61

\- 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: 1649.857+/-0.351 χ^2/NDF:254442.7/13

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

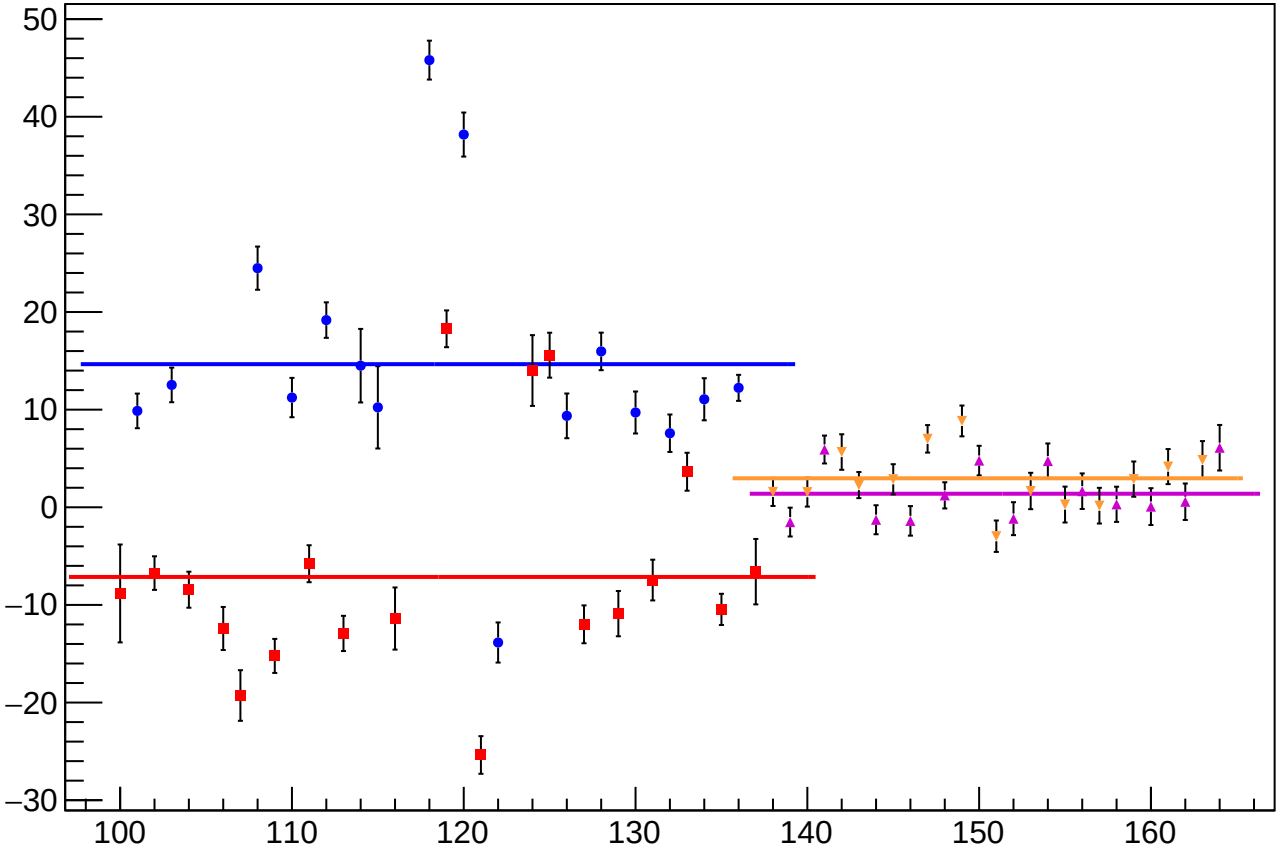
Left In: 1648.761+/-0.356 χ^2/NDF:340870.7/12

+ sign 1623.880+/-0.274 χ^2/NDF: 1056200.0/29

All: 1612.001+/-0.193 χ^2/NDF: 2395738.1/61

- 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: 2.969+/-0.435 χ^2/NDF:46.4/13

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

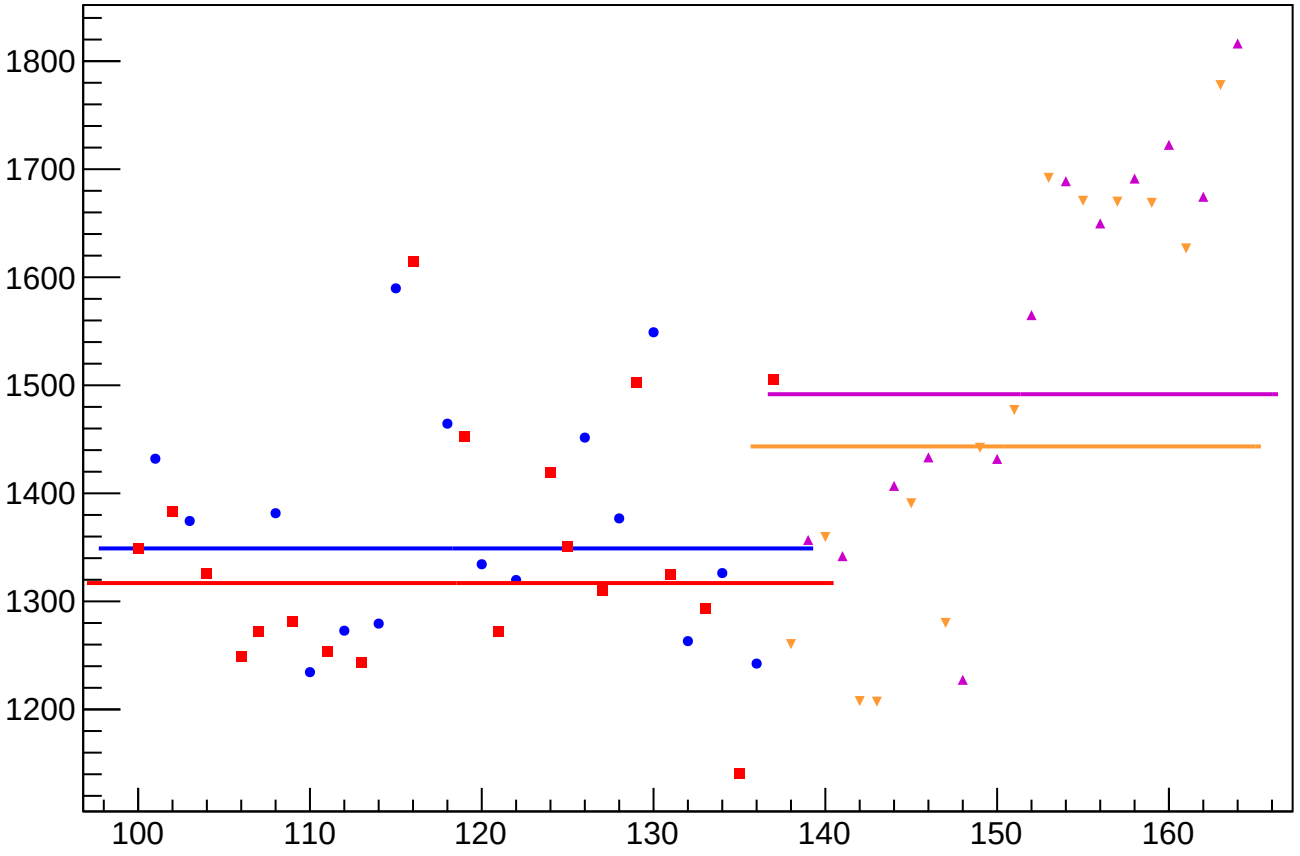
Left In: 1.388+/-0.454 χ^2/NDF:36.4/12

+ sign 7.958+/-0.330 χ^2/NDF: 968.8/29

All: 2.695+/-0.234 χ^2/NDF: 2191.8/61

- sign -2.609+/-0.331 χ^2/NDF: 711.1/31

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1443.413+/-0.308 χ^2/NDF:373238.1/13

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

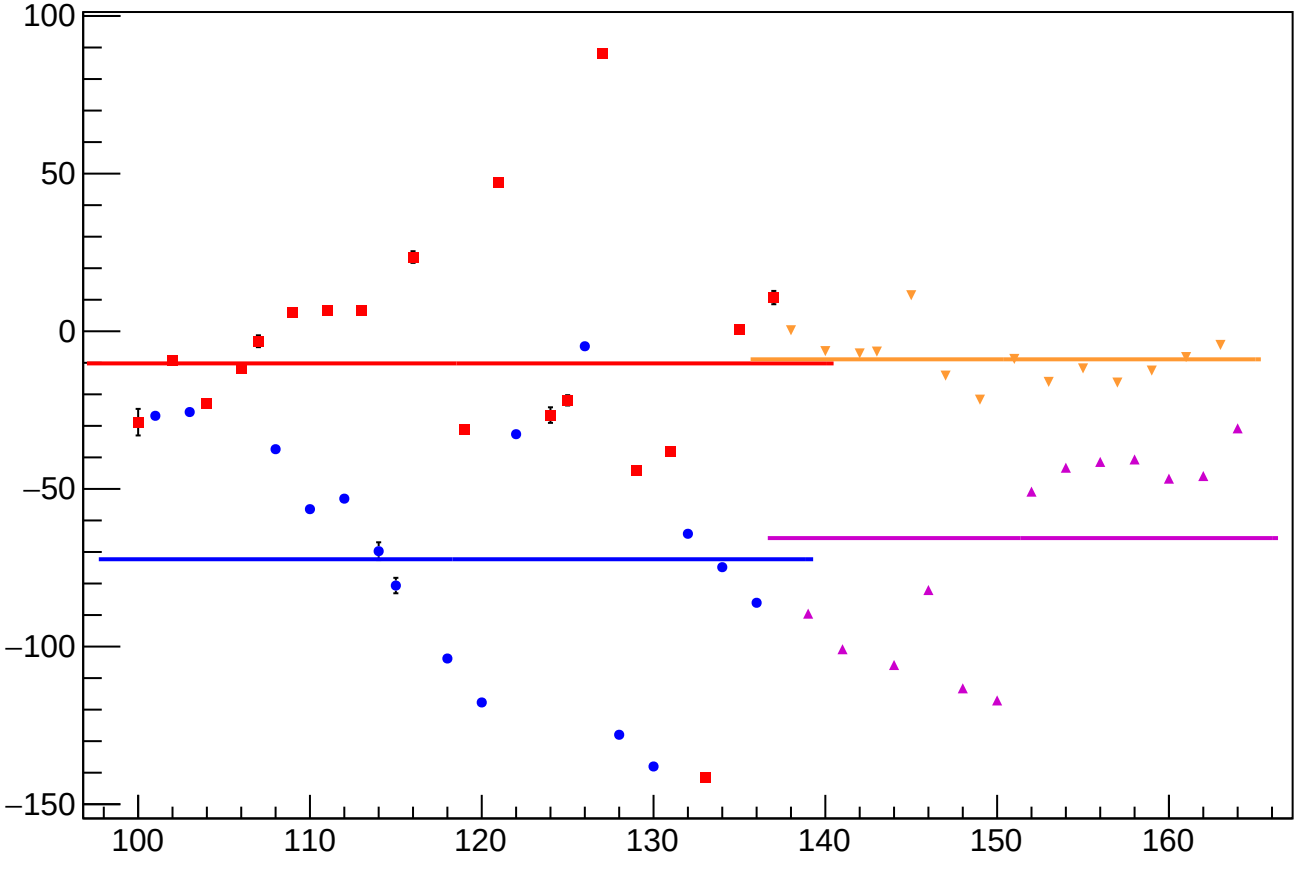
Left In: 1491.744+/-0.321 χ^2/NDF:284203.5/12

+ sign 1403.116+/-0.233 χ^2/NDF: 481769.9/29

All: 1406.436+/-0.165 χ^2/NDF: 992239.4/61

- 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: -8.896+/-0.259 χ^2/NDF:809.7/13

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

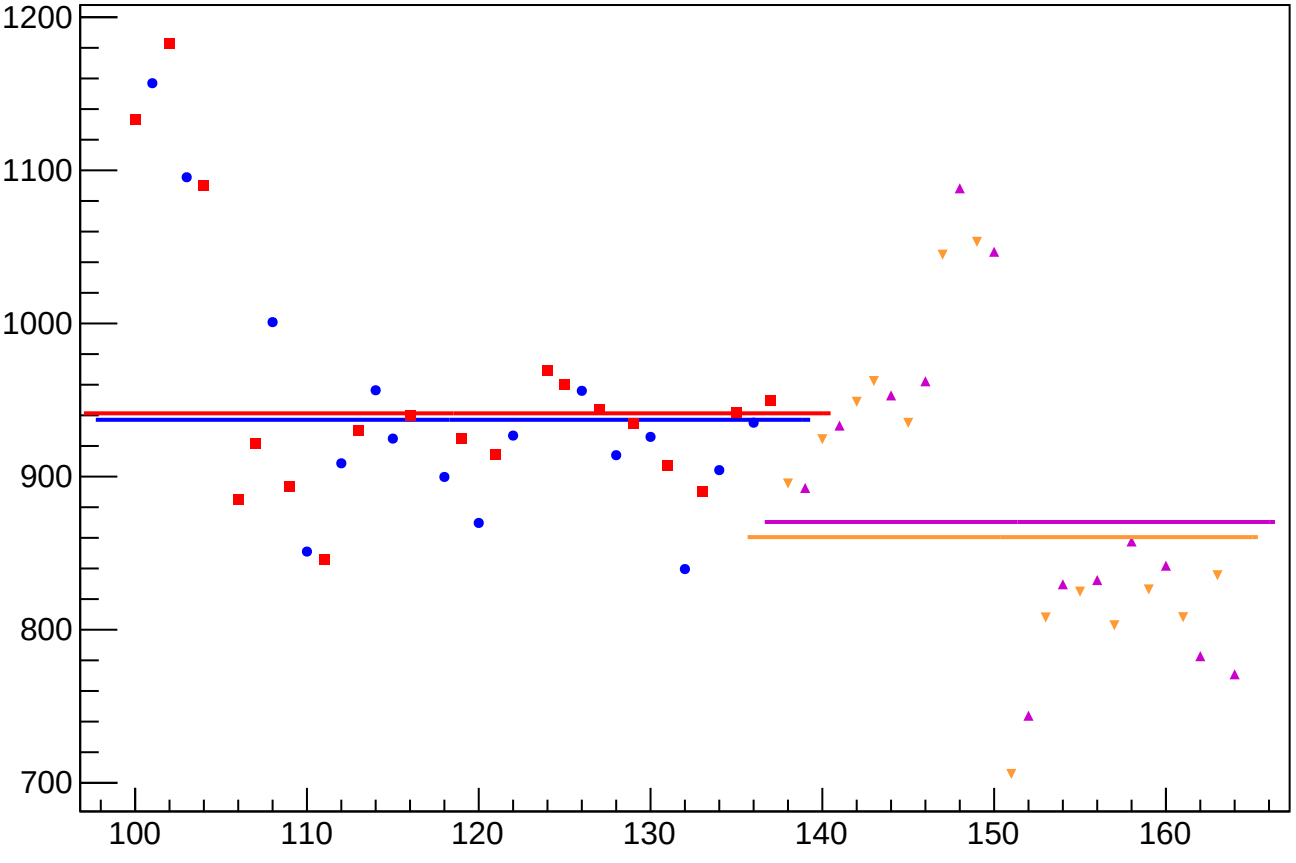
Left In: -65.594+/-0.265 χ^2/NDF:12084.4/12

+ sign -31.350+/-0.208 χ^2/NDF: 34228.5/29

All: -38.128+/-0.148 χ^2/NDF: 83767.0/61

- 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: 860.481+/-0.183 χ^2/NDF:265246.0/13

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

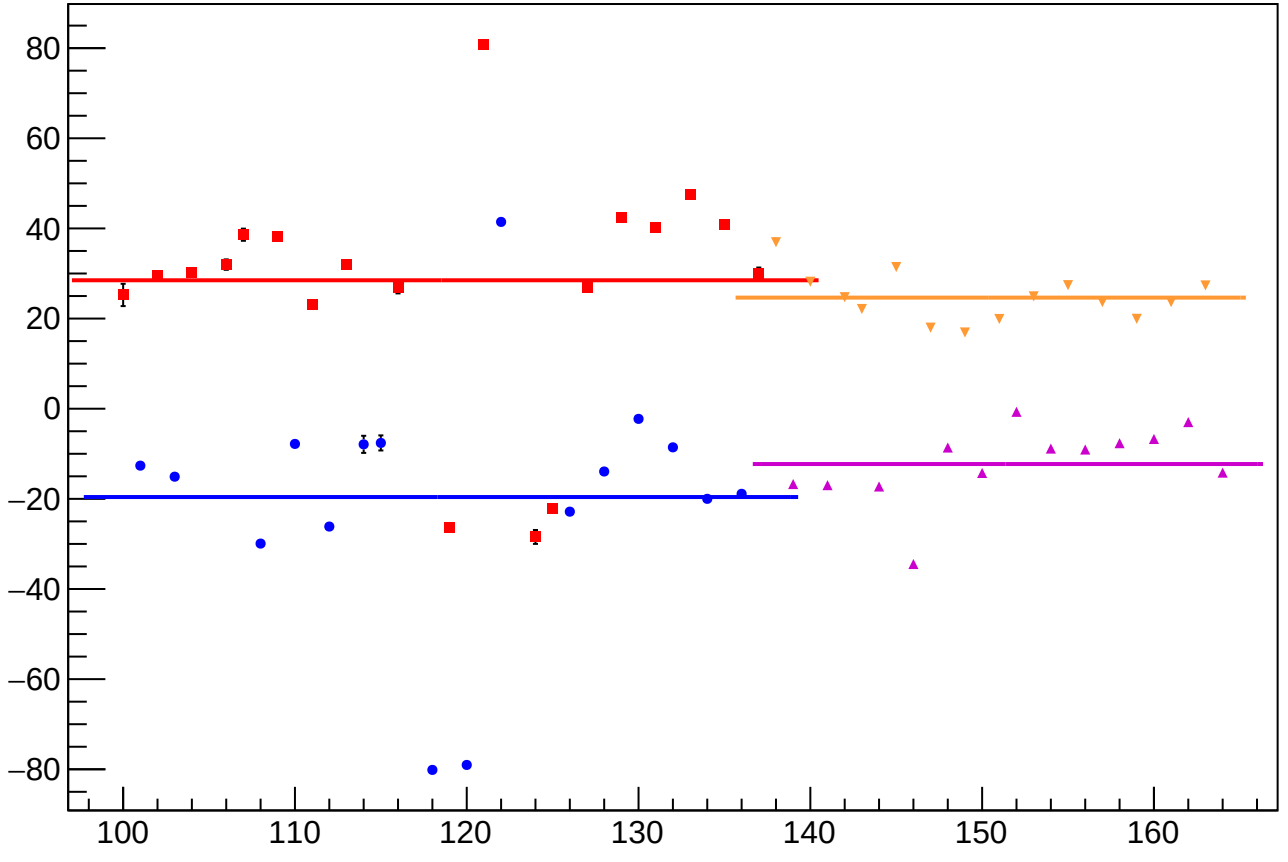
Left In: 870.363+/-0.187 χ^2/NDF:257295.8/12

+ sign 887.612+/-0.147 χ^2/NDF: 432000.0/29

All: 892.112+/-0.104 χ^2/NDF: 845571.1/61

- 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: 24.648+/-0.200 χ^2/NDF:724.5/13

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

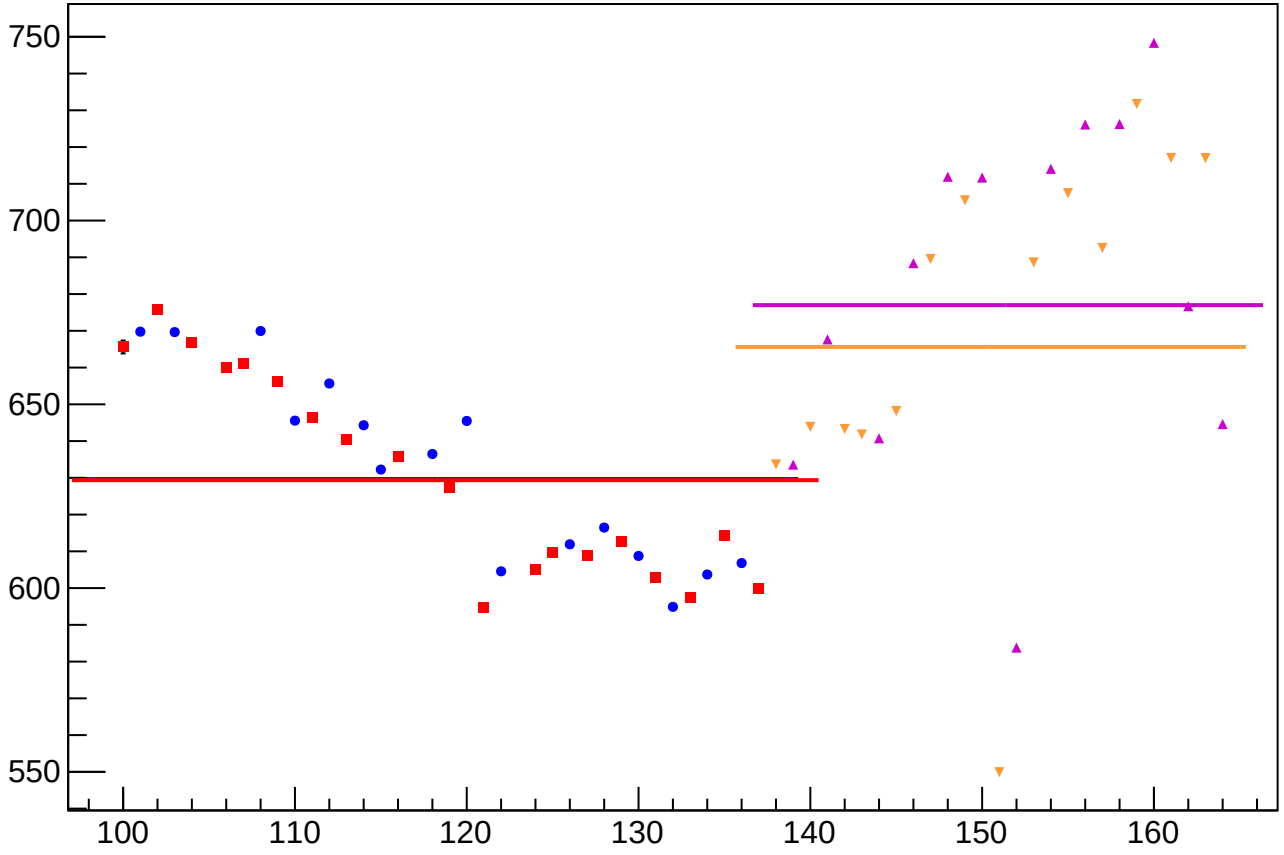
Left In: -12.274+/-0.205 χ^2/NDF:1714.3/12

+ sign 6.008+/-0.152 χ^2/NDF: 34574.7/29

All: 5.922+/-0.108 χ^2/NDF: 66776.1/61

- 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: 665.621+/-0.141 χ^2/NDF:133613.5/13

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

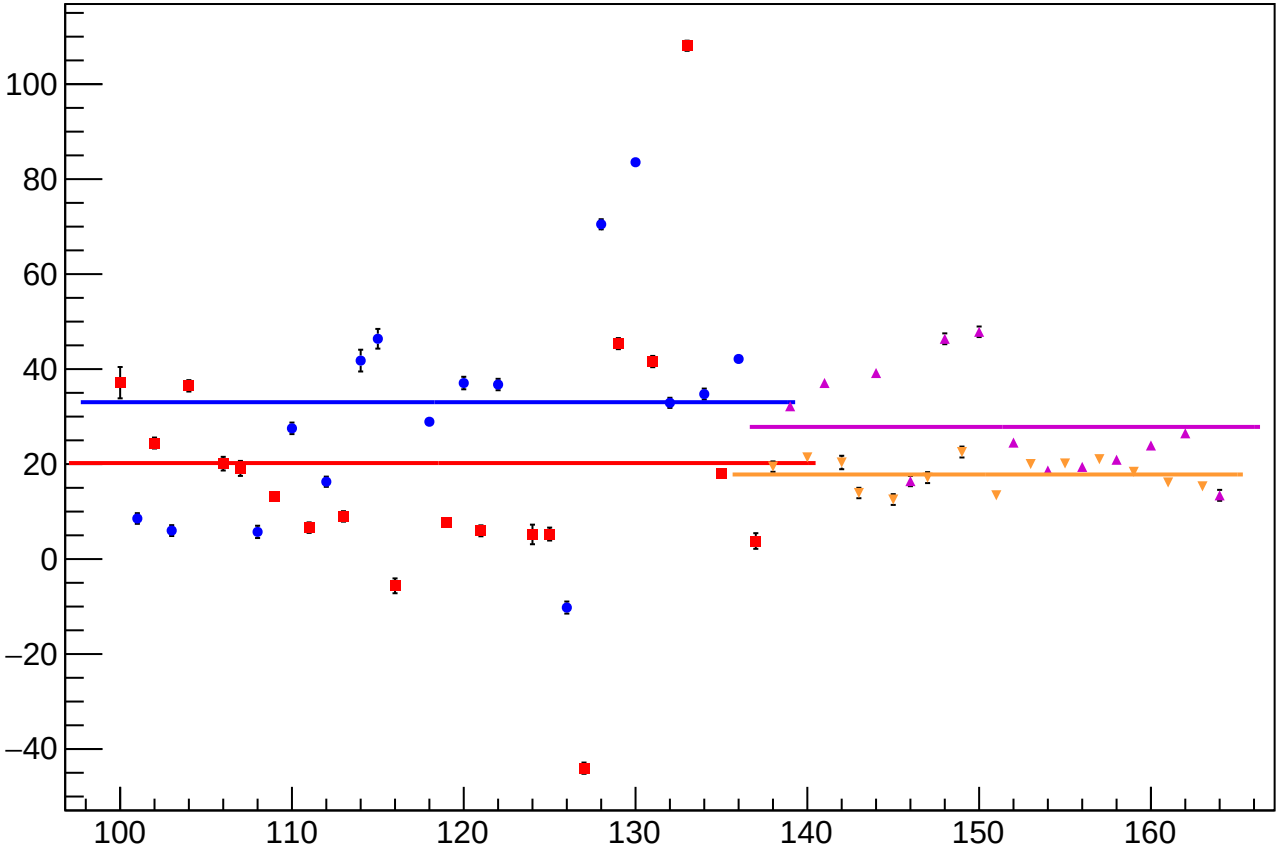
Left In: 676.992+/-0.145 χ^2/NDF:104502.9/12

+ sign 650.471+/-0.107 χ^2/NDF: 186251.7/29

All: 653.134+/-0.076 χ^2/NDF: 366598.2/61

- 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: 17.811+/-0.284 χ^2/NDF:122.7/13

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

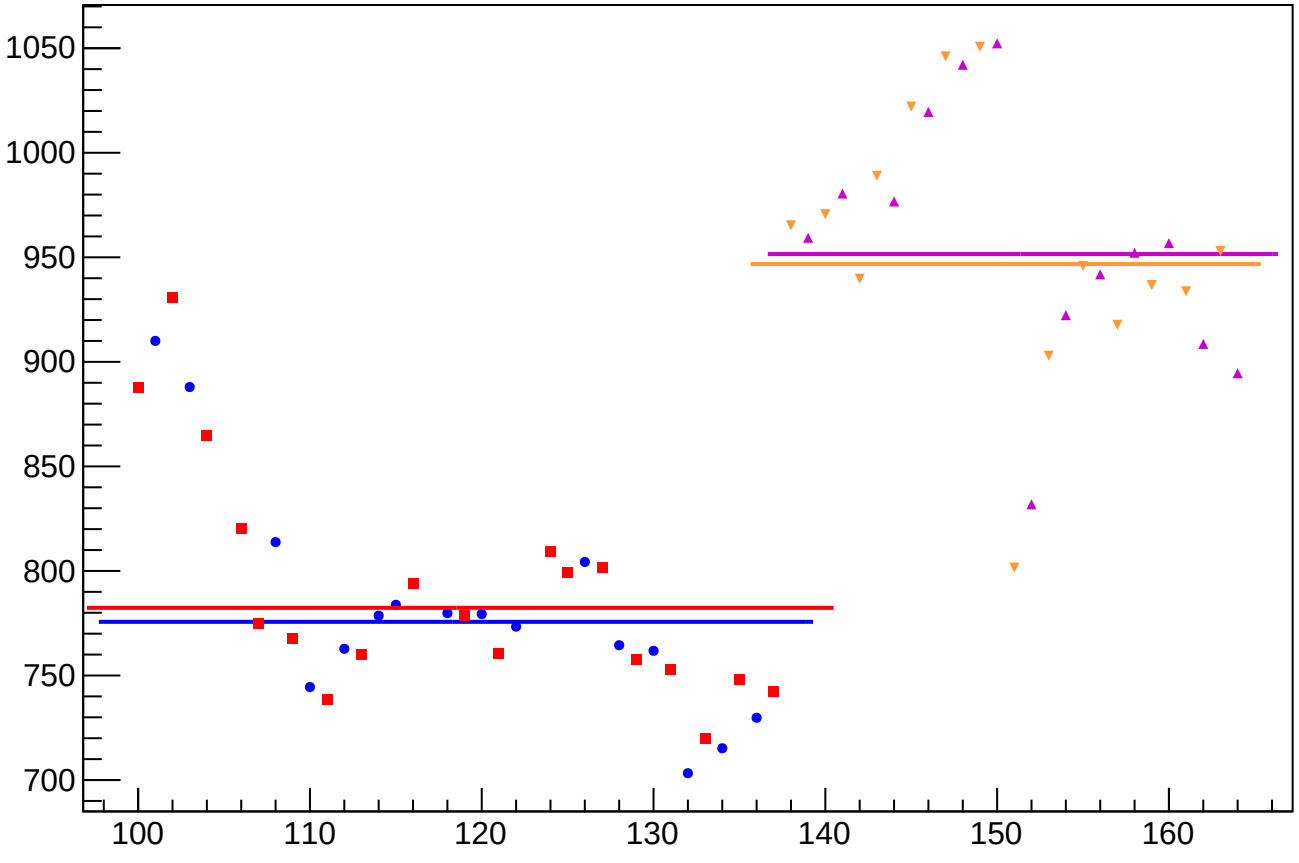
Left In: 27.828+/-0.288 χ^2/NDF:1305.2/12

\+ sign 25.281+/-0.202 χ^2/NDF: 8236.6/29

All: 24.638+/-0.143 χ^2/NDF: 21783.3/61

\- 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: 946.770+/-0.201 χ^2/NDF:106175.3/13

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

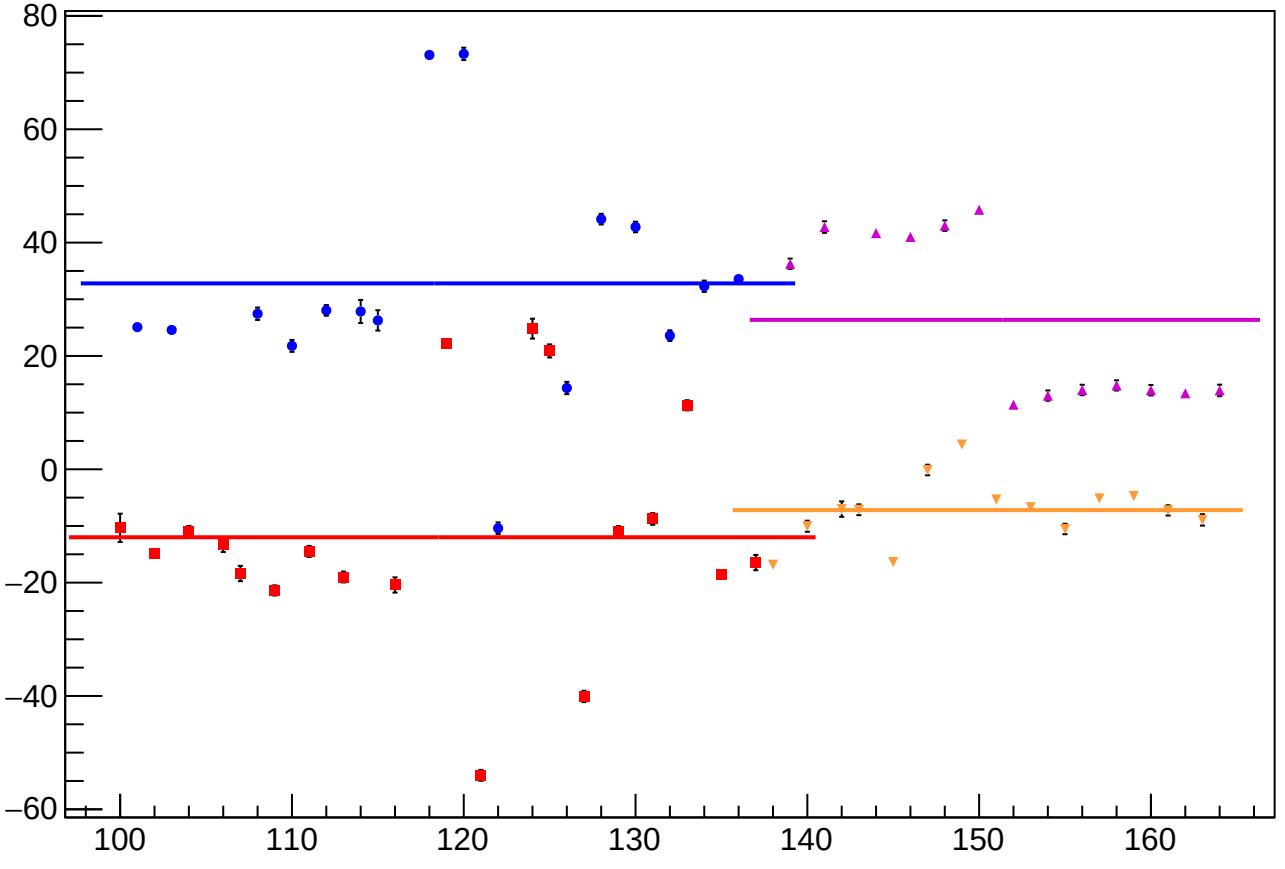
Left In: 951.578+/-0.204 χ^2/NDF:86068.3/12

+ sign 862.806+/-0.143 χ^2/NDF: 538113.3/29

All: 864.551+/-0.101 χ^2/NDF: 1036493.8/61

- 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: -7.207+/-0.242 χ^2/NDF:502.8/13

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

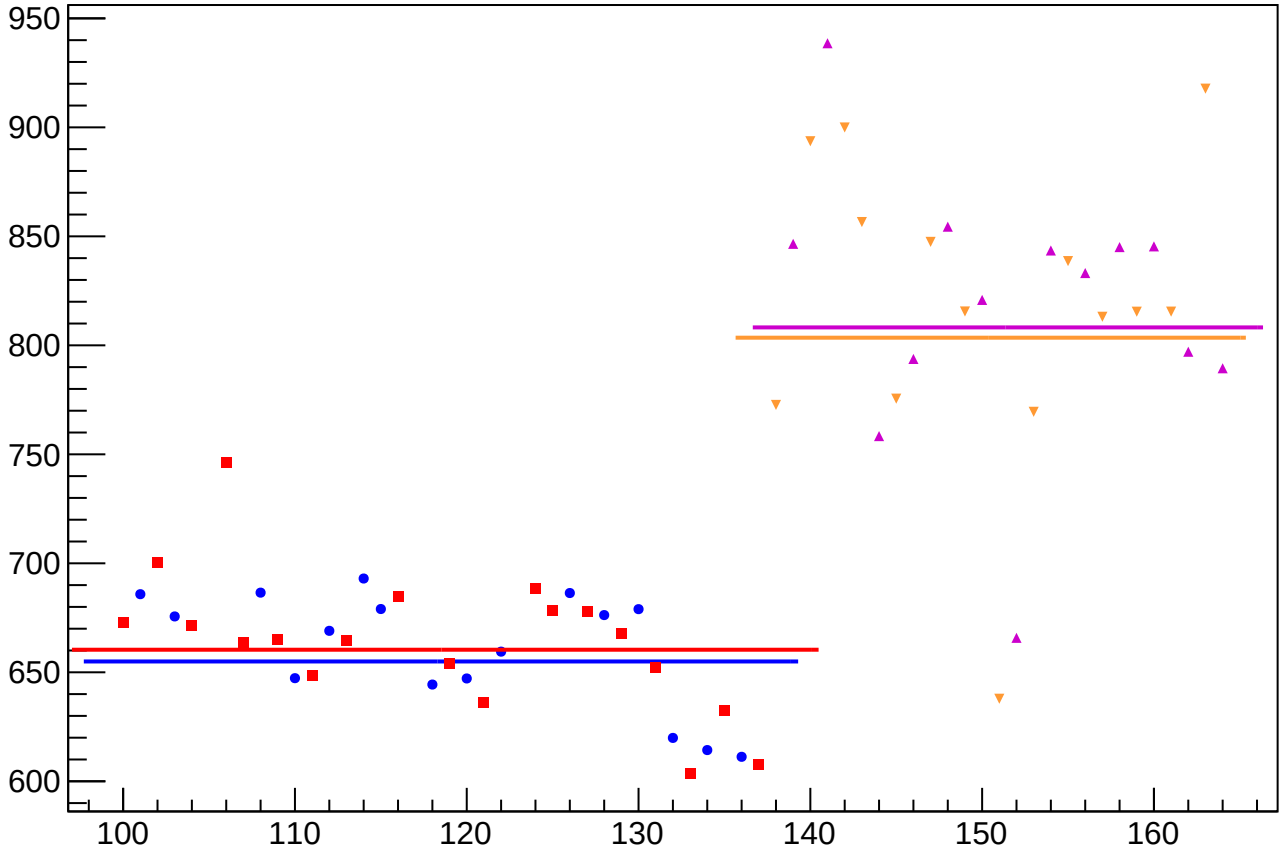
Left In: 26.367+/-0.246 χ^2/NDF:3393.2/12

+ sign 12.646+/-0.172 χ^2/NDF: 20362.4/29

All: 9.736+/-0.122 χ^2/NDF: 43295.6/61

- 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: 803.506+/-0.171 χ^2/NDF:189644.1/13

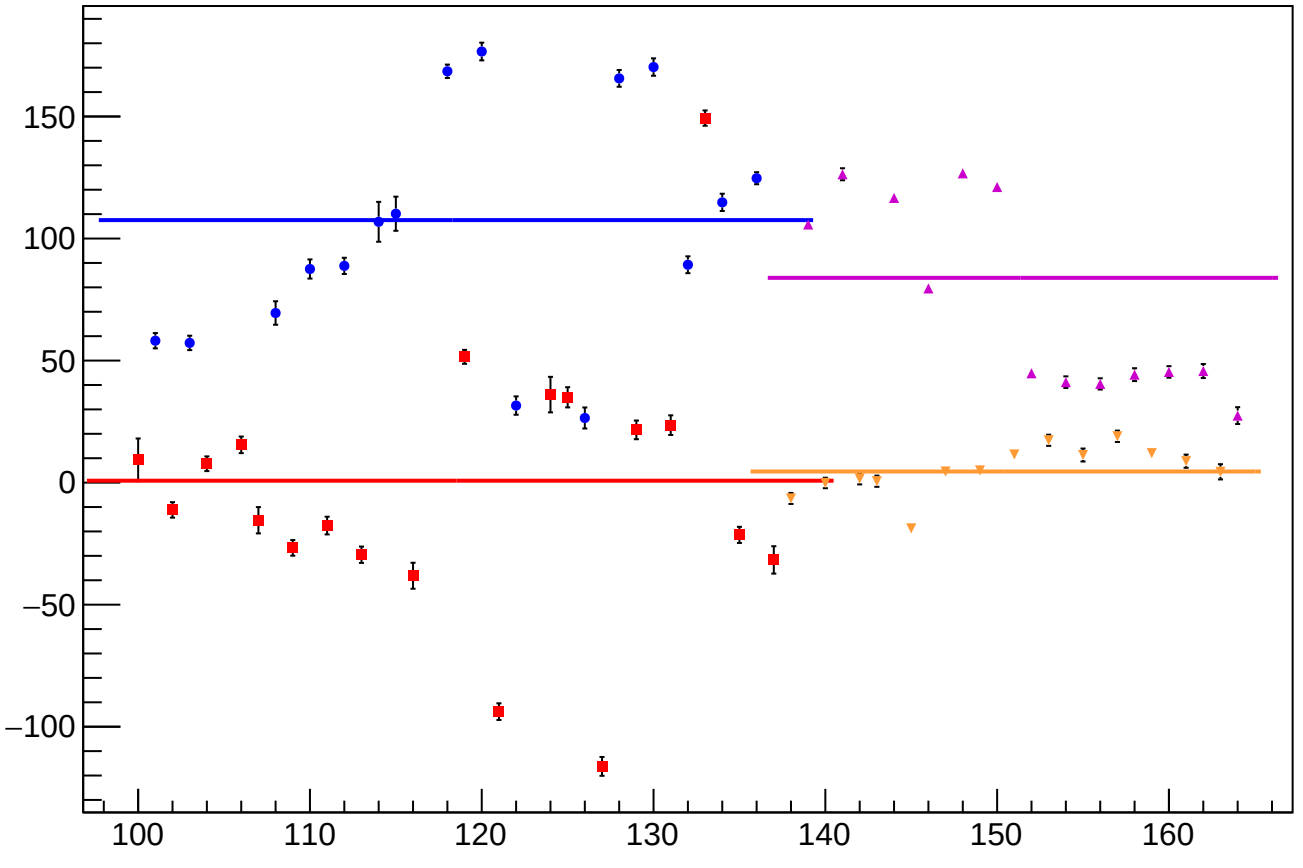
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 808.221+/-0.174 χ^2/NDF:139586.1/12

+ sign 729.804+/-0.121 χ^2/NDF: 591273.8/29

All: 731.302+/-0.086 χ^2/NDF: 1130131.5/61

- 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: 4.559+/-0.579 χ^2/NDF:279.2/13

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

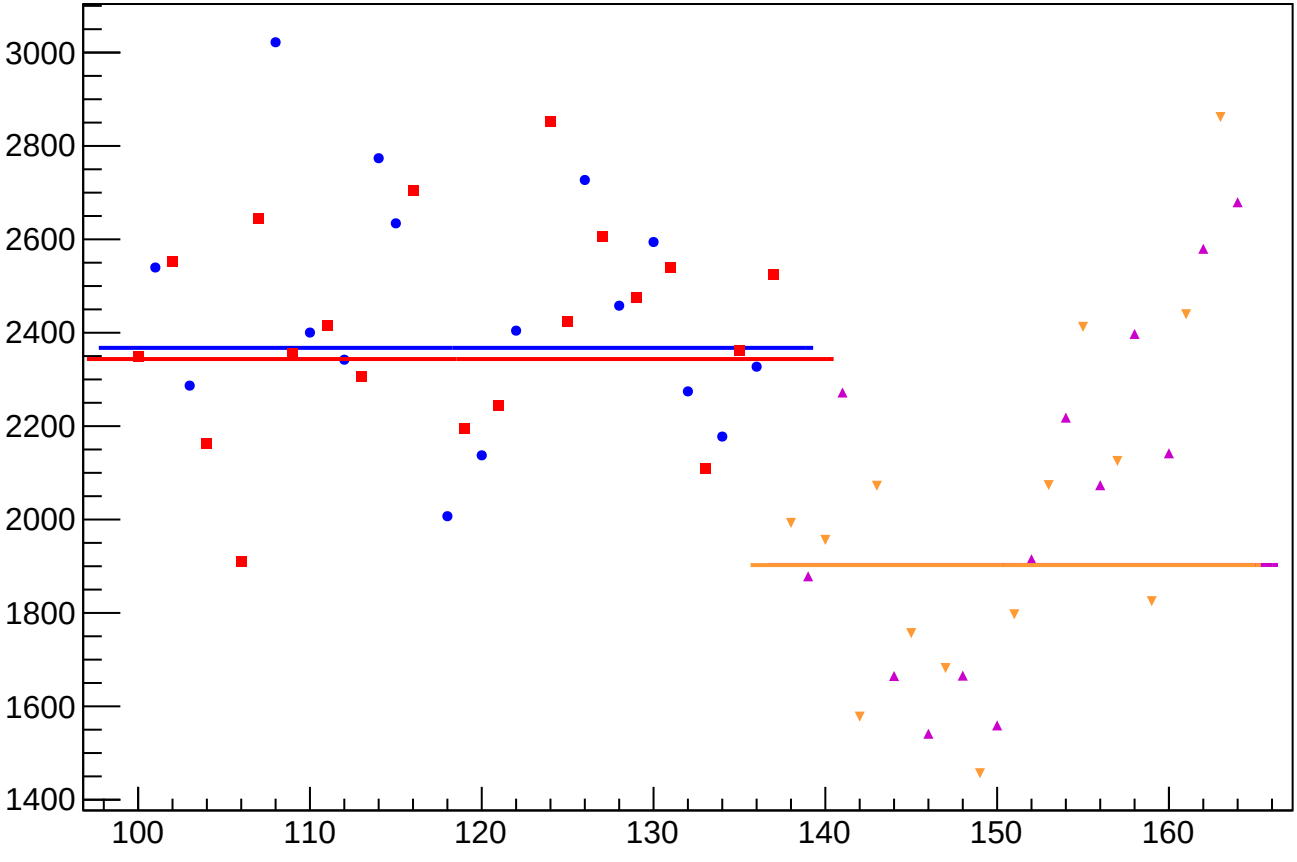
Left In: 83.900+/-0.589 χ^2/NDF:3777.8/12

+ sign 35.397+/-0.484 χ^2/NDF: 12715.2/29

All: 46.378+/-0.343 χ^2/NDF: 28639.4/61

- sign 57.422+/-0.486 χ^2/NDF: 14893.8/31

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1902.459+/-0.409 χ^2/NDF:627370.4/13

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

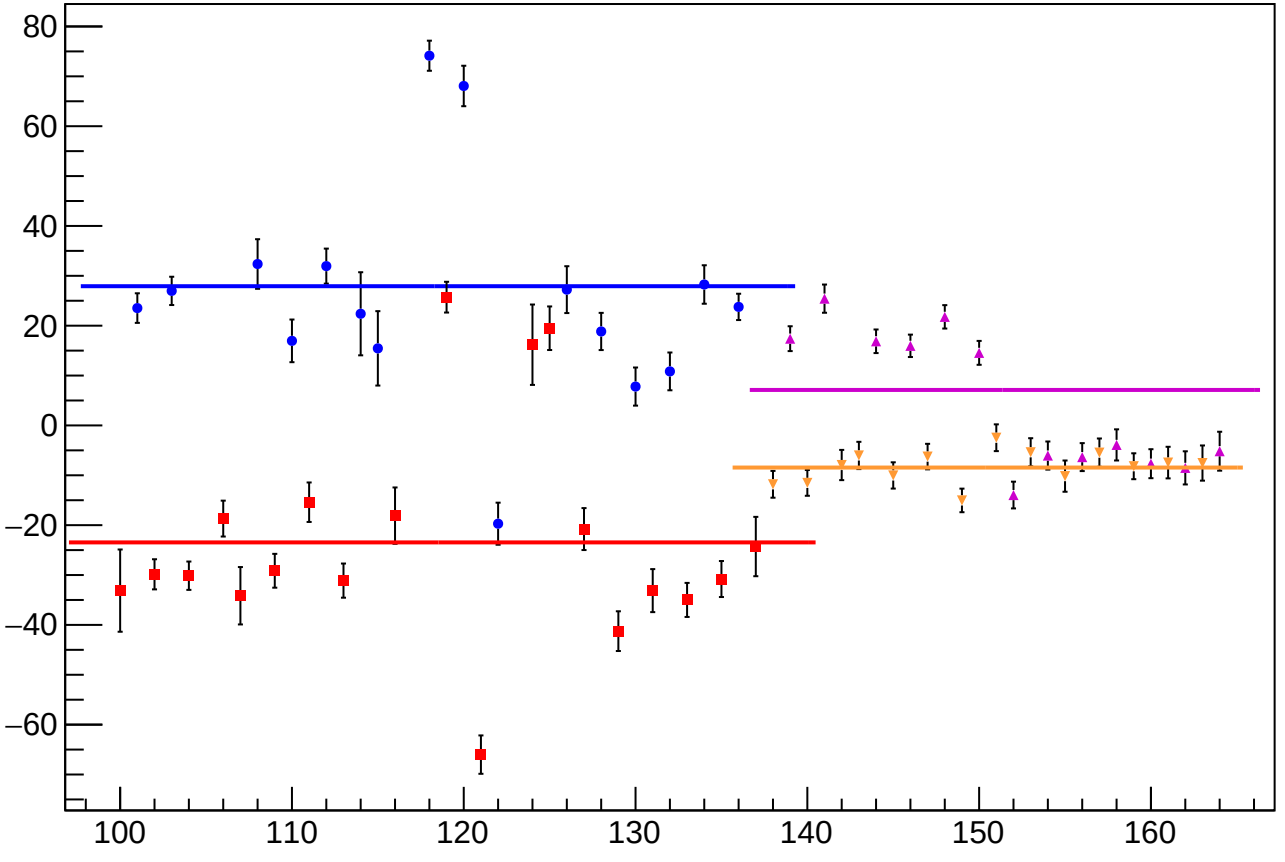
Left In: 1902.734+/-0.416 χ^2/NDF:649180.6/12

+ sign 2041.746+/-0.343 χ^2/NDF: 1140942.2/29

All: 2042.479+/-0.243 χ^2/NDF: 2260041.8/61

- 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: -8.447+/-0.740 χ^2/NDF:20.4/13

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

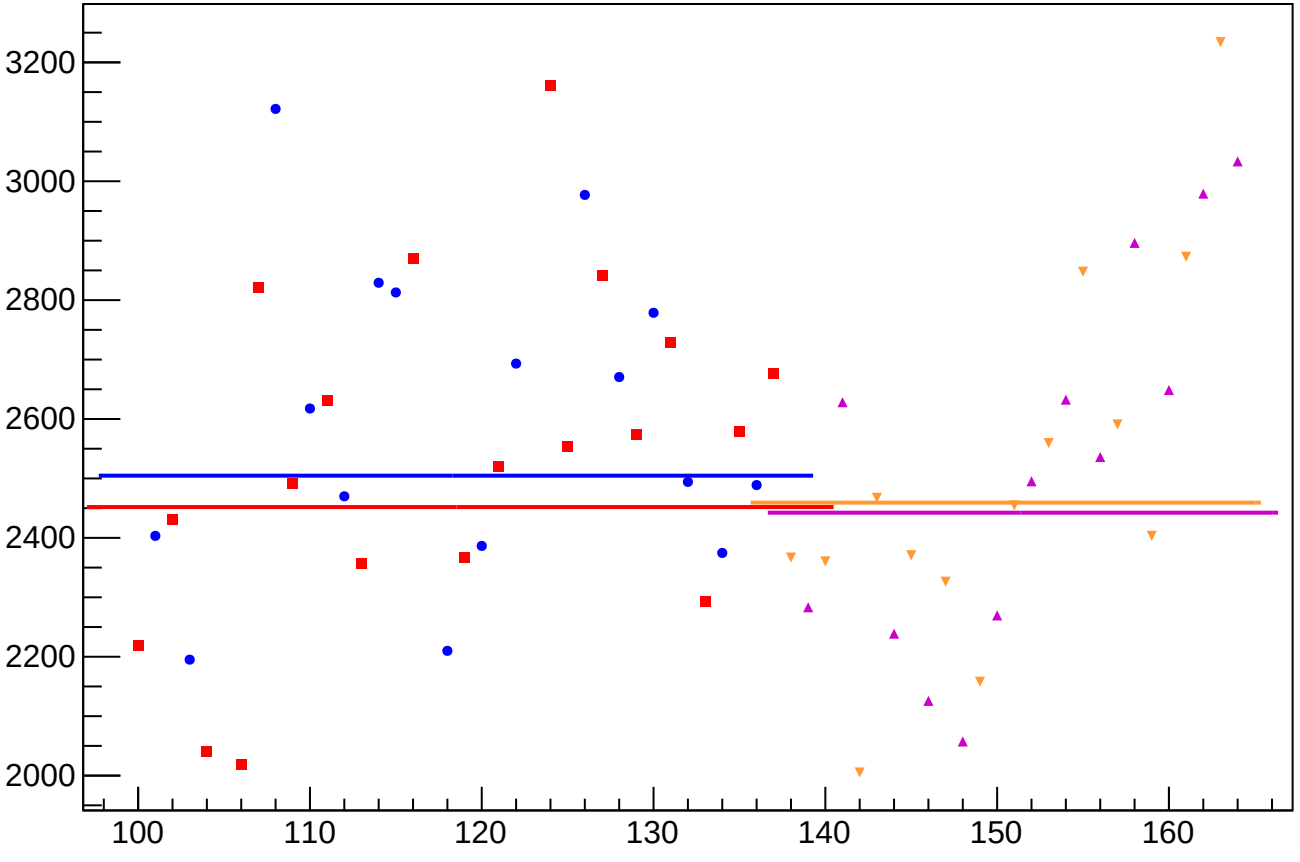
Left In: 7.115+/-0.748 χ^2/NDF:317.1/12

+ sign 5.528+/-0.581 χ^2/NDF: 1478.8/29

All: 0.054+/-0.409 χ^2/NDF: 3220.2/61

- 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: 2459.344+/-0.523 χ^2/NDF:259420.4/13

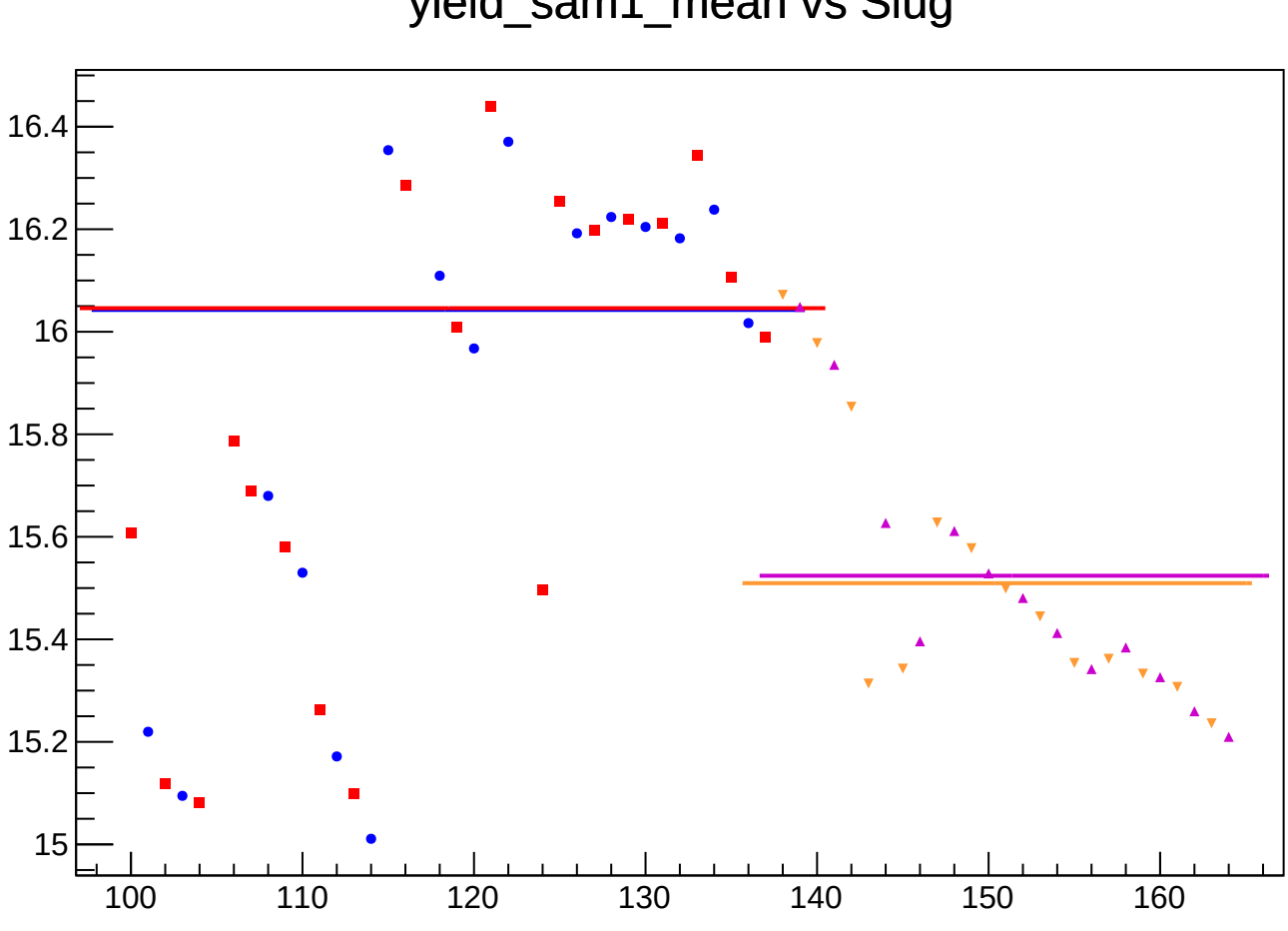
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2442.385+/-0.529 χ^2/NDF:298043.5/12

+ sign 2476.758+/-0.411 χ^2/NDF: 388900.3/29

All: 2461.376+/-0.289 χ^2/NDF: 843095.0/61

- 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: 15.510+/-0.000 χ^2/NDF:6707420753.8/13

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

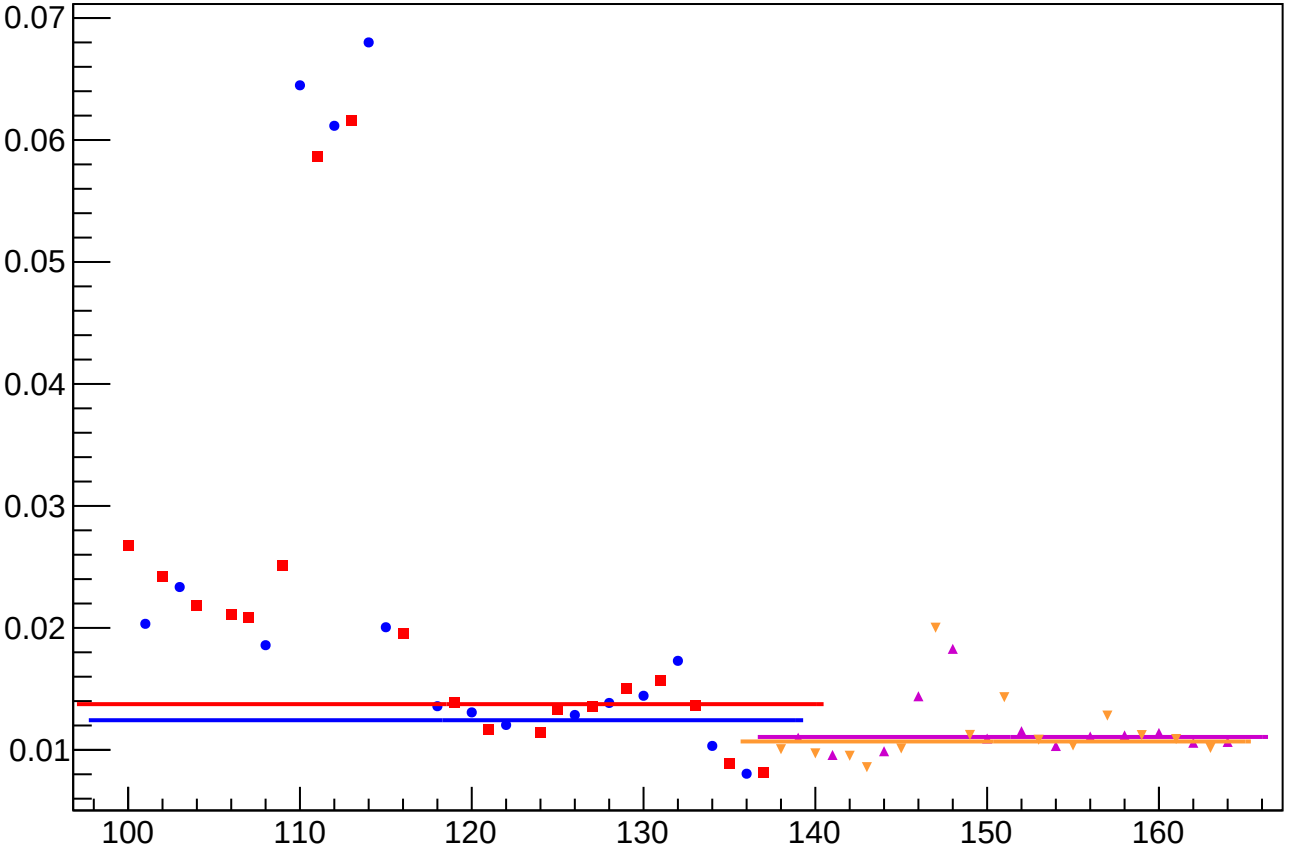
Left In: 15.524+/-0.000 χ^2/NDF:5208066333.4/12

+ sign 15.660+/-0.000 χ^2/NDF: 16804414037.5/29

All: 15.661+/-0.000 χ^2/NDF: 31583113593.1

- 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:635304.0/13

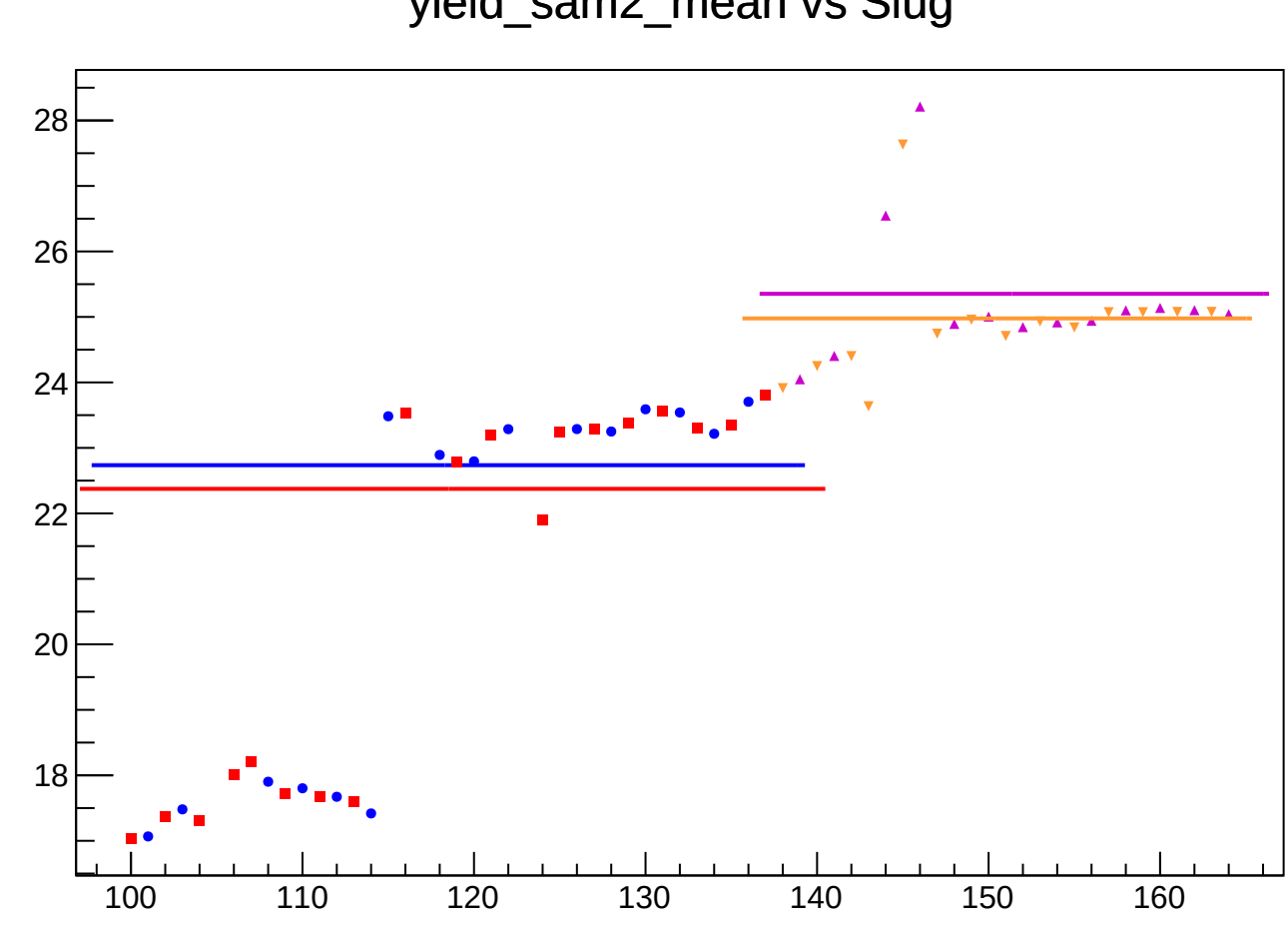
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:414557.2/12

+ sign 0.011+/-0.000 χ^2/NDF: 3106990.4/29

All: 0.011+/-0.000 χ^2/NDF: 6113557.5/61

- sign 0.012+/-0.000 χ^2/NDF: 2964937.6/31



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.977+/-0.000 χ^2/NDF:765849510.7/13

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

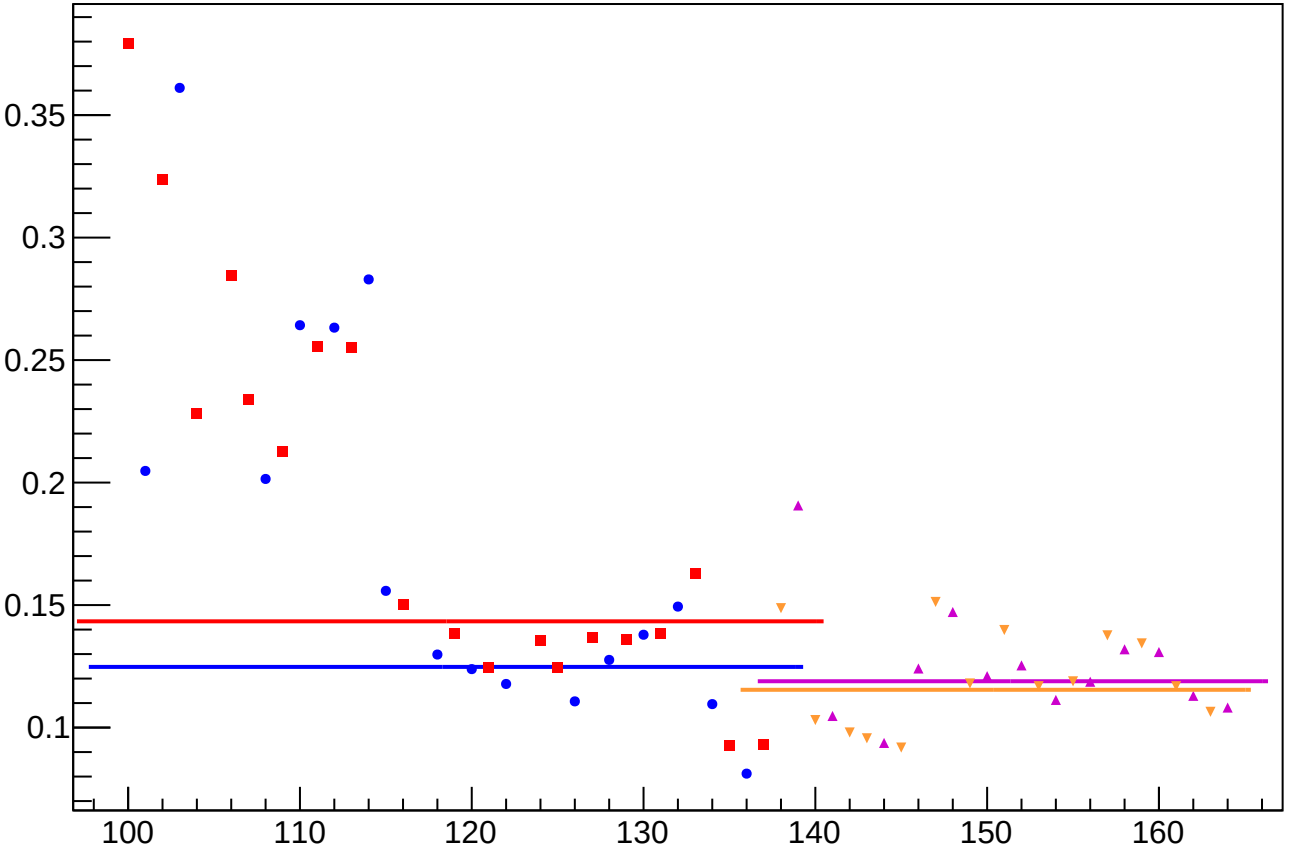
Left In: 25.353+/-0.000 χ^2/NDF:691721725.7/12

+ sign 24.244+/-0.000 χ^2/NDF: 3147564302.0/29

All: 24.350+/-0.000 χ^2/NDF: 6822196155.1/6

- 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:465135.9/13

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

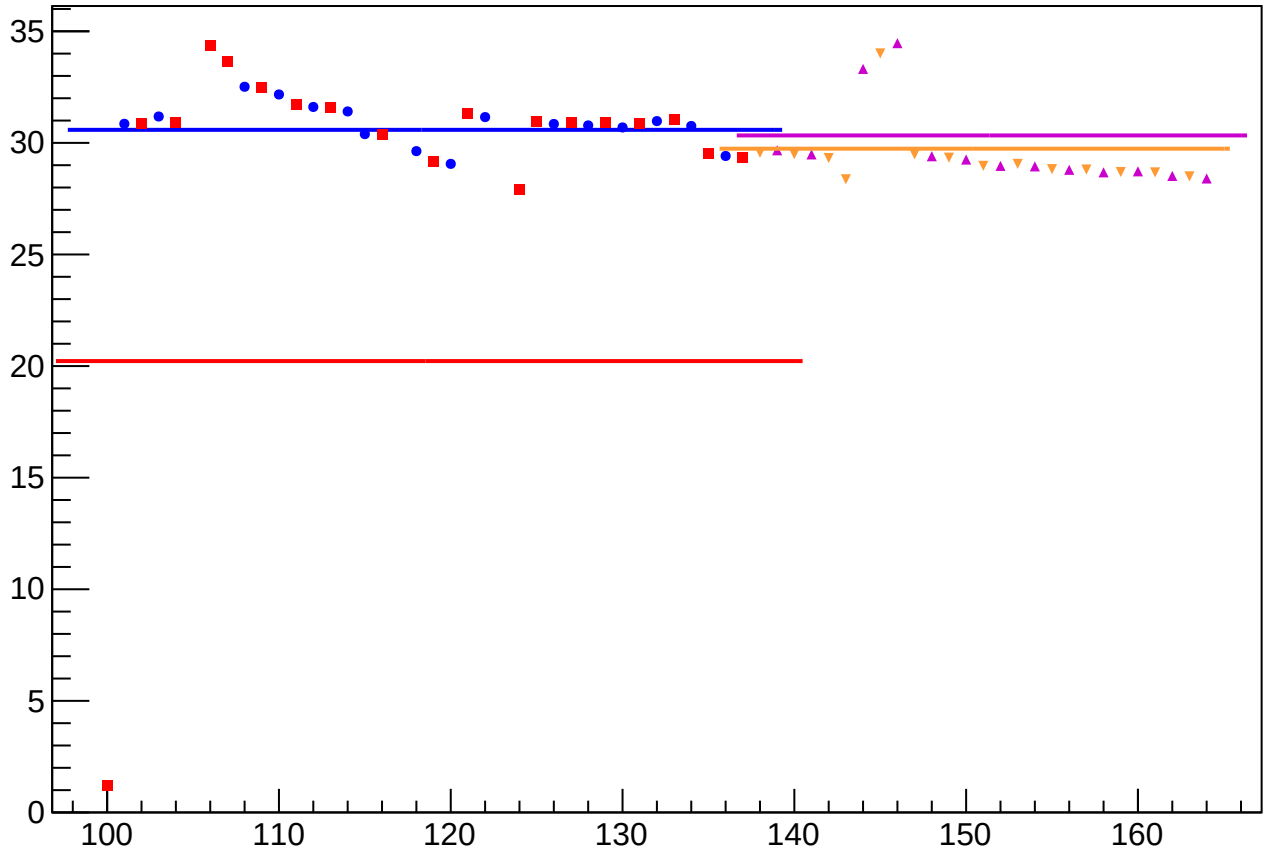
Left In: 0.119+/-0.000 χ^2/NDF:483550.5/12

+ sign 0.118+/-0.000 χ^2/NDF: 2255307.6/29

All: 0.122+/-0.000 χ^2/NDF: 4602824.3/61

- 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: 29.740+/-0.000 χ^2/NDF:6272633919.5/13

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

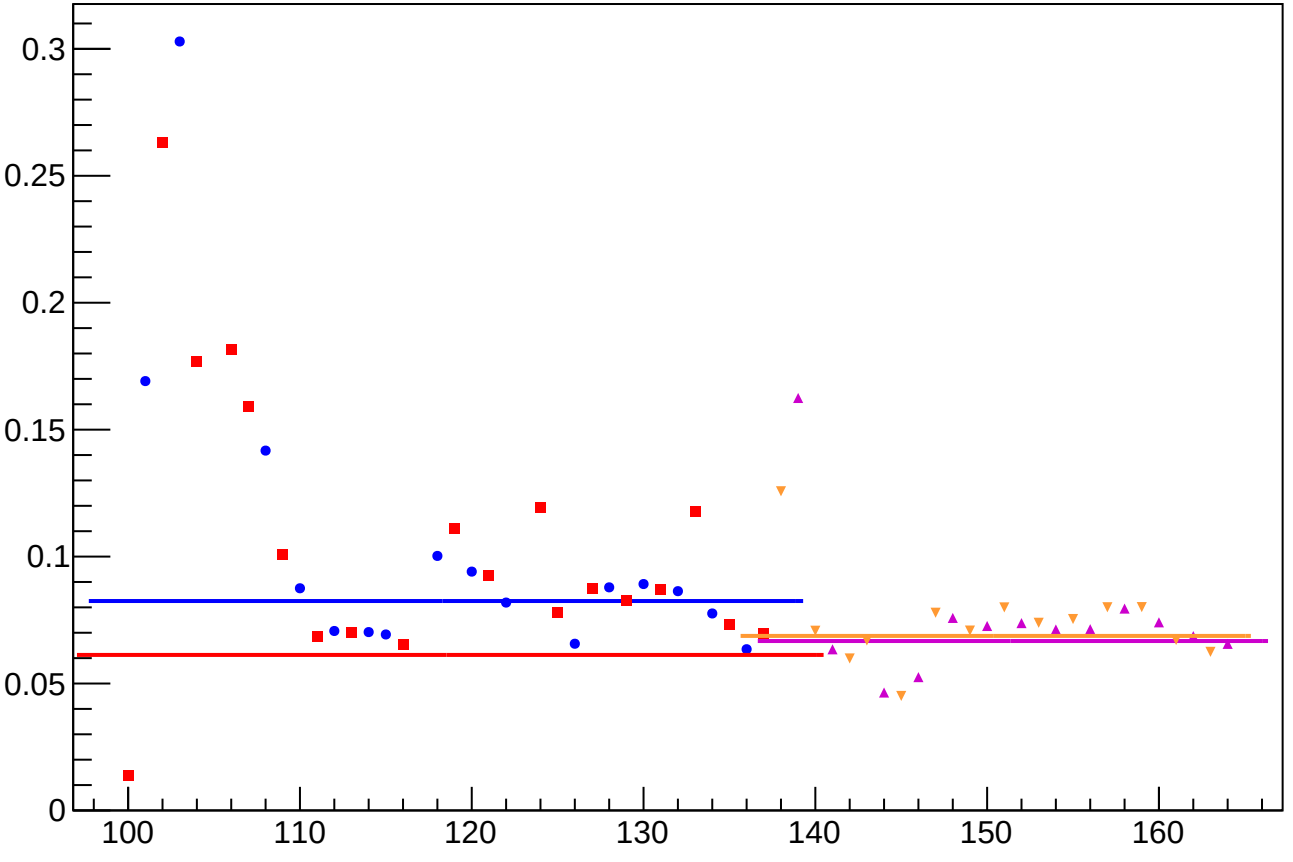
Left In: 30.333+/-0.000 χ^2/NDF:9332805268.3/12

+ sign 29.995+/-0.000 χ^2/NDF: 7310004715.4/29

All: 28.171+/-0.000 χ^2/NDF: 323749225742.

- 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: 0.069+/-0.000 χ^2/NDF:729256.2/13

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

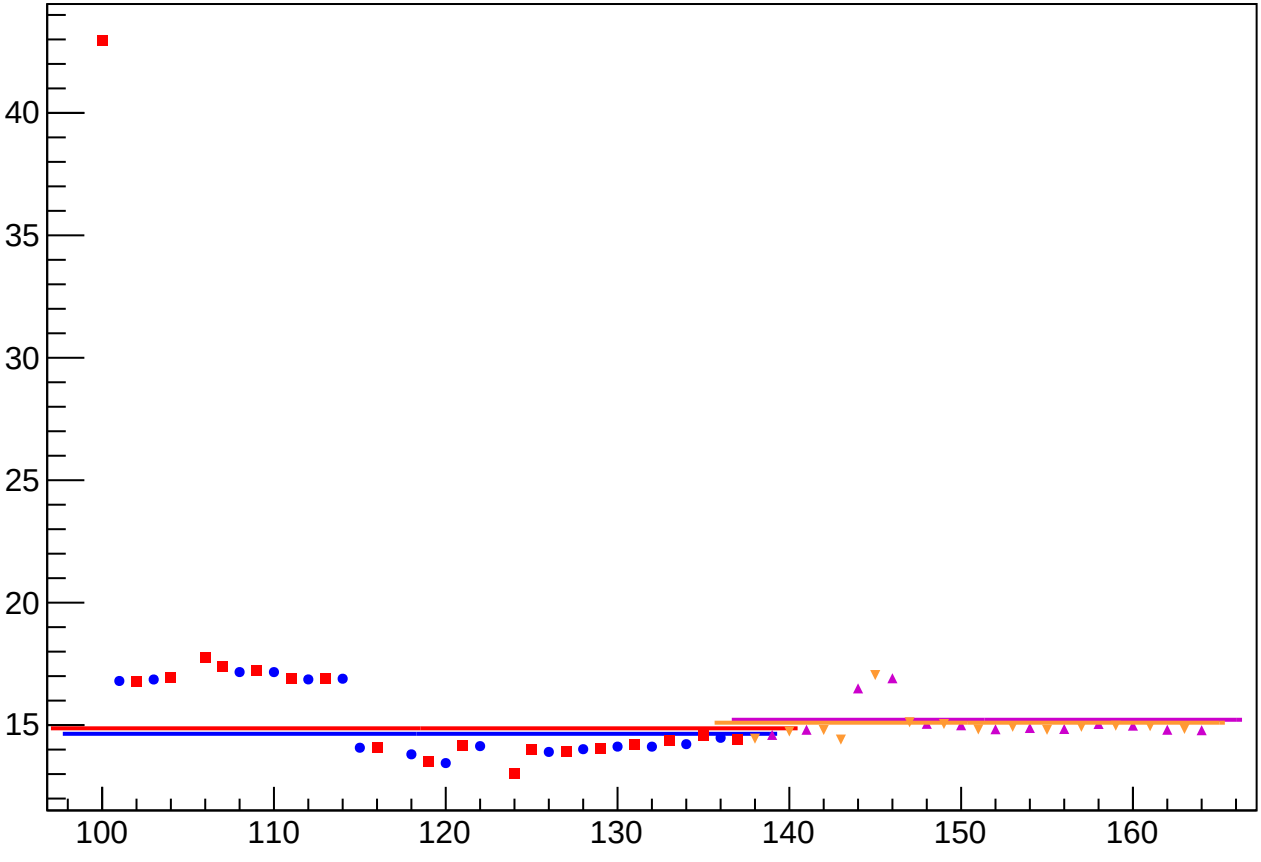
Left In: 0.067+/-0.000 χ^2/NDF:1013050.7/12

+ sign 0.073+/-0.000 χ^2/NDF: 2194610.2/29

All: 0.069+/-0.000 χ^2/NDF: 7446980.1/61

- 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: 15.098+/-0.000 χ^2/NDF:1015596648.1/13

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

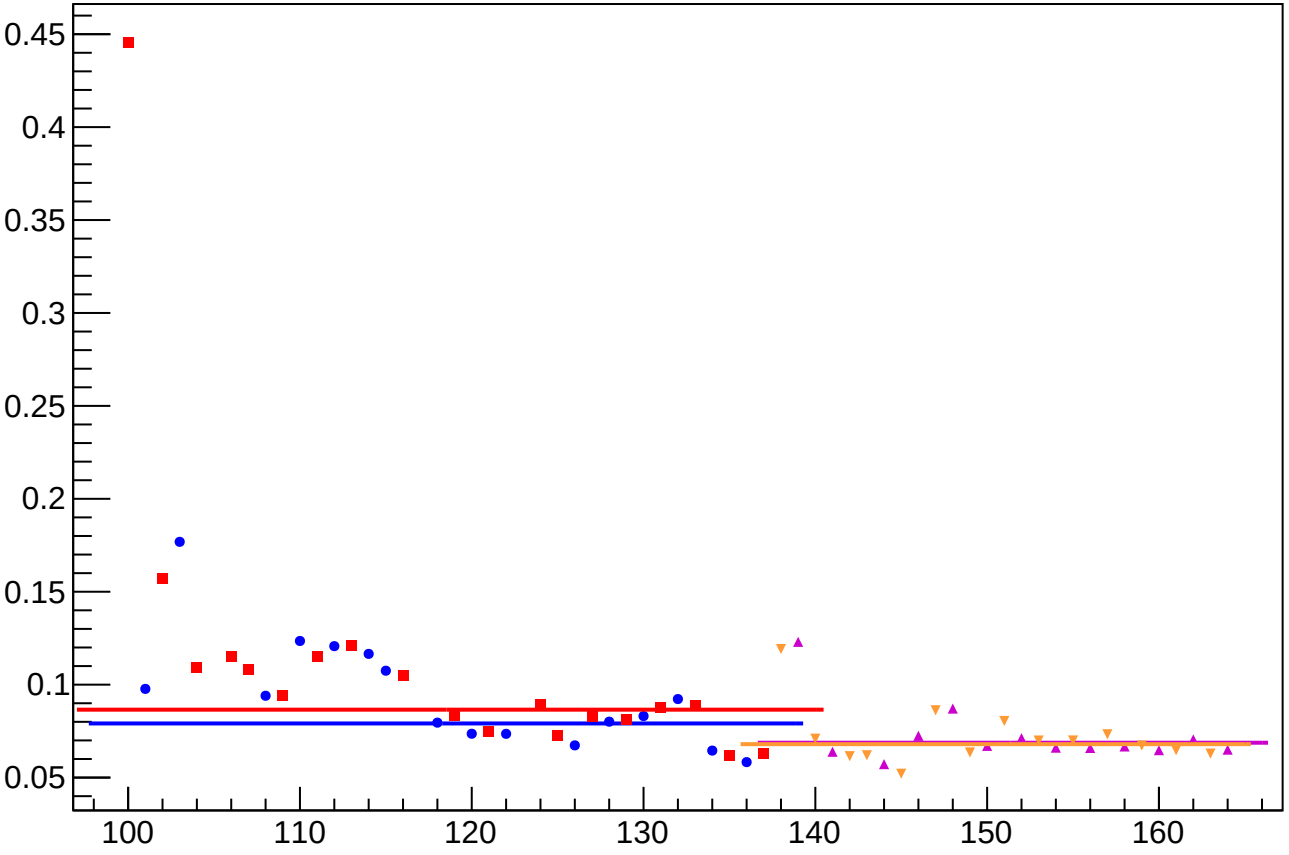
Left In: 15.218+/-0.000 χ^2/NDF:942902393.3/12

+ sign 14.953+/-0.000 χ^2/NDF: 2340863418.4/29

All: 15.031+/-0.000 χ^2/NDF: 5121237304.4/6

- 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:532415.2/13

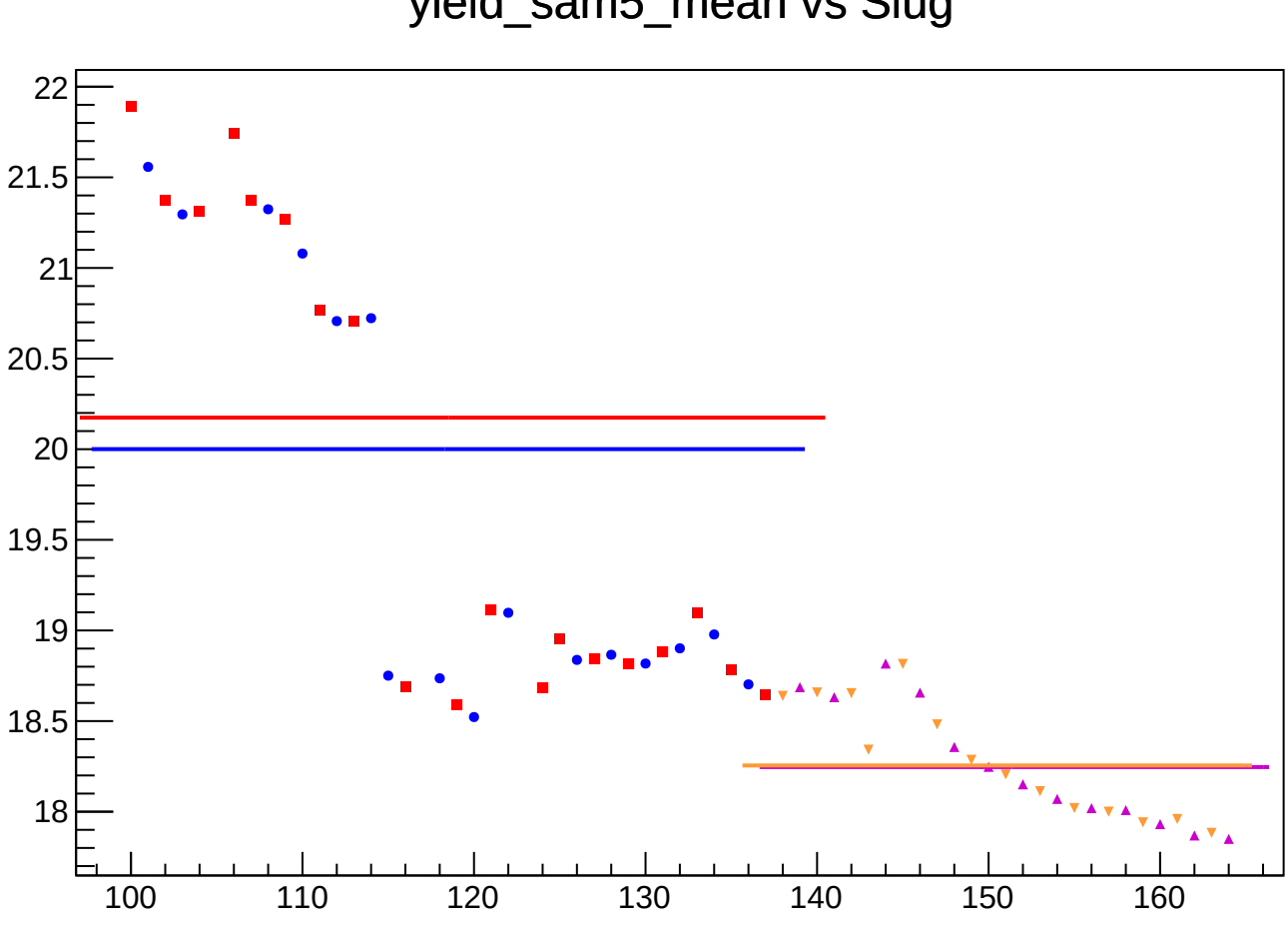
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:472904.9/12

+ sign 0.072+/-0.000 χ^2/NDF: 1609308.9/29

All: 0.073+/-0.000 χ^2/NDF: 3258457.0/61

- sign 0.074+/-0.000 χ^2/NDF: 1631364.9/31



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.255+/-0.000 χ^2/NDF:957879554.0/13

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

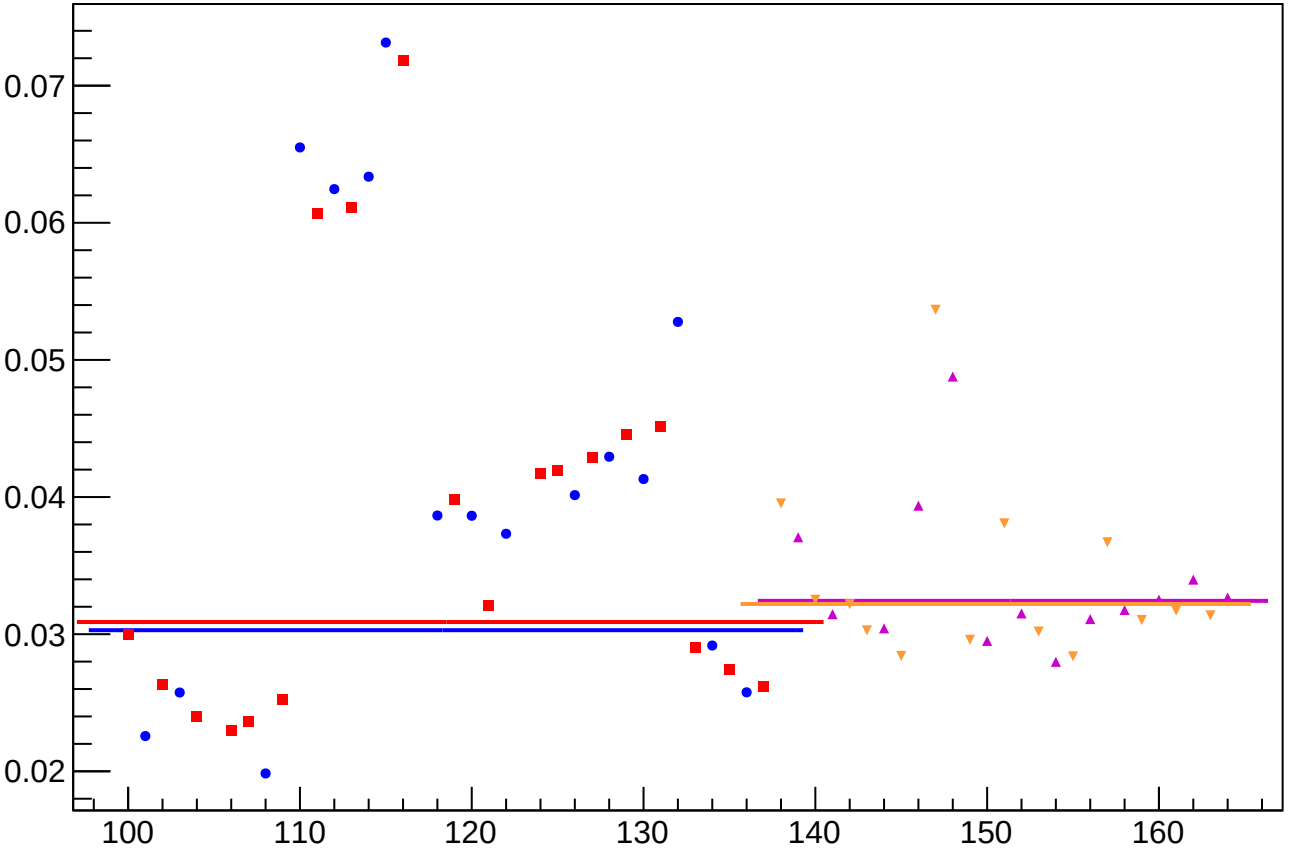
Left In: 18.246+/-0.000 χ^2/NDF:1019952583.7/12

+ sign 18.937+/-0.000 χ^2/NDF: 23895907993.7/29

All: 18.976+/-0.000 χ^2/NDF: 49959462287.1

- 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:454038.0/13

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

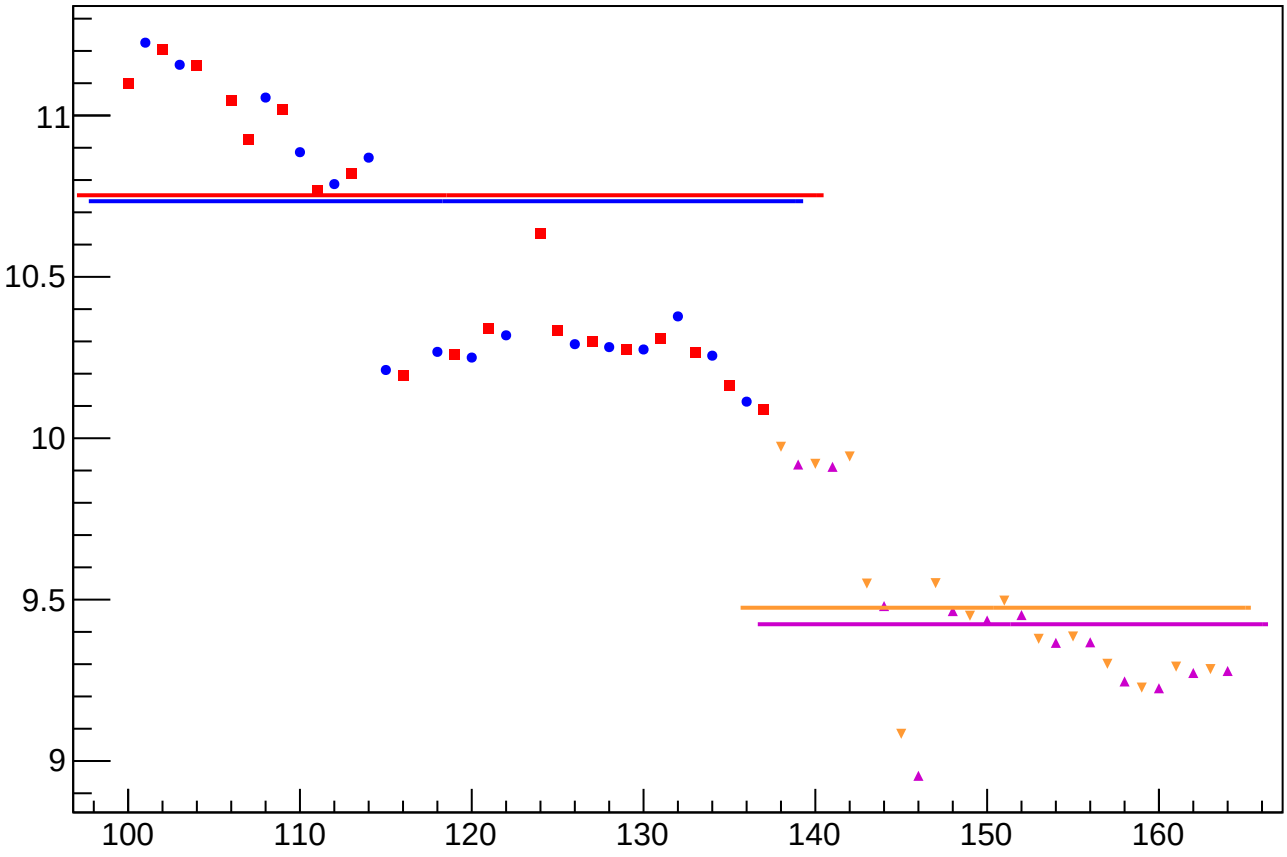
Left In: 0.032+/-0.000 χ^2/NDF:332118.9/12

+ sign 0.031+/-0.000 χ^2/NDF: 1930391.3/29

All: 0.032+/-0.000 χ^2/NDF: 3488028.4/61

- sign 0.032+/-0.000 χ^2/NDF: 1555514.9/31

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.475+/-0.000 χ^2/NDF:1757265266.8/13

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

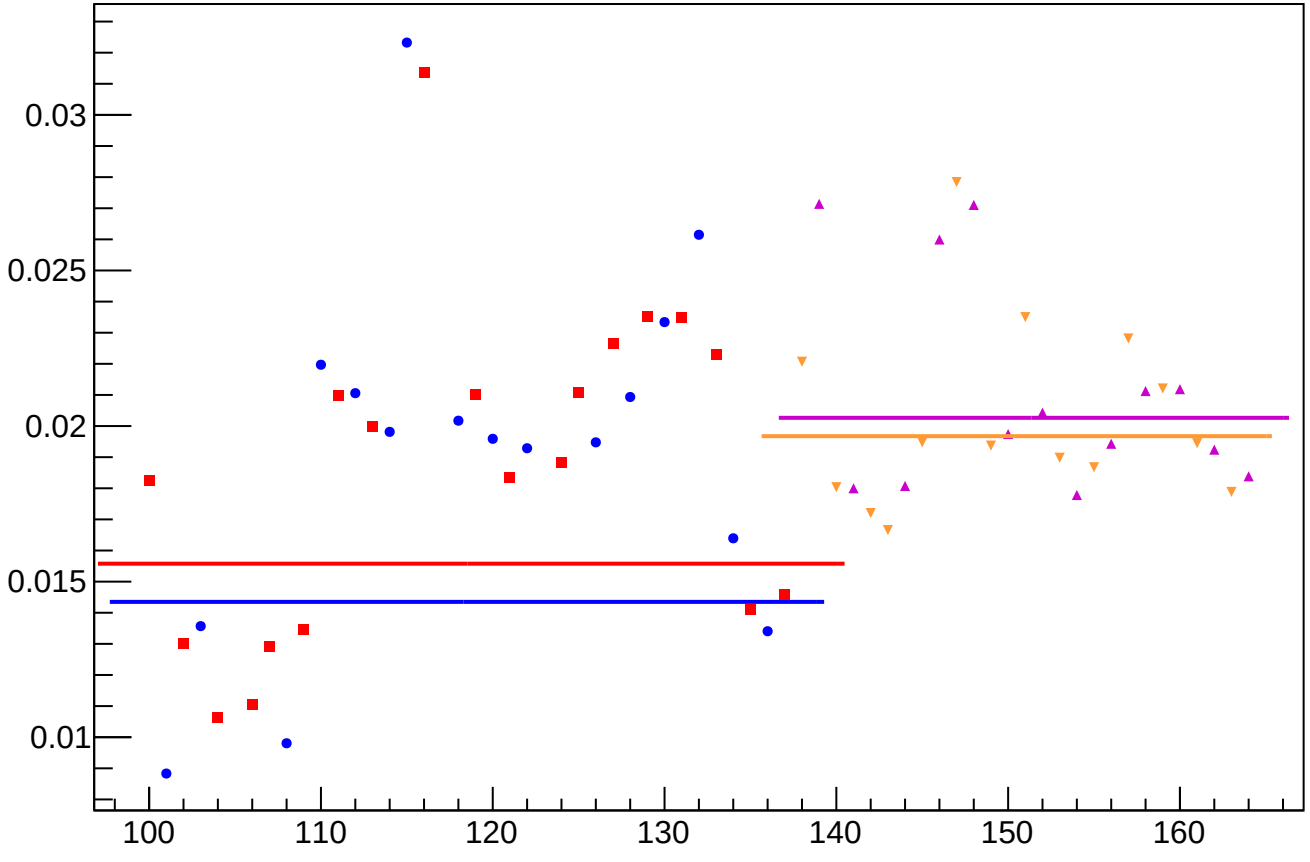
Left In: 9.424+/-0.000 χ^2/NDF:1356484224.3/12

+ sign 10.124+/-0.000 χ^2/NDF: 28866815511.0/29

All: 10.116+/-0.000 χ^2/NDF: 56456426624.4

- 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:330277.6/13

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

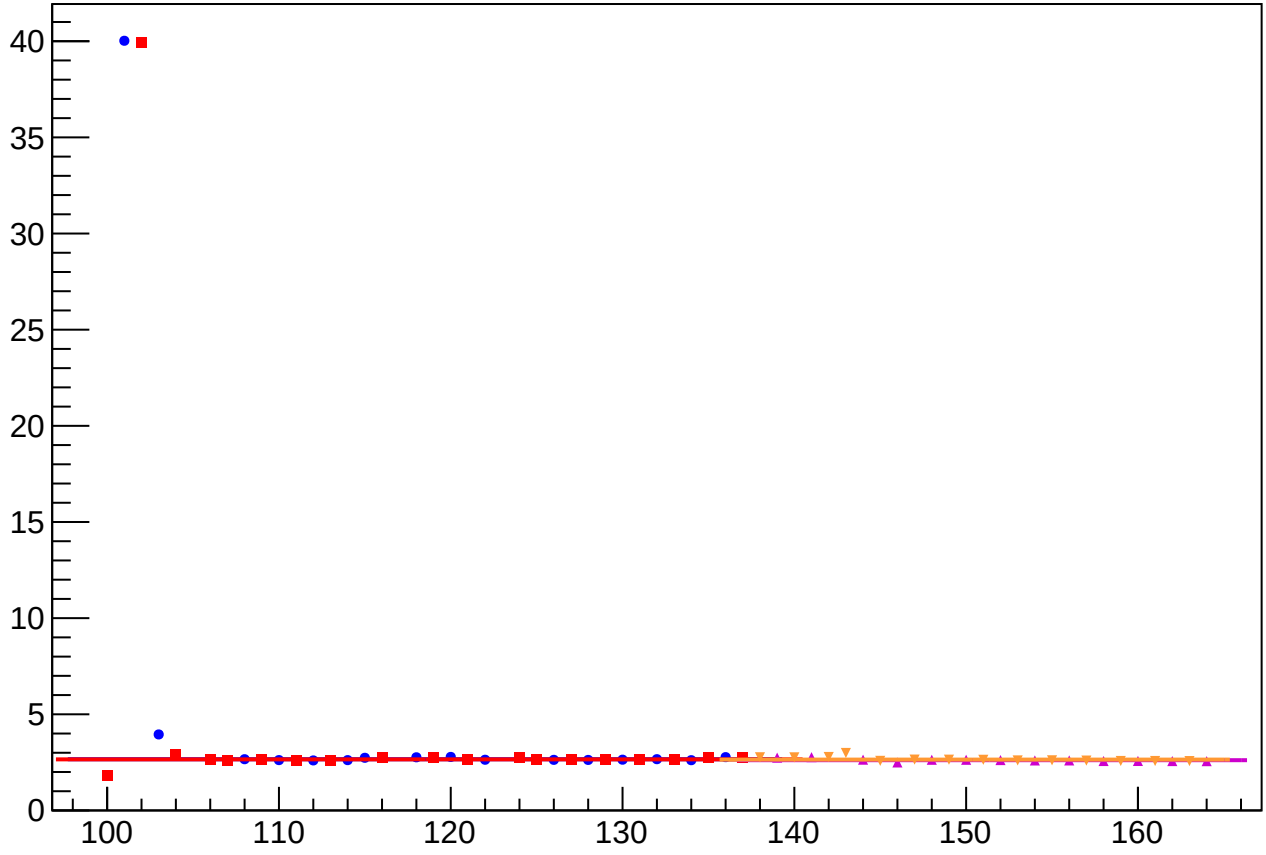
Left In: 0.020+/-0.000 χ^2/NDF:391647.5/12

+ sign 0.017+/-0.000 χ^2/NDF: 2571156.8/29

All: 0.017+/-0.000 χ^2/NDF: 4623114.9/61

- 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: 2.644+/-0.000 χ^2/NDF:19831857548.9/13

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

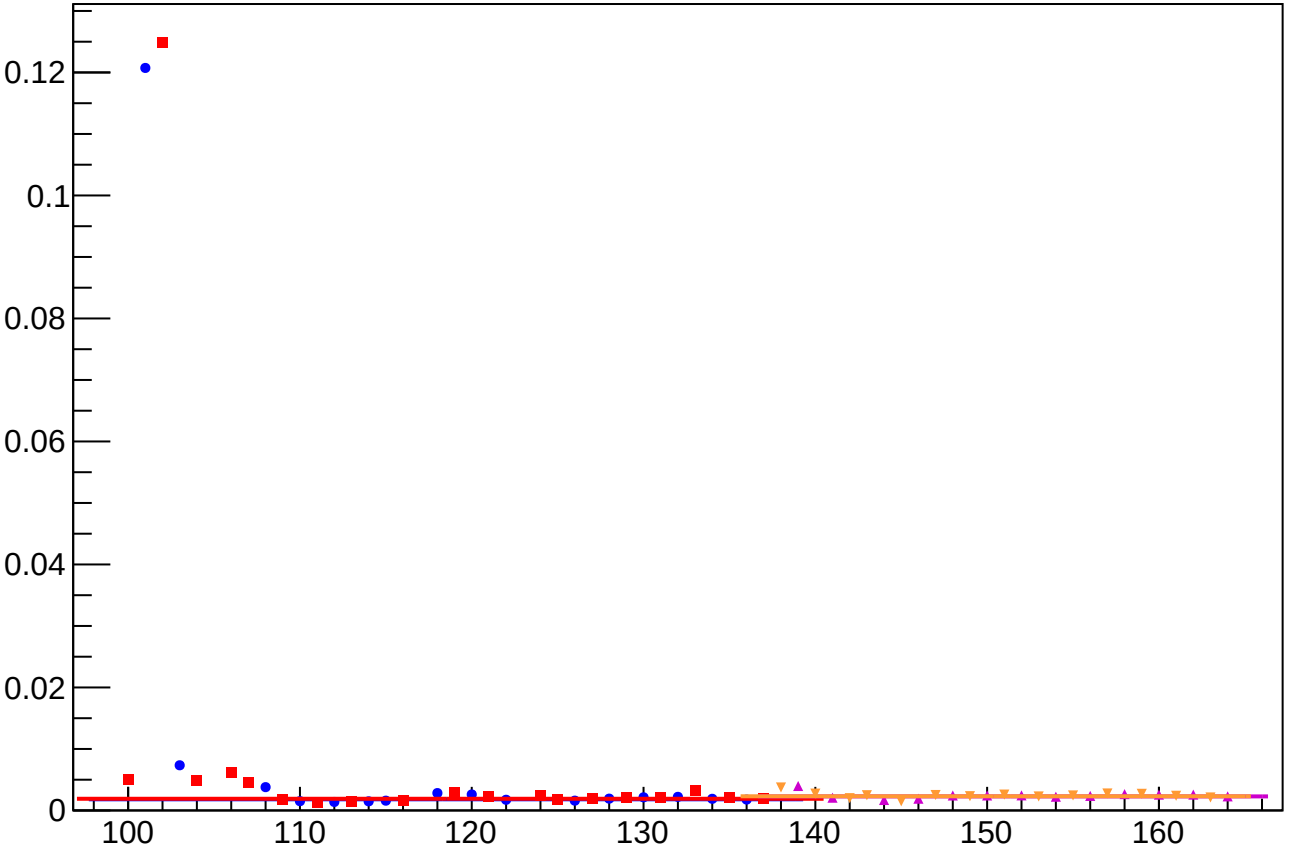
Left In: 2.614+/-0.000 χ^2/NDF:8651667831.0/12

+ sign 2.653+/-0.000 χ^2/NDF: 87960303745.5/29

All: 2.643+/-0.000 χ^2/NDF: 163708967230.1

- 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:747906.2/13

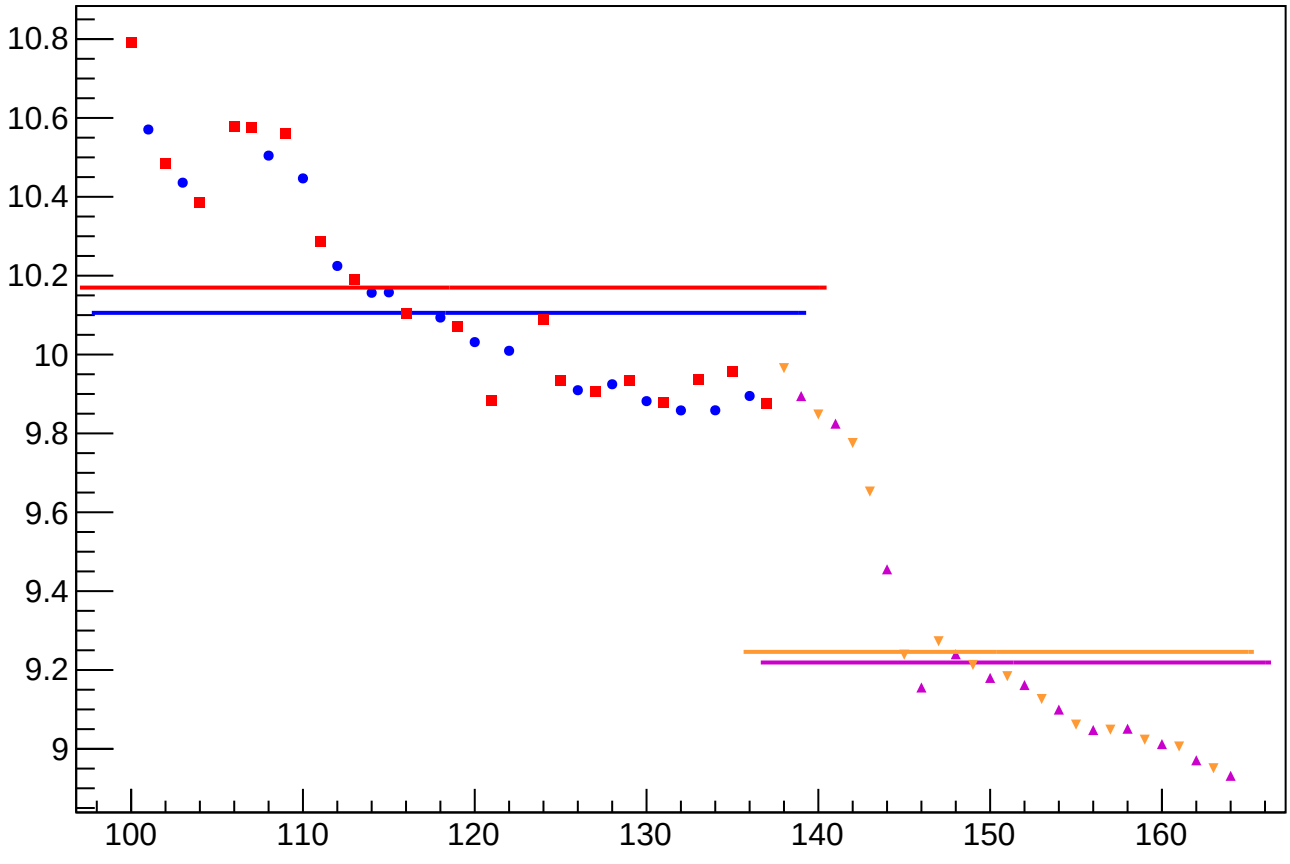
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:606711.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 2946397.5/29

All: 0.002+/-0.000 χ^2/NDF: 6310806.7/61

- sign 0.002+/-0.000 χ^2/NDF: 3361375.3/31



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.246+/-0.000 χ^2/NDF:17829718122.0/13

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

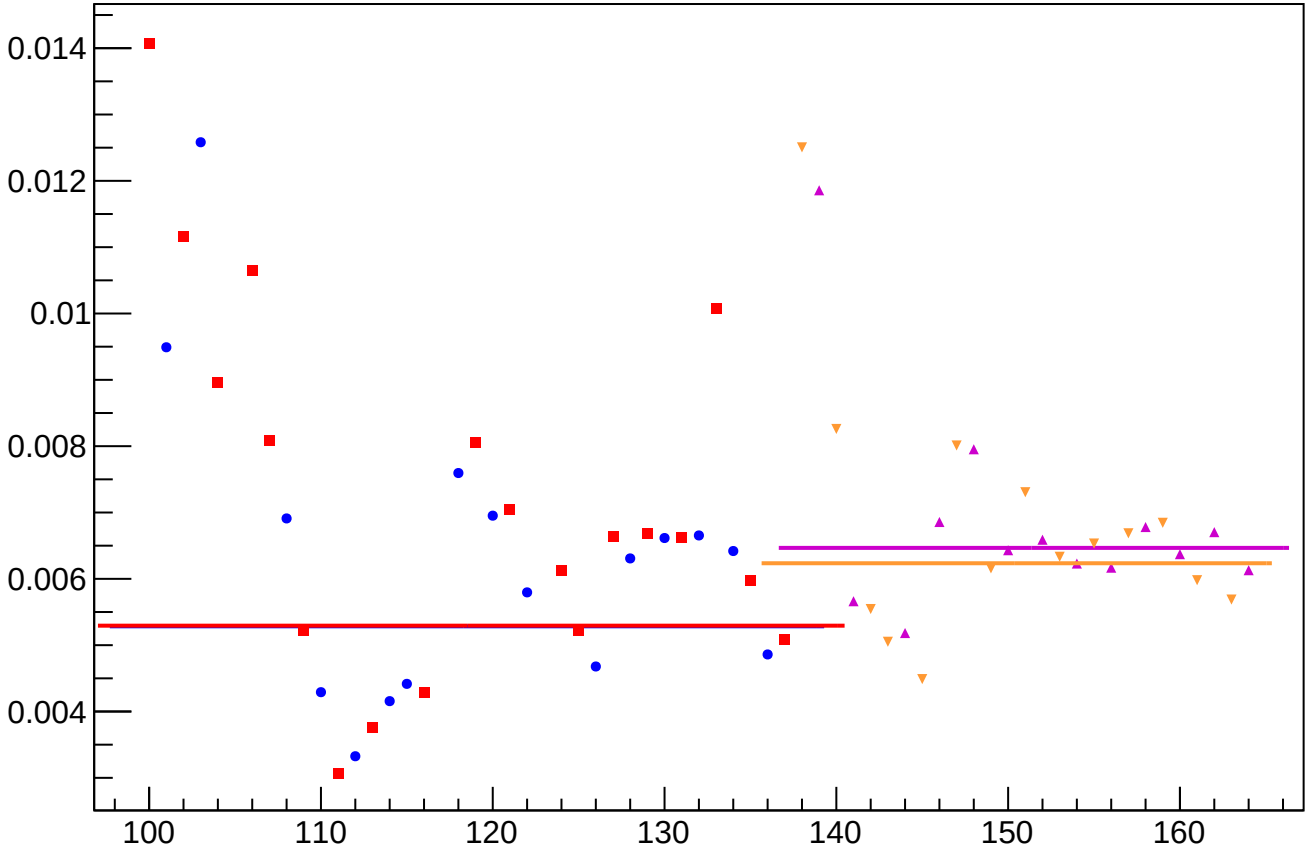
Left In: 9.219+/-0.000 χ^2/NDF:15075498949.1/12

+ sign 9.642+/-0.000 χ^2/NDF: 104133894444.2/29

All: 9.660+/-0.000 χ^2/NDF: 220515708558.0

- 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:817711.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

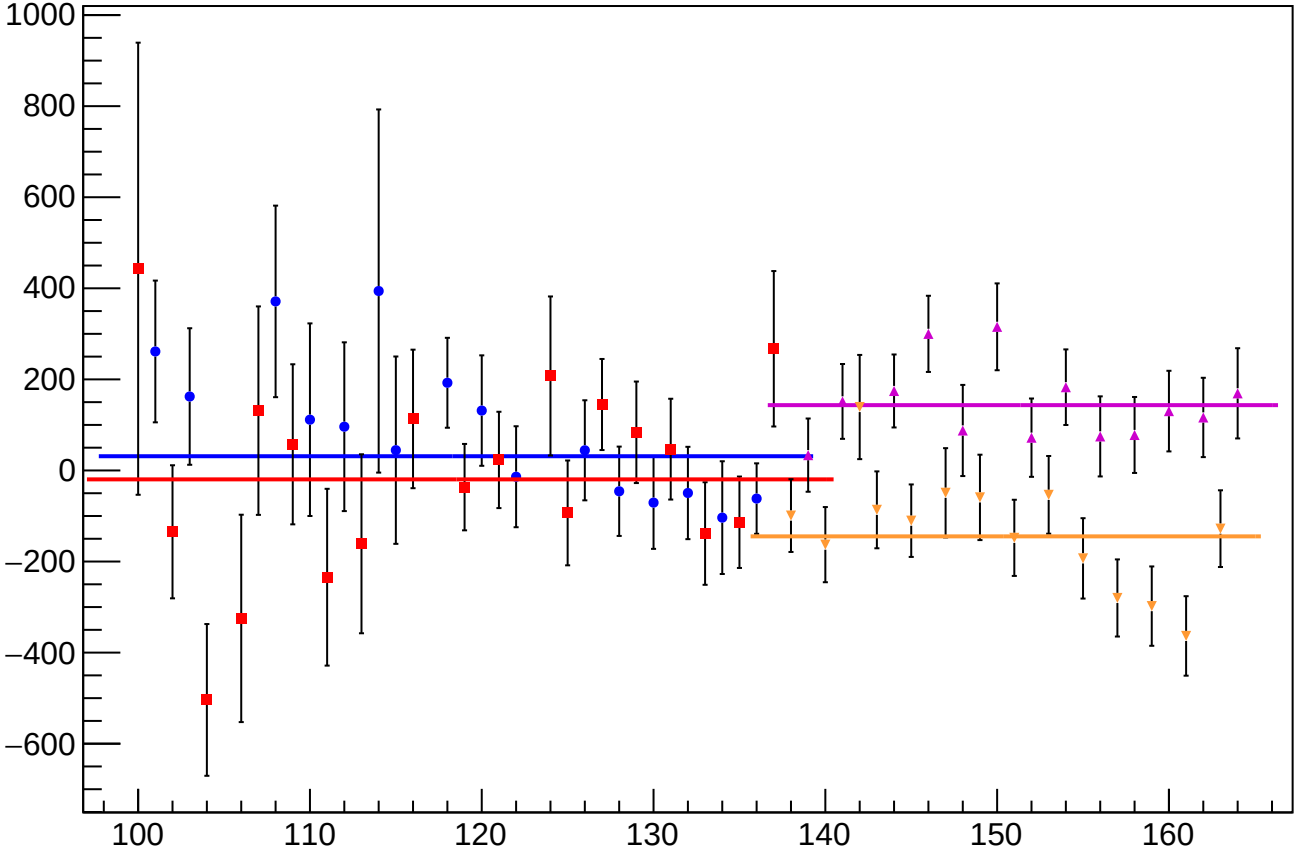
Left In: 0.006+/-0.000 χ^2/NDF:500356.7/12

+ sign 0.006+/-0.000 χ^2/NDF: 2280510.8/29

All: 0.006+/-0.000 χ^2/NDF: 4856982.2/61

- 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: -144.743+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

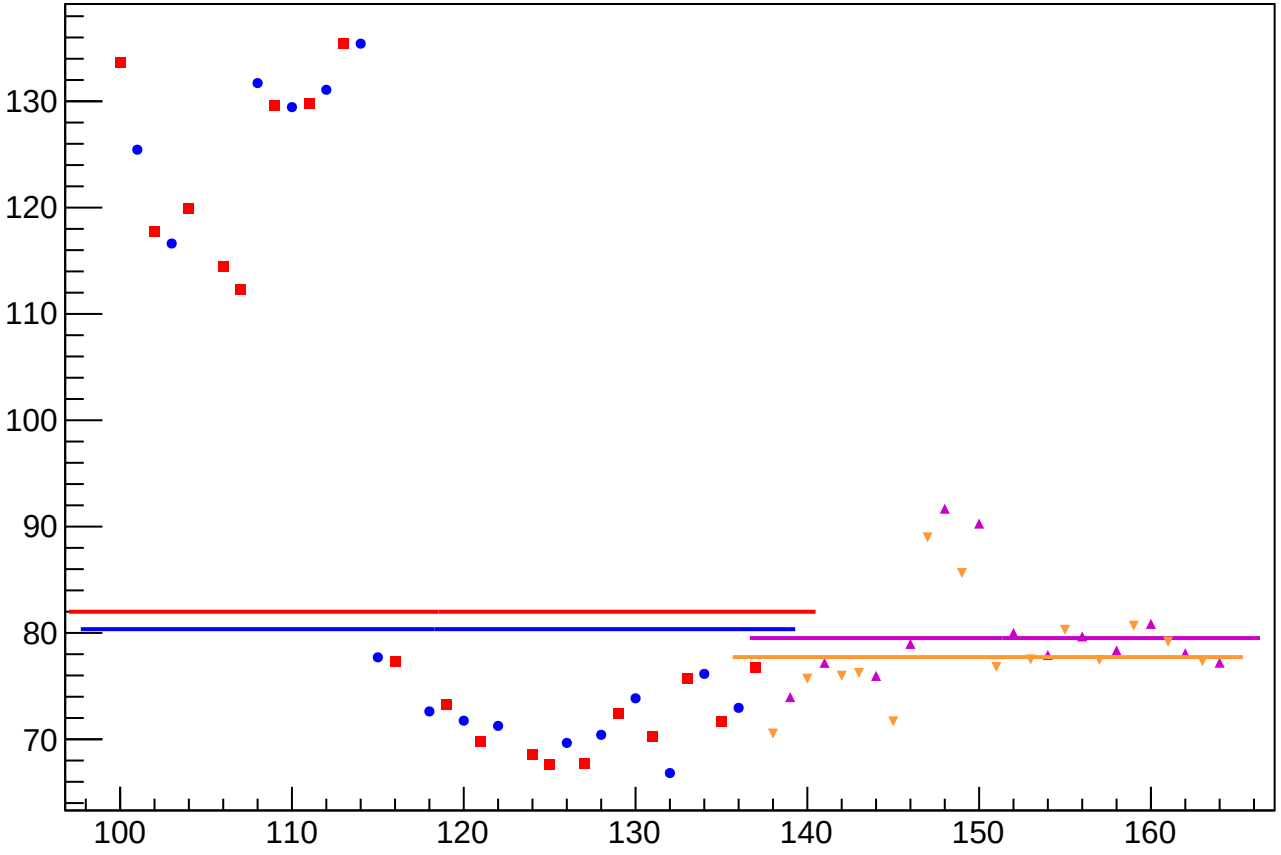
Left In: 143.433+/-24.070 χ^2/NDF:11.4/12

\+ sign -80.781+/-18.560 χ^2/NDF: 58.3/29

All: -1.277+/-13.285 χ^2/NDF: 150.4/61

\- 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: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

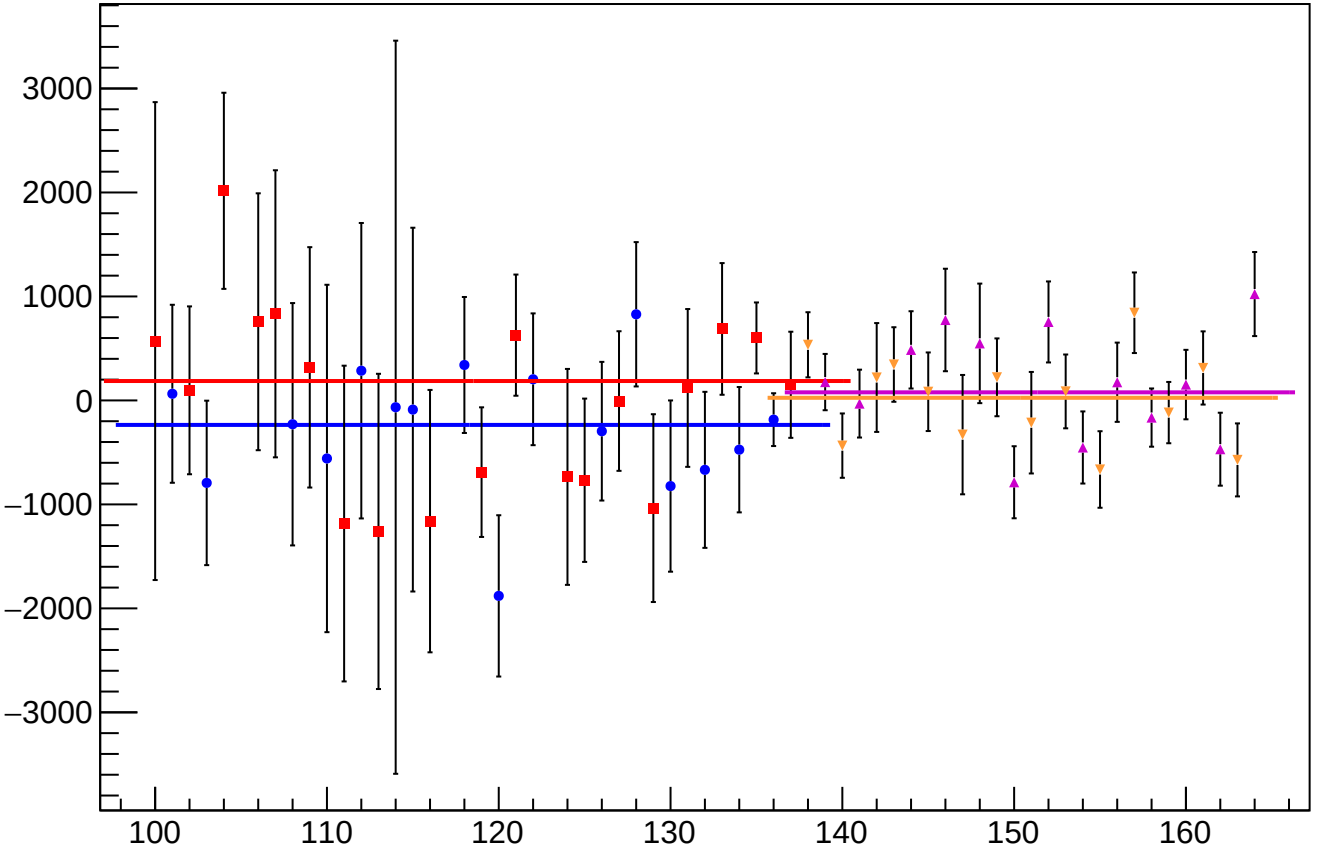
Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.682+/-0.013 χ^2/NDF: 924877.7/29

All: 79.542+/-0.009 χ^2/NDF: 1947450.0/61

- 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: 25.269+/-98.483 χ^2/NDF:18.5/13

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

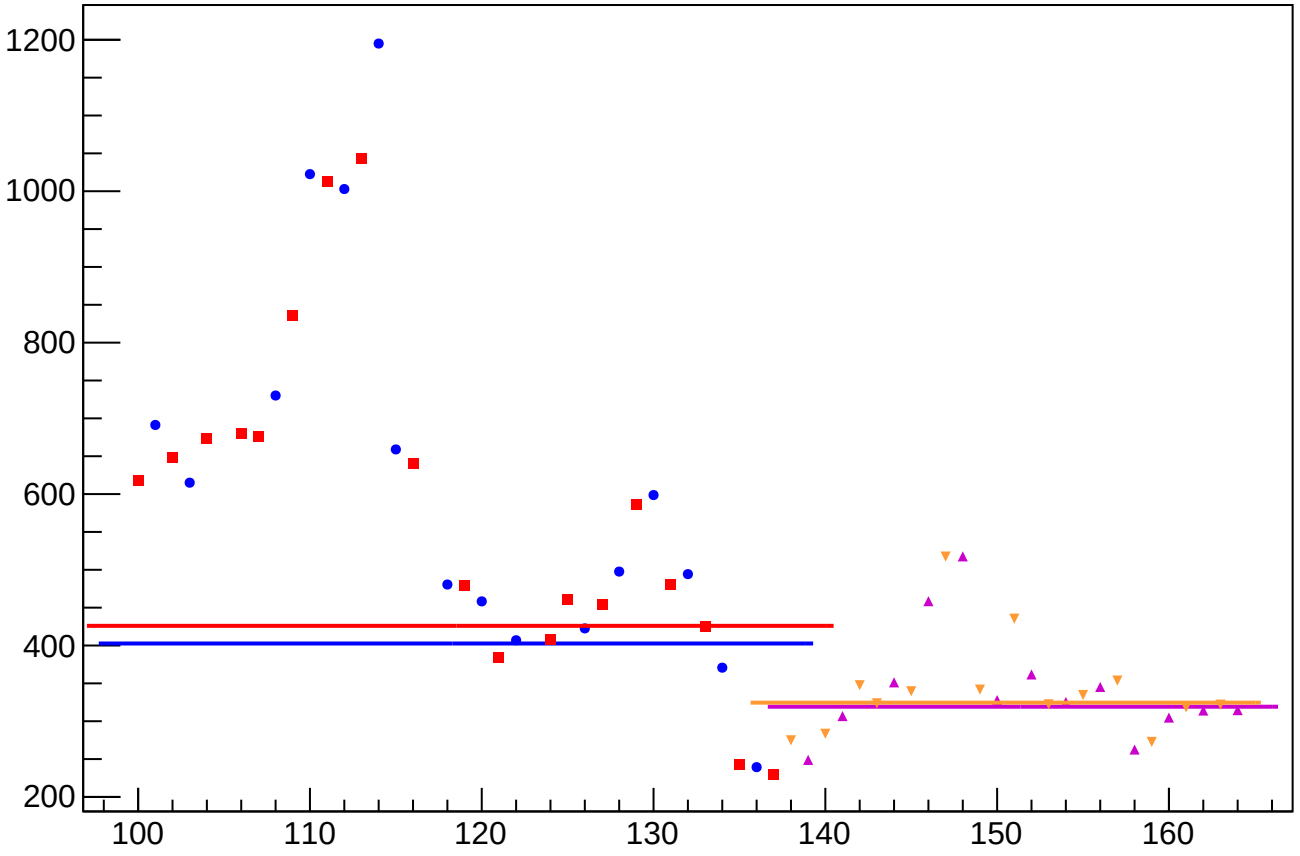
Left In: 77.786+/-98.299 χ^2/NDF:24.5/12

\+ sign -43.995+/-84.397 χ^2/NDF: 30.3/29

All: 29.825+/-59.941 χ^2/NDF: 72.6/61

\- 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: 324.548+/-0.070 χ^2/NDF:501637.7/13

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

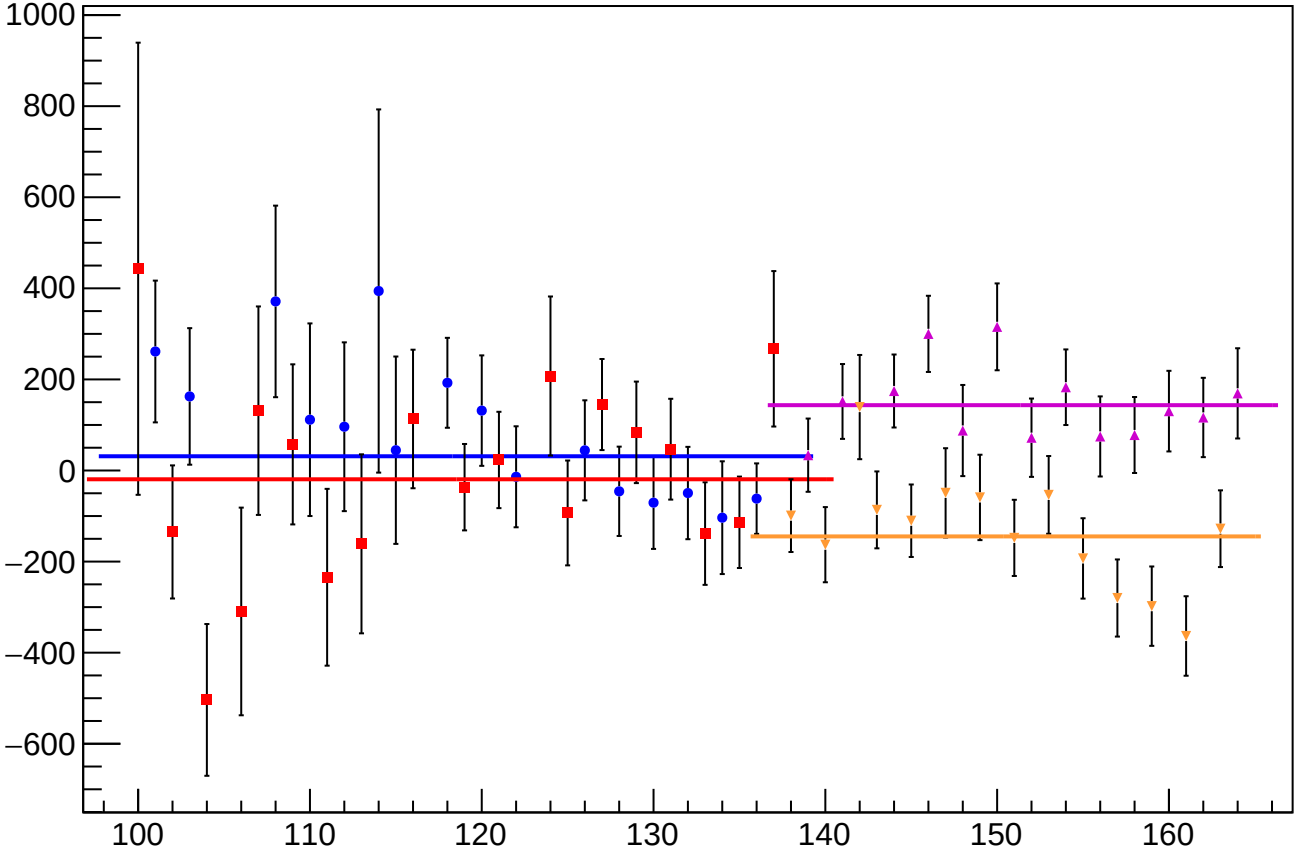
Left In: 319.163+/-0.070 χ^2/NDF:672099.6/12

+ sign 345.293+/-0.060 χ^2/NDF: 3195876.0/29

All: 345.562+/-0.042 χ^2/NDF: 6826505.9/61

- 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: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

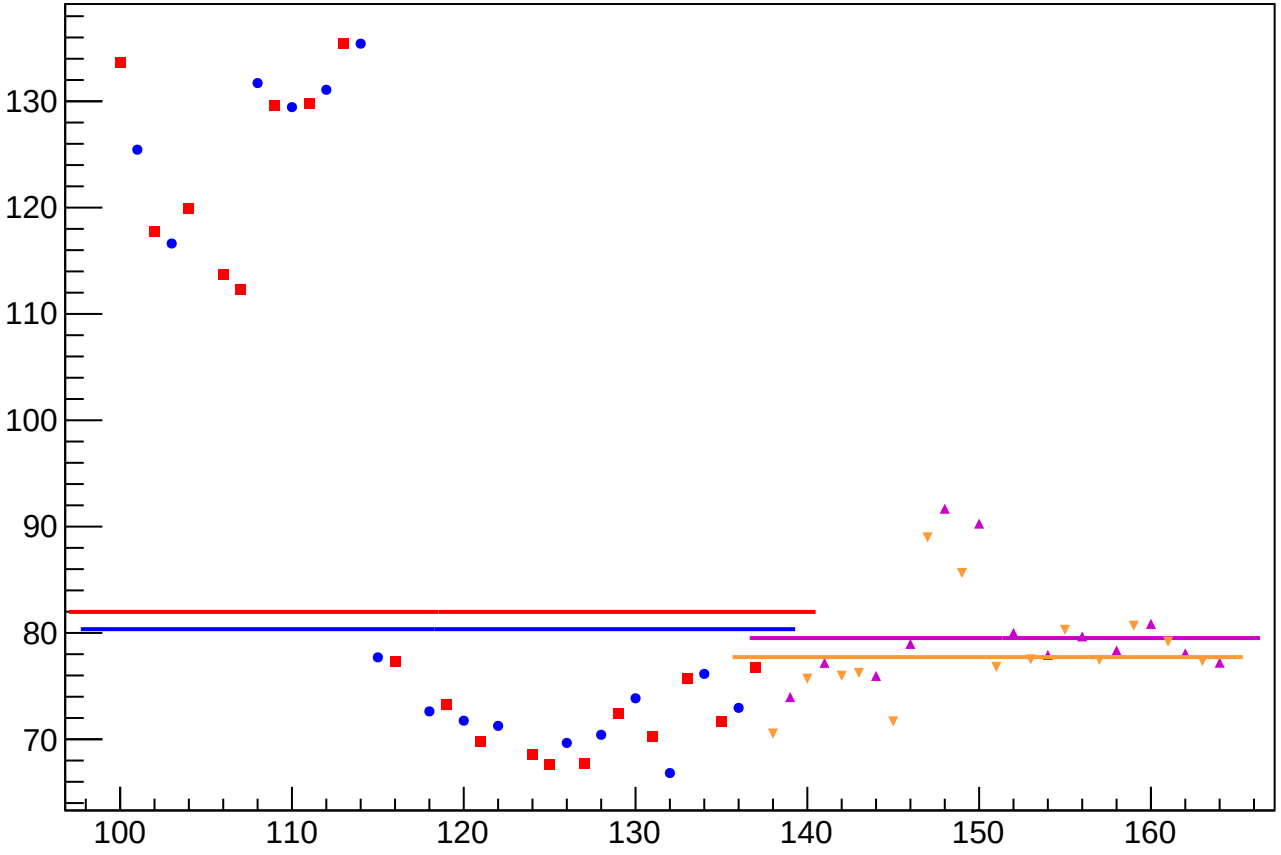
Left In: 143.436+/-24.070 χ^2/NDF:11.4/12

\+ sign -80.774+/-18.560 χ^2/NDF: 58.3/29

All: -1.219+/-13.285 χ^2/NDF: 150.2/61

\- 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: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

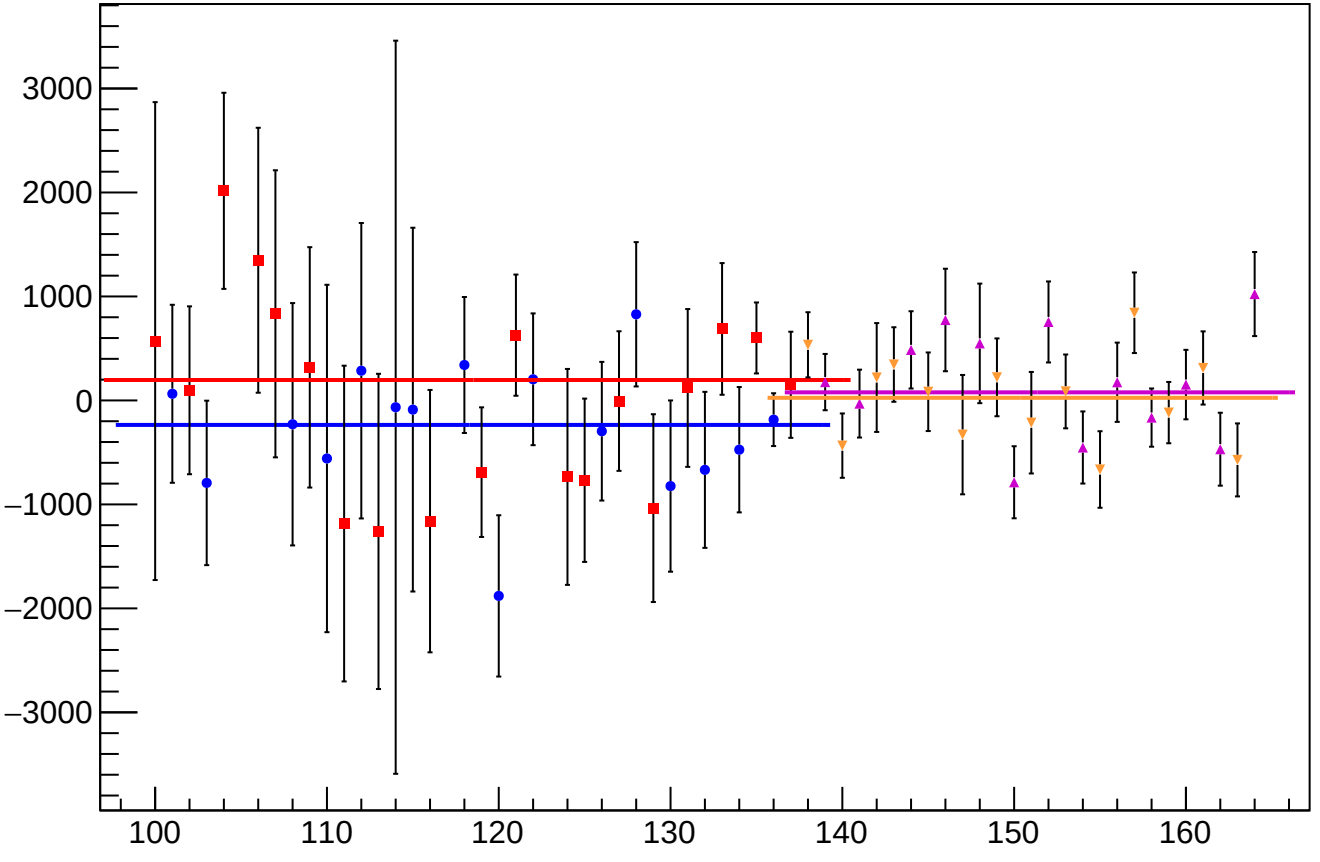
Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.682+/-0.013 χ^2/NDF: 924877.9/29

All: 79.539+/-0.009 χ^2/NDF: 1945425.8/61

- 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: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

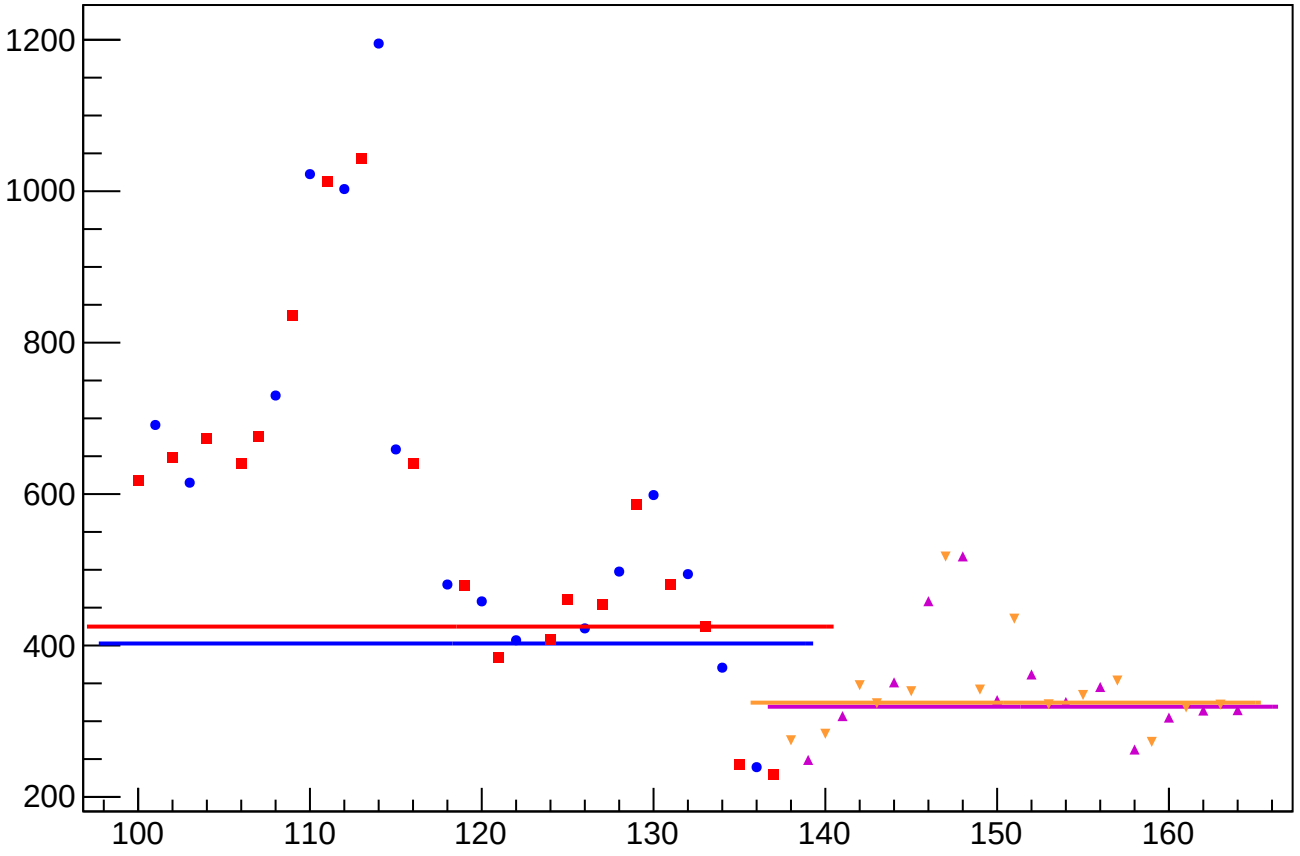
Left In: 77.791+/-98.300 χ^2/NDF:24.5/12

+ sign -43.993+/-84.397 χ^2/NDF: 30.3/29

All: 31.037+/-59.945 χ^2/NDF: 73.3/61

- 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: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

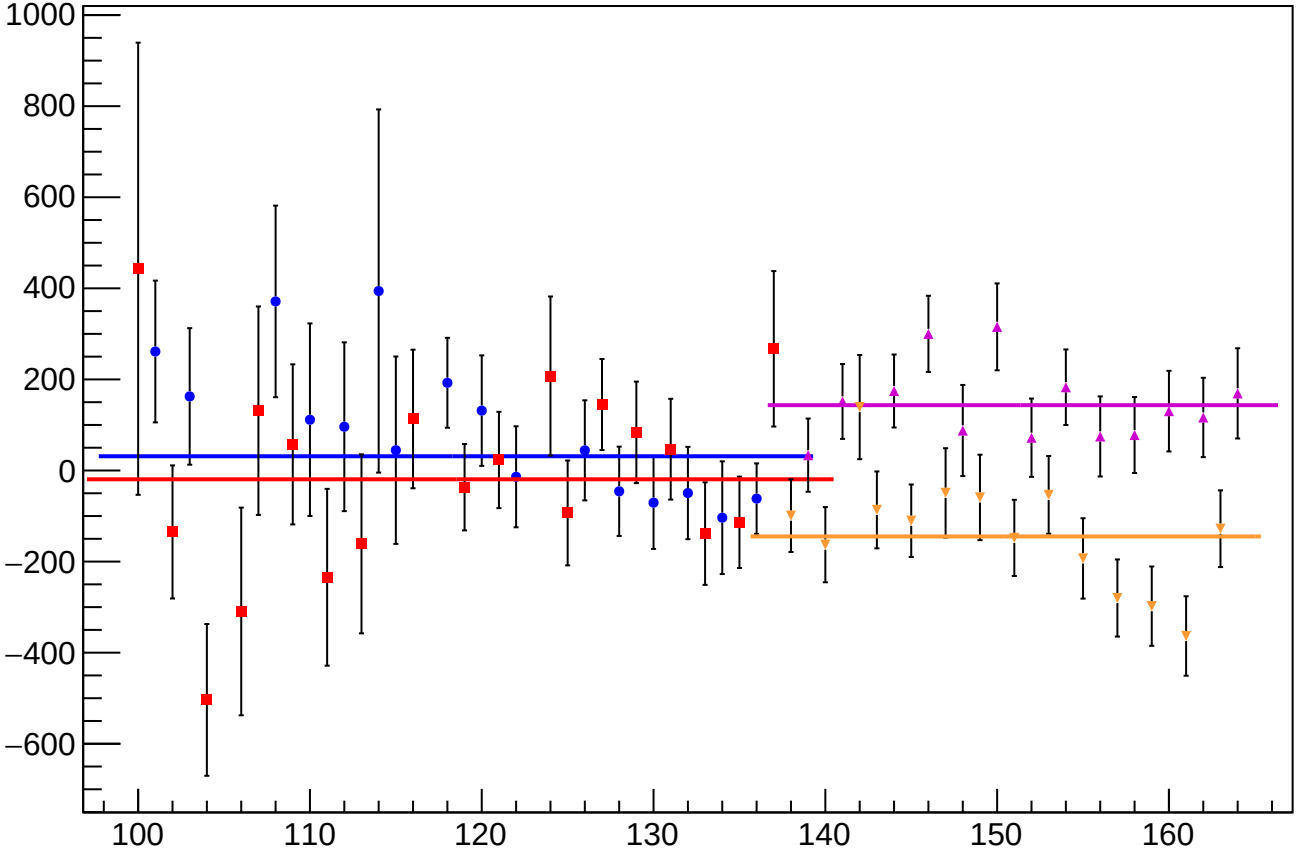
Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

+ sign 345.293+/-0.060 χ^2/NDF: 3195881.7/29

All: 345.428+/-0.042 χ^2/NDF: 6787313.0/61

- 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: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

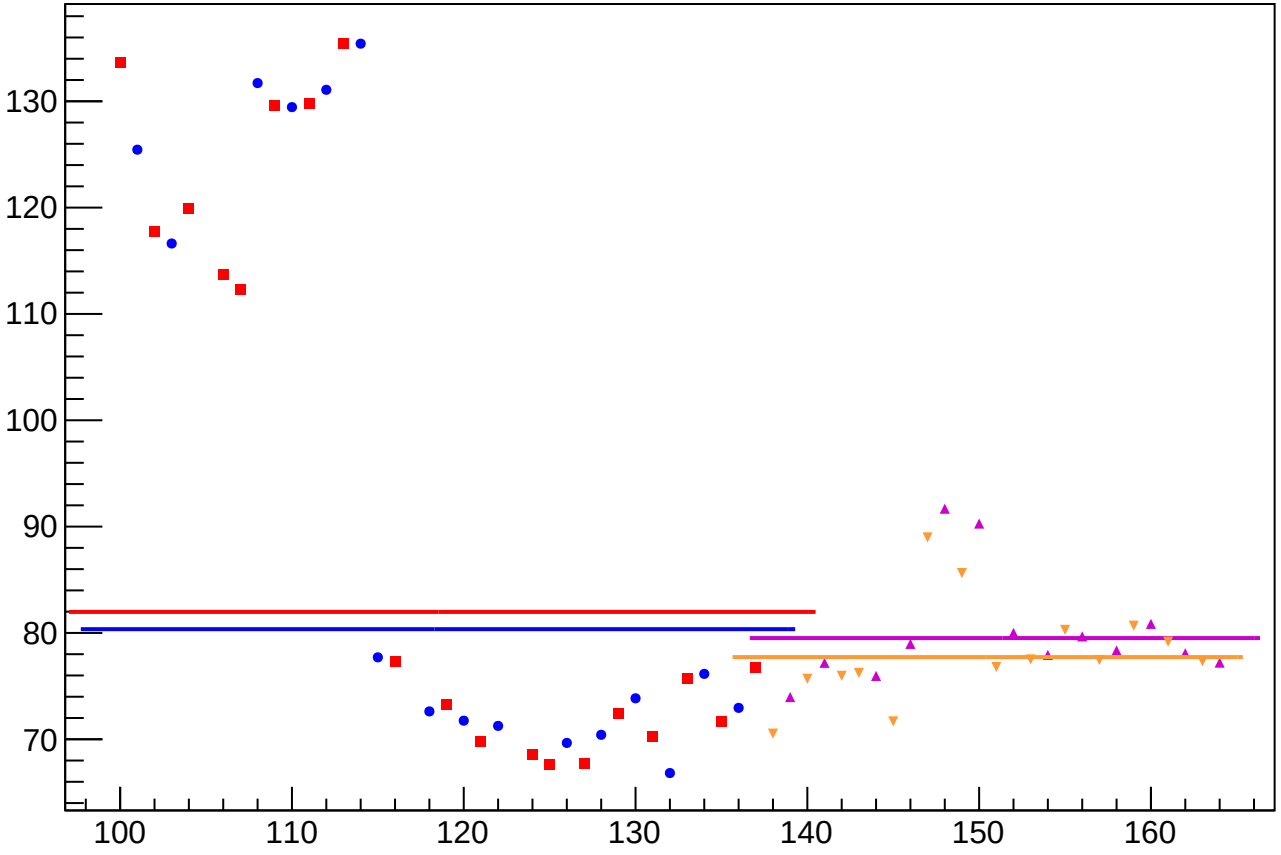
Left In: 143.436+/-24.070 χ^2/NDF:11.4/12

\+ sign -80.774+/-18.560 χ^2/NDF: 58.3/29

All: -1.219+/-13.285 χ^2/NDF: 150.2/61

\- 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: 77.727+/-0.016 χ^2/NDF:75570.3/13

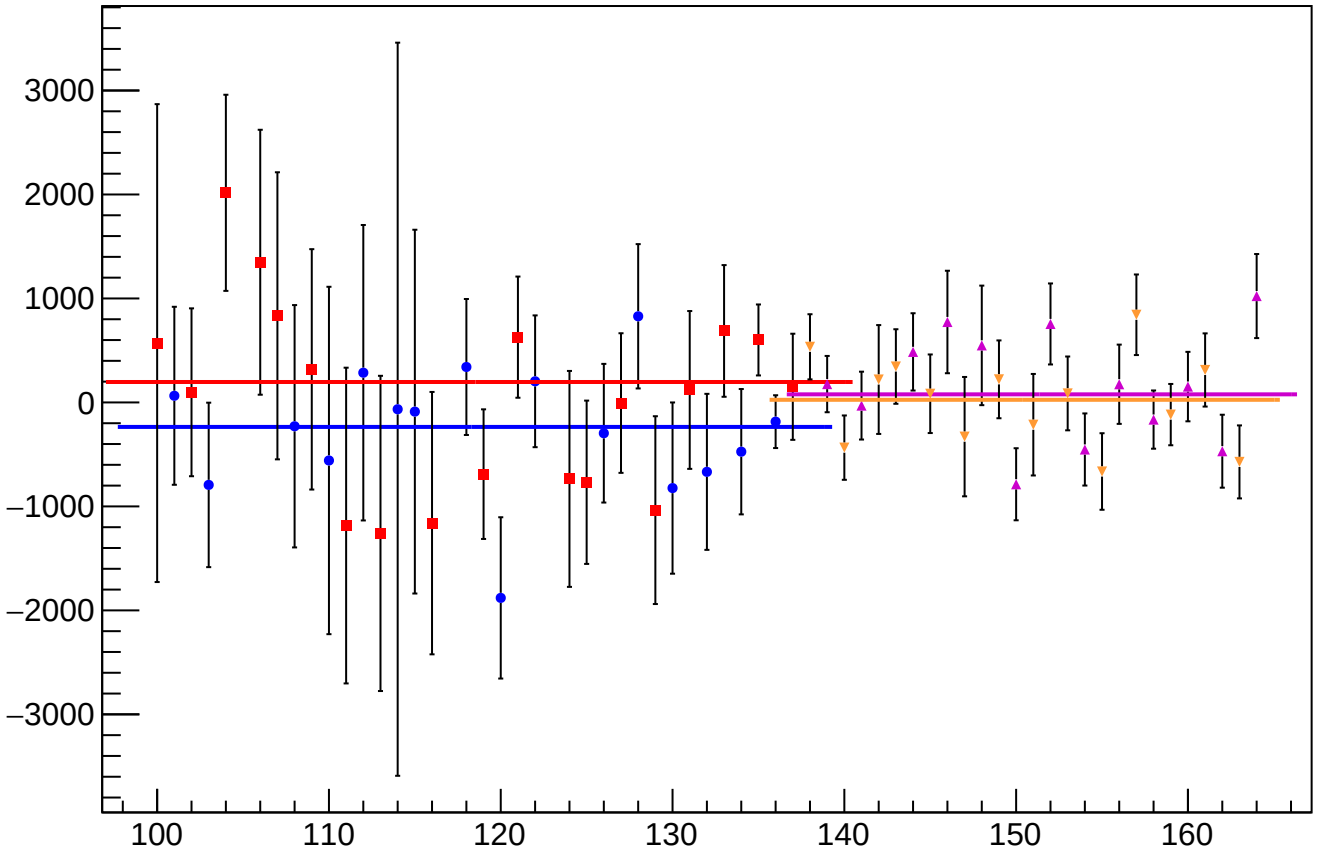
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.682+/-0.013 χ^2/NDF: 924877.9/29

All: 79.539+/-0.009 χ^2/NDF: 1945425.8/61

- sign 80.440+/-0.013 χ^2/NDF: 1011793.0/31



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

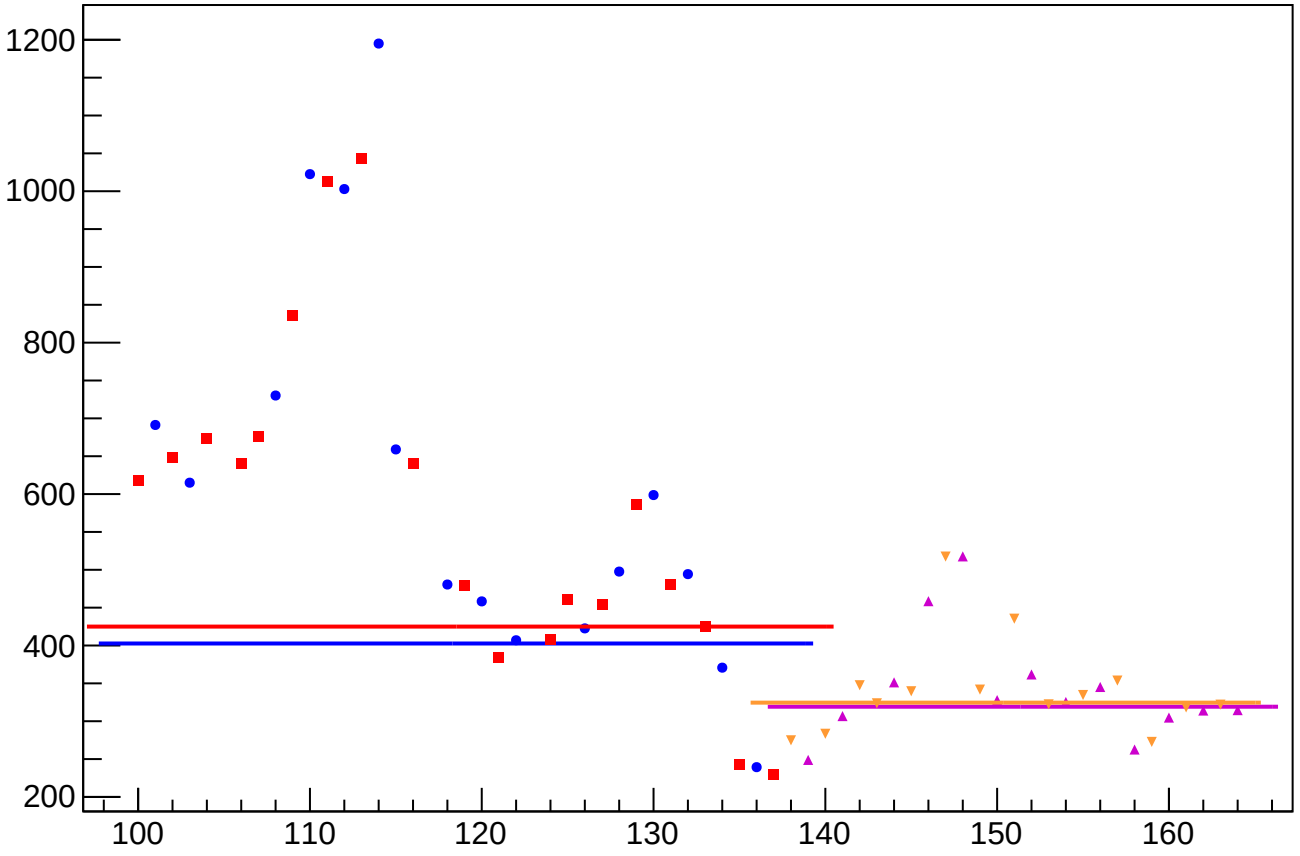
Left In: 77.791+/-98.300 χ^2/NDF:24.5/12

\+ sign -43.993+/-84.397 χ^2/NDF: 30.3/29

All: 31.037+/-59.945 χ^2/NDF: 73.3/61

\- 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: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

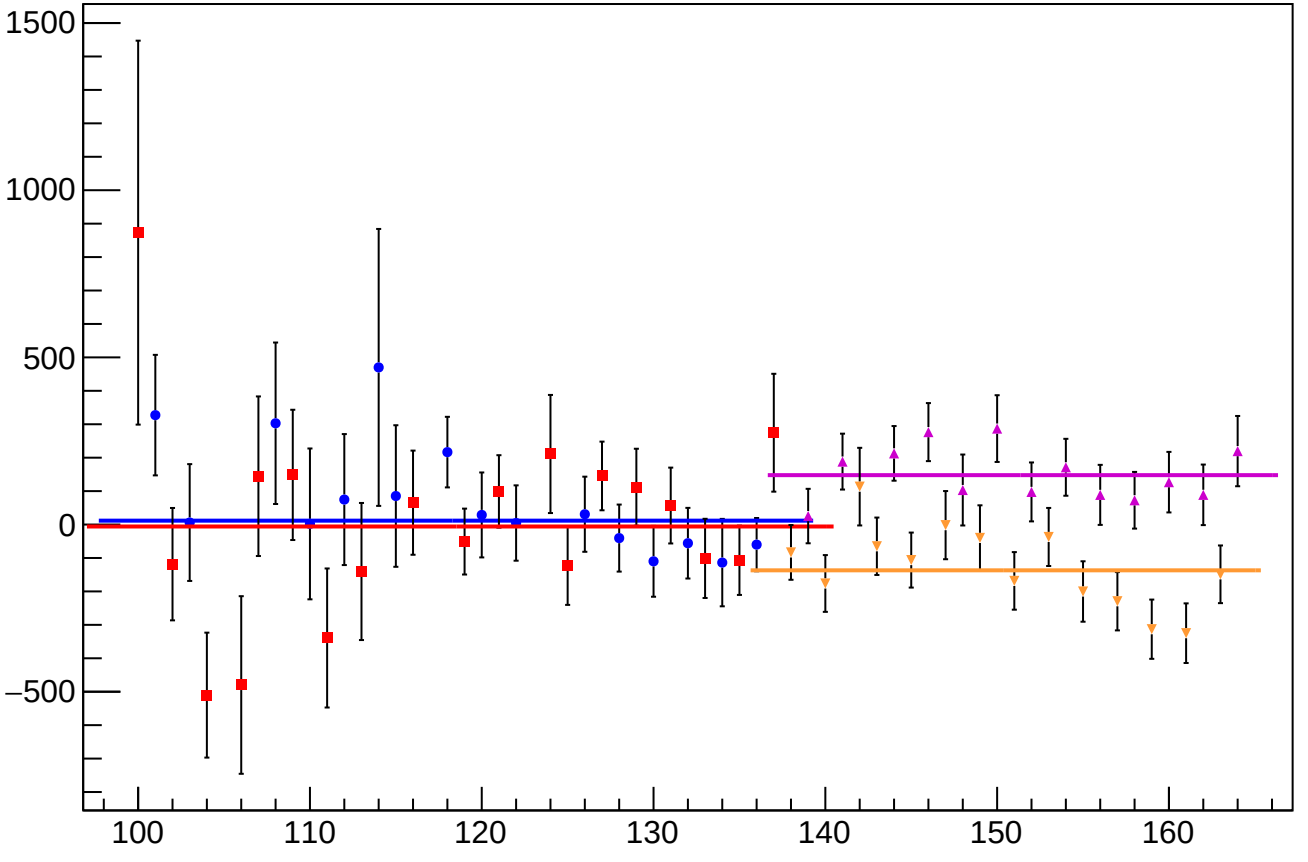
Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

+ sign 345.293+/-0.060 χ^2/NDF: 3195881.7/29

All: 345.428+/-0.042 χ^2/NDF: 6787313.0/61

- 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: -136.930+/-23.864 χ^2/NDF:20.4/13

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

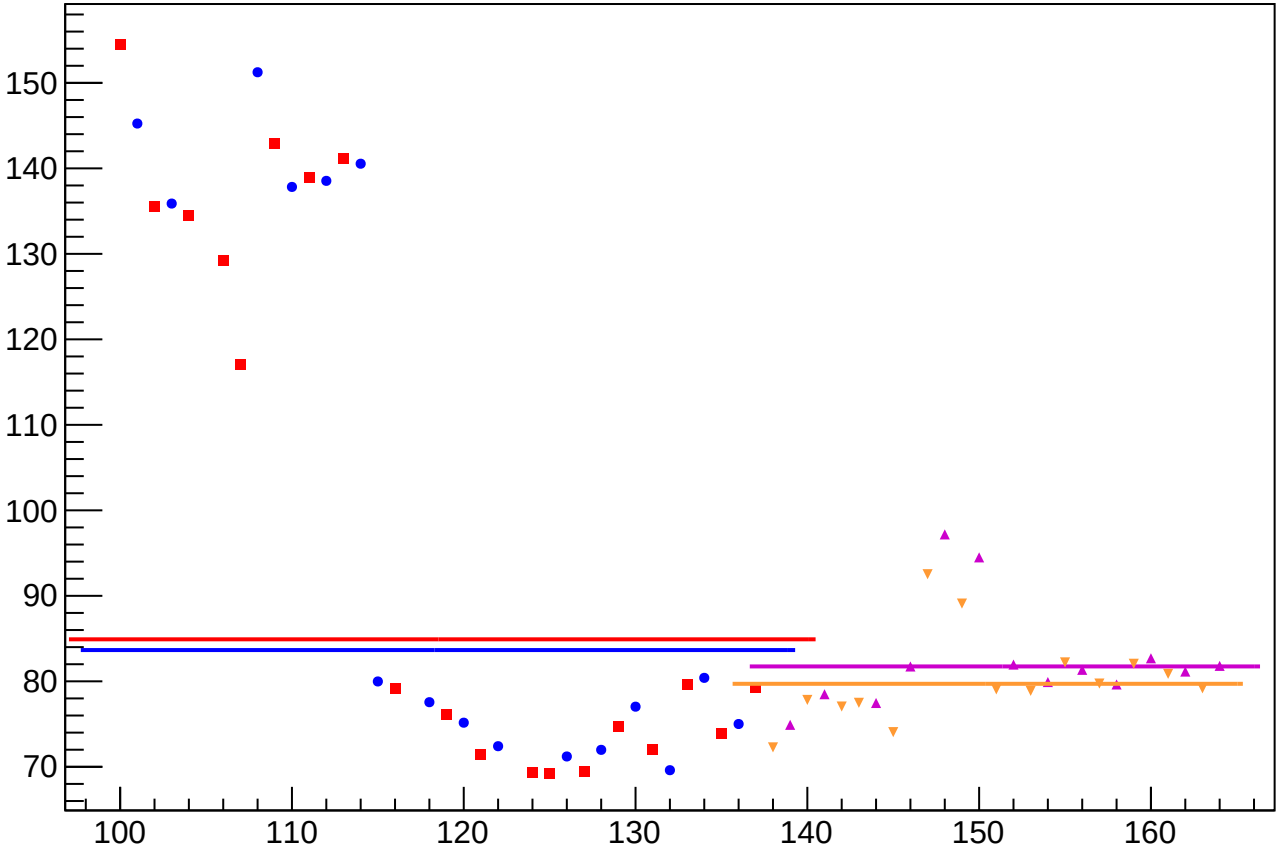
Left In: 147.761+/-24.769 χ^2/NDF:10.0/12

+ sign -84.459+/-19.193 χ^2/NDF: 47.6/29

All: 1.142+/-13.743 χ^2/NDF: 141.3/61

- 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: 79.710+/-0.017 χ^2/NDF:83116.5/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

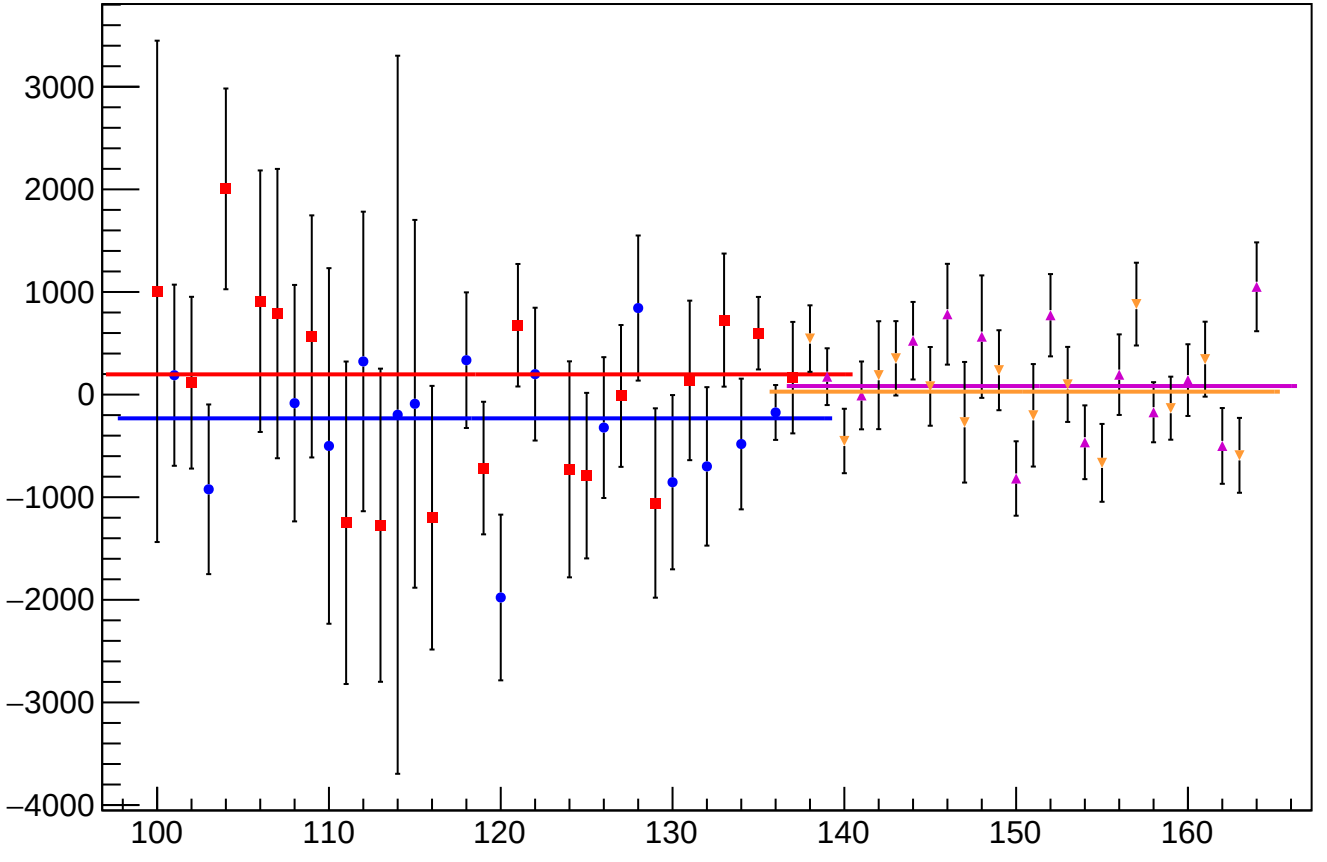
Left In: 81.742+/-0.018 χ^2/NDF:100127.3/12

+ sign 81.104+/-0.014 χ^2/NDF: 1137236.0/29

All: 81.984+/-0.010 χ^2/NDF: 2379731.6/61

- 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: 28.590+/-101.353 χ^2/NDF:18.3/13

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

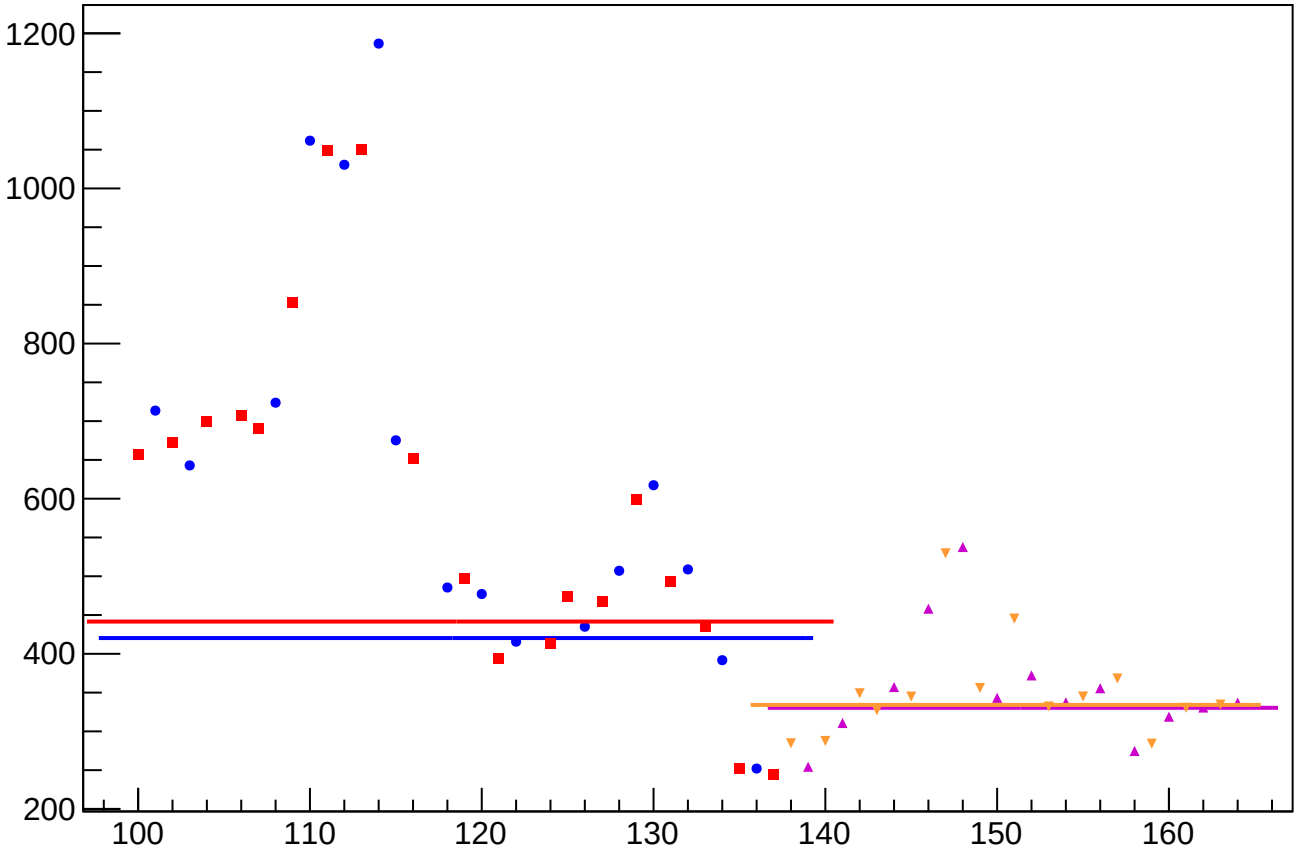
Left In: 83.450+/-101.676 χ^2/NDF:24.0/12

+ sign -39.512+/-87.073 χ^2/NDF: 30.5/29

All: 35.344+/-61.913 χ^2/NDF: 72.2/61

- 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: 334.134+/-0.072 χ^2/NDF:490362.0/13

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

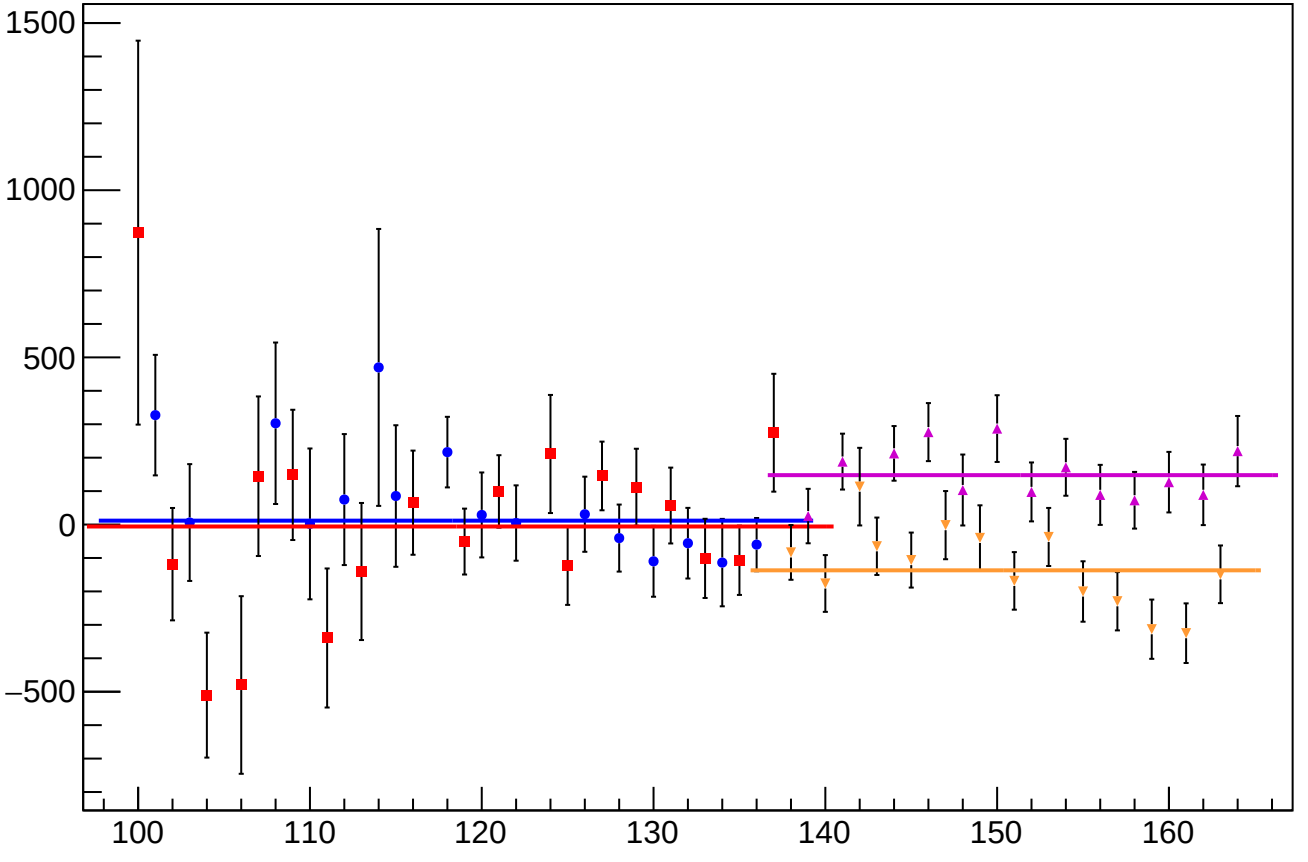
Left In: 330.386+/-0.072 χ^2/NDF:652904.4/12

+ sign 356.711+/-0.062 χ^2/NDF: 3123866.8/29

All: 357.444+/-0.044 χ^2/NDF: 6682911.9/61

- 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: -136.929+/-23.864 χ^2/NDF:20.4/13

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

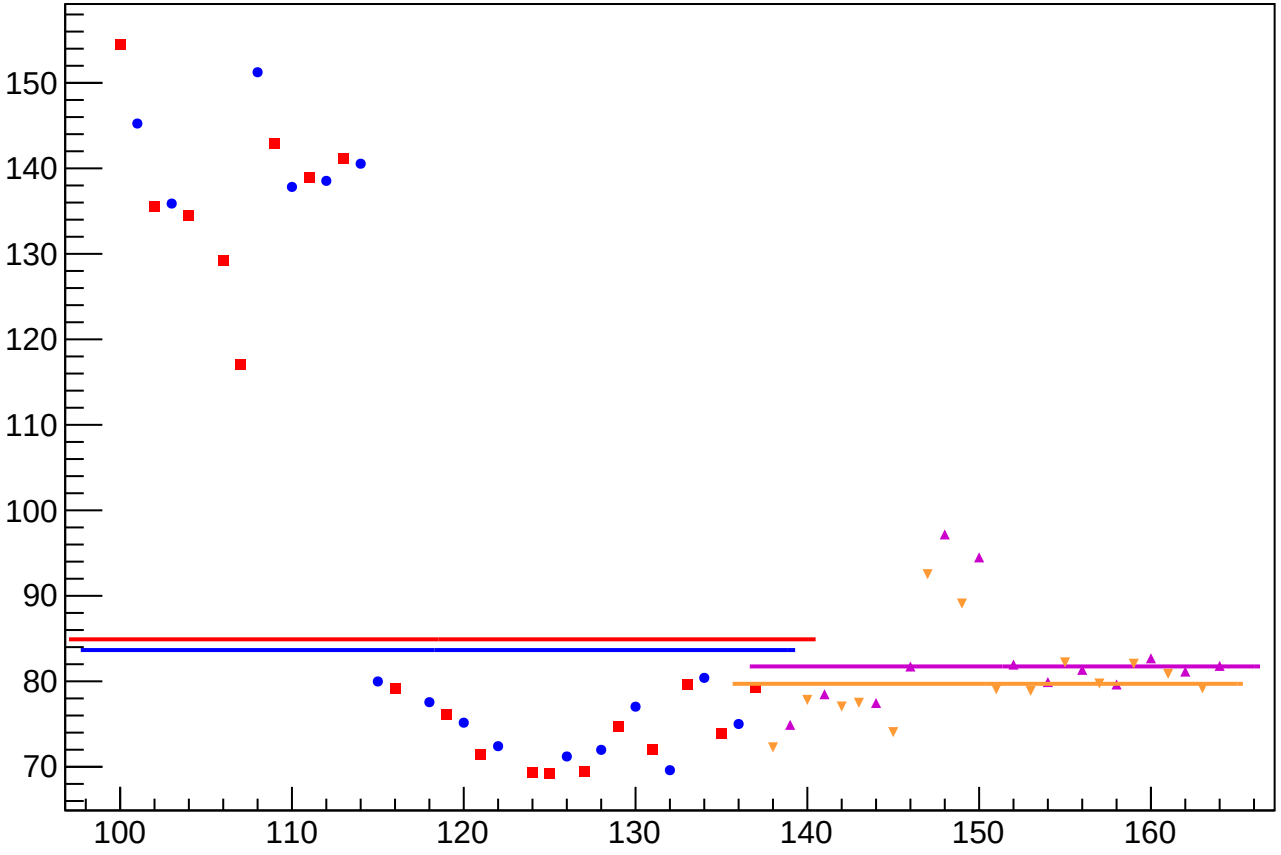
Left In: 147.762+/-24.769 χ^2/NDF:10.0/12

+ sign -84.459+/-19.193 χ^2/NDF: 47.6/29

All: 1.143+/-13.743 χ^2/NDF: 141.3/61

- 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: 79.710+/-0.017 χ^2/NDF:83116.0/13

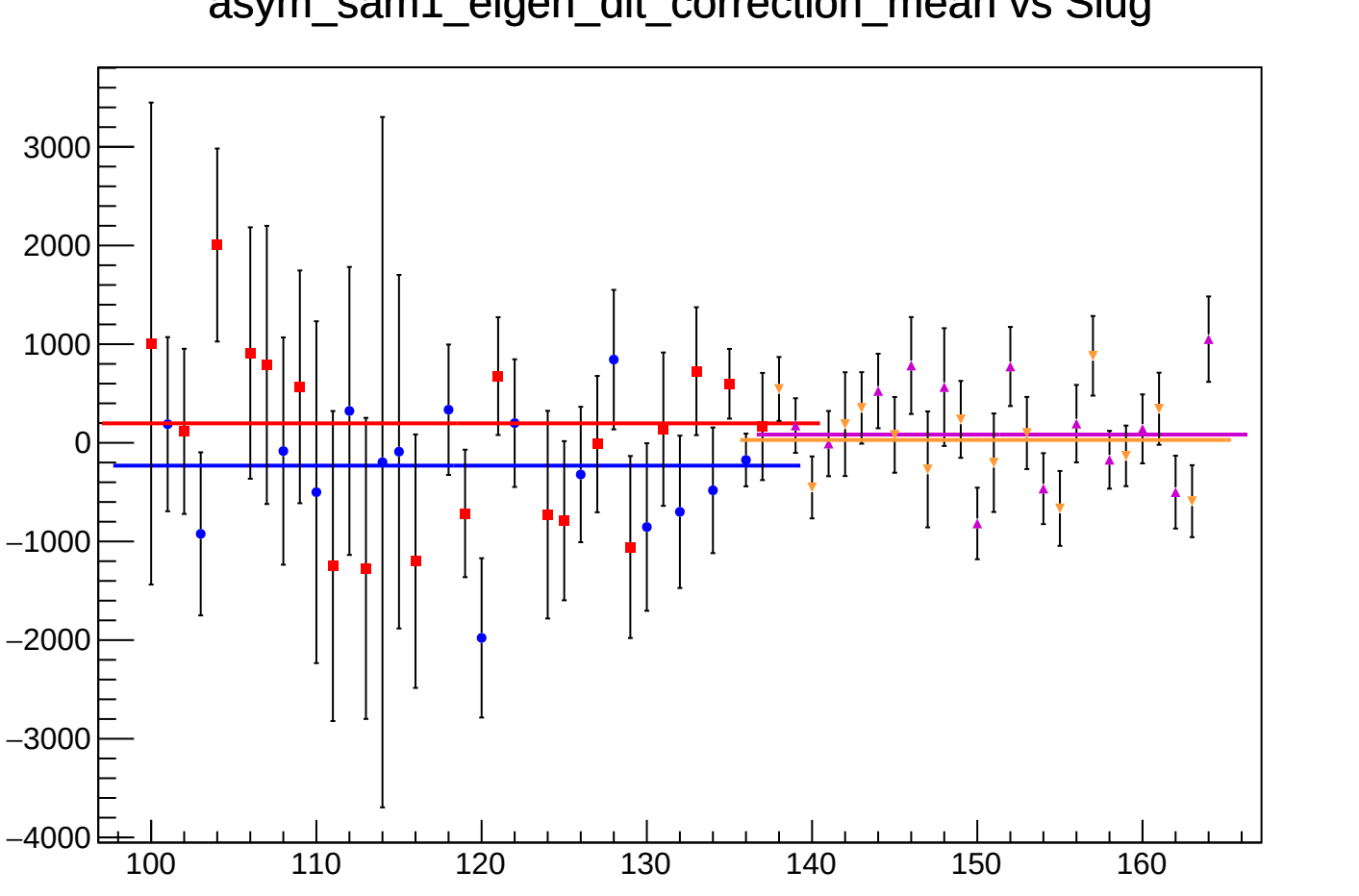
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.742+/-0.018 χ^2/NDF:100126.5/12

+ sign 81.104+/-0.014 χ^2/NDF: 1137234.4/29

All: 81.984+/-0.010 χ^2/NDF: 2379727.6/61

- sign 82.910+/-0.014 χ^2/NDF: 1233864.0/31



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 28.591+/-101.353 χ^2/NDF:18.3/13

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

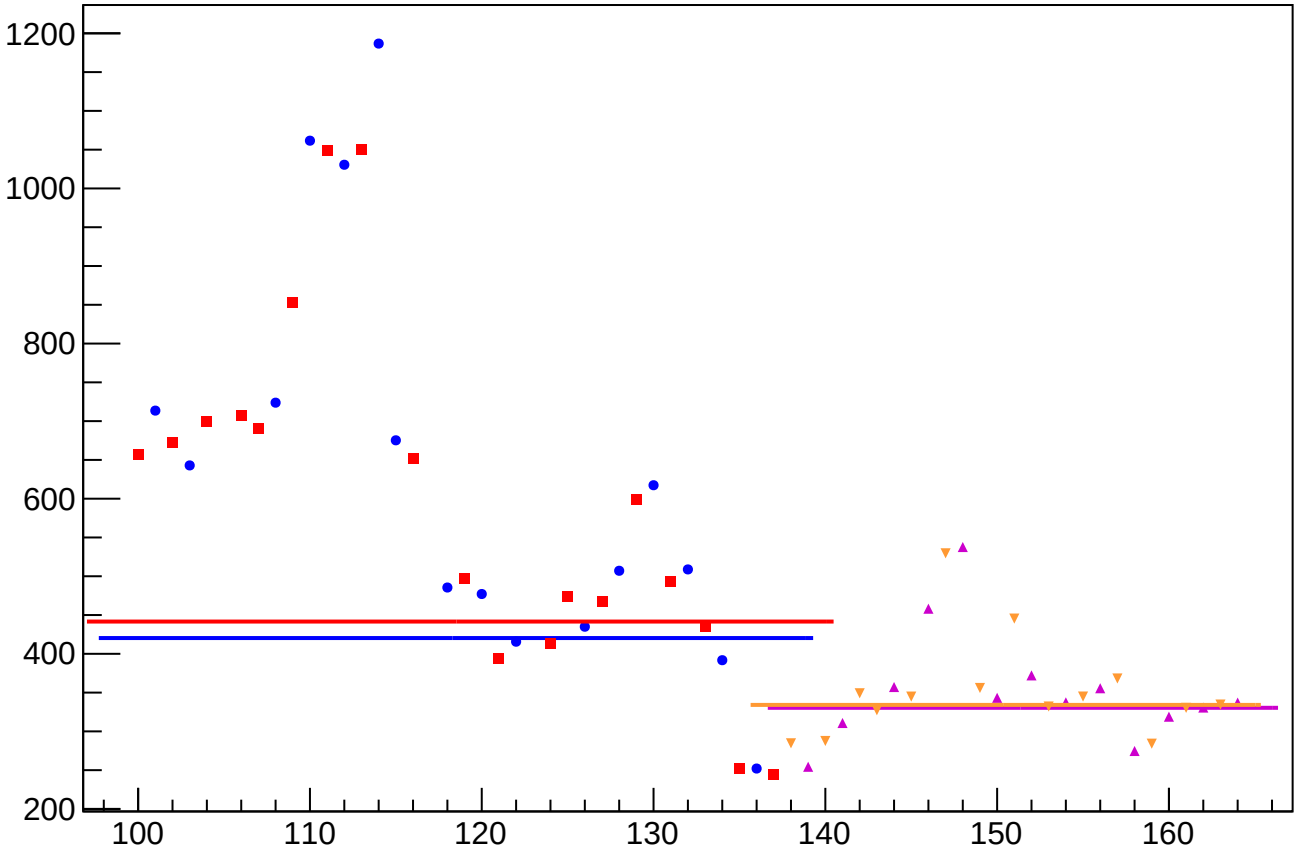
Left In: 83.450+/-101.676 χ^2/NDF:24.0/12

+ sign -39.511+/-87.073 χ^2/NDF: 30.5/29

All: 35.345+/-61.913 χ^2/NDF: 72.2/61

- 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: 334.134+/-0.072 χ^2/NDF:490362.4/13

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

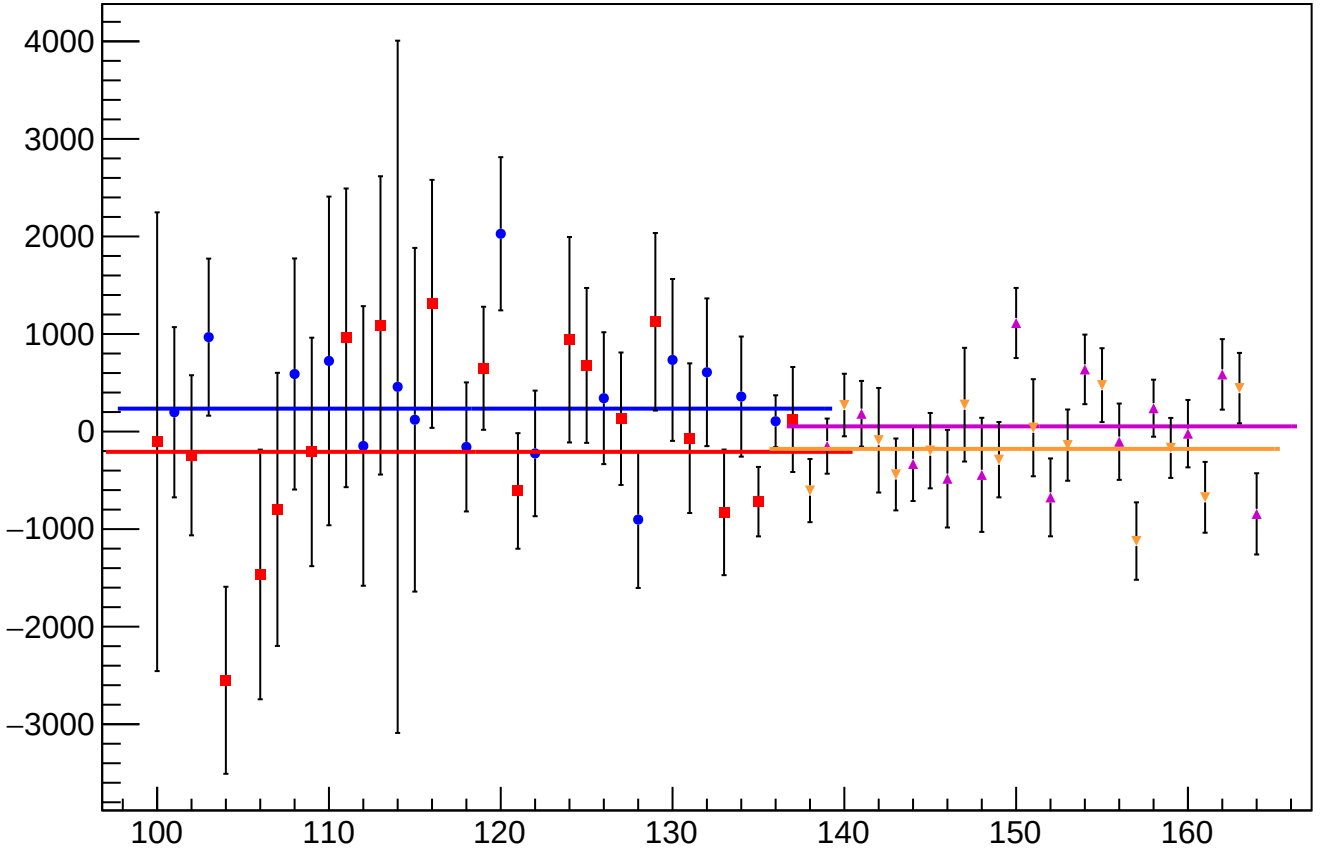
Left In: 330.386+/-0.072 χ^2/NDF:652906.1/12

+ sign 356.711+/-0.062 χ^2/NDF: 3123868.1/29

All: 357.444+/-0.044 χ^2/NDF: 6682915.5/61

- 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: -177.654+/-101.451 χ^2/NDF:18.6/13

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

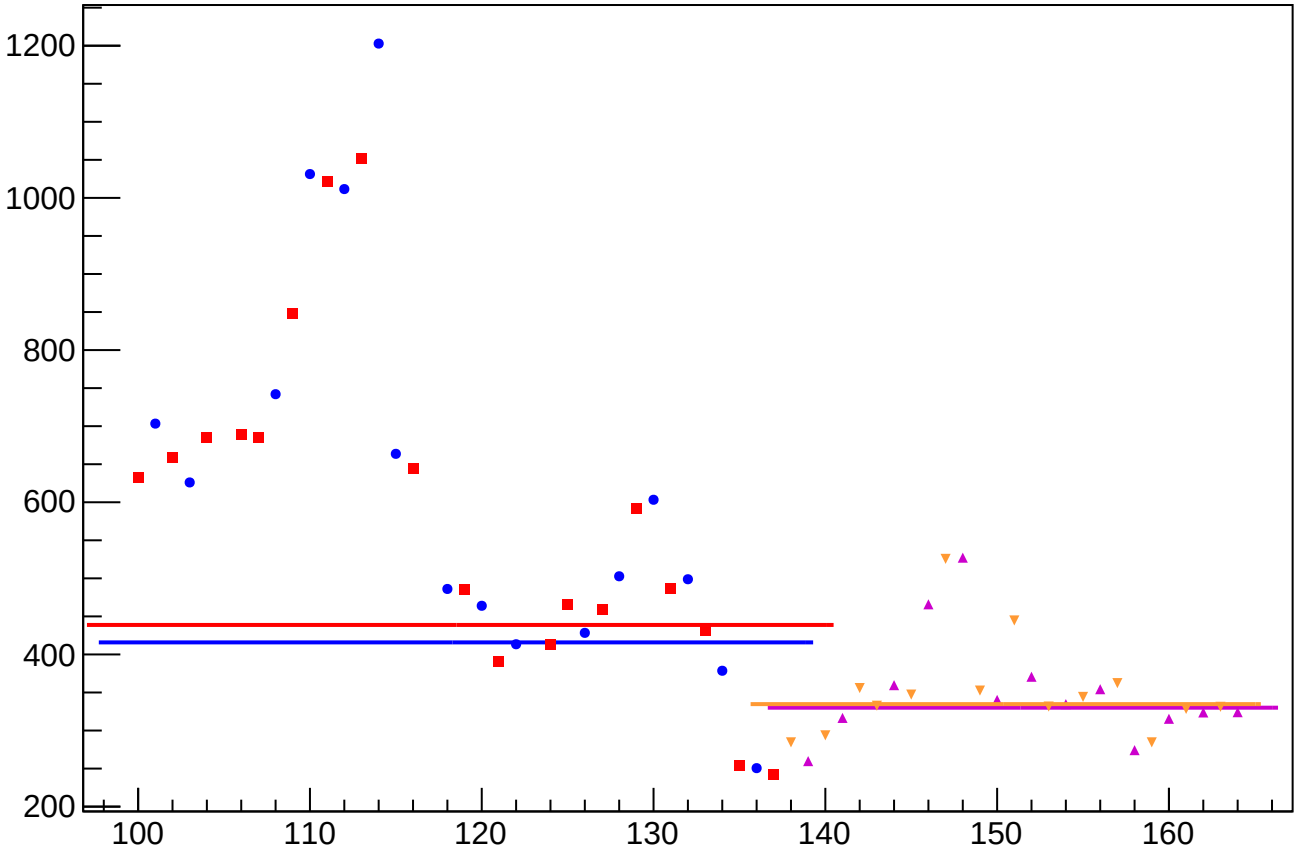
Left In: 53.286+/-101.497 χ^2/NDF:25.7/12

+ sign -67.562+/-86.872 χ^2/NDF: 33.7/29

All: -40.374+/-61.740 χ^2/NDF: 81.7/61

- 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: 334.719+/-0.072 χ^2/NDF:467865.2/13

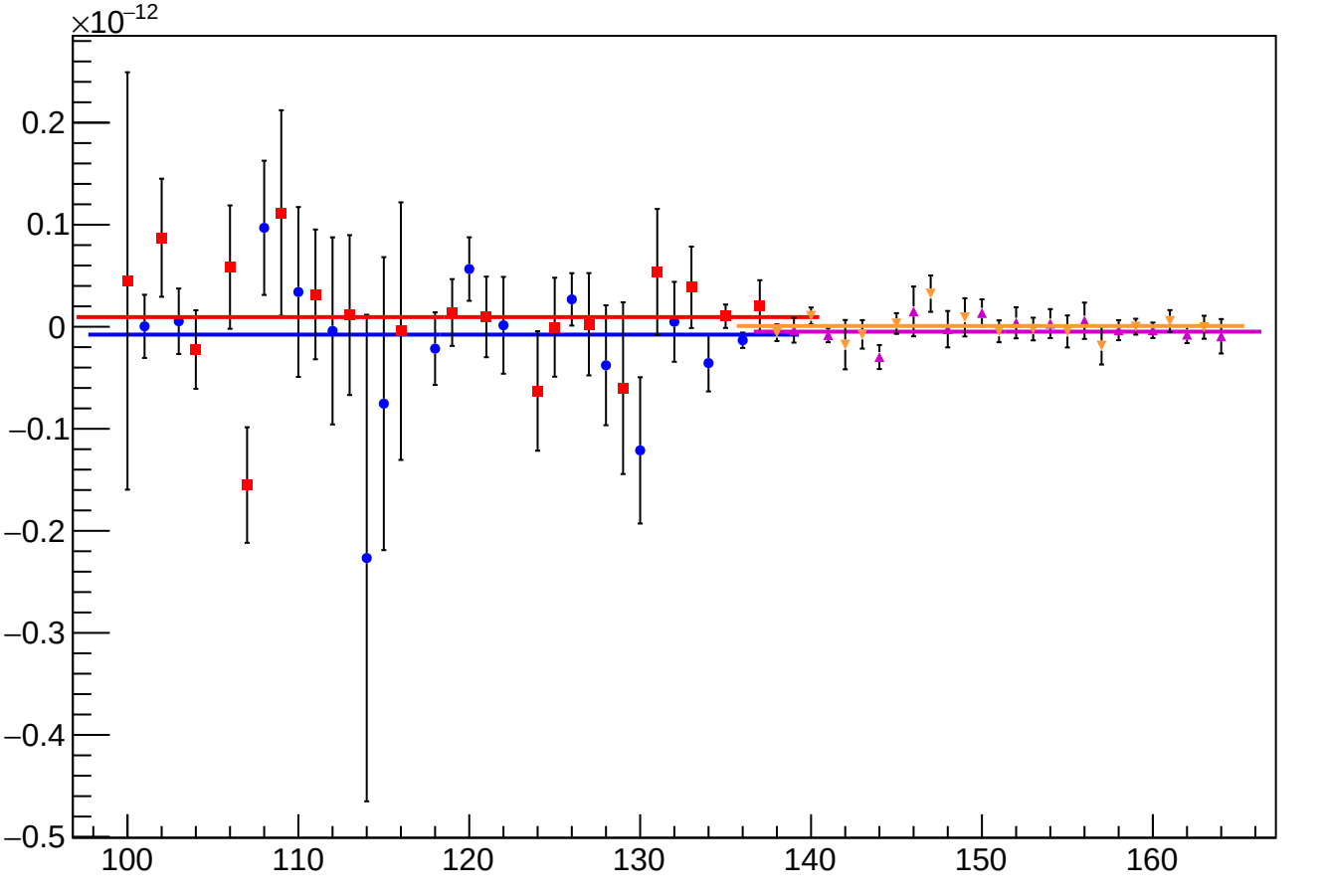
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 330.023+/-0.072 χ^2/NDF:621391.7/12

+ sign 356.358+/-0.061 χ^2/NDF: 3032927.5/29

All: 356.905+/-0.044 χ^2/NDF: 6468602.7/61

- 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:8.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

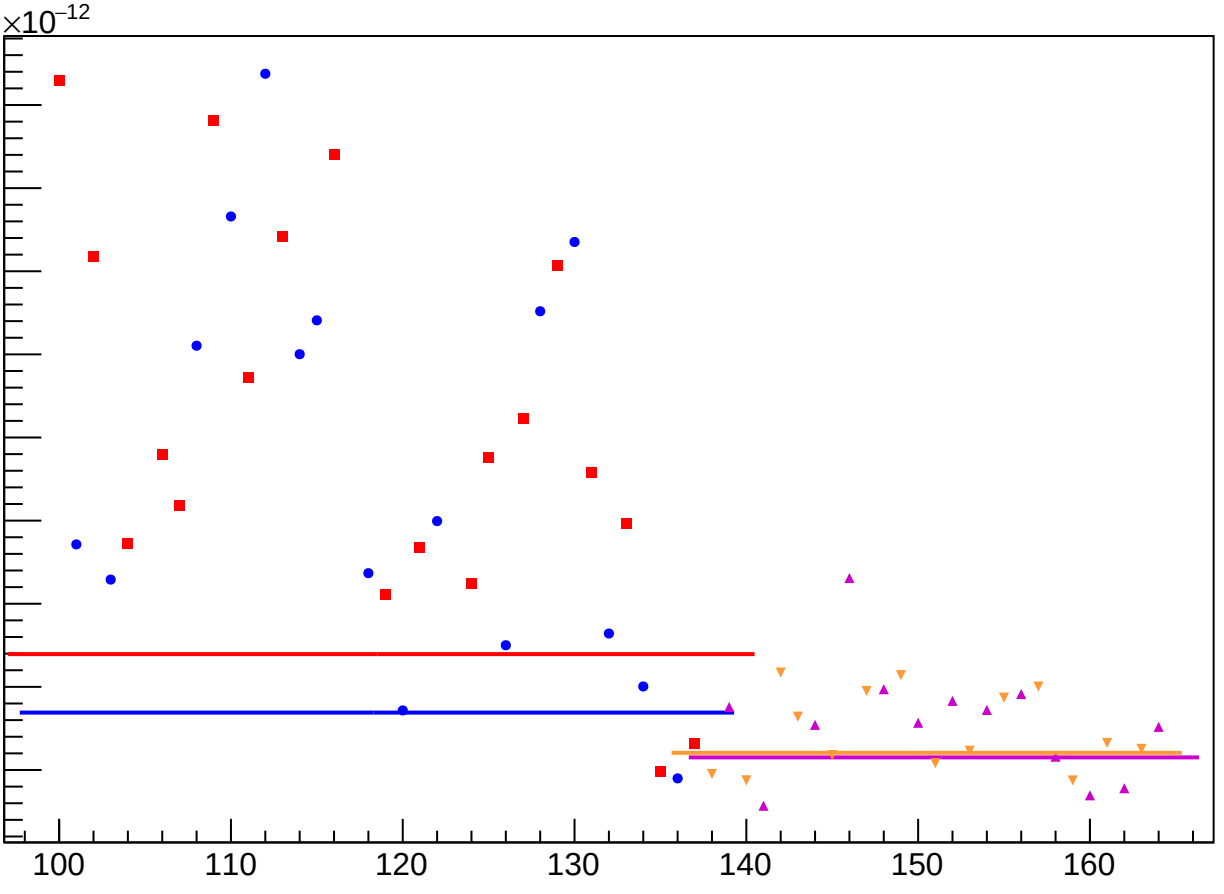
Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: -0.000+/-0.000 χ^2/NDF: 52.2/61

- 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:756072.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

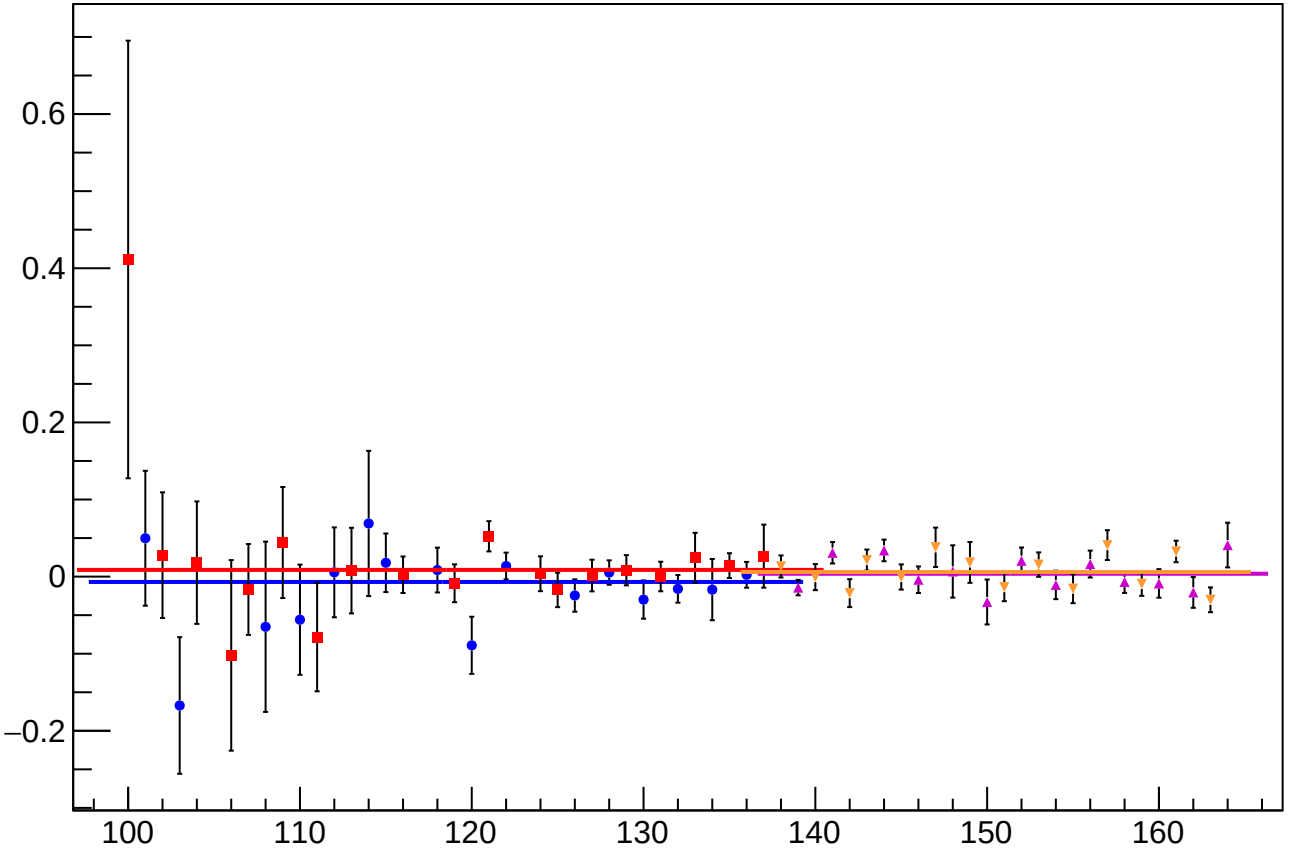
Left In: 0.000+/-0.000 χ^2/NDF:1645476.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 3760381.9/29

All: 0.000+/-0.000 χ^2/NDF: 9179252.8/61

- 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: 0.006+/-0.005 χ^2/NDF:21.7/13

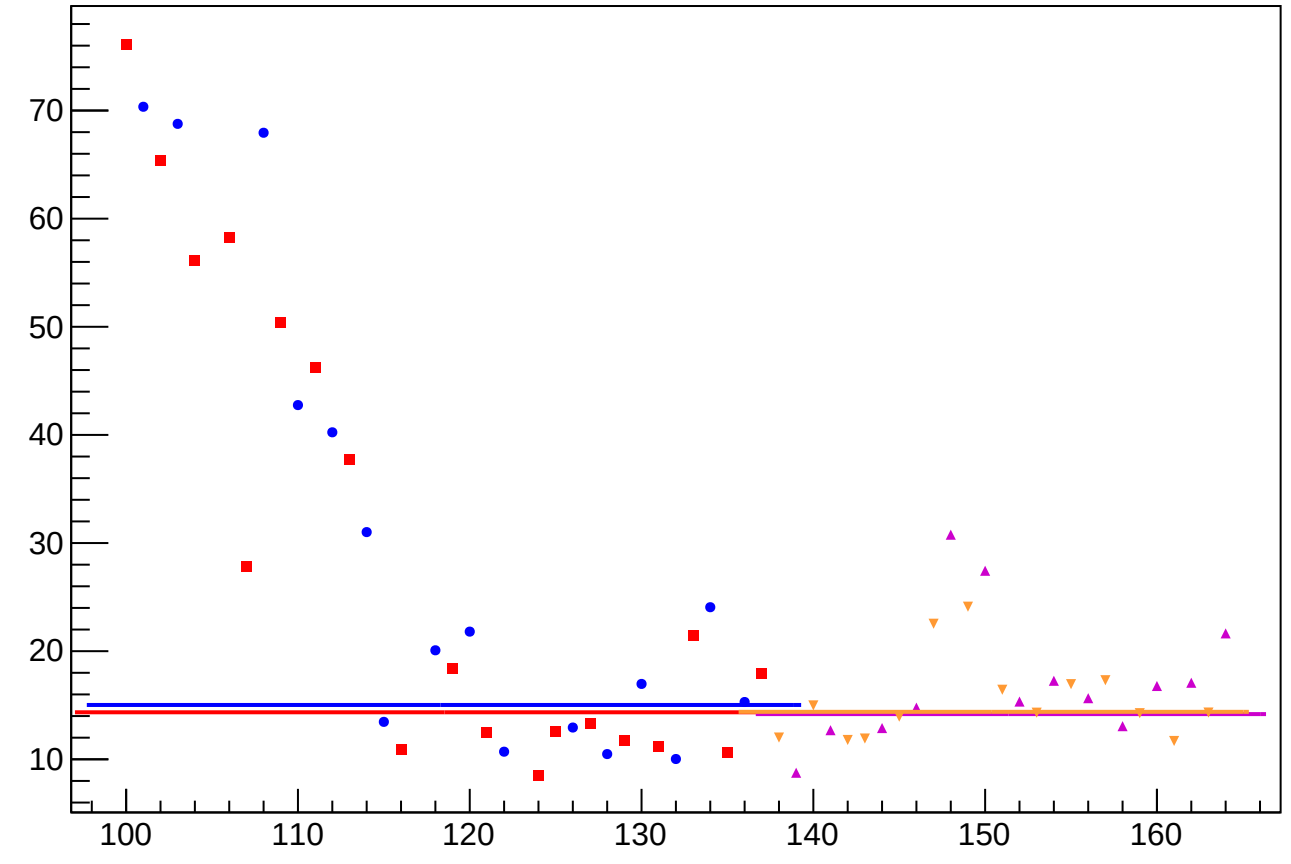
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.004+/-0.003 χ^2/NDF: 72.3/61

- sign 0.005+/-0.004 χ^2/NDF: 32.8/31



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

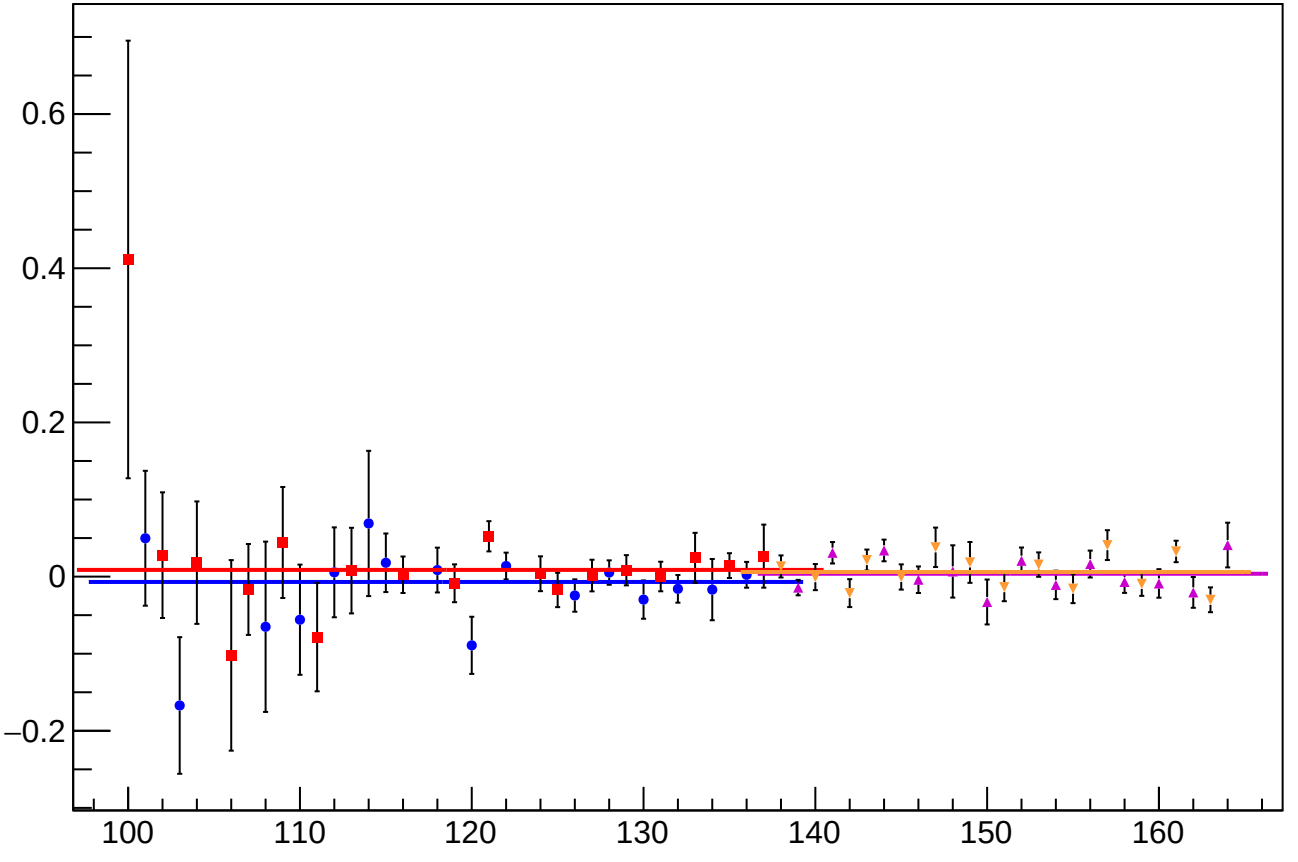
Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

+ sign 14.587+/-0.003 χ^2/NDF: 4272173.8/29

All: 14.413+/-0.002 χ^2/NDF: 9734590.8/61

- 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: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

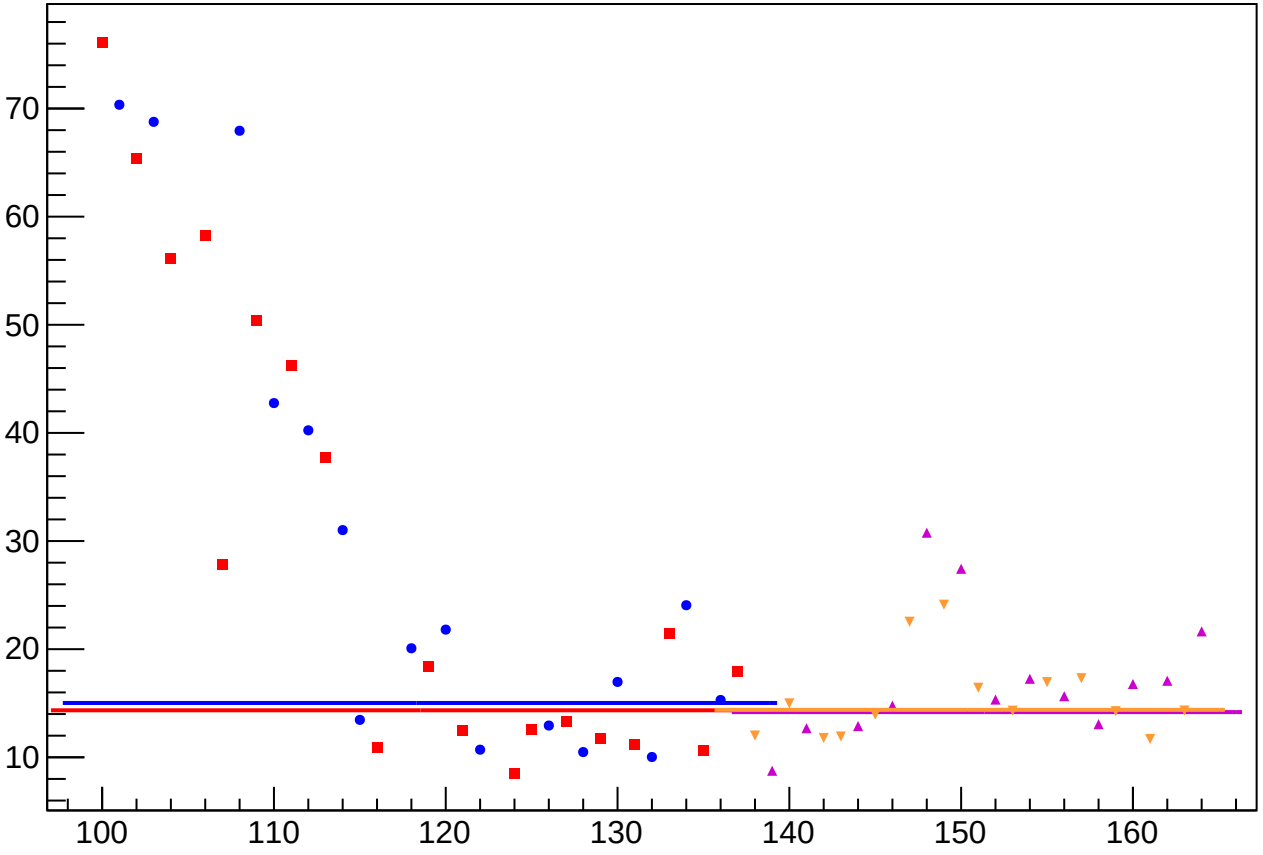
Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.004+/-0.003 χ^2/NDF: 72.3/61

- 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: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

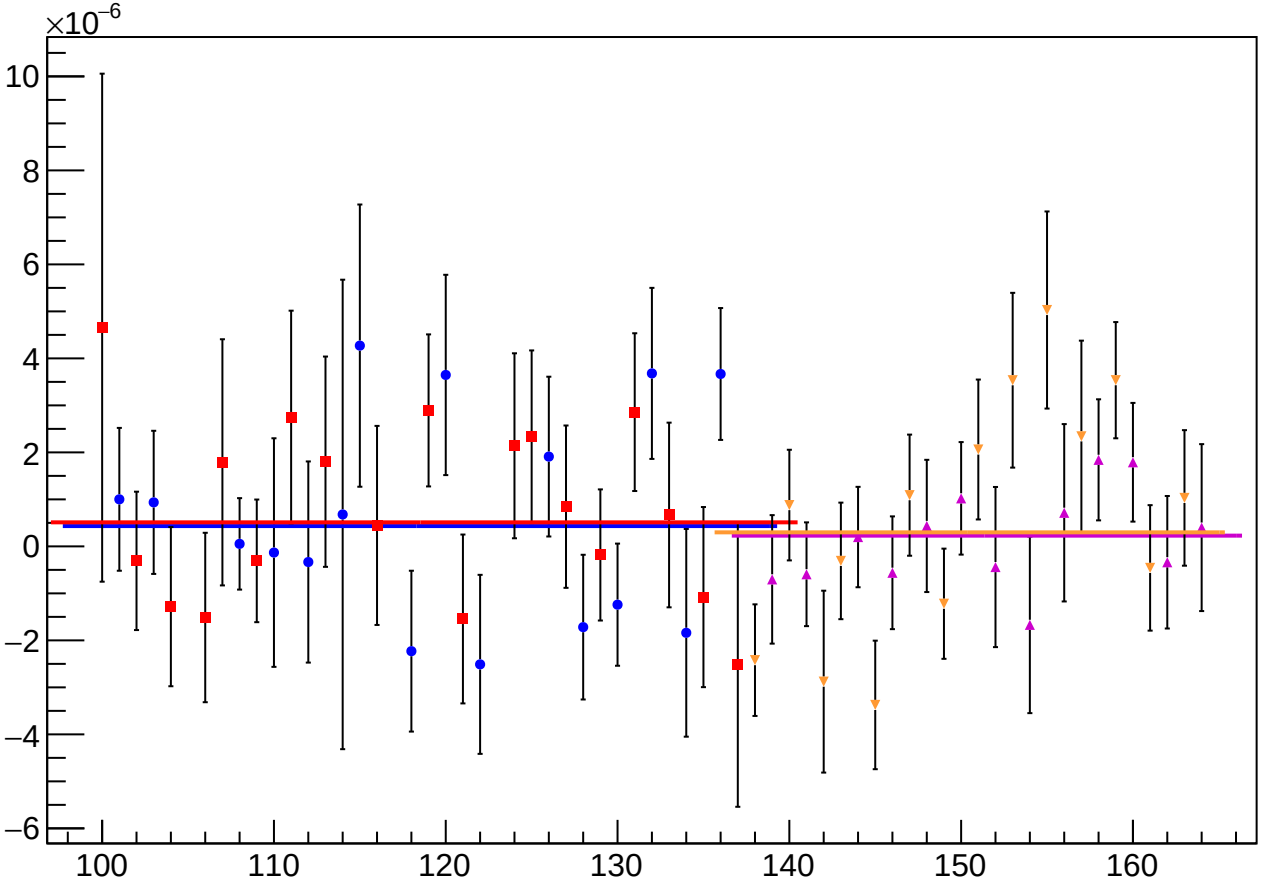
Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

\+ sign 14.587+/-0.003 χ^2/NDF: 4272173.8/29

All: 14.413+/-0.002 χ^2/NDF: 9734590.8/61

\- sign 14.238+/-0.003 χ^2/NDF: 5453746.4/31

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/13

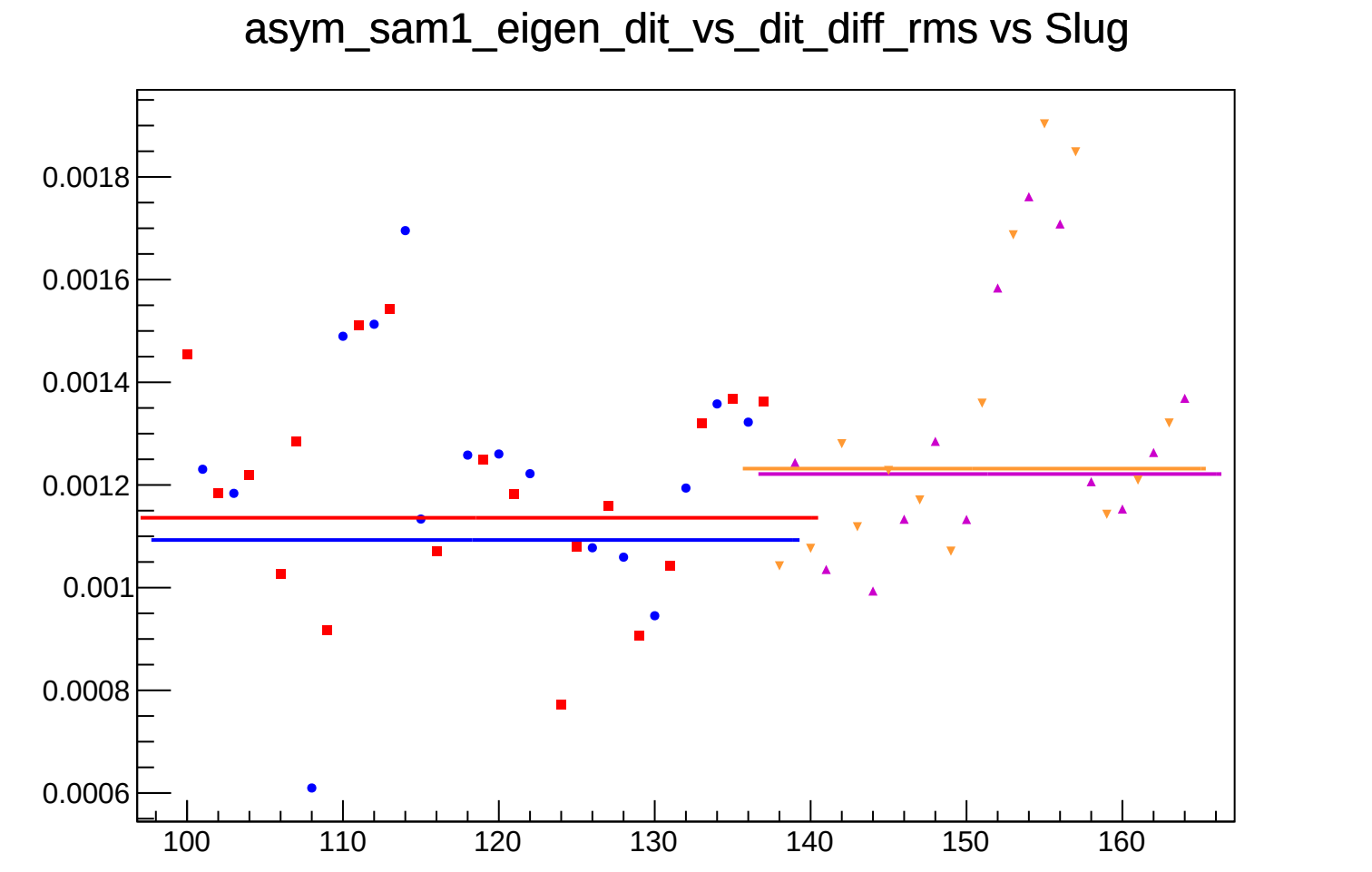
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/29

All: 0.000+/-0.000 χ^2/NDF: 79.9/61

- sign 0.000+/-0.000 χ^2/NDF: 21.0/31



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:687660.7/13

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

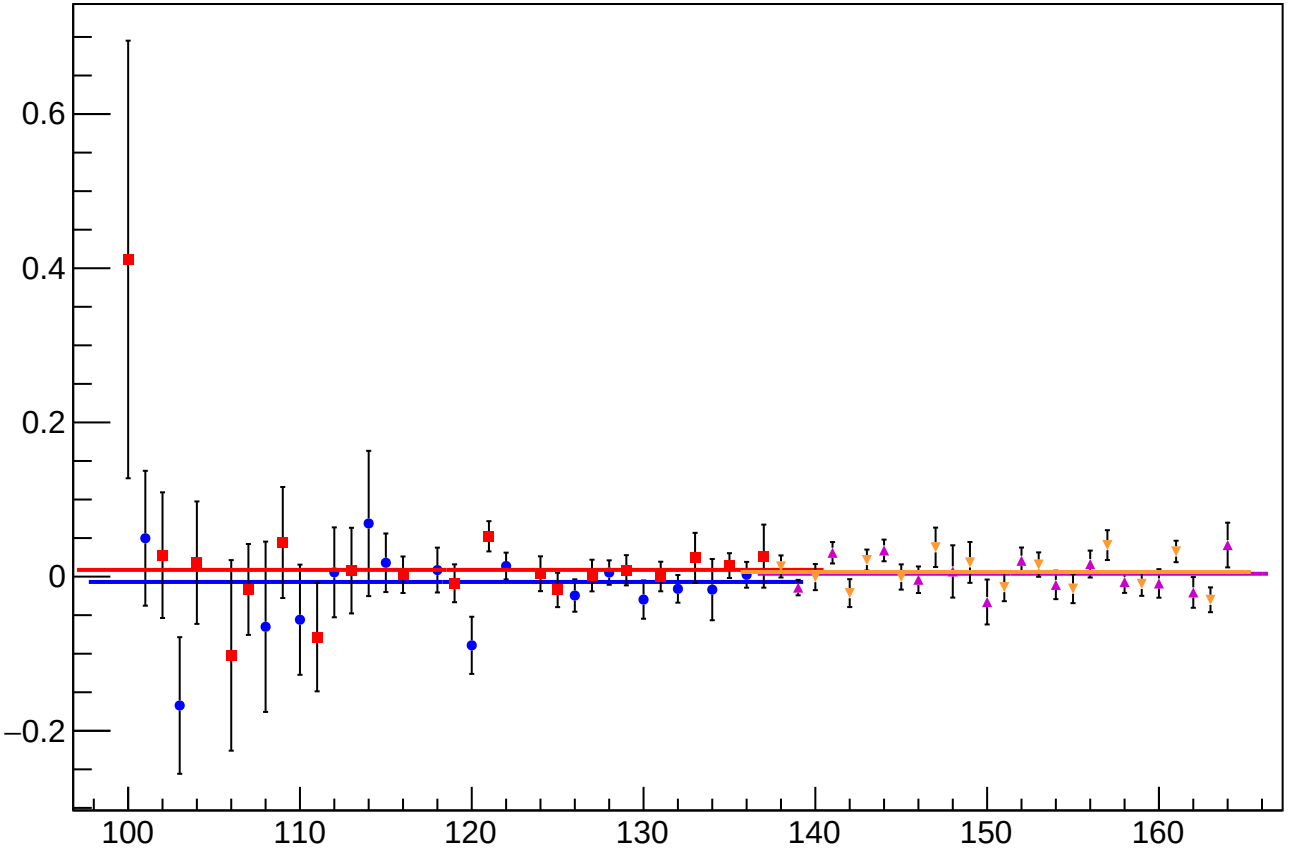
Left In: 0.001+/-0.000 χ^2/NDF:584801.8/12

+ sign 0.001+/-0.000 χ^2/NDF: 1641549.2/29

All: 0.001+/-0.000 χ^2/NDF: 2681348.7/61

- 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: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

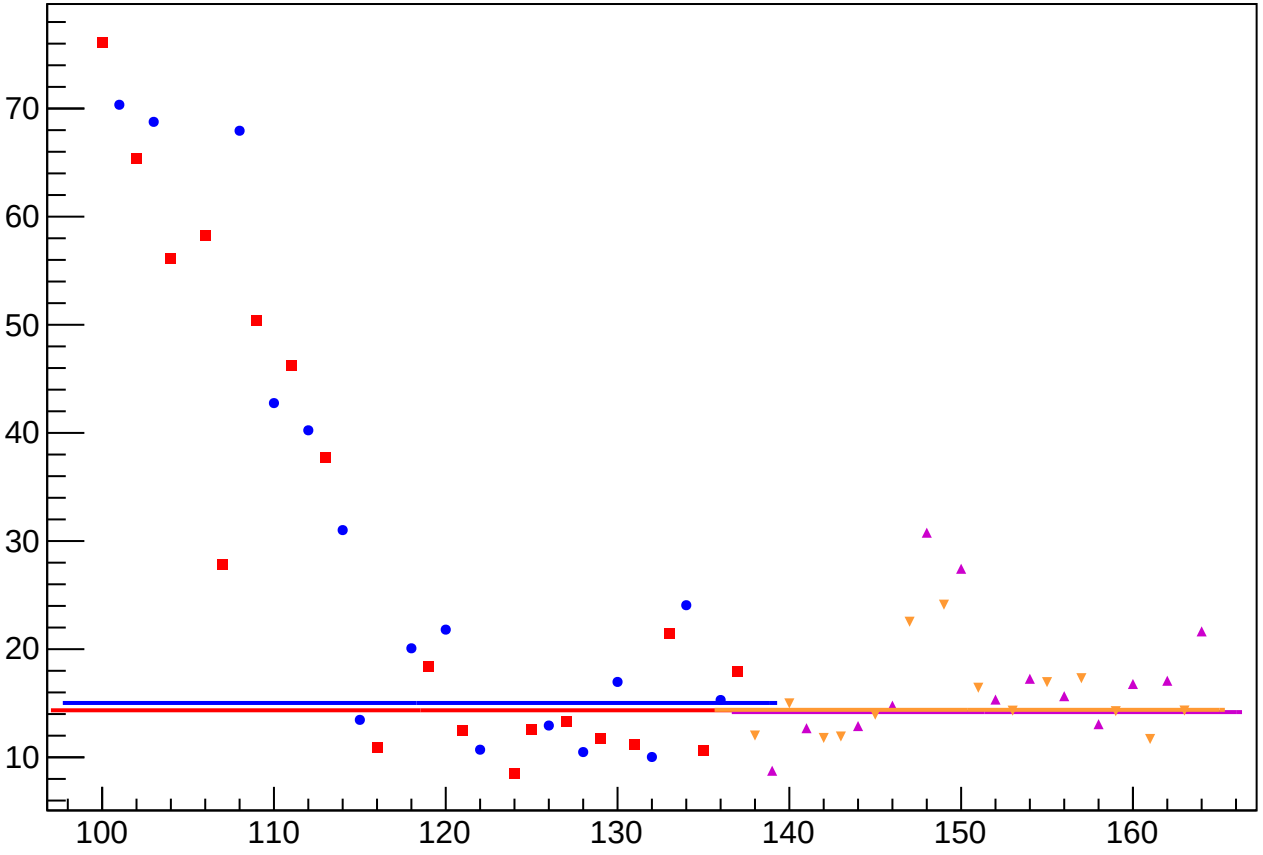
Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.004+/-0.003 χ^2/NDF: 72.3/61

- 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: 14.390+/-0.003 χ^2/NDF:821680.1/13

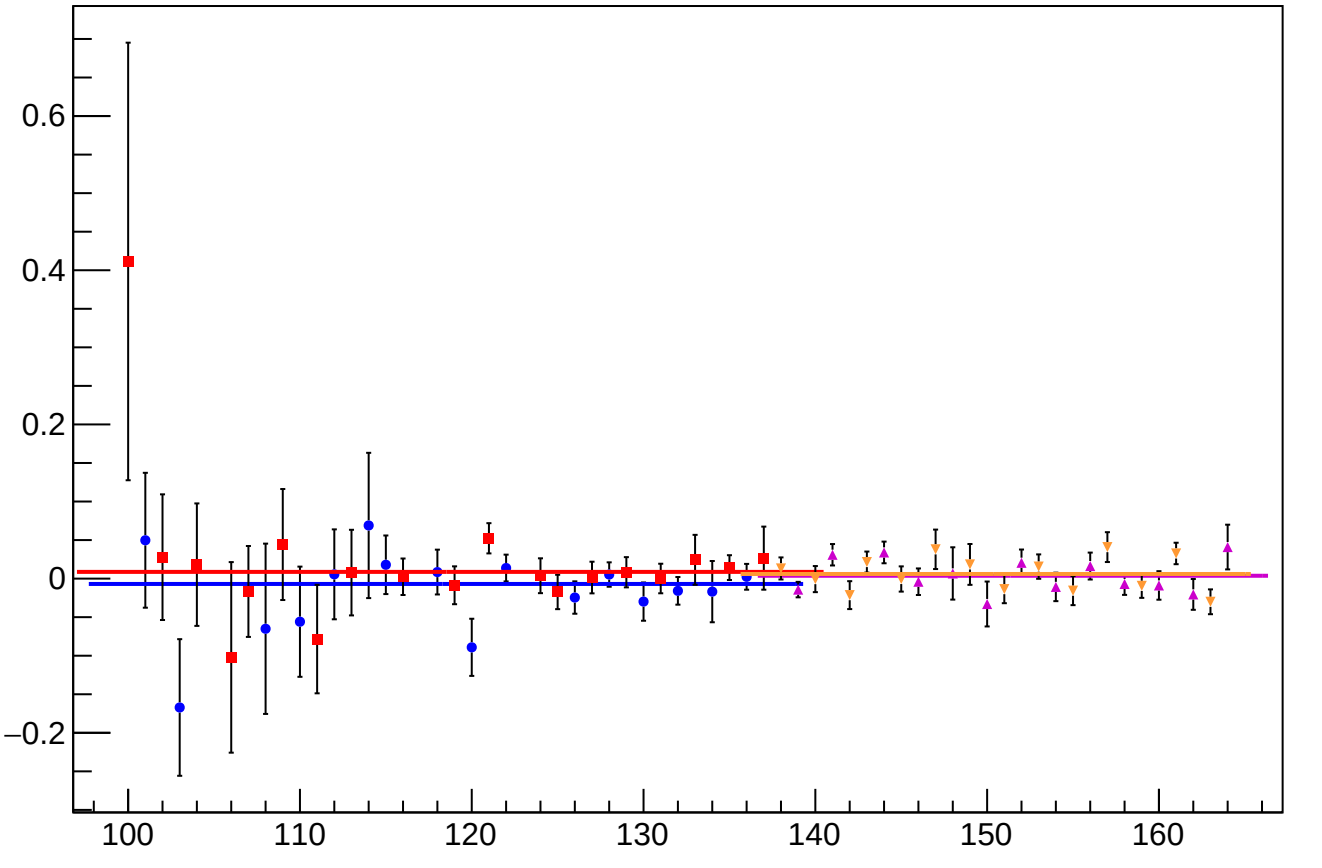
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

+ sign 14.587+/-0.003 χ^2/NDF: 4272236.0/29

All: 14.413+/-0.002 χ^2/NDF: 9734693.8/61

- 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: 0.006+/-0.005 χ^2/NDF:21.7/13

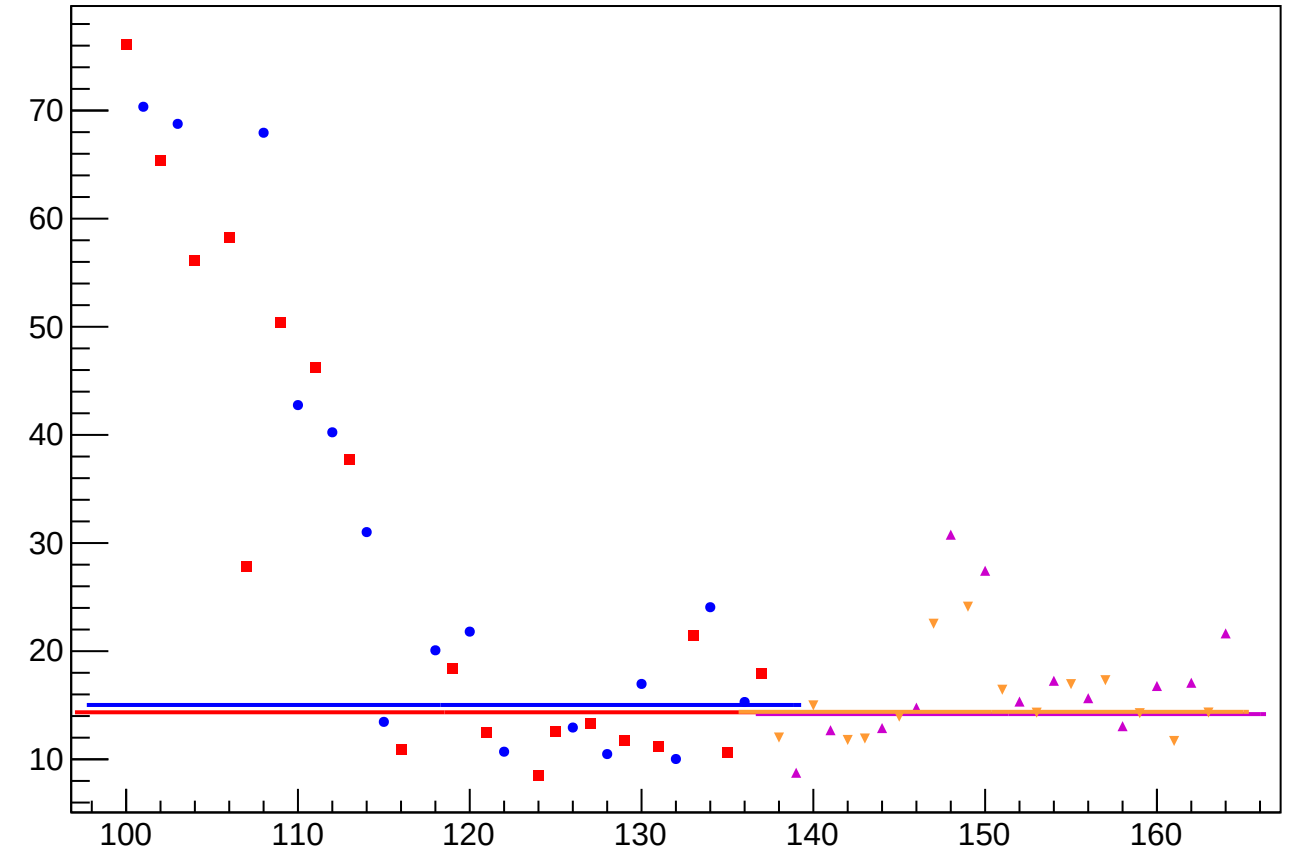
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.004+/-0.003 χ^2/NDF: 72.3/61

- 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: 14.390+/-0.003 χ^2/NDF:821680.1/13

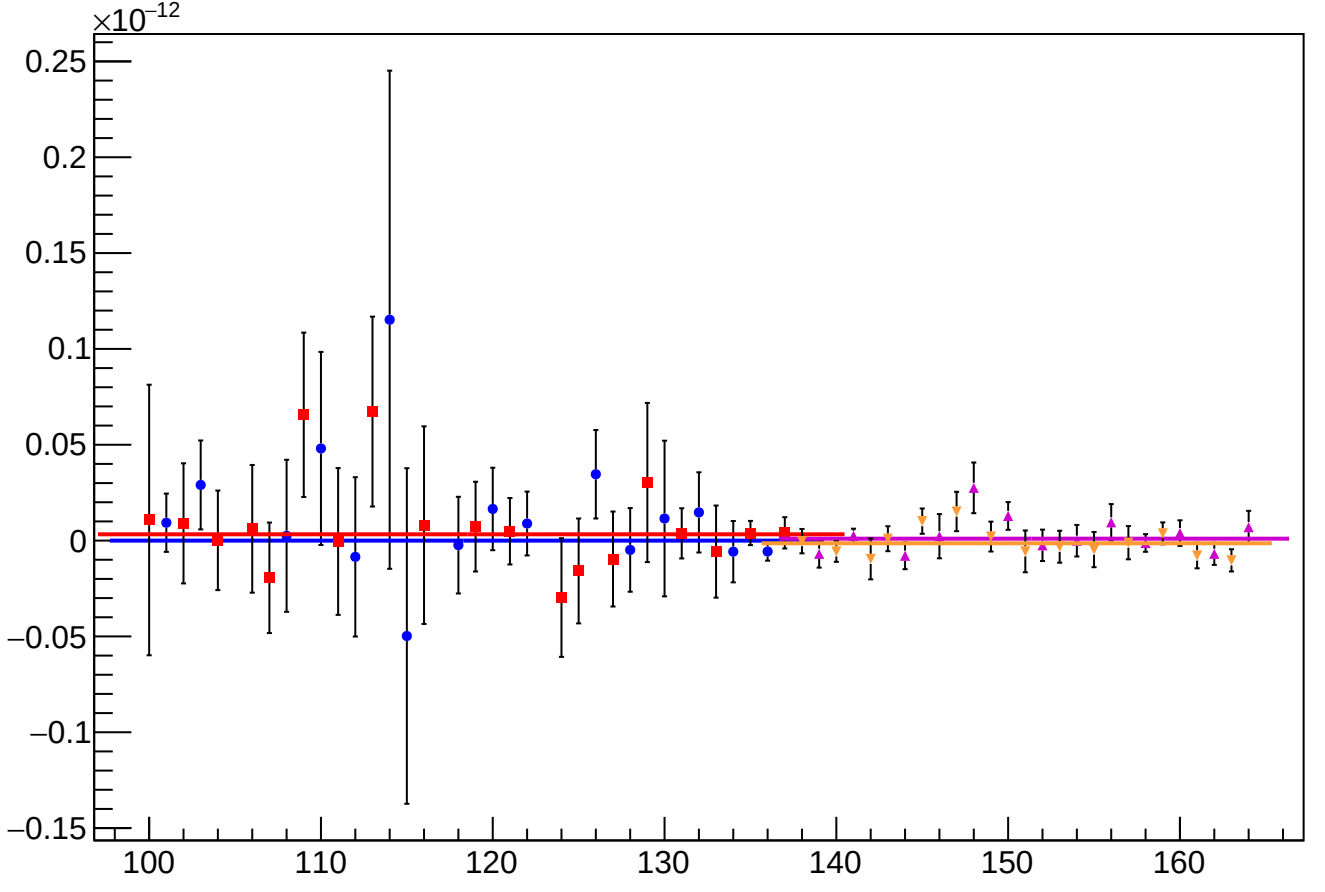
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

+ sign 14.587+/-0.003 χ^2/NDF: 4272236.0/29

All: 14.413+/-0.002 χ^2/NDF: 9734693.8/61

- sign 14.238+/-0.003 χ^2/NDF: 5453788.1/31



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

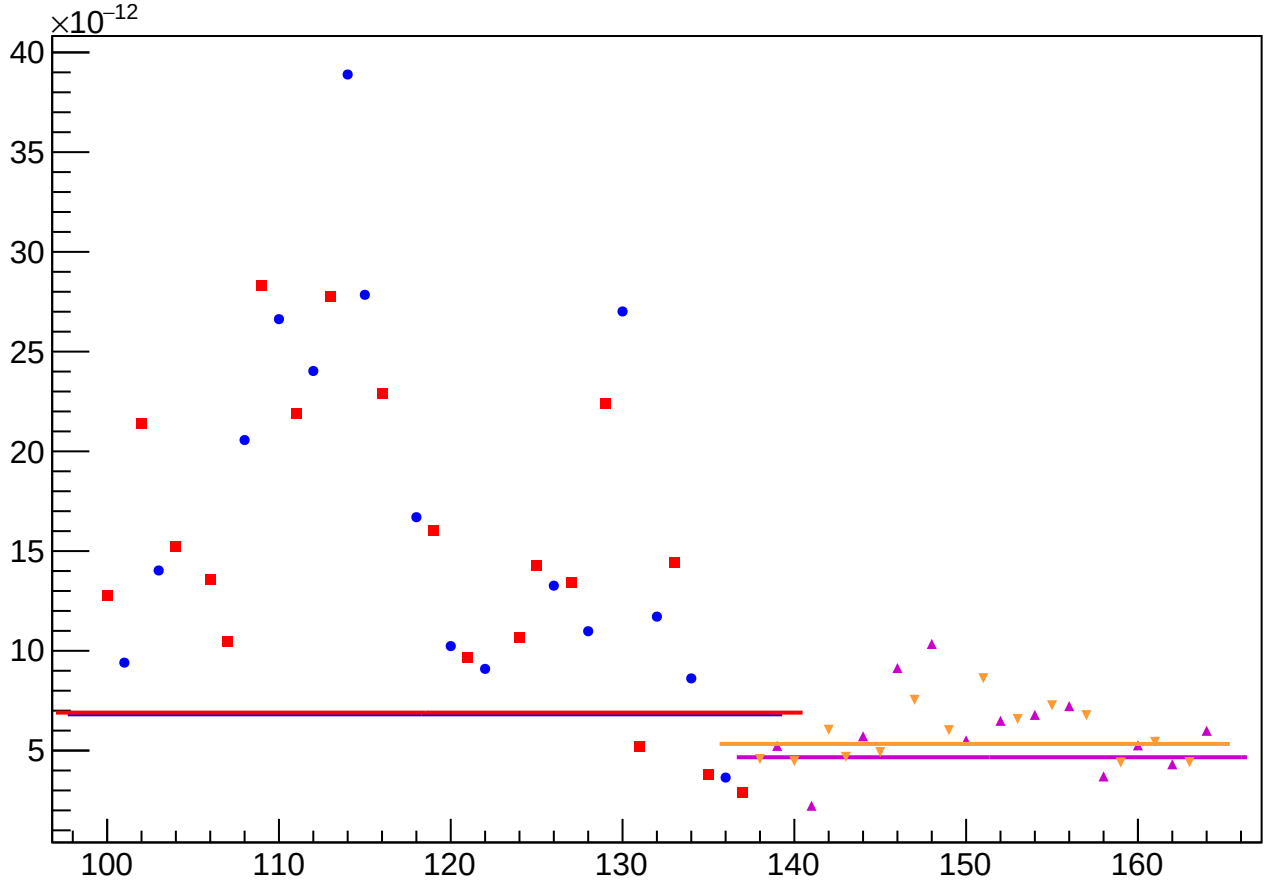
Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/29

All: 0.000+/-0.000 χ^2/NDF: 42.9/61

- 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:698289.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

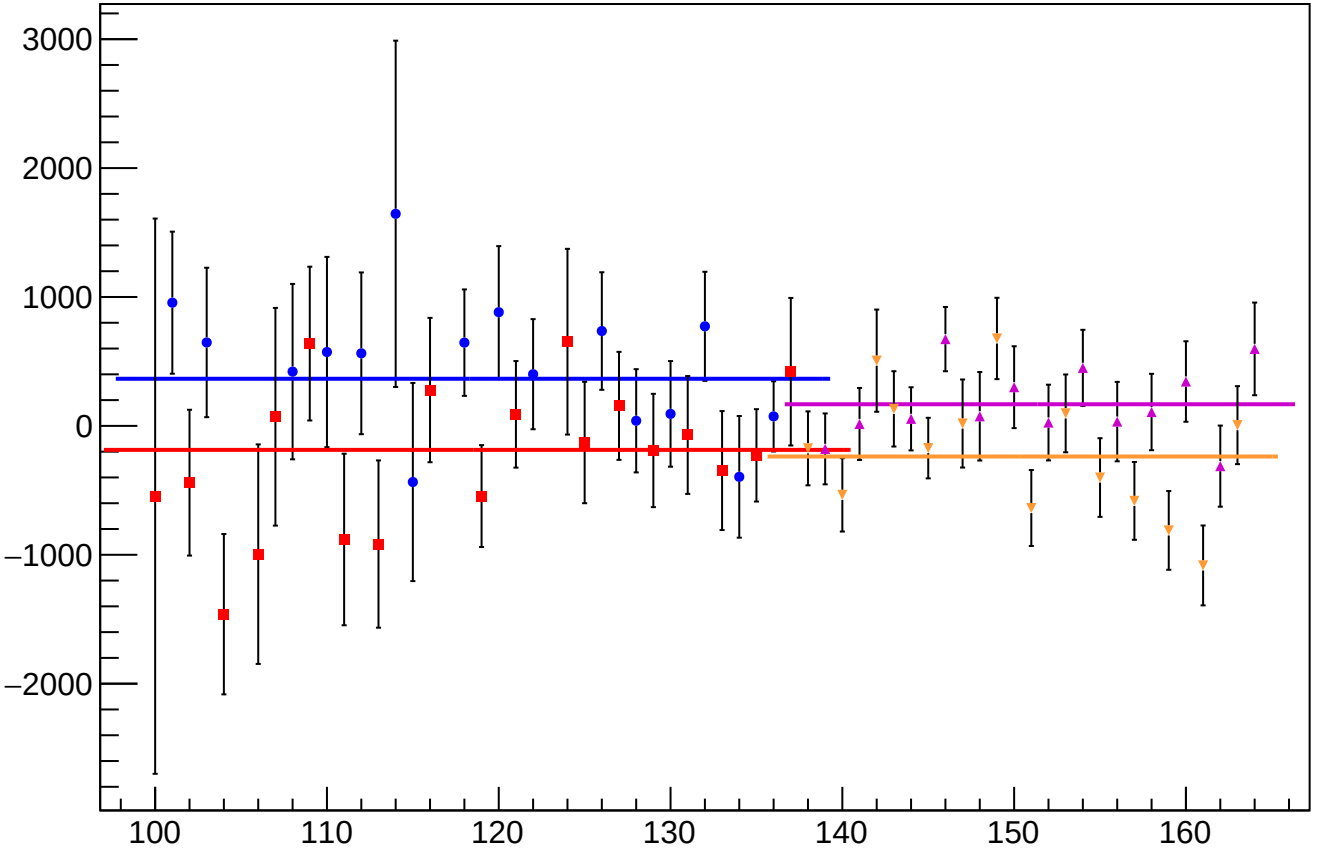
Left In: 0.000+/-0.000 χ^2/NDF:2153980.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4453784.1/29

All: 0.000+/-0.000 χ^2/NDF: 11494765.5/61

- 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: -237.664+/-80.169 χ^2/NDF:31.6/13

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

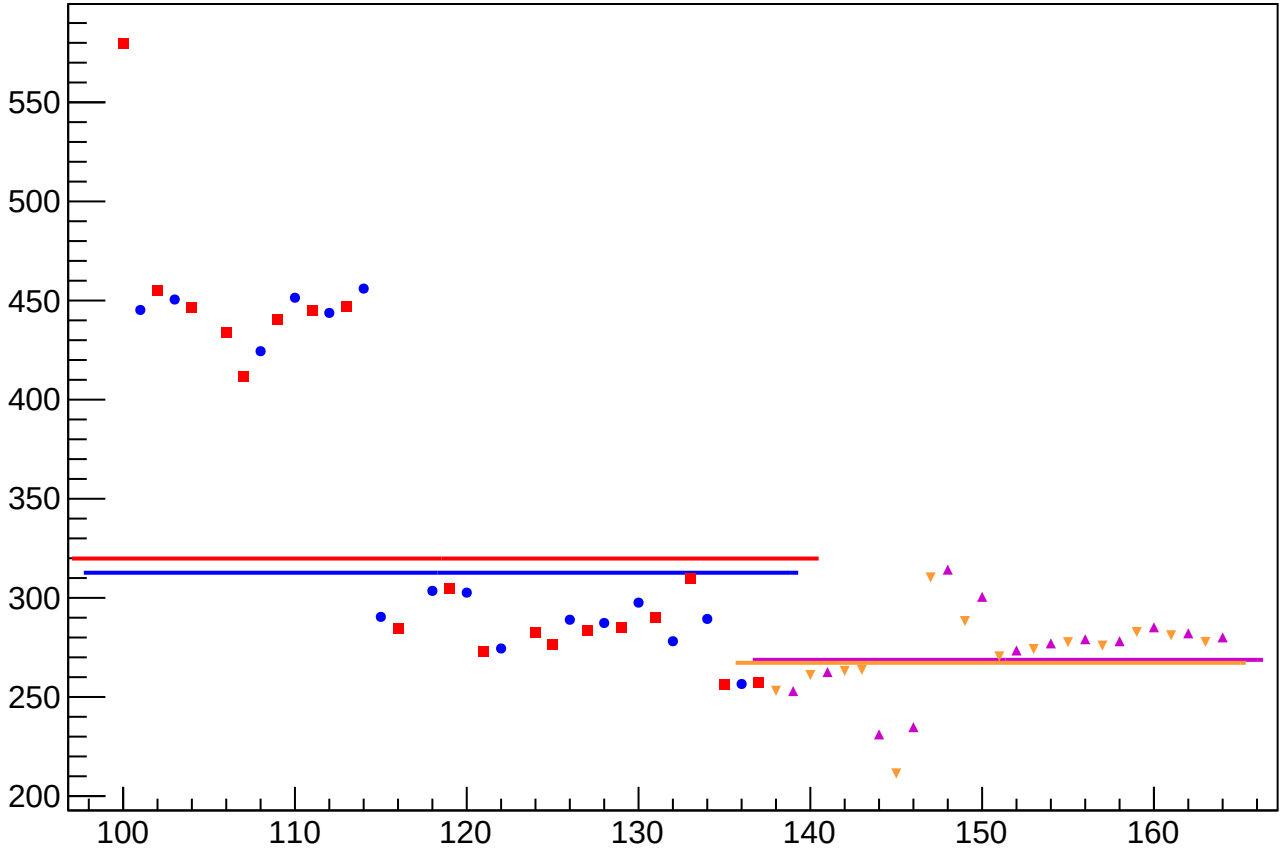
Left In: 167.886+/-81.571 χ^2/NDF:11.9/12

+ sign -49.081+/-66.466 χ^2/NDF: 60.8/29

All: 2.770+/-47.358 χ^2/NDF: 94.9/61

- 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: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

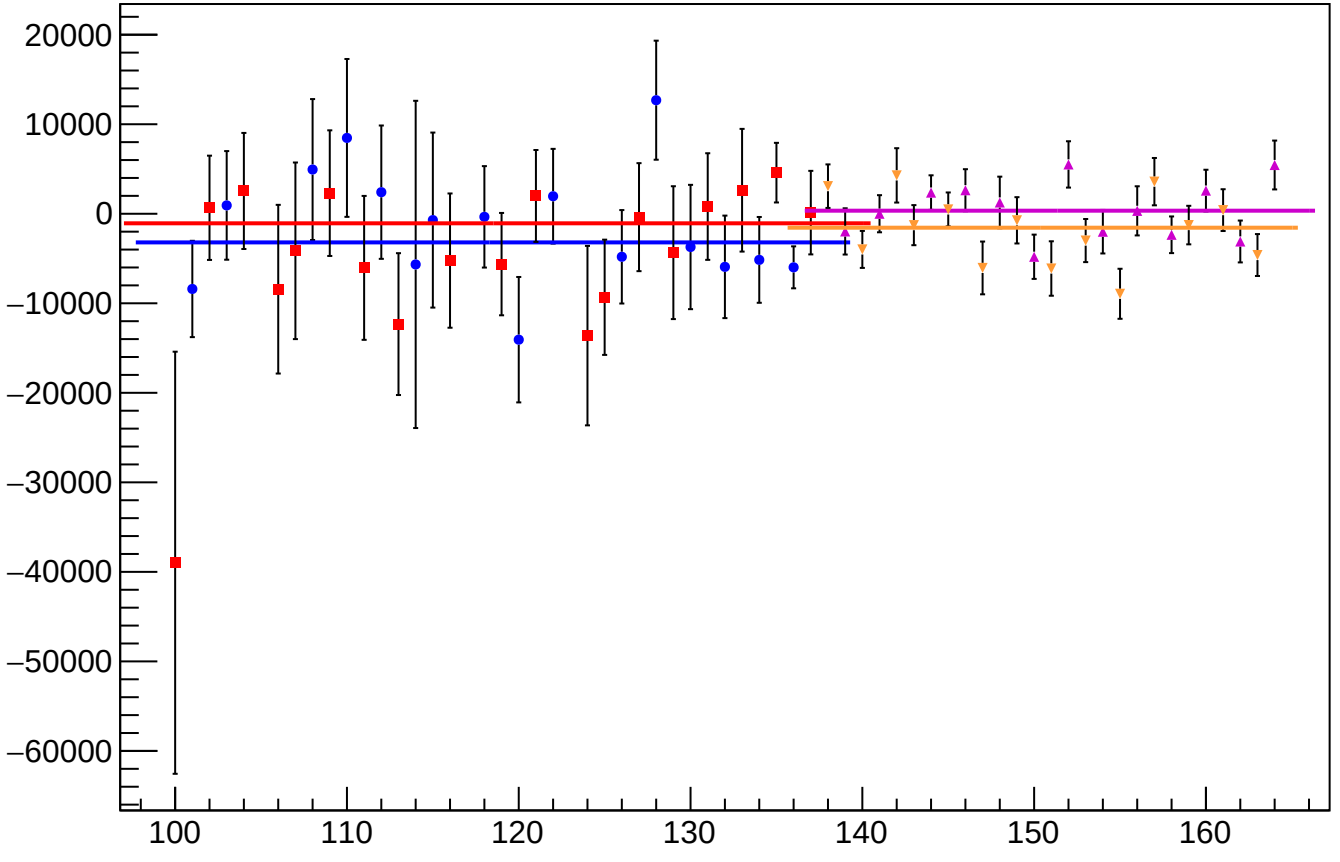
Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 281.444+/-0.047 χ^2/NDF: 979964.5/29

All: 283.123+/-0.033 χ^2/NDF: 2092482.9/61

- sign 284.855+/-0.048 χ^2/NDF: 1109926.2/31

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1557.231+/-647.012 χ^2/NDF:28.1/13

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

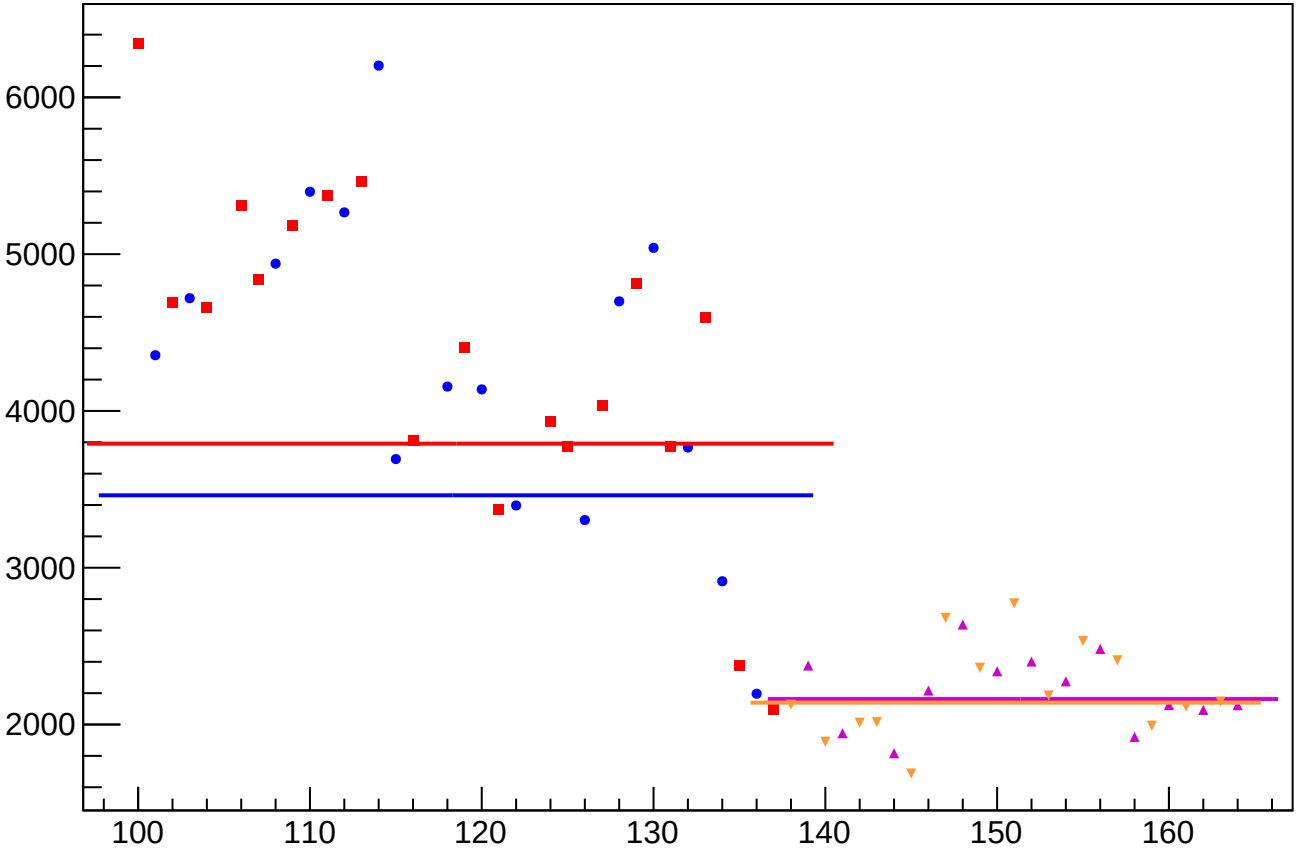
Left In: 343.177+/-658.320 χ^2/NDF:20.5/12

+ sign -1862.448+/-583.770 χ^2/NDF: 45.4/29

All: -906.173+/-418.054 χ^2/NDF: 86.7/61

- 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: 2139.507+/-0.458 χ^2/NDF:392748.7/13

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

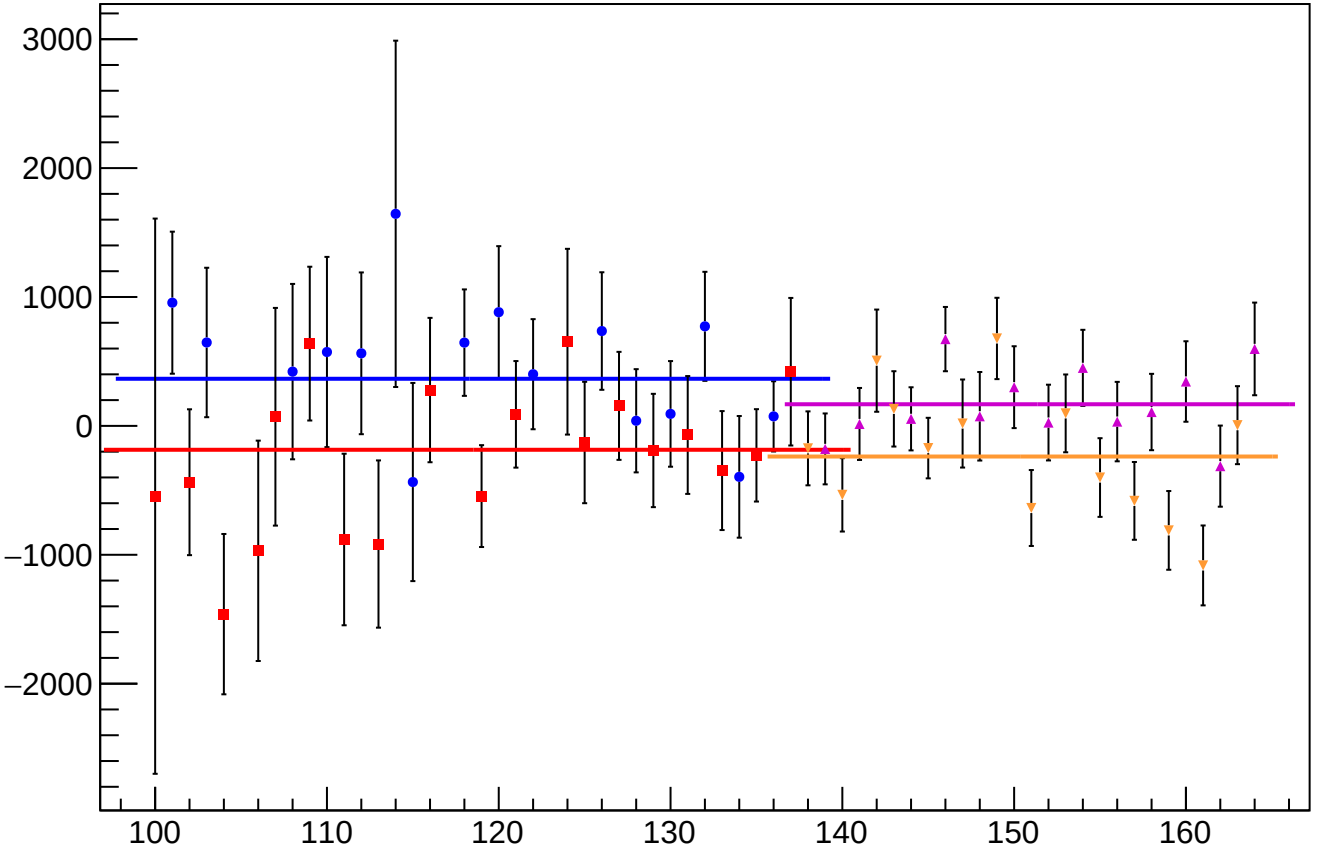
Left In: 2162.330+/-0.466 χ^2/NDF:244450.1/12

+ sign 2385.394+/-0.413 χ^2/NDF: 3255821.8/29

All: 2413.381+/-0.296 χ^2/NDF: 6774076.2/61

- 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: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

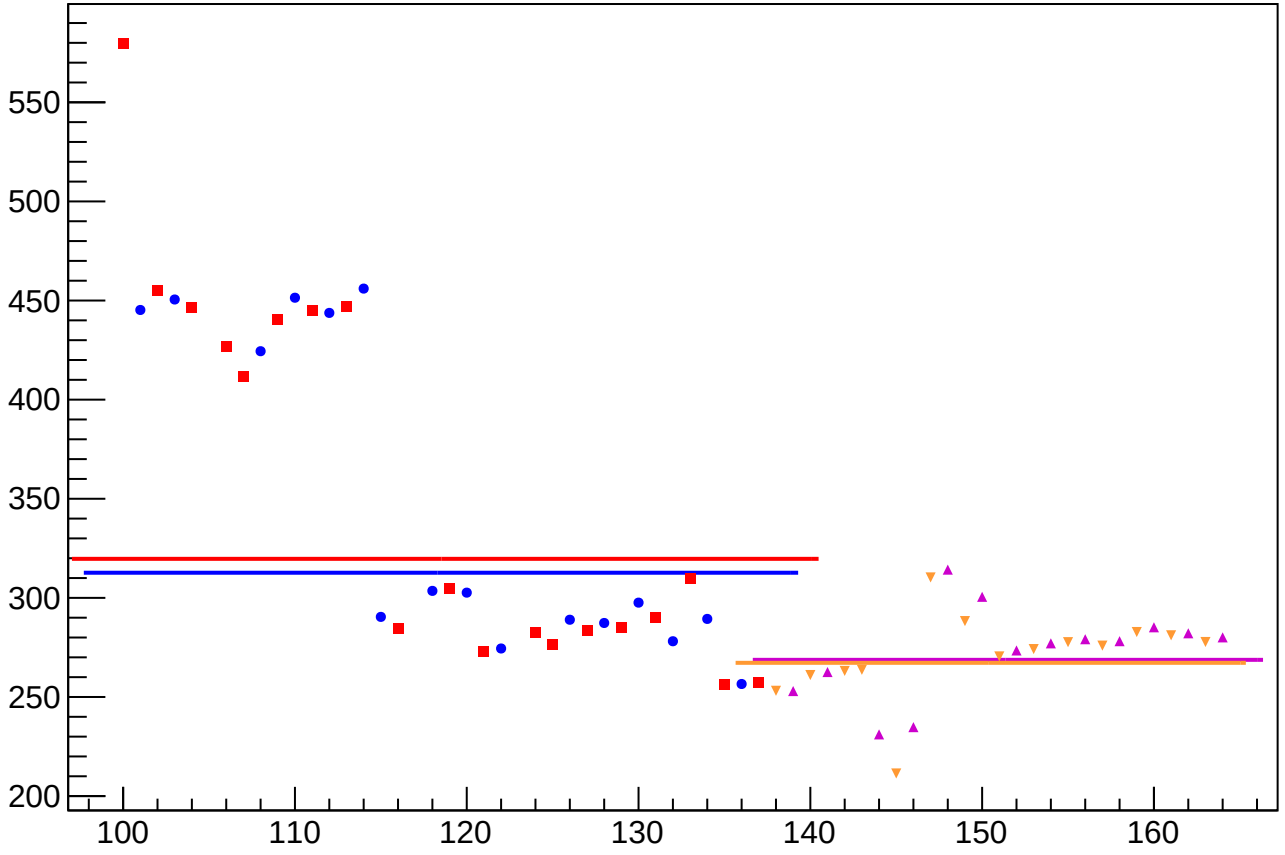
Left In: 167.889+/-81.571 χ^2/NDF:11.9/12

+ sign -49.079+/-66.466 χ^2/NDF: 60.8/29

All: 2.904+/-47.359 χ^2/NDF: 94.8/61

- 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: 267.236+/-0.057 χ^2/NDF:176822.4/13

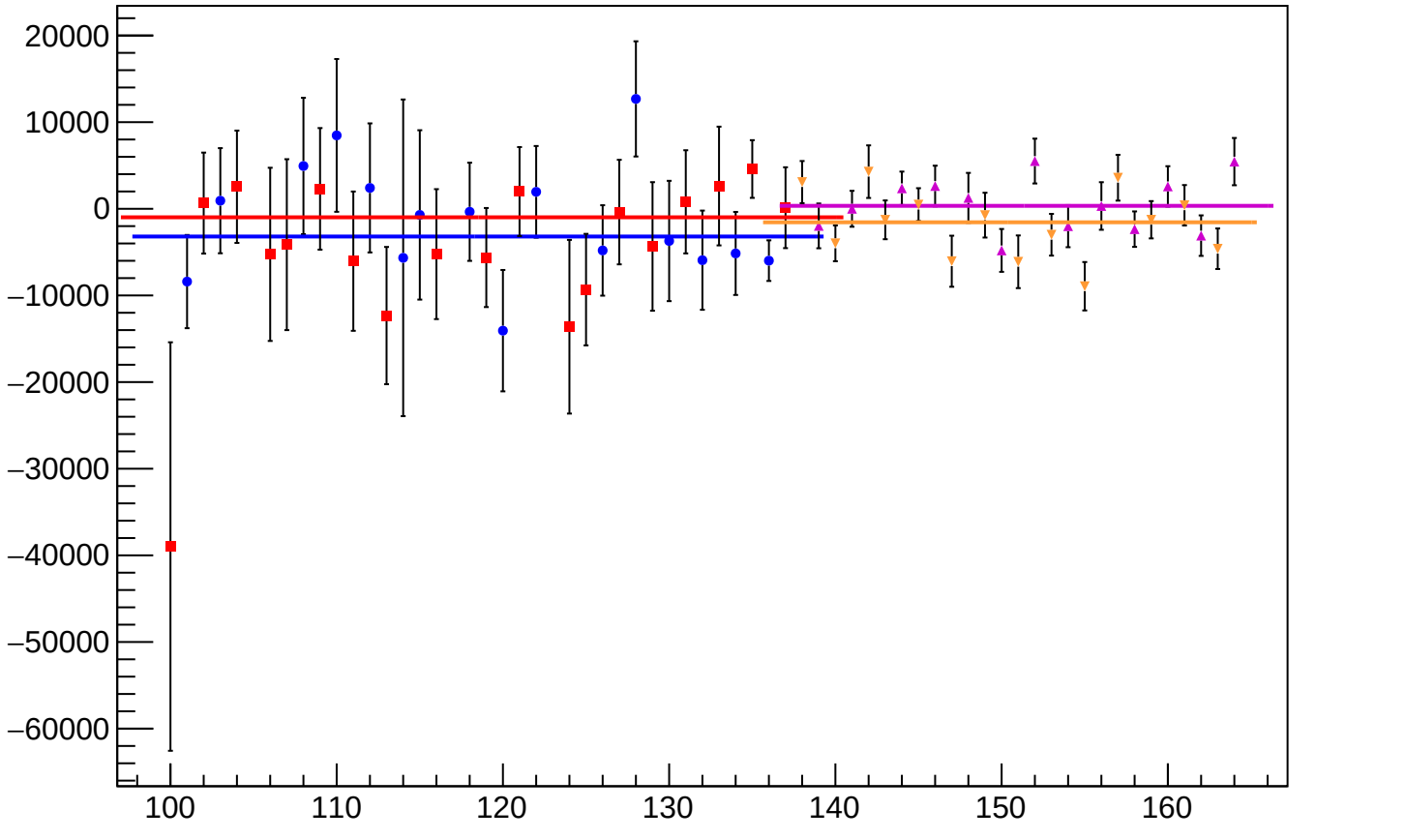
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 281.444+/-0.047 χ^2/NDF: 979966.0/29

All: 283.099+/-0.033 χ^2/NDF: 2086782.5/61

- 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: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

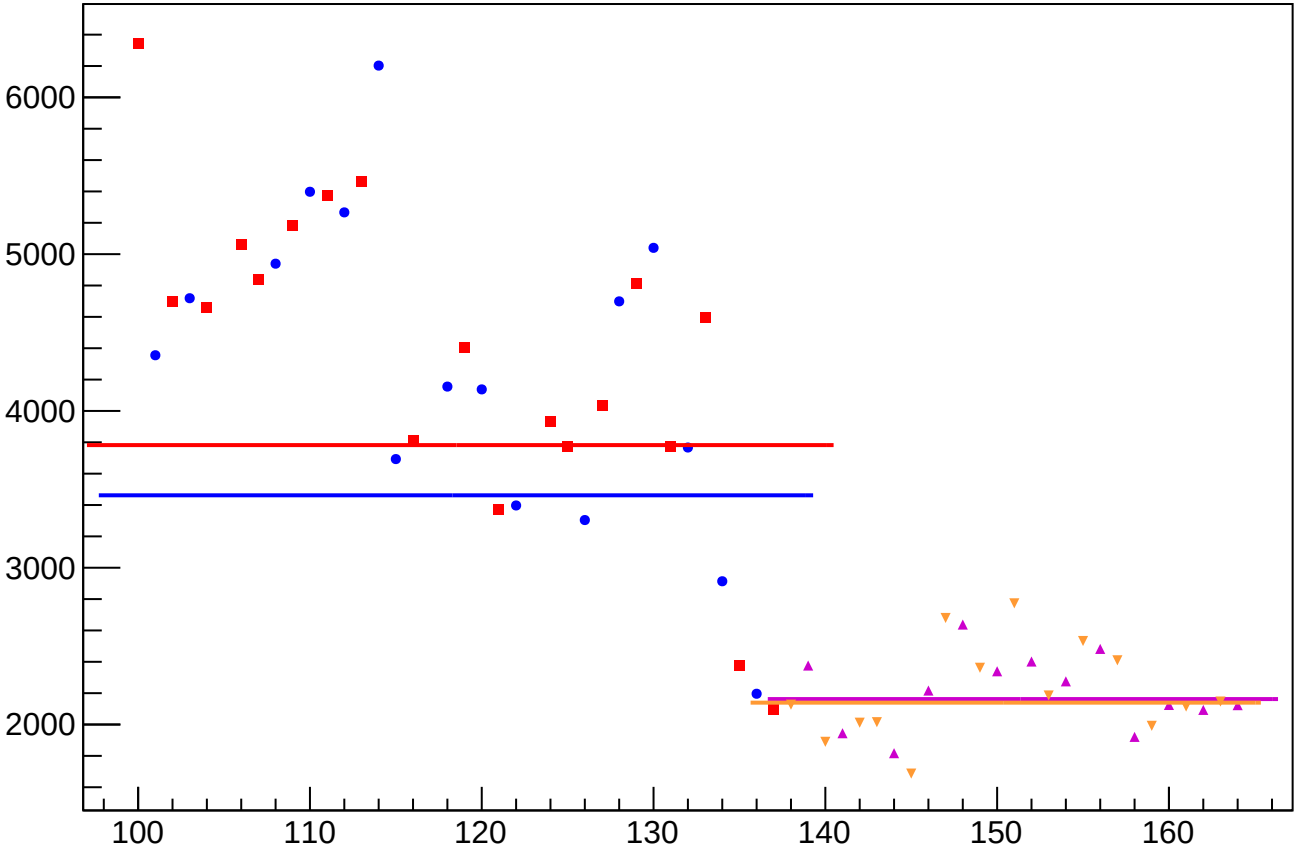
Left In: 343.170+/-658.320 χ^2/NDF:20.5/12

+ sign -1862.424+/-583.770 χ^2/NDF: 45.4/29

All: -899.013+/-418.101 χ^2/NDF: 86.2/61

- 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: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

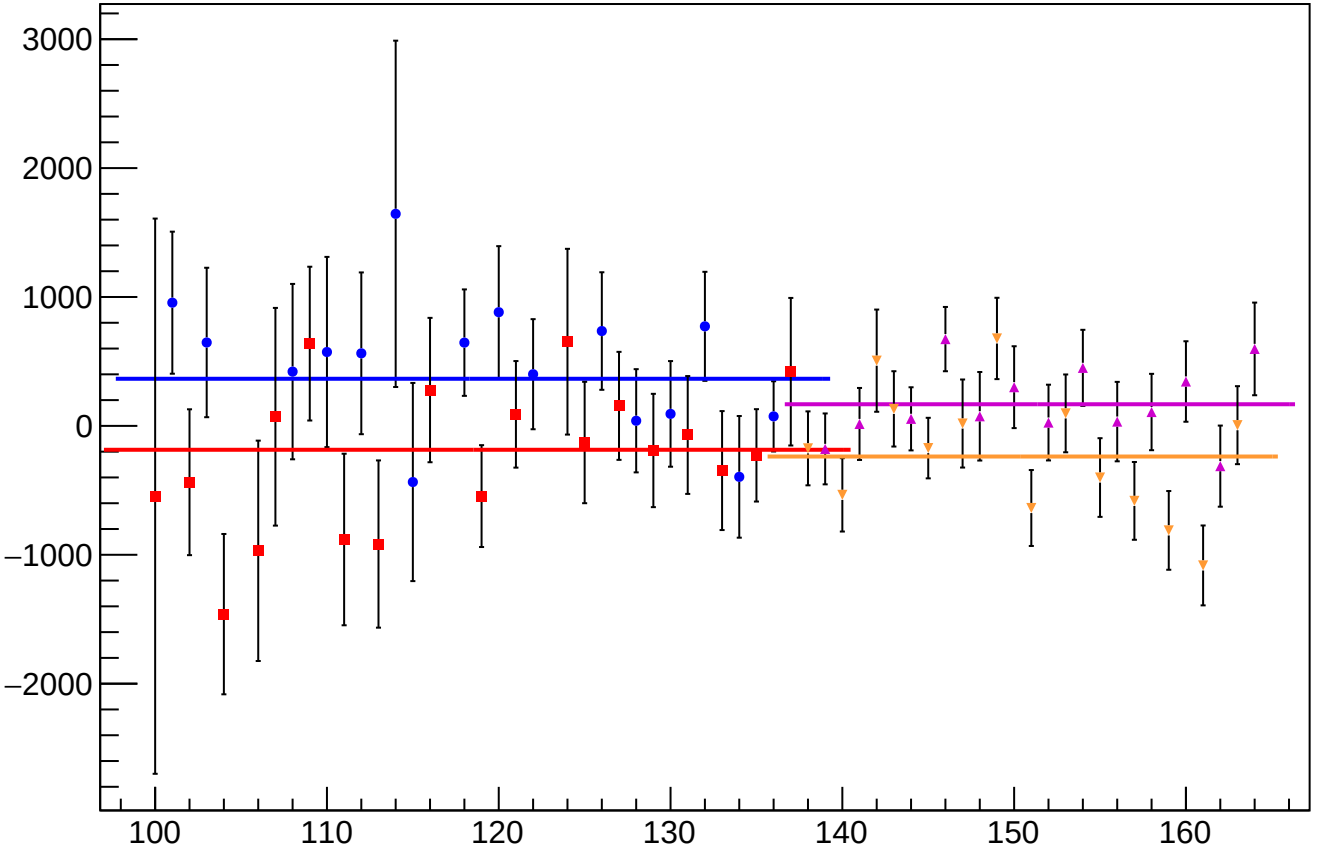
Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

+ sign 2385.394+/-0.413 χ^2/NDF: 3255843.6/29

All: 2412.315+/-0.296 χ^2/NDF: 6726032.3/61

- 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: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

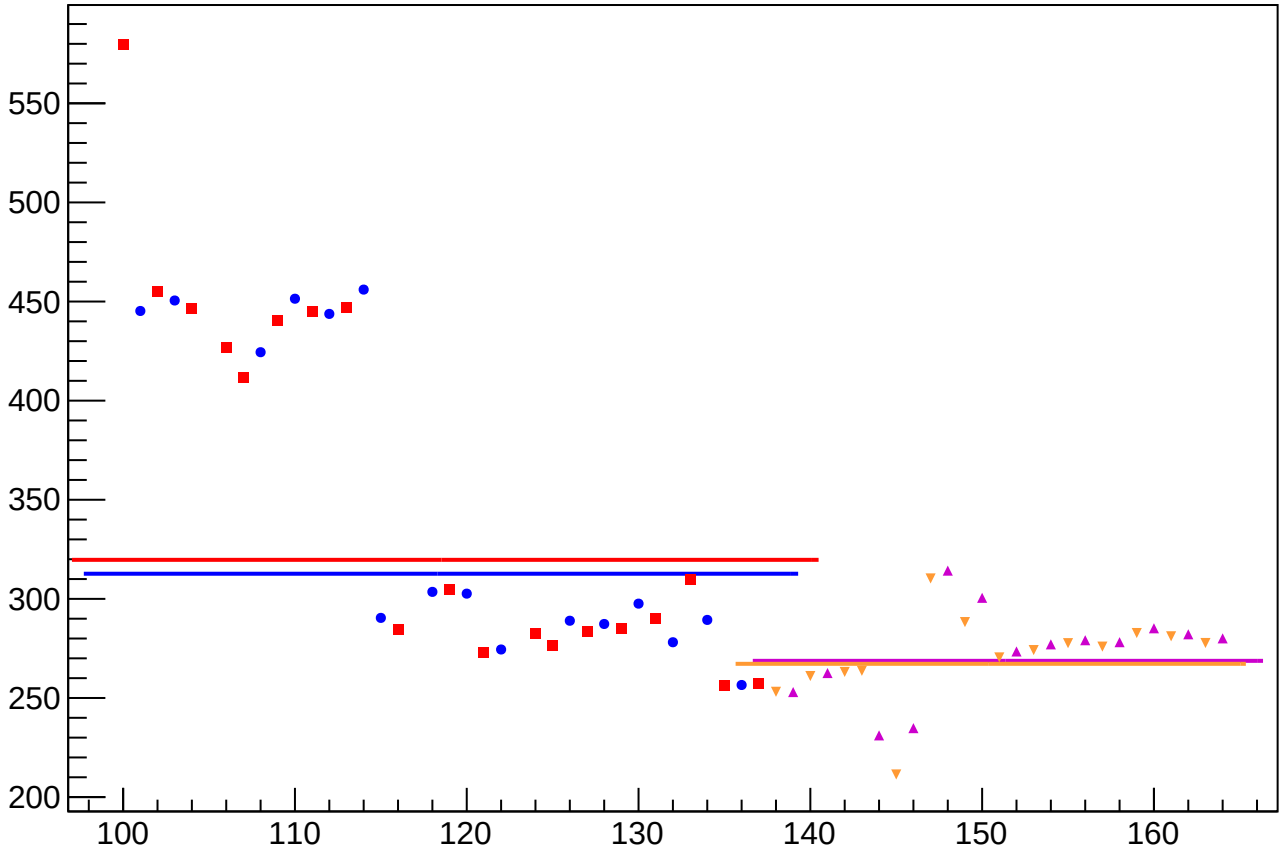
Left In: 167.889+/-81.571 χ^2/NDF:11.9/12

\+ sign -49.079+/-66.466 χ^2/NDF: 60.8/29

All: 2.904+/-47.359 χ^2/NDF: 94.8/61

\- 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: 267.236+/-0.057 χ^2/NDF:176822.4/13

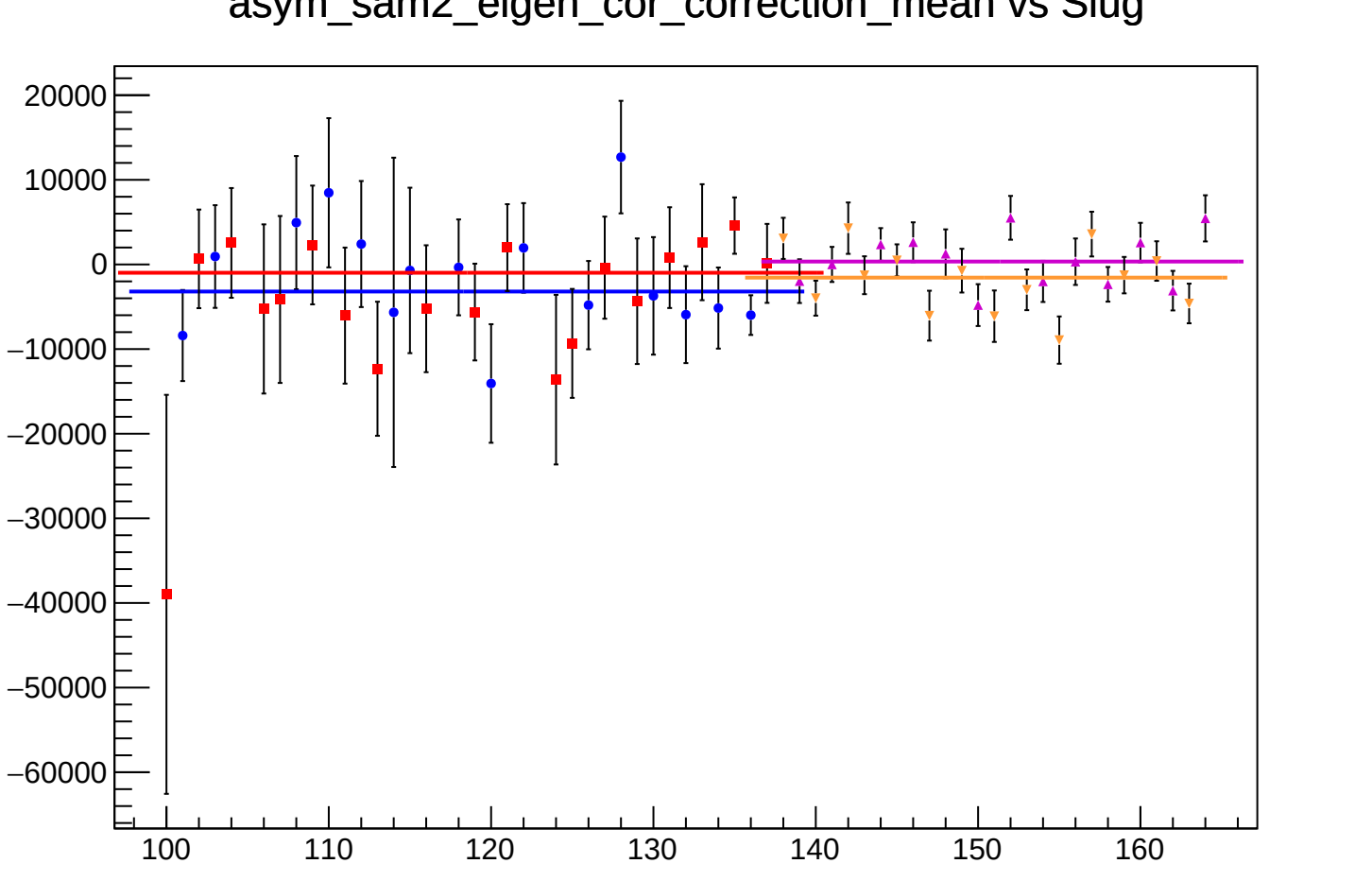
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 281.444+/-0.047 χ^2/NDF: 979966.0/29

All: 283.099+/-0.033 χ^2/NDF: 2086782.5/61

- 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: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

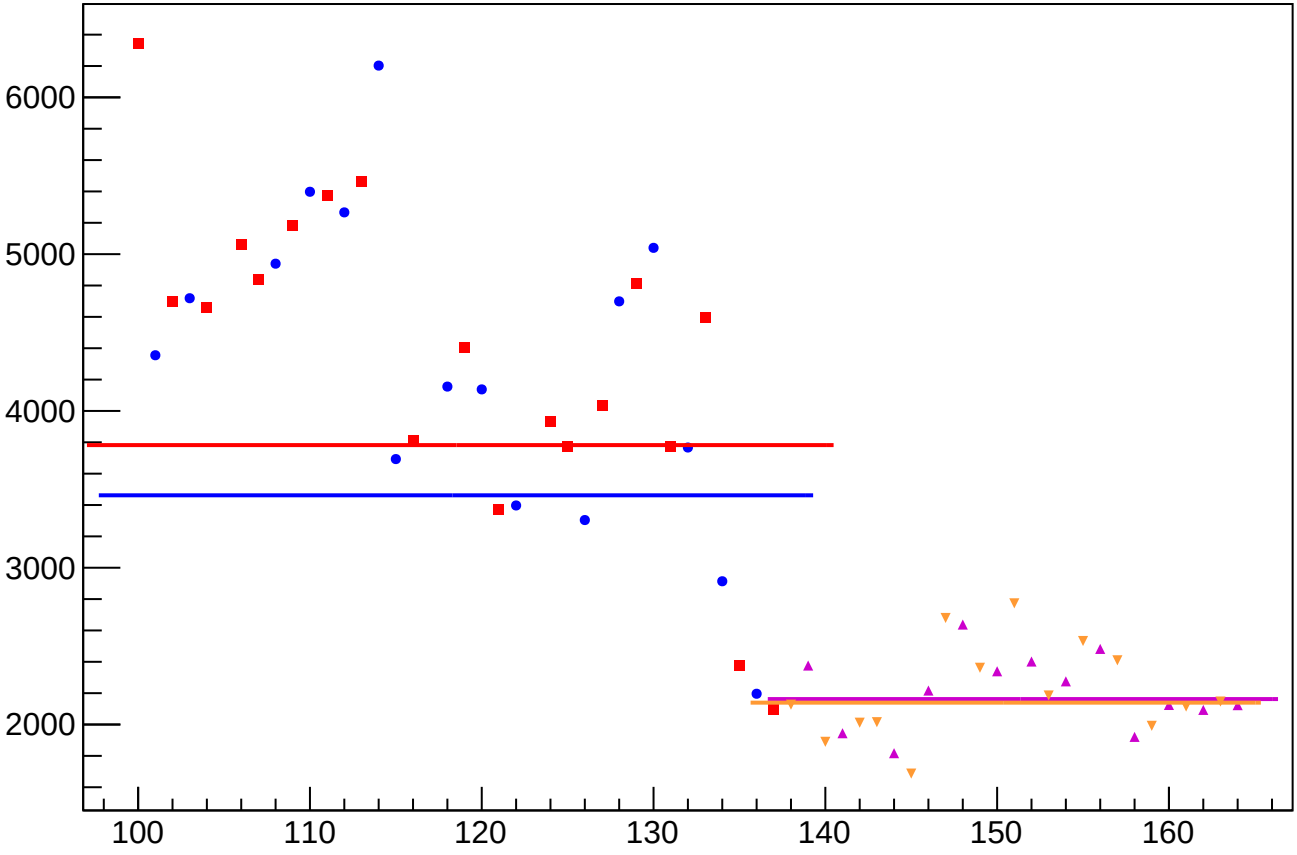
Left In: 343.170+/-658.320 χ^2/NDF:20.5/12

+ sign -1862.424+/-583.770 χ^2/NDF: 45.4/29

All: -899.013+/-418.101 χ^2/NDF: 86.2/61

- 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: 2139.507+/-0.458 χ^2/NDF:392749.7/13

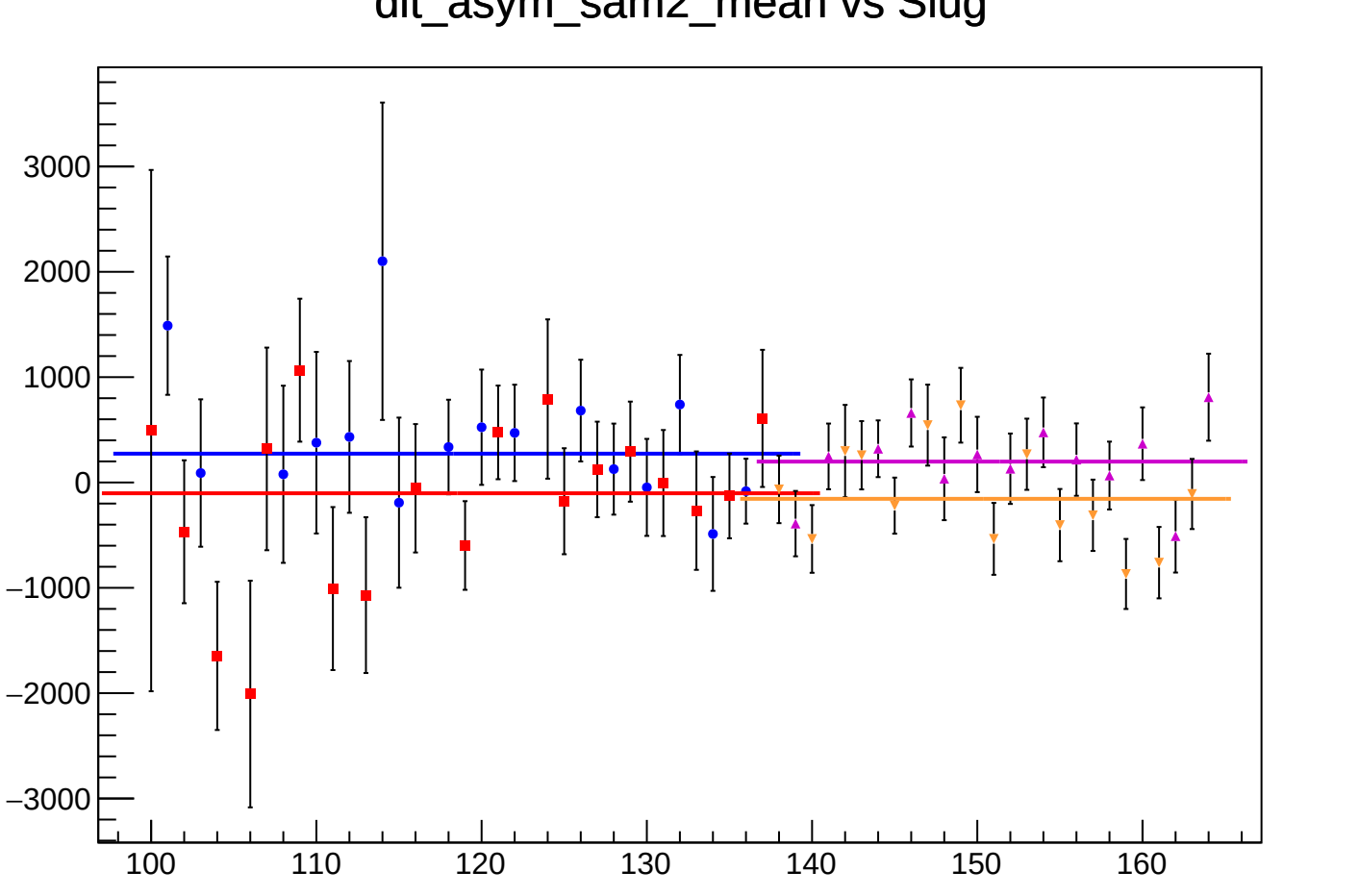
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

+ sign 2385.394+/-0.413 χ^2/NDF: 3255843.6/29

All: 2412.315+/-0.296 χ^2/NDF: 6726032.3/61

- sign 2440.669+/-0.424 χ^2/NDF: 3461455.5/31



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

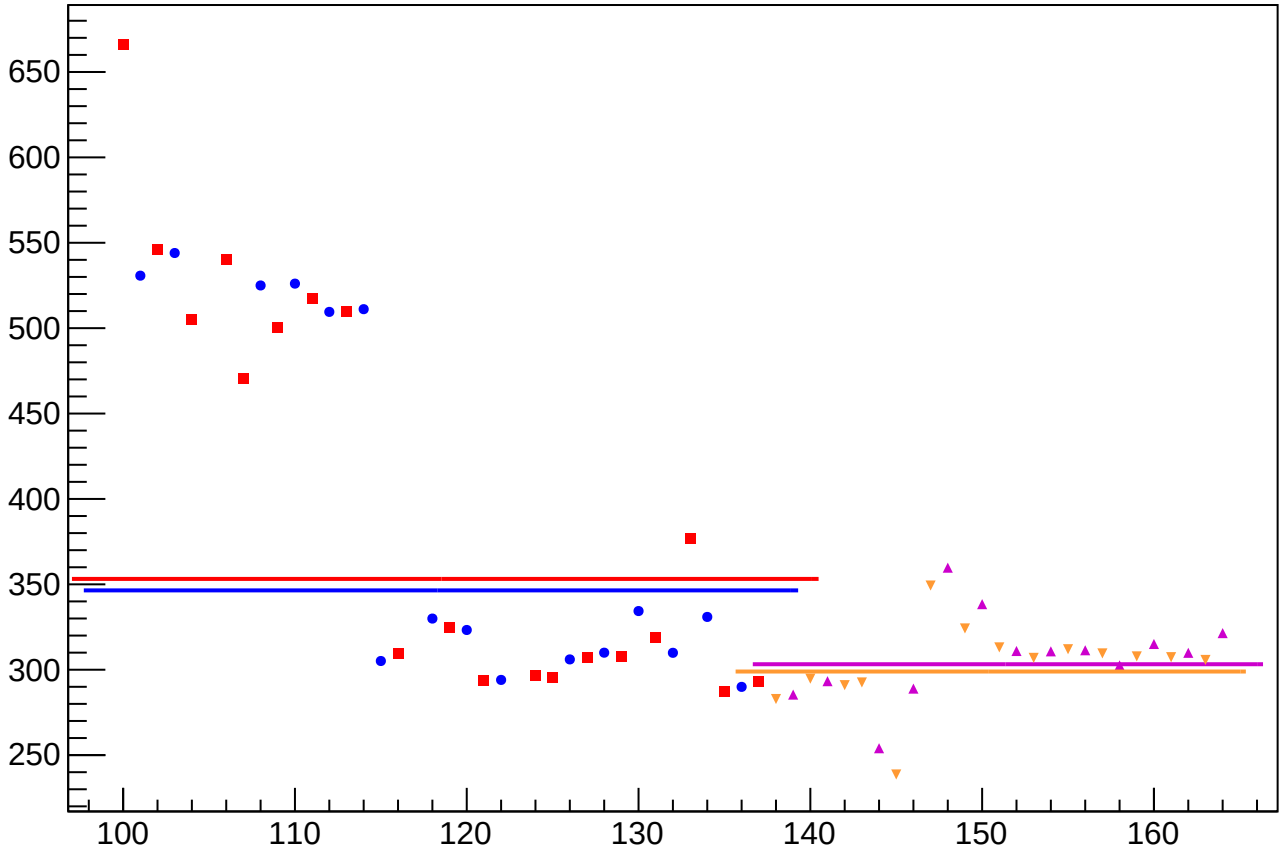
Left In: 198.228+/-92.290 χ^2/NDF:13.7/12

+ sign -20.462+/-74.277 χ^2/NDF: 43.8/29

All: 38.992+/-53.098 χ^2/NDF: 83.5/61

- 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: 298.944+/-0.063 χ^2/NDF:166734.1/13

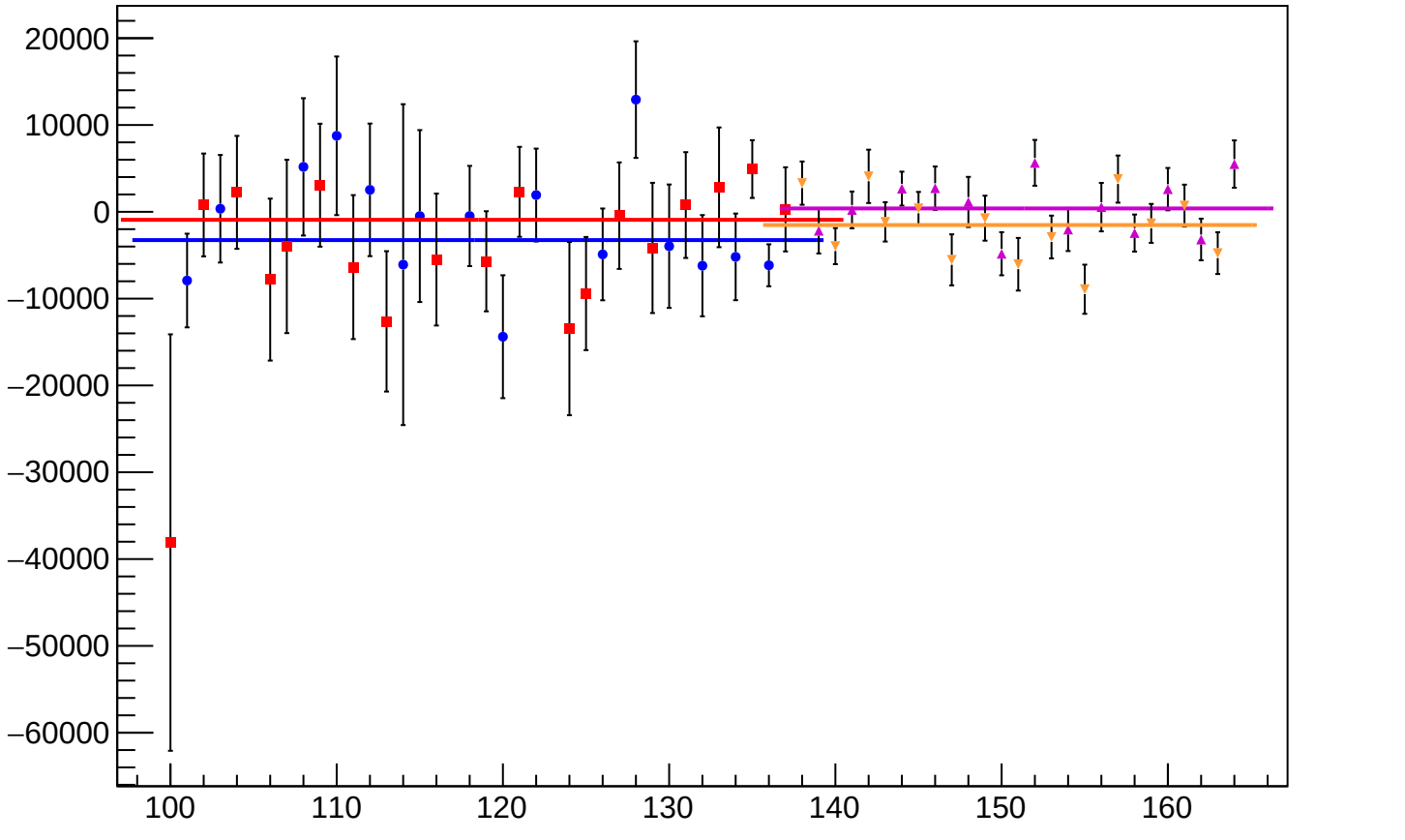
Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 303.216+/-0.065 χ^2/NDF:150325.6/12

+ sign 313.866+/-0.053 χ^2/NDF: 1111782.8/29

All: 316.550+/-0.038 χ^2/NDF: 2323144.6/61

- sign 319.355+/-0.054 χ^2/NDF: 1206021.5/31



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1522.586+/-657.576 χ^2/NDF:27.3/13

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

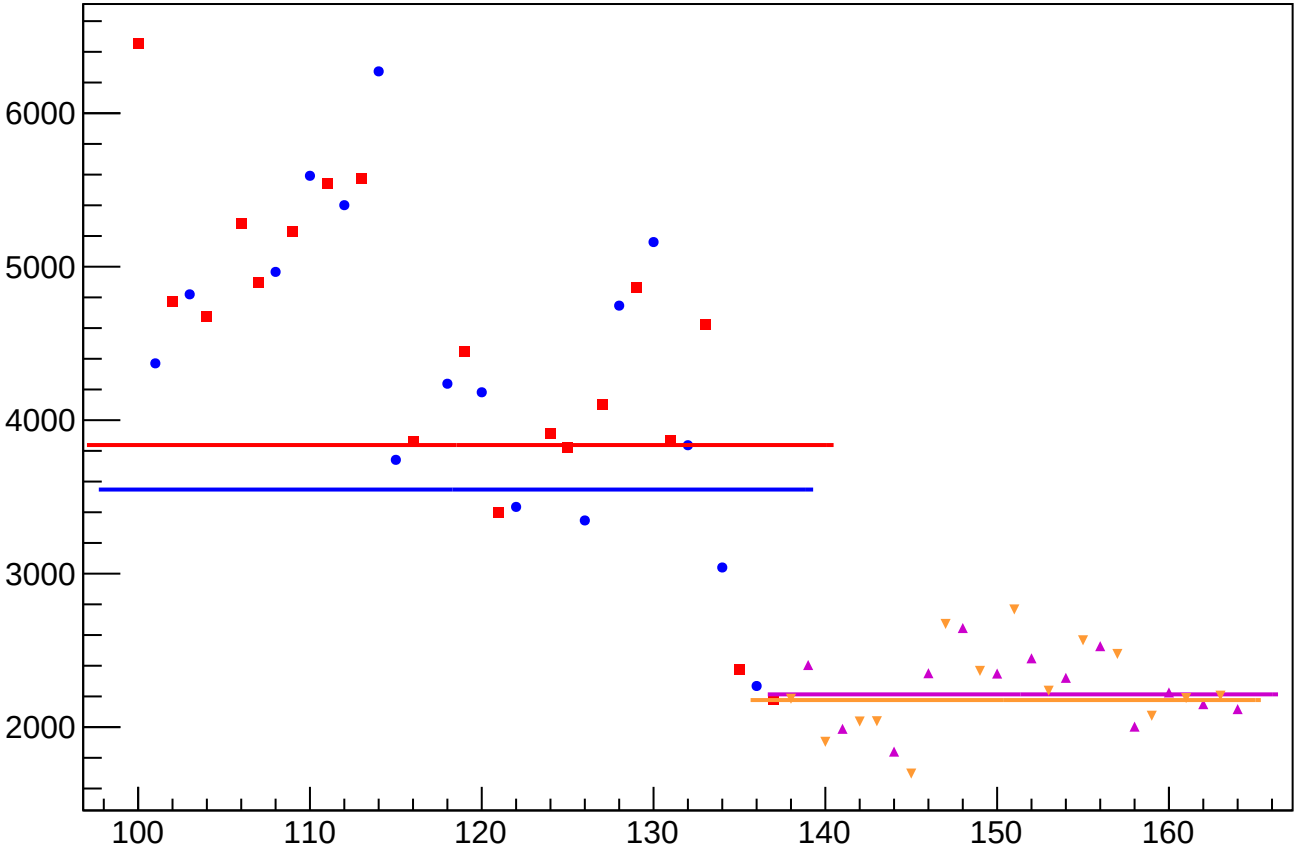
Left In: 387.318+/-673.714 χ^2/NDF:21.0/12

\+ sign -1842.299+/-593.955 χ^2/NDF: 44.6/29

All: -871.815+/-426.152 χ^2/NDF: 86.4/61

\- 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: 2176.284+/-0.465 χ^2/NDF:384561.9/13

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

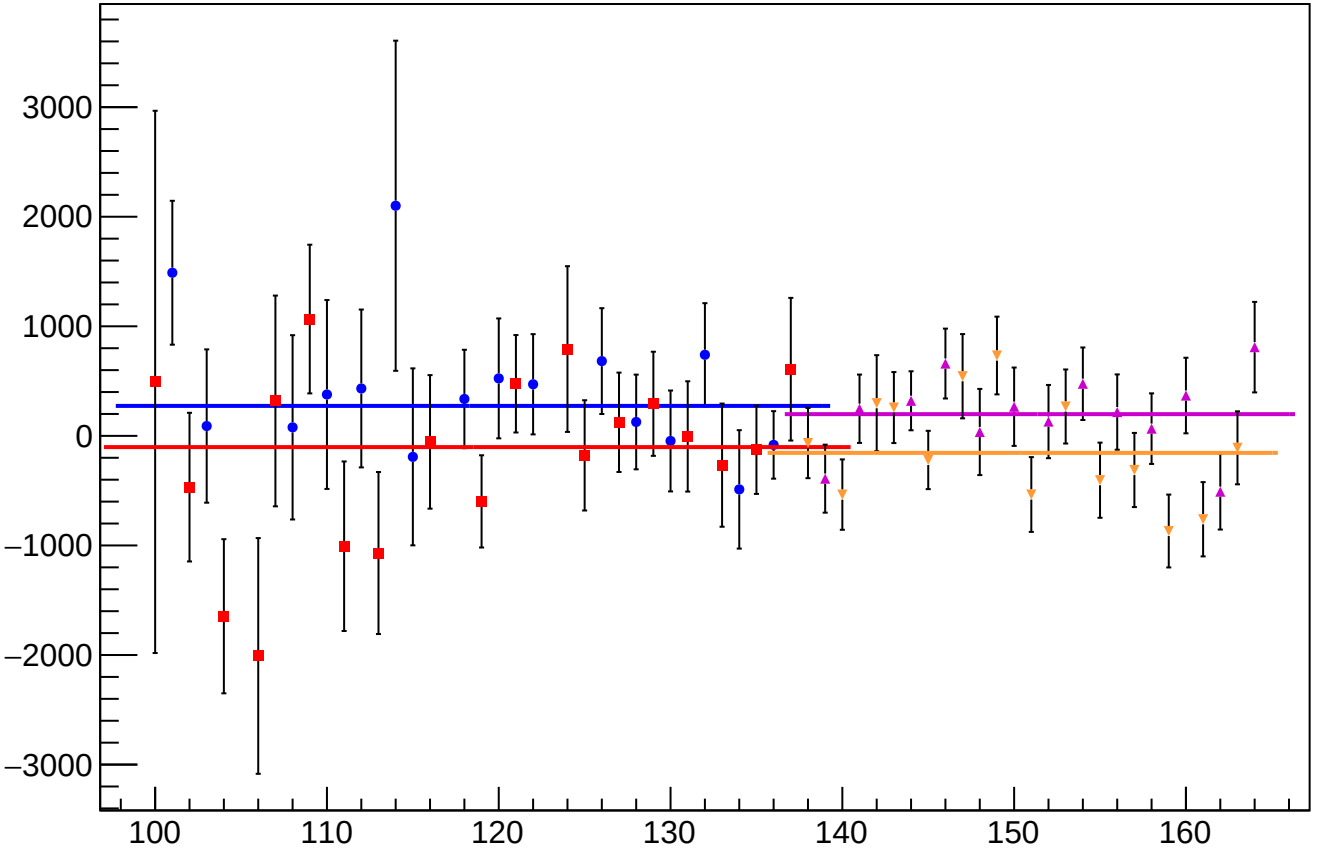
Left In: 2213.484+/-0.476 χ^2/NDF:230939.6/12

+ sign 2428.866+/-0.420 χ^2/NDF: 3245536.7/29

All: 2462.621+/-0.301 χ^2/NDF: 6685301.8/61

- sign 2498.433+/-0.433 χ^2/NDF: 3426452.3/31

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

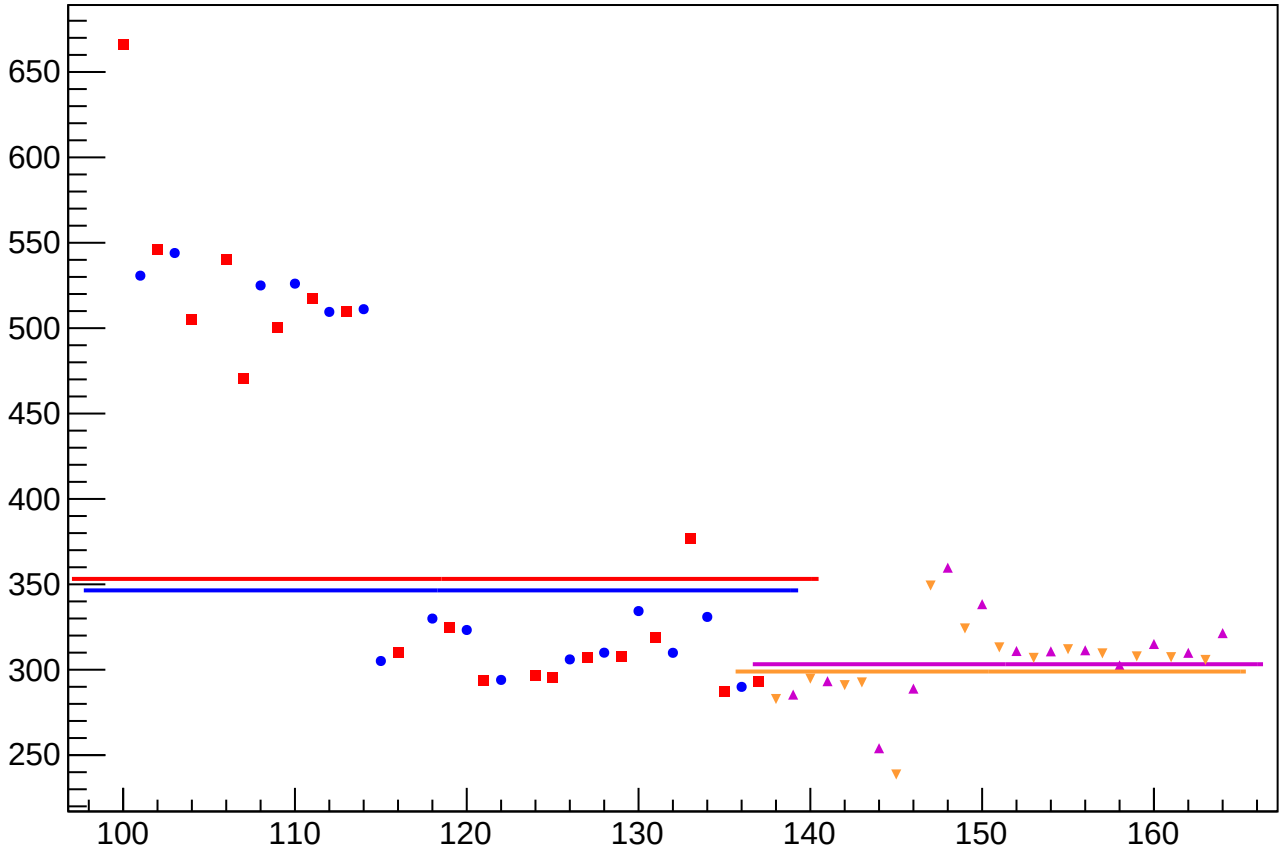
Left In: 198.232+/-92.290 χ^2/NDF:13.7/12

+ sign -20.459+/-74.277 χ^2/NDF: 43.8/29

All: 38.994+/-53.098 χ^2/NDF: 83.5/61

- 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: 298.944+/-0.063 χ^2/NDF:166737.2/13

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

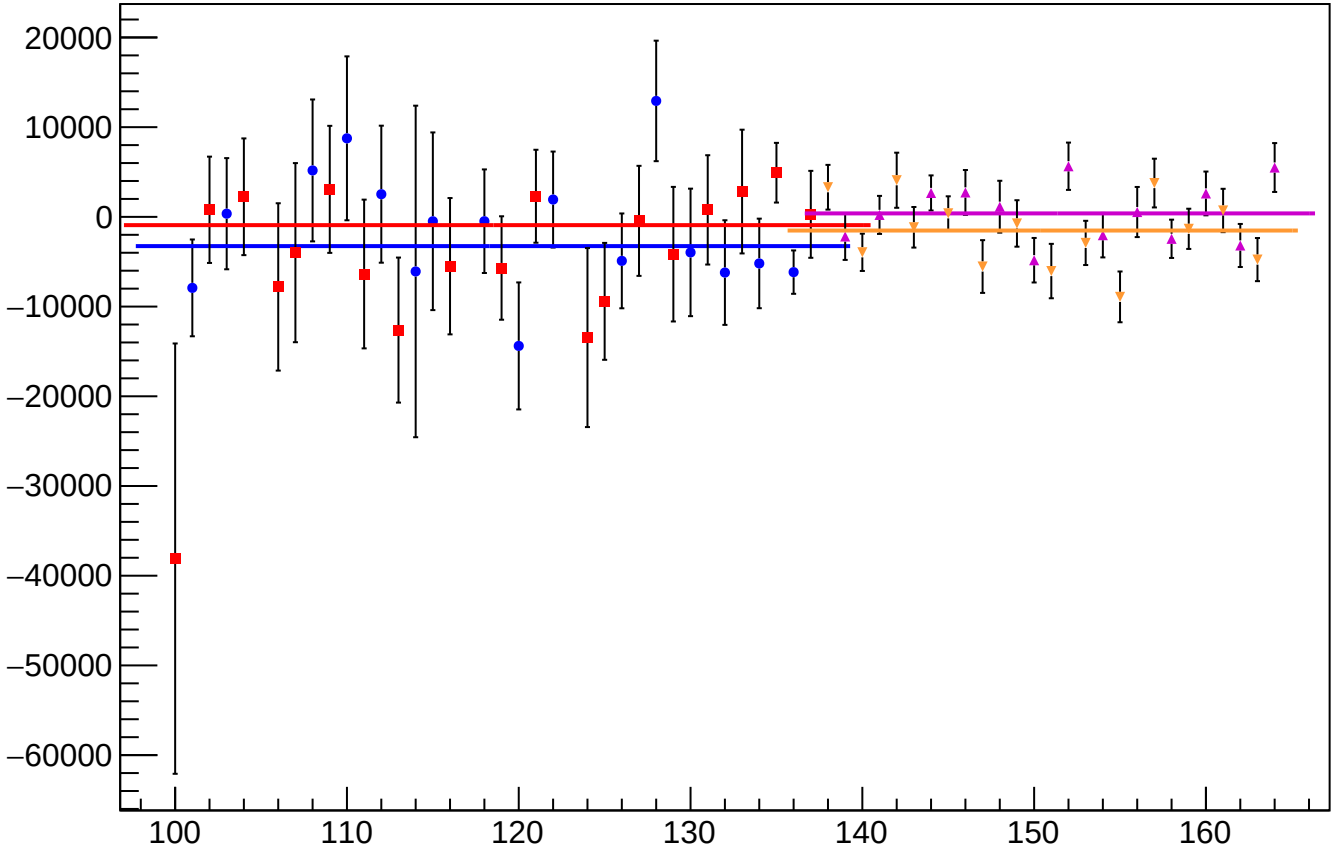
Left In: 303.216+/-0.065 χ^2/NDF:150327.7/12

+ sign 313.866+/-0.053 χ^2/NDF: 1111762.6/29

All: 316.549+/-0.038 χ^2/NDF: 2323107.4/61

- 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: -1522.583+/-657.576 χ^2/NDF:27.3/13

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

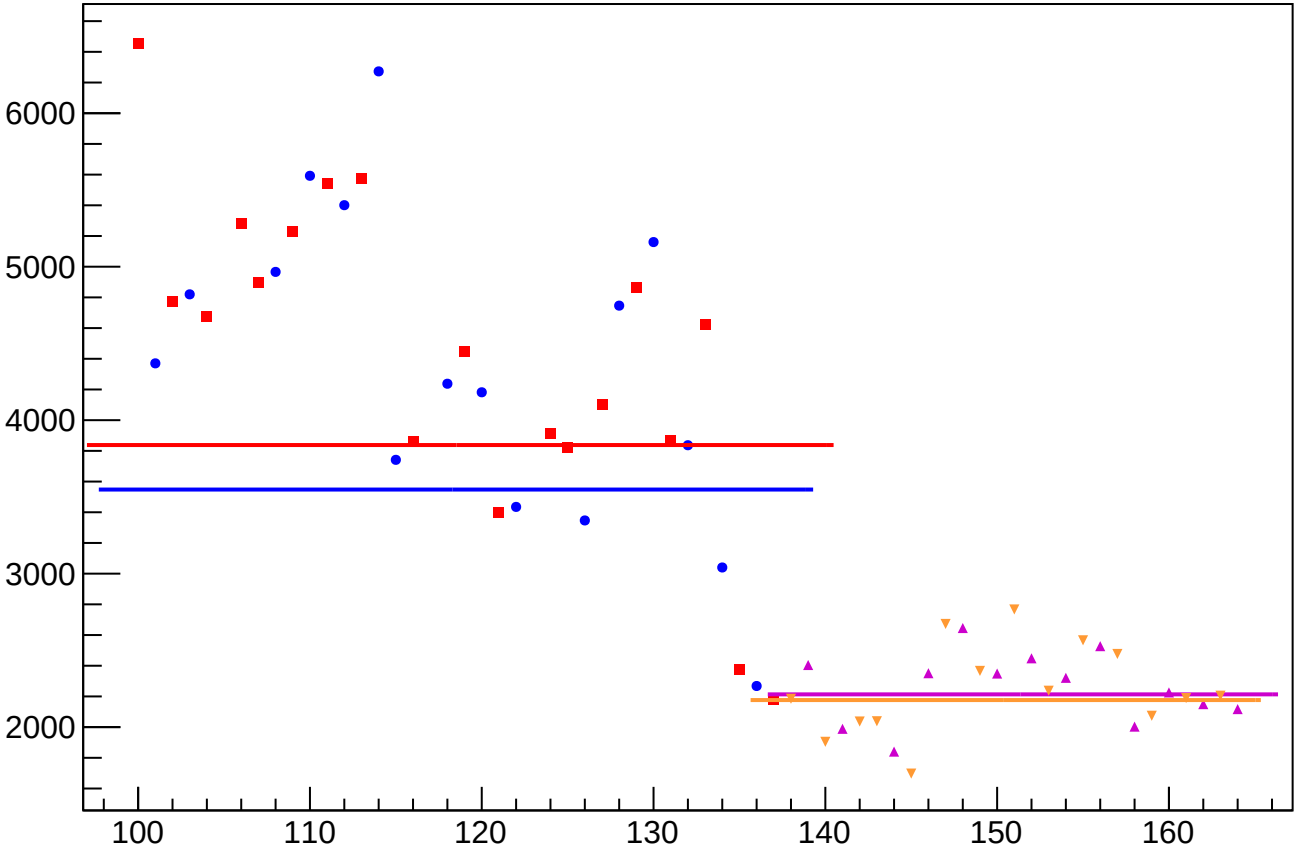
Left In: 387.316+/-673.714 χ^2/NDF:21.0/12

+ sign -1842.295+/-593.955 χ^2/NDF: 44.6/29

All: -871.814+/-426.152 χ^2/NDF: 86.4/61

- 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: 2176.284+/-0.465 χ^2/NDF:384568.6/13

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

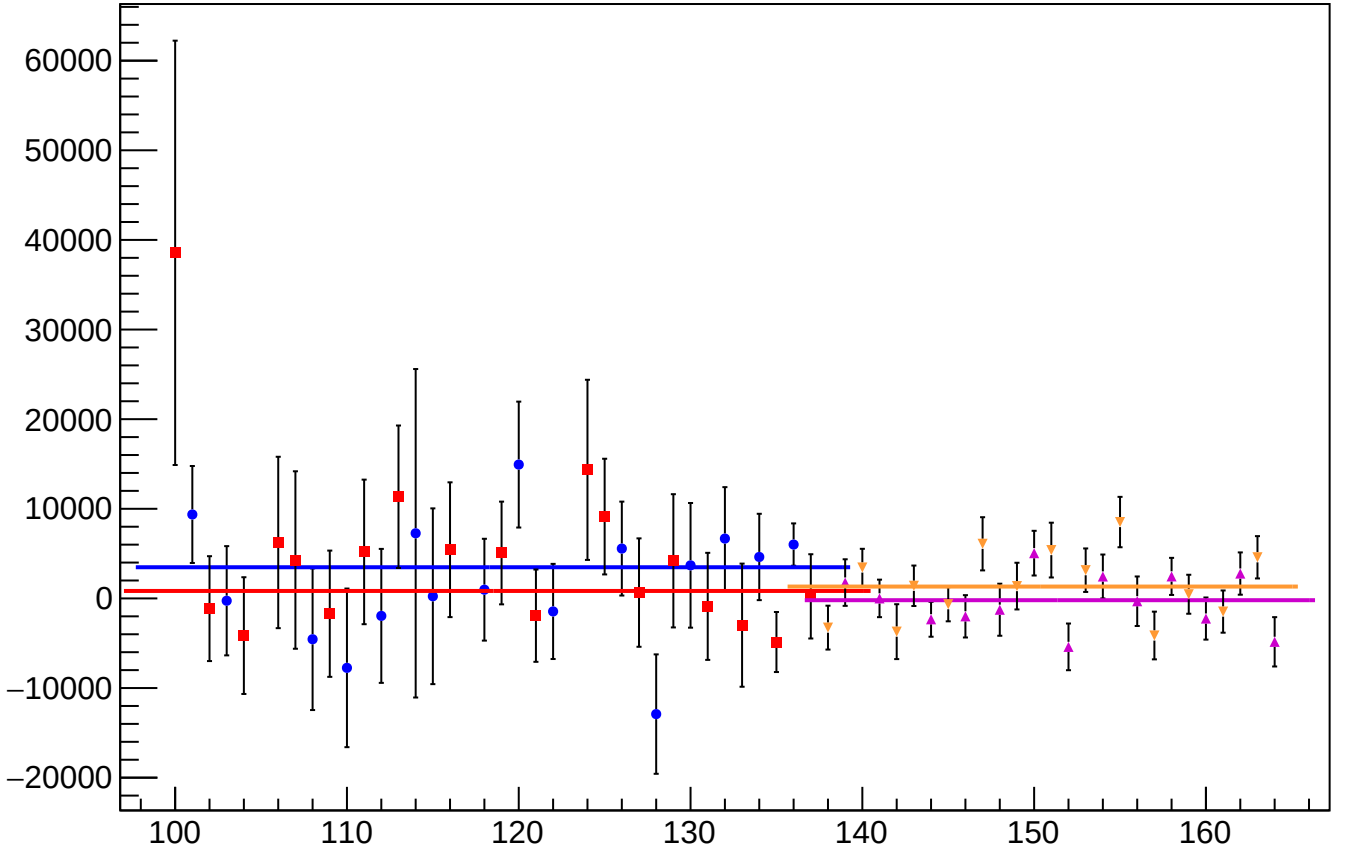
Left In: 2213.483+/-0.476 χ^2/NDF:230940.8/12

\+ sign 2428.865+/-0.420 χ^2/NDF: 3245527.7/29

All: 2462.621+/-0.301 χ^2/NDF: 6685278.6/61

\- 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: 1323.258+/-652.219 χ^2/NDF:27.5/13

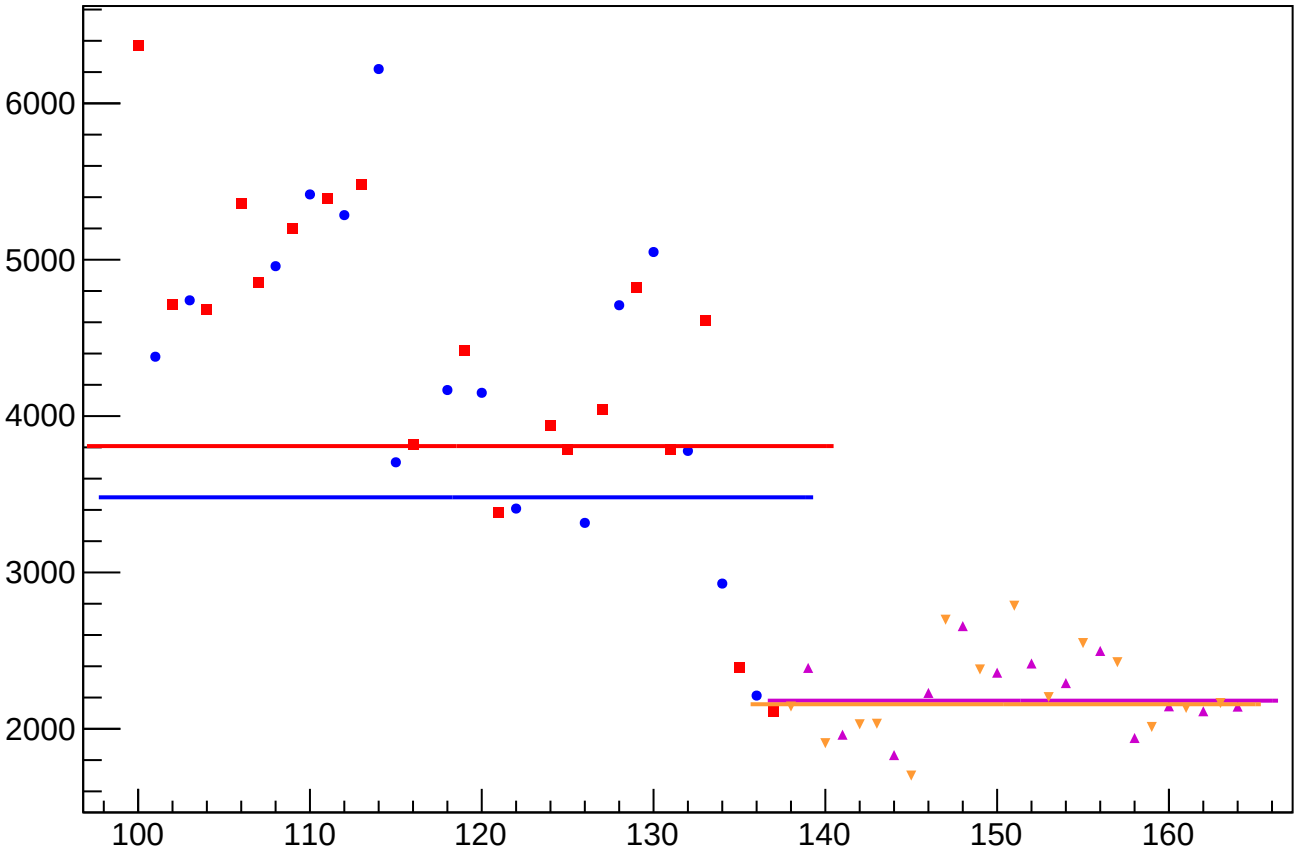
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -198.375+/-663.611 χ^2/NDF:18.9/12

+ sign 1726.061+/-588.117 χ^2/NDF: 45.8/29

All: 875.529+/-421.159 χ^2/NDF: 83.5/61

- 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: 2157.164+/-0.461 χ^2/NDF:387376.8/13

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

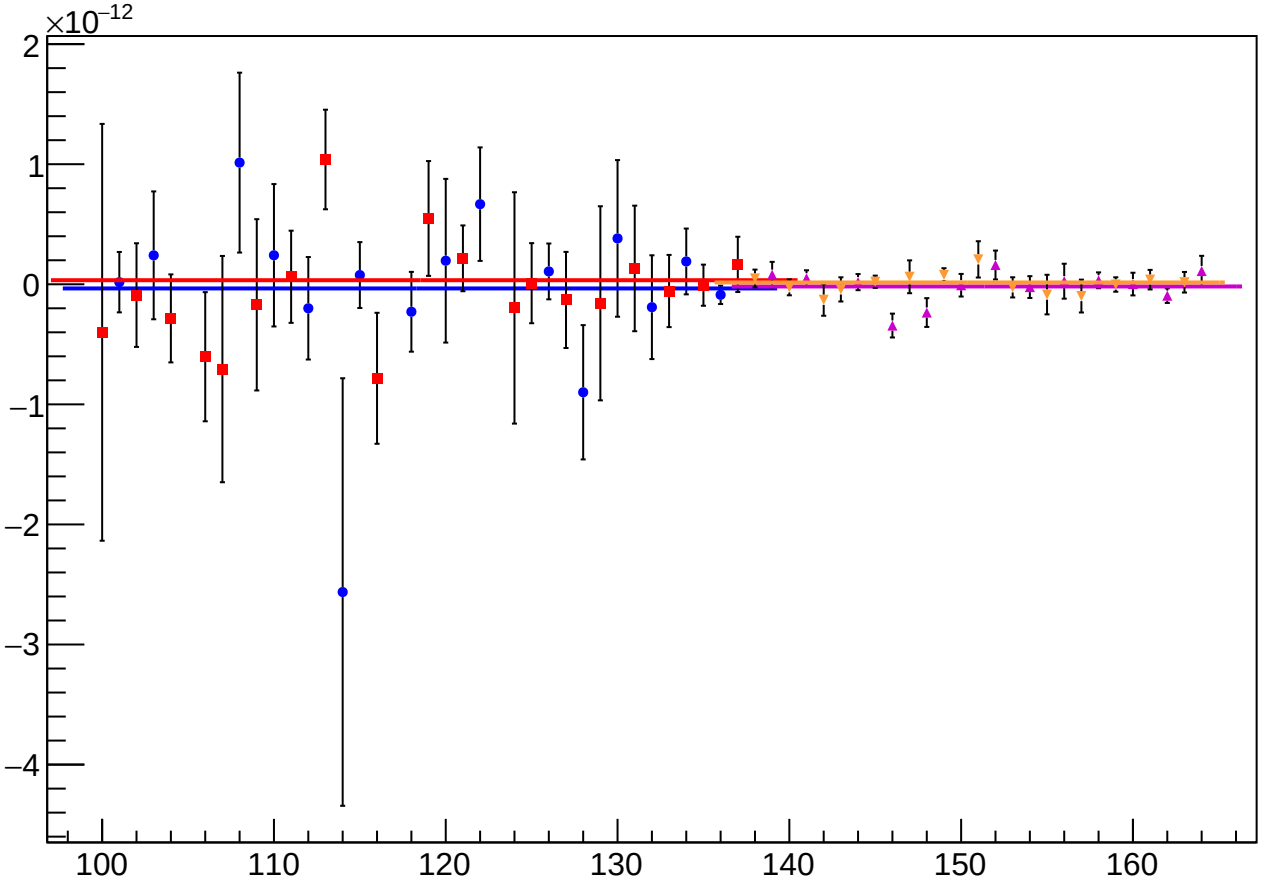
Left In: 2180.026+/-0.469 χ^2/NDF:240187.9/12

+ sign 2404.514+/-0.416 χ^2/NDF: 3223040.0/29

All: 2432.569+/-0.298 χ^2/NDF: 6705844.4/61

- sign 2462.100+/-0.427 χ^2/NDF: 3473462.9/31

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/13

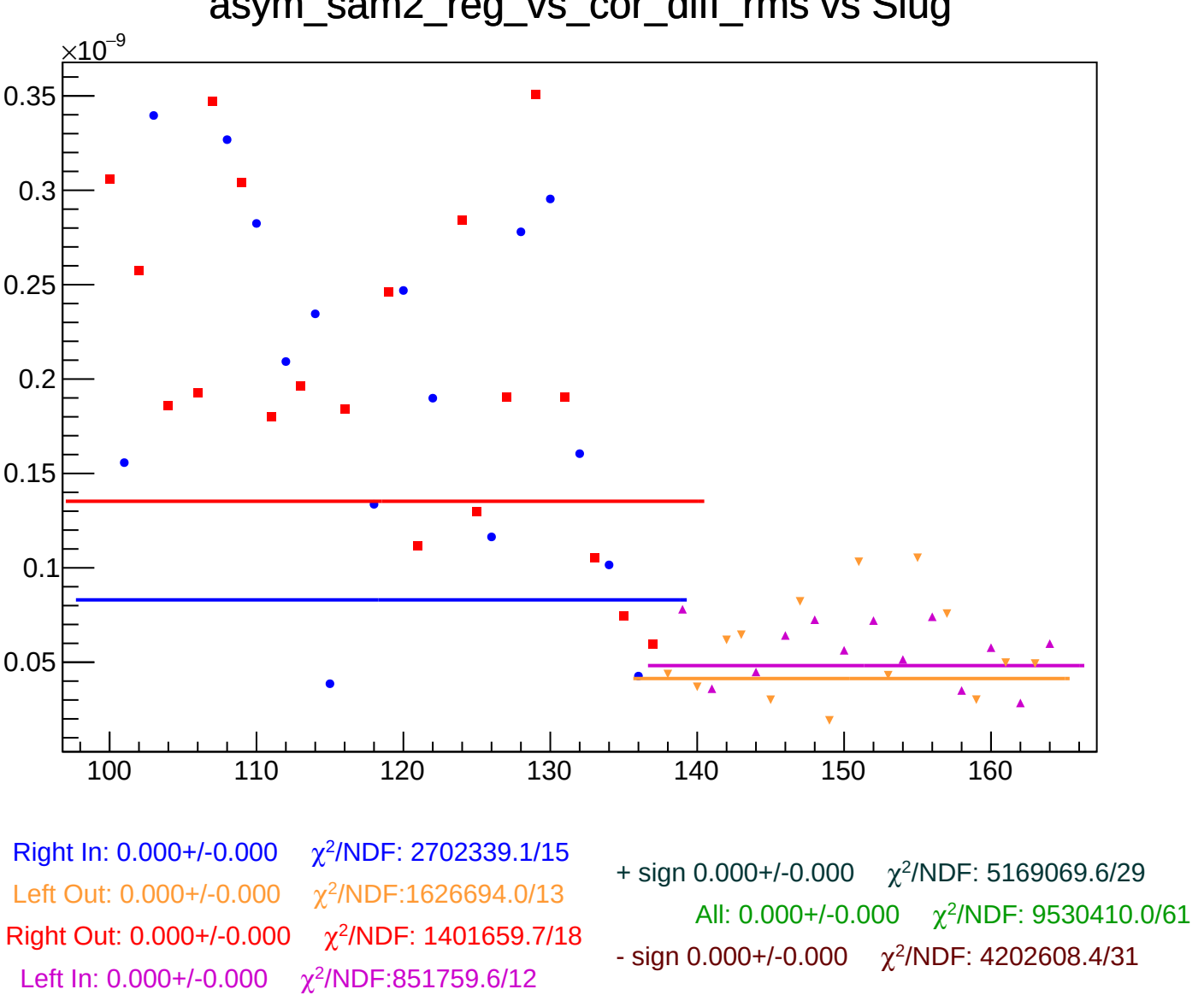
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.8/12

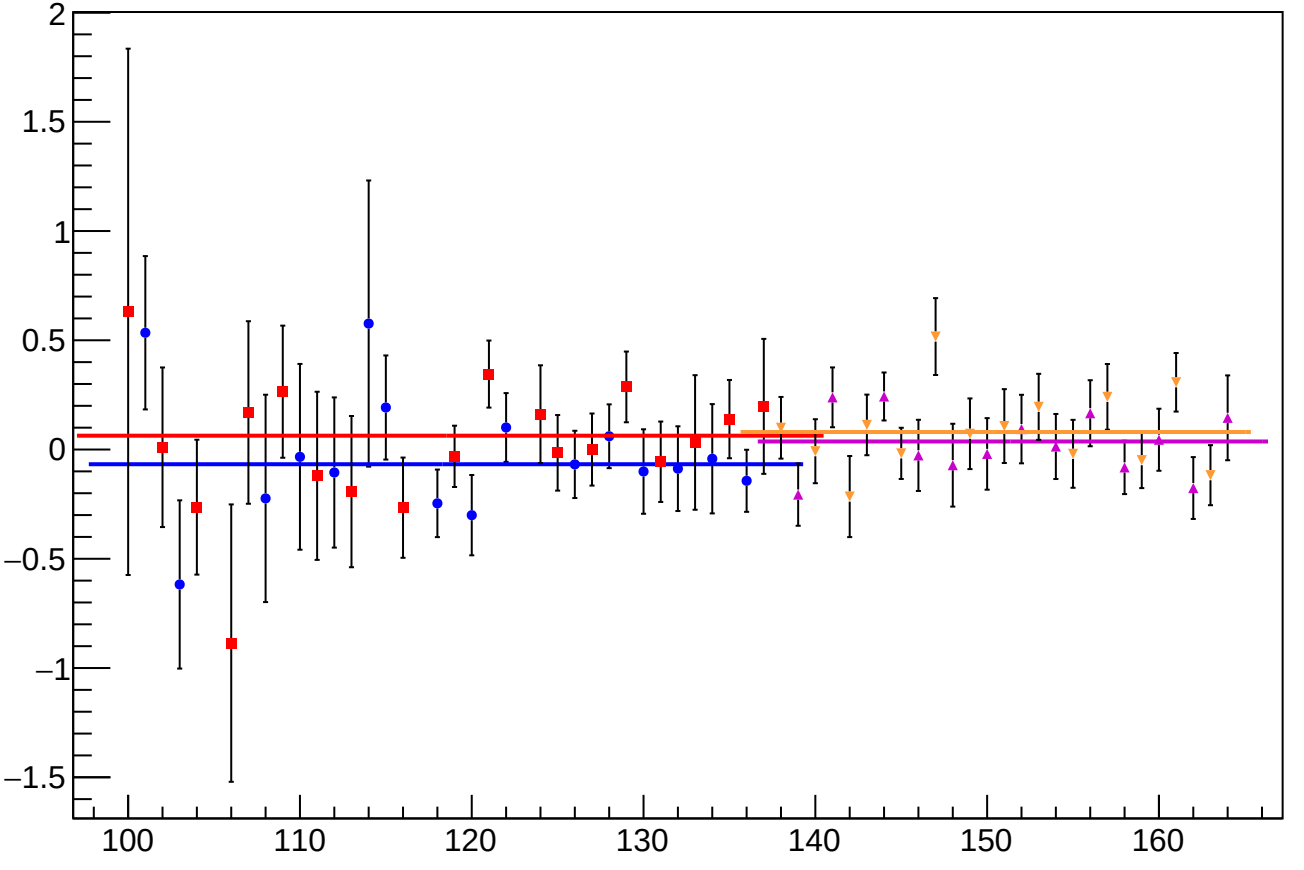
+ sign 0.000+/-0.000 χ^2/NDF: 19.1/29

All: -0.000+/-0.000 χ^2/NDF: 55.4/61

- sign -0.000+/-0.000 χ^2/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:1626694.0/13
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: 5169069.6/29
All: 0.000+/-0.000 χ²/NDF: 9530410.0/61
- 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: 0.080+/-0.039 χ^2/NDF:18.0/13

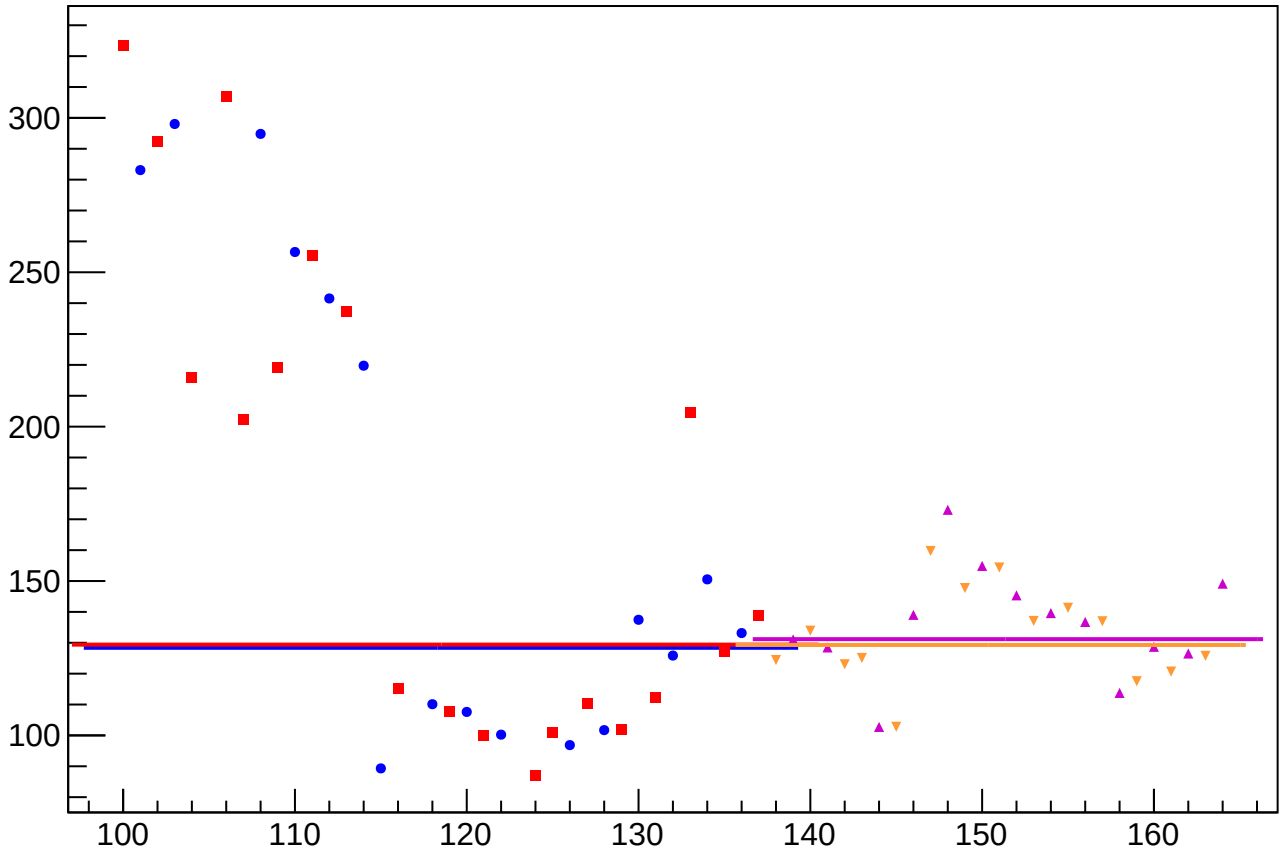
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.037+/-0.022 χ^2/NDF: 63.6/61

- sign 0.047+/-0.032 χ^2/NDF: 27.8/31



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

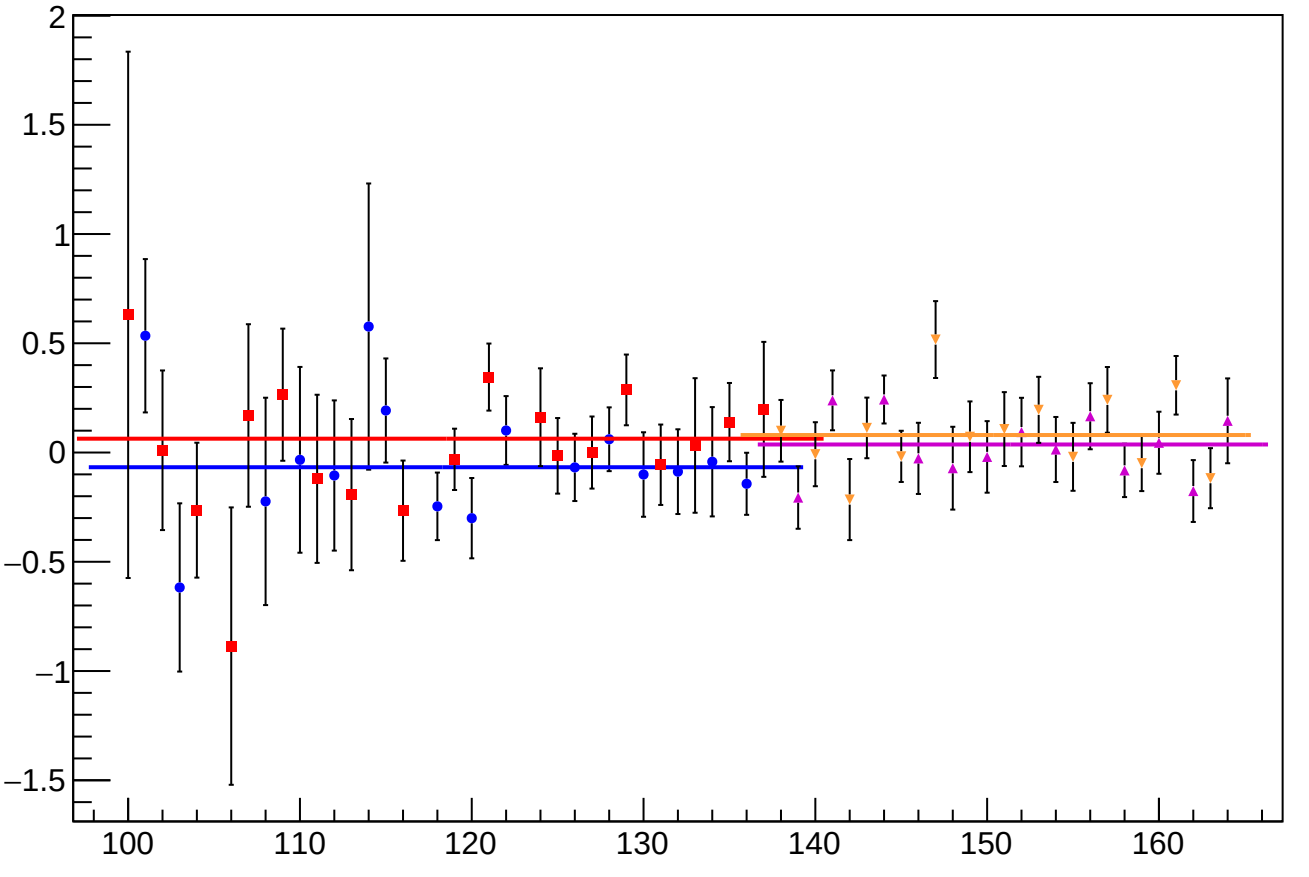
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

+ sign 128.961+/-0.022 χ^2/NDF: 2095134.4/29

All: 129.713+/-0.016 χ^2/NDF: 4352537.7/61

- sign 130.498+/-0.023 χ^2/NDF: 2255024.8/31



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

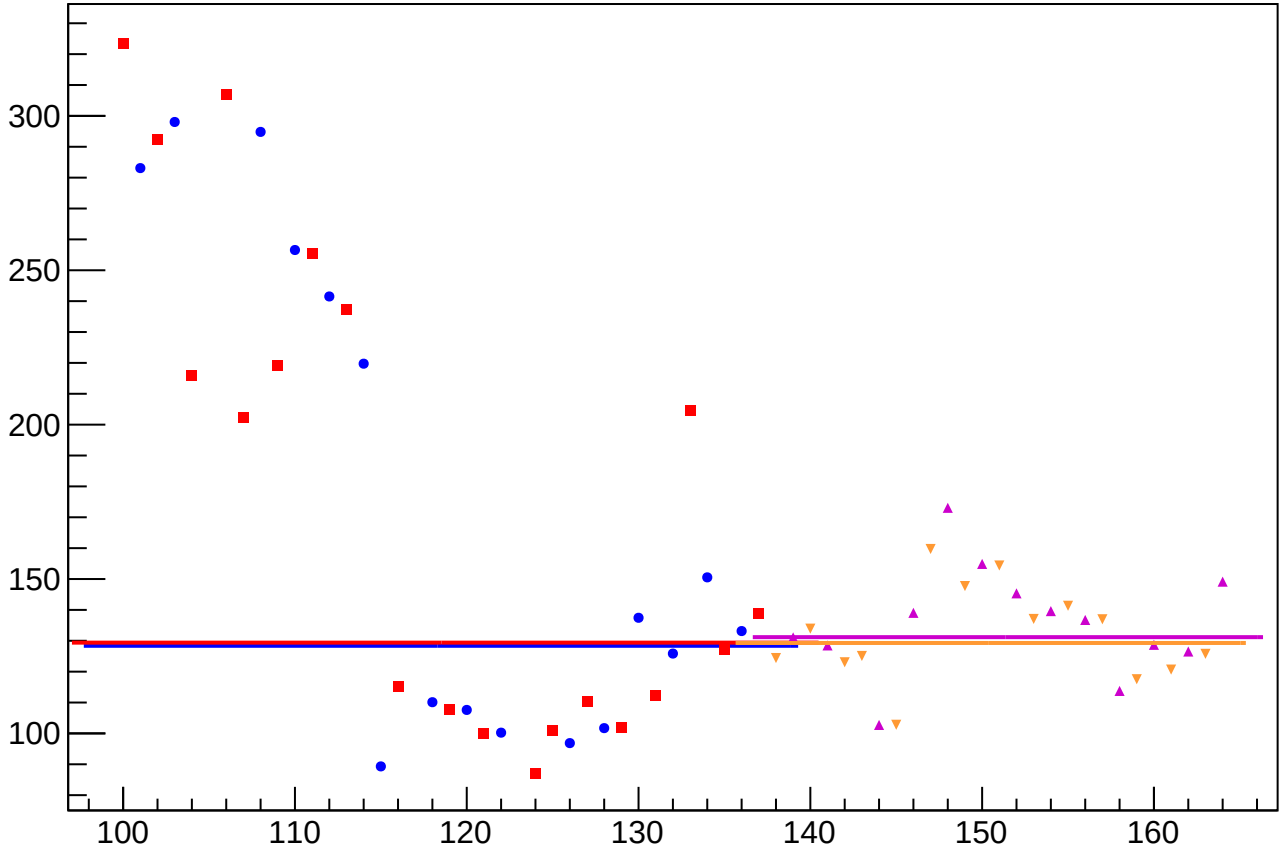
Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.037+/-0.022 χ^2/NDF: 63.6/61

- 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: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

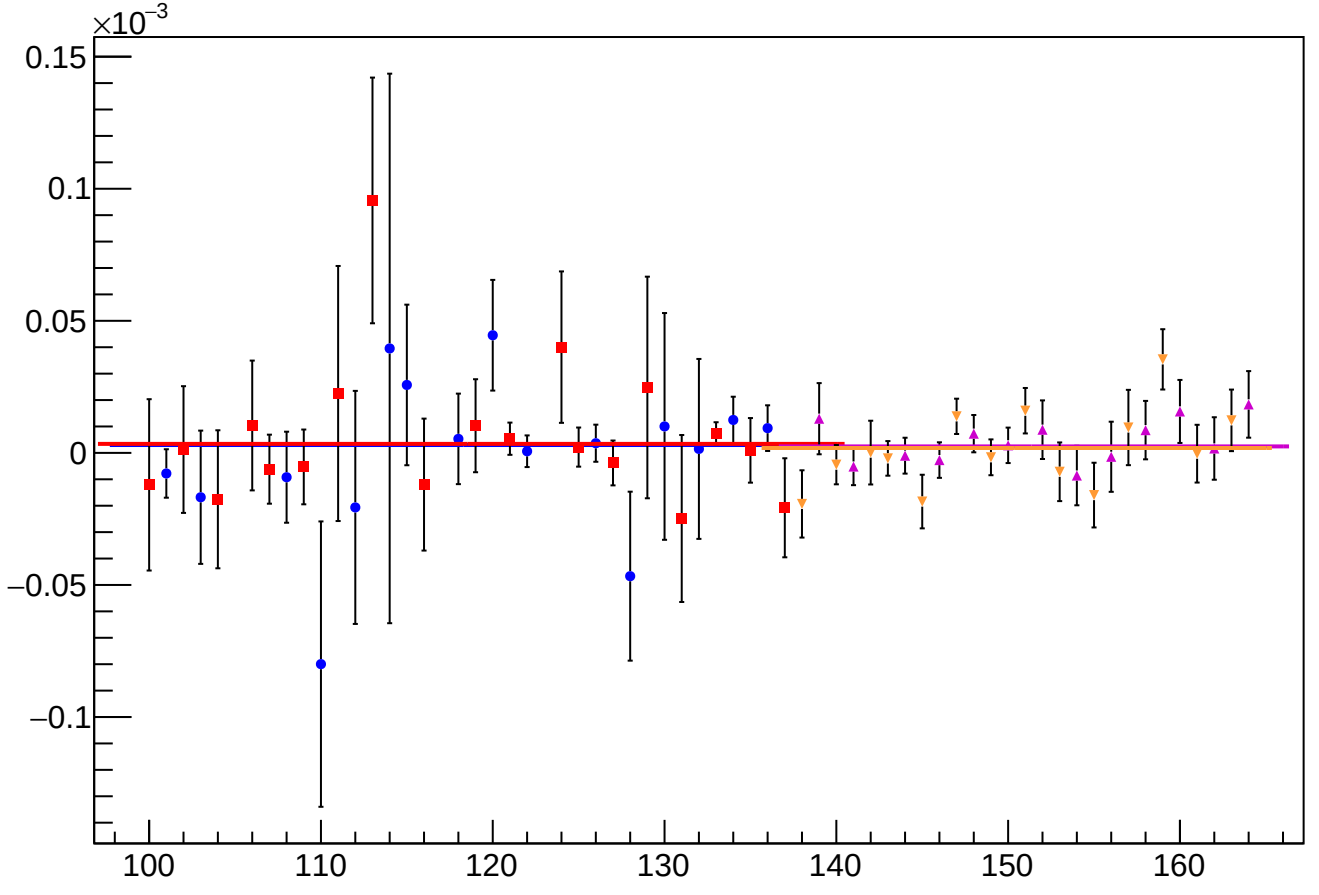
Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

+ sign 128.961+/-0.022 χ^2/NDF: 2095134.4/29

All: 129.713+/-0.016 χ^2/NDF: 4352537.7/61

- 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:26.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

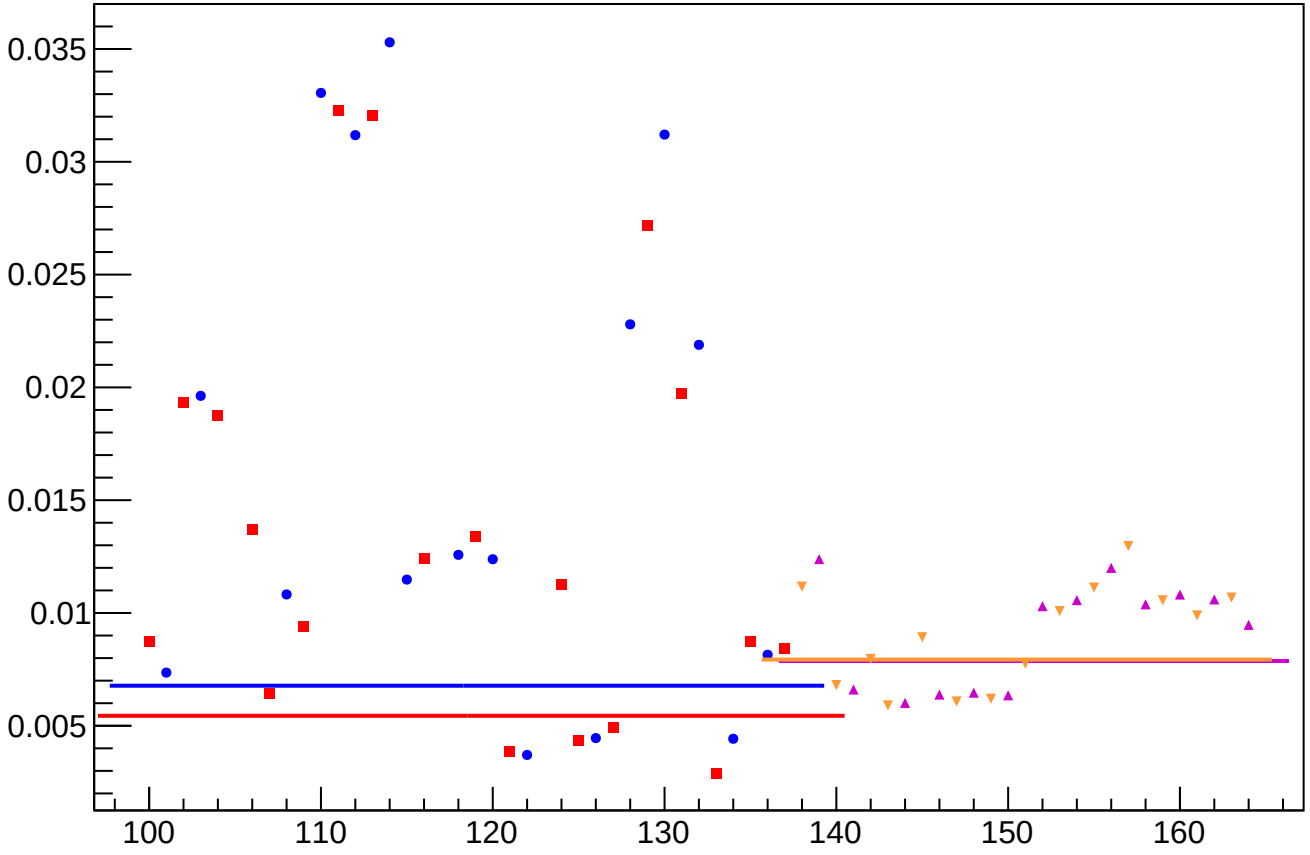
Left In: 0.000+/-0.000 χ^2/NDF:7.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/29

All: 0.000+/-0.000 χ^2/NDF: 61.1/61

- 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:1414873.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

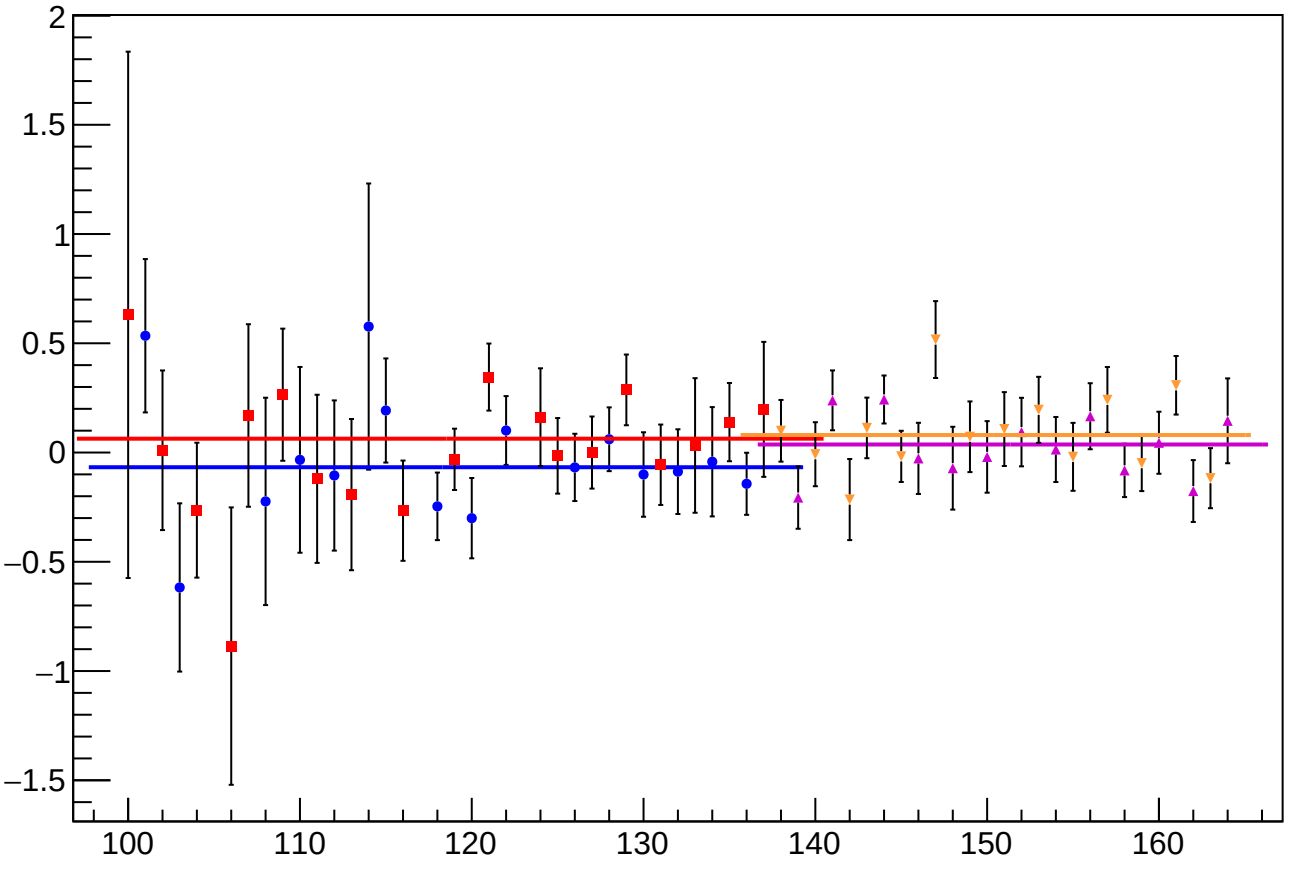
Left In: 0.008+/-0.000 χ^2/NDF:1486575.6/12

+ sign 0.007+/-0.000 χ^2/NDF: 6356150.2/29

All: 0.007+/-0.000 χ^2/NDF: 14504403.7/61

- sign 0.007+/-0.000 χ^2/NDF: 7971485.6/31

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

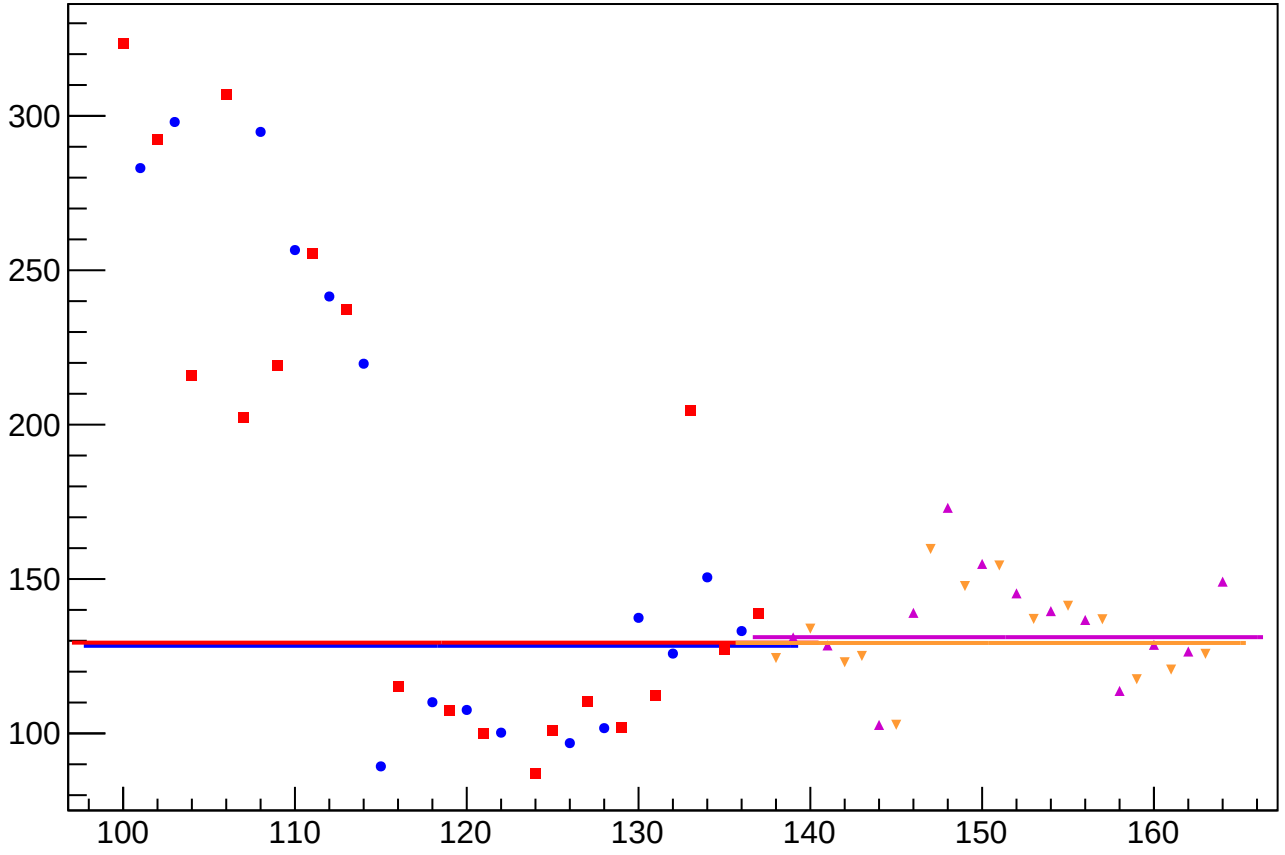
Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.037+/-0.022 χ^2/NDF: 63.6/61

- 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: 129.292+/-0.028 χ^2/NDF:289688.8/13

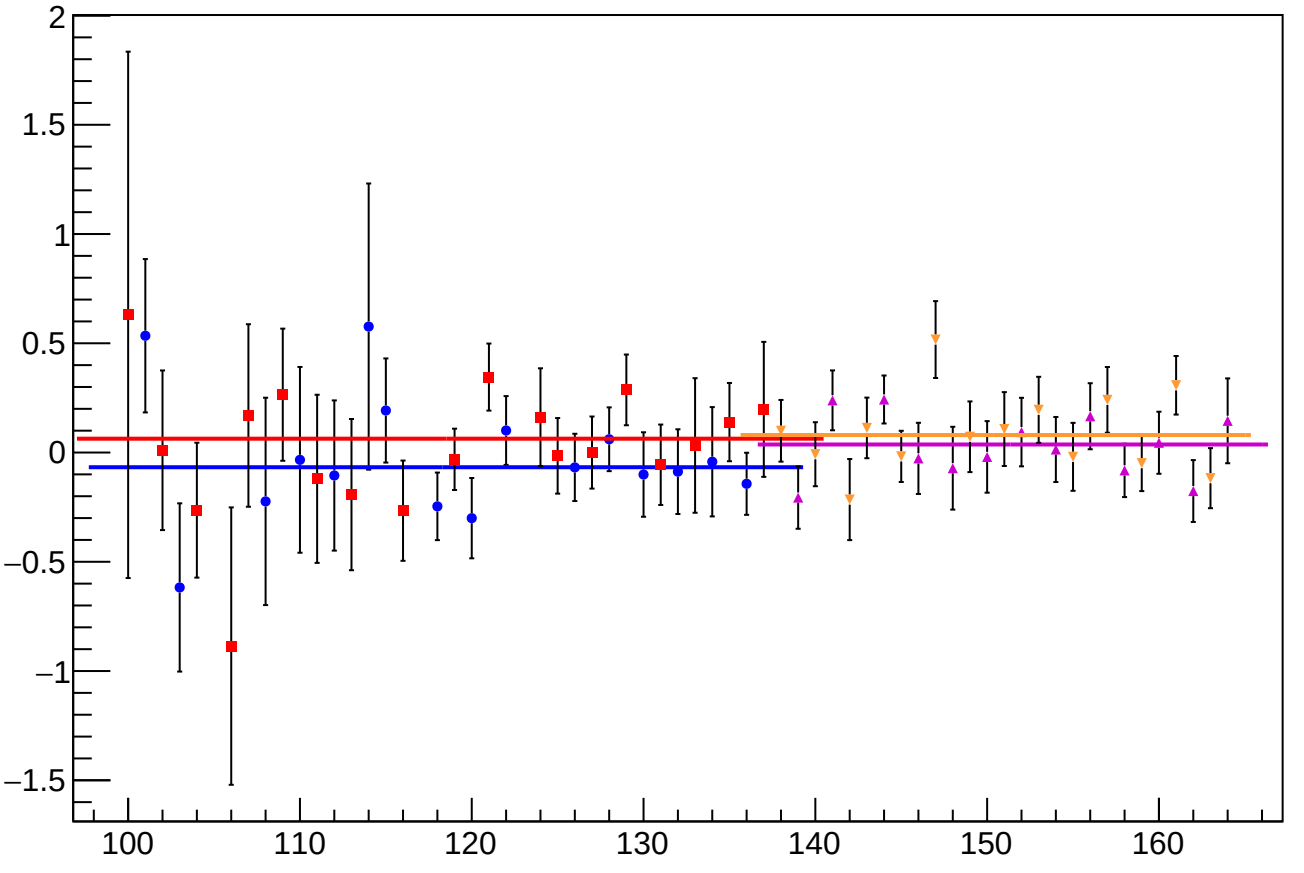
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.173+/-0.029 χ^2/NDF:365312.1/12

+ sign 128.960+/-0.022 χ^2/NDF: 2095113.9/29

All: 129.712+/-0.016 χ^2/NDF: 4352545.4/61

- 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: 0.080+/-0.039 χ^2/NDF:18.0/13

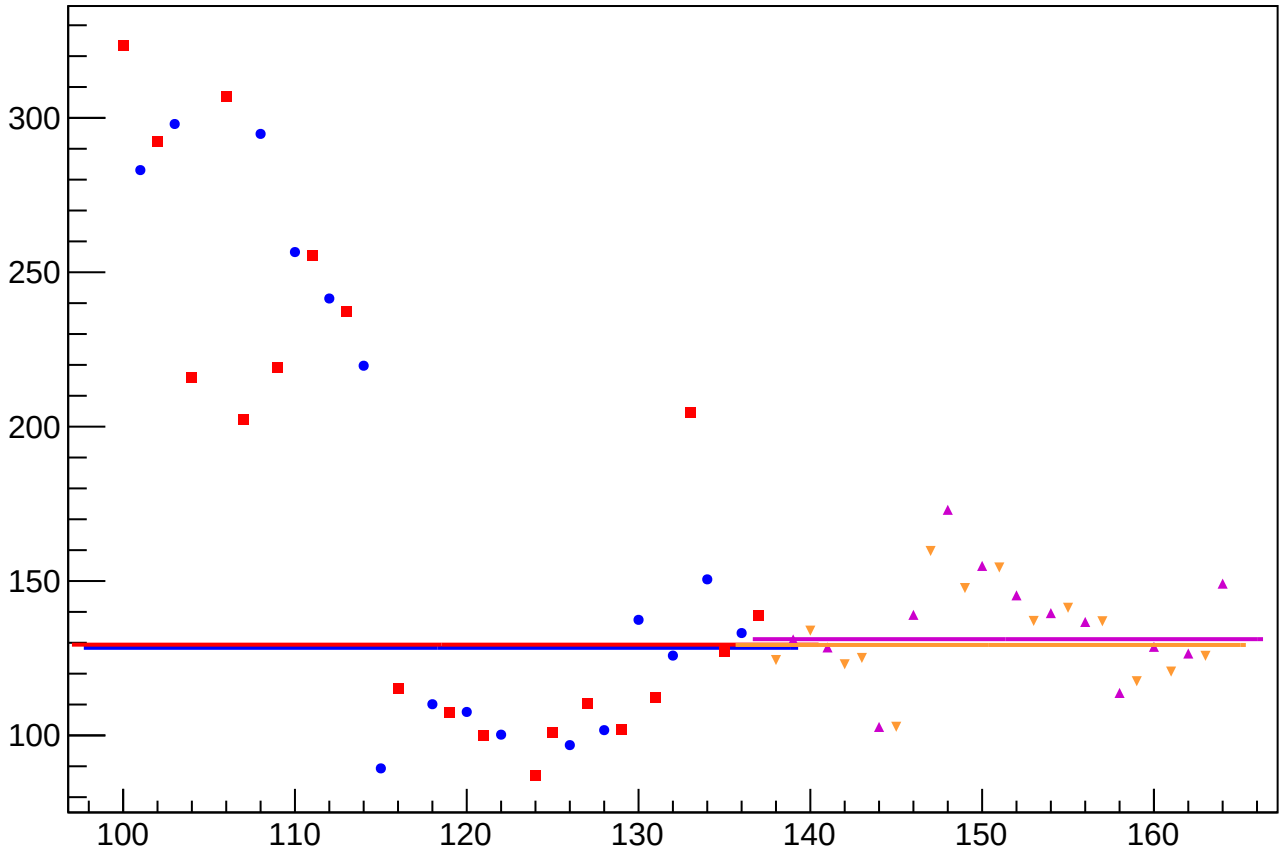
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.037+/-0.022 χ^2/NDF: 63.6/61

- 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: 129.292+/-0.028 χ^2/NDF:289688.8/13

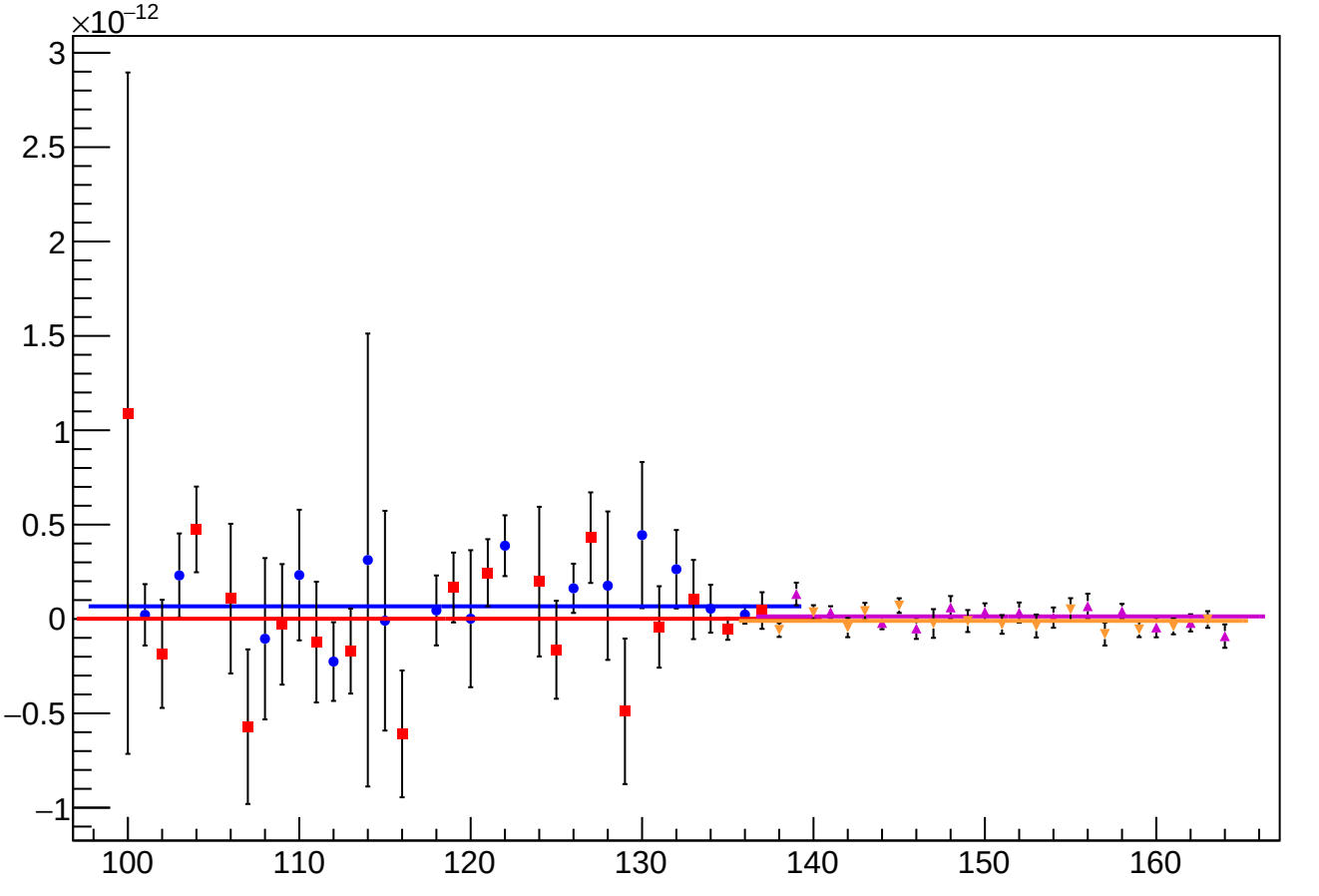
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.173+/-0.029 χ^2/NDF:365312.1/12

+ sign 128.960+/-0.022 χ^2/NDF: 2095113.9/29

All: 129.712+/-0.016 χ^2/NDF: 4352545.4/61

- sign 130.497+/-0.023 χ^2/NDF: 2255053.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

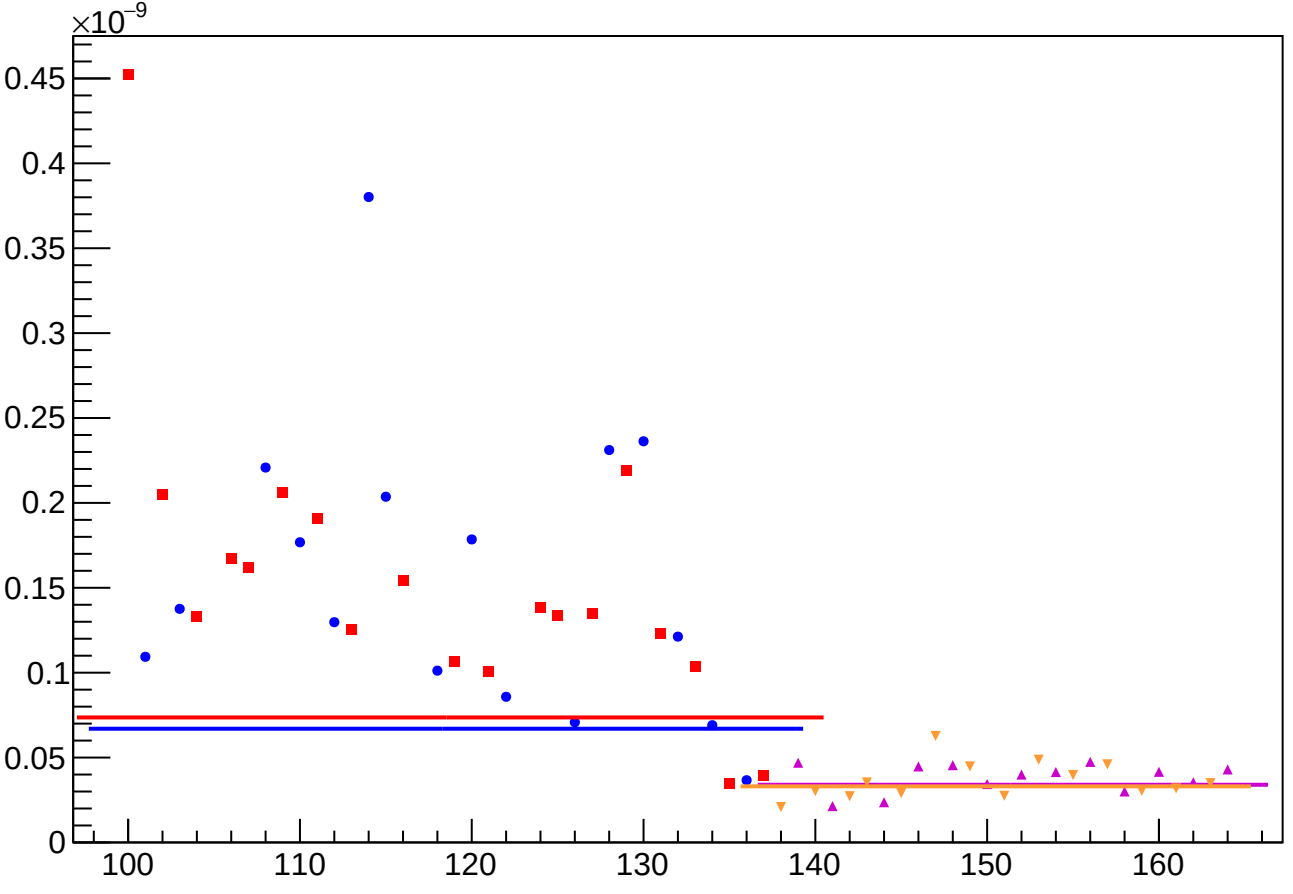
Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/29

All: 0.000+/-0.000 χ^2/NDF: 63.2/61

- 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:954628.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

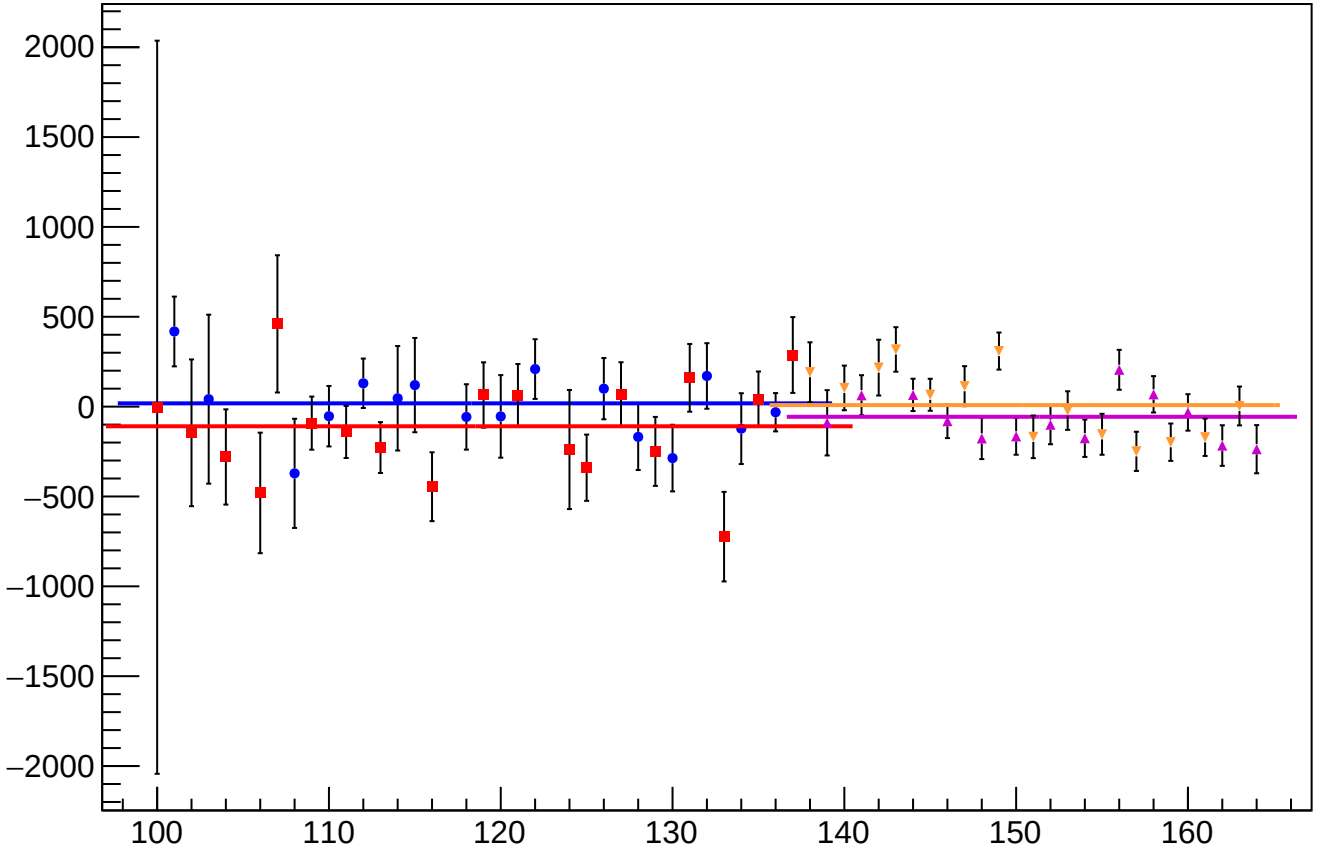
Left In: 0.000+/-0.000 χ^2/NDF:999246.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5711492.8/29

All: 0.000+/-0.000 χ^2/NDF: 12201415.6/61

- 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: 8.547+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

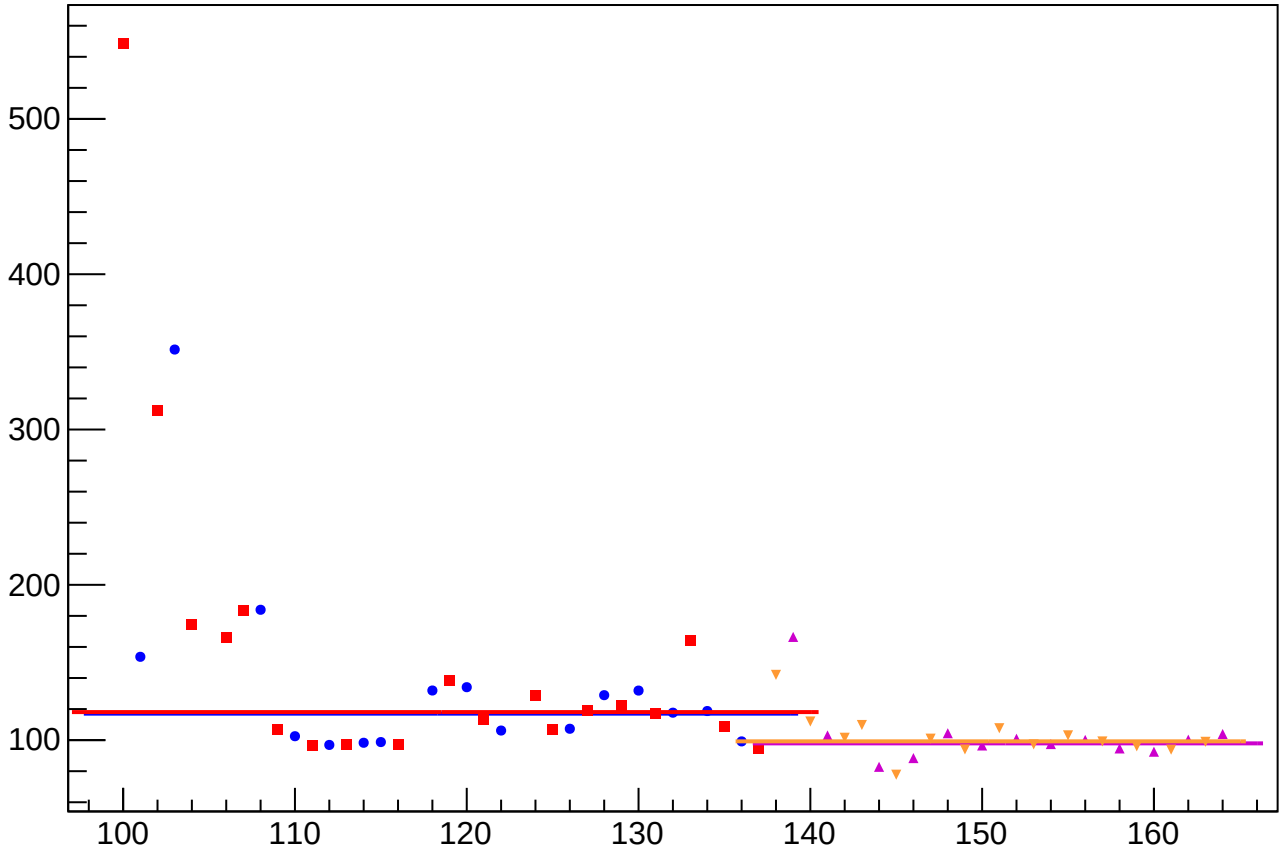
Left In: -56.583+/-30.100 χ^2/NDF:17.7/12

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -30.550+/-17.796 χ^2/NDF: 100.1/61

- 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: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

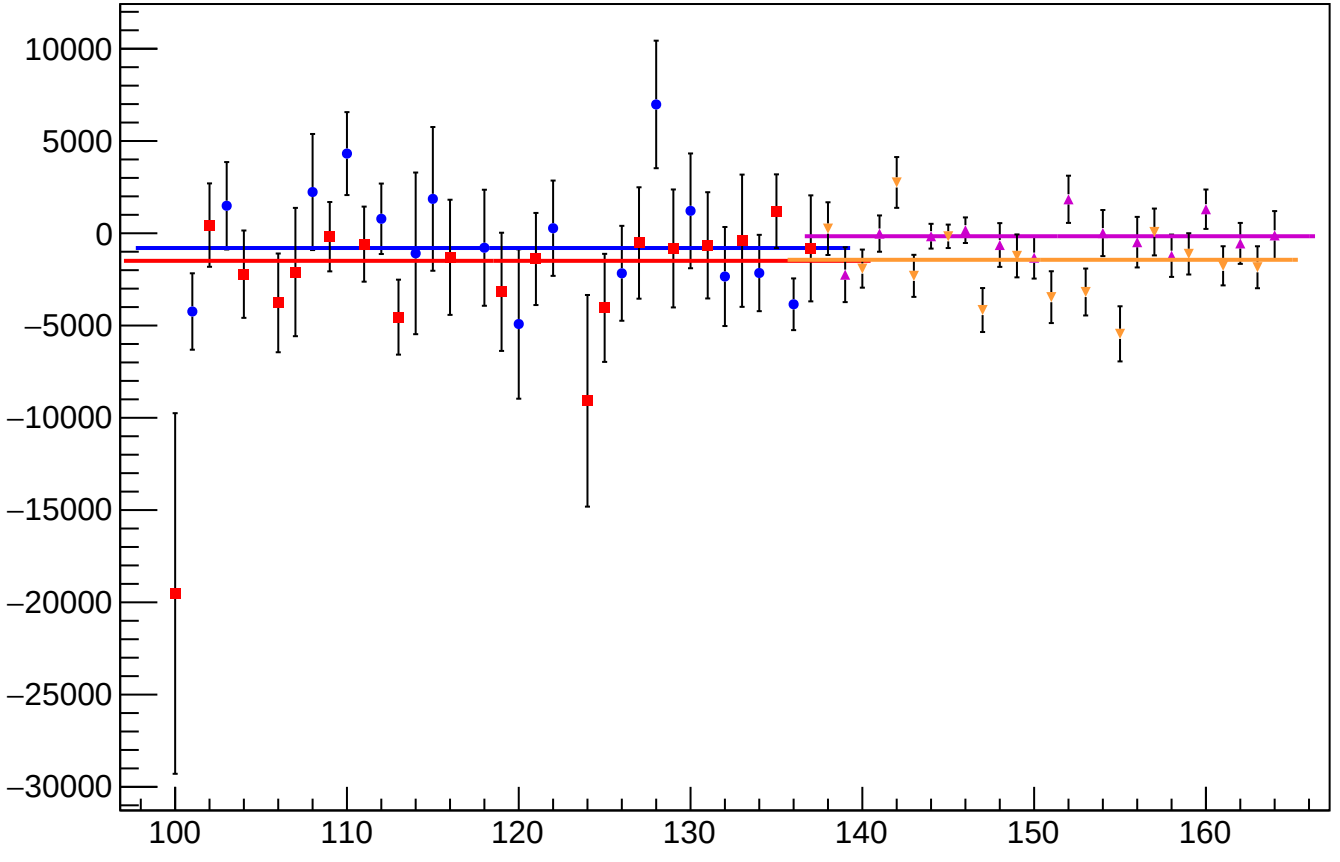
Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 104.634+/-0.018 χ^2/NDF: 1382064.7/29

All: 104.309+/-0.013 χ^2/NDF: 3030294.2/61

- 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: -1437.713+/-297.413 χ^2/NDF:33.6/13

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

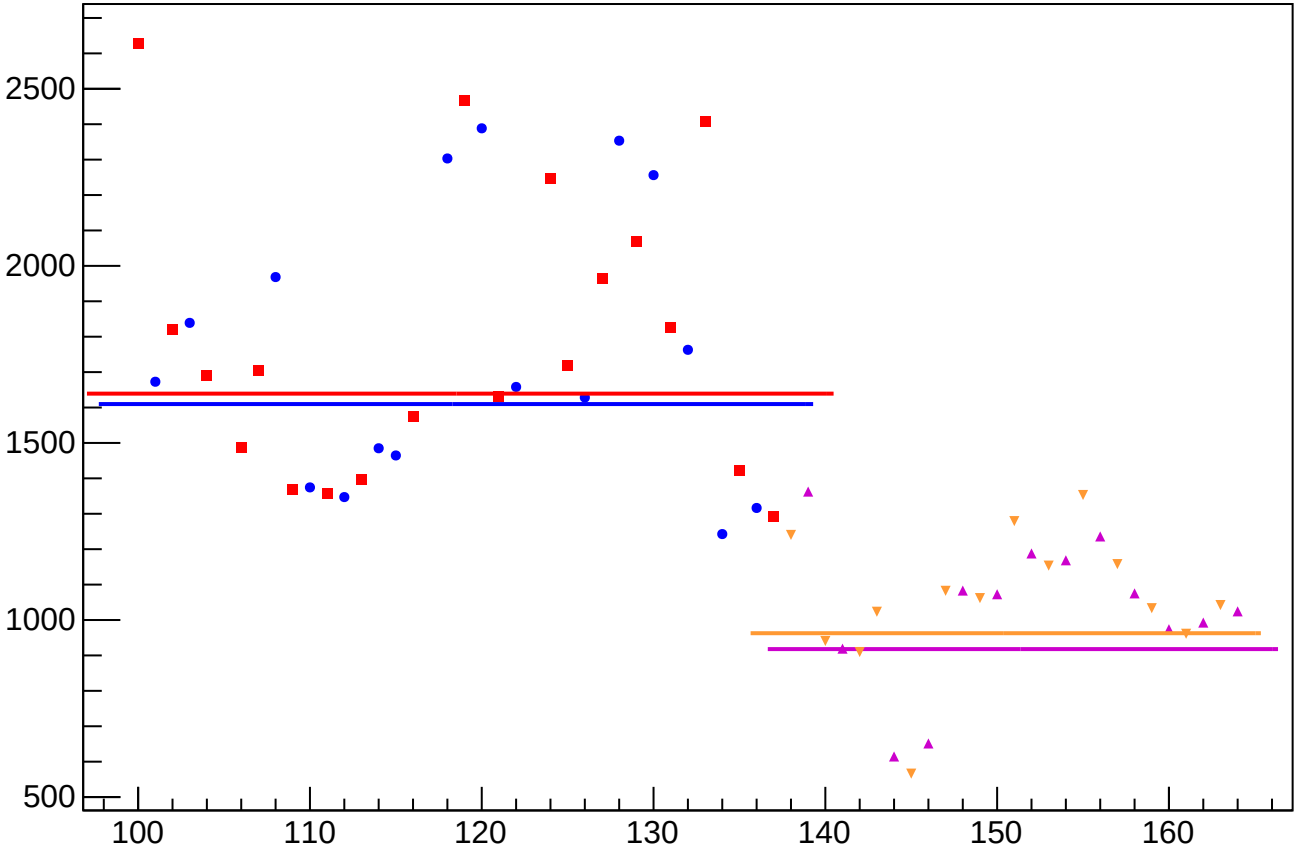
Left In: -160.693+/-287.671 χ^2/NDF:8.8/12

+ sign -1316.998+/-267.831 χ^2/NDF: 57.9/29

All: -846.294+/-186.713 χ^2/NDF: 89.5/61

- 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: 962.732+/-0.210 χ^2/NDF:1247465.3/13

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

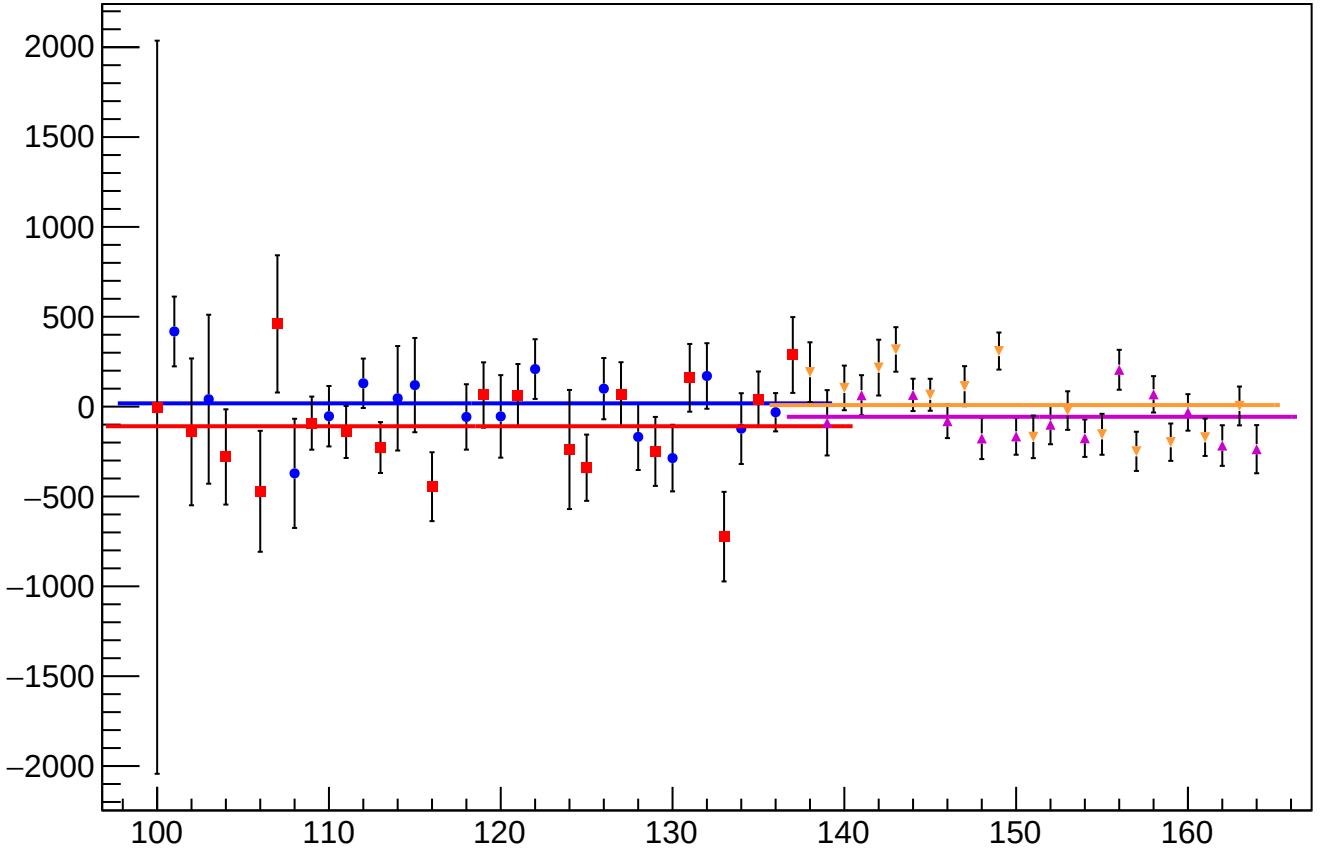
Left In: 917.873+/-0.203 χ^2/NDF:1301389.7/12

+ sign 1085.048+/-0.189 χ^2/NDF: 3656098.1/29

All: 1066.022+/-0.132 χ^2/NDF: 7766485.6/61

- 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: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

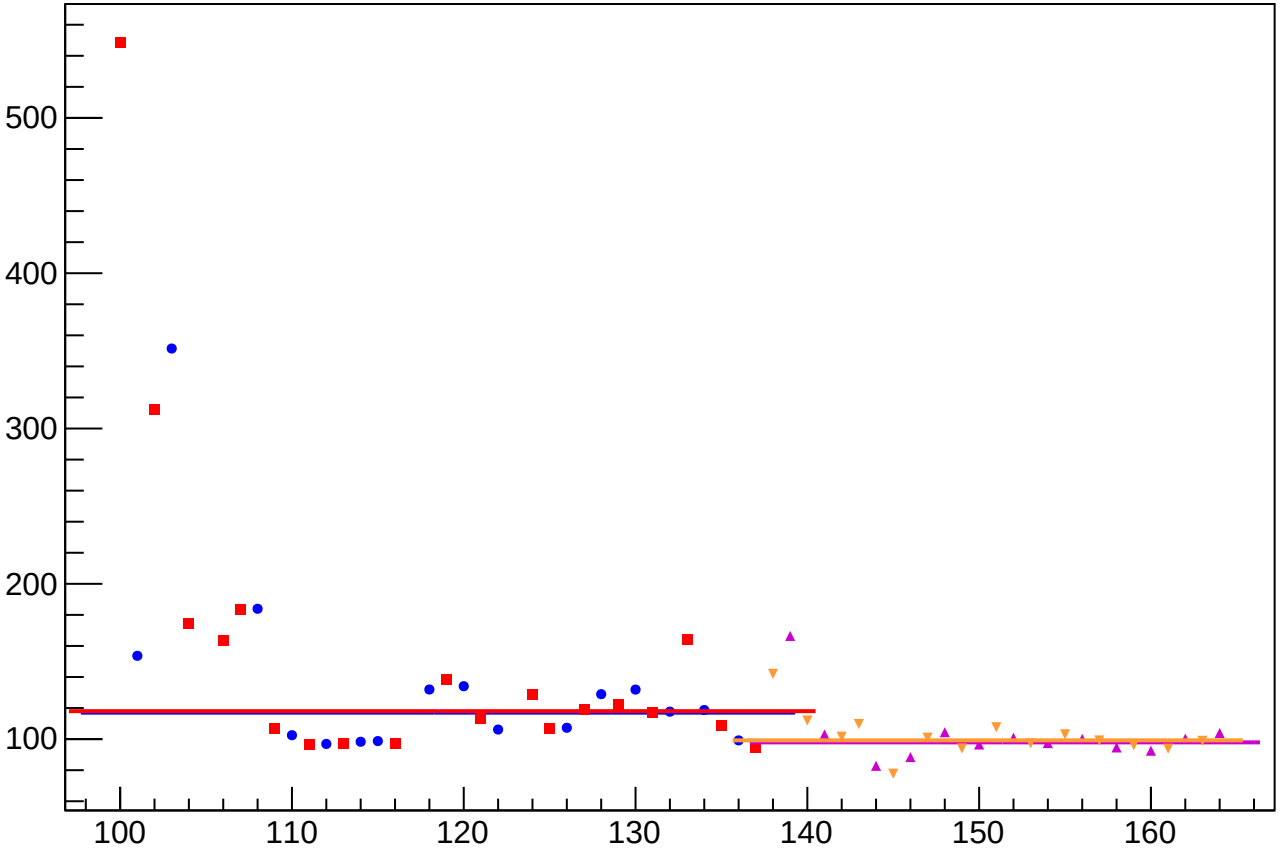
Left In: -56.584+/-30.100 χ^2/NDF:17.7/12

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -30.506+/-17.797 χ^2/NDF: 100.0/61

- 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: 99.219+/-0.021 χ^2/NDF:311334.0/13

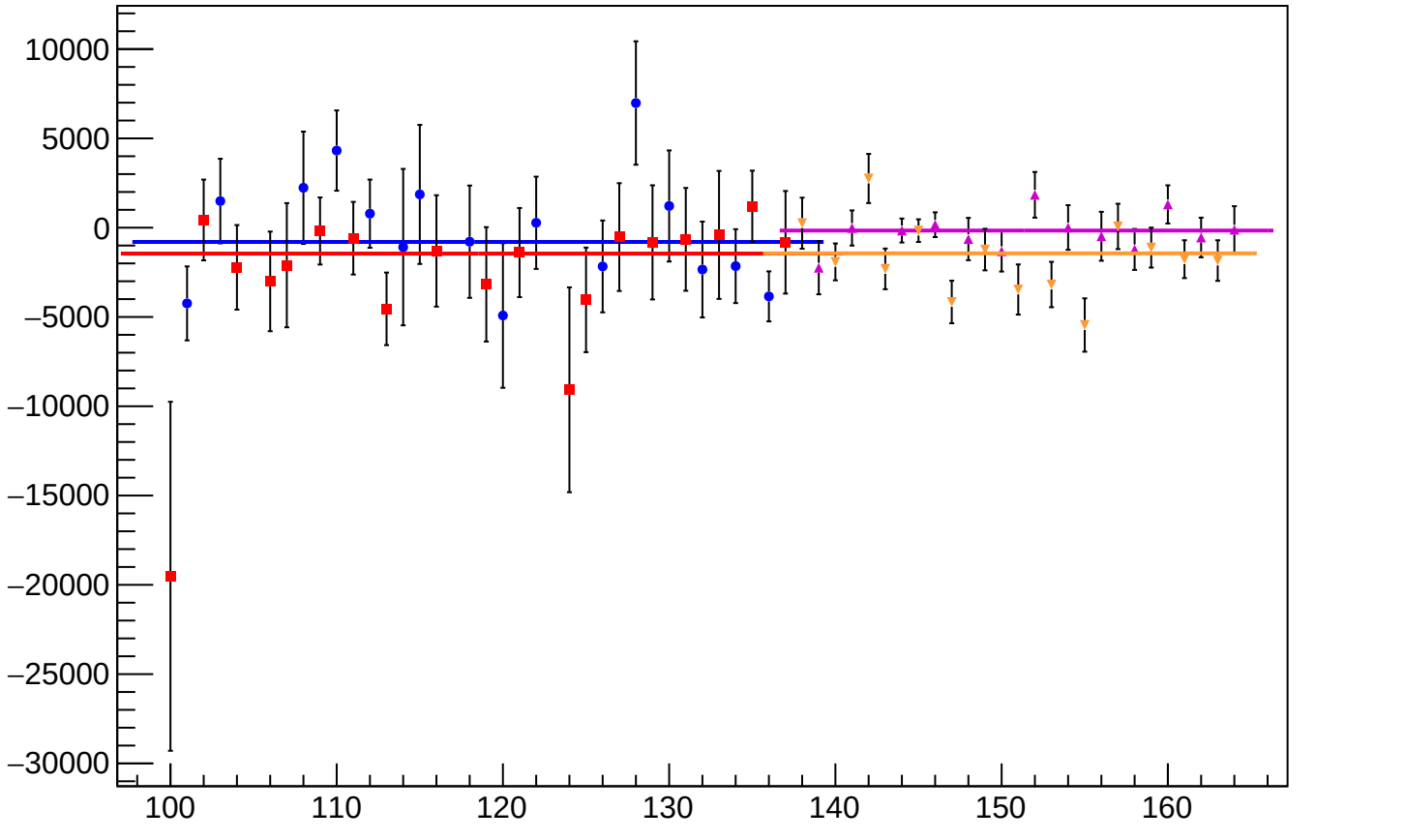
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 104.634+/-0.018 χ^2/NDF: 1382066.5/29

All: 104.301+/-0.013 χ^2/NDF: 3024724.3/61

- sign 103.969+/-0.018 χ^2/NDF: 1641959.2/31



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

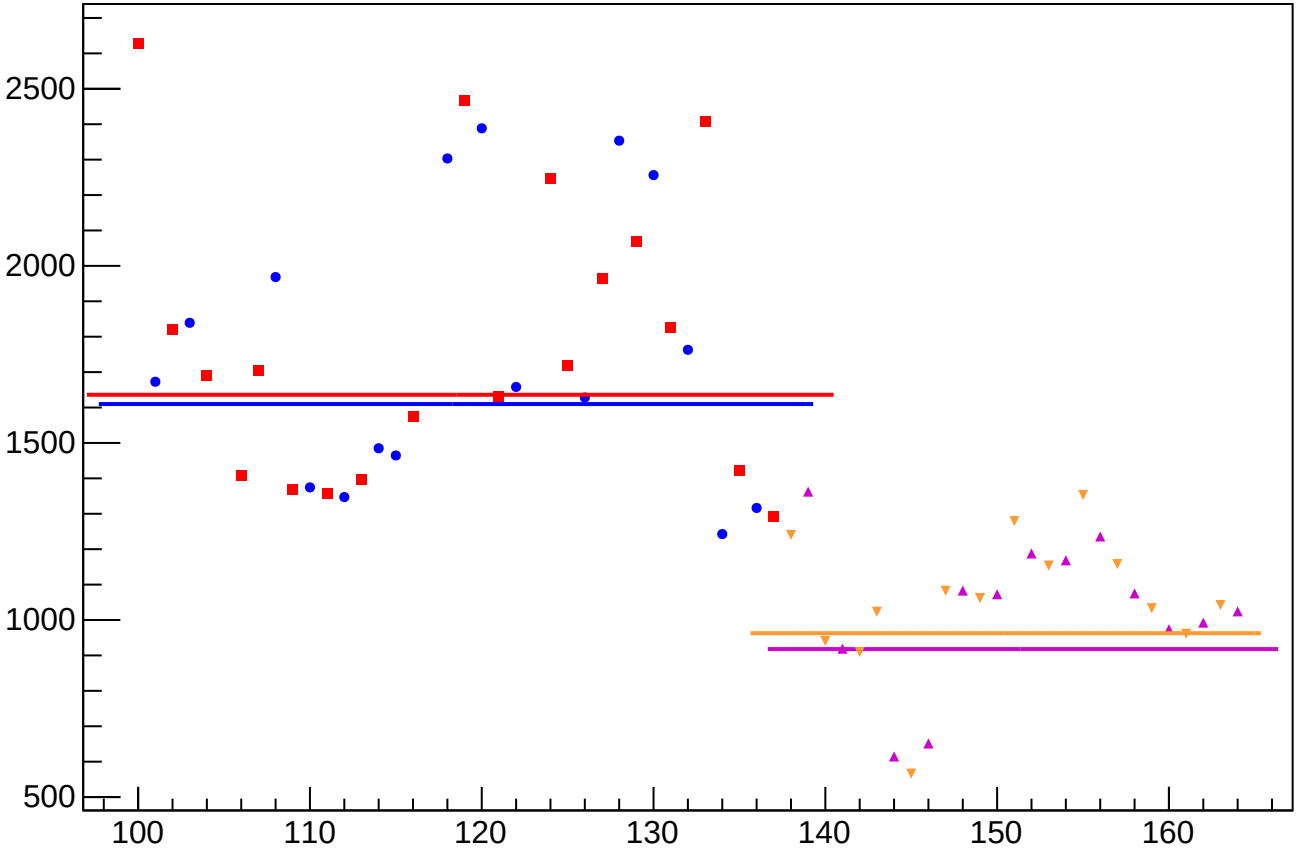
Left In: -160.698+/-287.671 χ^2/NDF:8.8/12

+ sign -1316.992+/-267.831 χ^2/NDF: 57.9/29

All: -841.830+/-186.751 χ^2/NDF: 88.9/61

- 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: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

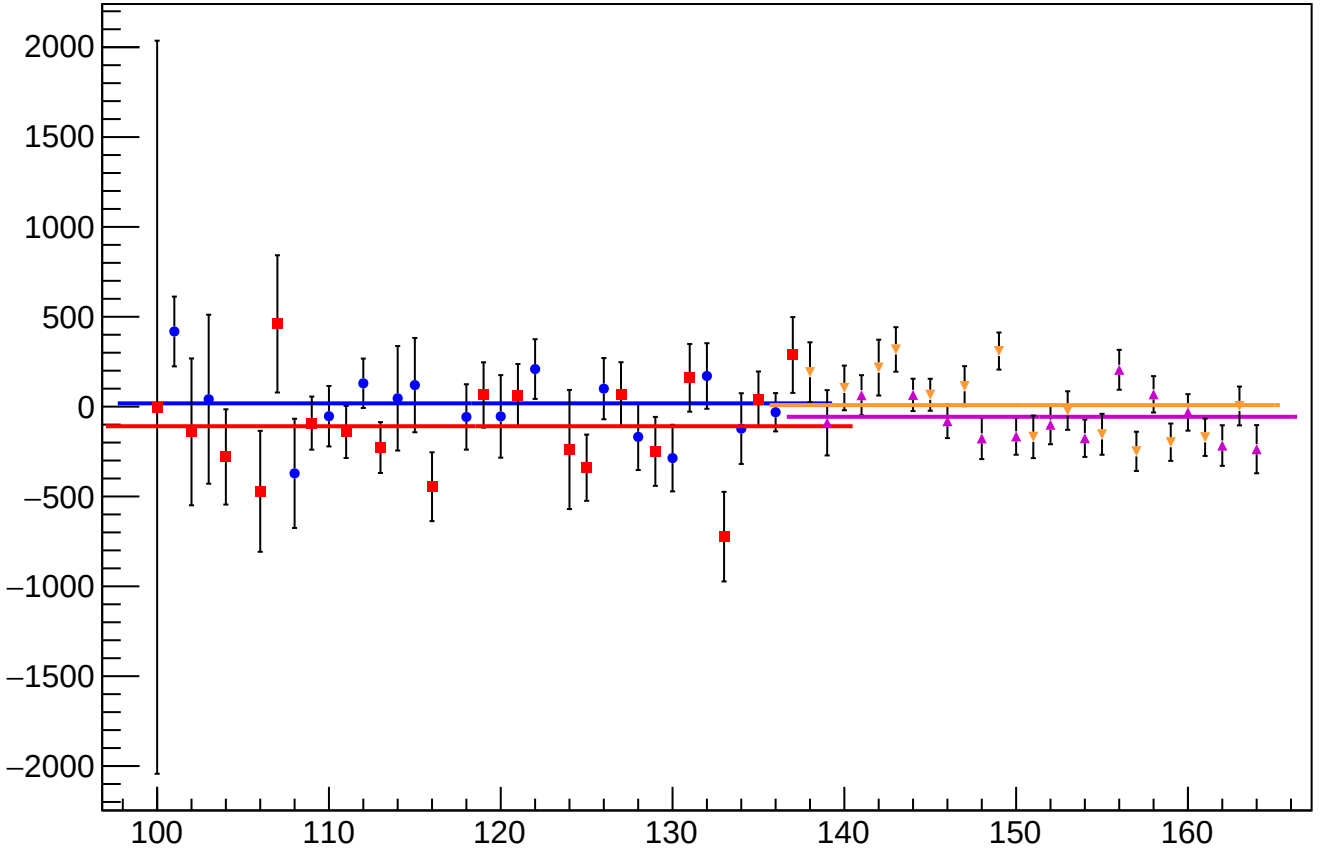
Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

+ sign 1085.048+/-0.189 χ^2/NDF: 3656160.8/29

All: 1065.493+/-0.132 χ^2/NDF: 7747163.0/61

- 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: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

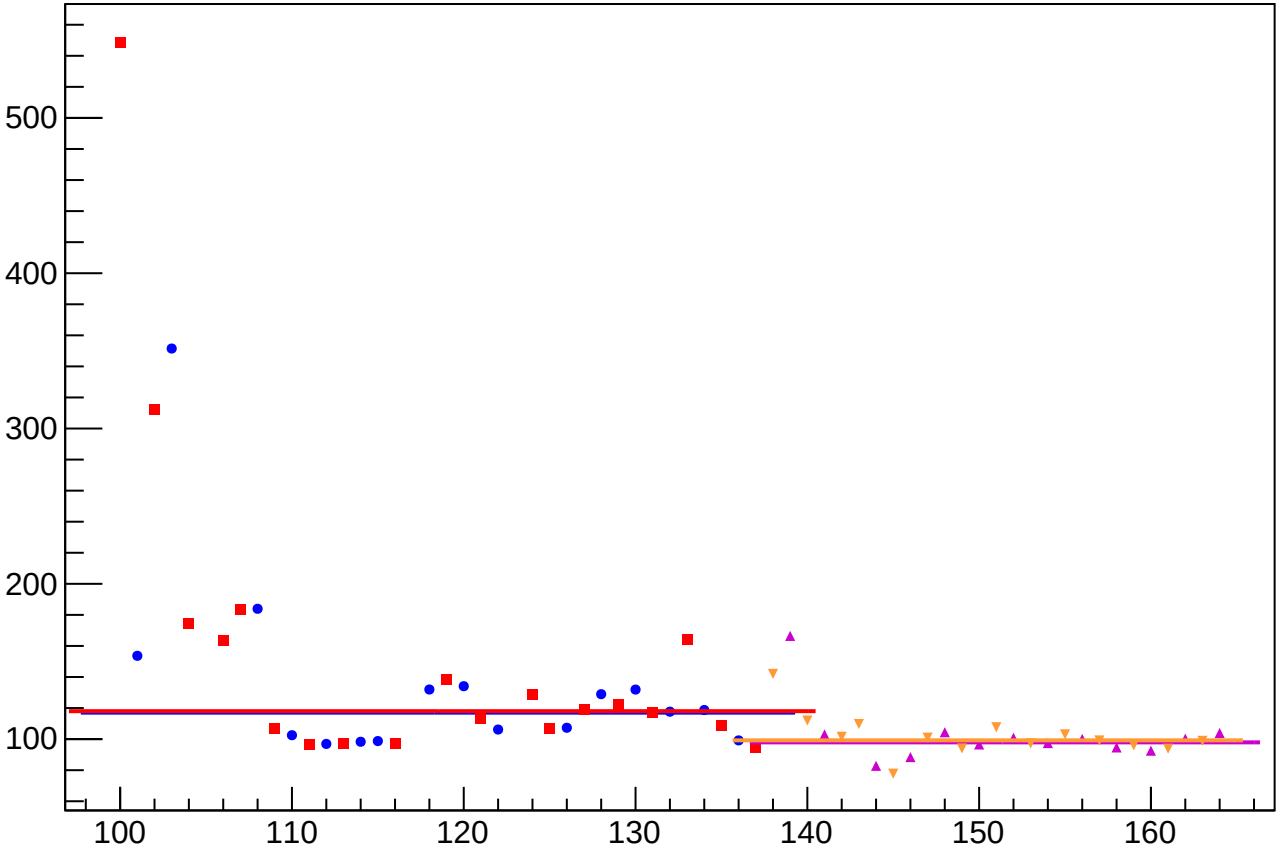
Left In: -56.584+/-30.100 χ^2/NDF:17.7/12

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -30.506+/-17.797 χ^2/NDF: 100.0/61

- 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: 99.219+/-0.021 χ^2/NDF:311334.0/13

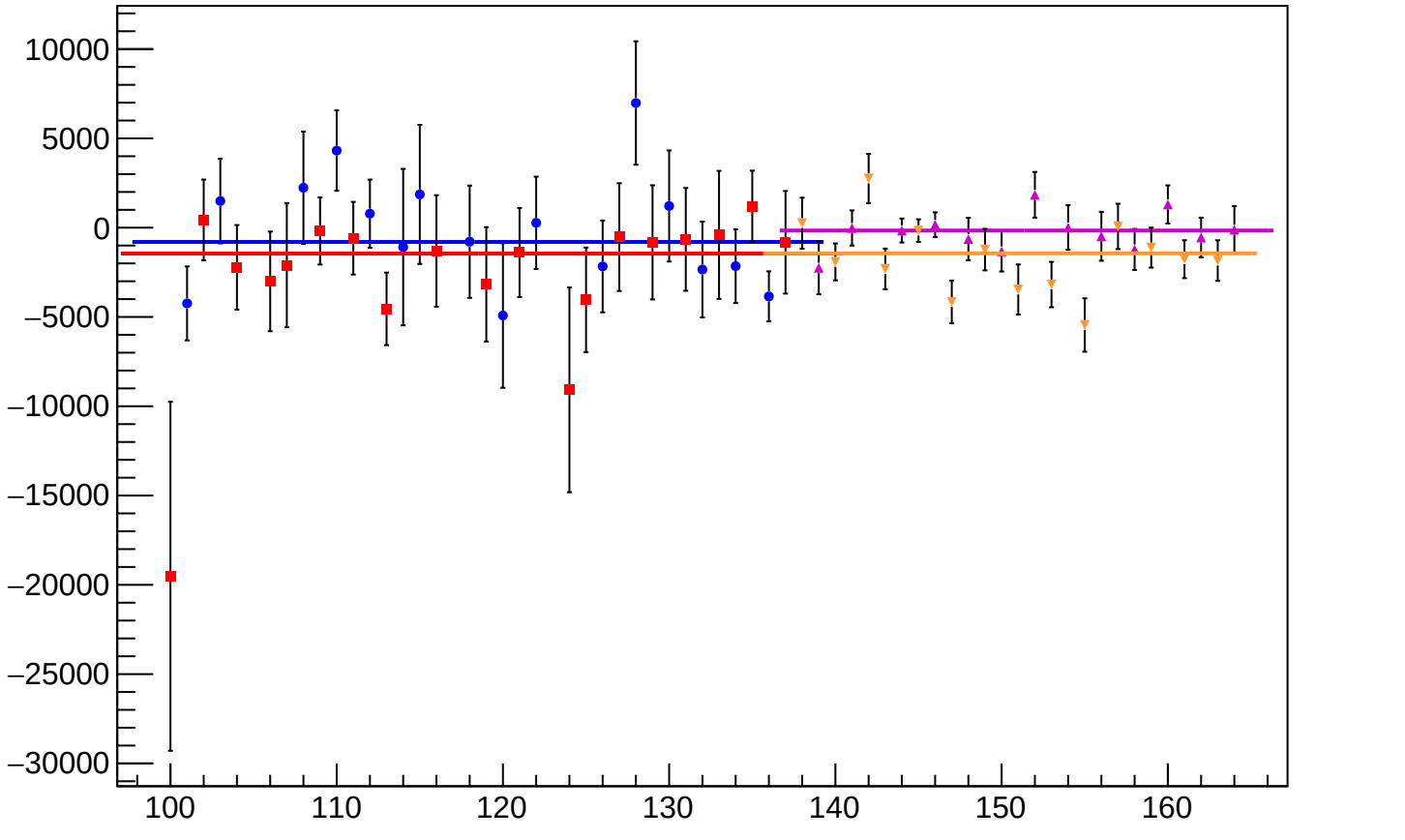
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 104.634+/-0.018 χ^2/NDF: 1382066.5/29

All: 104.301+/-0.013 χ^2/NDF: 3024724.3/61

- sign 103.969+/-0.018 χ^2/NDF: 1641959.2/31



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

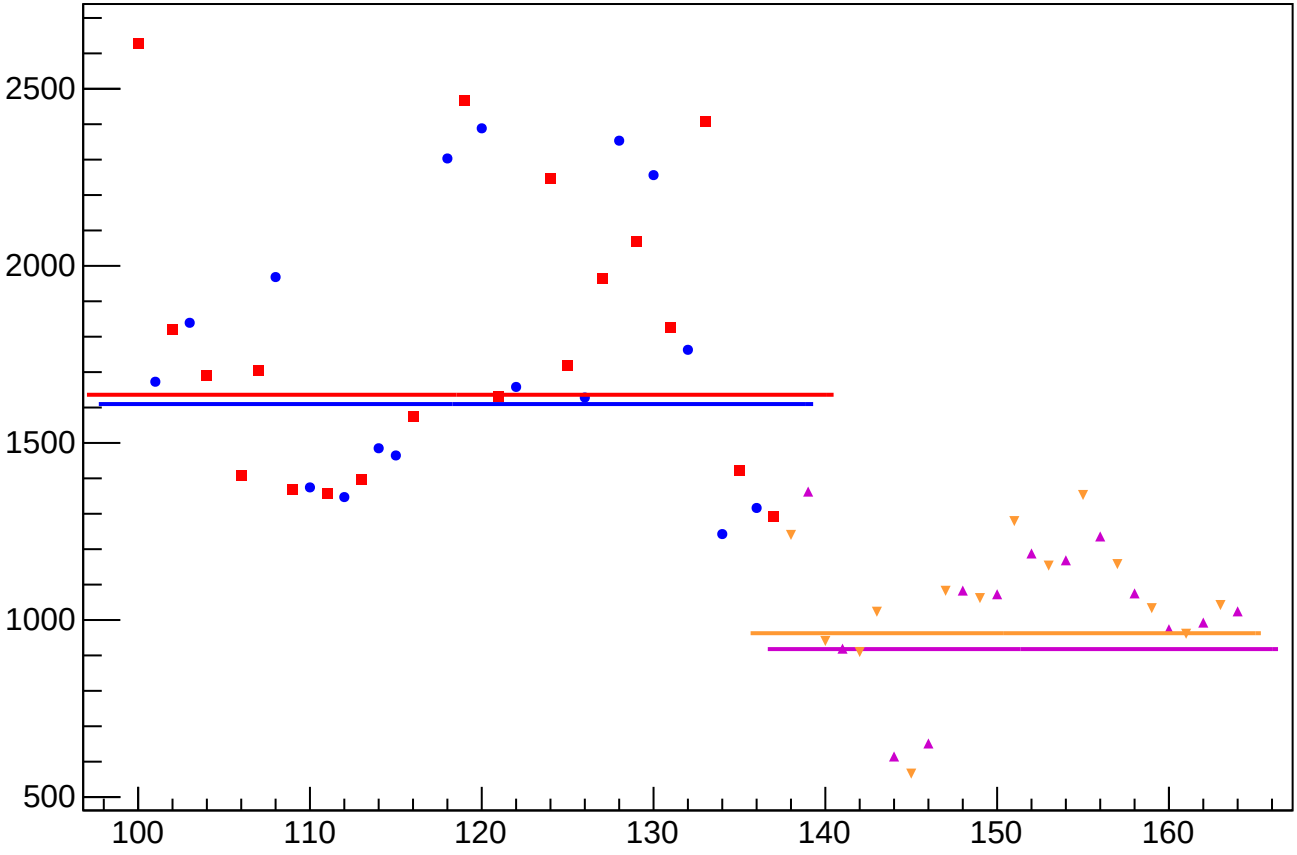
Left In: -160.698+/-287.671 χ^2/NDF:8.8/12

+ sign -1316.992+/-267.831 χ^2/NDF: 57.9/29

All: -841.830+/-186.751 χ^2/NDF: 88.9/61

- 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: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

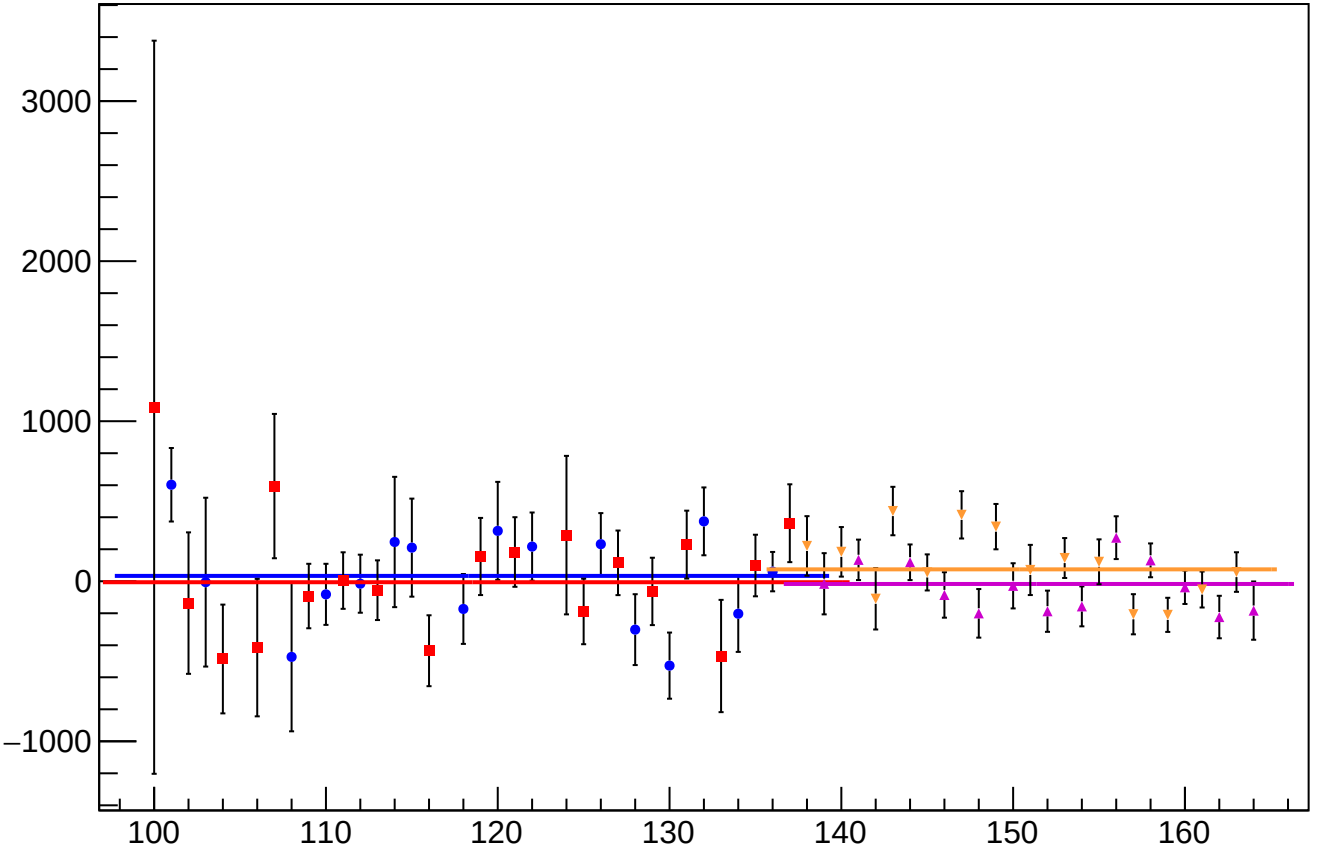
Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

+ sign 1085.048+/-0.189 χ^2/NDF: 3656160.8/29

All: 1065.493+/-0.132 χ^2/NDF: 7747163.0/61

- 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: 74.306+/-36.096 χ^2/NDF:30.5/13

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

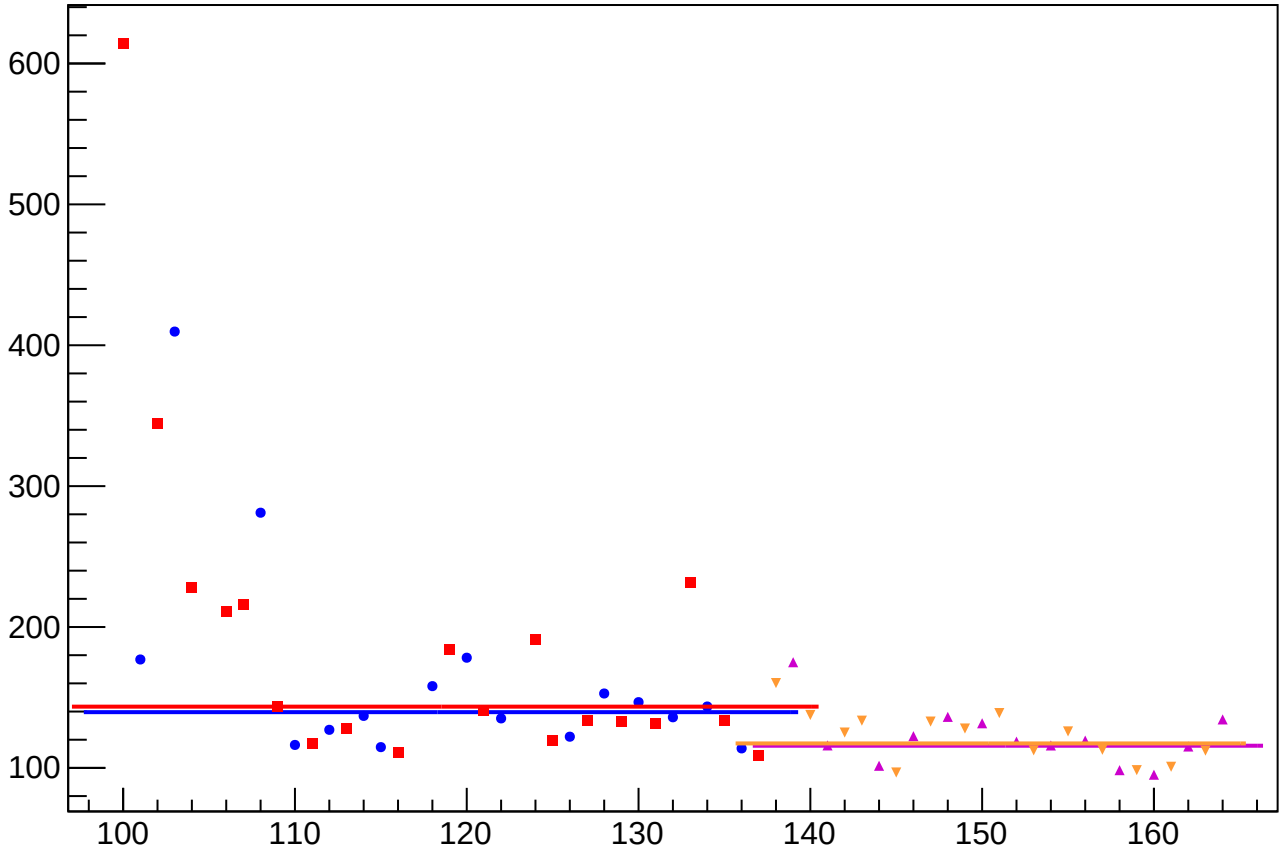
Left In: -17.022+/-36.213 χ^2/NDF:17.5/12

+ sign 61.984+/-30.162 χ^2/NDF: 56.1/29

All: 24.413+/-21.420 χ^2/NDF: 94.1/61

- 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: 117.372+/-0.026 χ^2/NDF:427349.3/13

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

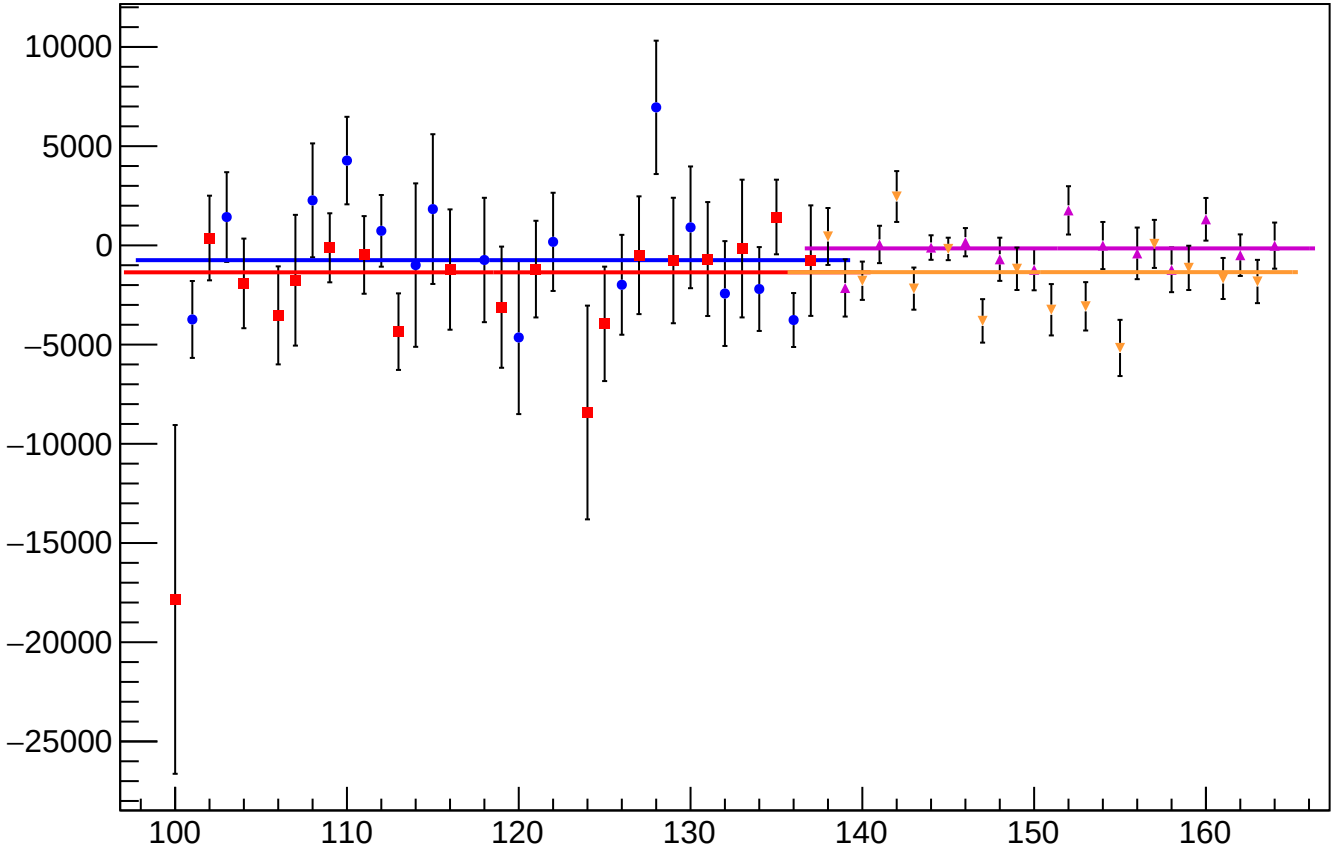
Left In: 115.739+/-0.026 χ^2/NDF:446458.4/12

+ sign 124.069+/-0.021 χ^2/NDF: 1632260.2/29

All: 123.985+/-0.015 χ^2/NDF: 3540687.9/61

- 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: -1348.727+/-278.287 χ^2/NDF:33.7/13

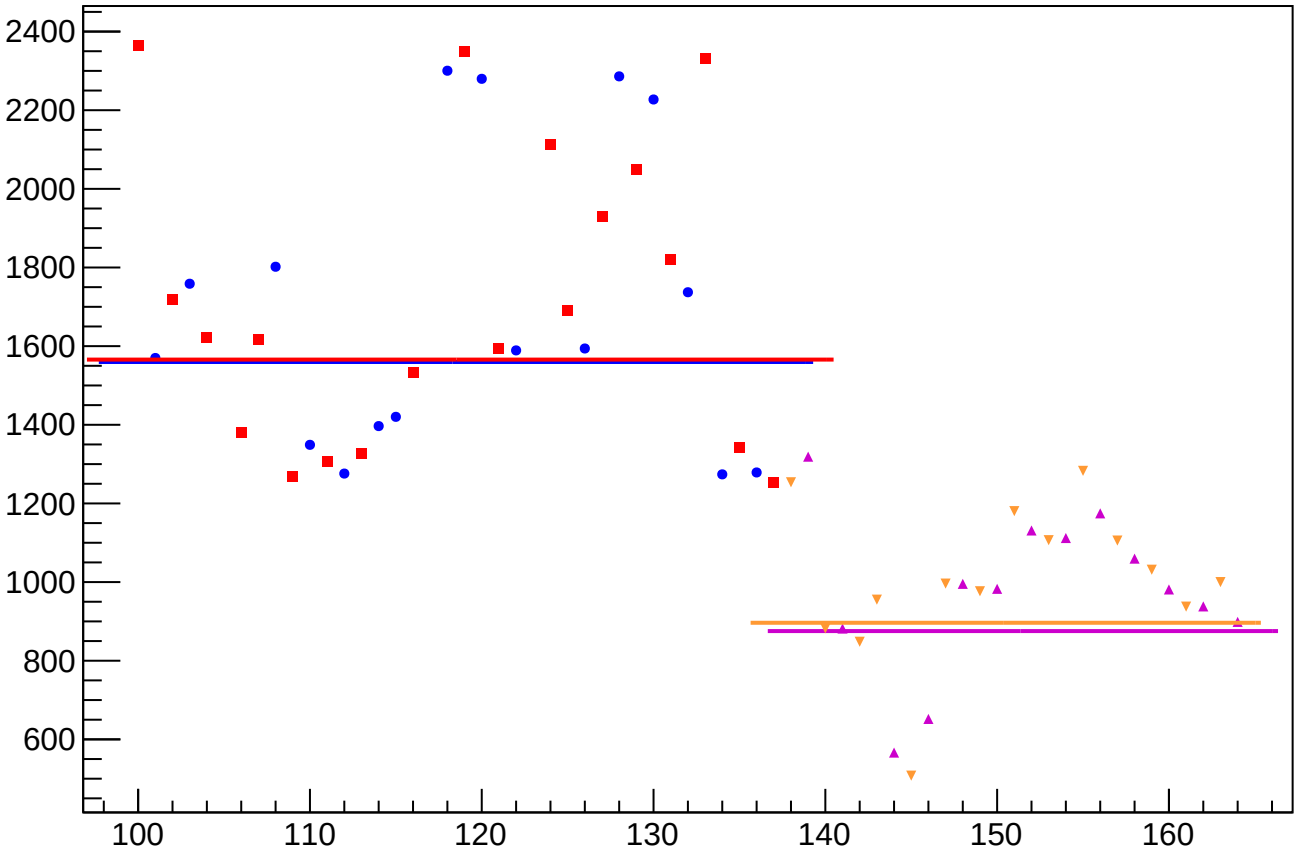
Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: -151.846+/-274.757 χ^2/NDF:8.9/12

+ sign -1240.549+/-252.140 χ^2/NDF: 58.0/29

All: -799.044+/-177.081 χ^2/NDF: 89.9/61

- sign -369.312+/-248.755 χ^2/NDF: 25.9/31



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 896.540+/-0.197 χ^2/NDF:1518966.4/13

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

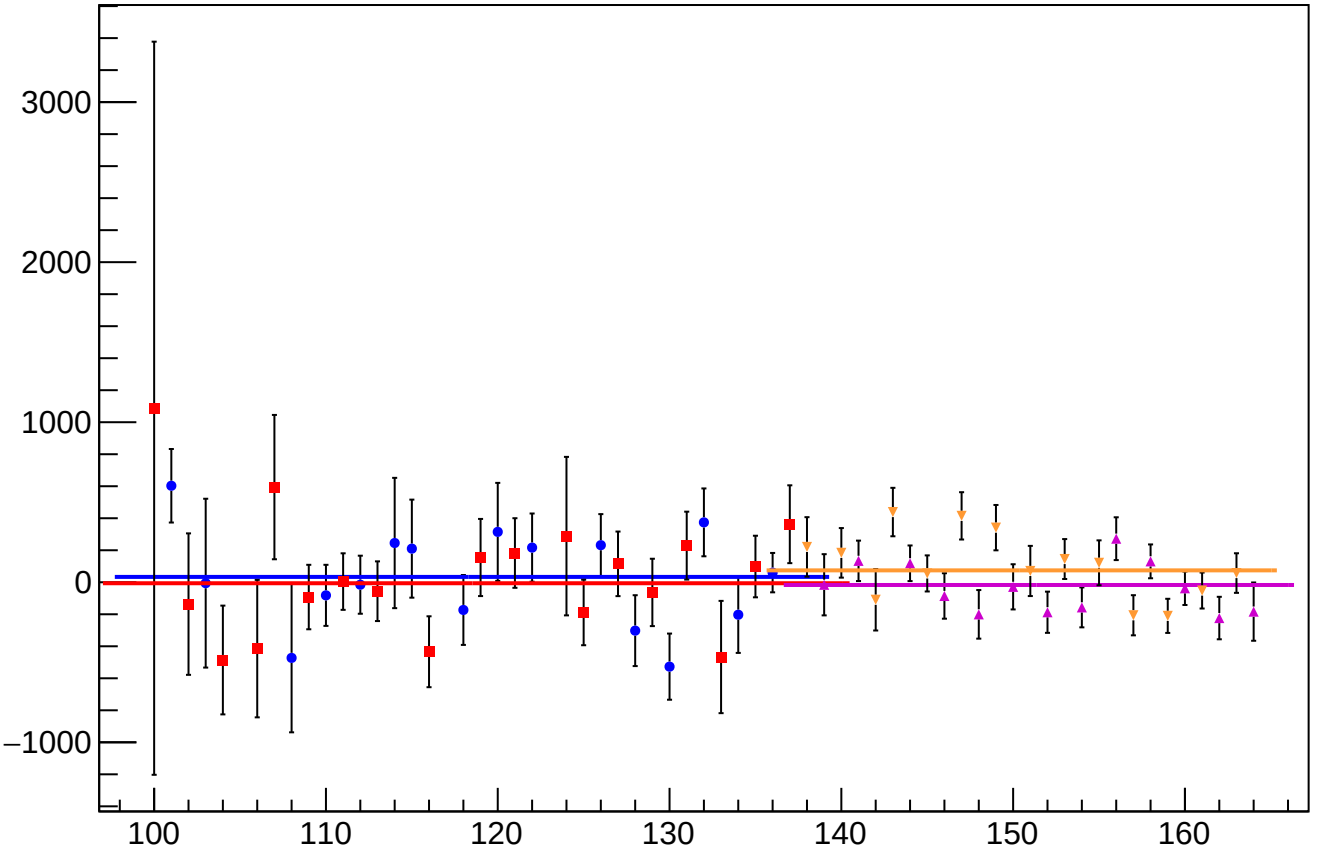
Left In: 875.406+/-0.194 χ^2/NDF:1286152.2/12

+ sign 1015.311+/-0.178 χ^2/NDF: 4157375.5/29

All: 1007.499+/-0.125 χ^2/NDF: 8288200.4/61

- 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: 74.309+/-36.096 χ^2/NDF:30.5/13

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

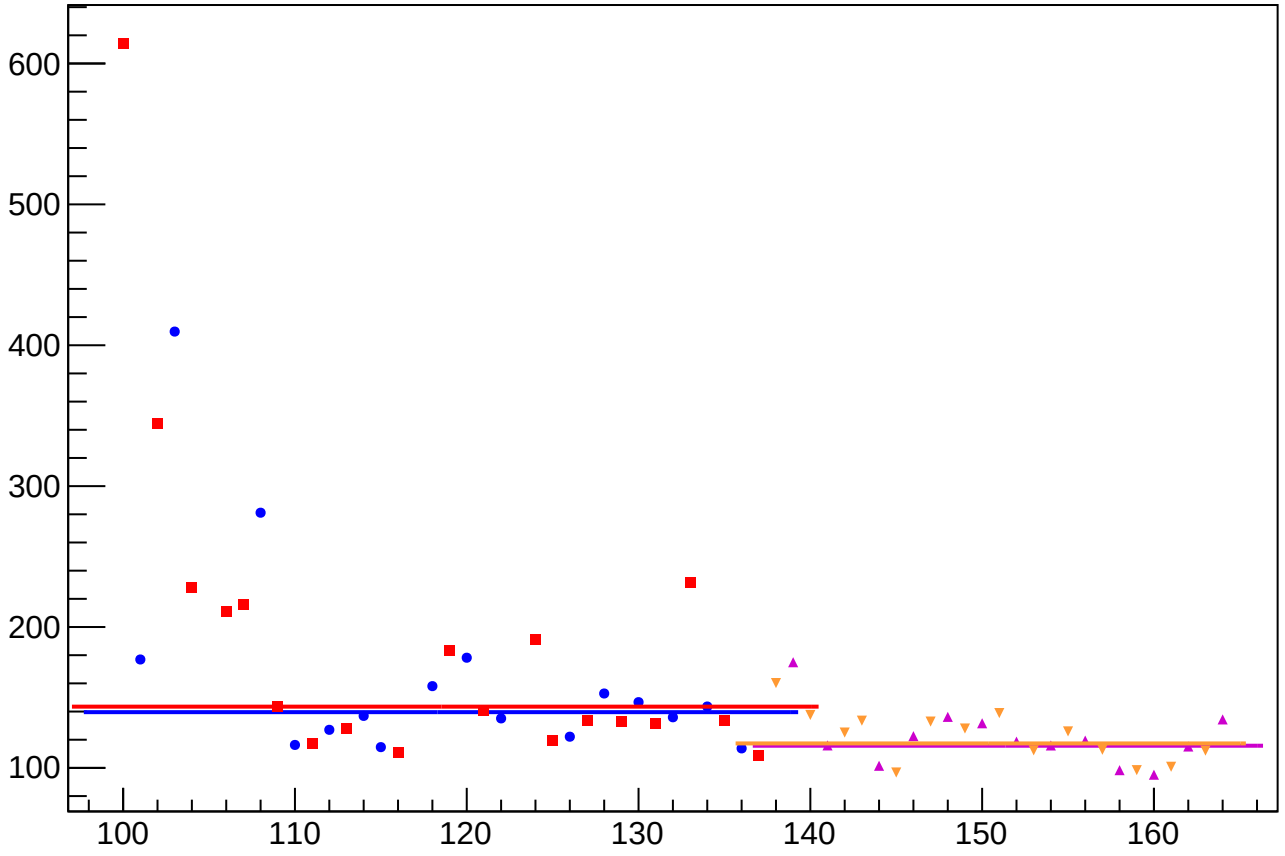
Left In: -17.021+/-36.213 χ^2/NDF:17.5/12

+ sign 61.985+/-30.162 χ^2/NDF: 56.1/29

All: 24.415+/-21.420 χ^2/NDF: 94.1/61

- 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: 117.372+/-0.026 χ^2/NDF:427364.5/13

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

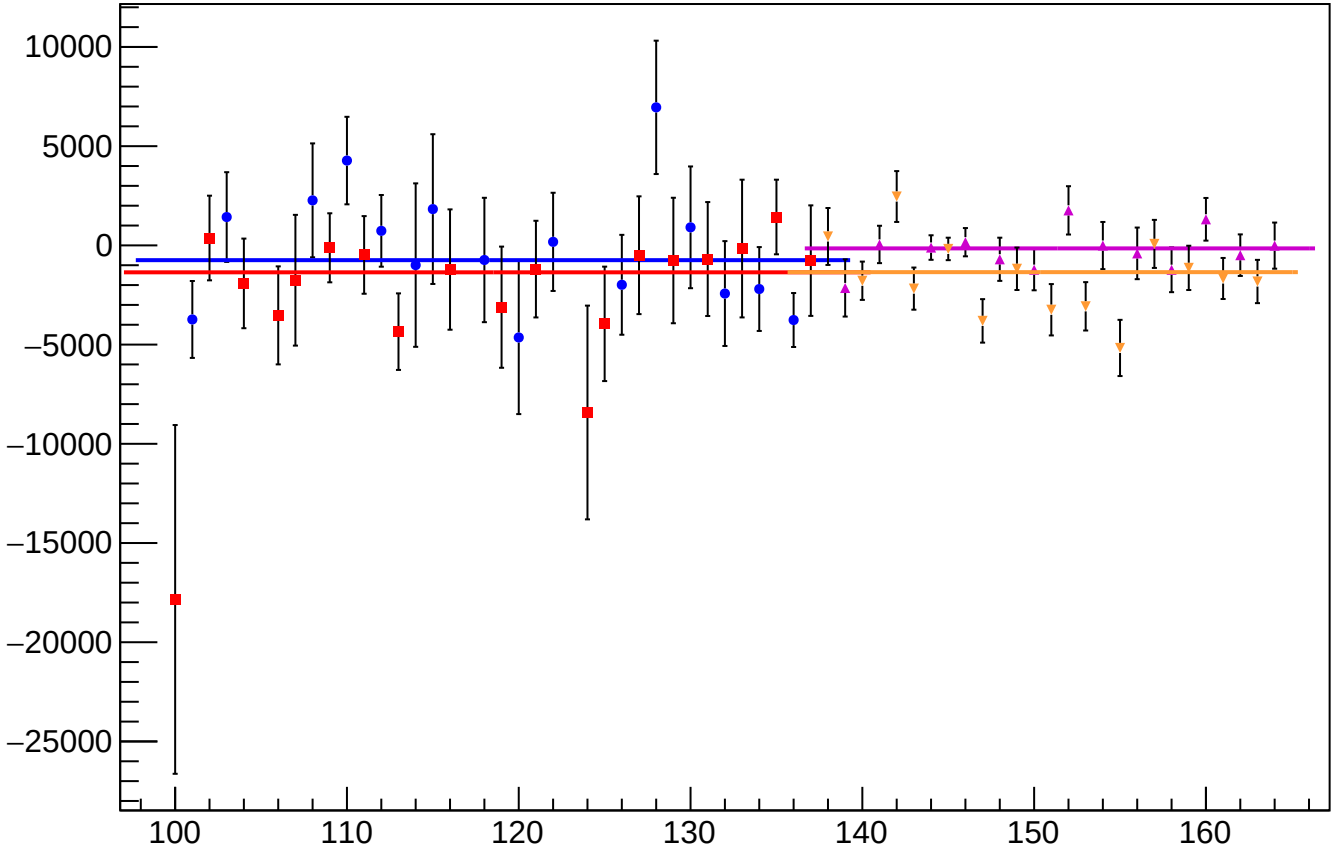
Left In: 115.740+/-0.026 χ^2/NDF:446467.5/12

+ sign 124.070+/-0.021 χ^2/NDF: 1632270.7/29

All: 123.986+/-0.015 χ^2/NDF: 3540712.0/61

- sign 123.901+/-0.022 χ^2/NDF: 1908410.2/31

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

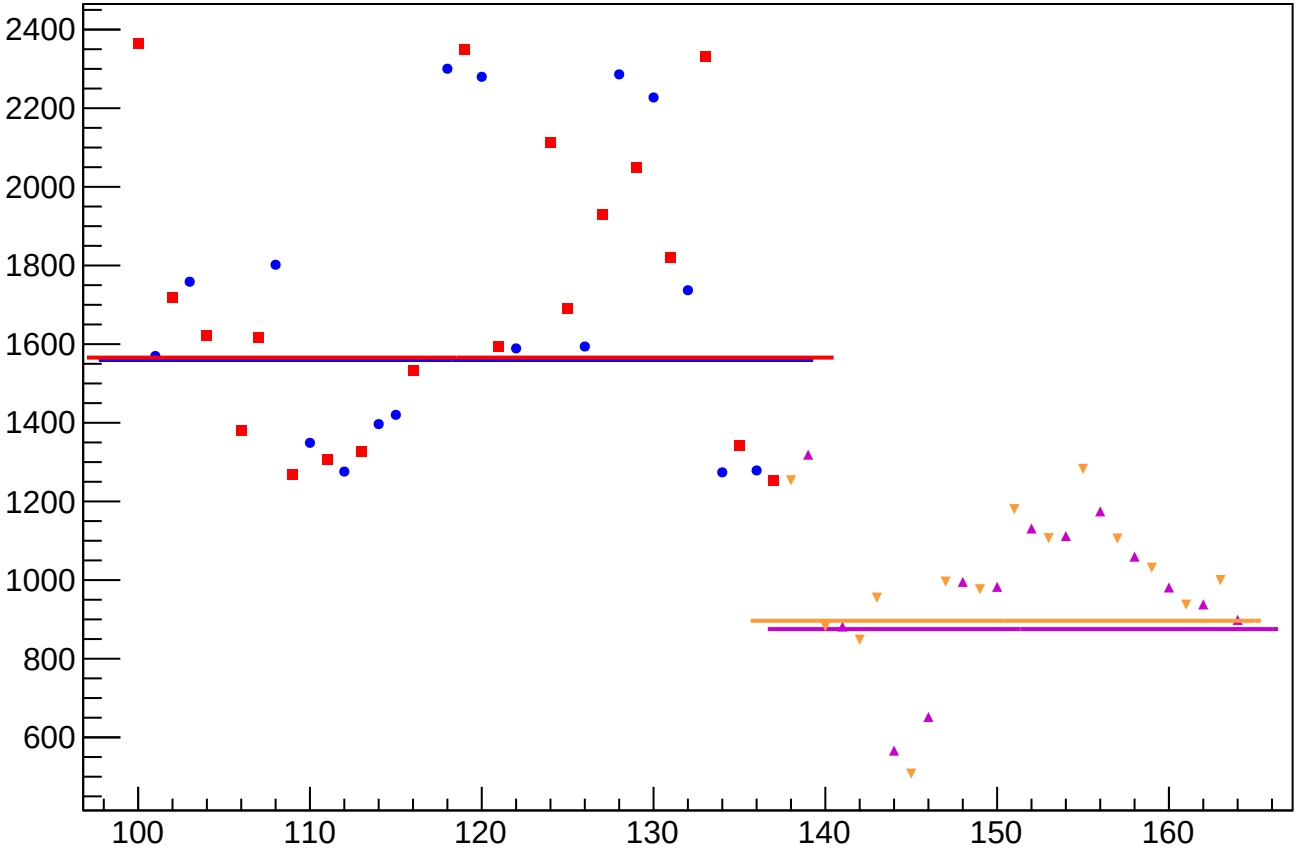
Left In: -151.845+/-274.757 χ^2/NDF:8.9/12

+ sign -1240.549+/-252.139 χ^2/NDF: 58.0/29

All: -799.043+/-177.081 χ^2/NDF: 89.9/61

- 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: 896.539+/-0.197 χ^2/NDF:1518963.2/13

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

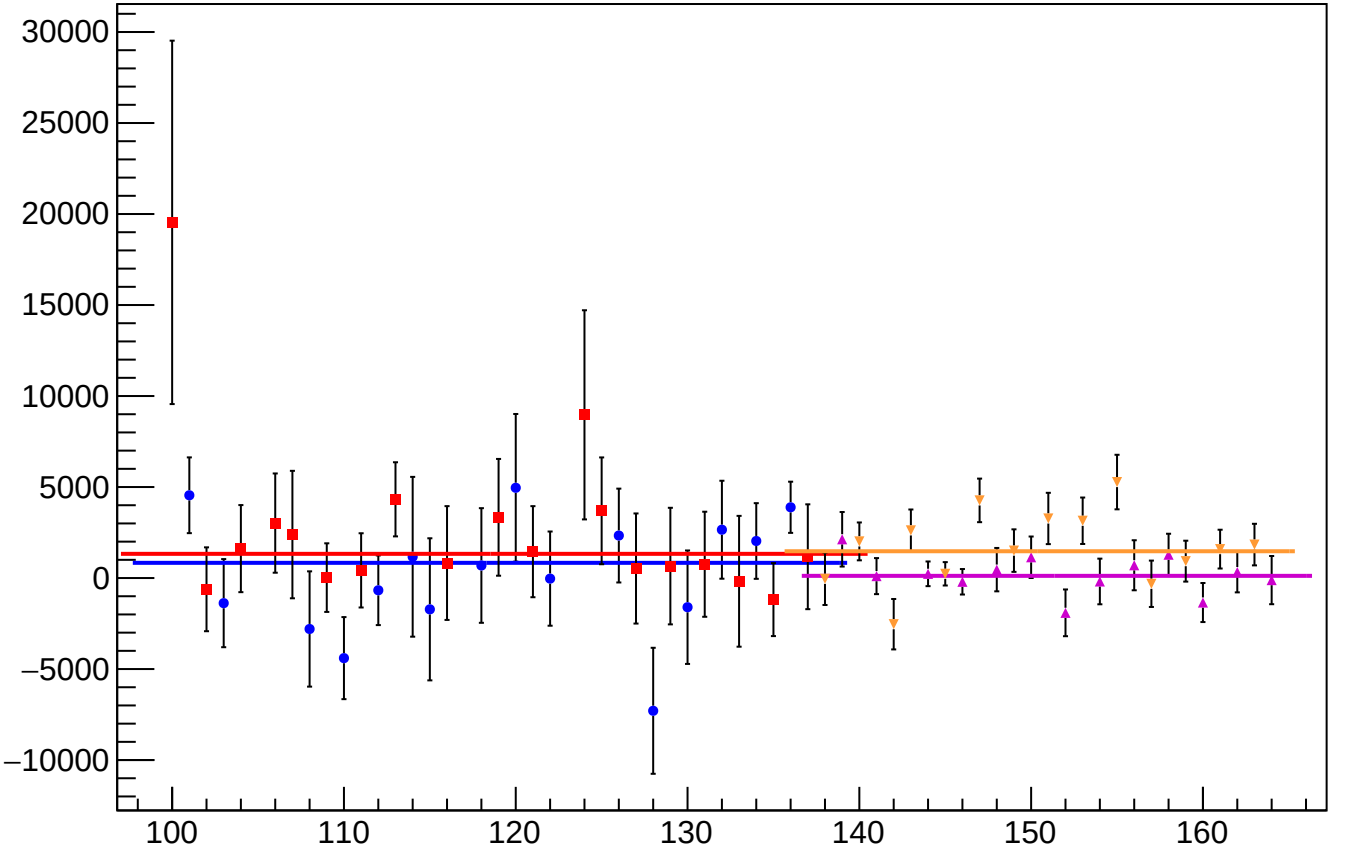
Left In: 875.405+/-0.194 χ^2/NDF:1286149.3/12

+ sign 1015.310+/-0.178 χ^2/NDF: 4157373.9/29

All: 1007.498+/-0.125 χ^2/NDF: 8288192.7/61

- 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: 1472.035+/-299.250 χ^2/NDF:32.0/13

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

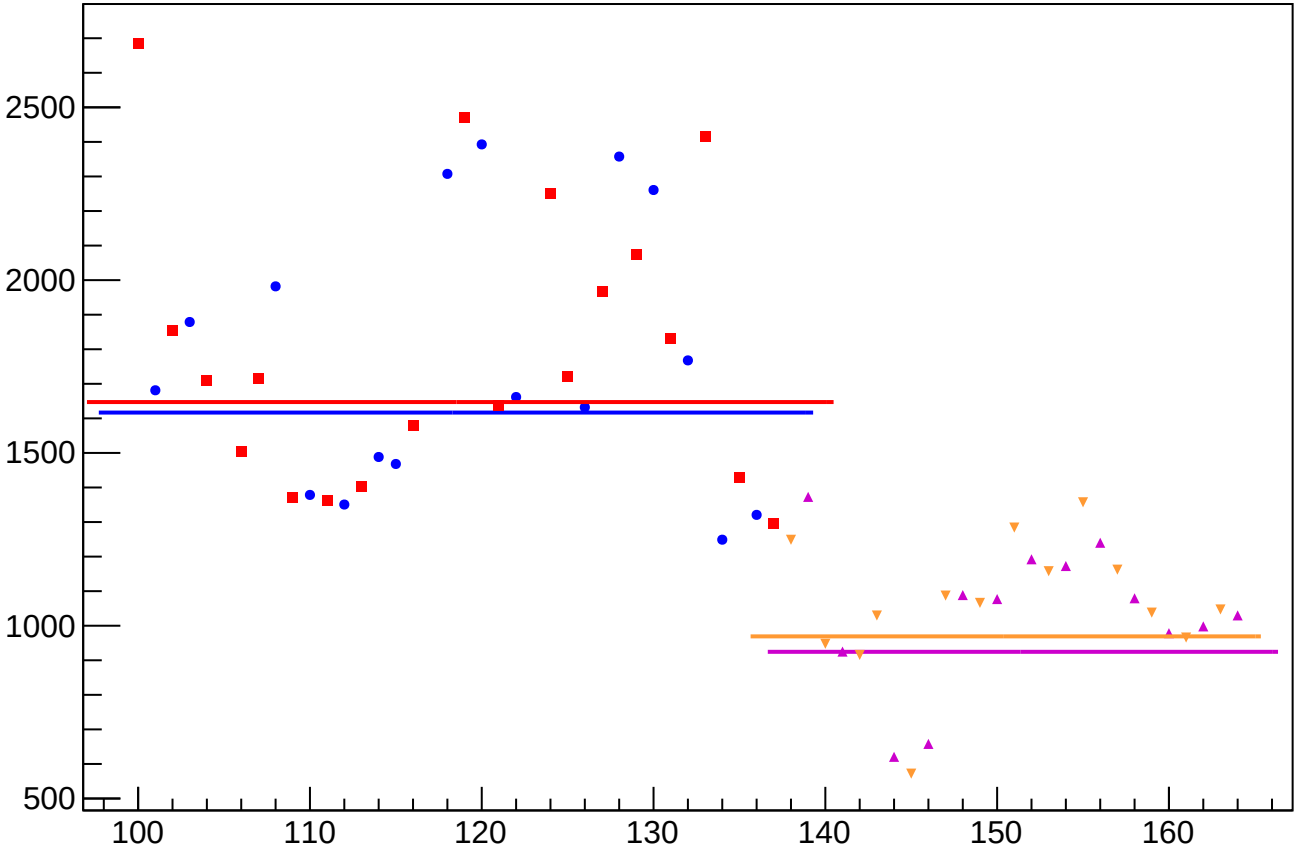
Left In: 120.683+/-289.576 χ^2/NDF:8.6/12

\+ sign 1351.380+/-269.400 χ^2/NDF: 57.8/29

All: 831.397+/-187.859 χ^2/NDF: 88.9/61

\- 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: 969.158+/-0.212 χ^2/NDF:1224336.9/13

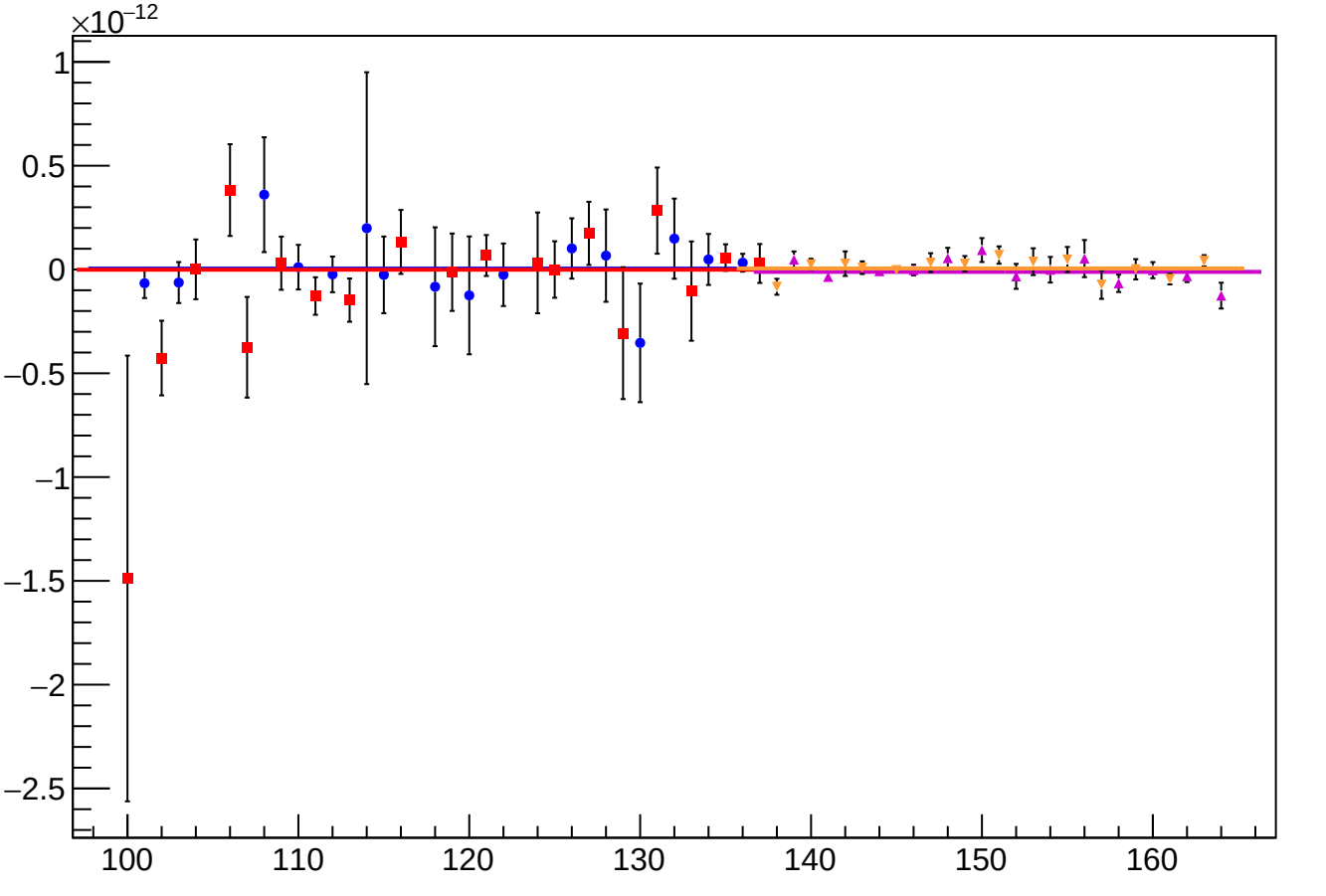
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 924.487+/-0.205 χ^2/NDF:1277990.0/12

+ sign 1091.919+/-0.190 χ^2/NDF: 3622265.6/29

All: 1073.027+/-0.133 χ^2/NDF: 7695571.6/61

- 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:17.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

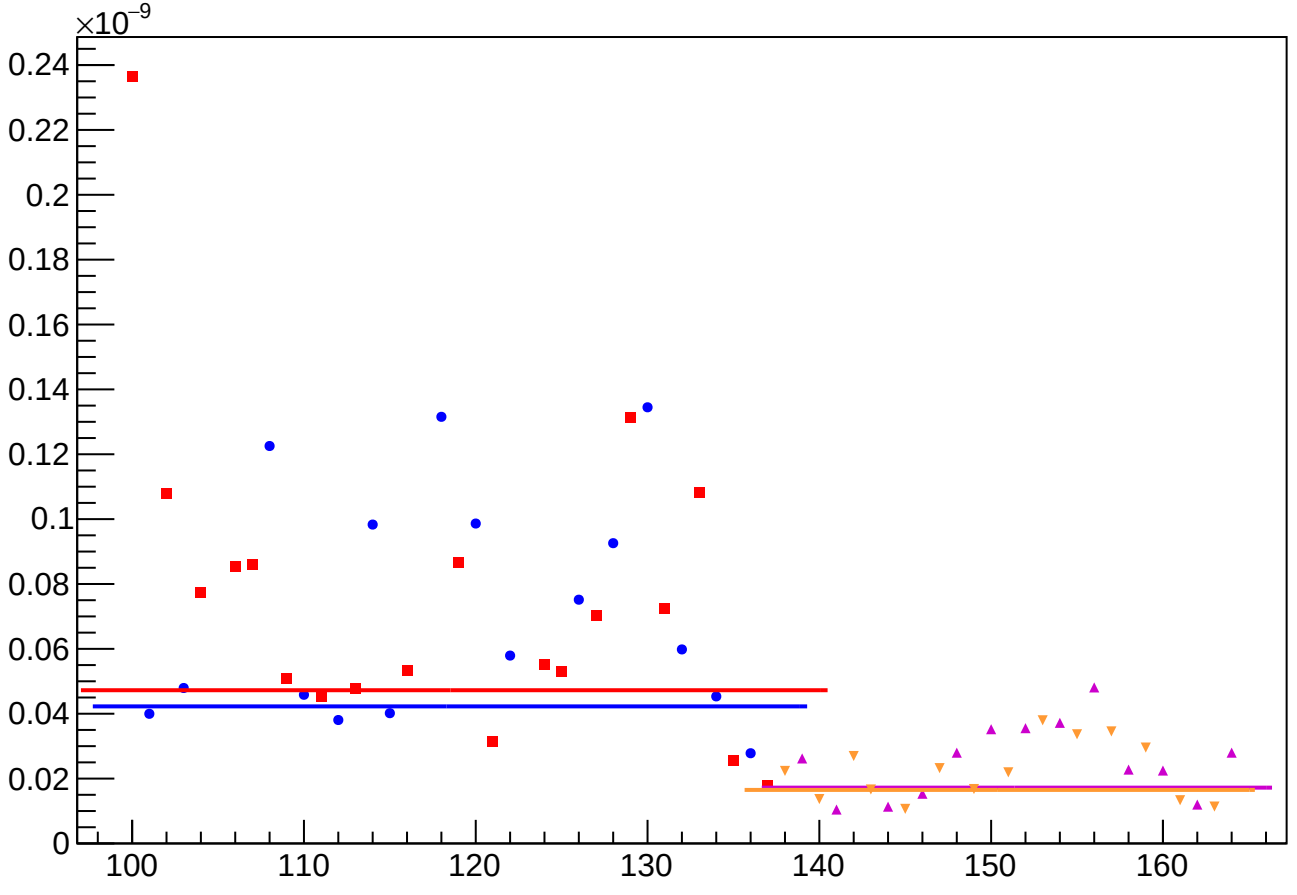
Left In: -0.000+/-0.000 χ^2/NDF:14.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/29

All: -0.000+/-0.000 χ^2/NDF: 63.7/61

- 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:1172714.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

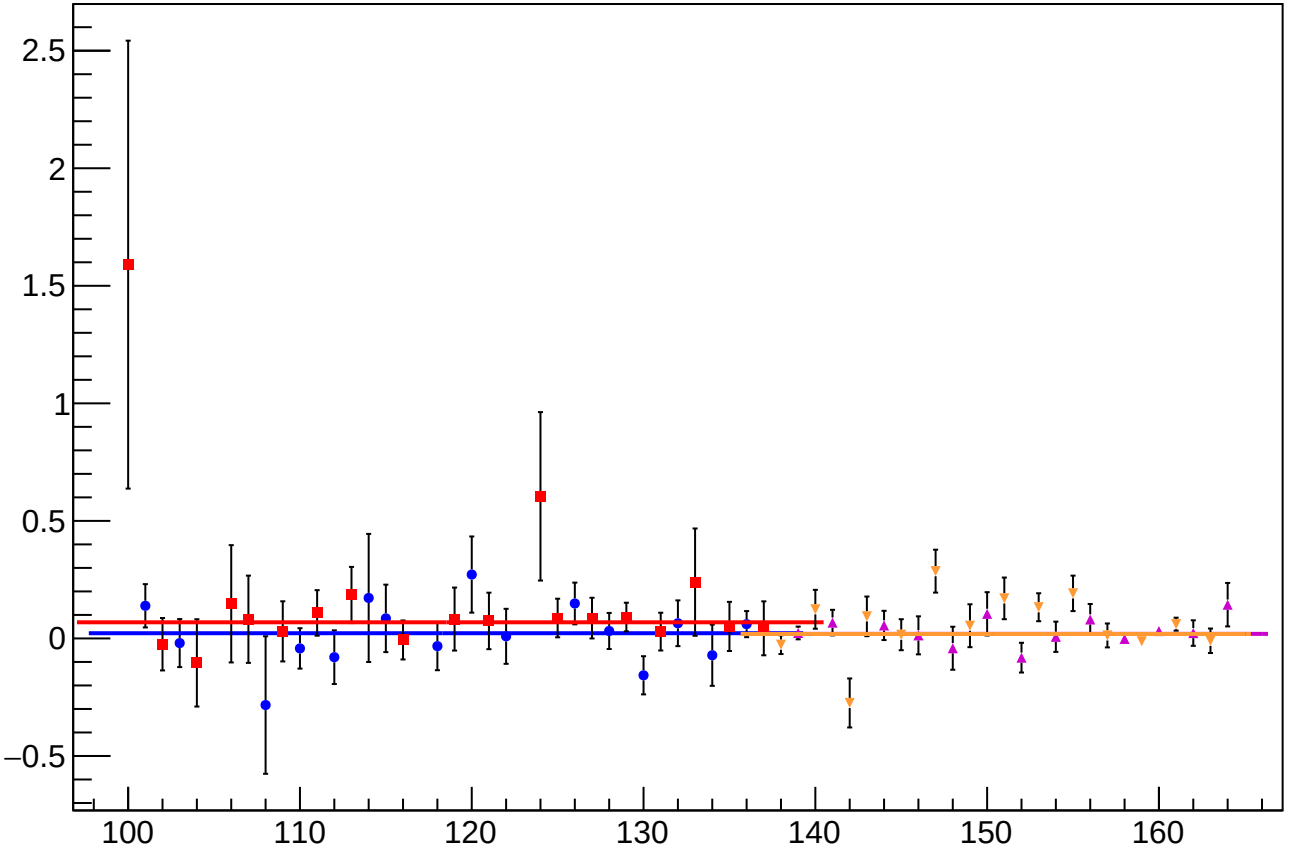
Left In: 0.000+/-0.000 χ^2/NDF:1608270.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3929853.9/29

All: 0.000+/-0.000 χ^2/NDF: 8746993.4/61

- 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: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

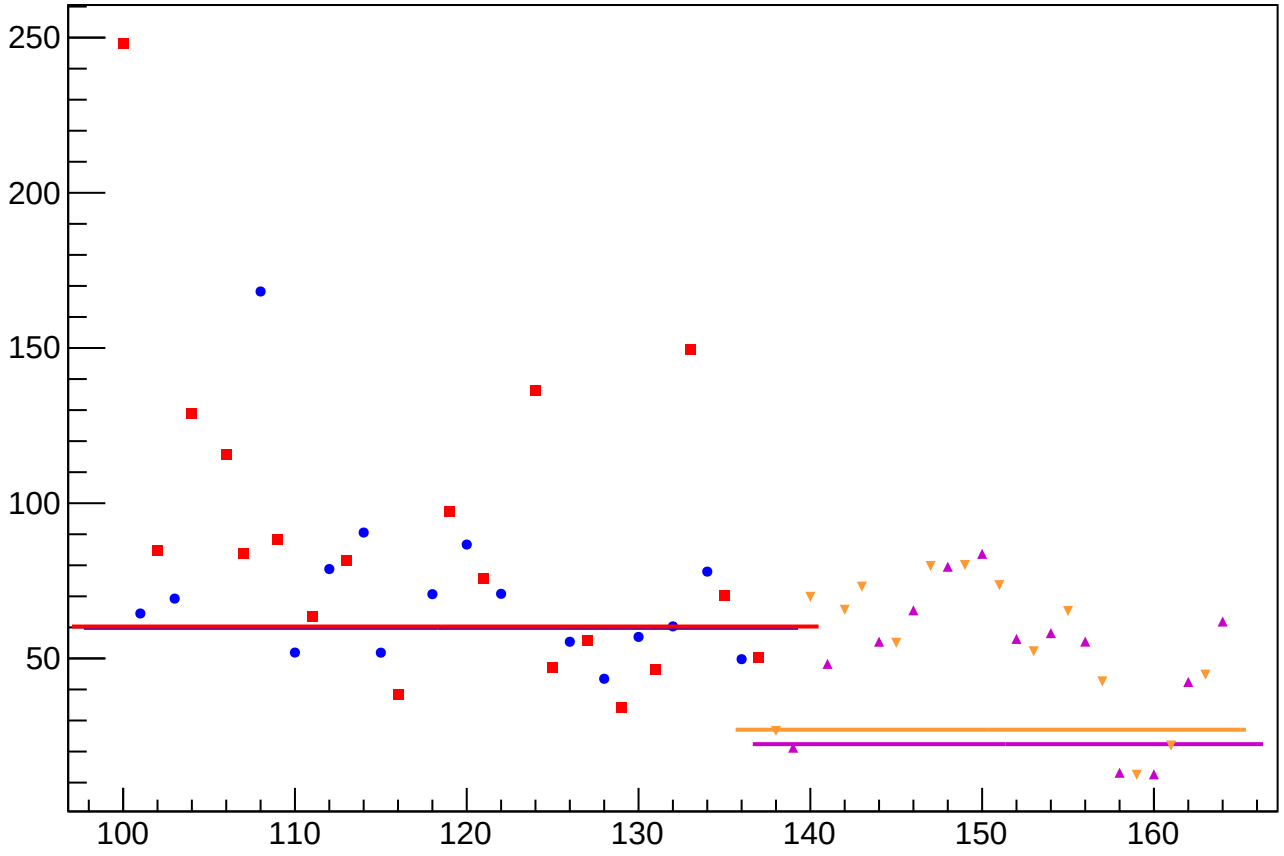
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.023+/-0.007 χ^2/NDF: 77.5/61

- 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: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

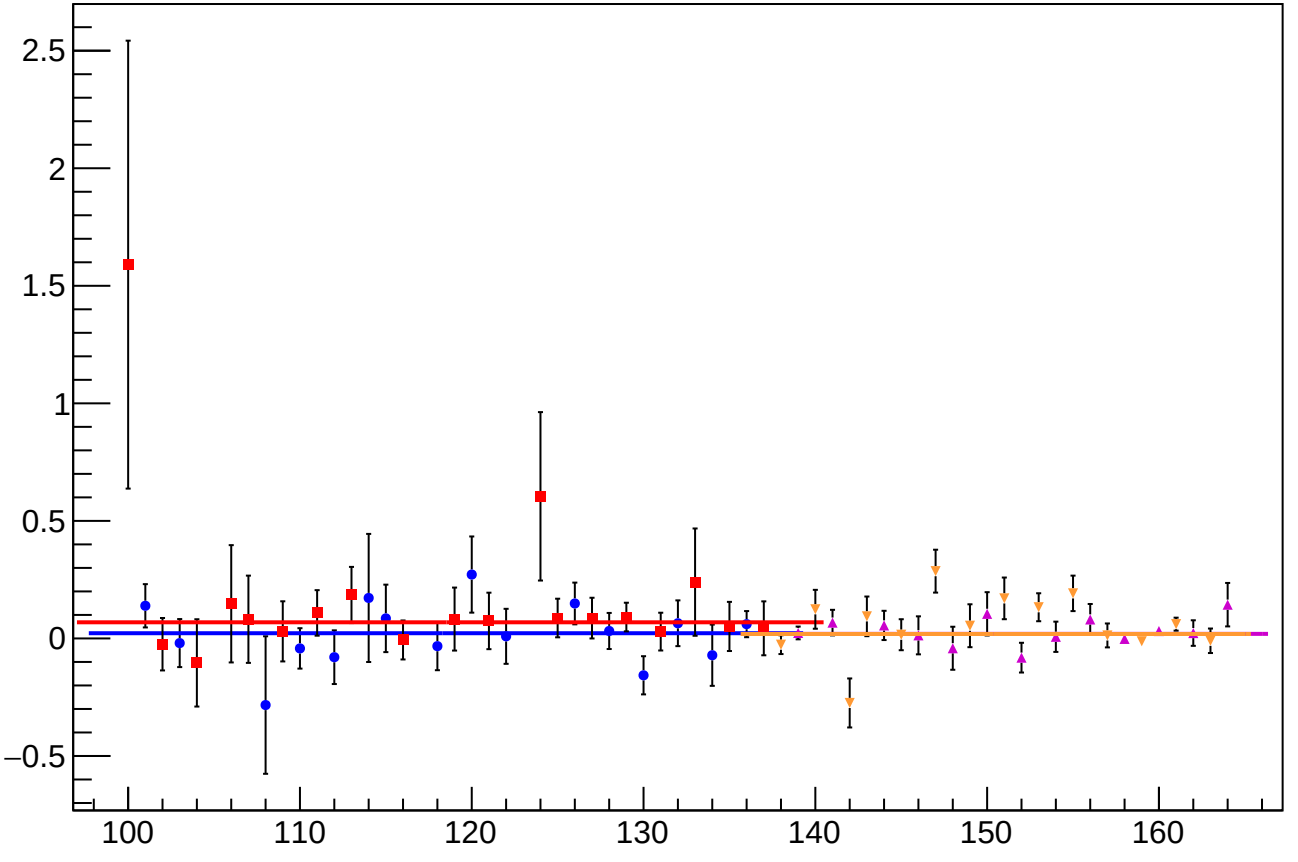
Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

+ sign 32.444+/-0.007 χ^2/NDF: 10448862.5/29

All: 29.412+/-0.005 χ^2/NDF: 23659596.8/61

- 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: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

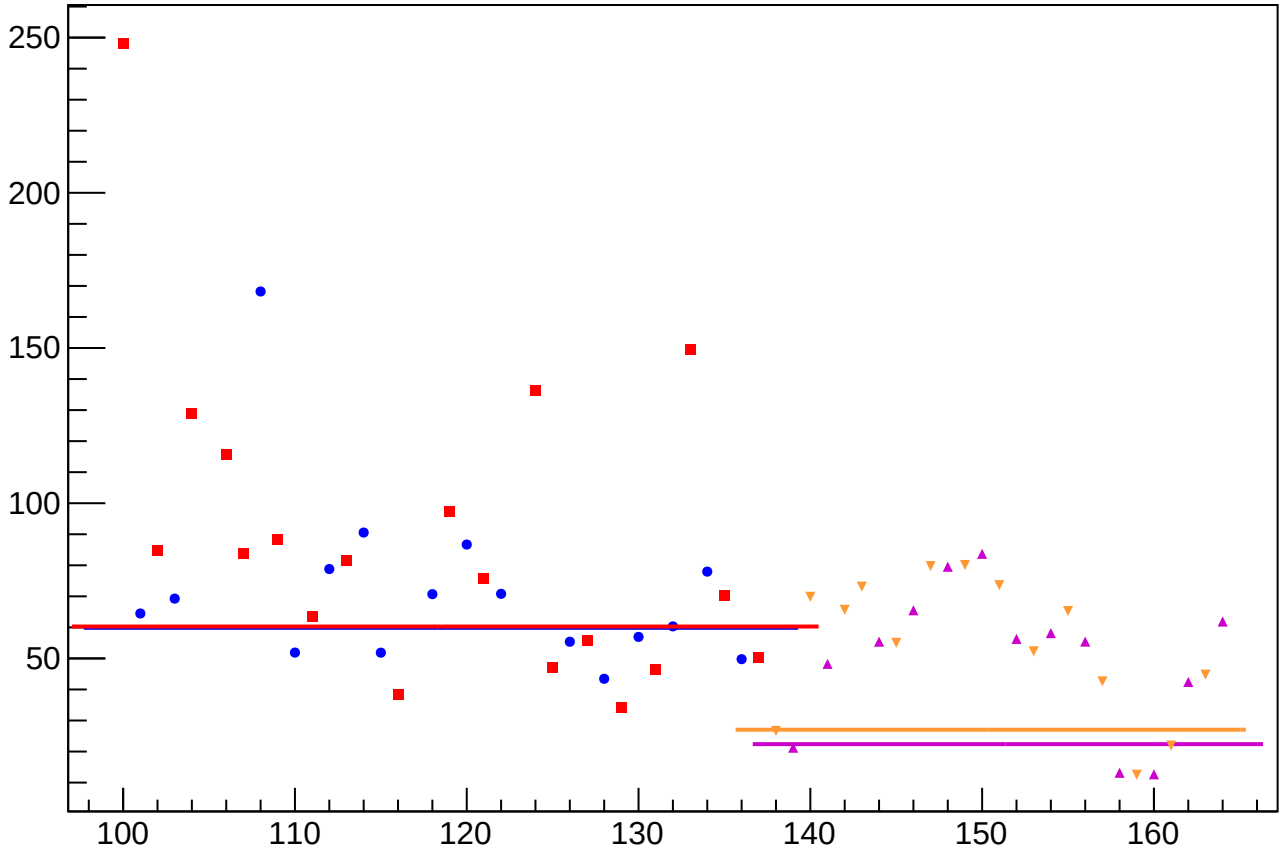
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.023+/-0.007 χ^2/NDF: 77.5/61

- 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: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

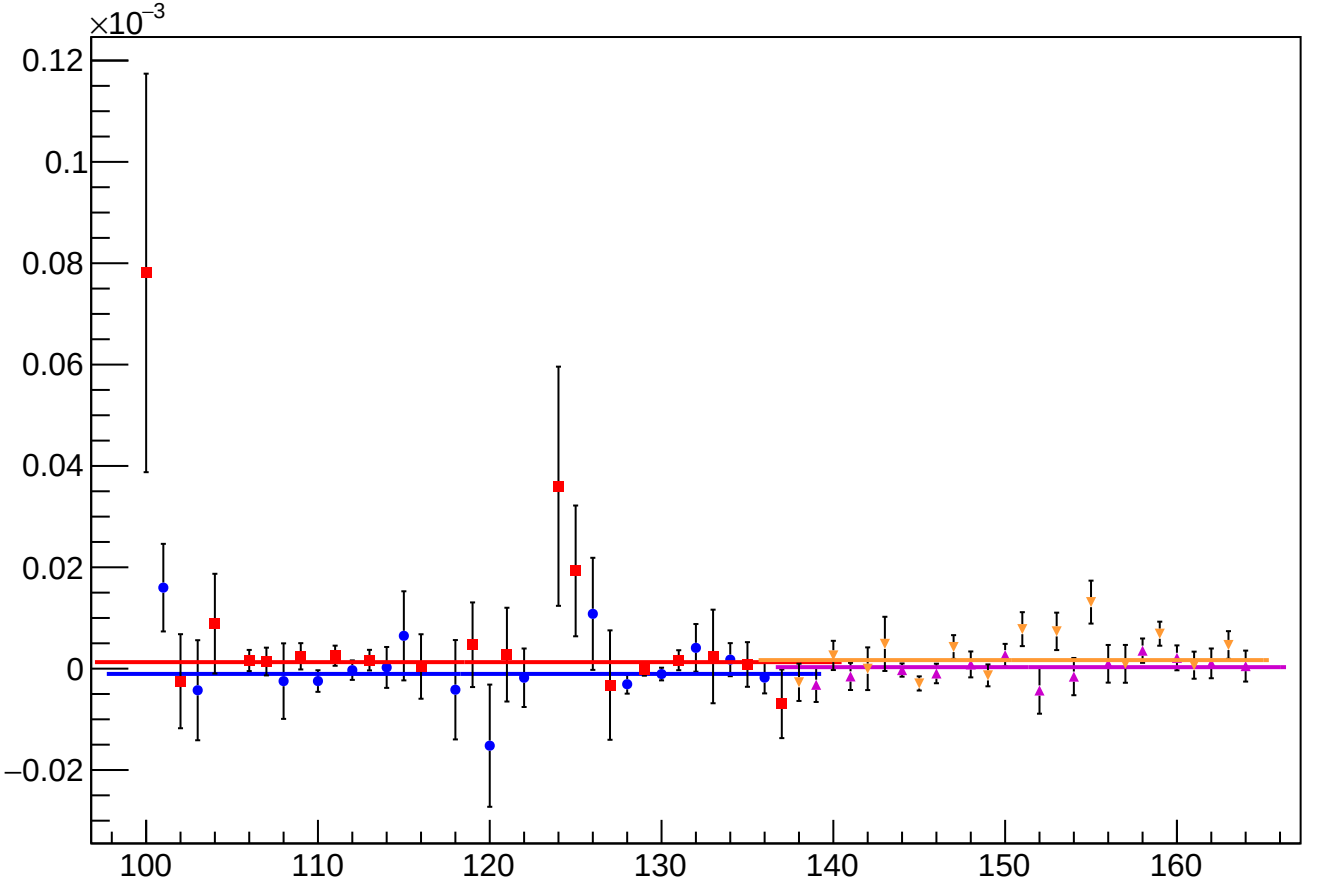
Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

+ sign 32.444+/-0.007 χ^2/NDF: 10448862.5/29

All: 29.412+/-0.005 χ^2/NDF: 23659596.8/61

- 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:35.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

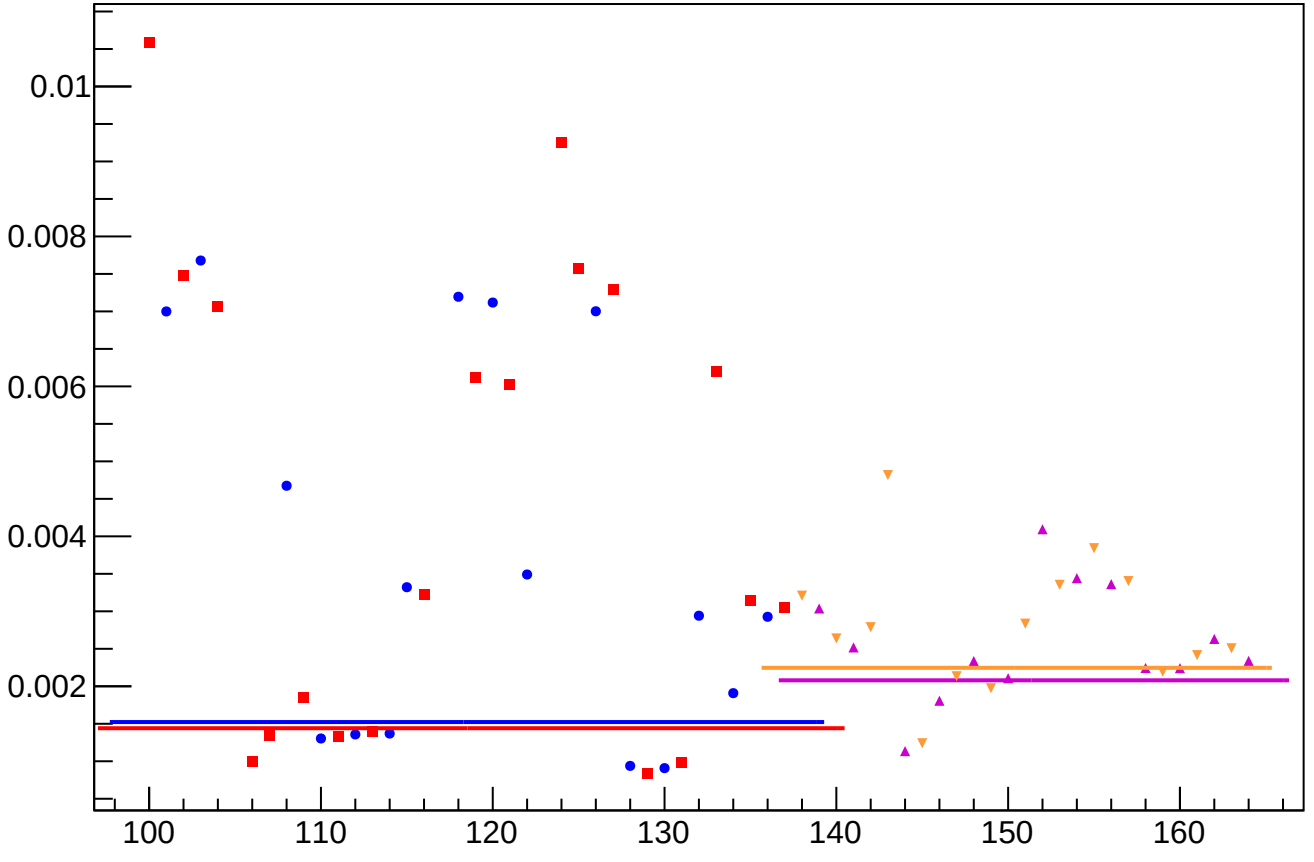
Left In: 0.000+/-0.000 χ^2/NDF:7.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/29

All: 0.000+/-0.000 χ^2/NDF: 74.4/61

- 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:2486876.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

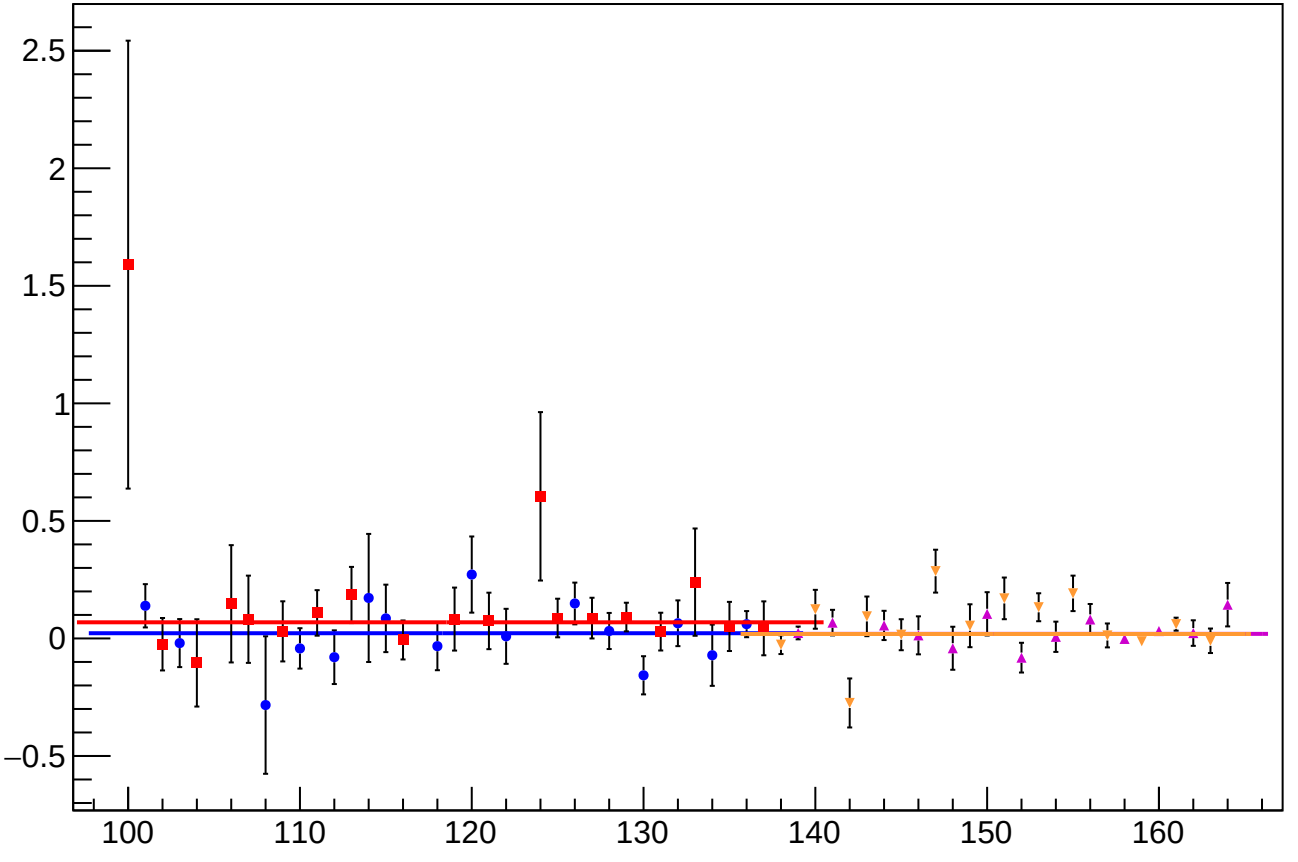
Left In: 0.002+/-0.000 χ^2/NDF:2321814.5/12

+ sign 0.002+/-0.000 χ^2/NDF: 8654899.6/29

All: 0.002+/-0.000 χ^2/NDF: 17691269.2/61

- 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: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

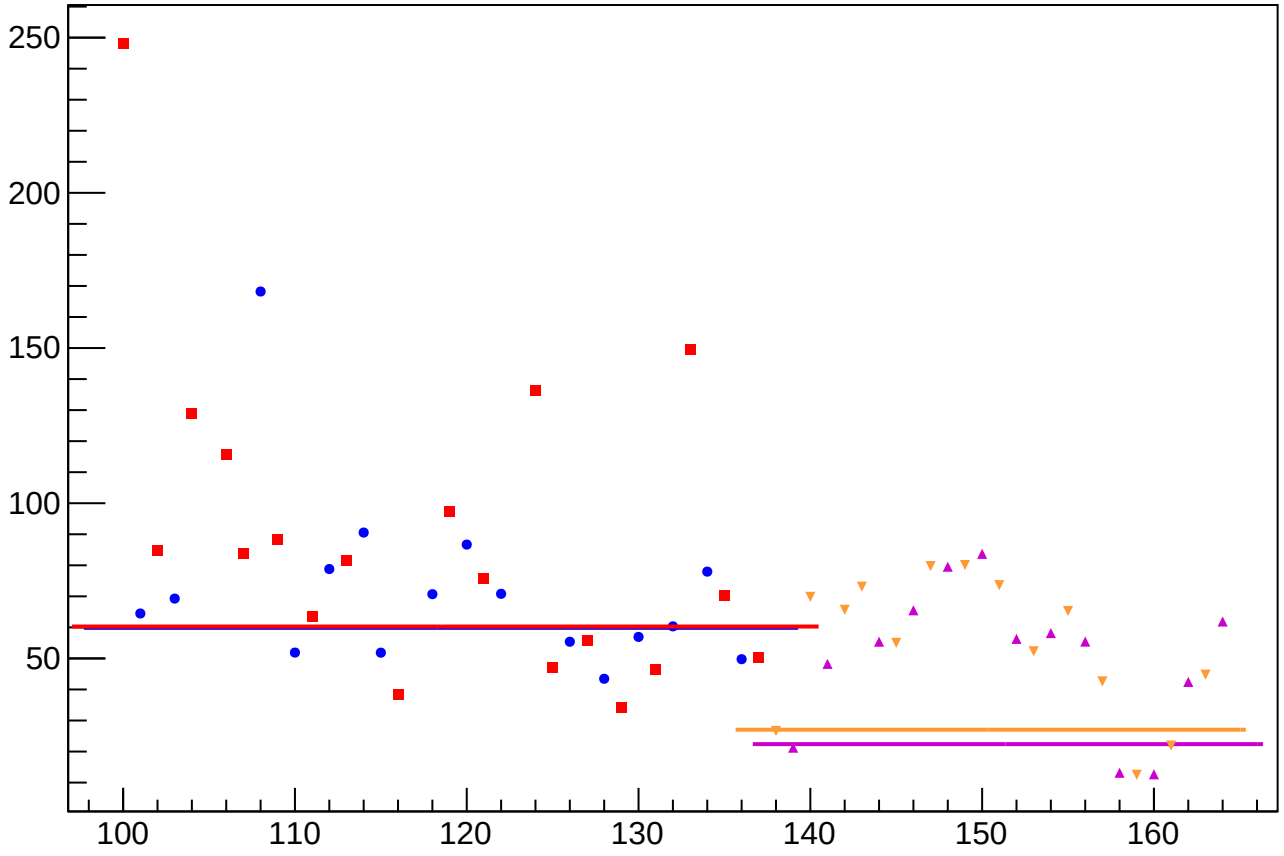
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.023+/-0.007 χ^2/NDF: 77.5/61

- 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: 27.030+/-0.008 χ^2/NDF:6792855.4/13

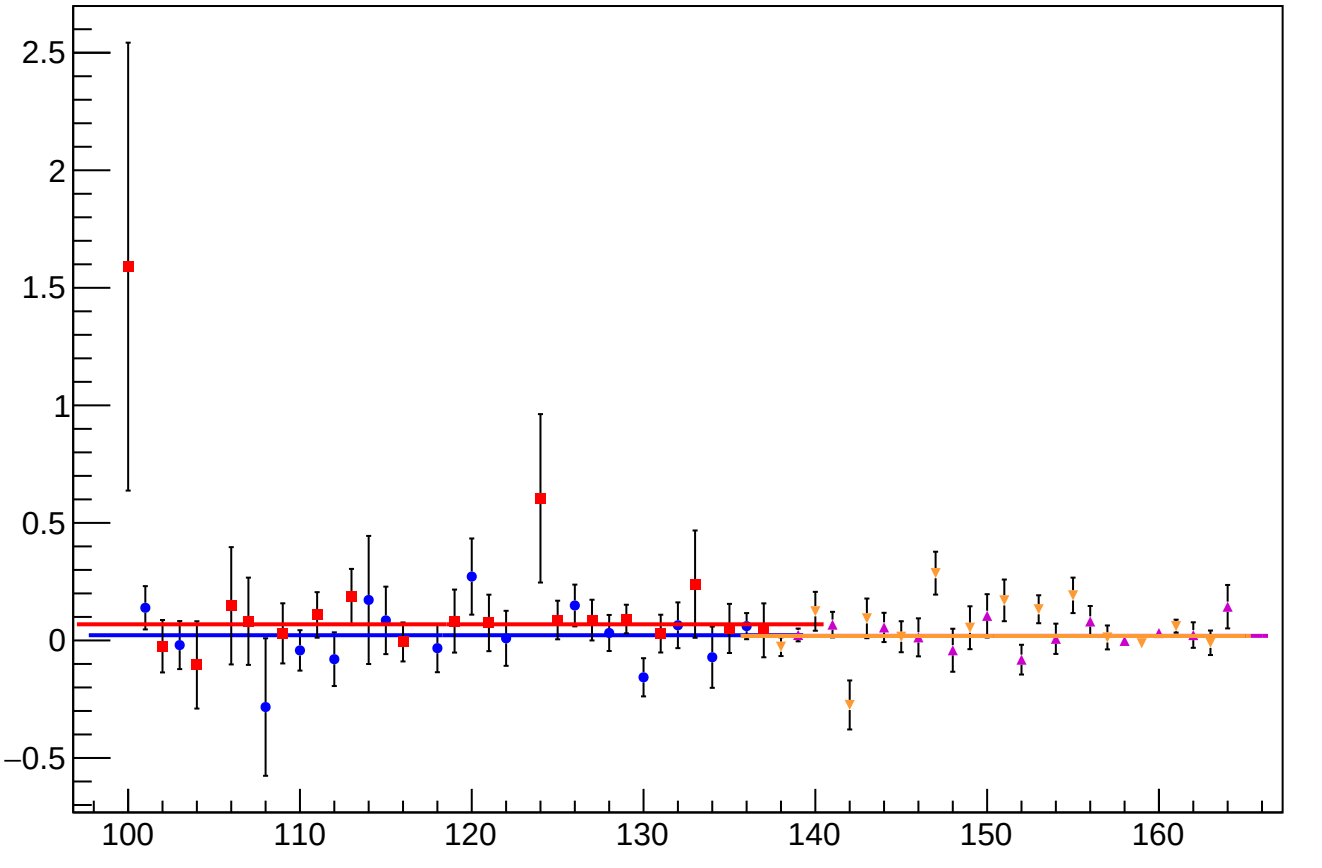
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

+ sign 32.441+/-0.007 χ^2/NDF: 10450423.2/29

All: 29.410+/-0.005 χ^2/NDF: 23661627.0/61

- sign 27.040+/-0.006 χ^2/NDF: 12884838.0/31



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

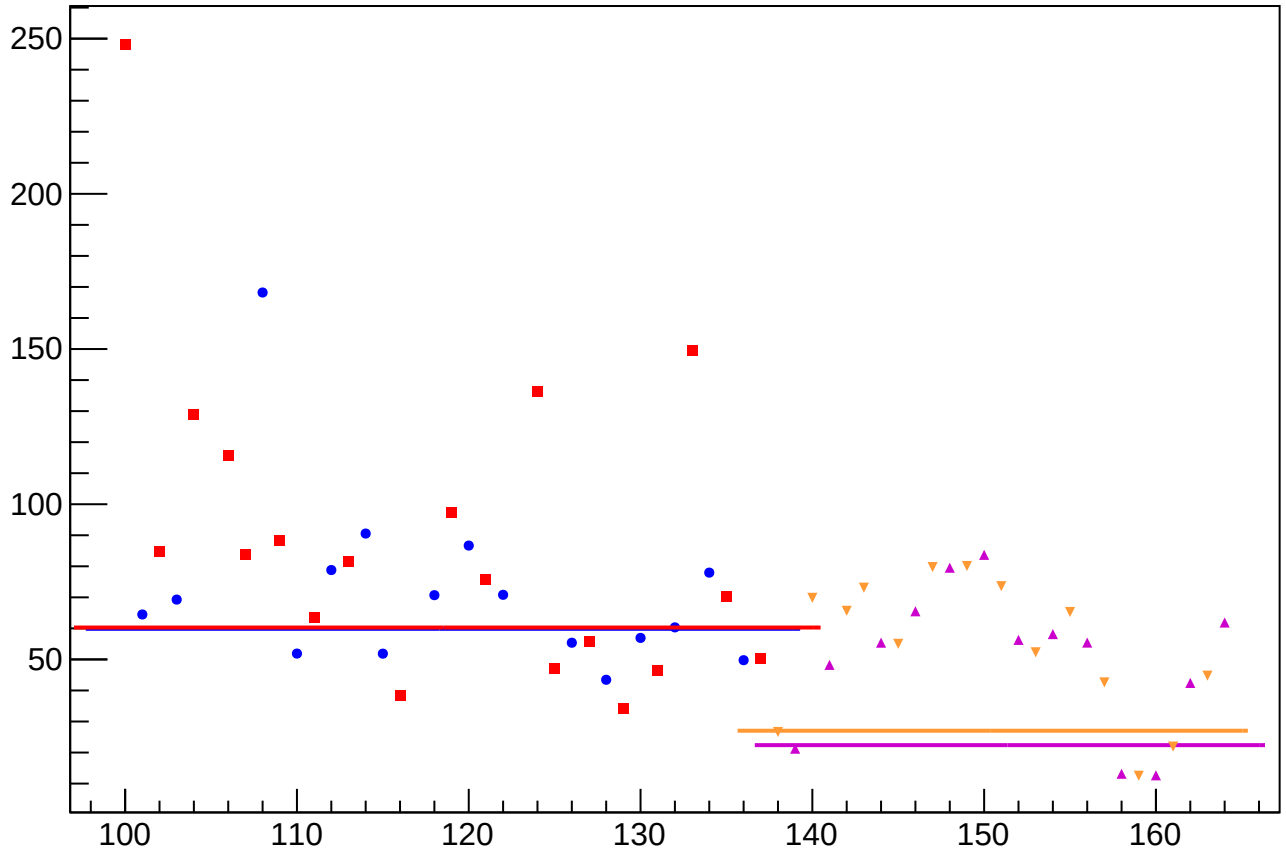
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.023+/-0.007 χ^2/NDF: 77.5/61

- 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: 27.030+/-0.008 χ^2/NDF:6792855.4/13

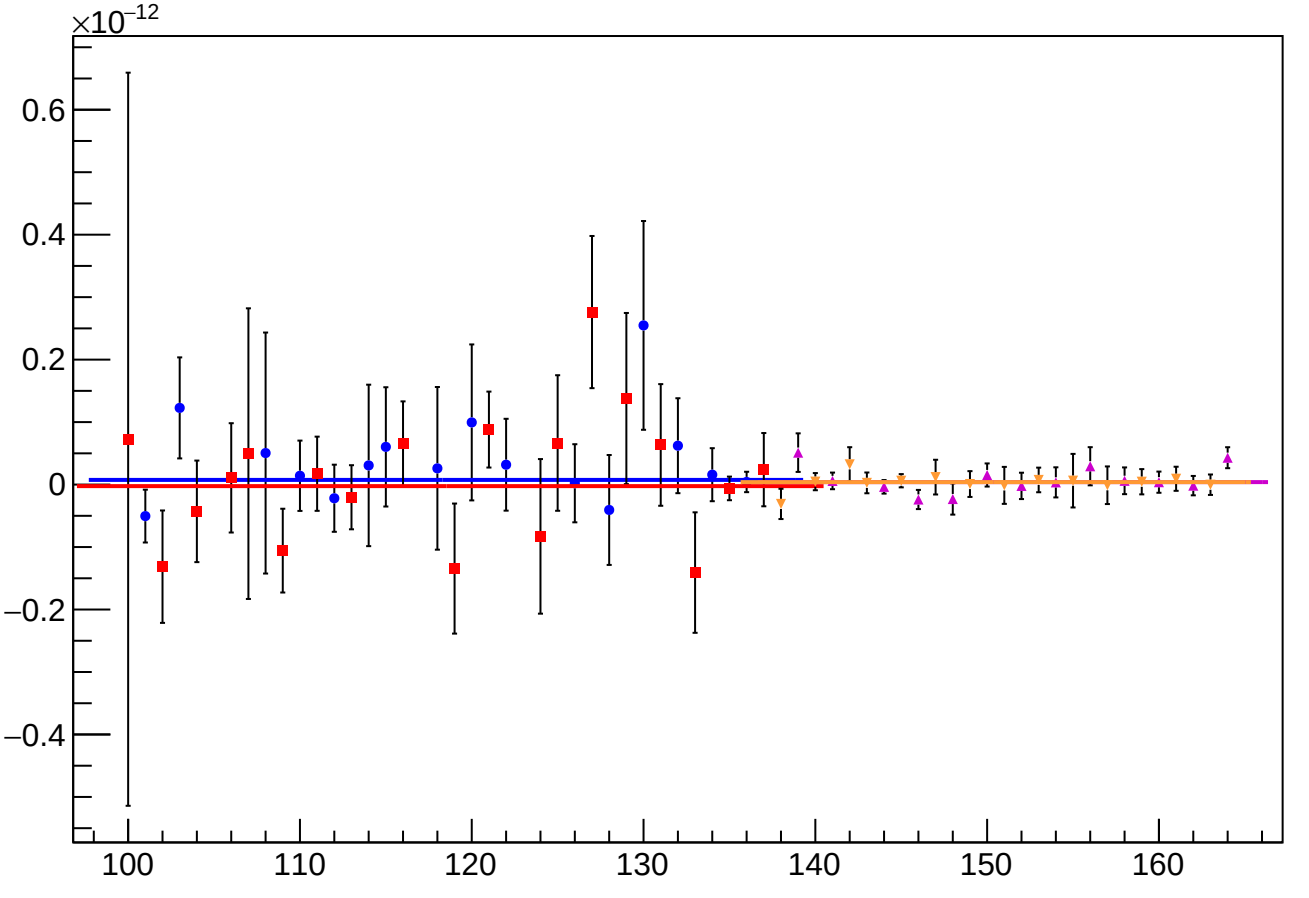
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

\+ sign 32.441+/-0.007 χ^2/NDF: 10450423.2/29

All: 29.410+/-0.005 χ^2/NDF: 23661627.0/61

\- 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:3.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

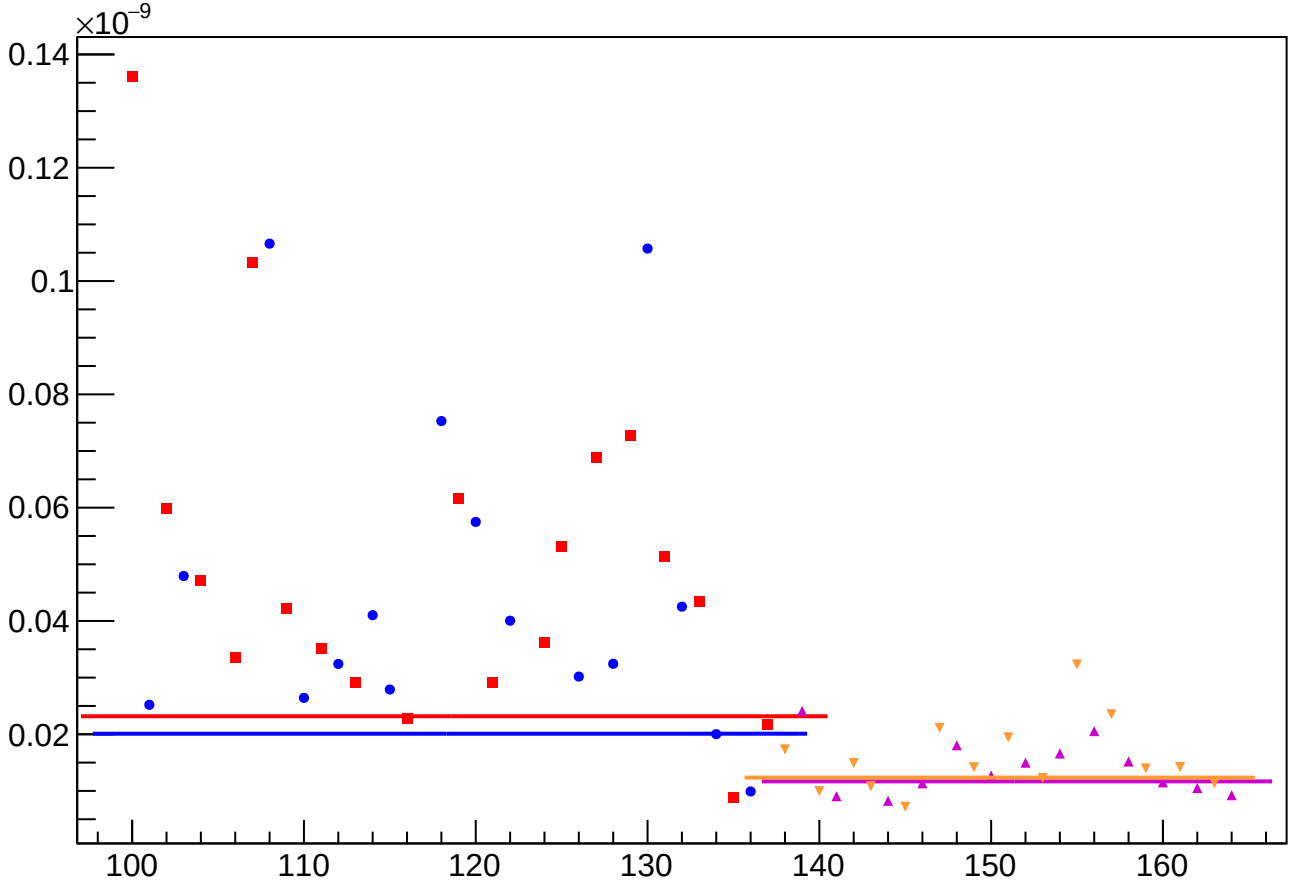
Left In: 0.000+/-0.000 χ^2/NDF:14.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 12.0/29

All: 0.000+/-0.000 χ^2/NDF: 45.9/61

- 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:1728180.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

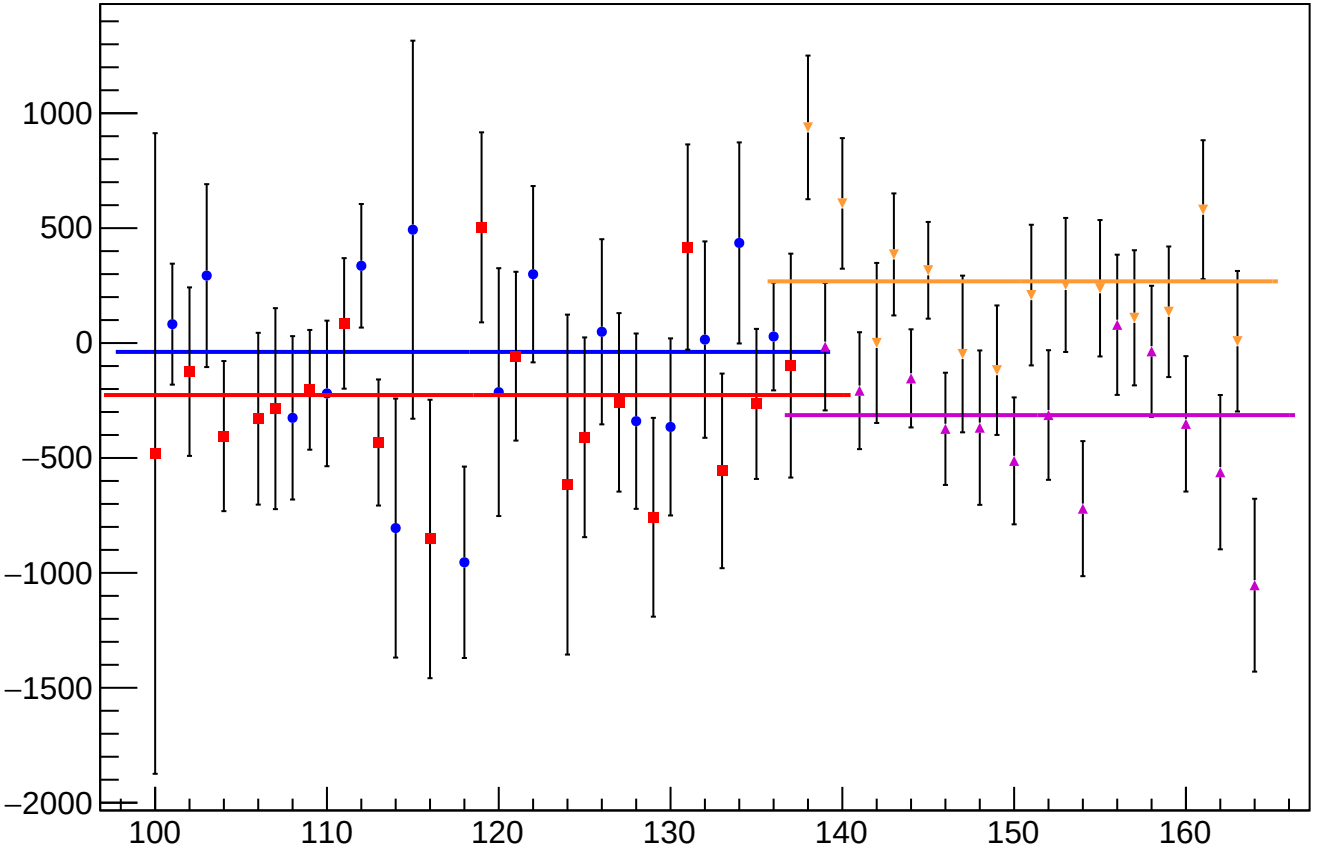
Left In: 0.000+/-0.000 χ^2/NDF:1148025.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 5542309.3/29

All: 0.000+/-0.000 χ^2/NDF: 11513057.2/61

- 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: 268.518+/-77.095 χ^2/NDF:12.0/13

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

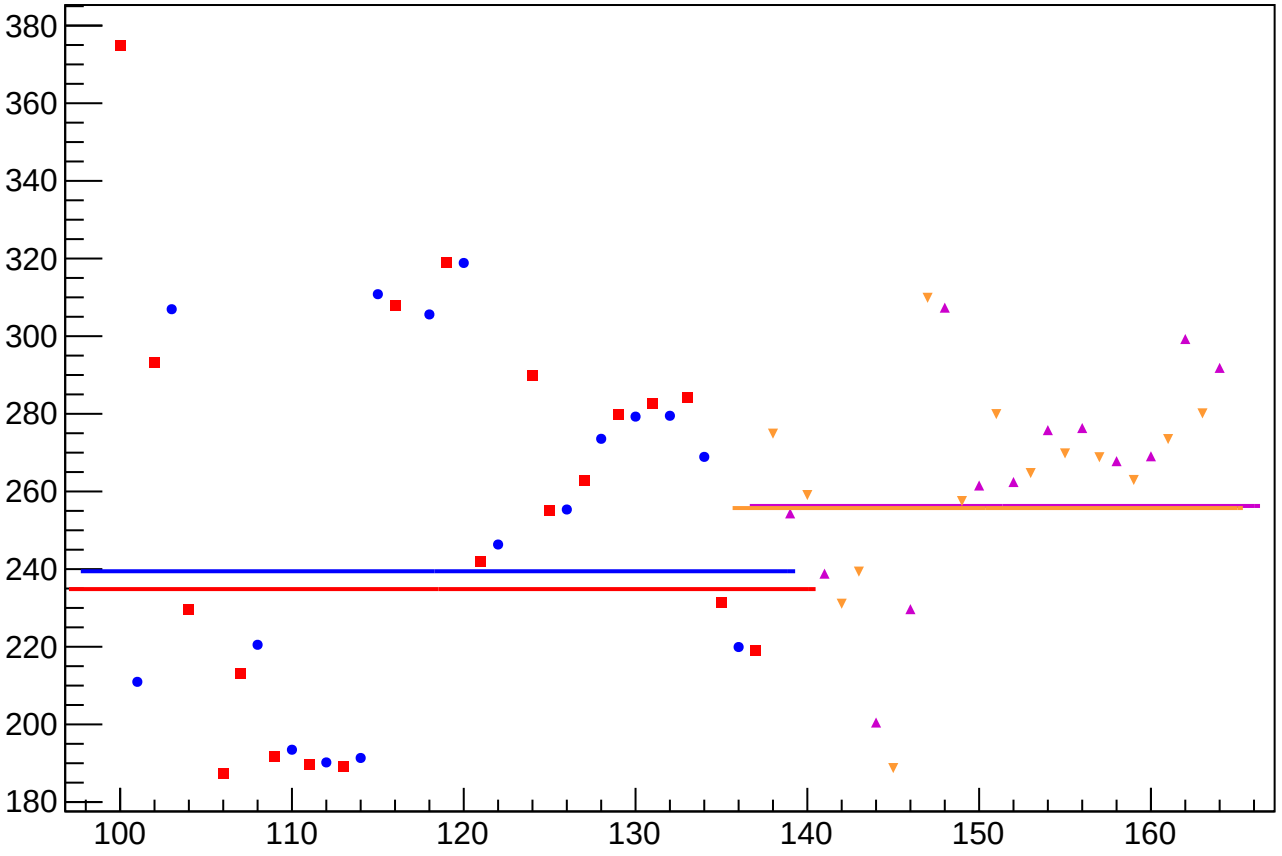
Left In: -313.606+/-78.128 χ^2/NDF:11.5/12

+ sign 139.607+/-58.719 χ^2/NDF: 33.1/29

All: -68.846+/-41.407 χ^2/NDF: 81.6/61

- 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: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

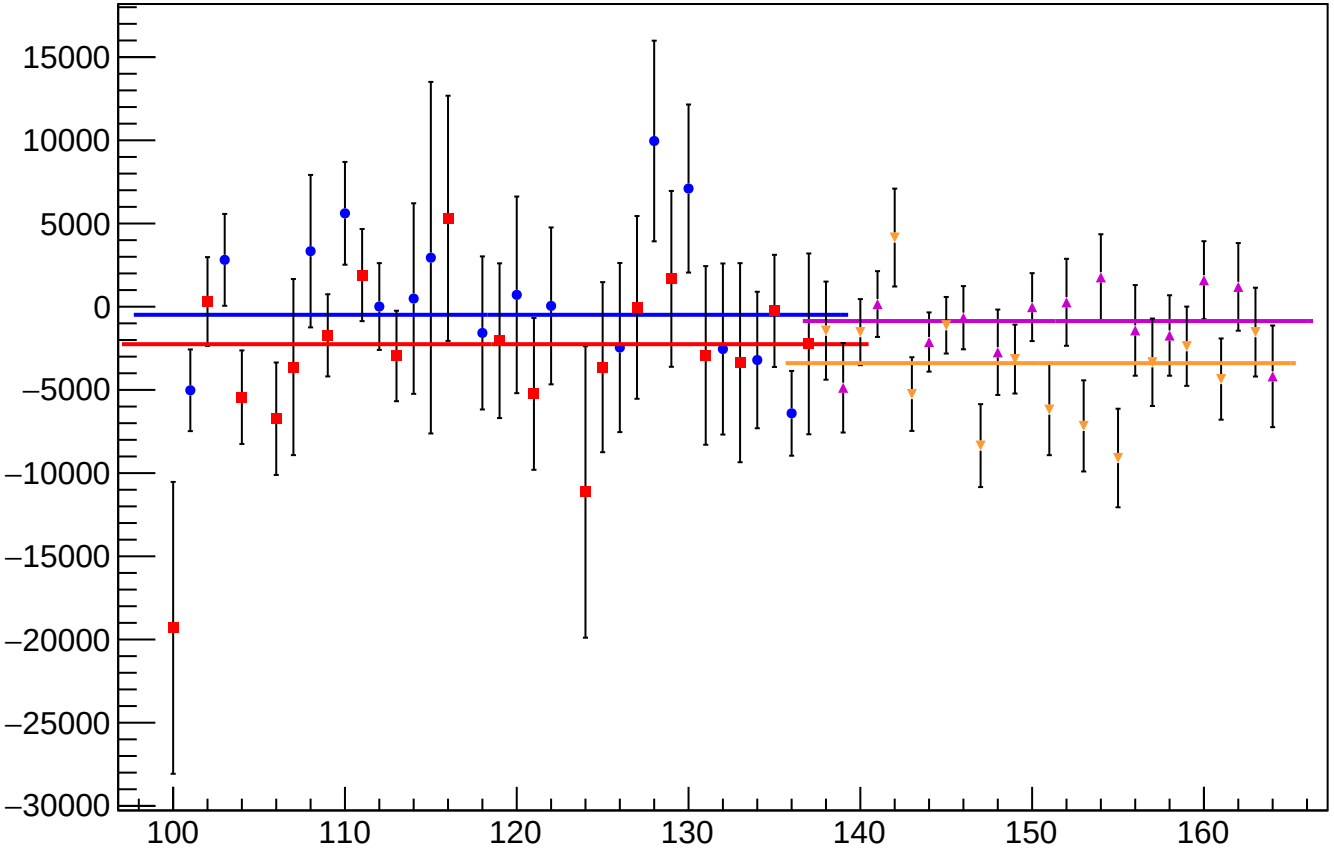
Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 248.891+/-0.042 χ^2/NDF: 760709.4/29

All: 247.849+/-0.029 χ^2/NDF: 1602882.8/61

- 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: -3391.209+/-640.320 χ^2/NDF:21.8/13

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

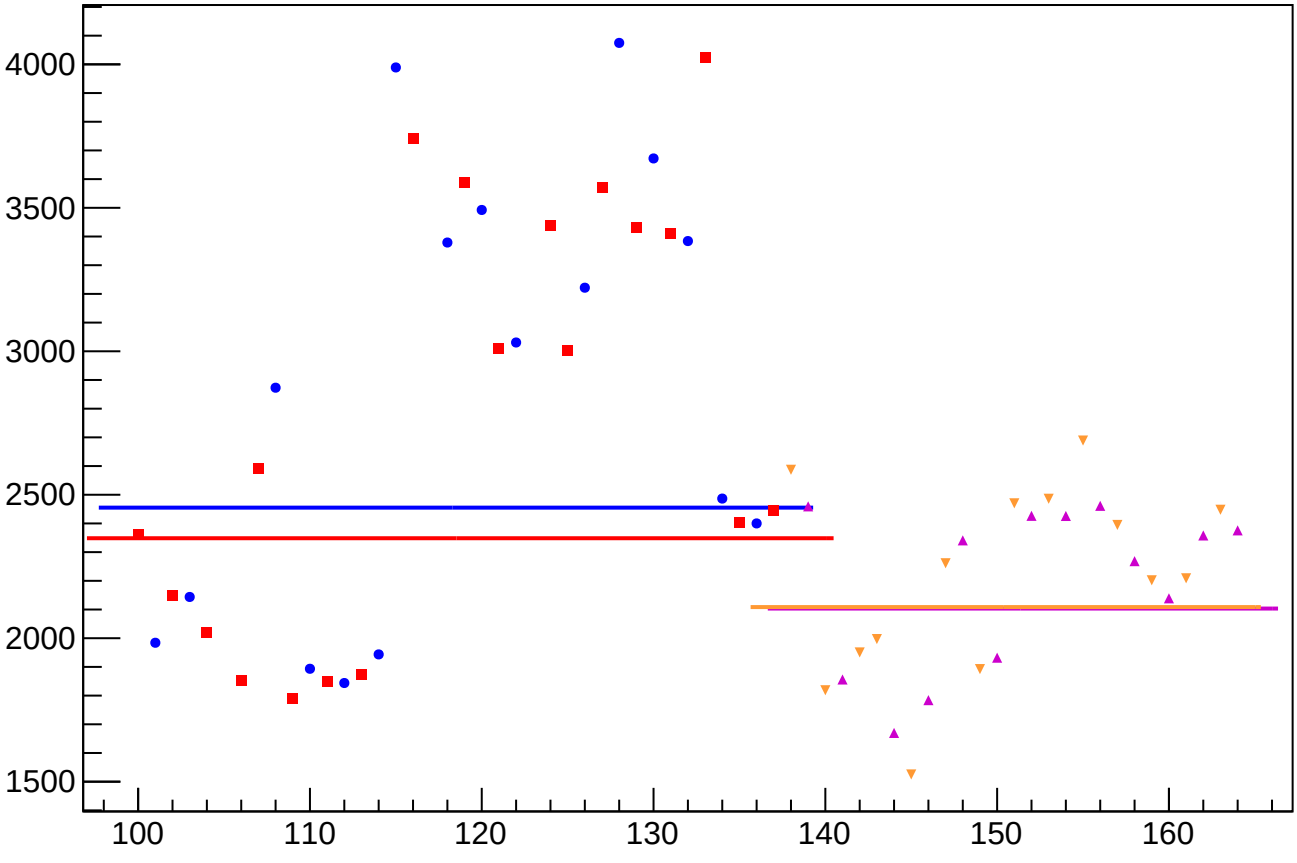
Left In: -860.989+/-643.654 χ^2/NDF:8.0/12

+ sign -2480.295+/-530.524 χ^2/NDF: 49.4/29

All: -1899.163+/-372.228 χ^2/NDF: 75.2/61

- 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: 2108.497+/-0.453 χ^2/NDF:583290.0/13

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

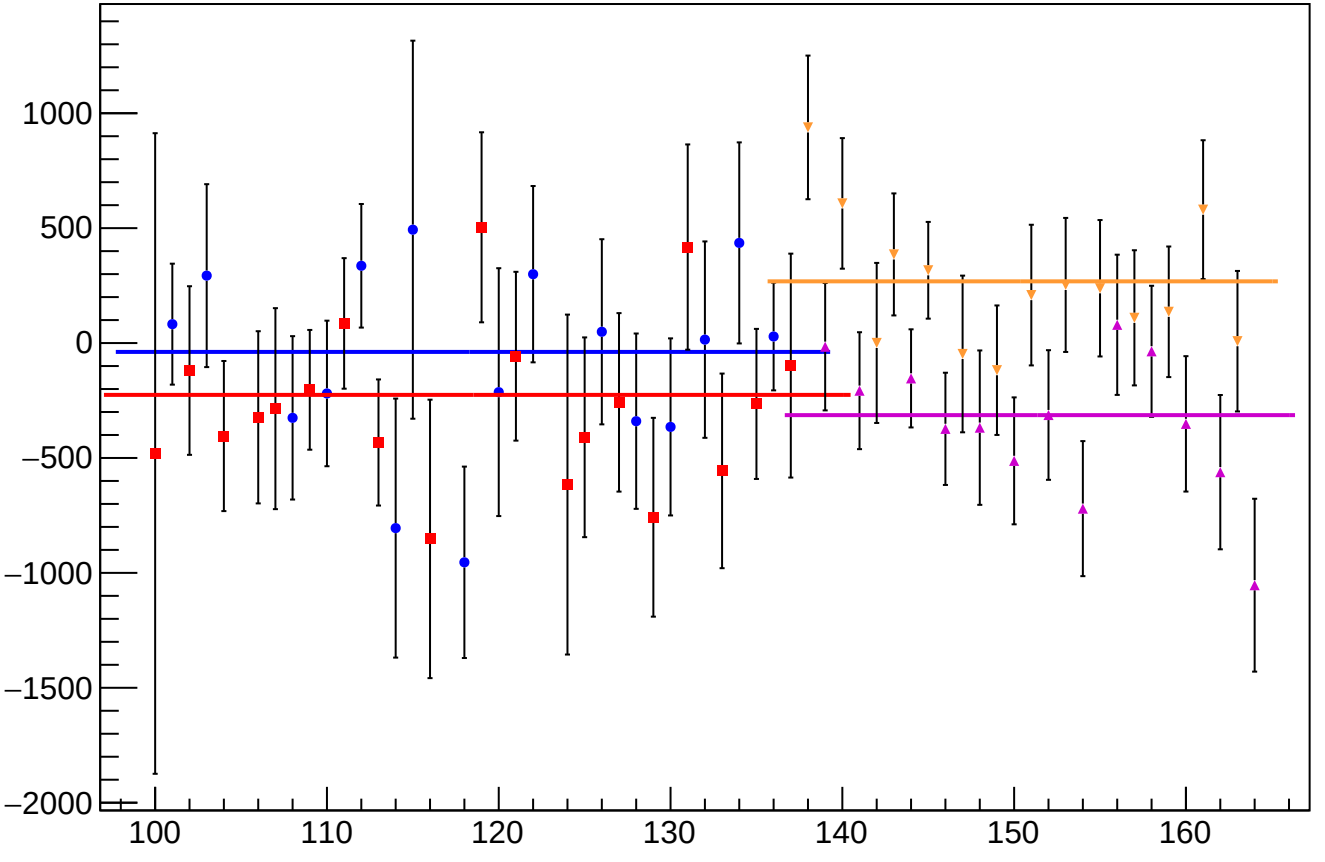
Left In: 2103.371+/-0.455 χ^2/NDF:413364.9/12

+ sign 2217.171+/-0.375 χ^2/NDF: 1661417.3/29

All: 2201.861+/-0.263 χ^2/NDF: 3229446.6/61

- sign 2187.017+/-0.369 χ^2/NDF: 1564748.8/31

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

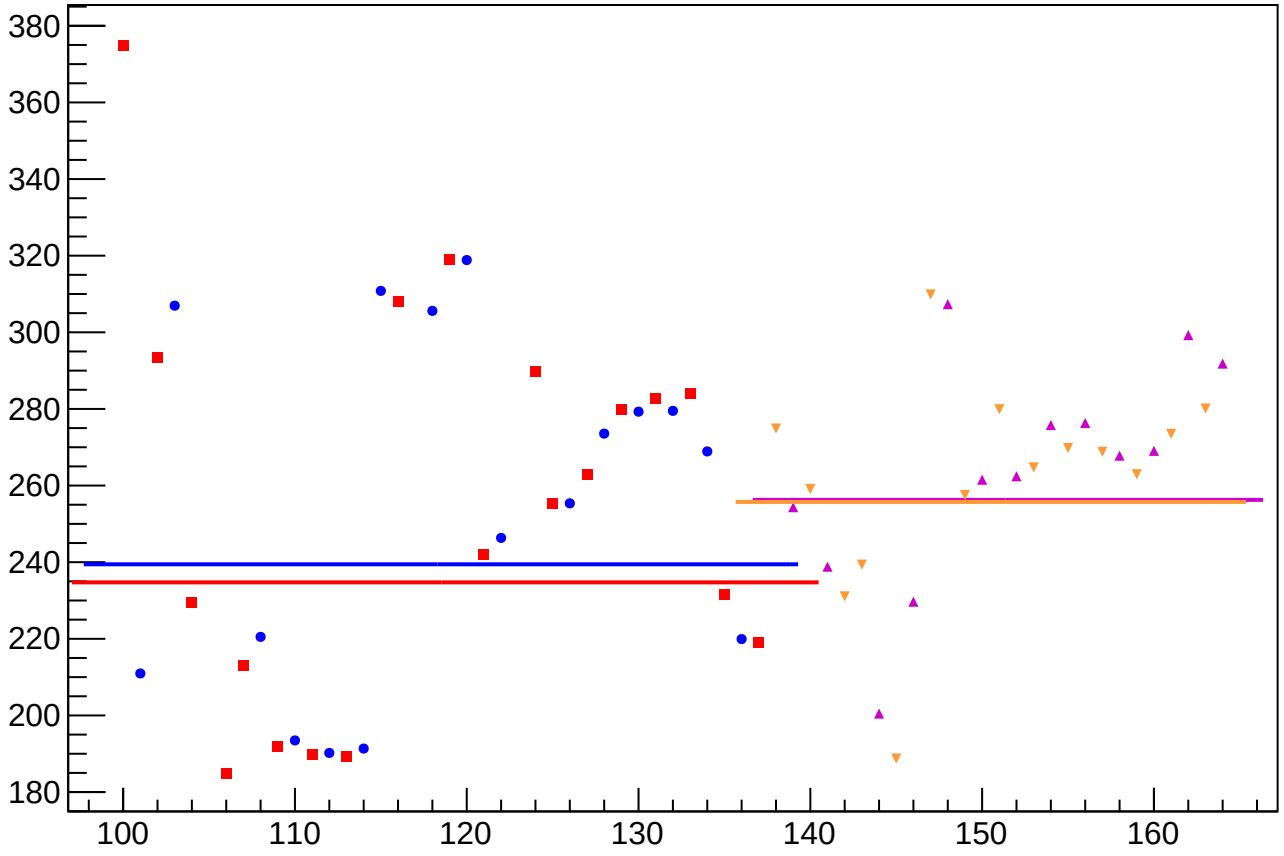
Left In: -313.610+/-78.128 χ^2/NDF:11.5/12

+ sign 139.603+/-58.719 χ^2/NDF: 33.1/29

All: -68.693+/-41.408 χ^2/NDF: 81.6/61

- 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: 255.725+/-0.055 χ^2/NDF:322324.5/13

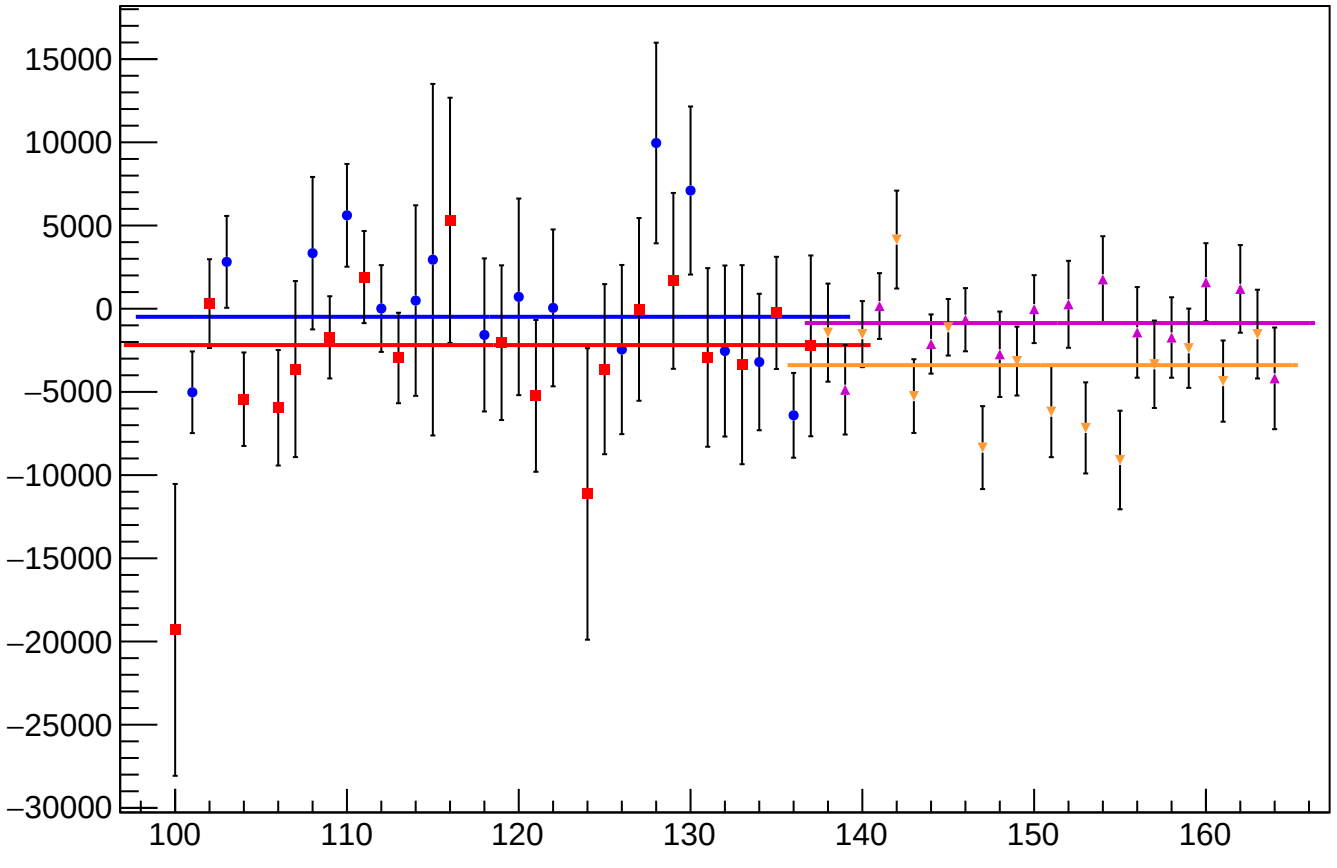
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 248.891+/-0.042 χ^2/NDF: 760711.6/29

All: 247.823+/-0.029 χ^2/NDF: 1607215.9/61

- 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: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

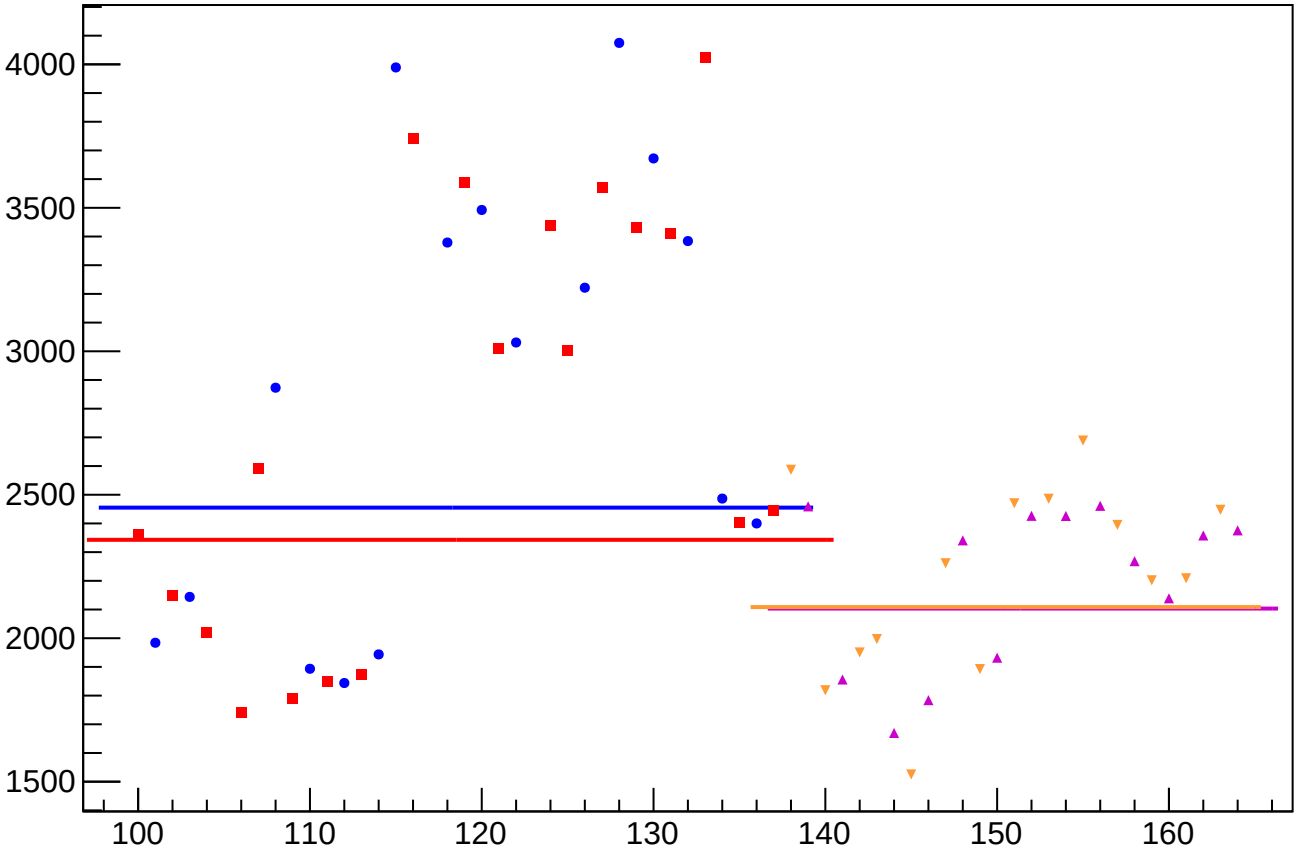
Left In: -861.003+/-643.654 χ^2/NDF:8.0/12

+ sign -2480.352+/-530.526 χ^2/NDF: 49.4/29

All: -1887.378+/-372.350 χ^2/NDF: 74.6/61

- 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: 2108.496+/-0.453 χ^2/NDF:583291.9/13

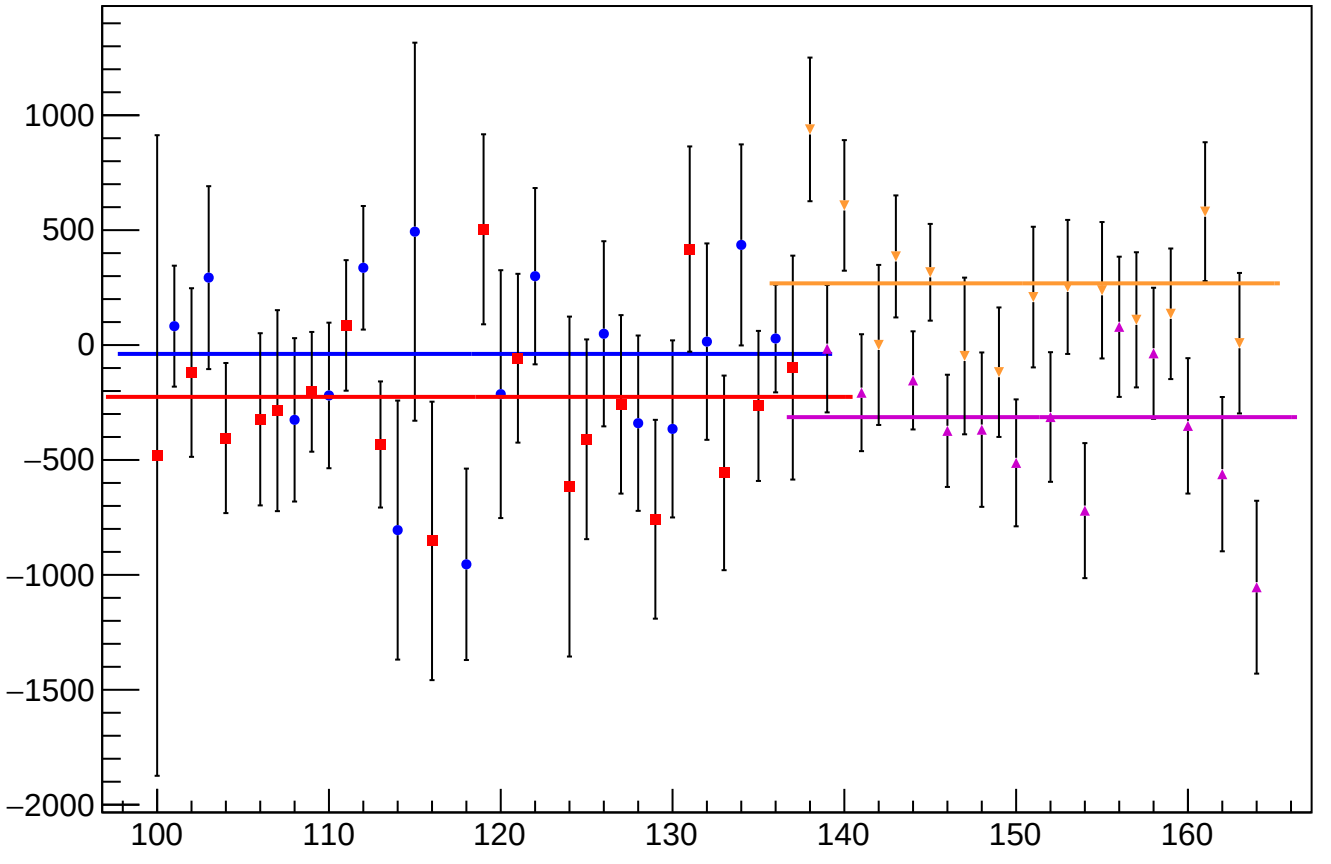
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

+ sign 2217.177+/-0.375 χ^2/NDF: 1661412.1/29

All: 2200.820+/-0.263 χ^2/NDF: 3243251.4/61

- 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: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

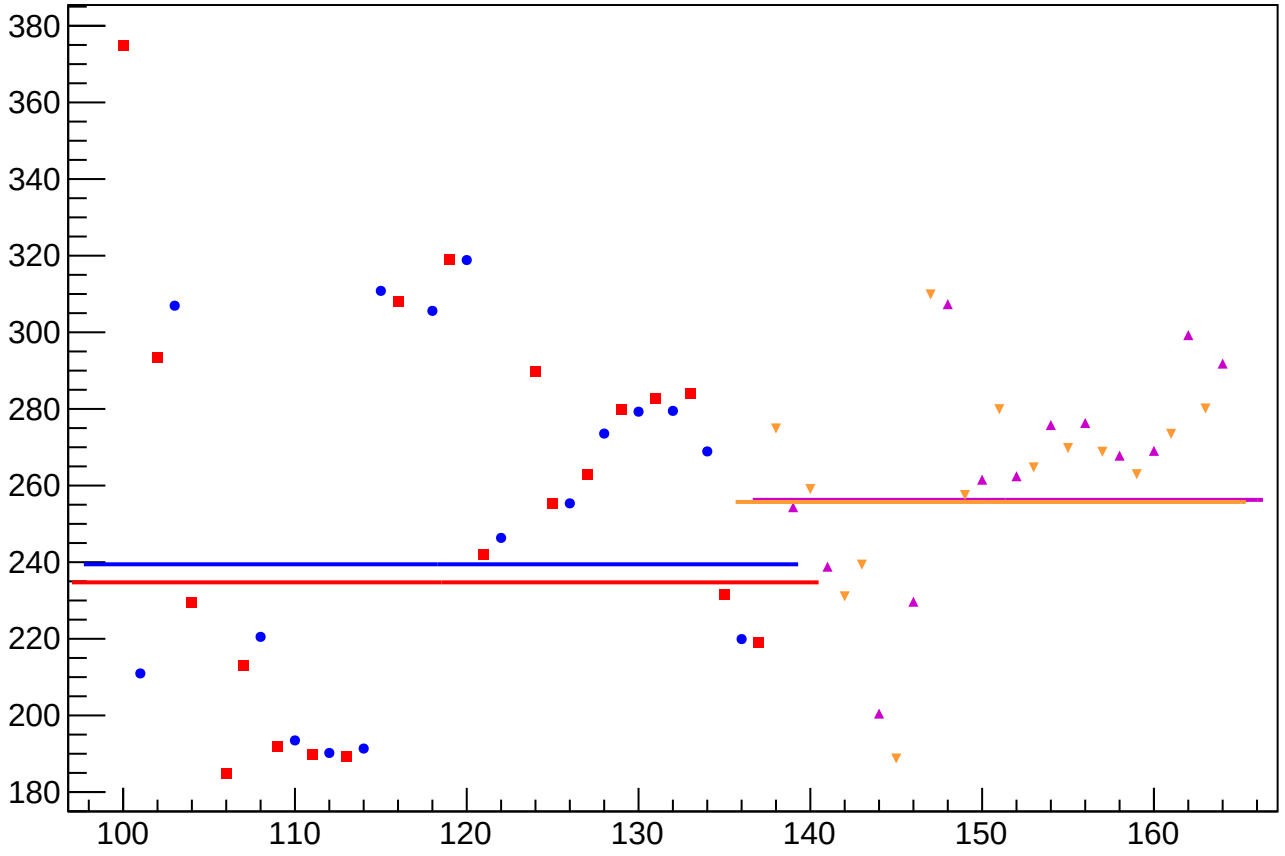
Left In: -313.610+/-78.128 χ^2/NDF:11.5/12

+ sign 139.603+/-58.719 χ^2/NDF: 33.1/29

All: -68.693+/-41.408 χ^2/NDF: 81.6/61

- 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: 255.725+/-0.055 χ^2/NDF:322324.5/13

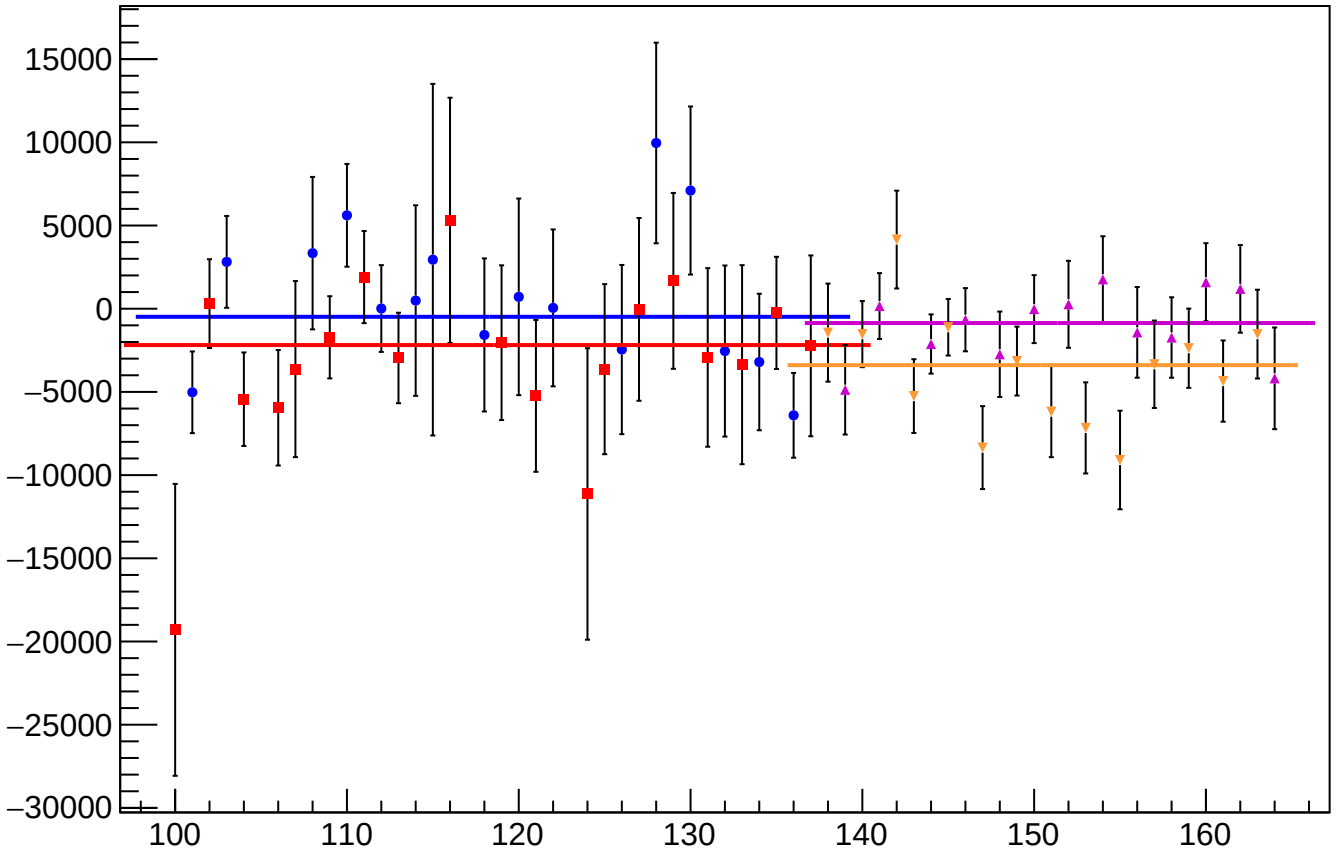
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 248.891+/-0.042 χ^2/NDF: 760711.6/29

All: 247.823+/-0.029 χ^2/NDF: 1607215.9/61

- 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: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

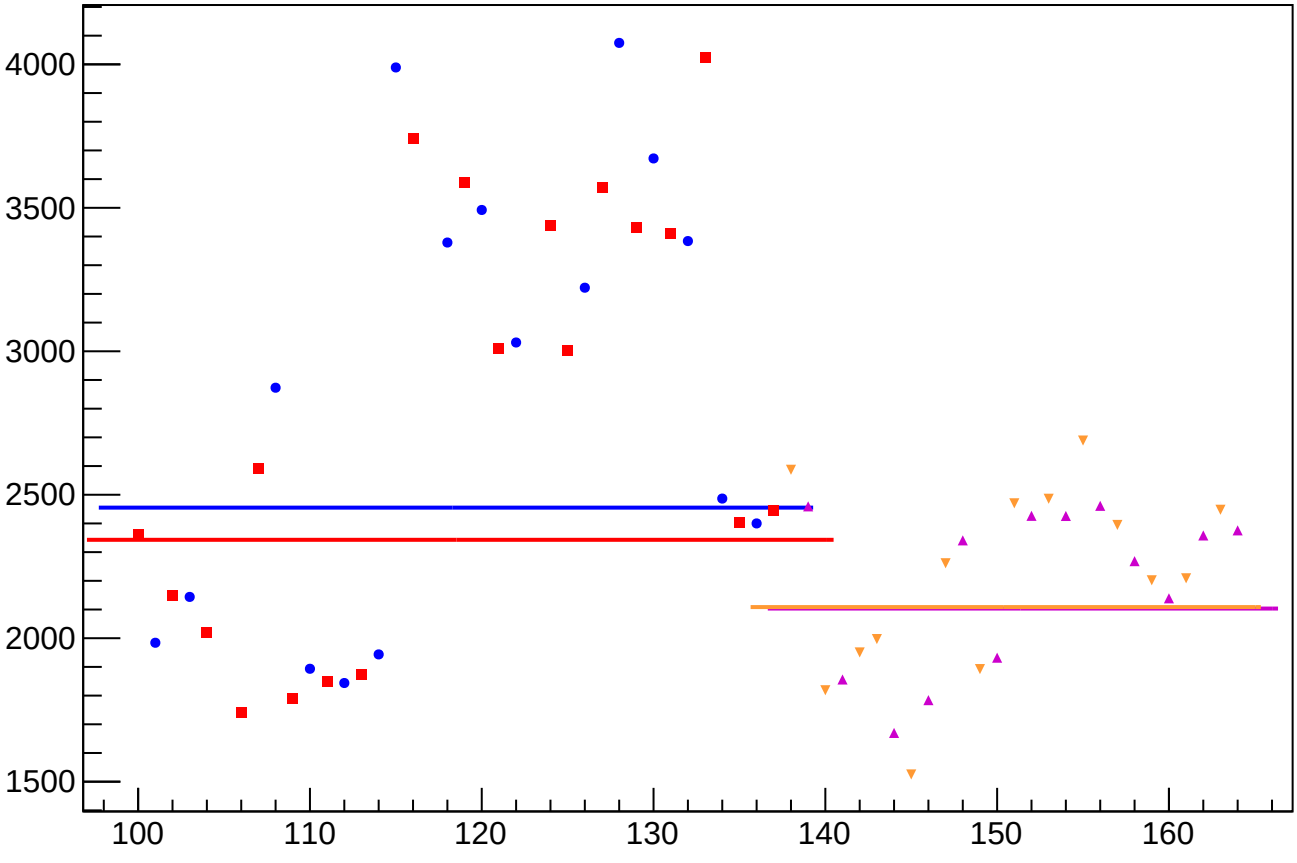
Left In: -861.003+/-643.654 χ^2/NDF:8.0/12

+ sign -2480.352+/-530.526 χ^2/NDF: 49.4/29

All: -1887.378+/-372.350 χ^2/NDF: 74.6/61

- 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: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

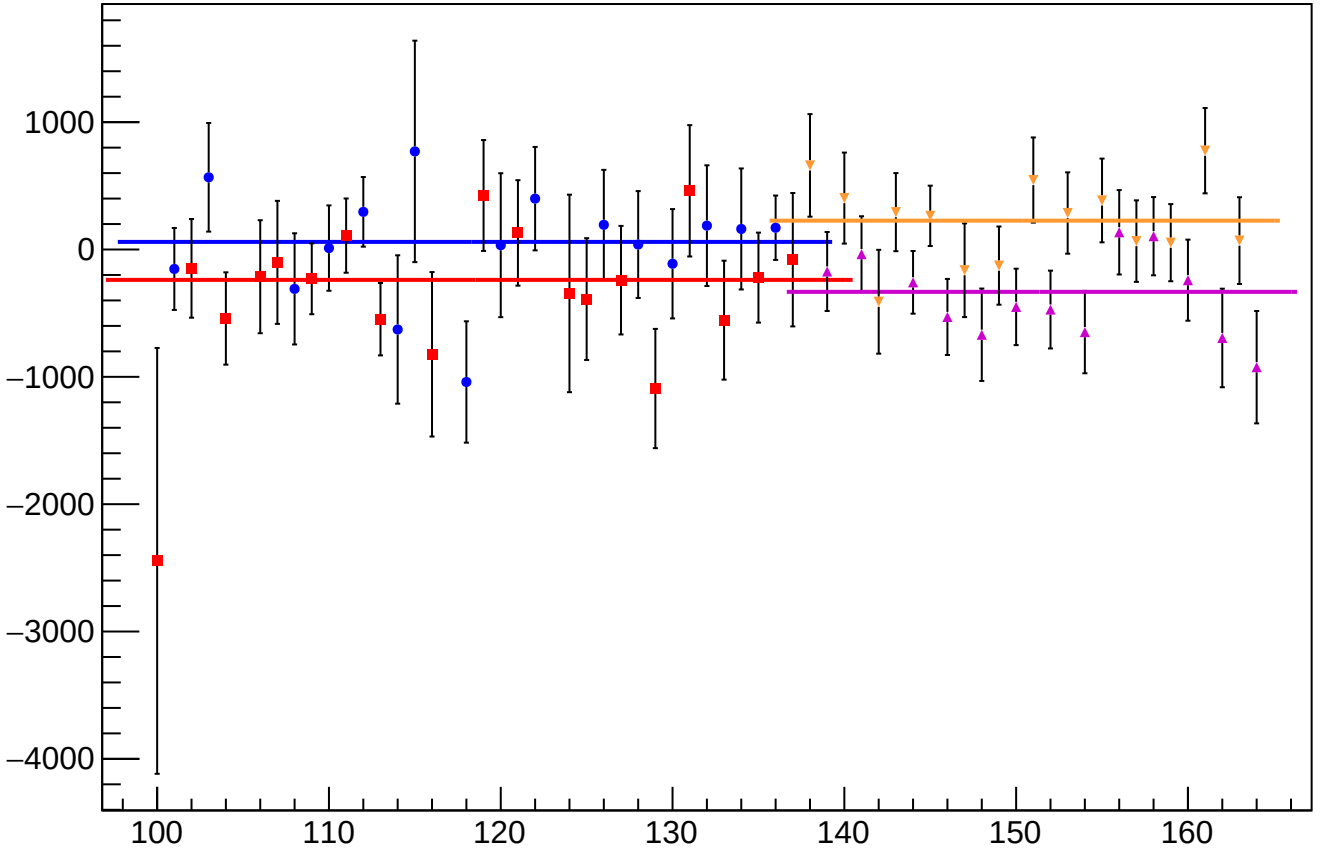
Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

+ sign 2217.177+/-0.375 χ^2/NDF: 1661412.1/29

All: 2200.820+/-0.263 χ^2/NDF: 3243251.4/61

- sign 2184.940+/-0.370 χ^2/NDF: 1578092.3/31

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.467+/-86.834 χ^2/NDF:11.0/13

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

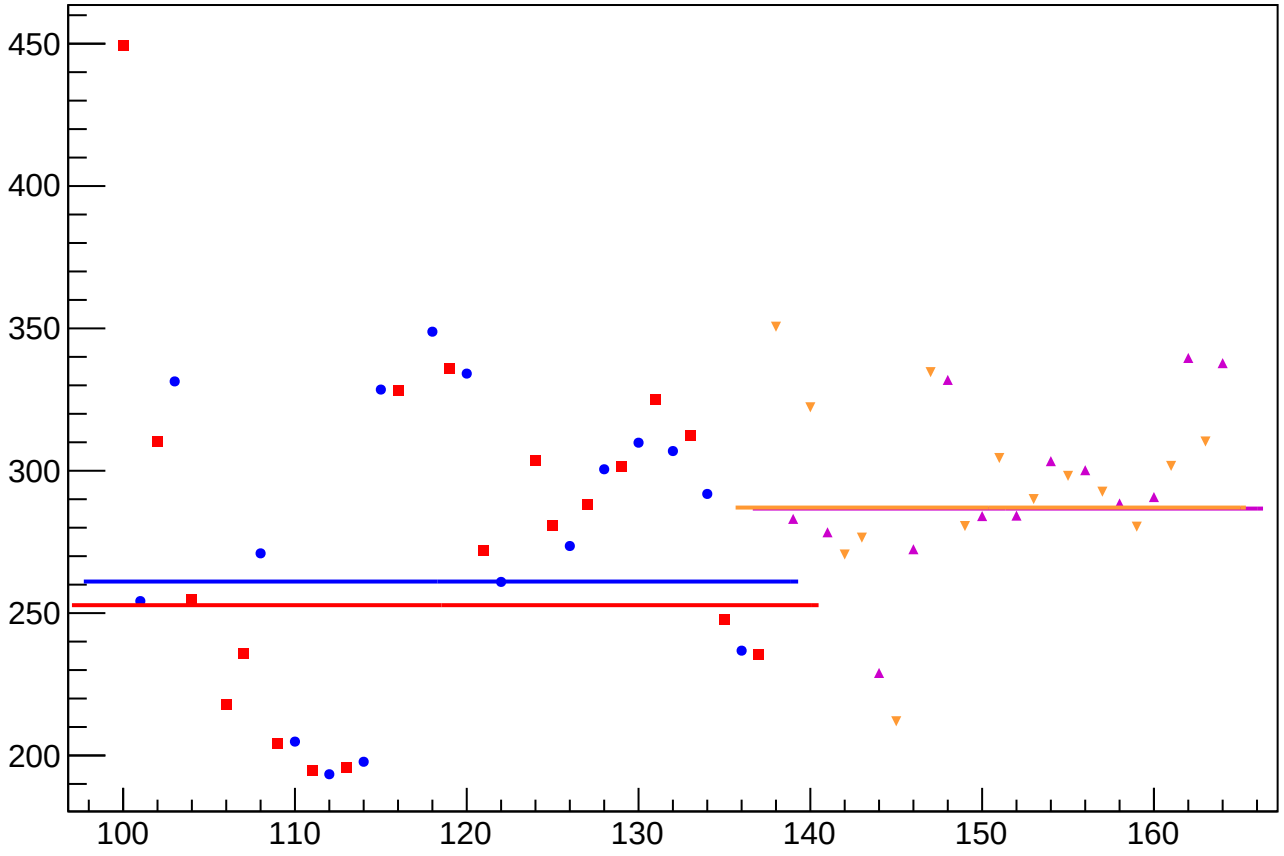
Left In: -332.540+/-87.779 χ^2/NDF:10.7/12

+ sign 154.156+/-65.347 χ^2/NDF: 24.6/29

All: -70.480+/-45.901 χ^2/NDF: 74.1/61

- sign -289.268+/-64.490 χ^2/NDF: 26.2/31

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 287.073+/-0.061 χ^2/NDF:332363.3/13

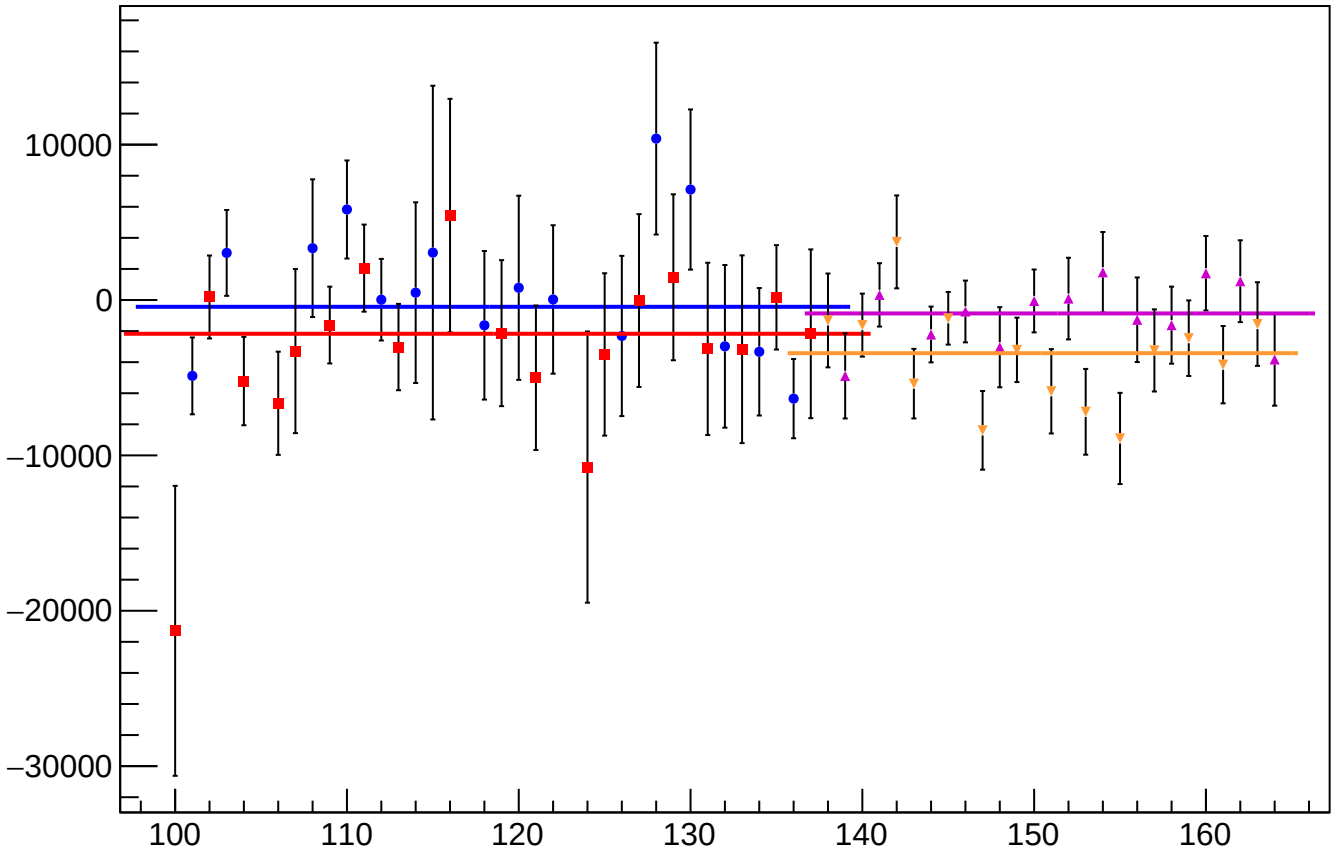
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.716+/-0.062 χ^2/NDF:220969.4/12

+ sign 275.804+/-0.046 χ^2/NDF: 872692.1/29

All: 273.422+/-0.032 χ^2/NDF: 1773717.7/61

- sign 271.101+/-0.046 χ^2/NDF: 895776.1/31



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3421.984+/-646.075 χ^2/NDF:20.3/13

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

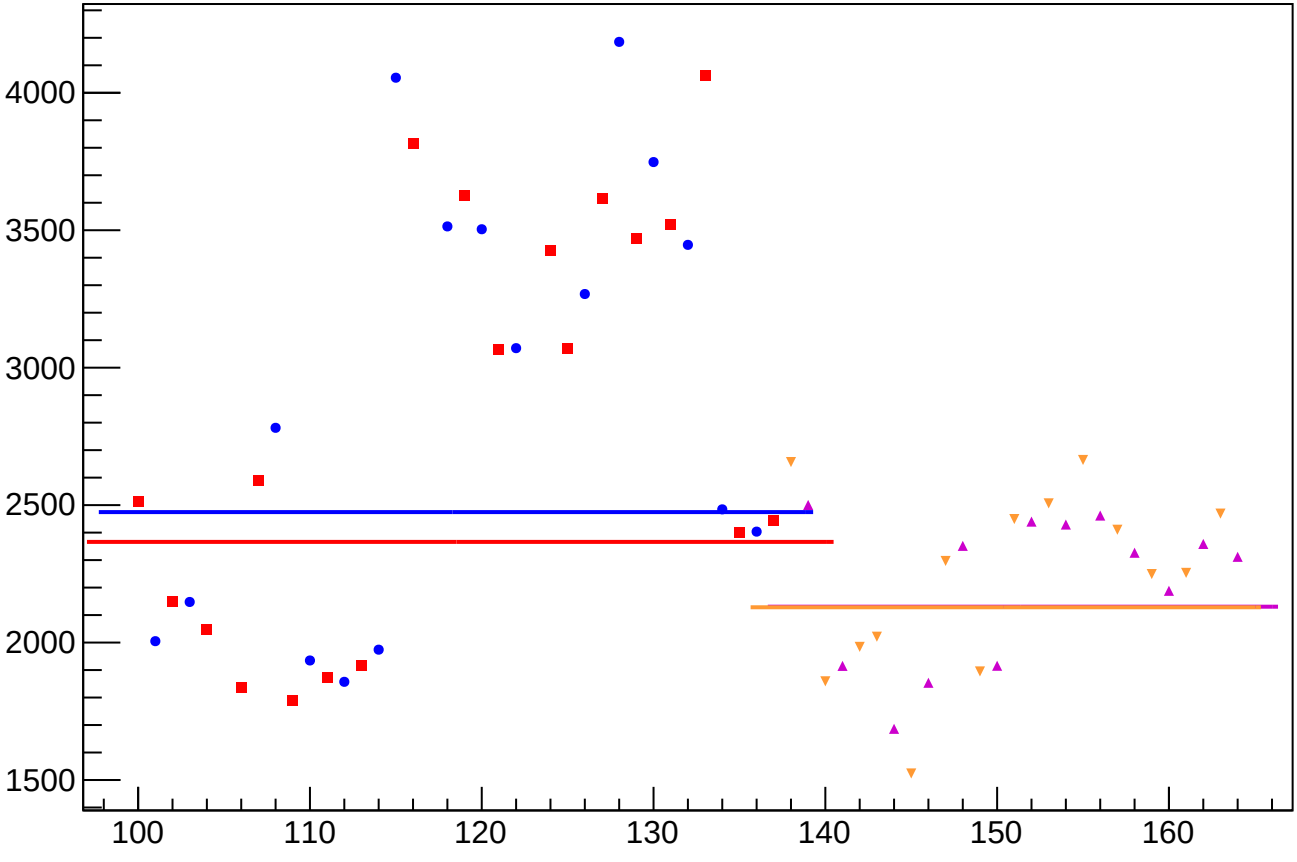
Left In: -863.025+/-651.635 χ^2/NDF:8.0/12

+ sign -2484.864+/-535.145 χ^2/NDF: 48.2/29

All: -1890.857+/-375.865 χ^2/NDF: 74.0/61

- 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: 2128.370+/-0.457 χ^2/NDF:591414.6/13

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

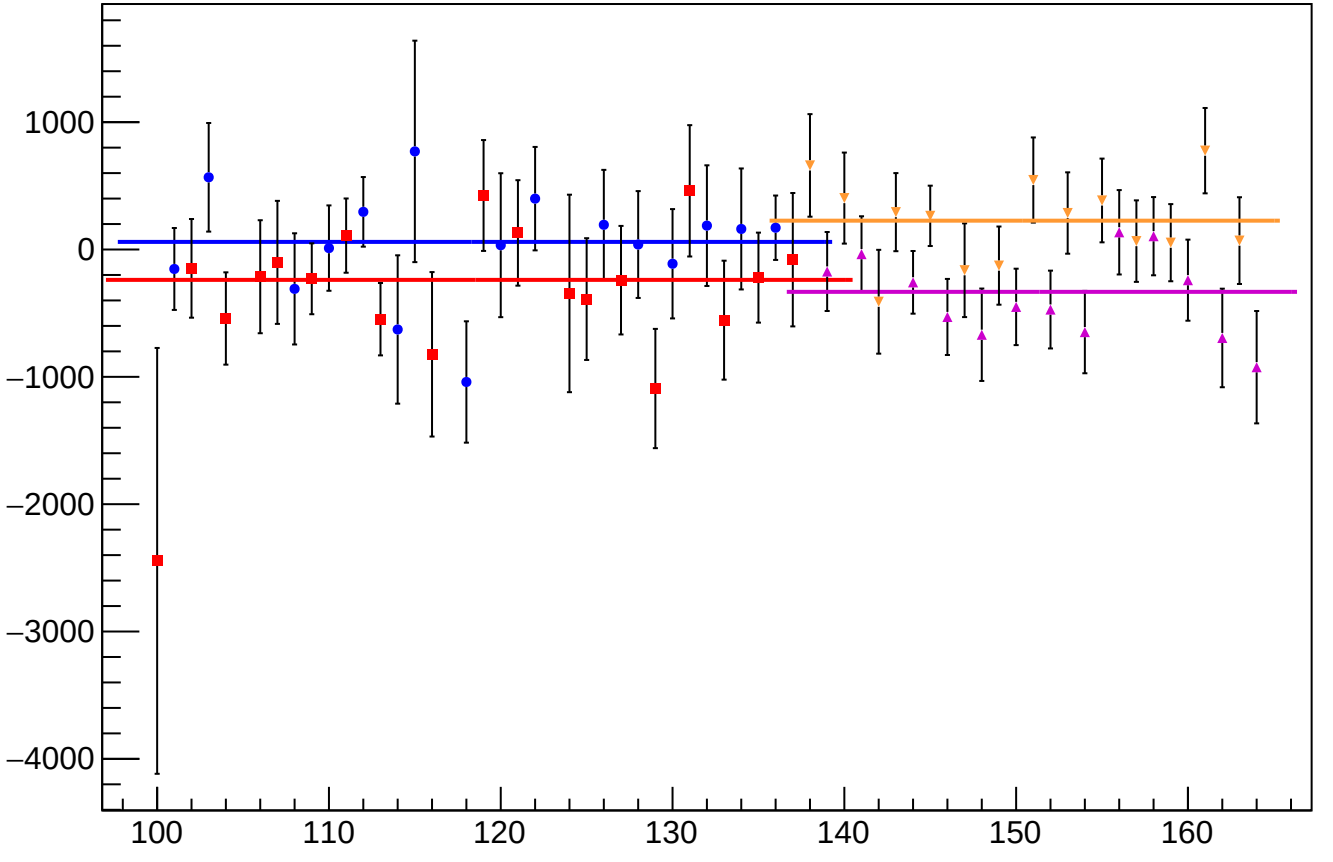
Left In: 2130.480+/-0.461 χ^2/NDF:377701.3/12

+ sign 2237.064+/-0.378 χ^2/NDF: 1687993.8/29

All: 2224.075+/-0.266 χ^2/NDF: 3235076.6/61

- 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: 226.471+/-86.834 χ^2/NDF:11.0/13

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

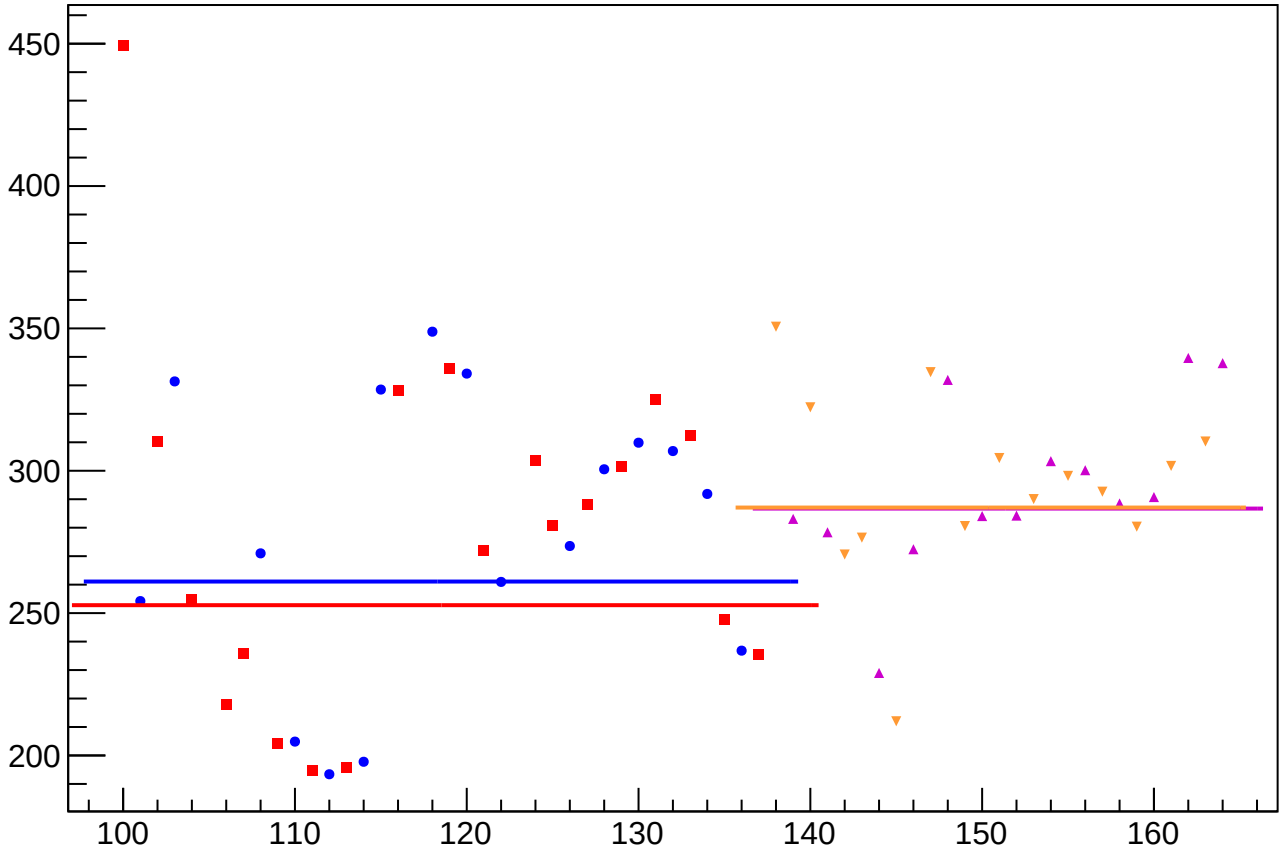
Left In: -332.541+/-87.779 χ^2/NDF:10.7/12

+ sign 154.161+/-65.347 χ^2/NDF: 24.6/29

All: -70.478+/-45.901 χ^2/NDF: 74.1/61

- 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: 287.074+/-0.061 χ^2/NDF:332358.4/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

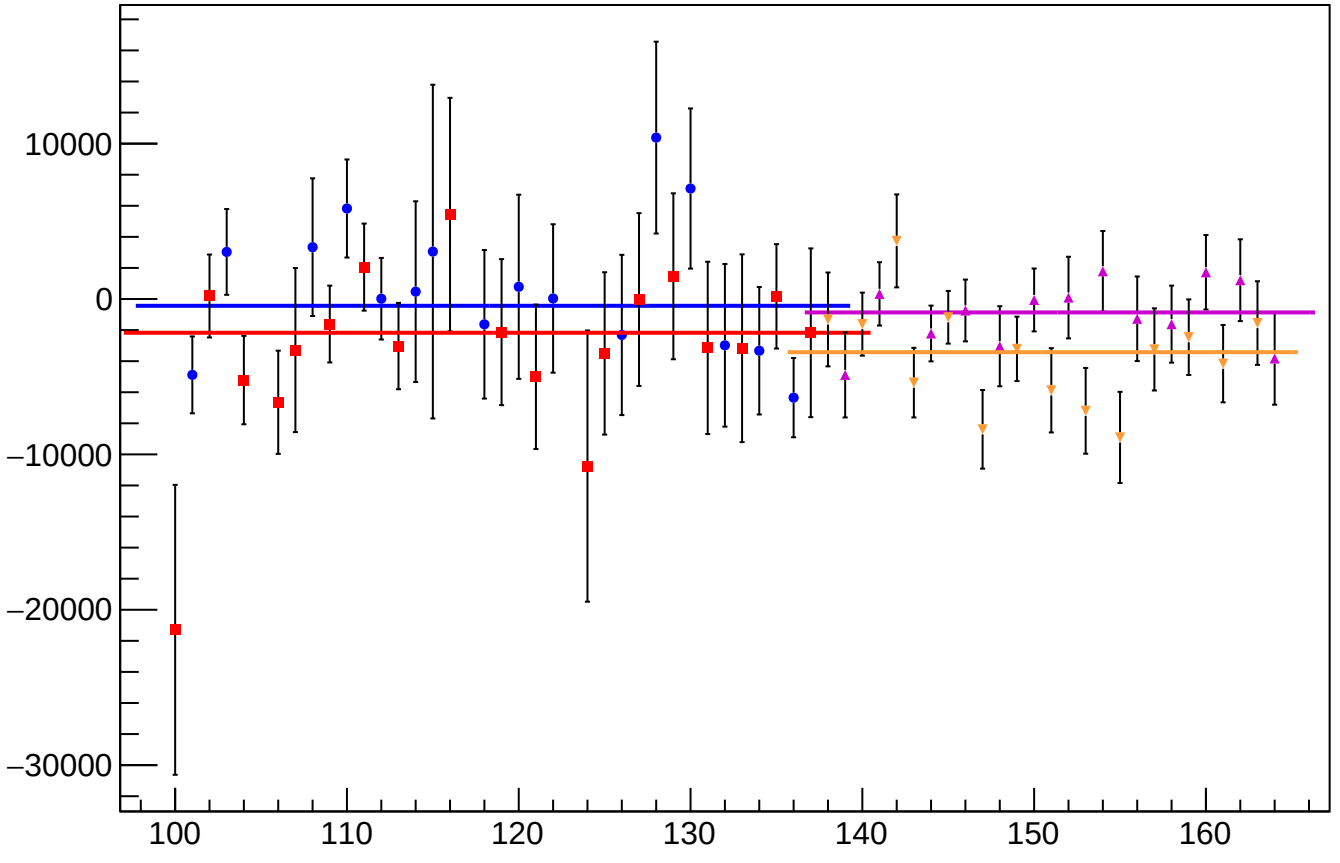
Left In: 286.716+/-0.062 χ^2/NDF:220967.6/12

+ sign 275.805+/-0.046 χ^2/NDF: 872692.6/29

All: 273.422+/-0.032 χ^2/NDF: 1773723.5/61

- 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: -3421.977+/-646.074 χ^2/NDF:20.3/13

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

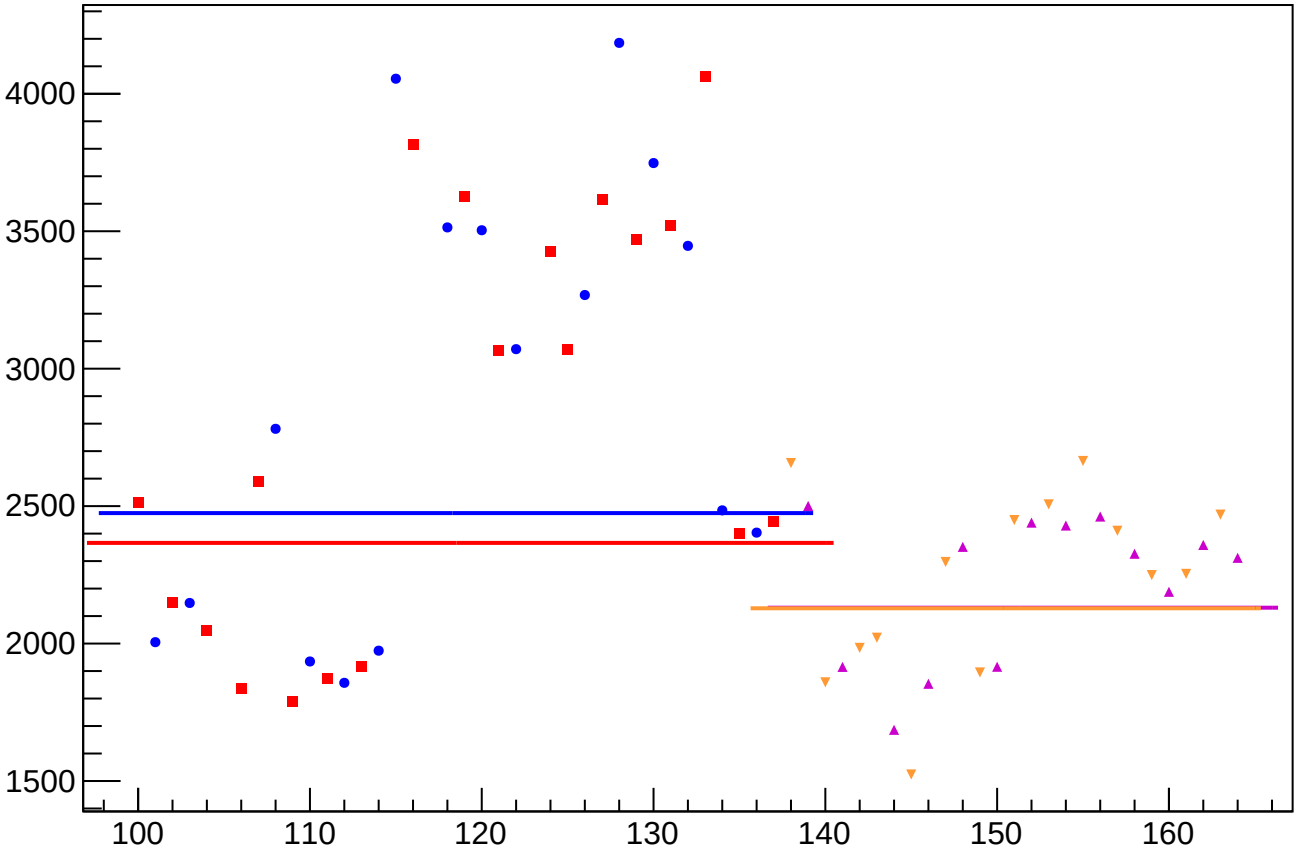
Left In: -863.023+/-651.635 χ^2/NDF:8.0/12

+ sign -2484.859+/-535.144 χ^2/NDF: 48.2/29

All: -1890.854+/-375.865 χ^2/NDF: 74.0/61

- 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: 2128.367+/-0.457 χ^2/NDF:591417.6/13

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

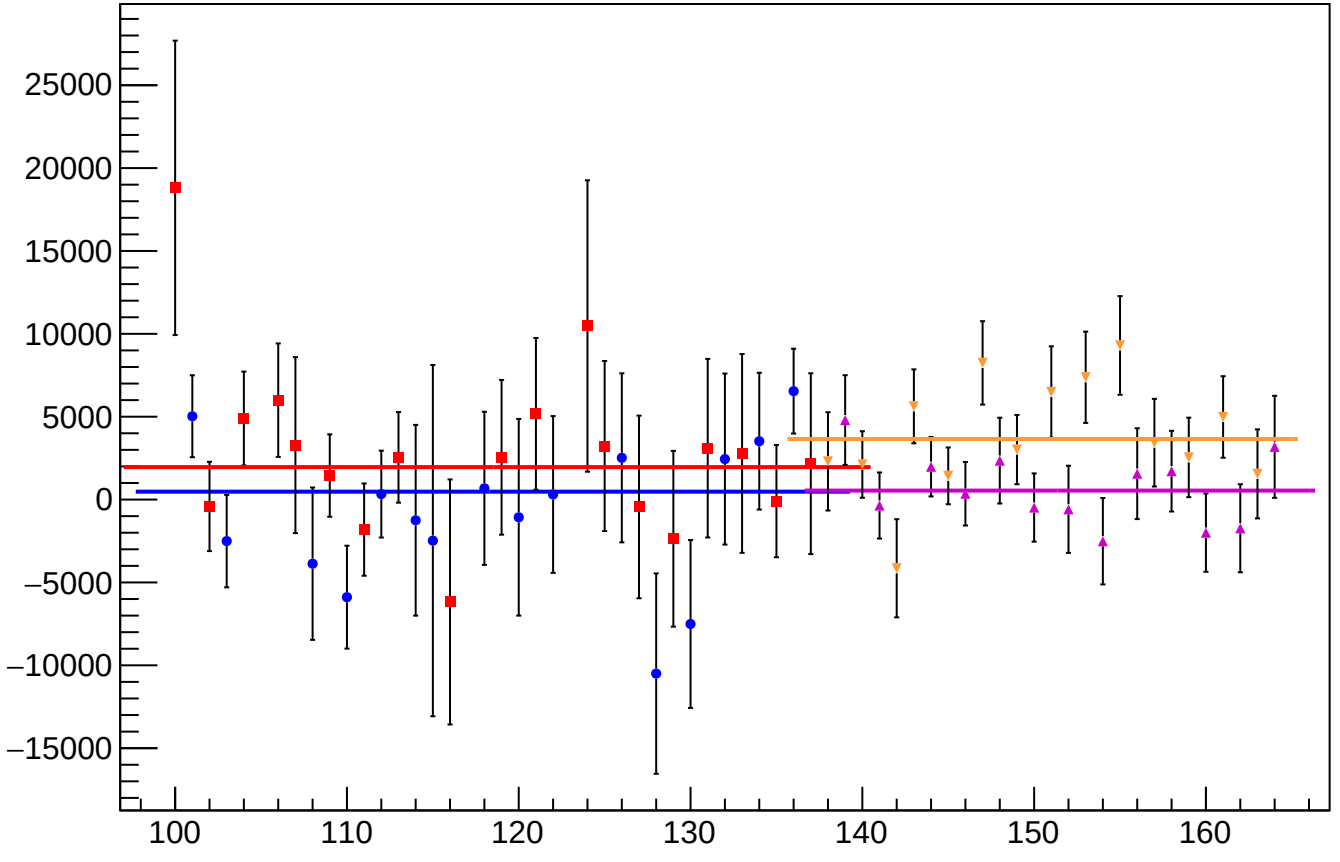
Left In: 2130.479+/-0.461 χ^2/NDF:377699.5/12

+ sign 2237.062+/-0.378 χ^2/NDF: 1688001.1/29

All: 2224.073+/-0.266 χ^2/NDF: 3235084.2/61

- 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: 3653.703+/-645.215 χ^2/NDF:21.2/13

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

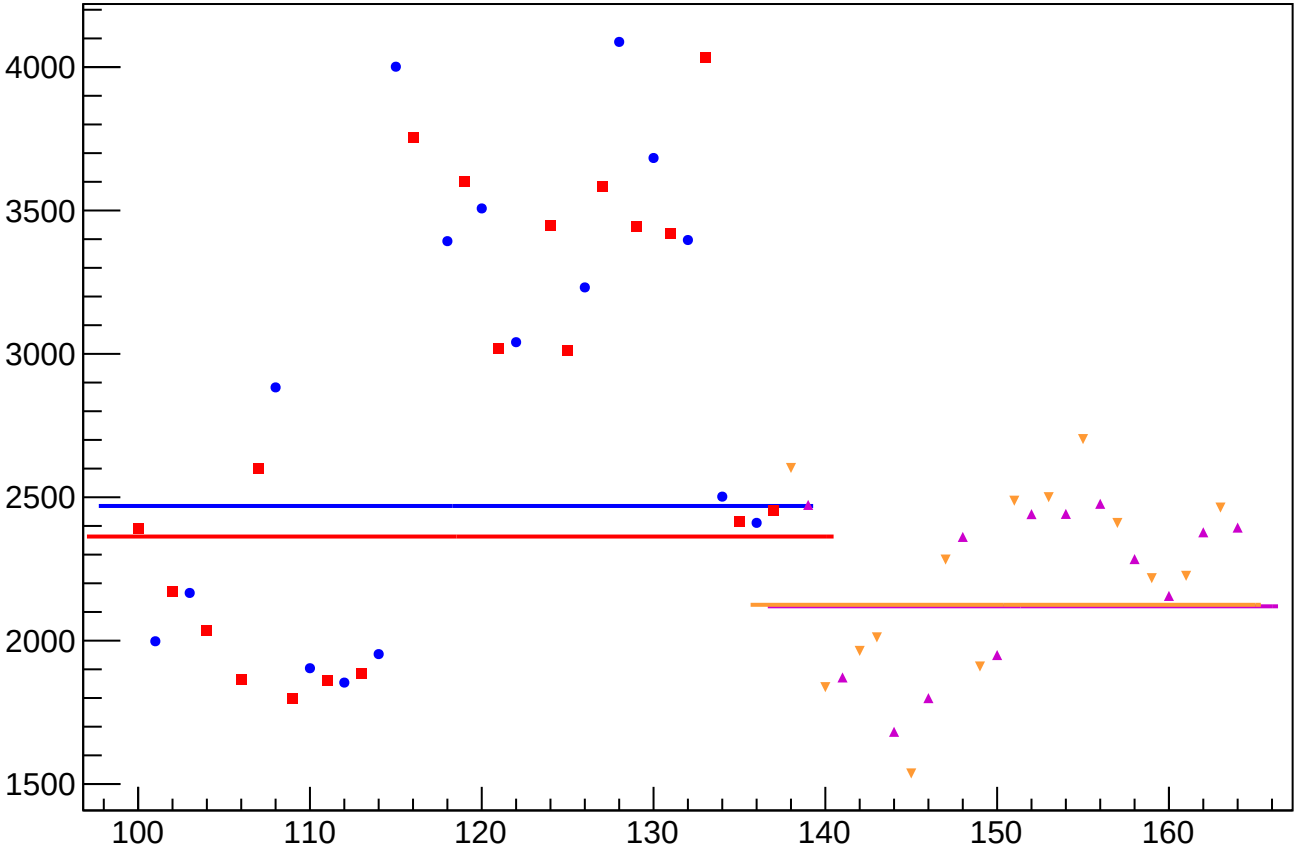
Left In: 543.231+/-648.583 χ^2/NDF:8.6/12

+ sign 2654.979+/-534.237 χ^2/NDF: 51.0/29

All: 1828.813+/-374.862 χ^2/NDF: 78.8/61

- 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: 2125.021+/-0.456 χ^2/NDF:577375.5/13

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

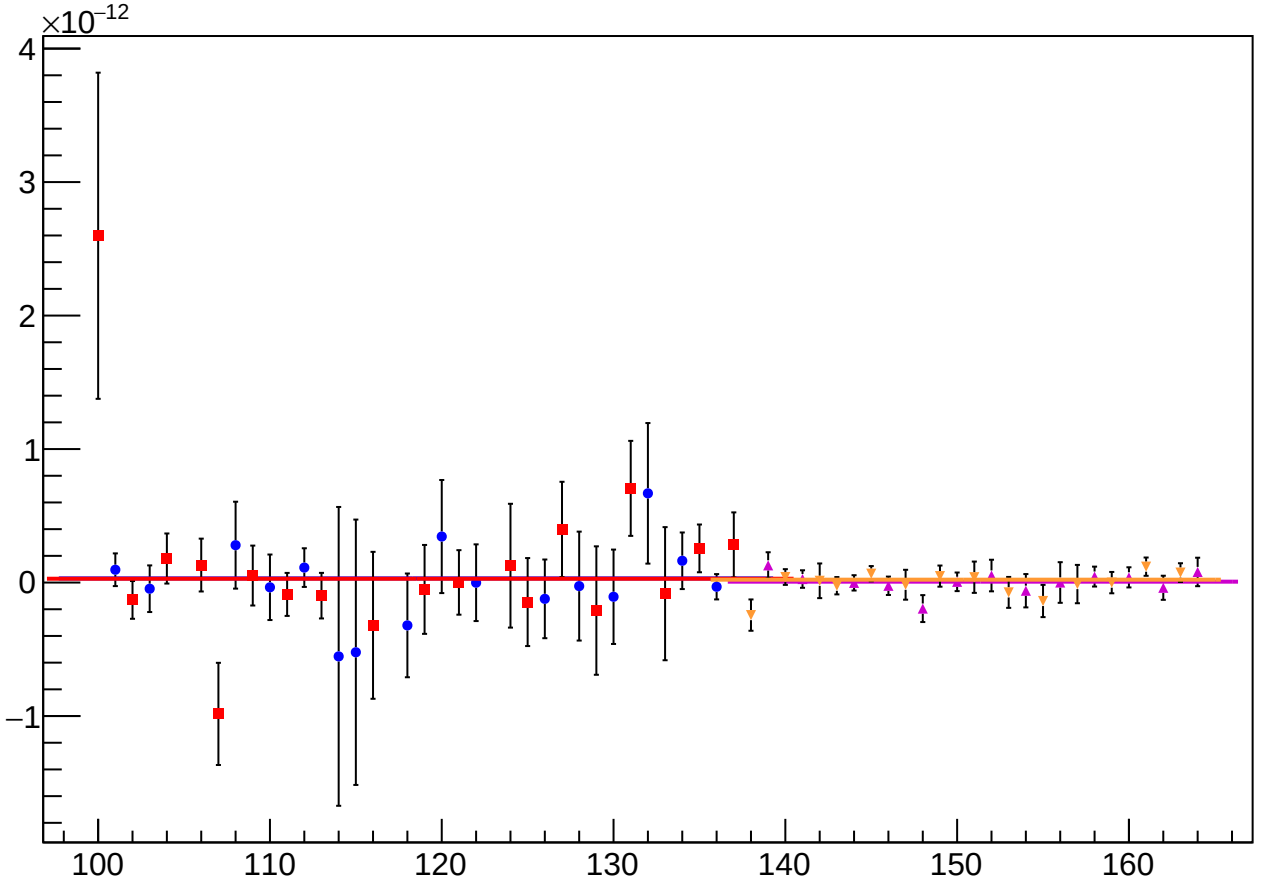
Left In: 2119.731+/-0.459 χ^2/NDF:410225.8/12

+ sign 2233.375+/-0.378 χ^2/NDF: 1642947.1/29

All: 2217.924+/-0.265 χ^2/NDF: 3196071.9/61

- 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:11.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

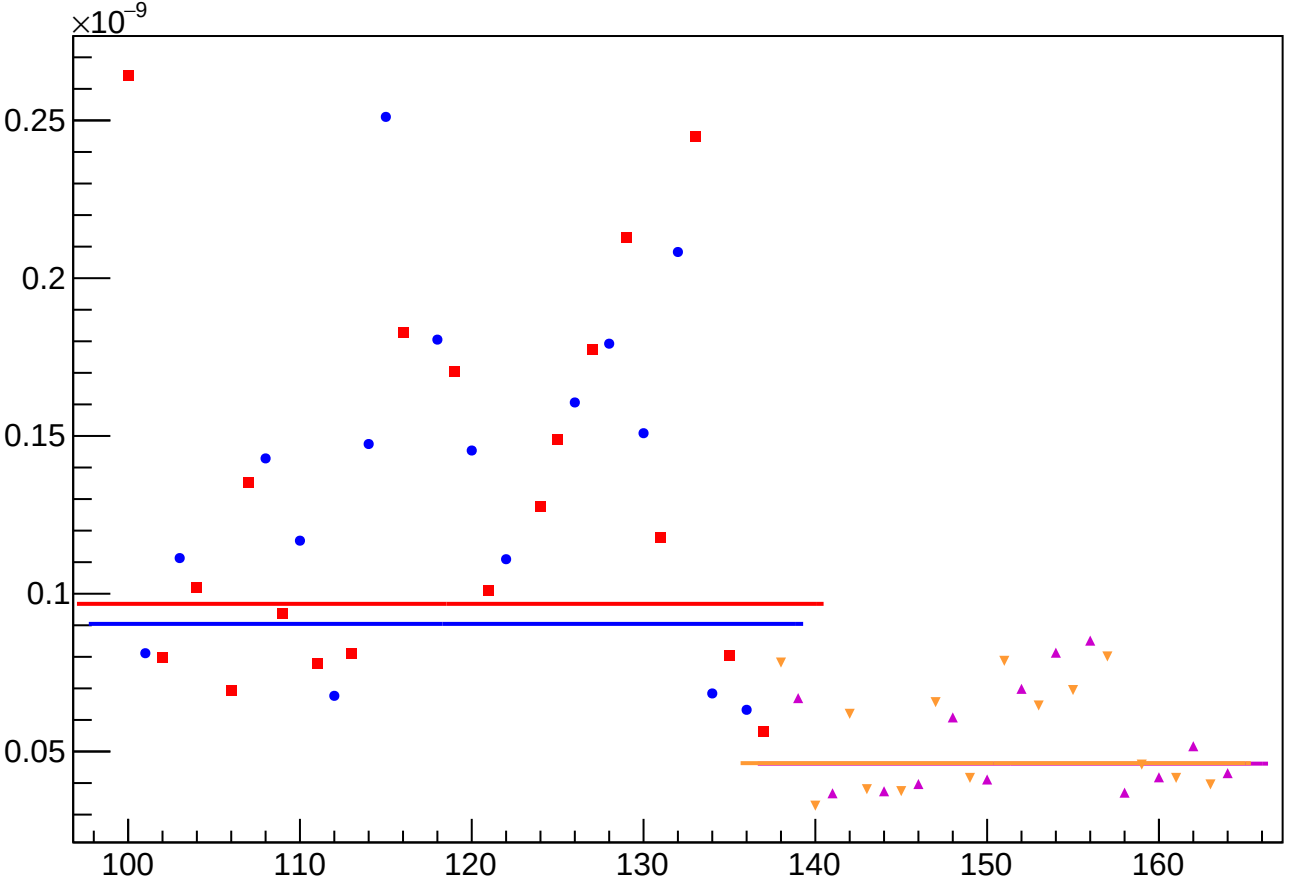
Left In: 0.000+/-0.000 χ^2/NDF:7.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/29

All: 0.000+/-0.000 χ^2/NDF: 48.9/61

- sign 0.000+/-0.000 χ^2/NDF: 30.8/31

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:843418.7/13

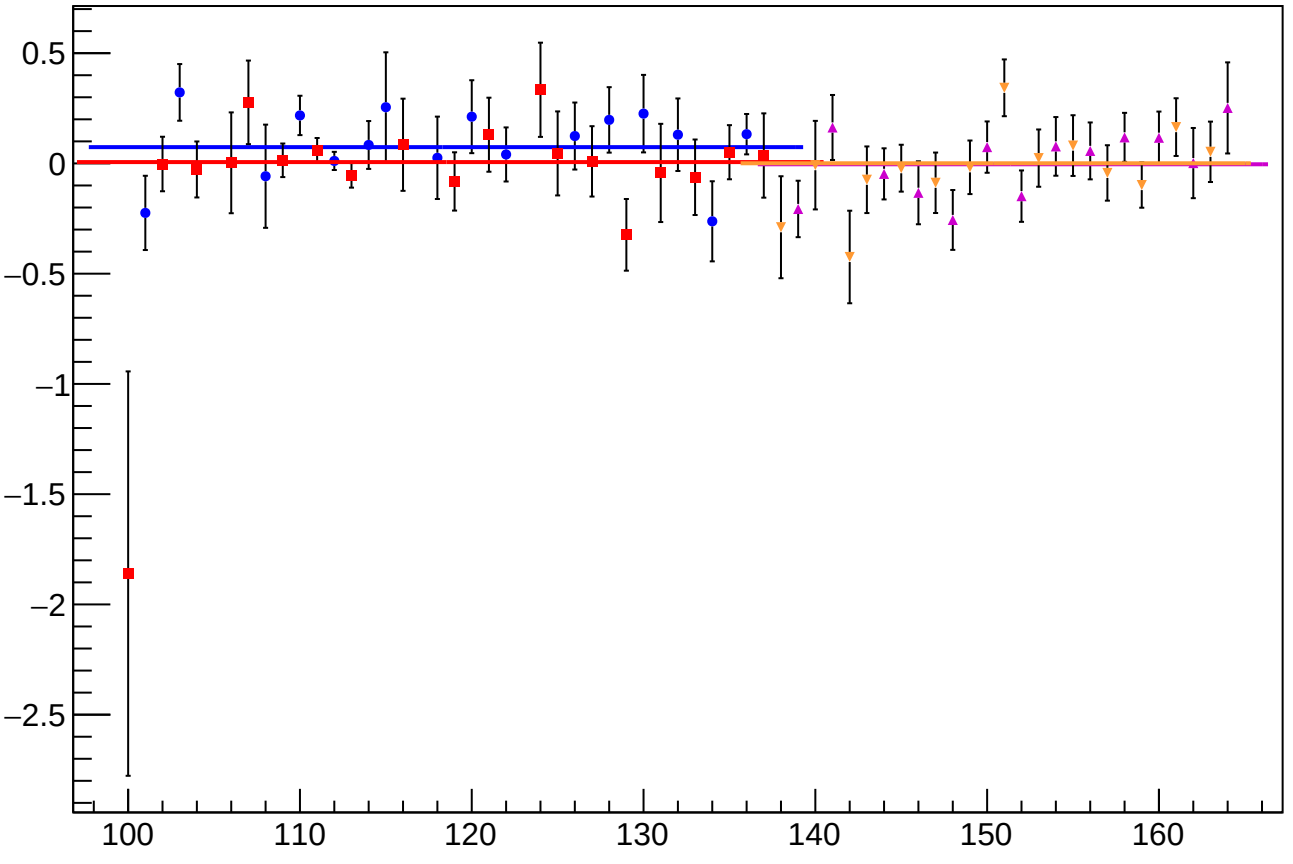
Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:663572.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 2967499.9/29

All: 0.000+/-0.000 χ^2/NDF: 5886324.5/61

- sign 0.000+/-0.000 χ^2/NDF: 2918273.3/31



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

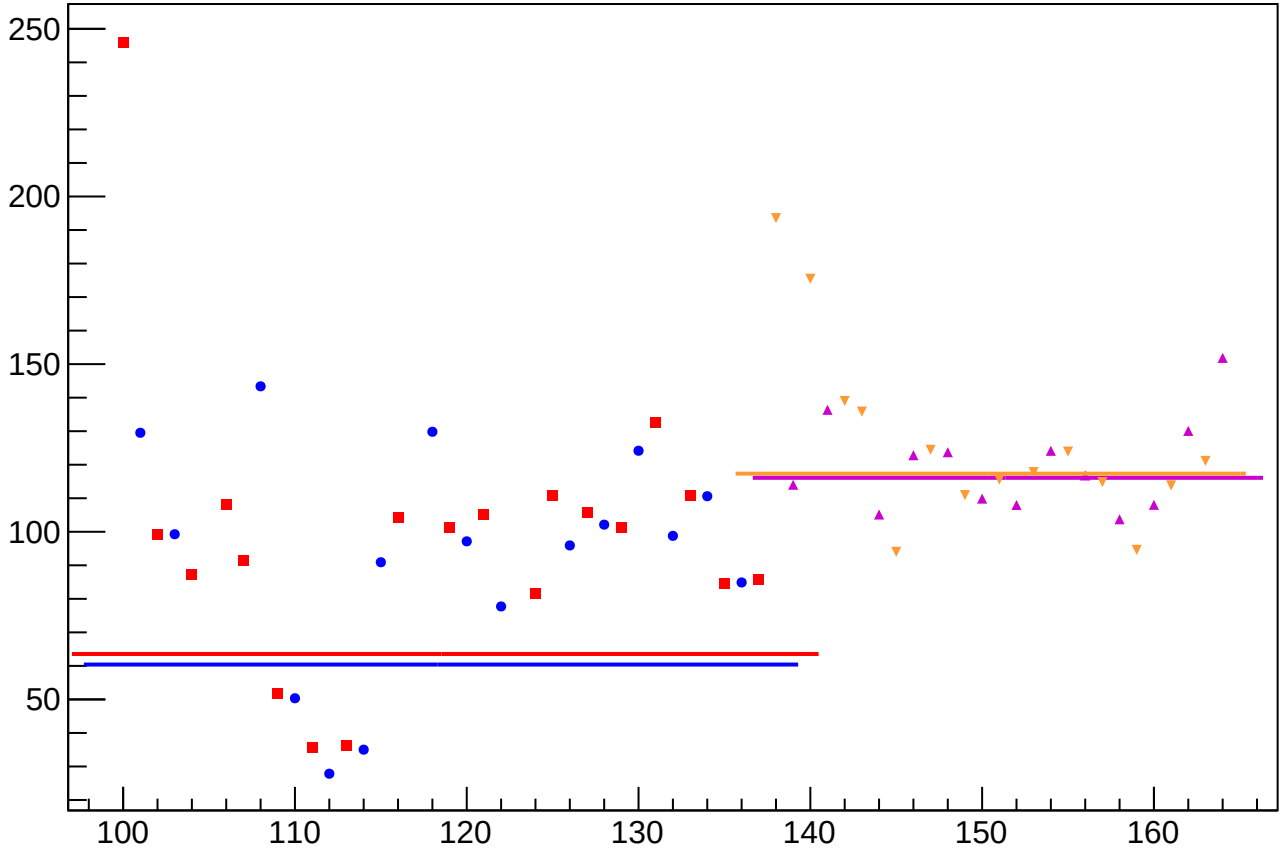
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.025+/-0.015 χ^2/NDF: 71.4/61

- 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: 117.343+/-0.026 χ^2/NDF:649904.3/13

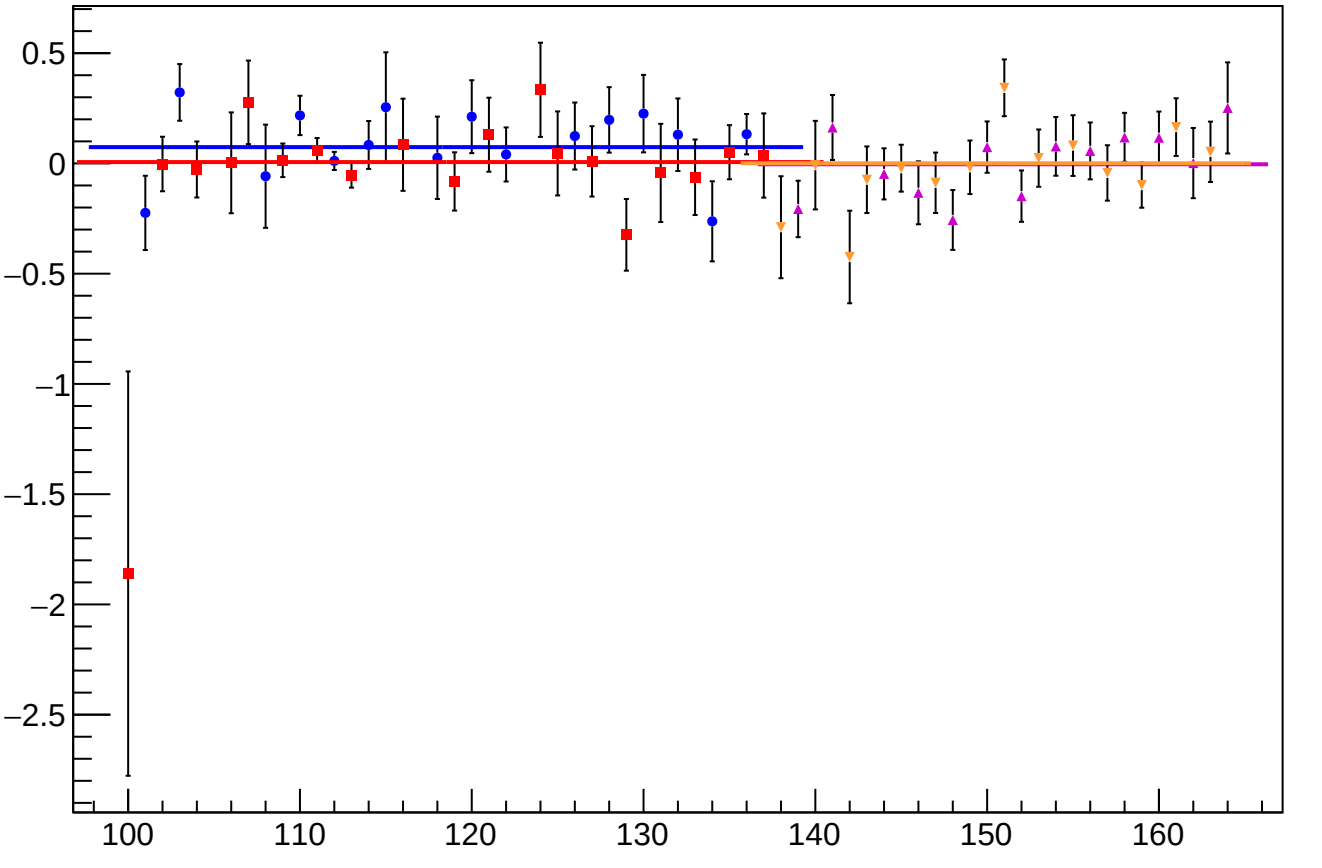
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

\+ sign 80.739+/-0.015 χ^2/NDF: 7362360.8/29

All: 81.469+/-0.011 χ^2/NDF: 12941622.6/61

\- 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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

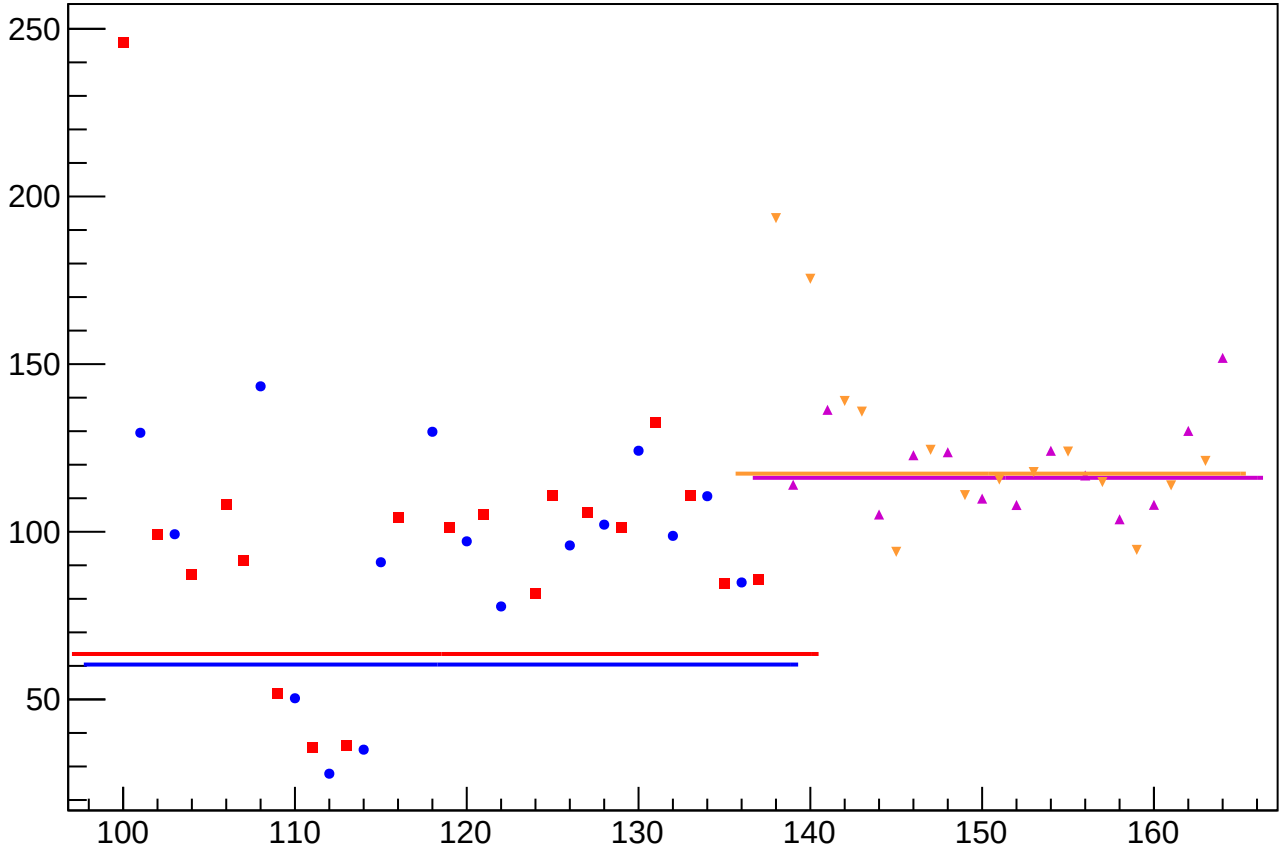
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.025+/-0.015 χ^2/NDF: 71.4/61

- 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: 117.343+/-0.026 χ^2/NDF:649904.3/13

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

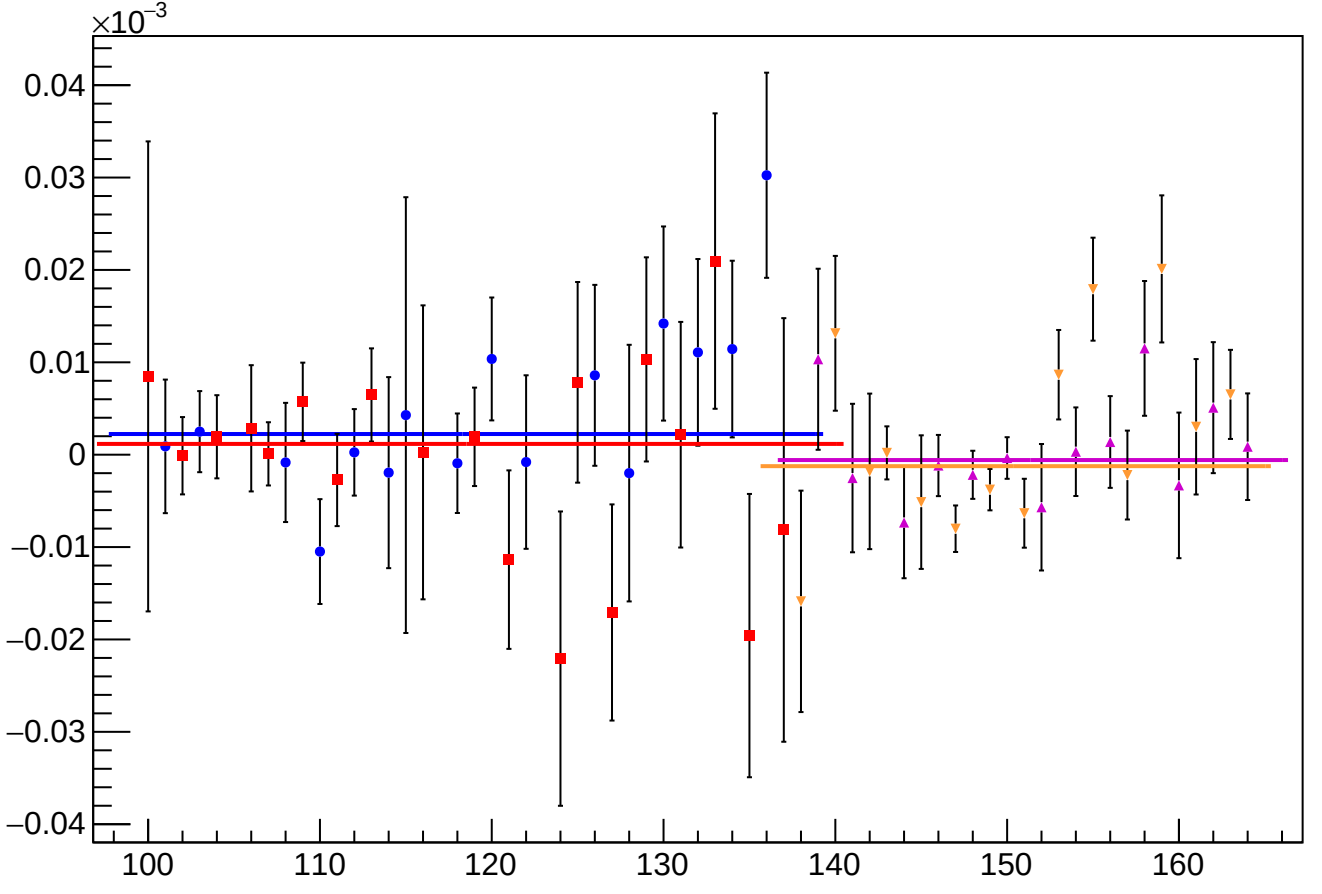
Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

\+ sign 80.739+/-0.015 χ^2/NDF: 7362360.8/29

All: 81.469+/-0.011 χ^2/NDF: 12941622.6/61

\- 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:41.5/13

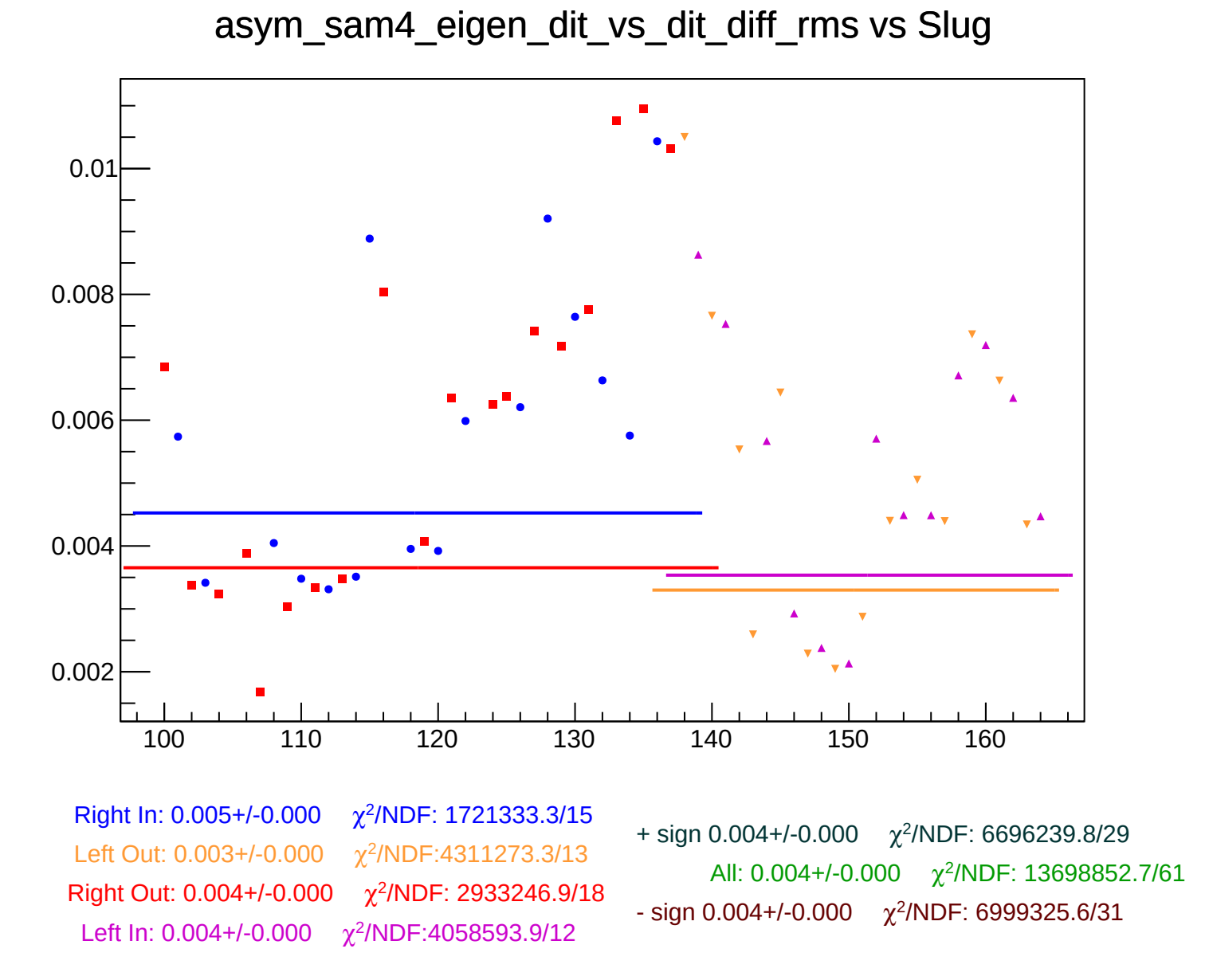
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

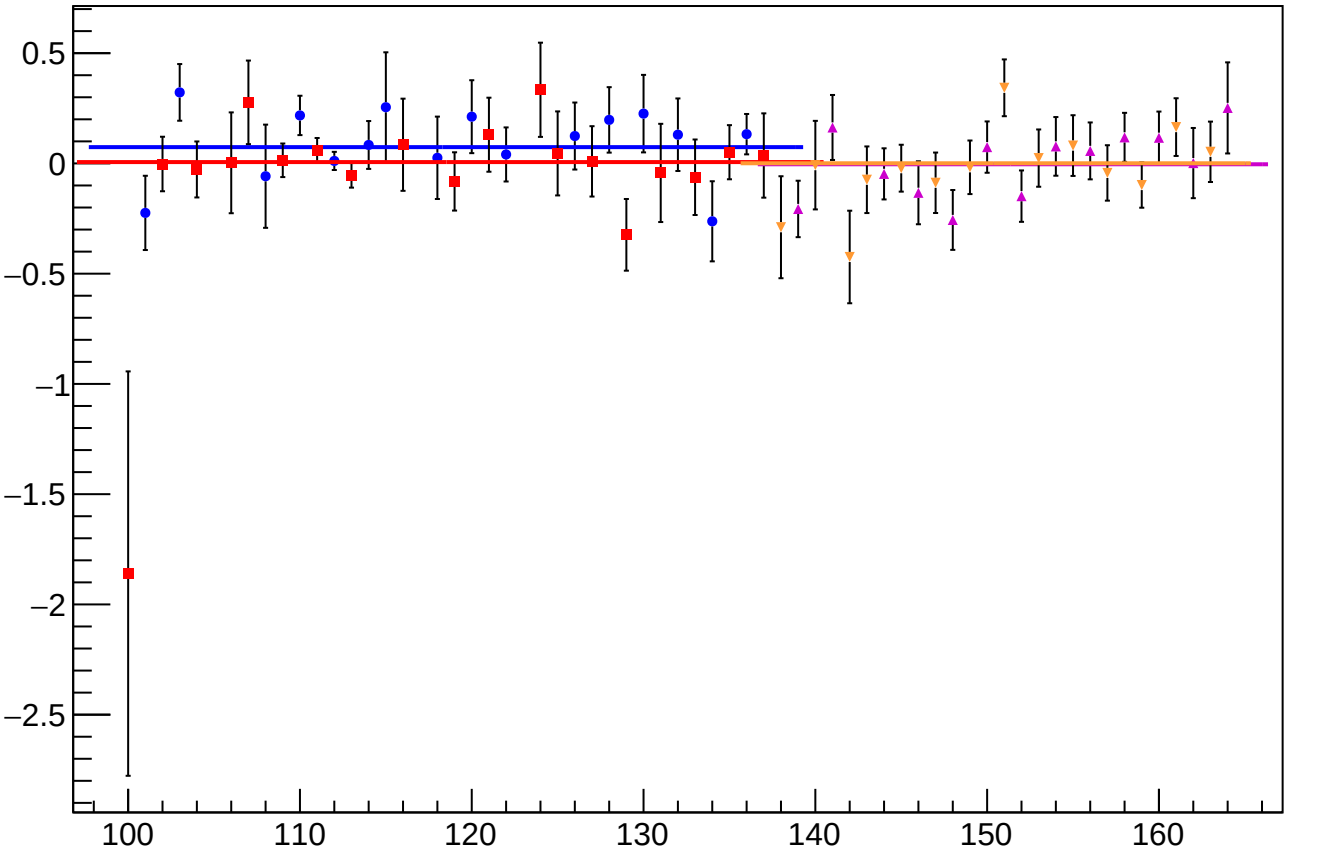
Left In: -0.000+/-0.000 χ^2/NDF:7.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/29

All: -0.000+/-0.000 χ^2/NDF: 83.9/61

- sign 0.000+/-0.000 χ^2/NDF: 22.2/31


asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:4311273.3/13
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.004+/-0.000 χ²/NDF:4058593.9/12
+ sign 0.004+/-0.000 χ²/NDF: 6696239.8/29
All: 0.004+/-0.000 χ²/NDF: 13698852.7/61
- sign 0.004+/-0.000 χ²/NDF: 6999325.6/31



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

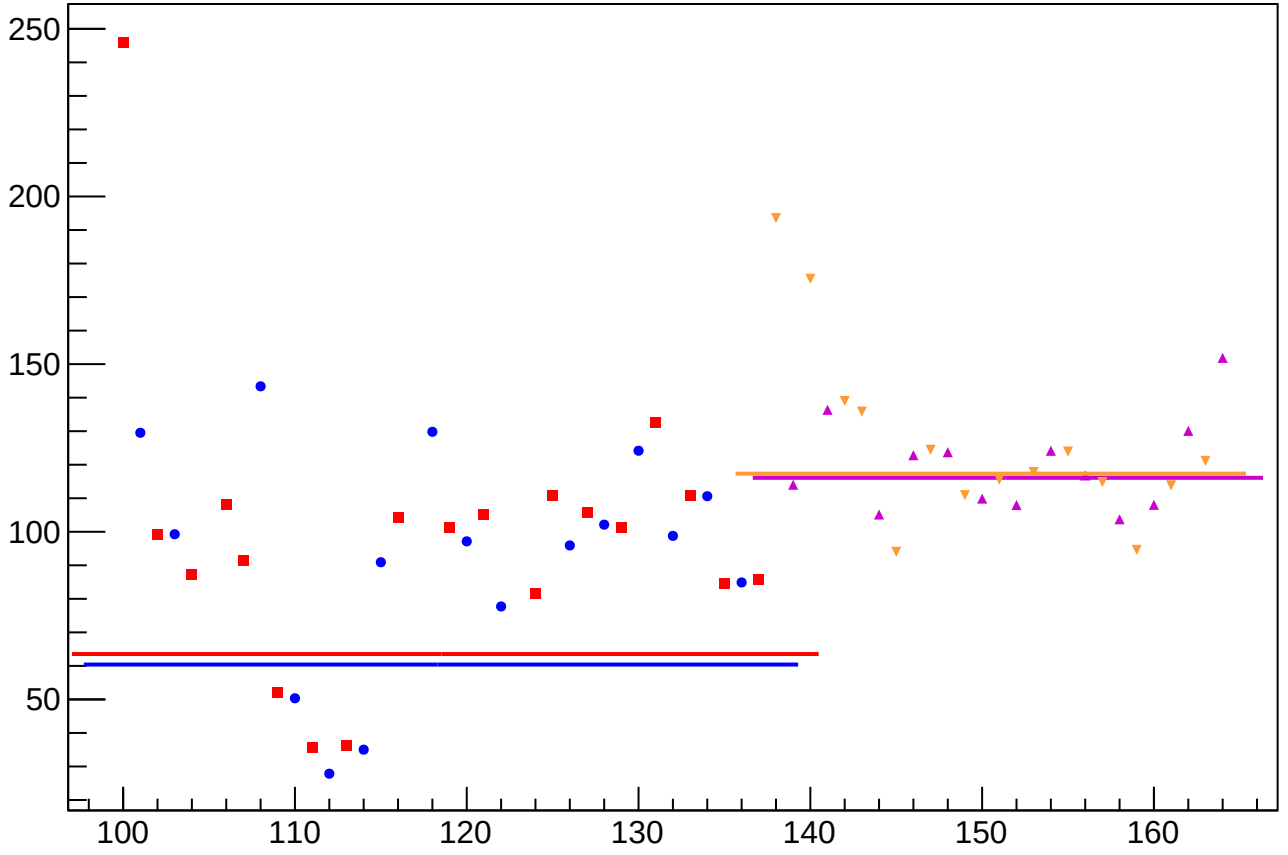
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.025+/-0.015 χ^2/NDF: 71.4/61

- 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: 117.344+/-0.026 χ^2/NDF:649873.8/13

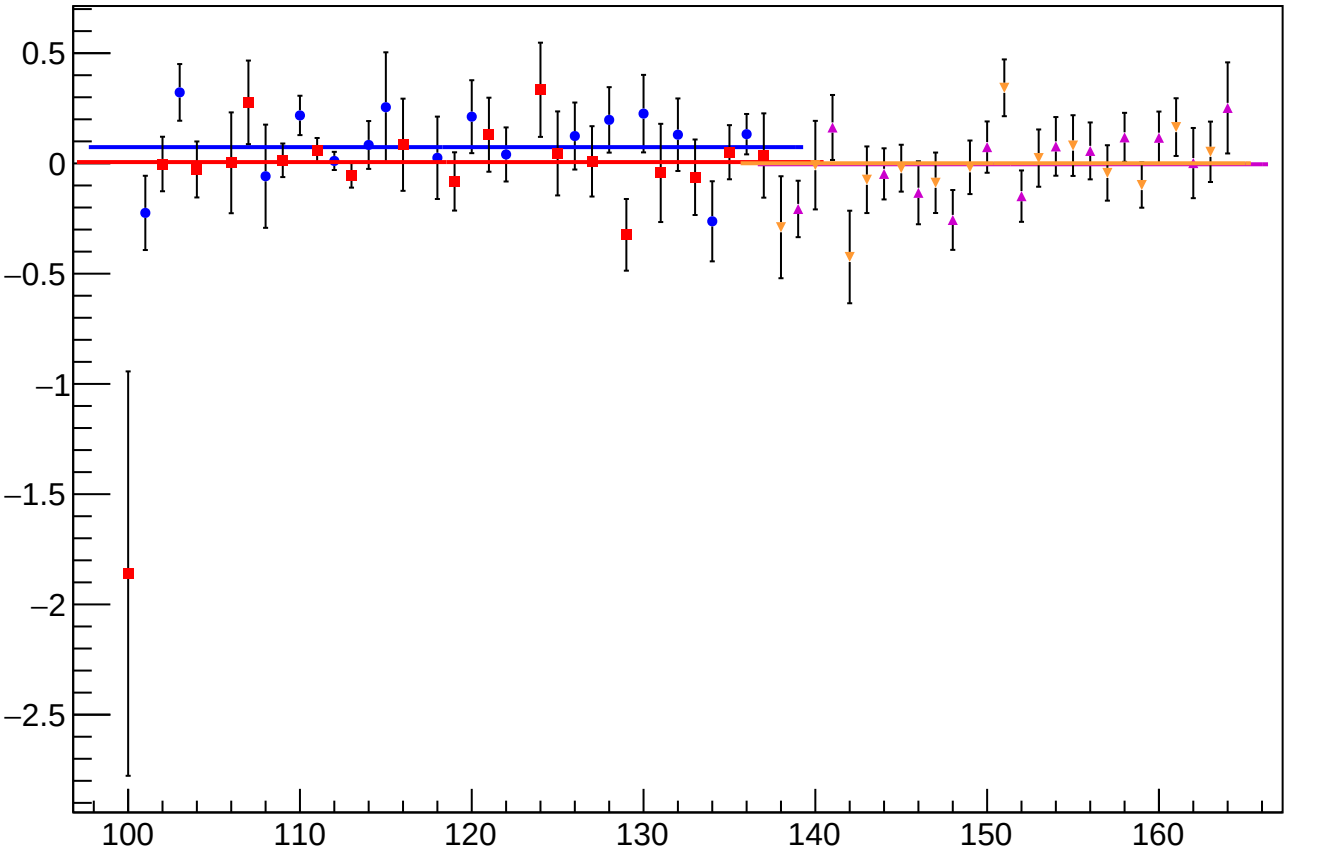
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

\+ sign 80.737+/-0.015 χ^2/NDF: 7362975.6/29

All: 81.468+/-0.011 χ^2/NDF: 12942826.8/61

\- 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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

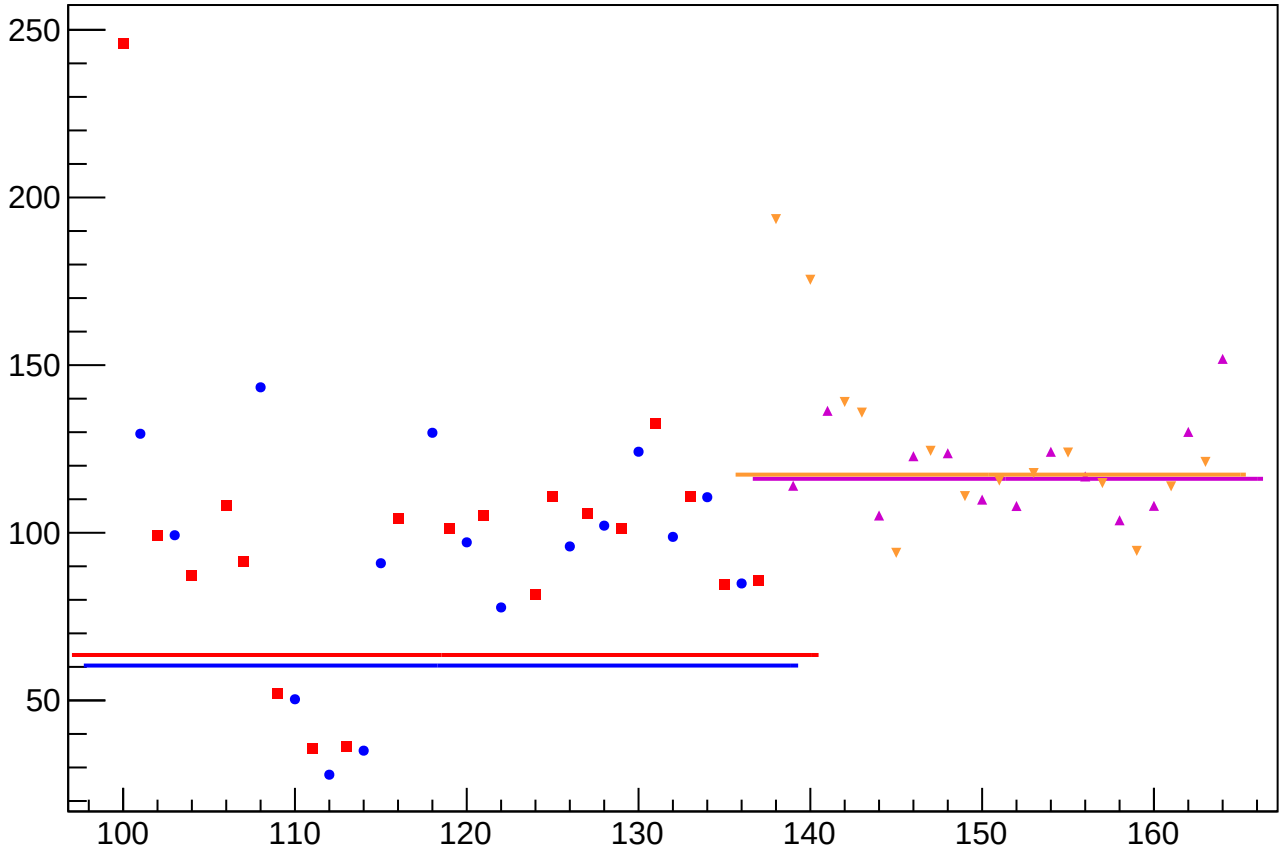
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.025+/-0.015 χ^2/NDF: 71.4/61

- sign 0.003+/-0.022 χ^2/NDF: 31.0/31

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

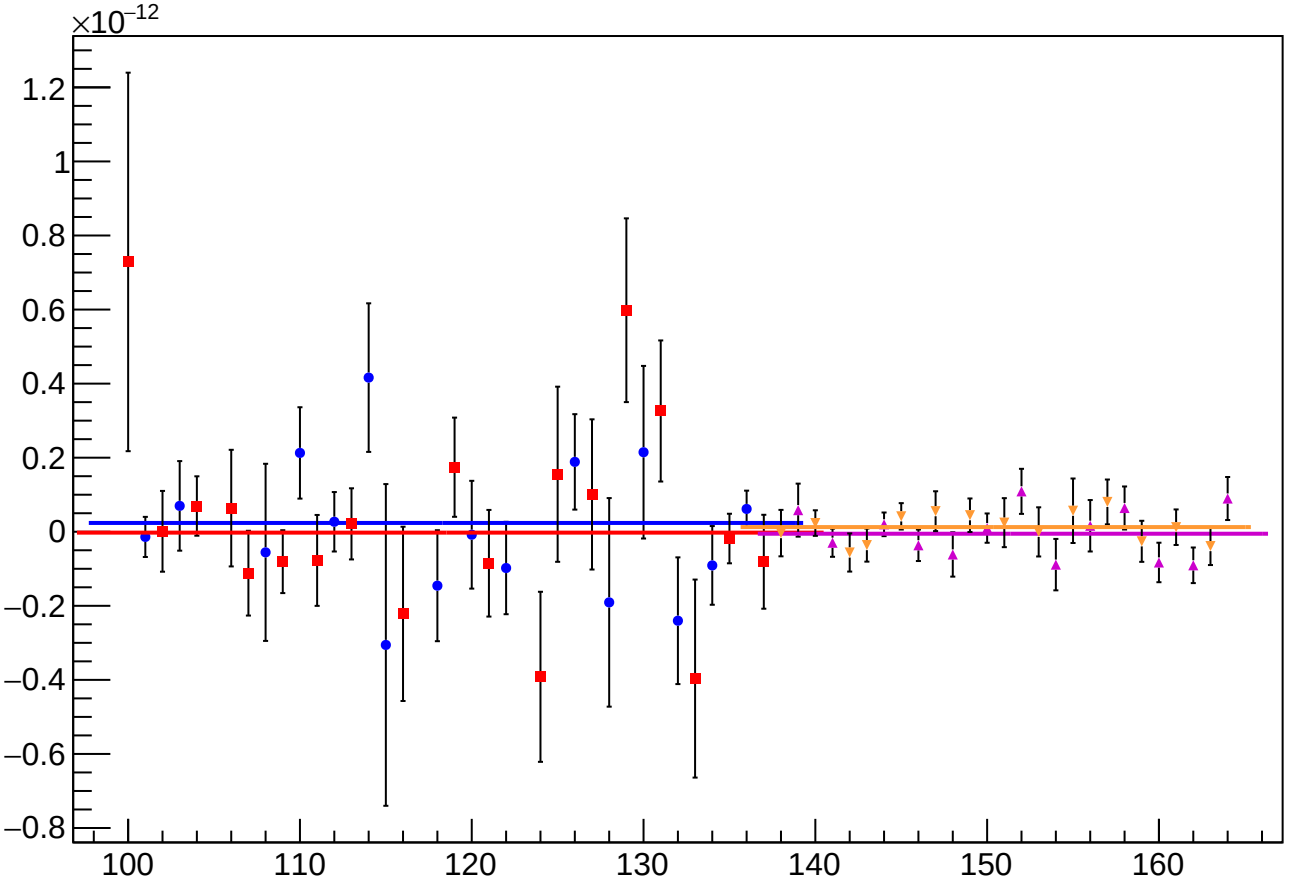
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

\+ sign 80.737+/-0.015 χ^2/NDF: 7362975.6/29

All: 81.468+/-0.011 χ^2/NDF: 12942826.8/61

\- sign 82.191+/-0.015 χ^2/NDF: 5575320.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/13

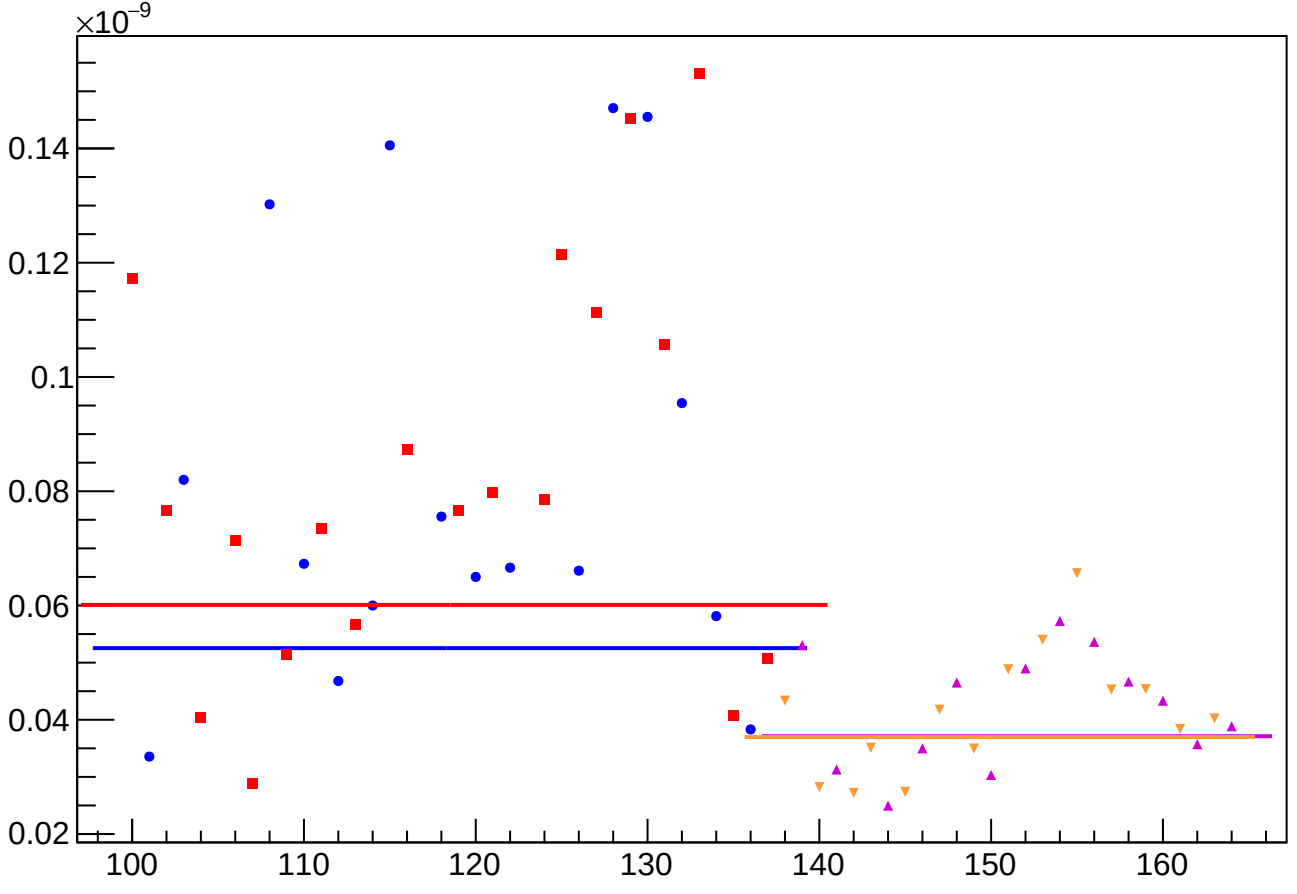
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/29

All: 0.000+/-0.000 χ^2/NDF: 67.3/61

- 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:894878.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

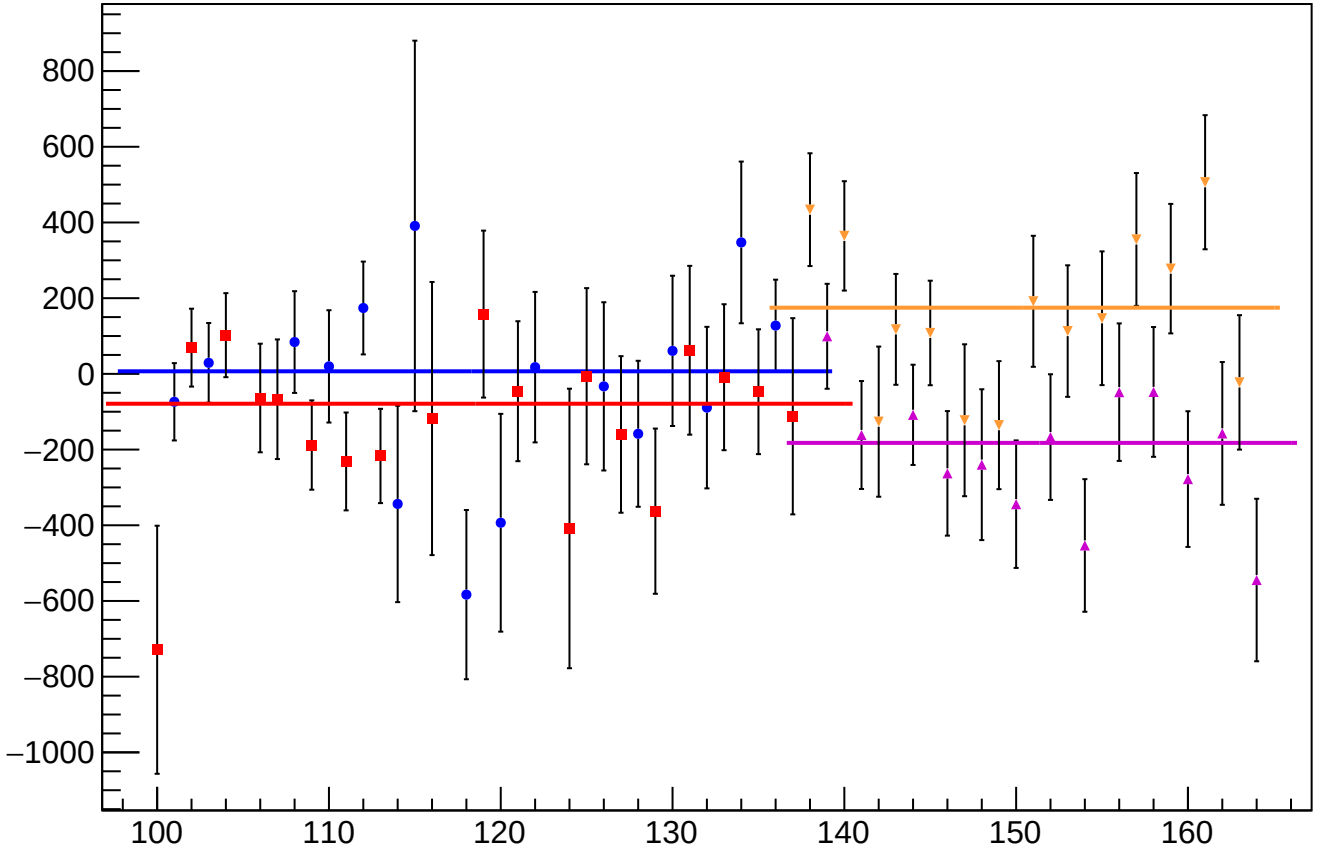
Left In: 0.000+/-0.000 χ^2/NDF:992135.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3104187.7/29

All: 0.000+/-0.000 χ^2/NDF: 6680602.5/61

- 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: 174.859+/-44.456 χ^2/NDF:19.3/13

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

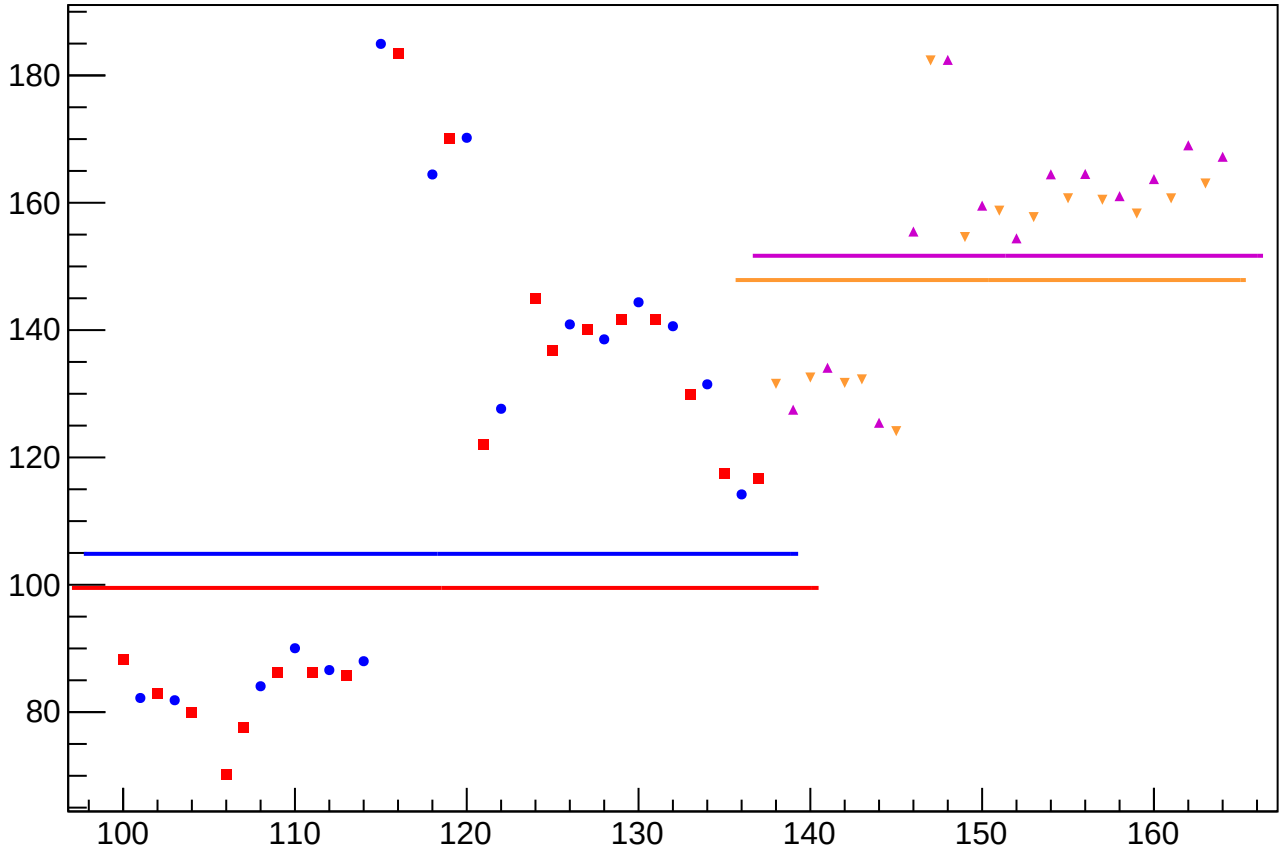
Left In: -182.327+/-46.137 χ^2/NDF:12.4/12

+ sign 82.723+/-29.879 χ^2/NDF: 45.9/29

All: -20.954+/-20.916 χ^2/NDF: 101.6/61

- 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: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

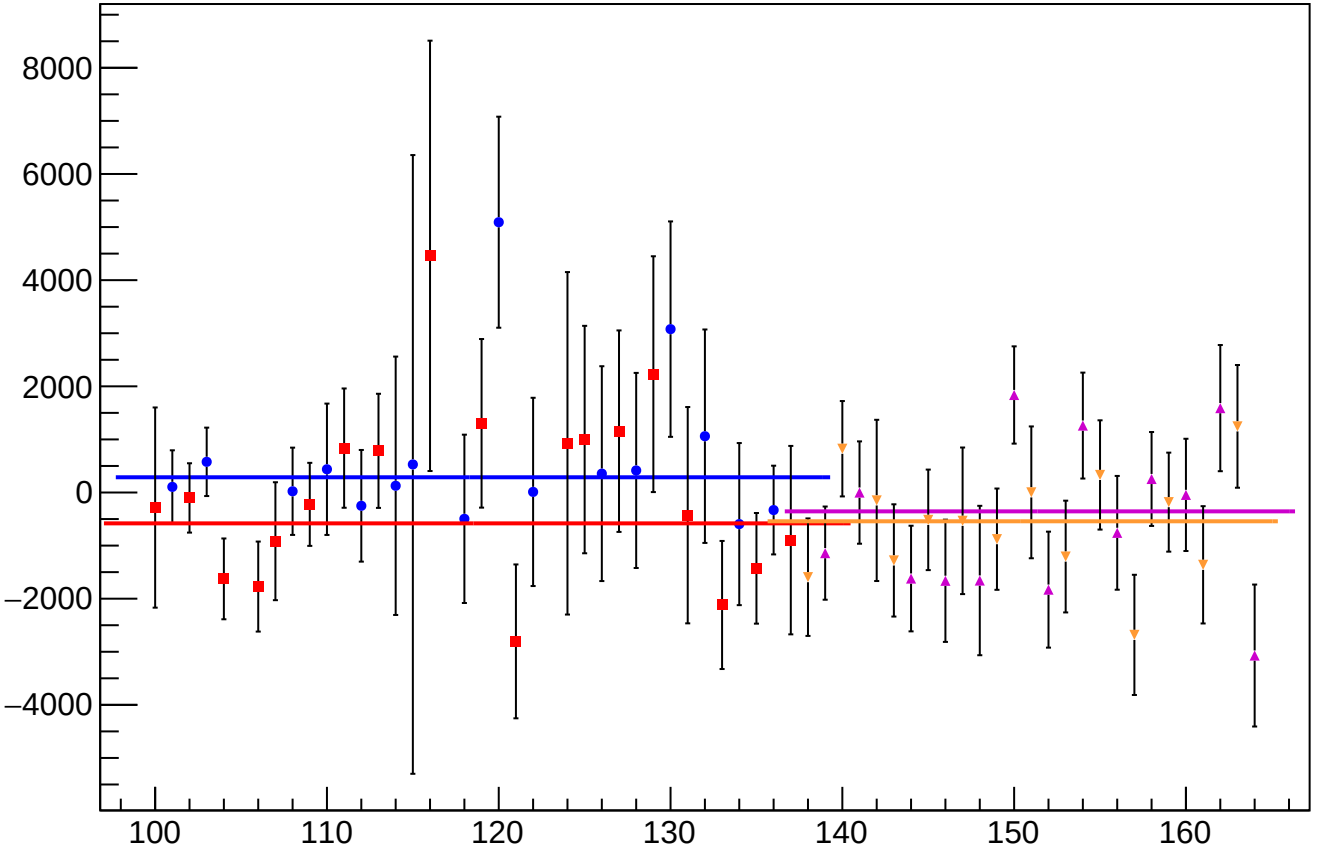
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 124.285+/-0.021 χ^2/NDF: 2228724.9/29

All: 122.370+/-0.015 χ^2/NDF: 5096882.5/61

- 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: -542.115+/-287.282 χ^2/NDF:11.9/13

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

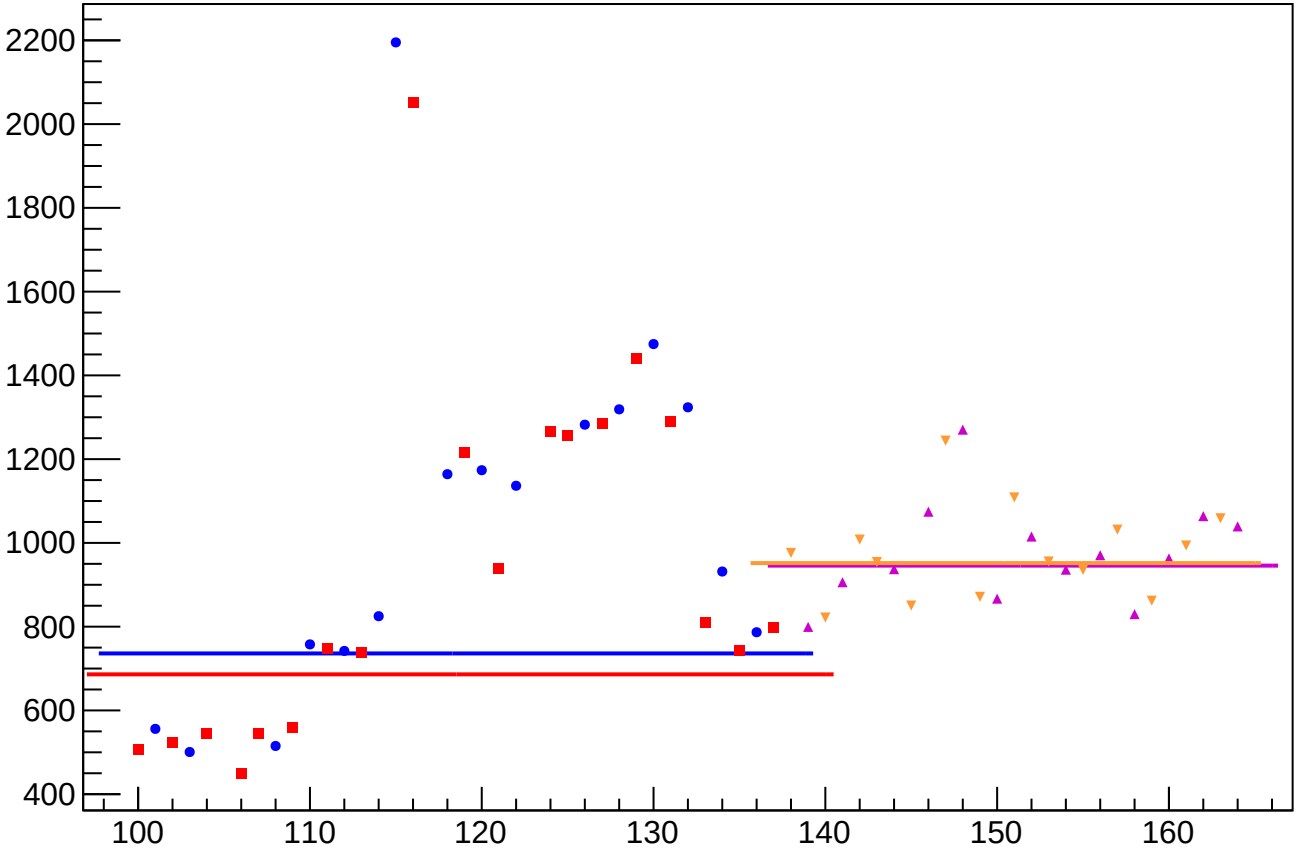
Left In: -355.164+/-288.801 χ^2/NDF:22.4/12

+ sign -136.437+/-205.293 χ^2/NDF: 25.6/29

All: -313.031+/-142.195 χ^2/NDF: 68.5/61

- 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: 951.840+/-0.203 χ^2/NDF:253446.3/13

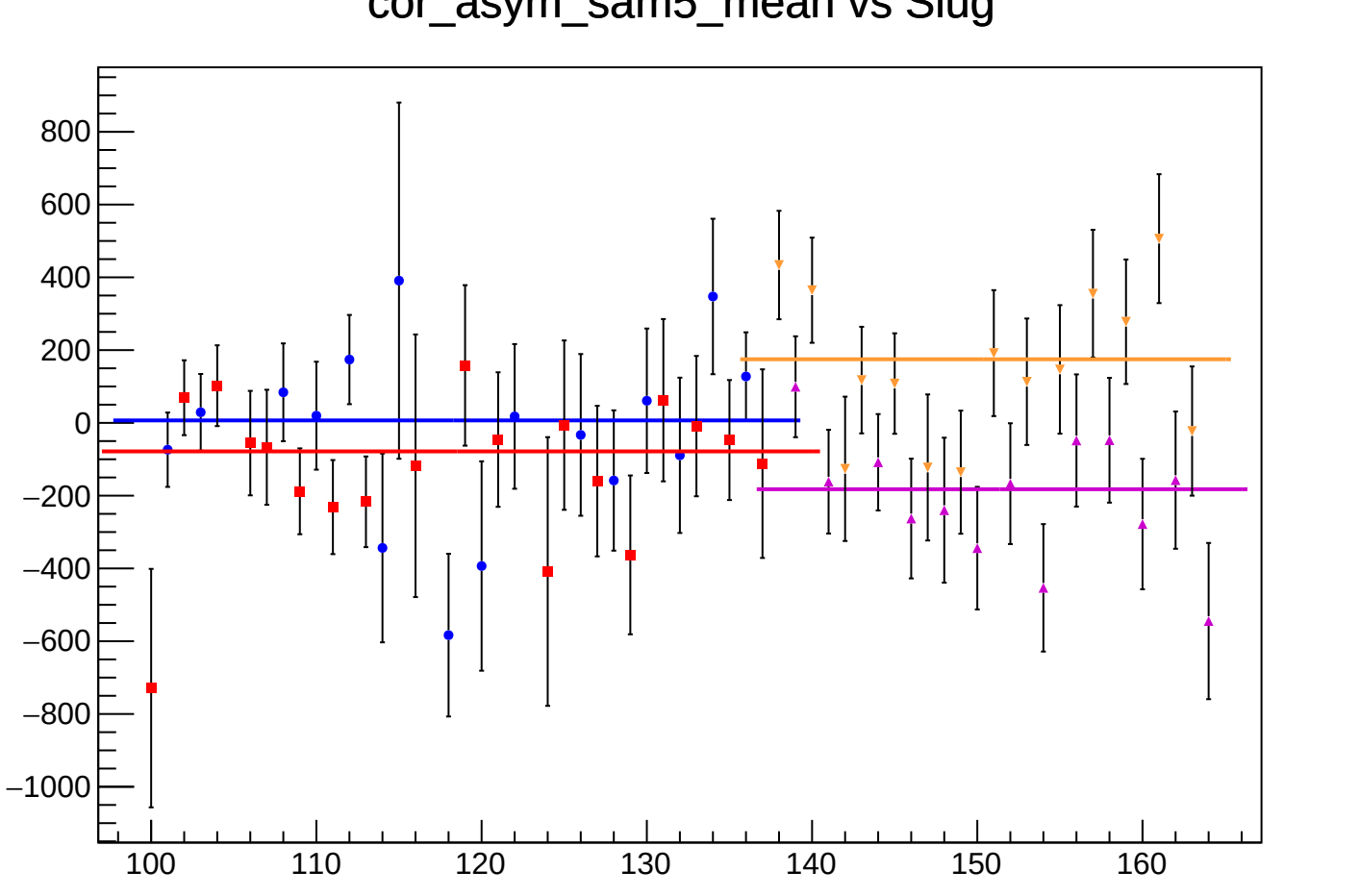
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 945.750+/-0.204 χ^2/NDF:279113.3/12

+ sign 846.262+/-0.145 χ^2/NDF: 2649955.2/29

All: 825.886+/-0.101 χ^2/NDF: 5649374.4/61

- sign 807.095+/-0.139 χ^2/NDF: 2961547.8/31



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

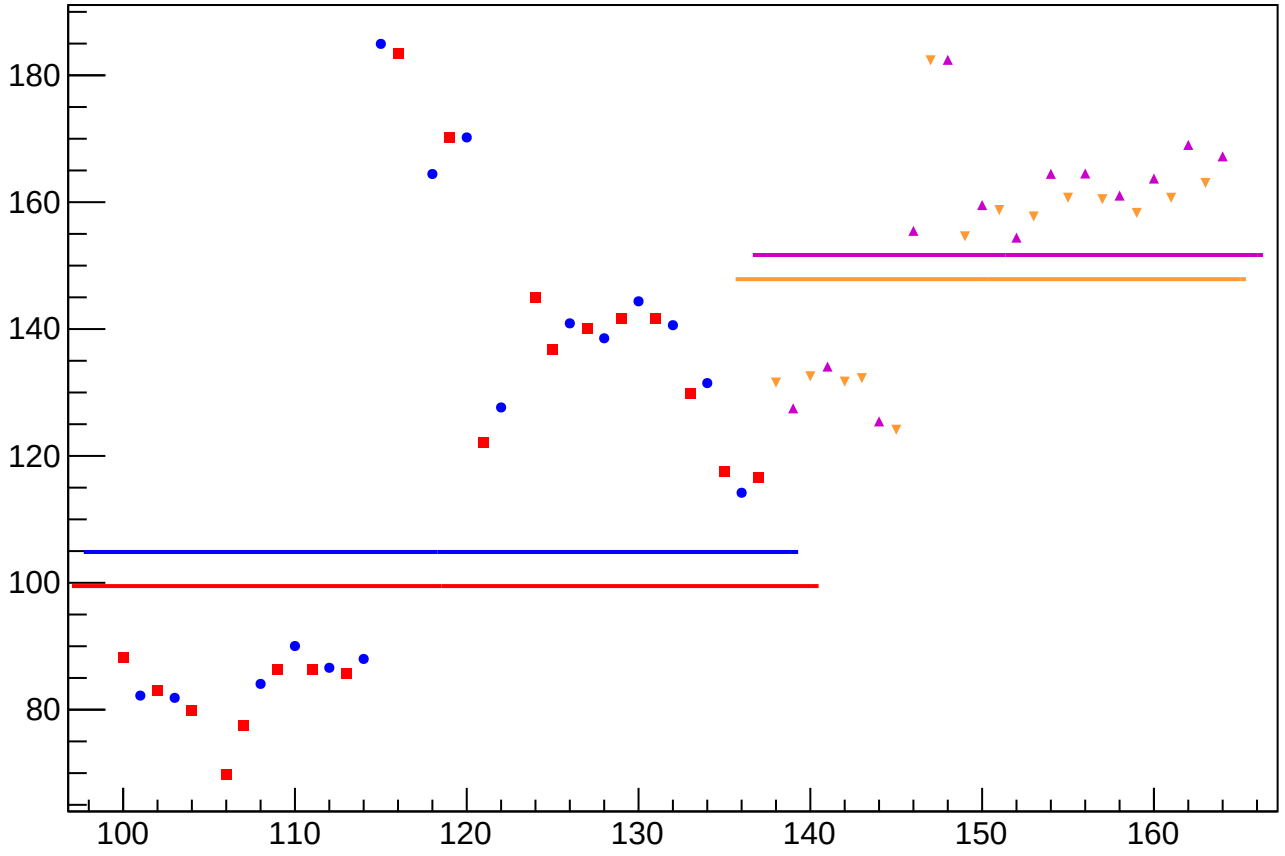
Left In: -182.329+/-46.137 χ^2/NDF:12.4/12

+ sign 82.715+/-29.879 χ^2/NDF: 45.9/29

All: -20.793+/-20.916 χ^2/NDF: 101.6/61

- 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: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

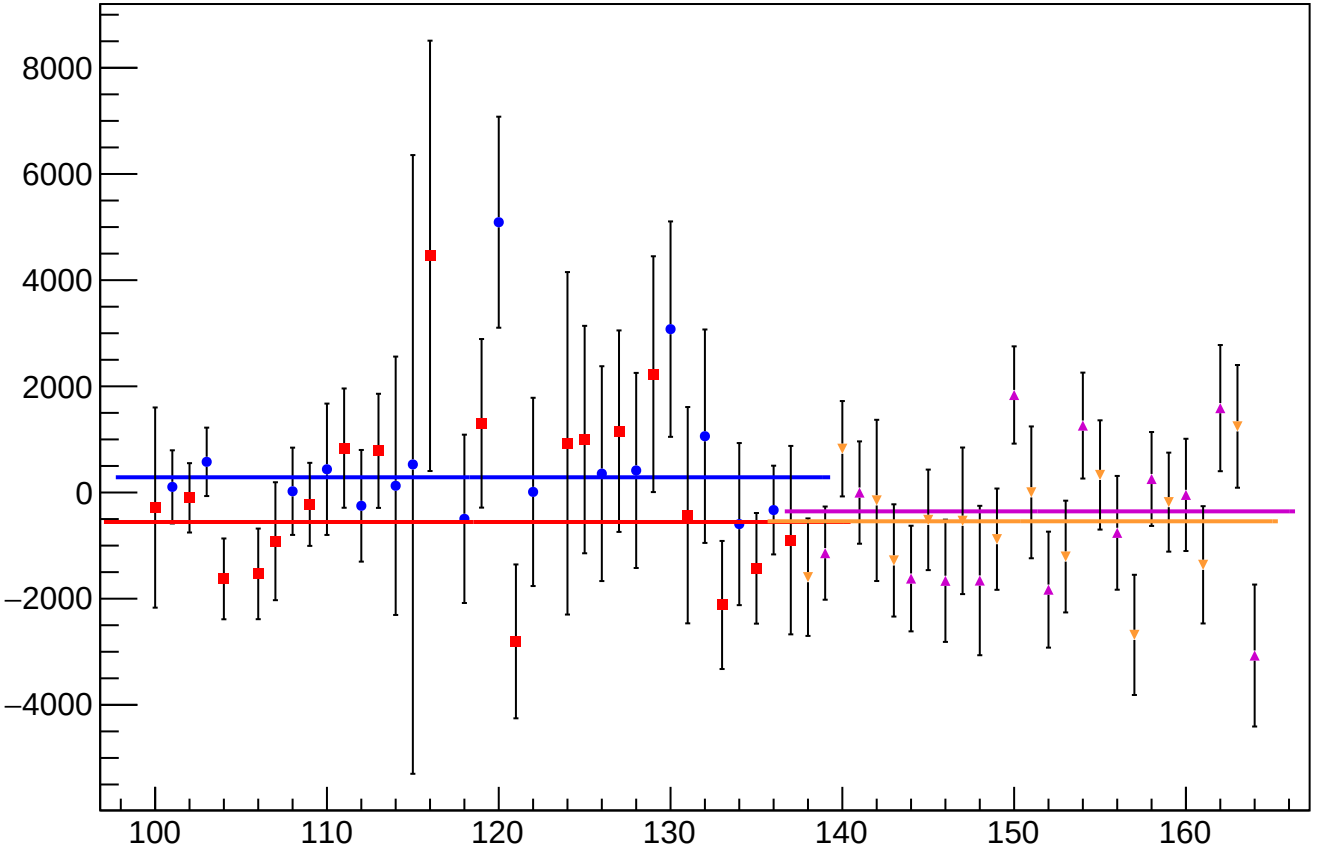
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 124.285+/-0.021 χ^2/NDF: 2228723.3/29

All: 122.364+/-0.015 χ^2/NDF: 5100485.7/61

- 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: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

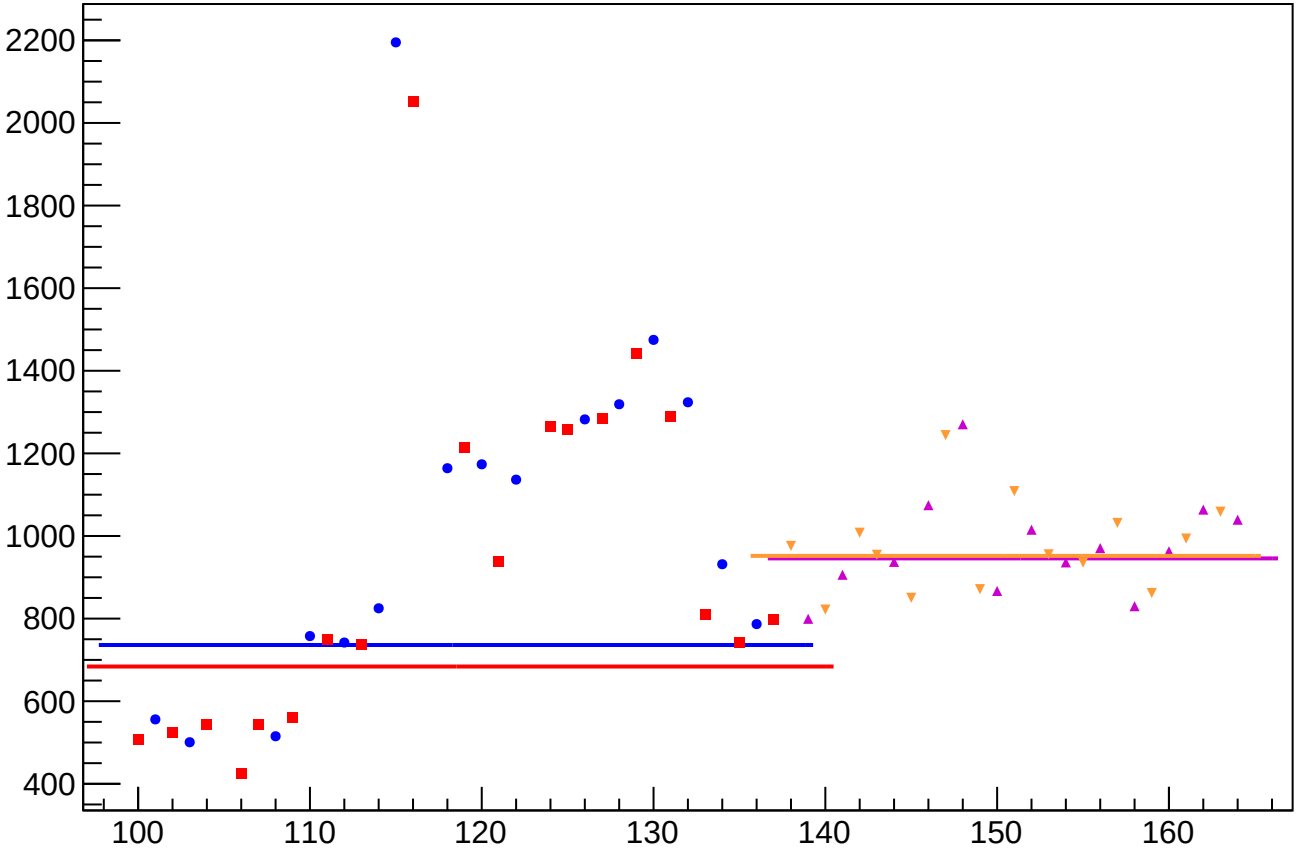
Left In: -355.163+/-288.801 χ^2/NDF:22.4/12

+ sign -136.434+/-205.293 χ^2/NDF: 25.6/29

All: -305.775+/-142.221 χ^2/NDF: 67.6/61

- 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: 951.840+/-0.203 χ^2/NDF:253446.0/13

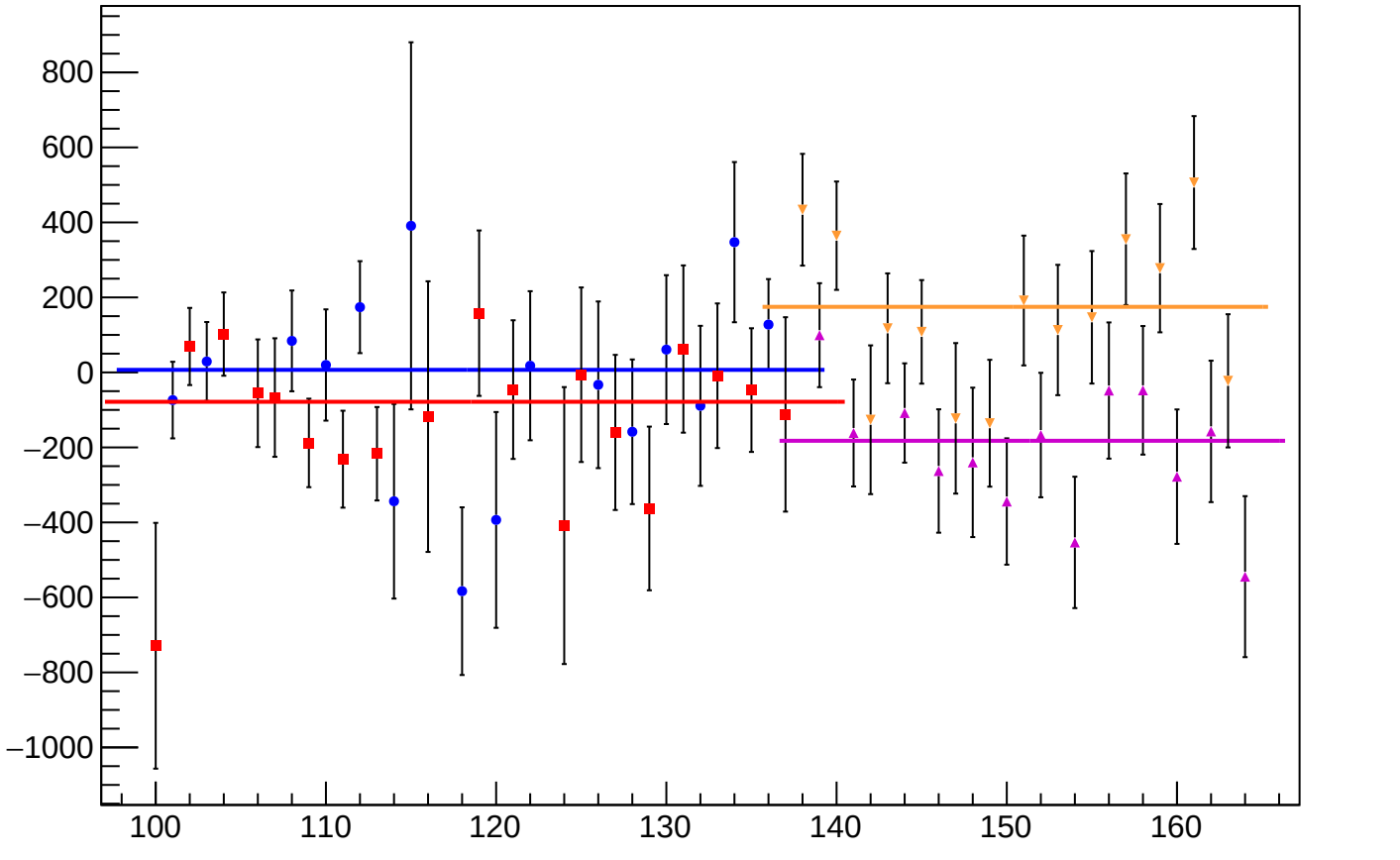
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

+ sign 846.262+/-0.145 χ^2/NDF: 2649961.8/29

All: 825.346+/-0.101 χ^2/NDF: 5696319.6/61

- sign 806.045+/-0.139 χ^2/NDF: 3006442.5/31



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

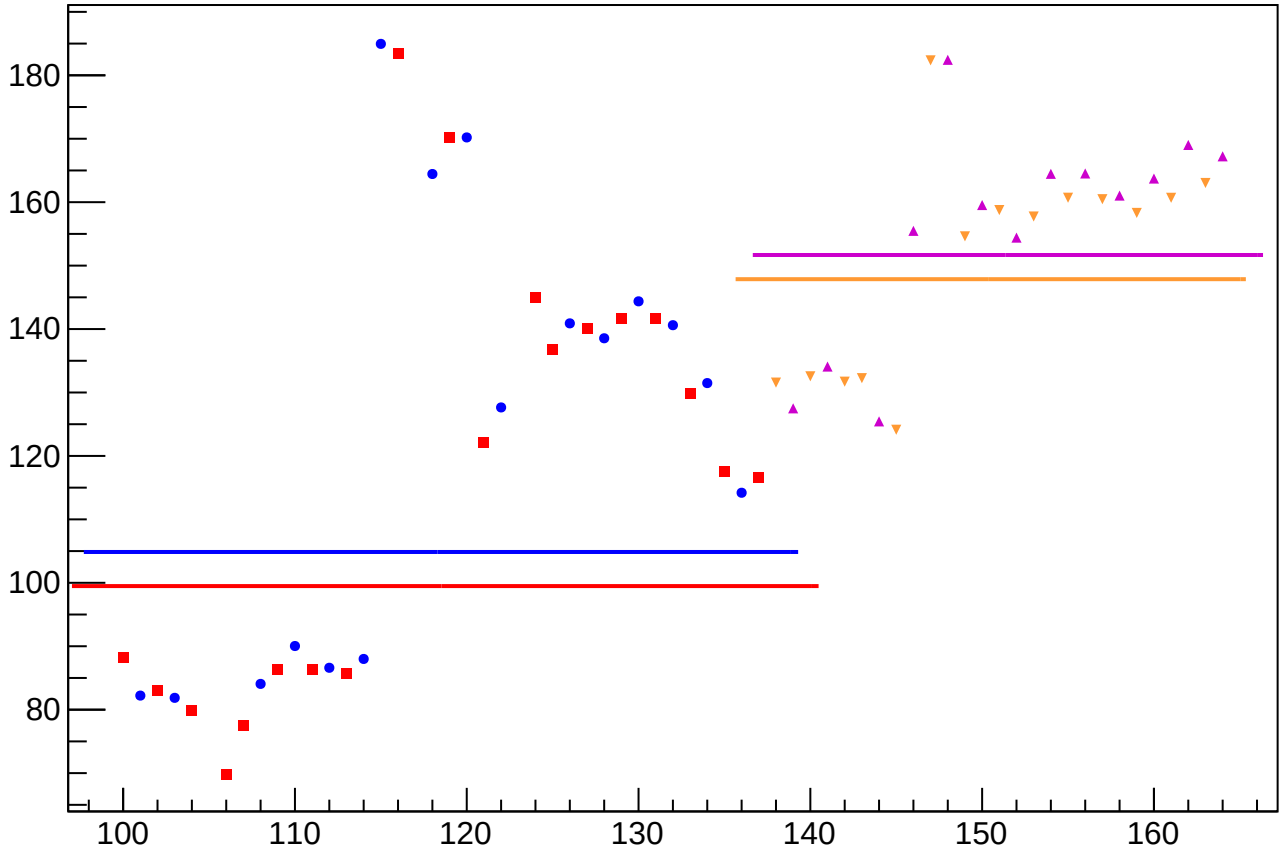
Left In: -182.329+/-46.137 χ^2/NDF:12.4/12

+ sign 82.715+/-29.879 χ^2/NDF: 45.9/29

All: -20.793+/-20.916 χ^2/NDF: 101.6/61

- 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: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

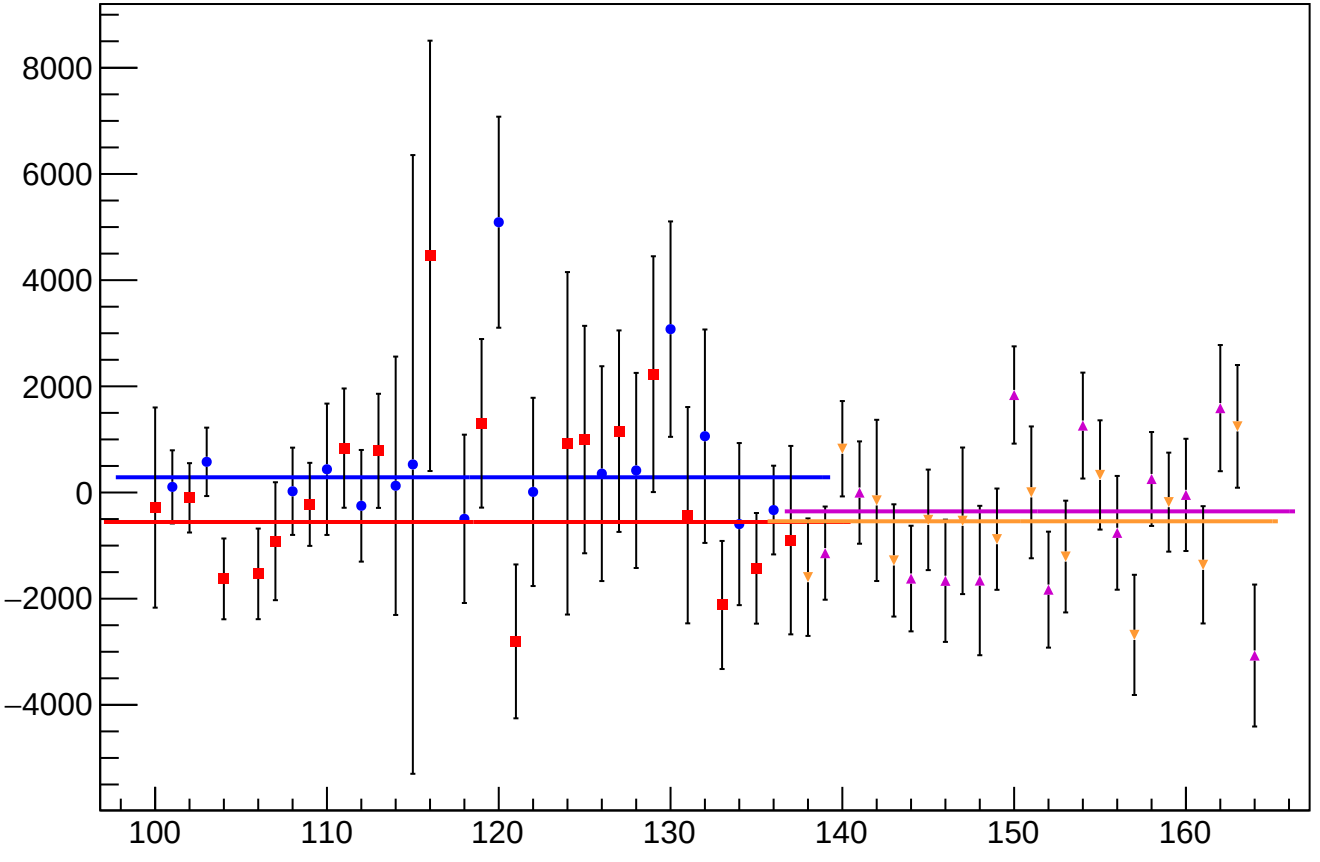
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 124.285+/-0.021 χ^2/NDF: 2228723.3/29

All: 122.364+/-0.015 χ^2/NDF: 5100485.7/61

- 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: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

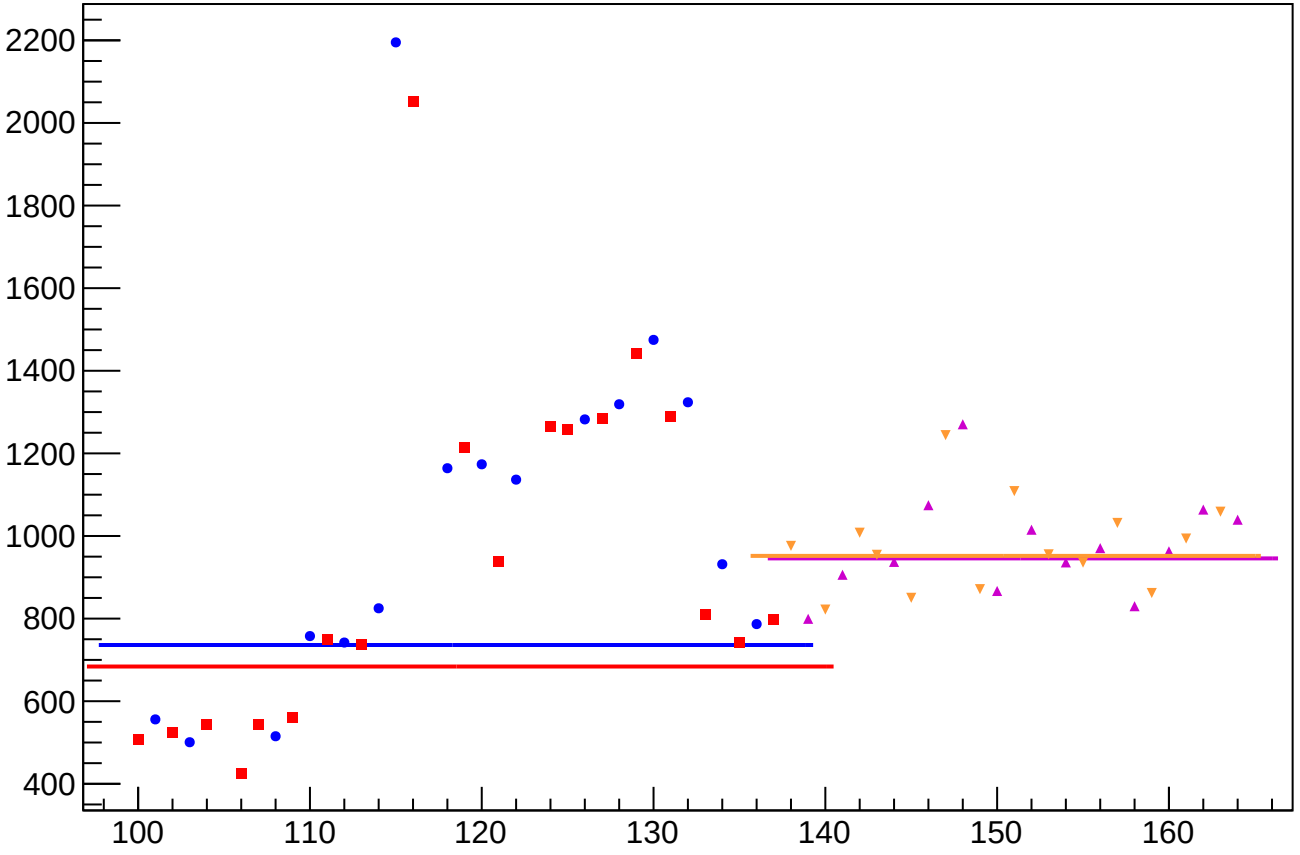
Left In: -355.163+/-288.801 χ^2/NDF:22.4/12

+ sign -136.434+/-205.293 χ^2/NDF: 25.6/29

All: -305.775+/-142.221 χ^2/NDF: 67.6/61

- 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: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

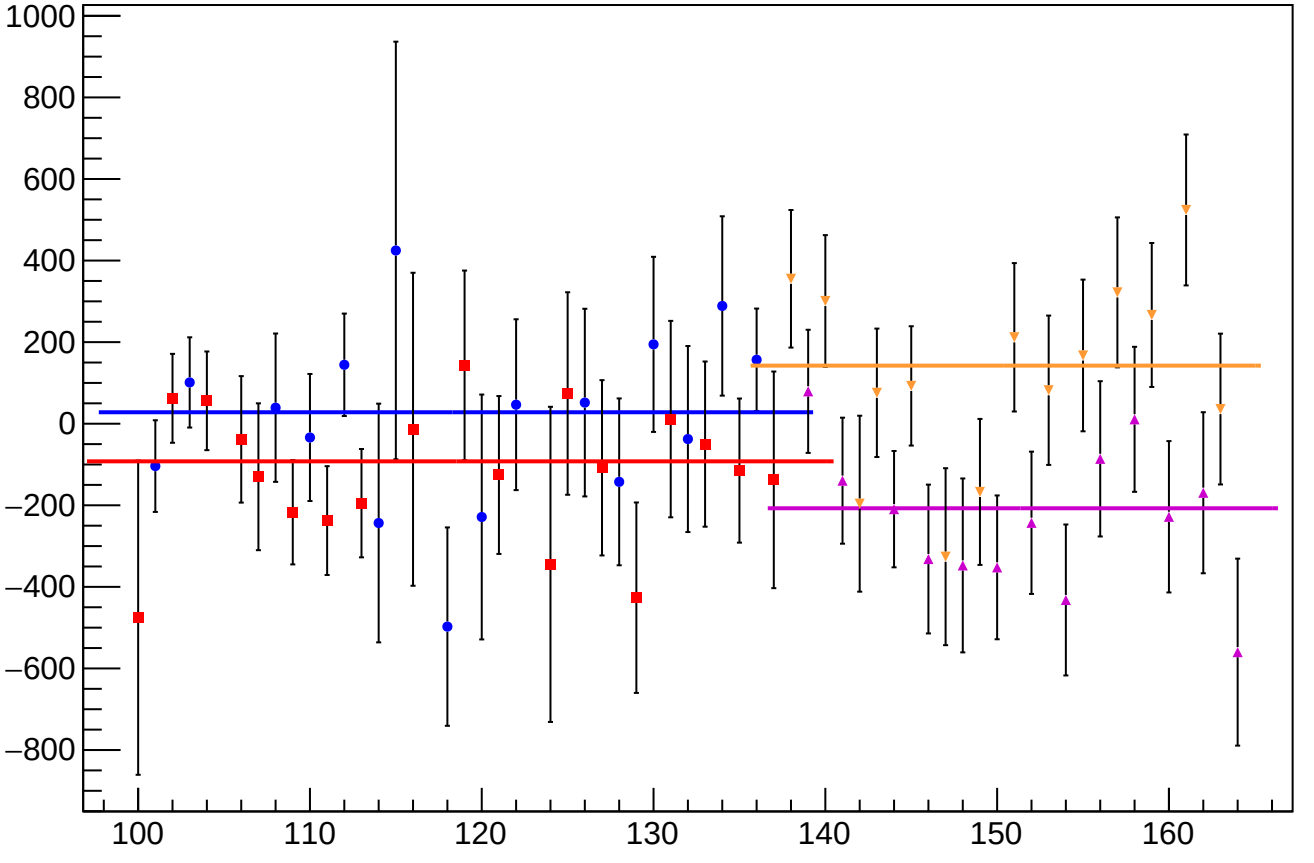
Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

+ sign 846.262+/-0.145 χ^2/NDF: 2649961.8/29

All: 825.346+/-0.101 χ^2/NDF: 5696319.6/61

- 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: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

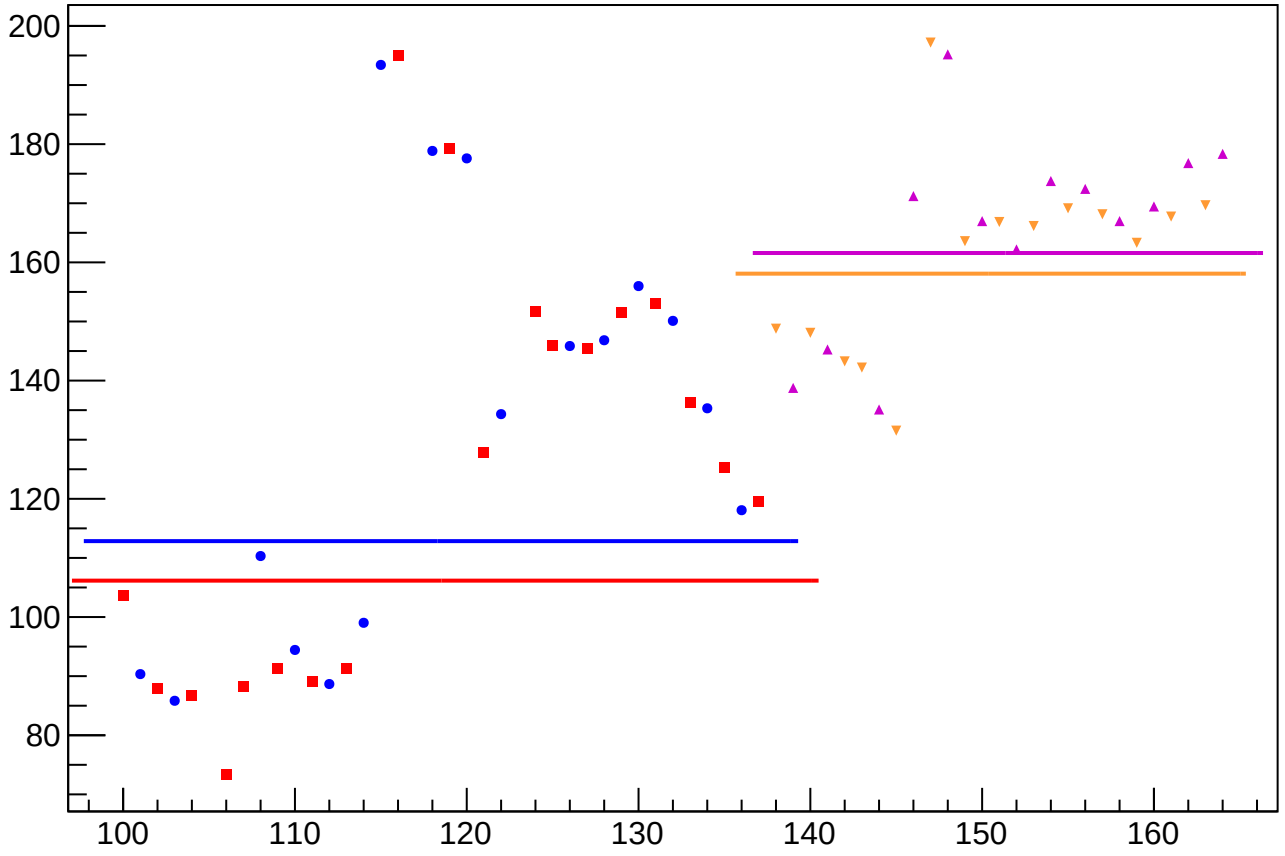
Left In: -207.309+/-49.134 χ^2/NDF:11.2/12

+ sign 80.201+/-32.047 χ^2/NDF: 36.0/29

All: -32.015+/-22.381 χ^2/NDF: 86.1/61

- 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: 158.091+/-0.034 χ^2/NDF:212938.6/13

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

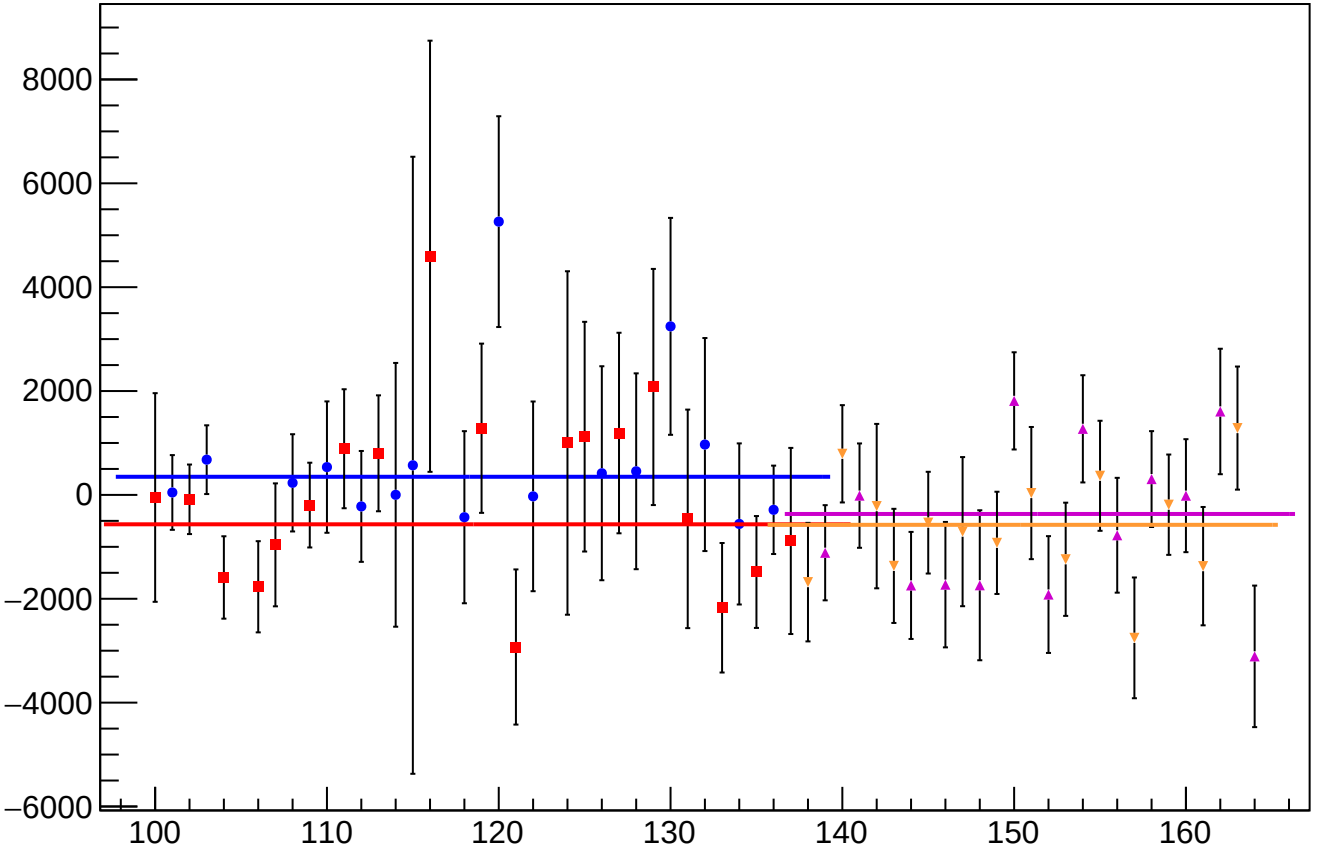
Left In: 161.585+/-0.035 χ^2/NDF:237281.4/12

+ sign 133.463+/-0.023 χ^2/NDF: 2074088.2/29

All: 130.975+/-0.016 χ^2/NDF: 4851299.8/61

- 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: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

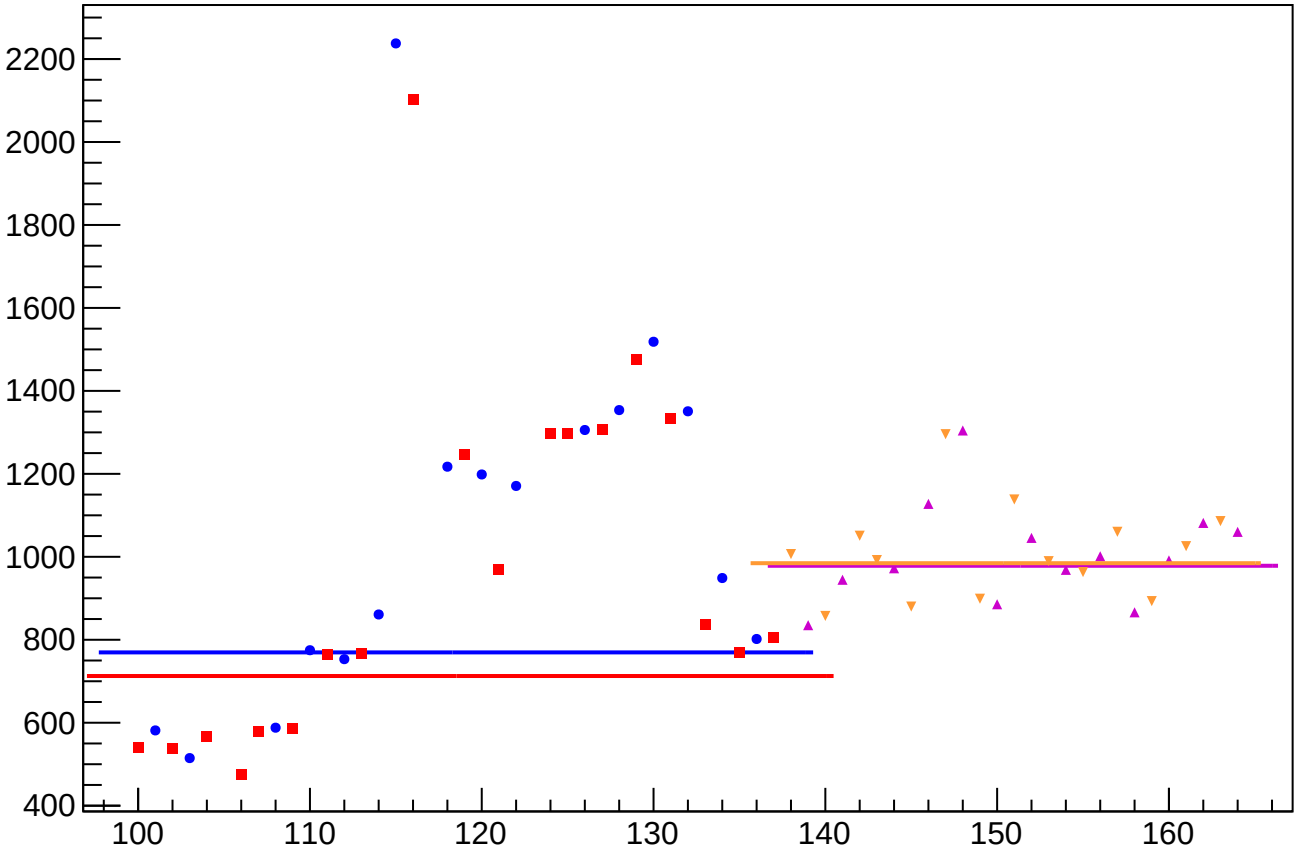
Left In: -367.181+/-298.547 χ^2/NDF:22.1/12

+ sign -126.315+/-212.891 χ^2/NDF: 26.3/29

All: -307.238+/-147.266 χ^2/NDF: 68.3/61

- 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: 984.611+/-0.210 χ^2/NDF:246619.8/13

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

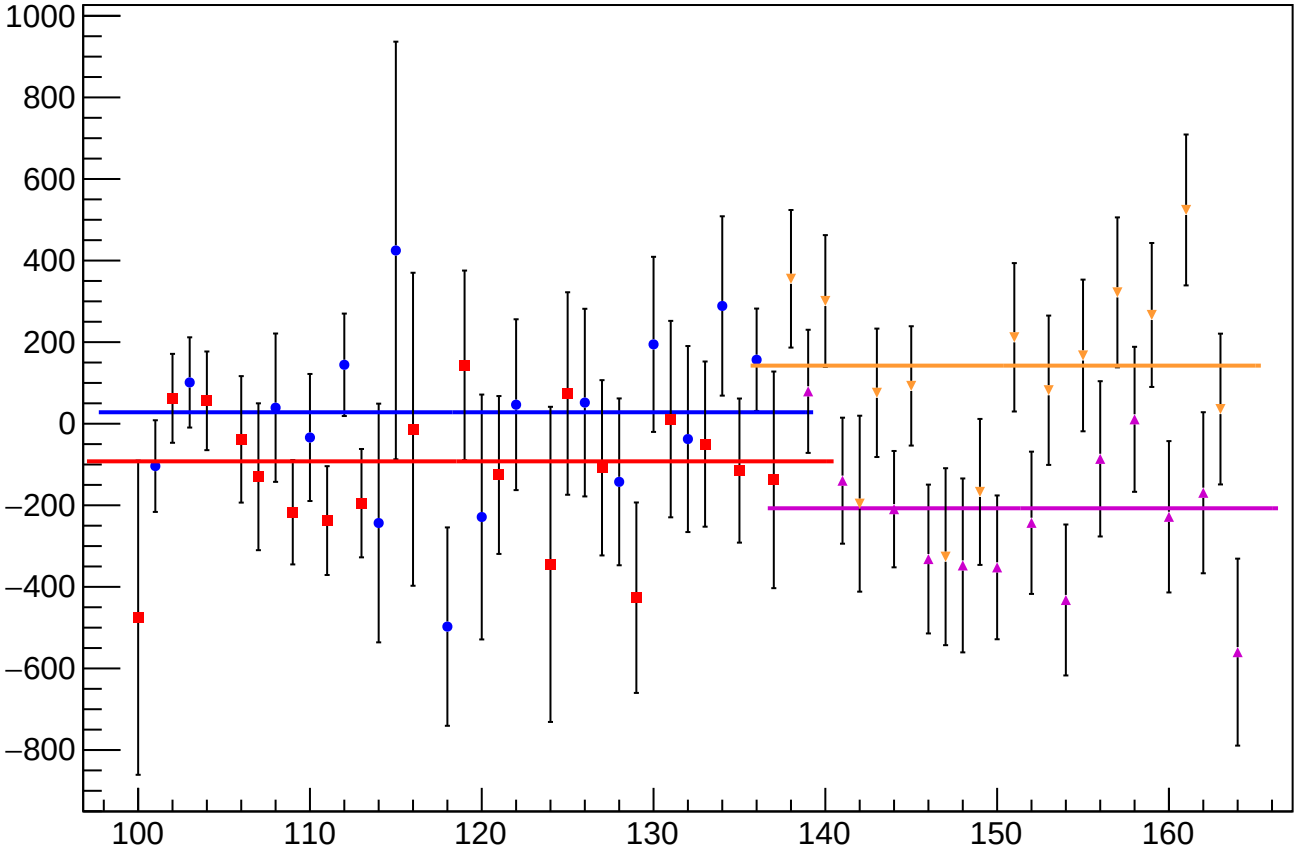
Left In: 978.405+/-0.211 χ^2/NDF:263236.3/12

+ sign 880.060+/-0.151 χ^2/NDF: 2496375.6/29

All: 857.414+/-0.104 χ^2/NDF: 5415715.8/61

- 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: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

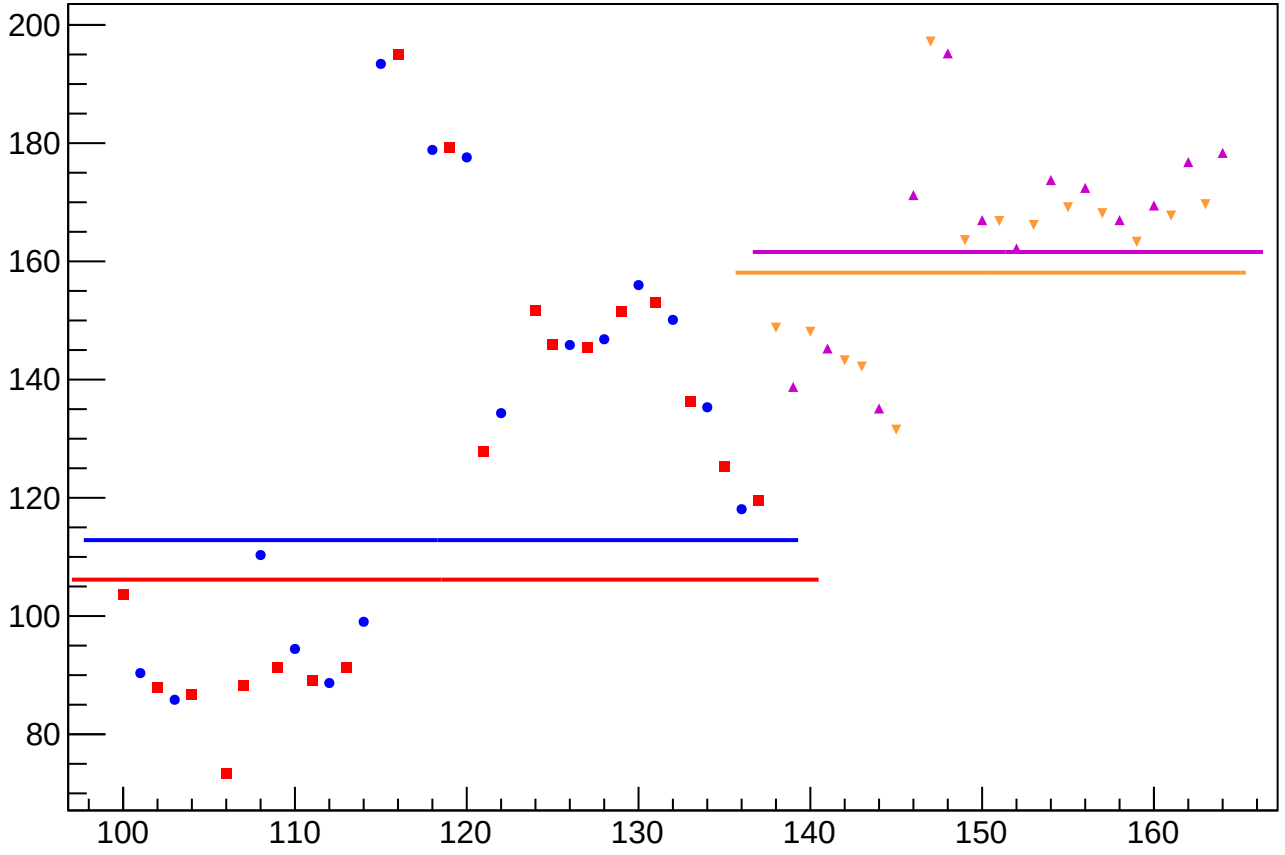
Left In: -207.311+/-49.134 χ^2/NDF:11.2/12

+ sign 80.200+/-32.047 χ^2/NDF: 36.0/29

All: -32.016+/-22.381 χ^2/NDF: 86.1/61

- 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: 158.091+/-0.034 χ^2/NDF:212938.9/13

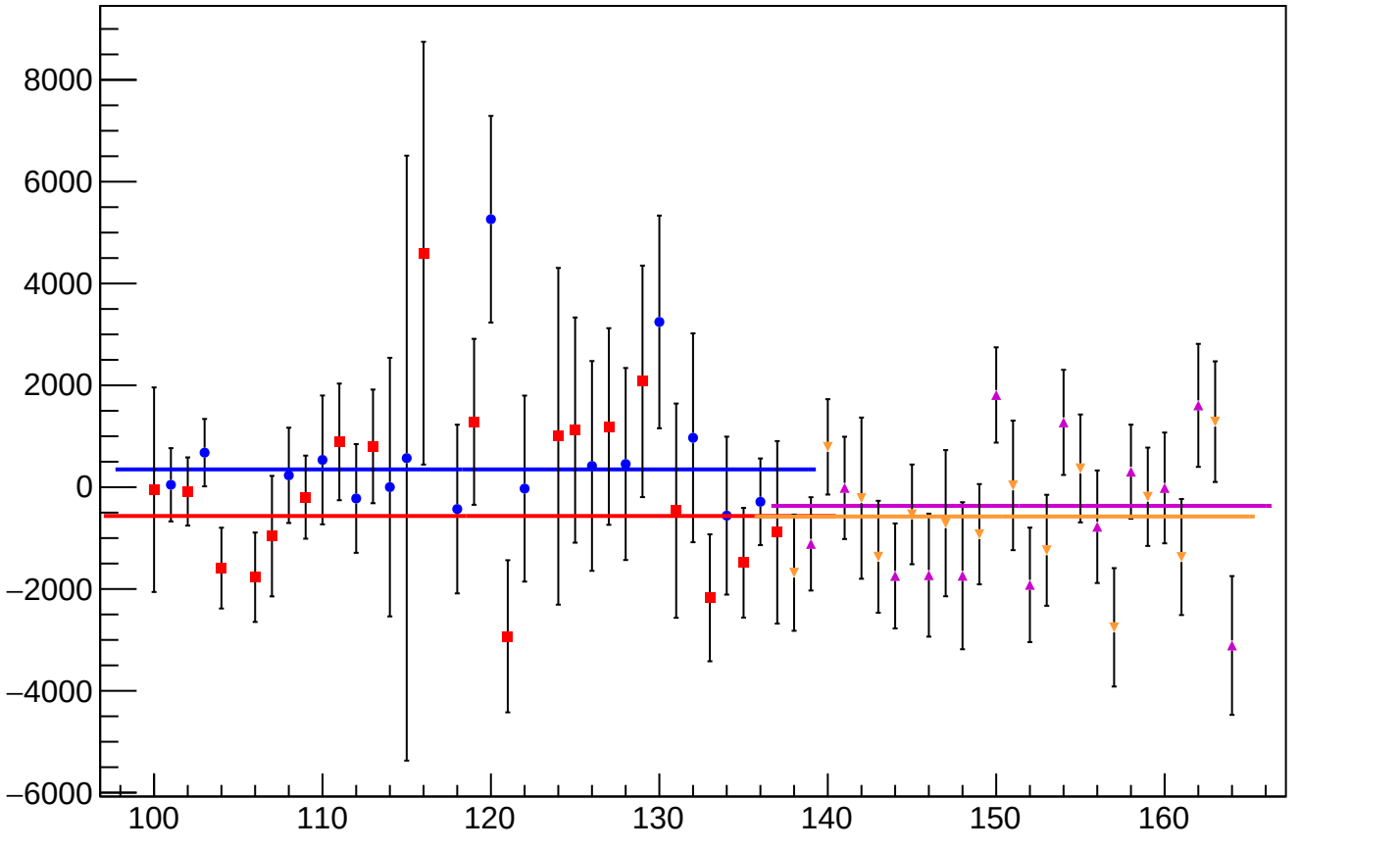
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 161.586+/-0.035 χ^2/NDF:237276.6/12

+ sign 133.462+/-0.023 χ^2/NDF: 2074104.6/29

All: 130.975+/-0.016 χ^2/NDF: 4851326.7/61

- sign 128.607+/-0.022 χ^2/NDF: 2753708.2/31



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

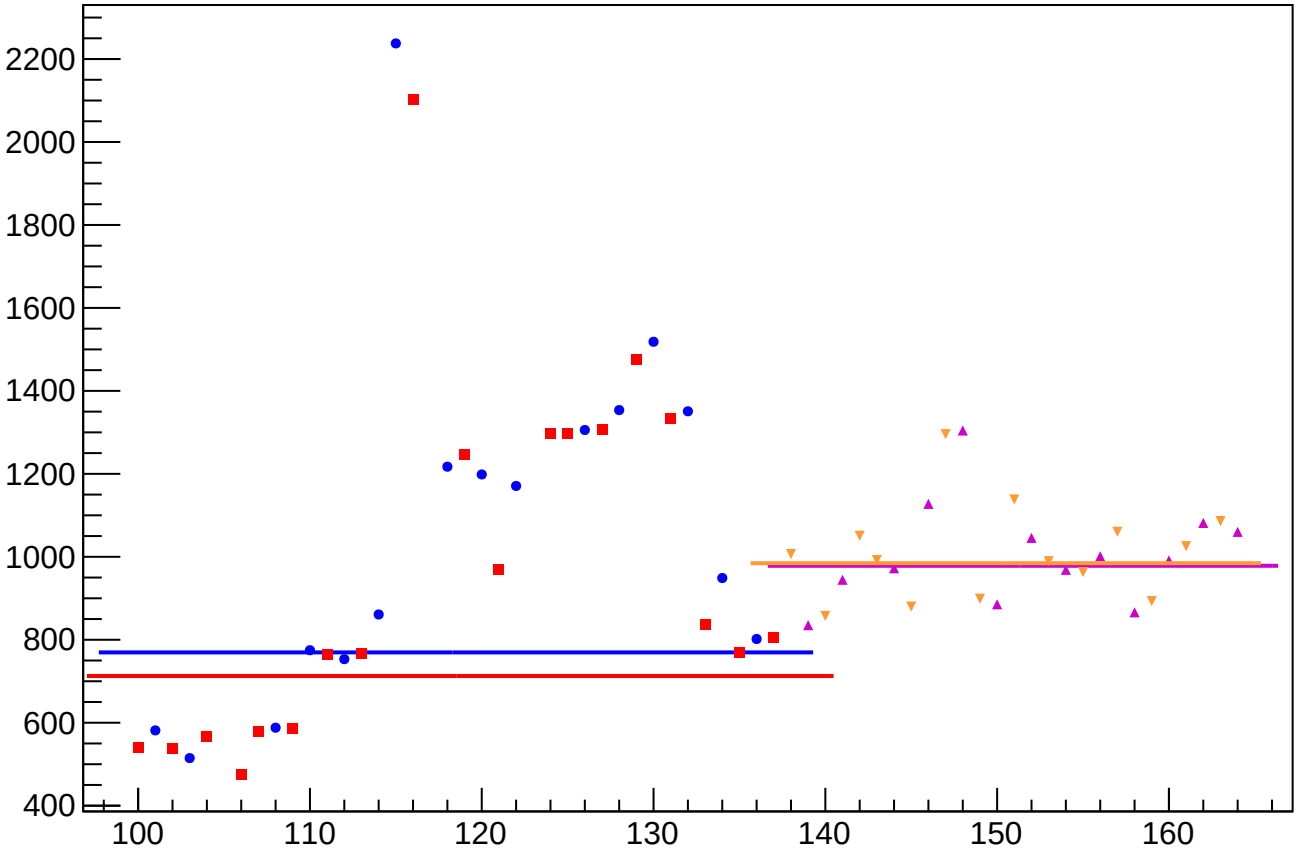
Left In: -367.182+/-298.547 χ^2/NDF:22.1/12

+ sign -126.314+/-212.891 χ^2/NDF: 26.3/29

All: -307.238+/-147.266 χ^2/NDF: 68.3/61

- 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: 984.612+/-0.210 χ^2/NDF:246620.1/13

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

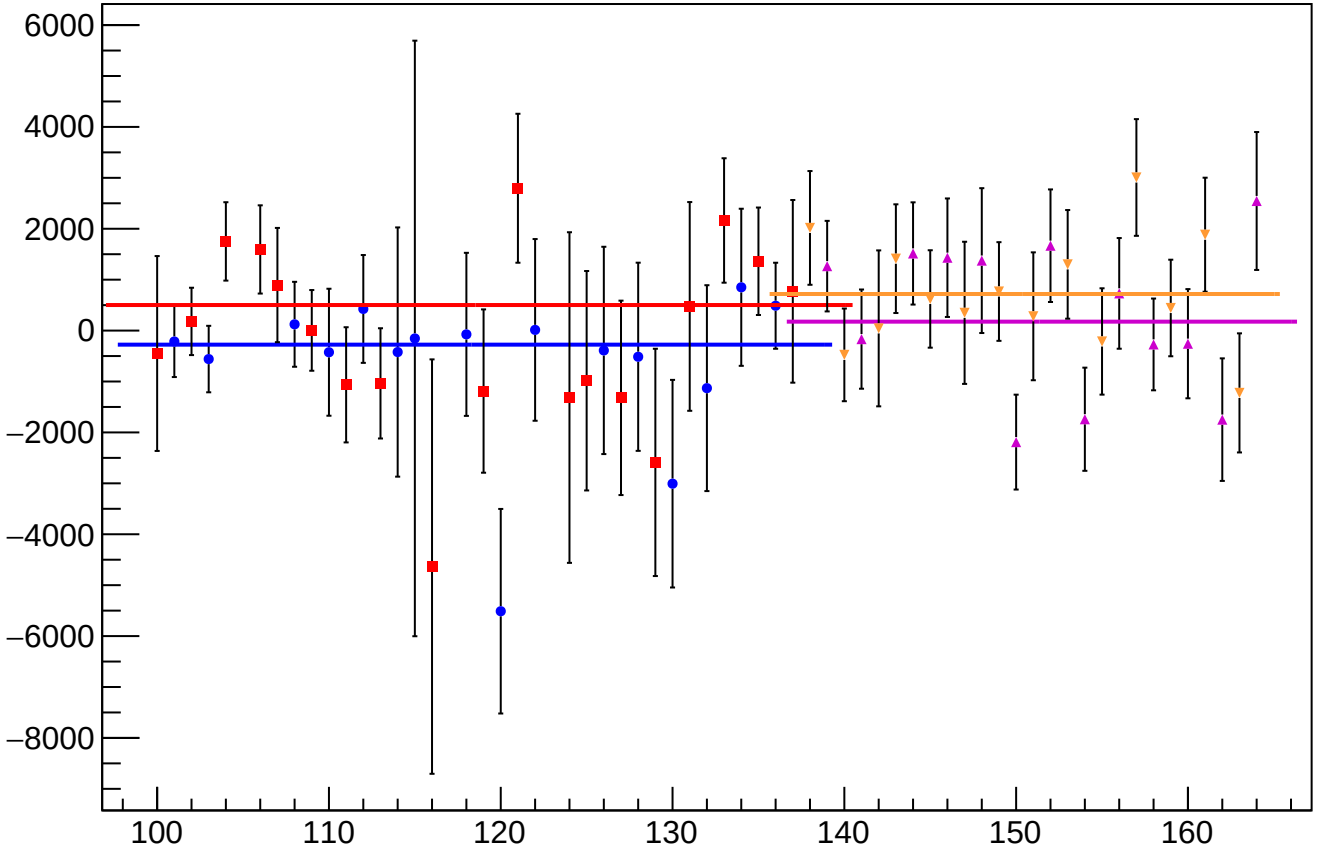
Left In: 978.407+/-0.211 χ^2/NDF:263235.8/12

+ sign 880.060+/-0.151 χ^2/NDF: 2496385.6/29

All: 857.414+/-0.104 χ^2/NDF: 5415734.4/61

- 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: 718.484+/-290.922 χ^2/NDF:12.9/13

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

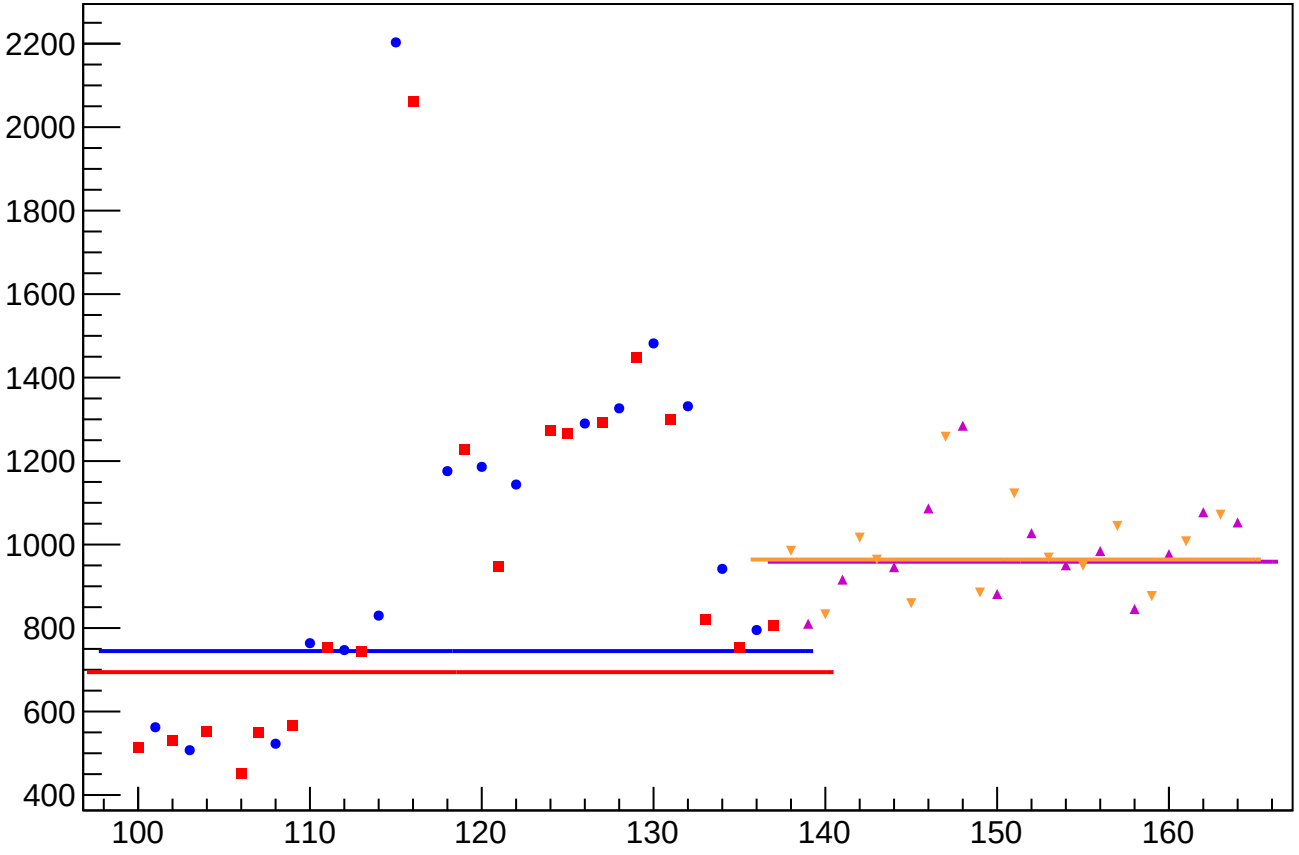
Left In: 175.469+/-292.723 χ^2/NDF:23.4/12

+ sign 230.935+/-207.729 χ^2/NDF: 29.7/29

All: 292.883+/-143.943 χ^2/NDF: 74.4/61

- 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: 964.157+/-0.206 χ^2/NDF:249800.0/13

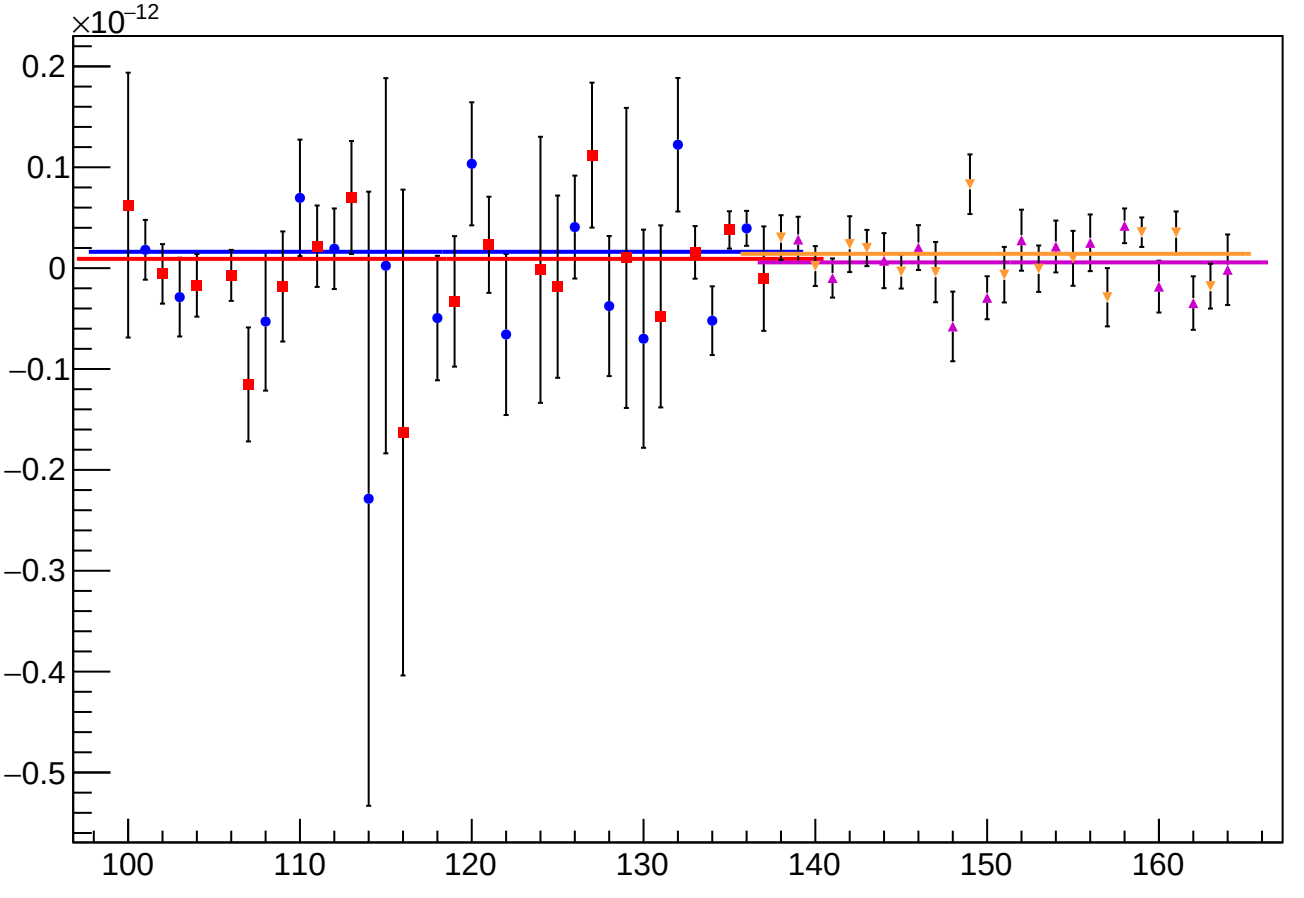
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 958.885+/-0.207 χ^2/NDF:272981.0/12

+ sign 856.629+/-0.147 χ^2/NDF: 2629769.1/29

All: 836.237+/-0.102 χ^2/NDF: 5617166.4/61

- 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:16.5/13

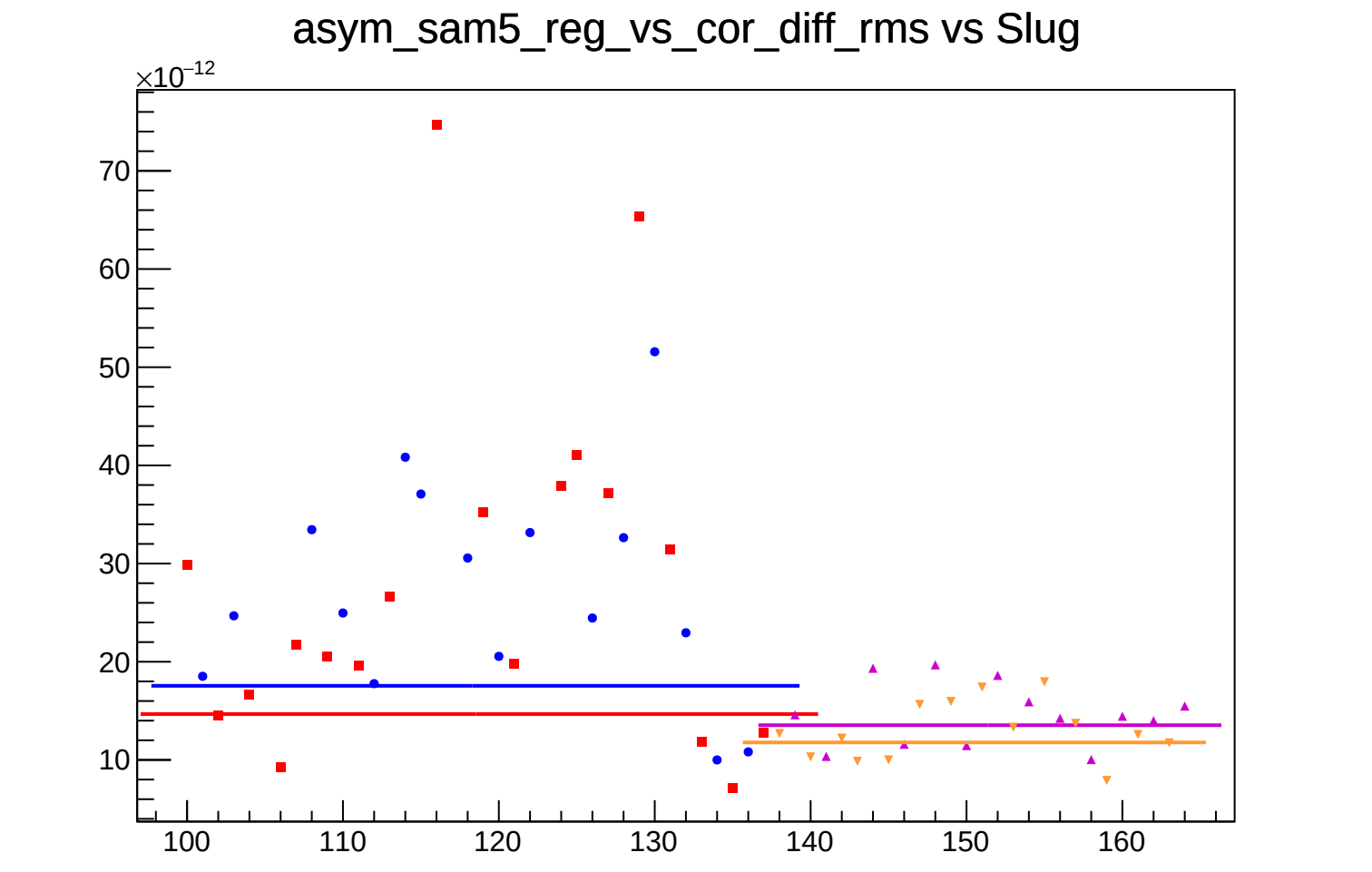
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/29

All: 0.000+/-0.000 χ^2/NDF: 67.0/61

- sign 0.000+/-0.000 χ^2/NDF: 31.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:481383.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

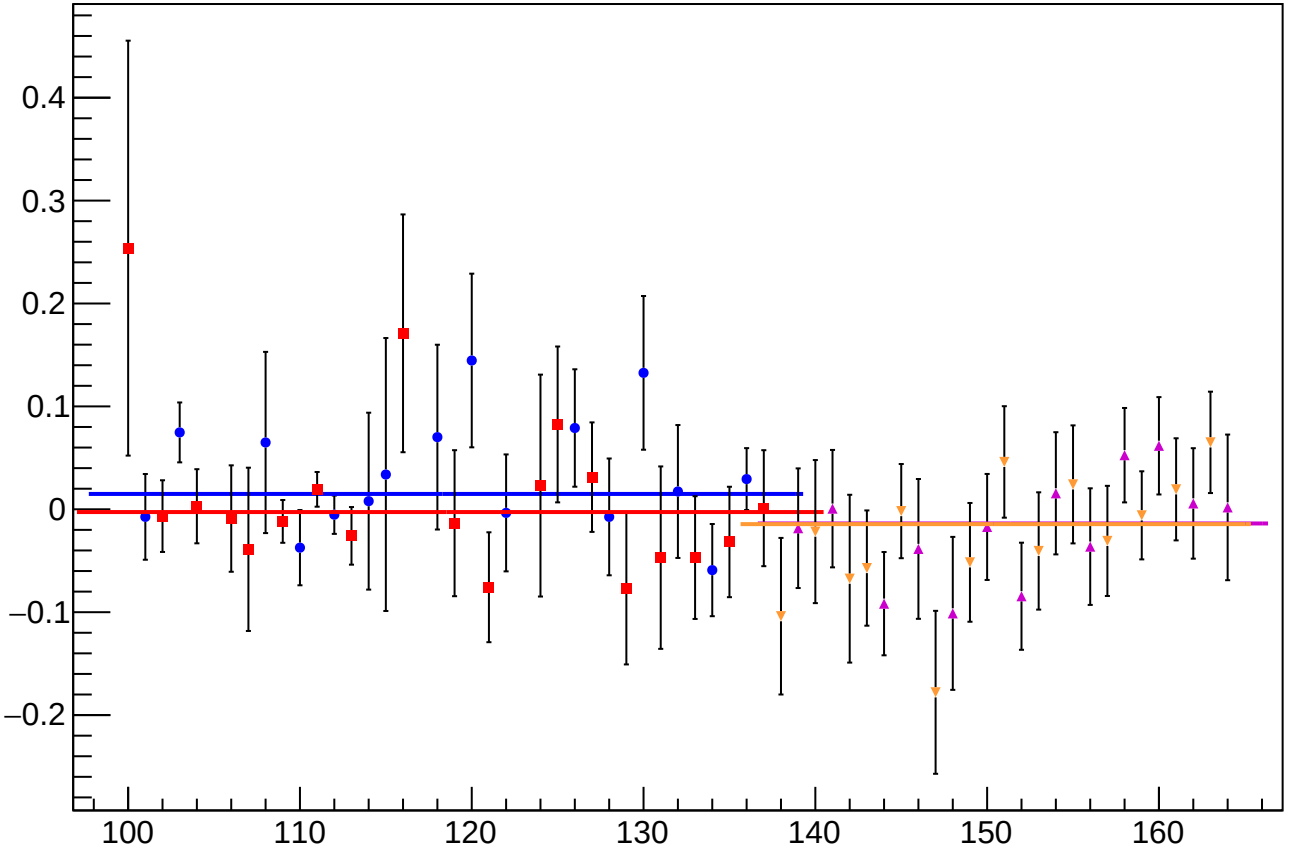
Left In: 0.000+/-0.000 χ^2/NDF:412576.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2087416.5/29

All: 0.000+/-0.000 χ^2/NDF: 4285028.7/61

- 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: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

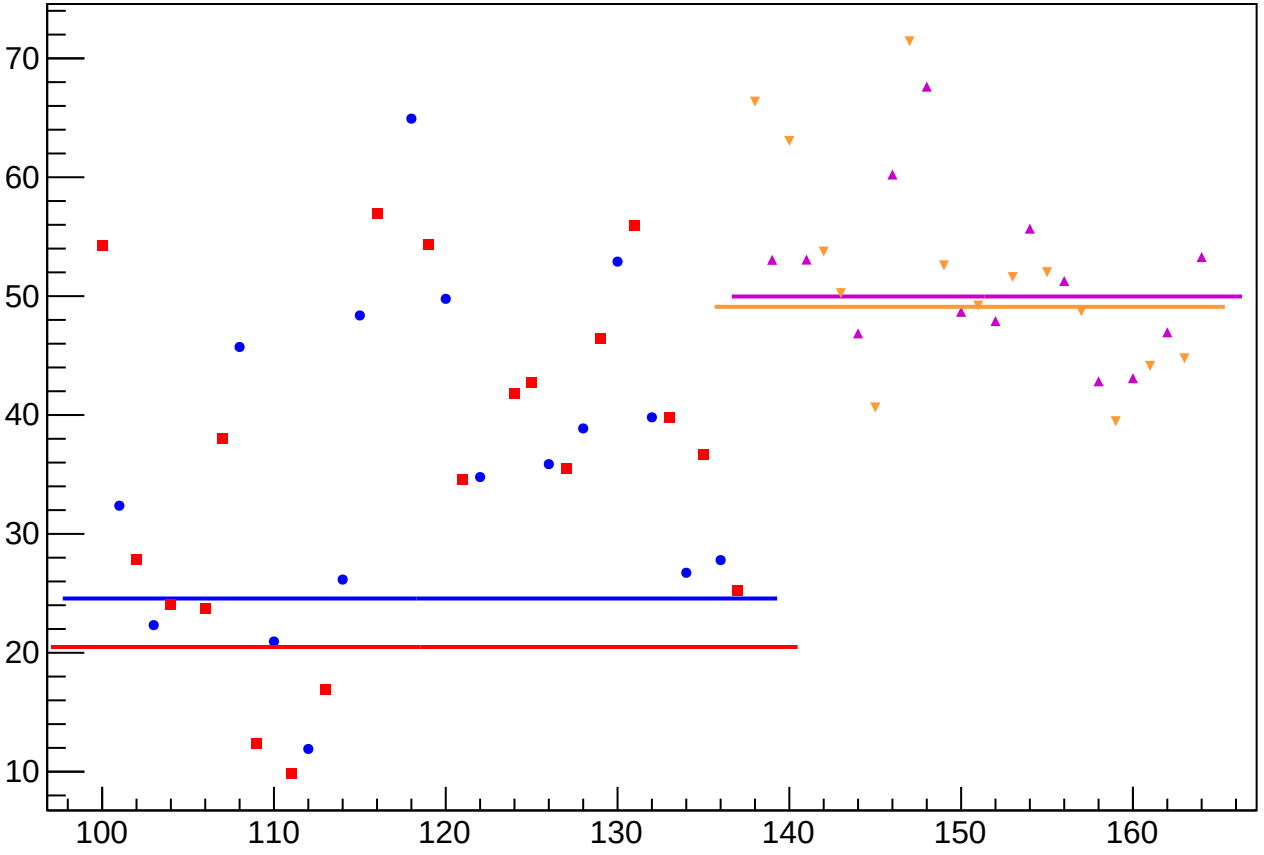
Left In: -0.014+/-0.015 χ^2/NDF:11.1/12

+ sign 0.005+/-0.009 χ^2/NDF: 32.6/29

All: -0.001+/-0.006 χ^2/NDF: 57.3/61

- 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: 49.101+/-0.011 χ^2/NDF:571215.8/13

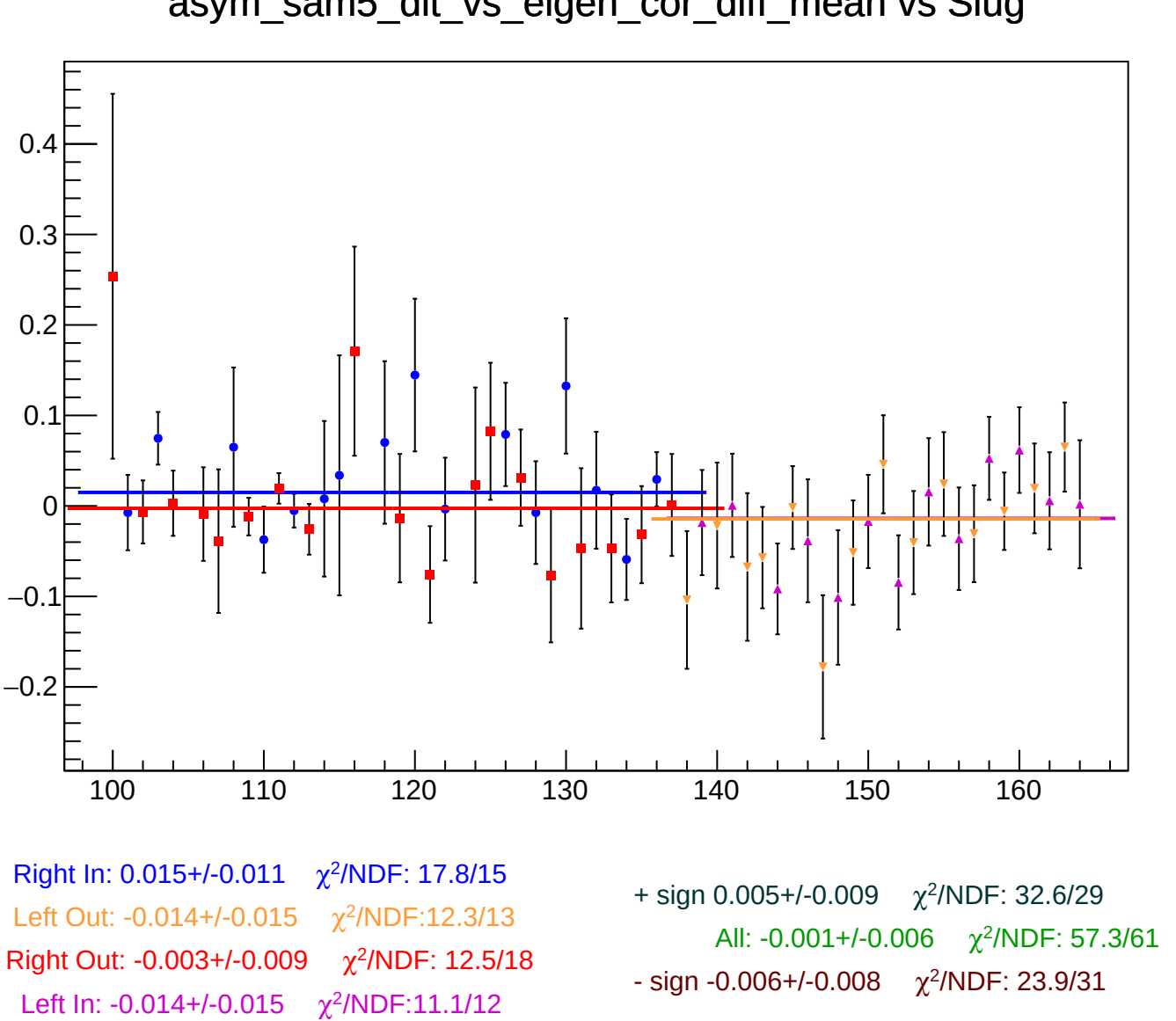
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

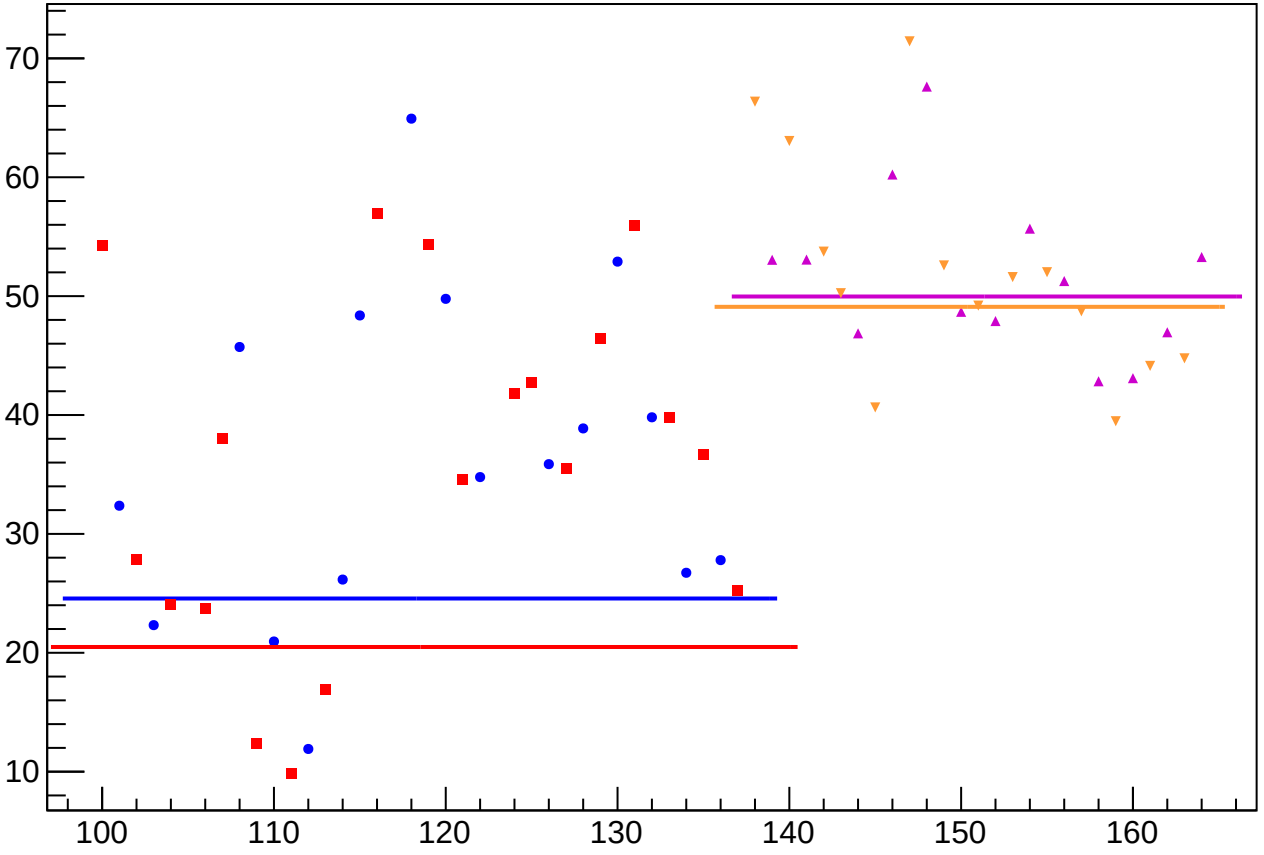
+ sign 32.733+/-0.006 χ^2/NDF: 6631032.4/29

All: 30.301+/-0.004 χ^2/NDF: 16193737.6/61

- 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: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.014+/-0.015 χ²/NDF:11.1/12
+ sign 0.005+/-0.009 χ²/NDF: 32.6/29
All: -0.001+/-0.006 χ²/NDF: 57.3/61
- 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: 49.101+/-0.011 χ^2/NDF:571215.8/13

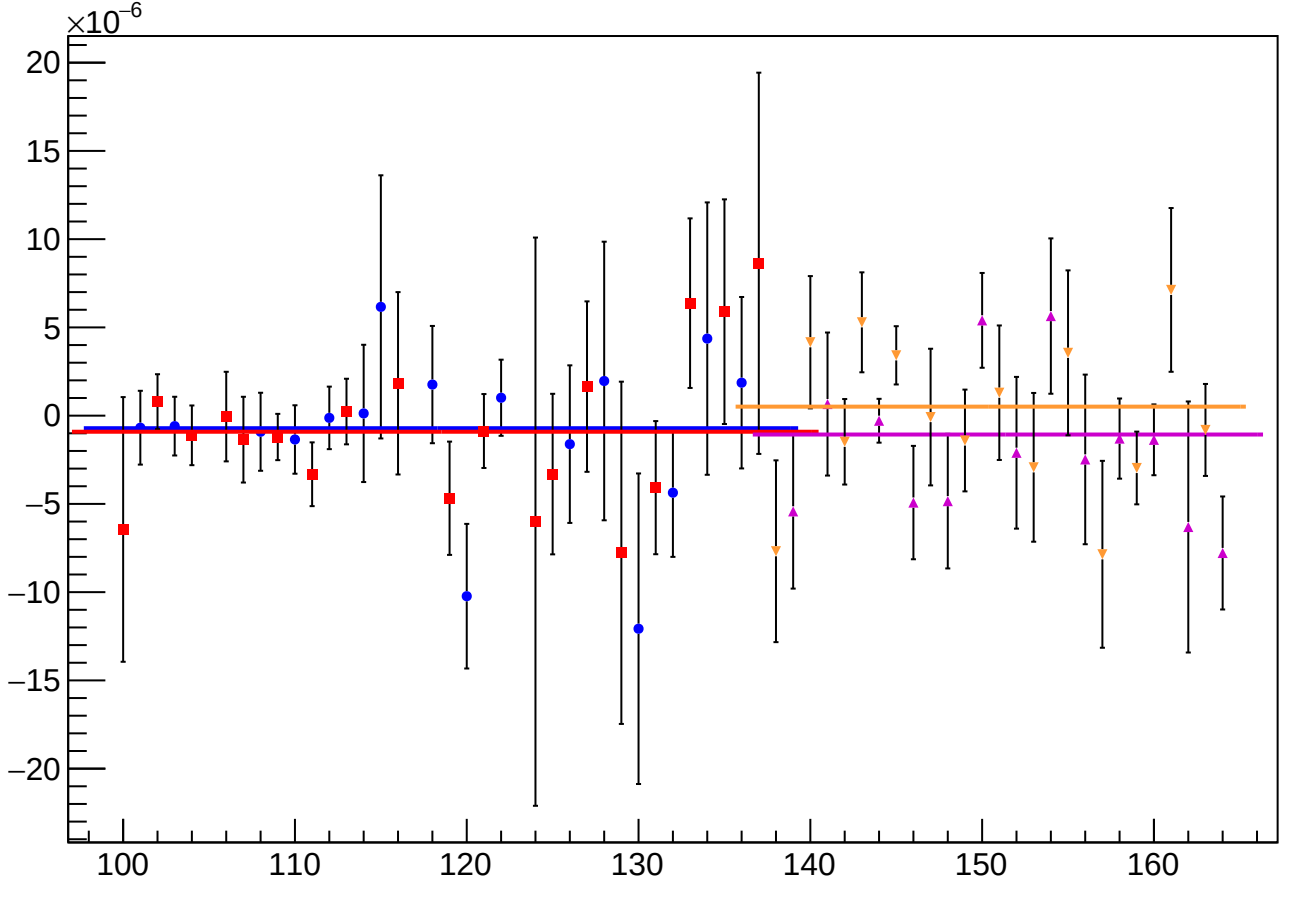
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

+ sign 32.733+/-0.006 χ^2/NDF: 6631032.4/29

All: 30.301+/-0.004 χ^2/NDF: 16193737.6/61

- 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:19.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

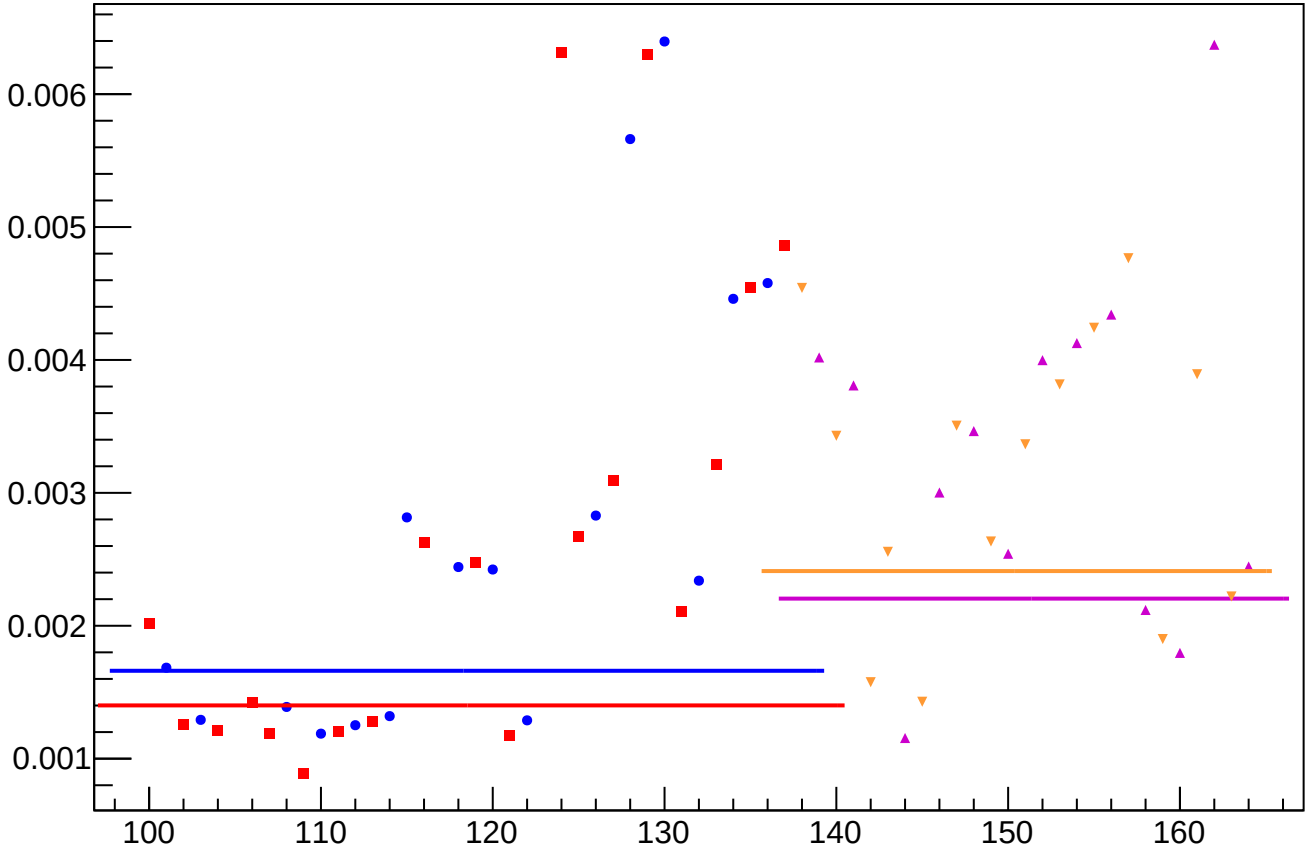
Left In: -0.000+/-0.000 χ^2/NDF:17.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/29

All: -0.000+/-0.000 χ^2/NDF: 62.3/61

- sign -0.000+/-0.000 χ^2/NDF: 29.1/31

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3002485.2/13

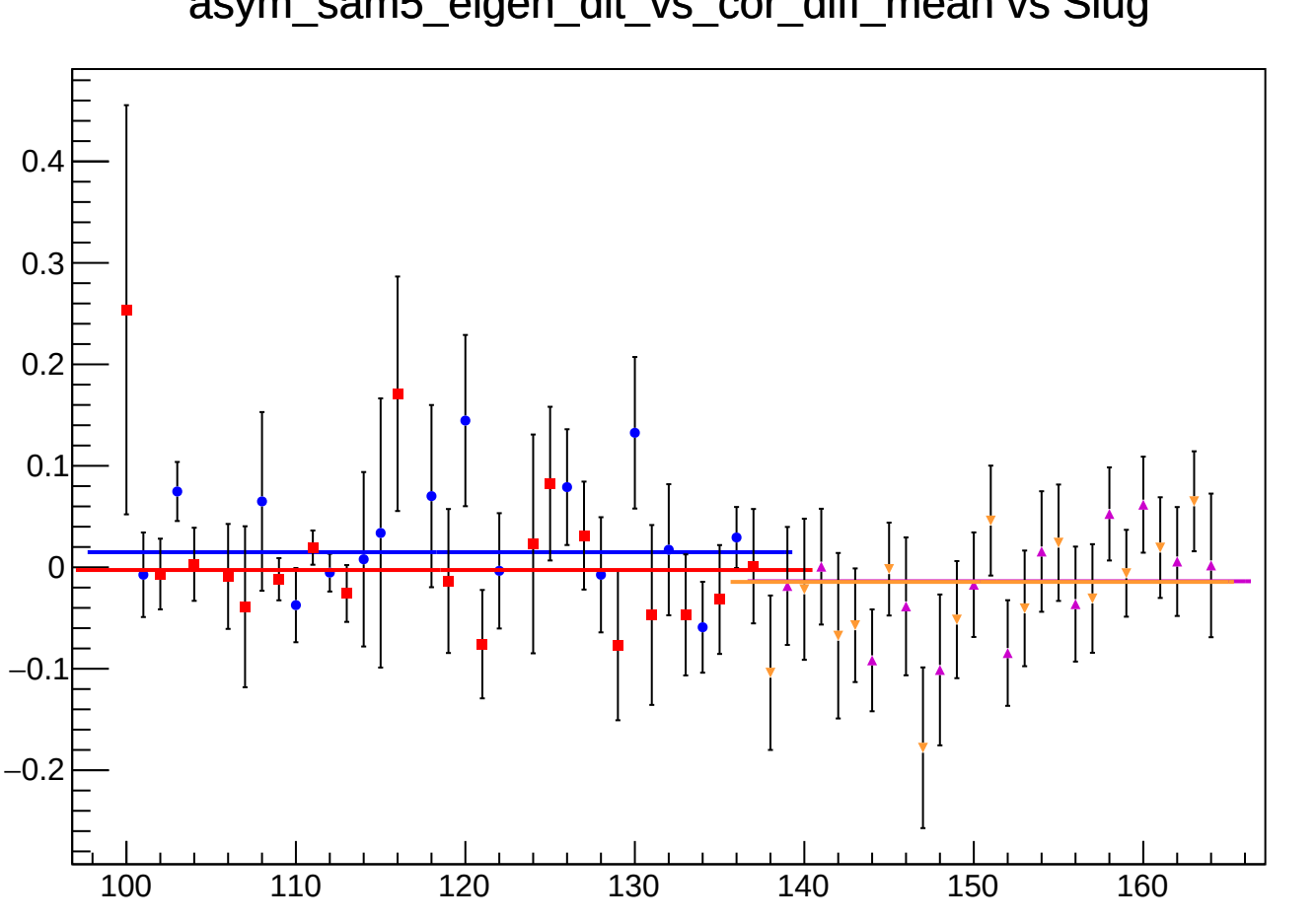
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4367119.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 6952573.6/29

All: 0.002+/-0.000 χ^2/NDF: 15987051.1/61

- sign 0.002+/-0.000 χ^2/NDF: 8704176.1/31



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

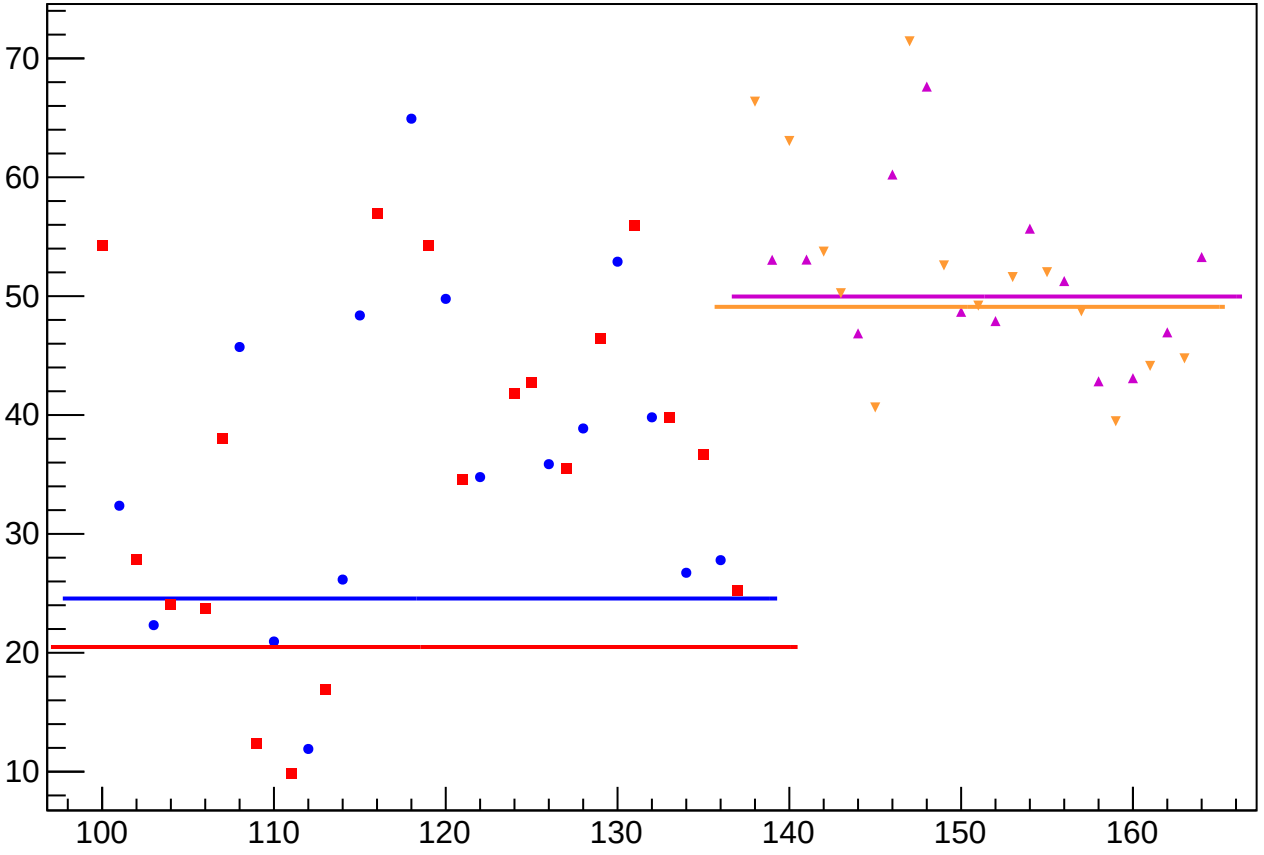
Left In: -0.014+/-0.015 χ^2/NDF:11.1/12

+ sign 0.005+/-0.009 χ^2/NDF: 32.6/29

All: -0.001+/-0.006 χ^2/NDF: 57.3/61

- sign -0.006+/-0.008 χ^2/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: 49.101+/-0.011 χ^2/NDF:571335.5/13

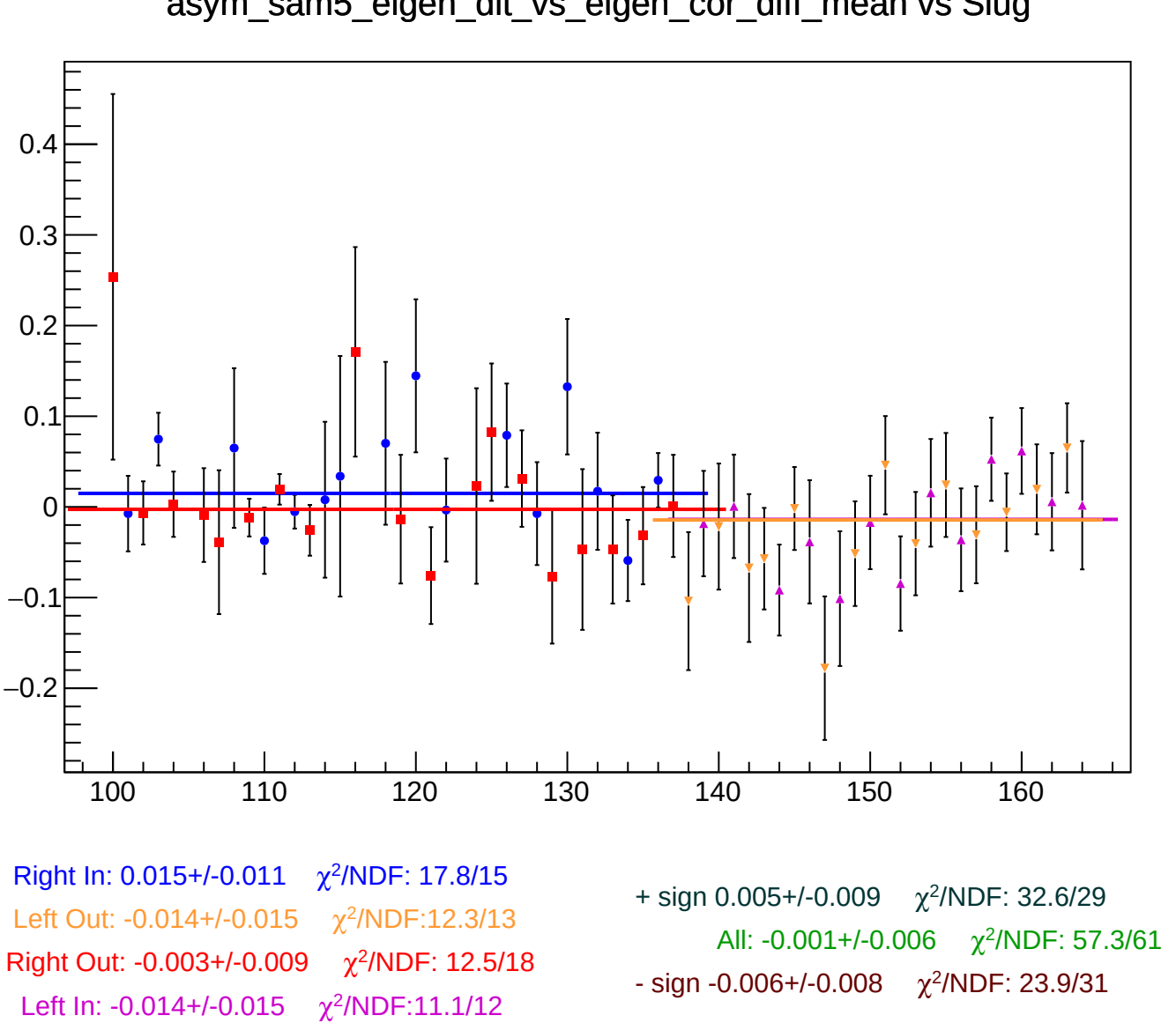
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

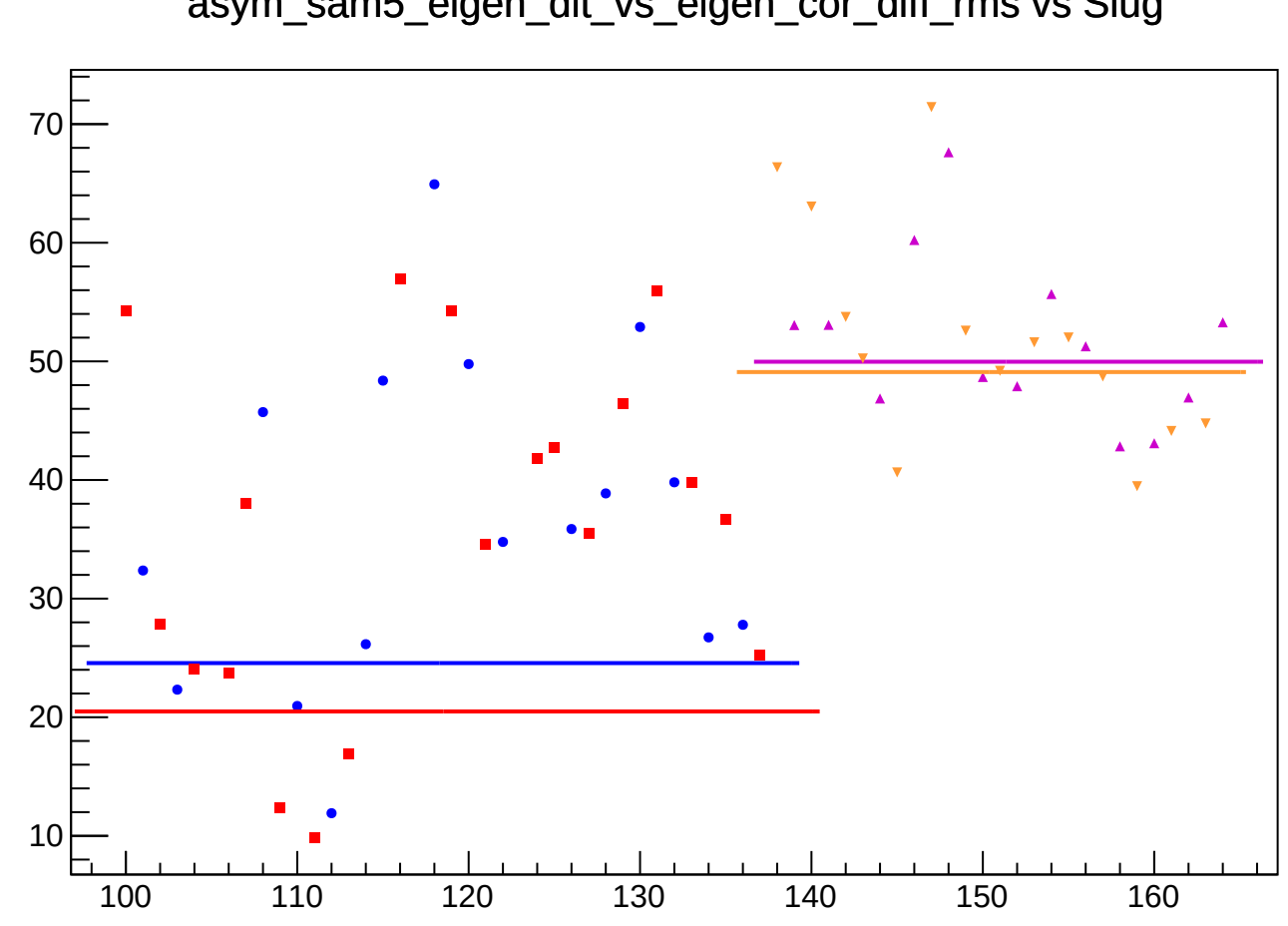
Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

+ sign 32.733+/-0.006 χ^2/NDF: 6631236.5/29

All: 30.300+/-0.004 χ^2/NDF: 16194229.5/61

- sign 28.261+/-0.006 χ^2/NDF: 9272075.9/31


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.014+/-0.015 χ²/NDF:11.1/12
+ sign 0.005+/-0.009 χ²/NDF: 32.6/29
All: -0.001+/-0.006 χ²/NDF: 57.3/61
- sign -0.006+/-0.008 χ²/NDF: 23.9/31



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

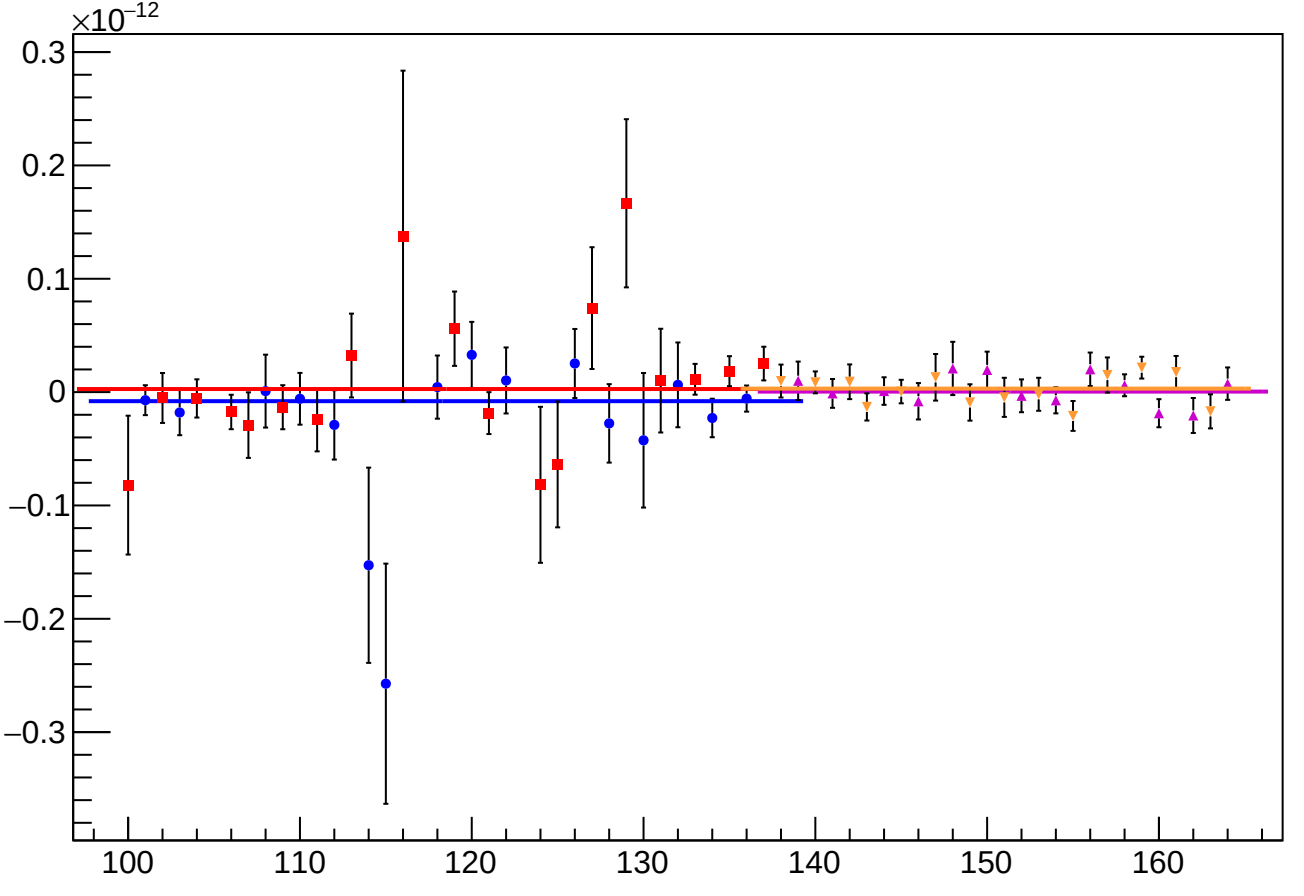
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

+ sign 32.733+/-0.006 χ^2/NDF: 6631236.5/29

All: 30.300+/-0.004 χ^2/NDF: 16194229.5/61

- 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:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

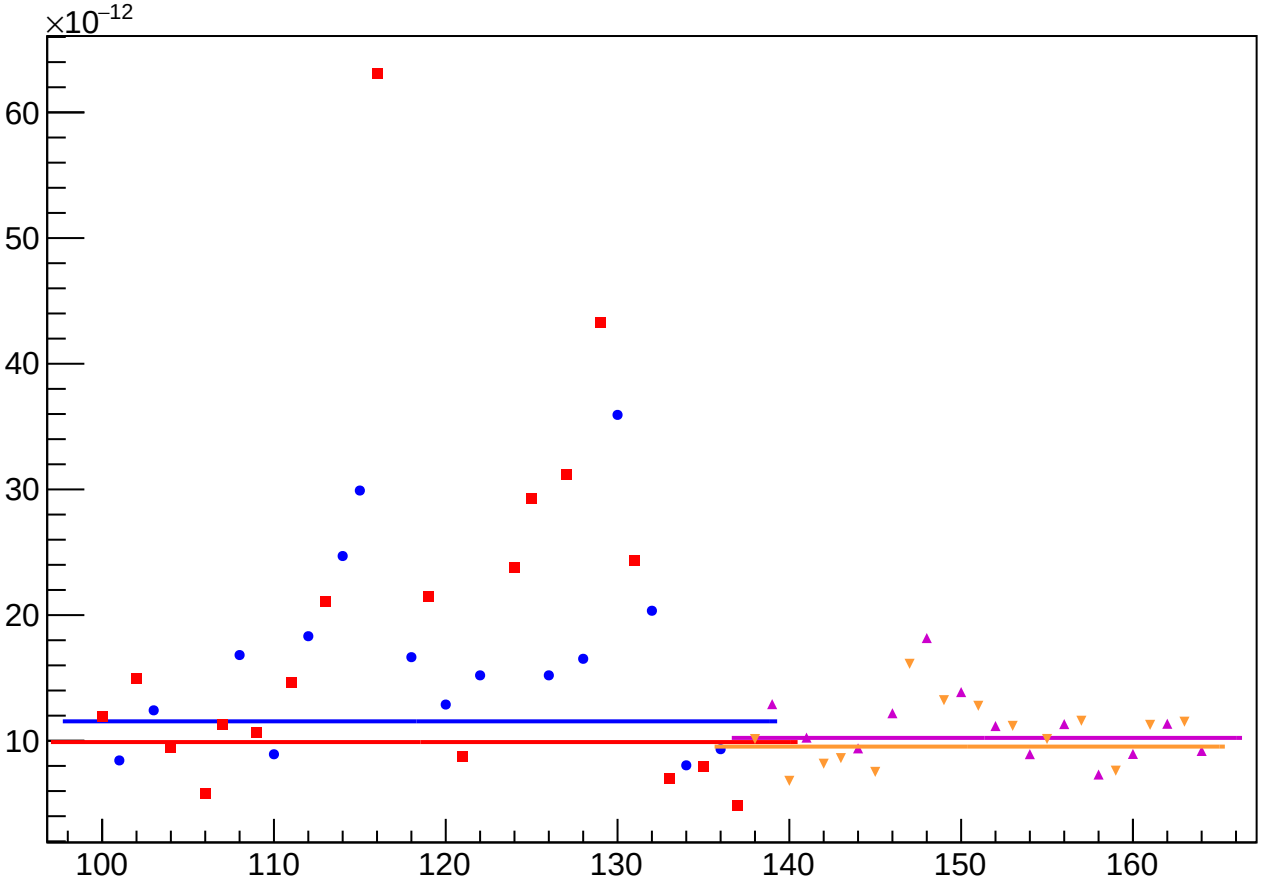
Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.5/61

- 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:855779.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

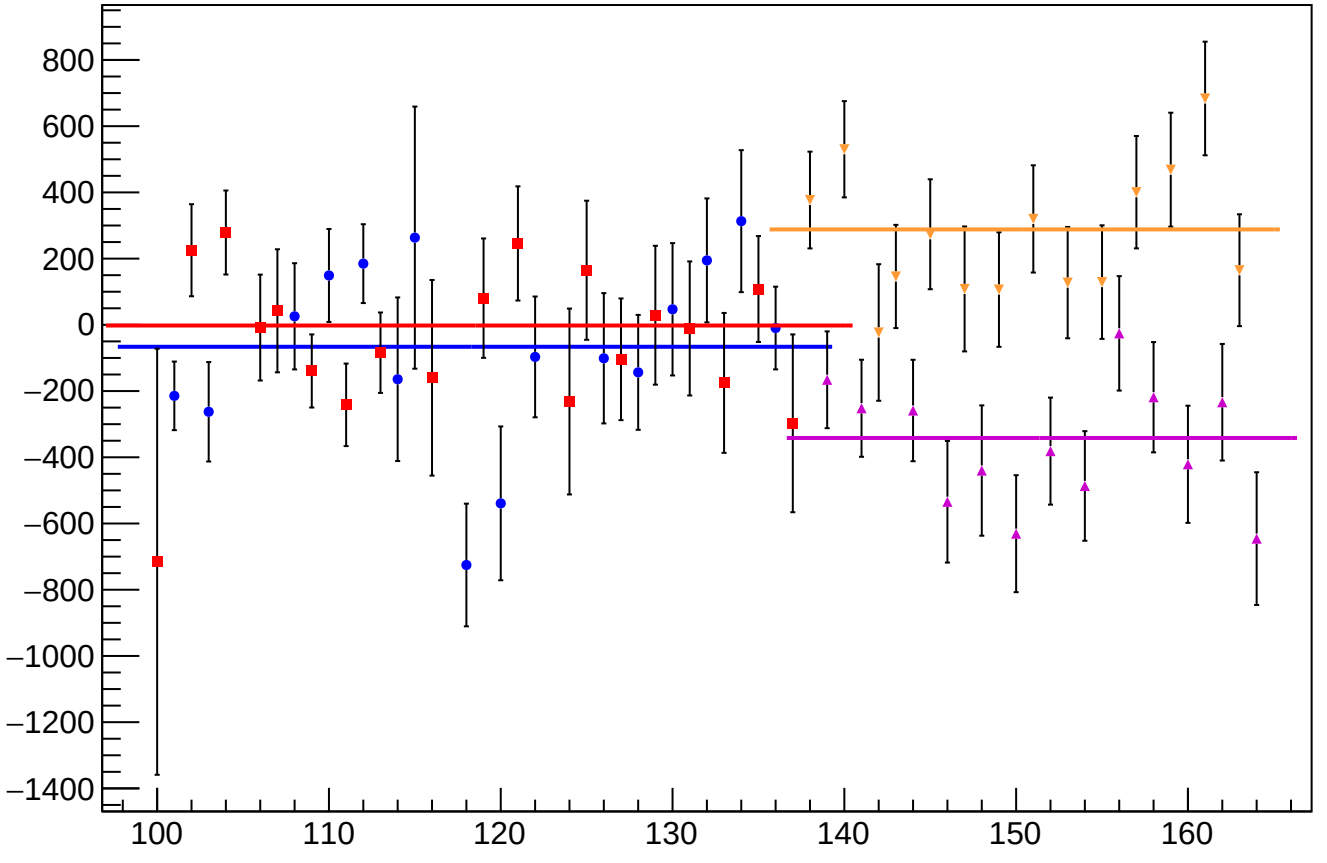
Left In: 0.000+/-0.000 χ^2/NDF:689270.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 2212061.2/29

All: 0.000+/-0.000 χ^2/NDF: 5542497.6/61

- 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: 288.199+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

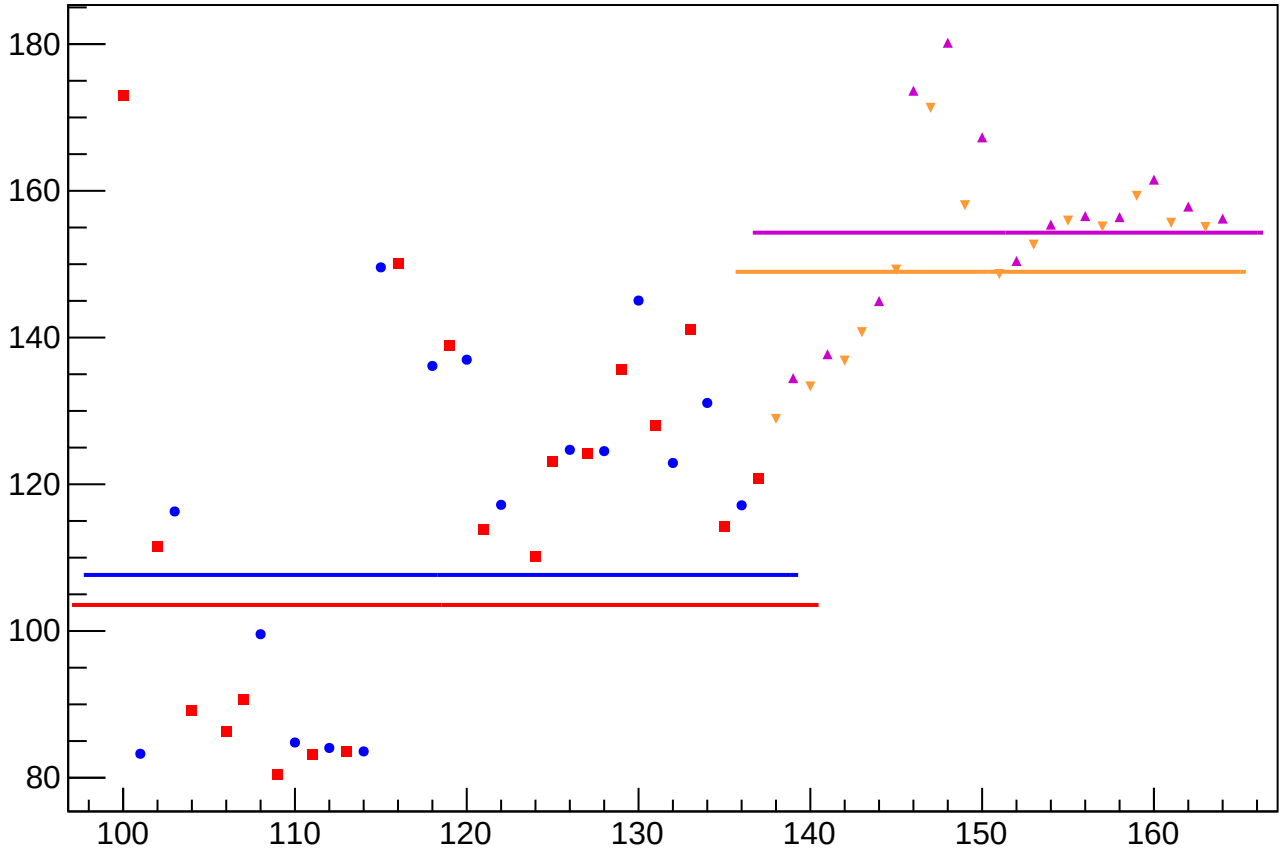
Left In: -341.647+/-46.781 χ^2/NDF:13.7/12

+ sign 95.654+/-30.173 χ^2/NDF: 86.1/29

All: -23.625+/-21.237 χ^2/NDF: 183.1/61

- 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: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

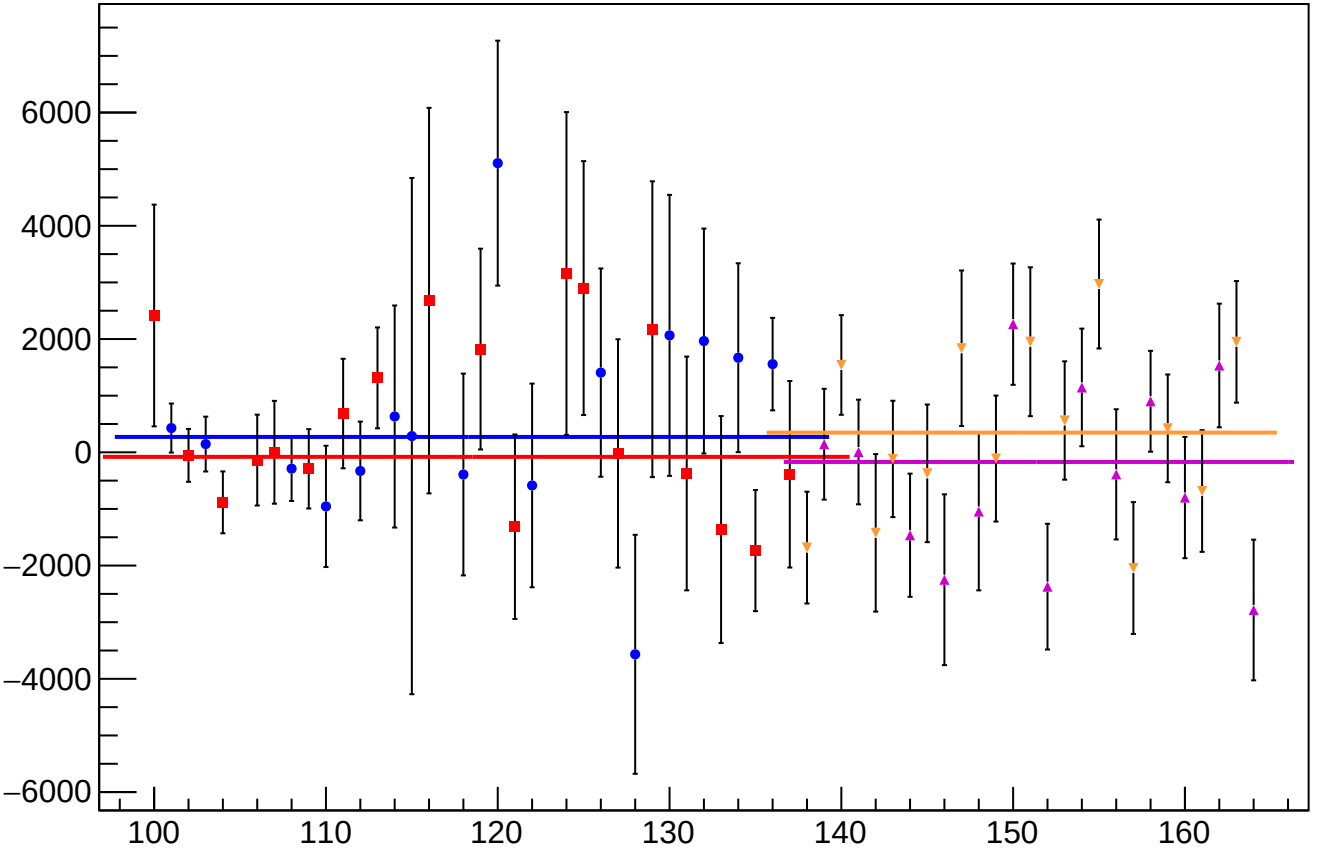
Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 126.516+/-0.021 χ^2/NDF: 1590065.4/29

All: 125.385+/-0.015 χ^2/NDF: 3749174.6/61

- 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: 347.957+/-293.077 χ^2/NDF:23.8/13

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

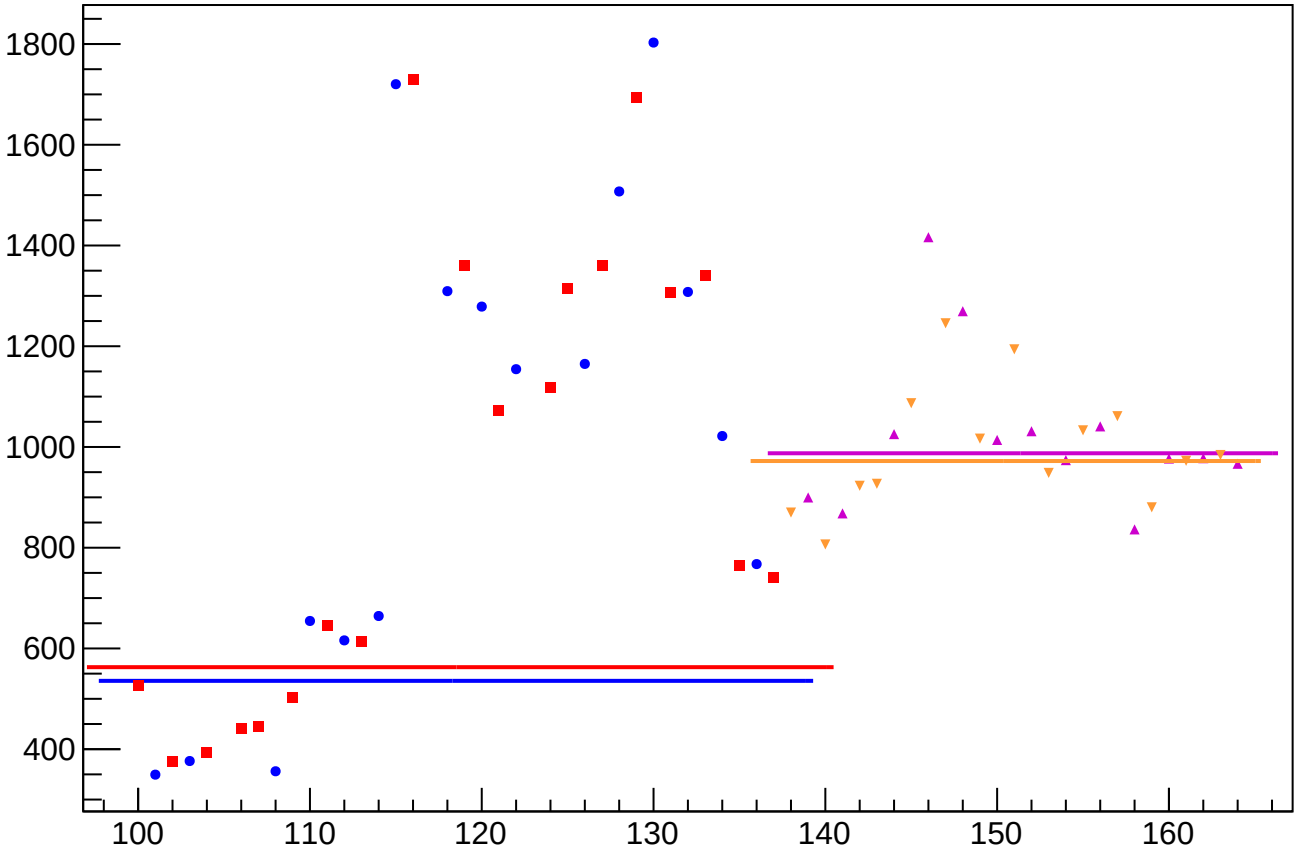
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 300.748+/-181.258 χ^2/NDF: 40.3/29

All: 96.552+/-129.105 χ^2/NDF: 82.2/61

- 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: 972.108+/-0.207 χ^2/NDF:293293.8/13

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

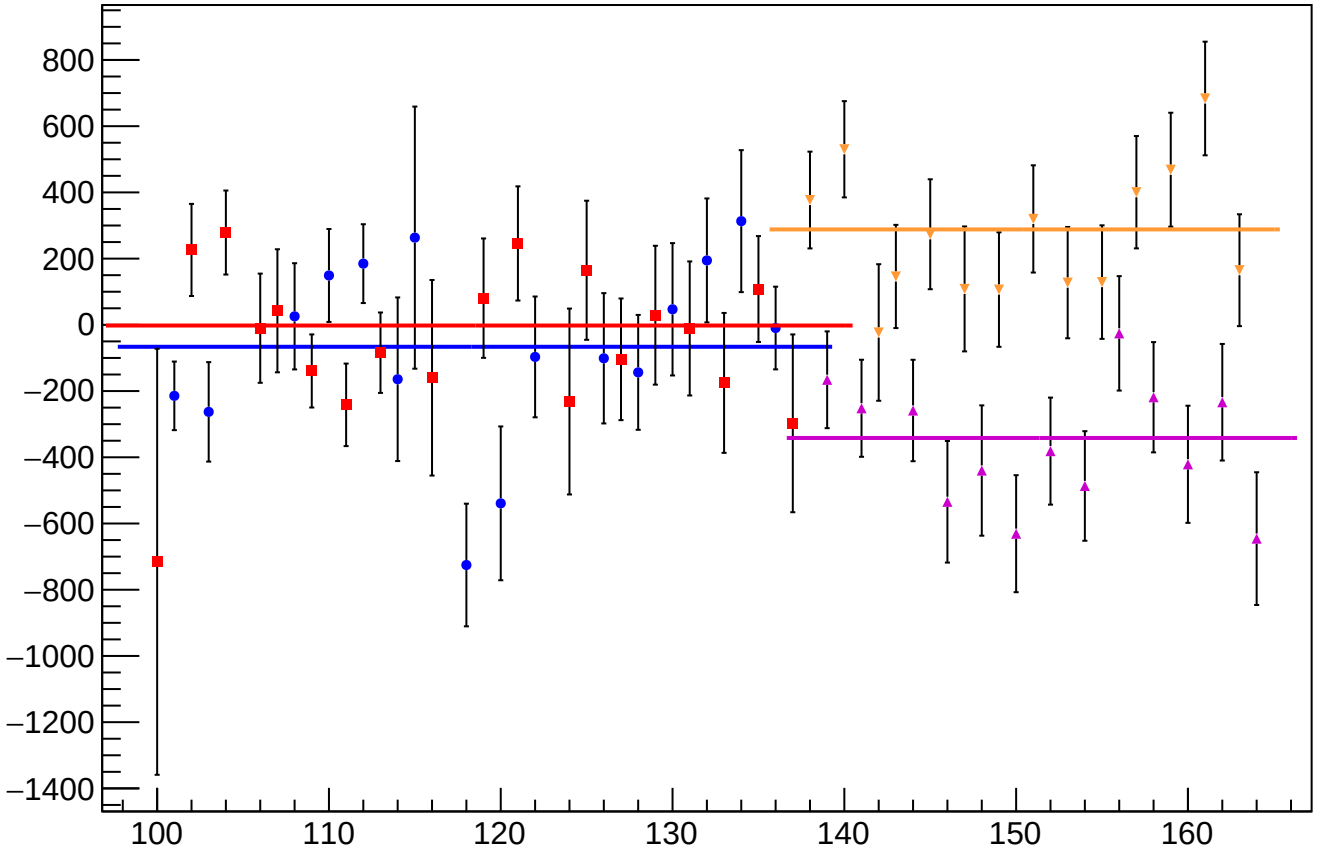
Left In: 987.503+/-0.213 χ^2/NDF:363258.2/12

+ sign 702.615+/-0.128 χ^2/NDF: 6664263.6/29

All: 711.638+/-0.091 χ^2/NDF: 12639782.0/61

- 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: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

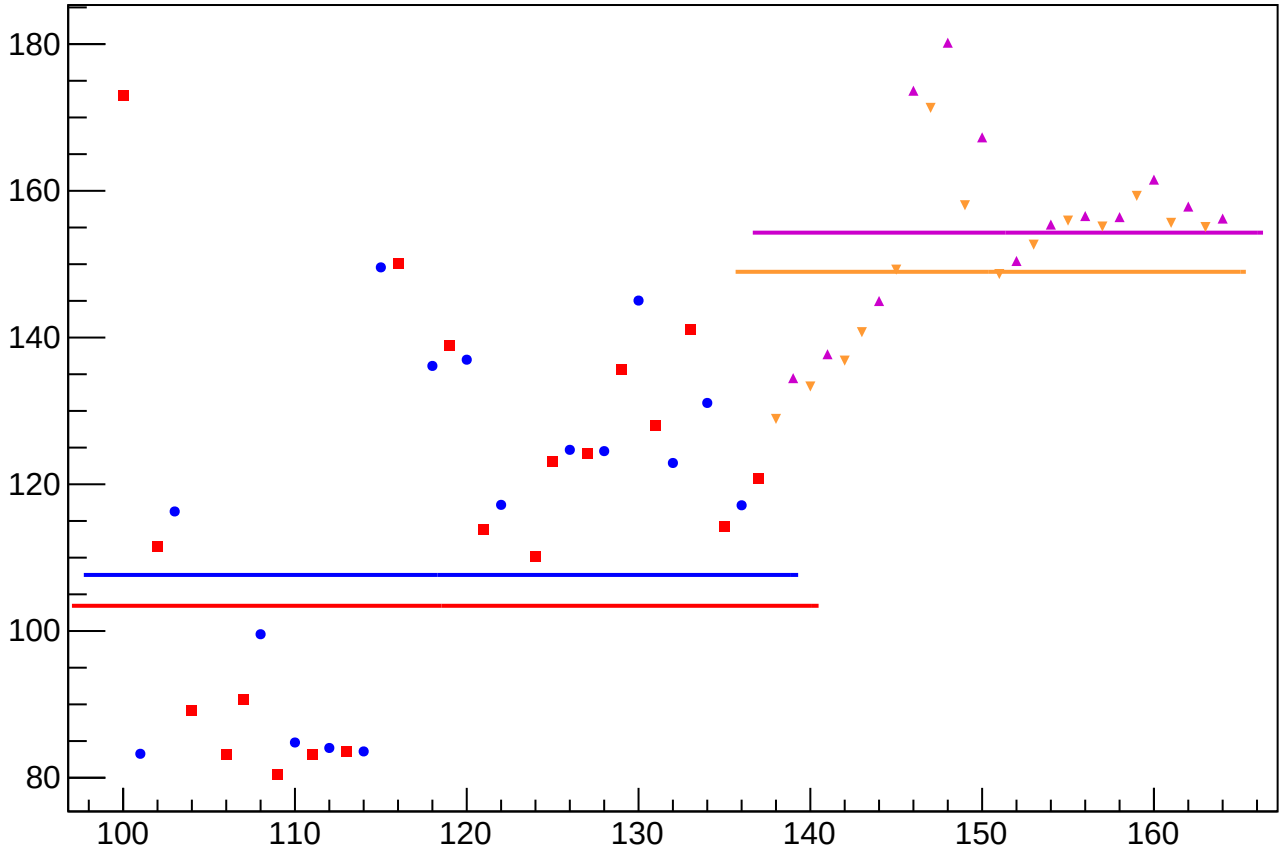
Left In: -341.651+/-46.781 χ^2/NDF:13.7/12

+ sign 95.638+/-30.173 χ^2/NDF: 86.1/29

All: -23.670+/-21.248 χ^2/NDF: 183.1/61

- 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: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

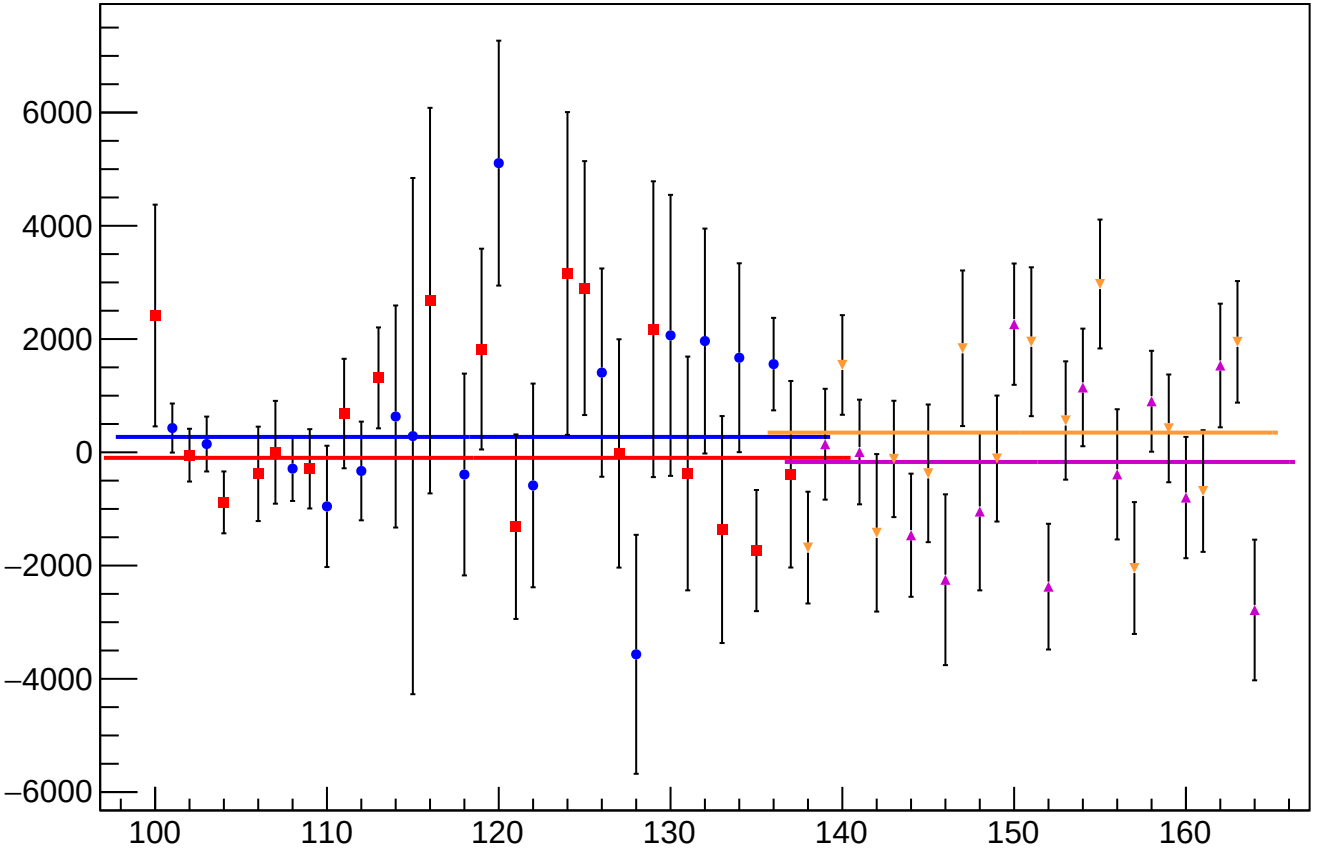
Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 126.516+/-0.021 χ^2/NDF: 1590063.9/29

All: 125.375+/-0.015 χ^2/NDF: 3760777.7/61

- 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: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

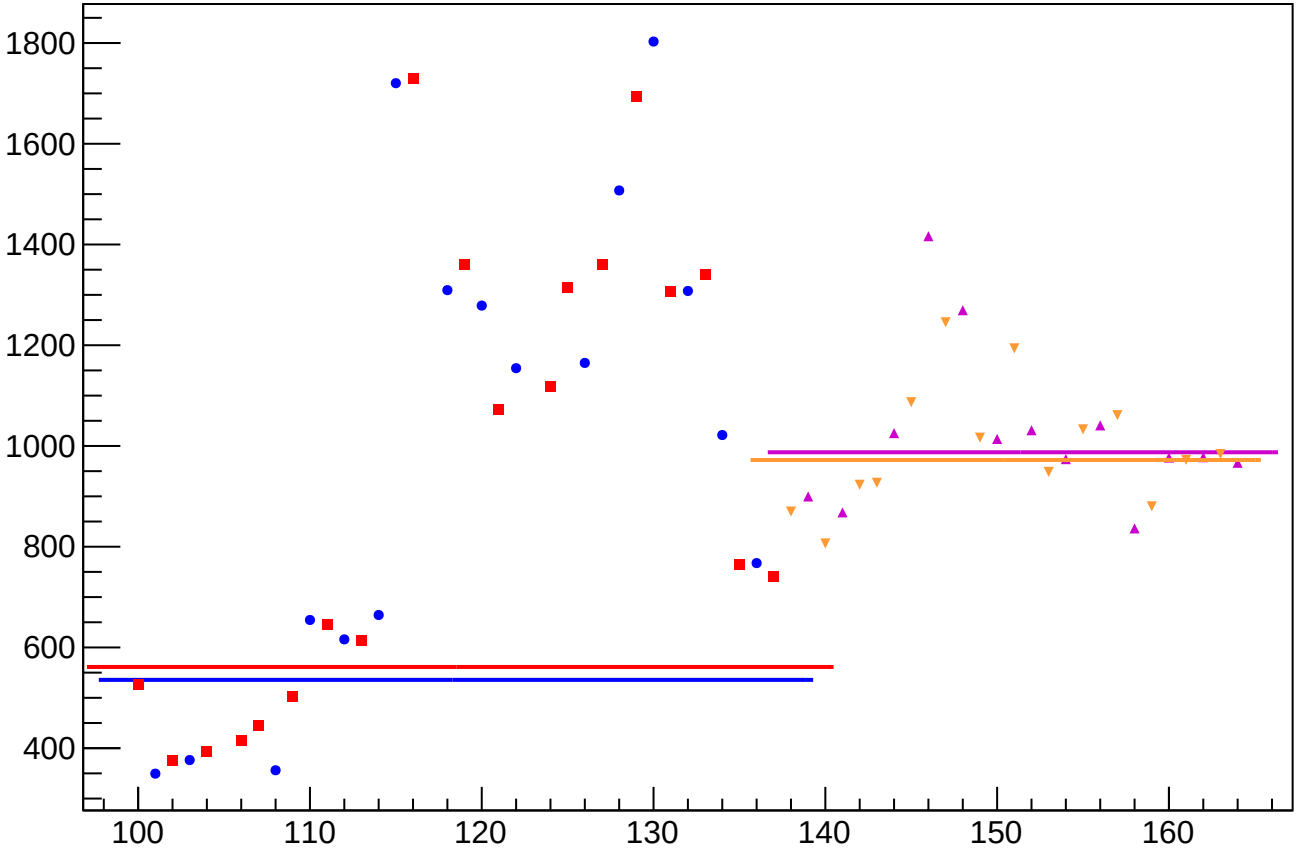
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 300.834+/-181.254 χ^2/NDF: 40.3/29

All: 91.424+/-129.211 χ^2/NDF: 82.5/61

- 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: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

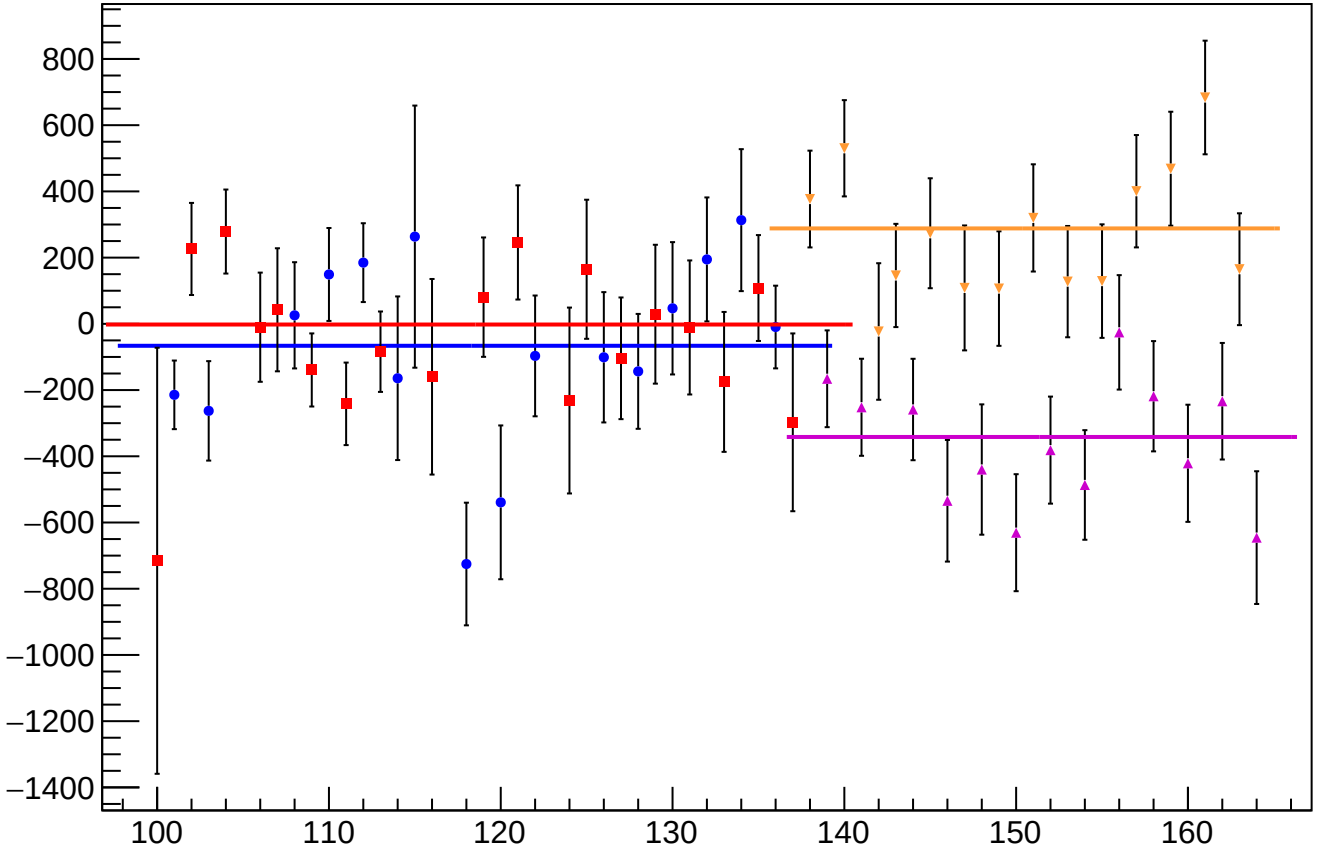
Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

+ sign 702.596+/-0.128 χ^2/NDF: 6664804.7/29

All: 711.390+/-0.091 χ^2/NDF: 12673046.6/61

- 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: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

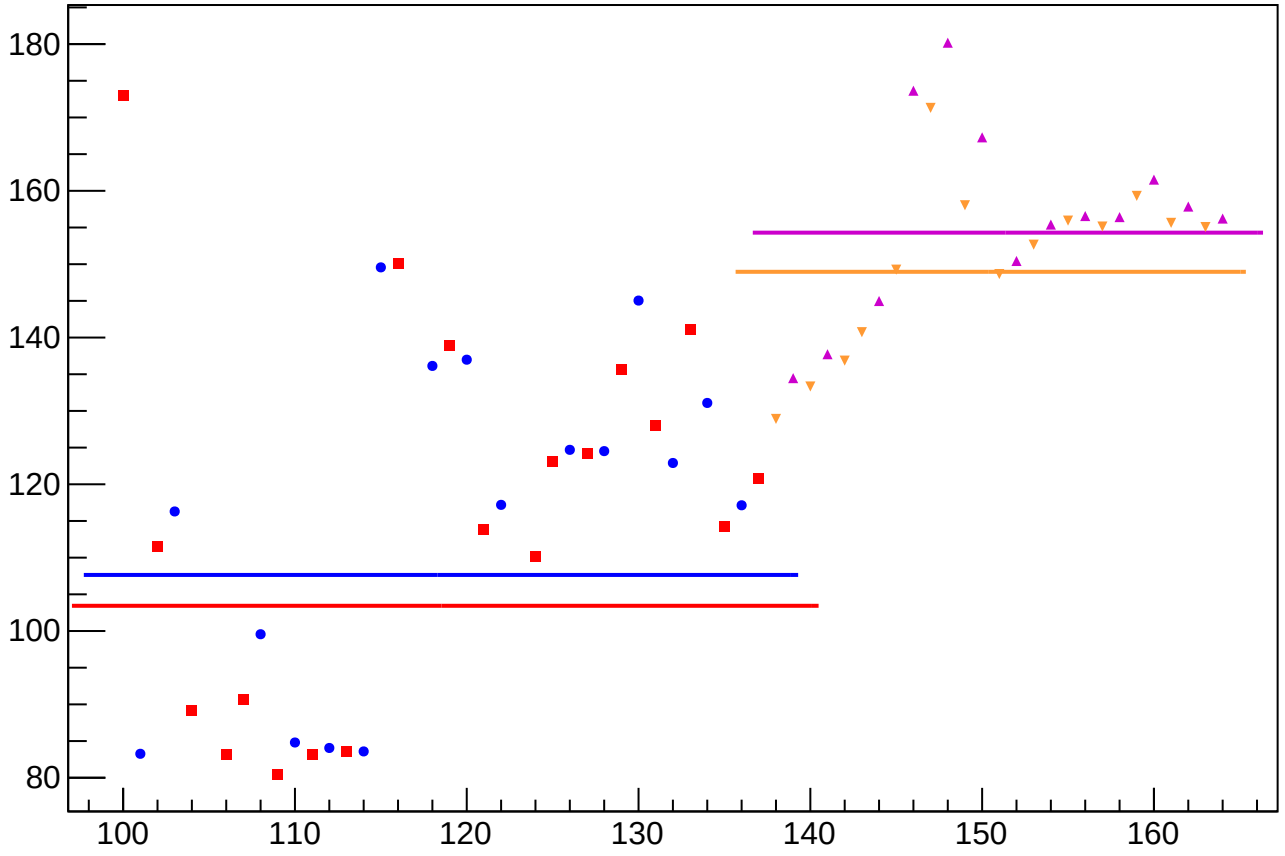
Left In: -341.651+/-46.781 χ^2/NDF:13.7/12

+ sign 95.638+/-30.173 χ^2/NDF: 86.1/29

All: -23.670+/-21.248 χ^2/NDF: 183.1/61

- 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: 148.963+/-0.032 χ^2/NDF:126627.9/13

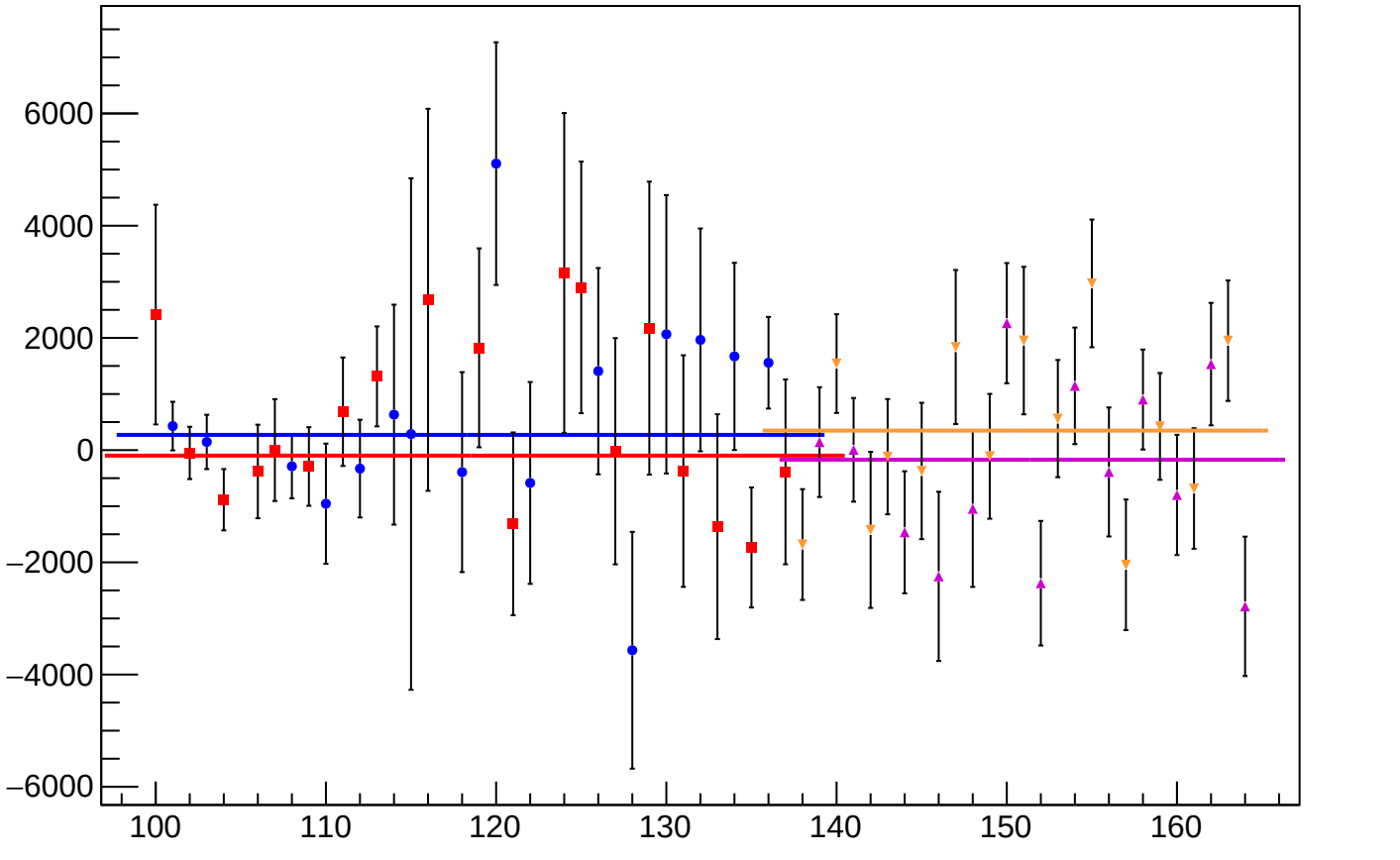
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 126.516+/-0.021 χ^2/NDF: 1590063.9/29

All: 125.375+/-0.015 χ^2/NDF: 3760777.7/61

- sign 124.253+/-0.021 χ^2/NDF: 2165039.2/31



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

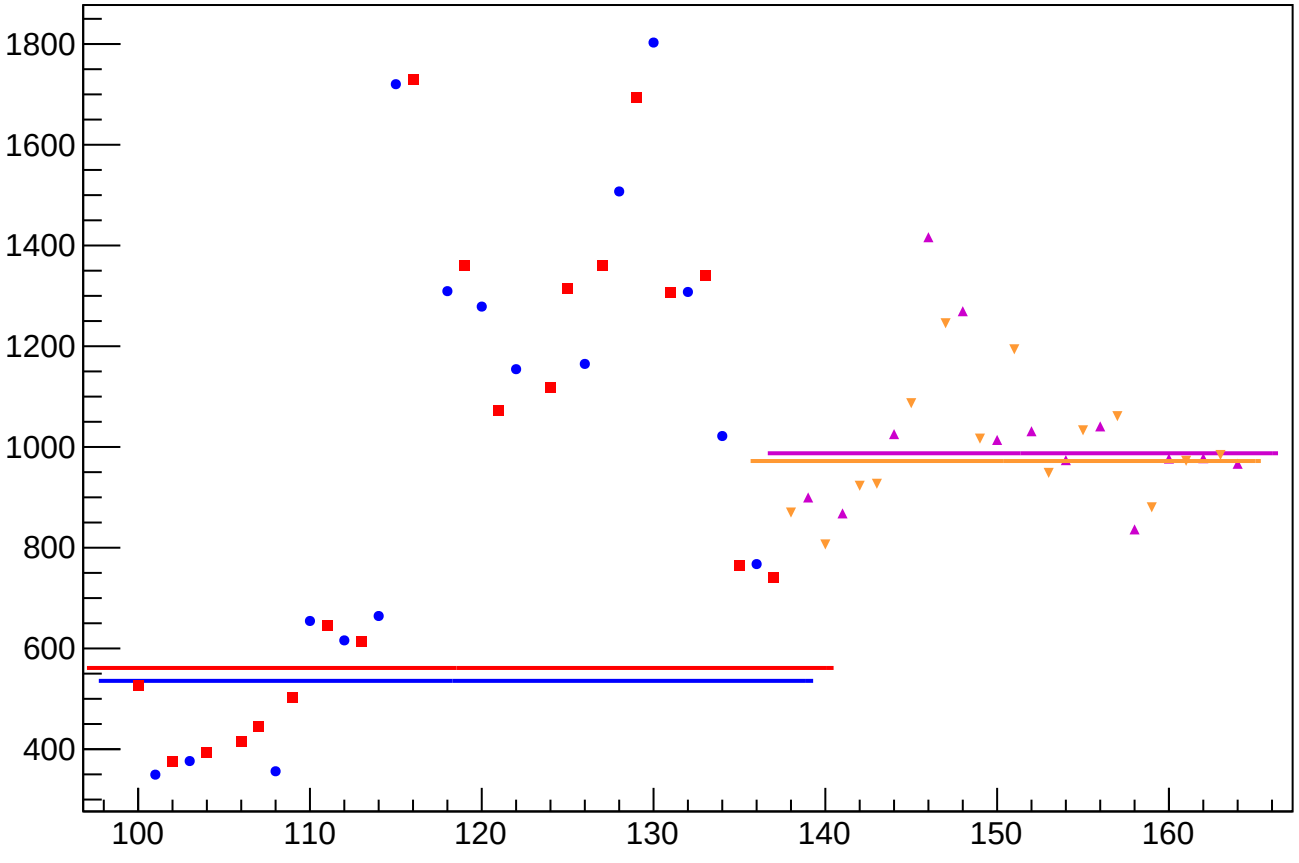
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 300.834+/-181.254 χ^2/NDF: 40.3/29

All: 91.424+/-129.211 χ^2/NDF: 82.5/61

- 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: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

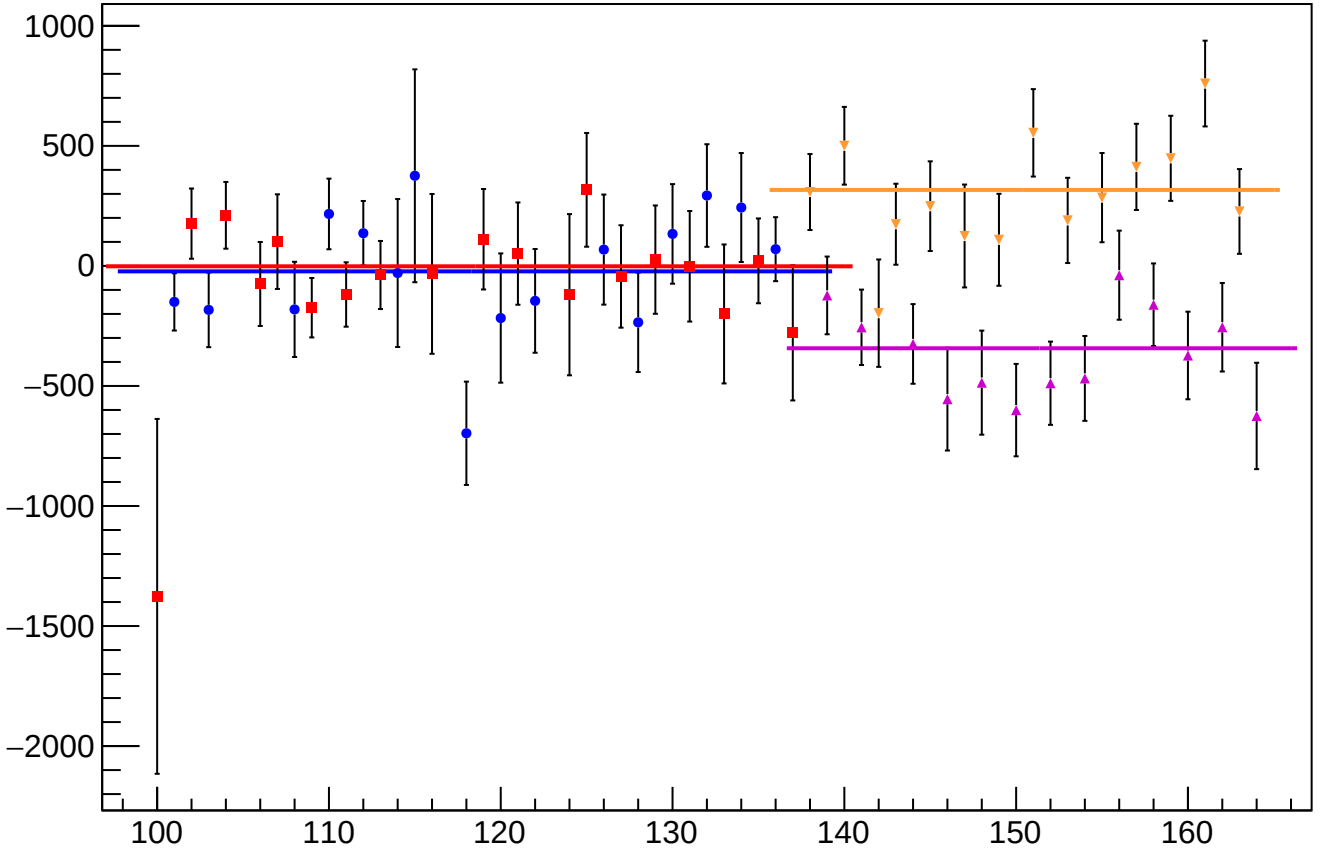
Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

+ sign 702.596+/-0.128 χ^2/NDF: 6664804.7/29

All: 711.390+/-0.091 χ^2/NDF: 12673046.6/61

- 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: 316.534+/-48.335 χ^2/NDF:18.9/13

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

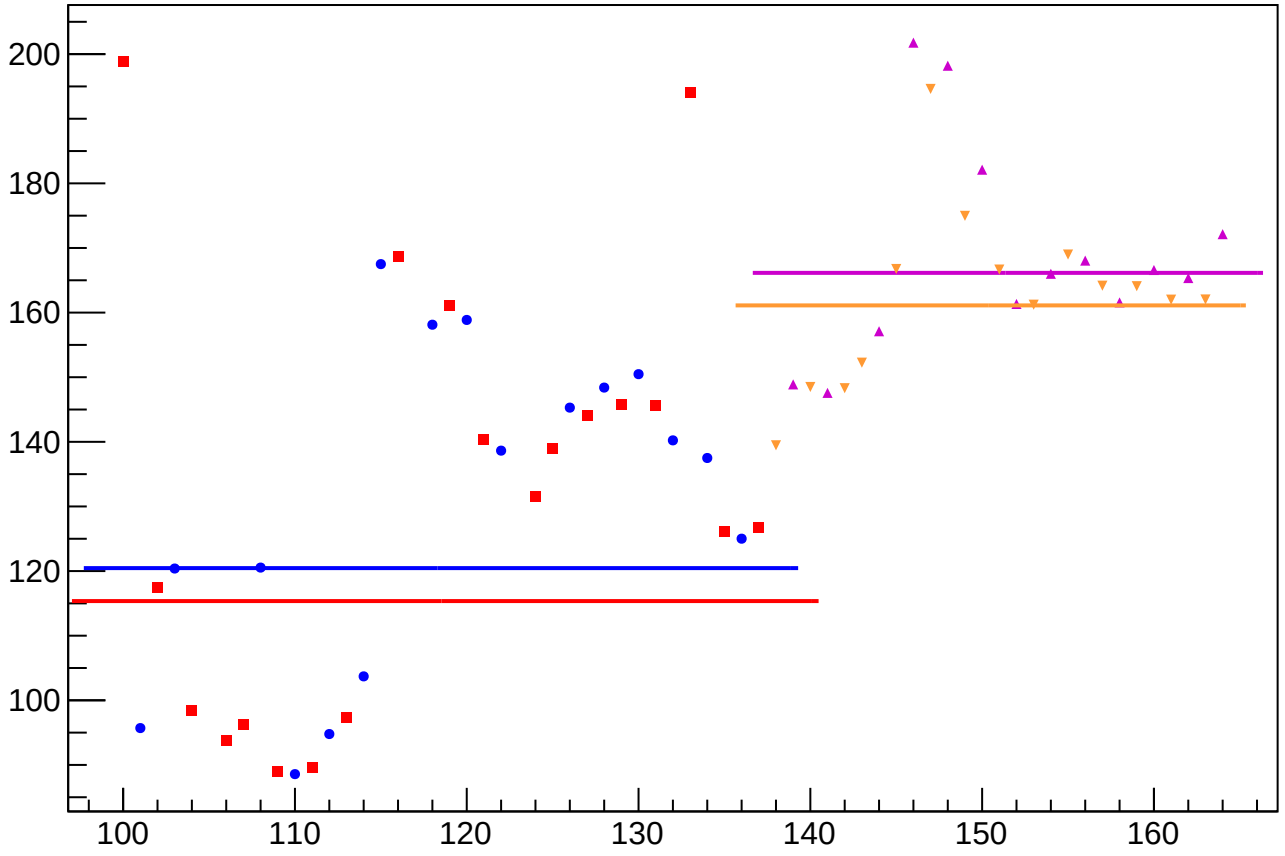
Left In: -343.010+/-50.438 χ^2/NDF:12.3/12

+ sign 138.201+/-33.287 χ^2/NDF: 69.0/29

All: -6.006+/-23.424 χ^2/NDF: 158.9/61

- 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: 161.114+/-0.034 χ^2/NDF:129562.2/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

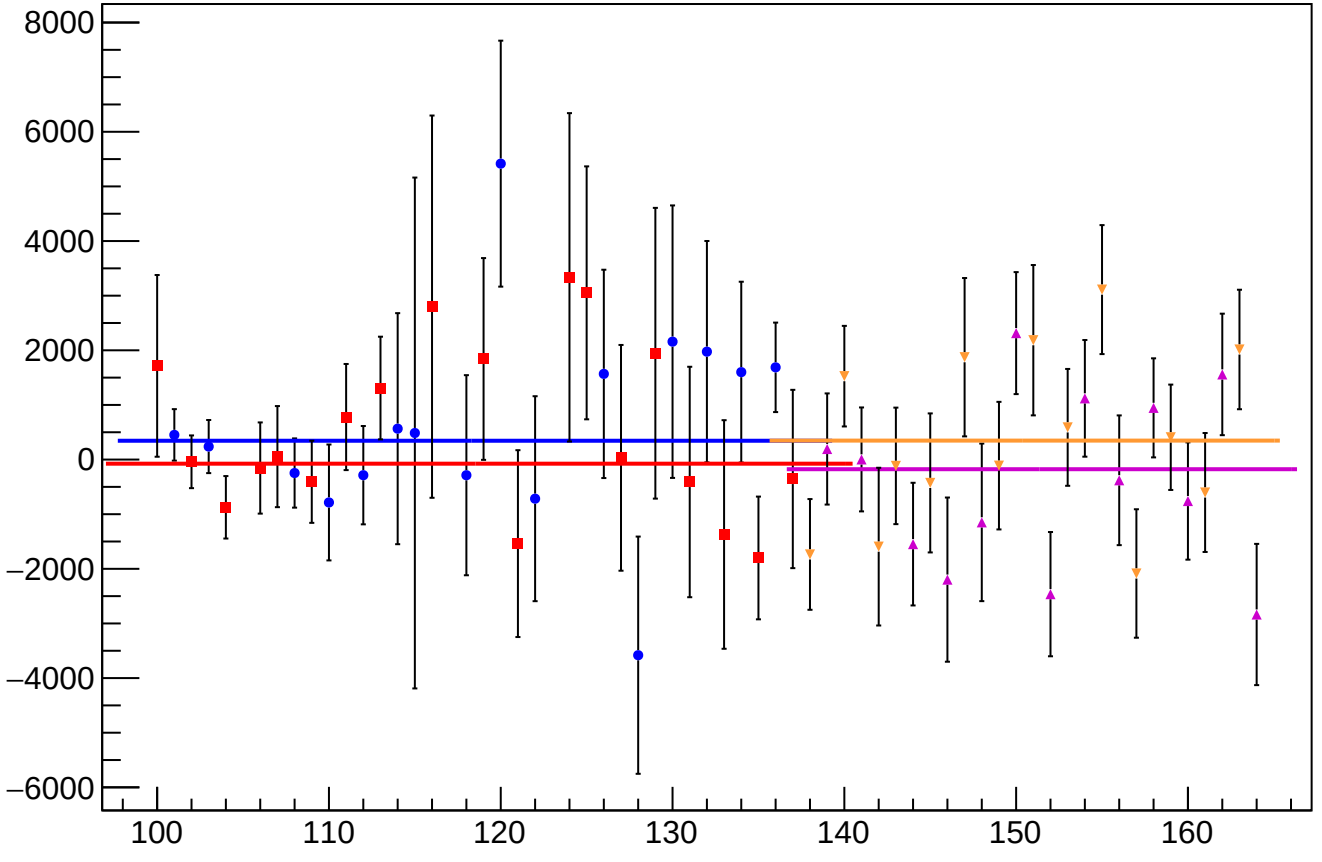
Left In: 166.149+/-0.036 χ^2/NDF:174264.1/12

+ sign 139.740+/-0.024 χ^2/NDF: 1403812.5/29

All: 138.386+/-0.017 χ^2/NDF: 3513500.9/61

- 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: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

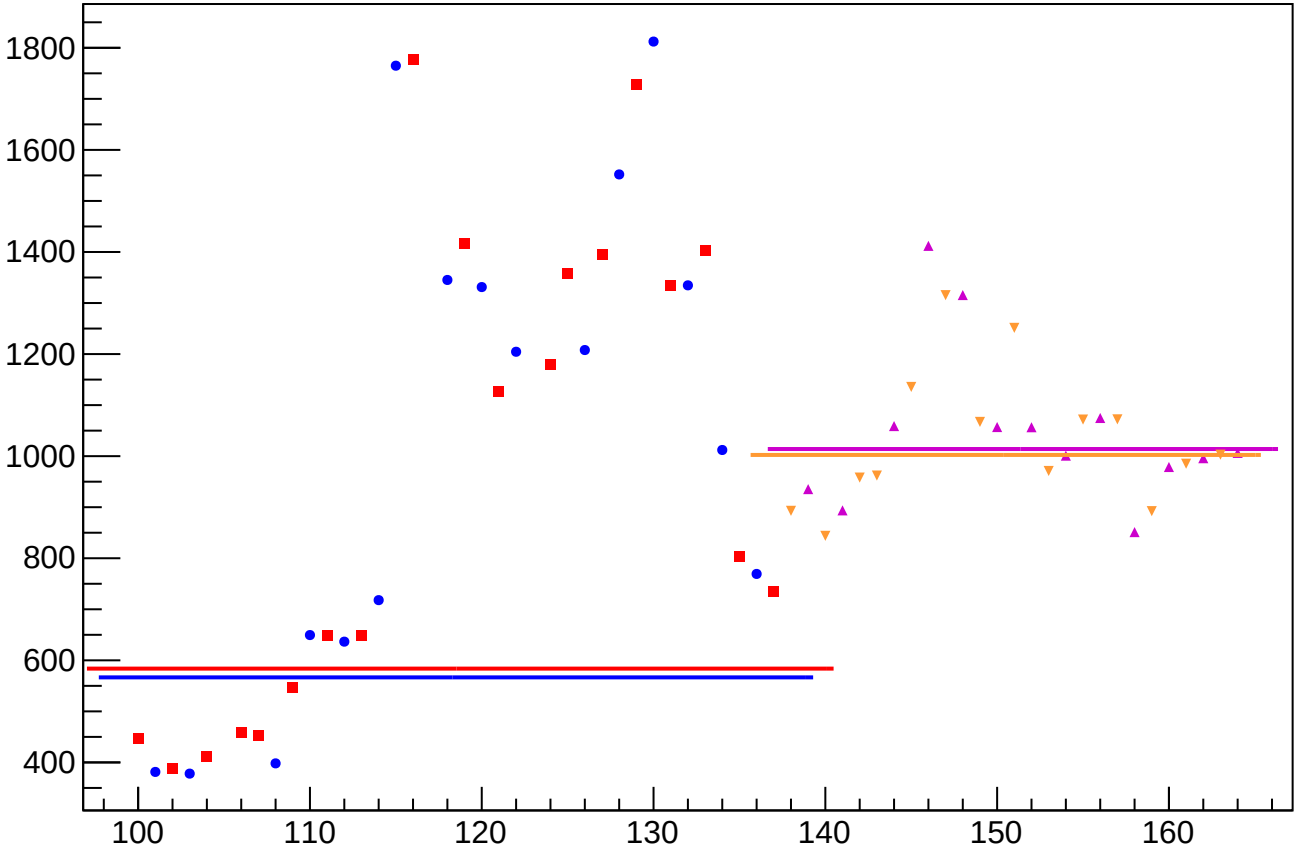
Left In: -176.509+/-309.472 χ^2/NDF:22.9/12

+ sign 345.529+/-188.714 χ^2/NDF: 40.4/29

All: 117.444+/-133.854 χ^2/NDF: 81.6/61

- 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: 1002.393+/-0.214 χ^2/NDF:316438.3/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

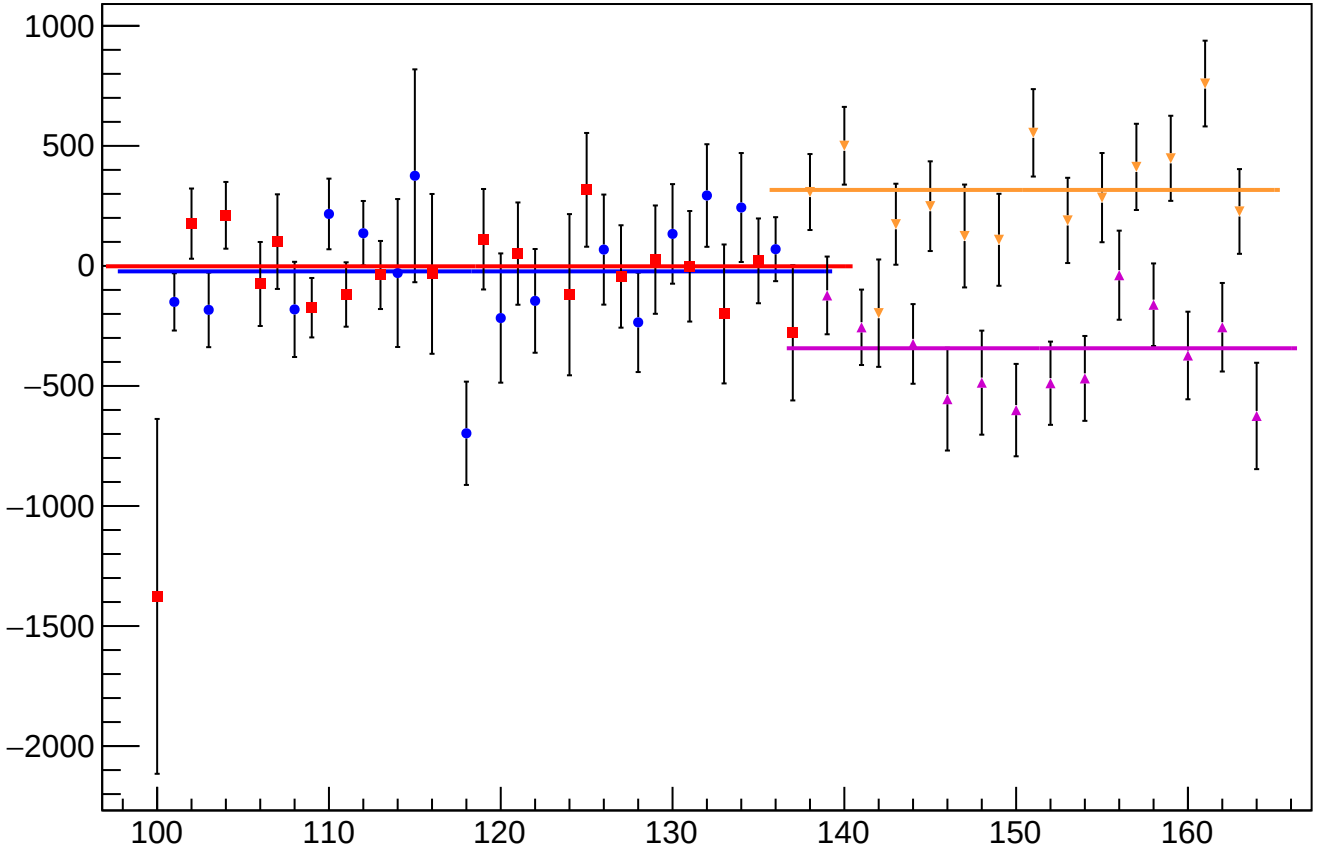
Left In: 1013.992+/-0.219 χ^2/NDF:353374.6/12

+ sign 736.358+/-0.133 χ^2/NDF: 6285057.6/29

All: 741.030+/-0.095 χ^2/NDF: 12158136.2/61

- 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: 316.535+/-48.335 χ^2/NDF:18.9/13

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

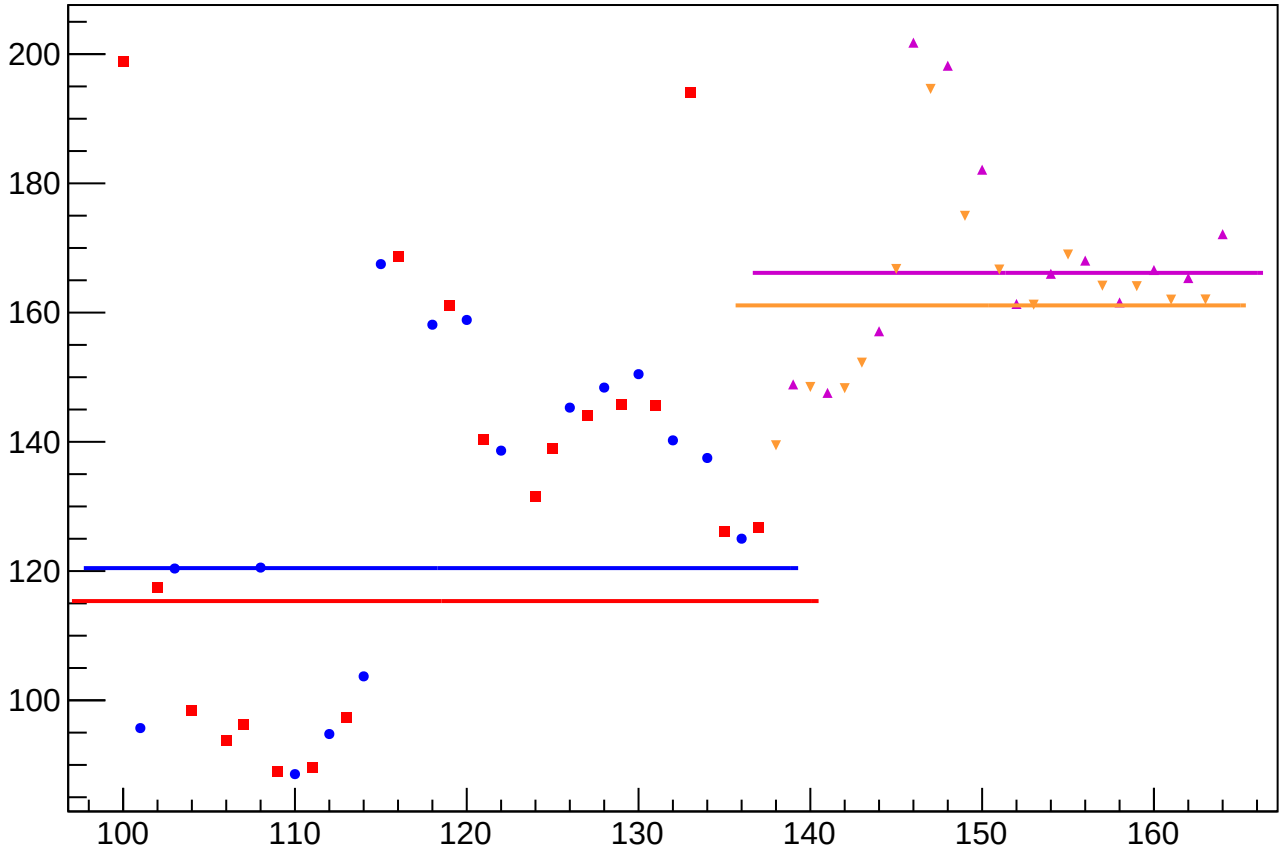
Left In: -343.010+/-50.438 χ^2/NDF:12.3/12

+ sign 138.200+/-33.287 χ^2/NDF: 69.0/29

All: -6.007+/-23.424 χ^2/NDF: 158.9/61

- 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: 161.114+/-0.034 χ^2/NDF:129561.3/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

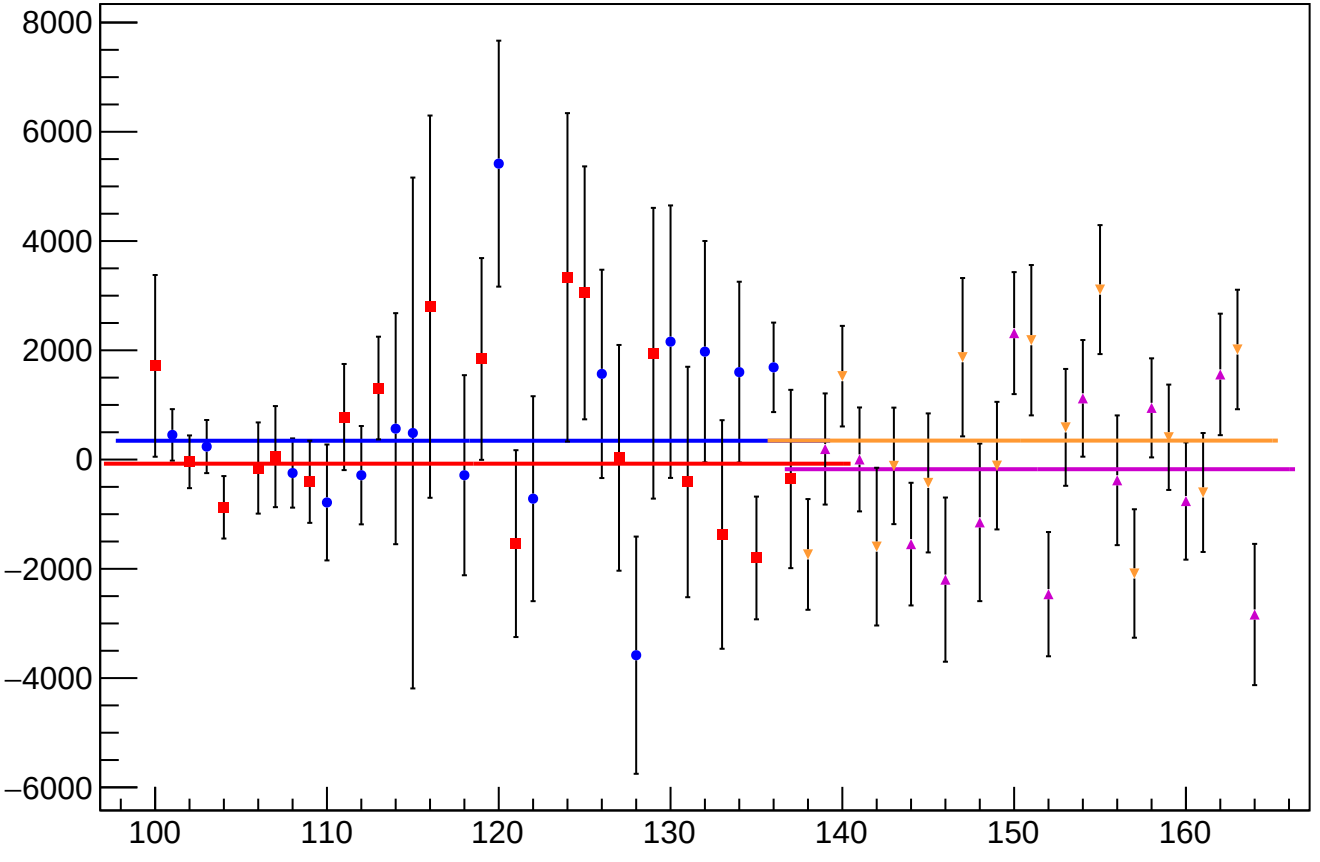
Left In: 166.149+/-0.036 χ^2/NDF:174264.6/12

+ sign 139.740+/-0.024 χ^2/NDF: 1403819.5/29

All: 138.386+/-0.017 χ^2/NDF: 3513511.6/61

- 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: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

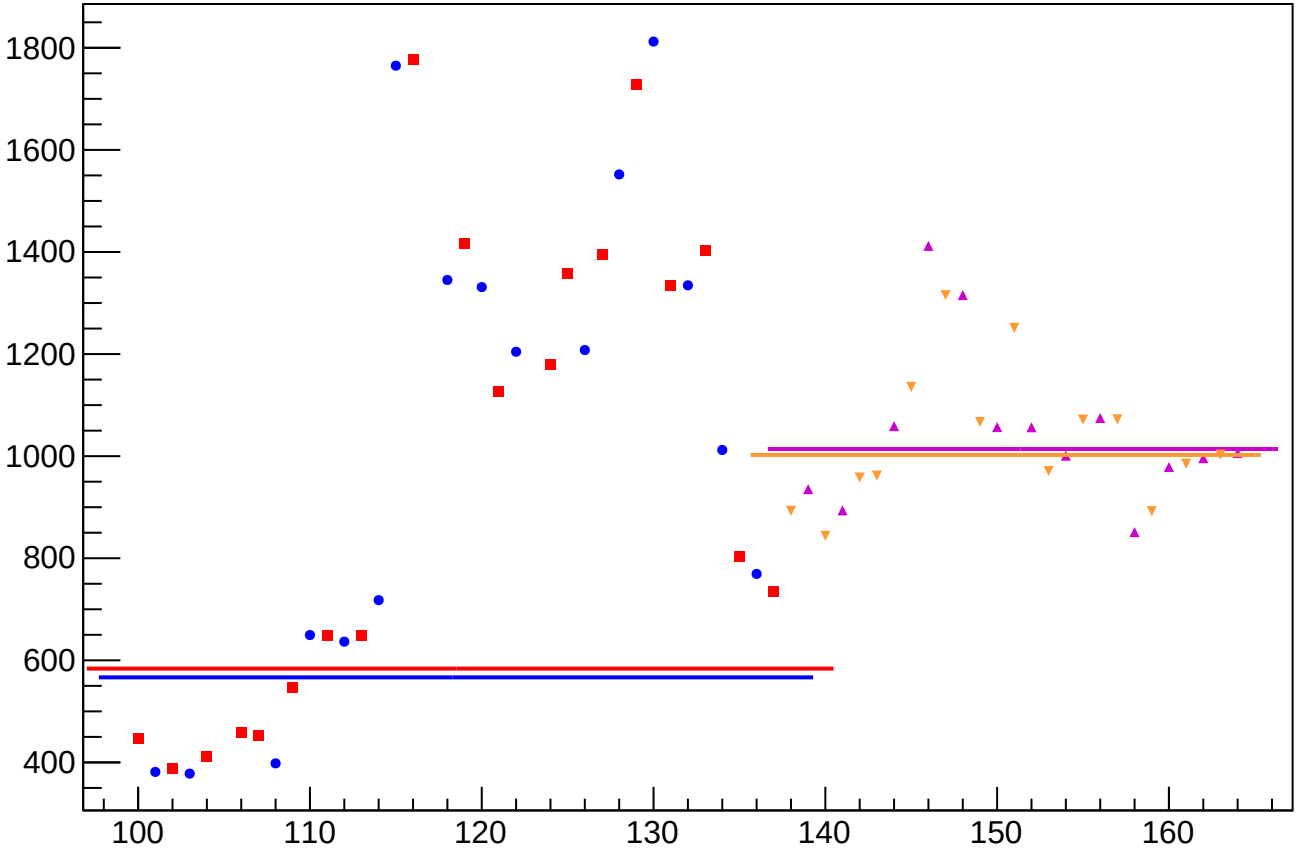
Left In: -176.509+/-309.472 χ^2/NDF:22.9/12

+ sign 345.529+/-188.714 χ^2/NDF: 40.4/29

All: 117.443+/-133.854 χ^2/NDF: 81.6/61

- 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: 1002.393+/-0.214 χ^2/NDF:316440.6/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

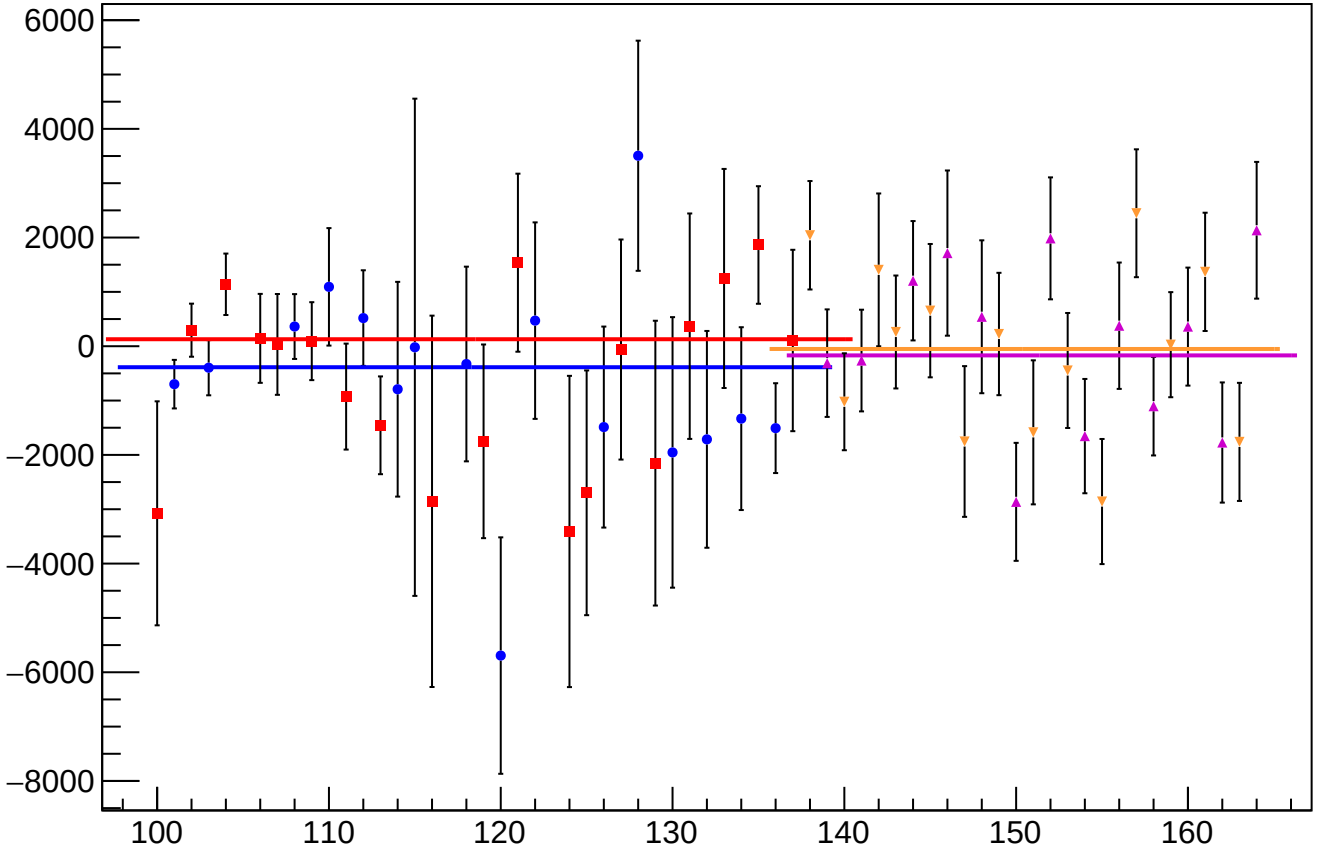
Left In: 1013.992+/-0.219 χ^2/NDF:353377.4/12

+ sign 736.357+/-0.133 χ^2/NDF: 6285073.4/29

All: 741.029+/-0.095 χ^2/NDF: 12158159.9/61

- 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: -50.742+/-296.611 χ^2/NDF:24.8/13

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

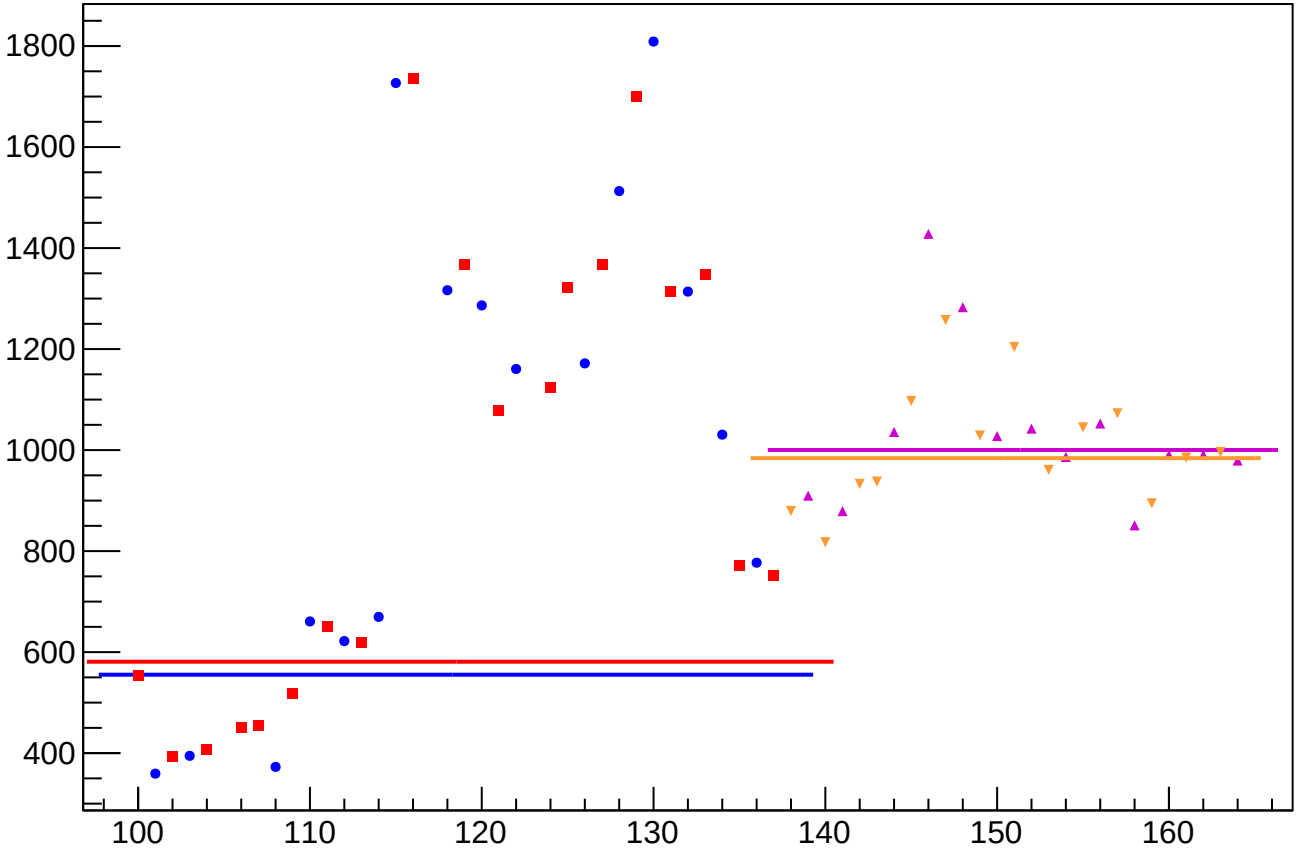
Left In: -168.952+/-305.248 χ^2/NDF:22.2/12

+ sign -255.327+/-185.404 χ^2/NDF: 43.5/29

All: -121.437+/-131.942 χ^2/NDF: 86.7/61

- 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: 984.065+/-0.210 χ^2/NDF:286805.8/13

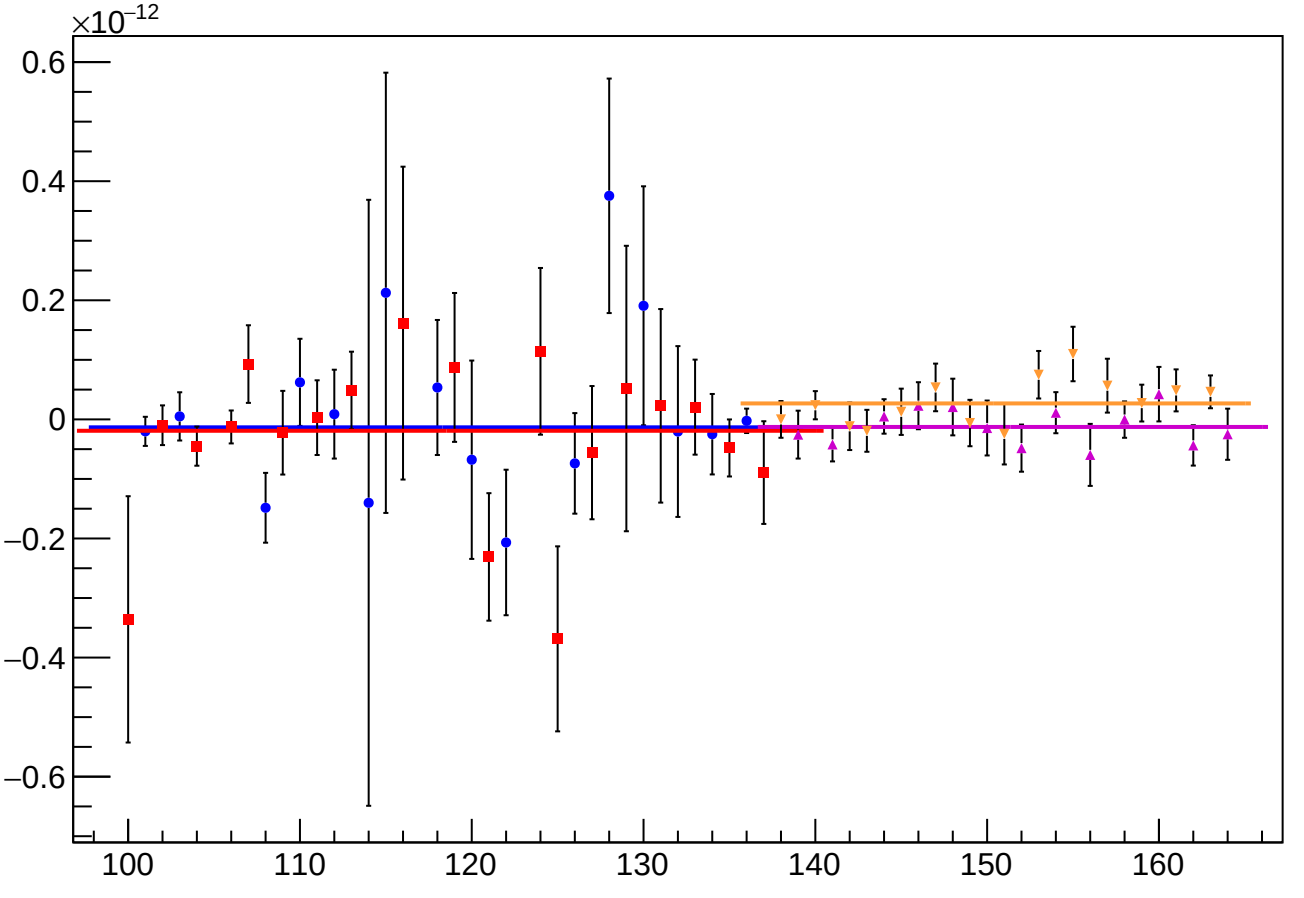
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1000.151+/-0.216 χ^2/NDF:355190.3/12

+ sign 722.821+/-0.131 χ^2/NDF: 6315753.1/29

All: 731.137+/-0.093 χ^2/NDF: 12006227.8/61

- 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:11.8/13

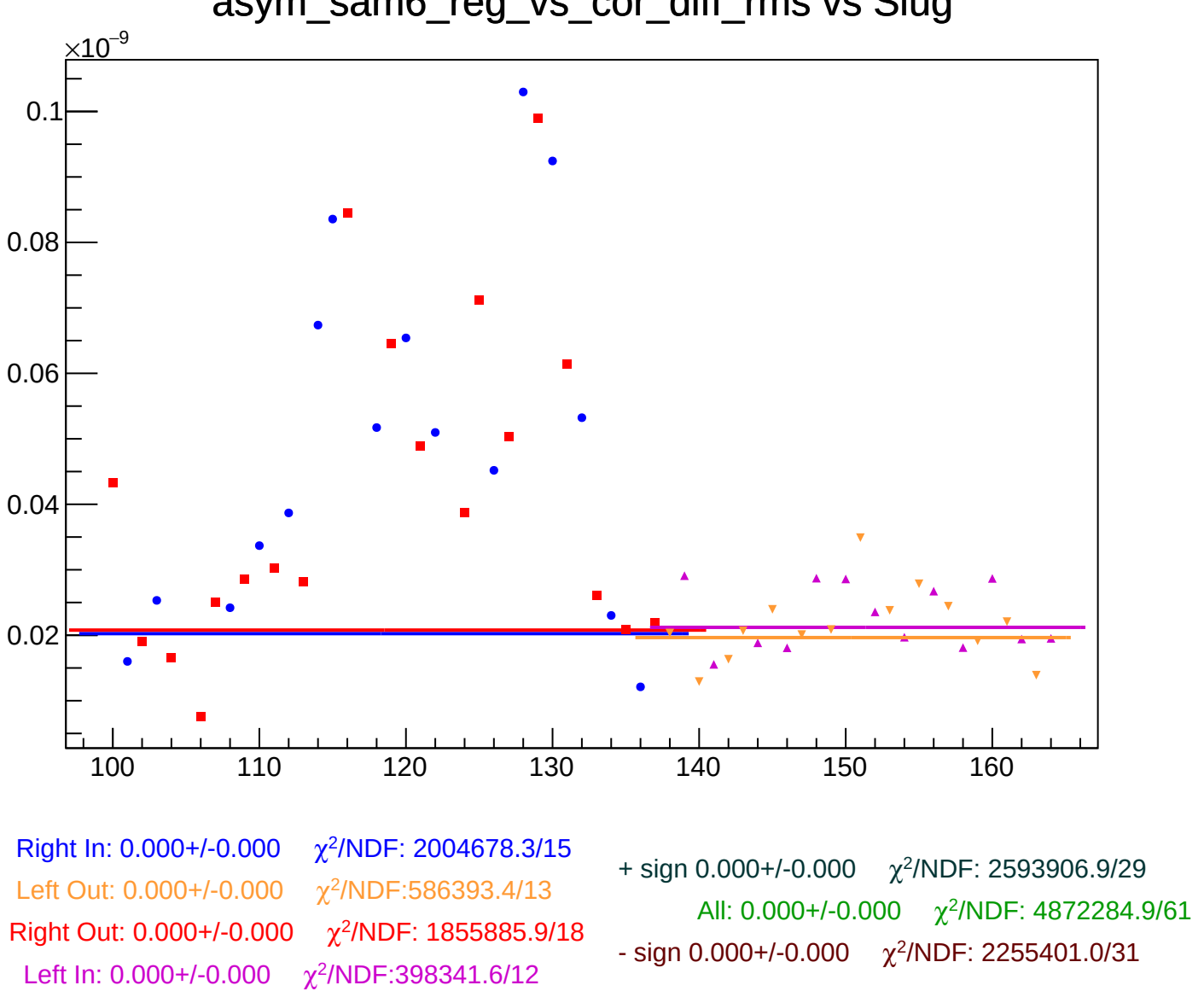
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

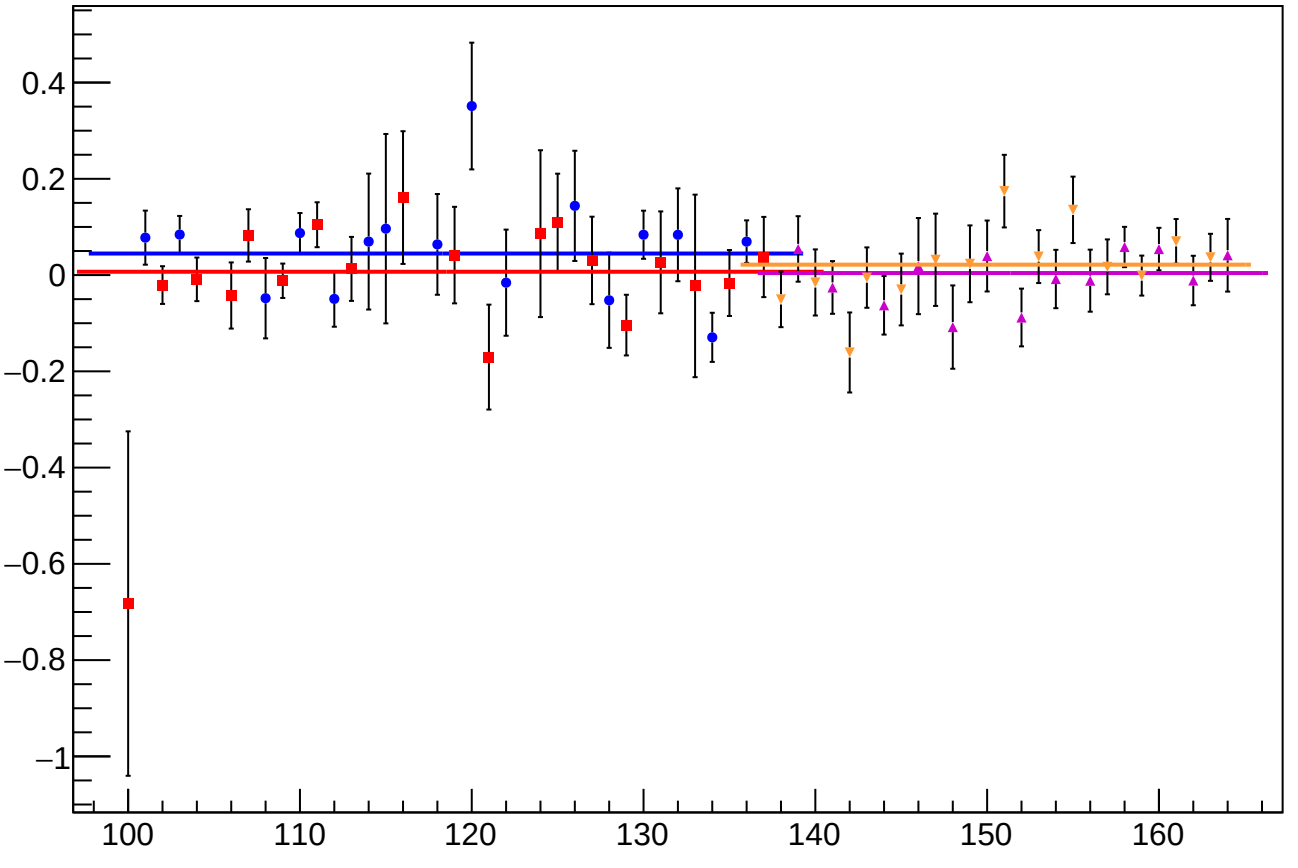
Left In: -0.000+/-0.000 χ^2/NDF:7.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/29

All: 0.000+/-0.000 χ^2/NDF: 67.6/61

- 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:586393.4/13
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: 2593906.9/29
All: 0.000+/-0.000 χ²/NDF: 4872284.9/61
- sign 0.000+/-0.000 χ²/NDF: 2255401.0/31



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

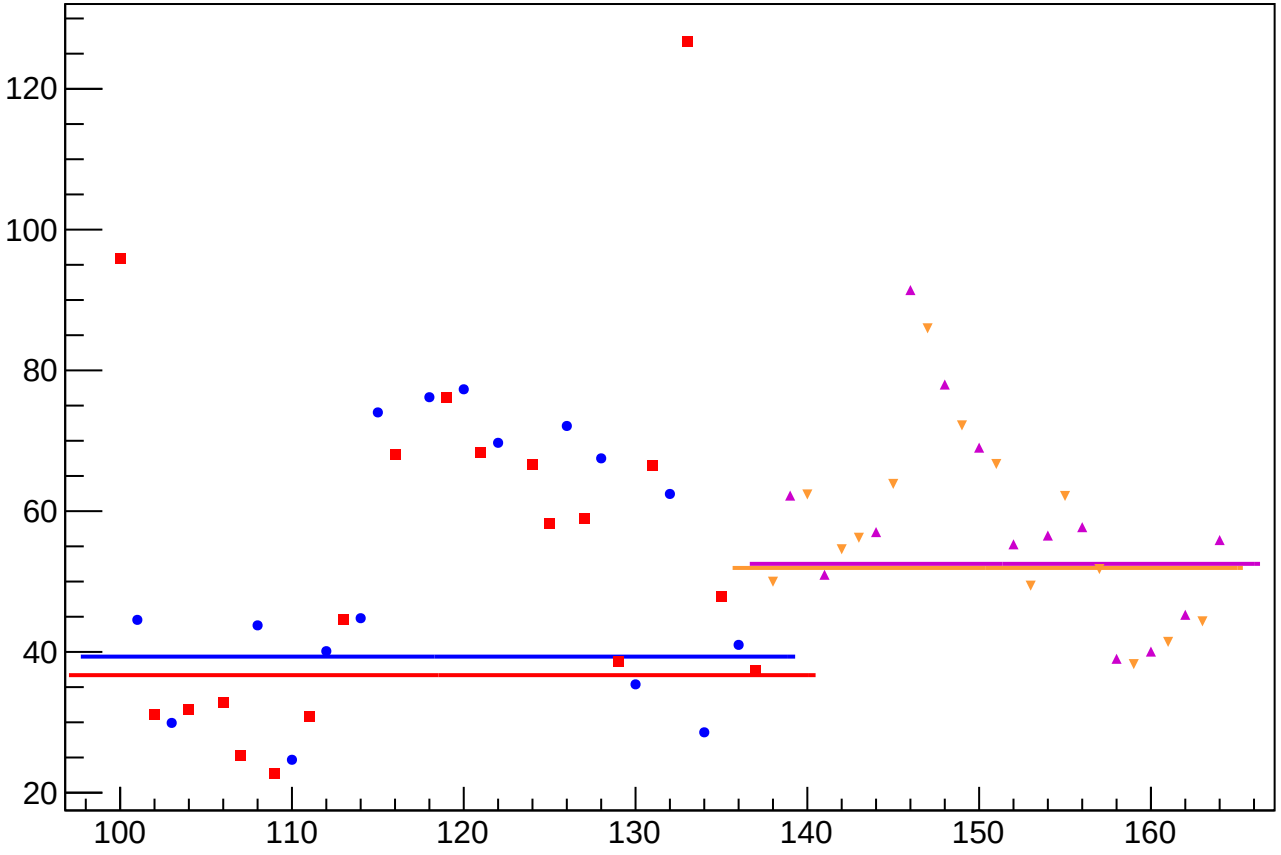
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.3/61

- 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: 51.932+/-0.011 χ^2/NDF:984493.7/13

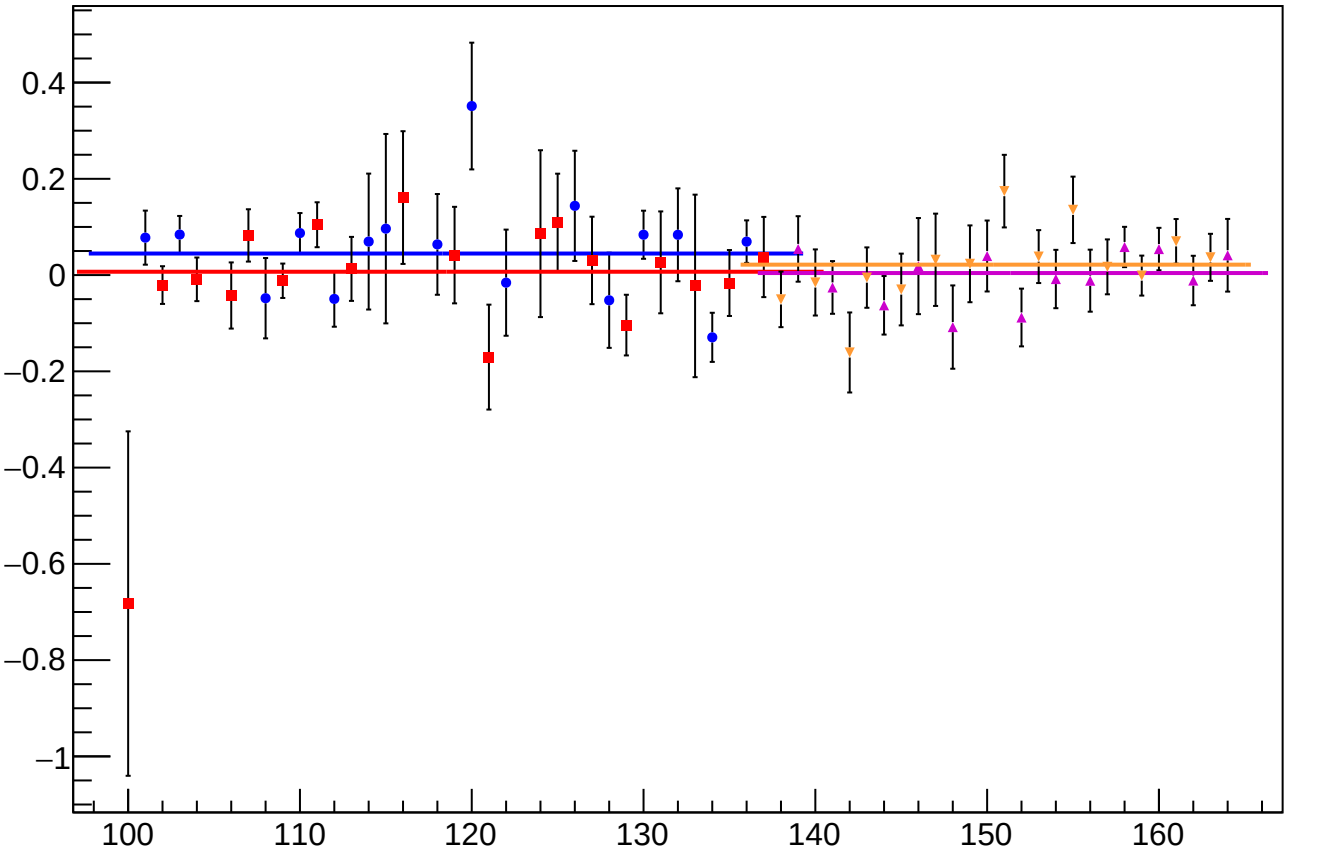
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

+ sign 45.592+/-0.008 χ^2/NDF: 3165209.5/29

All: 44.734+/-0.006 χ^2/NDF: 7350712.8/61

- 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: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

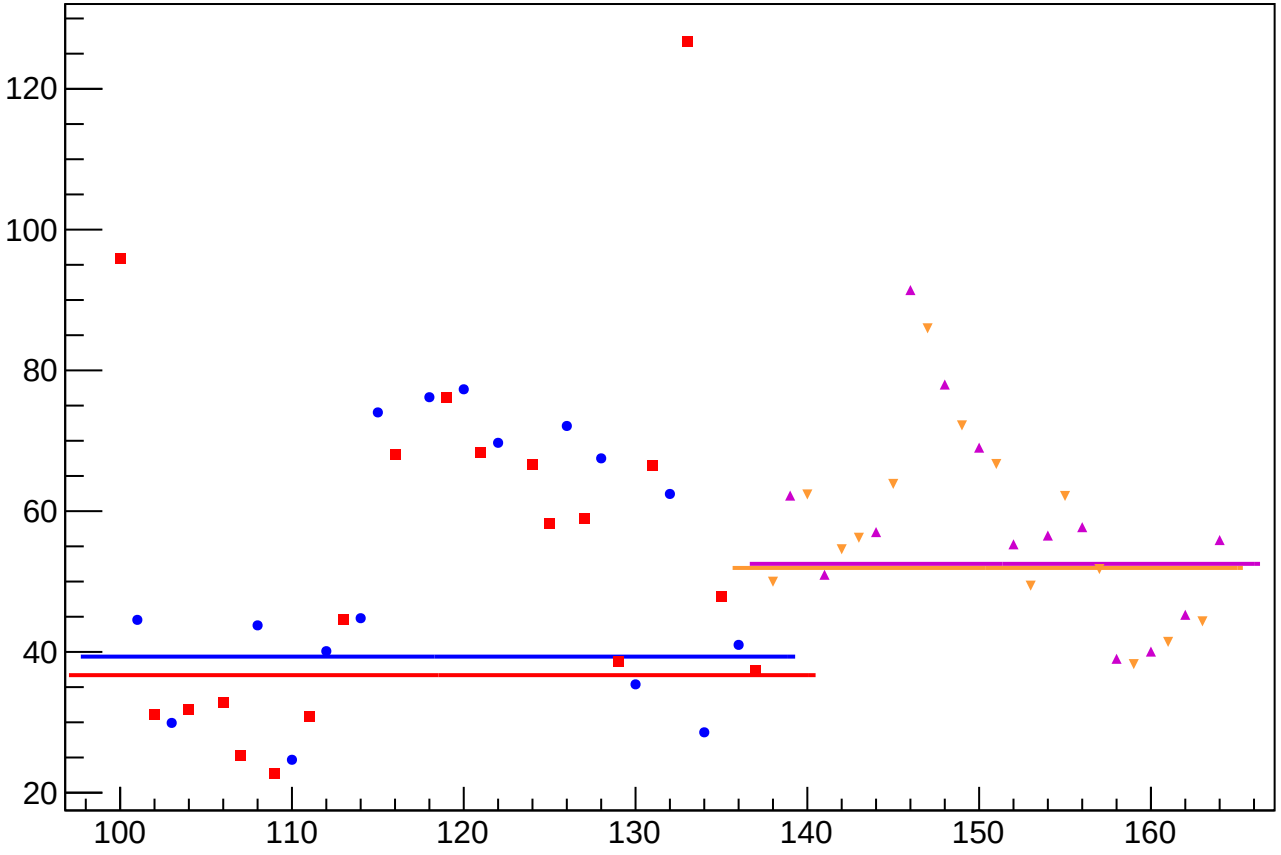
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.3/61

- 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: 51.932+/-0.011 χ^2/NDF:984493.7/13

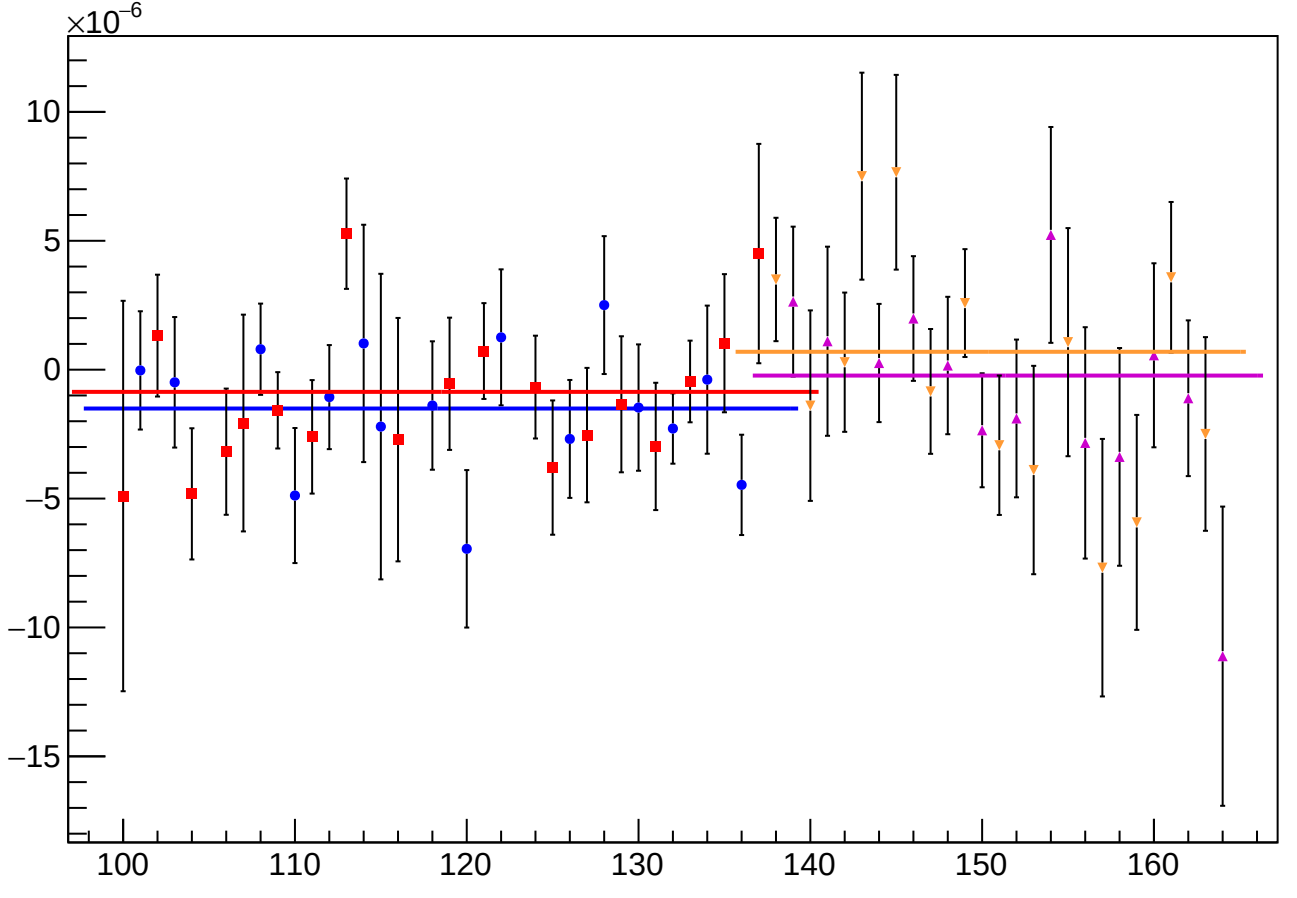
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

+ sign 45.592+/-0.008 χ^2/NDF: 3165209.5/29

All: 44.734+/-0.006 χ^2/NDF: 7350712.8/61

- 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:19.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

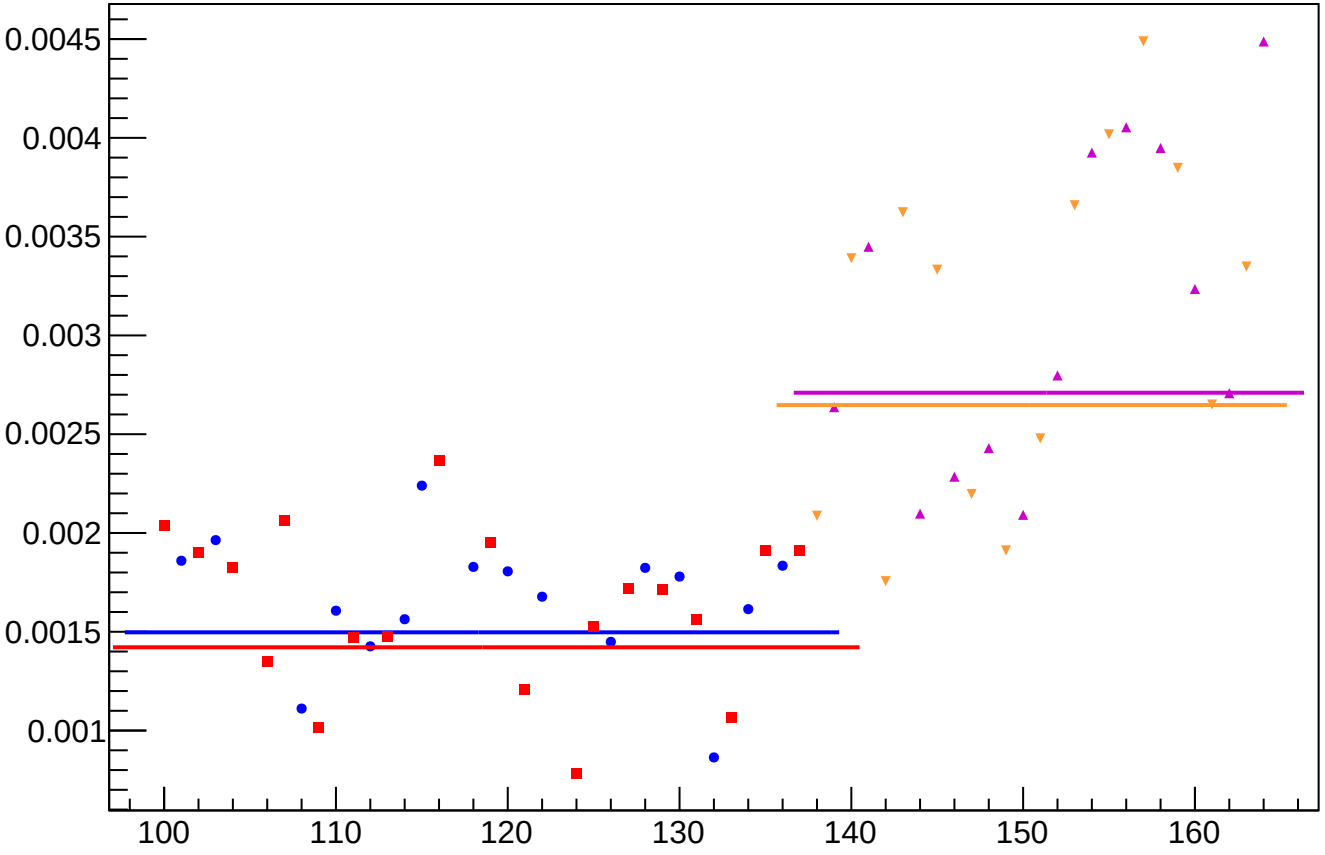
Left In: -0.000+/-0.000 χ^2/NDF:9.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/29

All: -0.000+/-0.000 χ^2/NDF: 66.9/61

- 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:1740553.6/13

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

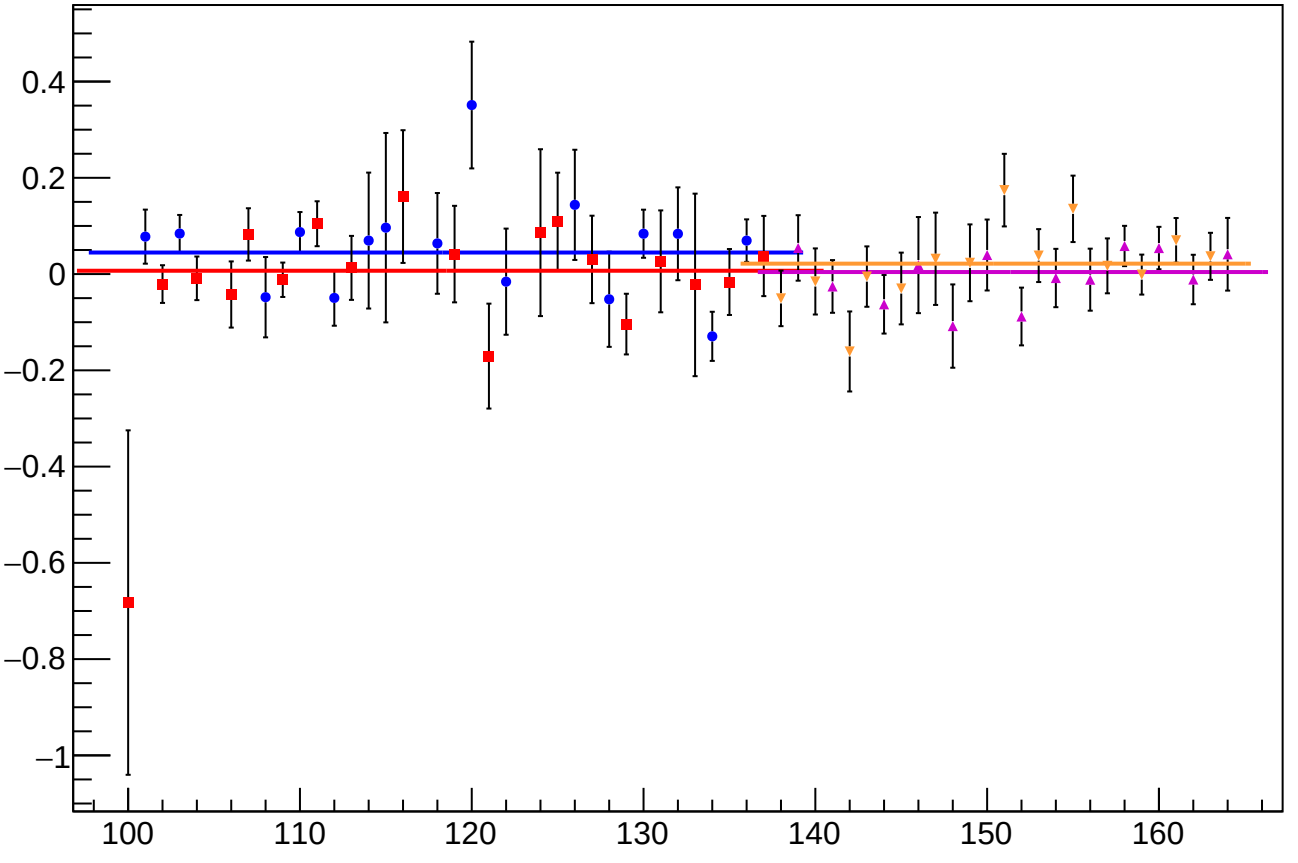
Left In: 0.003+/-0.000 χ^2/NDF:1217387.8/12

+ sign 0.002+/-0.000 χ^2/NDF: 5185127.1/29

All: 0.002+/-0.000 χ^2/NDF: 10695880.0/61

- sign 0.002+/-0.000 χ^2/NDF: 5481720.4/31

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

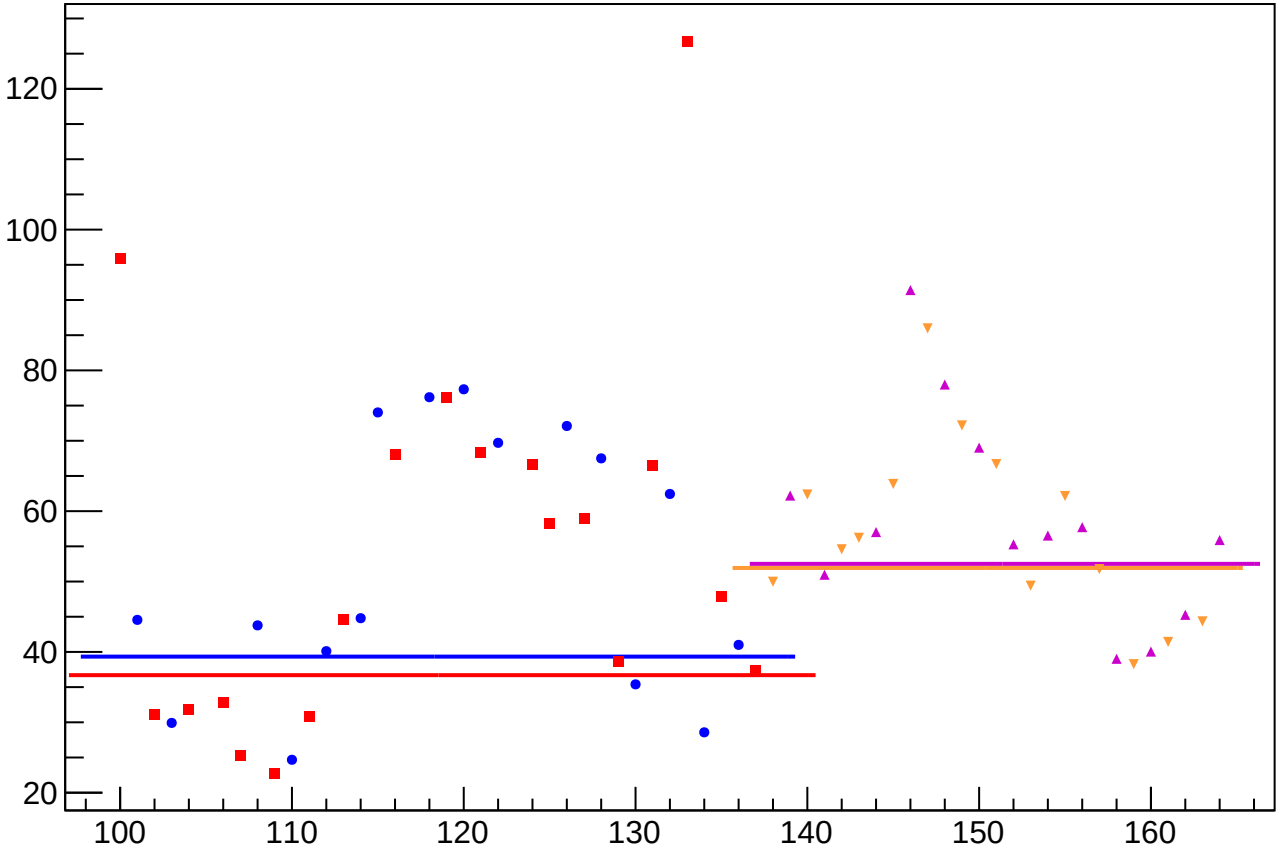
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.3/61

- sign 0.006+/-0.011 χ^2/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: 51.931+/-0.011 χ^2/NDF:984562.0/13

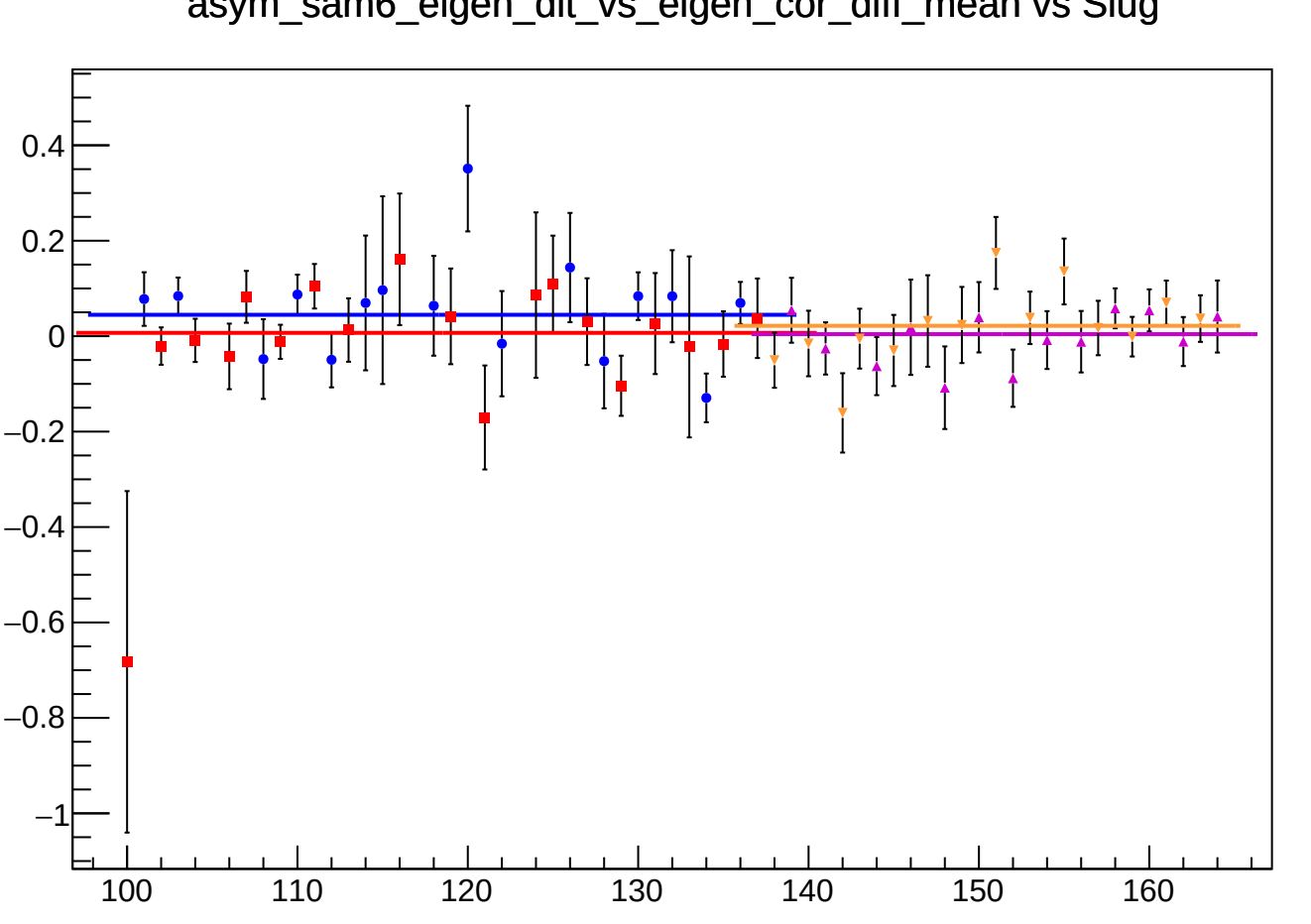
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

+ sign 45.591+/-0.008 χ^2/NDF: 3165272.5/29

All: 44.733+/-0.006 χ^2/NDF: 7350796.6/61

- 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: 0.022+/-0.016 χ^2/NDF:15.8/13

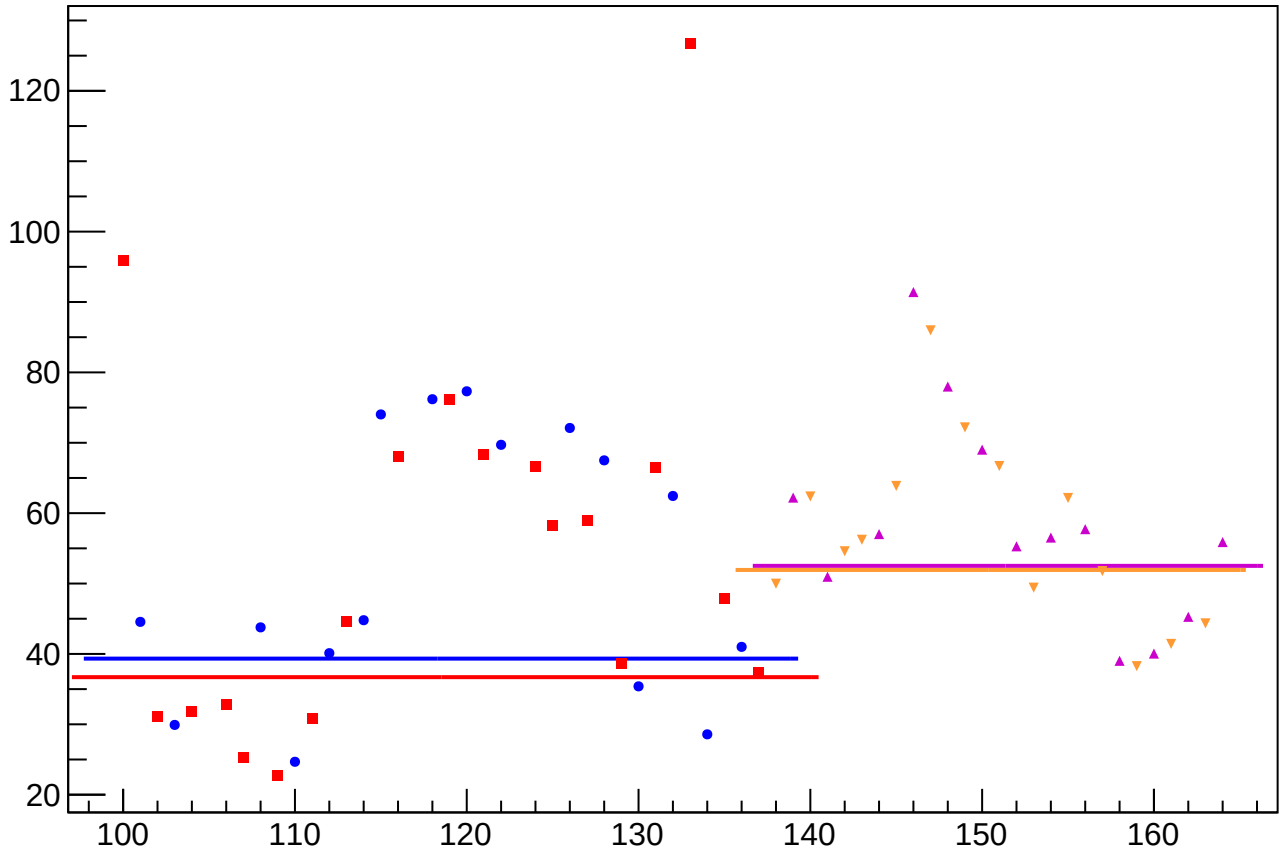
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.3/61

- sign 0.006+/-0.011 χ^2/NDF: 29.9/31



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

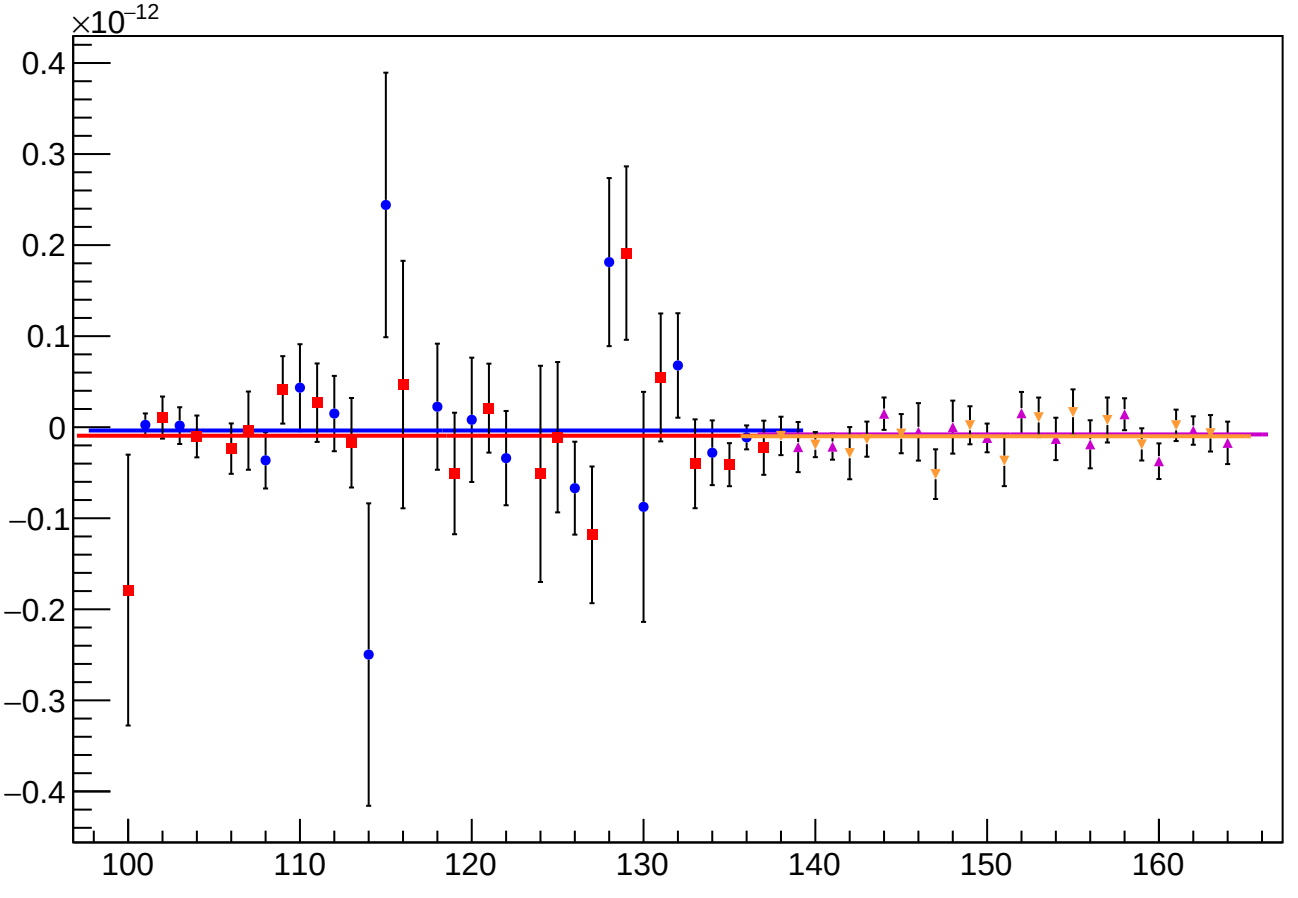
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

+ sign 45.591+/-0.008 χ^2/NDF: 3165272.5/29

All: 44.733+/-0.006 χ^2/NDF: 7350796.6/61

- sign 43.908+/-0.008 χ^2/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:7.8/13

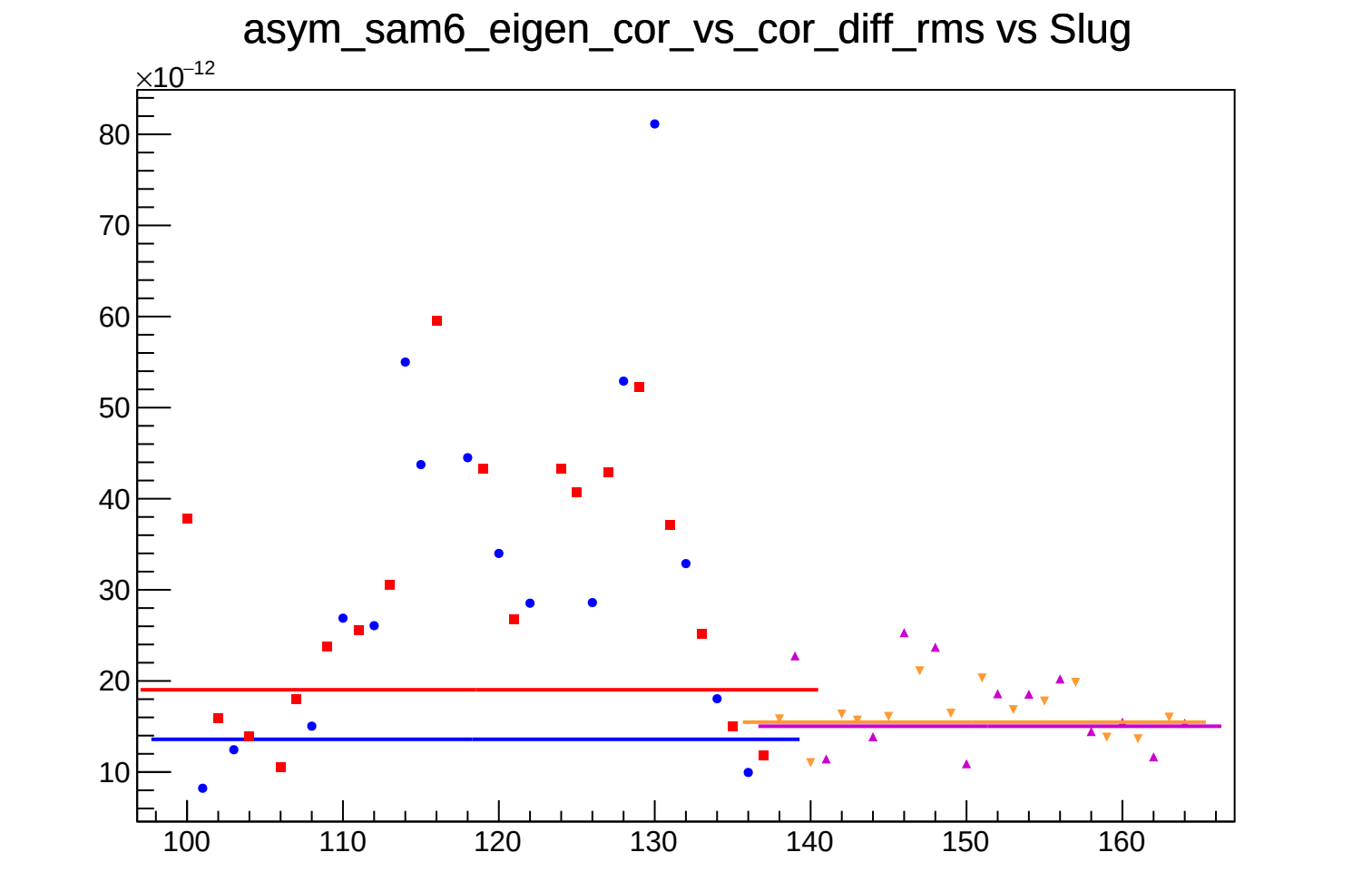
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/12

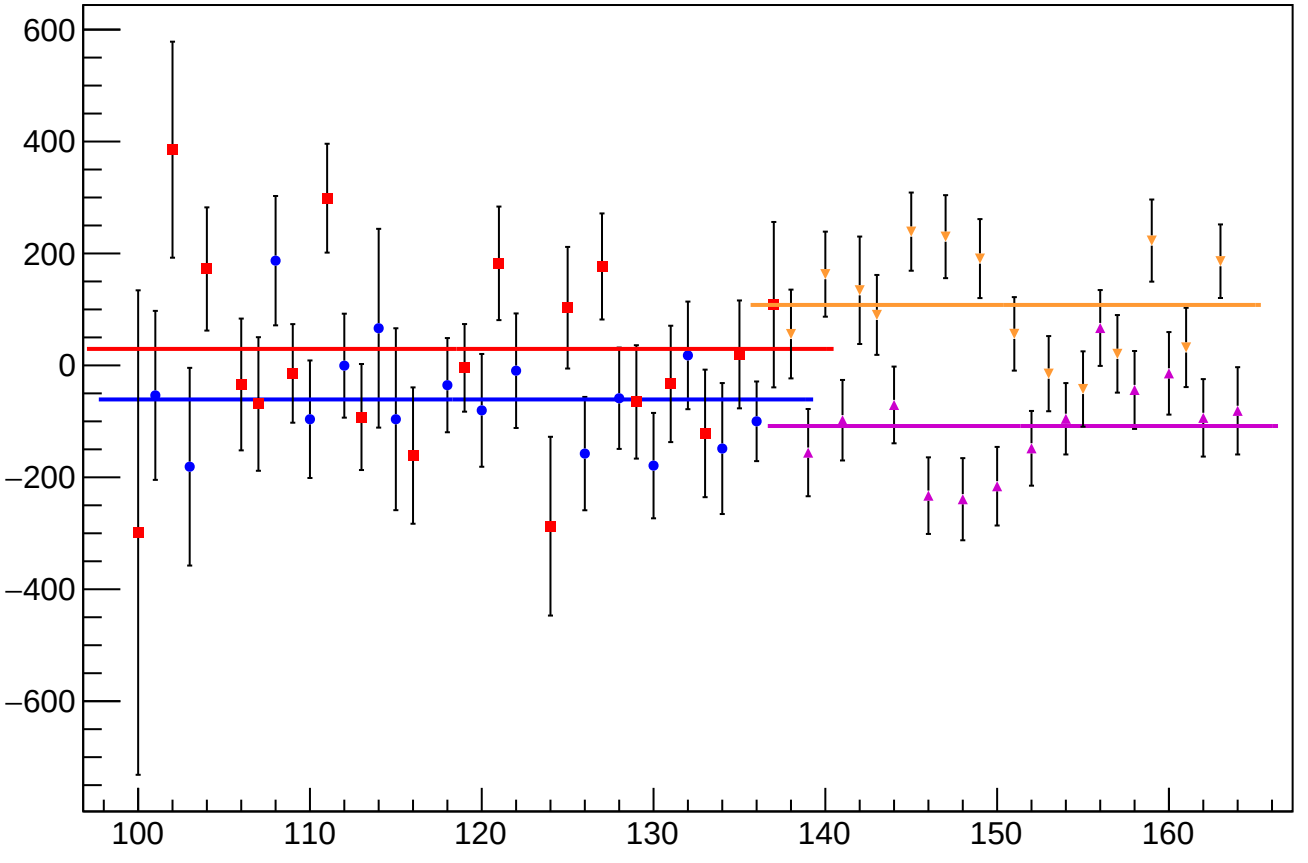
+ sign -0.000+/-0.000 χ^2/NDF: 24.9/29

All: -0.000+/-0.000 χ^2/NDF: 48.9/61

- 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:491761.6/13
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: 3764916.7/29
All: 0.000+/-0.000 χ²/NDF: 7263341.4/61
- 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: 108.032+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

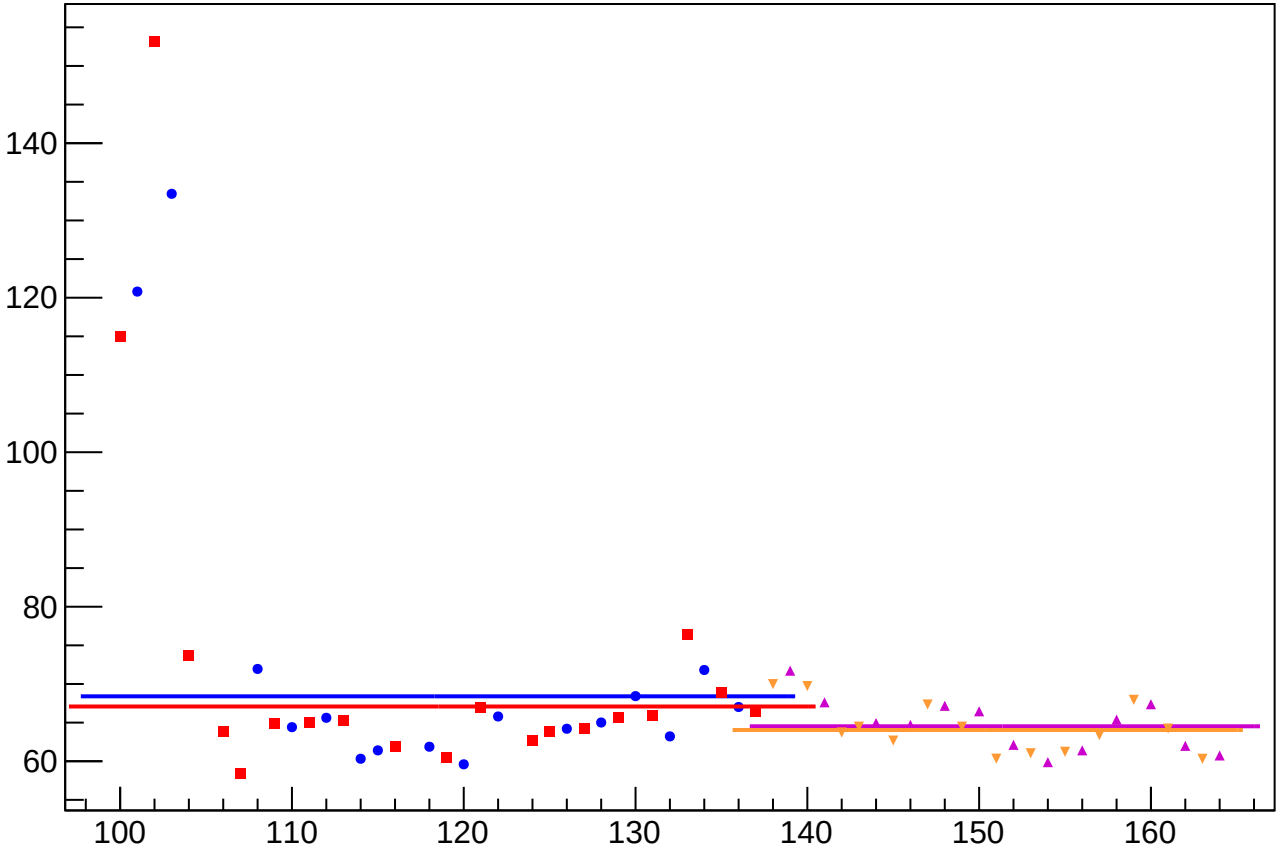
Left In: -108.309+/-19.522 χ^2/NDF:19.2/12

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -3.910+/-10.906 χ^2/NDF: 154.5/61

- 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: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

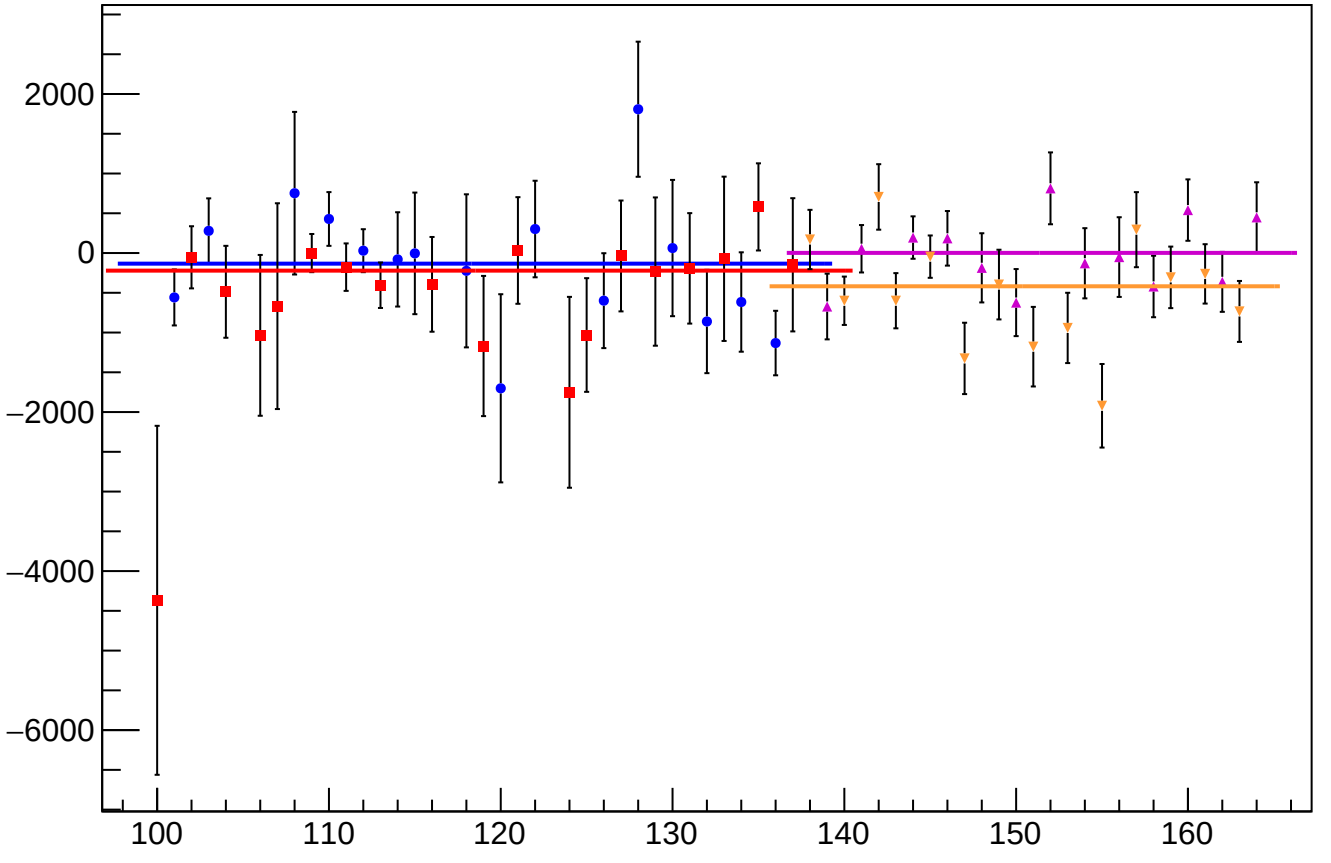
Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.573+/-0.011 χ^2/NDF: 659466.6/29

All: 65.531+/-0.008 χ^2/NDF: 1207378.2/61

- 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: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

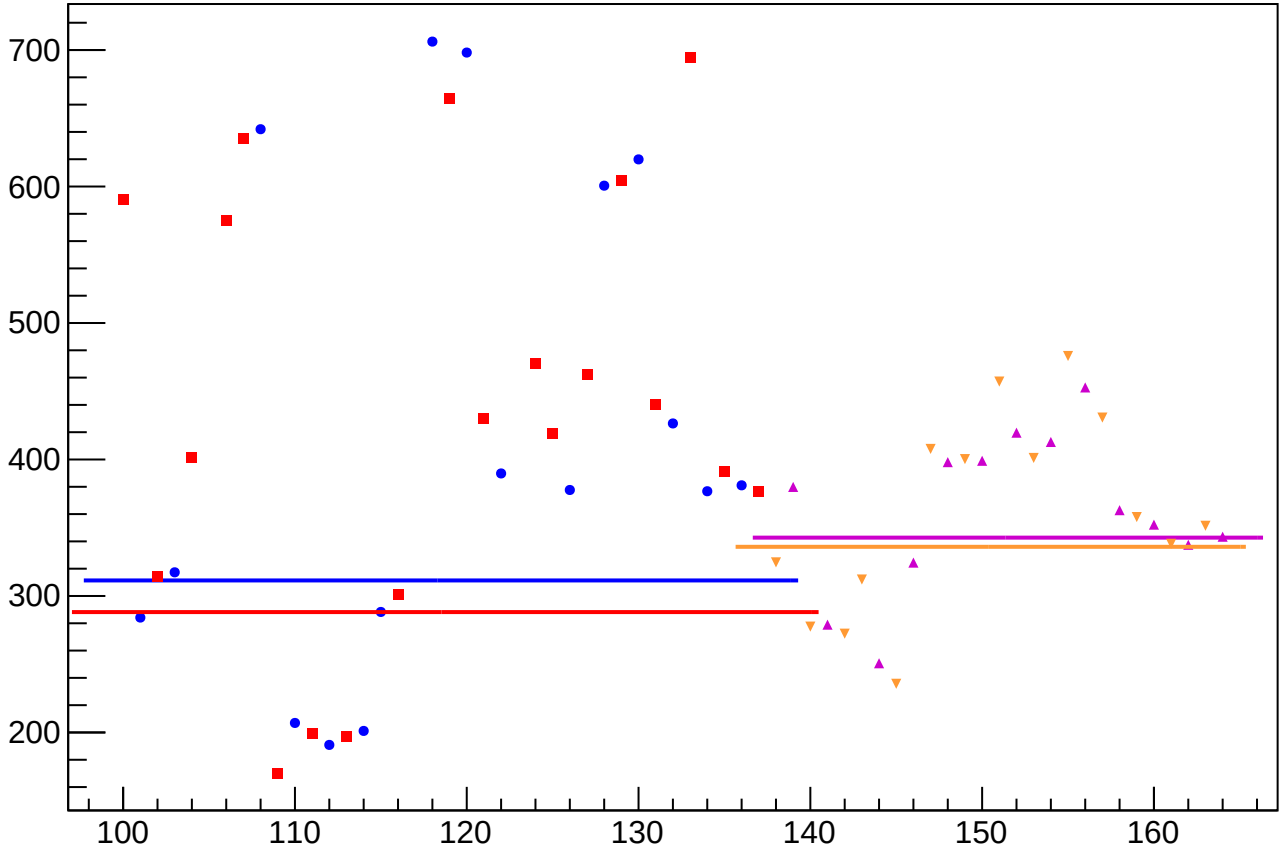
Left In: 1.804+/-105.328 χ^2/NDF:14.3/12

+ sign -304.209+/-79.696 χ^2/NDF: 57.2/29

All: -199.230+/-55.931 χ^2/NDF: 89.5/61

- 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: 336.031+/-0.073 χ^2/NDF:903512.0/13

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

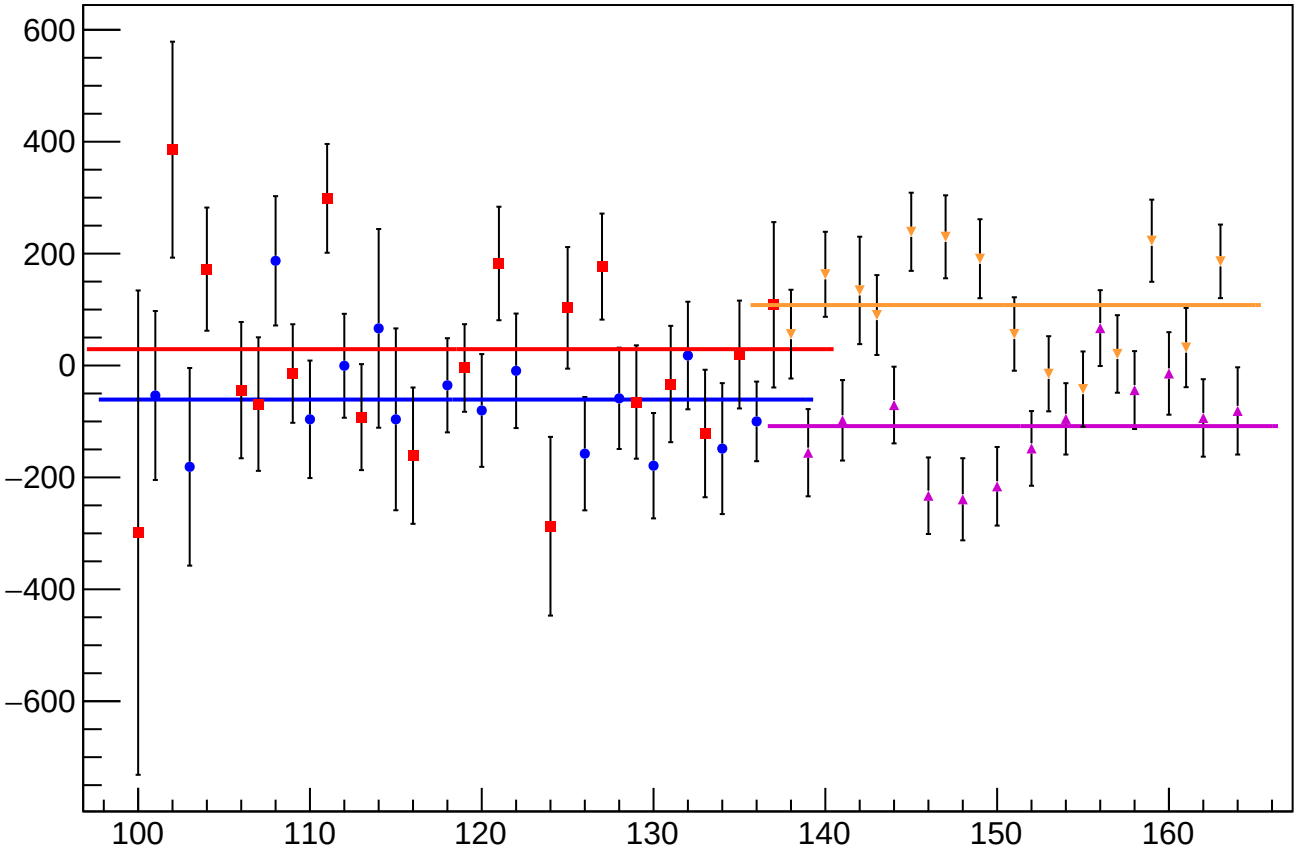
Left In: 342.750+/-0.074 χ^2/NDF:631362.8/12

+ sign 326.157+/-0.056 χ^2/NDF: 3073237.6/29

All: 322.278+/-0.040 χ^2/NDF: 6667652.4/61

- 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: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

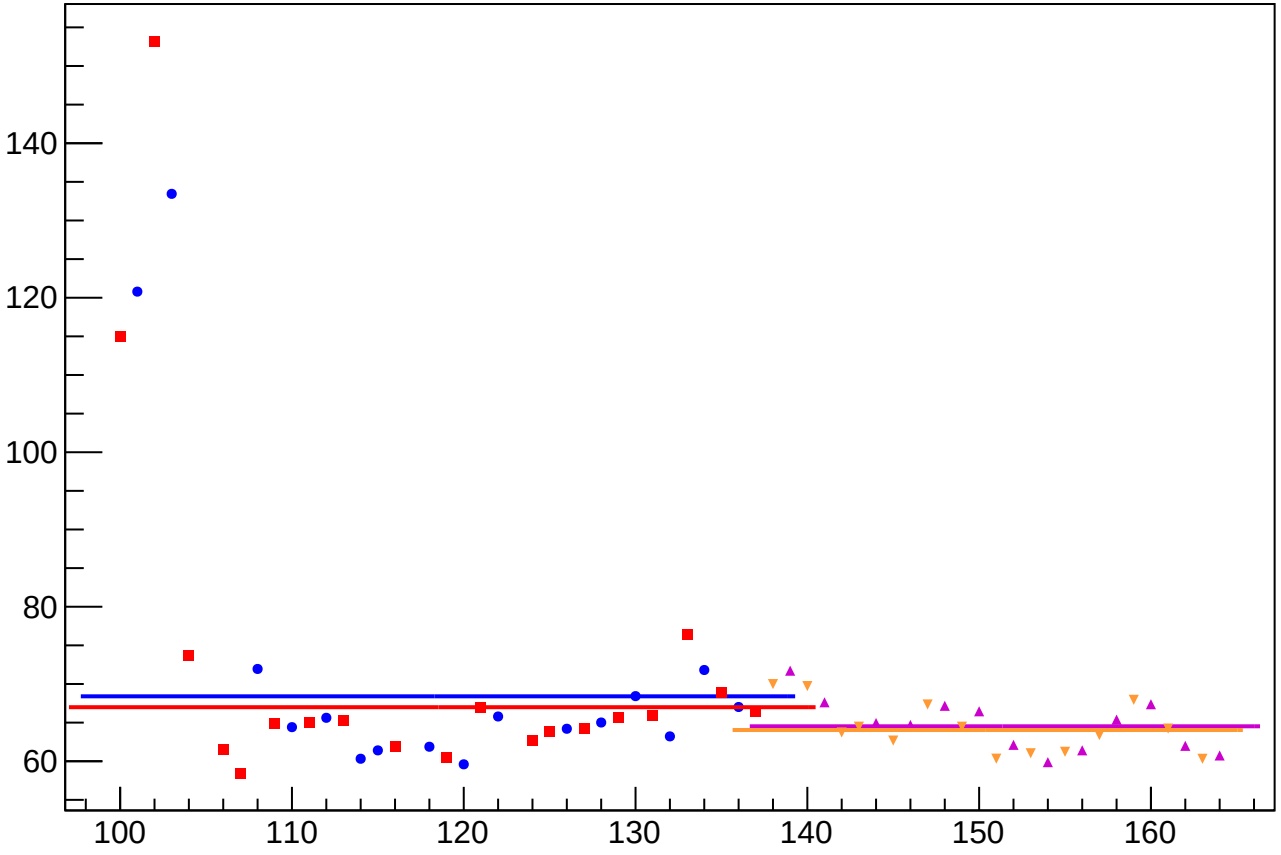
Left In: -108.308+/-19.522 χ^2/NDF:19.2/12

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -3.972+/-10.909 χ^2/NDF: 154.6/61

- 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: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

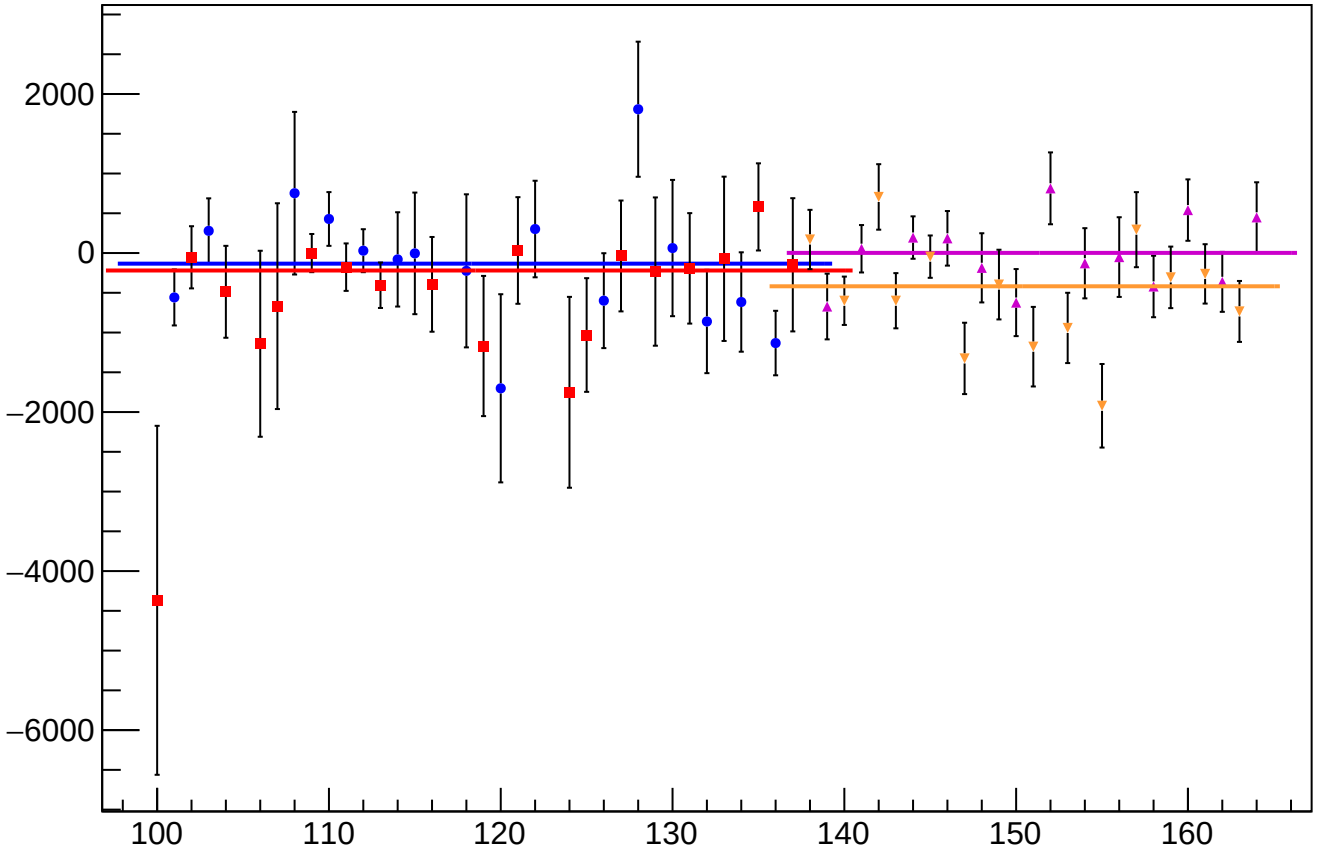
Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.573+/-0.011 χ^2/NDF: 659467.0/29

All: 65.513+/-0.008 χ^2/NDF: 1209152.7/61

- 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: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

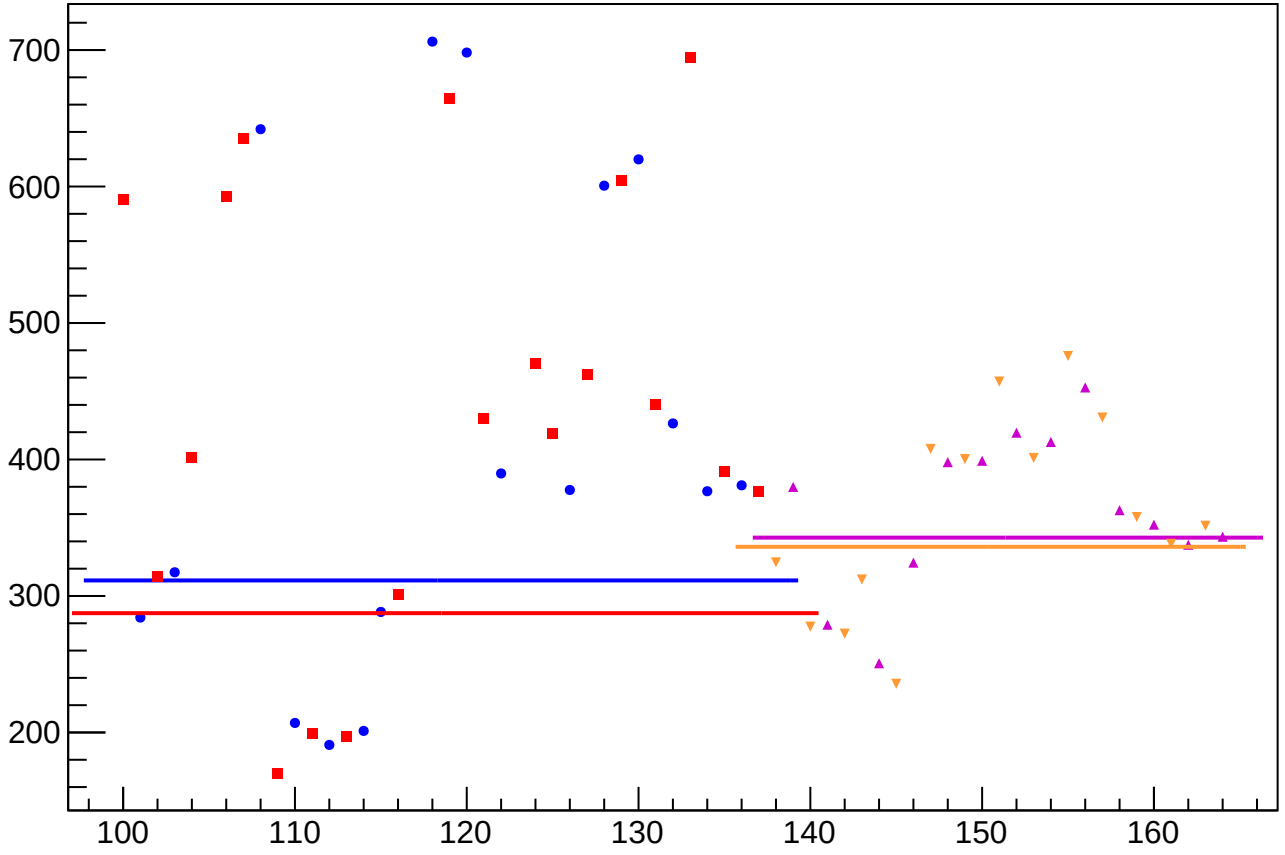
Left In: 1.809+/-105.328 χ^2/NDF:14.3/12

+ sign -304.208+/-79.696 χ^2/NDF: 57.2/29

All: -198.826+/-55.953 χ^2/NDF: 89.5/61

- 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: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

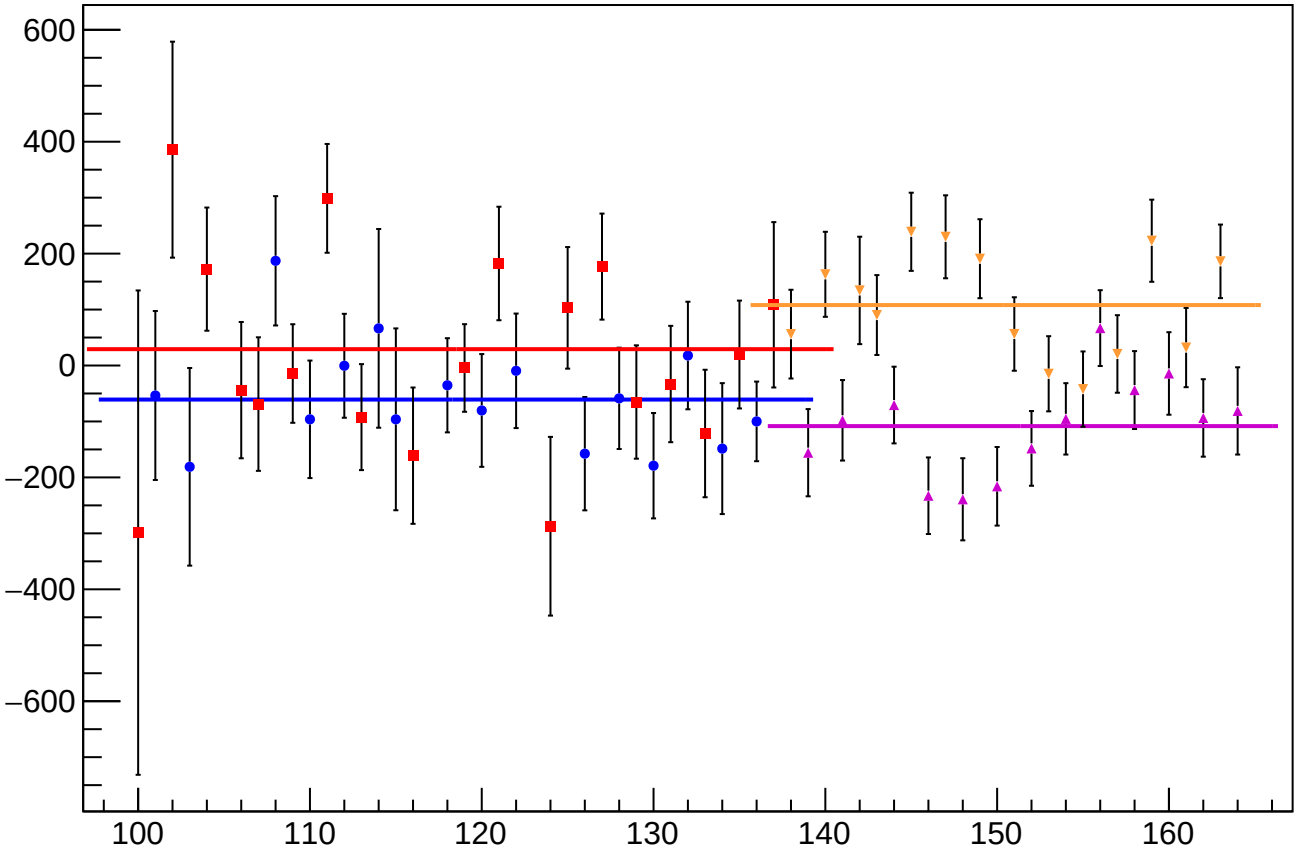
Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

+ sign 326.157+/-0.056 χ^2/NDF: 3073235.6/29

All: 322.127+/-0.040 χ^2/NDF: 6649768.2/61

- 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: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

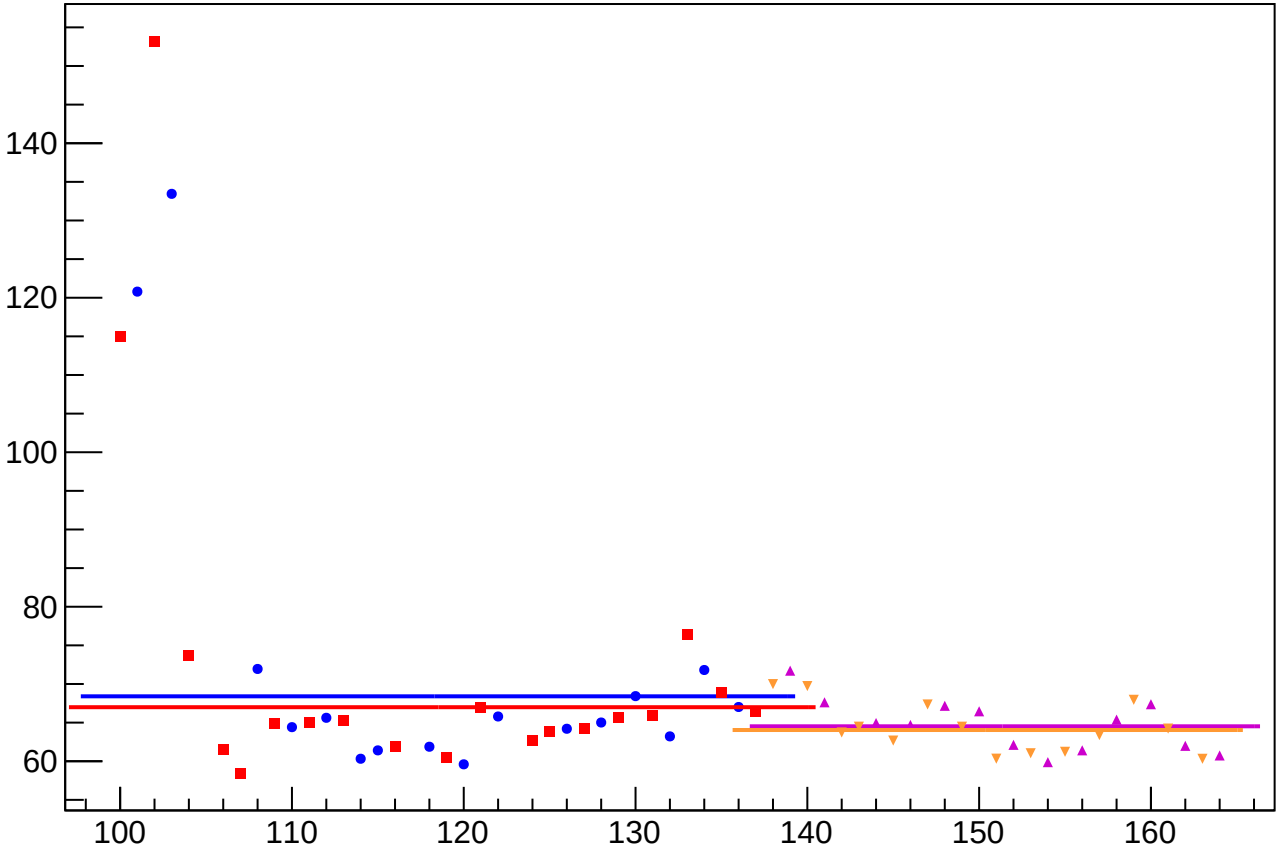
Left In: -108.308+/-19.522 χ^2/NDF:19.2/12

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -3.972+/-10.909 χ^2/NDF: 154.6/61

- 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: 64.042+/-0.014 χ^2/NDF:53547.2/13

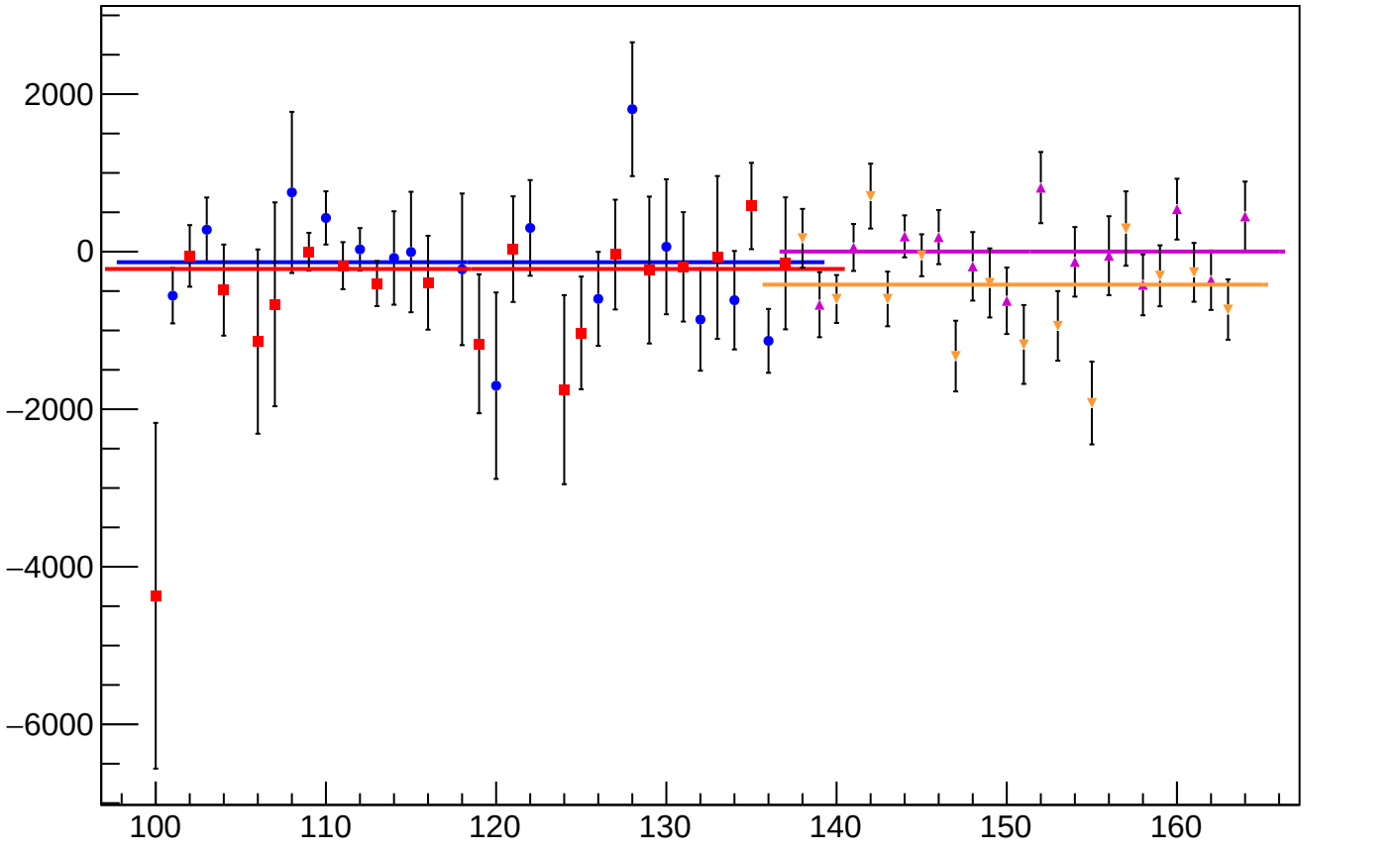
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.573+/-0.011 χ^2/NDF: 659467.0/29

All: 65.513+/-0.008 χ^2/NDF: 1209152.7/61

- sign 65.453+/-0.011 χ^2/NDF: 549624.6/31



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

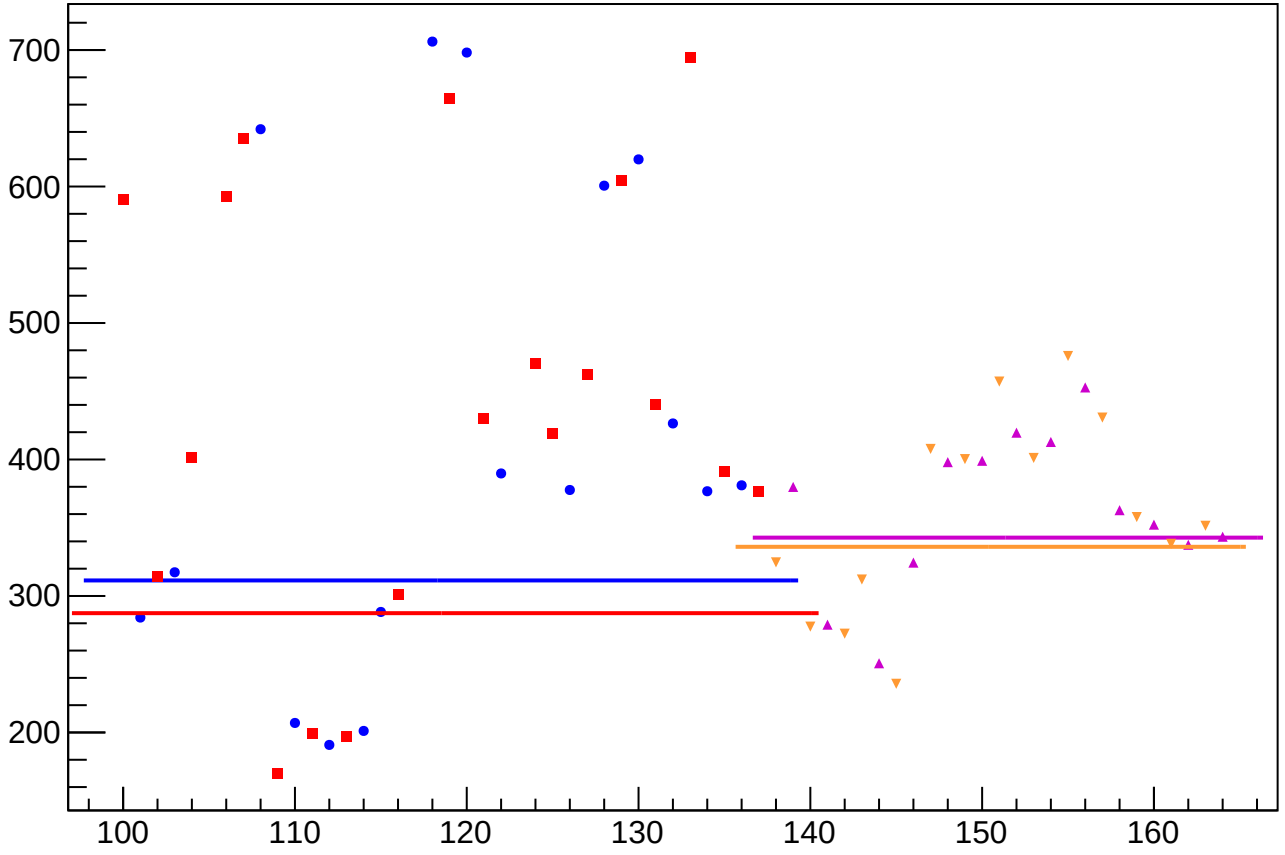
Left In: 1.809+/-105.328 χ^2/NDF:14.3/12

+ sign -304.208+/-79.696 χ^2/NDF: 57.2/29

All: -198.826+/-55.953 χ^2/NDF: 89.5/61

- 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: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

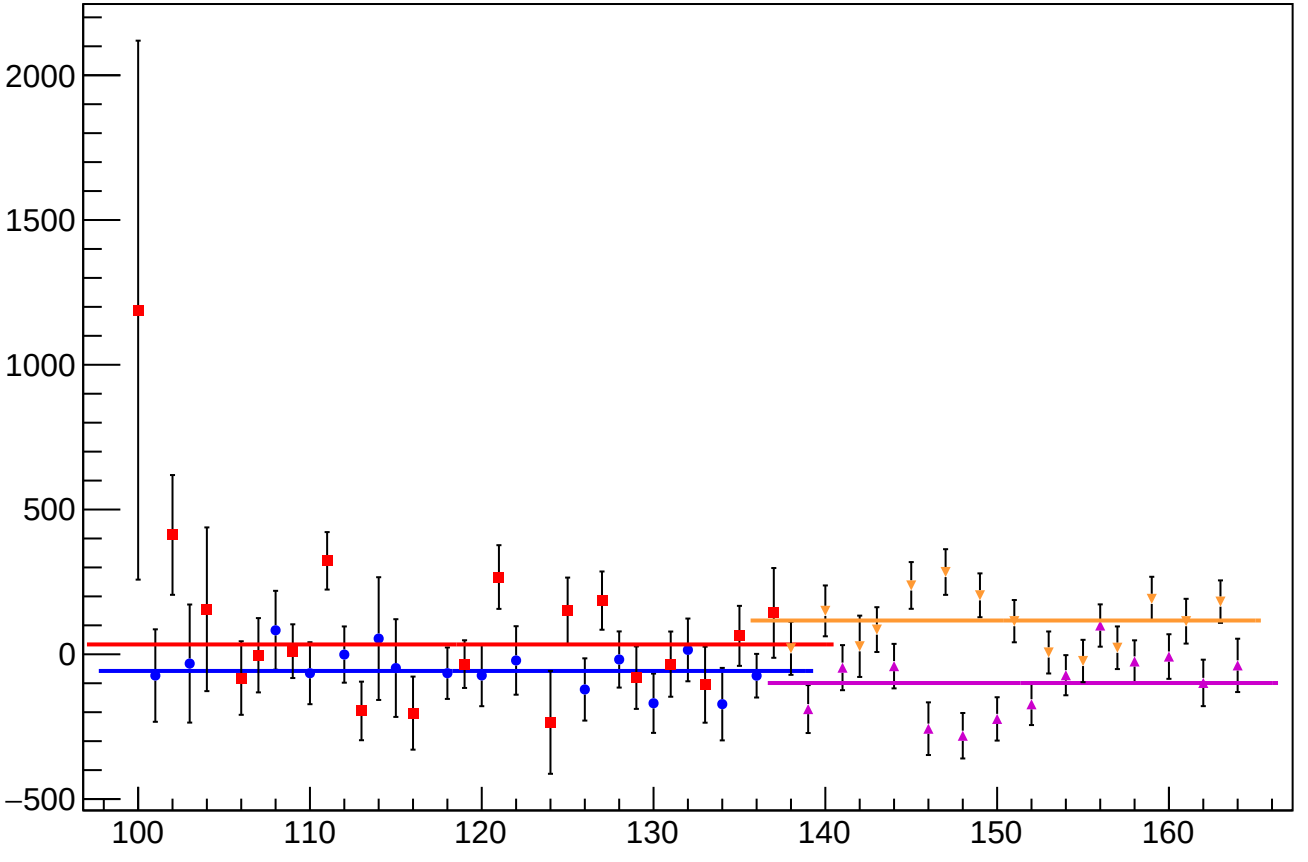
Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

+ sign 326.157+/-0.056 χ^2/NDF: 3073235.6/29

All: 322.127+/-0.040 χ^2/NDF: 6649768.2/61

- 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: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

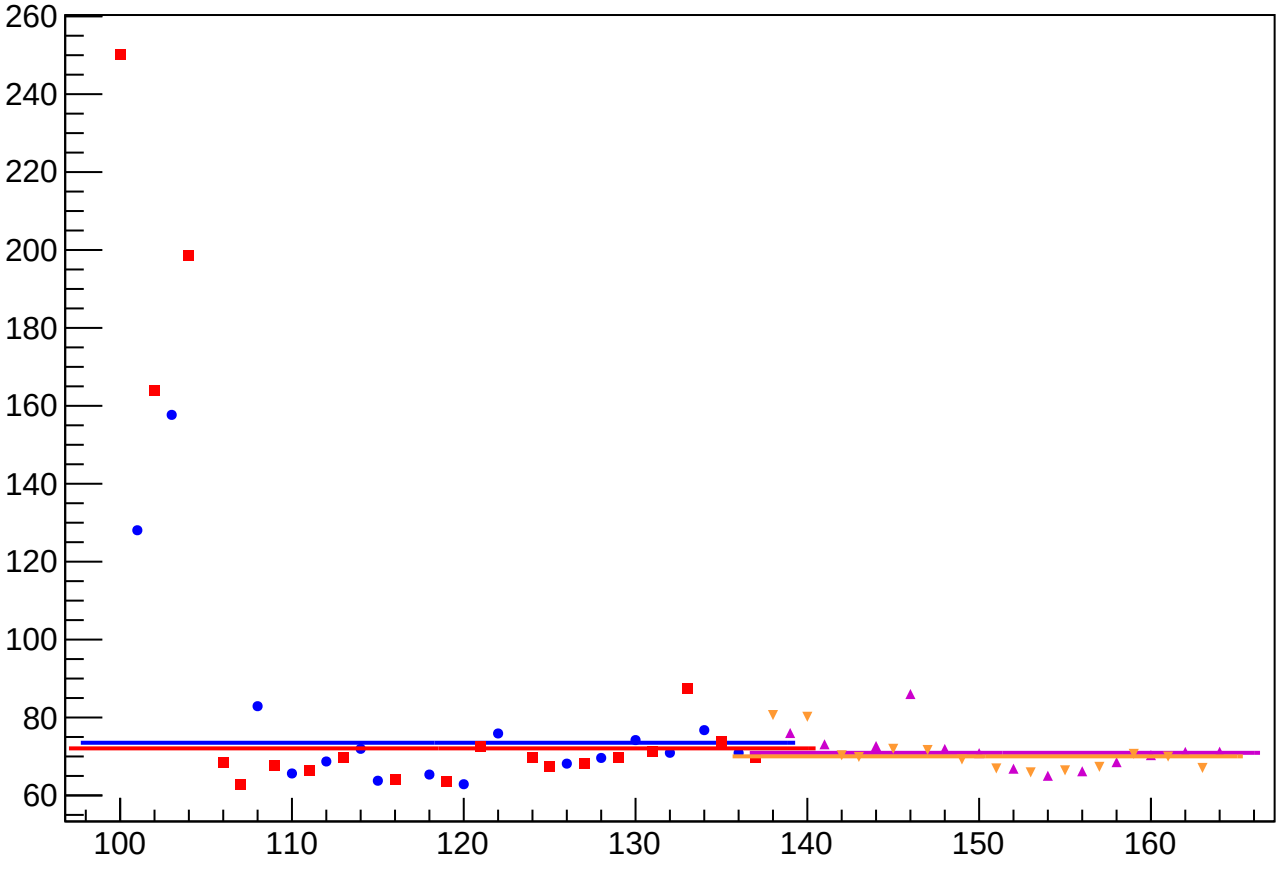
Left In: -99.165+/-21.514 χ^2/NDF:24.8/12

+ sign 54.223+/-16.819 χ^2/NDF: 49.1/29

All: 3.240+/-11.929 χ^2/NDF: 144.2/61

- 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: 70.031+/-0.015 χ^2/NDF:76694.8/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

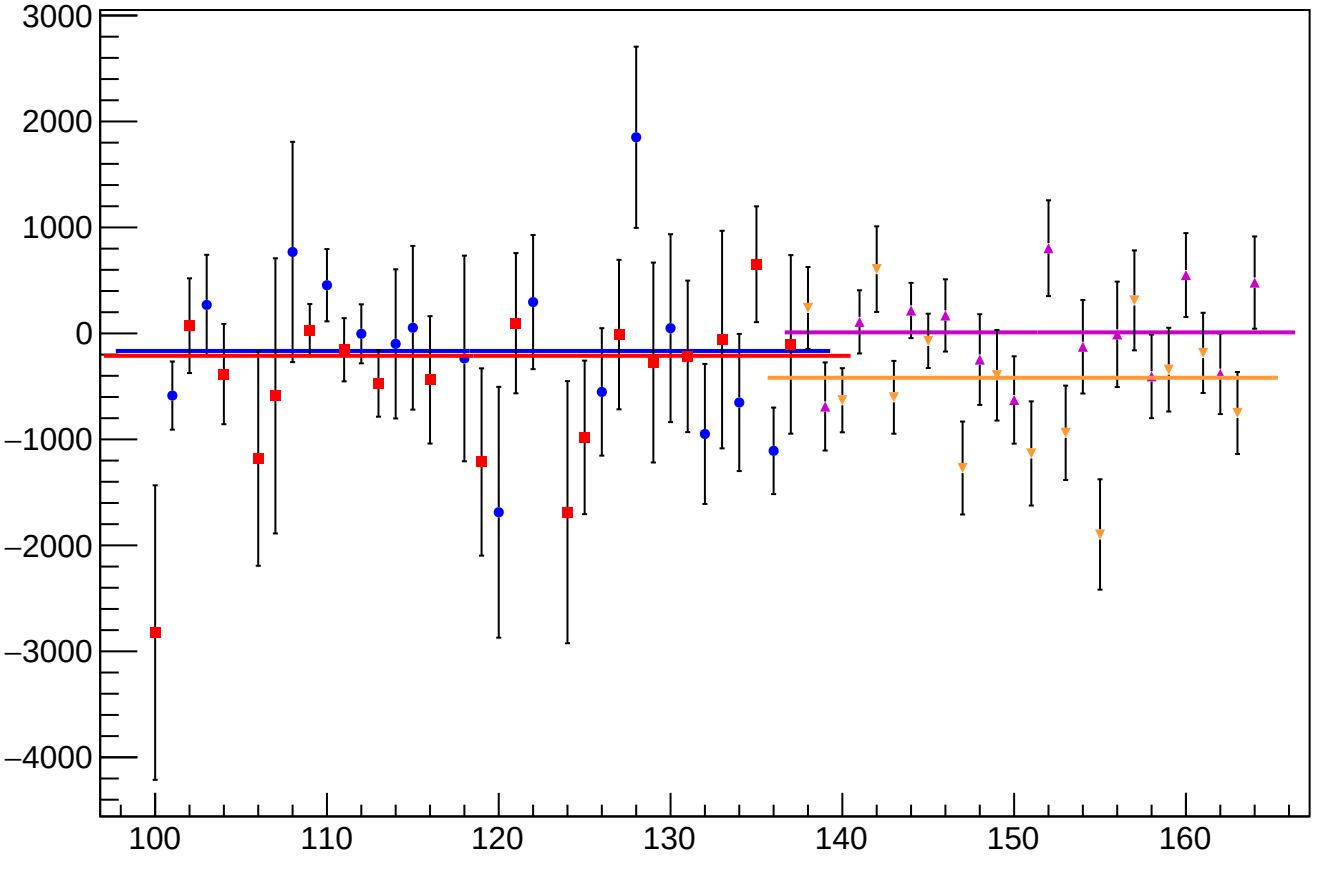
Left In: 70.934+/-0.015 χ^2/NDF:97084.1/12

+ sign 71.282+/-0.012 χ^2/NDF: 753330.9/29

All: 71.325+/-0.008 χ^2/NDF: 1811077.5/61

- 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: -418.513+/-102.286 χ^2/NDF:30.9/13

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

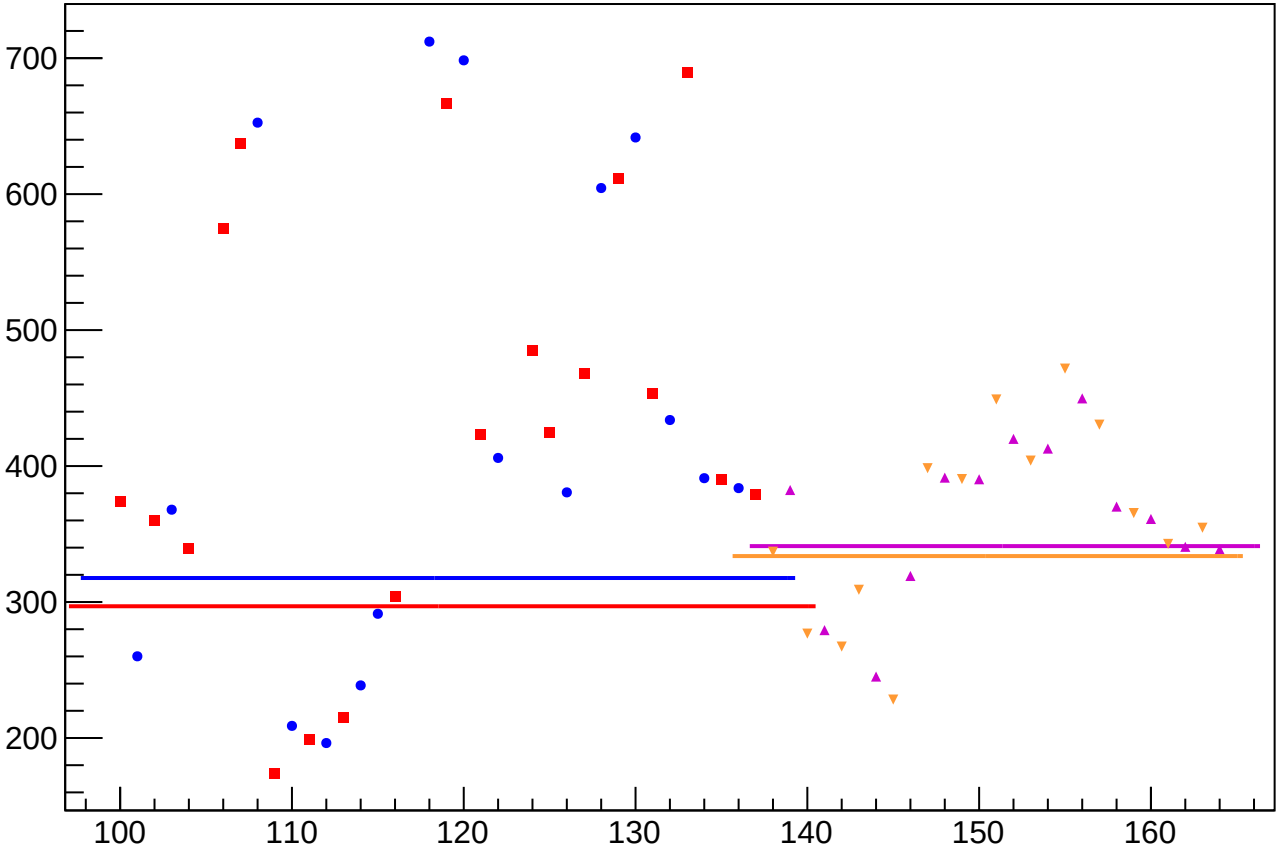
Left In: 9.887+/-104.963 χ^2/NDF:14.9/12

+ sign -320.320+/-80.013 χ^2/NDF: 55.9/29

All: -201.675+/-56.230 χ^2/NDF: 90.7/61

- 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: 333.798+/-0.072 χ^2/NDF:957063.2/13

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

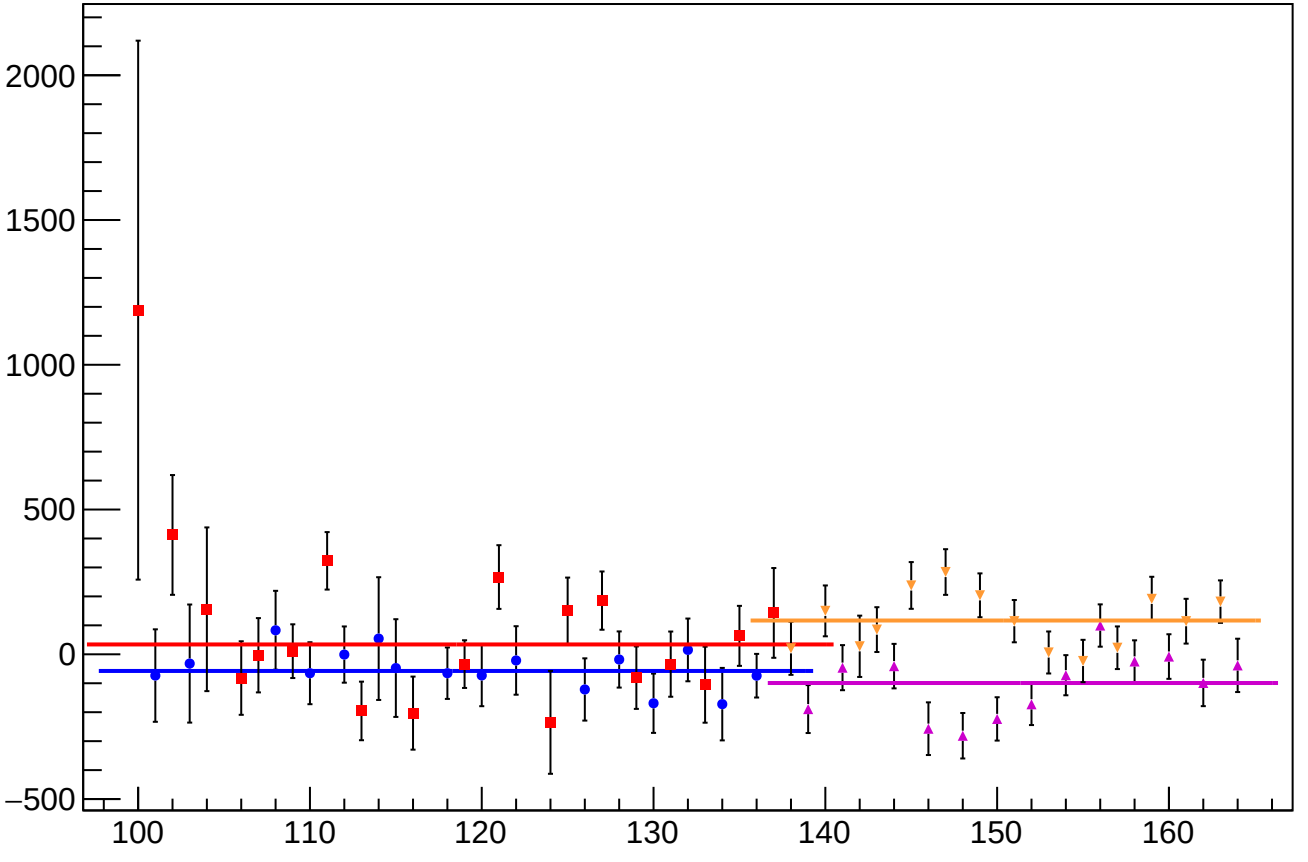
Left In: 341.127+/-0.074 χ^2/NDF:665885.1/12

+ sign 327.537+/-0.057 χ^2/NDF: 3112568.6/29

All: 324.721+/-0.040 χ^2/NDF: 6478206.6/61

- 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: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

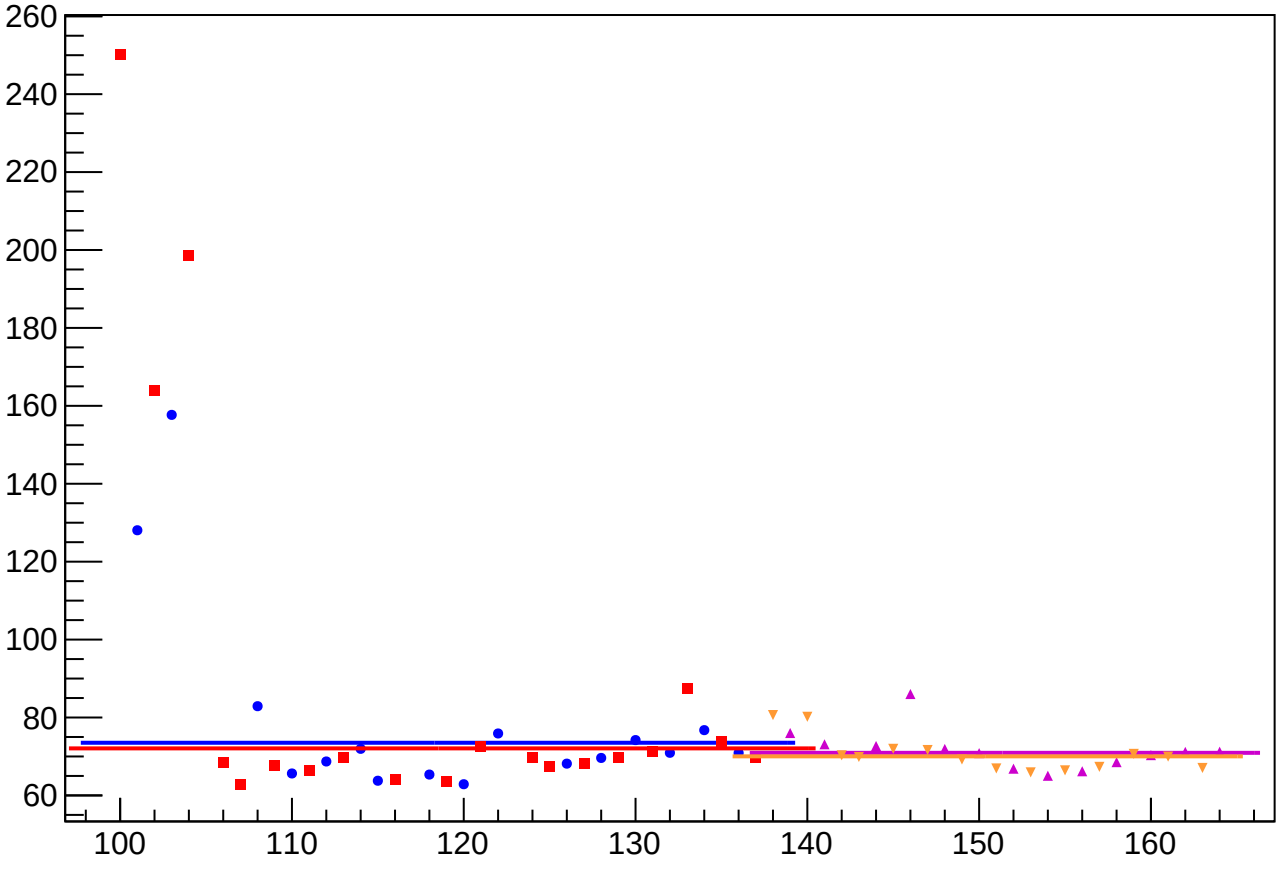
Left In: -99.164+/-21.514 χ^2/NDF:24.8/12

+ sign 54.224+/-16.819 χ^2/NDF: 49.1/29

All: 3.241+/-11.929 χ^2/NDF: 144.2/61

- 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: 70.031+/-0.015 χ^2/NDF:76694.4/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

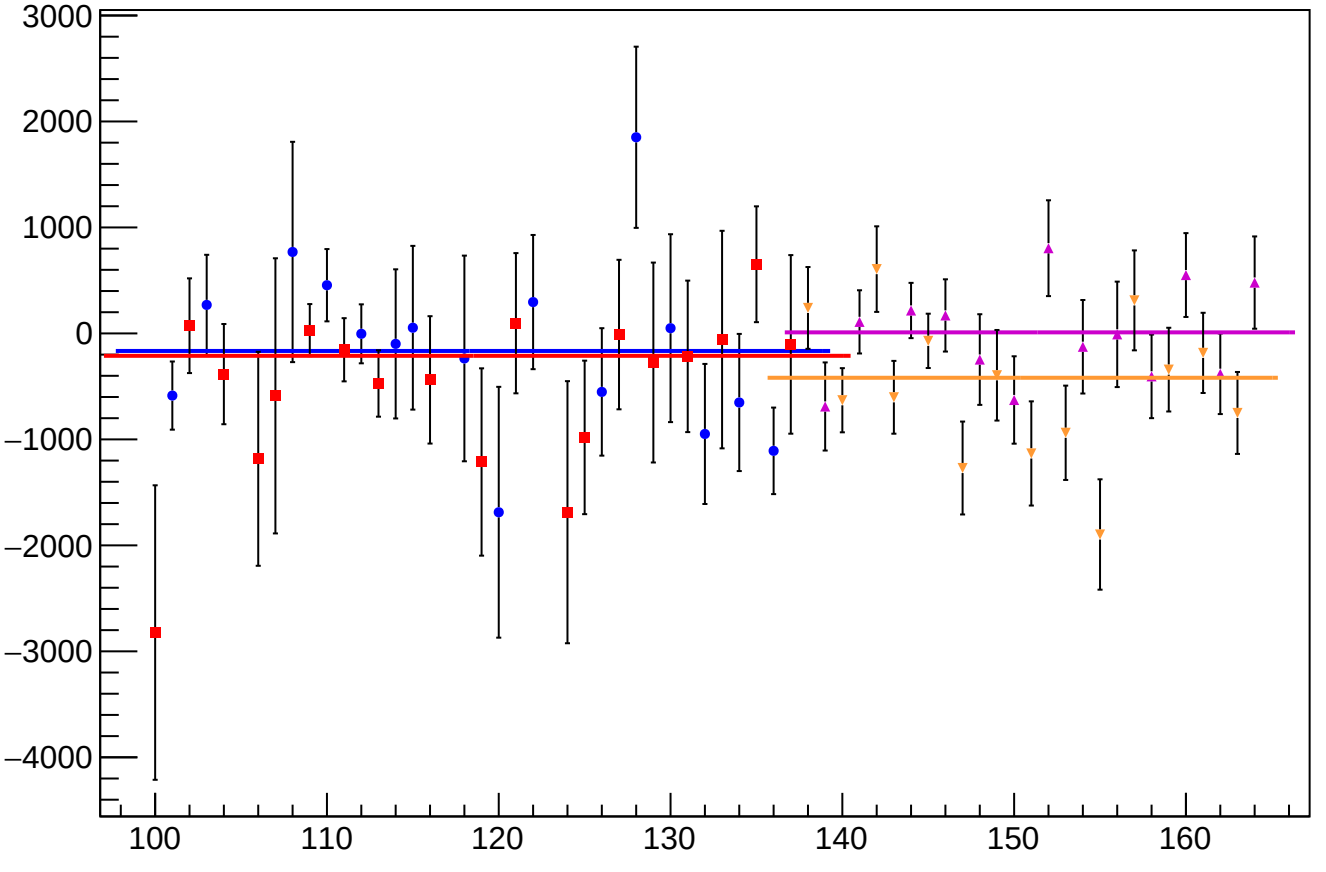
Left In: 70.934+/-0.015 χ^2/NDF:97084.6/12

+ sign 71.282+/-0.012 χ^2/NDF: 753330.6/29

All: 71.325+/-0.008 χ^2/NDF: 1811078.8/61

- 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: -418.512+/-102.286 χ^2/NDF:30.9/13

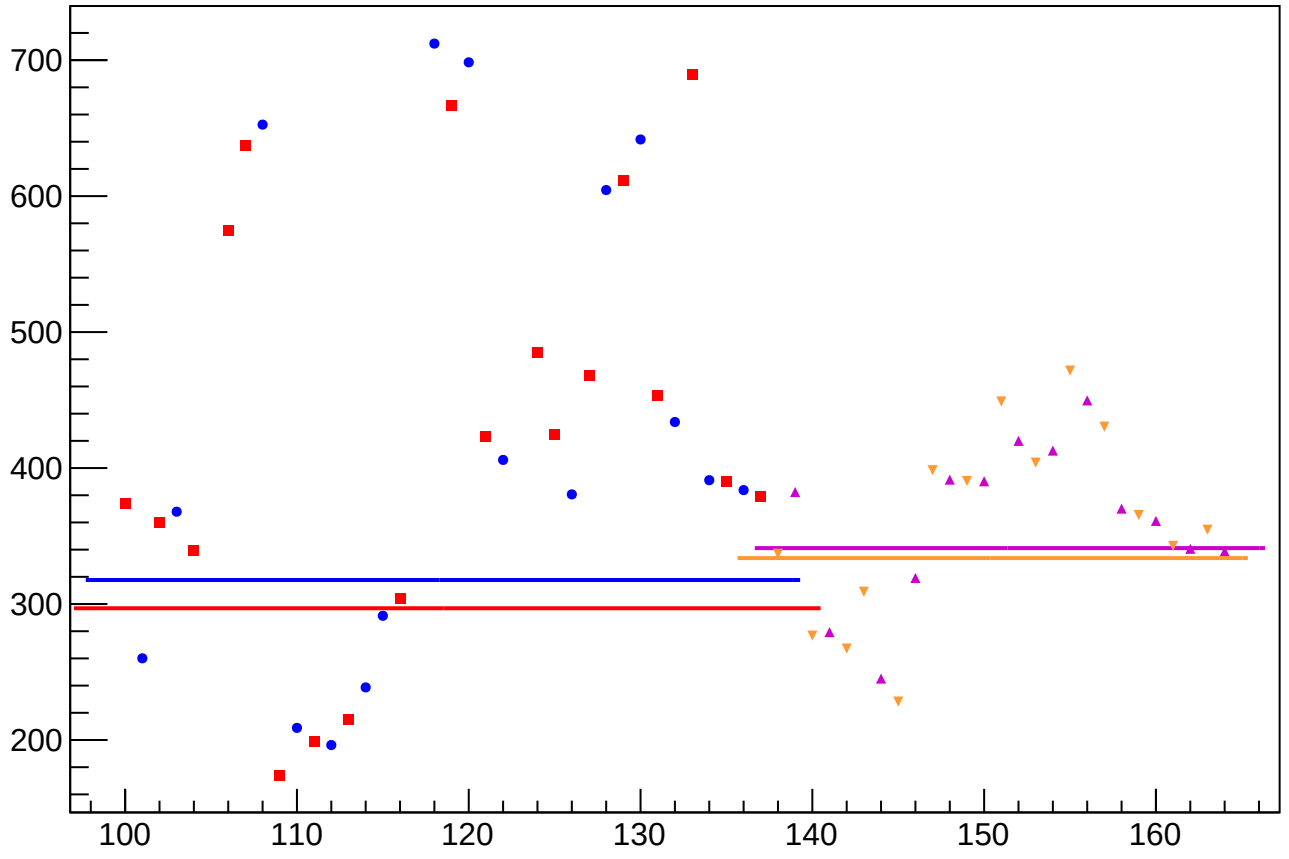
Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 9.888+/-104.963 χ^2/NDF:14.9/12

+ sign -320.319+/-80.012 χ^2/NDF: 55.9/29

All: -201.674+/-56.230 χ^2/NDF: 90.7/61

- sign -85.898+/-79.039 χ^2/NDF: 30.5/31



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.798+/-0.072 χ^2/NDF:957074.4/13

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

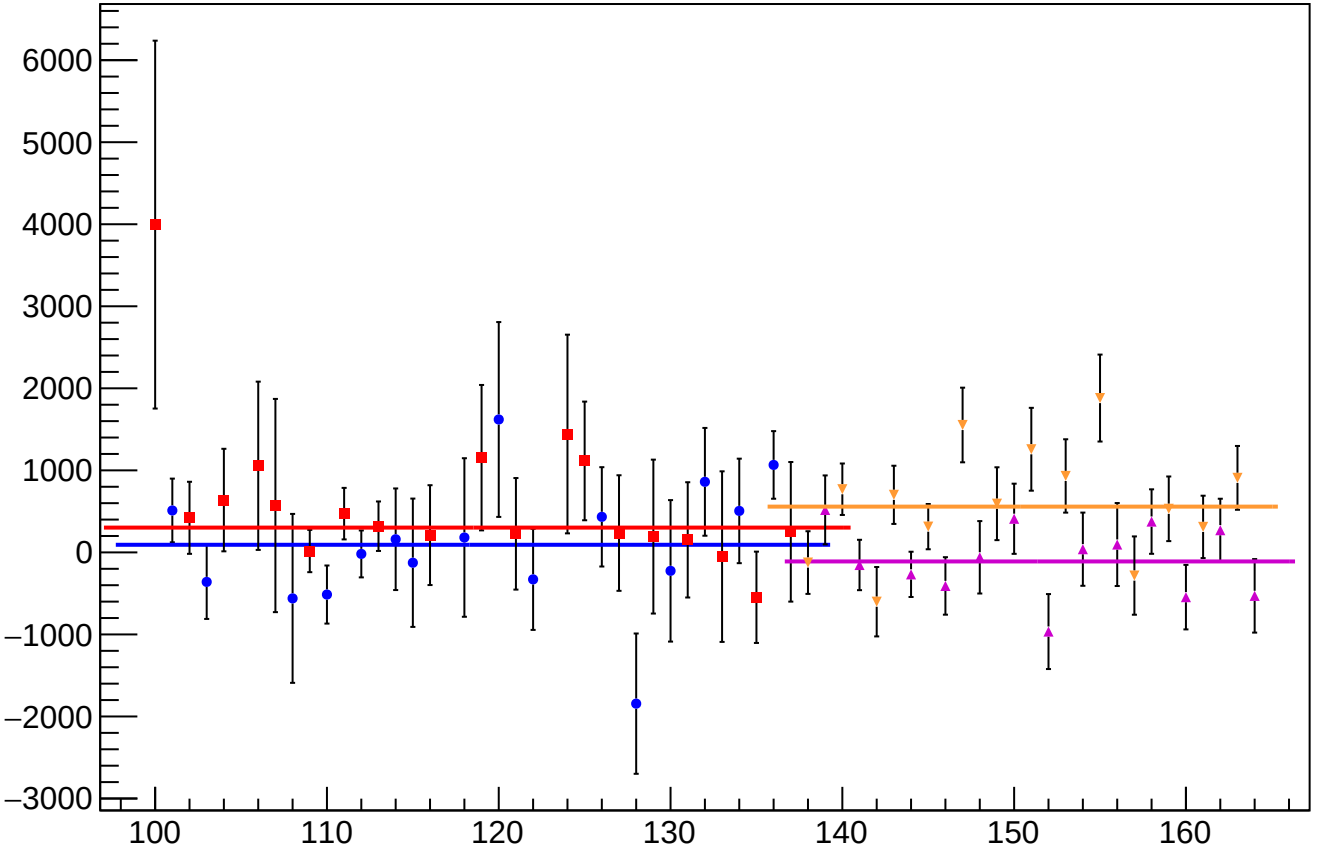
Left In: 341.127+/-0.074 χ^2/NDF:665891.1/12

+ sign 327.535+/-0.057 χ^2/NDF: 3112616.3/29

All: 324.720+/-0.040 χ^2/NDF: 6478280.4/61

- 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: 557.946+/-105.143 χ^2/NDF:30.1/13

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

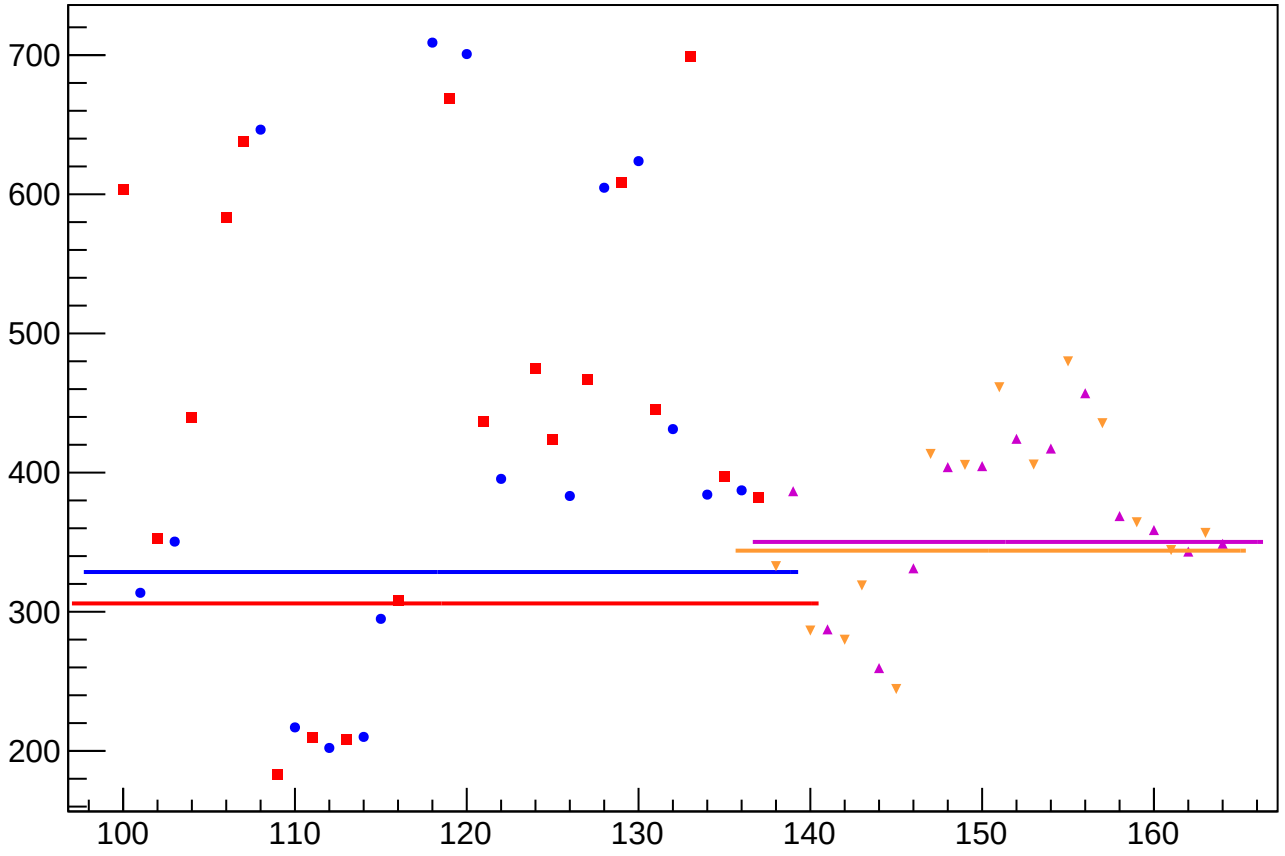
Left In: -110.310+/-107.451 χ^2/NDF:13.2/12

+ sign 377.265+/-82.224 χ^2/NDF: 58.5/29

All: 220.035+/-57.769 χ^2/NDF: 96.1/61

- sign 66.767+/-81.181 χ^2/NDF: 30.3/31

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 343.914+/-0.074 χ^2/NDF:828700.1/13

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

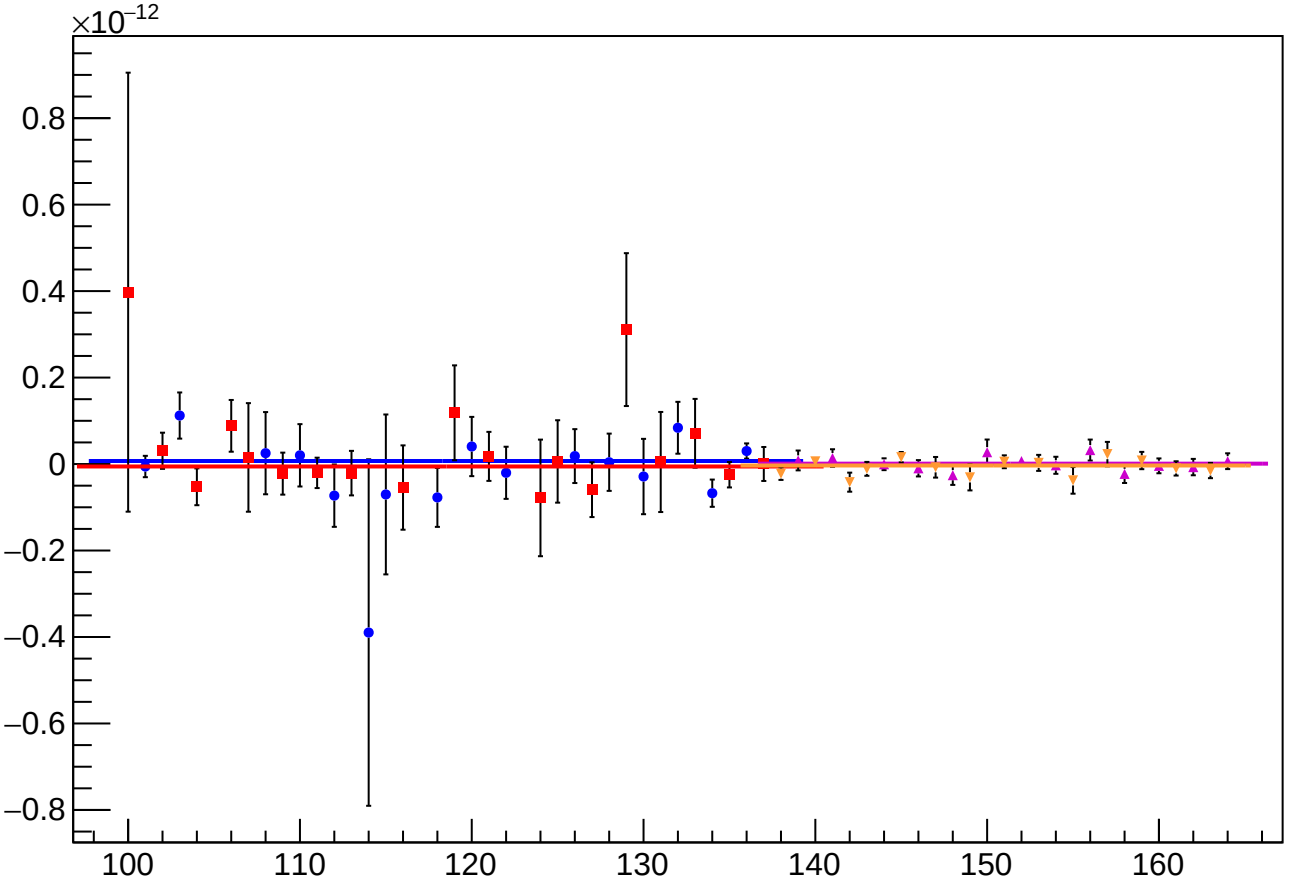
Left In: 350.183+/-0.076 χ^2/NDF:576024.6/12

+ sign 337.952+/-0.058 χ^2/NDF: 2804126.0/29

All: 334.541+/-0.041 χ^2/NDF: 6059625.6/61

- 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:12.7/13

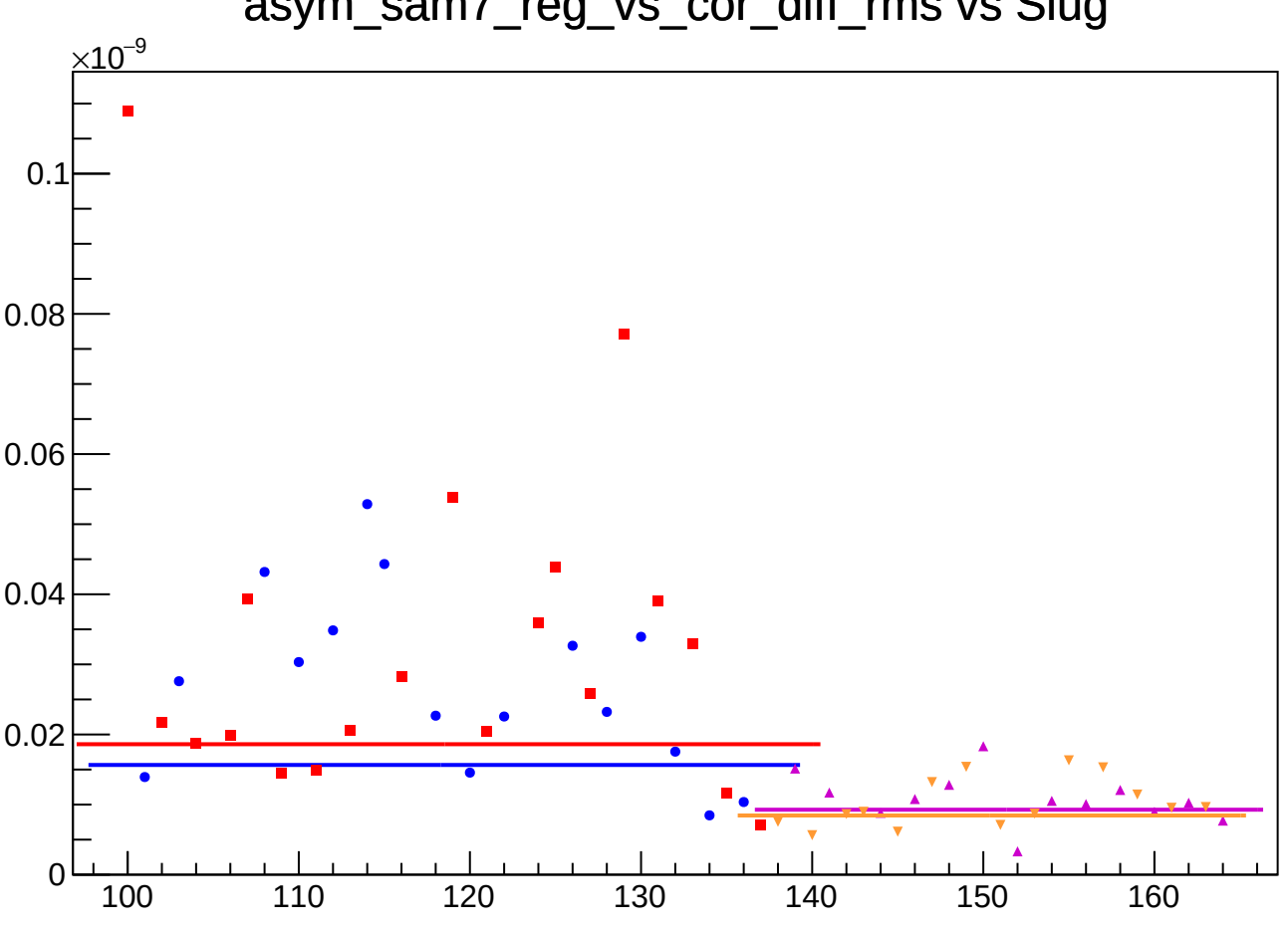
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/29

All: -0.000+/-0.000 χ^2/NDF: 51.0/61

- 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:739266.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

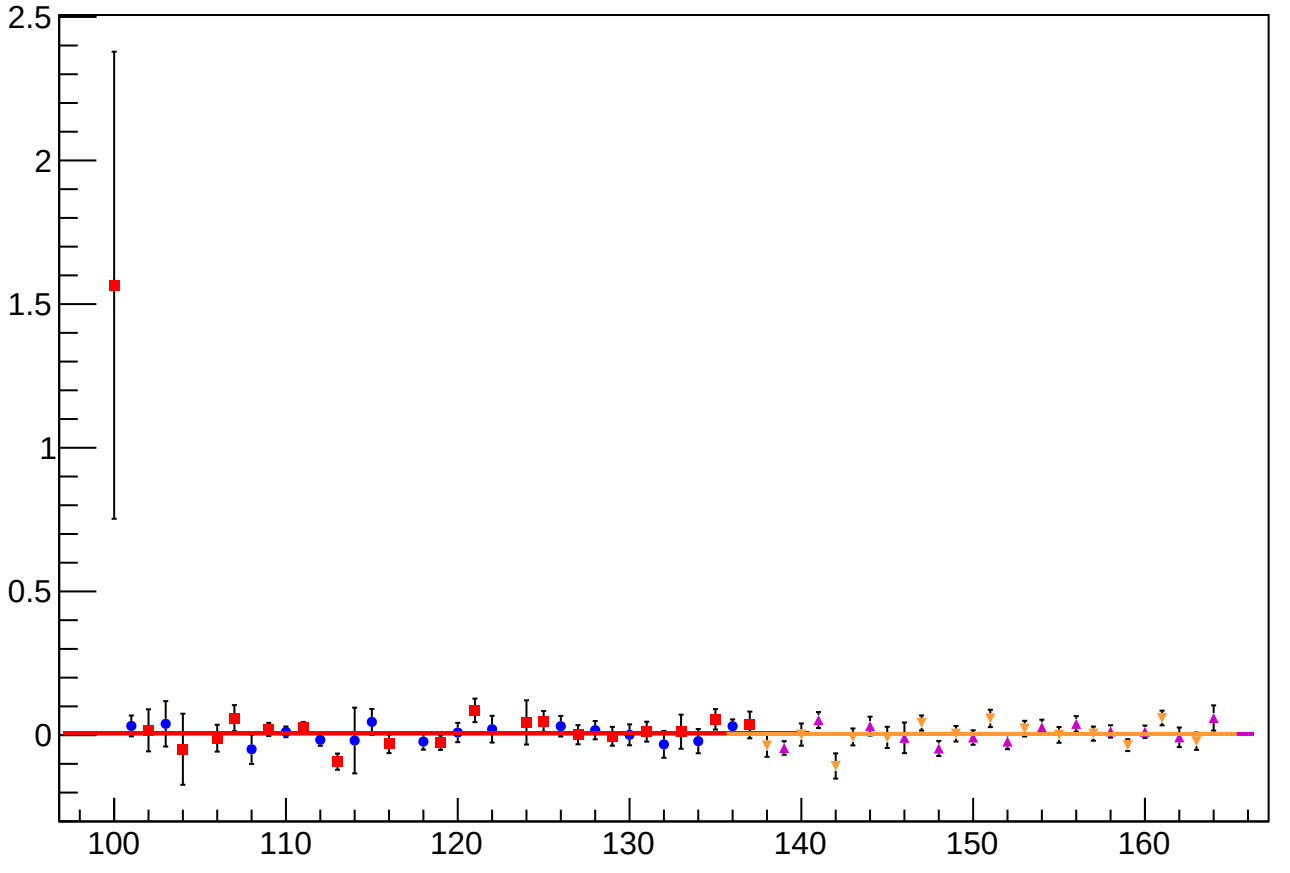
Left In: 0.000+/-0.000 χ^2/NDF:1012188.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 2642645.2/29

All: 0.000+/-0.000 χ^2/NDF: 5852925.0/61

- 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: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

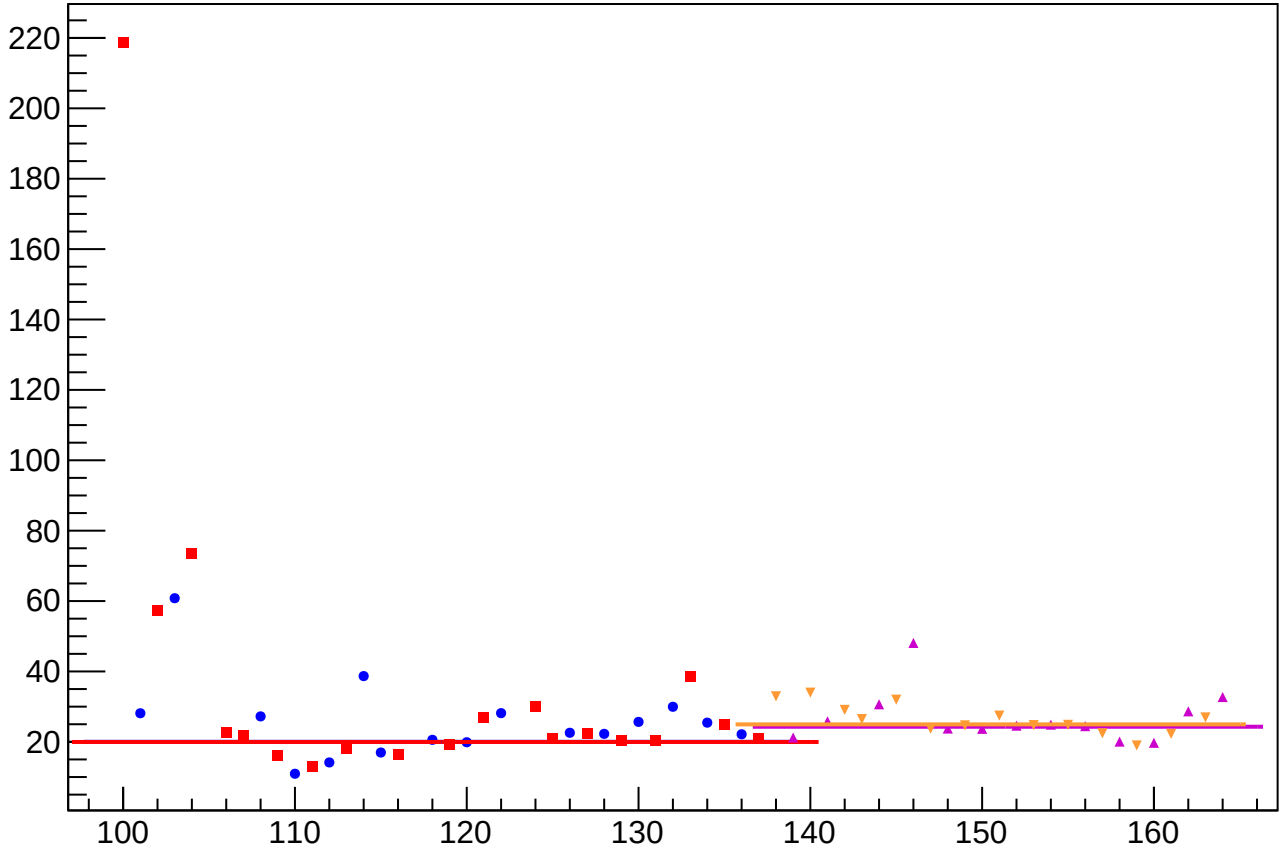
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 77.6/61

- 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: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

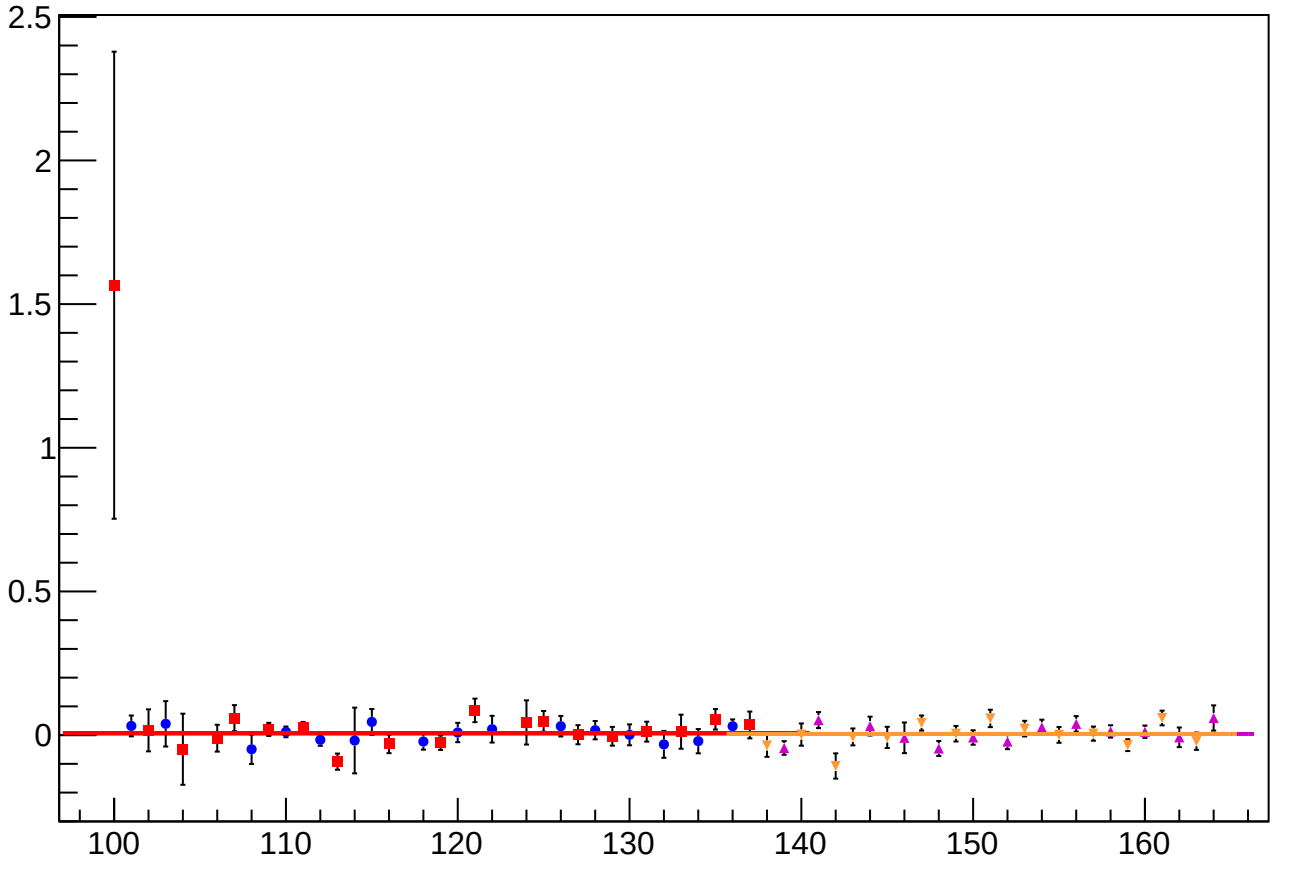
Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

+ sign 22.631+/-0.004 χ^2/NDF: 2557134.6/29

All: 22.443+/-0.003 χ^2/NDF: 5371807.1/61

- 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: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

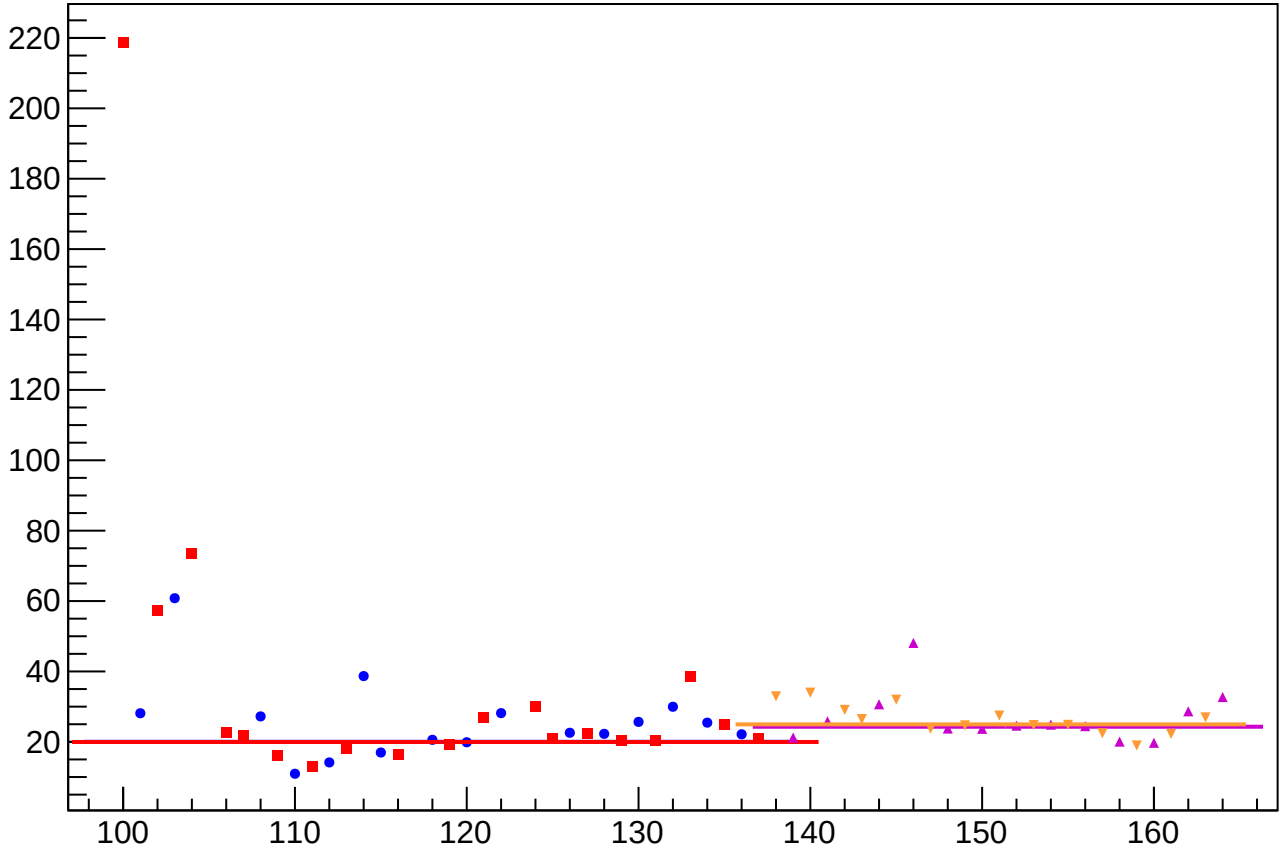
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 77.6/61

- 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: 24.959+/-0.005 χ^2/NDF:524691.9/13

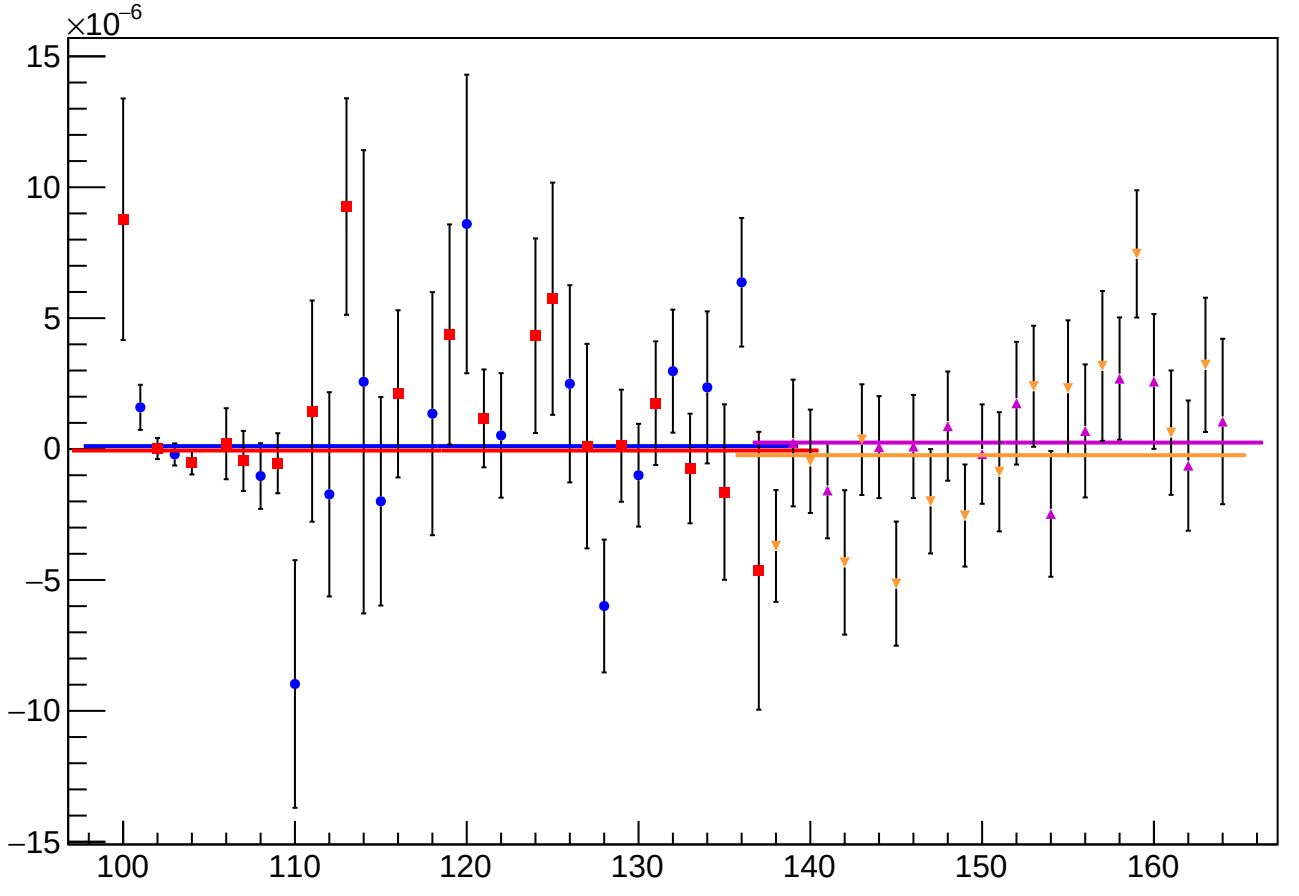
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

\+ sign 22.631+/-0.004 χ^2/NDF: 2557134.6/29

All: 22.443+/-0.003 χ^2/NDF: 5371807.1/61

\- sign 22.258+/-0.004 χ^2/NDF: 2810215.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

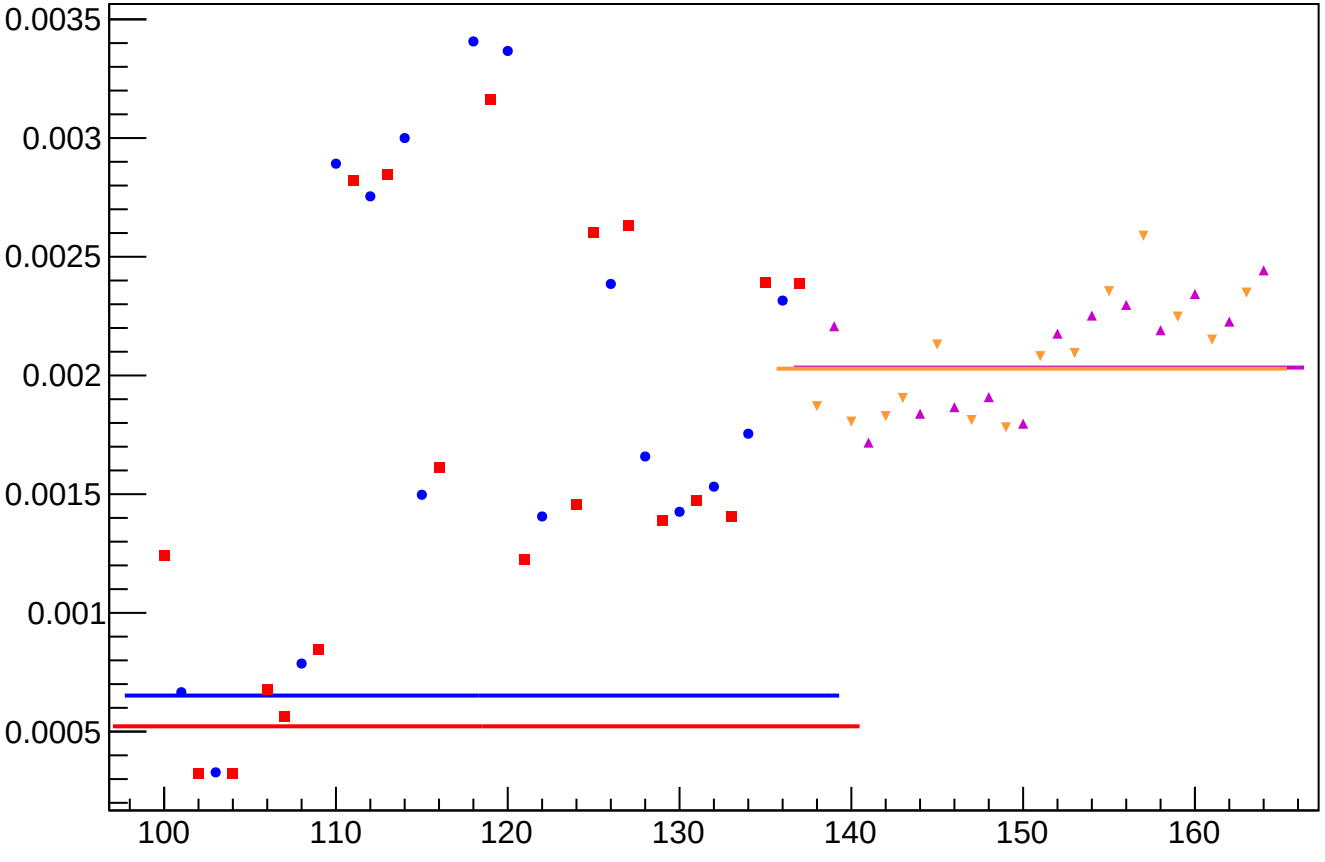
Left In: 0.000+/-0.000 χ^2/NDF:5.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/29

All: 0.000+/-0.000 χ^2/NDF: 75.7/61

- 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:276919.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

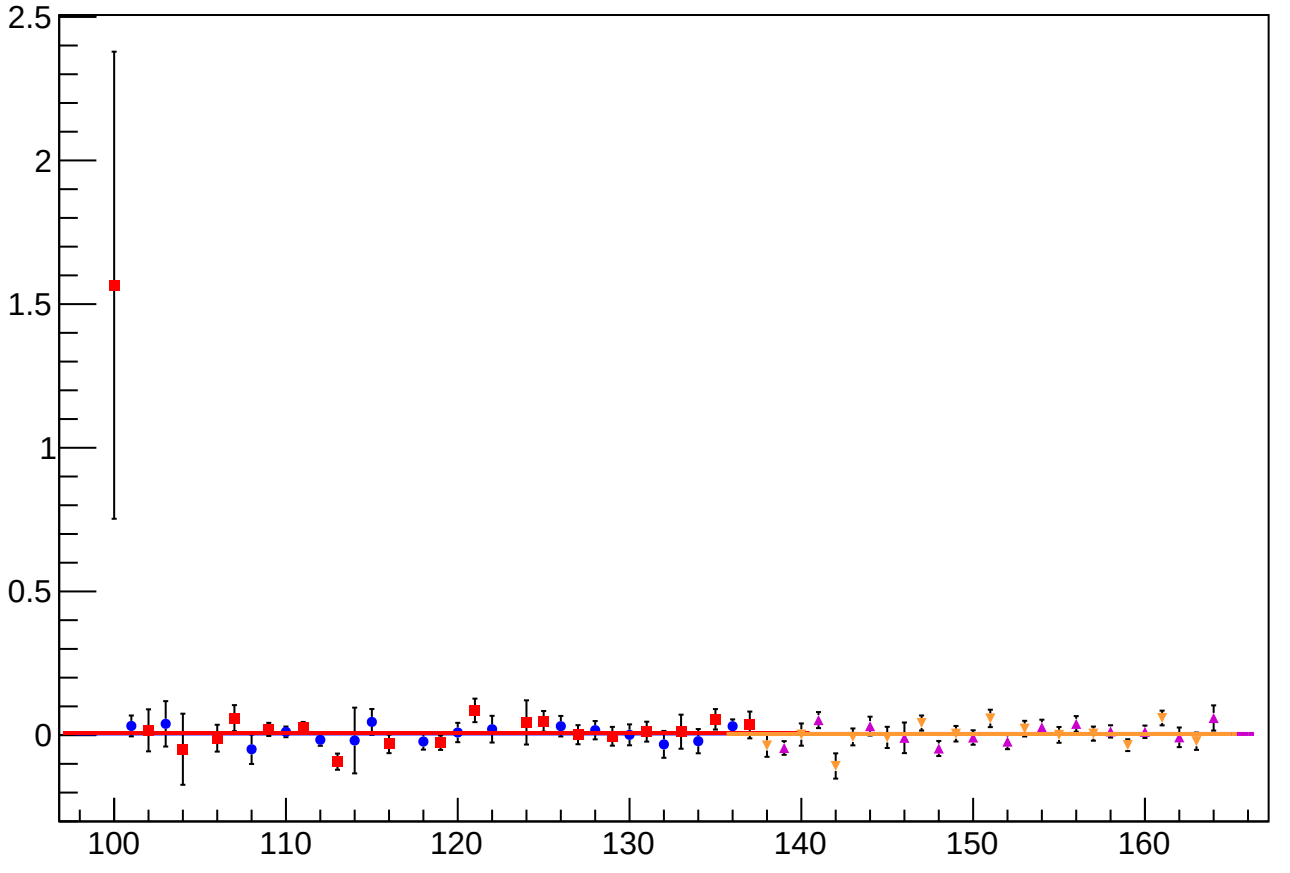
Left In: 0.002+/-0.000 χ^2/NDF:271759.2/12

+ sign 0.001+/-0.000 χ^2/NDF: 14447719.5/29

All: 0.001+/-0.000 χ^2/NDF: 32170312.6/61

- 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: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

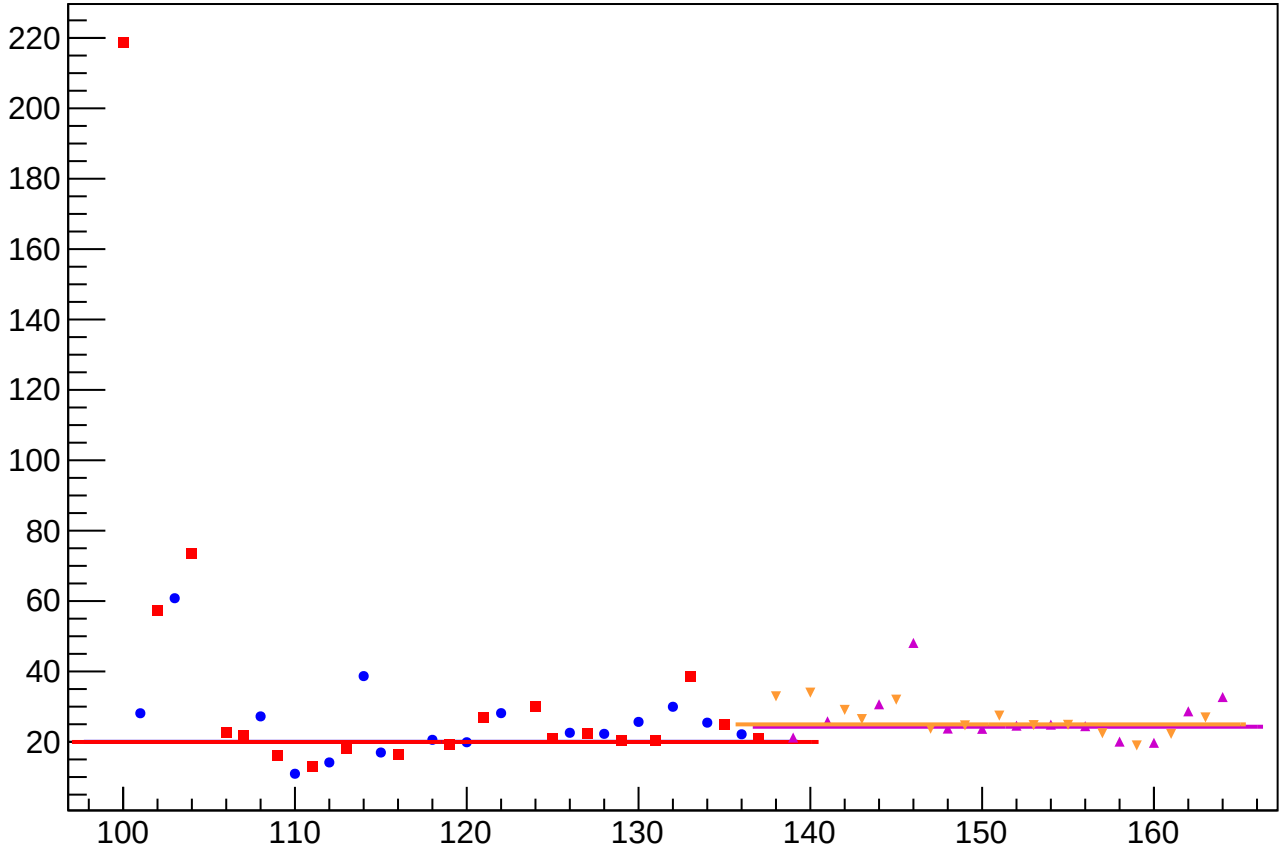
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 77.6/61

- 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: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

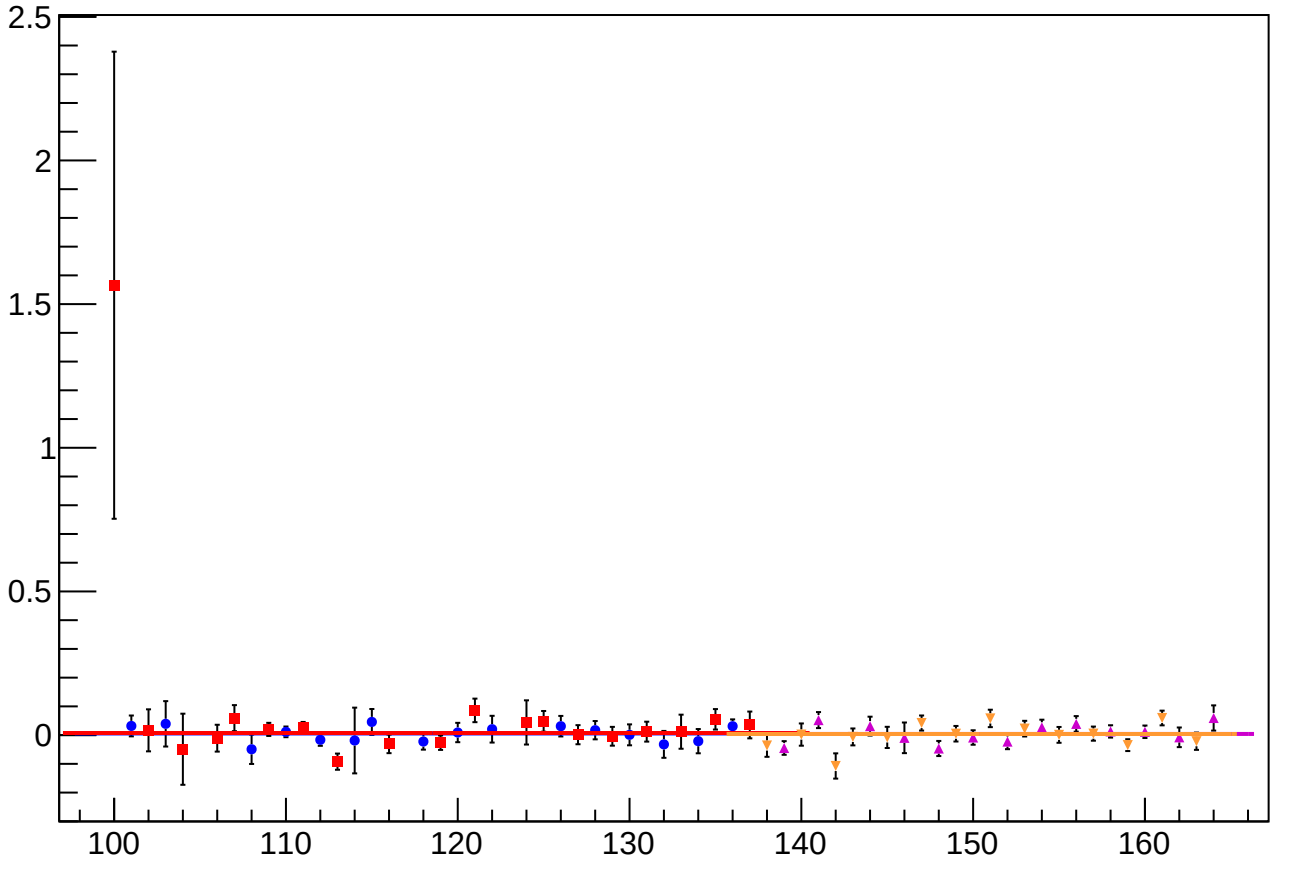
Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

+ sign 22.631+/-0.004 χ^2/NDF: 2556915.9/29

All: 22.443+/-0.003 χ^2/NDF: 5371535.9/61

- sign 22.259+/-0.004 χ^2/NDF: 2810158.2/31

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

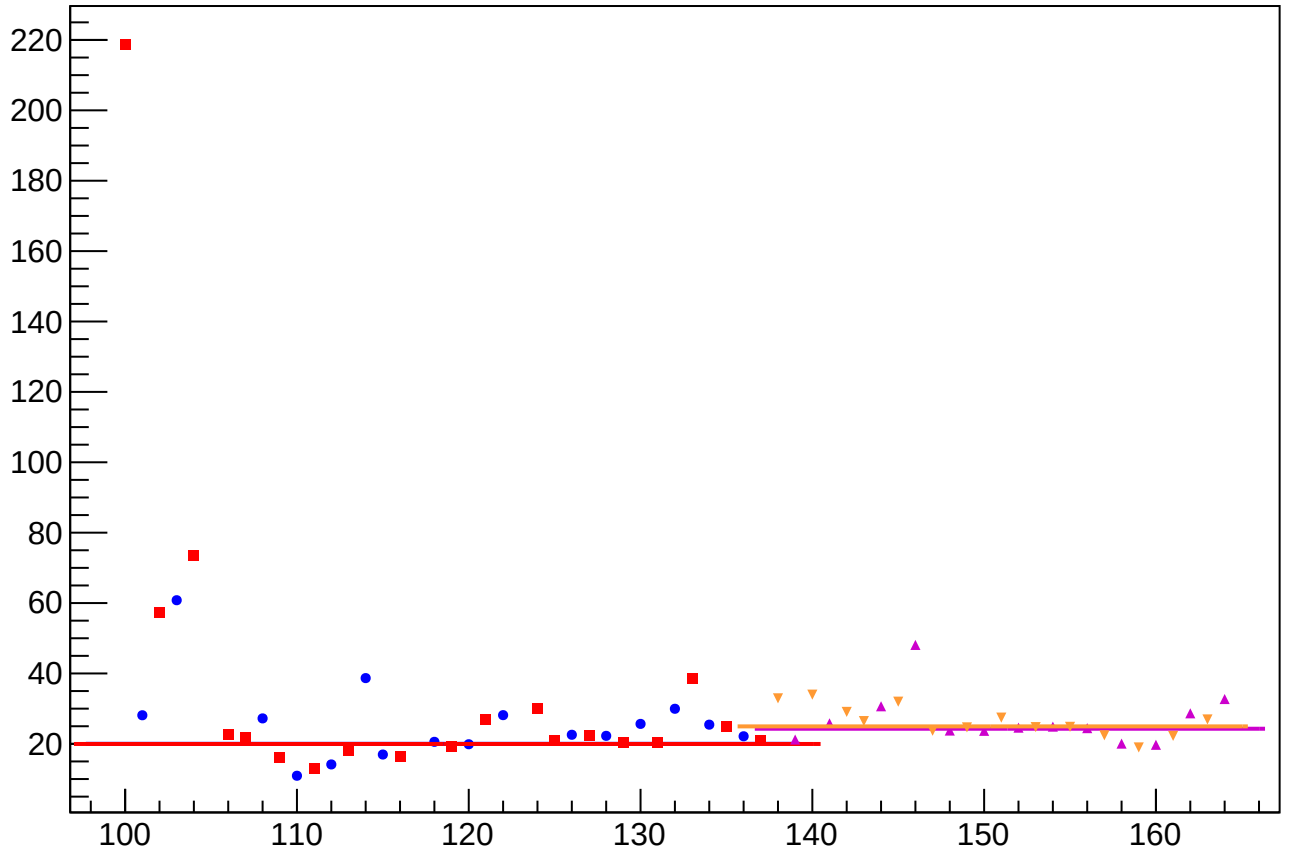
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 77.6/61

- sign 0.006+/-0.006 χ^2/NDF: 47.2/31



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

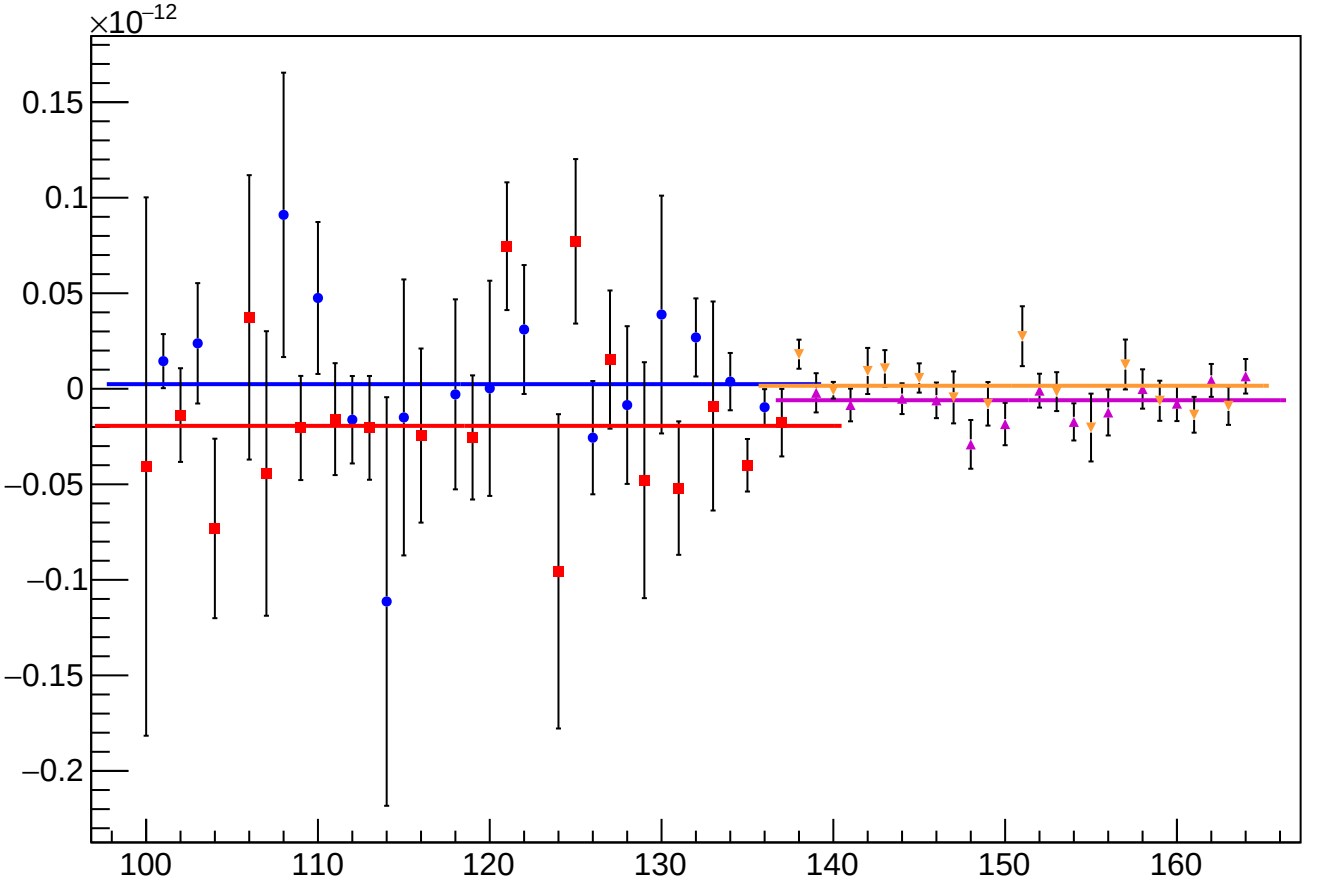
Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

+ sign 22.631+/-0.004 χ^2/NDF: 2556915.9/29

All: 22.443+/-0.003 χ^2/NDF: 5371535.9/61

- 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:16.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

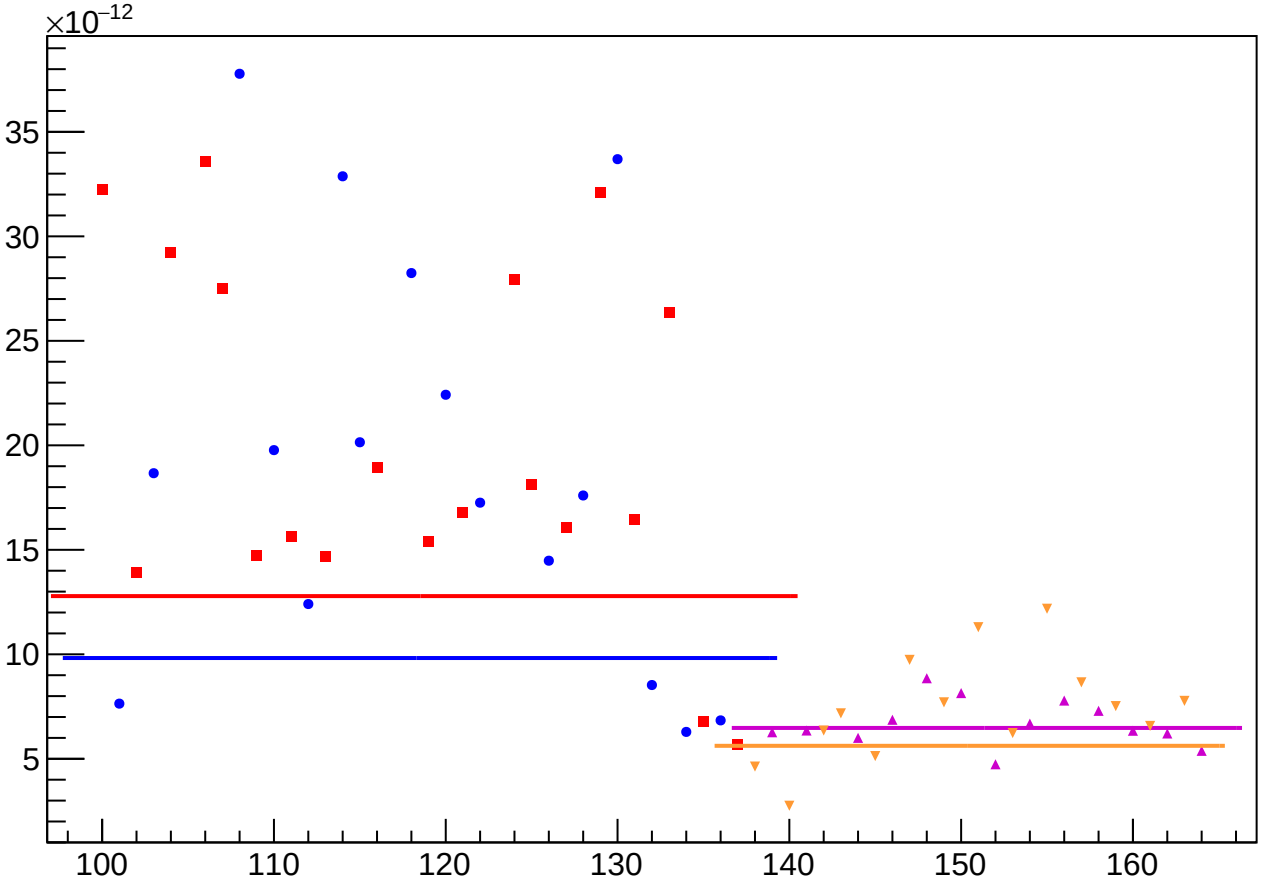
Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/29

All: -0.000+/-0.000 χ^2/NDF: 69.5/61

- 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:2053000.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

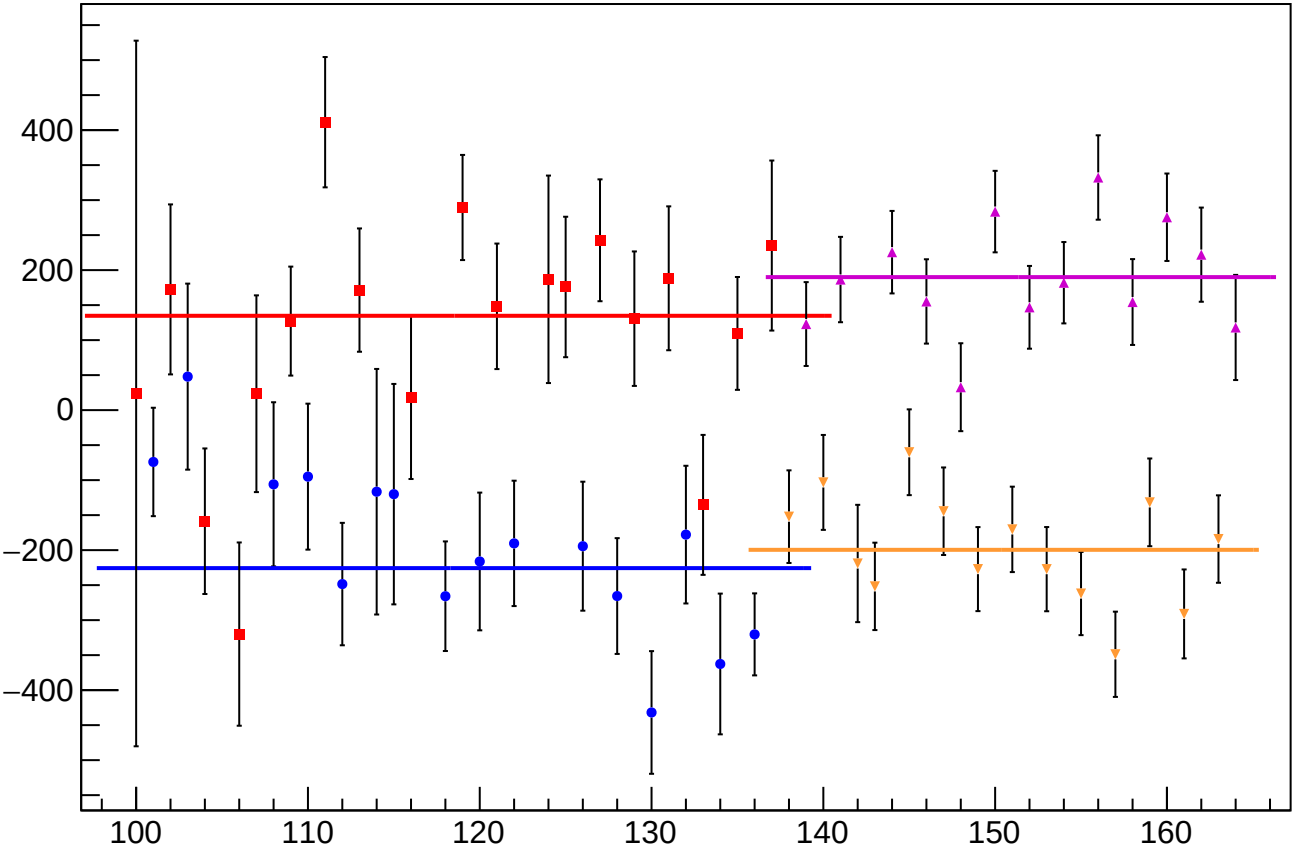
Left In: 0.000+/-0.000 χ^2/NDF:272110.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4947471.2/29

All: 0.000+/-0.000 χ^2/NDF: 8598270.3/61

- 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: -199.559+/-16.899 χ^2/NDF:20.3/13

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

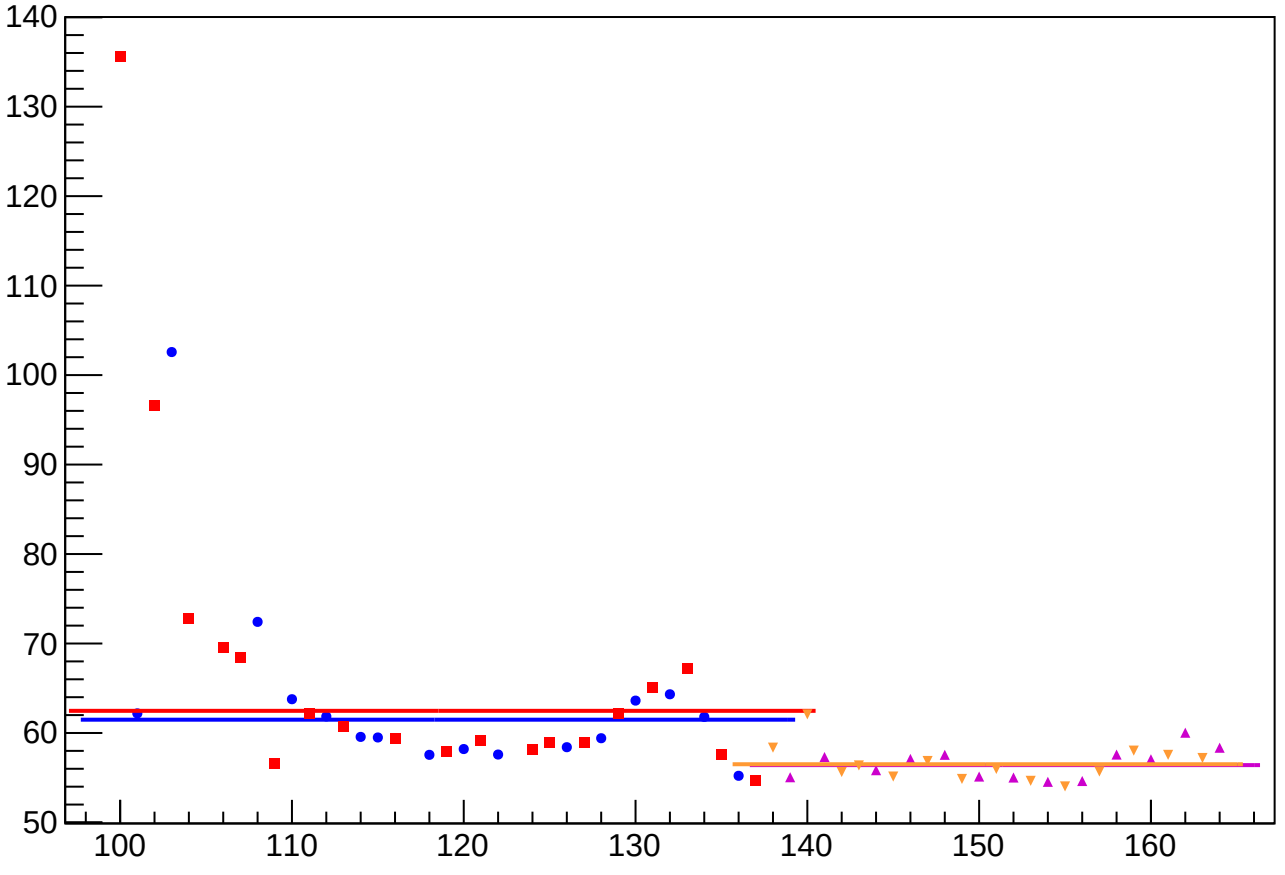
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -208.660+/-13.643 χ^2/NDF: 43.7/29

All: -20.356+/-9.681 χ^2/NDF: 496.7/61

- 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: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

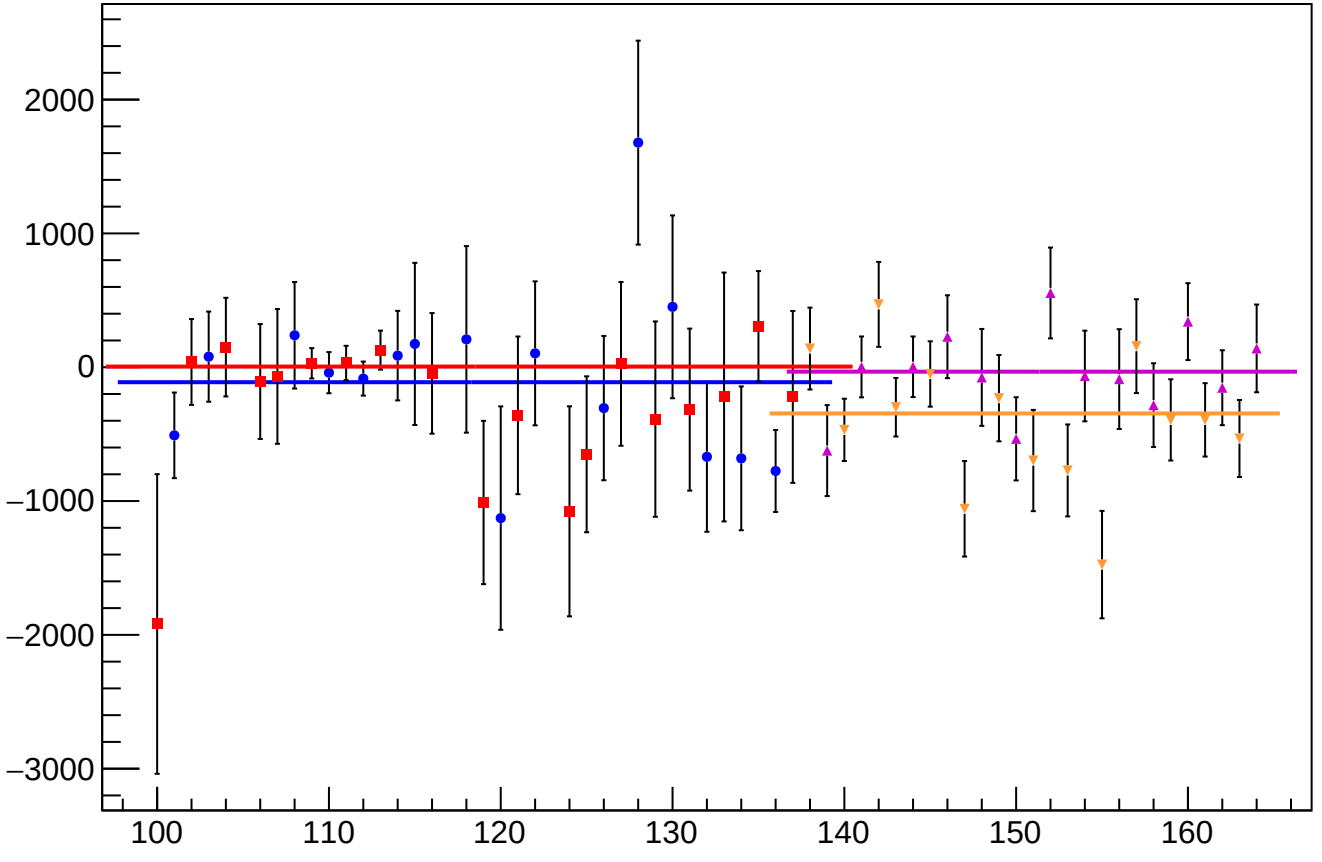
Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

+ sign 58.241+/-0.010 χ^2/NDF: 336898.7/29

All: 58.388+/-0.007 χ^2/NDF: 723899.2/61

- 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: -345.353+/-79.015 χ^2/NDF:27.9/13

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

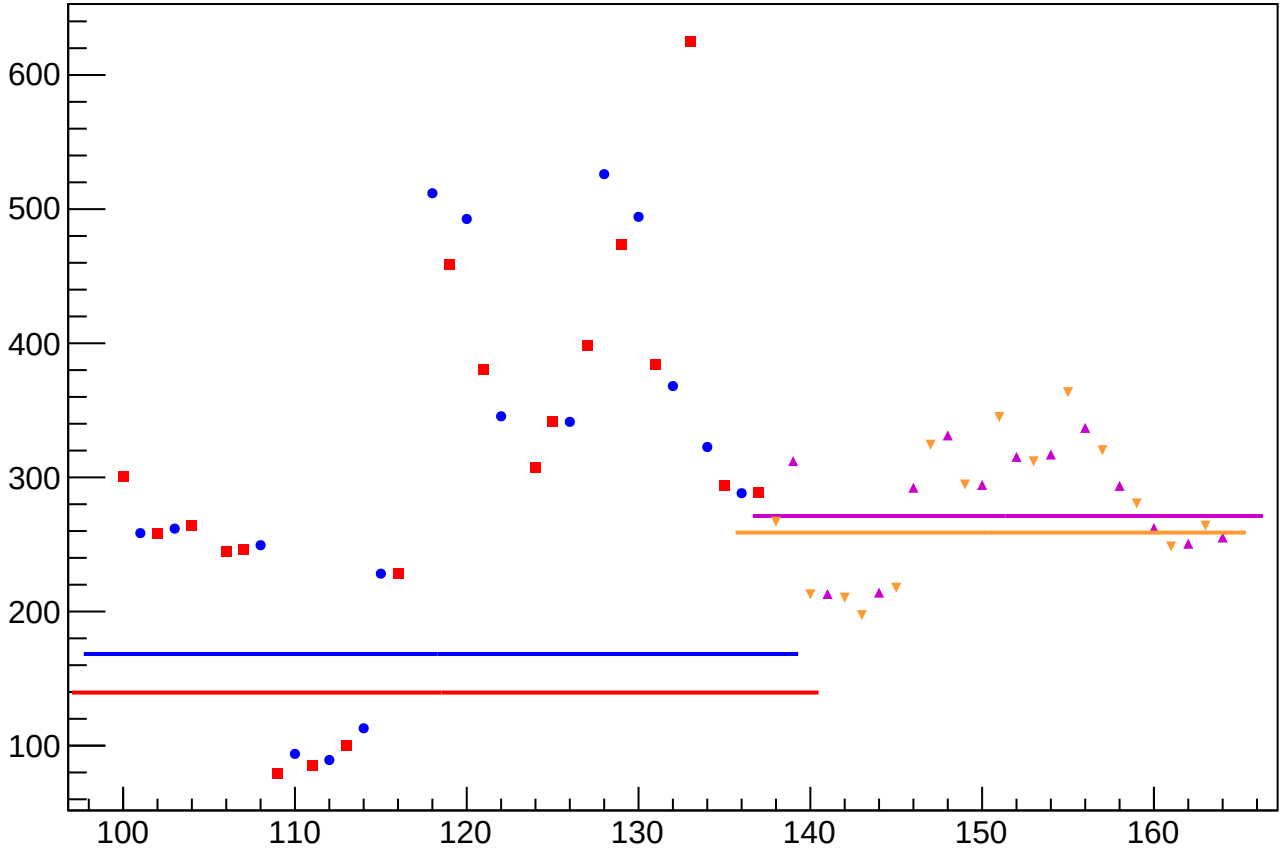
Left In: -33.219+/-83.083 χ^2/NDF:12.2/12

+ sign -224.405+/-54.854 χ^2/NDF: 50.8/29

All: -108.322+/-37.220 χ^2/NDF: 83.1/61

- 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: 258.843+/-0.056 χ^2/NDF:795666.1/13

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

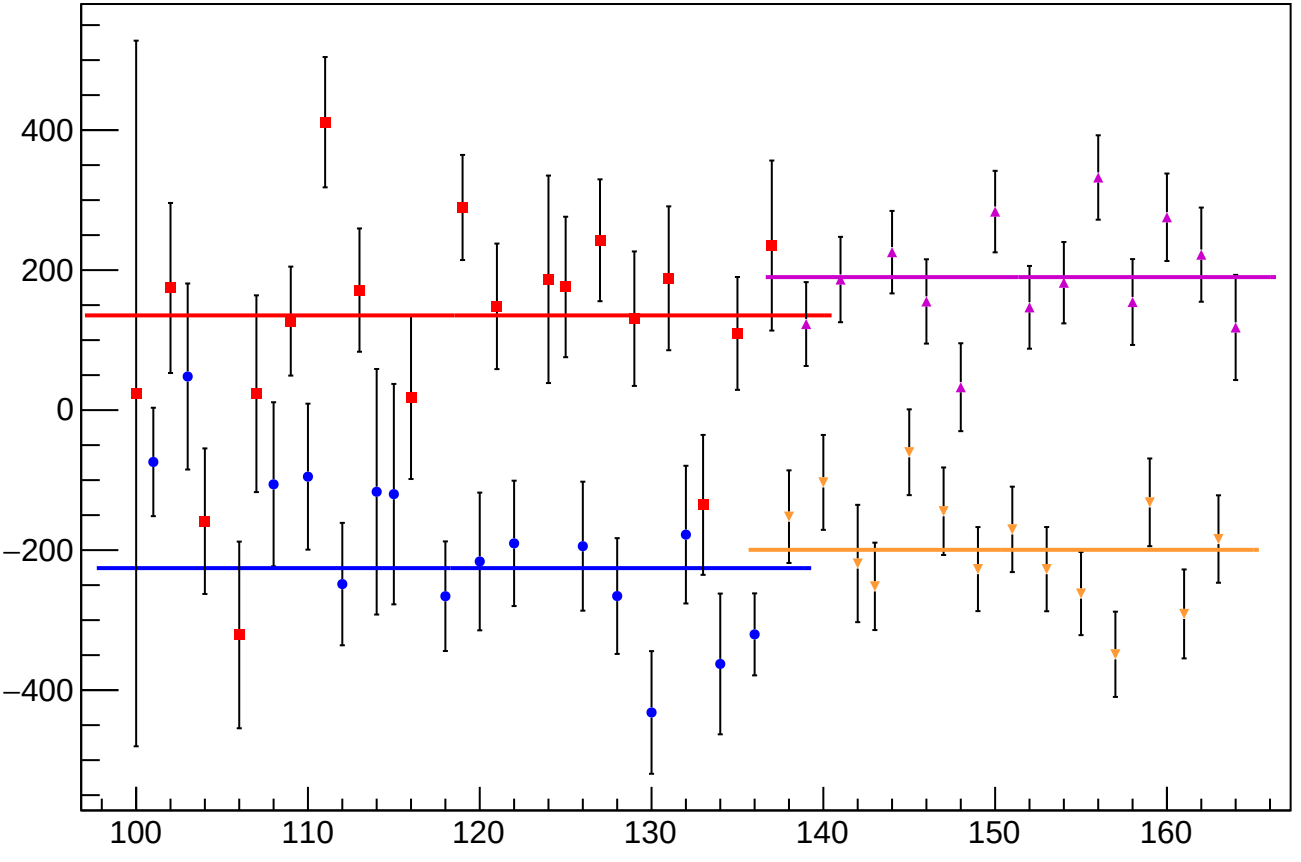
Left In: 271.211+/-0.059 χ^2/NDF:522788.6/12

+ sign 211.953+/-0.039 χ^2/NDF: 6699299.3/29

All: 199.321+/-0.026 χ^2/NDF: 15725261.8/61

- 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: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

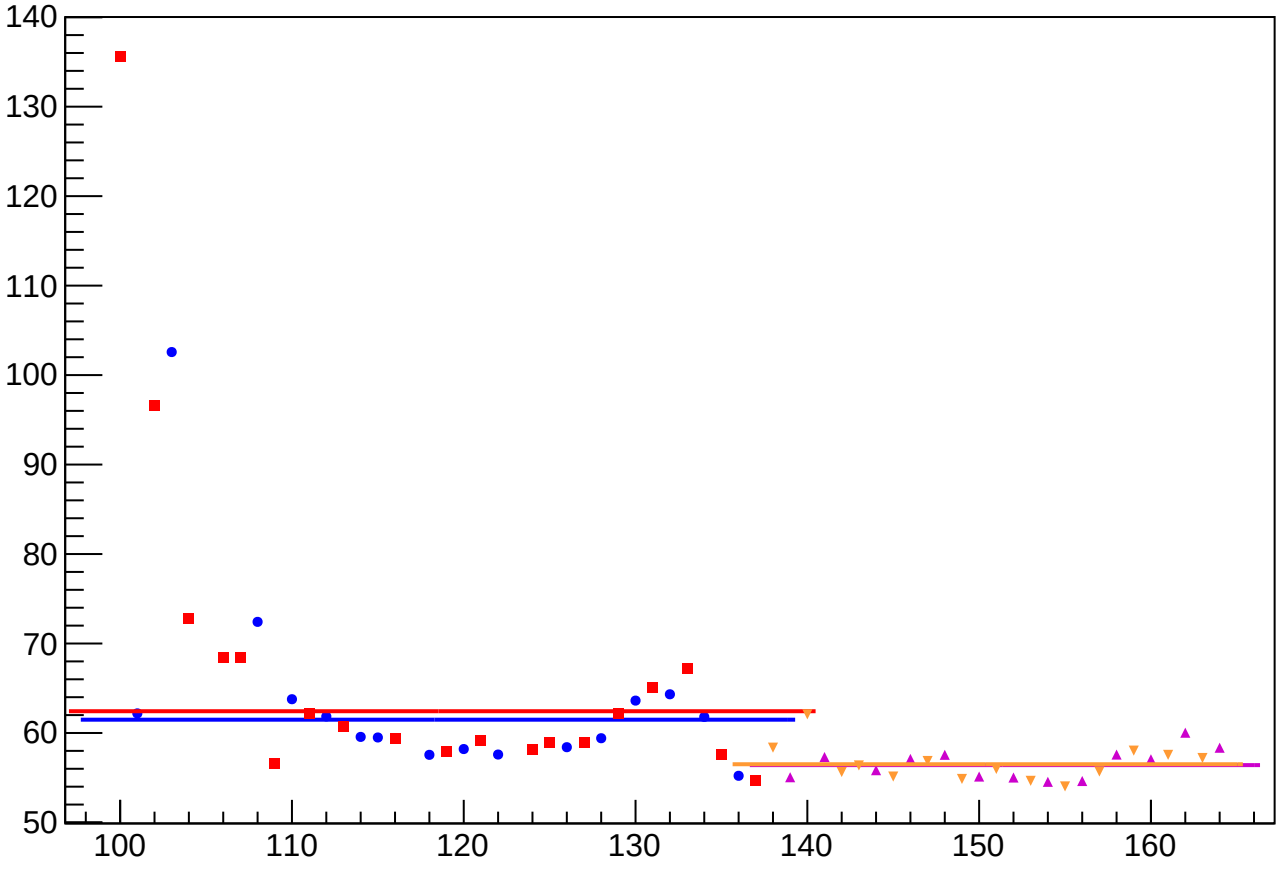
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -208.659+/-13.643 χ^2/NDF: 43.8/29

All: -20.291+/-9.682 χ^2/NDF: 496.6/61

- 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: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

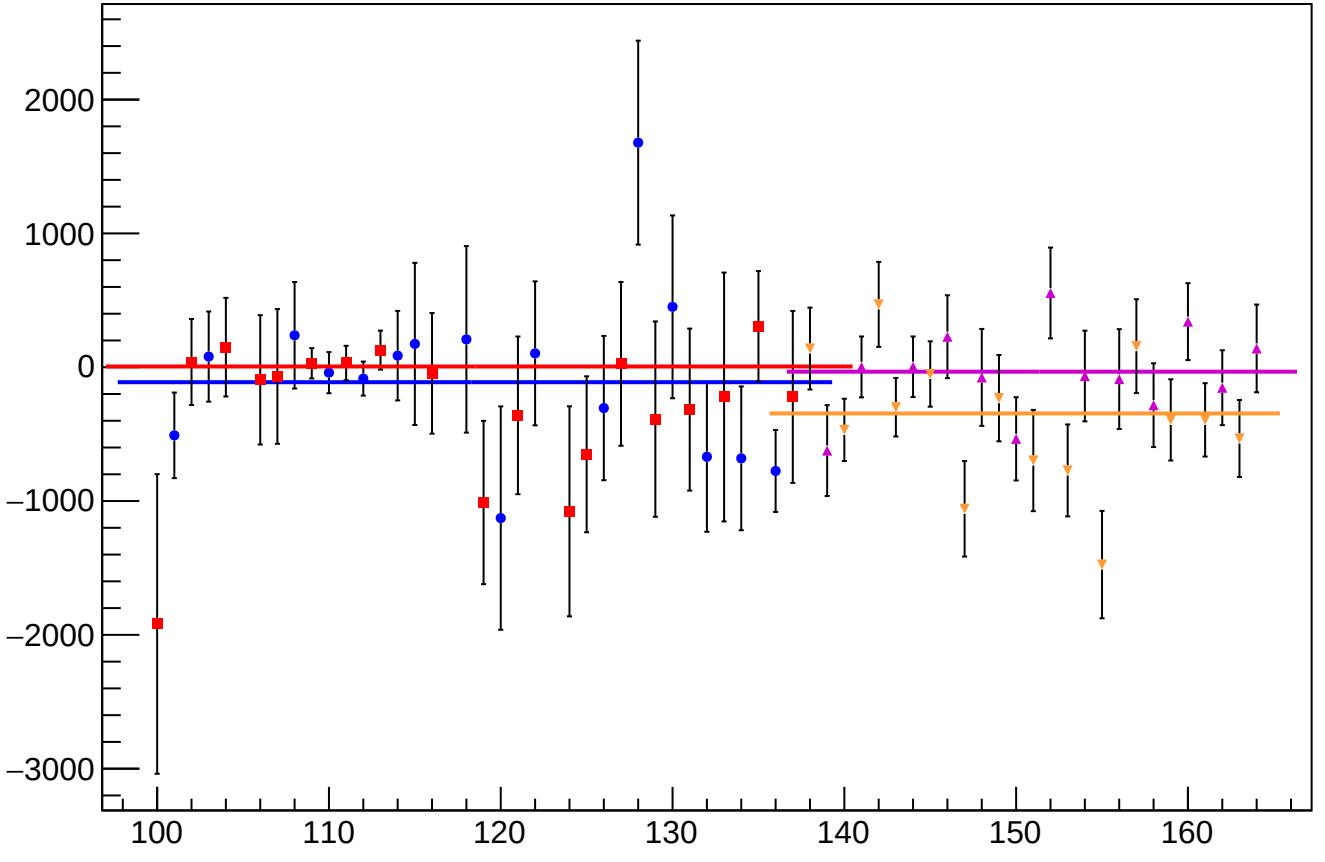
Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

+ sign 58.241+/-0.010 χ^2/NDF: 336901.4/29

All: 58.380+/-0.007 χ^2/NDF: 720787.9/61

- 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: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

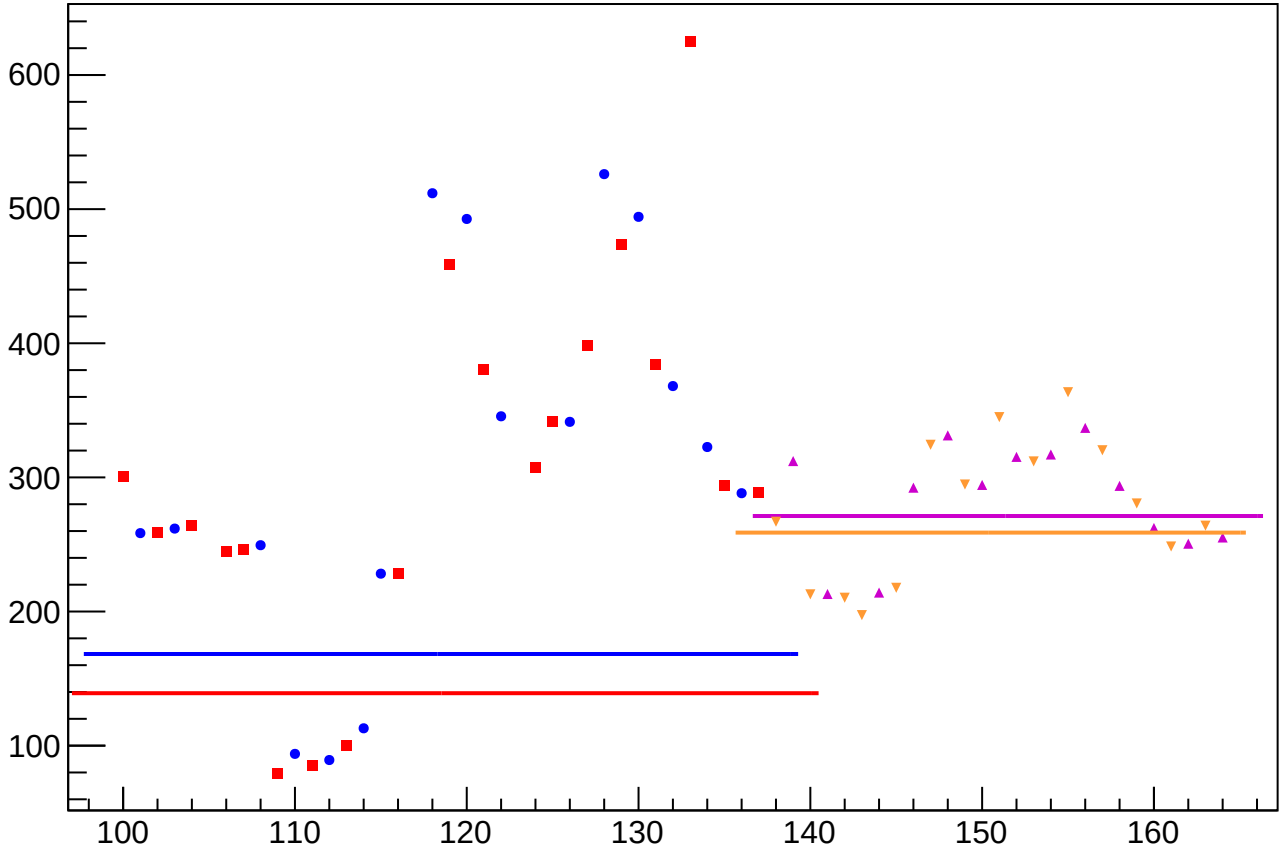
Left In: -33.214+/-83.083 χ^2/NDF:12.2/12

+ sign -224.395+/-54.854 χ^2/NDF: 50.8/29

All: -108.254+/-37.250 χ^2/NDF: 83.1/61

- 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: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

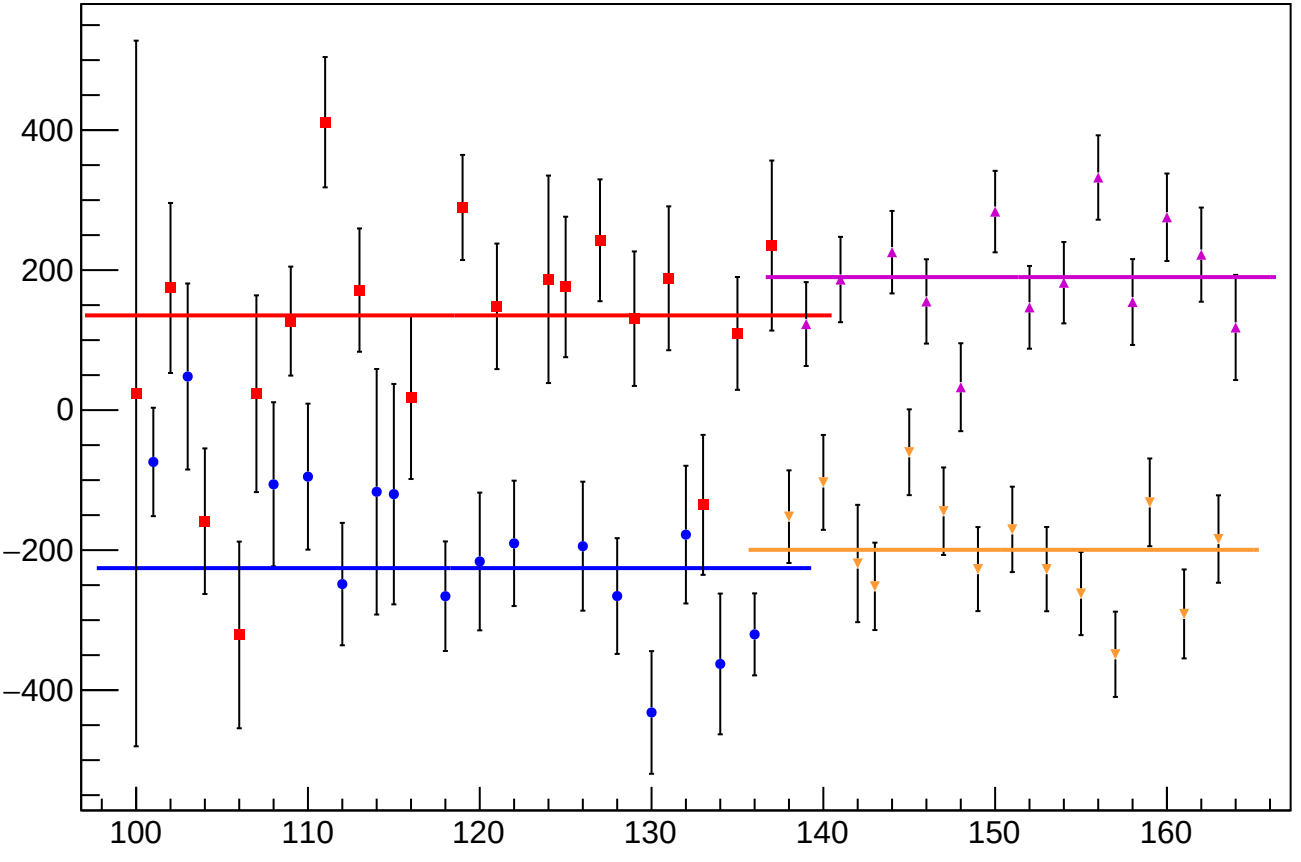
Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

+ sign 211.953+/-0.039 χ^2/NDF: 6699337.0/29

All: 199.252+/-0.026 χ^2/NDF: 15721427.1/61

- 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: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

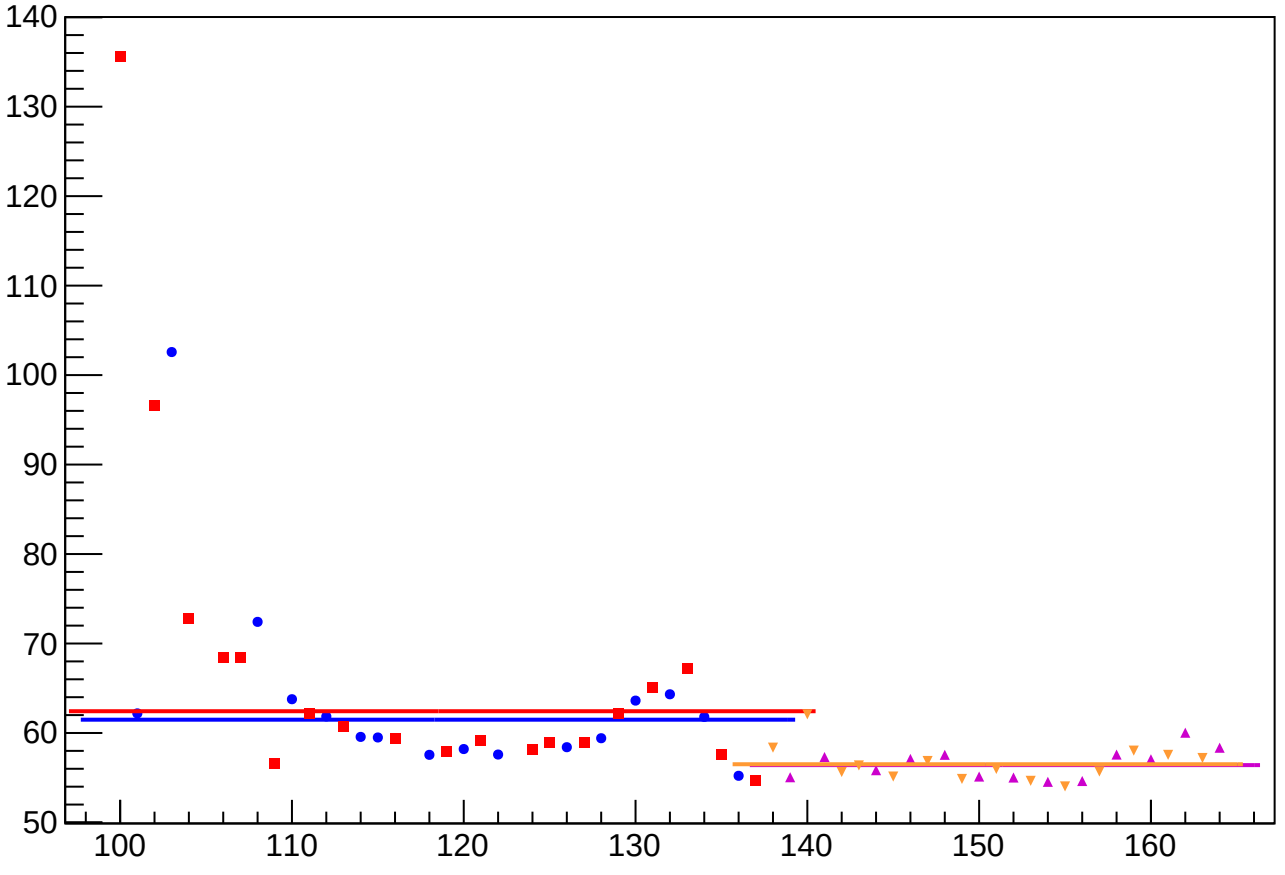
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -208.659+/-13.643 χ^2/NDF: 43.8/29

All: -20.291+/-9.682 χ^2/NDF: 496.6/61

- 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: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

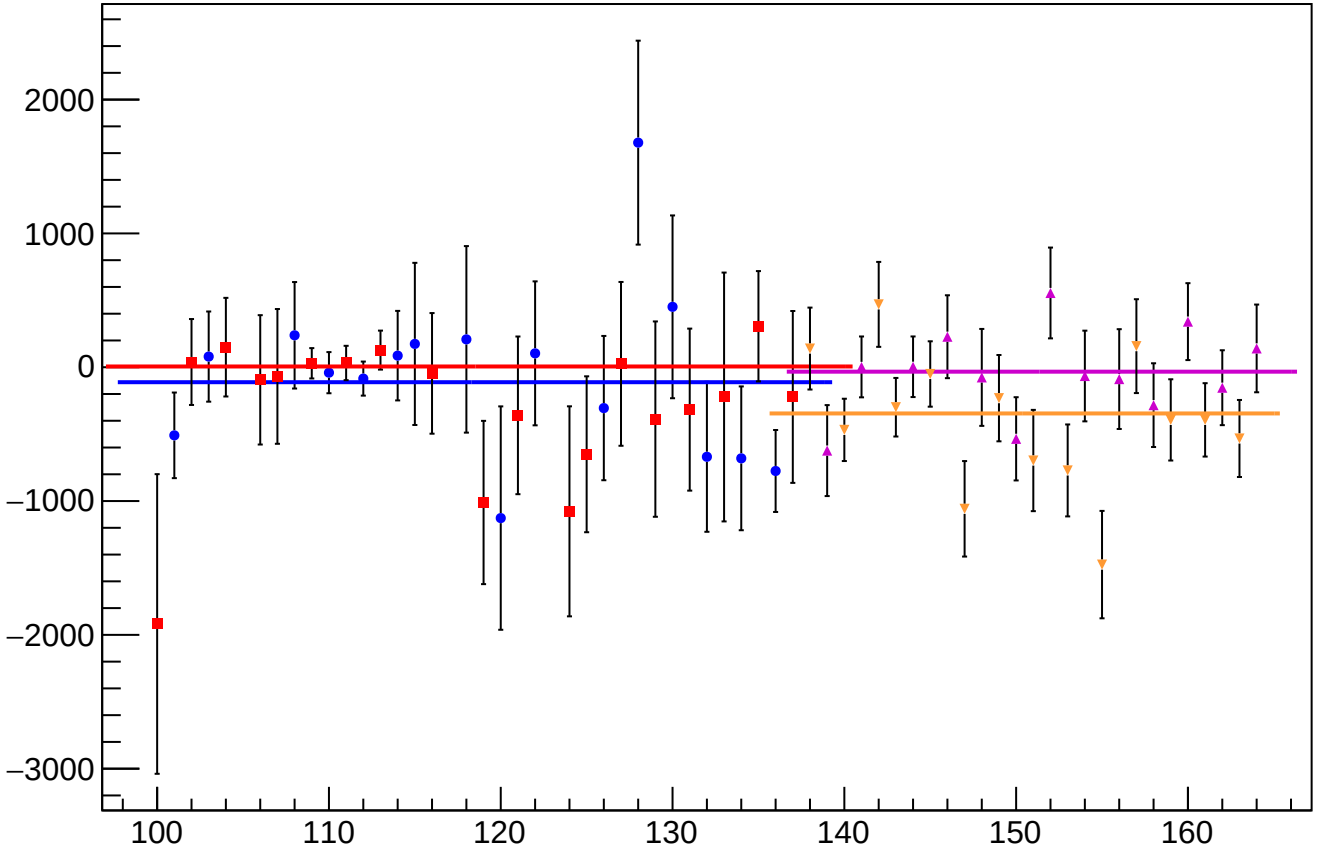
Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

+ sign 58.241+/-0.010 χ^2/NDF: 336901.4/29

All: 58.380+/-0.007 χ^2/NDF: 720787.9/61

- sign 58.521+/-0.010 χ^2/NDF: 383465.9/31

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

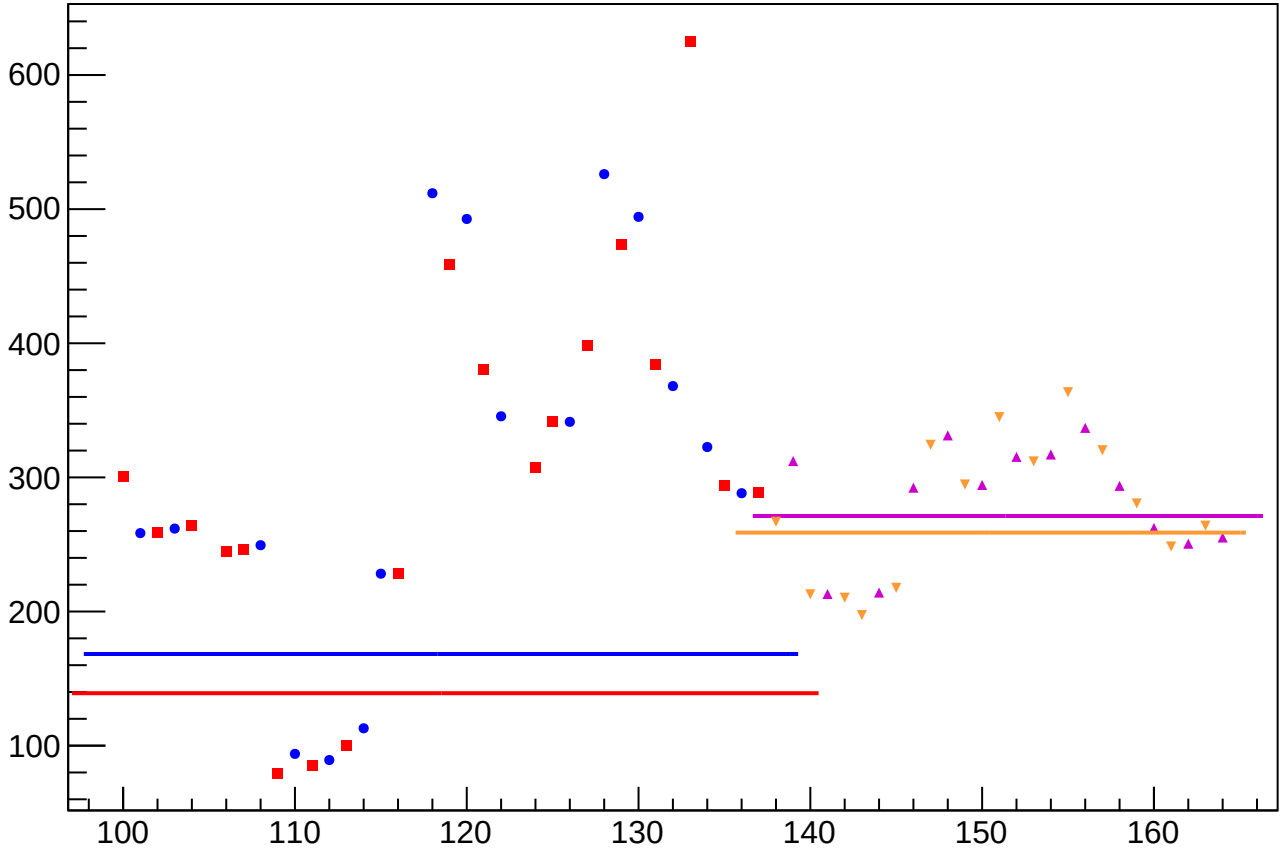
Left In: -33.214+/-83.083 χ^2/NDF:12.2/12

+ sign -224.395+/-54.854 χ^2/NDF: 50.8/29

All: -108.254+/-37.250 χ^2/NDF: 83.1/61

- sign -8.869+/-50.744 χ^2/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: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

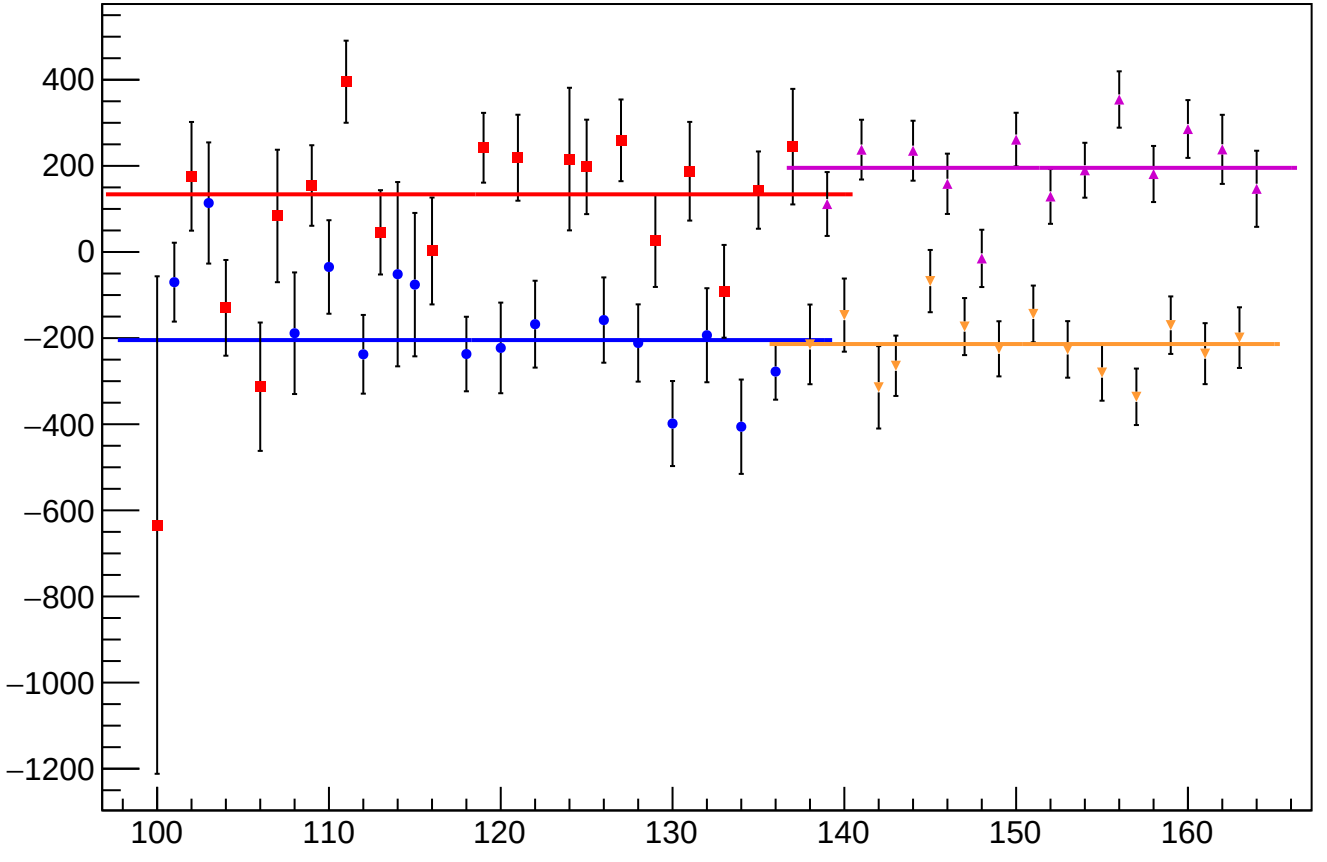
Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

+ sign 211.953+/-0.039 χ^2/NDF: 6699337.0/29

All: 199.252+/-0.026 χ^2/NDF: 15721427.1/61

- 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: -213.771+/-18.945 χ^2/NDF:13.0/13

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

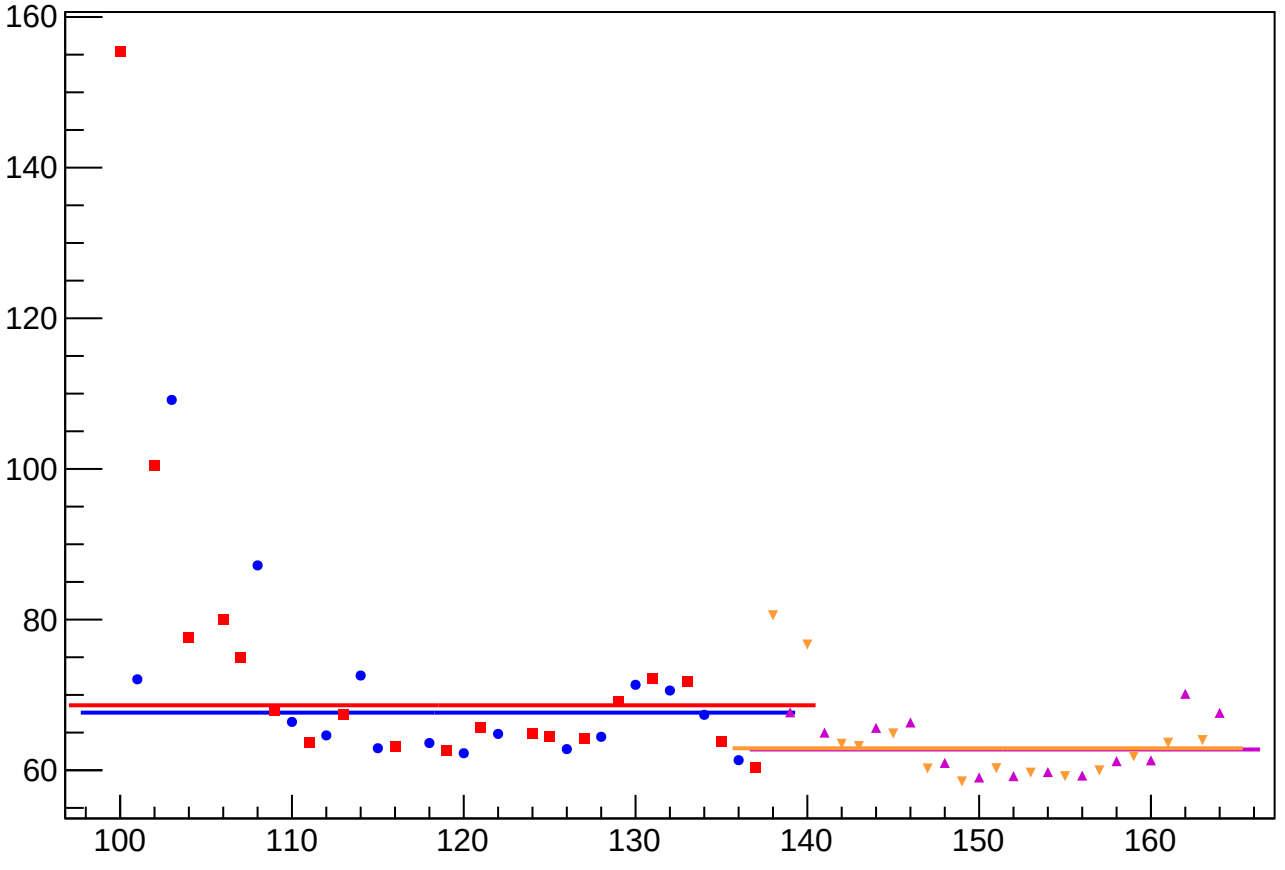
Left In: 195.401+/-19.067 χ^2/NDF:22.8/12

+ sign -210.505+/-15.212 χ^2/NDF: 33.1/29

All: -19.268+/-10.776 χ^2/NDF: 414.0/61

- 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: 62.913+/-0.013 χ^2/NDF:159504.1/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

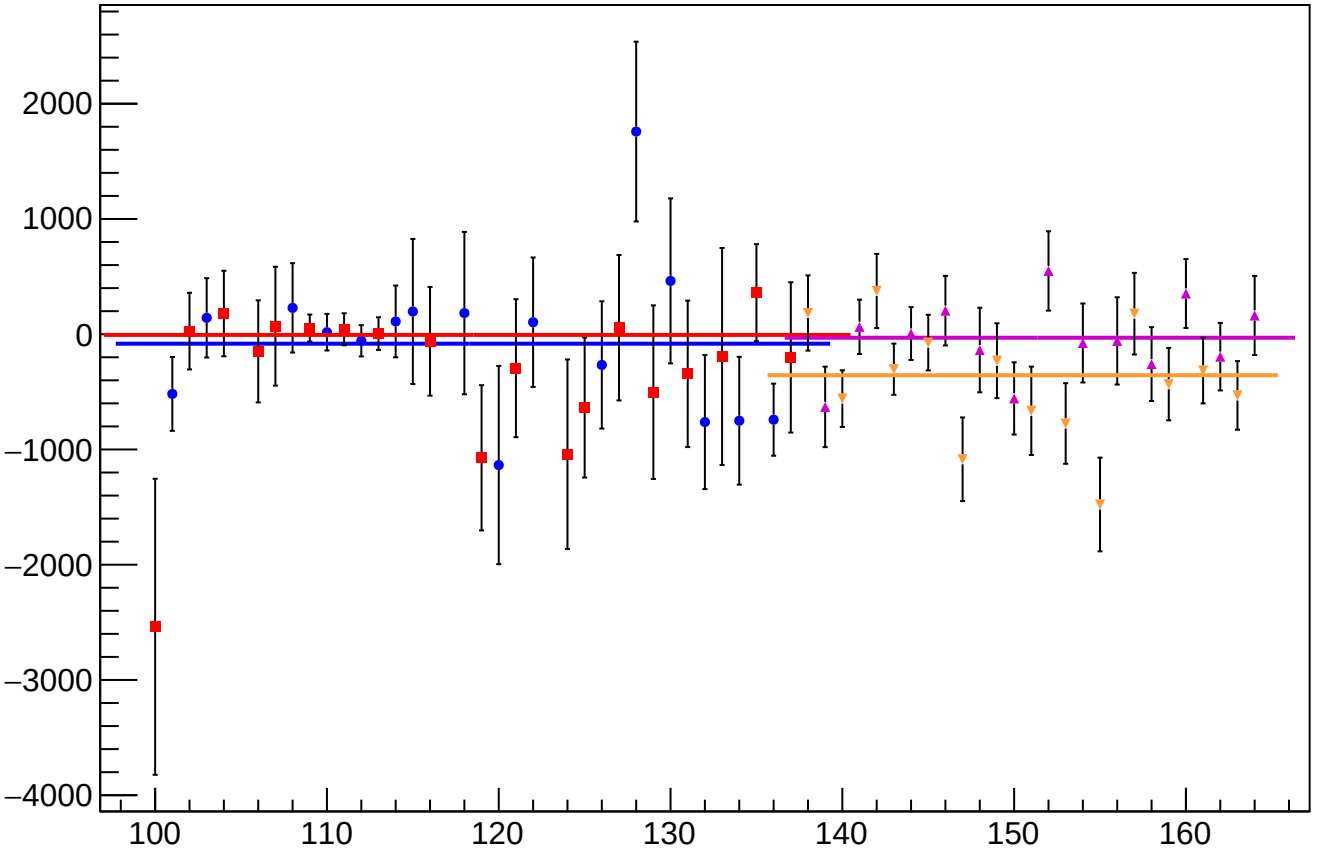
Left In: 62.757+/-0.013 χ^2/NDF:69409.9/12

+ sign 64.595+/-0.011 χ^2/NDF: 467539.7/29

All: 64.728+/-0.008 χ^2/NDF: 853393.7/61

- 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: -355.566+/-80.886 χ^2/NDF:26.6/13

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

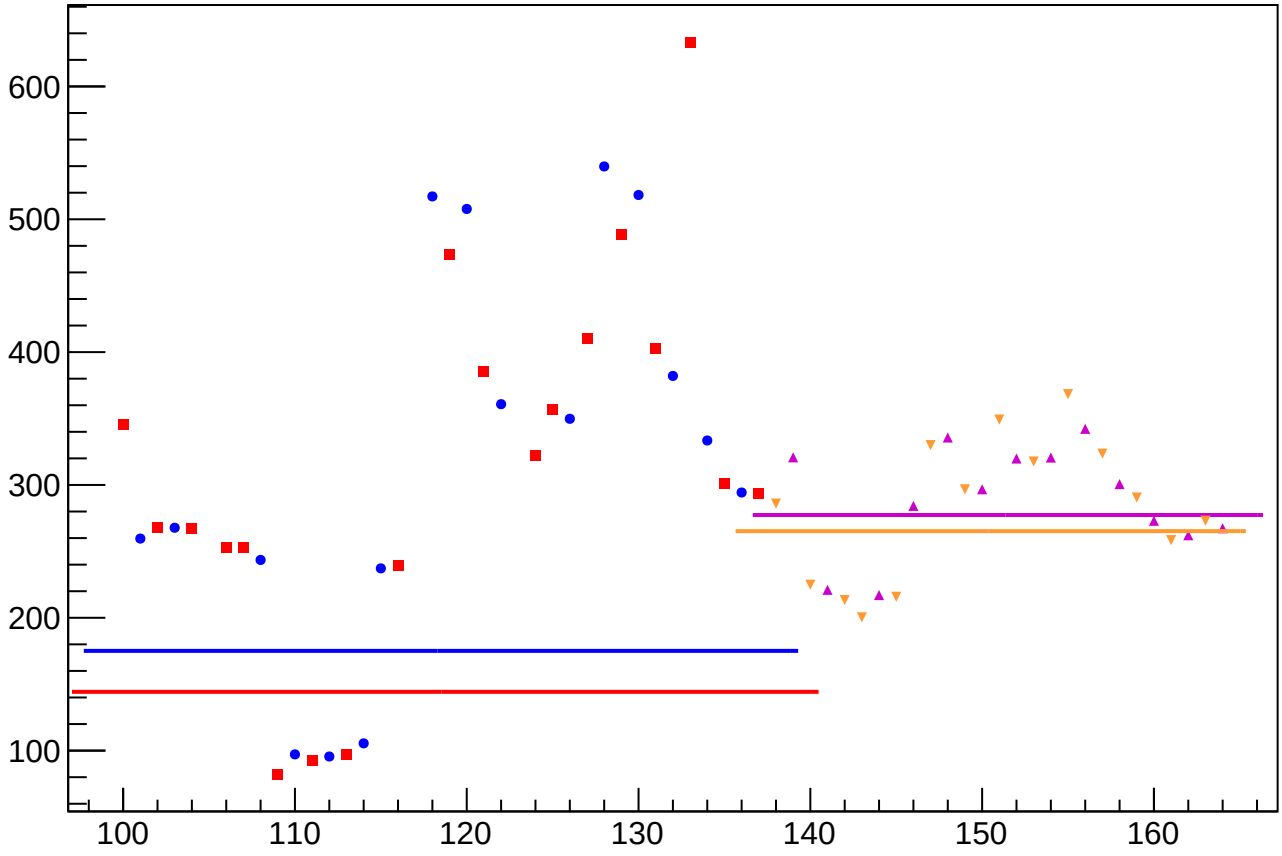
Left In: -30.601+/-84.884 χ^2/NDF:12.3/12

\+ sign -215.111+/-56.398 χ^2/NDF: 51.7/29

All: -107.222+/-38.253 χ^2/NDF: 82.8/61

\- 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: 265.234+/-0.057 χ^2/NDF:790239.4/13

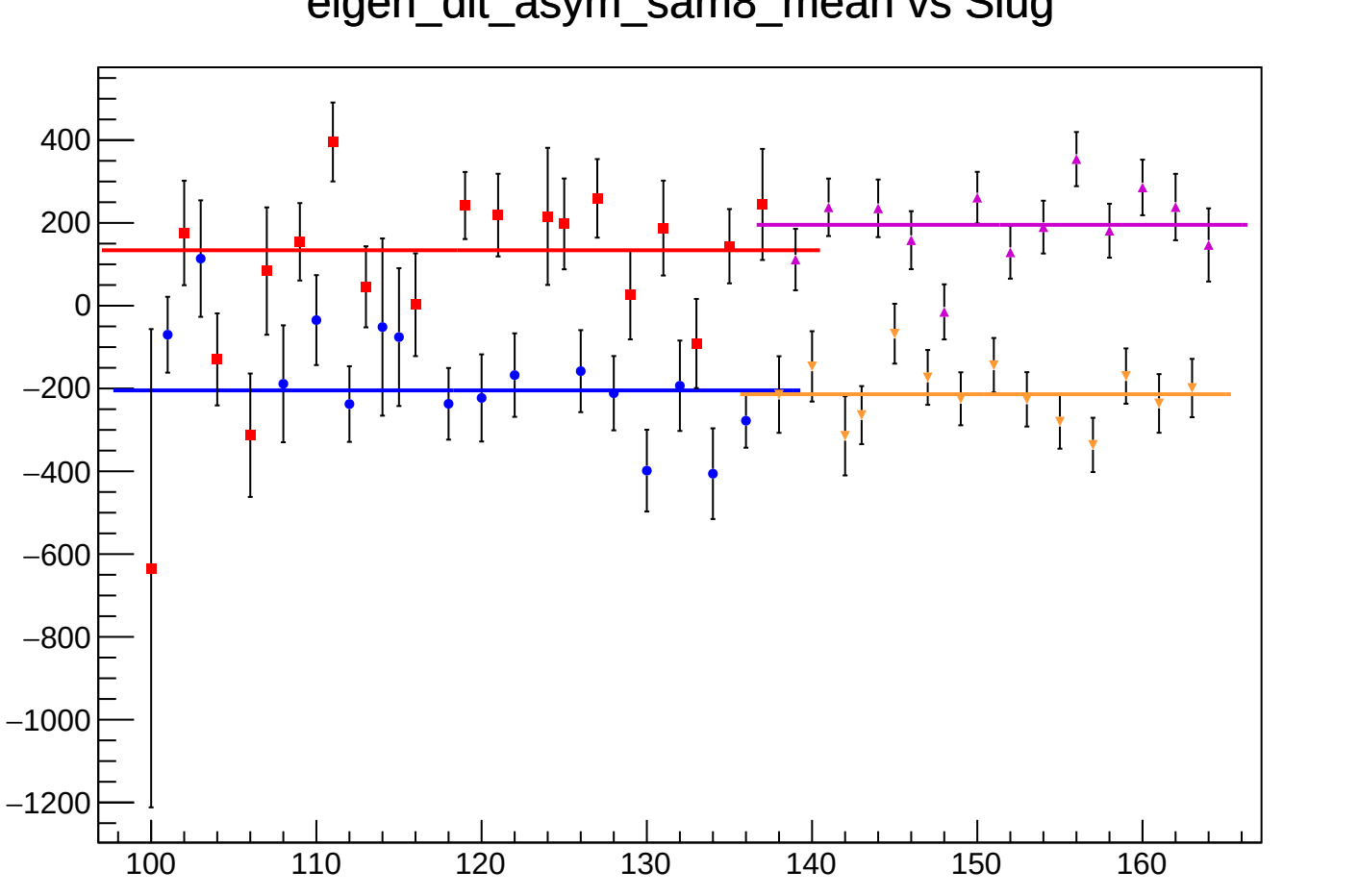
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.373+/-0.060 χ^2/NDF:481653.8/12

+ sign 218.918+/-0.040 χ^2/NDF: 6495444.5/29

All: 205.647+/-0.027 χ^2/NDF: 15382274.7/61

- 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: -213.770+/-18.945 χ^2/NDF:13.0/13

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

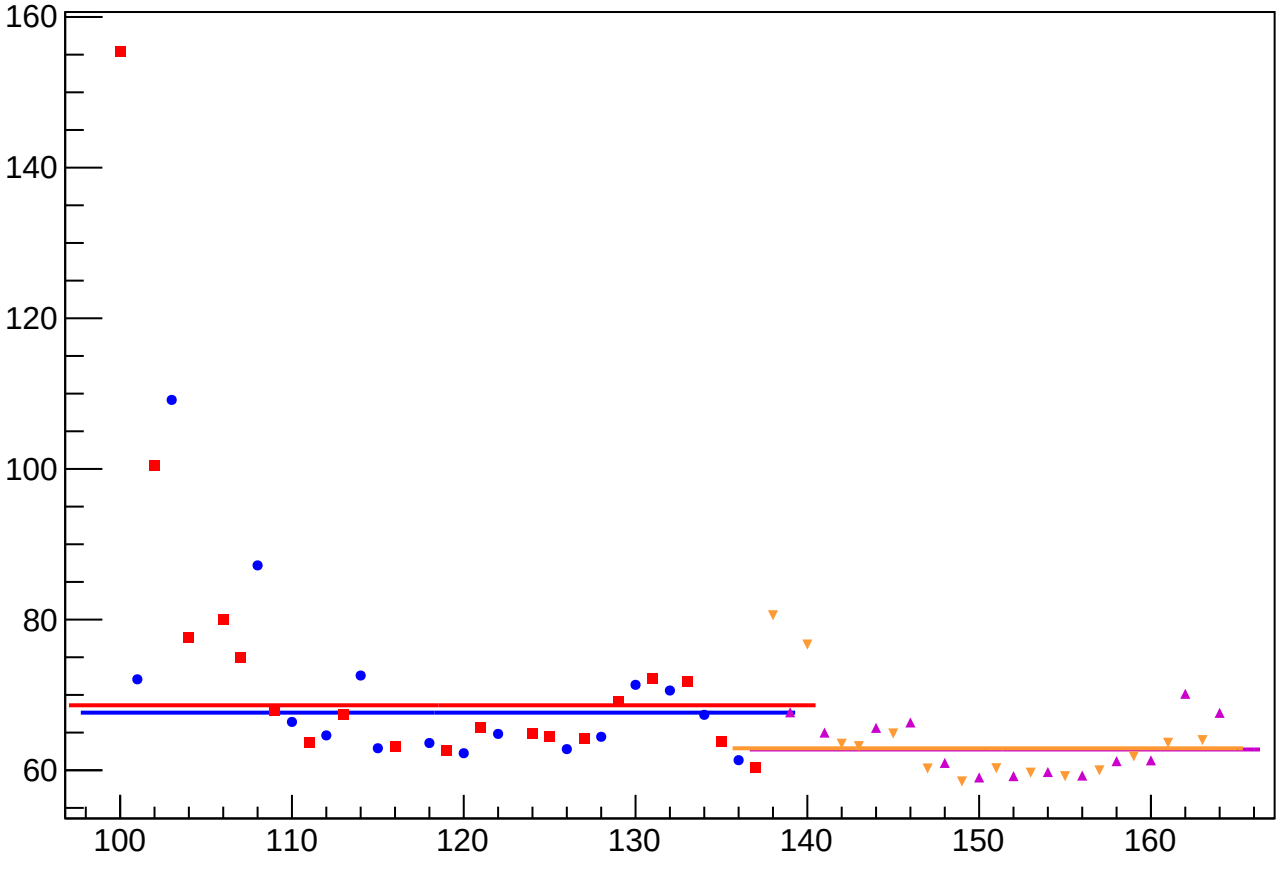
Left In: 195.402+/-19.067 χ^2/NDF:22.8/12

+ sign -210.504+/-15.212 χ^2/NDF: 33.1/29

All: -19.268+/-10.776 χ^2/NDF: 414.0/61

- 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: 62.913+/-0.013 χ^2/NDF:159503.0/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

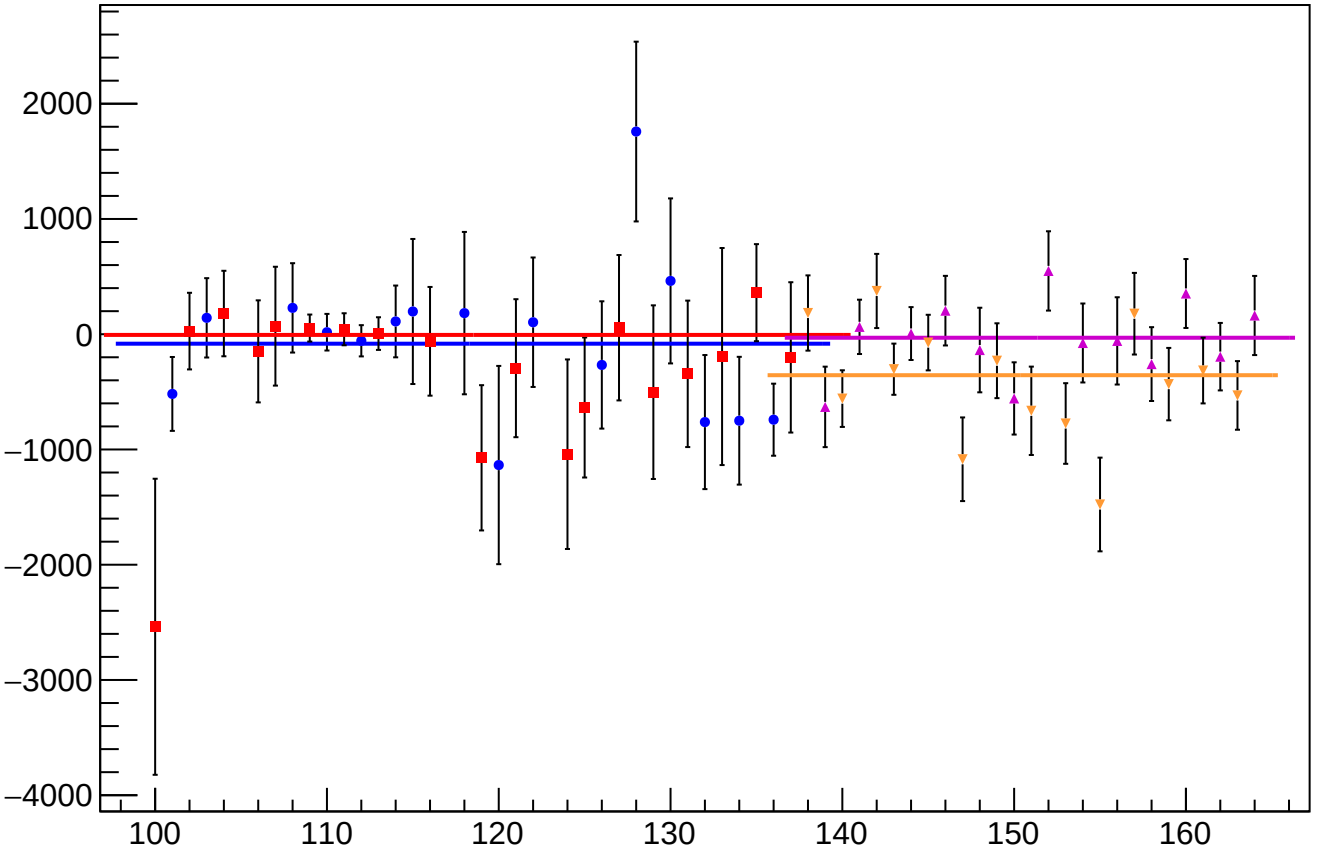
Left In: 62.757+/-0.013 χ^2/NDF:69410.1/12

+ sign 64.595+/-0.011 χ^2/NDF: 467533.8/29

All: 64.728+/-0.008 χ^2/NDF: 853383.8/61

- 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: -355.565+/-80.886 χ^2/NDF:26.6/13

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

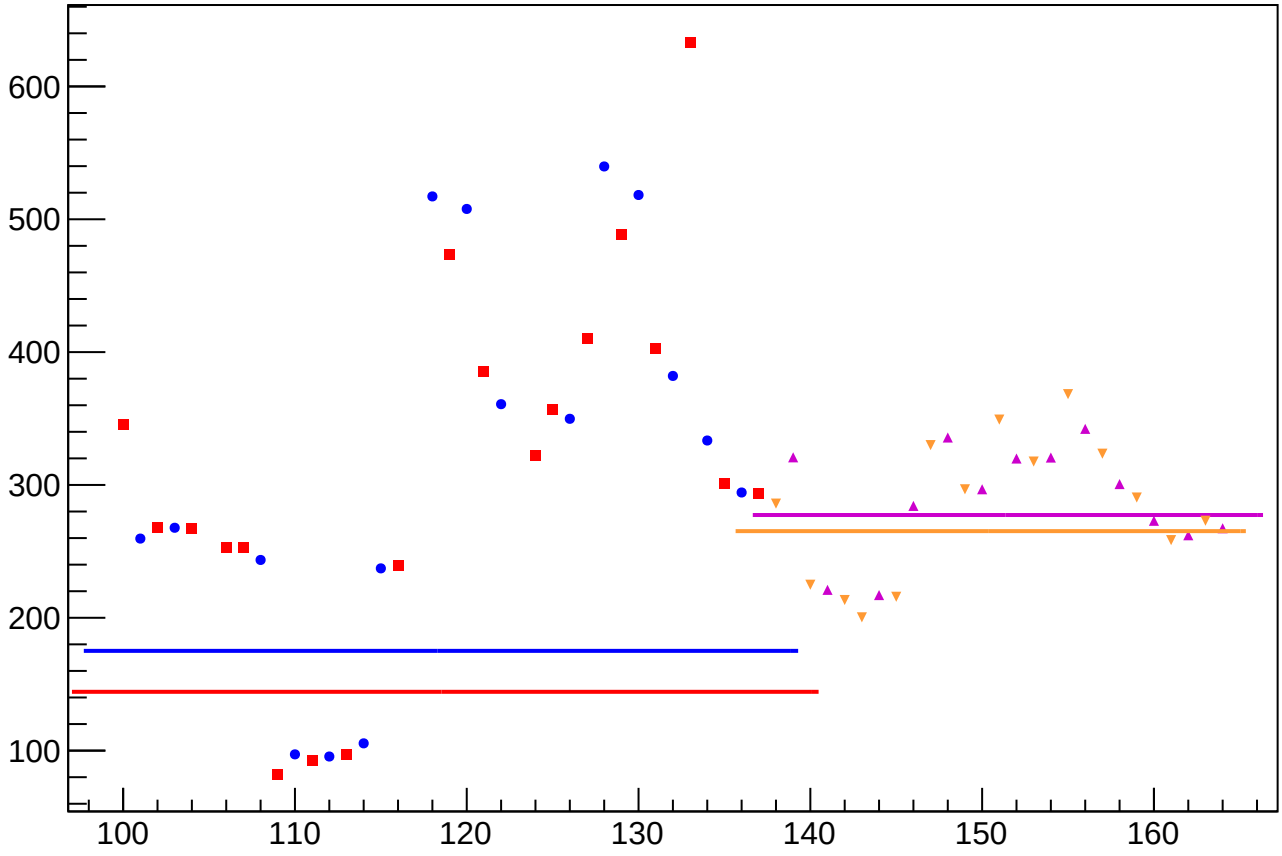
Left In: -30.601+/-84.884 χ^2/NDF:12.3/12

+ sign -215.109+/-56.397 χ^2/NDF: 51.7/29

All: -107.221+/-38.253 χ^2/NDF: 82.8/61

- 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: 265.232+/-0.057 χ^2/NDF:790247.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

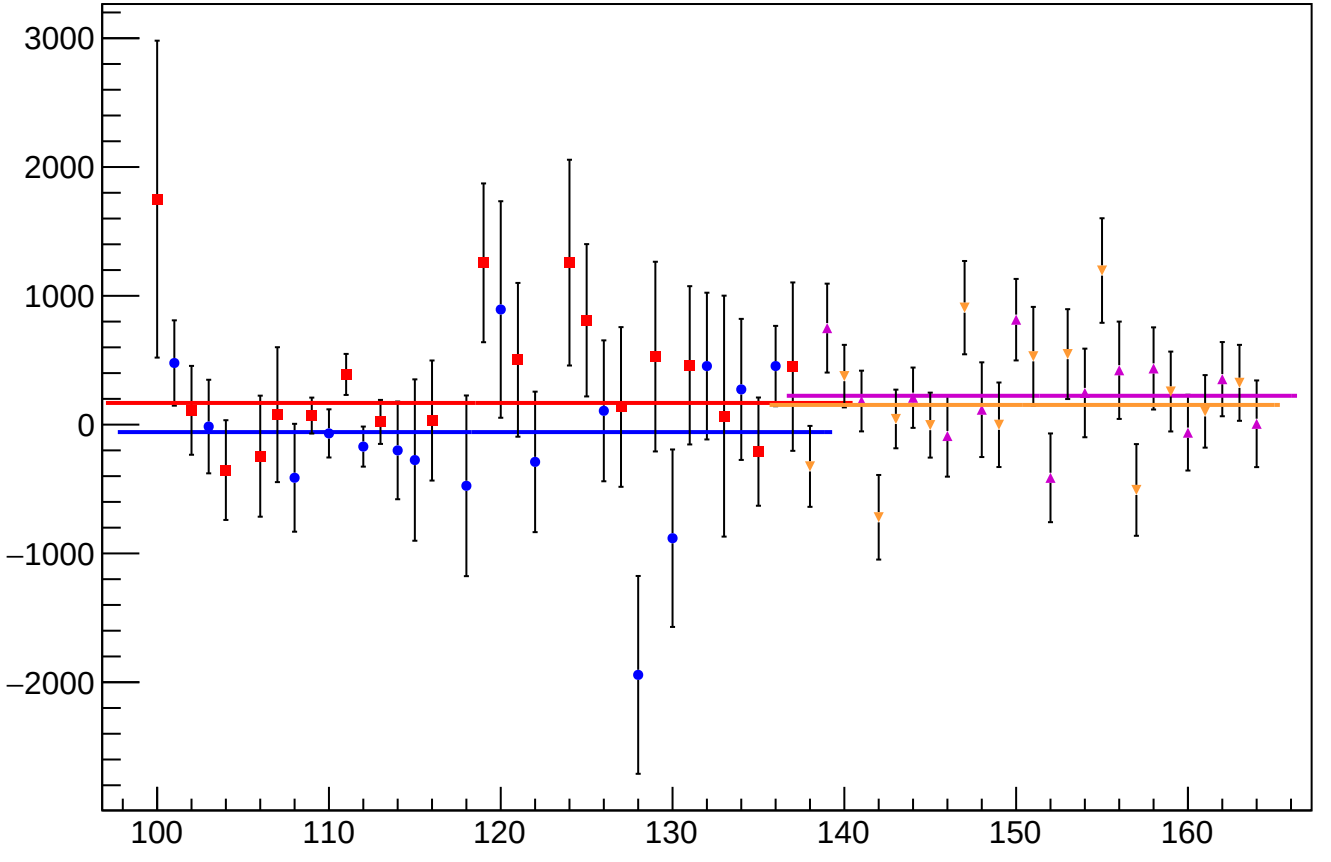
Left In: 277.372+/-0.060 χ^2/NDF:481655.1/12

+ sign 218.917+/-0.040 χ^2/NDF: 6495495.4/29

All: 205.646+/-0.027 χ^2/NDF: 15382284.0/61

- 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: 152.866+/-81.168 χ^2/NDF:28.2/13

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

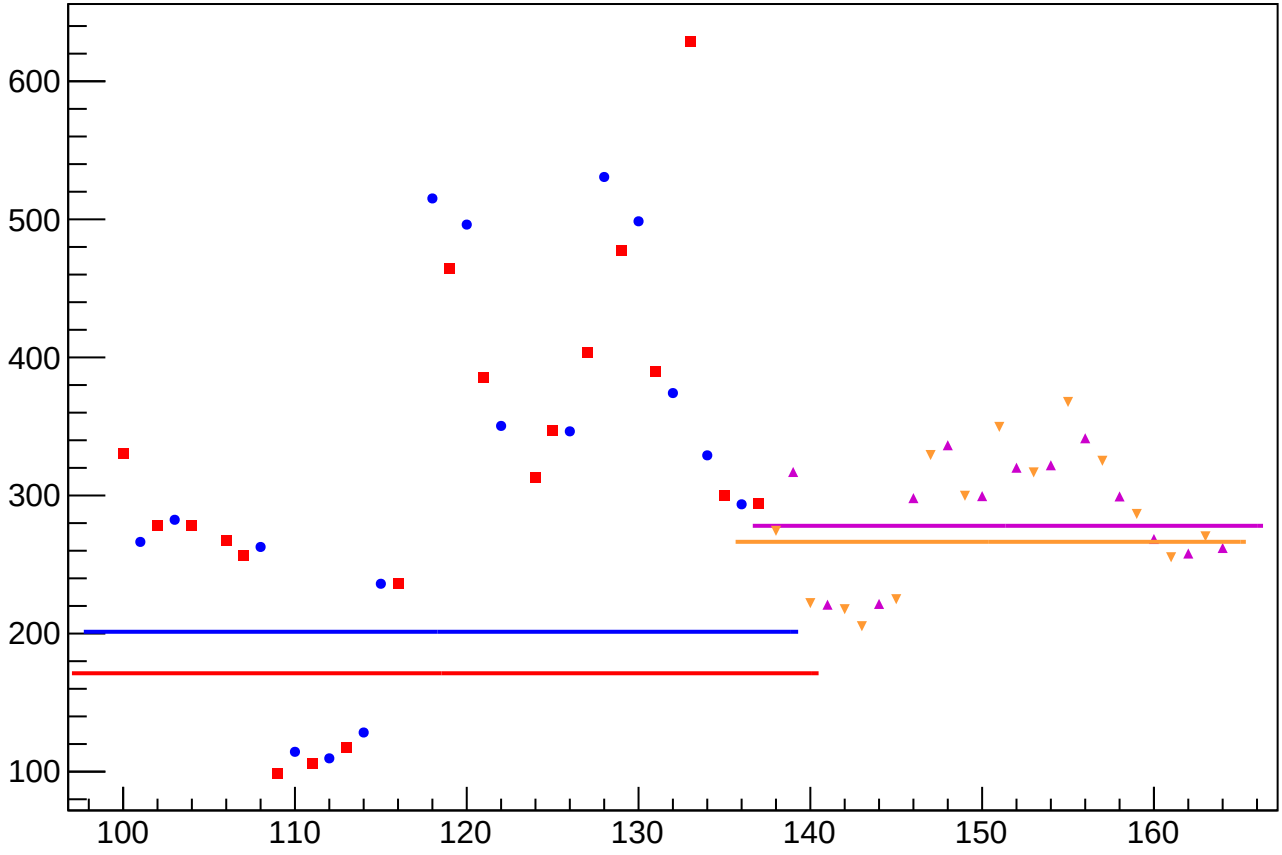
Left In: 223.922+/-85.062 χ^2/NDF:12.6/12

+ sign 54.619+/-59.314 χ^2/NDF: 48.7/29

All: 127.411+/-40.752 χ^2/NDF: 79.9/61

- 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: 266.457+/-0.057 χ^2/NDF:718327.9/13

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

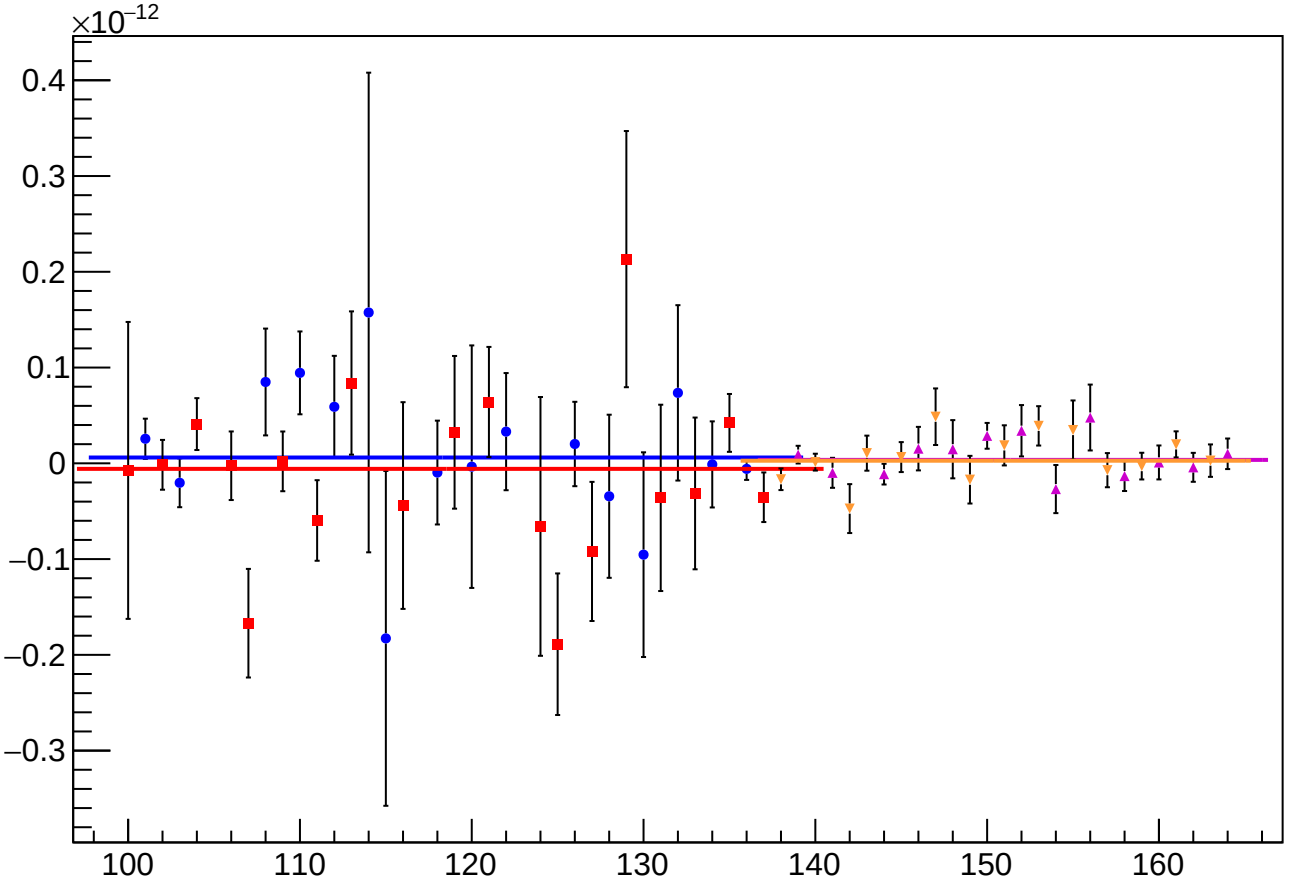
Left In: 278.046+/-0.060 χ^2/NDF:471364.6/12

+ sign 236.095+/-0.042 χ^2/NDF: 4891070.0/29

All: 226.373+/-0.029 χ^2/NDF: 11438766.8/61

- 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:16.9/13

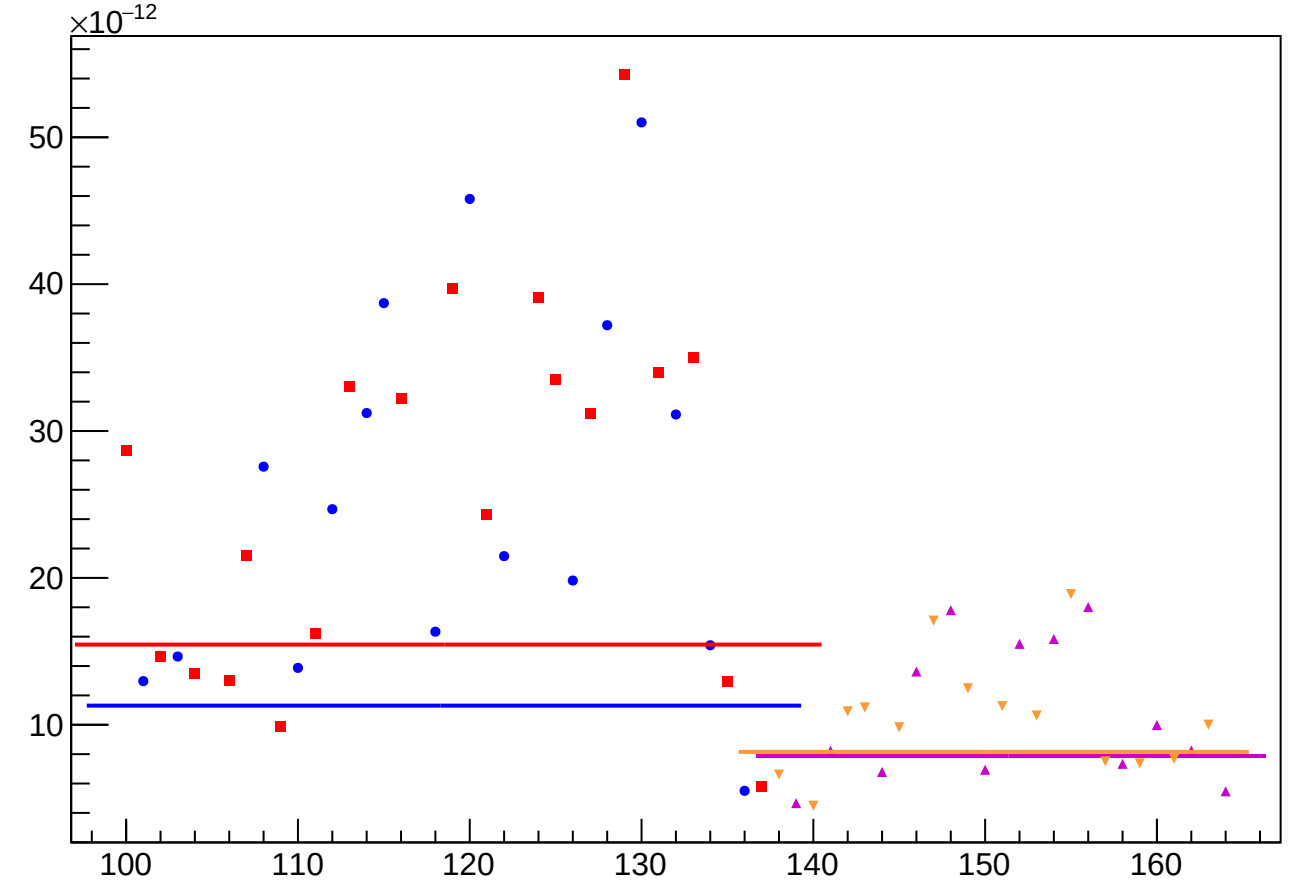
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/29

All: 0.000+/-0.000 χ^2/NDF: 75.1/61

- 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:1079259.6/13

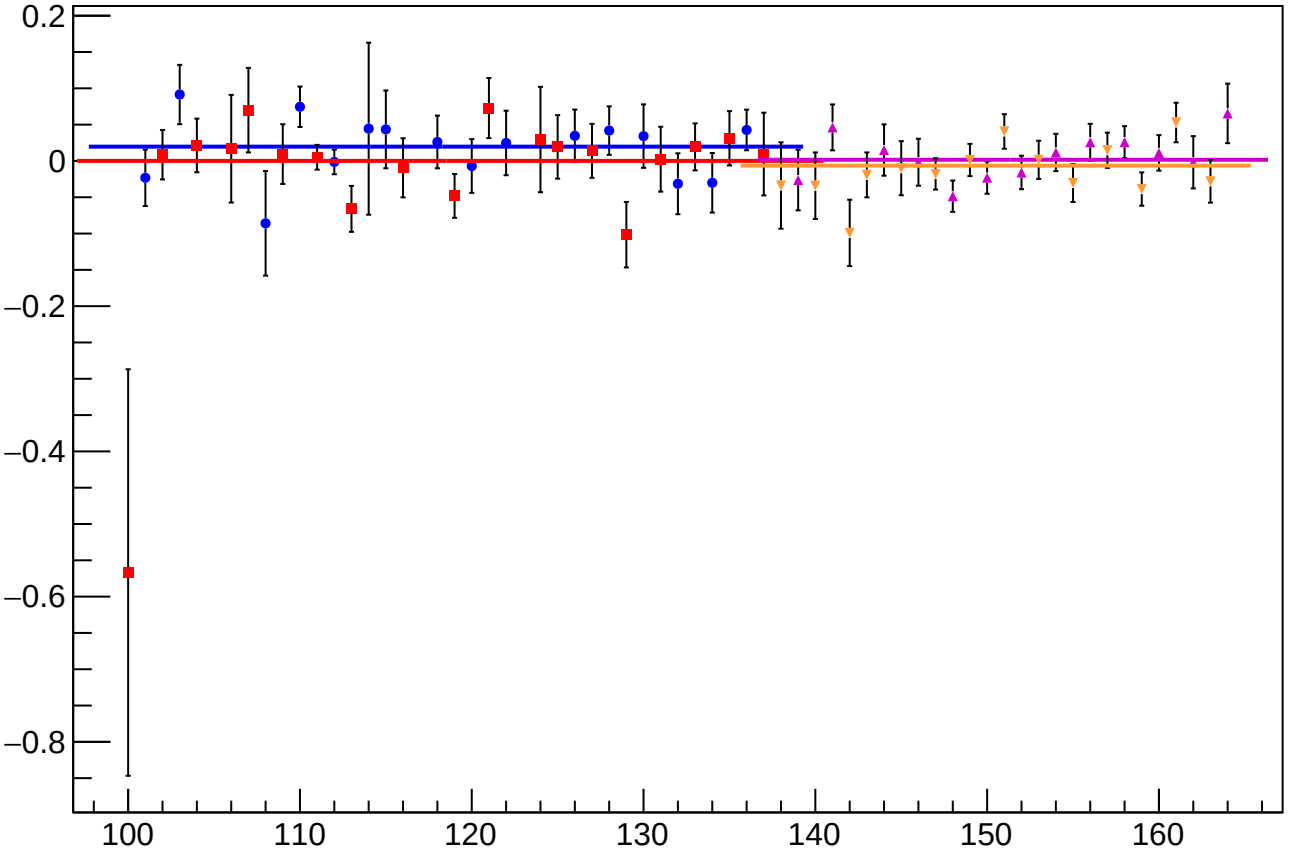
Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1228623.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3097707.9/29

All: 0.000+/-0.000 χ^2/NDF: 6708036.5/61

- sign 0.000+/-0.000 χ^2/NDF: 3606655.0/31



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

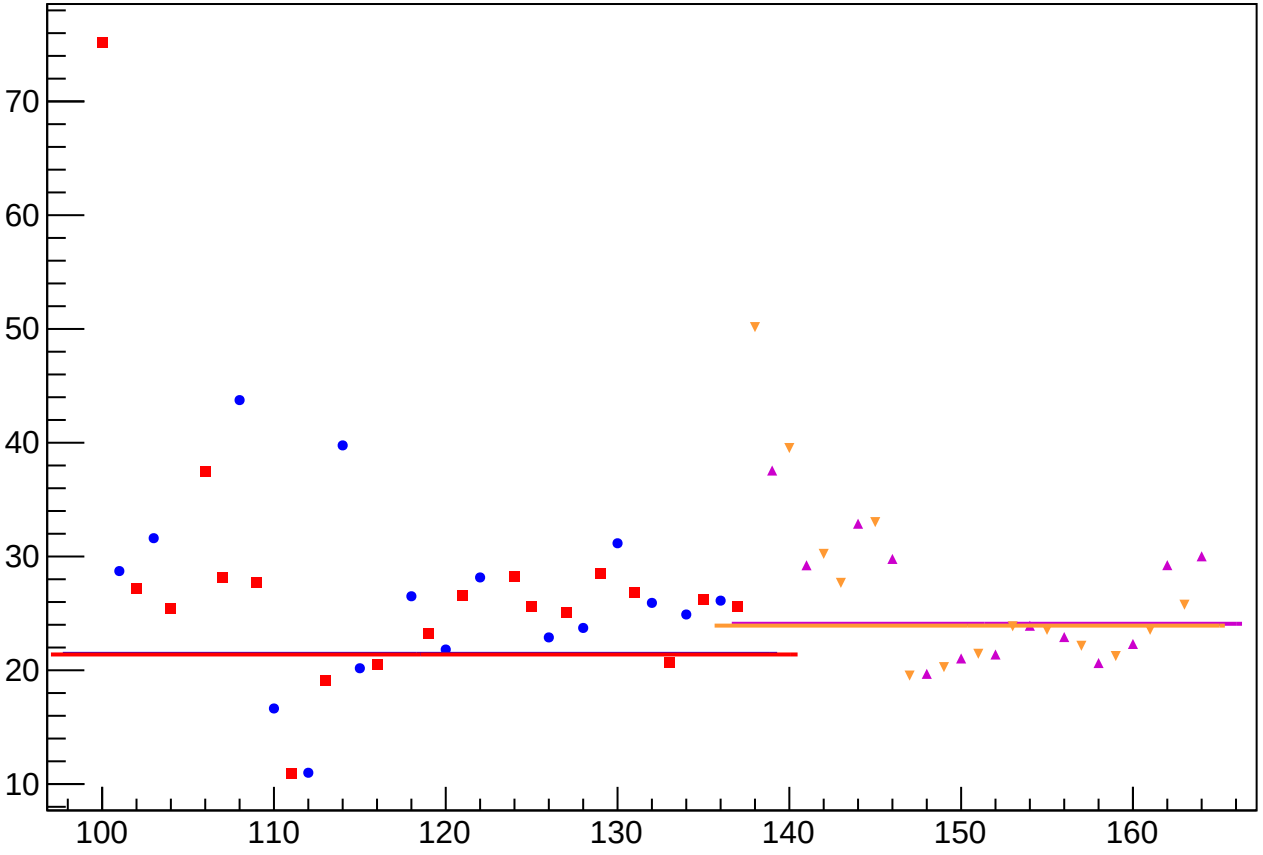
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.003+/-0.004 χ^2/NDF: 78.1/61

- 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: 23.926+/-0.005 χ^2/NDF:1013549.1/13

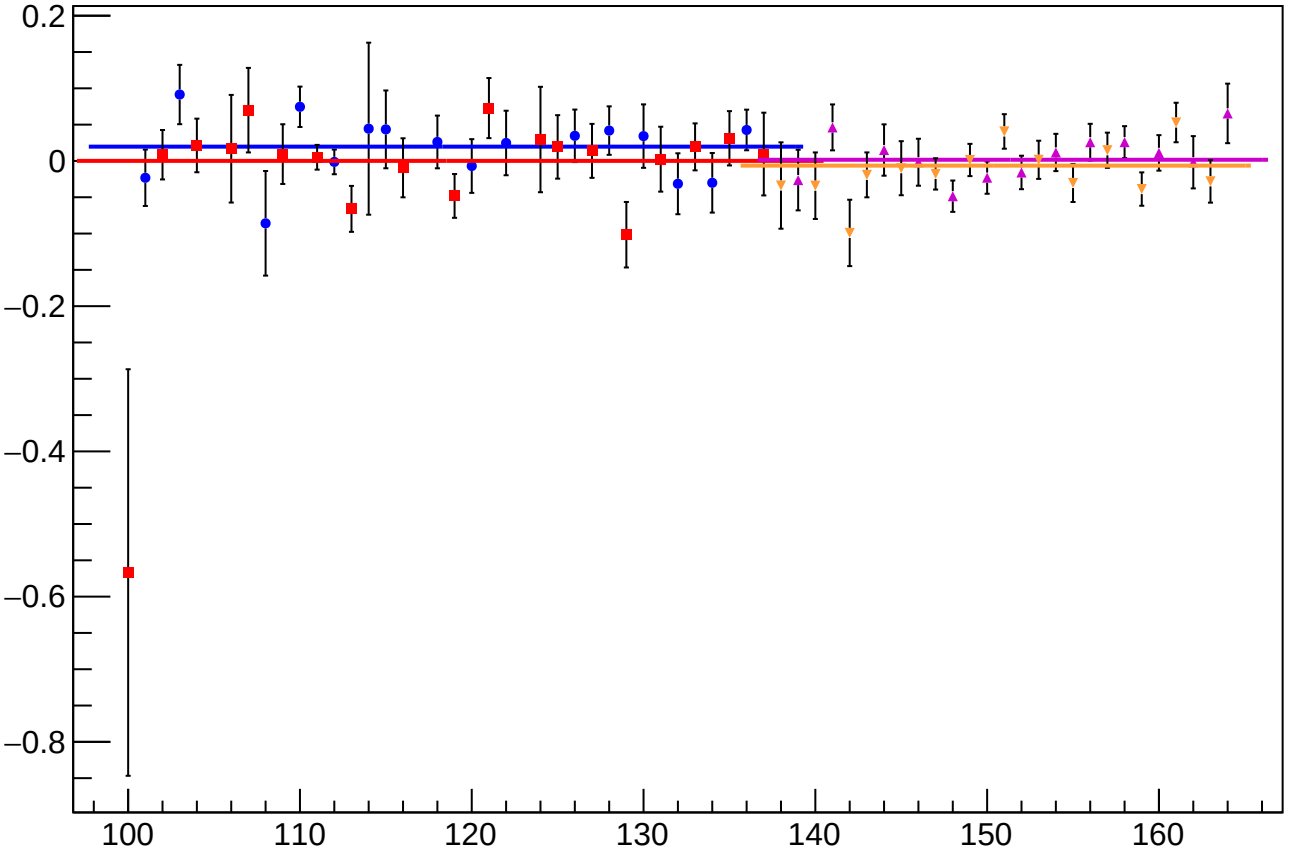
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

+ sign 22.872+/-0.004 χ^2/NDF: 2648324.8/29

All: 22.886+/-0.003 χ^2/NDF: 4814796.4/61

- 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: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

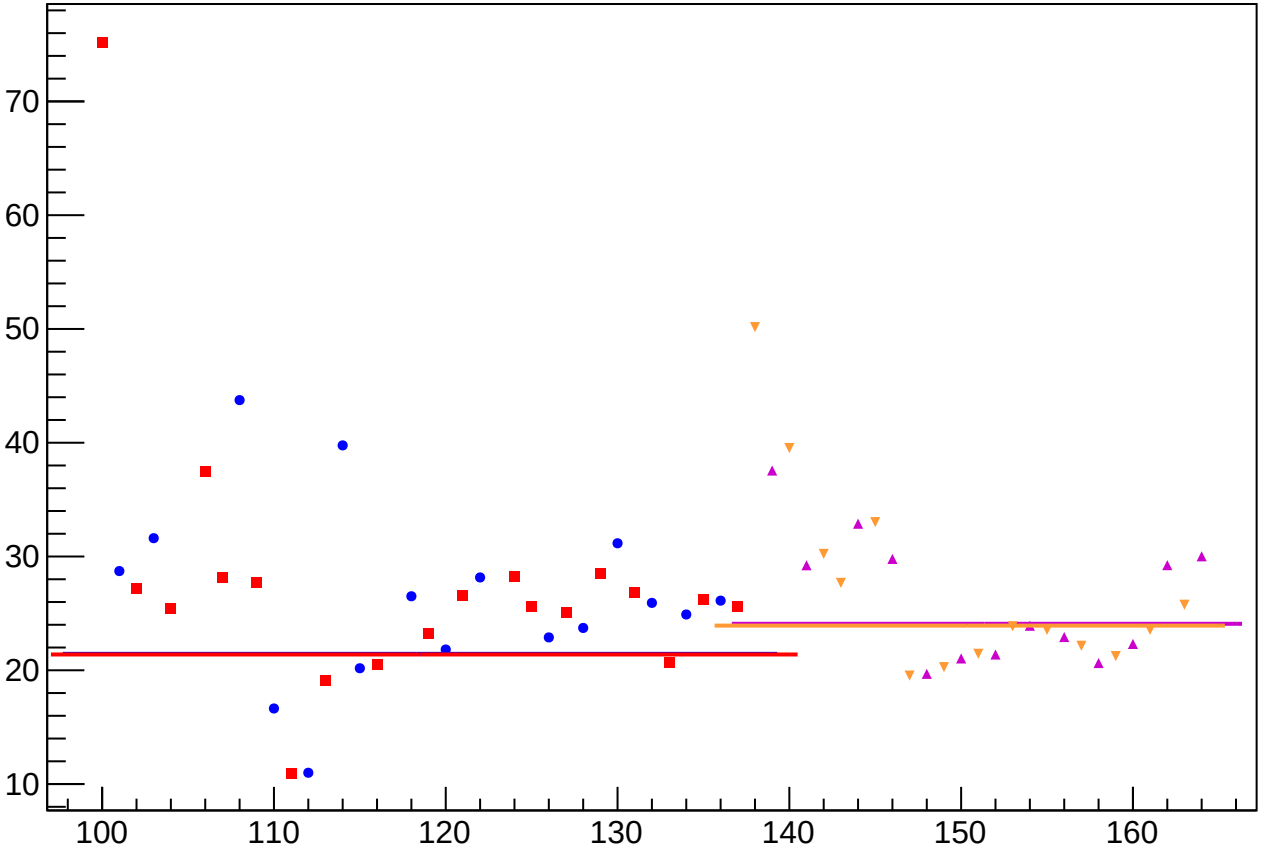
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.003+/-0.004 χ^2/NDF: 78.1/61

- 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: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

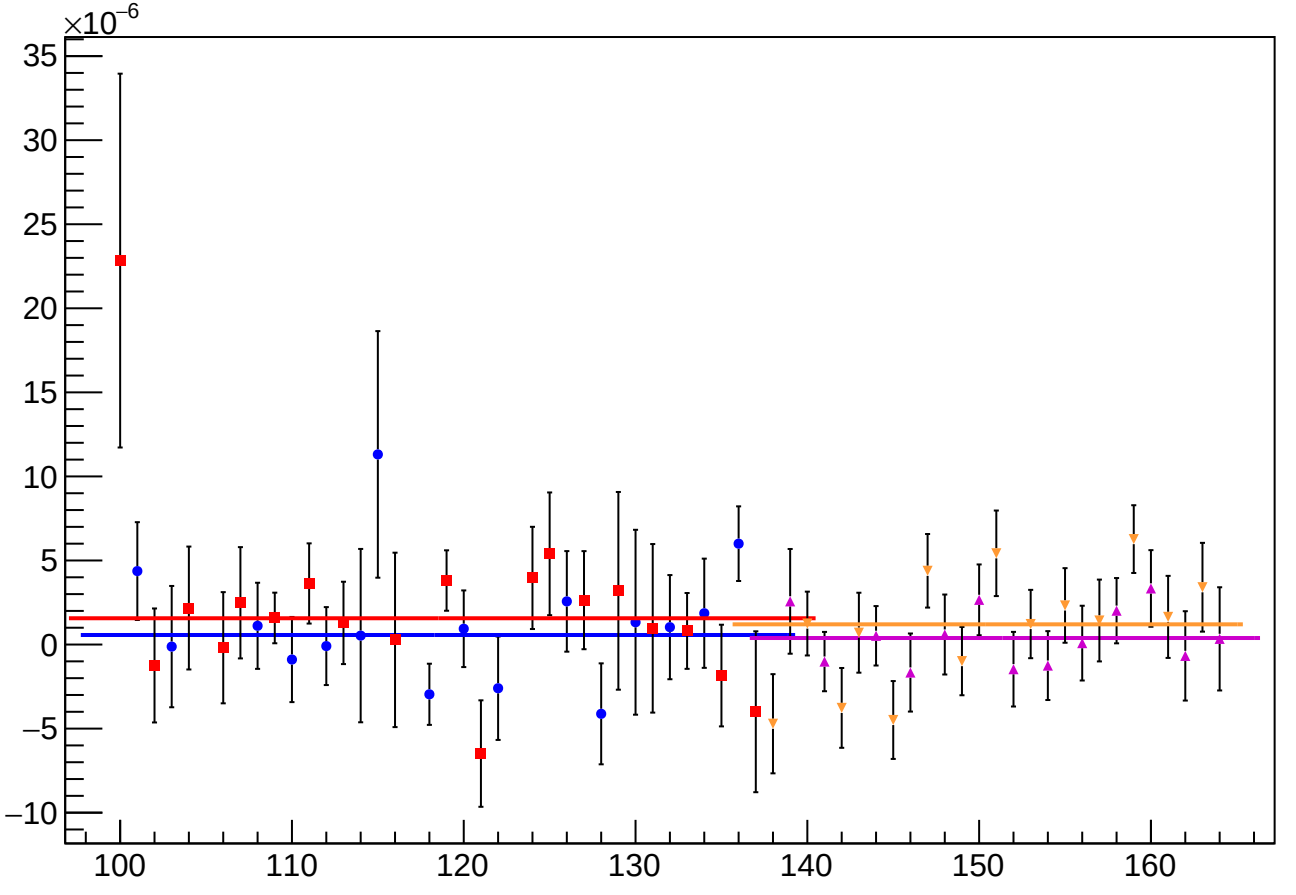
Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

+ sign 22.872+/-0.004 χ^2/NDF: 2648324.8/29

All: 22.886+/-0.003 χ^2/NDF: 4814796.4/61

- 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:27.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

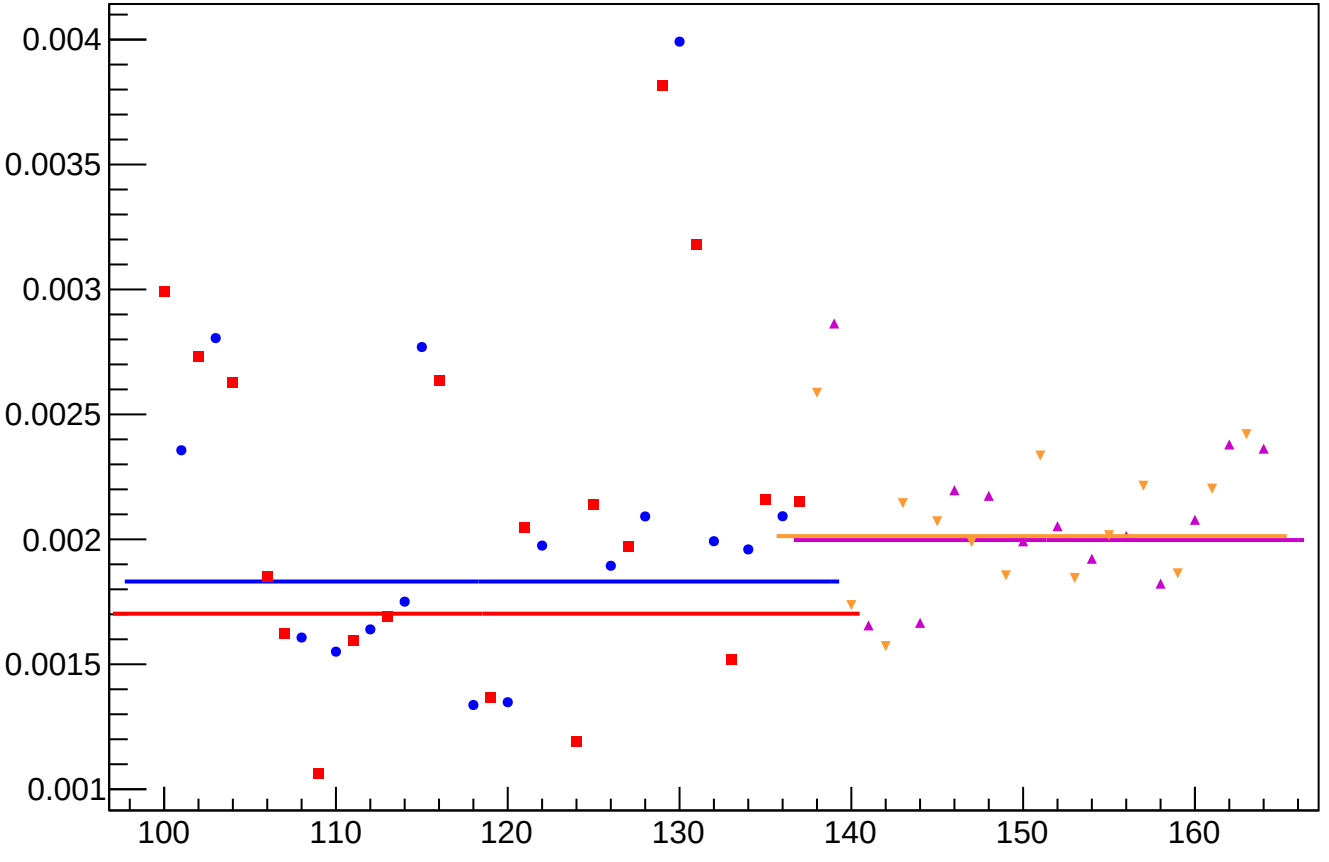
Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/29

All: 0.000+/-0.000 χ^2/NDF: 73.5/61

- 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:336551.6/13

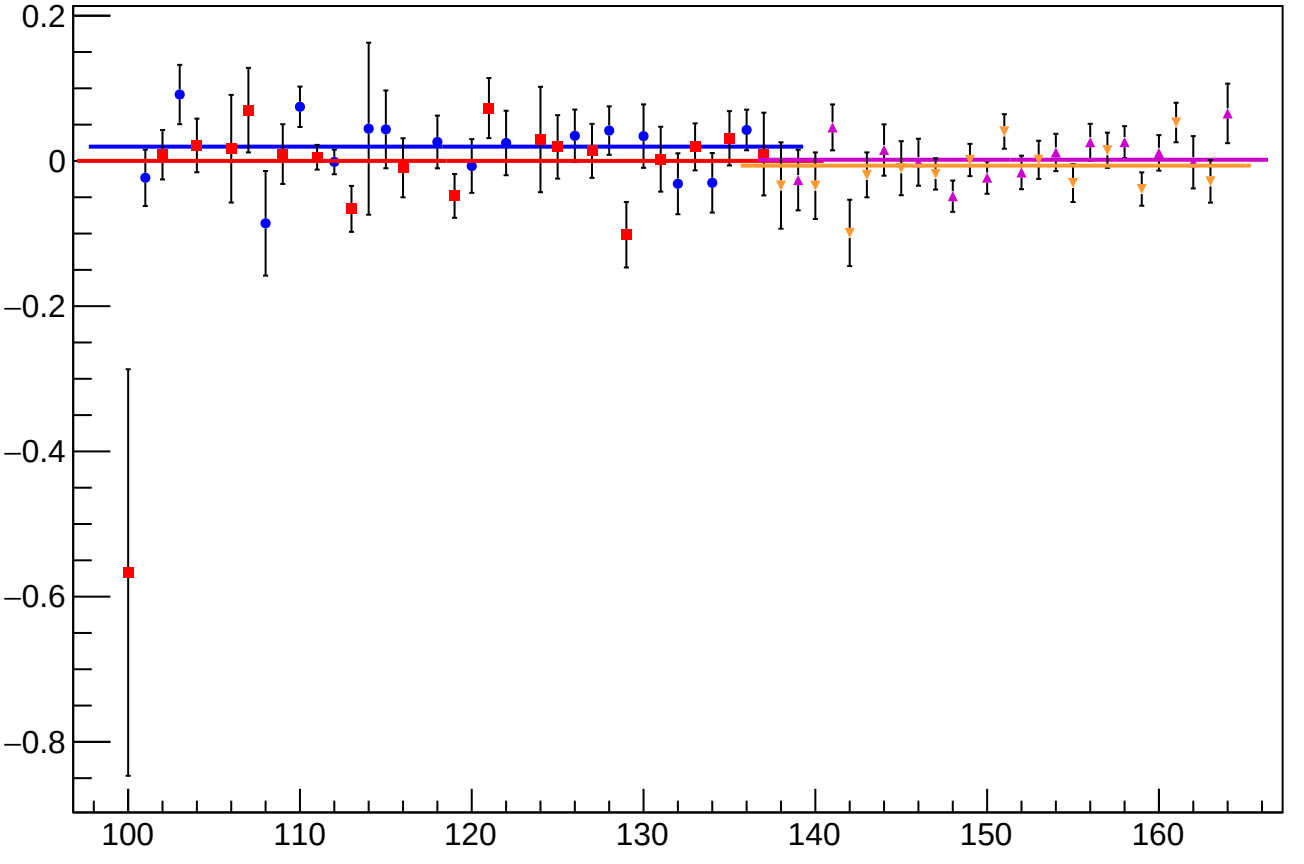
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:418439.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 1313008.4/29

All: 0.002+/-0.000 χ^2/NDF: 3451598.7/61

- 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: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

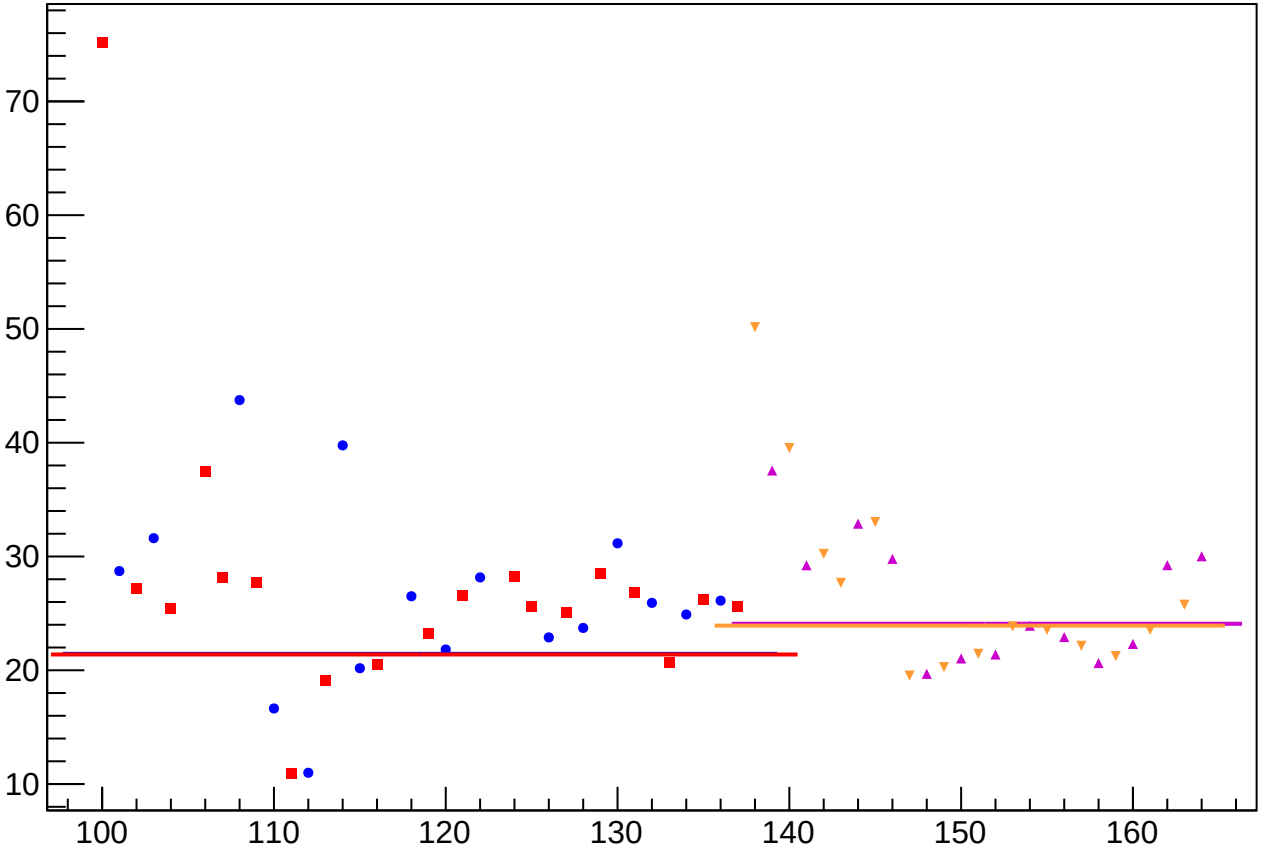
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.003+/-0.004 χ^2/NDF: 78.1/61

- 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: 23.927+/-0.005 χ^2/NDF:1013548.9/13

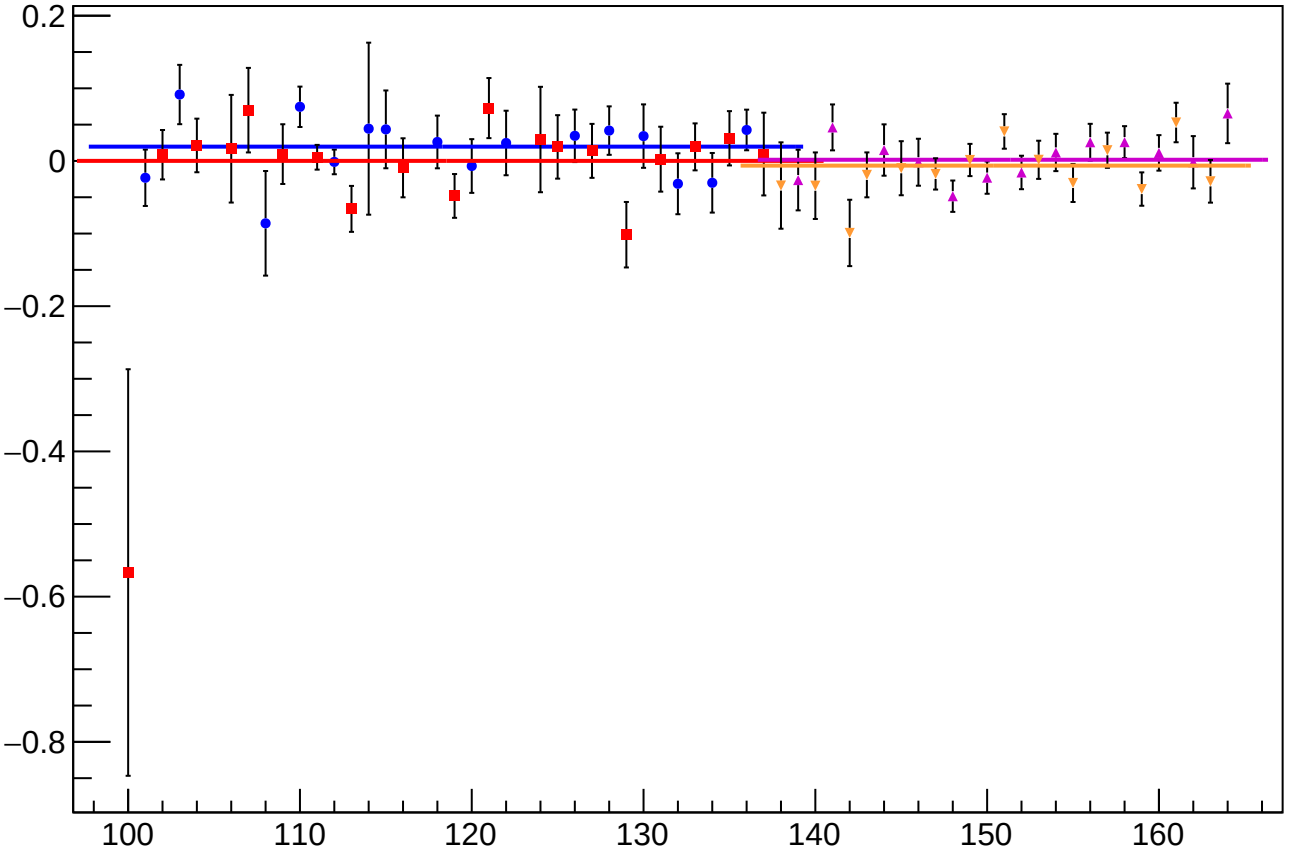
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

+ sign 22.872+/-0.004 χ^2/NDF: 2648533.1/29

All: 22.886+/-0.003 χ^2/NDF: 4815193.4/61

- 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: -0.006+/-0.007 χ^2/NDF:18.2/13

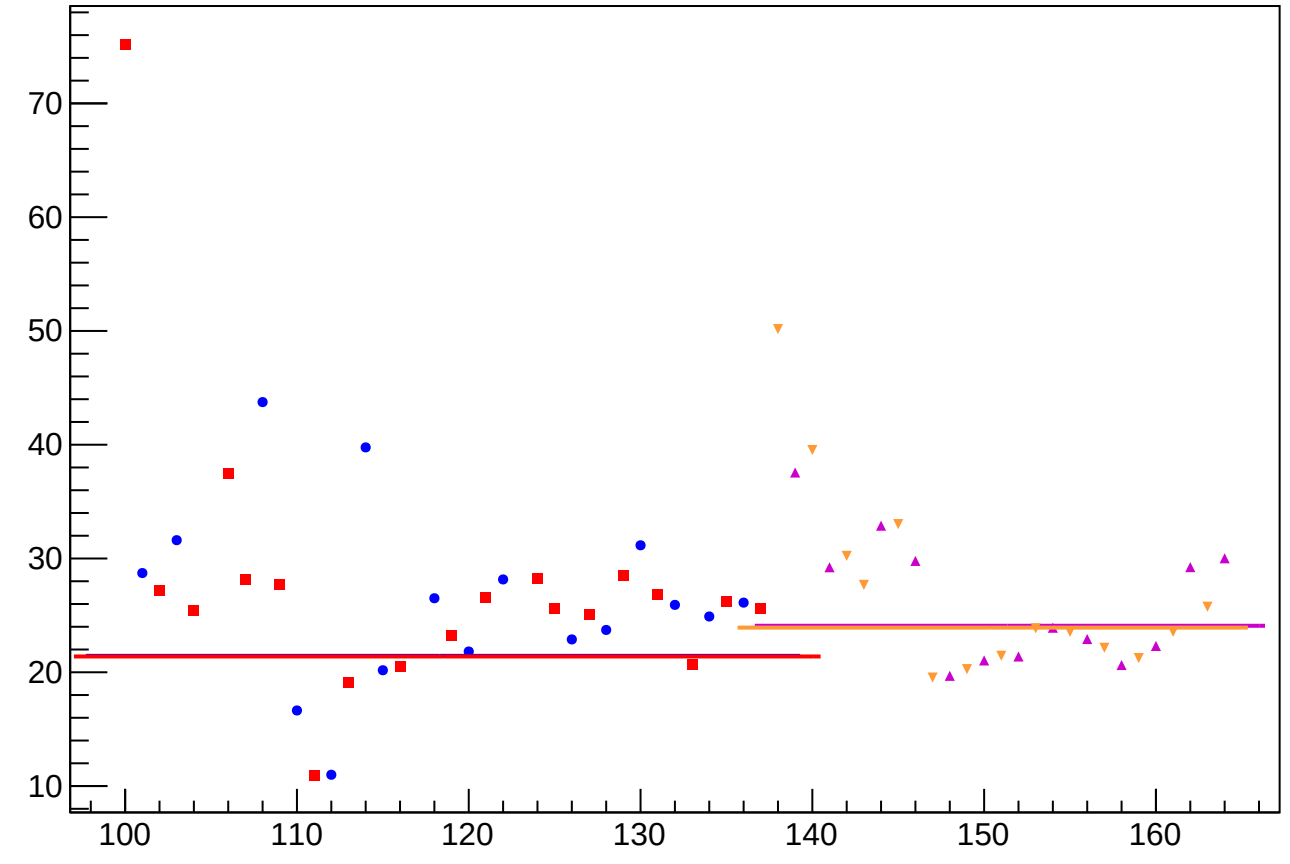
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.003+/-0.004 χ^2/NDF: 78.1/61

- sign 0.001+/-0.006 χ^2/NDF: 37.5/31



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.927+/-0.005 χ^2/NDF:1013548.9/13

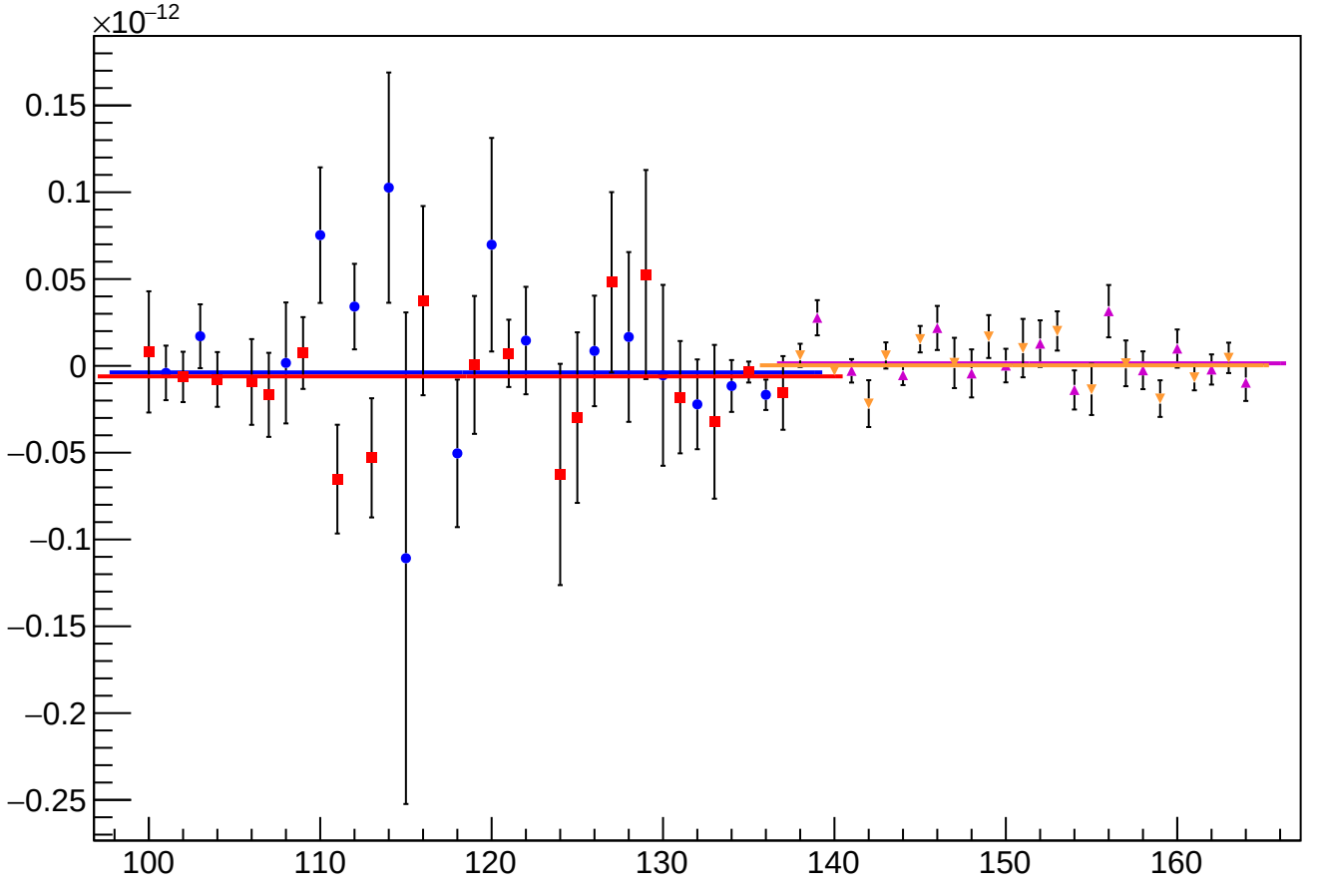
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

+ sign 22.872+/-0.004 χ^2/NDF: 2648533.1/29

All: 22.886+/-0.003 χ^2/NDF: 4815193.4/61

- sign 22.899+/-0.004 χ^2/NDF: 2166637.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

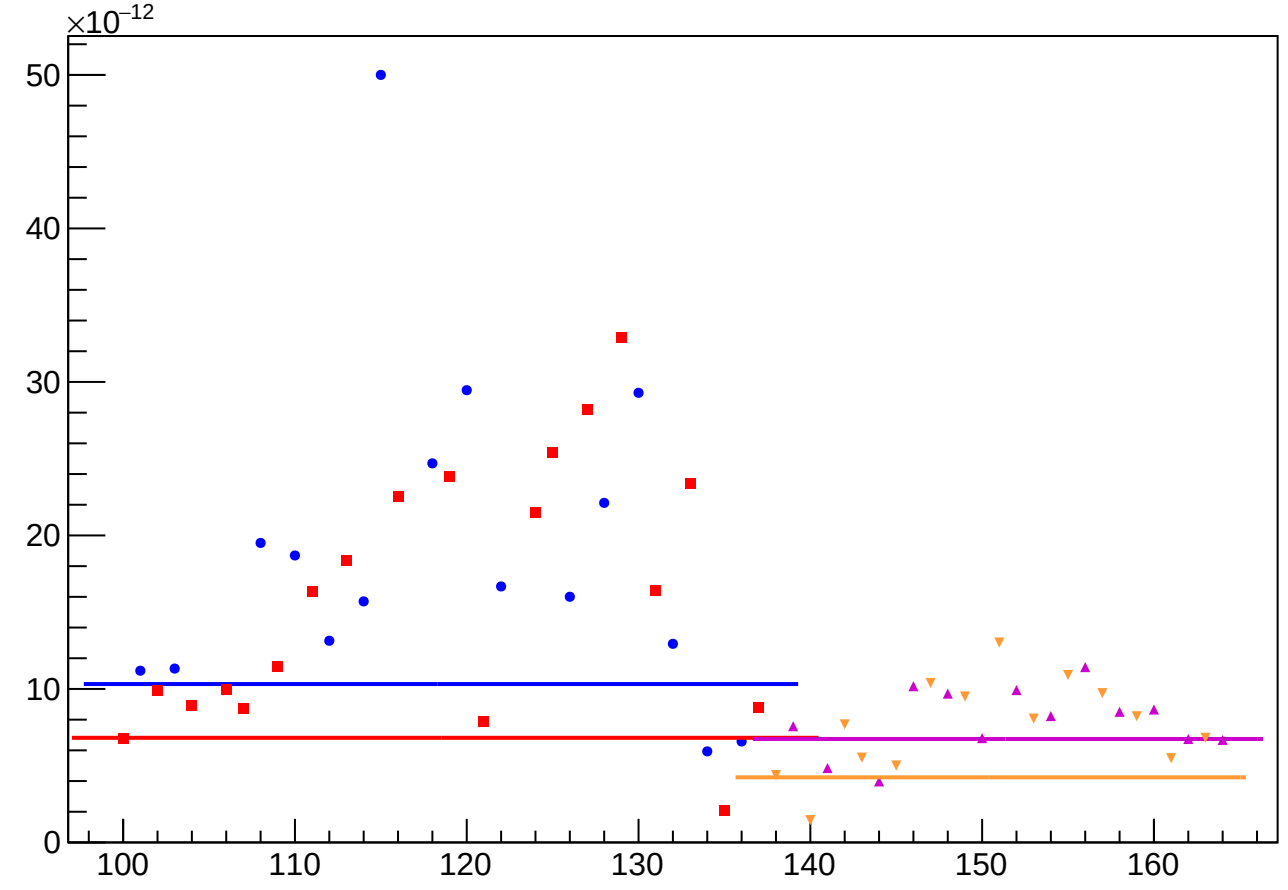
Left In: 0.000+/-0.000 χ^2/NDF:19.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/29

All: -0.000+/-0.000 χ^2/NDF: 70.6/61

- sign -0.000+/-0.000 χ^2/NDF: 33.3/31

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4853882.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

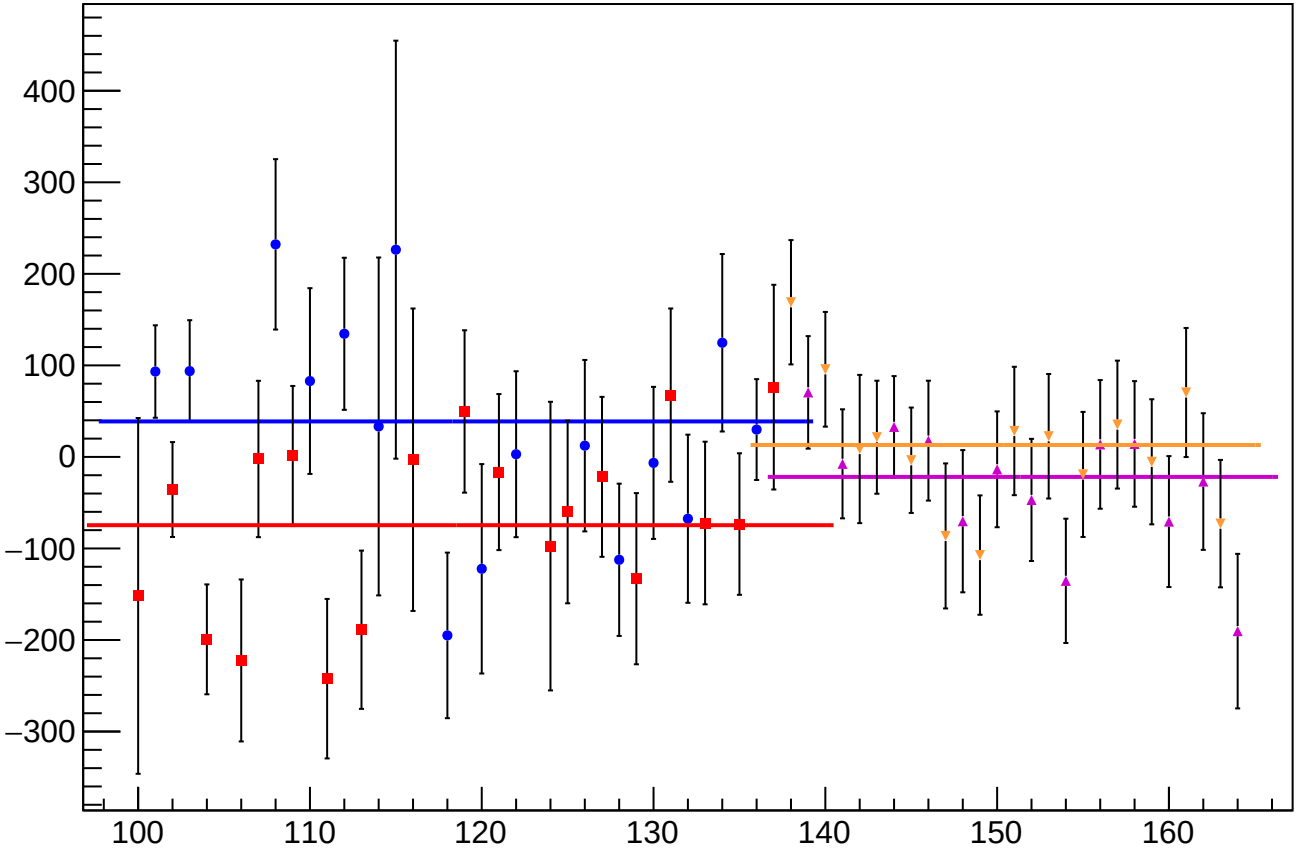
Left In: 0.000+/-0.000 χ^2/NDF:1329093.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 8969742.6/29

All: 0.000+/-0.000 χ^2/NDF: 15095109.4/61

- sign 0.000+/-0.000 χ^2/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: 13.030+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

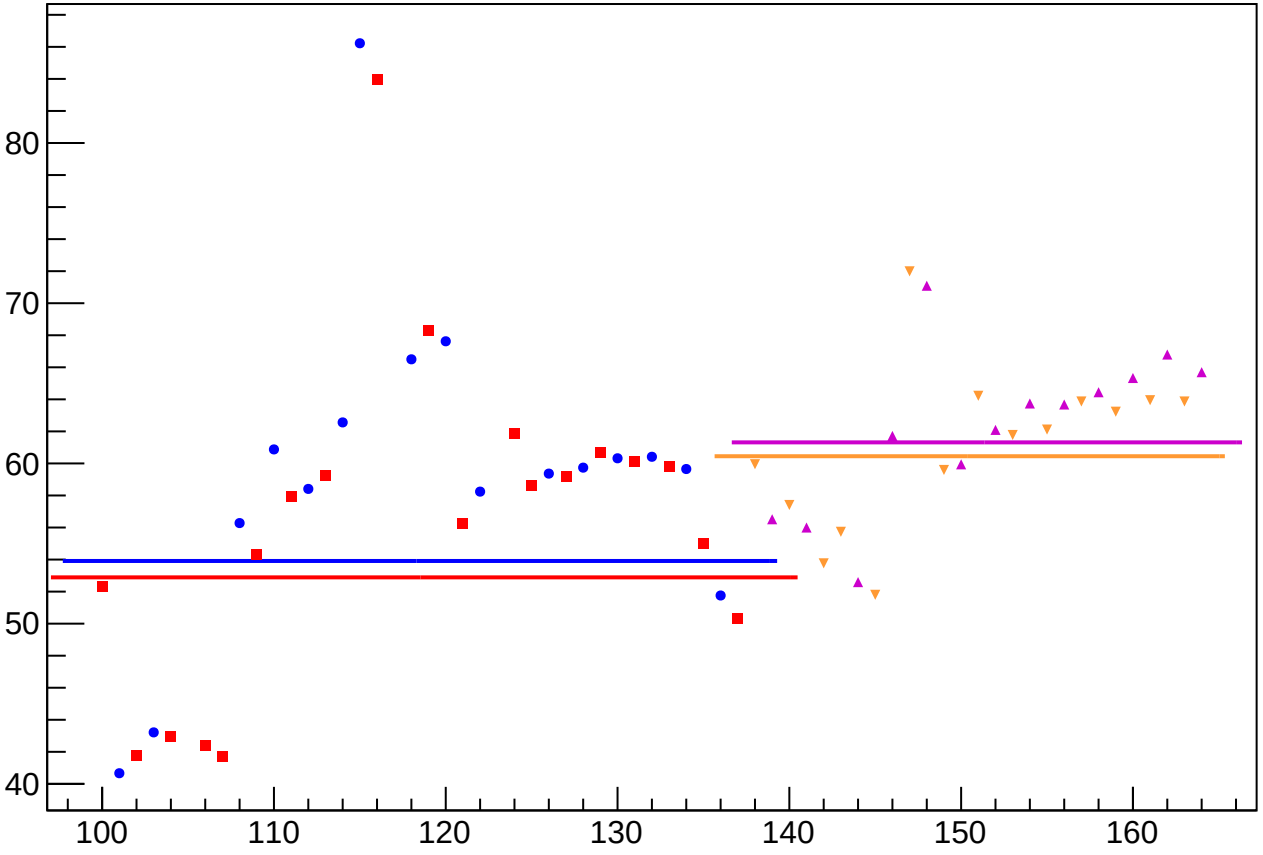
Left In: -21.832+/-18.596 χ^2/NDF:12.0/12

+ sign 24.384+/-13.554 χ^2/NDF: 38.9/29

All: -11.080+/-9.585 χ^2/NDF: 90.8/61

- 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: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

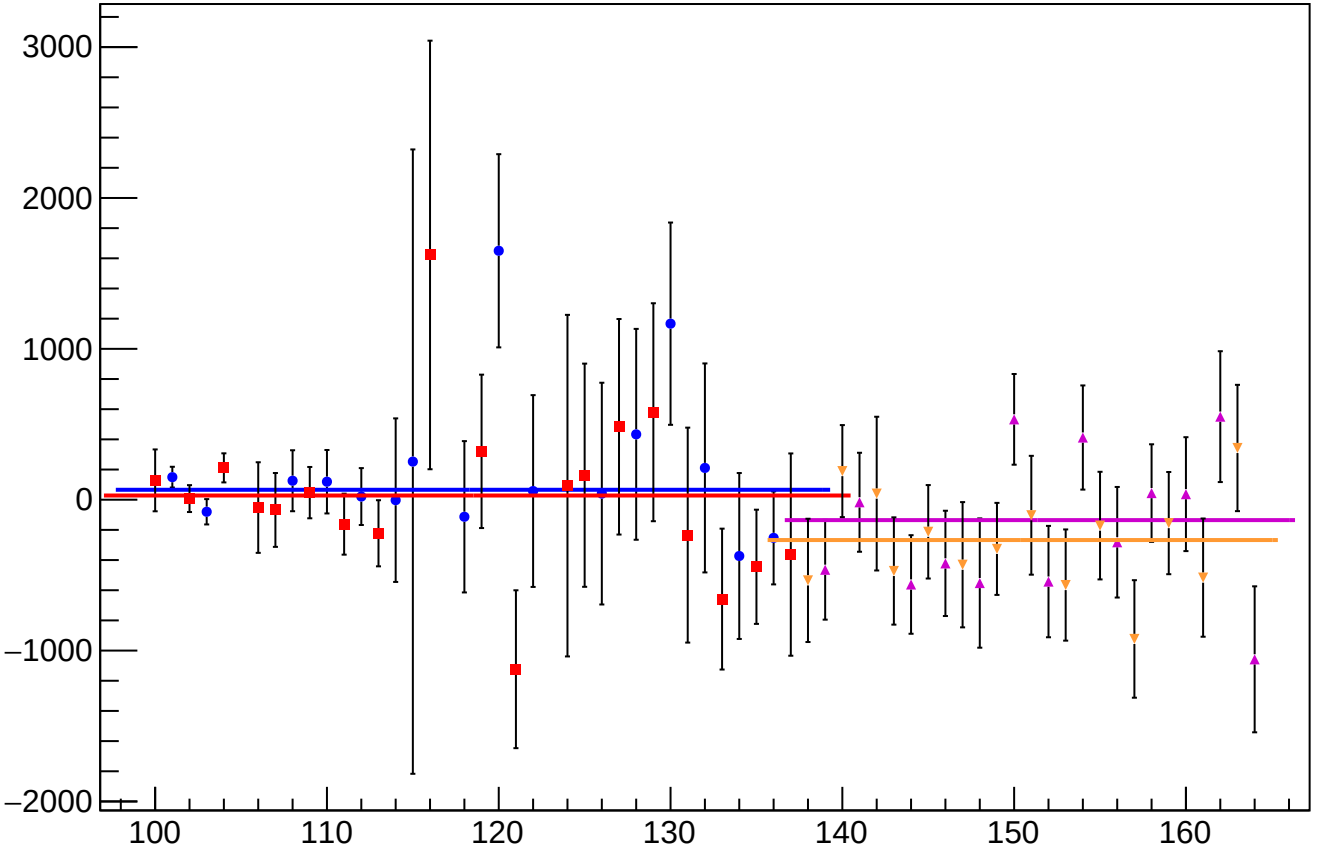
Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.567+/-0.010 χ^2/NDF: 651589.0/29

All: 57.467+/-0.007 χ^2/NDF: 1411422.9/61

- 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: -267.362+/-97.742 χ^2/NDF:10.0/13

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

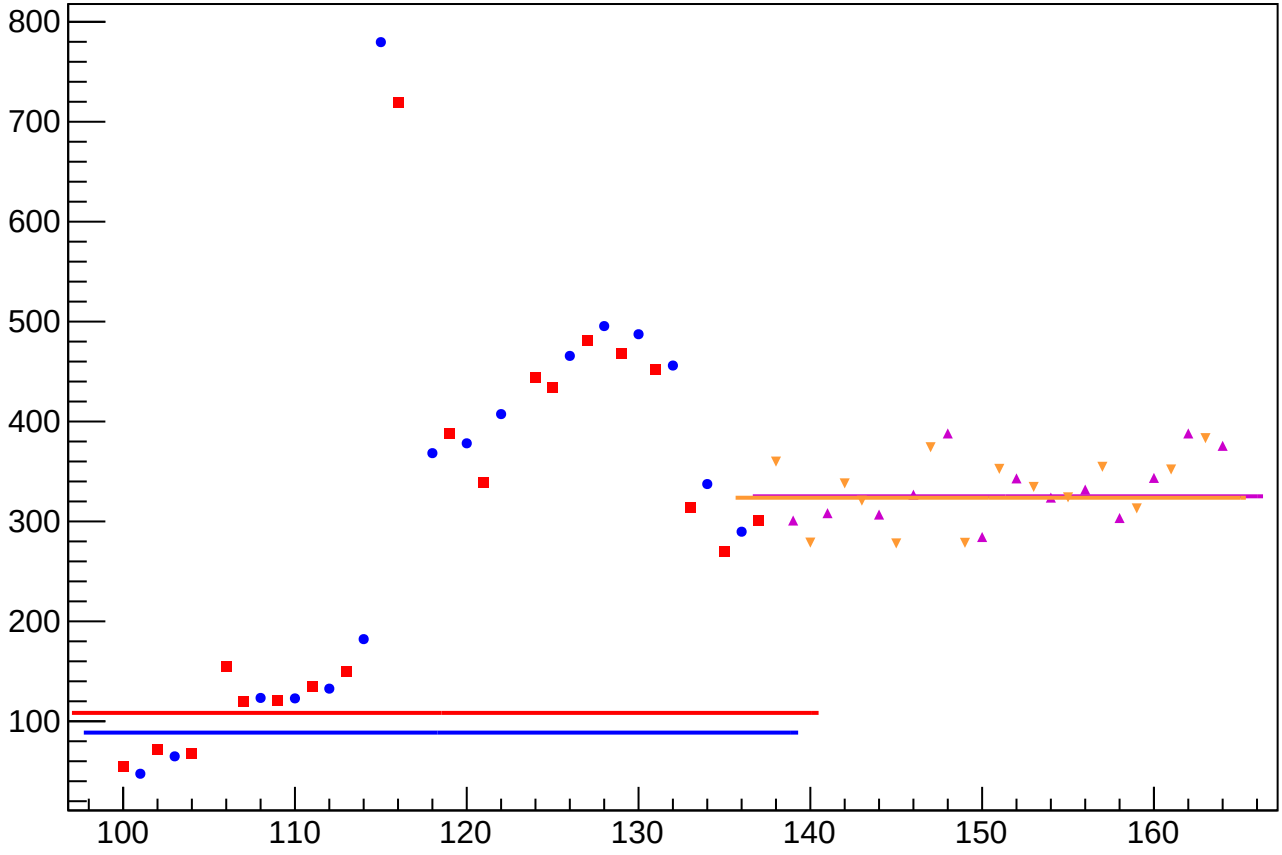
Left In: -135.216+/-99.079 χ^2/NDF:19.9/12

+ sign 4.401+/-41.974 χ^2/NDF: 35.1/29

All: -0.249+/-30.645 χ^2/NDF: 75.2/61

- 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: 323.721+/-0.069 χ^2/NDF:255820.6/13

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

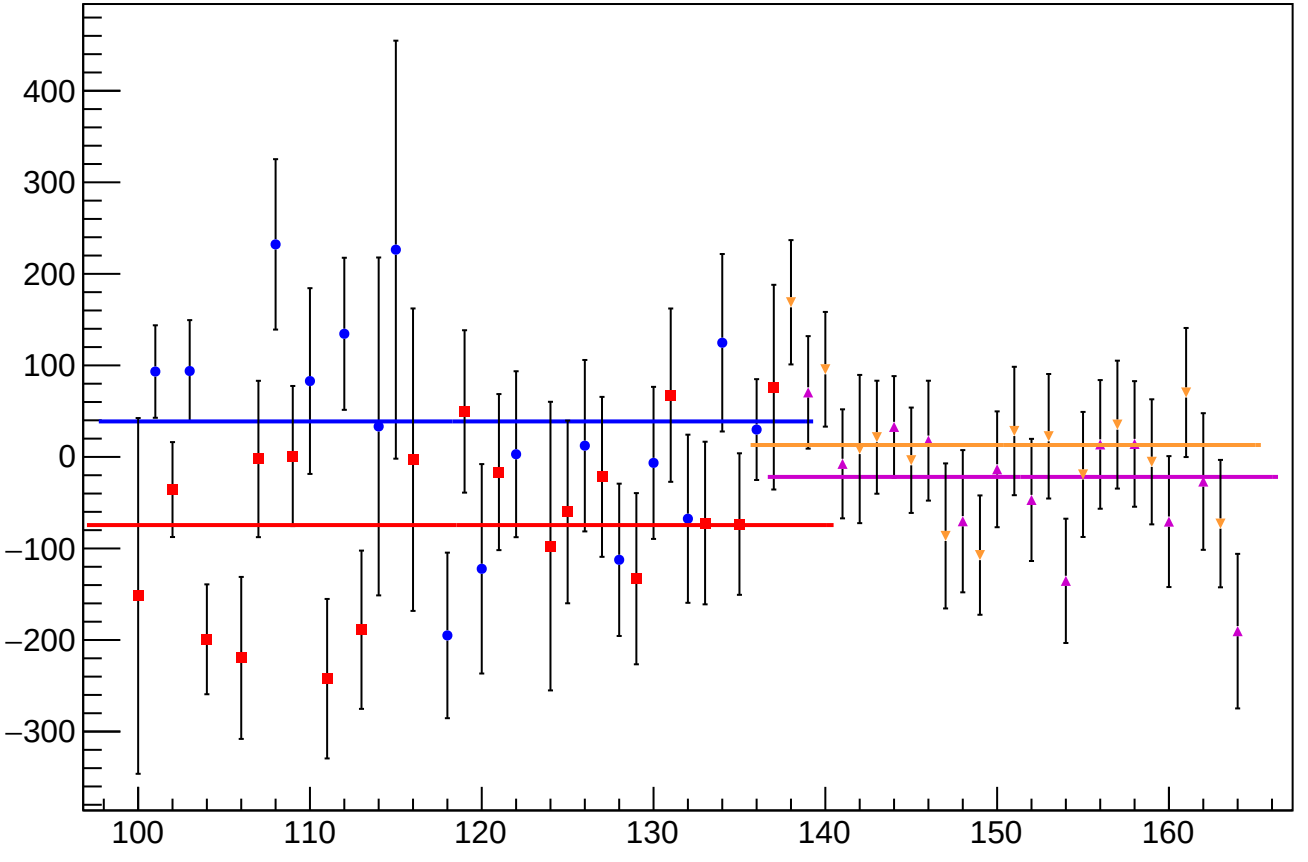
Left In: 325.143+/-0.070 χ^2/NDF:185252.7/12

+ sign 132.008+/-0.030 χ^2/NDF: 16338129.1/29

All: 141.713+/-0.022 χ^2/NDF: 29726535.1/61

- 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: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

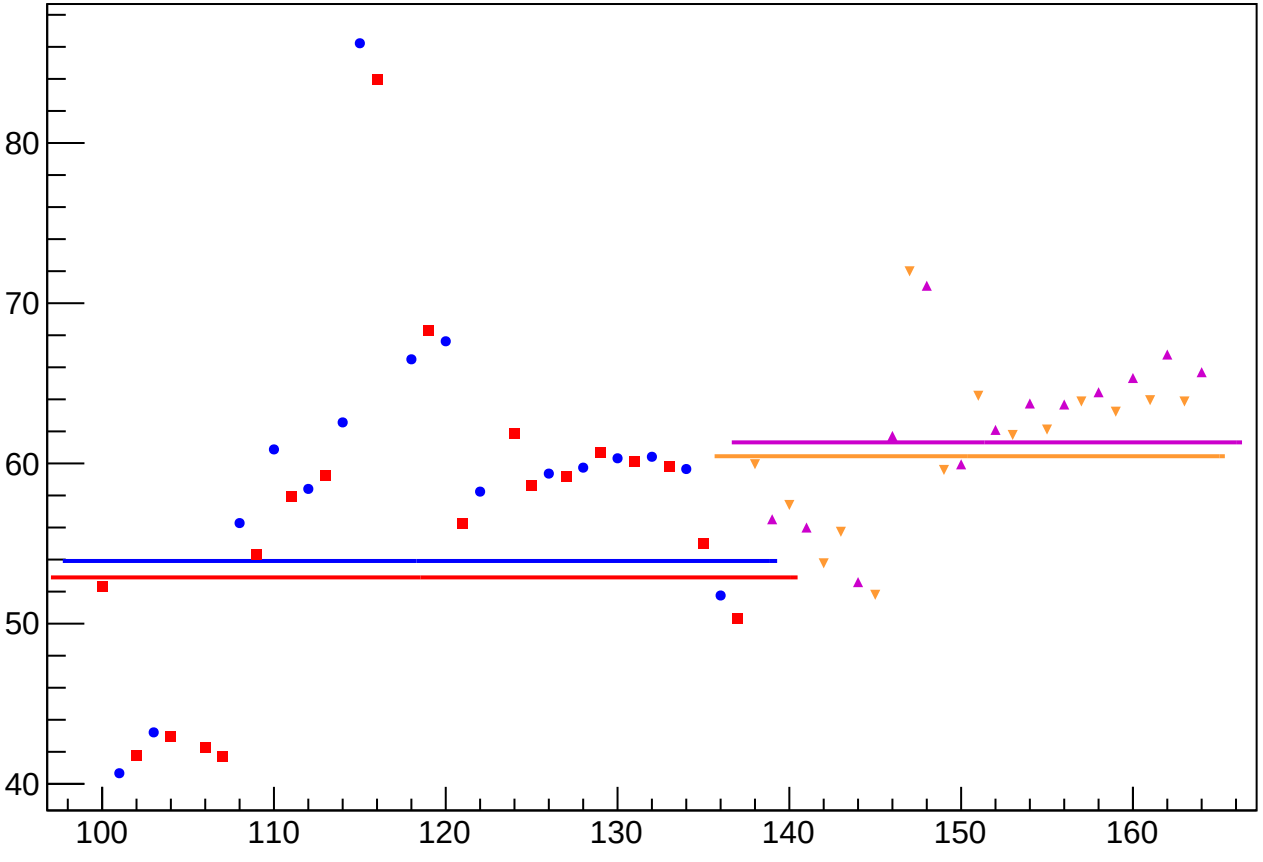
Left In: -21.831+/-18.596 χ^2/NDF:12.0/12

+ sign 24.389+/-13.554 χ^2/NDF: 38.9/29

All: -11.043+/-9.585 χ^2/NDF: 90.7/61

- 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: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

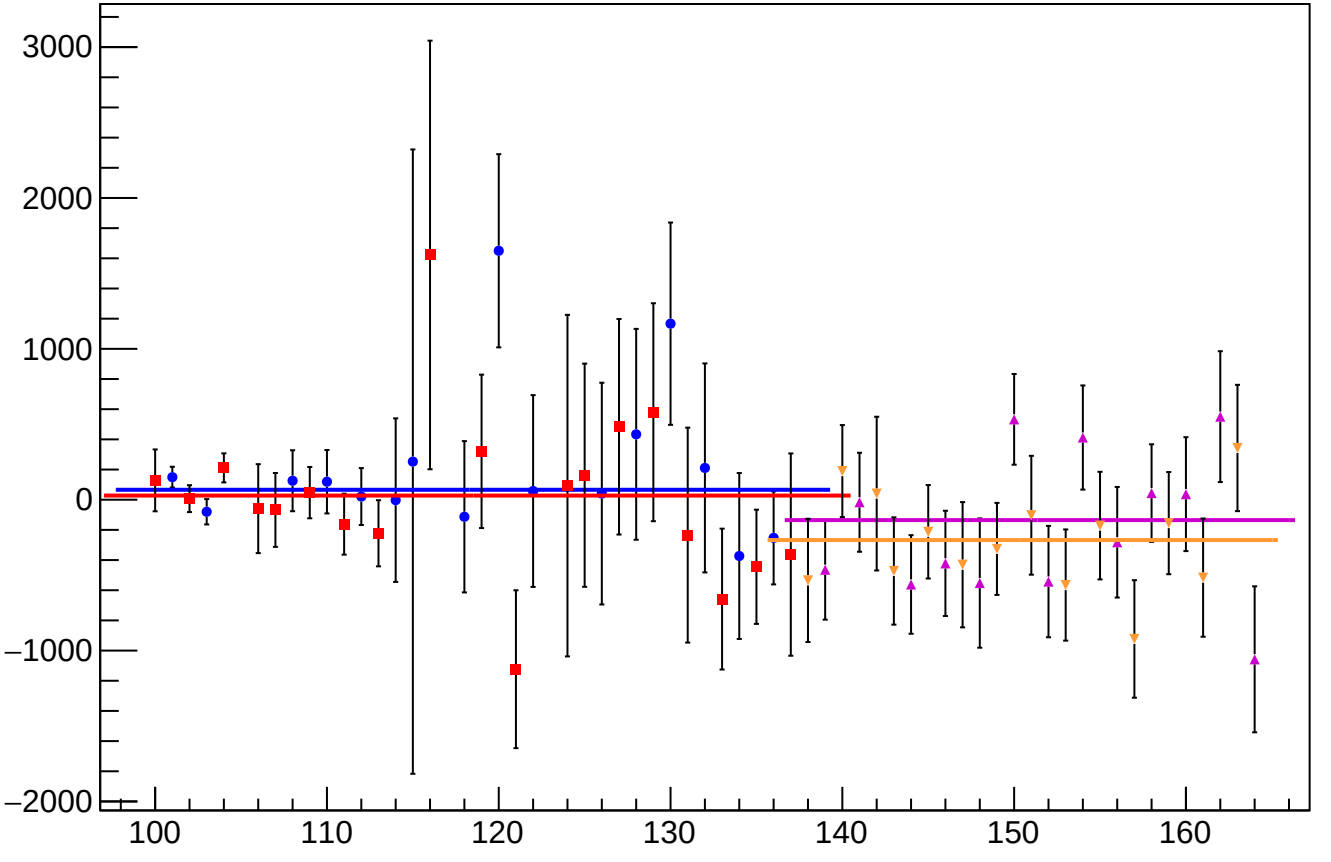
Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.567+/-0.010 χ^2/NDF: 651588.1/29

All: 57.466+/-0.007 χ^2/NDF: 1411819.3/61

- 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: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

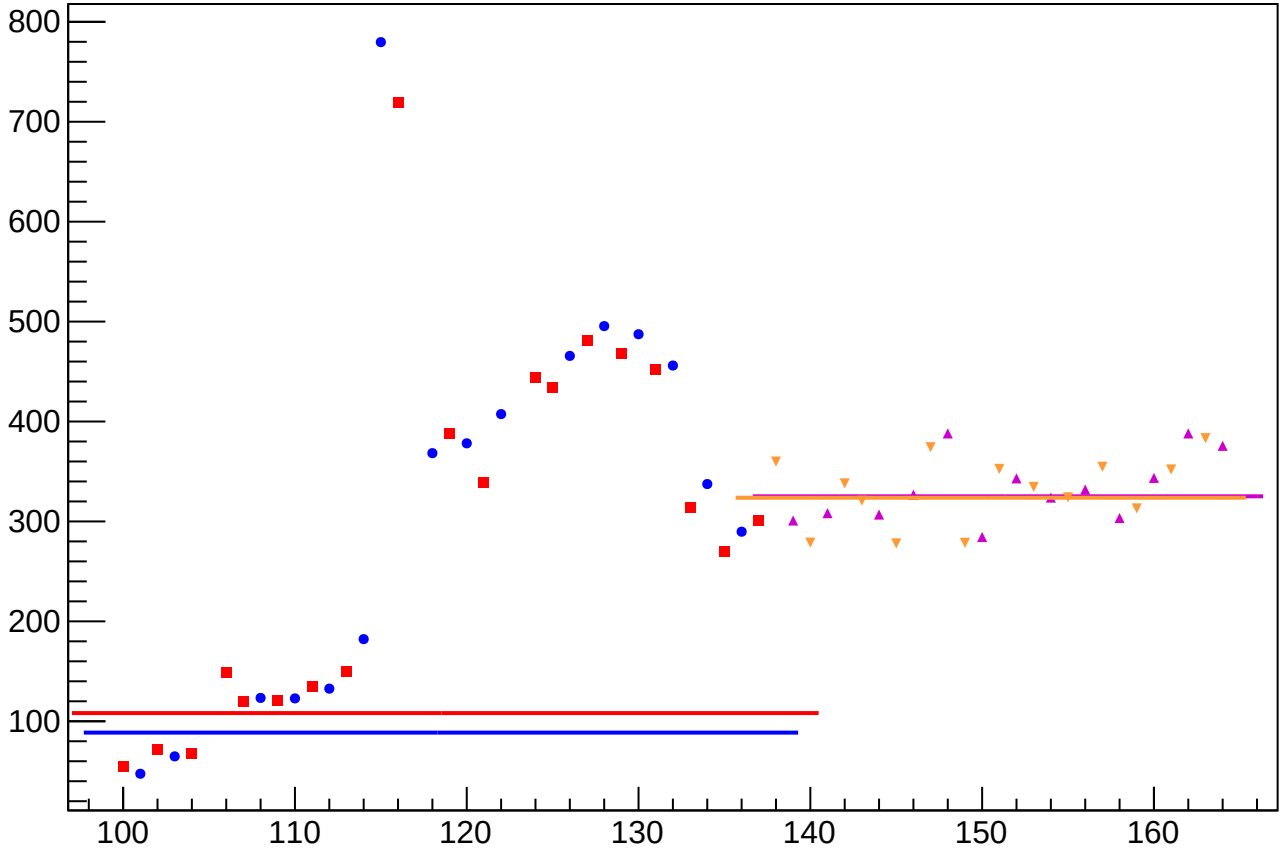
Left In: -135.215+/-99.079 χ^2/NDF:19.9/12

+ sign 4.407+/-41.974 χ^2/NDF: 35.1/29

All: -0.393+/-30.635 χ^2/NDF: 75.3/61

- 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: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

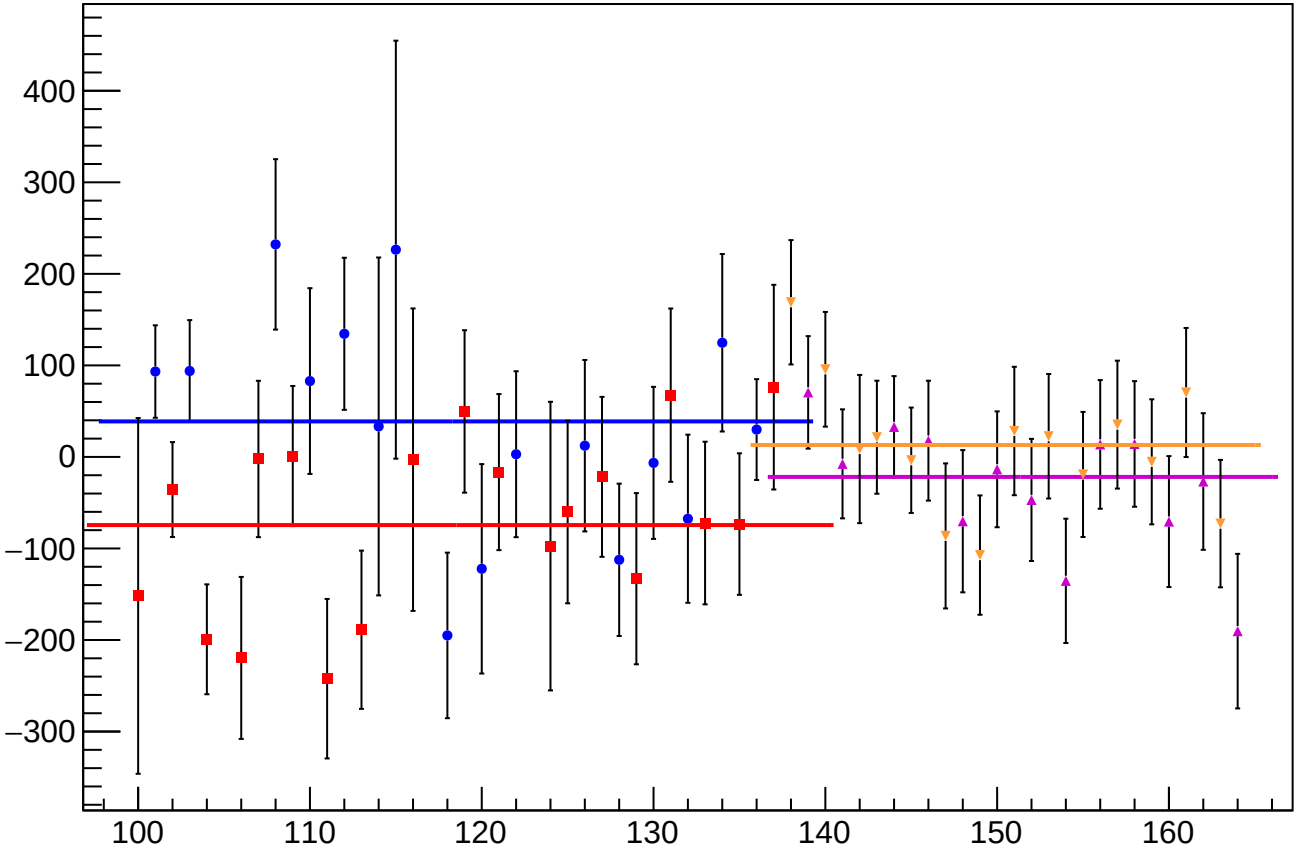
Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

+ sign 132.005+/-0.030 χ^2/NDF: 16338491.8/29

All: 141.624+/-0.022 χ^2/NDF: 29729934.8/61

- 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: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

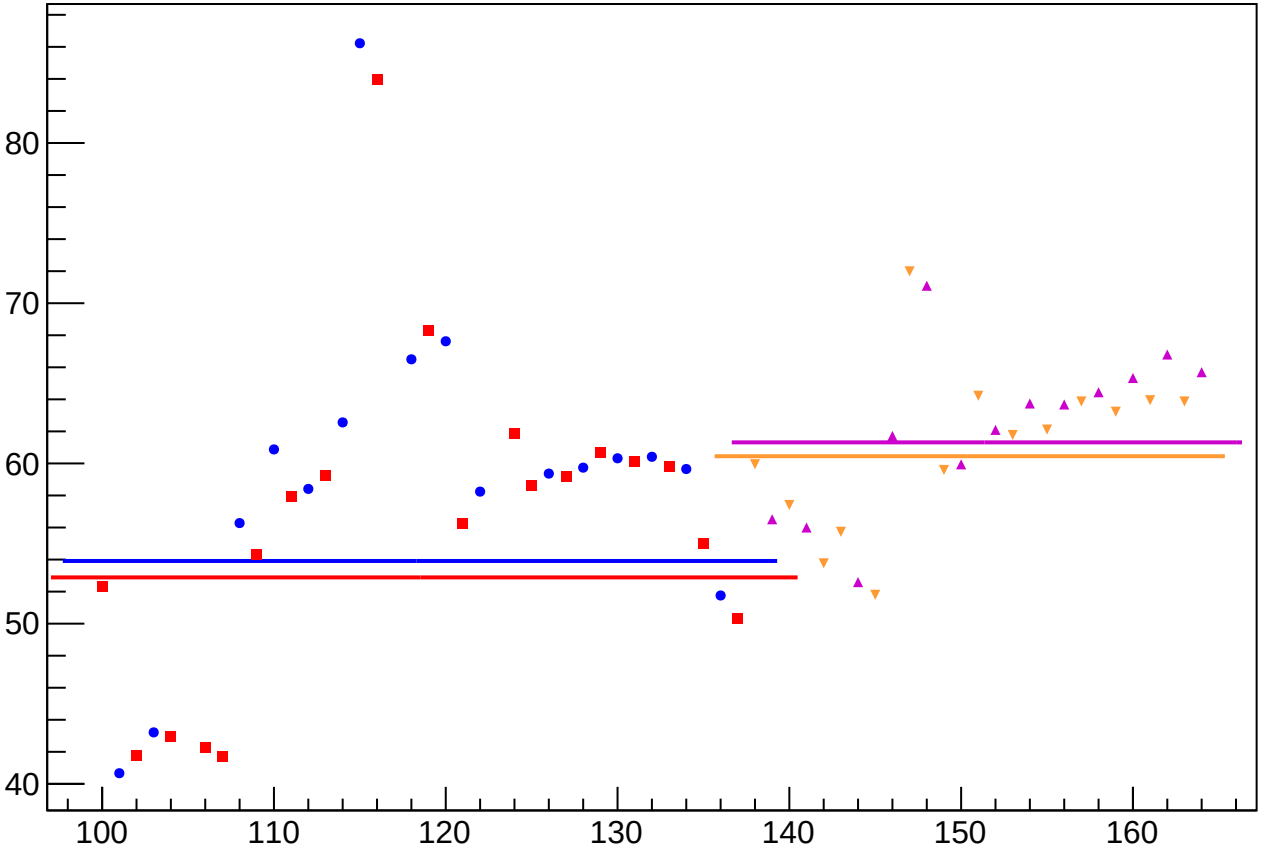
Left In: -21.831+/-18.596 χ^2/NDF:12.0/12

+ sign 24.389+/-13.554 χ^2/NDF: 38.9/29

All: -11.043+/-9.585 χ^2/NDF: 90.7/61

- 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: 60.450+/-0.013 χ^2/NDF:143638.1/13

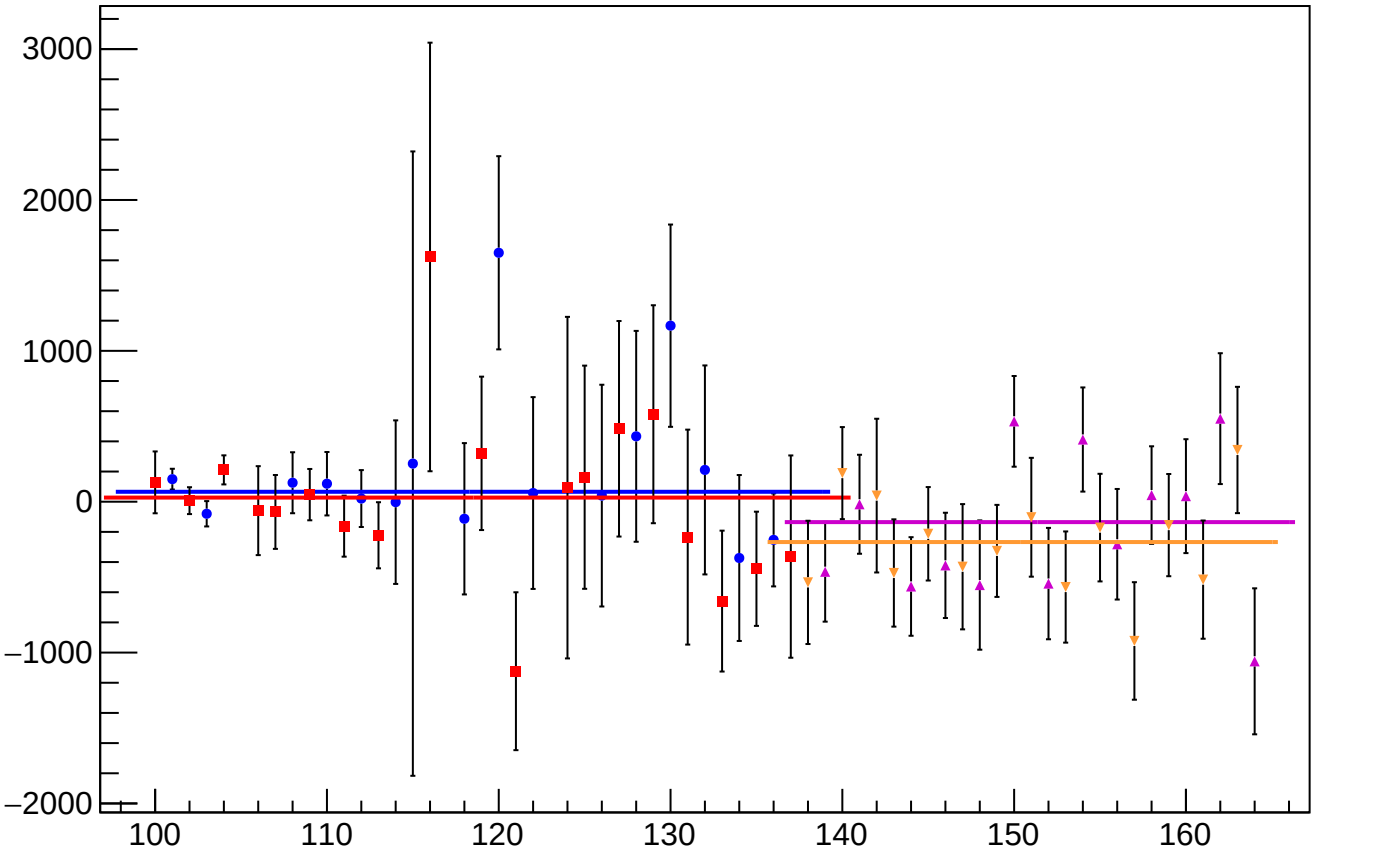
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.567+/-0.010 χ^2/NDF: 651588.1/29

All: 57.466+/-0.007 χ^2/NDF: 1411819.3/61

- 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: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

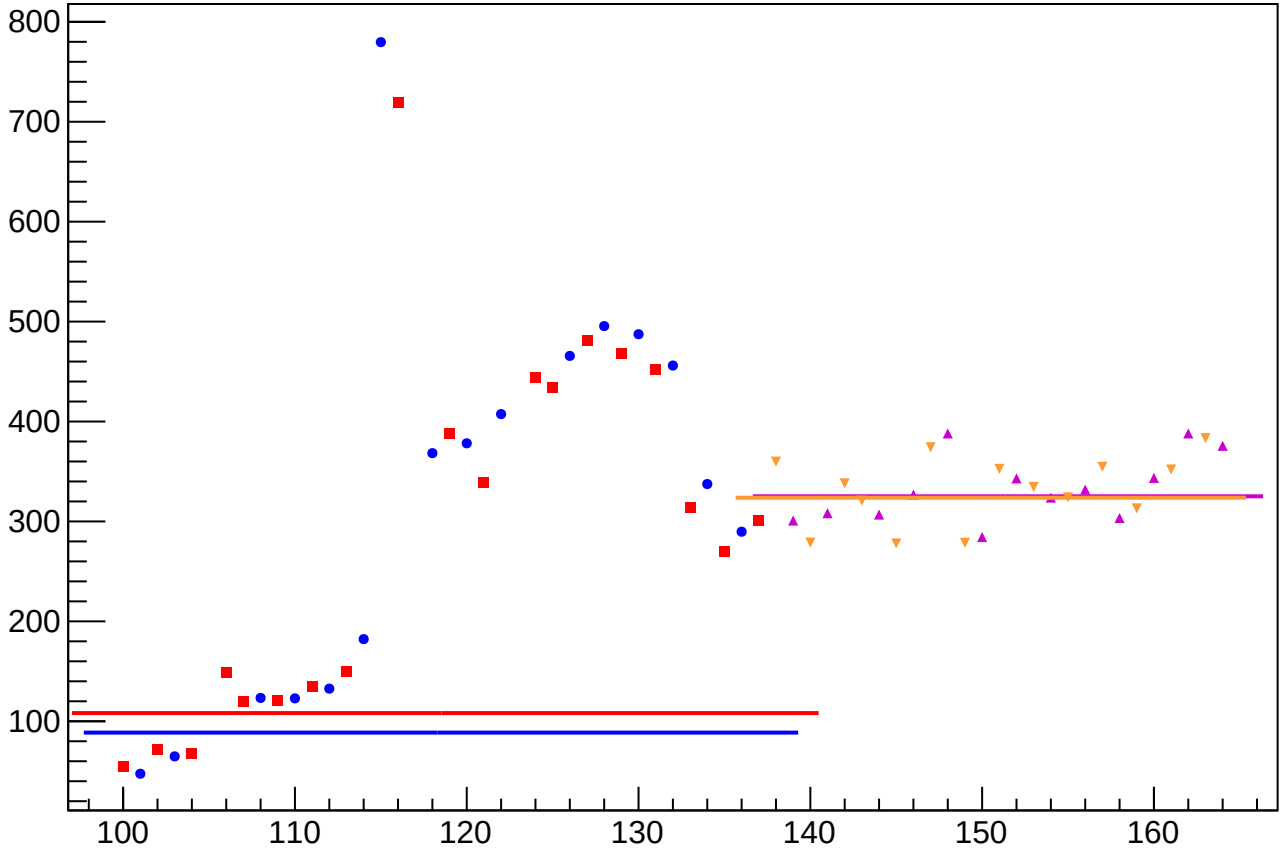
Left In: -135.215+/-99.079 χ^2/NDF:19.9/12

+ sign 4.407+/-41.974 χ^2/NDF: 35.1/29

All: -0.393+/-30.635 χ^2/NDF: 75.3/61

- 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: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

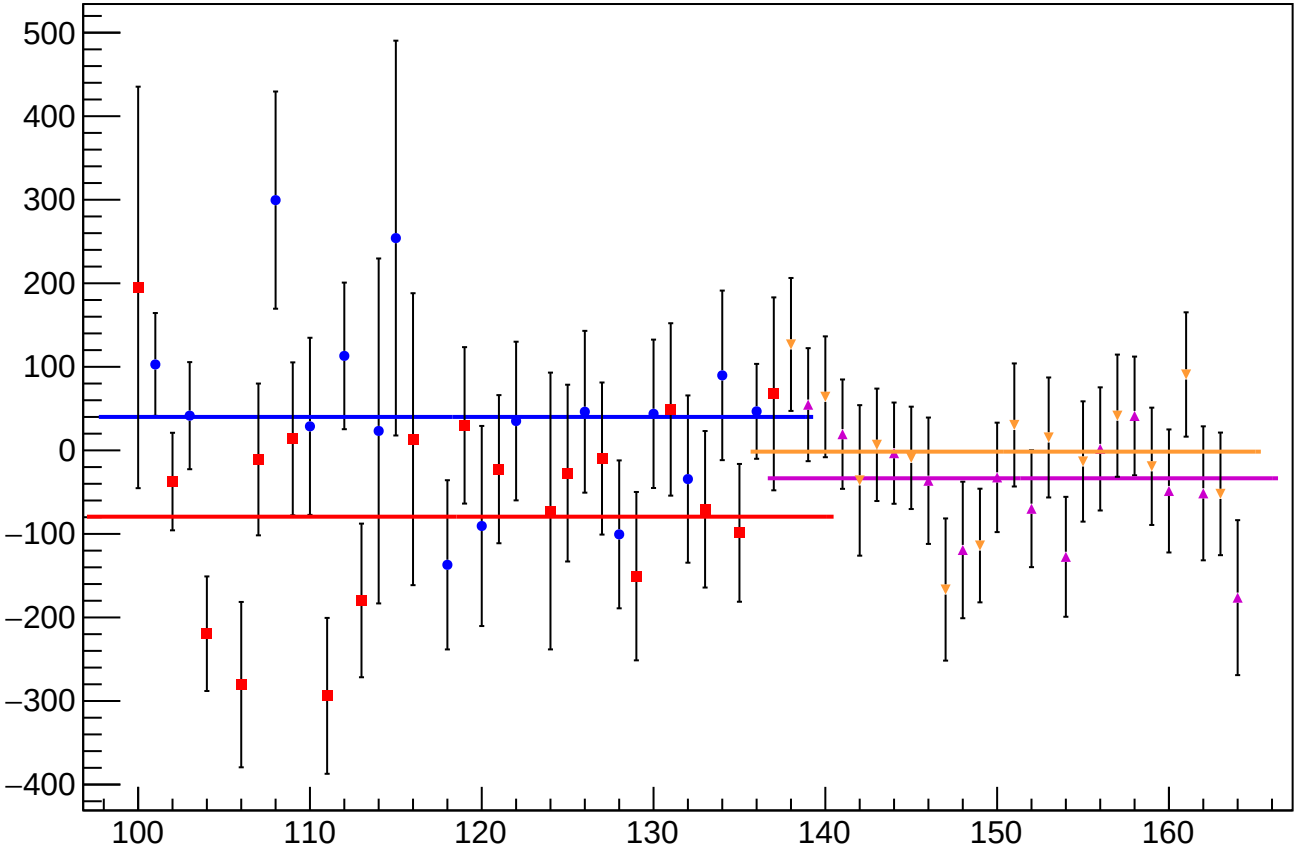
Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

+ sign 132.005+/-0.030 χ^2/NDF: 16338491.8/29

All: 141.624+/-0.022 χ^2/NDF: 29729934.8/61

- 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: -1.524+/-19.458 χ^2/NDF:12.8/13

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

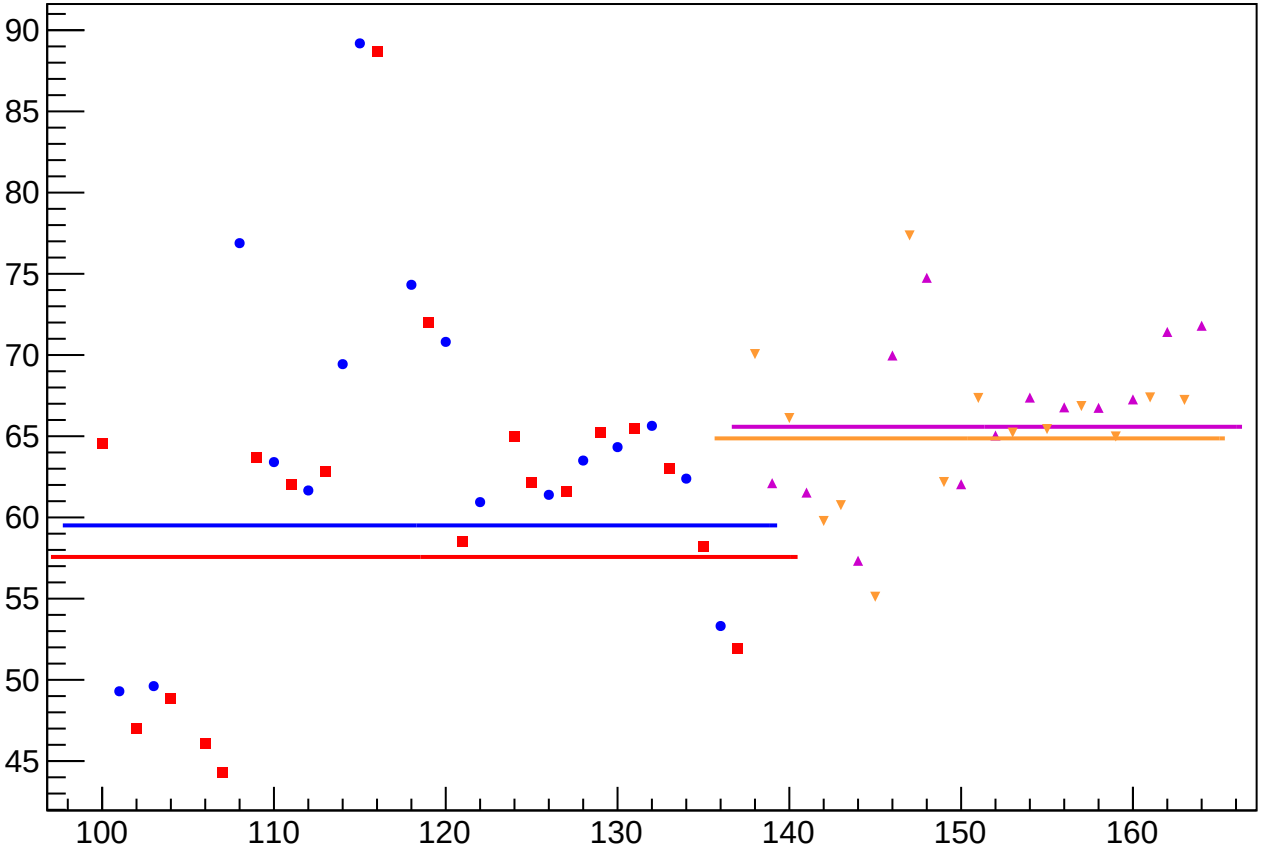
Left In: -33.404+/-19.925 χ^2/NDF:9.5/12

+ sign 16.243+/-14.722 χ^2/NDF: 28.9/29

All: -19.362+/-10.380 χ^2/NDF: 77.3/61

- 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: 64.867+/-0.014 χ^2/NDF:128191.4/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

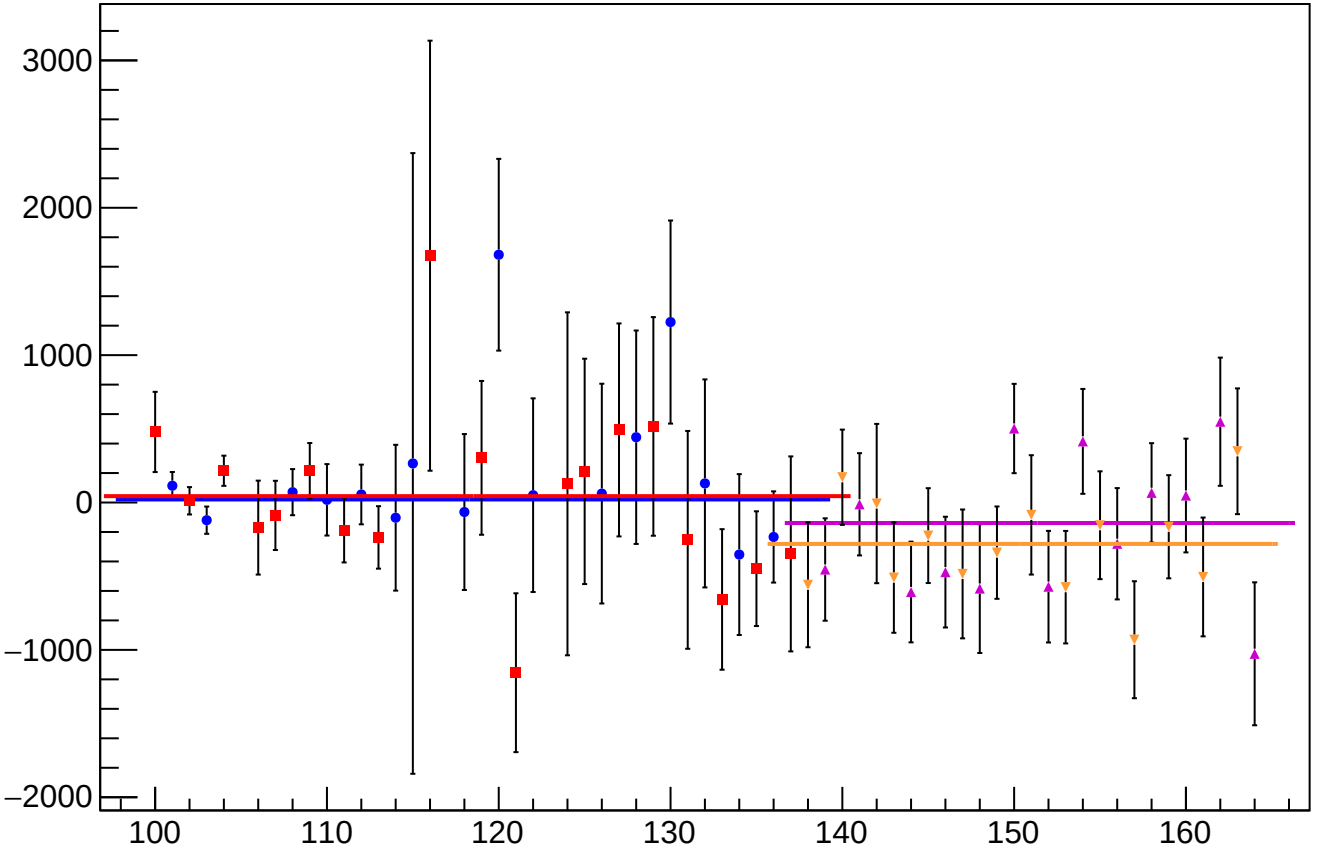
Left In: 65.581+/-0.014 χ^2/NDF:110868.7/12

+ sign 62.576+/-0.010 χ^2/NDF: 476226.7/29

All: 62.232+/-0.007 χ^2/NDF: 1085578.3/61

- 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: -280.978+/-101.350 χ^2/NDF:9.5/13

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

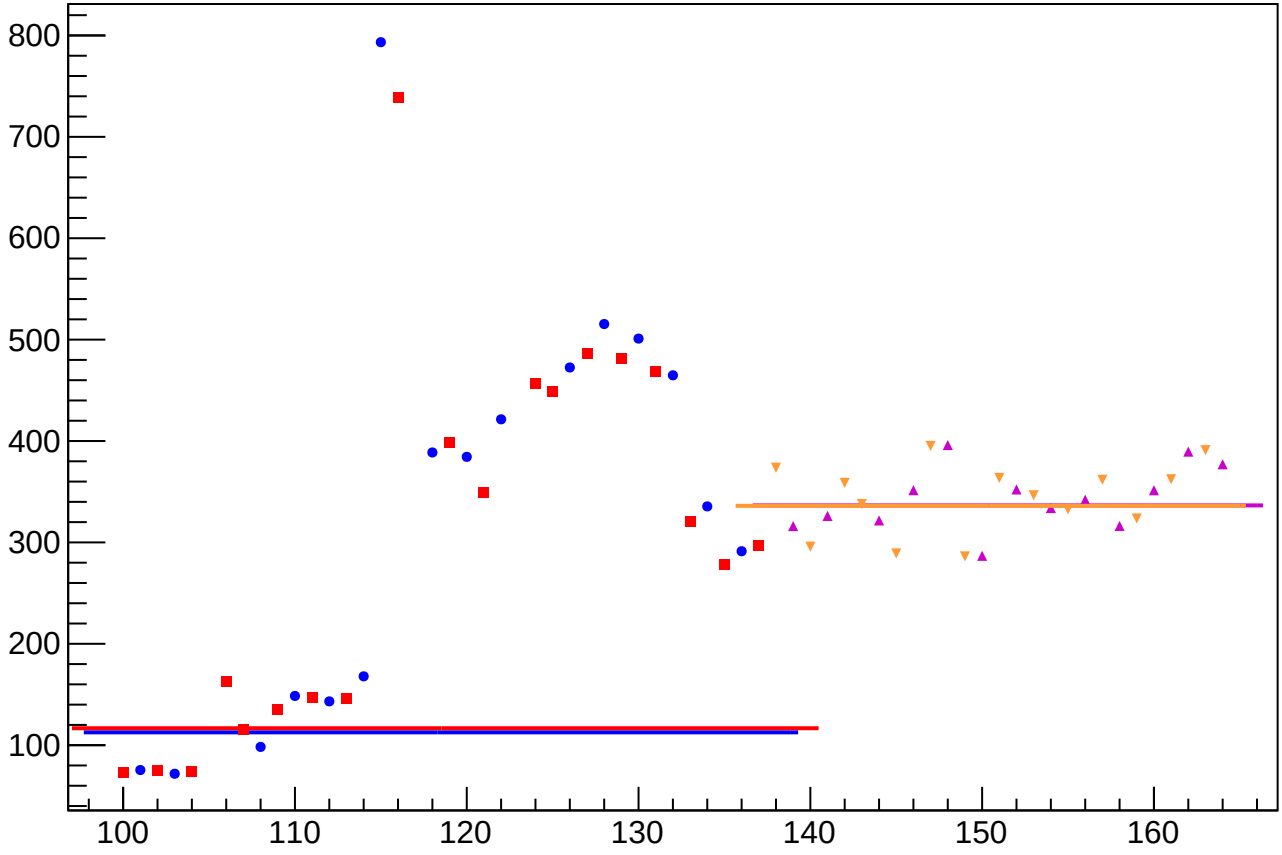
Left In: -138.992+/-102.437 χ^2/NDF:19.4/12

\+ sign -45.098+/-47.372 χ^2/NDF: 31.1/29

All: -20.201+/-33.443 χ^2/NDF: 75.1/61

\- 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: 336.078+/-0.072 χ^2/NDF:243464.0/13

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

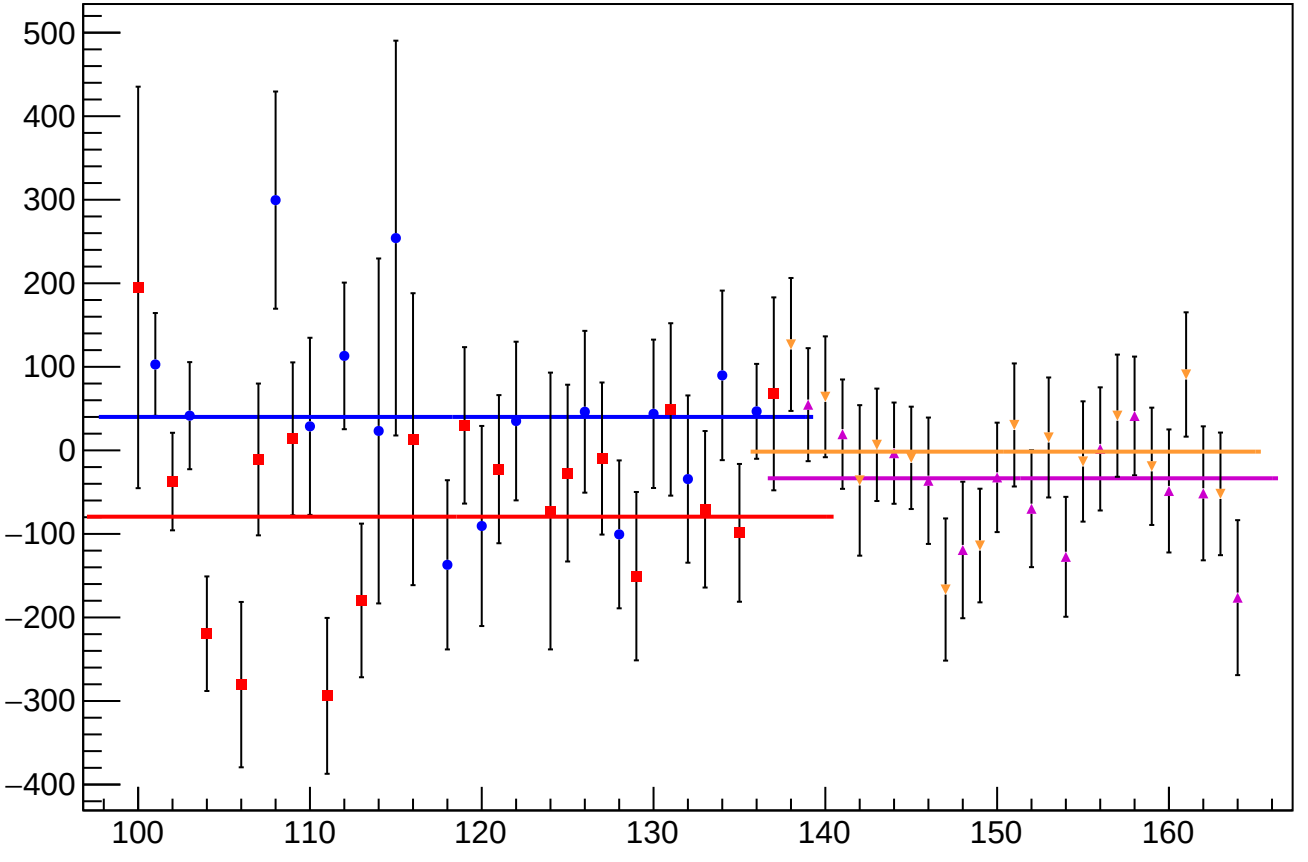
Left In: 336.496+/-0.072 χ^2/NDF:164466.9/12

+ sign 161.476+/-0.033 χ^2/NDF: 13438245.3/29

All: 162.456+/-0.024 χ^2/NDF: 25994852.9/61

- 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: -1.523+/-19.458 χ^2/NDF:12.8/13

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

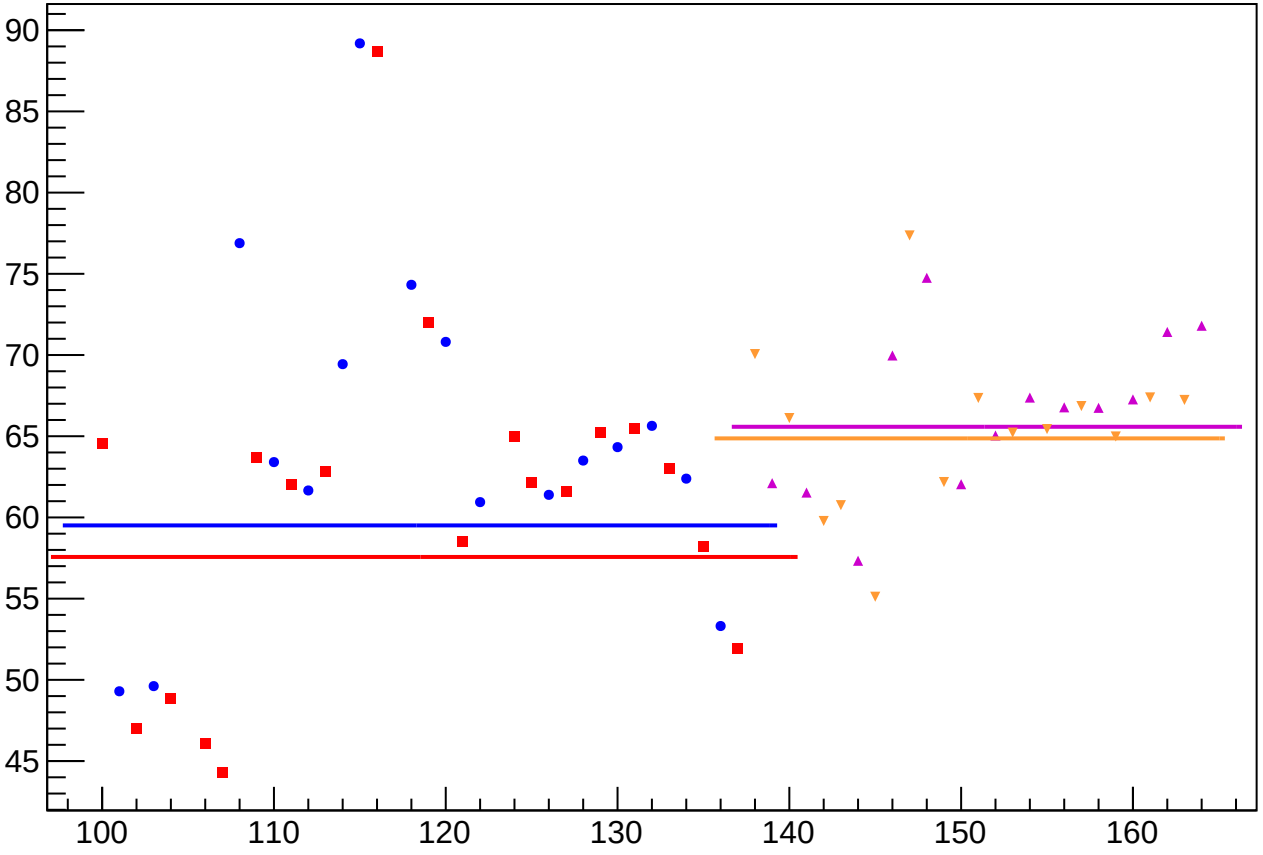
Left In: -33.404+/-19.925 χ^2/NDF:9.5/12

+ sign 16.244+/-14.722 χ^2/NDF: 28.9/29

All: -19.362+/-10.380 χ^2/NDF: 77.3/61

- 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: 64.867+/-0.014 χ^2/NDF:128193.5/13

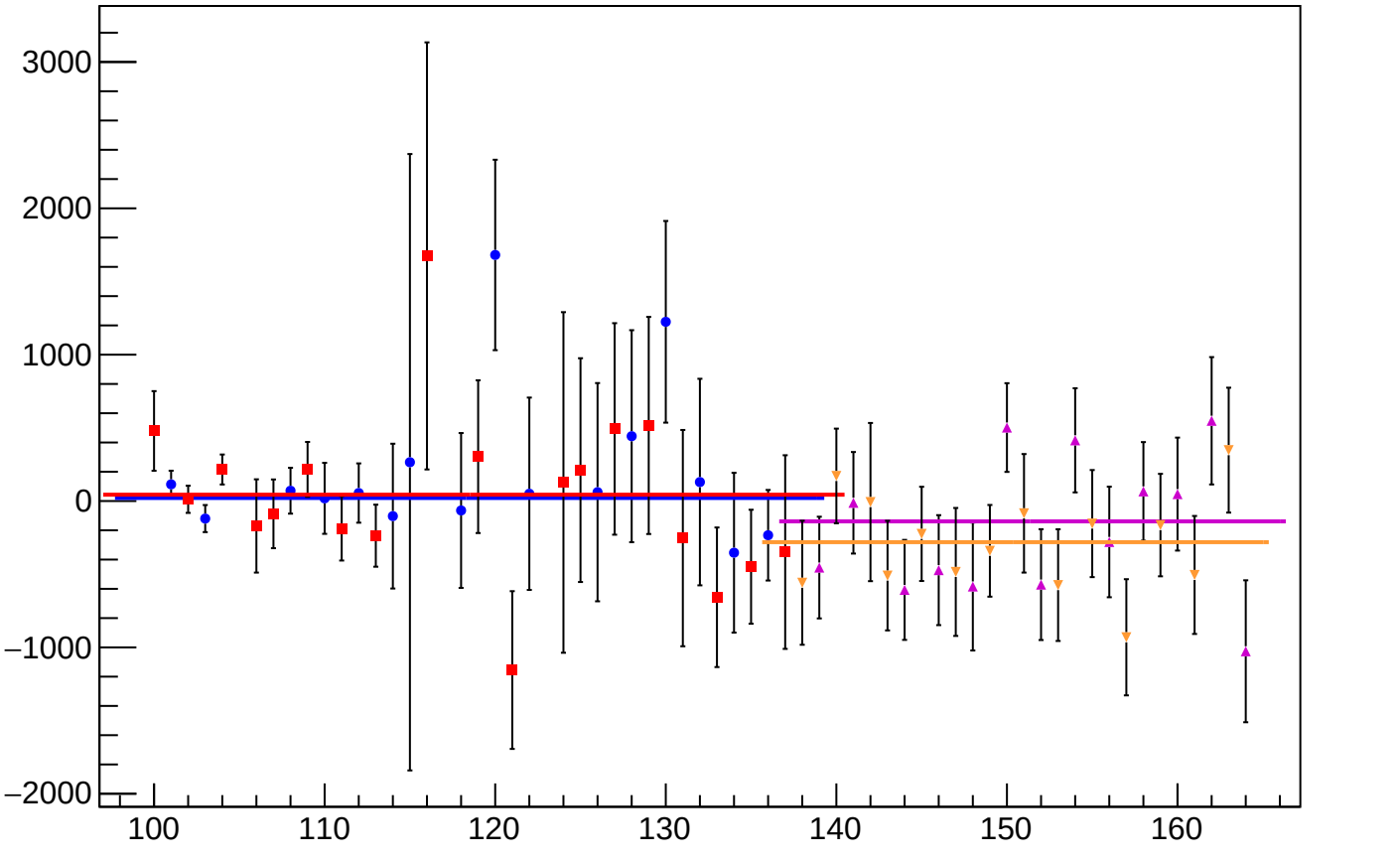
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.582+/-0.014 χ^2/NDF:110865.6/12

+ sign 62.576+/-0.010 χ^2/NDF: 476231.2/29

All: 62.232+/-0.007 χ^2/NDF: 1085584.2/61

- 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: -280.977+/-101.350 χ^2/NDF:9.5/13

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

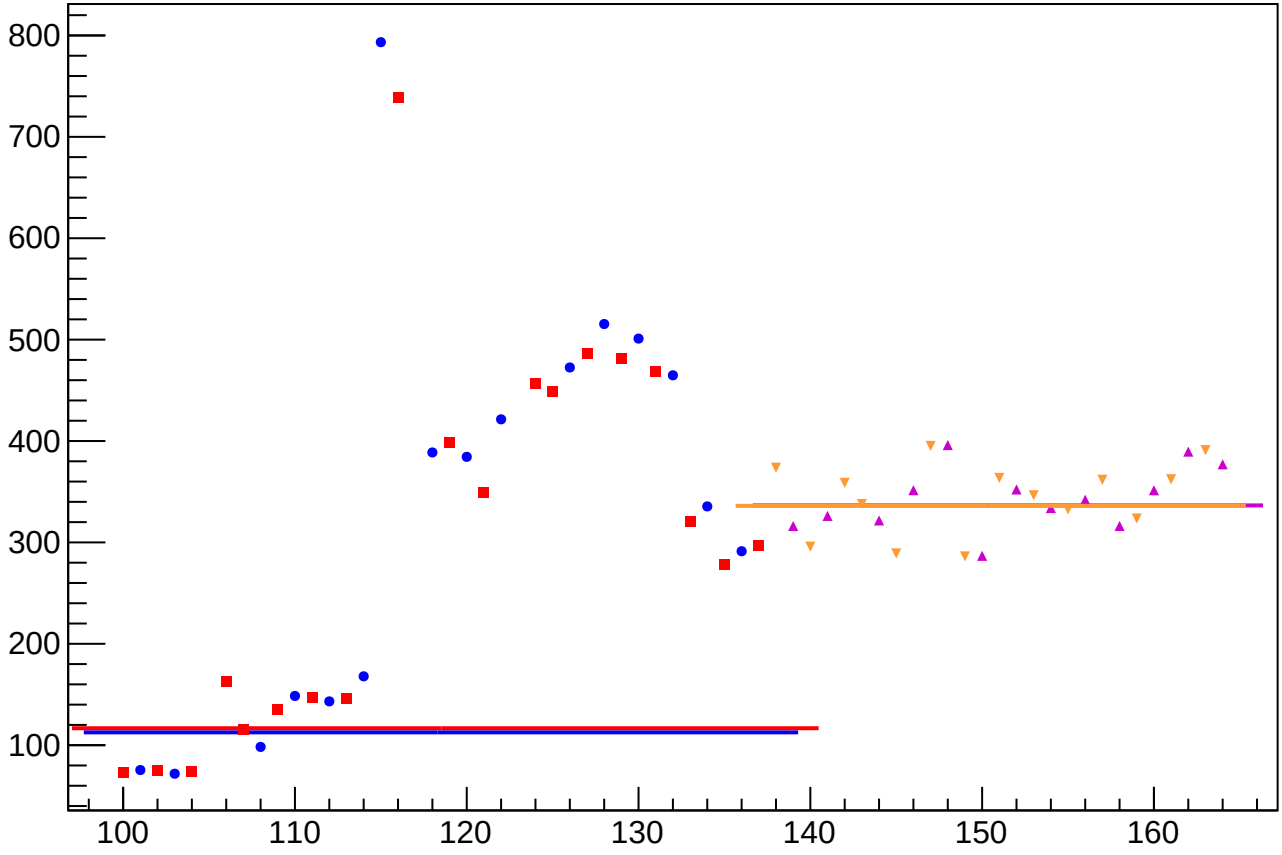
Left In: -138.992+/-102.438 χ^2/NDF:19.4/12

+ sign -45.097+/-47.372 χ^2/NDF: 31.1/29

All: -20.201+/-33.443 χ^2/NDF: 75.1/61

- 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: 336.079+/-0.072 χ^2/NDF:243462.6/13

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

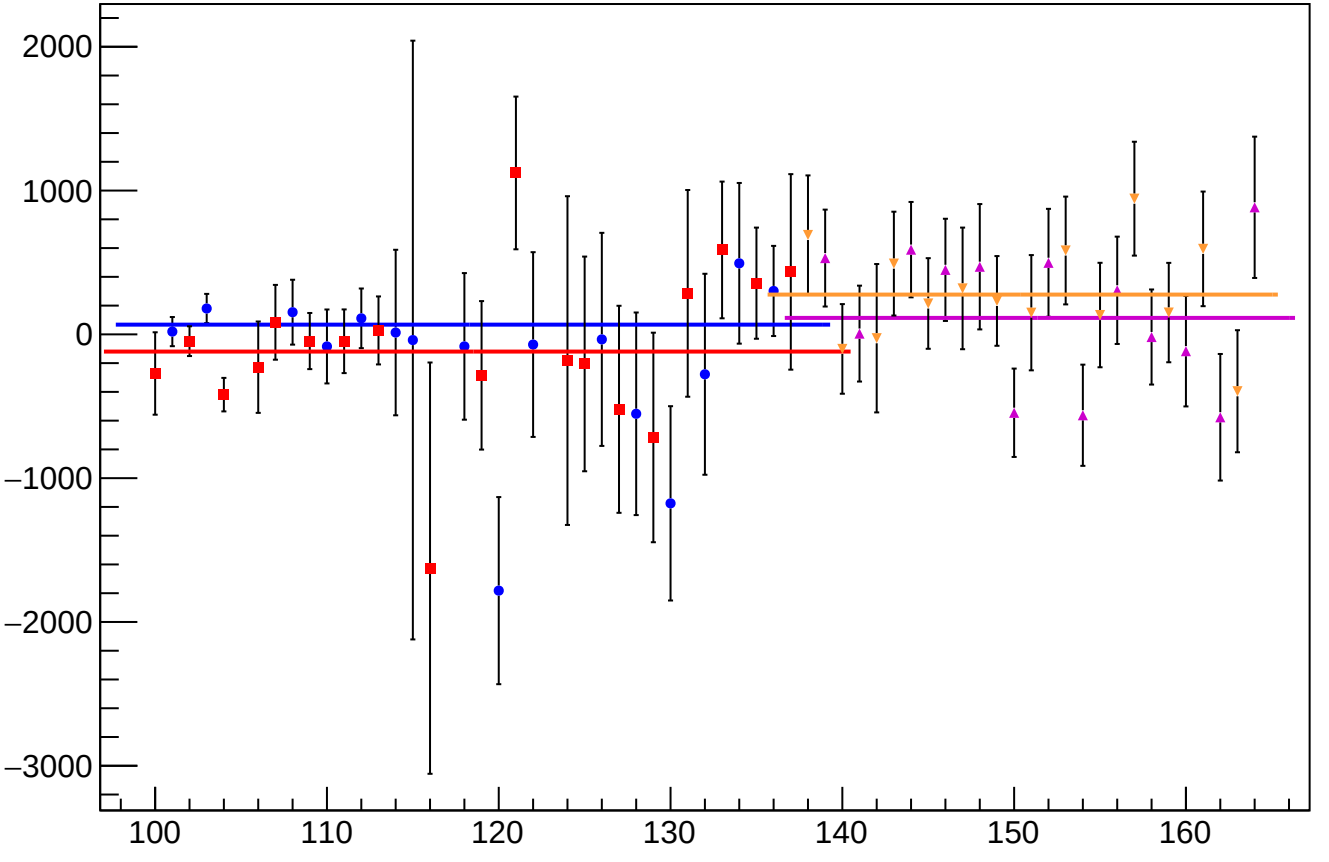
Left In: 336.497+/-0.072 χ^2/NDF:164462.8/12

+ sign 161.476+/-0.033 χ^2/NDF: 13438288.7/29

All: 162.456+/-0.024 χ^2/NDF: 25994947.8/61

- 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: 276.649+/-99.495 χ^2/NDF:10.3/13

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

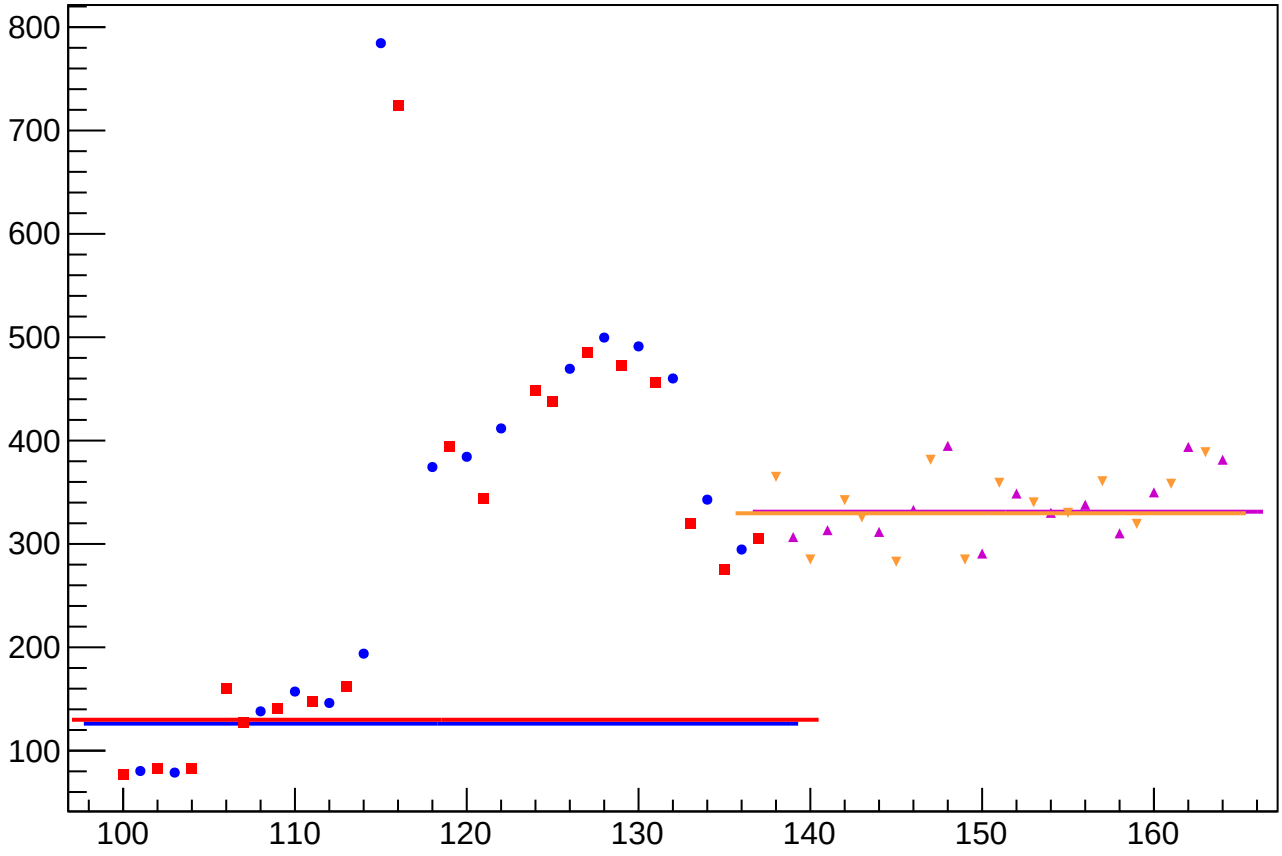
Left In: 114.483+/-100.887 χ^2/NDF:20.3/12

+ sign 122.232+/-50.856 χ^2/NDF: 29.3/29

All: 29.221+/-35.742 χ^2/NDF: 81.4/61

- 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: 329.676+/-0.070 χ^2/NDF:247777.9/13

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

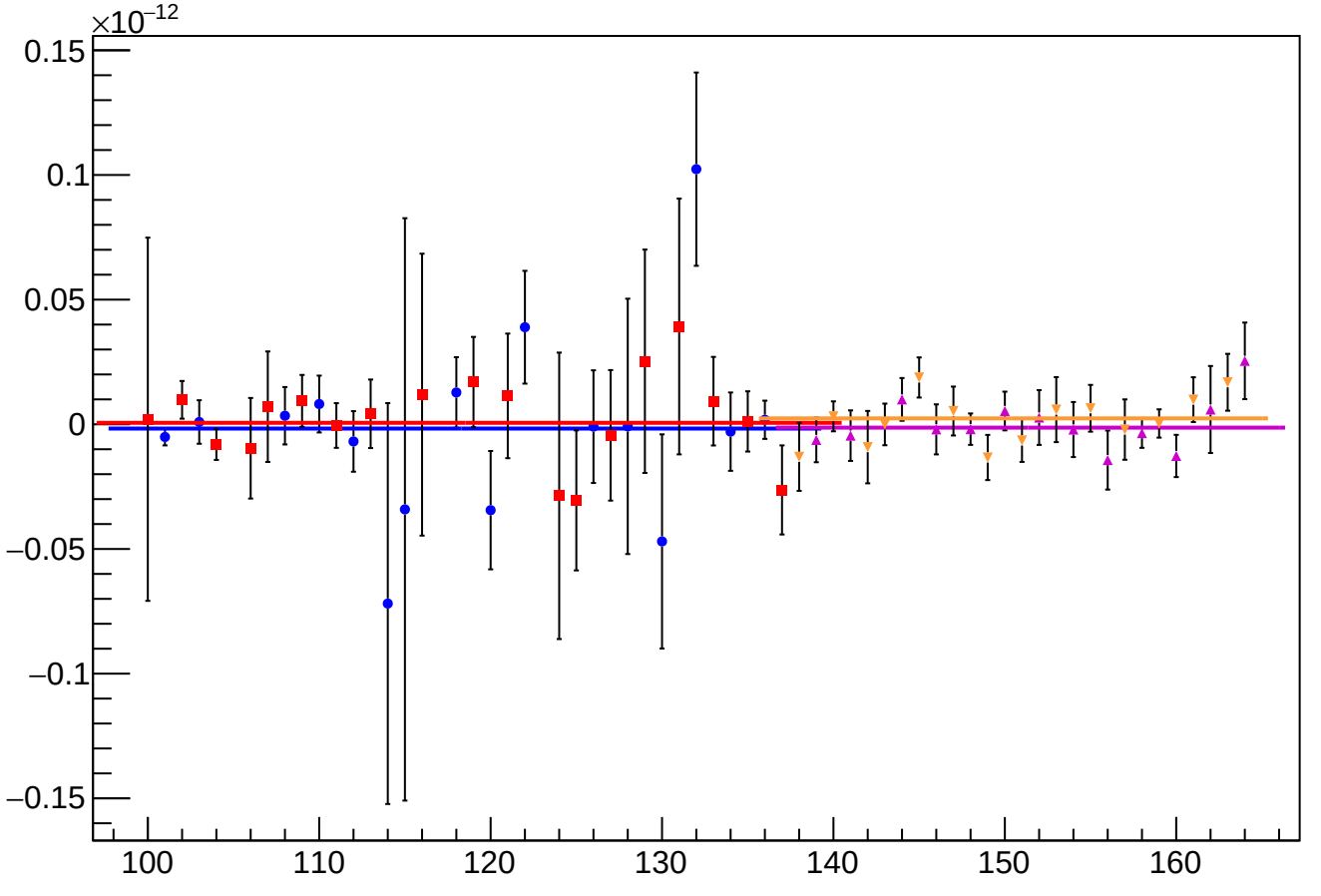
Left In: 331.197+/-0.071 χ^2/NDF:180065.3/12

+ sign 179.326+/-0.036 χ^2/NDF: 11650091.0/29

All: 179.586+/-0.025 χ^2/NDF: 22464404.6/61

- sign 179.839+/-0.036 χ^2/NDF: 10814210.9/31

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/13

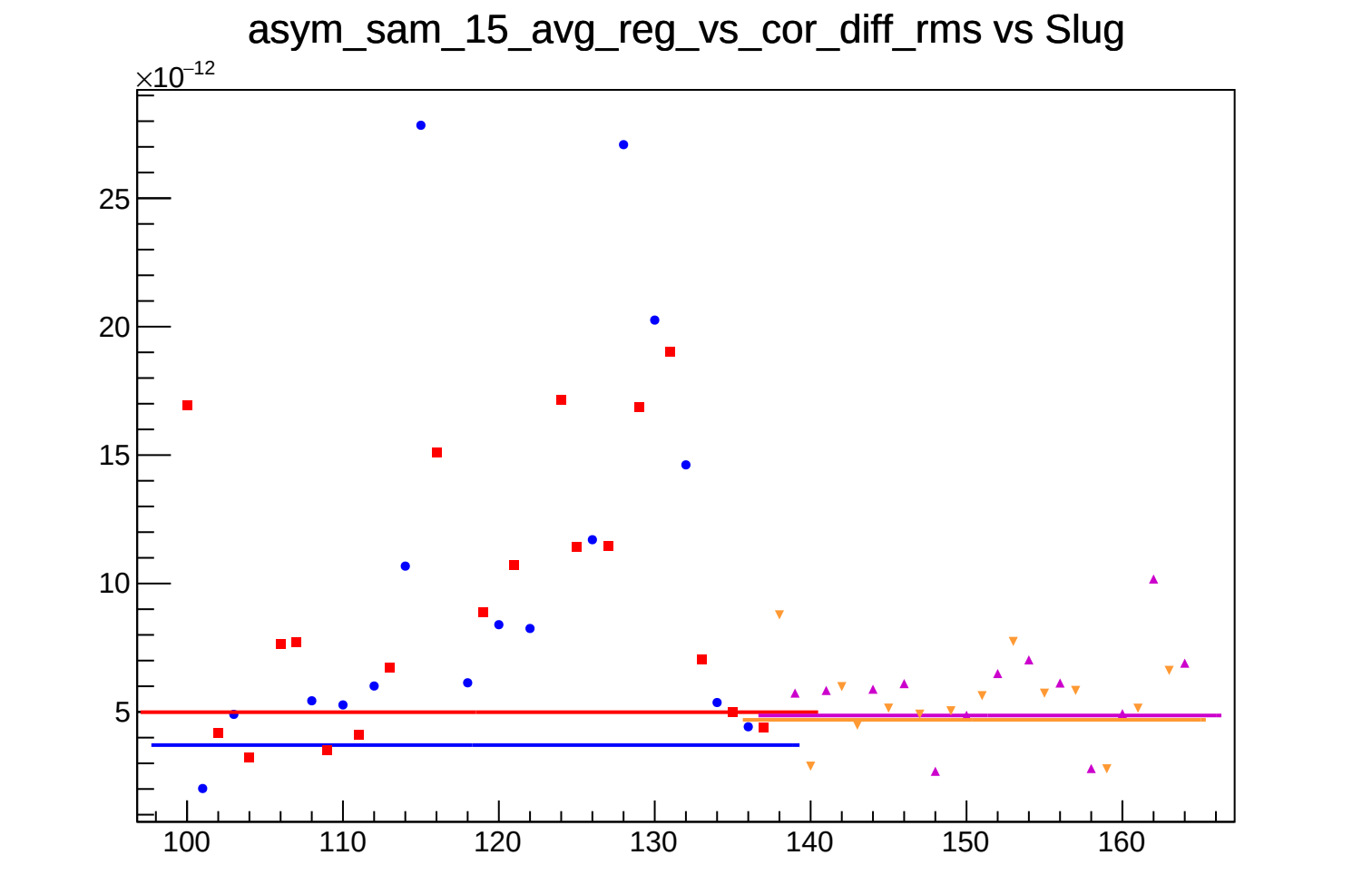
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

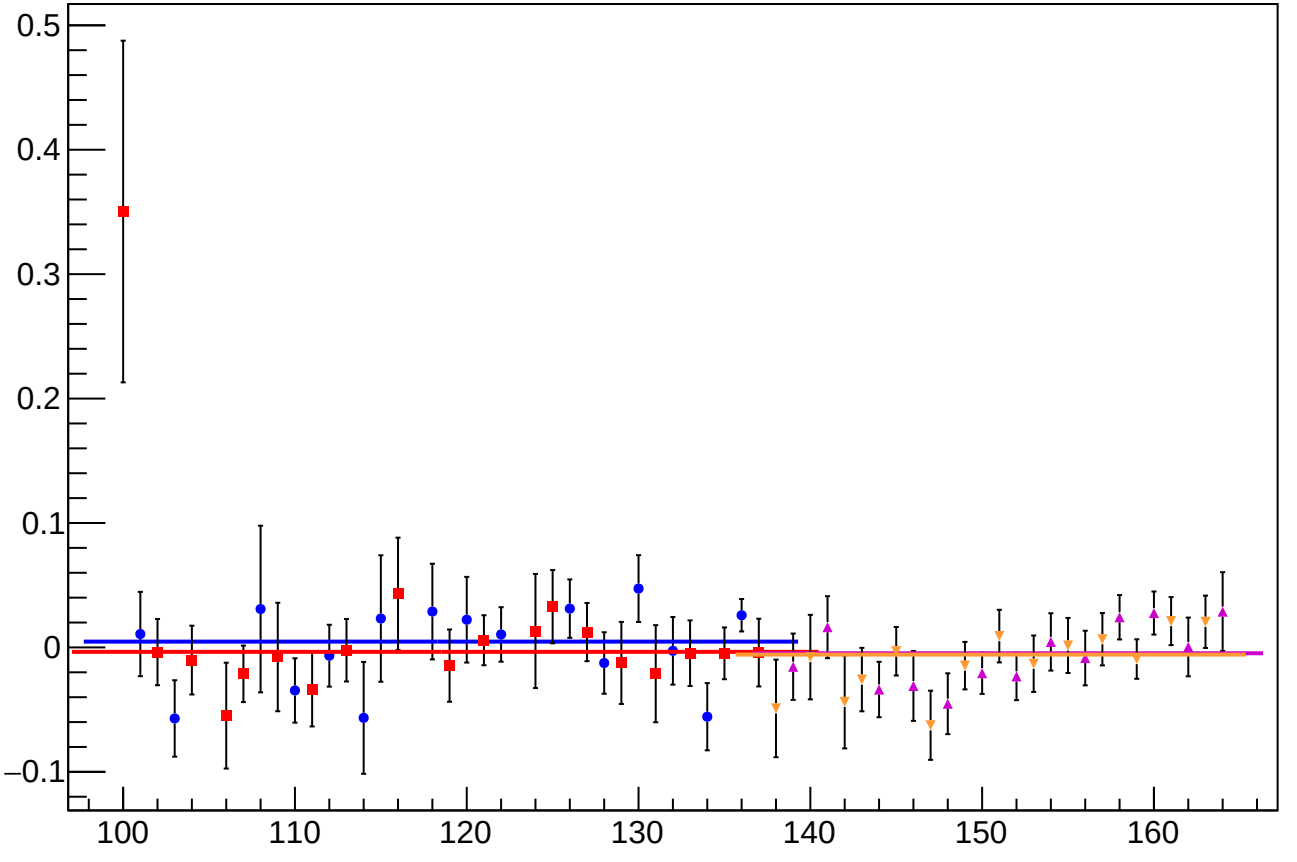
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/29

All: 0.000+/-0.000 χ^2/NDF: 52.6/61

- sign -0.000+/-0.000 χ^2/NDF: 20.2/31


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:851211.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:944721.9/12
+ sign 0.000+/-0.000 χ²/NDF: 3184588.0/29
All: 0.000+/-0.000 χ²/NDF: 5560142.4/61
- sign 0.000+/-0.000 χ²/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: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

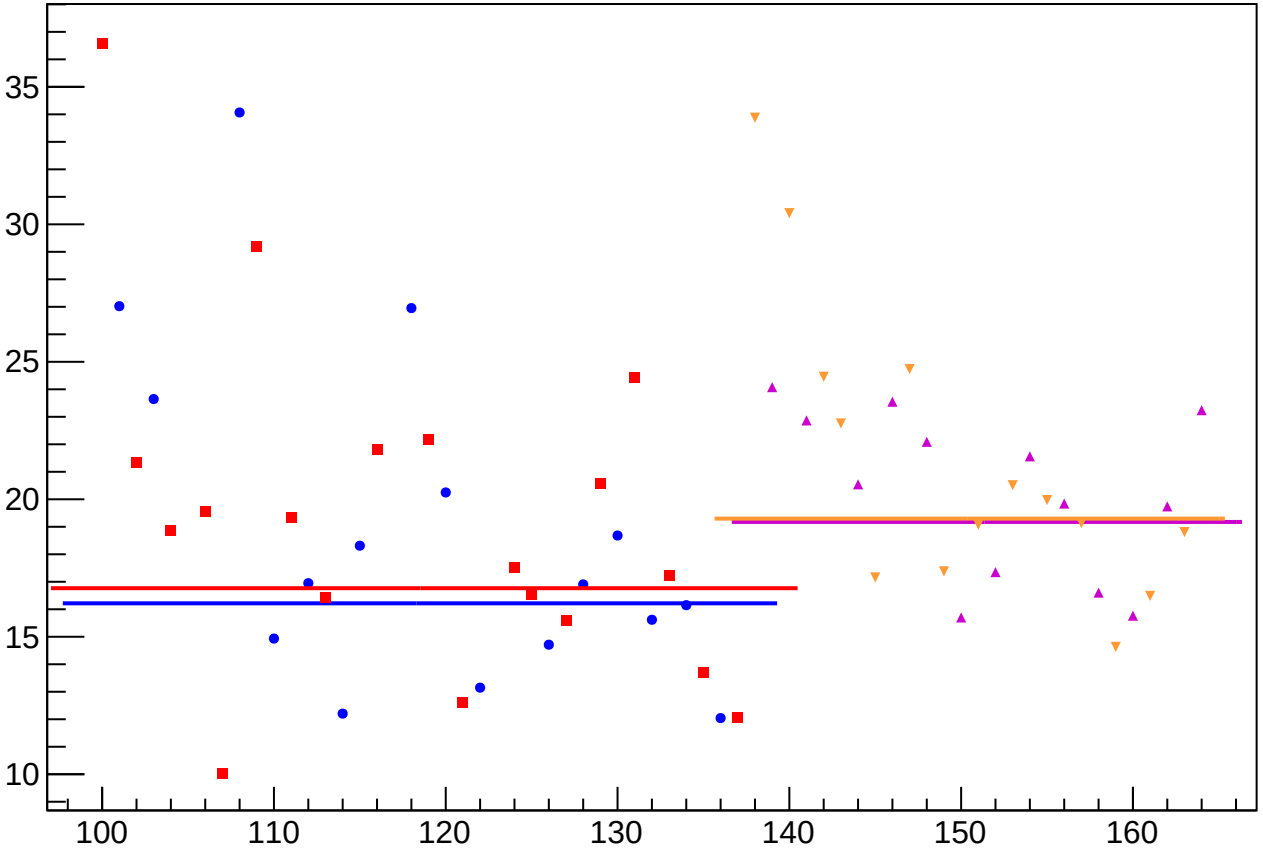
Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 64.2/61

- 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: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

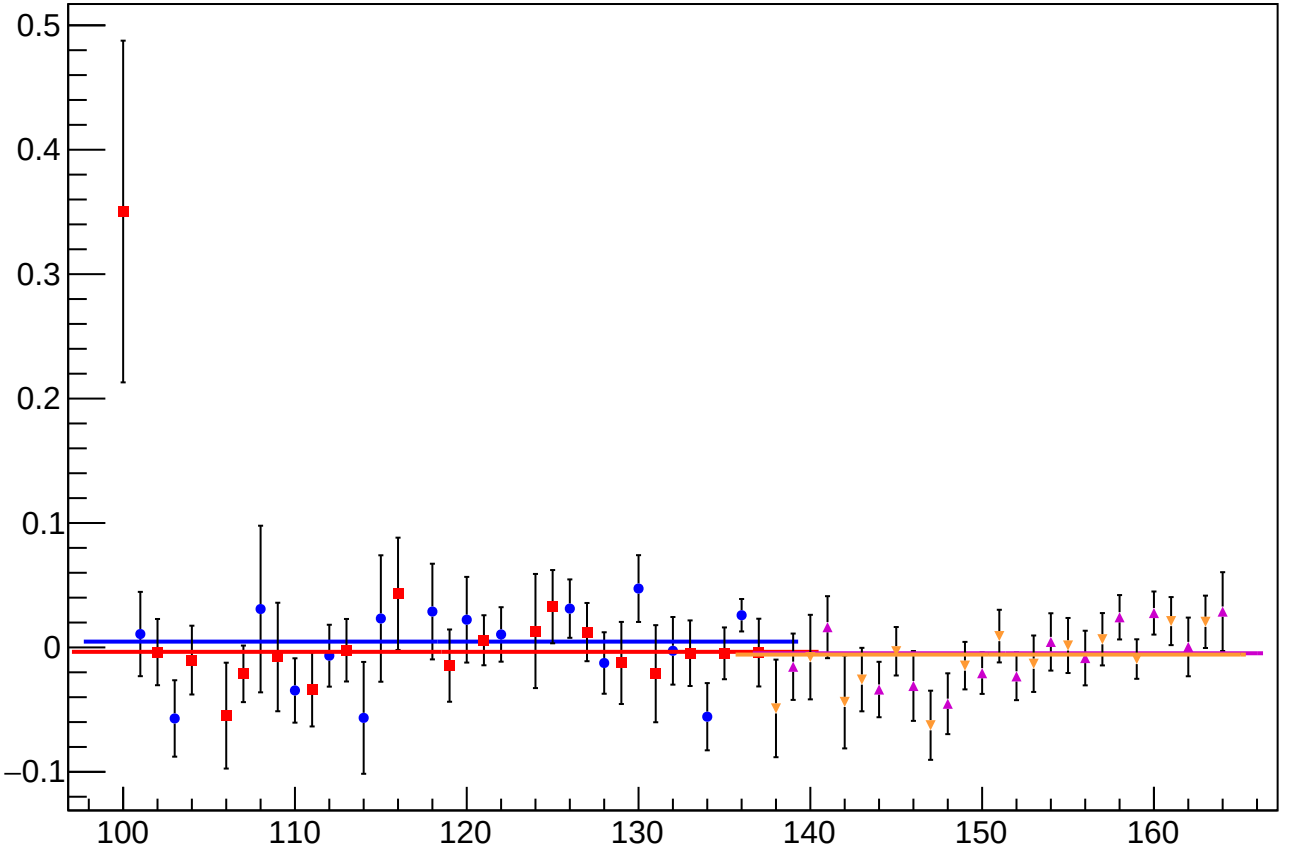
Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

+ sign 17.897+/-0.003 χ^2/NDF: 2094127.2/29

All: 17.990+/-0.002 χ^2/NDF: 3585593.9/61

- sign 18.086+/-0.003 χ^2/NDF: 1489653.4/31

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

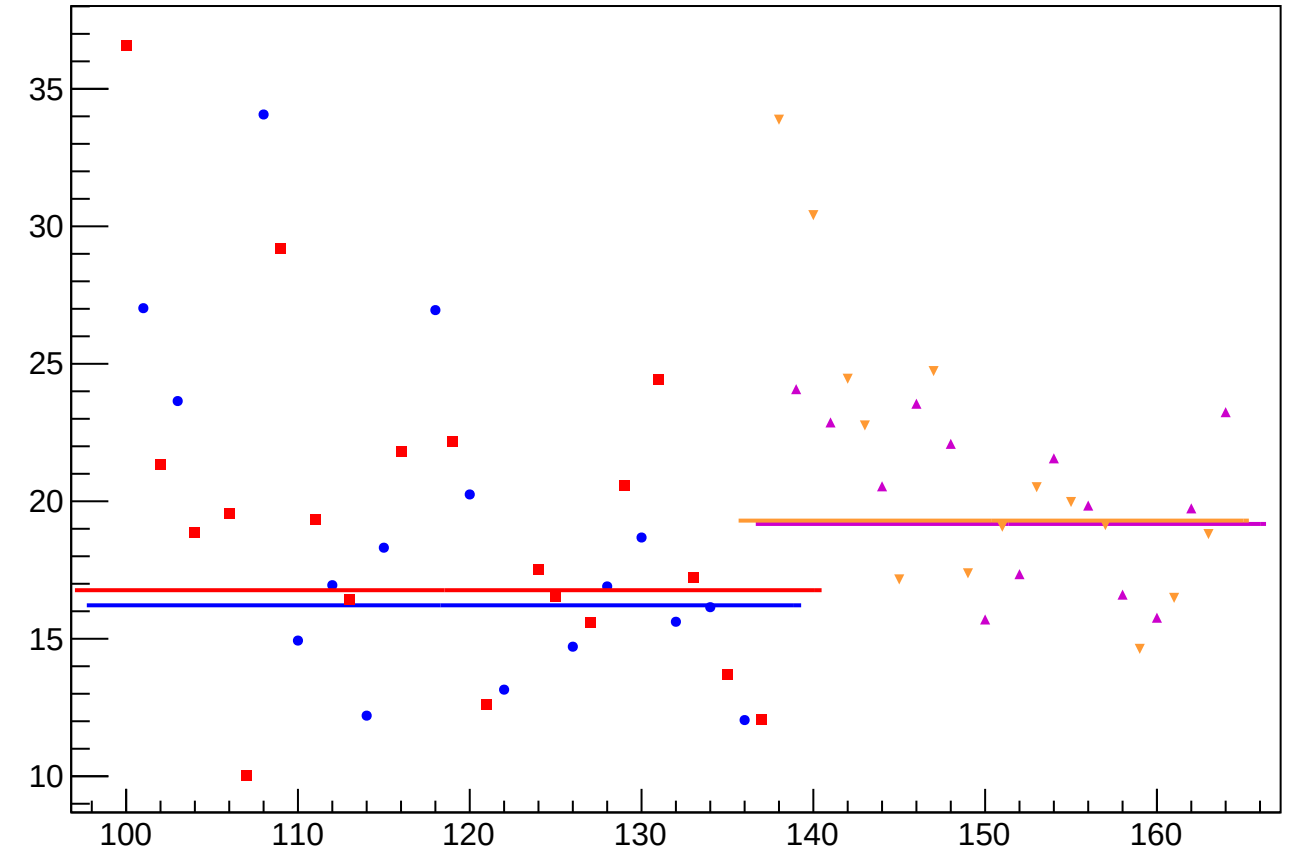
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 64.2/61

- sign -0.004+/-0.004 χ^2/NDF: 29.2/31



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.297+/-0.004 χ^2/NDF:910106.2/13

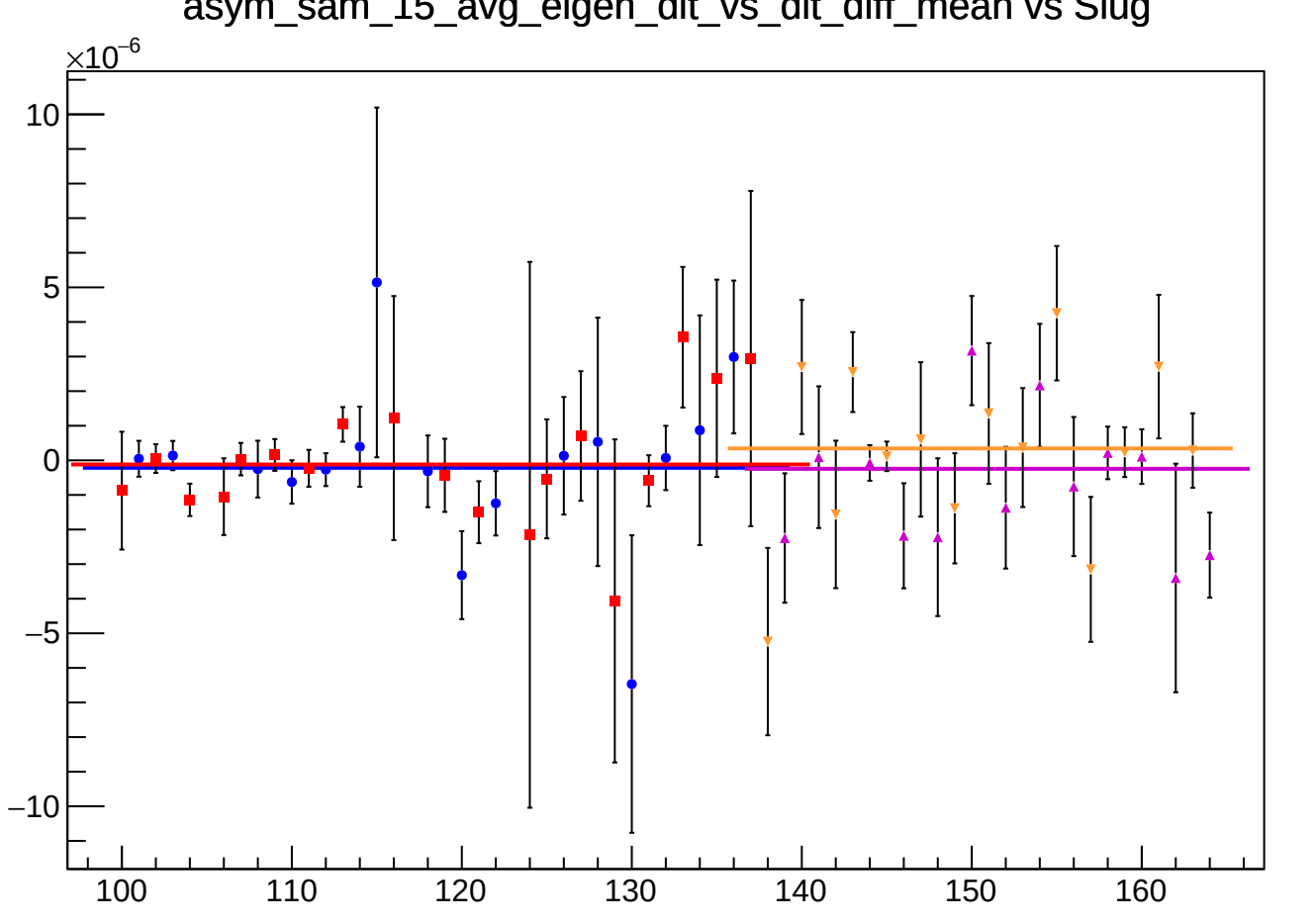
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

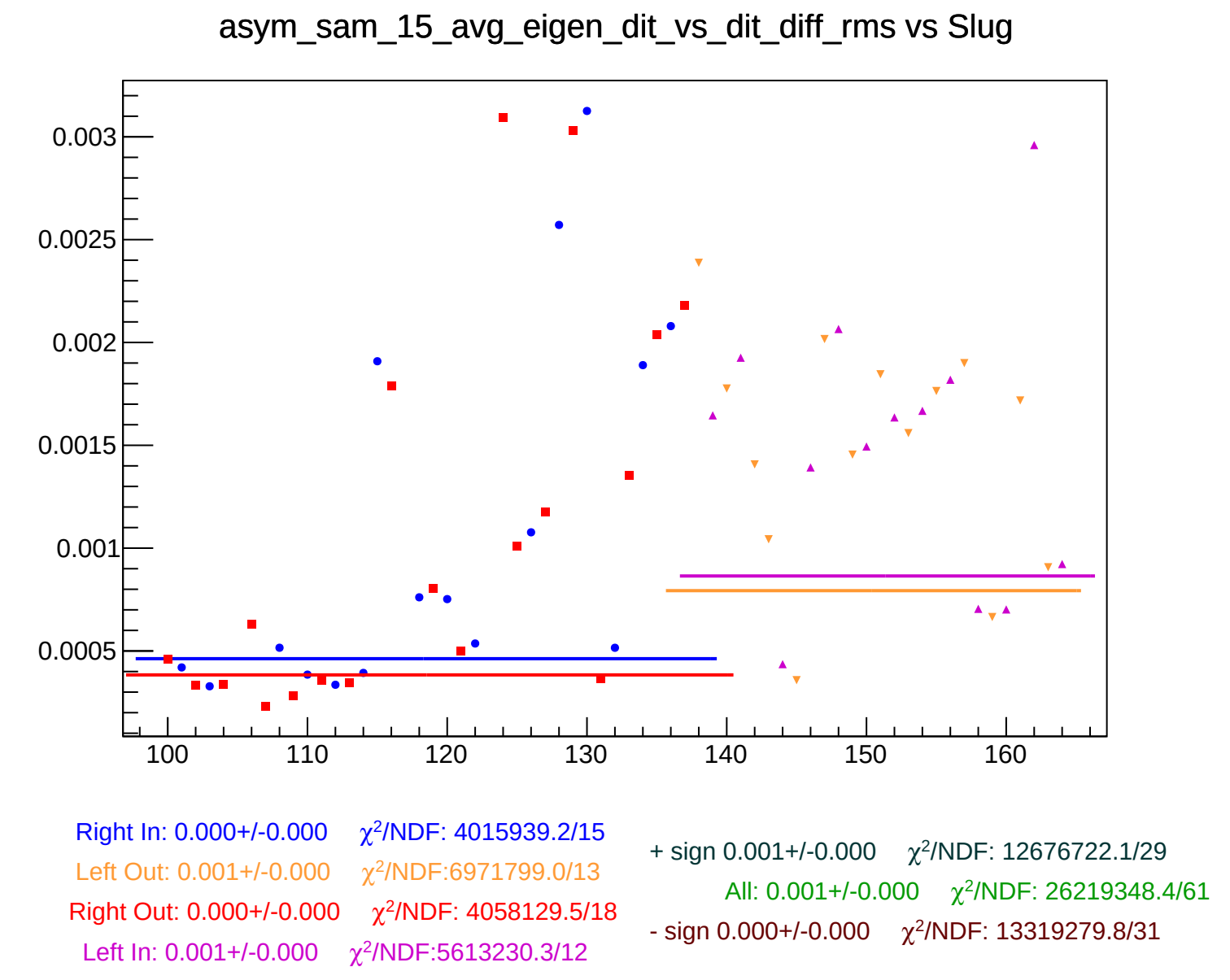
Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

+ sign 17.897+/-0.003 χ^2/NDF: 2094127.2/29

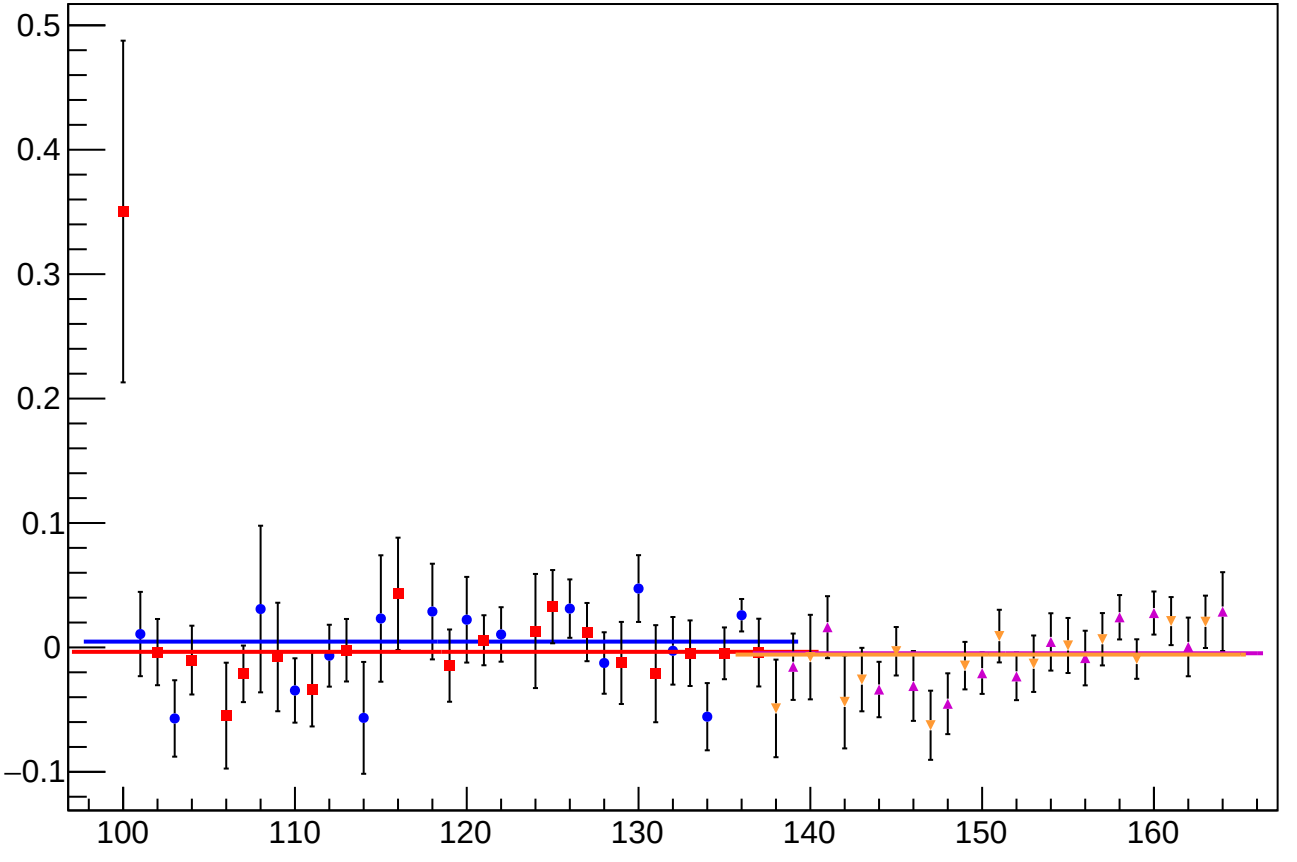
All: 17.990+/-0.002 χ^2/NDF: 3585593.9/61

- sign 18.086+/-0.003 χ^2/NDF: 1489653.4/31


asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.5/15
Left Out: 0.000+/-0.000 χ²/NDF:20.1/13
Right Out: -0.000+/-0.000 χ²/NDF: 20.2/18
Left In: -0.000+/-0.000 χ²/NDF:16.2/12
+ sign -0.000+/-0.000 χ²/NDF: 37.0/29
All: -0.000+/-0.000 χ²/NDF: 73.8/61
- sign -0.000+/-0.000 χ²/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:6971799.0/13
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: 12676722.1/29
All: 0.001+/-0.000 χ²/NDF: 26219348.4/61
- 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: -0.006+/-0.006 χ^2/NDF:11.9/13

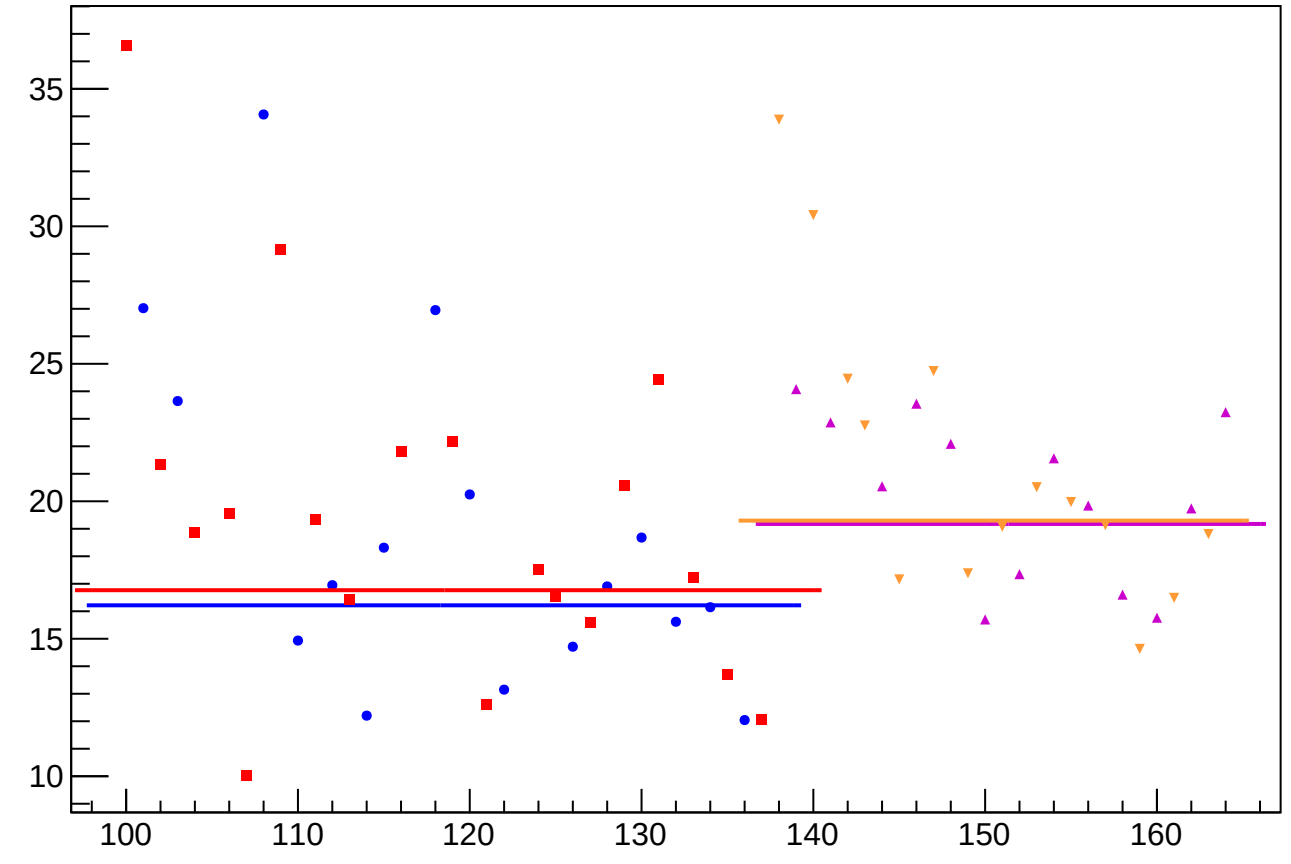
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 64.2/61

- 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: 19.297+/-0.004 χ^2/NDF:910208.0/13

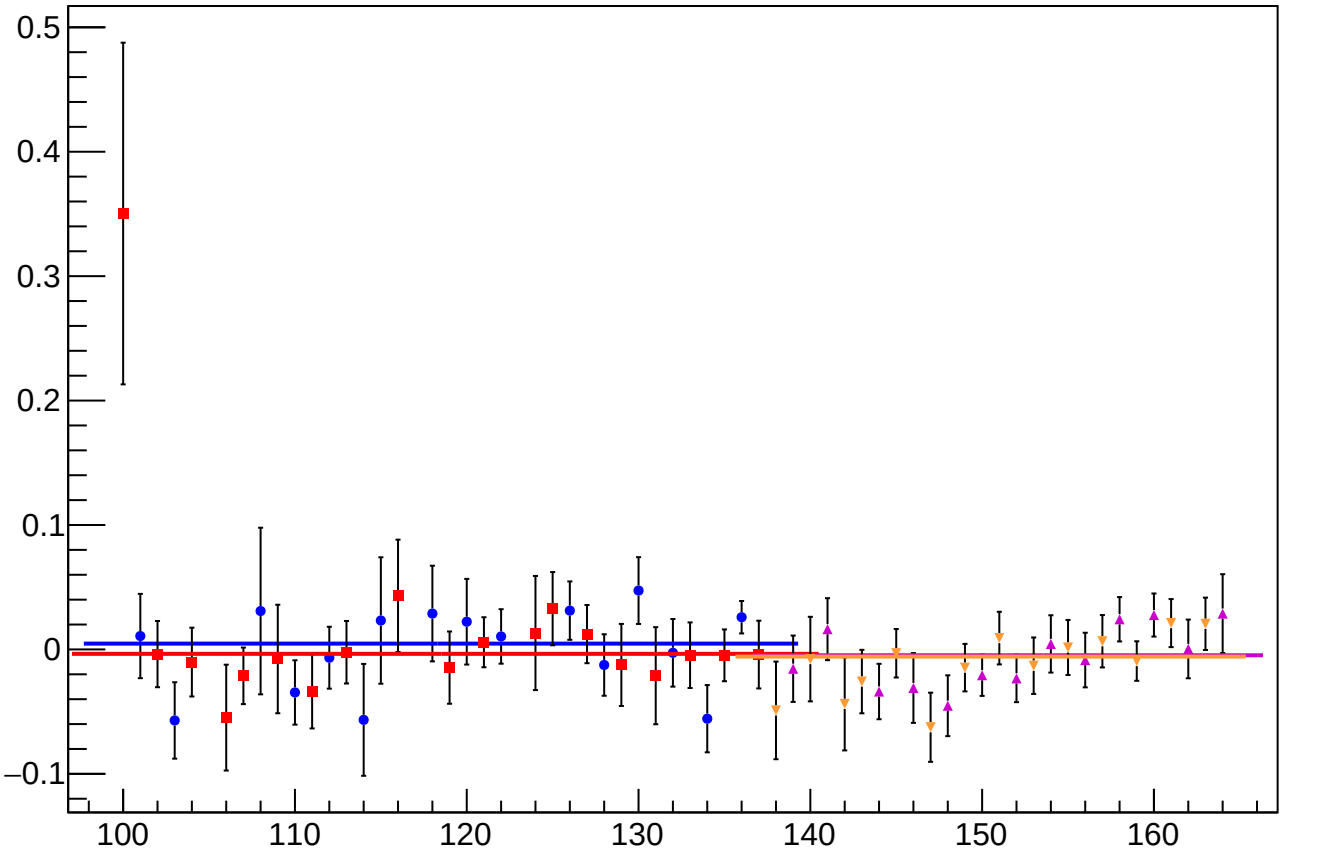
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

\+ sign 17.896+/-0.003 χ^2/NDF: 2094224.1/29

All: 17.990+/-0.002 χ^2/NDF: 3585795.0/61

\- 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: -0.006+/-0.006 χ^2/NDF:11.9/13

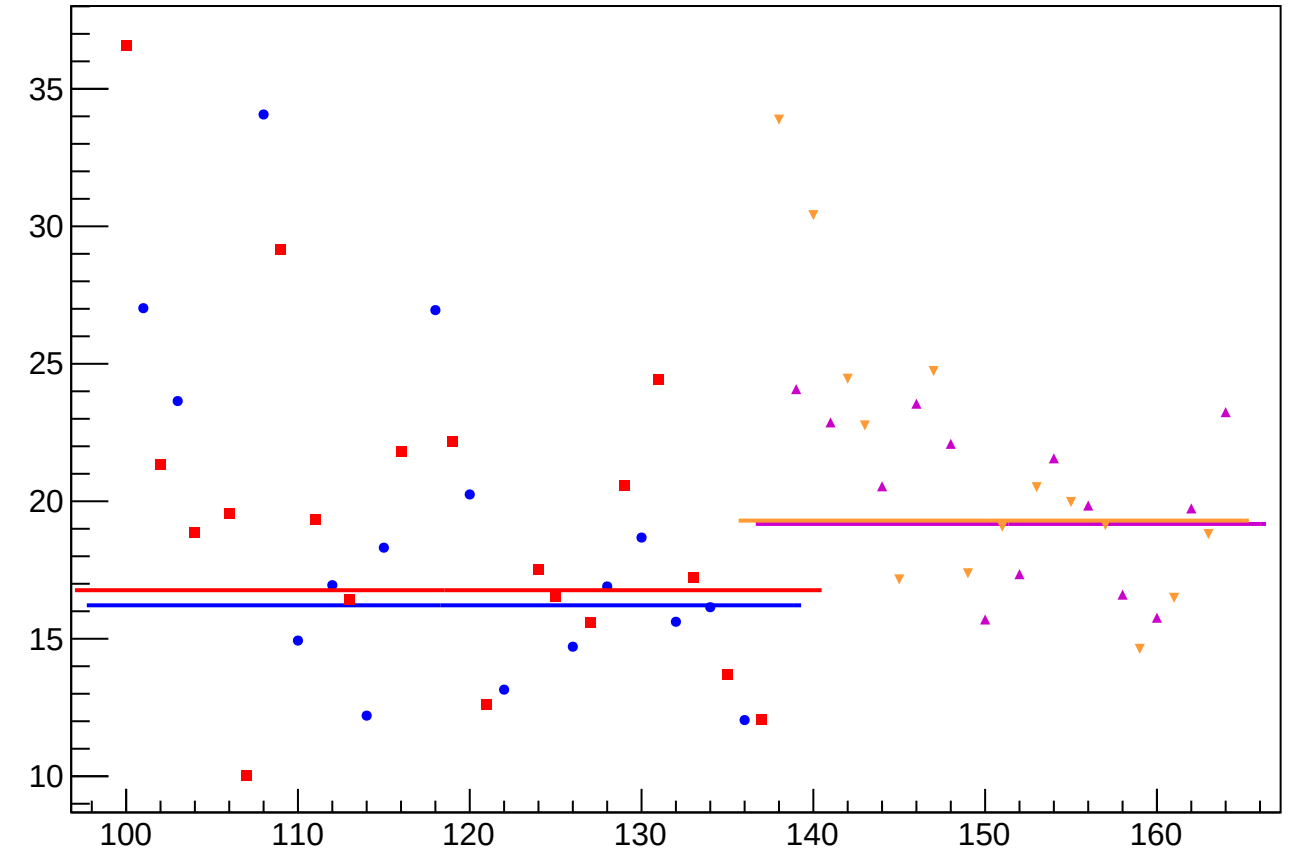
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 64.2/61

- 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: 19.297+/-0.004 χ^2/NDF:910208.0/13

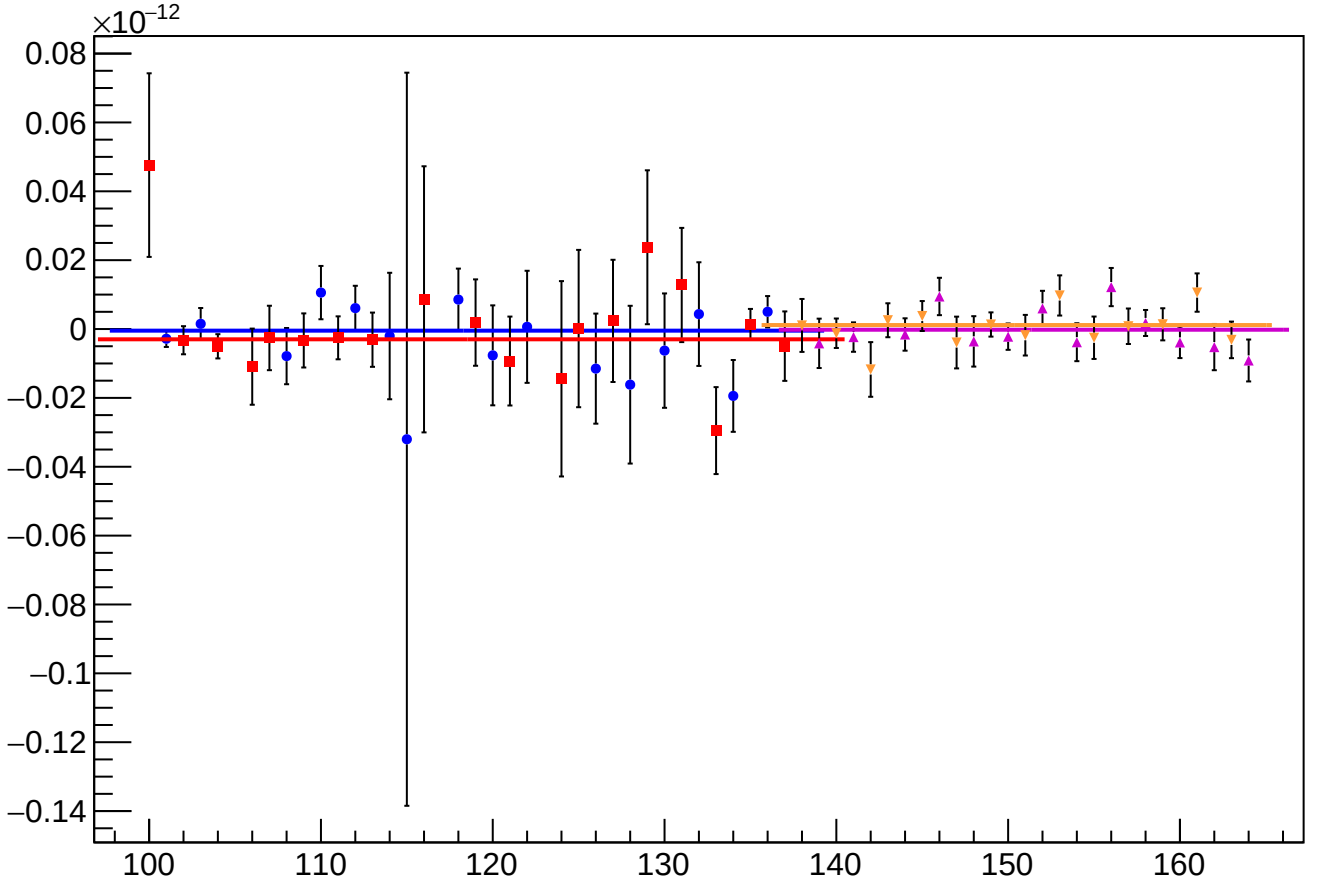
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

+ sign 17.896+/-0.003 χ^2/NDF: 2094224.1/29

All: 17.990+/-0.002 χ^2/NDF: 3585795.0/61

- 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:10.2/13

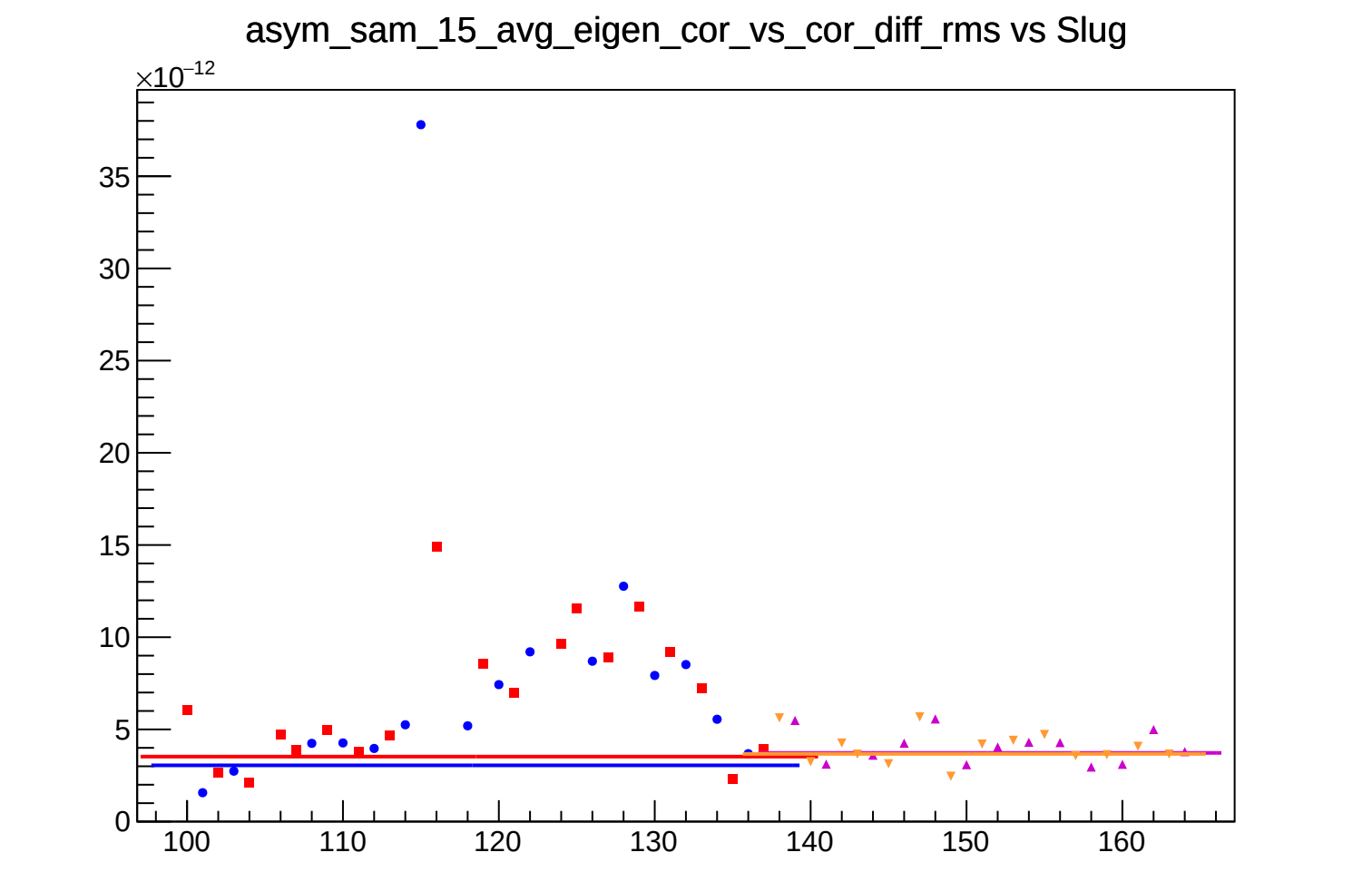
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/29

All: -0.000+/-0.000 χ^2/NDF: 53.7/61

- 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:687566.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

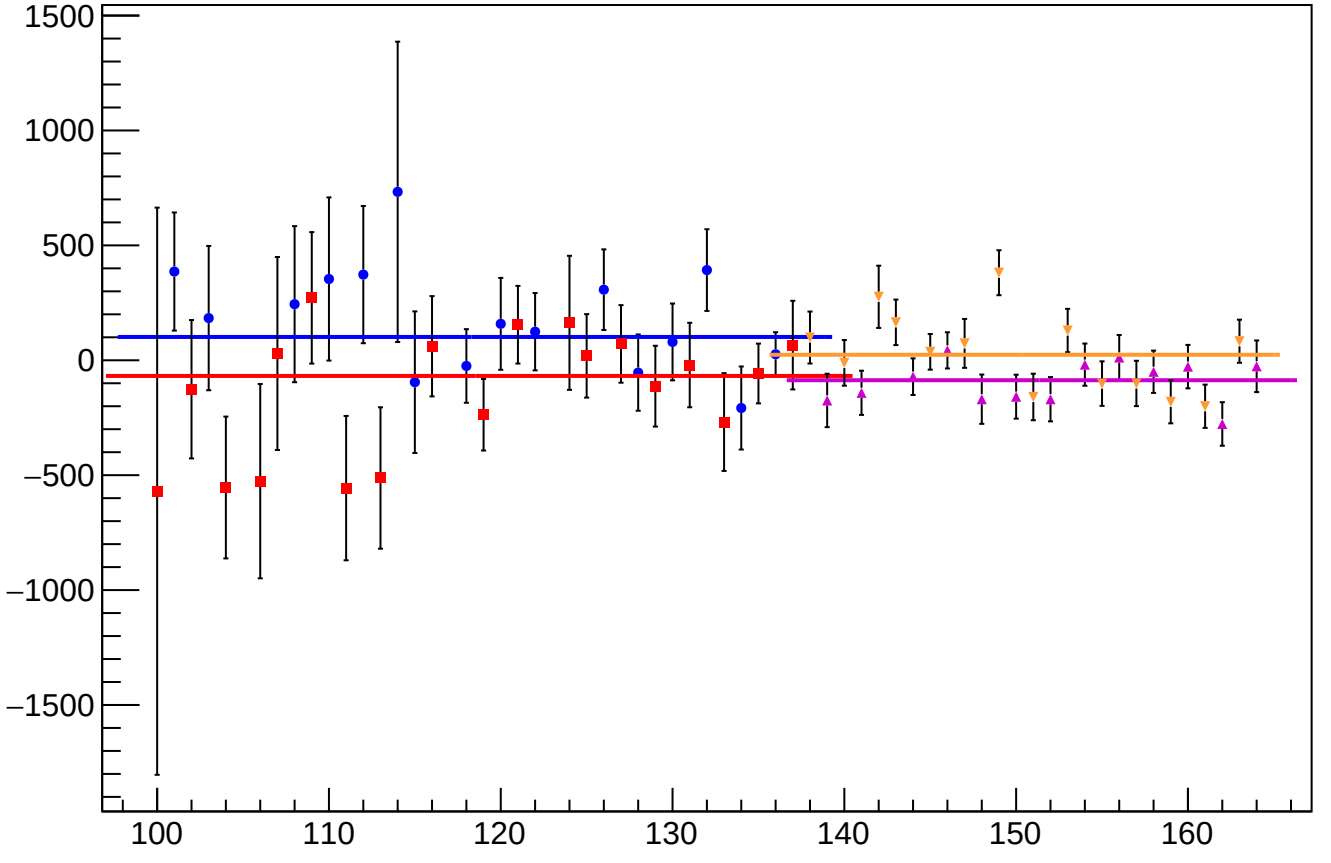
Left In: 0.000+/-0.000 χ^2/NDF:604185.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 3792440.2/29

All: 0.000+/-0.000 χ^2/NDF: 7019984.3/61

- 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: 24.015+/-26.218 χ^2/NDF:38.3/13

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

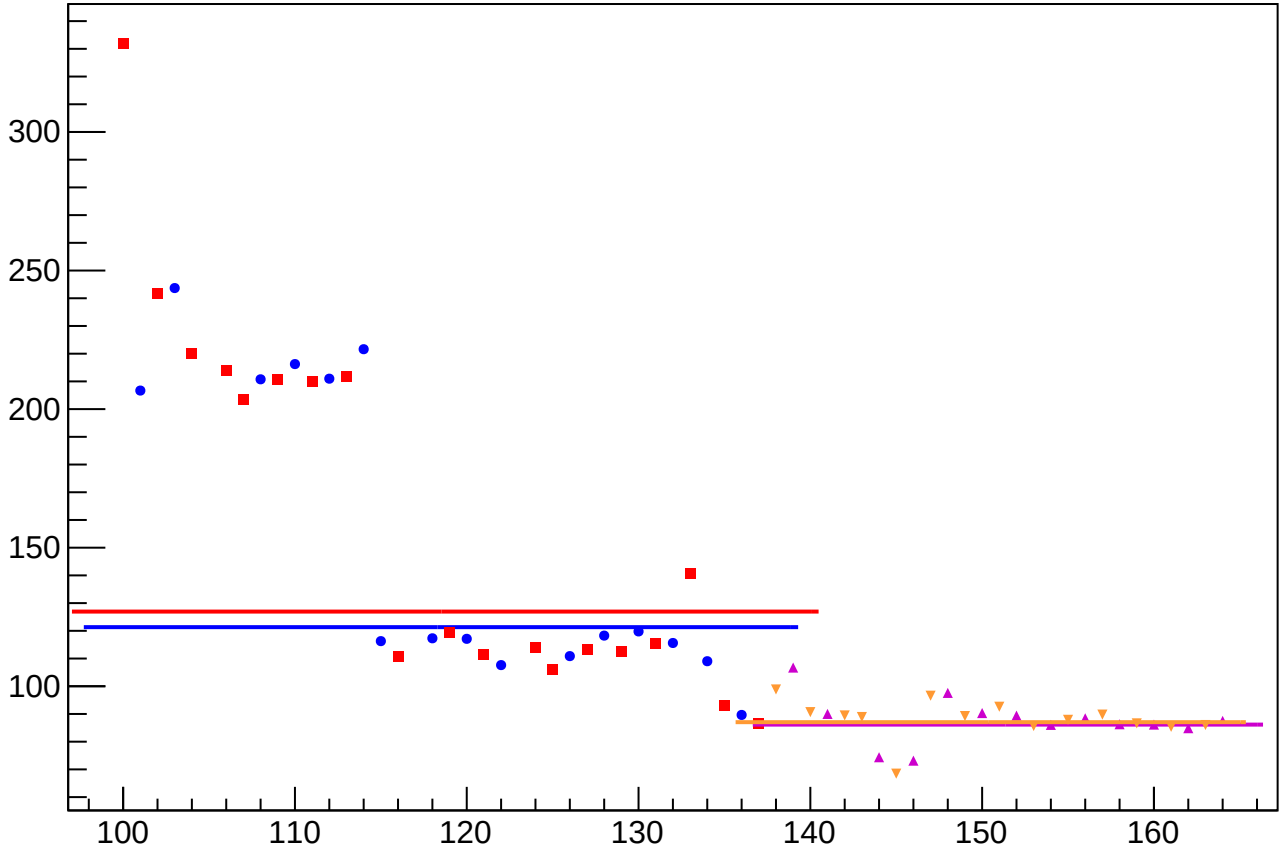
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 42.023+/-22.968 χ^2/NDF: 53.7/29

All: -19.739+/-16.318 χ^2/NDF: 96.5/61

- 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: 87.039+/-0.019 χ^2/NDF:166800.5/13

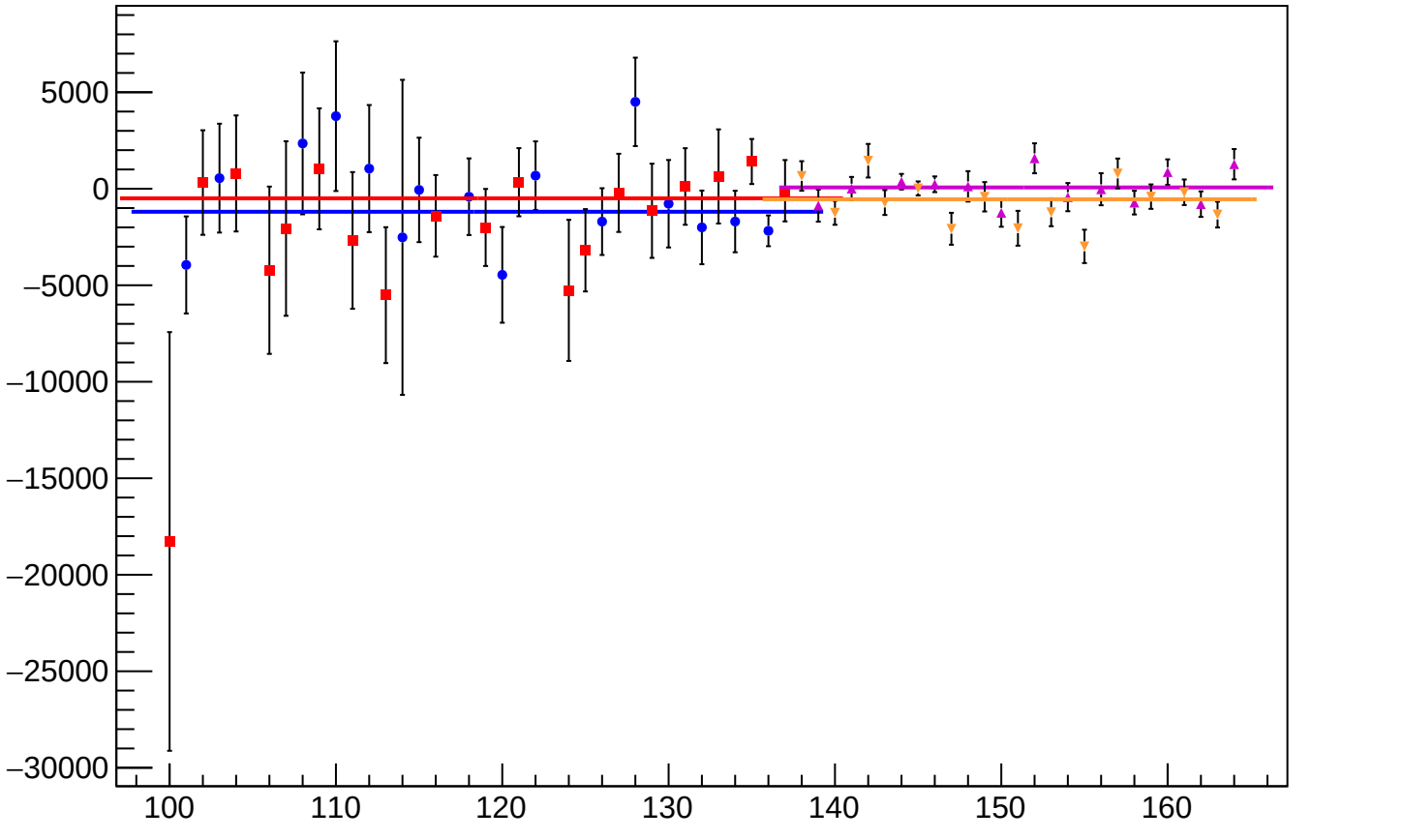
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

+ sign 95.011+/-0.016 χ^2/NDF: 2248829.5/29

All: 95.092+/-0.012 χ^2/NDF: 4980233.2/61

- 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: -544.655+/-176.856 χ^2/NDF:31.3/13

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

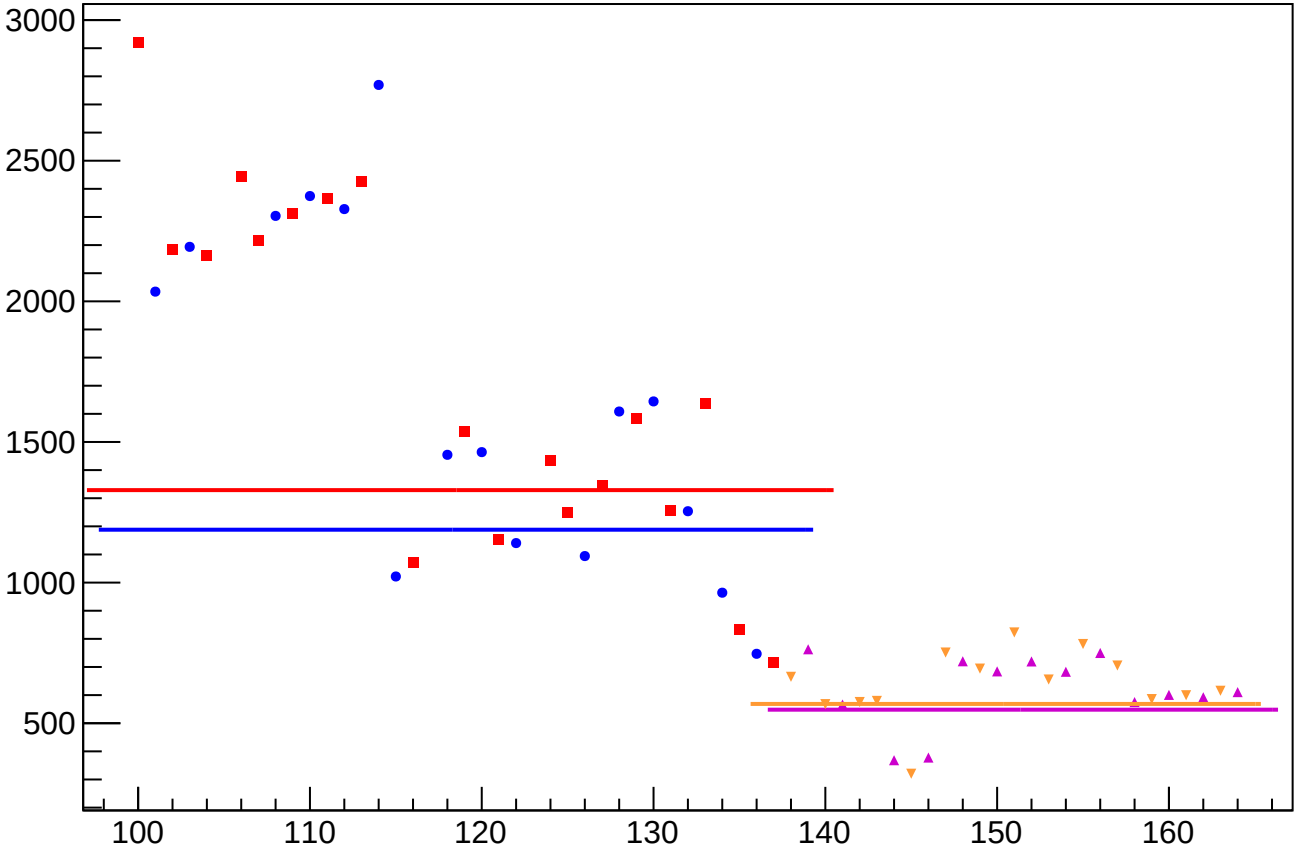
Left In: 68.136+/-172.296 χ^2/NDF:16.7/12

+ sign -622.363+/-165.905 χ^2/NDF: 48.8/29

All: -300.350+/-116.491 χ^2/NDF: 87.9/61

- 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: 568.617+/-0.125 χ^2/NDF:1510792.0/13

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

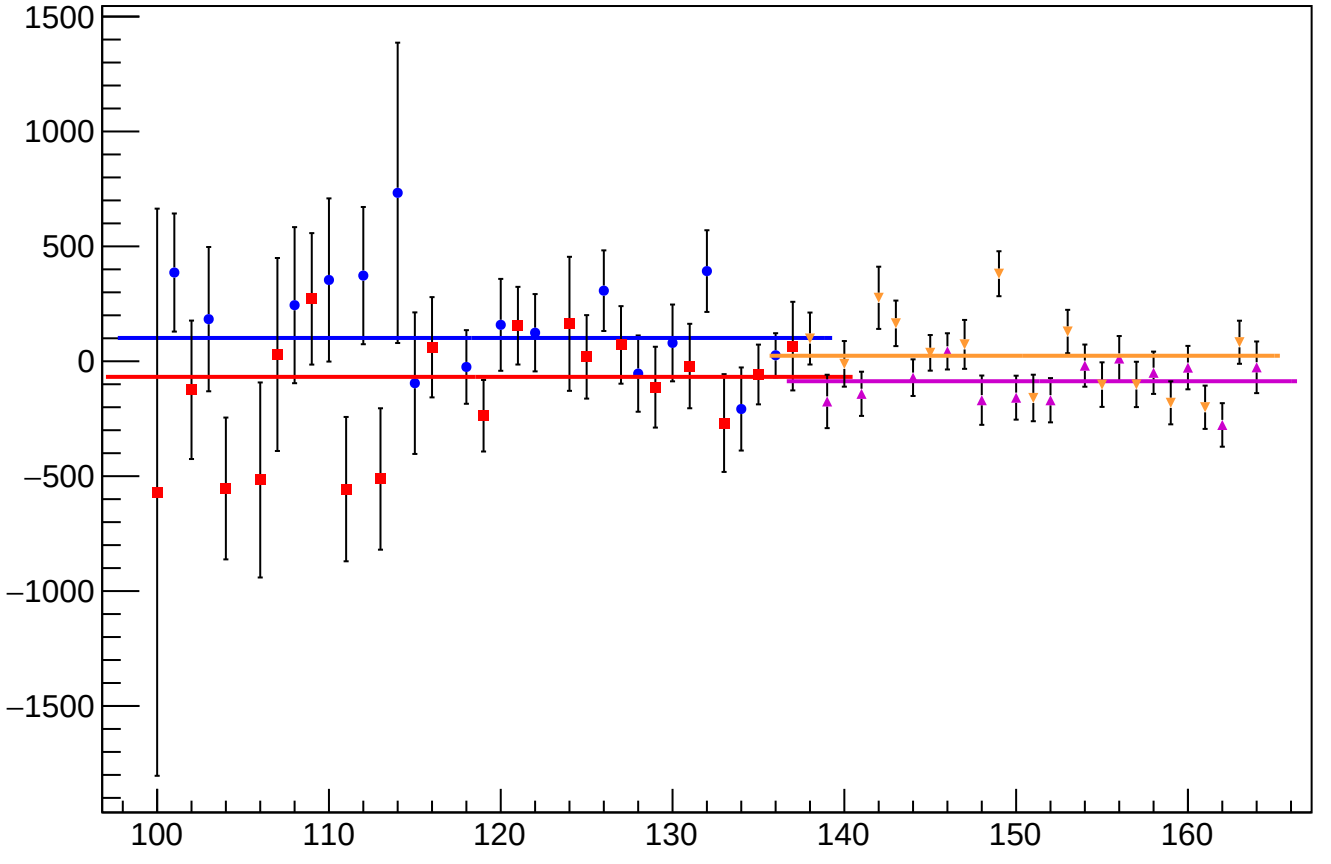
Left In: 548.177+/-0.122 χ^2/NDF:1367961.2/12

+ sign 642.957+/-0.117 χ^2/NDF: 6499988.5/29

All: 633.819+/-0.082 χ^2/NDF: 13874561.1/61

- 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: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

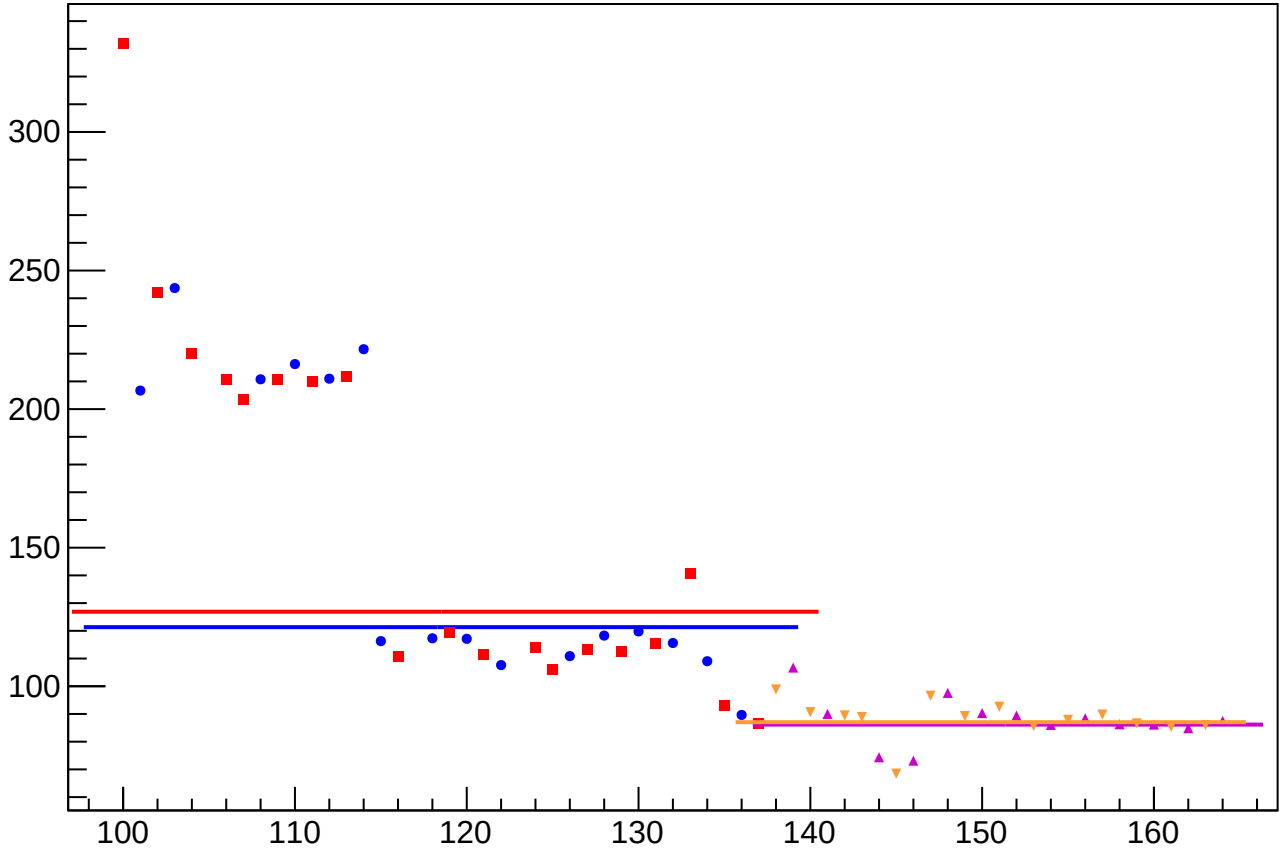
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 42.022+/-22.968 χ^2/NDF: 53.7/29

All: -19.714+/-16.318 χ^2/NDF: 96.4/61

- 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: 87.039+/-0.019 χ^2/NDF:166800.5/13

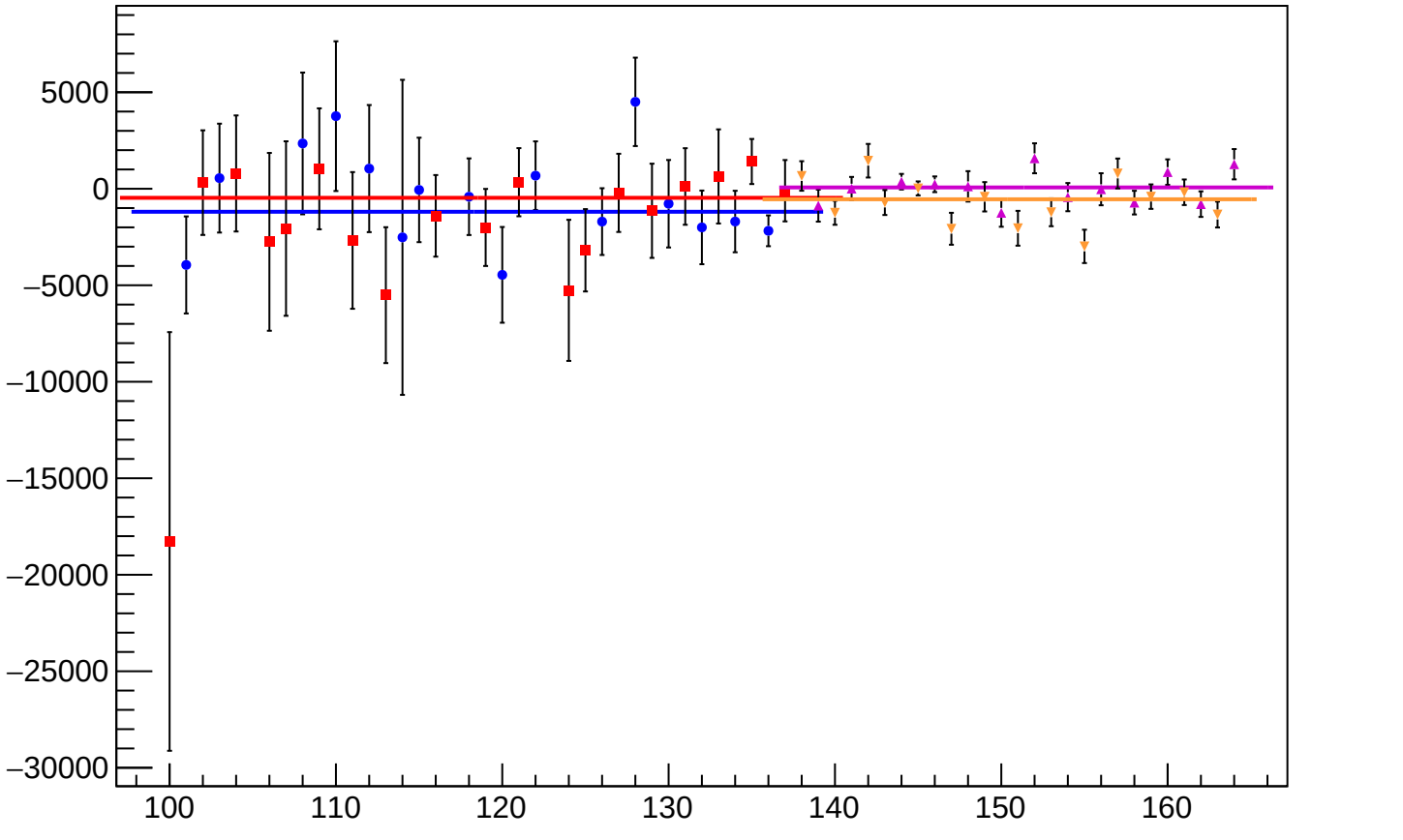
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

+ sign 95.011+/-0.016 χ^2/NDF: 2248831.7/29

All: 95.086+/-0.012 χ^2/NDF: 4971401.0/61

- 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: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

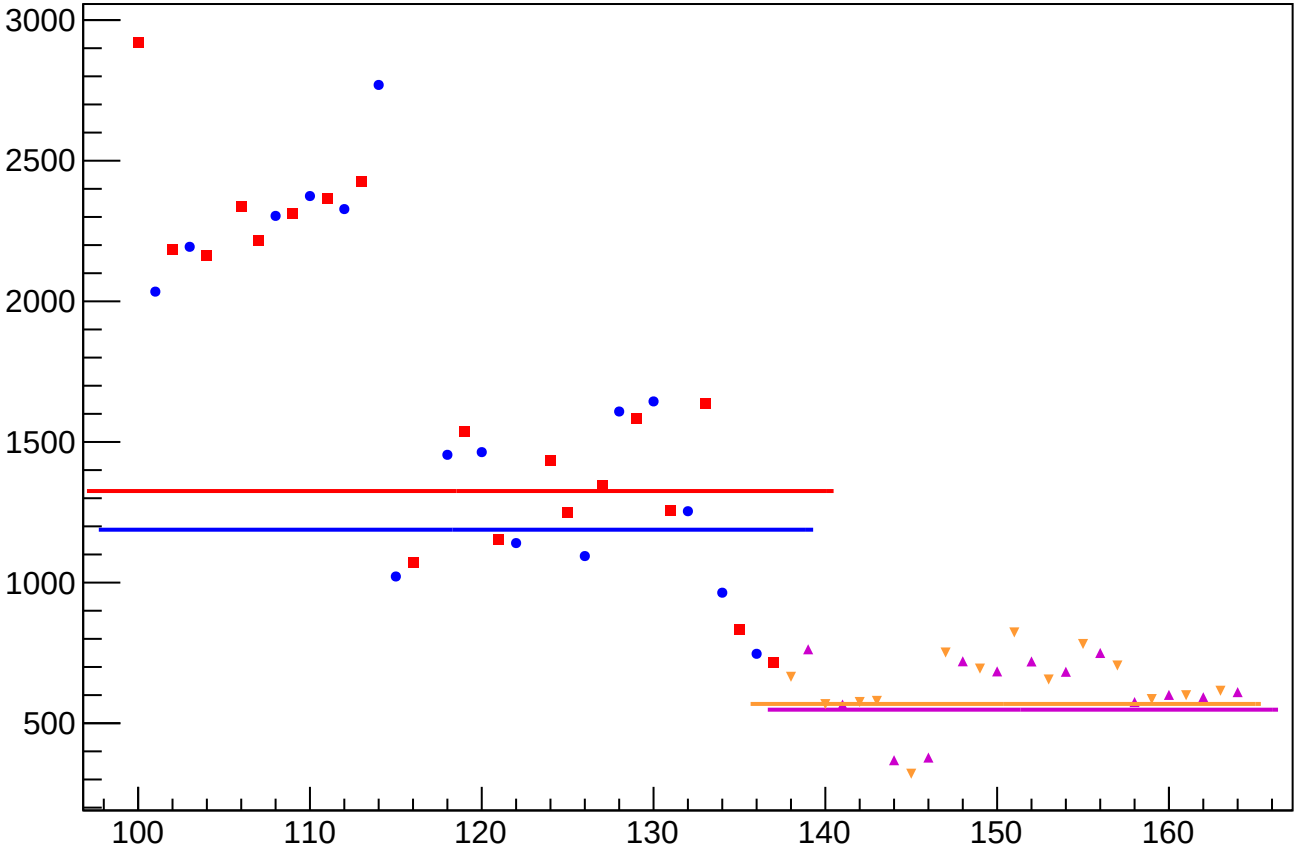
Left In: 68.132+/-172.296 χ^2/NDF:16.7/12

+ sign -622.353+/-165.905 χ^2/NDF: 48.8/29

All: -299.091+/-116.496 χ^2/NDF: 87.4/61

- 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: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

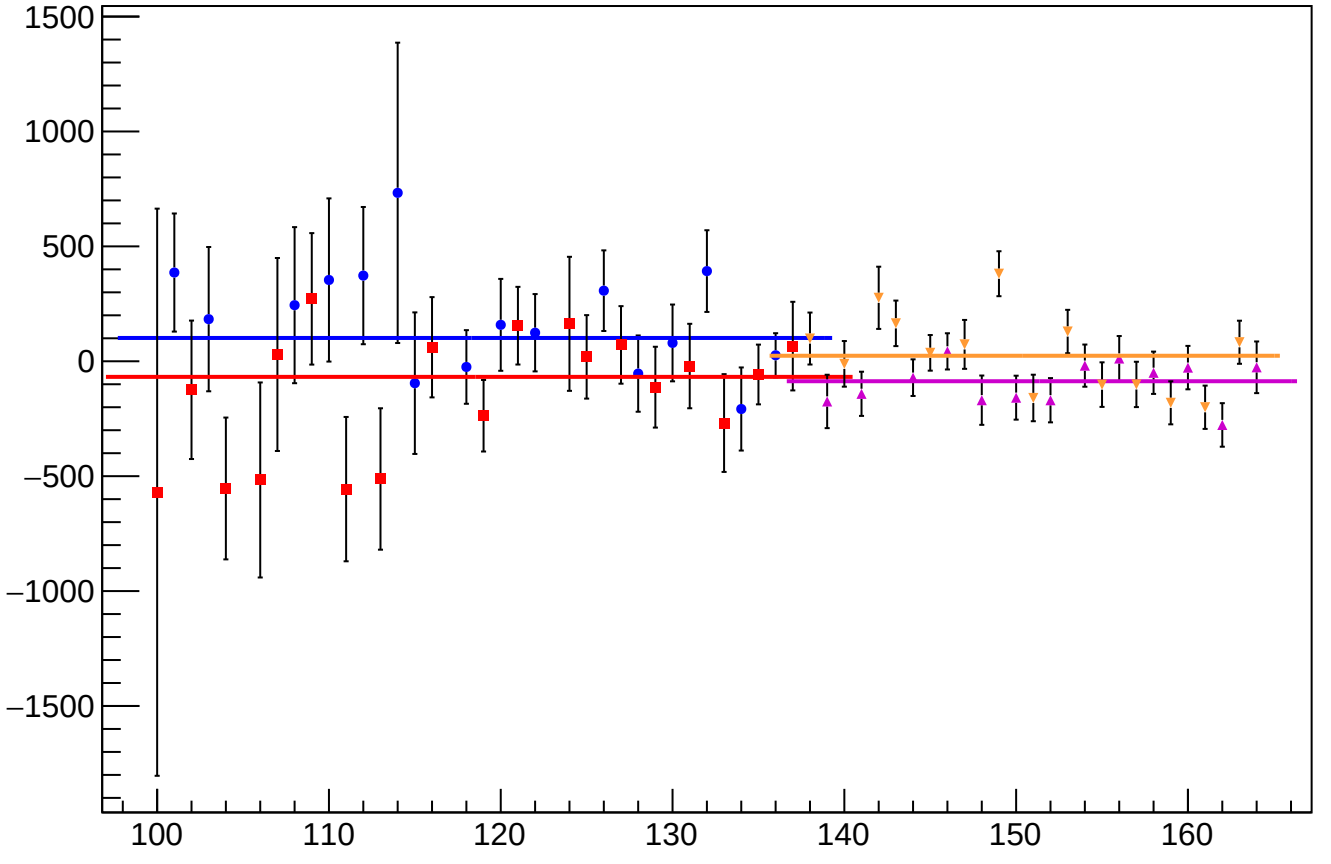
Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

+ sign 642.956+/-0.117 χ^2/NDF: 6500024.5/29

All: 633.598+/-0.082 χ^2/NDF: 13798662.1/61

- 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: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

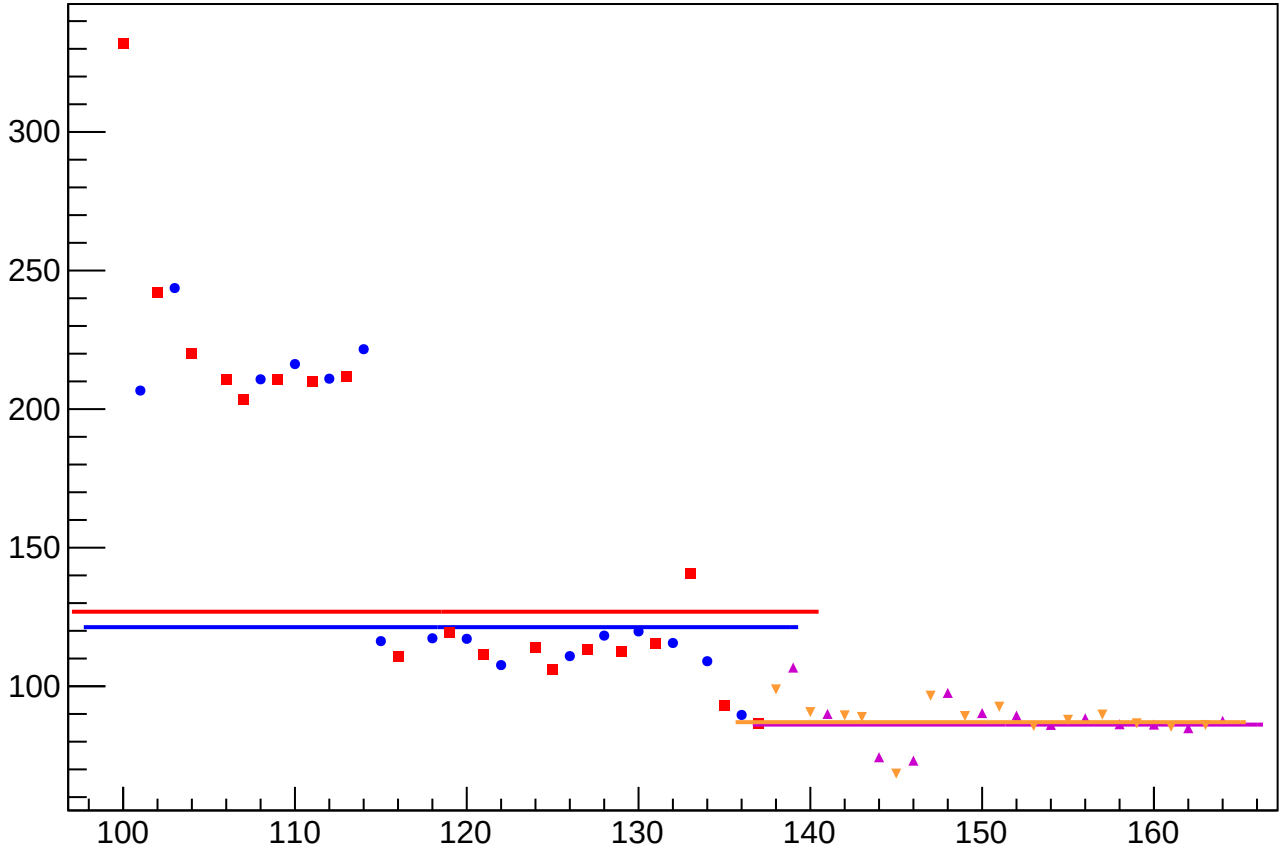
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 42.022+/-22.968 χ^2/NDF: 53.7/29

All: -19.714+/-16.318 χ^2/NDF: 96.4/61

- 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: 87.039+/-0.019 χ^2/NDF:166800.5/13

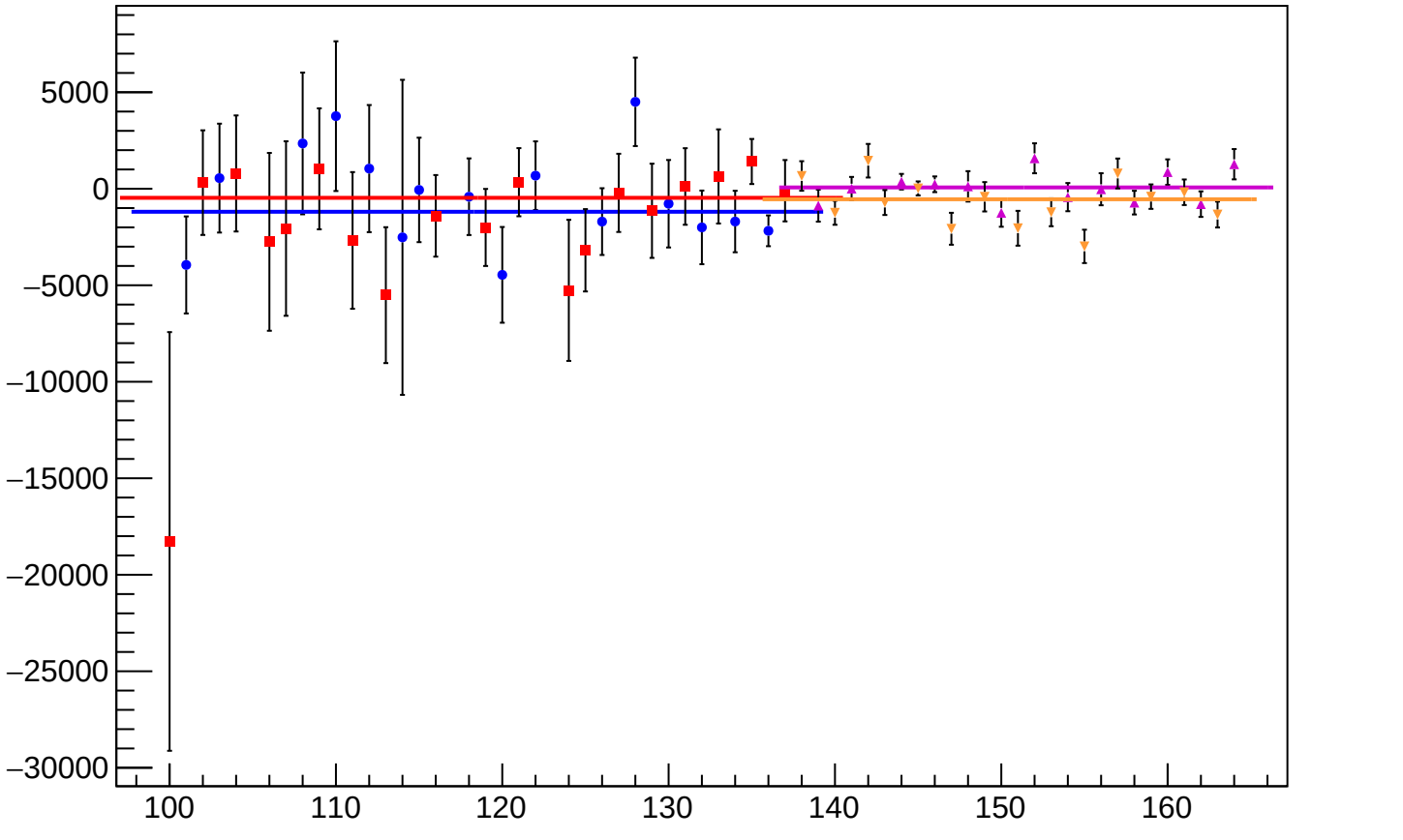
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

+ sign 95.011+/-0.016 χ^2/NDF: 2248831.7/29

All: 95.086+/-0.012 χ^2/NDF: 4971401.0/61

- 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: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

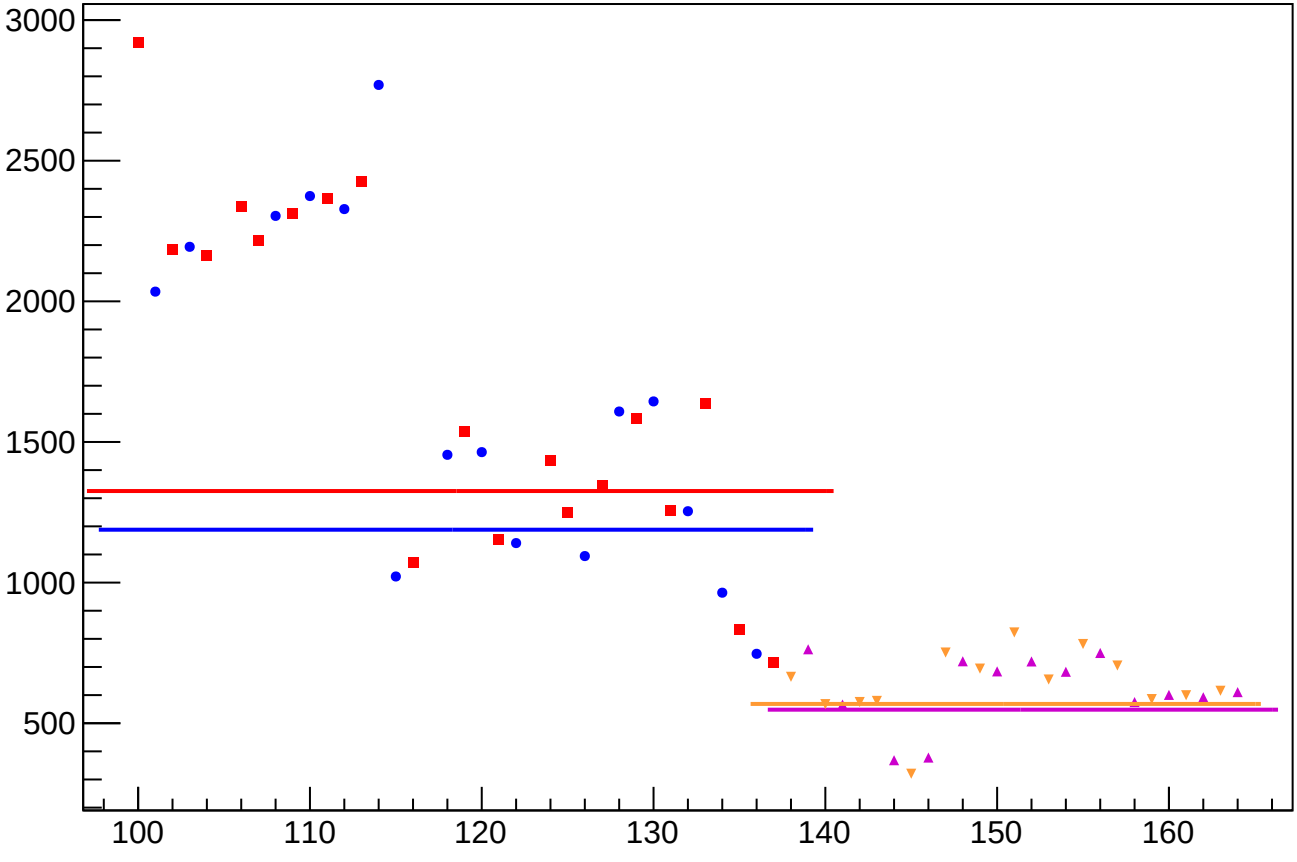
Left In: 68.132+/-172.296 χ^2/NDF:16.7/12

+ sign -622.353+/-165.905 χ^2/NDF: 48.8/29

All: -299.091+/-116.496 χ^2/NDF: 87.4/61

- 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: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

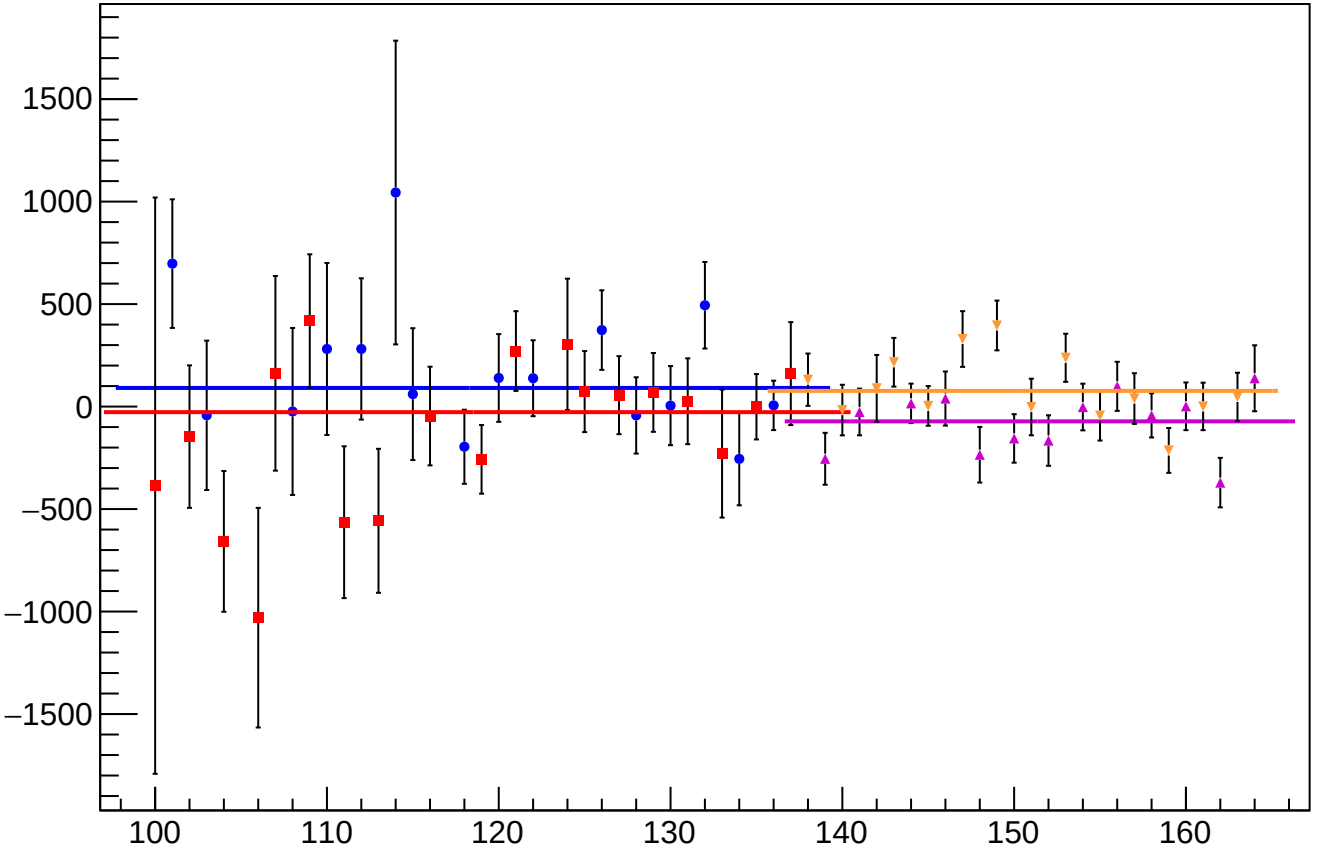
Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

+ sign 642.956+/-0.117 χ^2/NDF: 6500024.5/29

All: 633.598+/-0.082 χ^2/NDF: 13798662.1/61

- 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: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

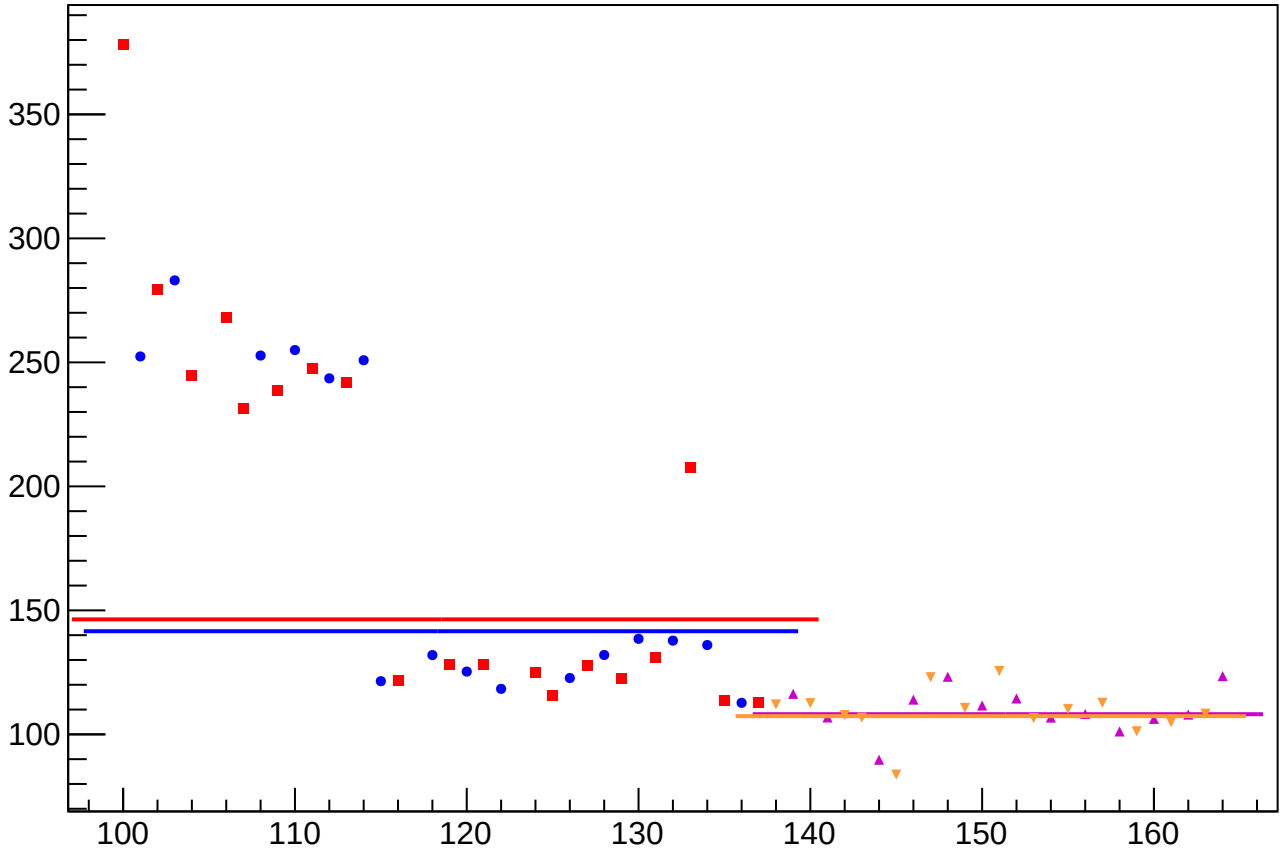
Left In: -72.196+/-33.135 χ^2/NDF:17.0/12

+ sign 80.205+/-27.996 χ^2/NDF: 42.1/29

All: 11.312+/-20.023 χ^2/NDF: 92.5/61

- 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: 107.346+/-0.023 χ^2/NDF:200045.1/13

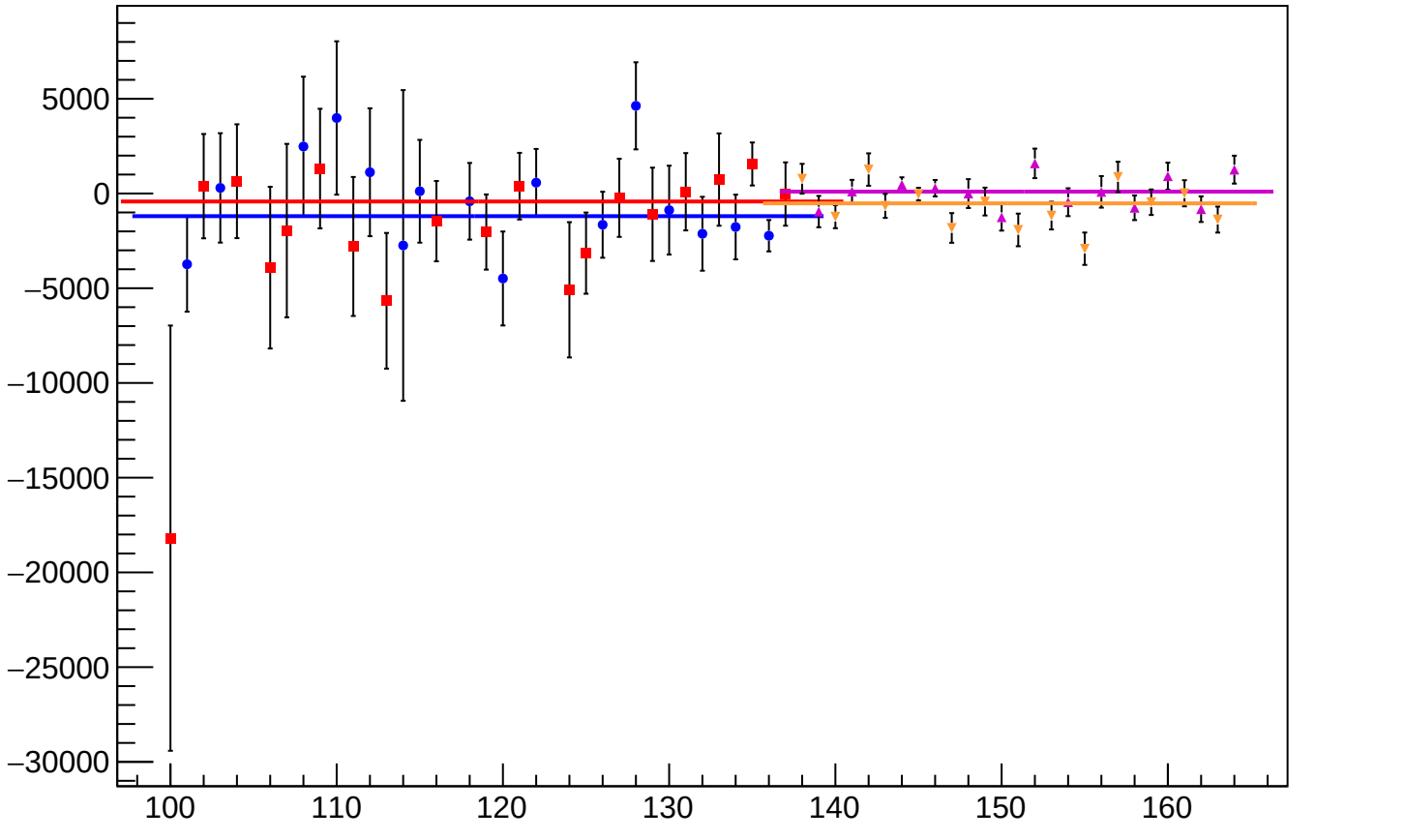
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.132+/-0.023 χ^2/NDF:144658.2/12

+ sign 116.038+/-0.020 χ^2/NDF: 2029092.1/29

All: 116.892+/-0.014 χ^2/NDF: 4363609.7/61

- 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: -520.581+/-173.582 χ^2/NDF:29.9/13

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

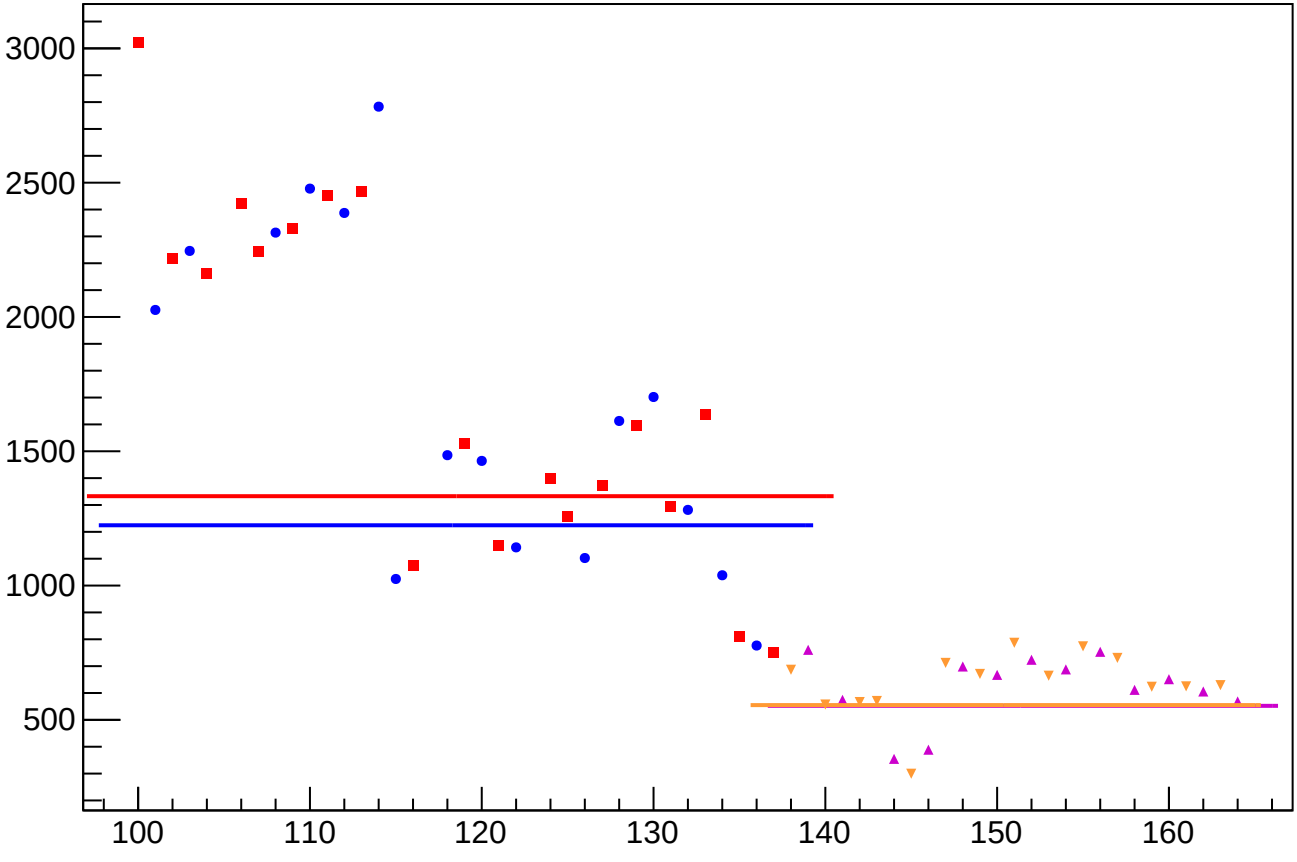
Left In: 99.650+/-174.204 χ^2/NDF:18.0/12

+ sign -595.587+/-163.670 χ^2/NDF: 47.5/29

All: -277.142+/-116.305 χ^2/NDF: 88.3/61

- 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: 554.929+/-0.123 χ^2/NDF:1840215.0/13

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

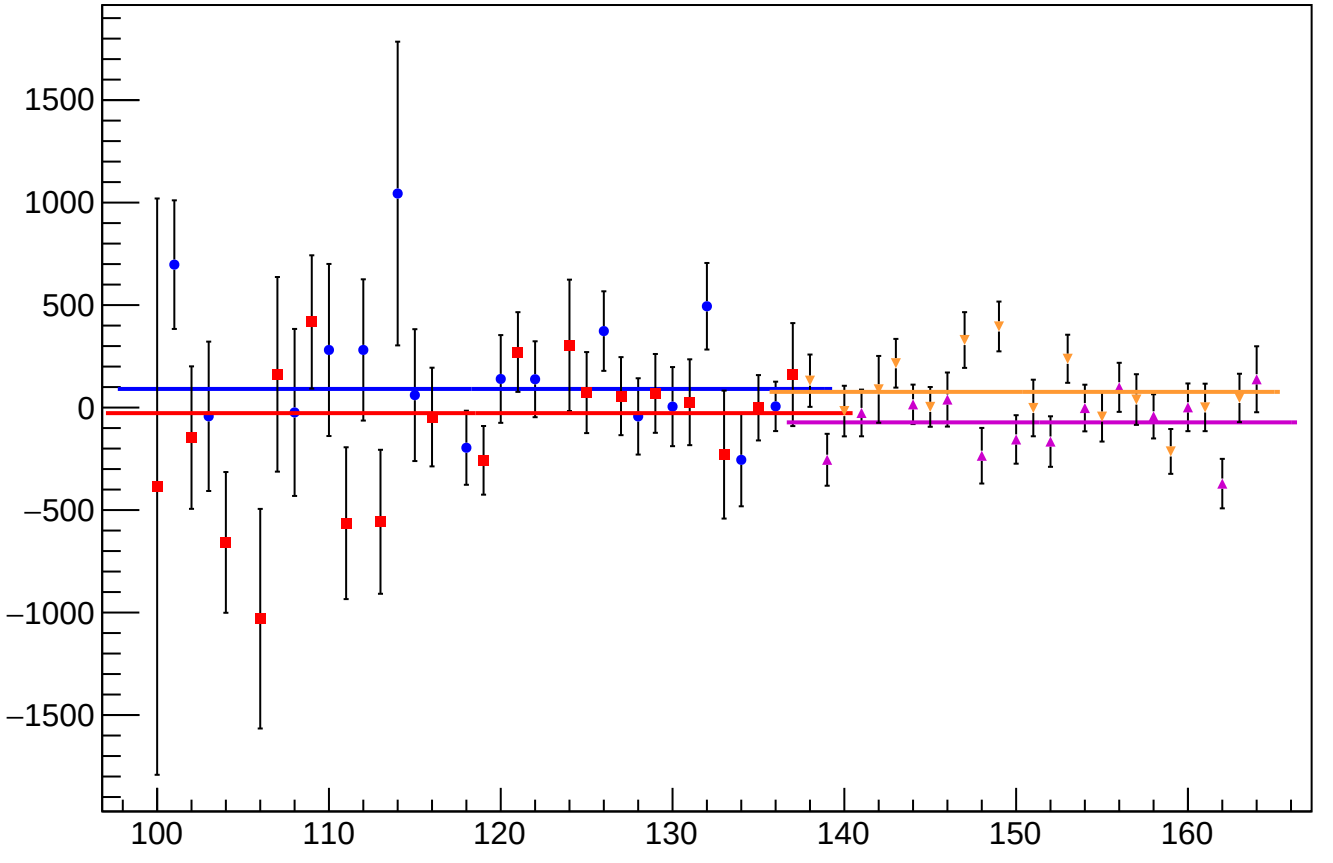
Left In: 552.218+/-0.123 χ^2/NDF:1398621.7/12

+ sign 629.209+/-0.116 χ^2/NDF: 7100781.2/29

All: 629.575+/-0.082 χ^2/NDF: 14492832.6/61

- 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: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

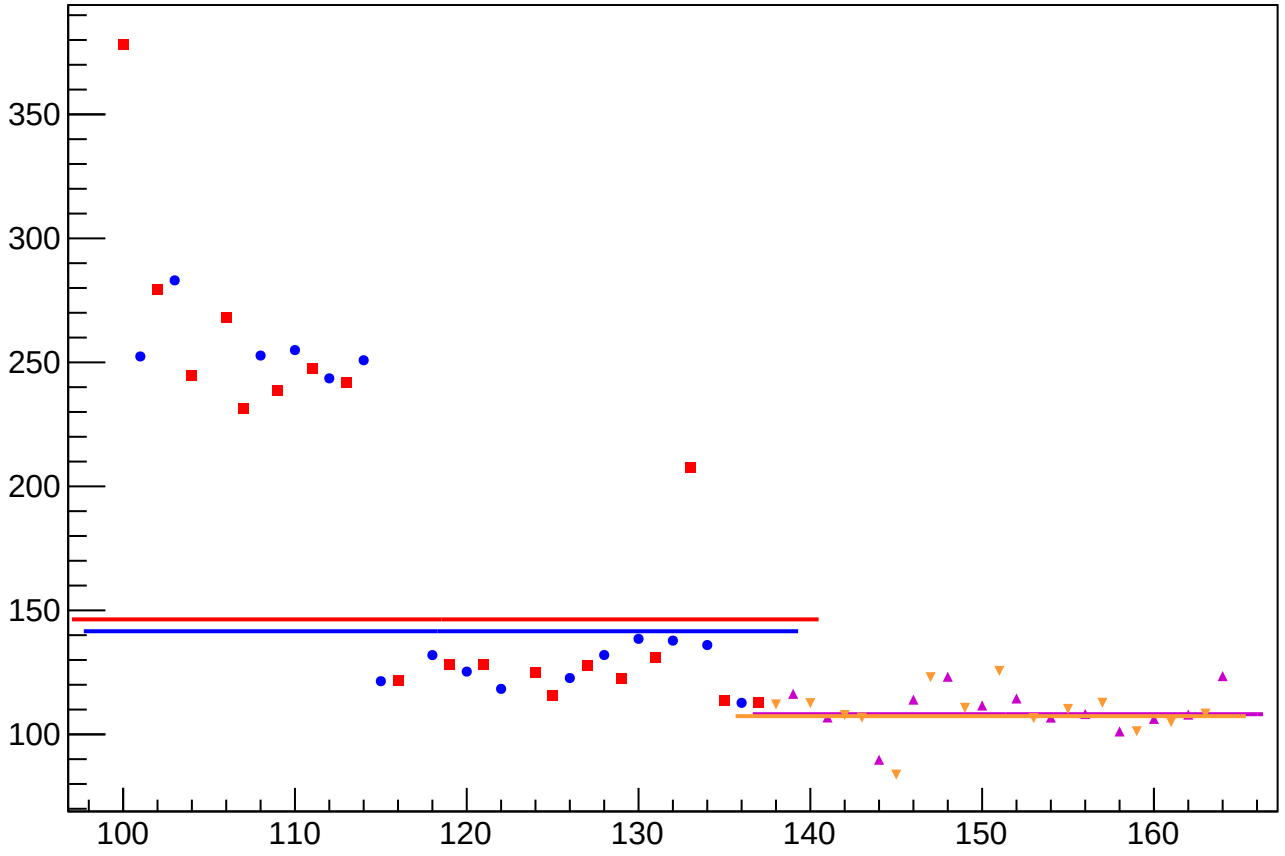
Left In: -72.193+/-33.135 χ^2/NDF:17.0/12

+ sign 80.206+/-27.996 χ^2/NDF: 42.1/29

All: 11.314+/-20.023 χ^2/NDF: 92.5/61

- 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: 107.346+/-0.023 χ^2/NDF:200038.0/13

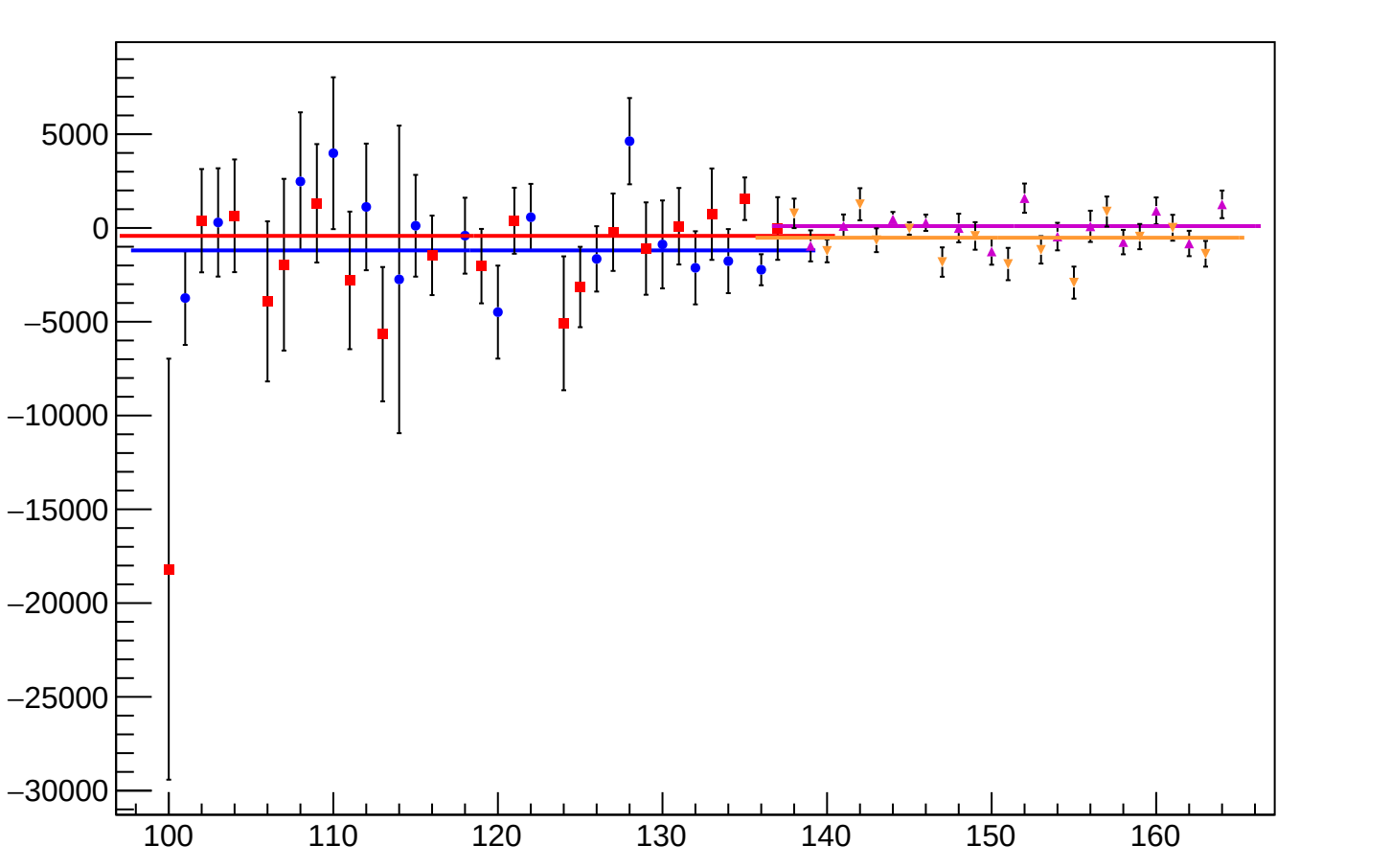
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.133+/-0.023 χ^2/NDF:144657.5/12

+ sign 116.038+/-0.020 χ^2/NDF: 2029037.7/29

All: 116.892+/-0.014 χ^2/NDF: 4363517.4/61

- 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: -520.578+/-173.582 χ^2/NDF:29.9/13

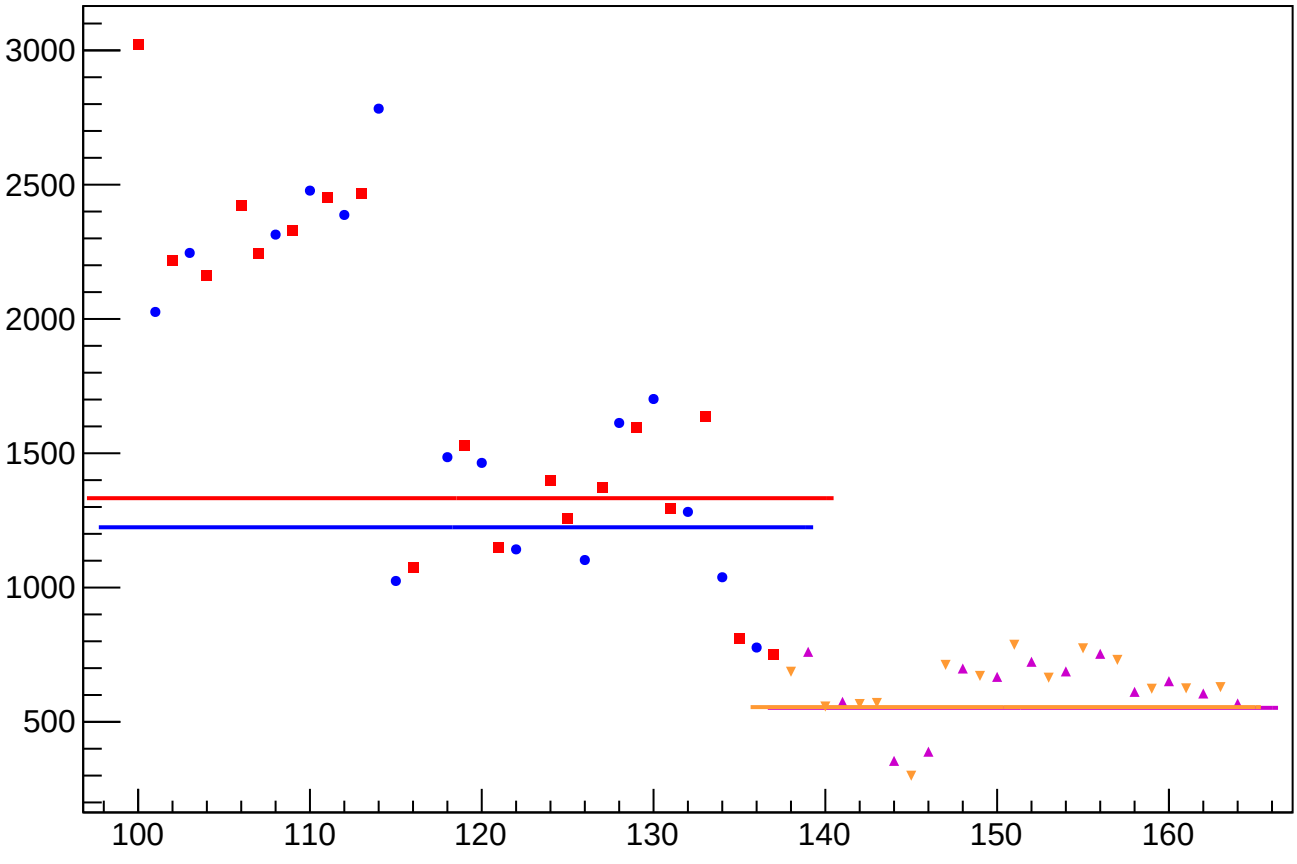
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 99.650+/-174.204 χ^2/NDF:18.0/12

+ sign -595.584+/-163.670 χ^2/NDF: 47.5/29

All: -277.141+/-116.305 χ^2/NDF: 88.3/61

- sign 47.688+/-165.303 χ^2/NDF: 33.1/31



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 554.927+/-0.123 χ^2/NDF:1840264.4/13

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

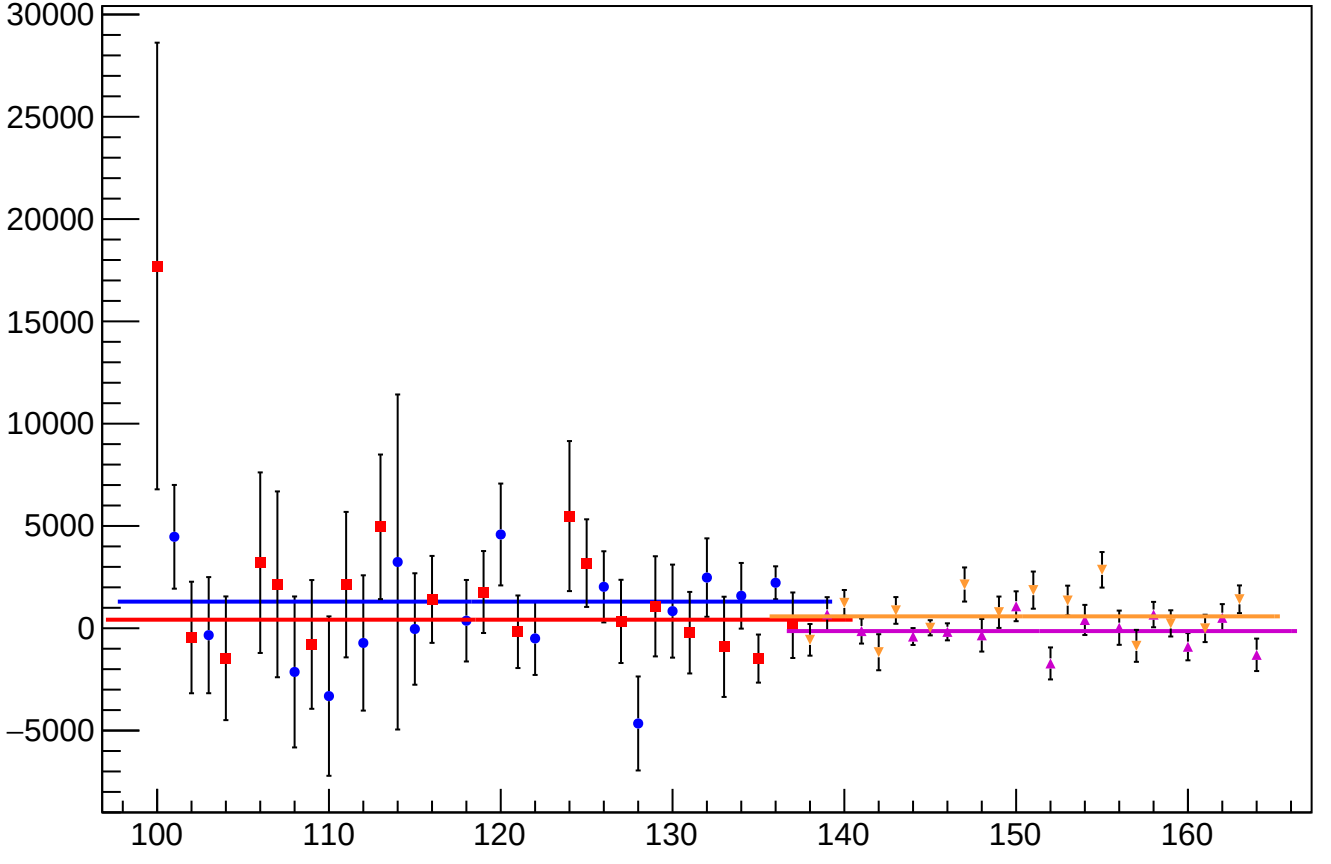
Left In: 552.217+/-0.123 χ^2/NDF:1398639.9/12

+ sign 629.208+/-0.116 χ^2/NDF: 7100831.3/29

All: 629.573+/-0.082 χ^2/NDF: 14492895.5/61

- 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: 581.191+/-179.216 χ^2/NDF:29.2/13

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

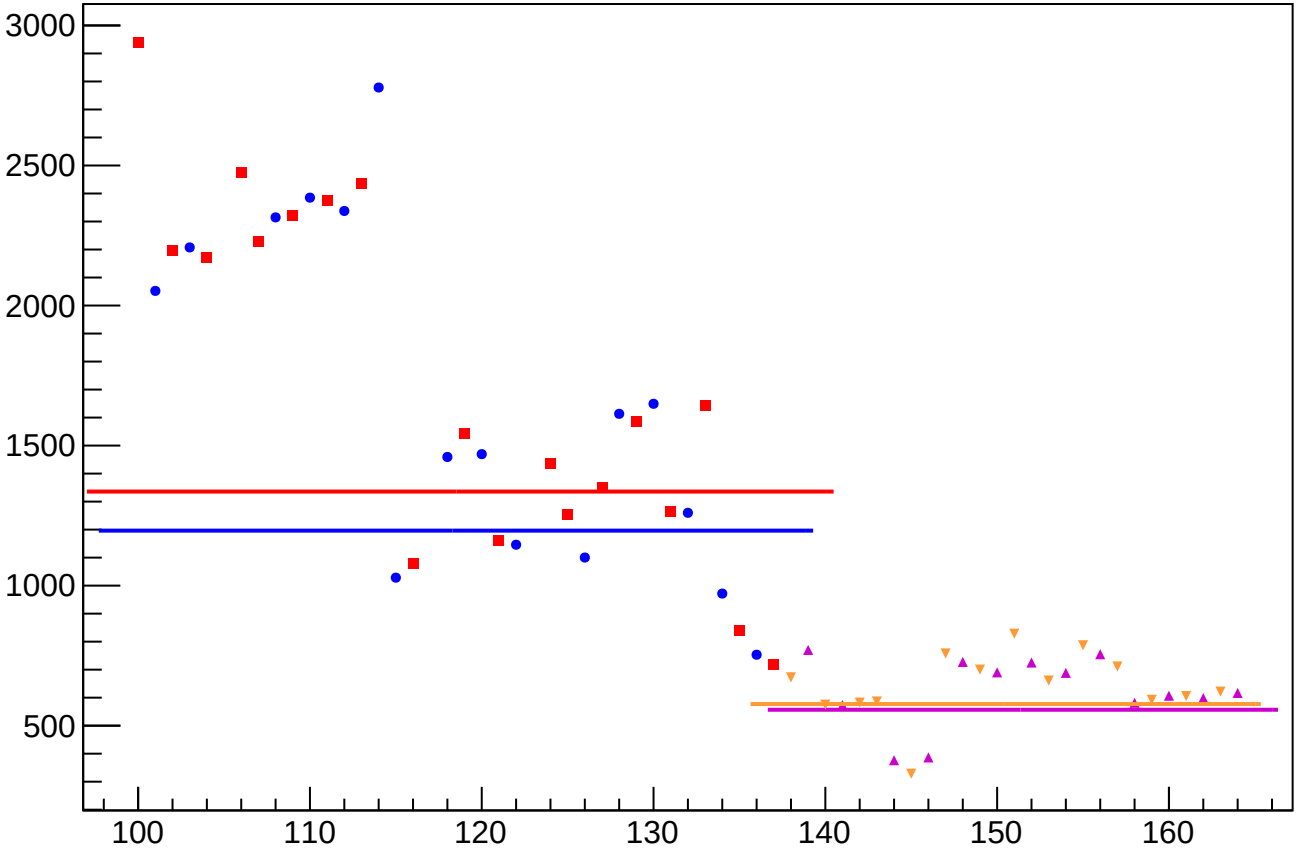
Left In: -138.474+/-174.729 χ^2/NDF:15.0/12

+ sign 668.705+/-167.978 χ^2/NDF: 47.7/29

All: 287.957+/-117.991 χ^2/NDF: 86.8/61

- 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: 577.181+/-0.127 χ^2/NDF:1443104.5/13

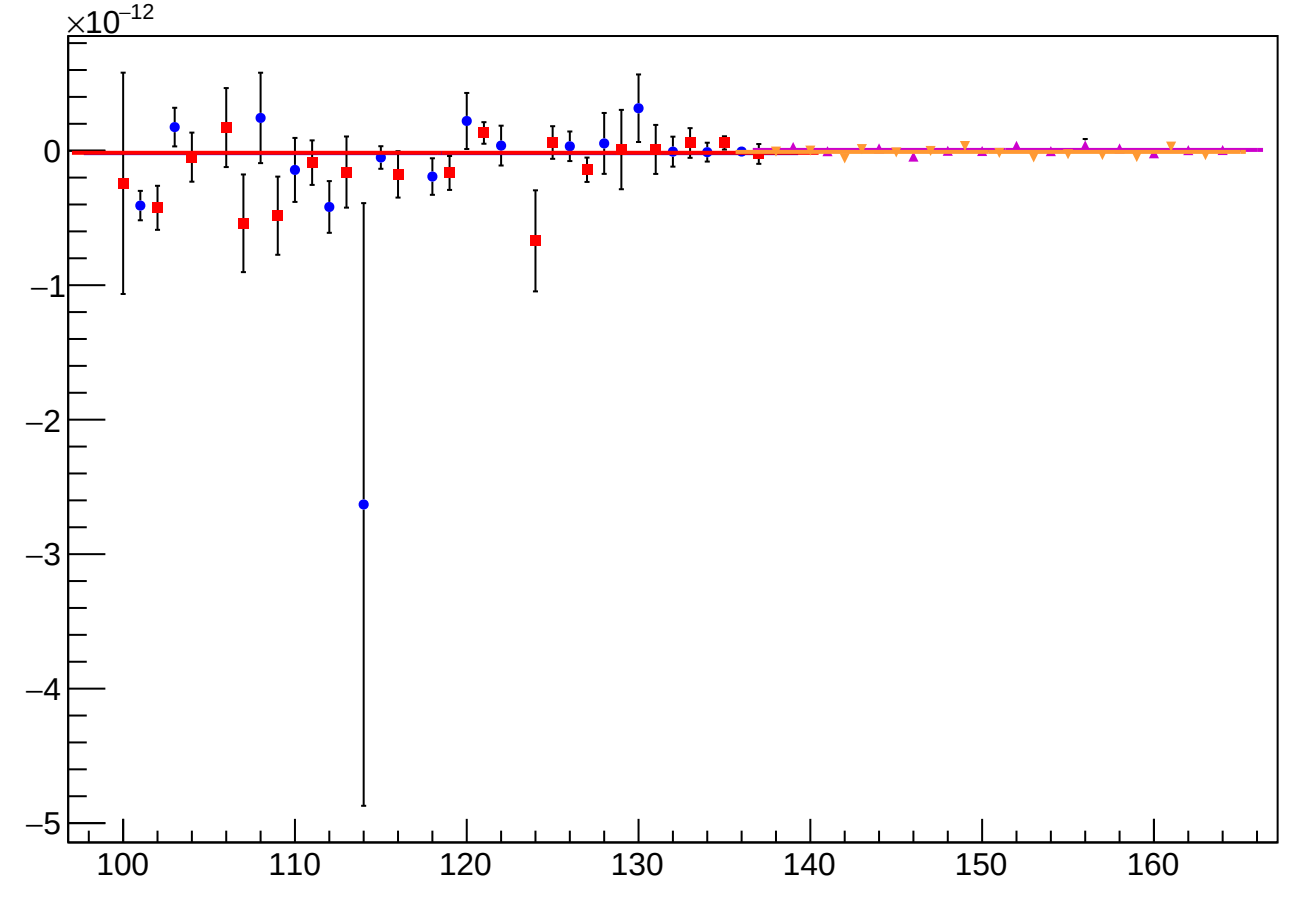
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 556.800+/-0.124 χ^2/NDF:1308536.6/12

+ sign 652.394+/-0.119 χ^2/NDF: 6374744.5/29

All: 643.386+/-0.083 χ^2/NDF: 13617068.8/61

- 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:14.4/13

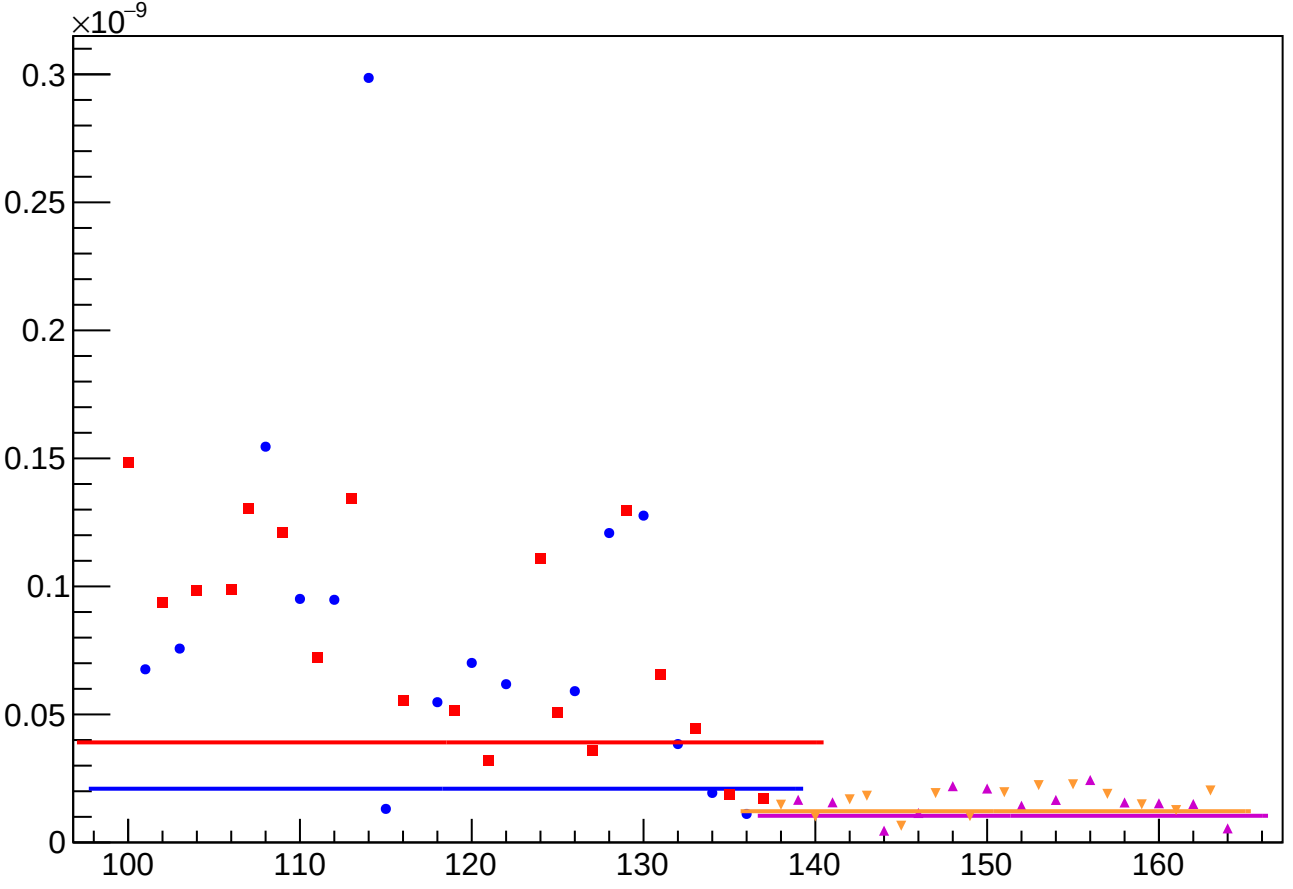
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/29

All: -0.000+/-0.000 χ^2/NDF: 83.3/61

- 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:1469639.9/13

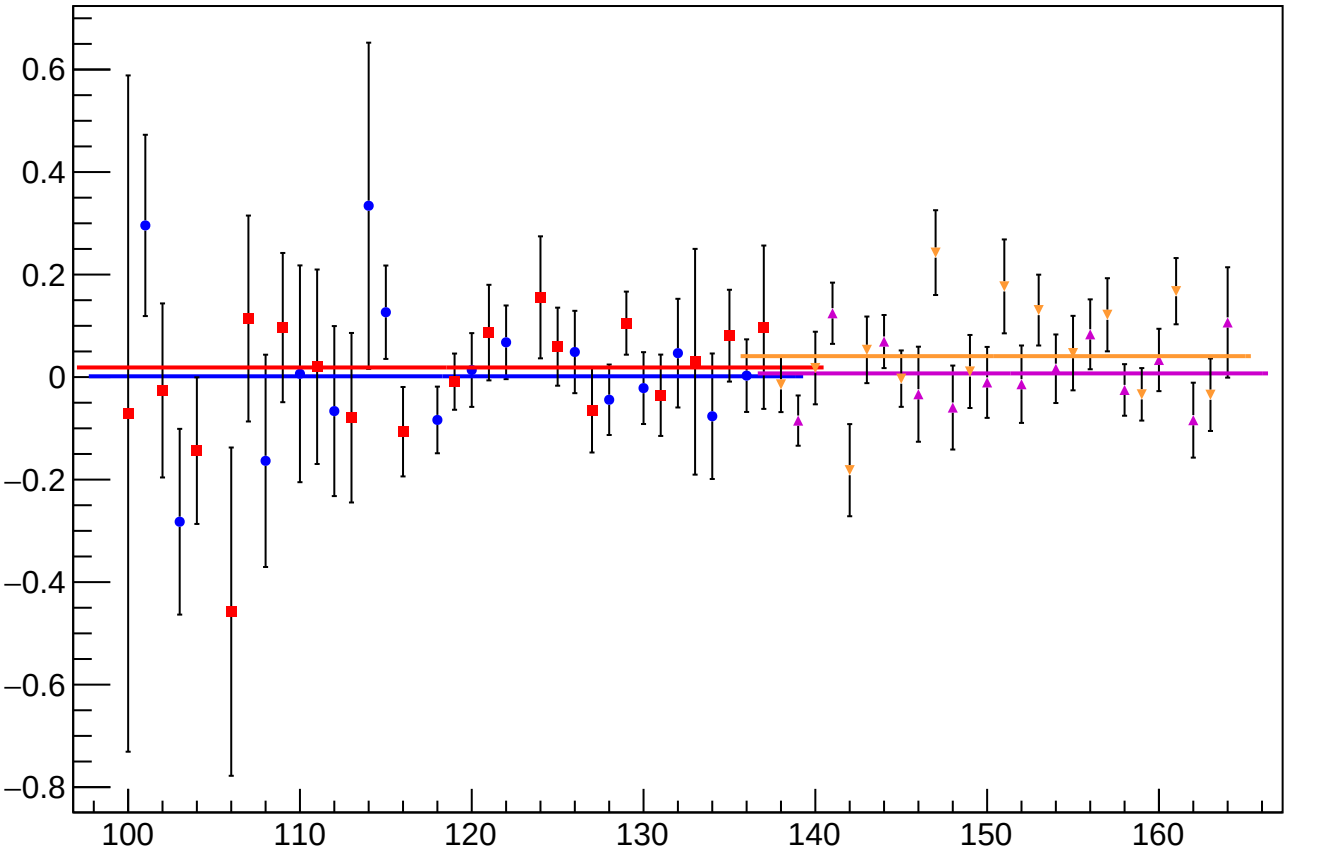
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2009824.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 5284641.5/29

All: 0.000+/-0.000 χ^2/NDF: 11499730.2/61

- sign 0.000+/-0.000 χ^2/NDF: 6149898.3/31



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

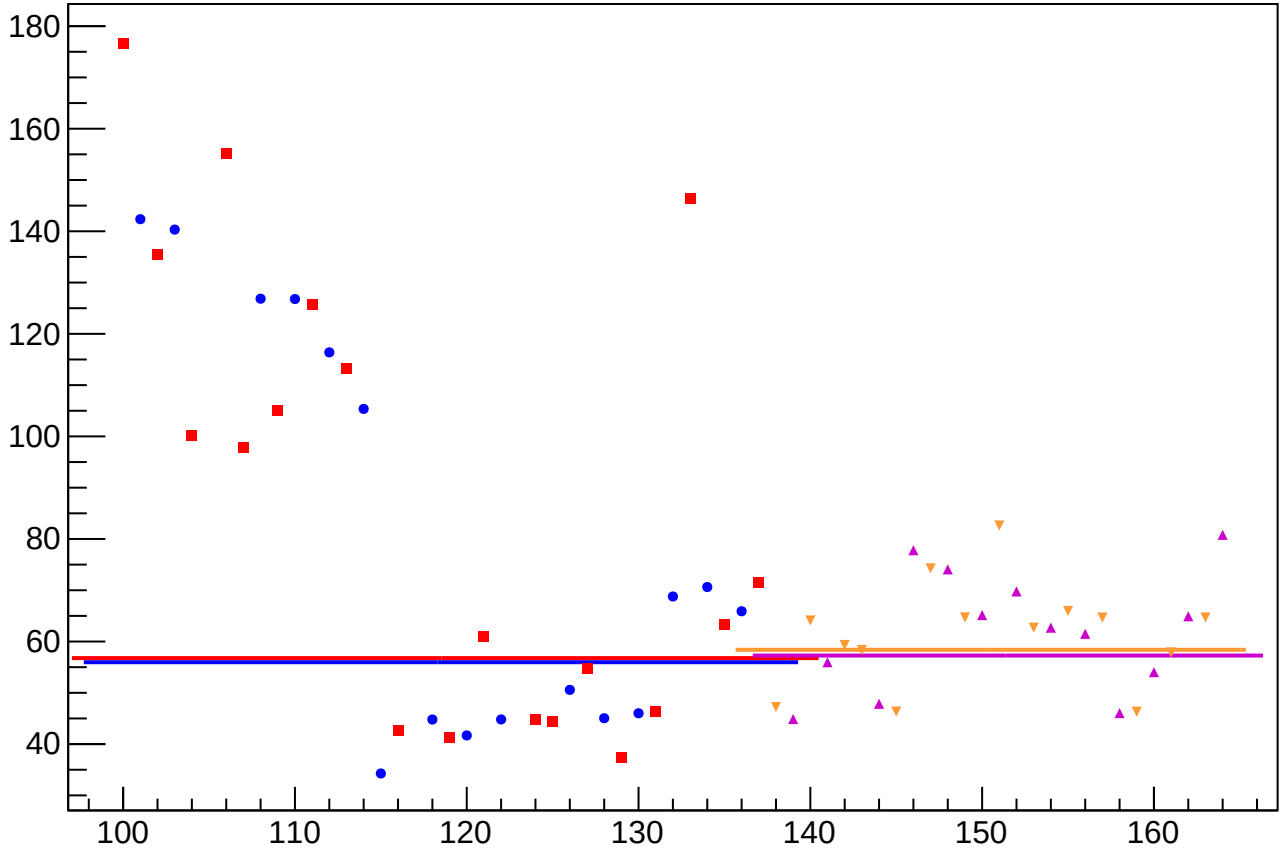
Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.019+/-0.010 χ^2/NDF: 69.1/61

- 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: 58.391+/-0.013 χ^2/NDF:595973.6/13

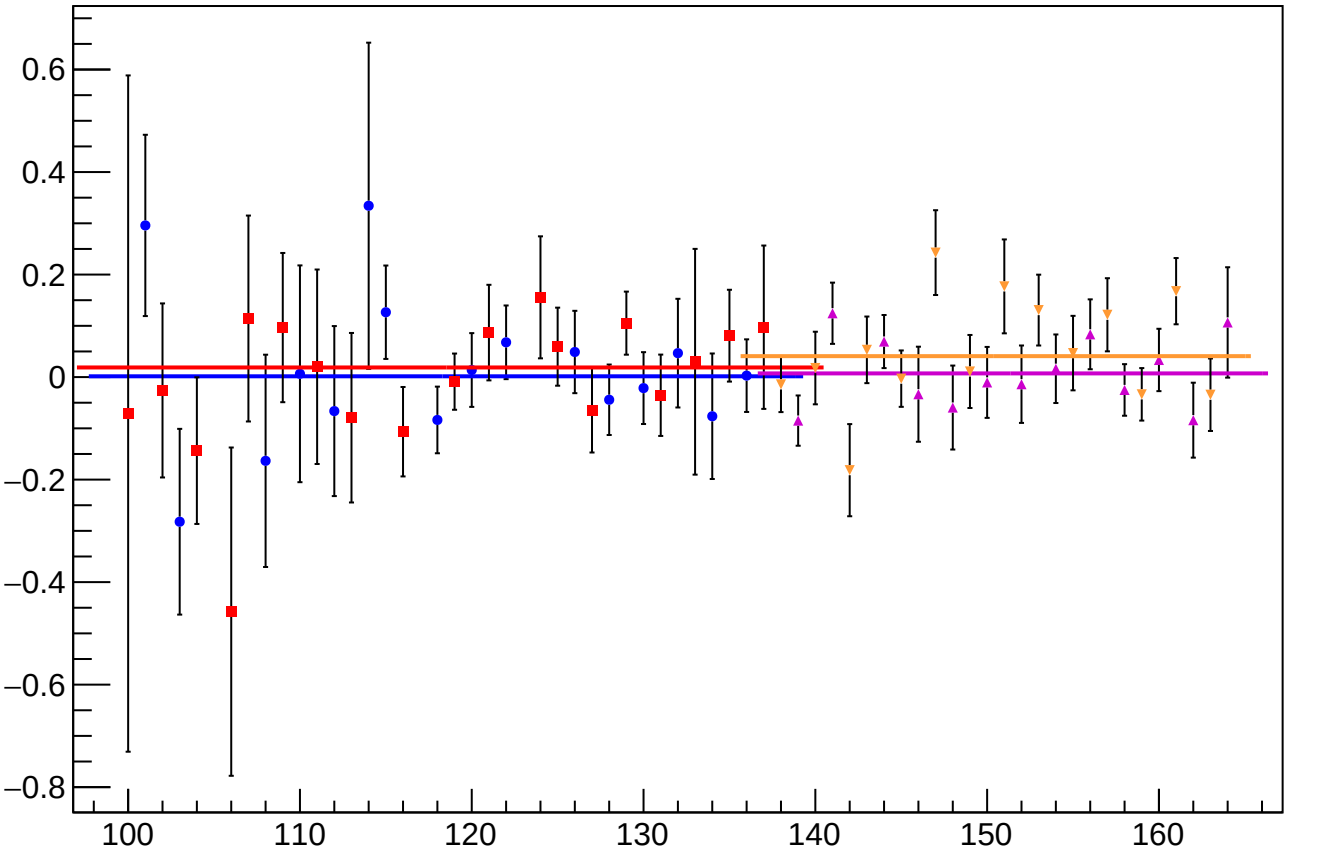
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

\+ sign 57.496+/-0.010 χ^2/NDF: 2789299.1/29

All: 57.291+/-0.007 χ^2/NDF: 6045080.3/61

\- 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: 0.041+/-0.018 χ^2/NDF:26.4/13

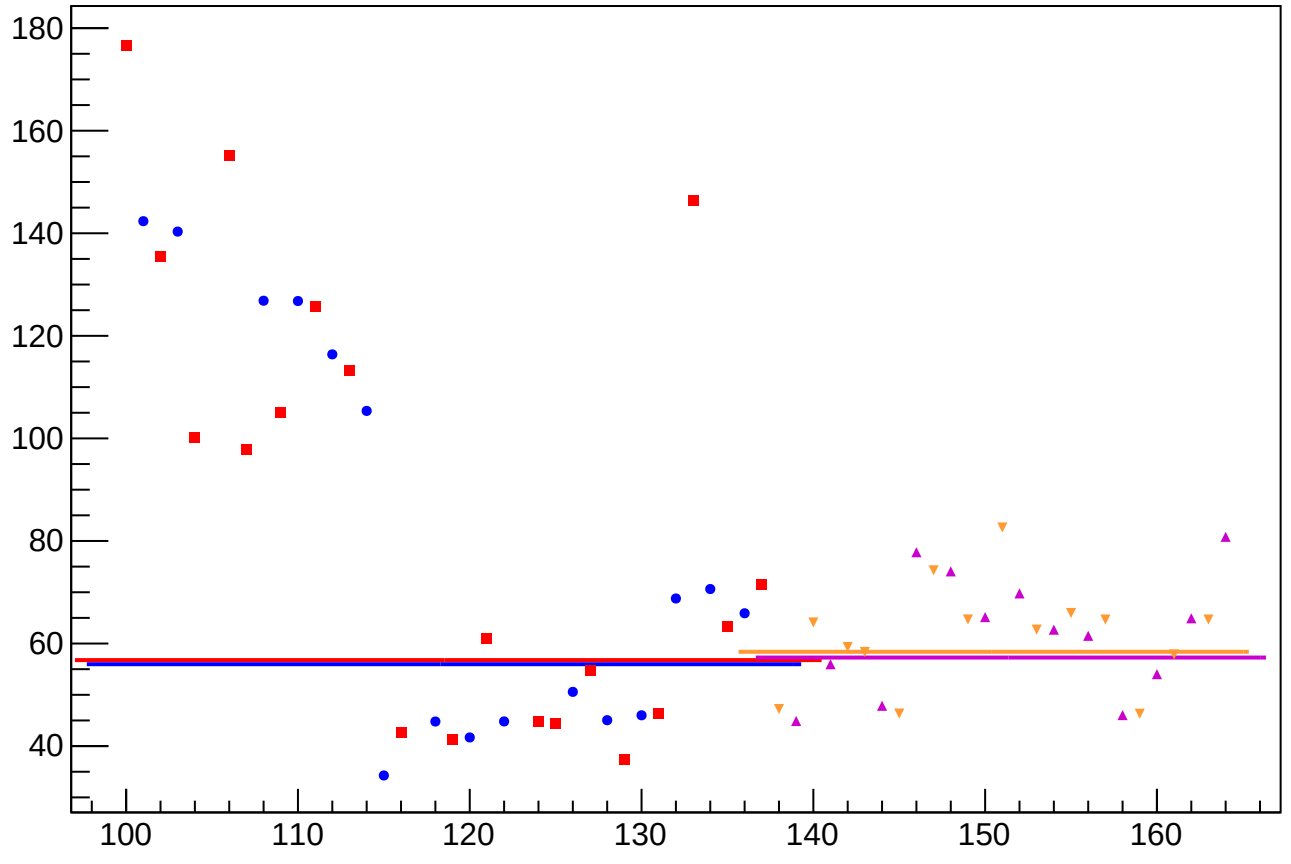
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.019+/-0.010 χ^2/NDF: 69.1/61

- 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: 58.391+/-0.013 χ^2/NDF:595973.6/13

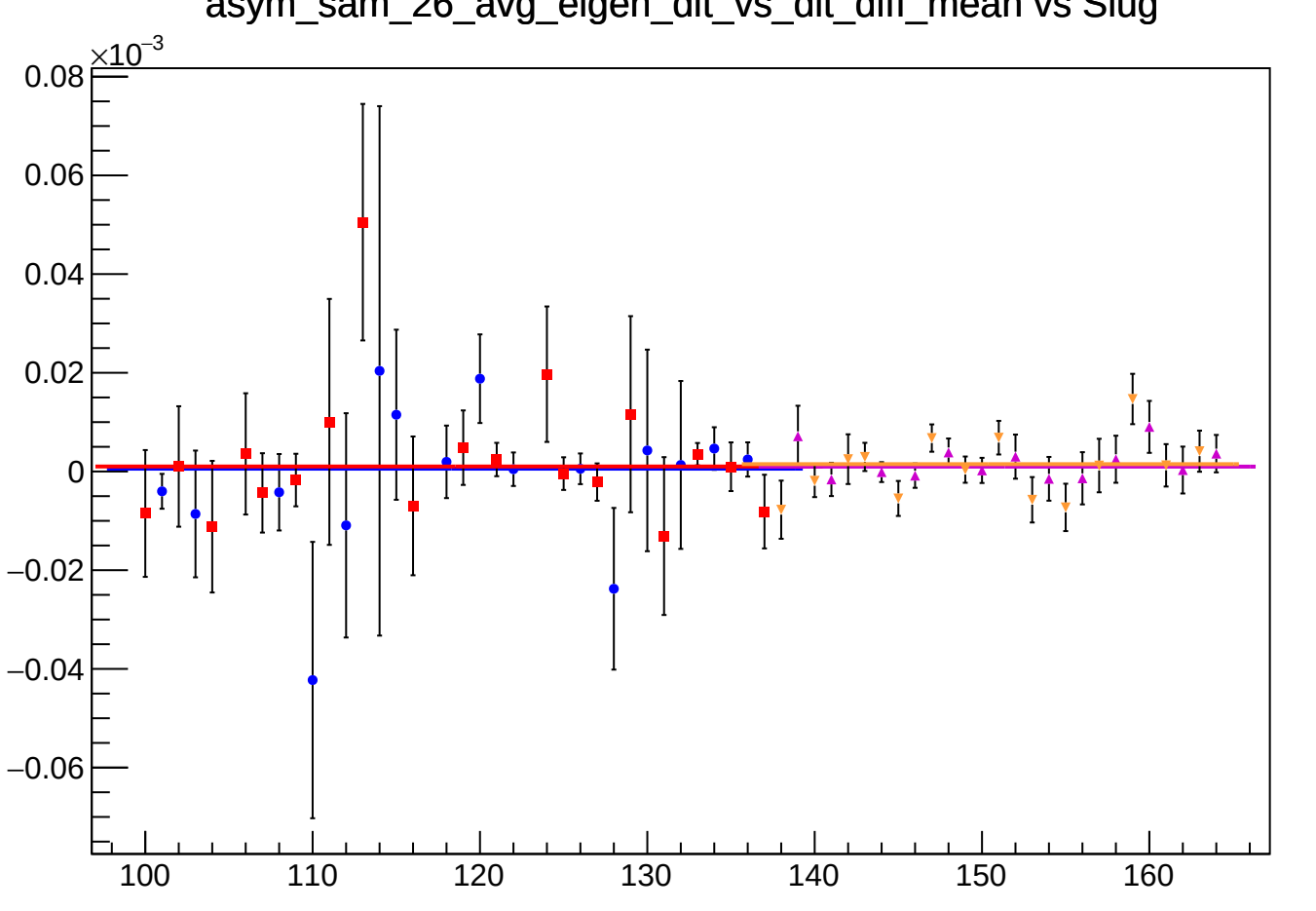
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

\+ sign 57.496+/-0.010 χ^2/NDF: 2789299.1/29

All: 57.291+/-0.007 χ^2/NDF: 6045080.3/61

\- sign 57.084+/-0.010 χ^2/NDF: 3254947.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/13

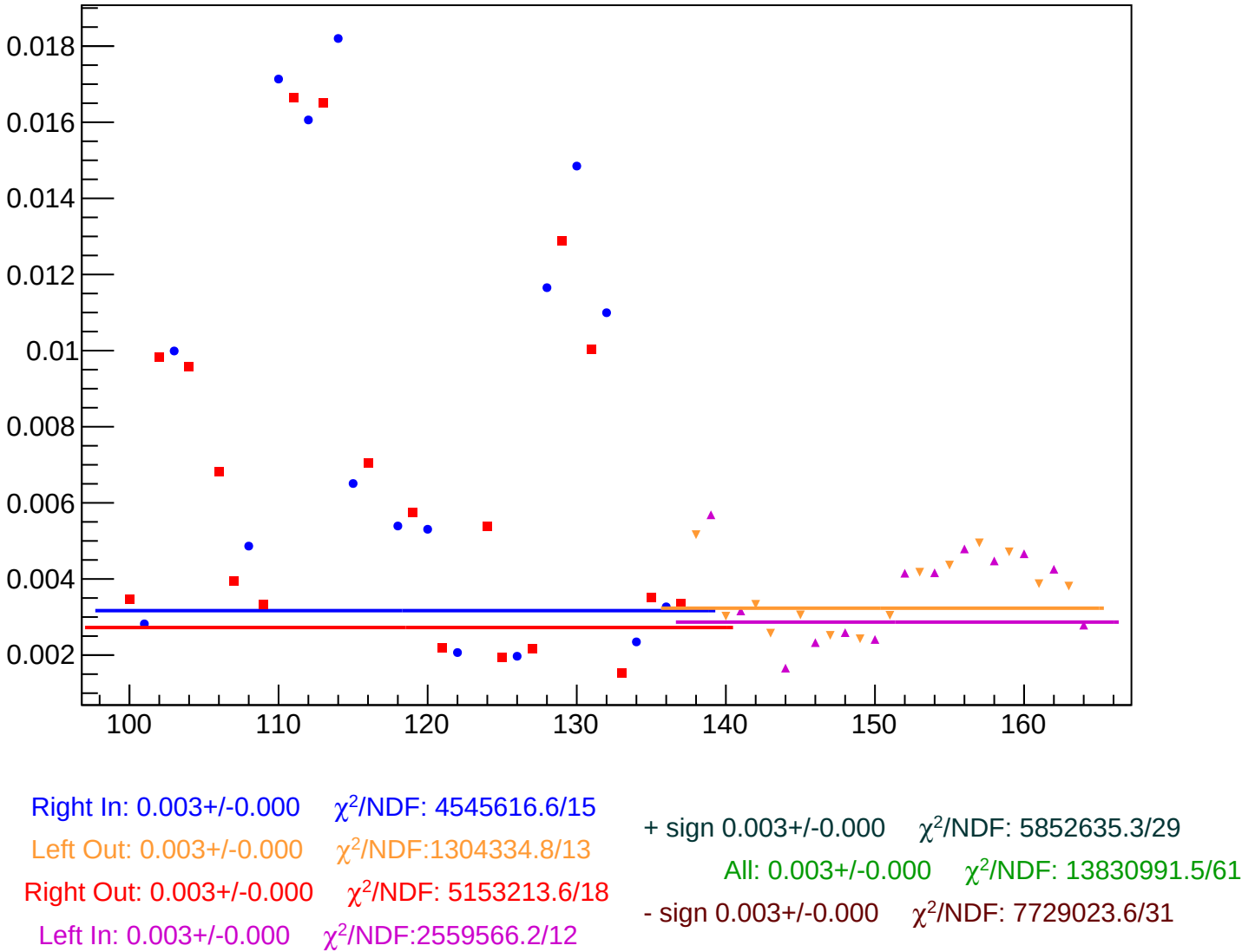
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

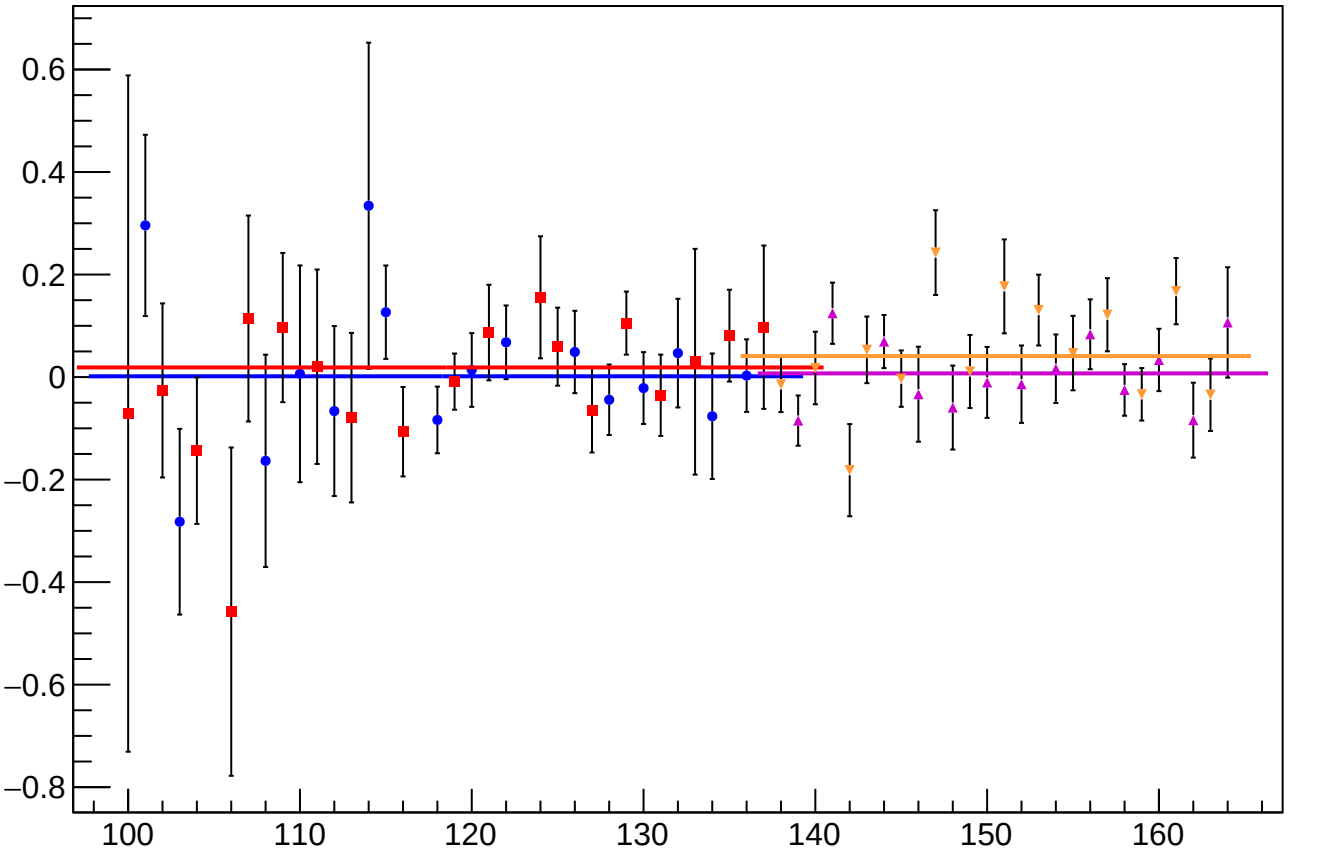
Left In: 0.000+/-0.000 χ^2/NDF:7.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/29

All: 0.000+/-0.000 χ^2/NDF: 61.4/61

- 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:1304334.8/13
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: 5852635.3/29
All: 0.003+/-0.000 χ²/NDF: 13830991.5/61
- sign 0.003+/-0.000 χ²/NDF: 7729023.6/31



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

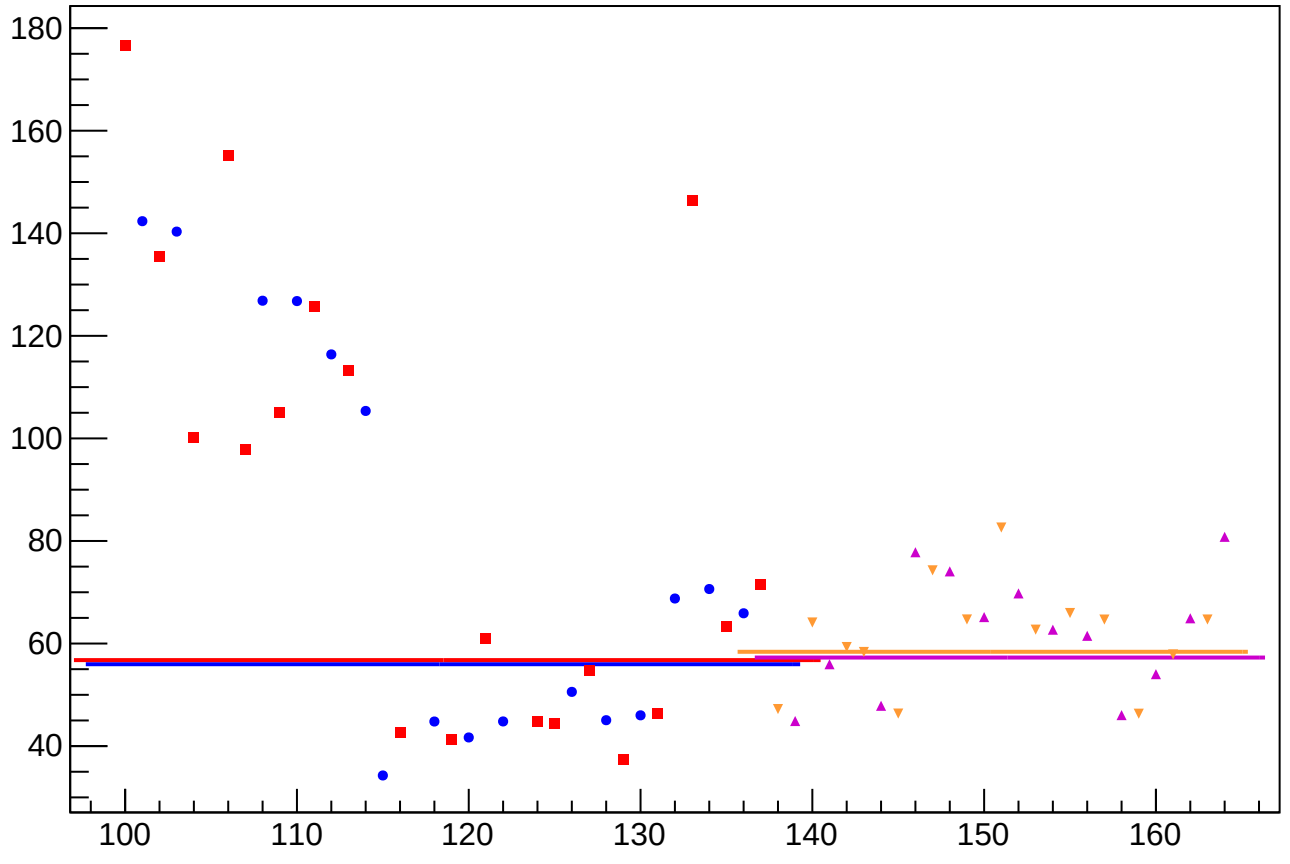
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.019+/-0.010 χ^2/NDF: 69.1/61

- 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: 58.391+/-0.013 χ^2/NDF:595969.6/13

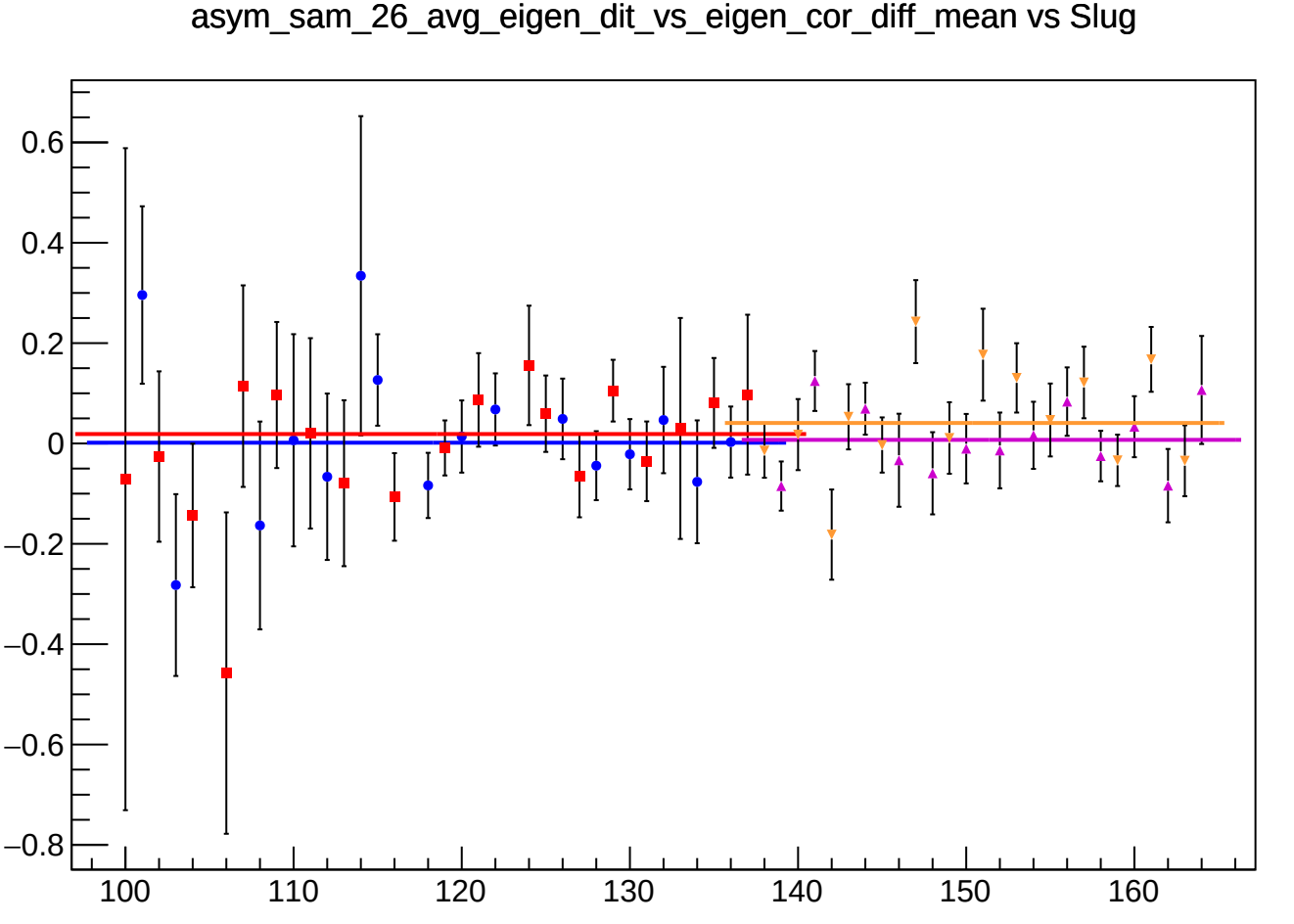
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

+ sign 57.496+/-0.010 χ^2/NDF: 2789232.6/29

All: 57.291+/-0.007 χ^2/NDF: 6044963.8/61

- sign 57.084+/-0.010 χ^2/NDF: 3254897.6/31



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

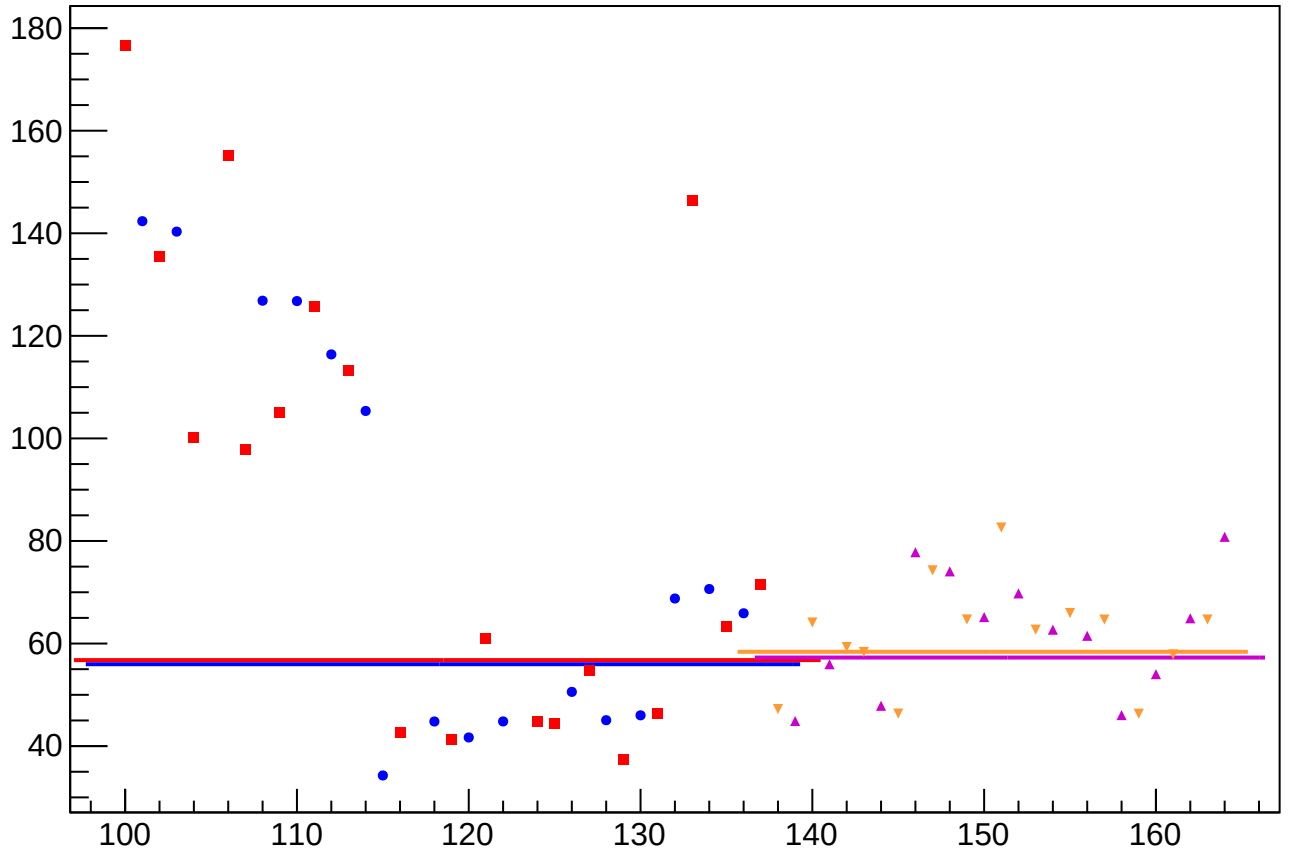
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.019+/-0.010 χ^2/NDF: 69.1/61

- 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: 58.391+/-0.013 χ^2/NDF:595969.6/13

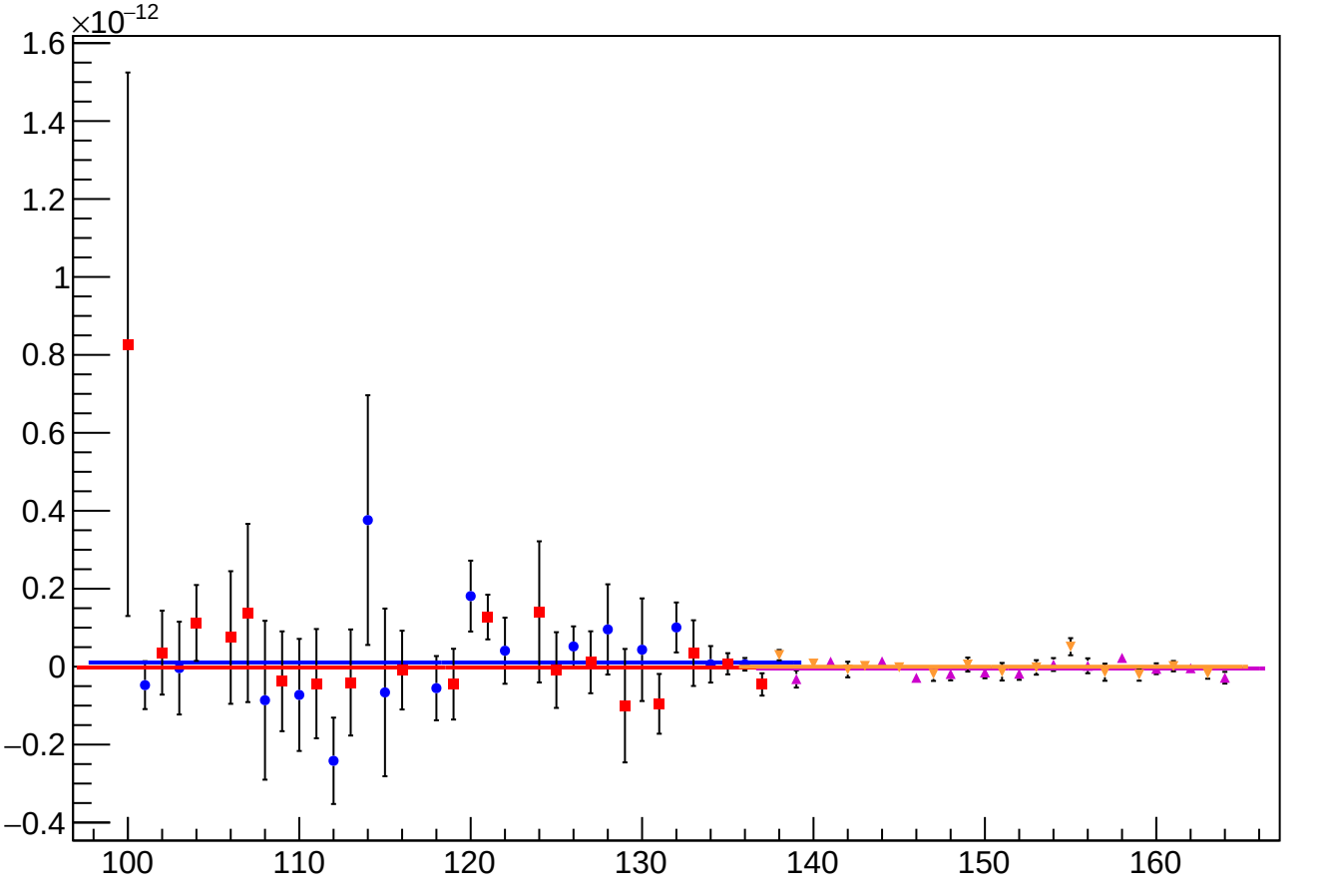
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

+ sign 57.496+/-0.010 χ^2/NDF: 2789232.6/29

All: 57.291+/-0.007 χ^2/NDF: 6044963.8/61

- 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:16.4/13

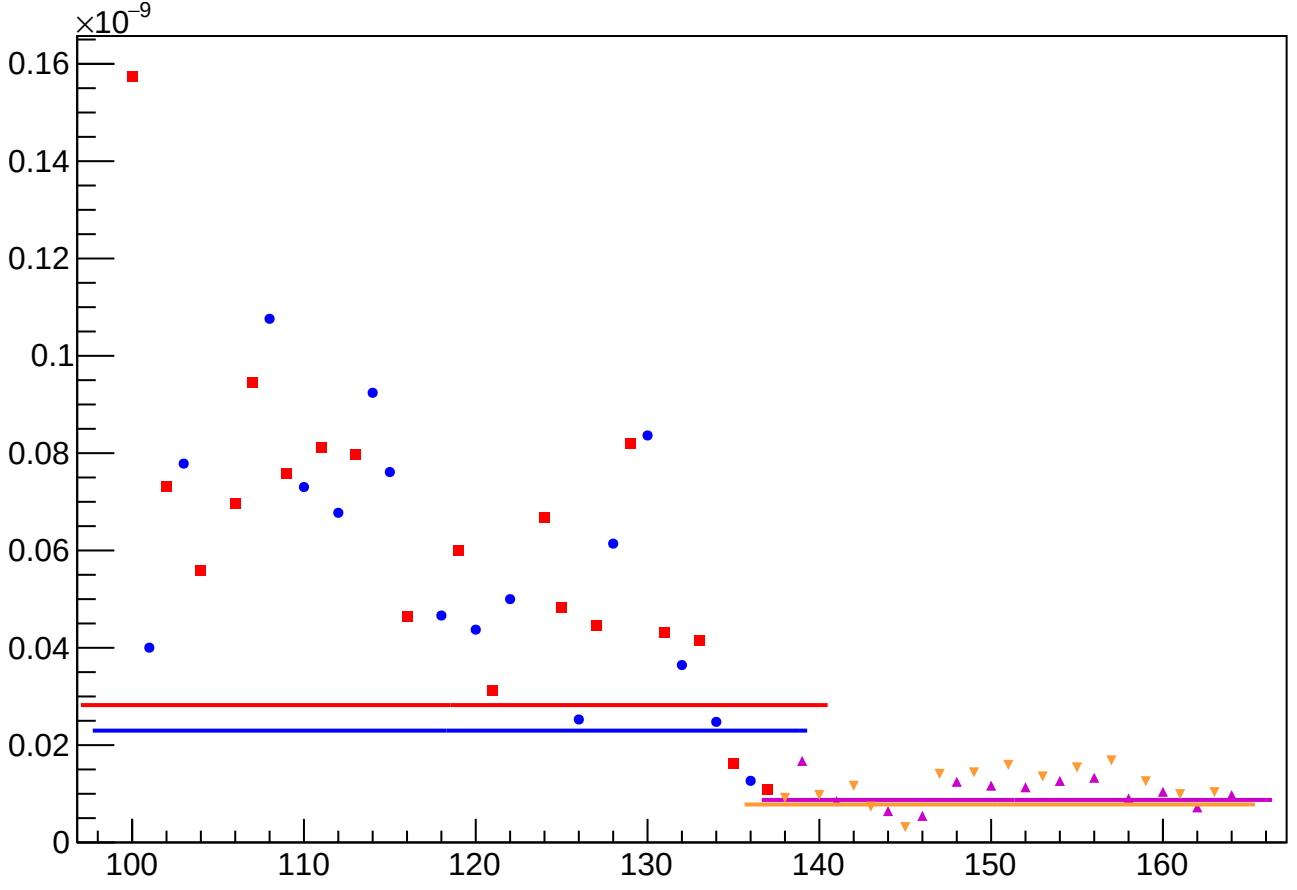
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/29

All: -0.000+/-0.000 χ^2/NDF: 75.5/61

- 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:3666546.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

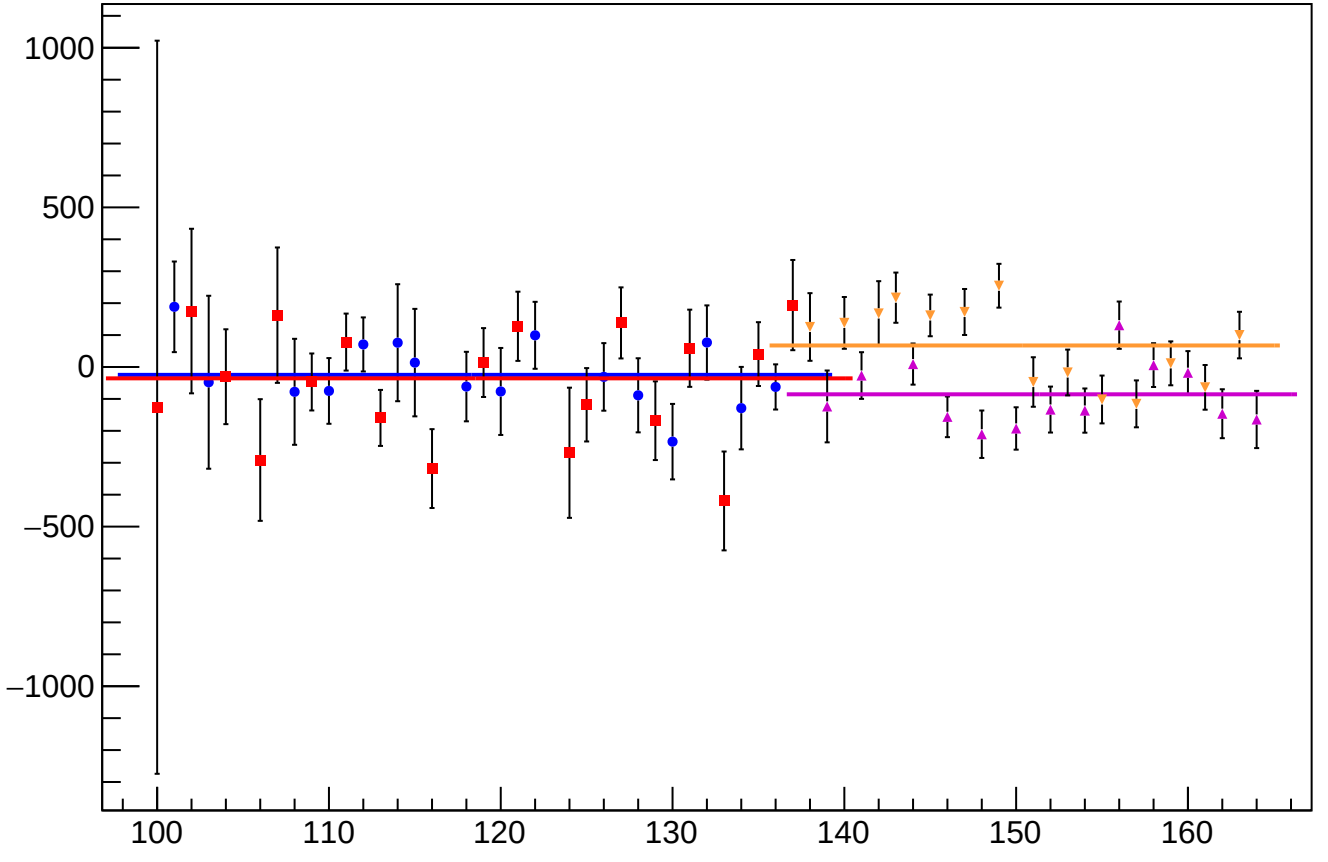
Left In: 0.000+/-0.000 χ^2/NDF:1266271.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 9977396.7/29

All: 0.000+/-0.000 χ^2/NDF: 18159590.8/61

- 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: 67.442+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

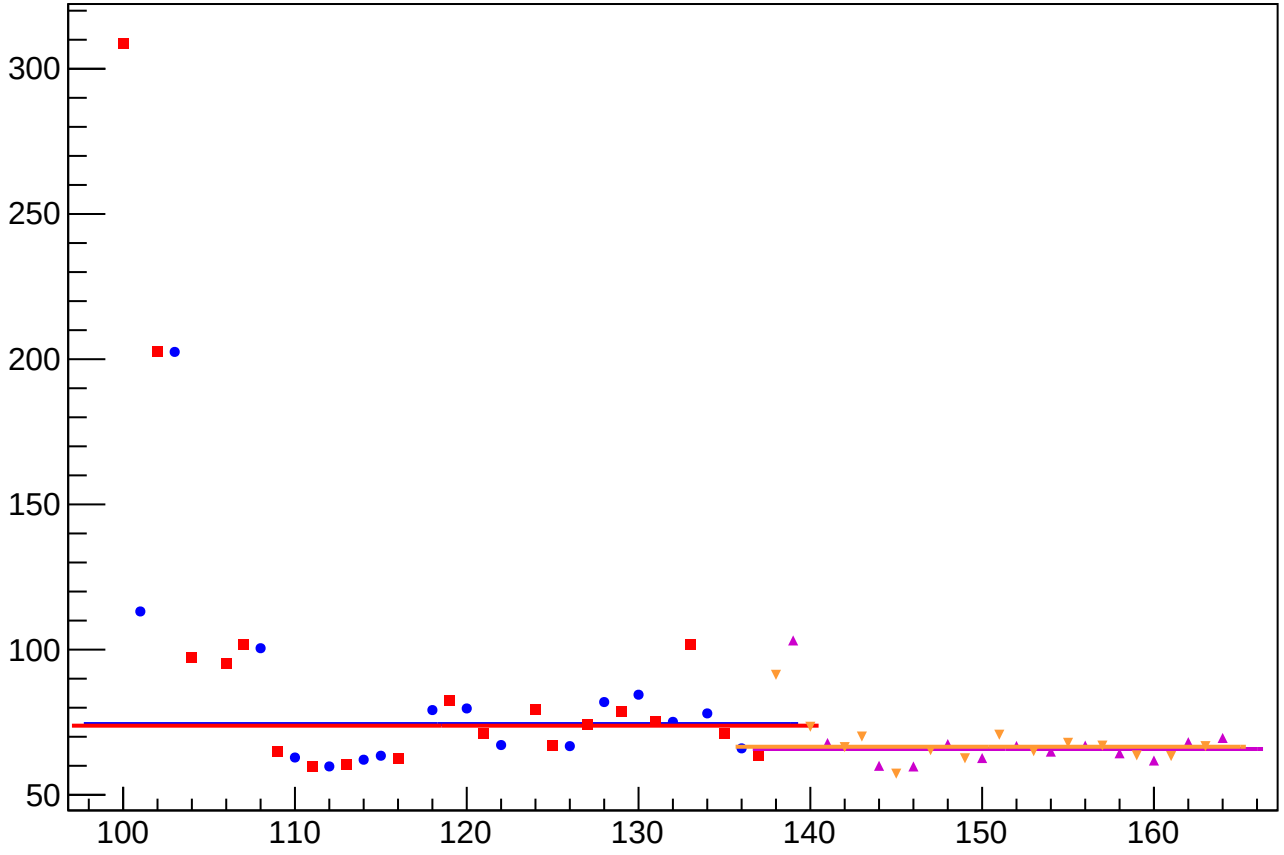
Left In: -85.547+/-20.122 χ^2/NDF:23.3/12

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -16.040+/-11.649 χ^2/NDF: 130.6/61

- 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: 66.560+/-0.014 χ^2/NDF:190571.8/13

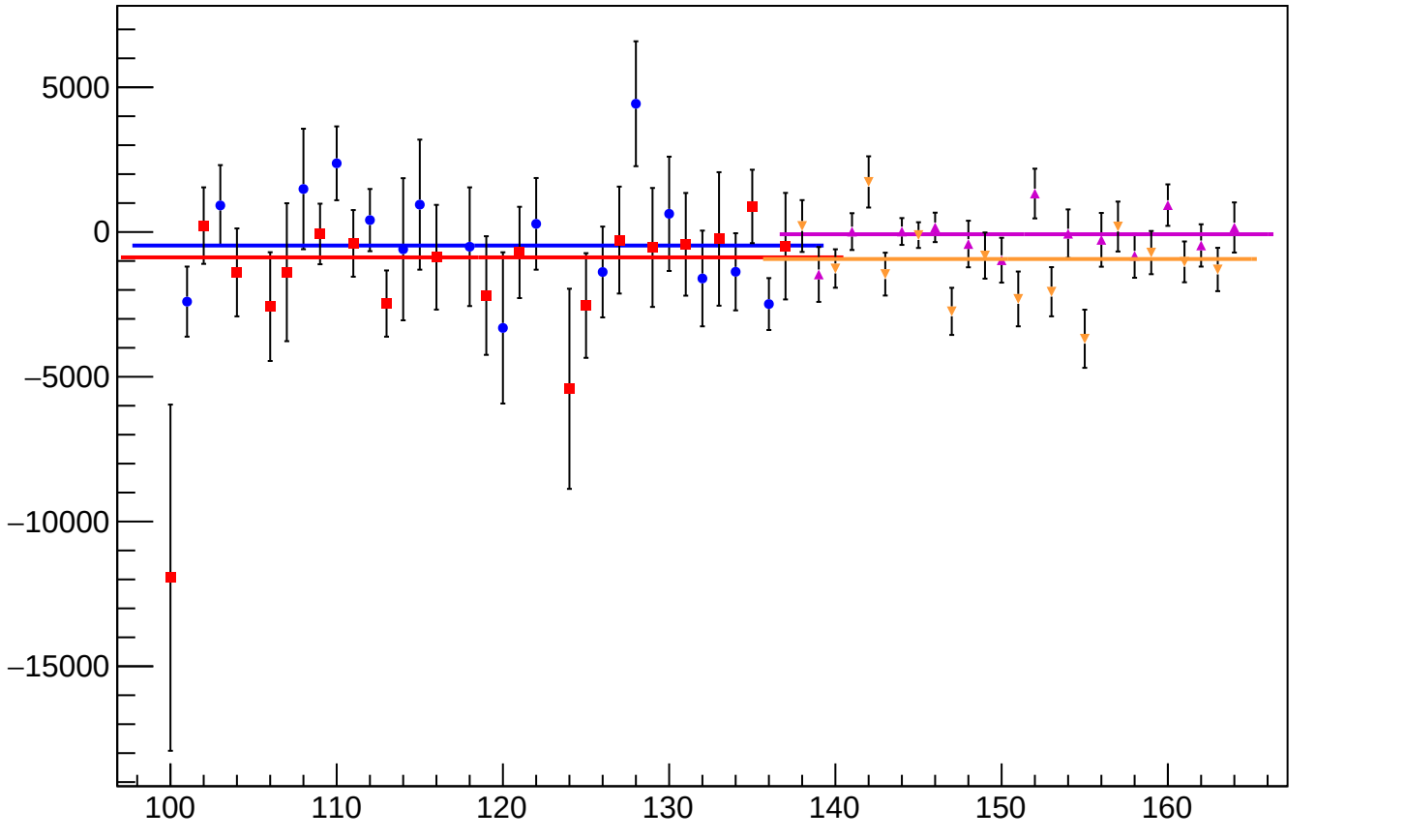
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.3/12

+ sign 69.109+/-0.012 χ^2/NDF: 1116419.1/29

All: 68.784+/-0.008 χ^2/NDF: 2432307.6/61

- sign 68.462+/-0.012 χ^2/NDF: 1314343.2/31



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -931.966+/-199.146 χ^2/NDF:33.3/13

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

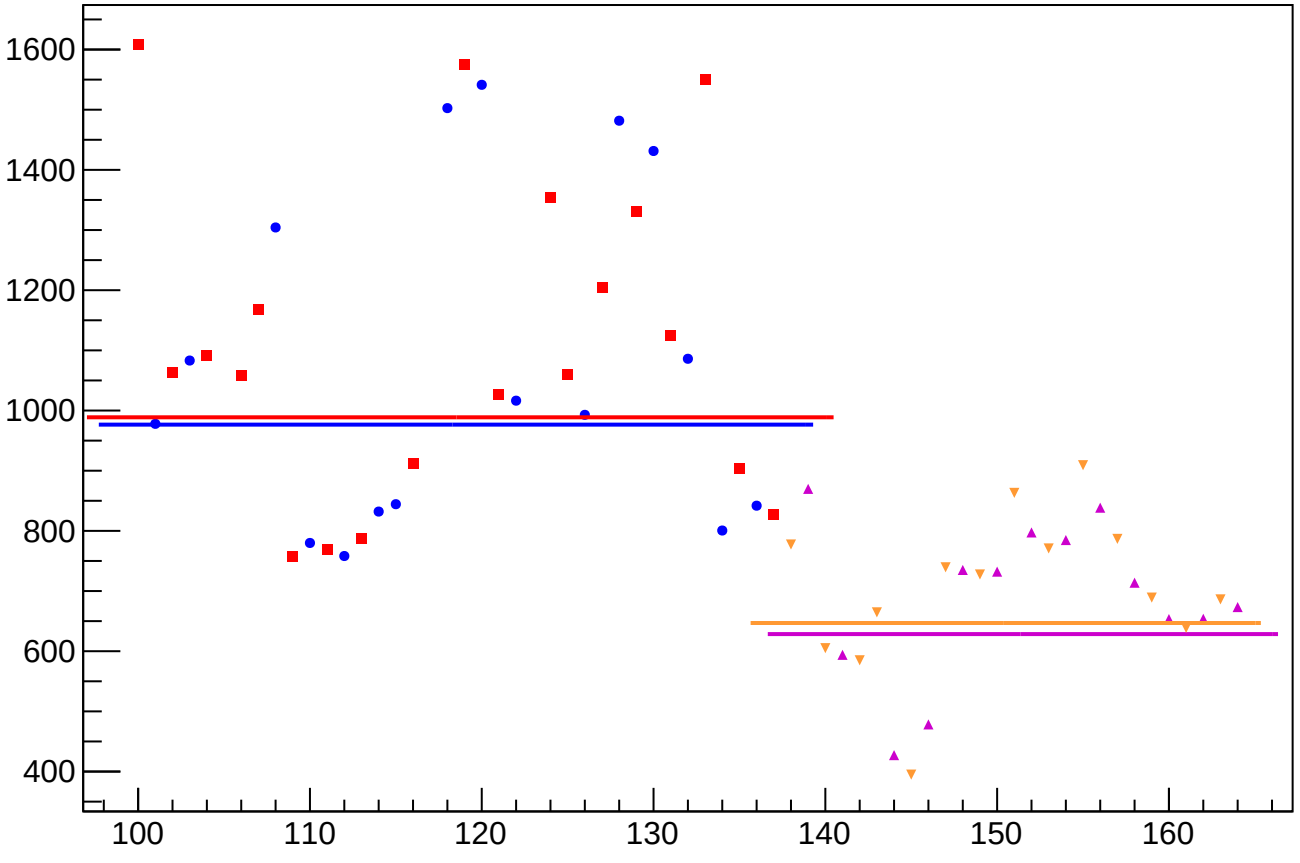
Left In: -76.399+/-195.525 χ^2/NDF:9.9/12

+ sign -829.590+/-175.886 χ^2/NDF: 58.2/29

All: -534.741+/-123.373 χ^2/NDF: 90.3/61

- 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: 646.895+/-0.141 χ^2/NDF:1100280.7/13

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

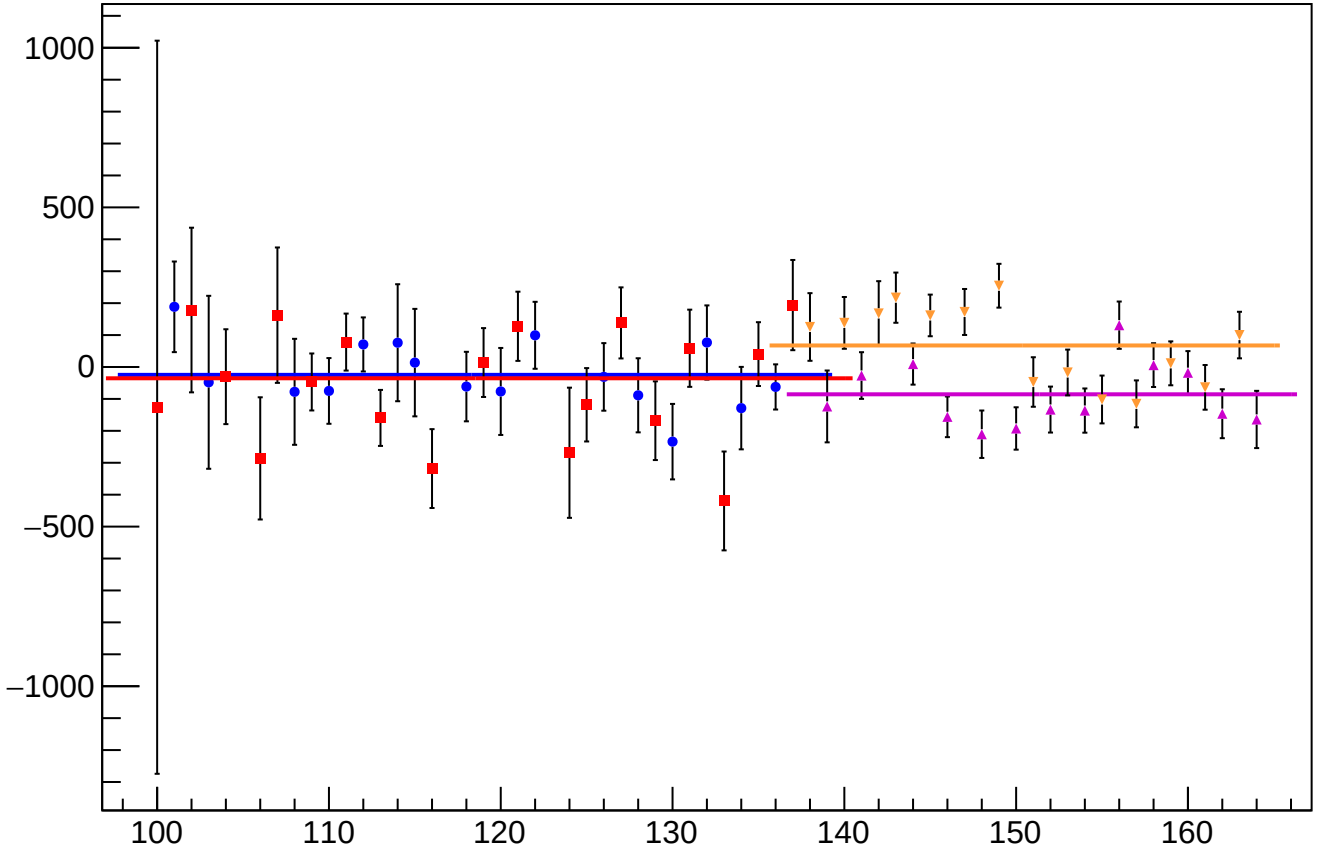
Left In: 628.468+/-0.138 χ^2/NDF:1043257.9/12

+ sign 719.411+/-0.124 χ^2/NDF: 3042539.8/29

All: 712.791+/-0.087 χ^2/NDF: 6275620.9/61

- 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: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

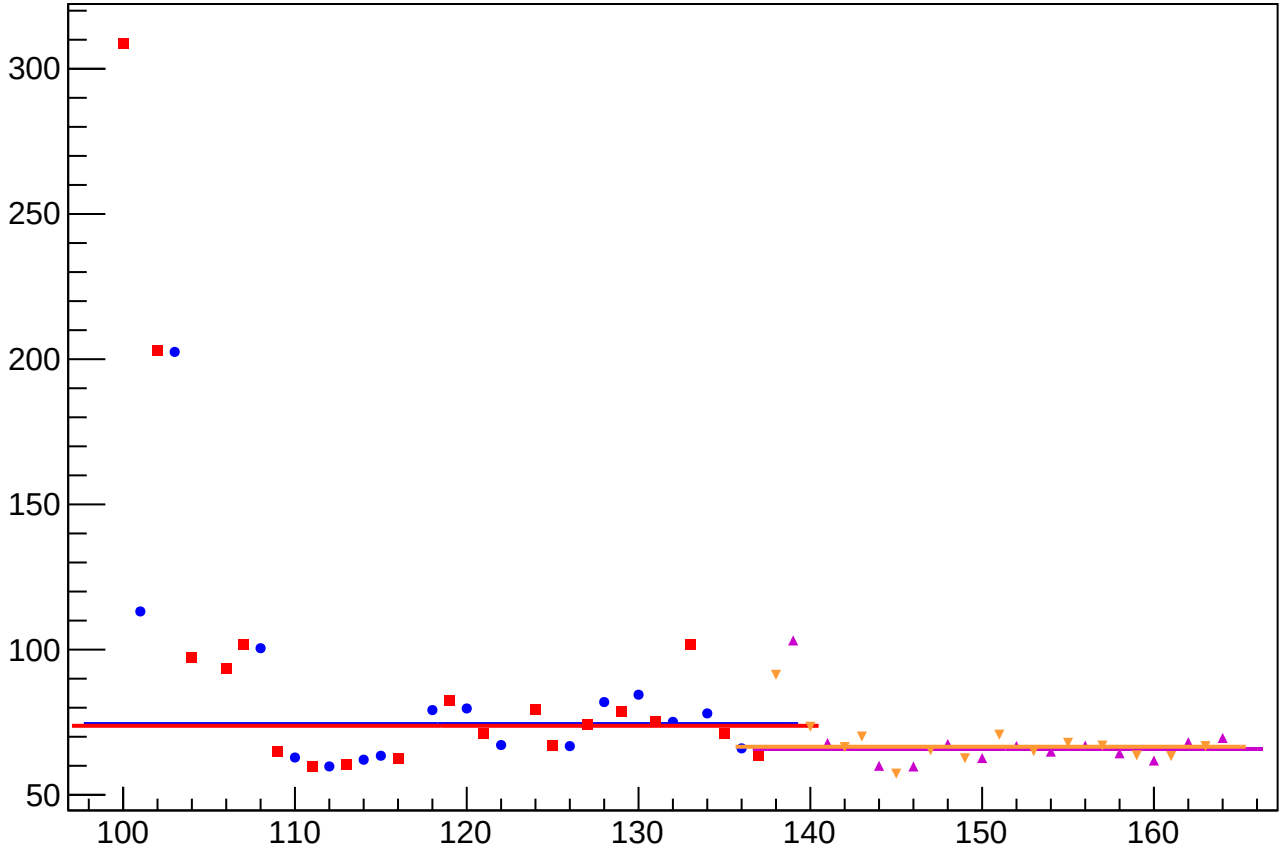
Left In: -85.548+/-20.122 χ^2/NDF:23.3/12

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -16.005+/-11.649 χ^2/NDF: 130.6/61

- 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: 66.560+/-0.014 χ^2/NDF:190571.8/13

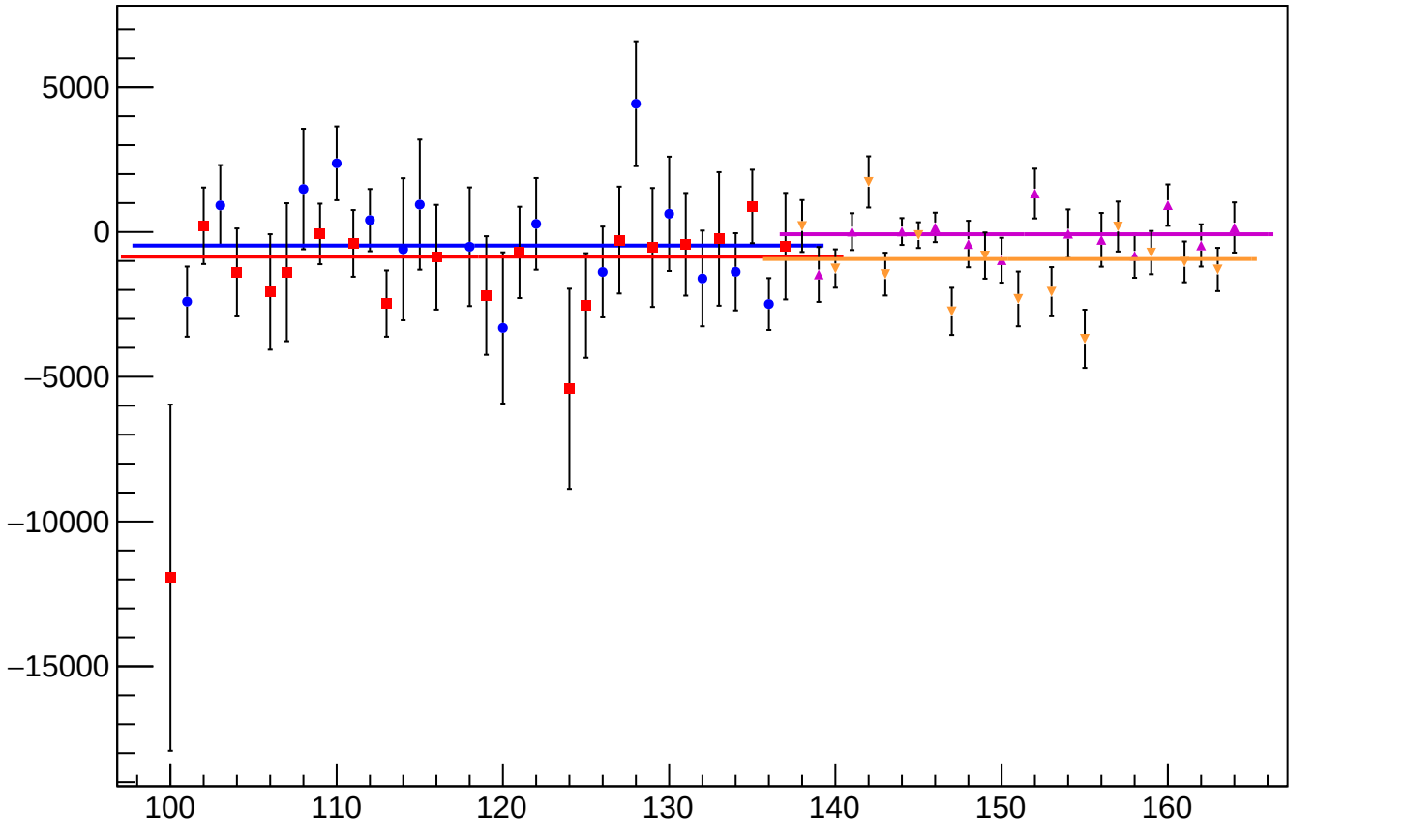
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

+ sign 69.109+/-0.012 χ^2/NDF: 1116421.1/29

All: 68.776+/-0.008 χ^2/NDF: 2427475.0/61

- 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: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

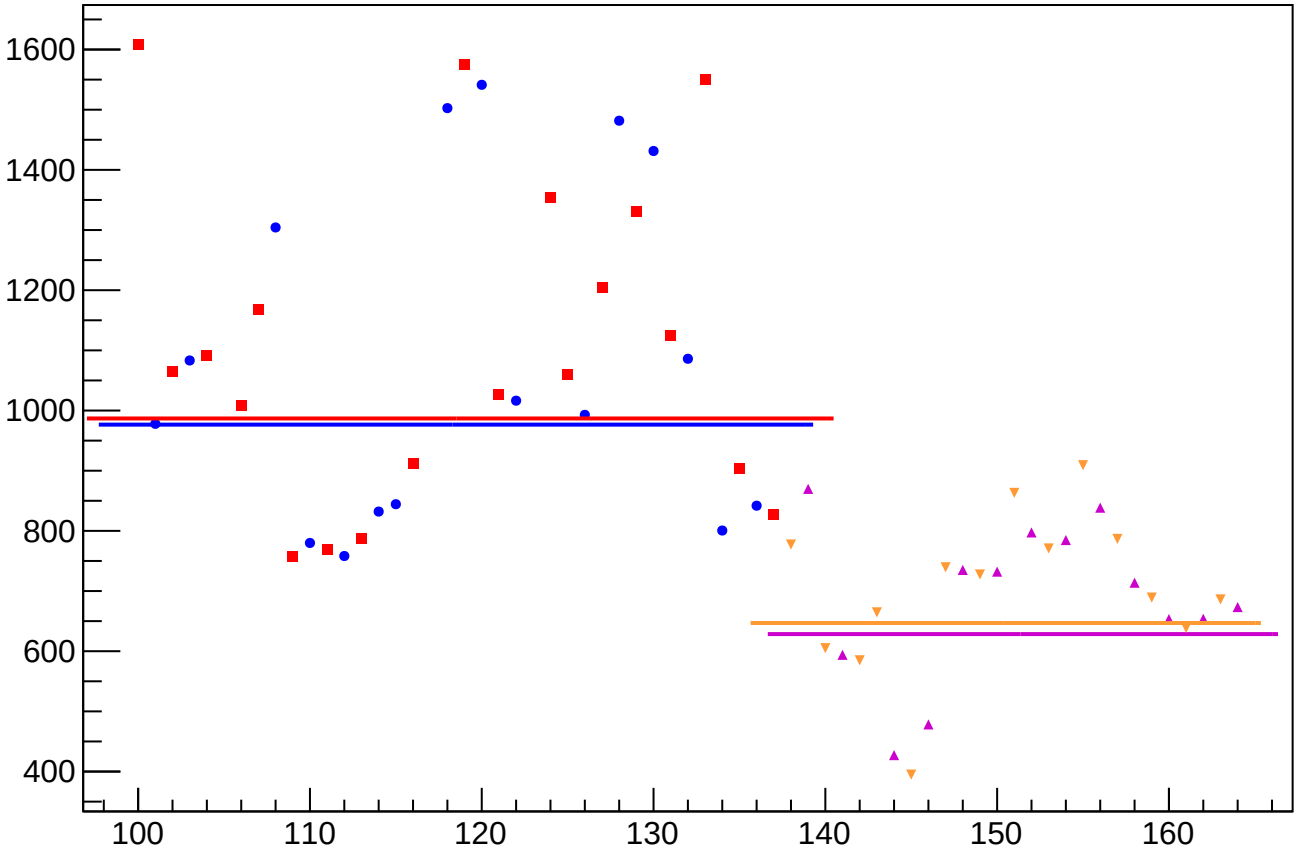
Left In: -76.400+/-195.525 χ^2/NDF:9.9/12

+ sign -829.587+/-175.886 χ^2/NDF: 58.2/29

All: -531.878+/-123.404 χ^2/NDF: 89.7/61

- 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: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

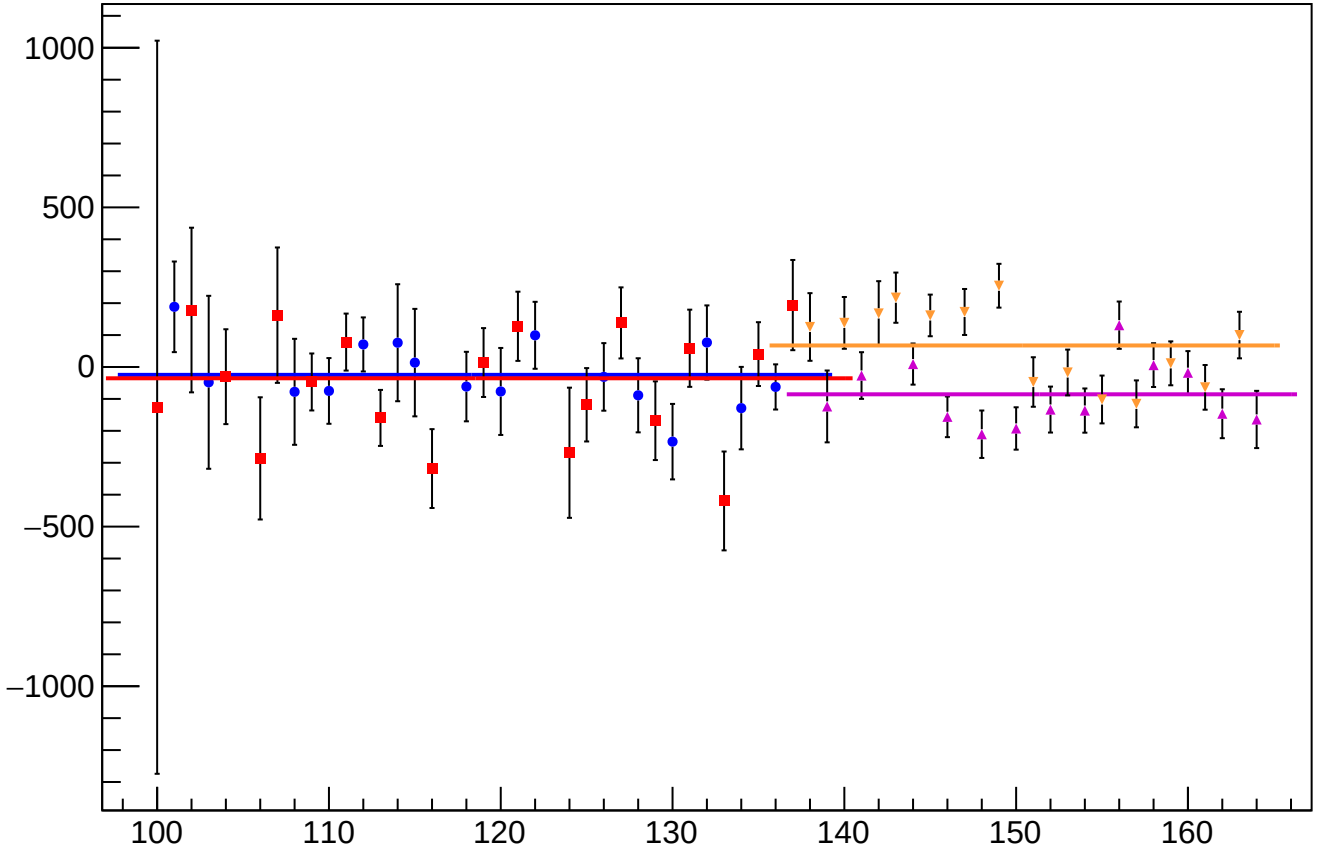
Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

+ sign 719.411+/-0.124 χ^2/NDF: 3042595.5/29

All: 712.440+/-0.087 χ^2/NDF: 6252922.6/61

- 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: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

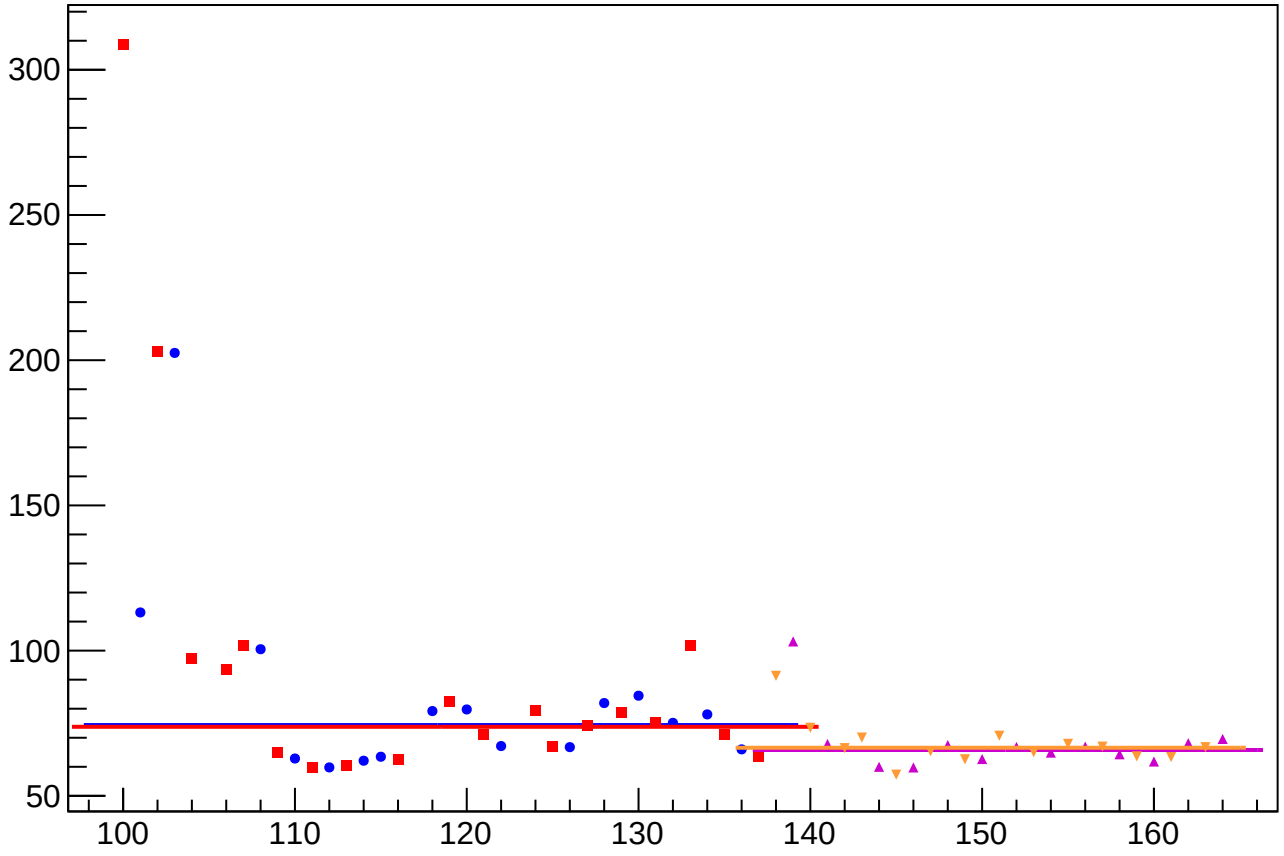
Left In: -85.548+/-20.122 χ^2/NDF:23.3/12

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -16.005+/-11.649 χ^2/NDF: 130.6/61

- 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: 66.560+/-0.014 χ^2/NDF:190571.8/13

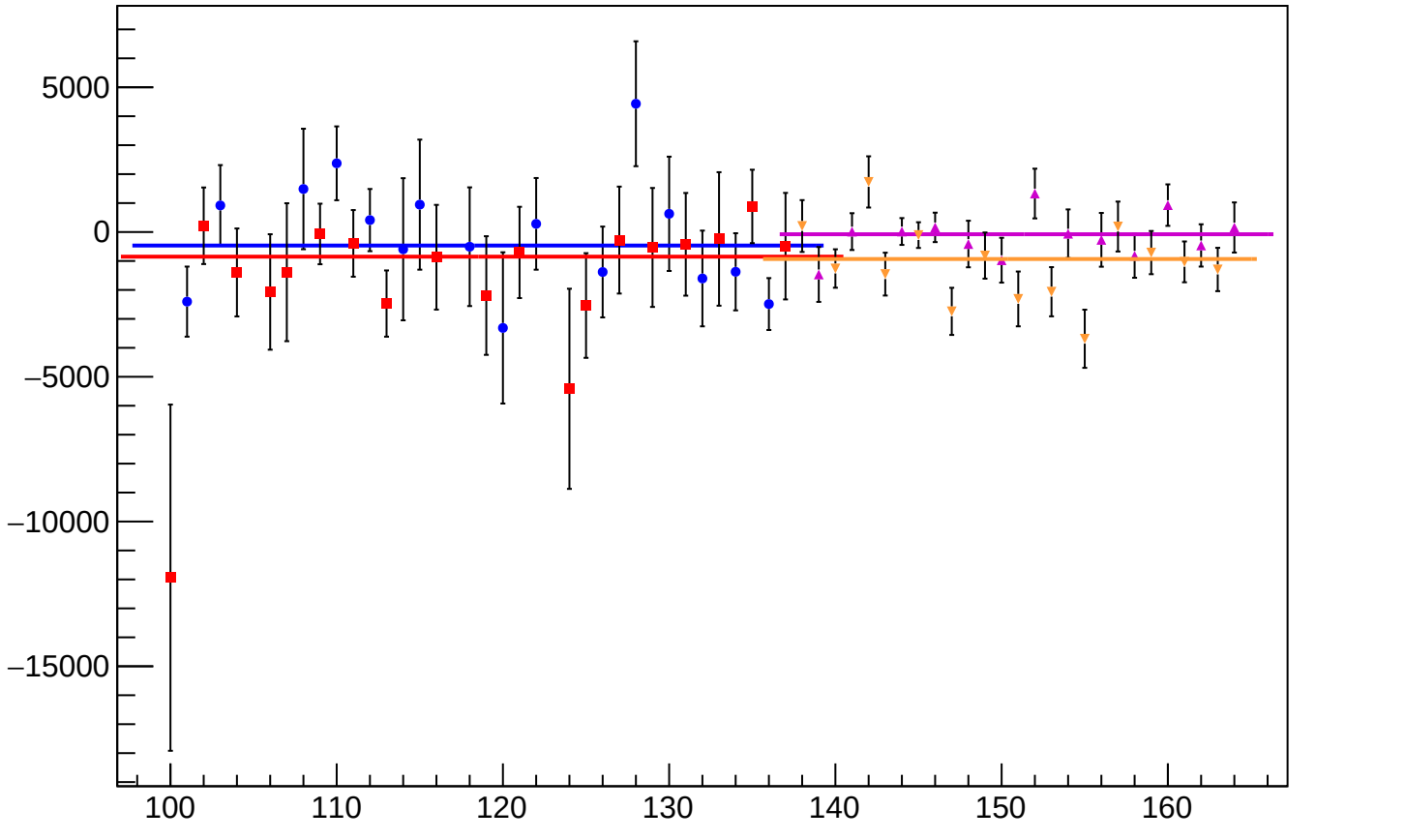
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

+ sign 69.109+/-0.012 χ^2/NDF: 1116421.1/29

All: 68.776+/-0.008 χ^2/NDF: 2427475.0/61

- 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: -931.964+/-199.146 χ^2/NDF:33.3/13

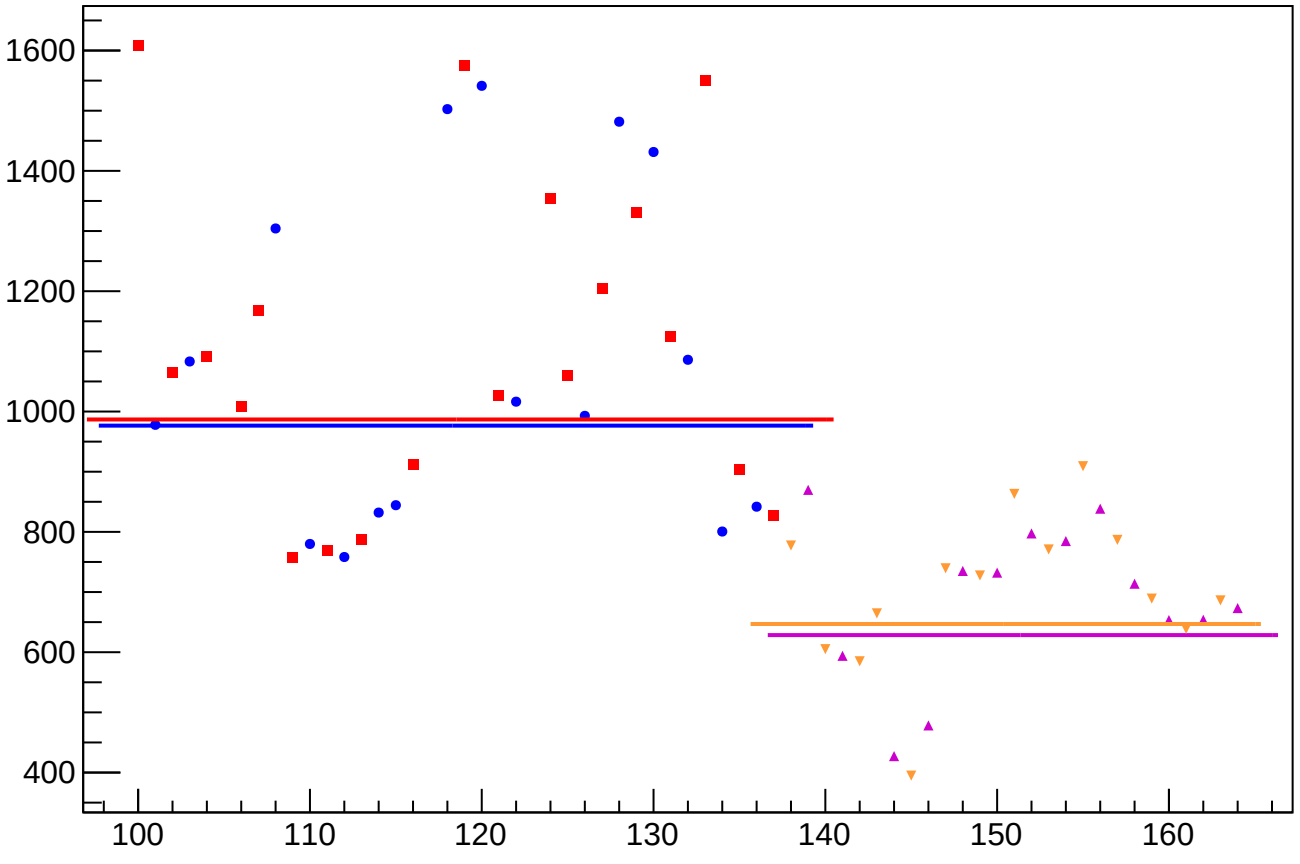
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -76.400+/-195.525 χ^2/NDF:9.9/12

+ sign -829.587+/-175.886 χ^2/NDF: 58.2/29

All: -531.878+/-123.404 χ^2/NDF: 89.7/61

- 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: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

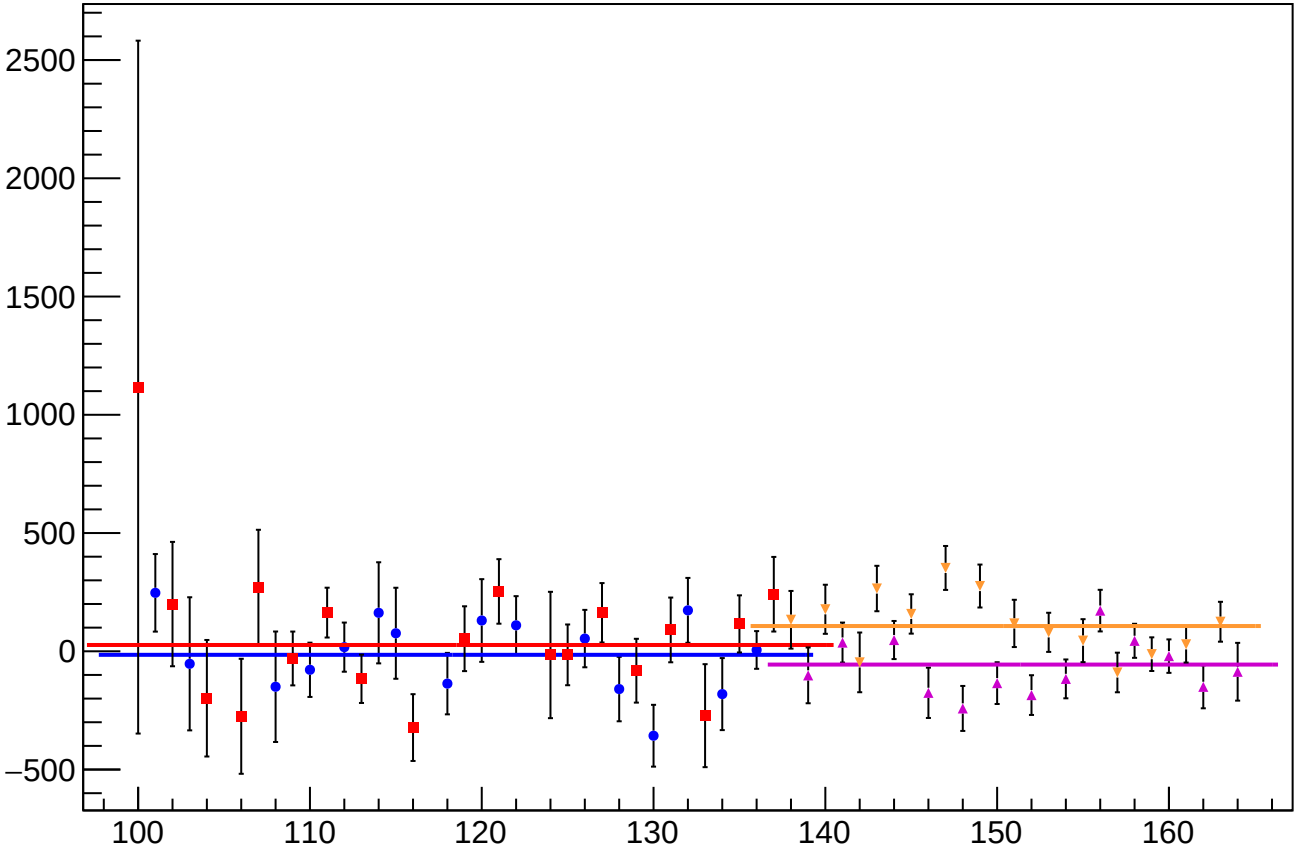
Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

+ sign 719.411+/-0.124 χ^2/NDF: 3042595.5/29

All: 712.440+/-0.087 χ^2/NDF: 6252922.6/61

- 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: 106.776+/-24.042 χ^2/NDF:25.5/13

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

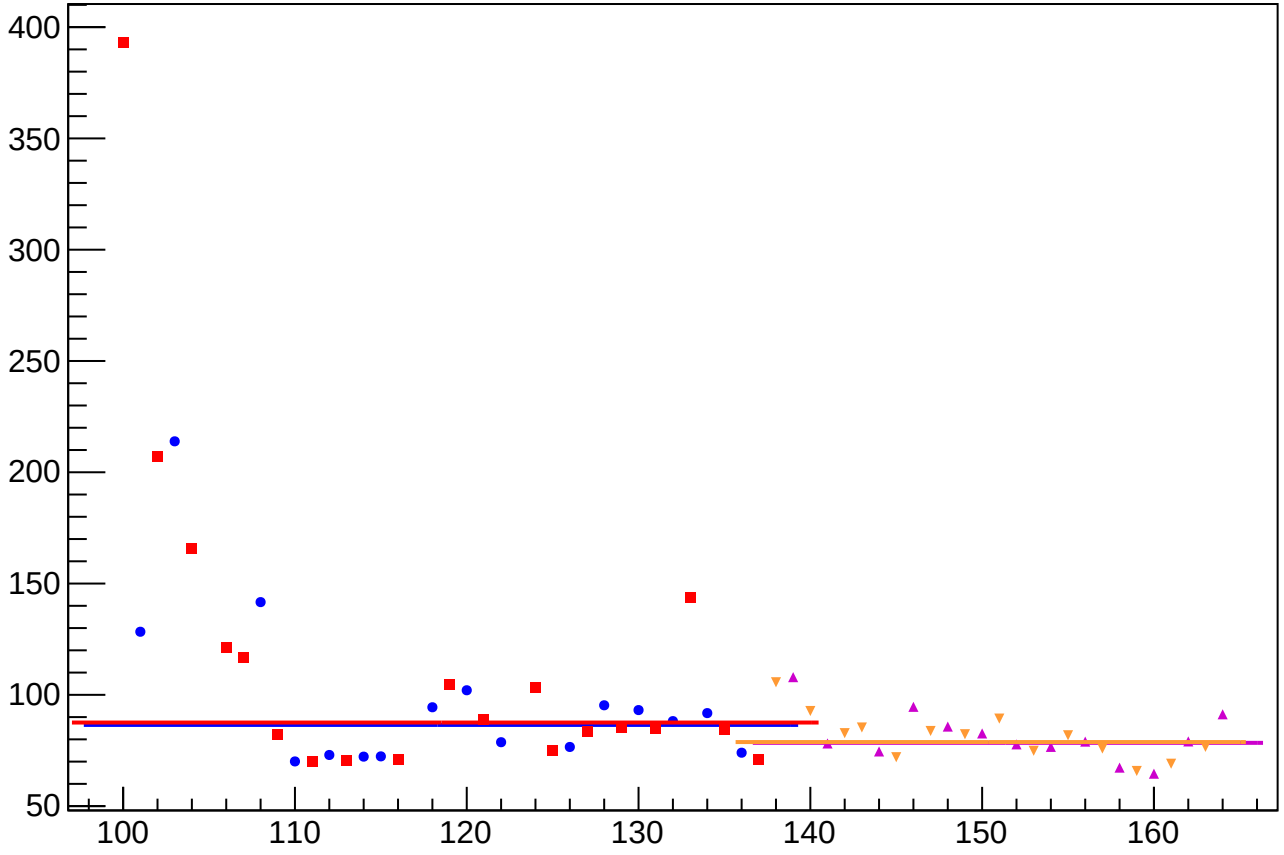
Left In: -56.183+/-24.303 χ^2/NDF:21.8/12

+ sign 65.817+/-19.583 χ^2/NDF: 52.4/29

All: 19.266+/-13.919 χ^2/NDF: 113.2/61

- 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: 78.786+/-0.017 χ^2/NDF:298065.7/13

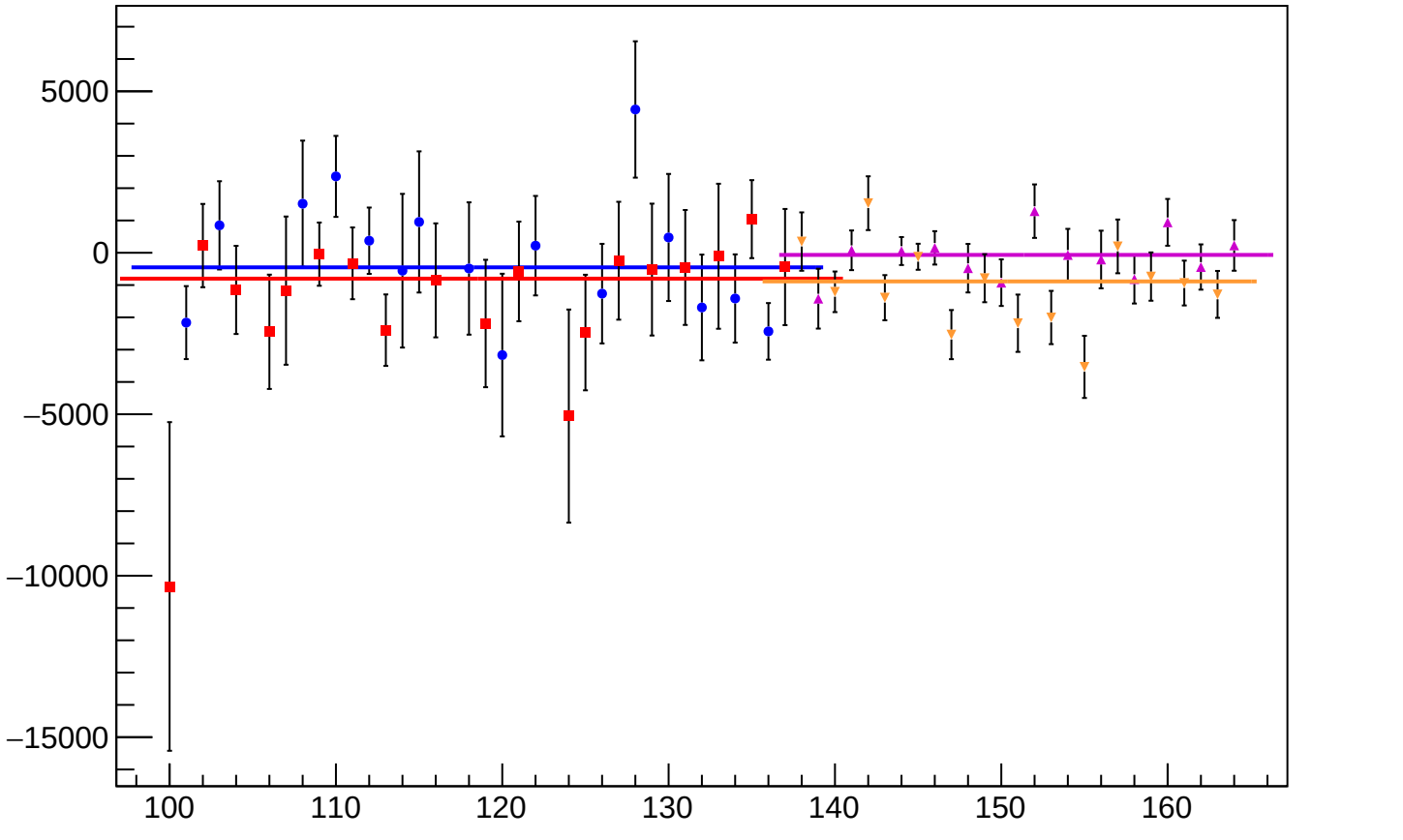
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.431+/-0.017 χ^2/NDF:340589.1/12

+ sign 81.378+/-0.014 χ^2/NDF: 1223399.1/29

All: 81.442+/-0.010 χ^2/NDF: 2788874.2/61

- 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: -886.720+/-189.148 χ^2/NDF:33.0/13

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

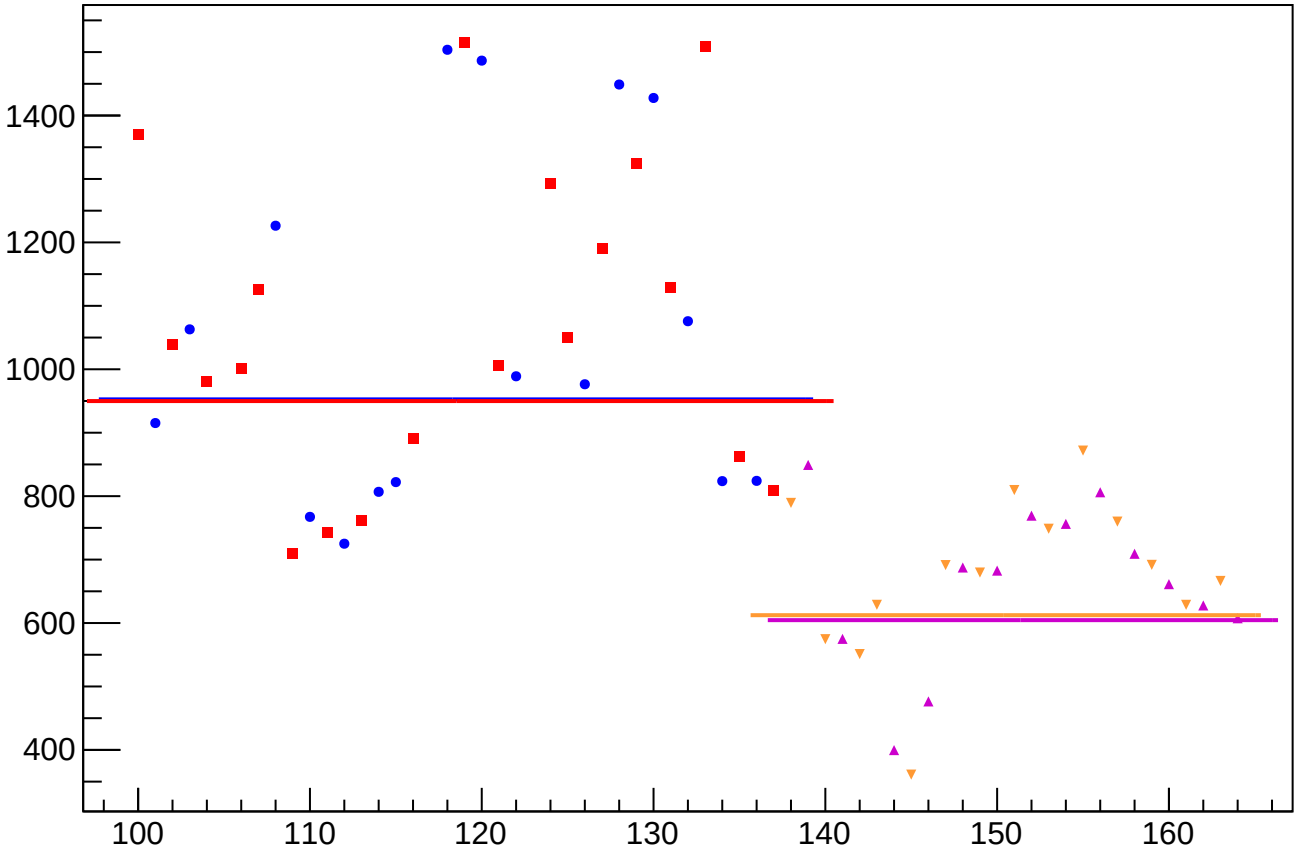
Left In: -66.517+/-188.451 χ^2/NDF:10.2/12

\+ sign -794.801+/-167.997 χ^2/NDF: 57.8/29

All: -508.282+/-118.346 χ^2/NDF: 90.7/61

\- 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: 612.373+/-0.134 χ^2/NDF:1307003.6/13

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

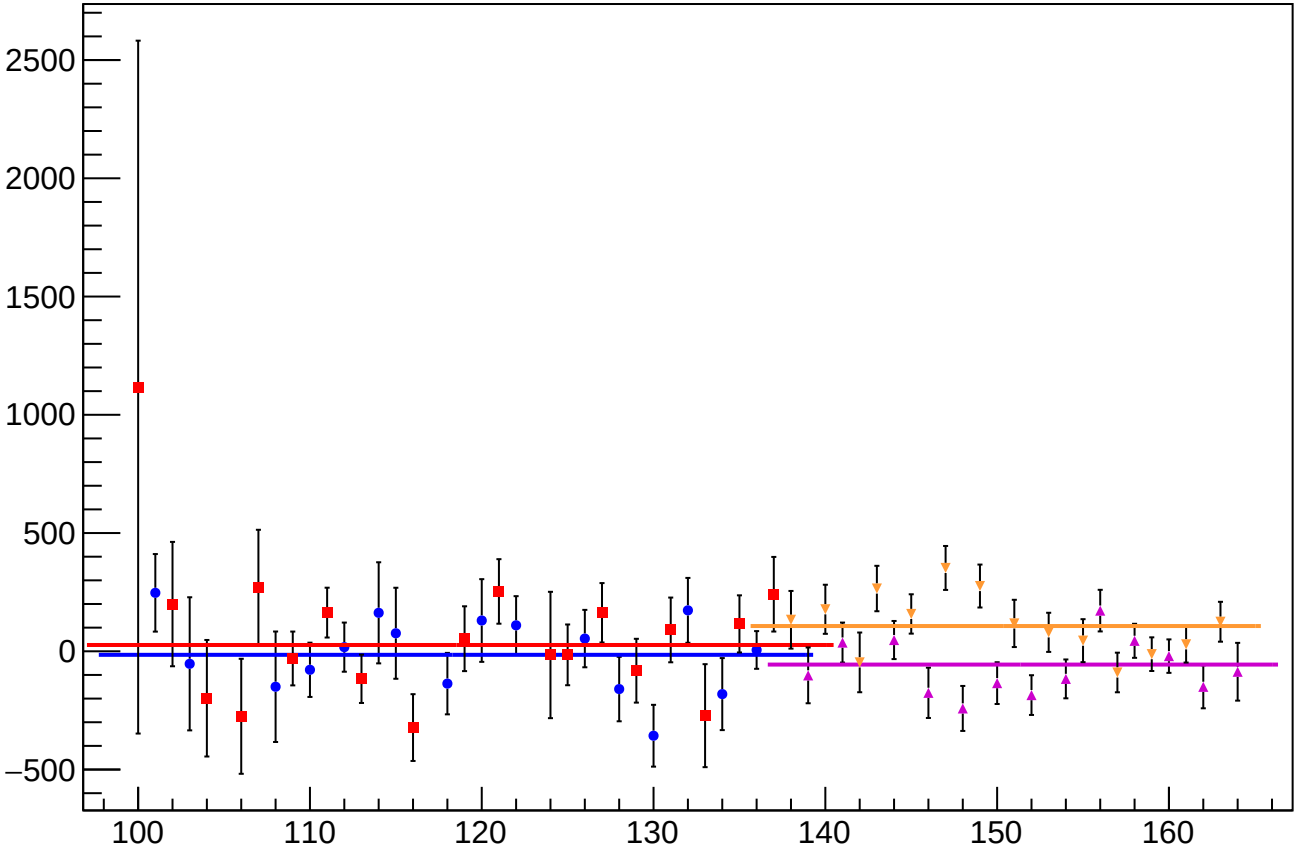
Left In: 604.534+/-0.133 χ^2/NDF:1067643.0/12

\+ sign 684.199+/-0.119 χ^2/NDF: 3419241.1/29

All: 681.838+/-0.084 χ^2/NDF: 6697594.1/61

\- 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: 106.778+/-24.042 χ^2/NDF:25.5/13

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

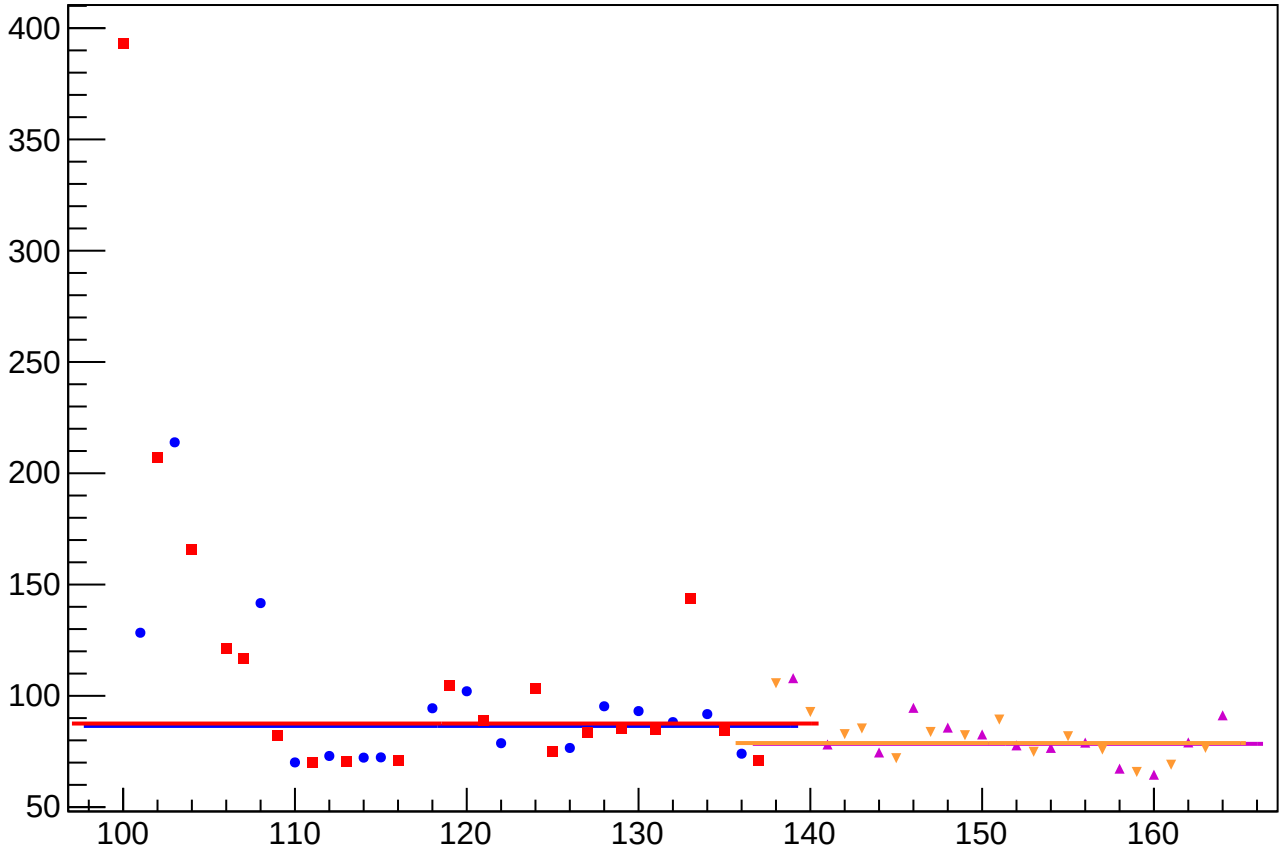
Left In: -56.183+/-24.303 χ^2/NDF:21.8/12

+ sign 65.818+/-19.584 χ^2/NDF: 52.4/29

All: 19.268+/-13.919 χ^2/NDF: 113.2/61

- 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: 78.787+/-0.017 χ^2/NDF:298072.5/13

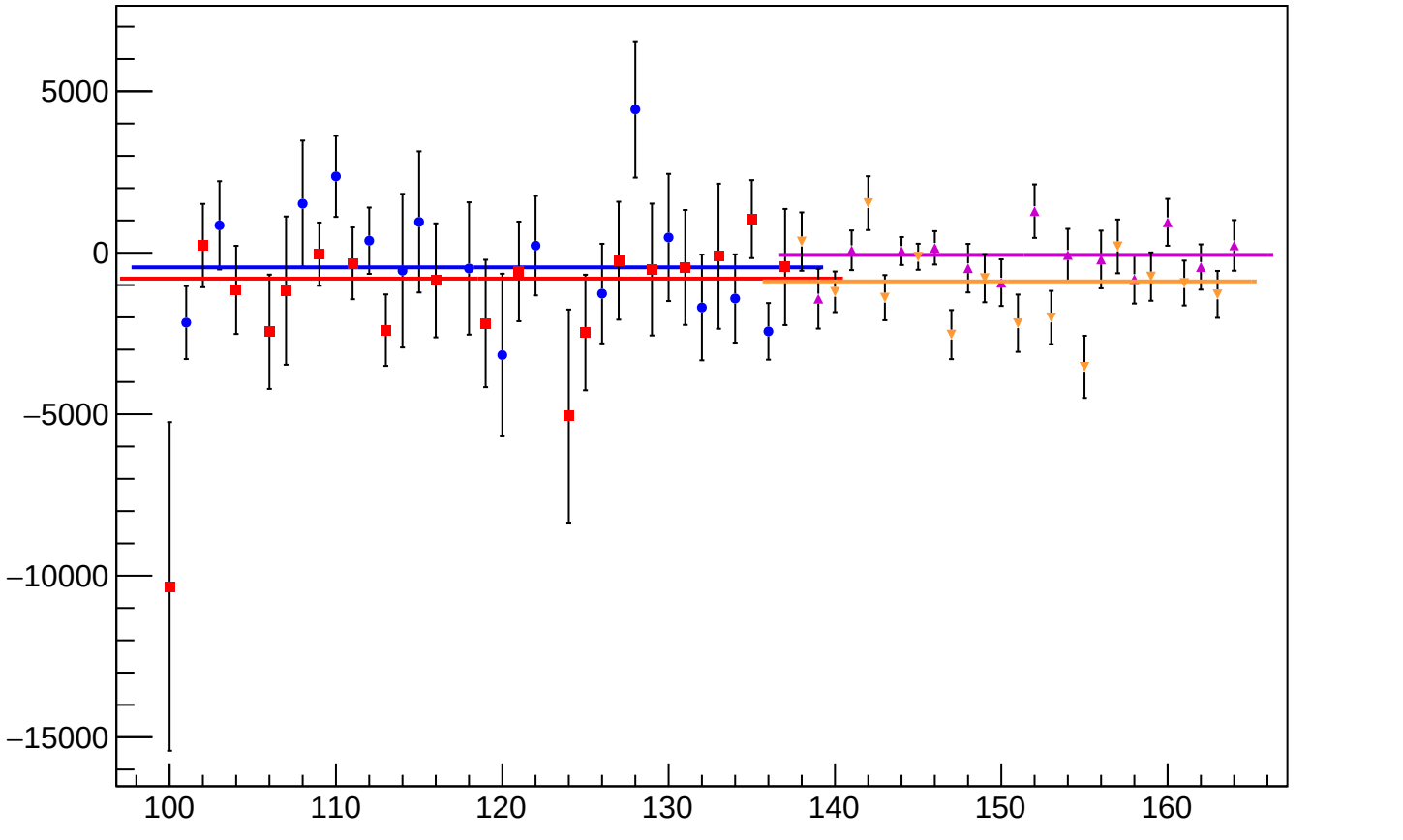
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 78.431+/-0.017 χ^2/NDF:340594.8/12

+ sign 81.379+/-0.014 χ^2/NDF: 1223397.5/29

All: 81.442+/-0.010 χ^2/NDF: 2788879.2/61

- 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: -886.720+/-189.148 χ^2/NDF:33.0/13

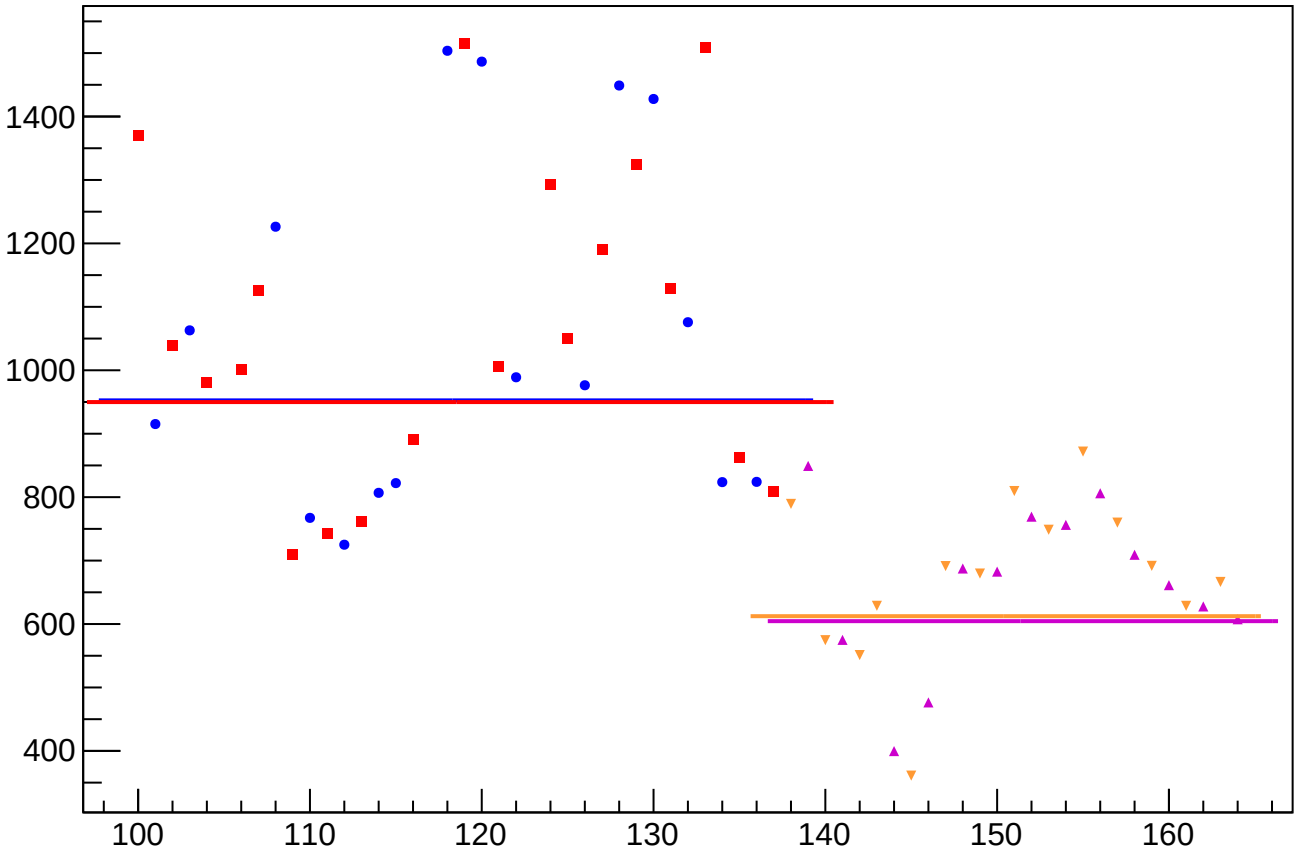
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -66.516+/-188.451 χ^2/NDF:10.2/12

\+ sign -794.800+/-167.996 χ^2/NDF: 57.8/29

All: -508.281+/-118.346 χ^2/NDF: 90.7/61

\- 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: 612.372+/-0.134 χ^2/NDF:1307004.5/13

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

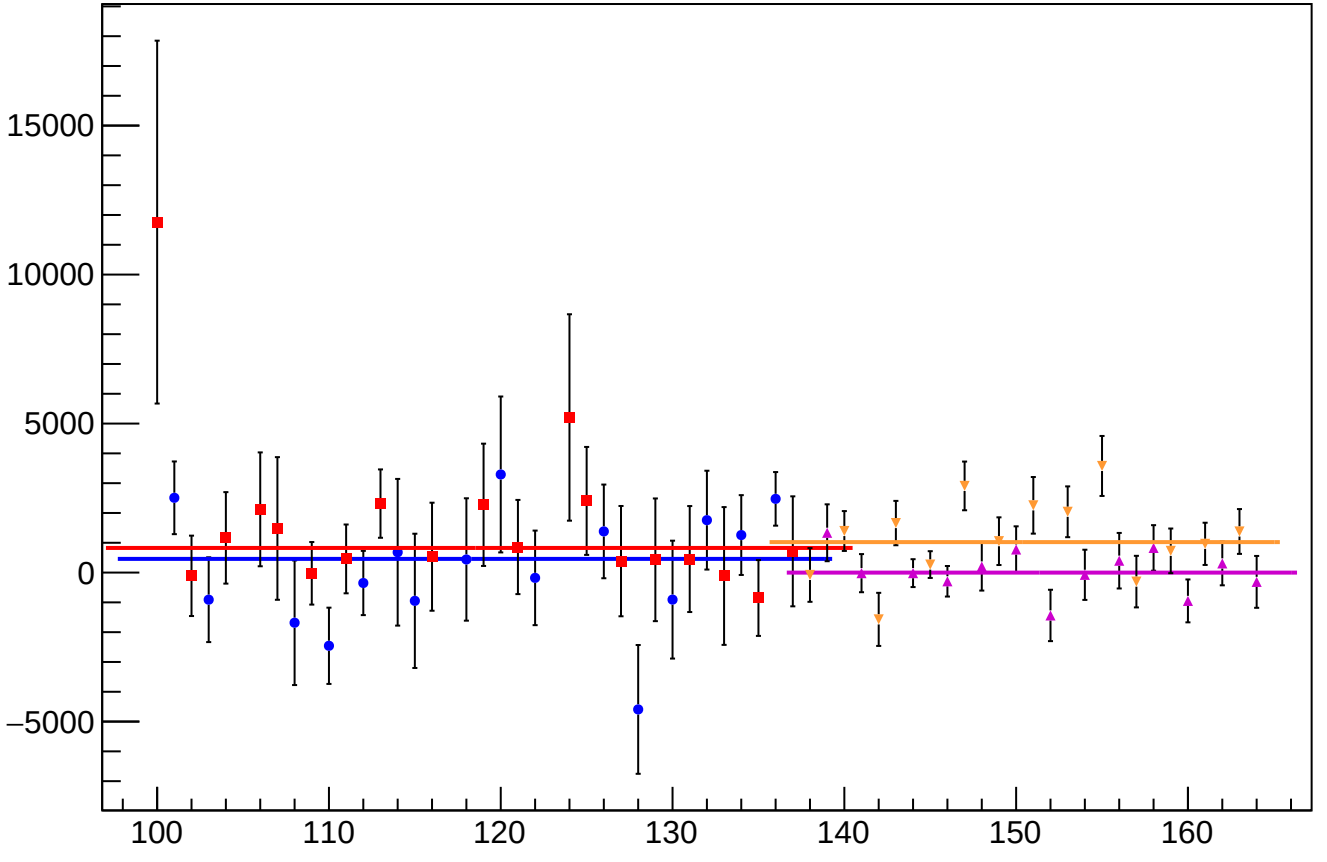
Left In: 604.534+/-0.133 χ^2/NDF:1067642.4/12

+ sign 684.198+/-0.119 χ^2/NDF: 3419241.2/29

All: 681.837+/-0.084 χ^2/NDF: 6697588.1/61

- 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: 1022.514+/-200.388 χ^2/NDF:31.4/13

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

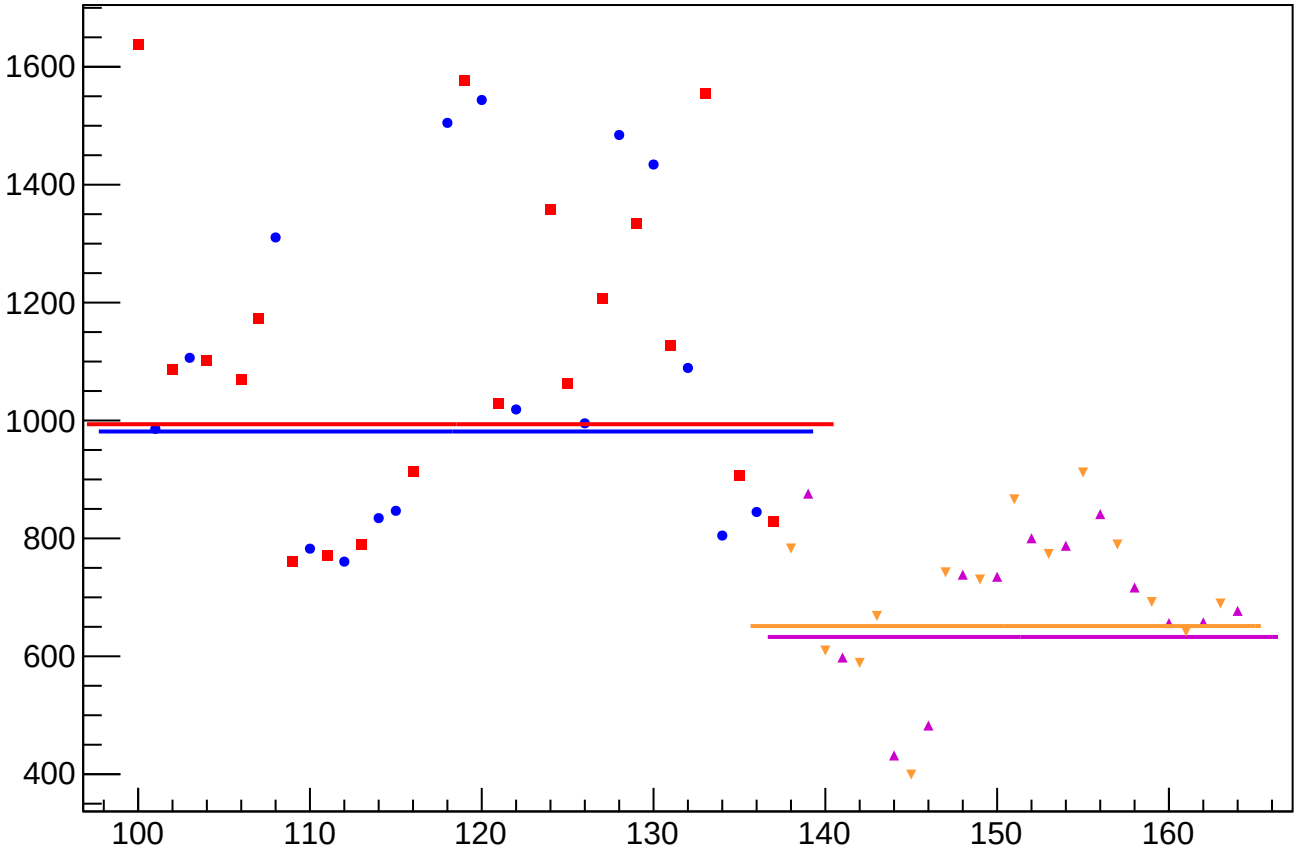
Left In: -1.270+/-196.774 χ^2/NDF:9.5/12

+ sign 898.343+/-176.932 χ^2/NDF: 57.8/29

All: 532.507+/-124.120 χ^2/NDF: 91.2/61

- 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: 651.295+/-0.142 χ^2/NDF:1075519.4/13

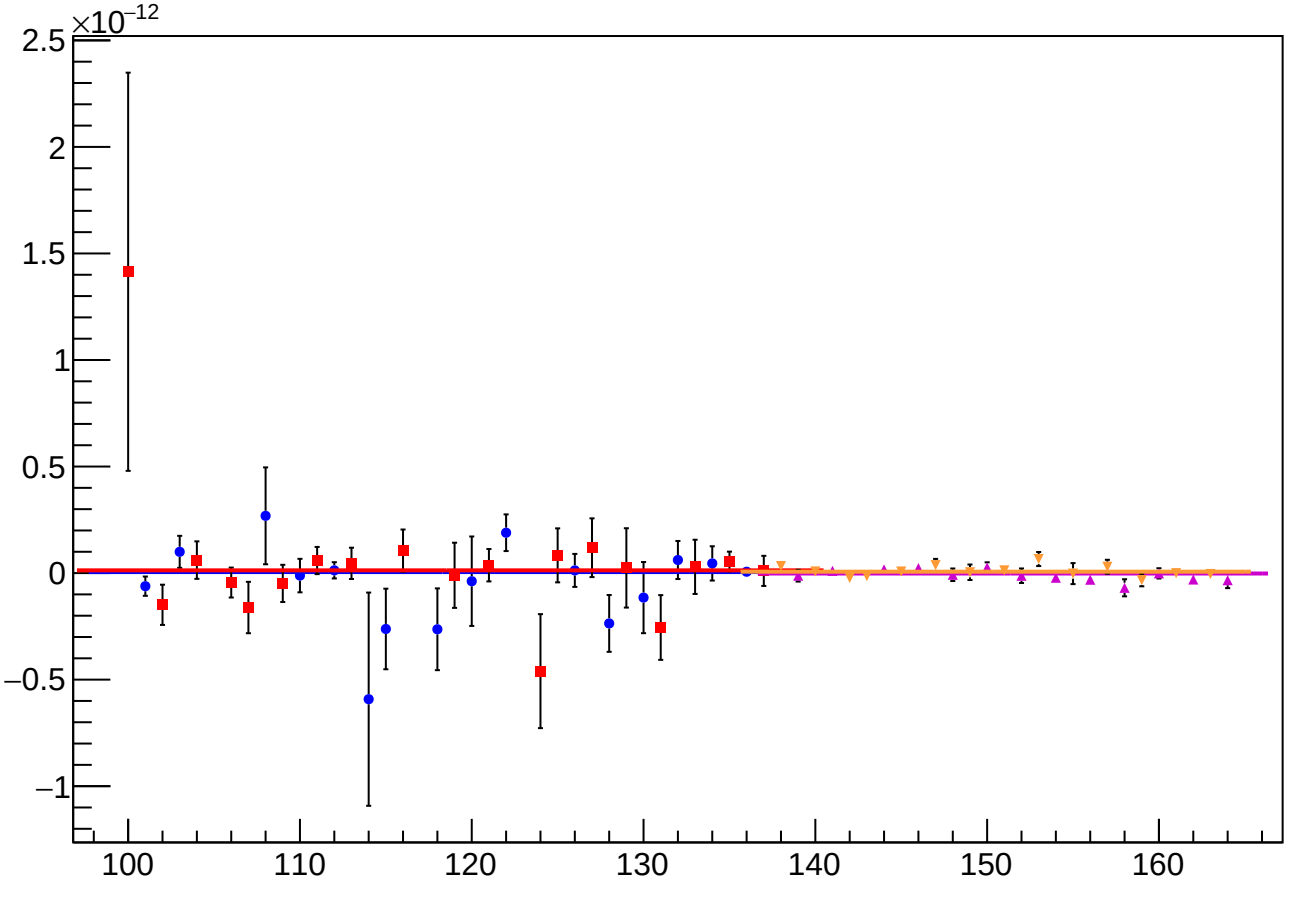
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 632.820+/-0.139 χ^2/NDF:1022226.7/12

+ sign 724.040+/-0.125 χ^2/NDF: 3009004.7/29

All: 717.405+/-0.088 χ^2/NDF: 6213378.6/61

- 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:12.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

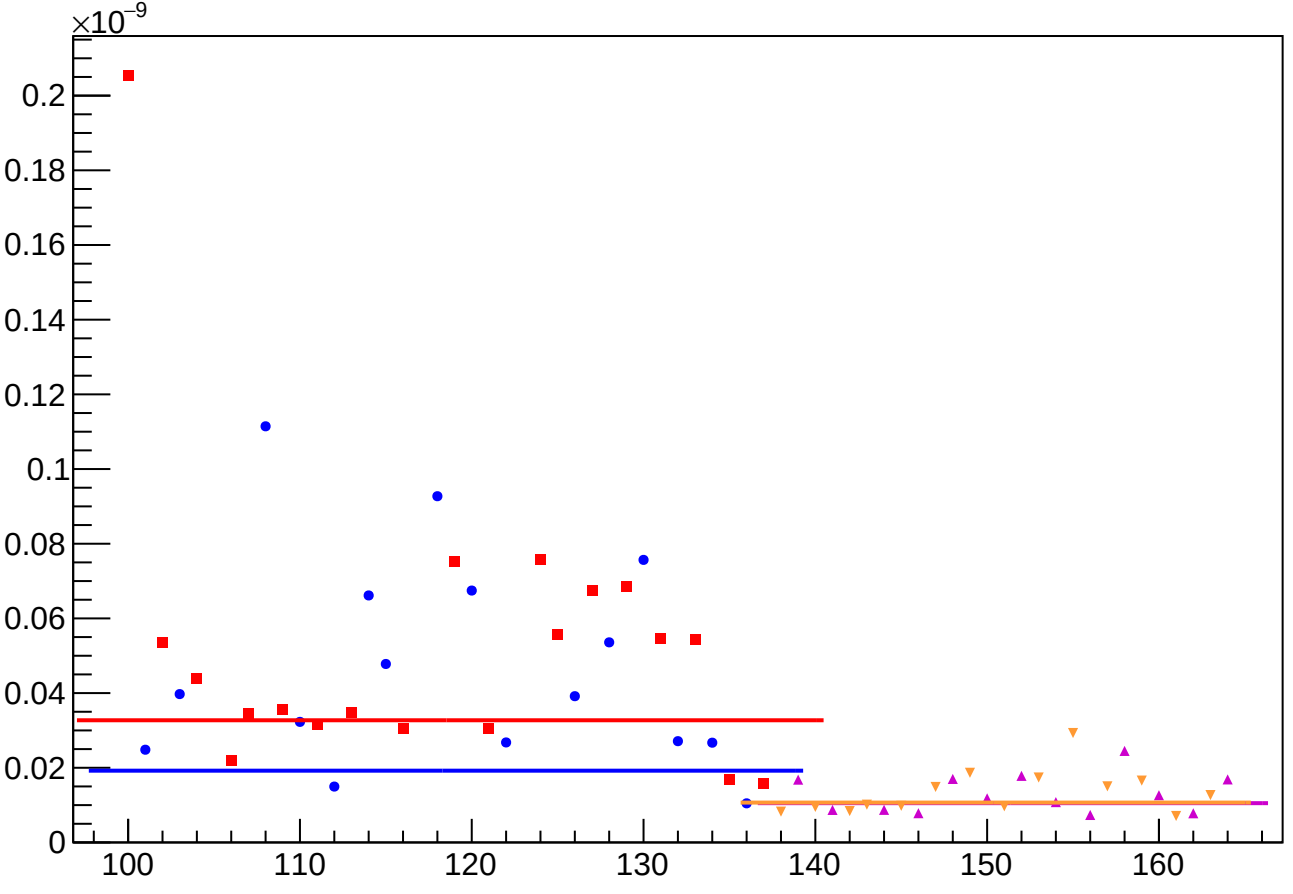
Left In: -0.000+/-0.000 χ^2/NDF:15.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 67.1/61

- sign -0.000+/-0.000 χ^2/NDF: 34.3/31

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:835997.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

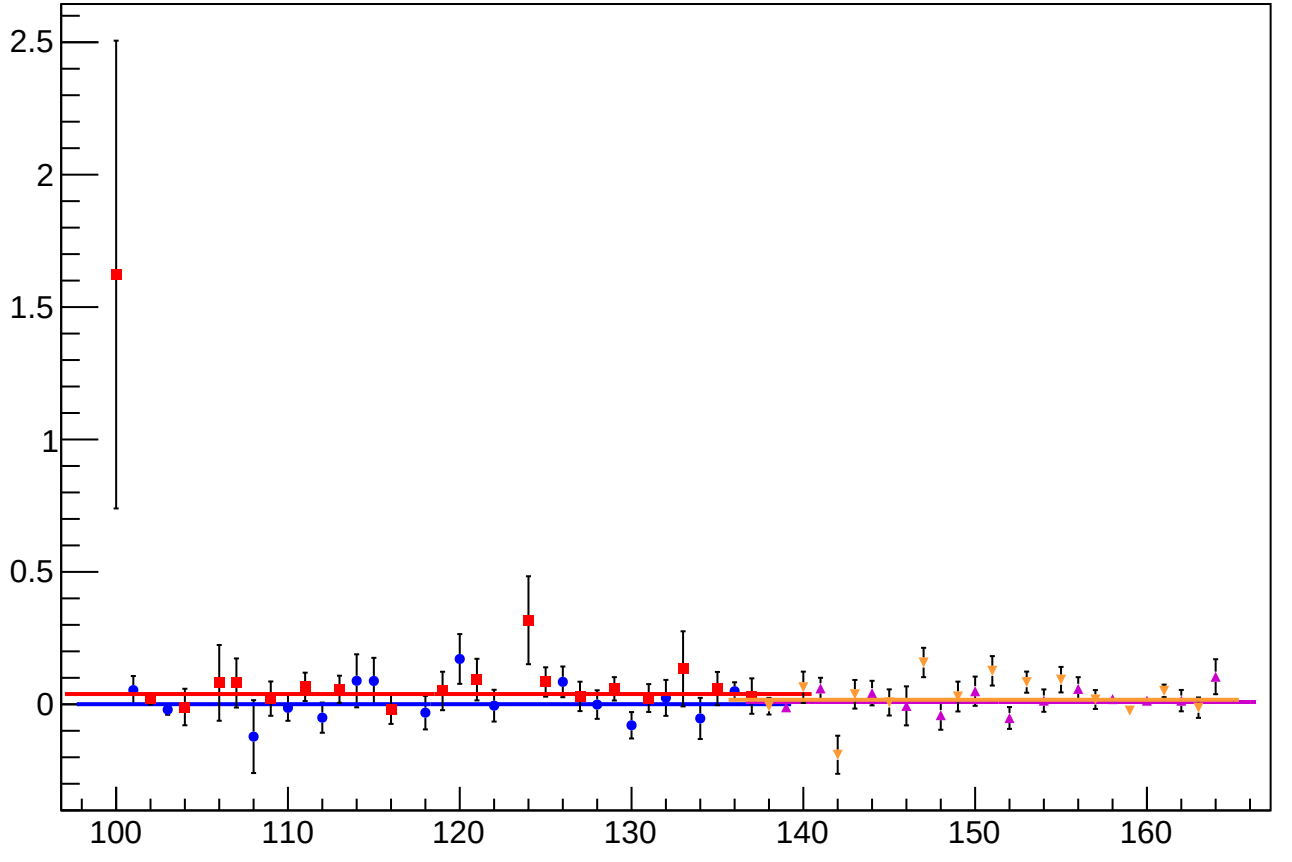
Left In: 0.000+/-0.000 χ^2/NDF:822303.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3414640.9/29

All: 0.000+/-0.000 χ^2/NDF: 7536176.7/61

- 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: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

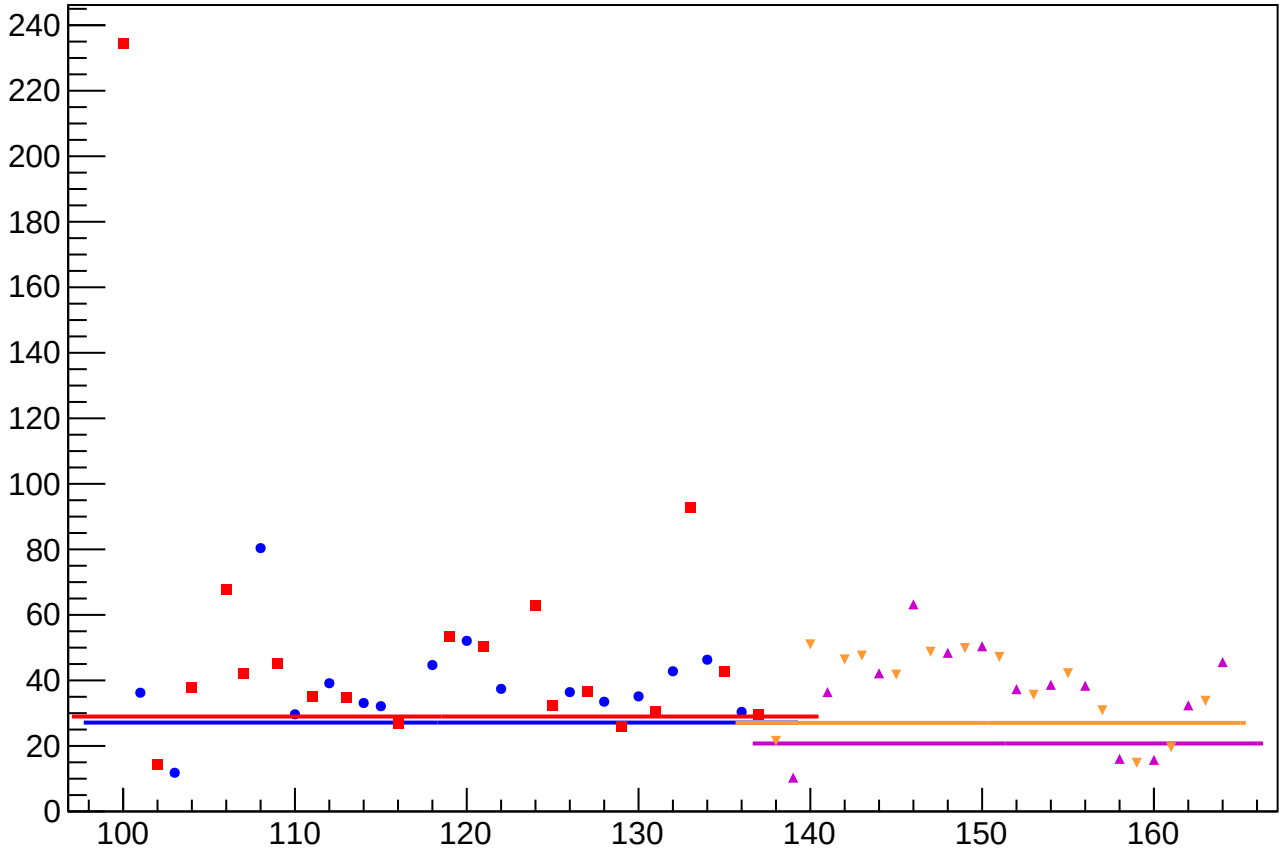
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 79.2/61

- 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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

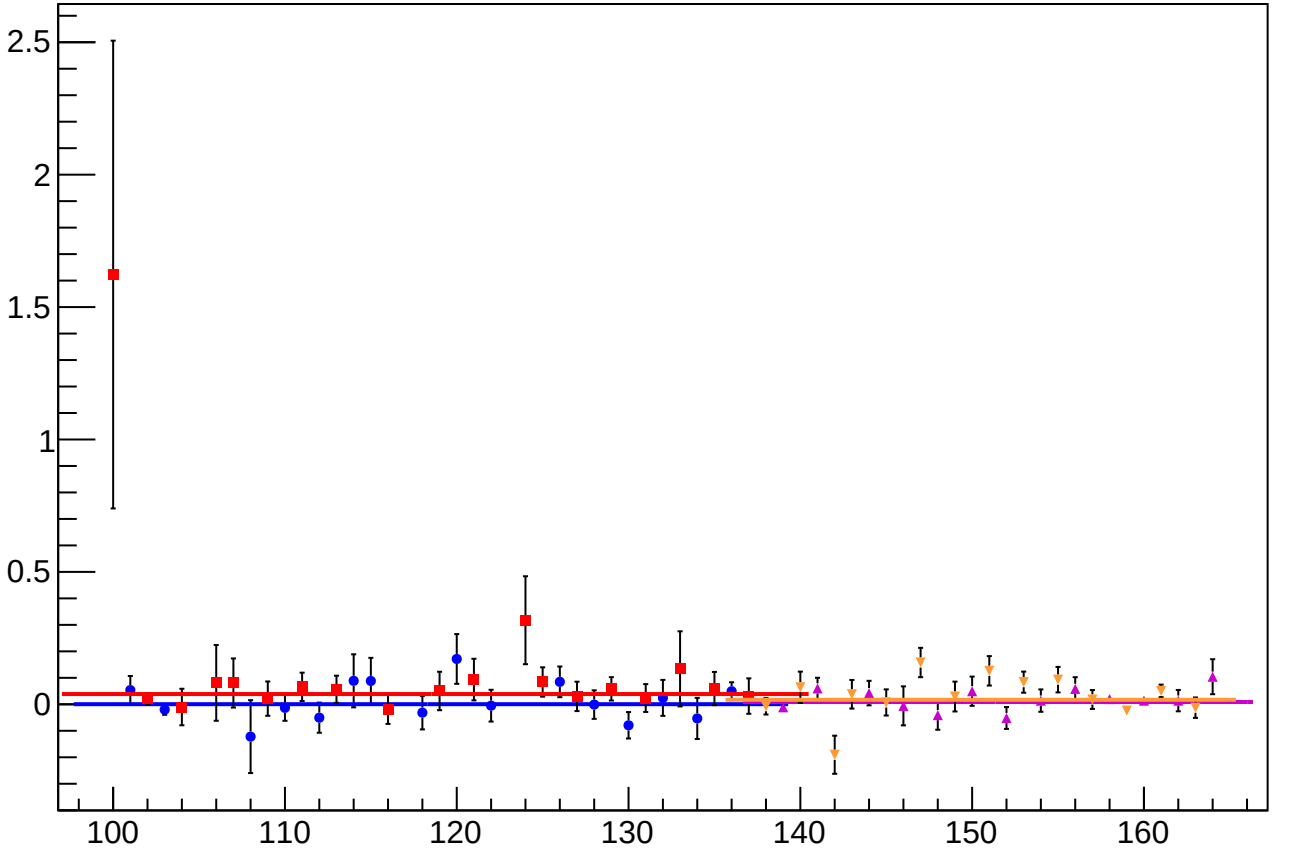
Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

\+ sign 27.073+/-0.005 χ^2/NDF: 5986875.7/29

All: 24.837+/-0.004 χ^2/NDF: 14817781.6/61

\- 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: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

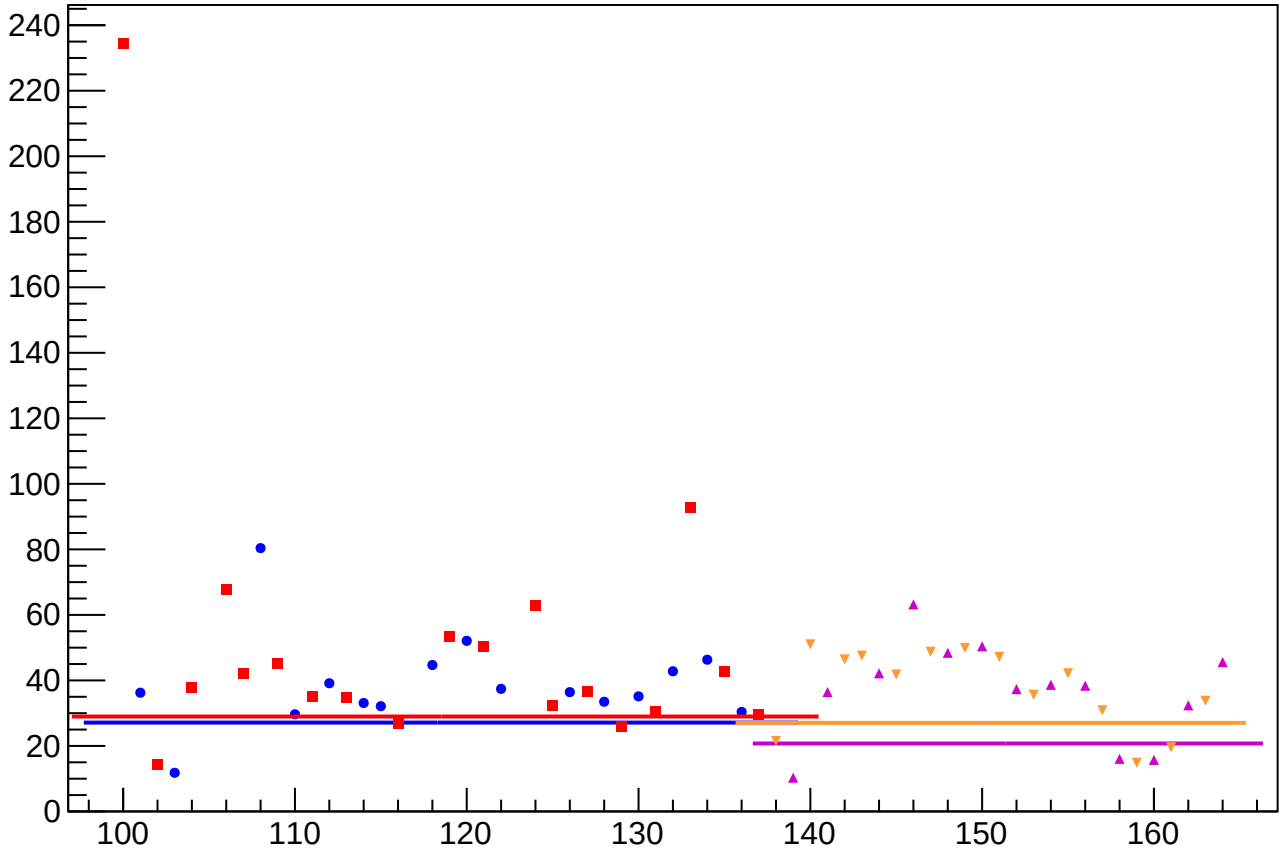
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 79.2/61

- 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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

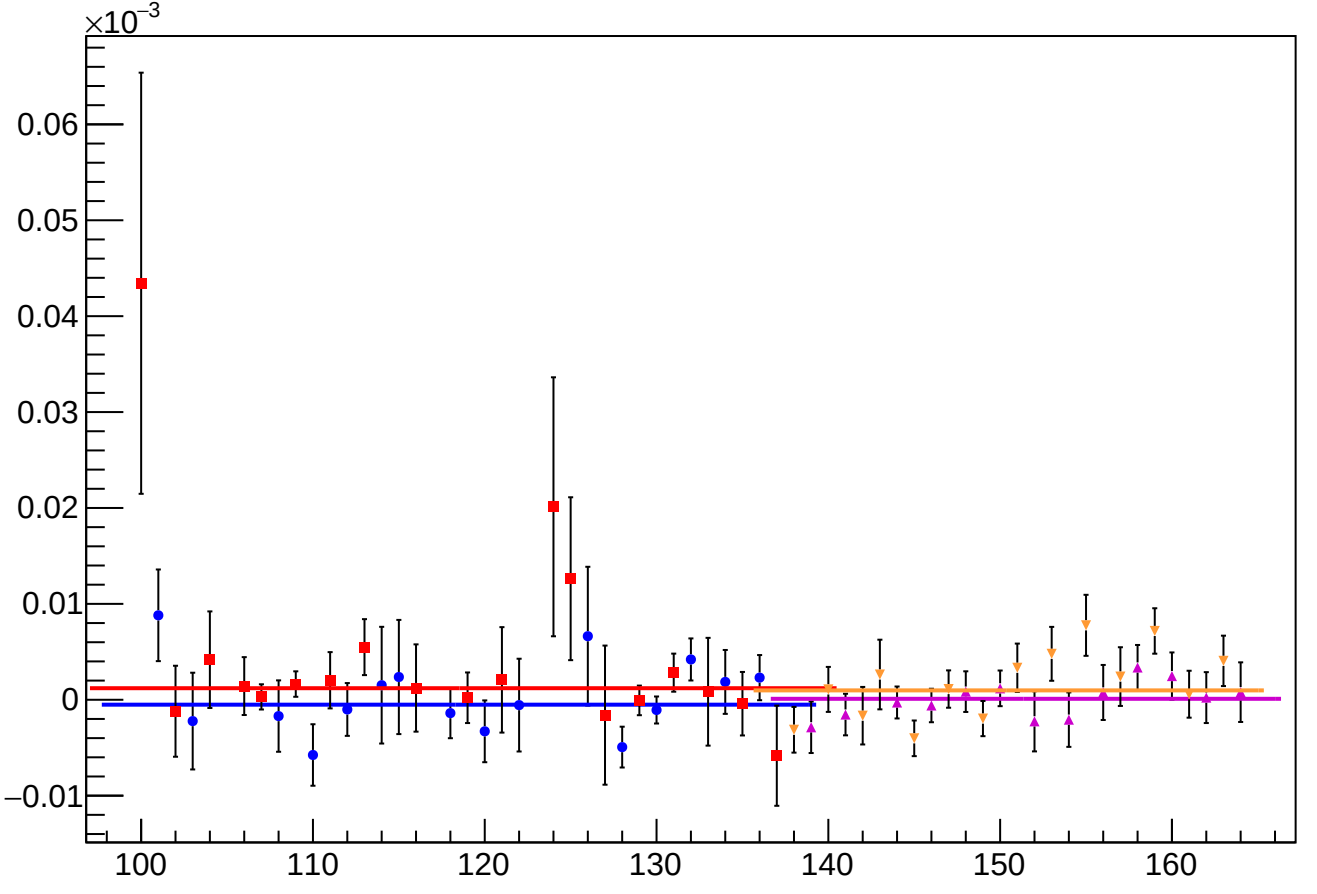
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

\+ sign 27.073+/-0.005 χ^2/NDF: 5986875.7/29

All: 24.837+/-0.004 χ^2/NDF: 14817781.6/61

\- 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:29.5/13

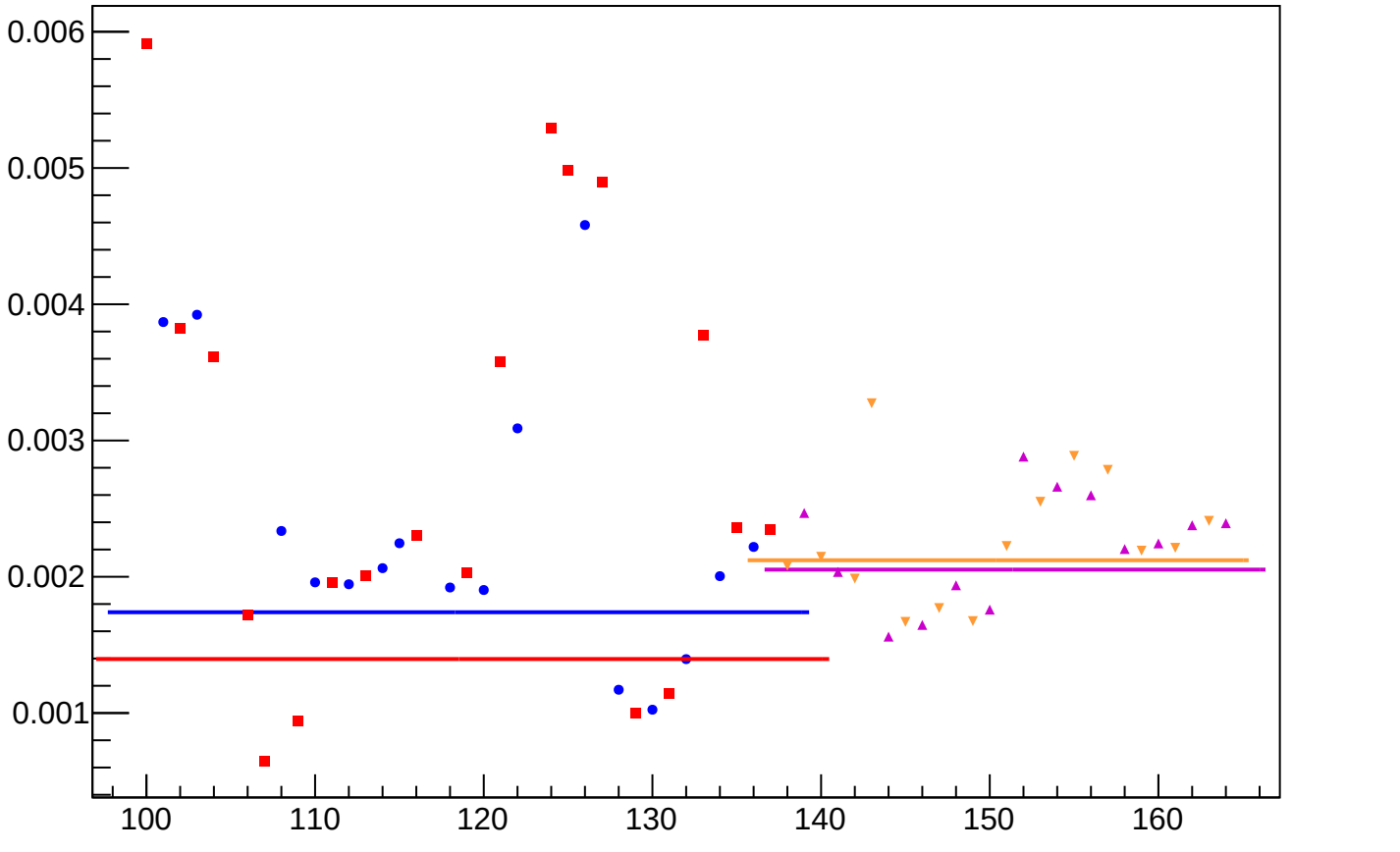
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/29

All: 0.000+/-0.000 χ^2/NDF: 74.9/61

- sign 0.000+/-0.000 χ^2/NDF: 22.8/31



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:797190.6/13

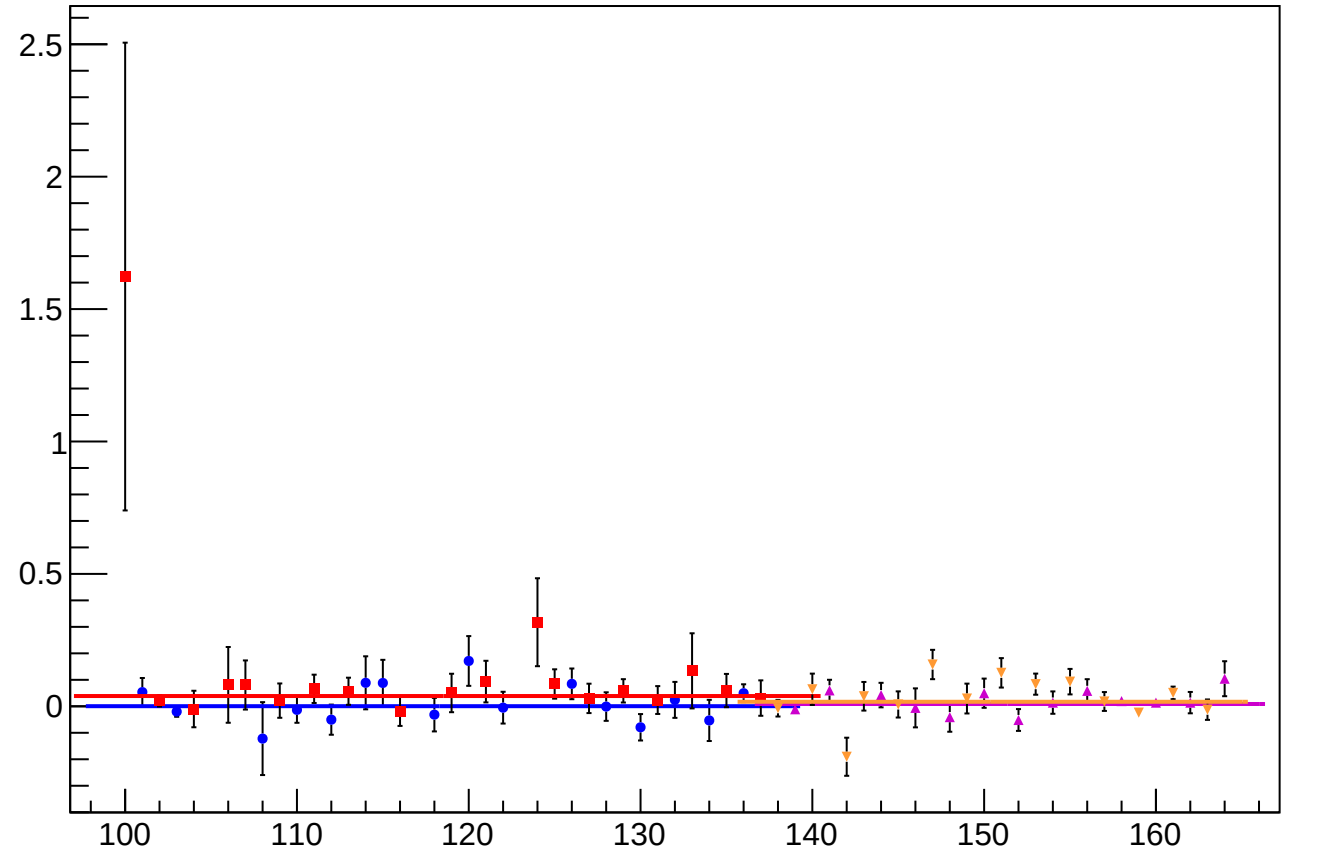
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:764856.0/12

+ sign 0.002+/-0.000 χ^2/NDF: 3255523.8/29

All: 0.002+/-0.000 χ^2/NDF: 9716607.7/61

- sign 0.002+/-0.000 χ^2/NDF: 6197922.4/31



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

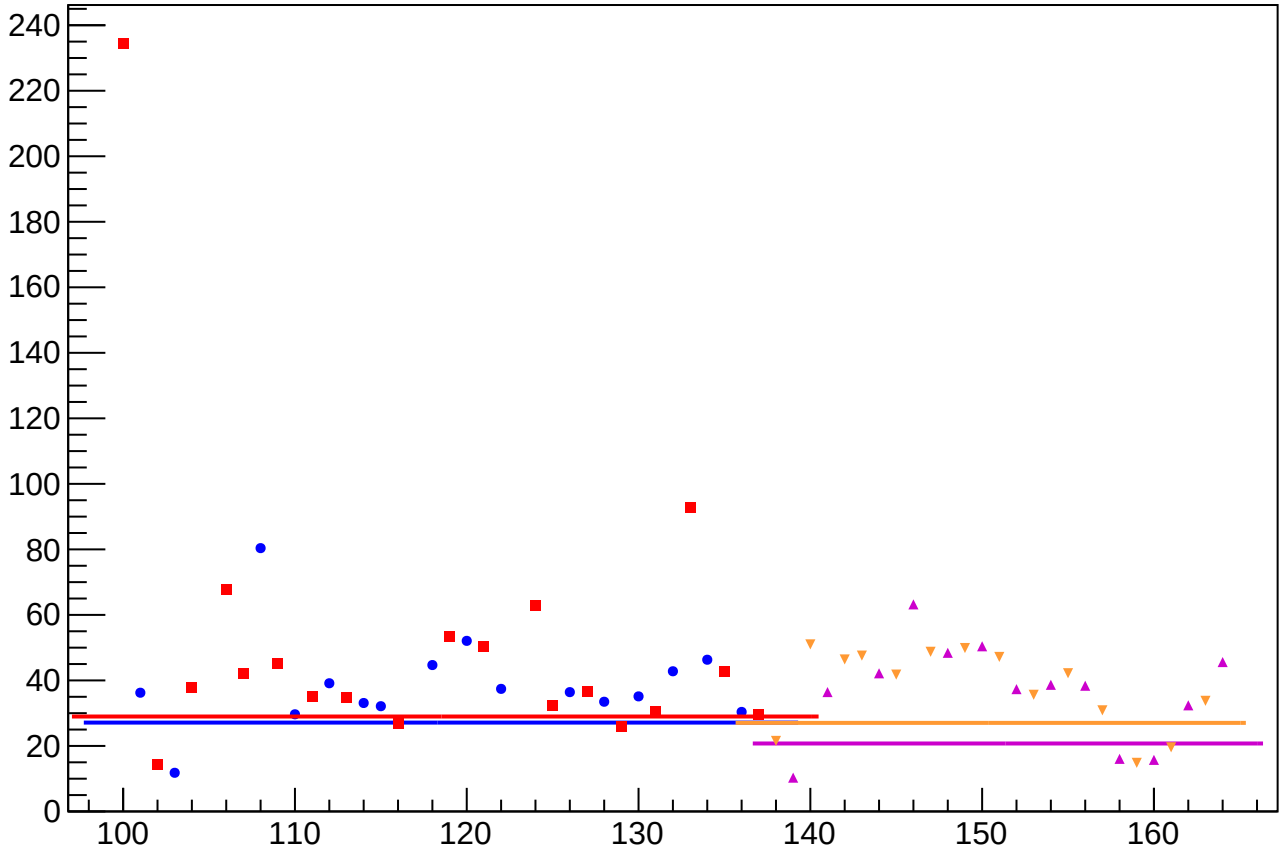
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 79.2/61

- 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: 27.038+/-0.007 χ^2/NDF:3571923.1/13

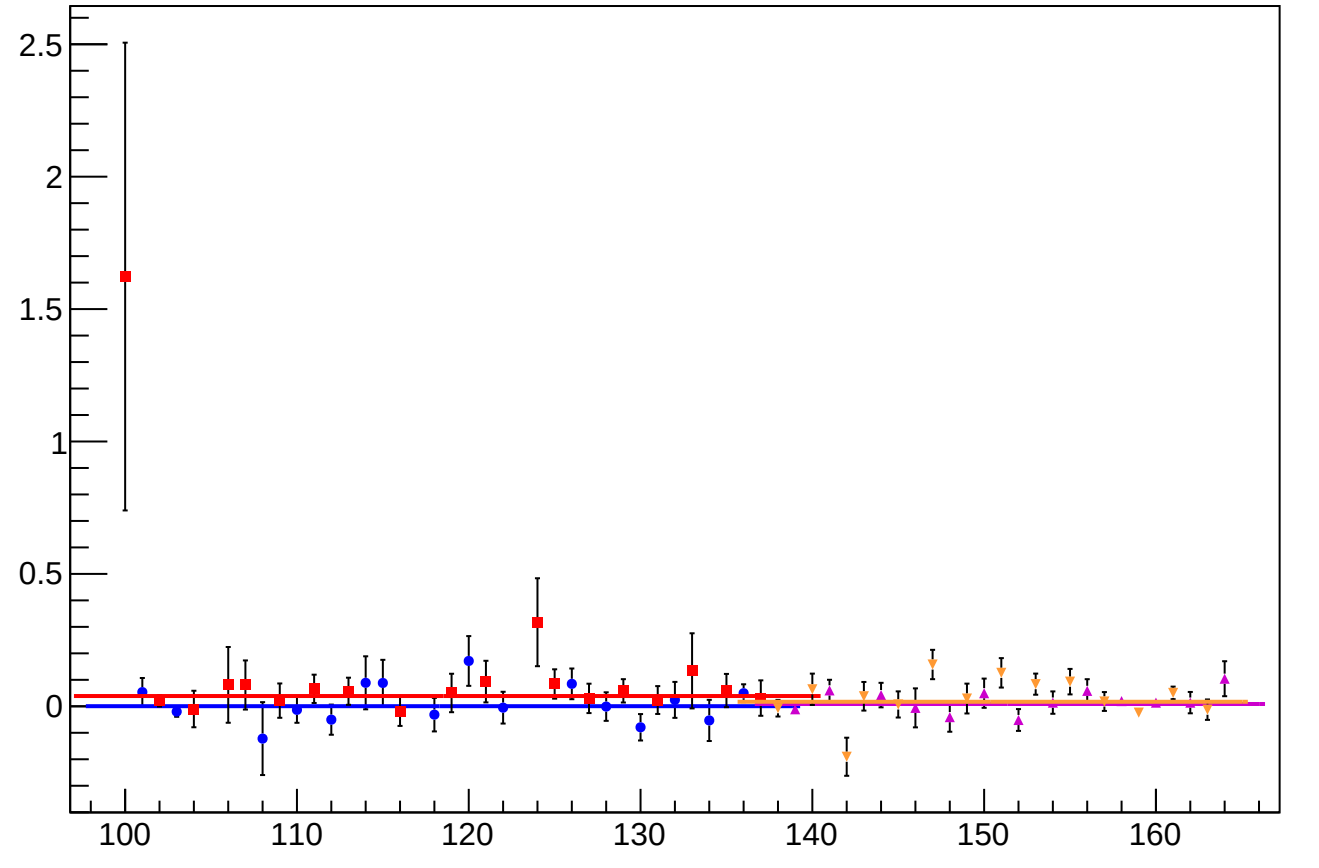
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

+ sign 27.072+/-0.005 χ^2/NDF: 5987643.0/29

All: 24.836+/-0.004 χ^2/NDF: 14819247.5/61

- 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: 0.017+/-0.009 χ^2/NDF:34.2/13

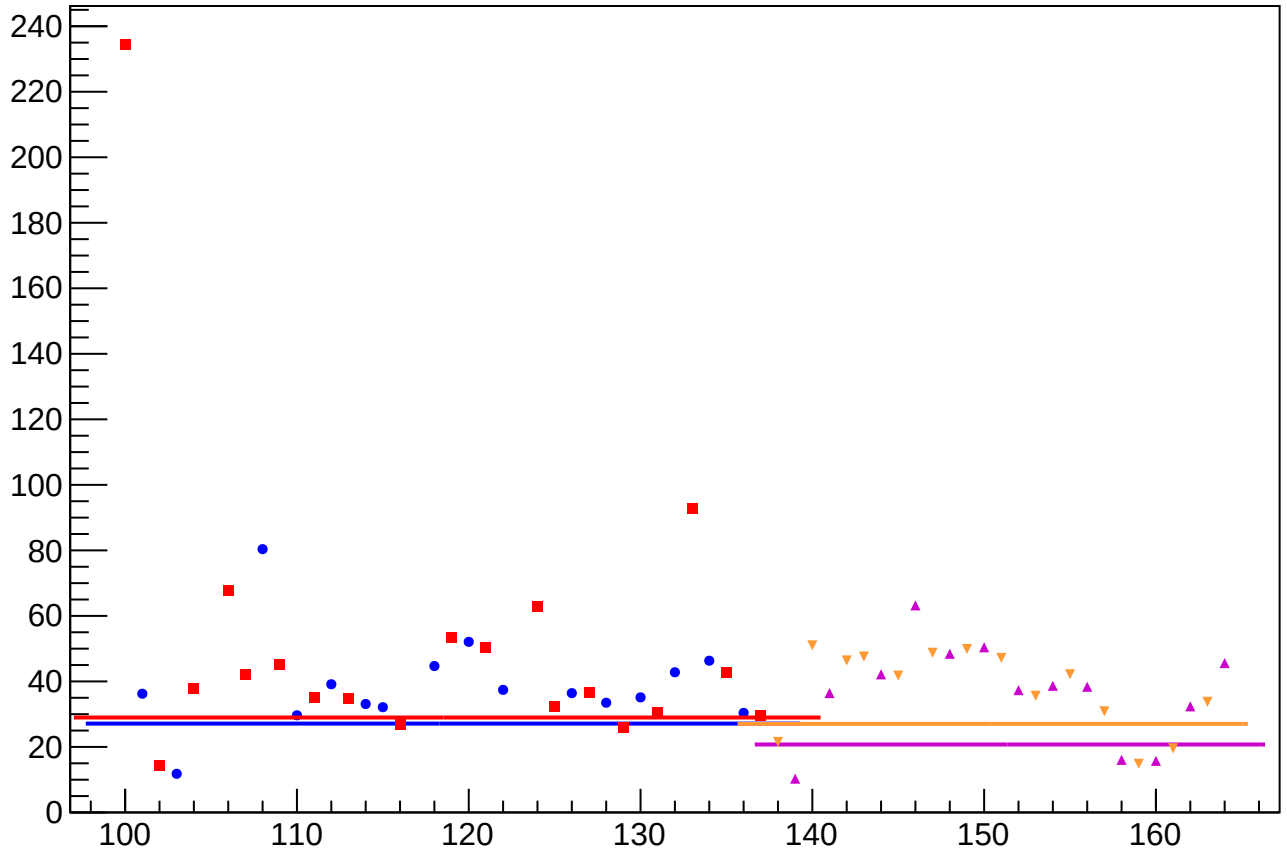
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 79.2/61

- 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: 27.038+/-0.007 χ^2/NDF:3571923.1/13

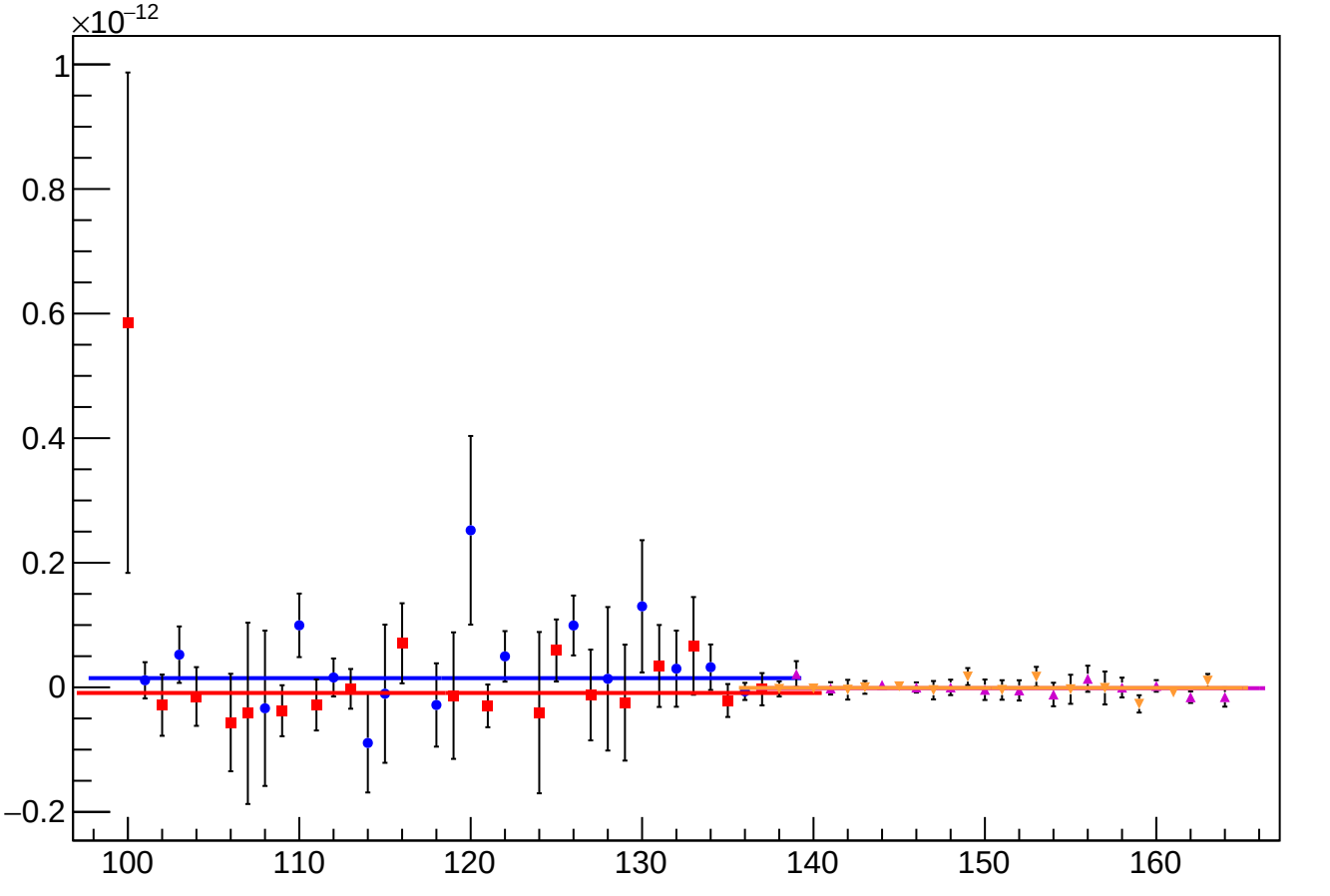
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

+ sign 27.072+/-0.005 χ^2/NDF: 5987643.0/29

All: 24.836+/-0.004 χ^2/NDF: 14819247.5/61

- sign 23.038+/-0.005 χ^2/NDF: 8504863.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/13

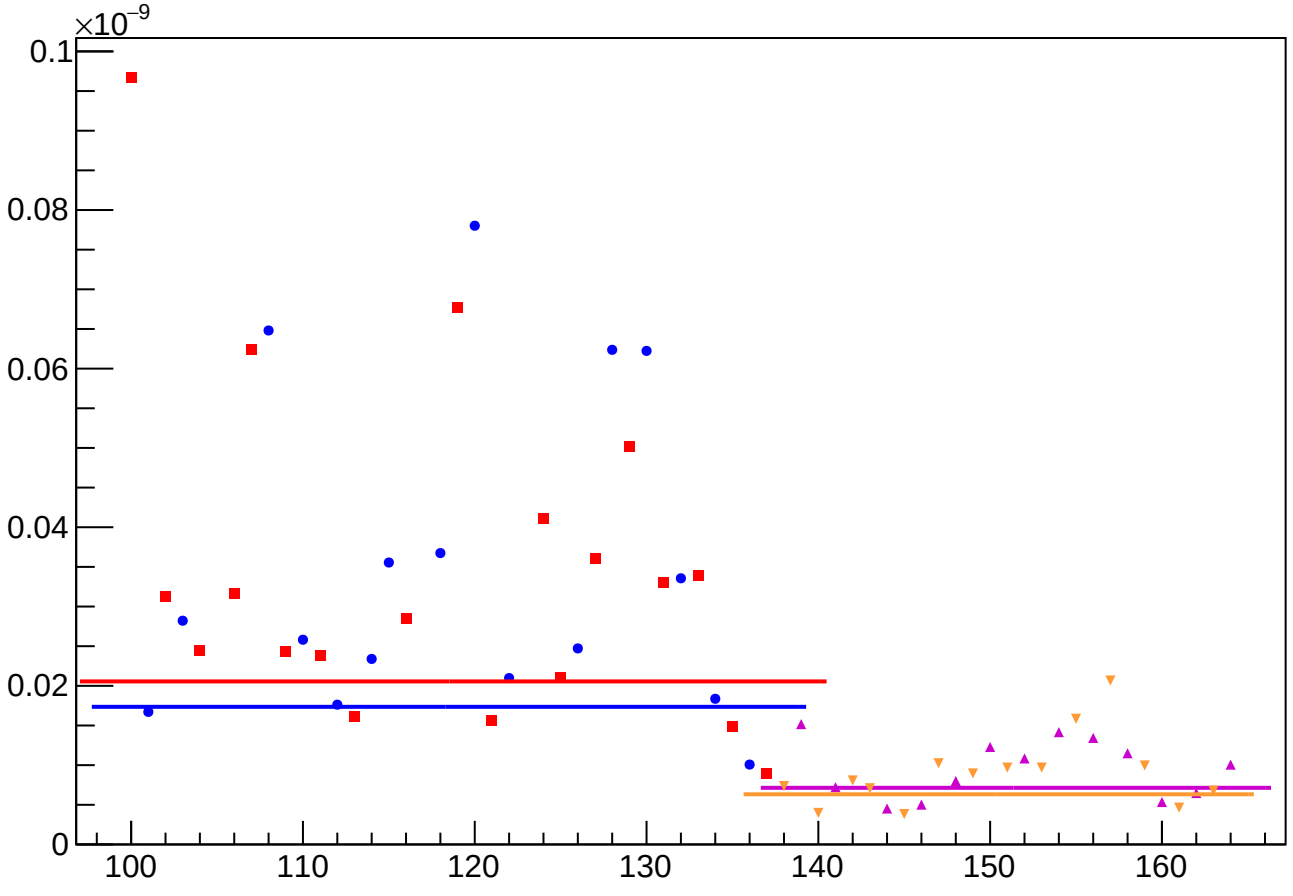
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/29

All: -0.000+/-0.000 χ^2/NDF: 43.3/61

- 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:2151982.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

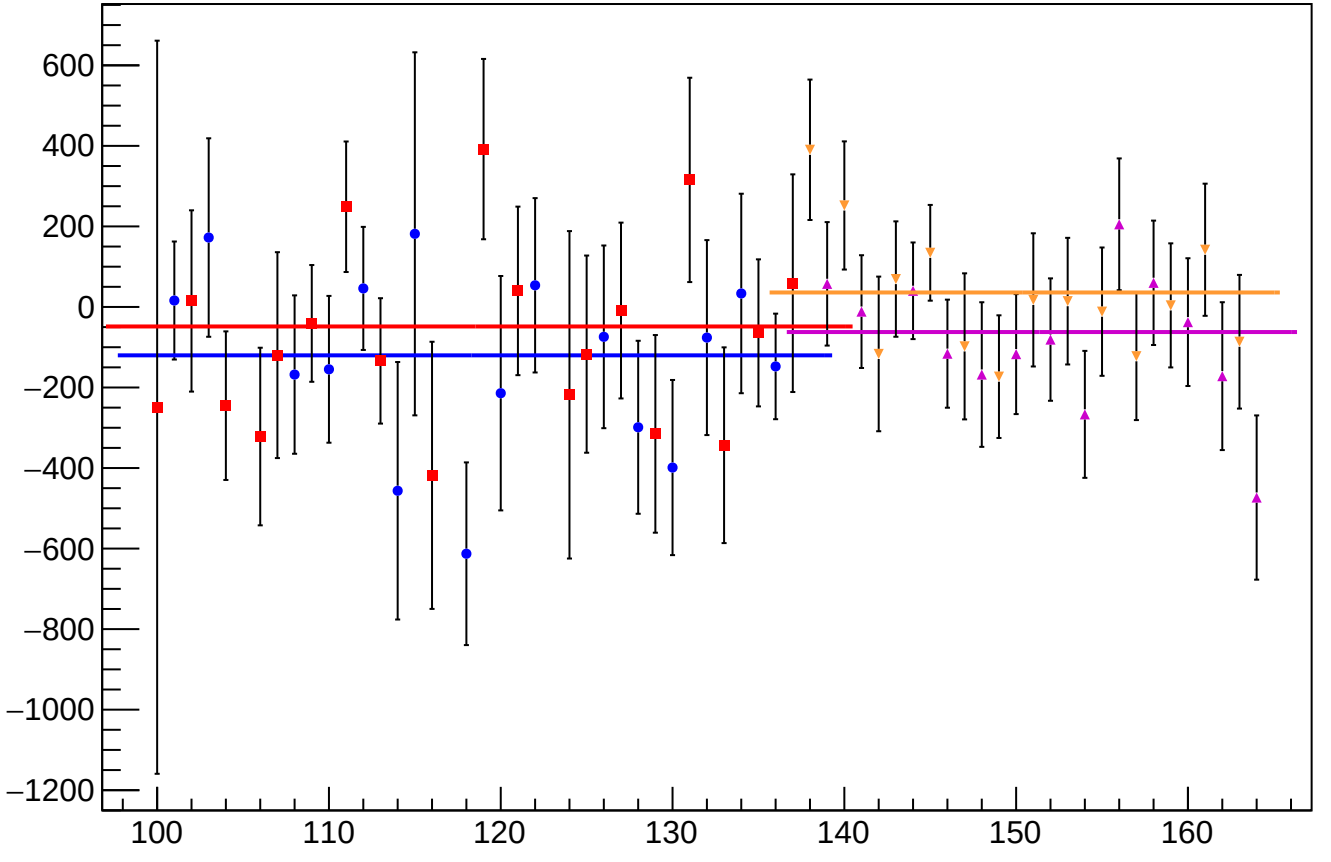
Left In: 0.000+/-0.000 χ^2/NDF:1825940.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 7082060.8/29

All: 0.000+/-0.000 χ^2/NDF: 13763554.8/61

- 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: 35.952+/-42.099 χ^2/NDF:11.9/13

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

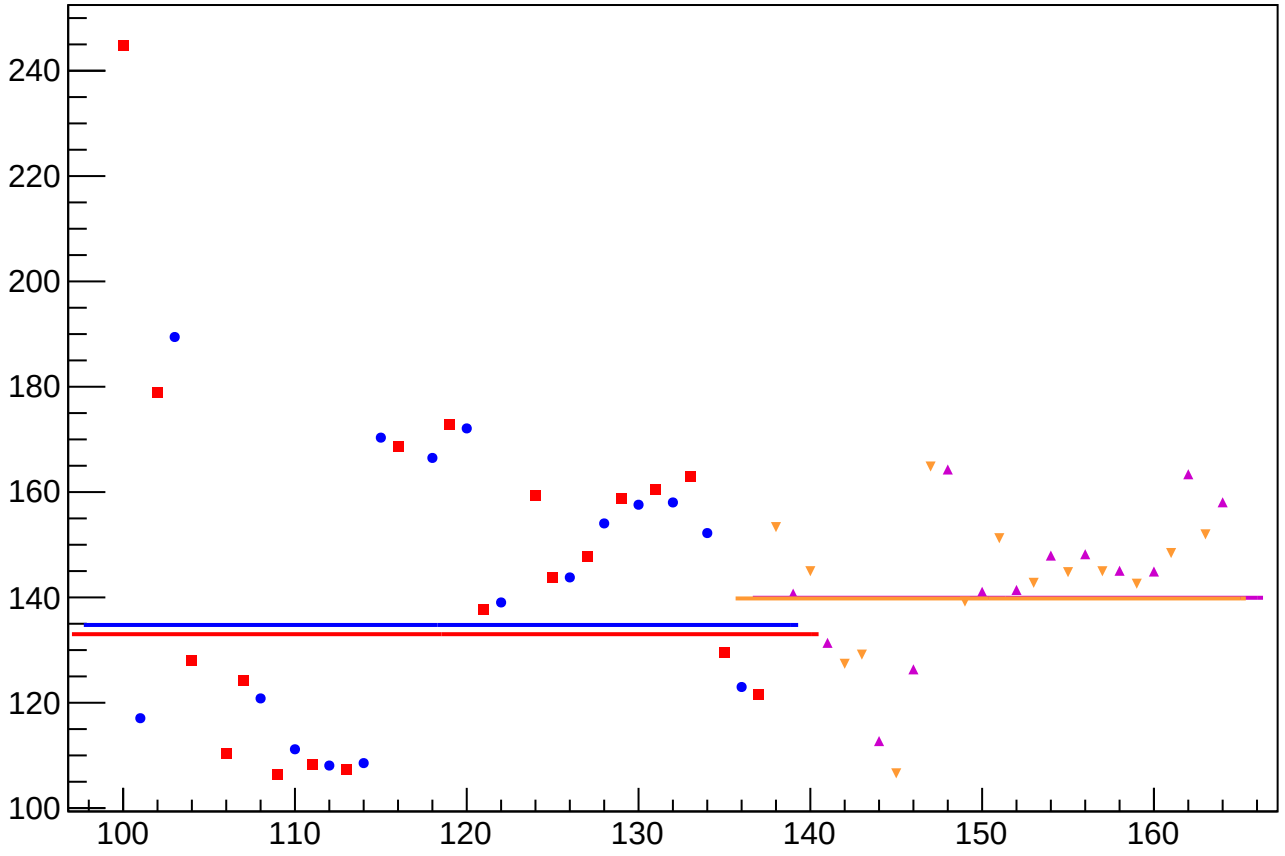
Left In: -62.300+/-42.605 χ^2/NDF:11.5/12

+ sign -27.161+/-32.493 χ^2/NDF: 30.9/29

All: -41.851+/-22.944 χ^2/NDF: 59.9/61

- 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: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

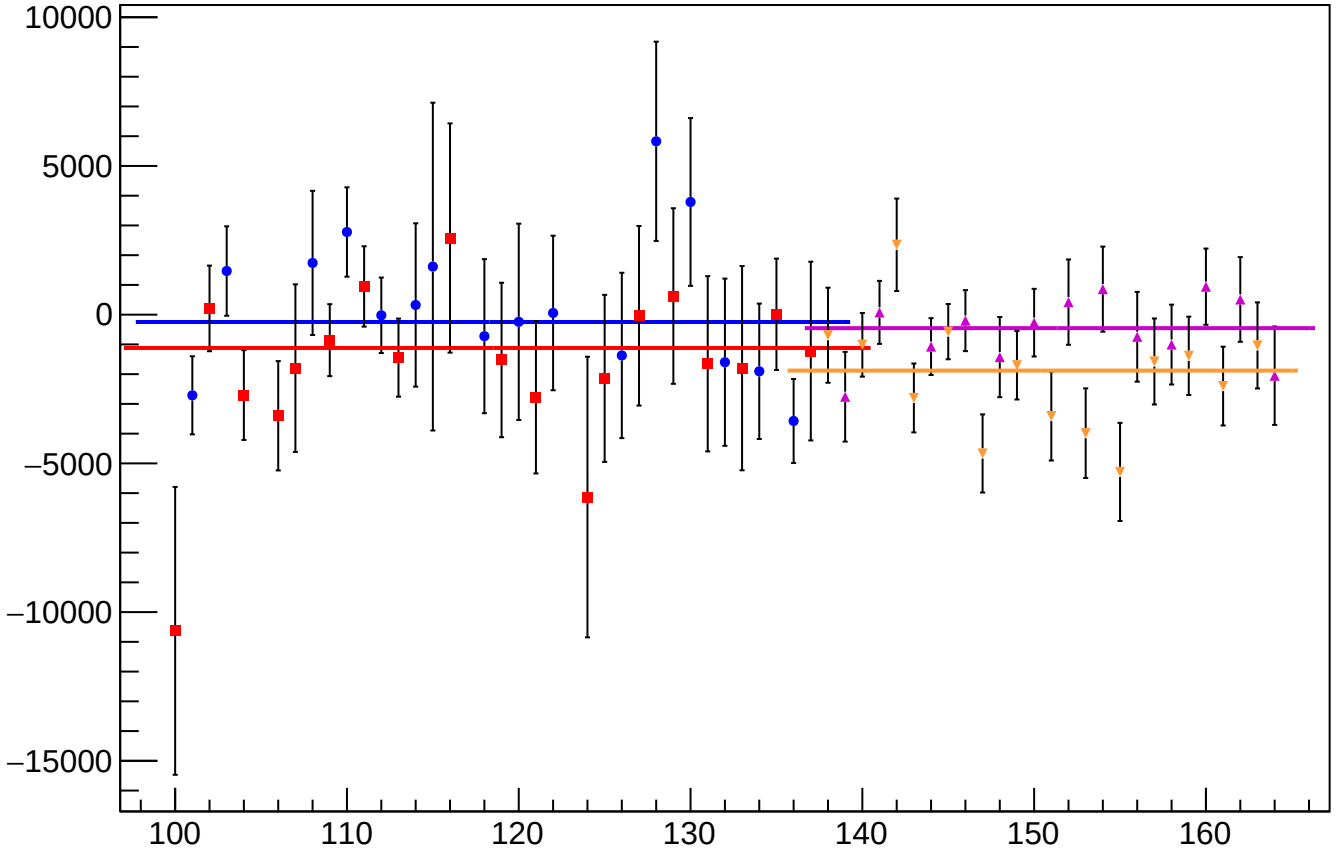
Left In: 139.934+/-0.030 χ^2/NDF:230904.2/12

\+ sign 137.769+/-0.023 χ^2/NDF: 687440.4/29

All: 137.393+/-0.016 χ^2/NDF: 1436799.8/61

\- 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: -1880.102+/-347.598 χ^2/NDF:23.7/13

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

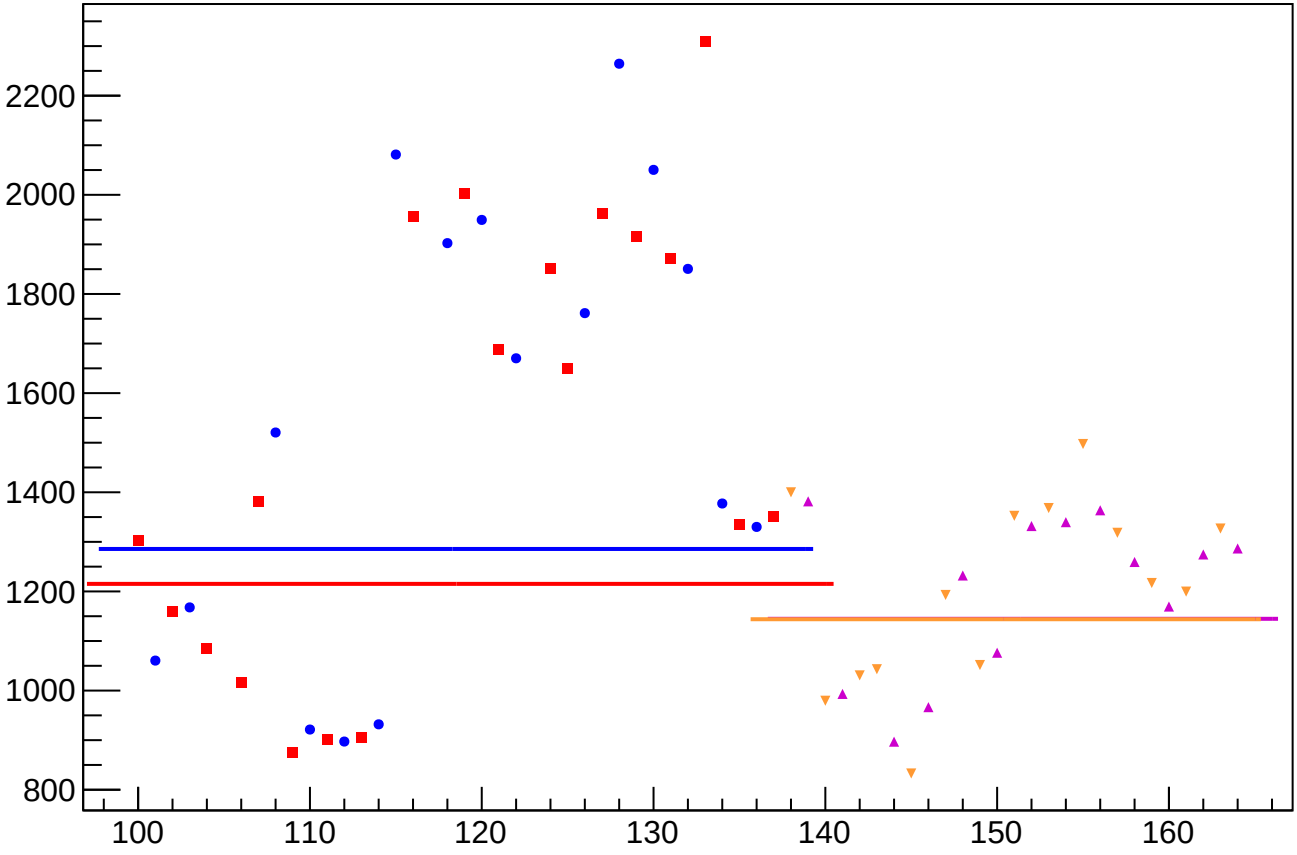
Left In: -452.878+/-350.525 χ^2/NDF:7.6/12

+ sign -1349.810+/-285.668 χ^2/NDF: 52.5/29

All: -1015.147+/-200.197 χ^2/NDF: 77.5/61

- 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: 1143.926+/-0.246 χ^2/NDF:609979.7/13

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

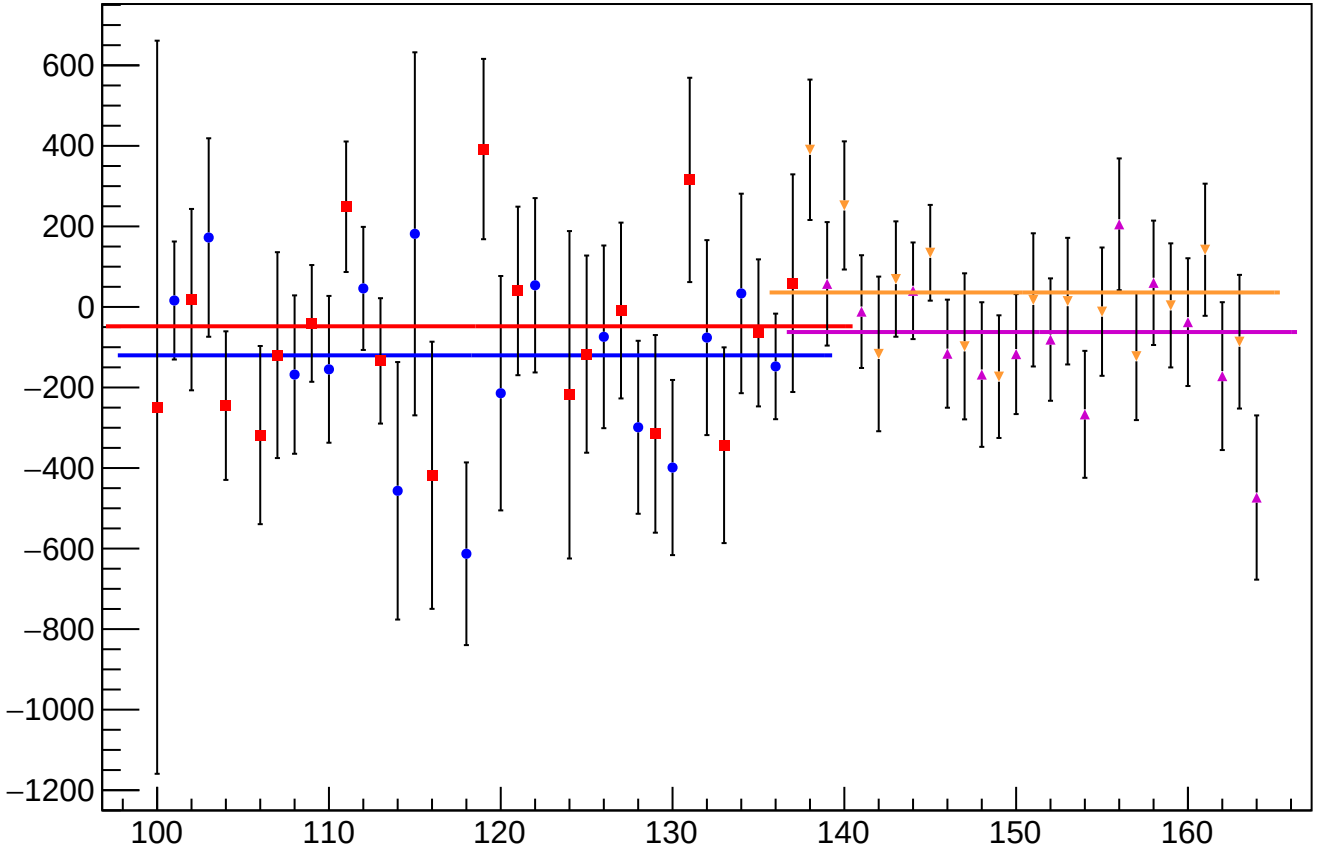
Left In: 1144.782+/-0.248 χ^2/NDF:460891.3/12

+ sign 1189.933+/-0.202 χ^2/NDF: 1888363.4/29

All: 1179.827+/-0.142 χ^2/NDF: 3769470.0/61

- 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: 35.958+/-42.099 χ^2/NDF:11.9/13

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

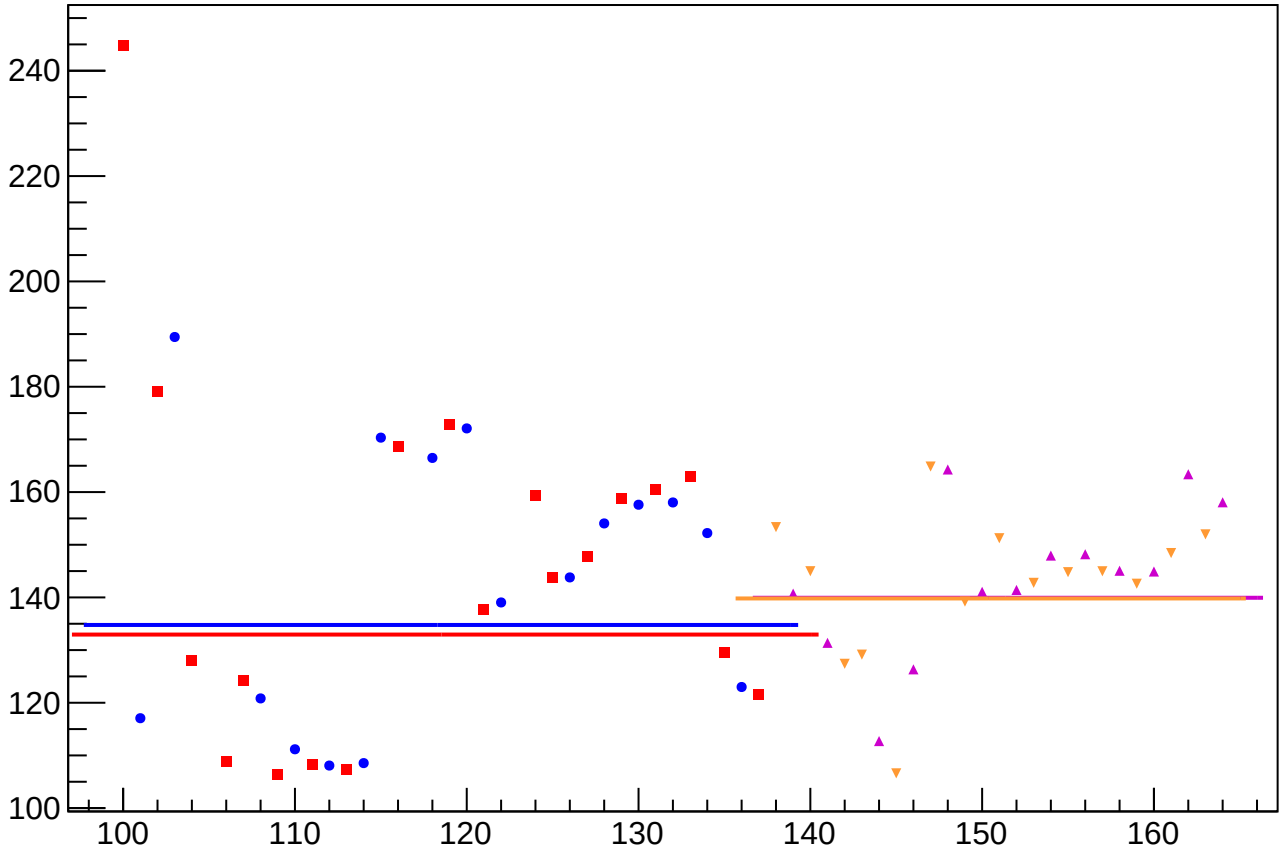
Left In: -62.302+/-42.605 χ^2/NDF:11.5/12

+ sign -27.162+/-32.493 χ^2/NDF: 30.9/29

All: -41.760+/-22.945 χ^2/NDF: 59.8/61

- 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: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

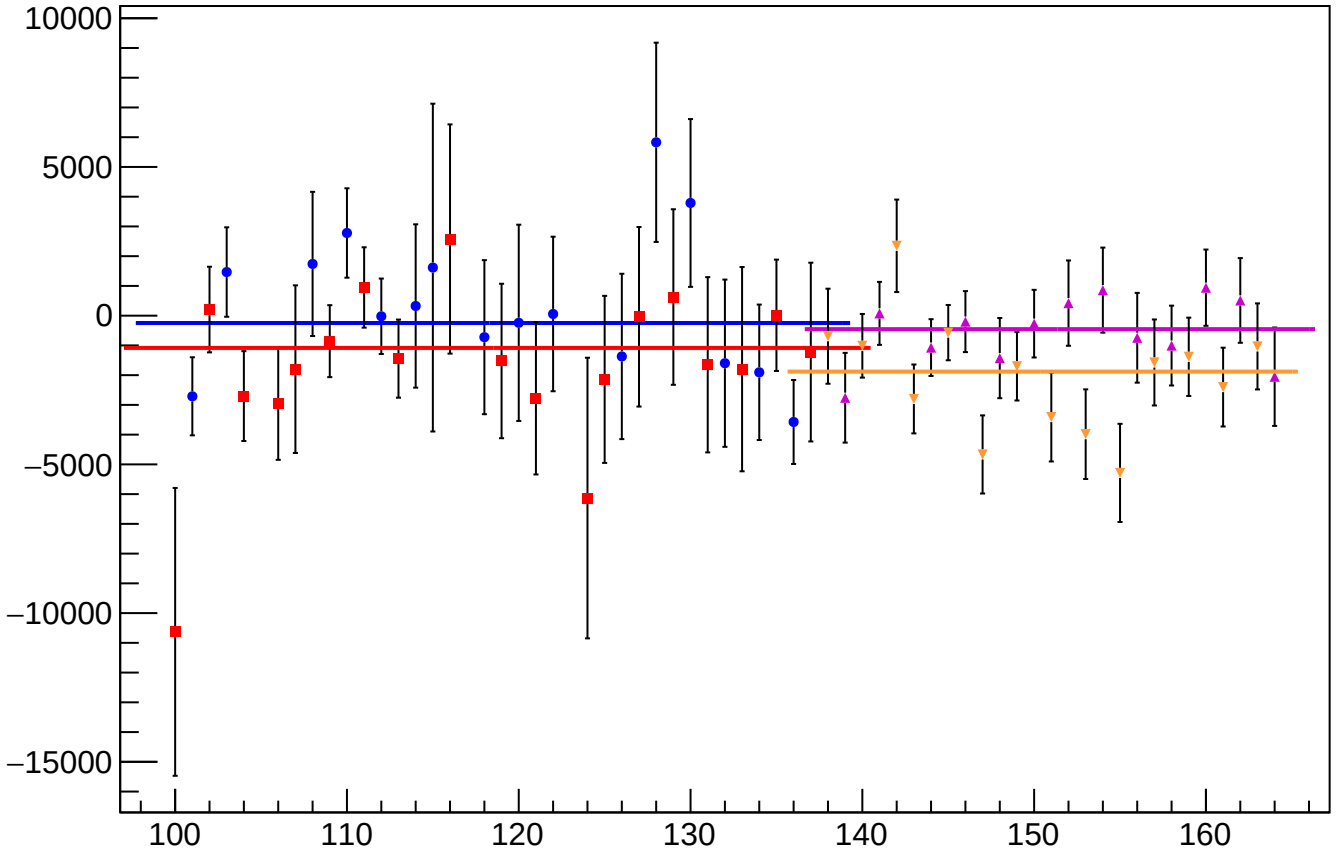
Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

\+ sign 137.769+/-0.023 χ^2/NDF: 687443.3/29

All: 137.378+/-0.016 χ^2/NDF: 1440442.2/61

\- 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: -1880.095+/-347.597 χ^2/NDF:23.7/13

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

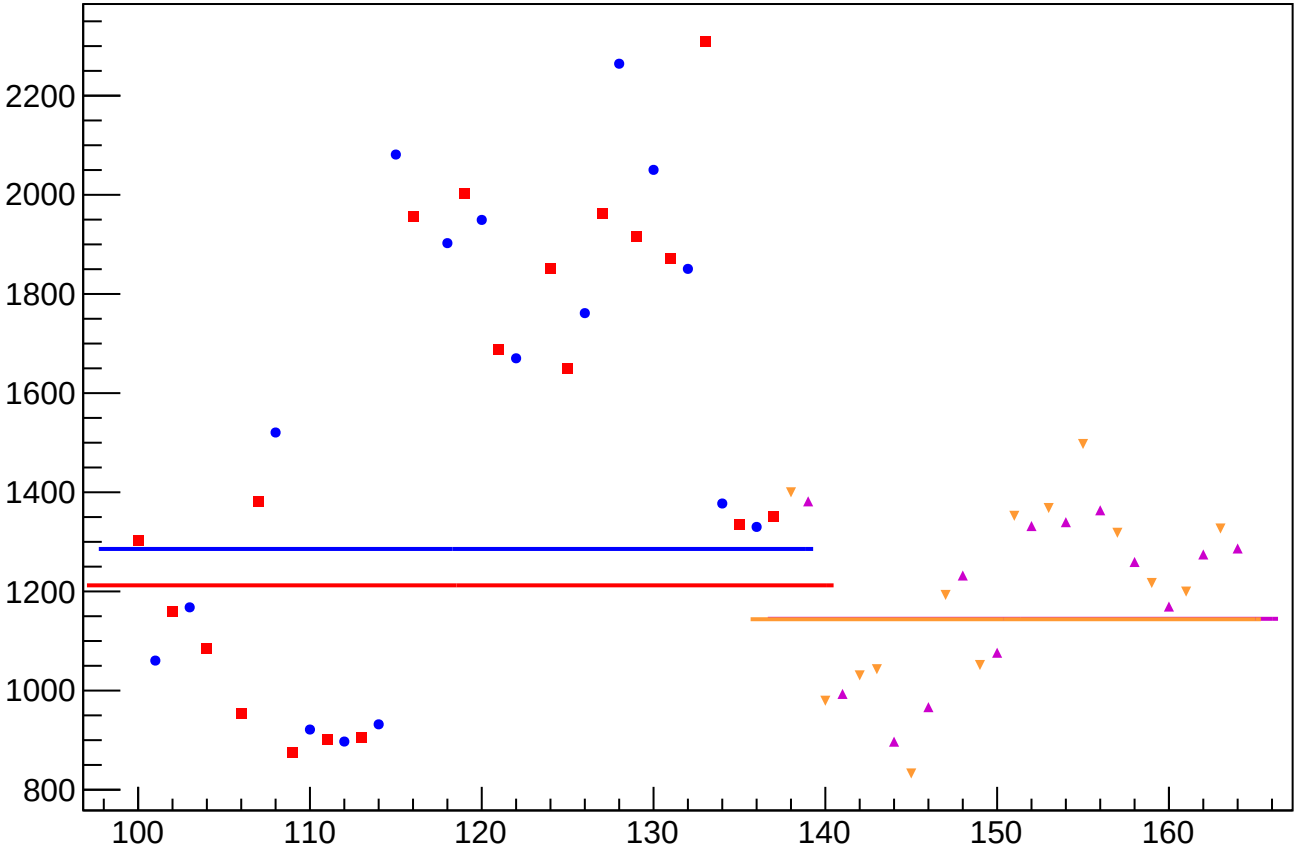
Left In: -452.886+/-350.525 χ^2/NDF:7.6/12

+ sign -1349.835+/-285.669 χ^2/NDF: 52.5/29

All: -1008.654+/-200.270 χ^2/NDF: 76.8/61

- sign -678.907+/-280.841 χ^2/NDF: 21.6/31

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

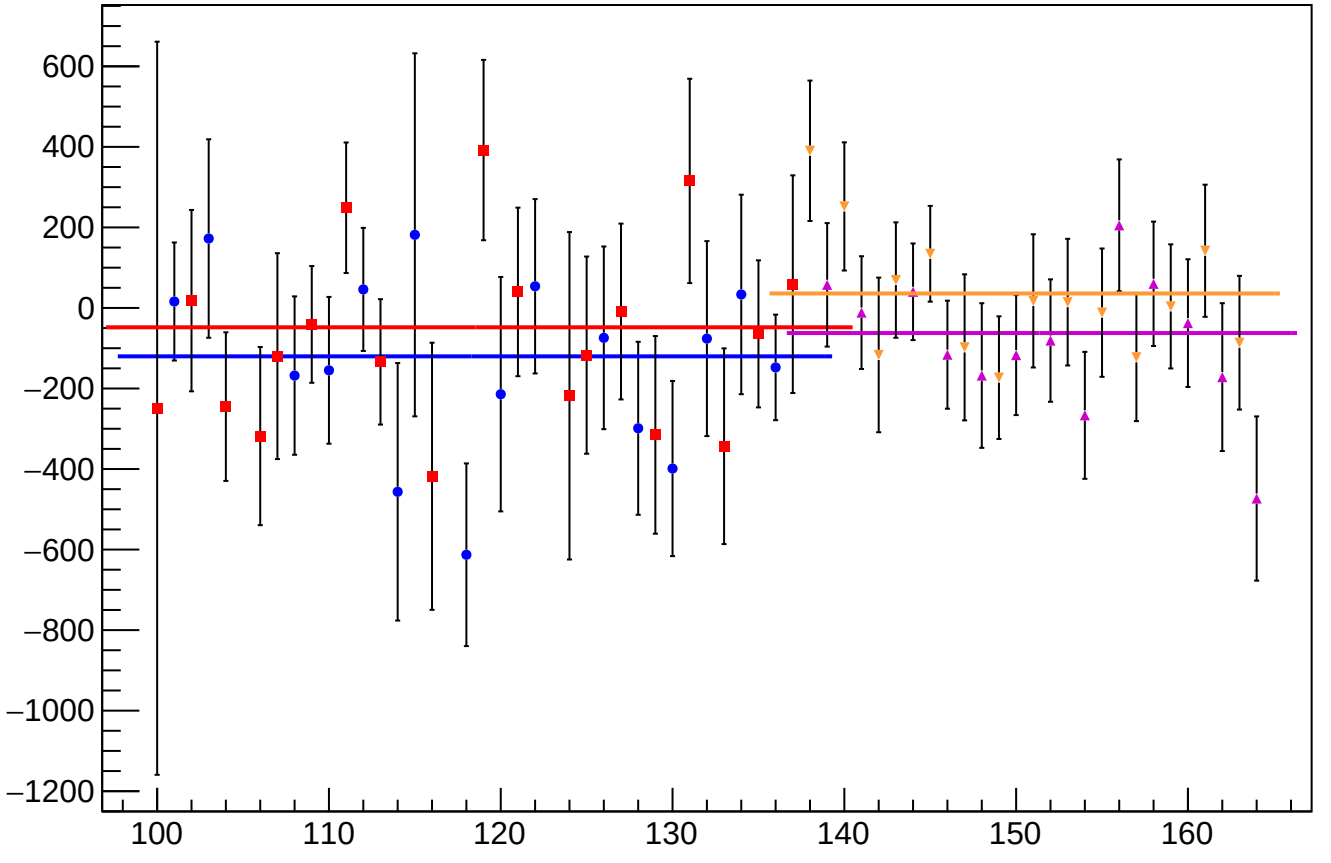
Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

+ sign 1189.937+/-0.202 χ^2/NDF: 1888360.0/29

All: 1179.265+/-0.142 χ^2/NDF: 3781925.6/61

- 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: 35.958+/-42.099 χ^2/NDF:11.9/13

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

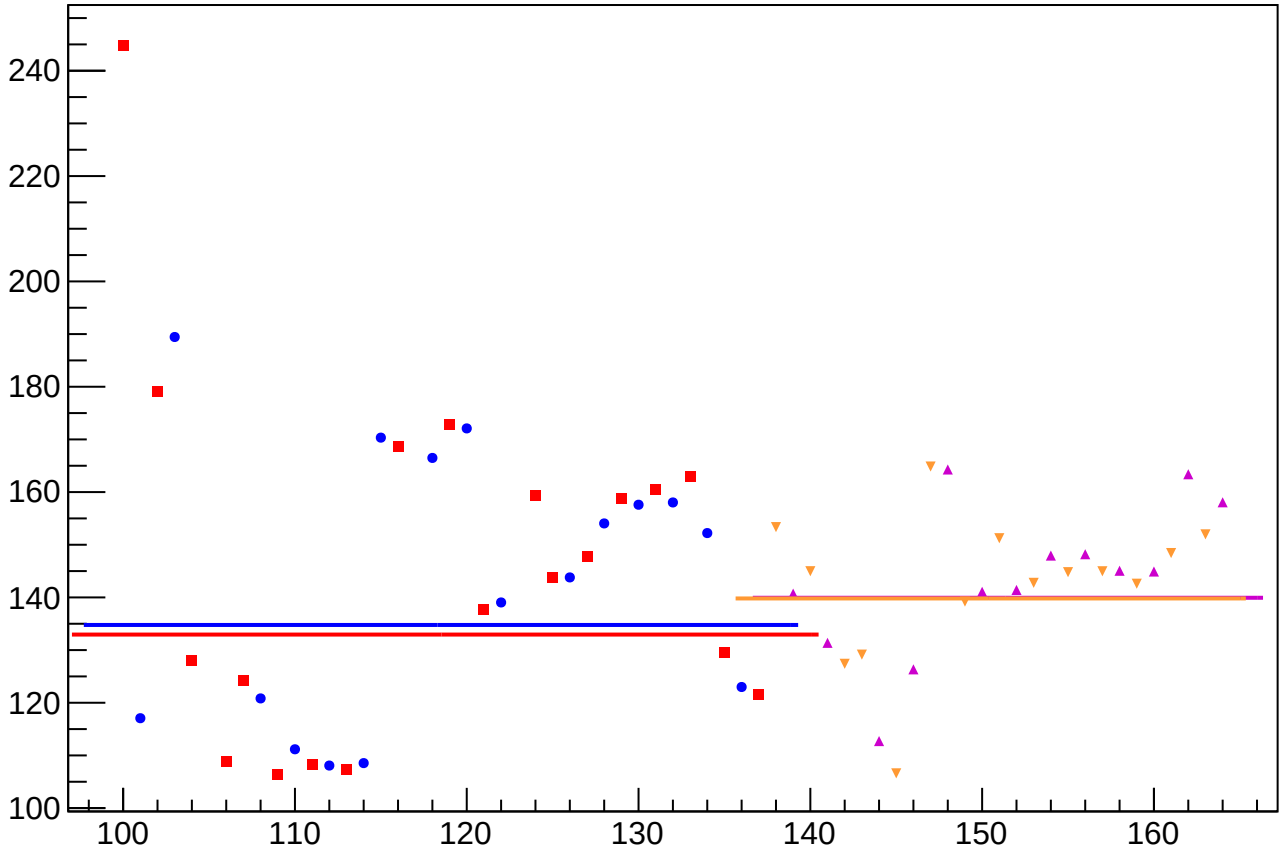
Left In: -62.302+/-42.605 χ^2/NDF:11.5/12

+ sign -27.162+/-32.493 χ^2/NDF: 30.9/29

All: -41.760+/-22.945 χ^2/NDF: 59.8/61

- 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: 139.804+/-0.030 χ^2/NDF:259107.1/13

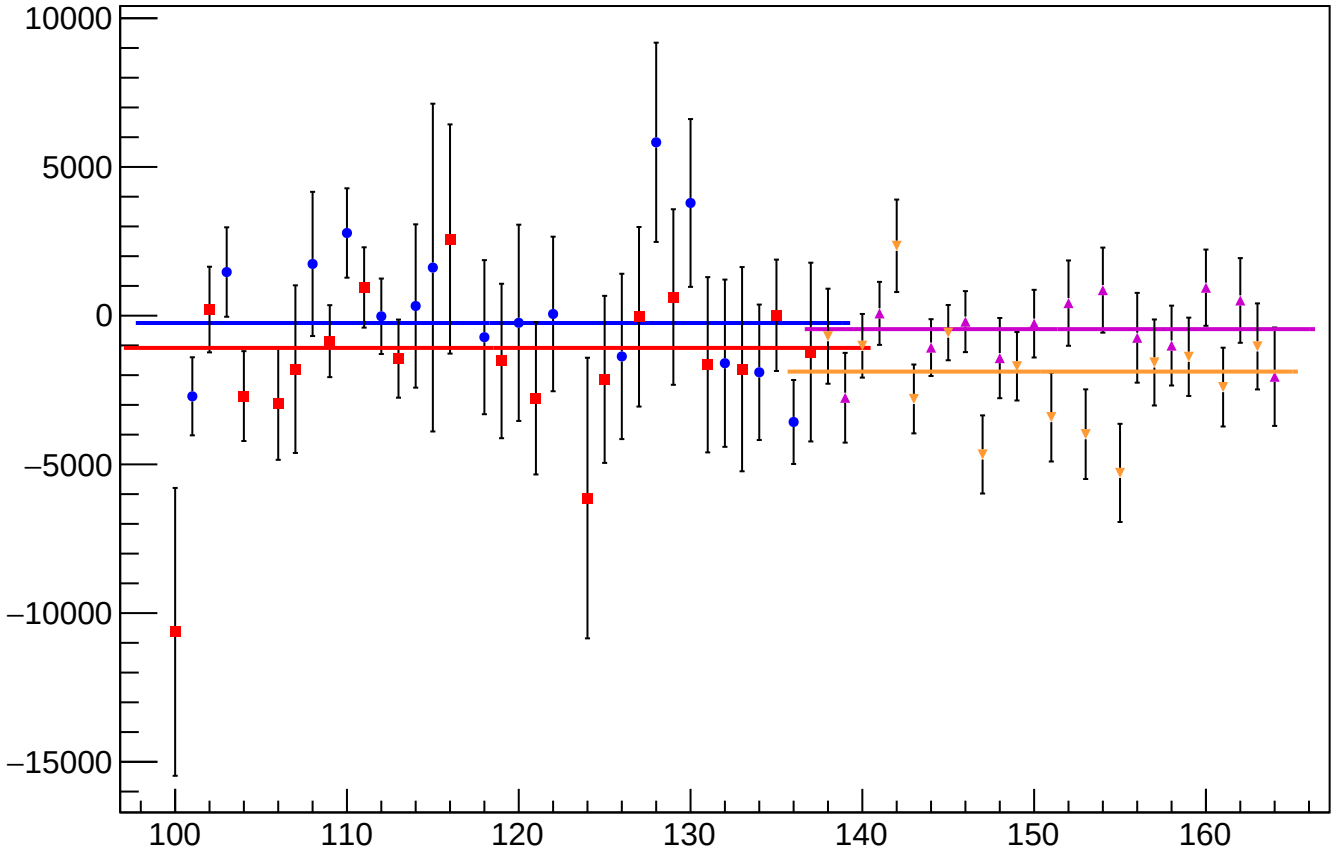
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

+ sign 137.769+/-0.023 χ^2/NDF: 687443.3/29

All: 137.378+/-0.016 χ^2/NDF: 1440442.2/61

- sign 136.989+/-0.023 χ^2/NDF: 752421.1/31



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

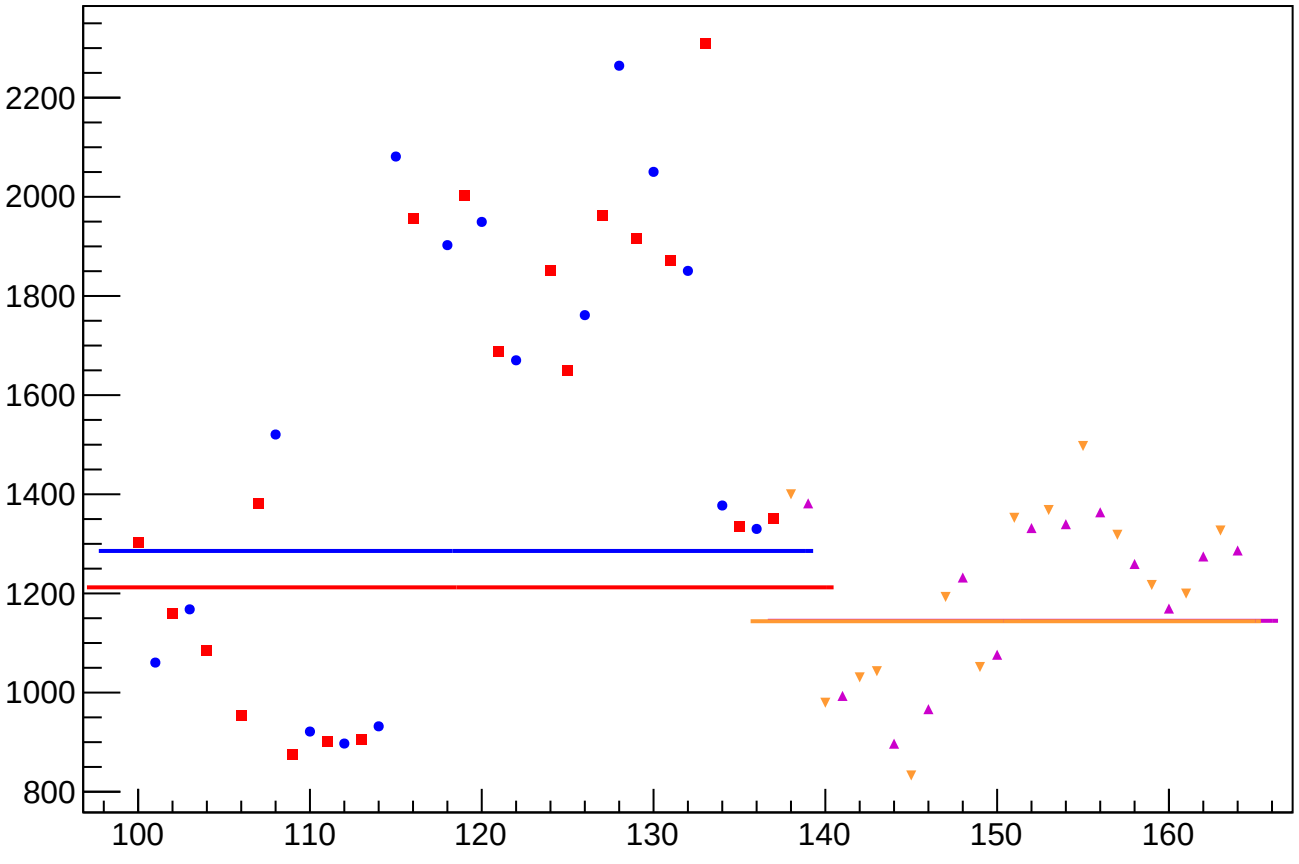
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -452.886+/-350.525 χ^2/NDF:7.6/12

+ sign -1349.835+/-285.669 χ^2/NDF: 52.5/29

All: -1008.654+/-200.270 χ^2/NDF: 76.8/61

- 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: 1143.925+/-0.246 χ^2/NDF:609981.5/13

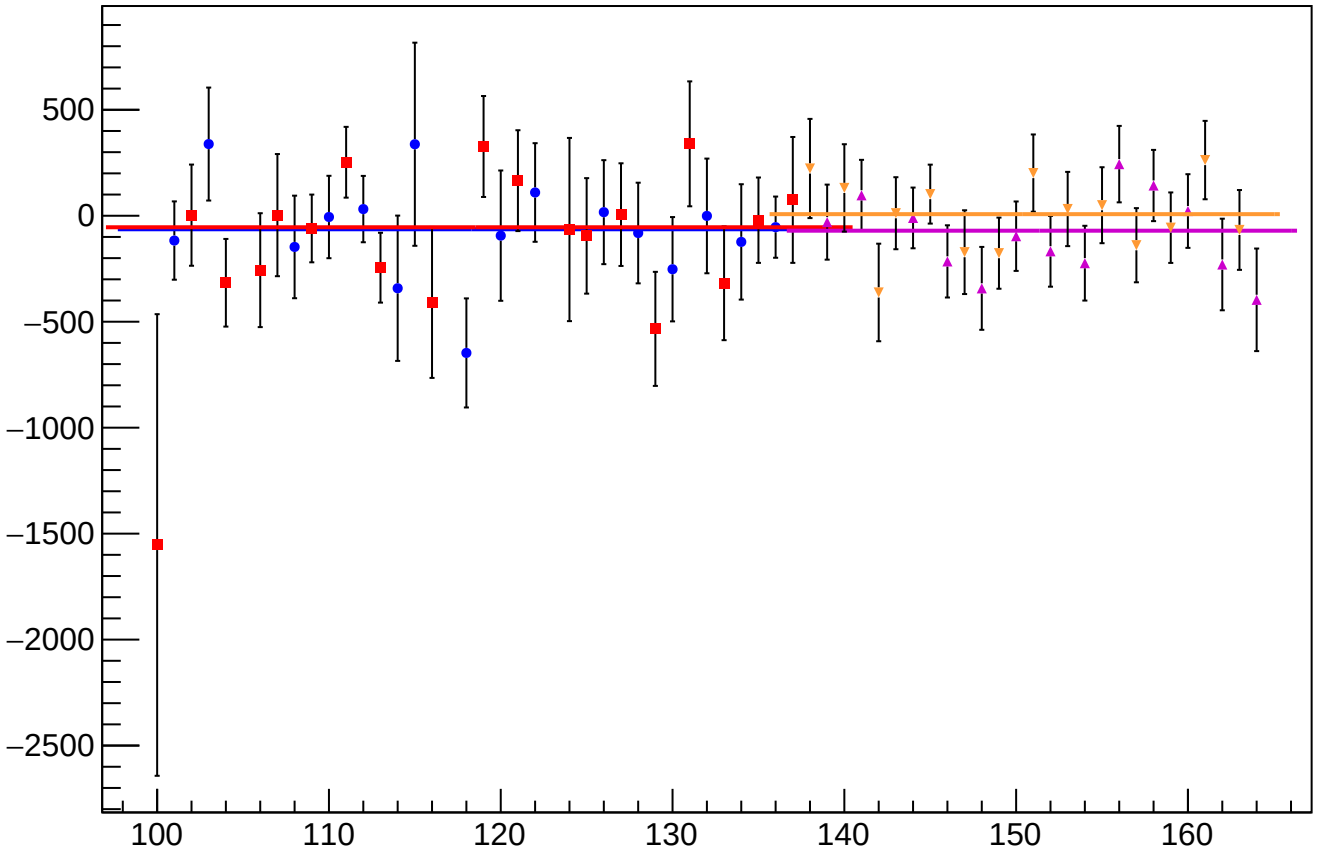
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

+ sign 1189.937+/-0.202 χ^2/NDF: 1888360.0/29

All: 1179.265+/-0.142 χ^2/NDF: 3781925.6/61

- sign 1168.950+/-0.199 χ^2/NDF: 1888076.4/31



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.536+/-48.328 χ^2/NDF:10.4/13

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

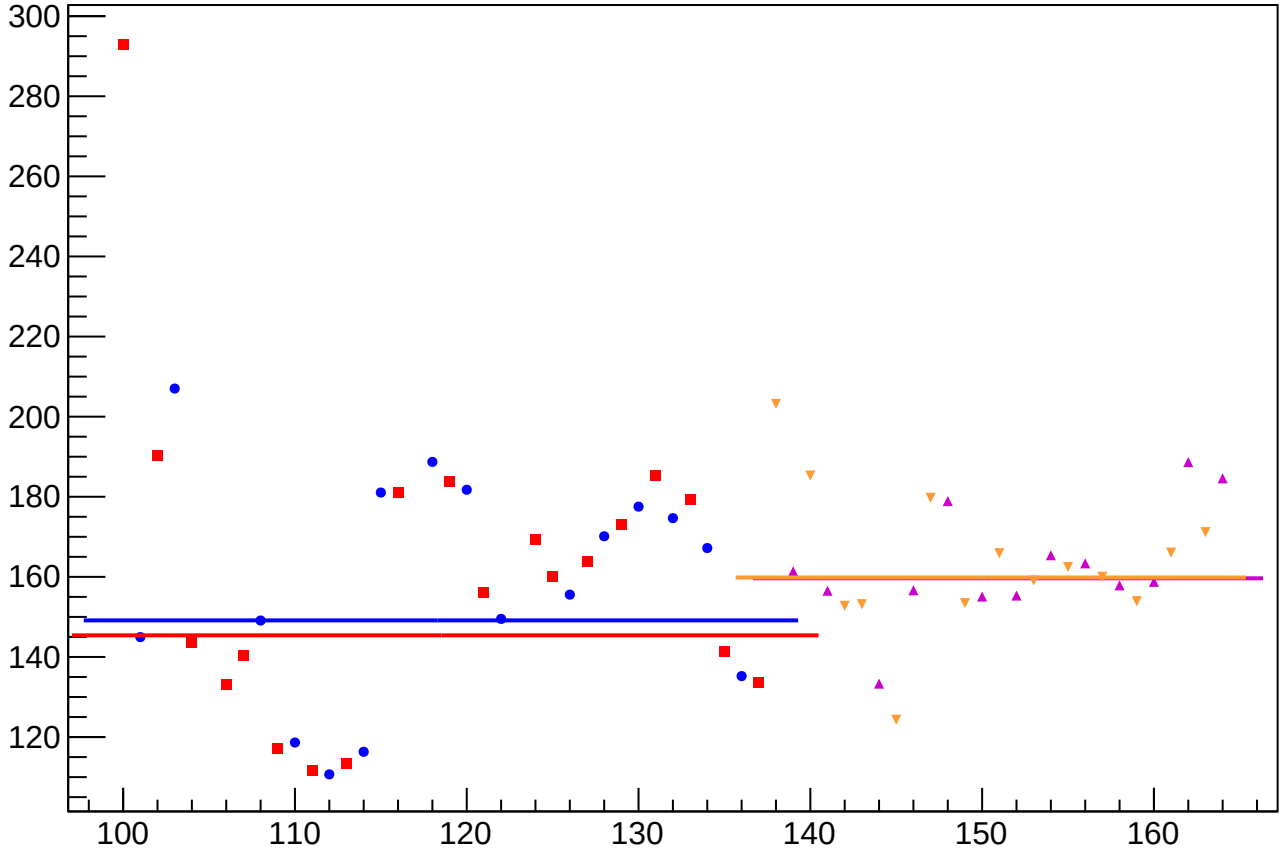
Left In: -70.517+/-48.799 χ^2/NDF:12.3/12

+ sign -22.453+/-36.789 χ^2/NDF: 22.1/29

All: -43.098+/-25.885 χ^2/NDF: 54.6/61

- 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: 159.844+/-0.034 χ^2/NDF:272305.1/13

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

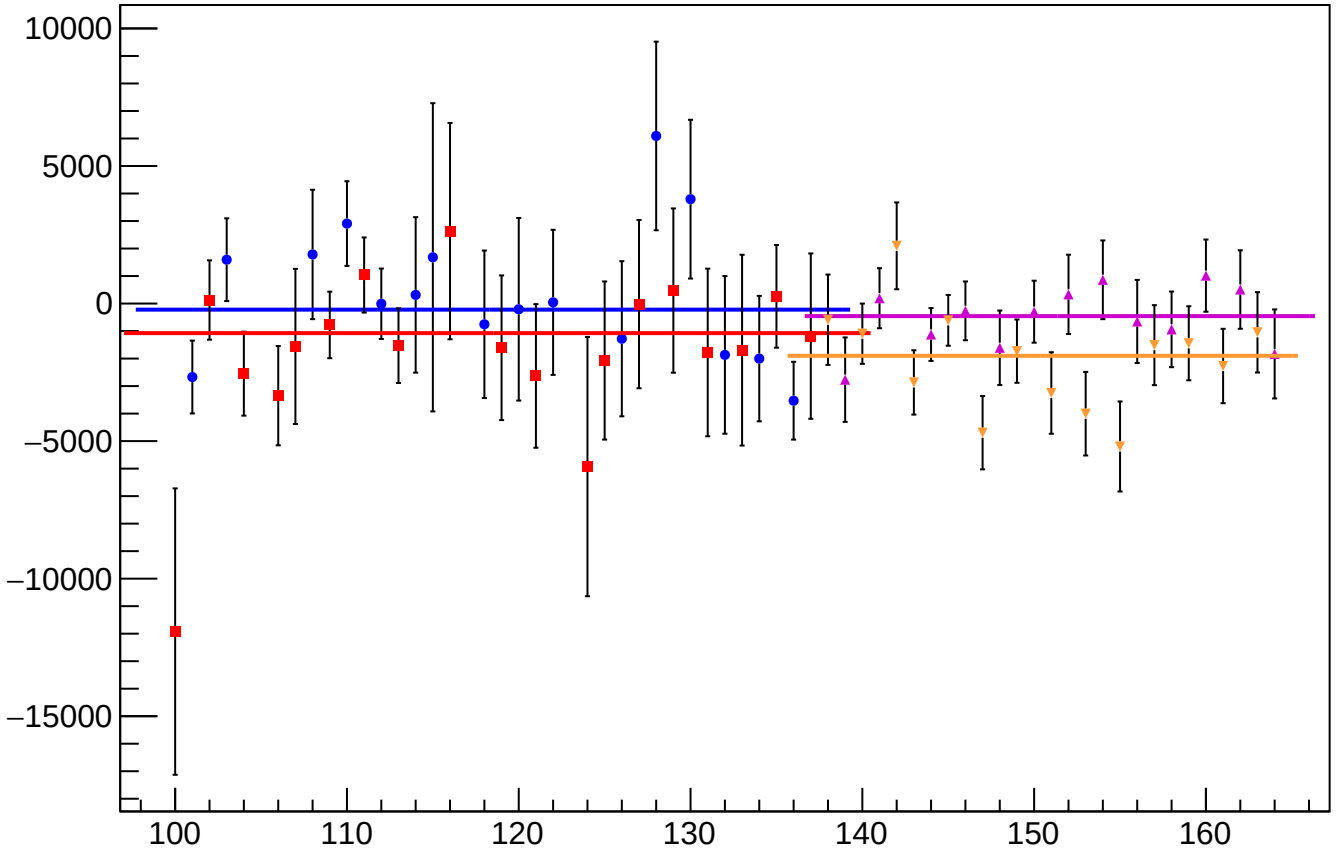
Left In: 159.639+/-0.035 χ^2/NDF:151862.3/12

+ sign 155.339+/-0.026 χ^2/NDF: 764642.1/29

All: 154.326+/-0.018 χ^2/NDF: 1520731.1/61

- 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: -1899.698+/-350.645 χ^2/NDF:22.0/13

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

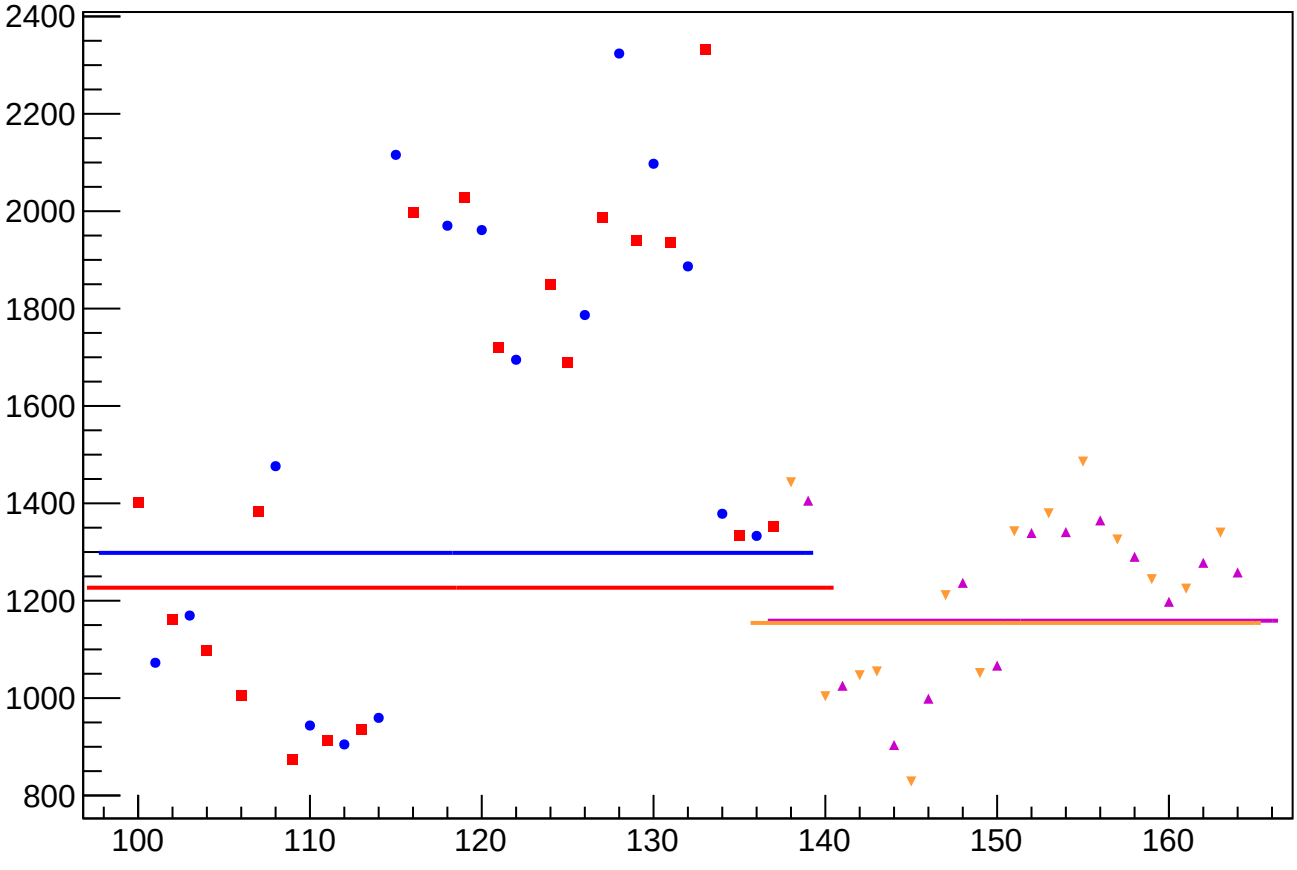
Left In: -456.837+/-354.730 χ^2/NDF:7.6/12

+ sign -1355.462+/-288.245 χ^2/NDF: 51.3/29

All: -1012.051+/-202.212 χ^2/NDF: 76.4/61

- 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: 1154.411+/-0.248 χ^2/NDF:624710.3/13

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

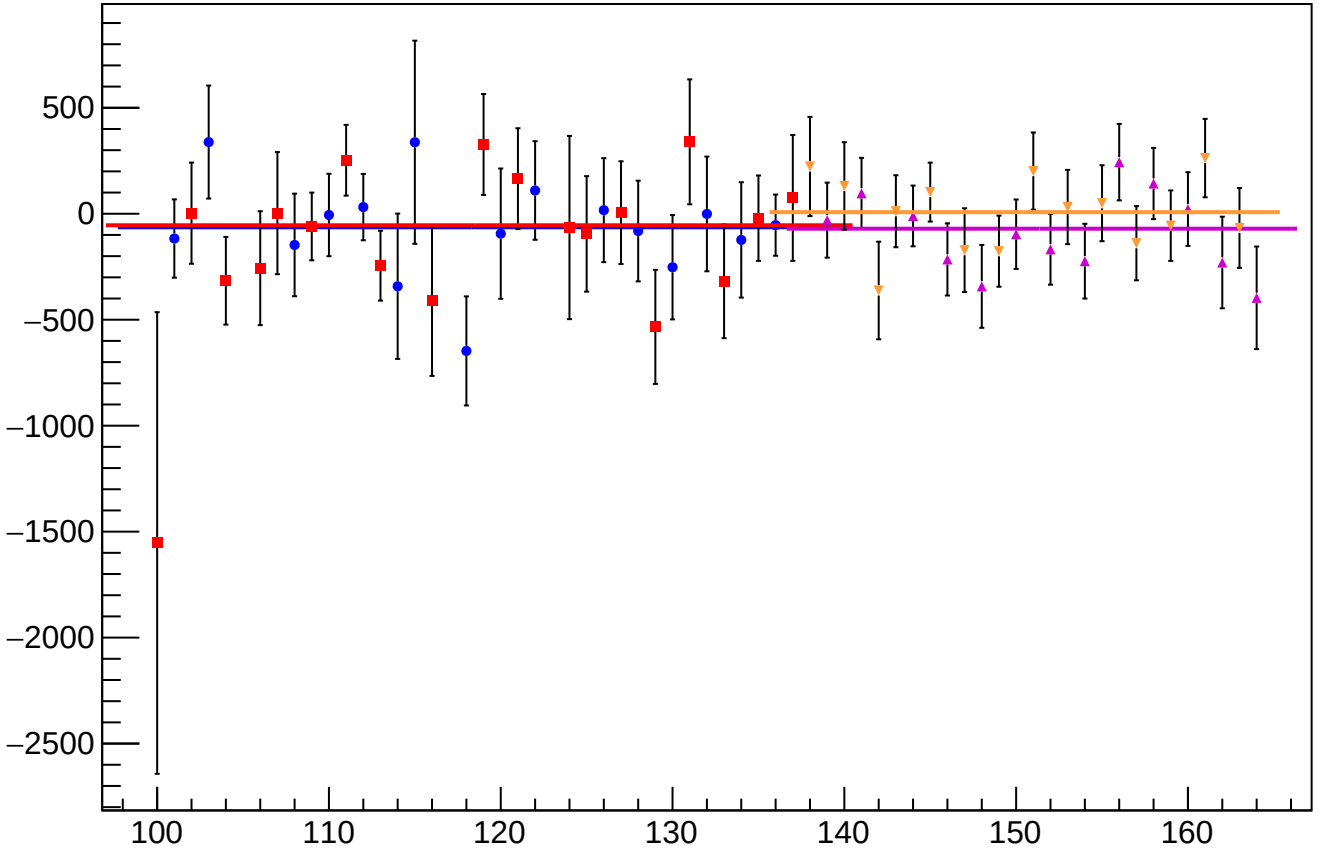
Left In: 1158.977+/-0.251 χ^2/NDF:429726.6/12

\+ sign 1201.064+/-0.204 χ^2/NDF: 1916024.4/29

All: 1192.082+/-0.143 χ^2/NDF: 3780372.4/61

\- 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: 7.539+/-48.328 χ^2/NDF:10.4/13

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

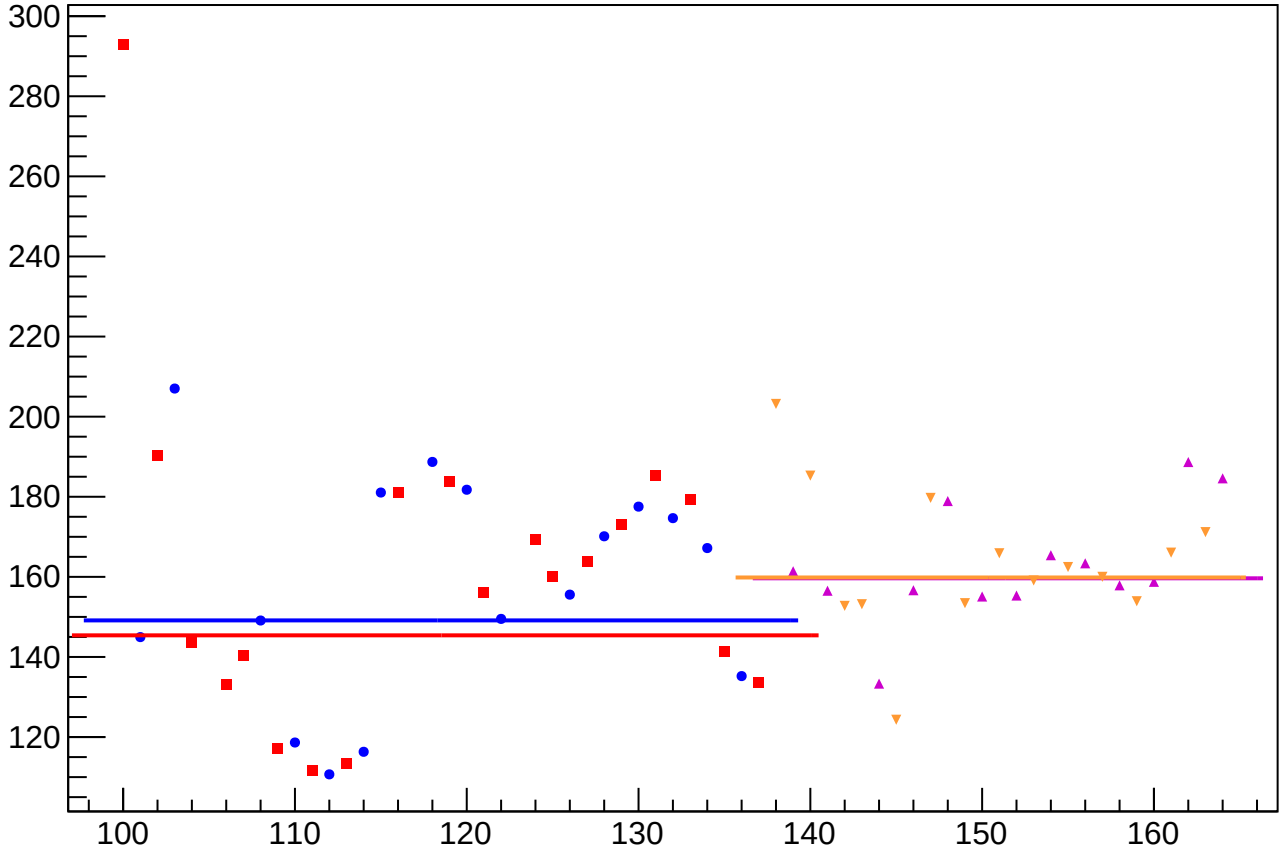
Left In: -70.517+/-48.799 χ^2/NDF:12.3/12

+ sign -22.450+/-36.790 χ^2/NDF: 22.1/29

All: -43.097+/-25.885 χ^2/NDF: 54.6/61

- 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: 159.845+/-0.034 χ^2/NDF:272298.8/13

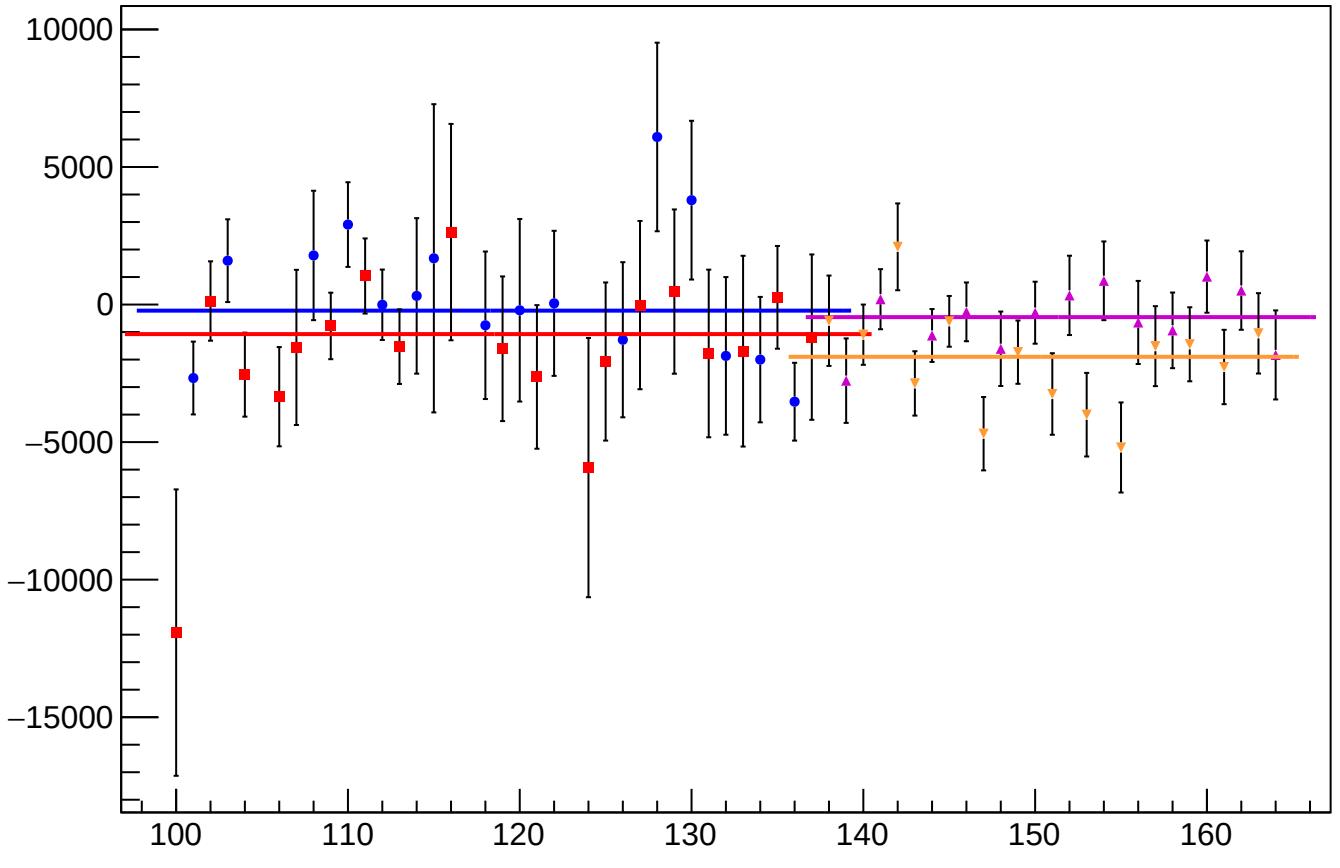
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.639+/-0.035 χ^2/NDF:151860.5/12

+ sign 155.339+/-0.026 χ^2/NDF: 764640.1/29

All: 154.327+/-0.018 χ^2/NDF: 1520733.7/61

- 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: -1899.694+/-350.645 χ^2/NDF:22.0/13

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

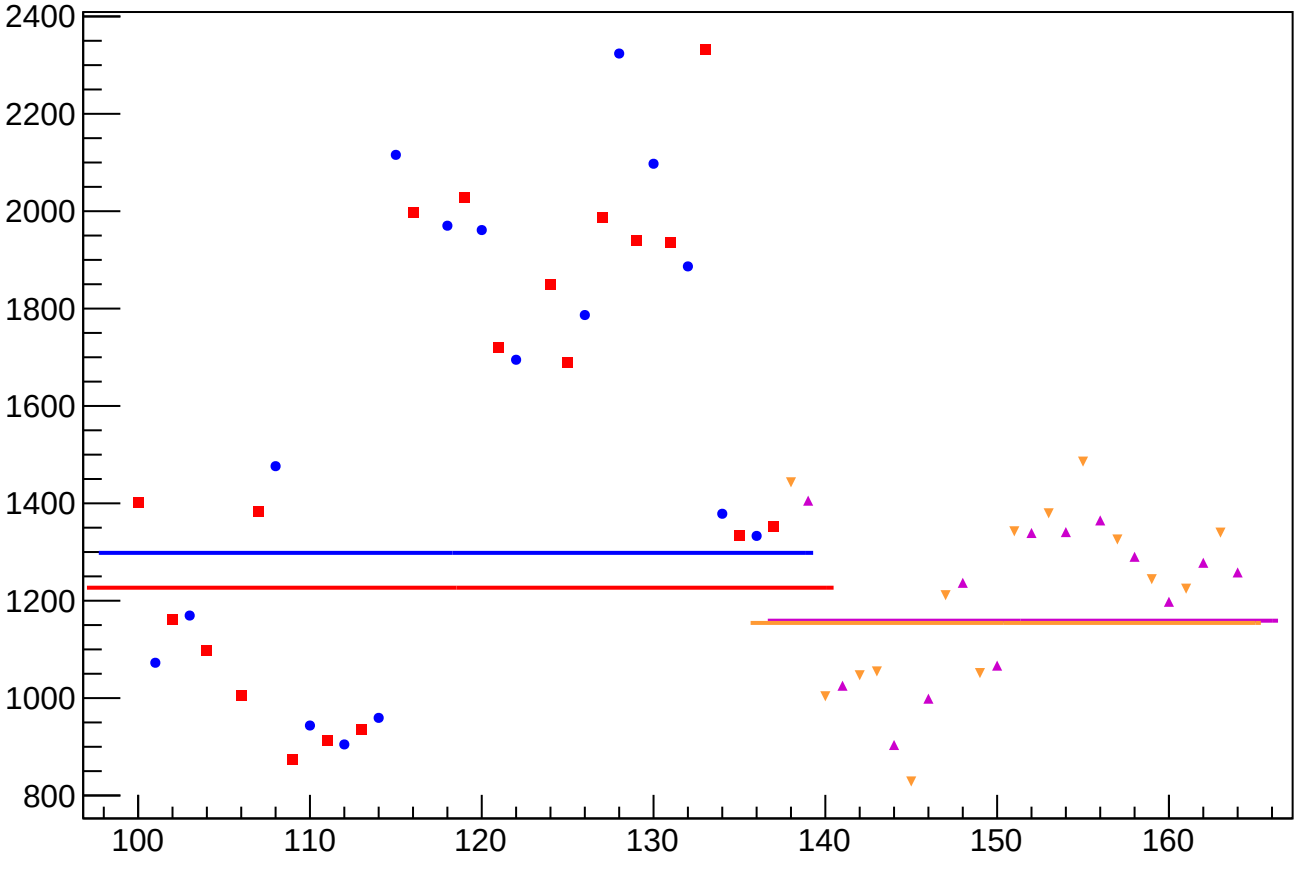
Left In: -456.835+/-354.730 χ^2/NDF:7.6/12

\+ sign -1355.459+/-288.245 χ^2/NDF: 51.3/29

All: -1012.049+/-202.212 χ^2/NDF: 76.4/61

\- sign -679.265+/-283.750 χ^2/NDF: 22.3/31

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1154.409+/-0.248 χ^2/NDF:624712.9/13

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

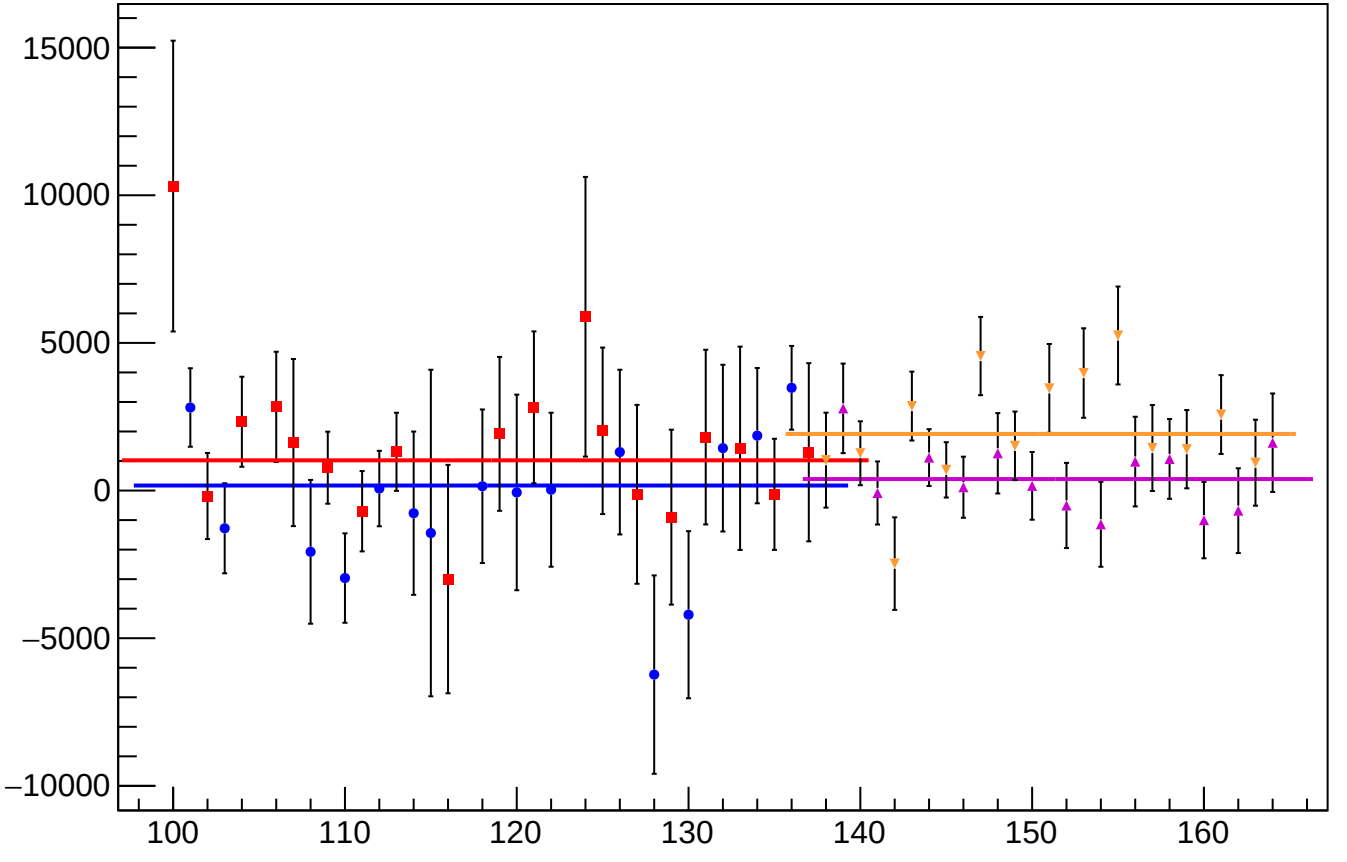
Left In: 1158.976+/-0.251 χ^2/NDF:429725.1/12

+ sign 1201.063+/-0.204 χ^2/NDF: 1916031.6/29

All: 1192.081+/-0.143 χ^2/NDF: 3780380.9/61

- sign 1183.377+/-0.201 χ^2/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: 1917.953+/-350.314 χ^2/NDF:22.8/13

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

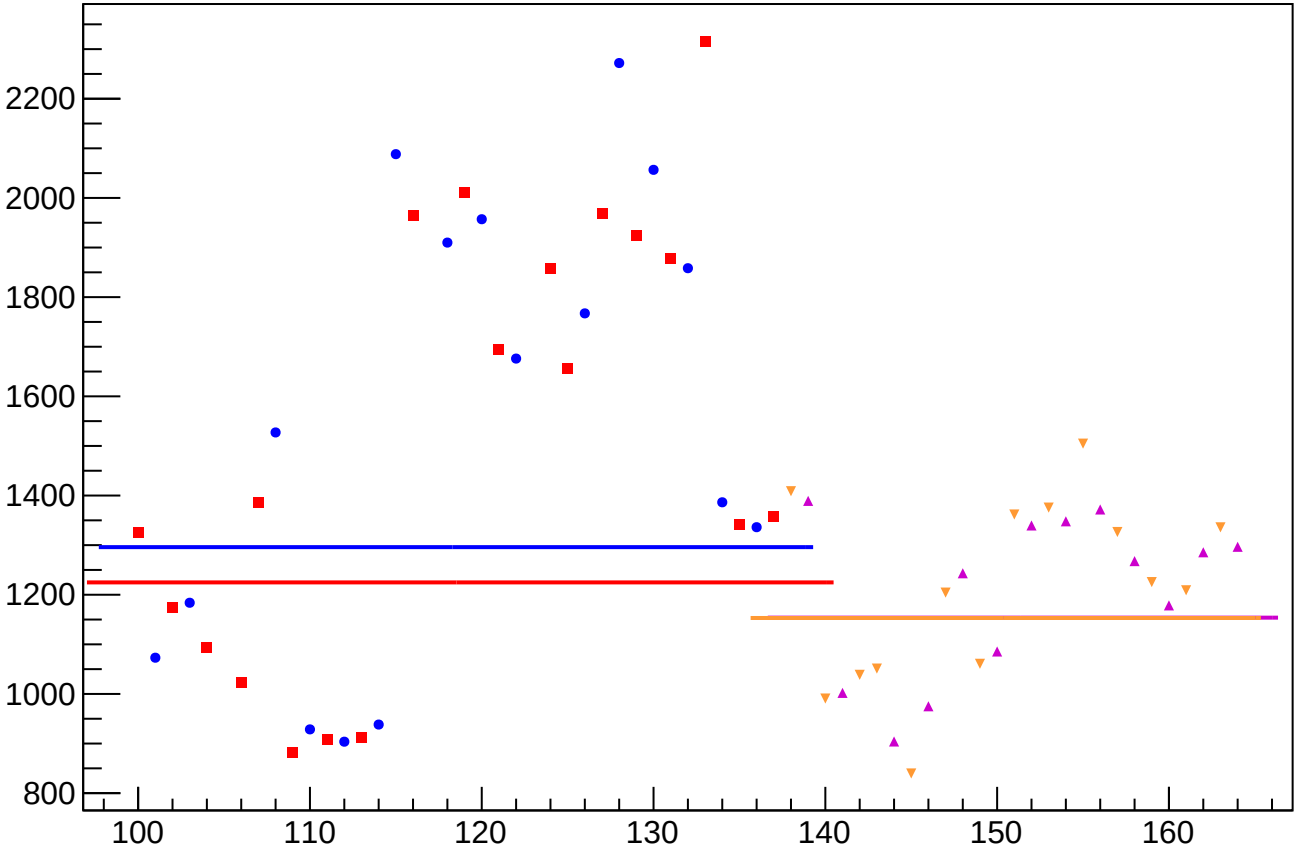
Left In: 389.550+/-353.234 χ^2/NDF:8.0/12

+ sign 1350.636+/-287.864 χ^2/NDF: 53.5/29

All: 977.425+/-201.740 χ^2/NDF: 77.5/61

- 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: 1153.138+/-0.248 χ^2/NDF:601905.8/13

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

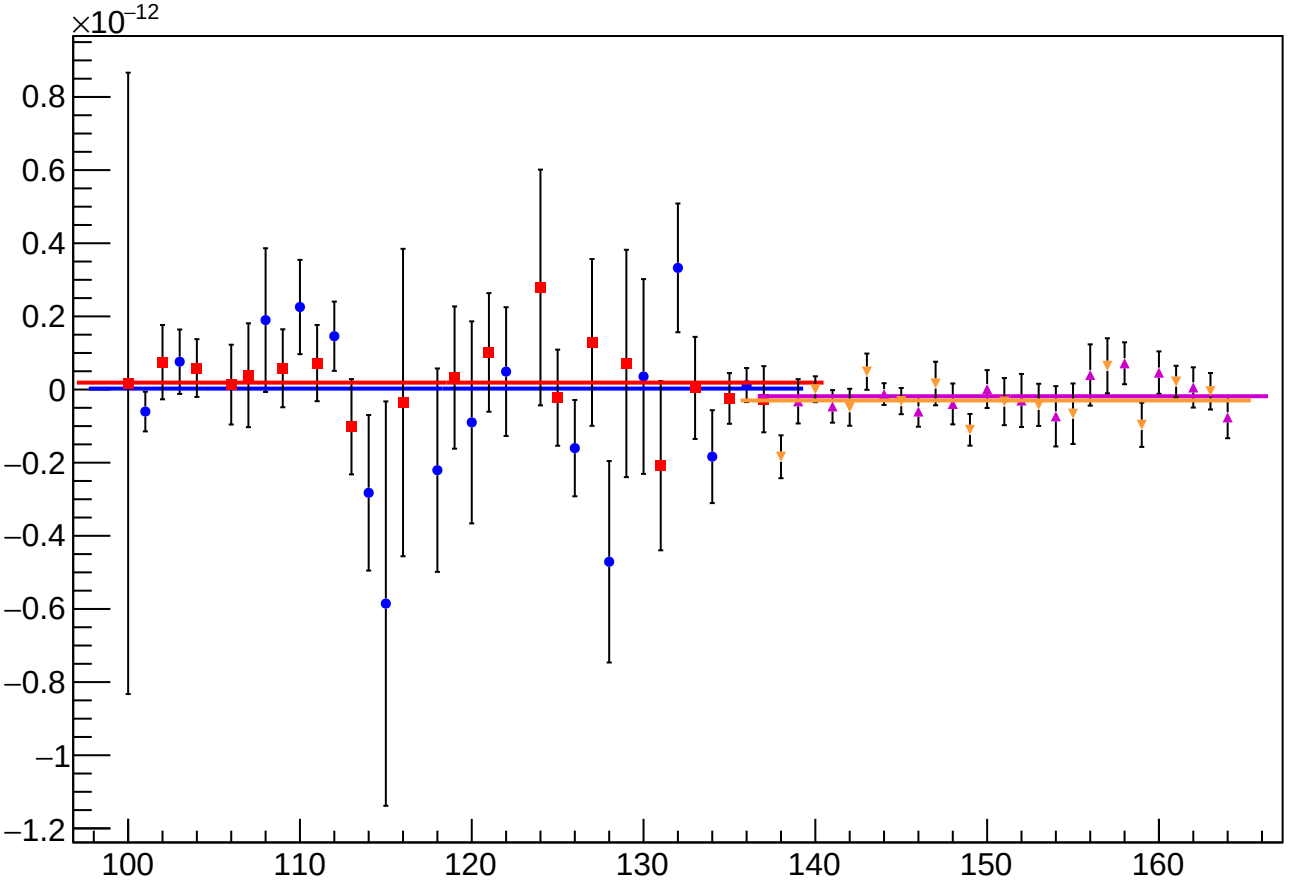
Left In: 1153.812+/-0.250 χ^2/NDF:455775.7/12

+ sign 1199.529+/-0.204 χ^2/NDF: 1864092.5/29

All: 1189.247+/-0.143 χ^2/NDF: 3725224.3/61

- sign 1179.322+/-0.200 χ^2/NDF: 1856117.0/31

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/13

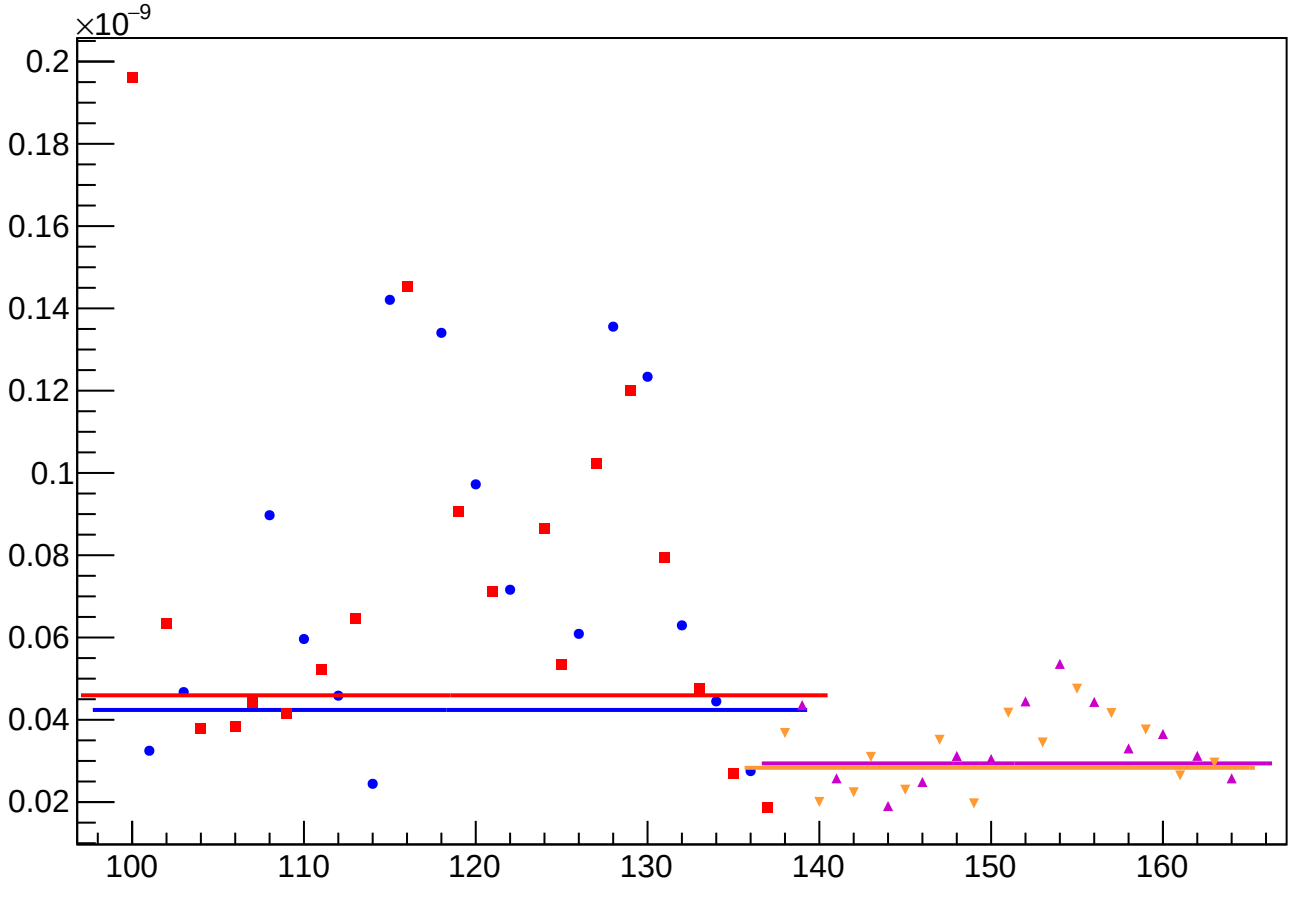
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/29

All: -0.000+/-0.000 χ^2/NDF: 56.6/61

- sign -0.000+/-0.000 χ^2/NDF: 13.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:667082.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

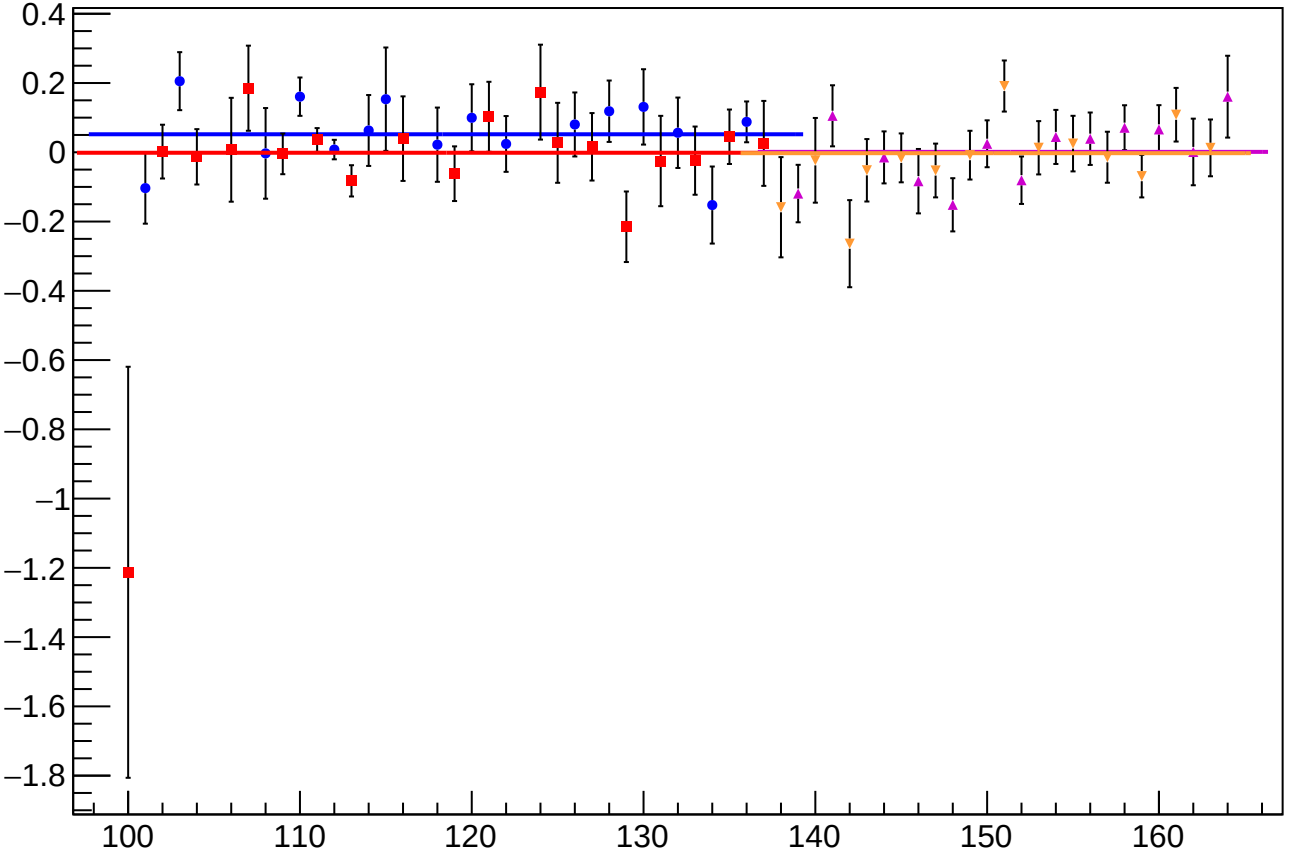
Left In: 0.000+/-0.000 χ^2/NDF:762192.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2447832.4/29

All: 0.000+/-0.000 χ^2/NDF: 4871070.3/61

- 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: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

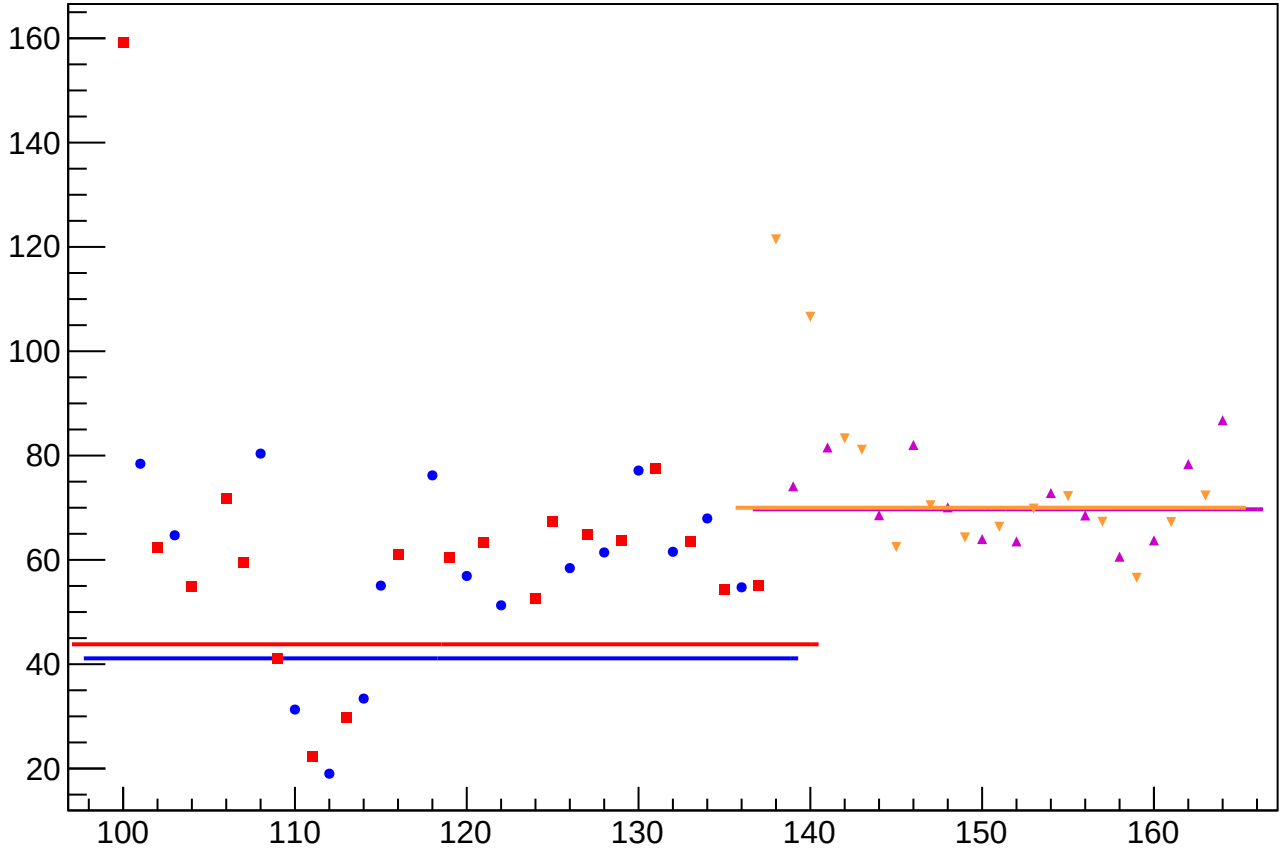
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.015+/-0.010 χ^2/NDF: 74.3/61

- 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: 70.000+/-0.015 χ^2/NDF:629717.9/13

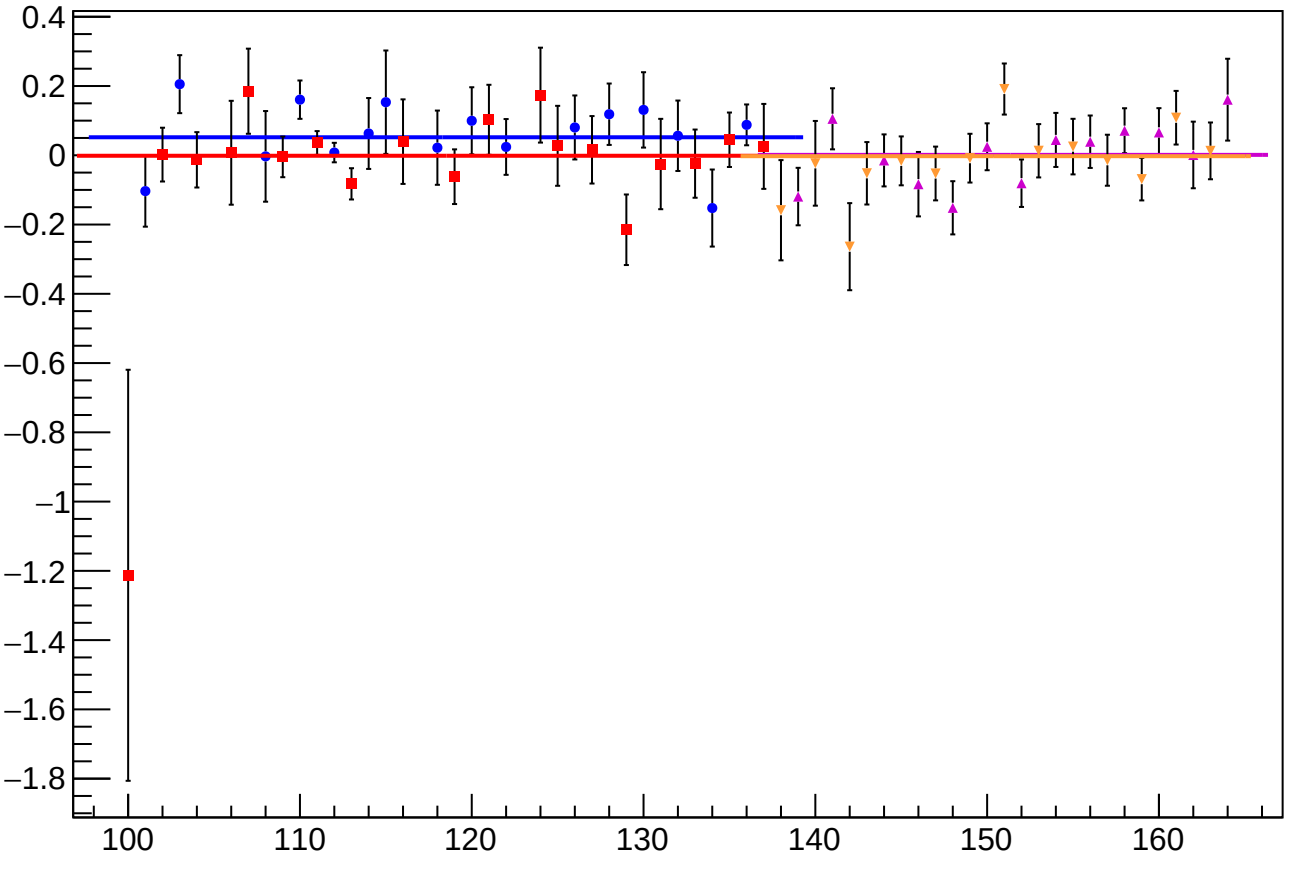
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

+ sign 52.775+/-0.010 χ^2/NDF: 5686317.9/29

All: 53.544+/-0.007 χ^2/NDF: 9663590.1/61

- 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: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

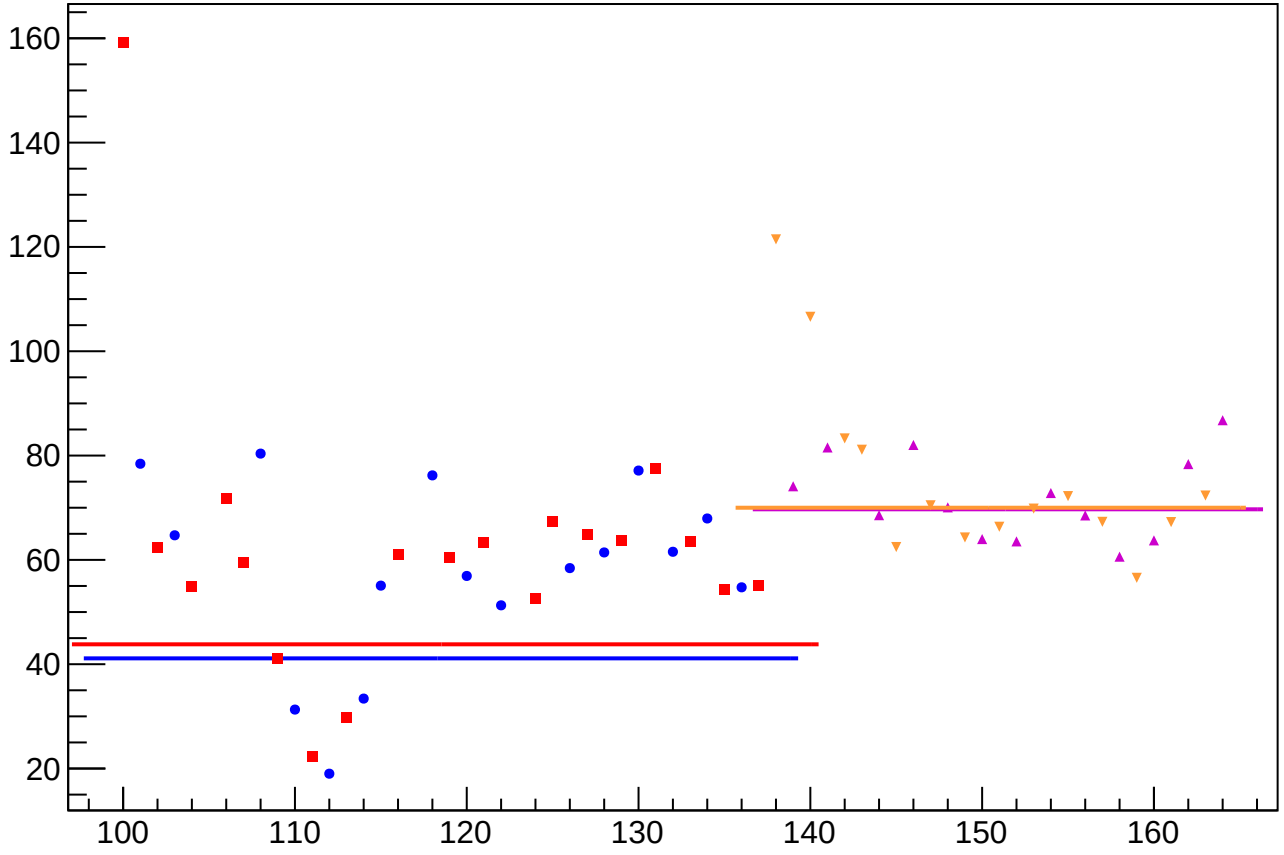
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.015+/-0.010 χ^2/NDF: 74.3/61

- 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: 70.000+/-0.015 χ^2/NDF:629717.9/13

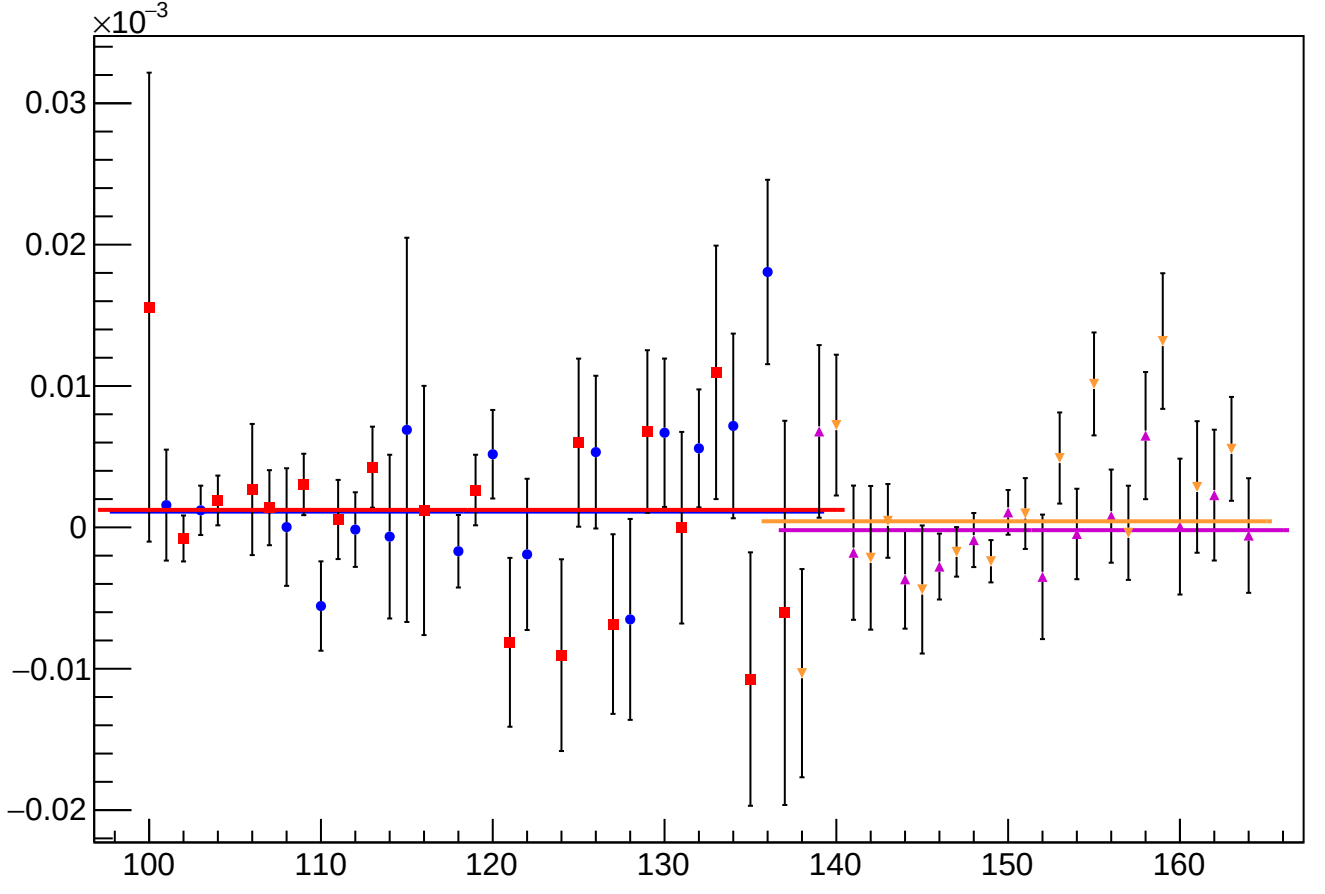
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

\+ sign 52.775+/-0.010 χ^2/NDF: 5686317.9/29

All: 53.544+/-0.007 χ^2/NDF: 9663590.1/61

\- 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:28.9/13

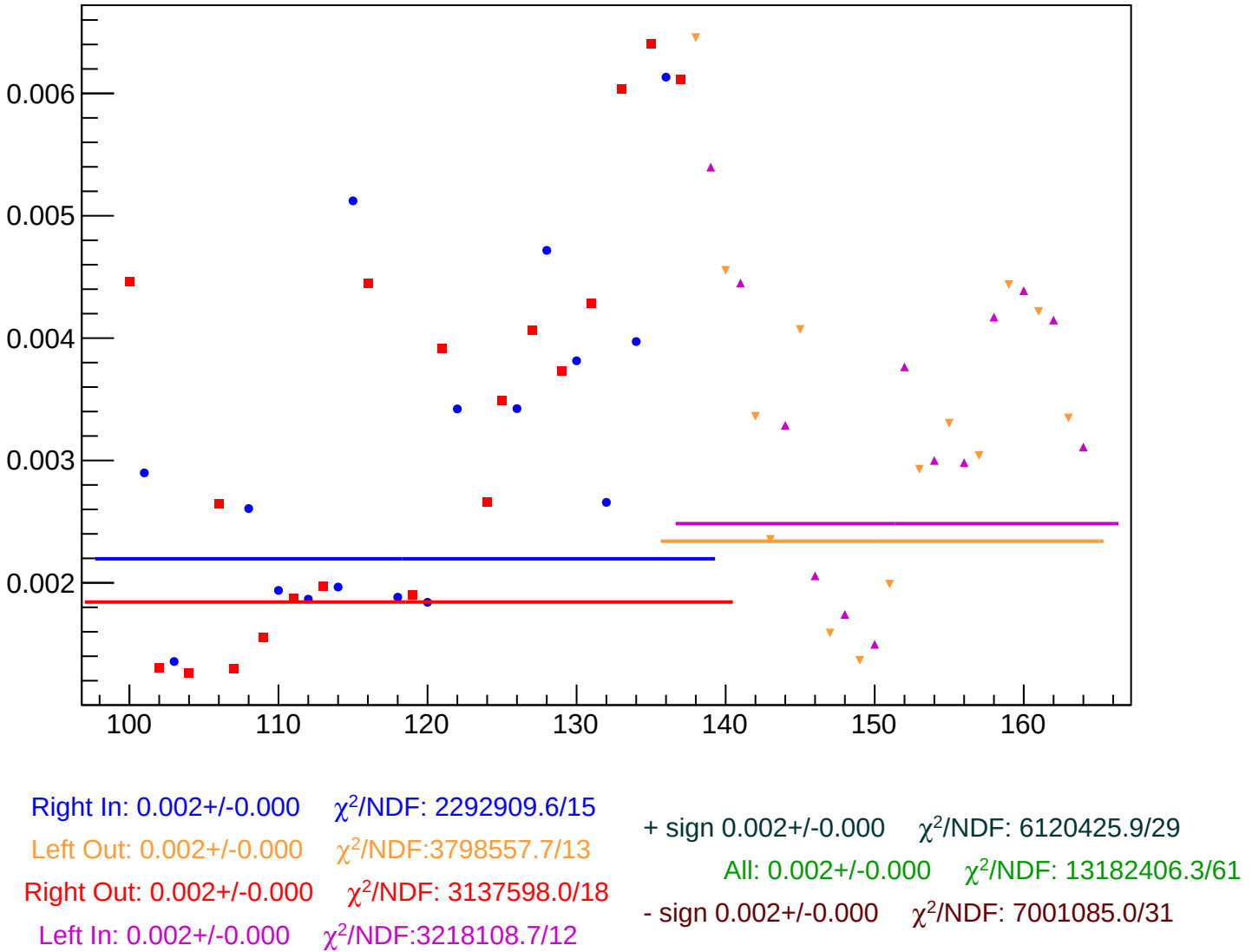
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

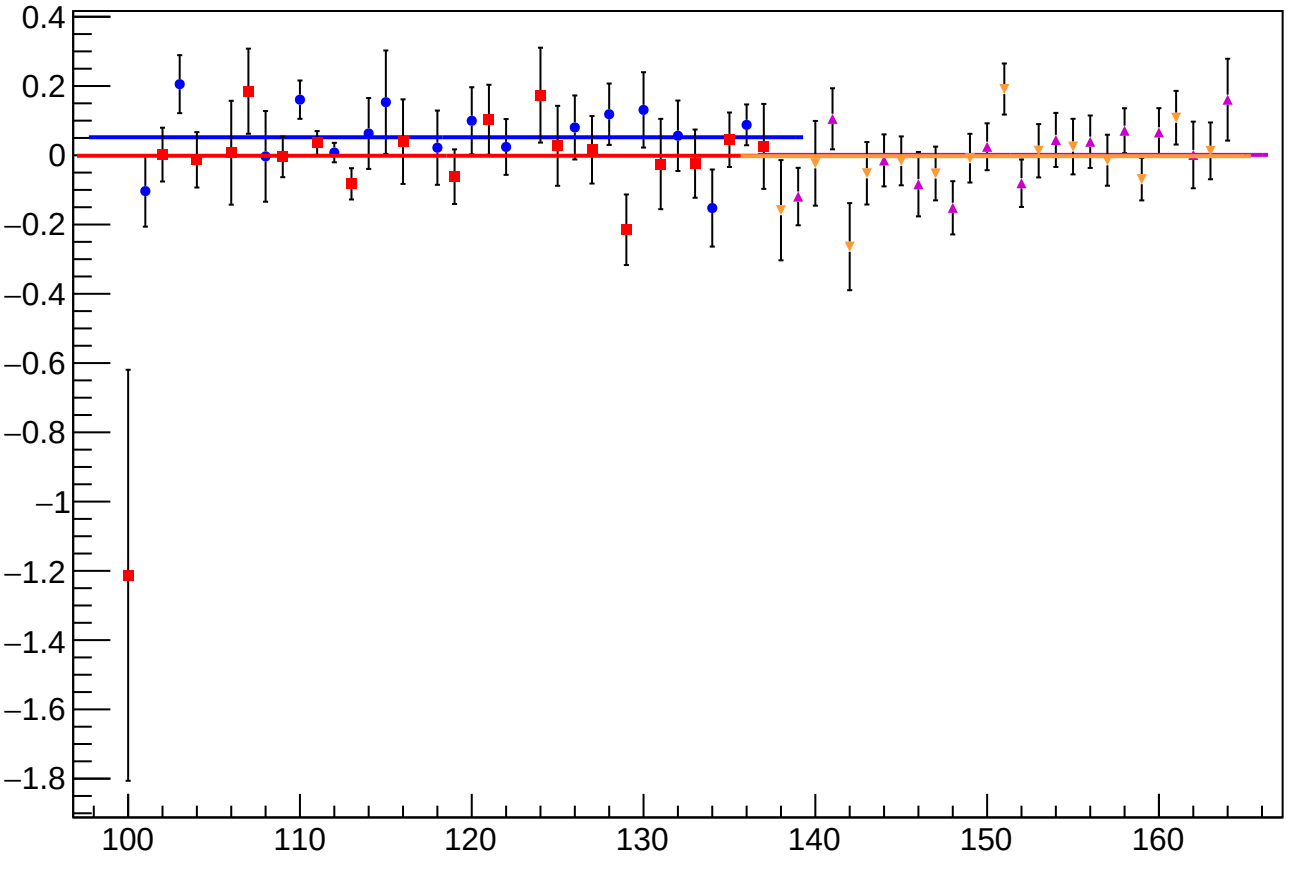
Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/29

All: 0.000+/-0.000 χ^2/NDF: 74.3/61

- sign 0.000+/-0.000 χ^2/NDF: 25.1/31


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3798557.7/13
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.002+/-0.000 χ²/NDF:3218108.7/12
+ sign 0.002+/-0.000 χ²/NDF: 6120425.9/29
All: 0.002+/-0.000 χ²/NDF: 13182406.3/61
- sign 0.002+/-0.000 χ²/NDF: 7001085.0/31



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

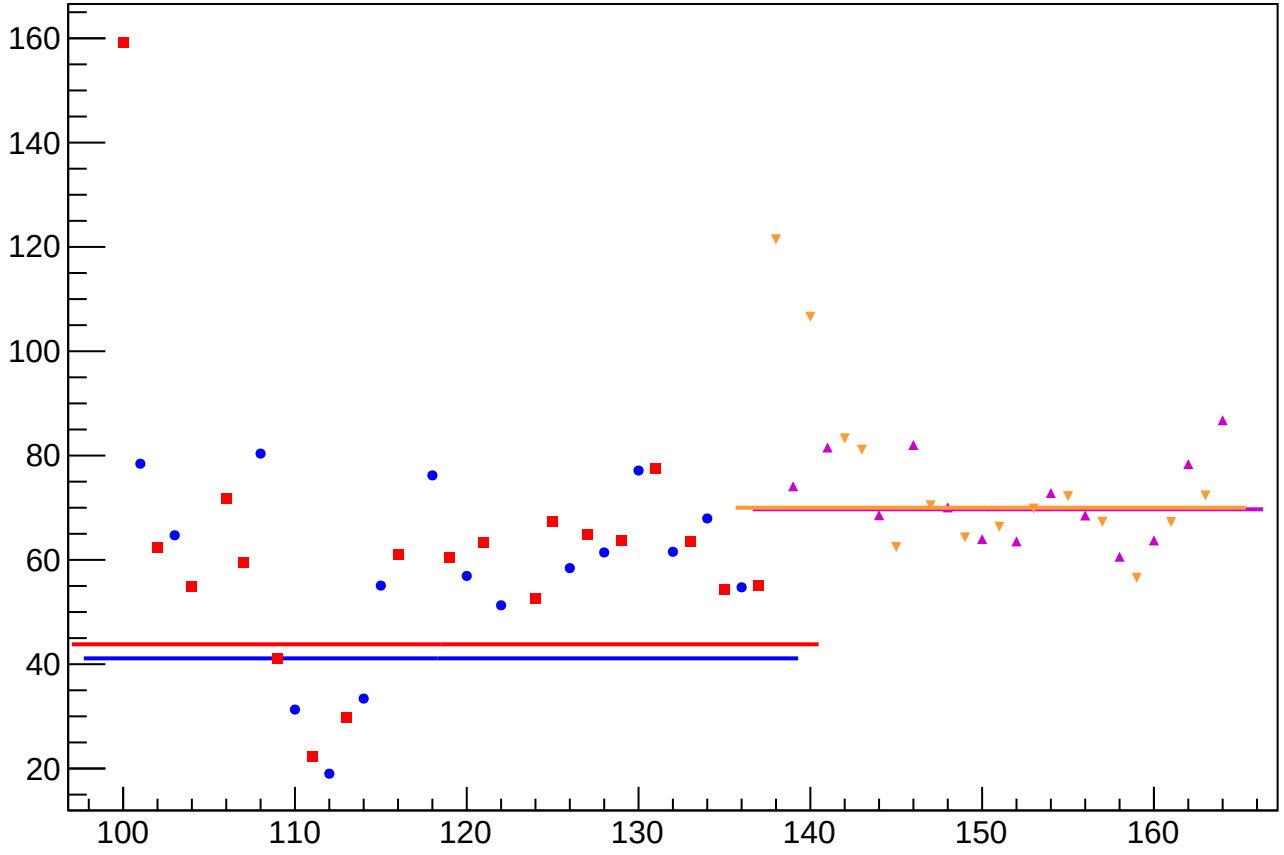
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.015+/-0.010 χ^2/NDF: 74.3/61

- 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: 70.001+/-0.015 χ^2/NDF:629697.5/13

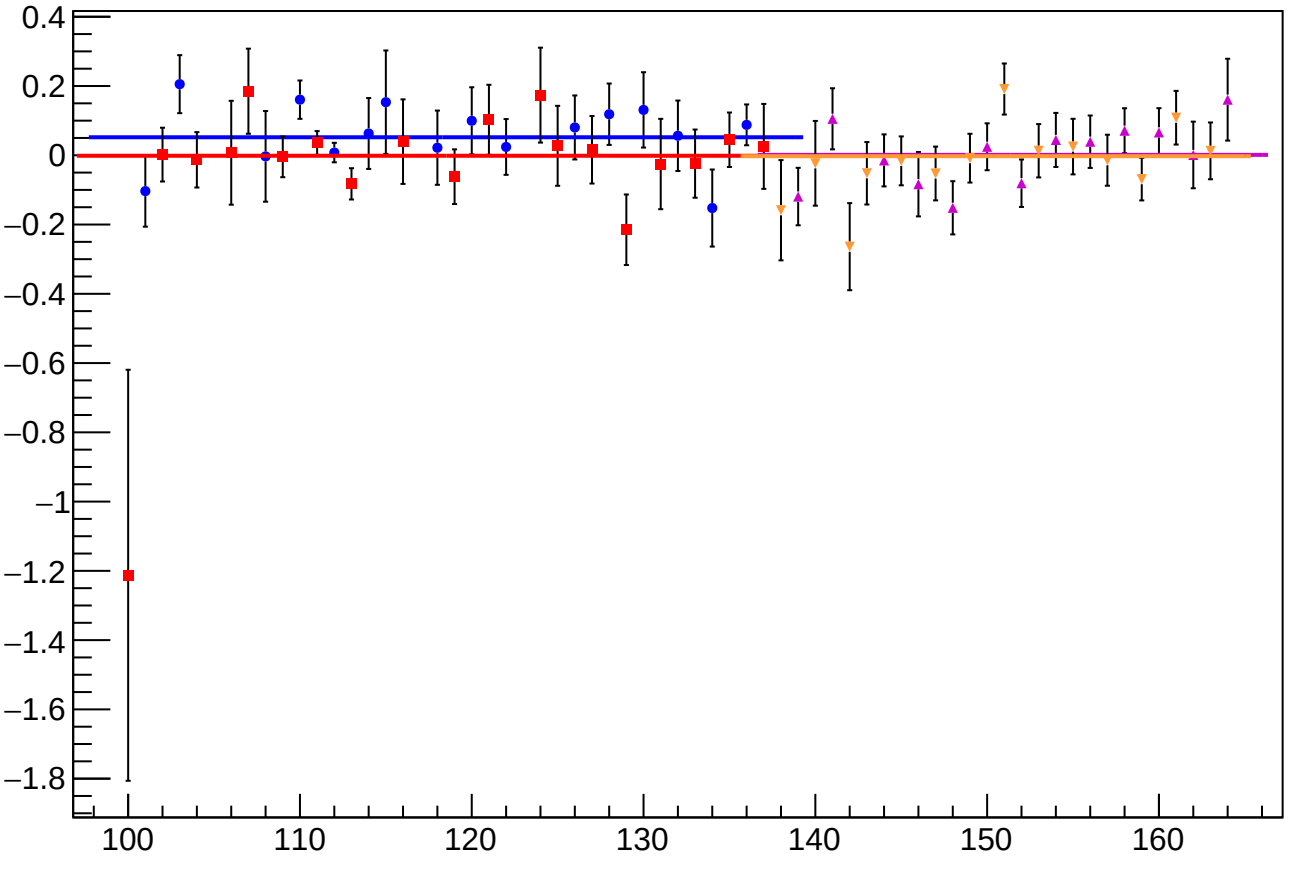
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

\+ sign 52.774+/-0.010 χ^2/NDF: 5686705.6/29

All: 53.544+/-0.007 χ^2/NDF: 9664364.2/61

\- 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: -0.003+/-0.022 χ^2/NDF:16.6/13

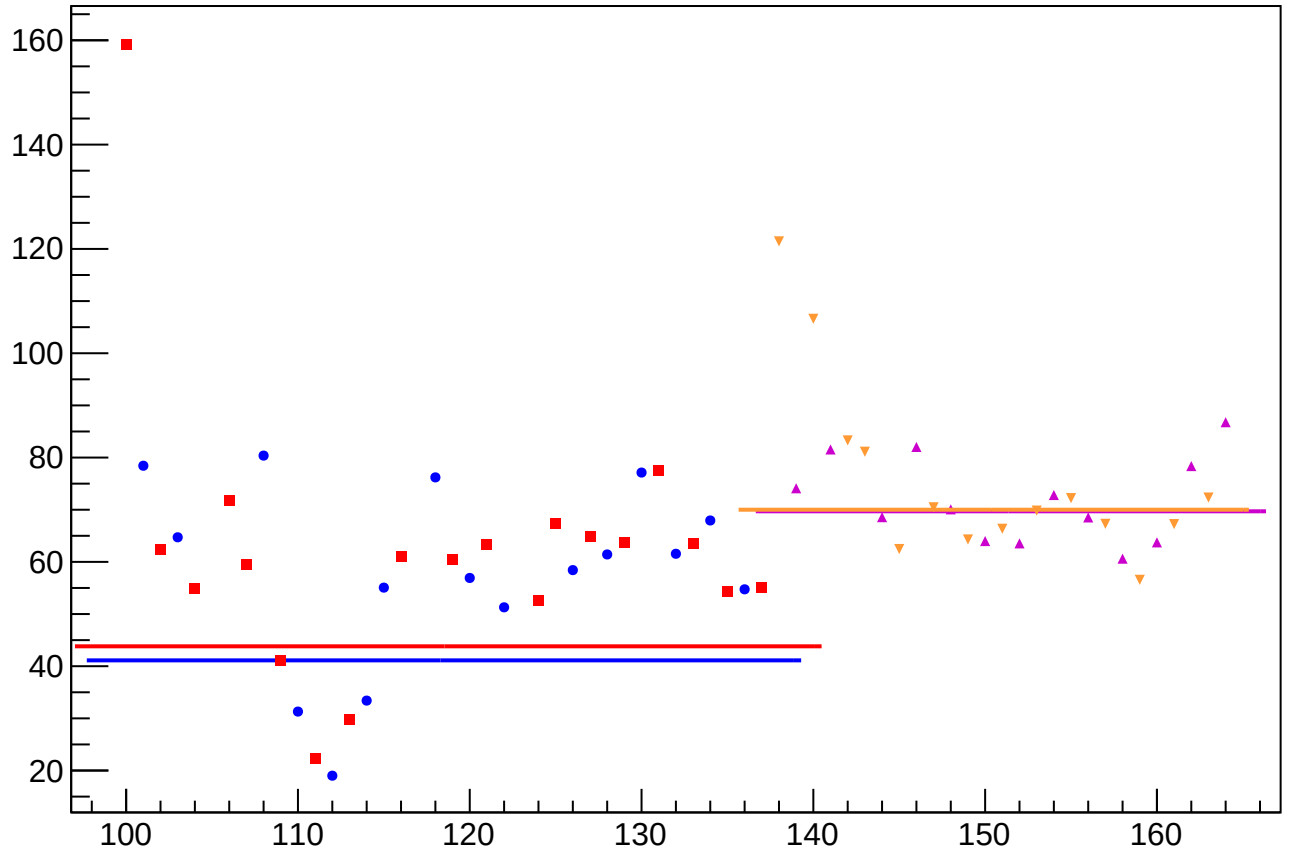
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.015+/-0.010 χ^2/NDF: 74.3/61

- 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: 70.001+/-0.015 χ^2/NDF:629697.5/13

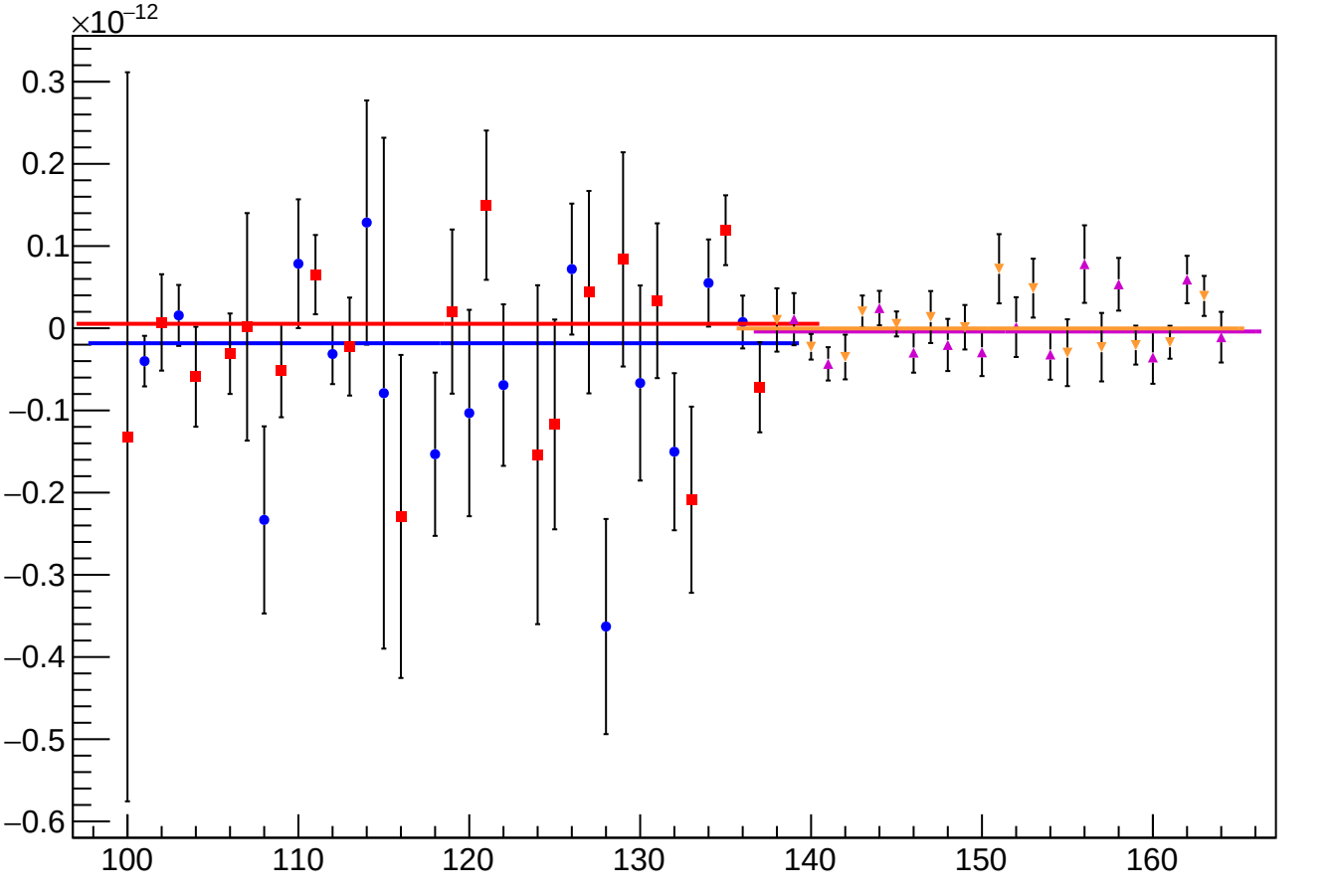
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

+ sign 52.774+/-0.010 χ^2/NDF: 5686705.6/29

All: 53.544+/-0.007 χ^2/NDF: 9664364.2/61

- 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:14.9/13

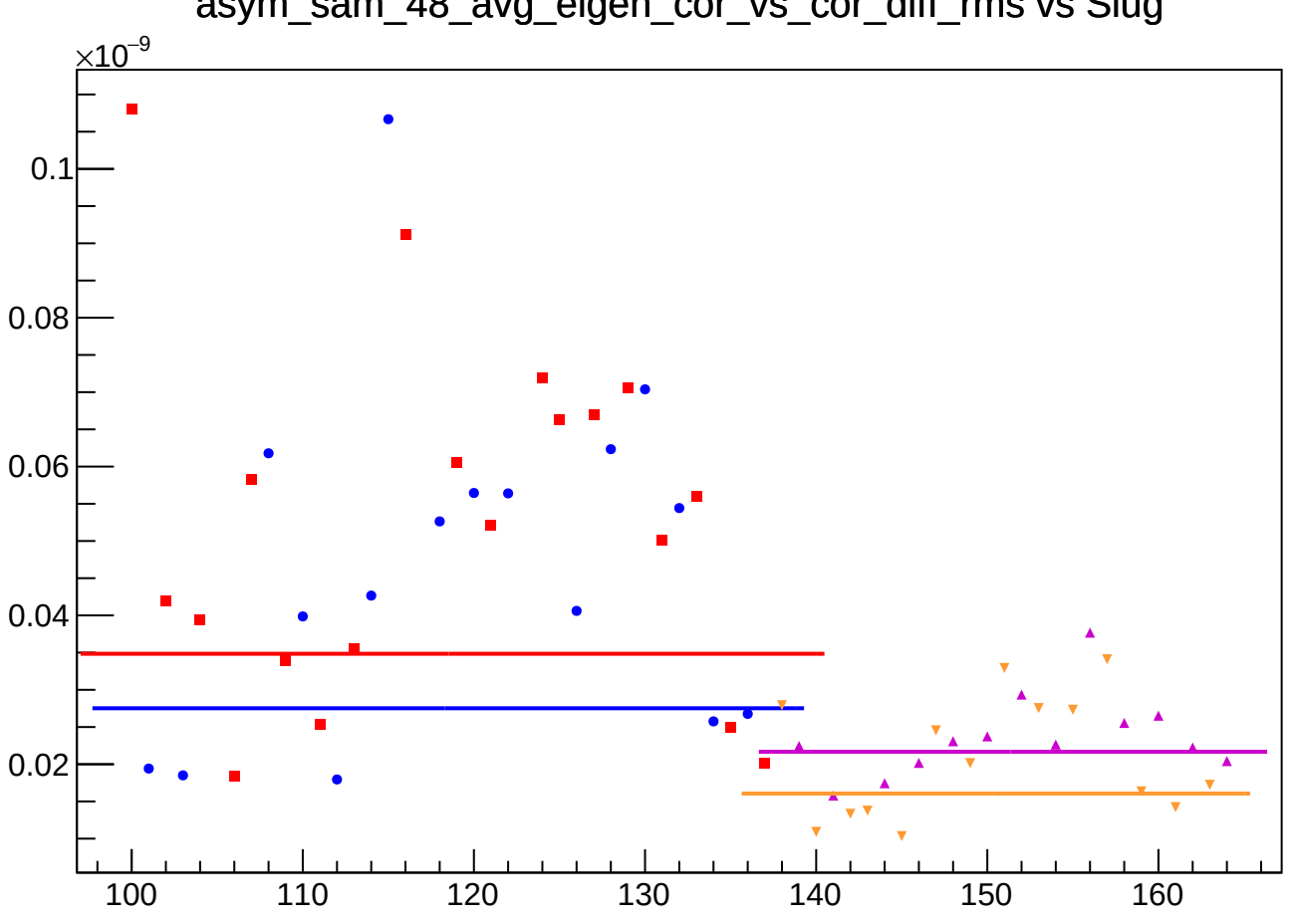
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/29

All: -0.000+/-0.000 χ^2/NDF: 83.7/61

- 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:2005463.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

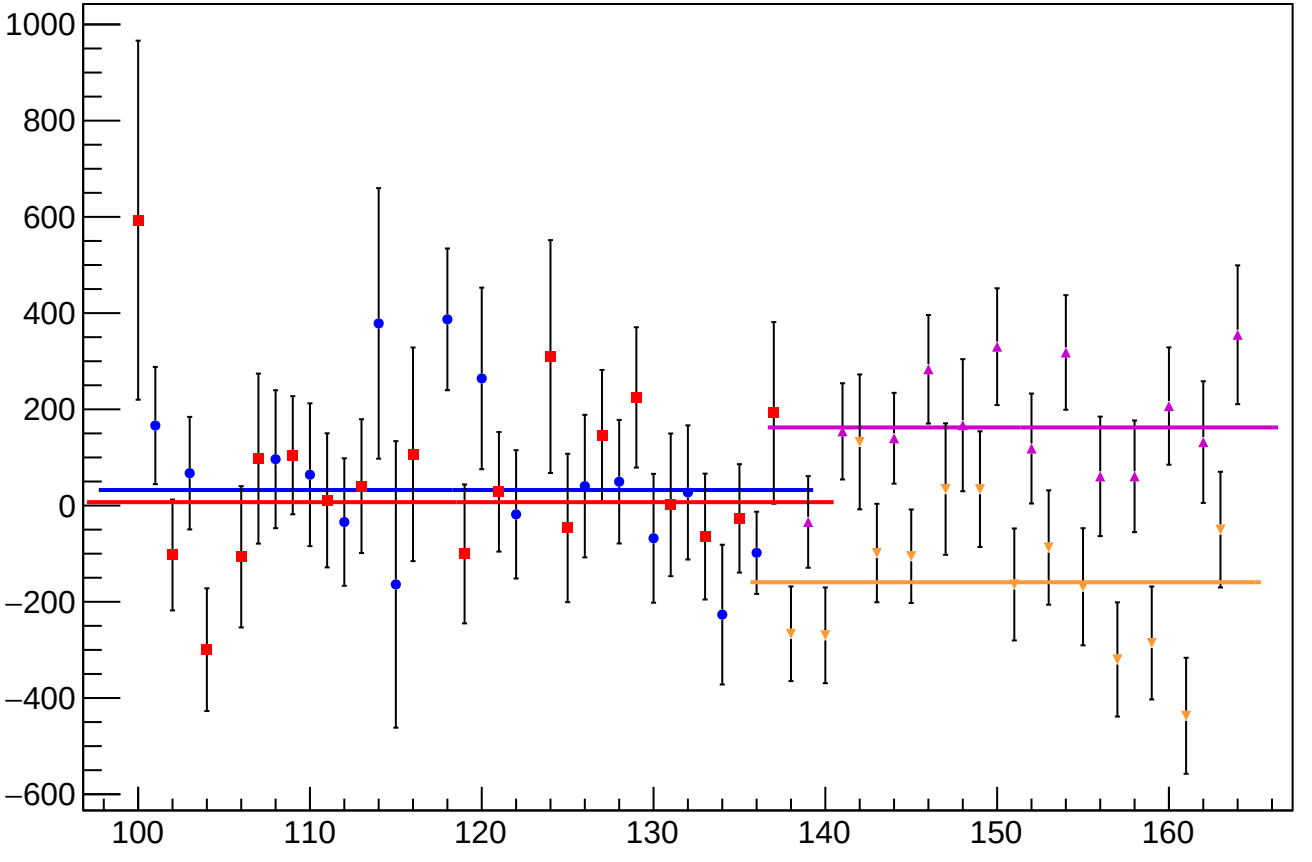
Left In: 0.000+/-0.000 χ^2/NDF:674126.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4858338.5/29

All: 0.000+/-0.000 χ^2/NDF: 9096750.4/61

- 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: -159.381+/-30.525 χ^2/NDF:21.5/13

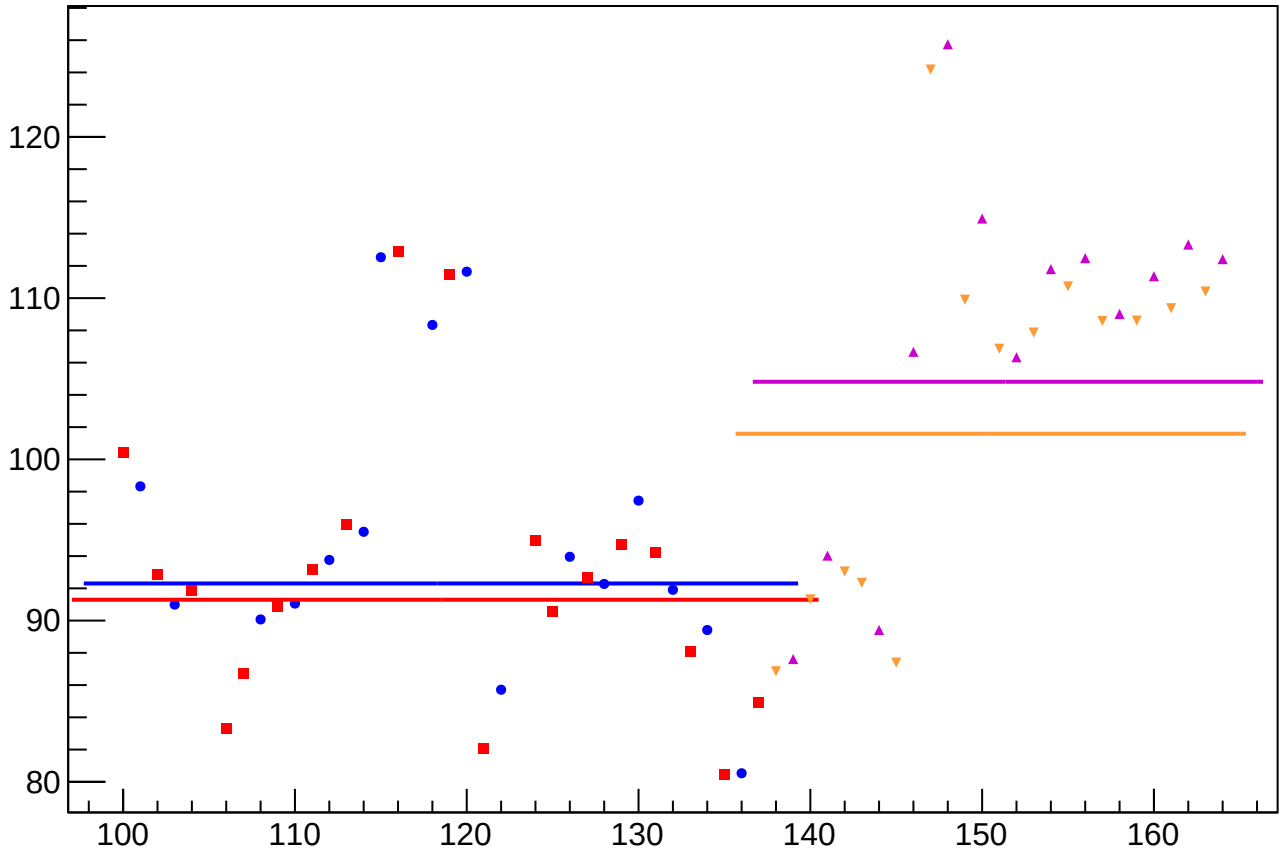
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 162.381+/-31.843 χ^2/NDF:12.6/12

+ sign -75.019+/-22.841 χ^2/NDF: 56.2/29

All: 5.969+/-16.226 χ^2/NDF: 123.3/61

- sign 88.476+/-23.054 χ^2/NDF: 41.7/31



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

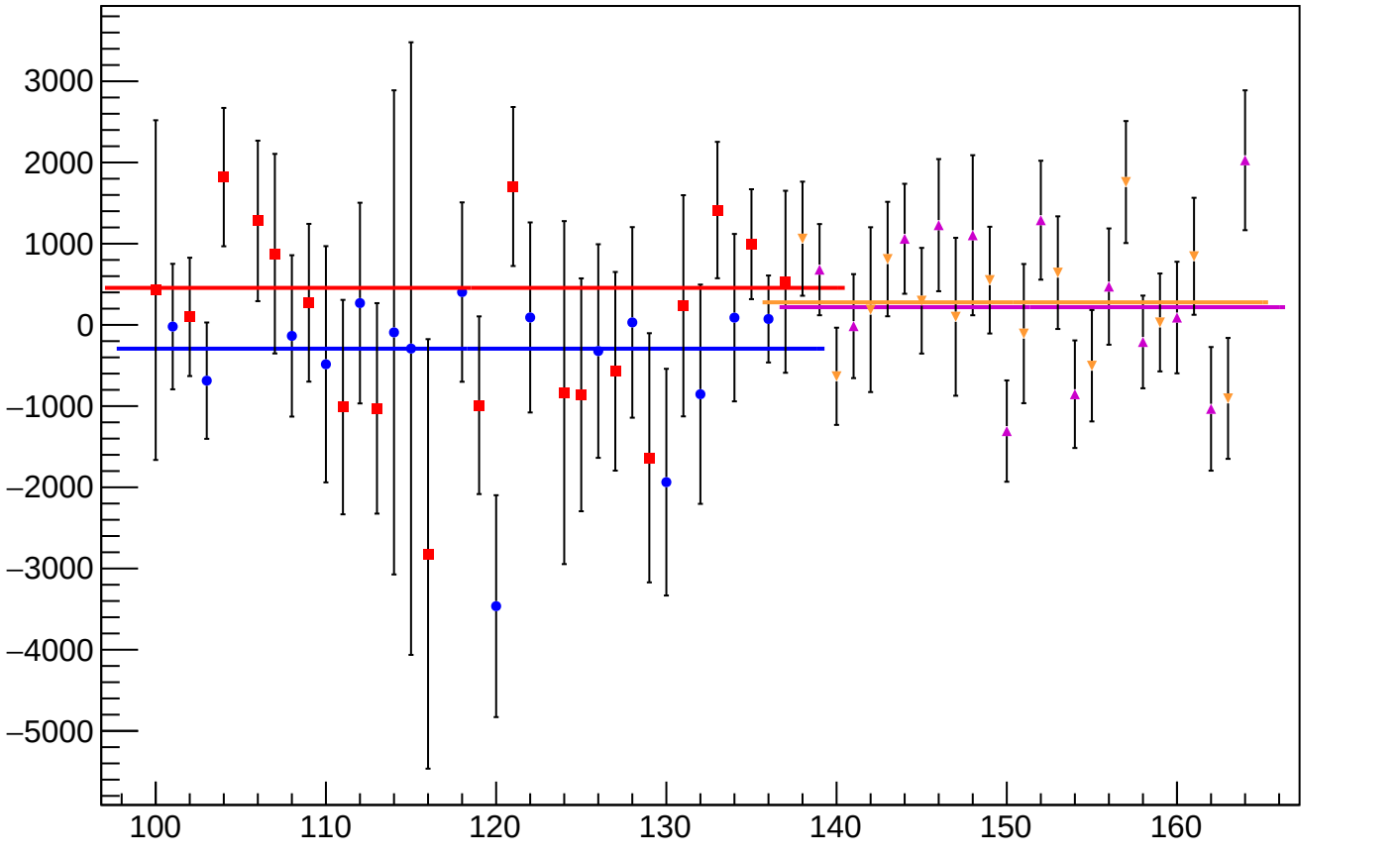
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.503+/-0.016 χ^2/NDF: 439621.6/29

All: 97.937+/-0.011 χ^2/NDF: 958277.7/61

- 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: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

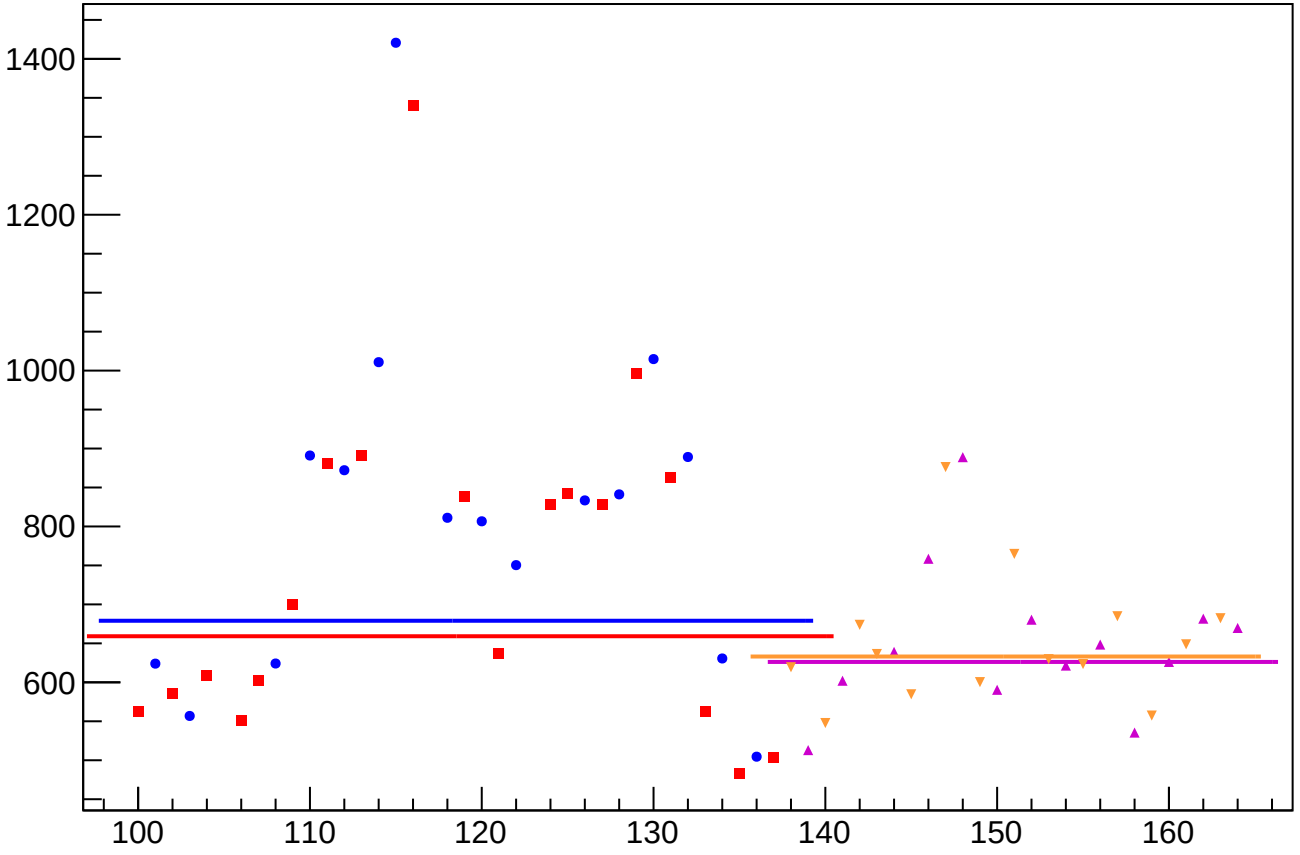
Left In: 218.033+/-191.542 χ^2/NDF:23.3/12

+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 193.569+/-108.081 χ^2/NDF: 67.1/61

- 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: 633.113+/-0.135 χ^2/NDF:284139.3/13

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

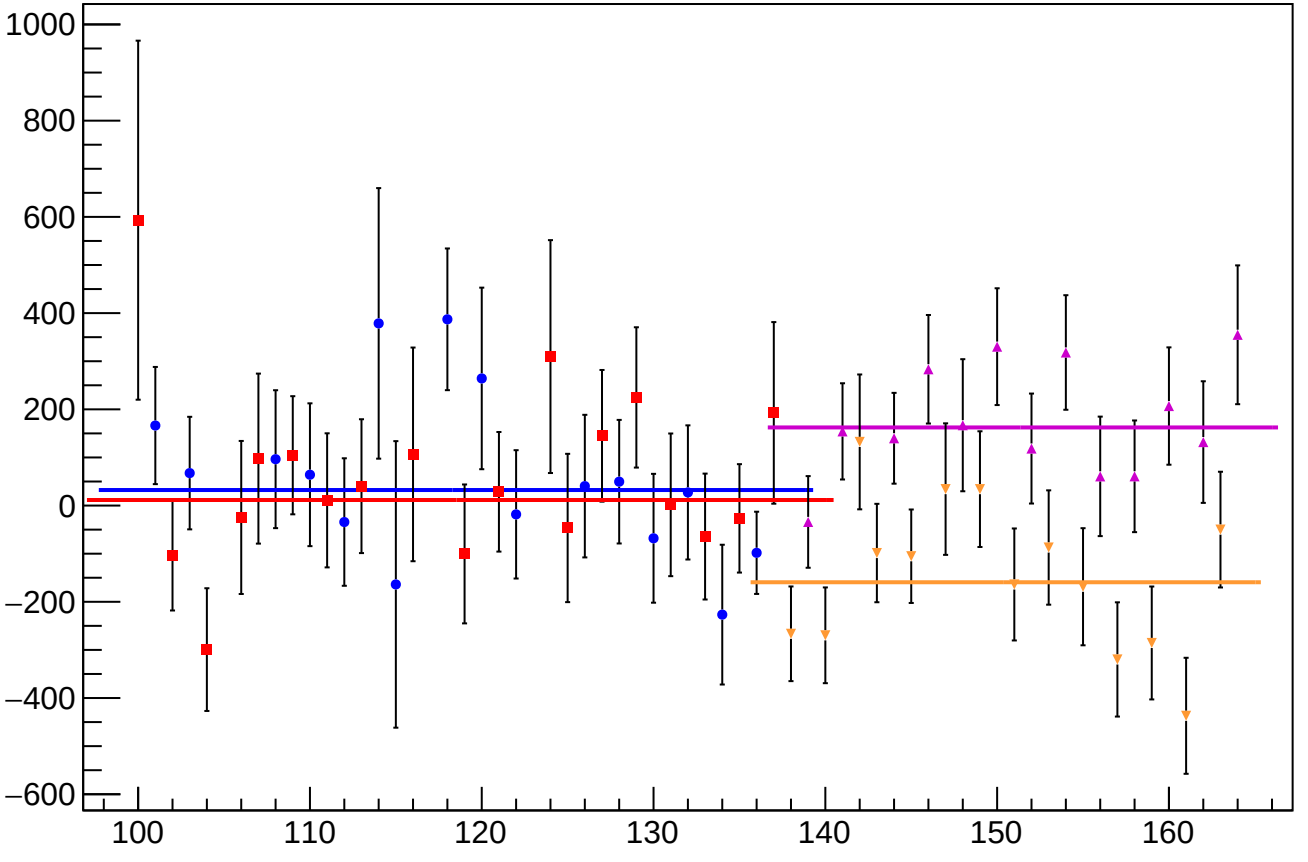
Left In: 626.151+/-0.135 χ^2/NDF:365622.5/12

+ sign 649.244+/-0.109 χ^2/NDF: 1092621.7/29

All: 643.759+/-0.076 χ^2/NDF: 2281202.9/61

- 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: -159.378+/-30.525 χ^2/NDF:21.5/13

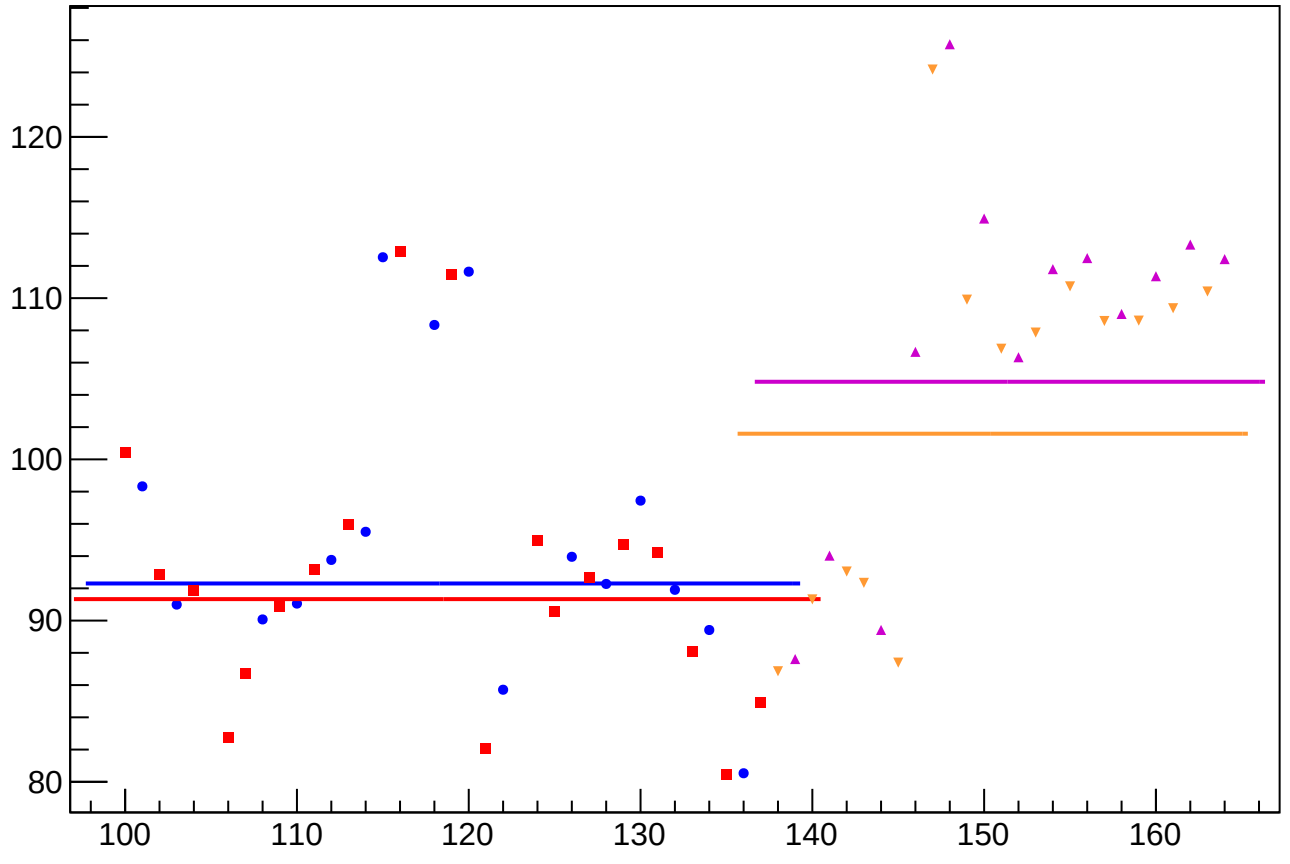
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 162.384+/-31.843 χ^2/NDF:12.6/12

+ sign -75.011+/-22.841 χ^2/NDF: 56.2/29

All: 7.028+/-16.240 χ^2/NDF: 122.7/61

- sign 90.910+/-23.096 χ^2/NDF: 40.5/31



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

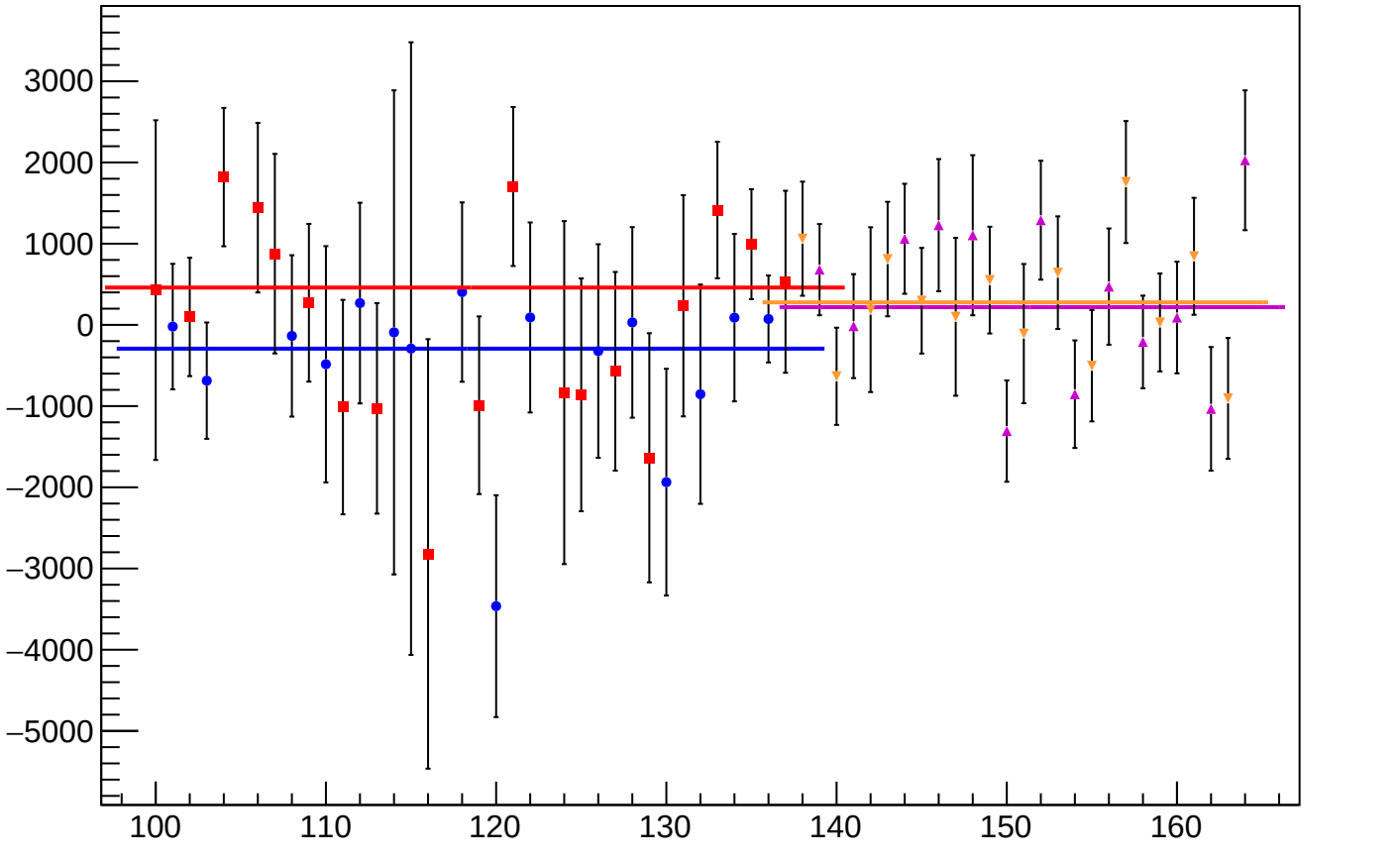
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.503+/-0.016 χ^2/NDF: 439621.5/29

All: 97.958+/-0.011 χ^2/NDF: 956588.7/61

- 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: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

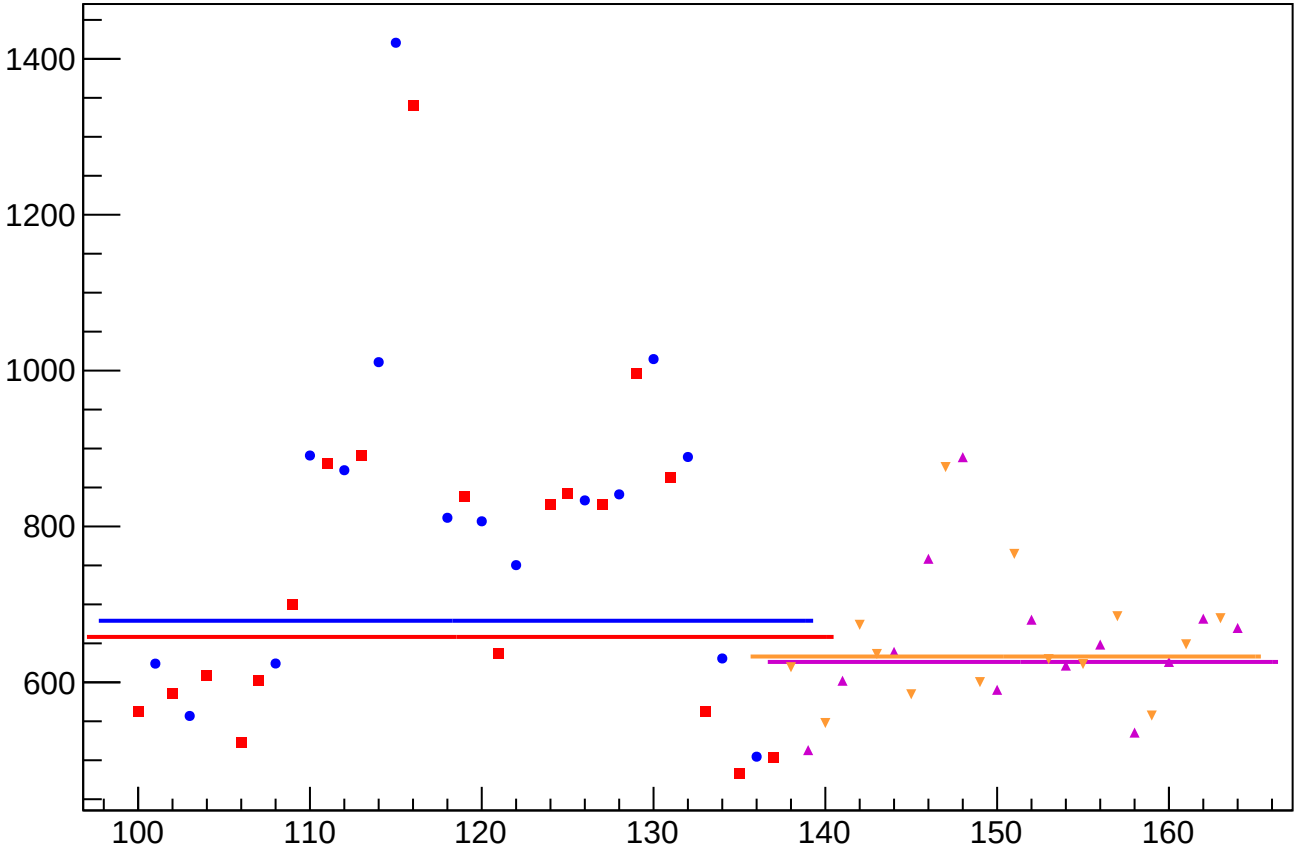
Left In: 218.034+/-191.542 χ^2/NDF:23.3/12

+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 193.949+/-108.148 χ^2/NDF: 67.3/61

- 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: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

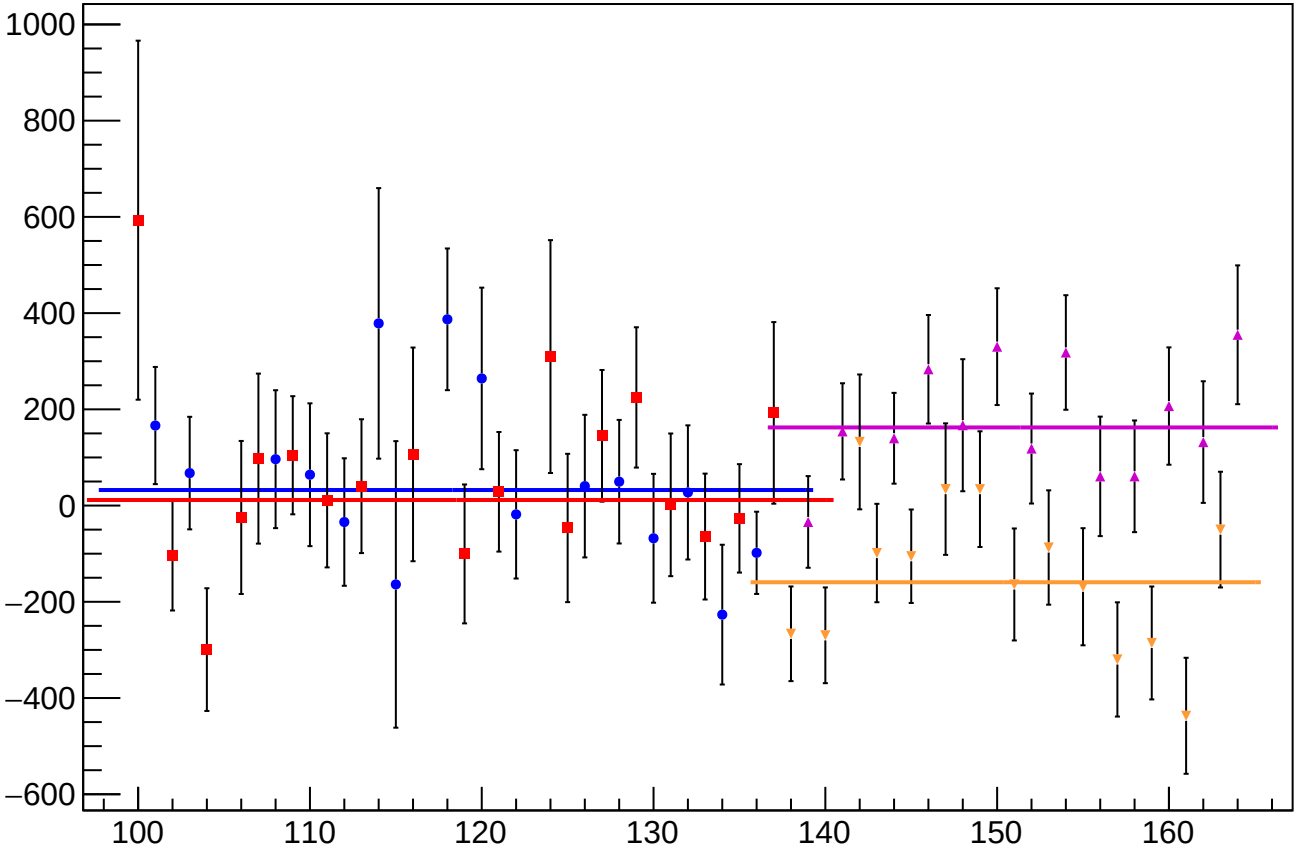
Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

+ sign 649.244+/-0.109 χ^2/NDF: 1092623.9/29

All: 643.576+/-0.076 χ^2/NDF: 2290332.3/61

- 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: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

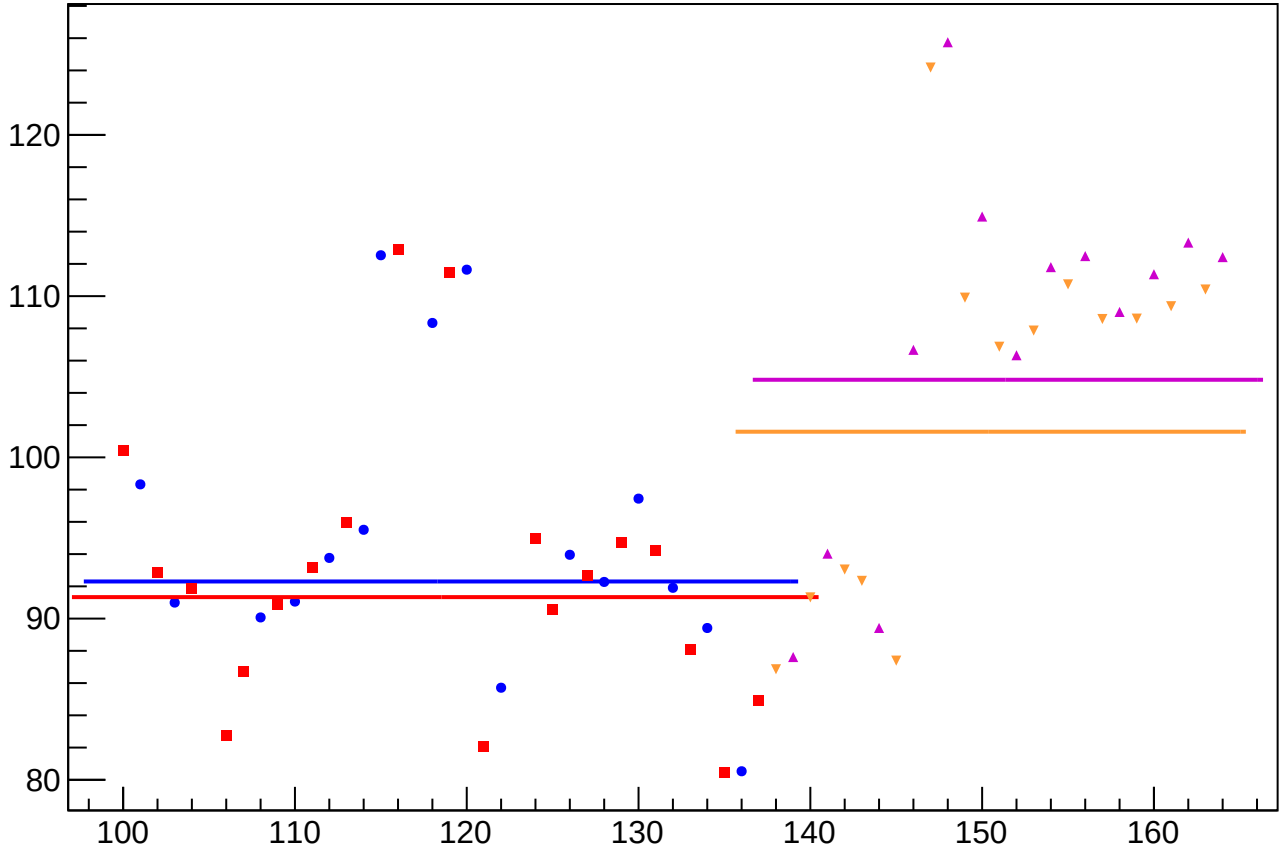
Left In: 162.384+/-31.843 χ^2/NDF:12.6/12

+ sign -75.011+/-22.841 χ^2/NDF: 56.2/29

All: 7.028+/-16.240 χ^2/NDF: 122.7/61

- 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: 101.591+/-0.022 χ^2/NDF:251046.7/13

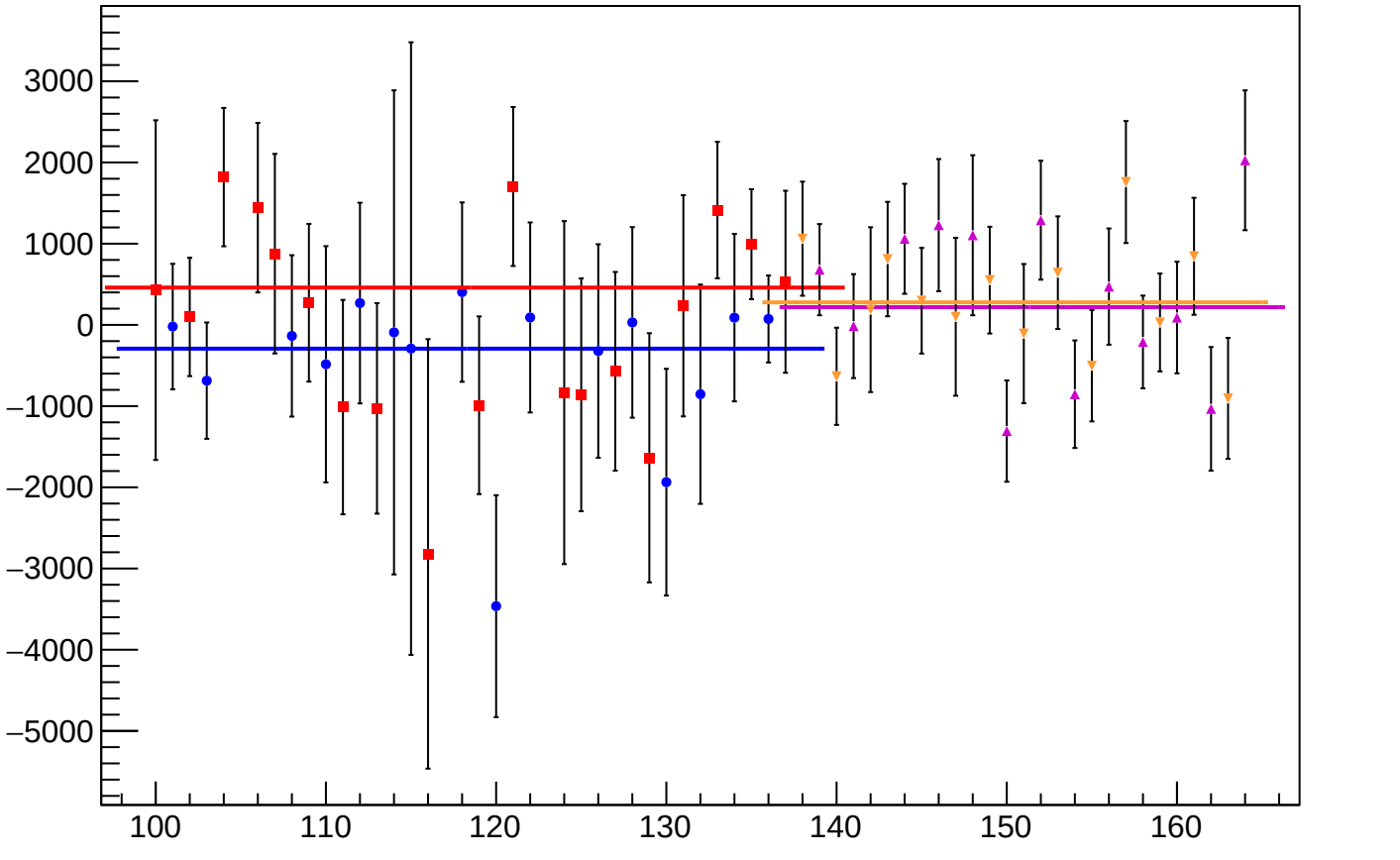
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.503+/-0.016 χ^2/NDF: 439621.5/29

All: 97.958+/-0.011 χ^2/NDF: 956588.7/61

- 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: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

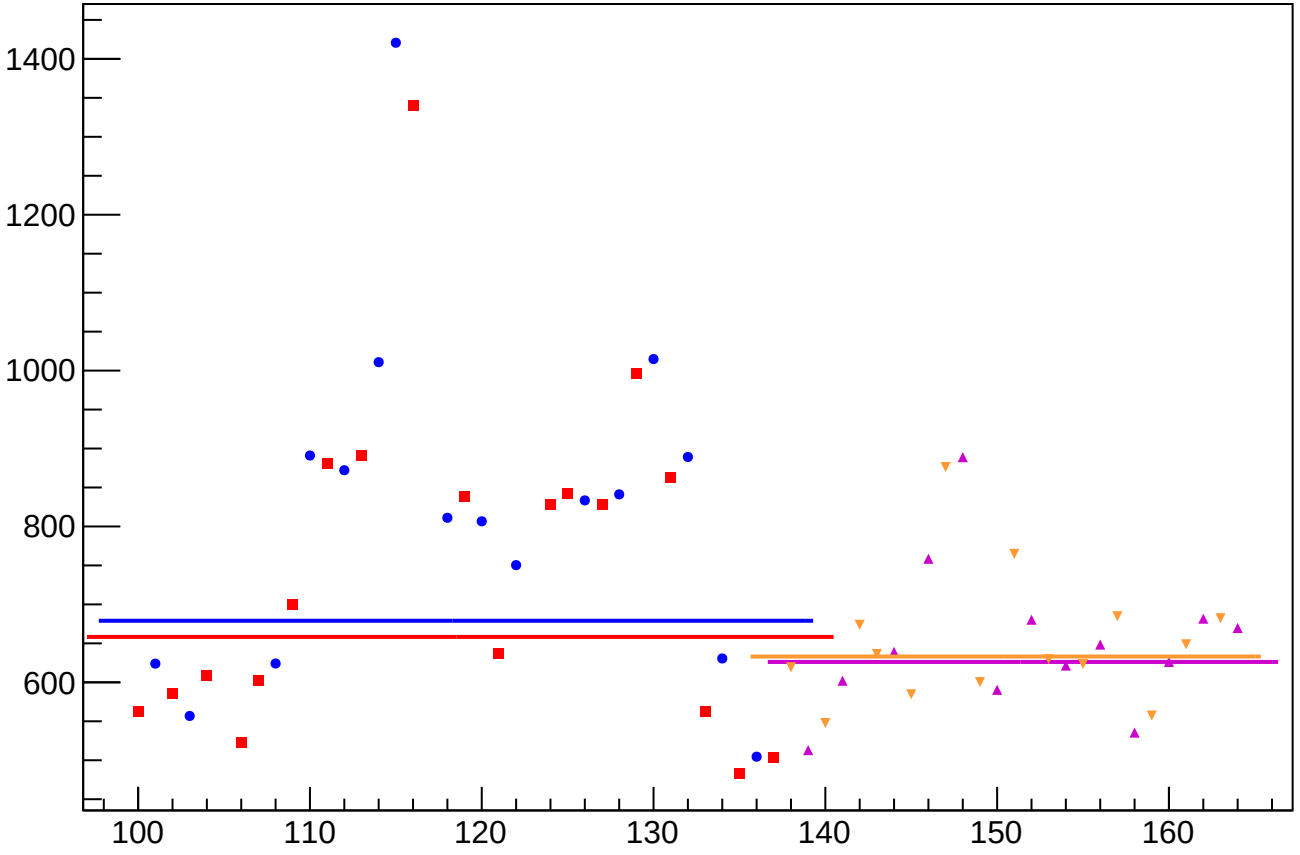
Left In: 218.034+/-191.542 χ^2/NDF:23.3/12

\+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 193.949+/-108.148 χ^2/NDF: 67.3/61

\- 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: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

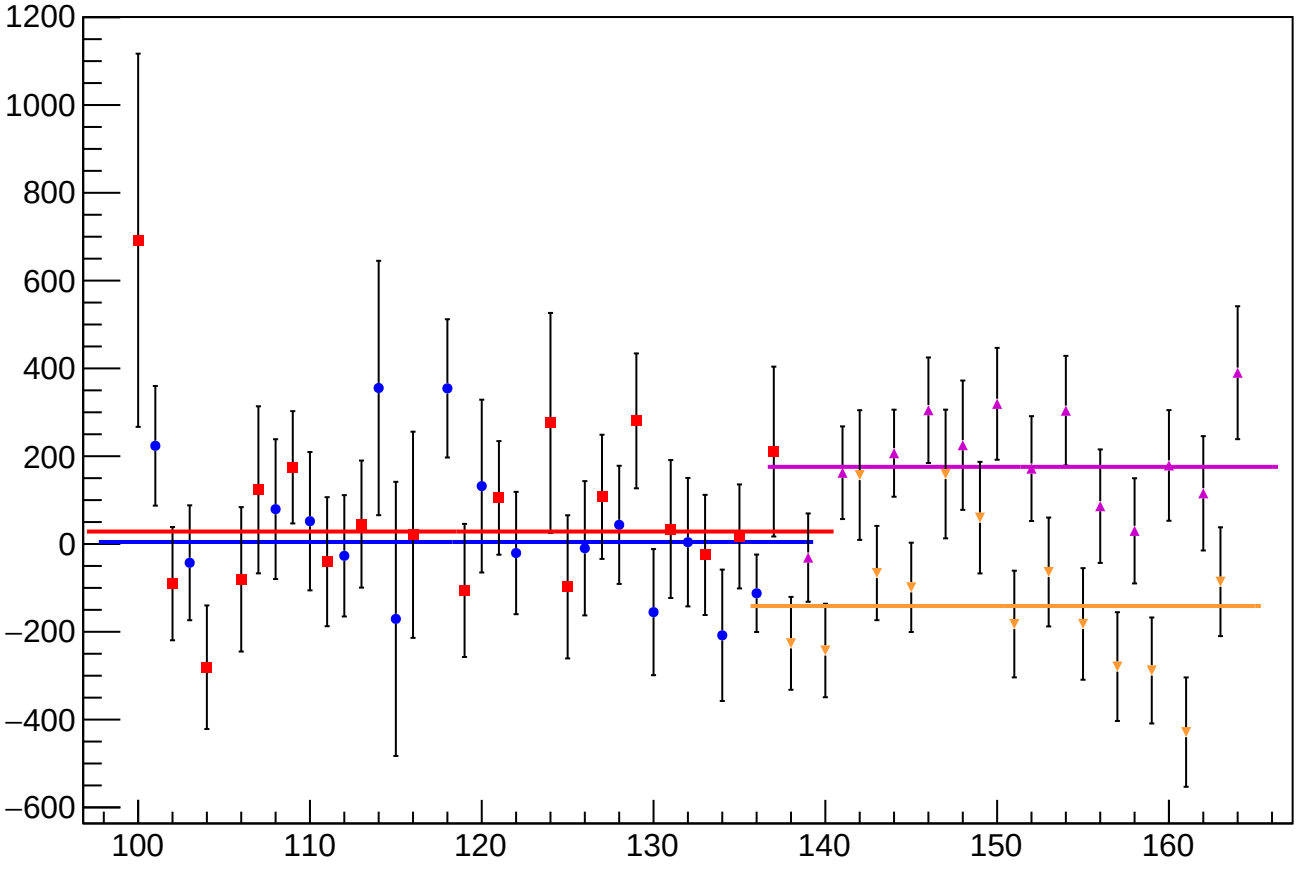
Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

+ sign 649.244+/-0.109 χ^2/NDF: 1092623.9/29

All: 643.576+/-0.076 χ^2/NDF: 2290332.3/61

- 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: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

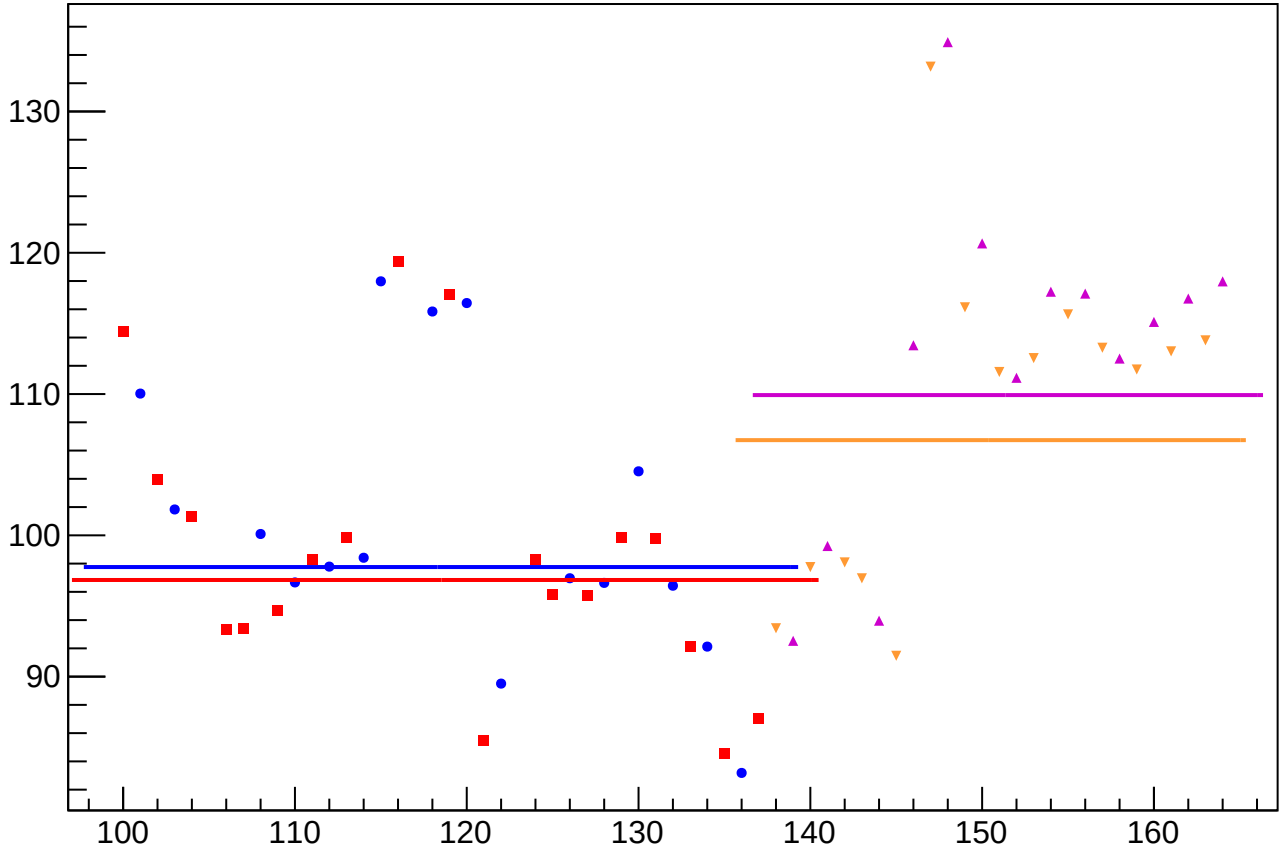
Left In: 175.752+/-33.397 χ^2/NDF:12.1/12

+ sign -77.751+/-24.088 χ^2/NDF: 46.2/29

All: 13.517+/-17.112 χ^2/NDF: 113.6/61

- 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: 106.738+/-0.023 χ^2/NDF:228341.7/13

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

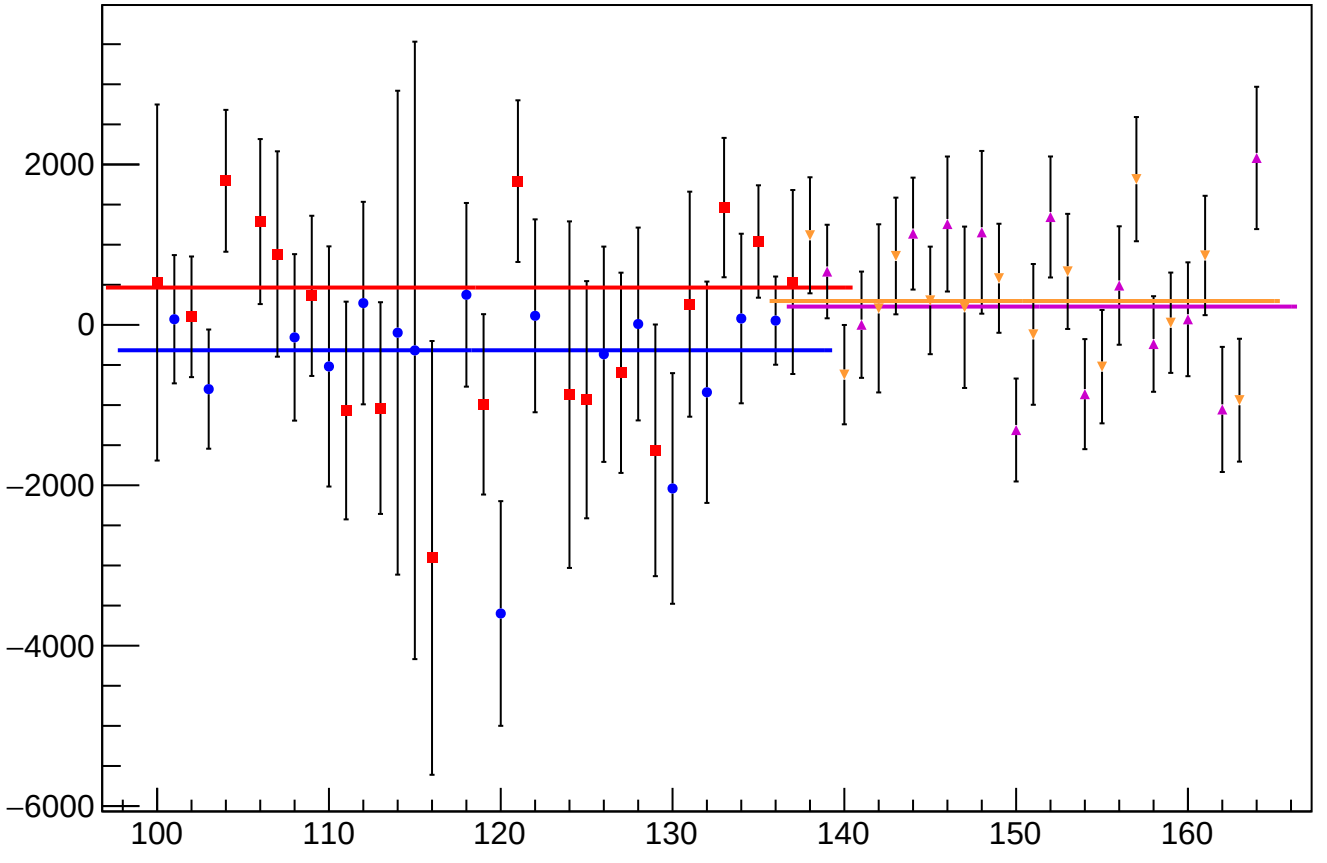
Left In: 109.927+/-0.024 χ^2/NDF:234338.8/12

+ sign 102.828+/-0.017 χ^2/NDF: 437356.7/29

All: 103.298+/-0.012 χ^2/NDF: 932753.5/61

- sign 103.776+/-0.017 χ^2/NDF: 493862.3/31

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

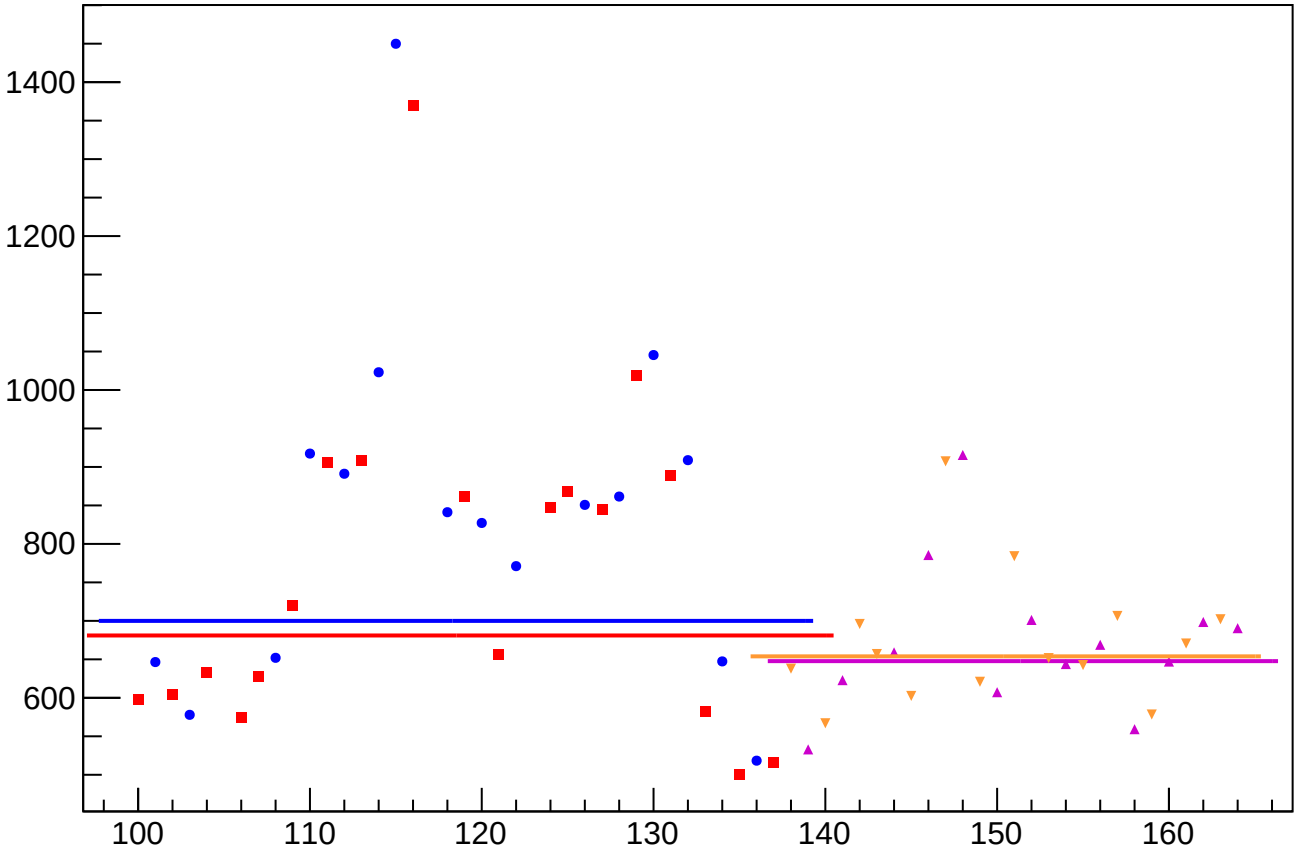
Left In: 228.155+/-197.994 χ^2/NDF:23.0/12

+ sign 81.108+/-158.829 χ^2/NDF: 25.9/29

All: 200.464+/-111.572 χ^2/NDF: 67.1/61

- 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: 653.883+/-0.140 χ^2/NDF:278803.4/13

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

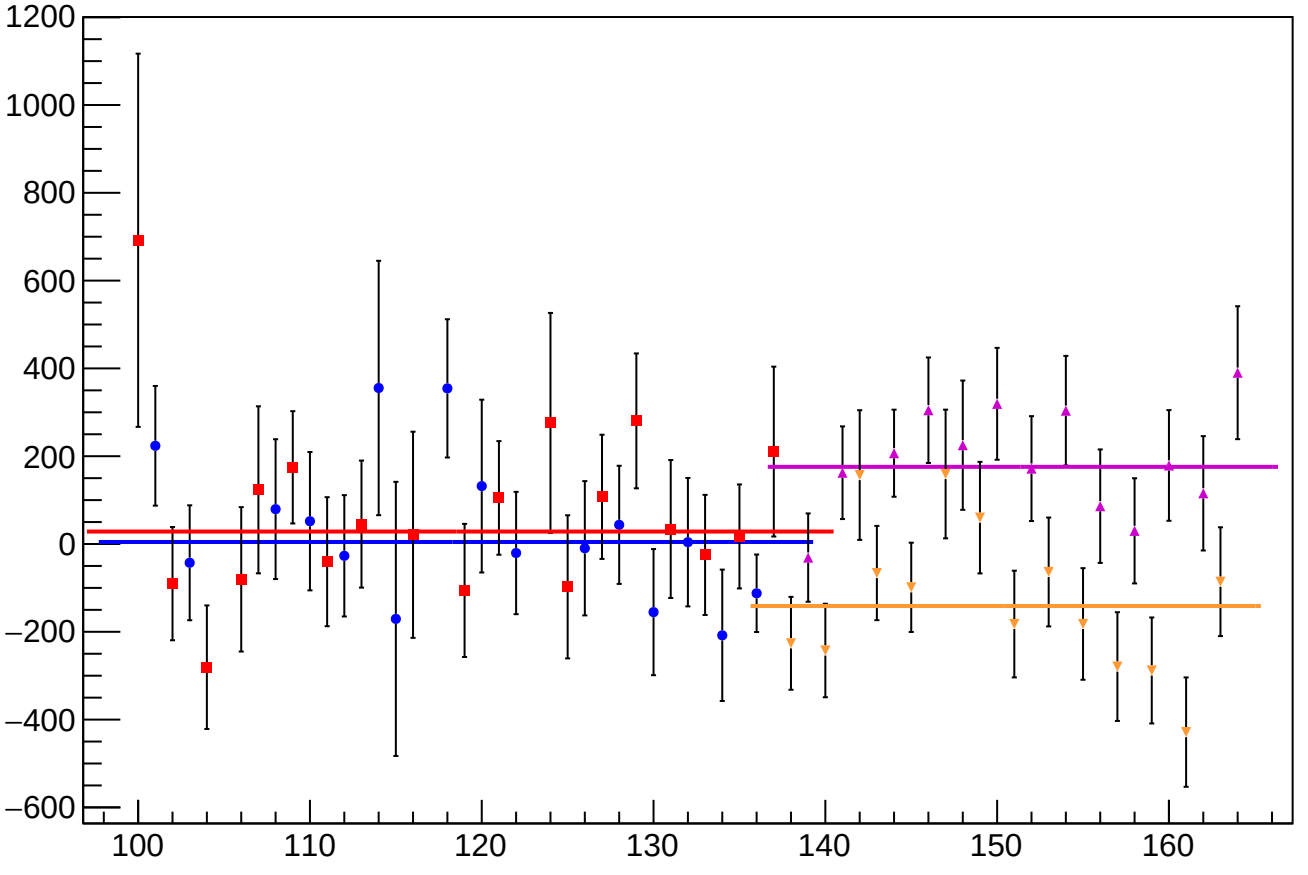
Left In: 647.679+/-0.140 χ^2/NDF:350650.4/12

+ sign 670.130+/-0.112 χ^2/NDF: 1070909.0/29

All: 665.058+/-0.079 χ^2/NDF: 2216137.3/61

- 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: -141.252+/-32.056 χ^2/NDF:21.9/13

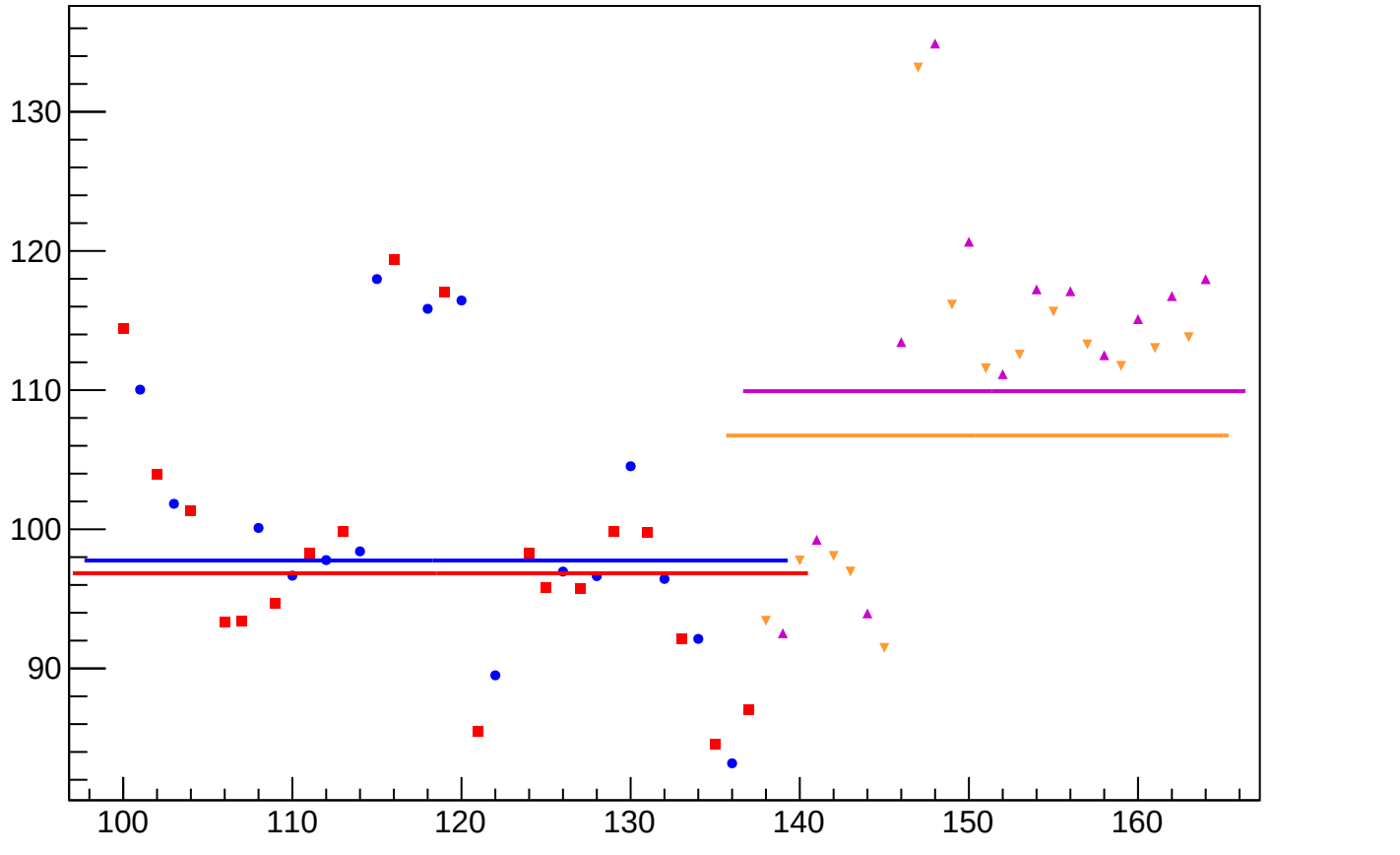
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 175.753+/-33.397 χ^2/NDF:12.1/12

+ sign -77.750+/-24.088 χ^2/NDF: 46.2/29

All: 13.518+/-17.112 χ^2/NDF: 113.6/61

- 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: 106.738+/-0.023 χ^2/NDF:228341.1/13

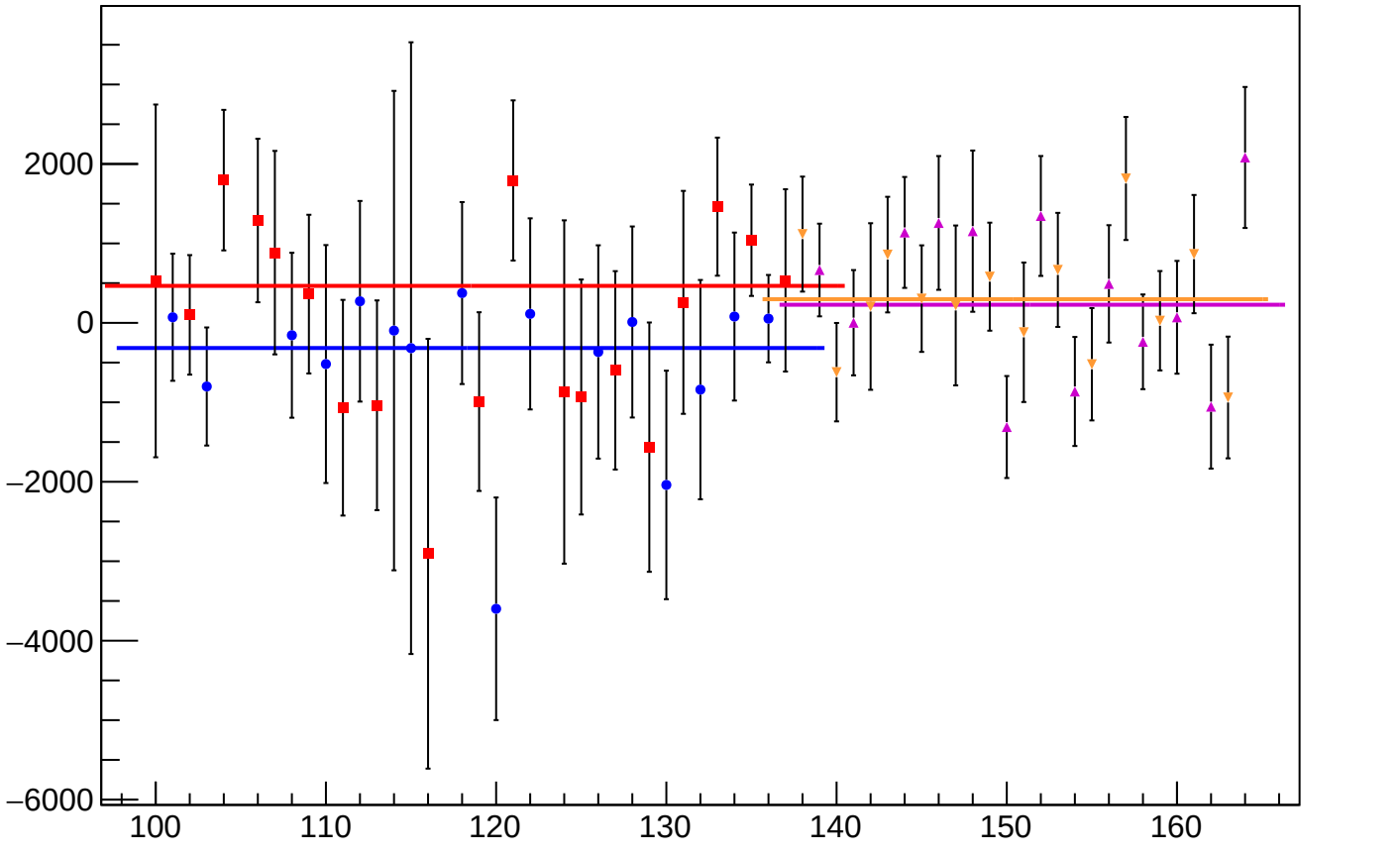
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.927+/-0.024 χ^2/NDF:234336.6/12

\+ sign 102.828+/-0.017 χ^2/NDF: 437362.1/29

All: 103.298+/-0.012 χ^2/NDF: 932768.6/61

\- 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: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

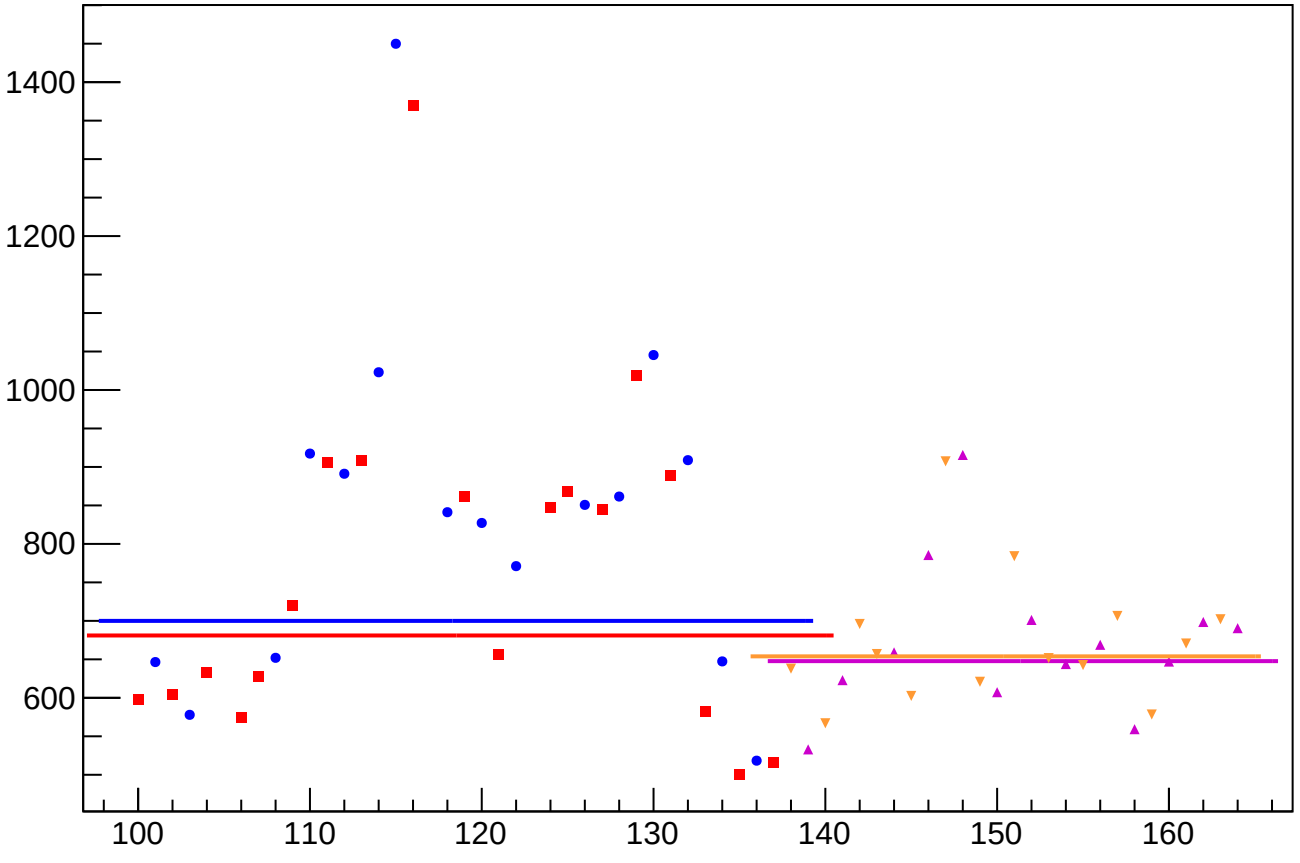
Left In: 228.155+/-197.994 χ^2/NDF:23.0/12

+ sign 81.108+/-158.829 χ^2/NDF: 25.9/29

All: 200.464+/-111.572 χ^2/NDF: 67.1/61

- 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: 653.884+/-0.140 χ^2/NDF:278803.9/13

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

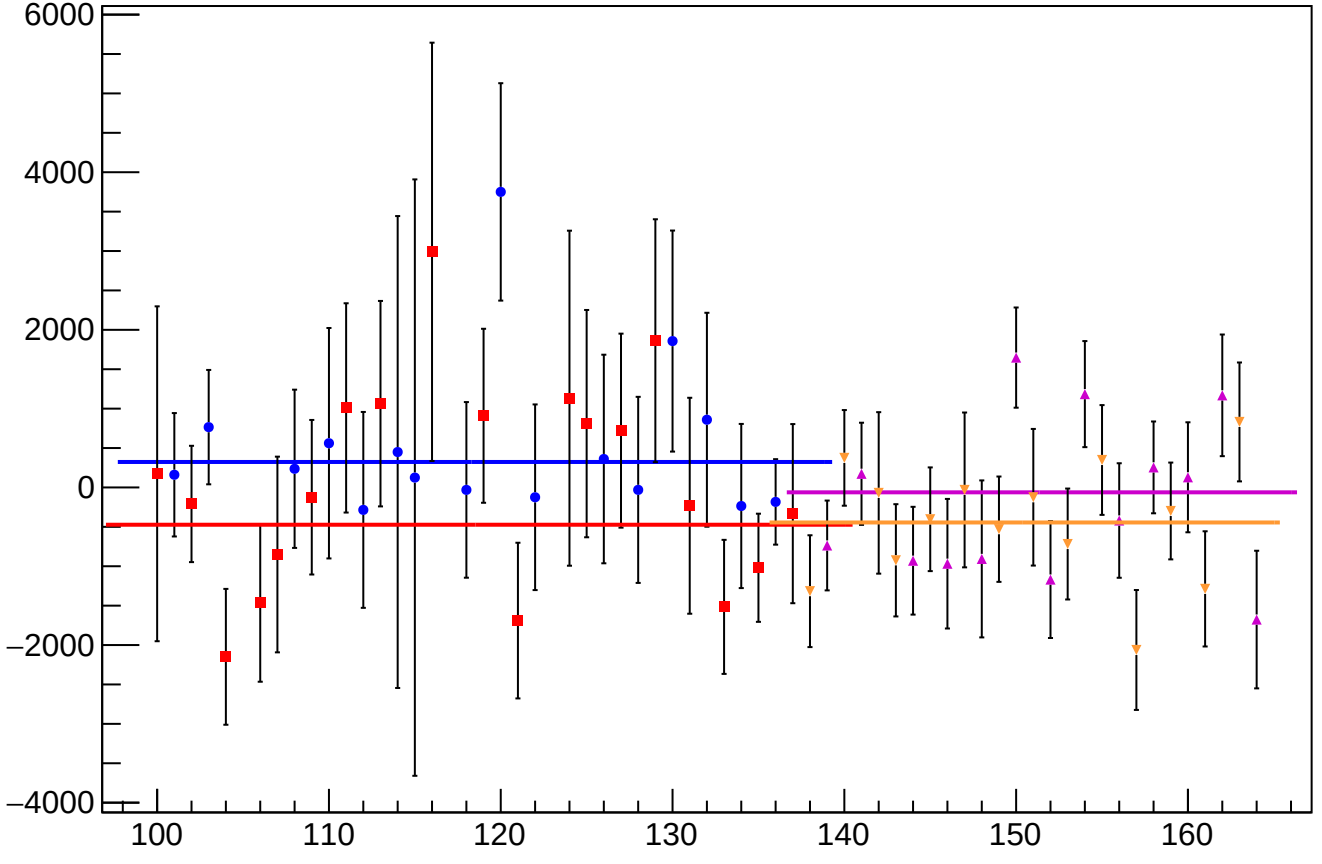
Left In: 647.680+/-0.140 χ^2/NDF:350650.9/12

+ sign 670.130+/-0.112 χ^2/NDF: 1070908.6/29

All: 665.058+/-0.079 χ^2/NDF: 2216138.0/61

- 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: -444.587+/-193.792 χ^2/NDF:14.5/13

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

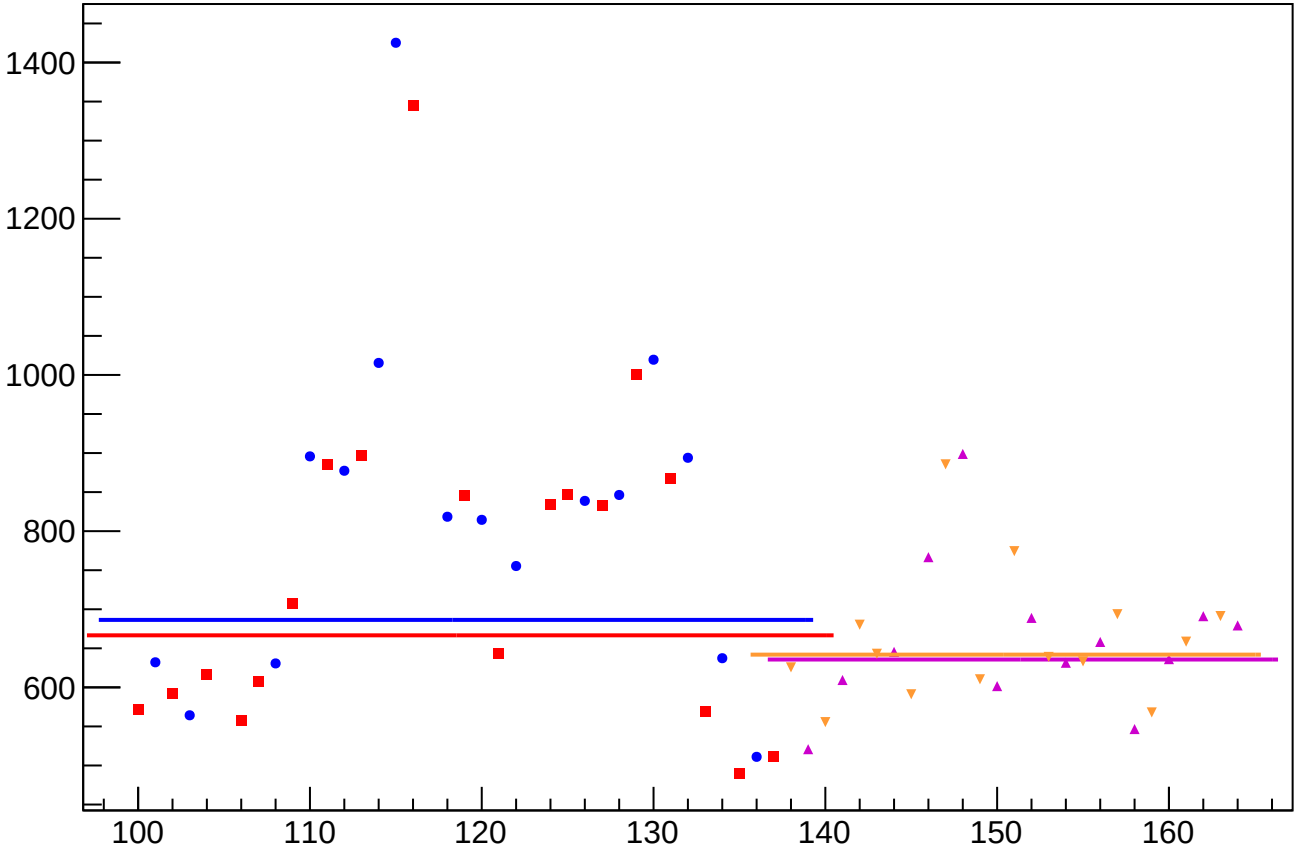
Left In: -62.055+/-194.372 χ^2/NDF:24.5/12

+ sign -173.519+/-155.873 χ^2/NDF: 29.7/29

All: -195.021+/-109.463 χ^2/NDF: 75.4/61

- 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: 641.925+/-0.137 χ^2/NDF:278669.4/13

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

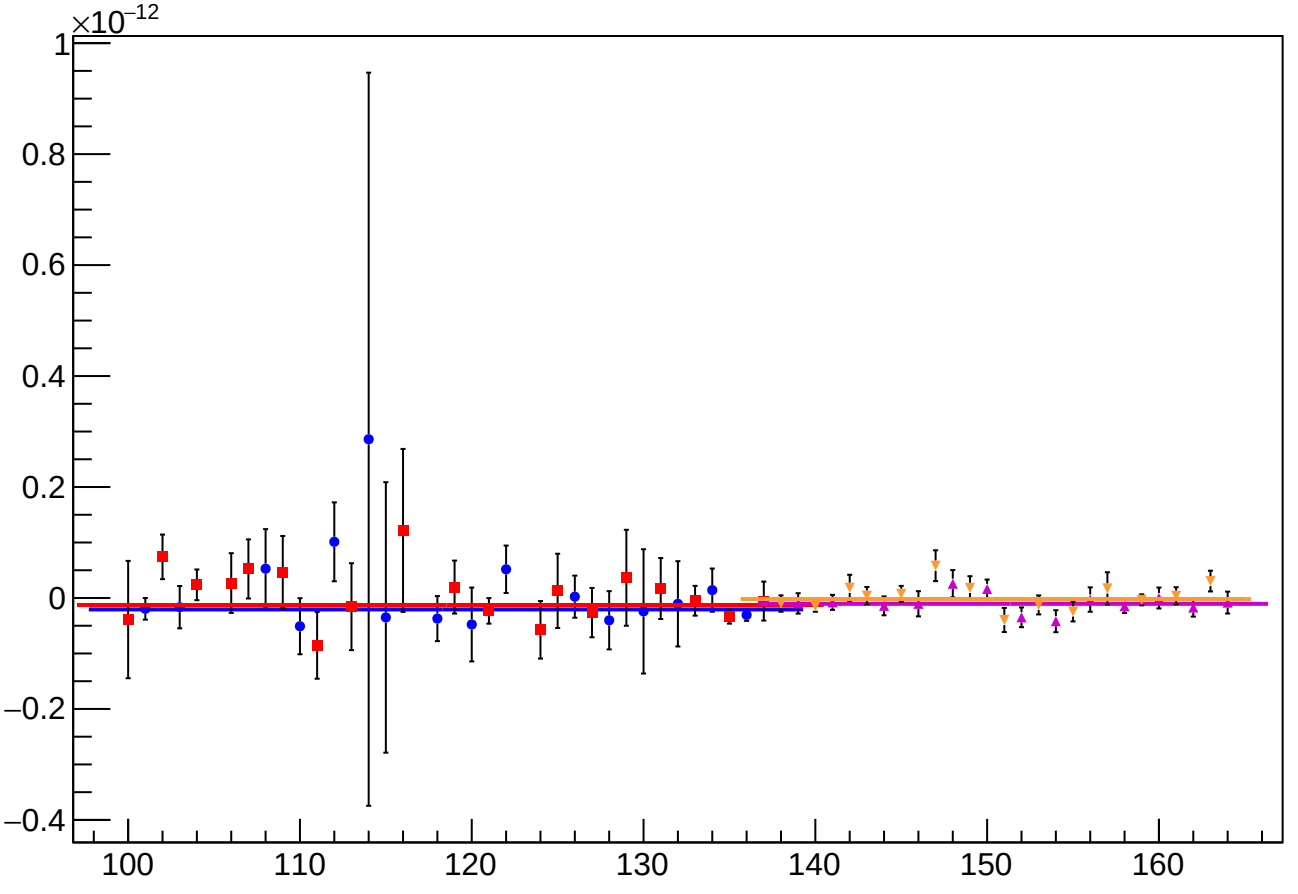
Left In: 635.657+/-0.137 χ^2/NDF:355399.2/12

+ sign 657.625+/-0.110 χ^2/NDF: 1065303.9/29

All: 652.367+/-0.077 χ^2/NDF: 2221238.8/61

- 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:17.4/13

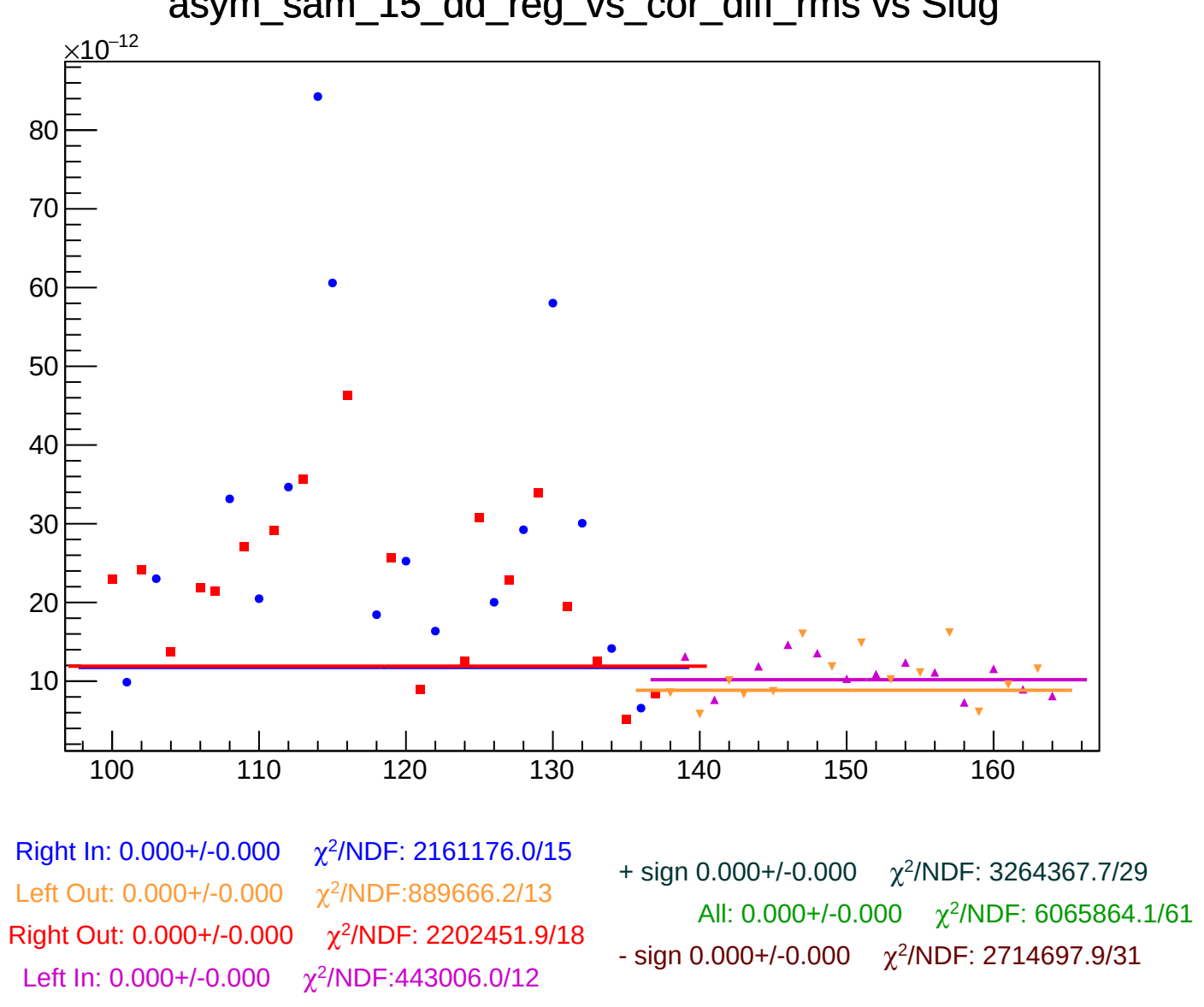
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/29

All: -0.000+/-0.000 χ^2/NDF: 59.6/61

- sign -0.000+/-0.000 χ^2/NDF: 27.0/31


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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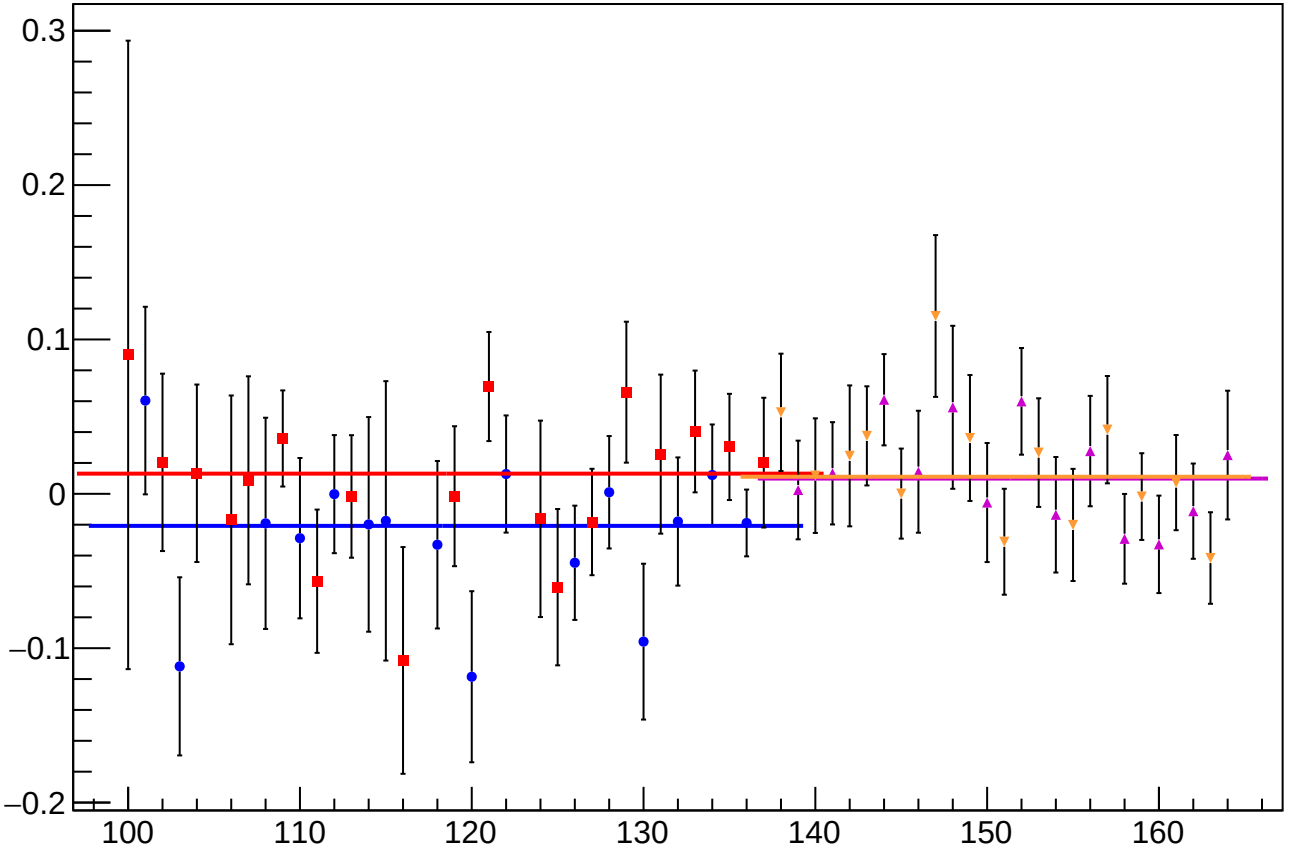
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889666.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:443006.0/12
+ sign 0.000+/-0.000 χ²/NDF: 3264367.7/29
All: 0.000+/-0.000 χ²/NDF: 6065864.1/61
- sign 0.000+/-0.000 χ²/NDF: 2714697.9/31

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: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

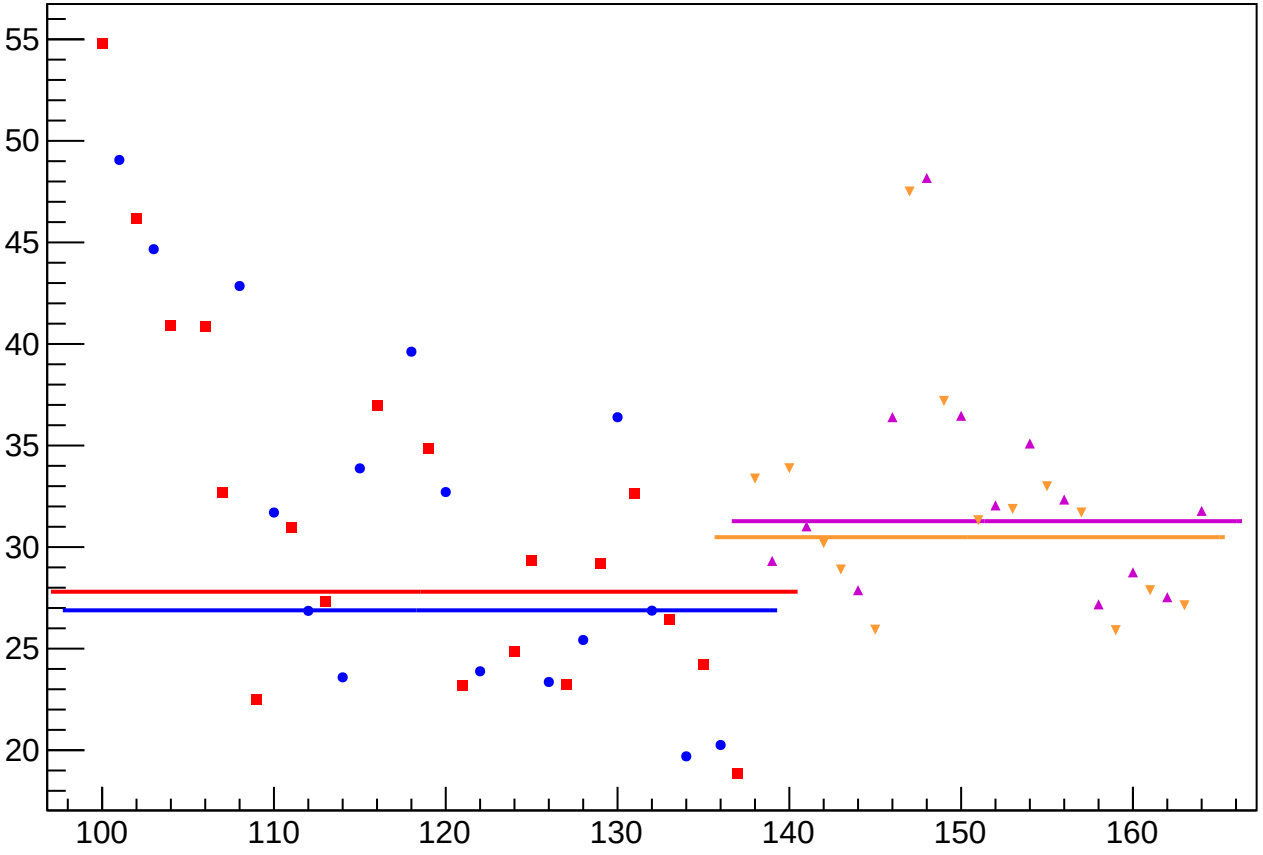
Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.7/61

- 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: 30.489+/-0.007 χ^2/NDF:456296.4/13

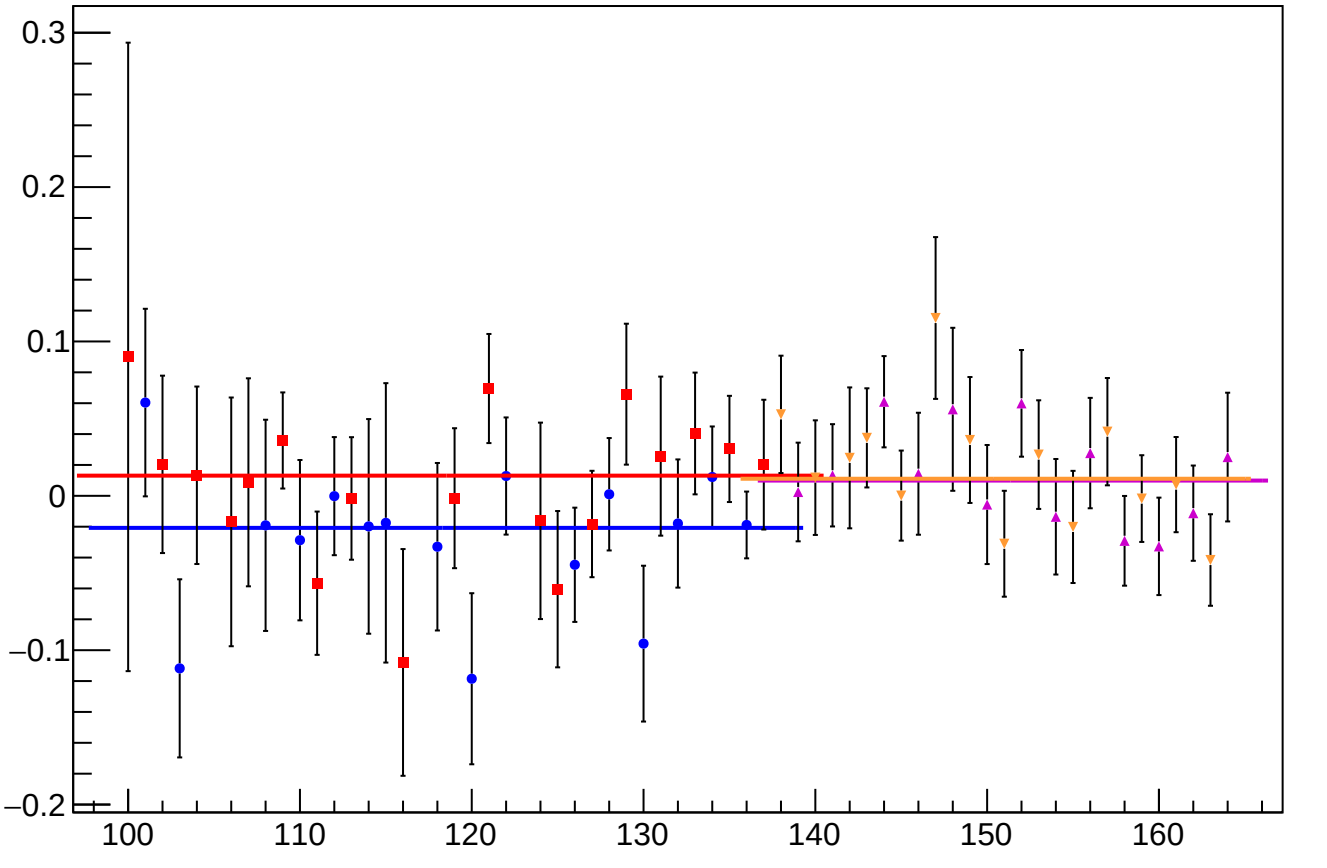
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

+ sign 28.917+/-0.005 χ^2/NDF: 1709383.9/29

All: 29.300+/-0.004 χ^2/NDF: 3018296.4/61

- 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: 0.011+/-0.009 χ^2/NDF:13.0/13

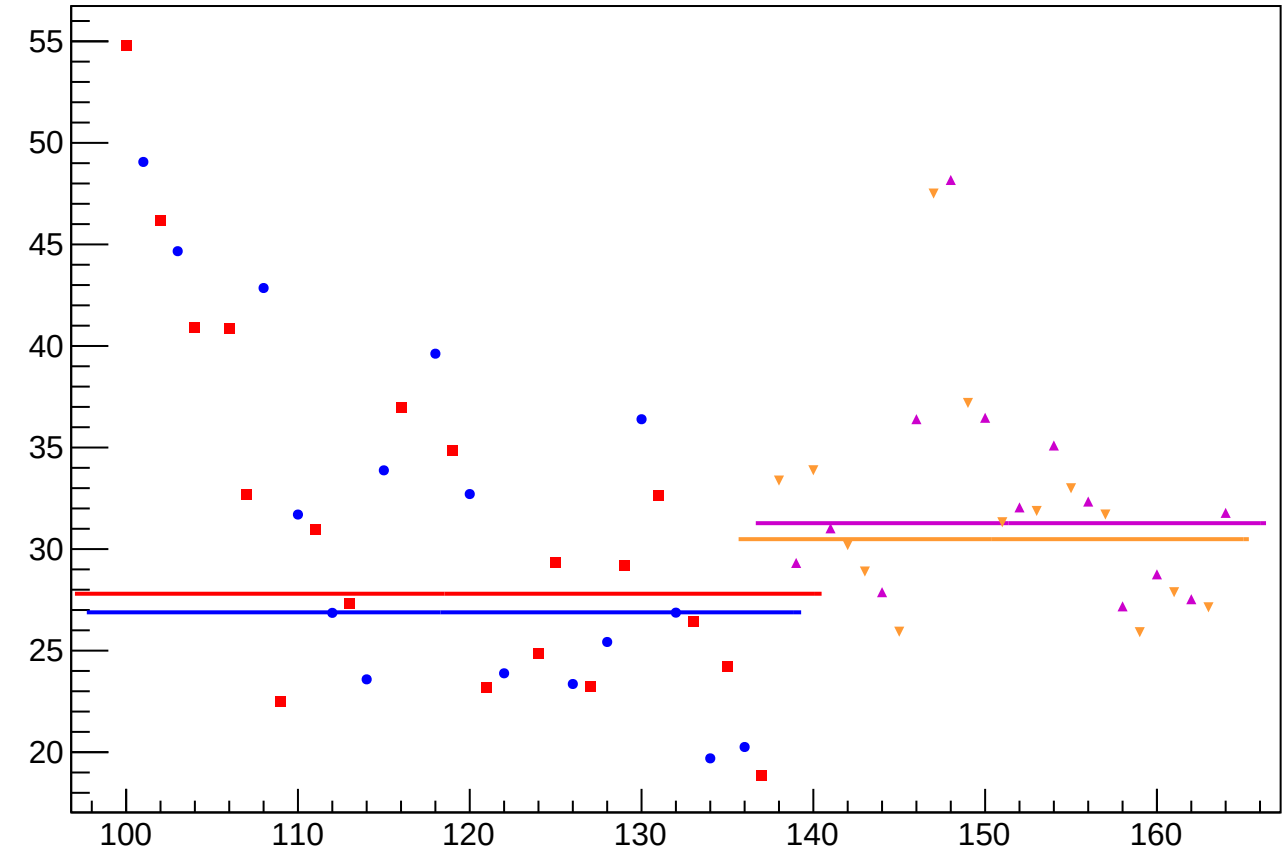
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.7/61

- 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: 30.489+/-0.007 χ^2/NDF:456296.4/13

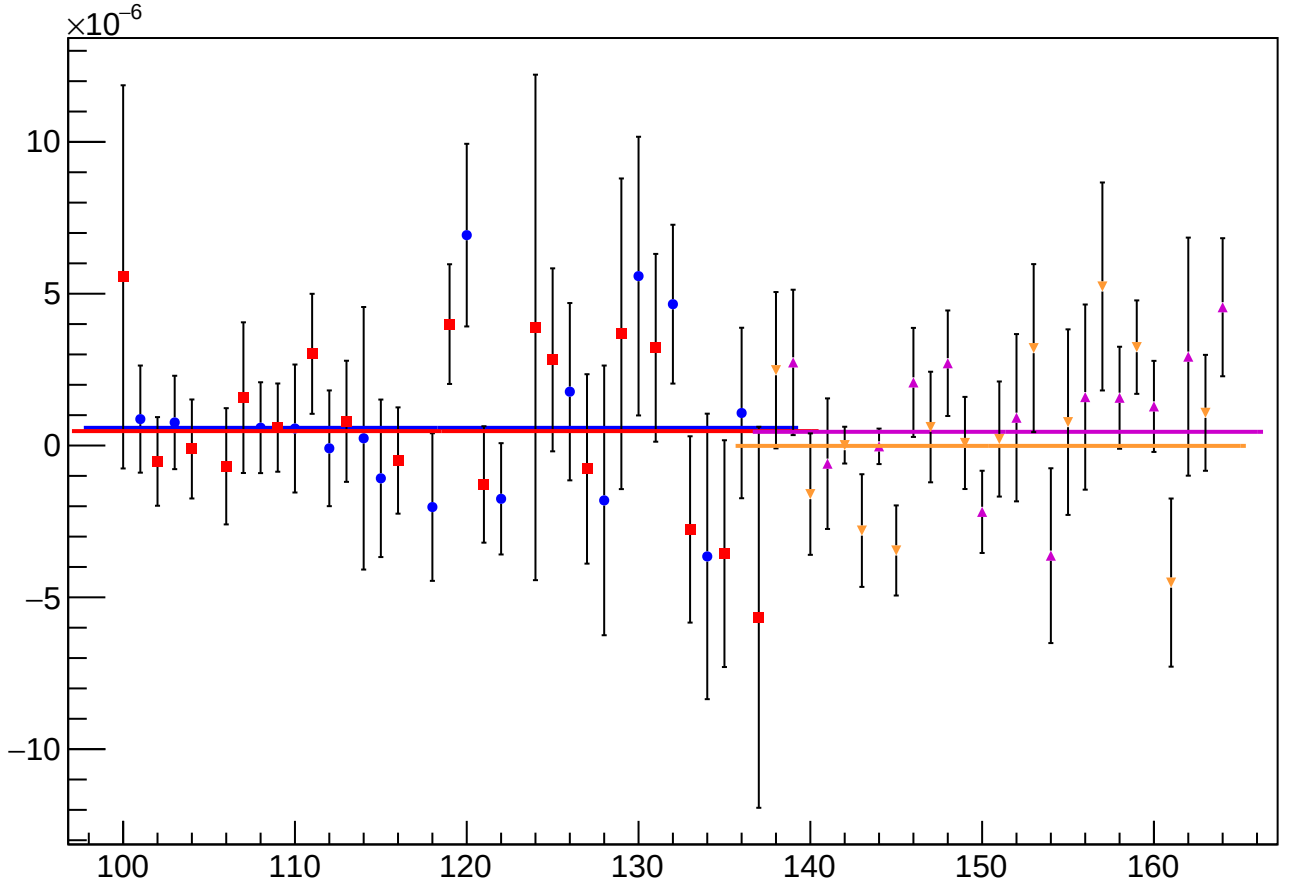
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

+ sign 28.917+/-0.005 χ^2/NDF: 1709383.9/29

All: 29.300+/-0.004 χ^2/NDF: 3018296.4/61

- 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:20.6/13

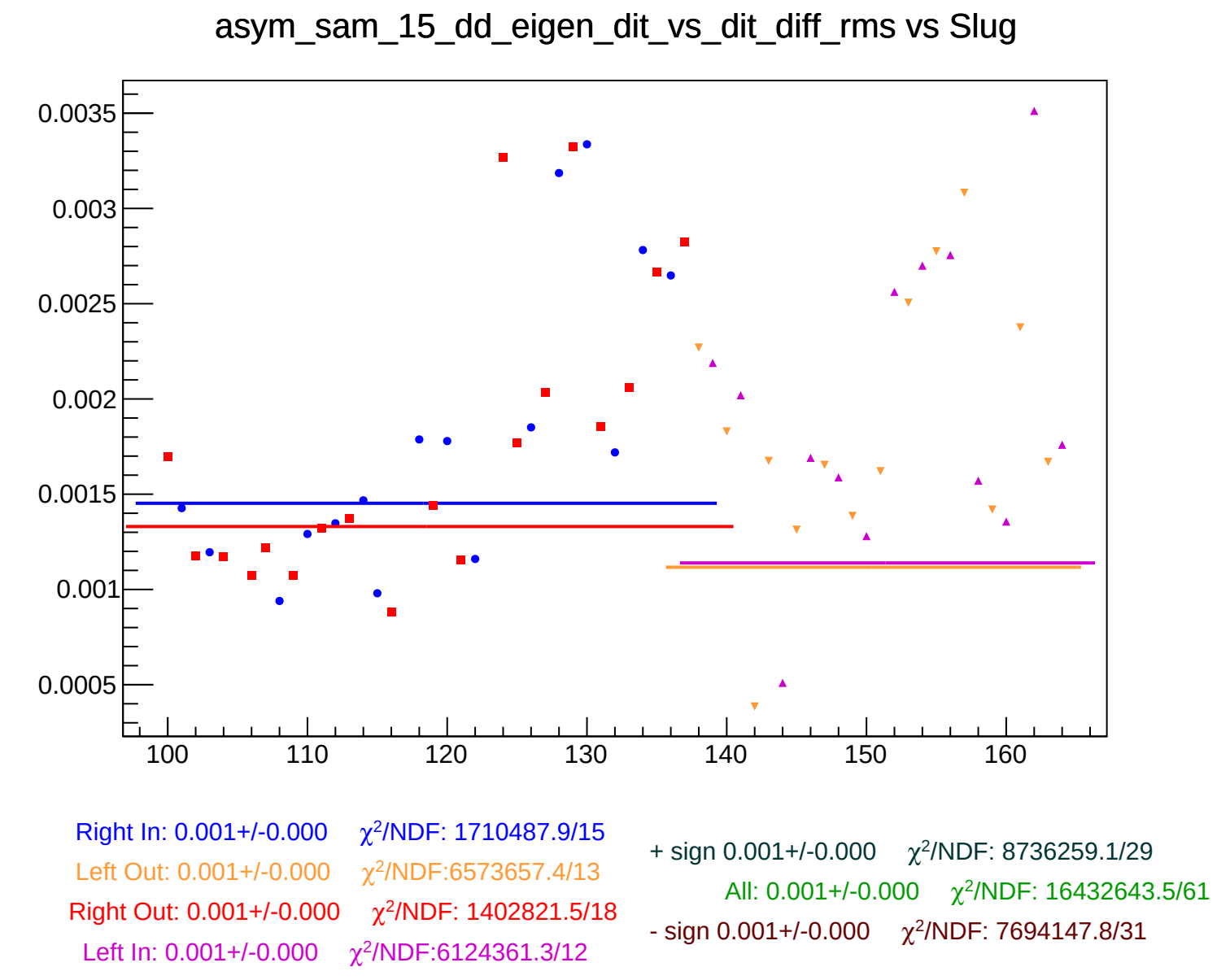
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/29

All: 0.000+/-0.000 χ^2/NDF: 62.2/61

- sign 0.000+/-0.000 χ^2/NDF: 27.9/31


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
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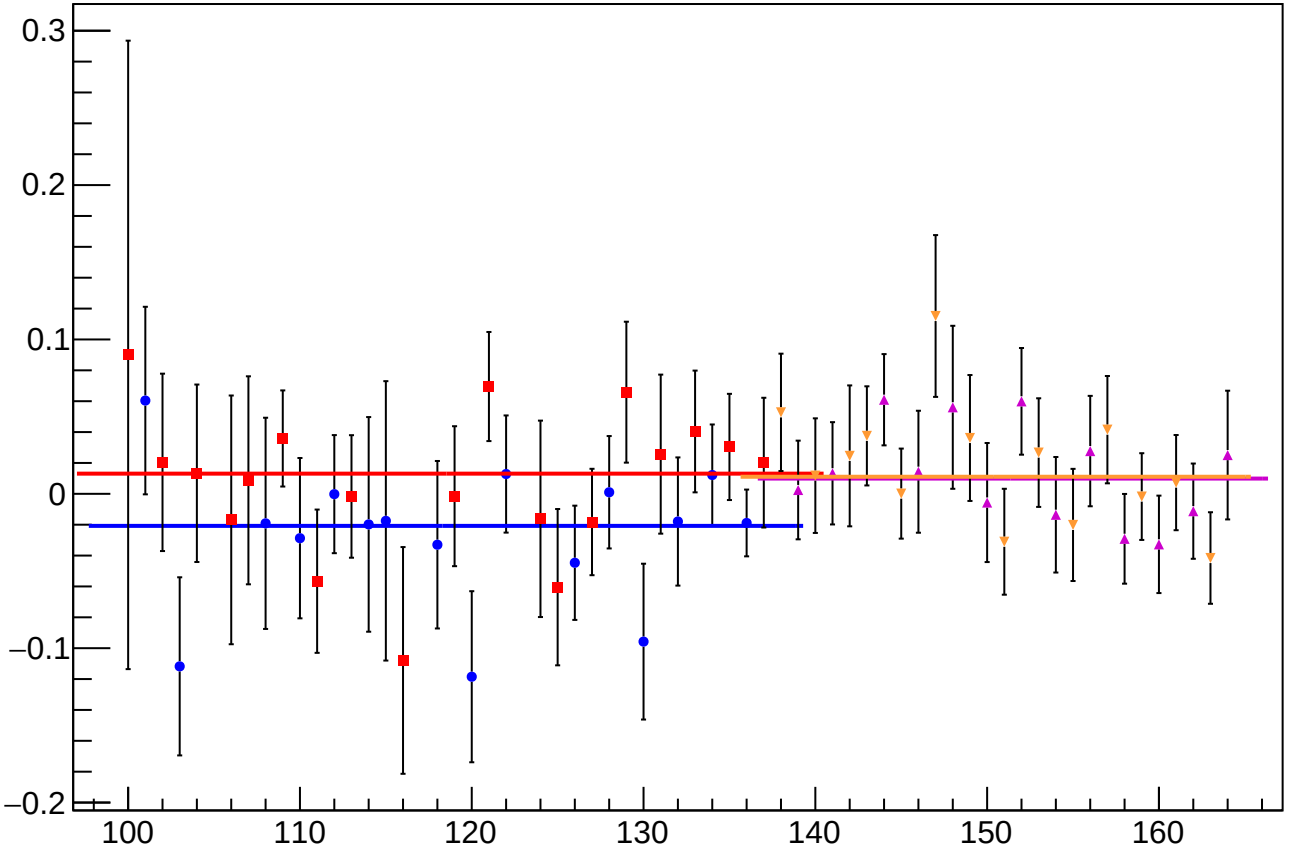
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6573657.4/13
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6124361.3/12
+ sign 0.001+/-0.000 χ²/NDF: 8736259.1/29
All: 0.001+/-0.000 χ²/NDF: 16432643.5/61
- sign 0.001+/-0.000 χ²/NDF: 7694147.8/31

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

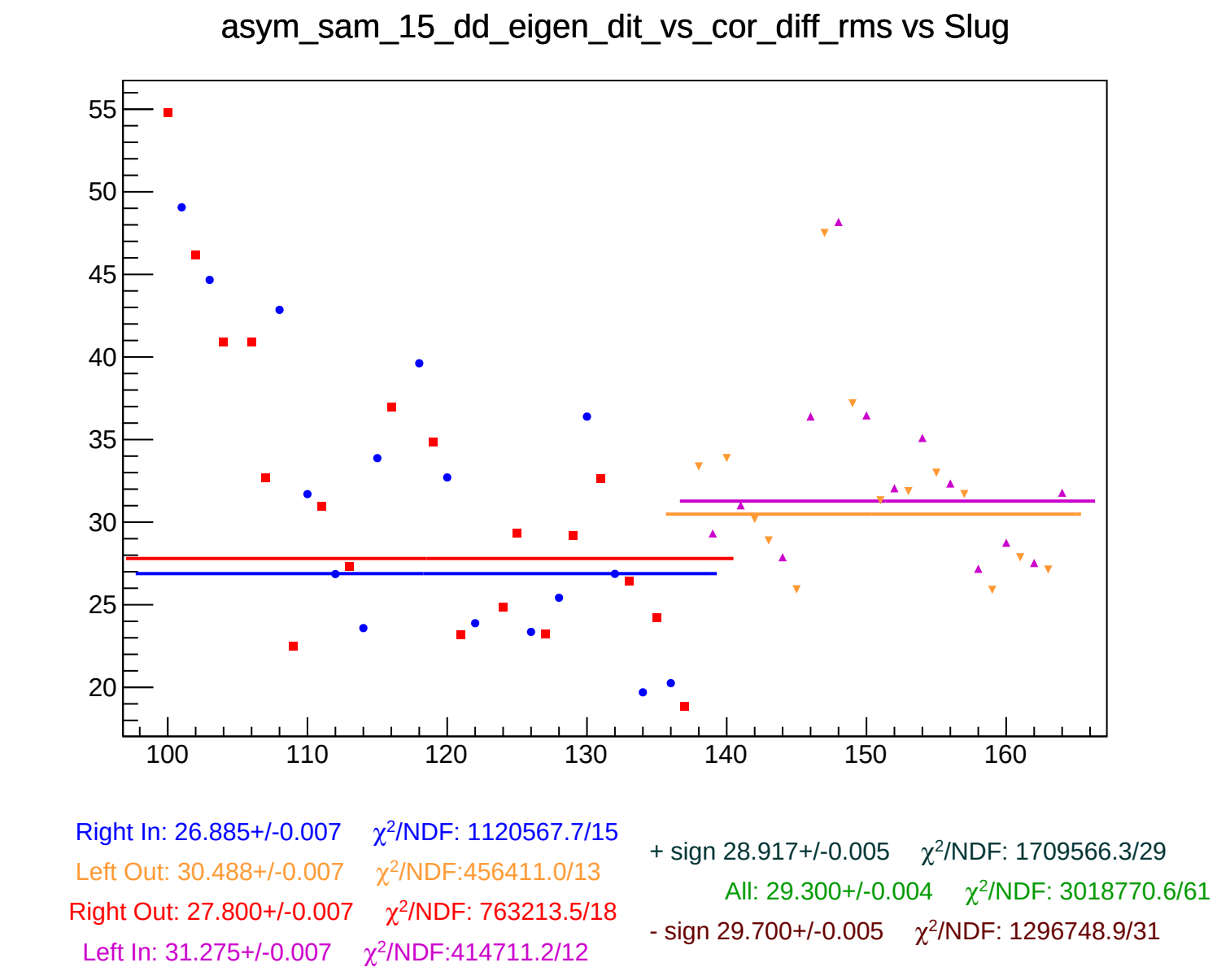
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.7/61

- sign 0.011+/-0.007 χ^2/NDF: 24.9/31


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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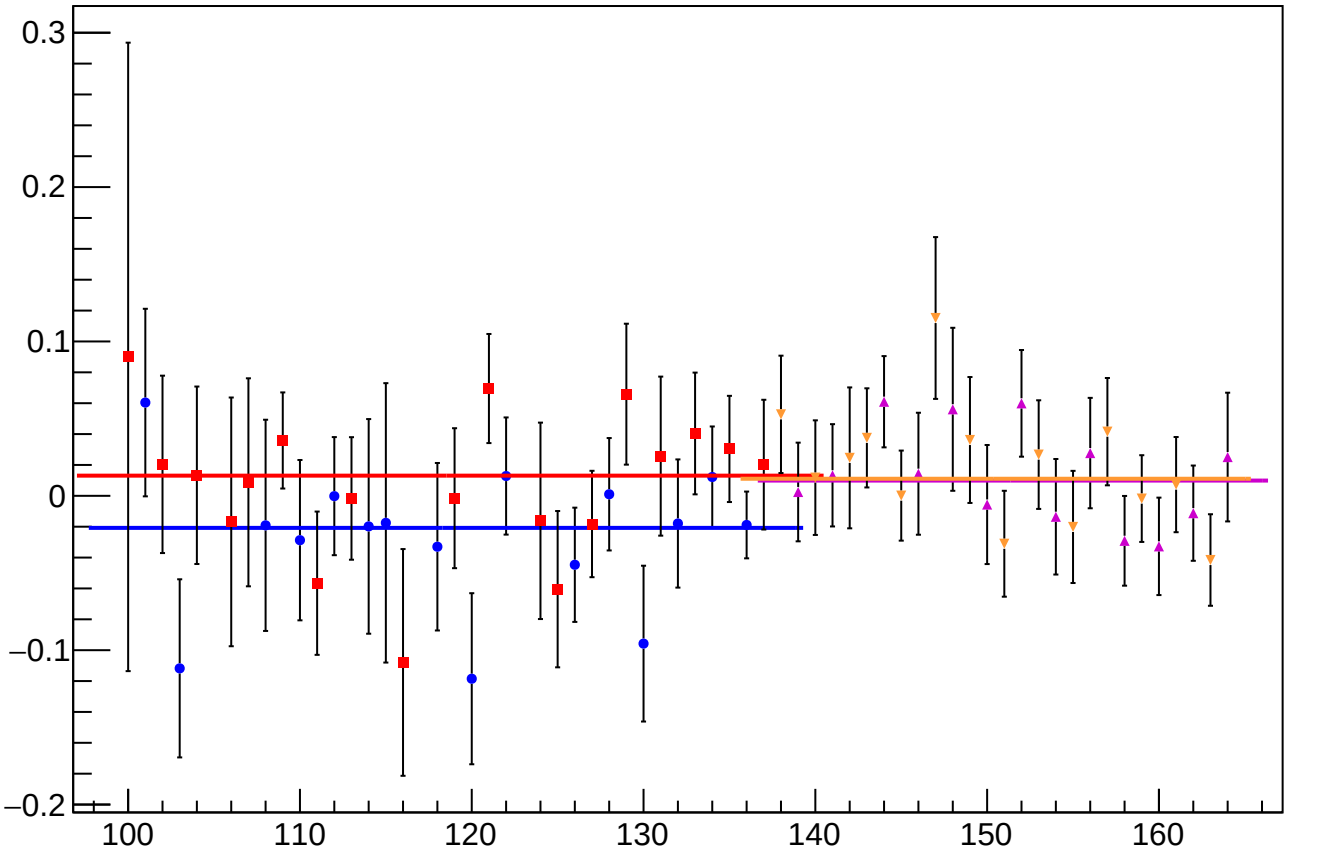
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.488+/-0.007 χ²/NDF:456411.0/13
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.275+/-0.007 χ²/NDF:414711.2/12
+ sign 28.917+/-0.005 χ²/NDF: 1709566.3/29
All: 29.300+/-0.004 χ²/NDF: 3018770.6/61
- sign 29.700+/-0.005 χ²/NDF: 1296748.9/31



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

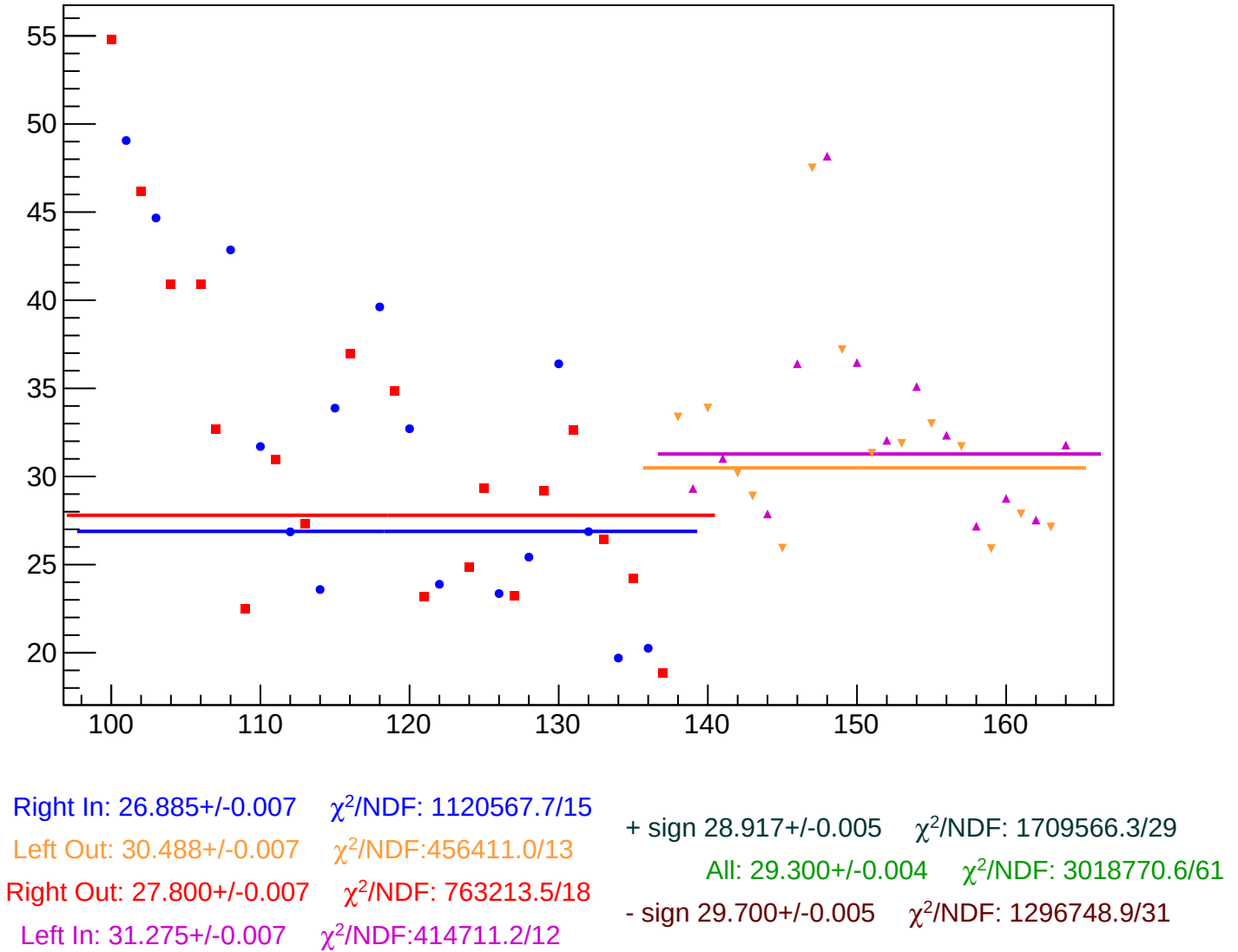
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.7/61

- sign 0.011+/-0.007 χ^2/NDF: 24.9/31


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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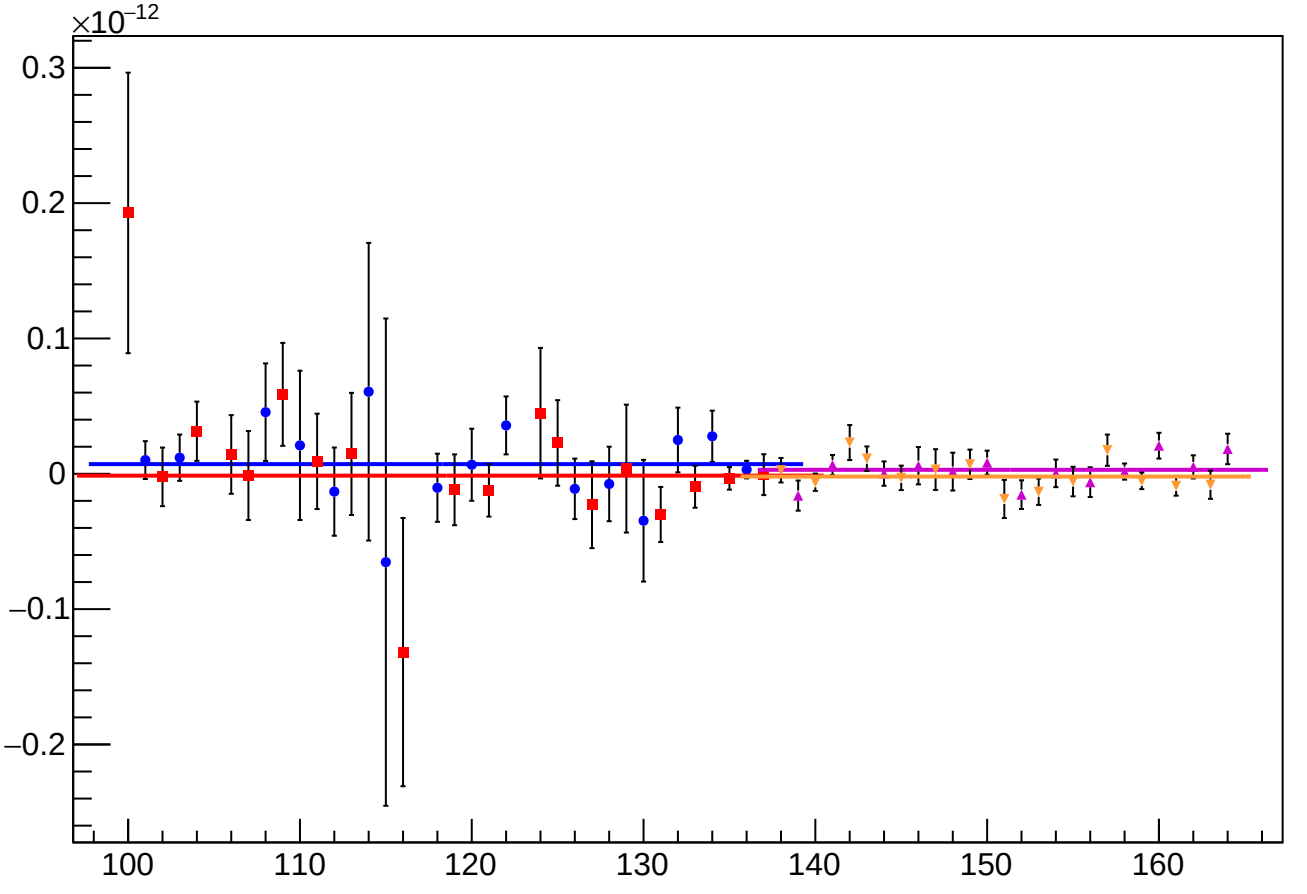
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.488+/-0.007 χ²/NDF:456411.0/13
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.275+/-0.007 χ²/NDF:414711.2/12
+ sign 28.917+/-0.005 χ²/NDF: 1709566.3/29
All: 29.300+/-0.004 χ²/NDF: 3018770.6/61
- sign 29.700+/-0.005 χ²/NDF: 1296748.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/13

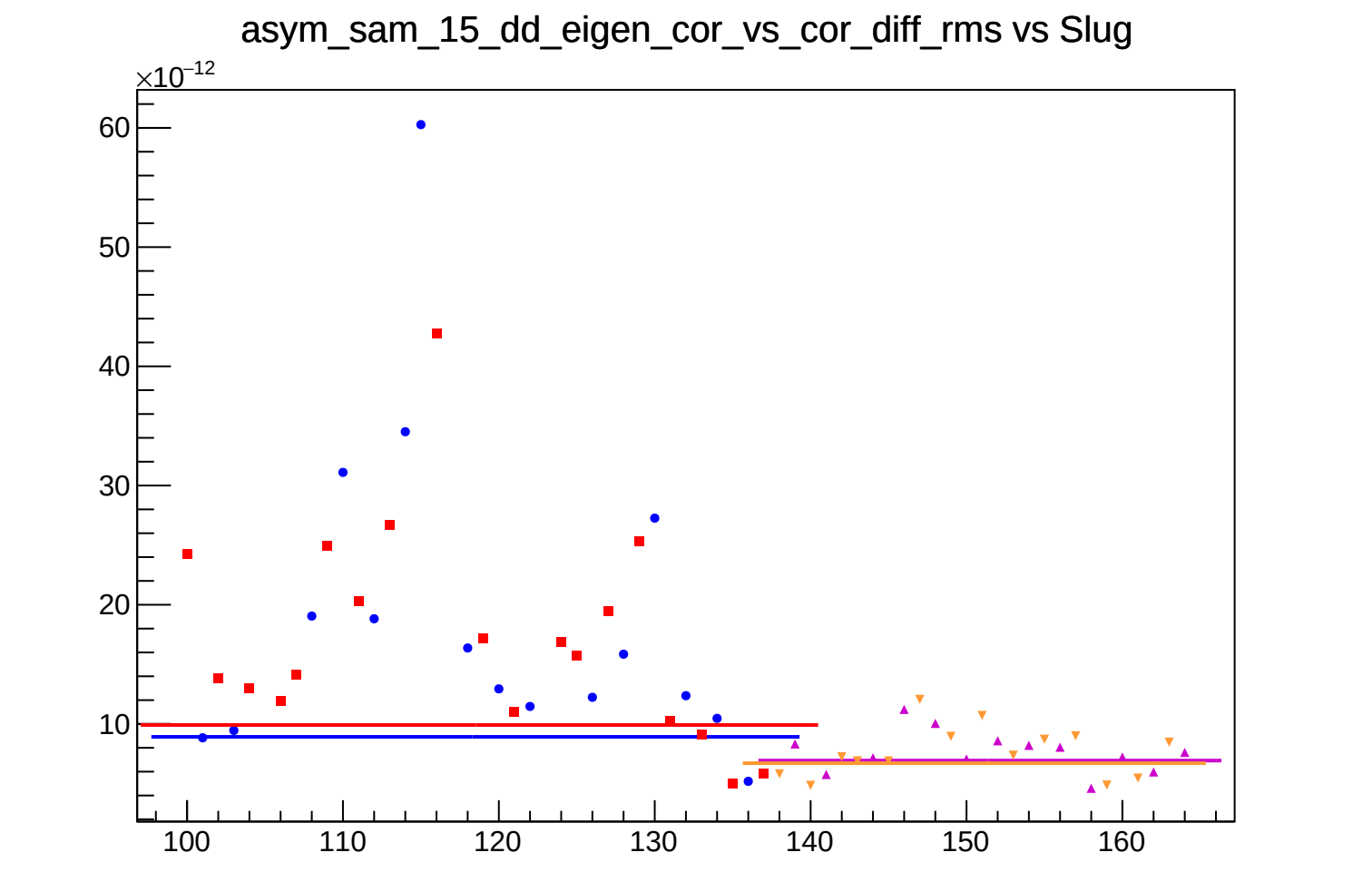
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 55.1/61

- sign 0.000+/-0.000 χ^2/NDF: 28.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1141485.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

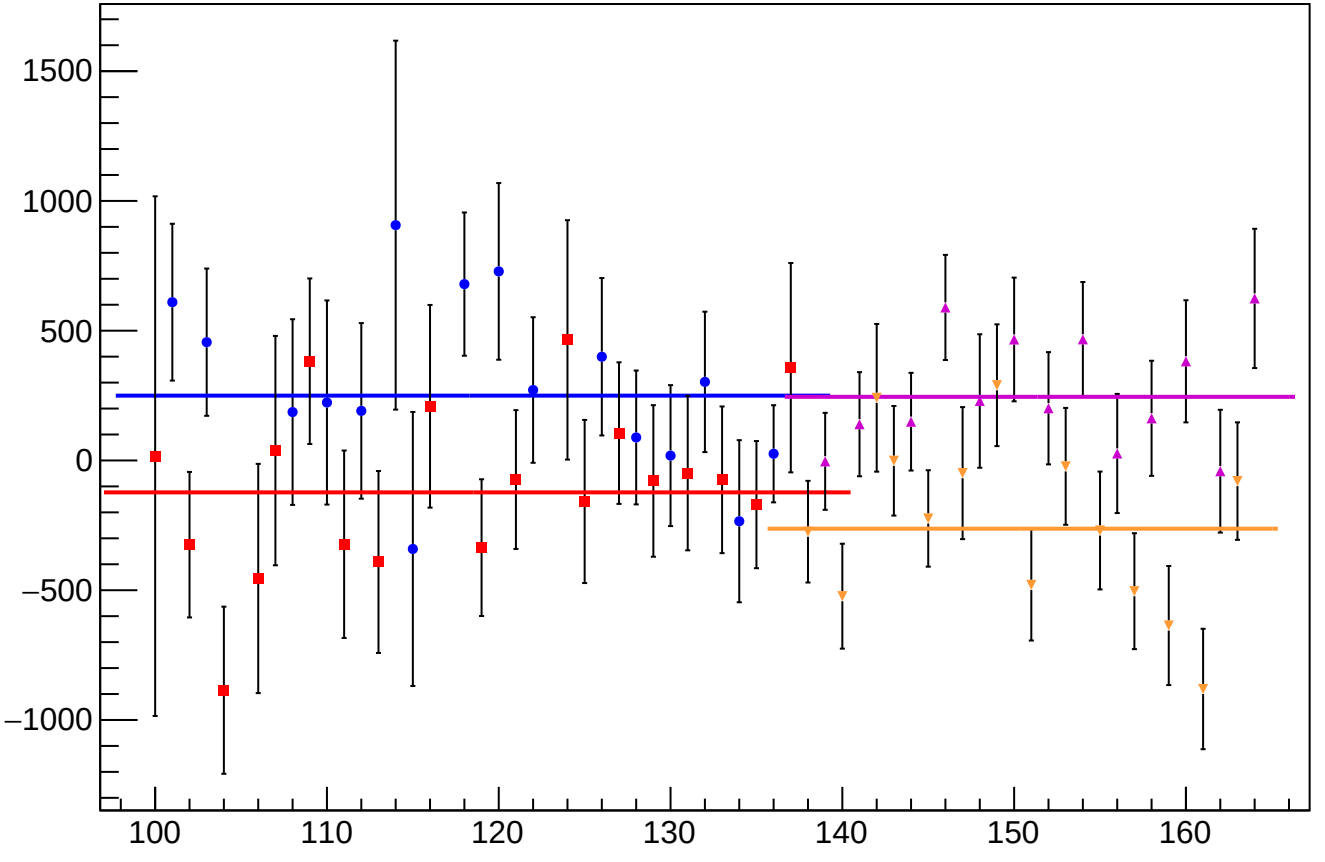
Left In: 0.000+/-0.000 χ^2/NDF:815819.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3905979.3/29

All: 0.000+/-0.000 χ^2/NDF: 7990975.8/61

- sign 0.000+/-0.000 χ^2/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: -262.906+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

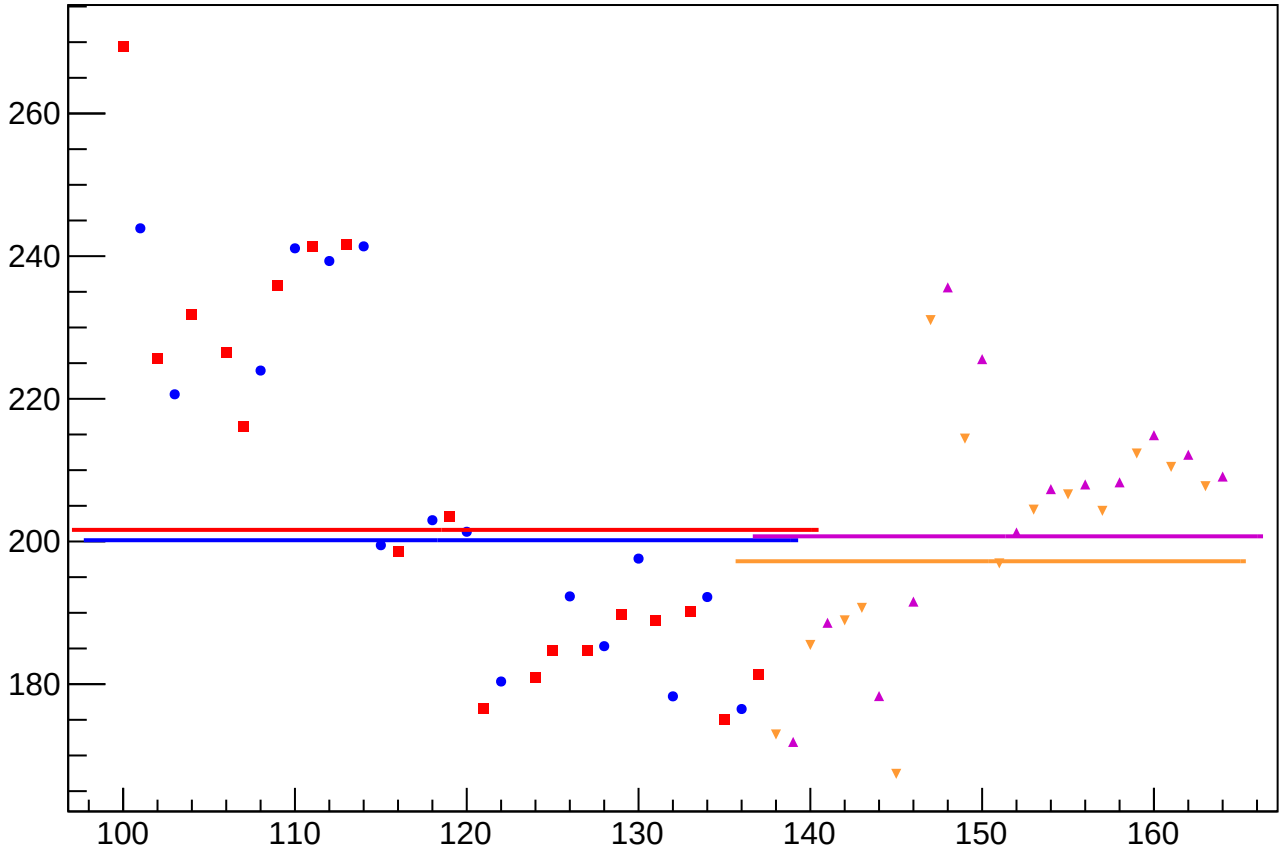
Left In: 245.164+/-60.878 χ^2/NDF:12.0/12

+ sign -65.965+/-46.409 χ^2/NDF: 69.0/29

All: 14.520+/-33.060 χ^2/NDF: 117.3/61

- 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: 197.229+/-0.042 χ^2/NDF:165592.0/13

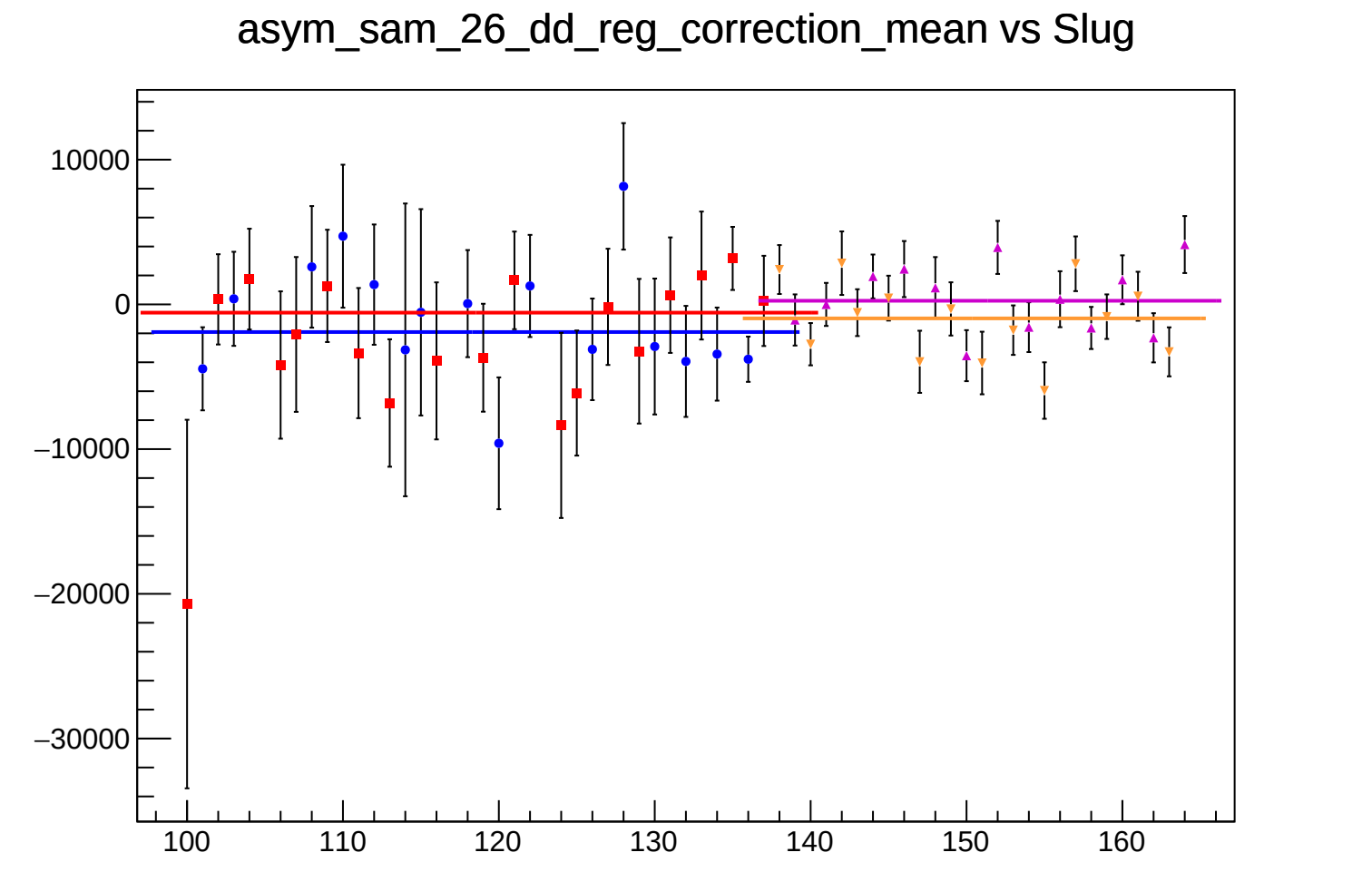
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.361+/-0.033 χ^2/NDF: 348502.8/29

All: 199.703+/-0.023 χ^2/NDF: 715198.4/61

- sign 201.086+/-0.033 χ^2/NDF: 363299.8/31



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -967.196+/-468.508 χ^2/NDF:26.9/13

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

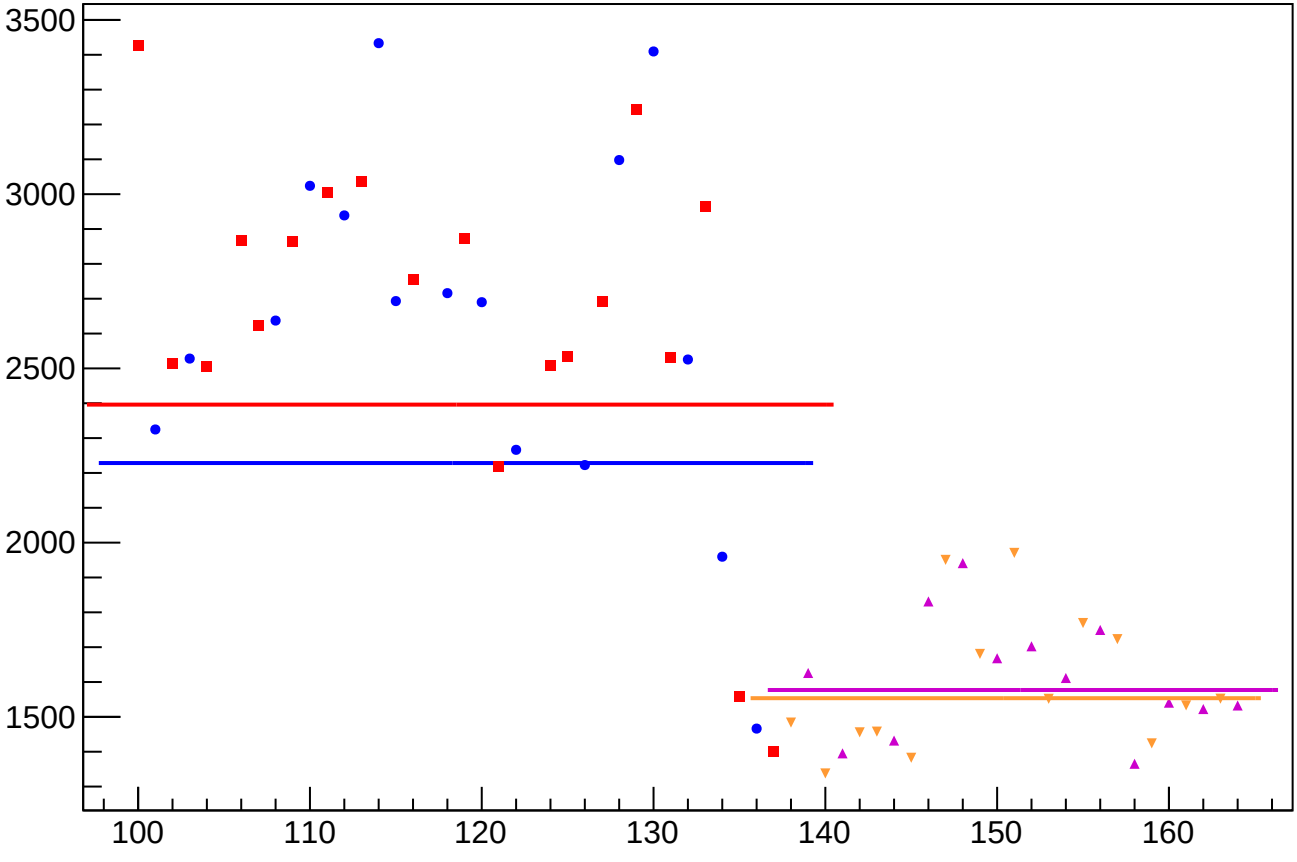
Left In: 250.320+/-479.602 χ^2/NDF:21.6/12

+ sign -1183.400+/-411.318 χ^2/NDF: 44.1/29

All: -575.264+/-294.992 χ^2/NDF: 85.5/61

- 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: 1553.620+/-0.331 χ^2/NDF:289801.7/13

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

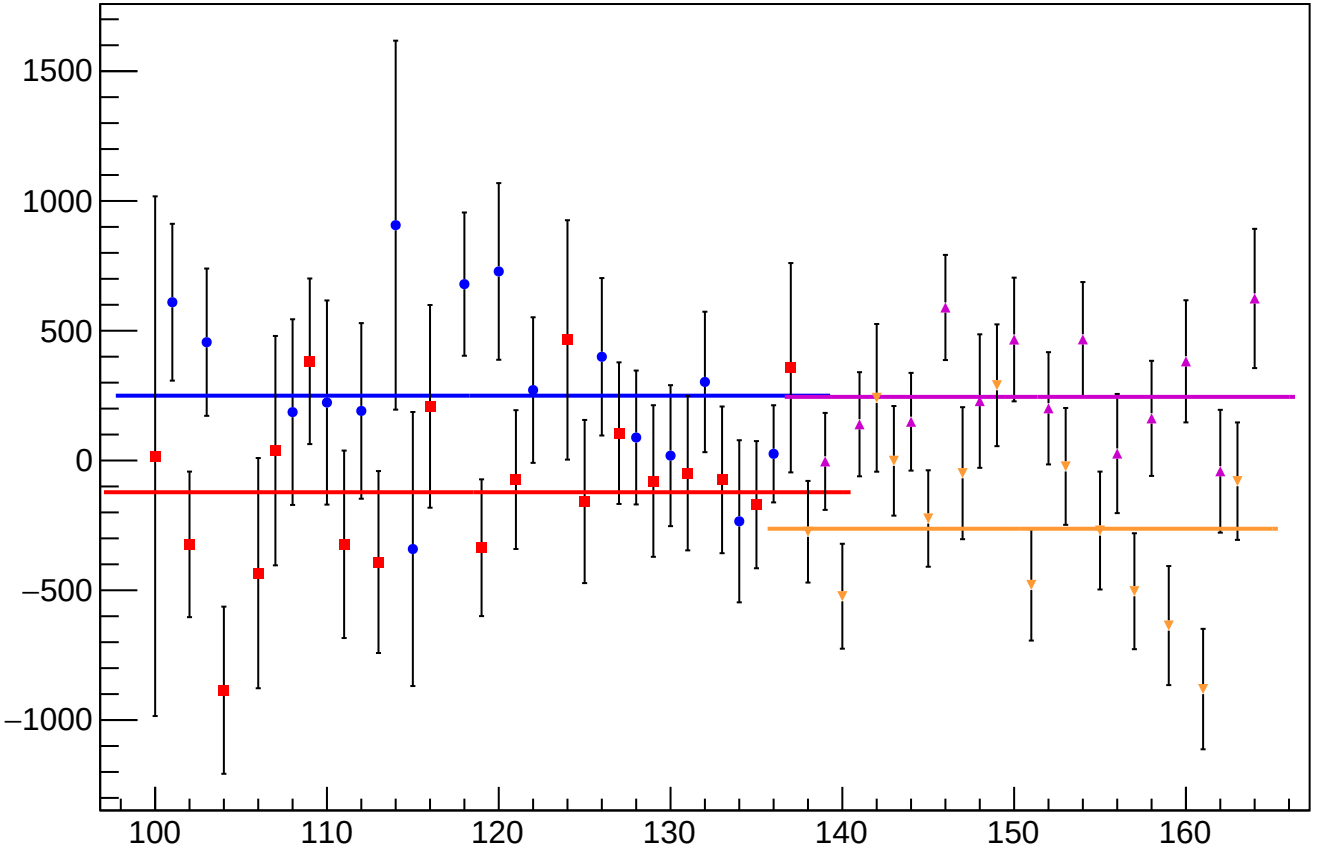
Left In: 1577.125+/-0.339 χ^2/NDF:220735.1/12

+ sign 1708.311+/-0.291 χ^2/NDF: 2188589.9/29

All: 1732.495+/-0.209 χ^2/NDF: 4511758.0/61

- 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: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

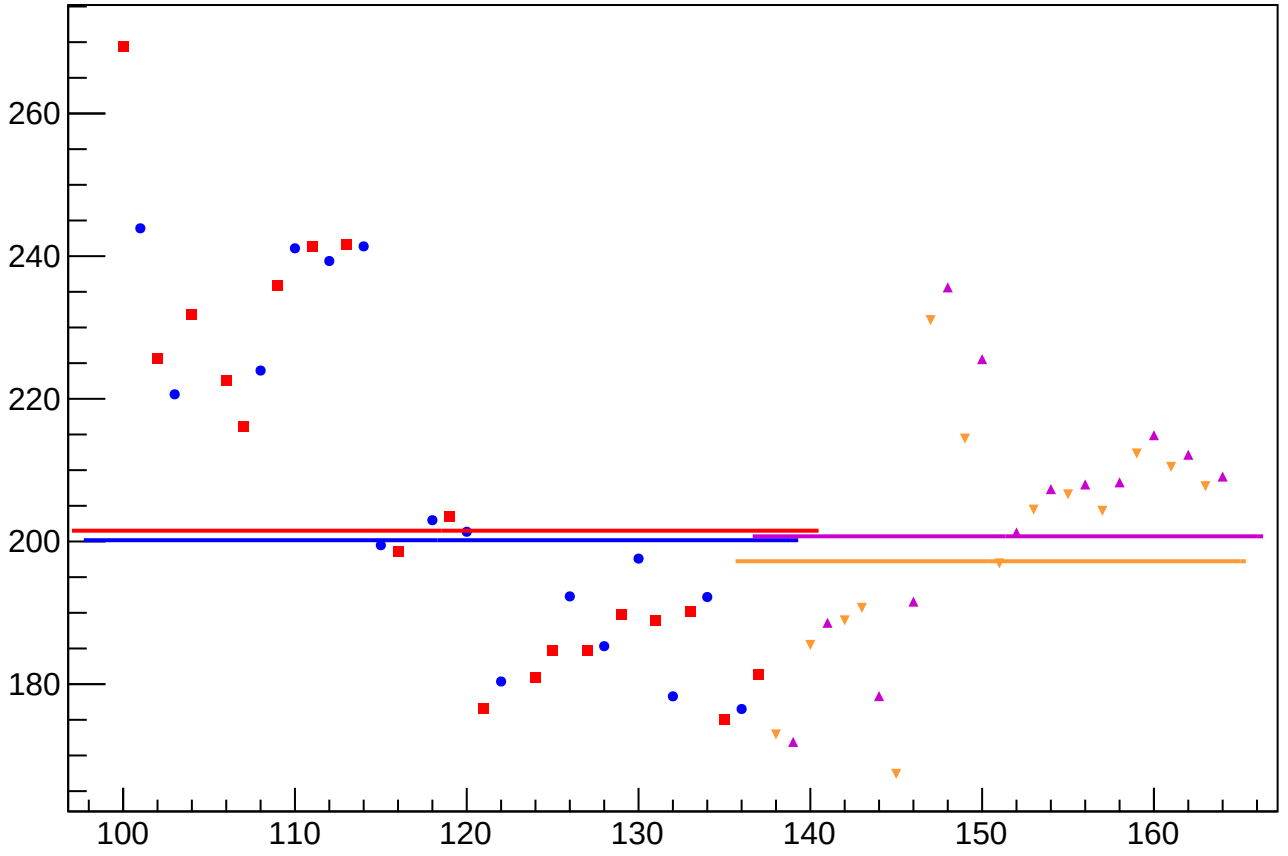
Left In: 245.167+/-60.878 χ^2/NDF:12.0/12

+ sign -65.959+/-46.409 χ^2/NDF: 69.0/29

All: 14.686+/-33.061 χ^2/NDF: 117.1/61

- 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: 197.229+/-0.042 χ^2/NDF:165592.0/13

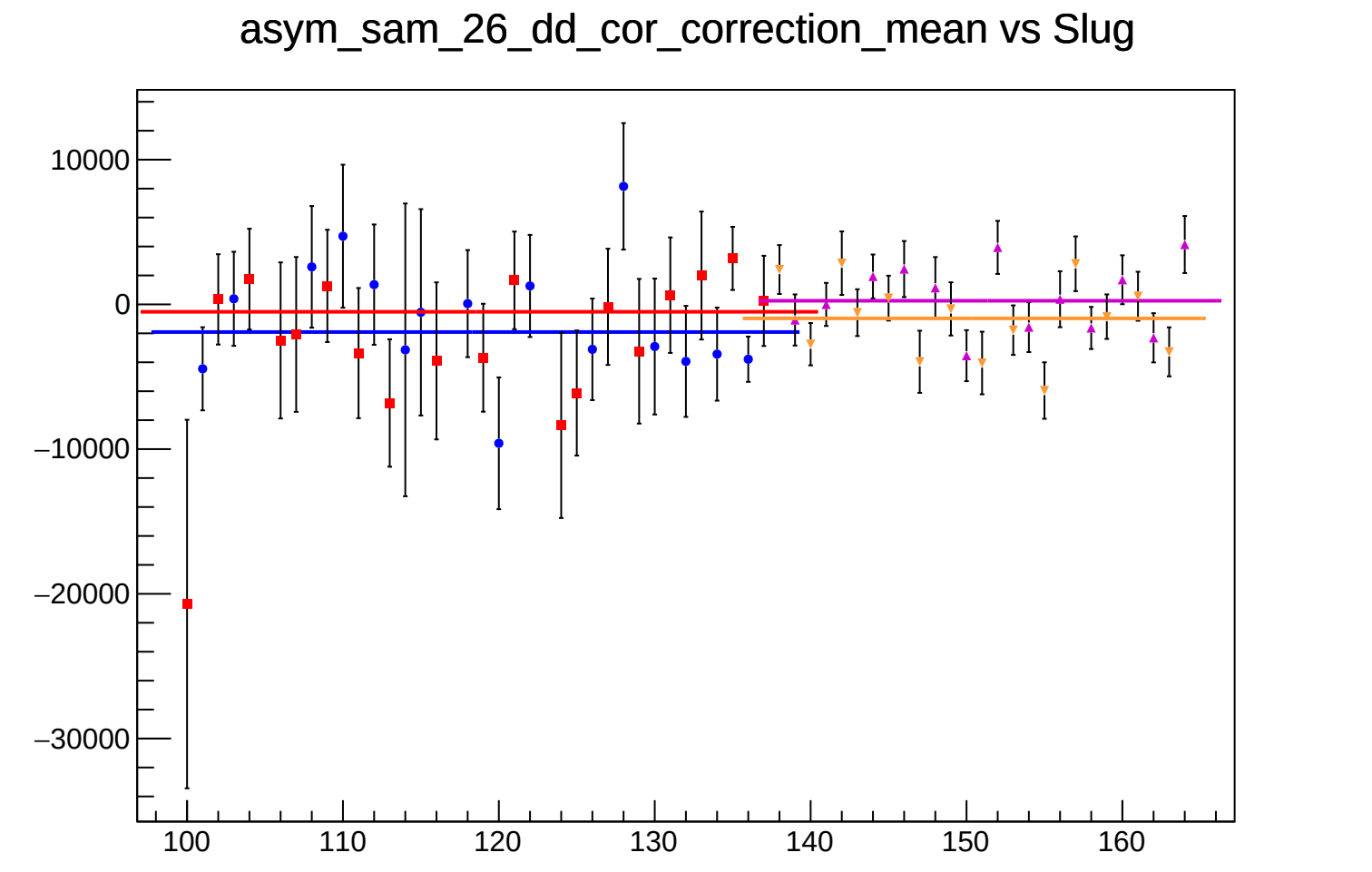
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.361+/-0.033 χ^2/NDF: 348503.1/29

All: 199.681+/-0.023 χ^2/NDF: 713230.7/61

- 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: -967.192+/-468.508 χ^2/NDF:26.9/13

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

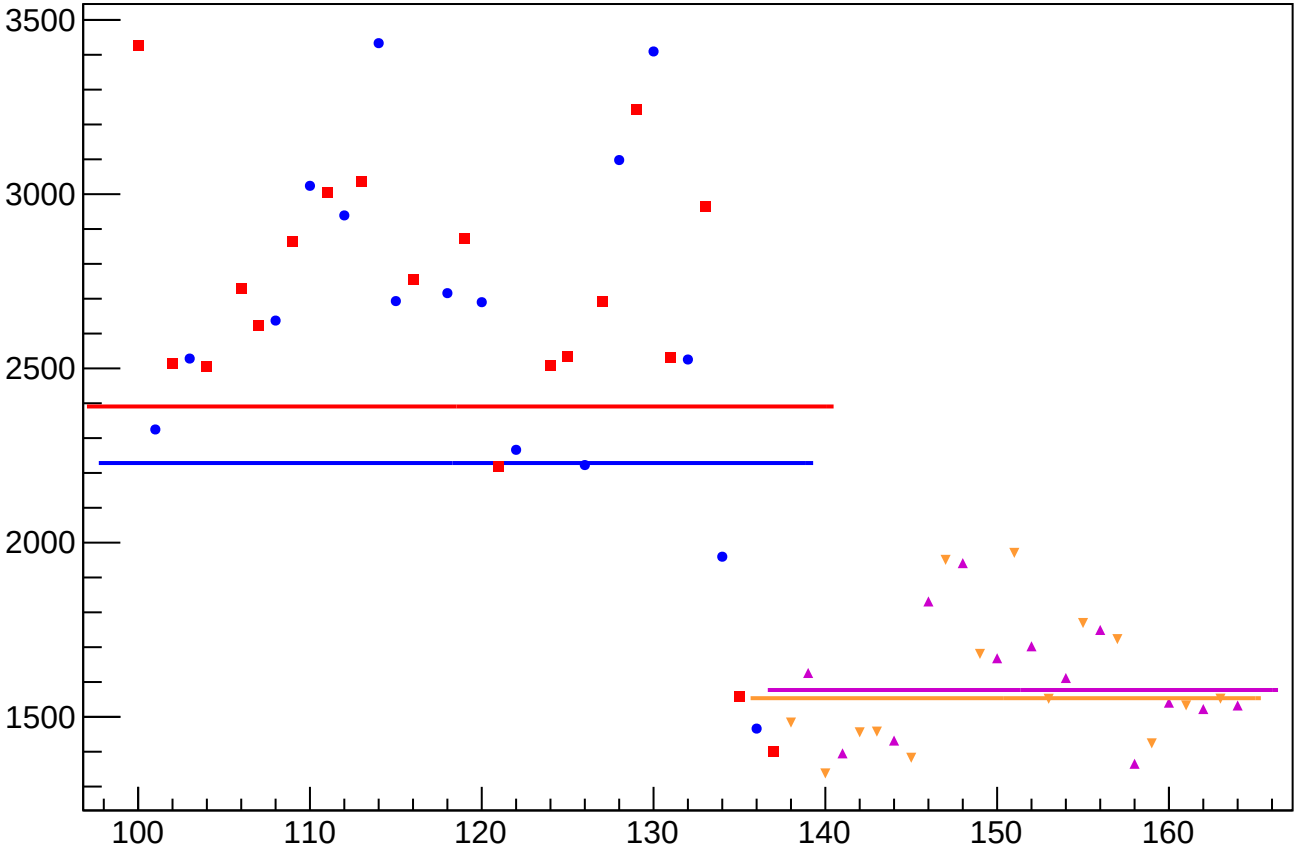
Left In: 250.316+/-479.602 χ^2/NDF:21.6/12

+ sign -1183.387+/-411.319 χ^2/NDF: 44.1/29

All: -568.877+/-295.047 χ^2/NDF: 85.1/61

- 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: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

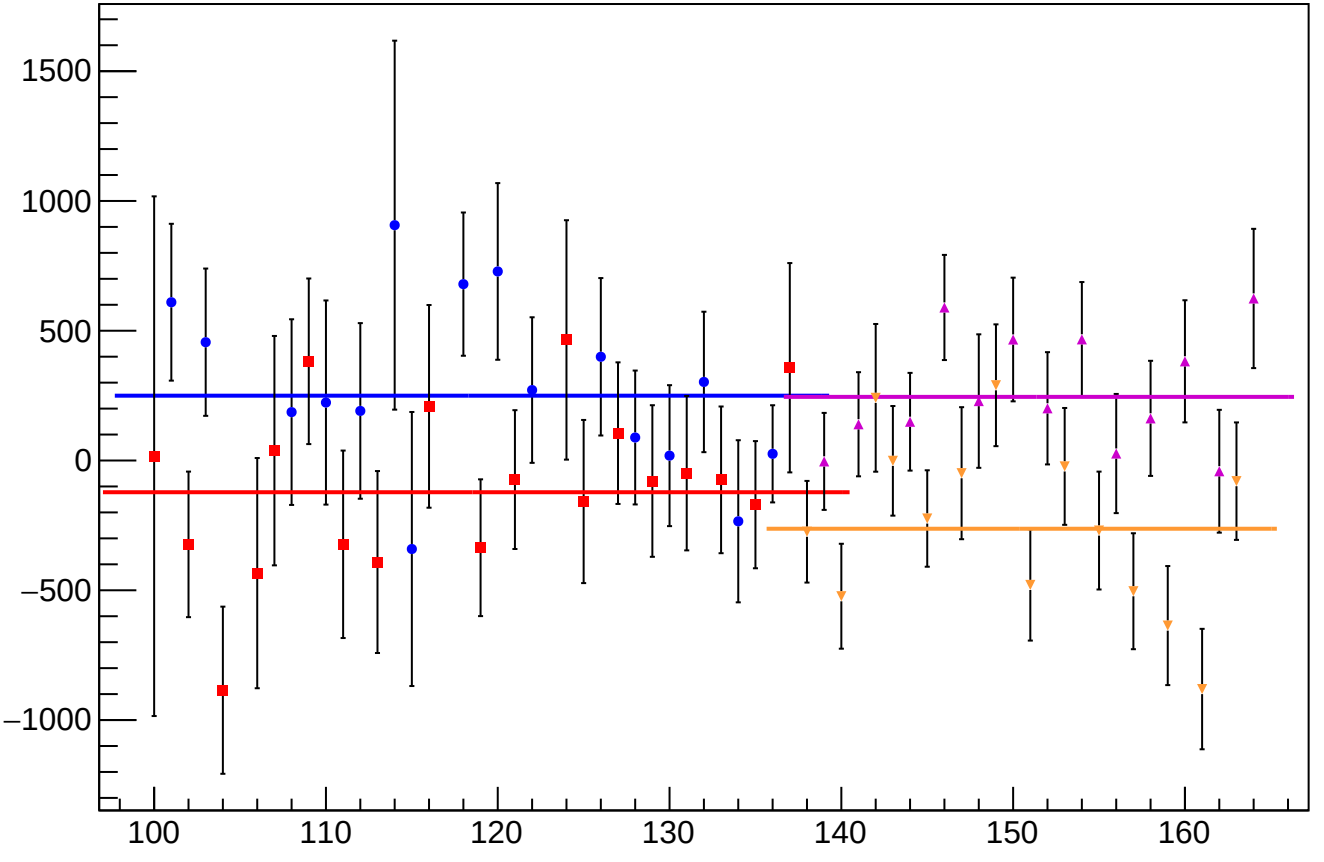
Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

+ sign 1708.311+/-0.291 χ^2/NDF: 2188601.5/29

All: 1731.677+/-0.209 χ^2/NDF: 4481173.4/61

- 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: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

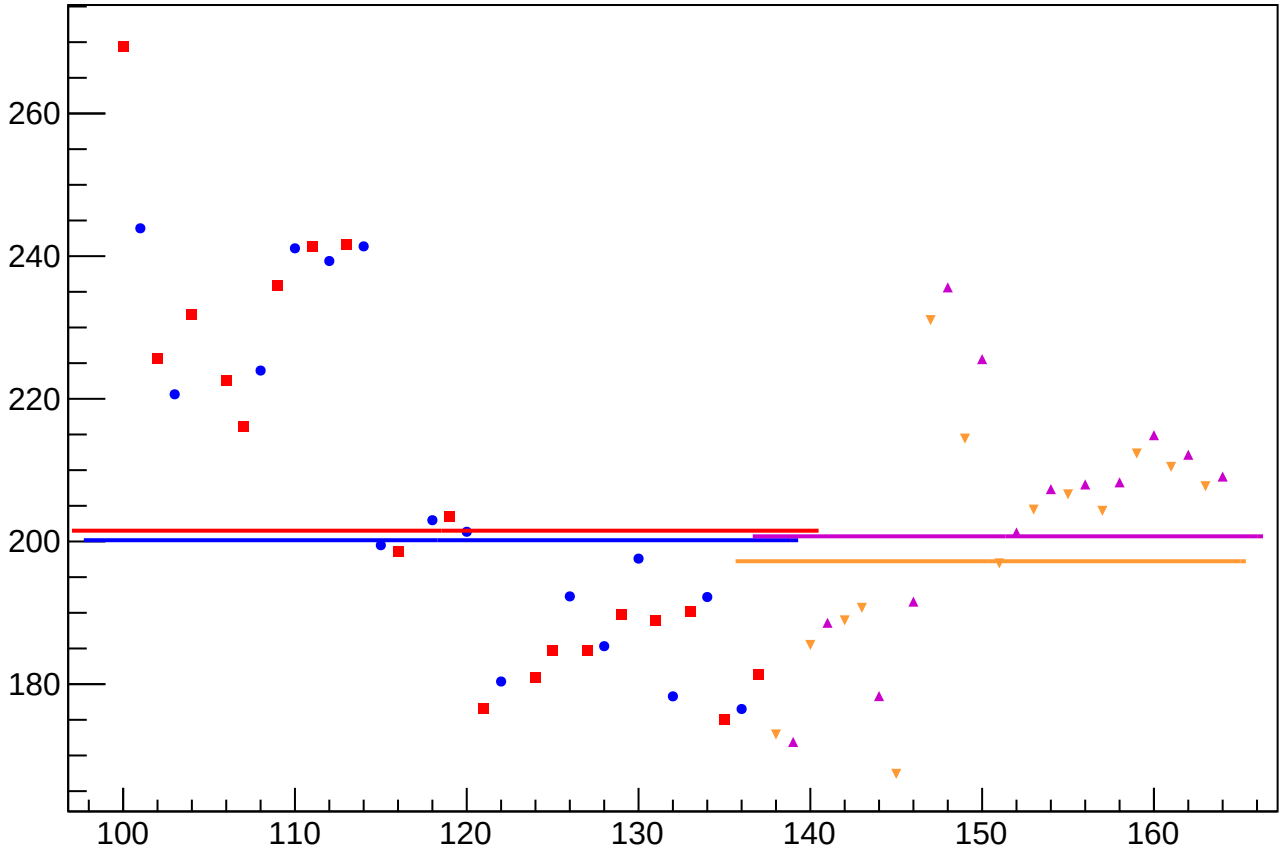
Left In: 245.167+/-60.878 χ^2/NDF:12.0/12

+ sign -65.959+/-46.409 χ^2/NDF: 69.0/29

All: 14.686+/-33.061 χ^2/NDF: 117.1/61

- 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: 197.229+/-0.042 χ^2/NDF:165592.0/13

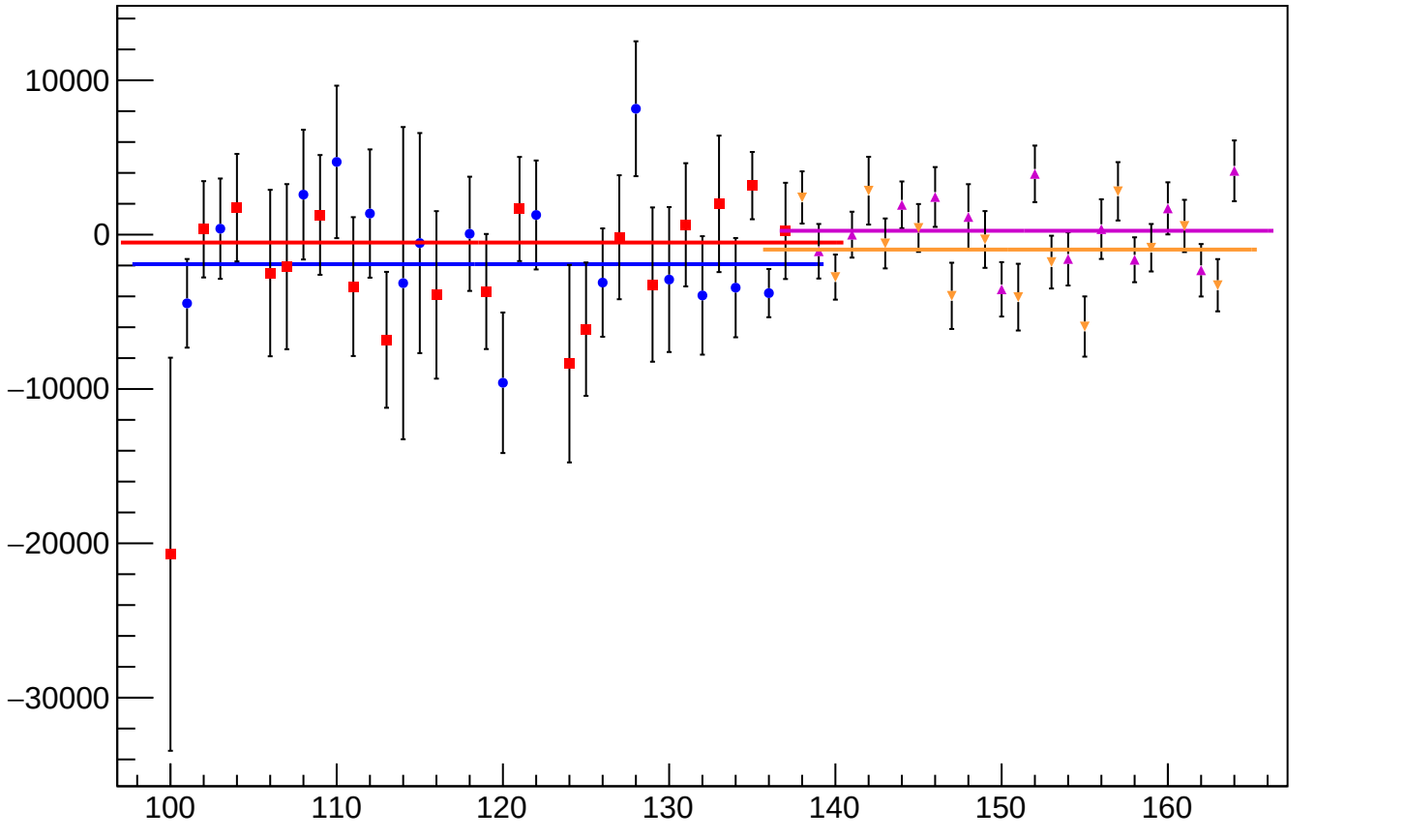
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.361+/-0.033 χ^2/NDF: 348503.1/29

All: 199.681+/-0.023 χ^2/NDF: 713230.7/61

- 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: -967.192+/-468.508 χ^2/NDF:26.9/13

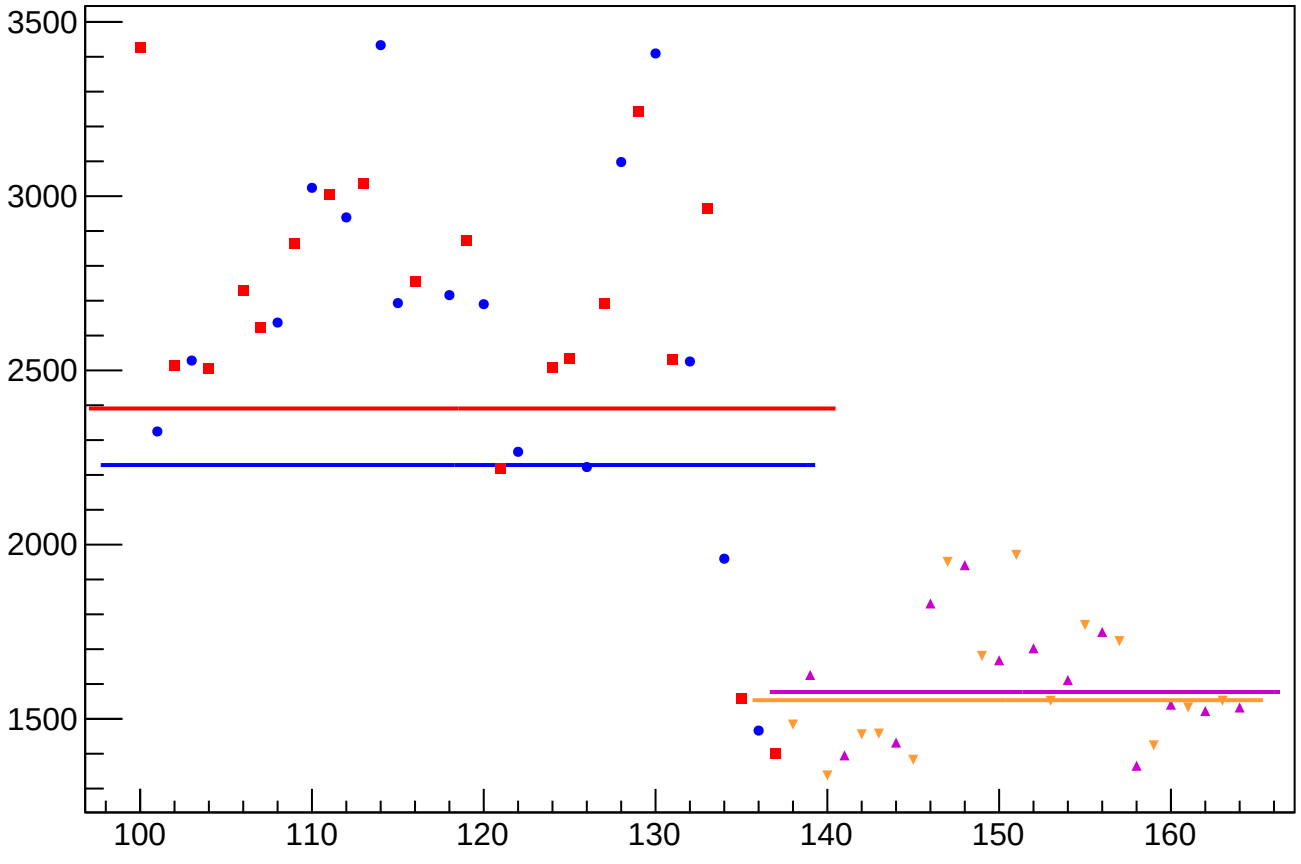
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 250.316+/-479.602 χ^2/NDF:21.6/12

+ sign -1183.387+/-411.319 χ^2/NDF: 44.1/29

All: -568.877+/-295.047 χ^2/NDF: 85.1/61

- sign 82.462+/-423.465 χ^2/NDF: 36.4/31



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

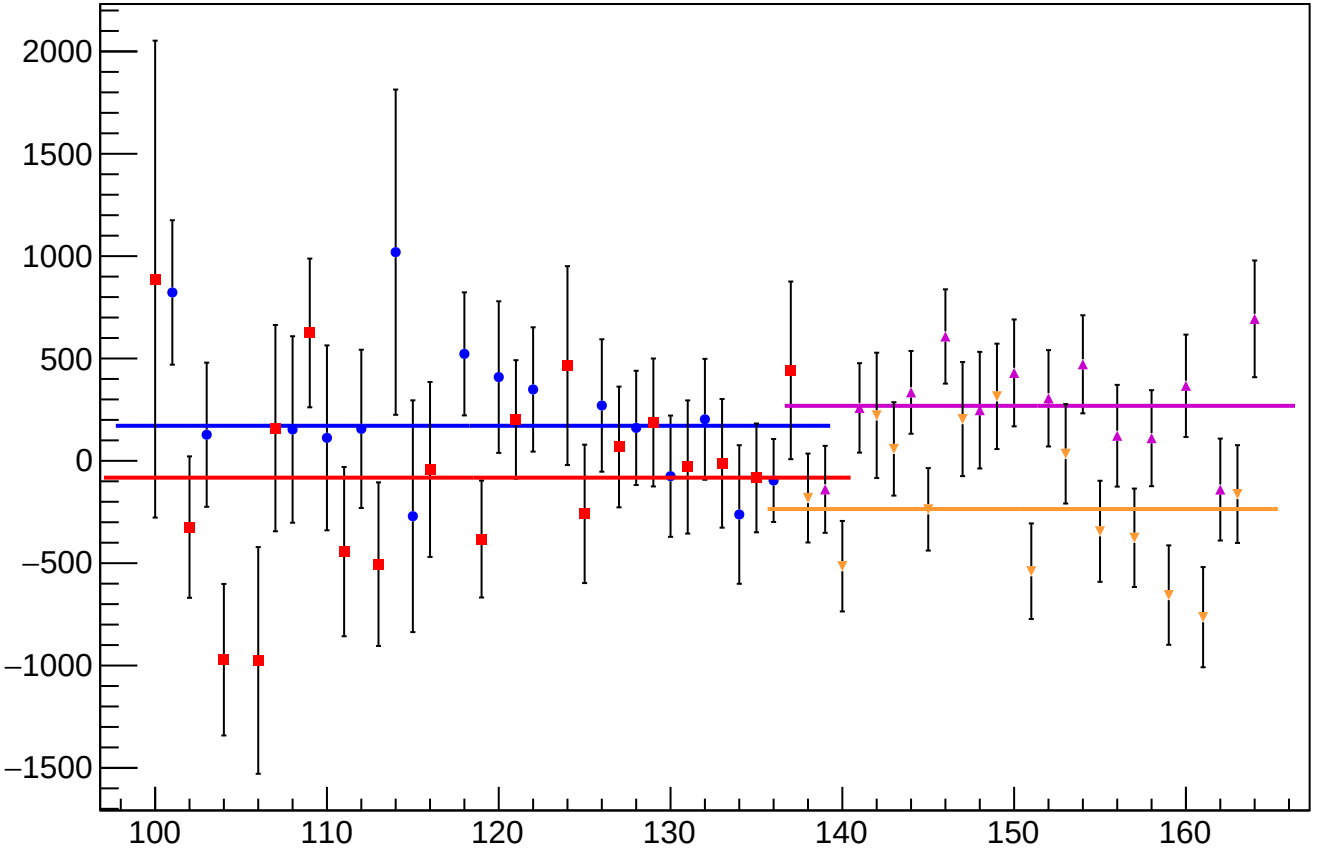
Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

+ sign 1708.311+/-0.291 χ^2/NDF: 2188601.5/29

All: 1731.677+/-0.209 χ^2/NDF: 4481173.4/61

- 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: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

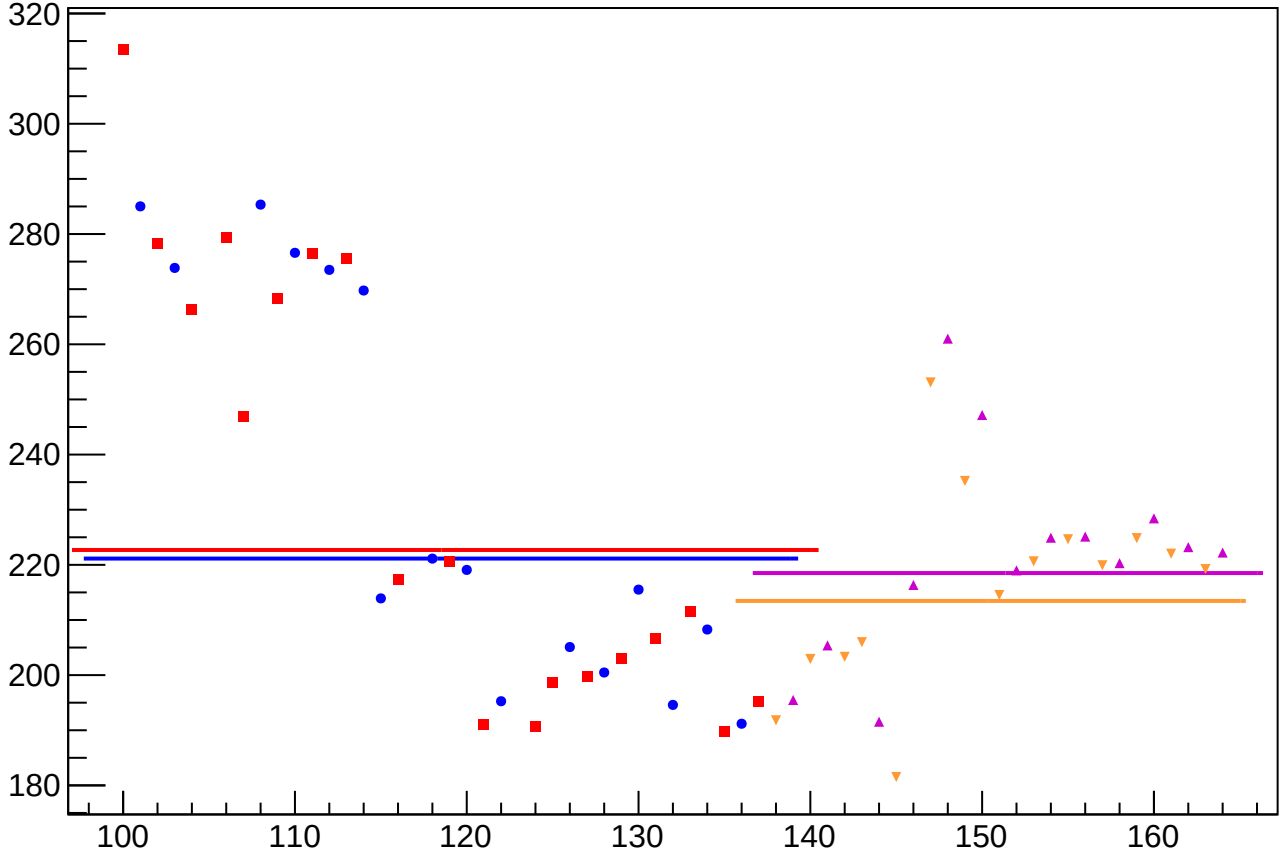
Left In: 268.722+/-66.272 χ^2/NDF:13.0/12

+ sign -84.091+/-50.699 χ^2/NDF: 50.3/29

All: 21.497+/-36.191 χ^2/NDF: 104.7/61

- 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: 213.456+/-0.045 χ^2/NDF:149117.6/13

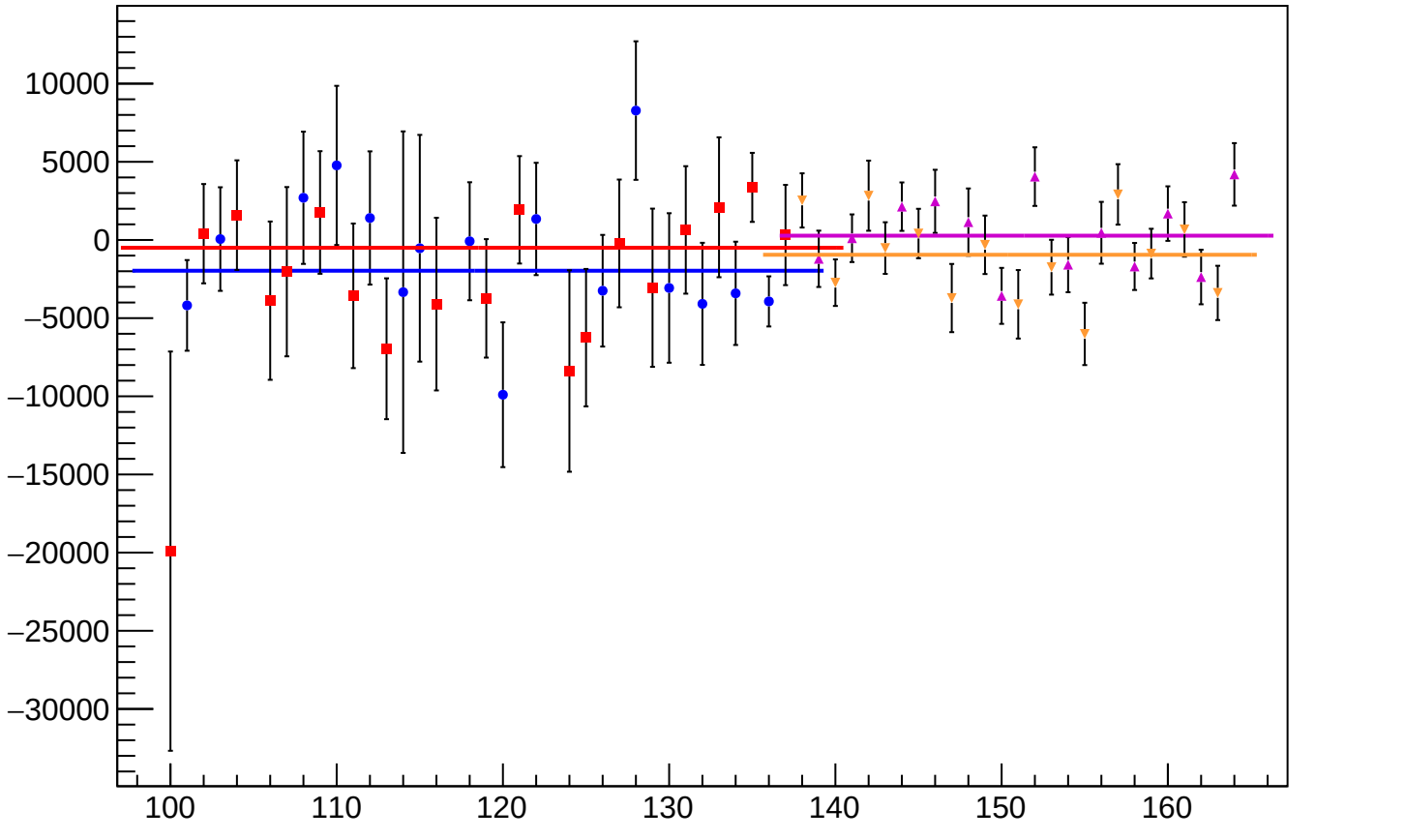
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 218.512+/-0.047 χ^2/NDF:142265.8/12

+ sign 216.315+/-0.036 χ^2/NDF: 478549.9/29

All: 218.197+/-0.026 χ^2/NDF: 956594.4/61

- sign 220.152+/-0.037 χ^2/NDF: 472425.4/31



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -947.087+/-479.158 χ^2/NDF:26.4/13

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

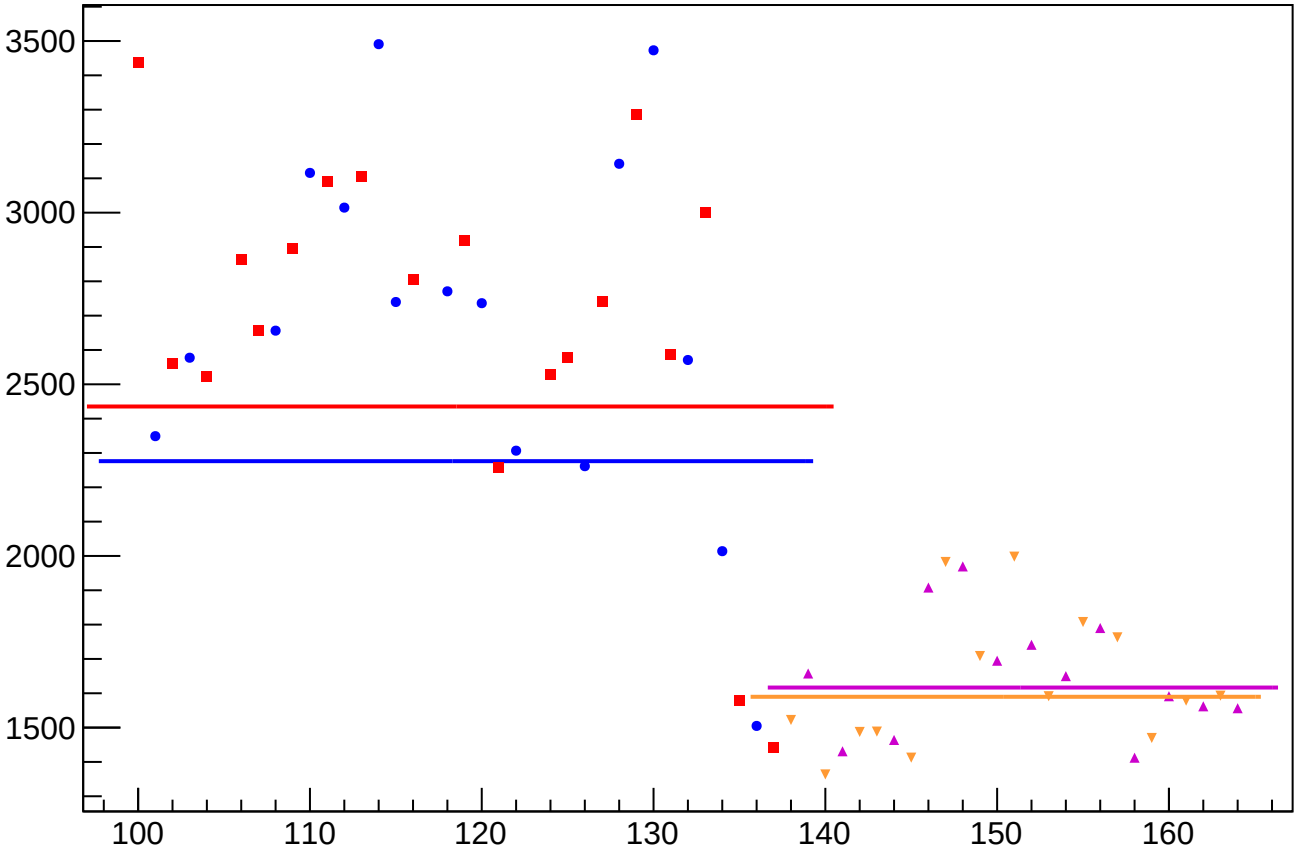
Left In: 275.023+/-491.507 χ^2/NDF:21.8/12

+ sign -1181.807+/-420.447 χ^2/NDF: 43.6/29

All: -558.727+/-301.630 χ^2/NDF: 85.2/61

- 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: 1589.746+/-0.339 χ^2/NDF:279742.3/13

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

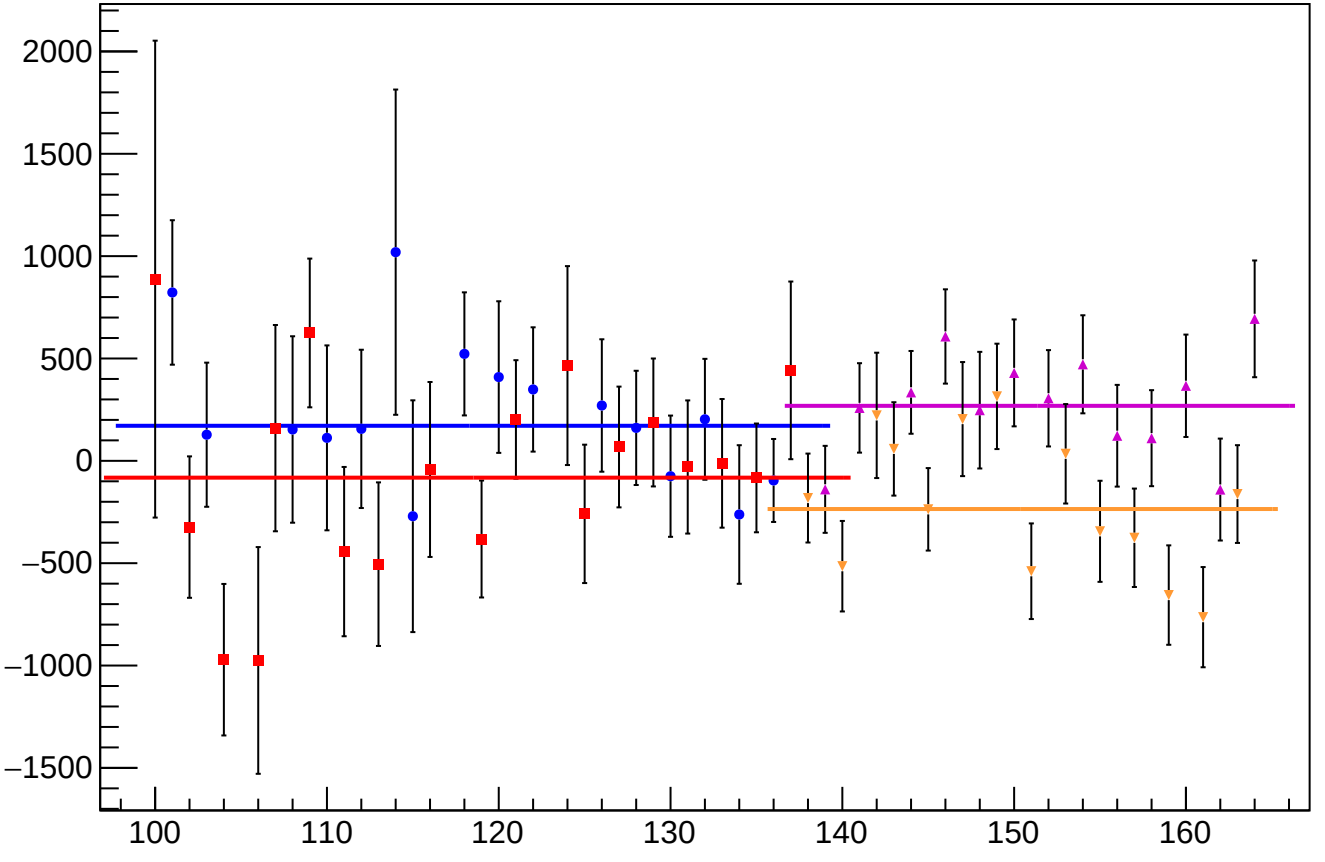
Left In: 1616.664+/-0.348 χ^2/NDF:215226.4/12

+ sign 1747.646+/-0.297 χ^2/NDF: 2150835.0/29

All: 1773.089+/-0.213 χ^2/NDF: 4415762.0/61

- 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: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

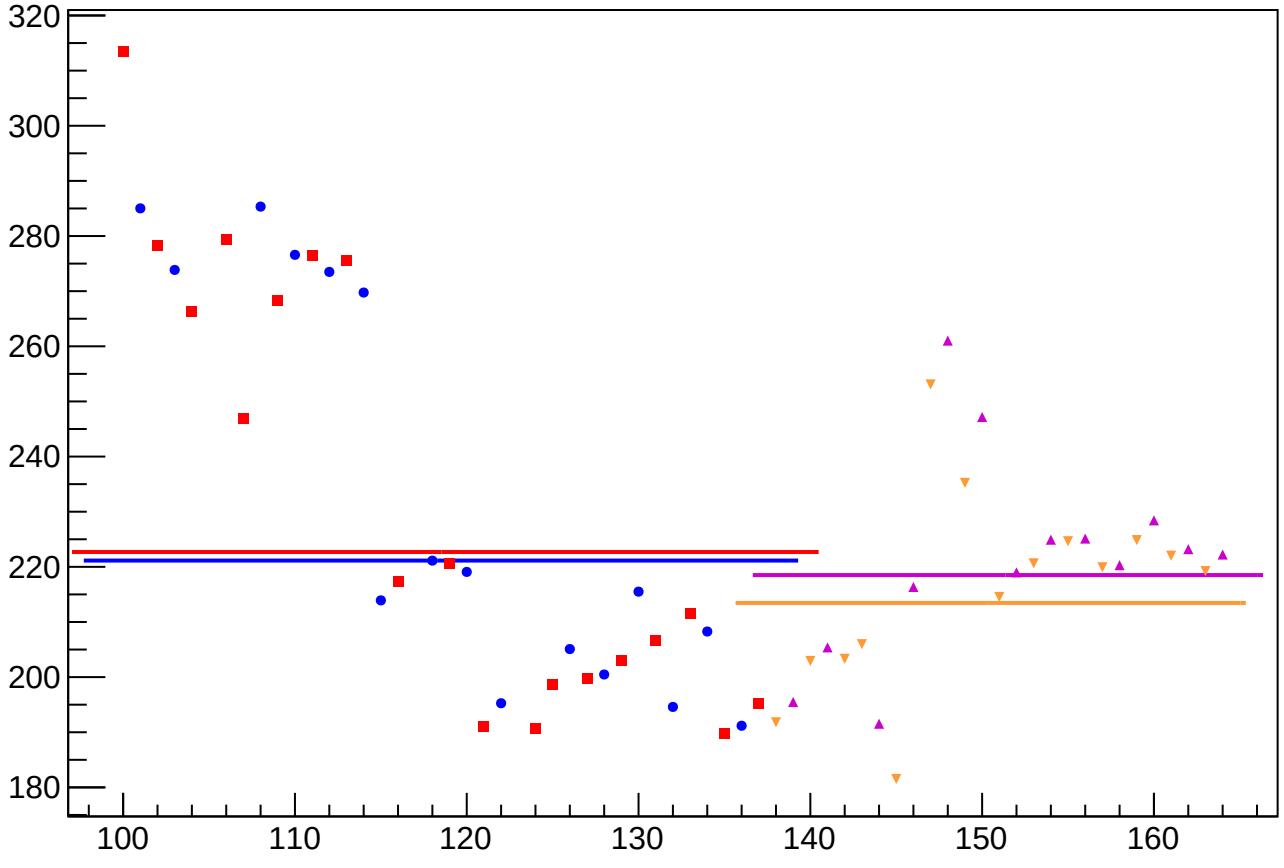
Left In: 268.725+/-66.272 χ^2/NDF:13.0/12

+ sign -84.089+/-50.699 χ^2/NDF: 50.3/29

All: 21.498+/-36.191 χ^2/NDF: 104.7/61

- 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: 213.456+/-0.045 χ^2/NDF:149121.4/13

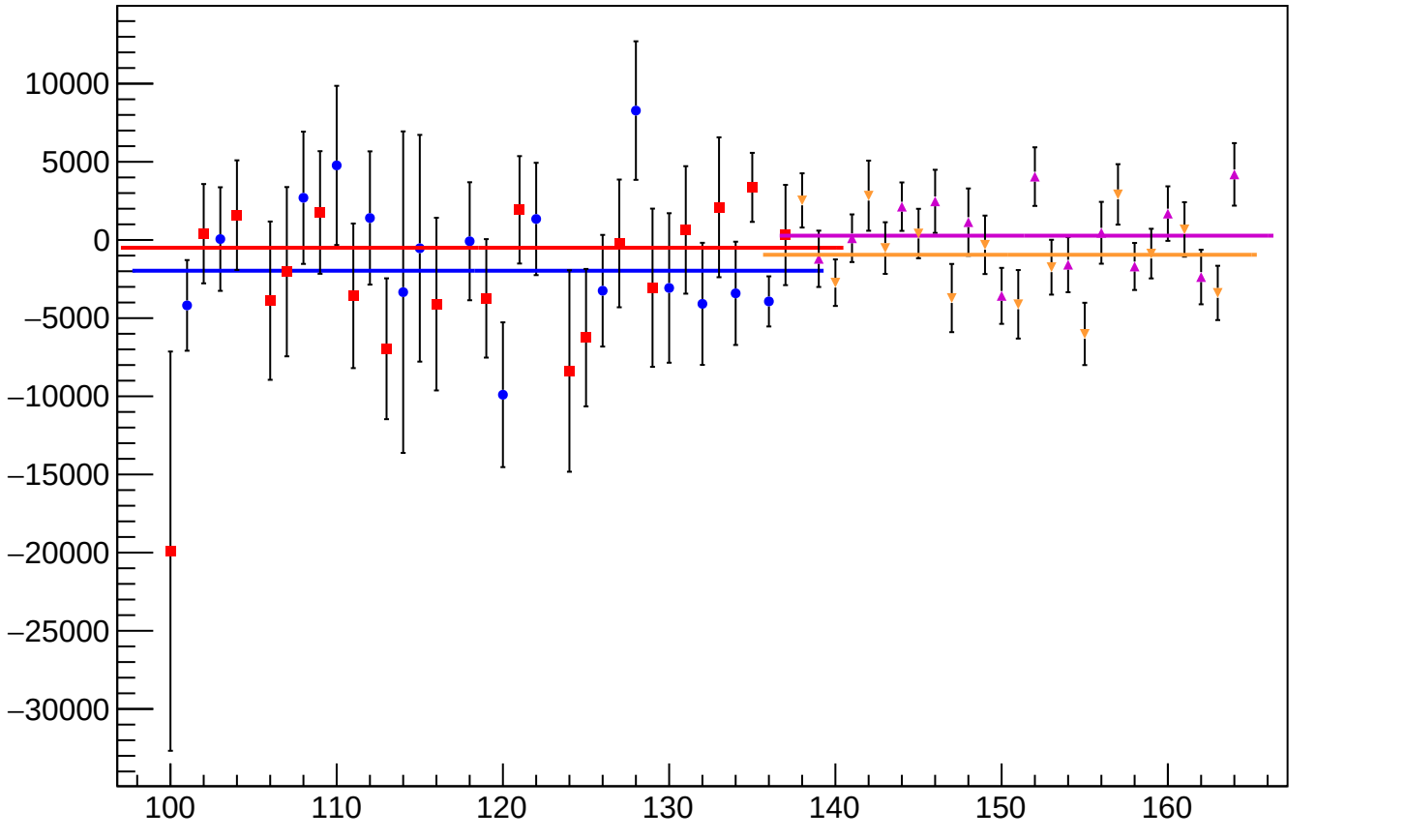
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.511+/-0.047 χ^2/NDF:142267.7/12

+ sign 216.314+/-0.036 χ^2/NDF: 478545.7/29

All: 218.196+/-0.026 χ^2/NDF: 956584.0/61

- 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: -947.085+/-479.158 χ^2/NDF:26.4/13

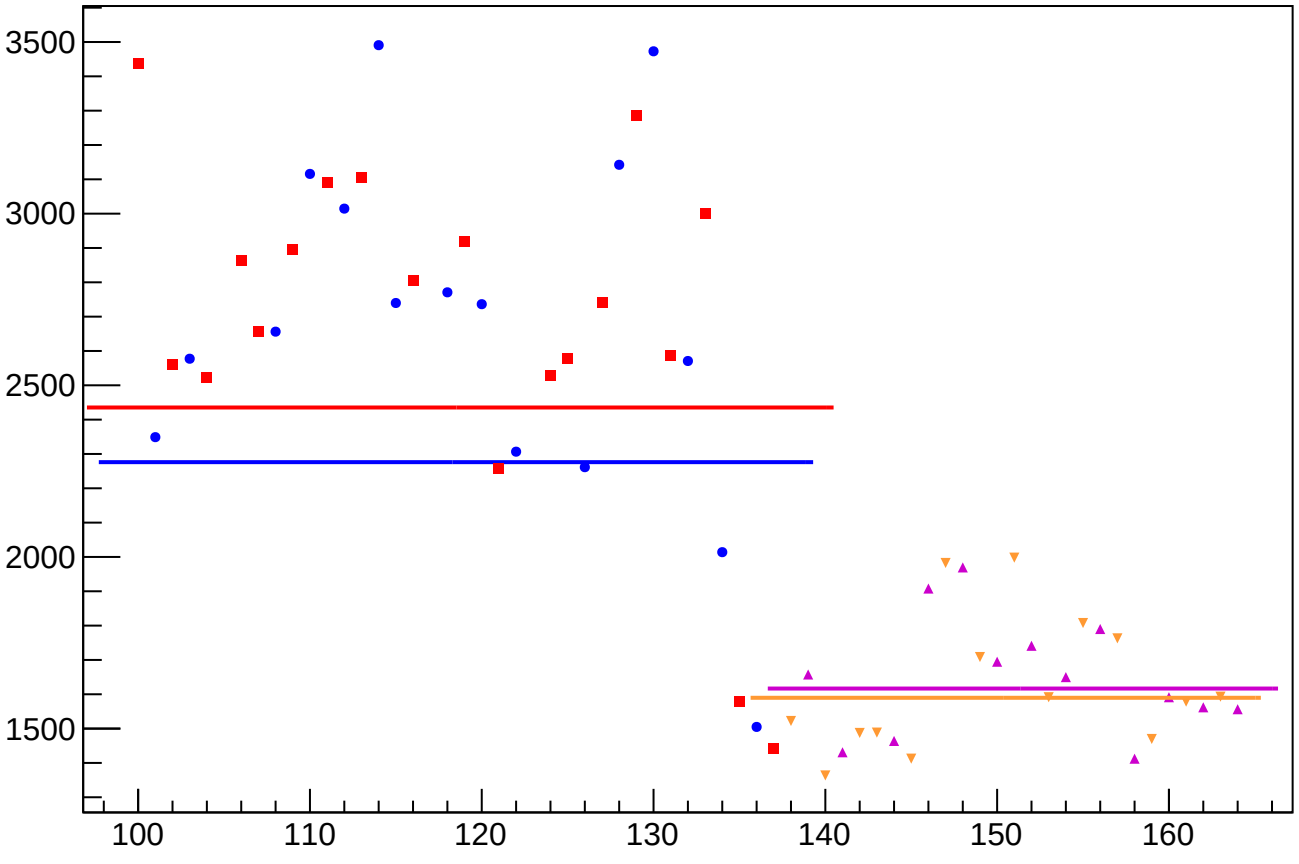
Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 275.023+/-491.507 χ^2/NDF:21.8/12

+ sign -1181.805+/-420.447 χ^2/NDF: 43.6/29

All: -558.727+/-301.630 χ^2/NDF: 85.2/61

- sign 102.007+/-432.966 χ^2/NDF: 37.1/31



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279745.7/13

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

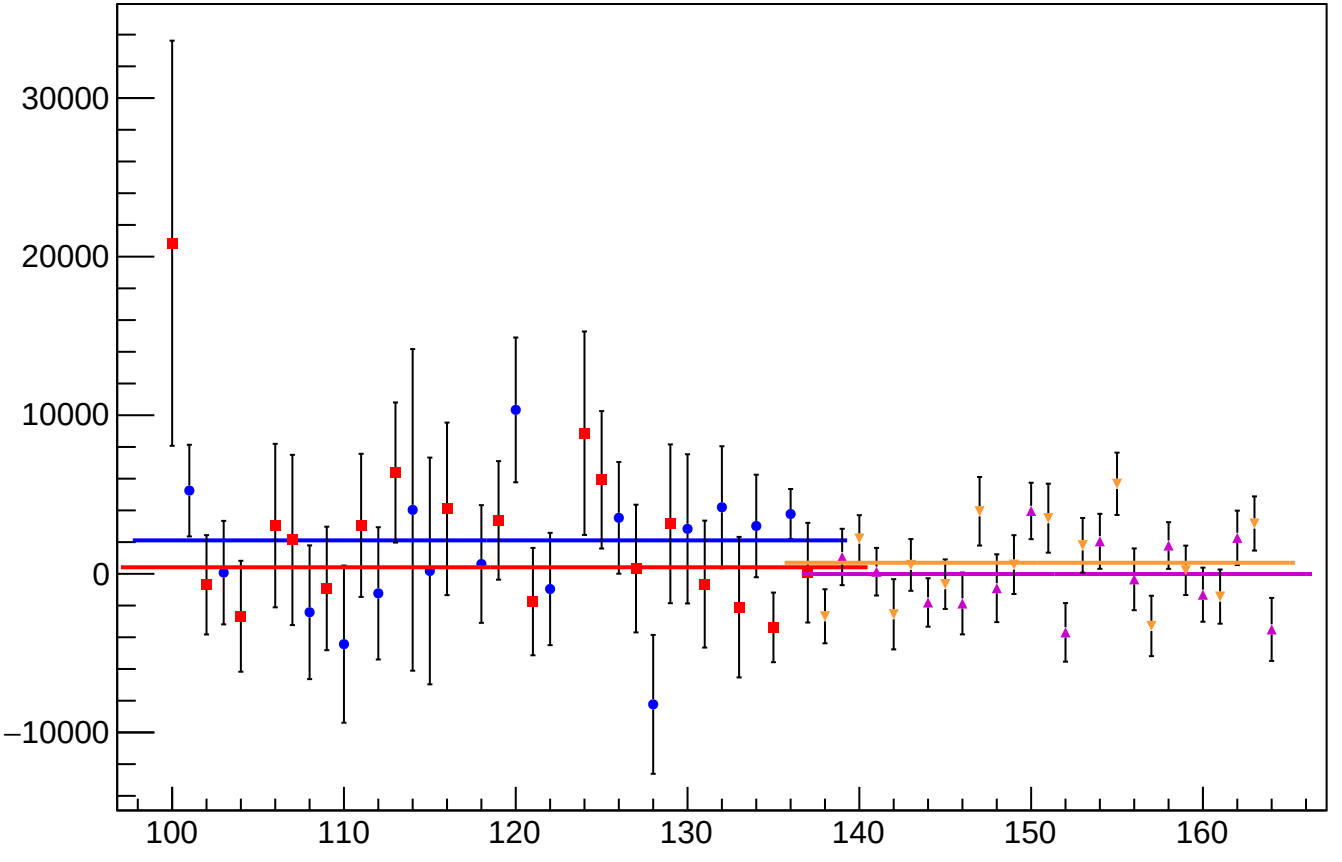
Left In: 1616.664+/-0.348 χ^2/NDF:215227.6/12

+ sign 1747.645+/-0.297 χ^2/NDF: 2150824.6/29

All: 1773.089+/-0.213 χ^2/NDF: 4415739.6/61

- 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: 699.639+/-472.442 χ^2/NDF:26.8/13

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

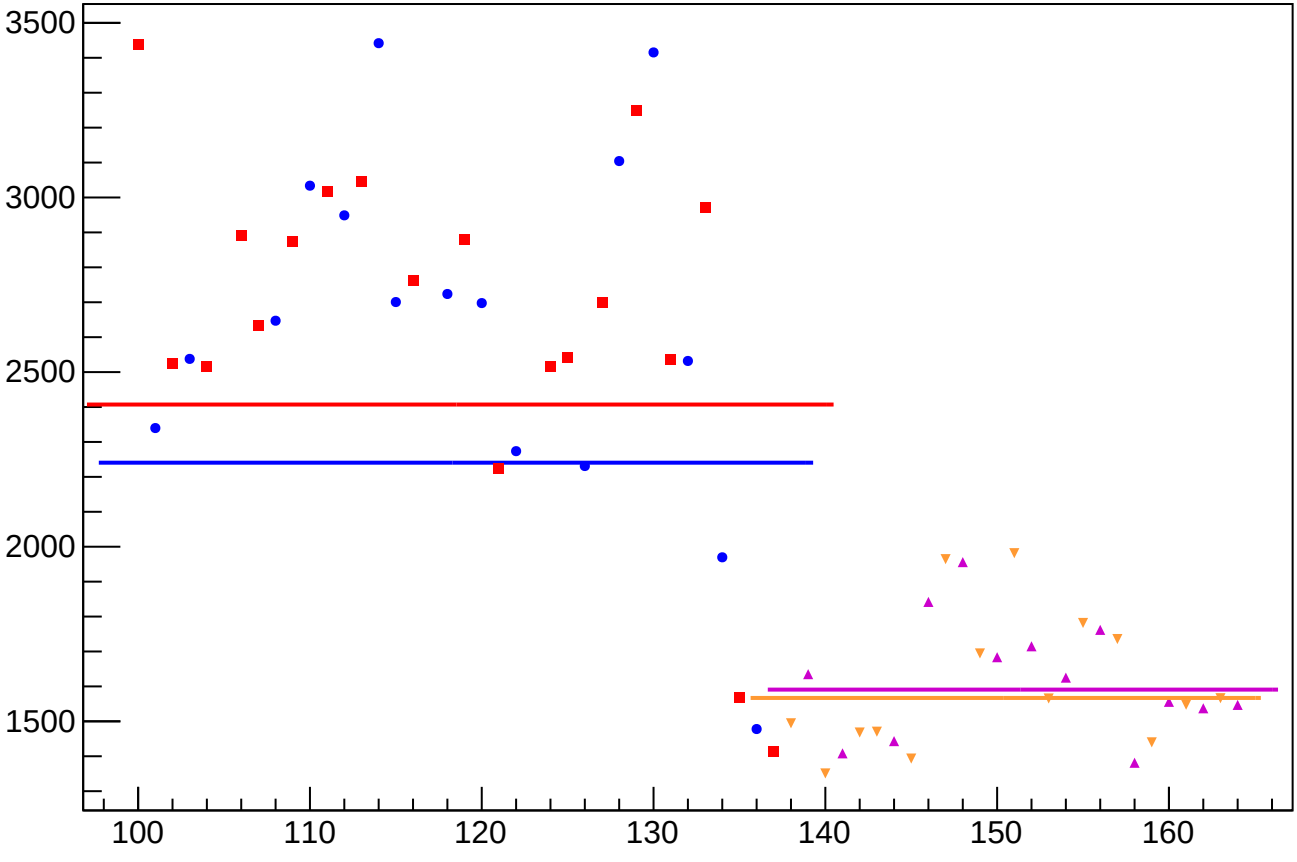
Left In: -12.505+/-483.689 χ^2/NDF:20.2/12

+ sign 1024.574+/-414.440 χ^2/NDF: 45.5/29

All: 567.009+/-297.233 χ^2/NDF: 83.0/61

- 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: 1566.958+/-0.334 χ^2/NDF:285263.6/13

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

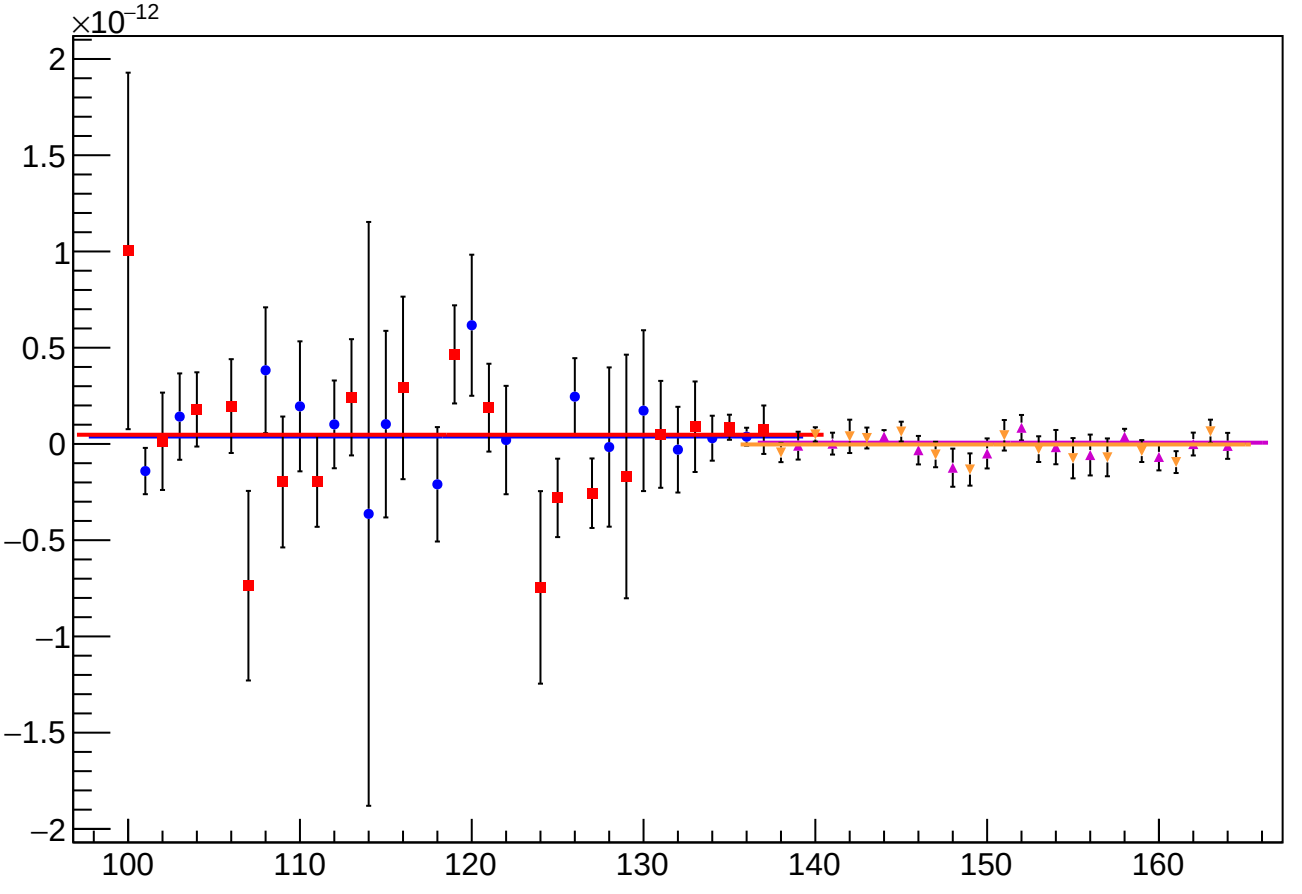
Left In: 1590.832+/-0.342 χ^2/NDF:215879.4/12

+ sign 1722.217+/-0.293 χ^2/NDF: 2156058.7/29

All: 1746.579+/-0.210 χ^2/NDF: 4442032.7/61

- 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:13.6/13

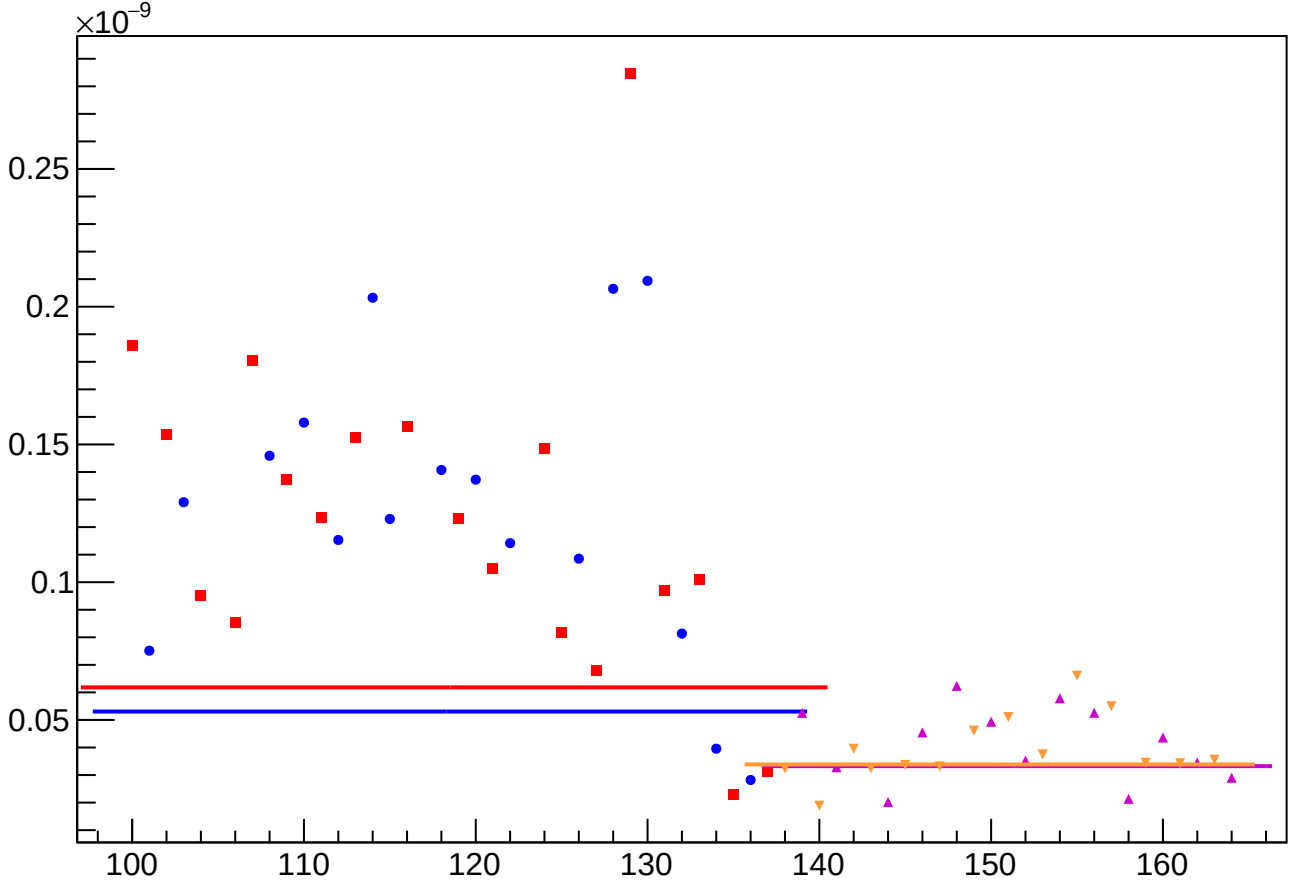
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/29

All: 0.000+/-0.000 χ^2/NDF: 49.2/61

- 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:758725.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

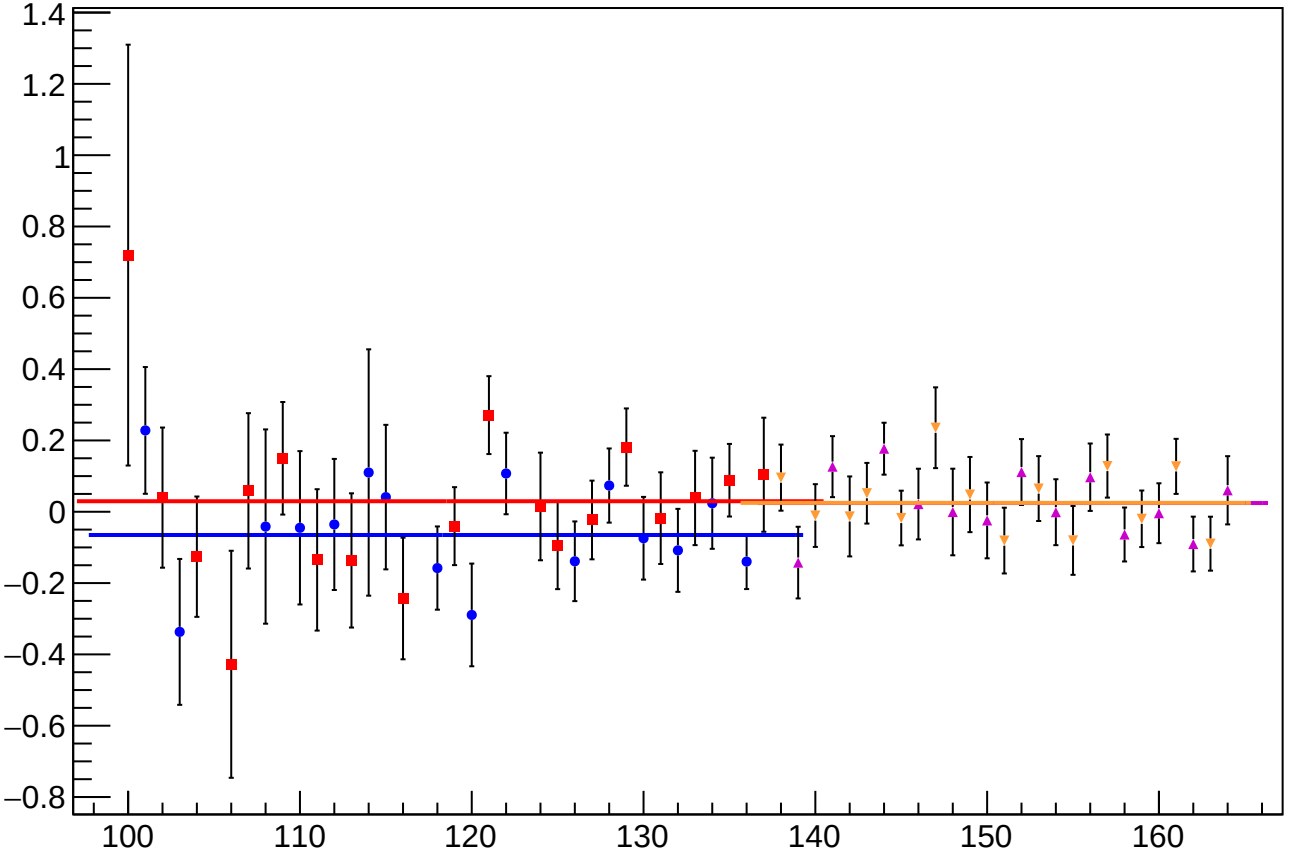
Left In: 0.000+/-0.000 χ^2/NDF:1191134.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3800703.0/29

All: 0.000+/-0.000 χ^2/NDF: 8165095.1/61

- 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: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

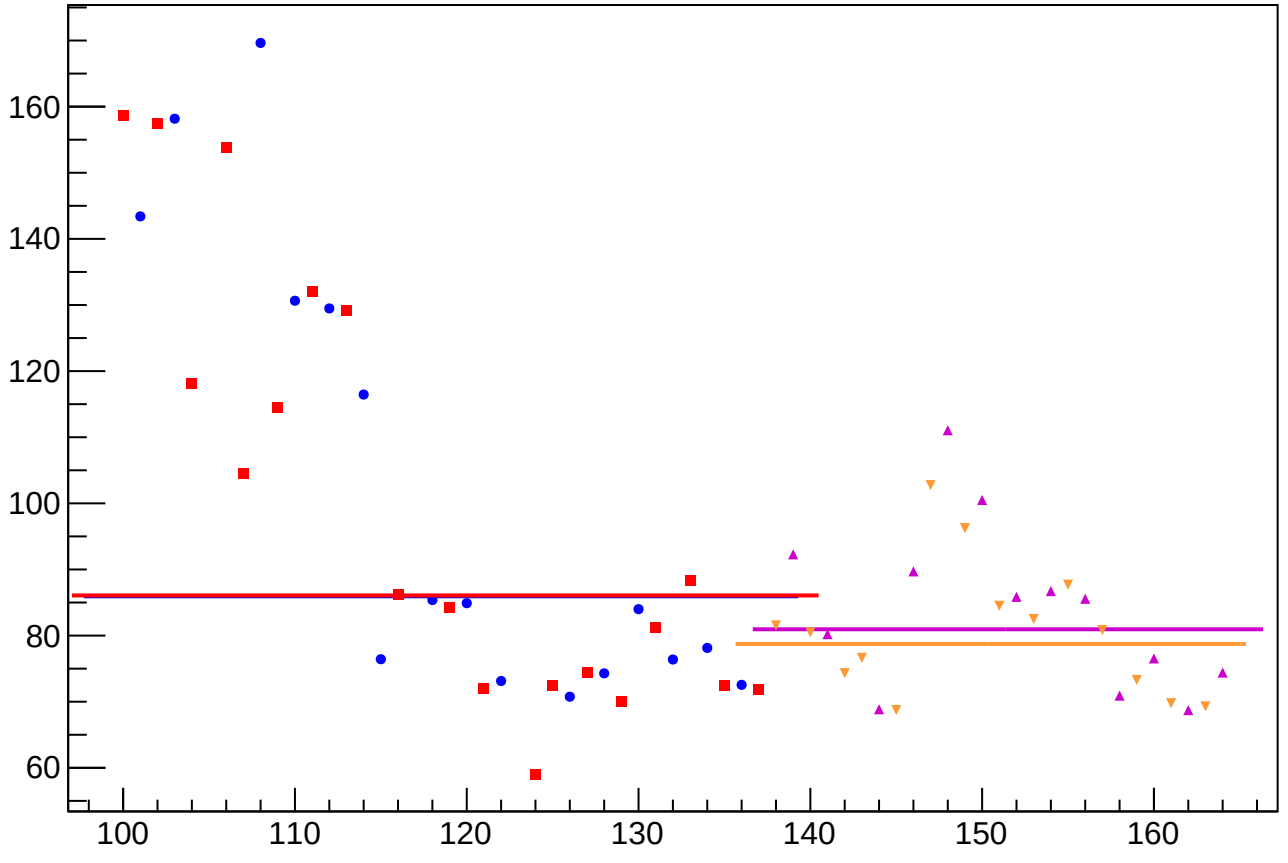
Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.010+/-0.014 χ^2/NDF: 65.9/61

- 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: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

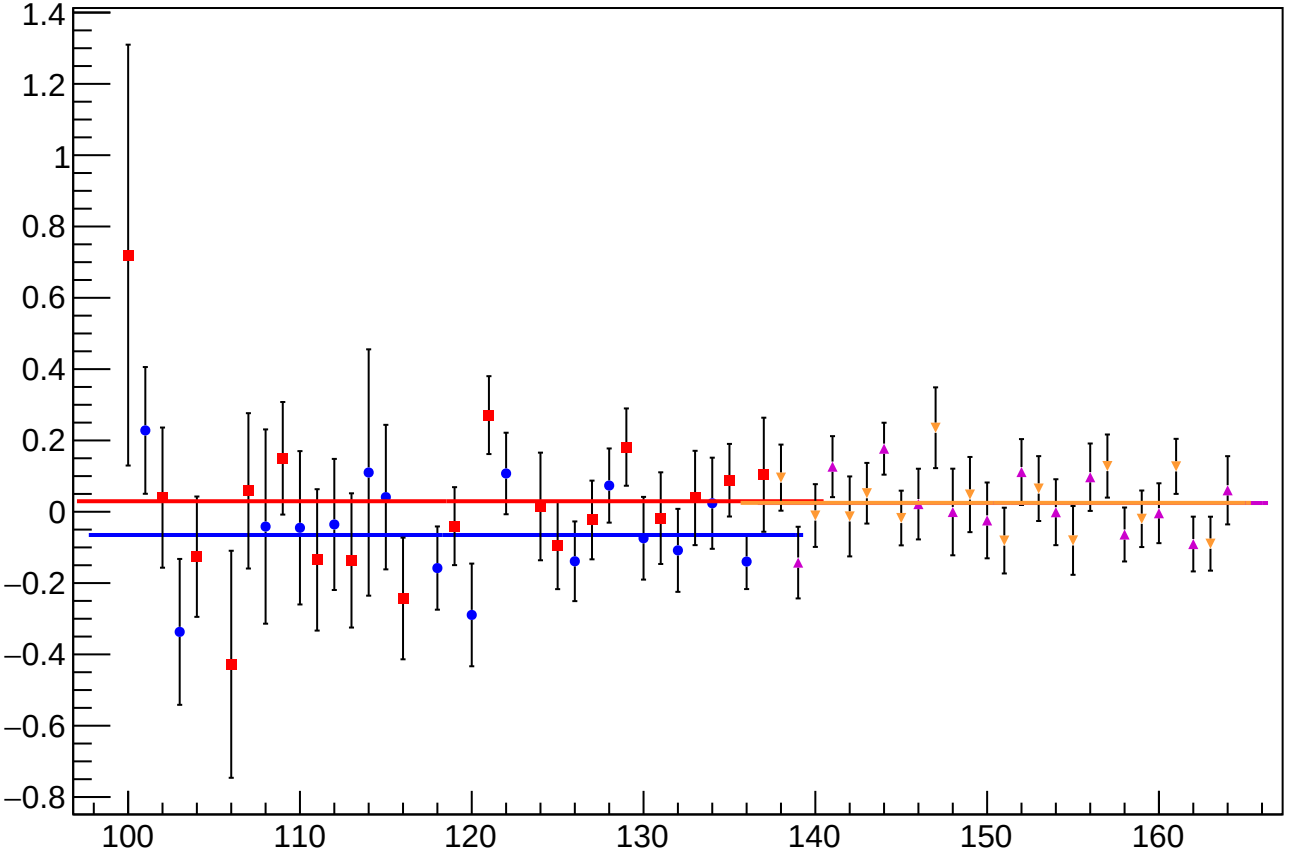
Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

+ sign 81.163+/-0.014 χ^2/NDF: 1380446.3/29

All: 81.964+/-0.010 χ^2/NDF: 2815515.0/61

- 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: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

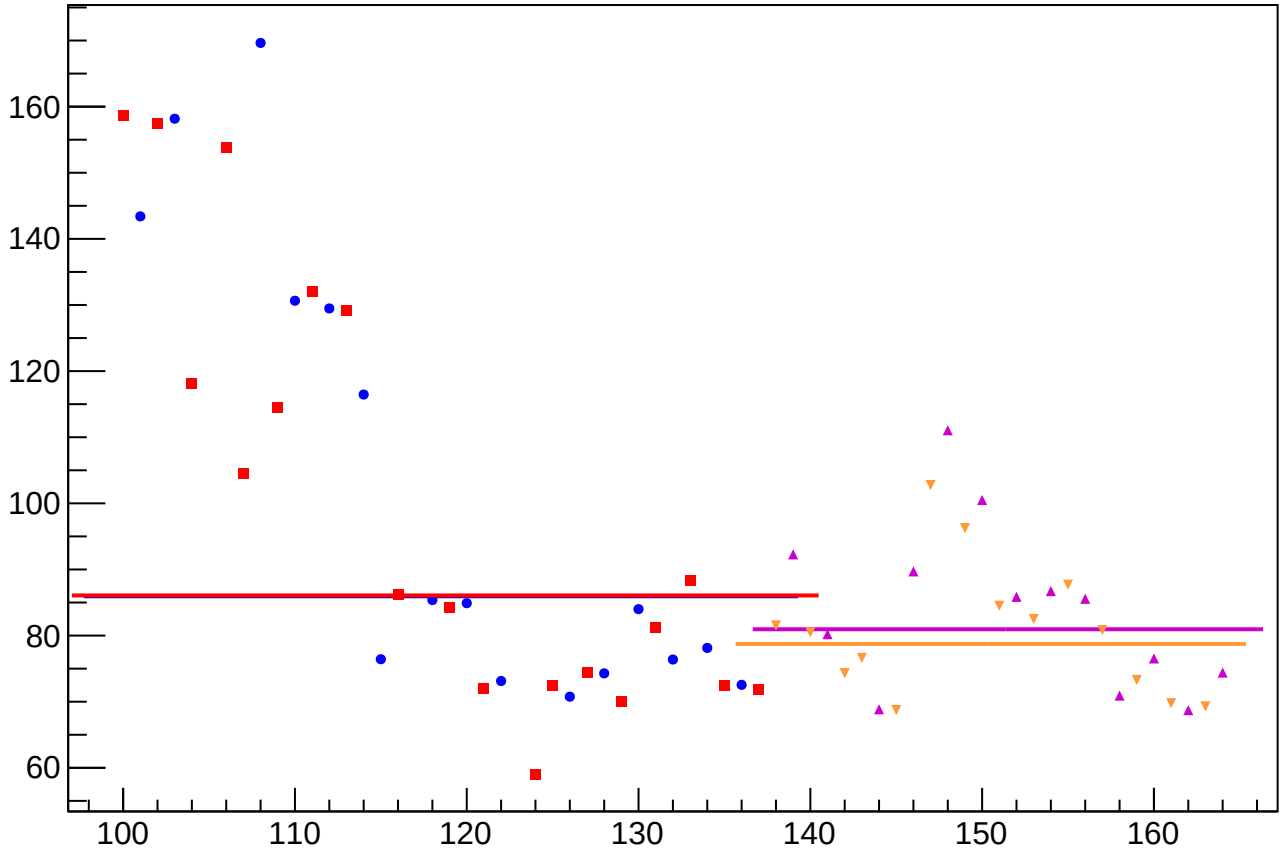
Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.010+/-0.014 χ^2/NDF: 65.9/61

- sign 0.026+/-0.020 χ^2/NDF: 32.3/31

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

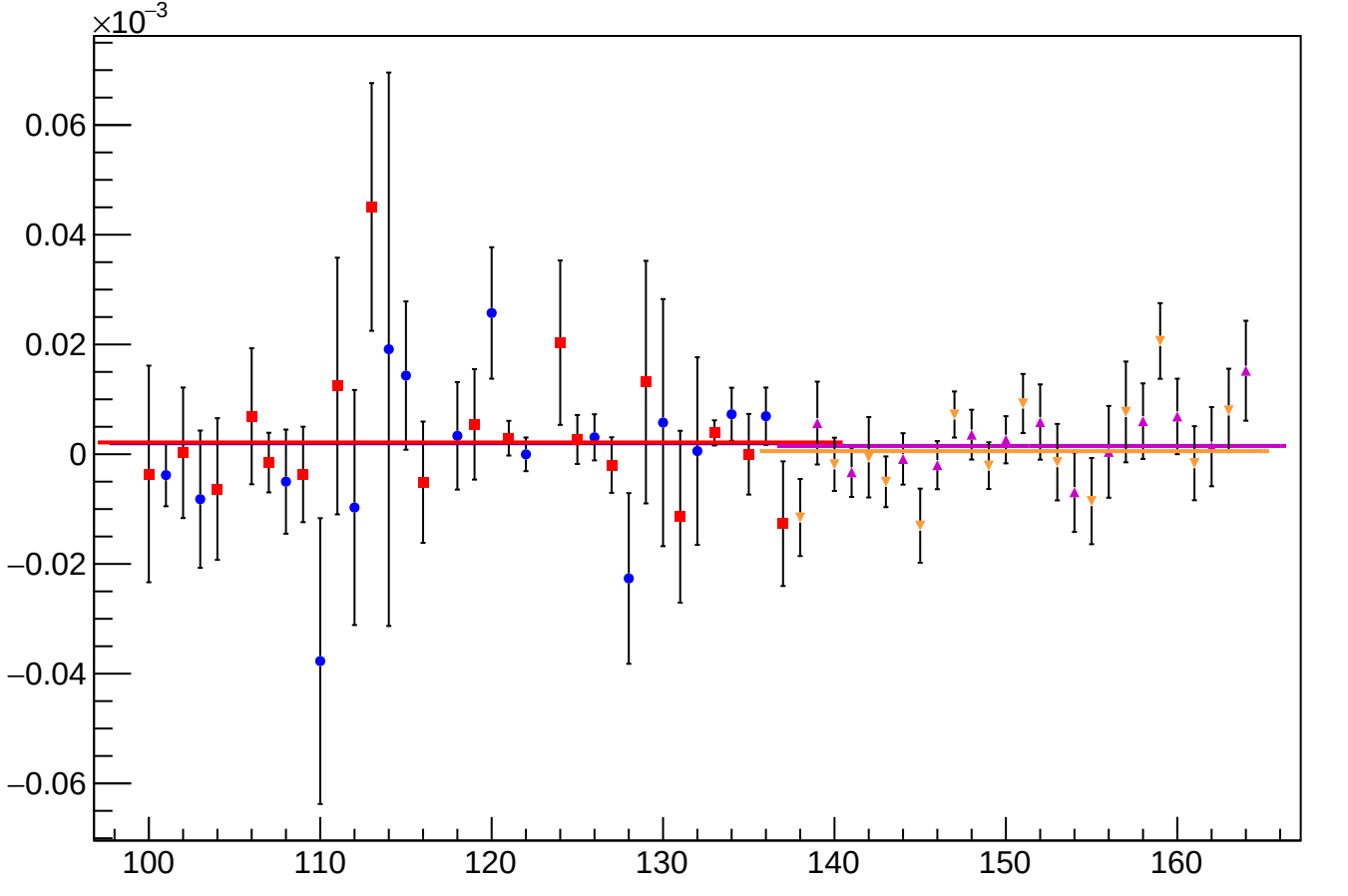
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

+ sign 81.163+/-0.014 χ^2/NDF: 1380446.3/29

All: 81.964+/-0.010 χ^2/NDF: 2815515.0/61

- 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:25.8/13

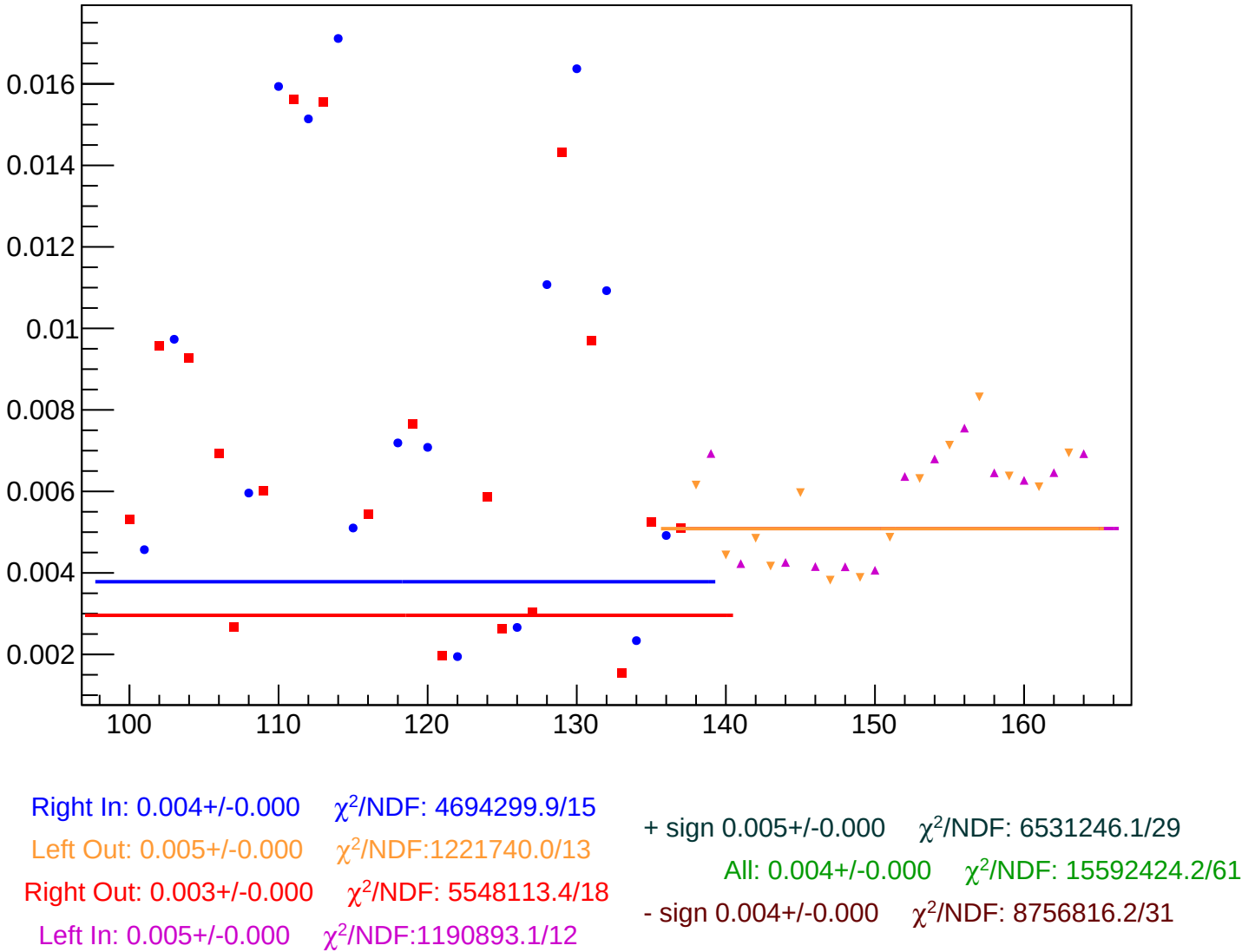
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

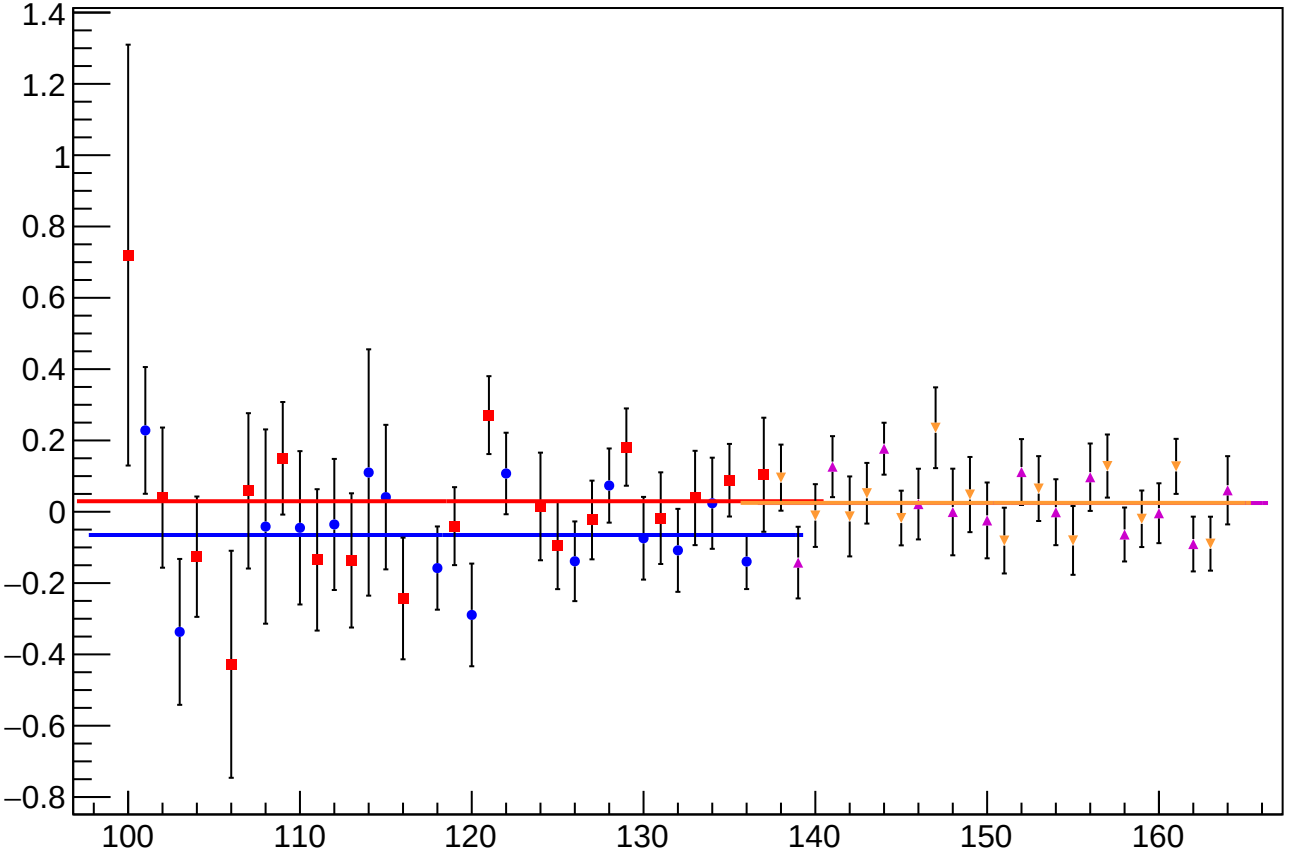
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/29

All: 0.000+/-0.000 χ^2/NDF: 60.6/61

- sign 0.000+/-0.000 χ^2/NDF: 19.3/31


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1221740.0/13
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:1190893.1/12
+ sign 0.005+/-0.000 χ²/NDF: 6531246.1/29
All: 0.004+/-0.000 χ²/NDF: 15592424.2/61
- sign 0.004+/-0.000 χ²/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: 0.025+/-0.024 χ^2/NDF:13.2/13

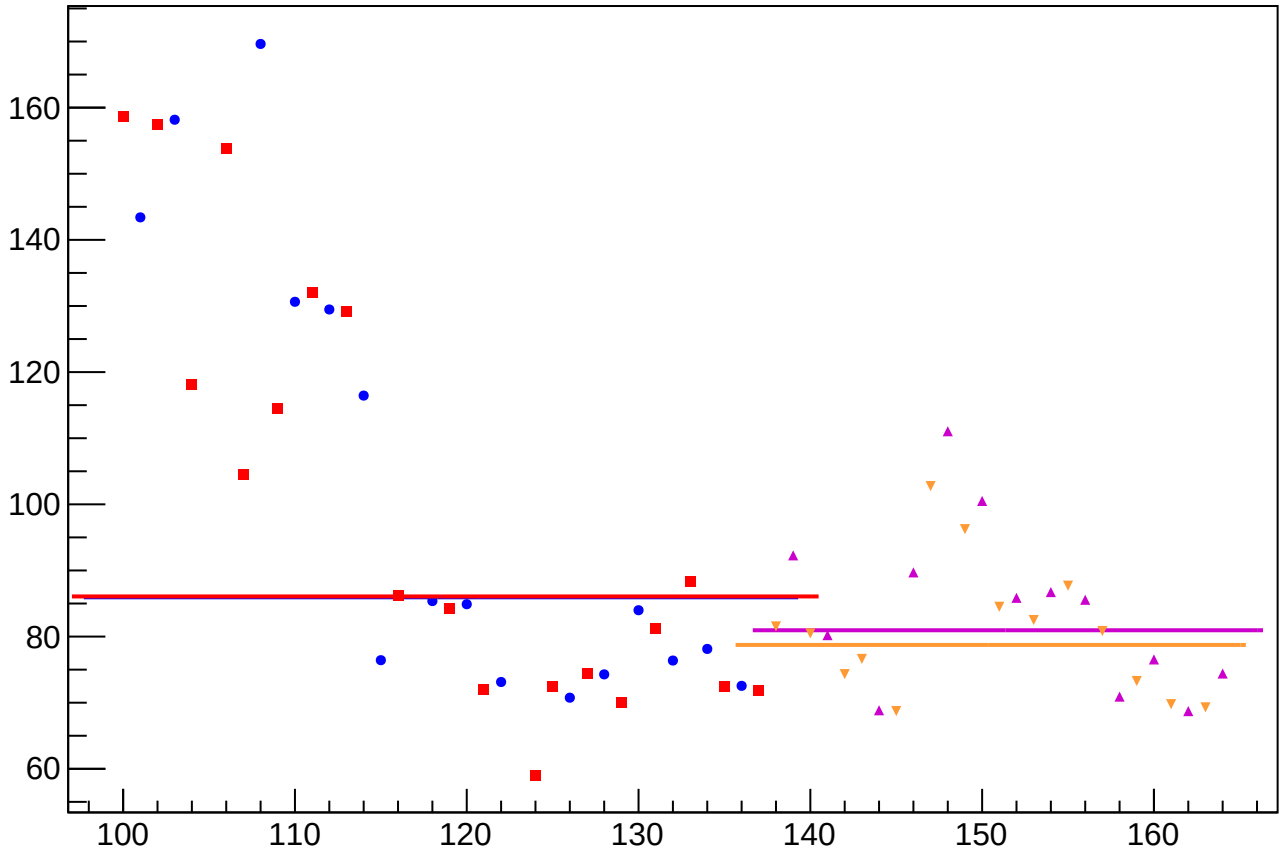
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.010+/-0.014 χ^2/NDF: 65.9/61

- 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: 78.736+/-0.017 χ^2/NDF:283315.5/13

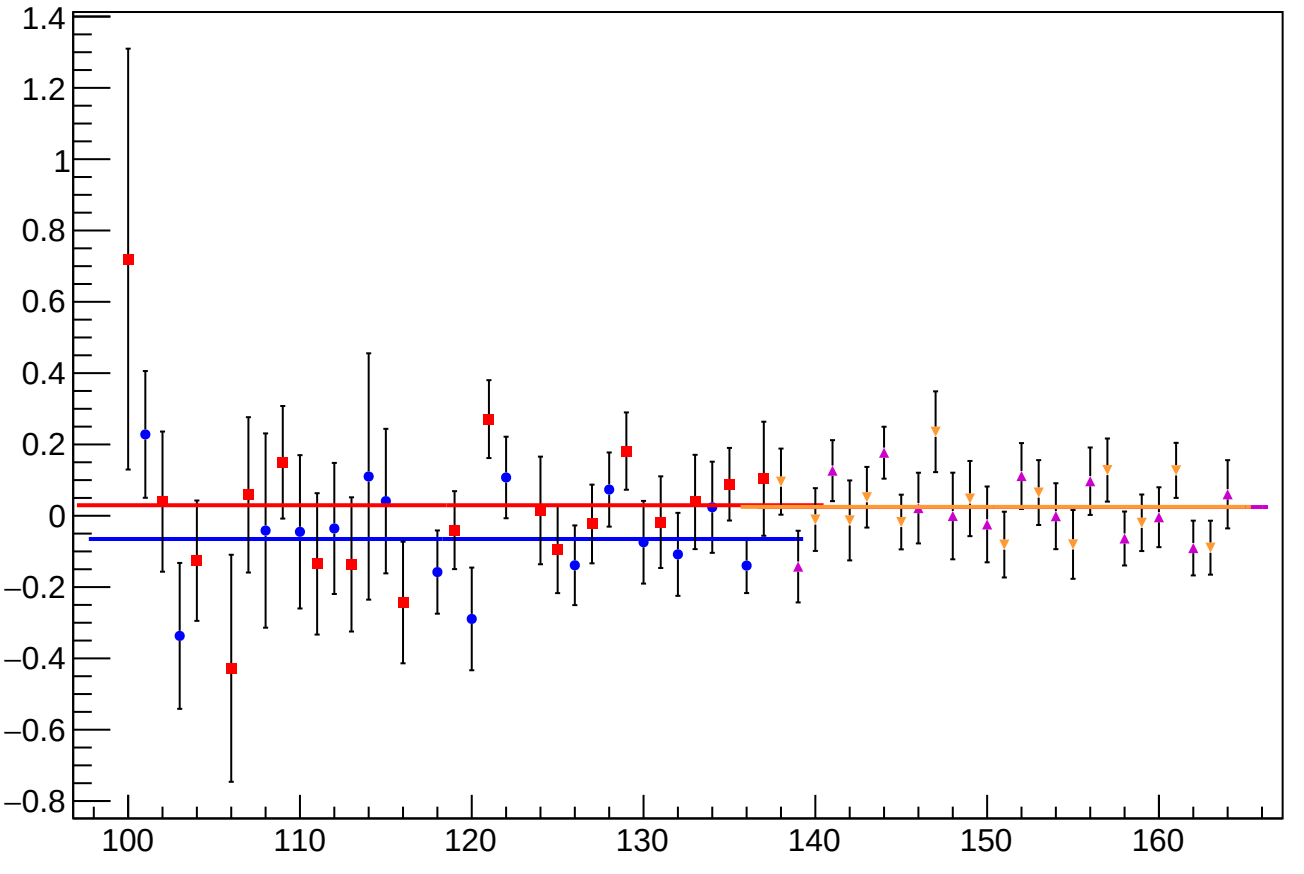
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

+ sign 81.162+/-0.014 χ^2/NDF: 1380428.4/29

All: 81.963+/-0.010 χ^2/NDF: 2815504.5/61

- 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: 0.025+/-0.024 χ^2/NDF:13.2/13

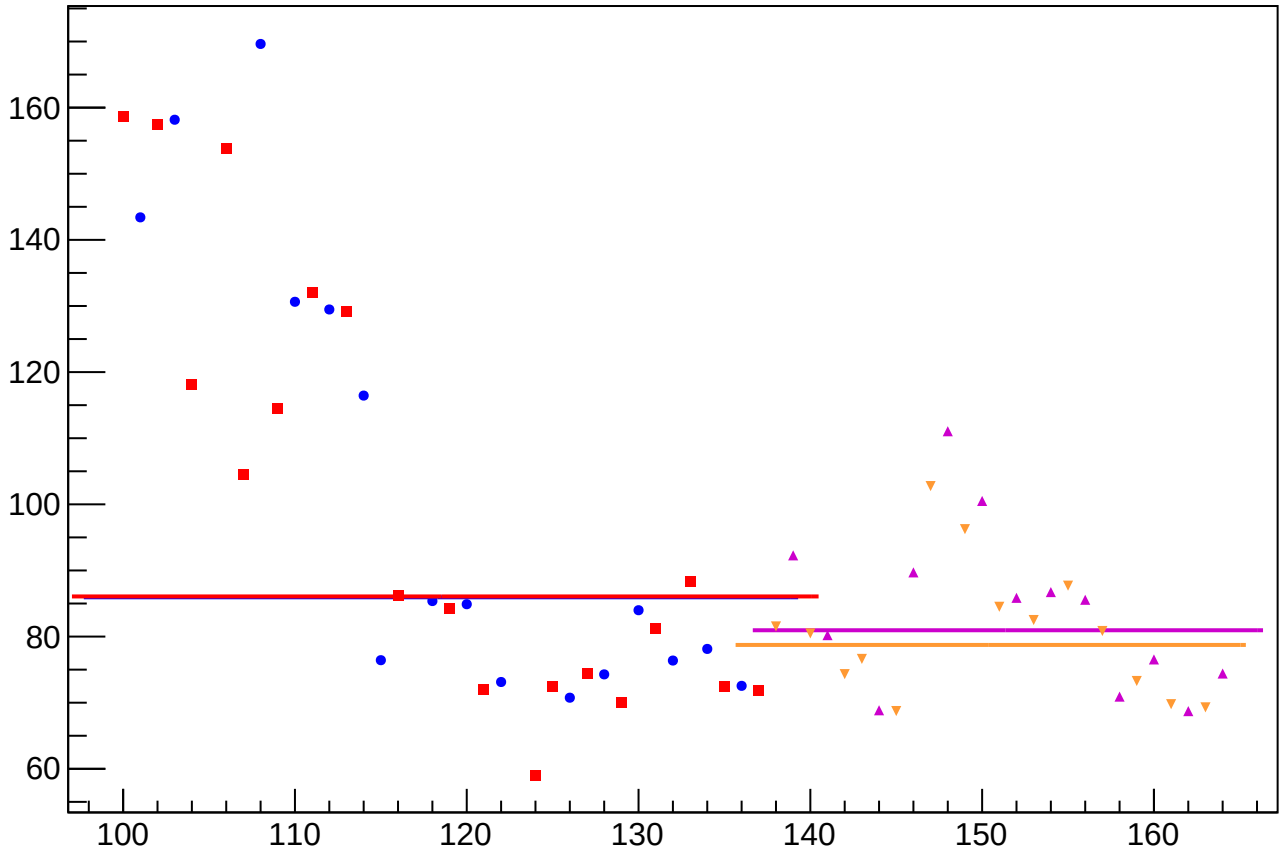
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.010+/-0.014 χ^2/NDF: 65.9/61

- 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: 78.736+/-0.017 χ^2/NDF:283315.5/13

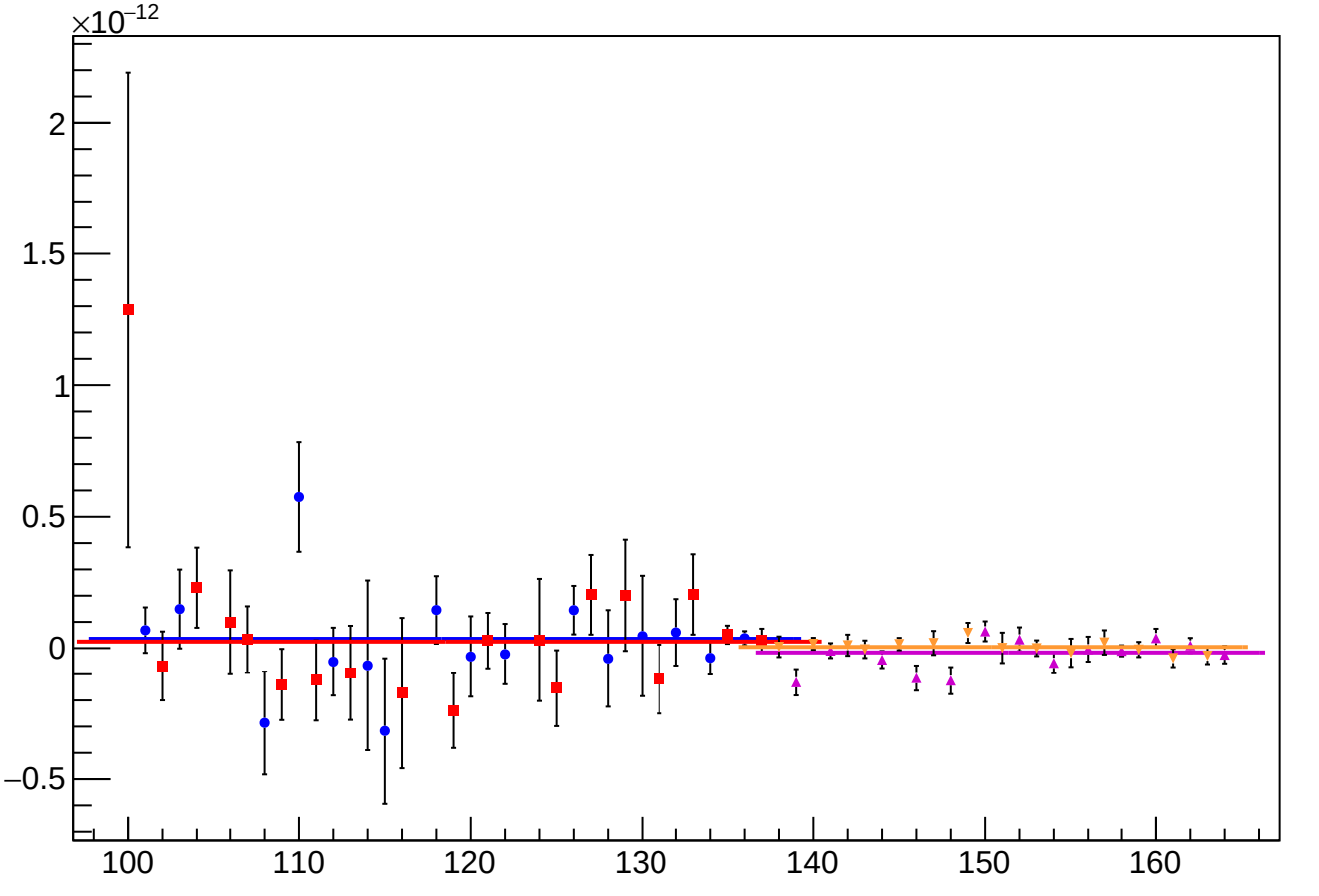
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

+ sign 81.162+/-0.014 χ^2/NDF: 1380428.4/29

All: 81.963+/-0.010 χ^2/NDF: 2815504.5/61

- 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:5.7/13

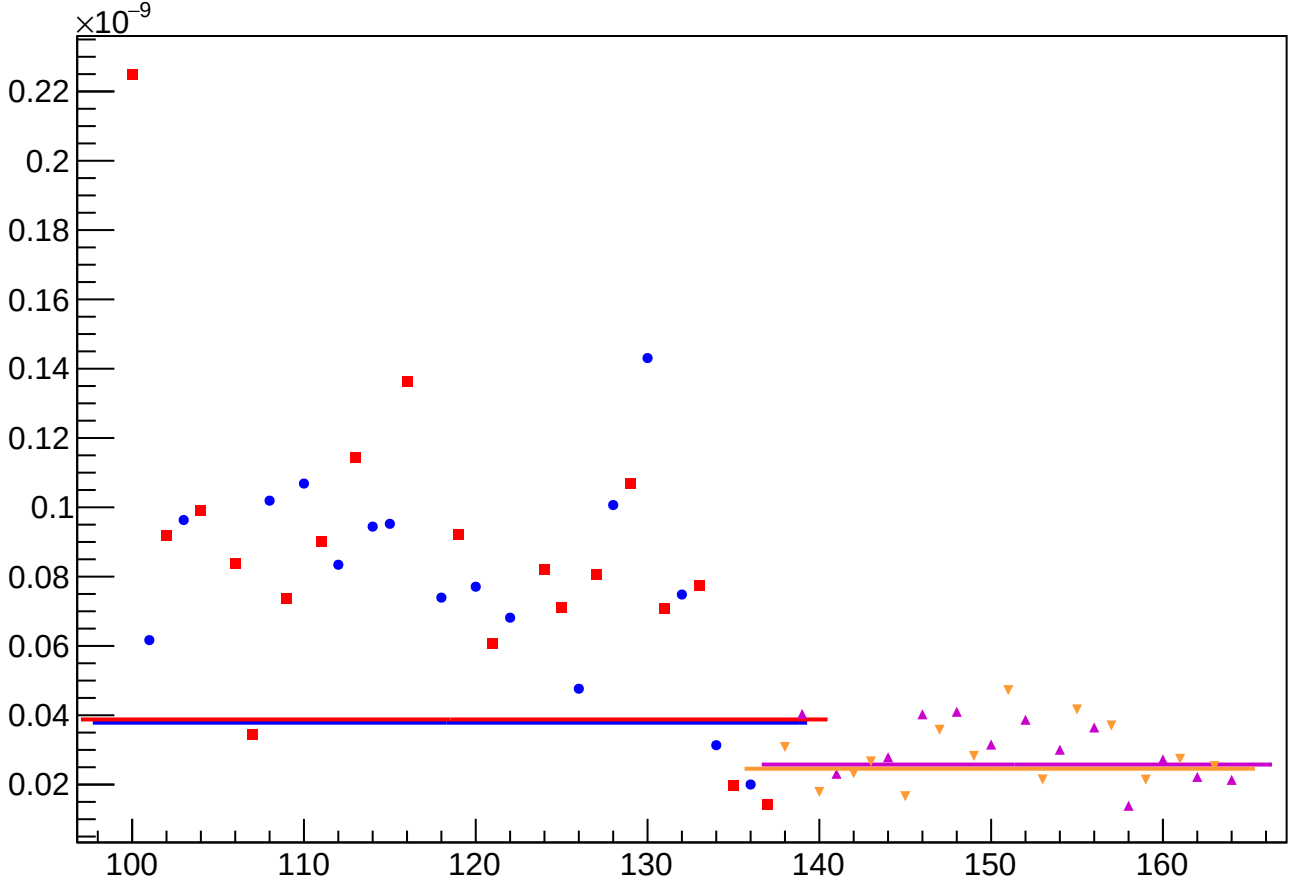
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/29

All: 0.000+/-0.000 χ^2/NDF: 72.1/61

- sign -0.000+/-0.000 χ^2/NDF: 45.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1309443.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

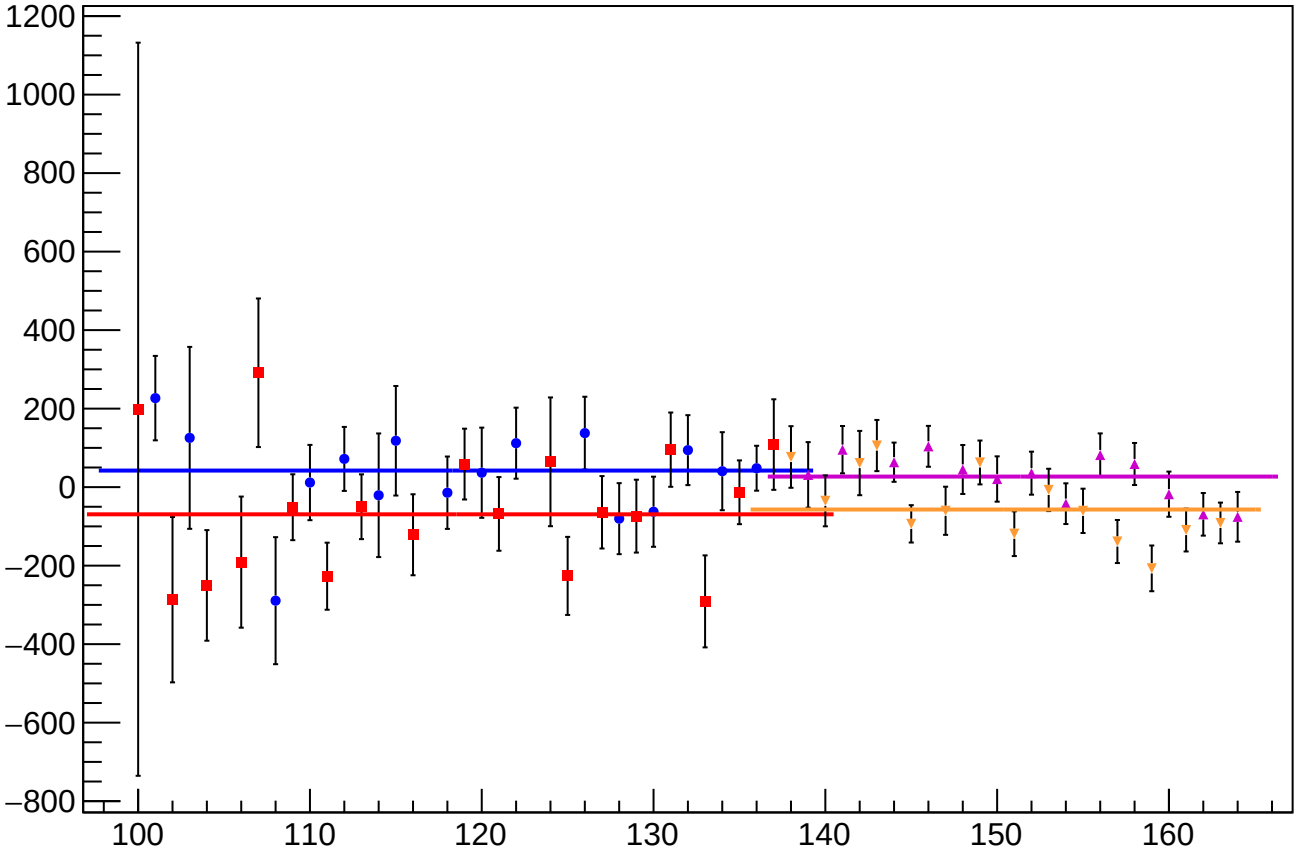
Left In: 0.000+/-0.000 χ^2/NDF:1590733.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 5462631.6/29

All: 0.000+/-0.000 χ^2/NDF: 11771771.6/61

- sign 0.000+/-0.000 χ^2/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: -57.041+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

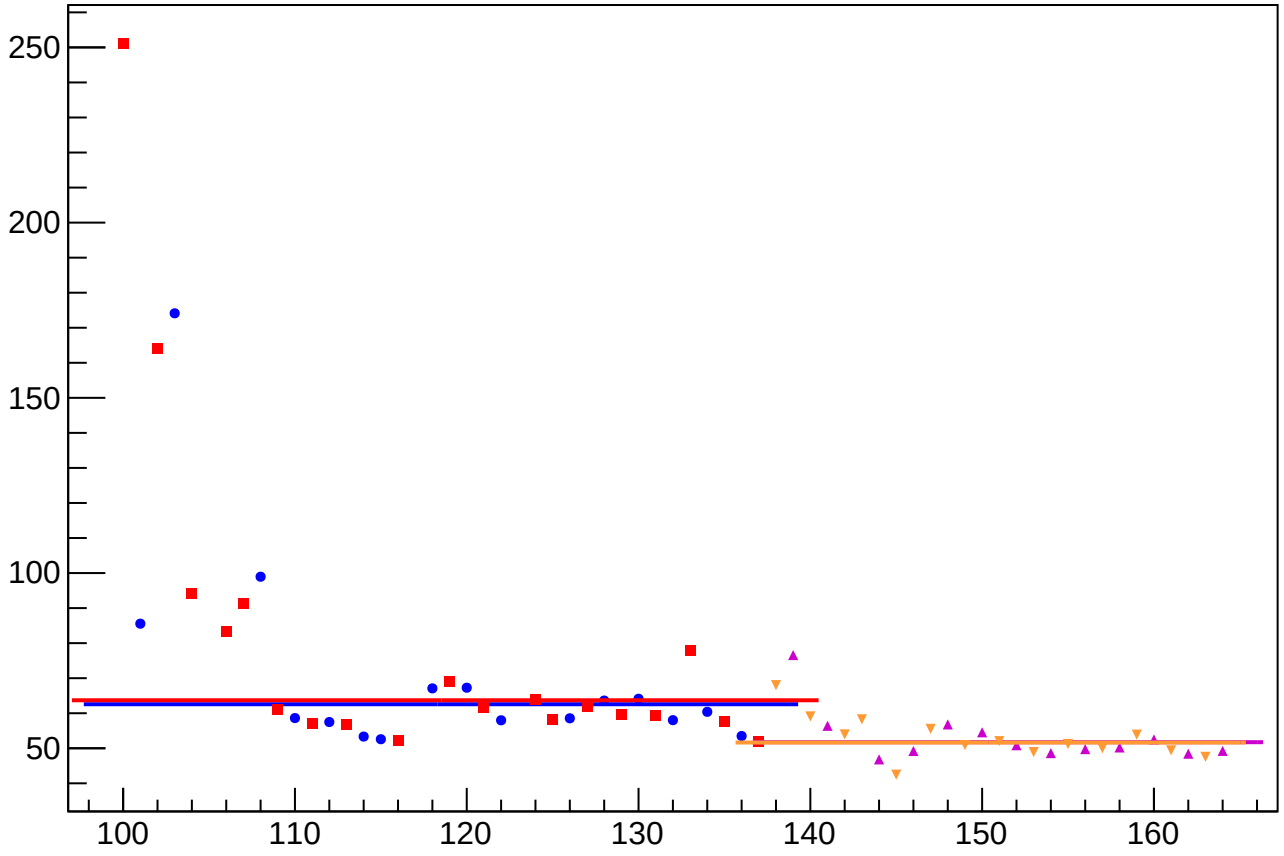
Left In: 26.902+/-15.777 χ^2/NDF:13.6/12

+ sign -27.930+/-13.109 χ^2/NDF: 54.2/29

All: -14.816+/-9.319 χ^2/NDF: 106.2/61

- 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: 51.640+/-0.011 χ^2/NDF:244296.8/13

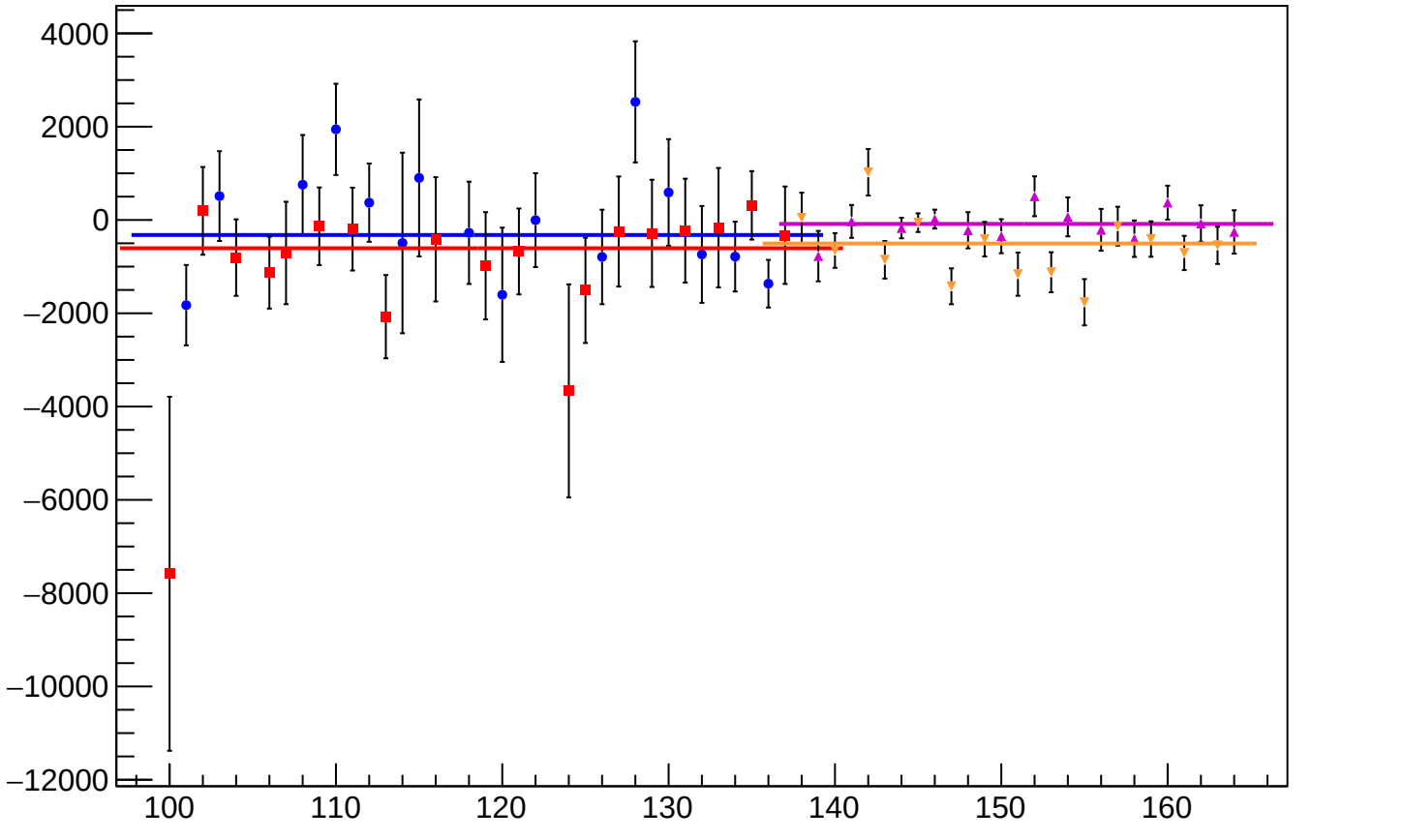
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.844+/-0.009 χ^2/NDF: 1290816.7/29

All: 55.049+/-0.007 χ^2/NDF: 2718572.1/61

- 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: -504.855+/-99.830 χ^2/NDF:33.7/13

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

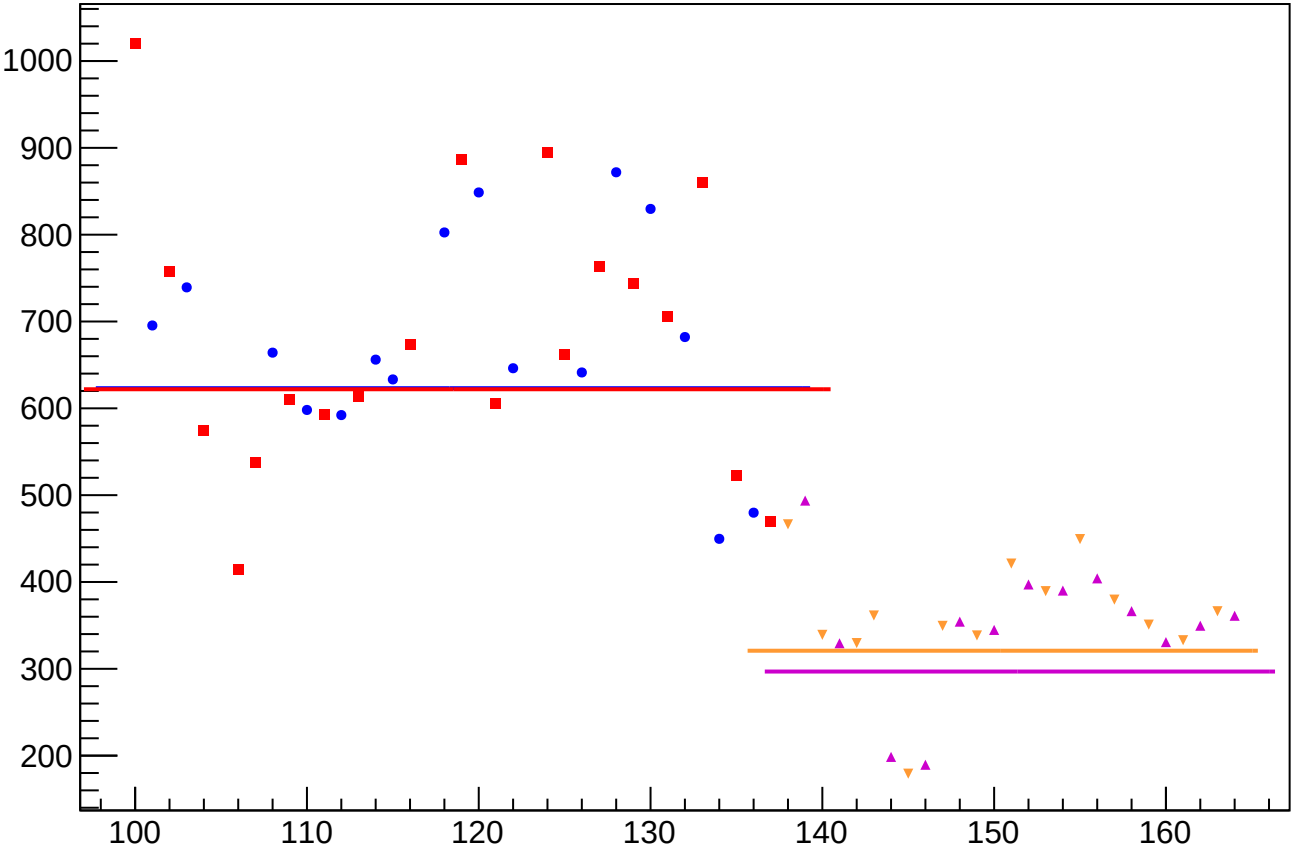
Left In: -84.257+/-94.385 χ^2/NDF:7.2/12

+ sign -477.540+/-92.088 χ^2/NDF: 56.9/29

All: -309.342+/-63.437 χ^2/NDF: 87.3/61

- 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: 320.835+/-0.071 χ^2/NDF:1547576.0/13

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

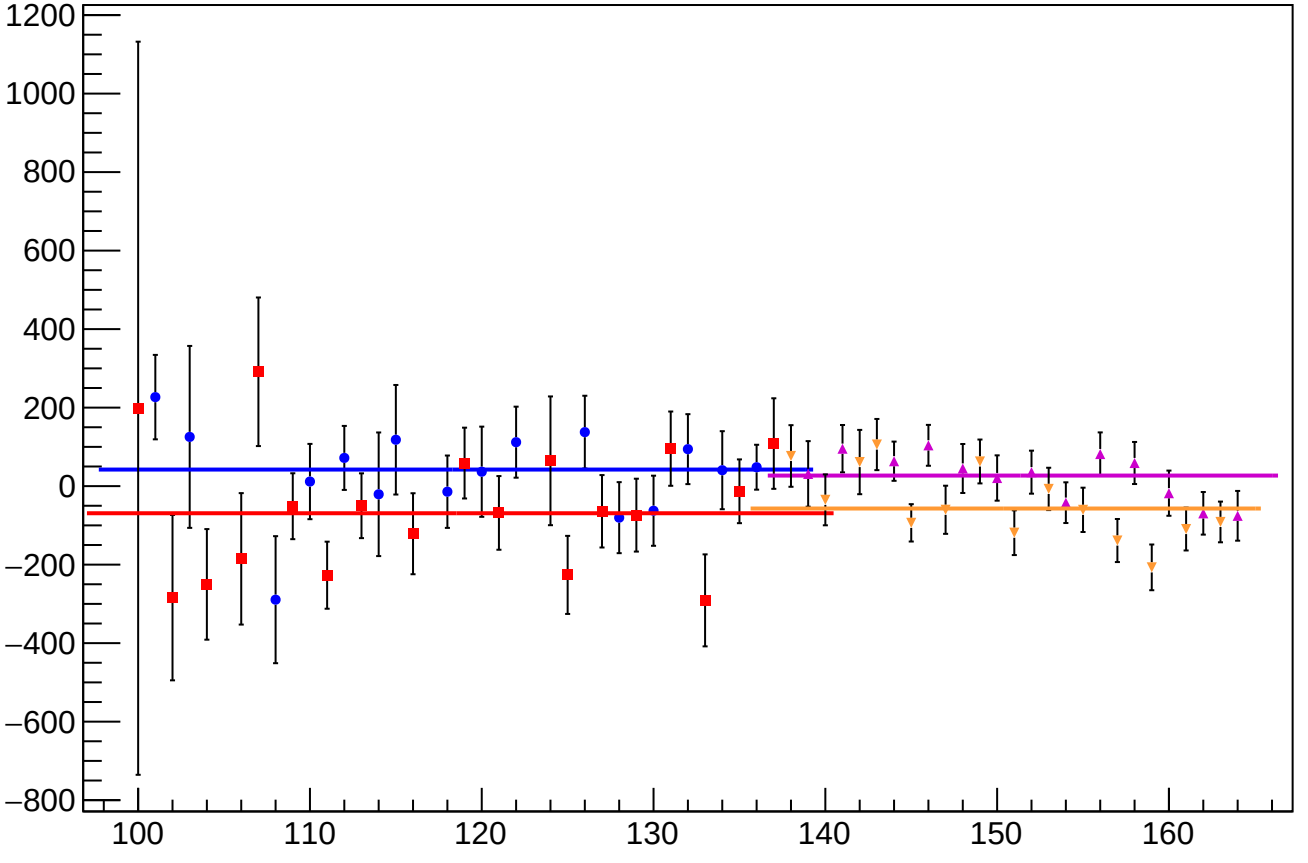
Left In: 296.858+/-0.067 χ^2/NDF:1803127.2/12

+ sign 365.916+/-0.065 χ^2/NDF: 4848392.7/29

All: 353.597+/-0.045 χ^2/NDF: 10631514.6/61

- 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: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

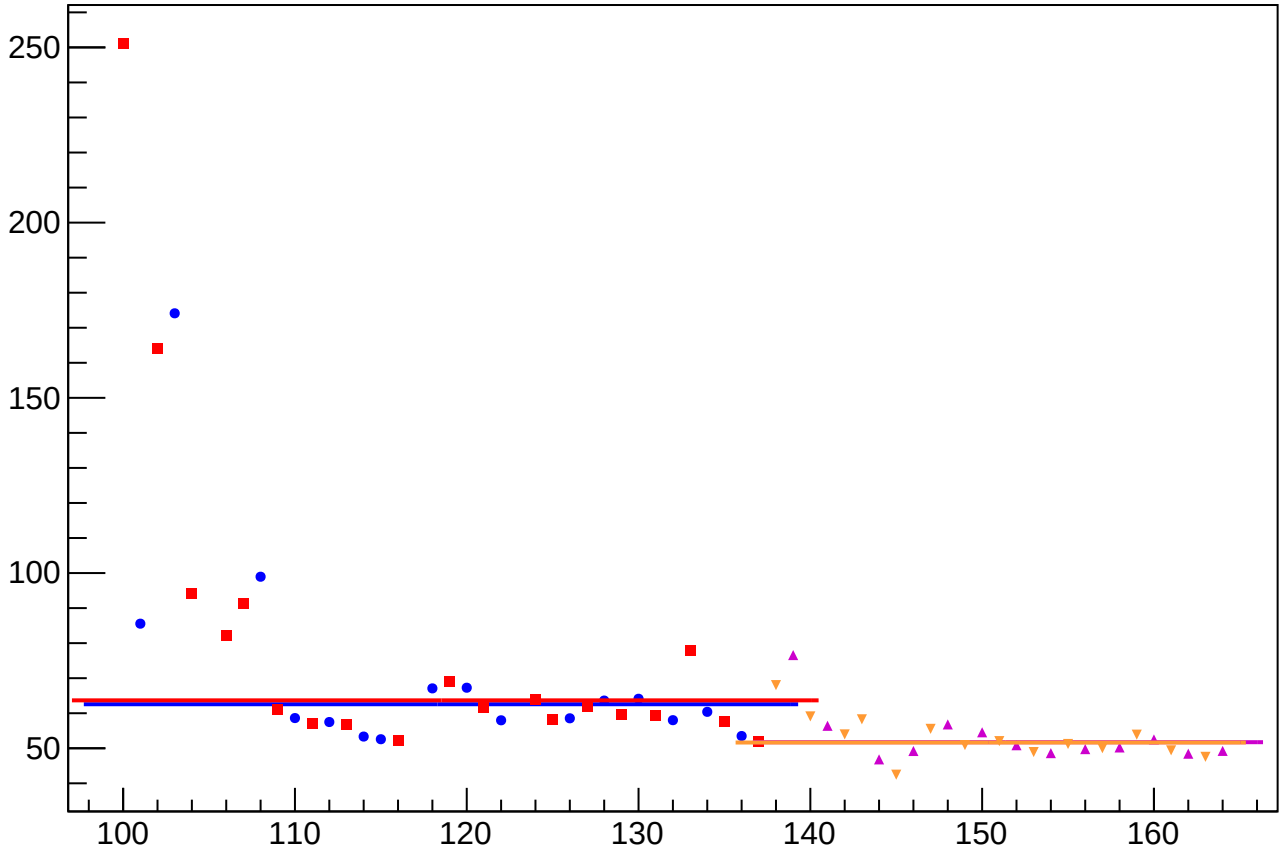
Left In: 26.901+/-15.777 χ^2/NDF:13.6/12

+ sign -27.931+/-13.109 χ^2/NDF: 54.2/29

All: -14.789+/-9.320 χ^2/NDF: 106.0/61

- 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: 51.640+/-0.011 χ^2/NDF:244296.8/13

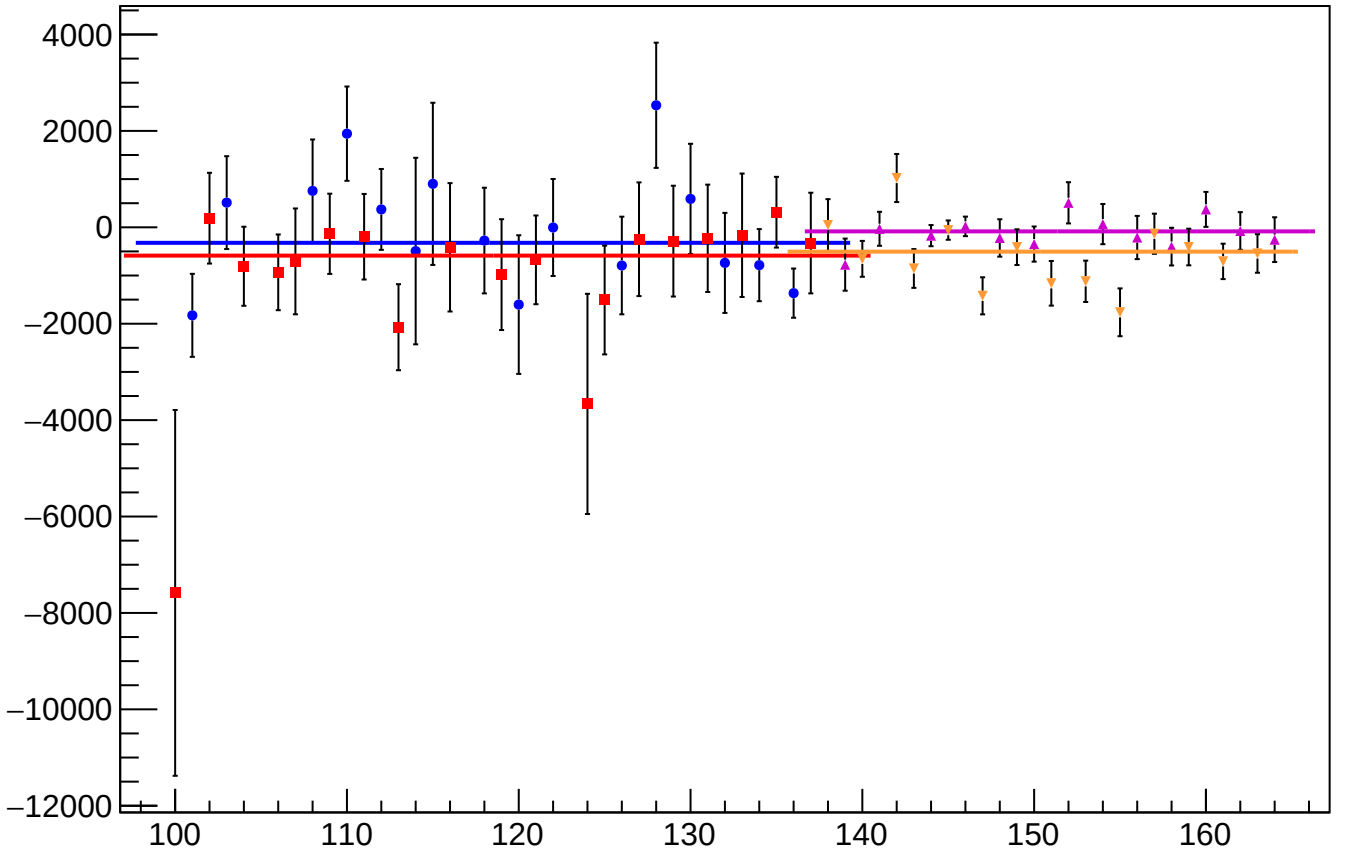
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.844+/-0.009 χ^2/NDF: 1290818.7/29

All: 55.046+/-0.007 χ^2/NDF: 2714396.9/61

- 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: -504.851+/-99.830 χ^2/NDF:33.7/13

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

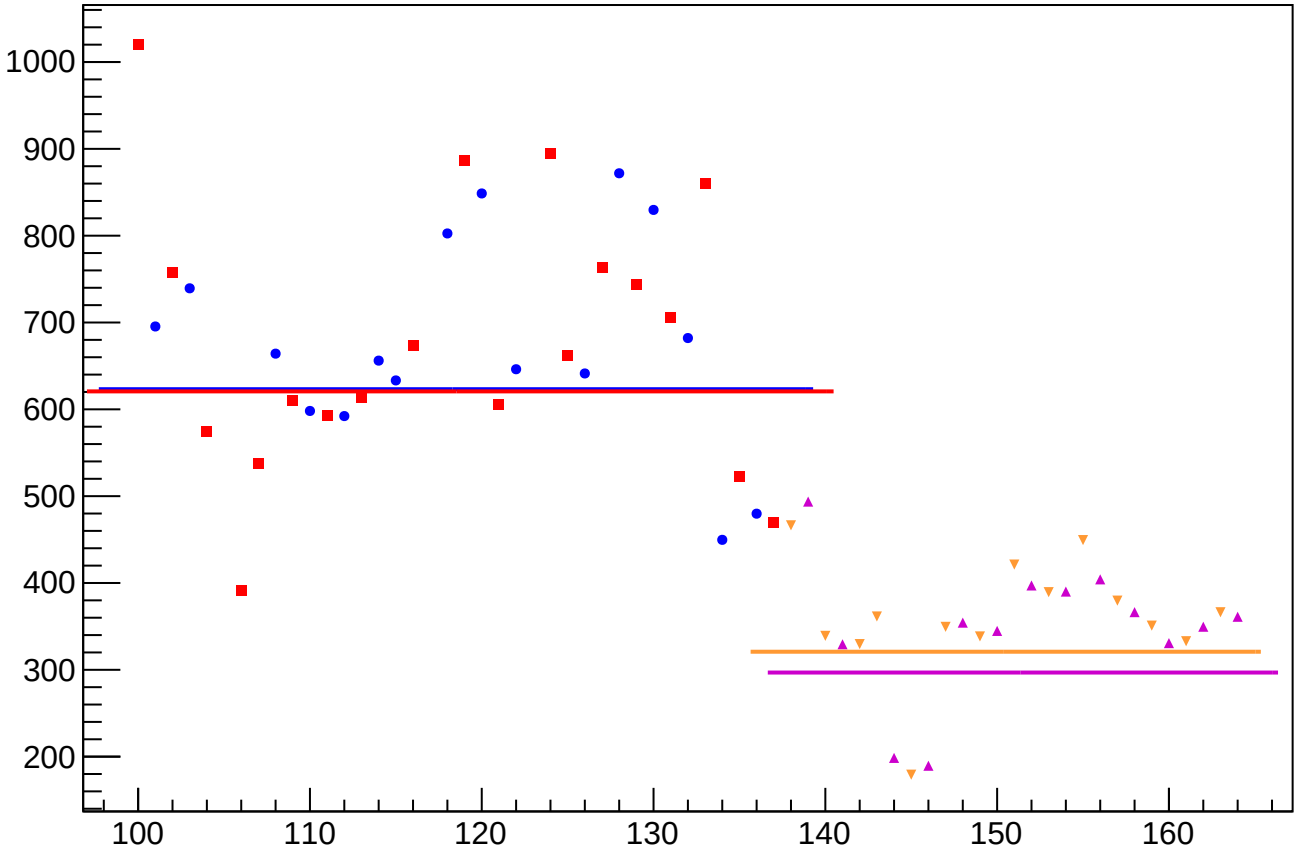
Left In: -84.261+/-94.385 χ^2/NDF:7.2/12

+ sign -477.537+/-92.088 χ^2/NDF: 56.9/29

All: -307.891+/-63.446 χ^2/NDF: 86.8/61

- 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: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

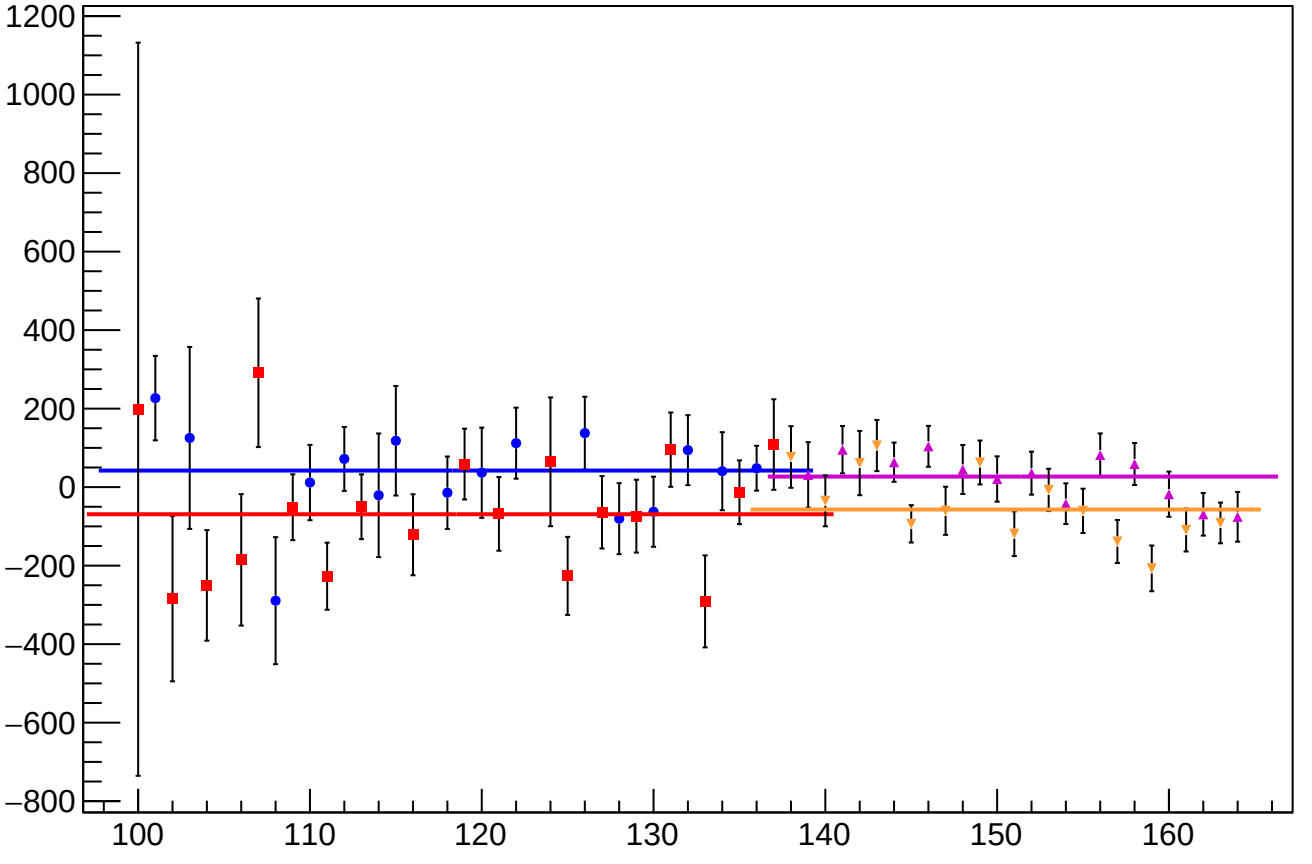
Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

+ sign 365.915+/-0.065 χ^2/NDF: 4848461.4/29

All: 353.427+/-0.045 χ^2/NDF: 10624229.1/61

- 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: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

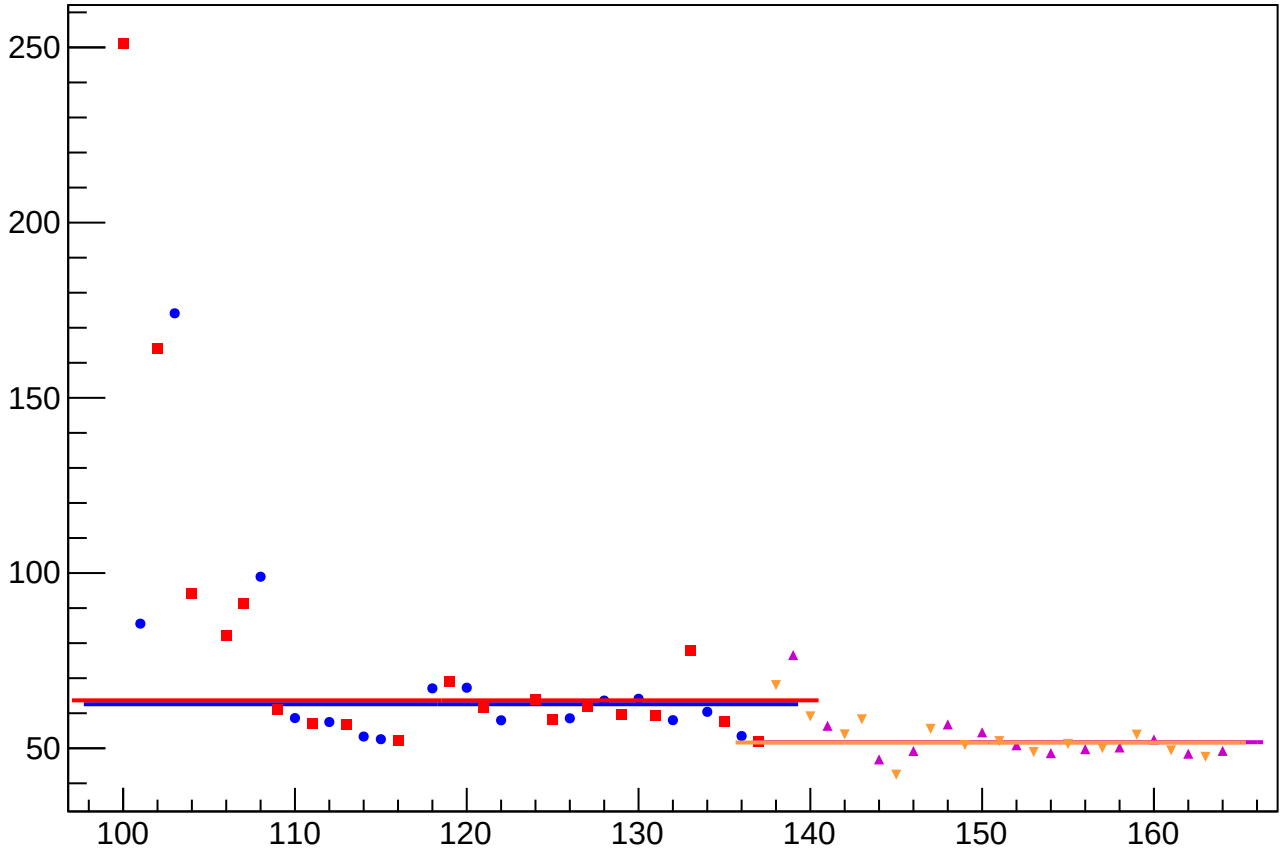
Left In: 26.901+/-15.777 χ^2/NDF:13.6/12

+ sign -27.931+/-13.109 χ^2/NDF: 54.2/29

All: -14.789+/-9.320 χ^2/NDF: 106.0/61

- 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: 51.640+/-0.011 χ^2/NDF:244296.8/13

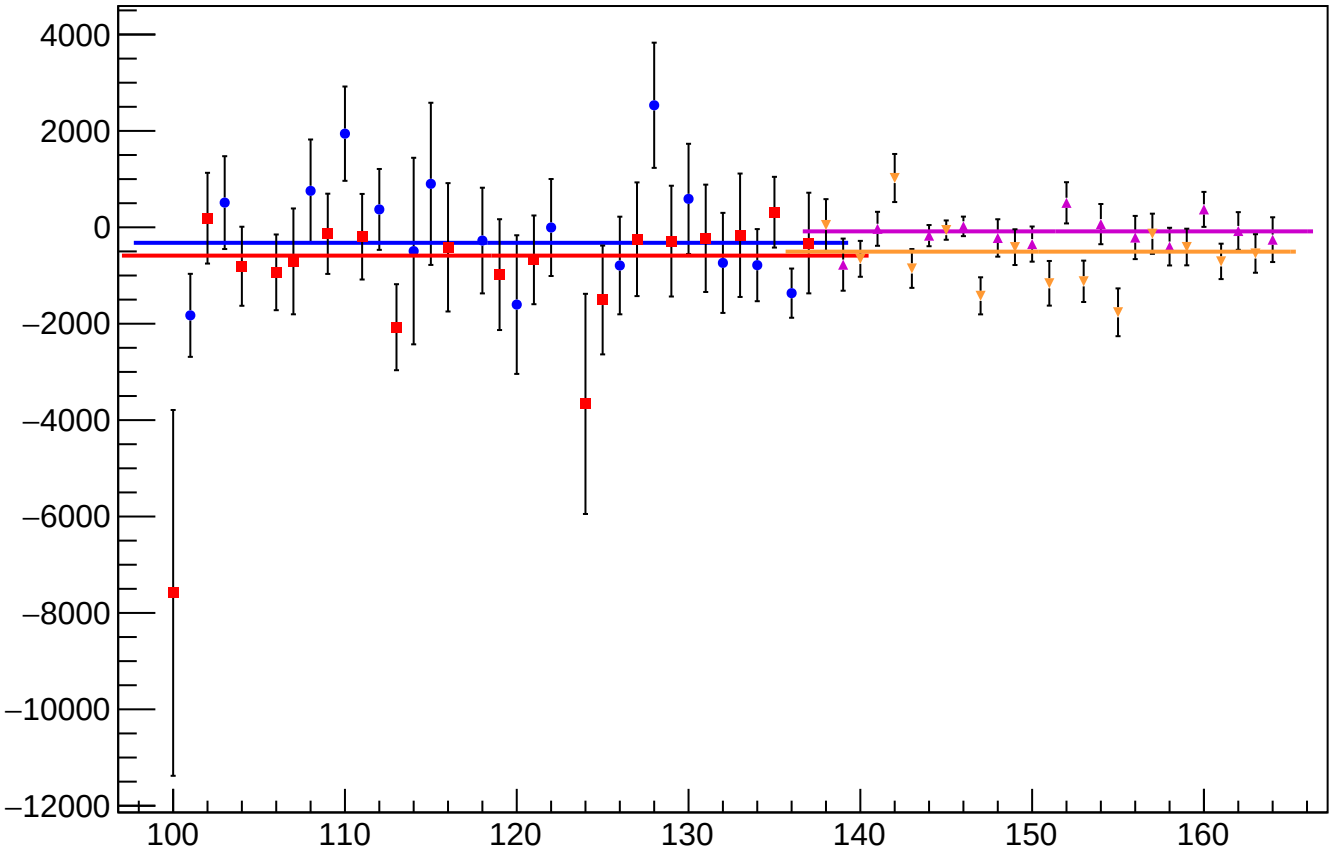
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.844+/-0.009 χ^2/NDF: 1290818.7/29

All: 55.046+/-0.007 χ^2/NDF: 2714396.9/61

- 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: -504.851+/-99.830 χ^2/NDF:33.7/13

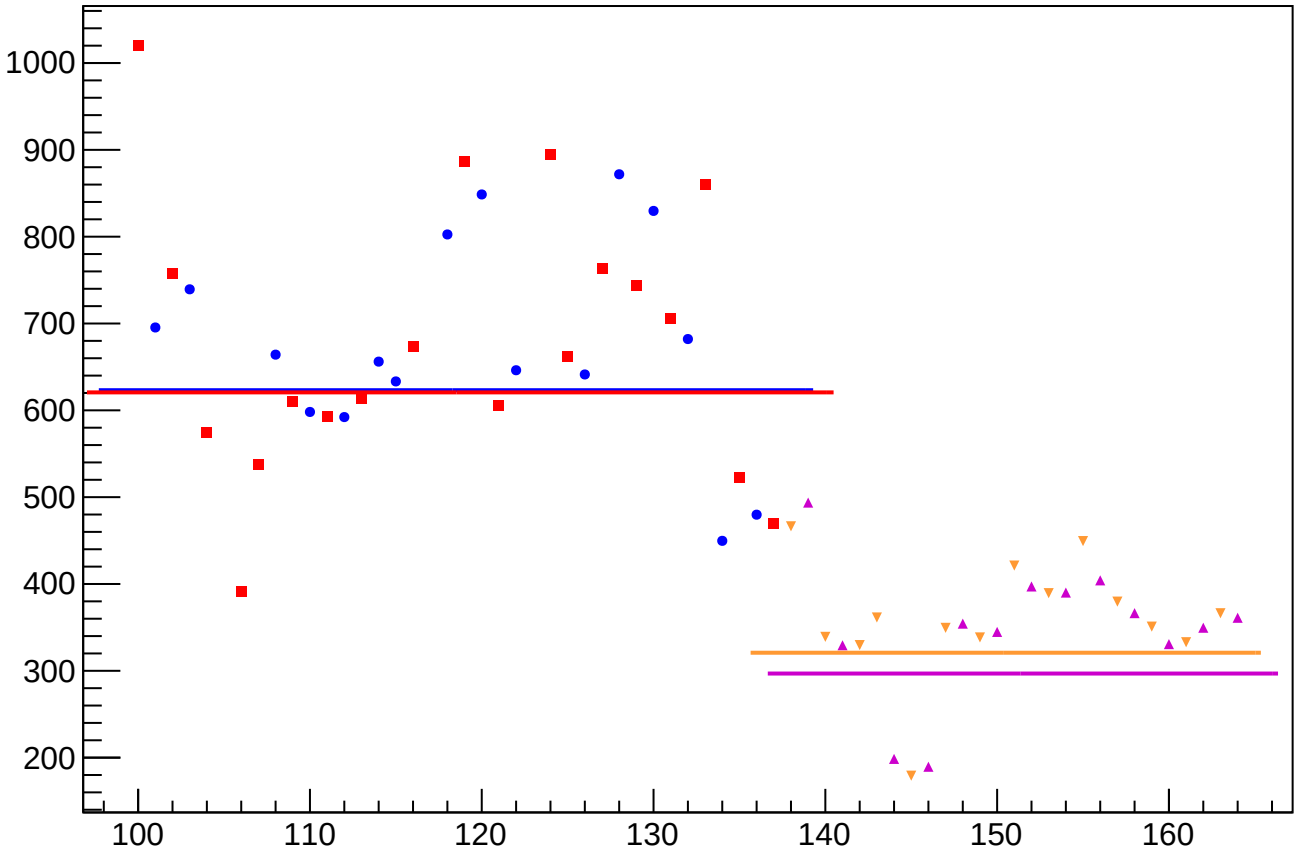
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -84.261+/-94.385 χ^2/NDF:7.2/12

+ sign -477.537+/-92.088 χ^2/NDF: 56.9/29

All: -307.891+/-63.446 χ^2/NDF: 86.8/61

- sign -154.599+/-87.537 χ^2/NDF: 23.4/31



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

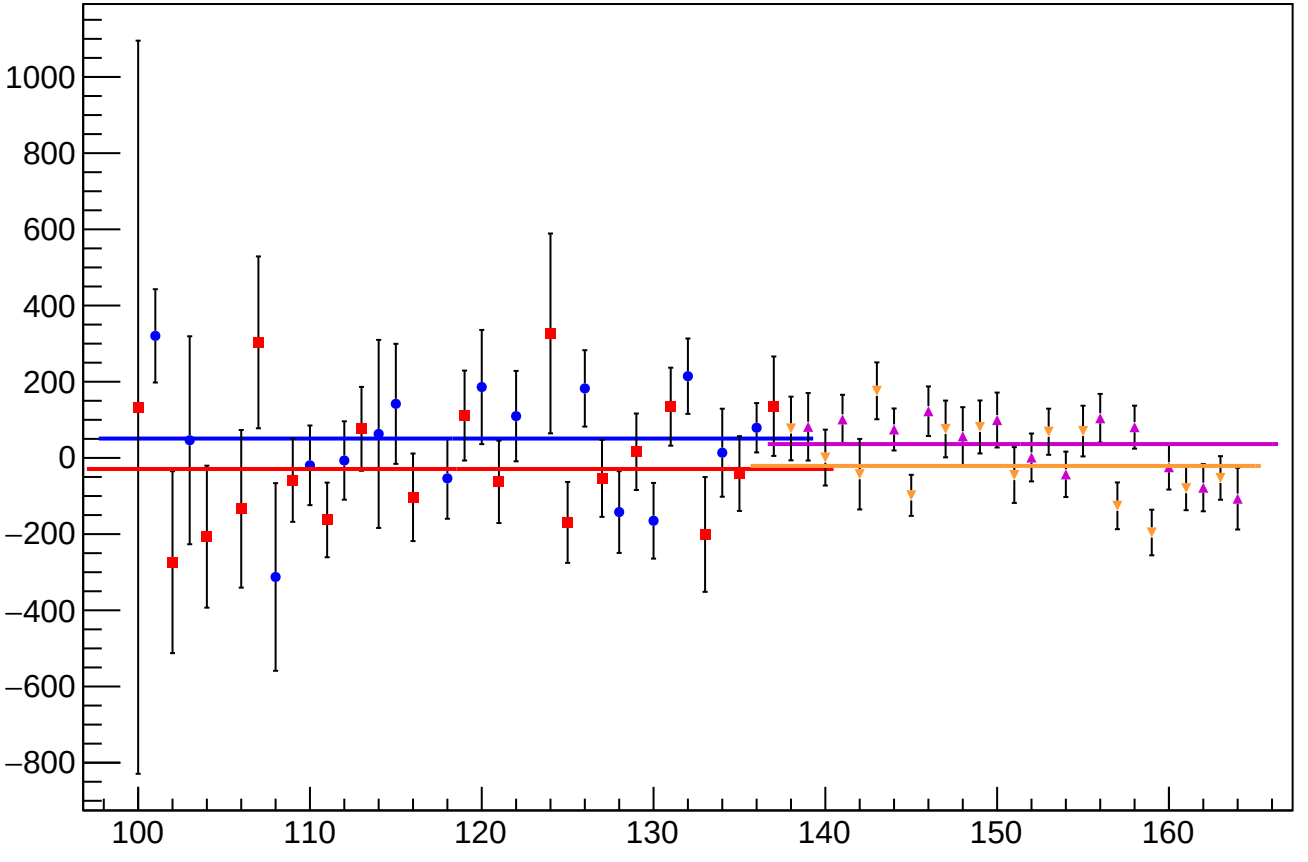
Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

+ sign 365.915+/-0.065 χ^2/NDF: 4848461.4/29

All: 353.427+/-0.045 χ^2/NDF: 10624229.1/61

- 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: -21.004+/-17.698 χ^2/NDF:31.4/13

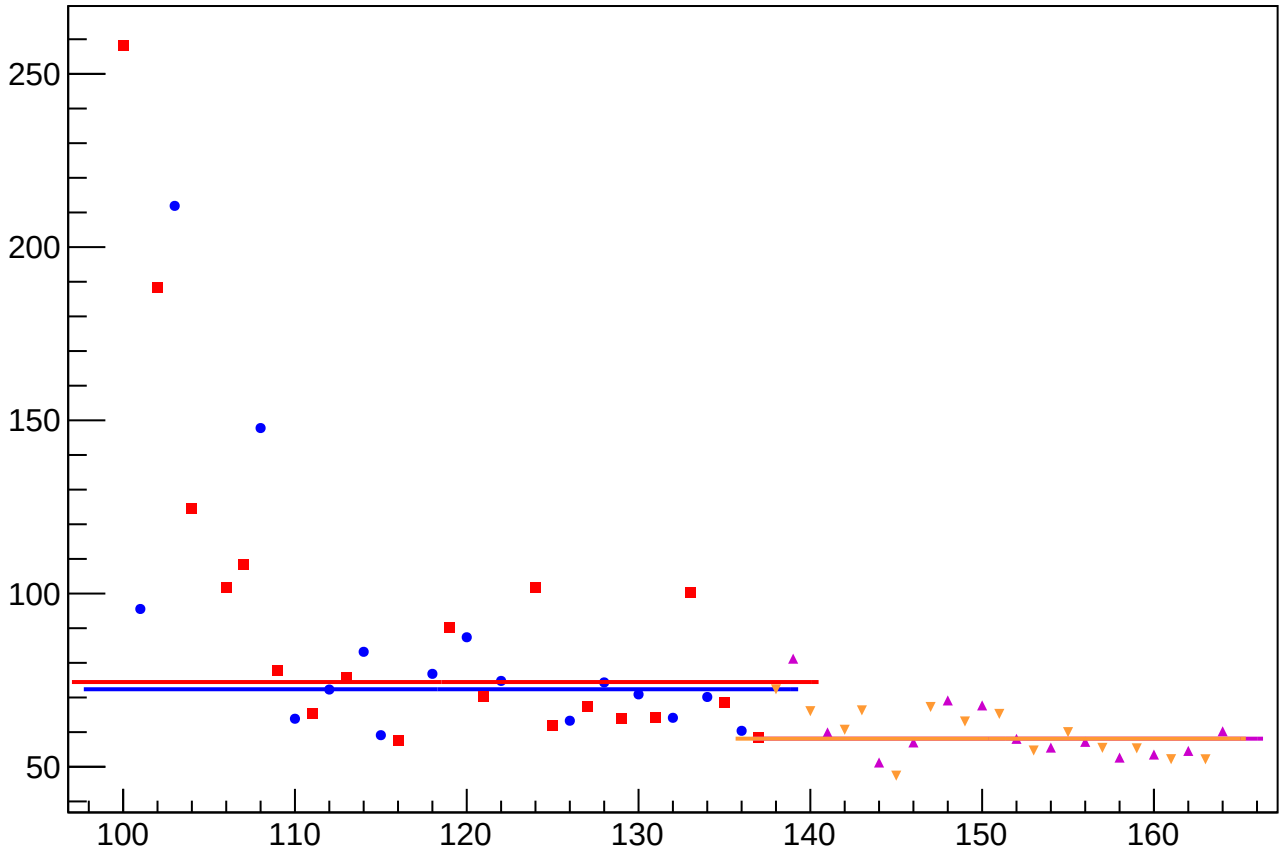
Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: 36.361+/-17.975 χ^2/NDF:15.8/12

+ sign -0.822+/-15.008 χ^2/NDF: 58.9/29

All: 8.492+/-10.702 χ^2/NDF: 97.7/61

- sign 18.127+/-15.265 χ^2/NDF: 38.0/31



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.120+/-0.013 χ^2/NDF:303737.1/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

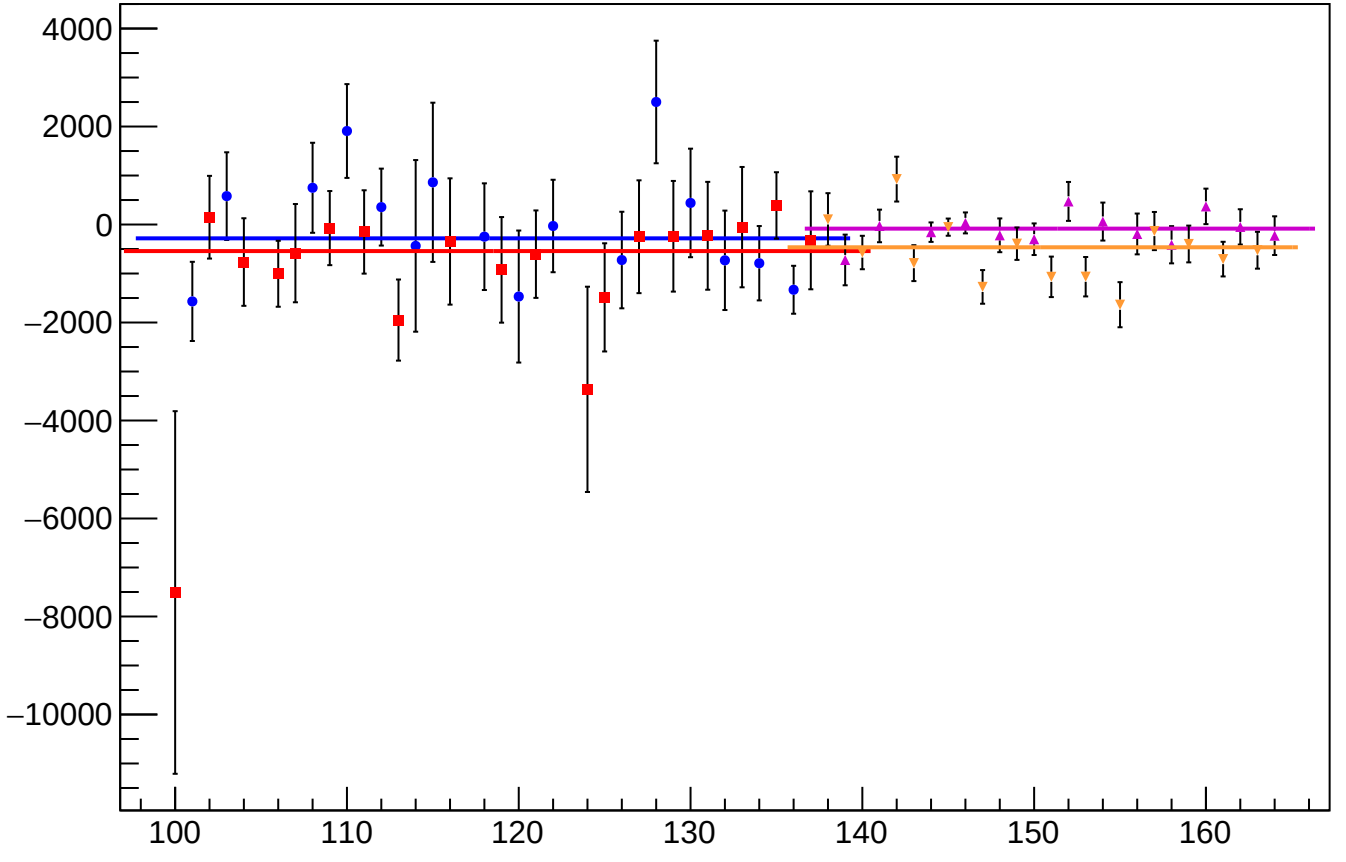
Left In: 58.115+/-0.013 χ^2/NDF:289370.5/12

+ sign 62.125+/-0.011 χ^2/NDF: 1606549.9/29

All: 62.394+/-0.008 χ^2/NDF: 3410788.9/61

- sign 62.673+/-0.011 χ^2/NDF: 1802928.0/31

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

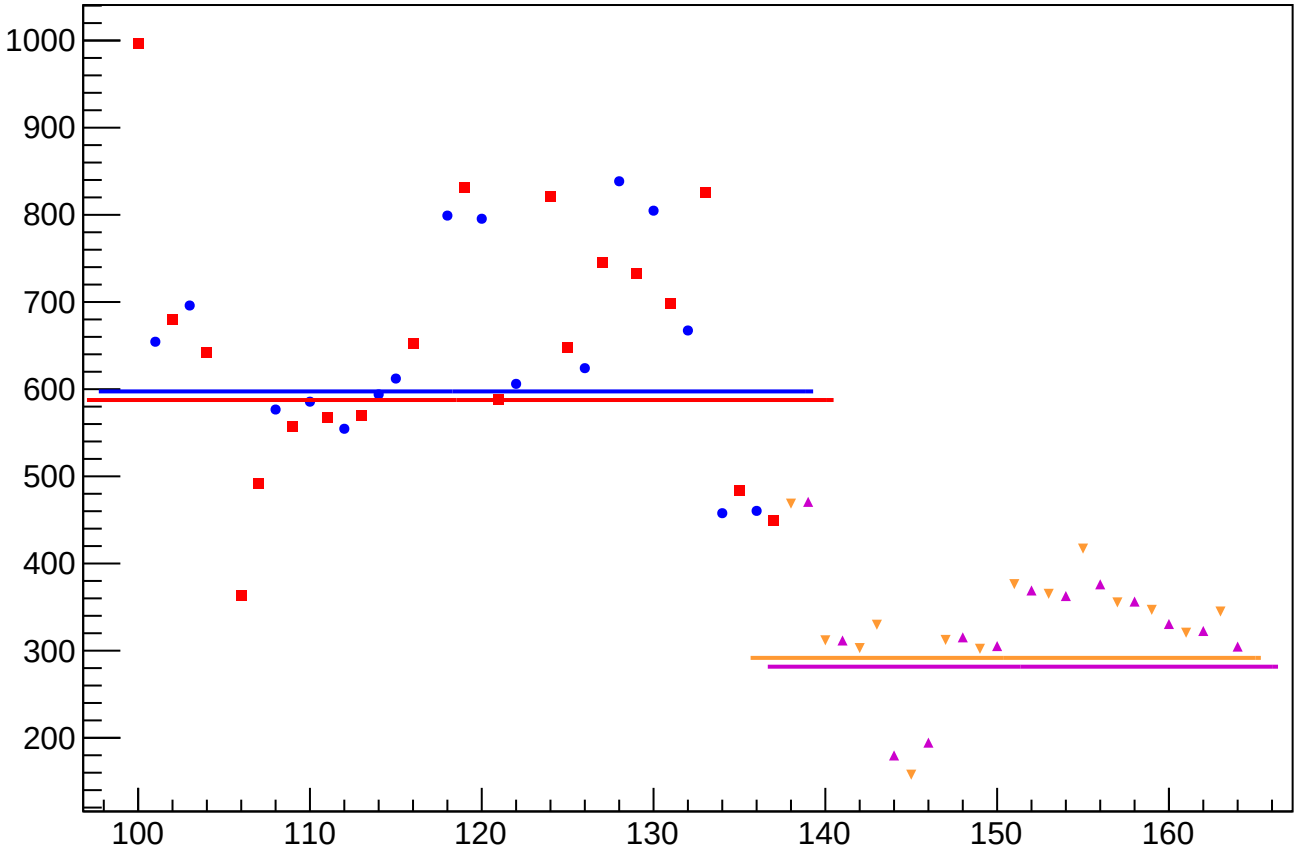
Left In: -83.940+/-89.287 χ^2/NDF:7.2/12

+ sign -439.333+/-84.758 χ^2/NDF: 57.8/29

All: -290.366+/-59.222 χ^2/NDF: 88.0/61

- 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: 291.730+/-0.065 χ^2/NDF:1872314.0/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

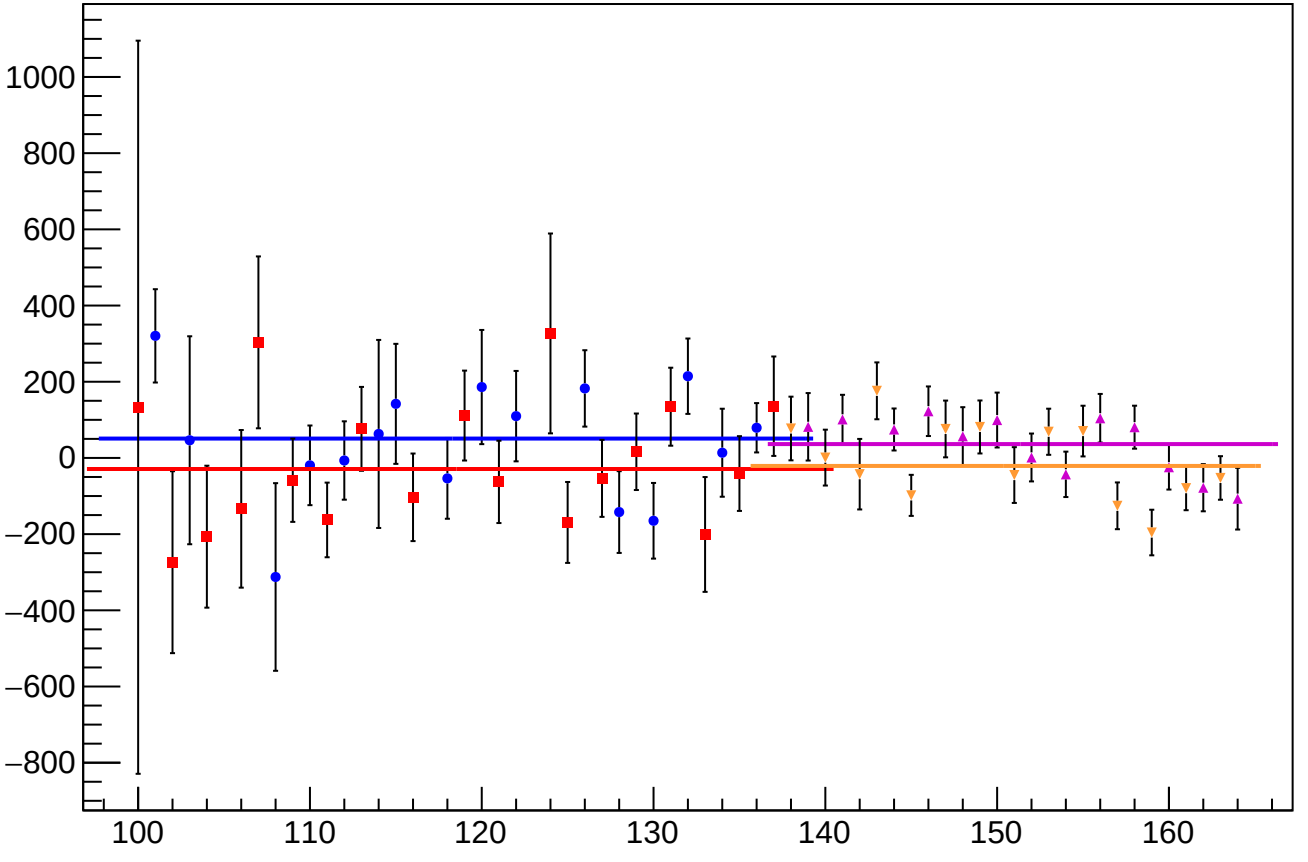
Left In: 281.626+/-0.063 χ^2/NDF:1605120.0/12

+ sign 334.056+/-0.060 χ^2/NDF: 5509645.6/29

All: 329.211+/-0.042 χ^2/NDF: 11113984.5/61

- 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: -21.003+/-17.698 χ^2/NDF:31.4/13

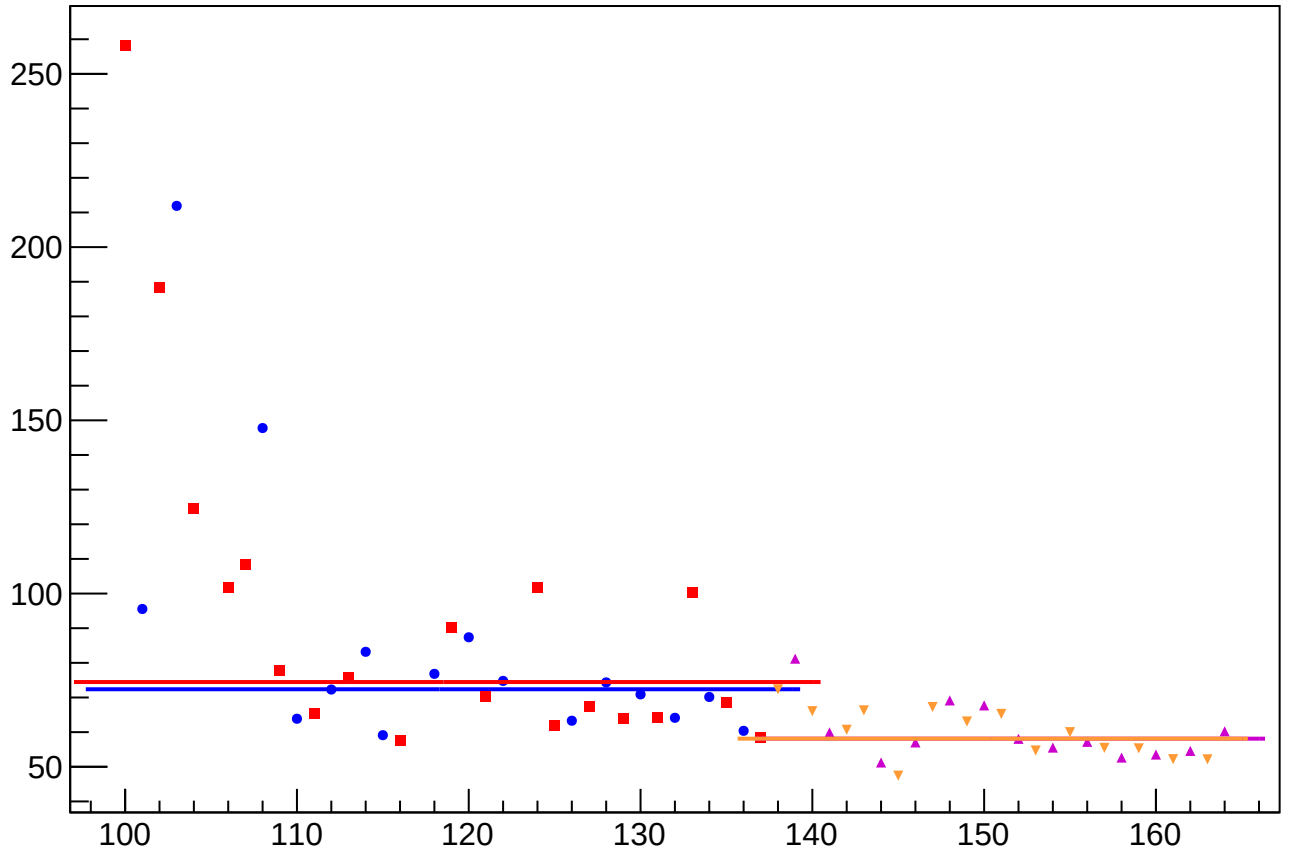
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: 36.361+/-17.975 χ^2/NDF:15.8/12

+ sign -0.822+/-15.008 χ^2/NDF: 58.9/29

All: 8.492+/-10.702 χ^2/NDF: 97.7/61

- sign 18.127+/-15.265 χ^2/NDF: 38.0/31



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.120+/-0.013 χ^2/NDF:303751.3/13

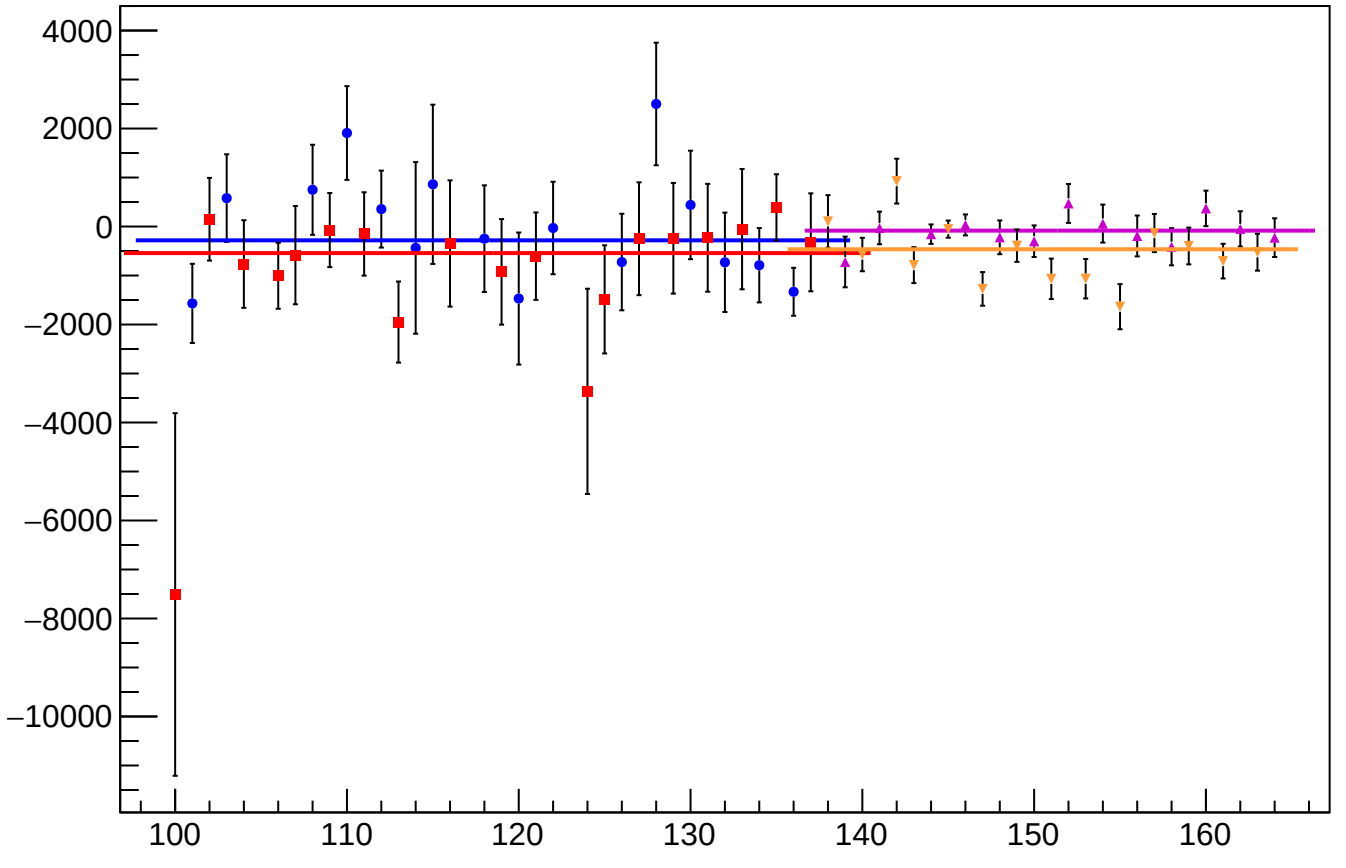
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.115+/-0.013 χ^2/NDF:289374.2/12

+ sign 62.125+/-0.011 χ^2/NDF: 1606552.5/29

All: 62.394+/-0.008 χ^2/NDF: 3410776.5/61

- 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: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

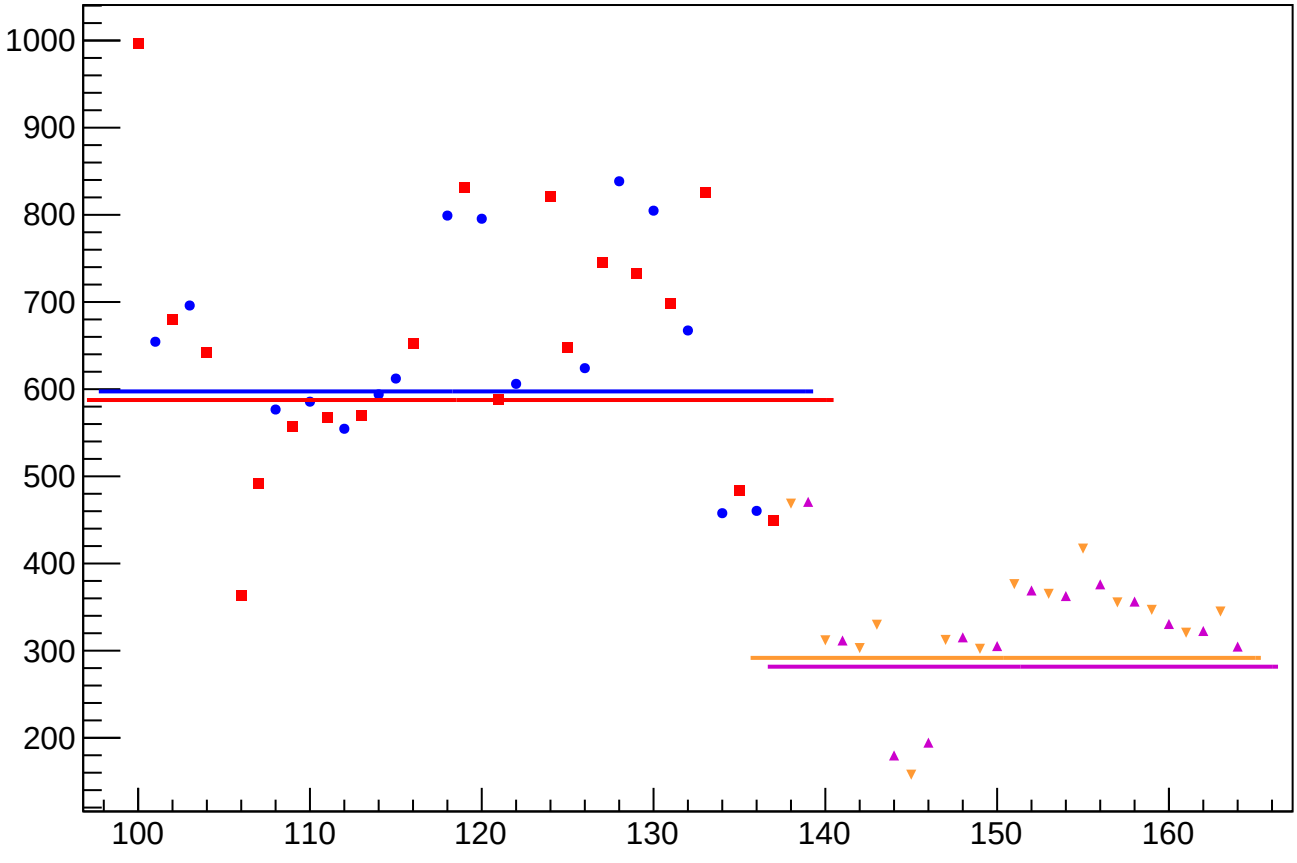
Left In: -83.939+/-89.287 χ^2/NDF:7.2/12

+ sign -439.333+/-84.758 χ^2/NDF: 57.8/29

All: -290.366+/-59.222 χ^2/NDF: 88.0/61

- 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: 291.730+/-0.065 χ^2/NDF:1872303.1/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

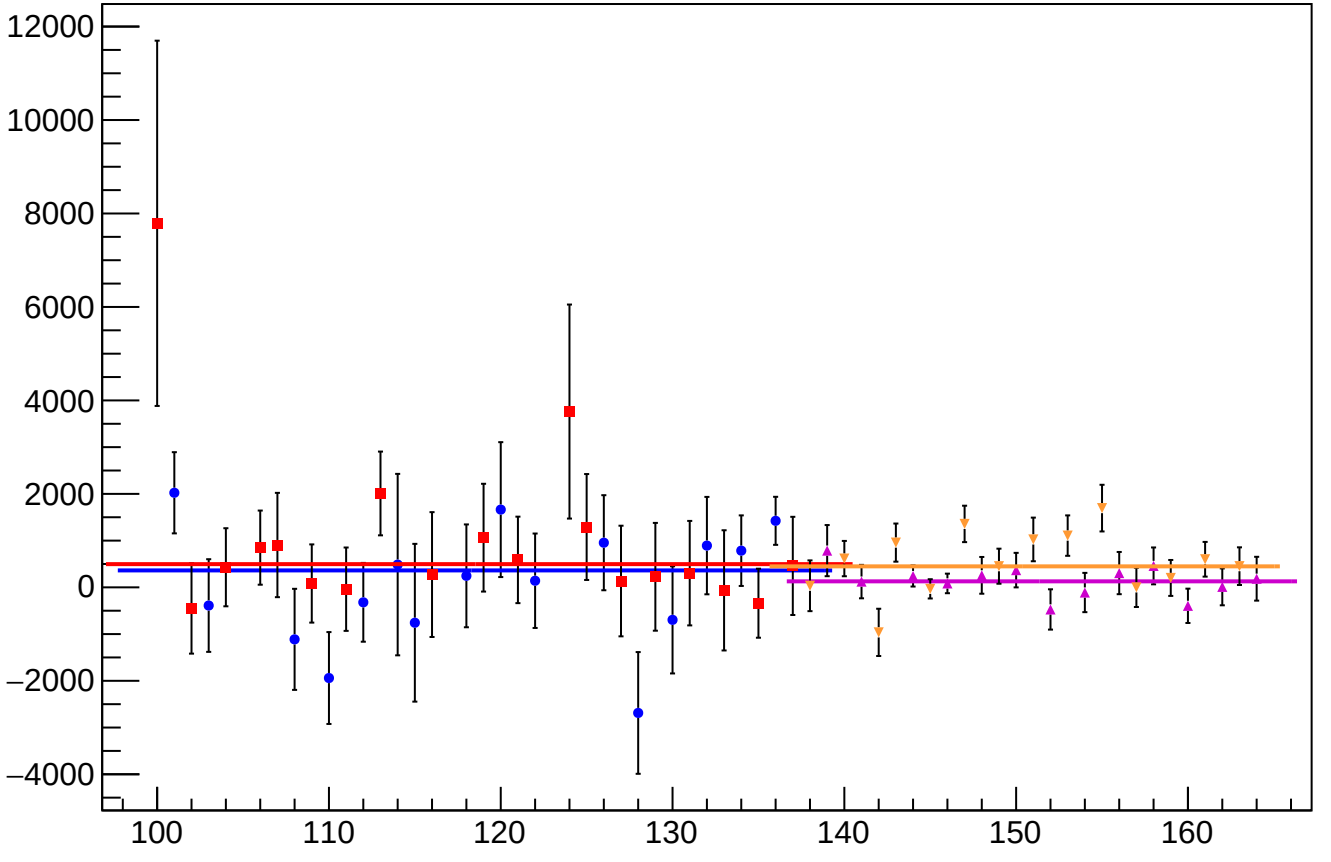
Left In: 281.626+/-0.063 χ^2/NDF:1605113.4/12

+ sign 334.055+/-0.060 χ^2/NDF: 5509641.8/29

All: 329.210+/-0.042 χ^2/NDF: 11113976.0/61

- 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: 449.213+/-101.352 χ^2/NDF:32.8/13

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

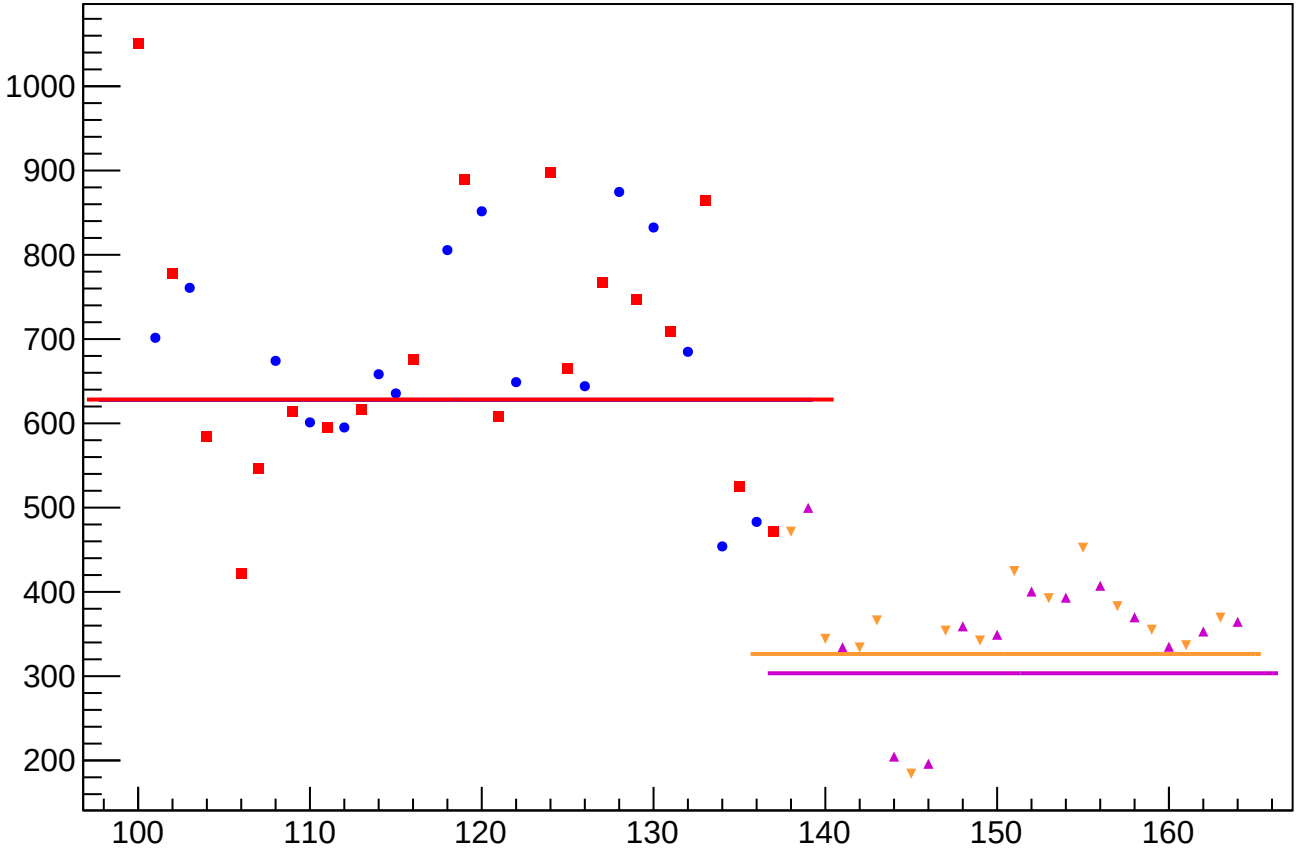
Left In: 128.421+/-96.178 χ^2/NDF:7.5/12

+ sign 436.100+/-93.385 χ^2/NDF: 58.0/29

All: 302.439+/-64.453 χ^2/NDF: 84.2/61

- 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: 326.373+/-0.072 χ^2/NDF:1466231.8/13

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

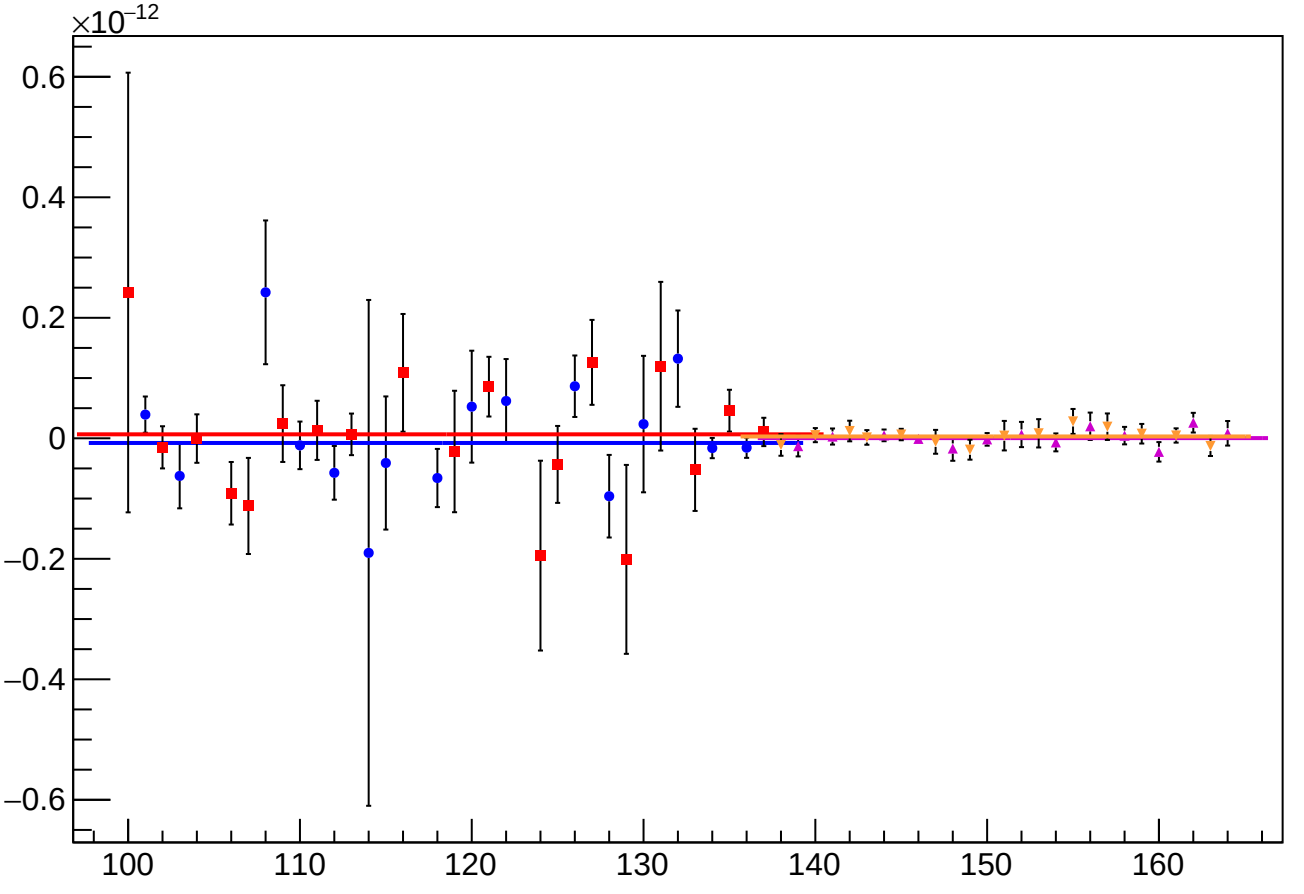
Left In: 303.464+/-0.068 χ^2/NDF:1686960.3/12

+ sign 371.910+/-0.066 χ^2/NDF: 4706334.4/29

All: 360.286+/-0.046 χ^2/NDF: 10271175.1/61

- 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:6.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

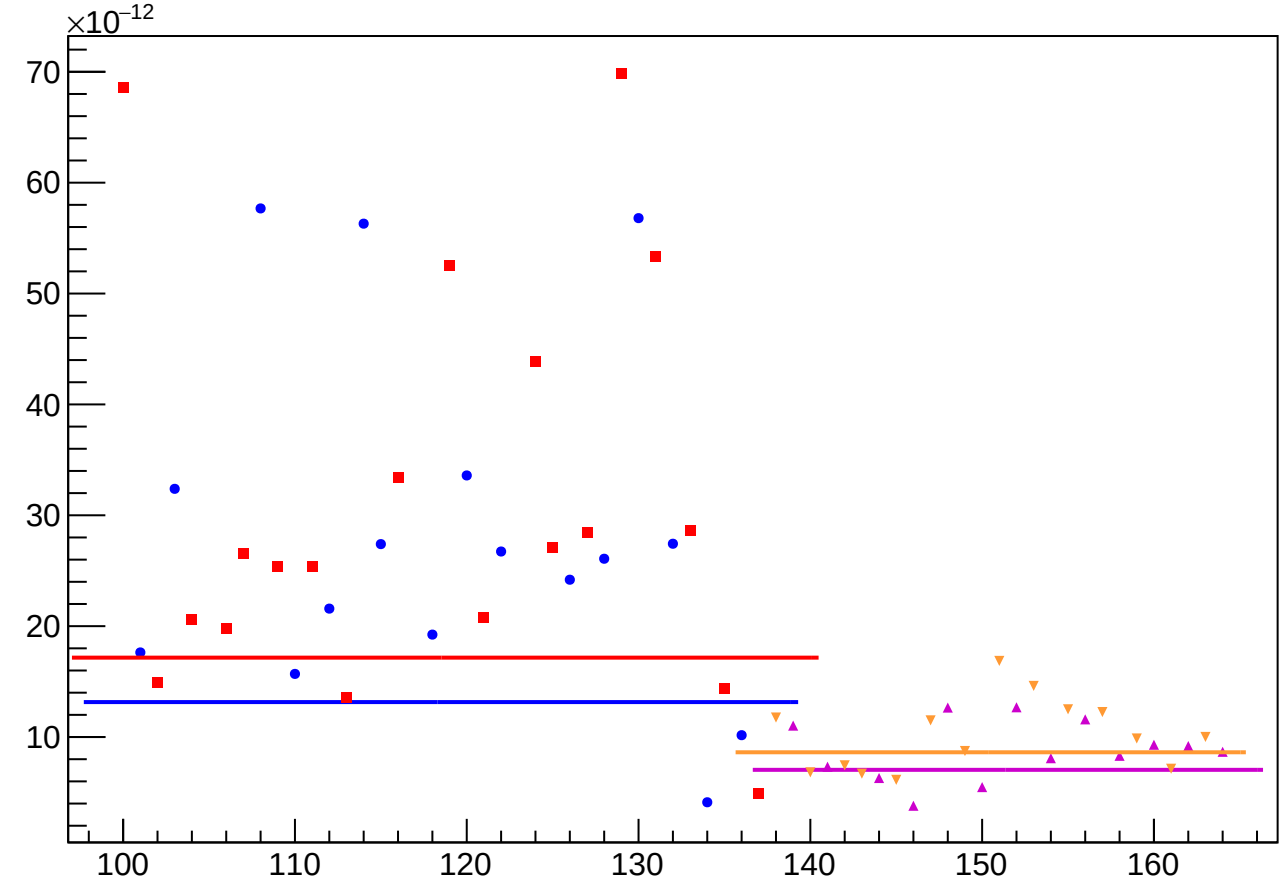
Left In: 0.000+/-0.000 χ^2/NDF:7.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/29

All: 0.000+/-0.000 χ^2/NDF: 55.8/61

- 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:885084.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

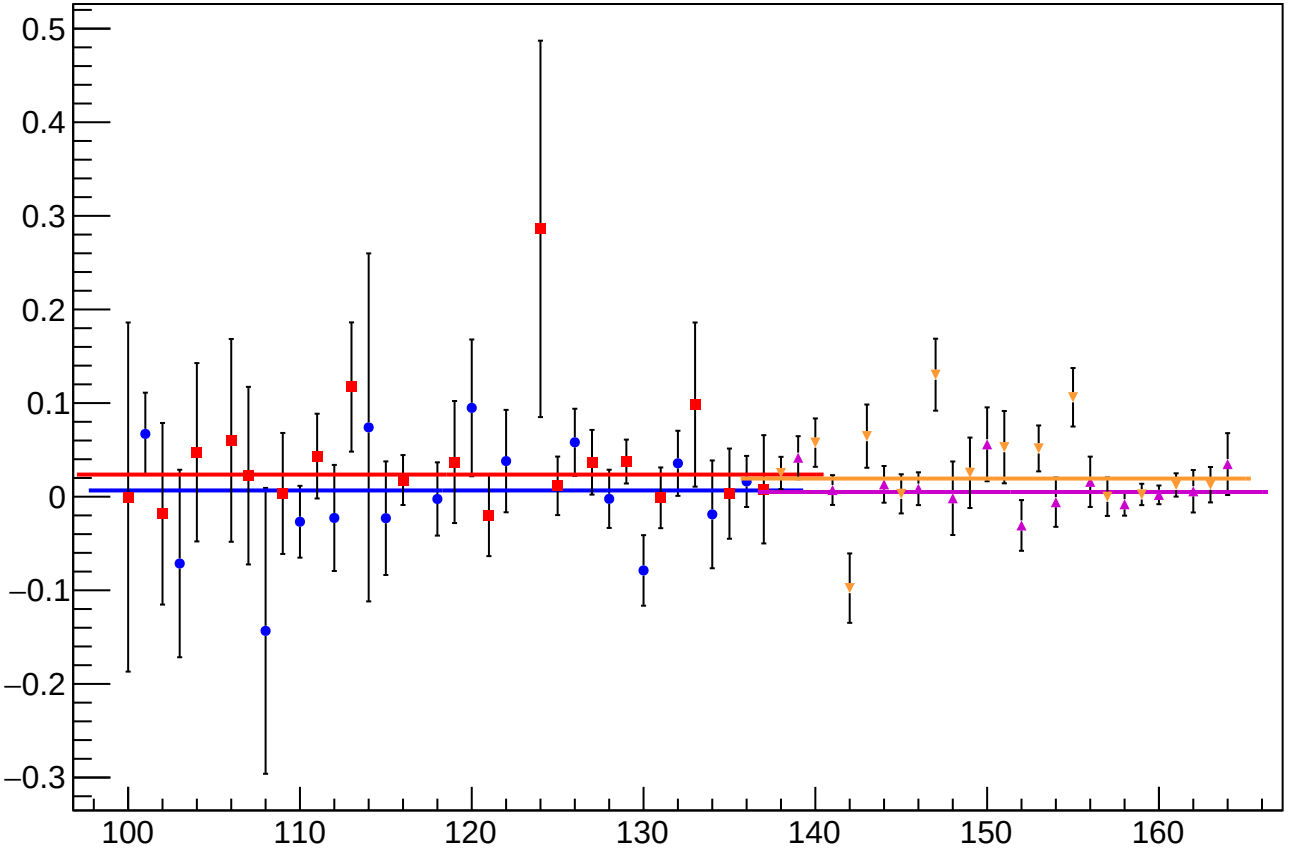
Left In: 0.000+/-0.000 χ^2/NDF:1042577.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 3360721.0/29

All: 0.000+/-0.000 χ^2/NDF: 7585598.0/61

- 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+/-0.006 χ^2/NDF:36.8/13

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

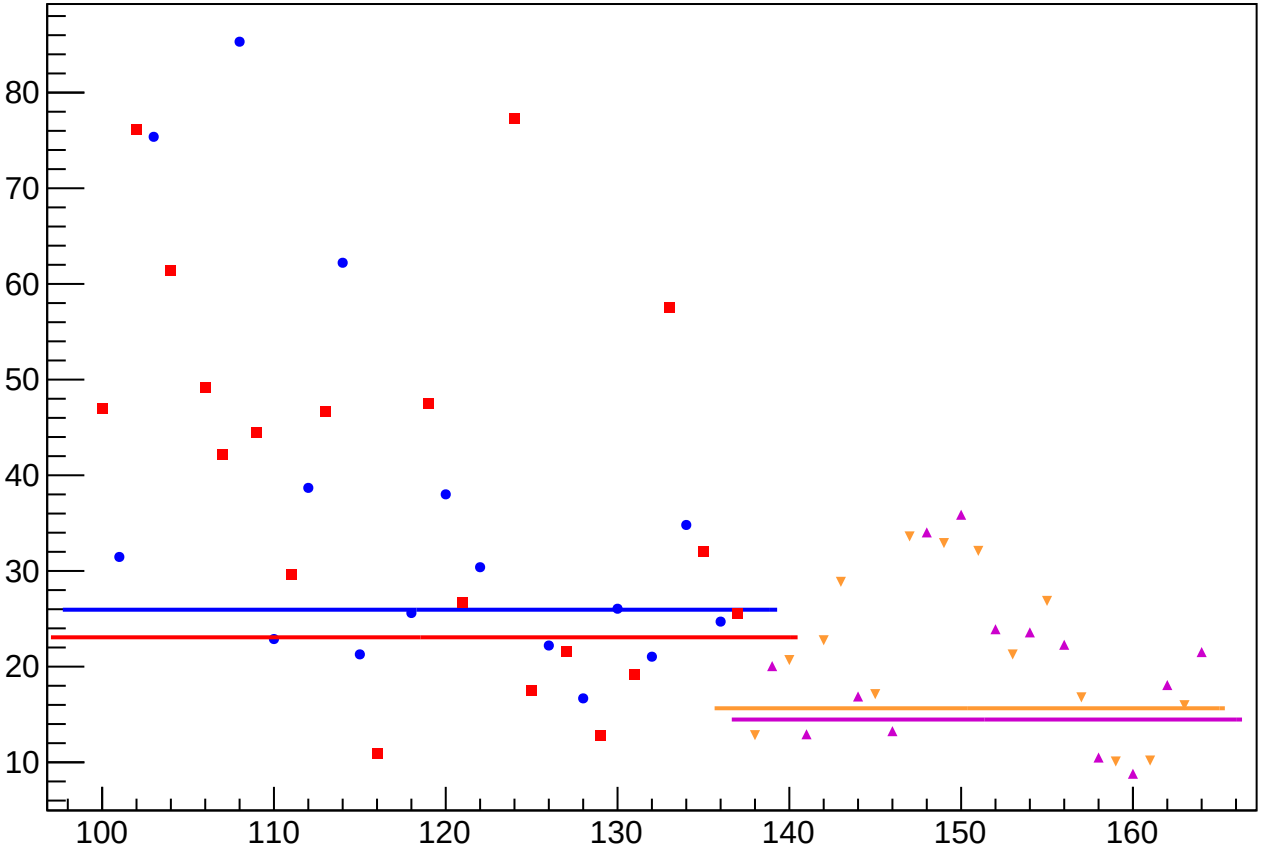
Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.013+/-0.003 χ^2/NDF: 72.9/61

- 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: 15.648+/-0.004 χ^2/NDF:2969732.6/13

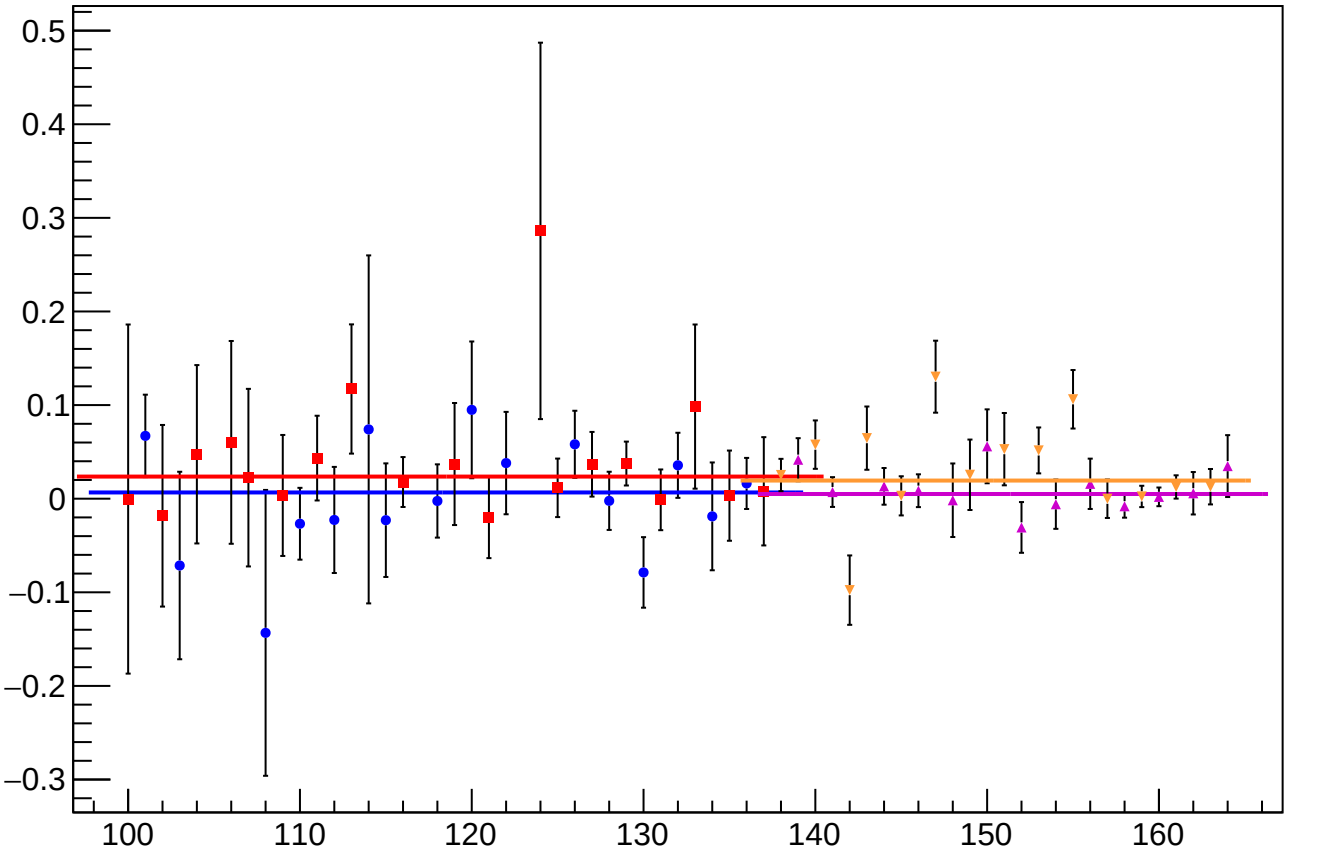
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

\+ sign 17.692+/-0.003 χ^2/NDF: 5732246.9/29

All: 16.888+/-0.002 χ^2/NDF: 13176949.0/61

\- sign 16.170+/-0.003 χ^2/NDF: 7344593.7/31



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

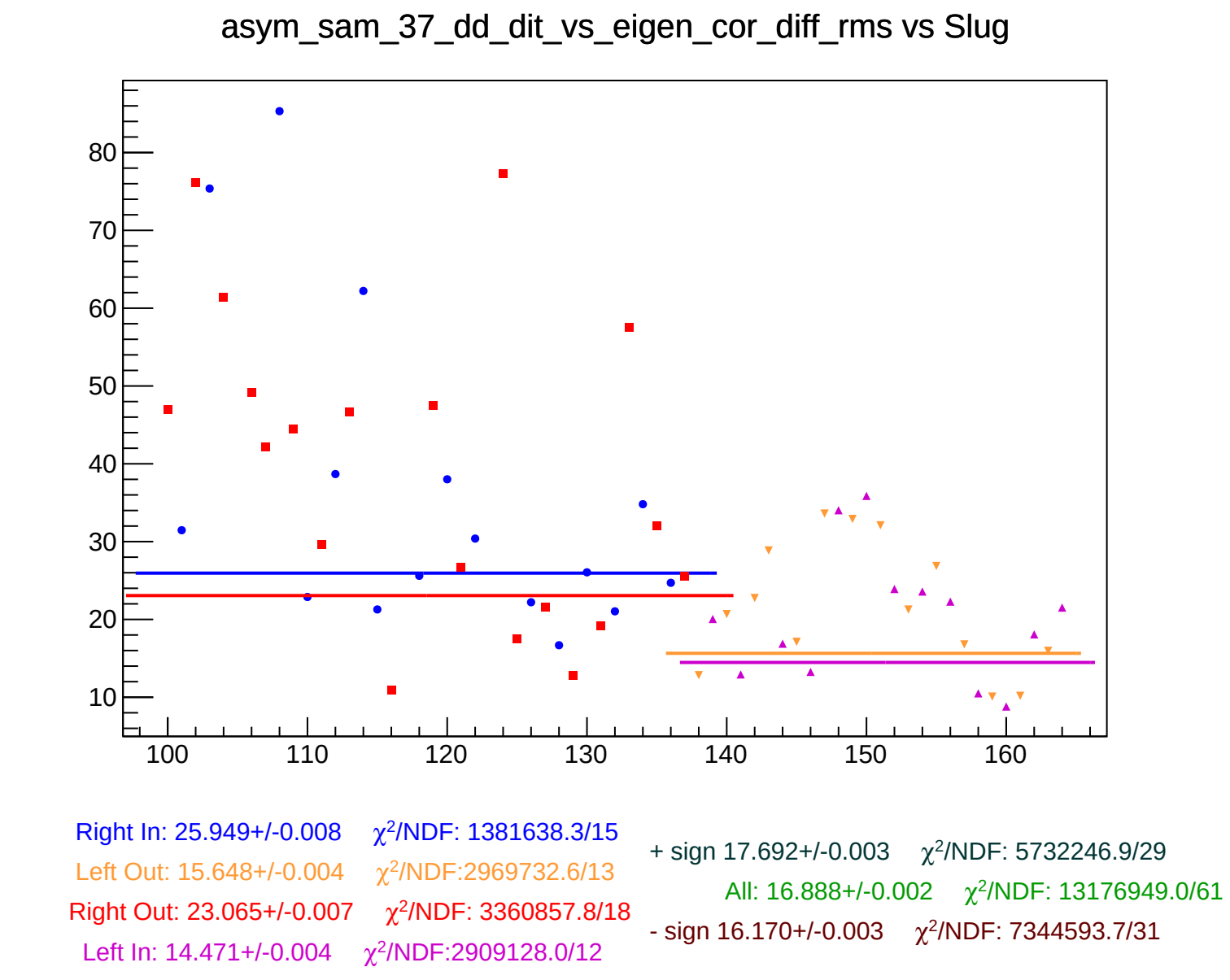
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.013+/-0.003 χ^2/NDF: 72.9/61

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
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30
20
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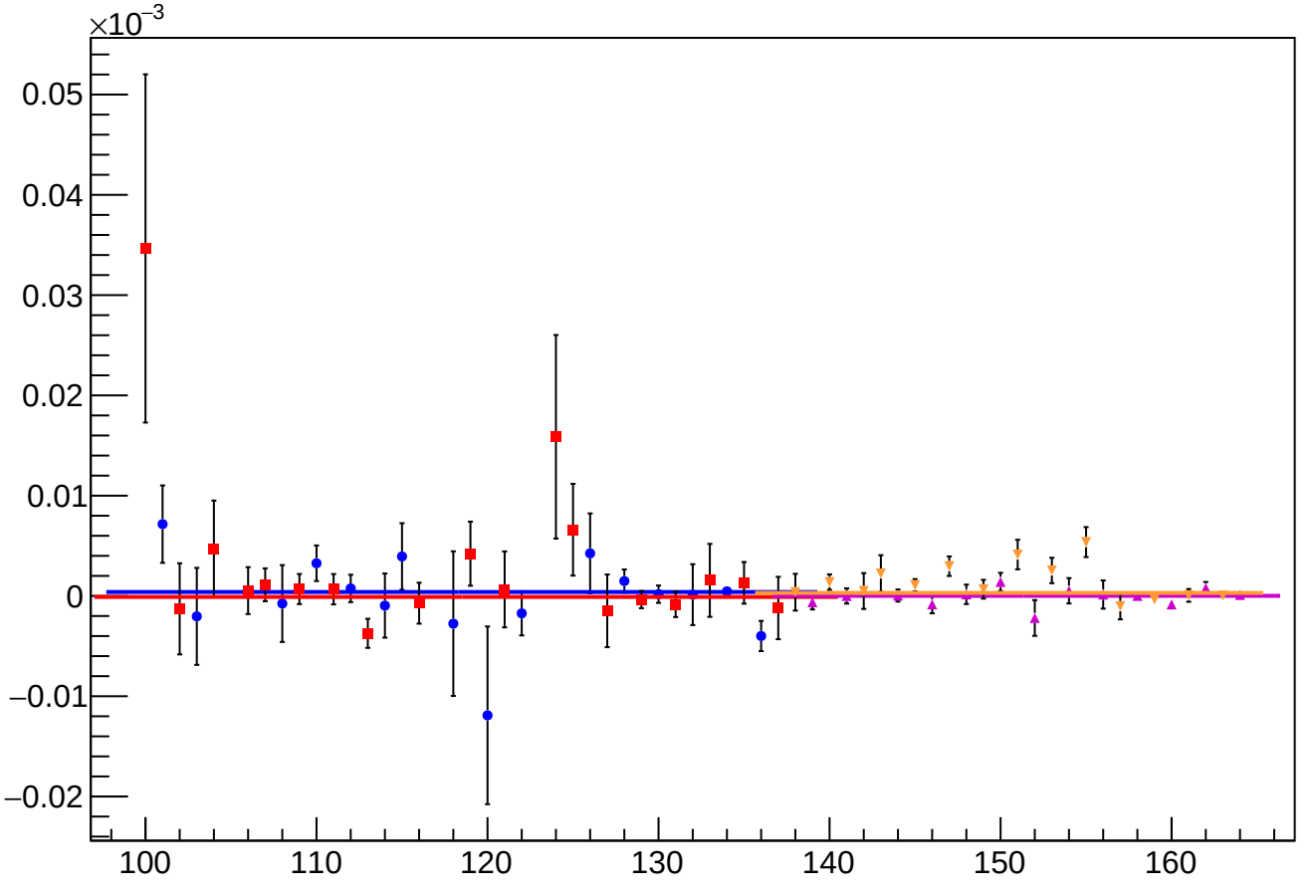
100
110
120
130
140
150
160
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 15.648+/-0.004 χ²/NDF:2969732.6/13
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.471+/-0.004 χ²/NDF:2909128.0/12
+ sign 17.692+/-0.003 χ²/NDF: 5732246.9/29
All: 16.888+/-0.002 χ²/NDF: 13176949.0/61
- sign 16.170+/-0.003 χ²/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:39.5/13

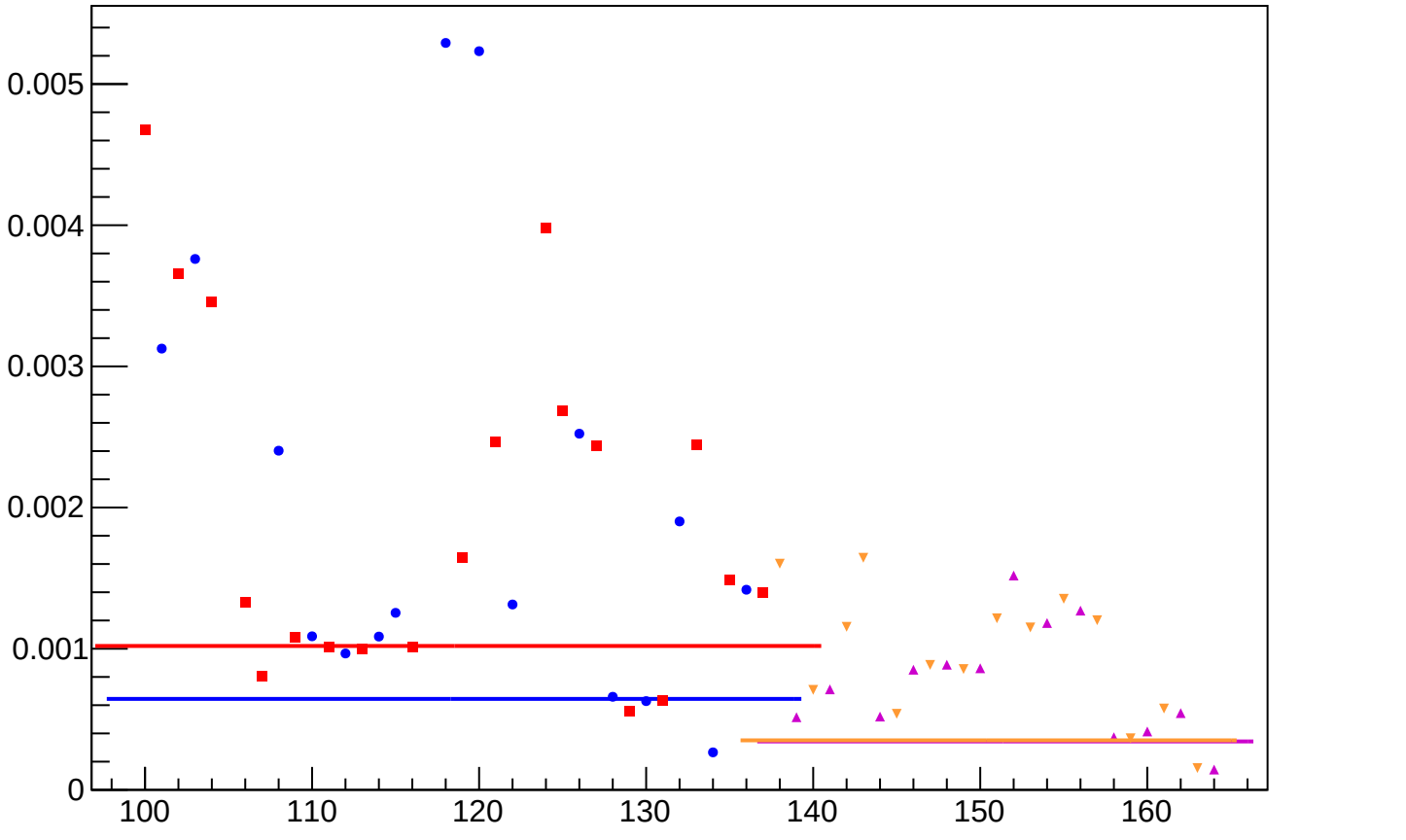
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 60.4/29

All: 0.000+/-0.000 χ^2/NDF: 94.8/61

- sign 0.000+/-0.000 χ^2/NDF: 31.5/31



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9866001.2/13

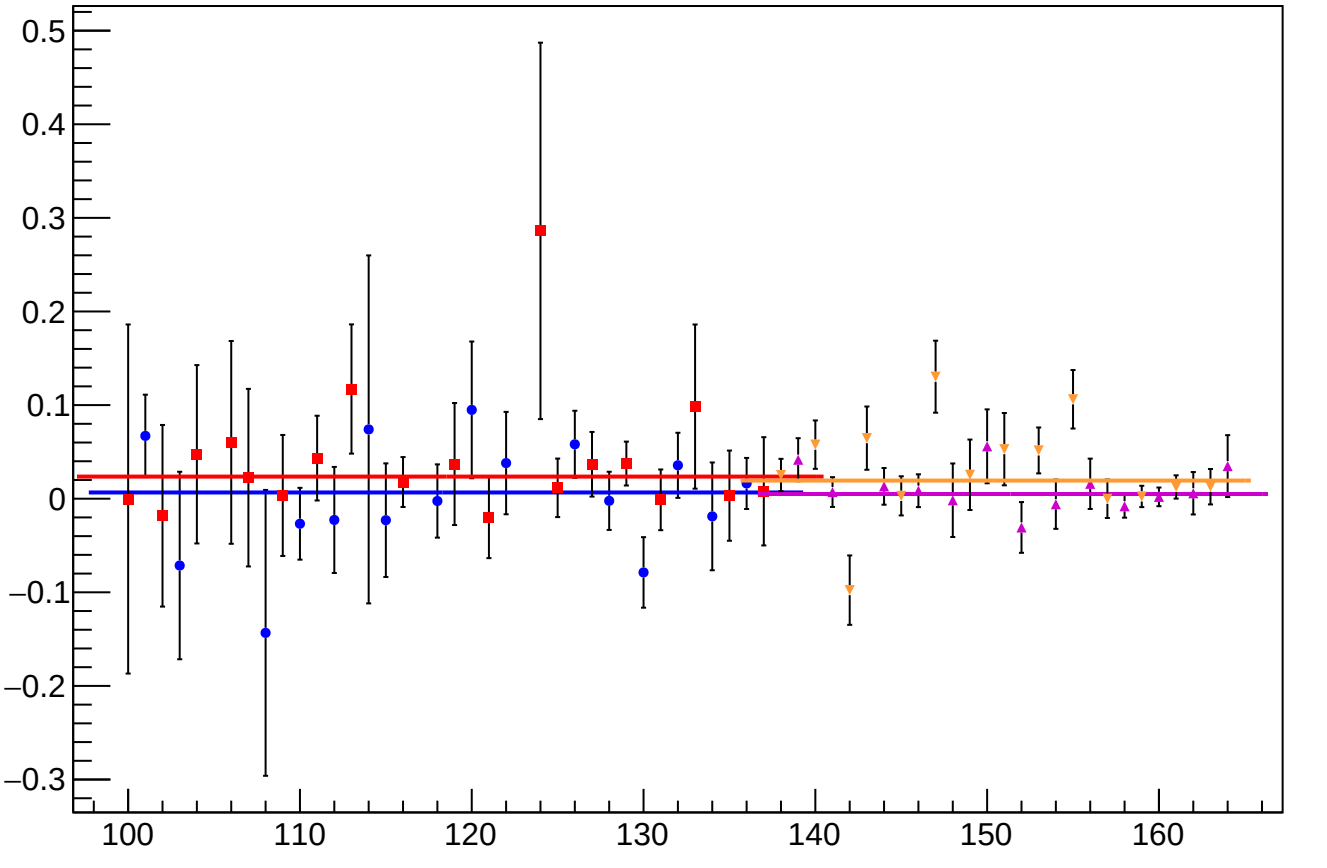
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7853194.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 17703788.6/29

All: 0.000+/-0.000 χ^2/NDF: 33355115.7/61

- sign 0.000+/-0.000 χ^2/NDF: 15650315.2/31



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

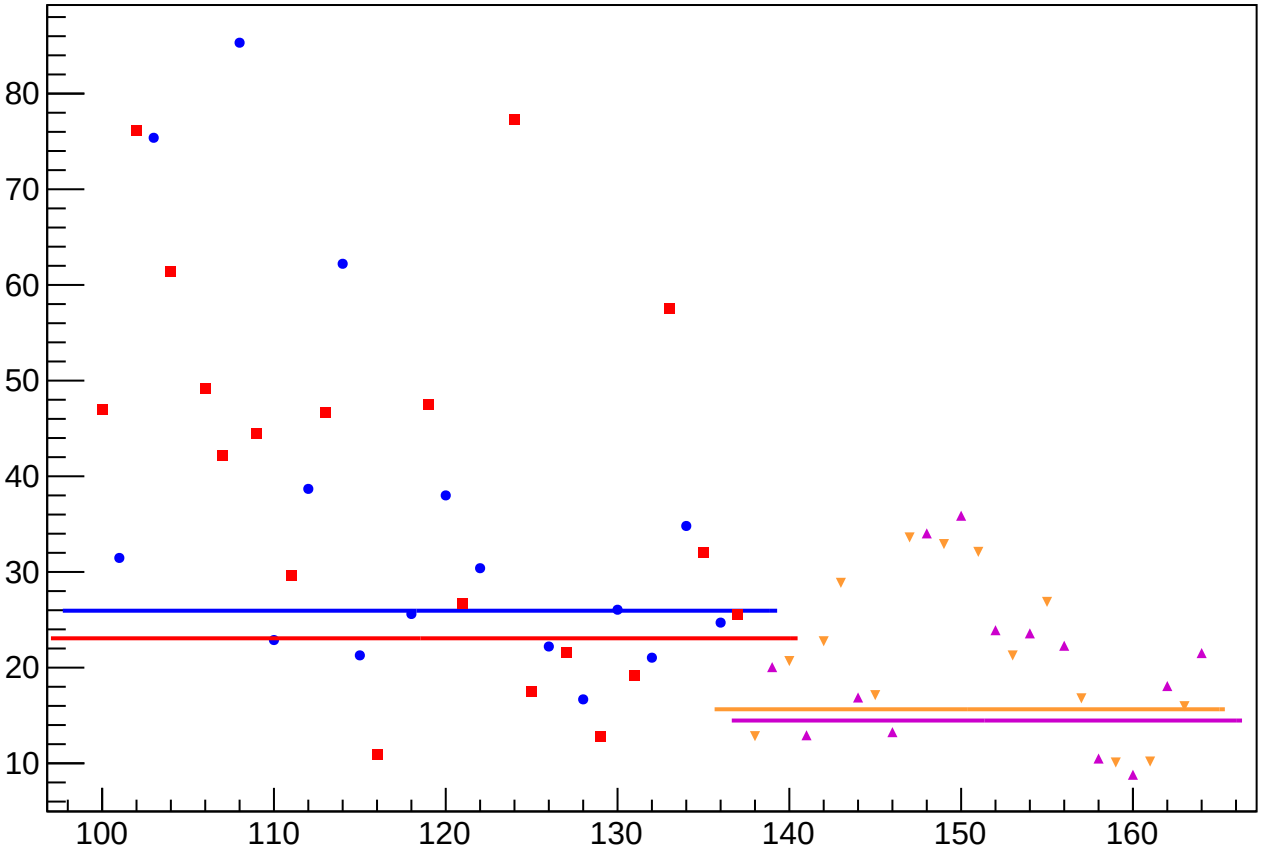
Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.013+/-0.003 χ^2/NDF: 72.9/61

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969942.3/13

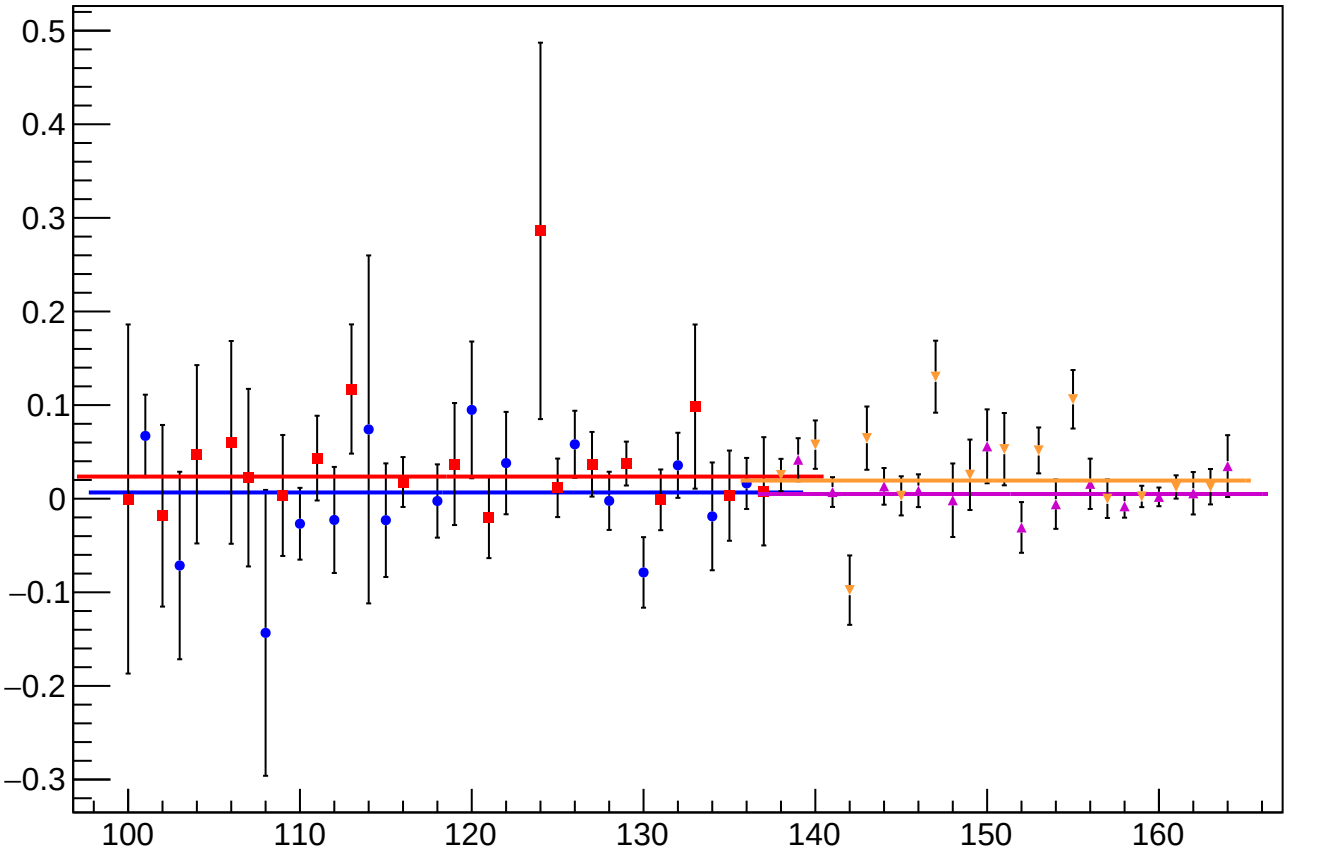
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

+ sign 17.692+/-0.003 χ^2/NDF: 5732428.7/29

All: 16.888+/-0.002 χ^2/NDF: 13177219.7/61

- 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+/-0.006 χ^2/NDF:36.8/13

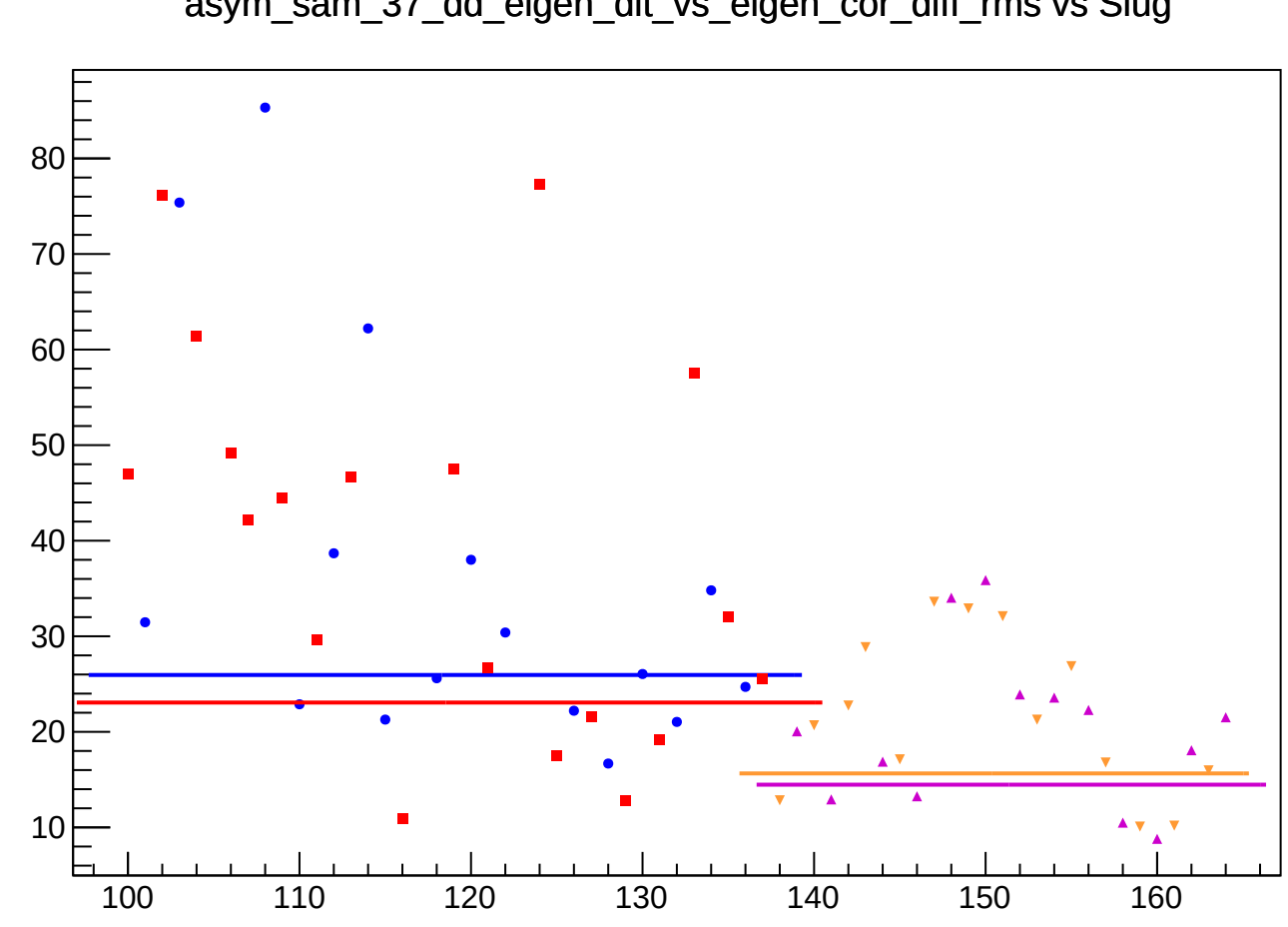
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.013+/-0.003 χ^2/NDF: 72.9/61

- 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: 15.648+/-0.004 χ^2/NDF:2969942.3/13

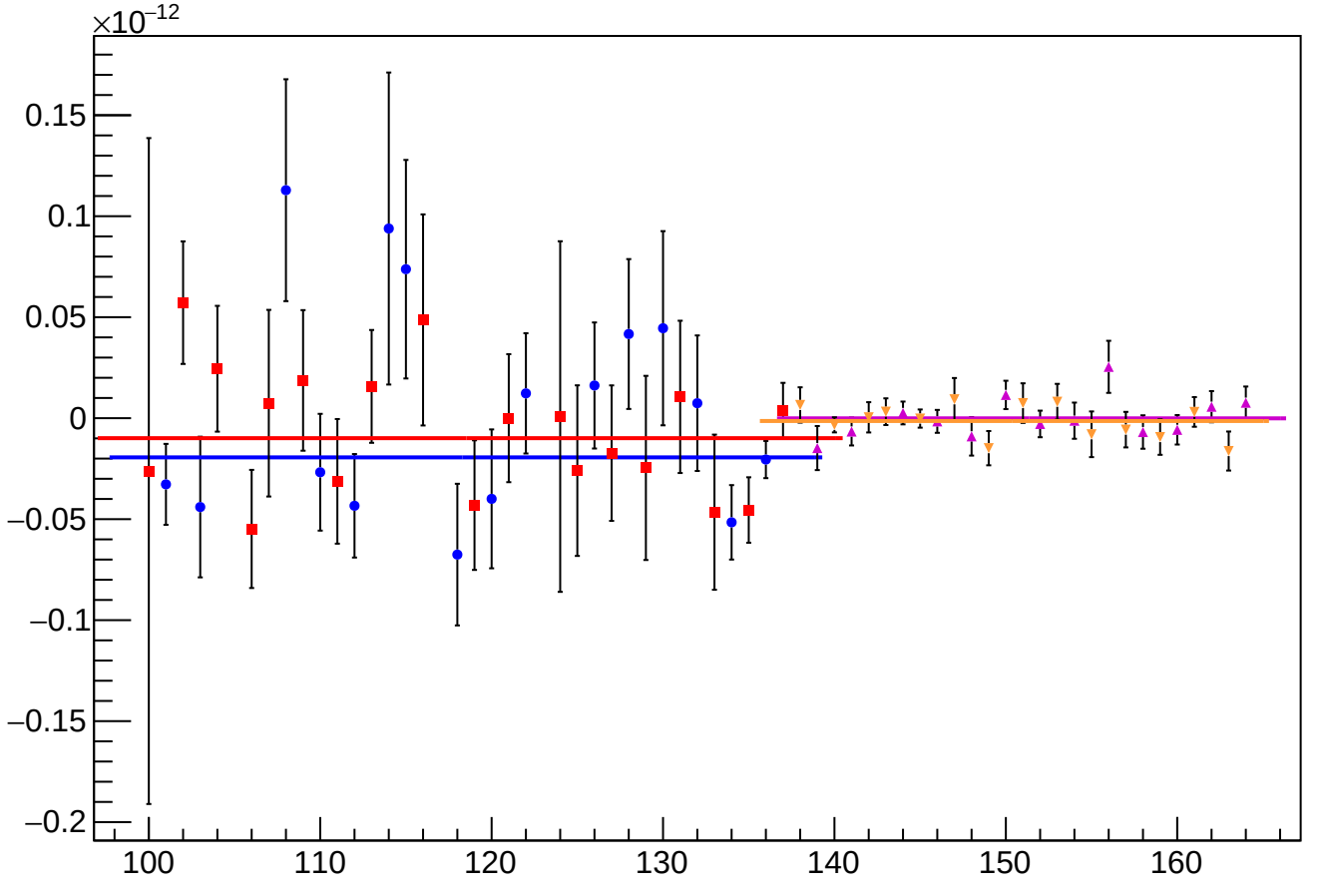
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

+ sign 17.692+/-0.003 χ^2/NDF: 5732428.7/29

All: 16.888+/-0.002 χ^2/NDF: 13177219.7/61

- 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:11.4/13

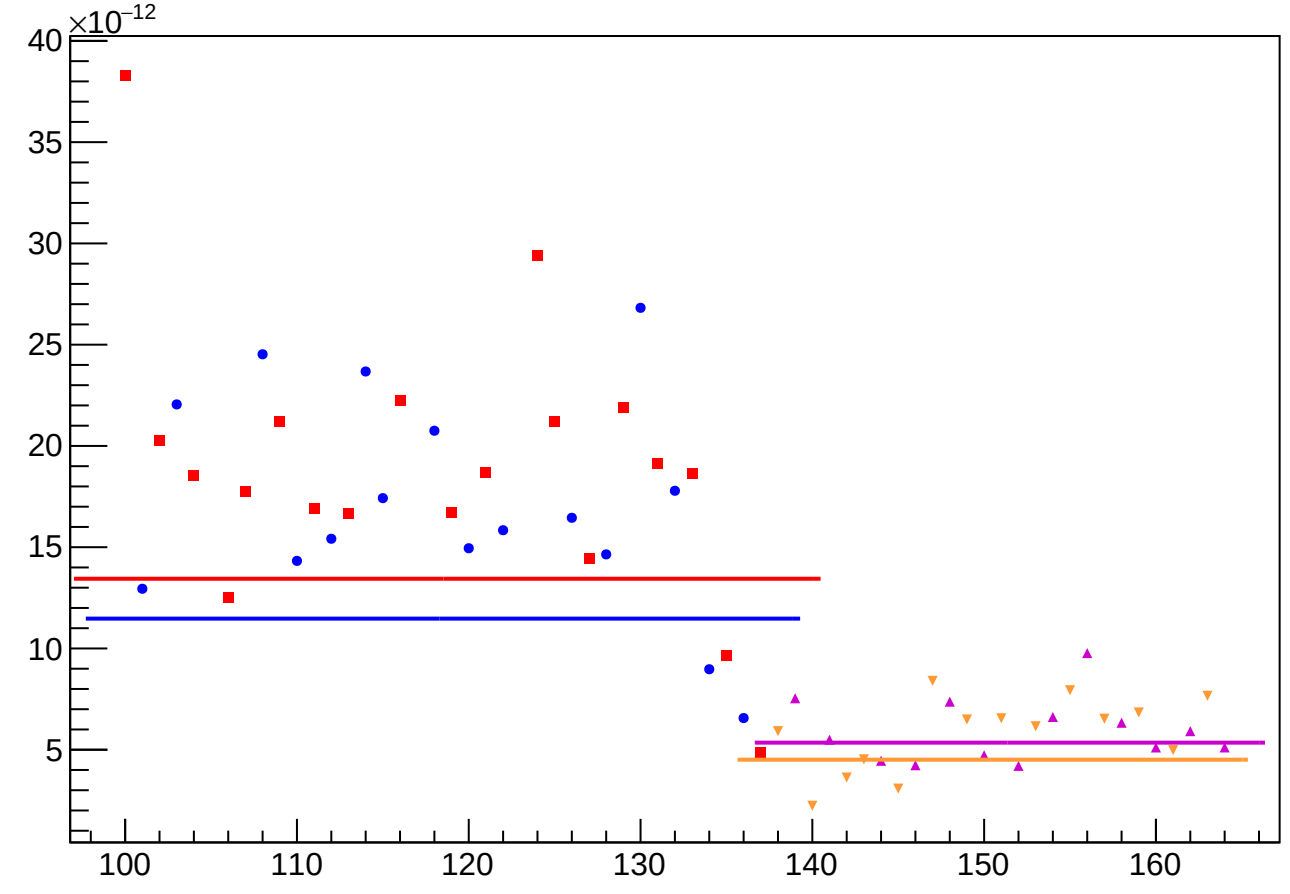
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/29

All: -0.000+/-0.000 χ^2/NDF: 81.5/61

- sign -0.000+/-0.000 χ^2/NDF: 35.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214938.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

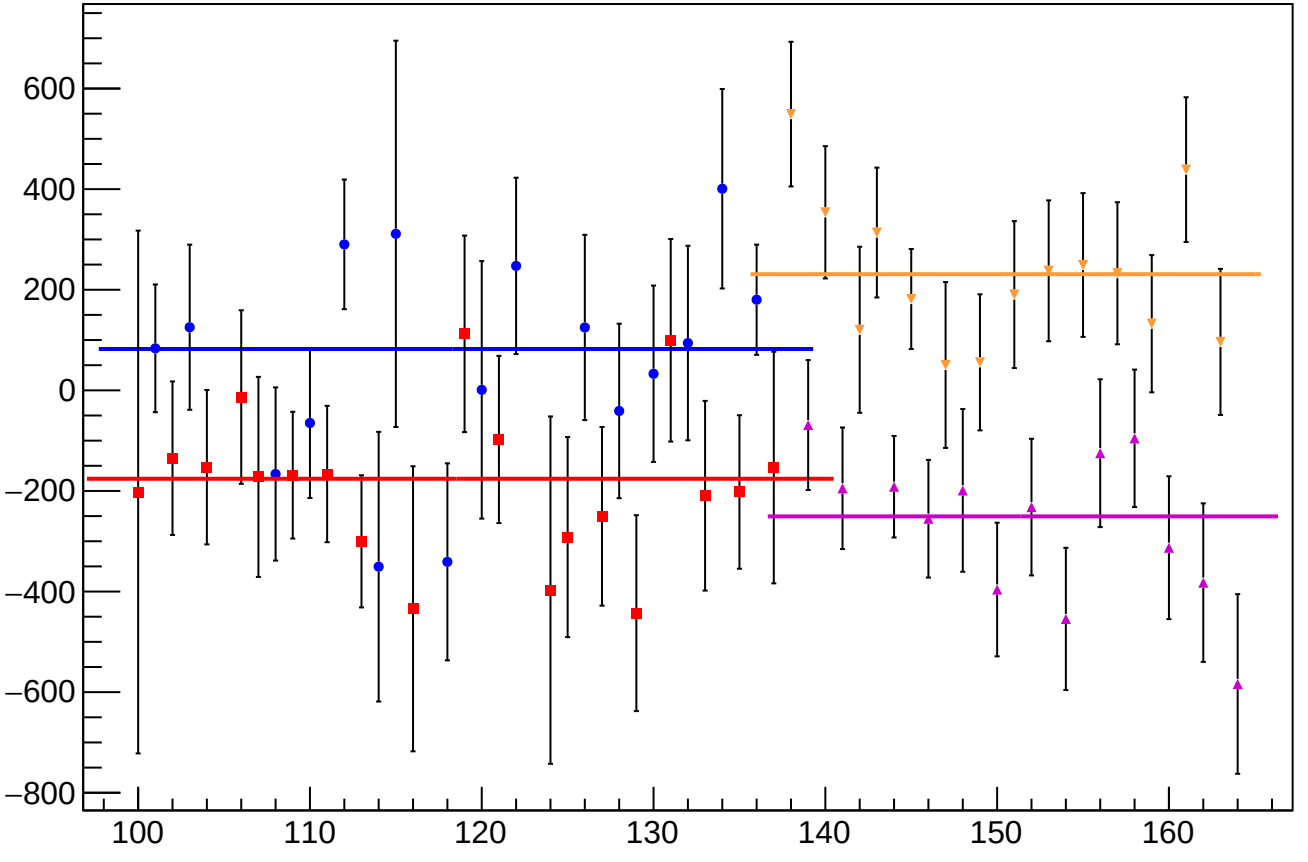
Left In: 0.000+/-0.000 χ^2/NDF:694265.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 6245217.2/29

All: 0.000+/-0.000 χ^2/NDF: 11456243.6/61

- sign 0.000+/-0.000 χ^2/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: 230.939+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

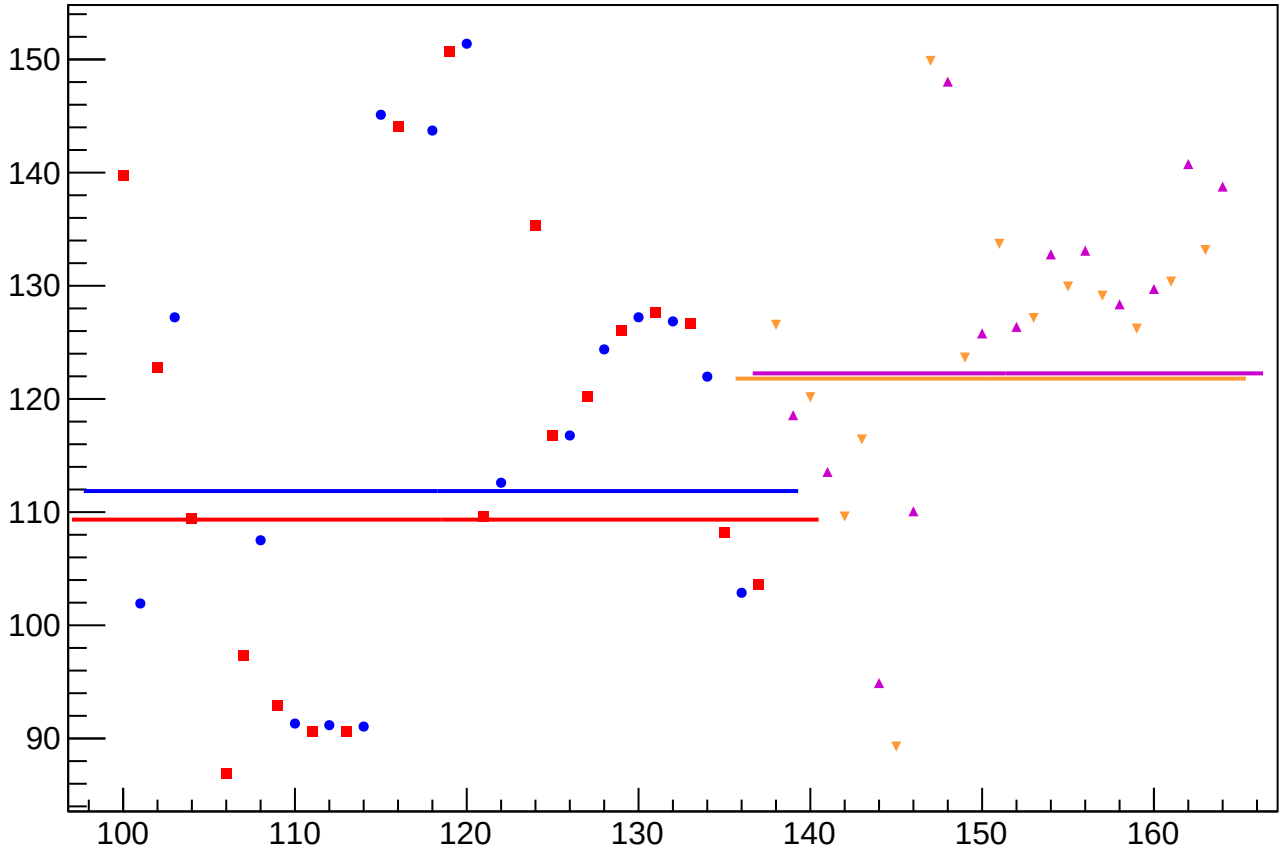
Left In: -250.584+/-37.271 χ^2/NDF:12.3/12

+ sign 166.745+/-27.679 χ^2/NDF: 38.8/29

All: -26.228+/-19.501 χ^2/NDF: 159.3/61

- 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: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

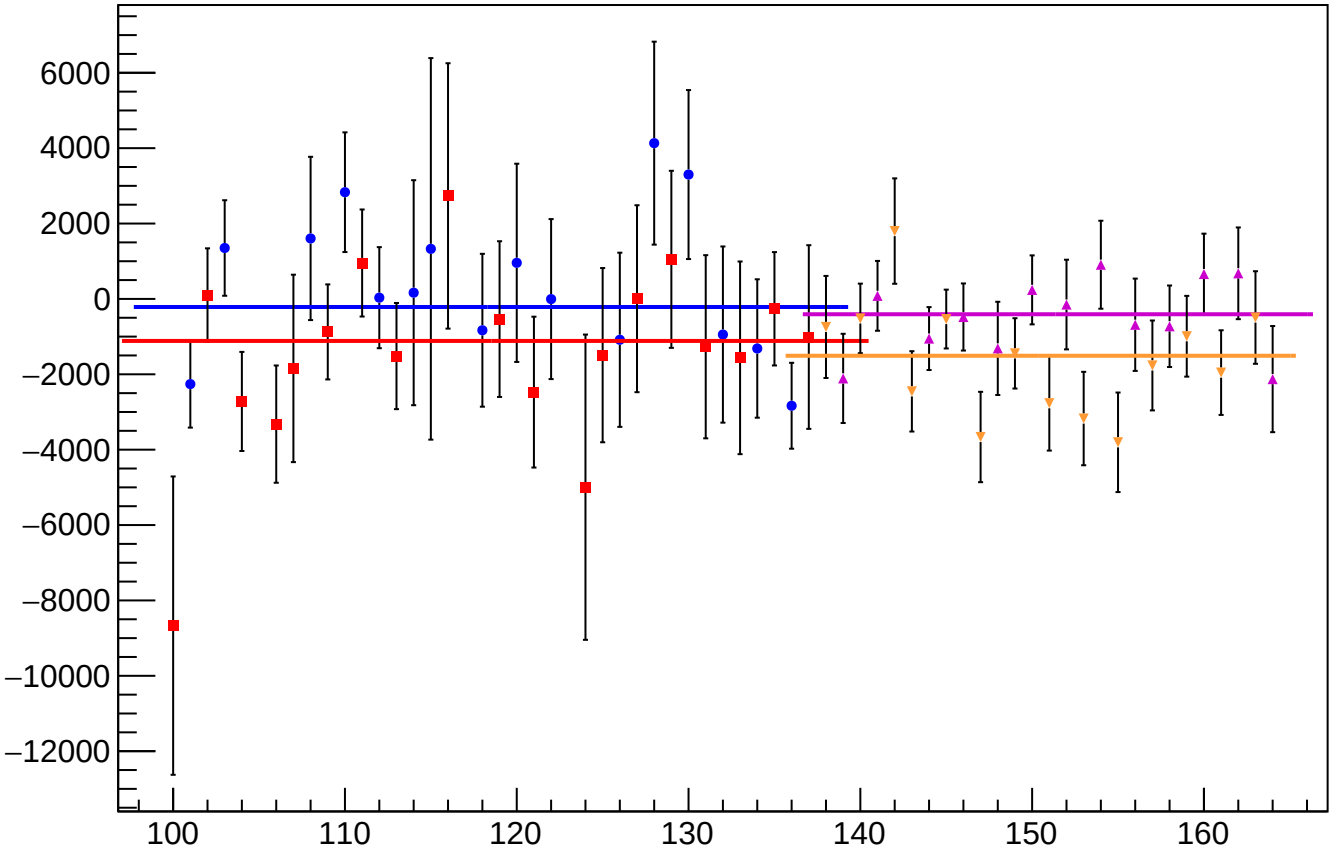
Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.510+/-0.020 χ^2/NDF: 707723.8/29

All: 116.933+/-0.014 χ^2/NDF: 1497278.2/61

- 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: -1508.016+/-295.070 χ^2/NDF:19.6/13

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

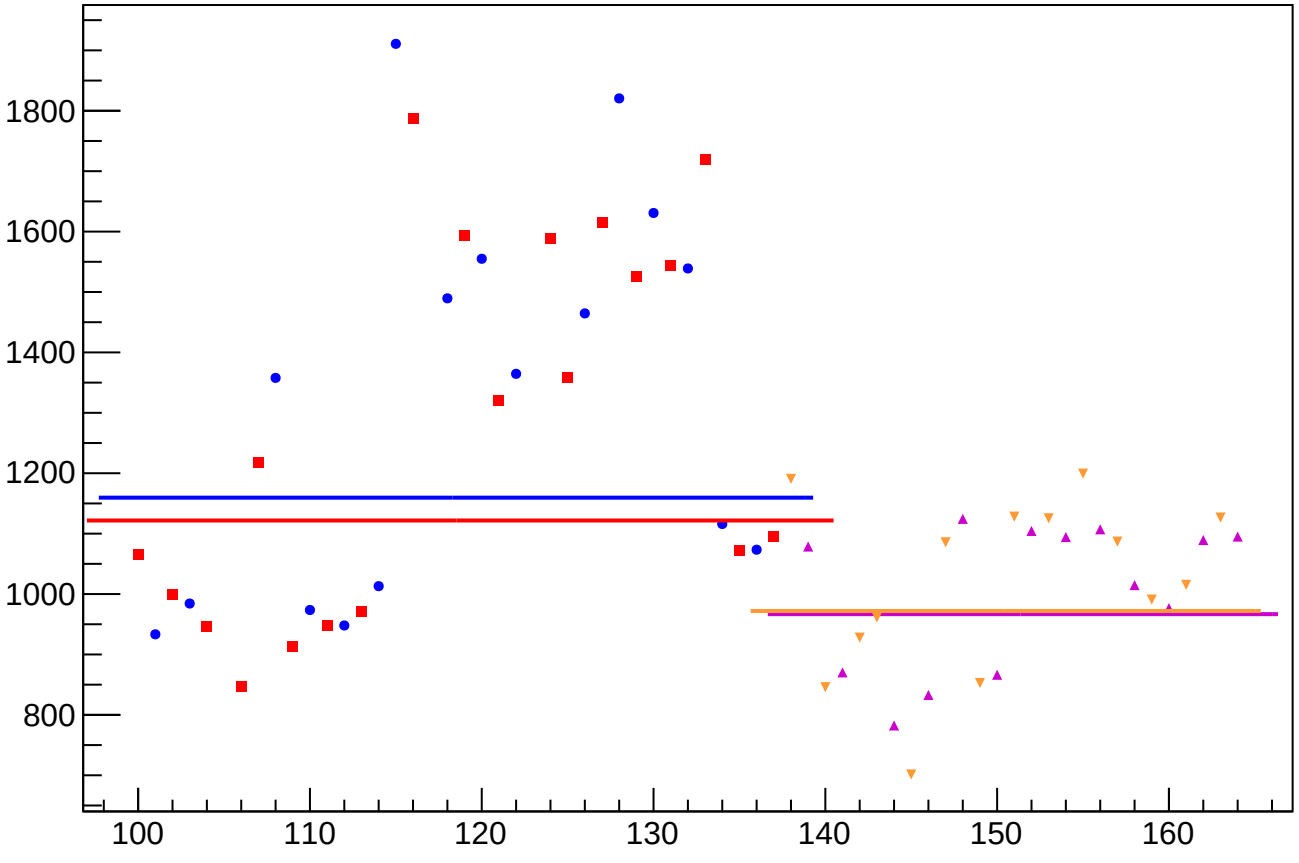
Left In: -406.699+/-295.662 χ^2/NDF:8.7/12

+ sign -1111.601+/-245.744 χ^2/NDF: 45.9/29

All: -872.026+/-172.551 χ^2/NDF: 72.9/61

- 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: 971.993+/-0.209 χ^2/NDF:557547.3/13

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

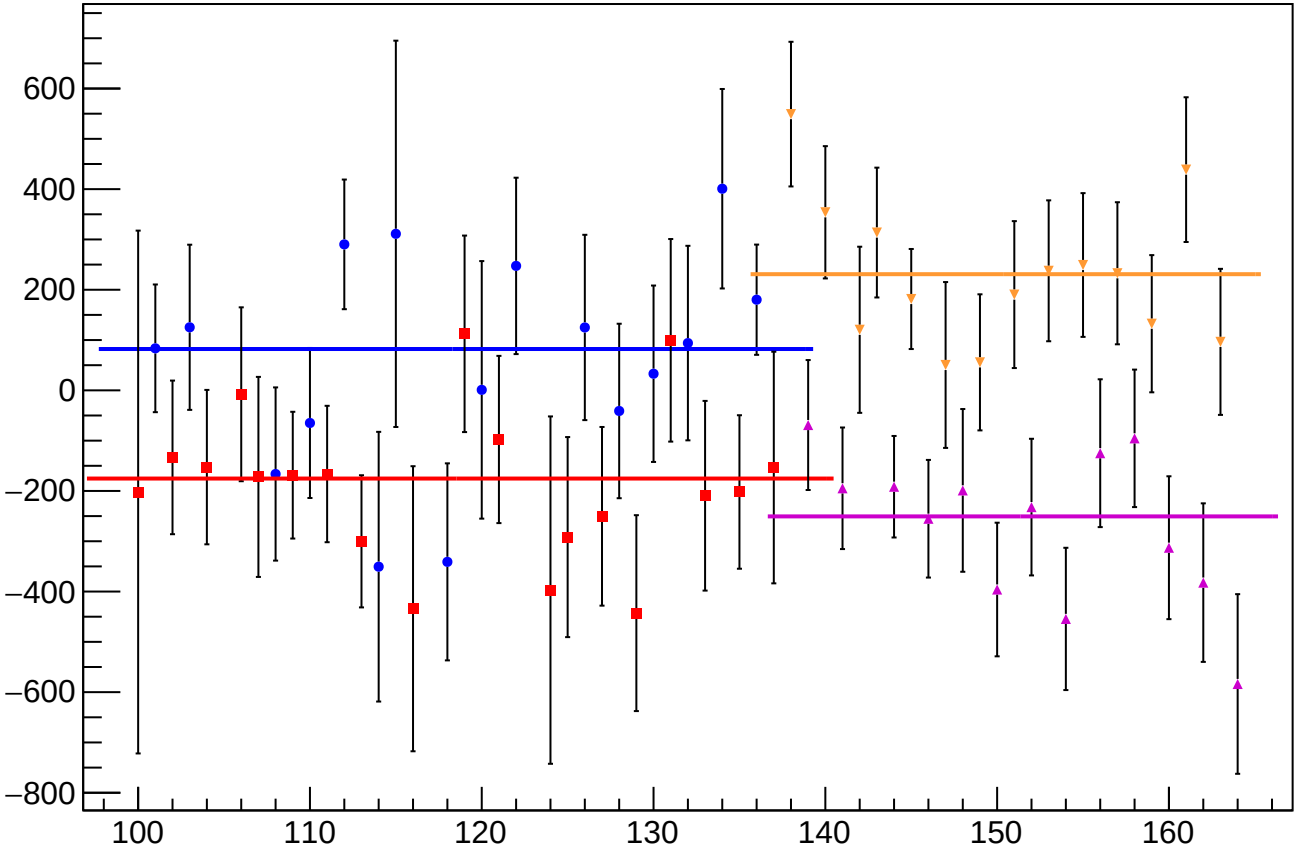
Left In: 966.728+/-0.209 χ^2/NDF:357024.8/12

+ sign 1029.464+/-0.174 χ^2/NDF: 1488867.5/29

All: 1023.450+/-0.122 χ^2/NDF: 2810965.8/61

- 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: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

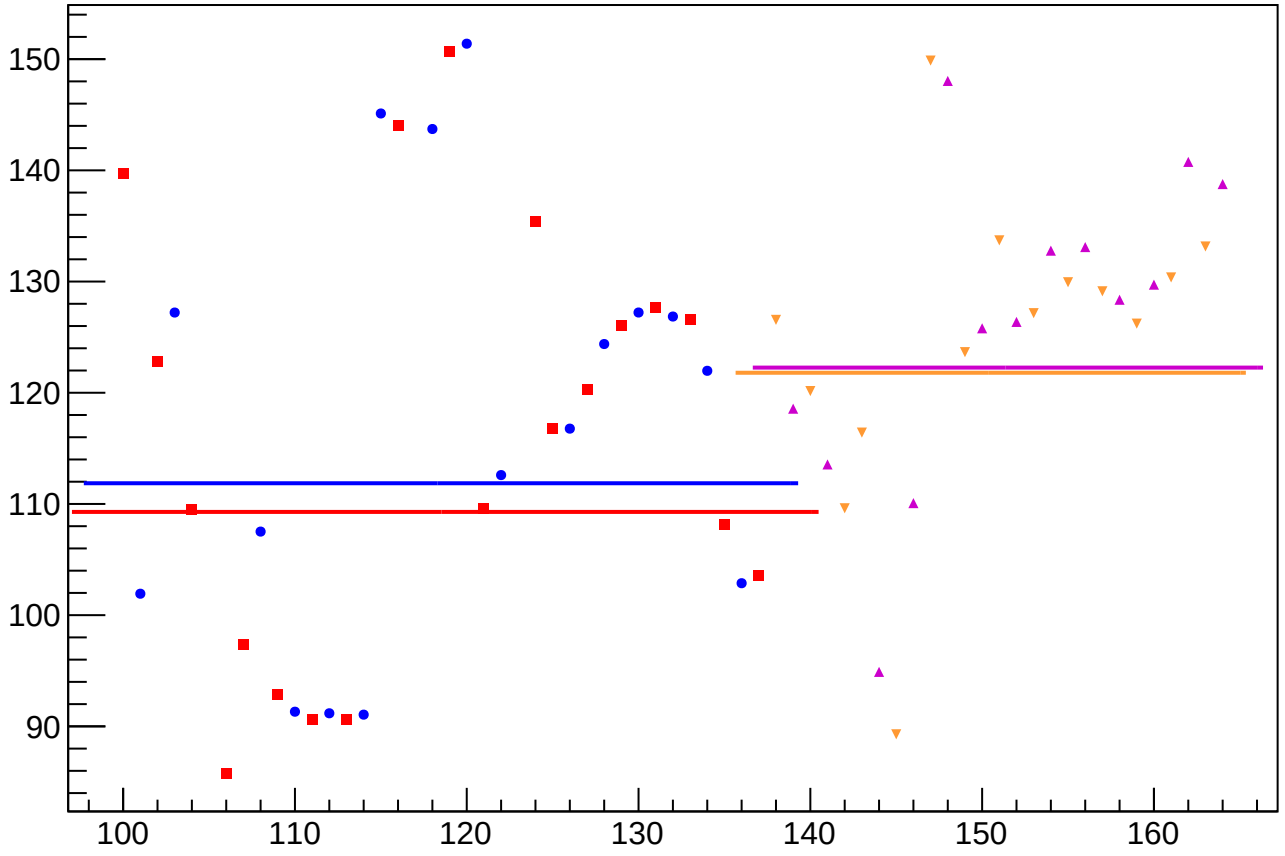
Left In: -250.586+/-37.271 χ^2/NDF:12.3/12

+ sign 166.742+/-27.679 χ^2/NDF: 38.8/29

All: -26.130+/-19.501 χ^2/NDF: 159.3/61

- 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: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

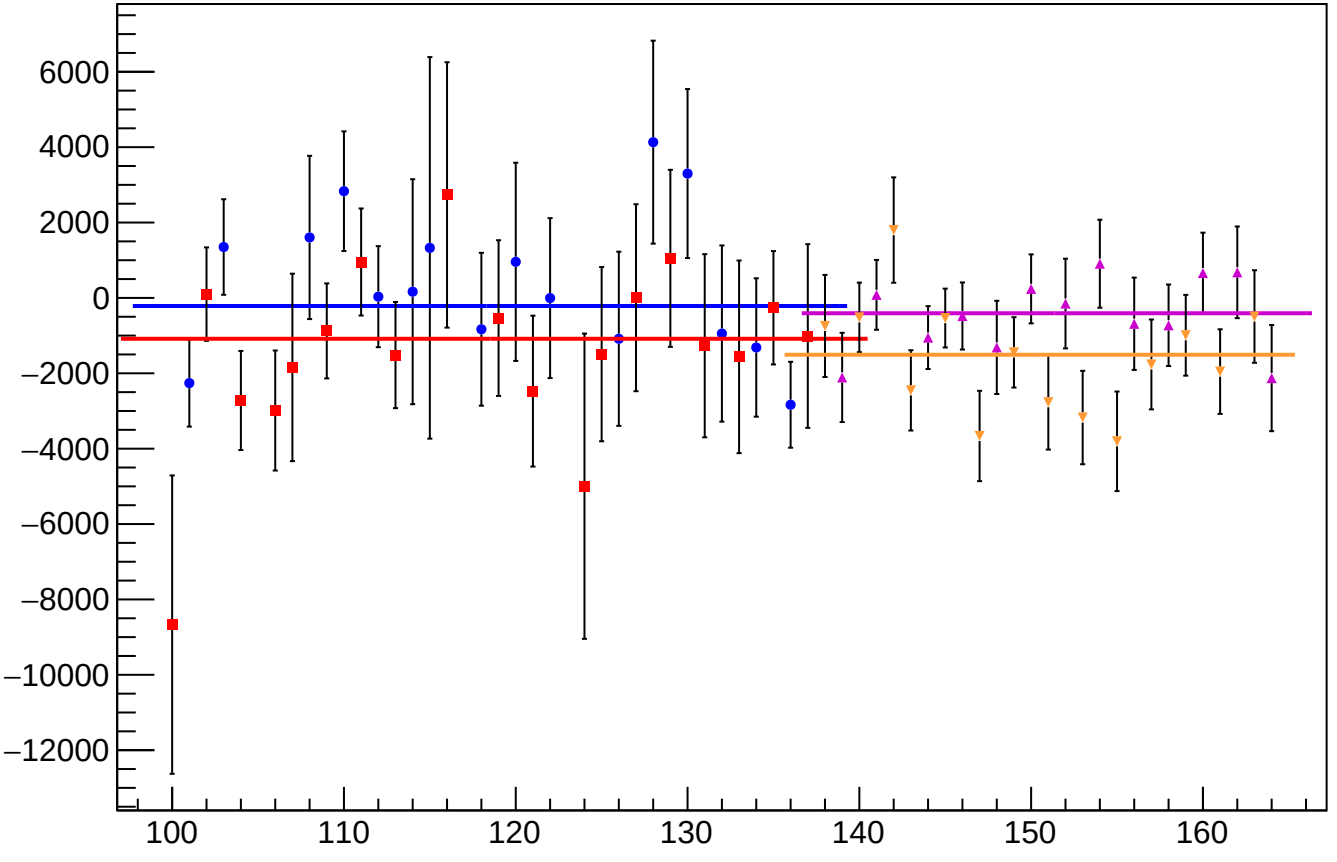
Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.510+/-0.020 χ^2/NDF: 707724.6/29

All: 116.920+/-0.014 χ^2/NDF: 1501784.9/61

- 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: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

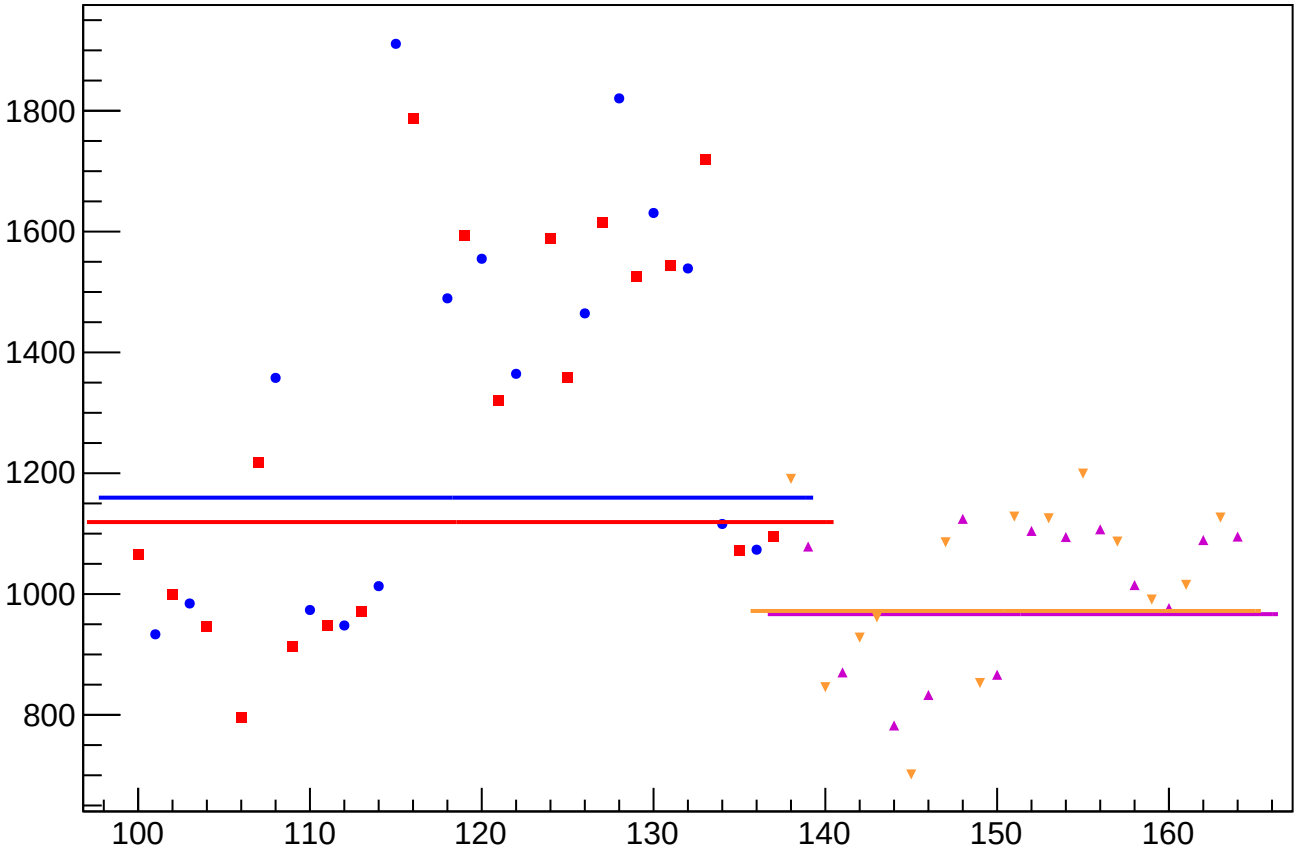
Left In: -406.705+/-295.662 χ^2/NDF:8.7/12

+ sign -1111.630+/-245.744 χ^2/NDF: 45.9/29

All: -866.800+/-172.601 χ^2/NDF: 72.2/61

- 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: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

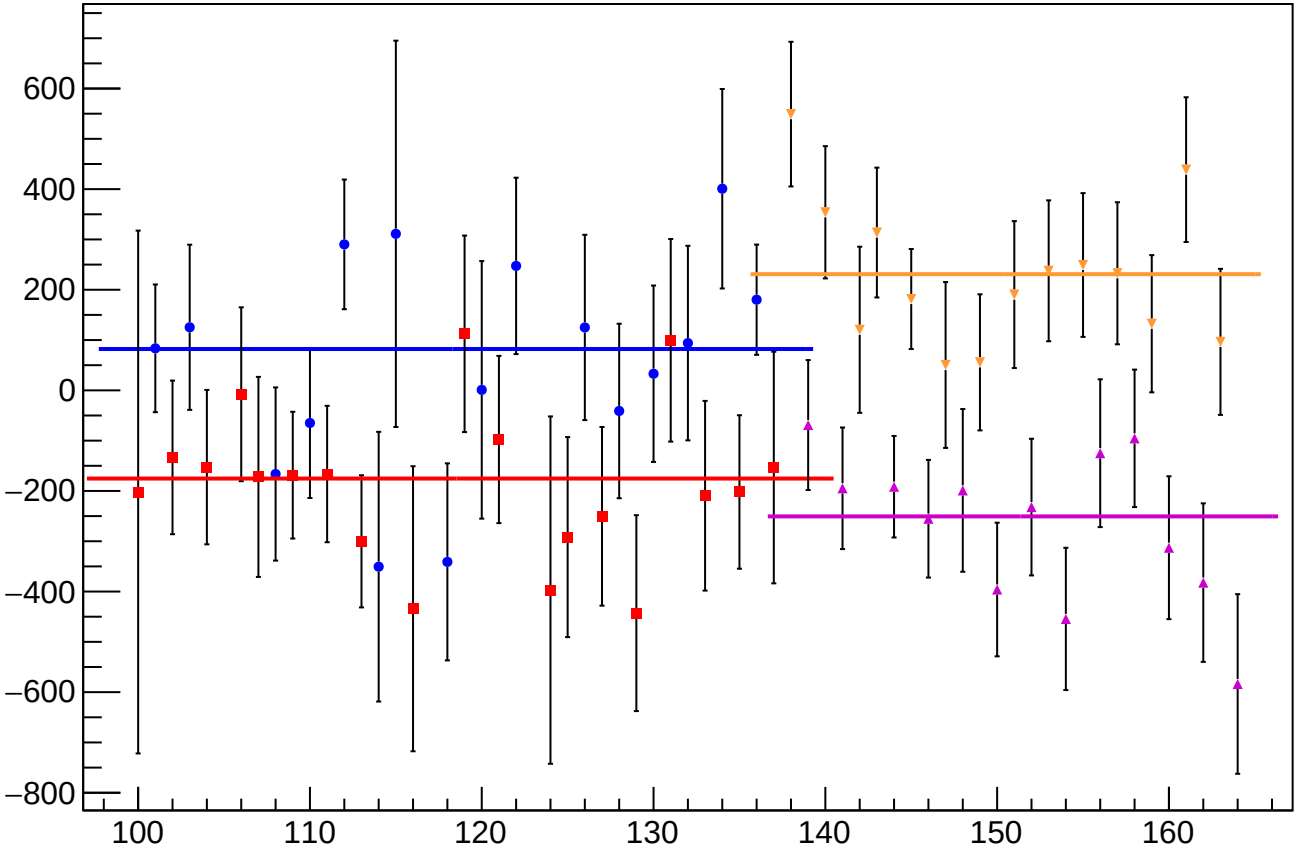
Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

+ sign 1029.466+/-0.174 χ^2/NDF: 1488861.7/29

All: 1022.964+/-0.122 χ^2/NDF: 2825839.6/61

- 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: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

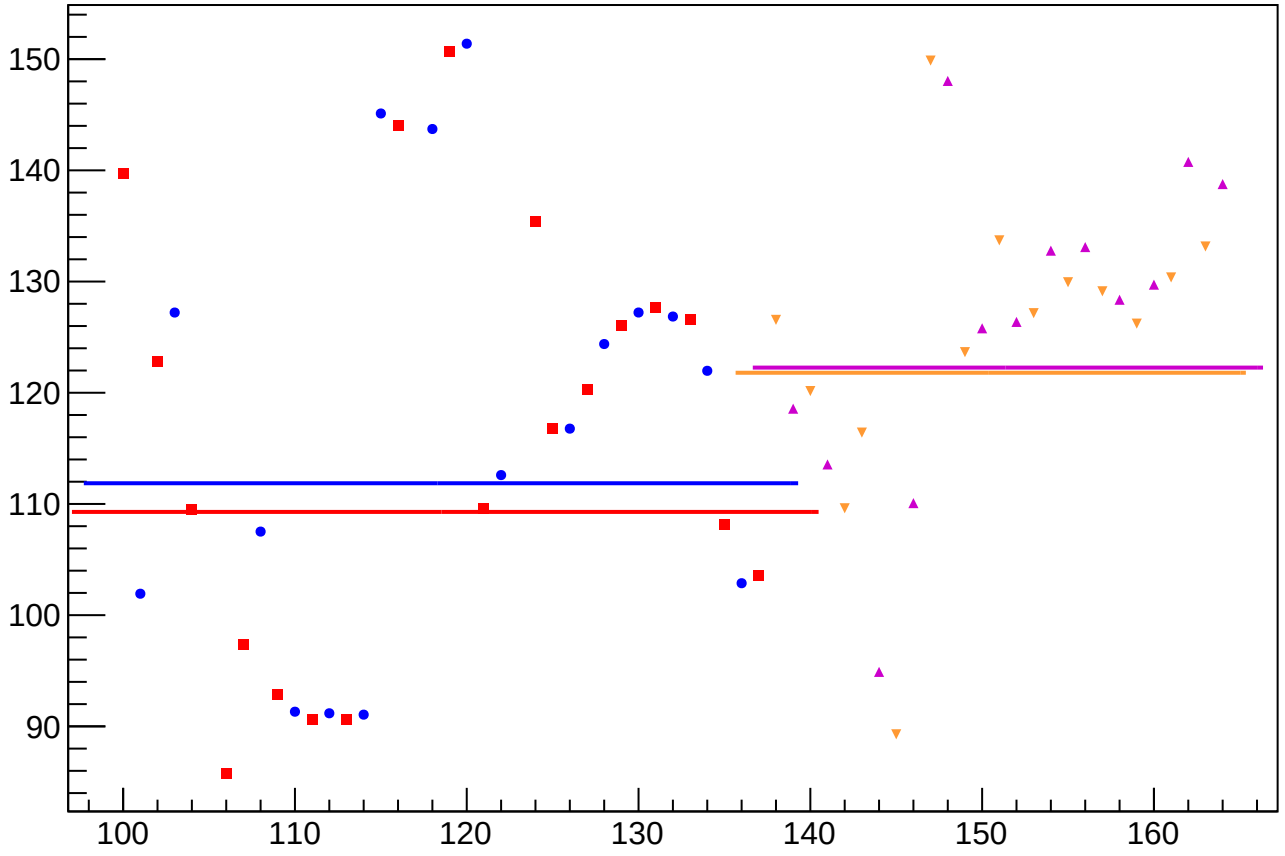
Left In: -250.586+/-37.271 χ^2/NDF:12.3/12

+ sign 166.742+/-27.679 χ^2/NDF: 38.8/29

All: -26.130+/-19.501 χ^2/NDF: 159.3/61

- 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: 121.799+/-0.026 χ^2/NDF:338469.3/13

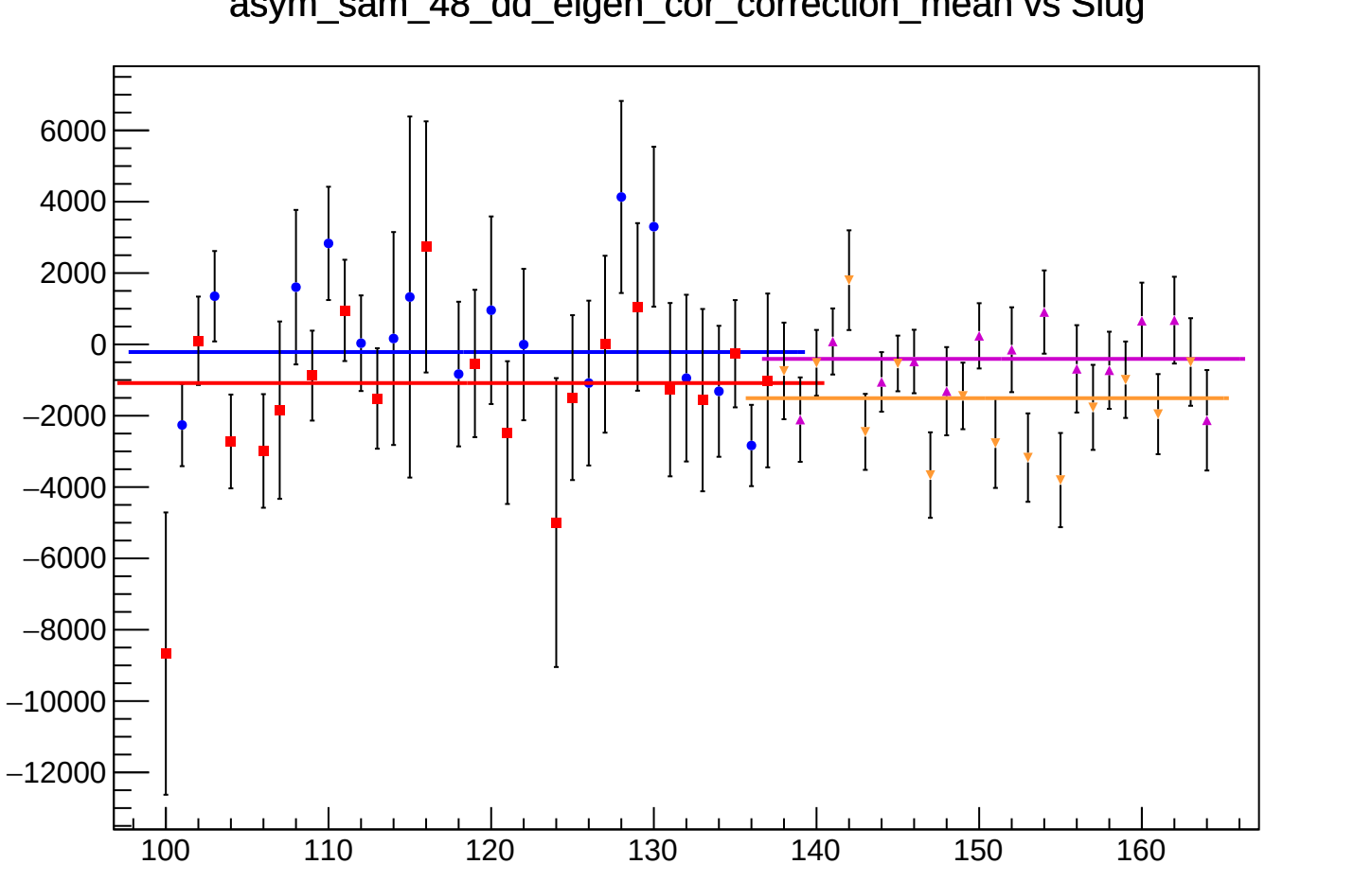
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.510+/-0.020 χ^2/NDF: 707724.6/29

All: 116.920+/-0.014 χ^2/NDF: 1501784.9/61

- 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: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

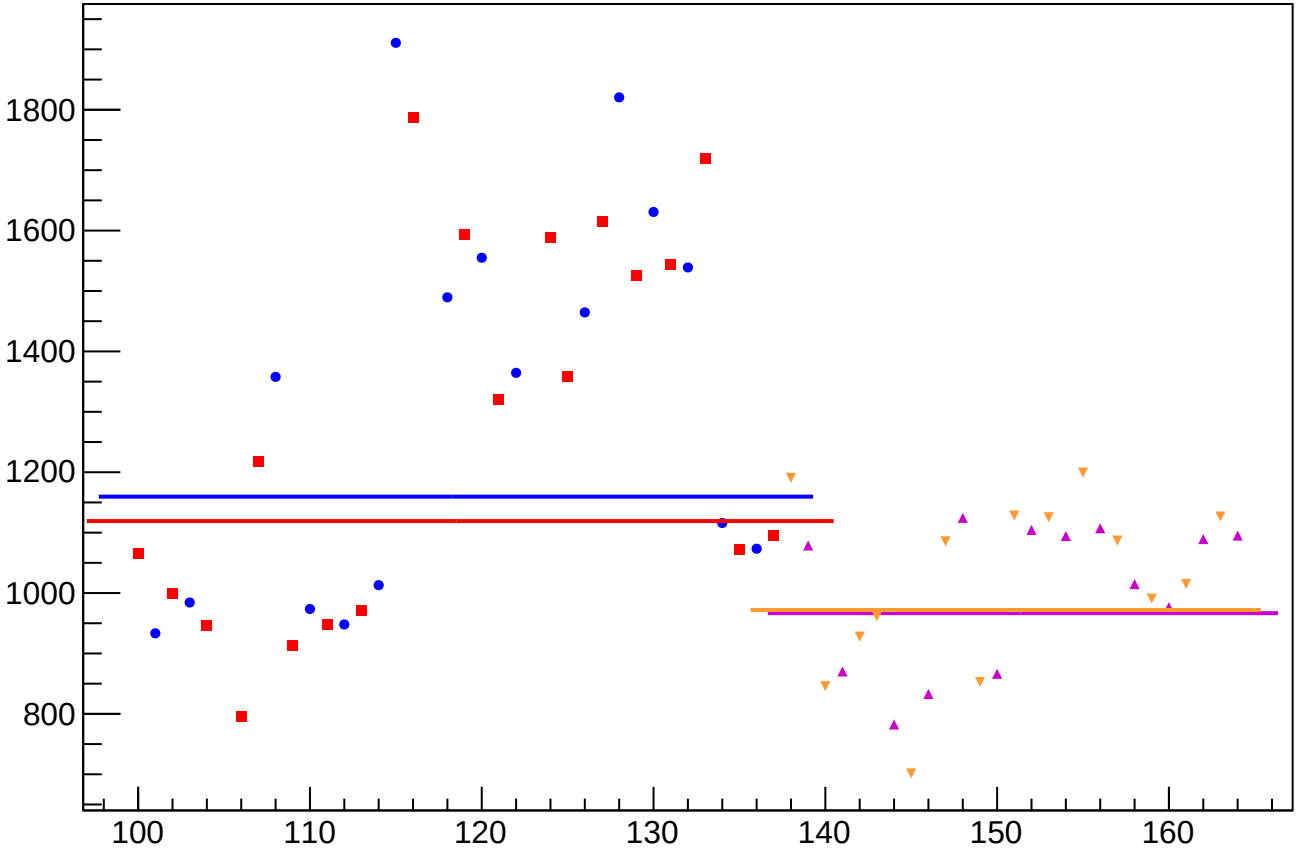
Left In: -406.705+/-295.662 χ^2/NDF:8.7/12

+ sign -1111.630+/-245.744 χ^2/NDF: 45.9/29

All: -866.800+/-172.601 χ^2/NDF: 72.2/61

- sign -628.433+/-242.479 χ^2/NDF: 24.3/31

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

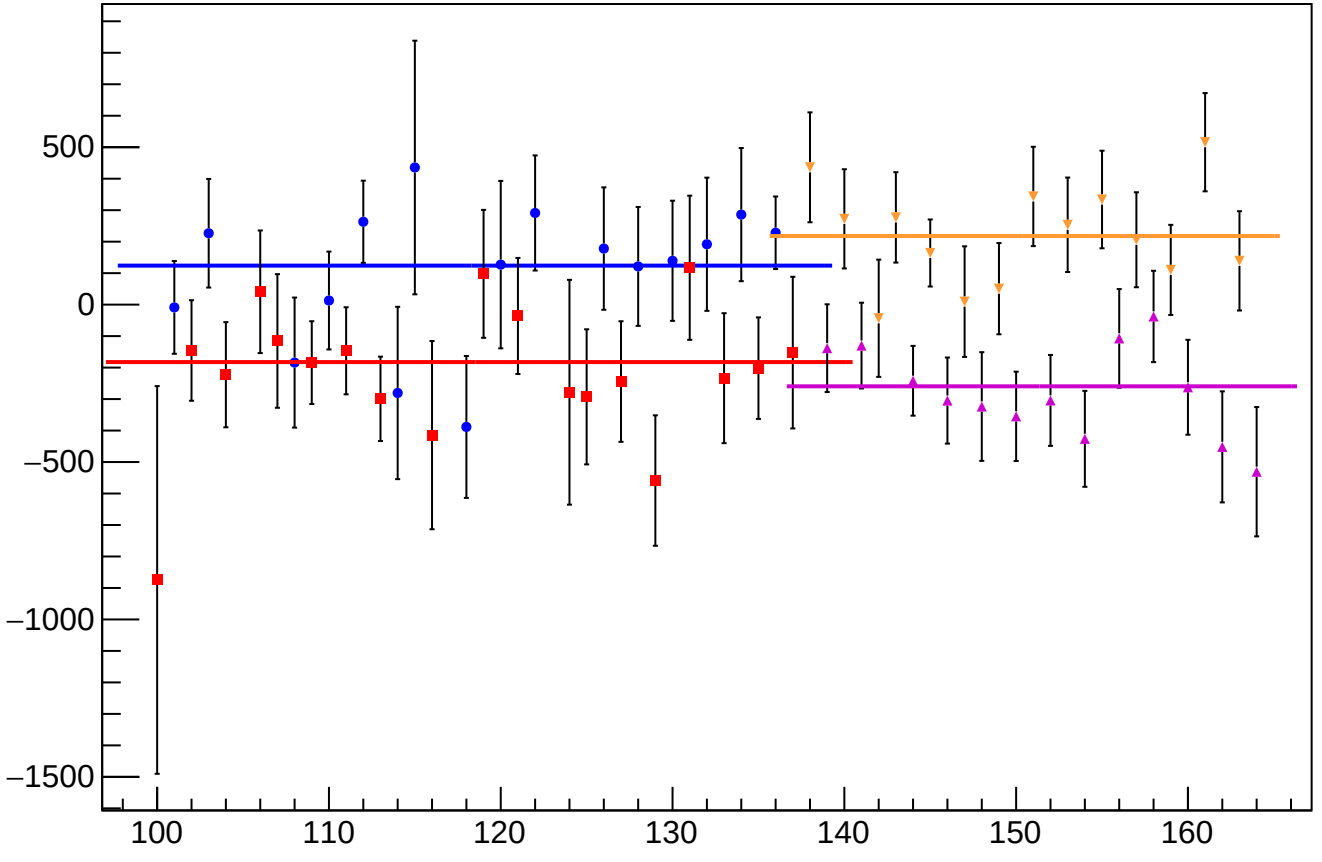
Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

+ sign 1029.466+/-0.174 χ^2/NDF: 1488861.7/29

All: 1022.964+/-0.122 χ^2/NDF: 2825839.6/61

- 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: 217.886+/-40.193 χ^2/NDF:12.5/13

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

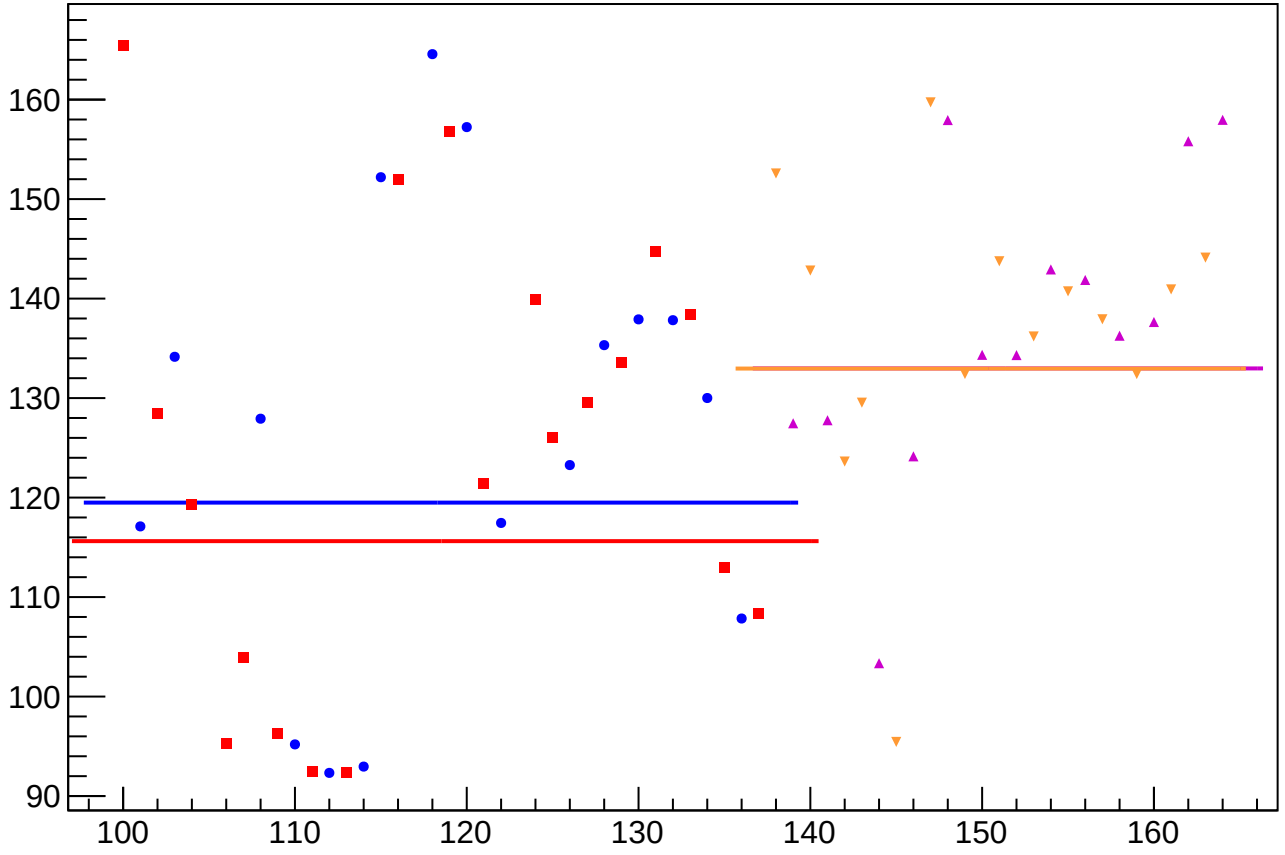
Left In: -259.480+/-40.732 χ^2/NDF:9.9/12

+ sign 176.421+/-30.047 χ^2/NDF: 30.4/29

All: -26.115+/-21.102 χ^2/NDF: 143.9/61

- 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: 132.968+/-0.028 χ^2/NDF:366792.6/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

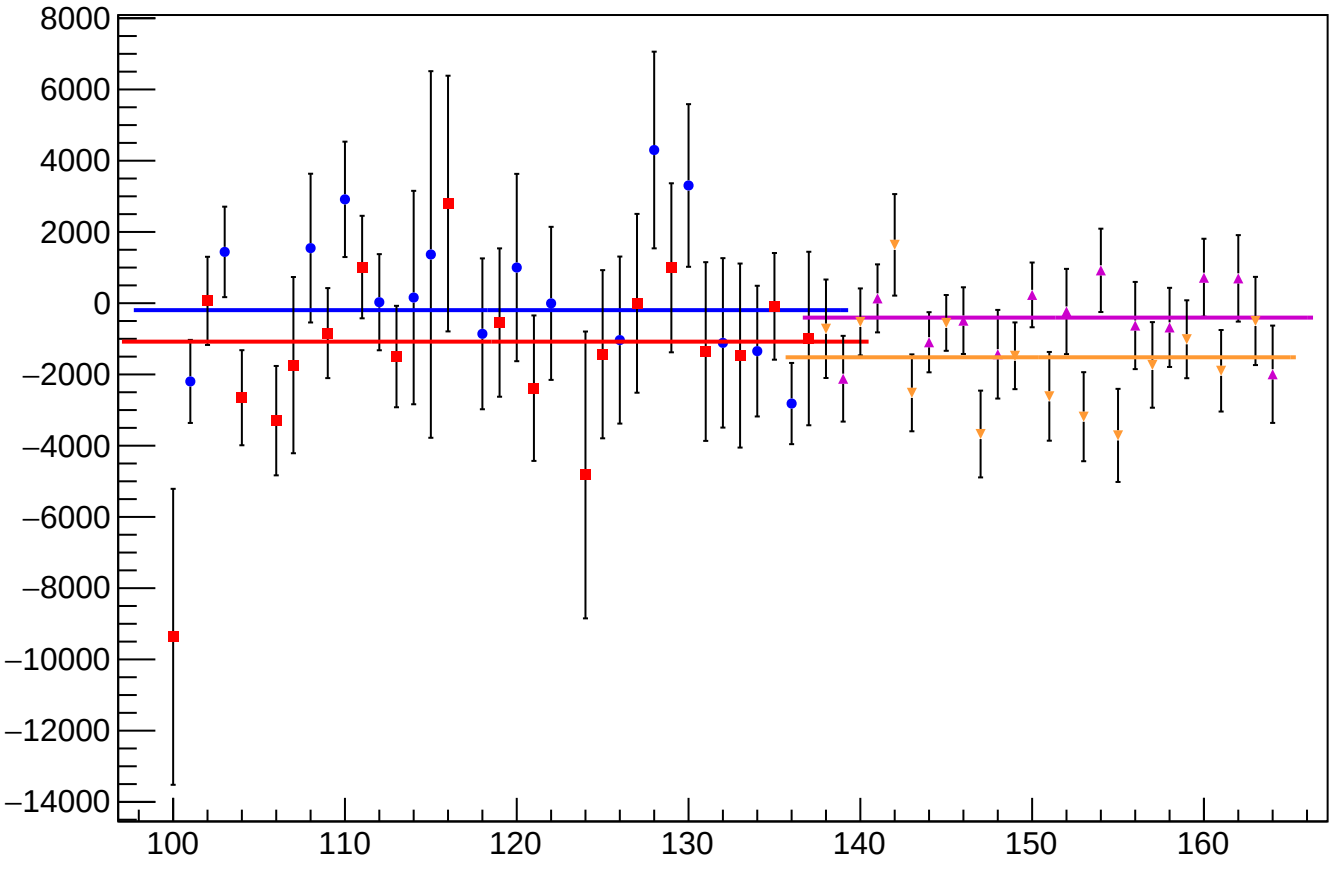
Left In: 132.981+/-0.029 χ^2/NDF:280619.2/12

+ sign 127.024+/-0.021 χ^2/NDF: 846185.8/29

All: 125.905+/-0.015 χ^2/NDF: 1730098.1/61

- 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: -1518.387+/-297.969 χ^2/NDF:18.3/13

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

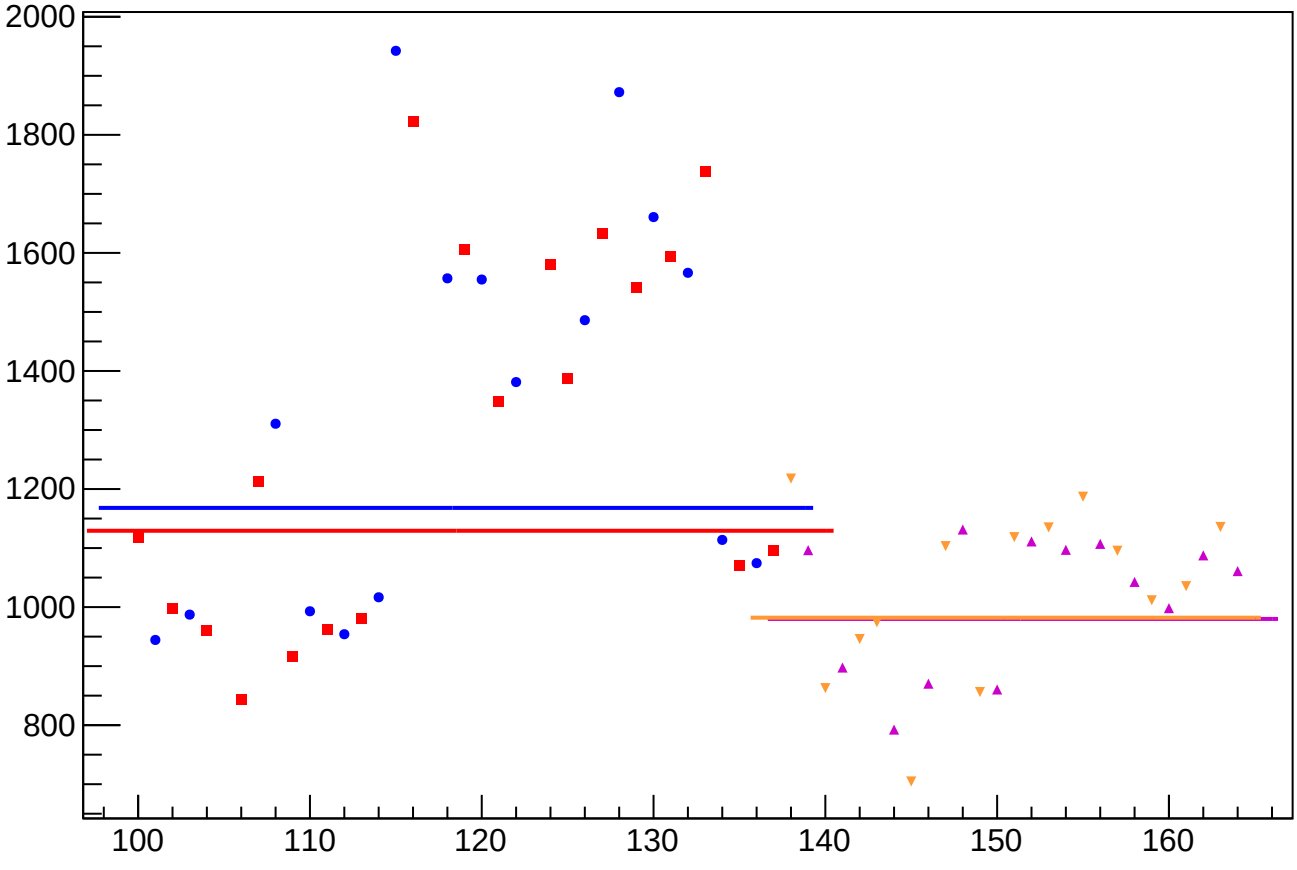
Left In: -404.744+/-299.540 χ^2/NDF:8.8/12

+ sign -1111.697+/-247.990 χ^2/NDF: 44.7/29

All: -866.926+/-174.296 χ^2/NDF: 71.7/61

- 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: 982.056+/-0.211 χ^2/NDF:556236.9/13

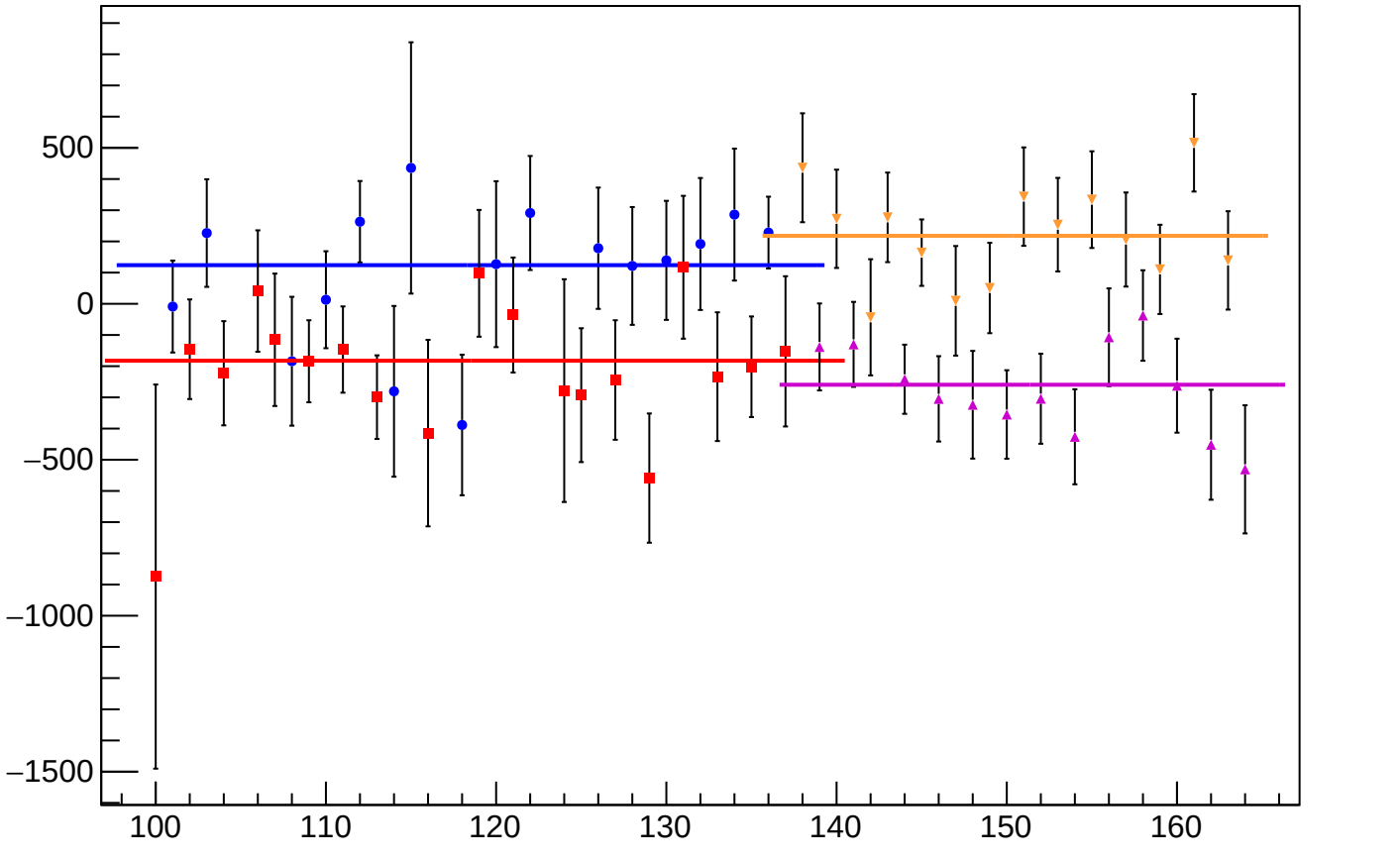
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 979.945+/-0.212 χ^2/NDF:319284.0/12

+ sign 1039.221+/-0.175 χ^2/NDF: 1505125.5/29

All: 1034.237+/-0.123 χ^2/NDF: 2797794.9/61

- 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: 217.887+/-40.193 χ^2/NDF:12.5/13

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

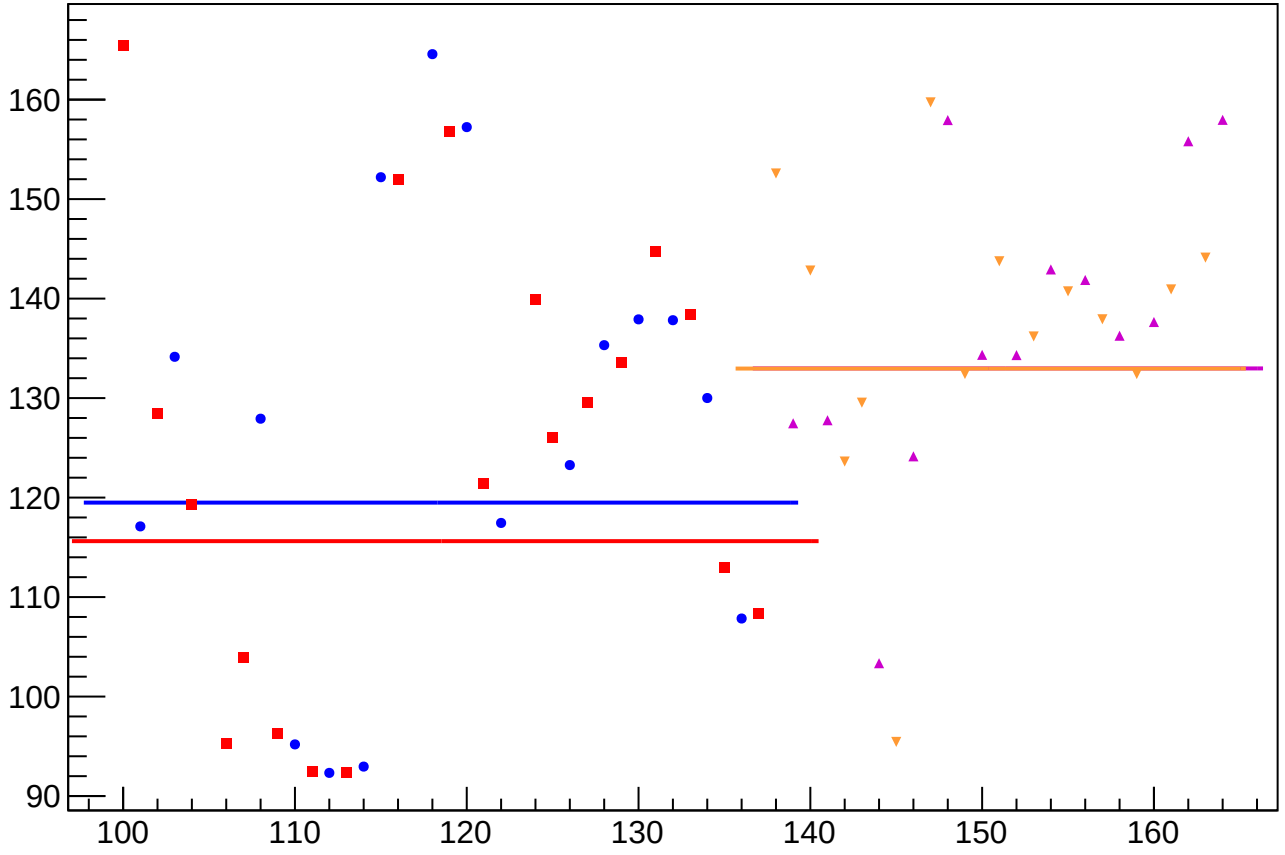
Left In: -259.481+/-40.732 χ^2/NDF:9.9/12

+ sign 176.423+/-30.047 χ^2/NDF: 30.4/29

All: -26.114+/-21.102 χ^2/NDF: 143.9/61

- 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: 132.968+/-0.028 χ^2/NDF:366791.0/13

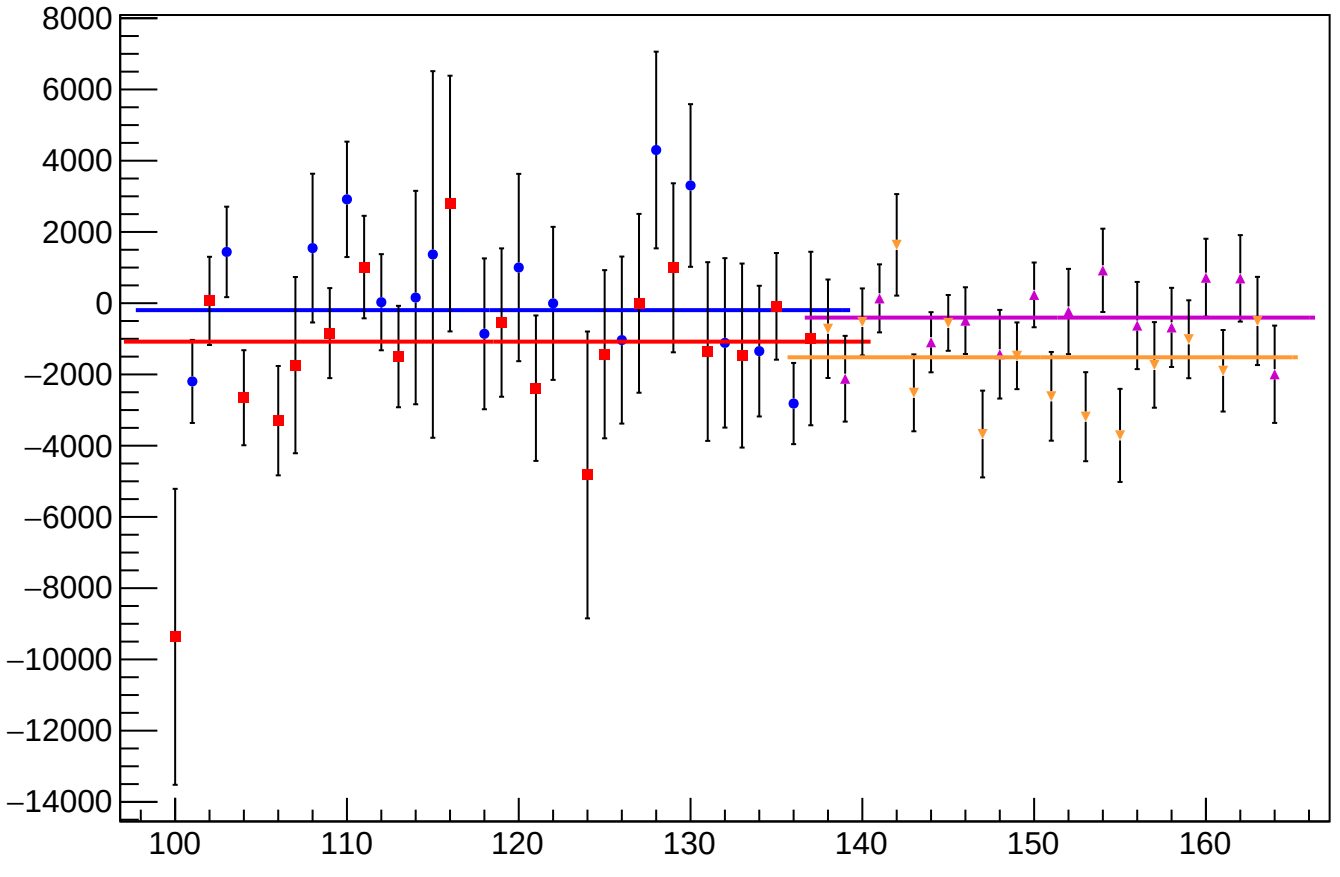
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.981+/-0.029 χ^2/NDF:280618.0/12

+ sign 127.024+/-0.021 χ^2/NDF: 846188.3/29

All: 125.905+/-0.015 χ^2/NDF: 1730106.8/61

- 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: -1518.385+/-297.969 χ^2/NDF:18.3/13

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

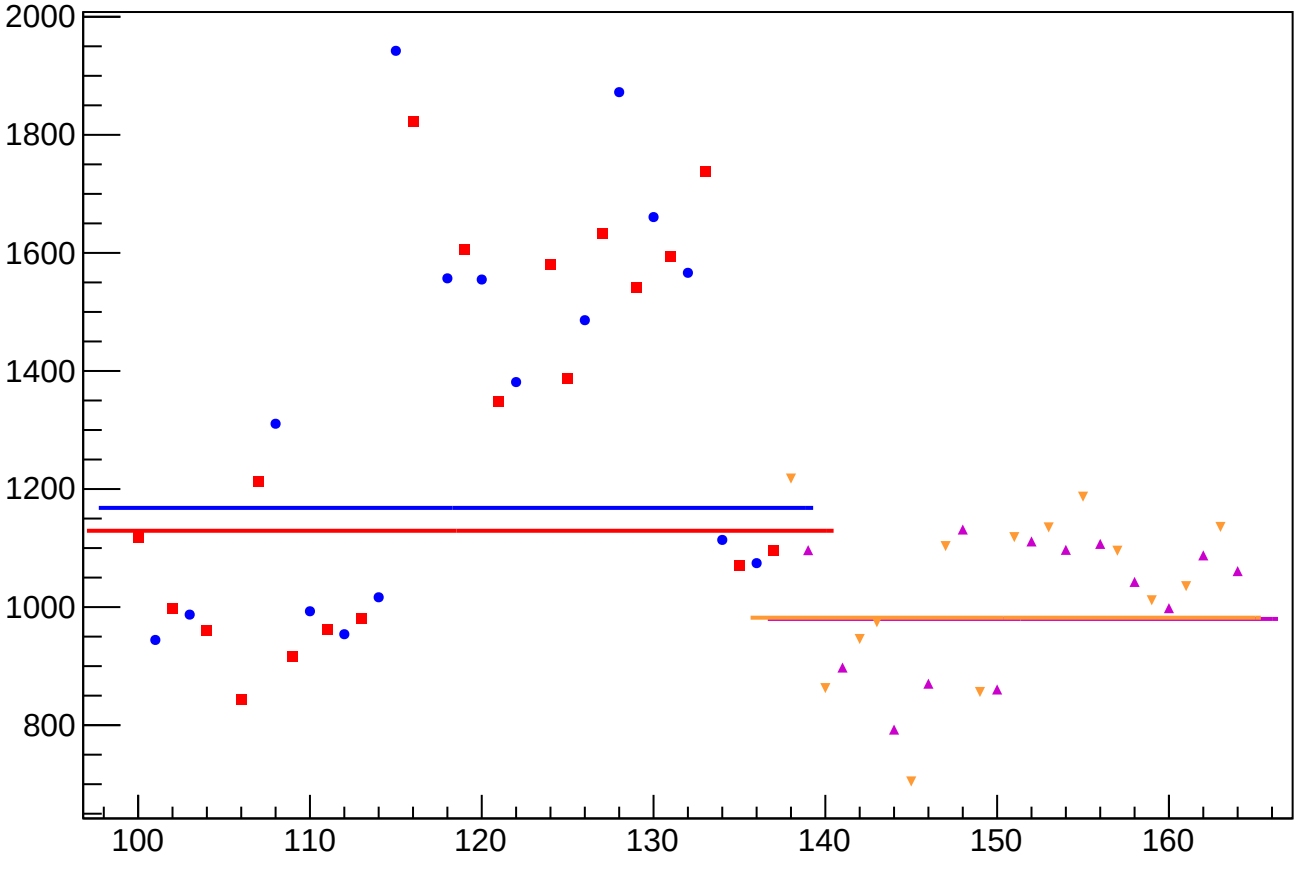
Left In: -404.743+/-299.540 χ^2/NDF:8.8/12

+ sign -1111.695+/-247.990 χ^2/NDF: 44.7/29

All: -866.925+/-174.296 χ^2/NDF: 71.7/61

- 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: 982.055+/-0.211 χ^2/NDF:556240.4/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

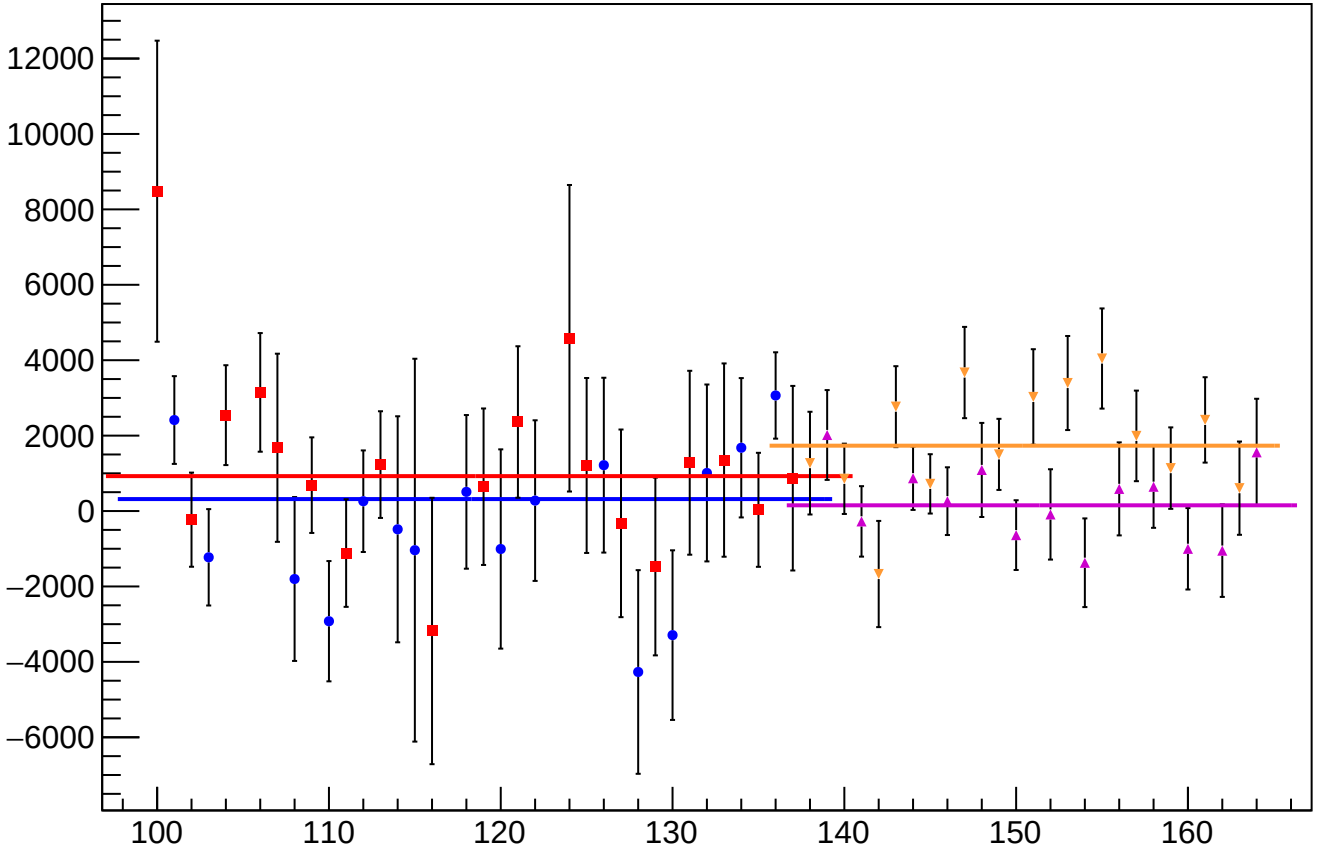
Left In: 979.945+/-0.212 χ^2/NDF:319282.3/12

+ sign 1039.221+/-0.175 χ^2/NDF: 1505132.8/29

All: 1034.237+/-0.123 χ^2/NDF: 2797801.5/61

- 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: 1733.325+/-297.466 χ^2/NDF:19.4/13

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

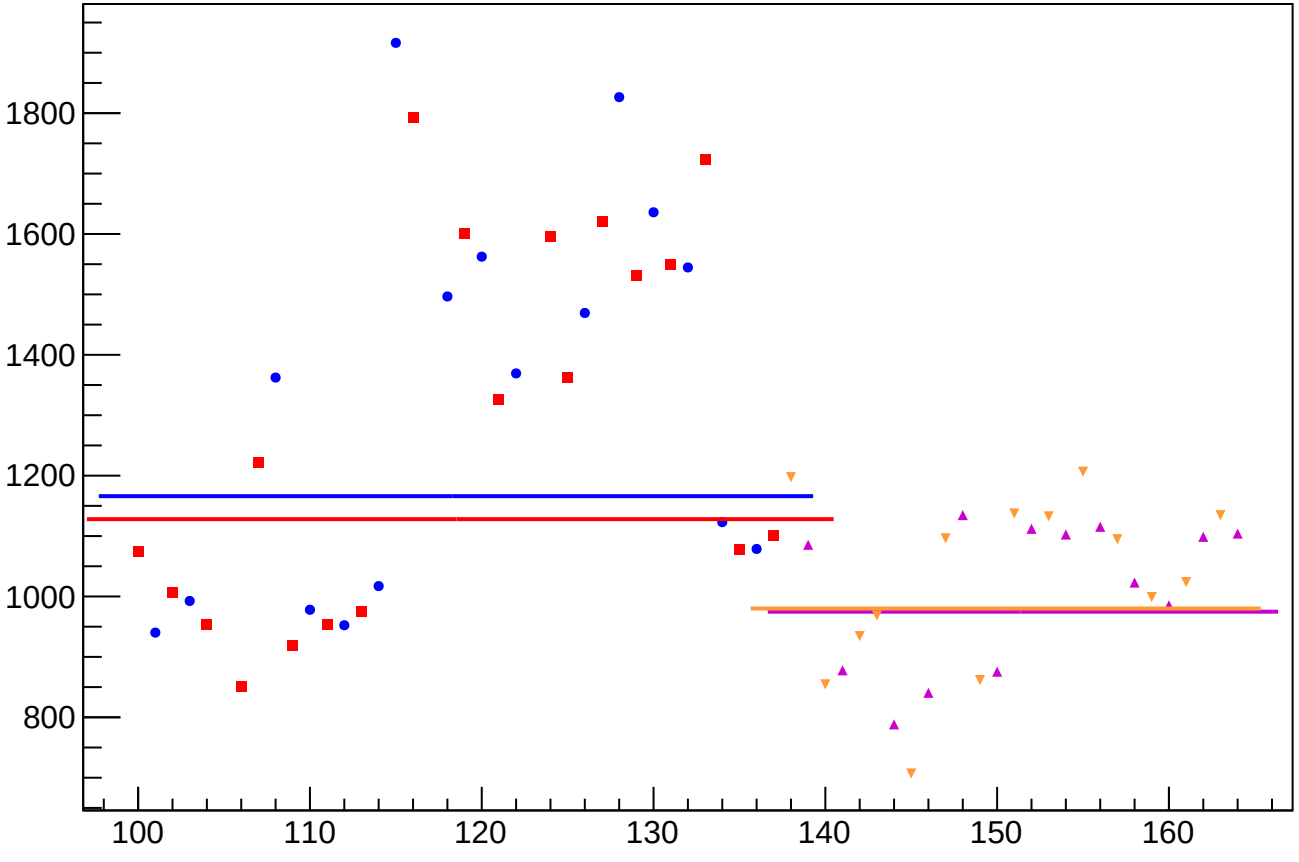
Left In: 151.922+/-298.099 χ^2/NDF:9.8/12

+ sign 1297.836+/-247.531 χ^2/NDF: 48.6/29

All: 846.180+/-173.815 χ^2/NDF: 81.7/61

- 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: 980.079+/-0.210 χ^2/NDF:552313.6/13

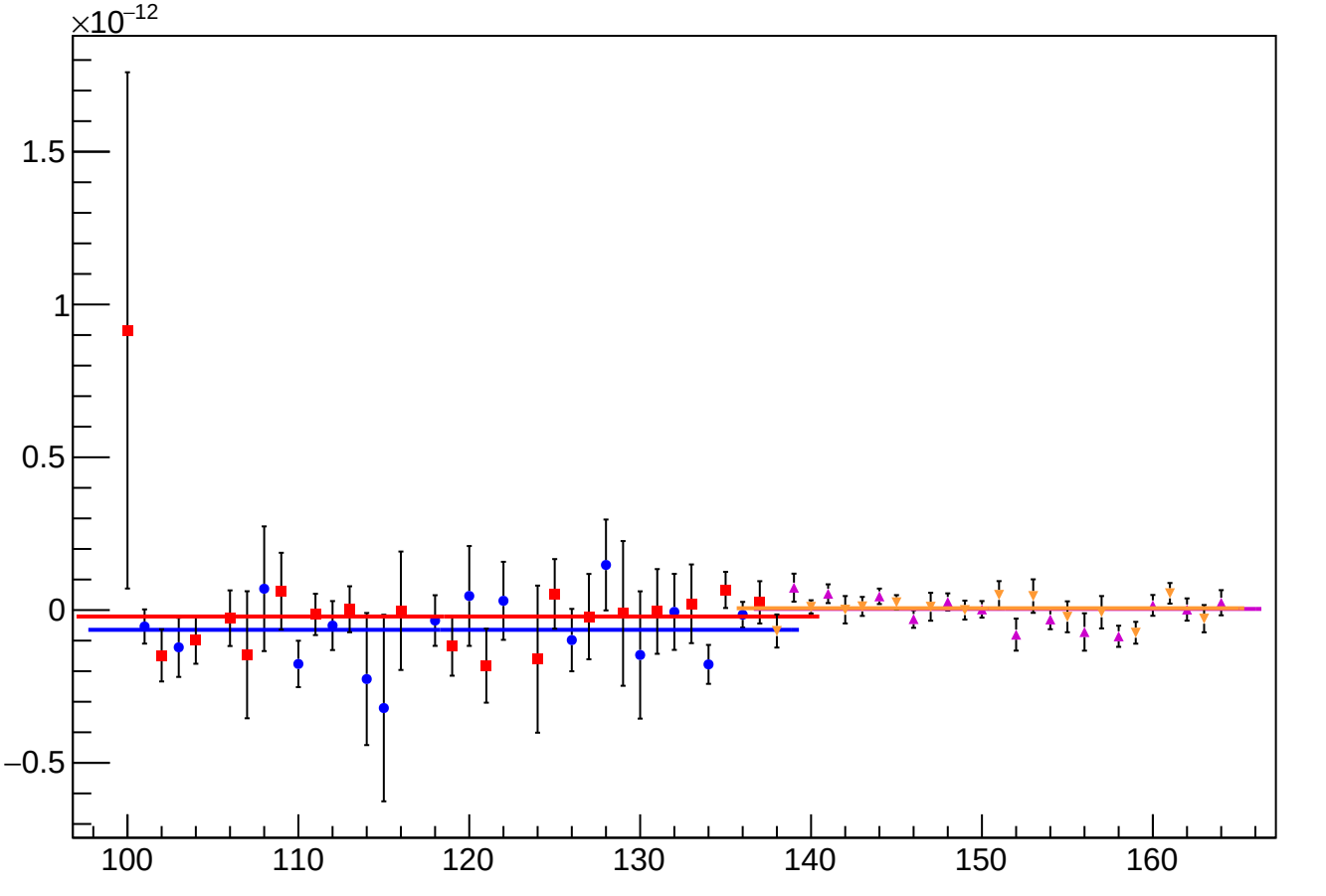
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 974.815+/-0.211 χ^2/NDF:354744.4/12

+ sign 1037.278+/-0.175 χ^2/NDF: 1469814.7/29

All: 1031.188+/-0.123 χ^2/NDF: 2776655.2/61

- sign 1025.265+/-0.173 χ^2/NDF: 1304452.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

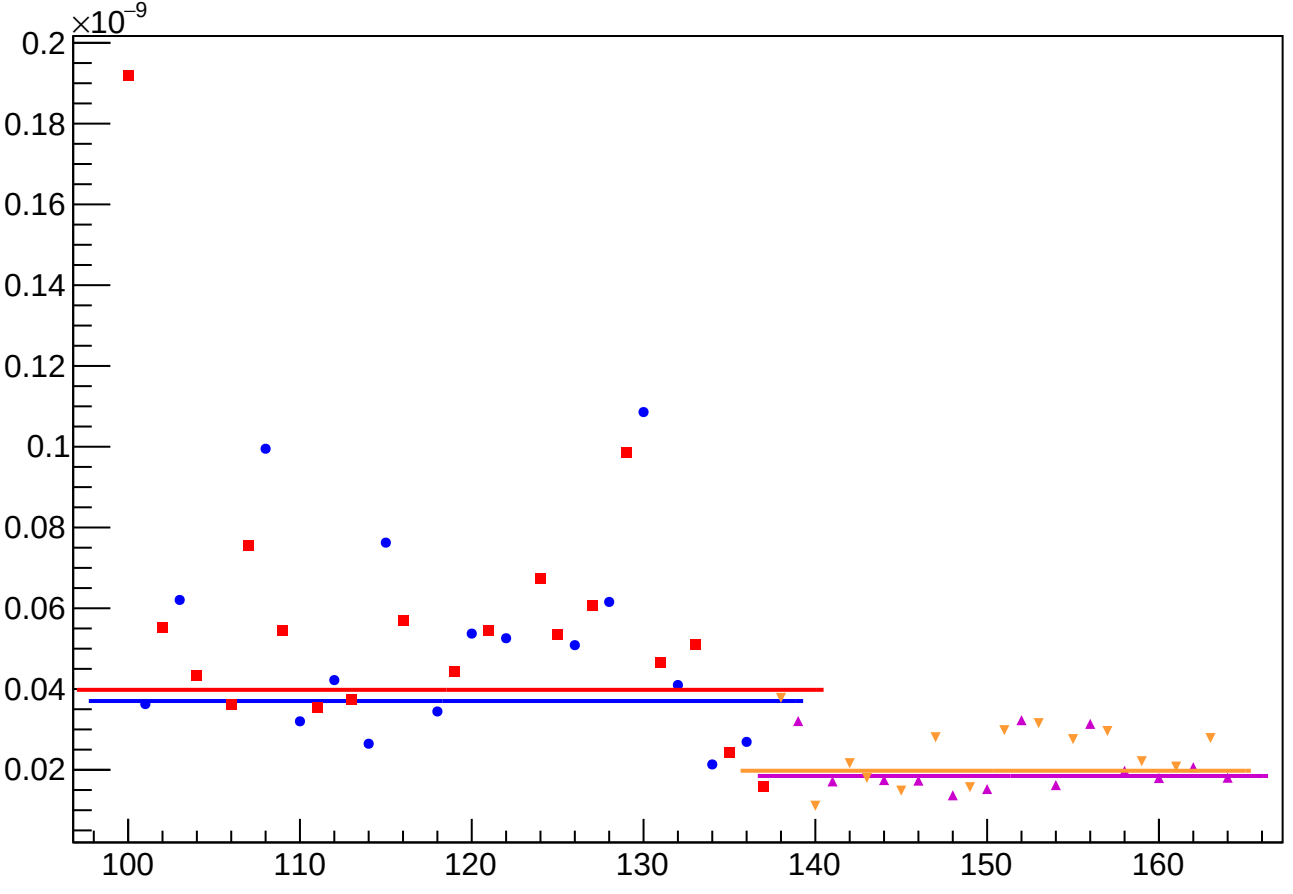
Left In: 0.000+/-0.000 χ^2/NDF:21.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/29

All: -0.000+/-0.000 χ^2/NDF: 68.1/61

- 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:1121832.0/13

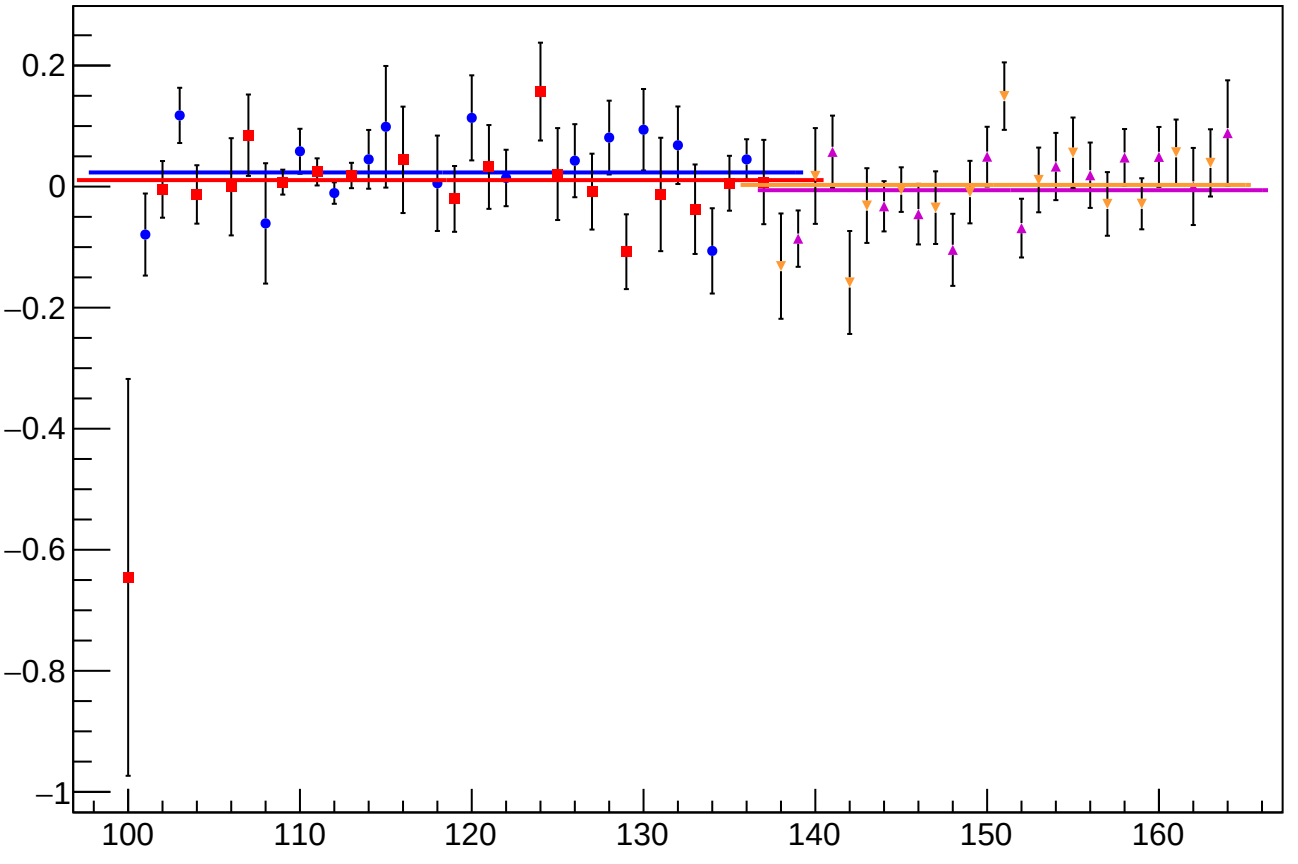
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:521152.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3167664.0/29

All: 0.000+/-0.000 χ^2/NDF: 6074821.6/61

- 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: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

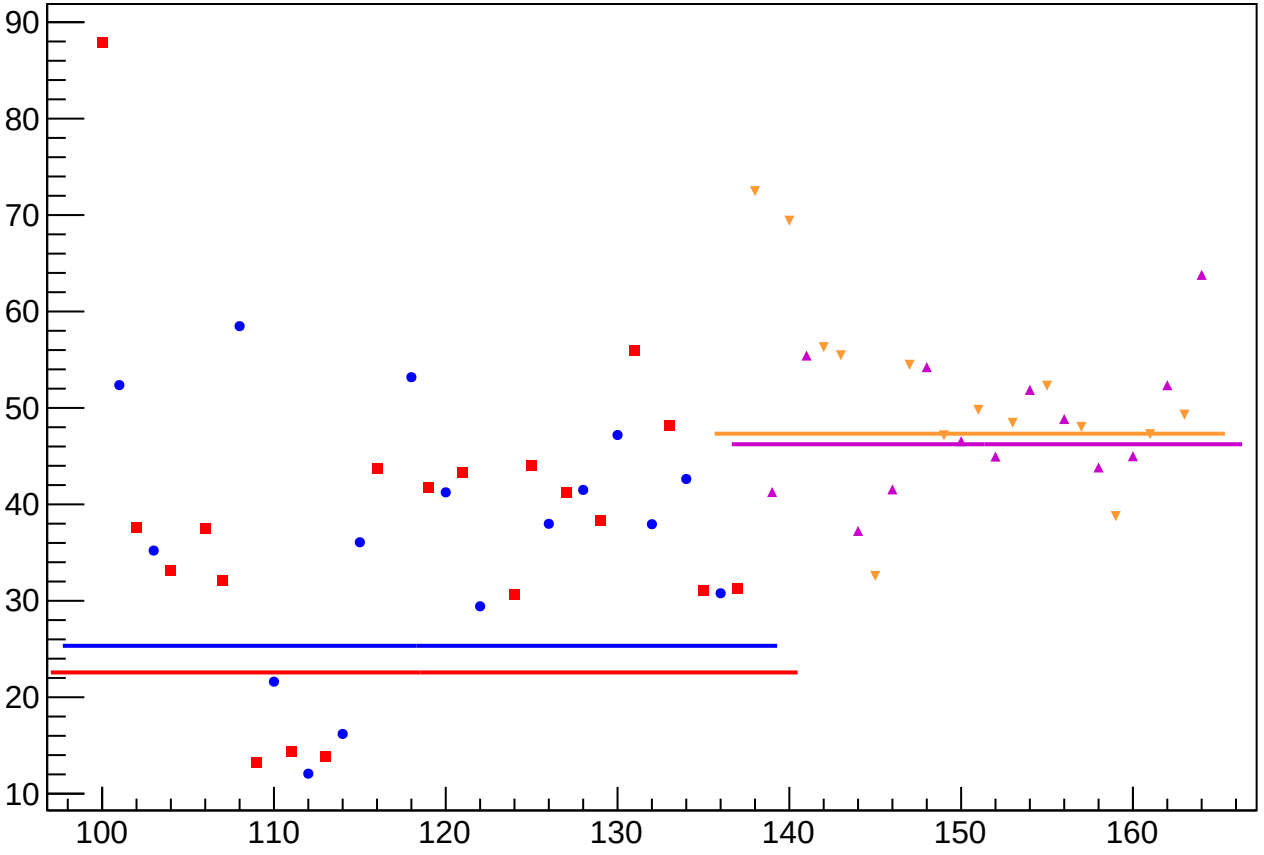
Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 70.0/61

- 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: 47.329+/-0.010 χ^2/NDF:833424.4/13

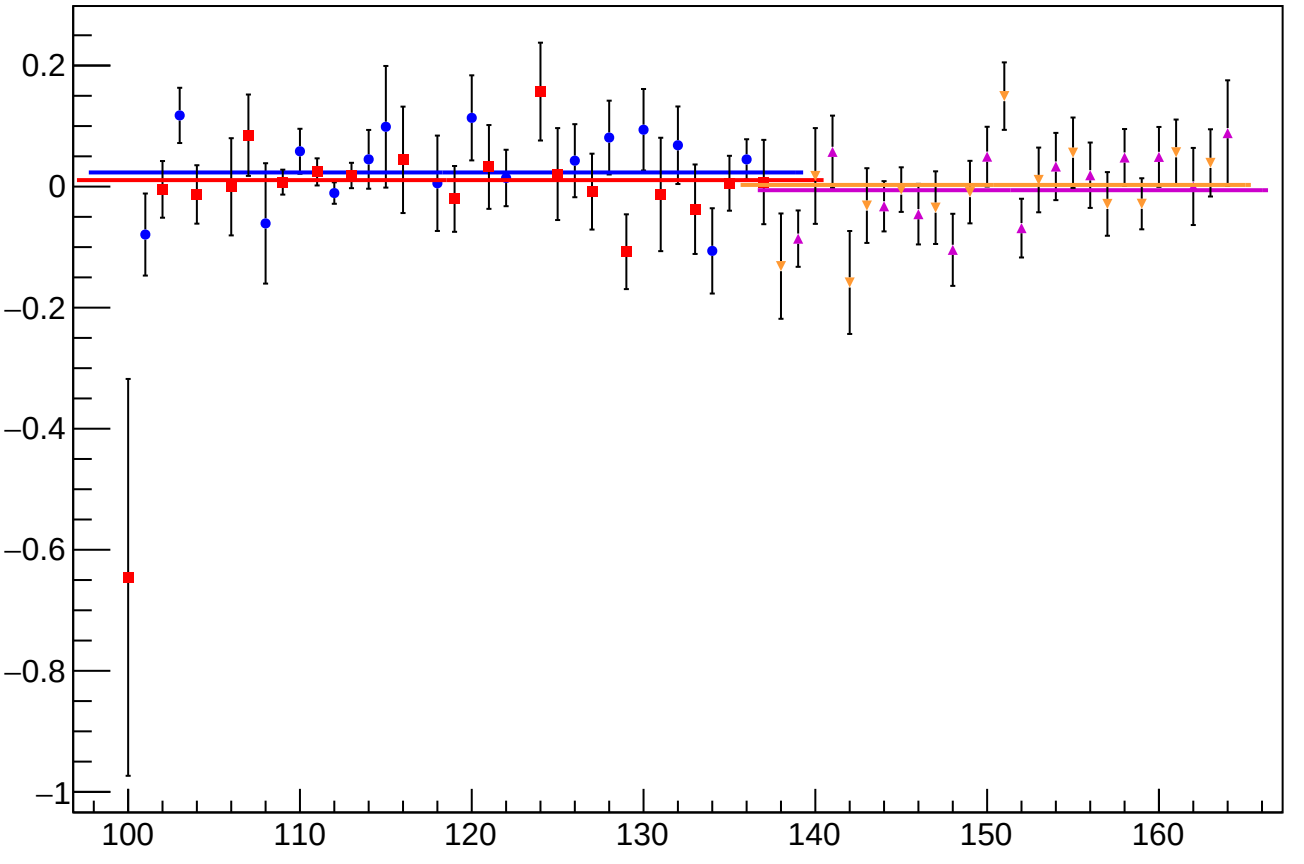
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

+ sign 33.305+/-0.006 χ^2/NDF: 6620566.8/29

All: 31.502+/-0.004 χ^2/NDF: 13912335.6/61

- 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: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

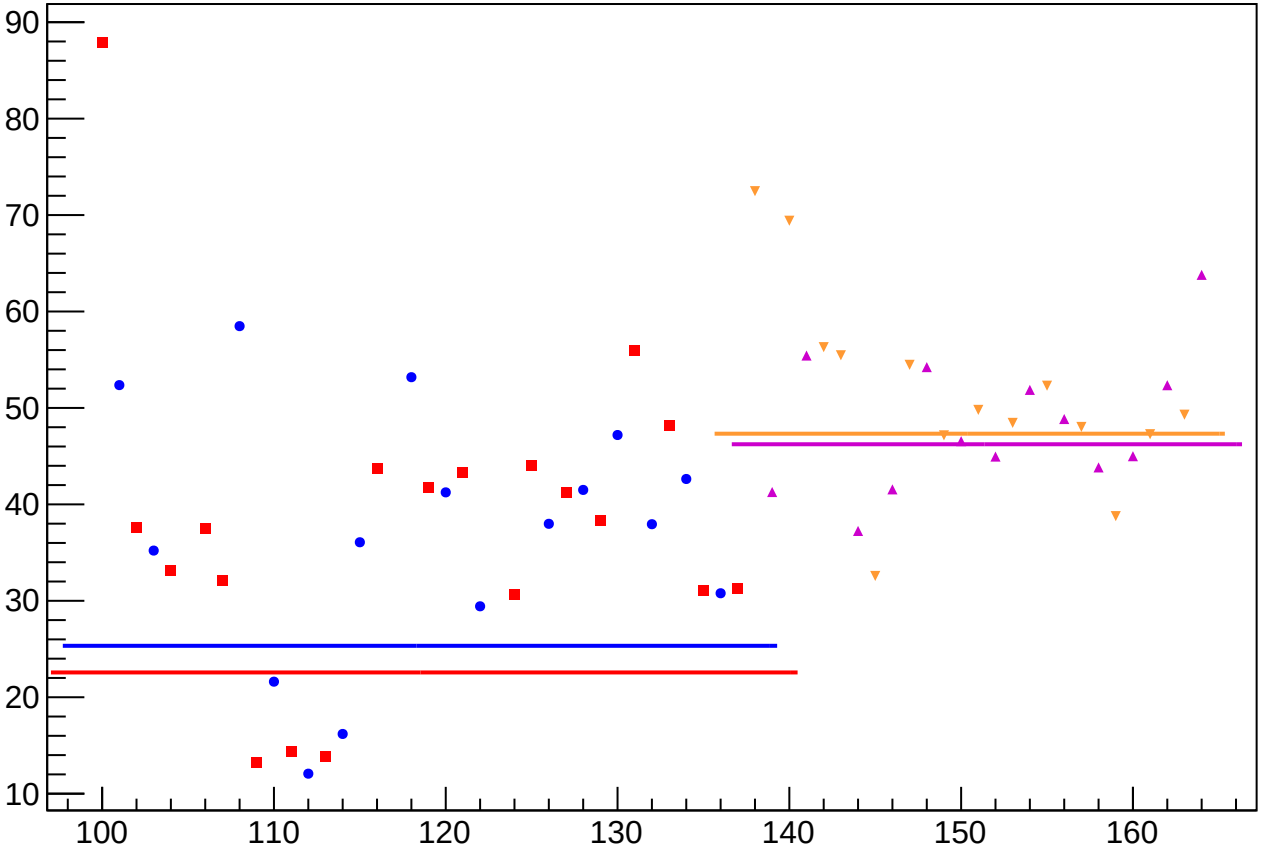
Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 70.0/61

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

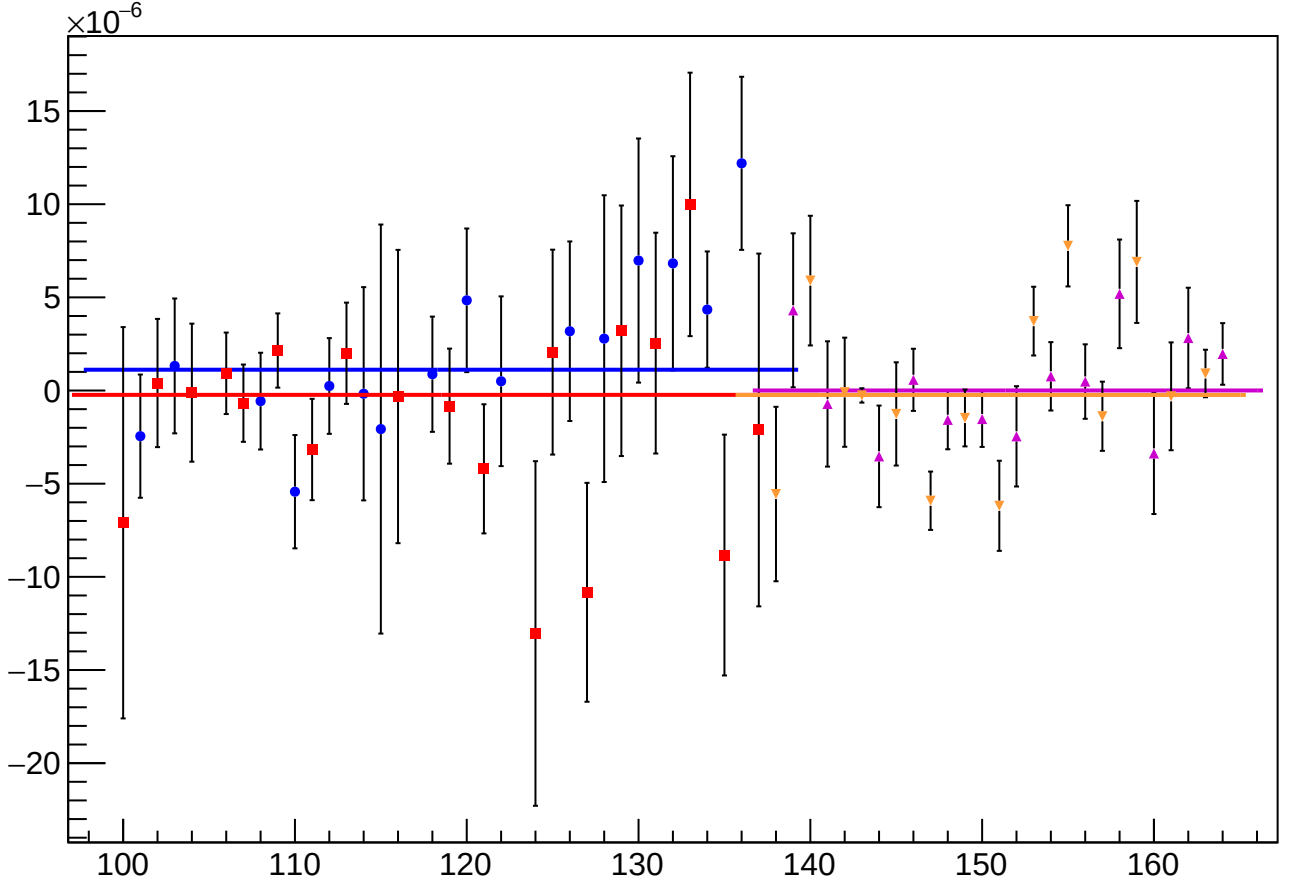
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

+ sign 33.305+/-0.006 χ^2/NDF: 6620566.8/29

All: 31.502+/-0.004 χ^2/NDF: 13912335.6/61

- 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:48.4/13

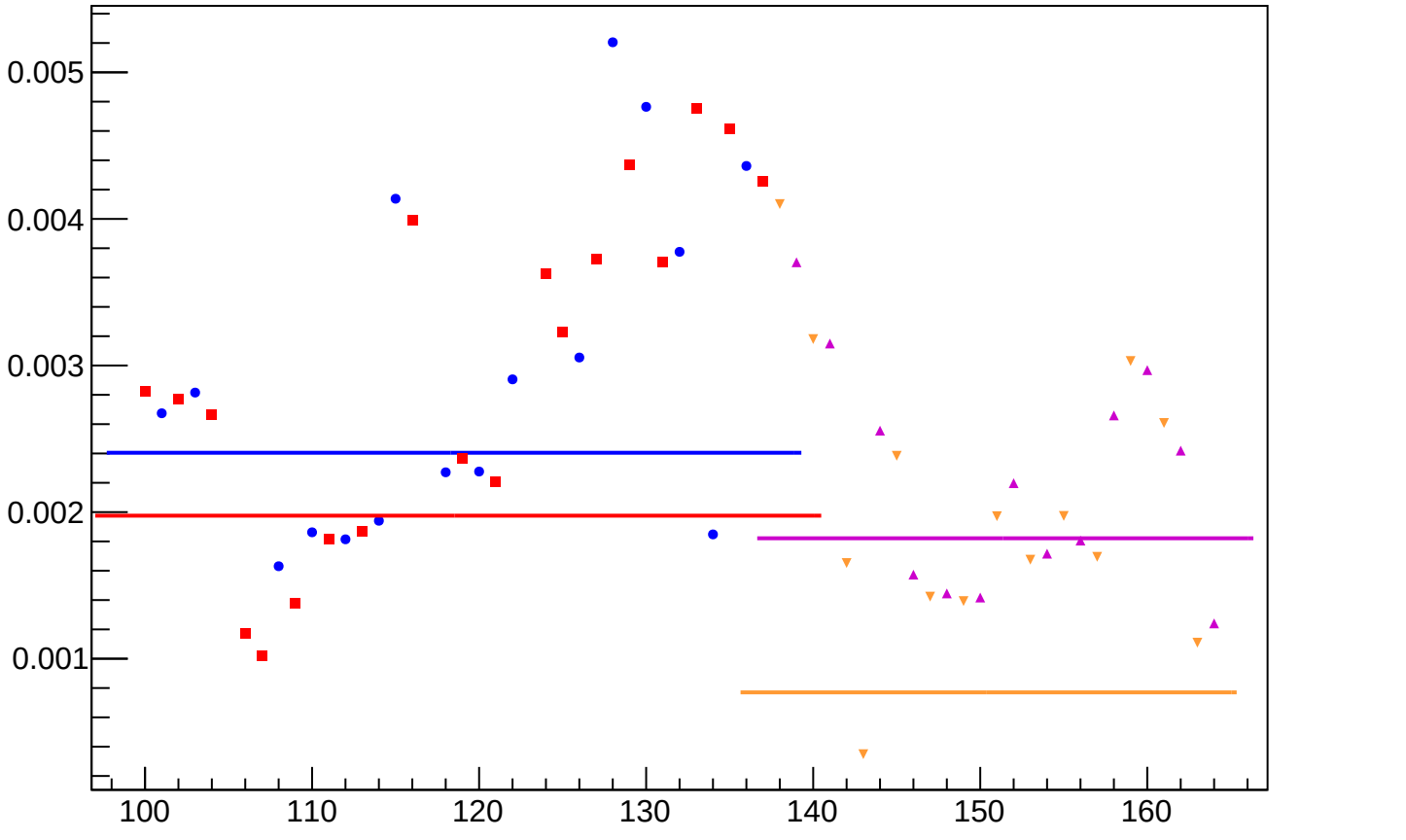
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/29

All: -0.000+/-0.000 χ^2/NDF: 94.4/61

- sign -0.000+/-0.000 χ^2/NDF: 28.0/31



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9881703.1/13

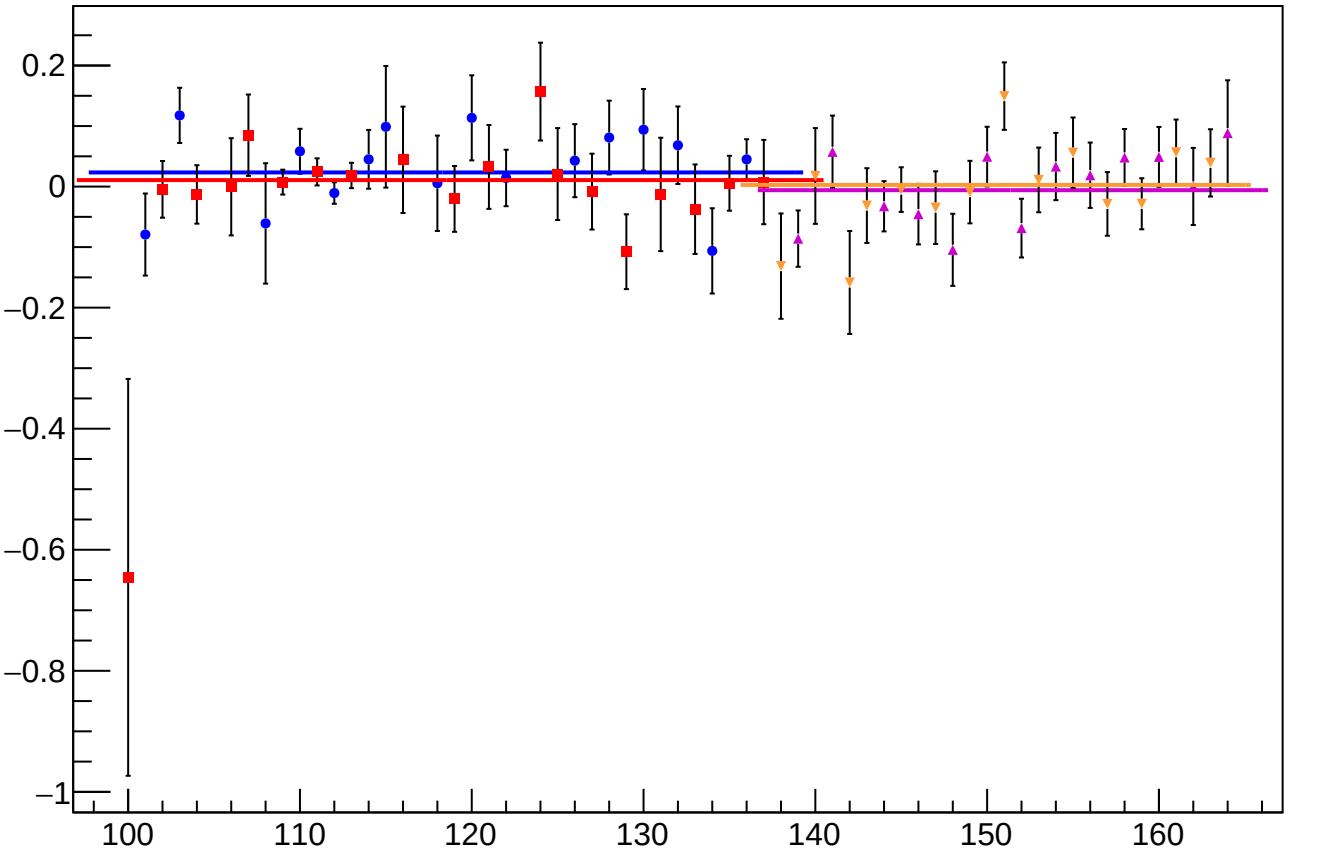
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1980534.9/12

+ sign 0.001+/-0.000 χ^2/NDF: 16721784.7/29

All: 0.001+/-0.000 χ^2/NDF: 27034480.9/61

- sign 0.002+/-0.000 χ^2/NDF: 4803194.4/31



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

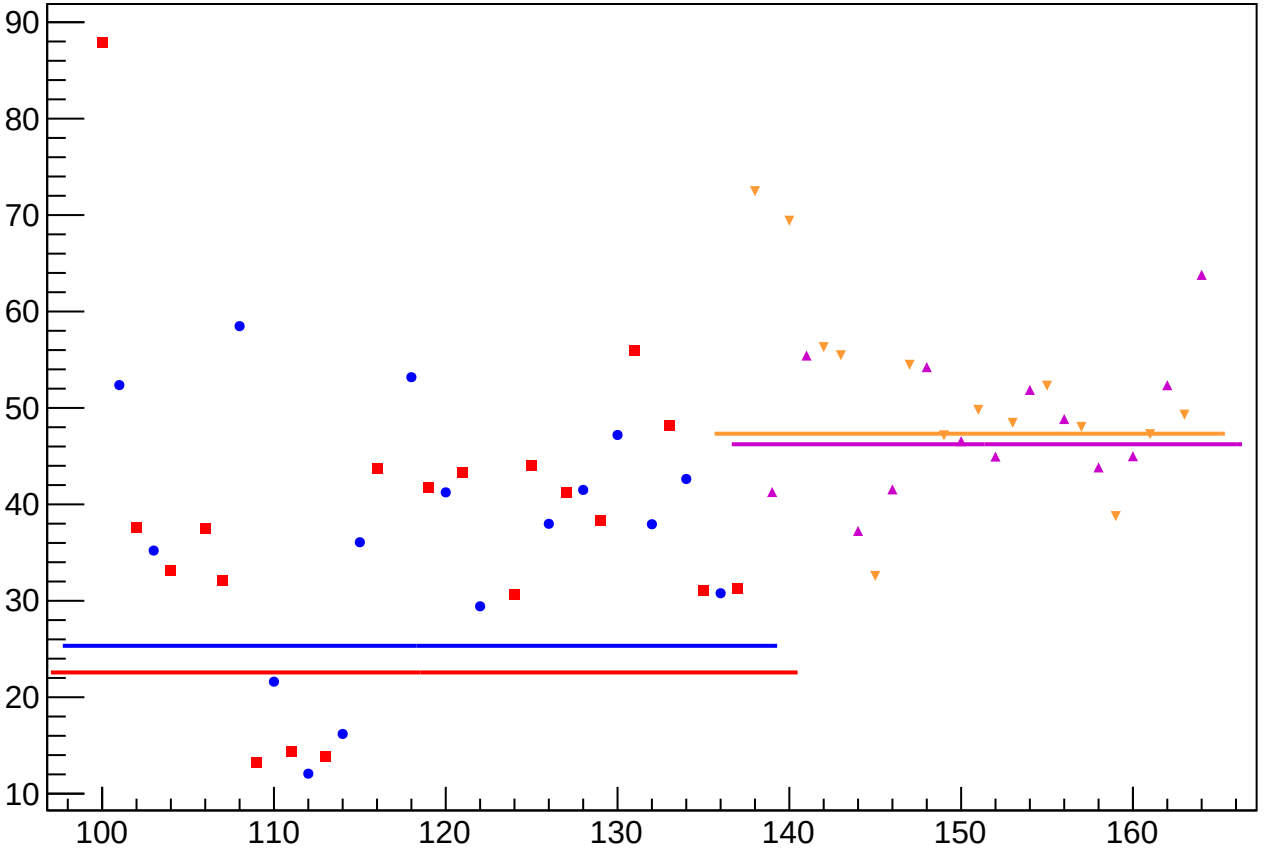
Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 70.0/61

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.329+/-0.010 χ^2/NDF:833379.2/13

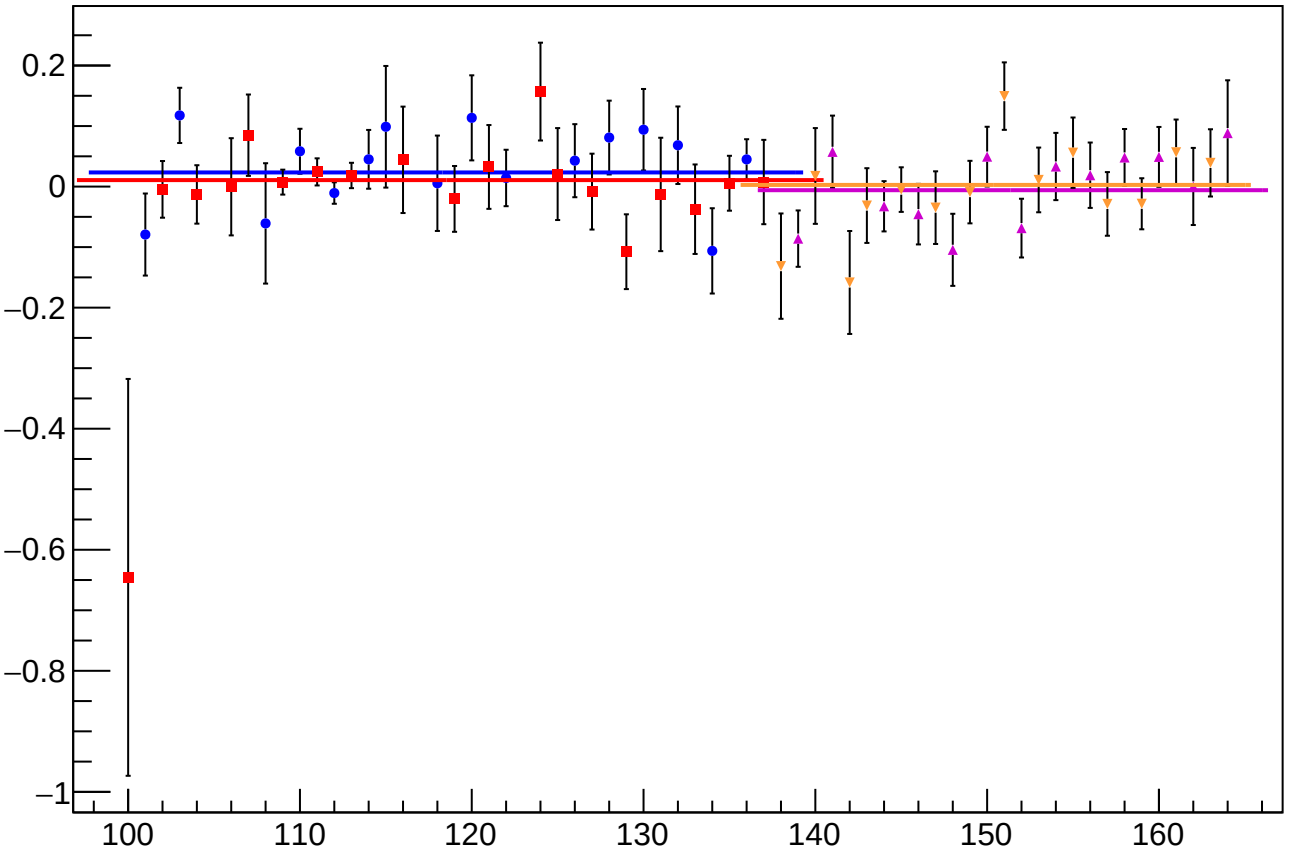
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

+ sign 33.304+/-0.006 χ^2/NDF: 6621444.7/29

All: 31.501+/-0.004 χ^2/NDF: 13913506.8/61

- 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: 0.003+/-0.015 χ^2/NDF:16.9/13

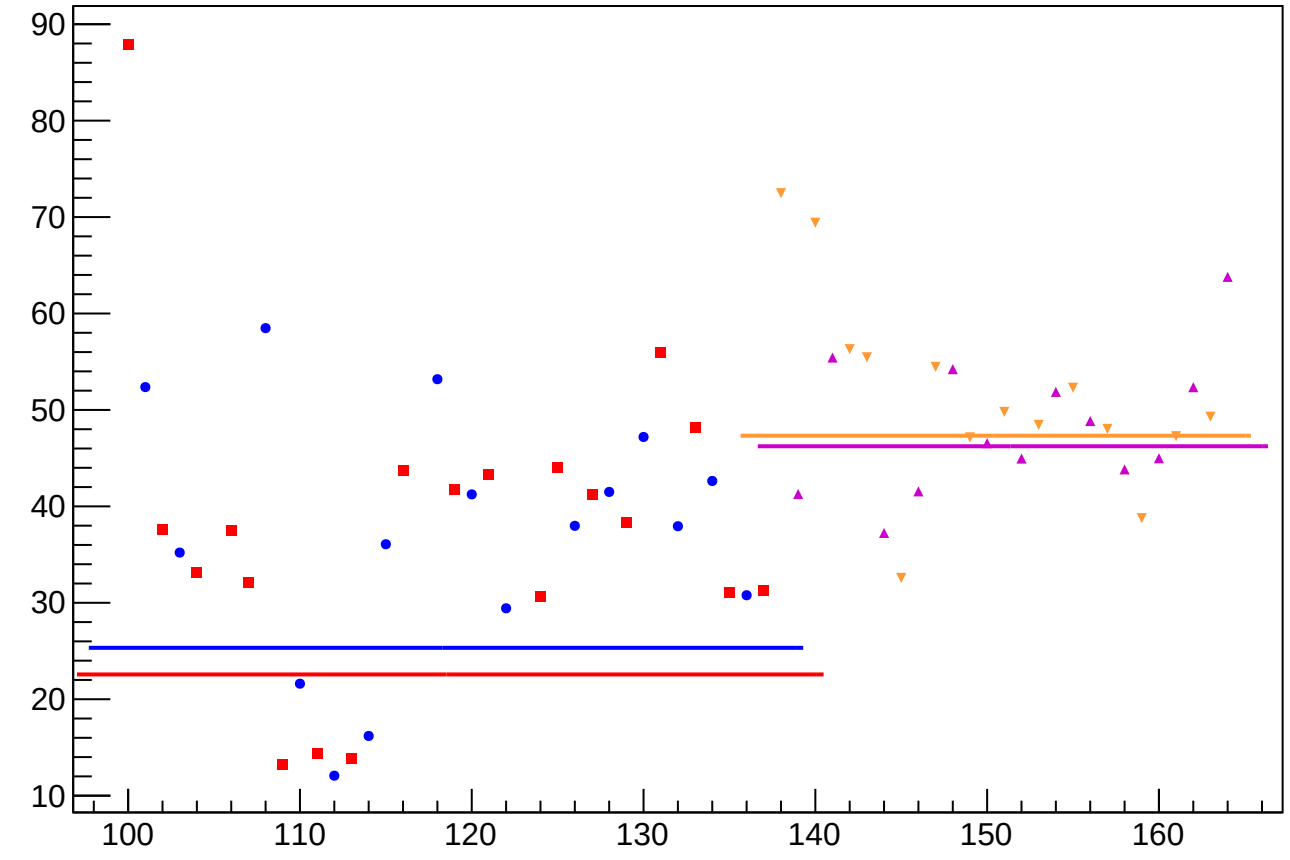
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 70.0/61

- 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: 47.329+/-0.010 χ^2/NDF:833379.2/13

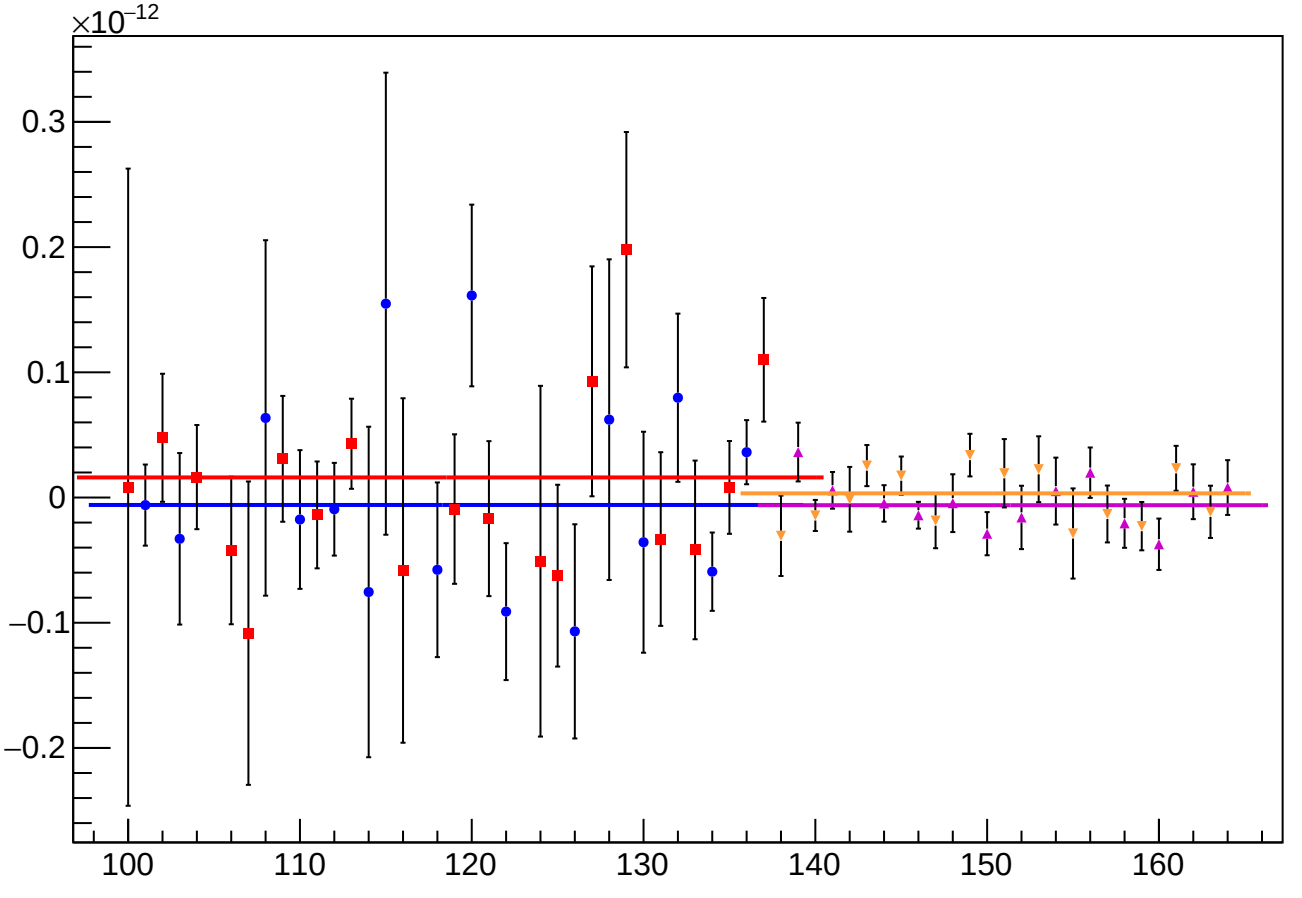
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

+ sign 33.304+/-0.006 χ^2/NDF: 6621444.7/29

All: 31.501+/-0.004 χ^2/NDF: 13913506.8/61

- 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:15.8/13

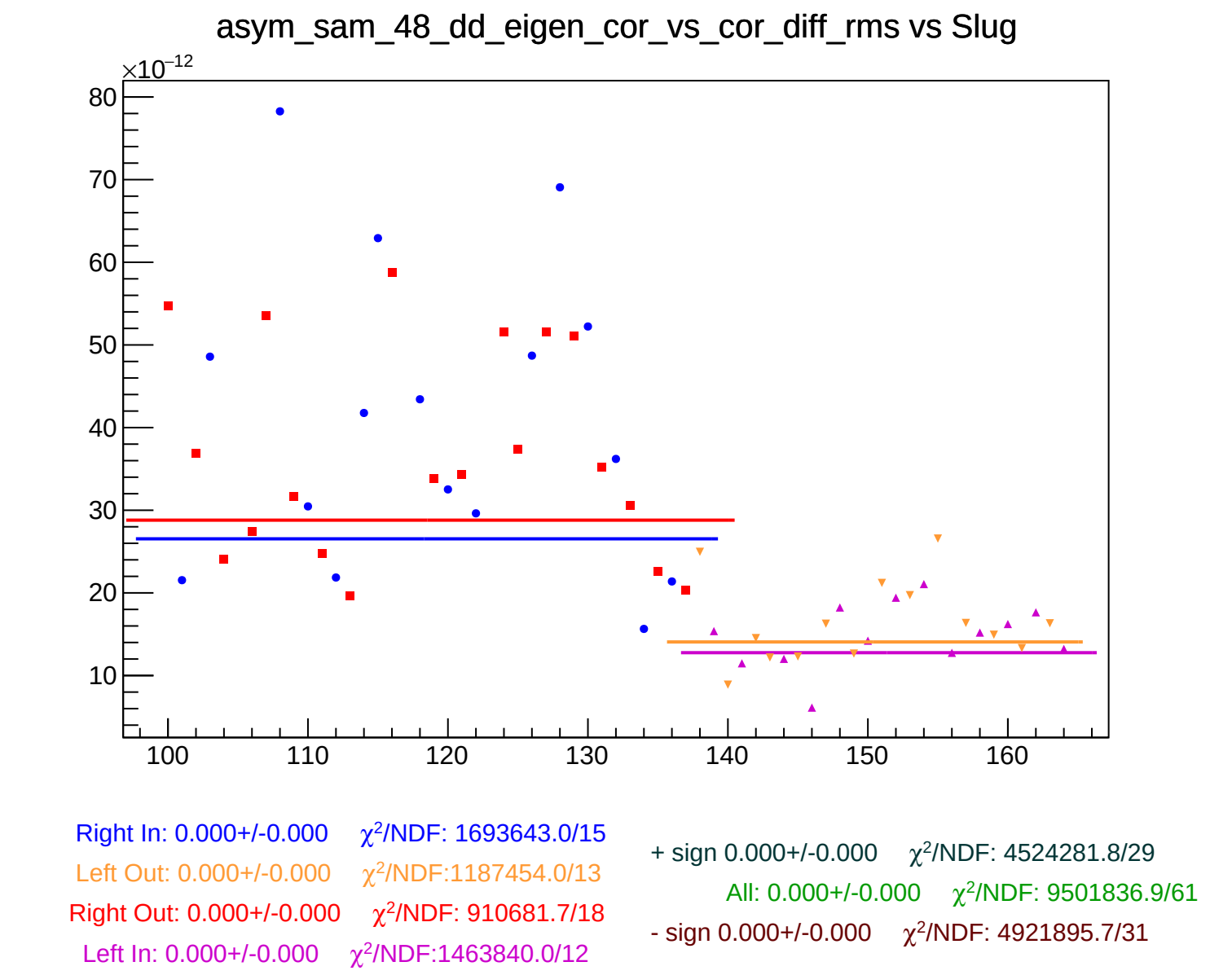
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/12

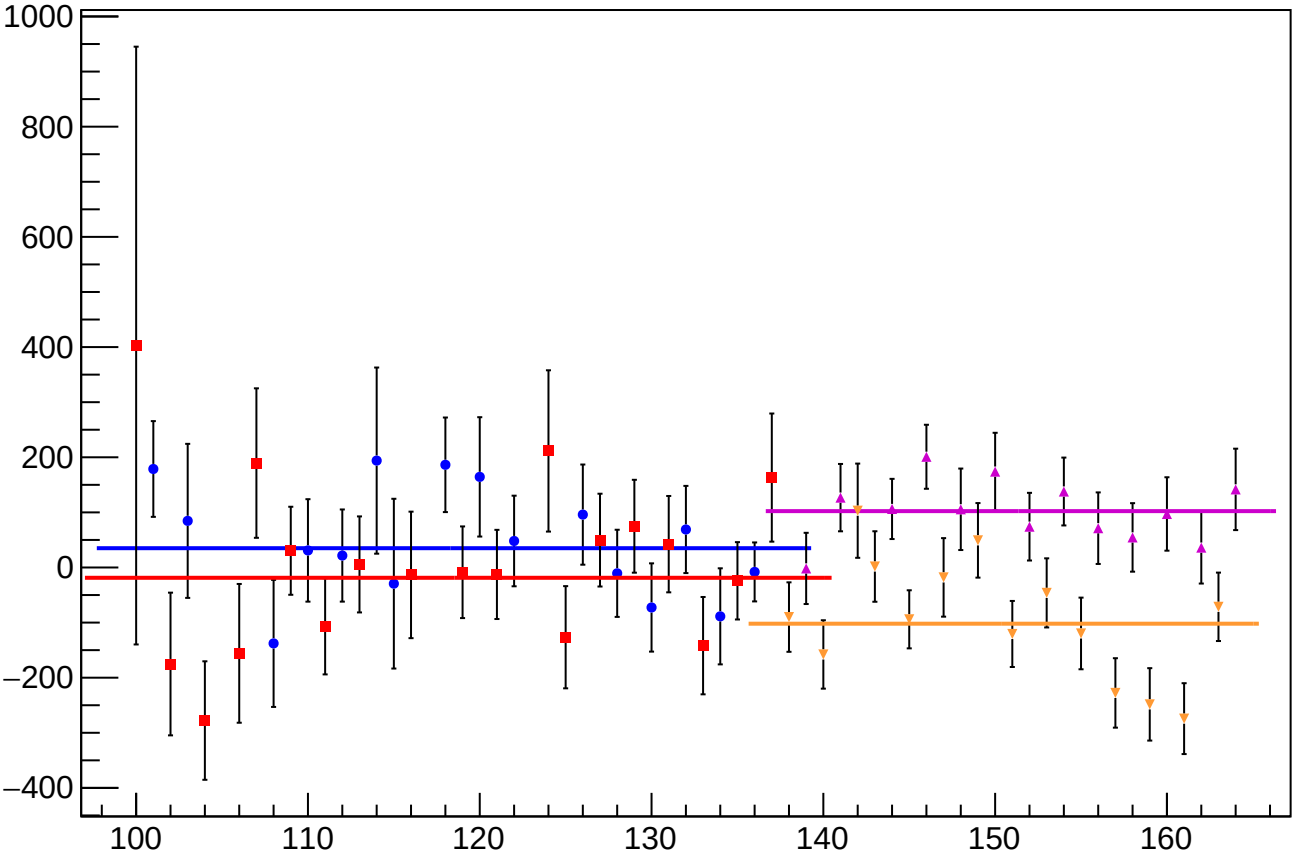
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/29

All: -0.000+/-0.000 χ^2/NDF: 64.9/61

- sign -0.000+/-0.000 χ^2/NDF: 29.2/31


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1187454.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1463840.0/12
+ sign 0.000+/-0.000 χ²/NDF: 4524281.8/29
All: 0.000+/-0.000 χ²/NDF: 9501836.9/61
- sign 0.000+/-0.000 χ²/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: -102.014+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

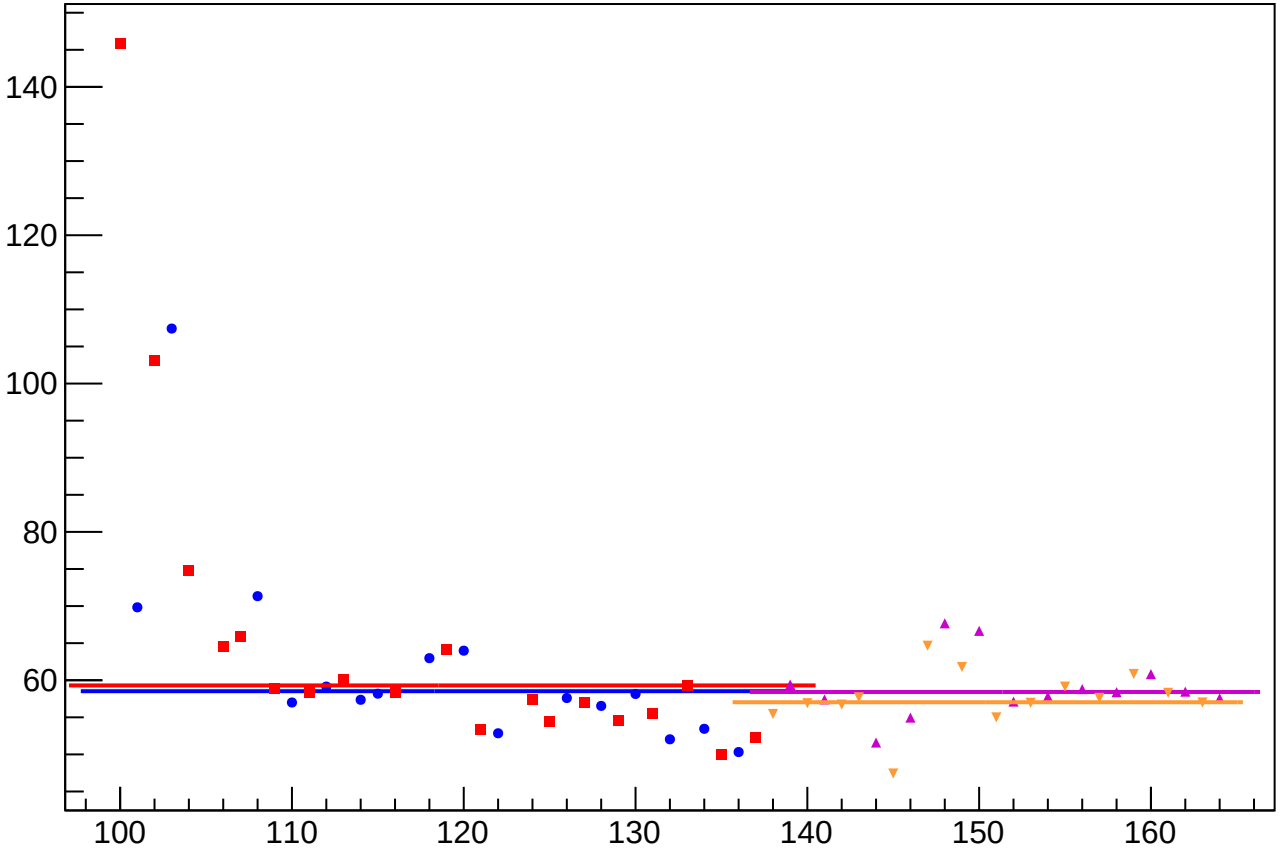
Left In: 102.290+/-17.700 χ^2/NDF:9.4/12

\+ sign -50.812+/-13.530 χ^2/NDF: 73.2/29

All: 1.011+/-9.670 χ^2/NDF: 154.2/61

\- 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: 57.036+/-0.012 χ^2/NDF:112865.5/13

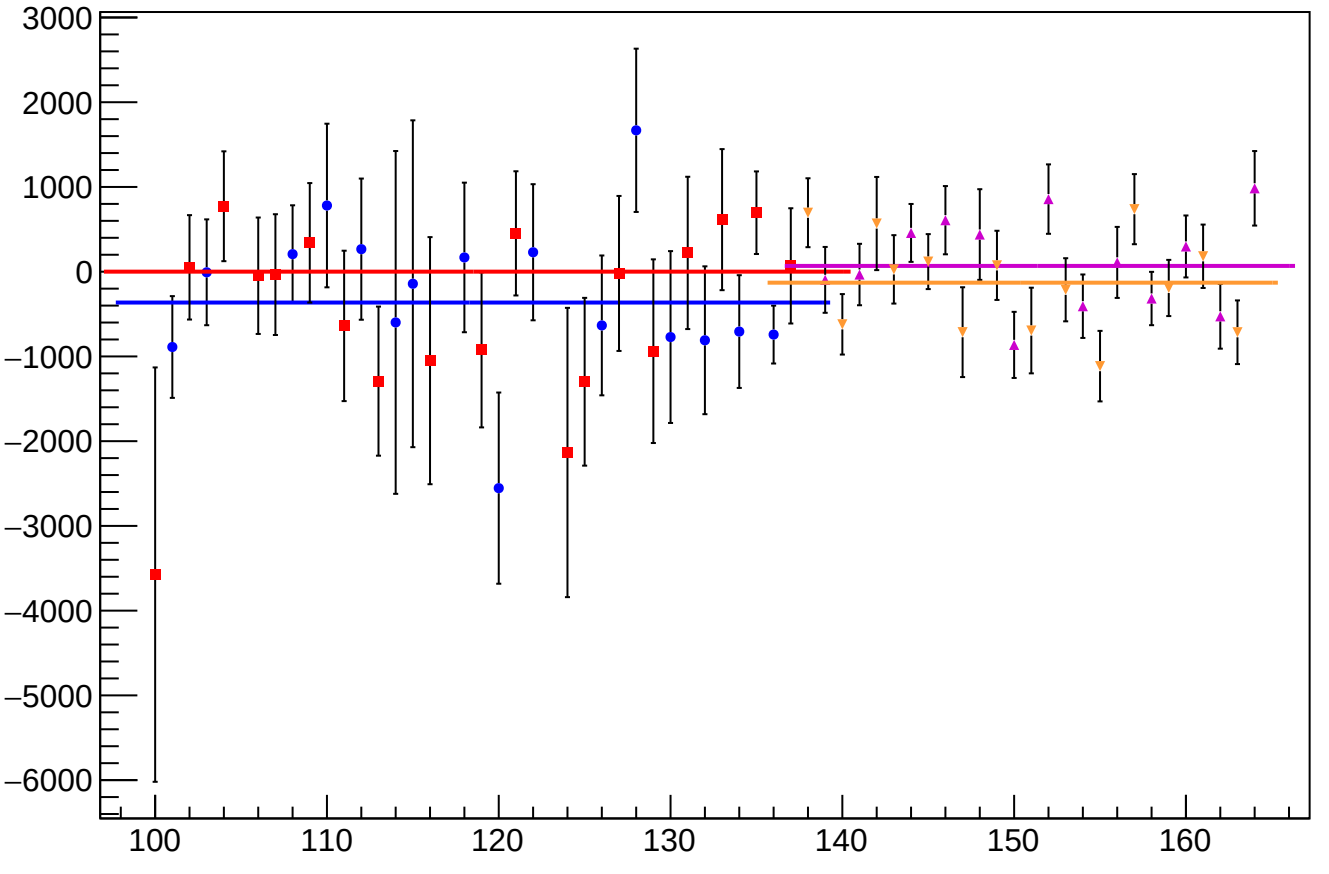
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

+ sign 57.591+/-0.010 χ^2/NDF: 511253.6/29

All: 58.164+/-0.007 χ^2/NDF: 1029202.2/61

- 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: -129.661+/-106.312 χ^2/NDF:24.3/13

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

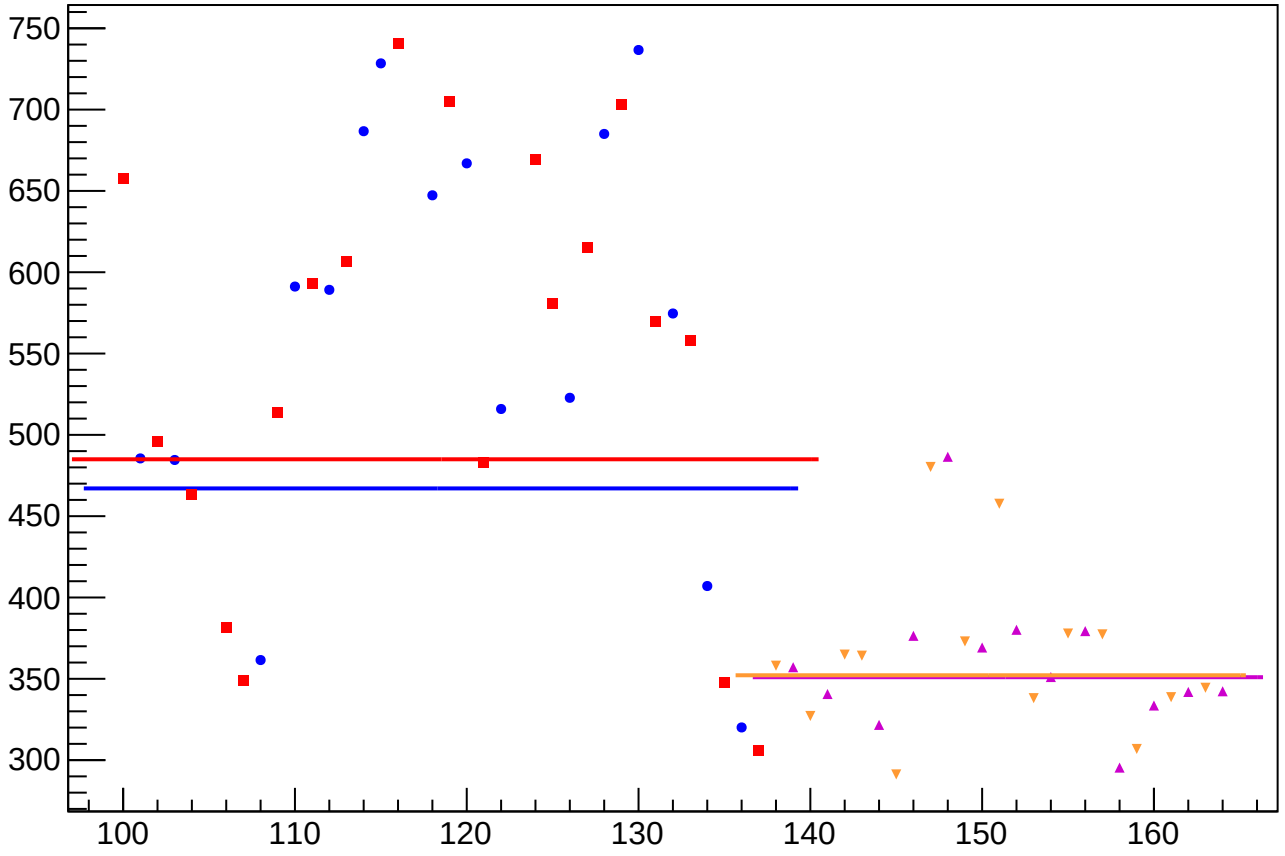
Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -189.986+/-91.617 χ^2/NDF: 40.8/29

All: -70.451+/-65.040 χ^2/NDF: 82.9/61

- 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: 352.175+/-0.075 χ^2/NDF:351426.6/13

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

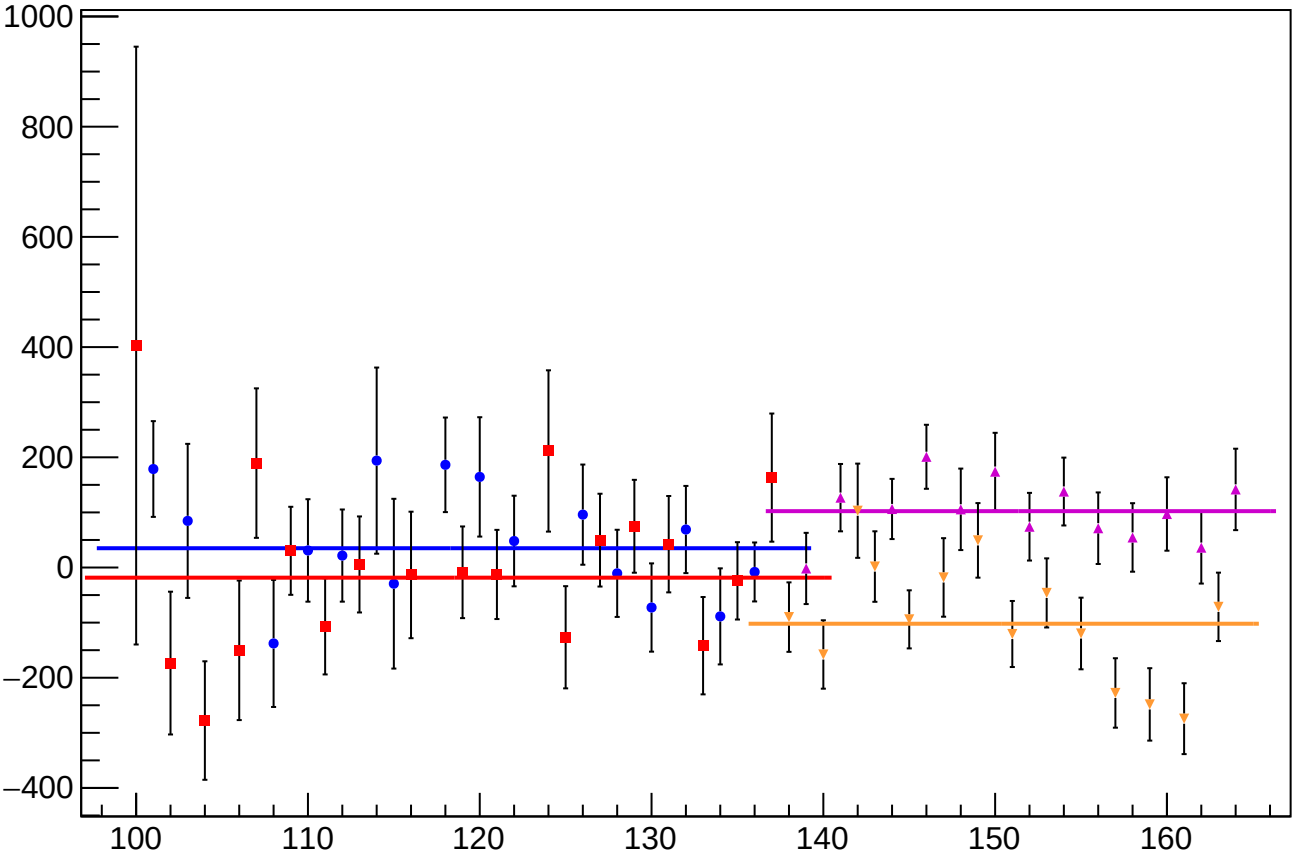
Left In: 350.982+/-0.076 χ^2/NDF:245669.9/12

+ sign 381.742+/-0.065 χ^2/NDF: 1982834.5/29

All: 383.395+/-0.046 χ^2/NDF: 3902700.0/61

- 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: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

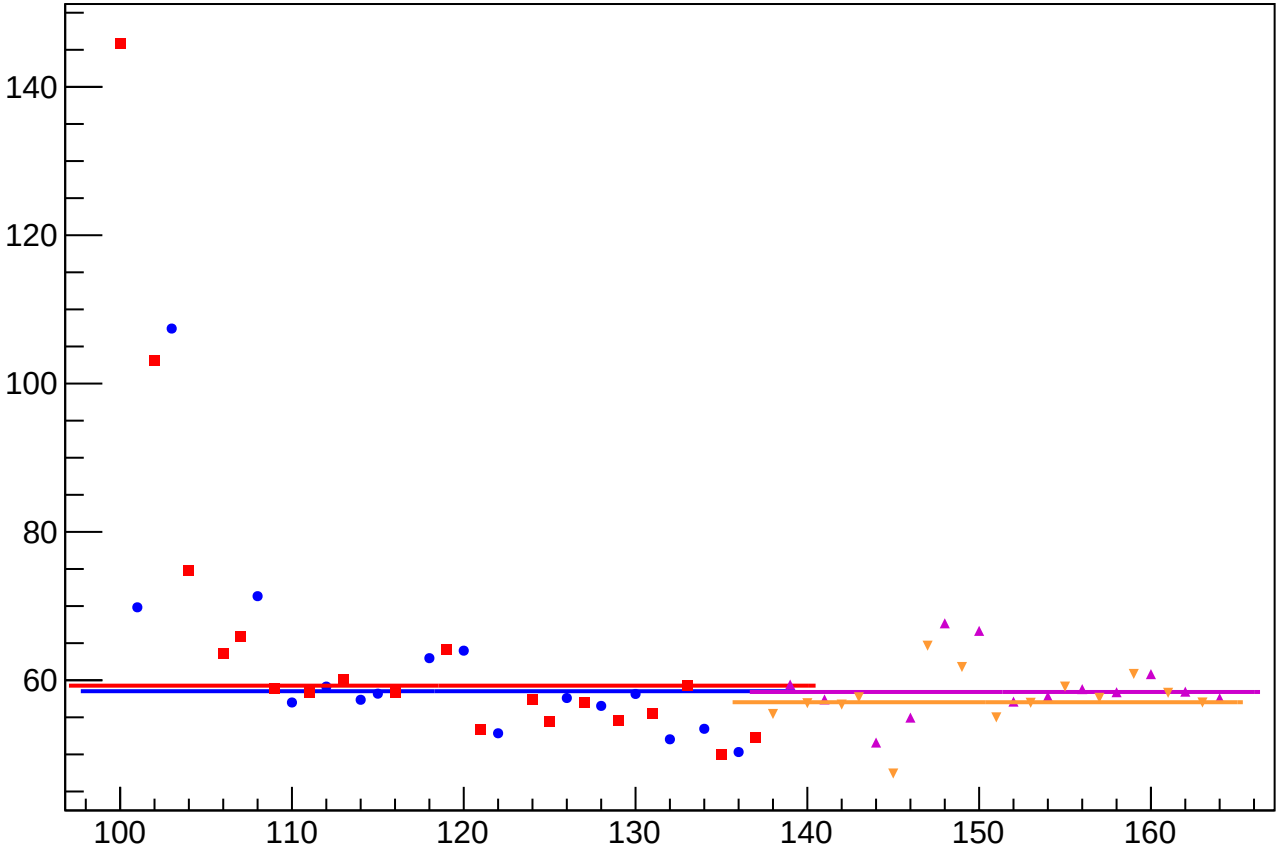
Left In: 102.291+/-17.700 χ^2/NDF:9.4/12

\+ sign -50.811+/-13.530 χ^2/NDF: 73.2/29

All: 1.065+/-9.670 χ^2/NDF: 154.1/61

\- 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: 57.036+/-0.012 χ^2/NDF:112865.5/13

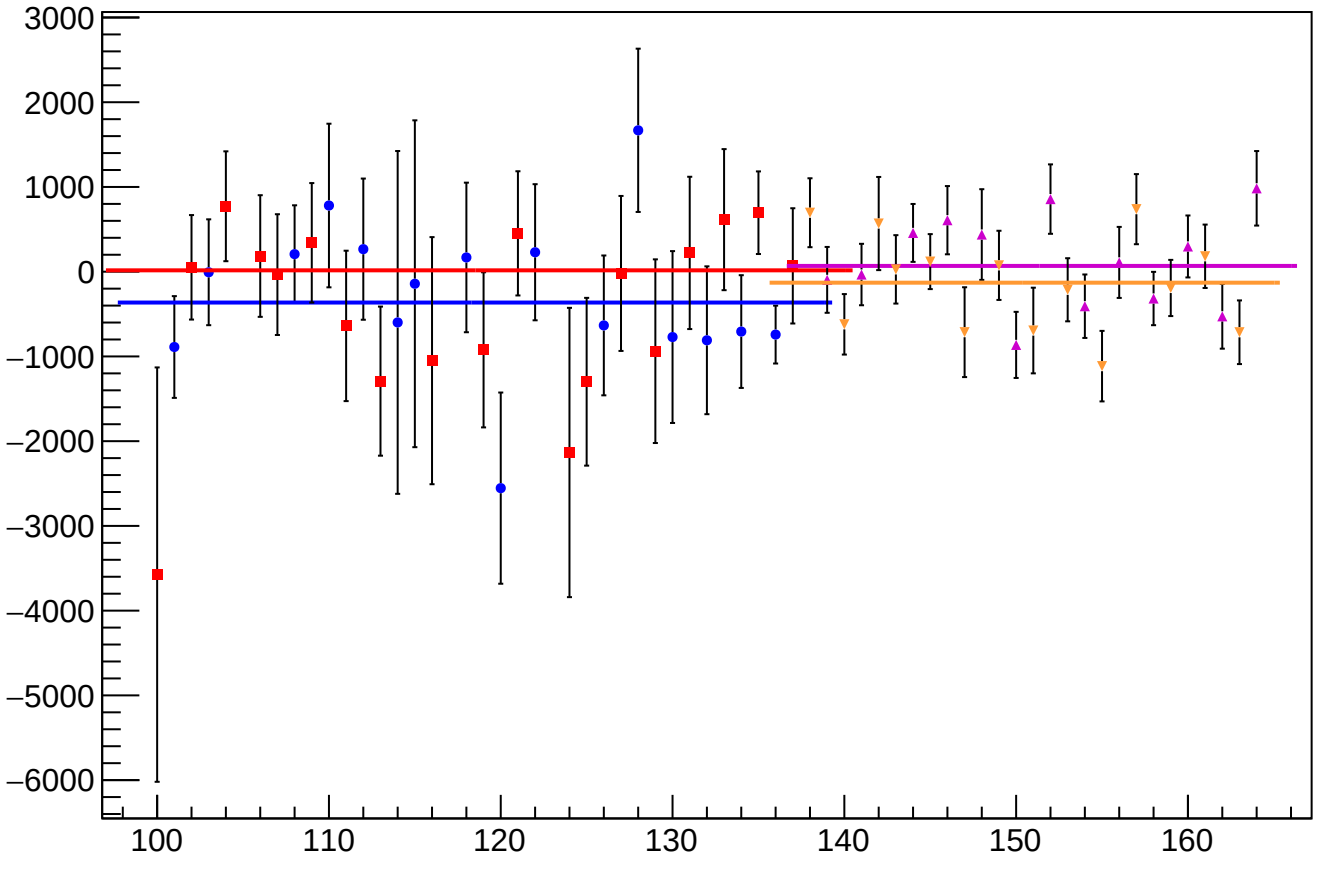
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

+ sign 57.591+/-0.010 χ^2/NDF: 511255.7/29

All: 58.158+/-0.007 χ^2/NDF: 1027915.1/61

- 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: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

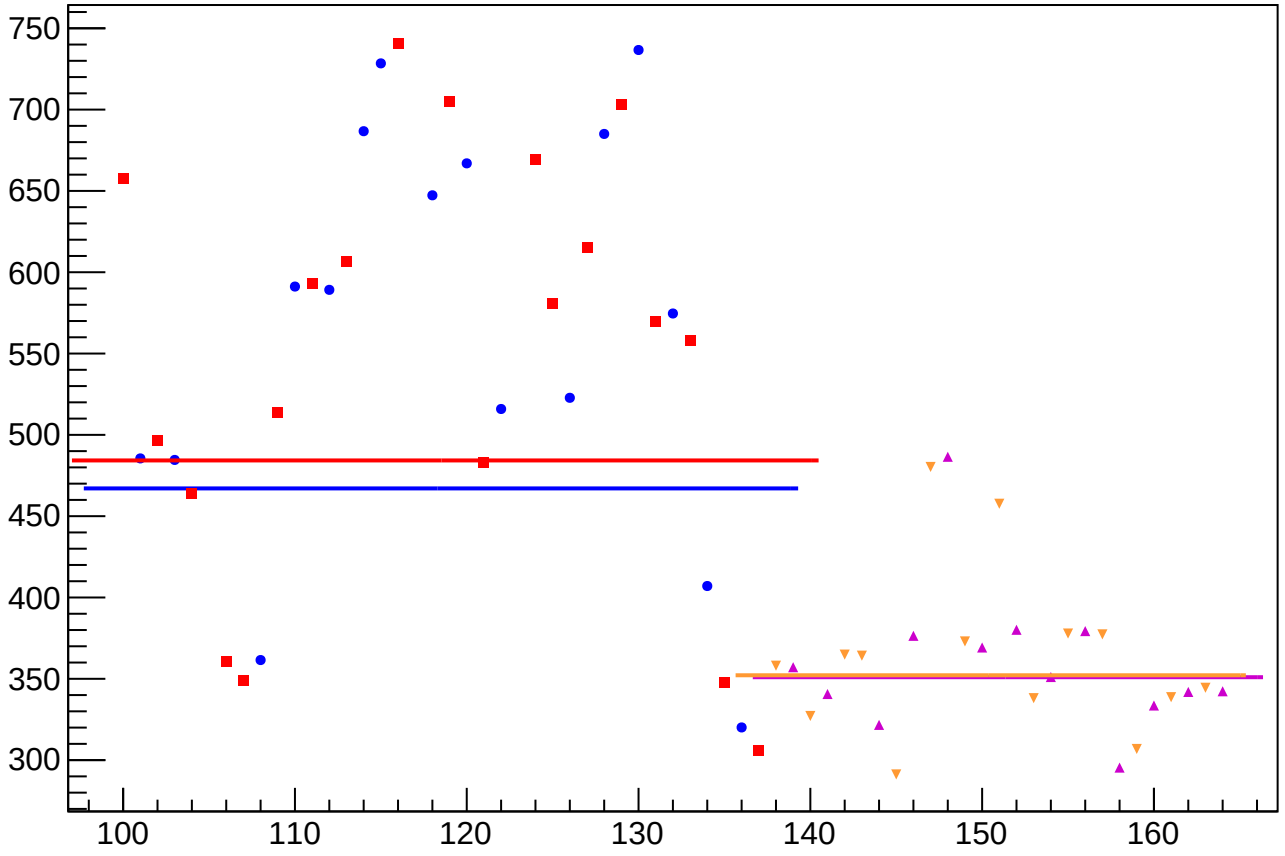
Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -189.976+/-91.617 χ^2/NDF: 40.8/29

All: -68.553+/-65.065 χ^2/NDF: 83.0/61

- 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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

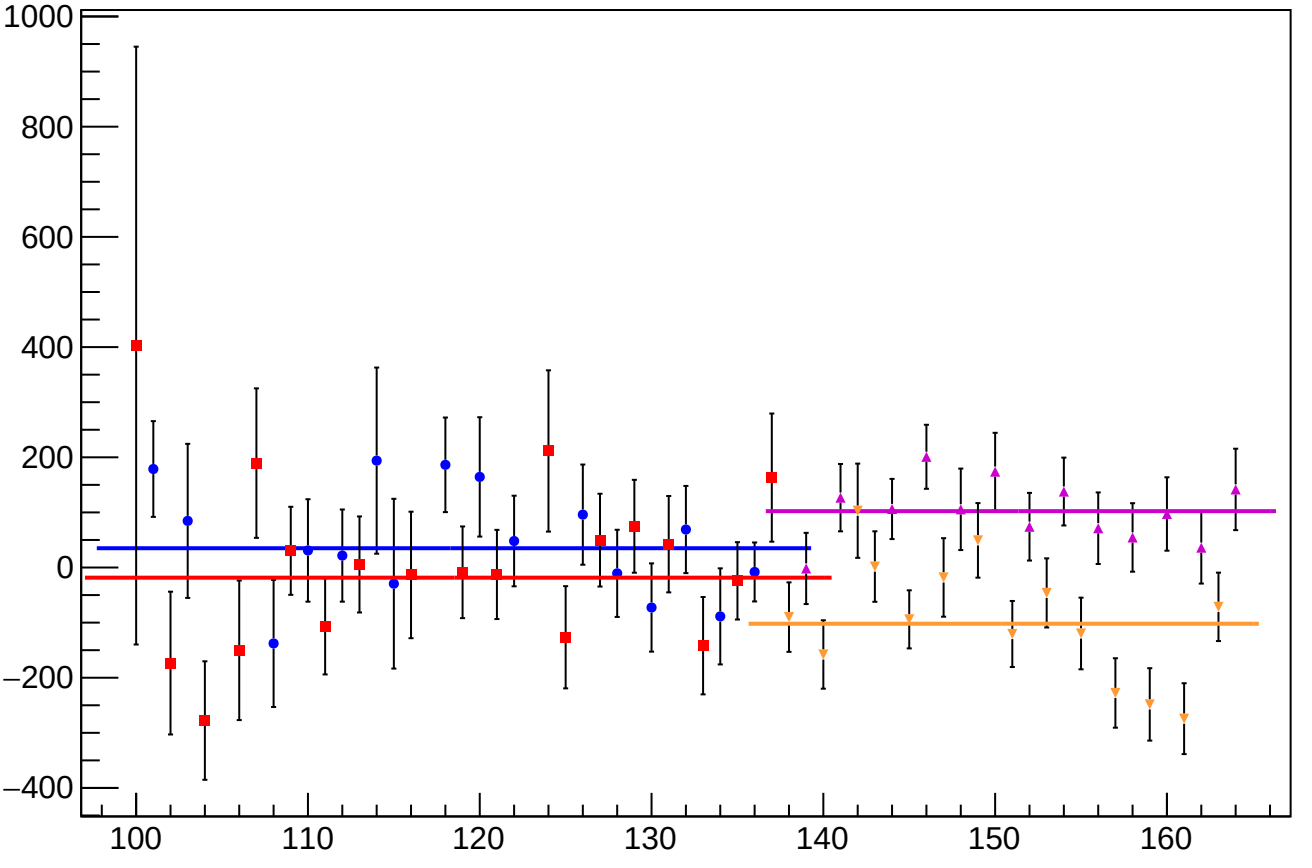
Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

+ sign 381.742+/-0.065 χ^2/NDF: 1982859.3/29

All: 383.227+/-0.046 χ^2/NDF: 3905119.7/61

- 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: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

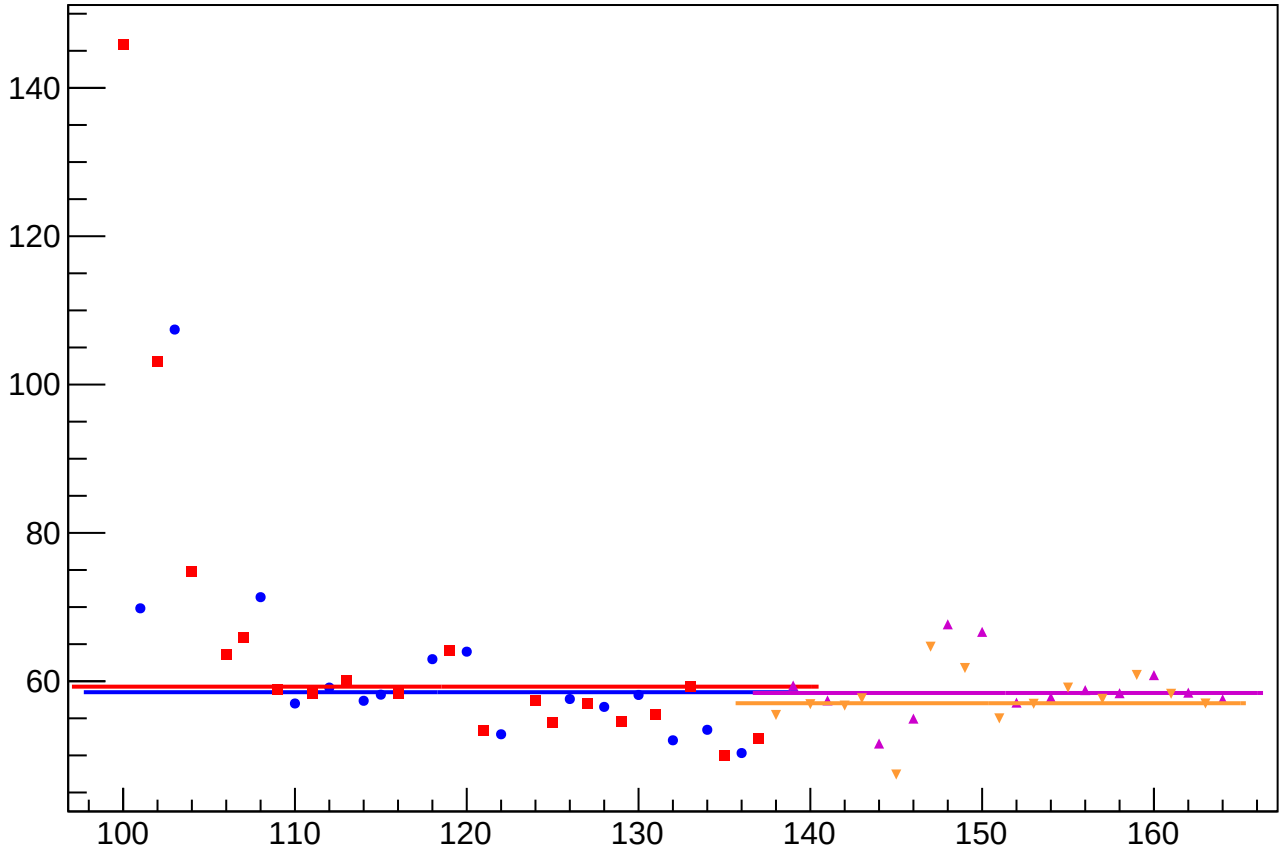
Left In: 102.291+/-17.700 χ^2/NDF:9.4/12

+ sign -50.811+/-13.530 χ^2/NDF: 73.2/29

All: 1.065+/-9.670 χ^2/NDF: 154.1/61

- 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: 57.036+/-0.012 χ^2/NDF:112865.5/13

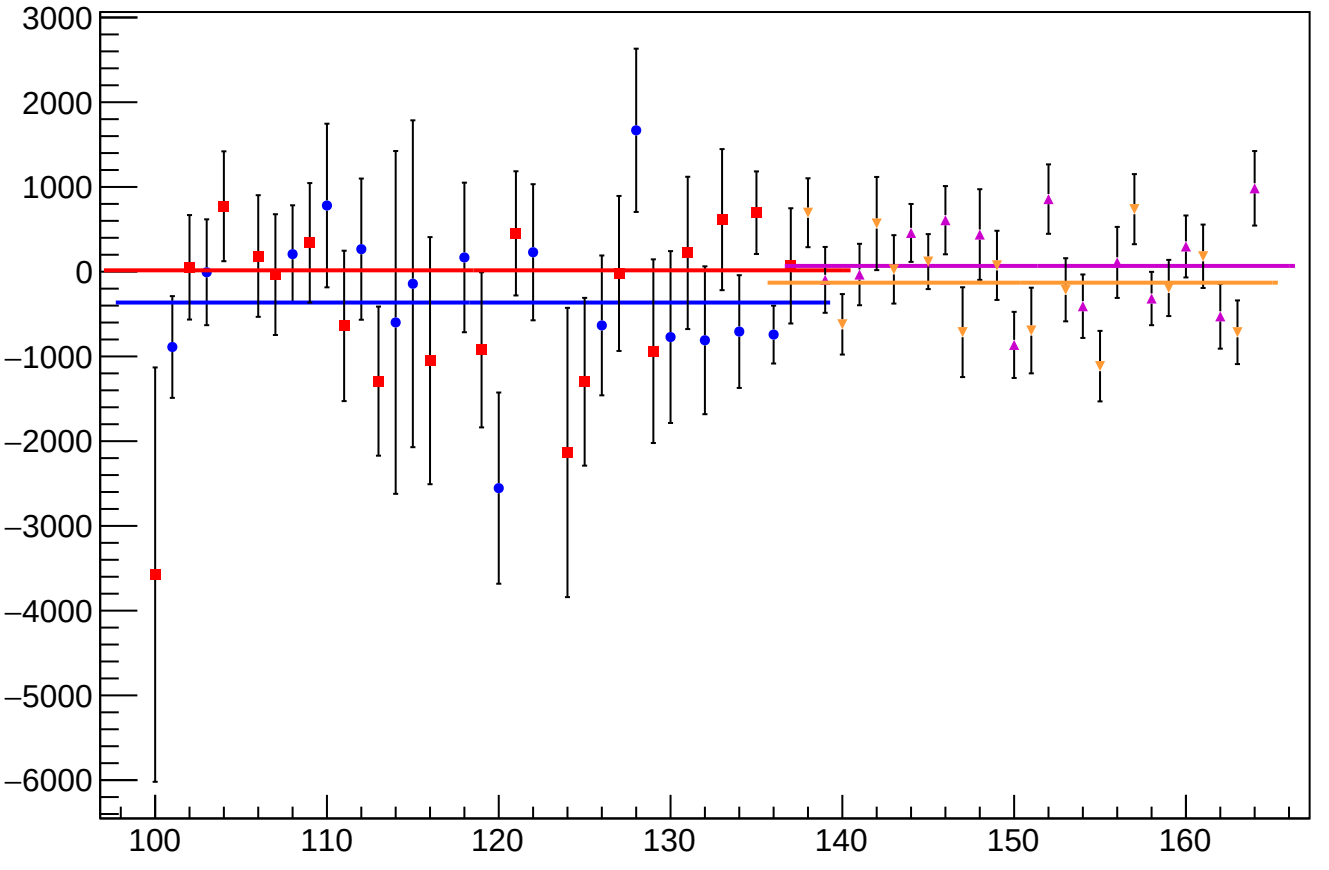
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

+ sign 57.591+/-0.010 χ^2/NDF: 511255.7/29

All: 58.158+/-0.007 χ^2/NDF: 1027915.1/61

- 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: -129.660+/-106.312 χ^2/NDF:24.3/13

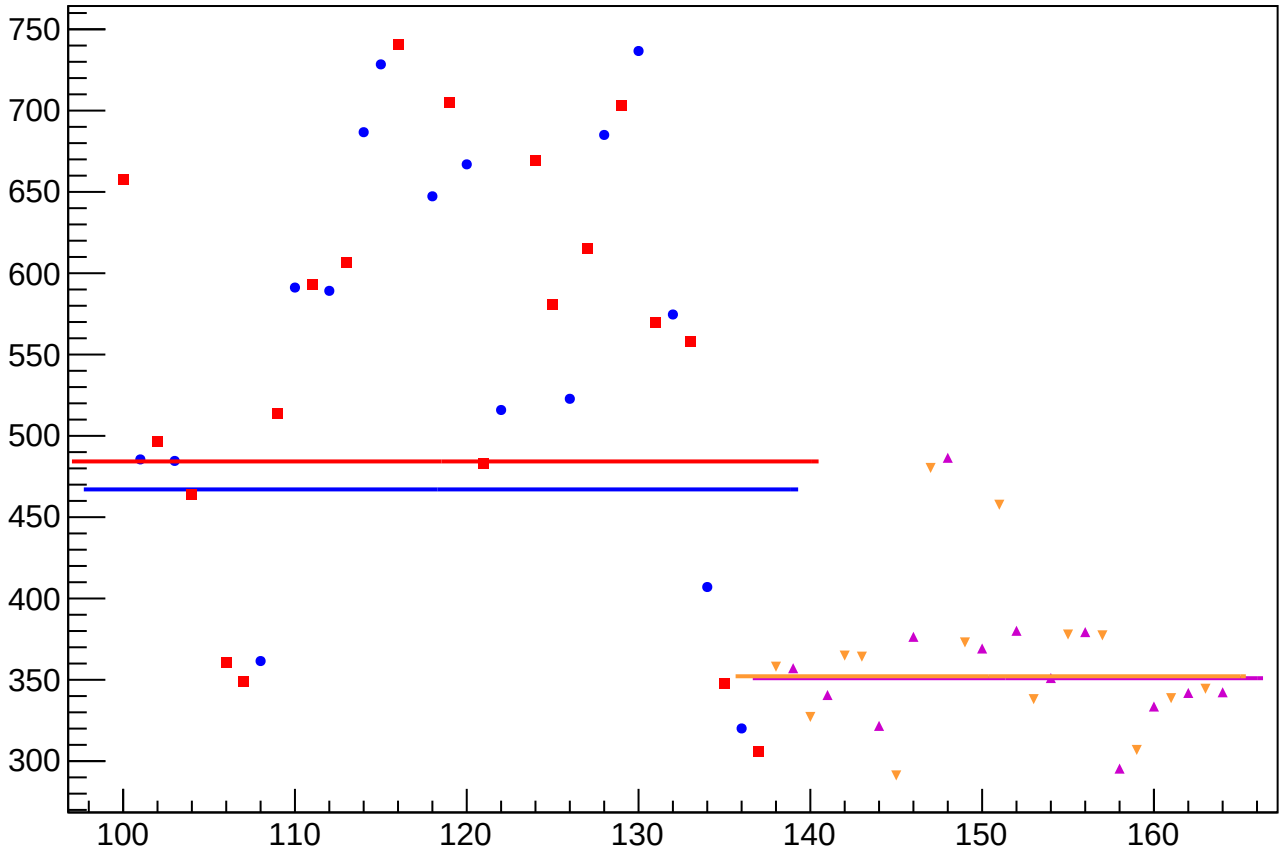
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -189.976+/-91.617 χ^2/NDF: 40.8/29

All: -68.553+/-65.065 χ^2/NDF: 83.0/61

- 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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

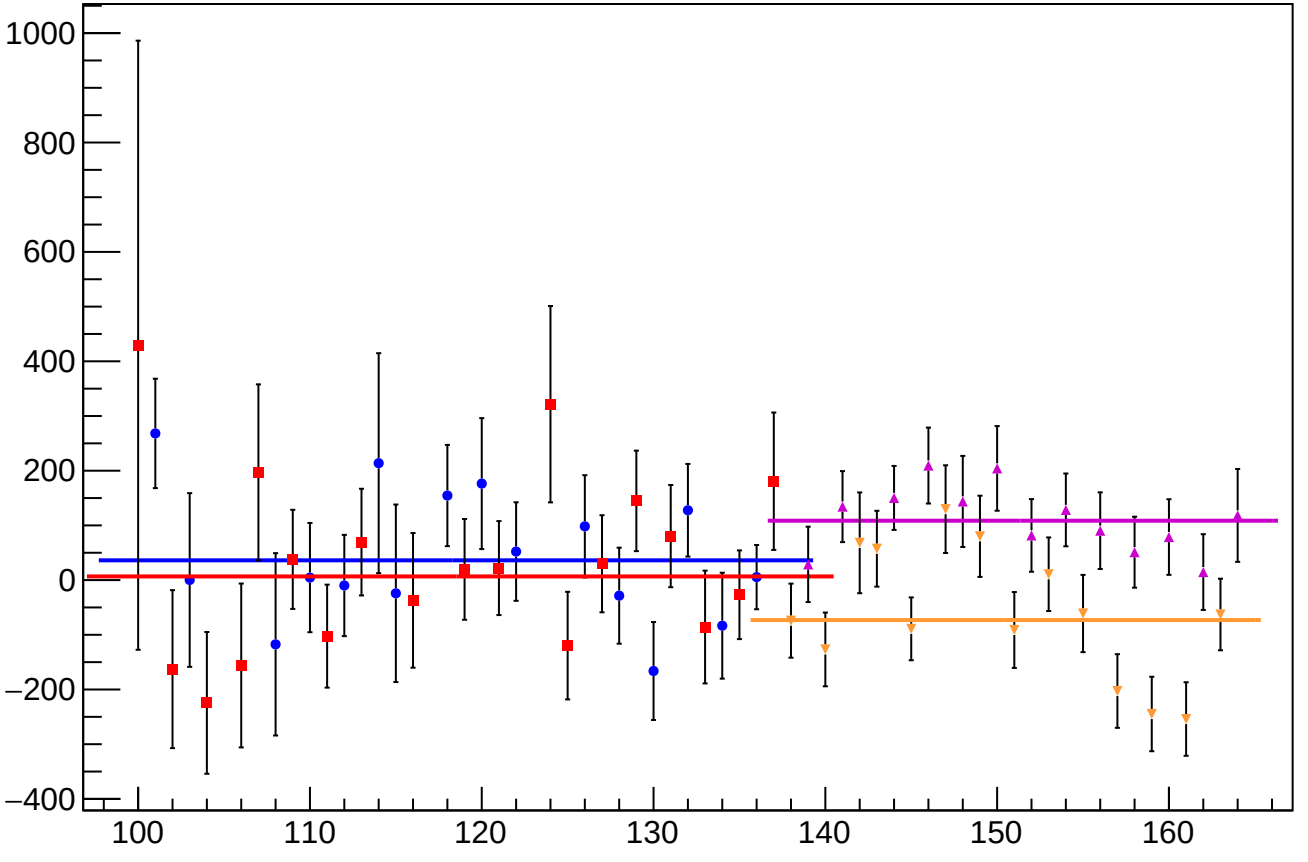
Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

+ sign 381.742+/-0.065 χ^2/NDF: 1982859.3/29

All: 383.227+/-0.046 χ^2/NDF: 3905119.7/61

- 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: -73.038+/-18.492 χ^2/NDF:36.2/13

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

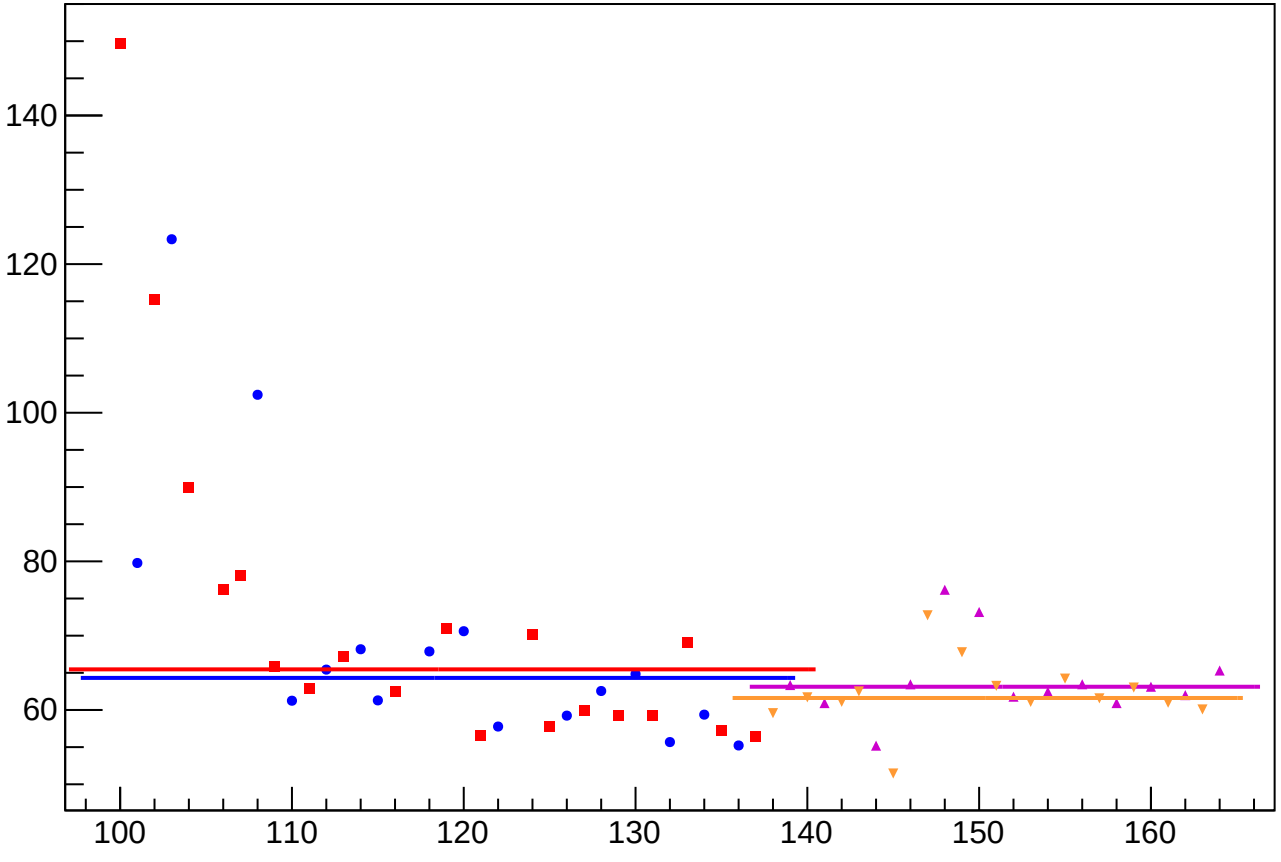
Left In: 108.573+/-19.210 χ^2/NDF:9.0/12

\+ sign -33.349+/-14.753 χ^2/NDF: 68.6/29

All: 16.979+/-10.564 χ^2/NDF: 132.4/61

\- sign 69.927+/-15.133 χ^2/NDF: 40.0/31

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.614+/-0.013 χ^2/NDF:123169.2/13

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

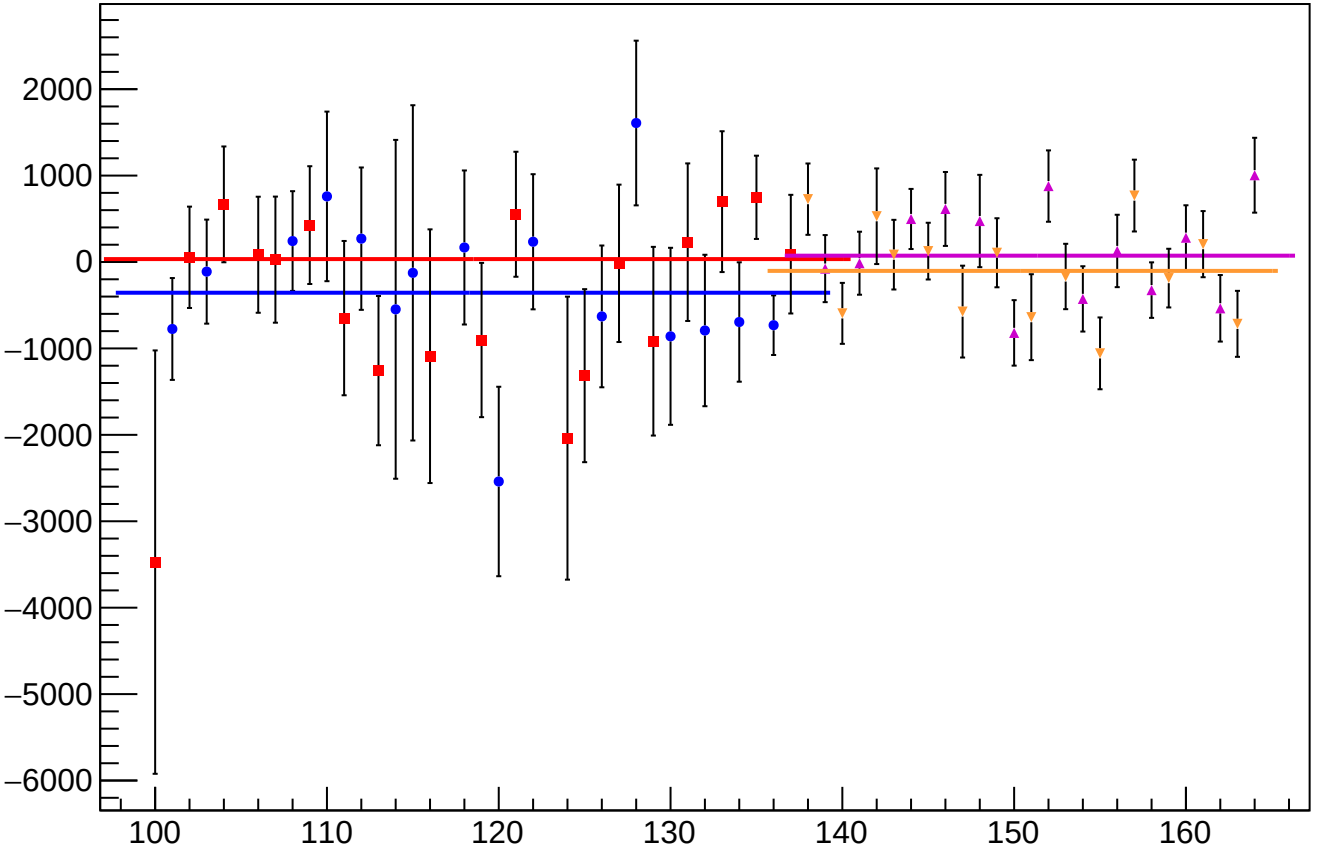
Left In: 63.126+/-0.014 χ^2/NDF:127266.9/12

+ sign 62.596+/-0.010 χ^2/NDF: 670761.7/29

All: 63.287+/-0.007 χ^2/NDF: 1300654.6/61

- 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: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

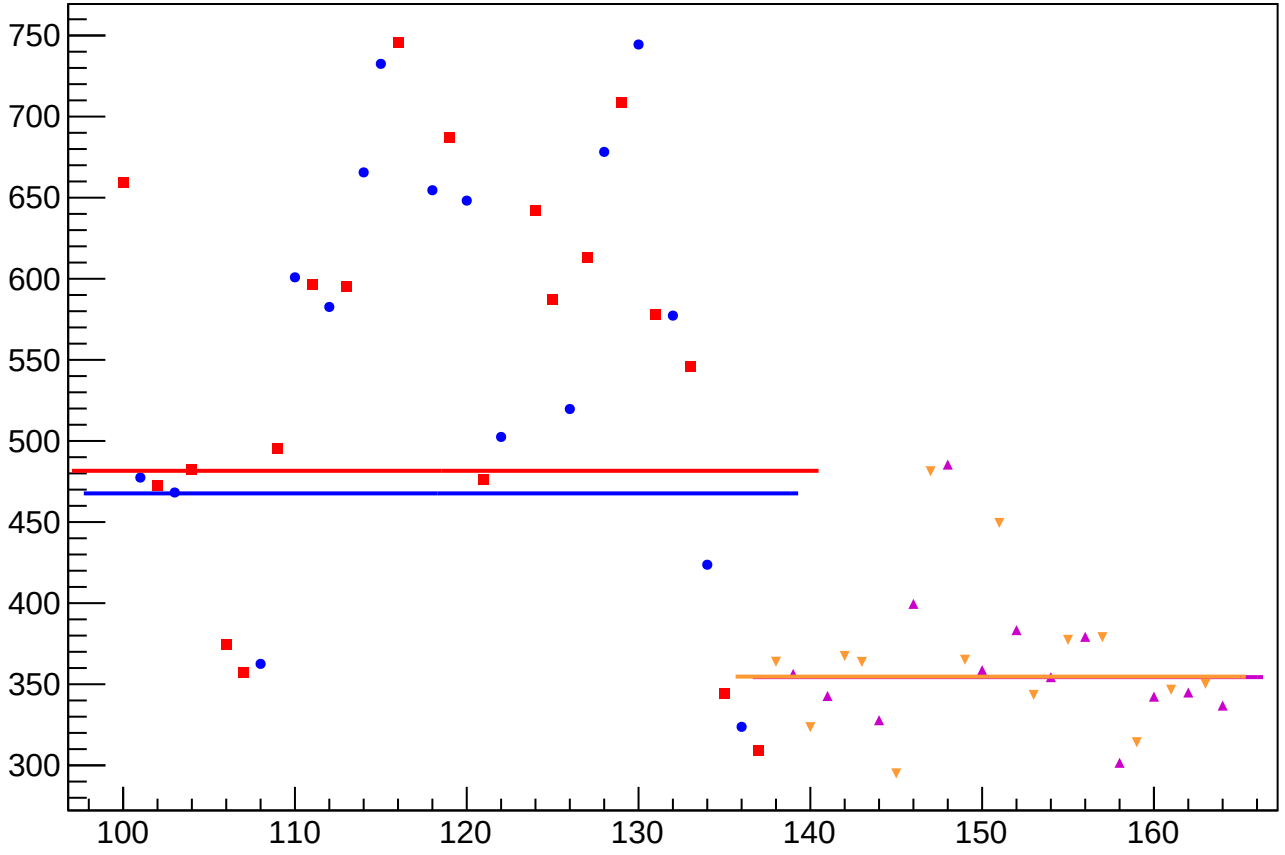
Left In: 73.240+/-107.953 χ^2/NDF:24.0/12

+ sign -168.575+/-91.998 χ^2/NDF: 39.5/29

All: -53.812+/-65.331 χ^2/NDF: 82.0/61

- 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: 354.705+/-0.076 χ^2/NDF:316462.2/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

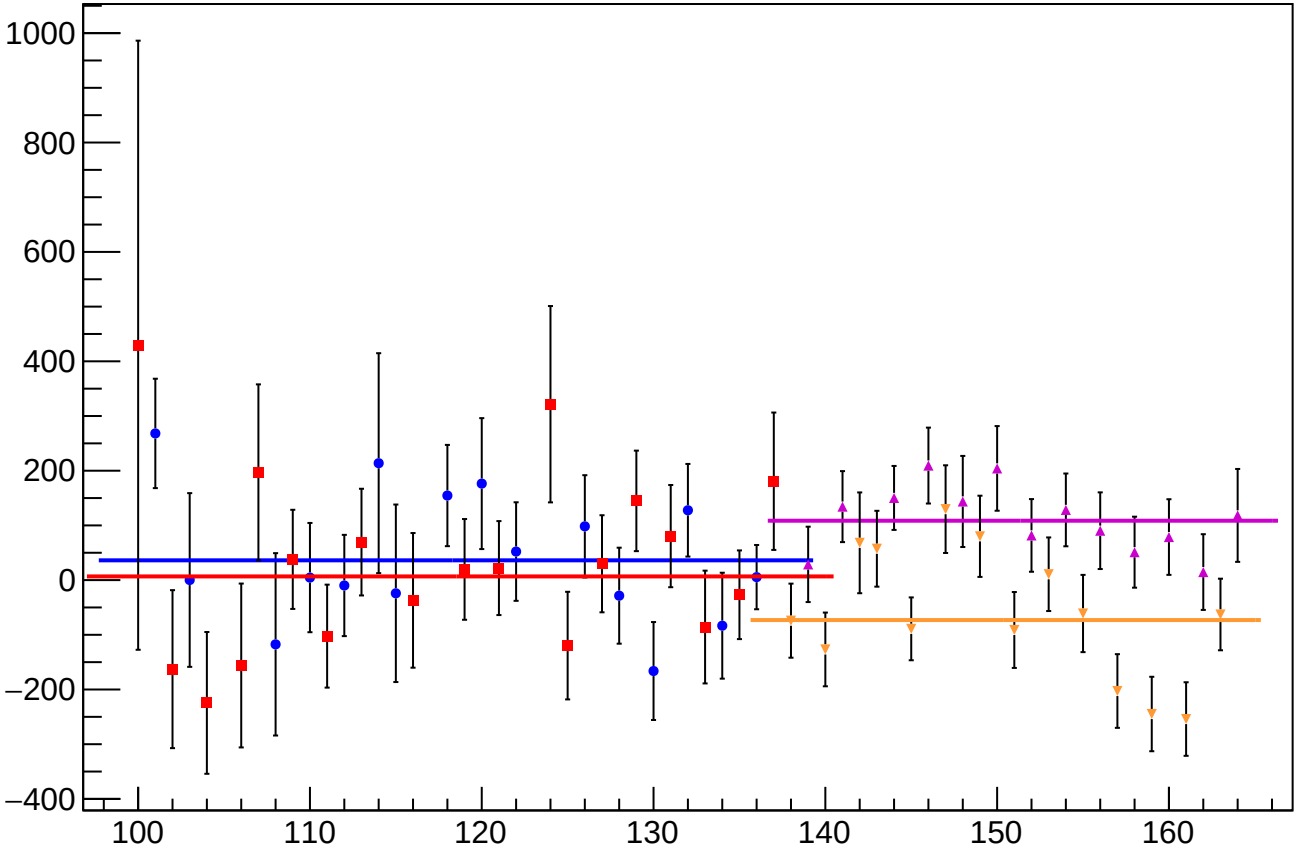
Left In: 354.388+/-0.076 χ^2/NDF:234164.1/12

\+ sign 384.106+/-0.065 χ^2/NDF: 1883005.2/29

All: 385.845+/-0.046 χ^2/NDF: 3698284.4/61

\- 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: -73.037+/-18.492 χ^2/NDF:36.2/13

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

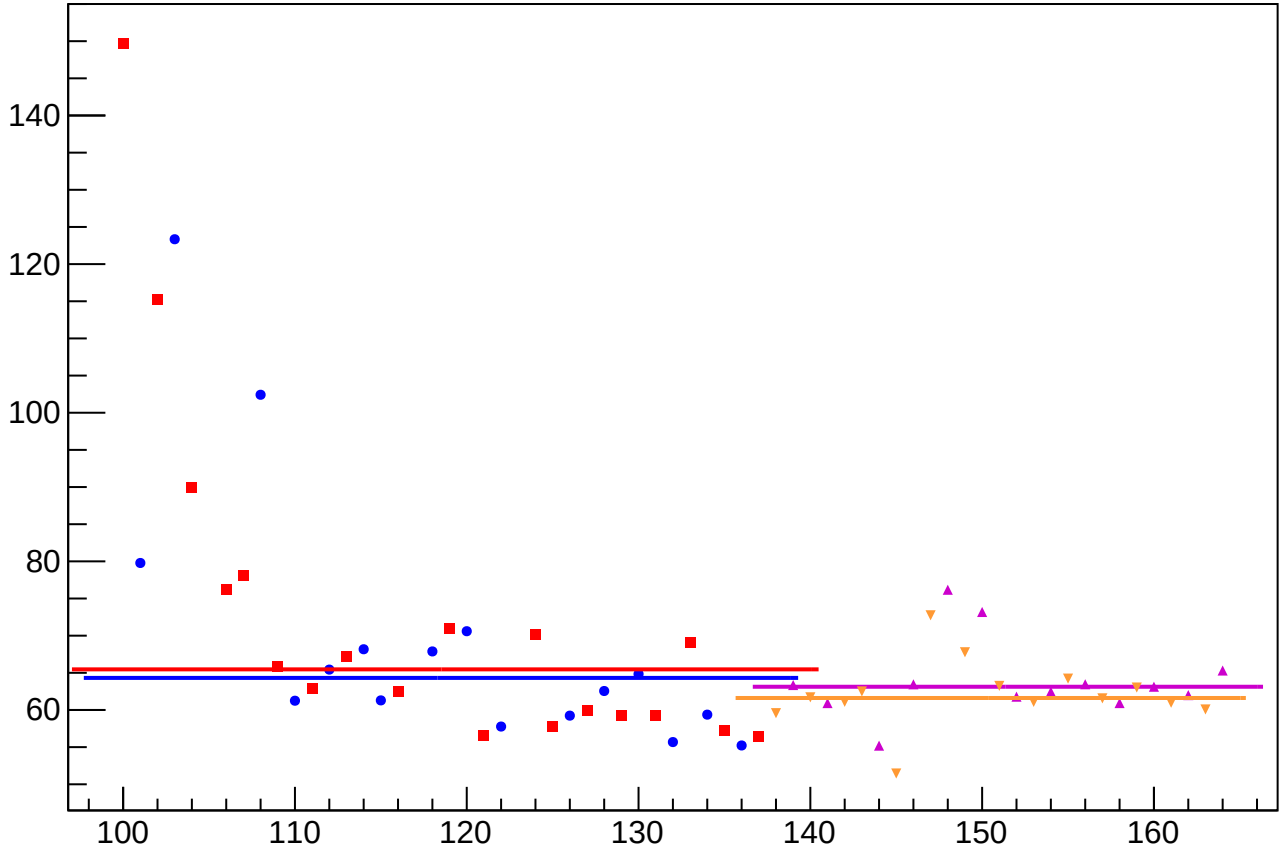
Left In: 108.573+/-19.210 χ^2/NDF:9.0/12

\+ sign -33.348+/-14.753 χ^2/NDF: 68.6/29

All: 16.980+/-10.564 χ^2/NDF: 132.4/61

\- 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: 61.614+/-0.013 χ^2/NDF:123172.6/13

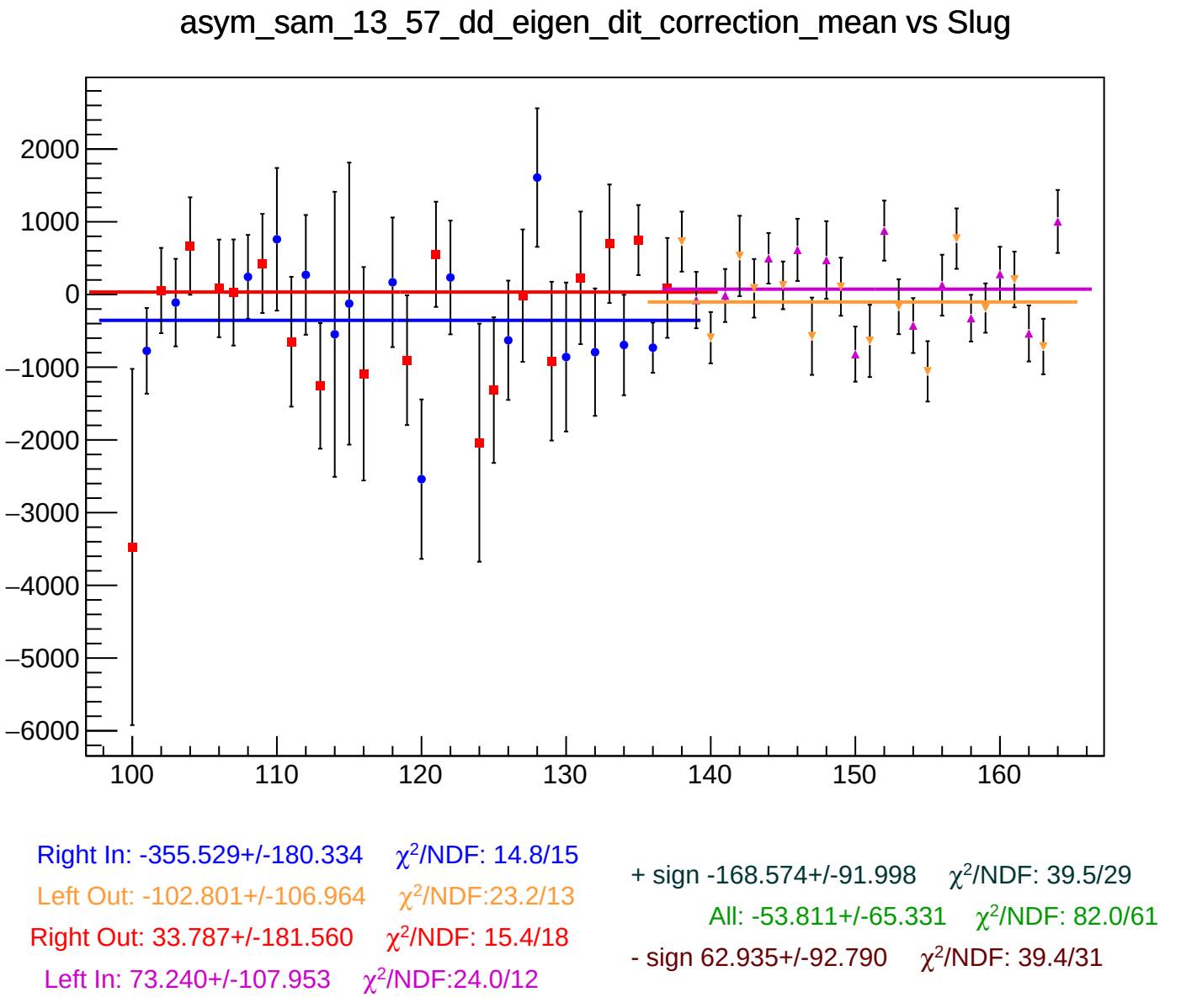
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.126+/-0.014 χ^2/NDF:127269.9/12

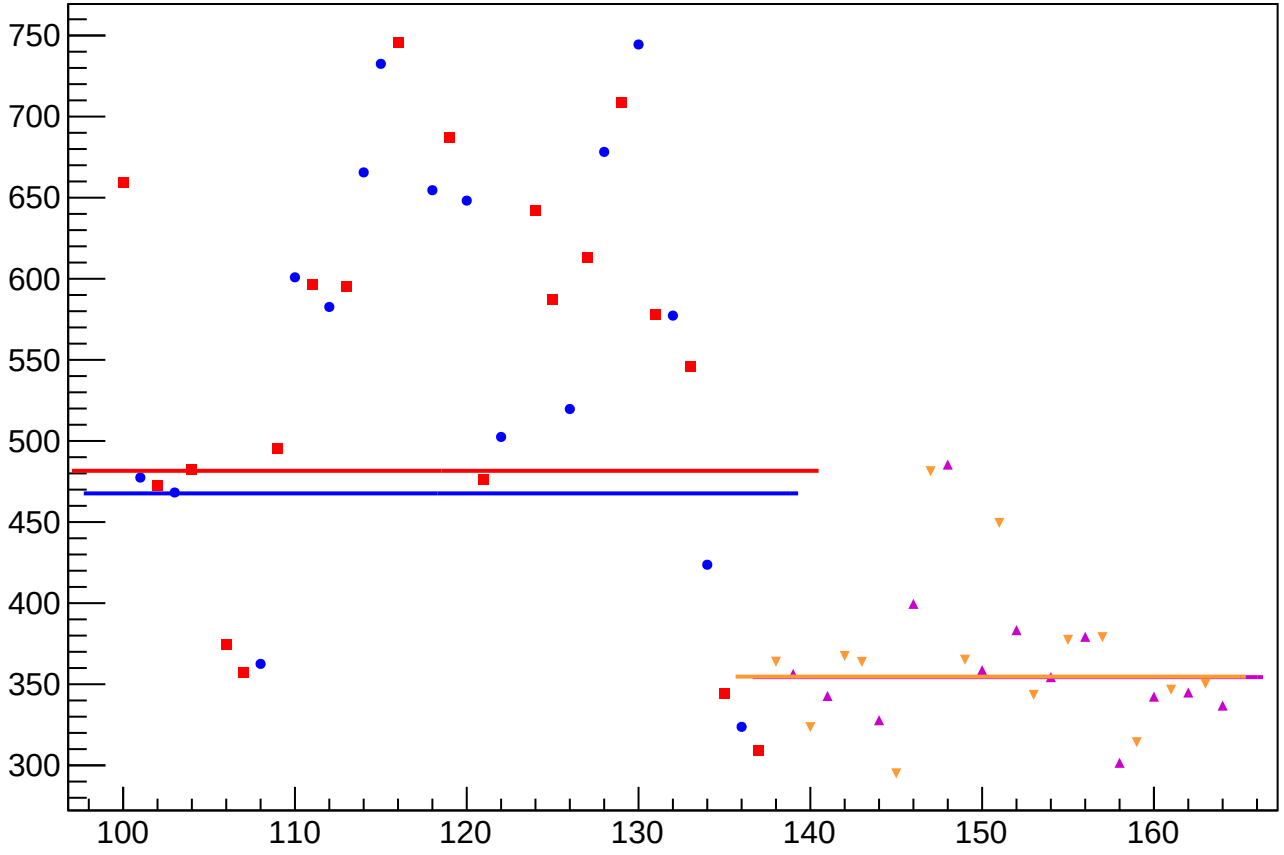
+ sign 62.596+/-0.010 χ^2/NDF: 670771.7/29

All: 63.287+/-0.007 χ^2/NDF: 1300672.1/61

- sign 64.014+/-0.011 χ^2/NDF: 620894.7/31


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -102.801+/-106.964 χ²/NDF:23.2/13
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 73.240+/-107.953 χ²/NDF:24.0/12
+ sign -168.574+/-91.998 χ²/NDF: 39.5/29
All: -53.811+/-65.331 χ²/NDF: 82.0/61
- sign 62.935+/-92.790 χ²/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: 354.705+/-0.076 χ^2/NDF:316462.6/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

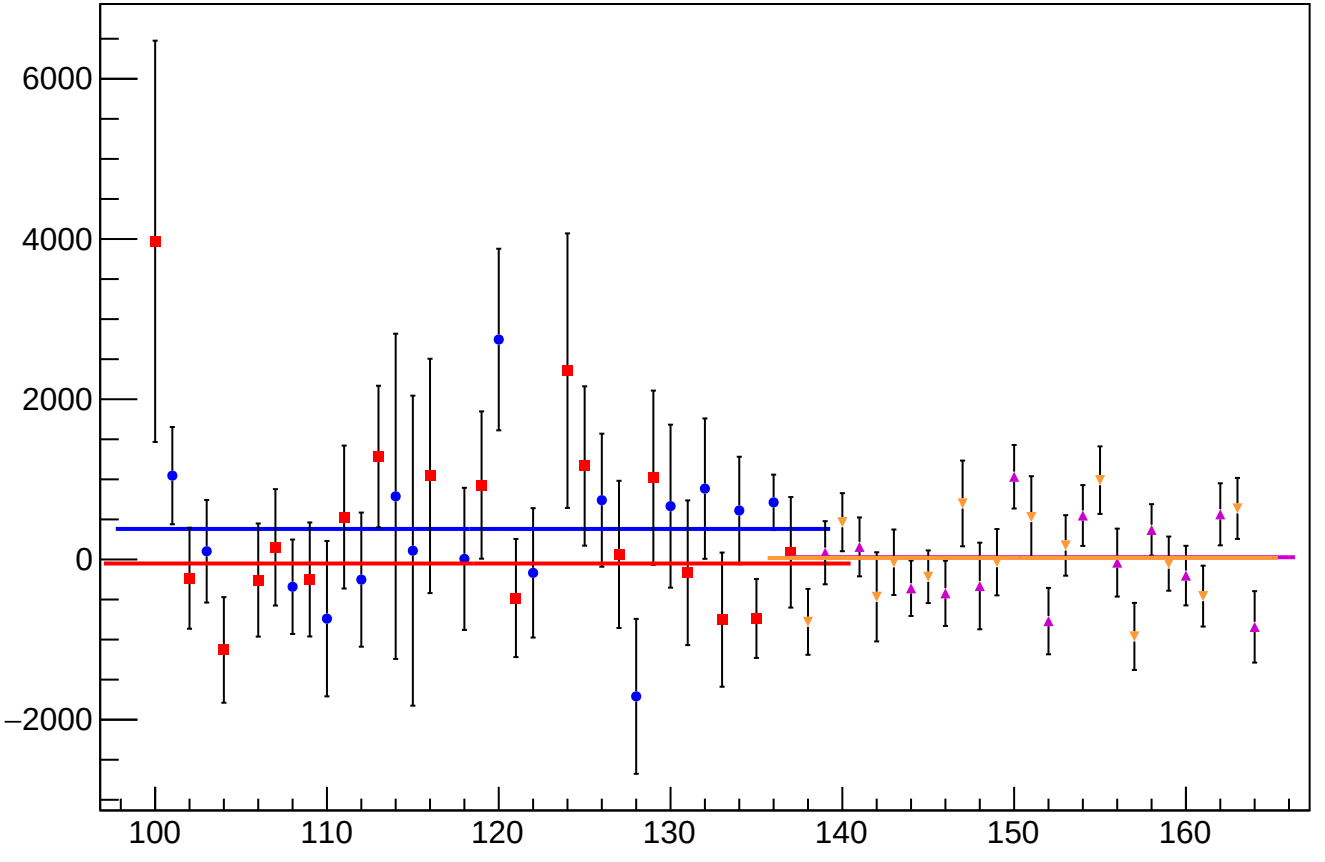
Left In: 354.388+/-0.076 χ^2/NDF:234165.3/12

+ sign 384.106+/-0.065 χ^2/NDF: 1883001.7/29

All: 385.845+/-0.046 χ^2/NDF: 3698273.7/61

- 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: 18.691+/-107.763 χ^2/NDF:24.4/13

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

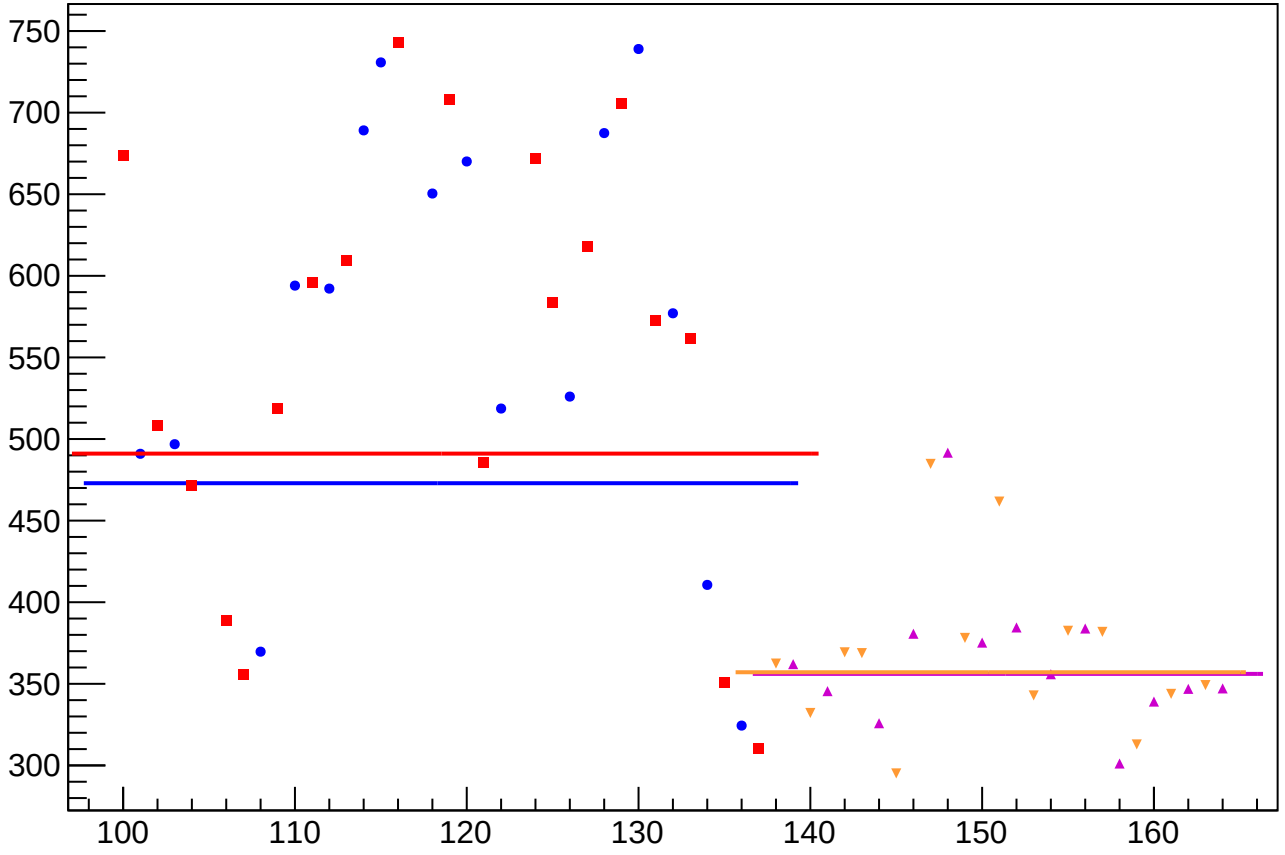
Left In: 27.665+/-108.474 χ^2/NDF:22.3/12

+ sign 112.262+/-92.814 χ^2/NDF: 43.5/29

All: 60.445+/-65.908 χ^2/NDF: 84.0/61

- 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: 357.096+/-0.076 χ^2/NDF:341434.7/13

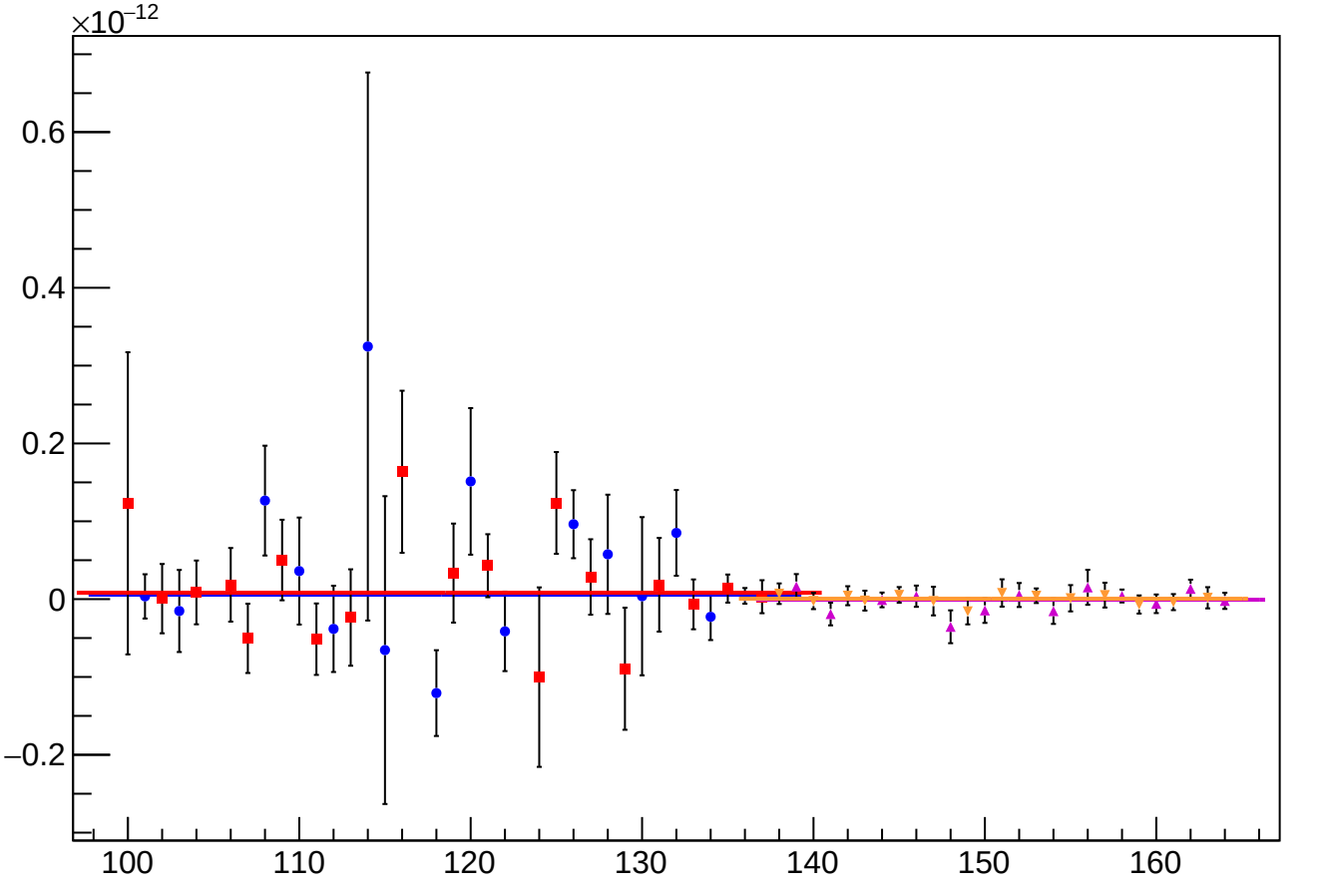
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.084+/-0.077 χ^2/NDF:237852.9/12

+ sign 387.003+/-0.066 χ^2/NDF: 1938305.6/29

All: 388.759+/-0.047 χ^2/NDF: 3815711.2/61

- 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:2.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

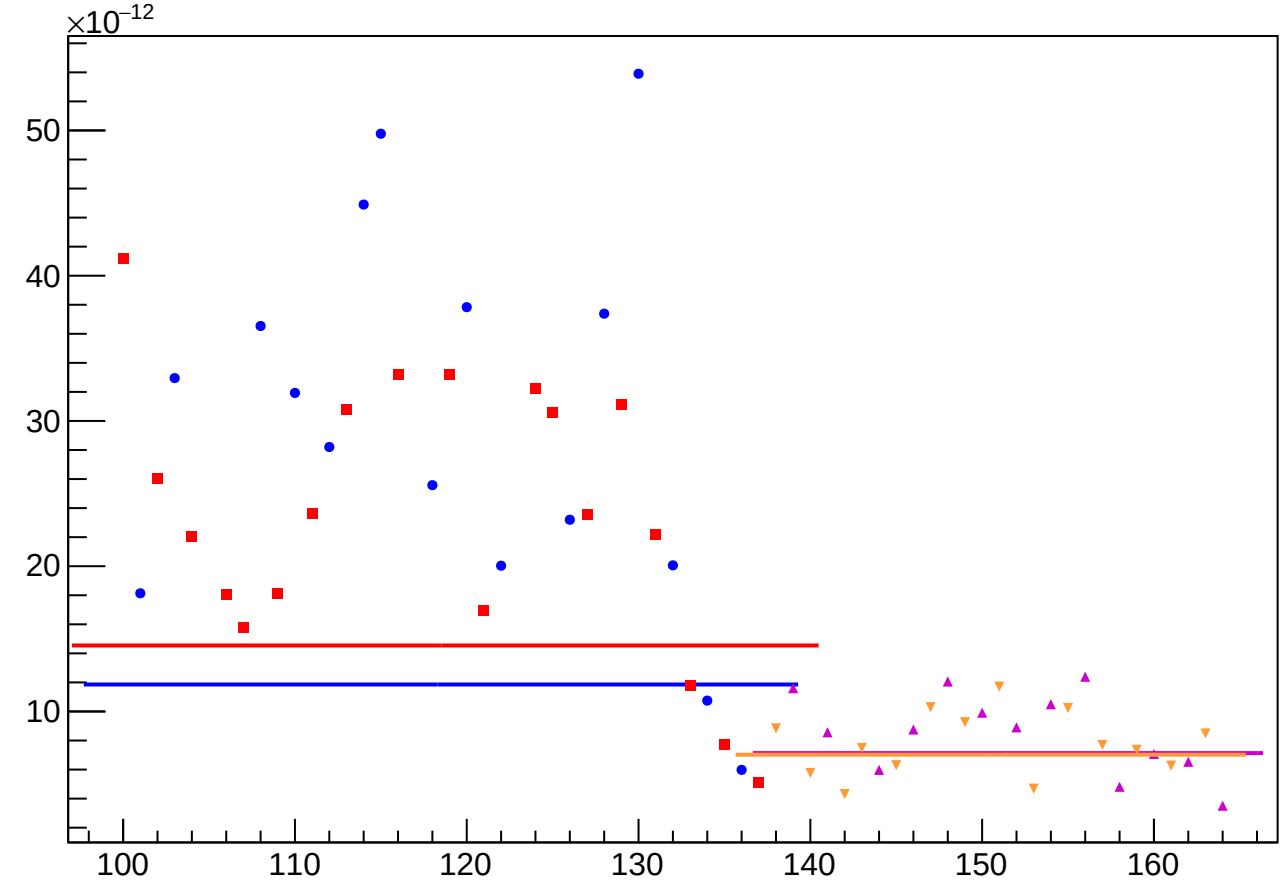
Left In: -0.000+/-0.000 χ^2/NDF:9.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 48.7/61

- 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:655445.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

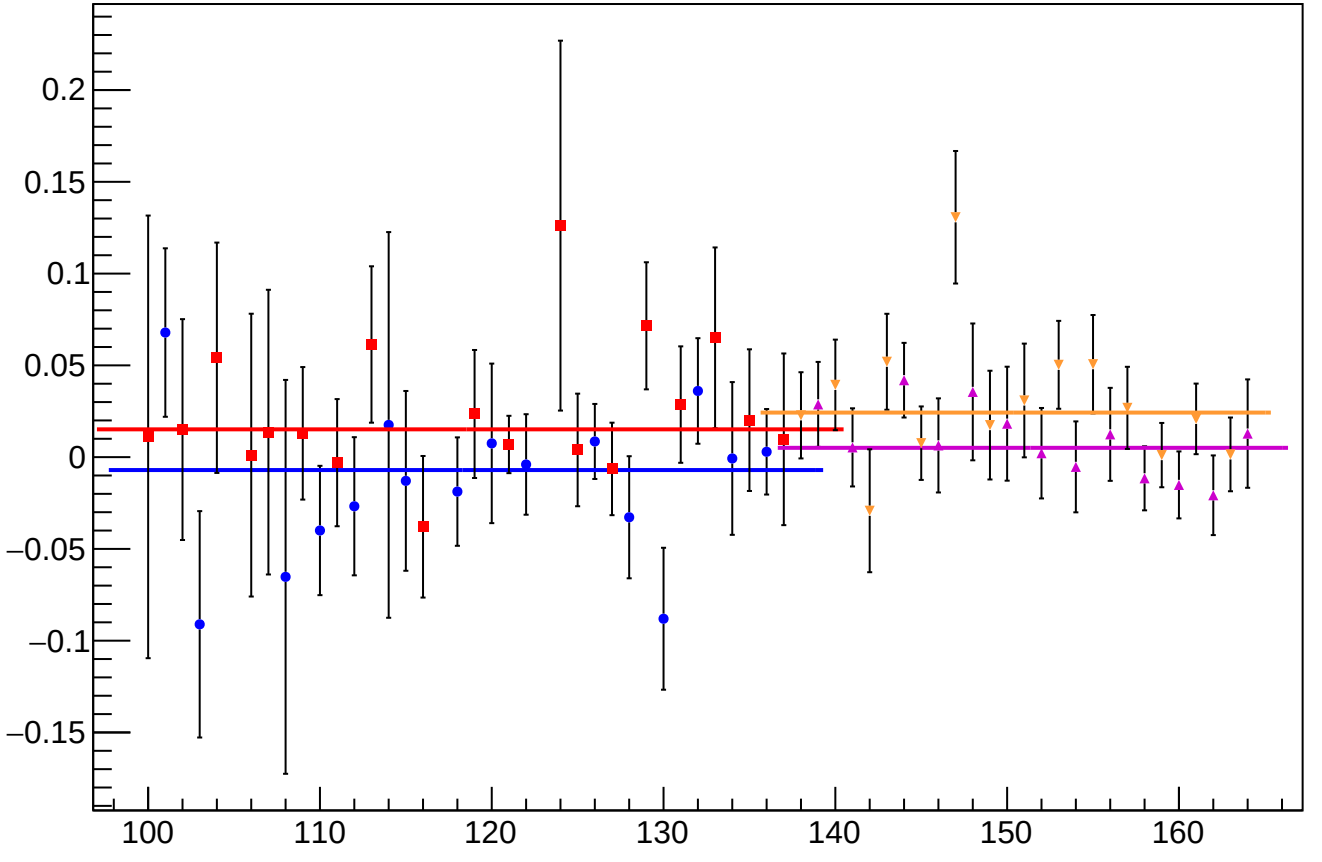
Left In: 0.000+/-0.000 χ^2/NDF:1026653.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4110474.4/29

All: 0.000+/-0.000 χ^2/NDF: 8028103.1/61

- 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: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

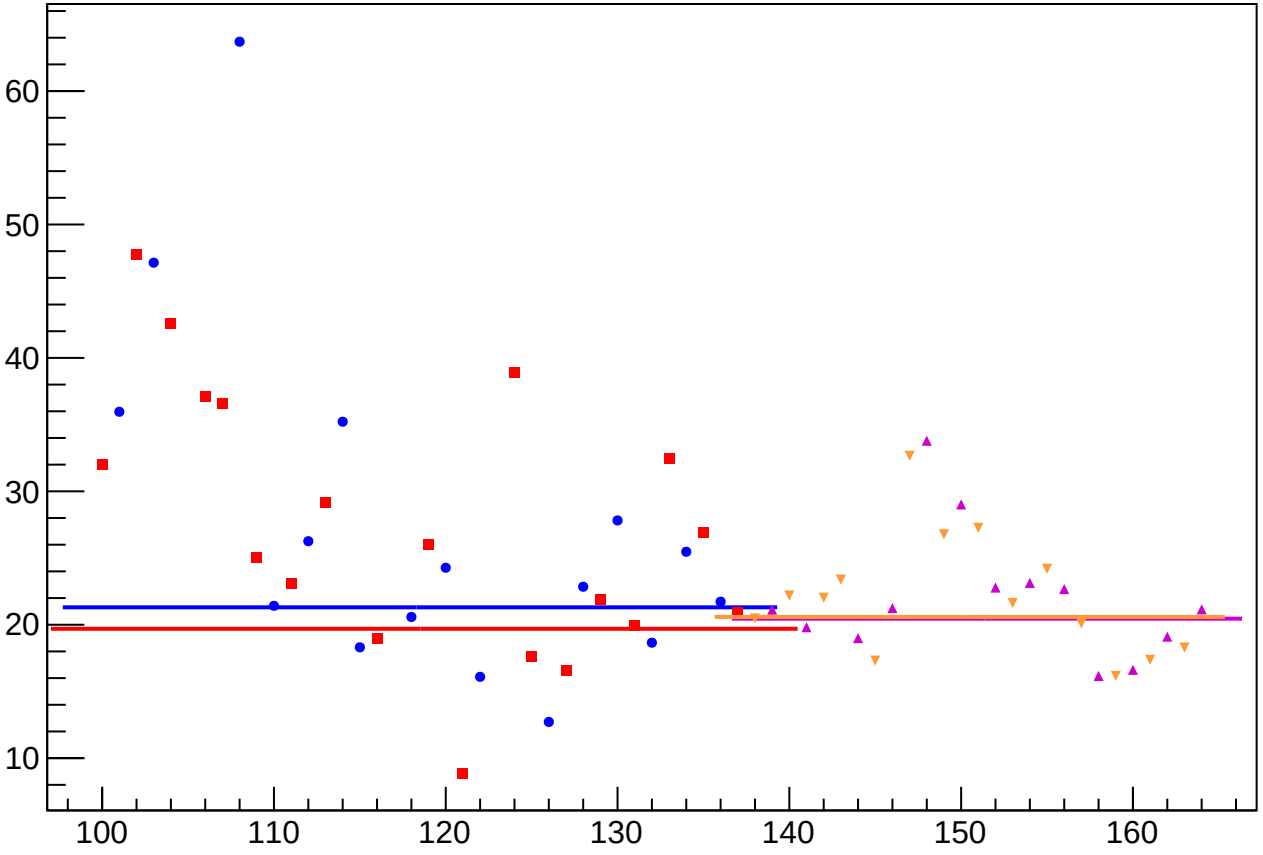
Left In: 0.005+/-0.006 χ^2/NDF:9.1/12

+ sign 0.013+/-0.005 χ^2/NDF: 41.6/29

All: 0.011+/-0.004 χ^2/NDF: 62.1/61

- 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: 20.587+/-0.004 χ^2/NDF:743206.1/13

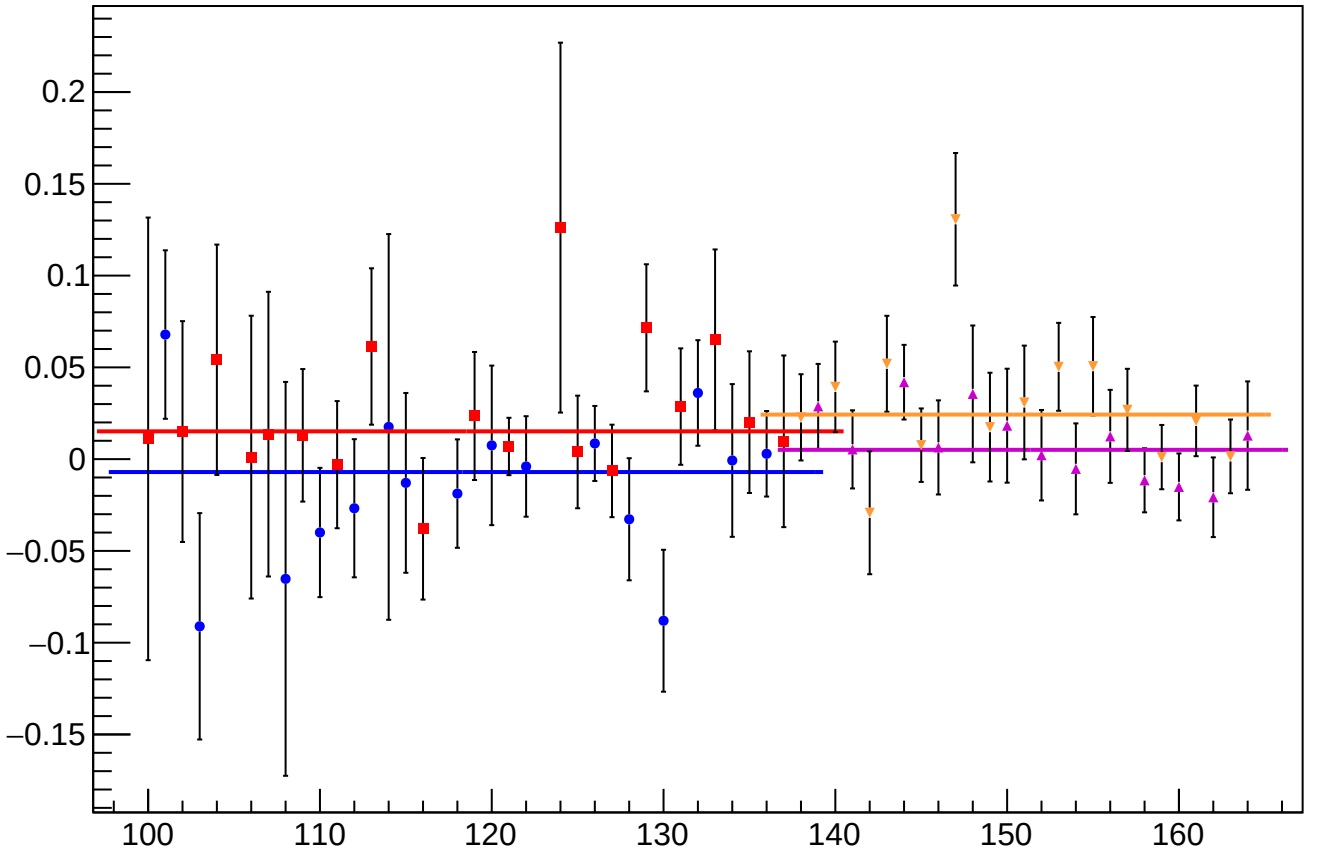
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

+ sign 20.839+/-0.004 χ^2/NDF: 2231614.9/29

All: 20.501+/-0.003 χ^2/NDF: 5397330.7/61

- 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: 0.024+/-0.006 χ^2/NDF:18.8/13

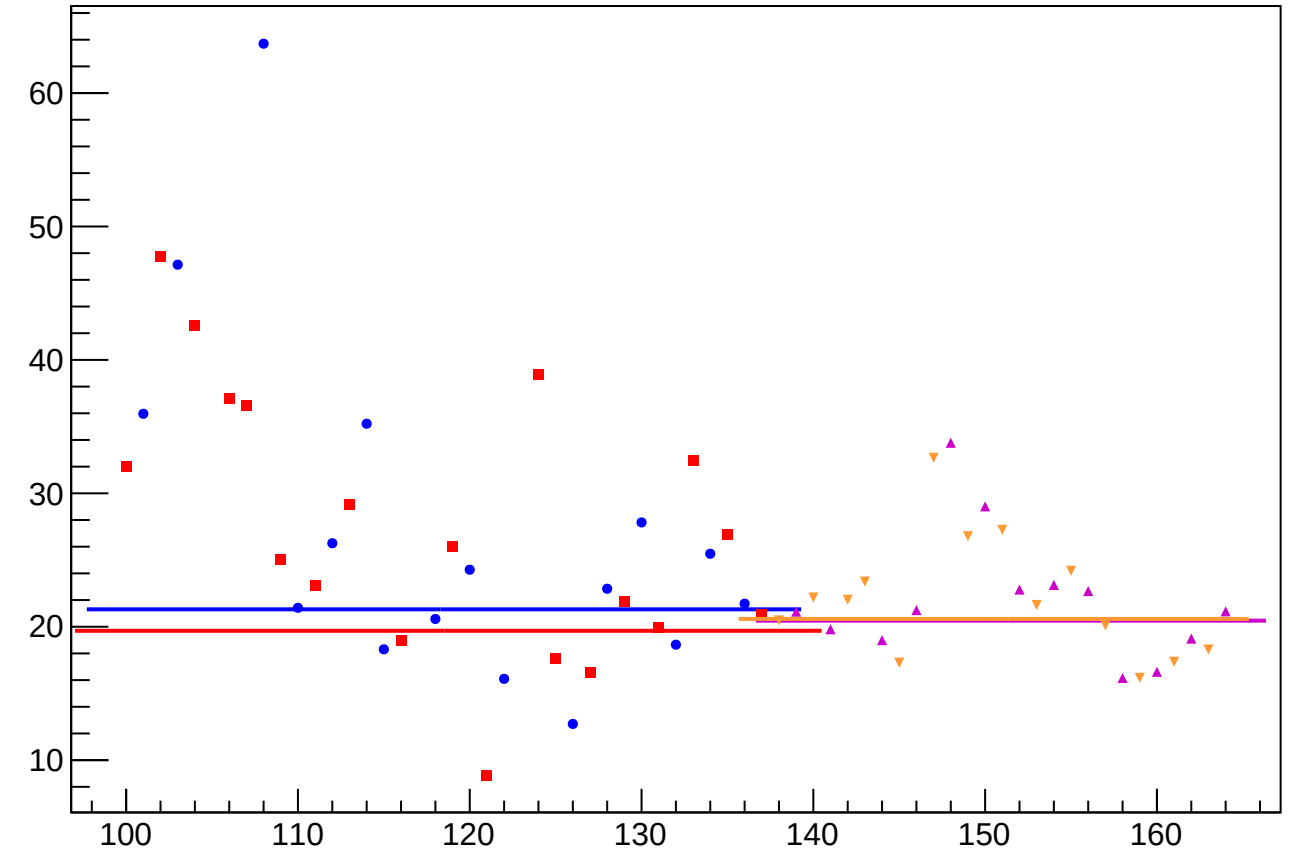
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.005+/-0.006 χ^2/NDF:9.1/12

+ sign 0.013+/-0.005 χ^2/NDF: 41.6/29

All: 0.011+/-0.004 χ^2/NDF: 62.1/61

- 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: 20.587+/-0.004 χ^2/NDF:743206.1/13

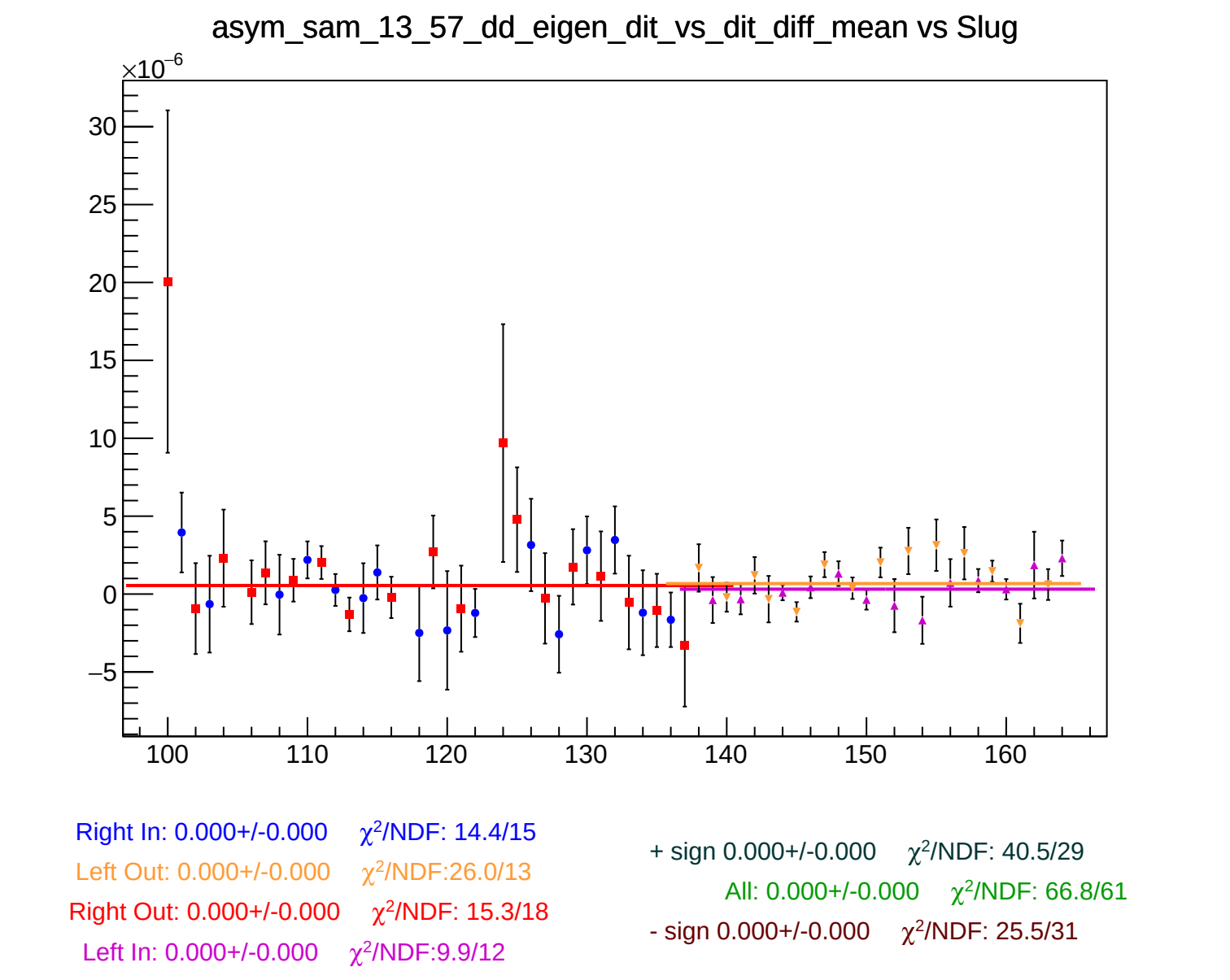
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

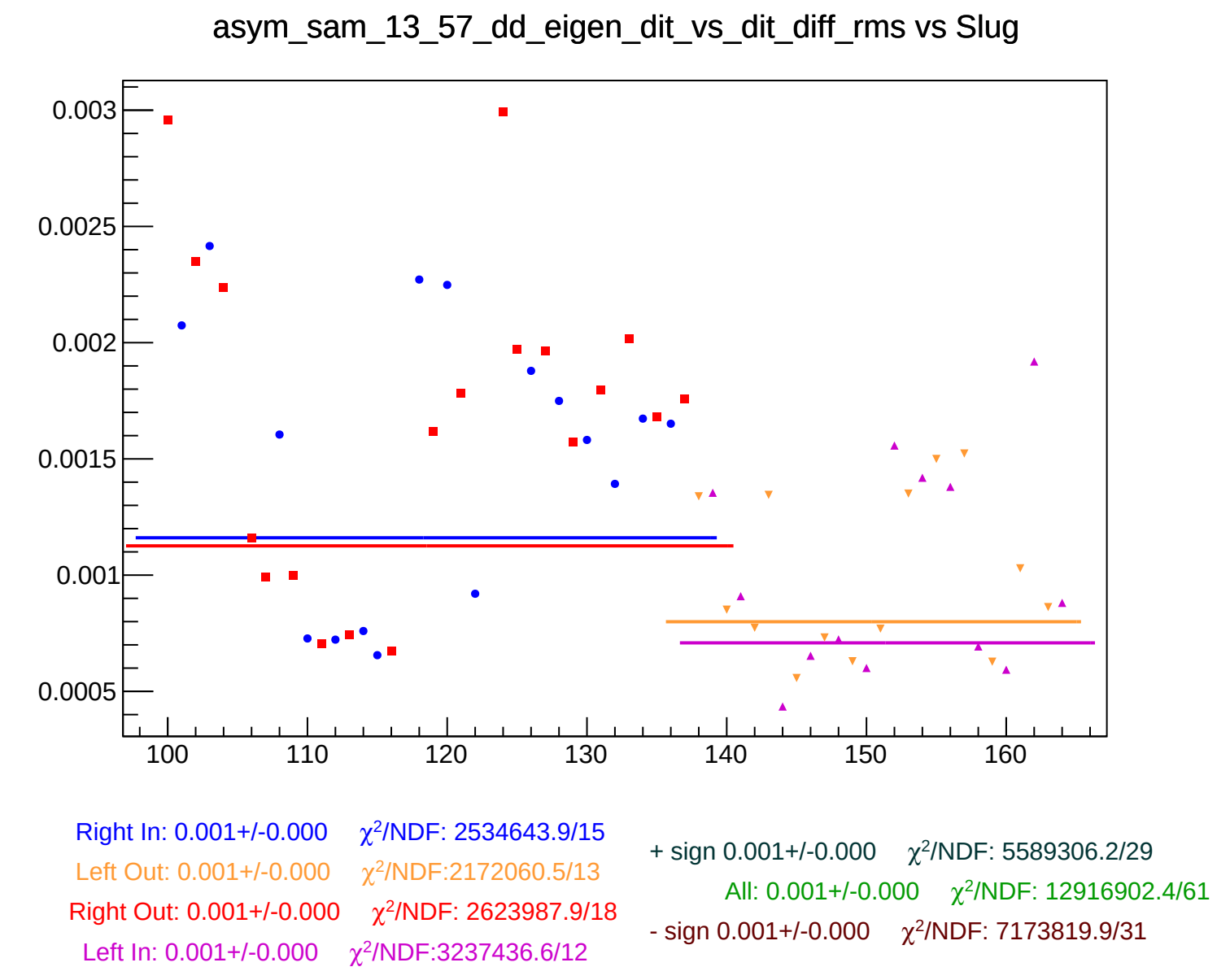
Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

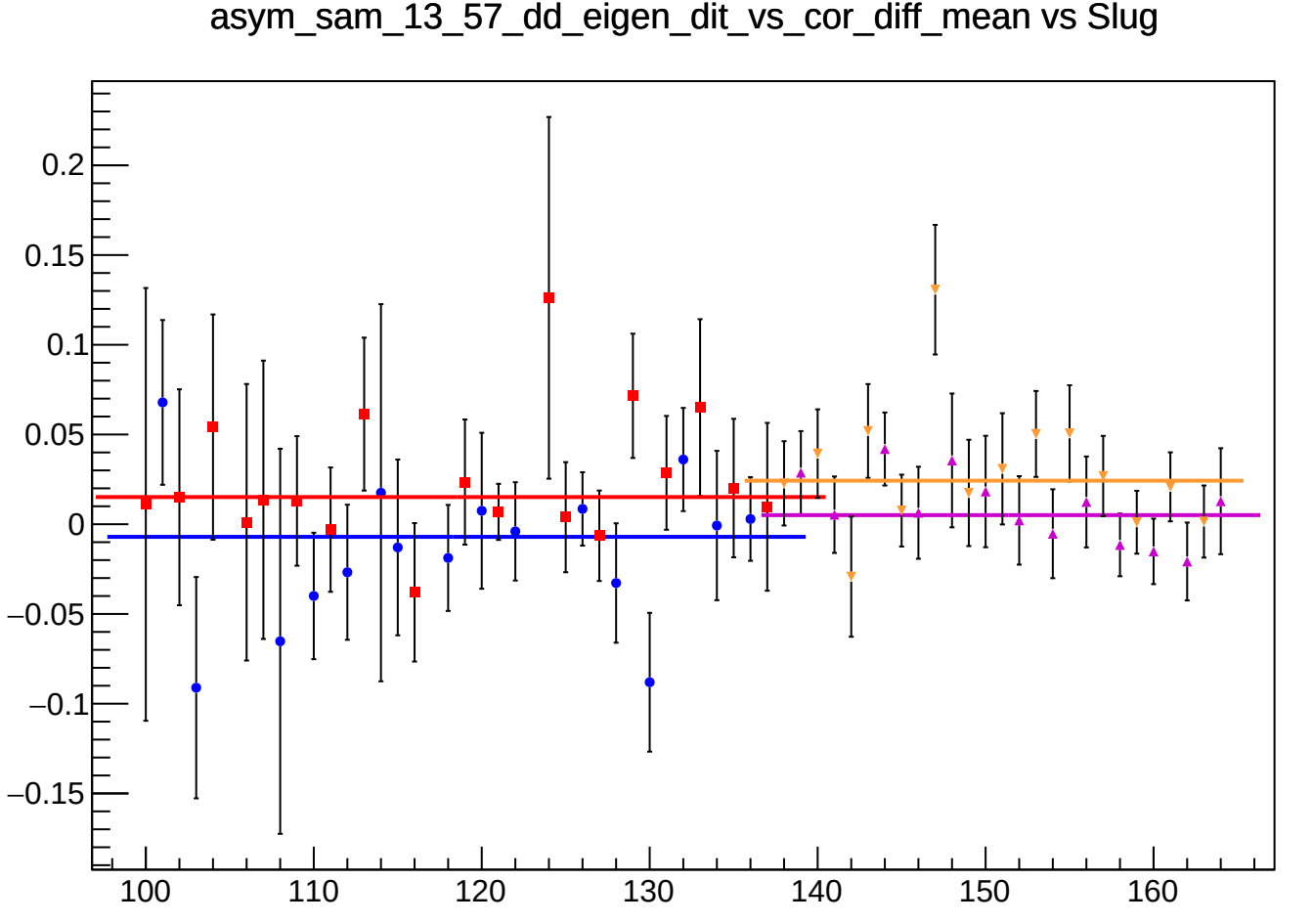
+ sign 20.839+/-0.004 χ^2/NDF: 2231614.9/29

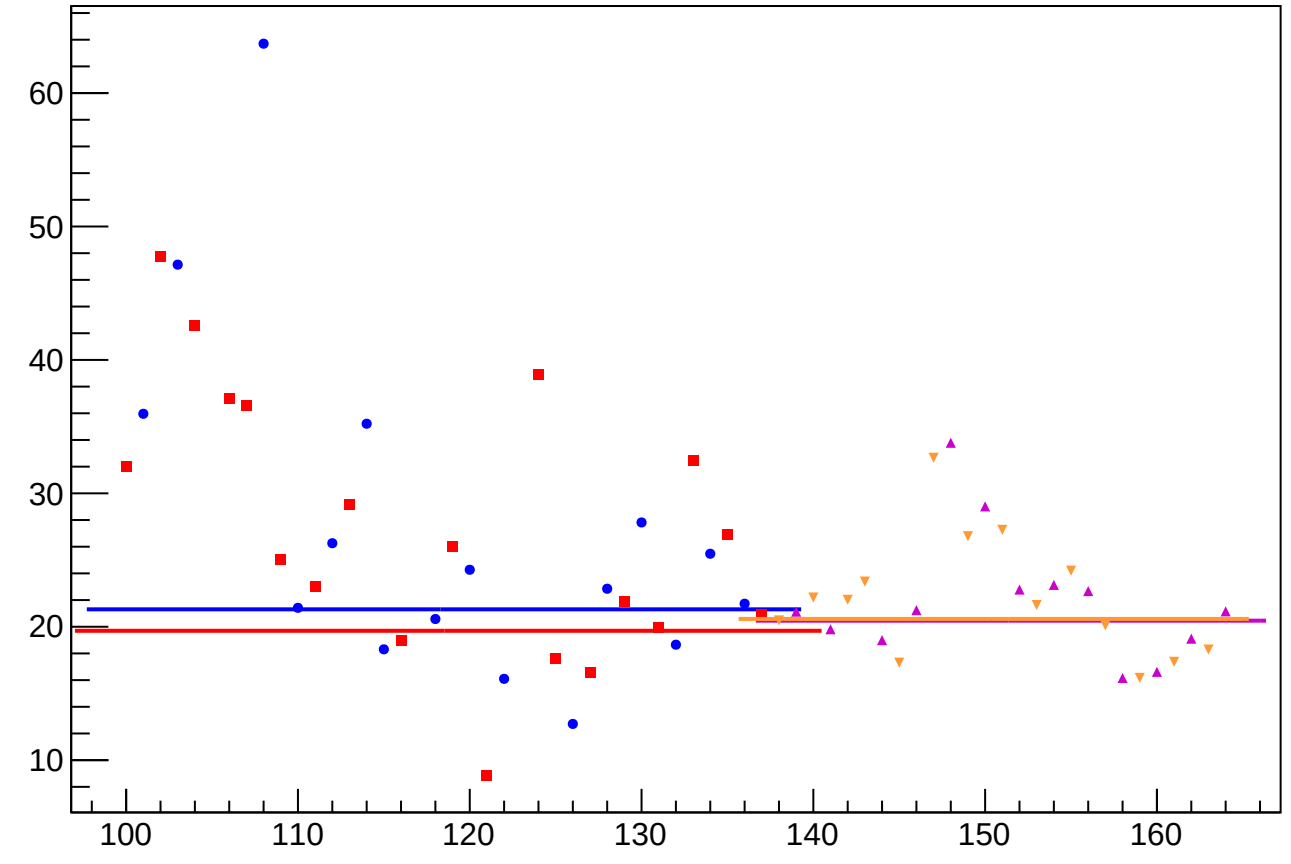
All: 20.501+/-0.003 χ^2/NDF: 5397330.7/61

- sign 20.168+/-0.004 χ^2/NDF: 3148306.9/31


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:26.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/18
Left In: 0.000+/-0.000 χ²/NDF:9.9/12
+ sign 0.000+/-0.000 χ²/NDF: 40.5/29
All: 0.000+/-0.000 χ²/NDF: 66.8/61
- sign 0.000+/-0.000 χ²/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:2172060.5/13
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: 5589306.2/29
All: 0.001+/-0.000 χ²/NDF: 12916902.4/61
- sign 0.001+/-0.000 χ²/NDF: 7173819.9/31


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.006 χ²/NDF:9.1/12
+ sign 0.013+/-0.005 χ²/NDF: 41.6/29
All: 0.011+/-0.004 χ²/NDF: 62.1/61
- sign 0.009+/-0.005 χ²/NDF: 20.1/31



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.587+/-0.004 χ^2/NDF:743338.8/13

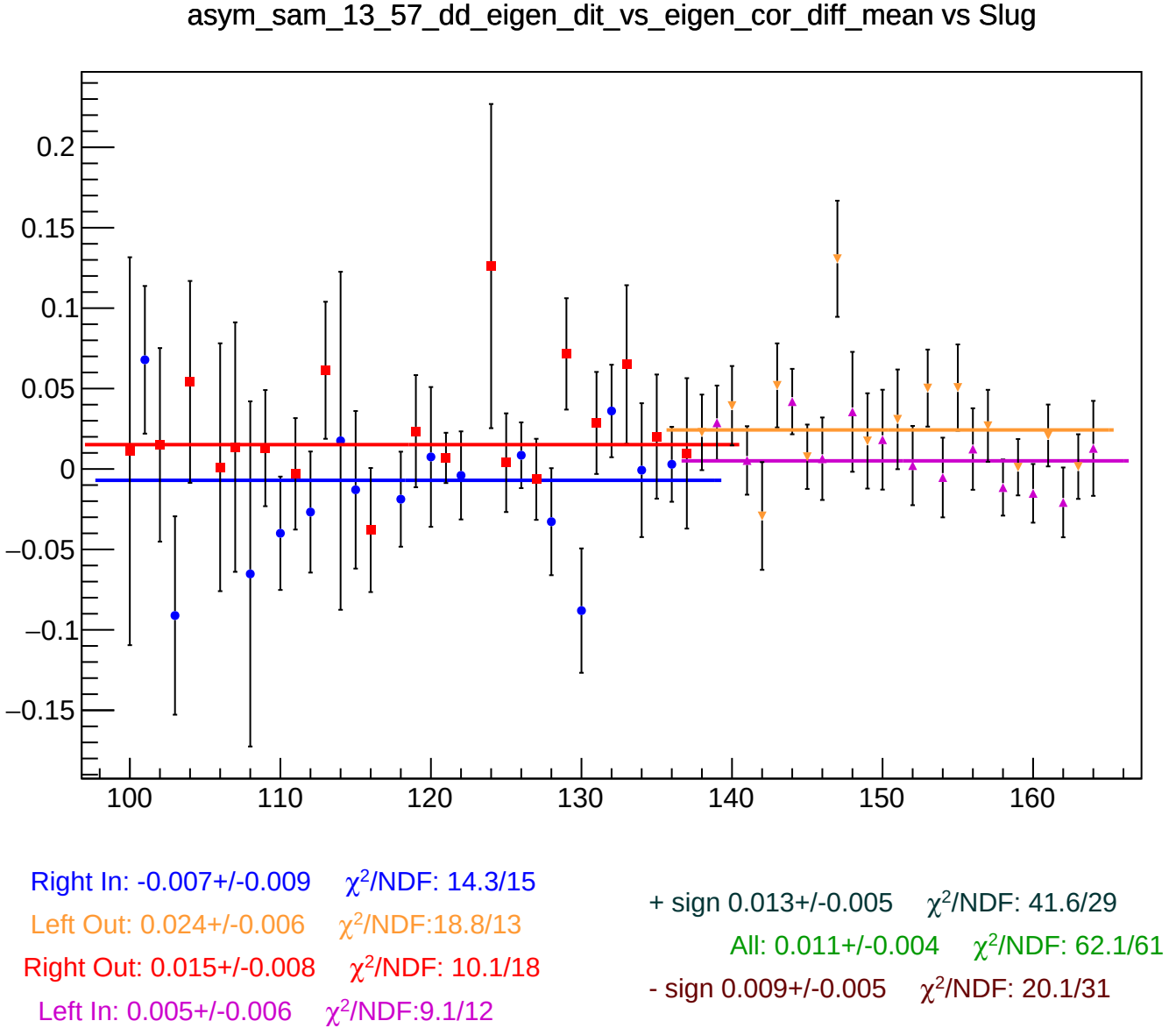
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

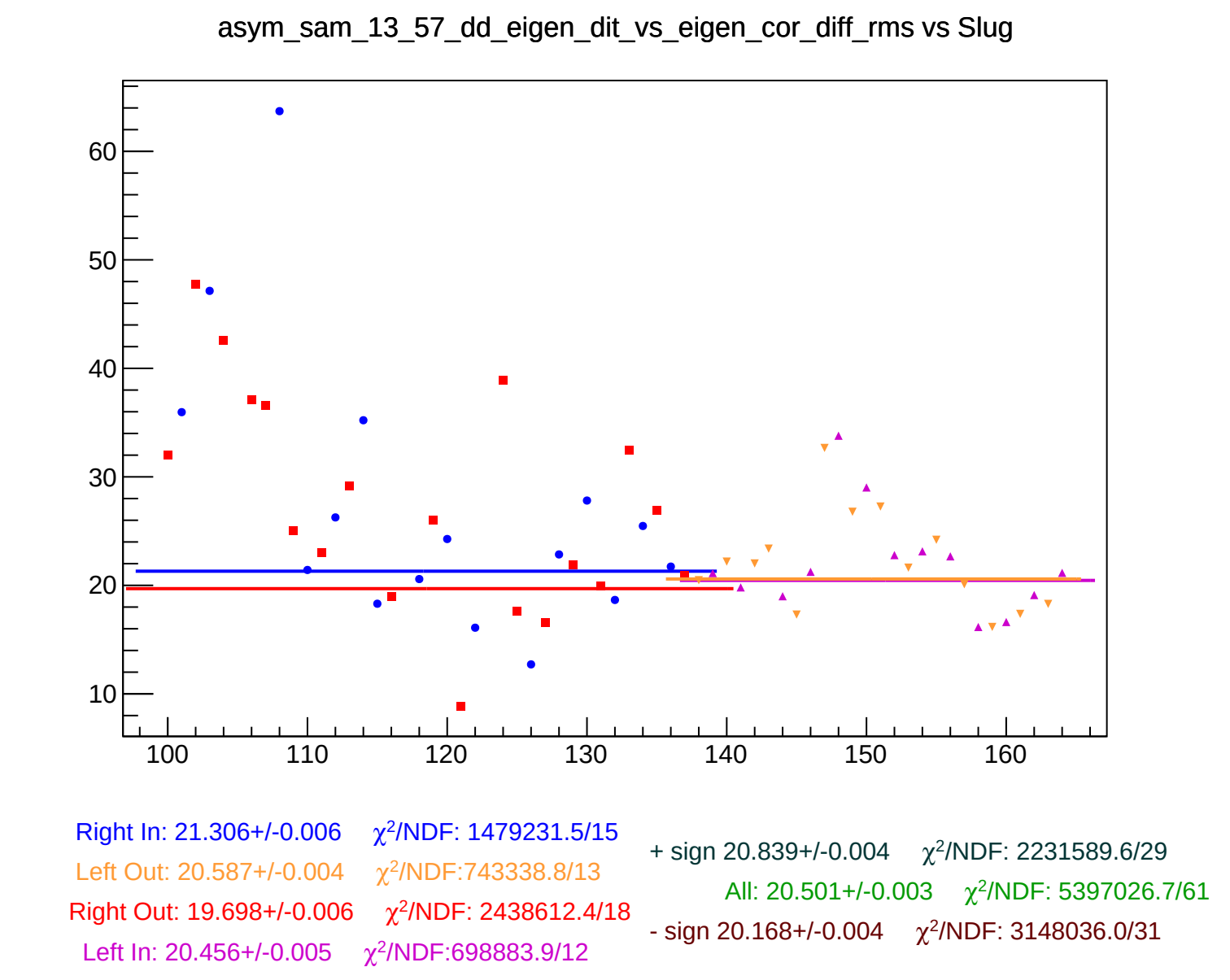
Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

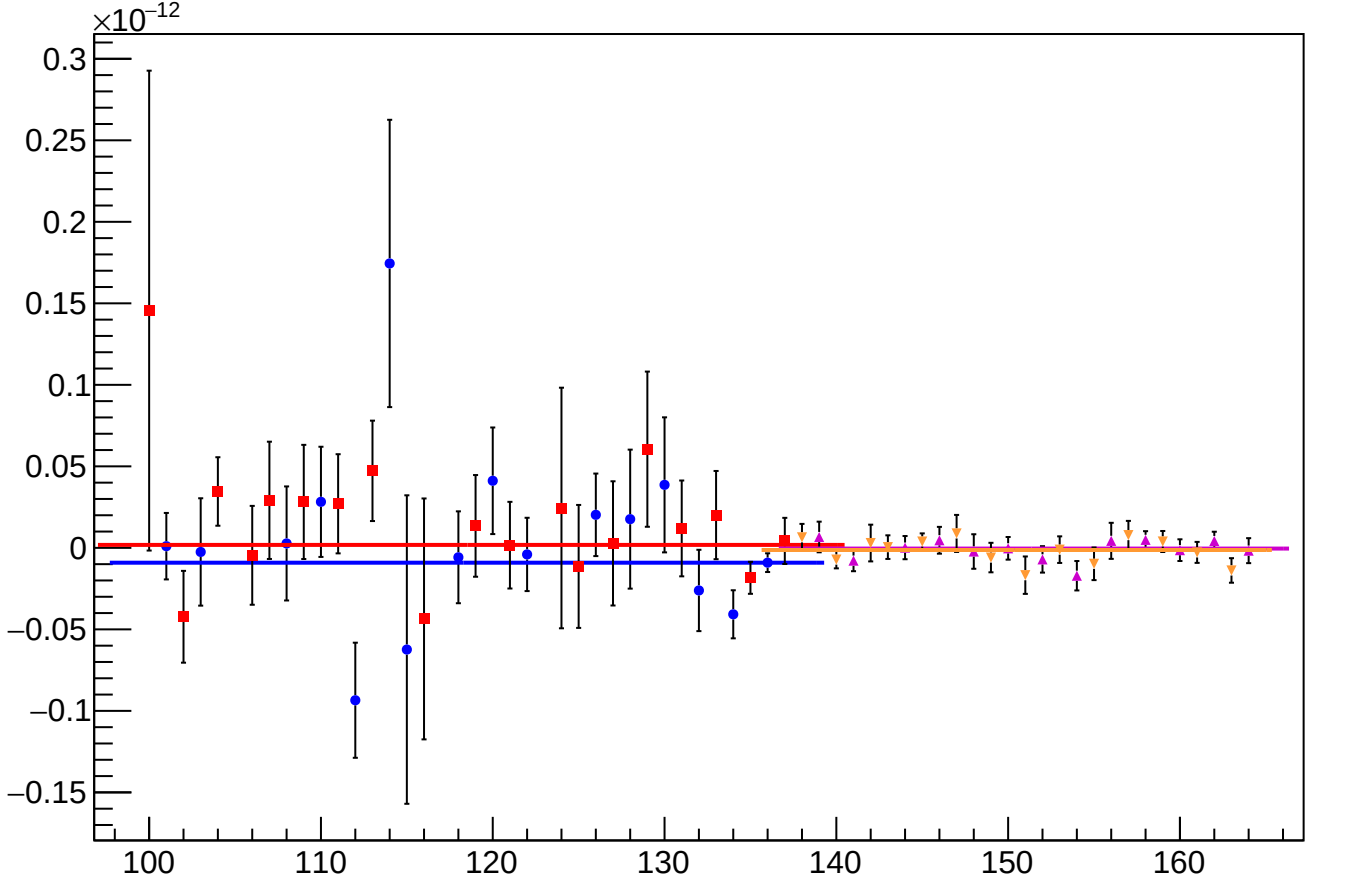
+ sign 20.839+/-0.004 χ^2/NDF: 2231589.6/29

All: 20.501+/-0.003 χ^2/NDF: 5397026.7/61

- 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: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.006 χ²/NDF:9.1/12
+ sign 0.013+/-0.005 χ²/NDF: 41.6/29
All: 0.011+/-0.004 χ²/NDF: 62.1/61
- sign 0.009+/-0.005 χ²/NDF: 20.1/31


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 20.587+/-0.004 χ²/NDF:743338.8/13
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 20.456+/-0.005 χ²/NDF:698883.9/12
+ sign 20.839+/-0.004 χ²/NDF: 2231589.6/29
All: 20.501+/-0.003 χ²/NDF: 5397026.7/61
- sign 20.168+/-0.004 χ²/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:11.5/13

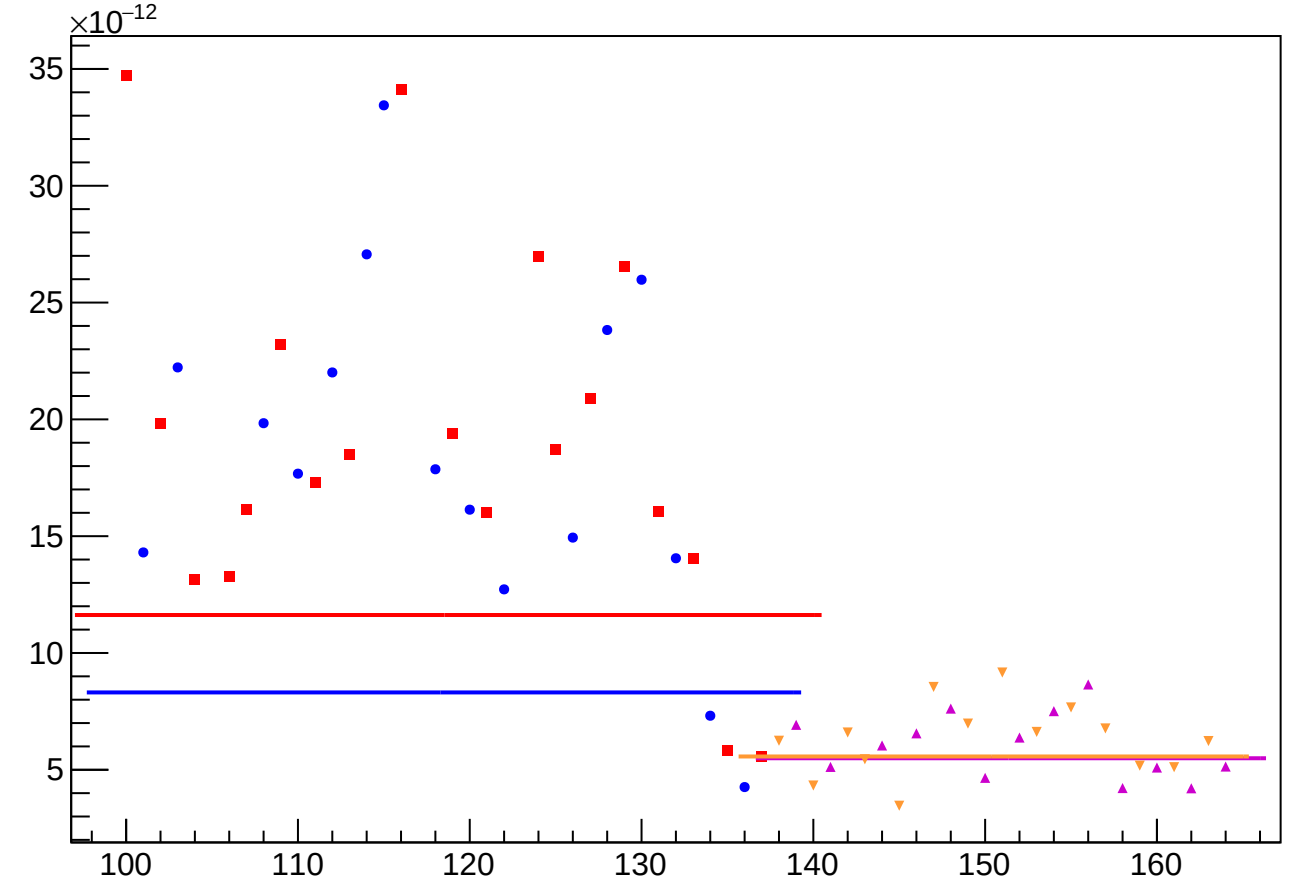
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/29

All: -0.000+/-0.000 χ^2/NDF: 62.8/61

- 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:1065899.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

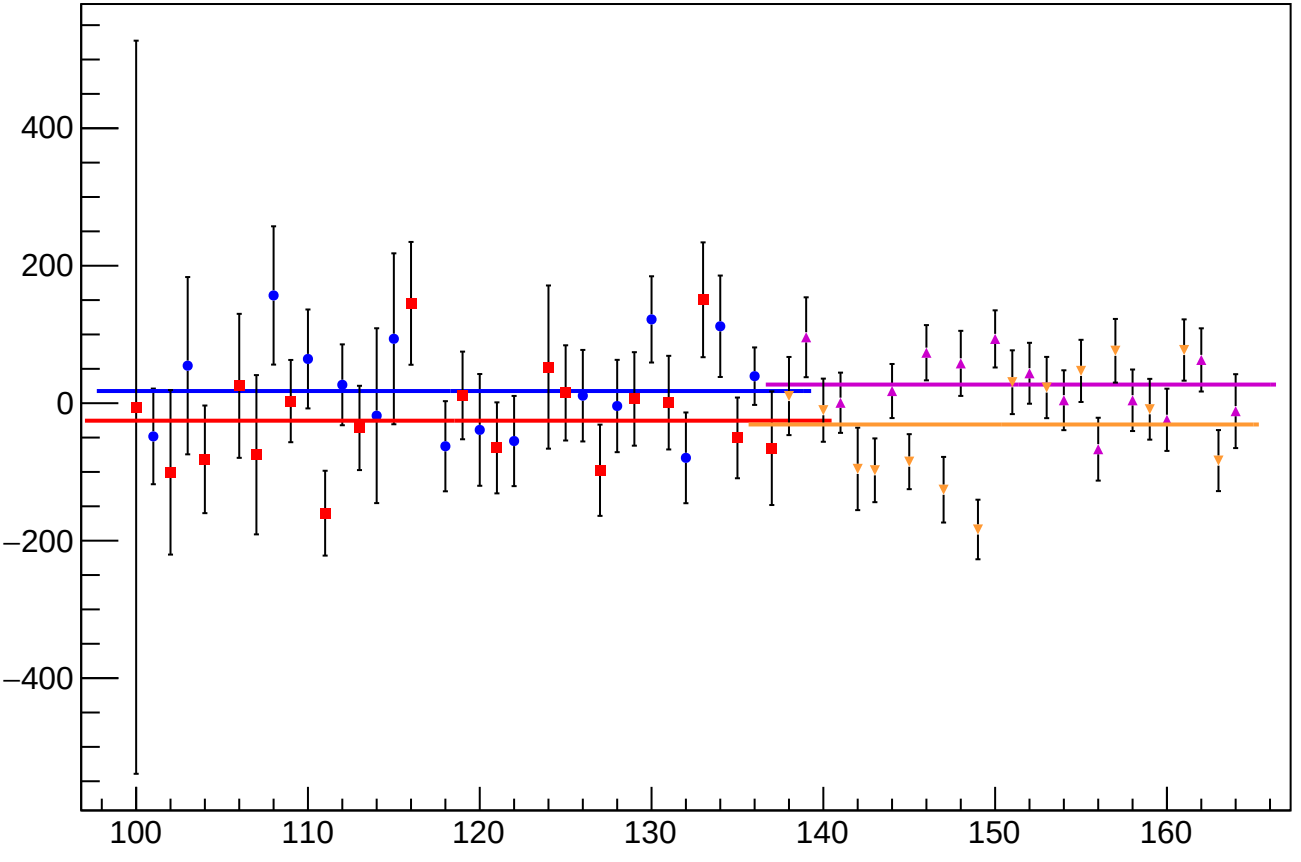
Left In: 0.000+/-0.000 χ^2/NDF:723373.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5417755.9/29

All: 0.000+/-0.000 χ^2/NDF: 10821477.1/61

- 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: -30.971+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

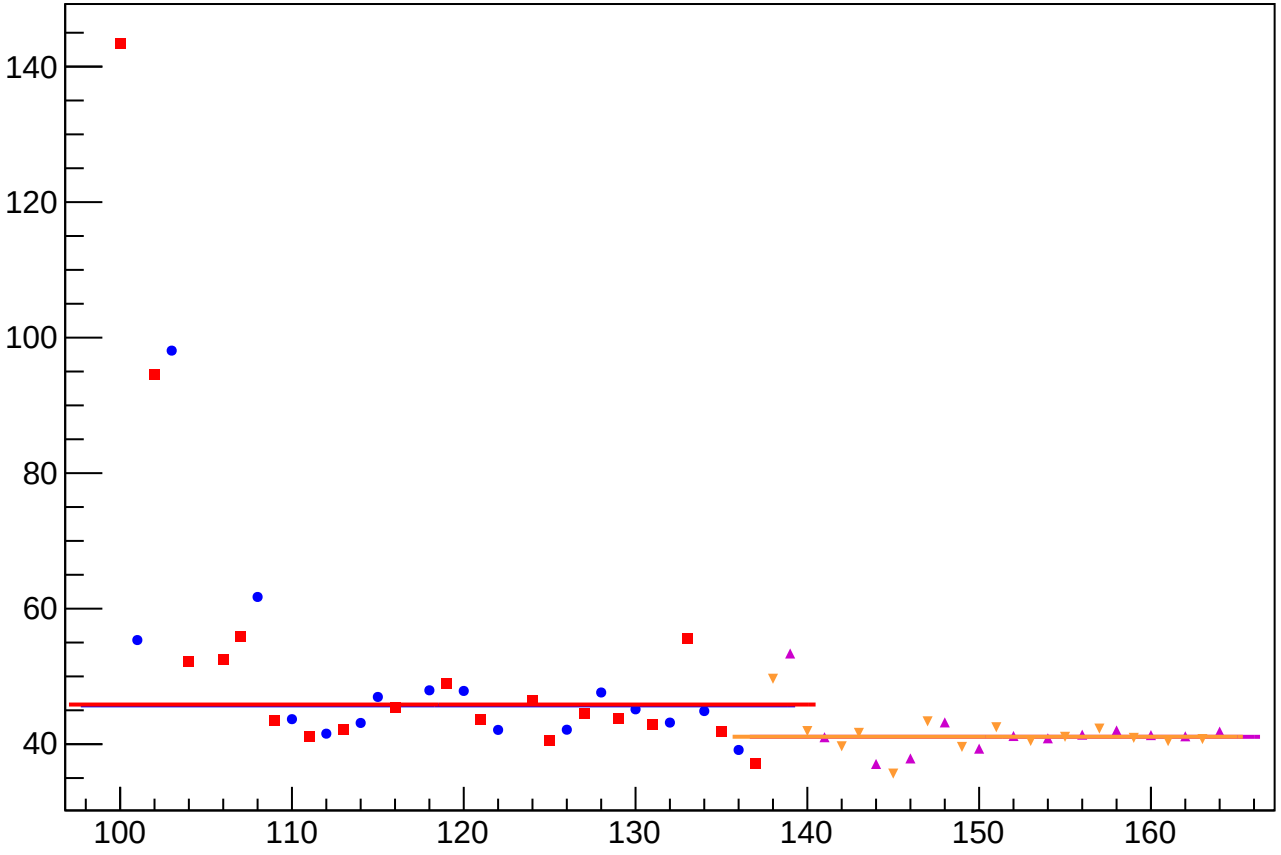
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -14.770+/-10.079 χ^2/NDF: 60.4/29

All: -2.847+/-7.143 χ^2/NDF: 100.5/61

- 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: 41.098+/-0.009 χ^2/NDF:95435.9/13

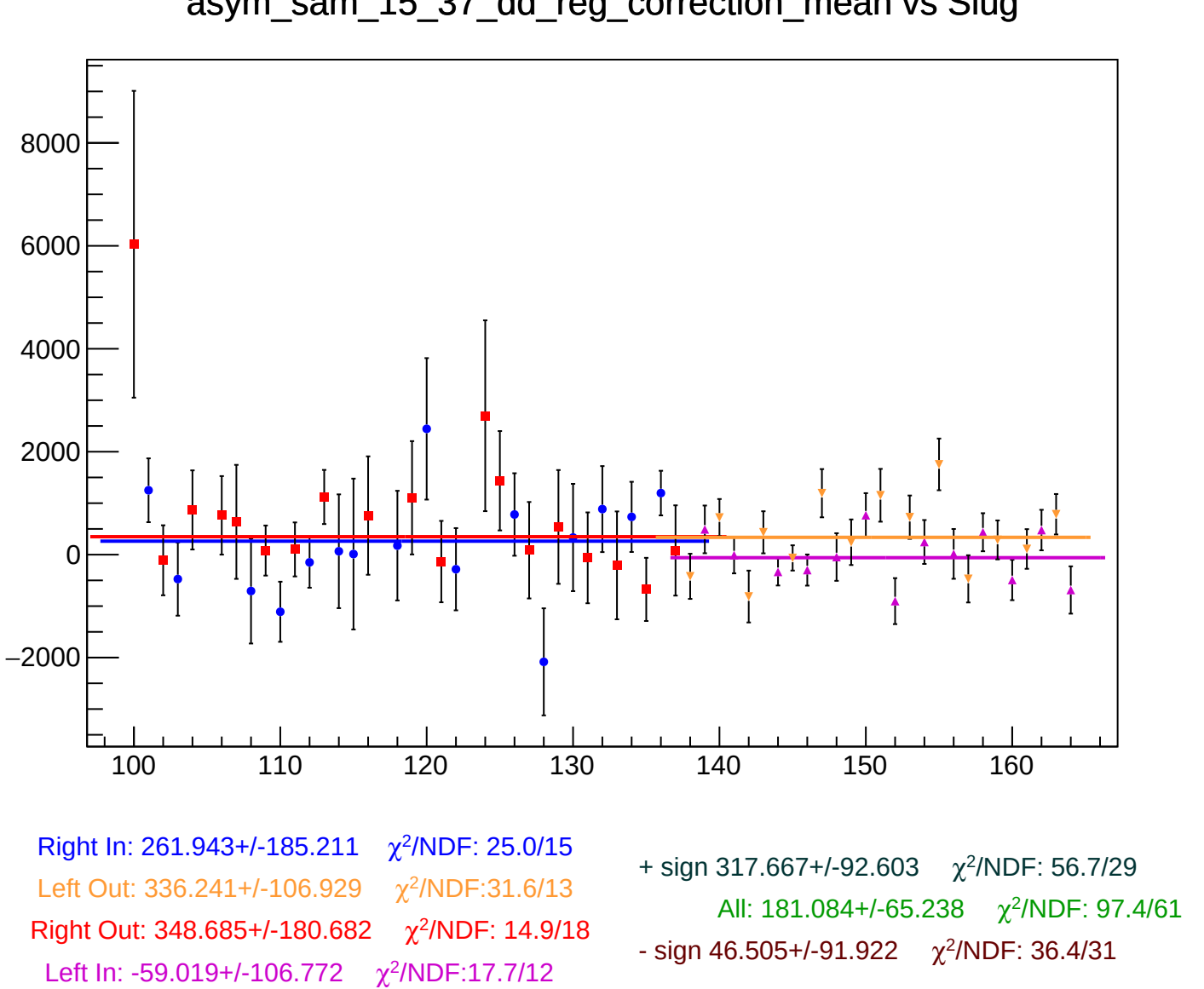
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

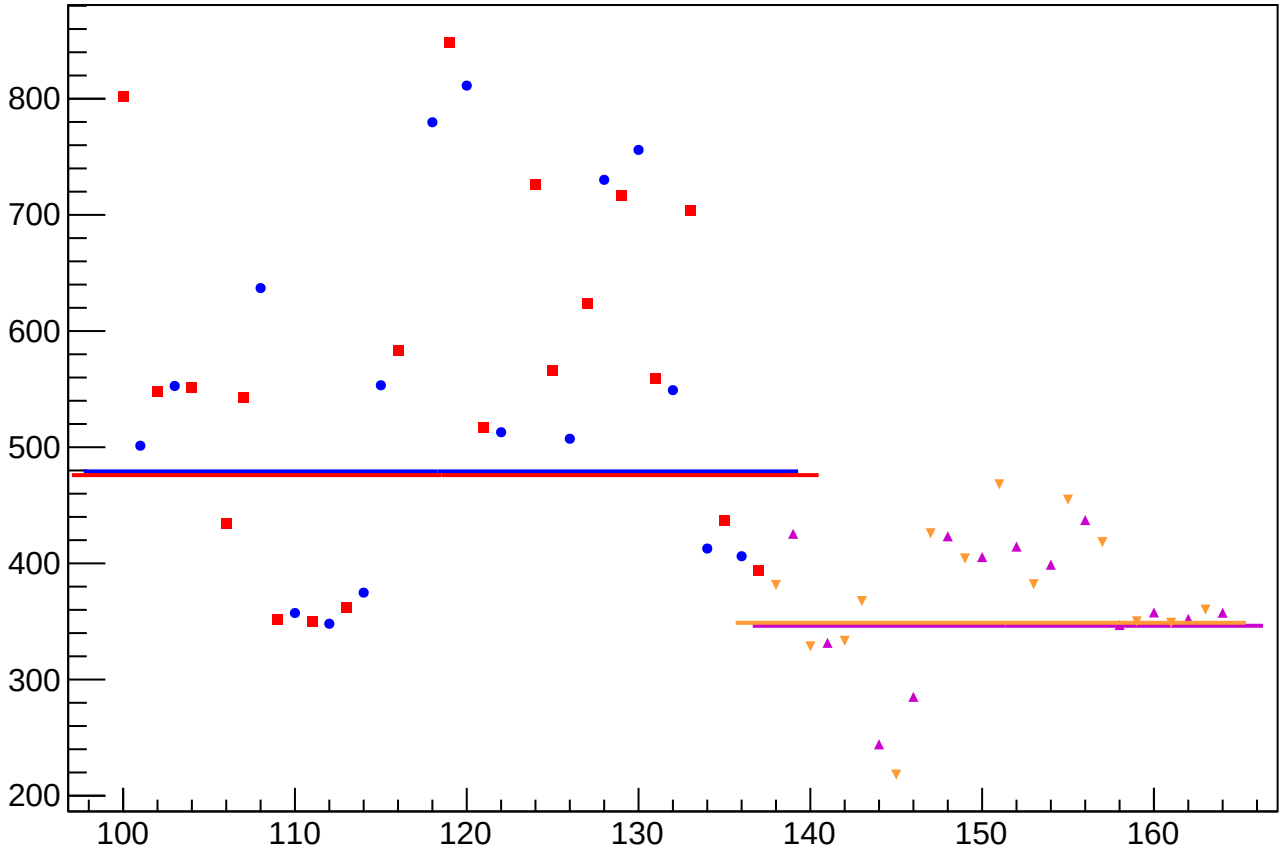
+ sign 42.639+/-0.007 χ^2/NDF: 690565.5/29

All: 42.674+/-0.005 χ^2/NDF: 1462314.8/61

- 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: 336.241+/-106.929 χ²/NDF:31.6/13
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -59.019+/-106.772 χ²/NDF:17.7/12
+ sign 317.667+/-92.603 χ²/NDF: 56.7/29
All: 181.084+/-65.238 χ²/NDF: 97.4/61
- 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: 348.859+/-0.076 χ^2/NDF:932828.5/13

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

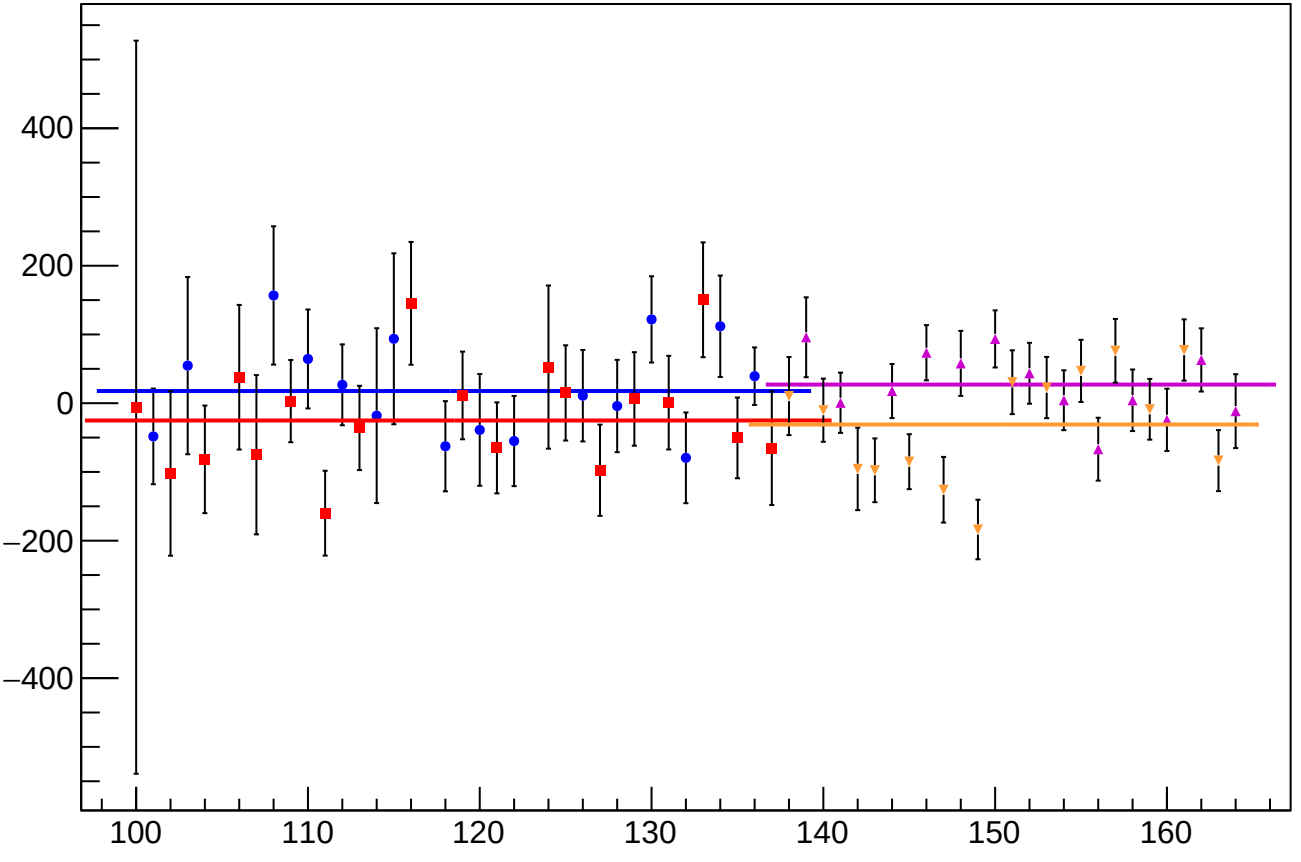
Left In: 346.303+/-0.075 χ^2/NDF:685595.7/12

\+ sign 381.437+/-0.065 χ^2/NDF: 2628165.1/29

All: 380.648+/-0.046 χ^2/NDF: 5084237.8/61

\- 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: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

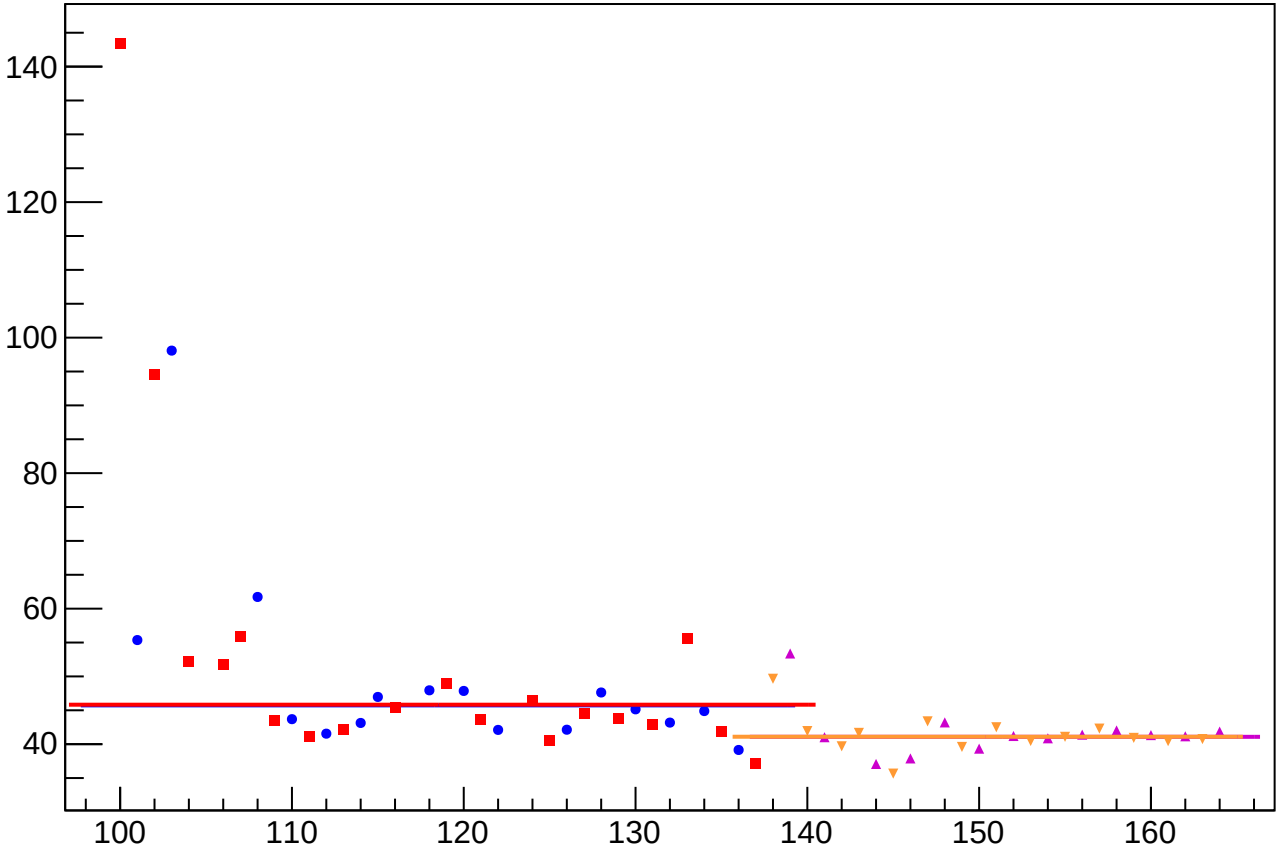
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -14.769+/-10.079 χ^2/NDF: 60.4/29

All: -2.795+/-7.143 χ^2/NDF: 100.6/61

- 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: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

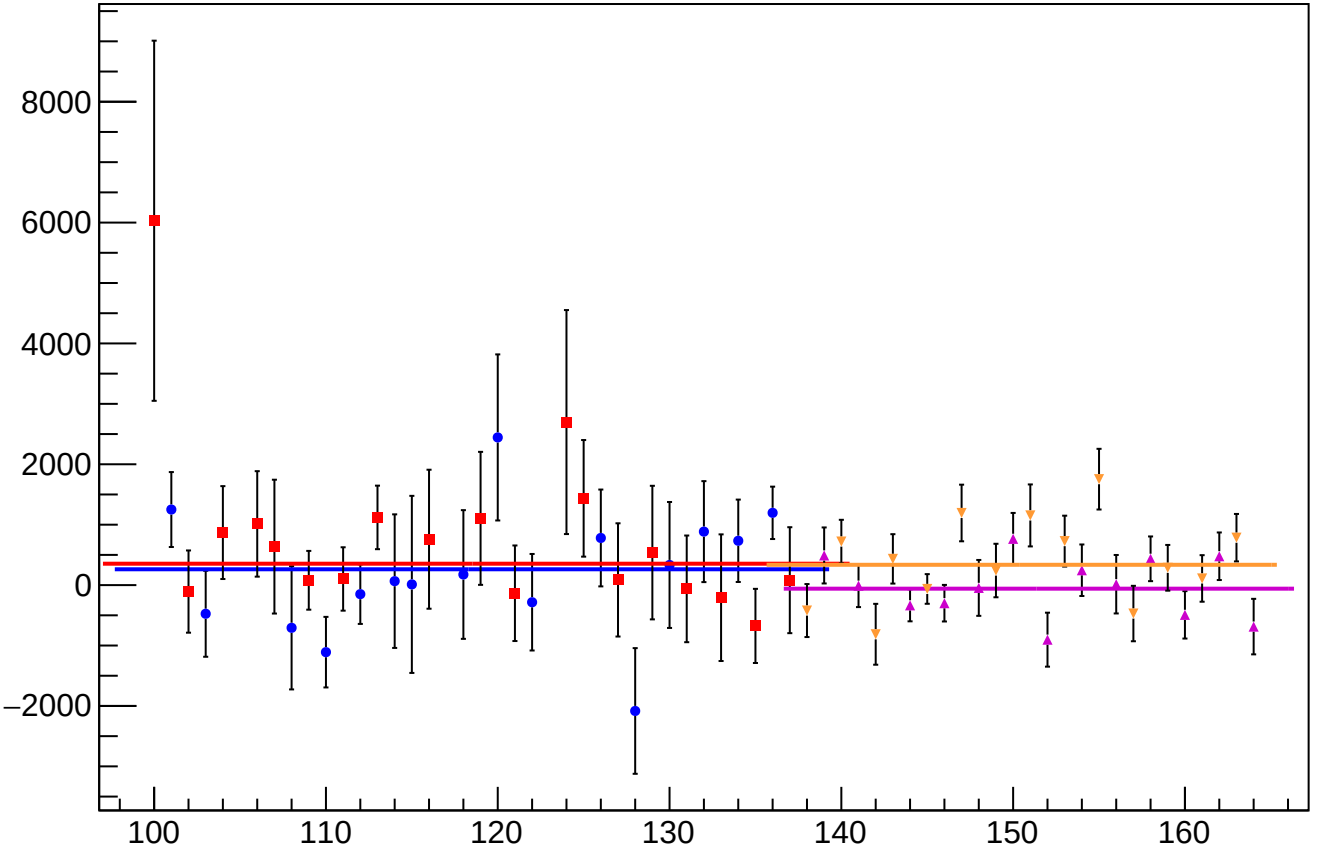
Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

+ sign 42.639+/-0.007 χ^2/NDF: 690568.5/29

All: 42.670+/-0.005 χ^2/NDF: 1459609.0/61

- sign 42.701+/-0.007 χ^2/NDF: 769002.4/31

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 336.239+/-106.929 χ^2/NDF:31.6/13

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

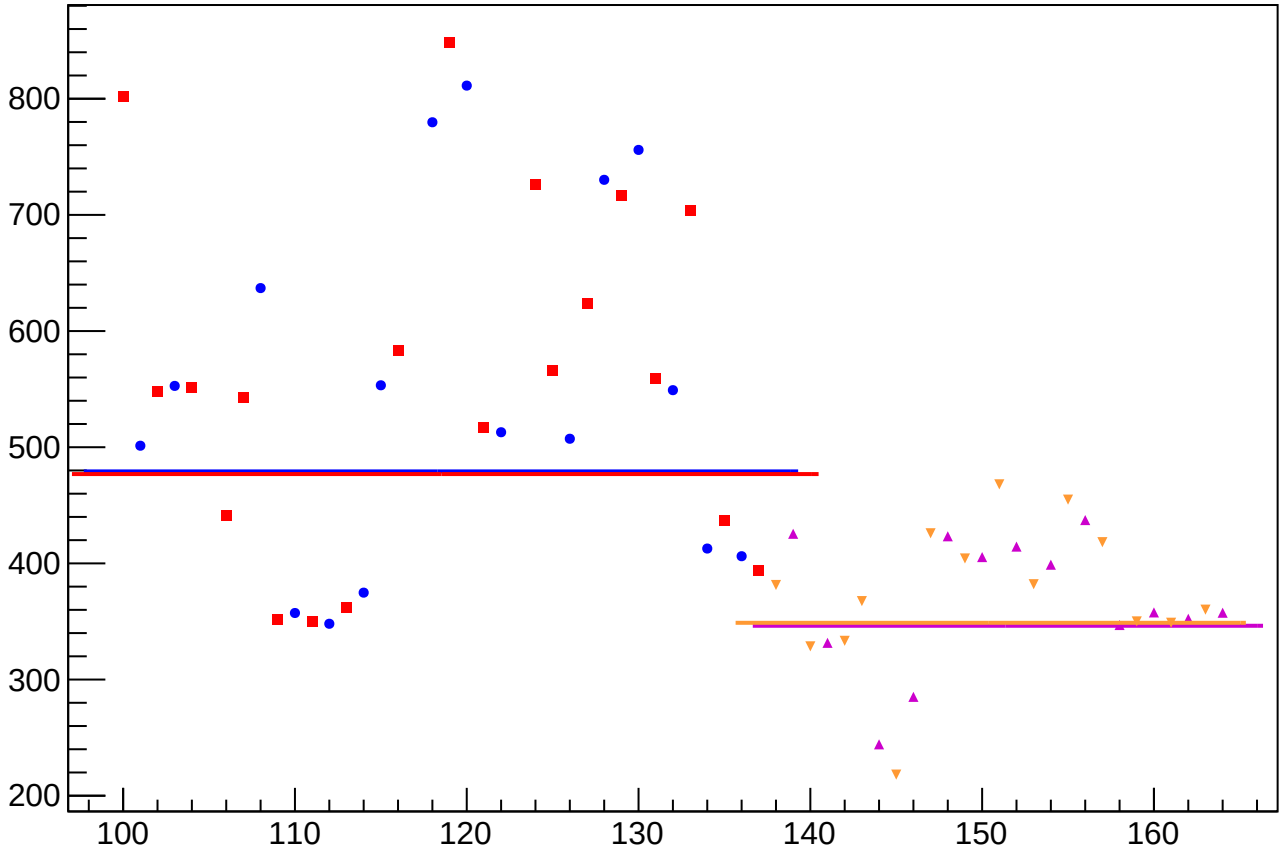
Left In: -59.020+/-106.772 χ^2/NDF:17.7/12

+ sign 317.667+/-92.604 χ^2/NDF: 56.7/29

All: 181.502+/-65.295 χ^2/NDF: 97.7/61

- sign 46.869+/-92.081 χ^2/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: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

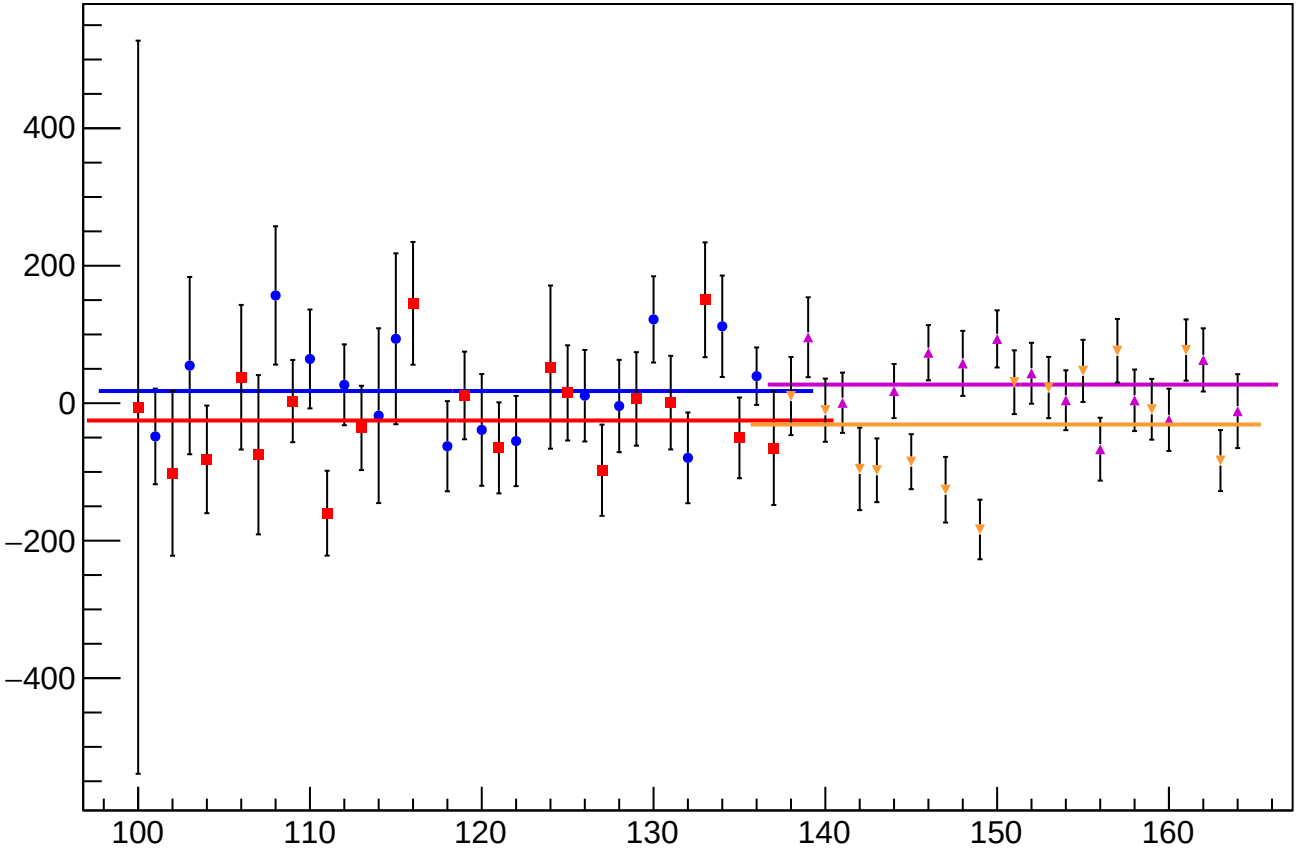
Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

\+ sign 381.437+/-0.065 χ^2/NDF: 2628214.7/29

All: 380.597+/-0.046 χ^2/NDF: 5084548.7/61

\- 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: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

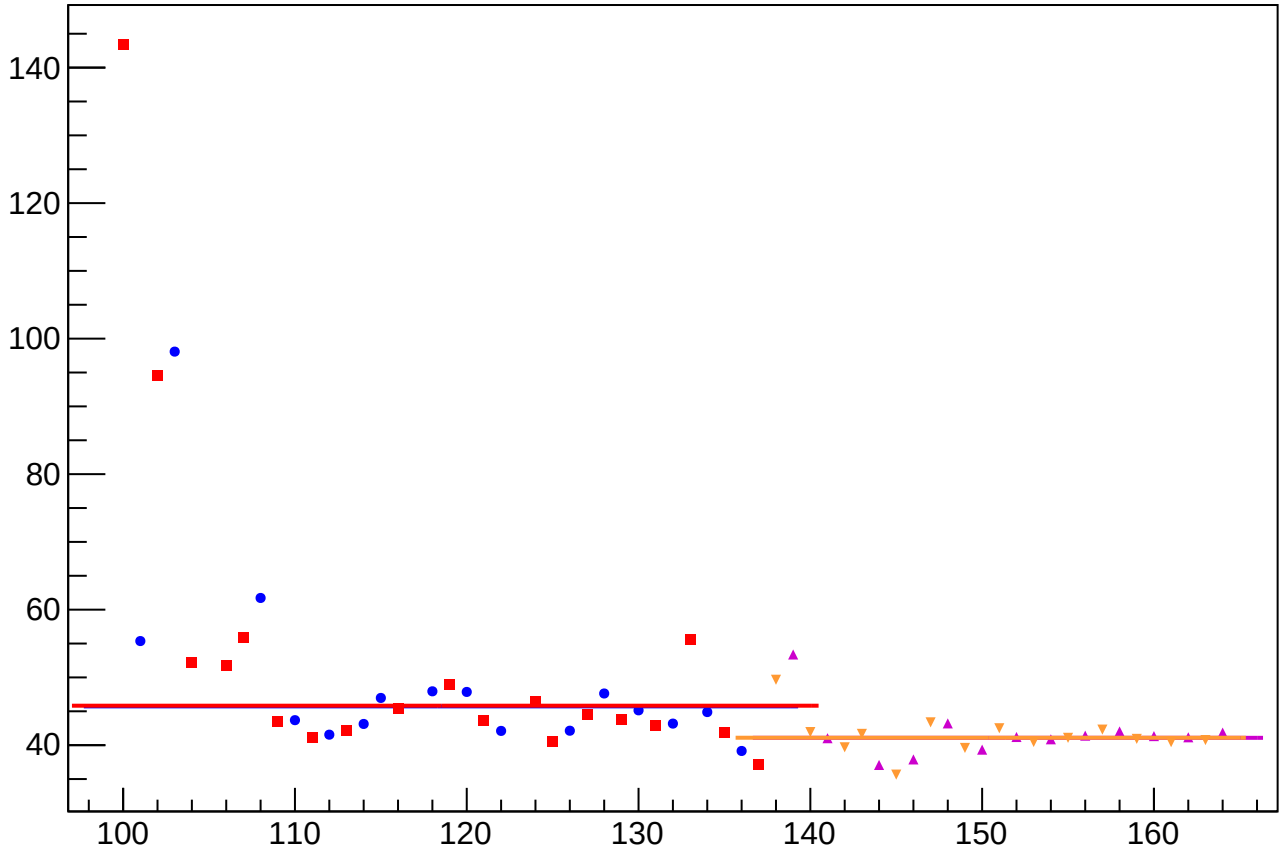
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -14.769+/-10.079 χ^2/NDF: 60.4/29

All: -2.795+/-7.143 χ^2/NDF: 100.6/61

- 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: 41.098+/-0.009 χ^2/NDF:95435.9/13

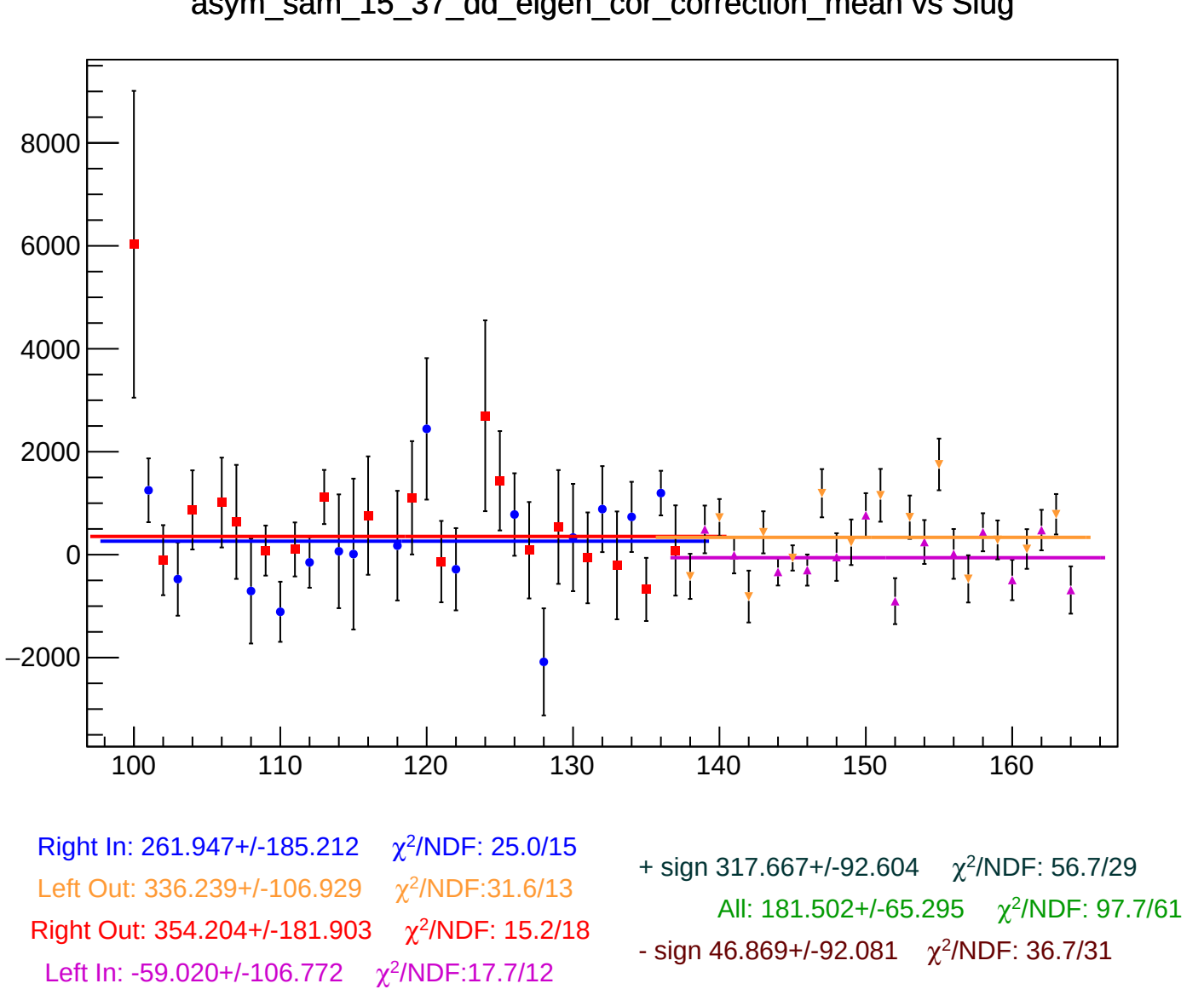
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

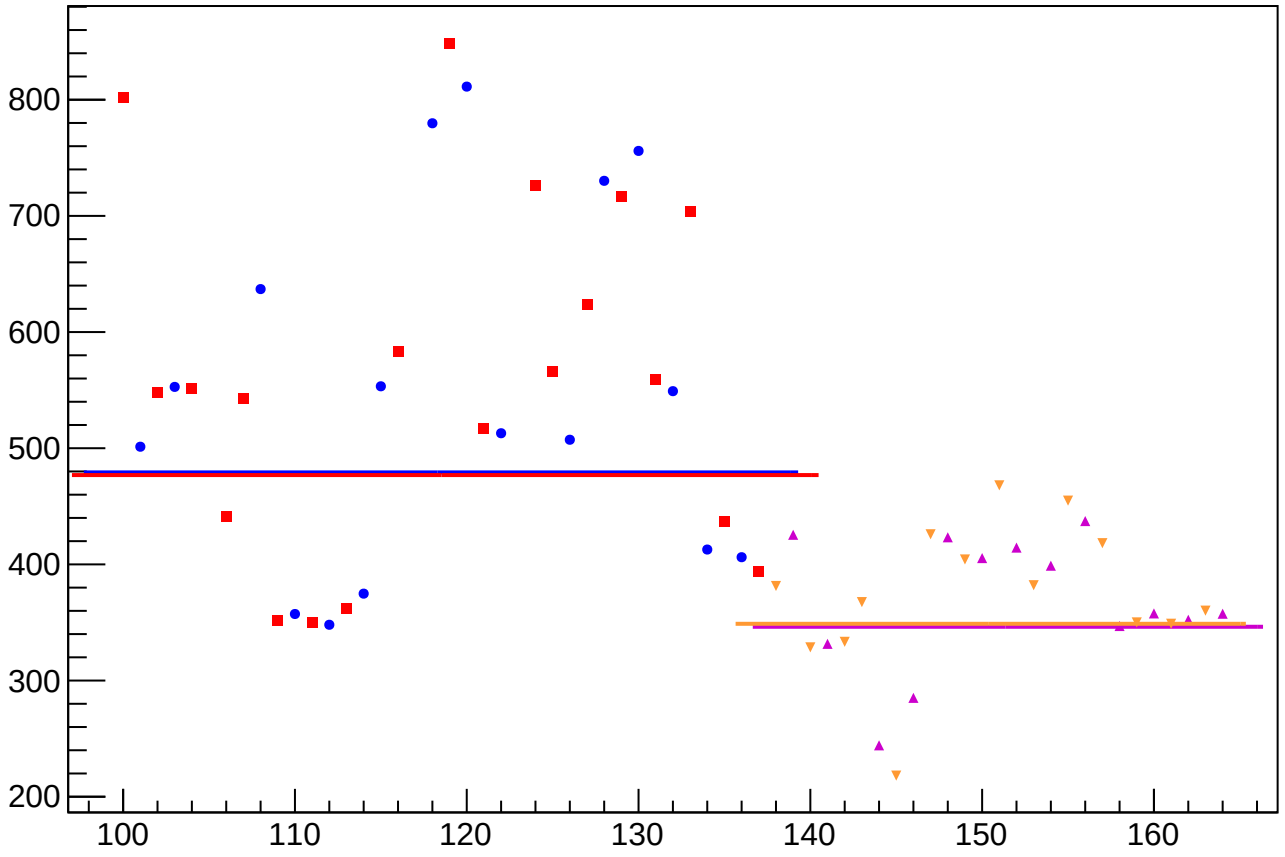
Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

+ sign 42.639+/-0.007 χ^2/NDF: 690568.5/29

All: 42.670+/-0.005 χ^2/NDF: 1459609.0/61

- 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: 336.239+/-106.929 χ²/NDF:31.6/13
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -59.020+/-106.772 χ²/NDF:17.7/12
+ sign 317.667+/-92.604 χ²/NDF: 56.7/29
All: 181.502+/-65.295 χ²/NDF: 97.7/61
- sign 46.869+/-92.081 χ²/NDF: 36.7/31



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

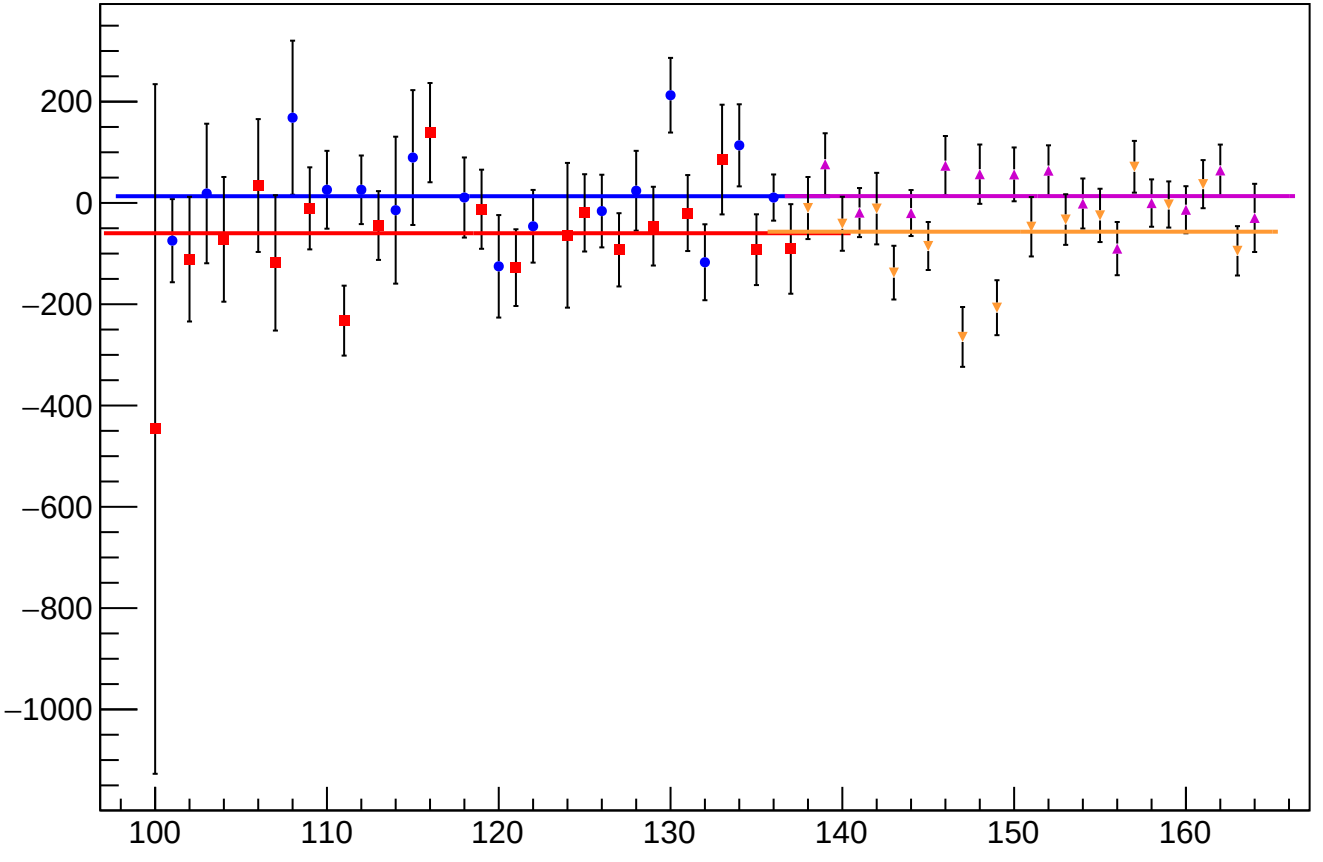
Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

+ sign 381.437+/-0.065 χ^2/NDF: 2628214.7/29

All: 380.597+/-0.046 χ^2/NDF: 5084548.7/61

- 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: -56.790+/-14.105 χ^2/NDF:36.6/13

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

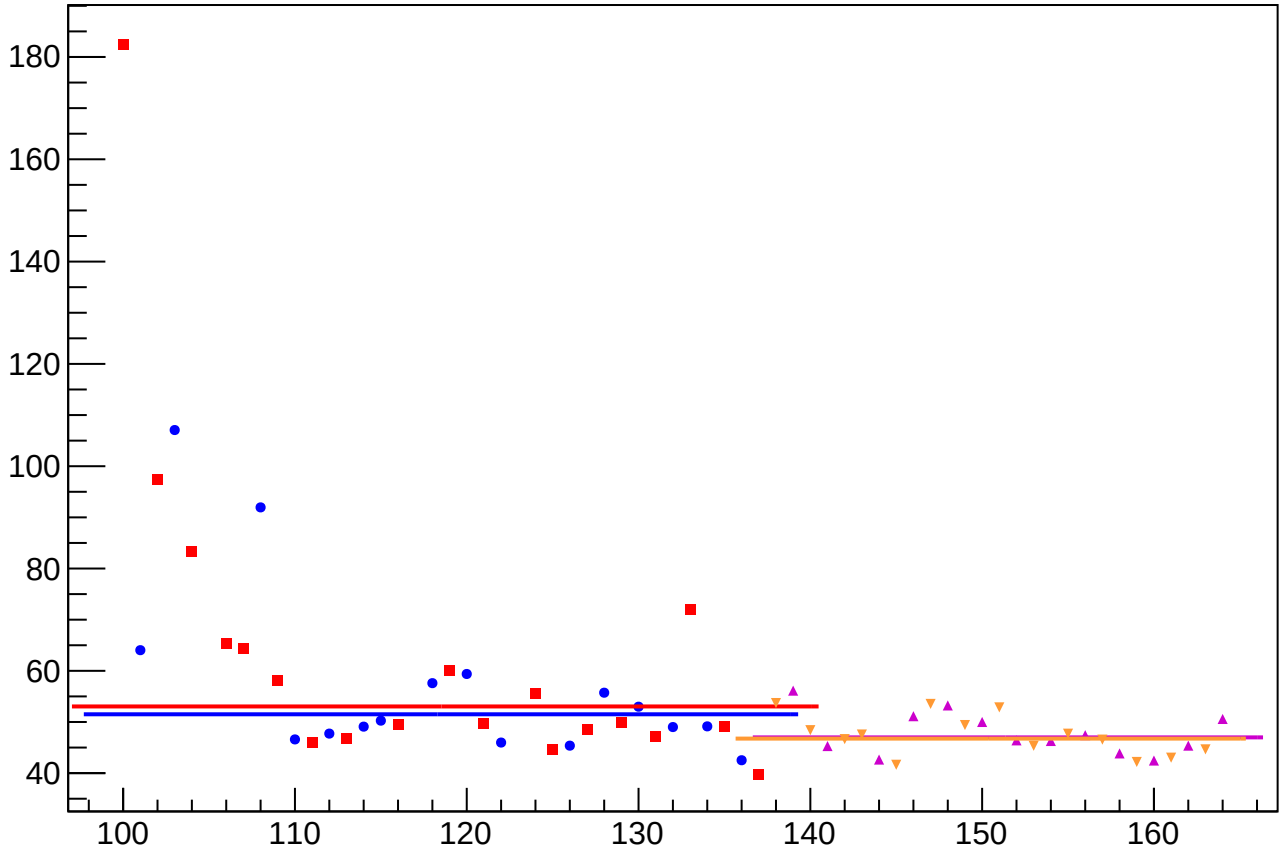
Left In: 13.487+/-14.414 χ^2/NDF:11.1/12

+ sign -33.283+/-11.498 χ^2/NDF: 62.1/29

All: -22.465+/-8.214 χ^2/NDF: 99.8/61

- 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: 46.753+/-0.010 χ^2/NDF:142562.4/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

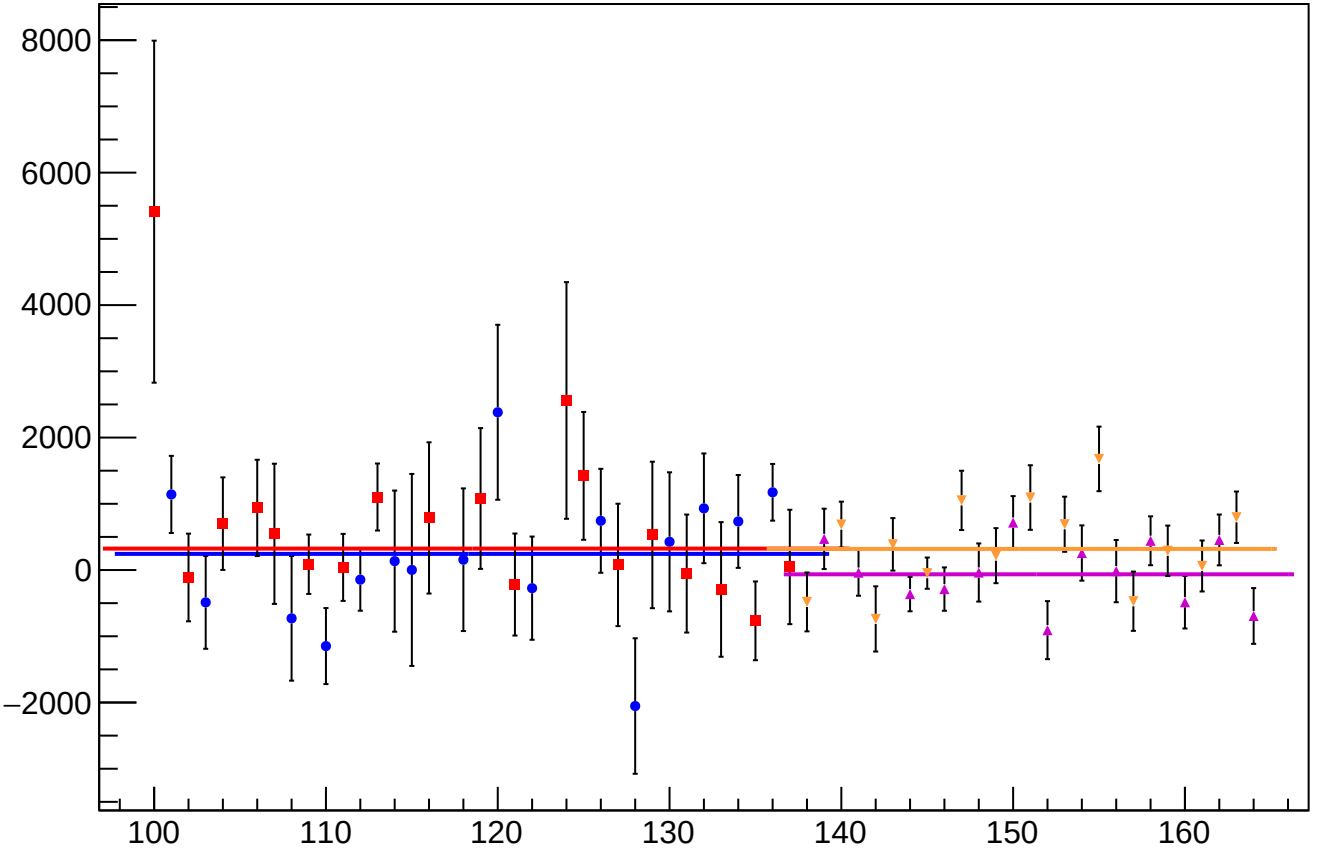
Left In: 46.991+/-0.010 χ^2/NDF:141025.1/12

+ sign 48.348+/-0.008 χ^2/NDF: 885800.7/29

All: 48.680+/-0.006 χ^2/NDF: 1861626.2/61

- 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: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

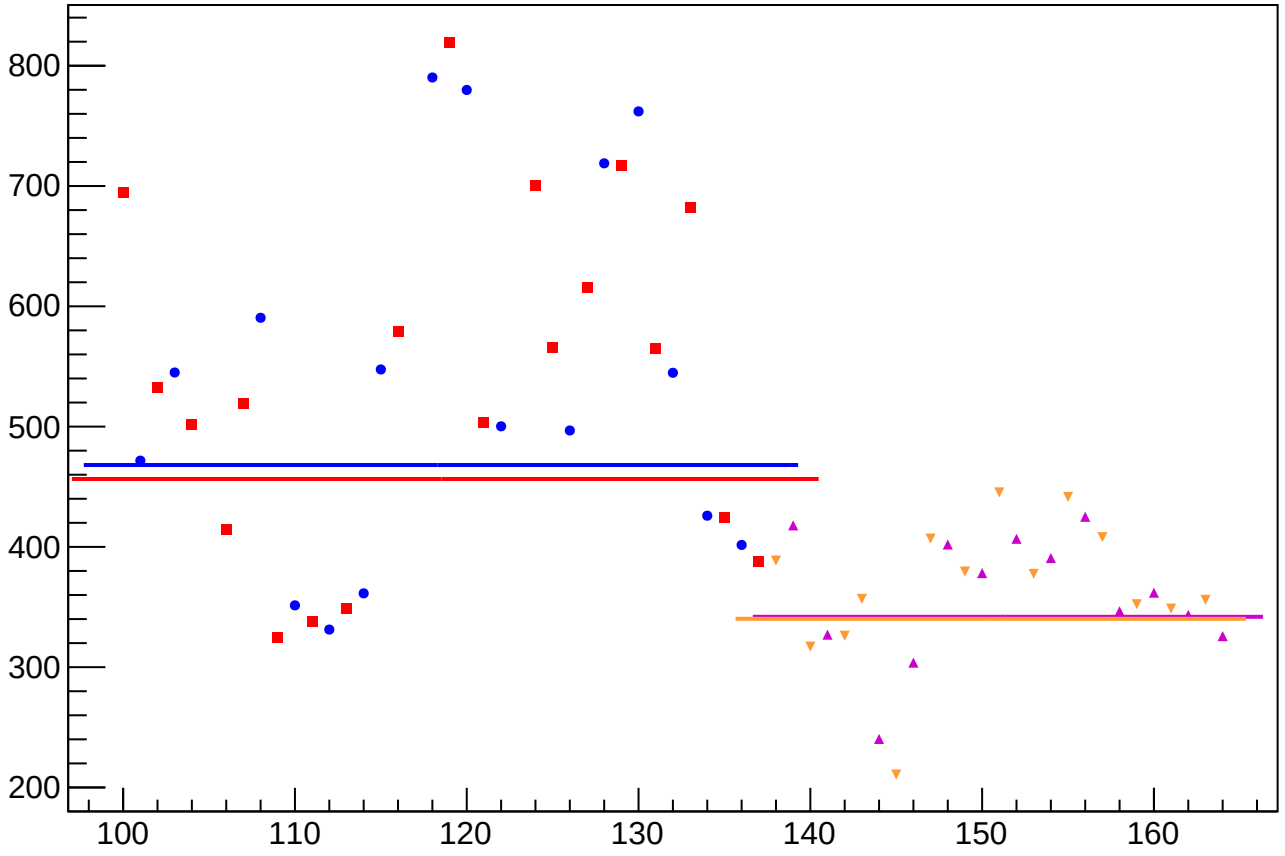
Left In: -64.522+/-105.264 χ^2/NDF:18.4/12

\+ sign 300.174+/-90.280 χ^2/NDF: 56.1/29

All: 169.601+/-63.743 χ^2/NDF: 98.7/61

\- 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: 340.220+/-0.074 χ^2/NDF:950783.9/13

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

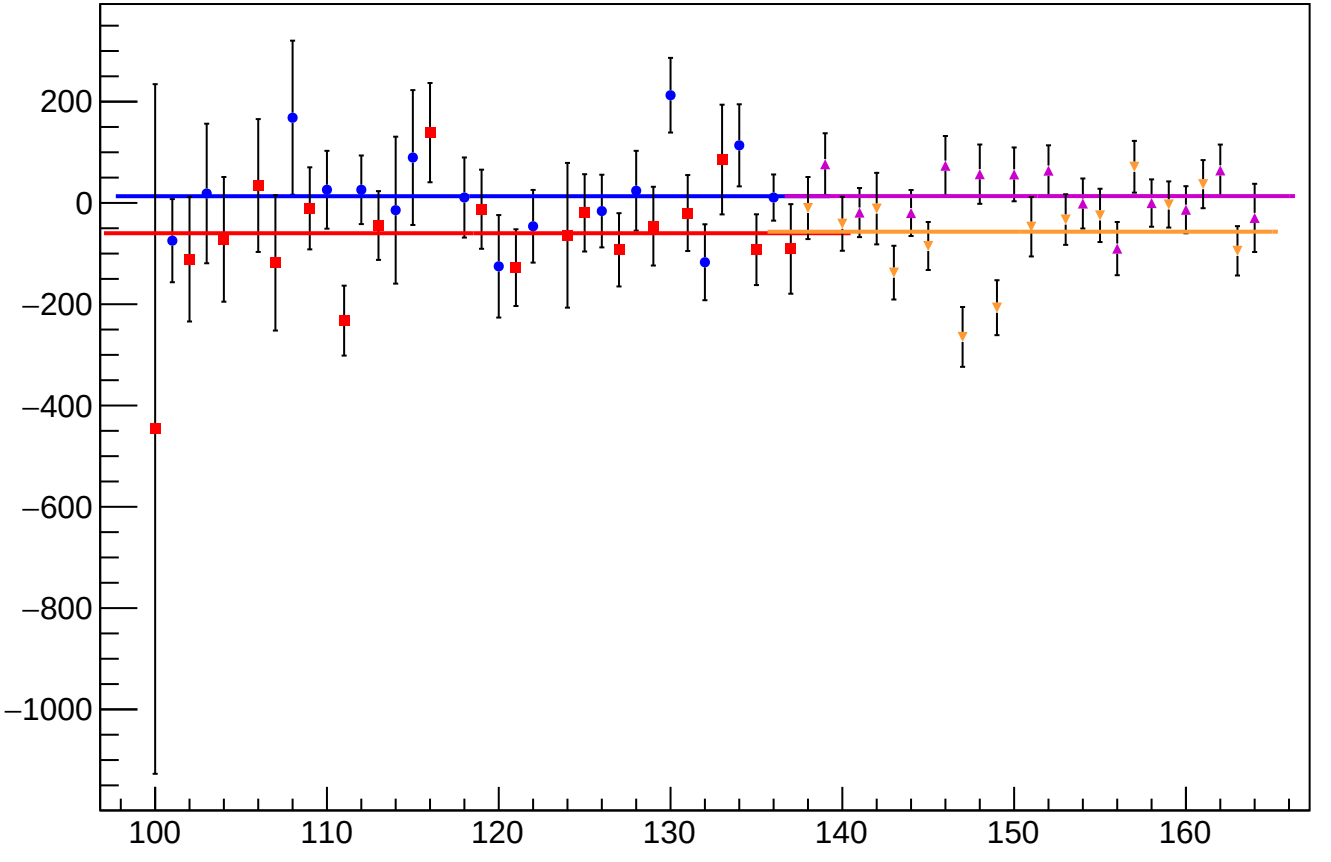
Left In: 341.894+/-0.074 χ^2/NDF:588022.4/12

+ sign 372.071+/-0.064 χ^2/NDF: 2683973.9/29

All: 372.380+/-0.045 χ^2/NDF: 4991418.4/61

- 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: -56.791+/-14.105 χ^2/NDF:36.6/13

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

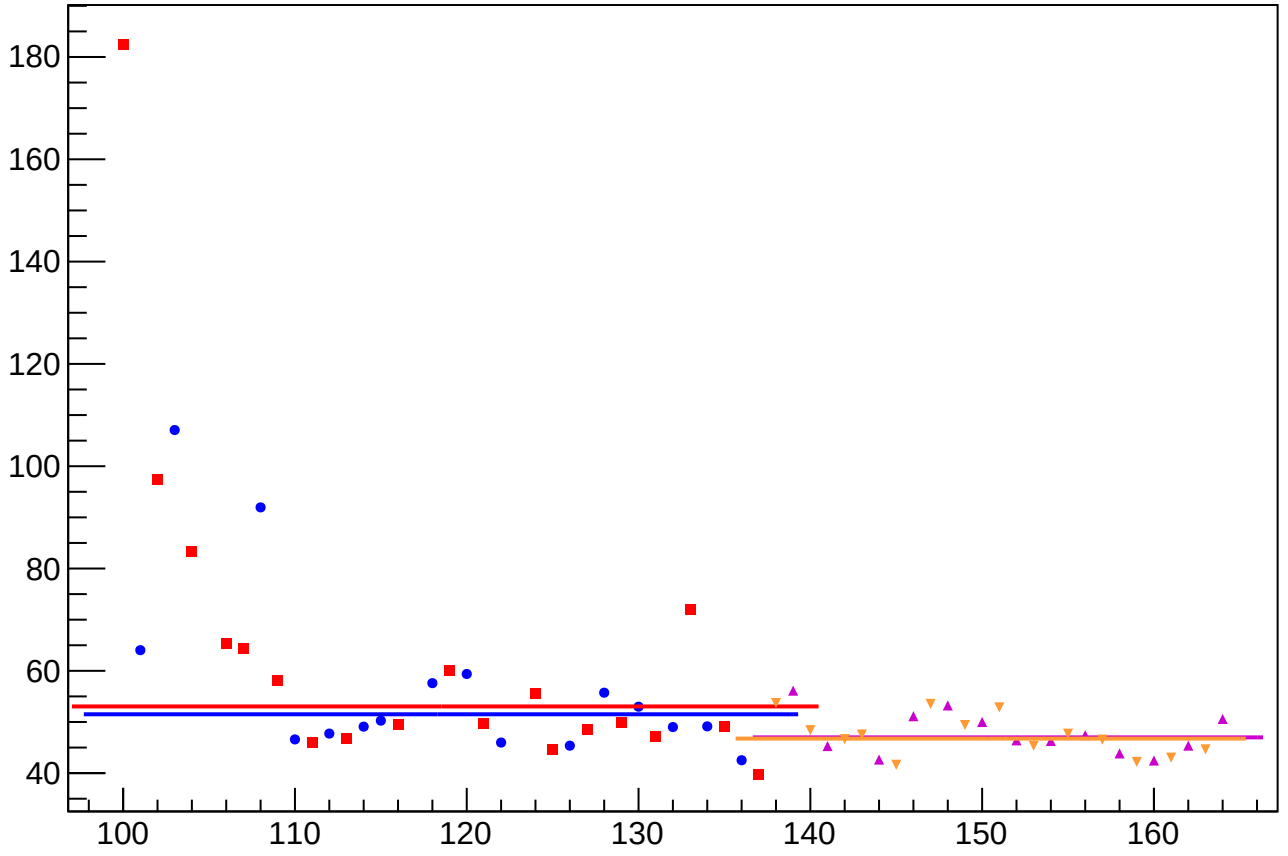
Left In: 13.487+/-14.414 χ^2/NDF:11.1/12

+ sign -33.284+/-11.498 χ^2/NDF: 62.1/29

All: -22.466+/-8.214 χ^2/NDF: 99.8/61

- 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: 46.753+/-0.010 χ^2/NDF:142565.1/13

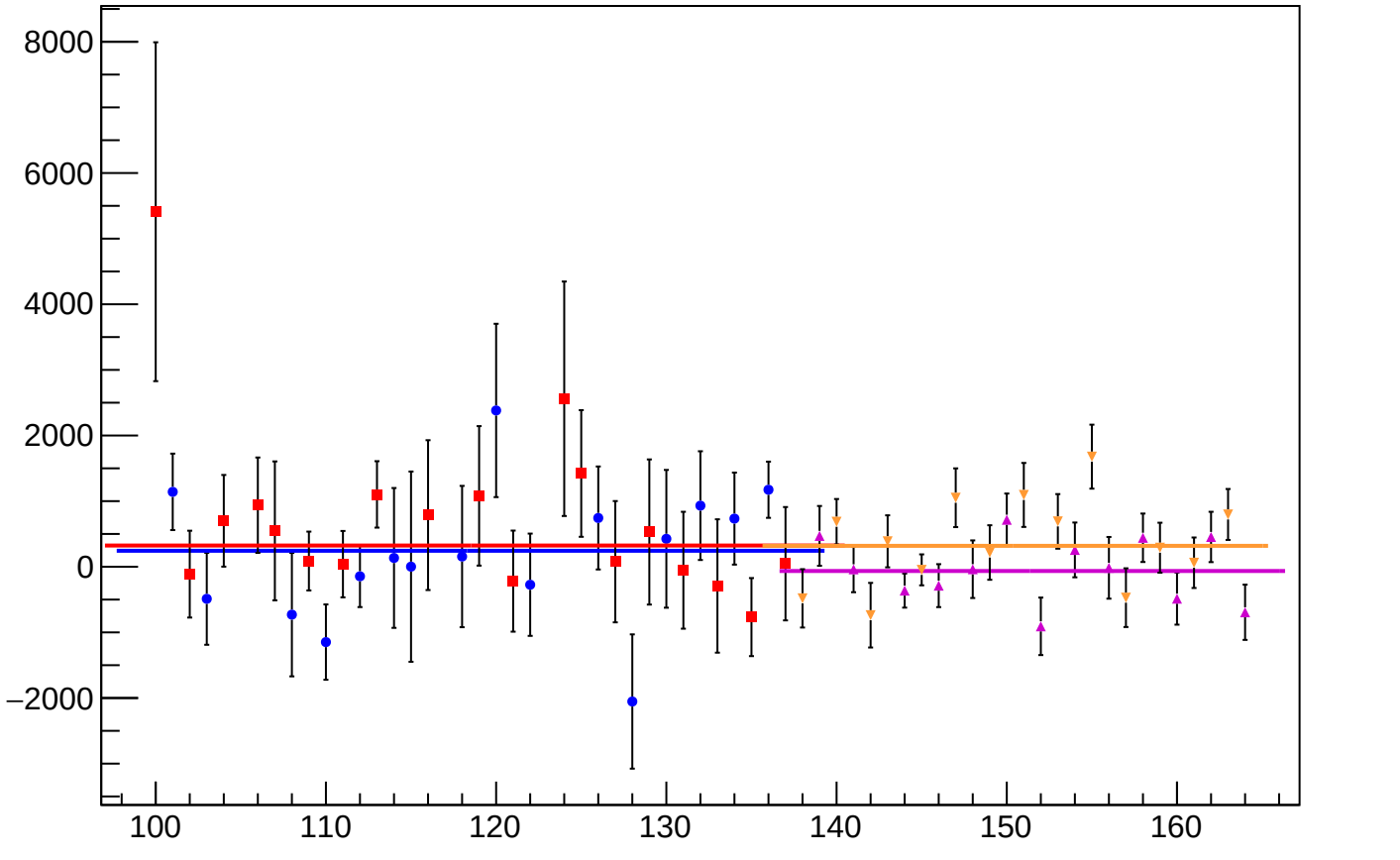
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141026.2/12

+ sign 48.348+/-0.008 χ^2/NDF: 885807.7/29

All: 48.680+/-0.006 χ^2/NDF: 1861644.3/61

- 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: 318.870+/-104.186 χ^2/NDF:30.3/13

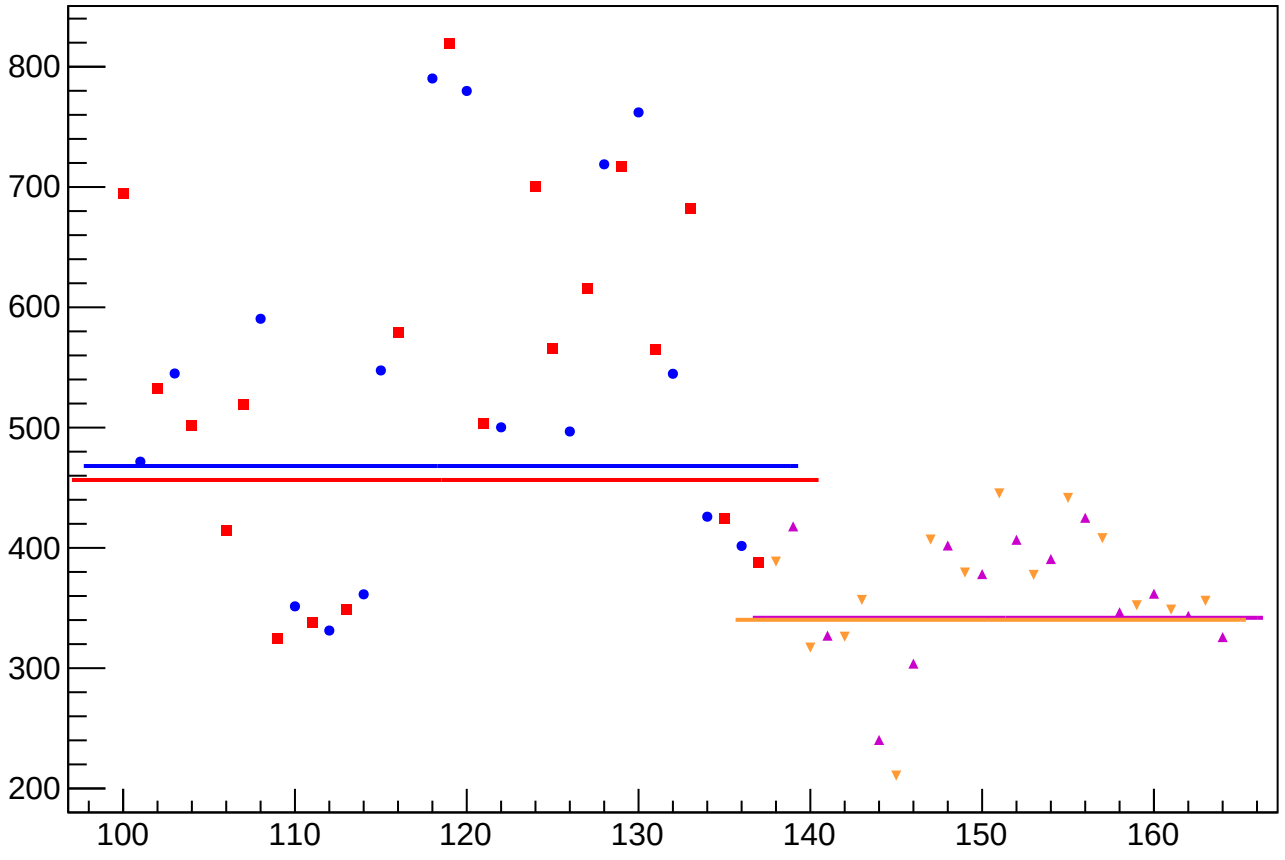
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -64.523+/-105.264 χ^2/NDF:18.4/12

\+ sign 300.174+/-90.280 χ^2/NDF: 56.1/29

All: 169.600+/-63.743 χ^2/NDF: 98.7/61

\- 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: 340.220+/-0.074 χ^2/NDF:950788.4/13

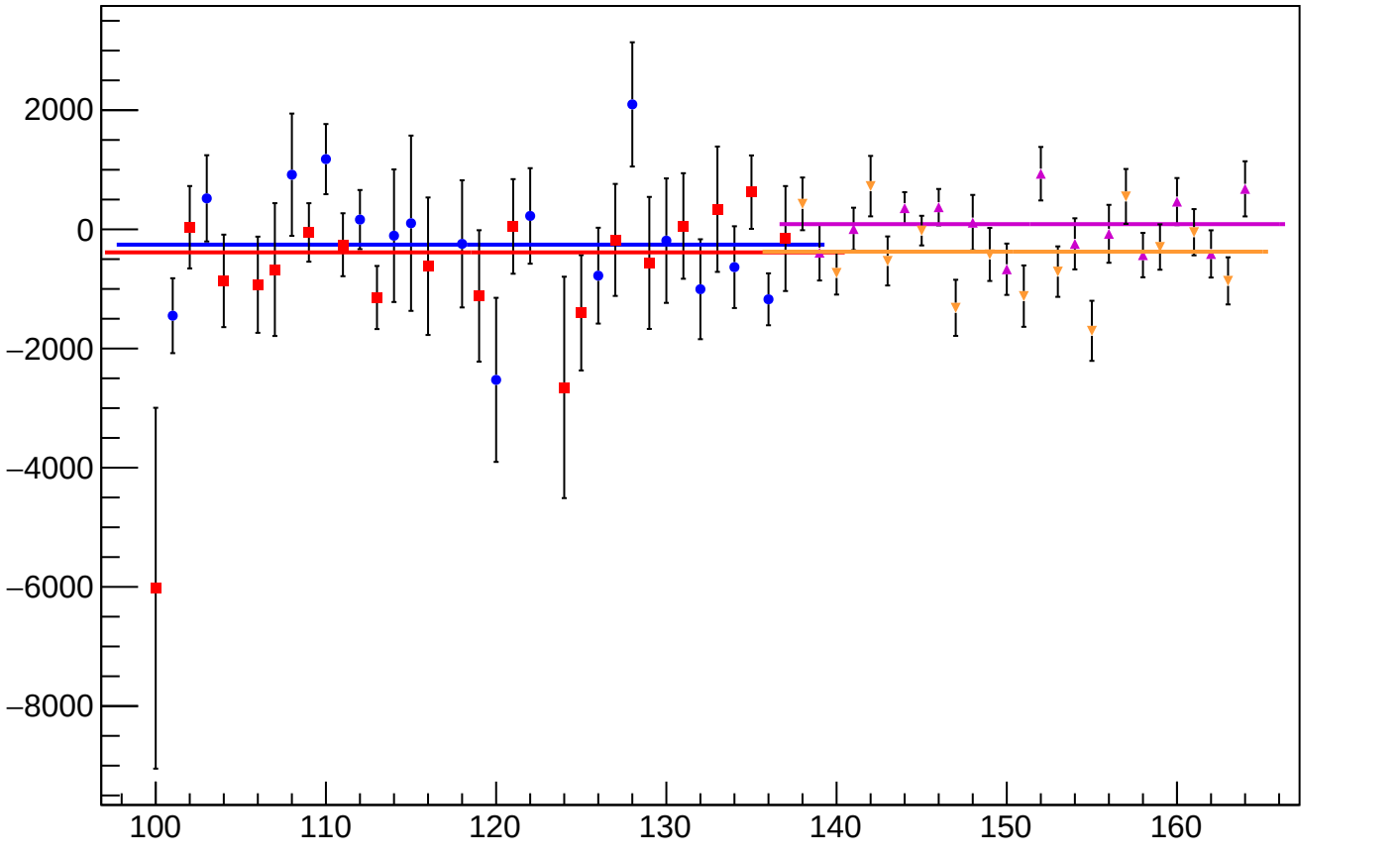
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 341.894+/-0.074 χ^2/NDF:588023.8/12

+ sign 372.071+/-0.064 χ^2/NDF: 2683972.3/29

All: 372.379+/-0.045 χ^2/NDF: 4991407.1/61

- sign 372.686+/-0.064 χ^2/NDF: 2307388.2/31



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -374.552+/-107.746 χ^2/NDF:31.1/13

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

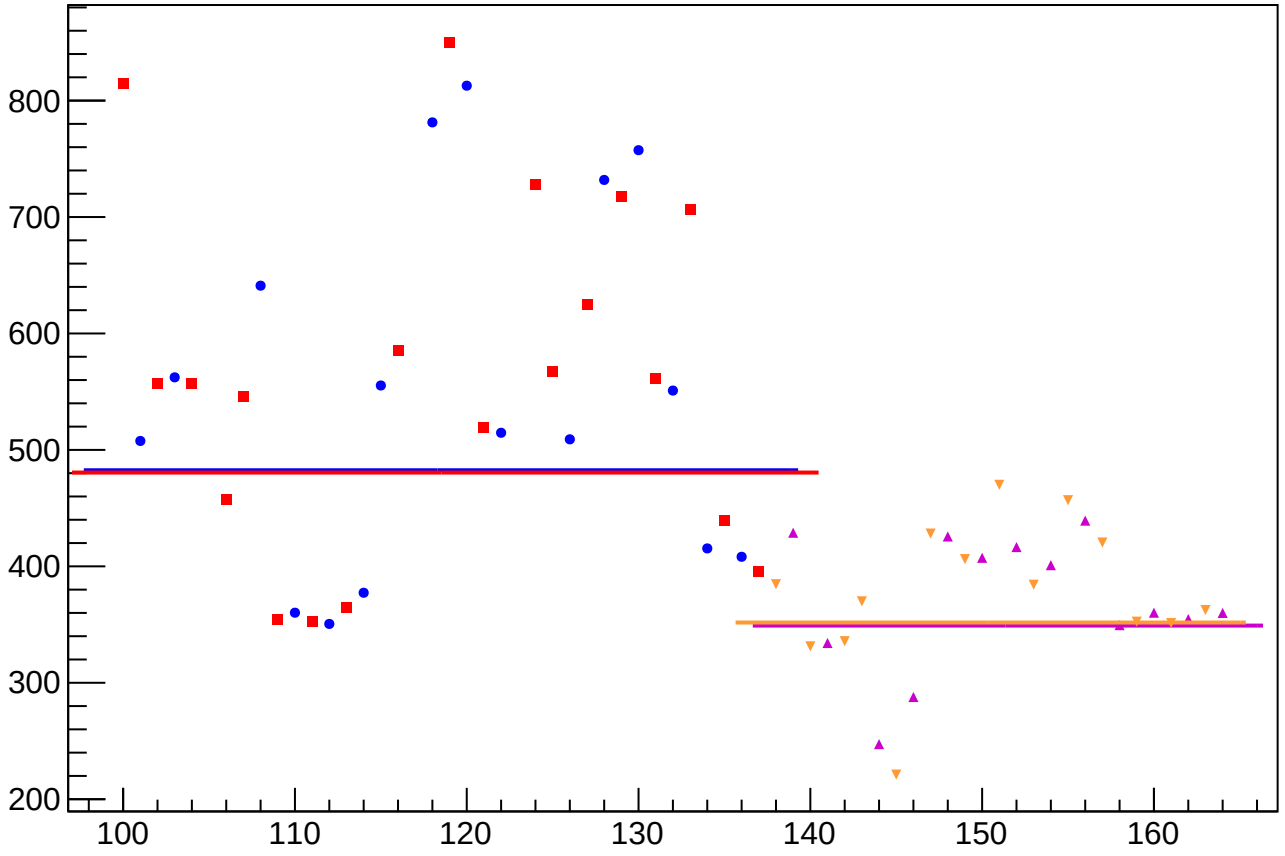
Left In: 87.314+/-107.586 χ^2/NDF:16.4/12

+ sign -345.063+/-93.291 χ^2/NDF: 58.3/29

All: -188.986+/-65.743 χ^2/NDF: 99.6/61

- 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: 351.751+/-0.076 χ^2/NDF:907144.2/13

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

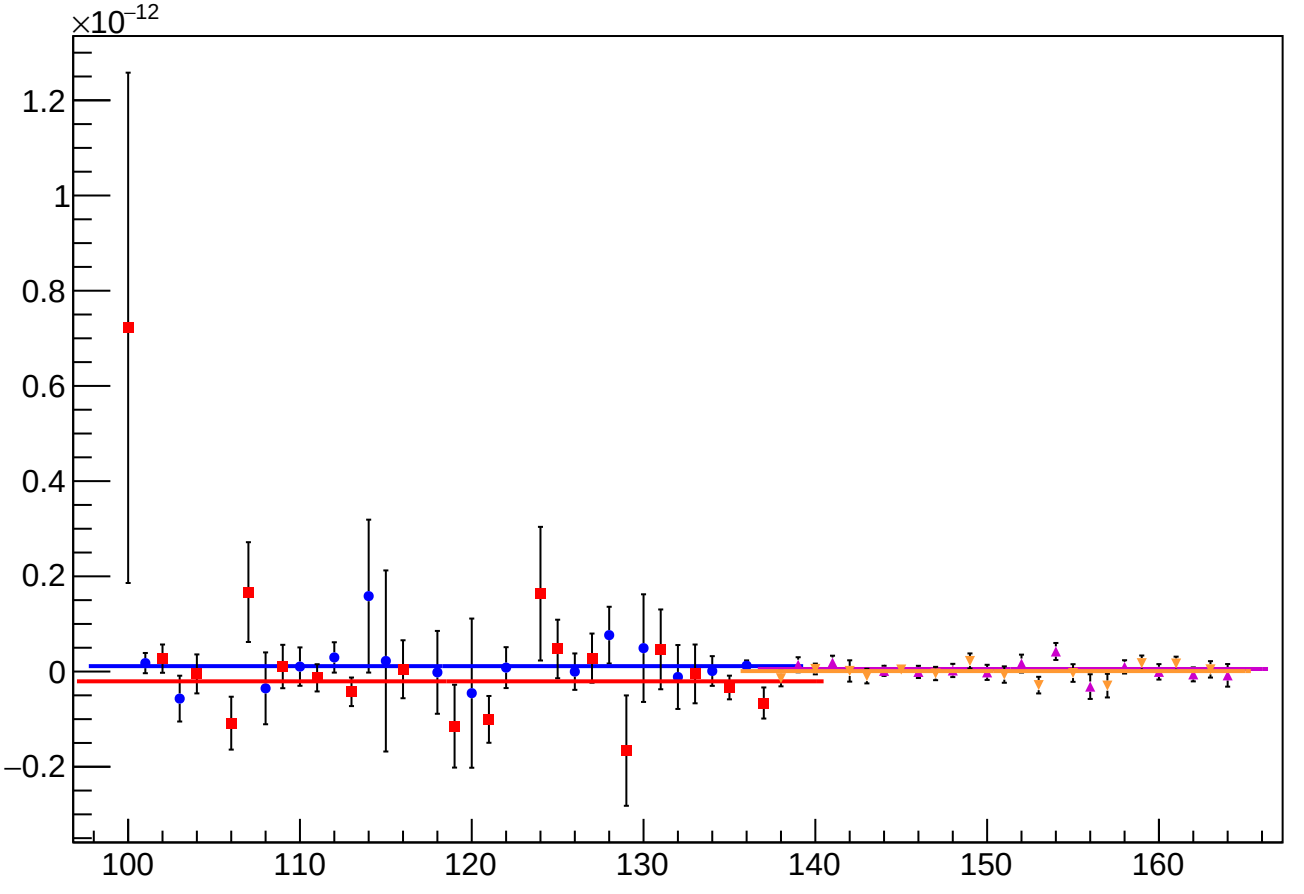
Left In: 349.114+/-0.076 χ^2/NDF:668276.3/12

+ sign 384.483+/-0.066 χ^2/NDF: 2591040.7/29

All: 383.763+/-0.046 χ^2/NDF: 5024144.6/61

- sign 383.052+/-0.066 χ^2/NDF: 2432866.8/31

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

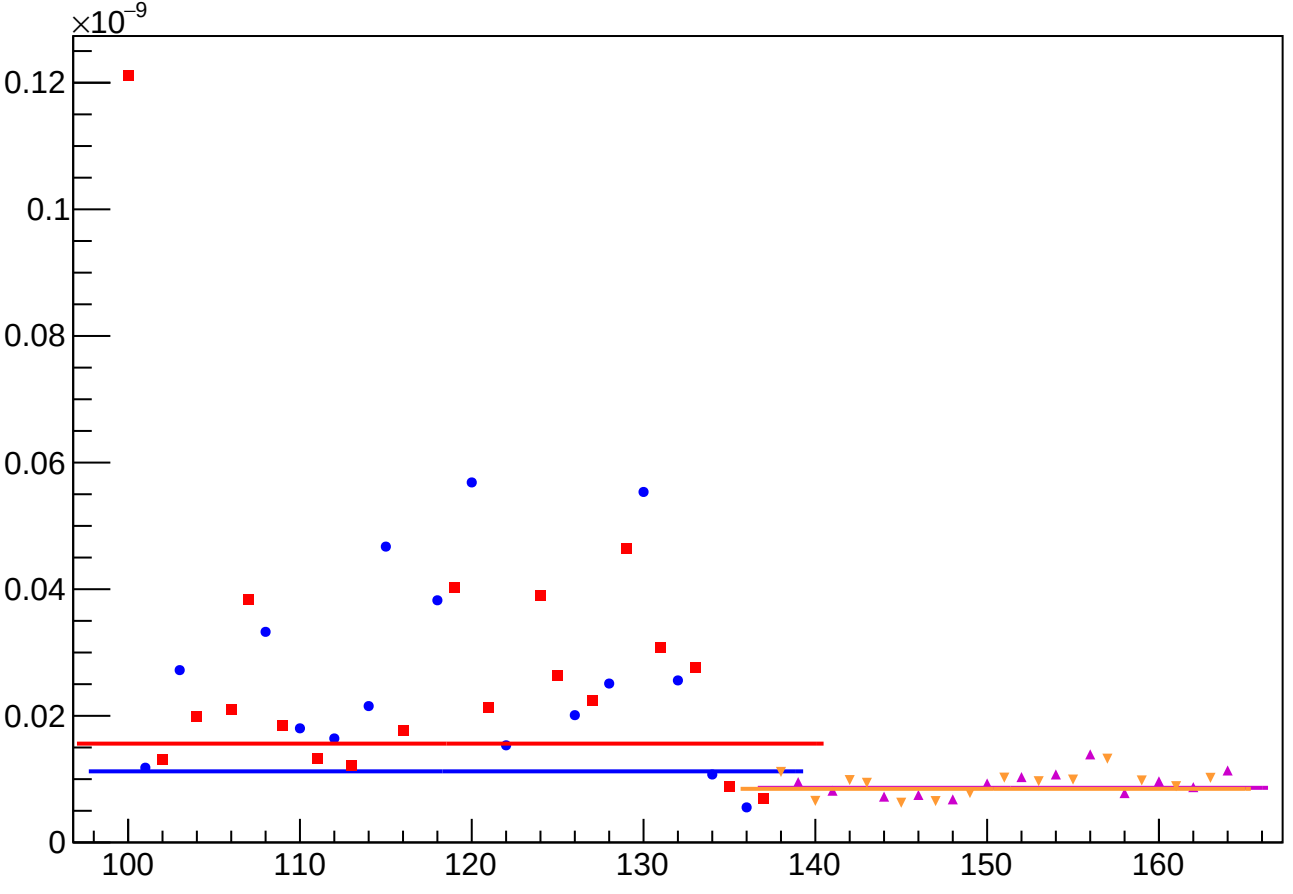
Left In: 0.000+/-0.000 χ^2/NDF:9.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 17.1/29

All: 0.000+/-0.000 χ^2/NDF: 55.9/61

- 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:417564.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

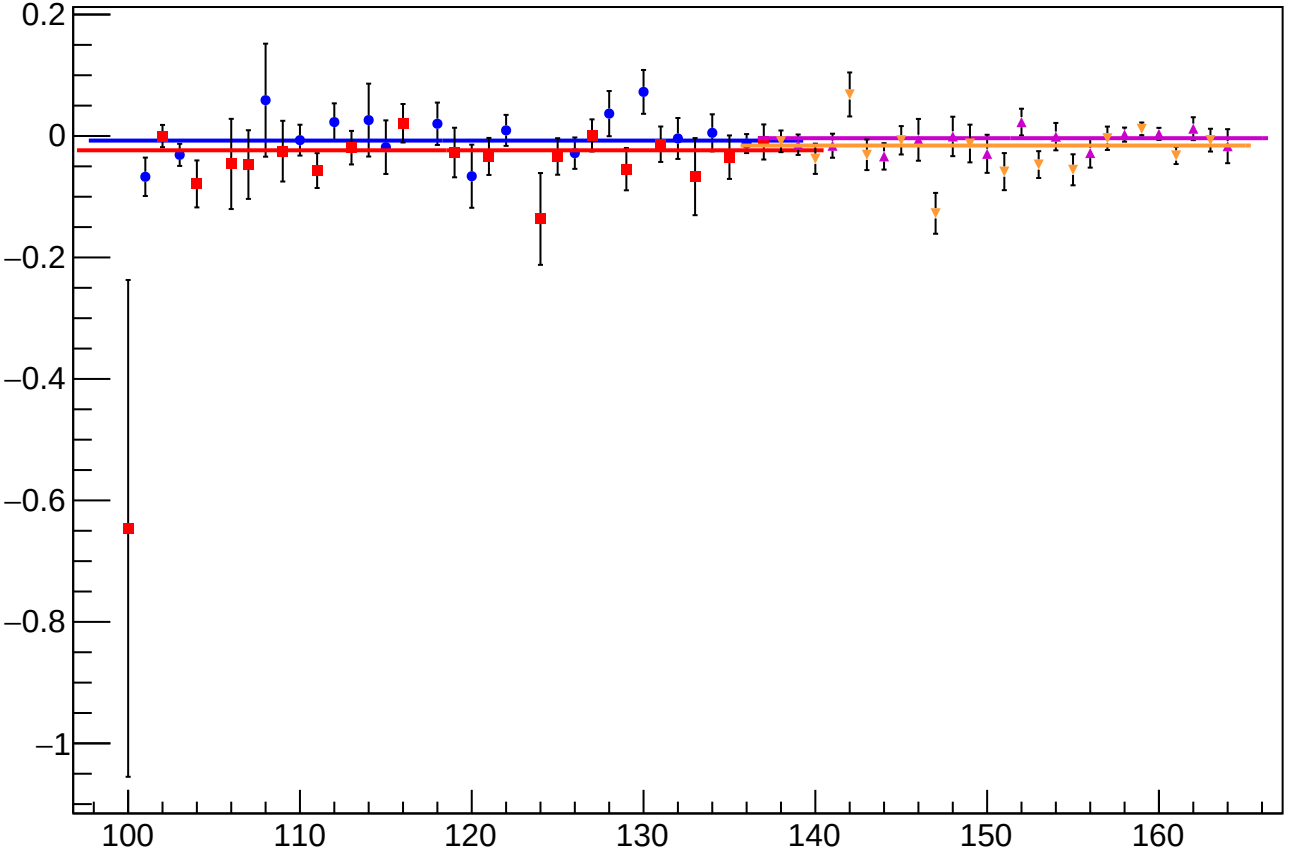
Left In: 0.000+/-0.000 χ^2/NDF:265180.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 2710092.0/29

All: 0.000+/-0.000 χ^2/NDF: 4976725.8/61

- 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: -0.016+/-0.005 χ^2/NDF:33.1/13

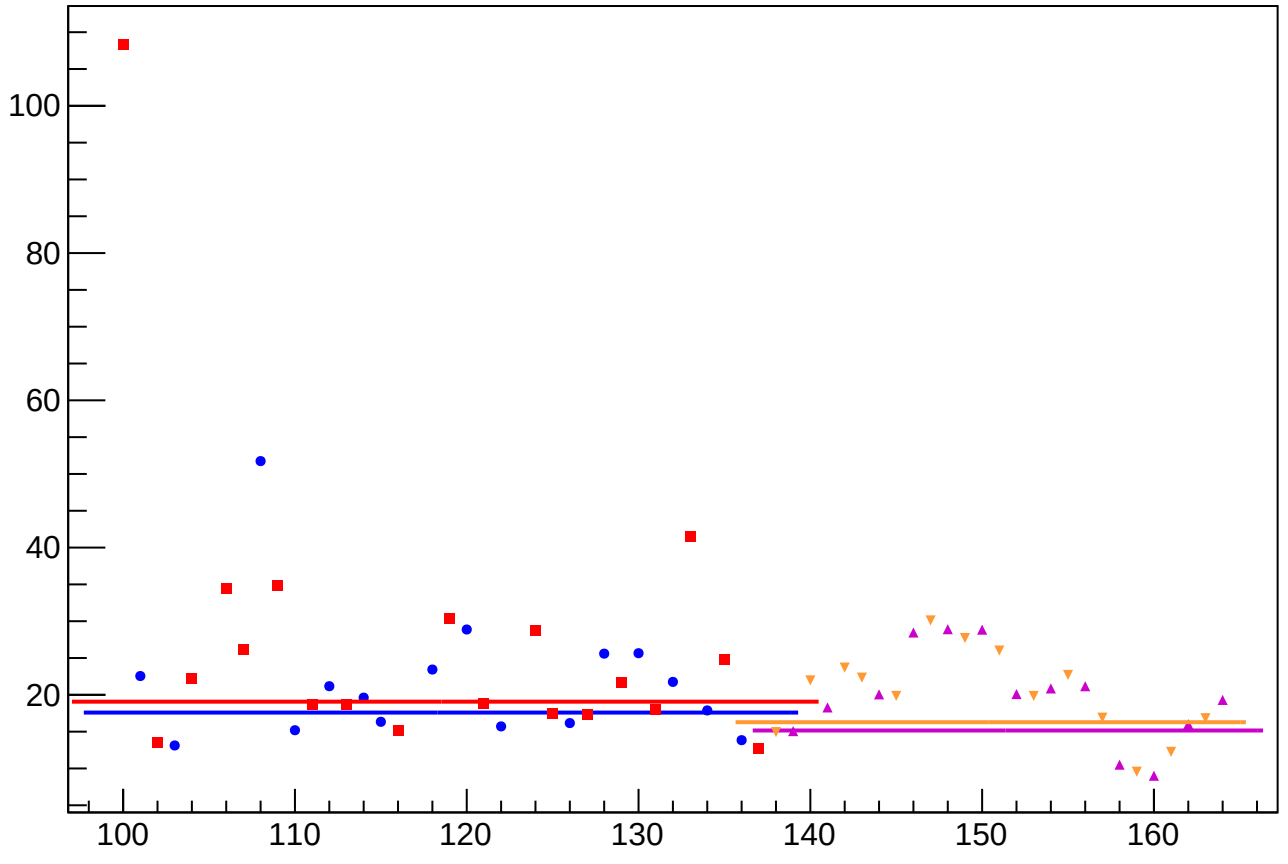
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/61

- 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: 16.283+/-0.004 χ^2/NDF:2341706.8/13

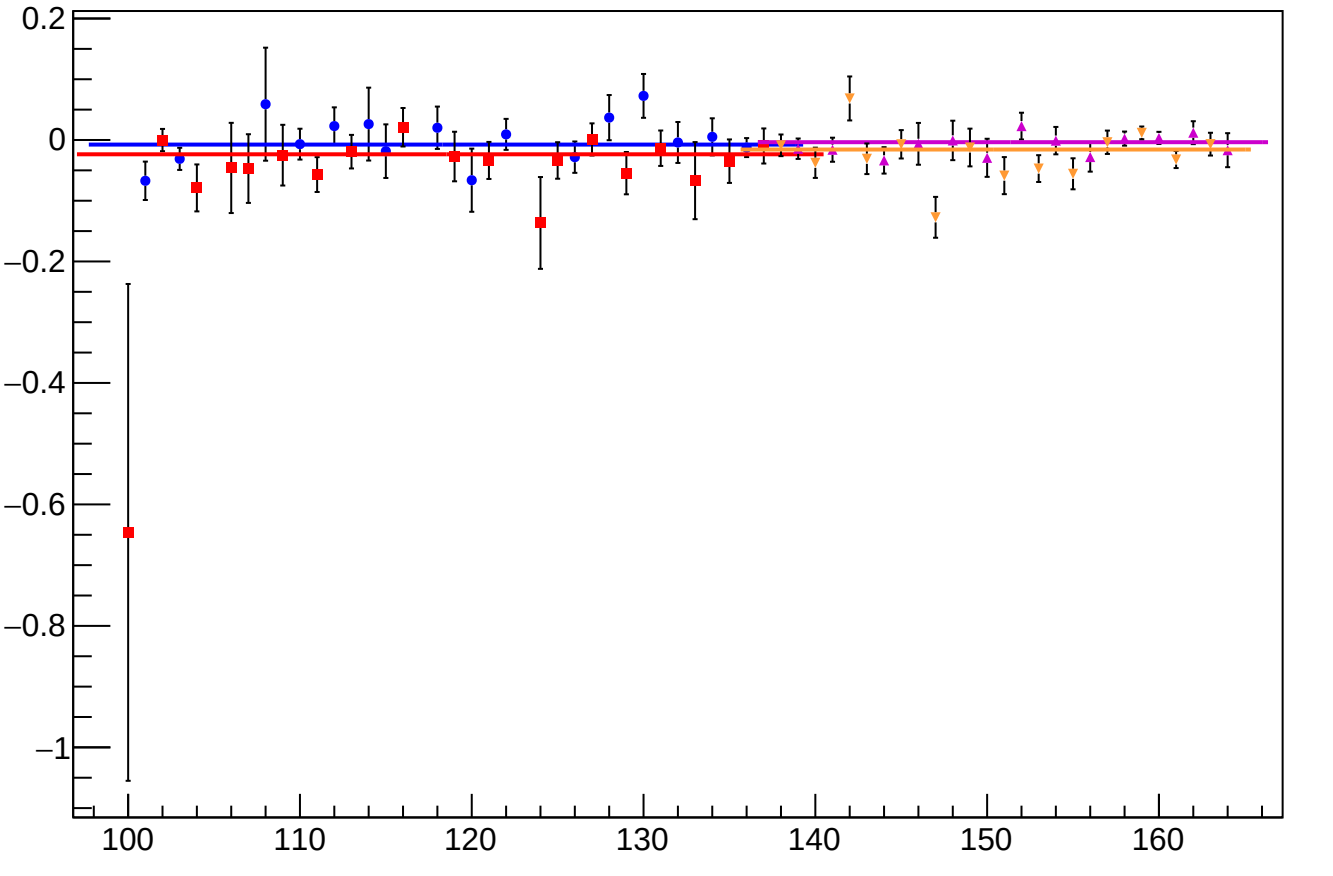
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

+ sign 16.746+/-0.003 χ^2/NDF: 3377594.4/29

All: 16.545+/-0.002 χ^2/NDF: 7657531.1/61

- 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: -0.016+/-0.005 χ^2/NDF:33.1/13

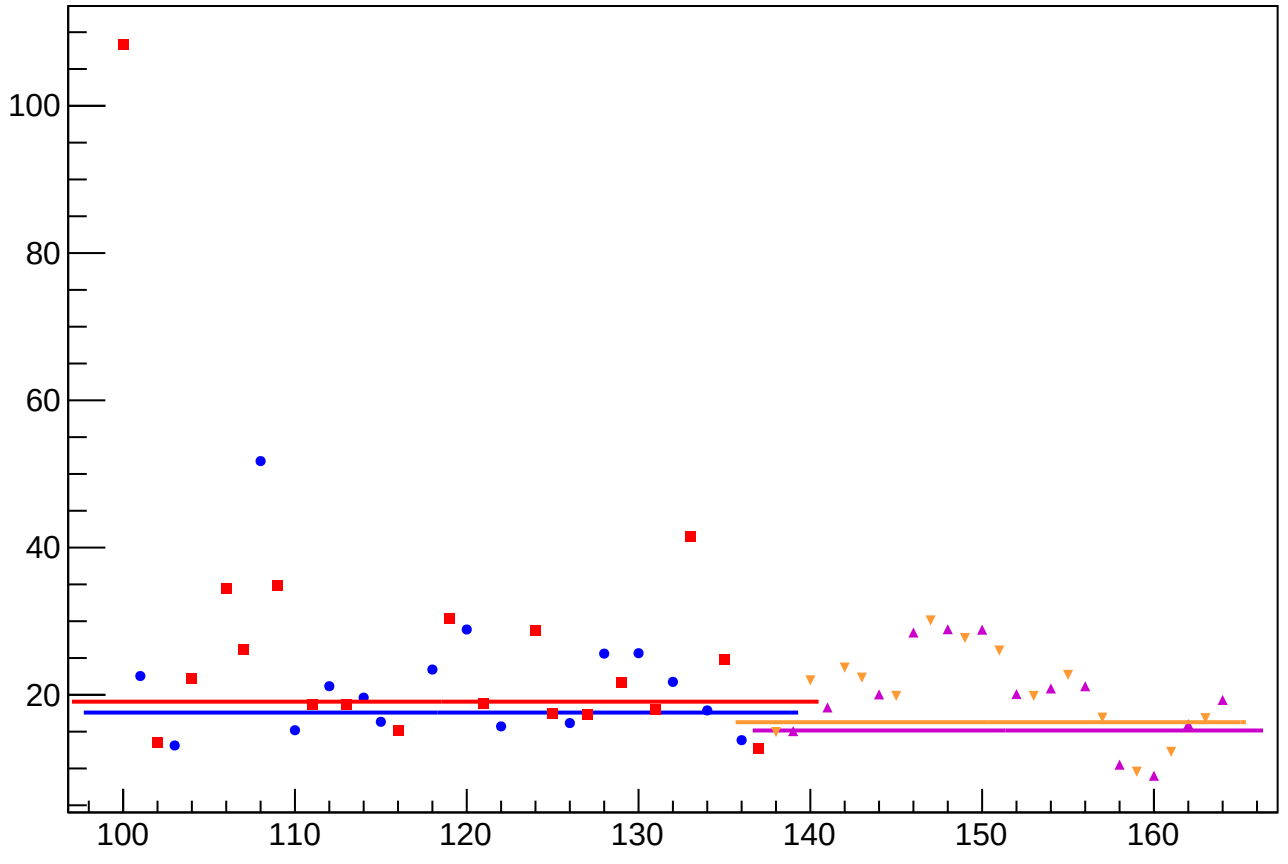
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/61

- 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: 16.283+/-0.004 χ^2/NDF:2341706.8/13

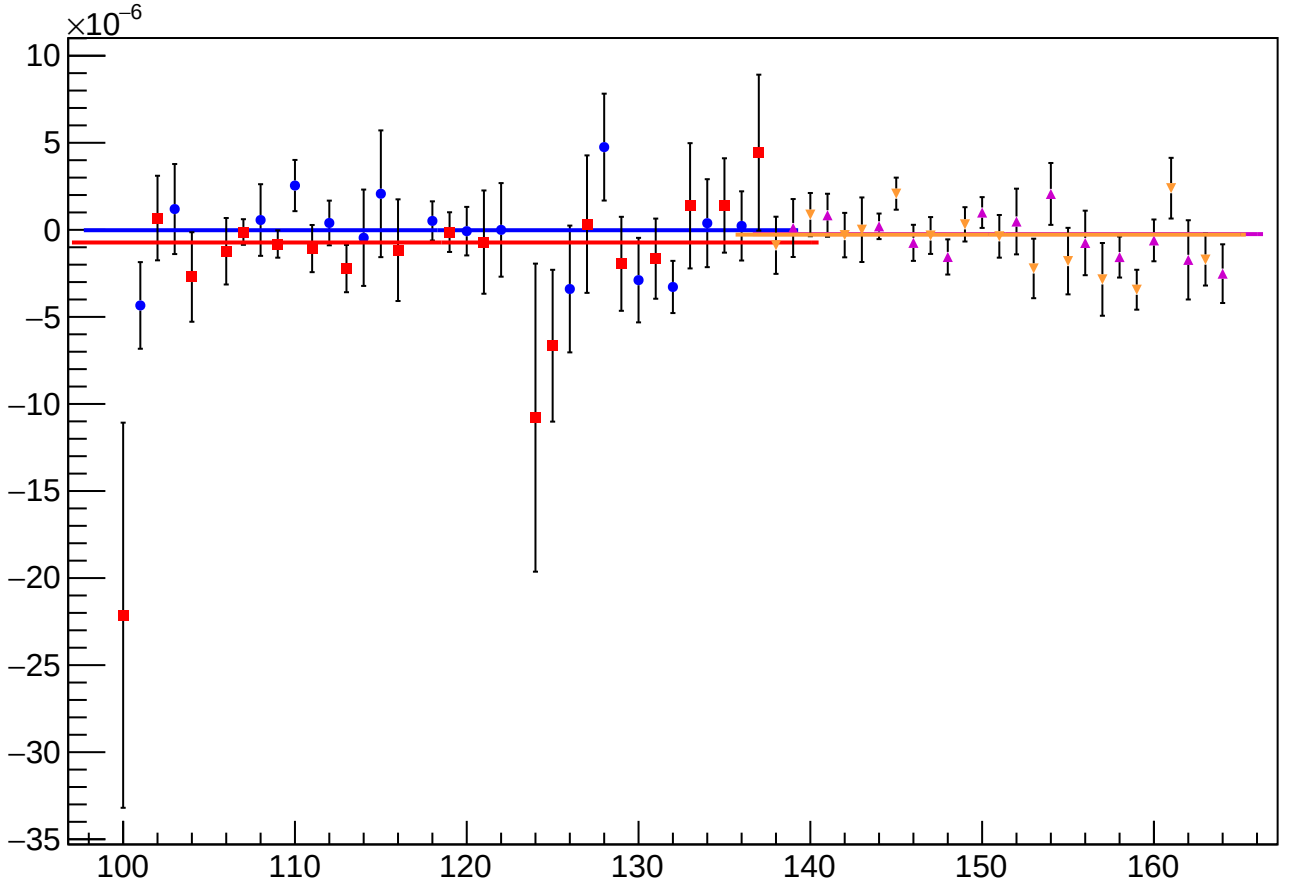
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

+ sign 16.746+/-0.003 χ^2/NDF: 3377594.4/29

All: 16.545+/-0.002 χ^2/NDF: 7657531.1/61

- 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:22.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

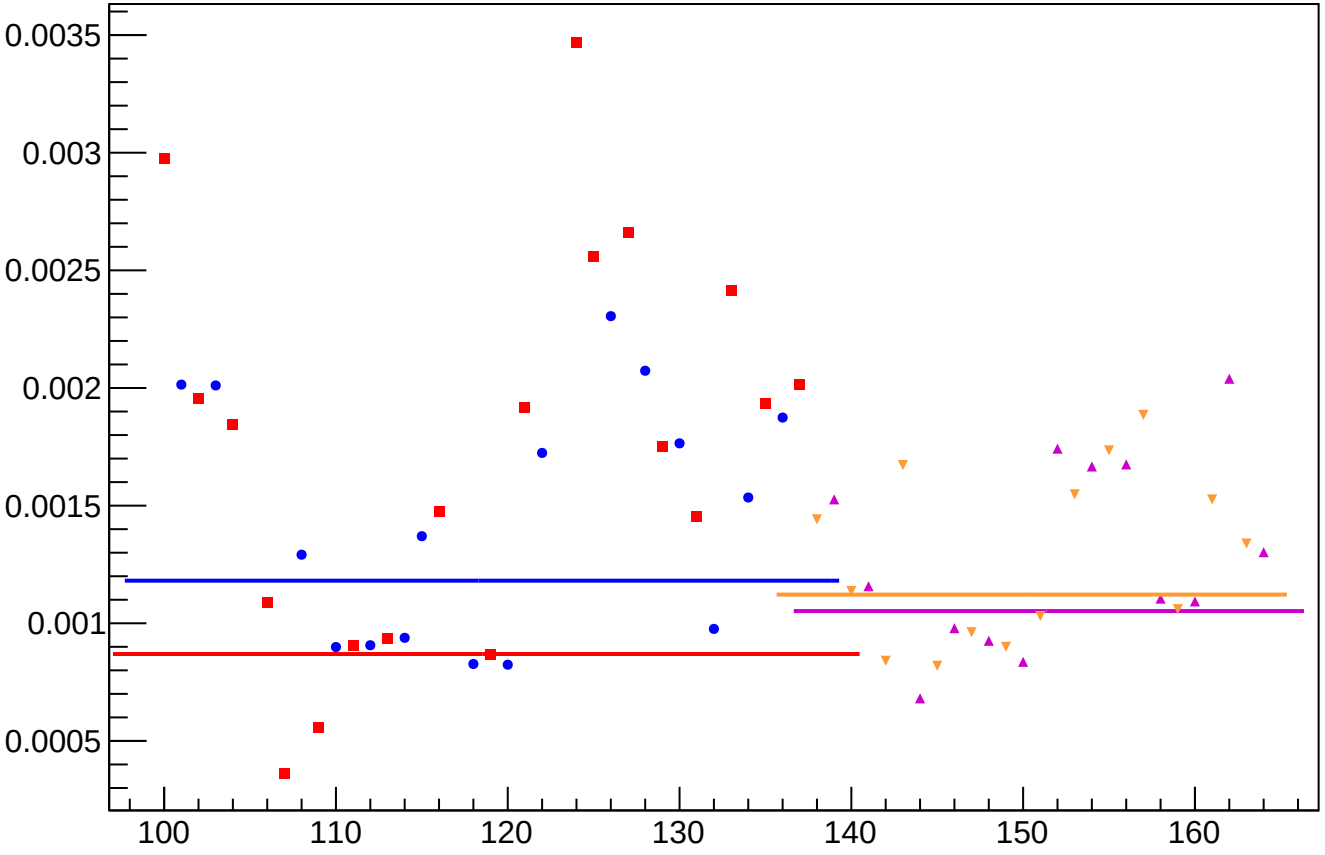
Left In: -0.000+/-0.000 χ^2/NDF:10.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/29

All: -0.000+/-0.000 χ^2/NDF: 63.8/61

- sign -0.000+/-0.000 χ^2/NDF: 24.3/31

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1476701.8/13

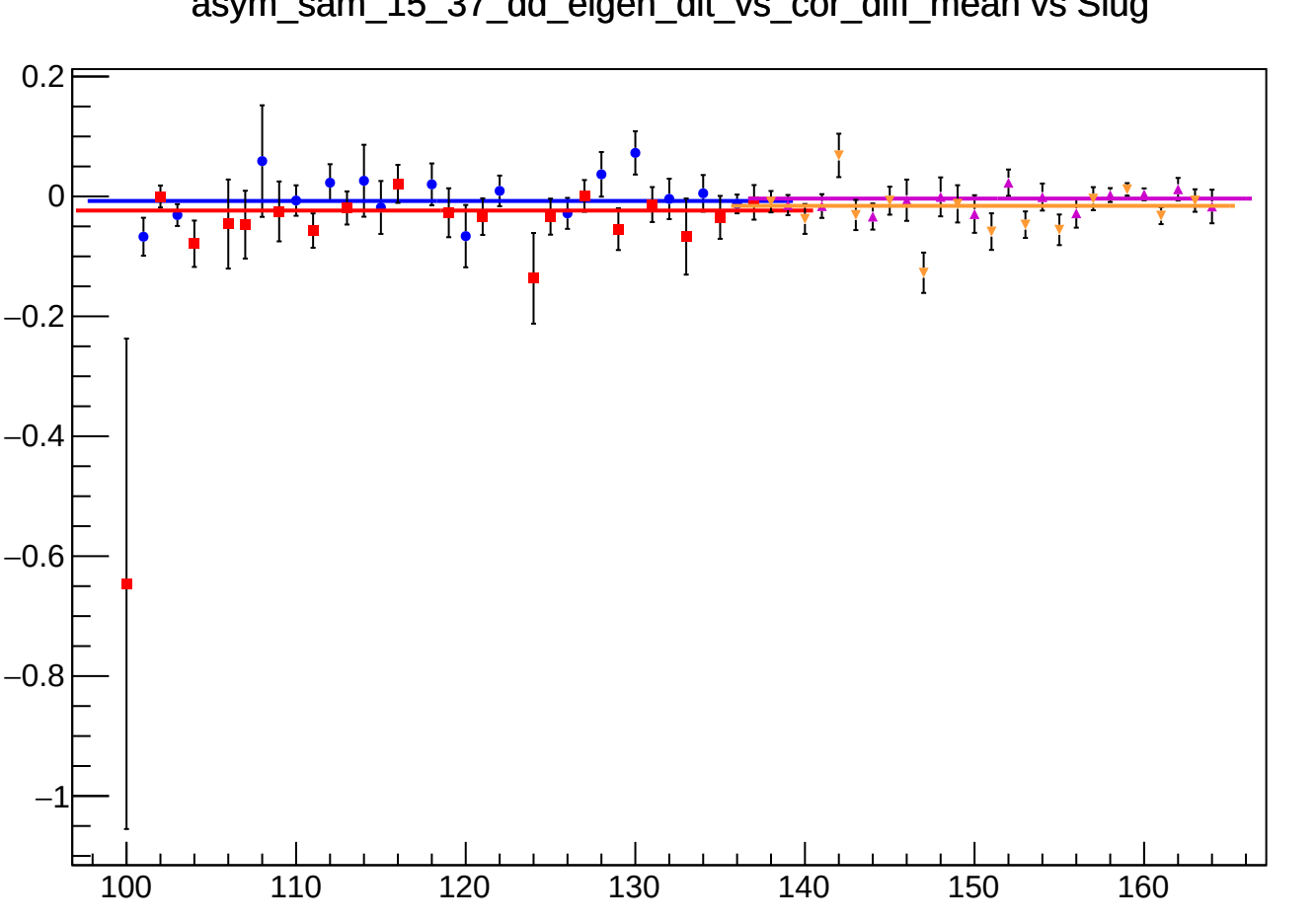
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2008311.0/12

+ sign 0.001+/-0.000 χ^2/NDF: 3325157.2/29

All: 0.001+/-0.000 χ^2/NDF: 10434734.7/61

- sign 0.001+/-0.000 χ^2/NDF: 6702442.3/31



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

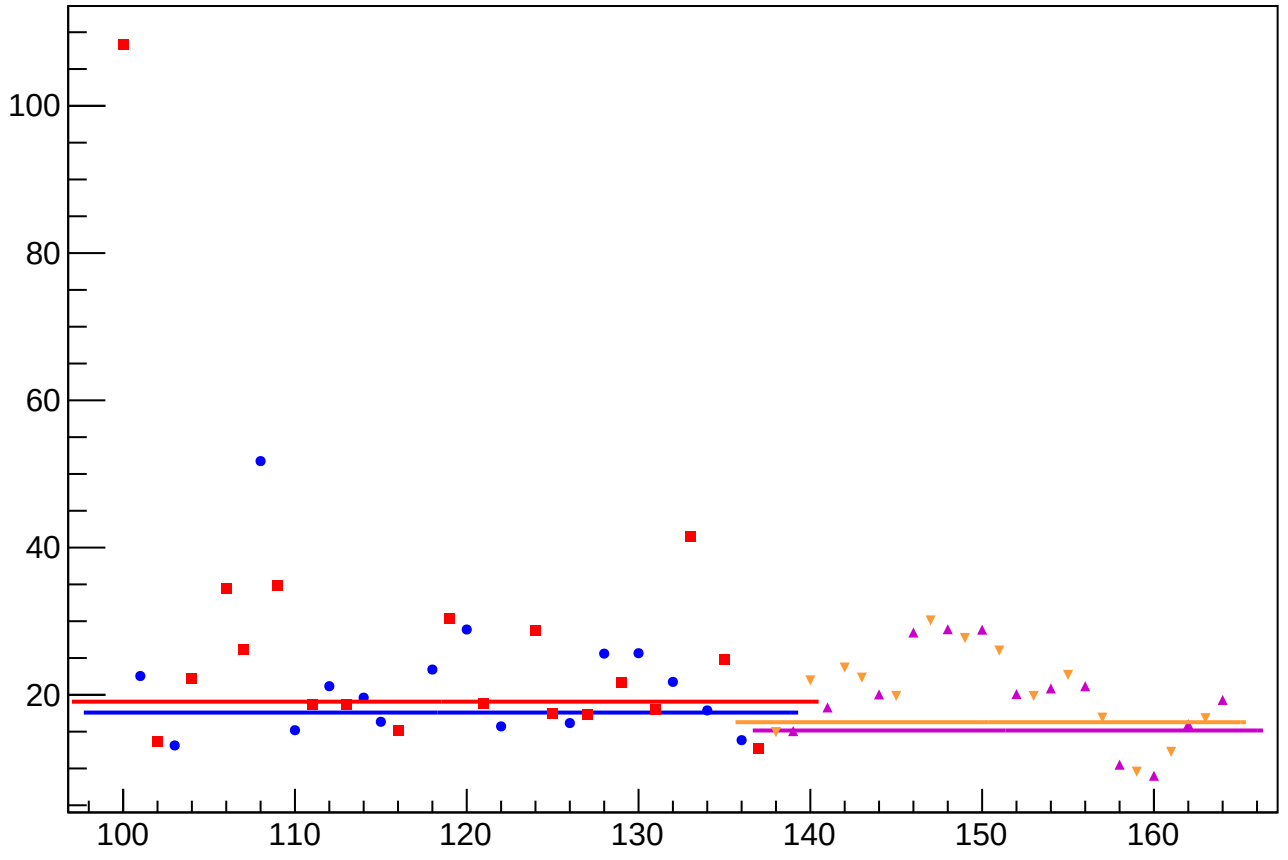
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/61

- 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: 16.283+/-0.004 χ^2/NDF:2341998.5/13

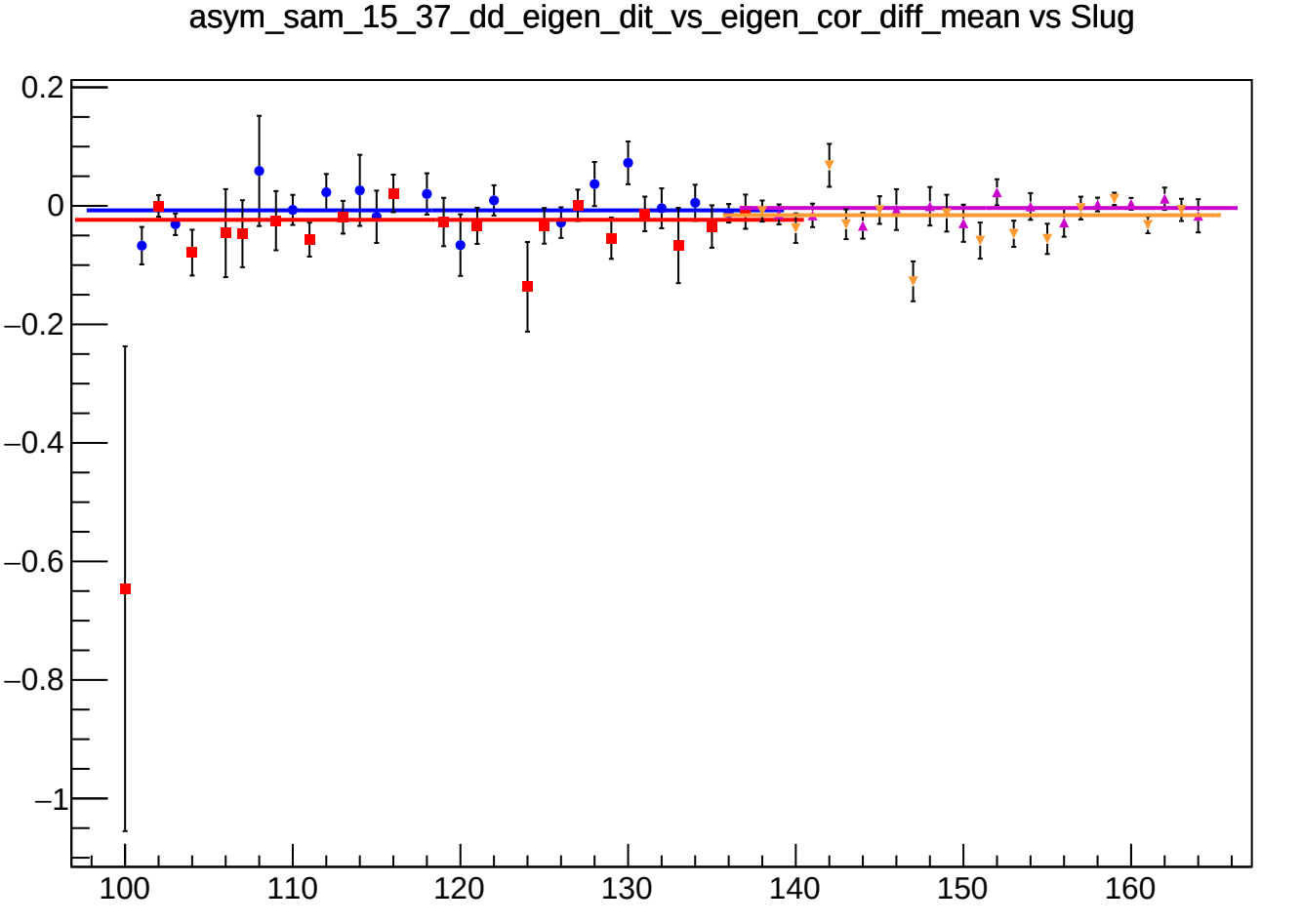
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

\+ sign 16.746+/-0.003 χ^2/NDF: 3377950.6/29

All: 16.545+/-0.002 χ^2/NDF: 7658294.5/61

\- 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: -0.016+/-0.005 χ^2/NDF:33.1/13

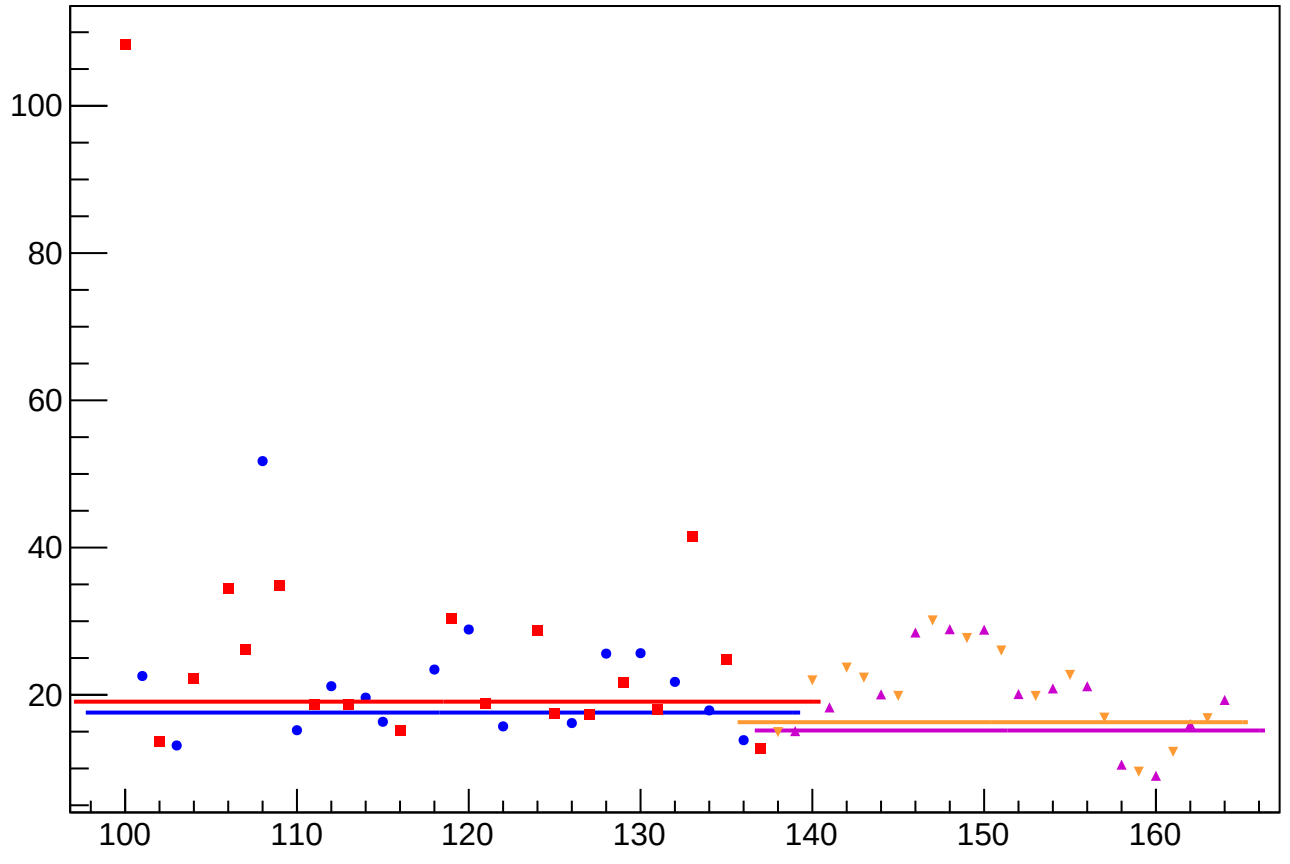
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/61

- 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: 16.283+/-0.004 χ^2/NDF:2341998.5/13

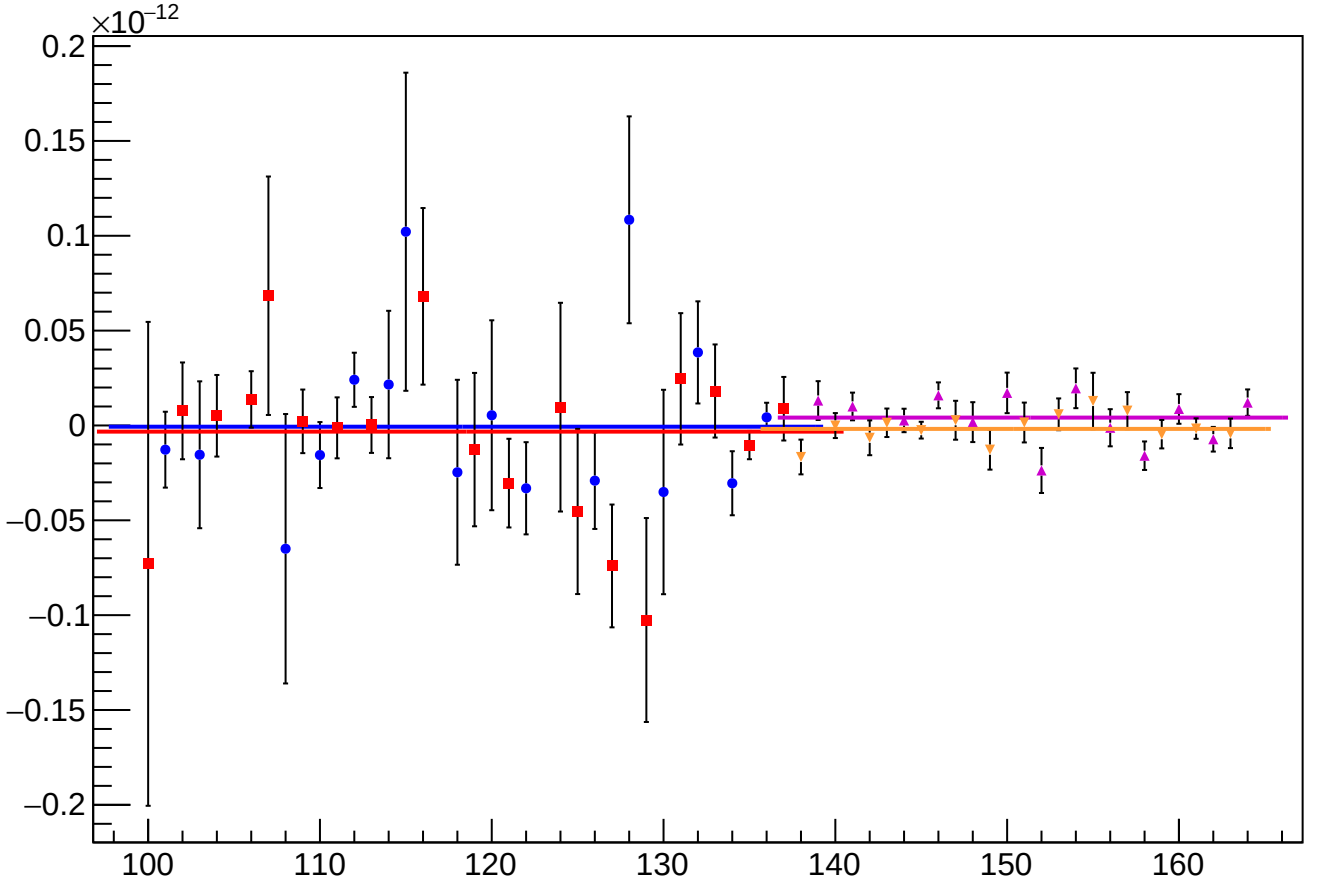
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

+ sign 16.746+/-0.003 χ^2/NDF: 3377950.6/29

All: 16.545+/-0.002 χ^2/NDF: 7658294.5/61

- sign 16.346+/-0.003 χ^2/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:7.6/13

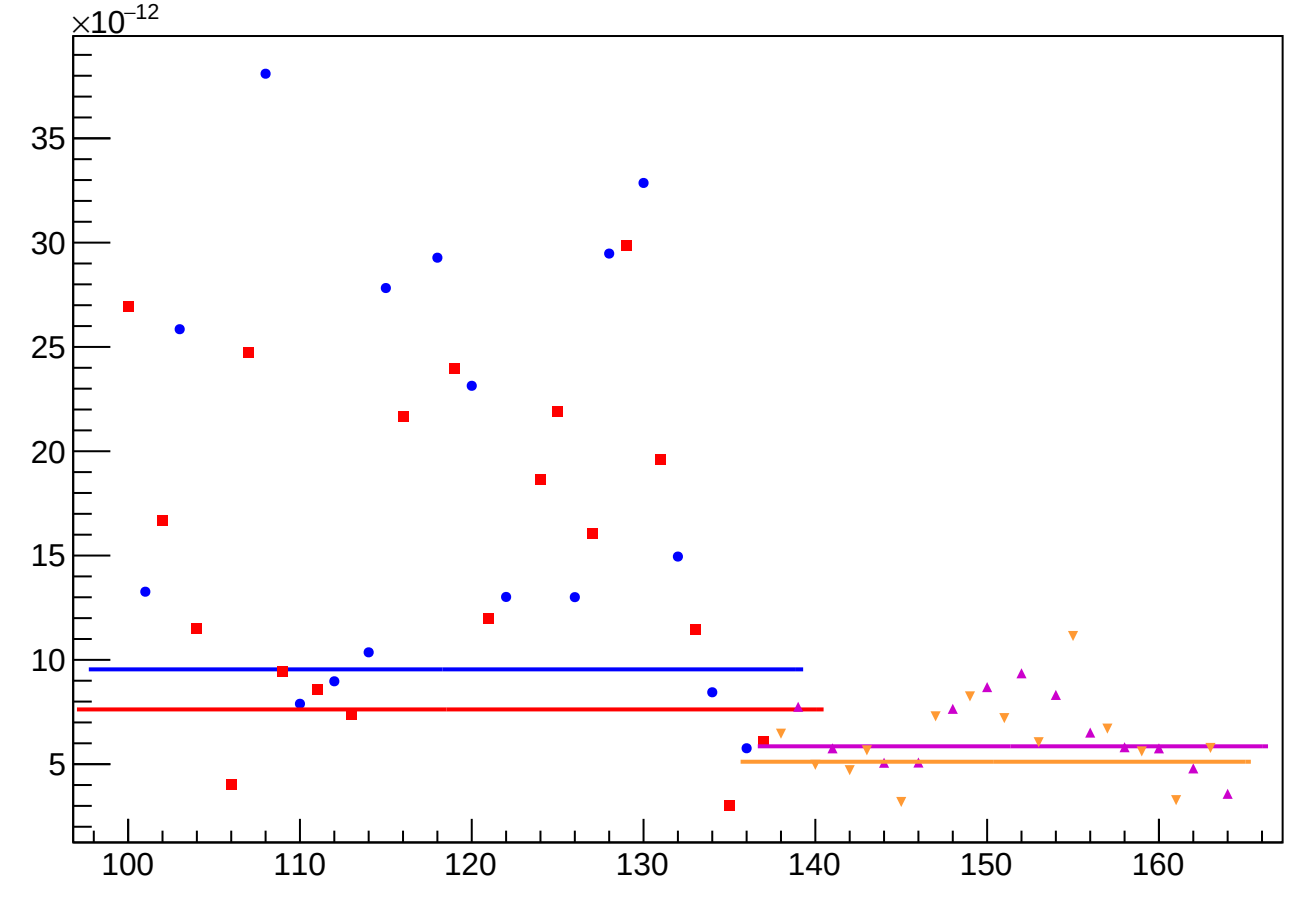
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/29

All: 0.000+/-0.000 χ^2/NDF: 77.5/61

- 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:1449298.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

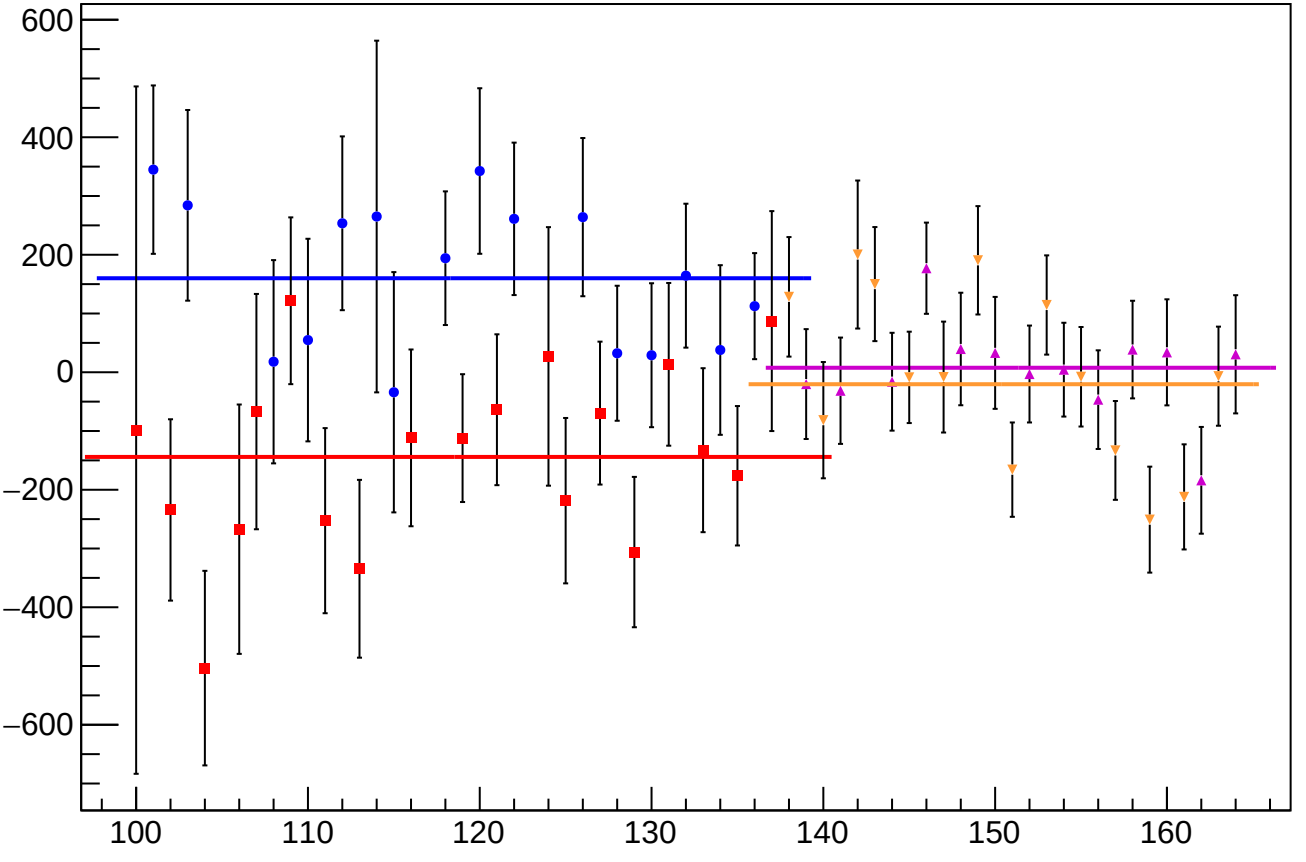
Left In: 0.000+/-0.000 χ^2/NDF:887428.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5396638.0/29

All: 0.000+/-0.000 χ^2/NDF: 9678753.8/61

- 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: -20.361+/-24.060 χ^2/NDF:32.7/13

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

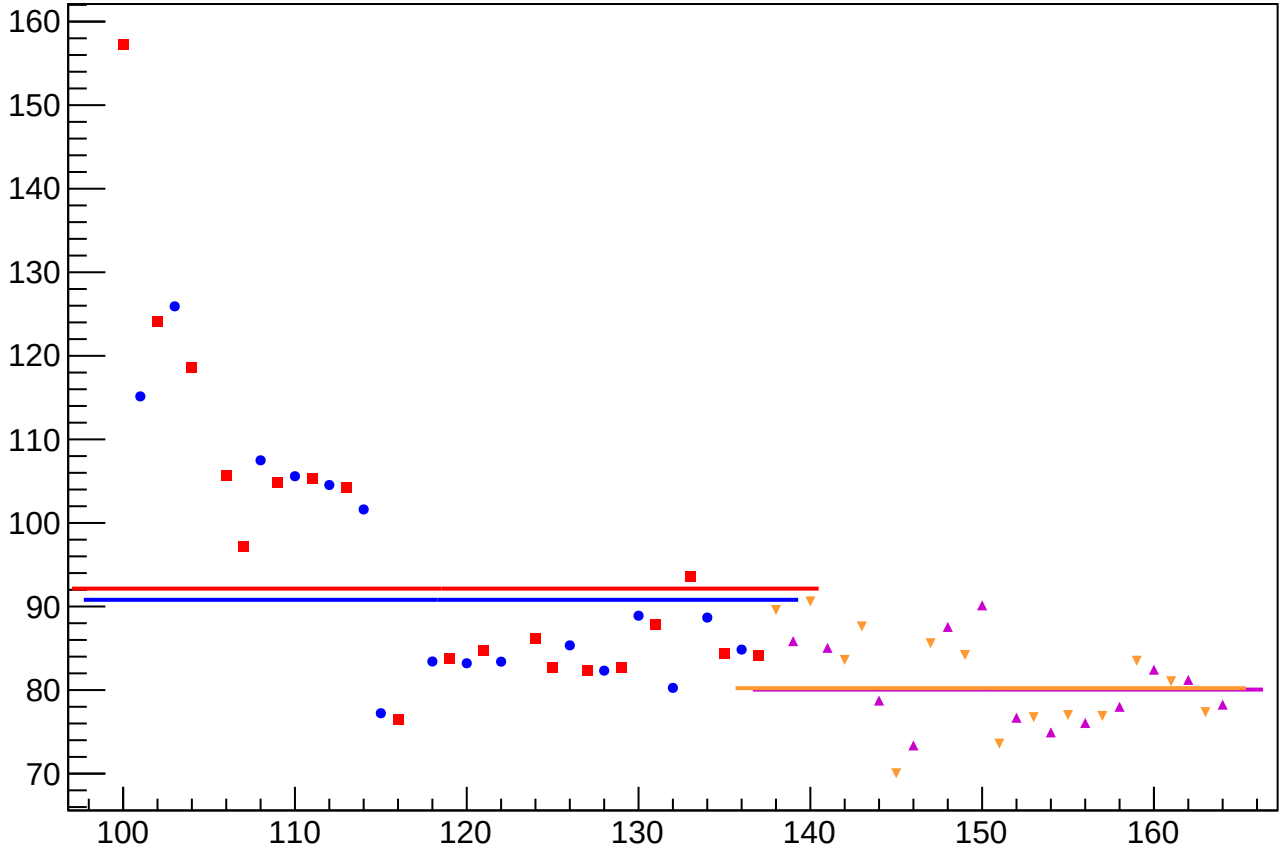
Left In: 7.655+/-24.259 χ^2/NDF:10.5/12

+ sign 39.428+/-19.672 χ^2/NDF: 62.4/29

All: -1.602+/-13.952 χ^2/NDF: 112.1/61

- 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: 80.233+/-0.017 χ^2/NDF:124624.2/13

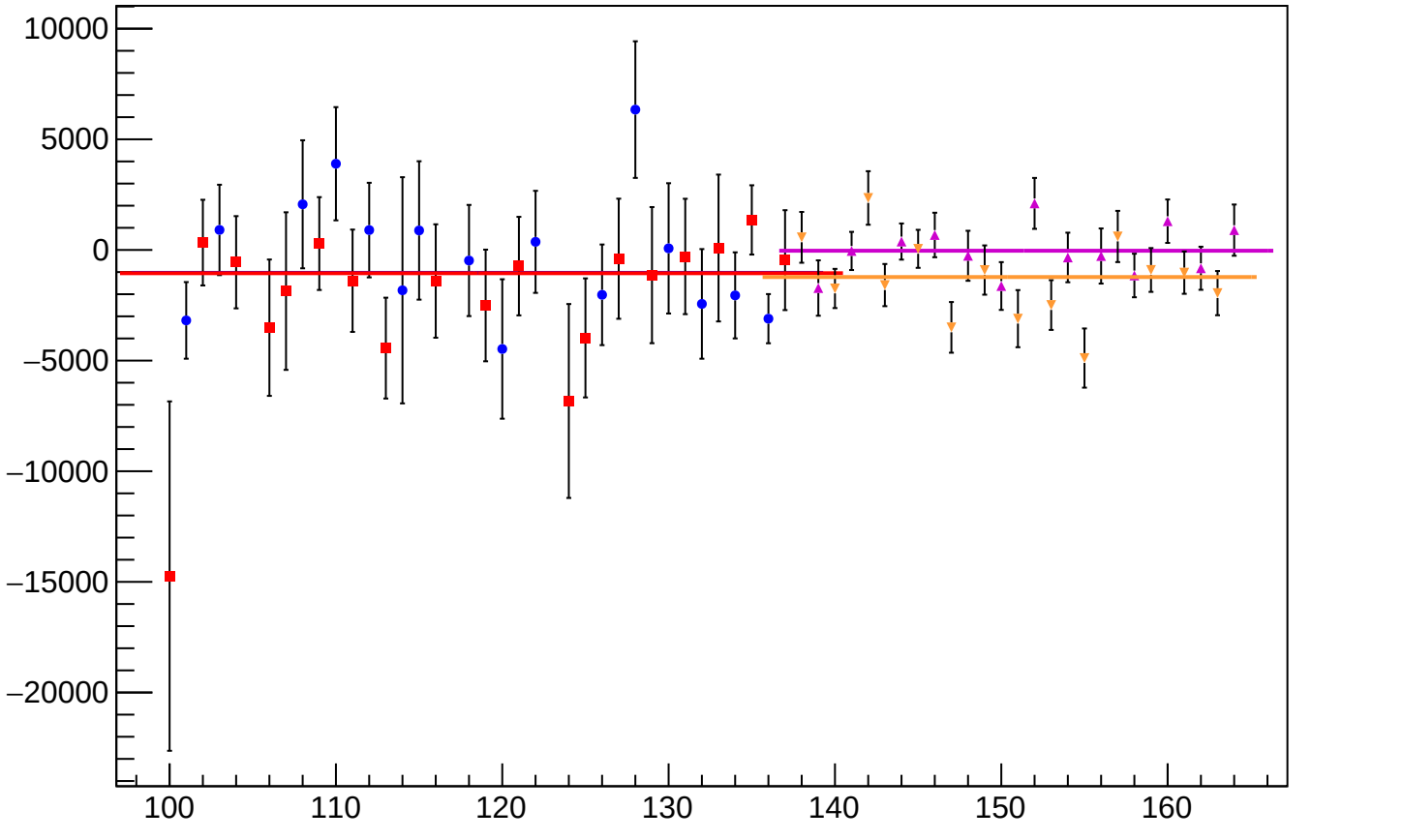
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.736+/-0.014 χ^2/NDF: 525304.6/29

All: 83.917+/-0.010 χ^2/NDF: 1077170.0/61

- sign 84.100+/-0.014 χ^2/NDF: 551525.0/31



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1224.578+/-282.246 χ^2/NDF:31.9/13

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

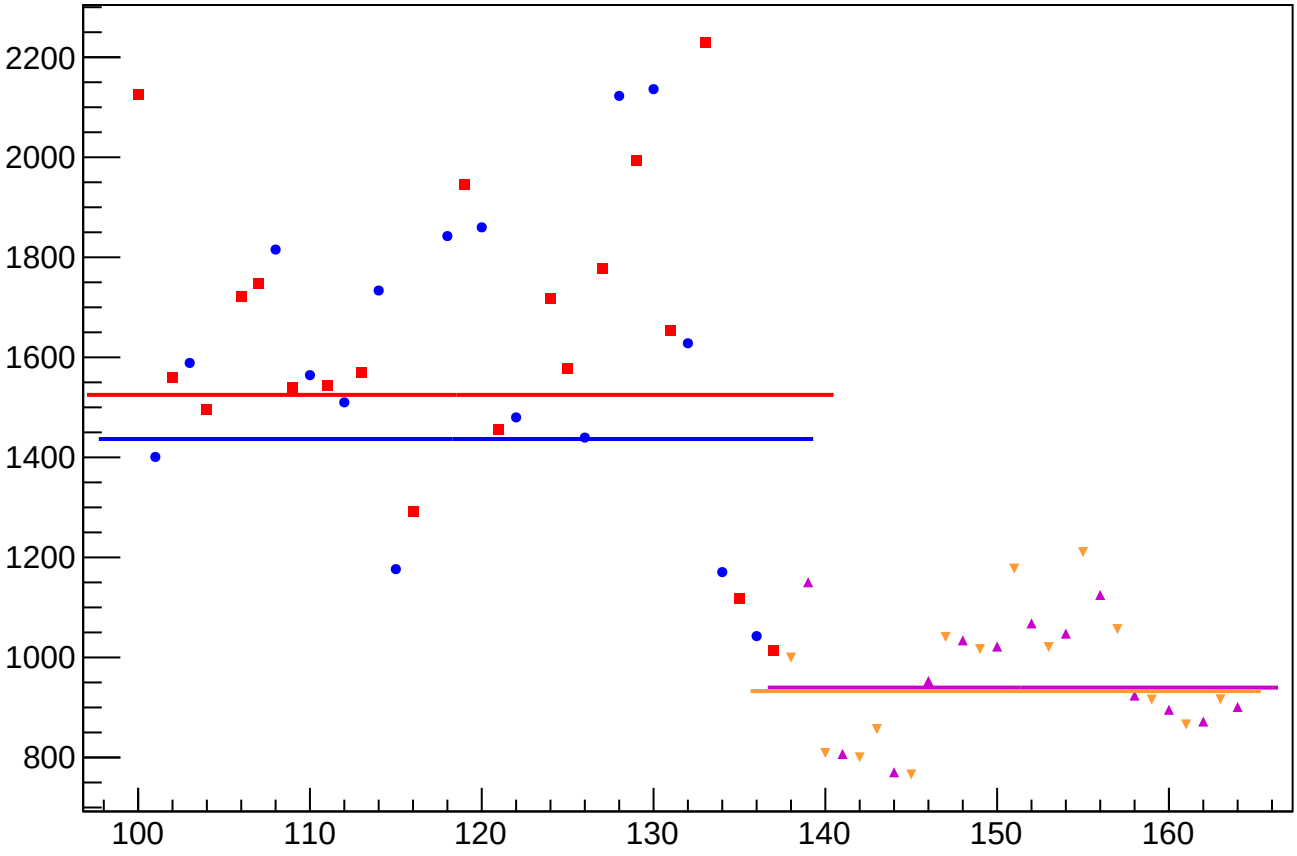
Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1185.090+/-251.131 χ^2/NDF: 52.3/29

All: -721.907+/-179.240 χ^2/NDF: 87.5/61

- 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: 932.759+/-0.200 χ^2/NDF:391470.7/13

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

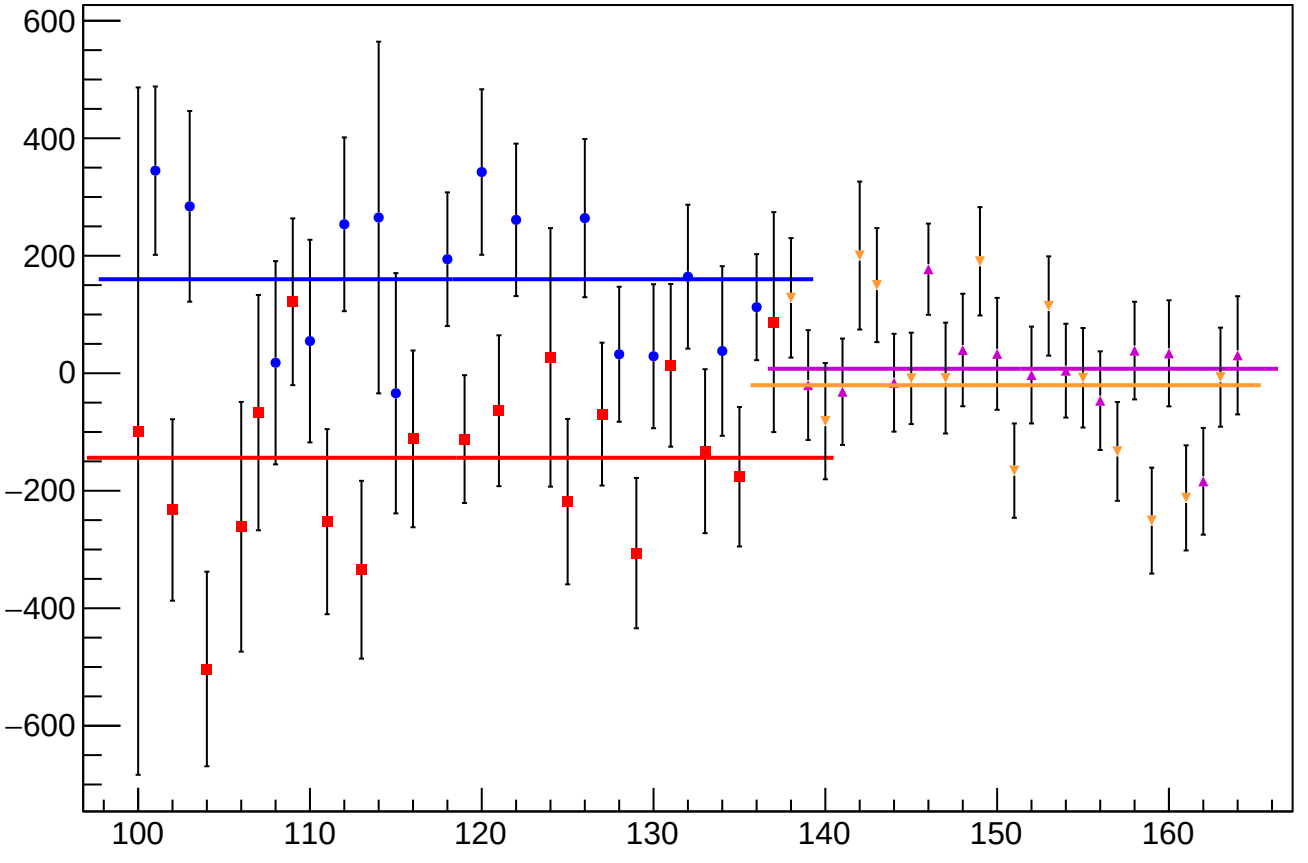
Left In: 939.705+/-0.203 χ^2/NDF:320051.4/12

+ sign 1037.751+/-0.178 χ^2/NDF: 2395582.9/29

All: 1047.739+/-0.127 χ^2/NDF: 4914826.9/61

- 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: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

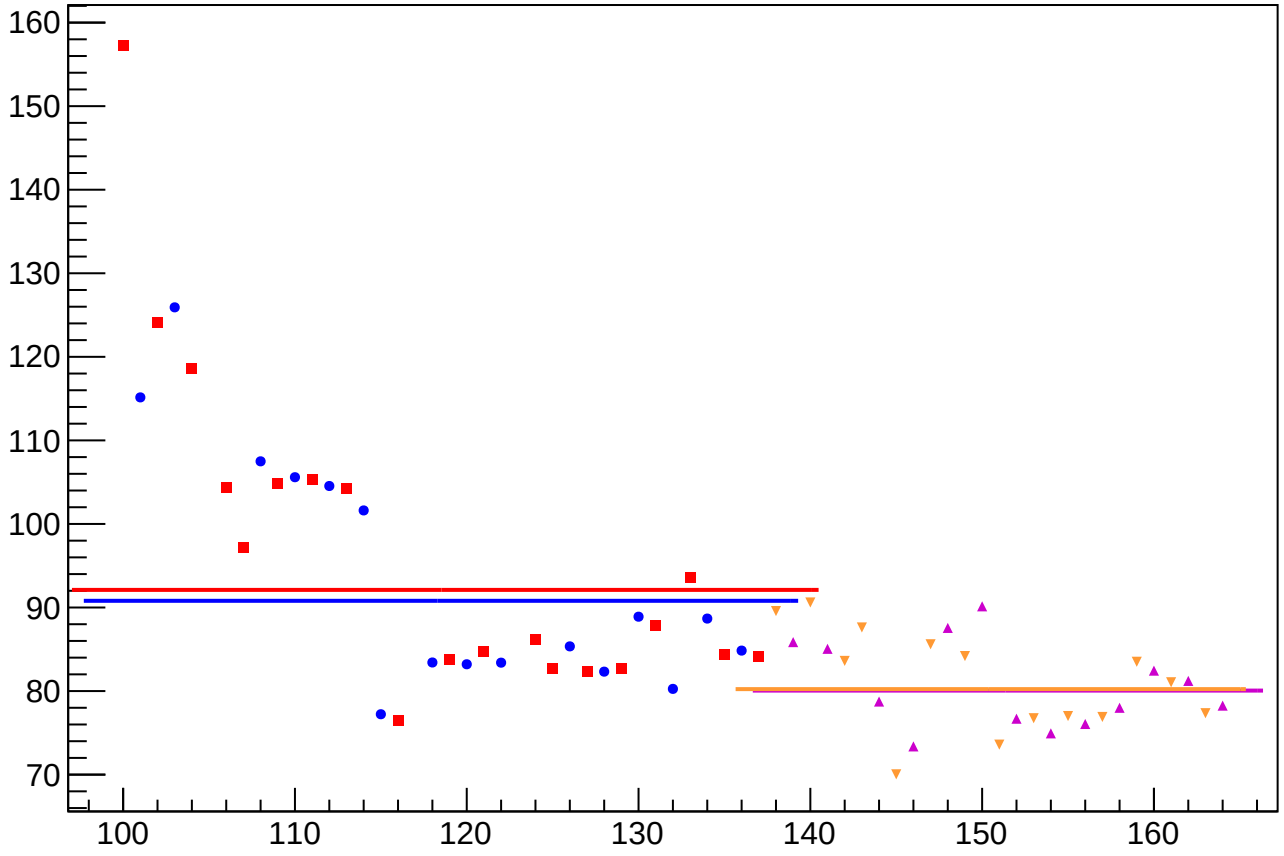
Left In: 7.656+/-24.259 χ^2/NDF:10.5/12

+ sign 39.430+/-19.672 χ^2/NDF: 62.4/29

All: -1.555+/-13.952 χ^2/NDF: 112.0/61

- 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: 80.233+/-0.017 χ^2/NDF:124624.2/13

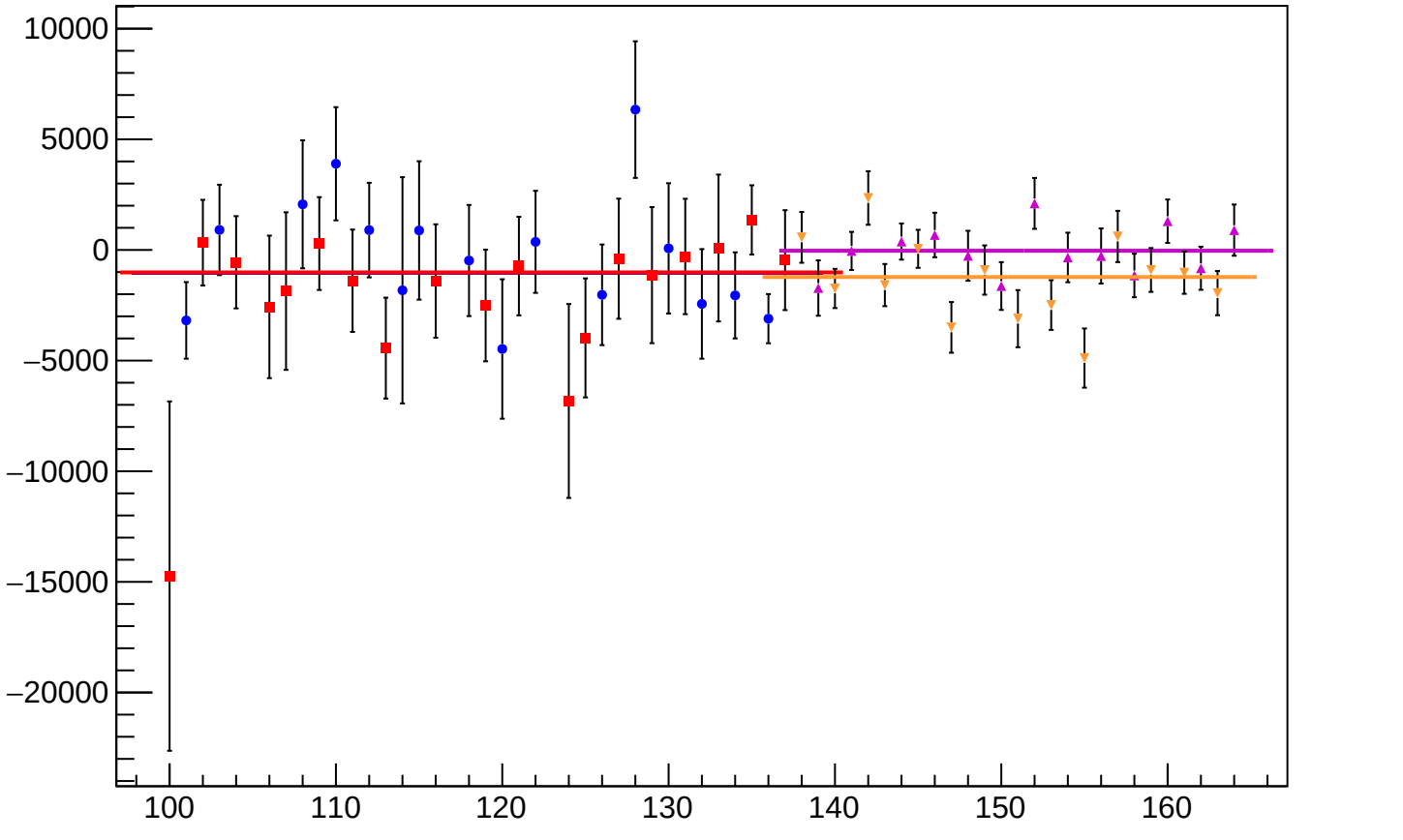
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.736+/-0.014 χ^2/NDF: 525306.6/29

All: 83.911+/-0.010 χ^2/NDF: 1074965.0/61

- 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: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

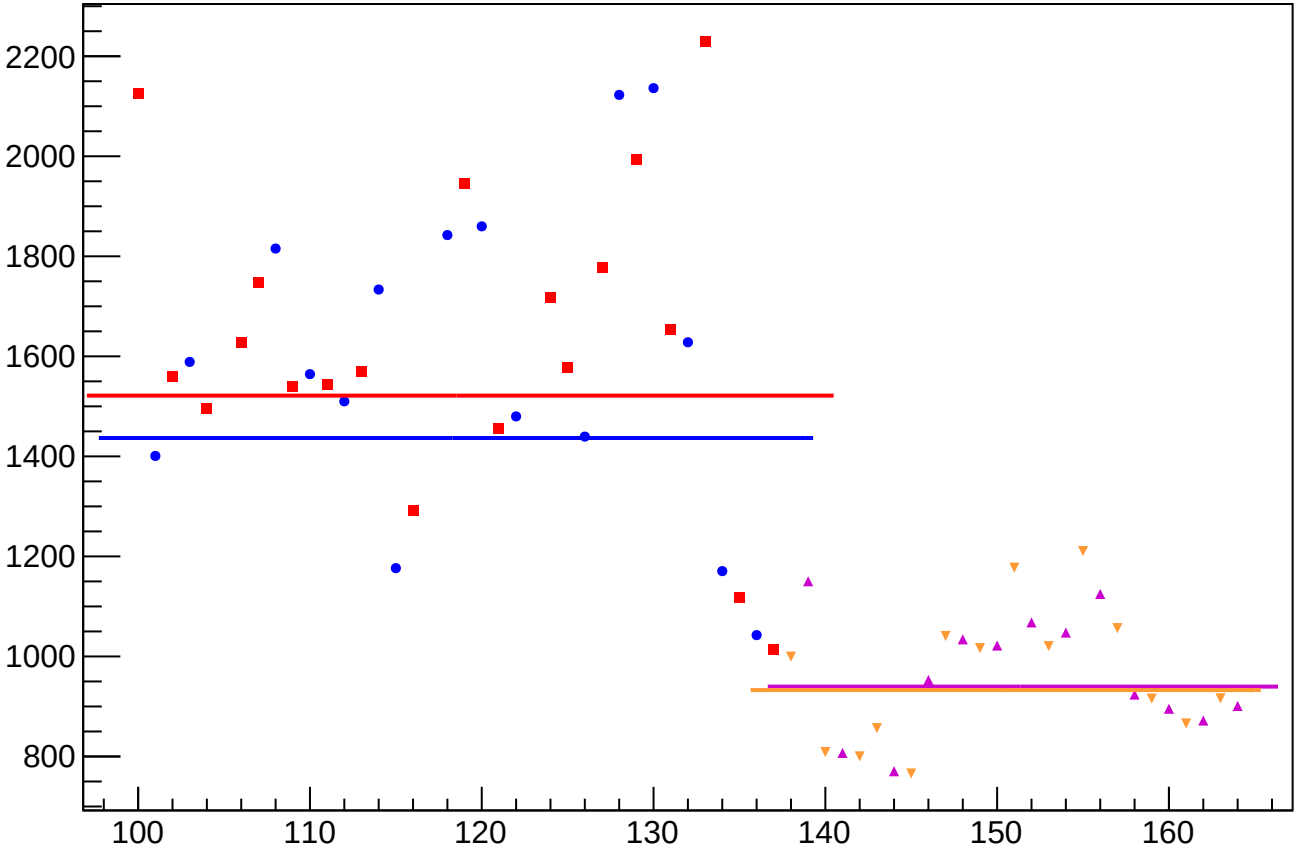
Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1185.081+/-251.131 χ^2/NDF: 52.3/29

All: -718.229+/-179.267 χ^2/NDF: 87.0/61

- 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: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

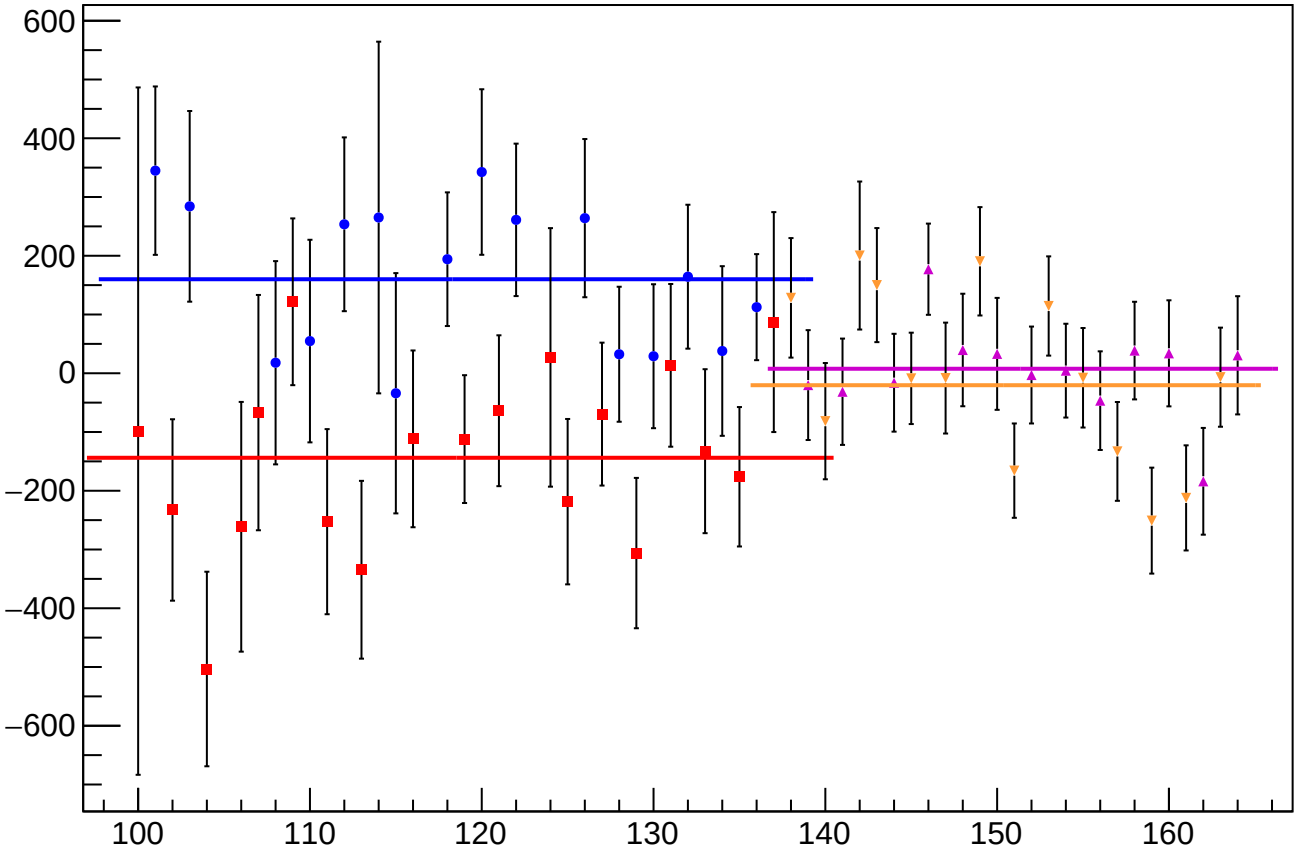
Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

+ sign 1037.751+/-0.178 χ^2/NDF: 2395606.2/29

All: 1047.258+/-0.127 χ^2/NDF: 4884233.0/61

- 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: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

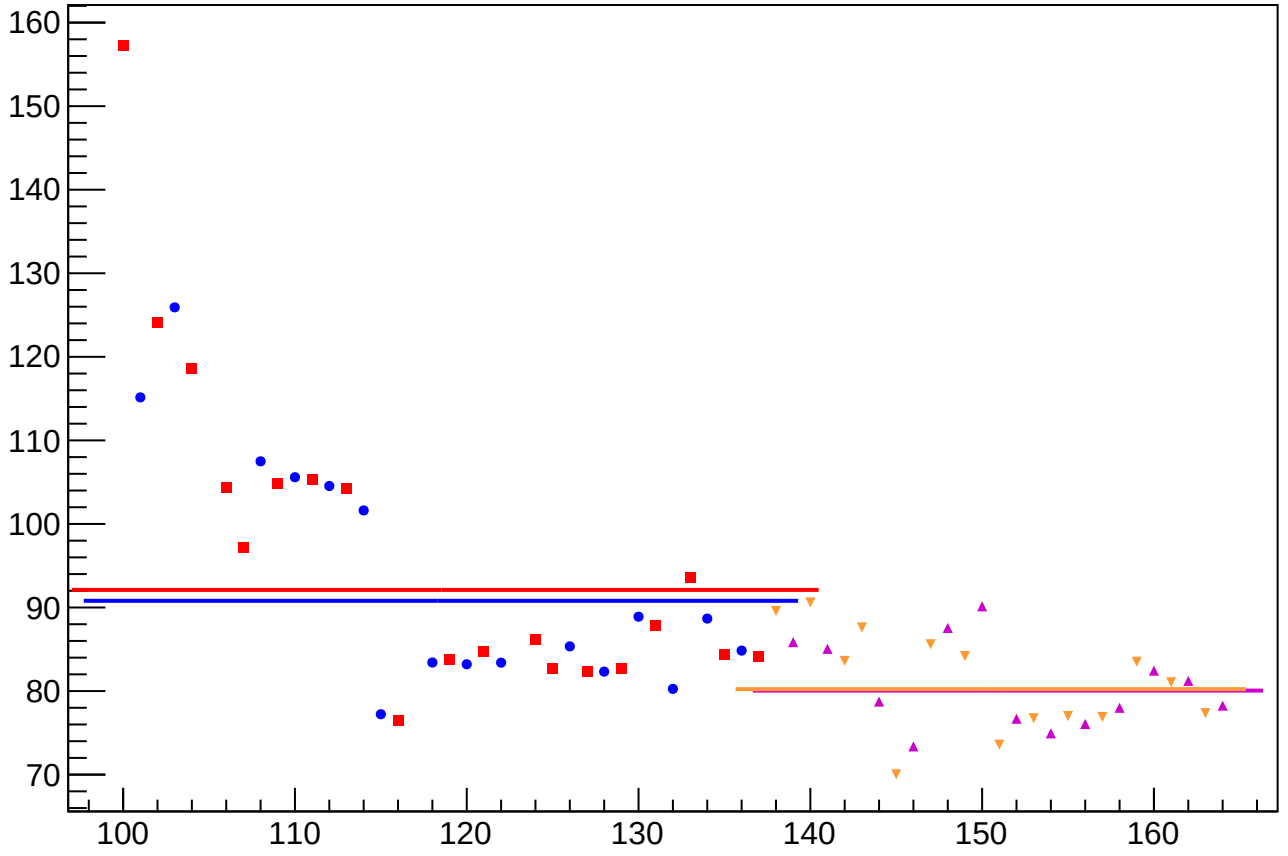
Left In: 7.656+/-24.259 χ^2/NDF:10.5/12

+ sign 39.430+/-19.672 χ^2/NDF: 62.4/29

All: -1.555+/-13.952 χ^2/NDF: 112.0/61

- 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: 80.233+/-0.017 χ^2/NDF:124624.2/13

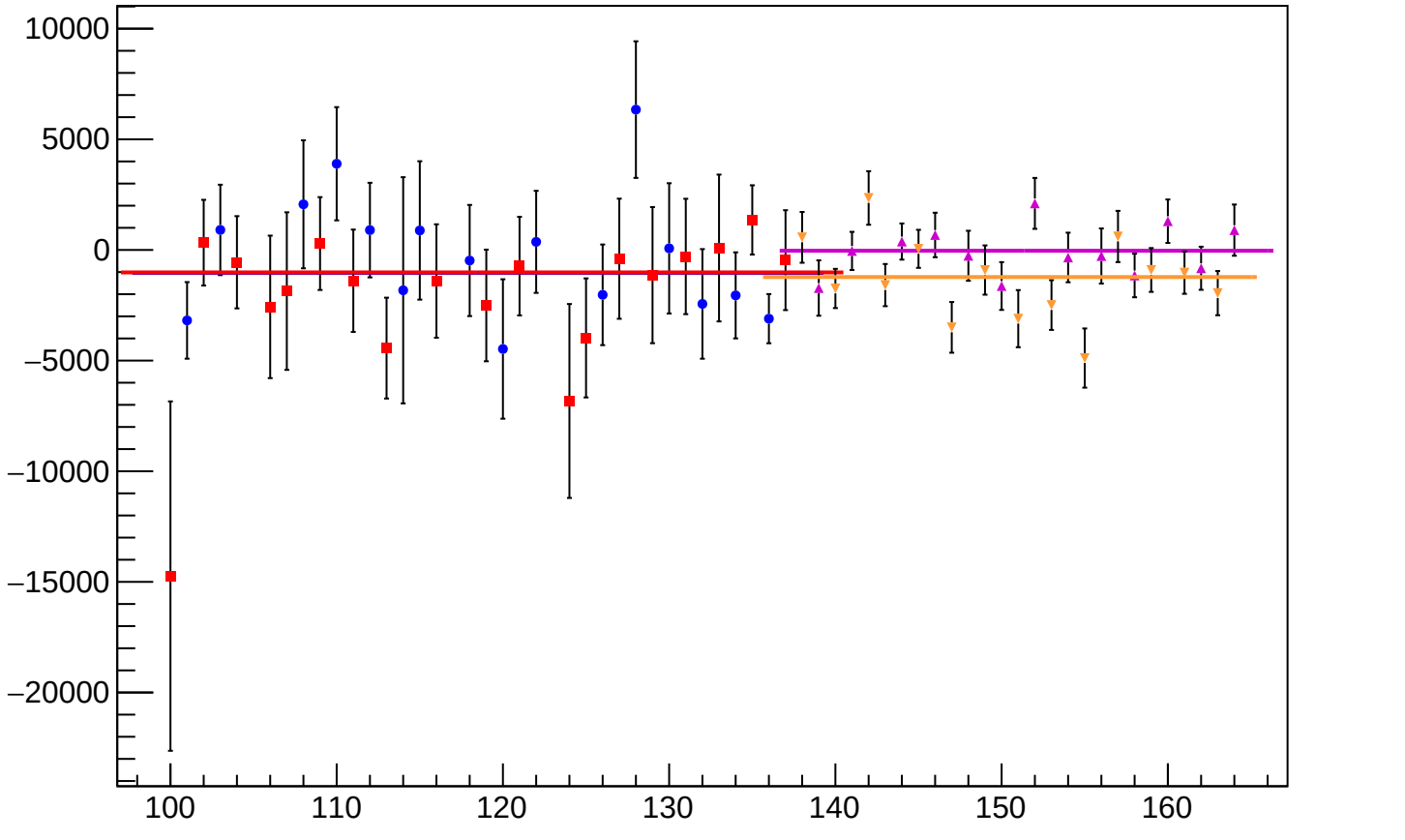
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.736+/-0.014 χ^2/NDF: 525306.6/29

All: 83.911+/-0.010 χ^2/NDF: 1074965.0/61

- 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: -1224.572+/-282.245 χ^2/NDF:31.9/13

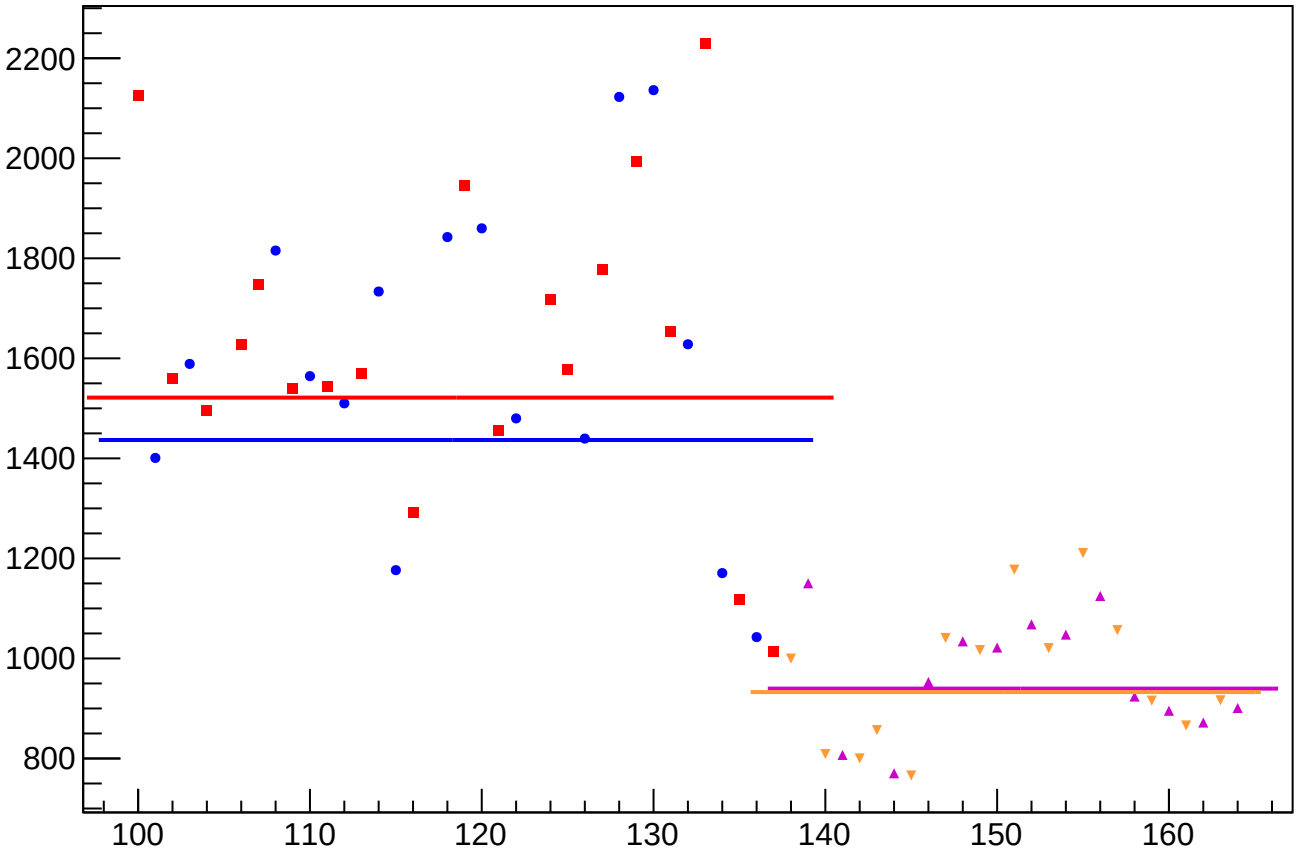
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1185.081+/-251.131 χ^2/NDF: 52.3/29

All: -718.229+/-179.267 χ^2/NDF: 87.0/61

- 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: 932.759+/-0.200 χ^2/NDF:391471.7/13

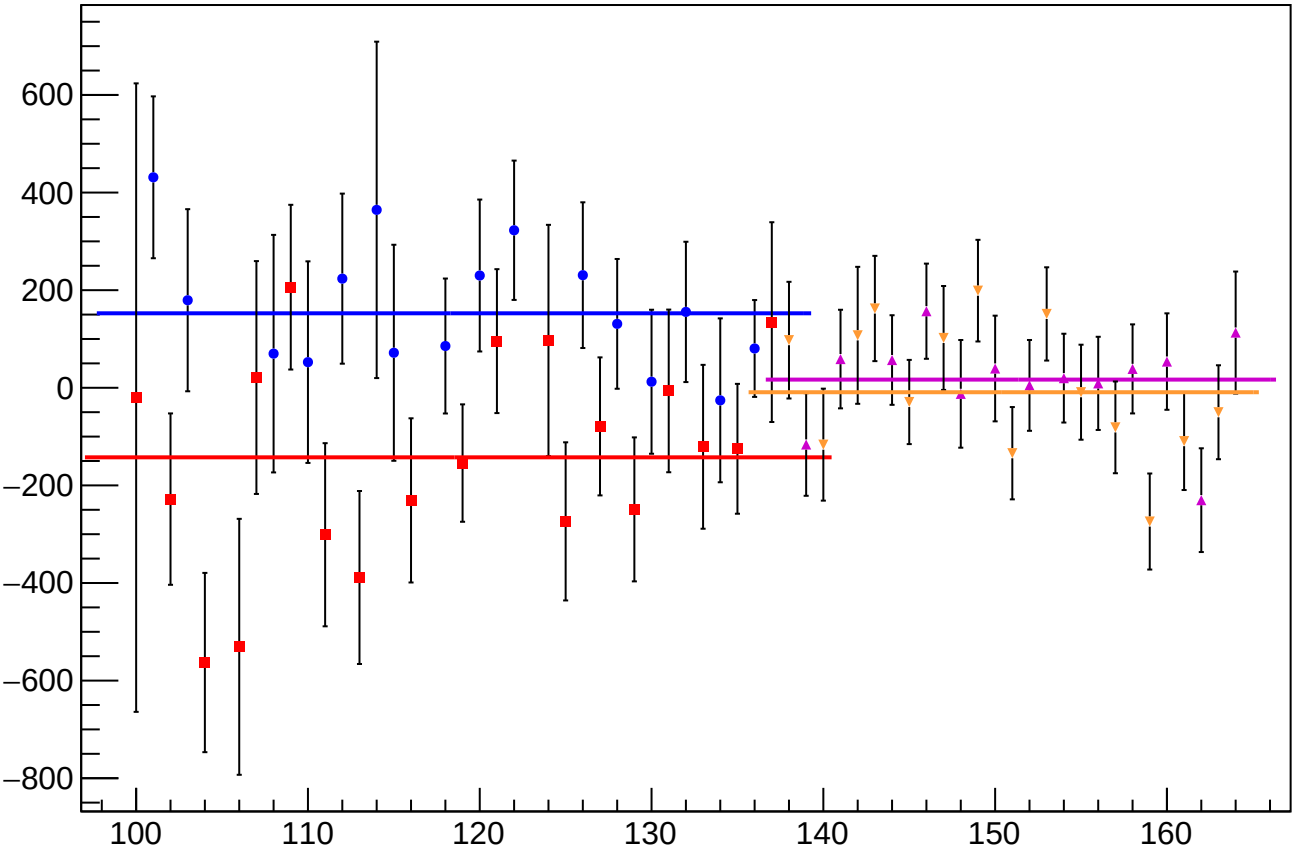
Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

+ sign 1037.751+/-0.178 χ^2/NDF: 2395606.2/29

All: 1047.258+/-0.127 χ^2/NDF: 4884233.0/61

- sign 1057.135+/-0.181 χ^2/NDF: 2482782.6/31



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -9.119+/-27.232 χ^2/NDF:23.6/13

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

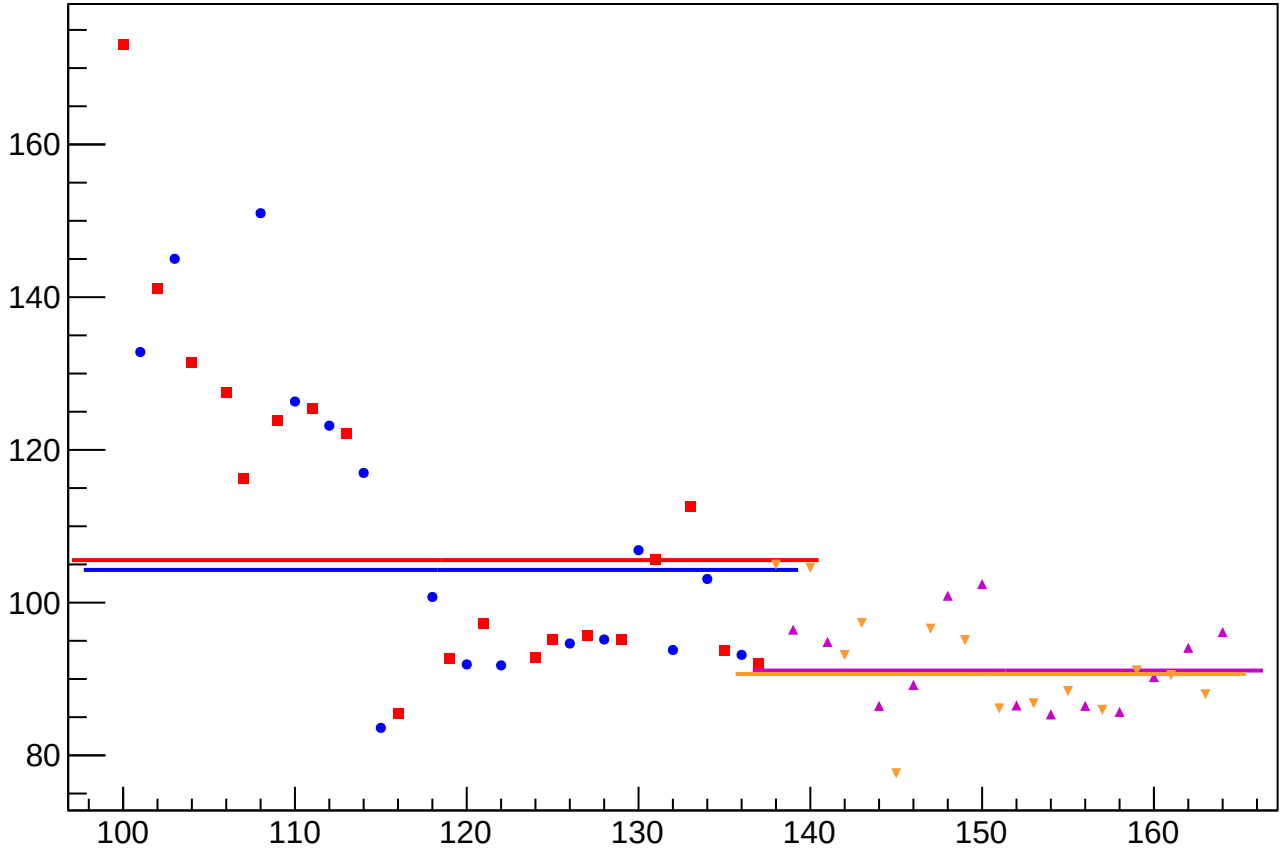
Left In: 16.769+/-27.726 χ^2/NDF:10.4/12

\+ sign 43.086+/-22.410 χ^2/NDF: 43.6/29

All: 3.945+/-15.935 χ^2/NDF: 94.0/61

\- 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: 90.652+/-0.019 χ^2/NDF:137062.3/13

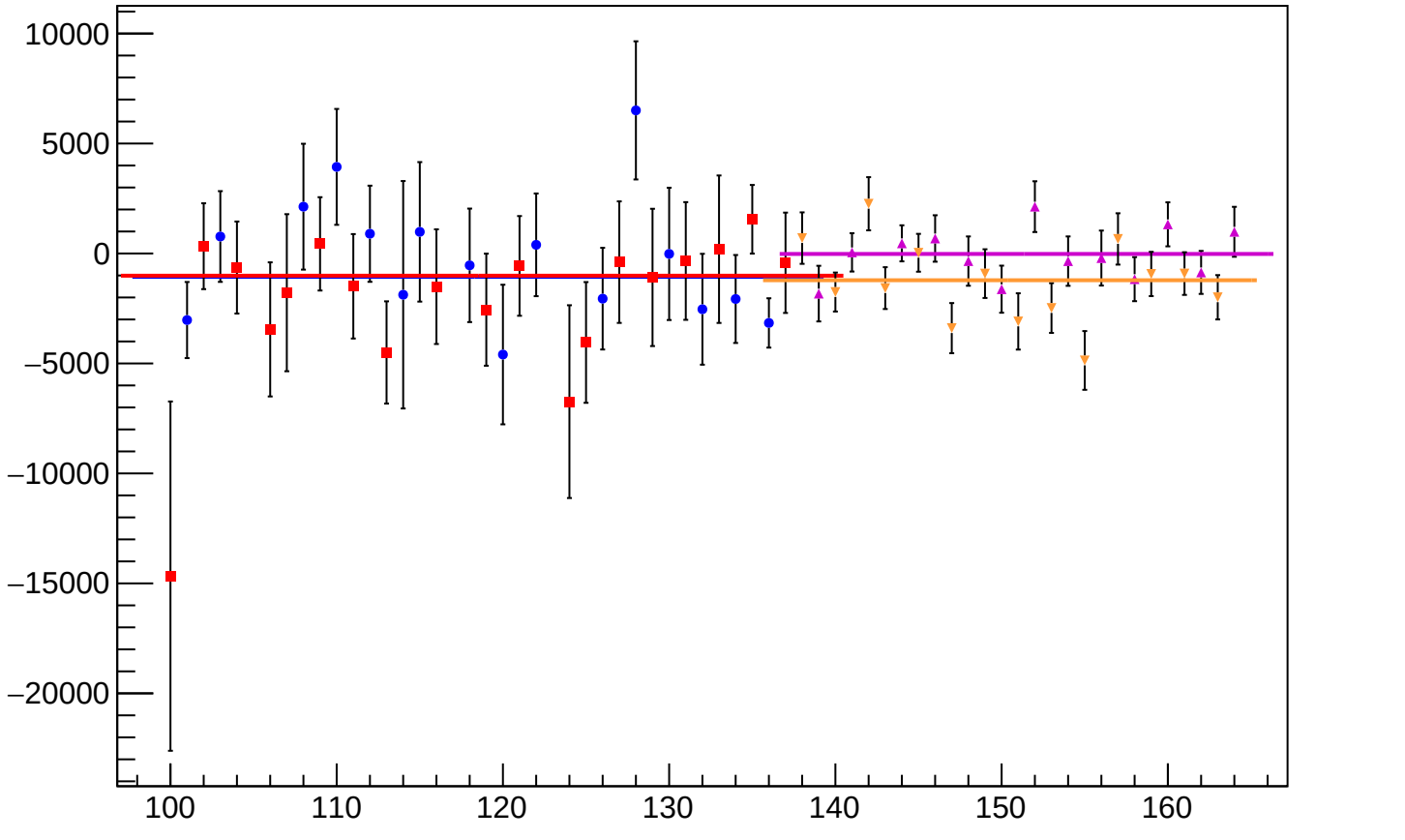
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.105+/-0.020 χ^2/NDF:80940.5/12

+ sign 95.053+/-0.016 χ^2/NDF: 677176.8/29

All: 95.474+/-0.011 χ^2/NDF: 1284764.8/61

- sign 95.905+/-0.016 χ^2/NDF: 606159.2/31



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1216.473+/-283.373 χ^2/NDF:31.5/13

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

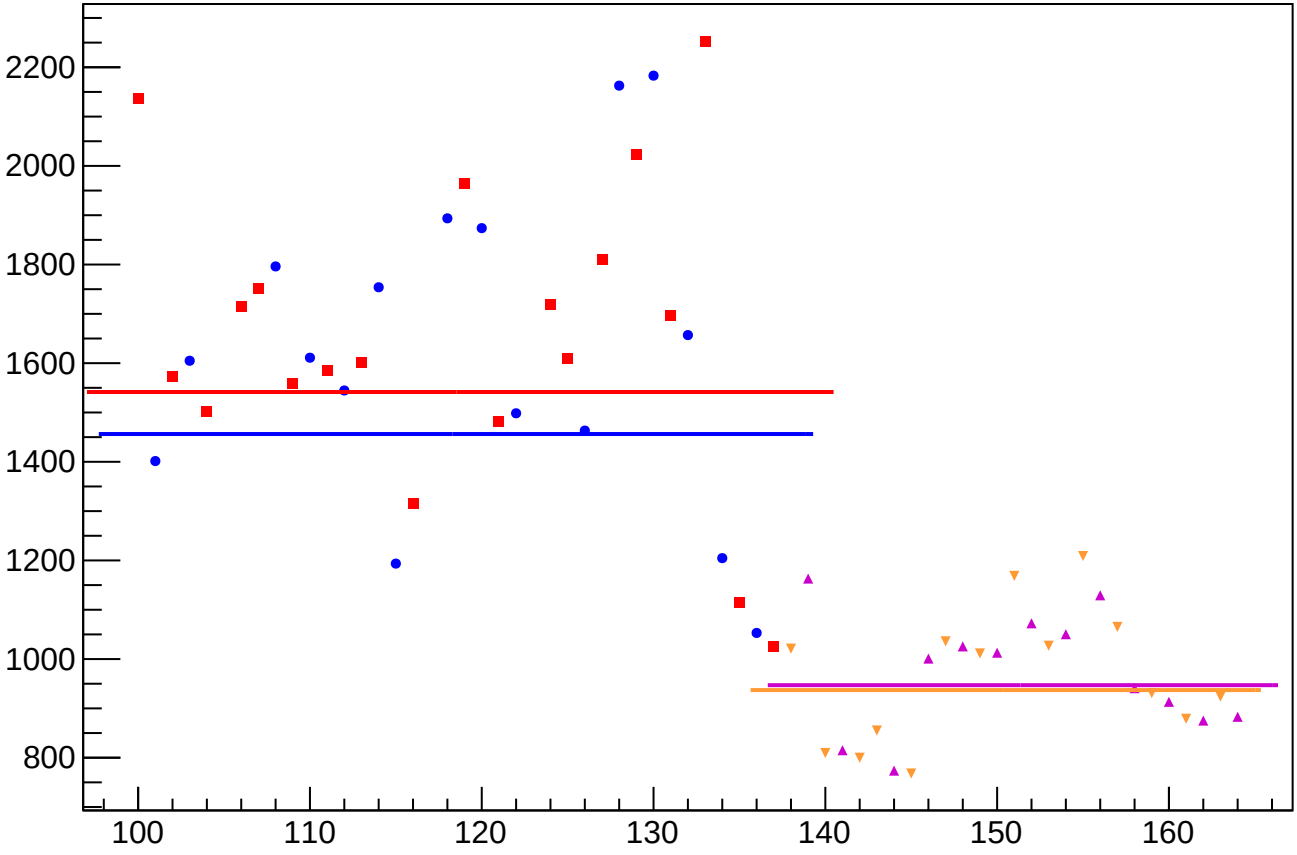
Left In: -21.127+/-288.687 χ^2/NDF:13.4/12

+ sign -1184.228+/-252.626 χ^2/NDF: 51.6/29

All: -712.336+/-180.506 χ^2/NDF: 87.8/61

- 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: 937.114+/-0.200 χ^2/NDF:386454.9/13

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

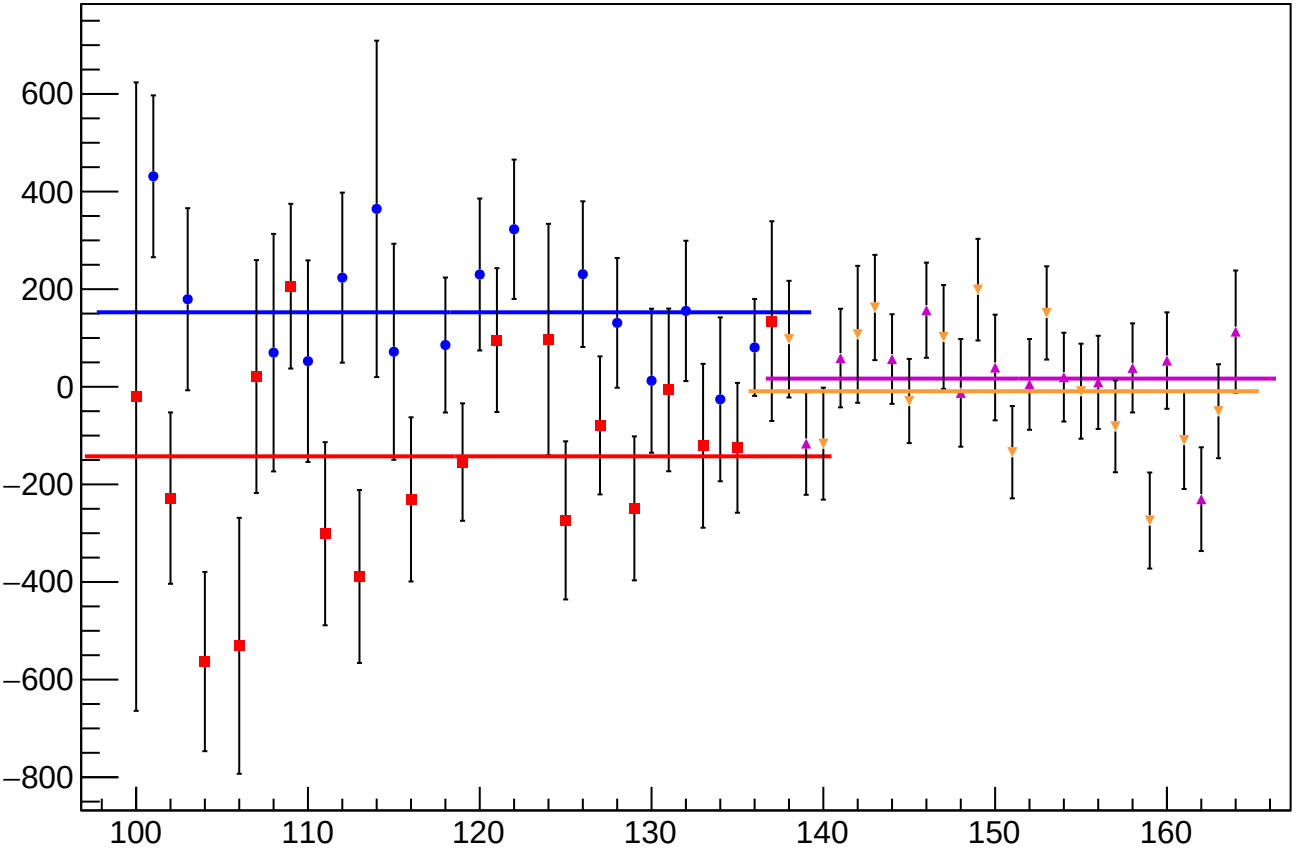
Left In: 947.063+/-0.204 χ^2/NDF:318909.3/12

+ sign 1043.667+/-0.179 χ^2/NDF: 2449129.8/29

All: 1054.945+/-0.128 χ^2/NDF: 5002347.9/61

- 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: -9.118+/-27.232 χ^2/NDF:23.6/13

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

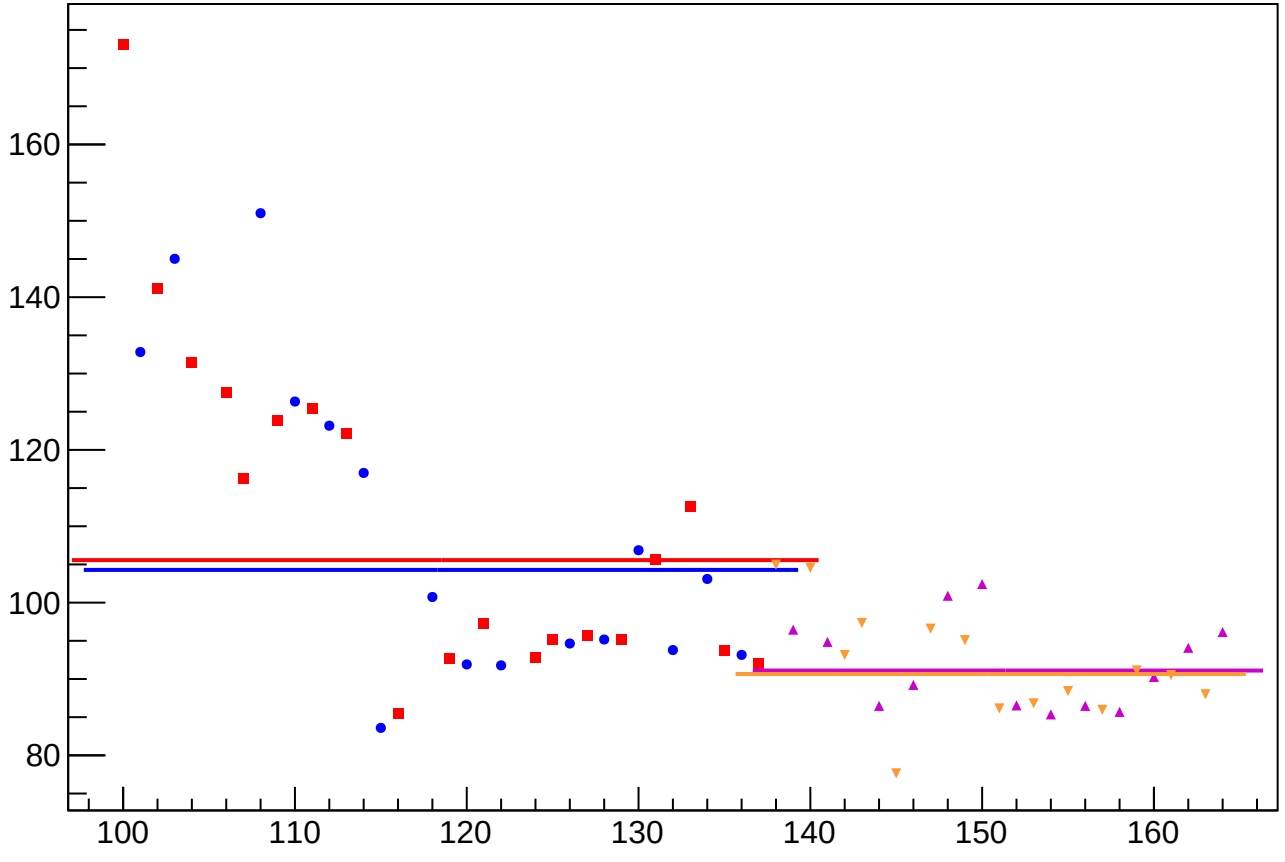
Left In: 16.770+/-27.726 χ^2/NDF:10.4/12

+ sign 43.088+/-22.410 χ^2/NDF: 43.6/29

All: 3.946+/-15.935 χ^2/NDF: 94.0/61

- 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: 90.653+/-0.019 χ^2/NDF:137057.7/13

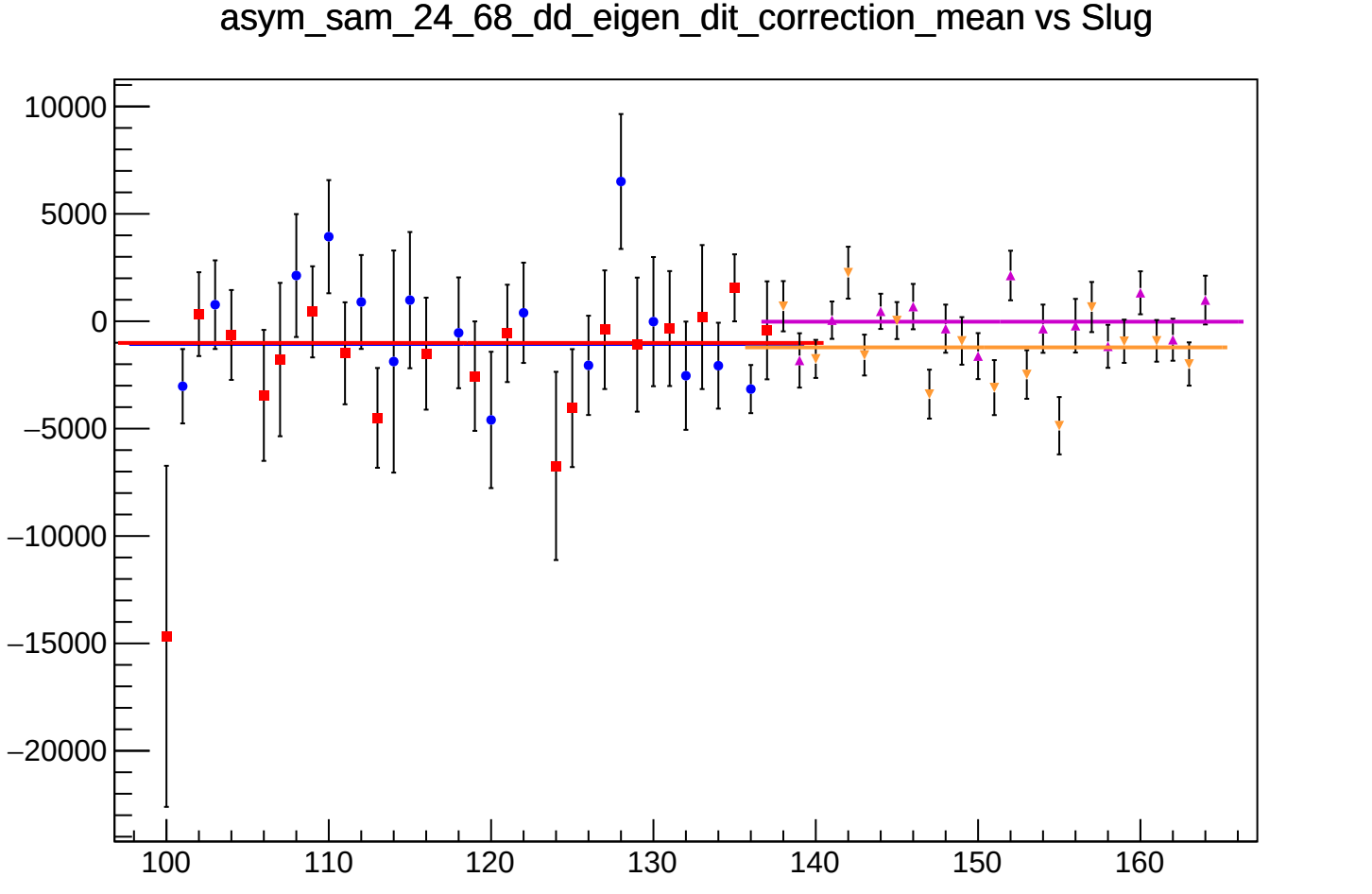
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.105+/-0.020 χ^2/NDF:80939.5/12

+ sign 95.053+/-0.016 χ^2/NDF: 677149.1/29

All: 95.474+/-0.011 χ^2/NDF: 1284717.9/61

- 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: -1216.471+/-283.373 χ^2/NDF:31.5/13

Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

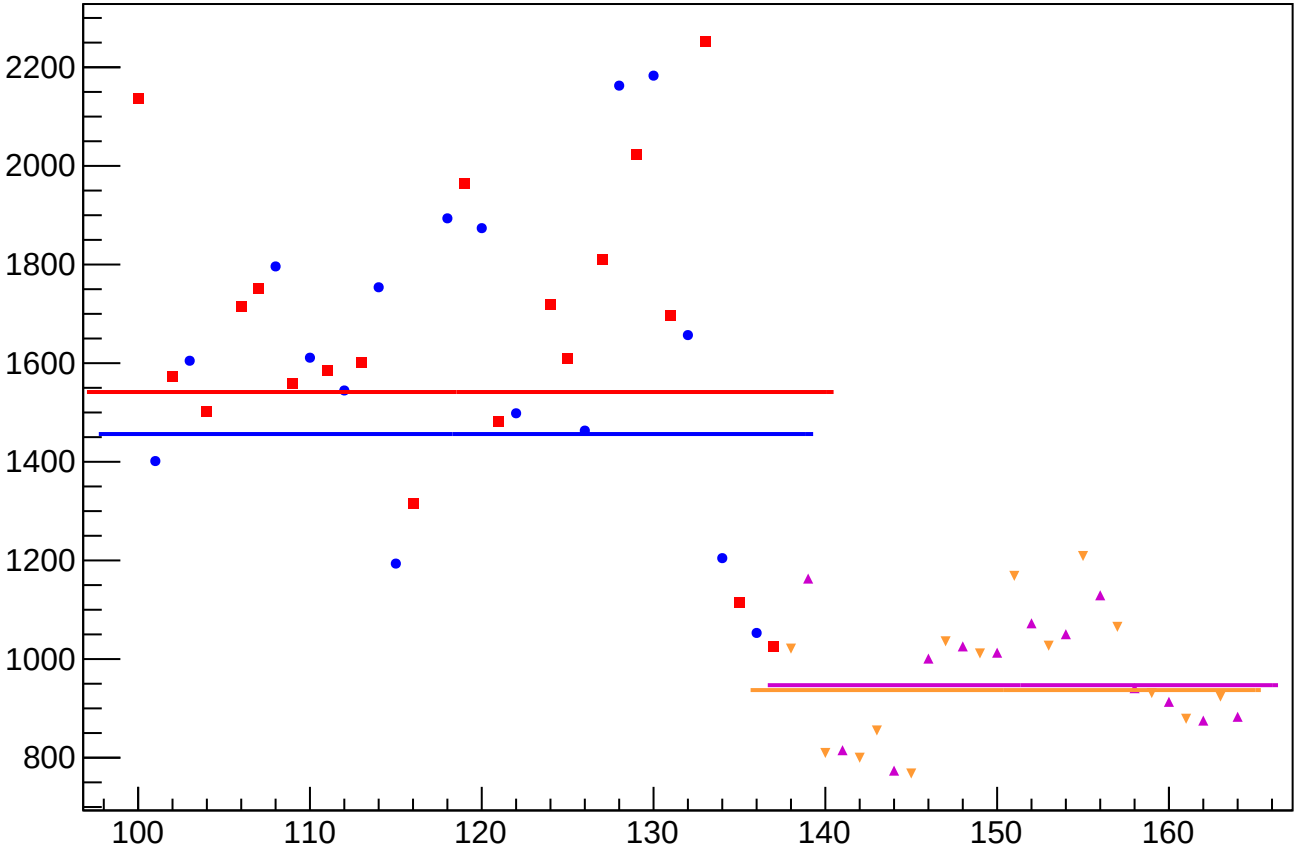
Left In: -21.126+/-288.687 χ^2/NDF:13.4/12

+ sign -1184.226+/-252.626 χ^2/NDF: 51.6/29

All: -712.335+/-180.505 χ^2/NDF: 87.8/61

- sign -220.135+/-258.005 χ^2/NDF: 29.0/31

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 937.113+/-0.200 χ^2/NDF:386458.0/13

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

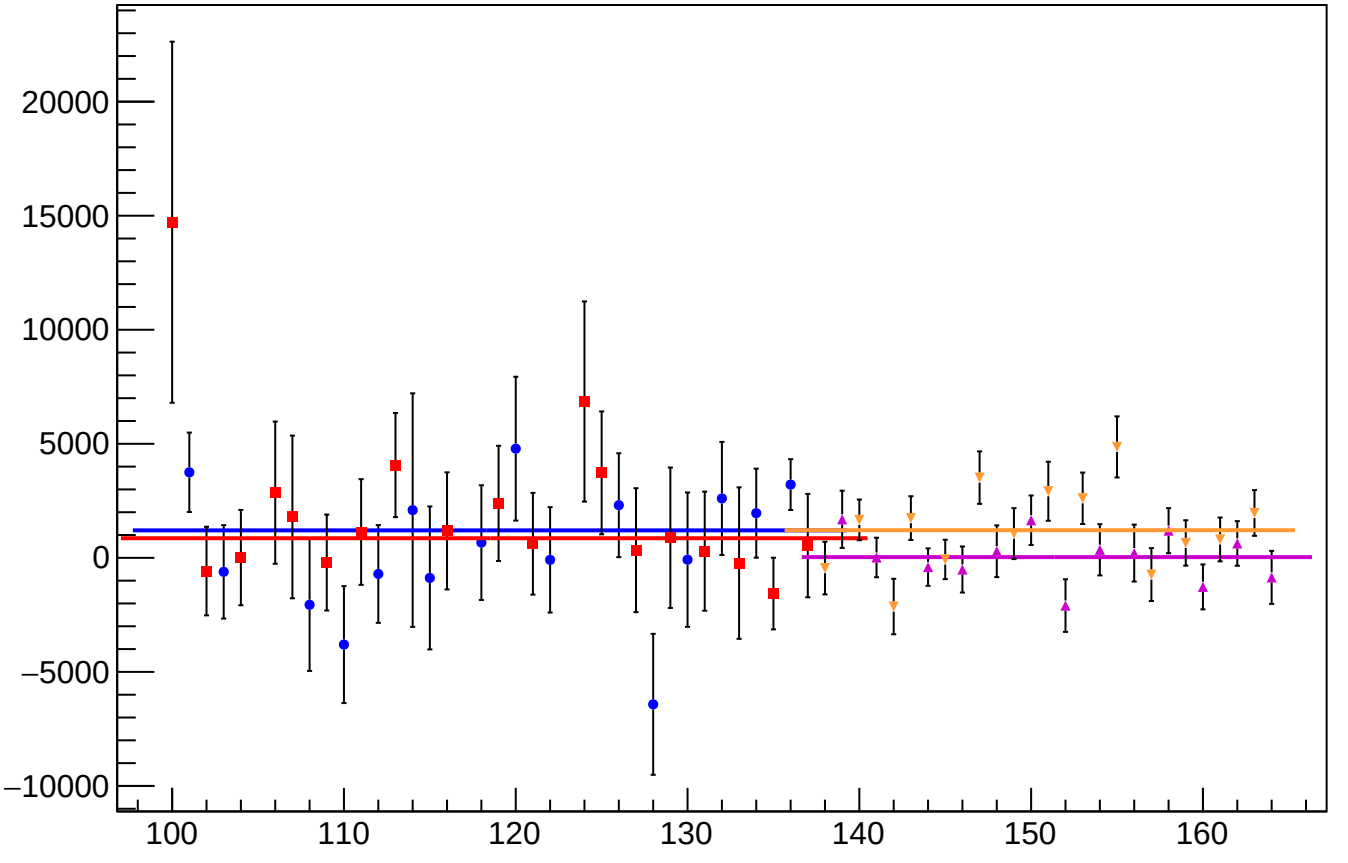
Left In: 947.062+/-0.204 χ^2/NDF:318910.3/12

+ sign 1043.666+/-0.179 χ^2/NDF: 2449126.1/29

All: 1054.944+/-0.128 χ^2/NDF: 5002338.7/61

- 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: 1211.939+/-283.413 χ^2/NDF:31.0/13

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

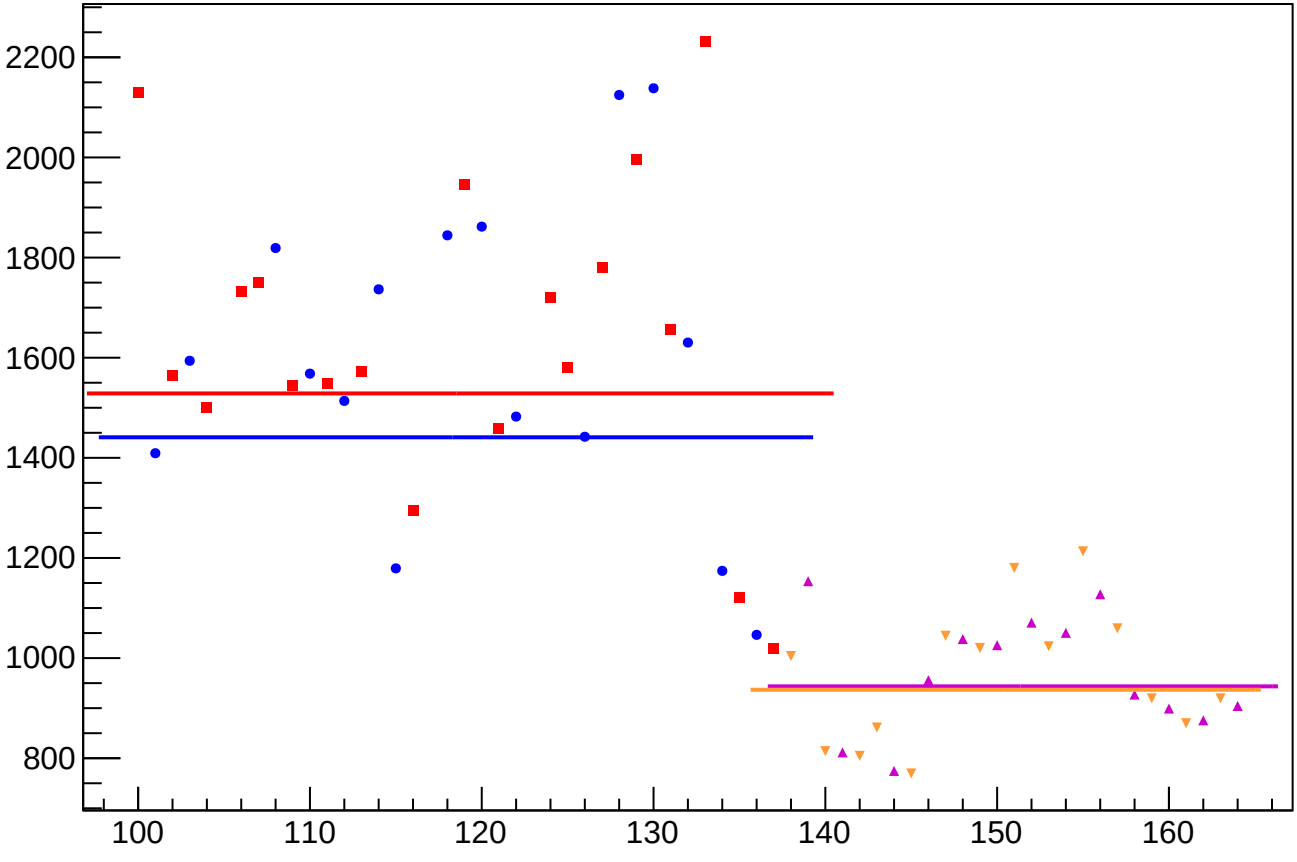
Left In: 32.201+/-287.658 χ^2/NDF:12.2/12

+ sign 1210.426+/-252.097 χ^2/NDF: 52.2/29

All: 714.590+/-179.915 χ^2/NDF: 86.4/61

- 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: 936.796+/-0.200 χ^2/NDF:385443.7/13

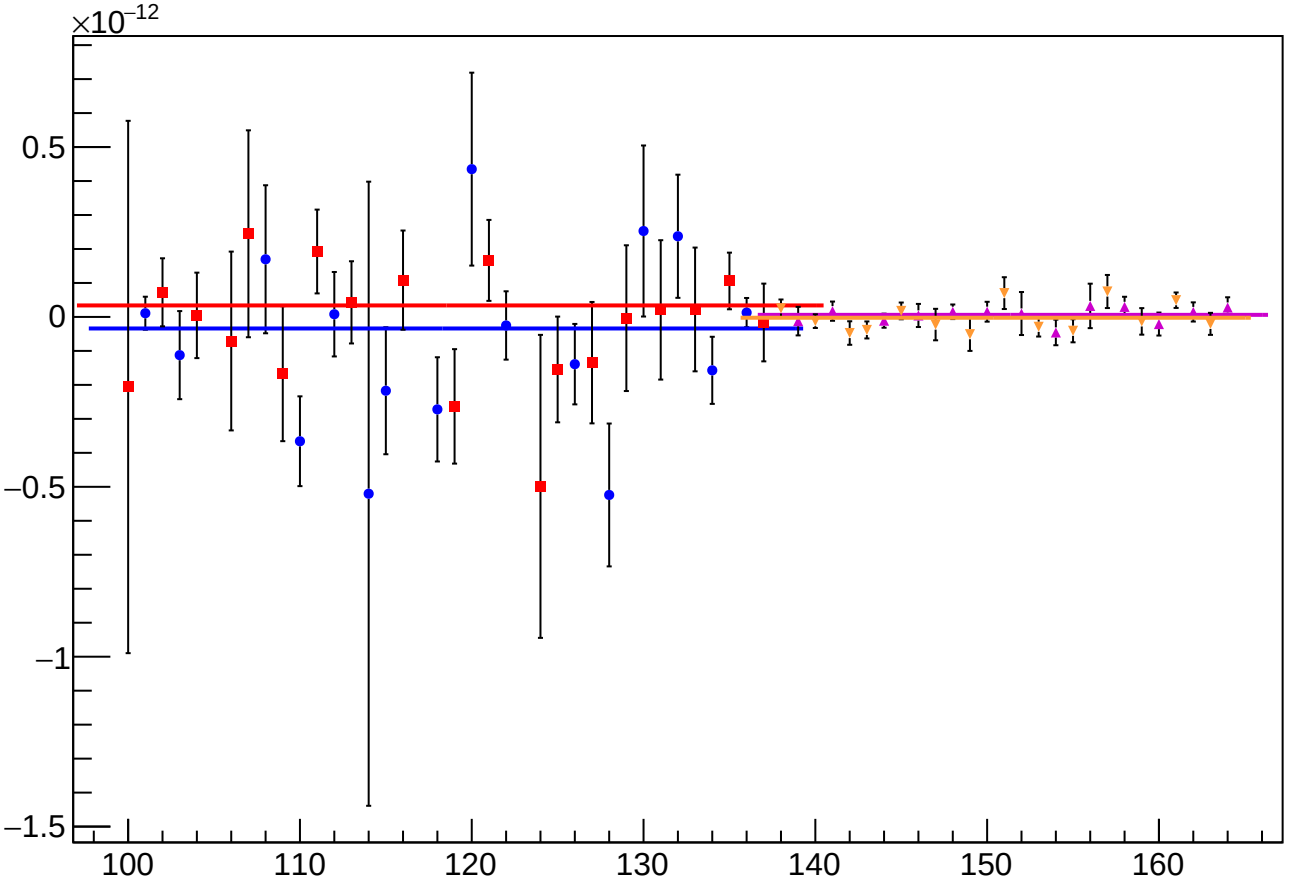
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 943.555+/-0.203 χ^2/NDF:315036.8/12

+ sign 1042.068+/-0.178 χ^2/NDF: 2377814.2/29

All: 1051.943+/-0.127 χ^2/NDF: 4878568.1/61

- 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:19.5/13

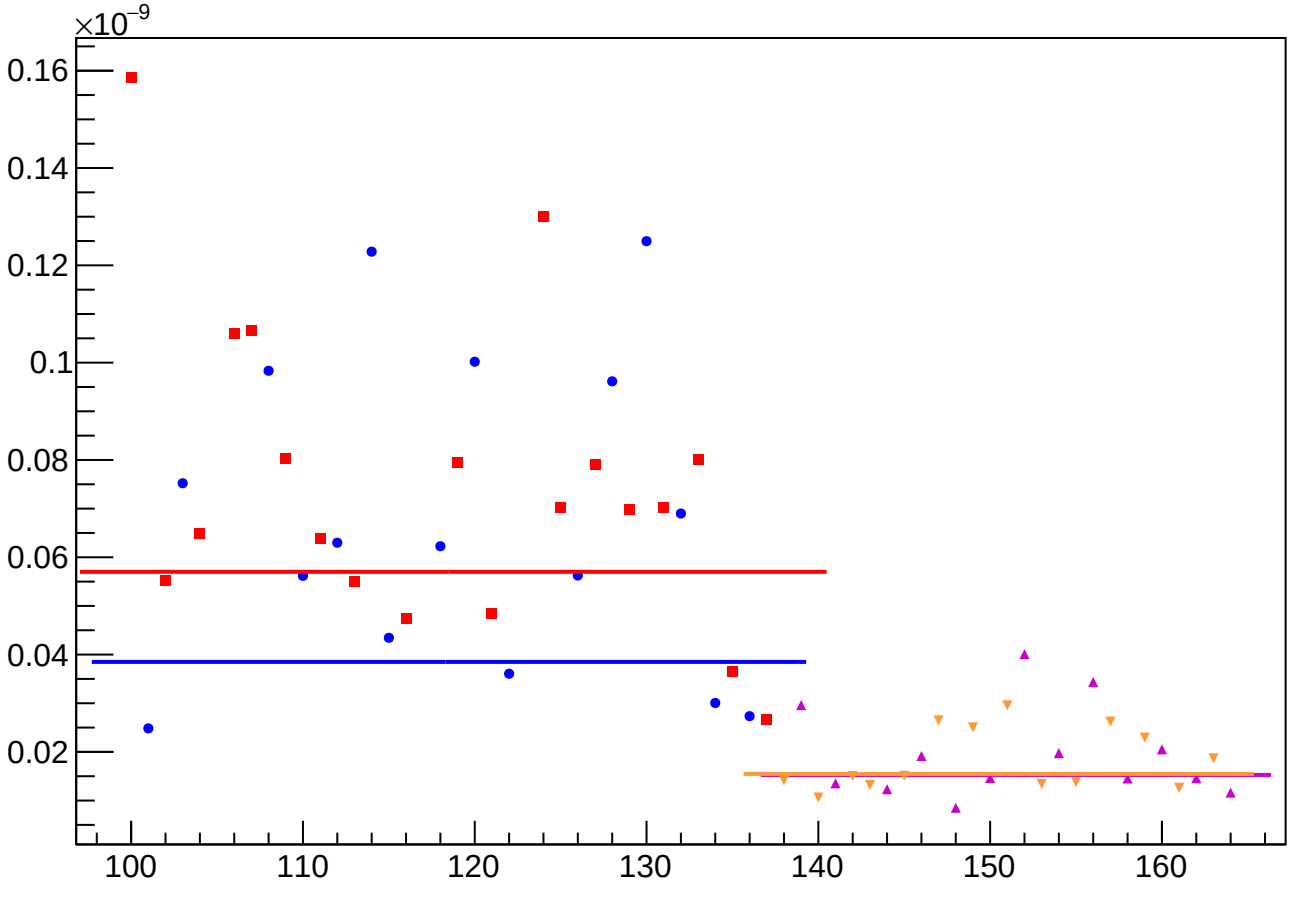
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/29

All: 0.000+/-0.000 χ^2/NDF: 68.6/61

- 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:744992.2/13

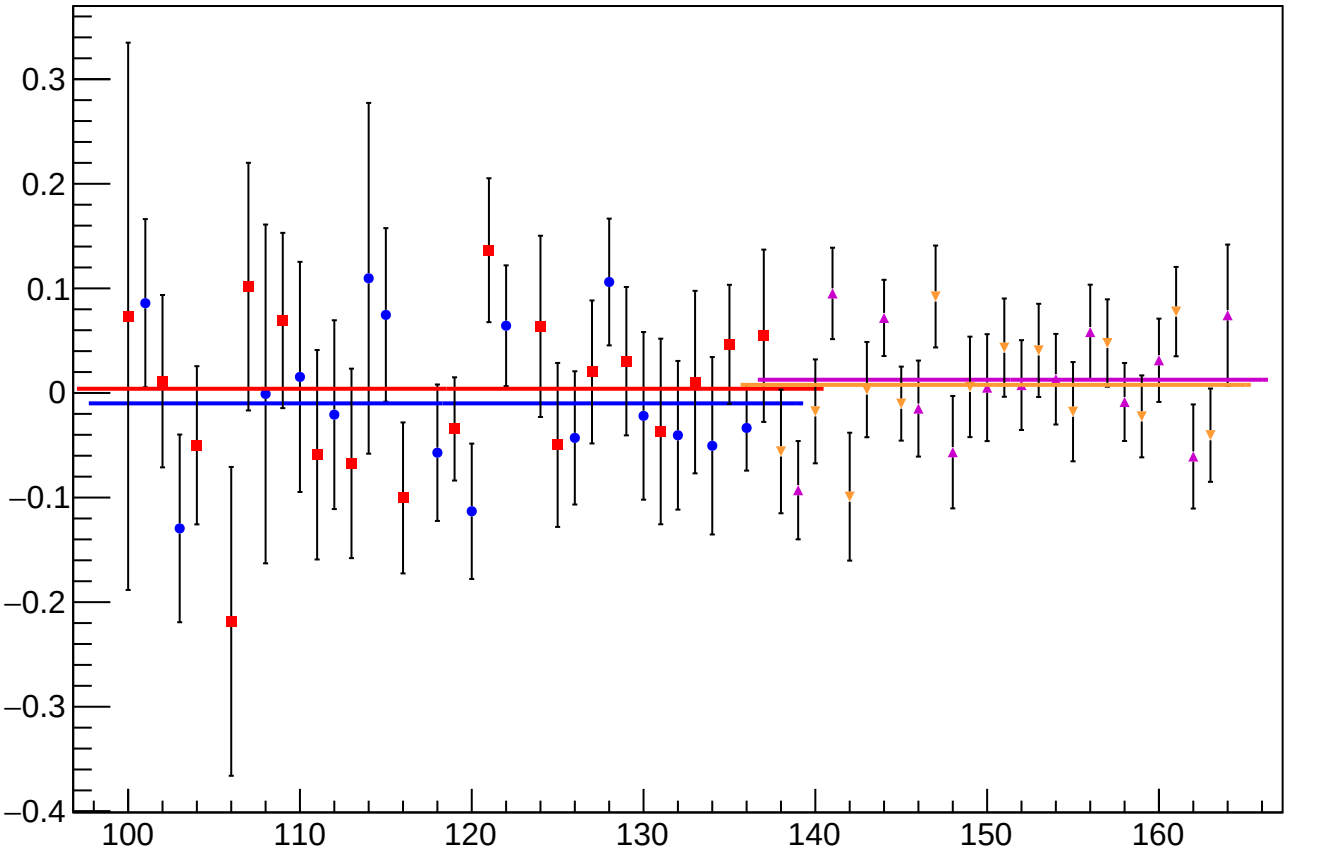
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1091492.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3658106.0/29

All: 0.000+/-0.000 χ^2/NDF: 8281827.8/61

- 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: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

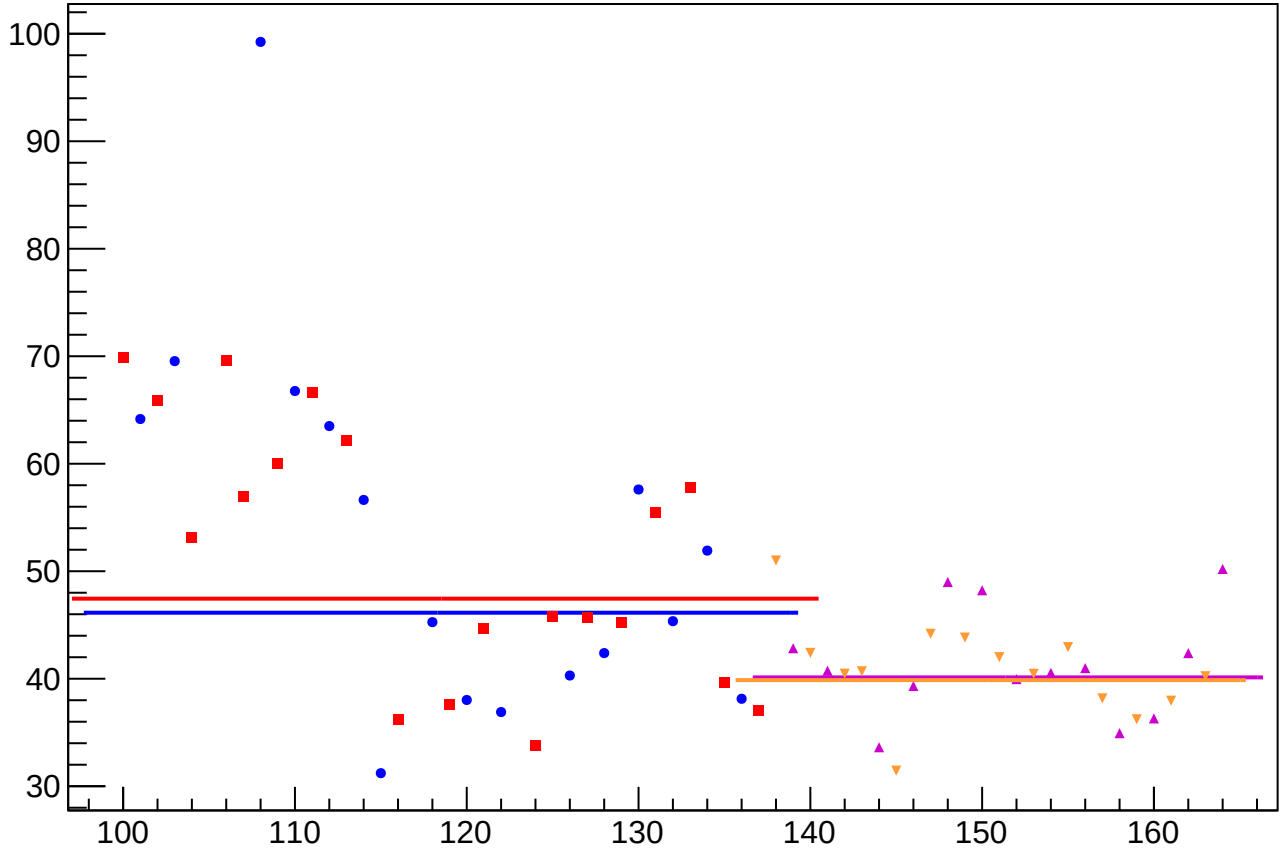
Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.006+/-0.007 χ^2/NDF: 61.6/61

- 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: 39.868+/-0.009 χ^2/NDF:257044.4/13

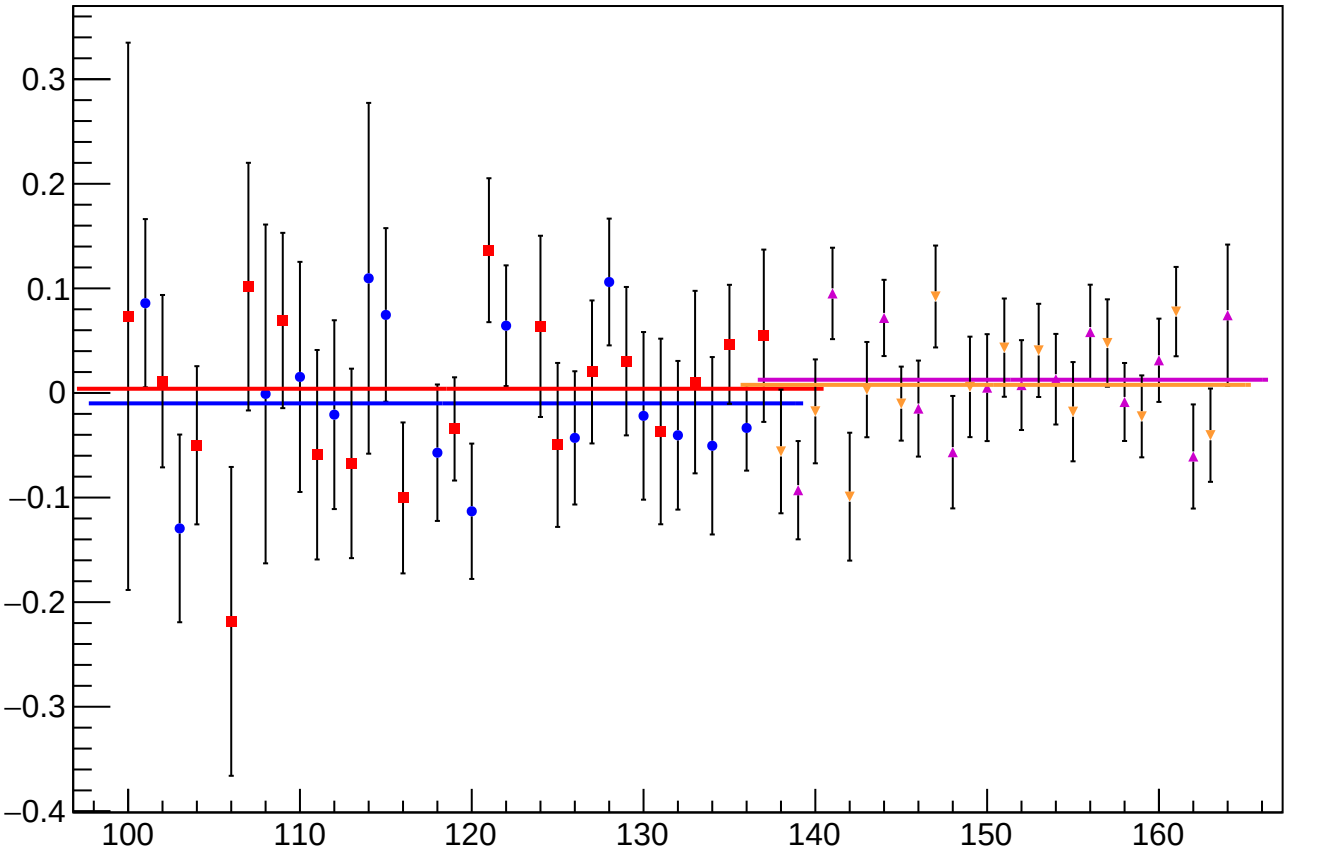
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

\+ sign 41.834+/-0.007 χ^2/NDF: 1327272.3/29

All: 42.148+/-0.005 χ^2/NDF: 2491372.5/61

\- 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: 0.008+/-0.012 χ^2/NDF:14.5/13

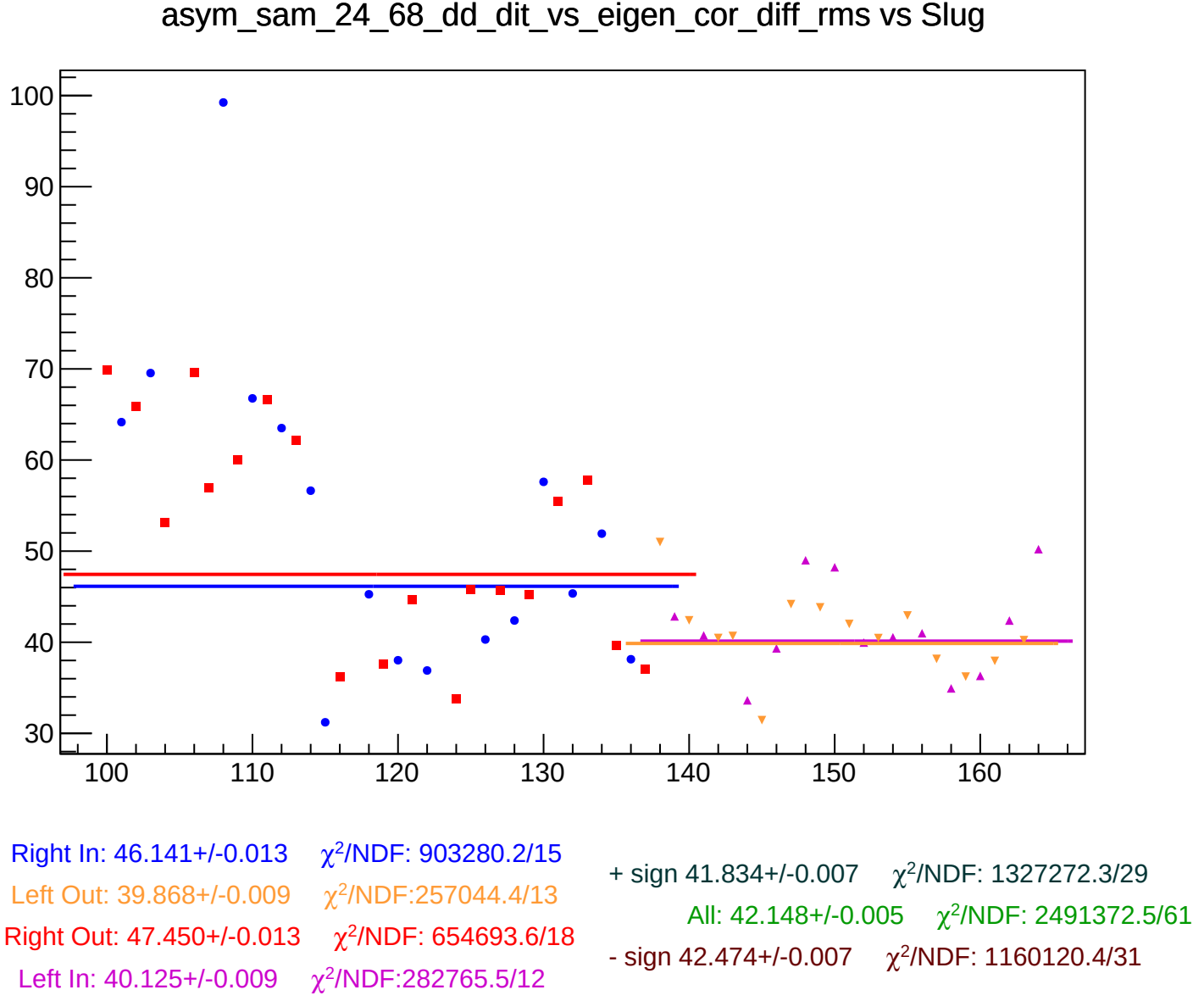
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

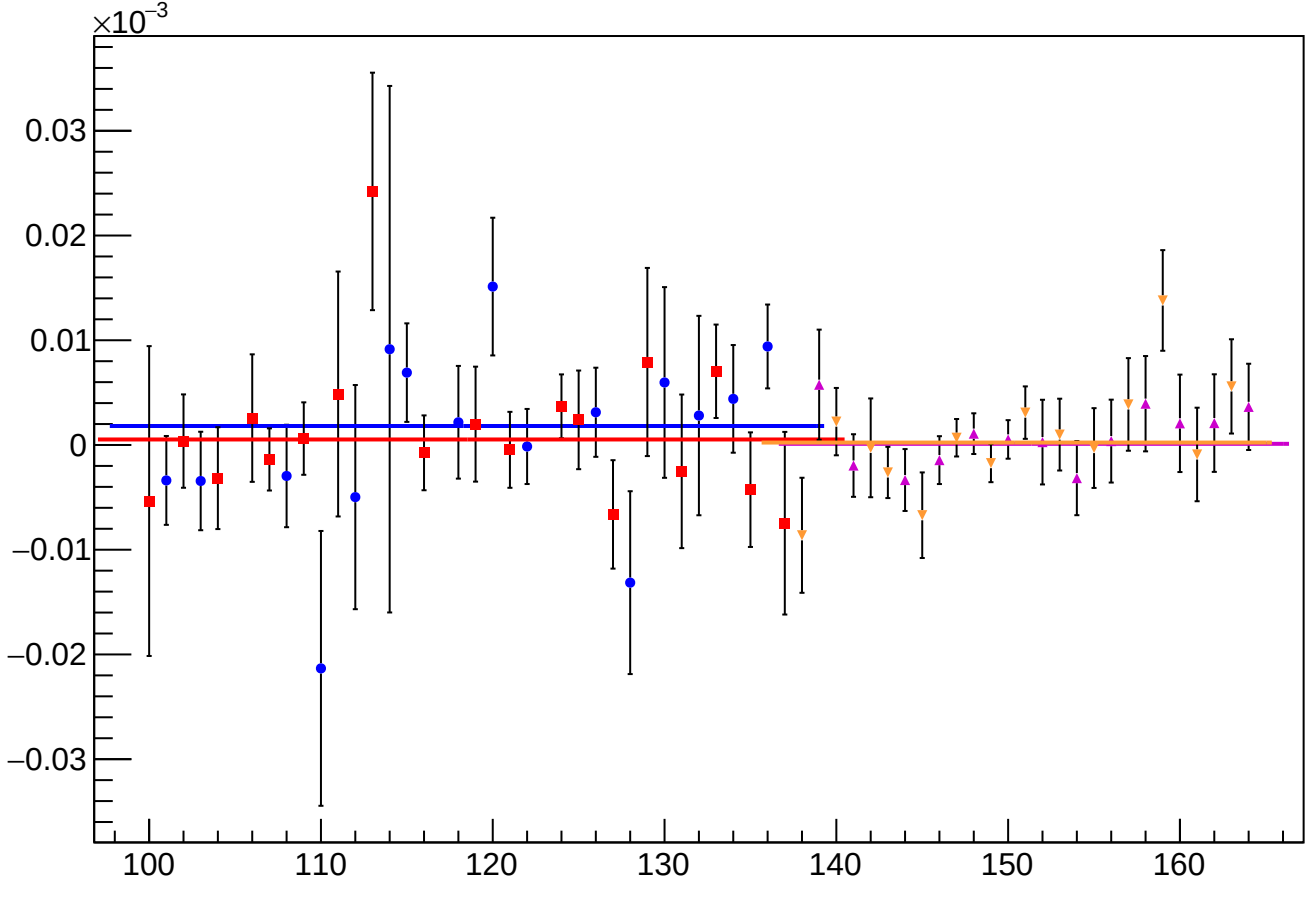
Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.006+/-0.007 χ^2/NDF: 61.6/61

- sign 0.010+/-0.010 χ^2/NDF: 31.9/31


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 46.141+/-0.013 χ²/NDF: 903280.2/15
Left Out: 39.868+/-0.009 χ²/NDF:257044.4/13
Right Out: 47.450+/-0.013 χ²/NDF: 654693.6/18
Left In: 40.125+/-0.009 χ²/NDF:282765.5/12
+ sign 41.834+/-0.007 χ²/NDF: 1327272.3/29
All: 42.148+/-0.005 χ²/NDF: 2491372.5/61
- sign 42.474+/-0.007 χ²/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:20.0/13

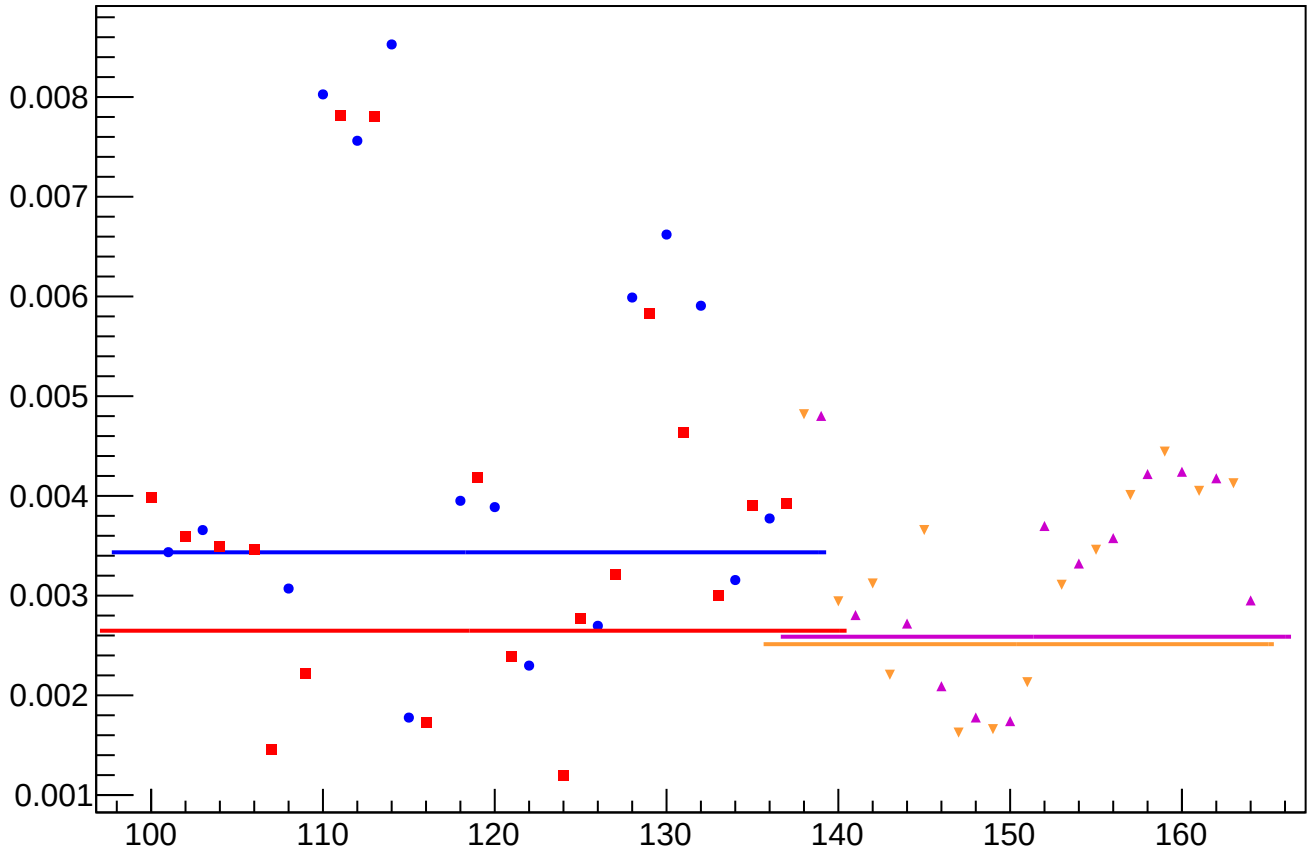
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/29

All: 0.000+/-0.000 χ^2/NDF: 61.4/61

- 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: 0.003+/-0.000 χ^2/NDF:2816501.8/13

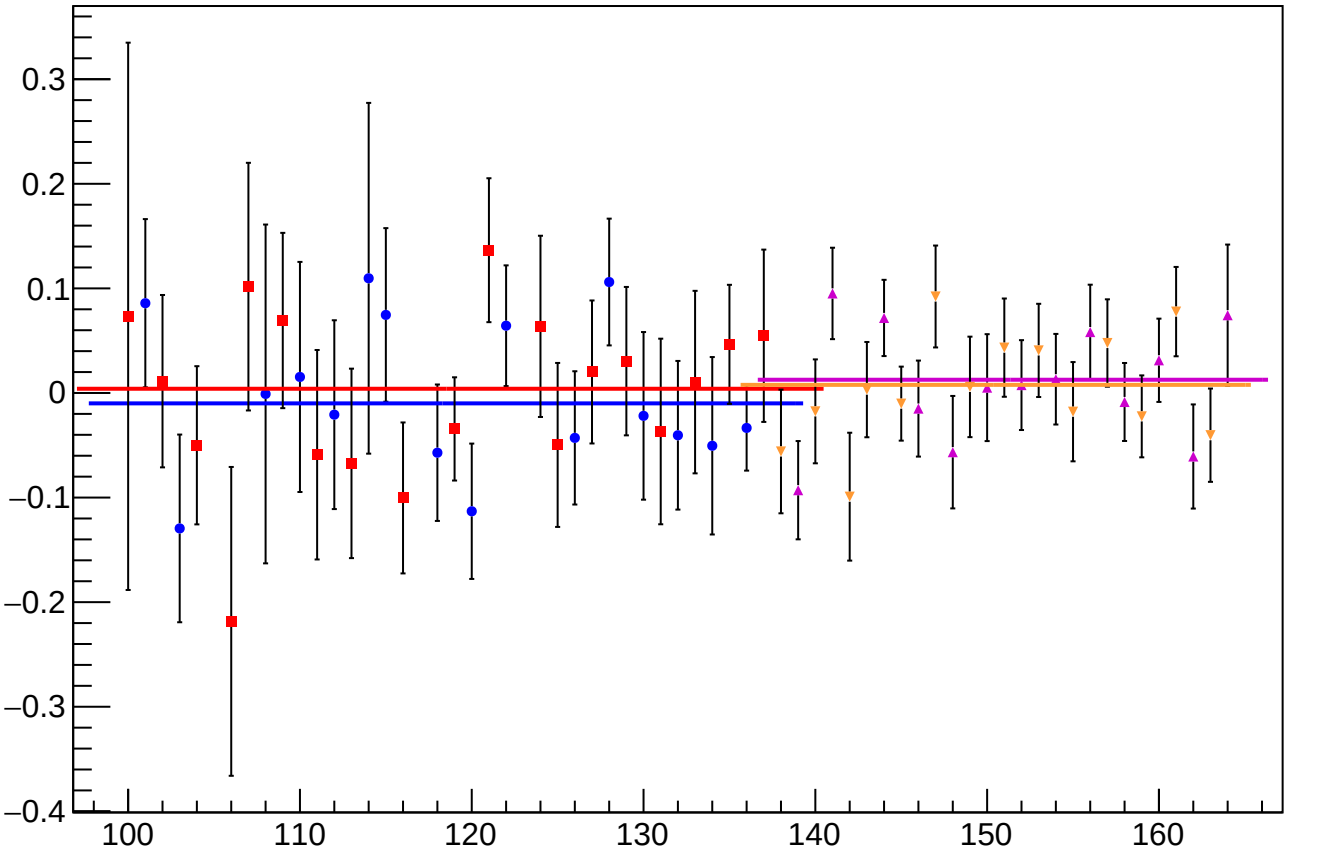
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2353283.5/12

+ sign 0.003+/-0.000 χ^2/NDF: 5233515.5/29

All: 0.003+/-0.000 χ^2/NDF: 10330203.1/61

- 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: 0.008+/-0.012 χ^2/NDF:14.5/13

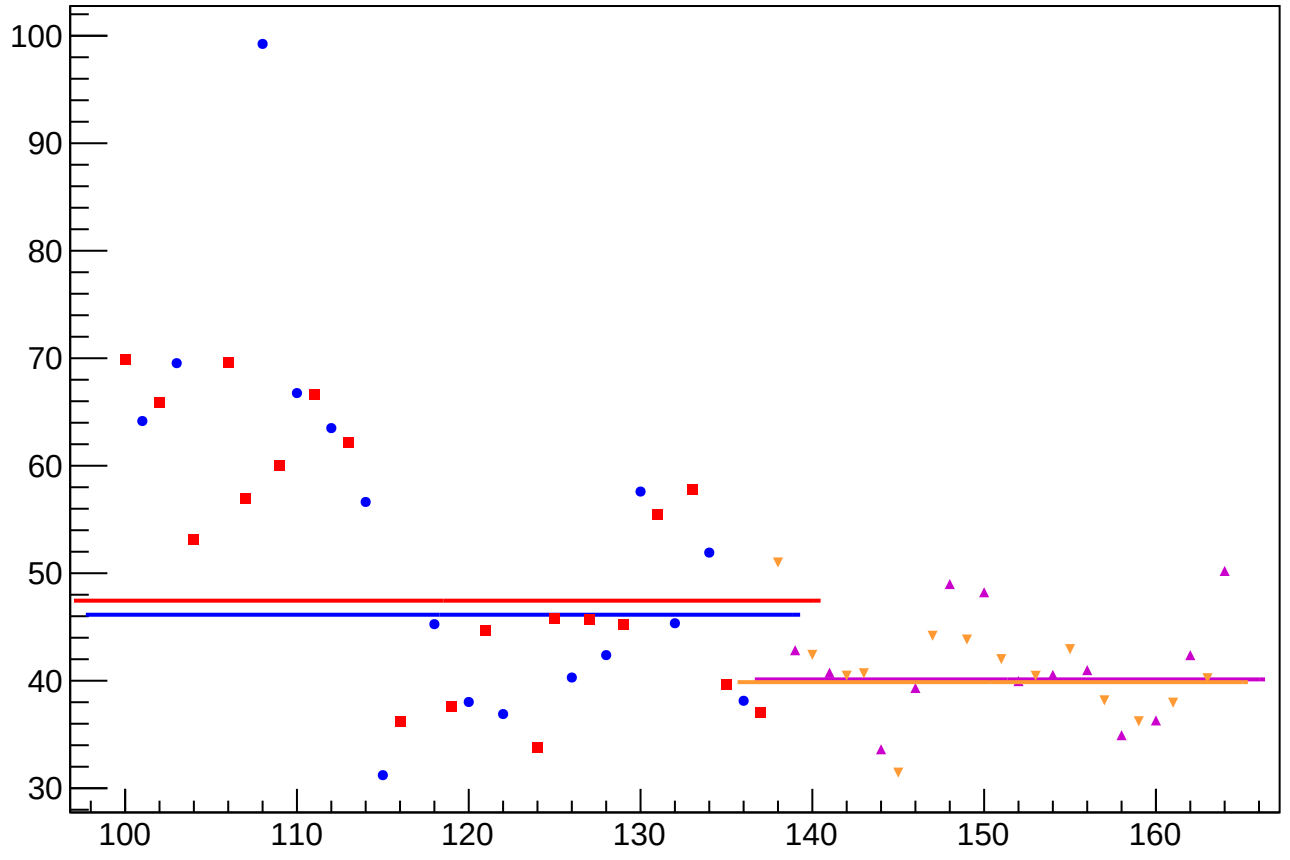
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.006+/-0.007 χ^2/NDF: 61.6/61

- 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: 39.868+/-0.009 χ^2/NDF:257059.7/13

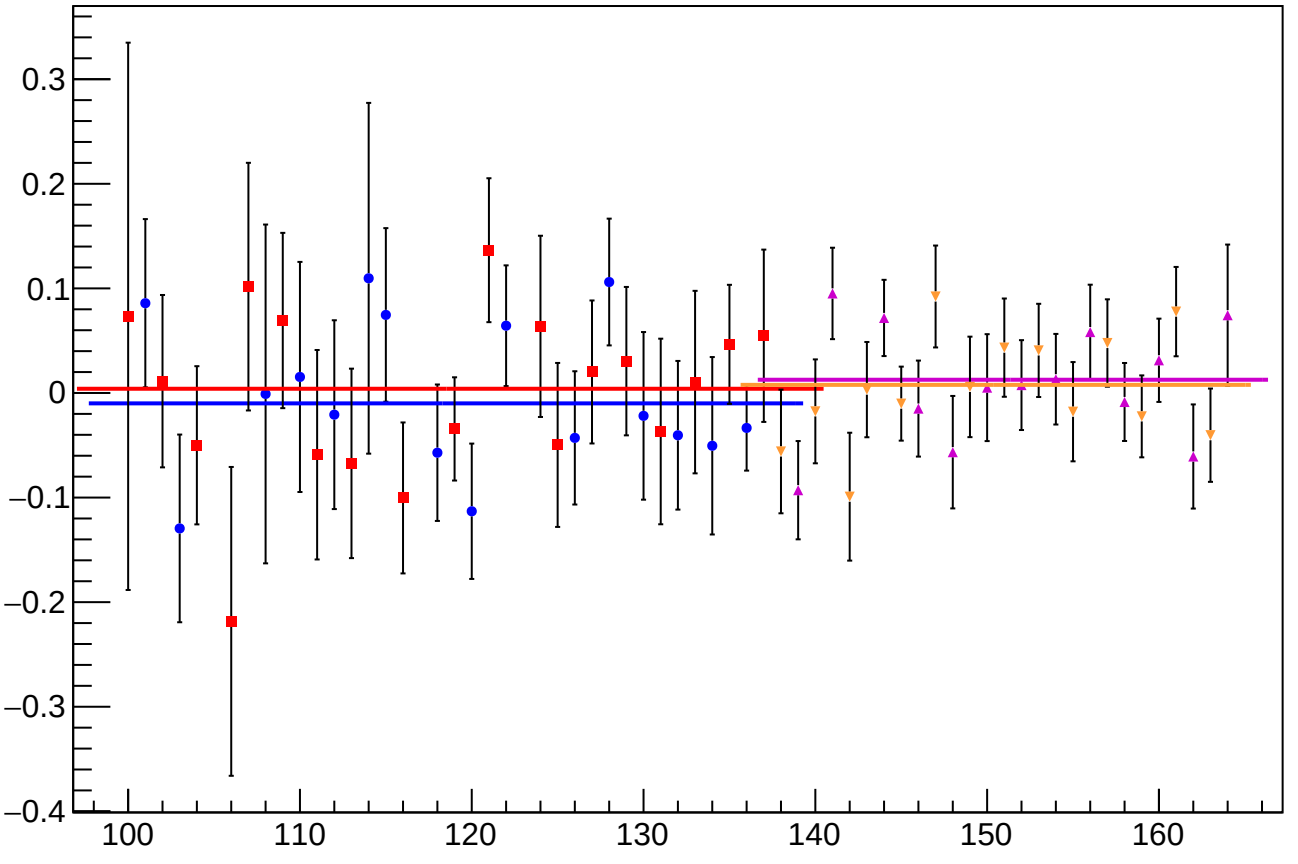
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

+ sign 41.833+/-0.007 χ^2/NDF: 1327170.4/29

All: 42.148+/-0.005 χ^2/NDF: 2491251.0/61

- 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: 0.008+/-0.012 χ^2/NDF:14.5/13

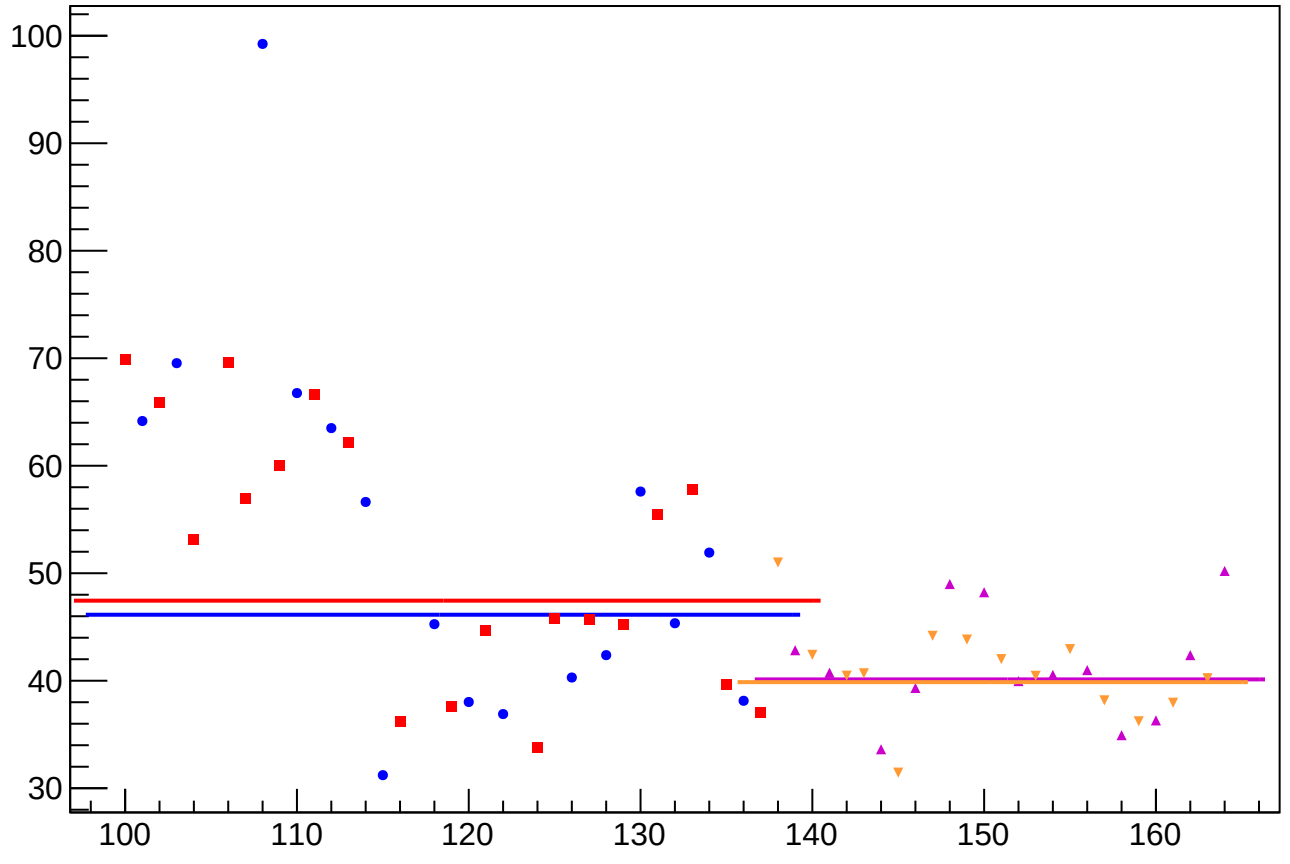
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.006+/-0.007 χ^2/NDF: 61.6/61

- 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: 39.868+/-0.009 χ^2/NDF:257059.7/13

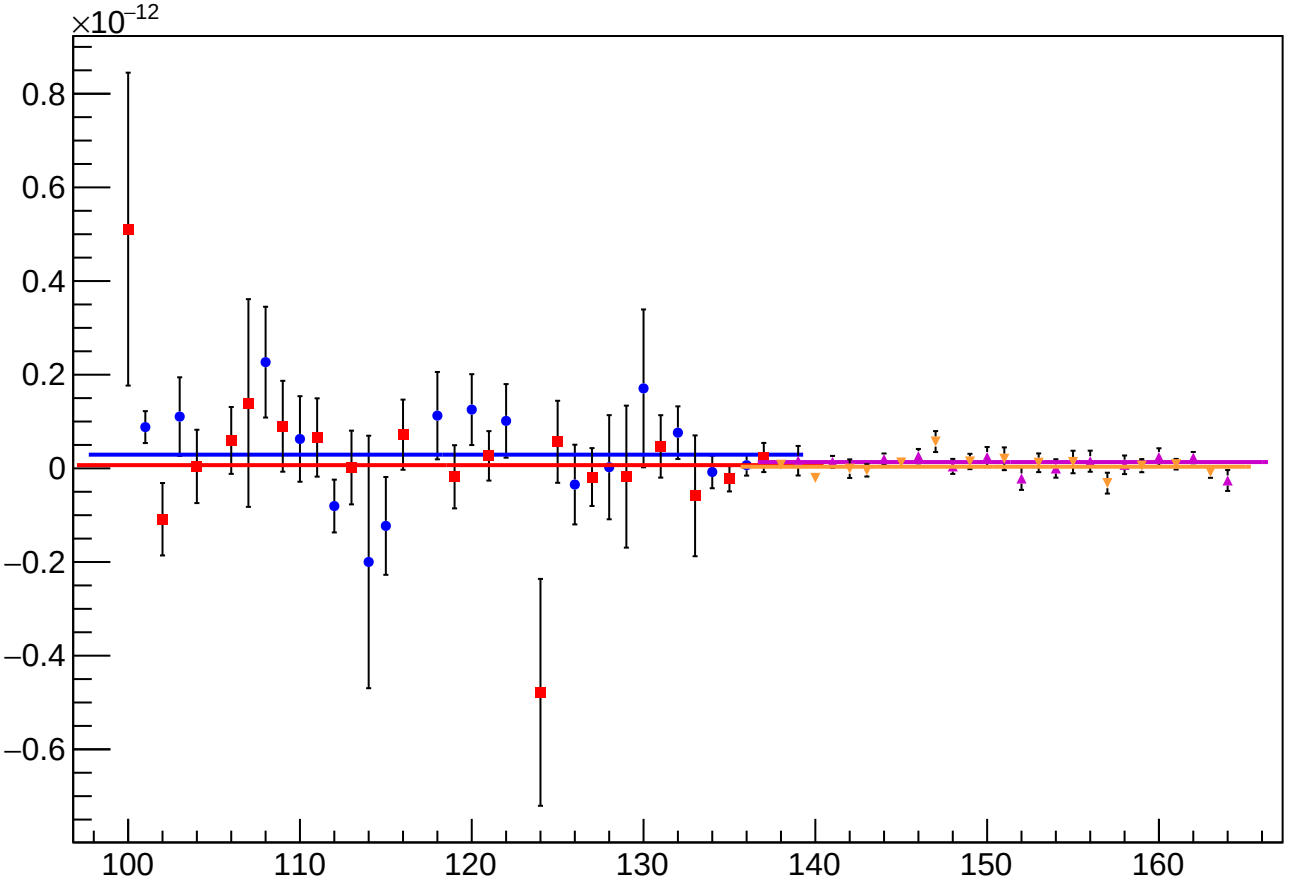
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

+ sign 41.833+/-0.007 χ^2/NDF: 1327170.4/29

All: 42.148+/-0.005 χ^2/NDF: 2491251.0/61

- 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:17.2/13

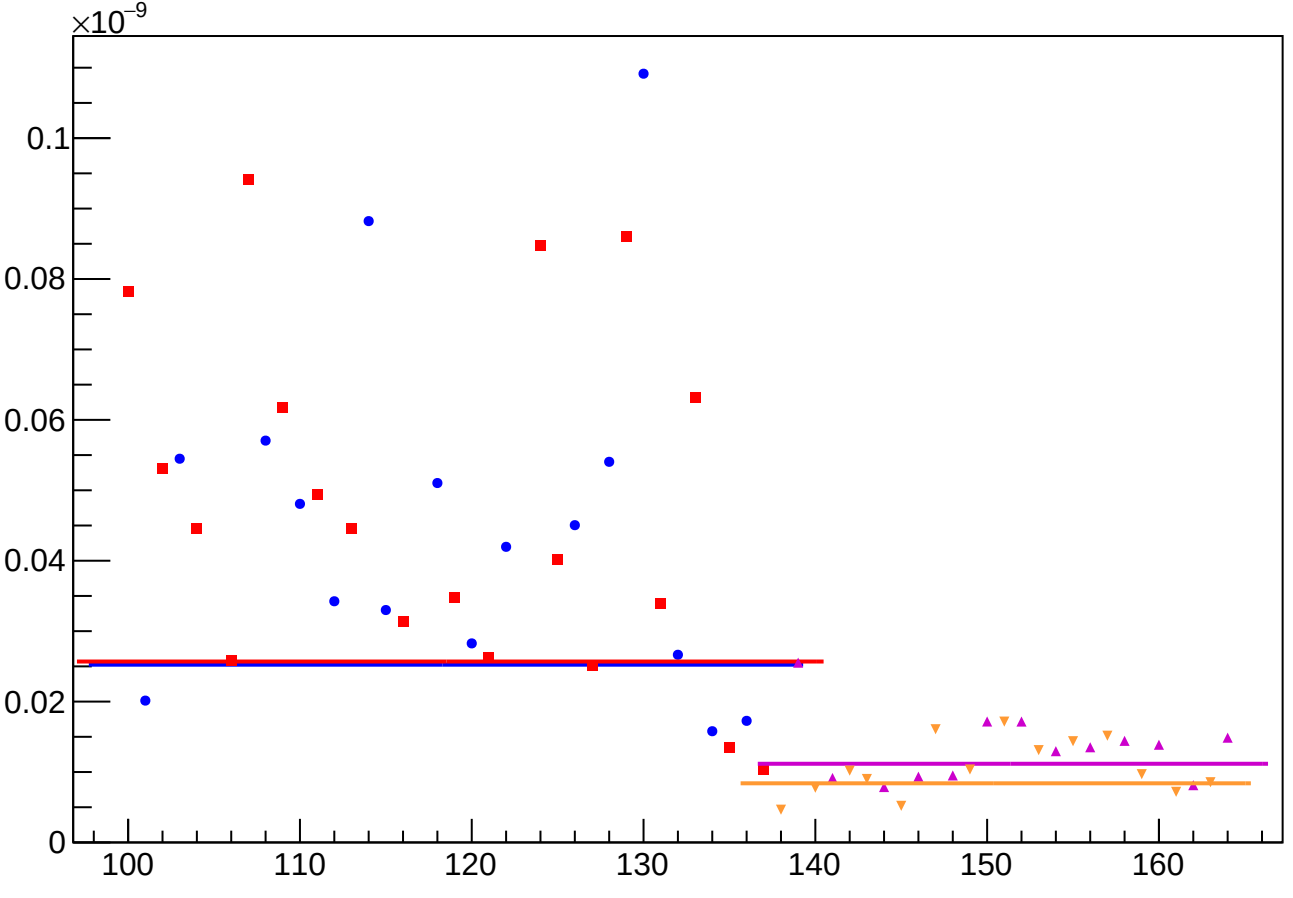
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/29

All: 0.000+/-0.000 χ^2/NDF: 65.9/61

- 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:1528227.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

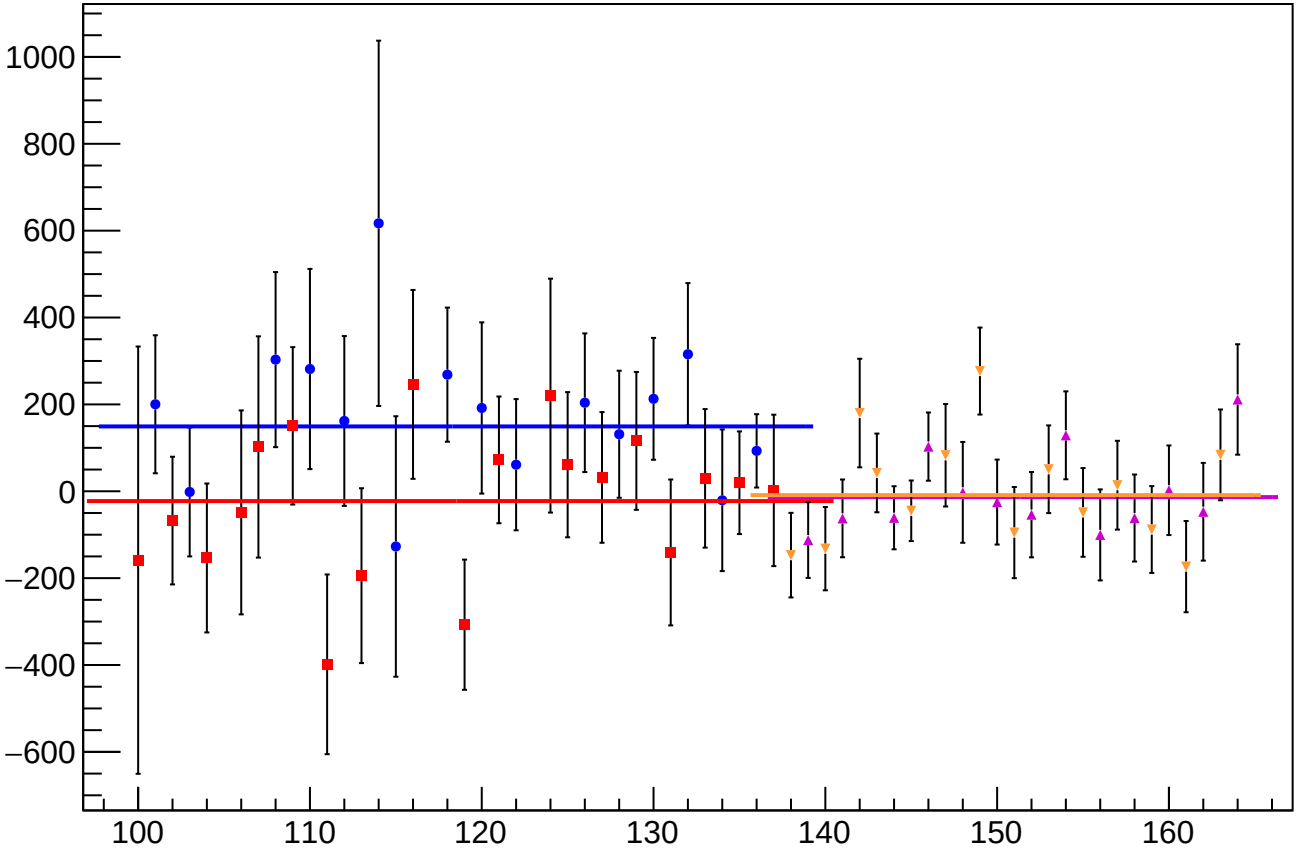
Left In: 0.000+/-0.000 χ^2/NDF:1259511.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 6531210.8/29

All: 0.000+/-0.000 χ^2/NDF: 12973723.5/61

- 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: -8.877+/-26.353 χ^2/NDF:20.4/13

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

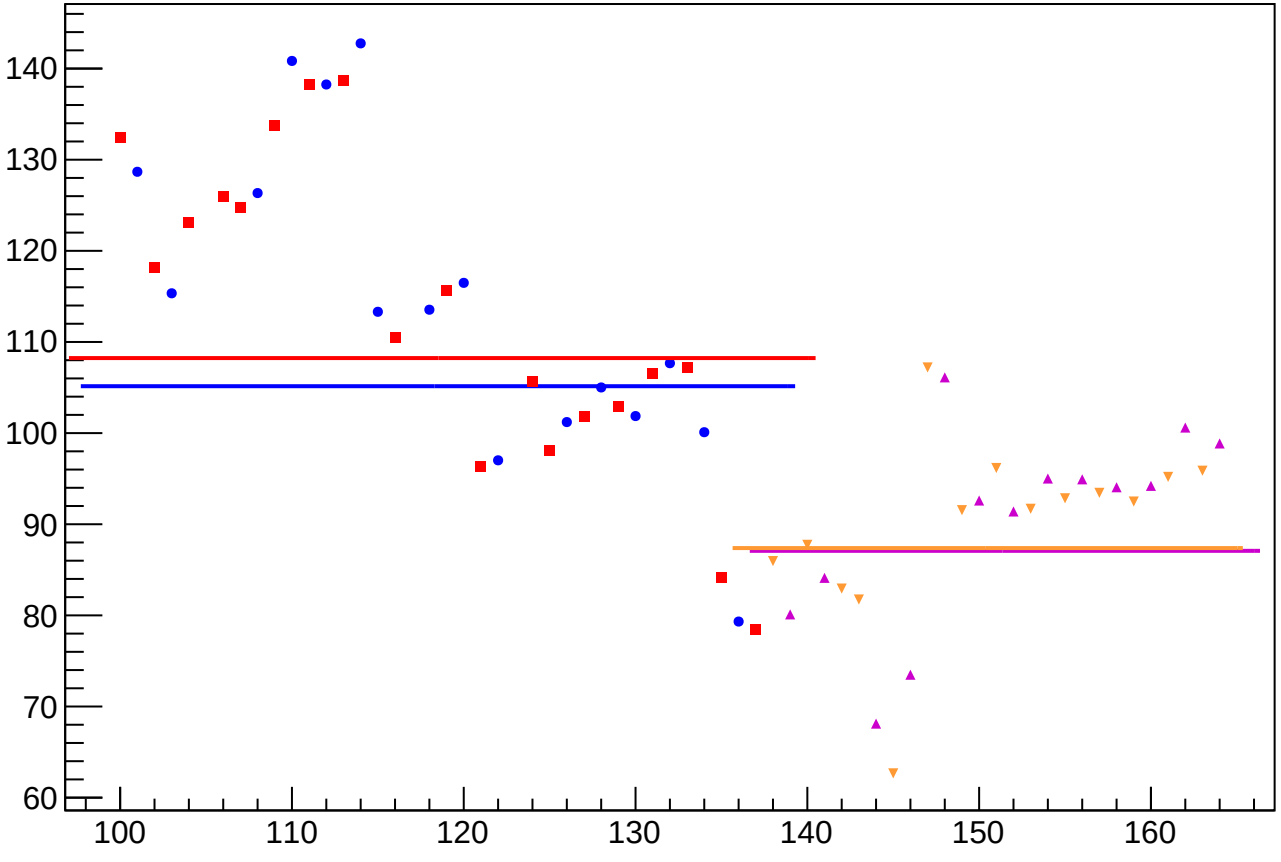
Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 39.527+/-21.954 χ^2/NDF: 39.4/29

All: 11.924+/-15.597 χ^2/NDF: 67.4/61

- 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: 87.384+/-0.019 χ^2/NDF:381670.4/13

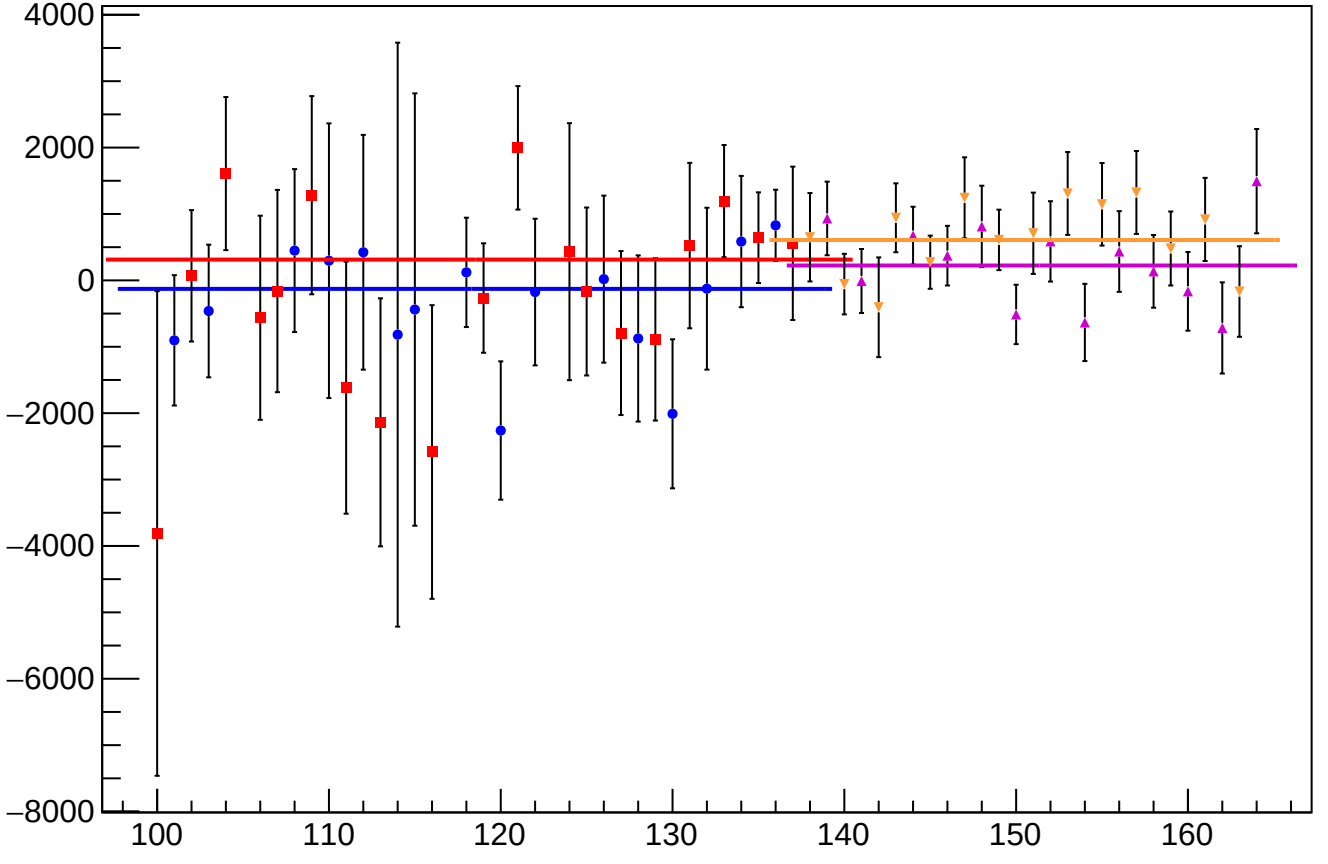
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

+ sign 92.819+/-0.016 χ^2/NDF: 1068111.2/29

All: 93.177+/-0.011 χ^2/NDF: 2169821.6/61

- 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: 607.548+/-149.710 χ^2/NDF:11.1/13

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

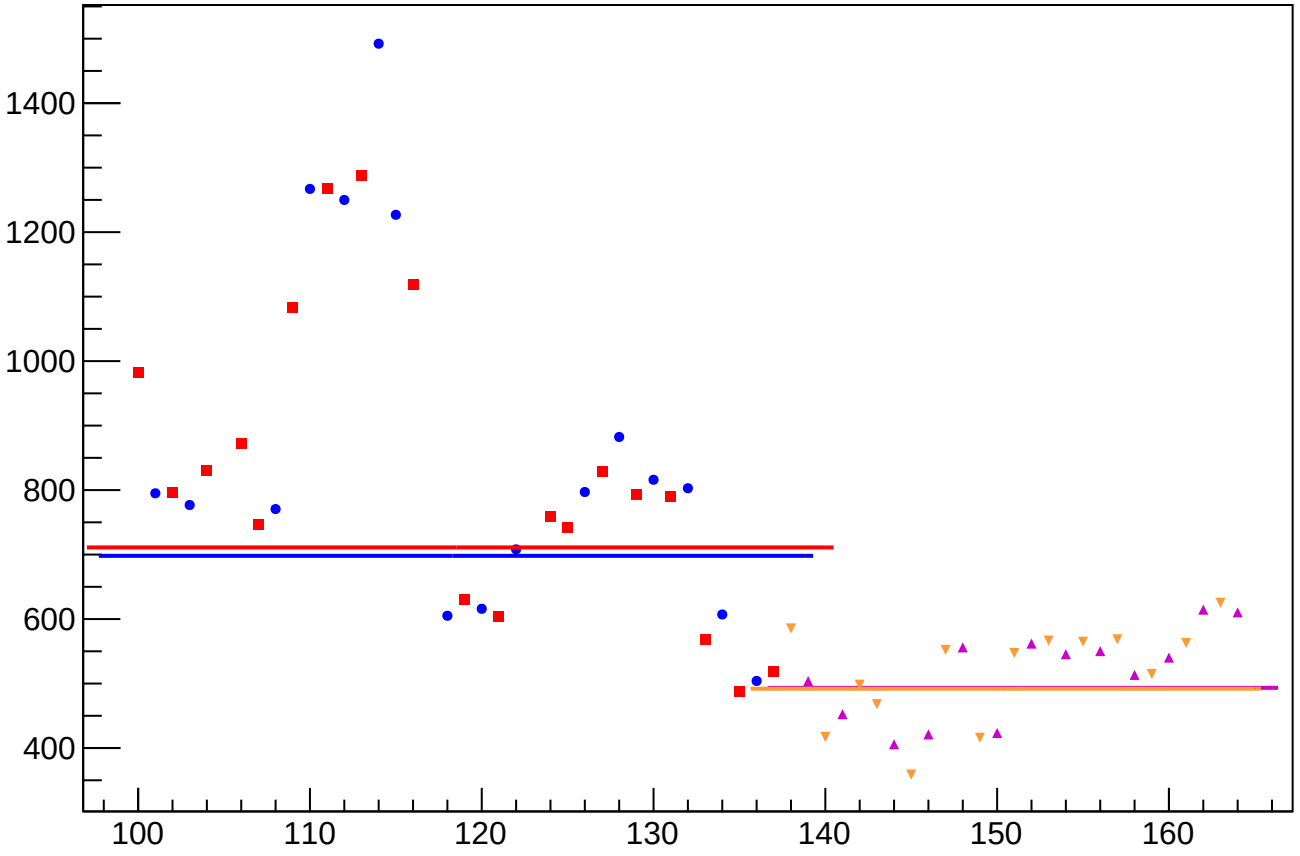
Left In: 223.766+/-151.147 χ^2/NDF:14.3/12

+ sign 433.202+/-130.770 χ^2/NDF: 29.1/29

All: 339.937+/-92.866 χ^2/NDF: 59.5/61

- 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: 492.020+/-0.106 χ^2/NDF:602397.8/13

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

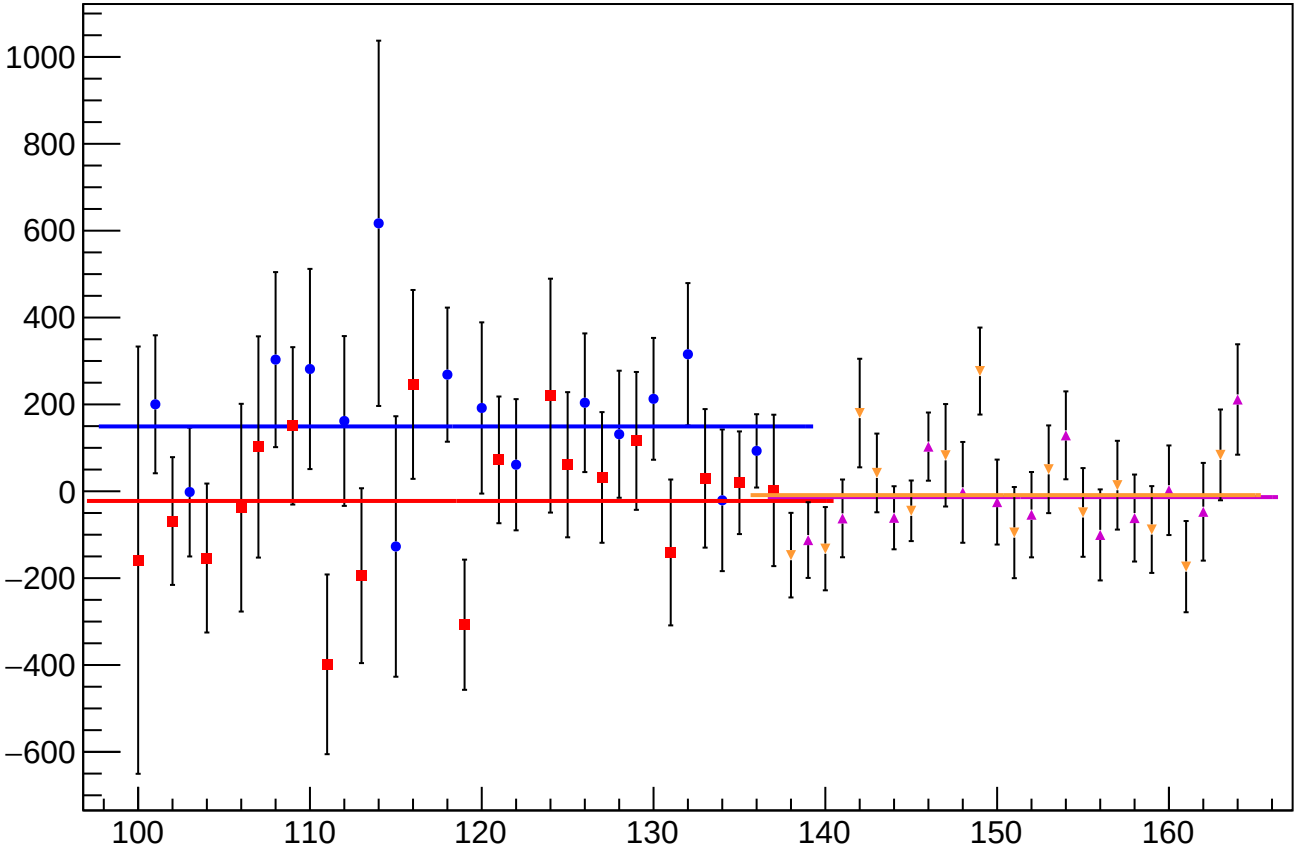
Left In: 493.343+/-0.107 χ^2/NDF:398769.8/12

+ sign 540.852+/-0.092 χ^2/NDF: 2413051.0/29

All: 543.037+/-0.066 χ^2/NDF: 4837728.9/61

- 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: -8.878+/-26.353 χ^2/NDF:20.4/13

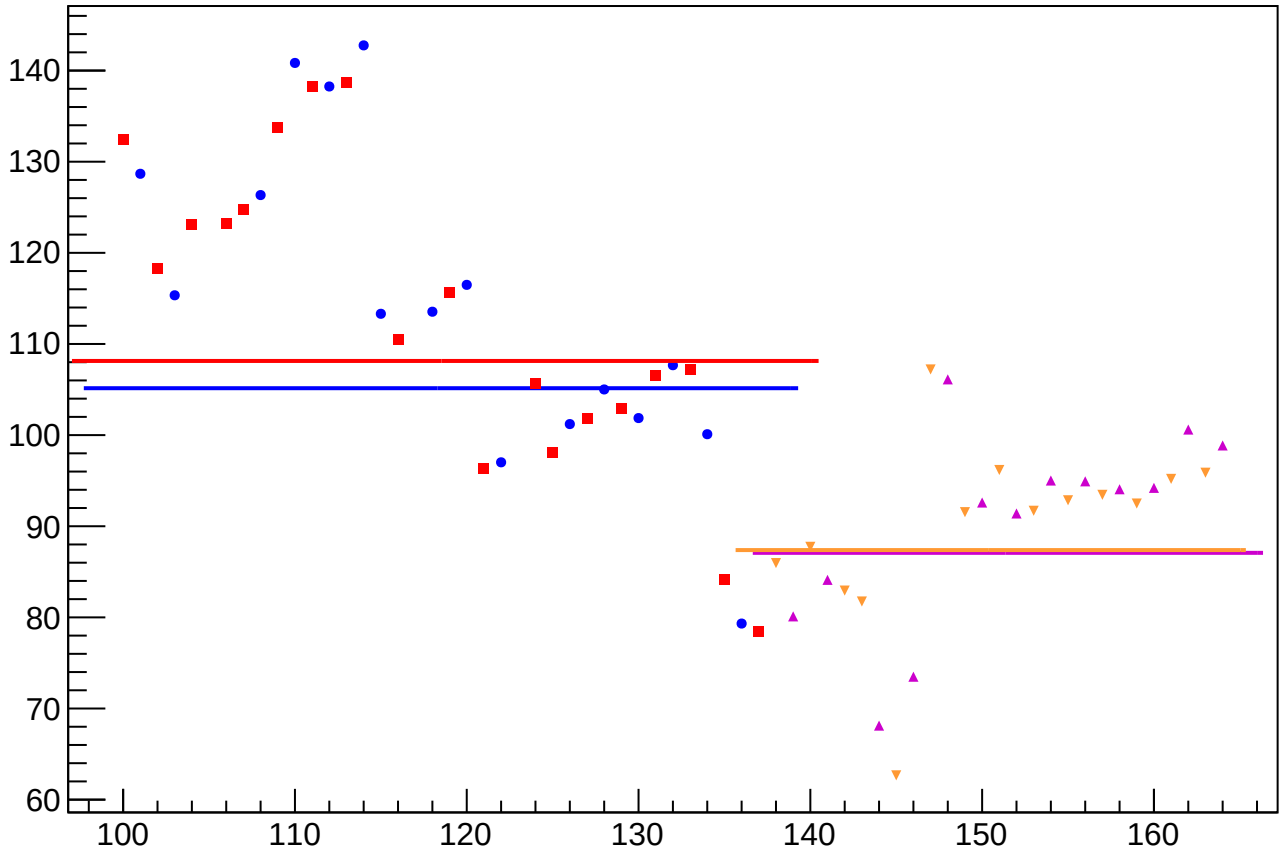
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 39.524+/-21.954 χ^2/NDF: 39.4/29

All: 11.966+/-15.598 χ^2/NDF: 67.4/61

- sign -16.126+/-22.166 χ^2/NDF: 24.8/31



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

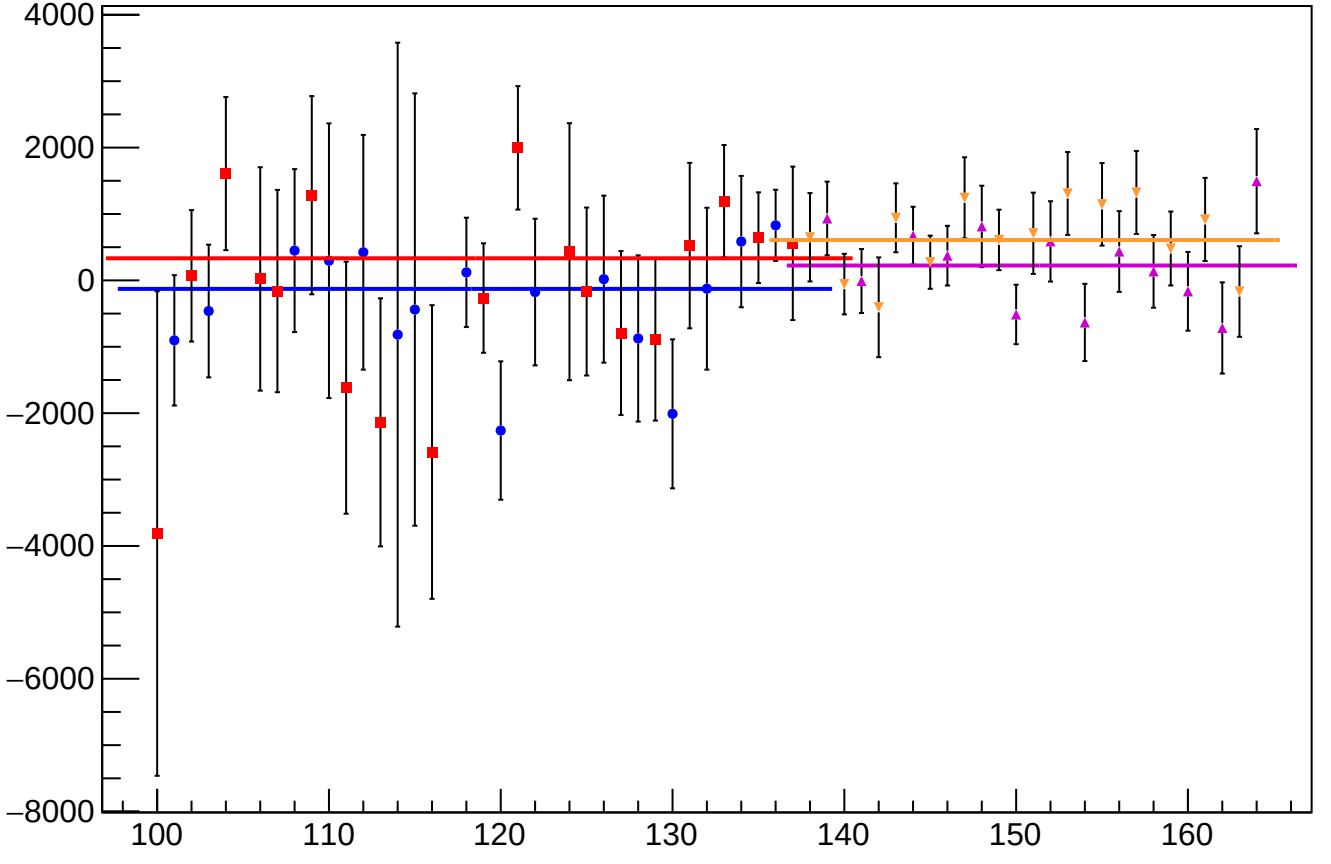
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

+ sign 92.819+/-0.016 χ^2/NDF: 1068111.5/29

All: 93.160+/-0.011 χ^2/NDF: 2162300.7/61

- 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: 607.549+/-149.710 χ^2/NDF:11.1/13

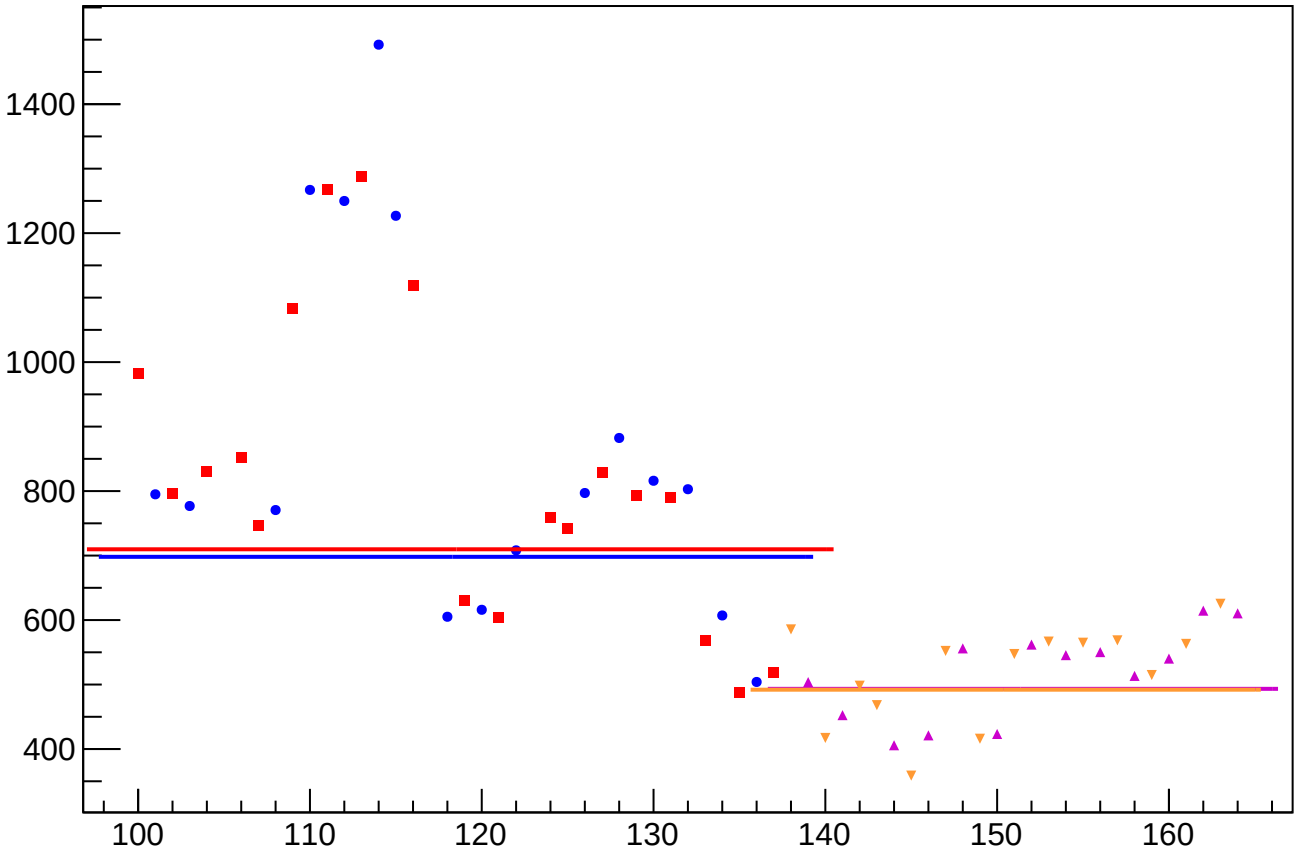
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 223.764+/-151.147 χ^2/NDF:14.3/12

+ sign 433.205+/-130.770 χ^2/NDF: 29.1/29

All: 342.264+/-92.895 χ^2/NDF: 59.2/61

- 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: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

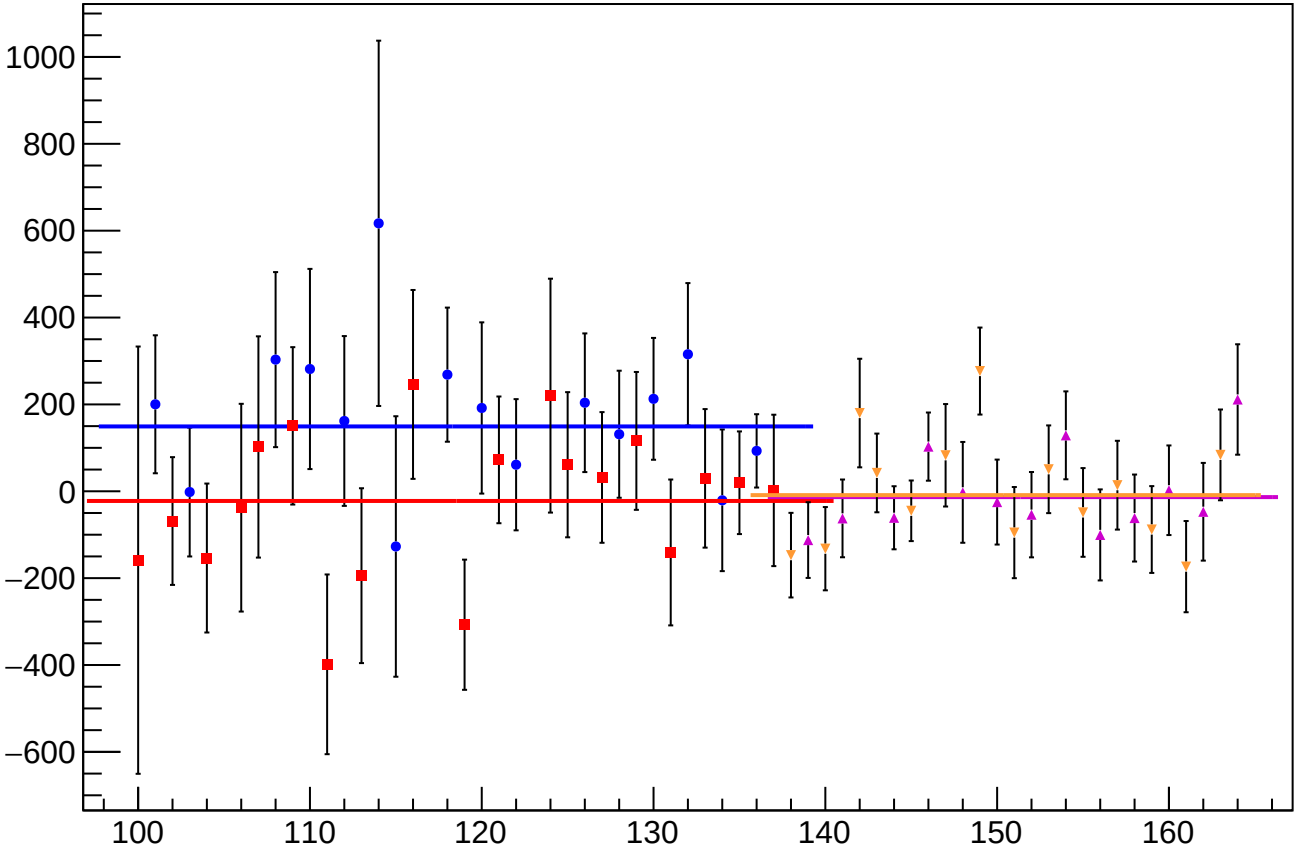
Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

+ sign 540.853+/-0.092 χ^2/NDF: 2413063.5/29

All: 542.776+/-0.066 χ^2/NDF: 4813474.2/61

- 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: -8.878+/-26.353 χ^2/NDF:20.4/13

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

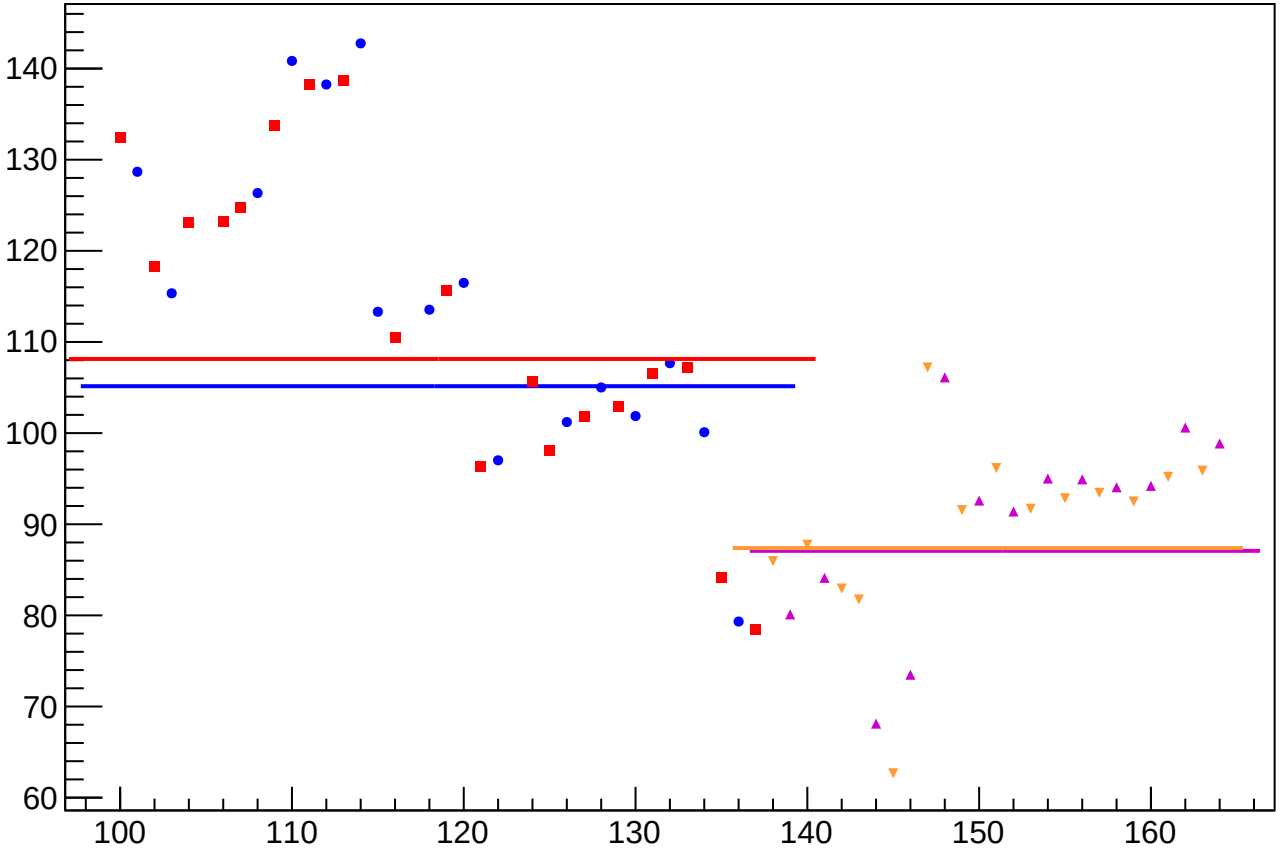
Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 39.524+/-21.954 χ^2/NDF: 39.4/29

All: 11.966+/-15.598 χ^2/NDF: 67.4/61

- 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: 87.384+/-0.019 χ^2/NDF:381670.4/13

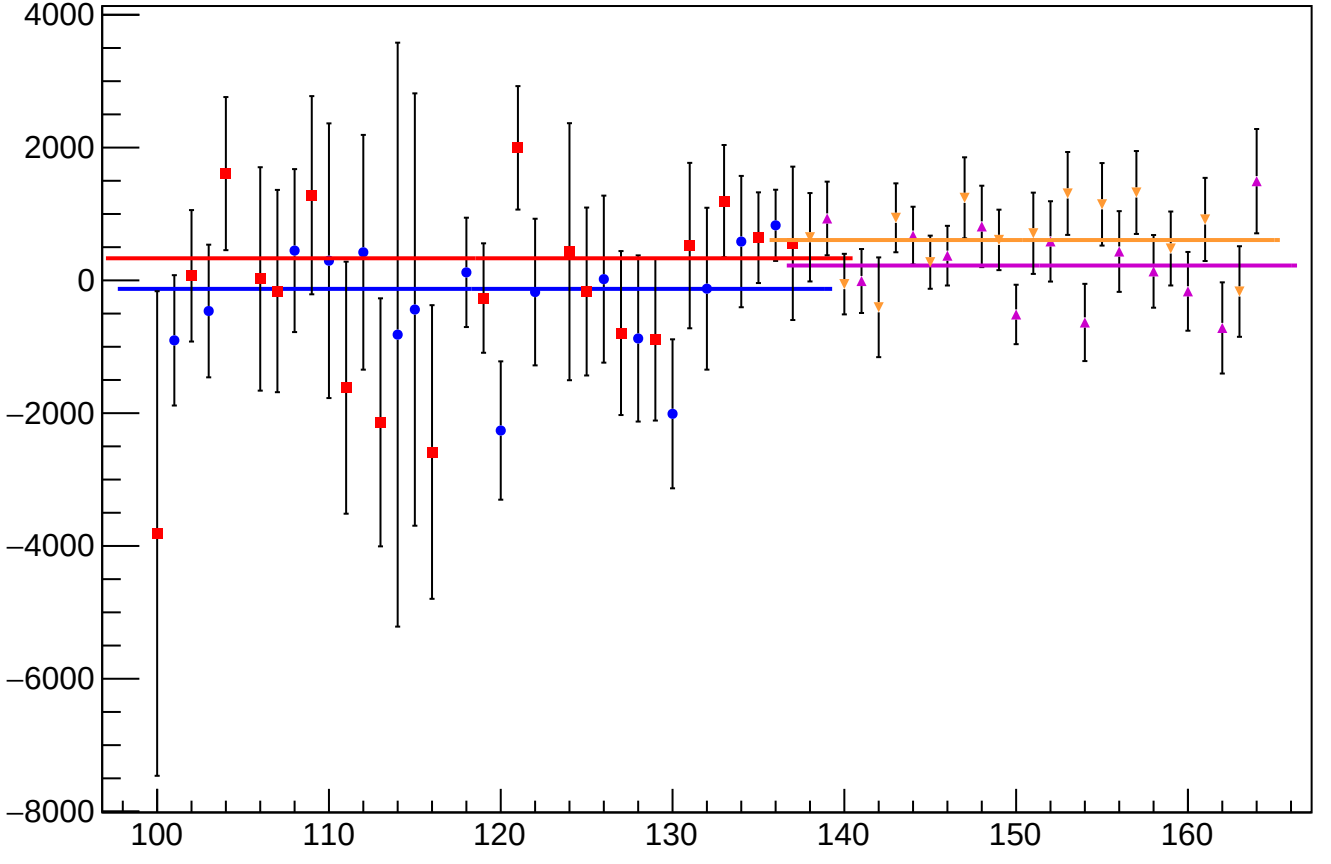
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

\+ sign 92.819+/-0.016 χ^2/NDF: 1068111.5/29

All: 93.160+/-0.011 χ^2/NDF: 2162300.7/61

\- 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: 607.549+/-149.710 χ^2/NDF:11.1/13

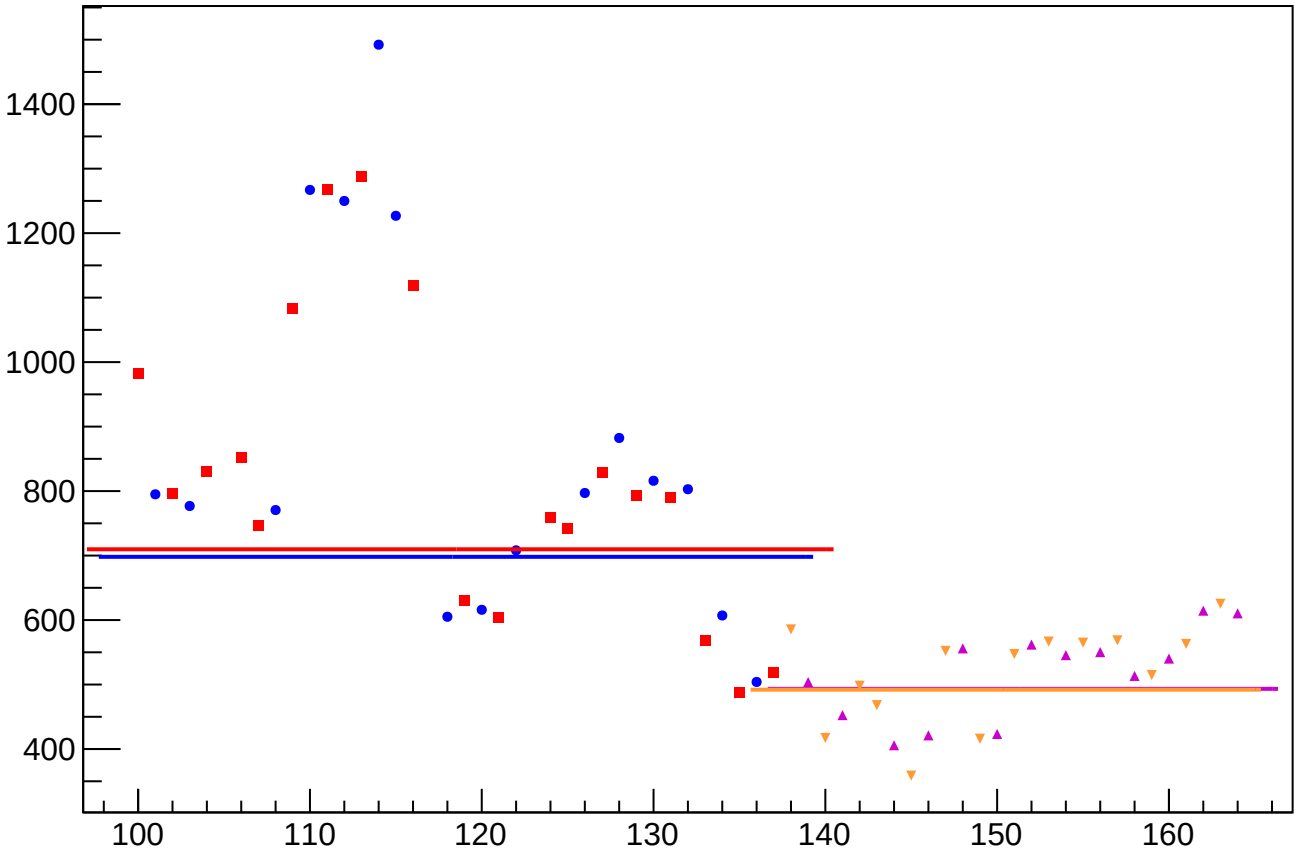
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 223.764+/-151.147 χ^2/NDF:14.3/12

+ sign 433.205+/-130.770 χ^2/NDF: 29.1/29

All: 342.264+/-92.895 χ^2/NDF: 59.2/61

- 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: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

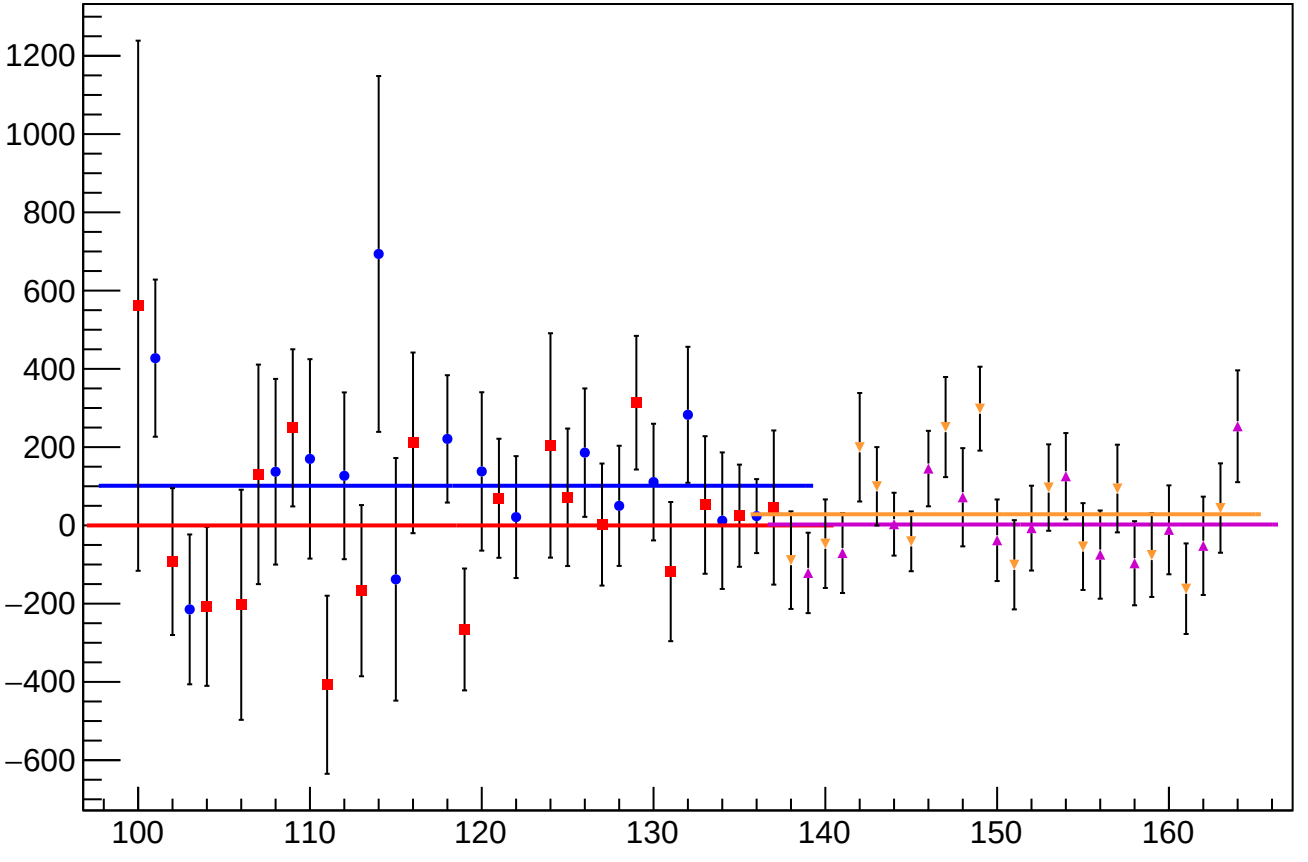
Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

+ sign 540.853+/-0.092 χ^2/NDF: 2413063.5/29

All: 542.776+/-0.066 χ^2/NDF: 4813474.2/61

- 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: 28.422+/-29.212 χ^2/NDF:19.8/13

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

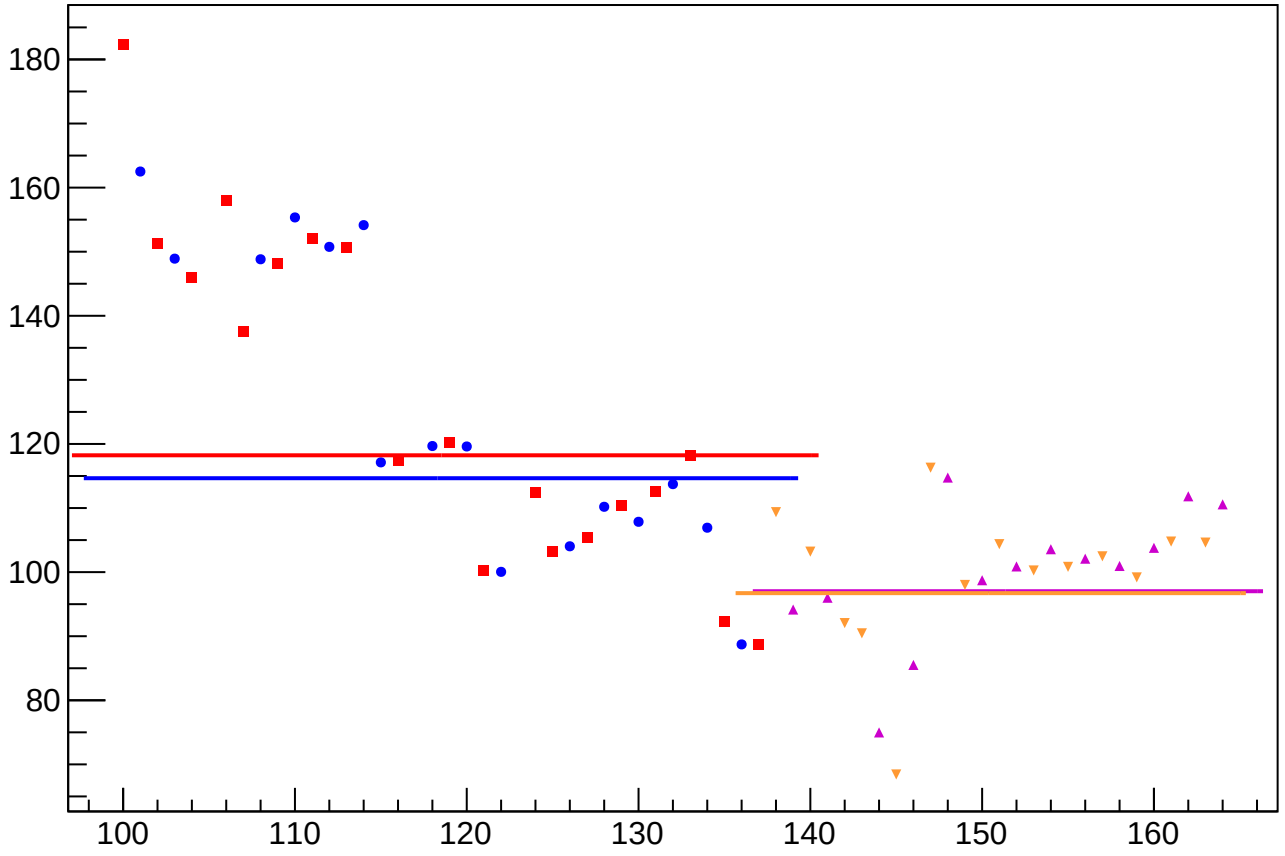
Left In: 2.277+/-29.738 χ^2/NDF:10.5/12

\+ sign 51.059+/-24.253 χ^2/NDF: 32.7/29

All: 26.689+/-17.286 χ^2/NDF: 61.9/61

\- 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: 96.720+/-0.021 χ^2/NDF:398014.4/13

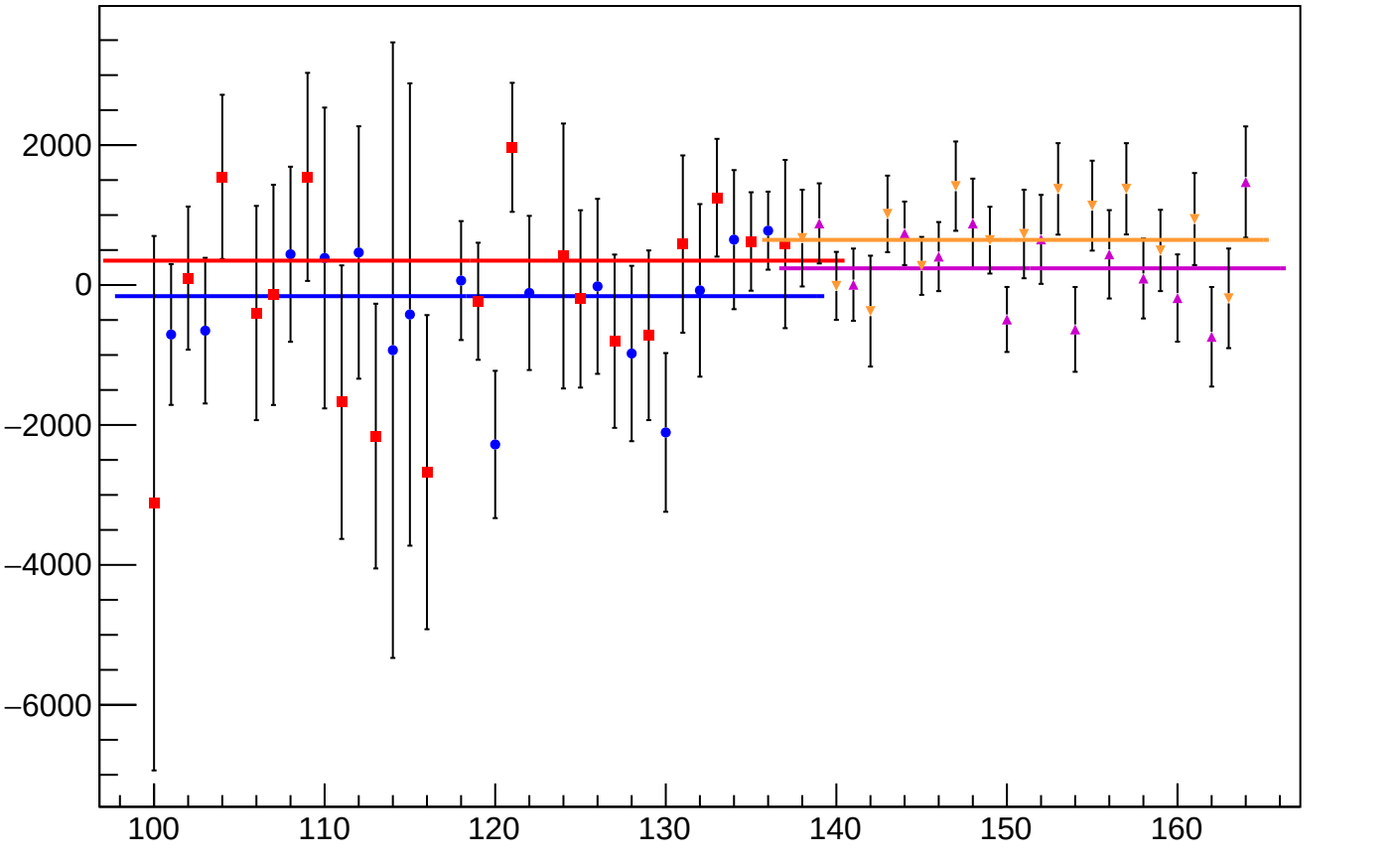
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.1/12

+ sign 102.292+/-0.017 χ^2/NDF: 1164228.2/29

All: 102.967+/-0.012 χ^2/NDF: 2259860.4/61

- 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: 645.023+/-156.558 χ^2/NDF:10.9/13

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

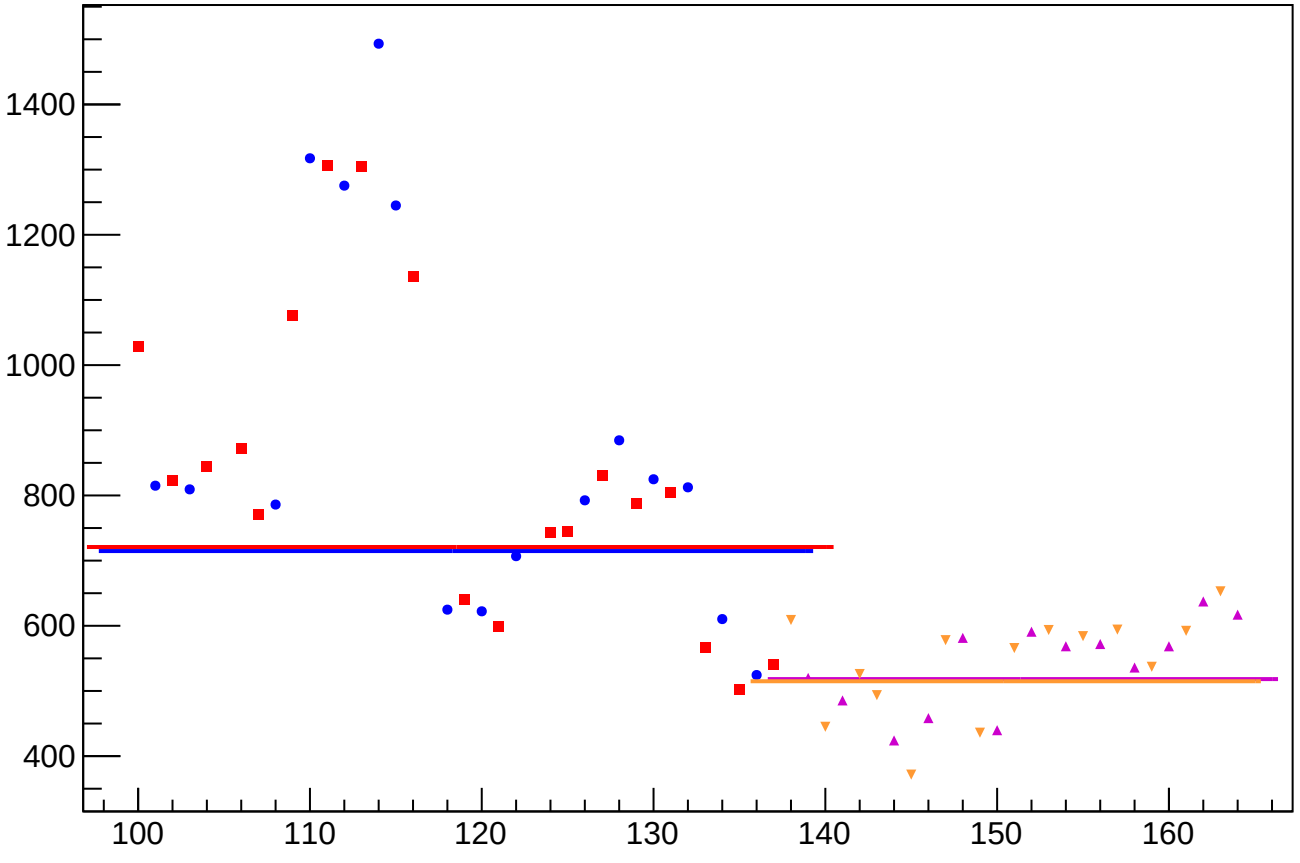
Left In: 238.792+/-158.691 χ^2/NDF:13.7/12

+ sign 447.715+/-136.001 χ^2/NDF: 29.4/29

All: 357.908+/-96.613 χ^2/NDF: 58.4/61

- 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: 514.896+/-0.111 χ^2/NDF:595900.5/13

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

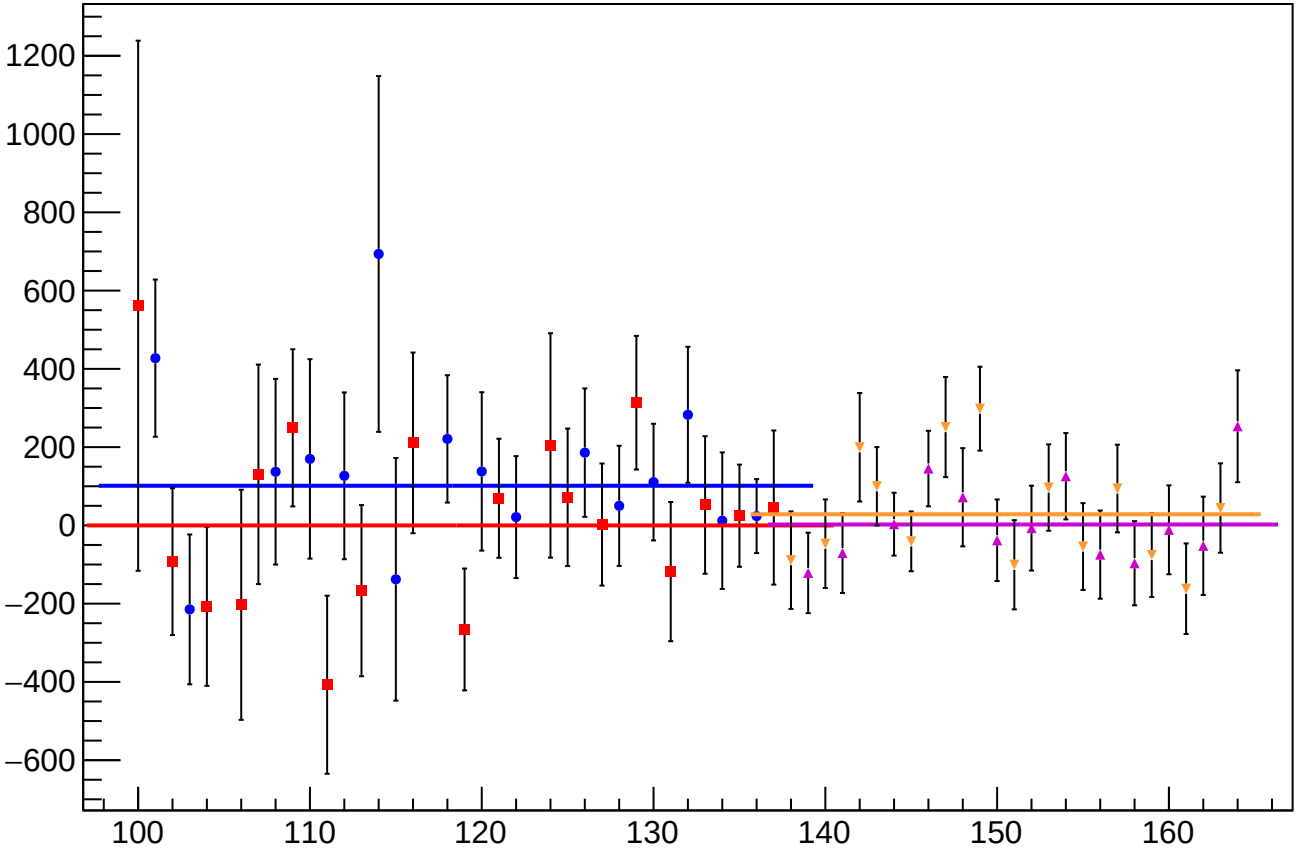
Left In: 518.209+/-0.112 χ^2/NDF:356155.8/12

+ sign 563.913+/-0.096 χ^2/NDF: 2271138.9/29

All: 566.547+/-0.068 χ^2/NDF: 4468485.8/61

- 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: 28.421+/-29.212 χ^2/NDF:19.8/13

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

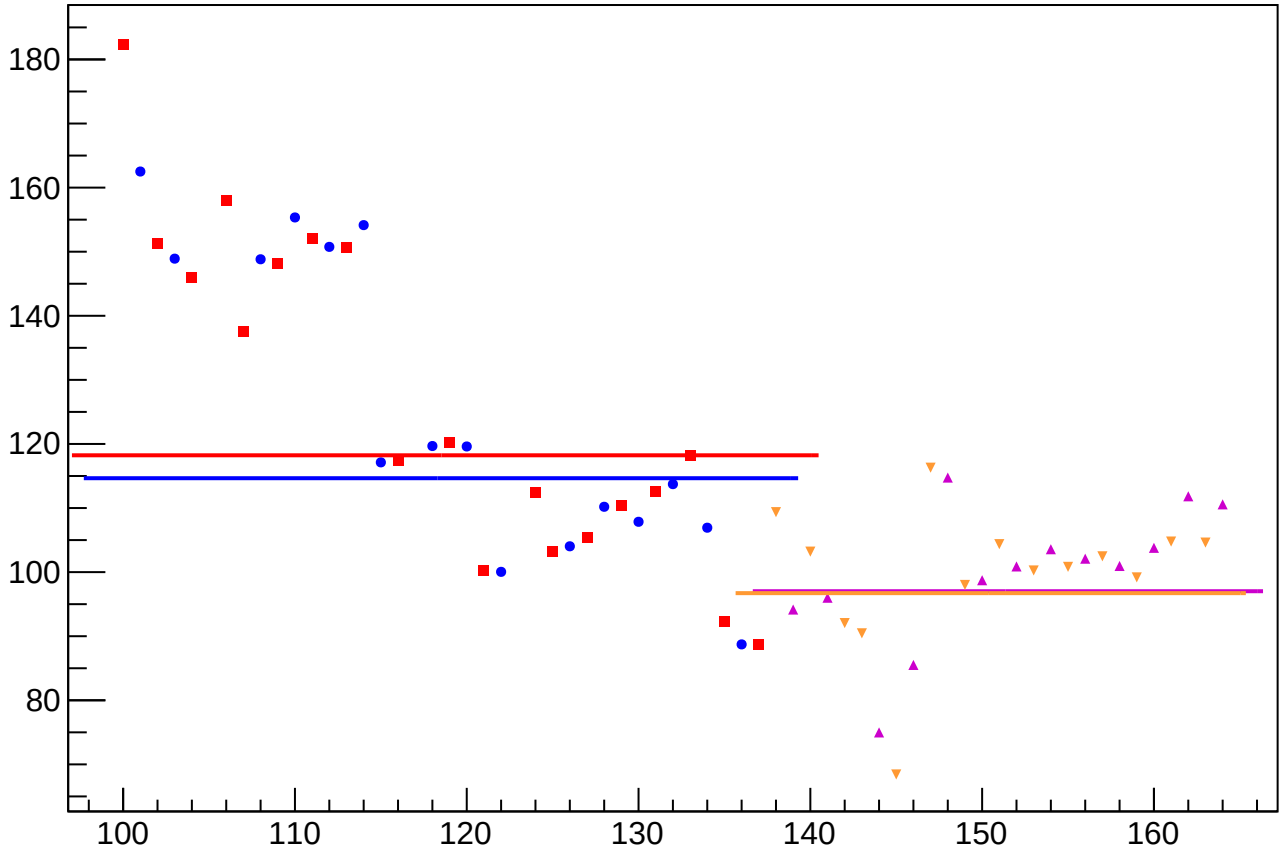
Left In: 2.278+/-29.738 χ^2/NDF:10.5/12

+ sign 51.058+/-24.253 χ^2/NDF: 32.7/29

All: 26.689+/-17.286 χ^2/NDF: 61.9/61

- 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: 96.720+/-0.021 χ^2/NDF:398019.7/13

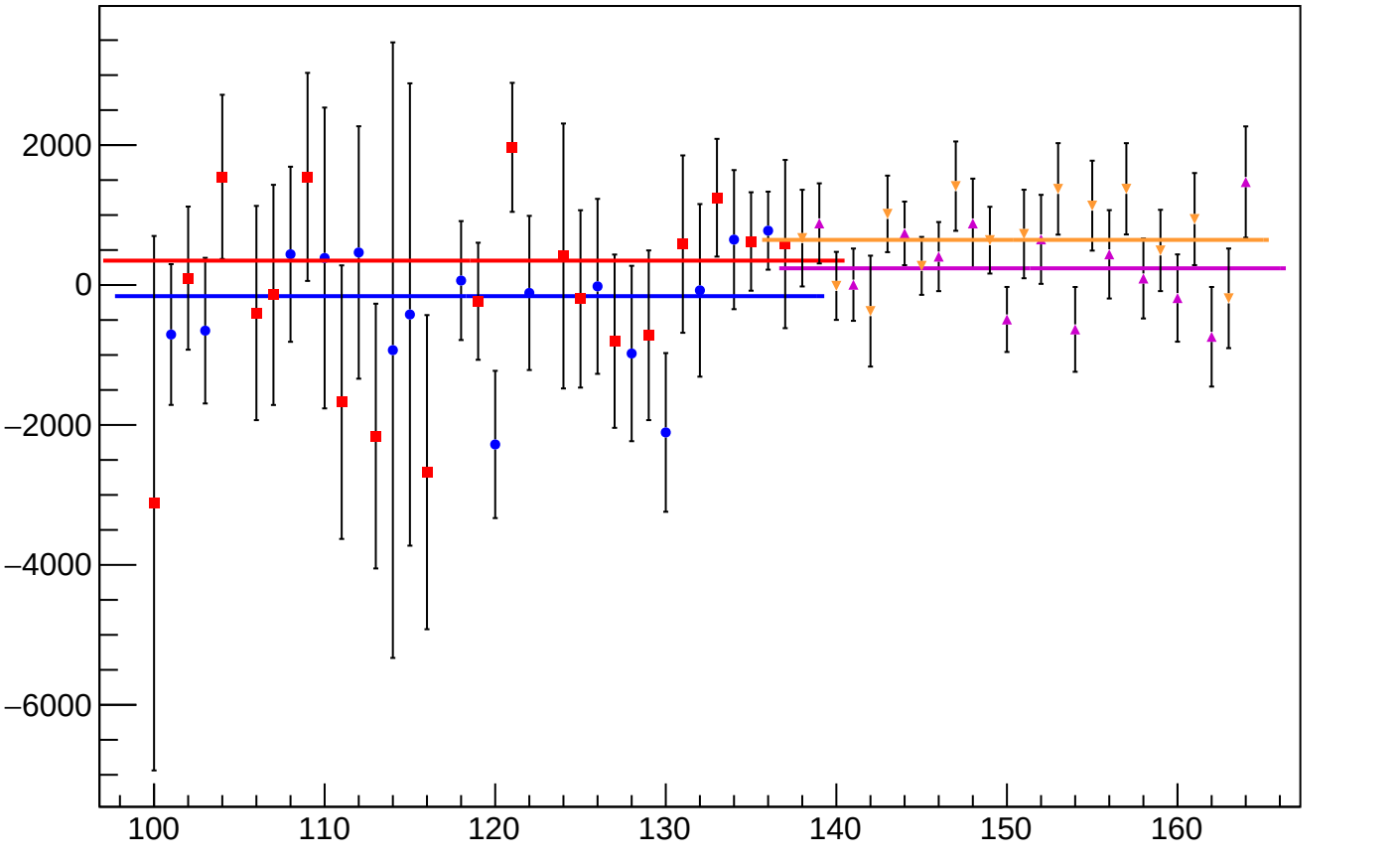
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.8/12

+ sign 102.292+/-0.017 χ^2/NDF: 1164223.6/29

All: 102.967+/-0.012 χ^2/NDF: 2259847.3/61

- 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: 645.022+/-156.558 χ^2/NDF:10.9/13

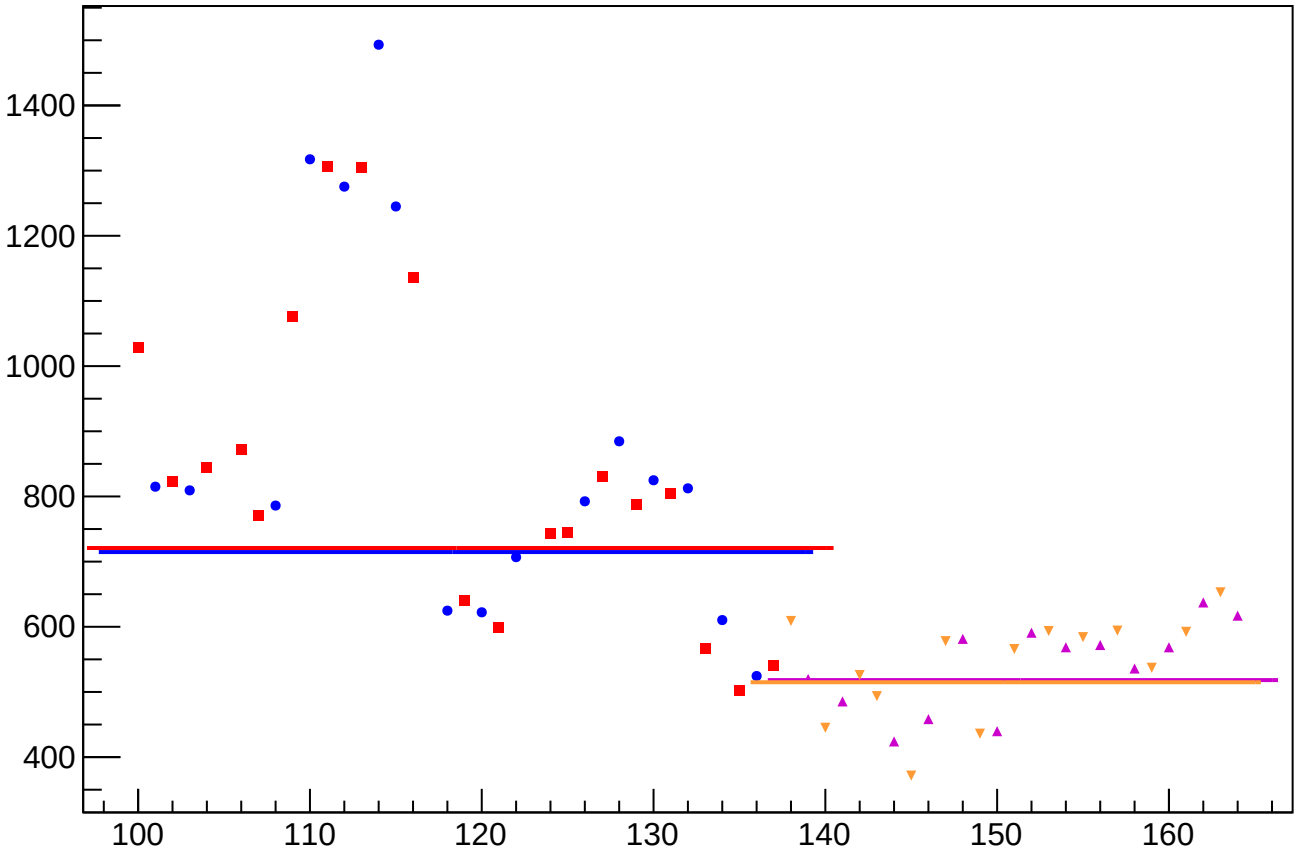
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 238.793+/-158.691 χ^2/NDF:13.7/12

\+ sign 447.714+/-136.001 χ^2/NDF: 29.4/29

All: 357.908+/-96.613 χ^2/NDF: 58.4/61

\- 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: 514.897+/-0.111 χ^2/NDF:595901.6/13

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

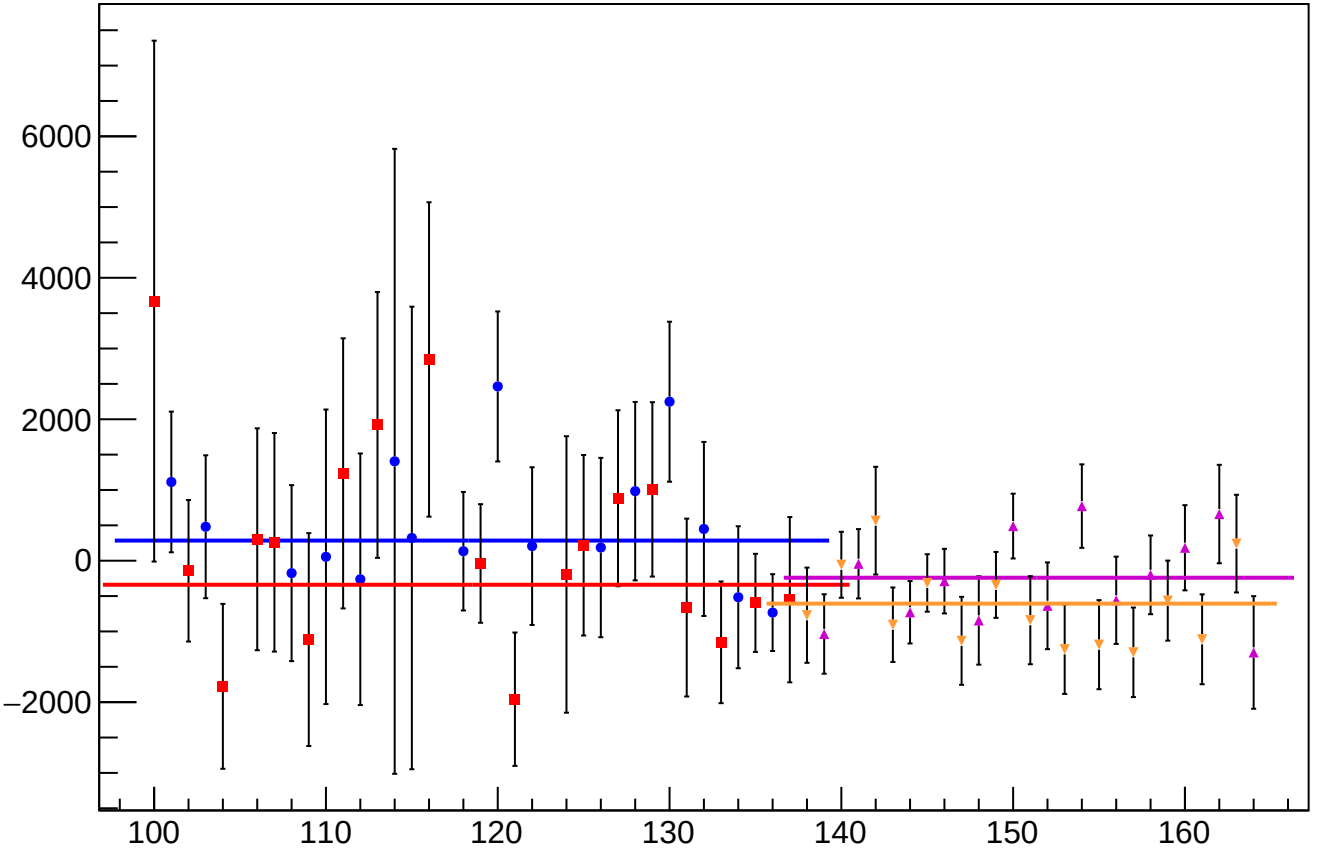
Left In: 518.209+/-0.112 χ^2/NDF:356153.9/12

\+ sign 563.914+/-0.096 χ^2/NDF: 2271133.7/29

All: 566.547+/-0.068 χ^2/NDF: 4468468.3/61

\- 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: -606.557+/-152.198 χ^2/NDF:11.1/13

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

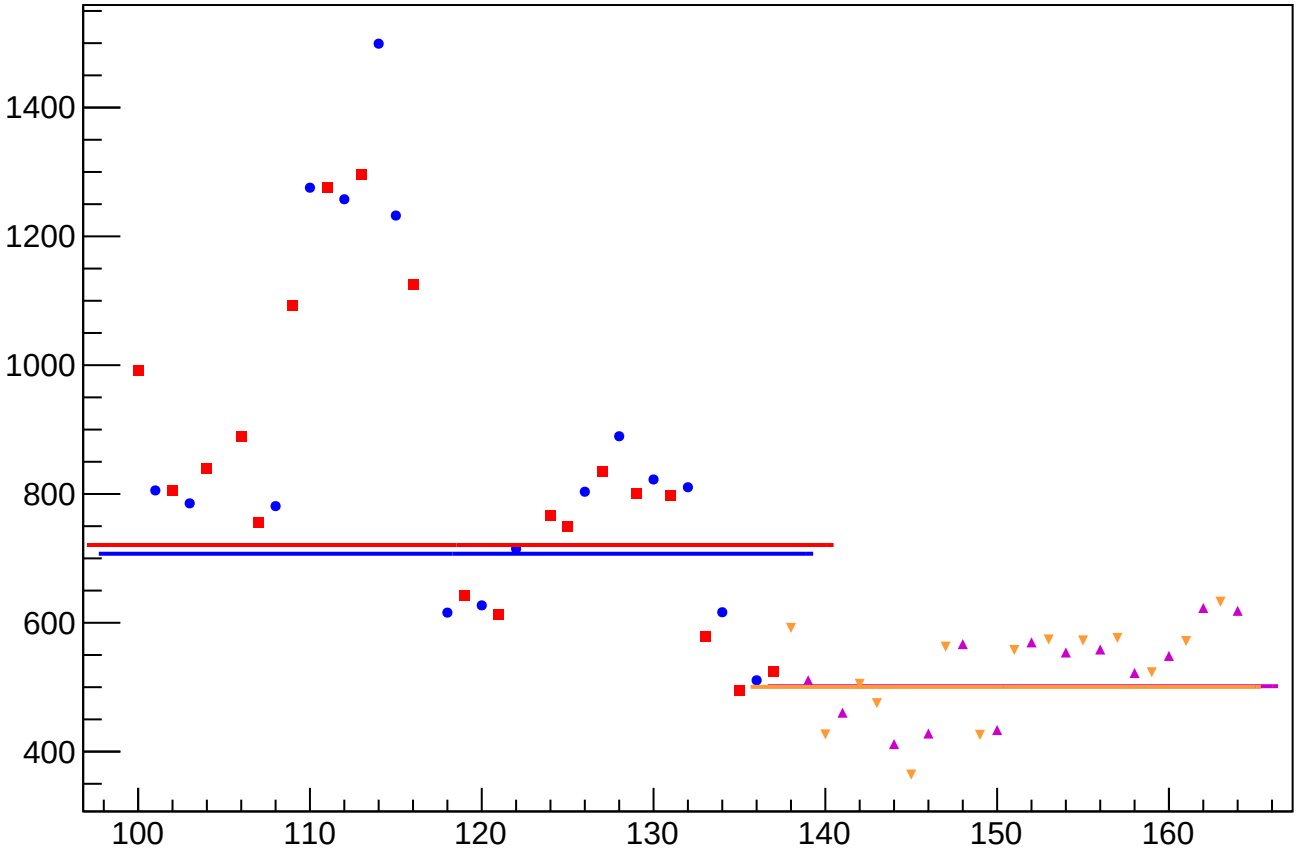
Left In: -240.768+/-153.608 χ^2/NDF:14.4/12

+ sign -393.959+/-132.812 χ^2/NDF: 32.0/29

All: -329.805+/-94.309 χ^2/NDF: 61.1/61

- 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: 500.481+/-0.108 χ^2/NDF:588391.4/13

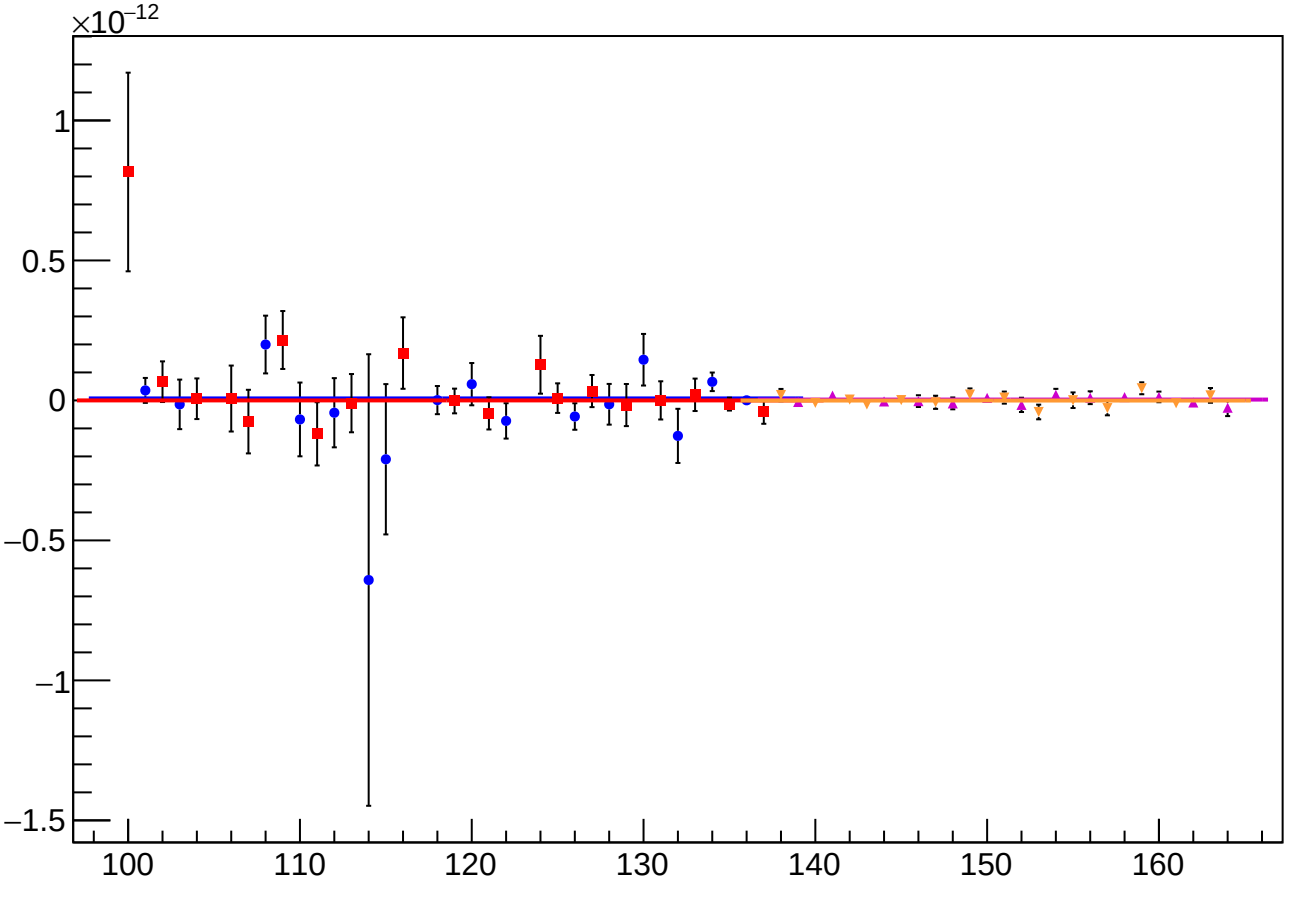
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.538+/-0.109 χ^2/NDF:391925.2/12

+ sign 549.789+/-0.094 χ^2/NDF: 2365177.2/29

All: 551.917+/-0.067 χ^2/NDF: 4749839.0/61

- 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:11.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

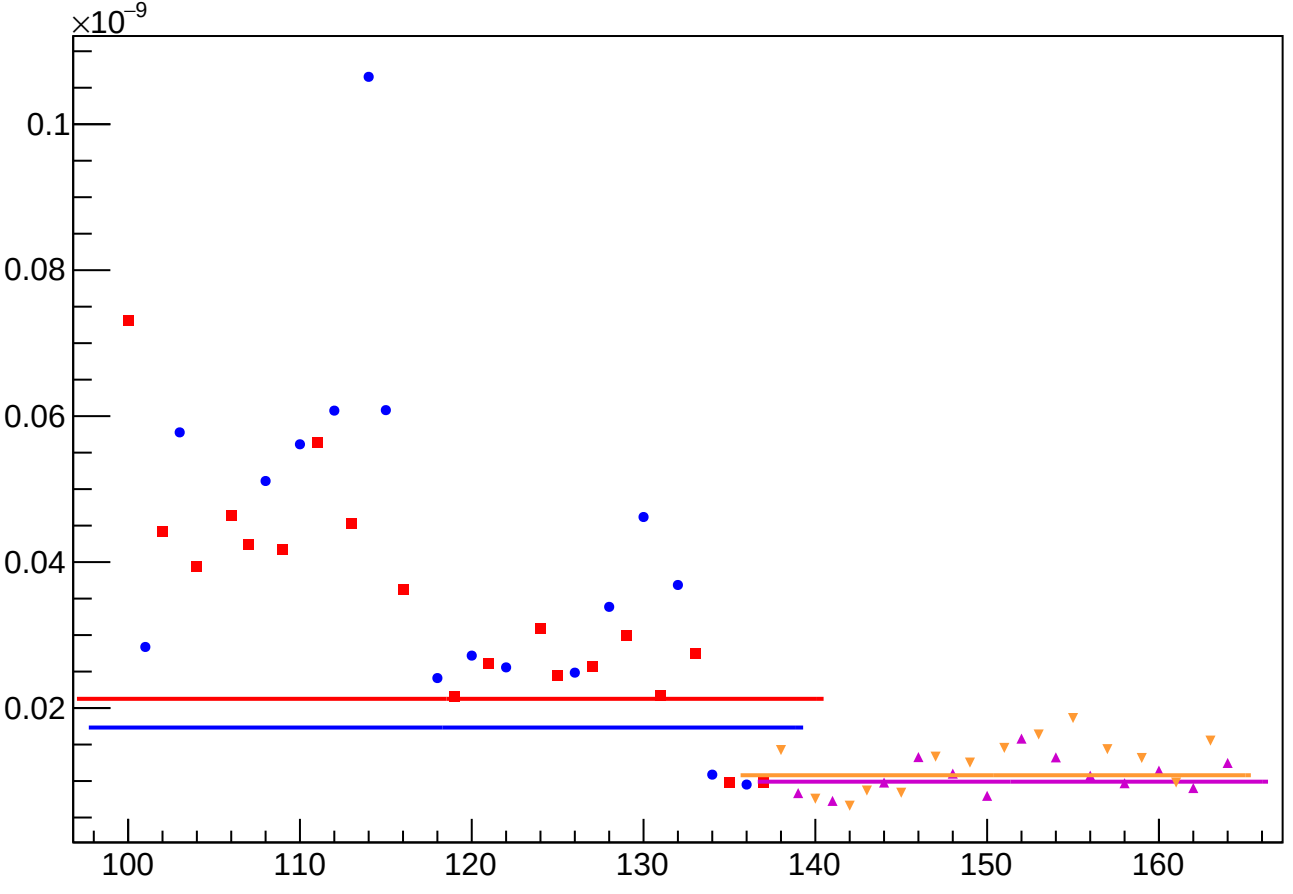
Left In: 0.000+/-0.000 χ^2/NDF:5.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/29

All: 0.000+/-0.000 χ^2/NDF: 52.8/61

- sign 0.000+/-0.000 χ^2/NDF: 23.2/31

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:871809.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

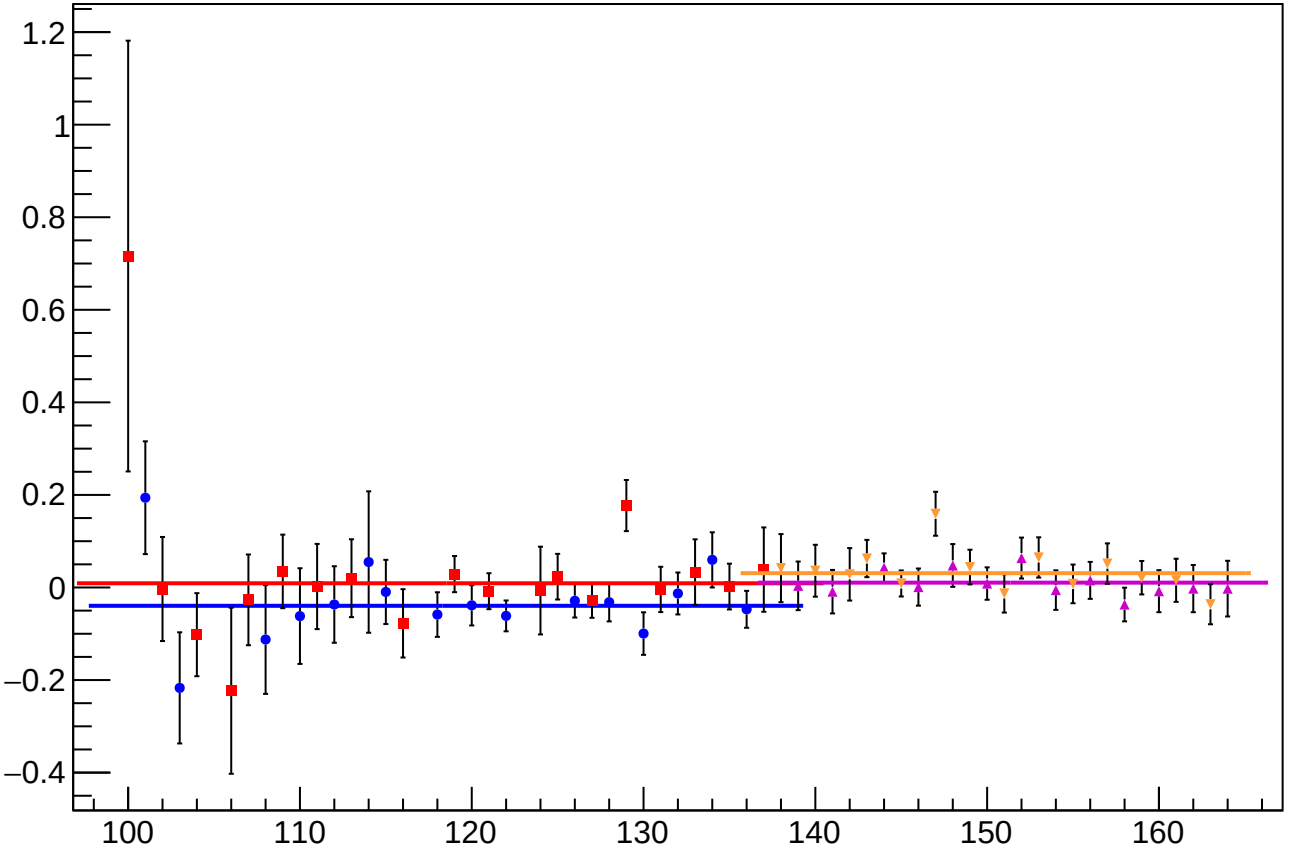
Left In: 0.000+/-0.000 χ^2/NDF:381829.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 3782875.1/29

All: 0.000+/-0.000 χ^2/NDF: 7115131.1/61

- 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:13.6/13

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

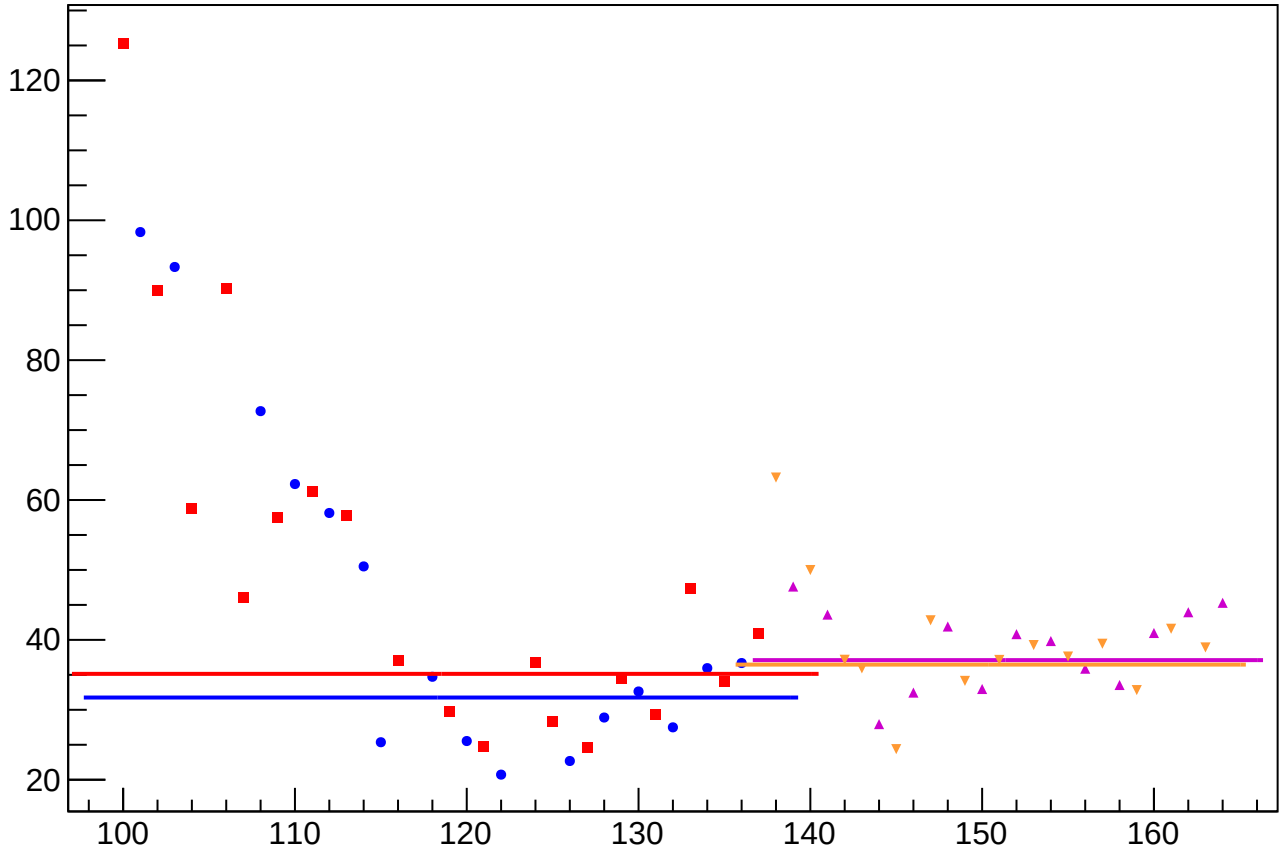
Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/61

- 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: 36.464+/-0.008 χ^2/NDF:864000.8/13

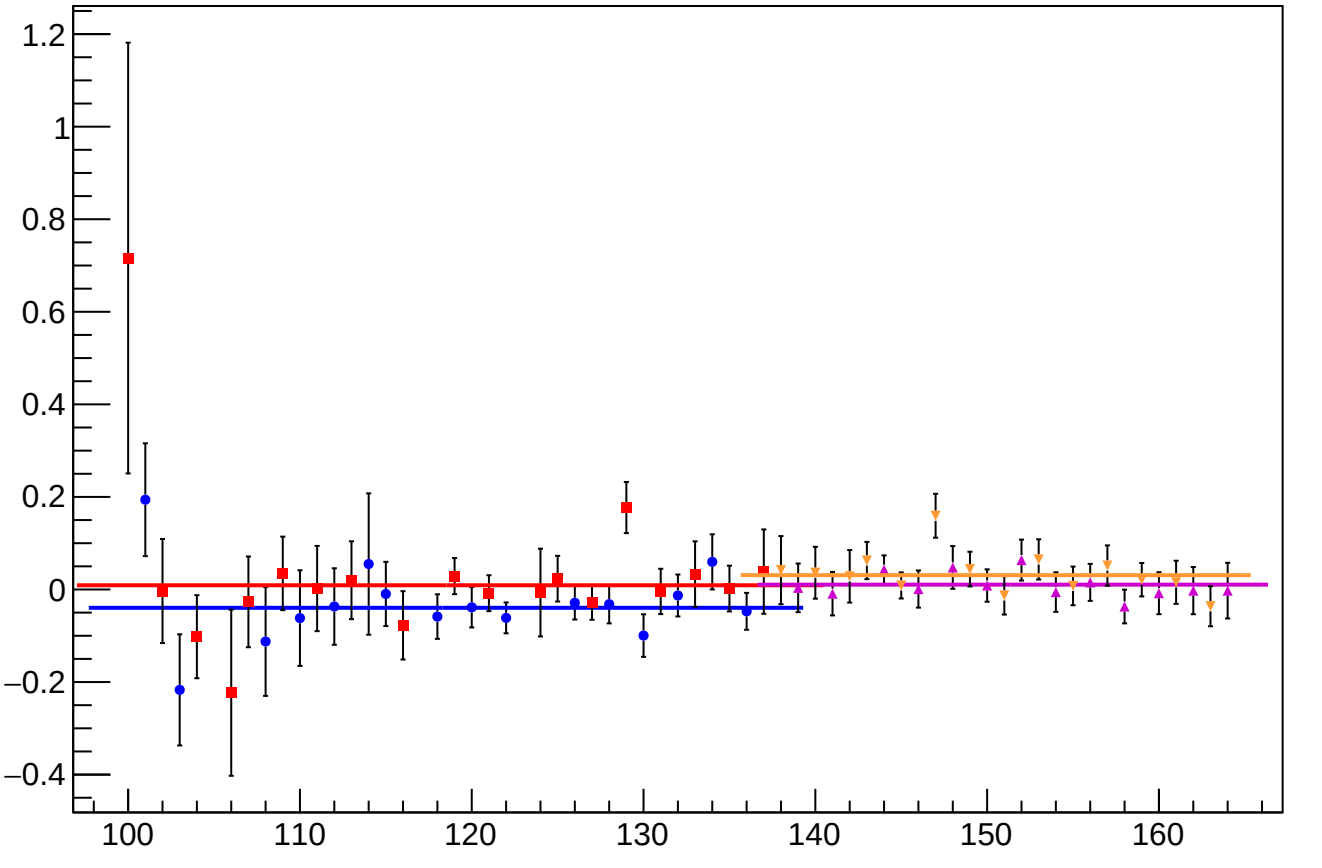
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

+ sign 34.464+/-0.006 χ^2/NDF: 3263666.7/29

All: 35.342+/-0.004 χ^2/NDF: 5674627.4/61

- 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:13.6/13

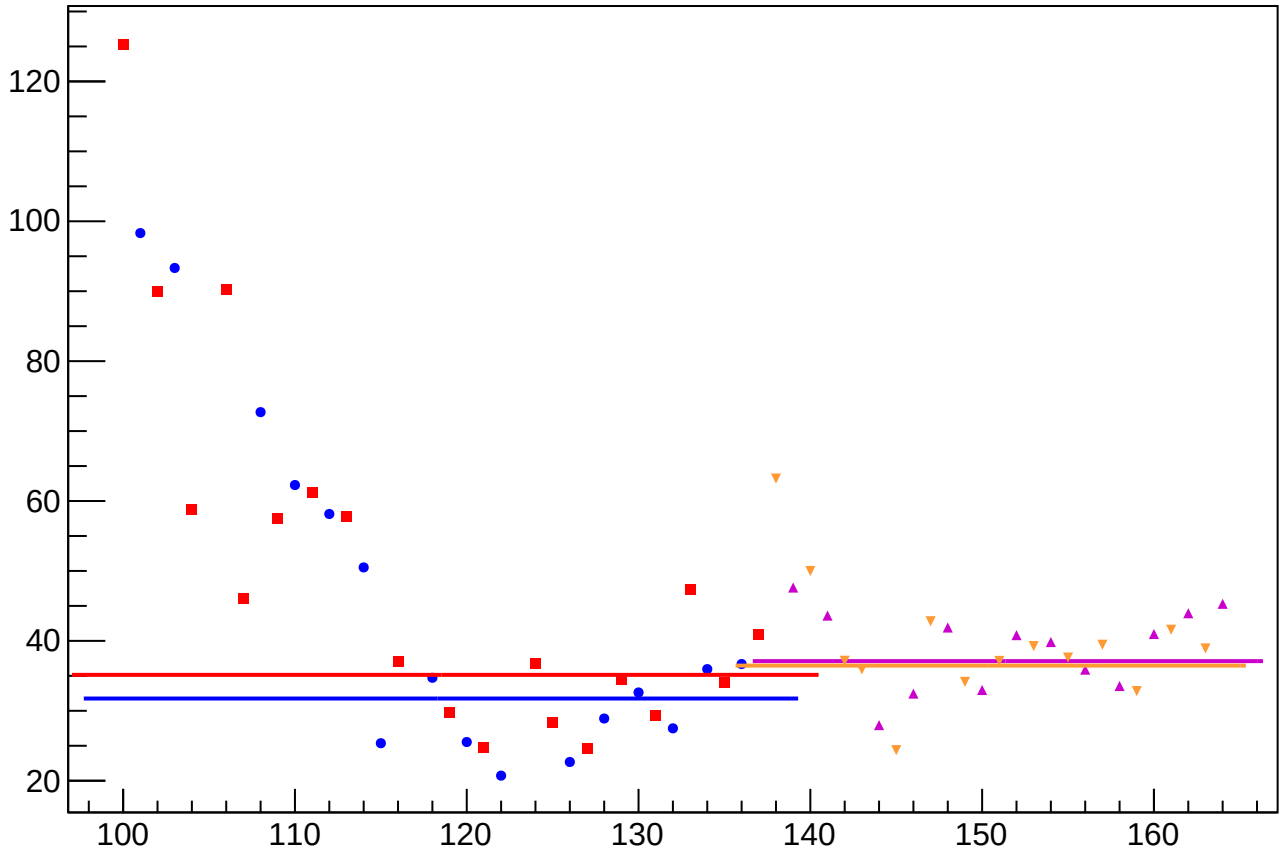
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/61

- 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: 36.464+/-0.008 χ^2/NDF:864000.8/13

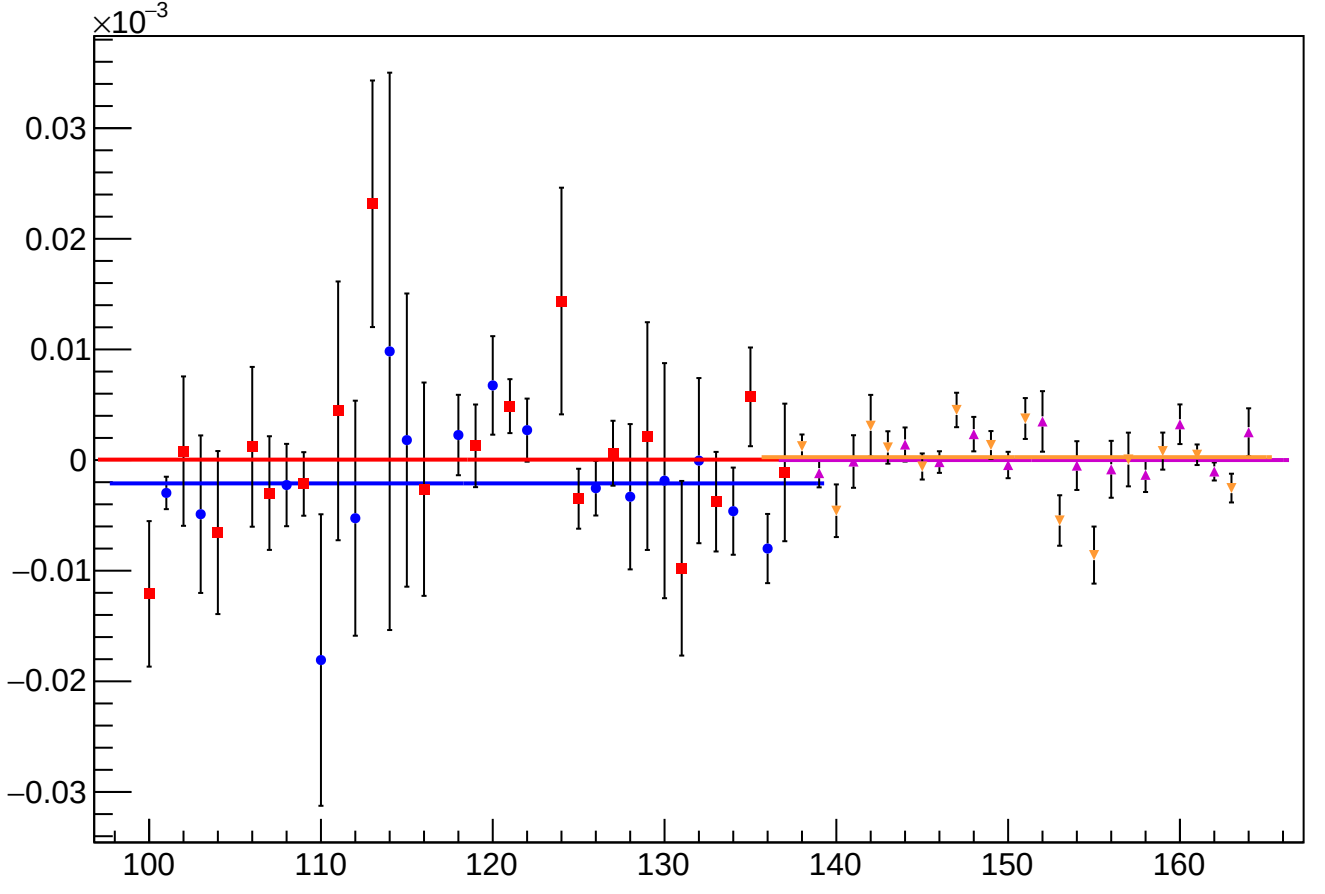
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

+ sign 34.464+/-0.006 χ^2/NDF: 3263666.7/29

All: 35.342+/-0.004 χ^2/NDF: 5674627.4/61

- 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:41.6/13

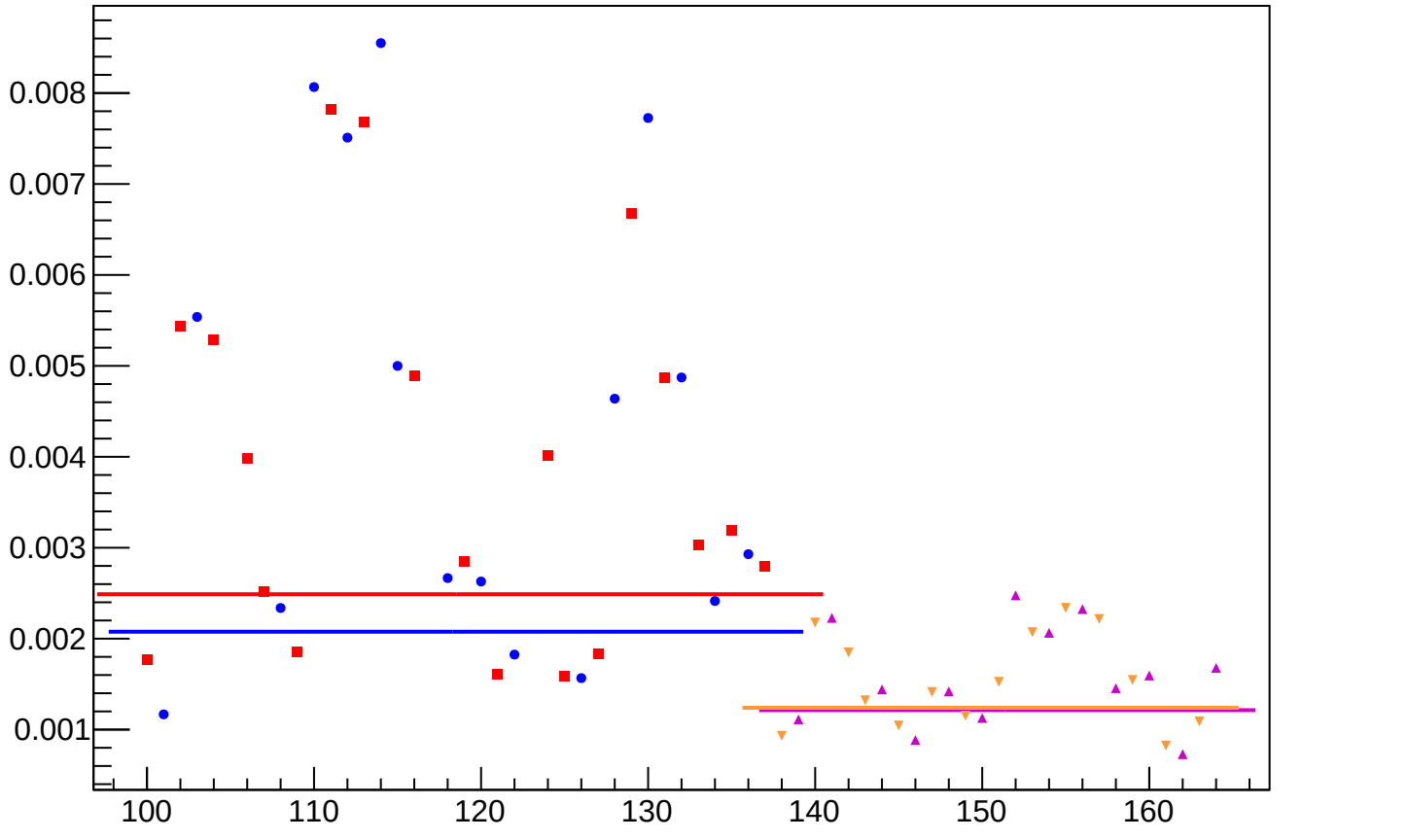
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 62.0/29

All: -0.000+/-0.000 χ^2/NDF: 96.3/61

- 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:2162692.0/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

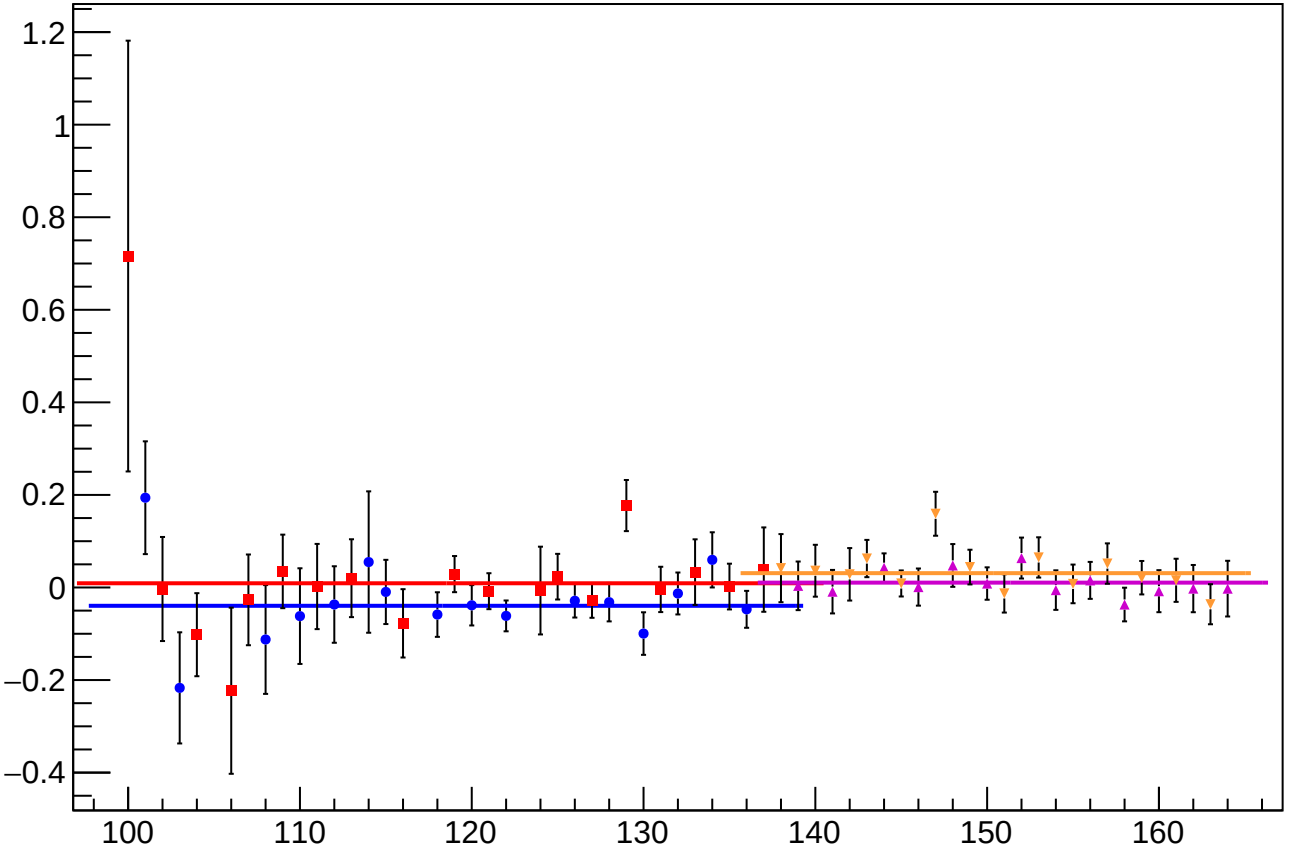
Left In: 0.001+/-0.000 χ^2/NDF:2725418.2/12

+ sign 0.001+/-0.000 χ^2/NDF: 7499801.6/29

All: 0.001+/-0.000 χ^2/NDF: 15929773.1/61

- 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:13.6/13

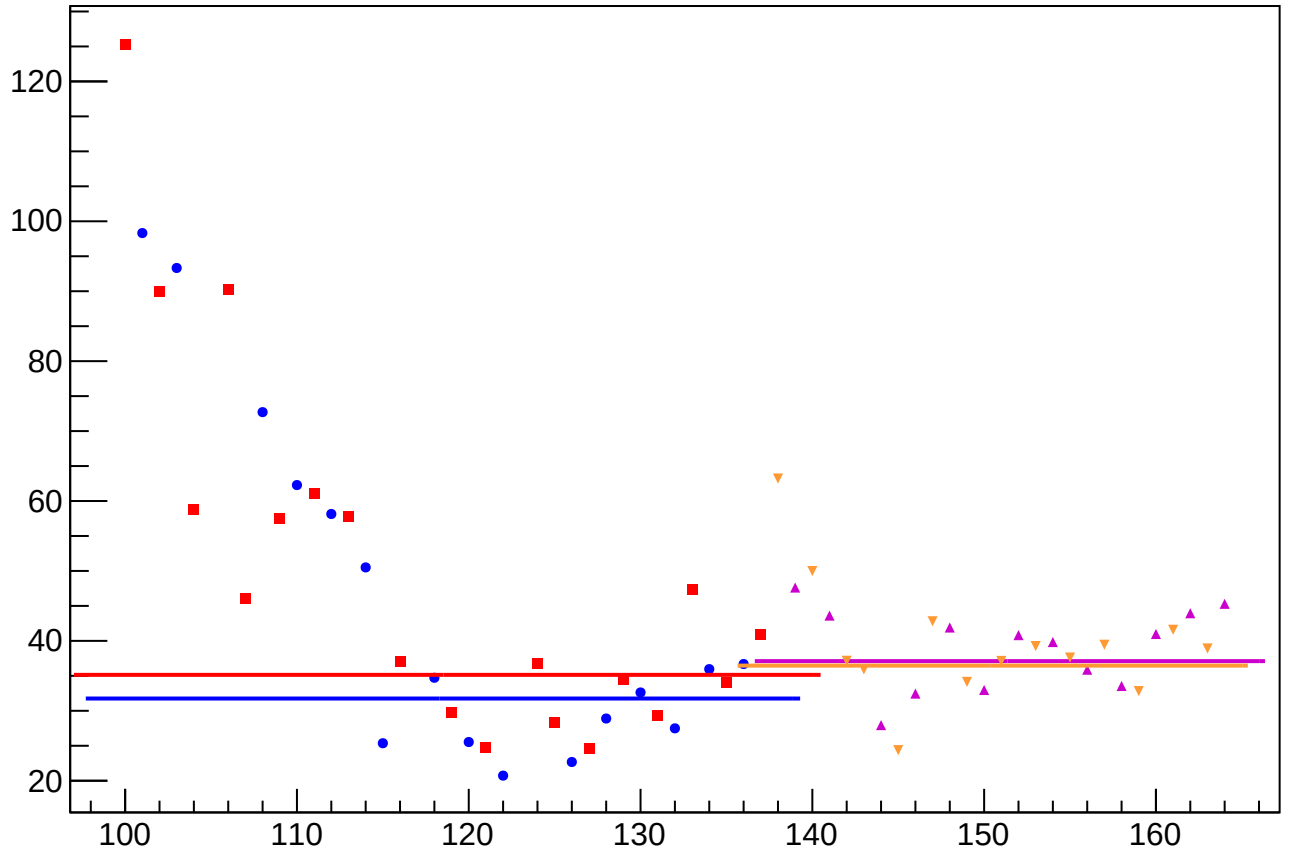
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/61

- 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: 36.464+/-0.008 χ^2/NDF:864027.1/13

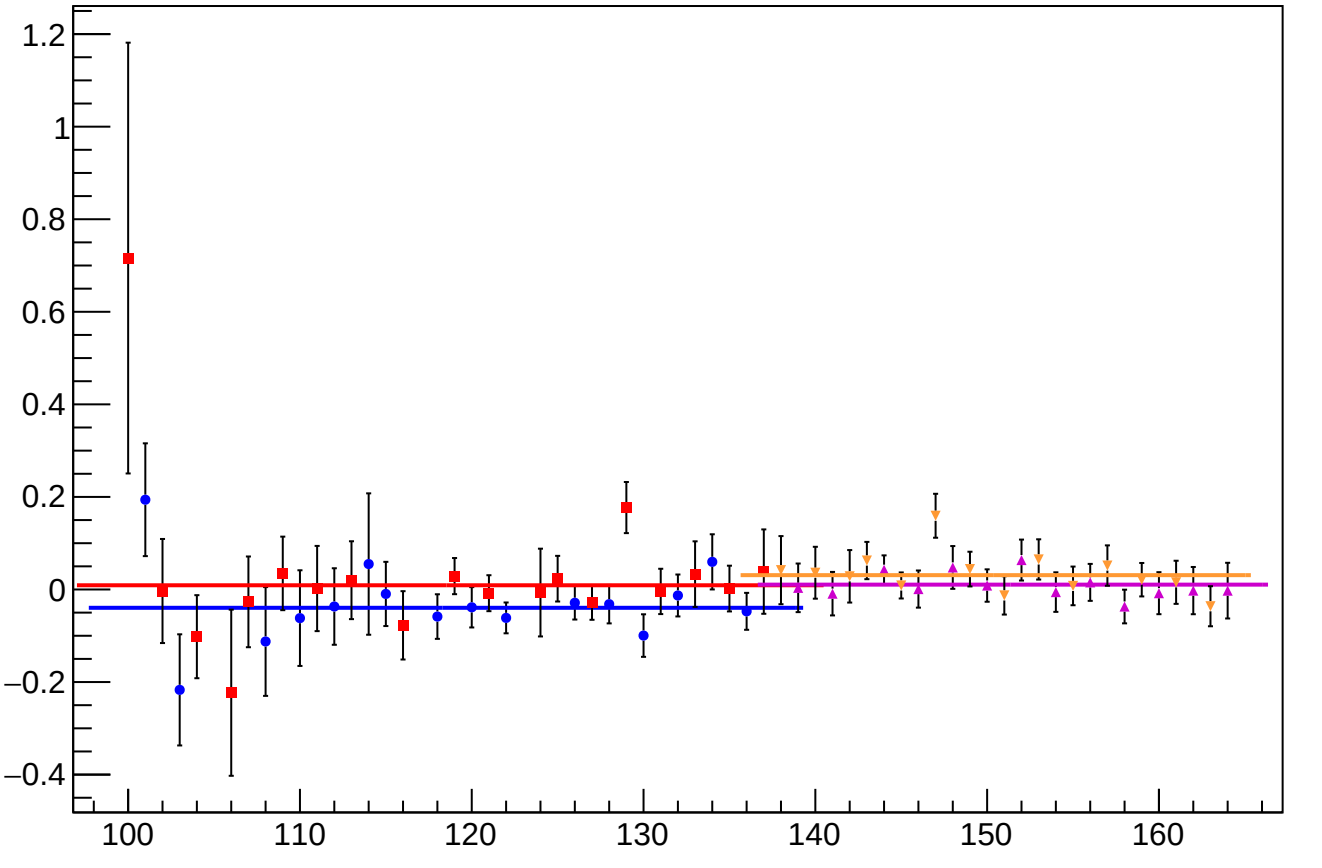
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

+ sign 34.465+/-0.006 χ^2/NDF: 3263647.3/29

All: 35.342+/-0.004 χ^2/NDF: 5674500.3/61

- sign 36.310+/-0.006 χ^2/NDF: 2366815.7/31



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

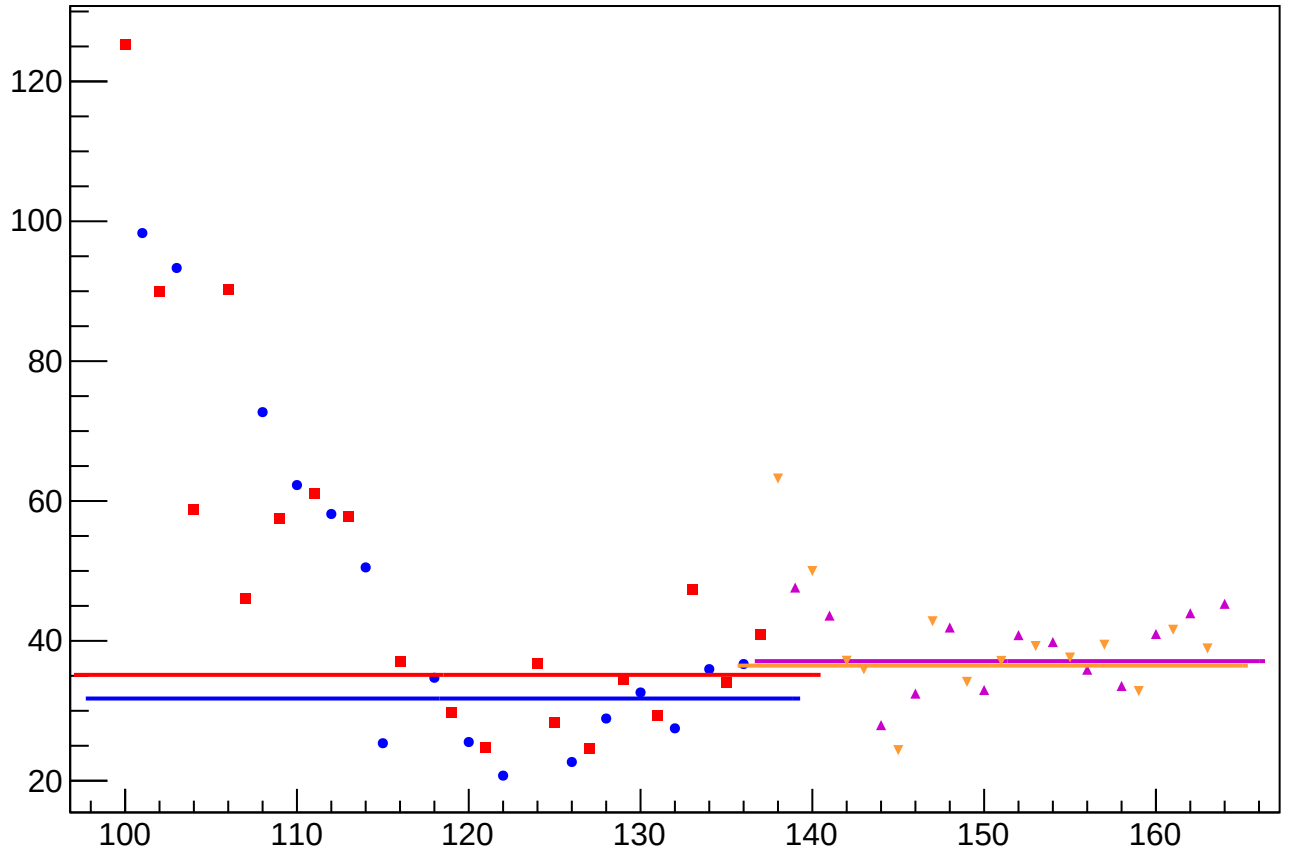
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/61

- 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: 36.464+/-0.008 χ^2/NDF:864027.1/13

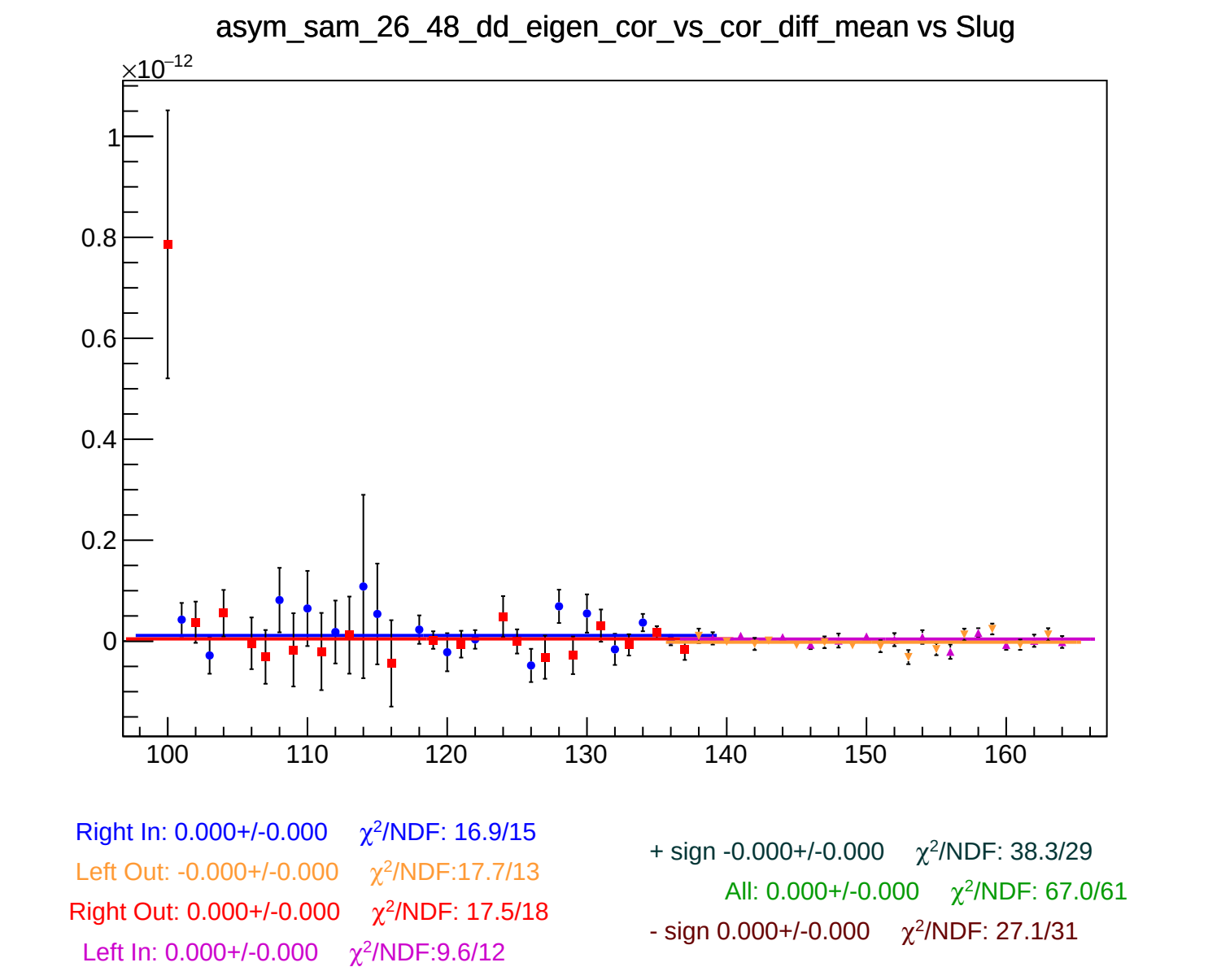
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

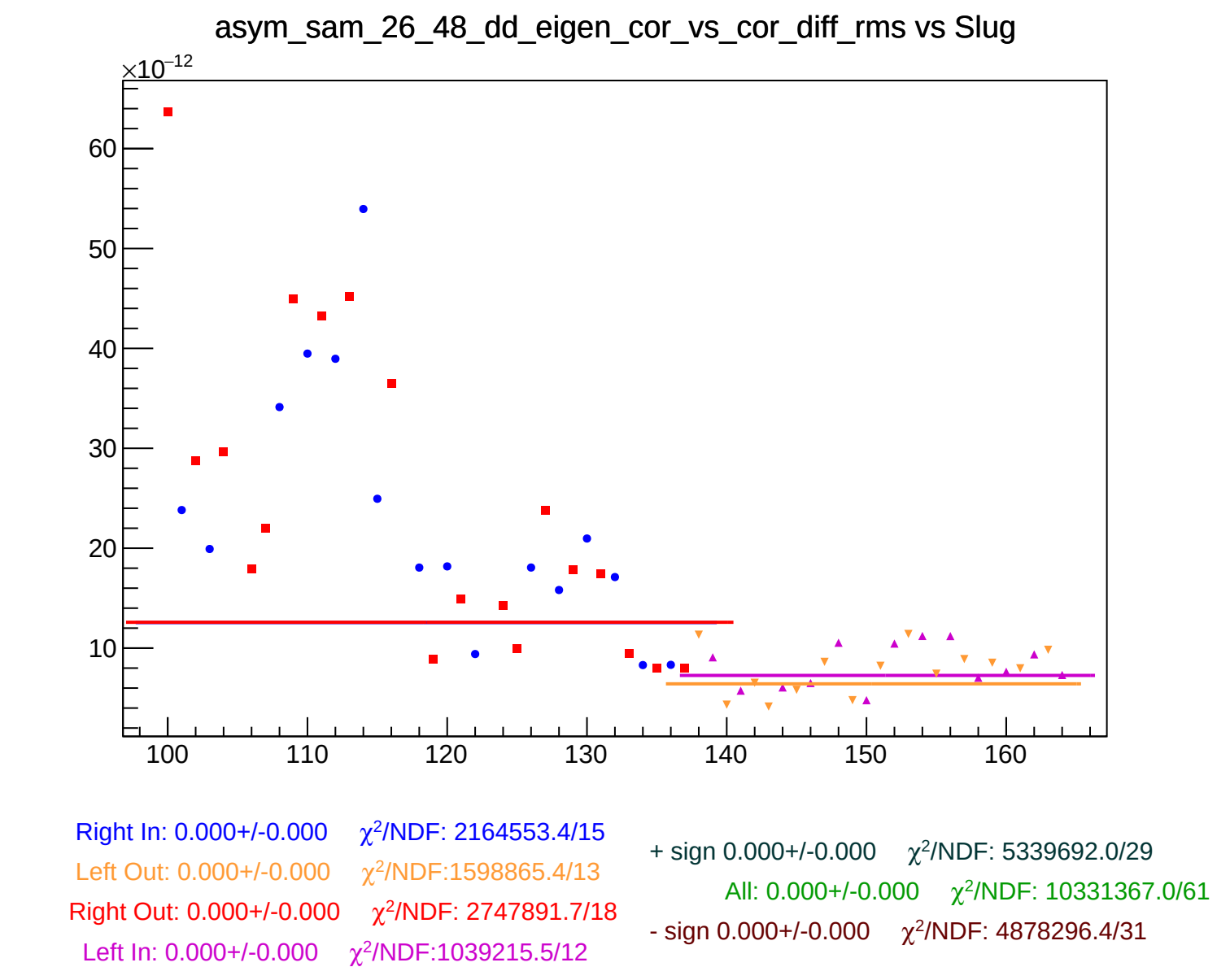
Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

+ sign 34.465+/-0.006 χ^2/NDF: 3263647.3/29

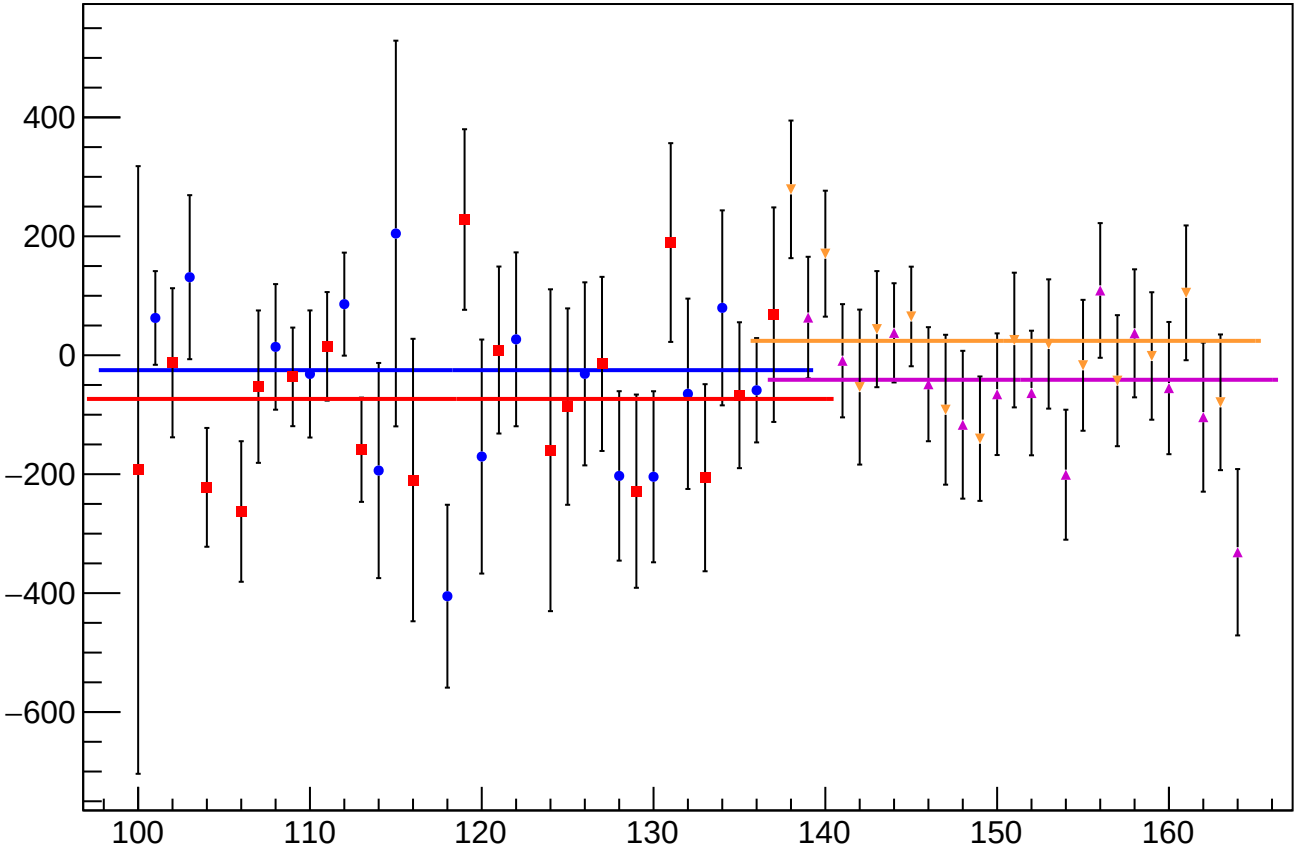
All: 35.342+/-0.004 χ^2/NDF: 5674500.3/61

- sign 36.310+/-0.006 χ^2/NDF: 2366815.7/31


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.6/12
+ sign -0.000+/-0.000 χ²/NDF: 38.3/29
All: 0.000+/-0.000 χ²/NDF: 67.0/61
- sign 0.000+/-0.000 χ²/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:1598865.4/13
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: 5339692.0/29
All: 0.000+/-0.000 χ²/NDF: 10331367.0/61
- 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: 24.205+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

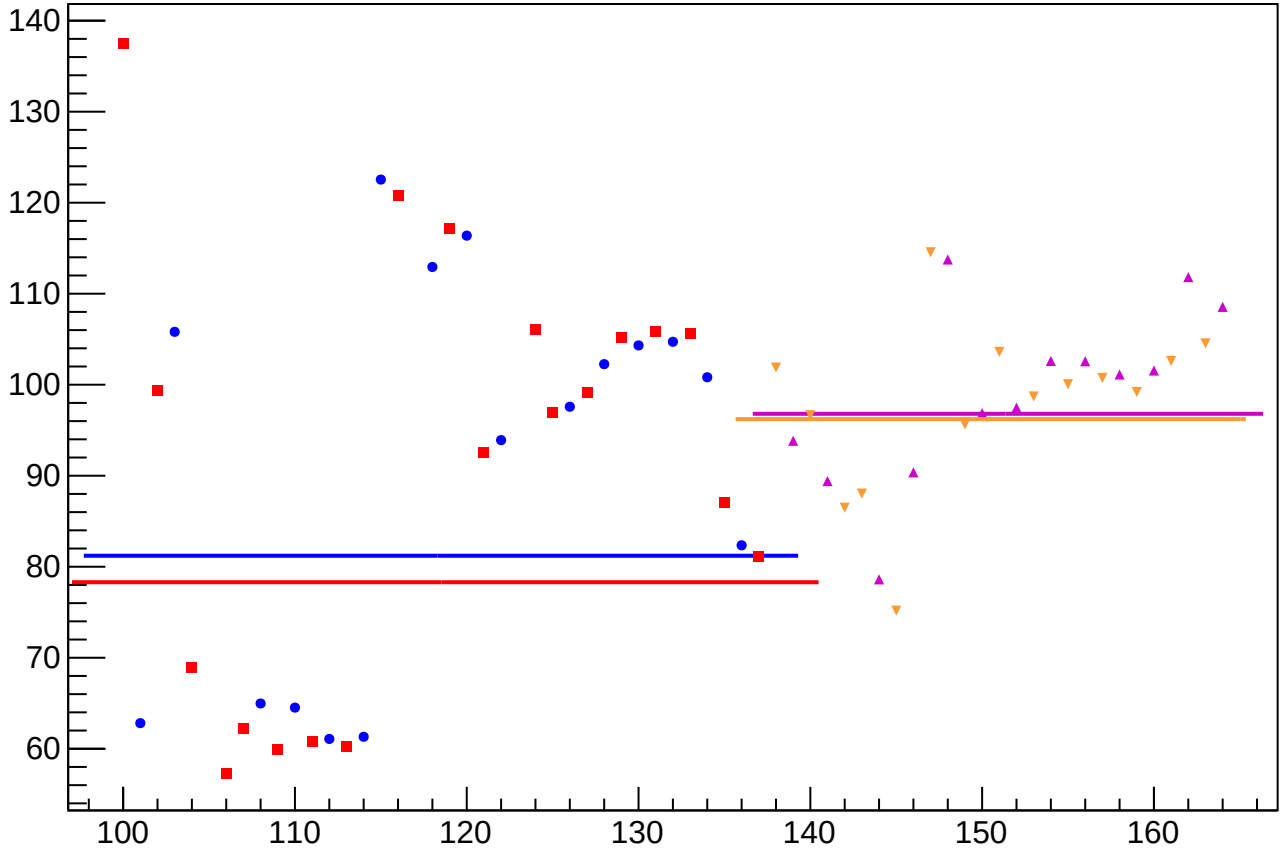
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -28.154+/-14.926 χ^2/NDF: 62.9/61

- 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: 96.220+/-0.020 χ^2/NDF:232690.1/13

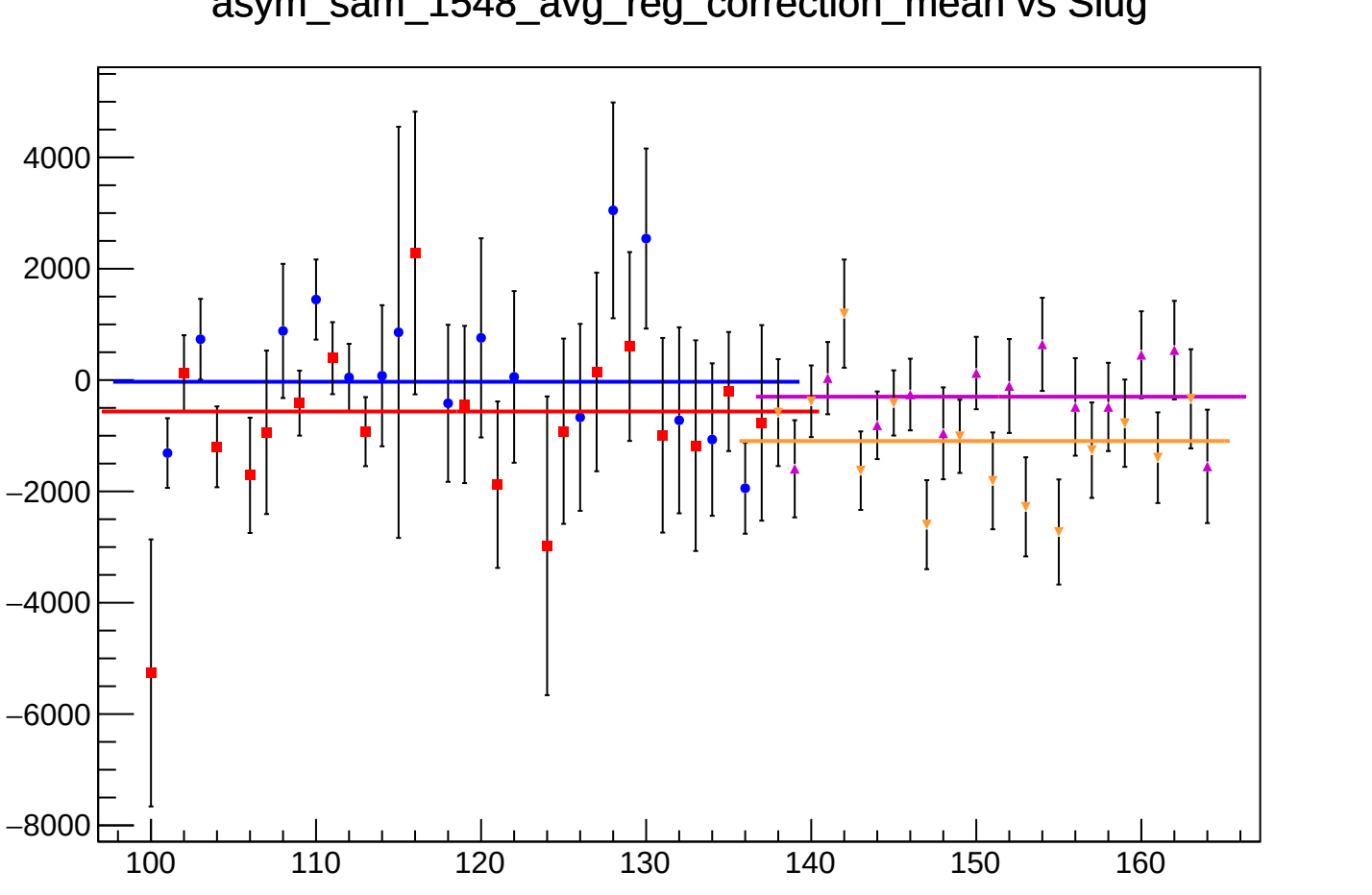
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

+ sign 89.285+/-0.015 χ^2/NDF: 1268948.5/29

All: 88.486+/-0.011 χ^2/NDF: 2813486.8/61

- 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: -1095.245+/-209.333 χ^2/NDF:19.0/13

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

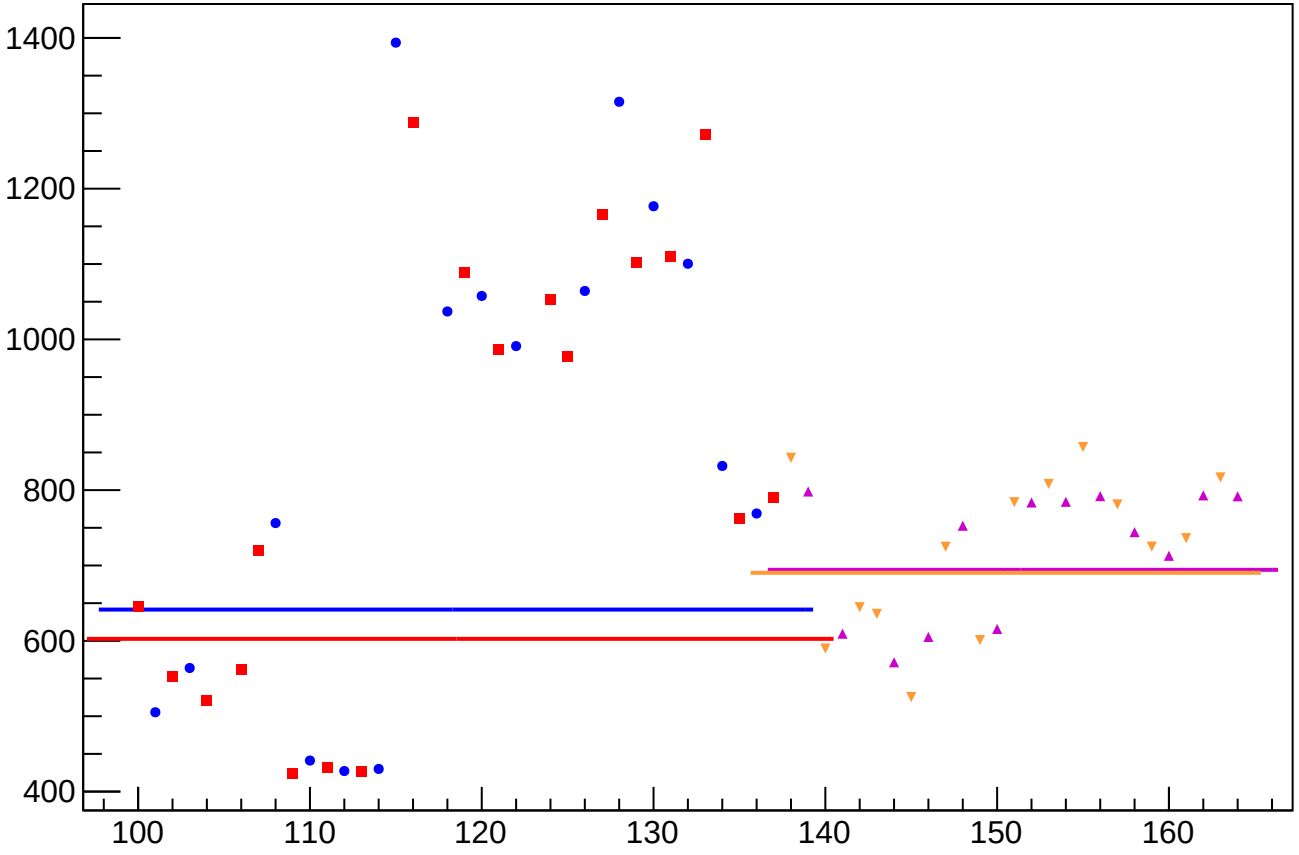
Left In: -298.426+/-212.052 χ^2/NDF:9.0/12

+ sign -670.543+/-162.305 χ^2/NDF: 51.2/29

All: -540.266+/-113.387 χ^2/NDF: 75.5/61

- 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: 690.324+/-0.148 χ^2/NDF:508607.1/13

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

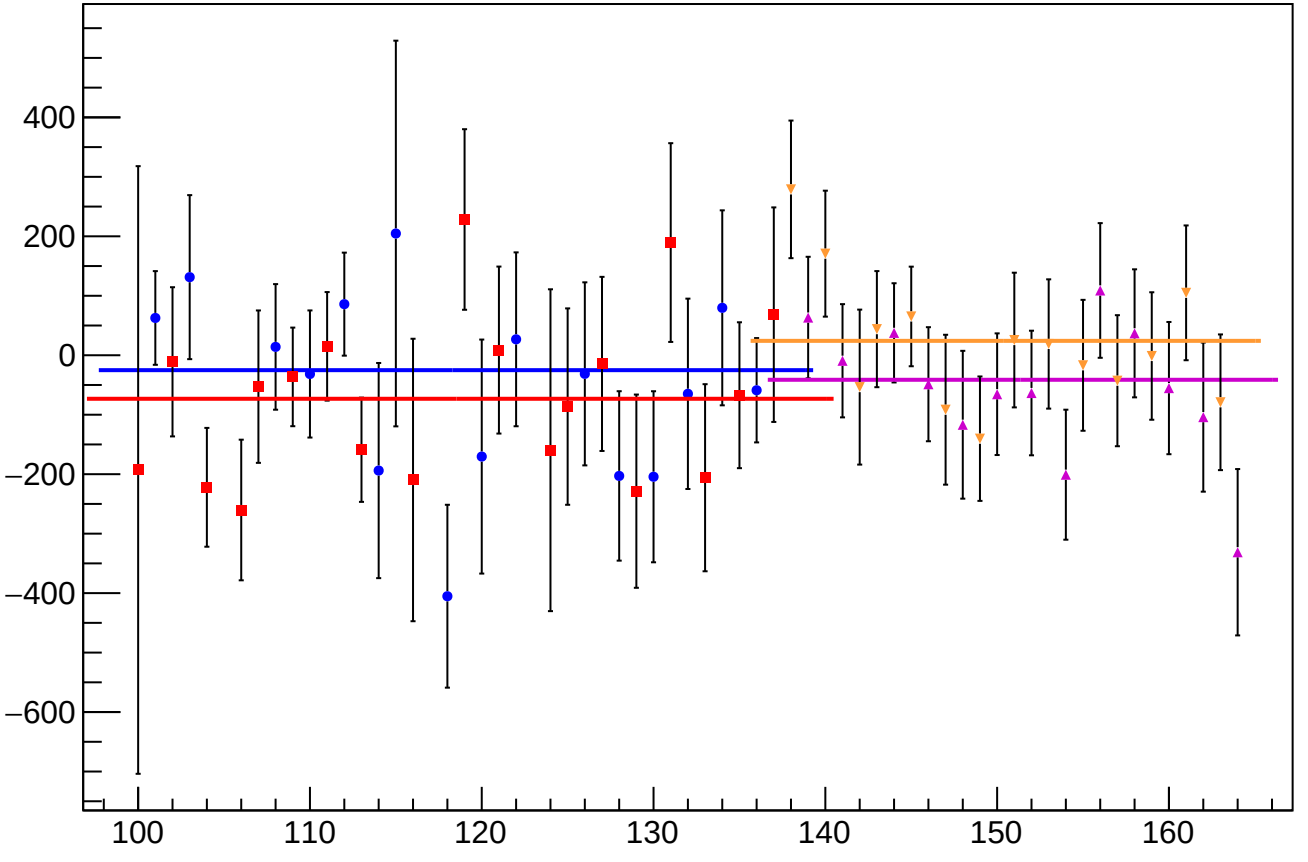
Left In: 694.266+/-0.150 χ^2/NDF:344333.1/12

+ sign 670.850+/-0.115 χ^2/NDF: 2426994.1/29

All: 662.131+/-0.080 χ^2/NDF: 5017729.3/61

- 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: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

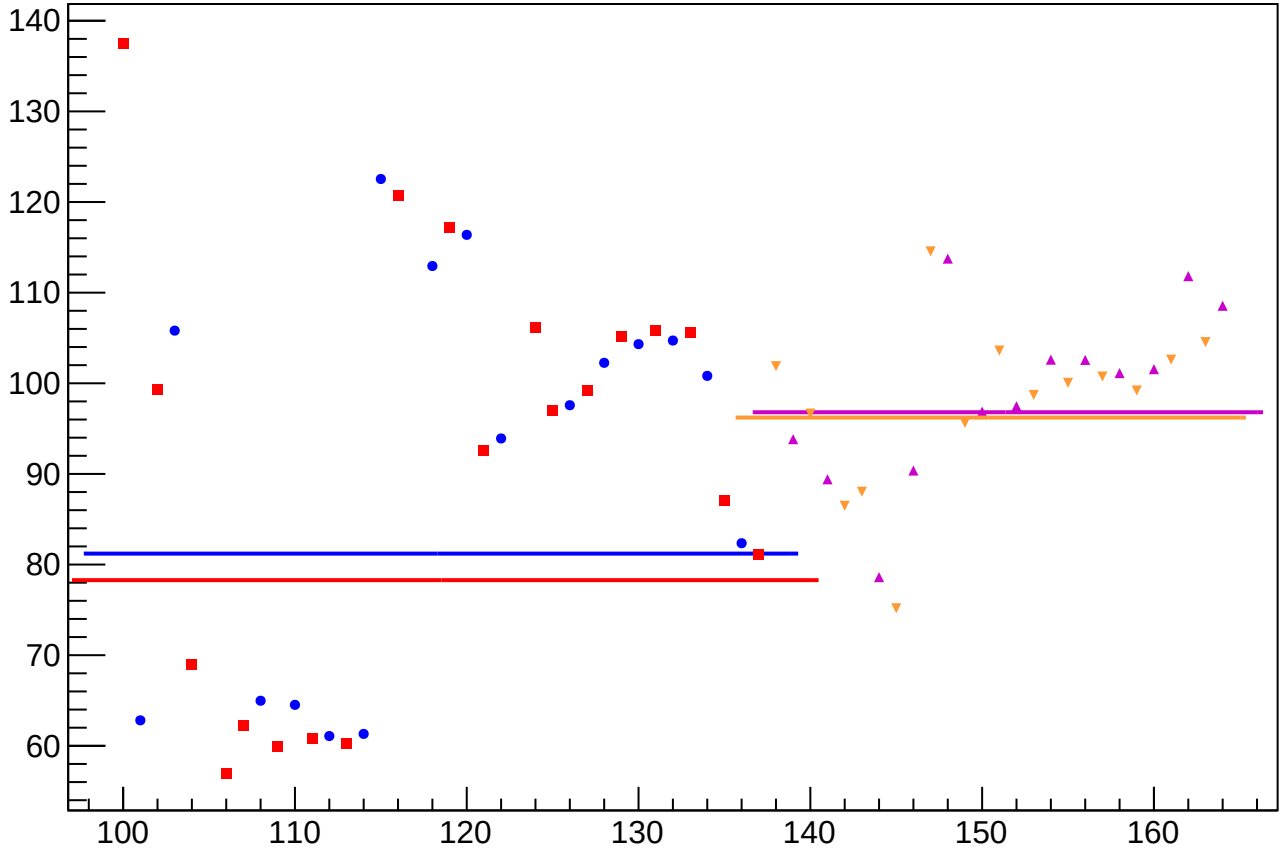
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -28.087+/-14.926 χ^2/NDF: 62.8/61

- 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: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

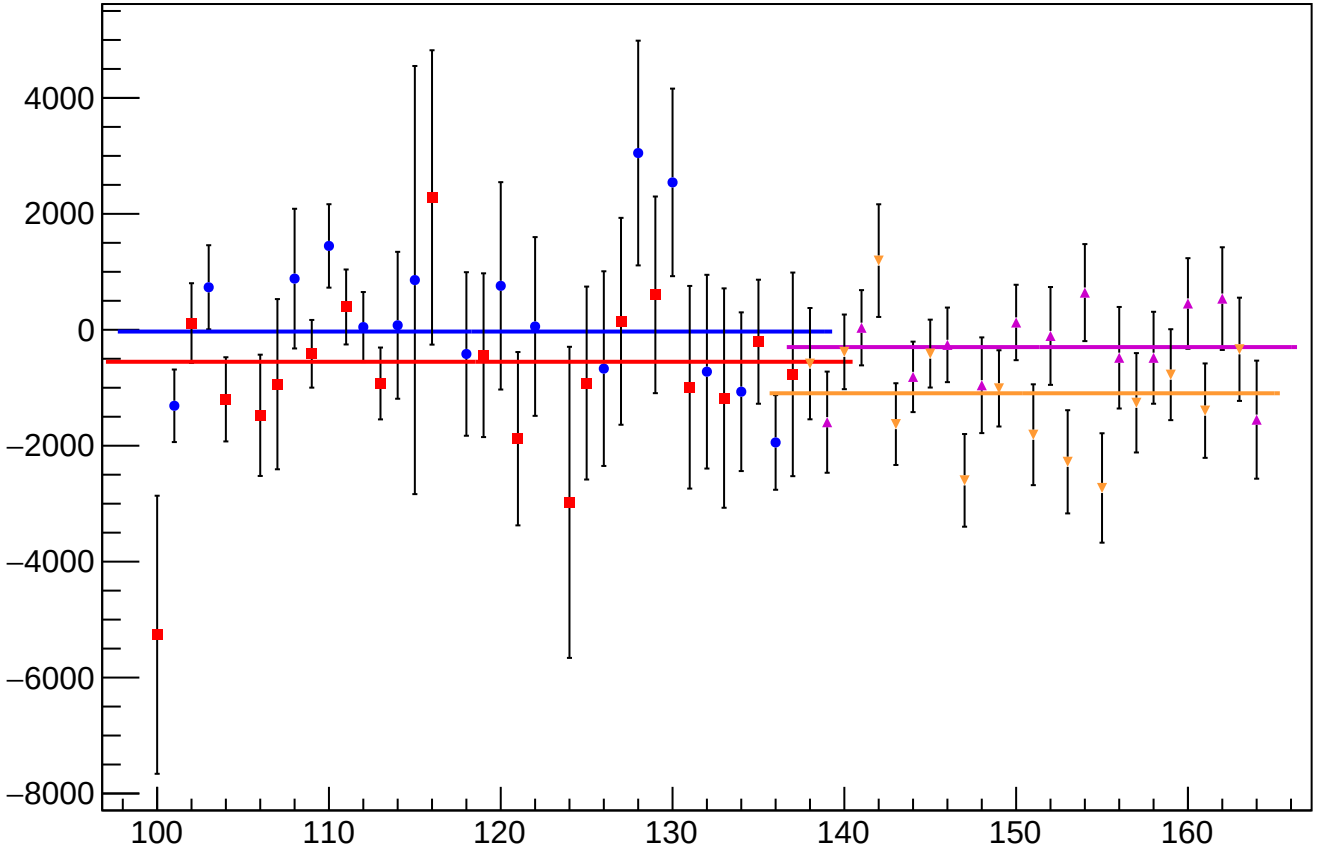
Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

+ sign 89.285+/-0.015 χ^2/NDF: 1268950.2/29

All: 88.482+/-0.011 χ^2/NDF: 2816447.0/61

- sign 87.696+/-0.015 χ^2/NDF: 1541830.8/31

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

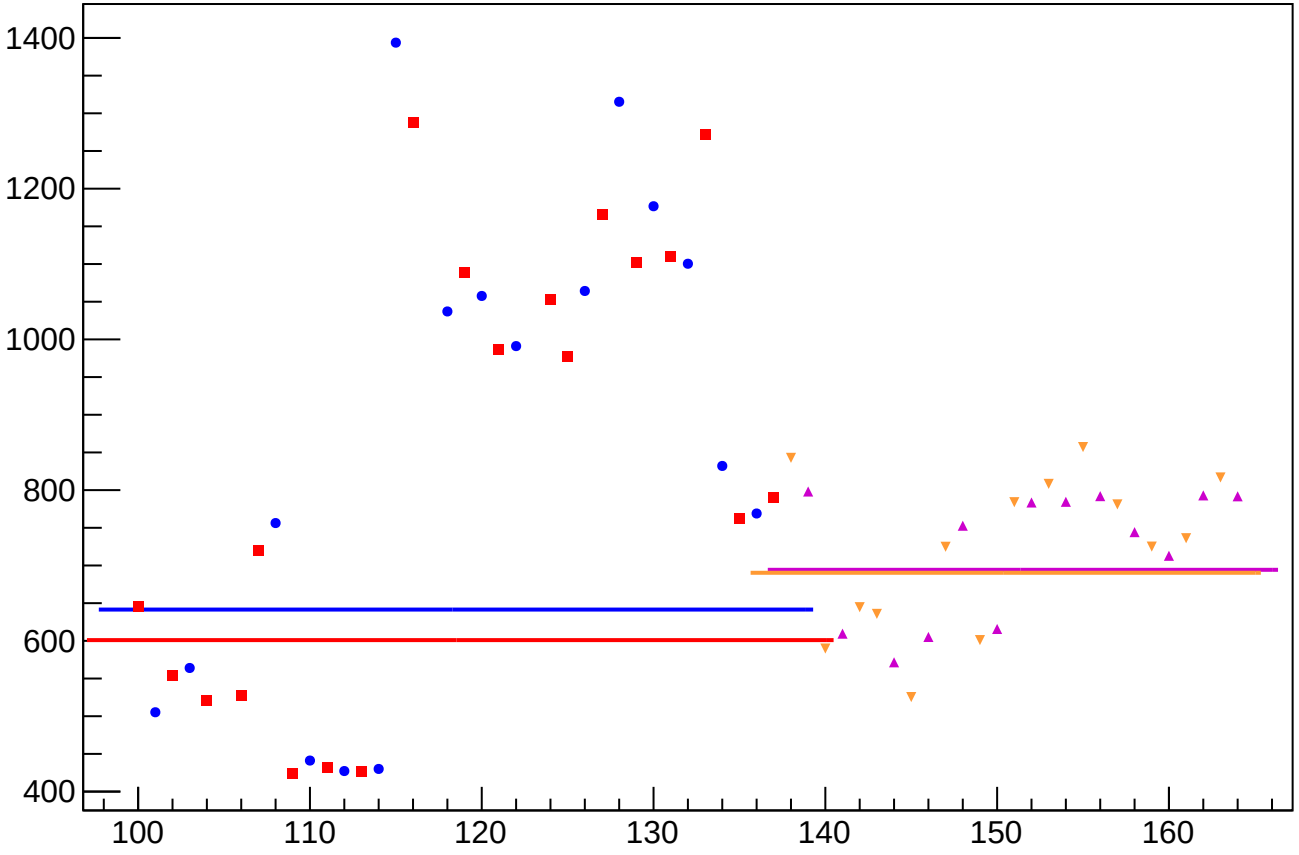
Left In: -298.430+/-212.052 χ^2/NDF:9.0/12

+ sign -670.557+/-162.306 χ^2/NDF: 51.2/29

All: -537.344+/-113.403 χ^2/NDF: 75.0/61

- 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: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

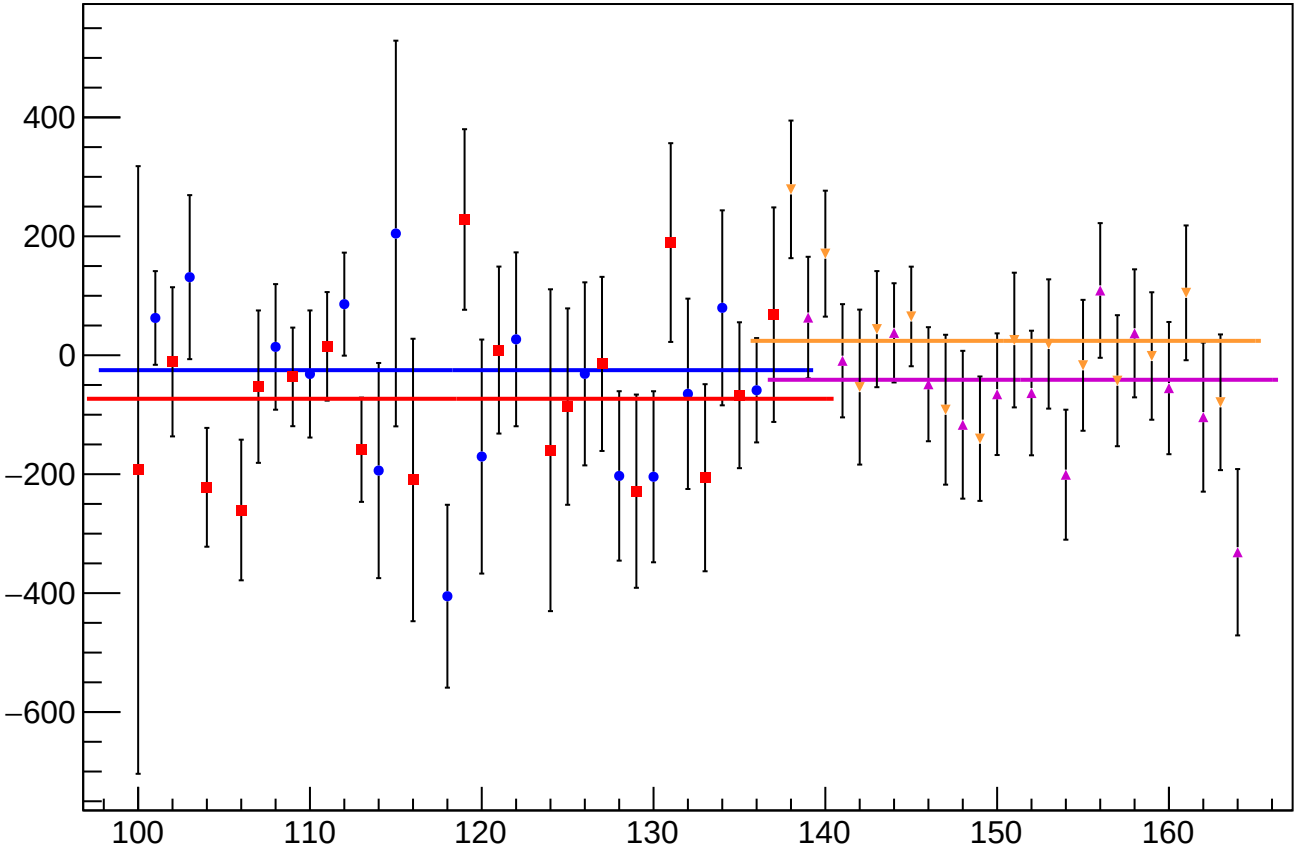
Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

+ sign 670.854+/-0.115 χ^2/NDF: 2426937.7/29

All: 661.770+/-0.080 χ^2/NDF: 5031537.1/61

- 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: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

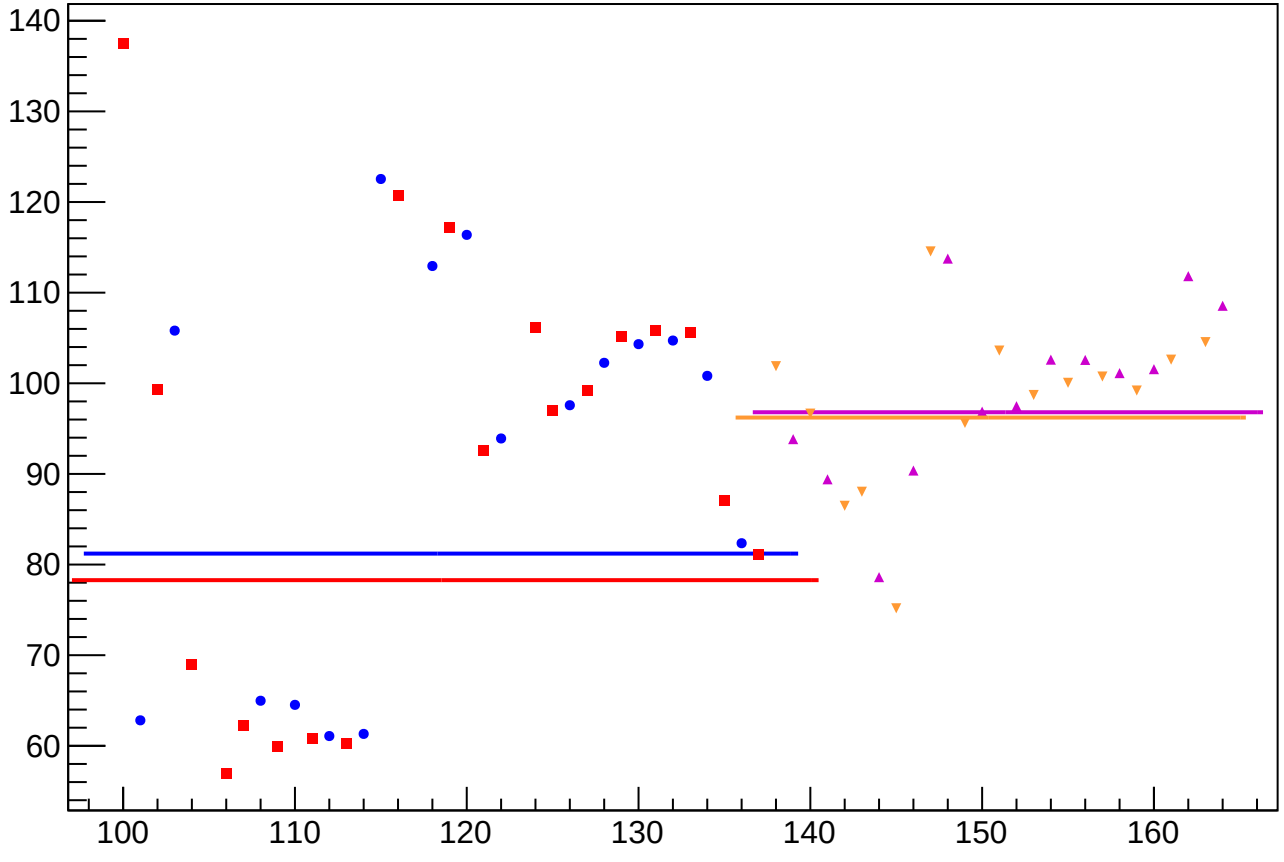
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -28.087+/-14.926 χ^2/NDF: 62.8/61

- 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: 96.220+/-0.020 χ^2/NDF:232690.1/13

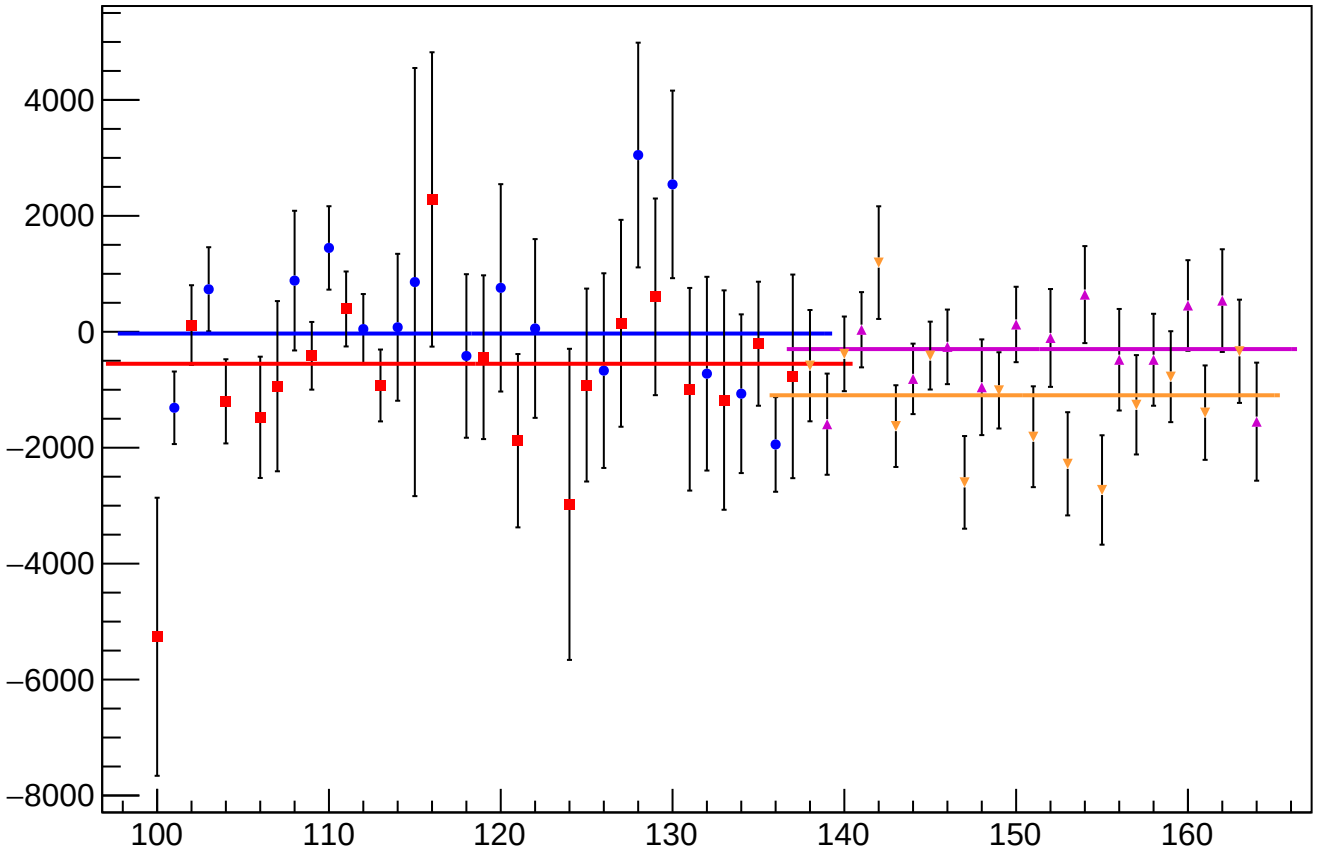
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

+ sign 89.285+/-0.015 χ^2/NDF: 1268950.2/29

All: 88.482+/-0.011 χ^2/NDF: 2816447.0/61

- 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: -1095.240+/-209.333 χ^2/NDF:19.0/13

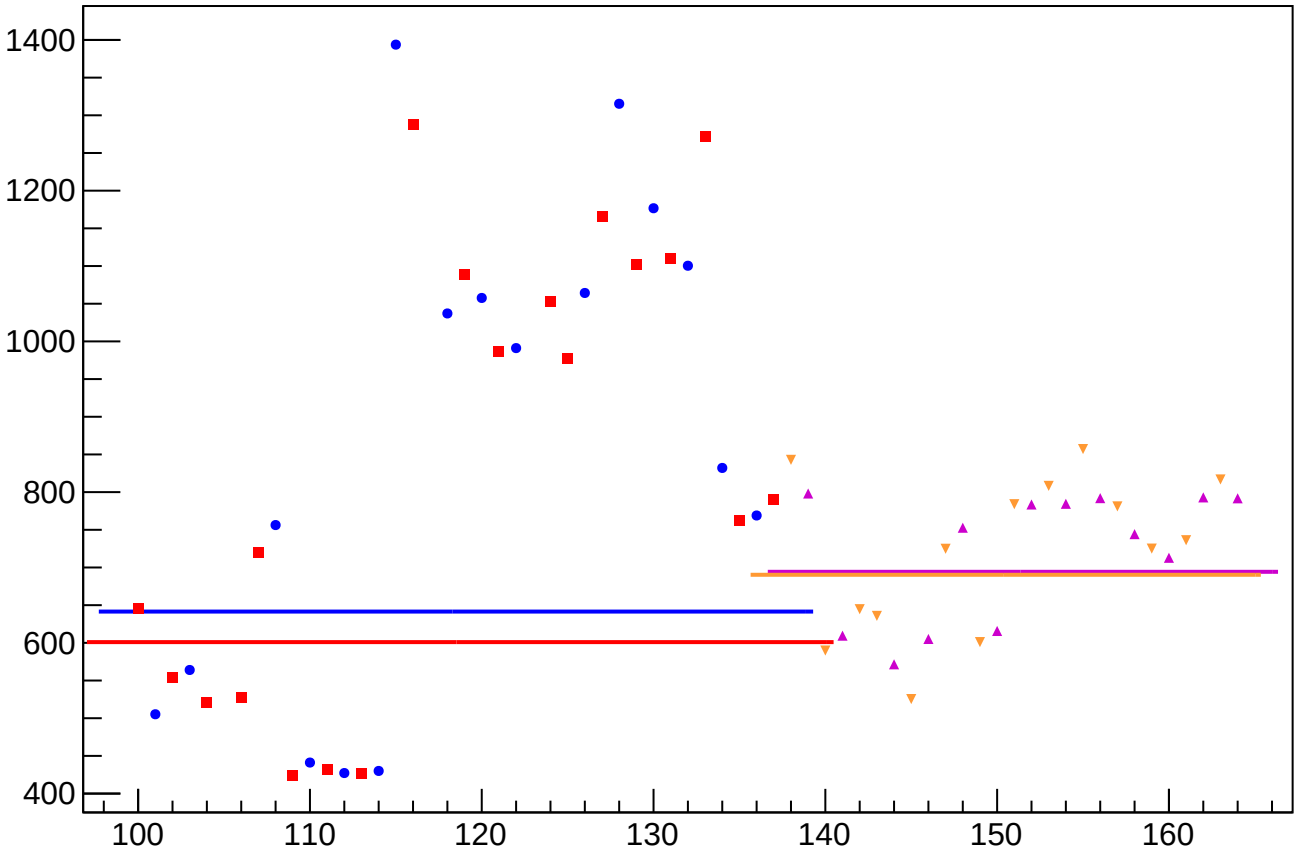
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -298.430+/-212.052 χ^2/NDF:9.0/12

+ sign -670.557+/-162.306 χ^2/NDF: 51.2/29

All: -537.344+/-113.403 χ^2/NDF: 75.0/61

- 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: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

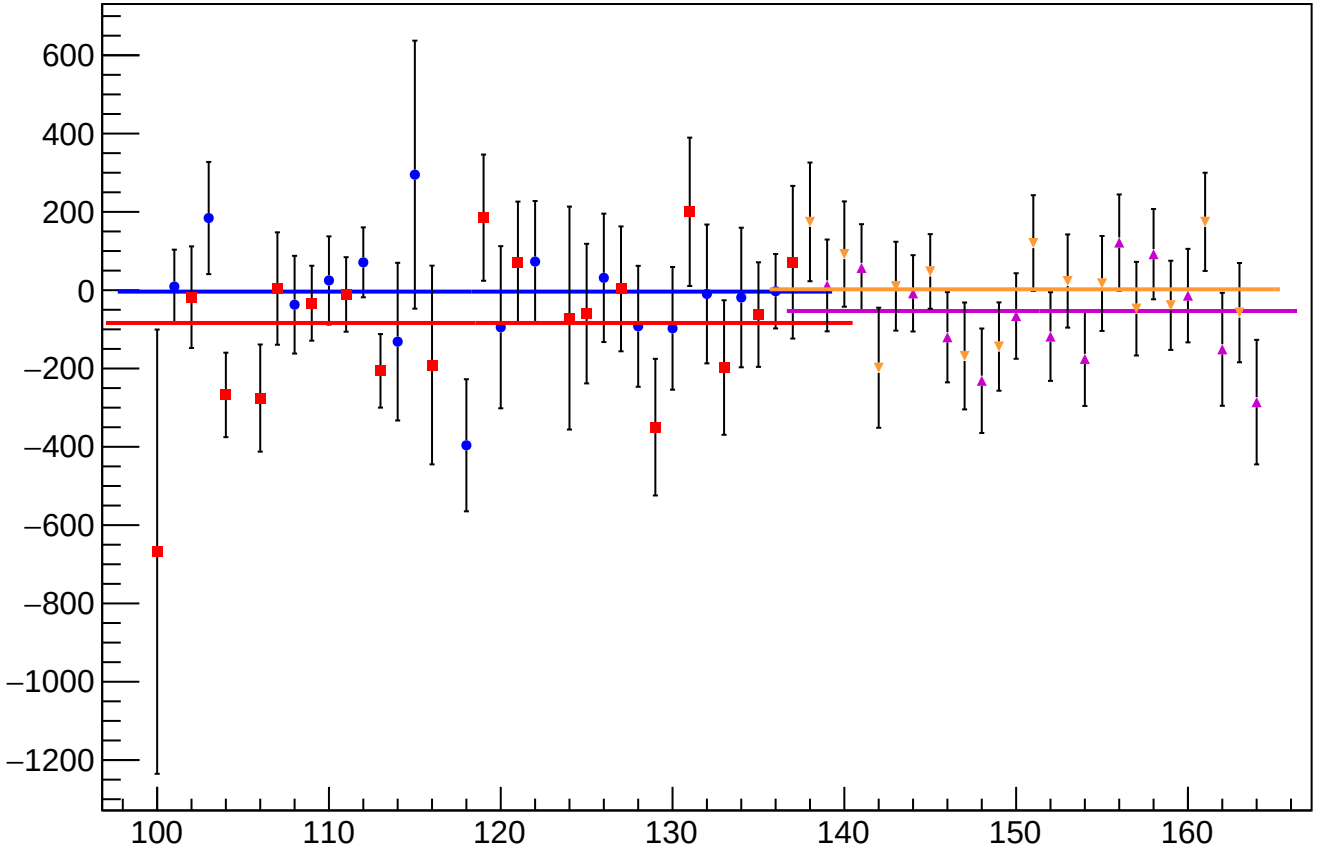
Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

+ sign 670.854+/-0.115 χ^2/NDF: 2426937.7/29

All: 661.770+/-0.080 χ^2/NDF: 5031537.1/61

- 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: 2.277+/-32.621 χ^2/NDF:10.3/13

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

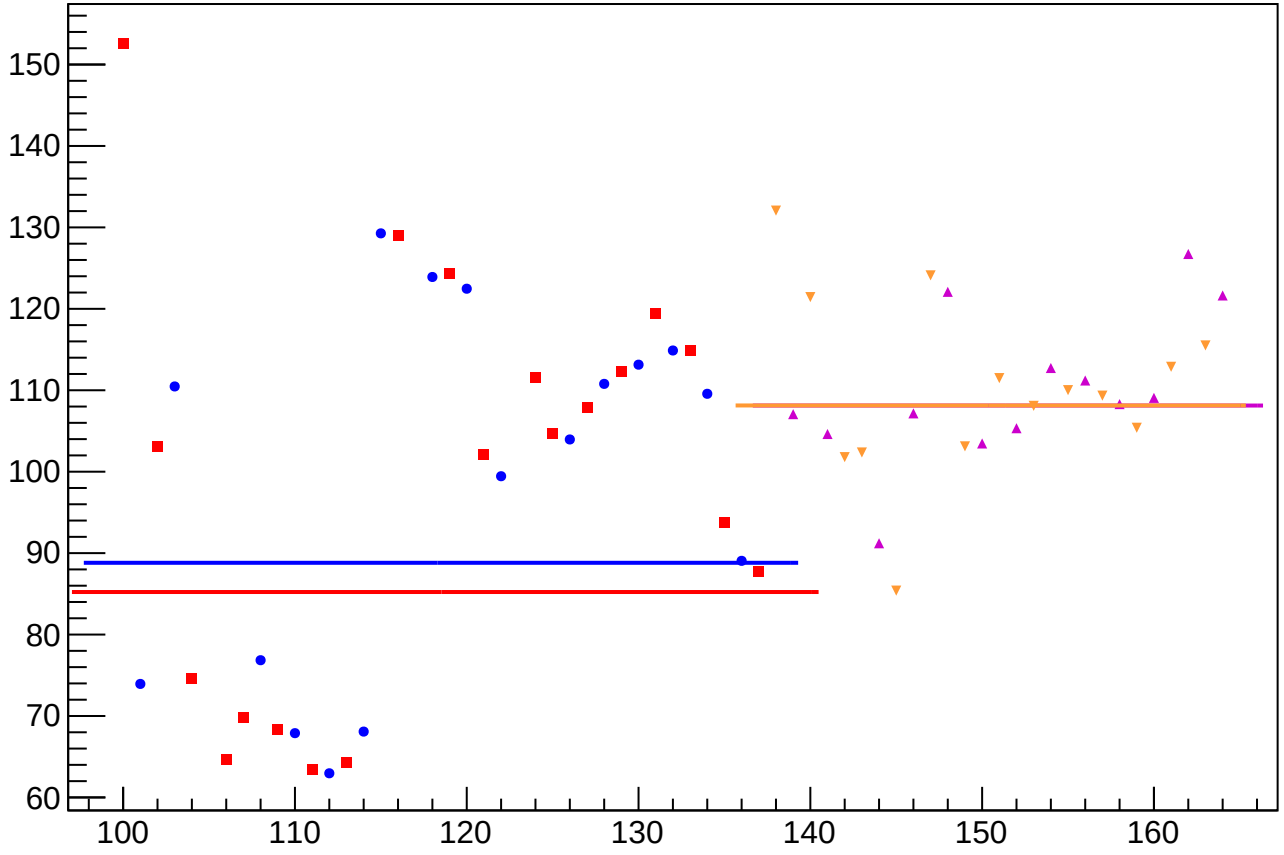
Left In: -53.110+/-32.972 χ^2/NDF:11.3/12

+ sign -0.544+/-23.589 χ^2/NDF: 20.7/29

All: -35.122+/-16.538 χ^2/NDF: 55.7/61

- 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: 108.134+/-0.023 χ^2/NDF:236259.2/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

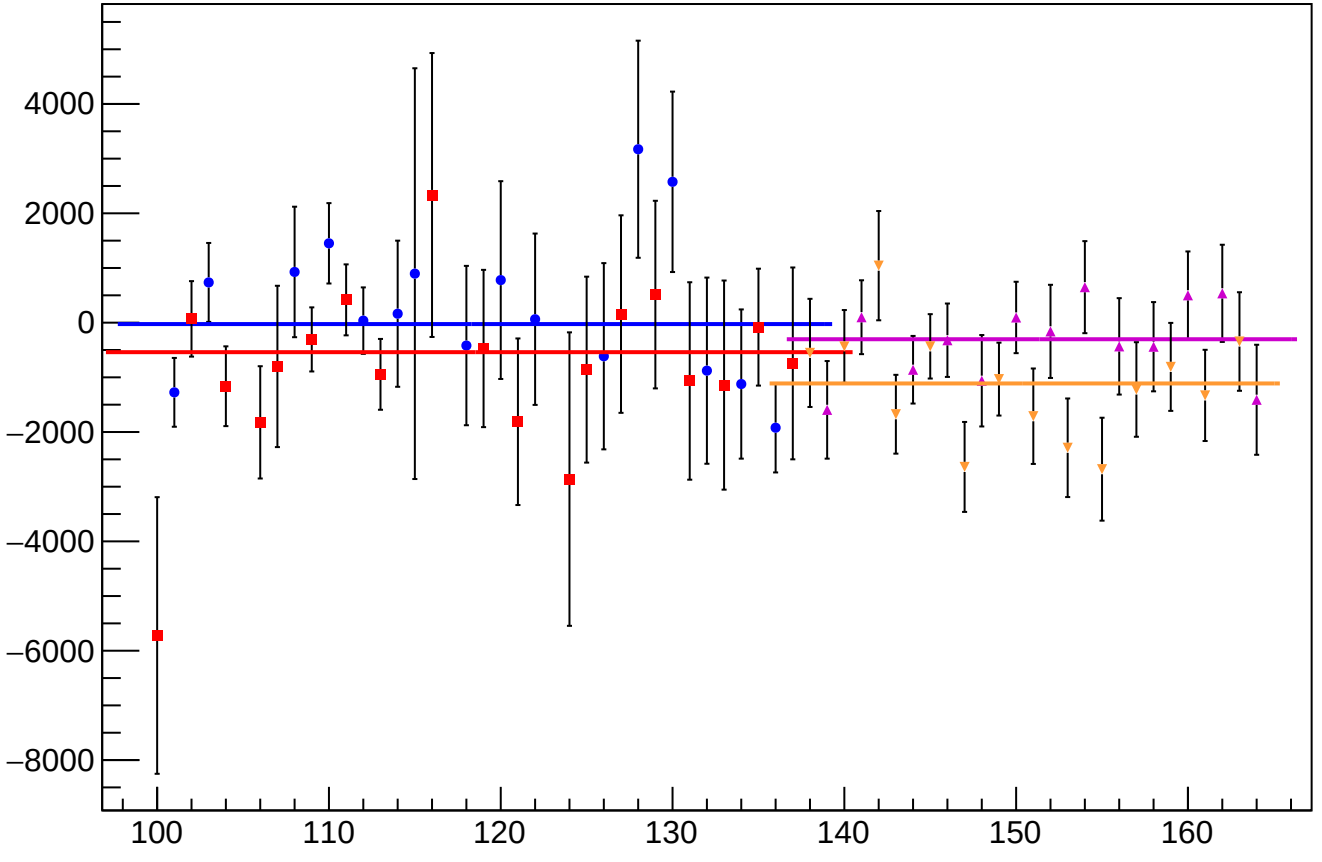
Left In: 108.124+/-0.023 χ^2/NDF:141257.2/12

+ sign 98.917+/-0.017 χ^2/NDF: 1295586.0/29

All: 97.716+/-0.012 χ^2/NDF: 2818426.4/61

- 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: -1111.906+/-213.007 χ^2/NDF:17.3/13

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

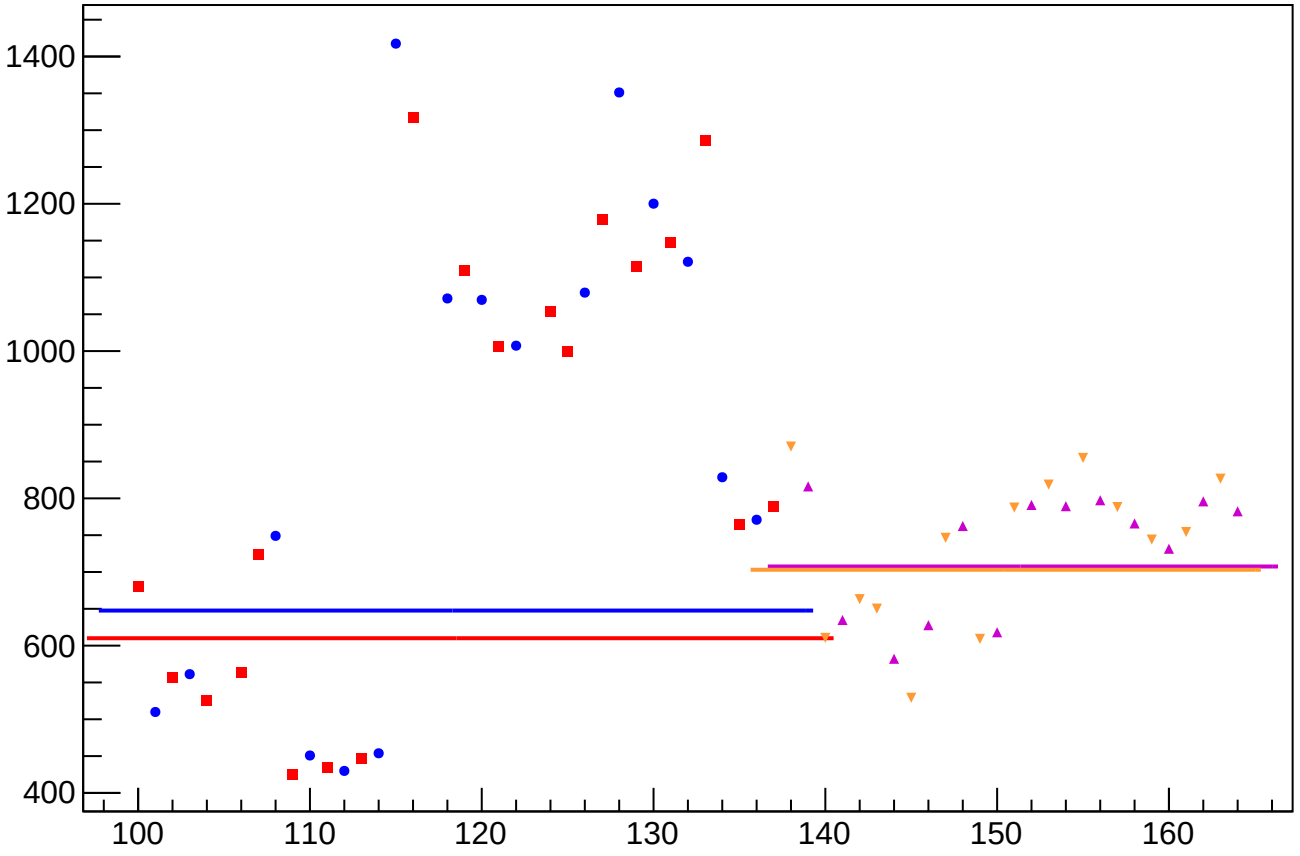
Left In: -303.100+/-215.949 χ^2/NDF:8.9/12

+ sign -674.486+/-164.619 χ^2/NDF: 49.3/29

All: -538.364+/-115.066 χ^2/NDF: 73.8/61

- 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: 703.039+/-0.151 χ^2/NDF:502867.3/13

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

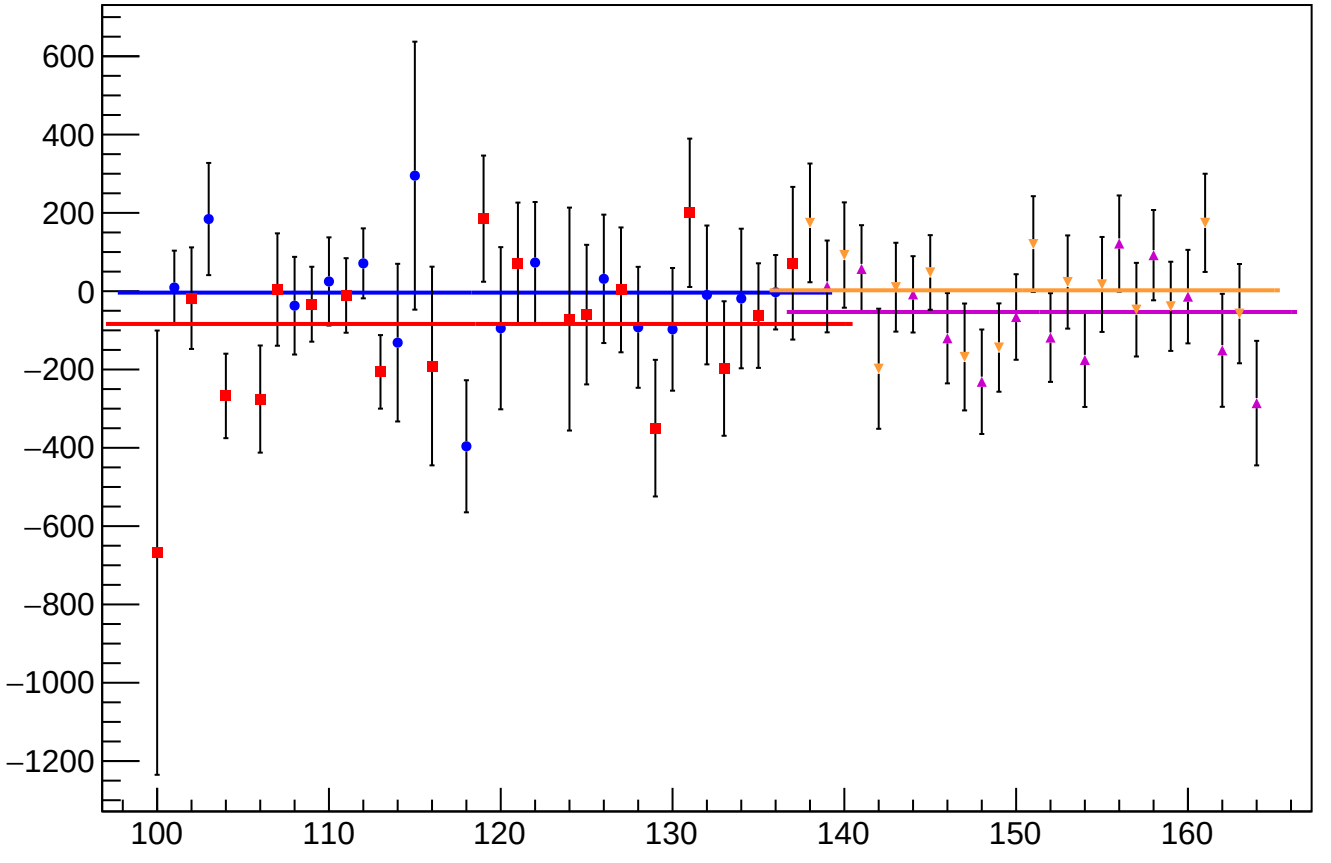
Left In: 707.475+/-0.153 χ^2/NDF:311175.2/12

+ sign 680.728+/-0.116 χ^2/NDF: 2445164.8/29

All: 672.245+/-0.081 χ^2/NDF: 5022022.9/61

- 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: 2.278+/-32.621 χ^2/NDF:10.3/13

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

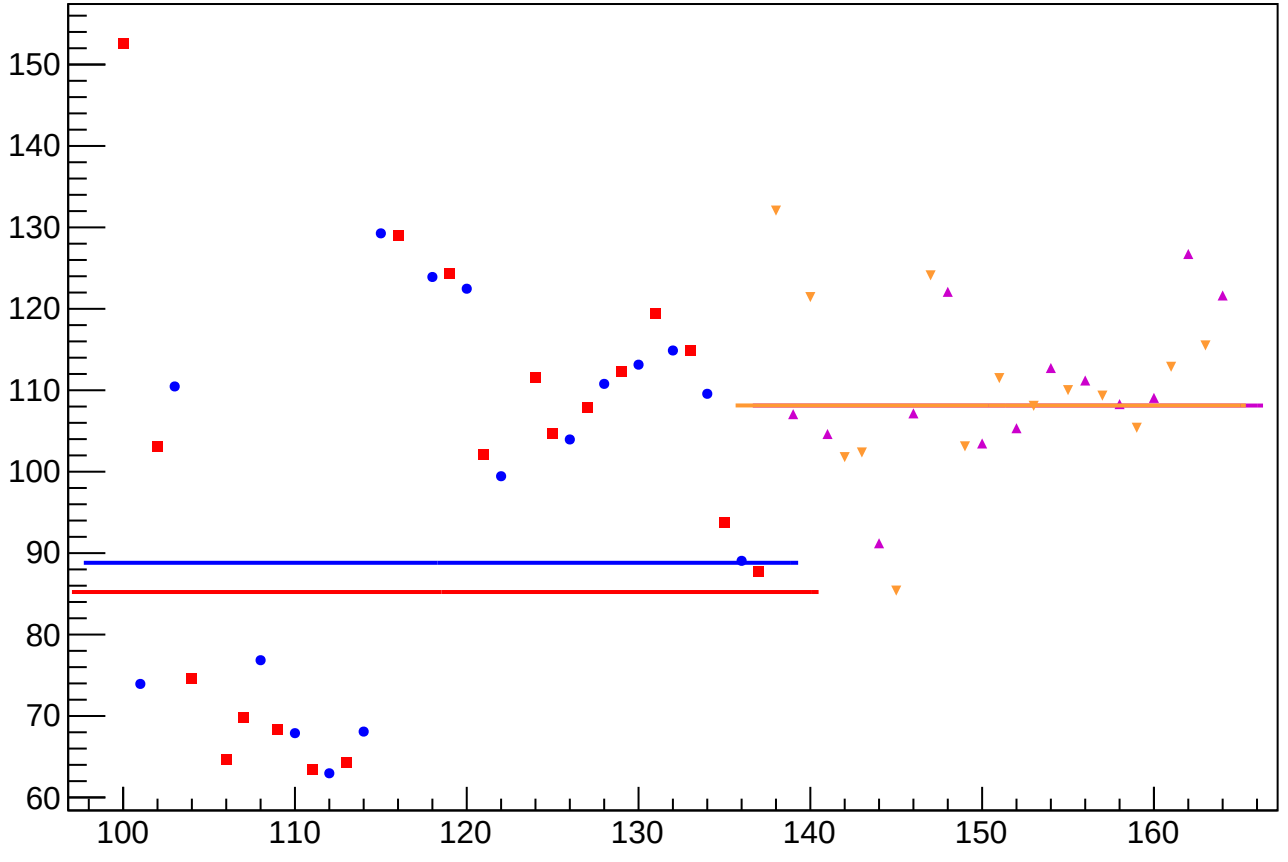
Left In: -53.110+/-32.972 χ^2/NDF:11.3/12

+ sign -0.542+/-23.589 χ^2/NDF: 20.7/29

All: -35.122+/-16.538 χ^2/NDF: 55.7/61

- 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: 108.134+/-0.023 χ^2/NDF:236256.9/13

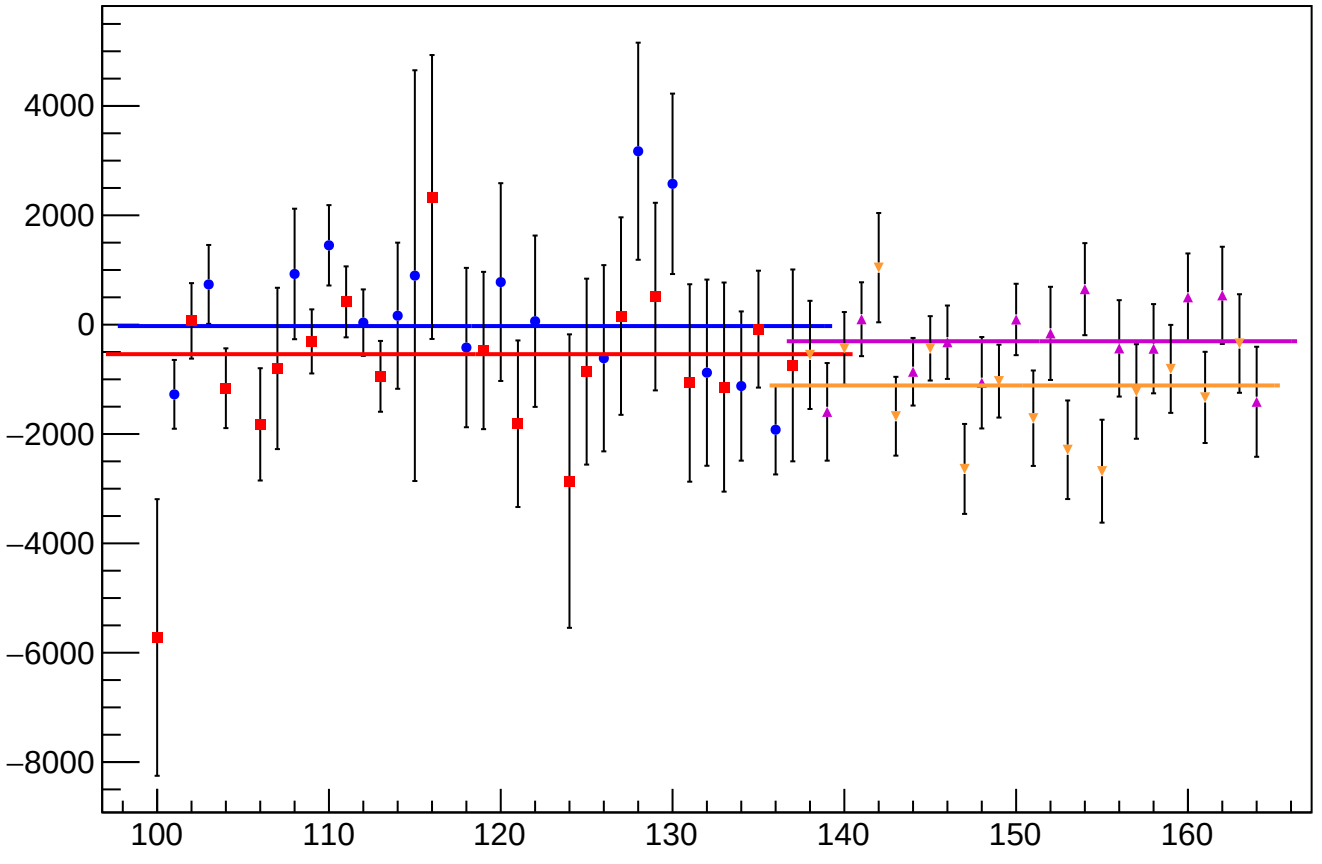
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.124+/-0.023 χ^2/NDF:141255.3/12

+ sign 98.917+/-0.017 χ^2/NDF: 1295590.3/29

All: 97.716+/-0.012 χ^2/NDF: 2818440.3/61

- 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: -1111.904+/-213.007 χ^2/NDF:17.3/13

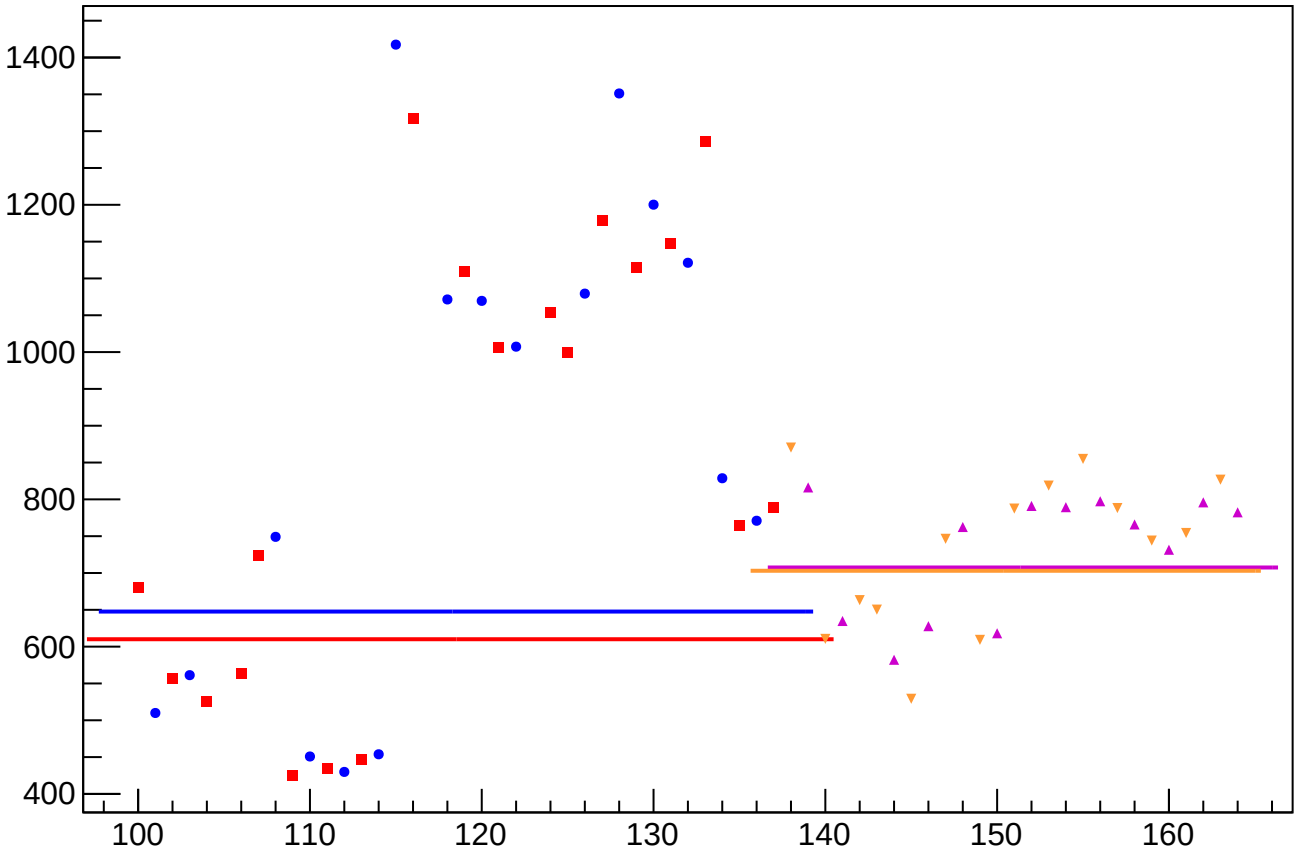
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -303.099+/-215.949 χ^2/NDF:8.9/12

+ sign -674.485+/-164.619 χ^2/NDF: 49.3/29

All: -538.363+/-115.066 χ^2/NDF: 73.8/61

- 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: 703.038+/-0.151 χ^2/NDF:502867.7/13

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

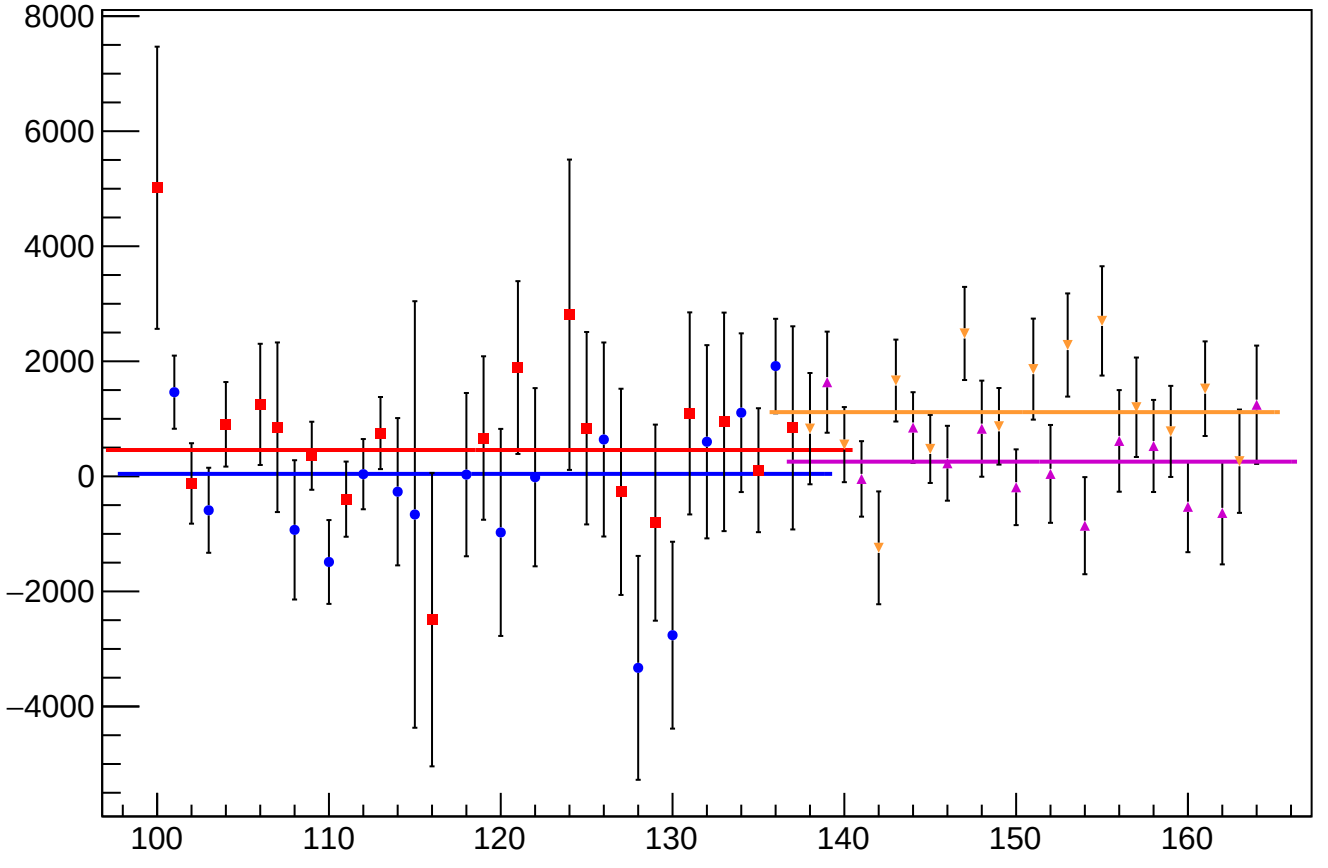
Left In: 707.475+/-0.153 χ^2/NDF:311172.6/12

+ sign 680.728+/-0.116 χ^2/NDF: 2445170.6/29

All: 672.244+/-0.081 χ^2/NDF: 5022030.6/61

- 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: 1116.559+/-211.448 χ^2/NDF:17.9/13

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

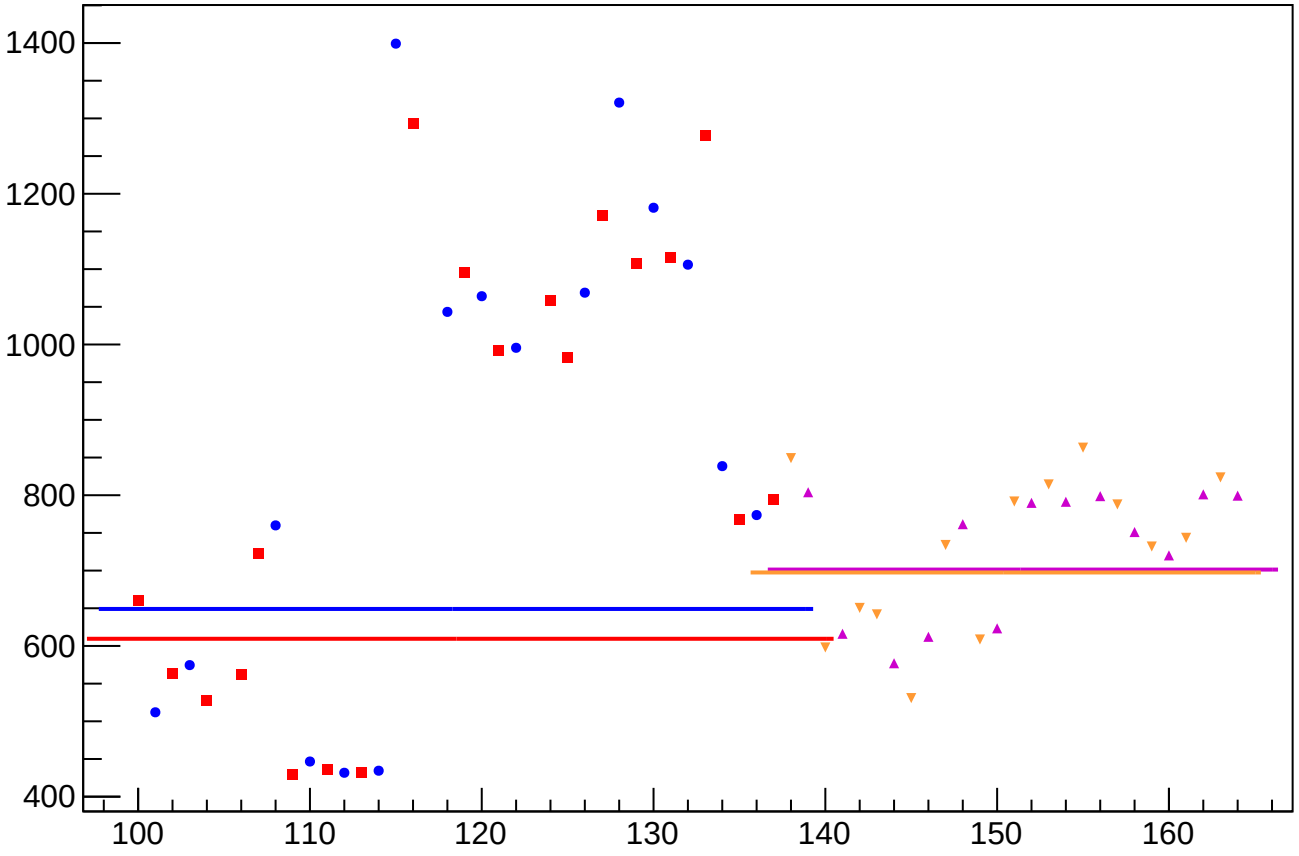
Left In: 255.410+/-214.176 χ^2/NDF:9.5/12

+ sign 688.836+/-163.995 χ^2/NDF: 51.4/29

All: 512.716+/-114.570 χ^2/NDF: 74.8/61

- 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: 697.496+/-0.150 χ^2/NDF:499970.8/13

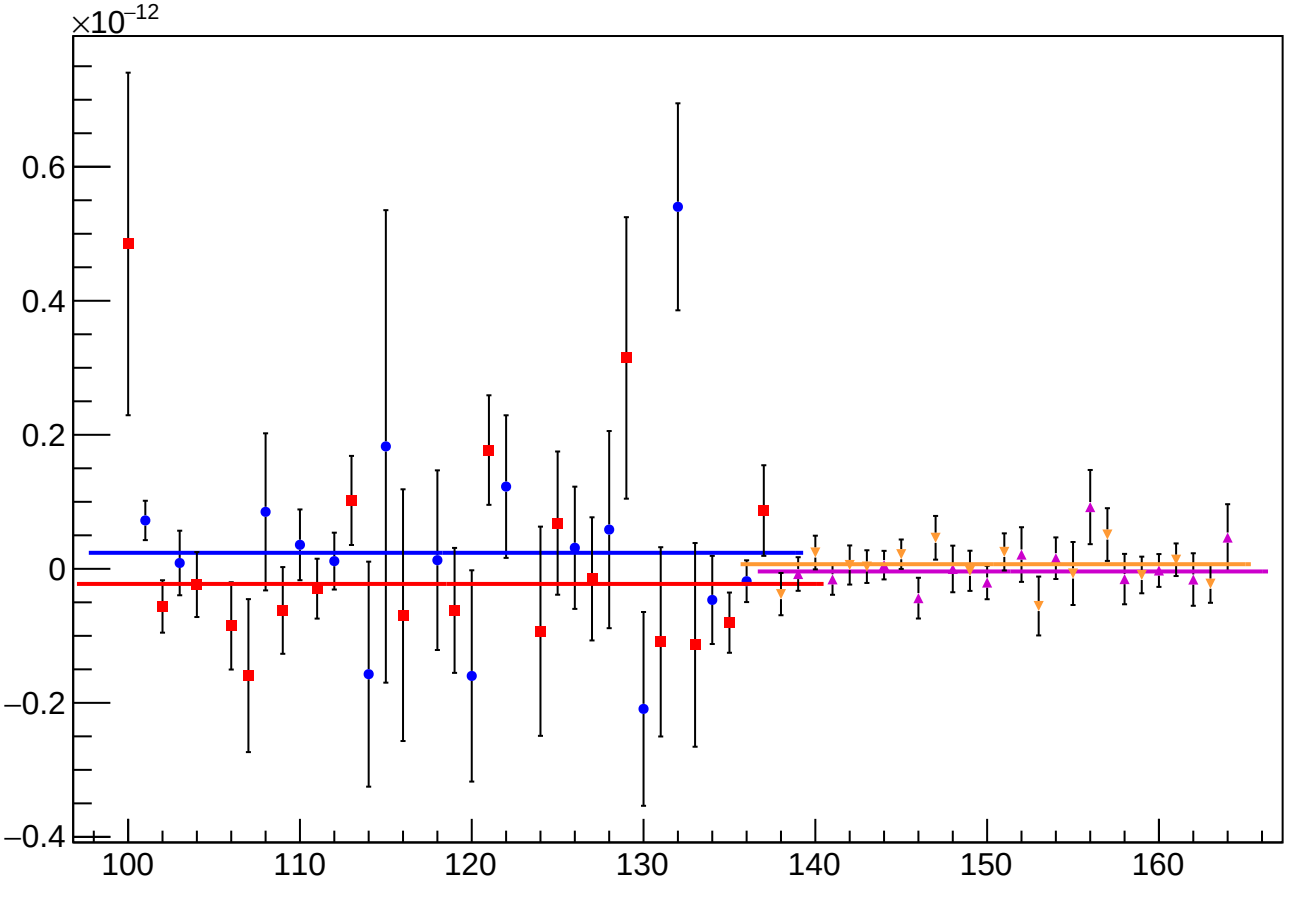
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 701.343+/-0.151 χ^2/NDF:339733.0/12

+ sign 678.208+/-0.116 χ^2/NDF: 2387551.4/29

All: 669.319+/-0.081 χ^2/NDF: 4944496.2/61

- sign 660.845+/-0.113 χ^2/NDF: 2545467.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/13

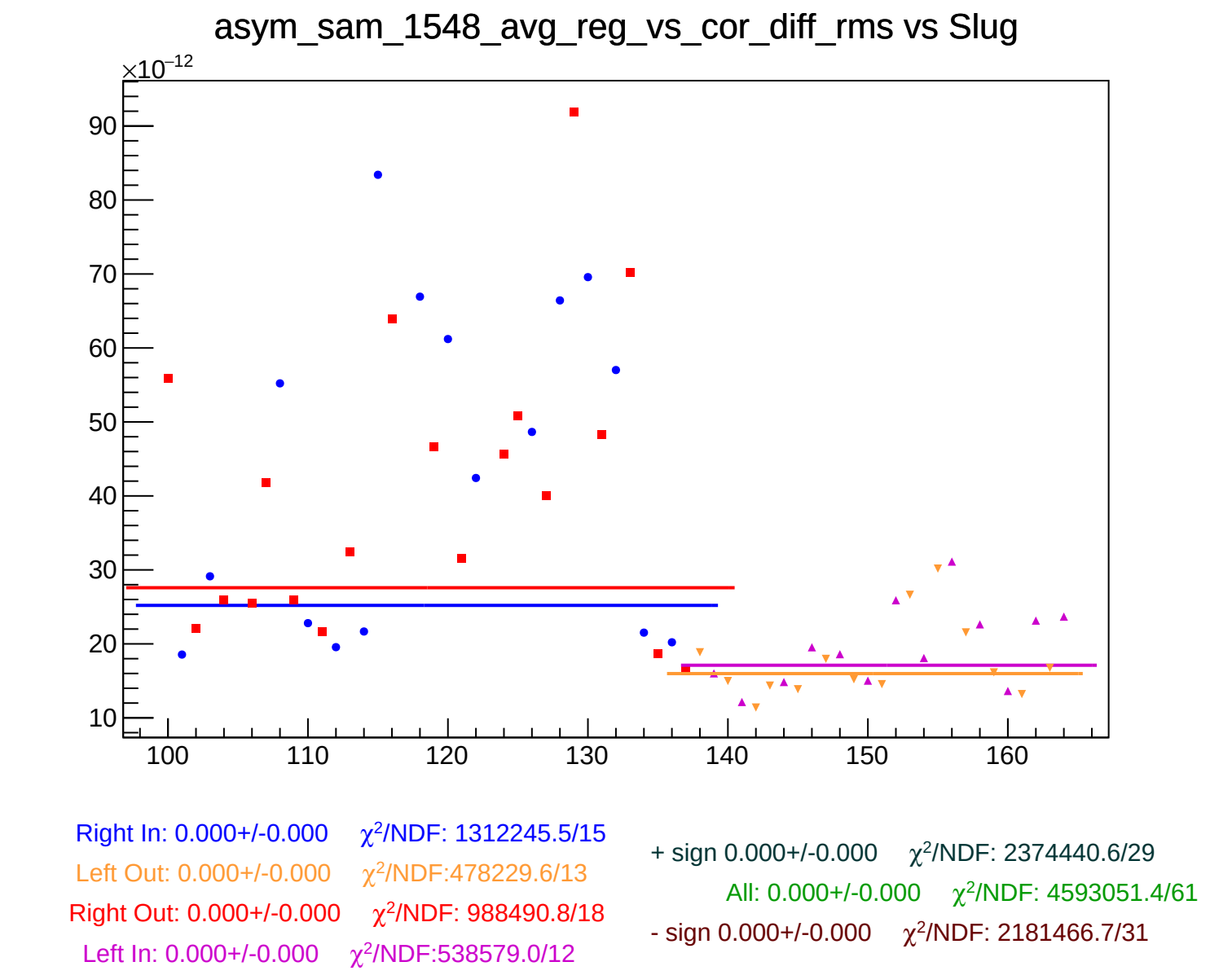
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/29

All: 0.000+/-0.000 χ^2/NDF: 72.0/61

- sign -0.000+/-0.000 χ^2/NDF: 34.4/31


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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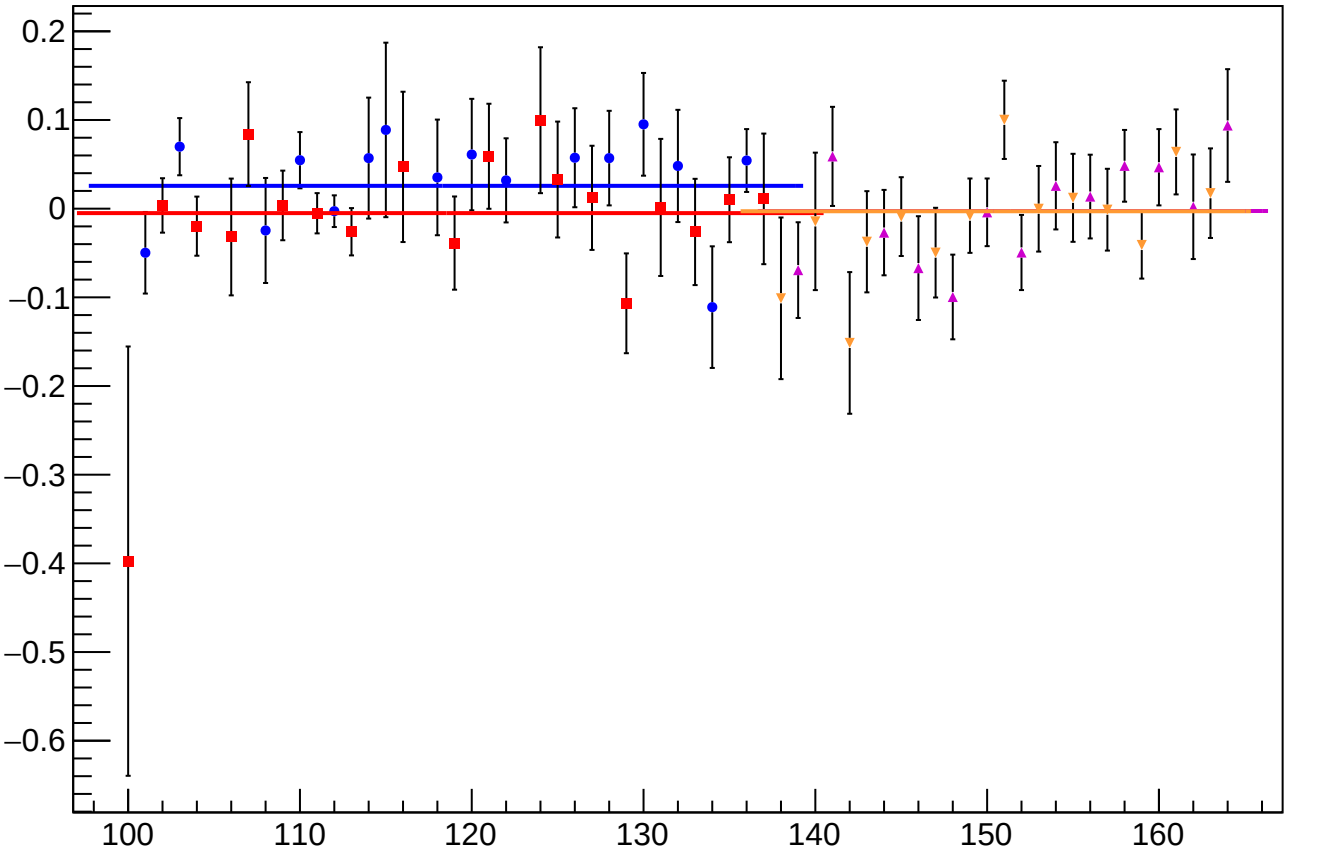
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:478229.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:538579.0/12
+ sign 0.000+/-0.000 χ²/NDF: 2374440.6/29
All: 0.000+/-0.000 χ²/NDF: 4593051.4/61
- sign 0.000+/-0.000 χ²/NDF: 2181466.7/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

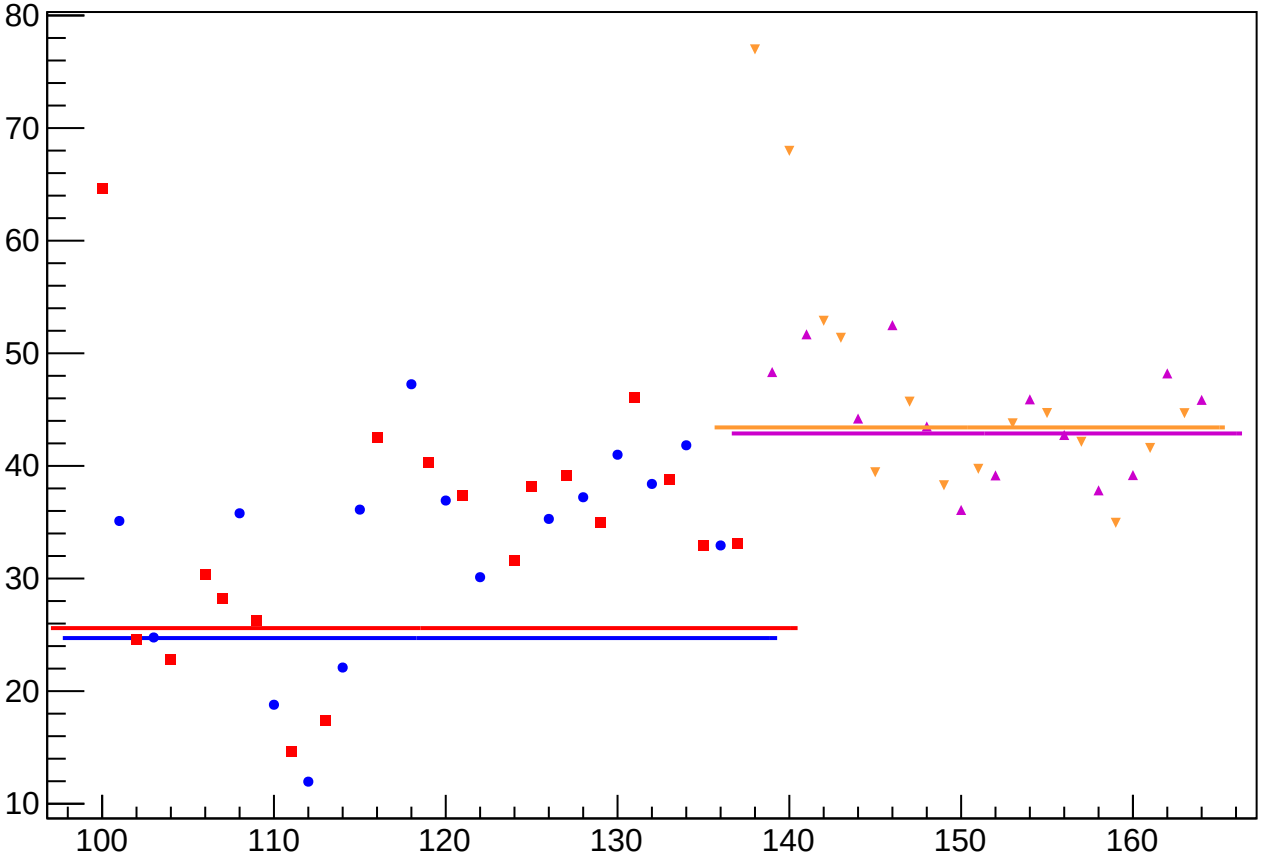
Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 65.5/61

- 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: 43.418+/-0.009 χ^2/NDF:710230.1/13

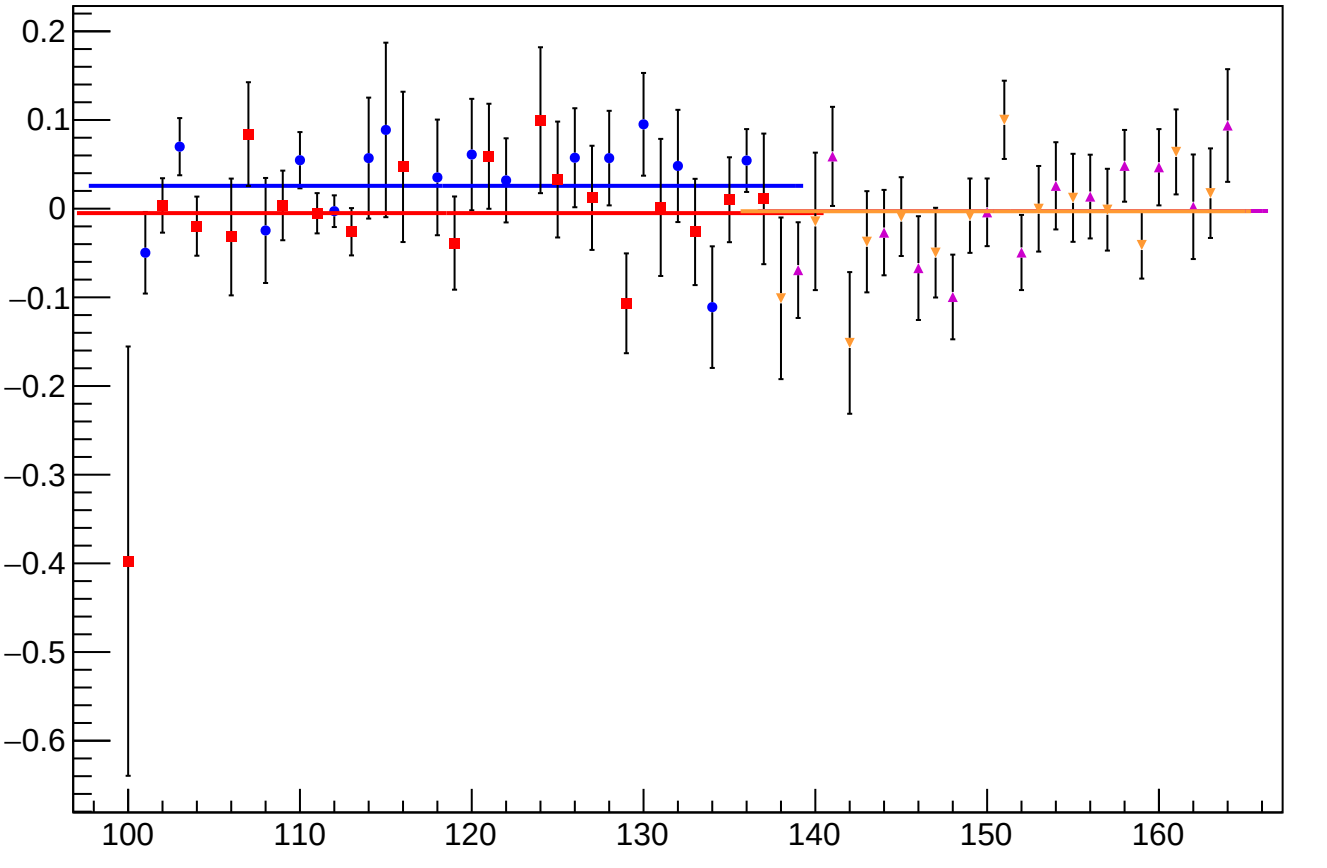
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.881+/-0.009 χ^2/NDF:279059.7/12

+ sign 31.700+/-0.006 χ^2/NDF: 5442483.4/29

All: 31.895+/-0.004 χ^2/NDF: 9424654.8/61

- 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: -0.003+/-0.013 χ^2/NDF:14.6/13

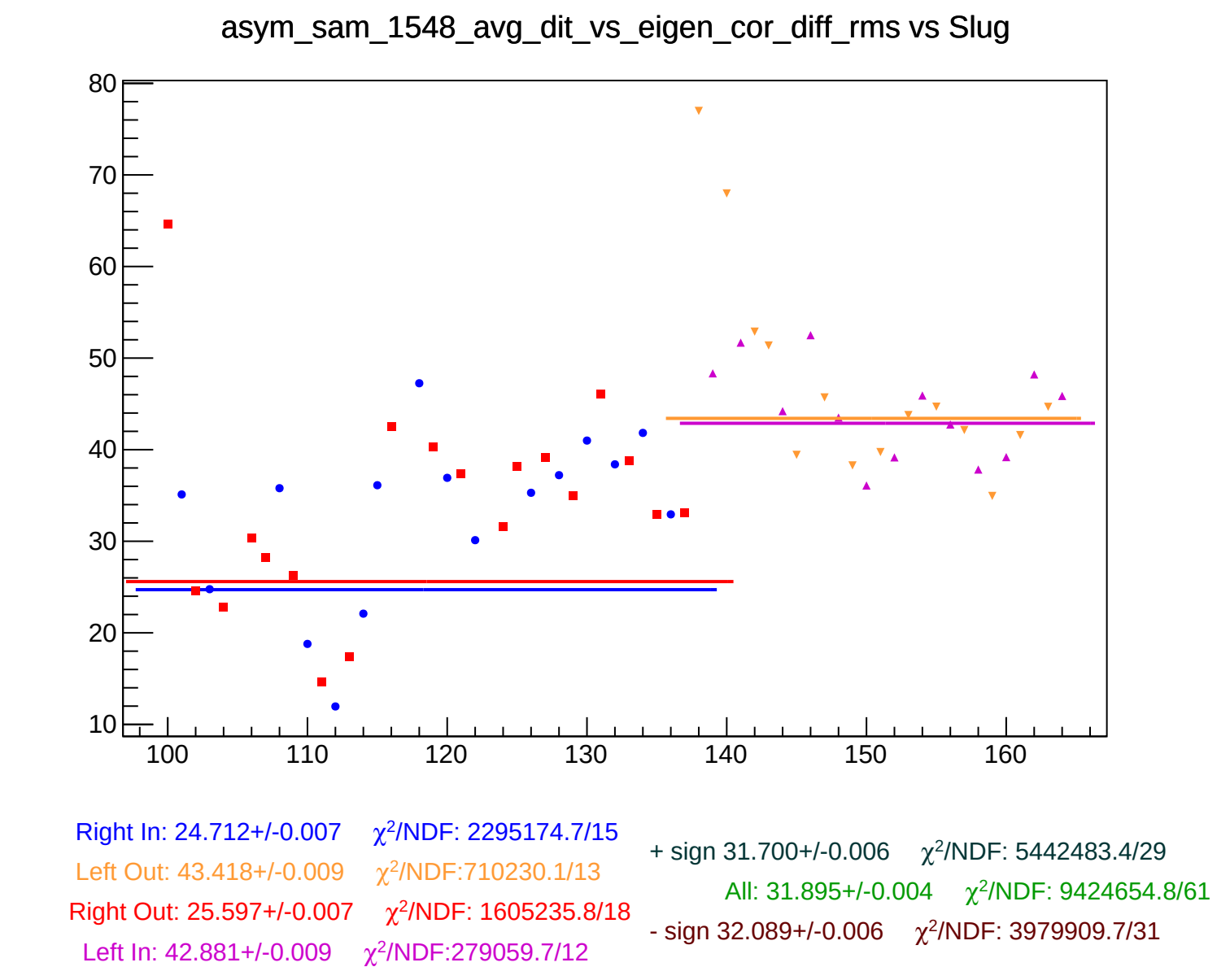
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 65.5/61

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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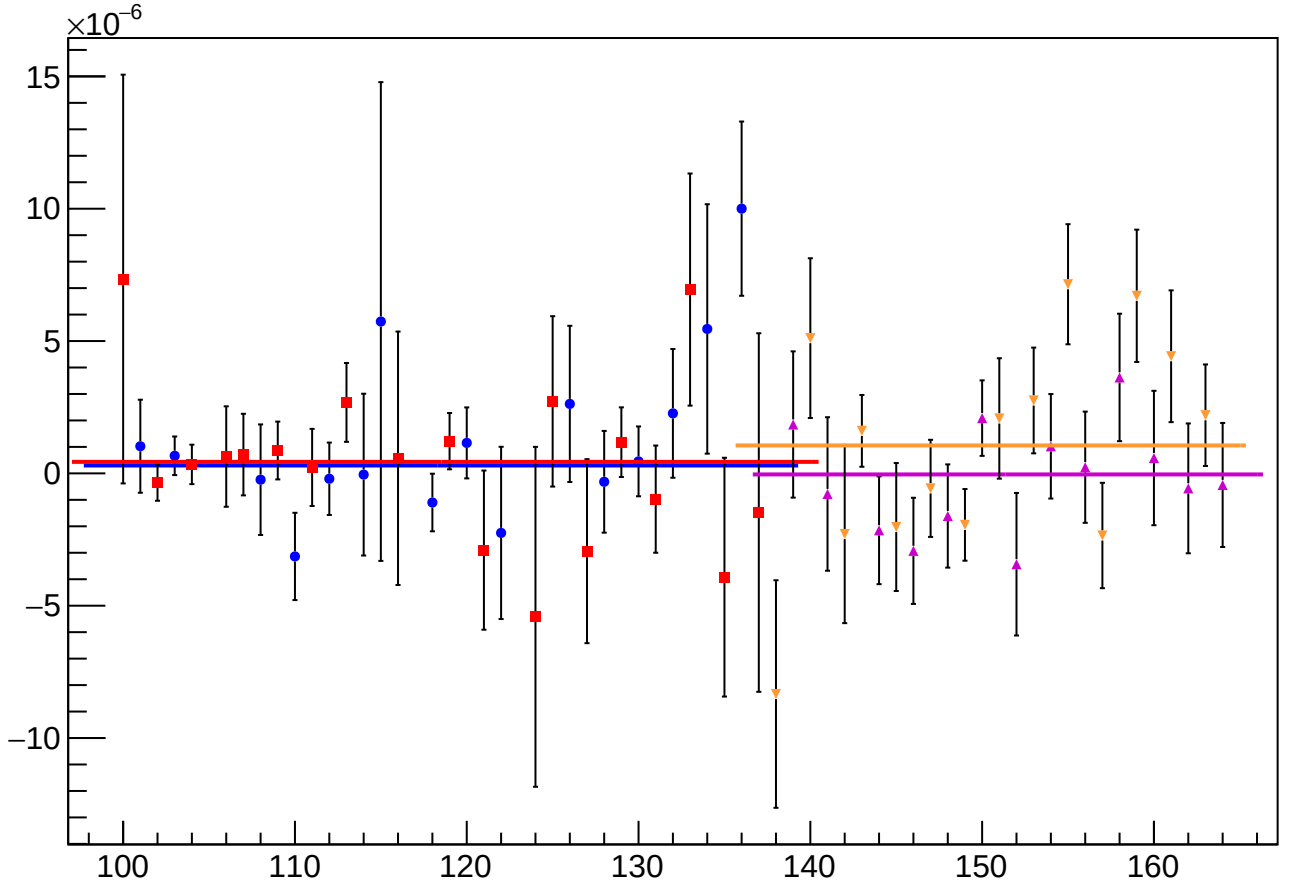
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.418+/-0.009 χ²/NDF:710230.1/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.881+/-0.009 χ²/NDF:279059.7/12
+ sign 31.700+/-0.006 χ²/NDF: 5442483.4/29
All: 31.895+/-0.004 χ²/NDF: 9424654.8/61
- sign 32.089+/-0.006 χ²/NDF: 3979909.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.4/13

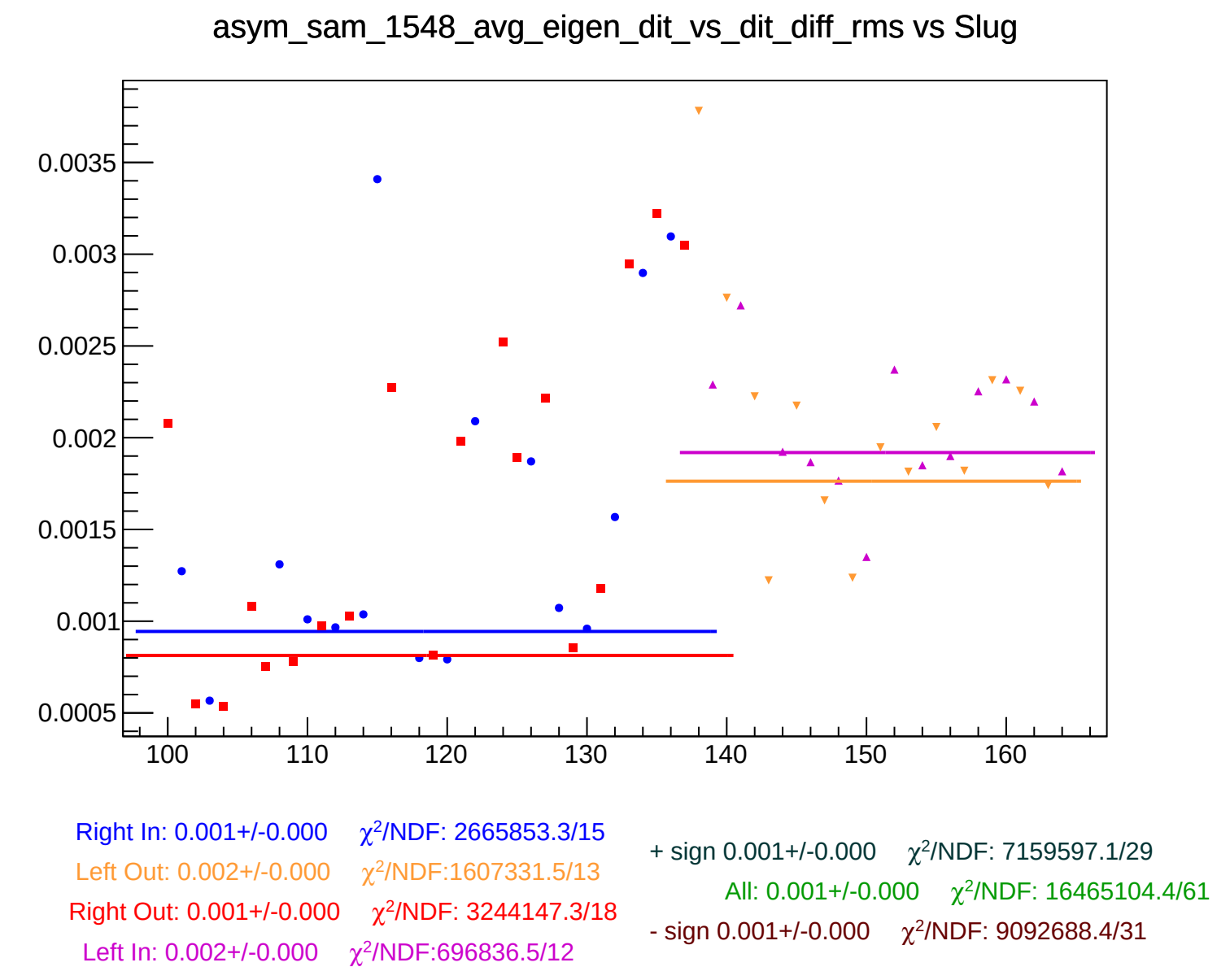
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/29

All: 0.000+/-0.000 χ^2/NDF: 78.3/61

- sign 0.000+/-0.000 χ^2/NDF: 24.1/31


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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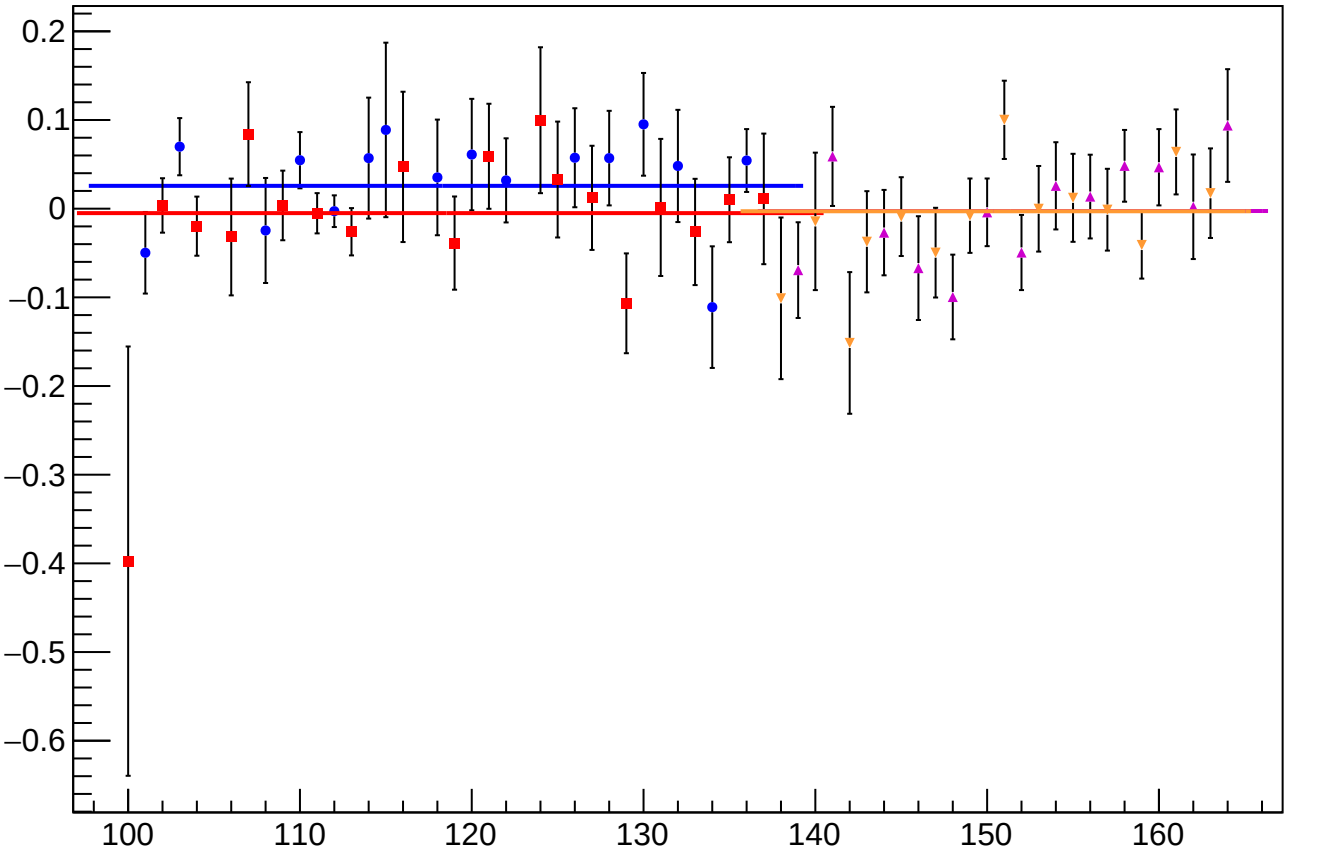
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607331.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:696836.5/12
+ sign 0.001+/-0.000 χ²/NDF: 7159597.1/29
All: 0.001+/-0.000 χ²/NDF: 16465104.4/61
- sign 0.001+/-0.000 χ²/NDF: 9092688.4/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

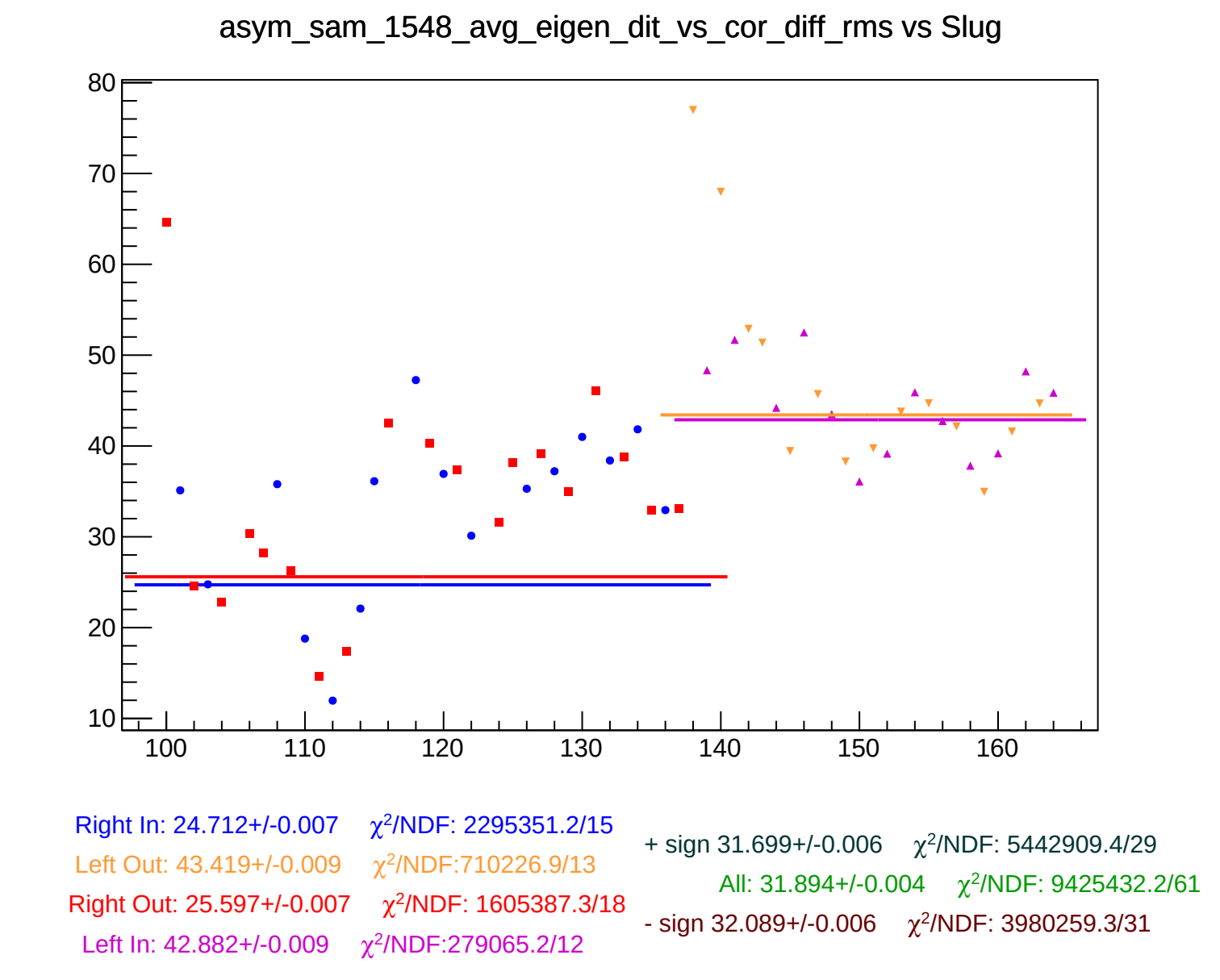
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 65.5/61

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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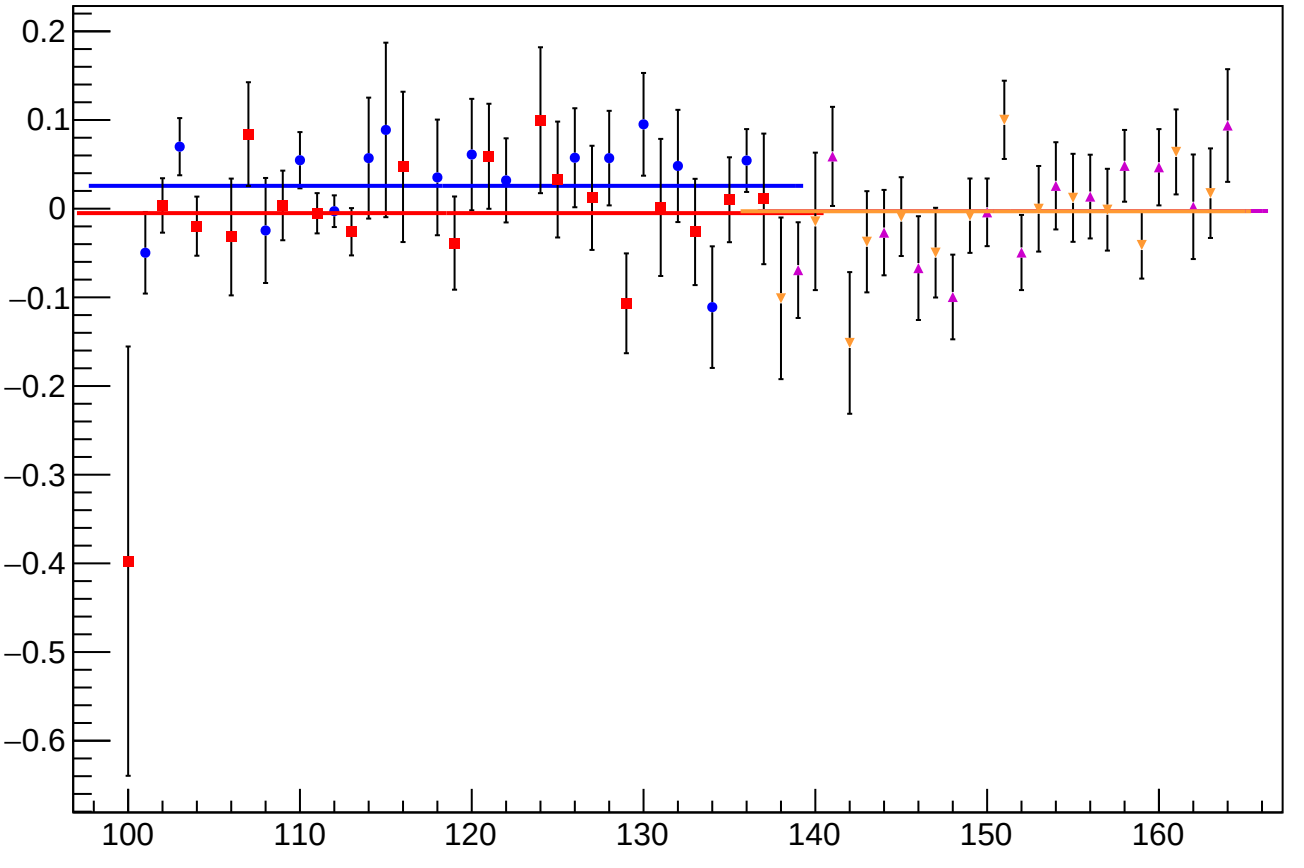
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.419+/-0.009 χ²/NDF:710226.9/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.882+/-0.009 χ²/NDF:279065.2/12
+ sign 31.699+/-0.006 χ²/NDF: 5442909.4/29
All: 31.894+/-0.004 χ²/NDF: 9425432.2/61
- sign 32.089+/-0.006 χ²/NDF: 3980259.3/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

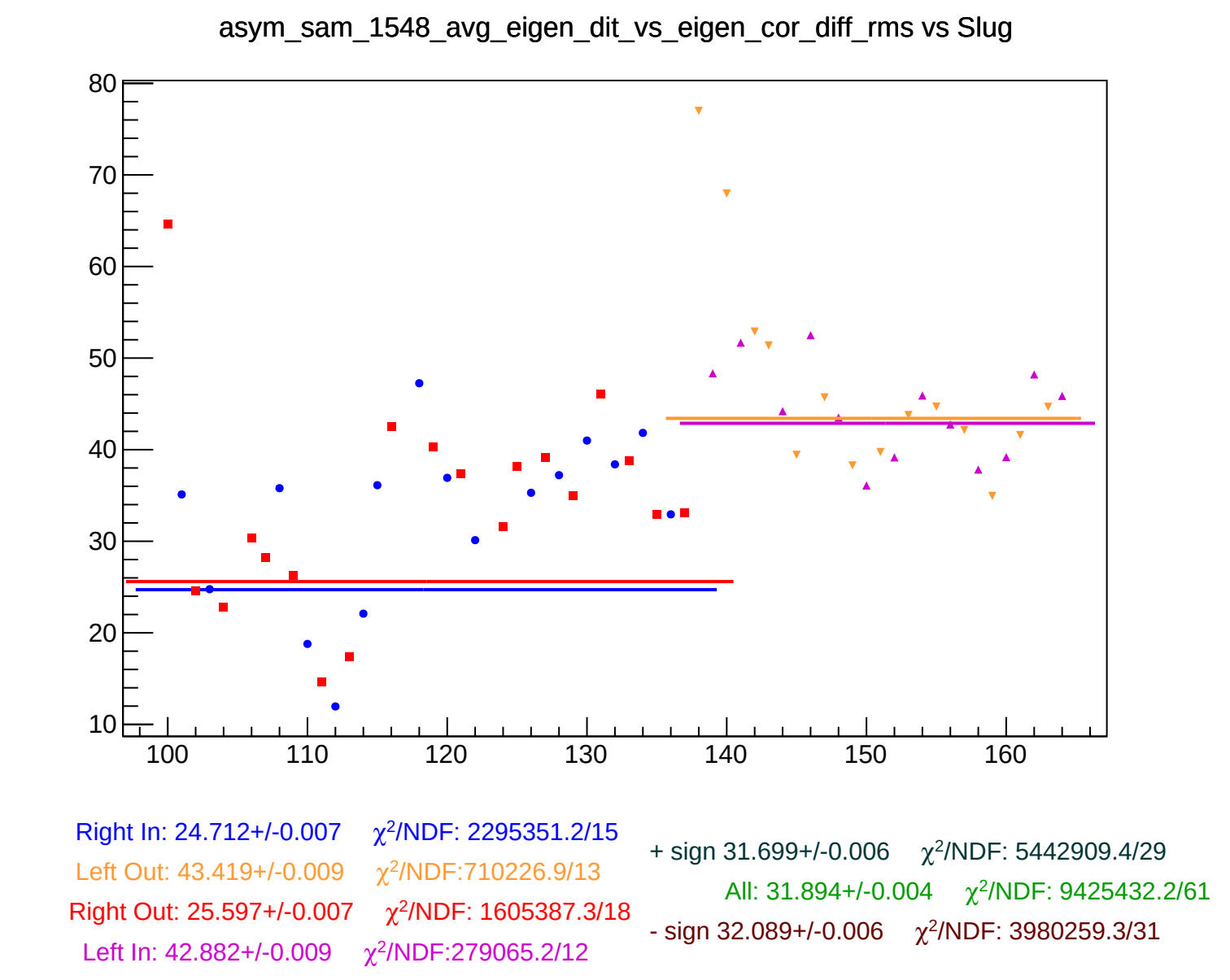
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 65.5/61

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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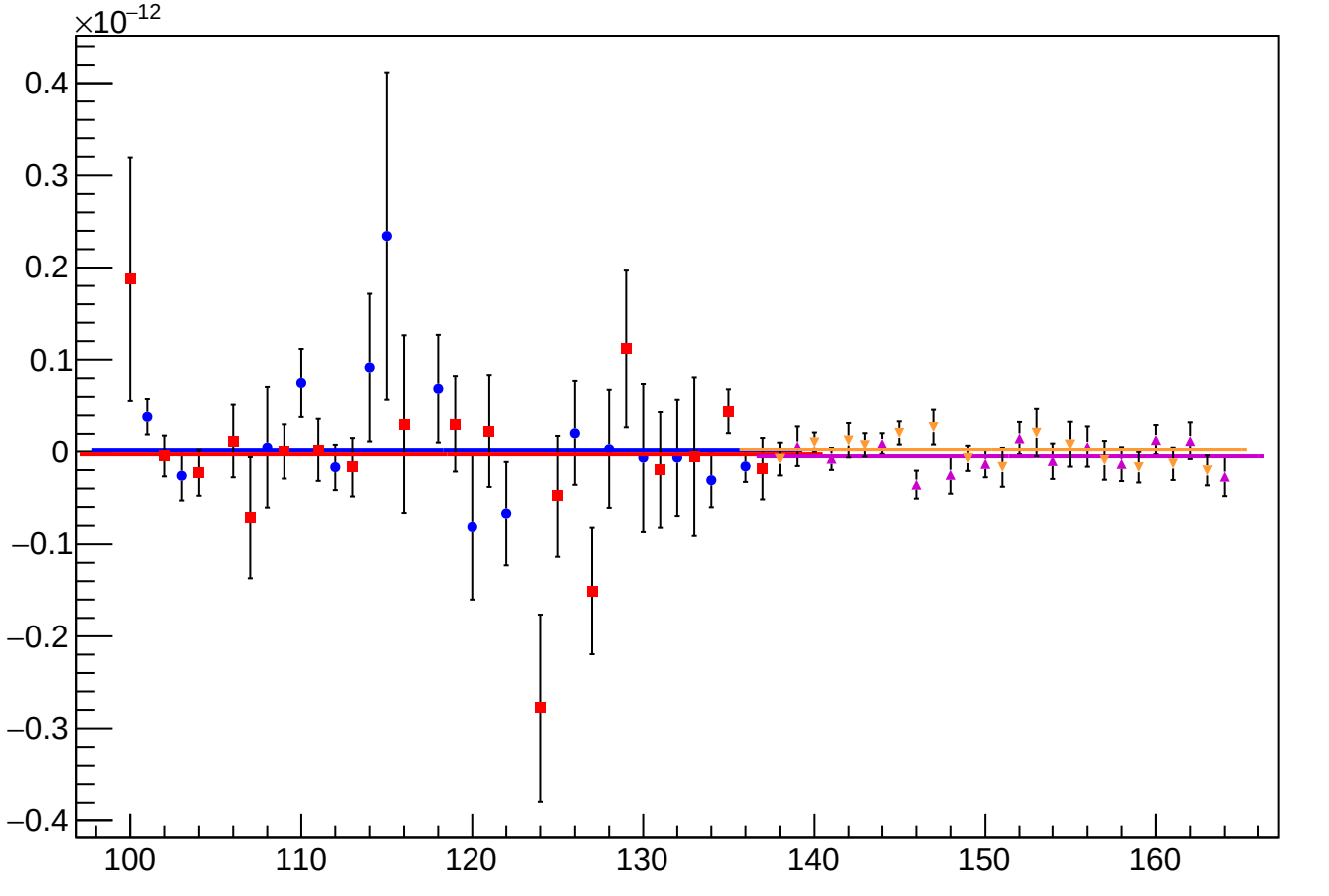
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.419+/-0.009 χ²/NDF:710226.9/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.882+/-0.009 χ²/NDF:279065.2/12
+ sign 31.699+/-0.006 χ²/NDF: 5442909.4/29
All: 31.894+/-0.004 χ²/NDF: 9425432.2/61
- sign 32.089+/-0.006 χ²/NDF: 3980259.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

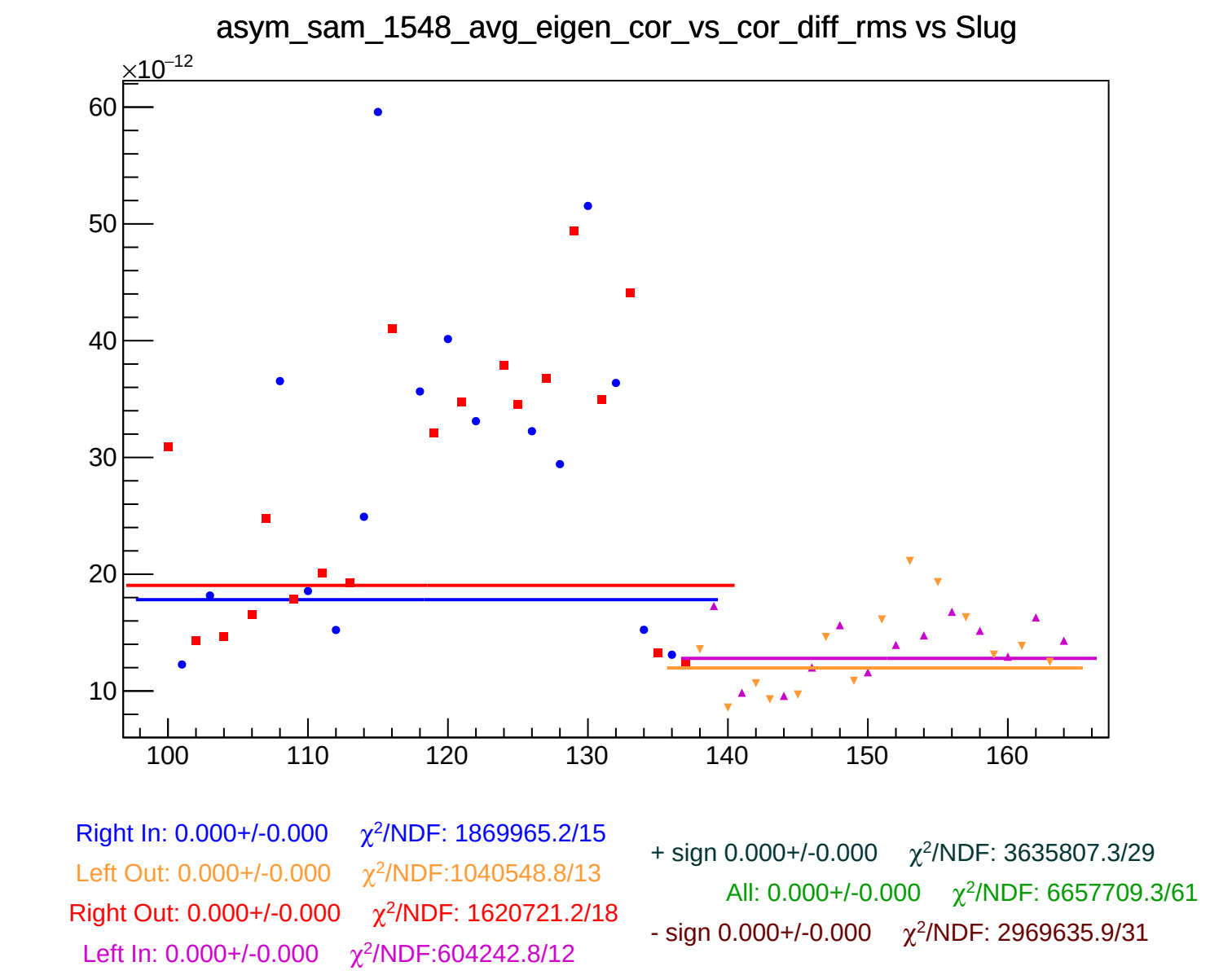
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/29

All: -0.000+/-0.000 χ^2/NDF: 67.1/61

- sign -0.000+/-0.000 χ^2/NDF: 35.5/31


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
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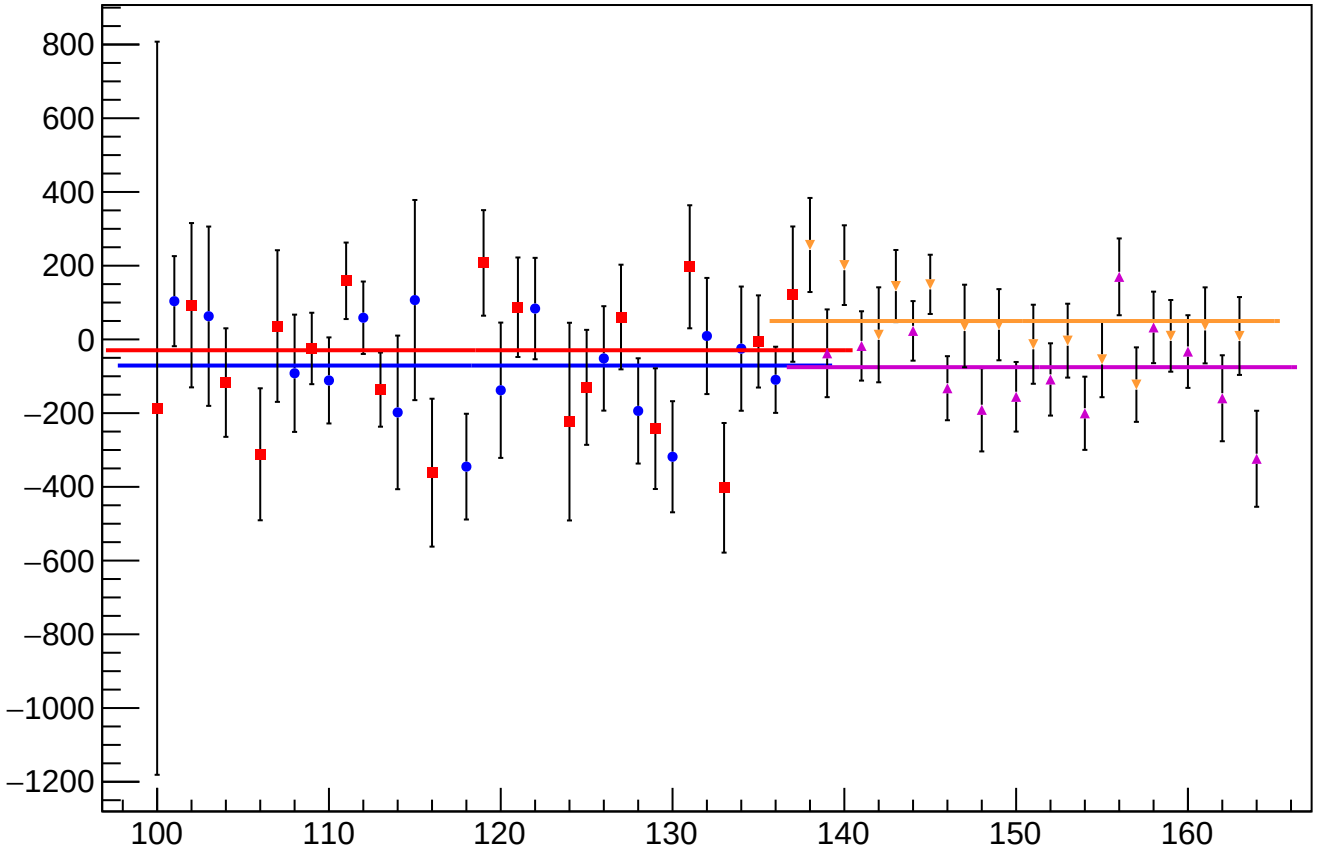
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1040548.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:604242.8/12
+ sign 0.000+/-0.000 χ²/NDF: 3635807.3/29
All: 0.000+/-0.000 χ²/NDF: 6657709.3/61
- sign 0.000+/-0.000 χ²/NDF: 2969635.9/31

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.882+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

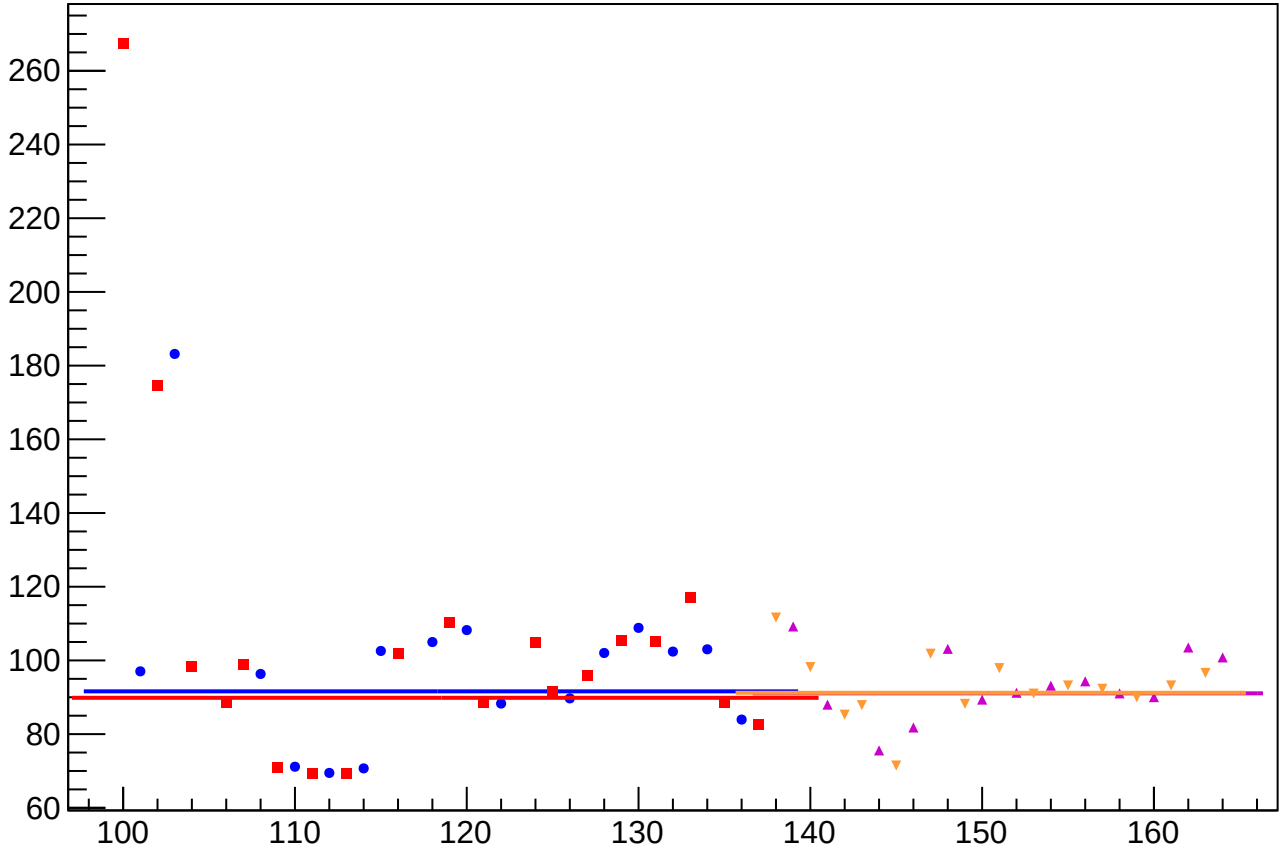
Left In: -75.291+/-27.744 χ^2/NDF:17.0/12

+ sign 3.983+/-21.652 χ^2/NDF: 33.4/29

All: -26.697+/-15.276 χ^2/NDF: 79.5/61

- 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: 91.218+/-0.019 χ^2/NDF:221664.4/13

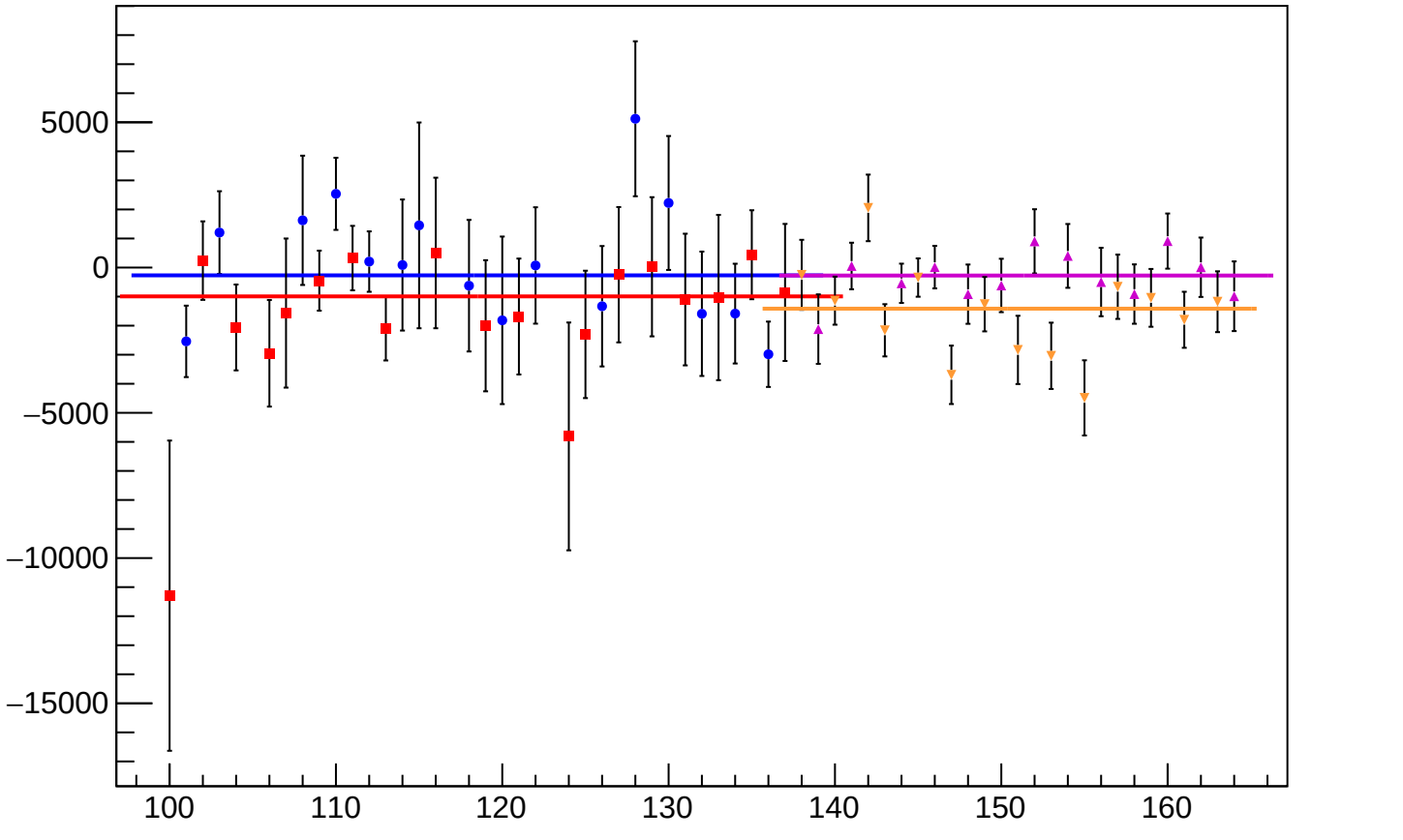
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.367+/-0.015 χ^2/NDF: 802489.7/29

All: 90.976+/-0.011 χ^2/NDF: 1757052.5/61

- 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: -1415.390+/-262.804 χ^2/NDF:28.6/13

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

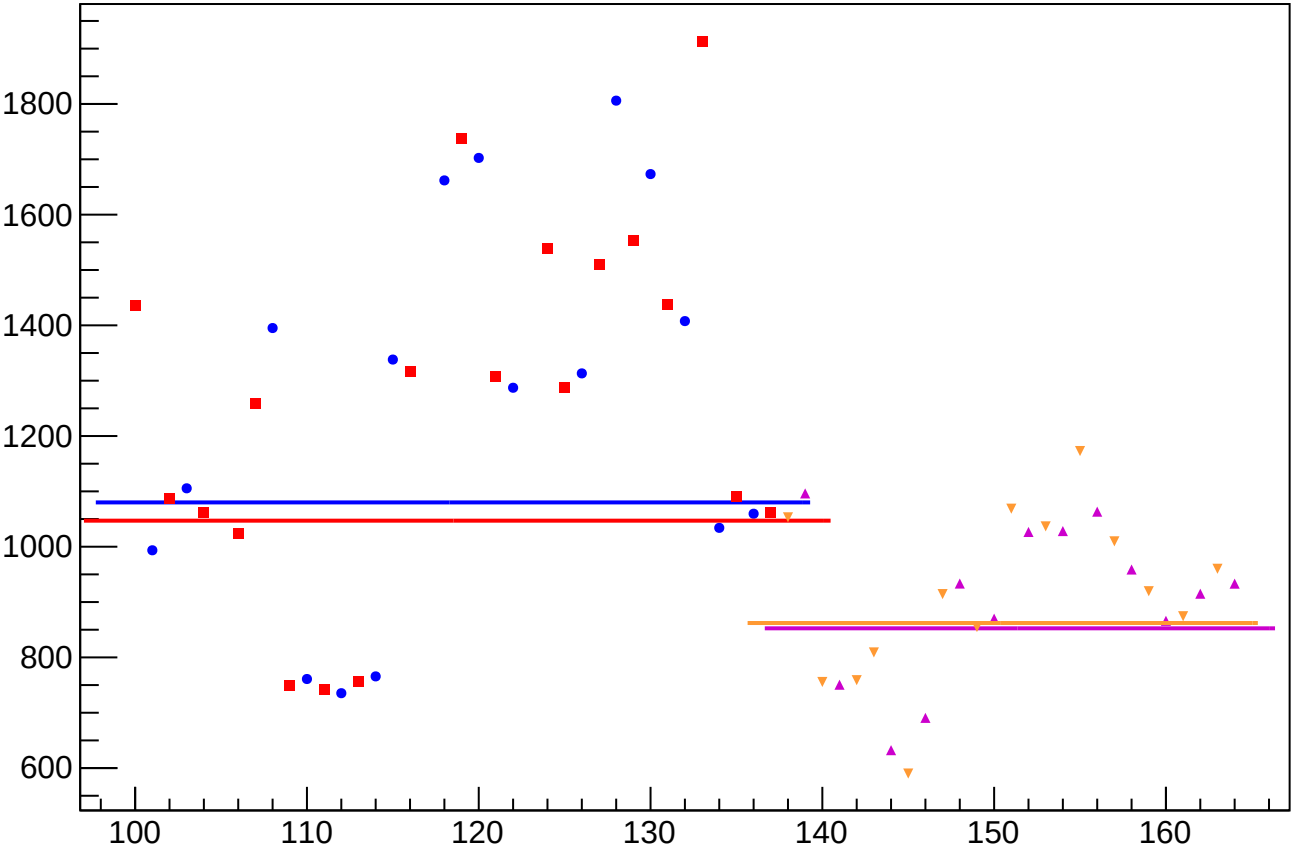
Left In: -274.690+/-262.241 χ^2/NDF:7.3/12

+ sign -1092.222+/-222.722 χ^2/NDF: 57.4/29

All: -786.601+/-156.317 χ^2/NDF: 83.4/61

- 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: 862.138+/-0.186 χ^2/NDF:735912.8/13

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

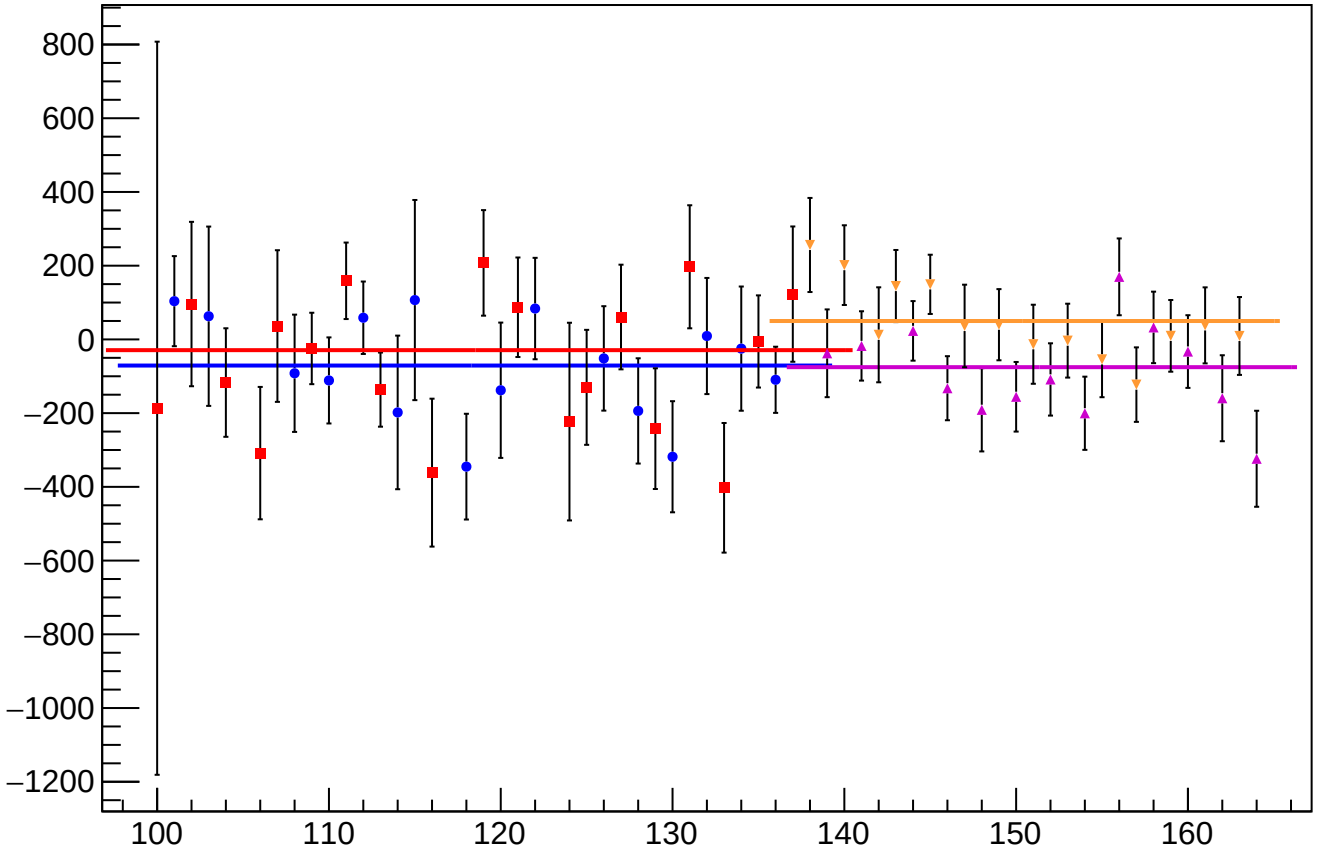
Left In: 852.527+/-0.185 χ^2/NDF:642023.1/12

+ sign 923.539+/-0.157 χ^2/NDF: 2176824.0/29

All: 917.095+/-0.111 χ^2/NDF: 4350705.9/61

- 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: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

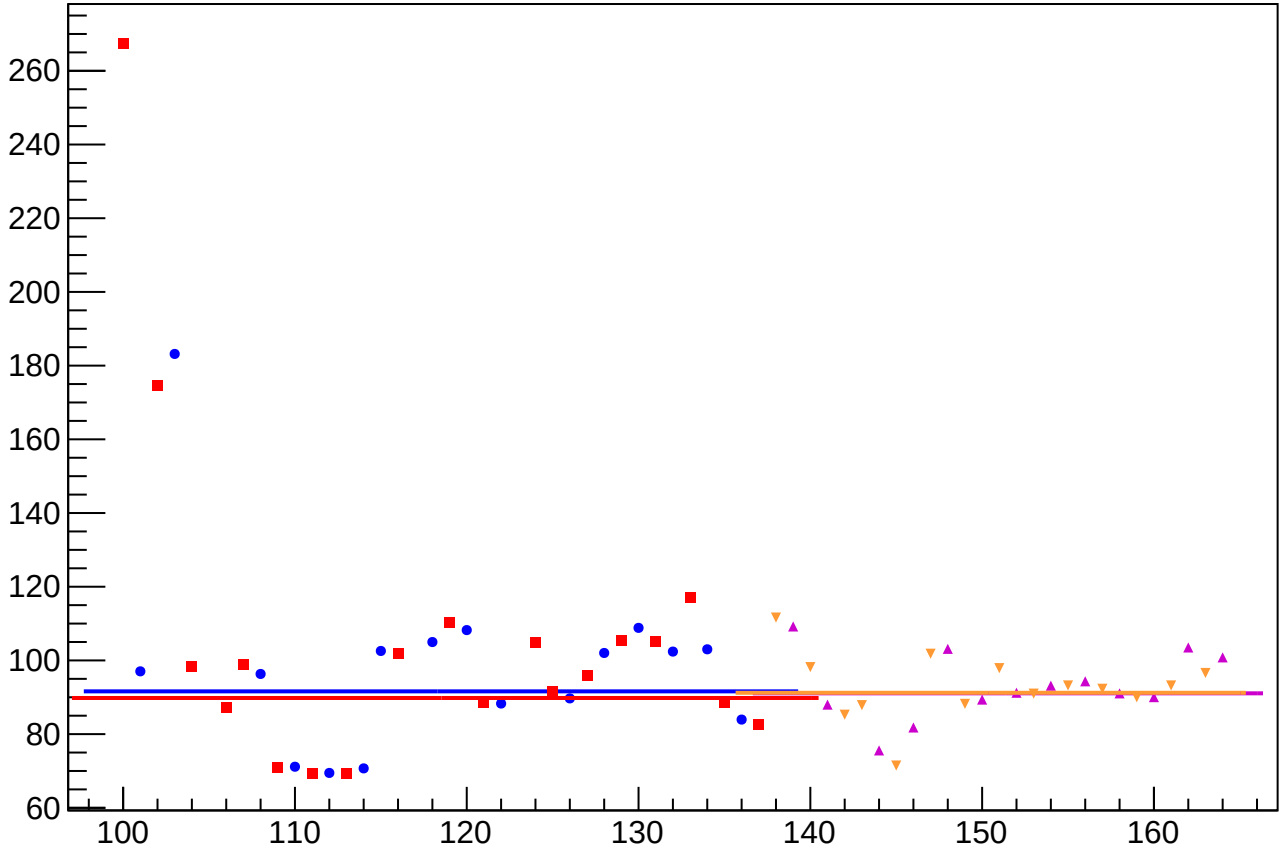
Left In: -75.292+/-27.744 χ^2/NDF:17.0/12

+ sign 3.982+/-21.652 χ^2/NDF: 33.4/29

All: -26.648+/-15.277 χ^2/NDF: 79.5/61

- 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: 91.218+/-0.019 χ^2/NDF:221664.4/13

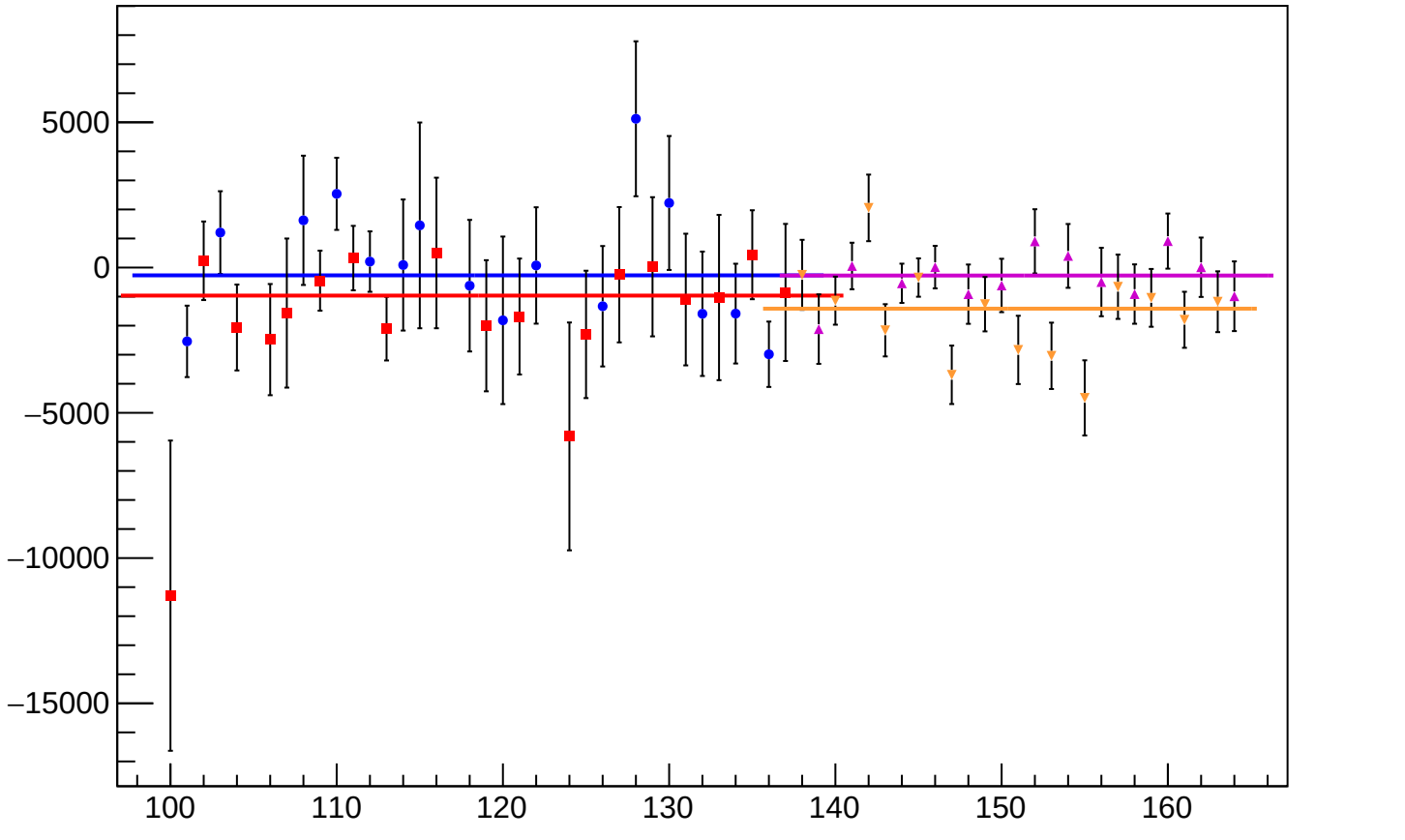
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.367+/-0.015 χ^2/NDF: 802492.8/29

All: 90.967+/-0.011 χ^2/NDF: 1757784.1/61

- 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: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

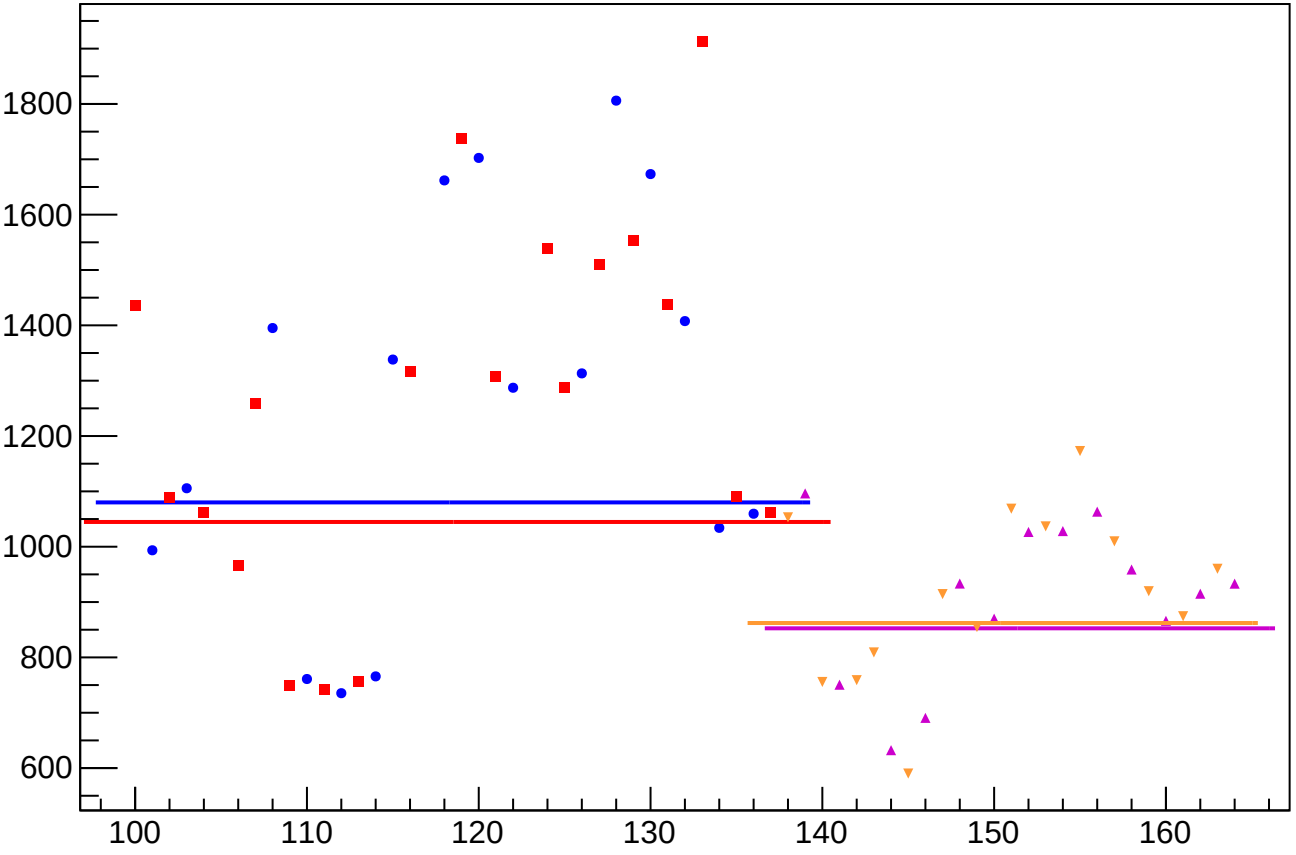
Left In: -274.695+/-262.241 χ^2/NDF:7.3/12

+ sign -1092.229+/-222.722 χ^2/NDF: 57.4/29

All: -782.283+/-156.365 χ^2/NDF: 82.7/61

- 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: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

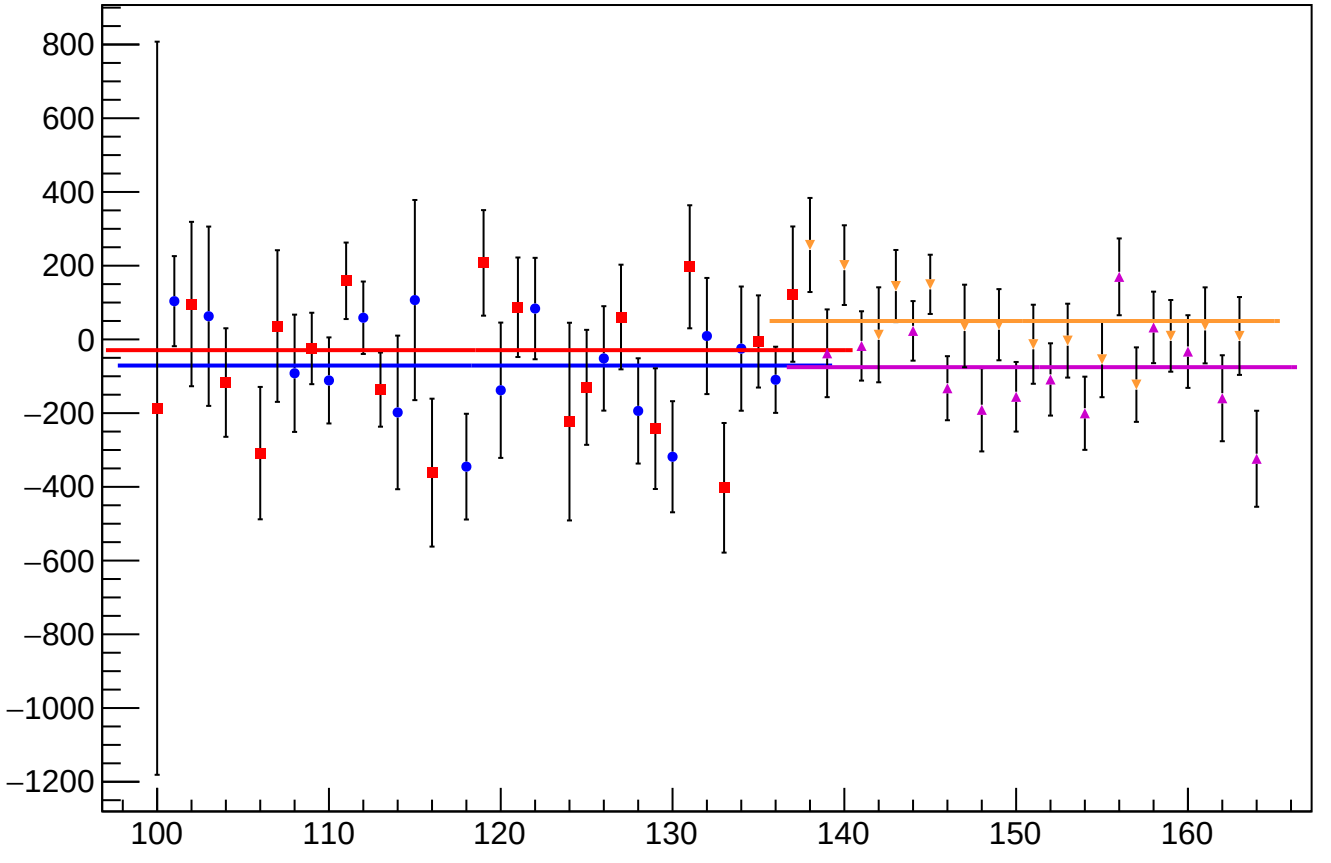
Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

\+ sign 923.540+/-0.157 χ^2/NDF: 2176860.0/29

All: 916.660+/-0.111 χ^2/NDF: 4345550.1/61

\- 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: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

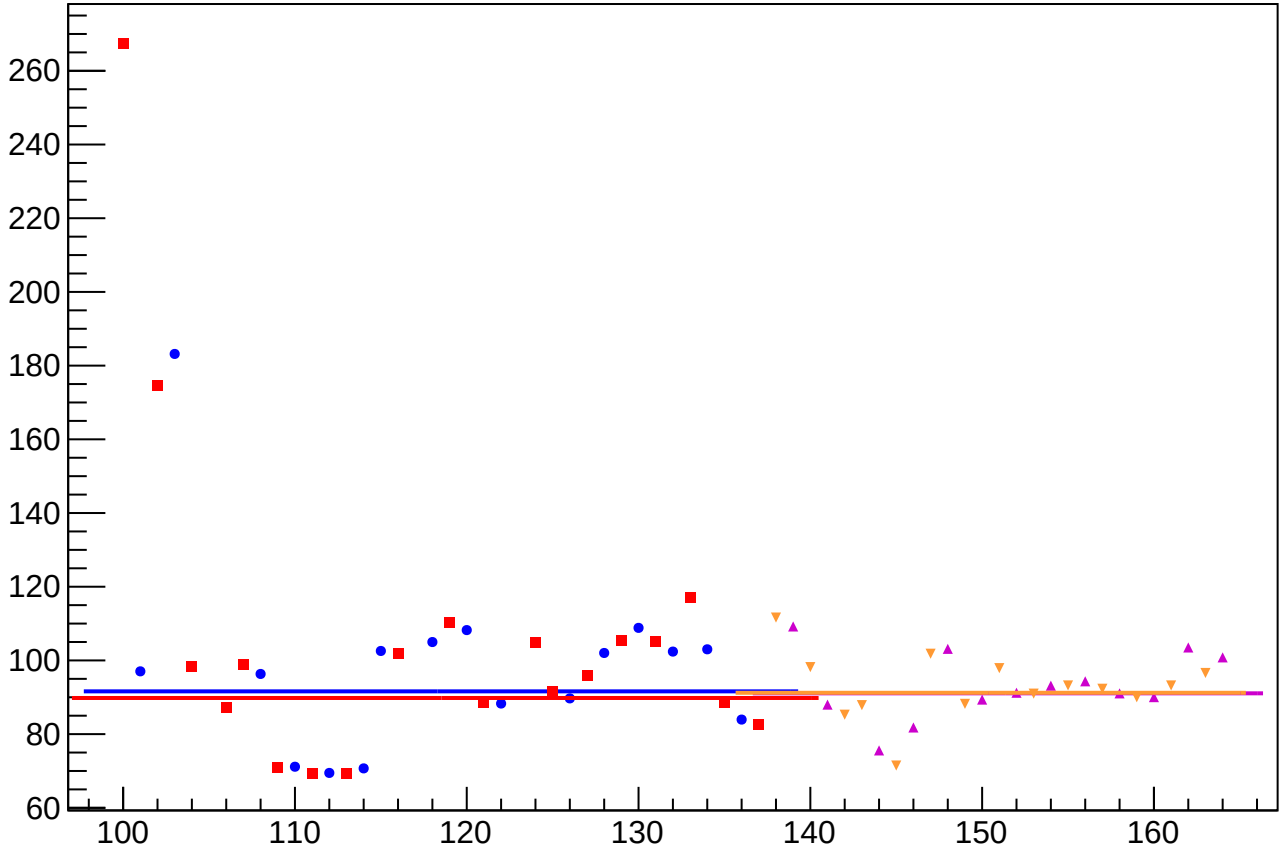
Left In: -75.292+/-27.744 χ^2/NDF:17.0/12

+ sign 3.982+/-21.652 χ^2/NDF: 33.4/29

All: -26.648+/-15.277 χ^2/NDF: 79.5/61

- 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: 91.218+/-0.019 χ^2/NDF:221664.4/13

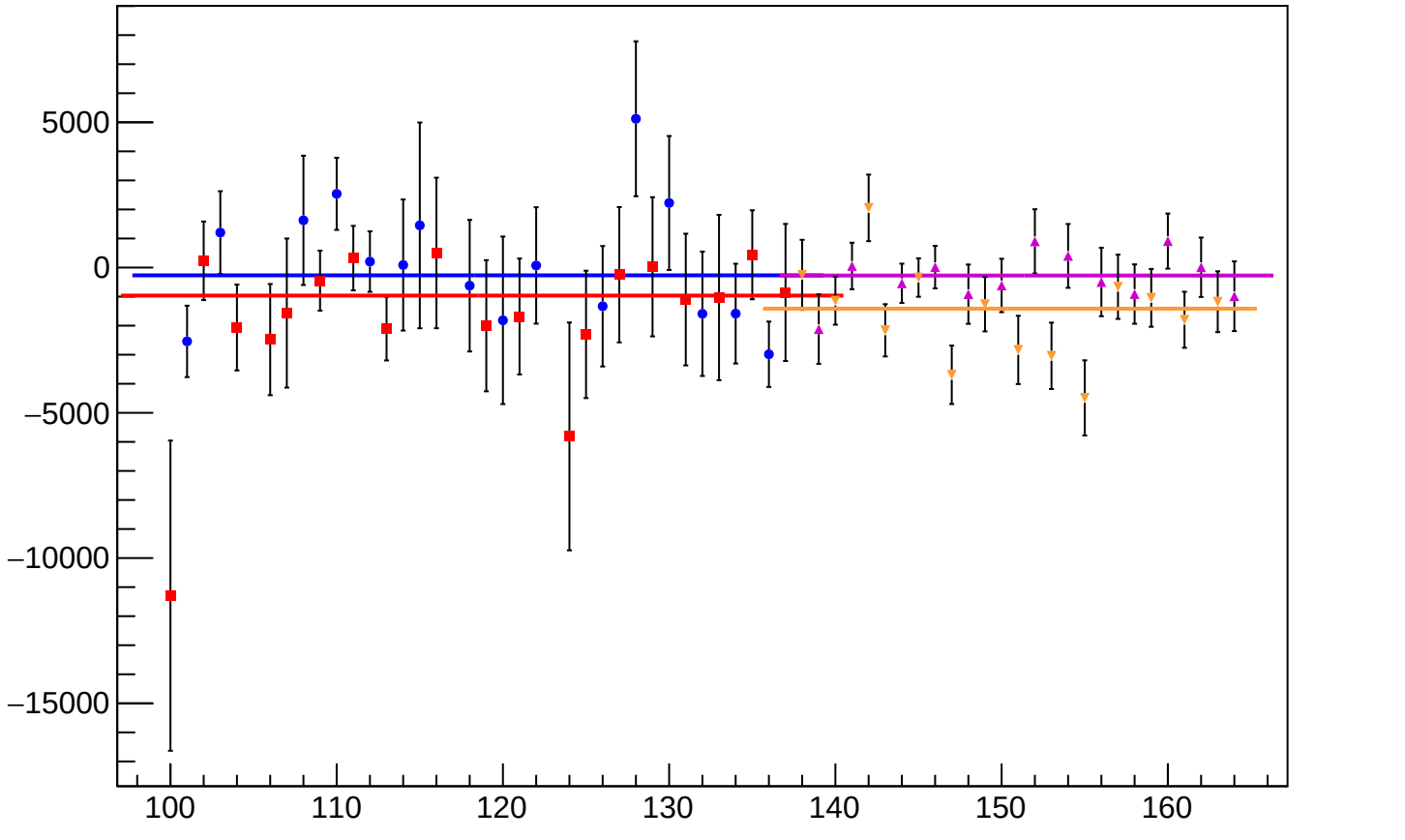
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.367+/-0.015 χ^2/NDF: 802492.8/29

All: 90.967+/-0.011 χ^2/NDF: 1757784.1/61

- 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: -1415.385+/-262.804 χ^2/NDF:28.6/13

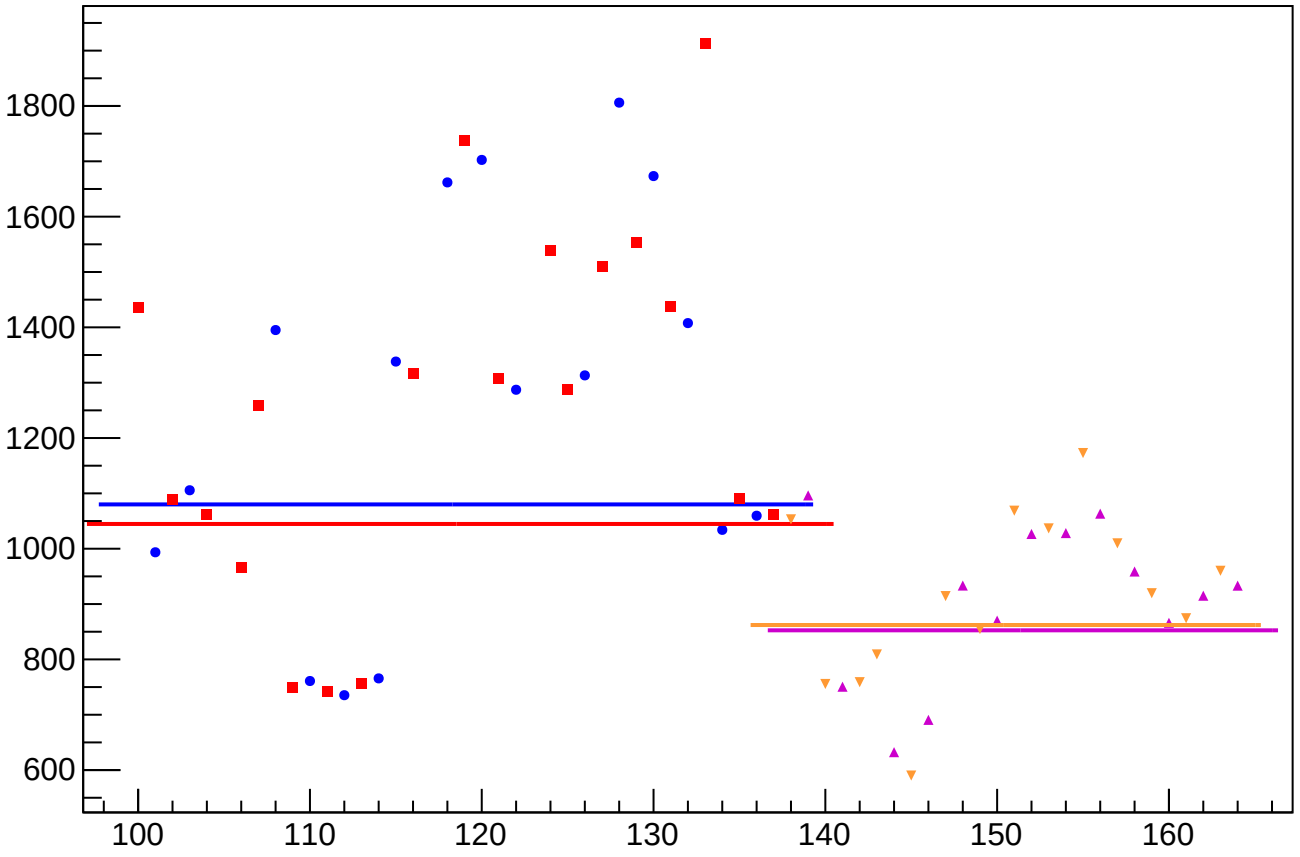
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -274.695+/-262.241 χ^2/NDF:7.3/12

+ sign -1092.229+/-222.722 χ^2/NDF: 57.4/29

All: -782.283+/-156.365 χ^2/NDF: 82.7/61

- 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: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

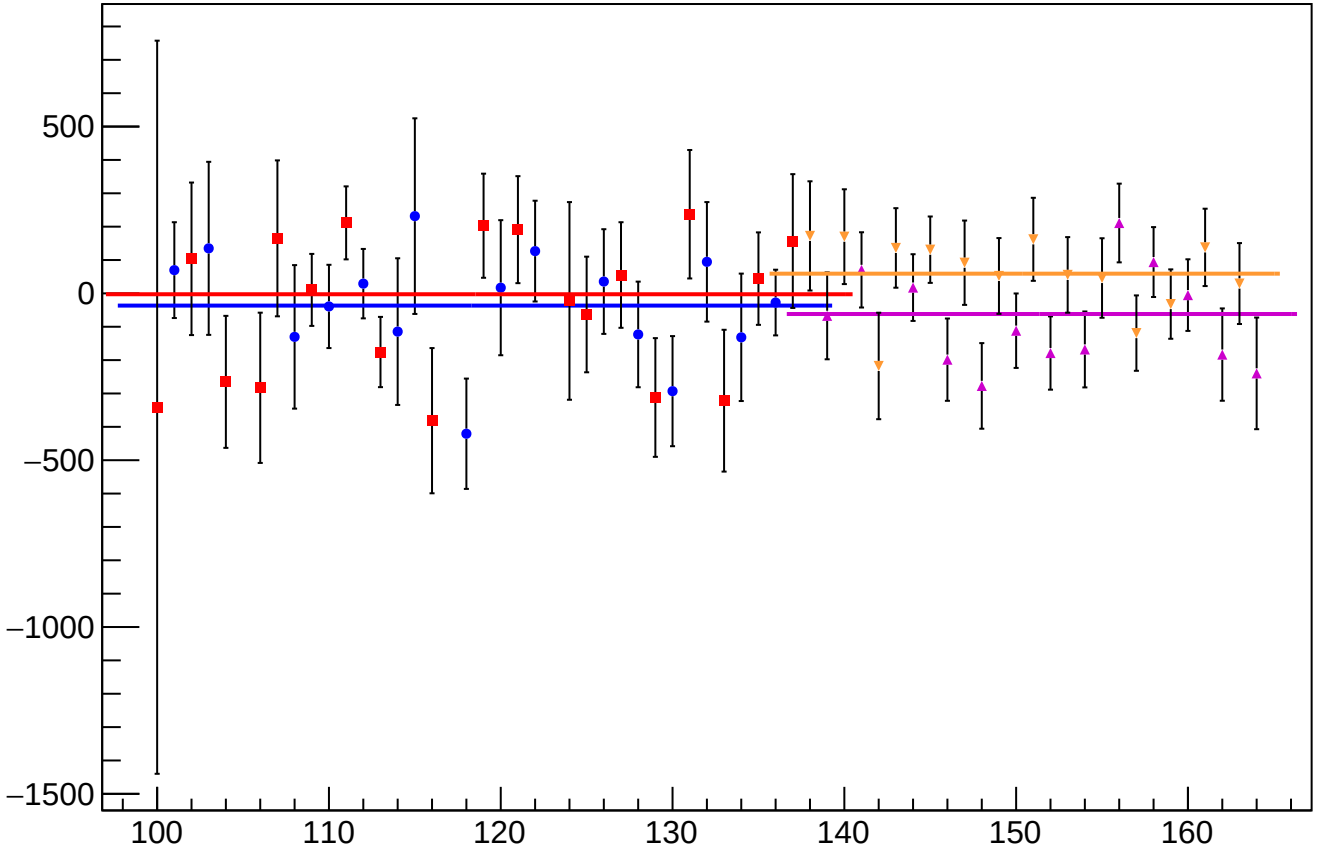
Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

+ sign 923.540+/-0.157 χ^2/NDF: 2176860.0/29

All: 916.660+/-0.111 χ^2/NDF: 4345550.1/61

- 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: 59.086+/-32.208 χ^2/NDF:9.6/13

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

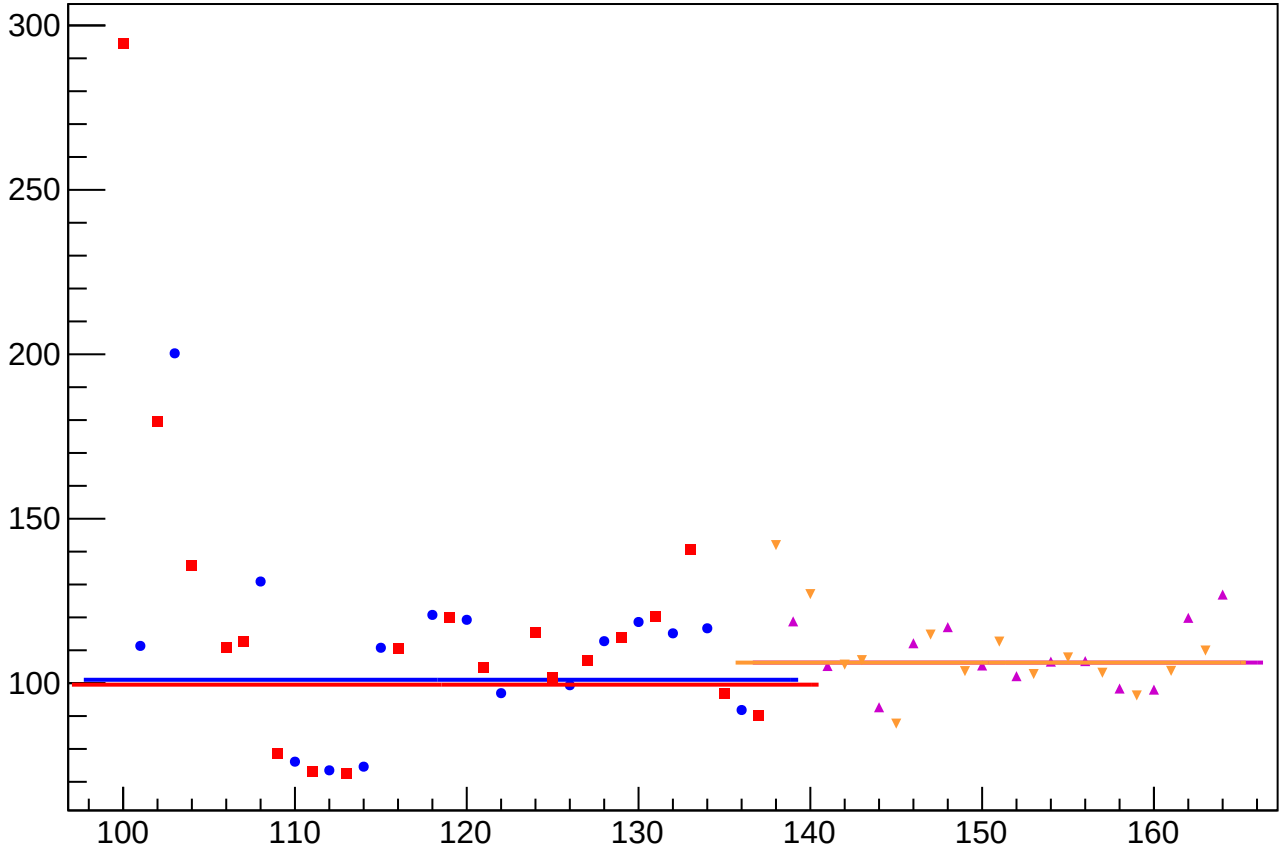
Left In: -61.810+/-32.577 χ^2/NDF:18.0/12

+ sign 20.280+/-24.832 χ^2/NDF: 26.0/29

All: -8.342+/-17.540 χ^2/NDF: 72.8/61

- 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: 106.252+/-0.023 χ^2/NDF:248272.8/13

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

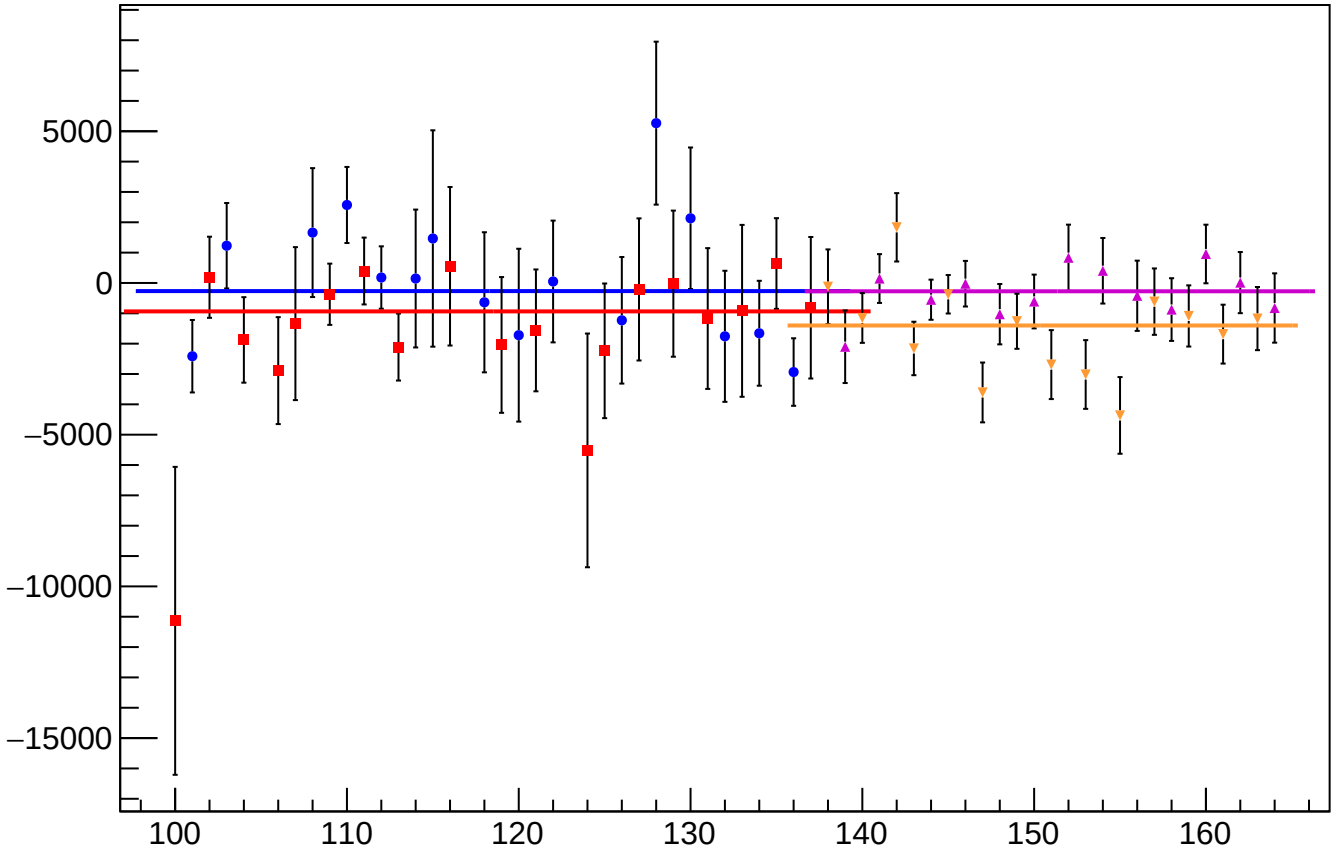
Left In: 106.261+/-0.023 χ^2/NDF:150242.4/12

+ sign 104.134+/-0.018 χ^2/NDF: 985681.6/29

All: 103.782+/-0.012 χ^2/NDF: 2053035.7/61

- 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: -1401.029+/-258.699 χ^2/NDF:27.4/13

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

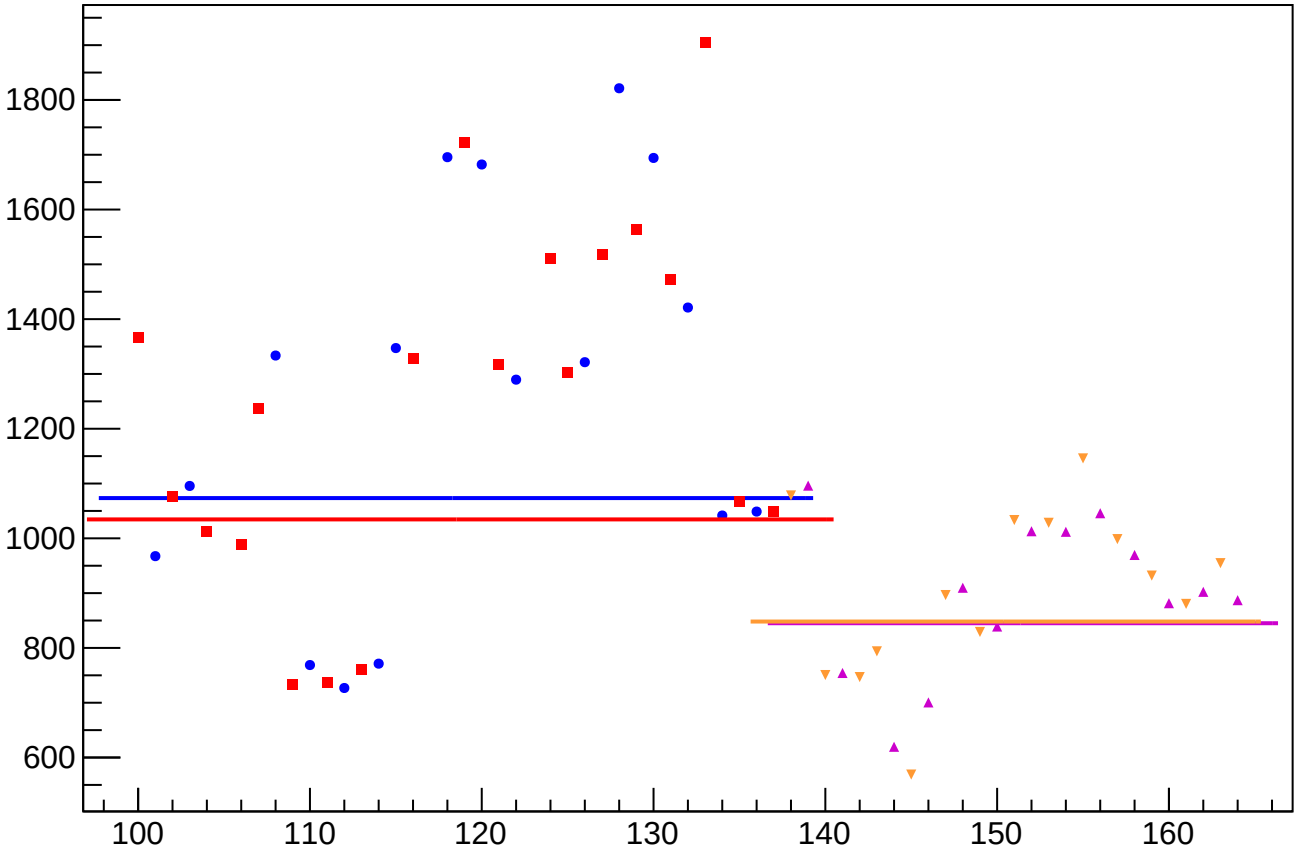
Left In: -273.998+/-259.999 χ^2/NDF:7.3/12

+ sign -1086.181+/-219.841 χ^2/NDF: 56.2/29

All: -776.374+/-154.573 χ^2/NDF: 82.5/61

- 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: 848.144+/-0.183 χ^2/NDF:805698.0/13

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

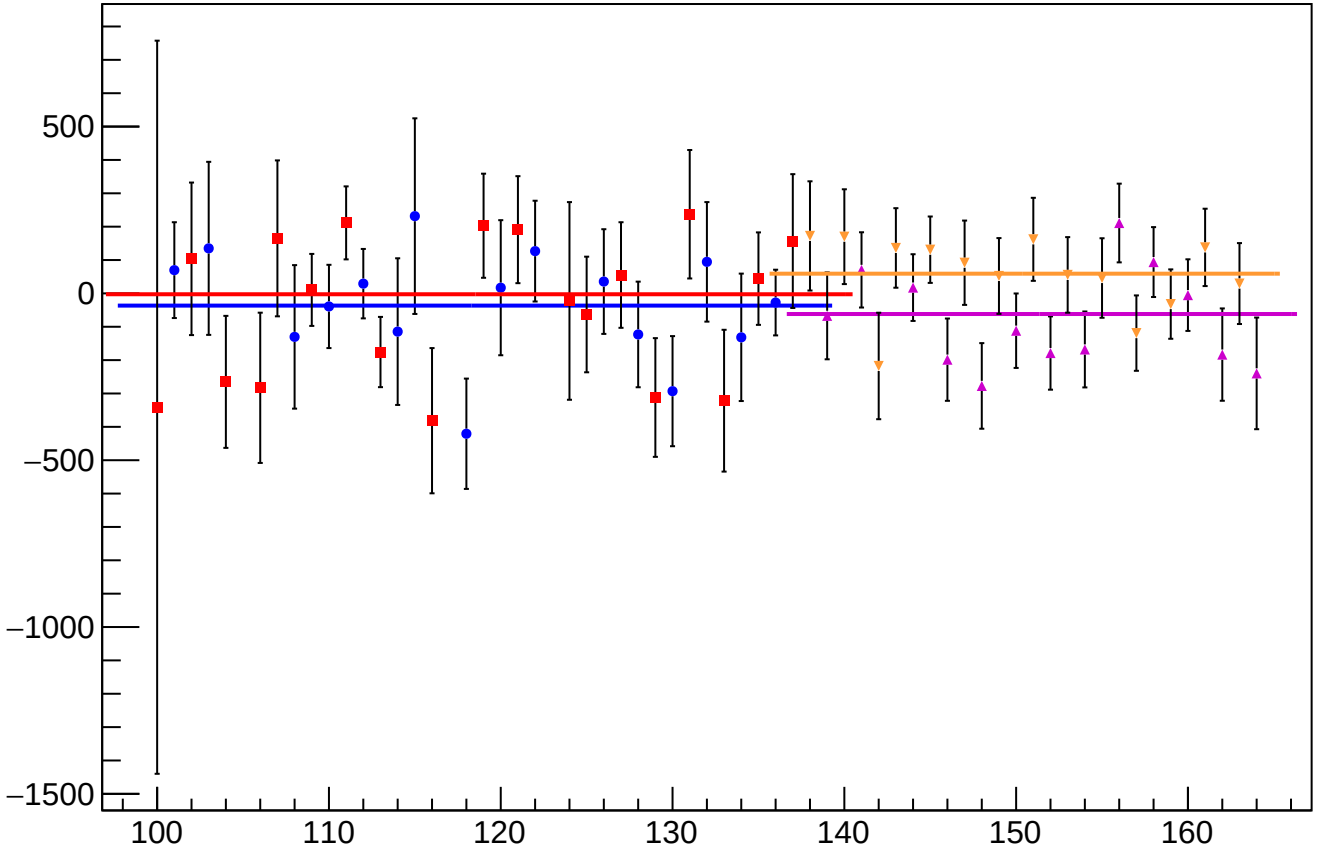
Left In: 845.076+/-0.184 χ^2/NDF:625085.1/12

\+ sign 910.748+/-0.155 χ^2/NDF: 2304276.7/29

All: 906.375+/-0.109 χ^2/NDF: 4479901.4/61

\- 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: 59.089+/-32.209 χ^2/NDF:9.6/13

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

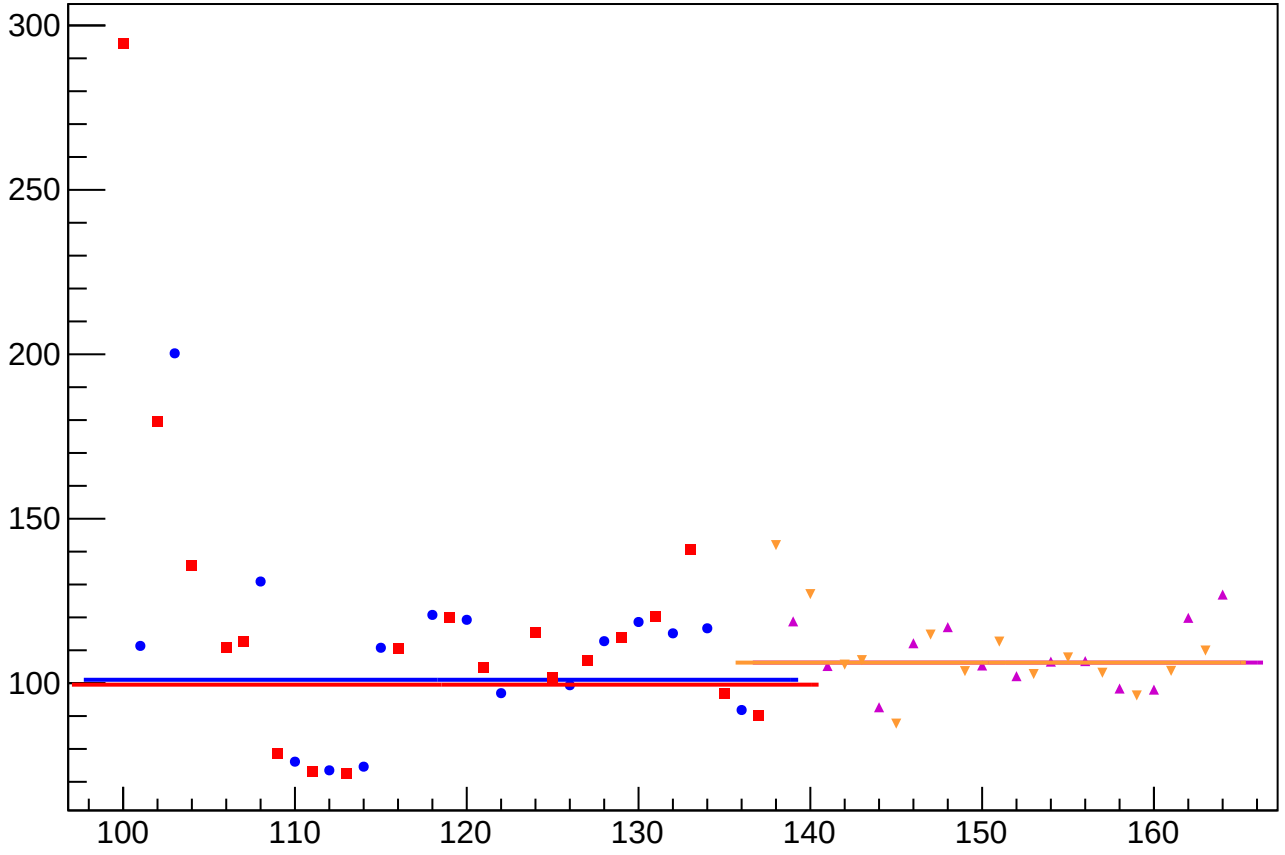
Left In: -61.810+/-32.577 χ^2/NDF:18.0/12

+ sign 20.282+/-24.832 χ^2/NDF: 26.0/29

All: -8.341+/-17.540 χ^2/NDF: 72.8/61

- 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: 106.252+/-0.023 χ^2/NDF:248267.7/13

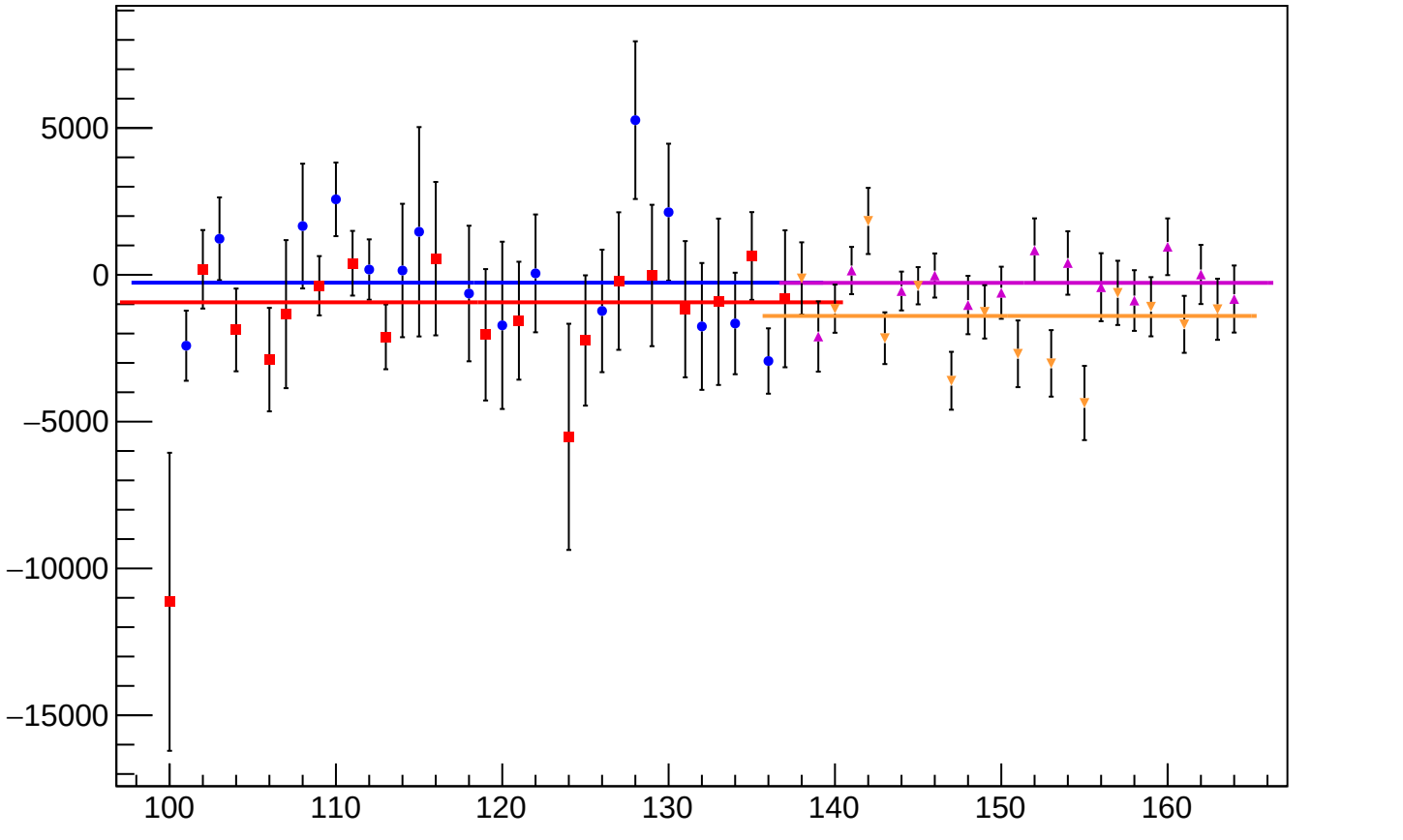
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.262+/-0.023 χ^2/NDF:150241.4/12

+ sign 104.135+/-0.018 χ^2/NDF: 985677.5/29

All: 103.782+/-0.012 χ^2/NDF: 2053035.0/61

- sign 103.432+/-0.018 χ^2/NDF: 1066554.2/31



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.027+/-258.699 χ^2/NDF:27.4/13

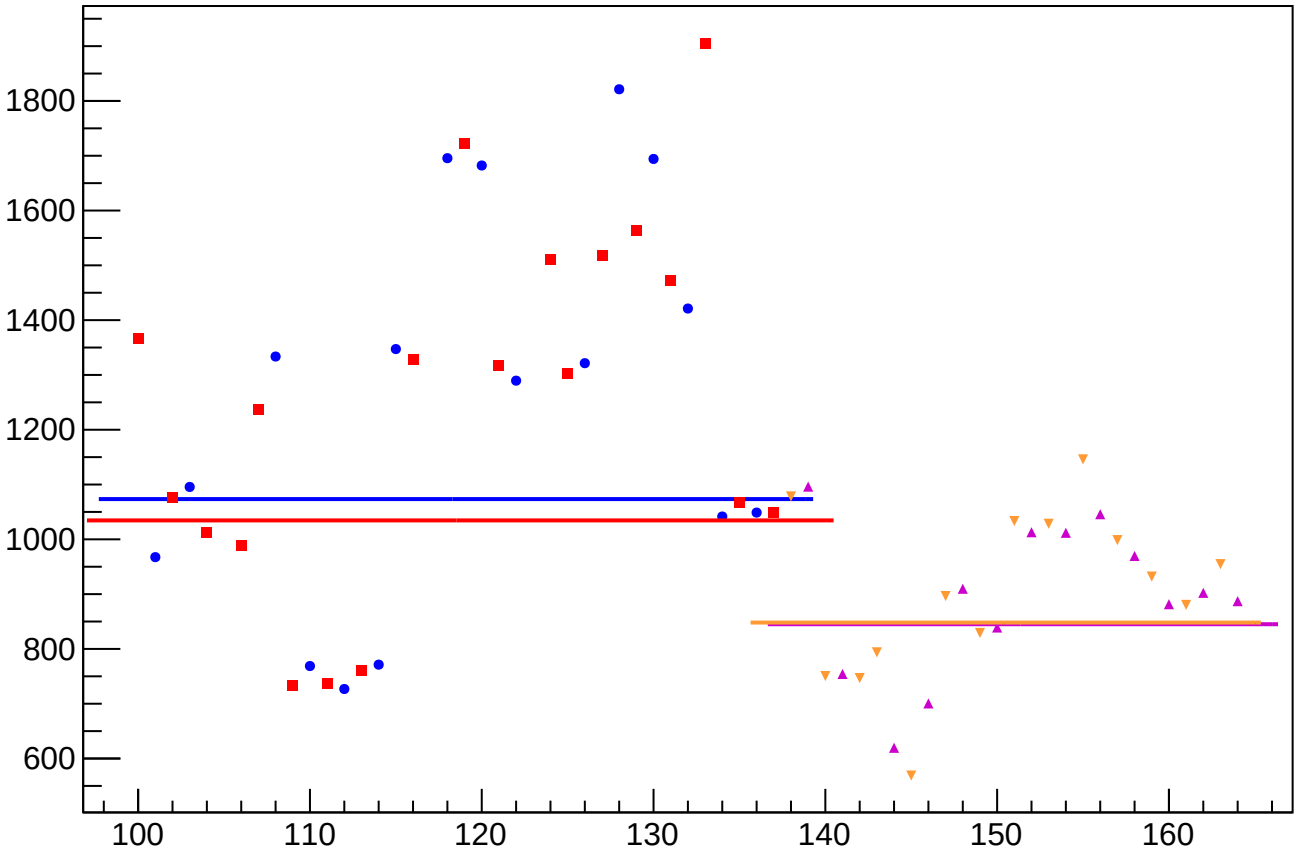
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -273.997+/-259.999 χ^2/NDF:7.3/12

+ sign -1086.180+/-219.840 χ^2/NDF: 56.2/29

All: -776.373+/-154.573 χ^2/NDF: 82.5/61

- sign -473.464+/-217.379 χ^2/NDF: 22.4/31



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 848.143+/-0.183 χ^2/NDF:805700.9/13

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

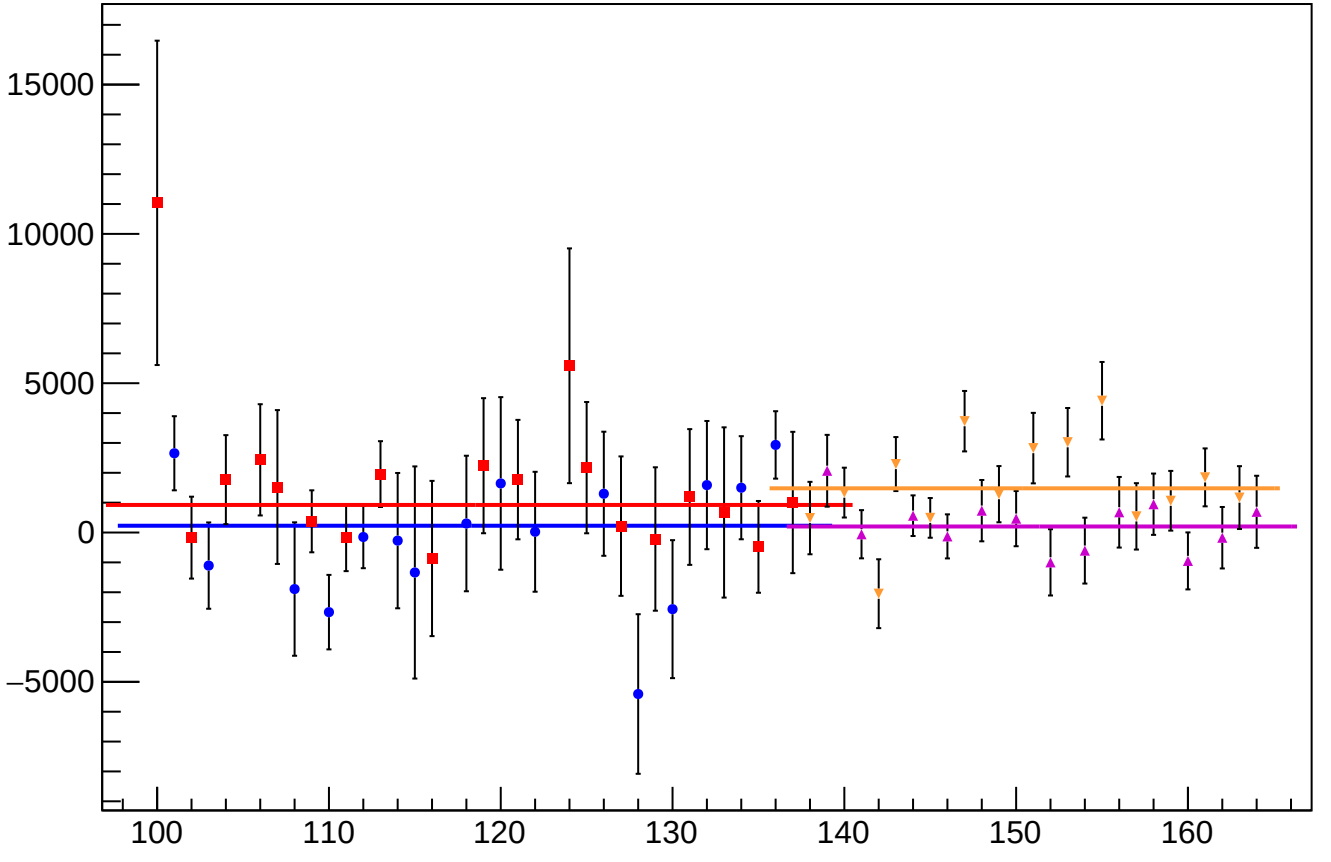
Left In: 845.075+/-0.184 χ^2/NDF:625083.7/12

+ sign 910.746+/-0.155 χ^2/NDF: 2304284.4/29

All: 906.373+/-0.109 χ^2/NDF: 4479908.7/61

- 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: 1480.764+/-264.369 χ^2/NDF:27.4/13

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

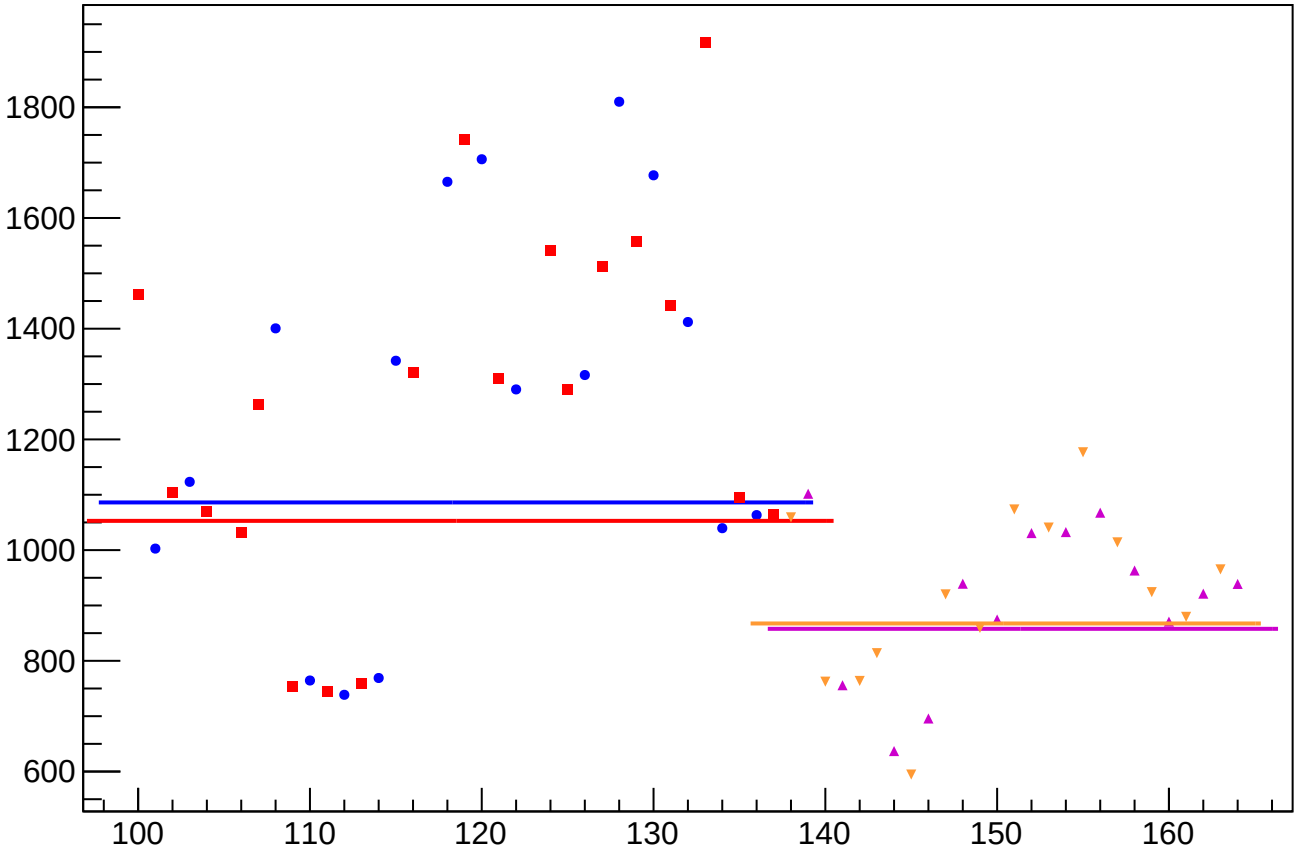
Left In: 202.345+/-263.809 χ^2/NDF:7.5/12

+ sign 1127.340+/-224.013 χ^2/NDF: 58.2/29

All: 767.776+/-157.231 χ^2/NDF: 84.2/61

- 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: 867.479+/-0.187 χ^2/NDF:726378.5/13

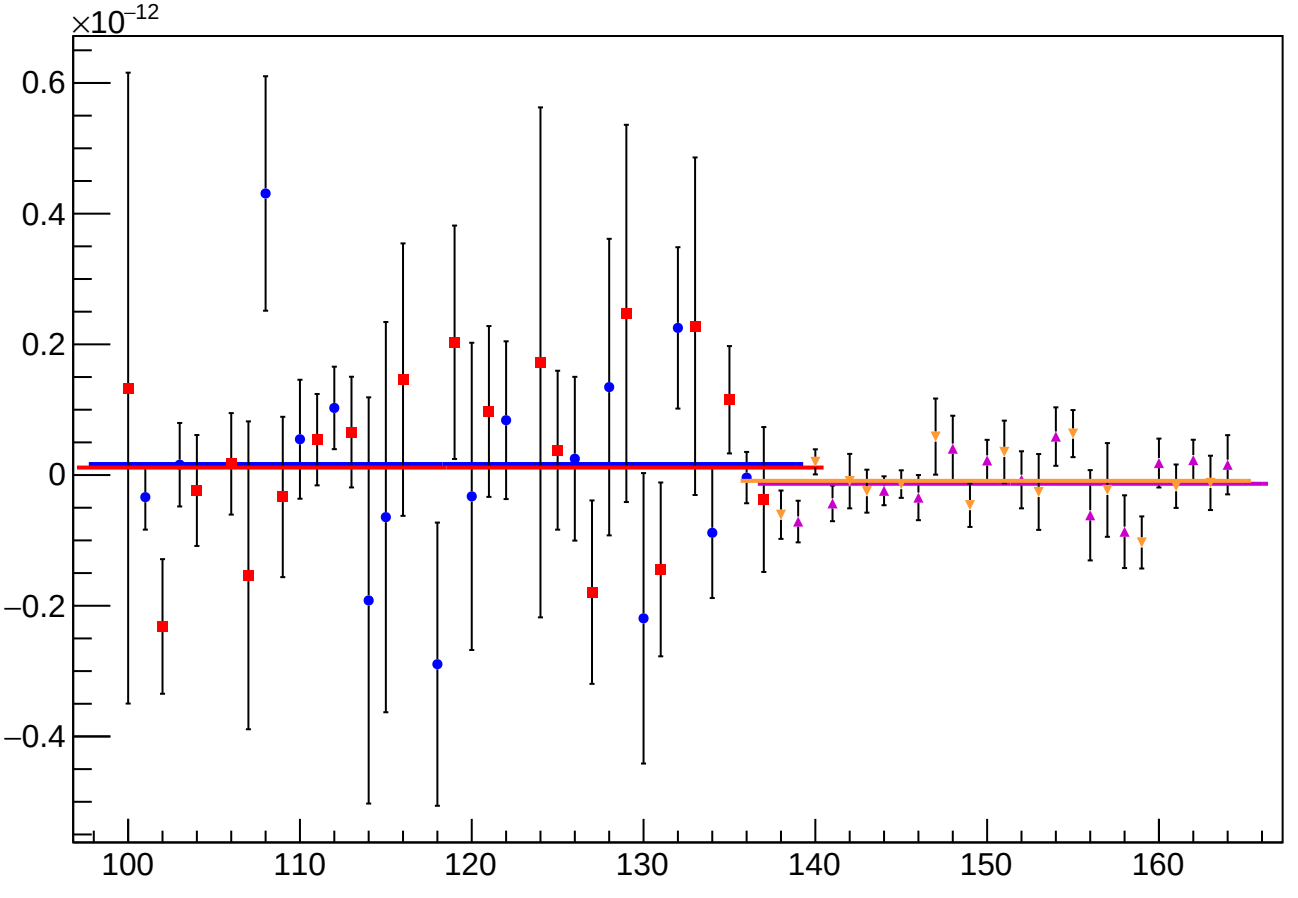
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 857.795+/-0.187 χ^2/NDF:634340.4/12

+ sign 929.141+/-0.158 χ^2/NDF: 2159686.6/29

All: 922.616+/-0.111 χ^2/NDF: 4319592.3/61

- 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:17.8/13

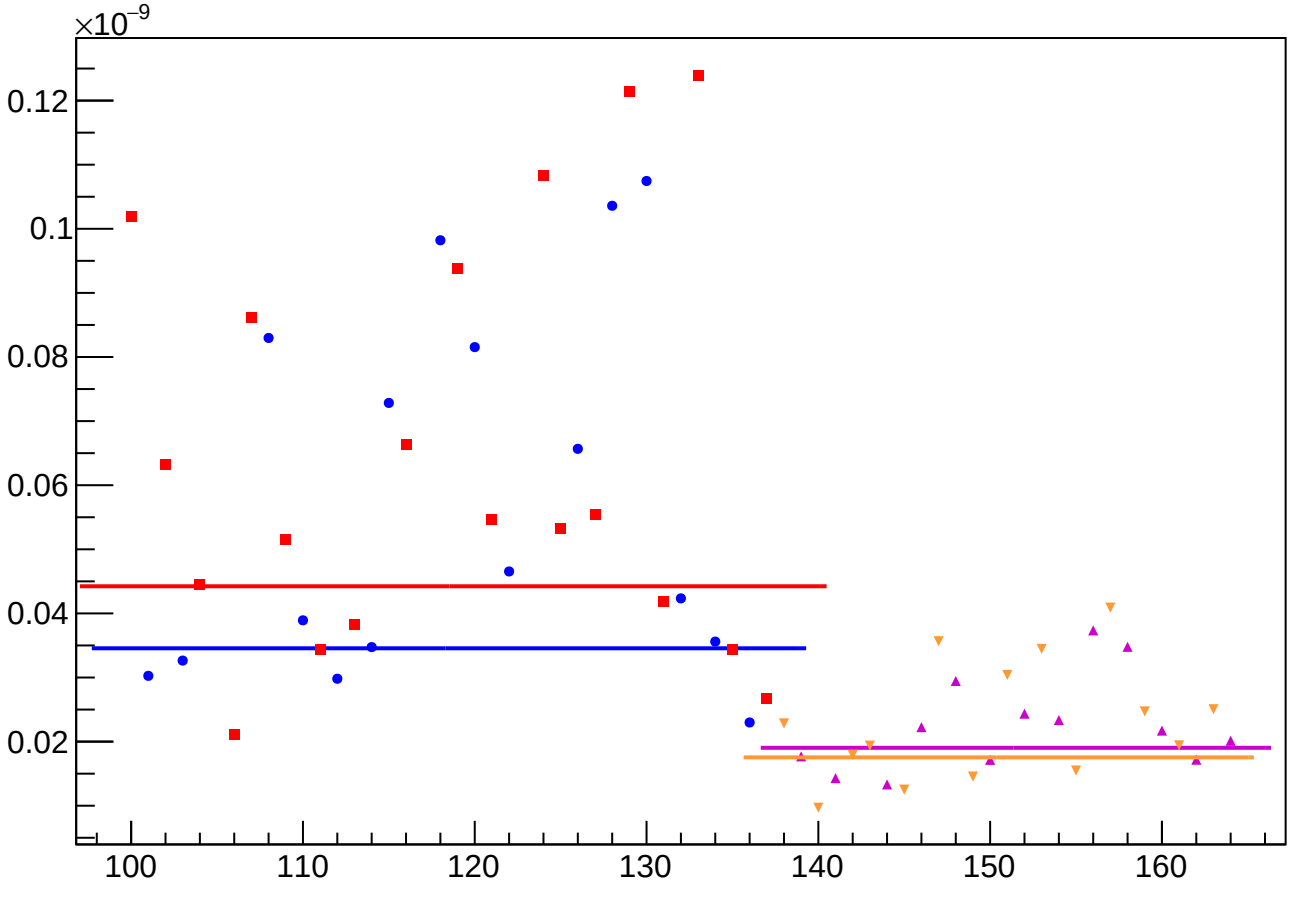
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 67.5/61

- 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:1374222.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

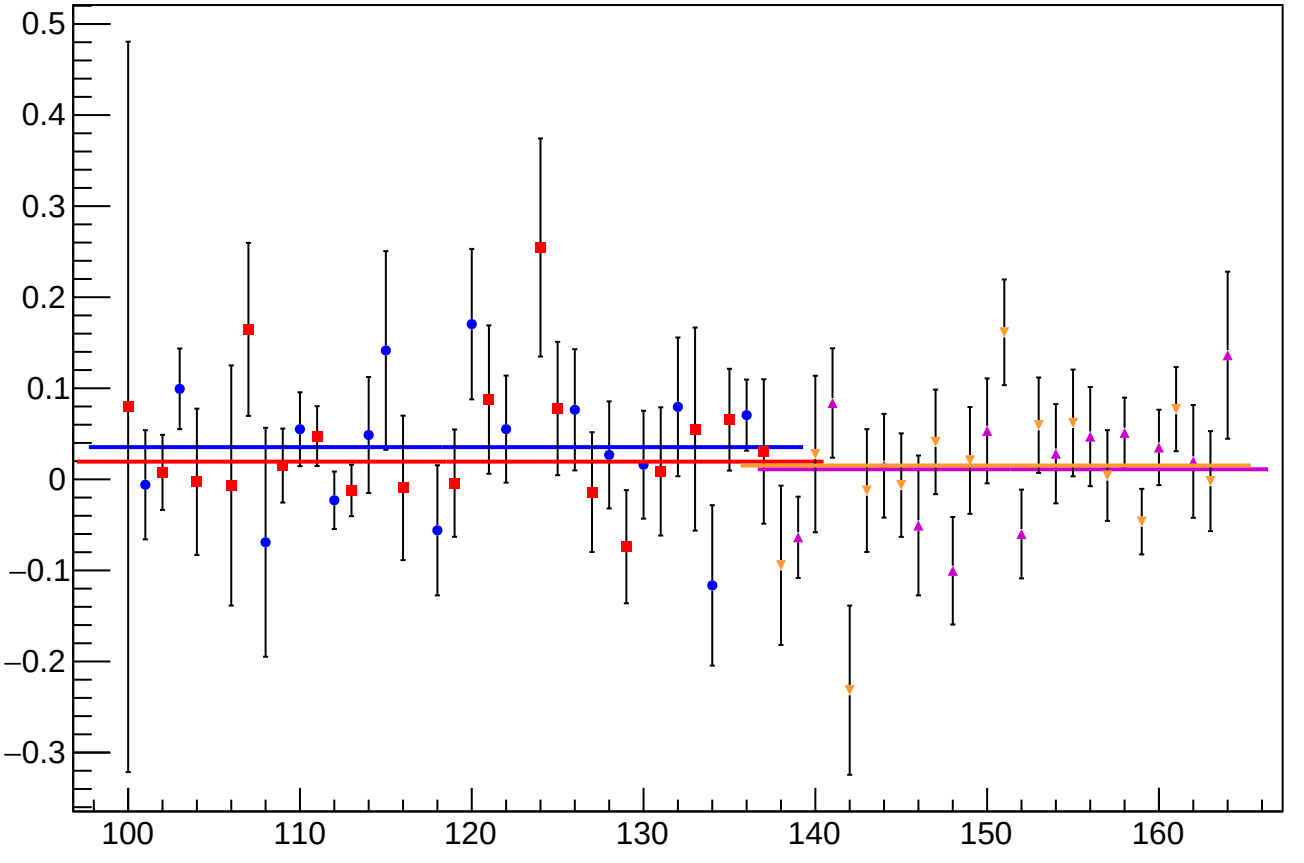
Left In: 0.000+/-0.000 χ^2/NDF:674552.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 3600672.9/29

All: 0.000+/-0.000 χ^2/NDF: 6947256.7/61

- 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: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

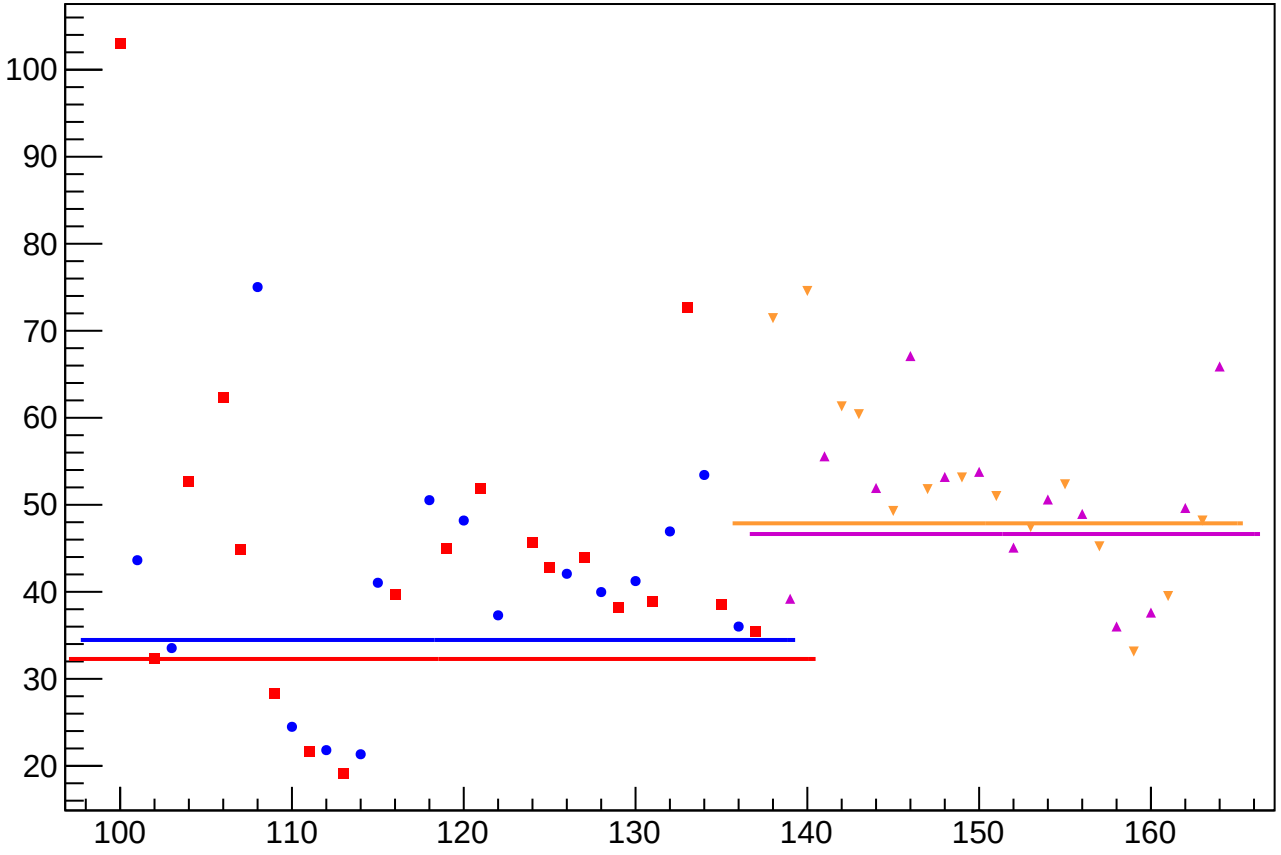
Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.021+/-0.007 χ^2/NDF: 68.7/61

- 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: 47.872+/-0.011 χ^2/NDF:900138.1/13

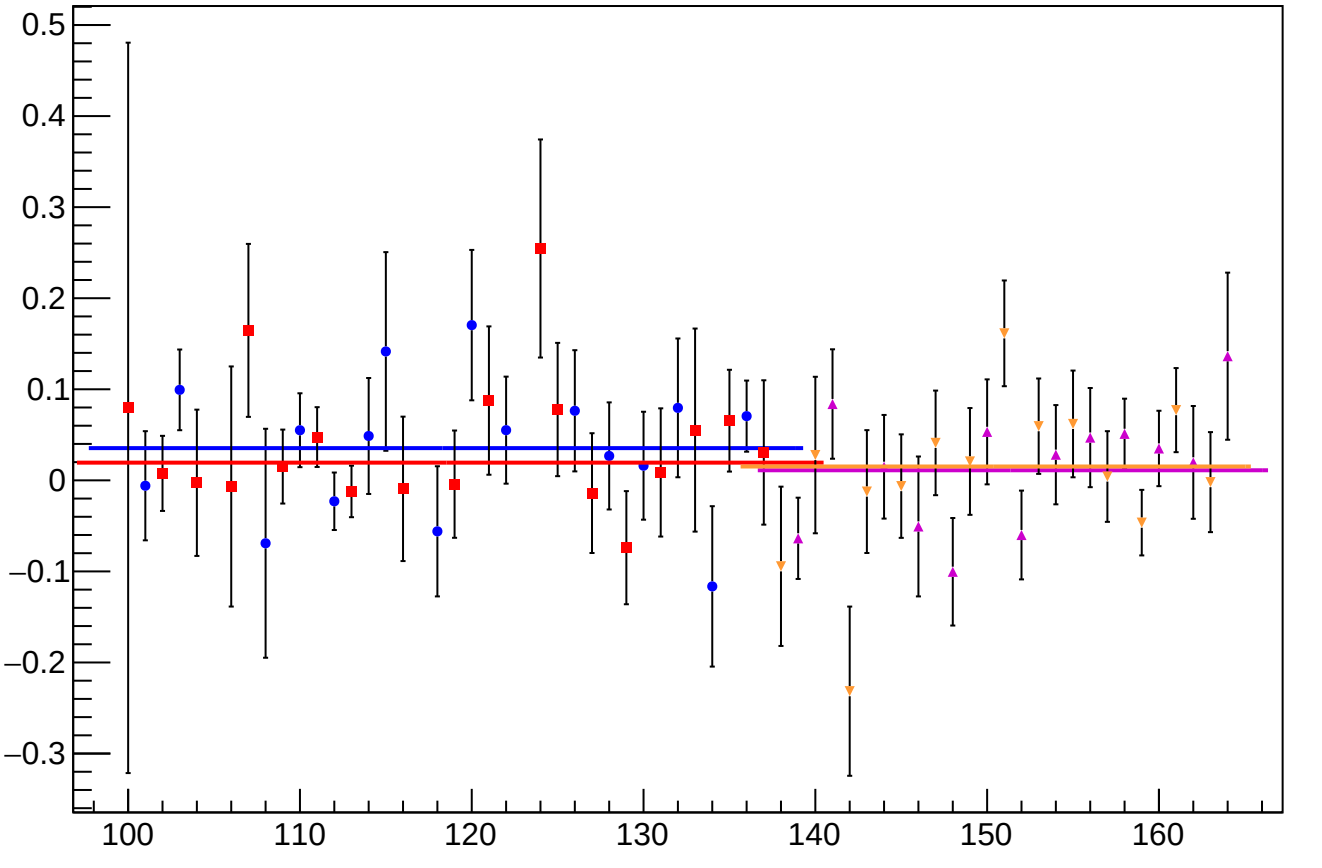
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

+ sign 40.648+/-0.007 χ^2/NDF: 2929963.4/29

All: 39.591+/-0.005 χ^2/NDF: 6369026.8/61

- sign 38.612+/-0.007 χ^2/NDF: 3397667.4/31



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

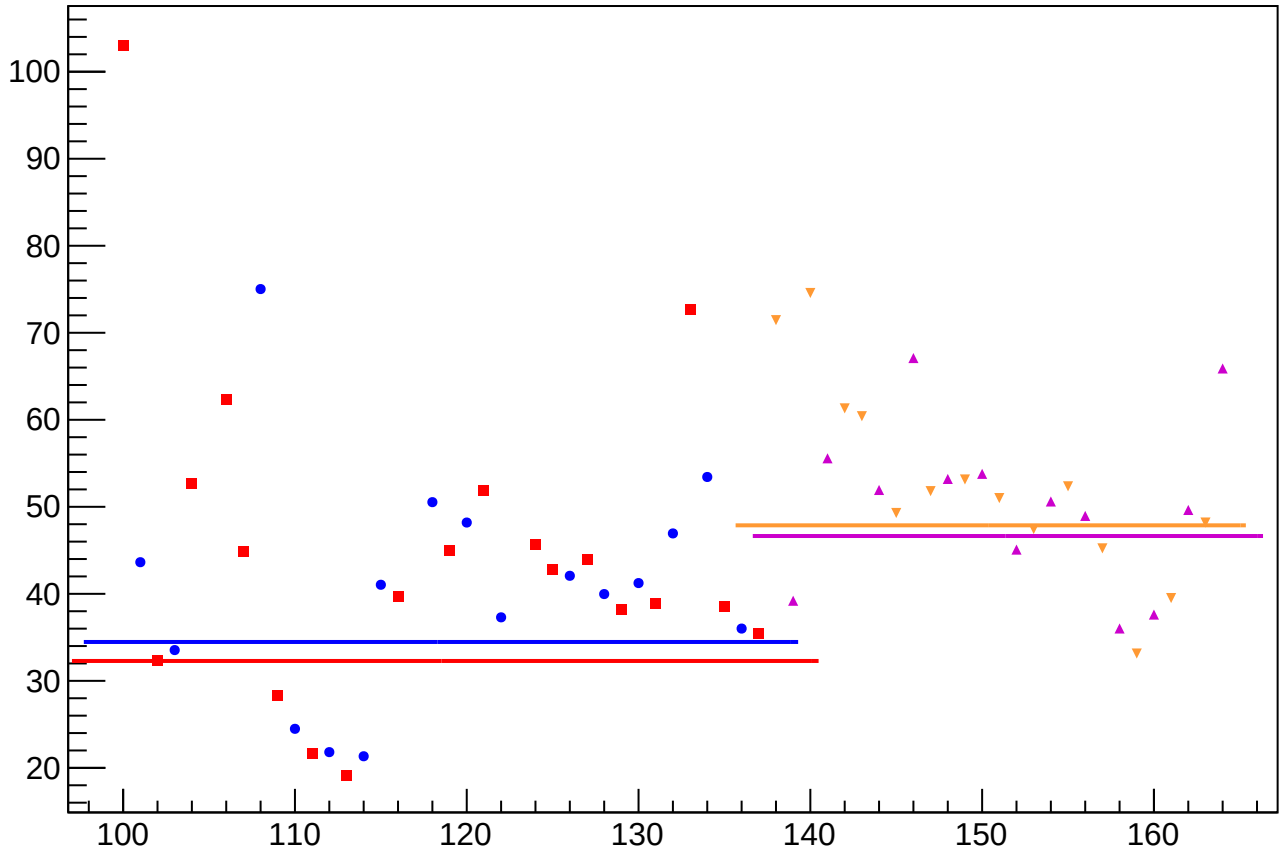
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.021+/-0.007 χ^2/NDF: 68.7/61

- sign 0.016+/-0.010 χ^2/NDF: 28.5/31



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

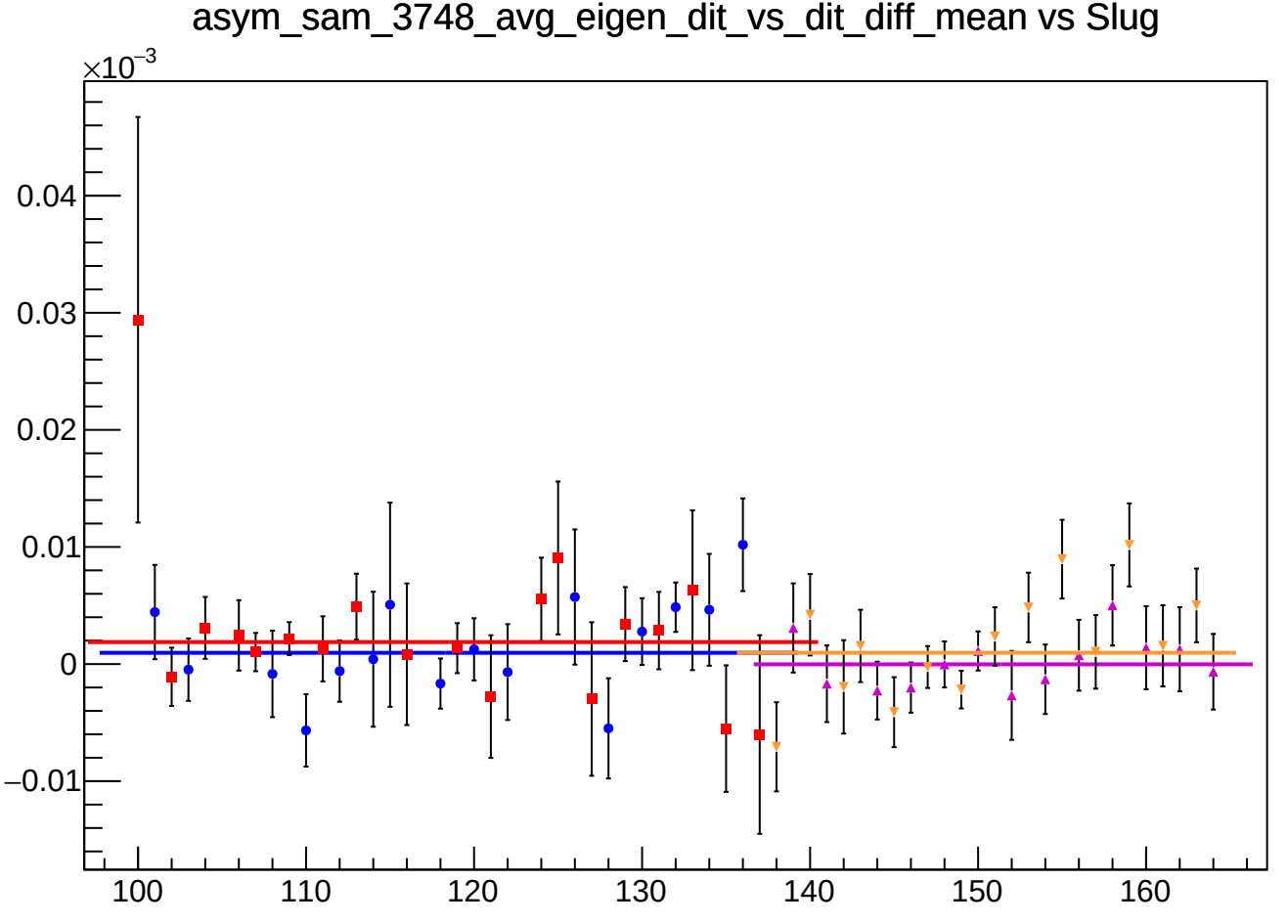
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

+ sign 40.648+/-0.007 χ^2/NDF: 2929963.4/29

All: 39.591+/-0.005 χ^2/NDF: 6369026.8/61

- 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:29.2/13

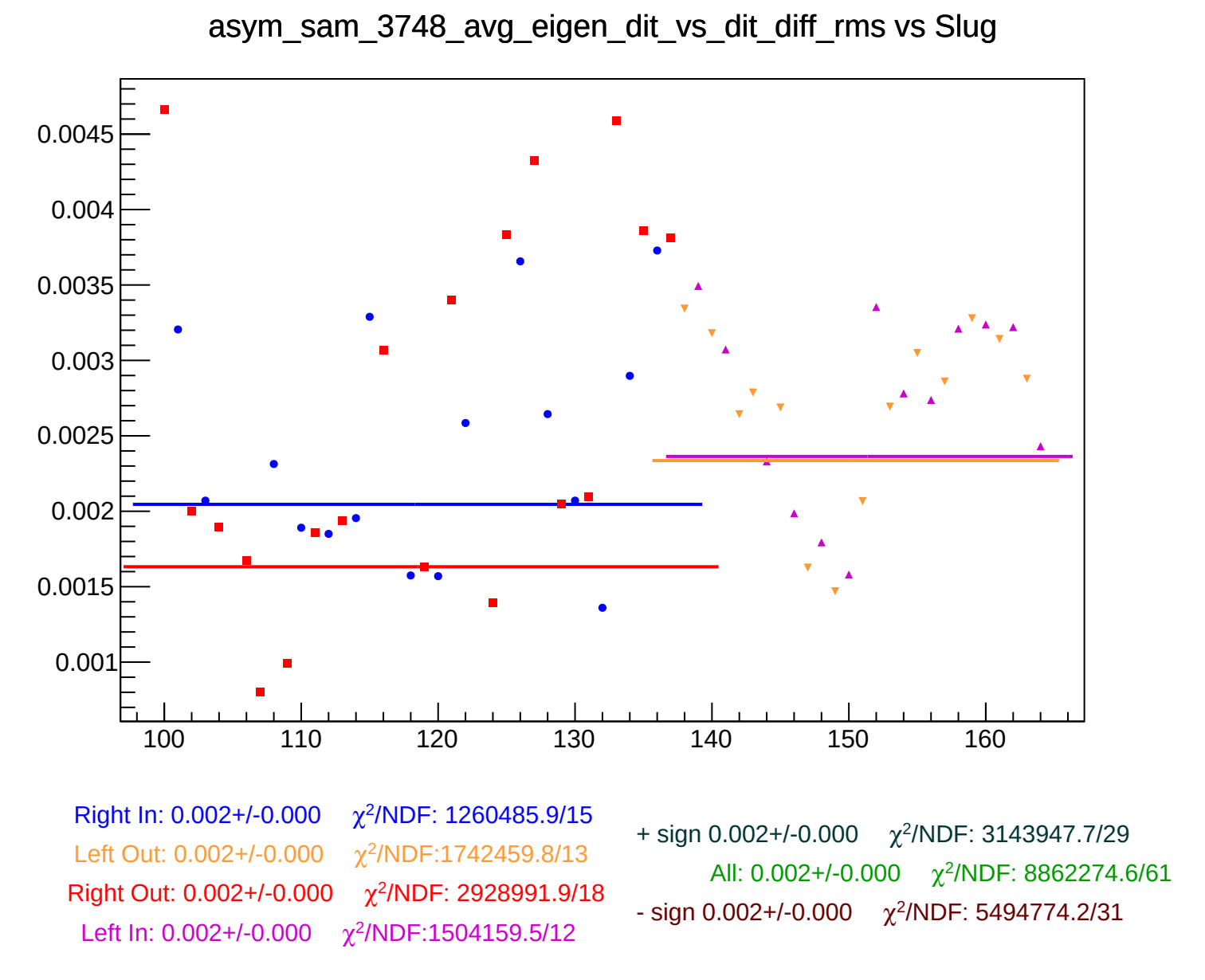
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

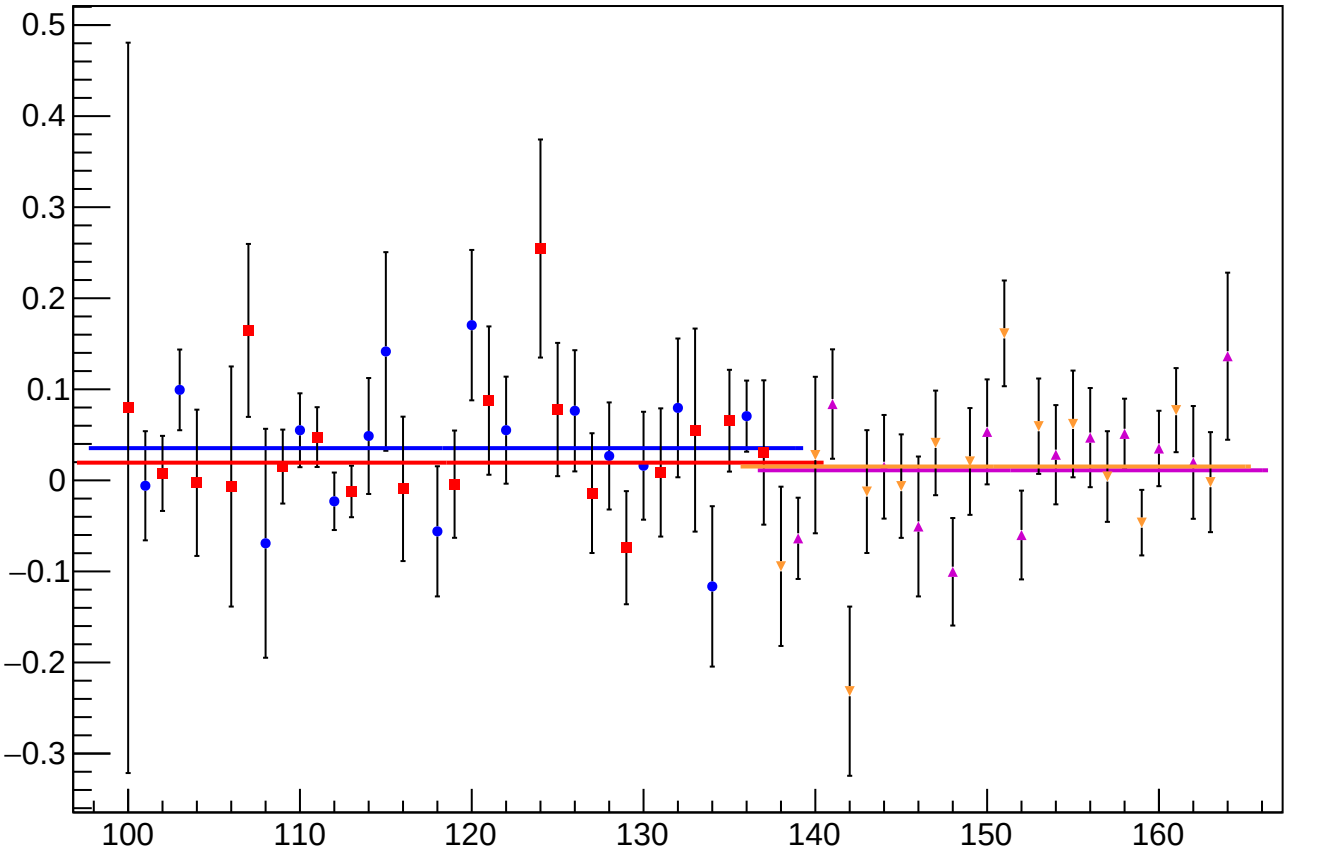
Left In: -0.000+/-0.000 χ^2/NDF:6.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/29

All: 0.000+/-0.000 χ^2/NDF: 72.9/61

- 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:1742459.8/13
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: 3143947.7/29
All: 0.002+/-0.000 χ²/NDF: 8862274.6/61
- sign 0.002+/-0.000 χ²/NDF: 5494774.2/31



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

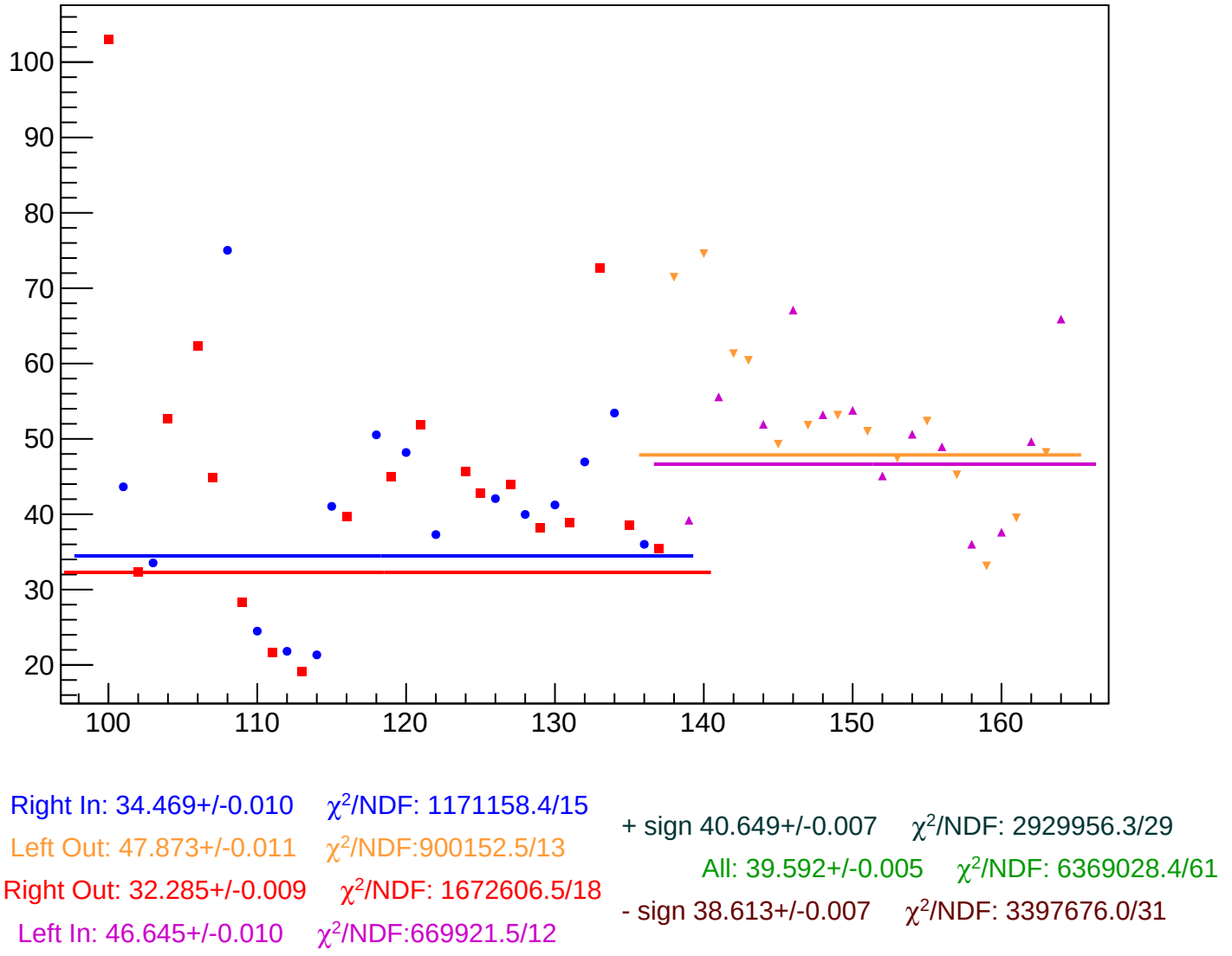
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

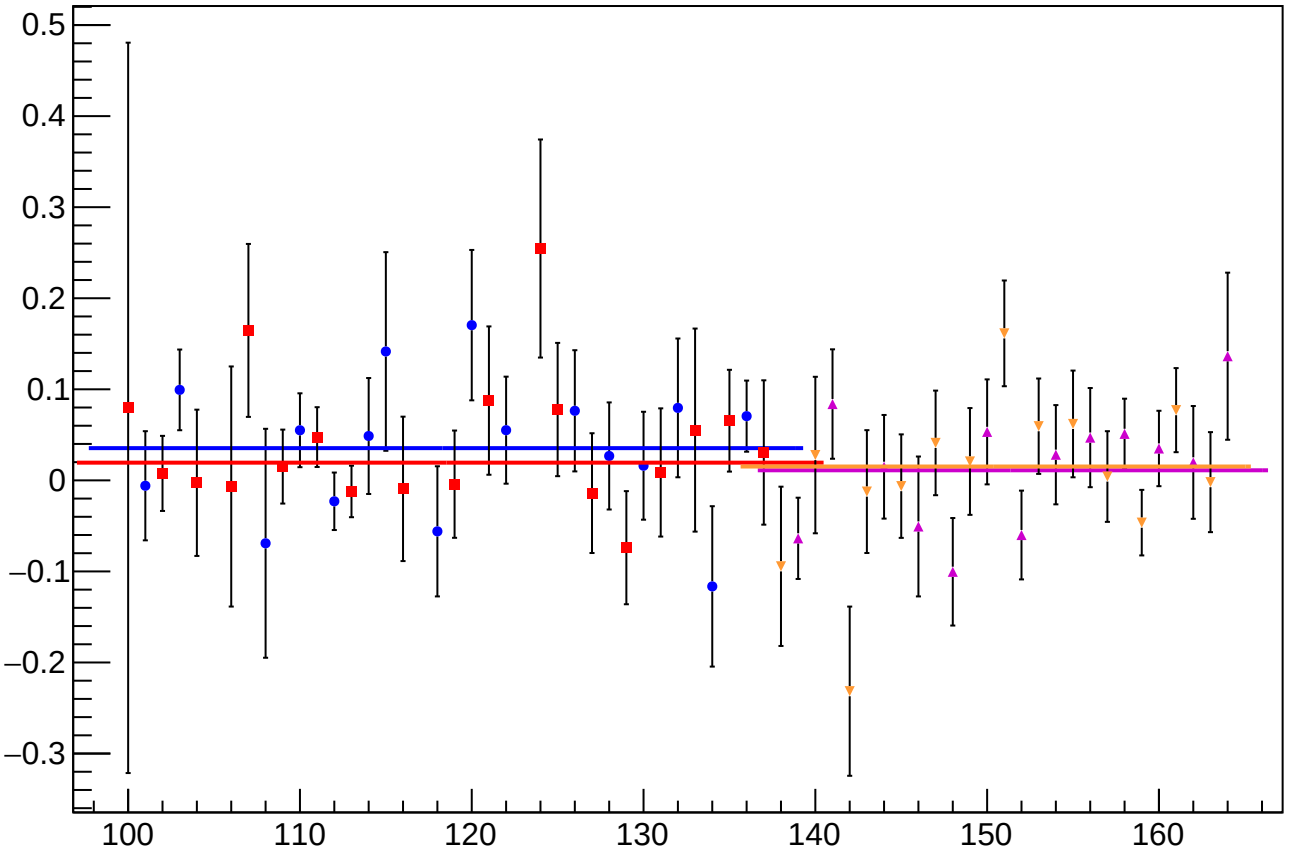
Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.021+/-0.007 χ^2/NDF: 68.7/61

- 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: 47.873+/-0.011 χ²/NDF:900152.5/13
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.645+/-0.010 χ²/NDF:669921.5/12
+ sign 40.649+/-0.007 χ²/NDF: 2929956.3/29
All: 39.592+/-0.005 χ²/NDF: 6369028.4/61
- sign 38.613+/-0.007 χ²/NDF: 3397676.0/31



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

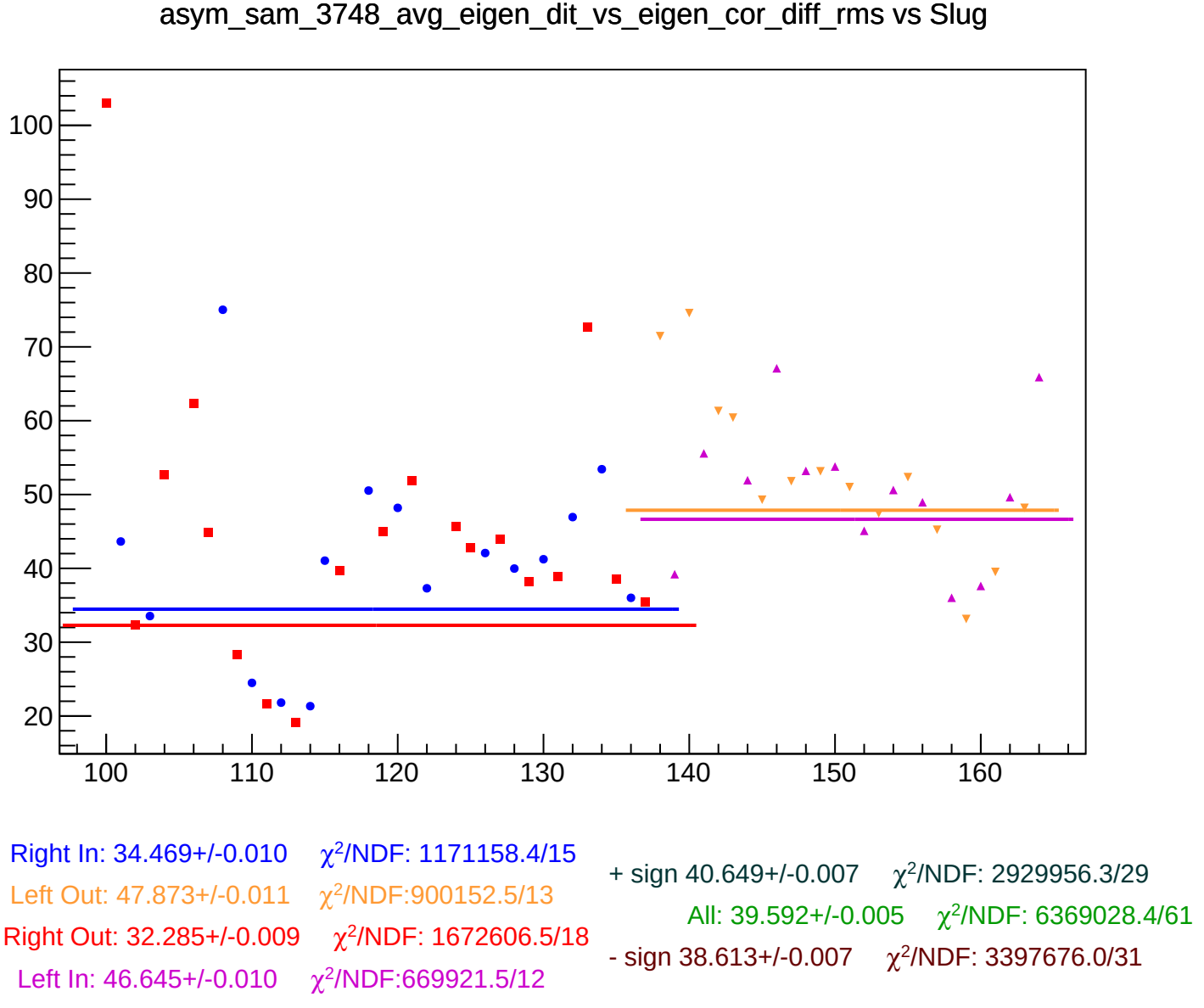
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

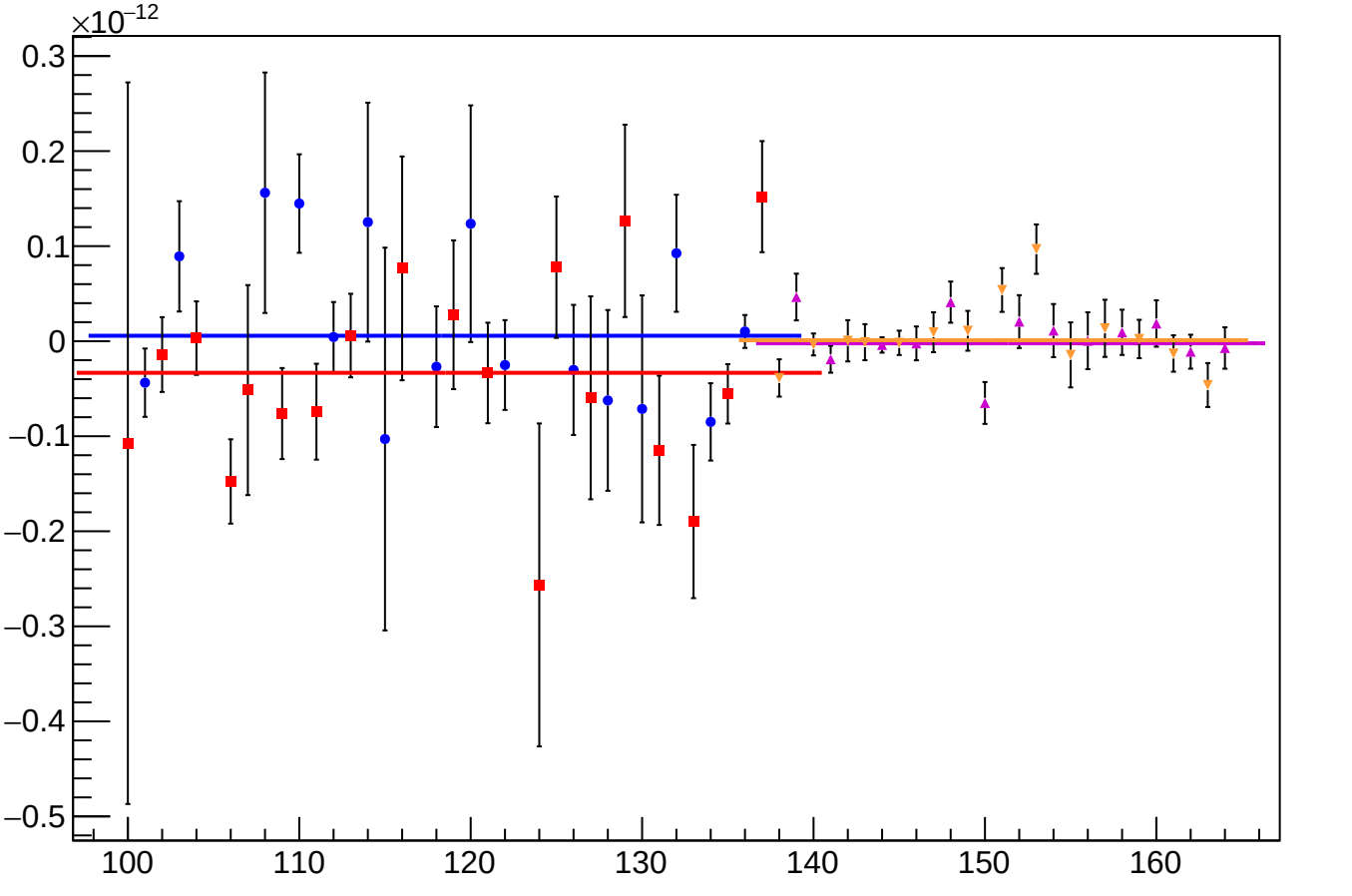
Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.021+/-0.007 χ^2/NDF: 68.7/61

- sign 0.016+/-0.010 χ^2/NDF: 28.5/31


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.873+/-0.011 χ²/NDF:900152.5/13
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.645+/-0.010 χ²/NDF:669921.5/12
+ sign 40.649+/-0.007 χ²/NDF: 2929956.3/29
All: 39.592+/-0.005 χ²/NDF: 6369028.4/61
- sign 38.613+/-0.007 χ²/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:28.6/13

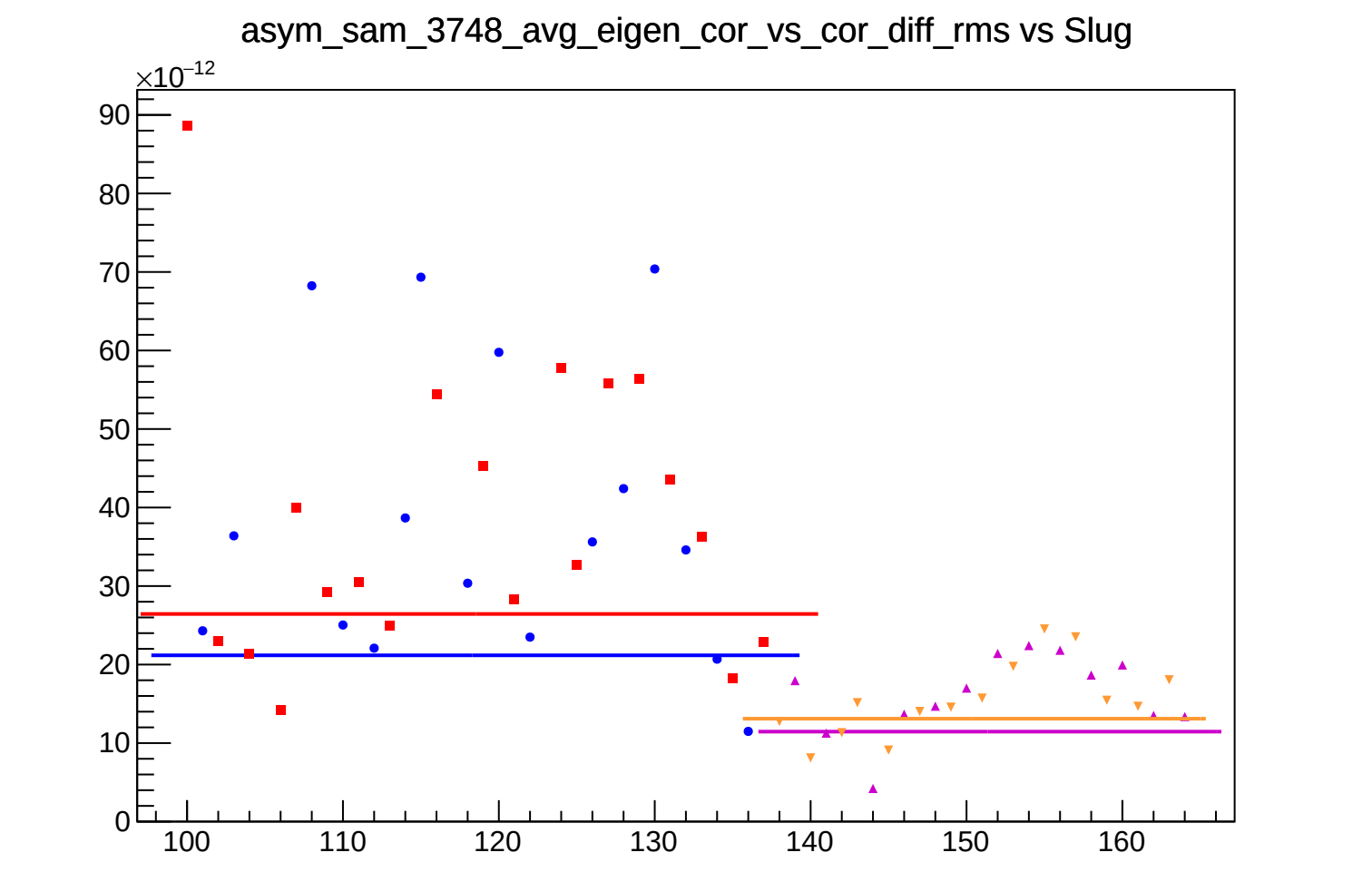
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/12

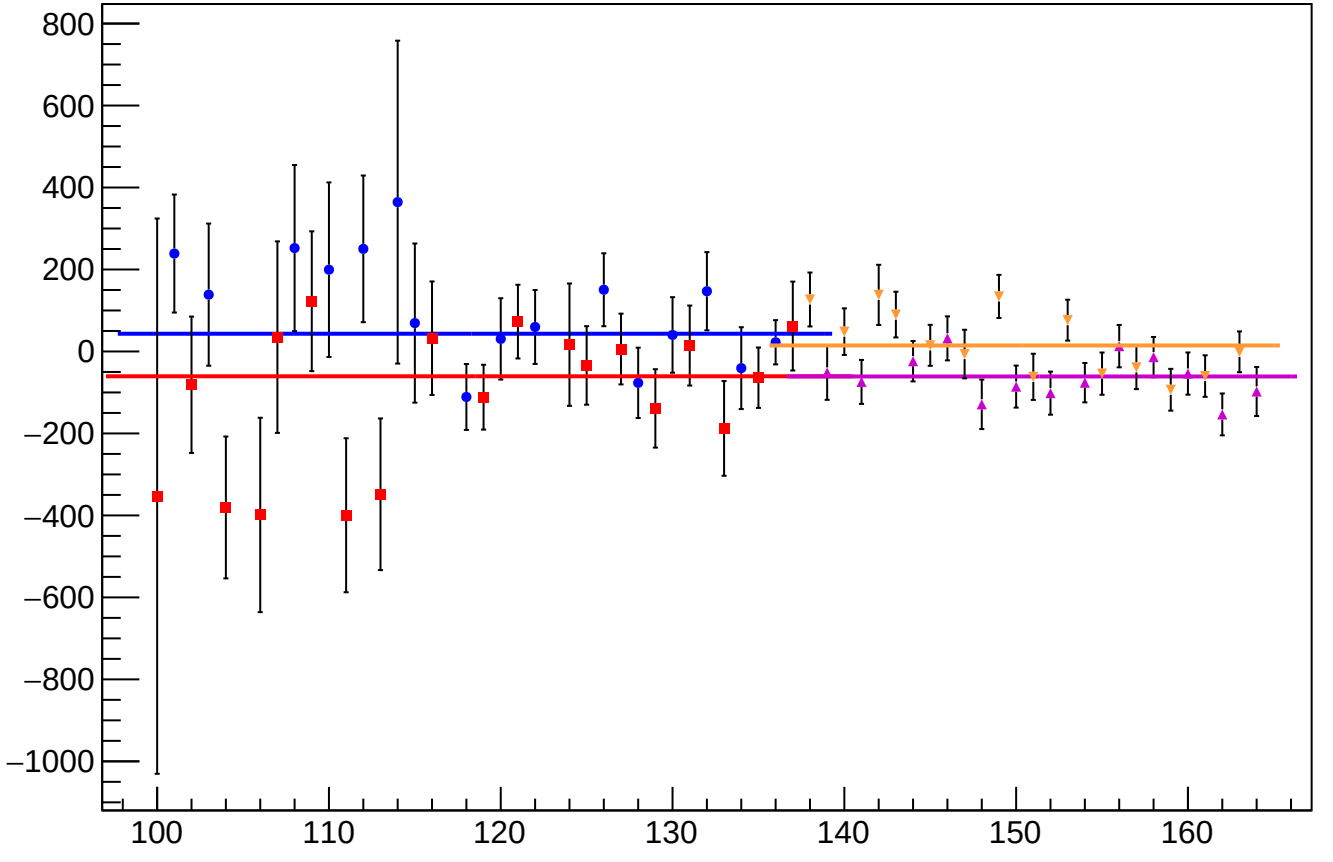
+ sign 0.000+/-0.000 χ^2/NDF: 52.3/29

All: -0.000+/-0.000 χ^2/NDF: 111.9/61

- 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:1373772.4/13
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: 4287287.5/29
All: 0.000+/-0.000 χ²/NDF: 11106718.2/61
- 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: 14.631+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

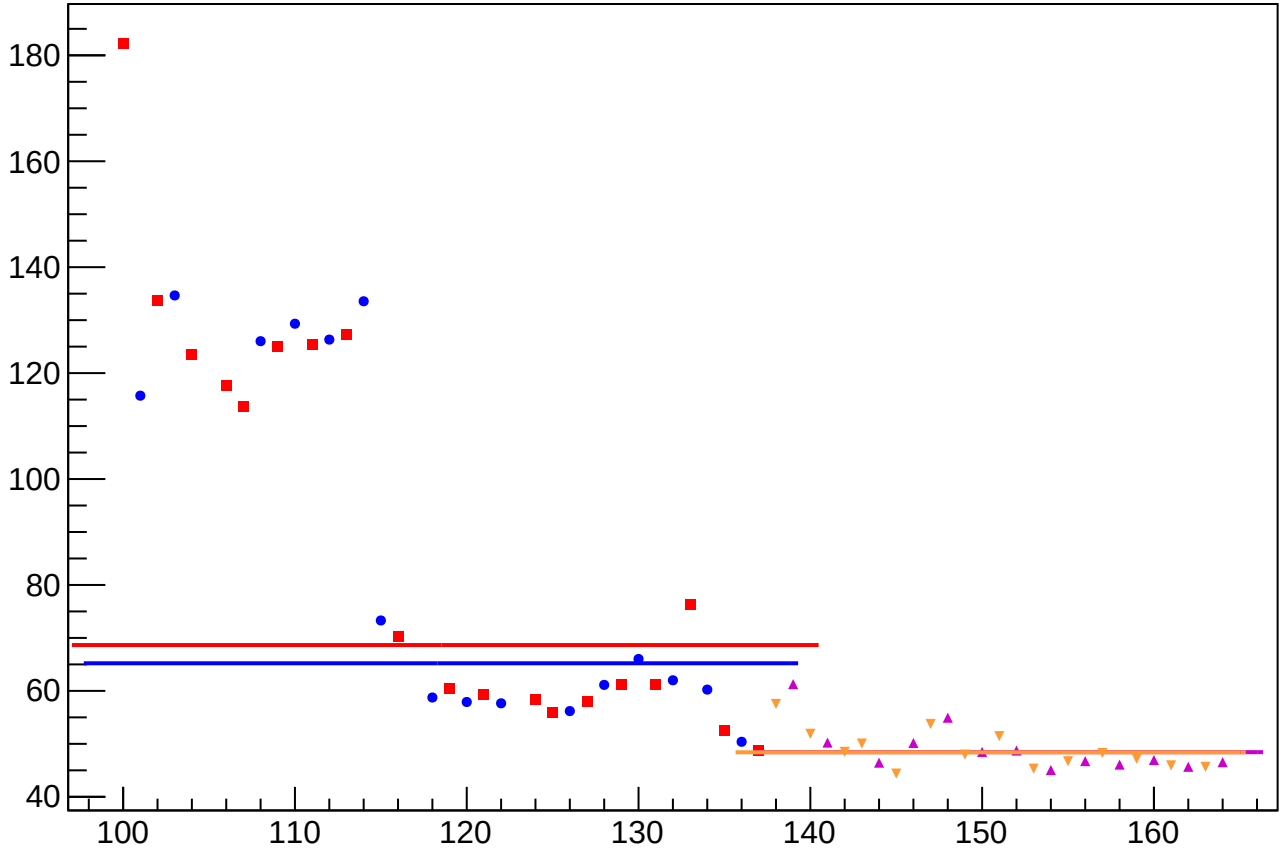
Left In: -61.009+/-14.730 χ^2/NDF:12.5/12

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -18.895+/-9.048 χ^2/NDF: 95.7/61

- 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: 48.404+/-0.010 χ^2/NDF:104862.9/13

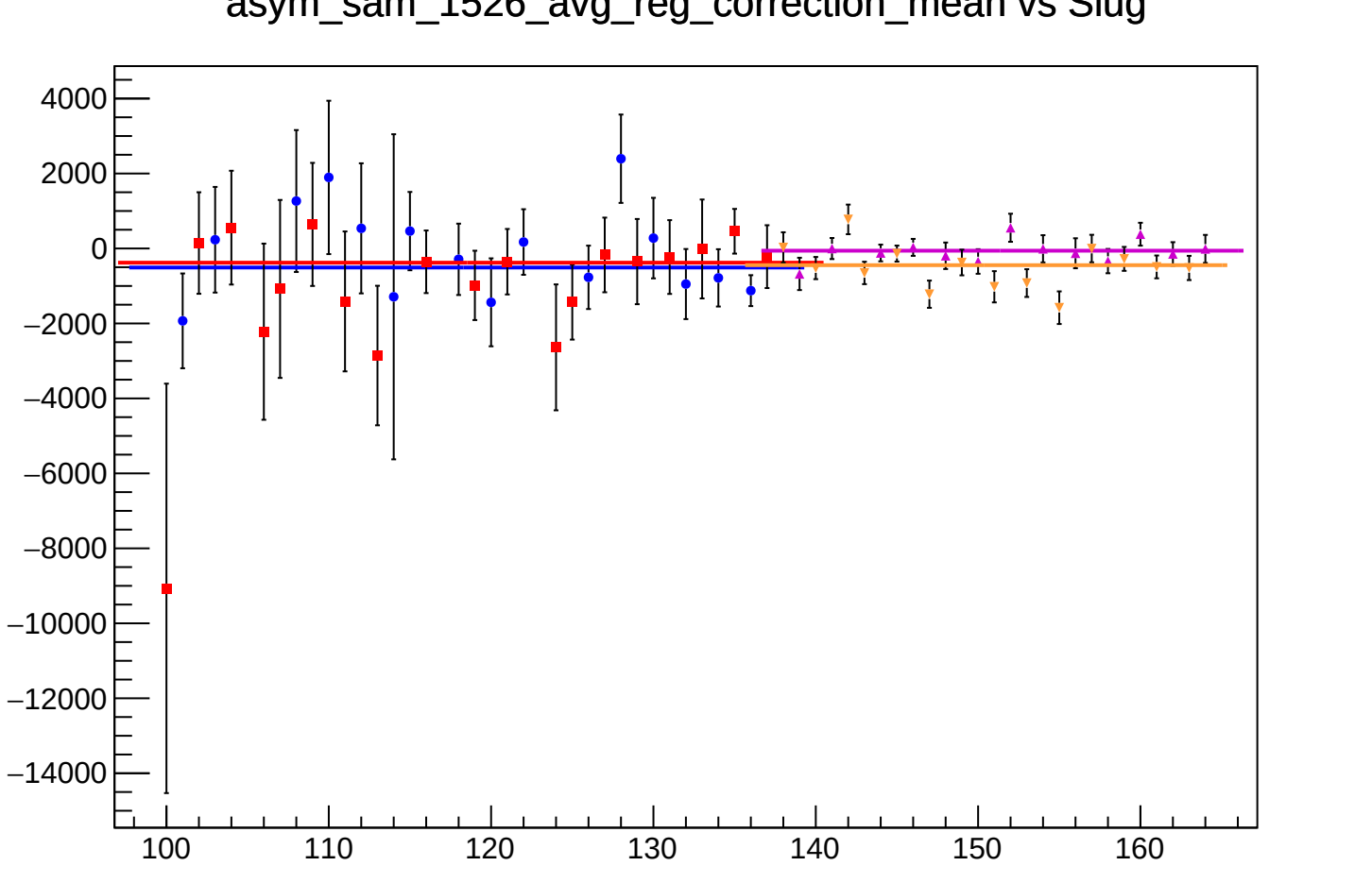
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.467+/-0.009 χ^2/NDF: 2196019.3/29

All: 52.778+/-0.006 χ^2/NDF: 4840363.4/61

- 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: -445.291+/-87.957 χ^2/NDF:30.4/13

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

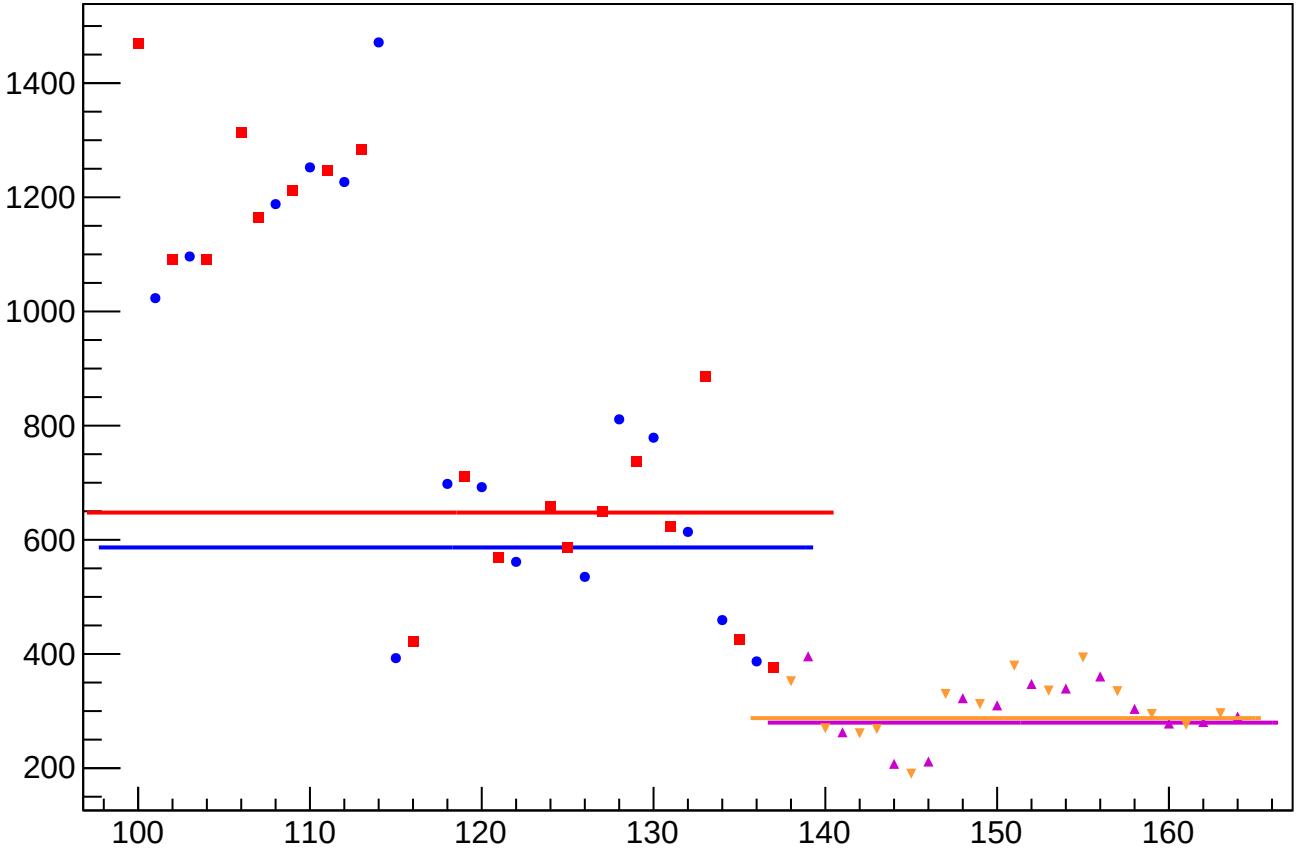
Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -452.877+/-82.459 χ^2/NDF: 46.1/29

All: -271.266+/-58.136 χ^2/NDF: 77.7/61

- 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: 287.699+/-0.062 χ^2/NDF:819650.4/13

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

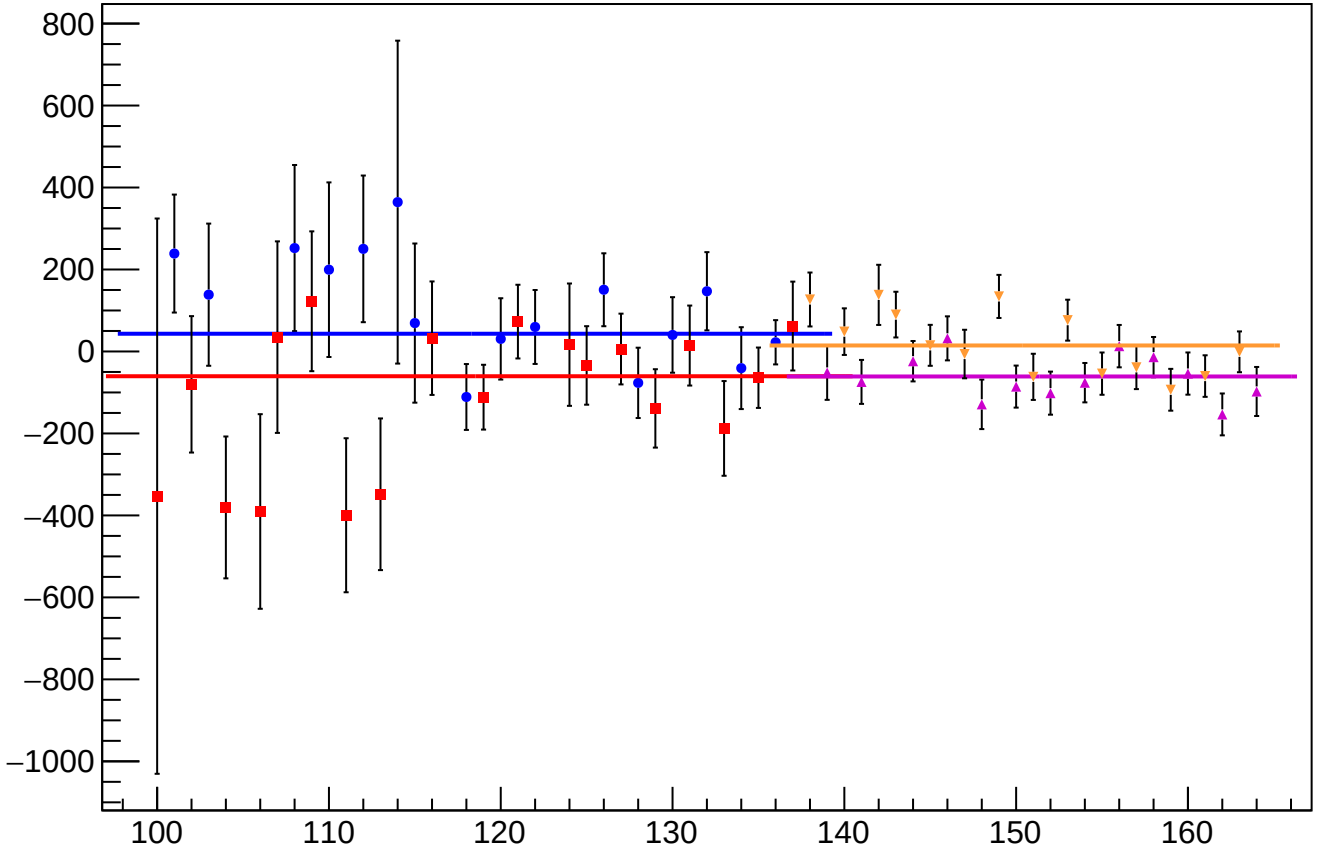
Left In: 279.756+/-0.061 χ^2/NDF:804169.2/12

+ sign 323.905+/-0.058 χ^2/NDF: 5670840.2/29

All: 320.618+/-0.041 χ^2/NDF: 12285159.0/61

- 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: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

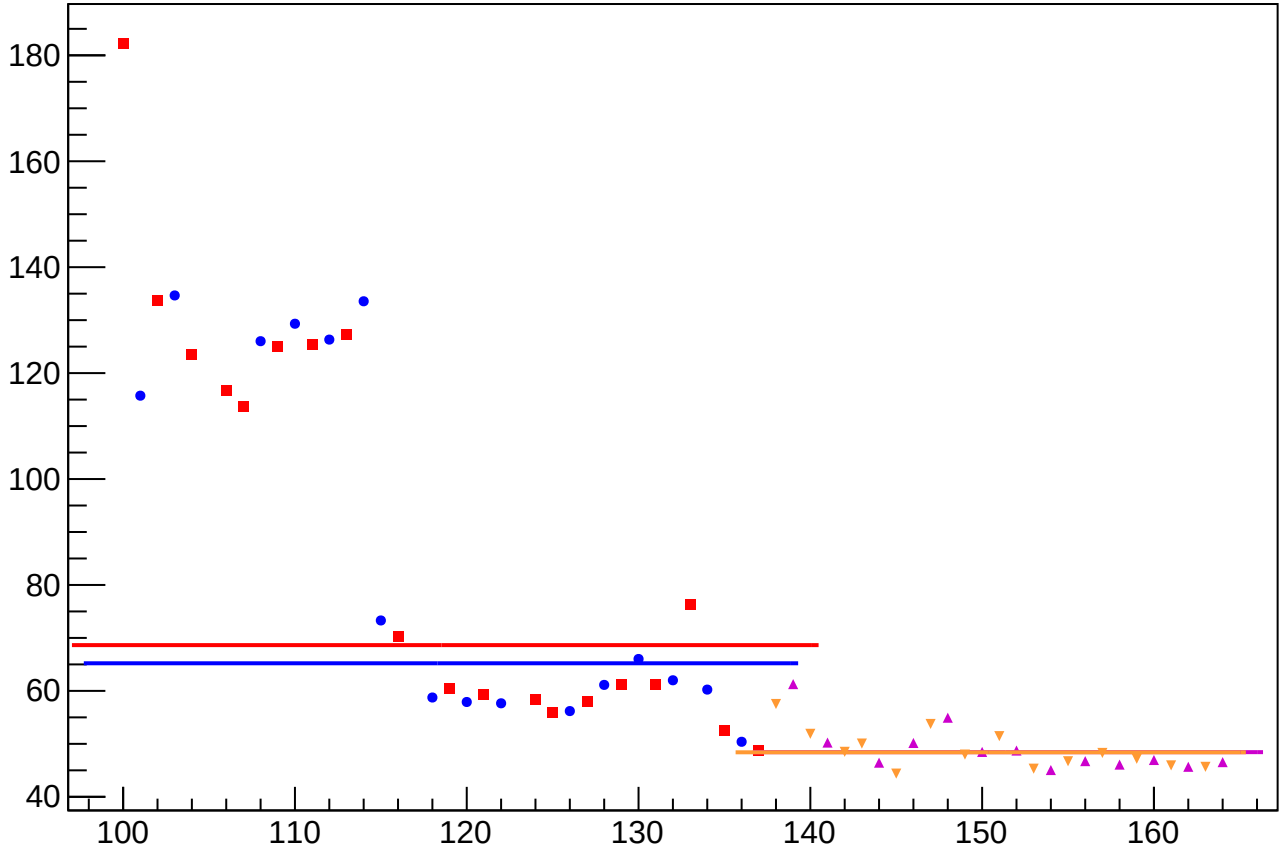
Left In: -61.008+/-14.730 χ^2/NDF:12.5/12

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -18.878+/-9.048 χ^2/NDF: 95.6/61

- 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: 48.404+/-0.010 χ^2/NDF:104862.9/13

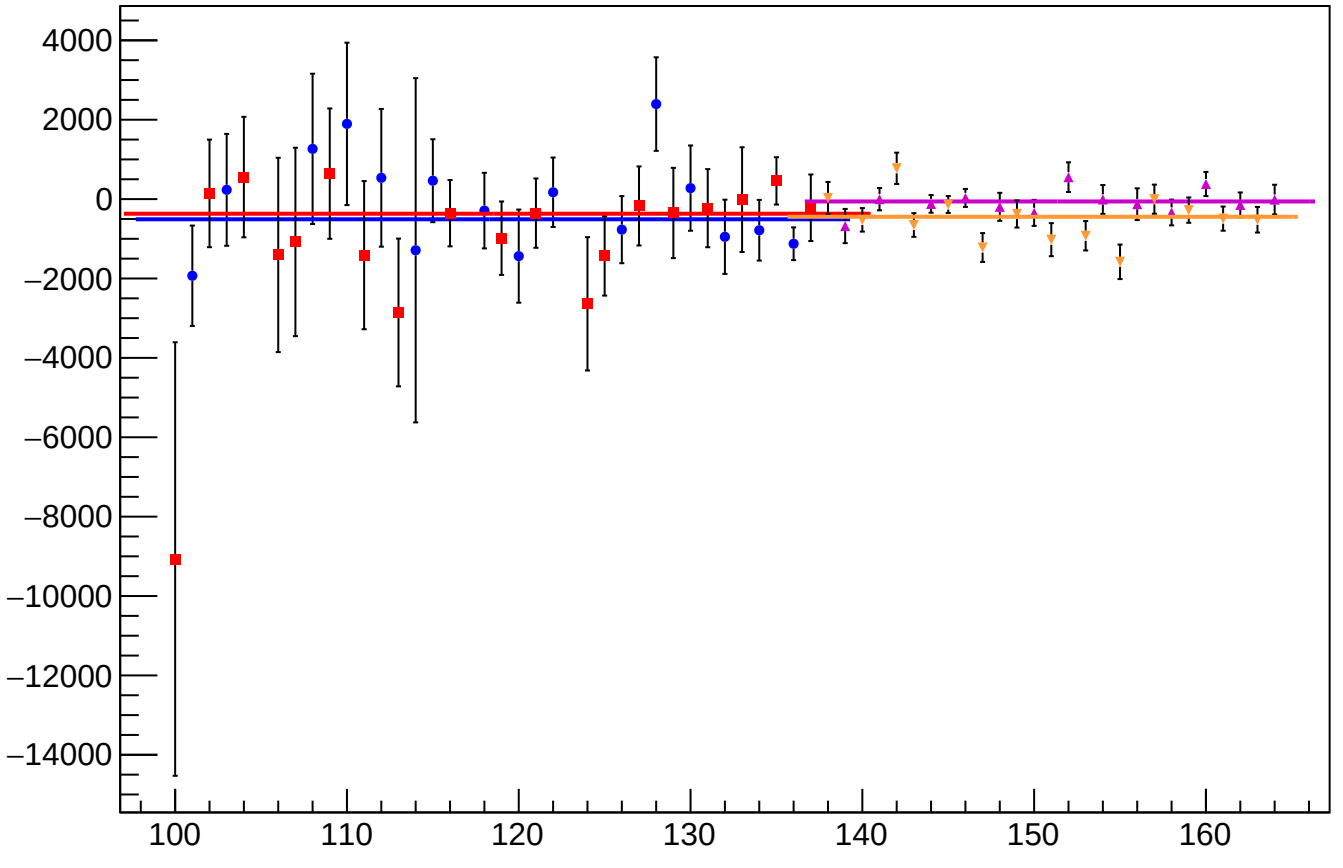
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.467+/-0.009 χ^2/NDF: 2196021.4/29

All: 52.776+/-0.006 χ^2/NDF: 4835717.4/61

- 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: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

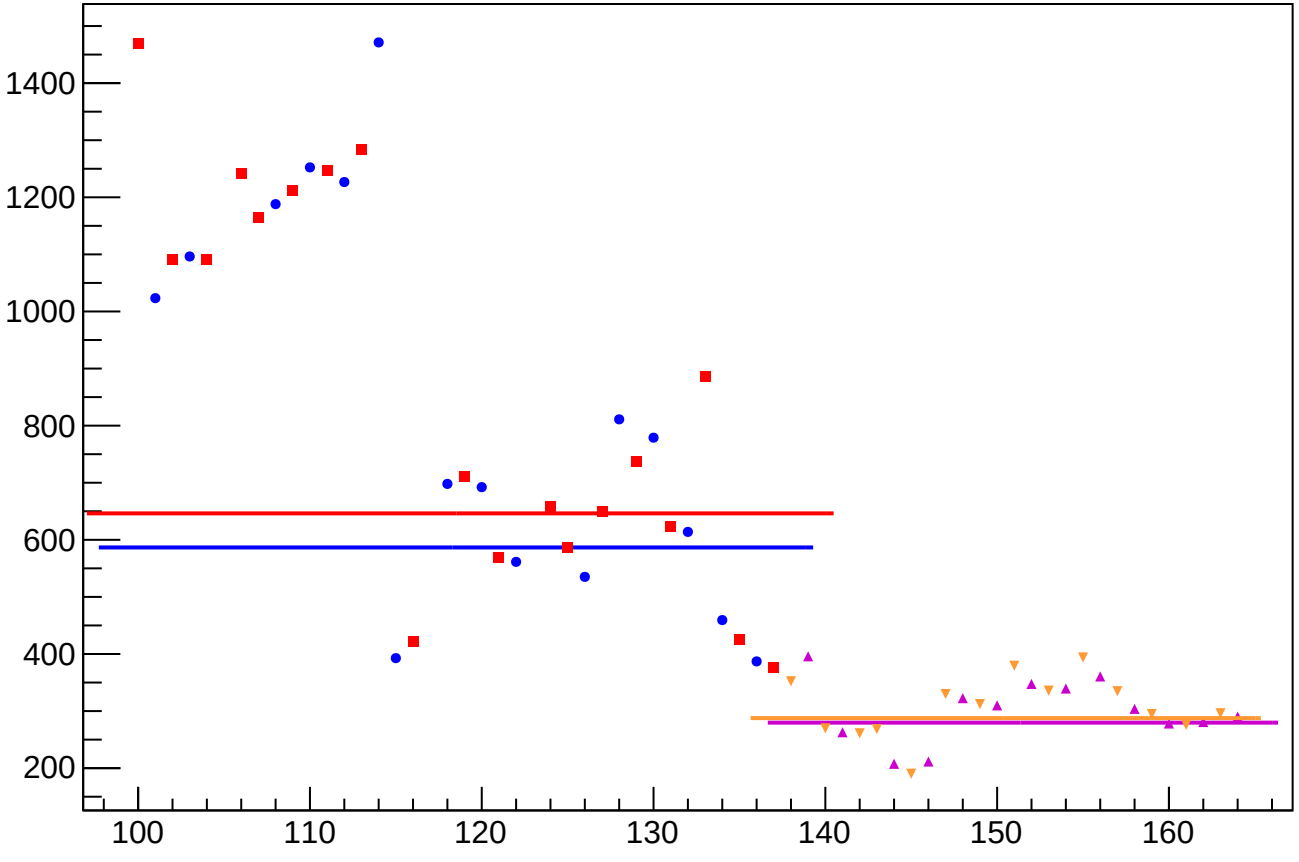
Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -452.872+/-82.459 χ^2/NDF: 46.1/29

All: -270.716+/-58.138 χ^2/NDF: 77.2/61

- 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: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

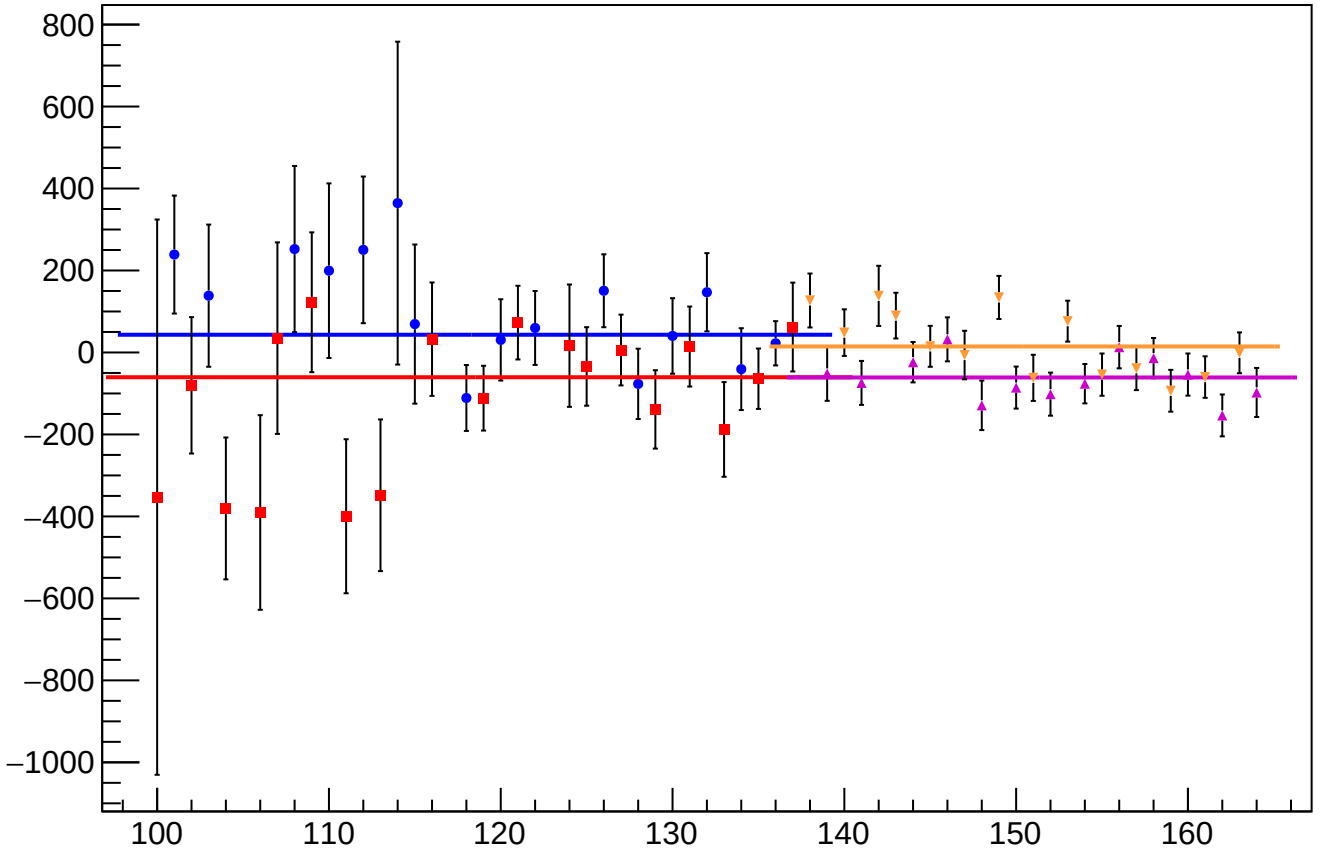
Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

+ sign 323.904+/-0.058 χ^2/NDF: 5670871.6/29

All: 320.529+/-0.041 χ^2/NDF: 12211569.3/61

- 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: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

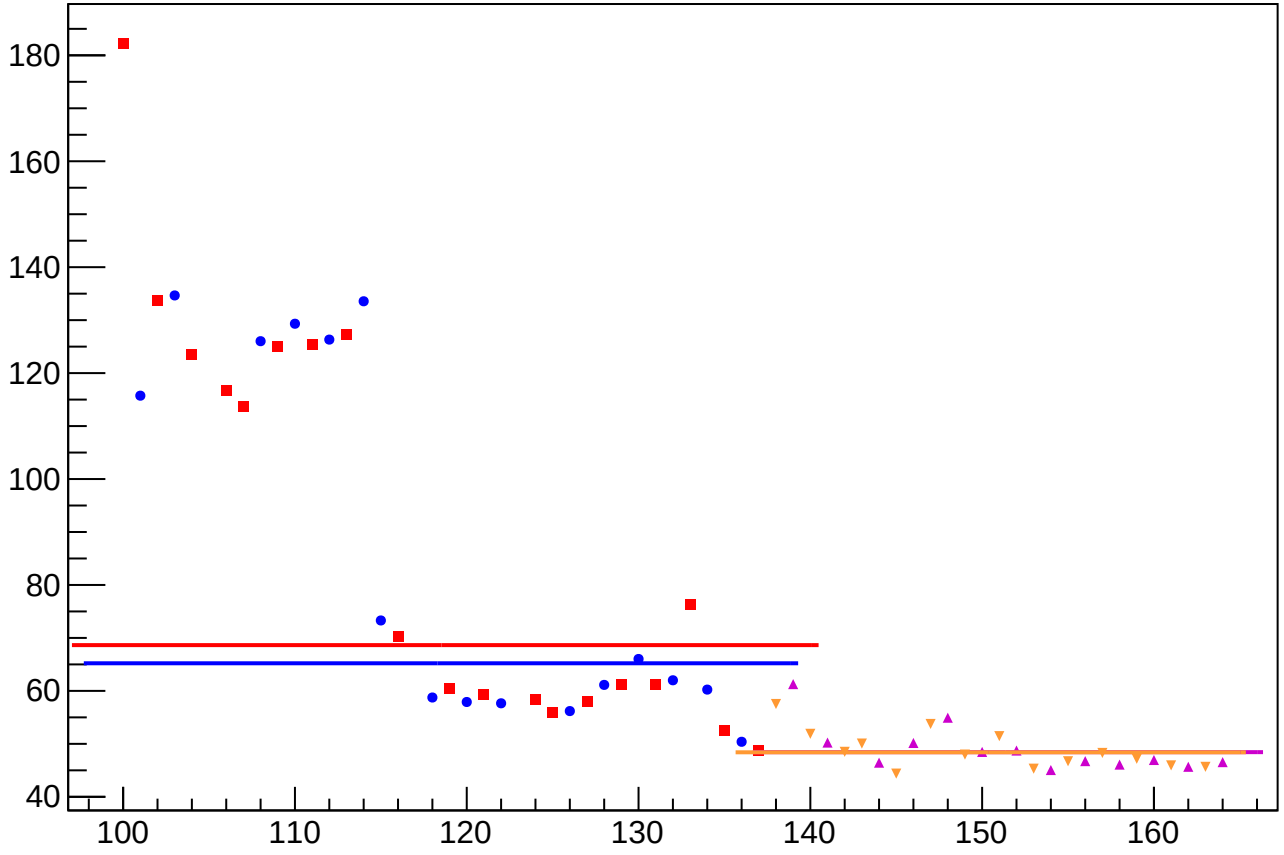
Left In: -61.008+/-14.730 χ^2/NDF:12.5/12

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -18.878+/-9.048 χ^2/NDF: 95.6/61

- 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: 48.404+/-0.010 χ^2/NDF:104862.9/13

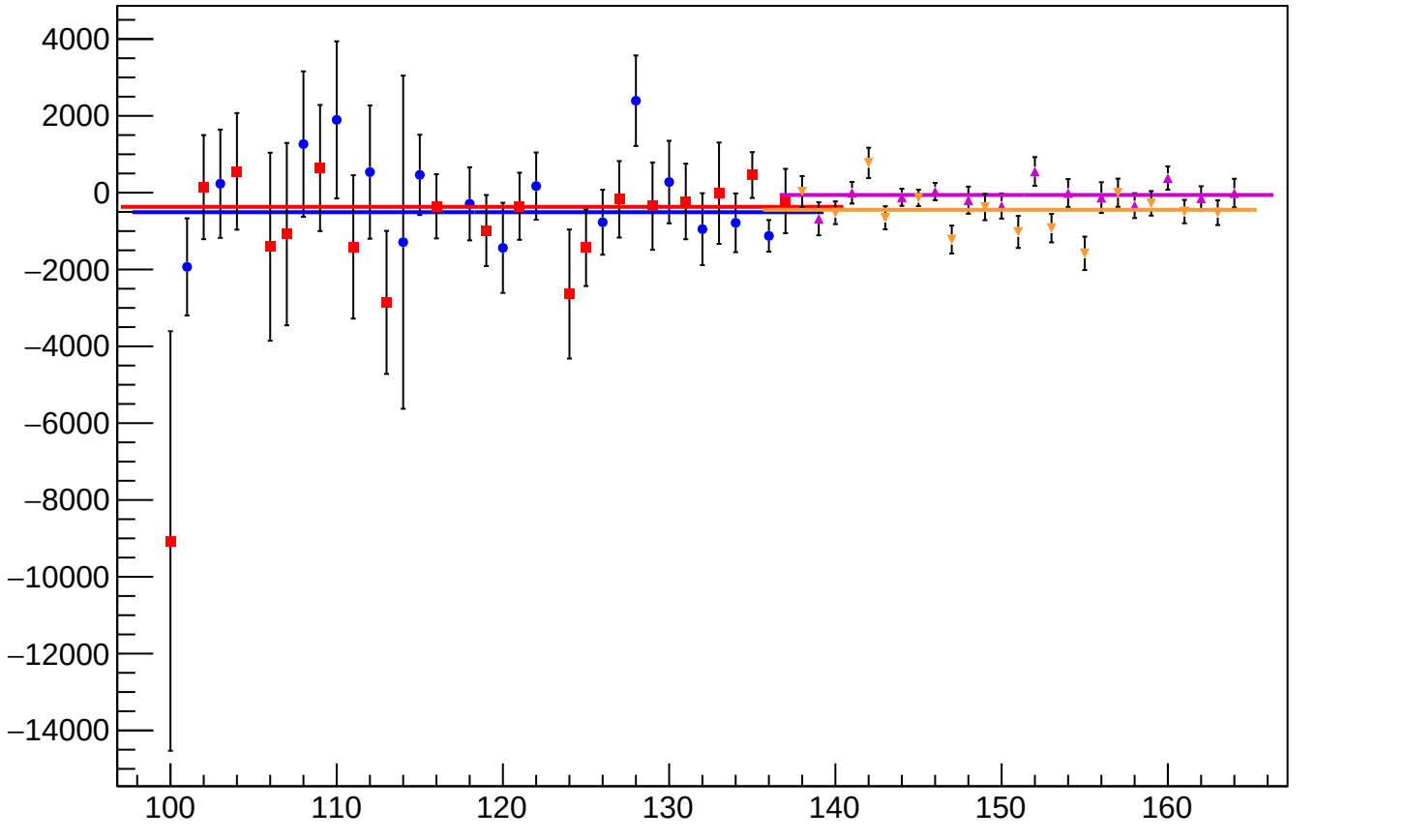
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.467+/-0.009 χ^2/NDF: 2196021.4/29

All: 52.776+/-0.006 χ^2/NDF: 4835717.4/61

- 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: -445.287+/-87.957 χ^2/NDF:30.4/13

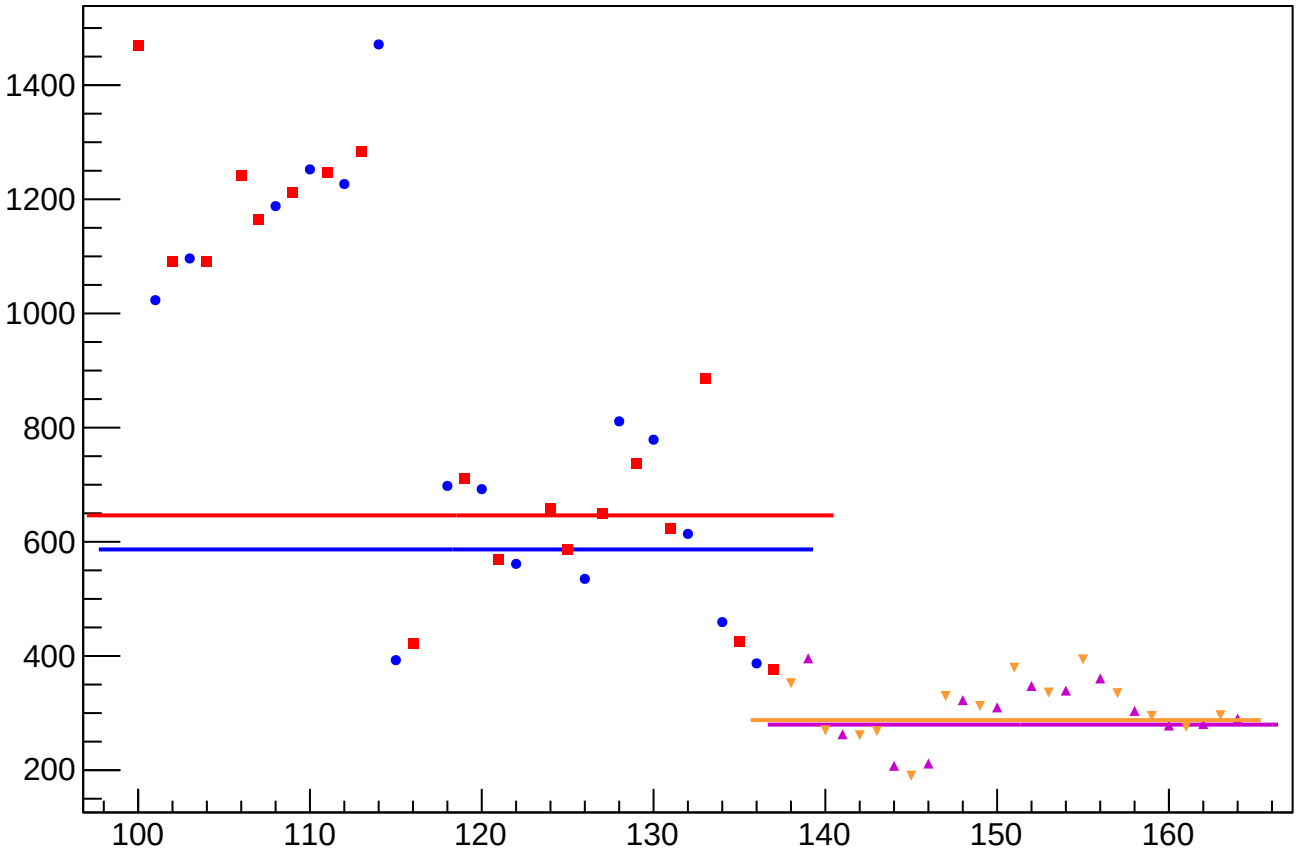
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -452.872+/-82.459 χ^2/NDF: 46.1/29

All: -270.716+/-58.138 χ^2/NDF: 77.2/61

- 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: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

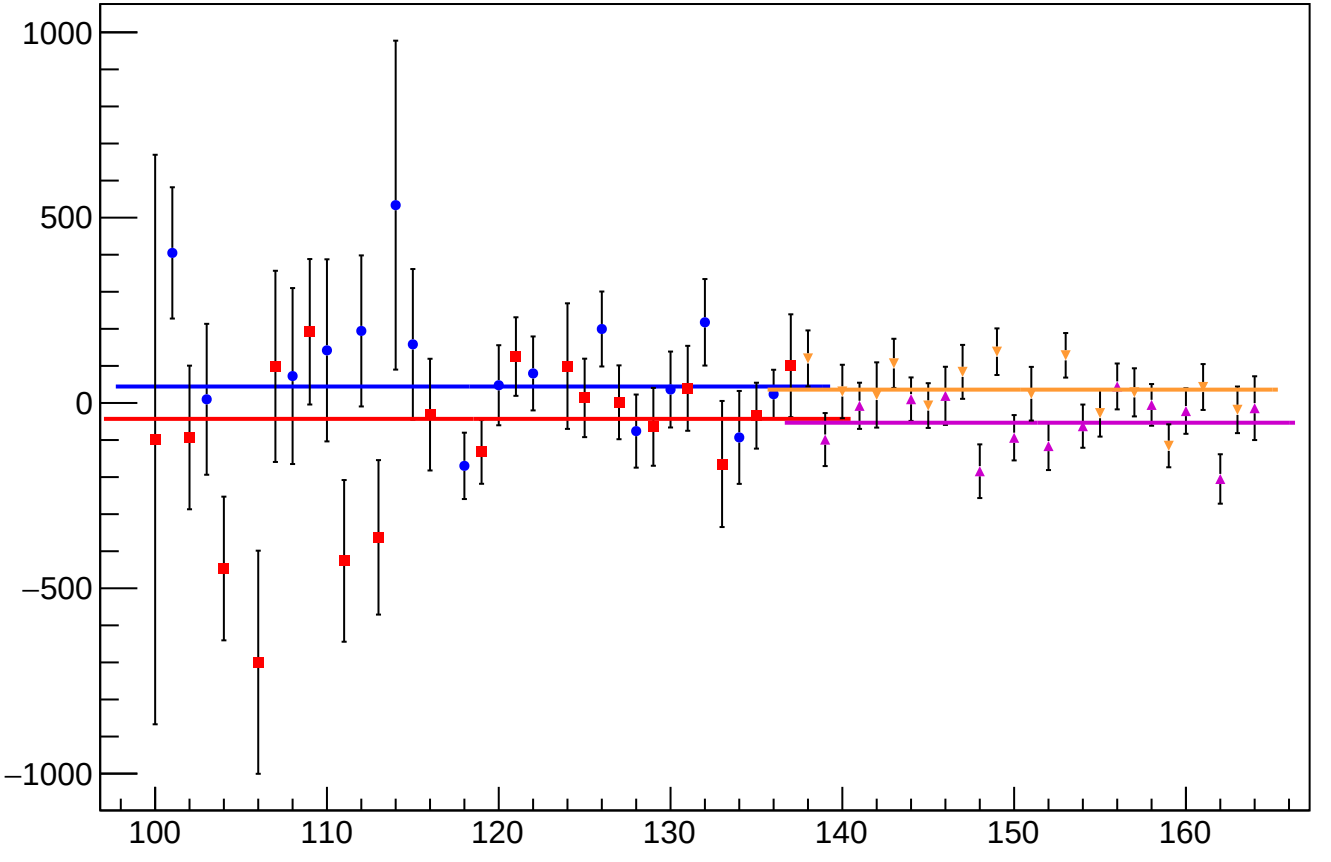
Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

+ sign 323.904+/-0.058 χ^2/NDF: 5670871.6/29

All: 320.529+/-0.041 χ^2/NDF: 12211569.3/61

- 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: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

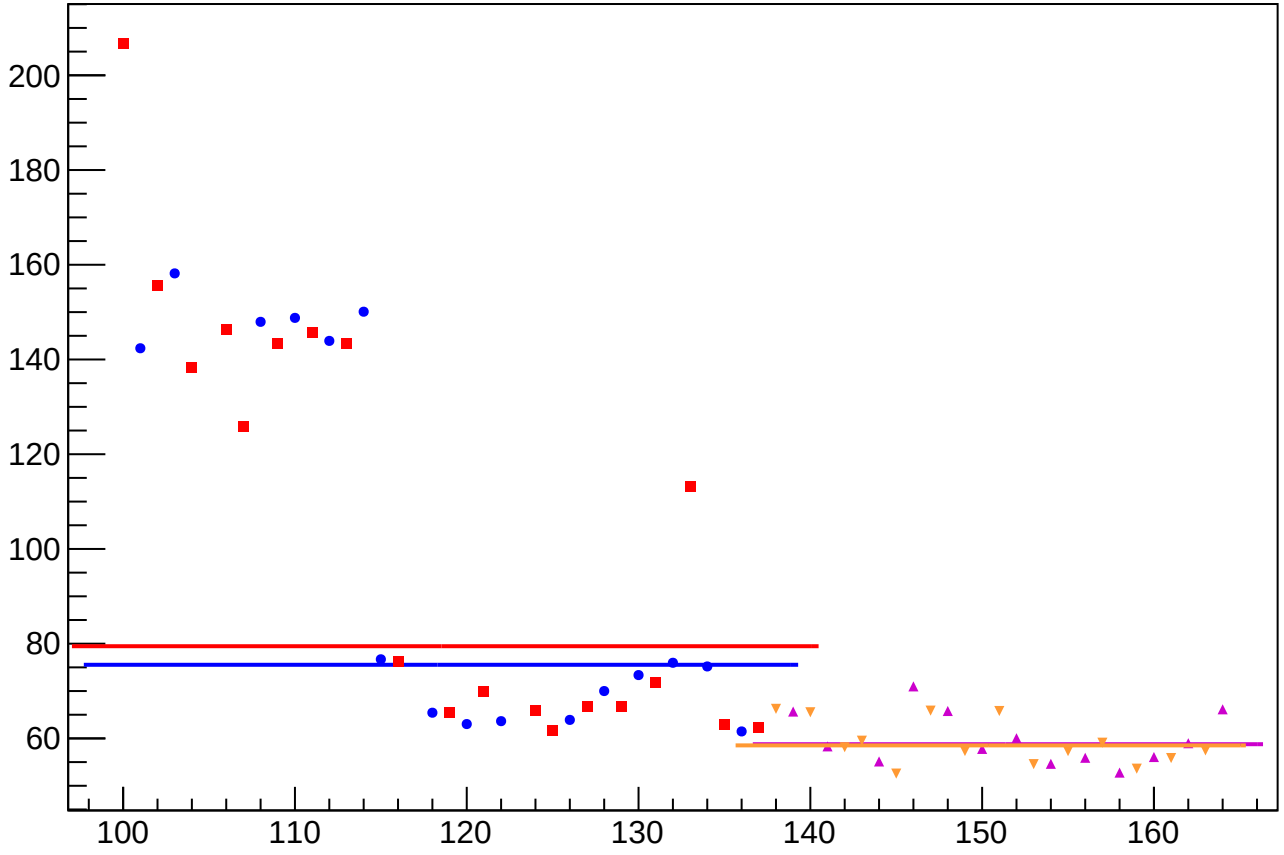
Left In: -53.302+/-17.963 χ^2/NDF:16.5/12

+ sign 38.153+/-15.207 χ^2/NDF: 36.7/29

All: -5.226+/-10.880 χ^2/NDF: 93.3/61

- 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: 58.529+/-0.012 χ^2/NDF:128974.4/13

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

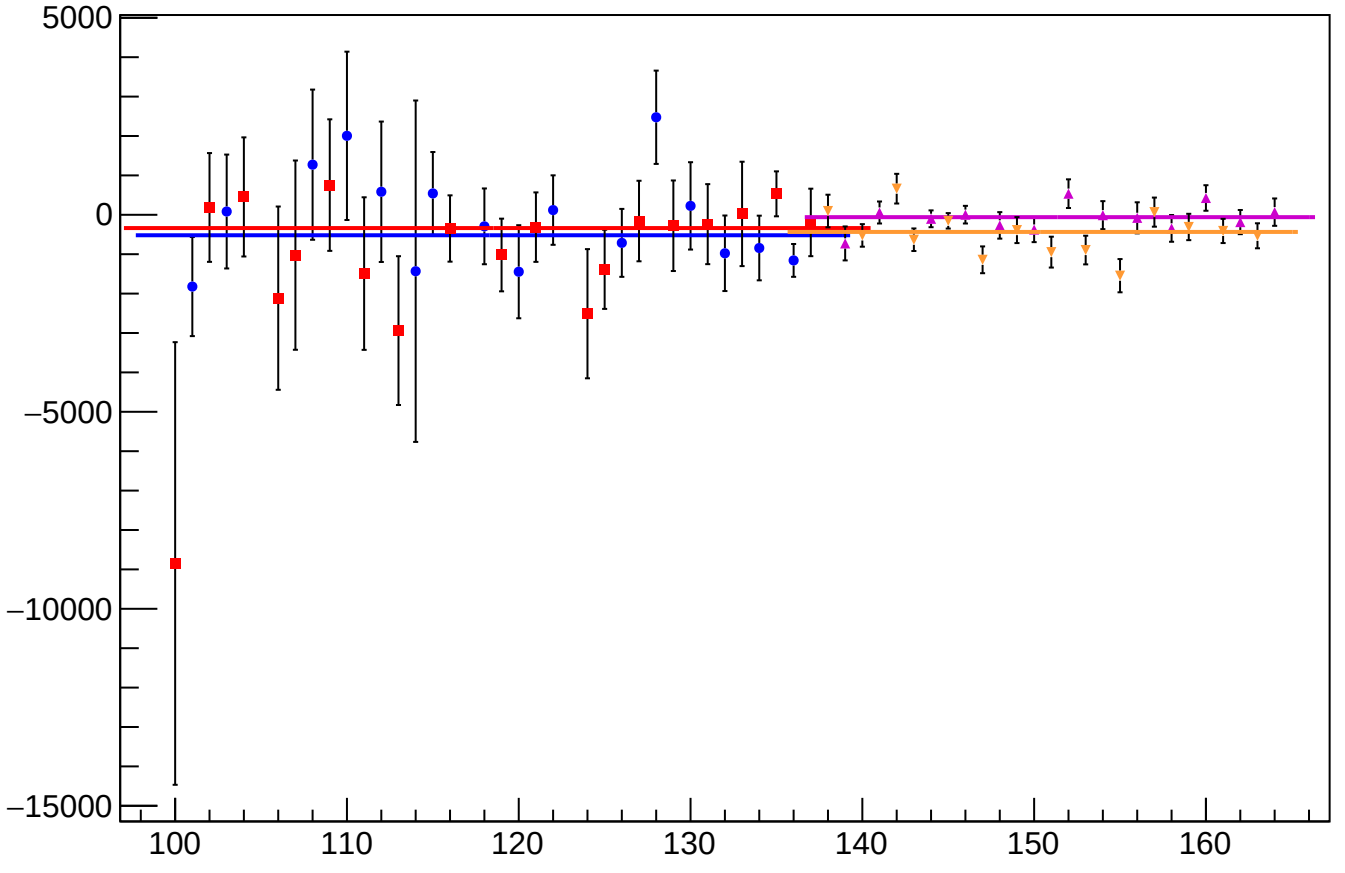
Left In: 58.778+/-0.013 χ^2/NDF:150539.5/12

+ sign 62.928+/-0.011 χ^2/NDF: 2074497.0/29

All: 63.410+/-0.008 χ^2/NDF: 4571674.2/61

- sign 63.916+/-0.011 χ^2/NDF: 2493056.1/31

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -434.817+/-85.252 χ^2/NDF:29.5/13

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

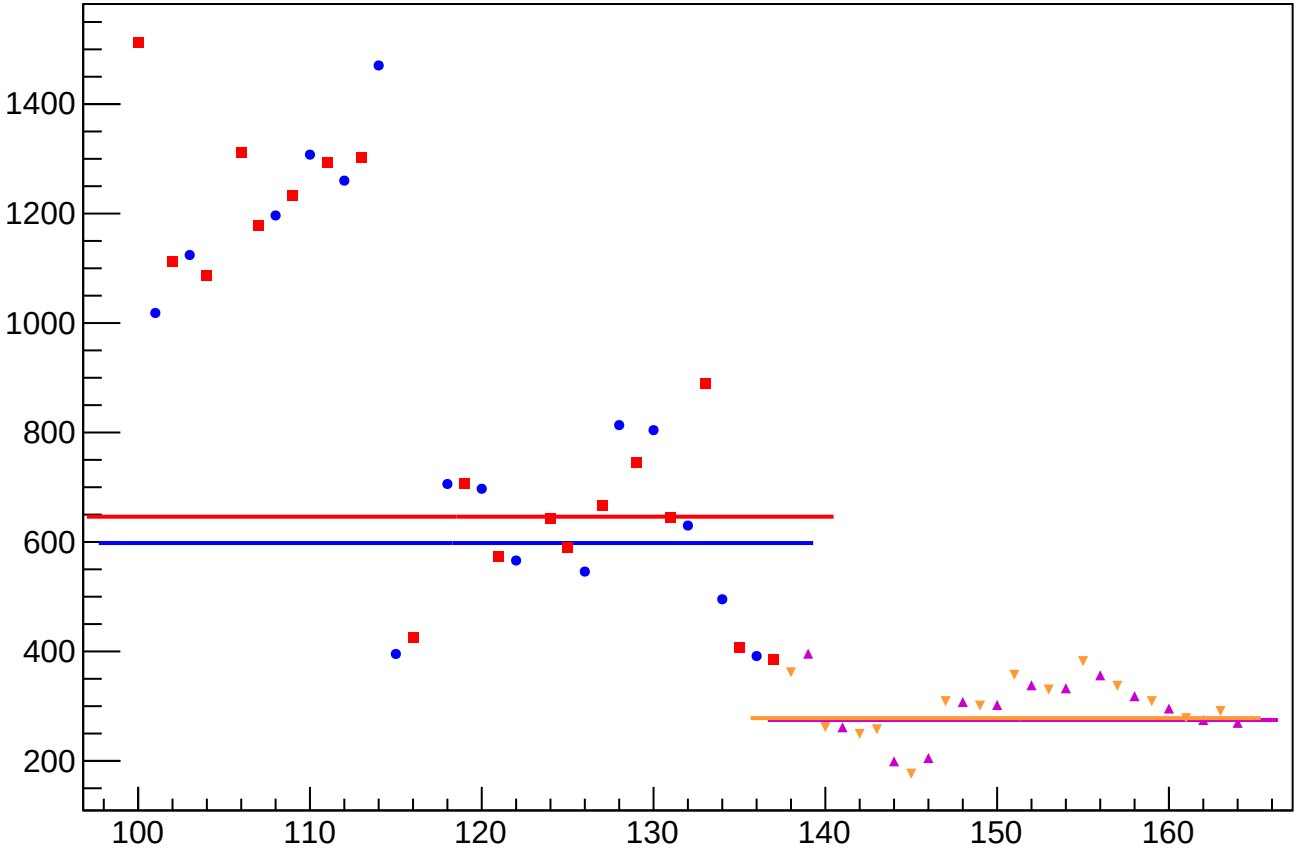
Left In: -59.785+/-85.187 χ^2/NDF:10.0/12

+ sign -444.185+/-80.383 χ^2/NDF: 45.4/29

All: -266.761+/-57.003 χ^2/NDF: 78.2/61

- 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: 278.223+/-0.060 χ^2/NDF:987907.2/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

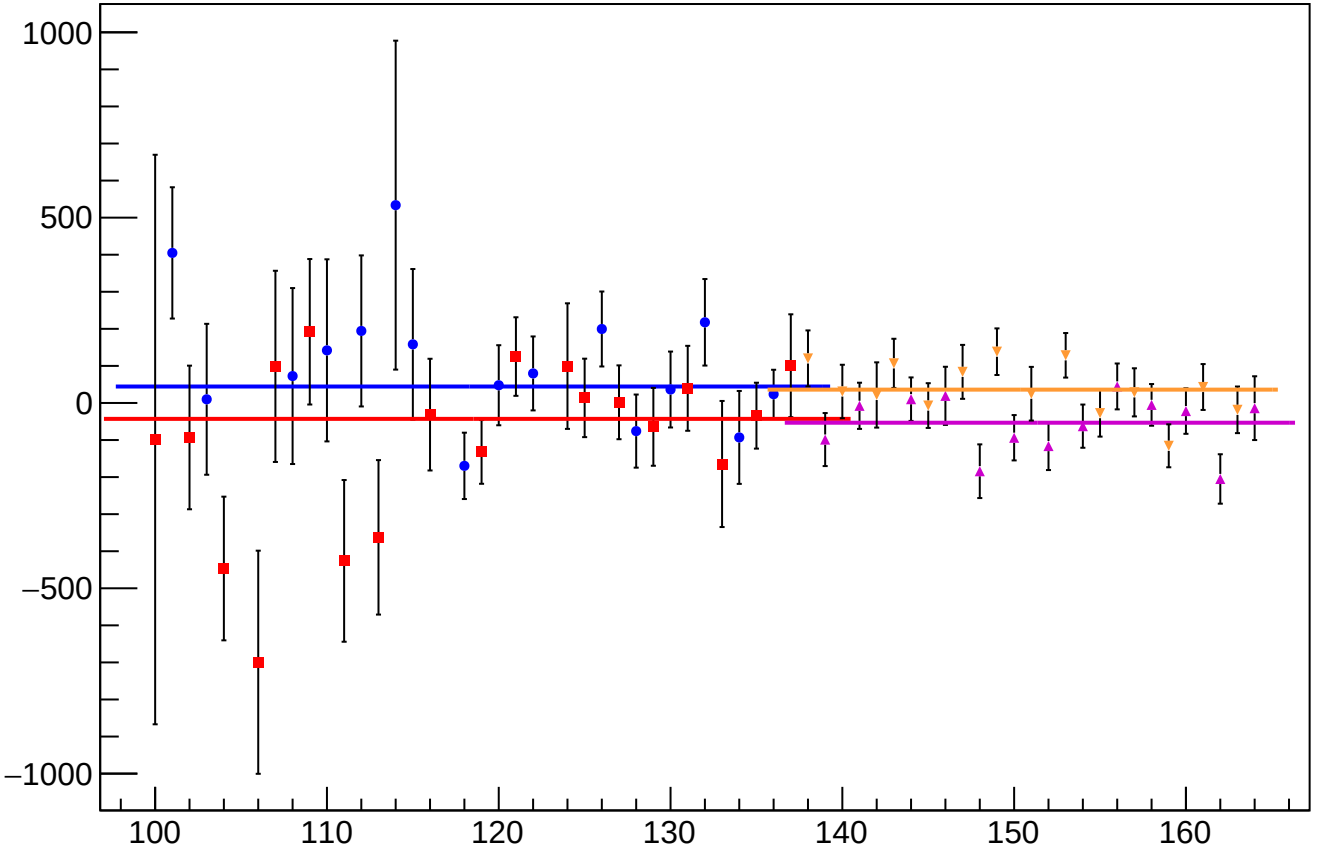
Left In: 274.743+/-0.060 χ^2/NDF:880576.3/12

+ sign 313.709+/-0.057 χ^2/NDF: 6158888.4/29

All: 312.667+/-0.040 χ^2/NDF: 13020004.4/61

- 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: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

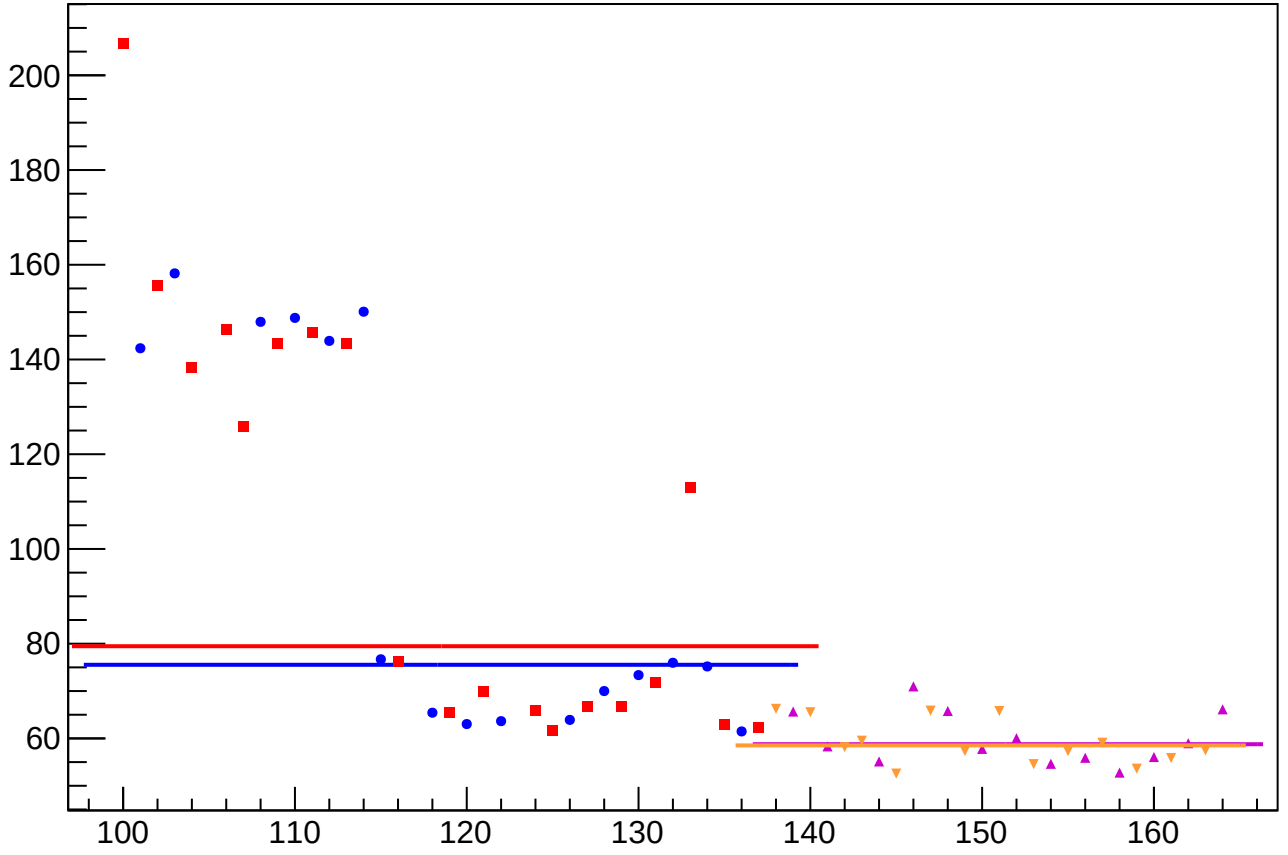
Left In: -53.301+/-17.963 χ^2/NDF:16.5/12

+ sign 38.153+/-15.207 χ^2/NDF: 36.7/29

All: -5.225+/-10.880 χ^2/NDF: 93.3/61

- 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: 58.529+/-0.012 χ^2/NDF:128975.0/13

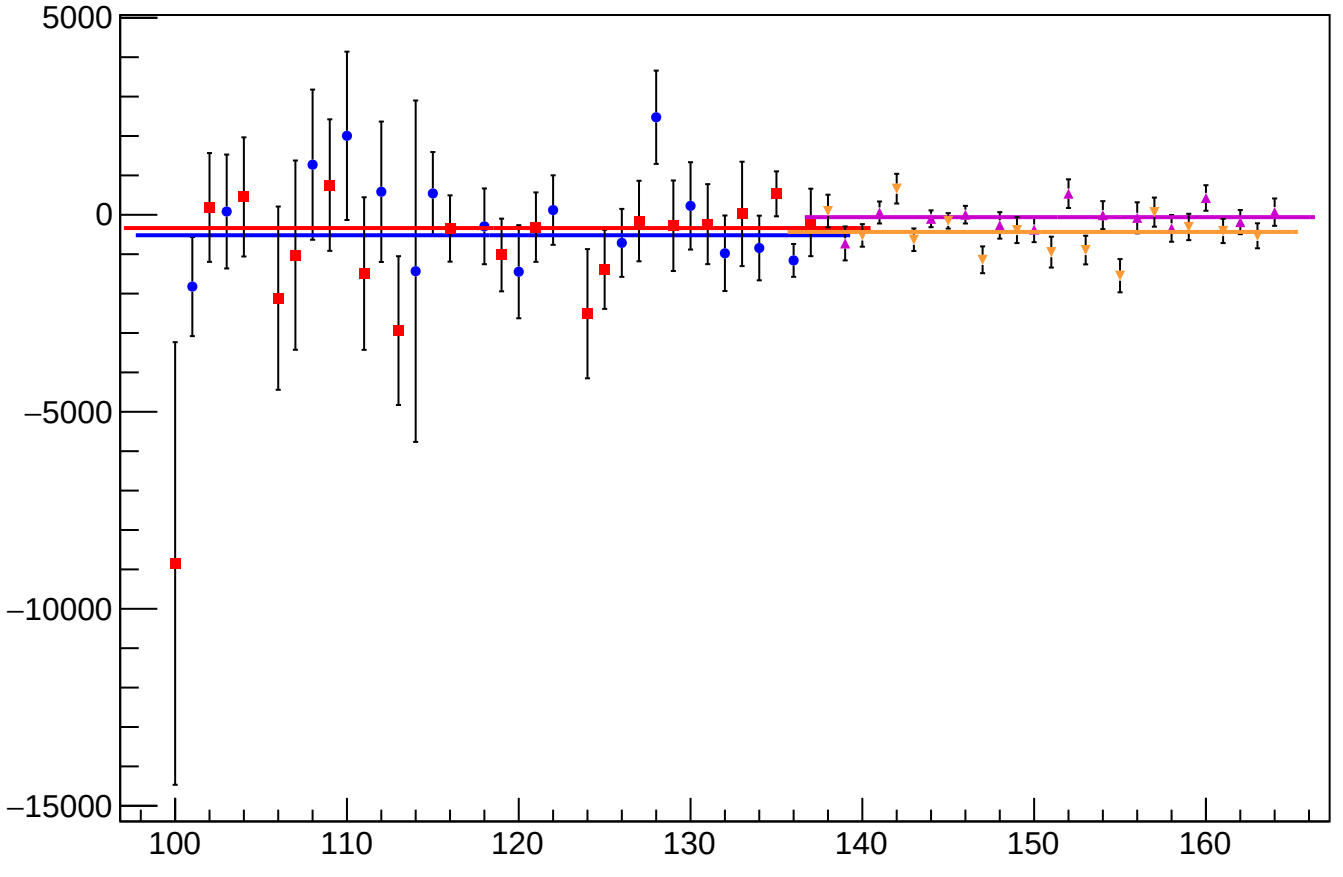
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150545.1/12

+ sign 62.928+/-0.011 χ^2/NDF: 2074459.2/29

All: 63.410+/-0.008 χ^2/NDF: 4571609.3/61

- 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: -434.817+/-85.251 χ^2/NDF:29.5/13

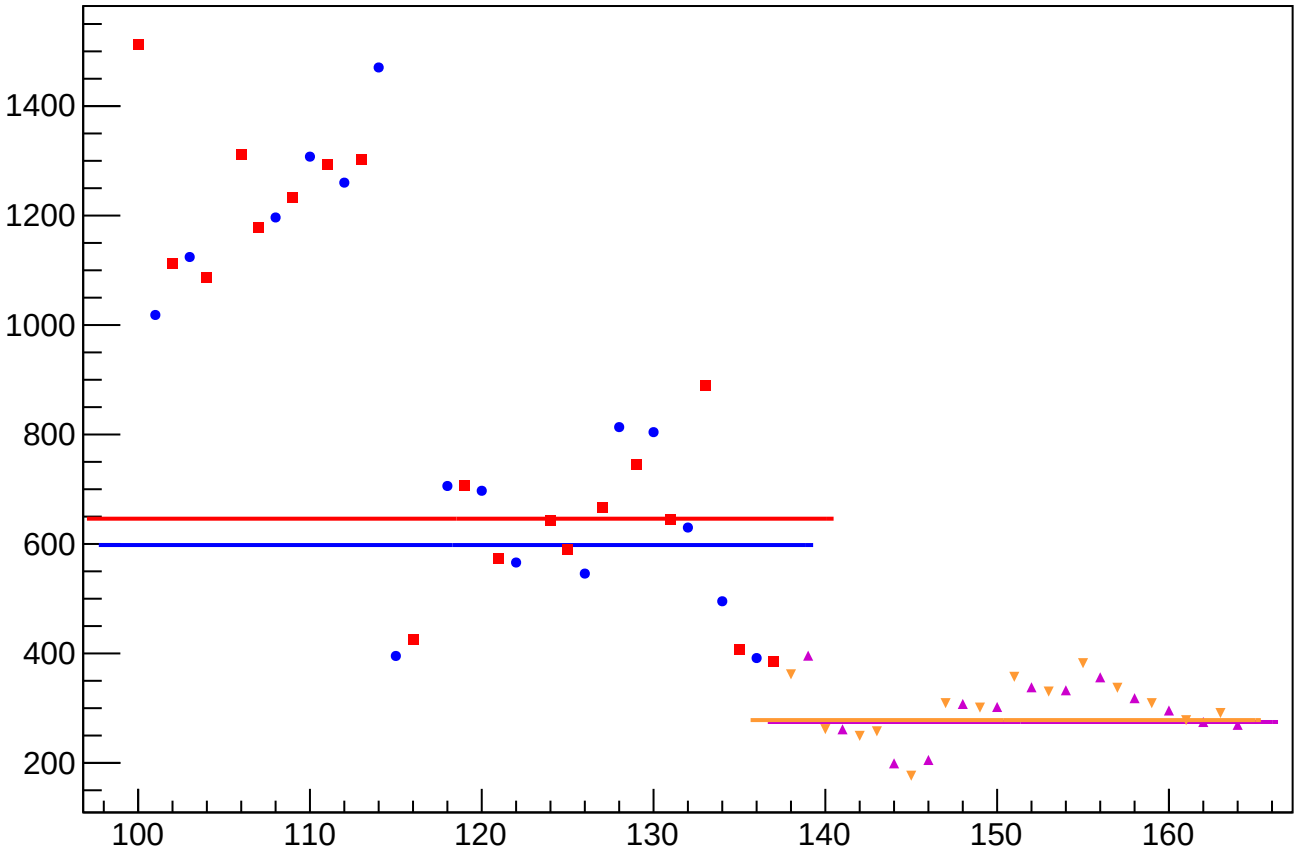
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -59.785+/-85.187 χ^2/NDF:10.0/12

\+ sign -444.185+/-80.383 χ^2/NDF: 45.4/29

All: -266.761+/-57.003 χ^2/NDF: 78.2/61

\- 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: 278.222+/-0.060 χ^2/NDF:987915.0/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

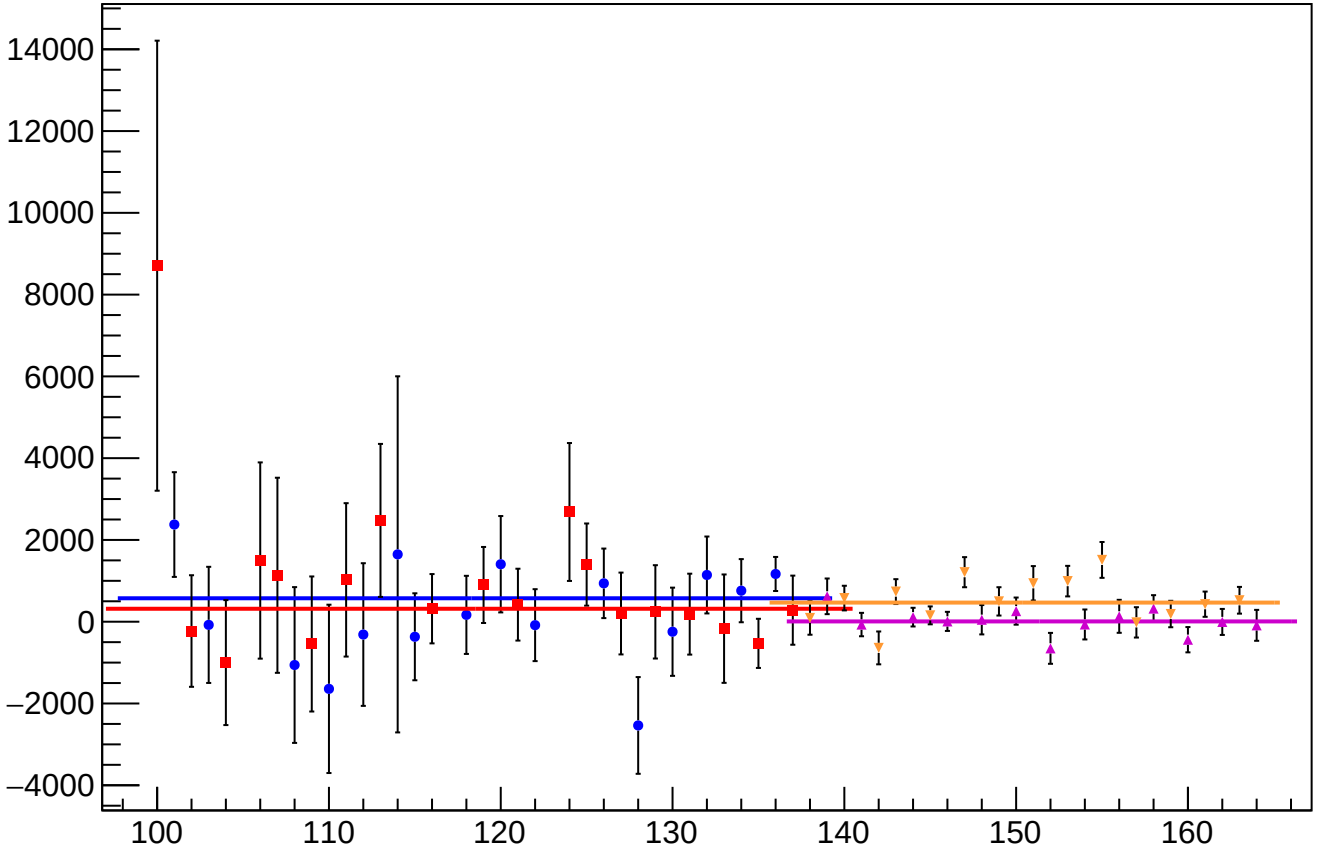
Left In: 274.742+/-0.060 χ^2/NDF:880573.5/12

+ sign 313.708+/-0.057 χ^2/NDF: 6158887.7/29

All: 312.666+/-0.040 χ^2/NDF: 13019992.7/61

- 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: 467.953+/-89.354 χ^2/NDF:26.9/13

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

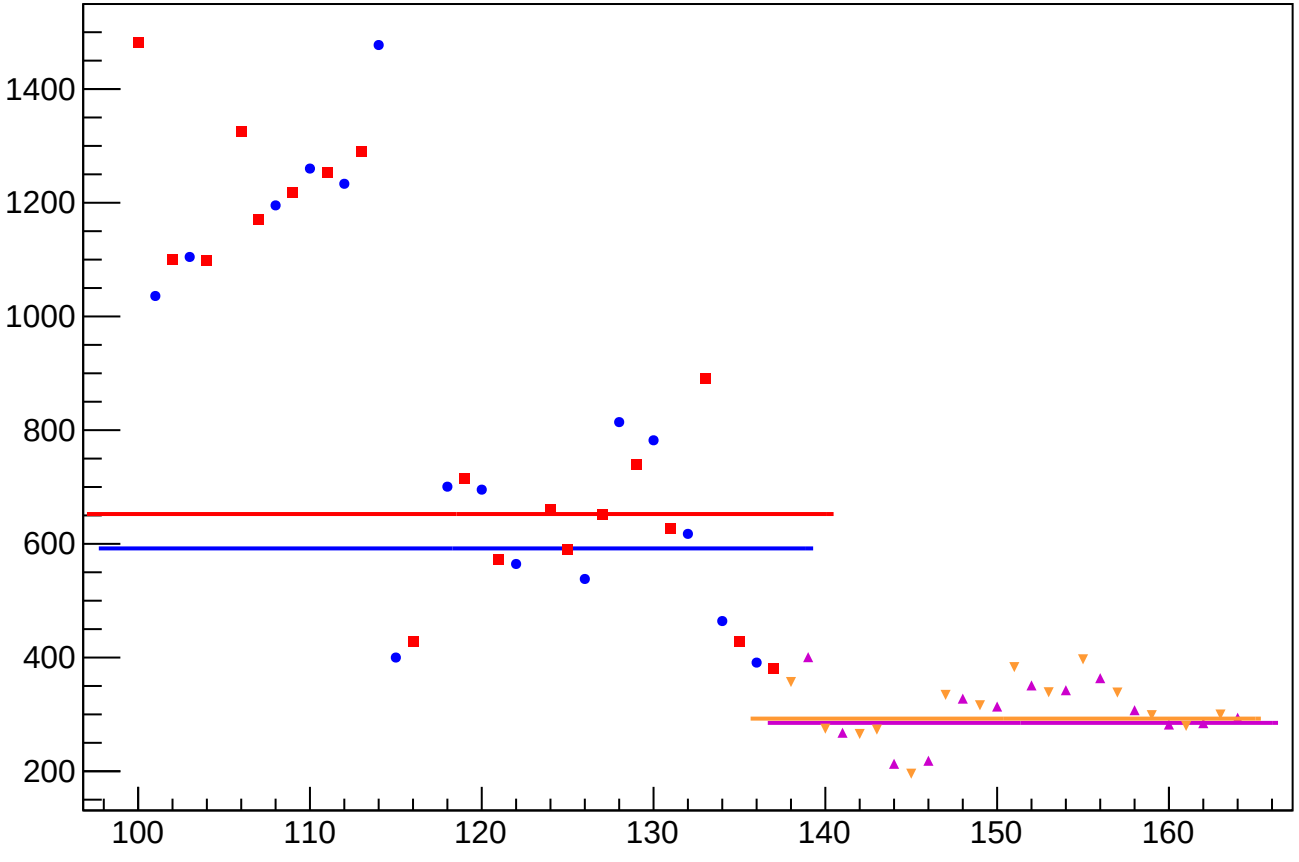
Left In: 7.136+/-88.041 χ^2/NDF:9.1/12

+ sign 480.889+/-83.692 χ^2/NDF: 43.6/29

All: 259.183+/-59.051 χ^2/NDF: 79.0/61

- 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: 292.603+/-0.063 χ^2/NDF:772242.9/13

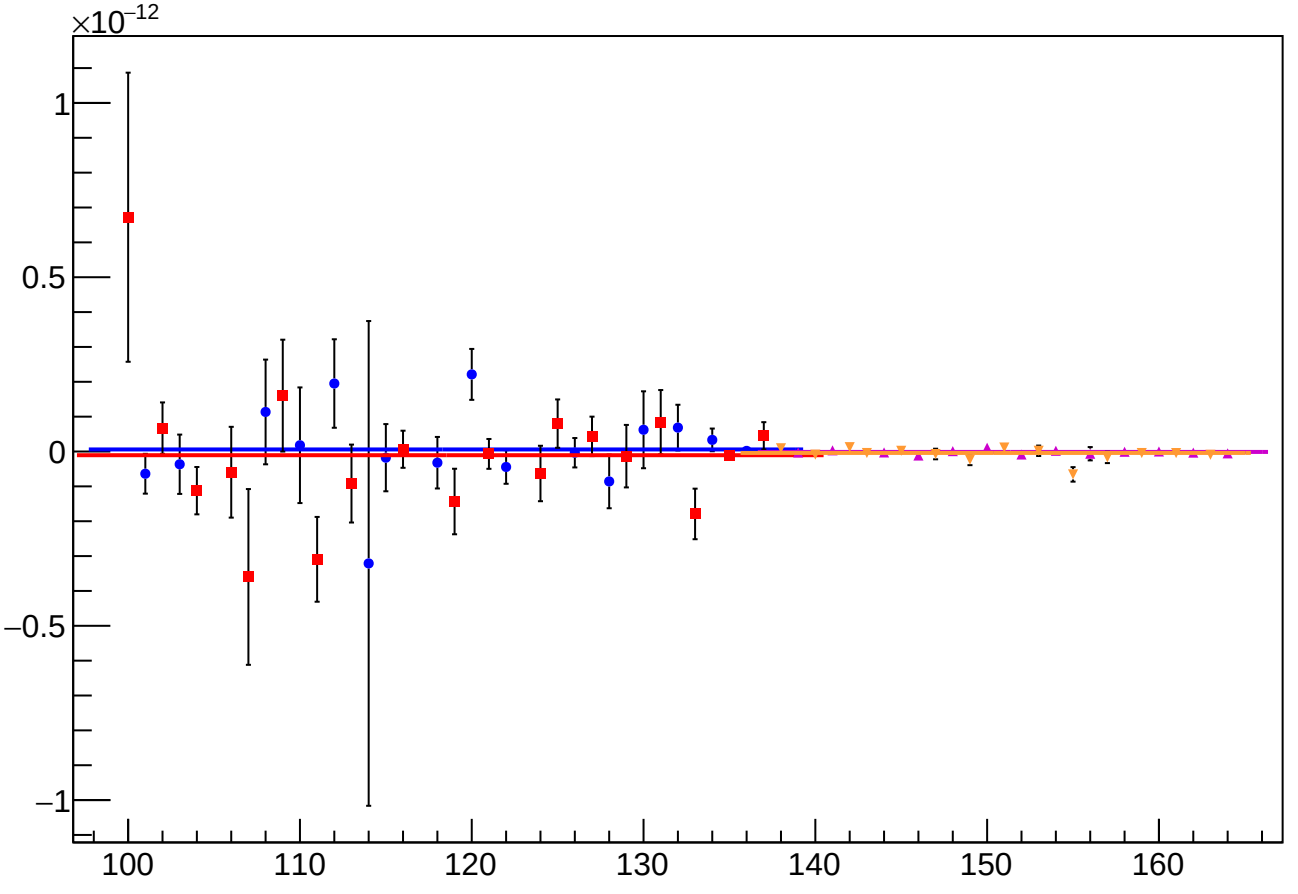
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 285.086+/-0.062 χ^2/NDF:748696.9/12

+ sign 329.337+/-0.059 χ^2/NDF: 5562723.5/29

All: 326.326+/-0.042 χ^2/NDF: 12032720.0/61

- 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:16.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

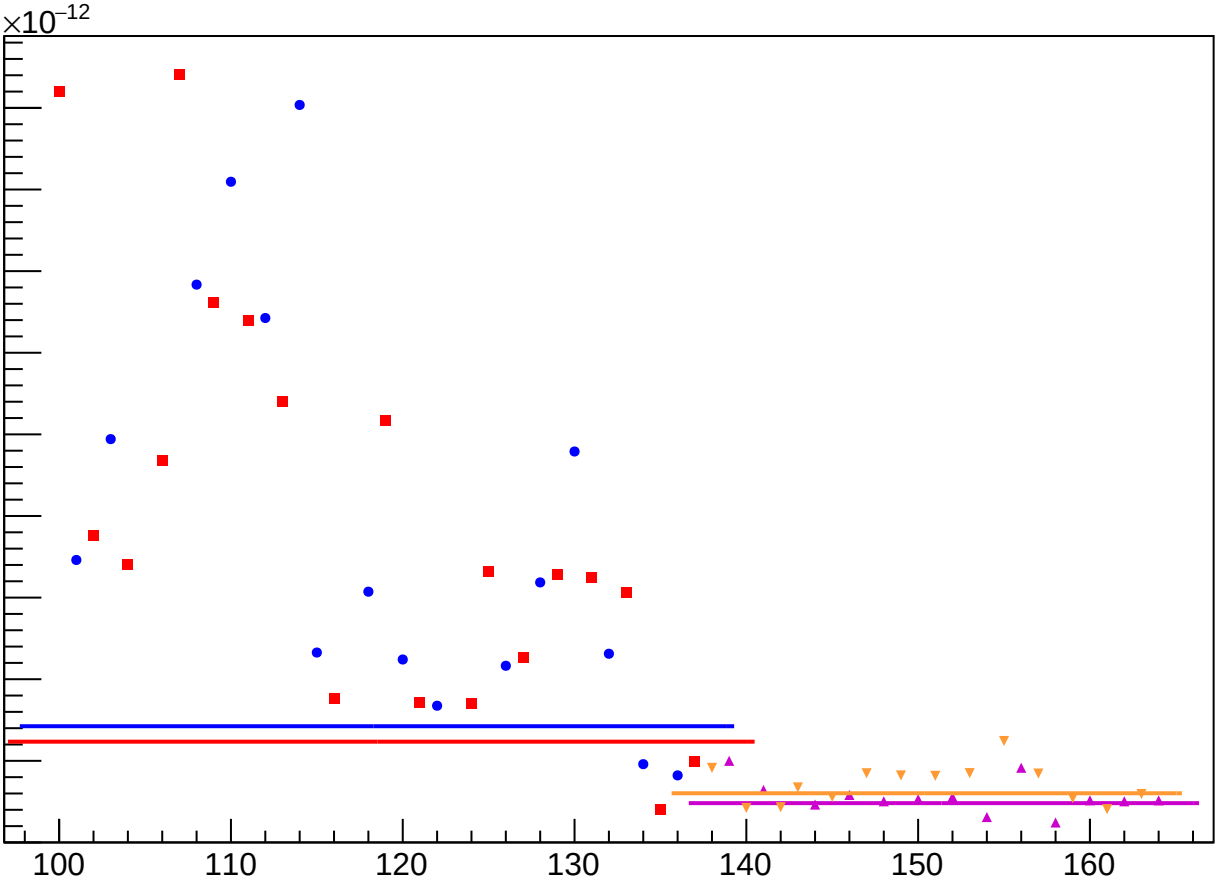
Left In: -0.000+/-0.000 χ^2/NDF:3.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/29

All: -0.000+/-0.000 χ^2/NDF: 70.1/61

- 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:824259.0/13

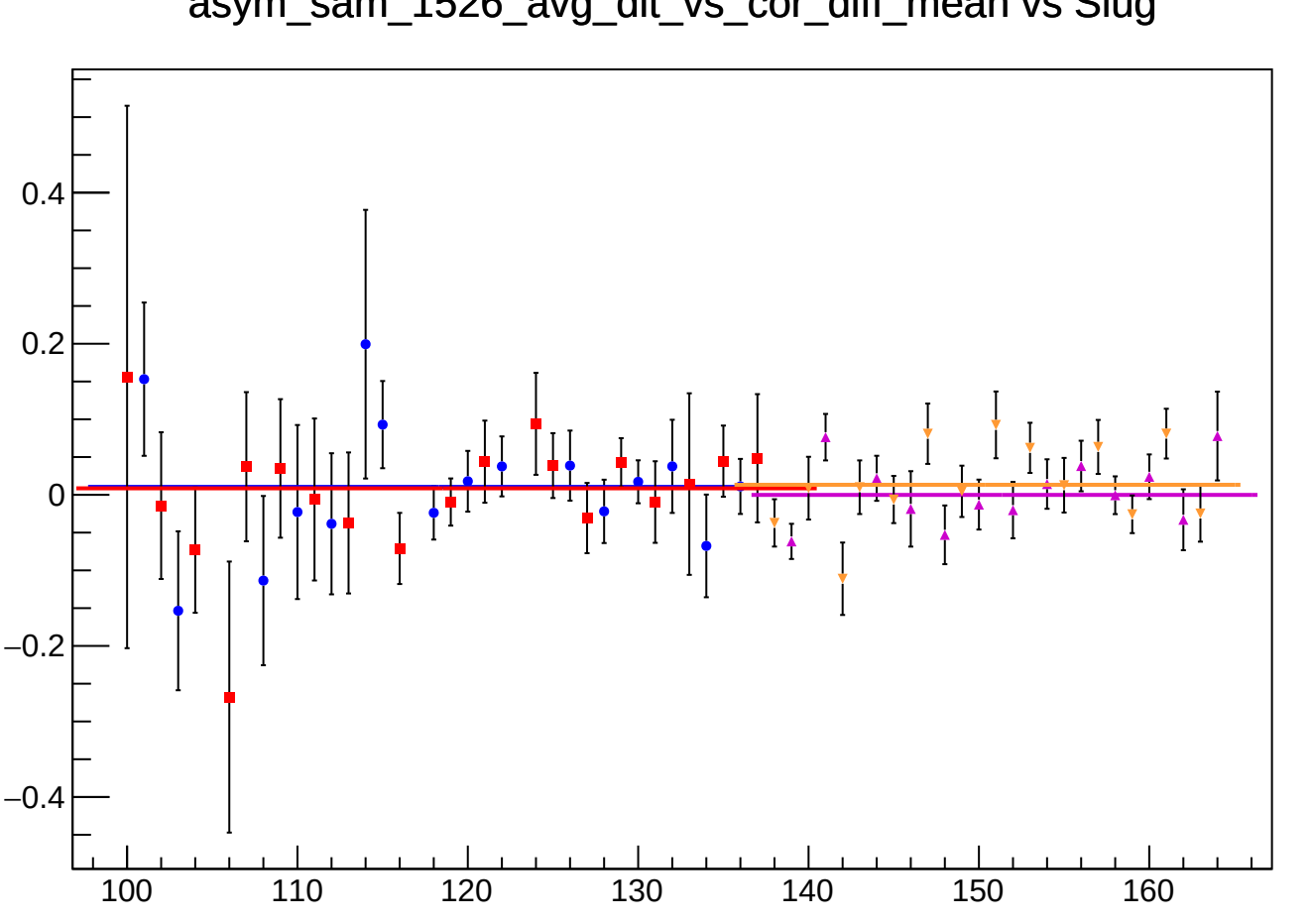
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:769586.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 4443983.5/29

All: 0.000+/-0.000 χ^2/NDF: 9894238.1/61

- 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: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

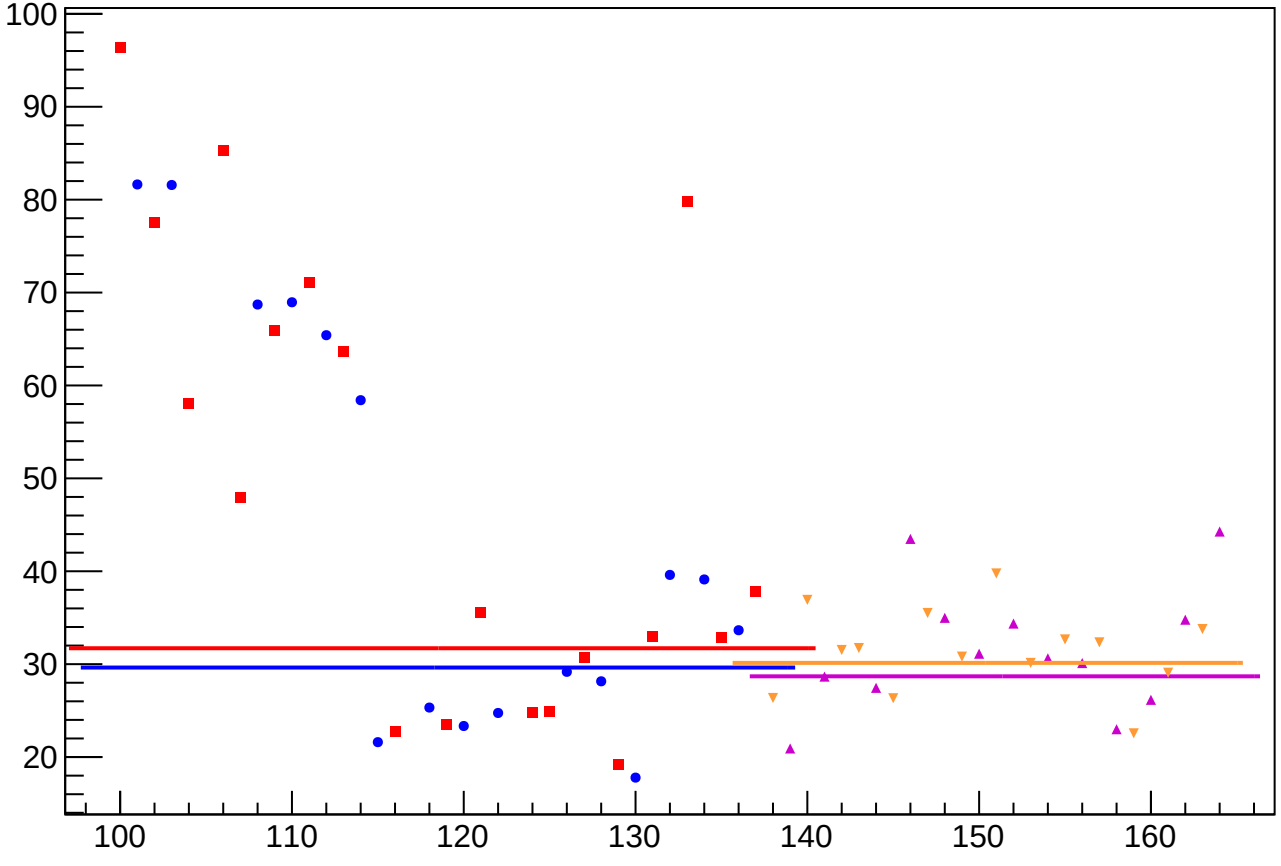
Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 75.2/61

- 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: 30.139+/-0.007 χ^2/NDF:473467.1/13

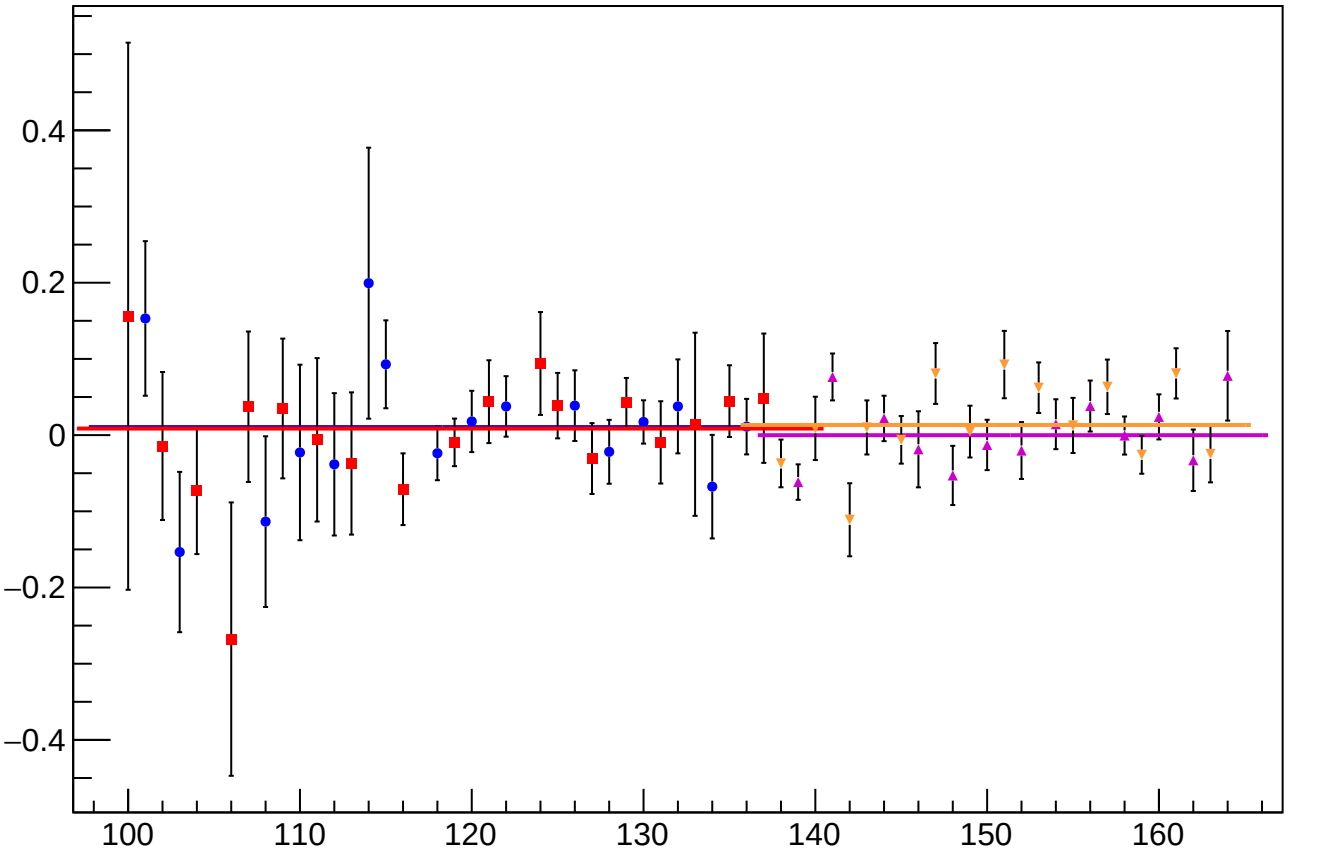
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

+ sign 29.960+/-0.005 χ^2/NDF: 2924019.8/29

All: 29.807+/-0.004 χ^2/NDF: 6474864.5/61

- 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: 0.013+/-0.009 χ^2/NDF:27.7/13

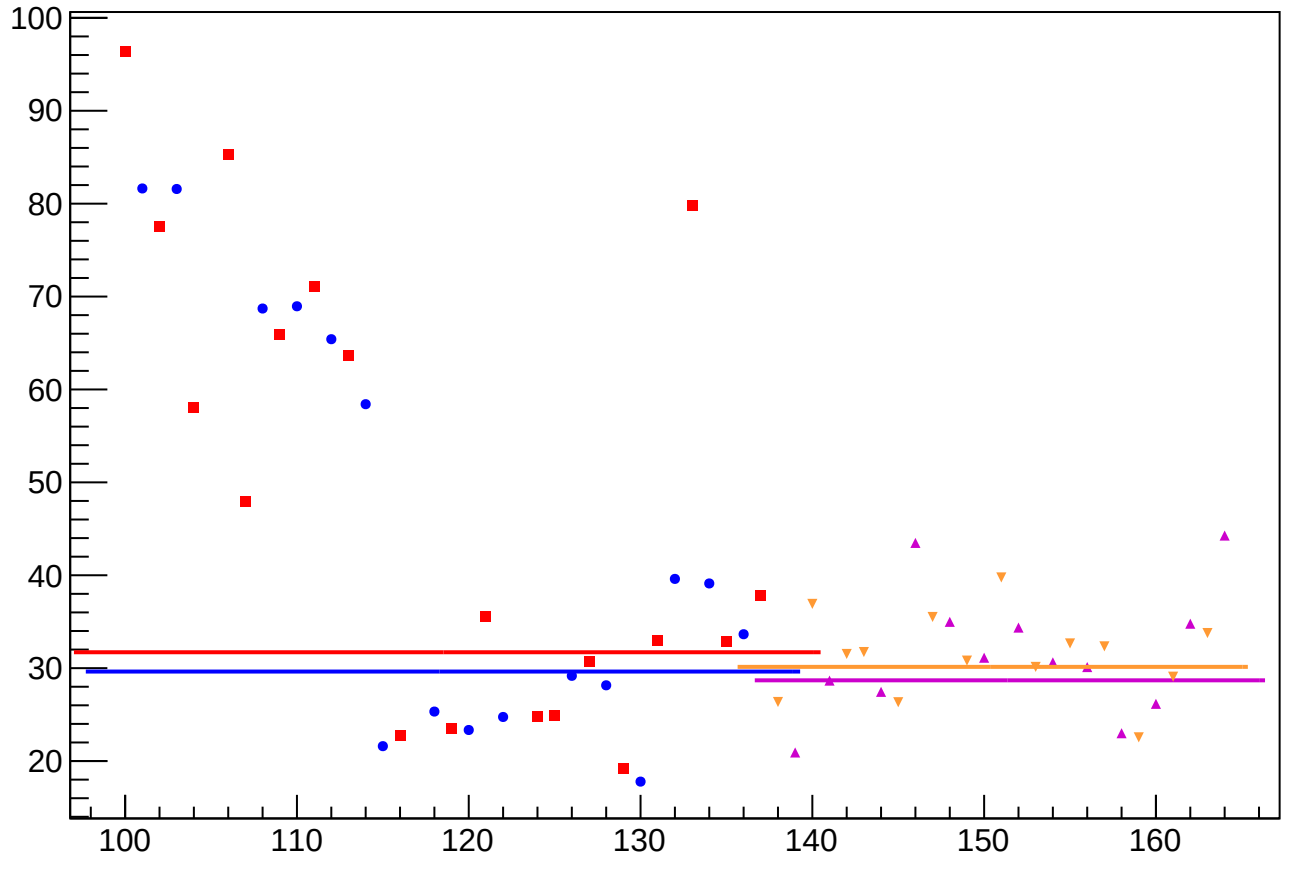
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 75.2/61

- sign 0.003+/-0.007 χ^2/NDF: 33.4/31



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

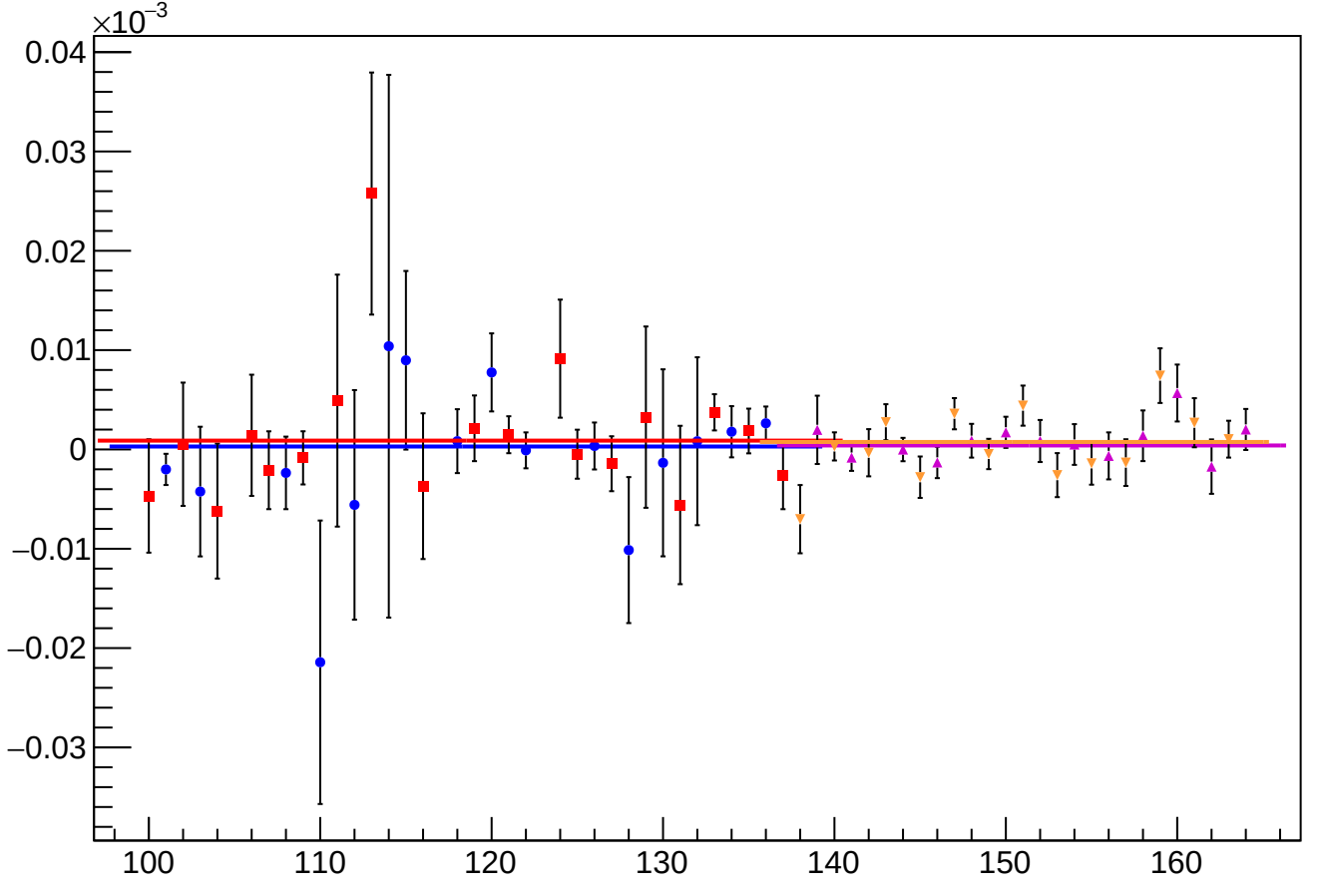
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

+ sign 29.960+/-0.005 χ^2/NDF: 2924019.8/29

All: 29.807+/-0.004 χ^2/NDF: 6474864.5/61

- 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:27.3/13

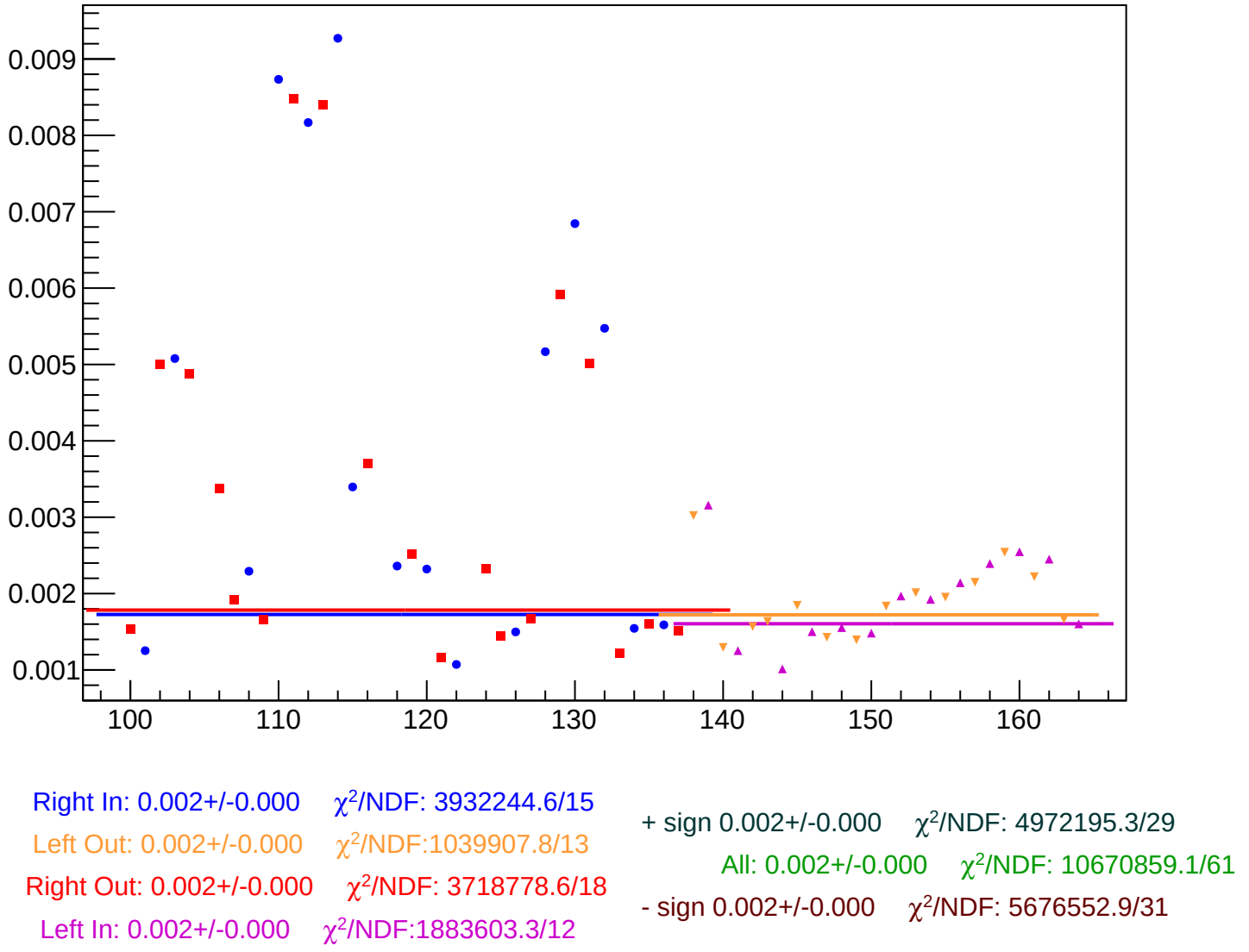
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

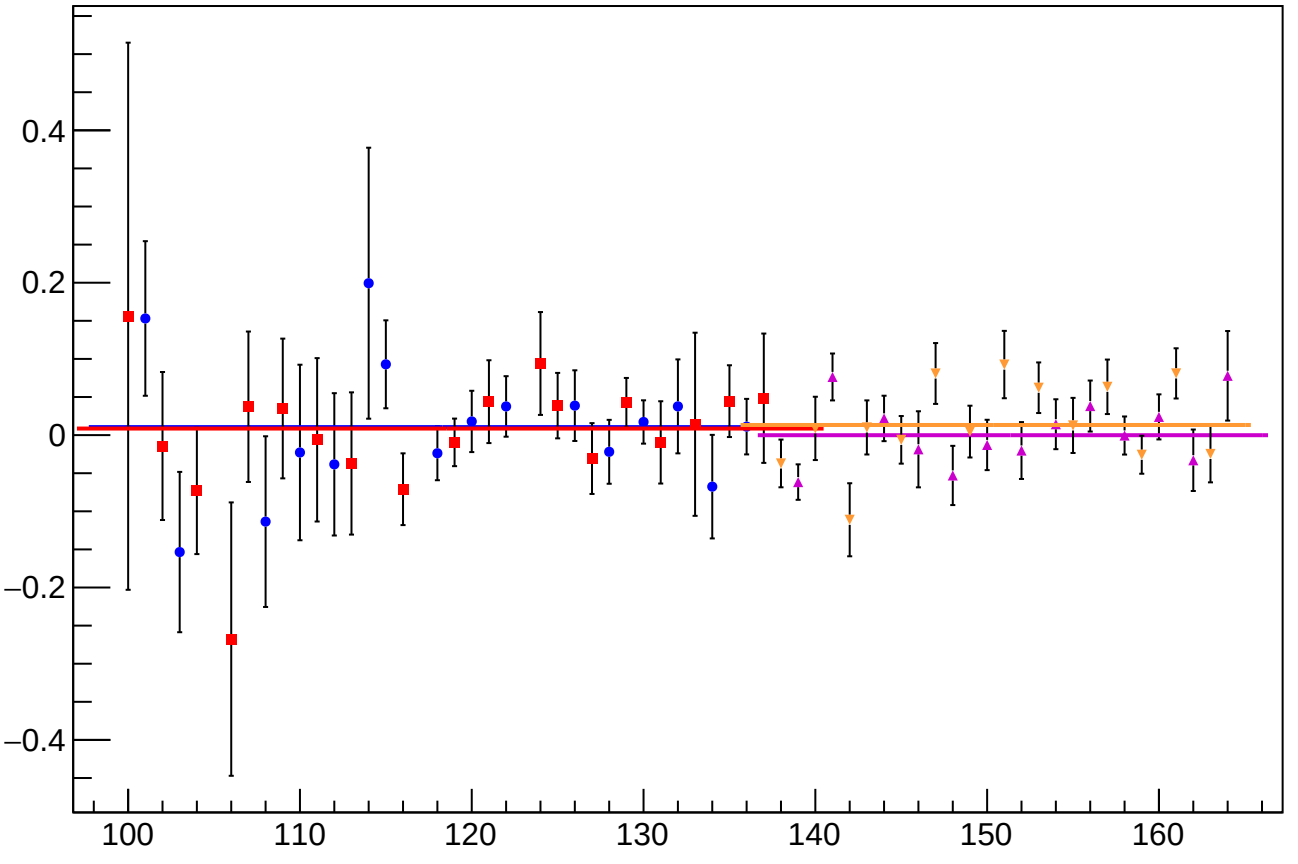
Left In: 0.000+/-0.000 χ^2/NDF:8.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/29

All: 0.000+/-0.000 χ^2/NDF: 66.1/61

- sign 0.000+/-0.000 χ^2/NDF: 23.8/31


asym_sam_1526_avg_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: 3932244.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1039907.8/13
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.002+/-0.000 χ²/NDF:1883603.3/12
+ sign 0.002+/-0.000 χ²/NDF: 4972195.3/29
All: 0.002+/-0.000 χ²/NDF: 10670859.1/61
- sign 0.002+/-0.000 χ²/NDF: 5676552.9/31



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

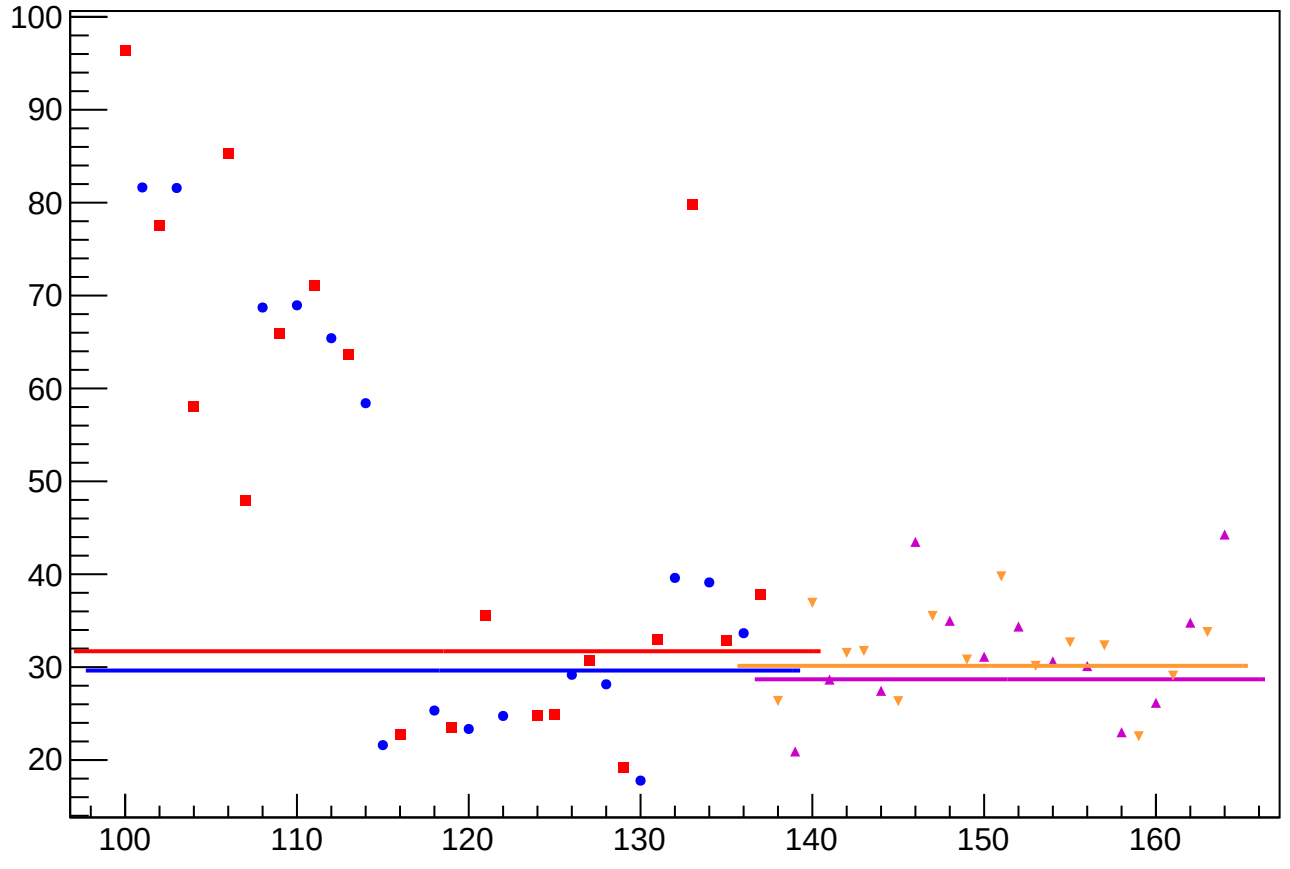
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 75.2/61

- 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: 30.139+/-0.007 χ^2/NDF:473494.4/13

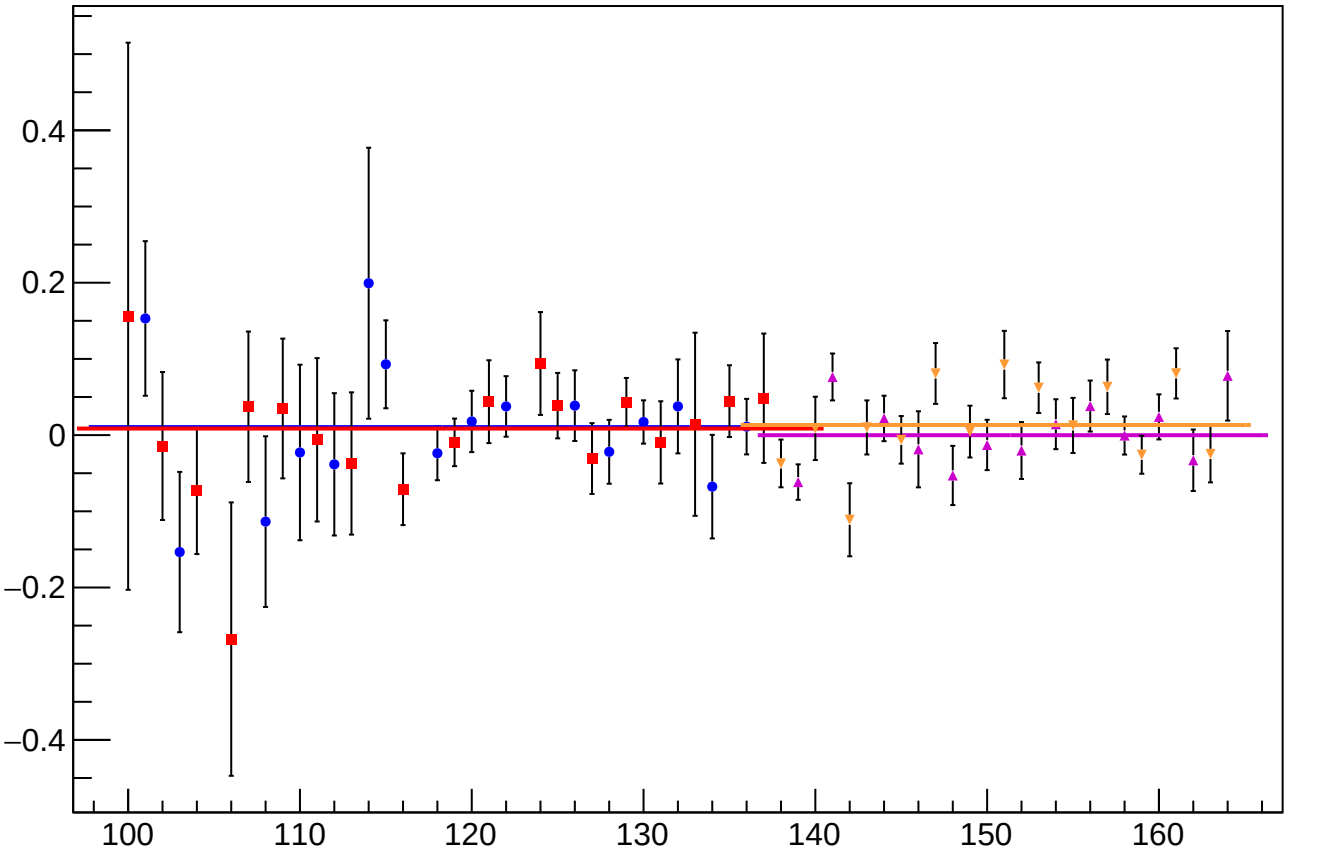
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

\+ sign 29.960+/-0.005 χ^2/NDF: 2924262.2/29

All: 29.806+/-0.004 χ^2/NDF: 6475233.7/61

\- 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: 0.013+/-0.009 χ^2/NDF:27.7/13

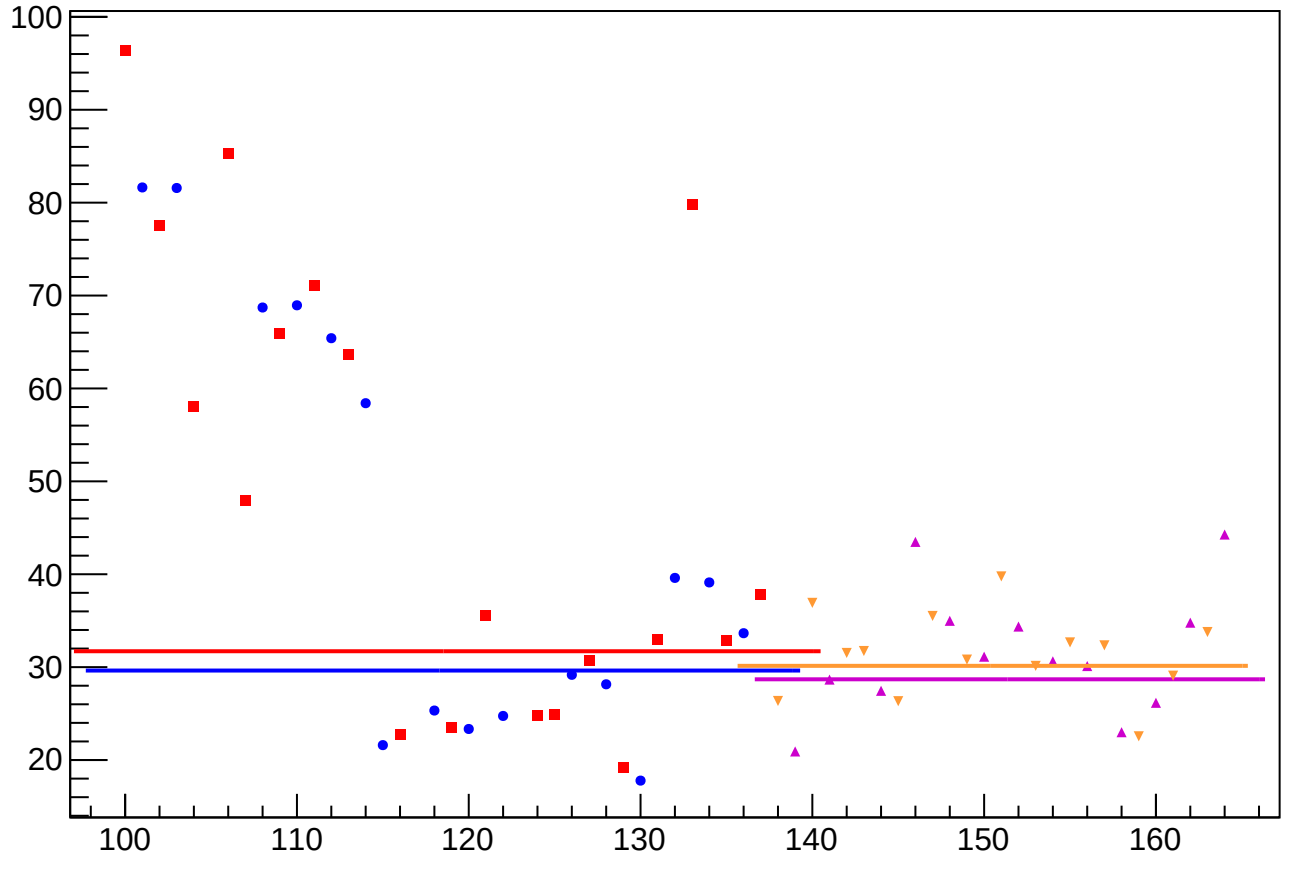
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 75.2/61

- 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: 30.139+/-0.007 χ^2/NDF:473494.4/13

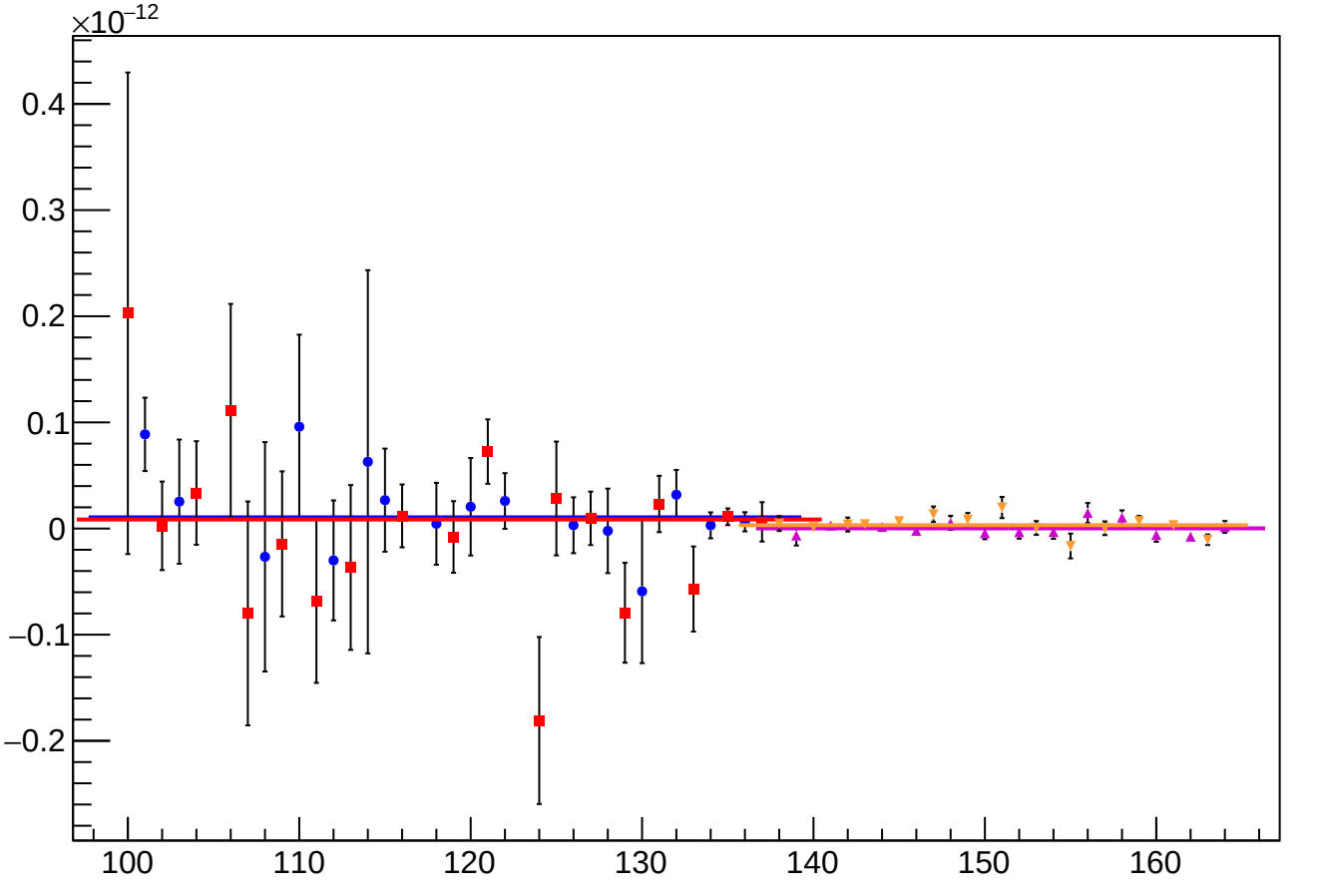
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

+ sign 29.960+/-0.005 χ^2/NDF: 2924262.2/29

All: 29.806+/-0.004 χ^2/NDF: 6475233.7/61

- 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:17.9/13

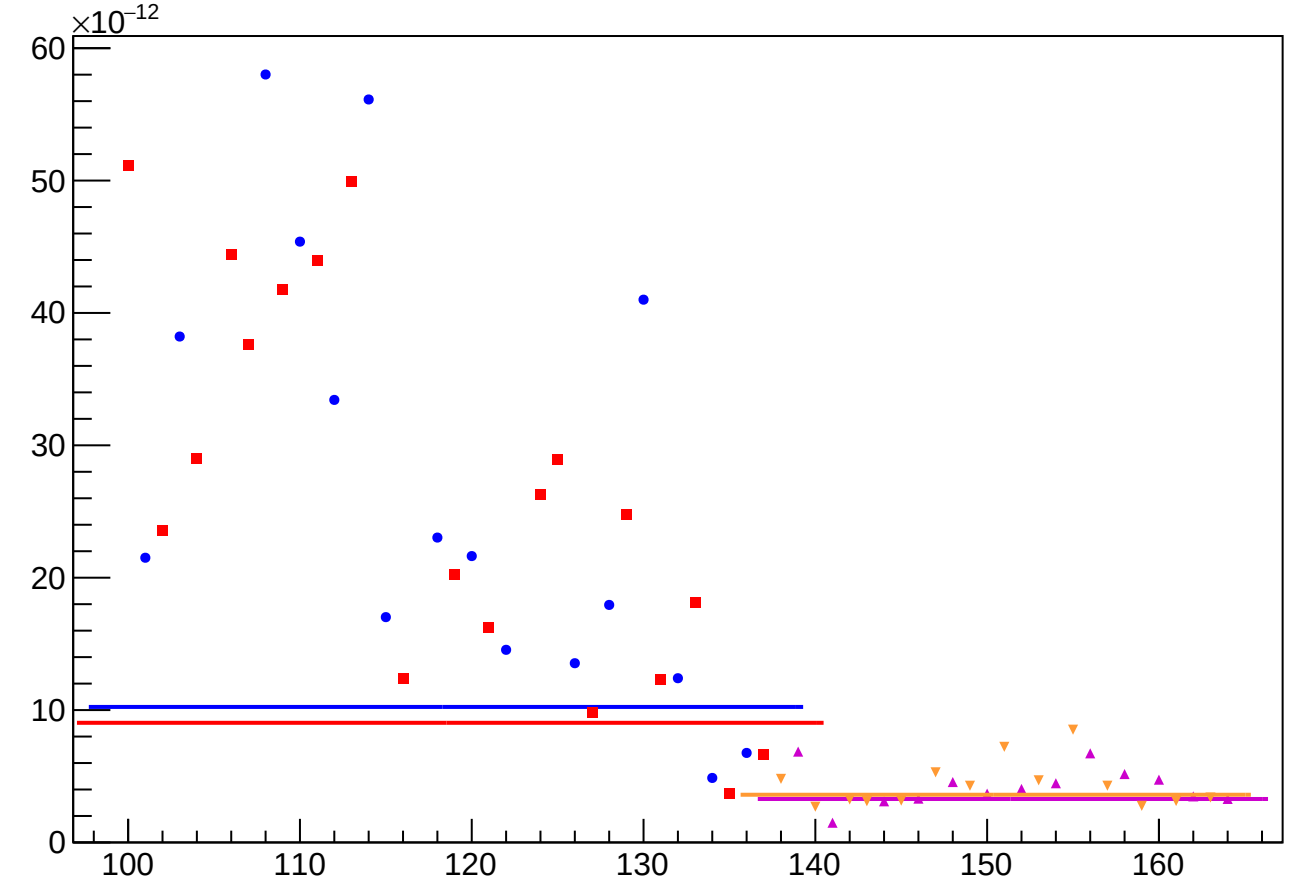
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.2/61

- 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:1137939.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

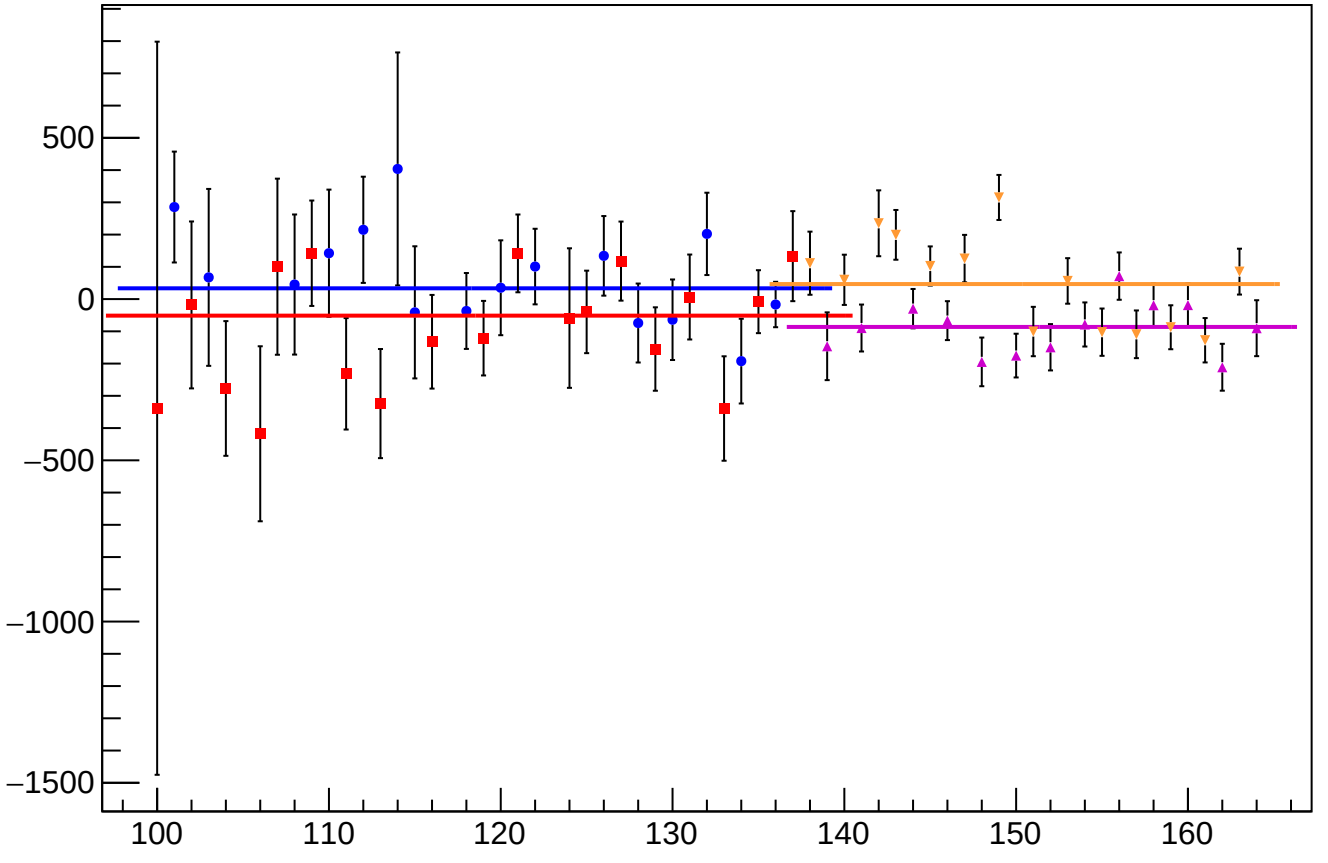
Left In: 0.000+/-0.000 χ^2/NDF:1889301.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 6957298.7/29

All: 0.000+/-0.000 χ^2/NDF: 15223767.1/61

- 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: 46.604+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

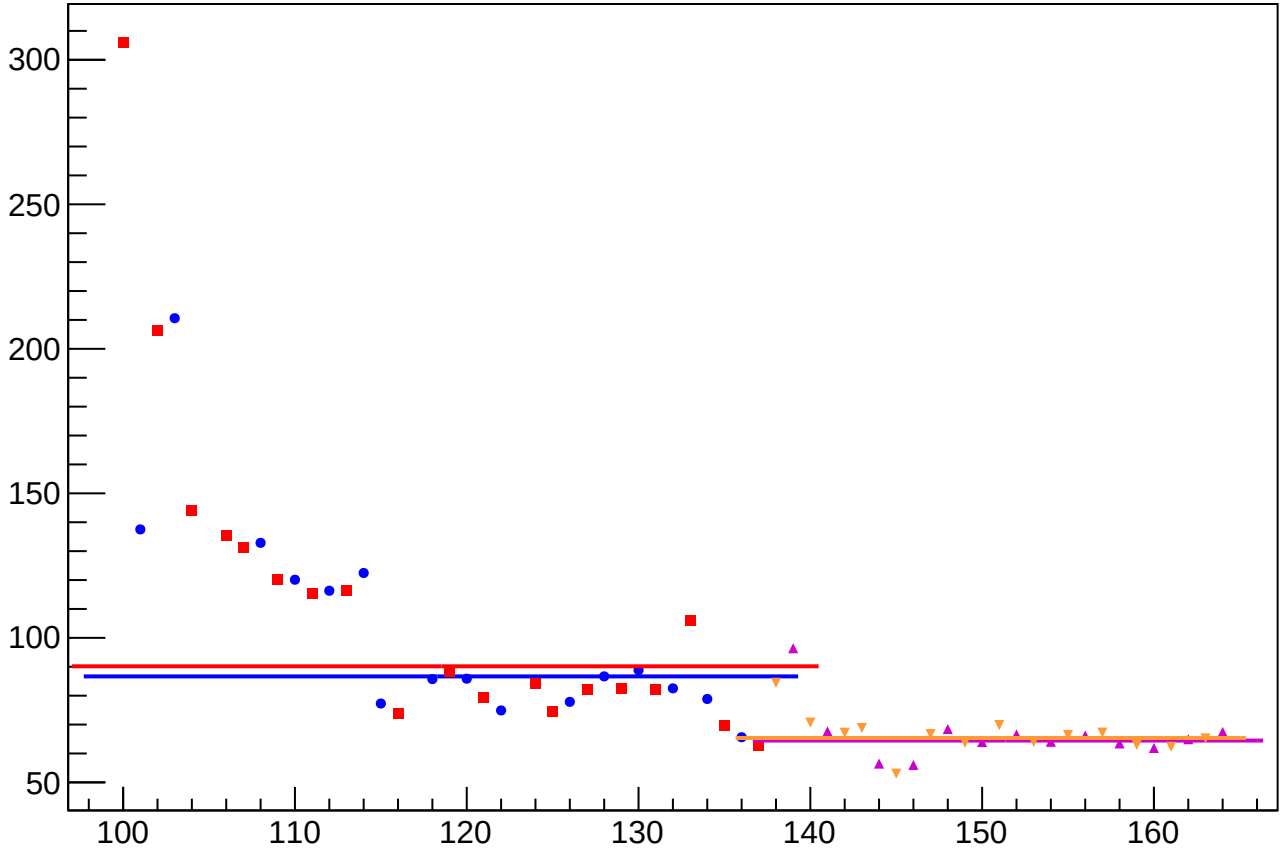
Left In: -86.348+/-19.741 χ^2/NDF:15.4/12

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -16.933+/-12.110 χ^2/NDF: 121.1/61

- 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: 65.362+/-0.014 χ^2/NDF:190215.9/13

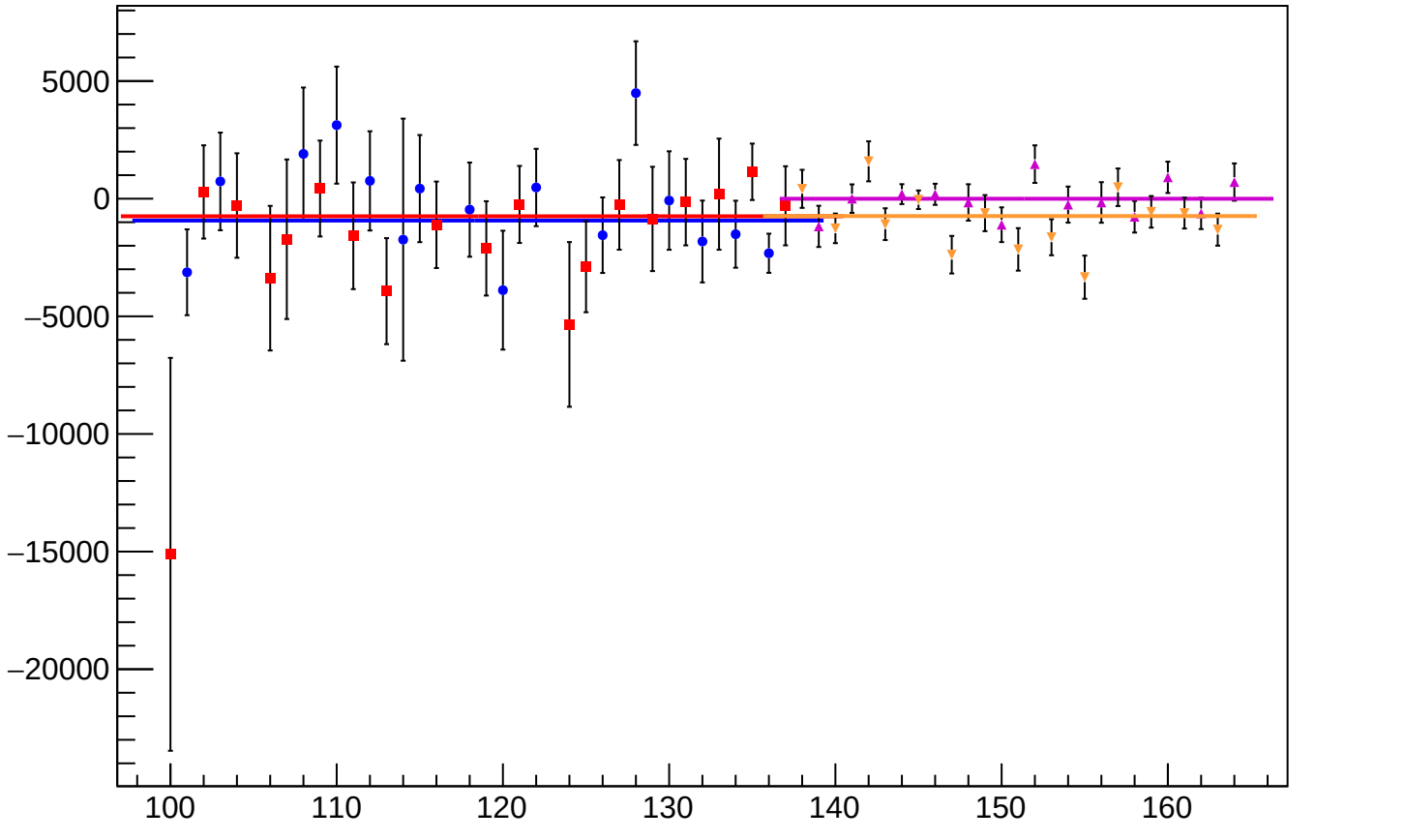
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 70.773+/-0.012 χ^2/NDF: 1818959.0/29

All: 70.741+/-0.009 χ^2/NDF: 4067412.1/61

- 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: -738.340+/-183.547 χ^2/NDF:32.9/13

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

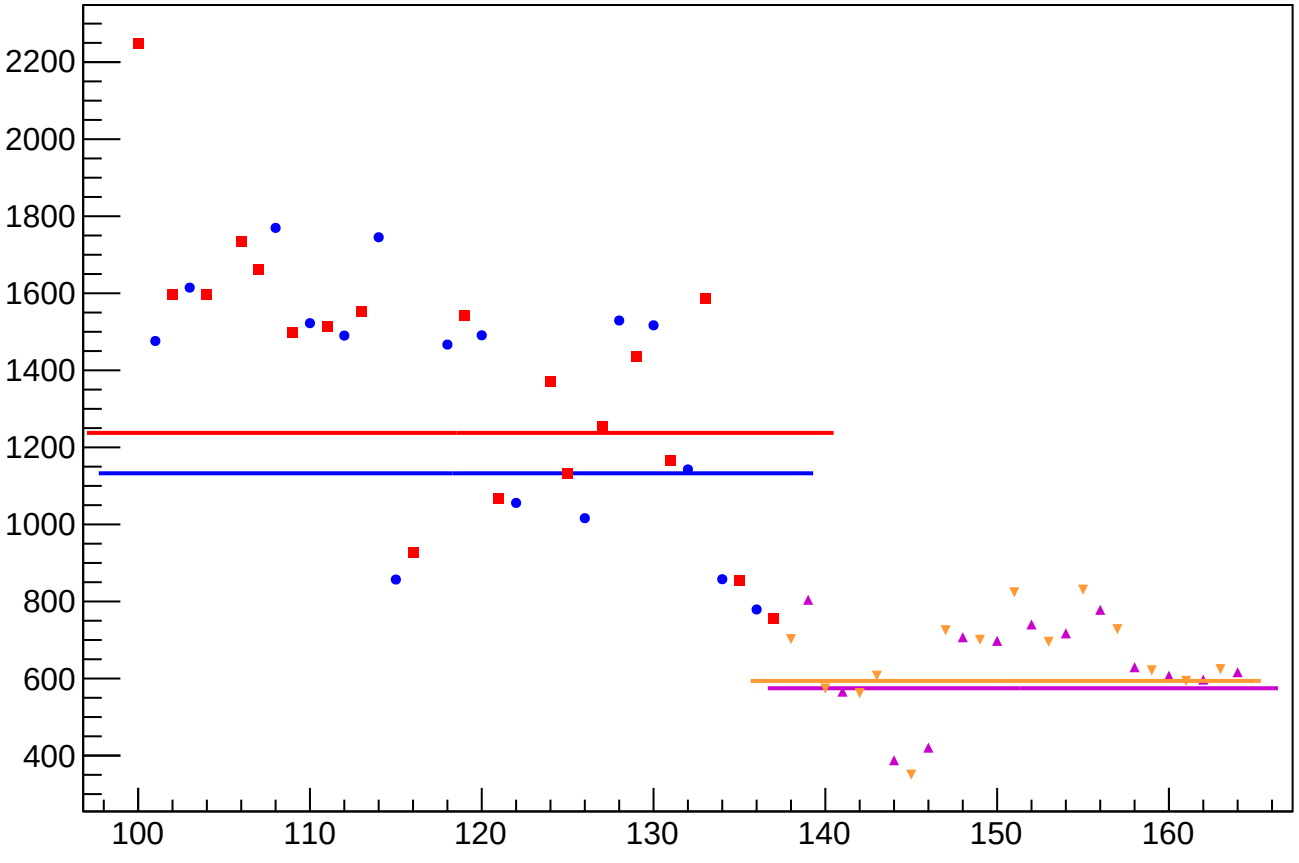
Left In: -2.746+/-179.538 χ^2/NDF:12.9/12

+ sign -766.624+/-169.450 χ^2/NDF: 51.5/29

All: -428.831+/-119.167 χ^2/NDF: 87.5/61

- 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: 593.800+/-0.130 χ^2/NDF:1256245.3/13

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

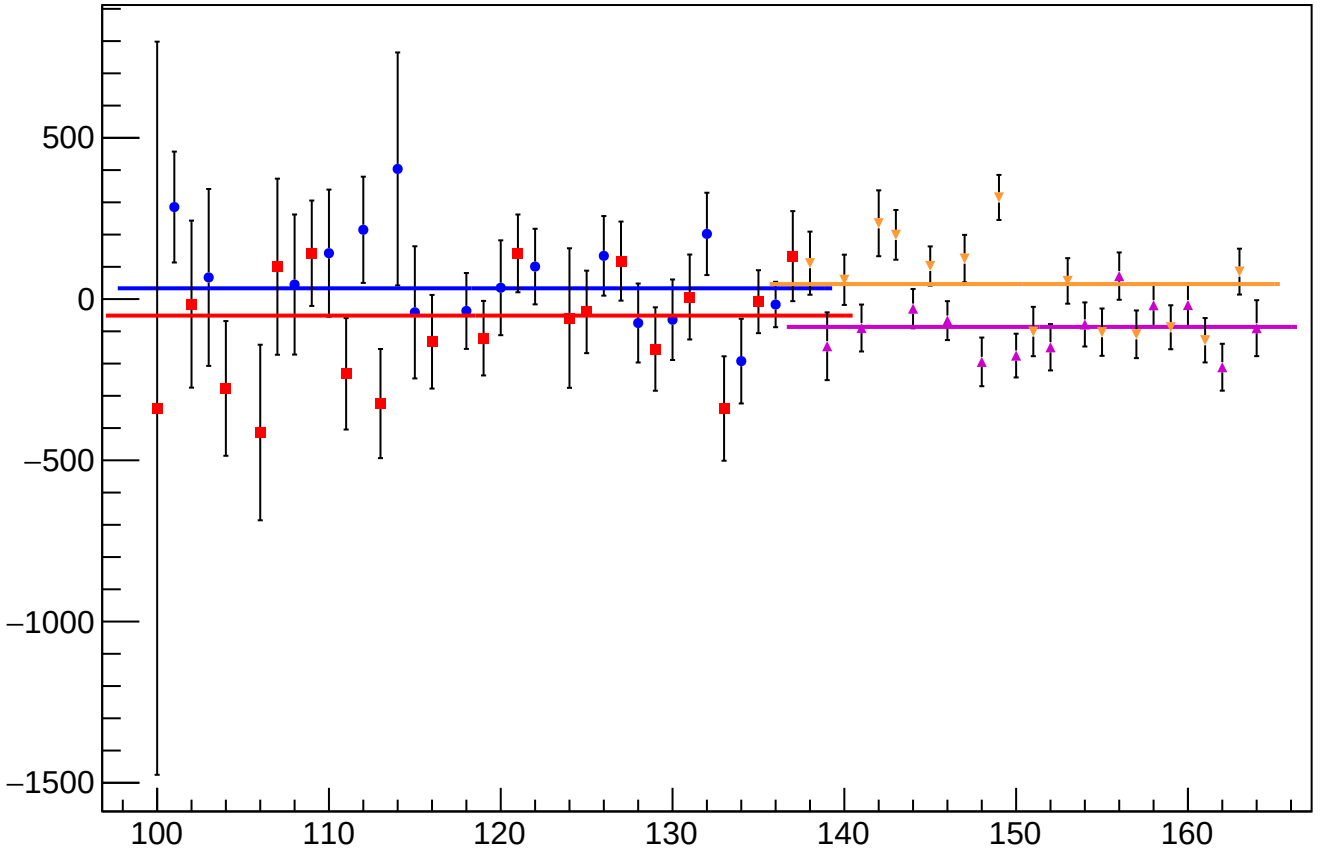
Left In: 574.767+/-0.127 χ^2/NDF:1171257.8/12

+ sign 673.400+/-0.120 χ^2/NDF: 4926916.2/29

All: 666.542+/-0.084 χ^2/NDF: 10498334.9/61

- 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: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

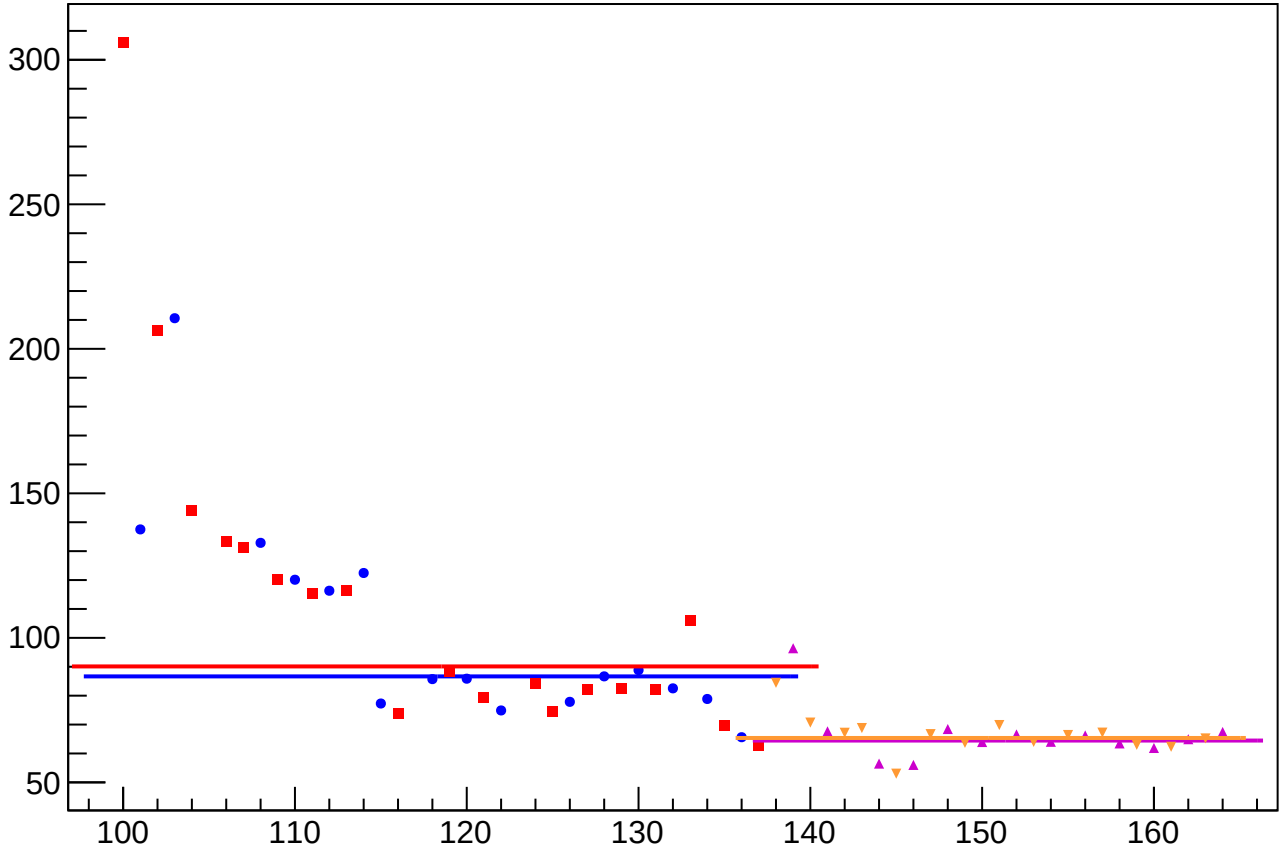
Left In: -86.347+/-19.741 χ^2/NDF:15.4/12

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -16.914+/-12.110 χ^2/NDF: 121.0/61

- 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: 65.362+/-0.014 χ^2/NDF:190215.9/13

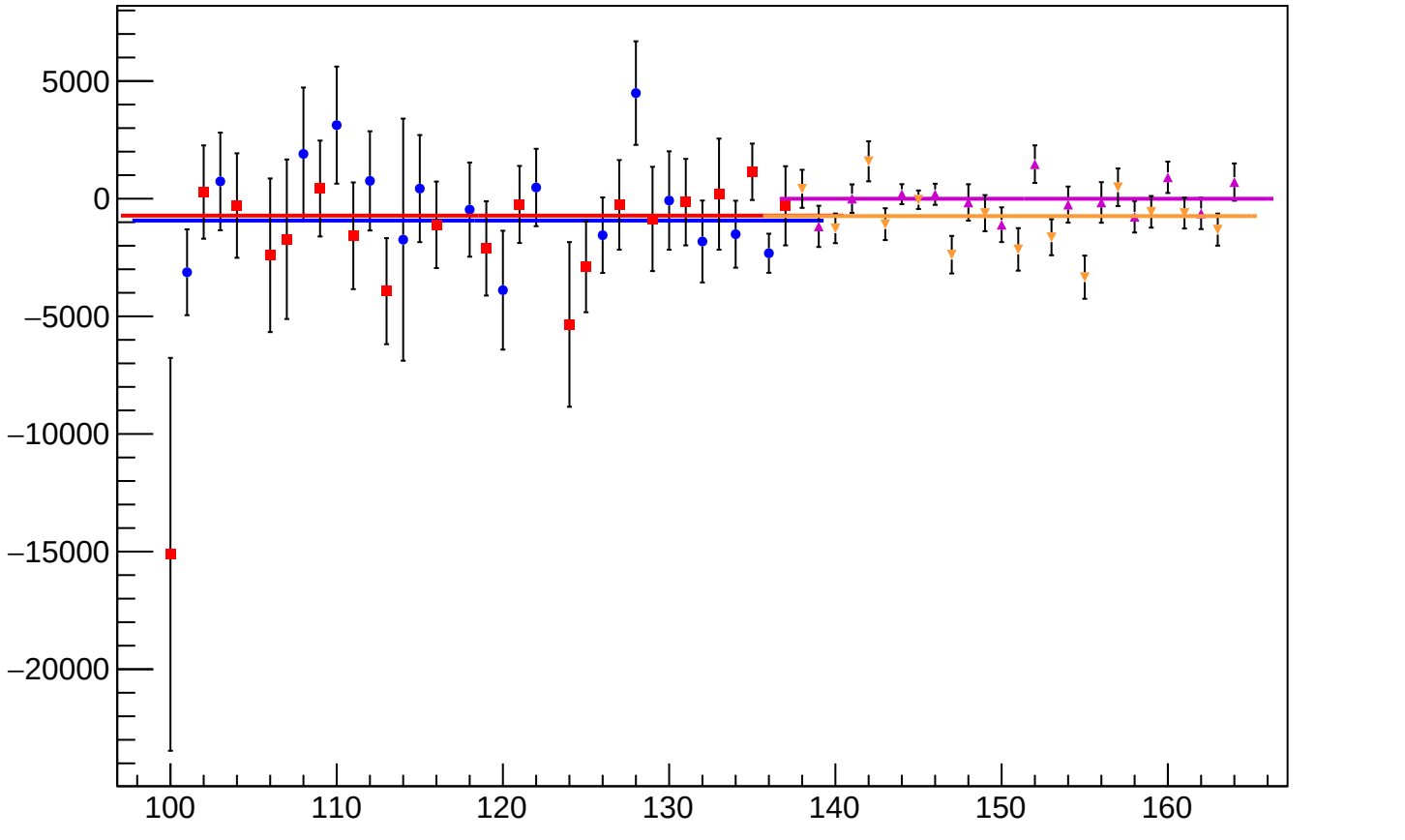
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 70.773+/-0.012 χ^2/NDF: 1818961.5/29

All: 70.736+/-0.009 χ^2/NDF: 4060276.7/61

- 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: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

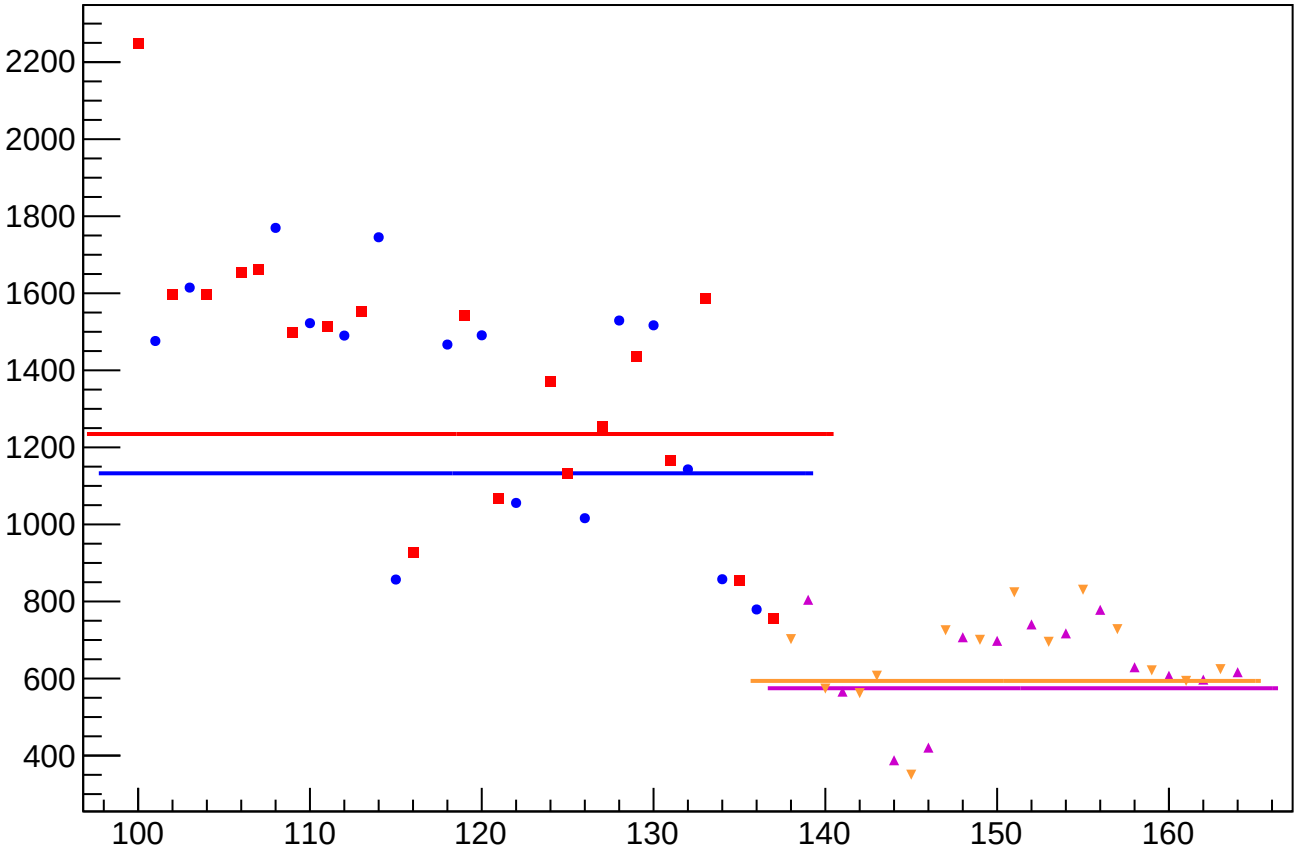
Left In: -2.747+/-179.538 χ^2/NDF:12.9/12

+ sign -766.615+/-169.450 χ^2/NDF: 51.5/29

All: -427.050+/-119.178 χ^2/NDF: 86.9/61

- 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: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

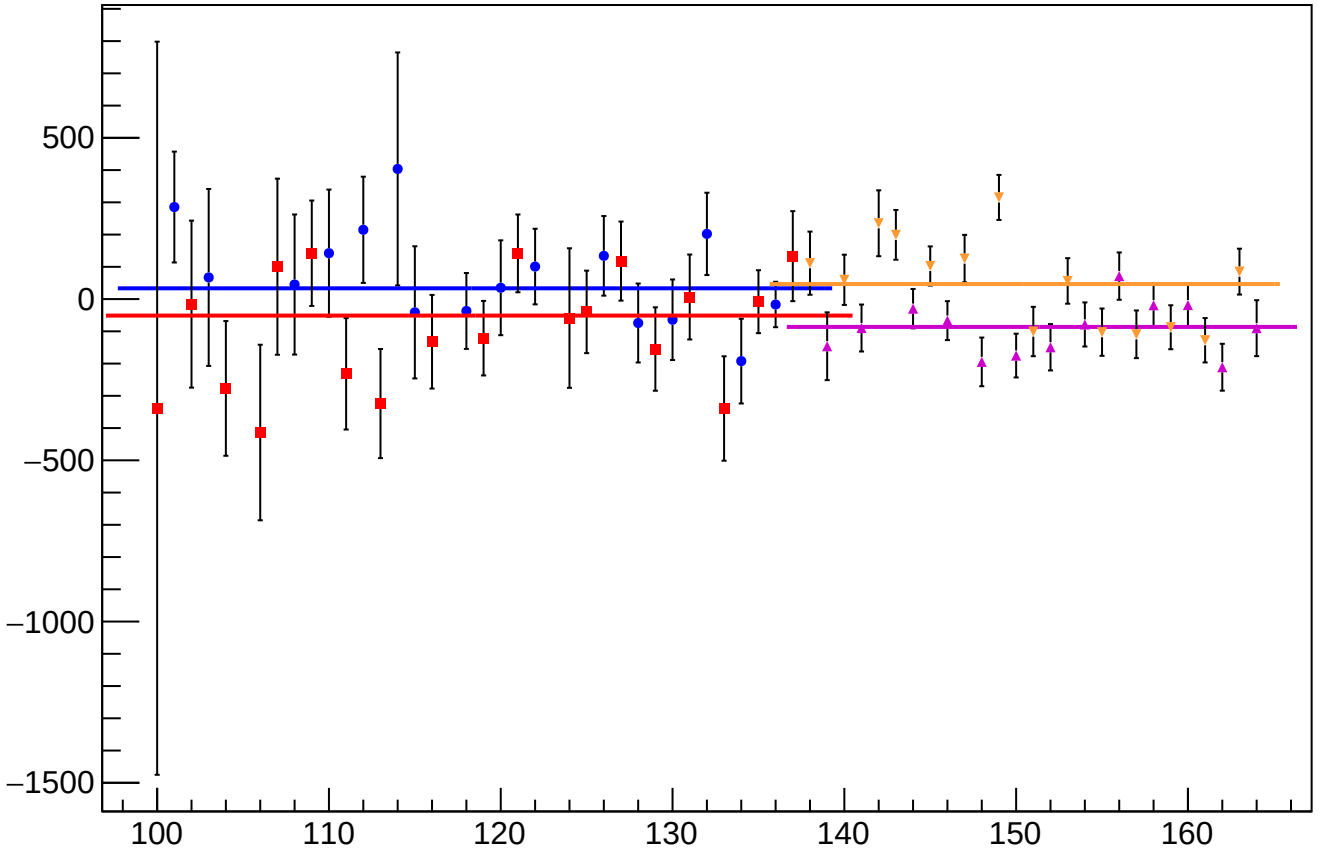
Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

+ sign 673.400+/-0.120 χ^2/NDF: 4926958.8/29

All: 666.255+/-0.084 χ^2/NDF: 10441307.4/61

- 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: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

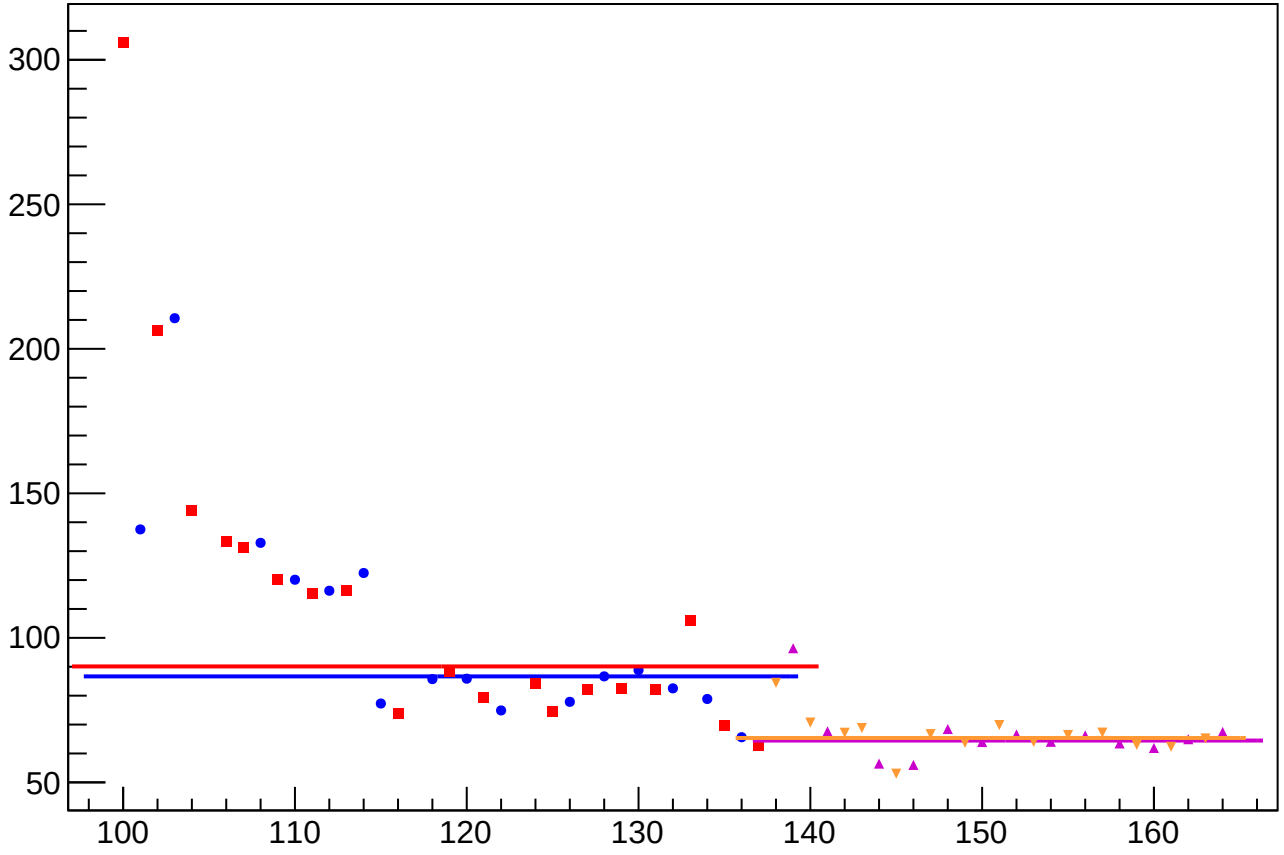
Left In: -86.347+/-19.741 χ^2/NDF:15.4/12

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -16.914+/-12.110 χ^2/NDF: 121.0/61

- 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: 65.362+/-0.014 χ^2/NDF:190215.9/13

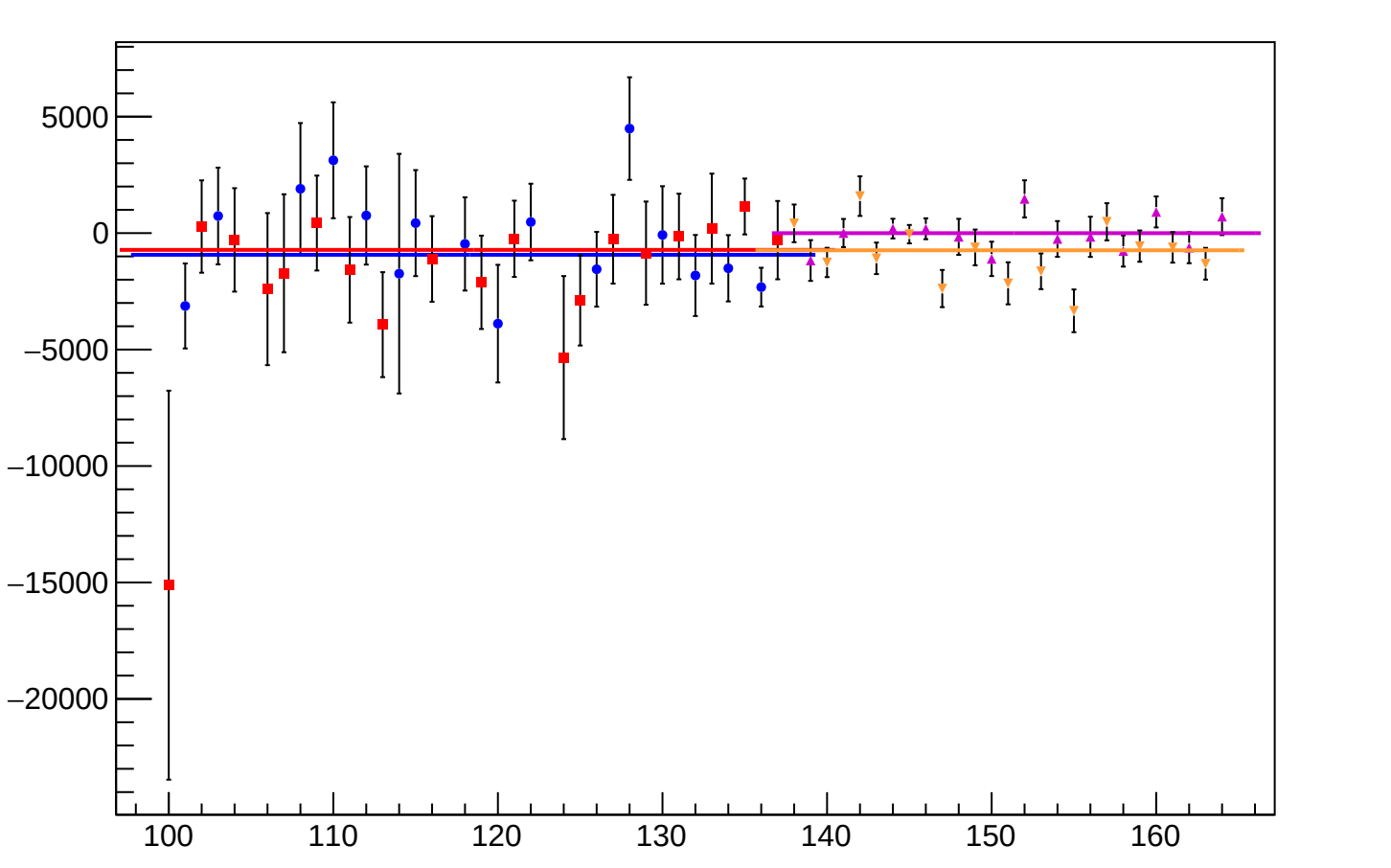
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 70.773+/-0.012 χ^2/NDF: 1818961.5/29

All: 70.736+/-0.009 χ^2/NDF: 4060276.7/61

- 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: -738.335+/-183.547 χ^2/NDF:32.9/13

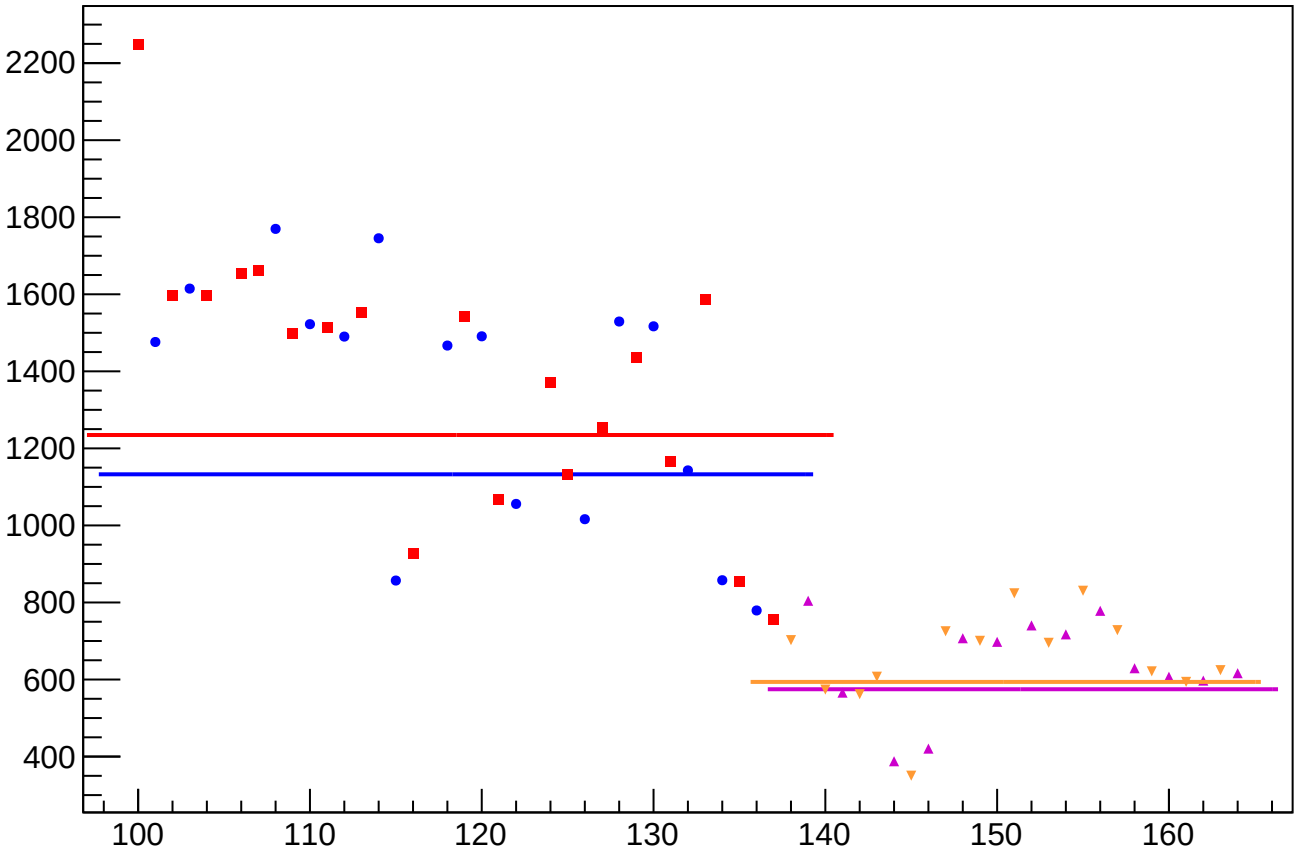
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -2.747+/-179.538 χ^2/NDF:12.9/12

+ sign -766.615+/-169.450 χ^2/NDF: 51.5/29

All: -427.050+/-119.178 χ^2/NDF: 86.9/61

- 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: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

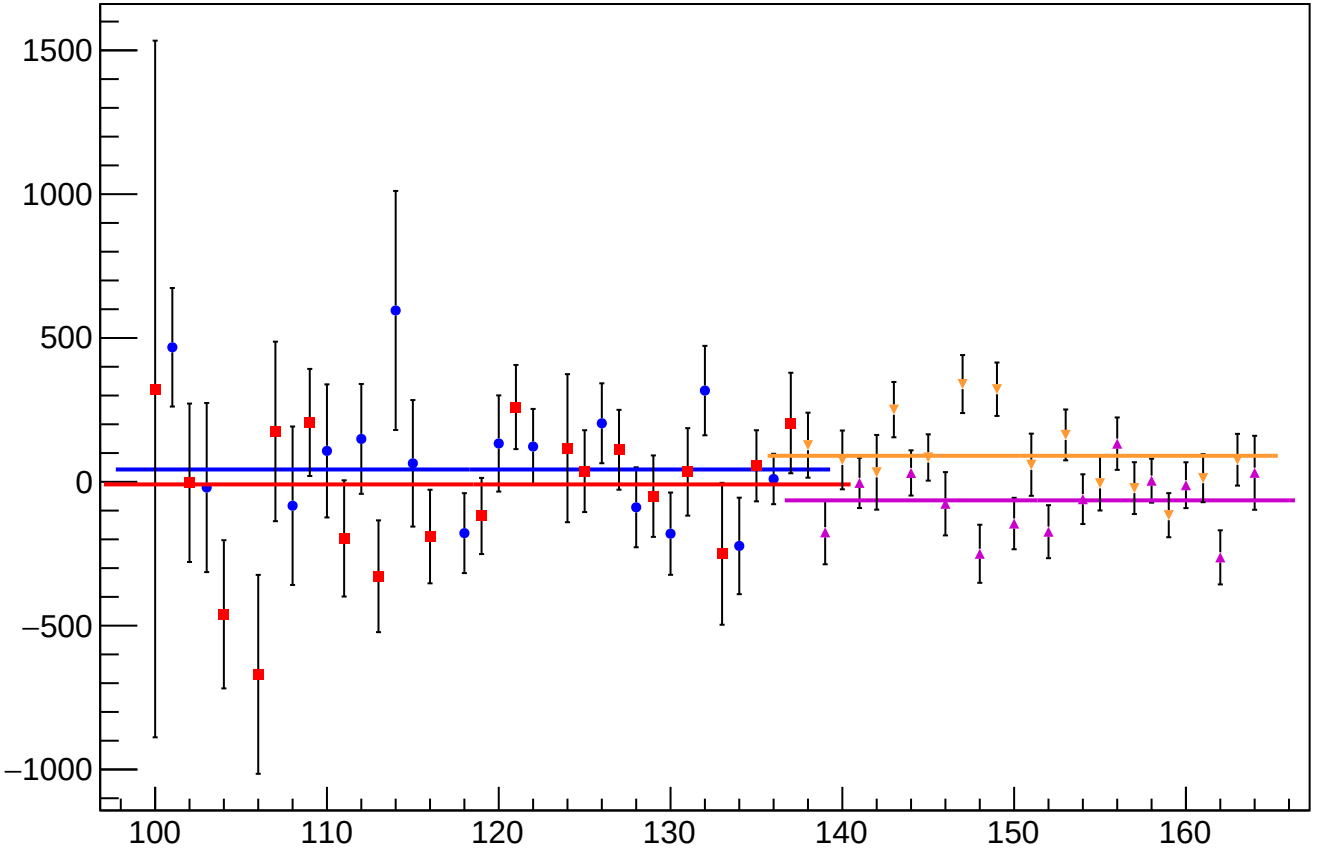
Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

+ sign 673.400+/-0.120 χ^2/NDF: 4926958.8/29

All: 666.255+/-0.084 χ^2/NDF: 10441307.4/61

- 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: 90.514+/-25.031 χ^2/NDF:26.9/13

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

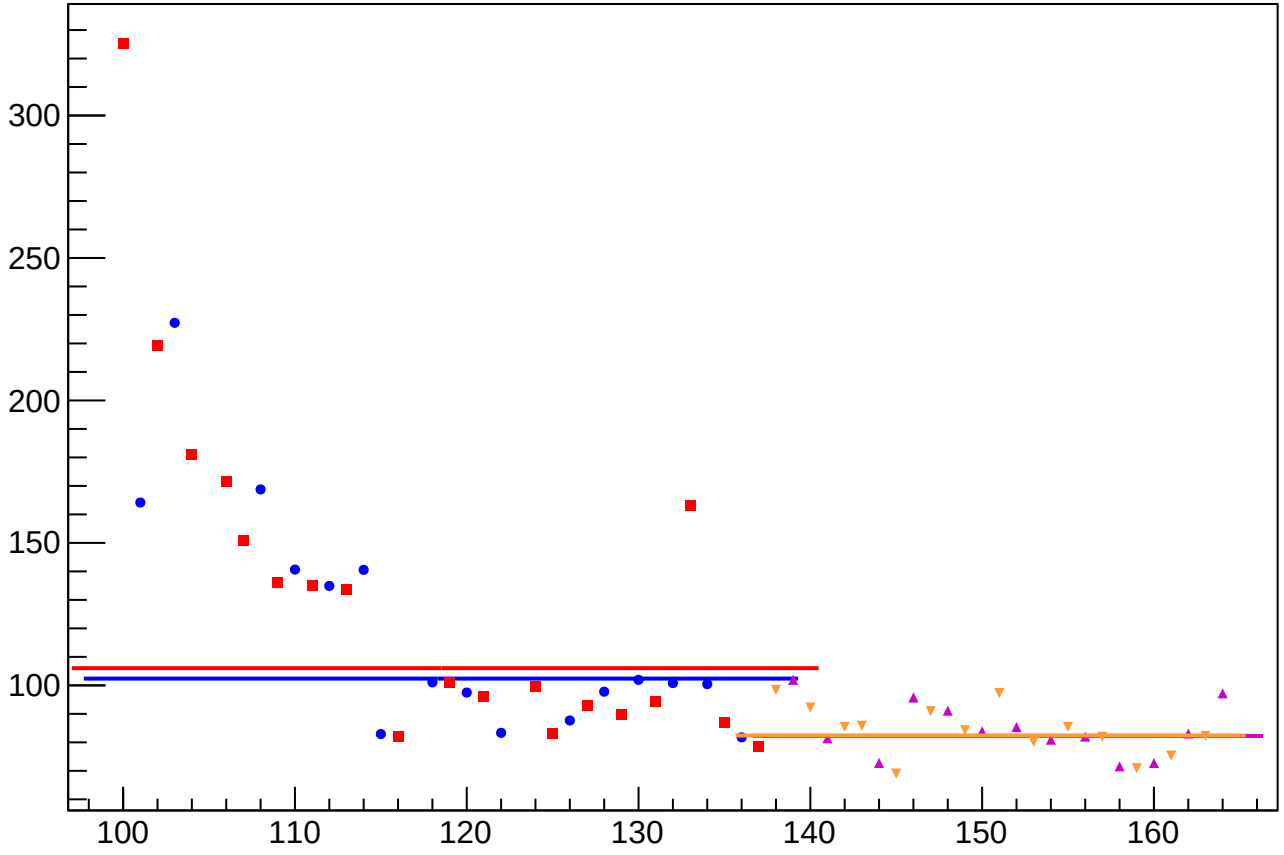
Left In: -64.424+/-25.366 χ^2/NDF:19.5/12

+ sign 77.094+/-21.211 χ^2/NDF: 48.3/29

All: 15.079+/-15.127 χ^2/NDF: 107.8/61

- 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: 82.420+/-0.018 χ^2/NDF:232814.4/13

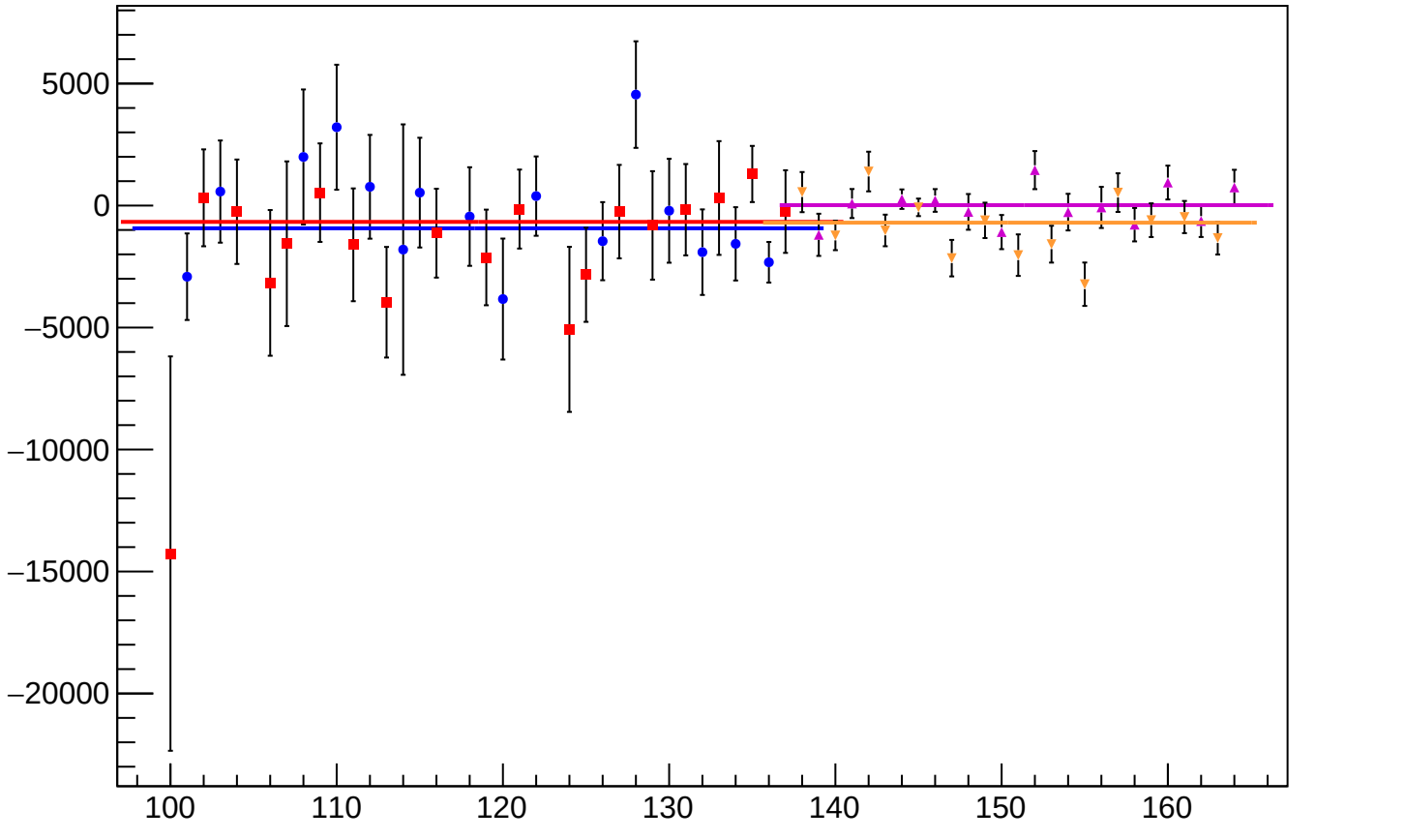
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.237+/-0.018 χ^2/NDF:235831.9/12

\+ sign 88.047+/-0.015 χ^2/NDF: 1573603.7/29

All: 88.422+/-0.011 χ^2/NDF: 3488150.4/61

\- 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: -700.916+/-176.328 χ^2/NDF:32.1/13

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

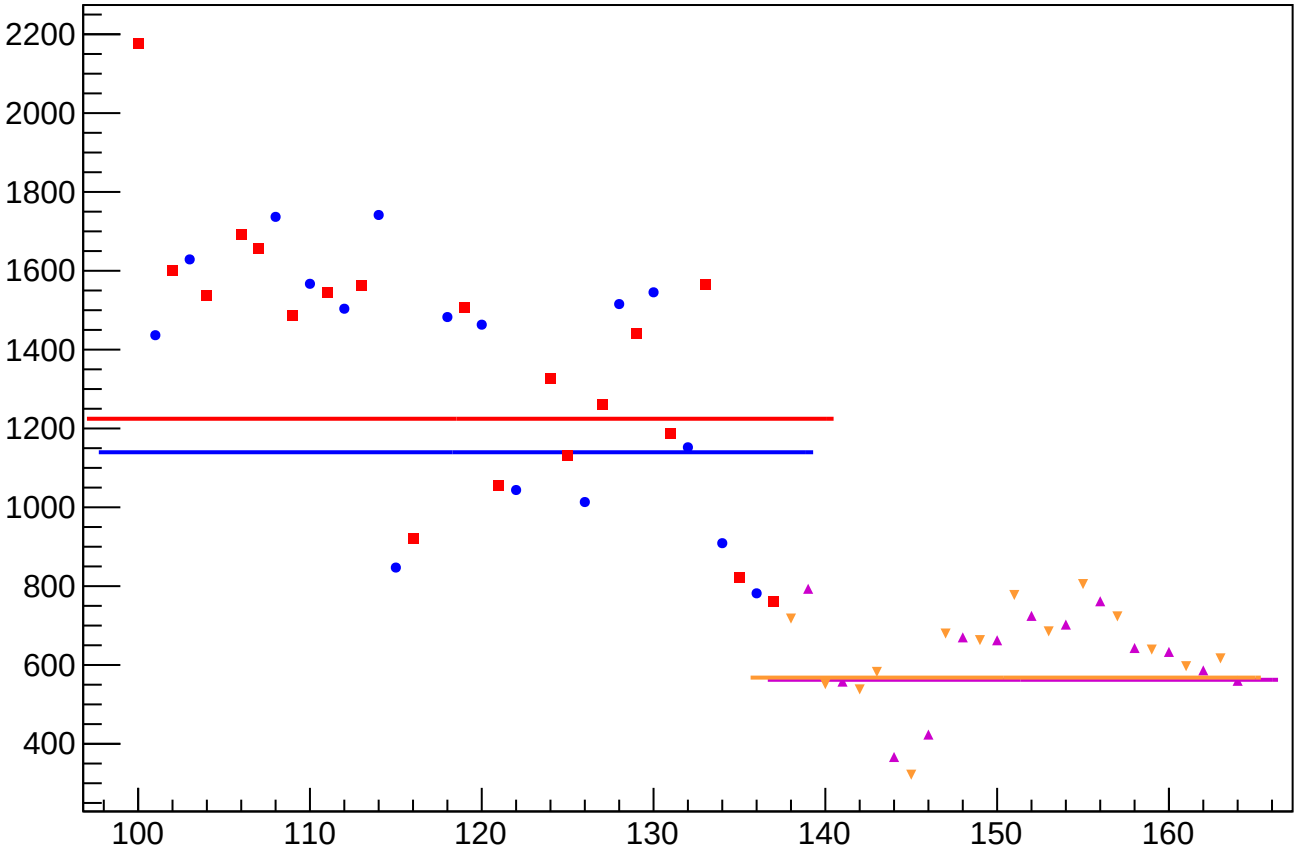
Left In: 17.629+/-176.193 χ^2/NDF:13.9/12

+ sign -732.606+/-163.814 χ^2/NDF: 50.8/29

All: -402.605+/-116.139 χ^2/NDF: 88.2/61

- 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: 567.999+/-0.125 χ^2/NDF:1515298.6/13

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

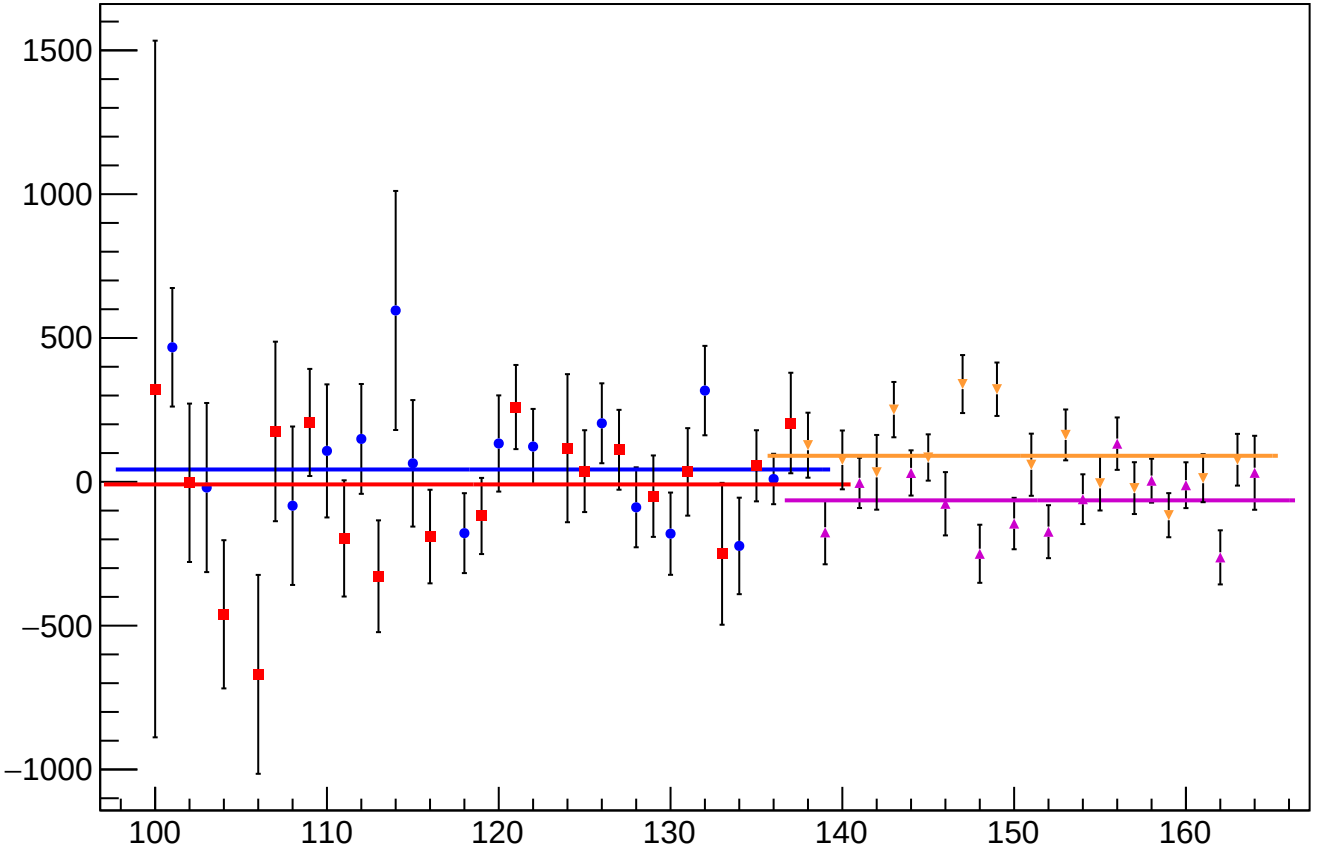
Left In: 562.452+/-0.125 χ^2/NDF:1204275.7/12

+ sign 646.264+/-0.116 χ^2/NDF: 5486724.9/29

All: 646.207+/-0.082 χ^2/NDF: 11184007.1/61

- 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: 90.515+/-25.032 χ^2/NDF:26.9/13

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

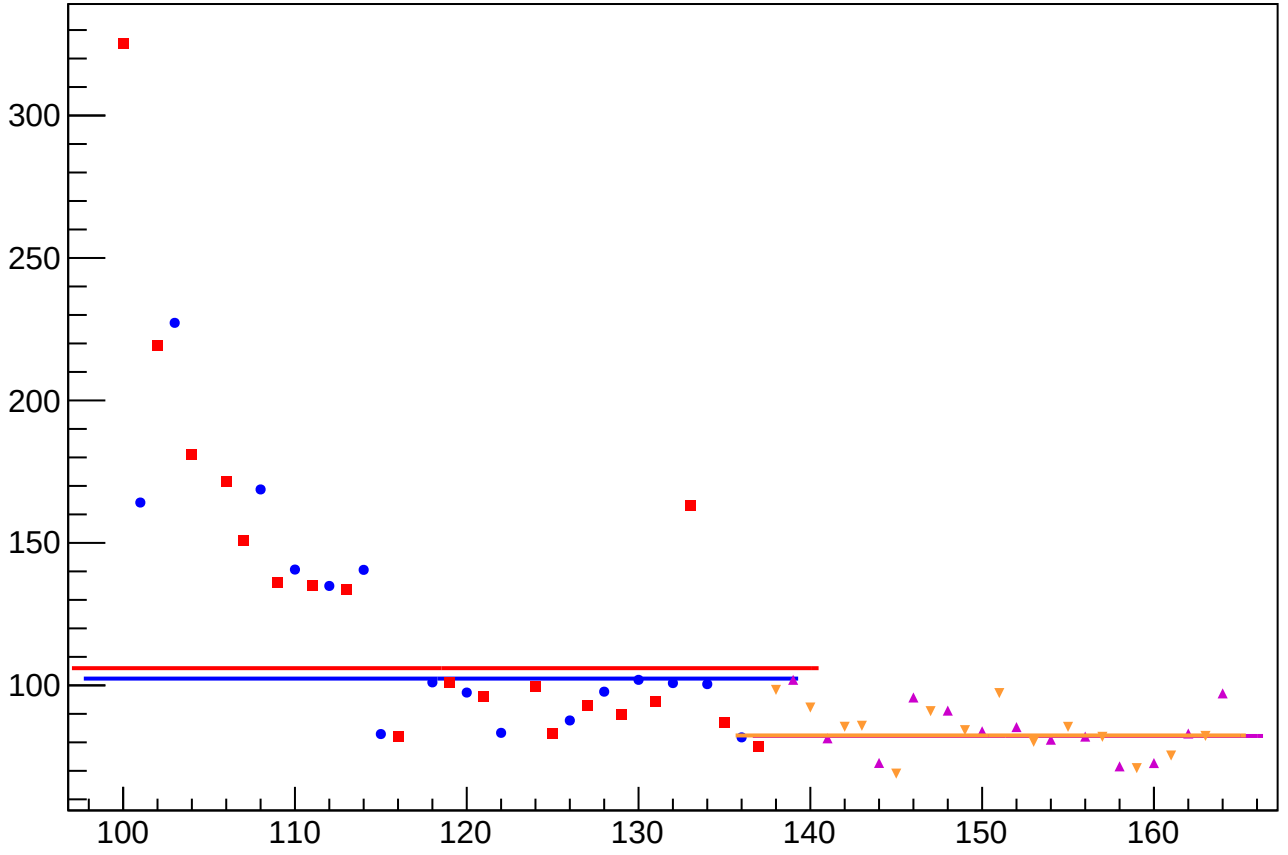
Left In: -64.423+/-25.366 χ^2/NDF:19.5/12

+ sign 77.095+/-21.211 χ^2/NDF: 48.3/29

All: 15.080+/-15.127 χ^2/NDF: 107.8/61

- 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: 82.420+/-0.018 χ^2/NDF:232812.7/13

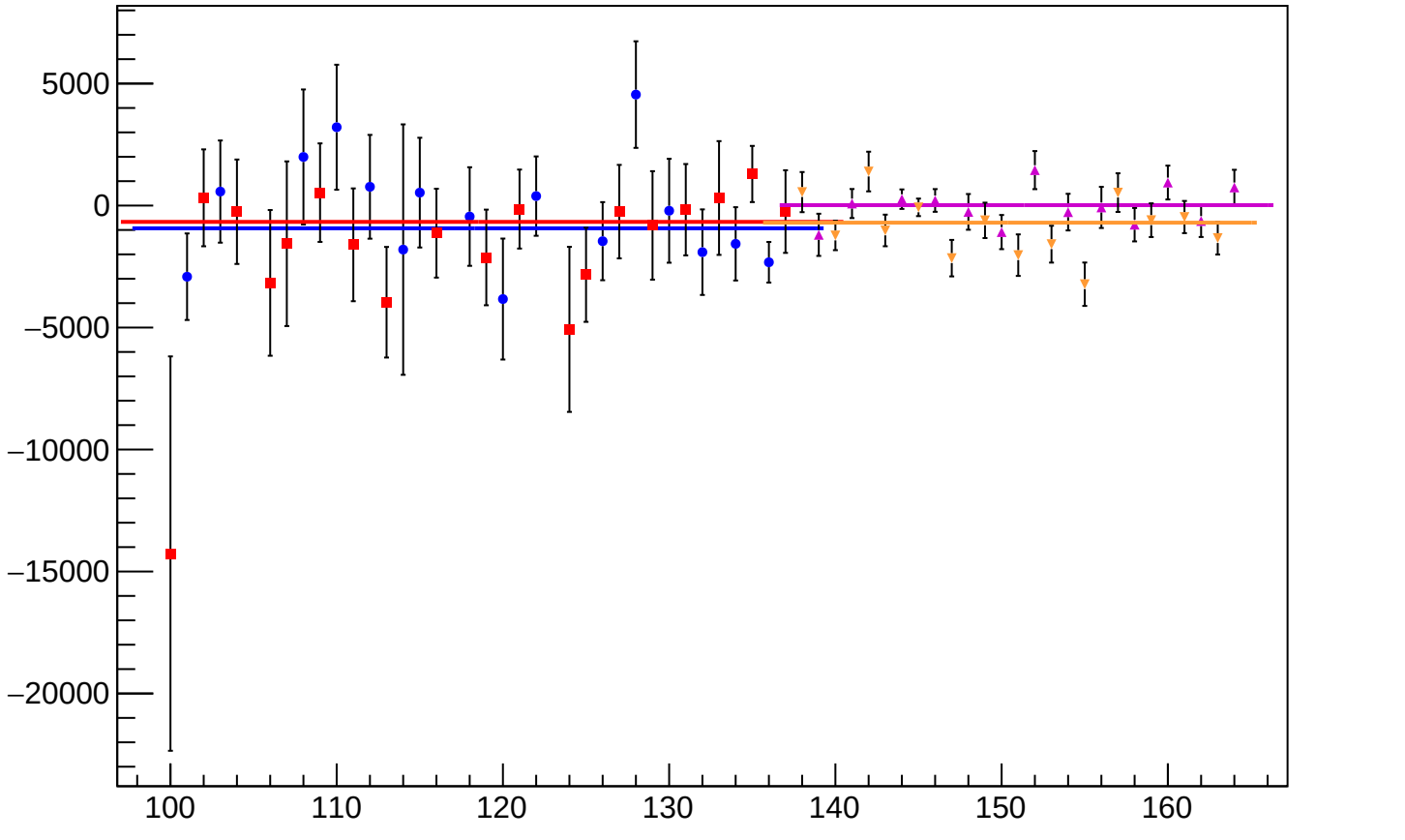
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.238+/-0.018 χ^2/NDF:235837.9/12

\+ sign 88.047+/-0.015 χ^2/NDF: 1573578.6/29

All: 88.422+/-0.011 χ^2/NDF: 3488119.6/61

\- 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: -700.915+/-176.328 χ^2/NDF:32.1/13

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

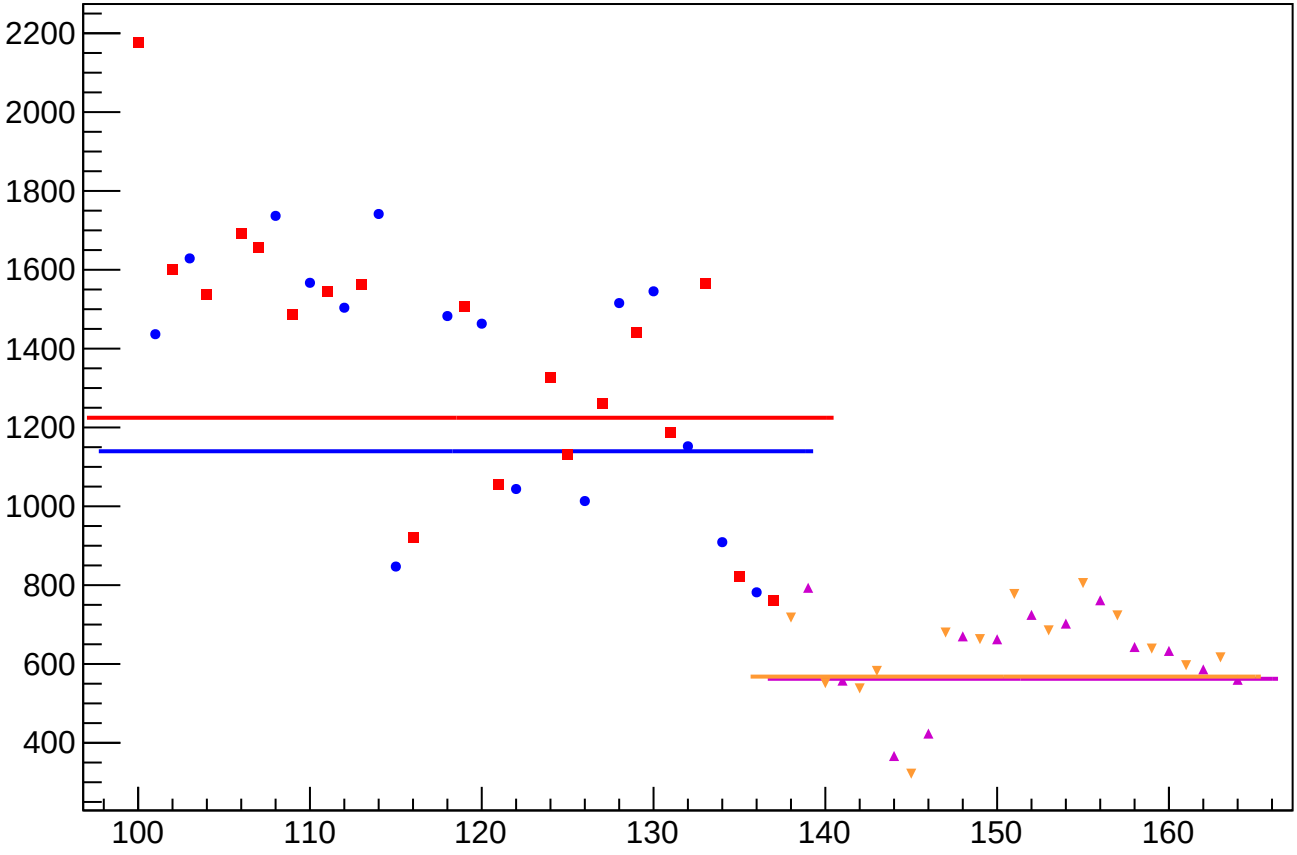
Left In: 17.630+/-176.192 χ^2/NDF:13.9/12

+ sign -732.604+/-163.813 χ^2/NDF: 50.8/29

All: -402.604+/-116.139 χ^2/NDF: 88.2/61

- sign -69.097+/-164.681 χ^2/NDF: 29.2/31

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 567.998+/-0.125 χ^2/NDF:1515318.6/13

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

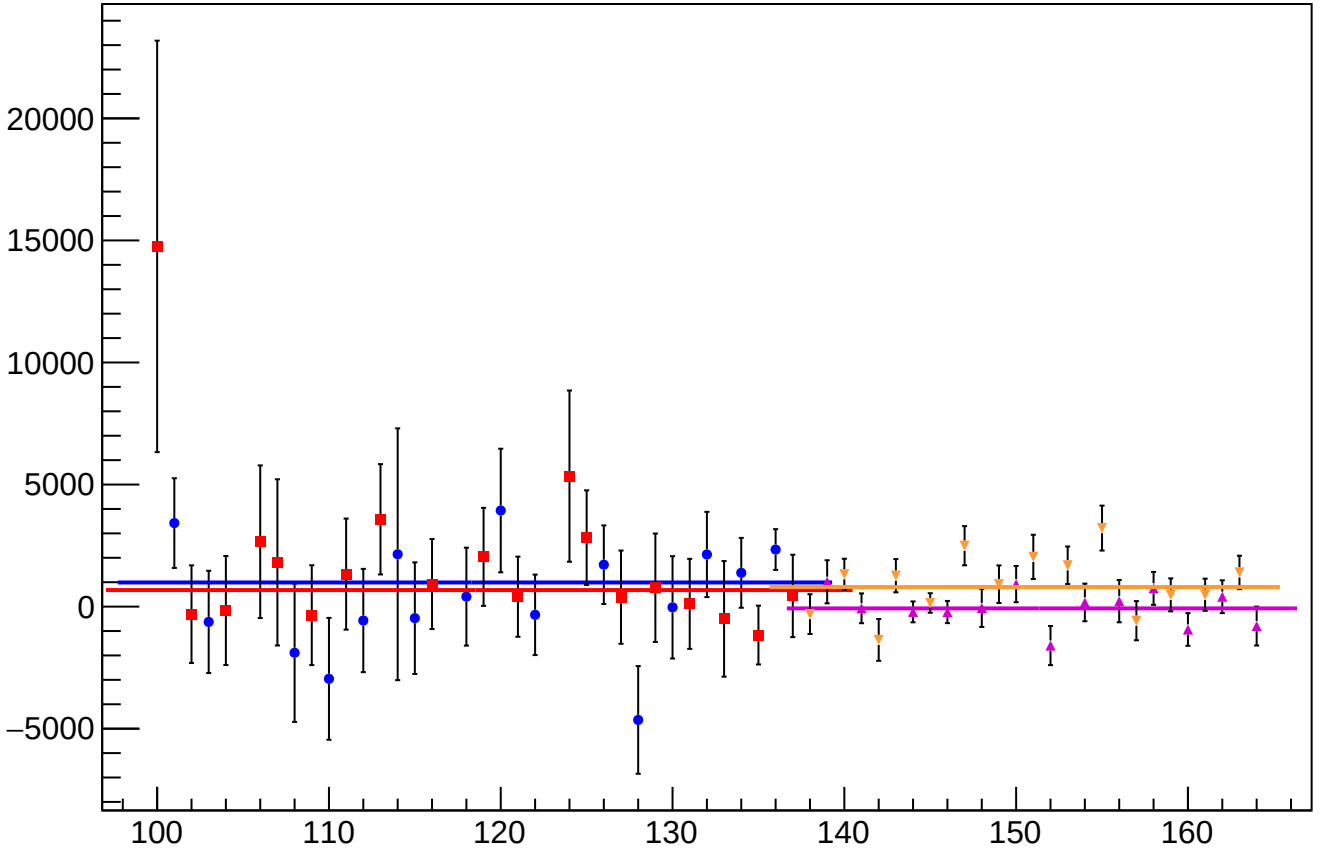
Left In: 562.451+/-0.125 χ^2/NDF:1204281.4/12

+ sign 646.263+/-0.116 χ^2/NDF: 5486740.9/29

All: 646.206+/-0.082 χ^2/NDF: 11184019.6/61

- 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: 801.564+/-184.848 χ^2/NDF:30.8/13

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

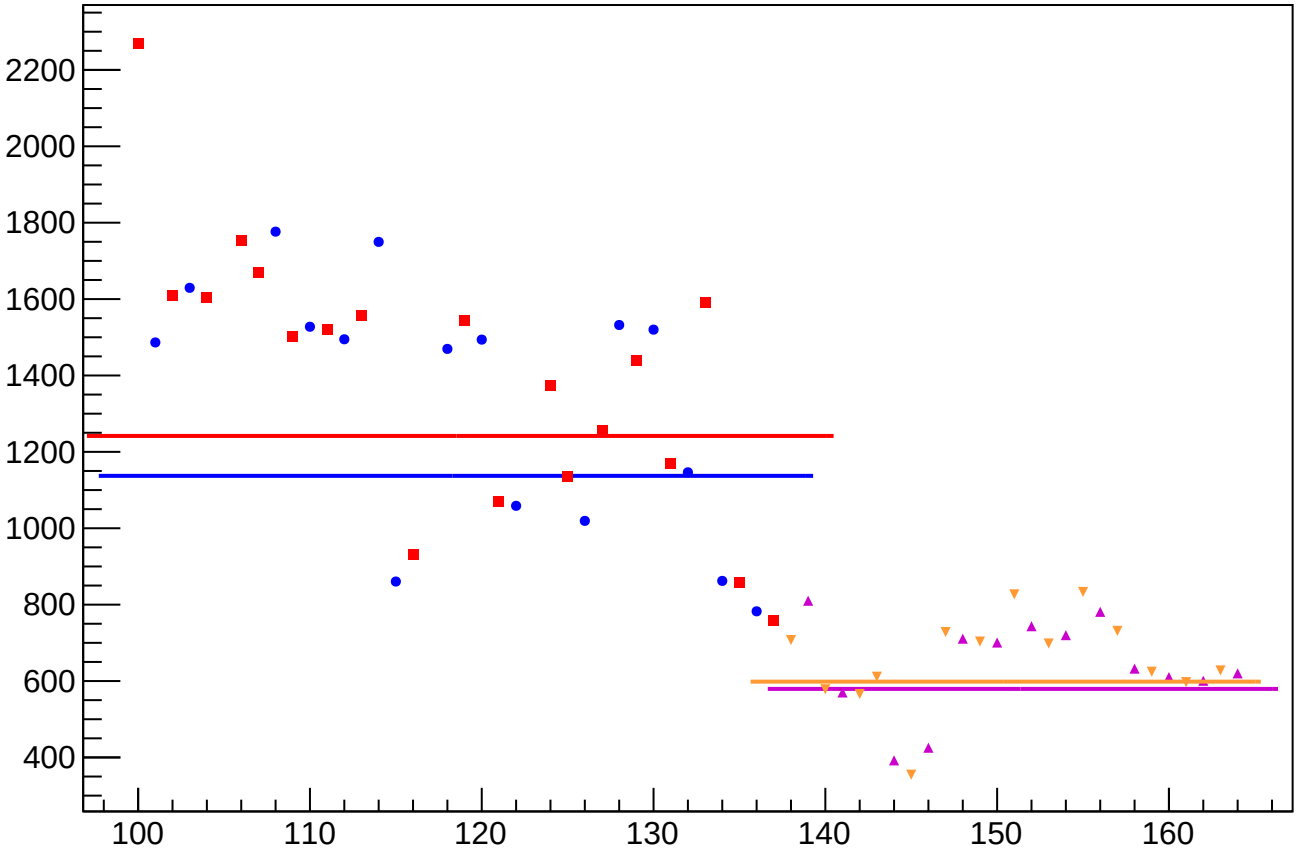
Left In: -73.473+/-180.864 χ^2/NDF:11.8/12

+ sign 829.446+/-170.572 χ^2/NDF: 50.0/29

All: 422.236+/-119.974 χ^2/NDF: 87.2/61

- 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: 598.435+/-0.131 χ^2/NDF:1225351.8/13

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

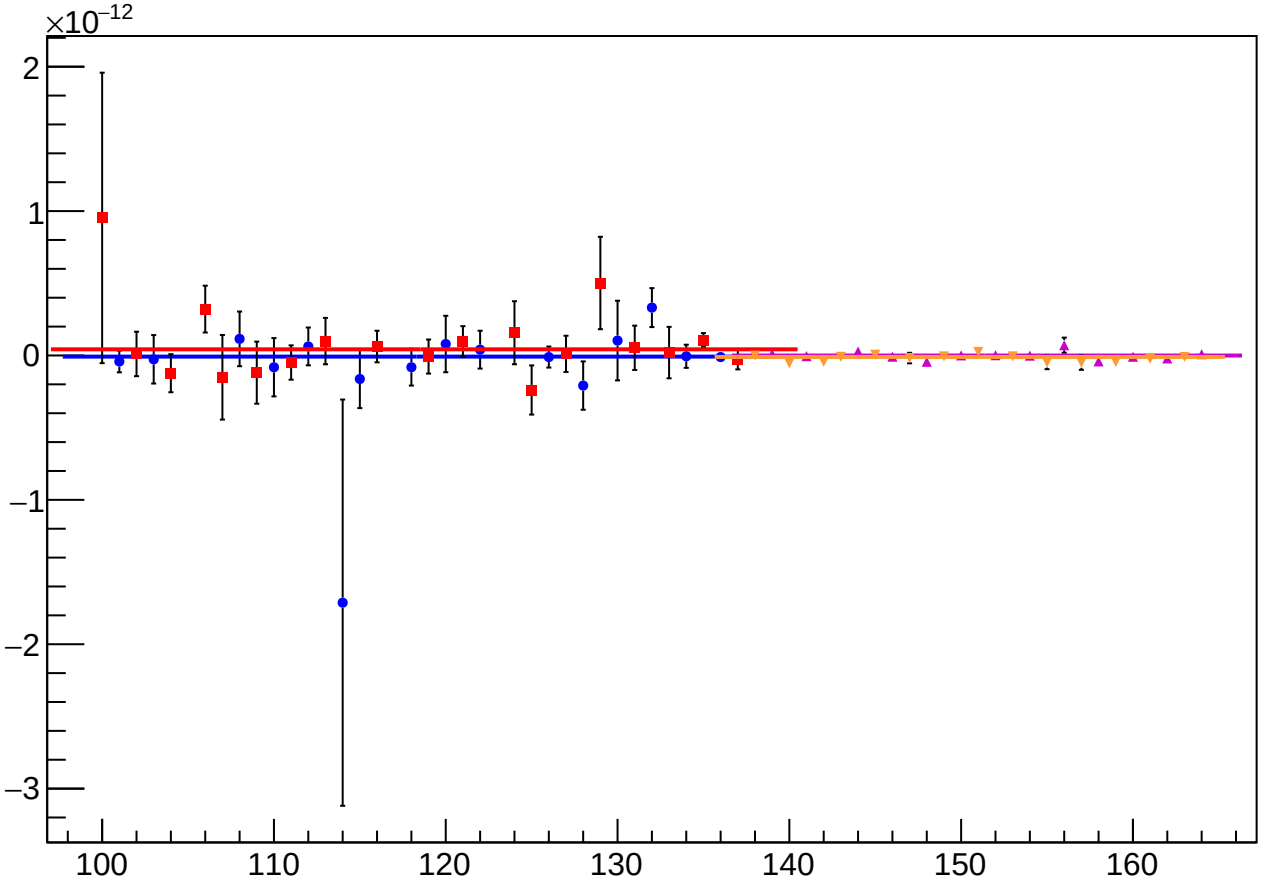
Left In: 579.396+/-0.128 χ^2/NDF:1144764.4/12

+ sign 678.445+/-0.121 χ^2/NDF: 4872255.3/29

All: 671.618+/-0.085 χ^2/NDF: 10386535.5/61

- sign 664.934+/-0.119 χ^2/NDF: 5507940.3/31

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/13

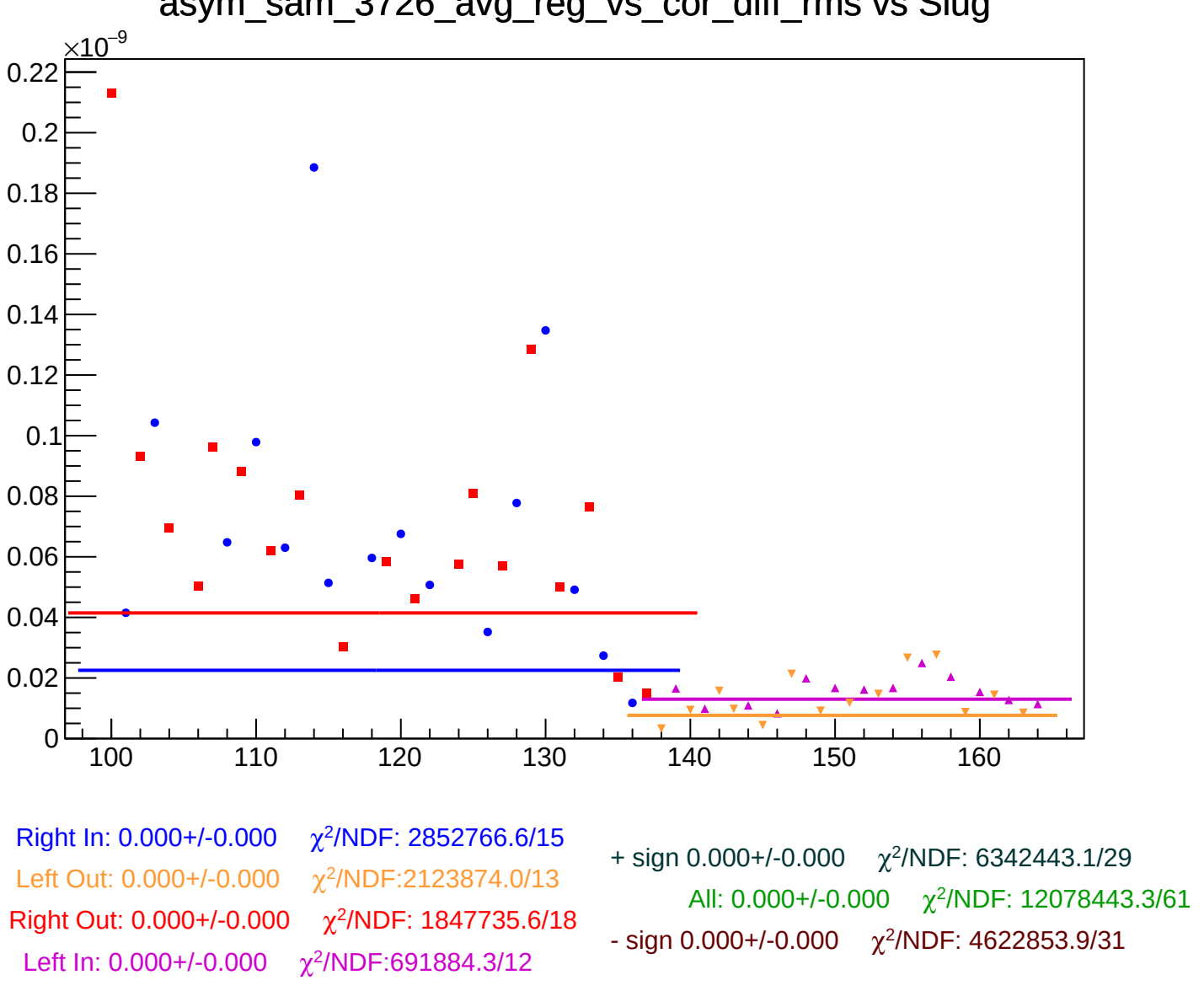
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

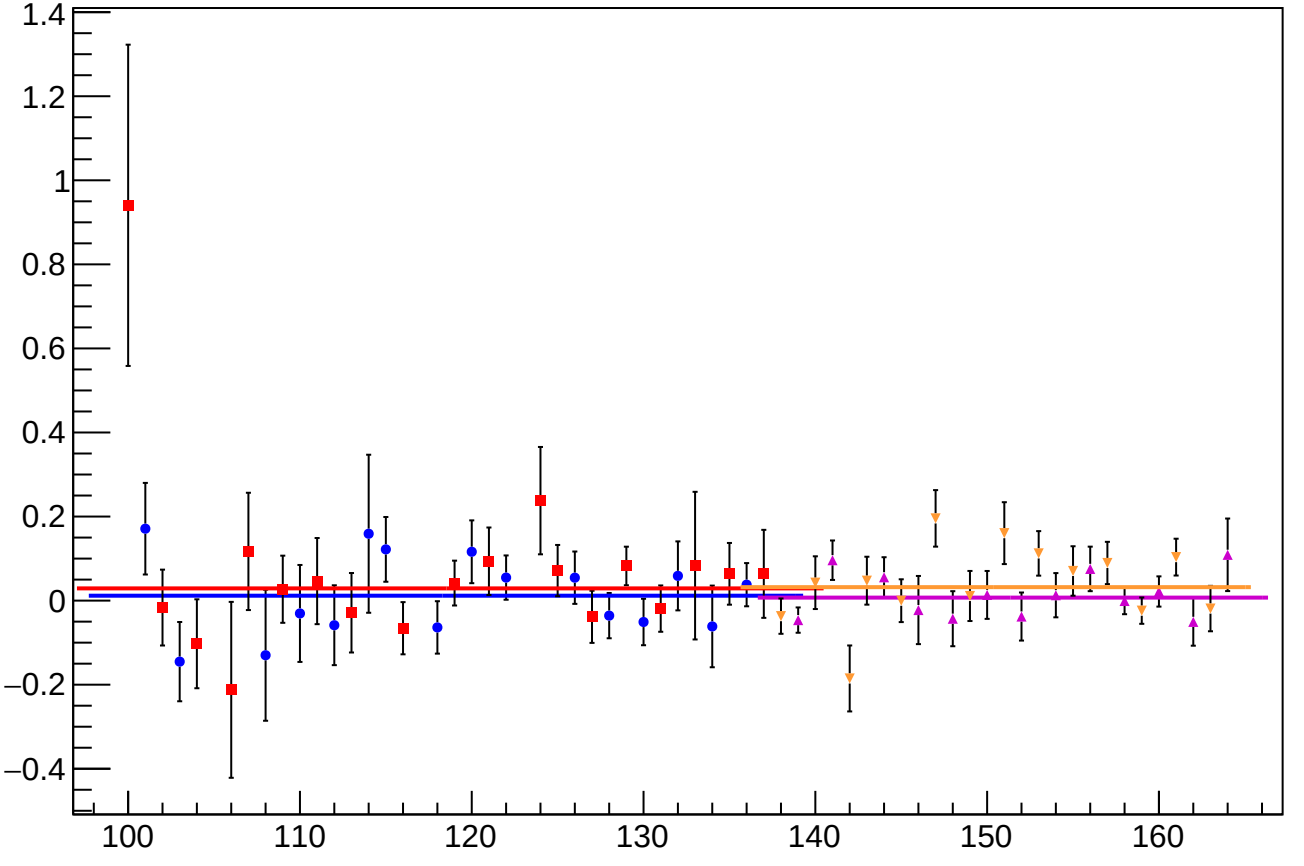
+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 59.2/61

- sign 0.000+/-0.000 χ^2/NDF: 27.1/31


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2123874.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:691884.3/12
+ sign 0.000+/-0.000 χ²/NDF: 6342443.1/29
All: 0.000+/-0.000 χ²/NDF: 12078443.3/61
- sign 0.000+/-0.000 χ²/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: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

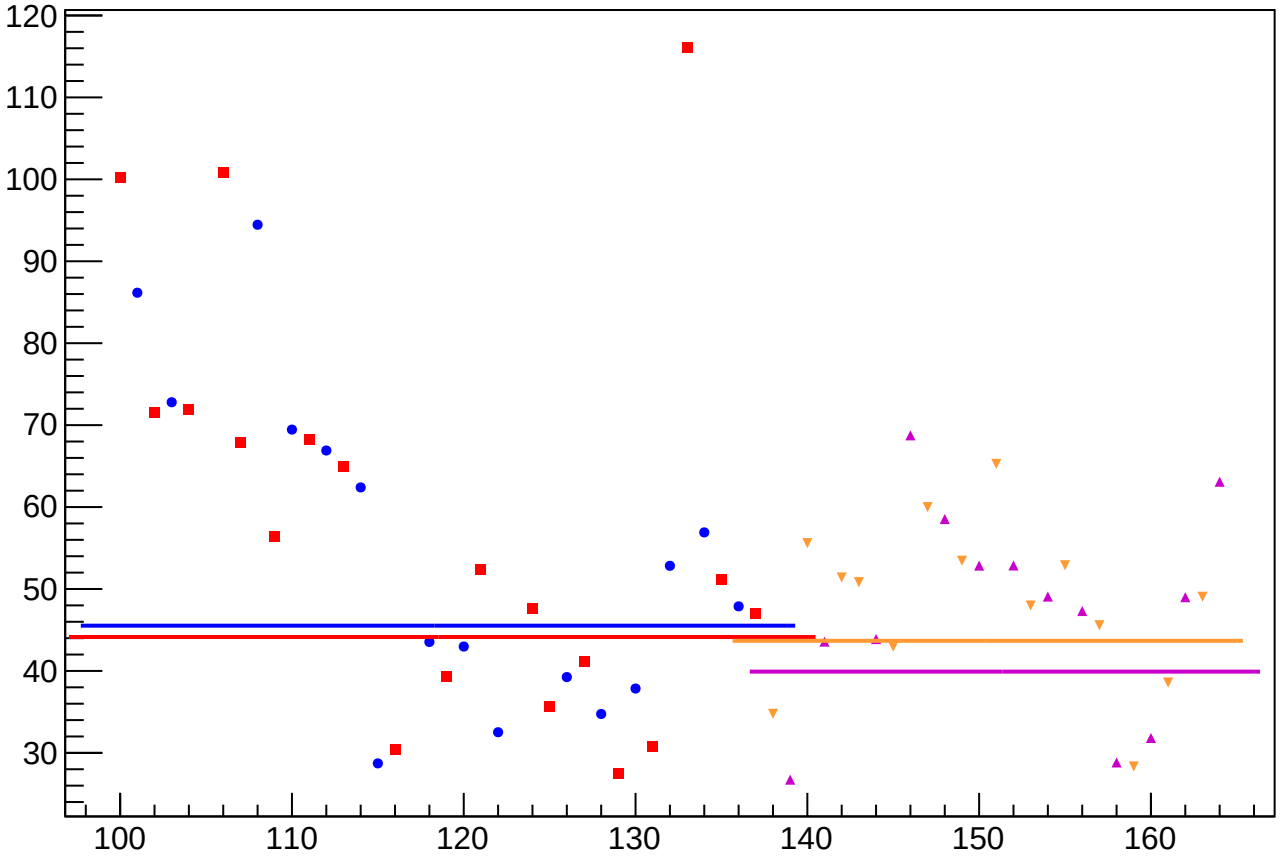
Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 82.8/61

- 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: 43.679+/-0.010 χ^2/NDF:1148950.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

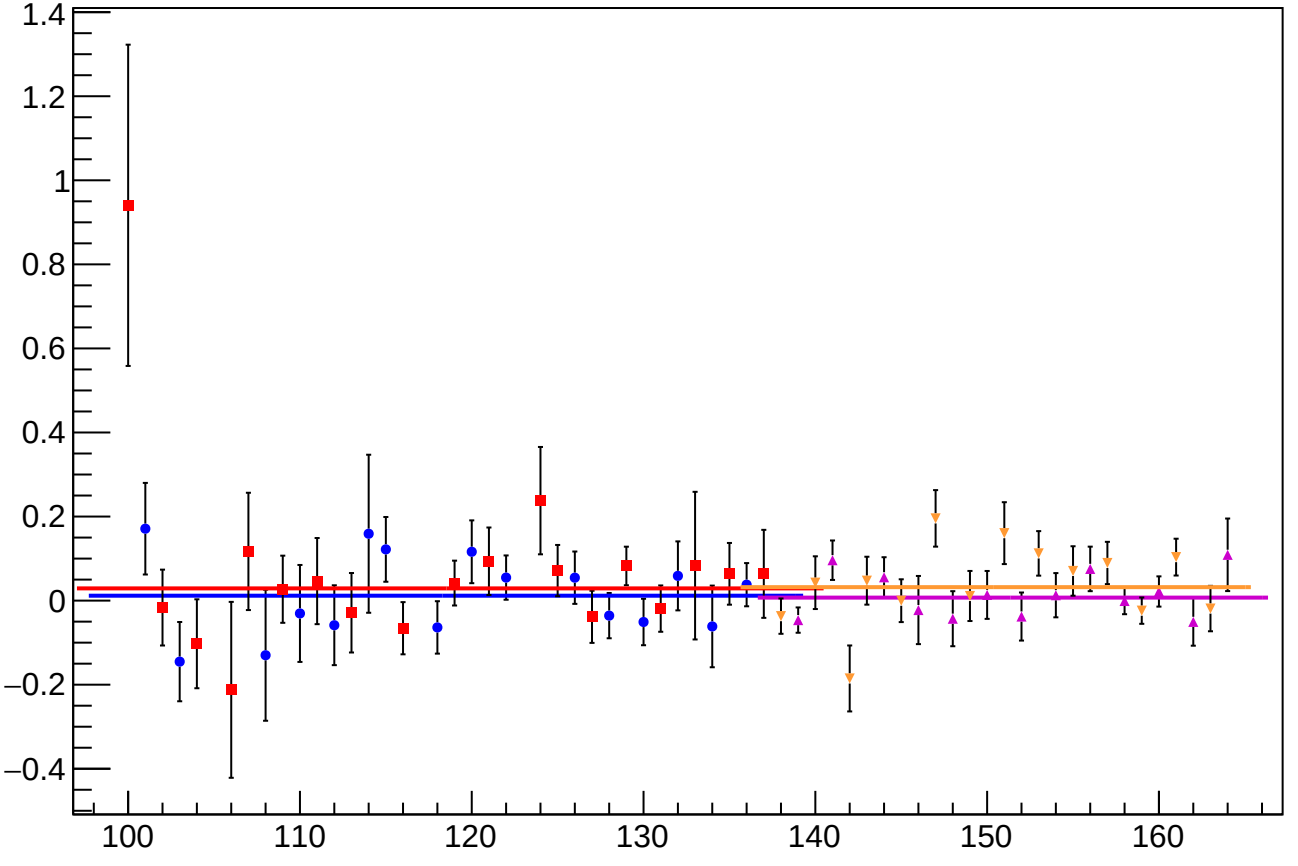
Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

+ sign 44.344+/-0.008 χ^2/NDF: 2415910.5/29

All: 42.790+/-0.005 χ^2/NDF: 5983373.7/61

- 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: 0.032+/-0.014 χ^2/NDF:30.7/13

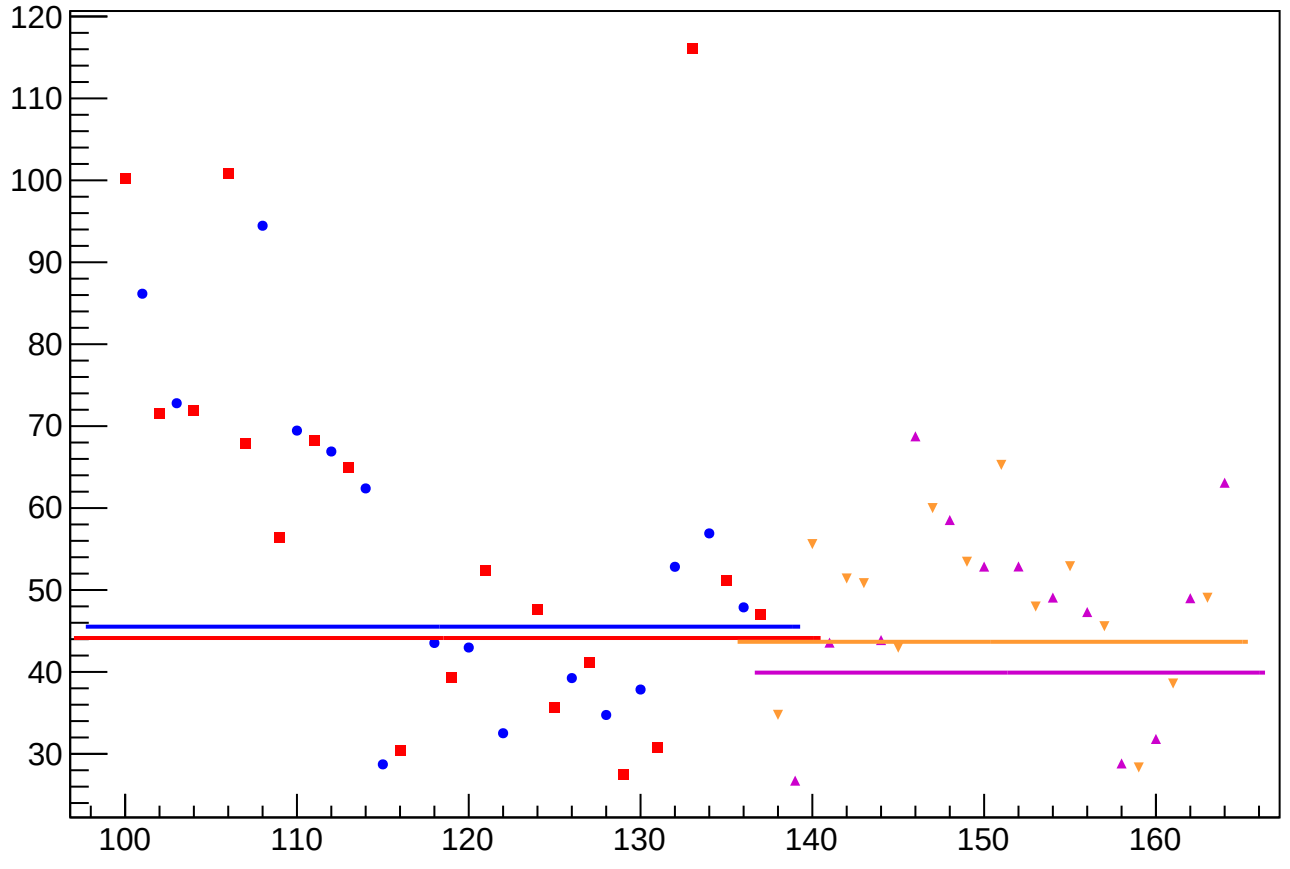
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 82.8/61

- 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: 43.679+/-0.010 χ^2/NDF:1148950.6/13

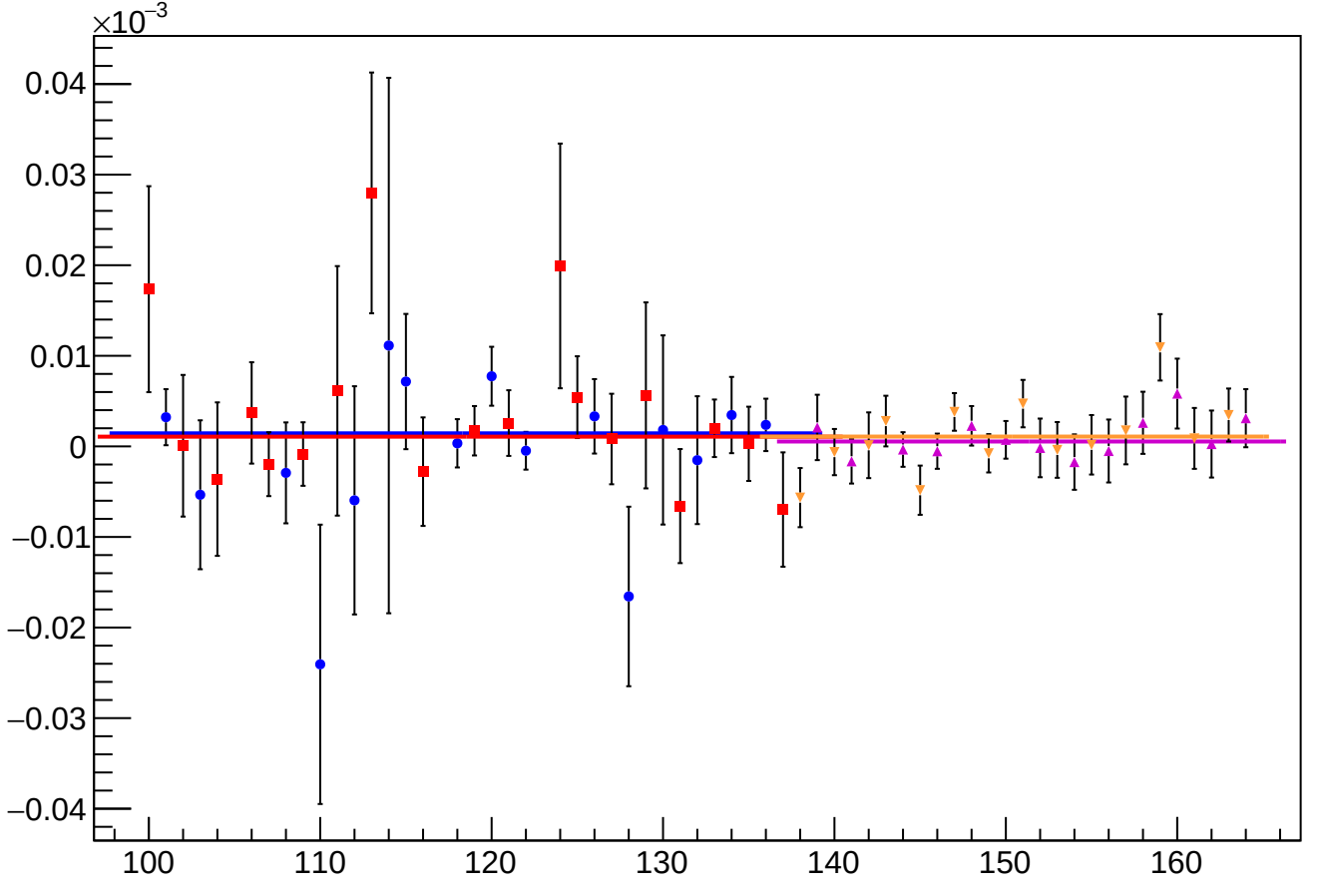
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

+ sign 44.344+/-0.008 χ^2/NDF: 2415910.5/29

All: 42.790+/-0.005 χ^2/NDF: 5983373.7/61

- 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:22.5/13

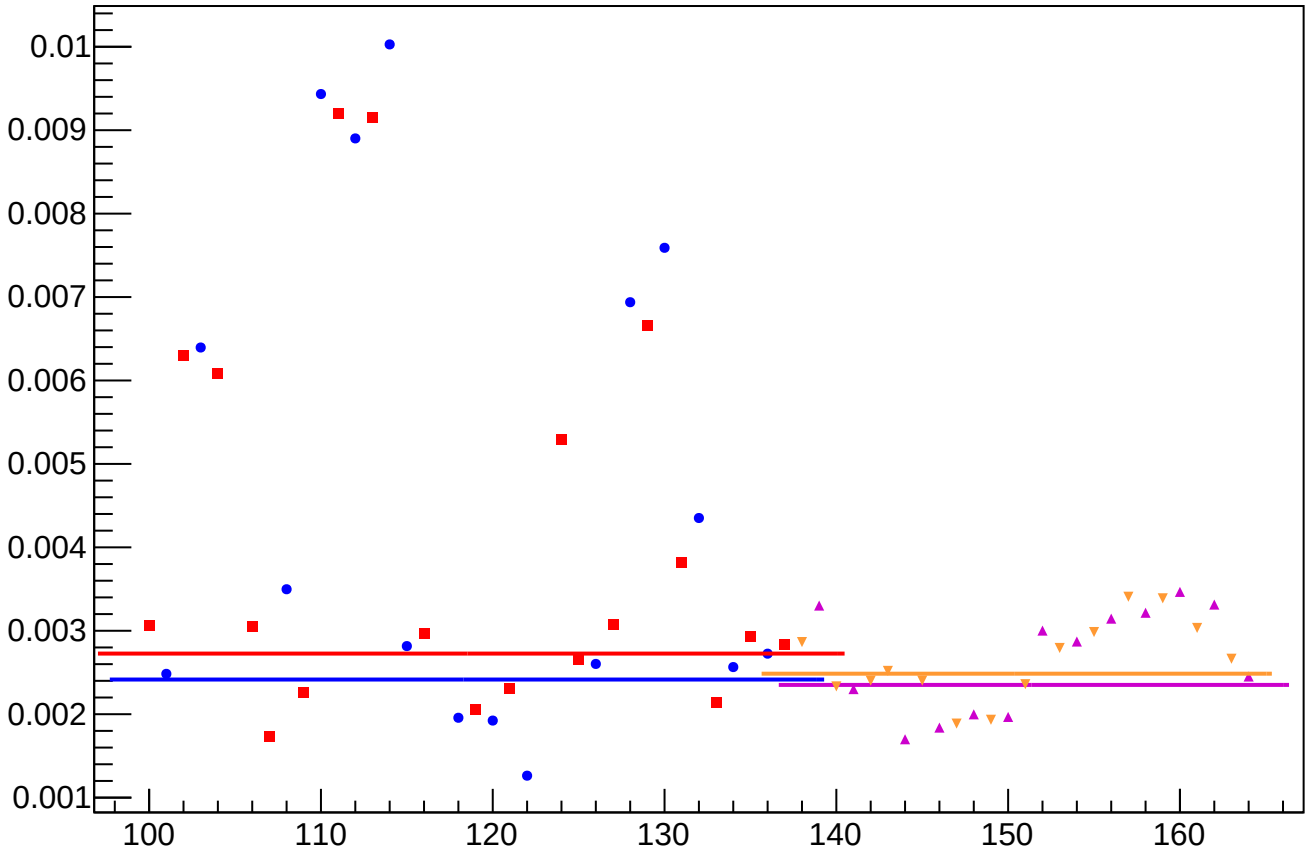
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/29

All: 0.000+/-0.000 χ^2/NDF: 57.8/61

- 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:714369.3/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

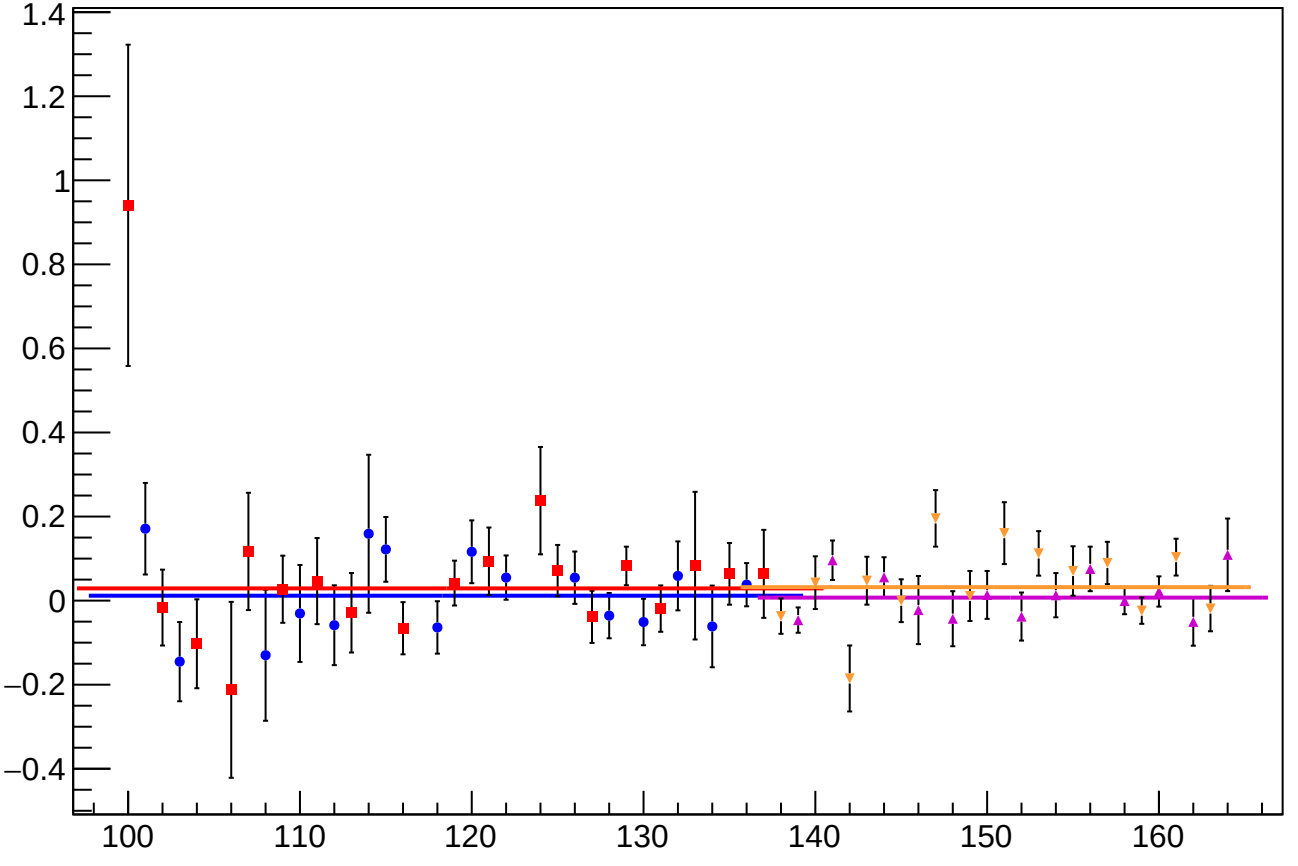
Left In: 0.002+/-0.000 χ^2/NDF:1306493.2/12

+ sign 0.002+/-0.000 χ^2/NDF: 4152383.2/29

All: 0.002+/-0.000 χ^2/NDF: 8120247.4/61

- sign 0.002+/-0.000 χ^2/NDF: 3967833.9/31

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

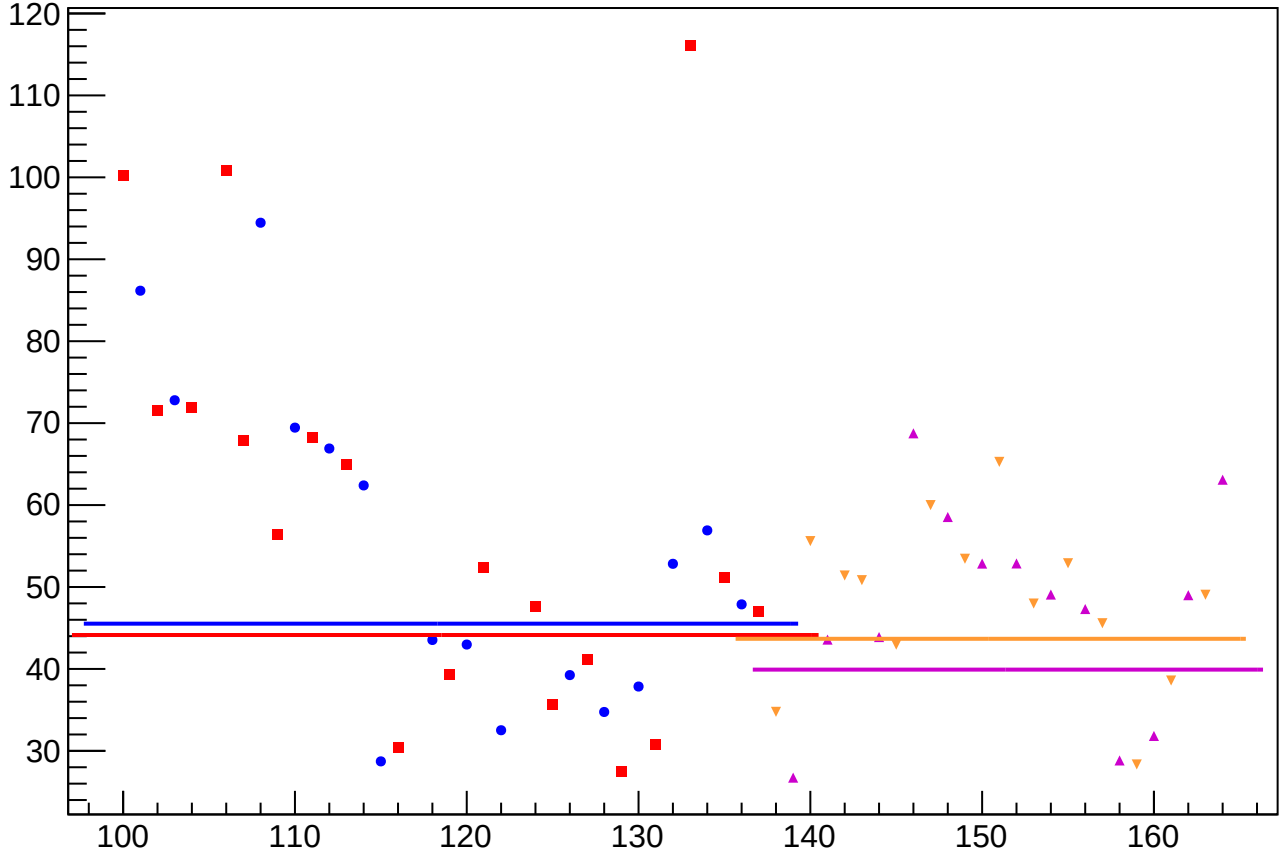
Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 82.8/61

- 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: 43.679+/-0.010 χ^2/NDF:1149005.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

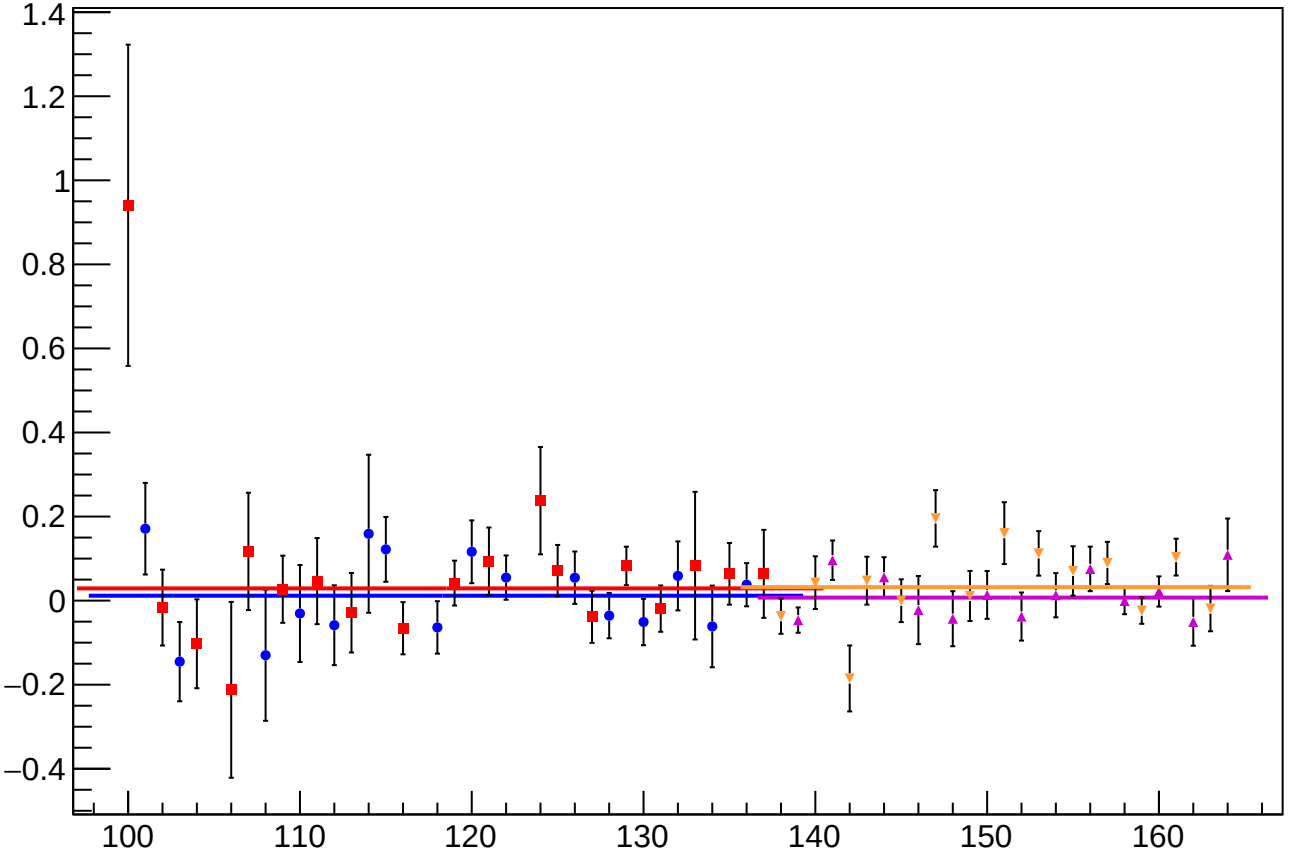
Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

\+ sign 44.344+/-0.008 χ^2/NDF: 2415917.2/29

All: 42.790+/-0.005 χ^2/NDF: 5983359.5/61

\- 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: 0.032+/-0.014 χ^2/NDF:30.7/13

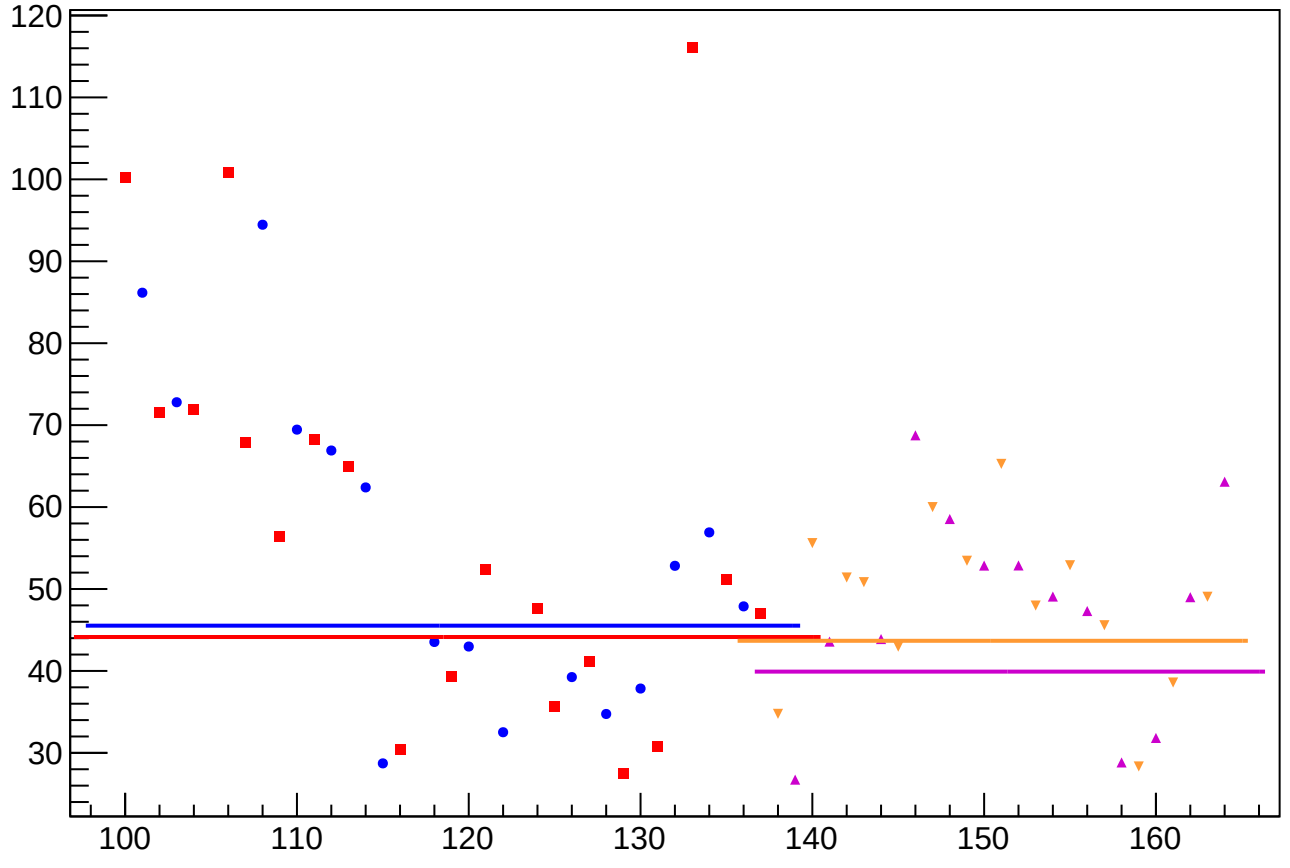
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 82.8/61

- 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: 43.679+/-0.010 χ^2/NDF:1149005.6/13

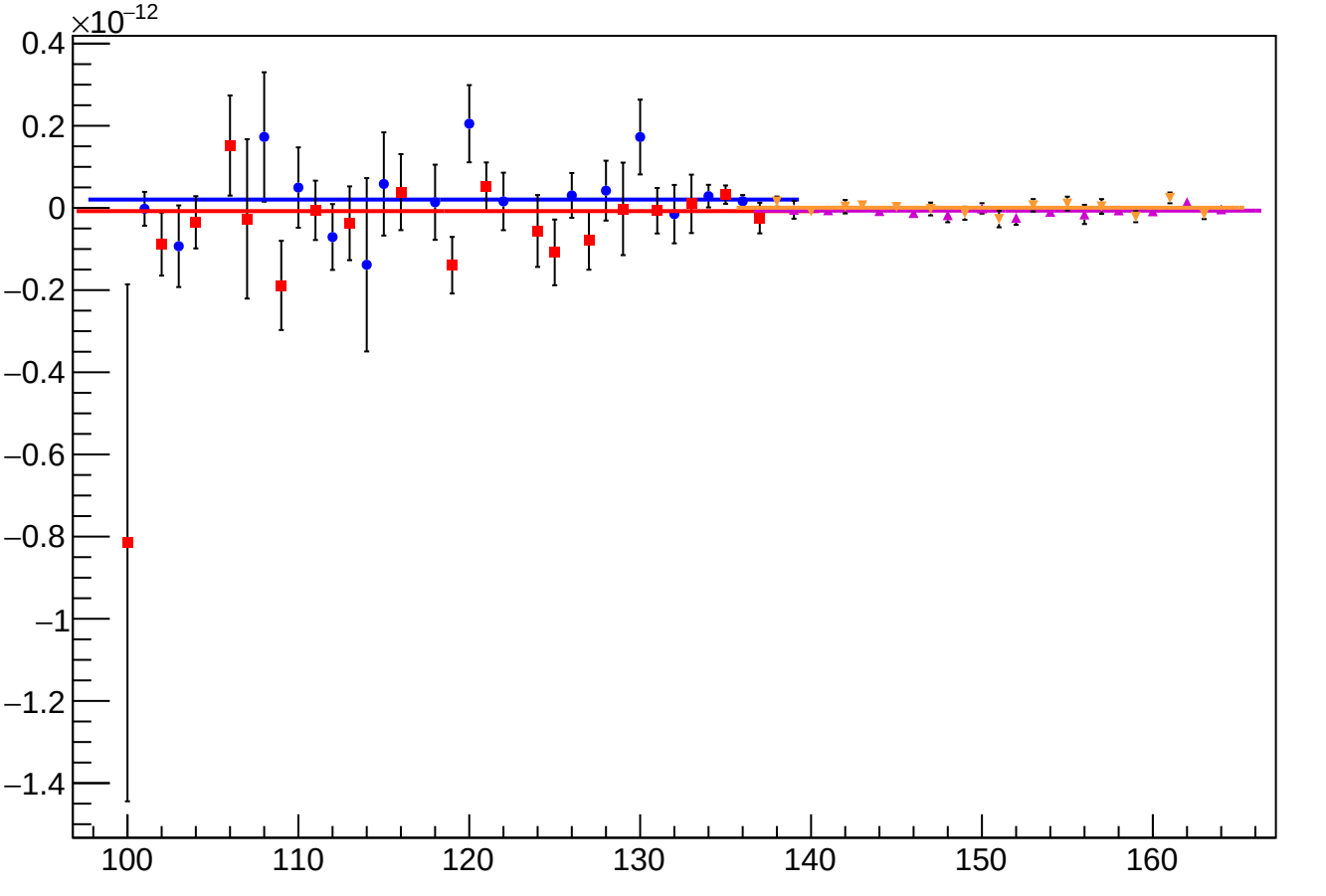
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

+ sign 44.344+/-0.008 χ^2/NDF: 2415917.2/29

All: 42.790+/-0.005 χ^2/NDF: 5983359.5/61

- sign 41.373+/-0.007 χ^2/NDF: 3491110.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/13

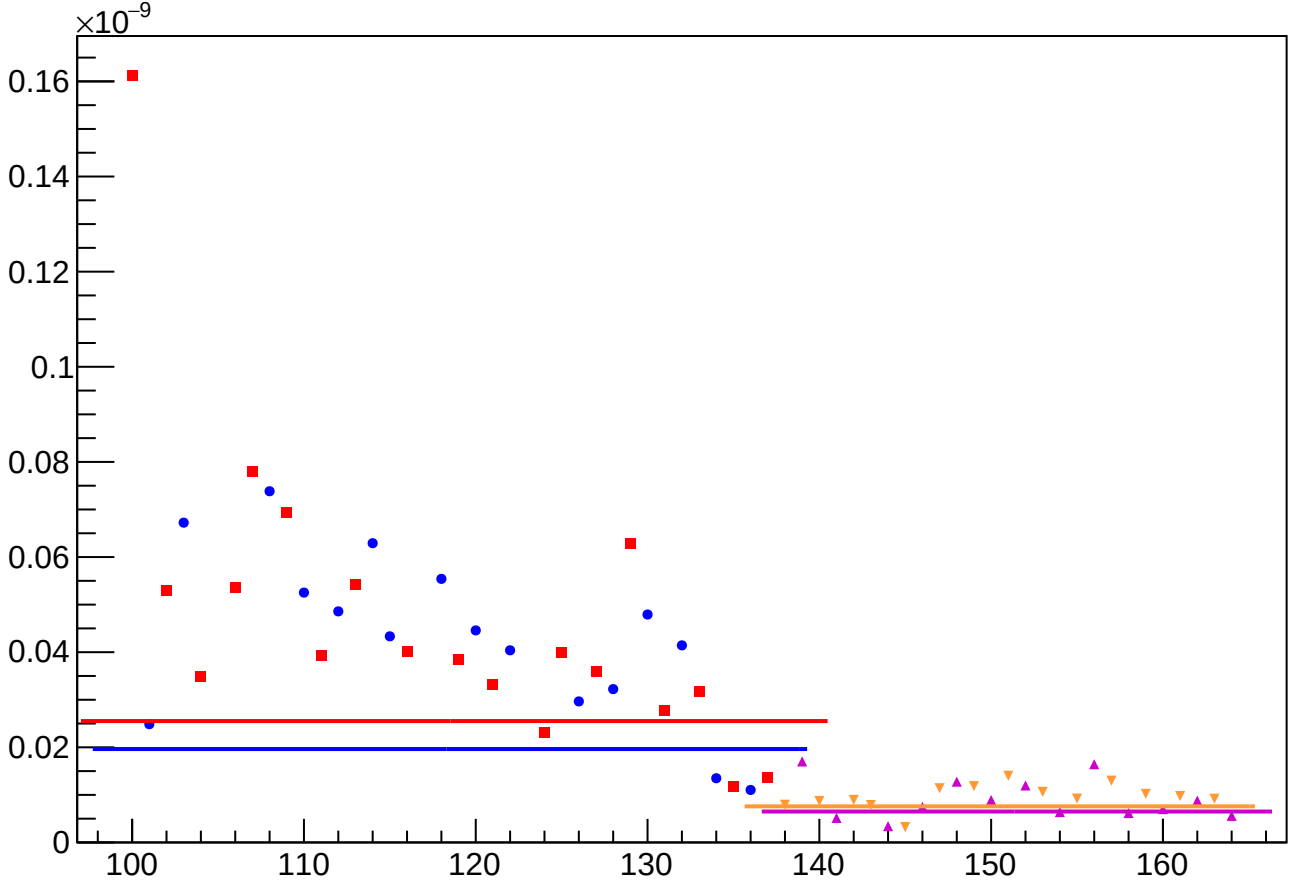
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/29

All: -0.000+/-0.000 χ^2/NDF: 56.1/61

- sign -0.000+/-0.000 χ^2/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:2165839.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

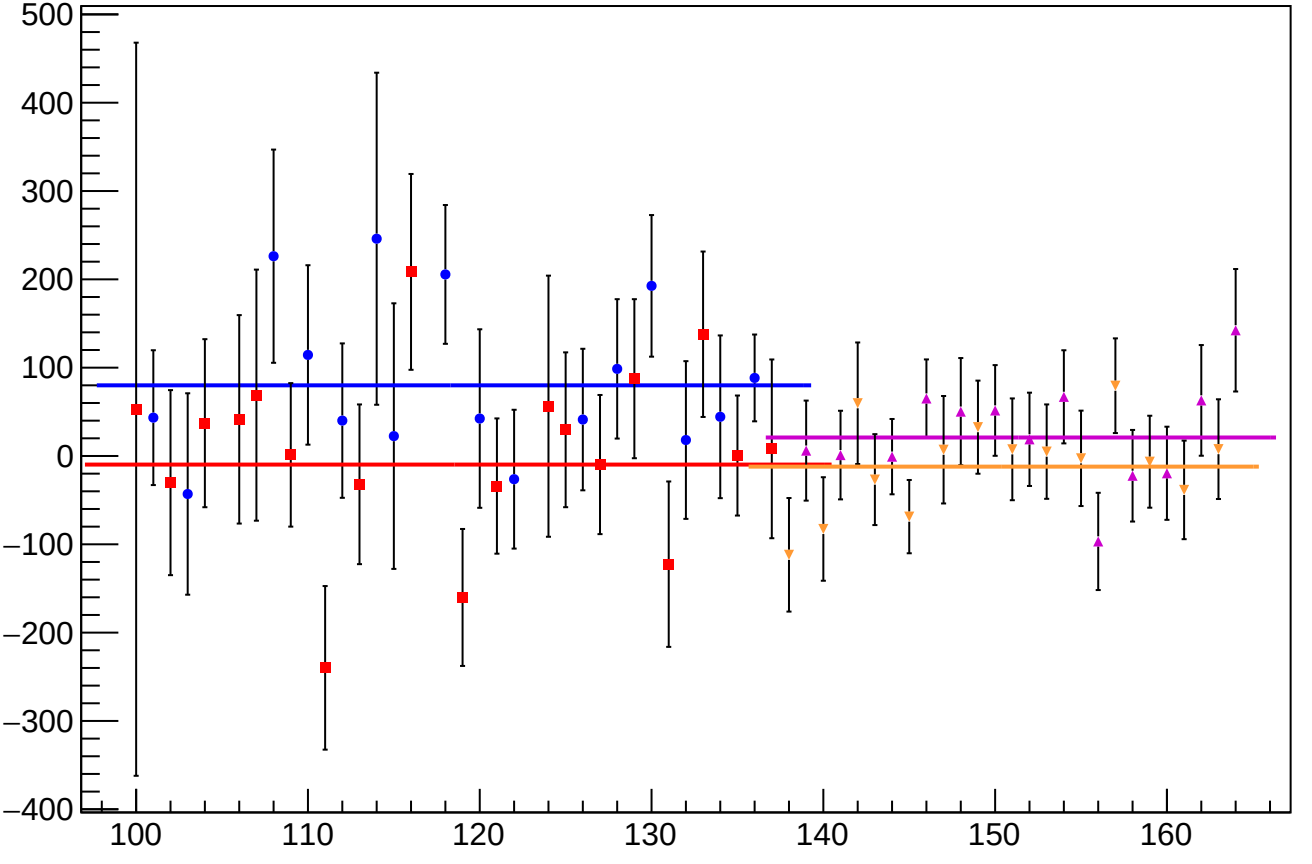
Left In: 0.000+/-0.000 χ^2/NDF:2097867.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 7554836.7/29

All: 0.000+/-0.000 χ^2/NDF: 16192484.0/61

- 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: -12.053+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

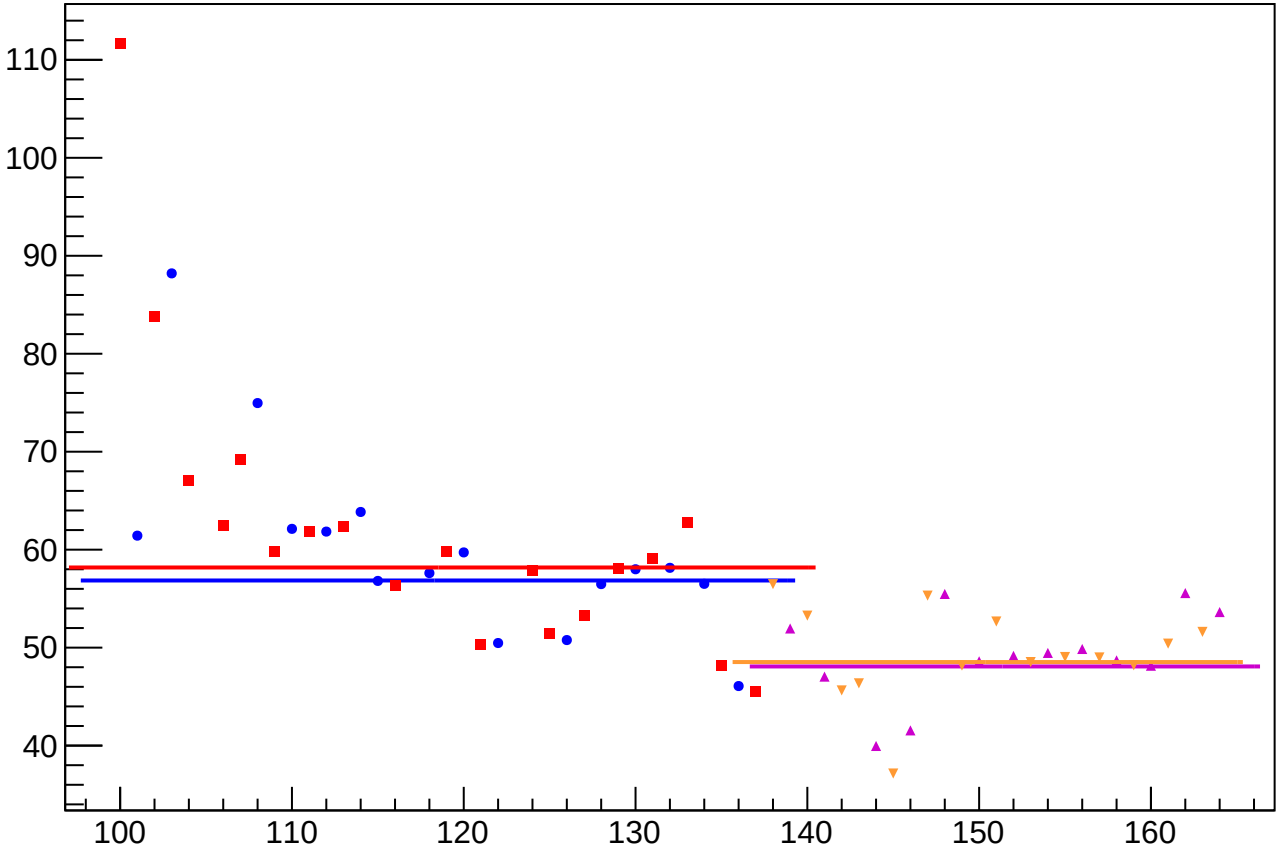
Left In: 20.932+/-14.643 χ^2/NDF:12.2/12

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 14.202+/-8.559 χ^2/NDF: 69.4/61

- 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: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

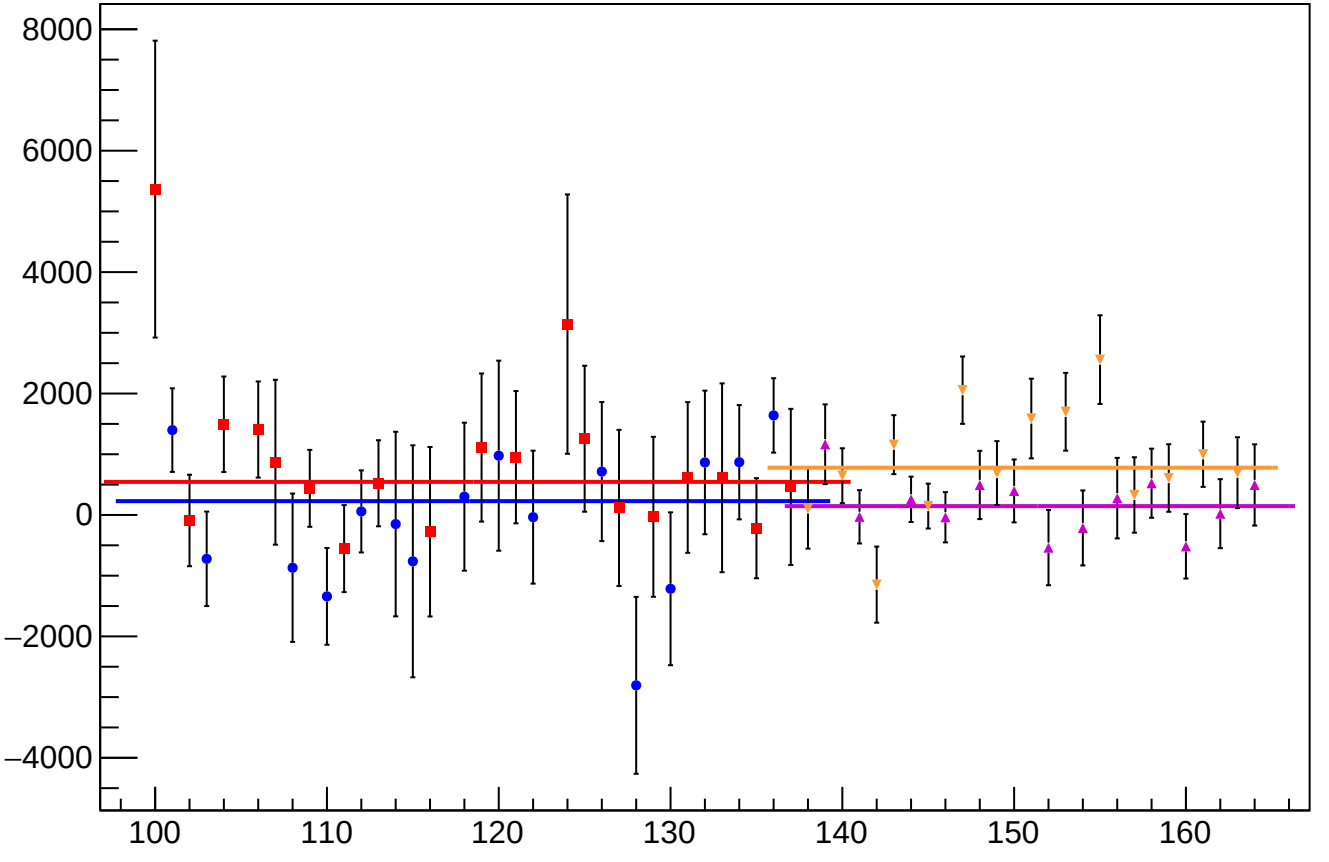
Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 51.165+/-0.009 χ^2/NDF: 792116.8/29

All: 51.211+/-0.006 χ^2/NDF: 1608463.9/61

- 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: 778.554+/-145.873 χ^2/NDF:29.8/13

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

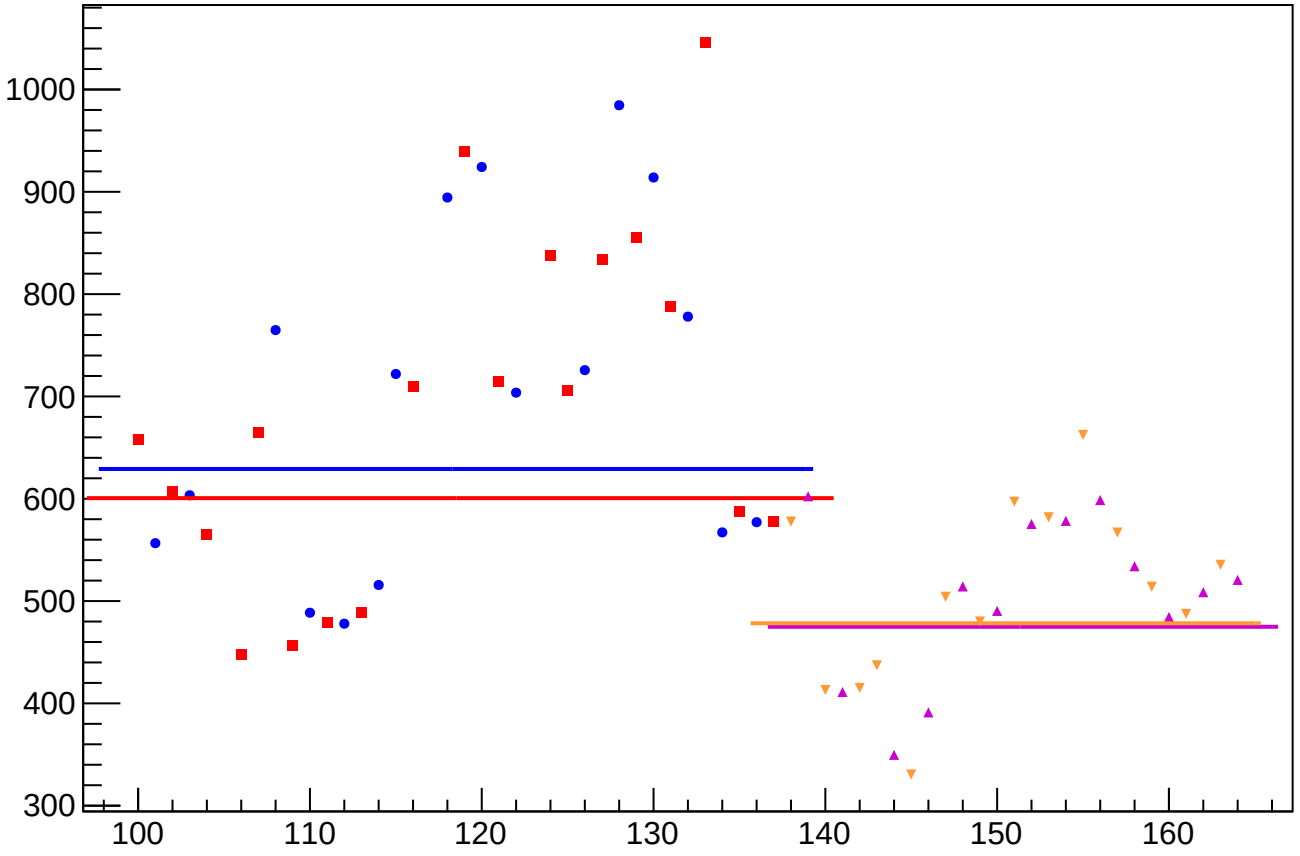
Left In: 145.567+/-146.069 χ^2/NDF:7.4/12

+ sign 631.003+/-124.825 χ^2/NDF: 55.2/29

All: 443.740+/-87.567 χ^2/NDF: 82.6/61

- 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: 478.294+/-0.103 χ^2/NDF:759027.5/13

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

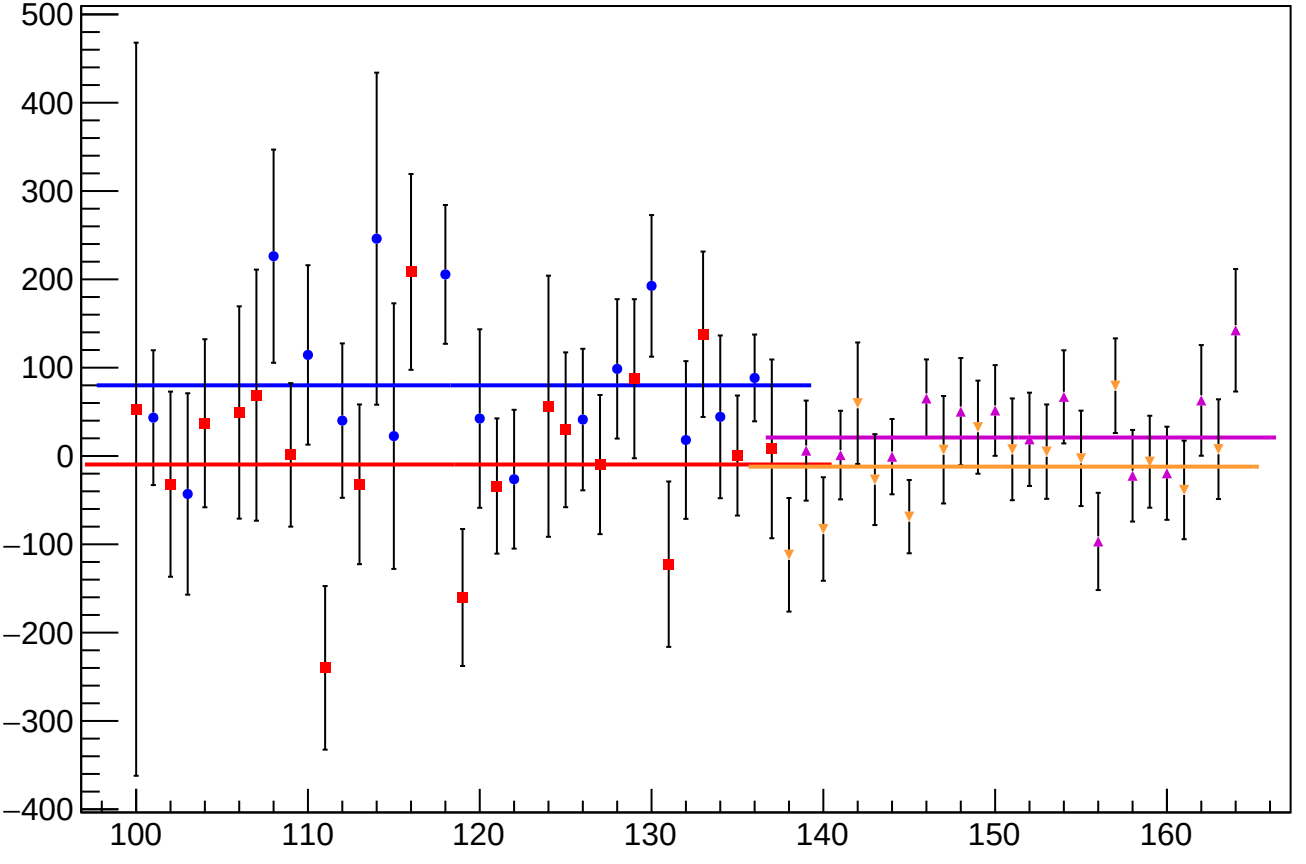
Left In: 474.872+/-0.103 χ^2/NDF:652757.7/12

+ sign 518.674+/-0.088 χ^2/NDF: 2024079.4/29

All: 515.096+/-0.062 χ^2/NDF: 3987867.6/61

- 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: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

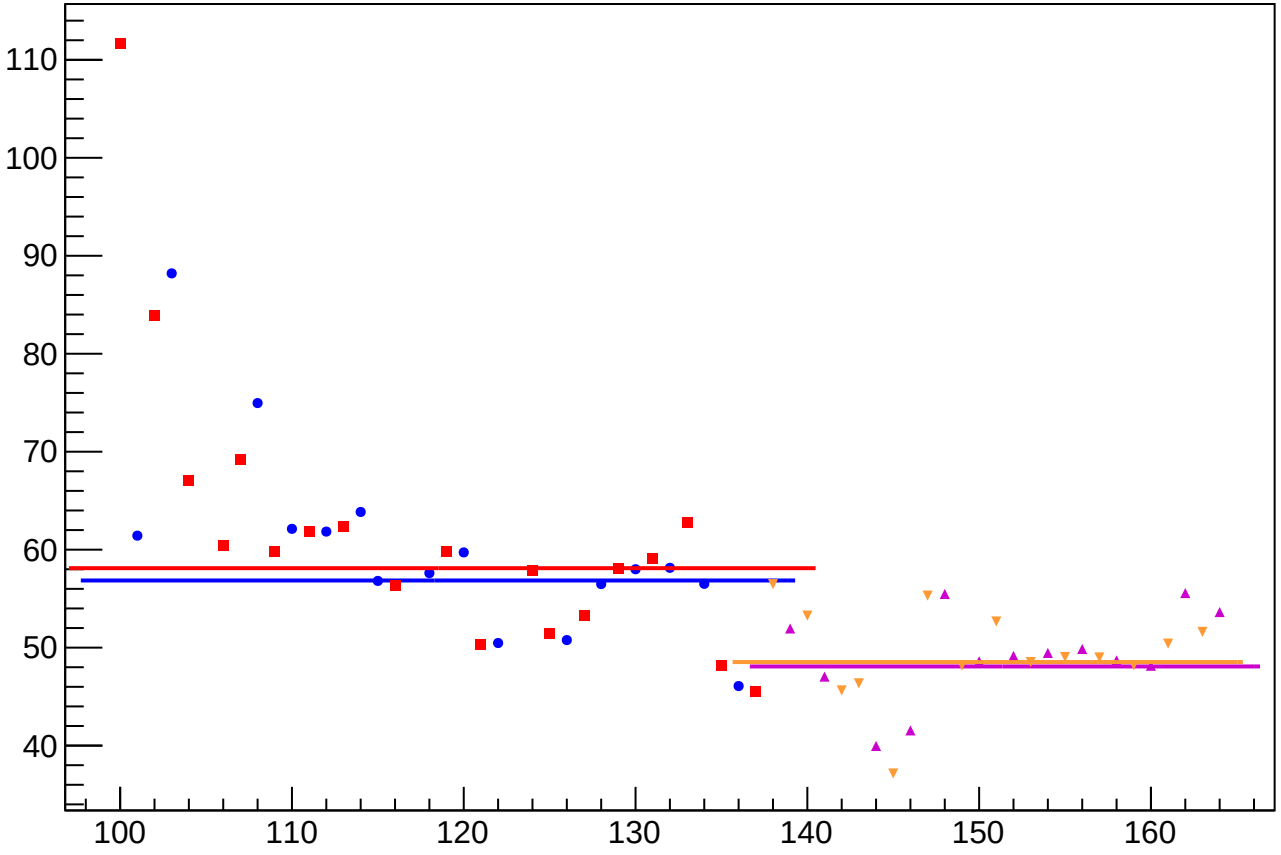
Left In: 20.933+/-14.643 χ^2/NDF:12.2/12

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 14.224+/-8.560 χ^2/NDF: 69.4/61

- 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: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

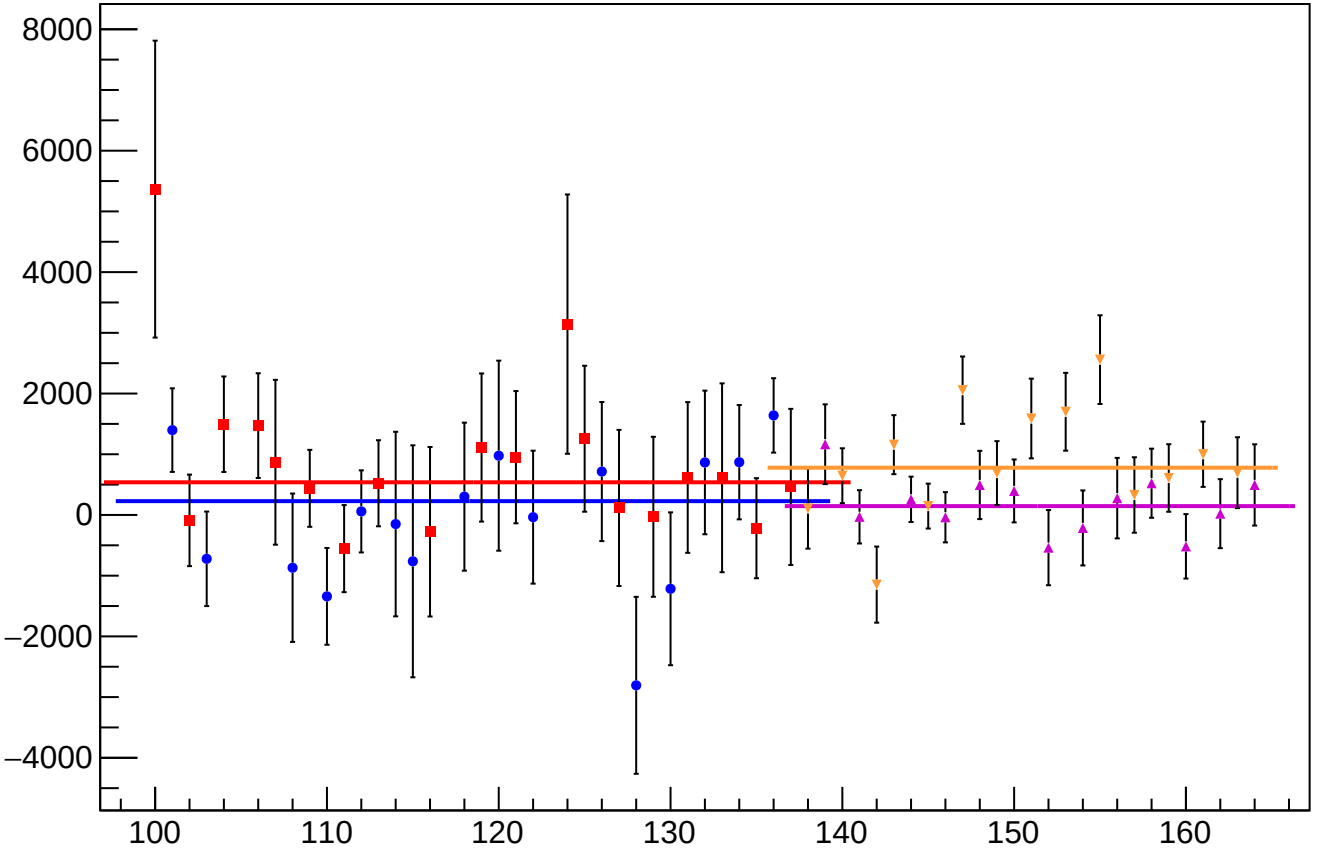
Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 51.165+/-0.009 χ^2/NDF: 792120.8/29

All: 51.198+/-0.006 χ^2/NDF: 1602287.3/61

- 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: 778.553+/-145.873 χ^2/NDF:29.8/13

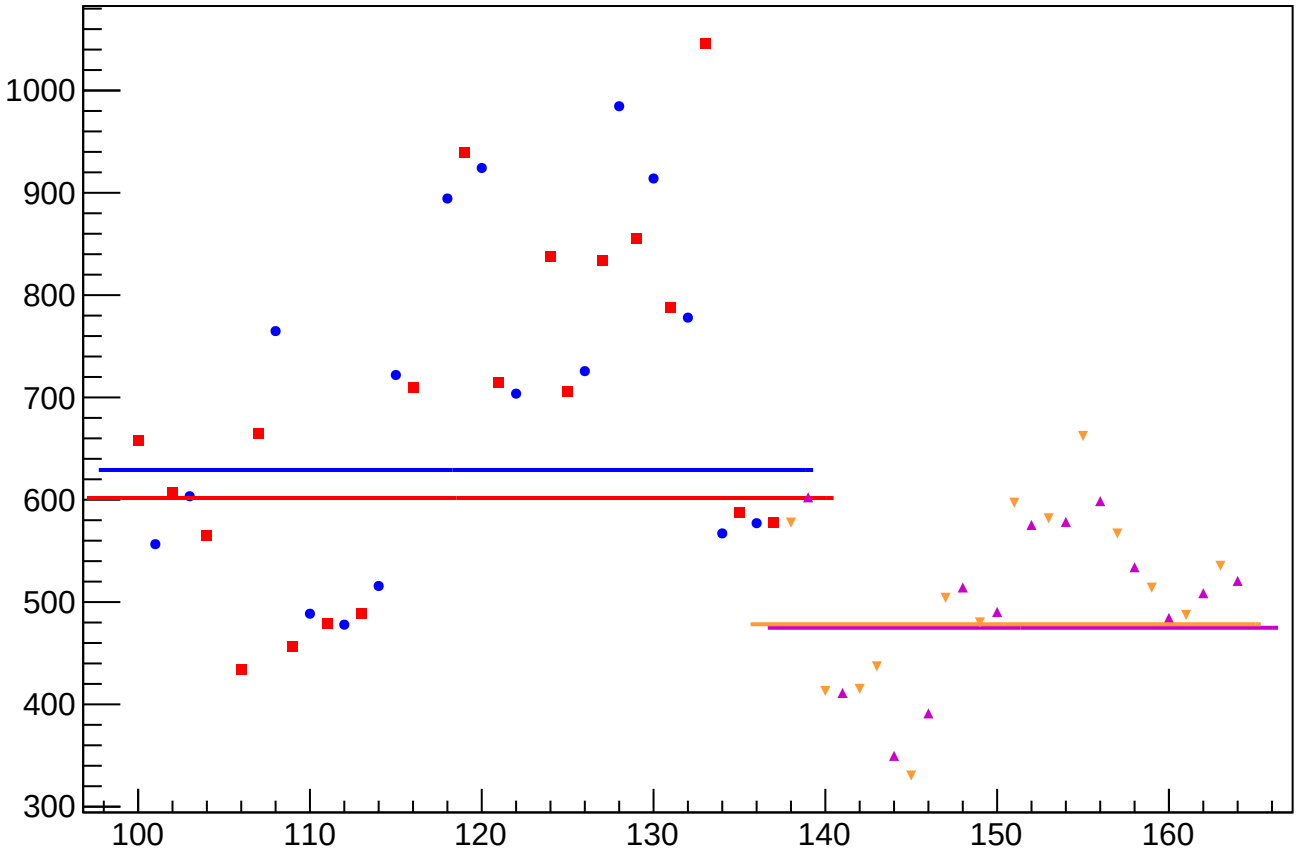
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 145.570+/-146.069 χ^2/NDF:7.4/12

+ sign 631.013+/-124.825 χ^2/NDF: 55.2/29

All: 442.571+/-87.652 χ^2/NDF: 82.5/61

- 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: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

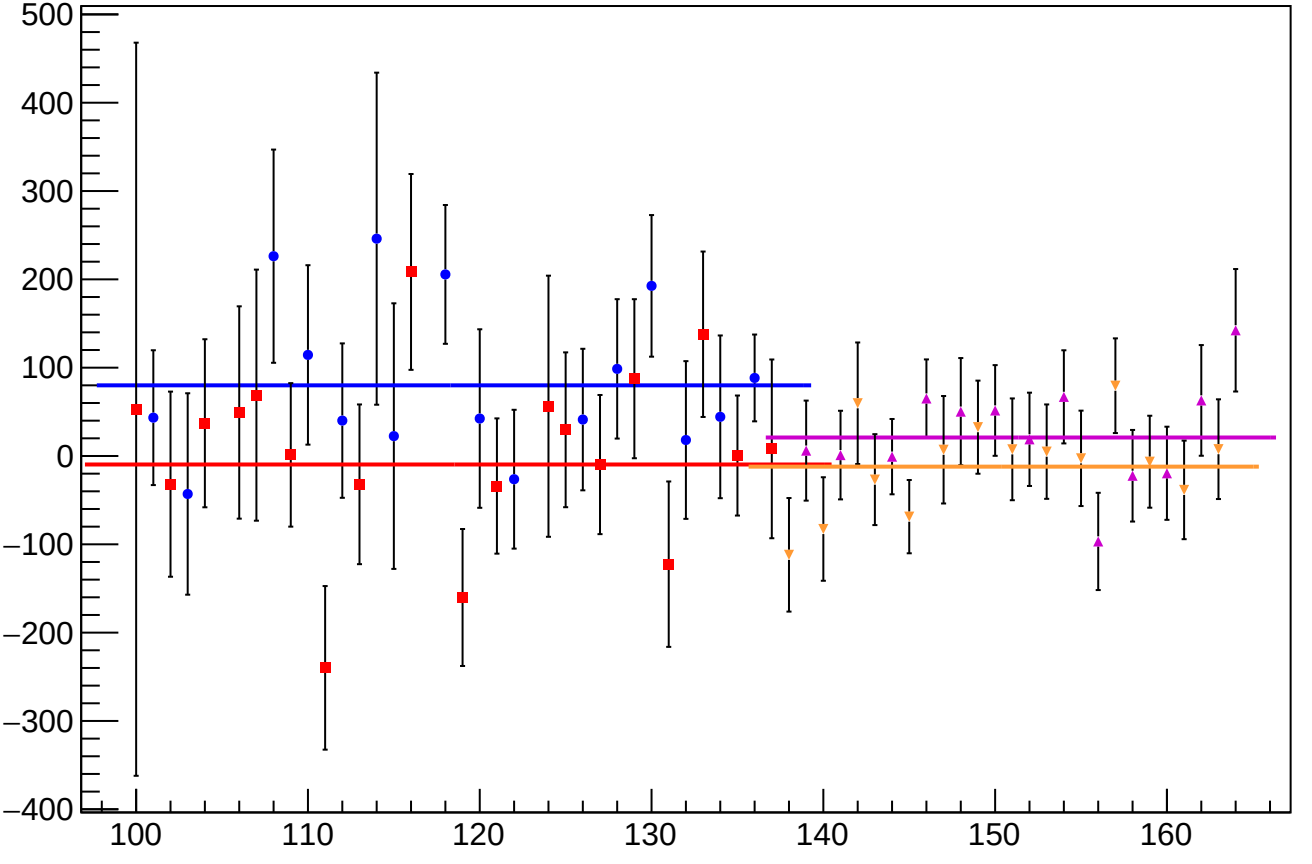
Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

+ sign 518.675+/-0.088 χ^2/NDF: 2024103.8/29

All: 515.095+/-0.062 χ^2/NDF: 3991006.0/61

- sign 511.613+/-0.087 χ^2/NDF: 1963656.9/31

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

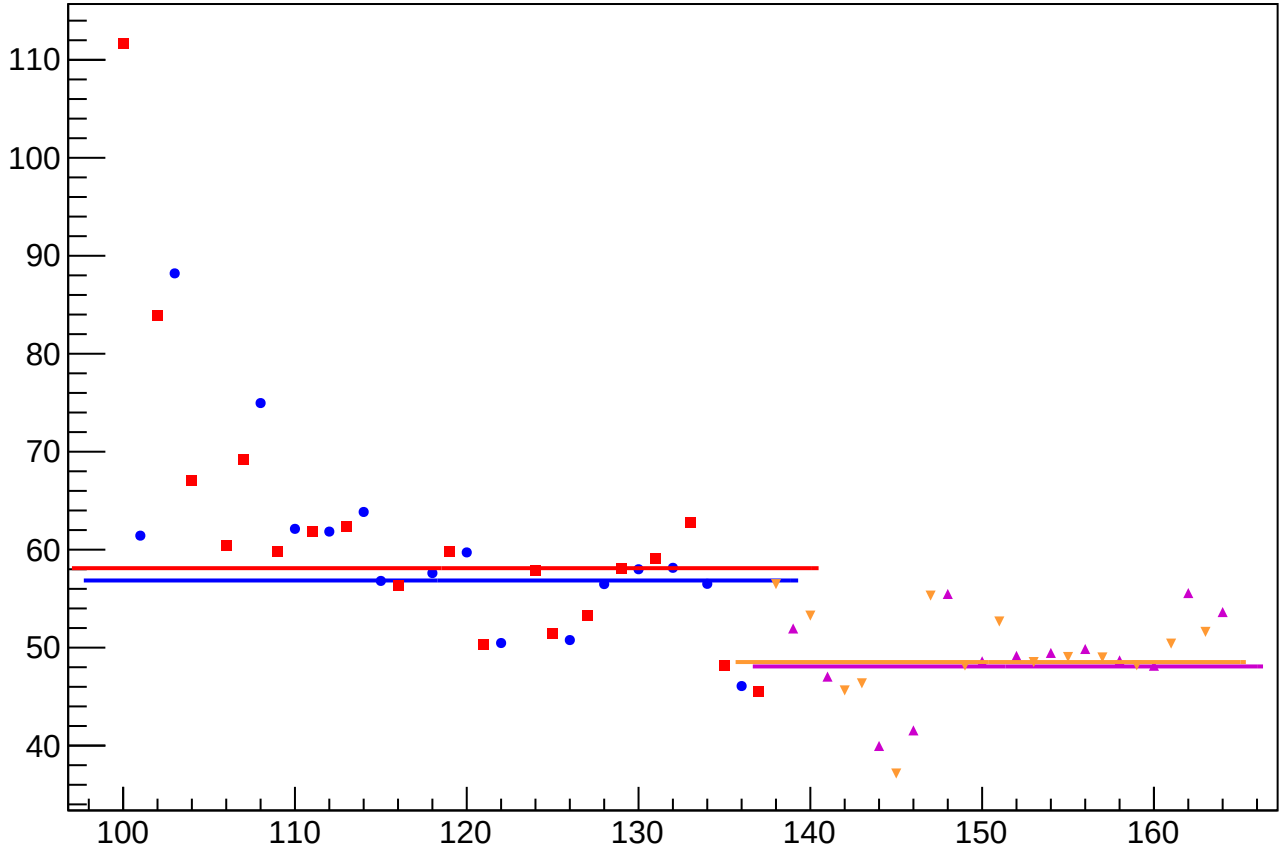
Left In: 20.933+/-14.643 χ^2/NDF:12.2/12

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 14.224+/-8.560 χ^2/NDF: 69.4/61

- 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: 48.528+/-0.010 χ^2/NDF:245082.2/13

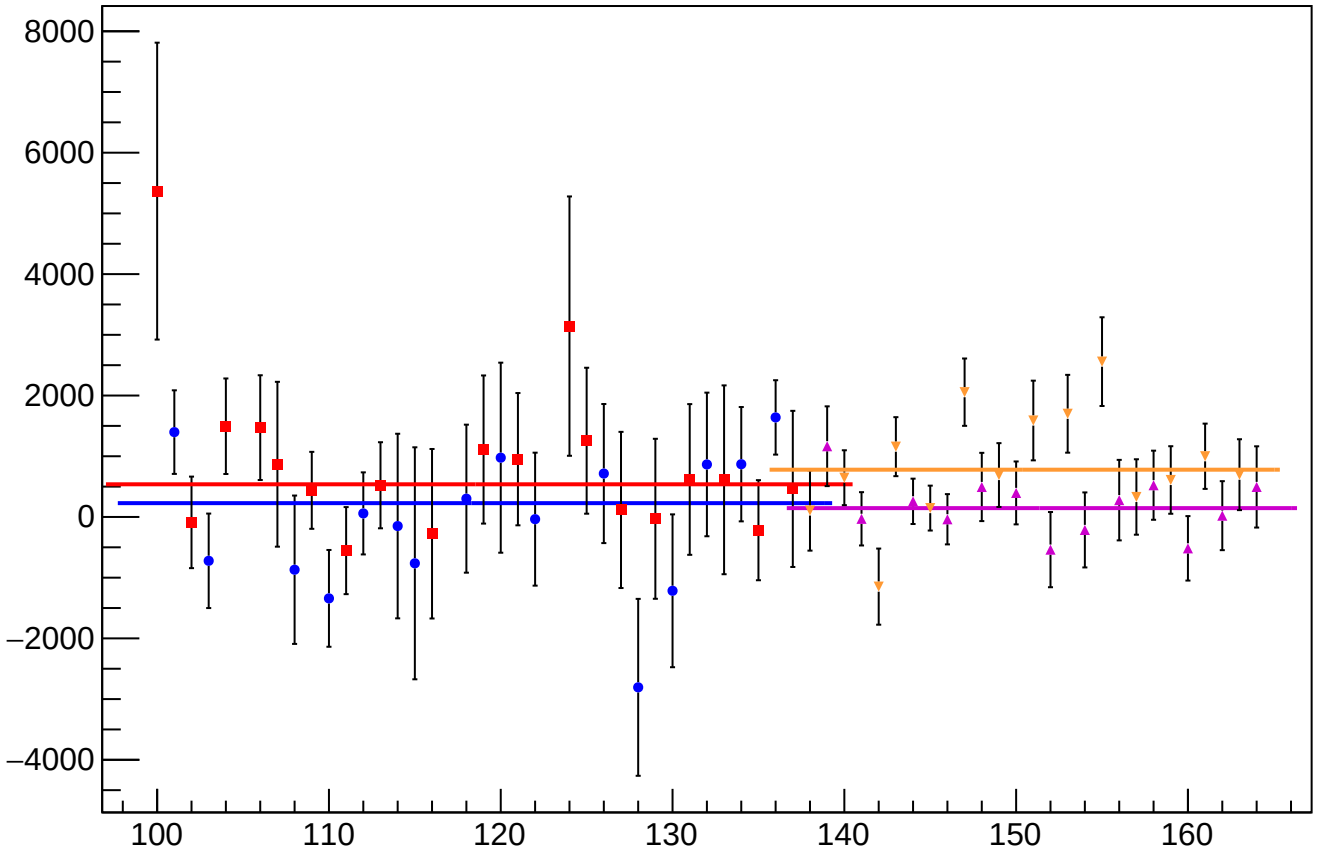
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 51.165+/-0.009 χ^2/NDF: 792120.8/29

All: 51.198+/-0.006 χ^2/NDF: 1602287.3/61

- sign 51.232+/-0.009 χ^2/NDF: 810136.1/31



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 778.553+/-145.873 χ^2/NDF:29.8/13

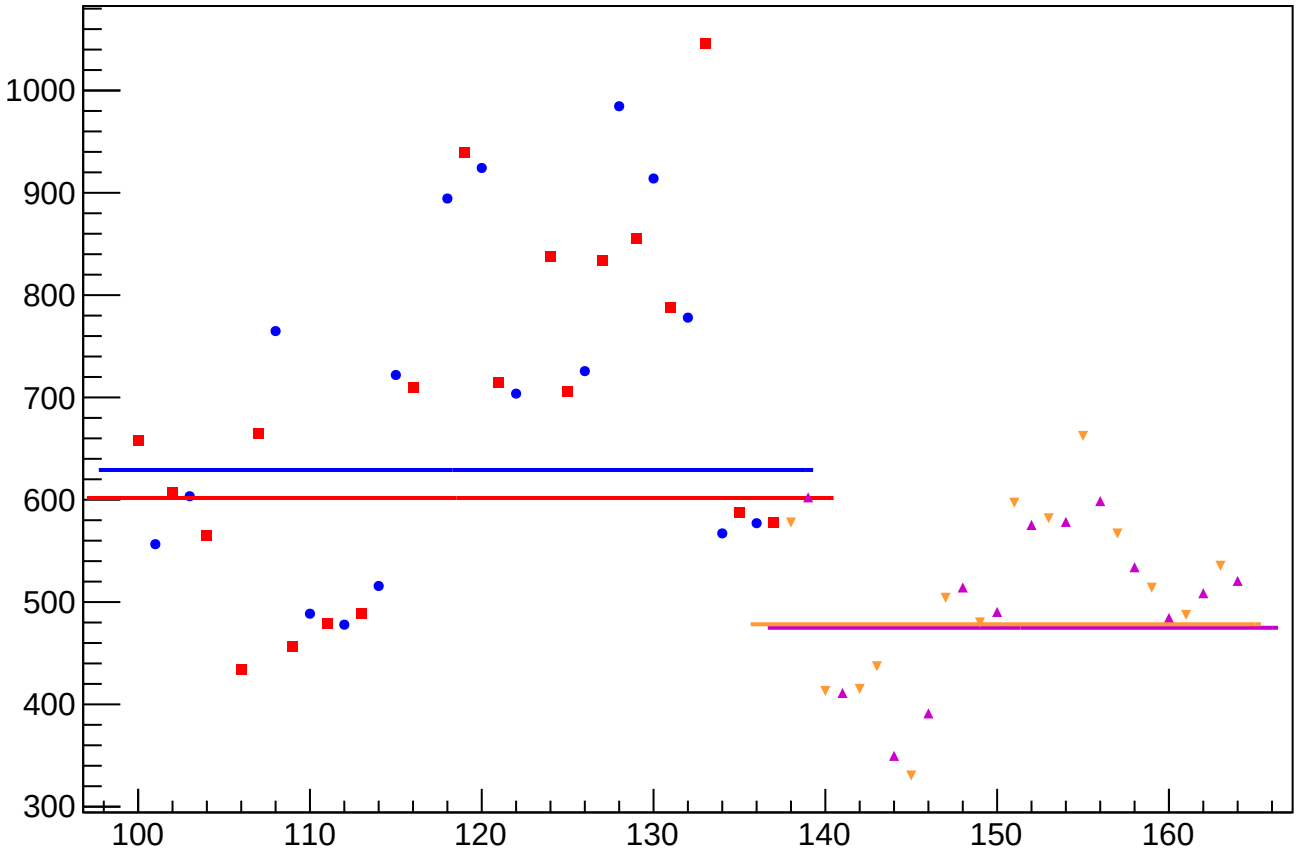
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 145.570+/-146.069 χ^2/NDF:7.4/12

+ sign 631.013+/-124.825 χ^2/NDF: 55.2/29

All: 442.571+/-87.652 χ^2/NDF: 82.5/61

- 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: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

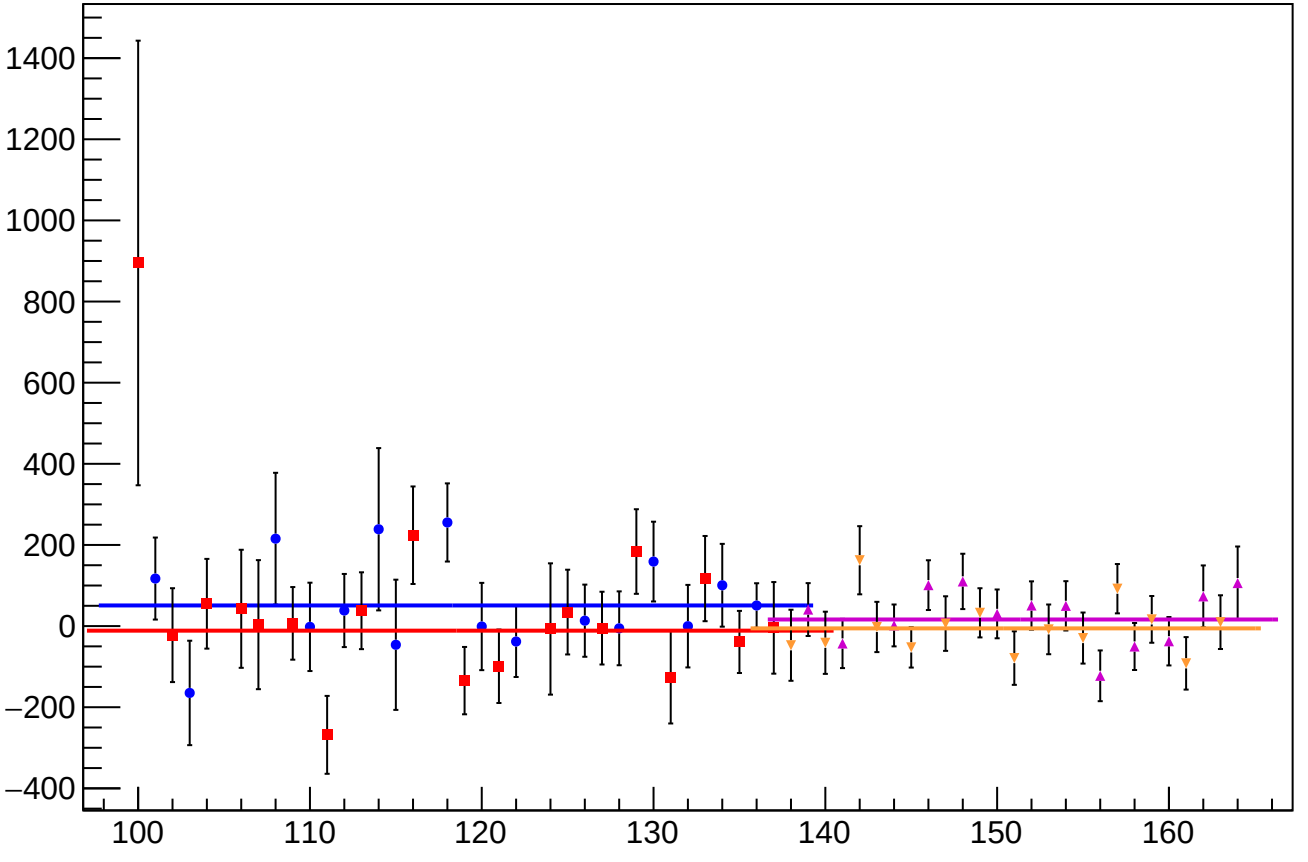
Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

+ sign 518.675+/-0.088 χ^2/NDF: 2024103.8/29

All: 515.095+/-0.062 χ^2/NDF: 3991006.0/61

- 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: -5.652+/-17.185 χ^2/NDF:11.7/13

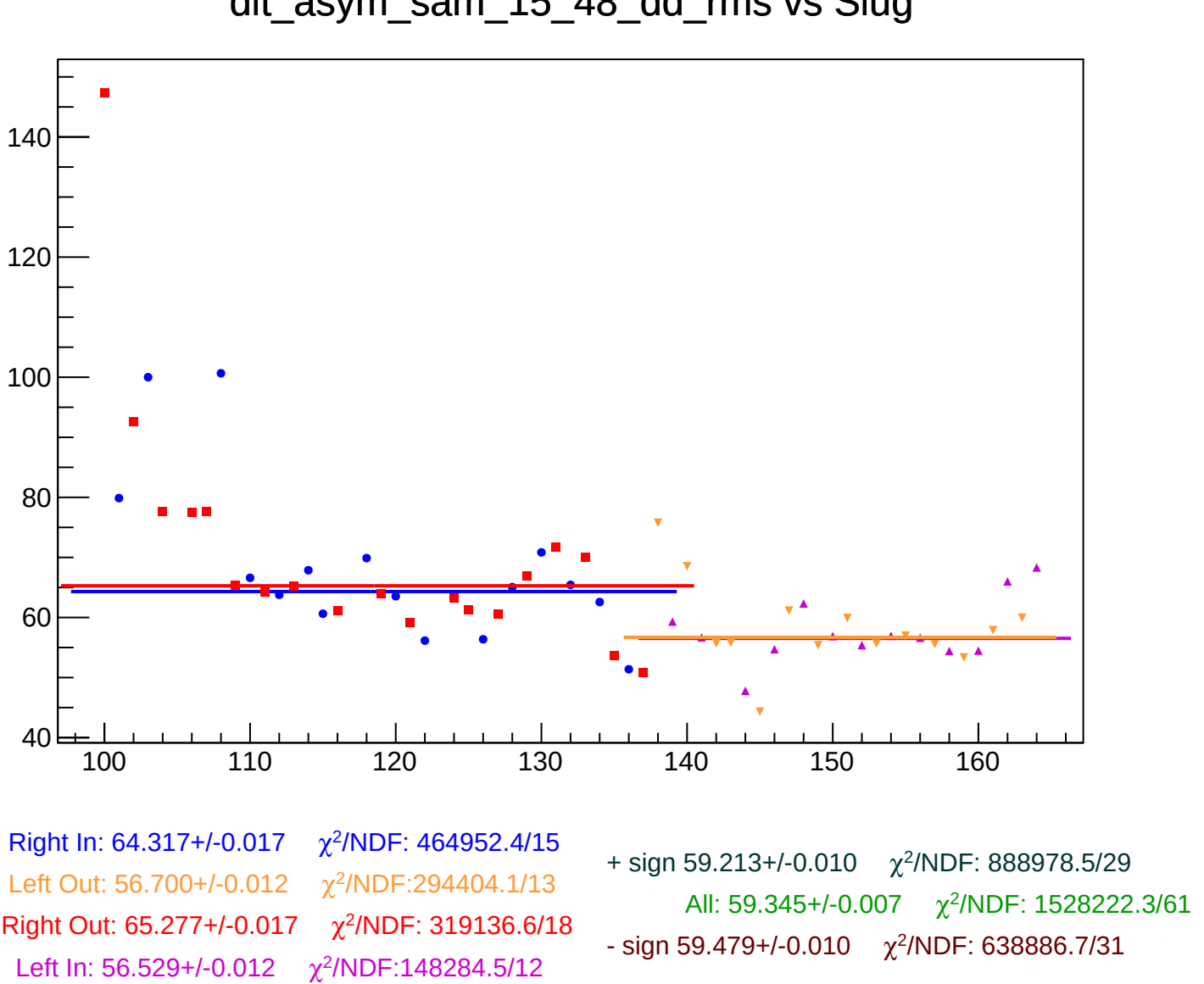
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 16.267+/-17.350 χ^2/NDF:14.3/12

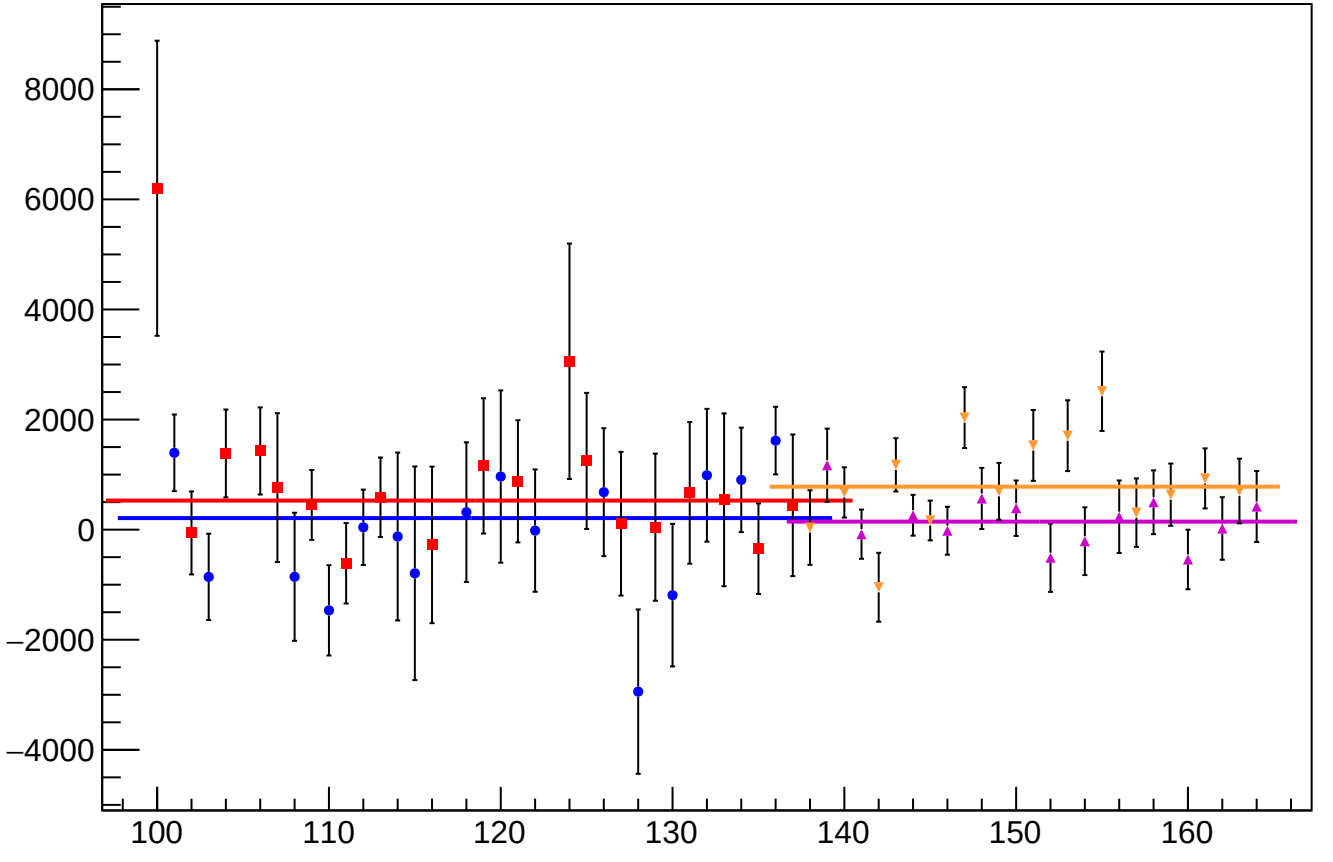
+ sign 12.991+/-14.067 χ^2/NDF: 29.1/29

All: 10.000+/-9.968 χ^2/NDF: 68.3/61

- sign 6.984+/-14.125 χ^2/NDF: 39.1/31


dit_asym_sam_15_48_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 64.317+/-0.017 χ²/NDF: 464952.4/15
Left Out: 56.700+/-0.012 χ²/NDF:294404.1/13
Right Out: 65.277+/-0.017 χ²/NDF: 319136.6/18
Left In: 56.529+/-0.012 χ²/NDF:148284.5/12
+ sign 59.213+/-0.010 χ²/NDF: 888978.5/29
All: 59.345+/-0.007 χ²/NDF: 1528222.3/61
- sign 59.479+/-0.010 χ²/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: 780.605+/-145.551 χ^2/NDF:28.5/13

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

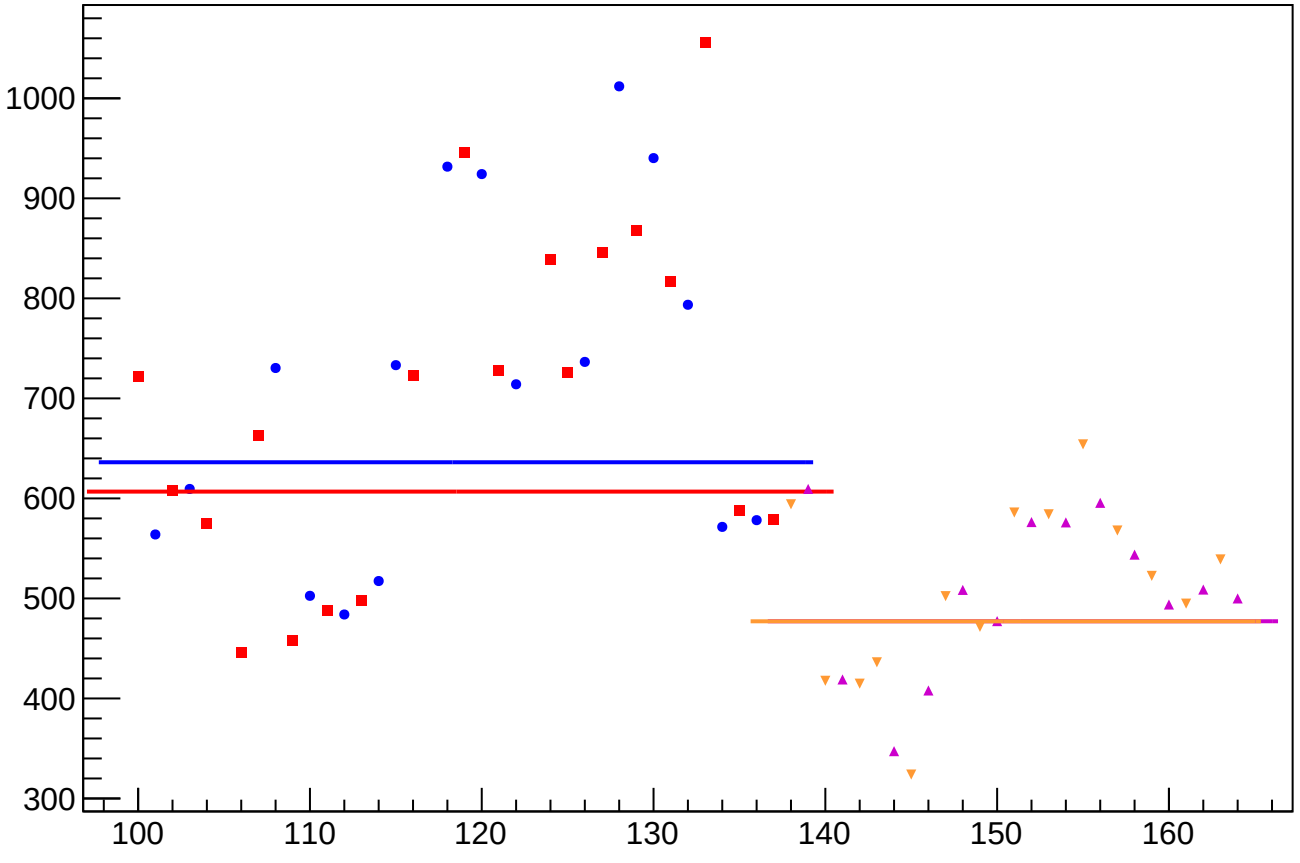
Left In: 145.854+/-146.744 χ^2/NDF:7.4/12

+ sign 630.672+/-124.973 χ^2/NDF: 54.9/29

All: 441.772+/-87.901 χ^2/NDF: 82.6/61

- 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: 477.129+/-0.103 χ^2/NDF:803886.9/13

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

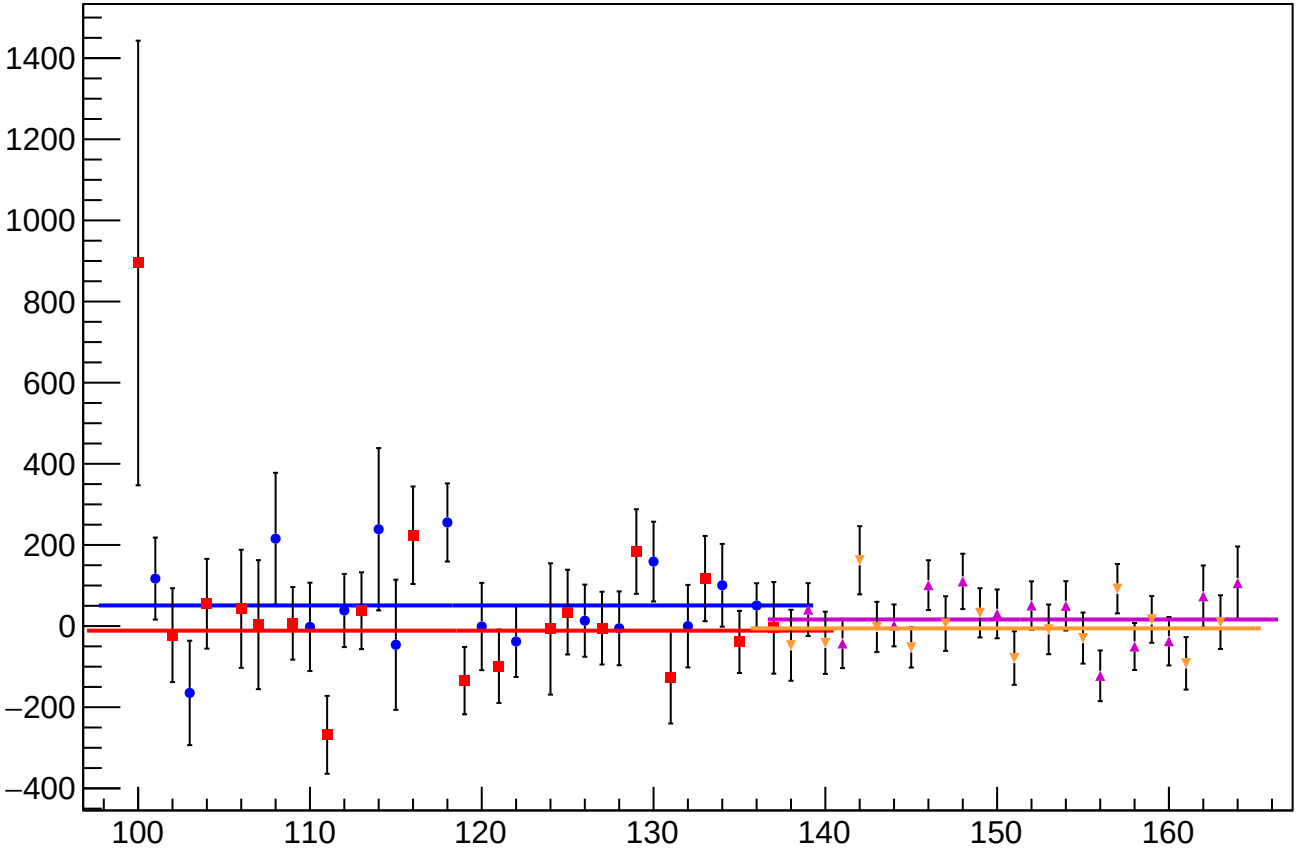
Left In: 477.181+/-0.104 χ^2/NDF:620002.7/12

\+ sign 518.914+/-0.088 χ^2/NDF: 2136387.5/29

All: 516.813+/-0.062 χ^2/NDF: 4103740.4/61

\- 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: -5.653+/-17.185 χ^2/NDF:11.7/13

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

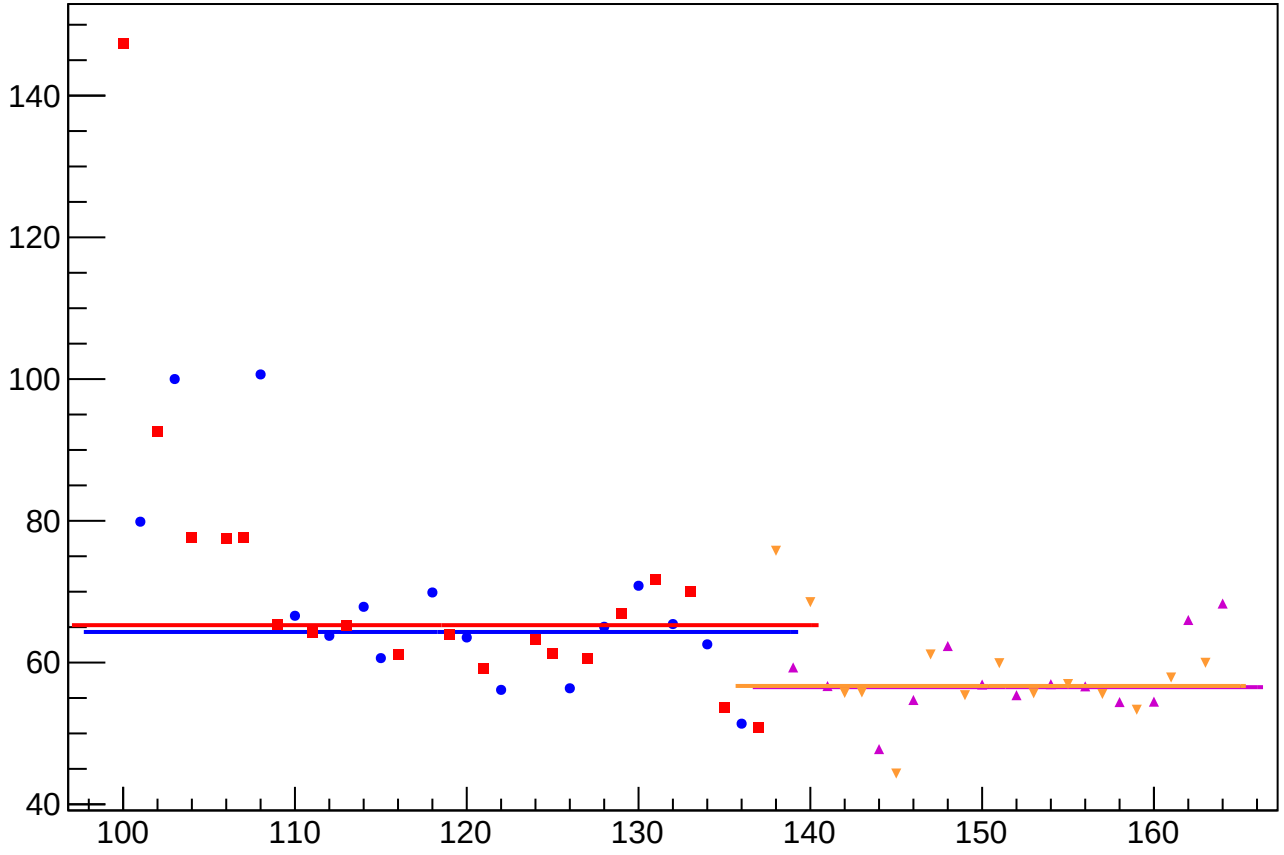
Left In: 16.266+/-17.350 χ^2/NDF:14.3/12

+ sign 12.990+/-14.067 χ^2/NDF: 29.1/29

All: 9.999+/-9.968 χ^2/NDF: 68.3/61

- 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: 56.700+/-0.012 χ^2/NDF:294390.5/13

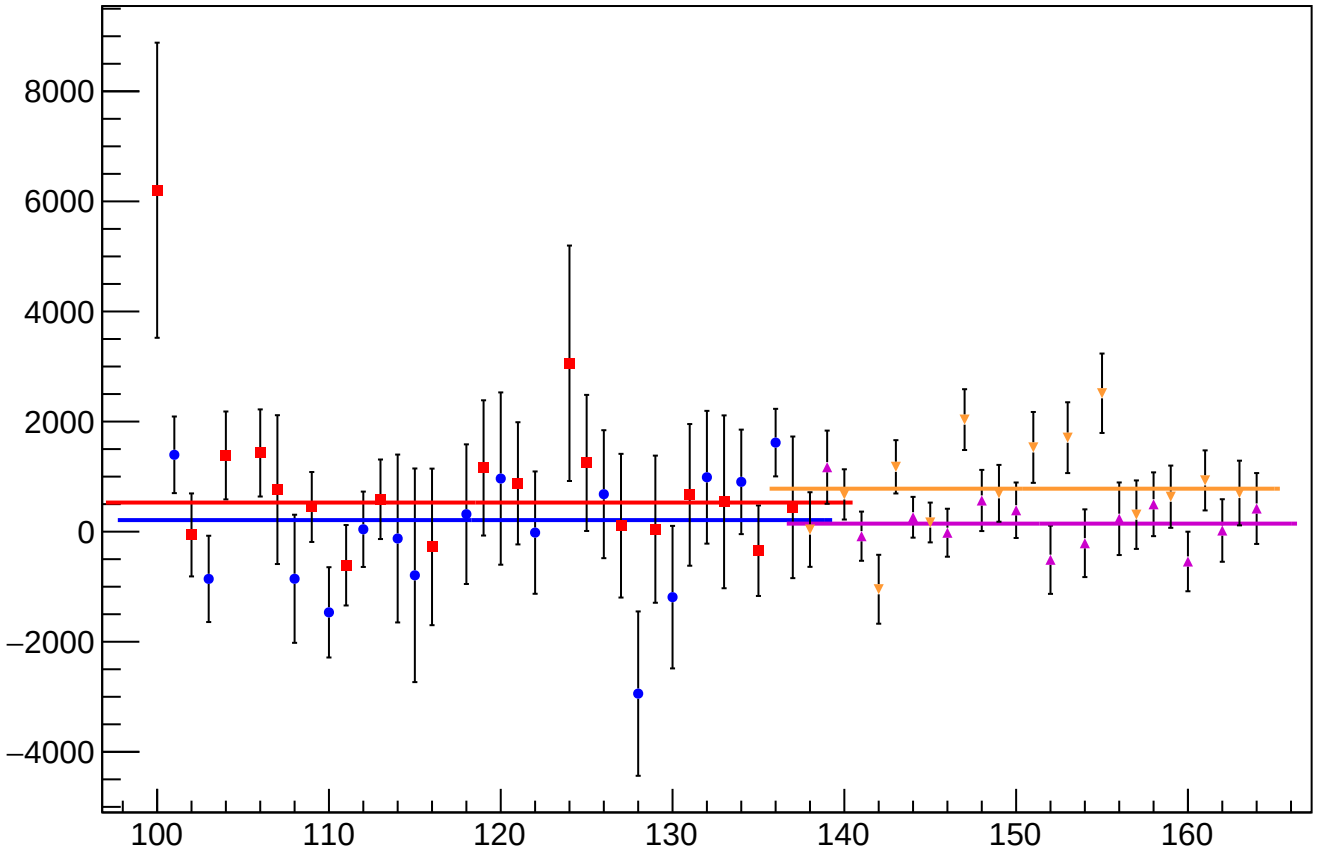
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.529+/-0.012 χ^2/NDF:148281.7/12

+ sign 59.213+/-0.010 χ^2/NDF: 888955.0/29

All: 59.345+/-0.007 χ^2/NDF: 1528189.9/61

- 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: 780.603+/-145.551 χ^2/NDF:28.5/13

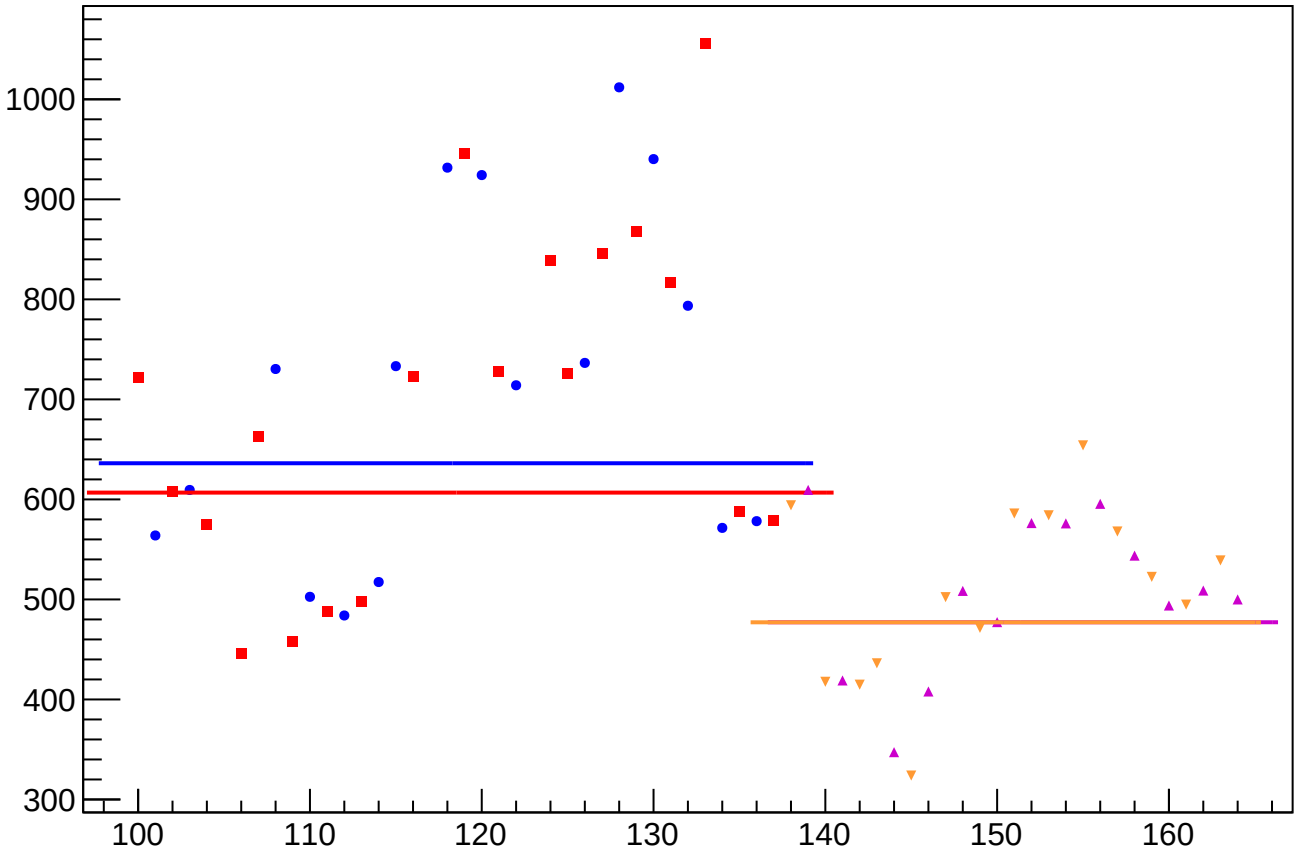
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 145.853+/-146.743 χ^2/NDF:7.4/12

\+ sign 630.670+/-124.973 χ^2/NDF: 54.9/29

All: 441.771+/-87.901 χ^2/NDF: 82.6/61

\- 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: 477.128+/-0.103 χ^2/NDF:803894.2/13

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

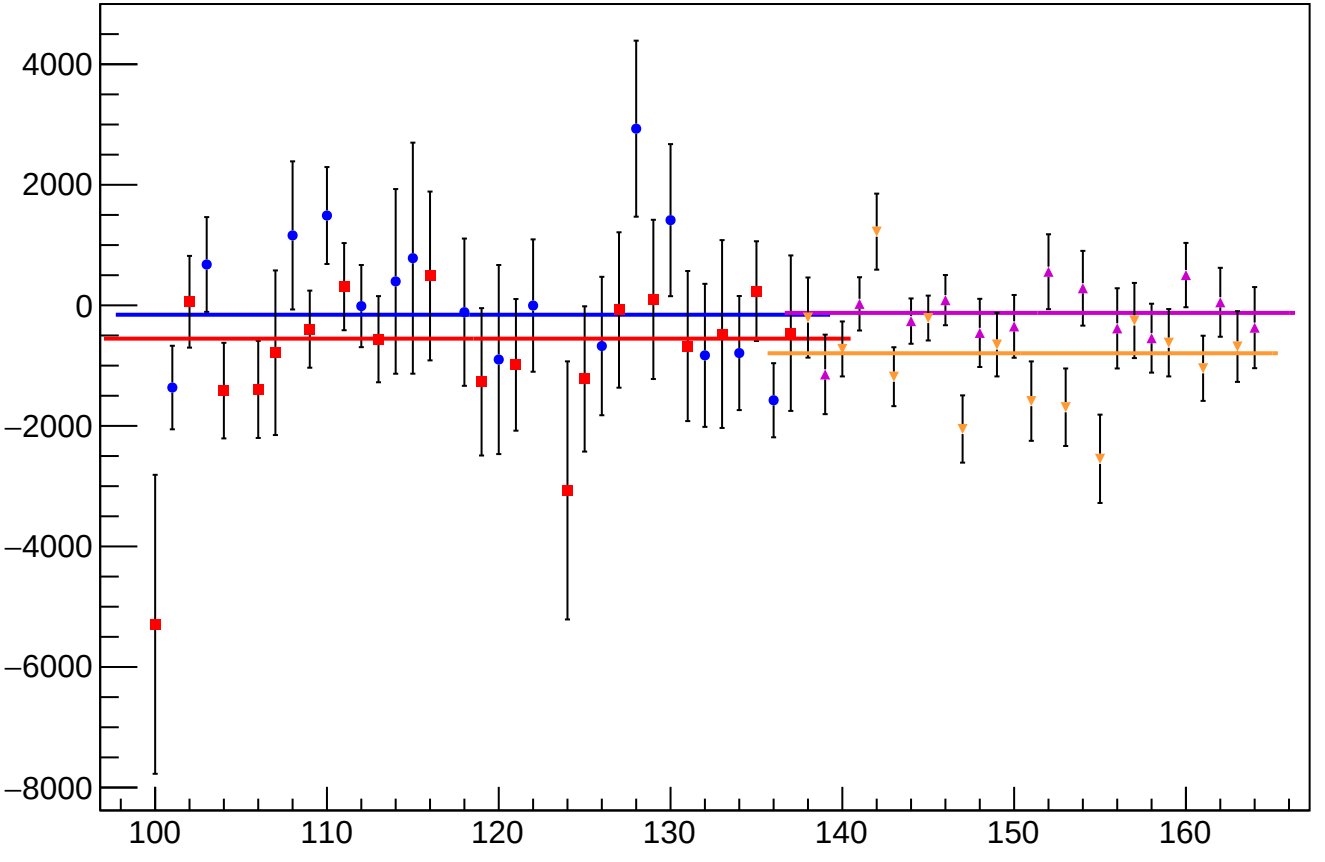
Left In: 477.181+/-0.104 χ^2/NDF:620003.5/12

+ sign 518.913+/-0.088 χ^2/NDF: 2136401.4/29

All: 516.812+/-0.062 χ^2/NDF: 4103757.9/61

- 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: -794.999+/-146.678 χ^2/NDF:29.5/13

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

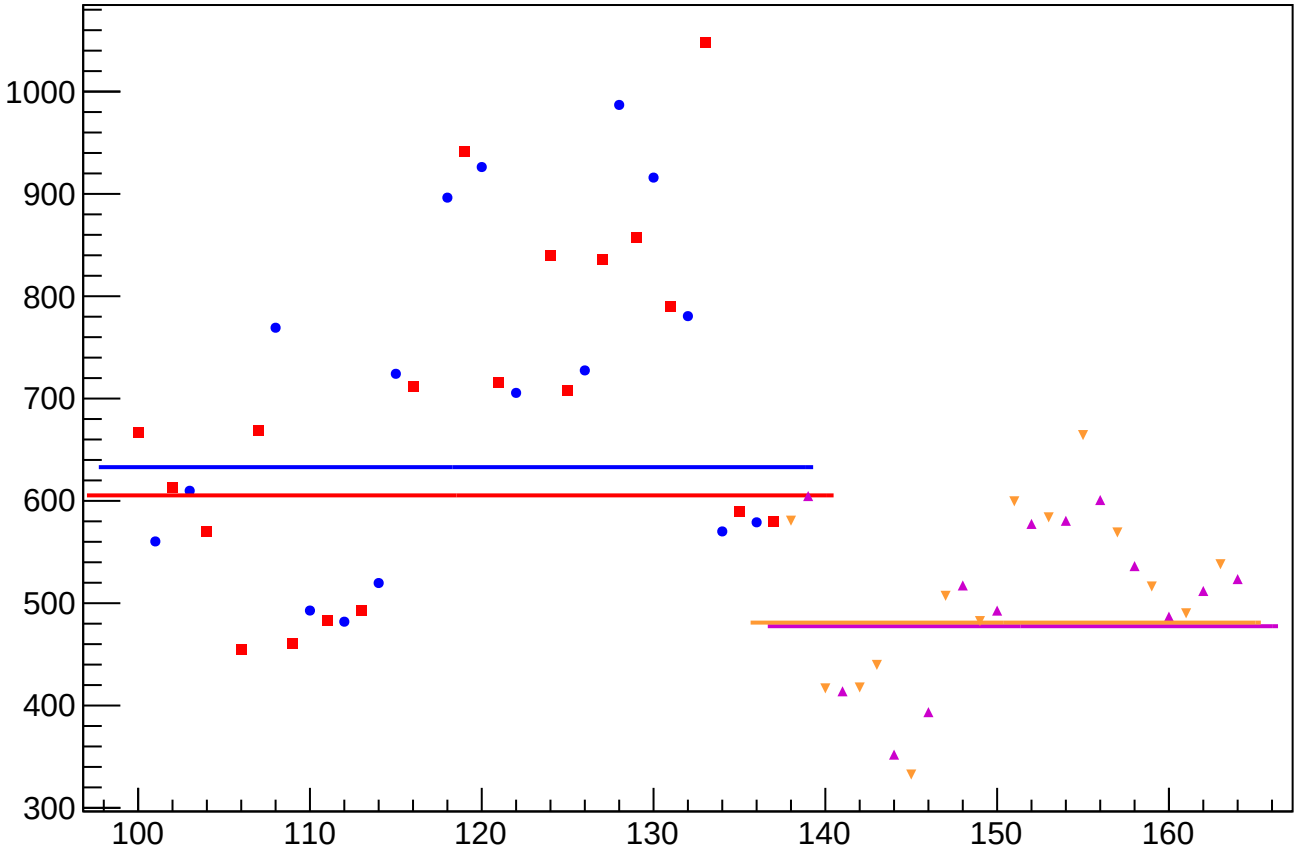
Left In: -125.550+/-146.860 χ^2/NDF:7.4/12

+ sign -623.843+/-125.519 χ^2/NDF: 57.1/29

All: -434.031+/-88.071 χ^2/NDF: 83.5/61

- 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: 481.048+/-0.104 χ^2/NDF:750284.7/13

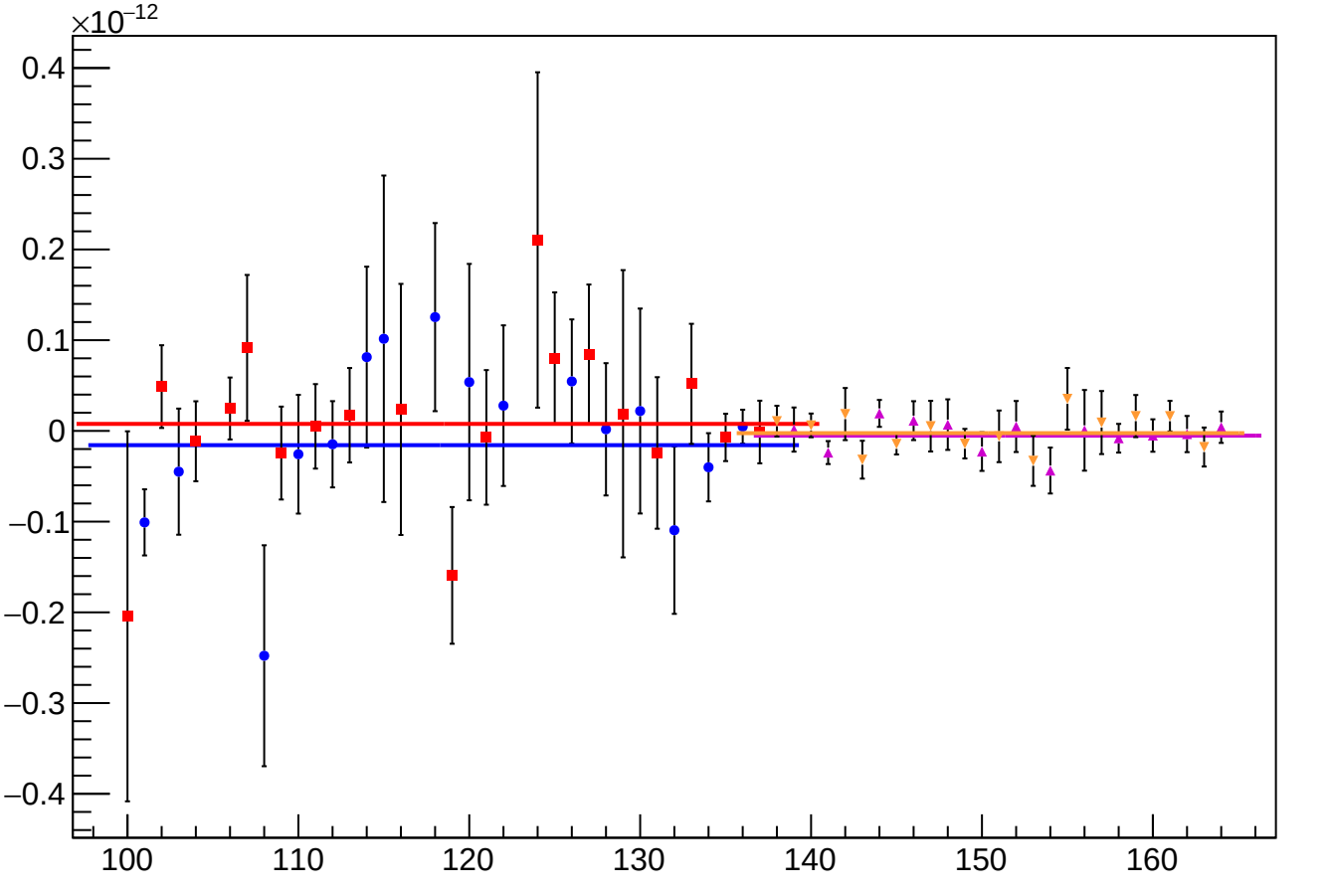
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 477.533+/-0.104 χ^2/NDF:645660.2/12

+ sign 521.717+/-0.089 χ^2/NDF: 2005768.0/29

All: 518.212+/-0.062 χ^2/NDF: 3950450.4/61

- 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:10.1/13

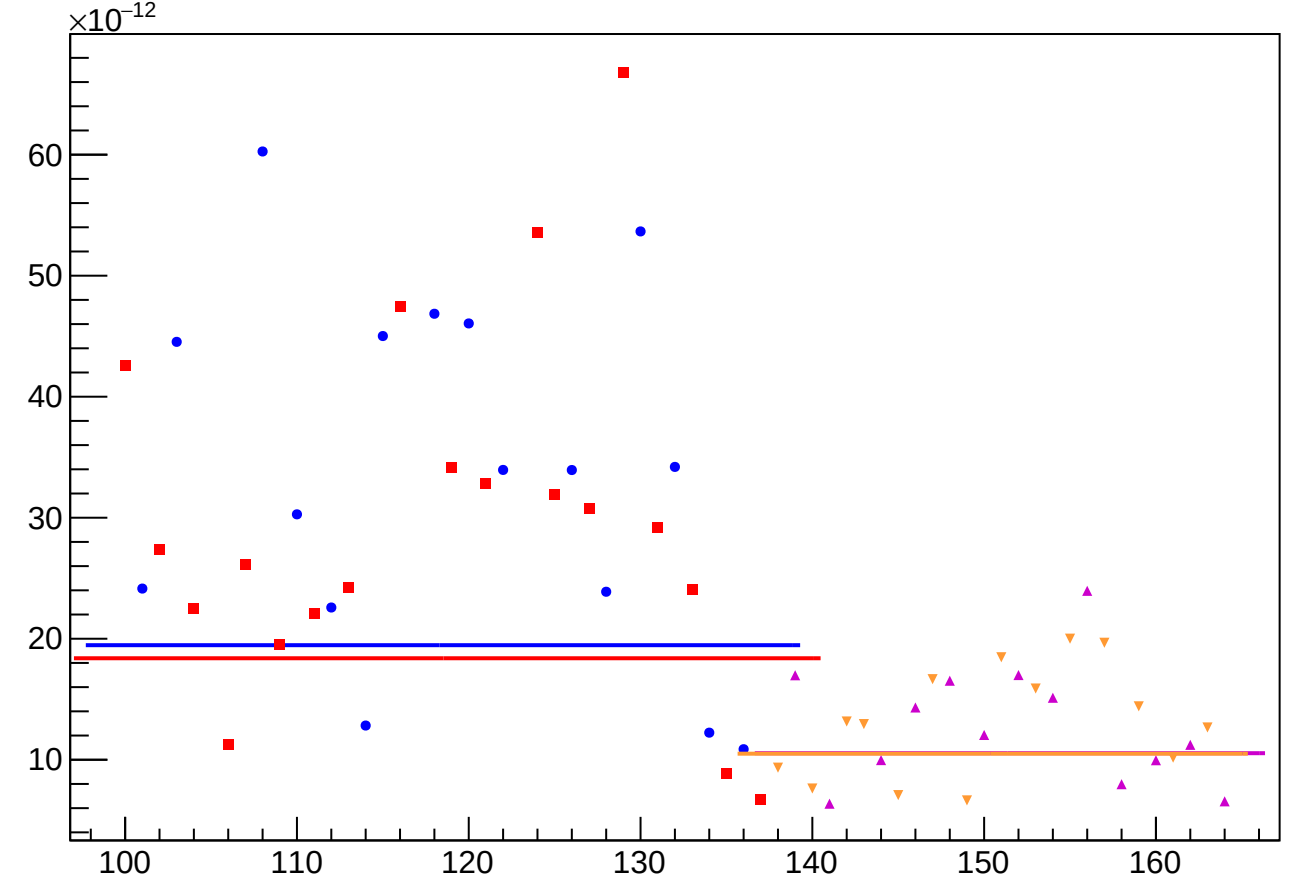
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/29

All: -0.000+/-0.000 χ^2/NDF: 51.1/61

- 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:1136397.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

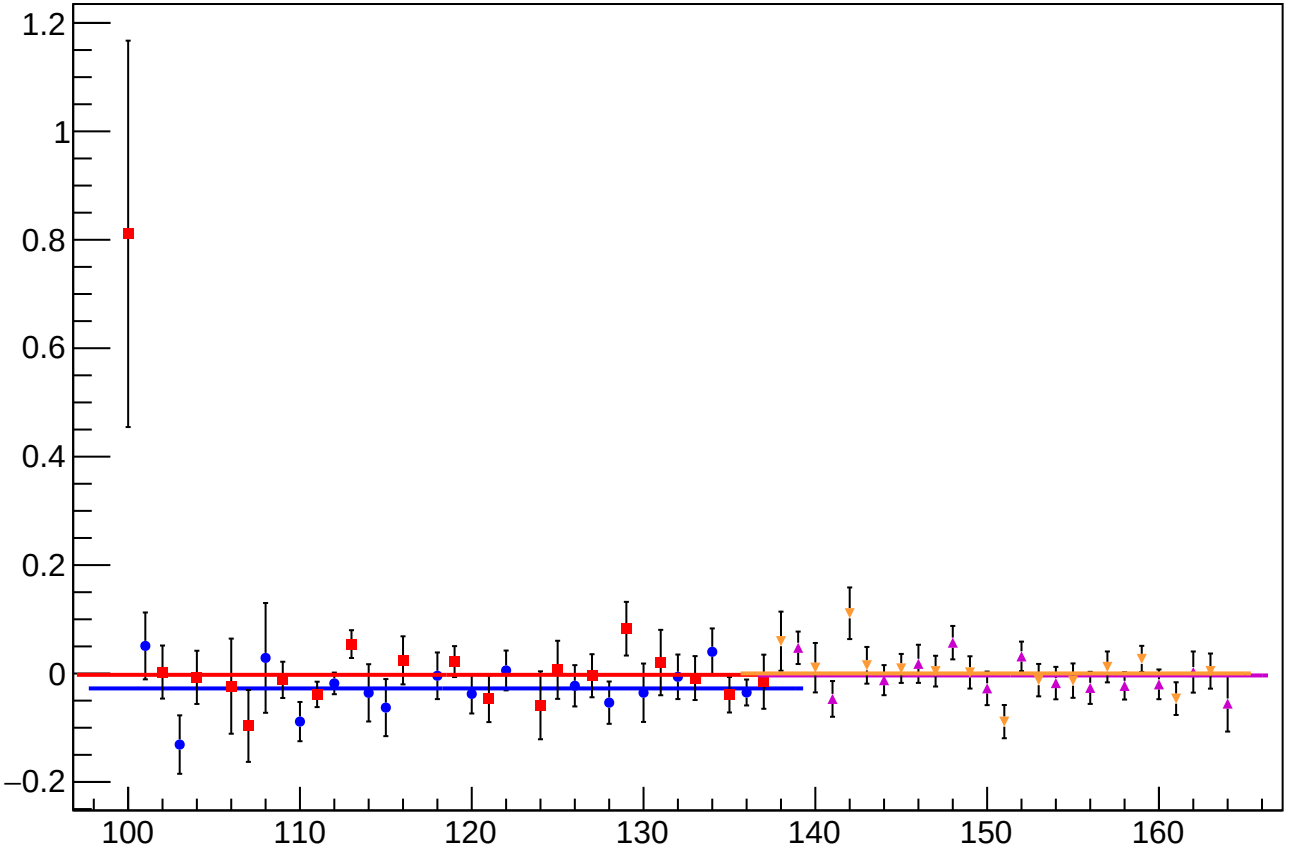
Left In: 0.000+/-0.000 χ^2/NDF:1040587.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3736101.9/29

All: 0.000+/-0.000 χ^2/NDF: 6917156.7/61

- 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: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

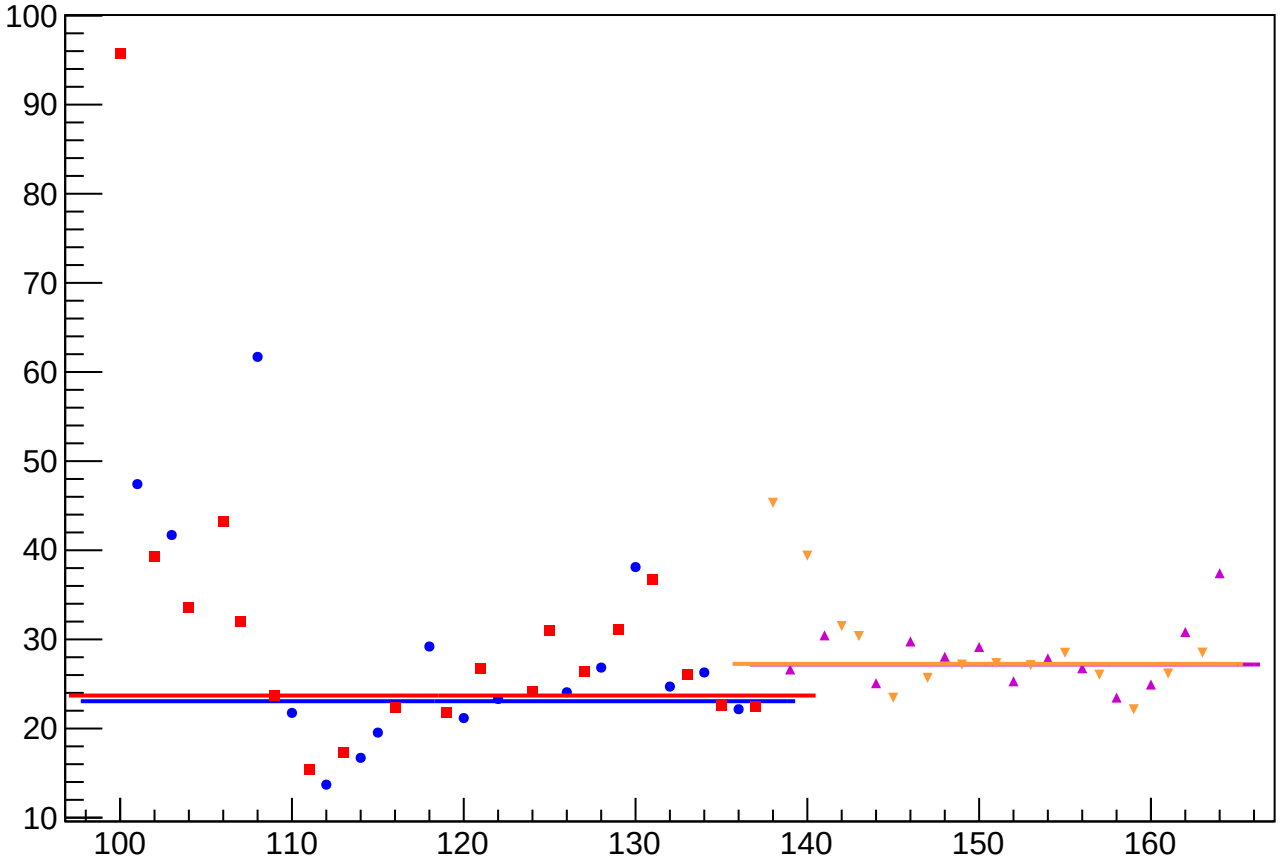
Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.008+/-0.004 χ^2/NDF: 75.2/61

- 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: 27.257+/-0.006 χ^2/NDF:543087.1/13

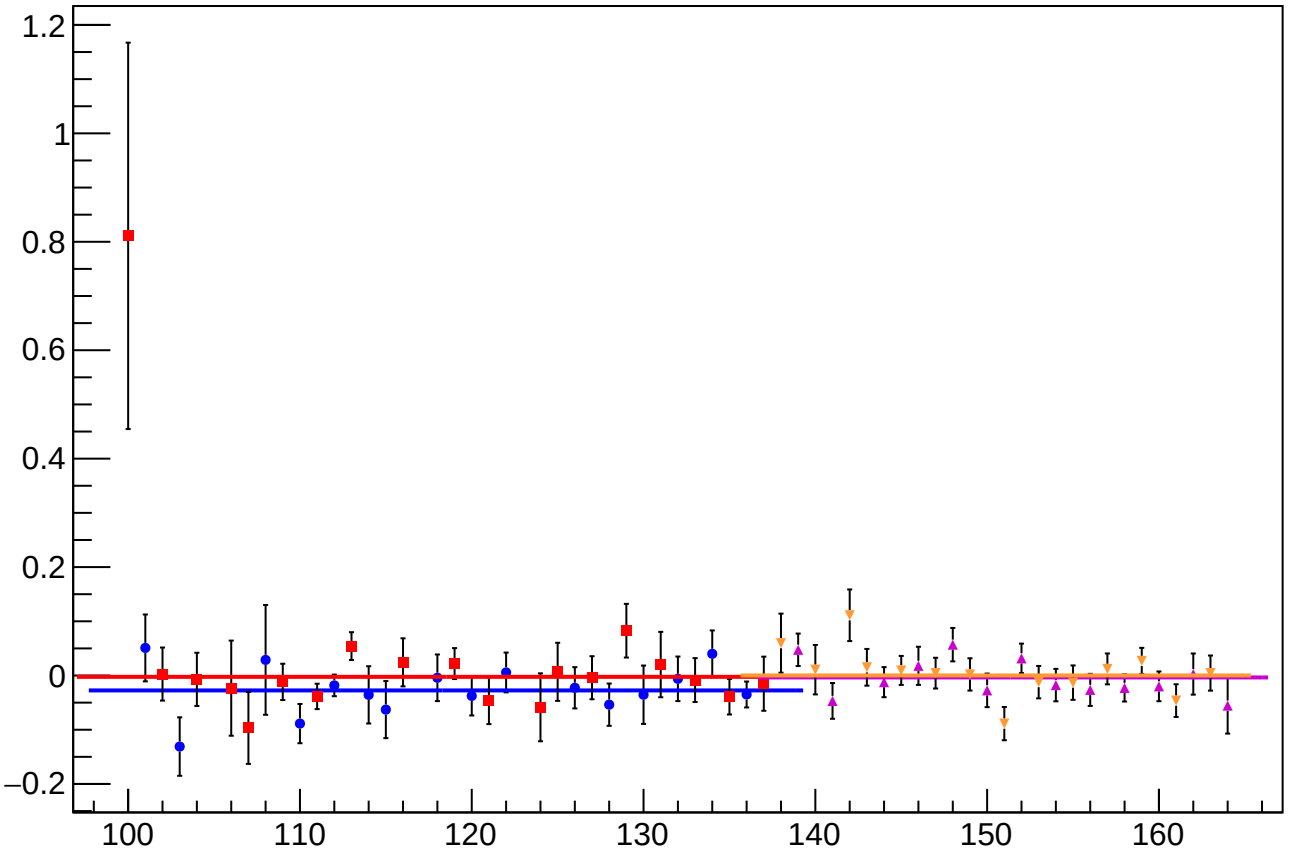
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

+ sign 25.389+/-0.004 χ^2/NDF: 2328221.8/29

All: 25.493+/-0.003 χ^2/NDF: 3788081.9/61

- 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: 0.000+/-0.008 χ^2/NDF:19.6/13

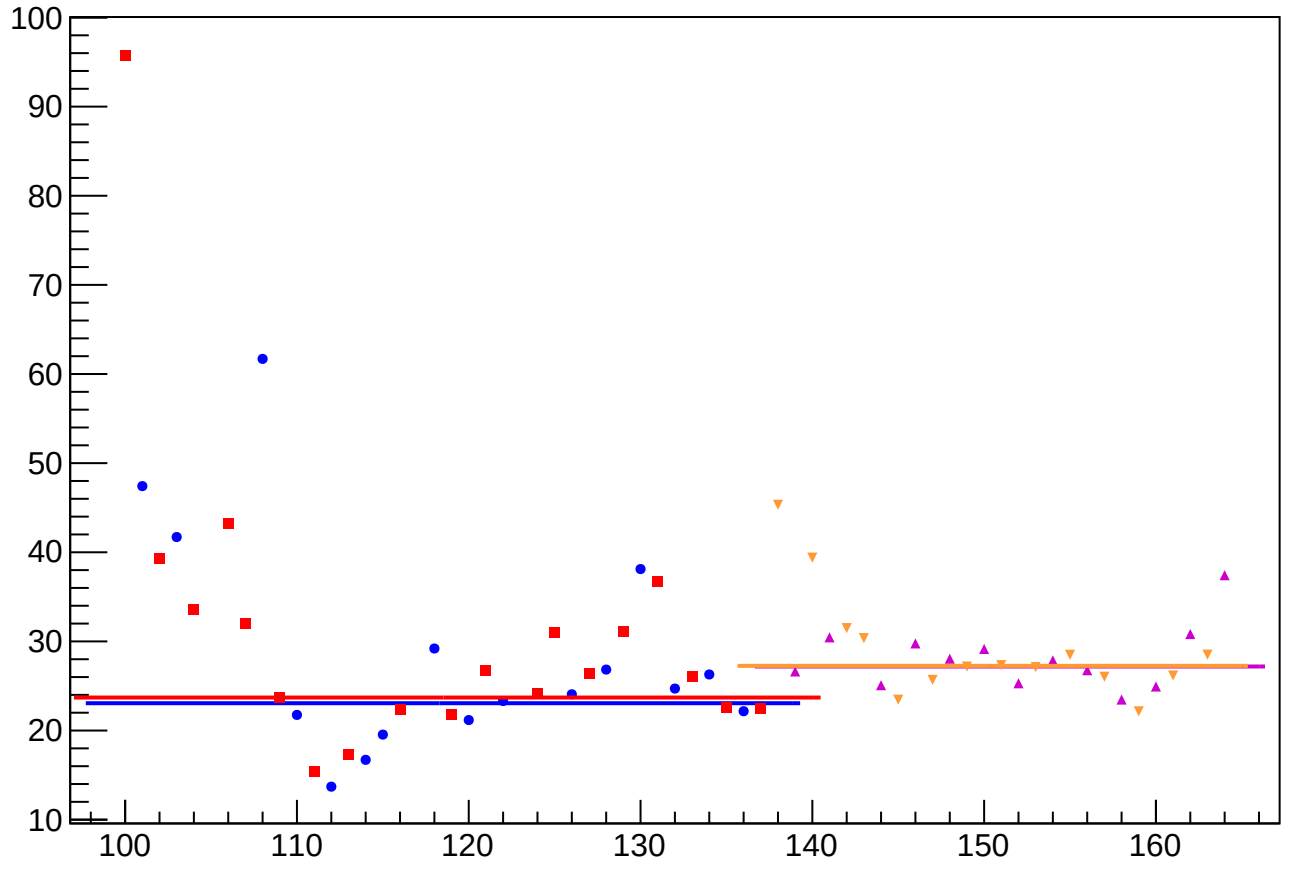
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.008+/-0.004 χ^2/NDF: 75.2/61

- 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: 27.257+/-0.006 χ^2/NDF:543087.1/13

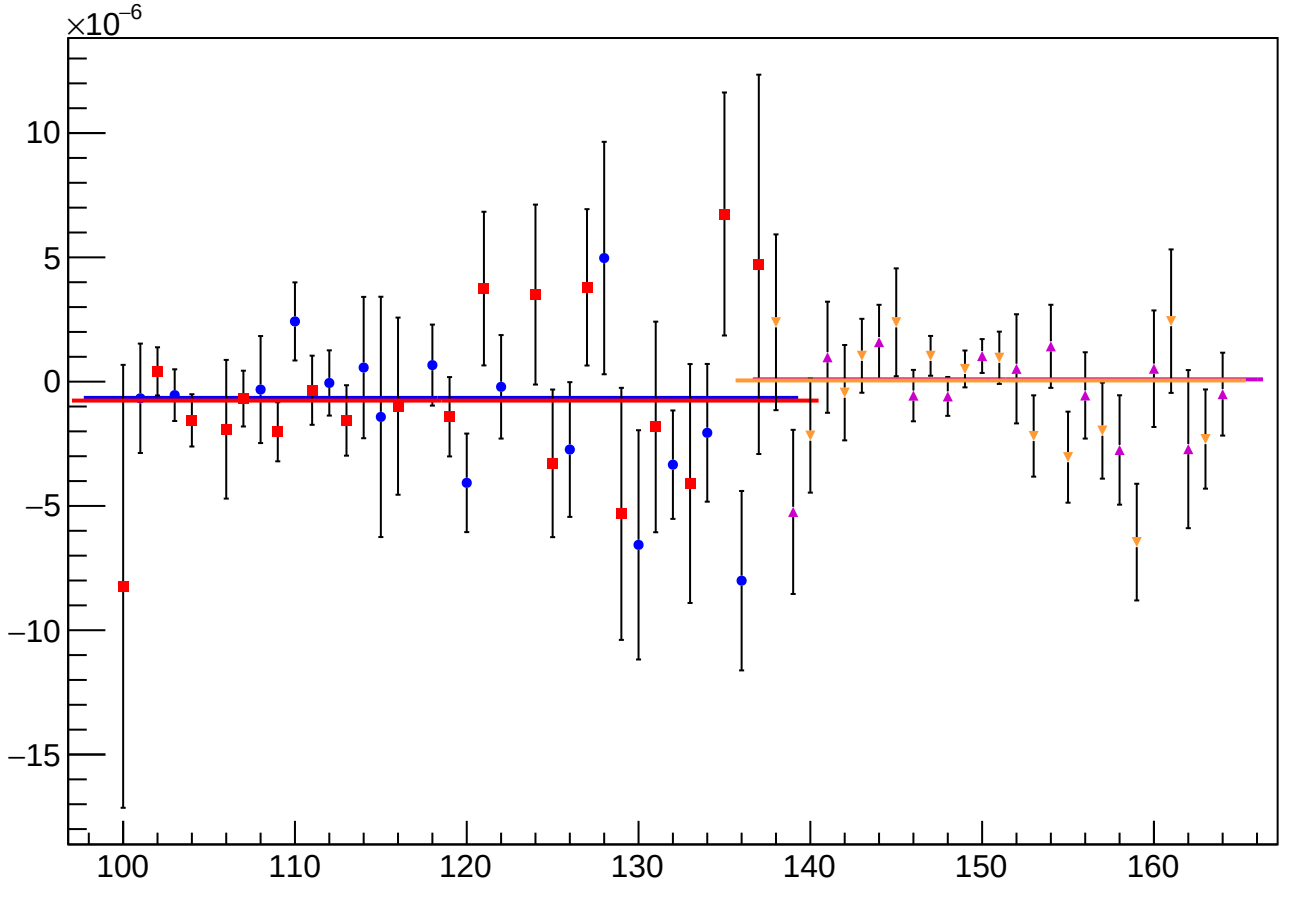
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

\+ sign 25.389+/-0.004 χ^2/NDF: 2328221.8/29

All: 25.493+/-0.003 χ^2/NDF: 3788081.9/61

\- 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:21.3/13

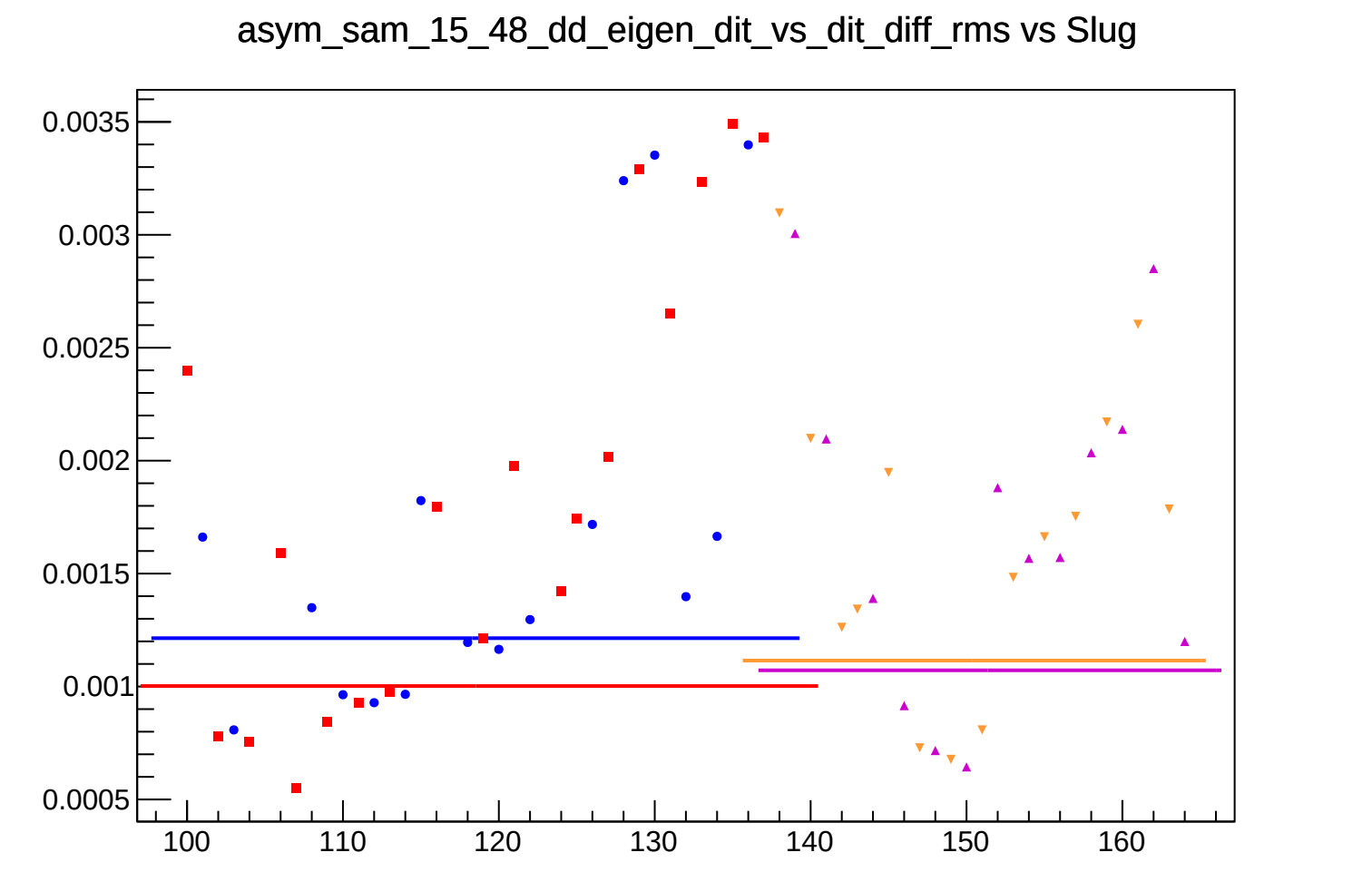
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: -0.000+/-0.000 χ^2/NDF: 67.9/61

- sign -0.000+/-0.000 χ^2/NDF: 27.7/31



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4342908.0/13

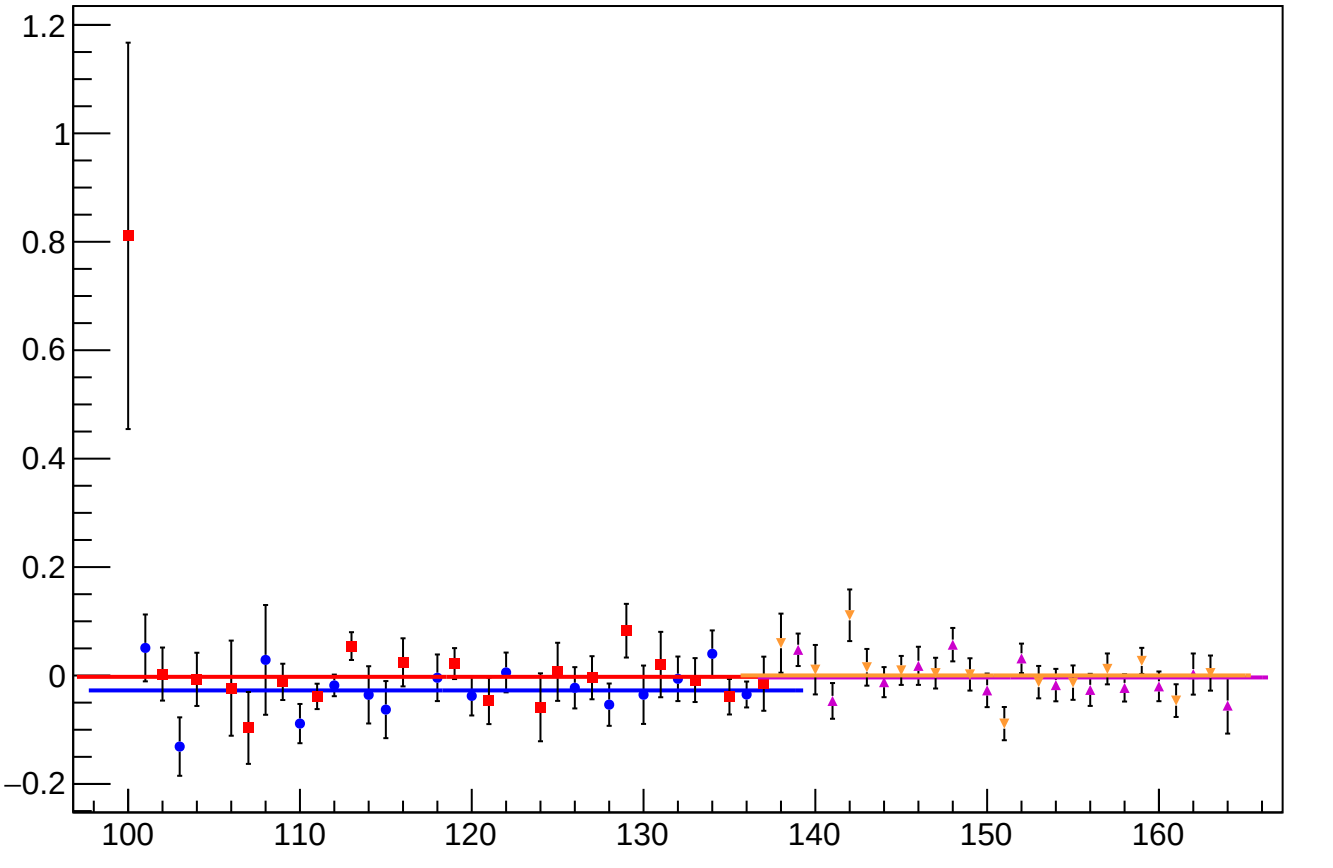
Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4492849.6/12

+ sign 0.001+/-0.000 χ^2/NDF: 6660197.4/29

All: 0.001+/-0.000 χ^2/NDF: 14605058.2/61

- sign 0.001+/-0.000 χ^2/NDF: 7800933.9/31



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

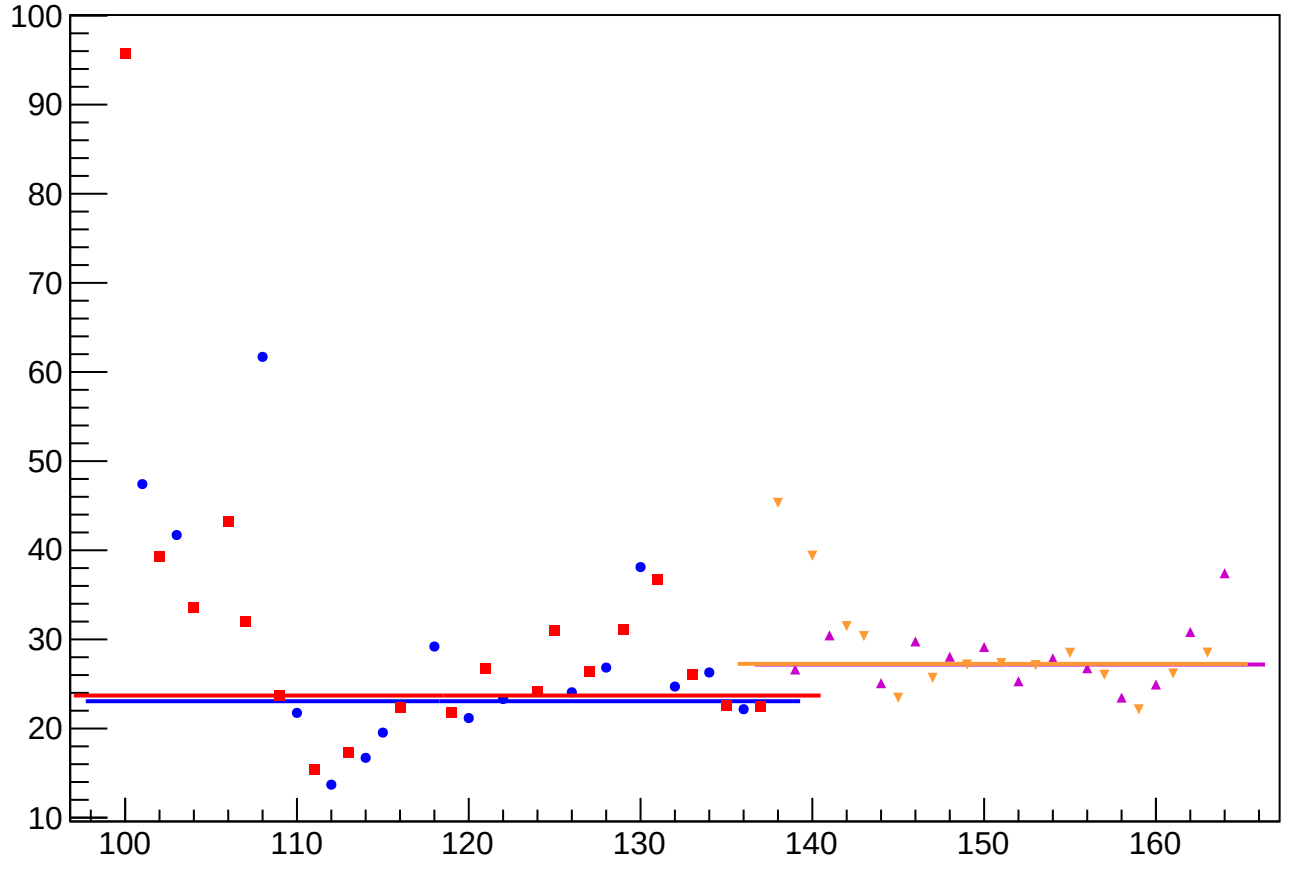
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.008+/-0.004 χ^2/NDF: 75.2/61

- 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: 27.257+/-0.006 χ^2/NDF:543043.5/13

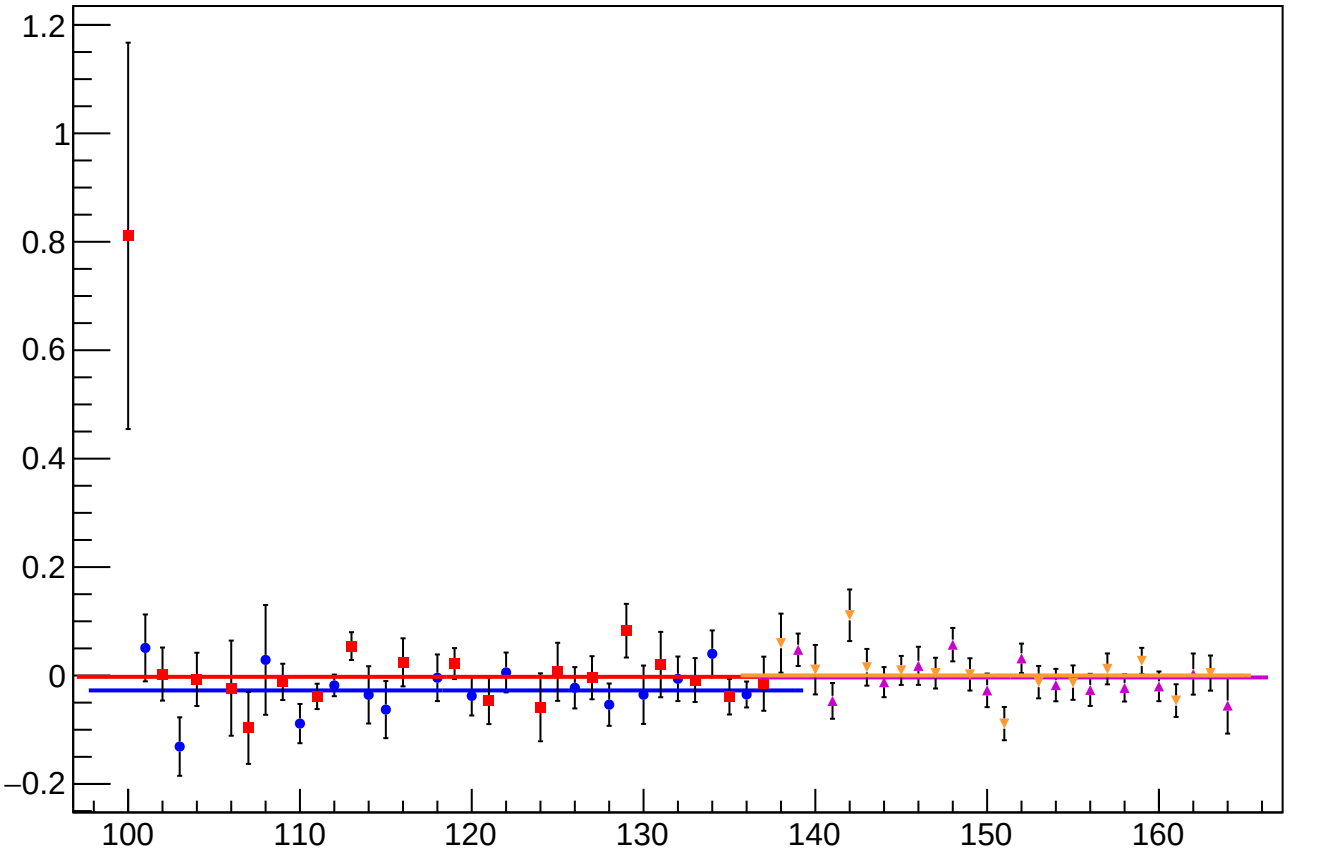
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

+ sign 25.389+/-0.004 χ^2/NDF: 2328251.4/29

All: 25.493+/-0.003 χ^2/NDF: 3788190.5/61

- 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: 0.000+/-0.008 χ^2/NDF:19.6/13

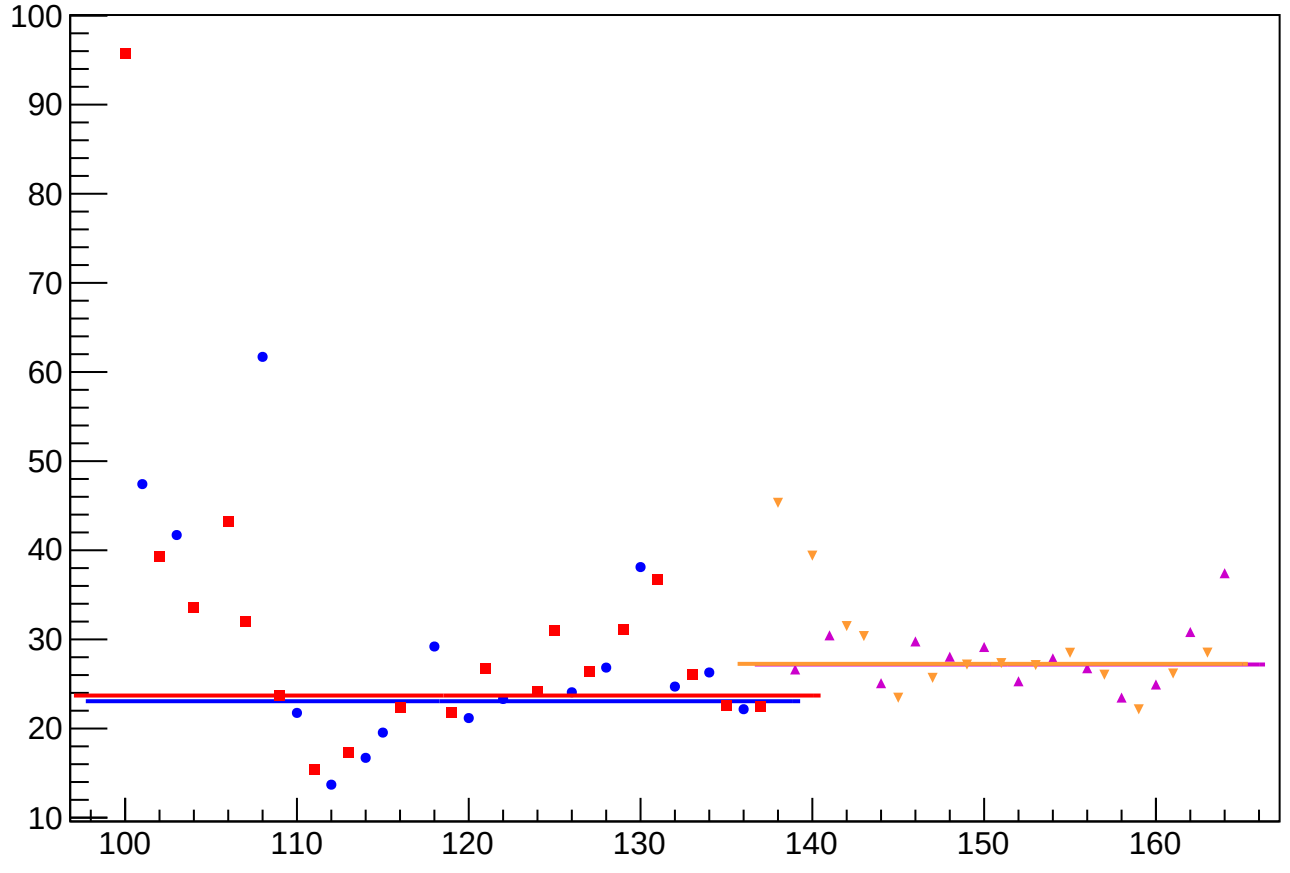
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.008+/-0.004 χ^2/NDF: 75.2/61

- 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: 27.257+/-0.006 χ^2/NDF:543043.5/13

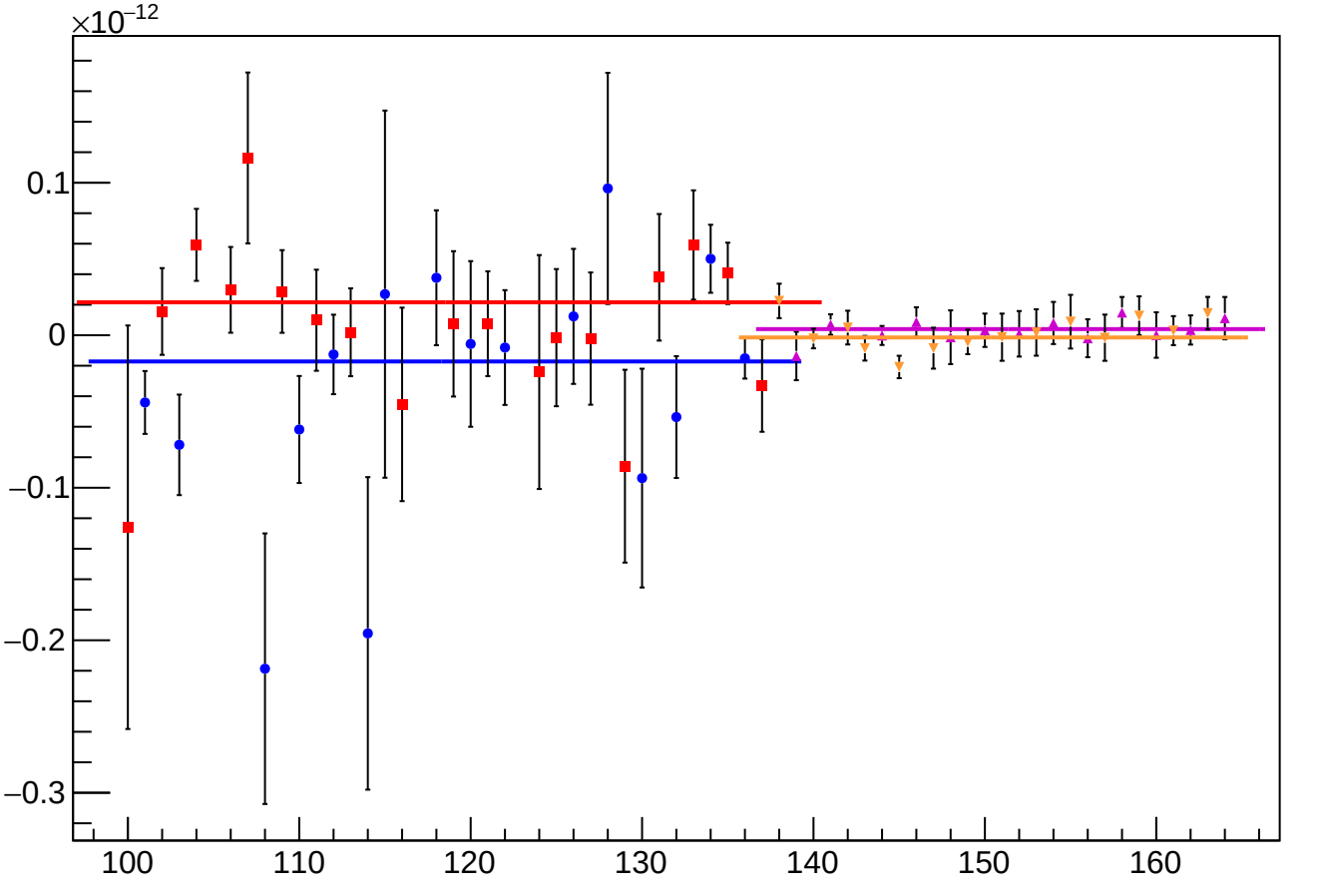
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

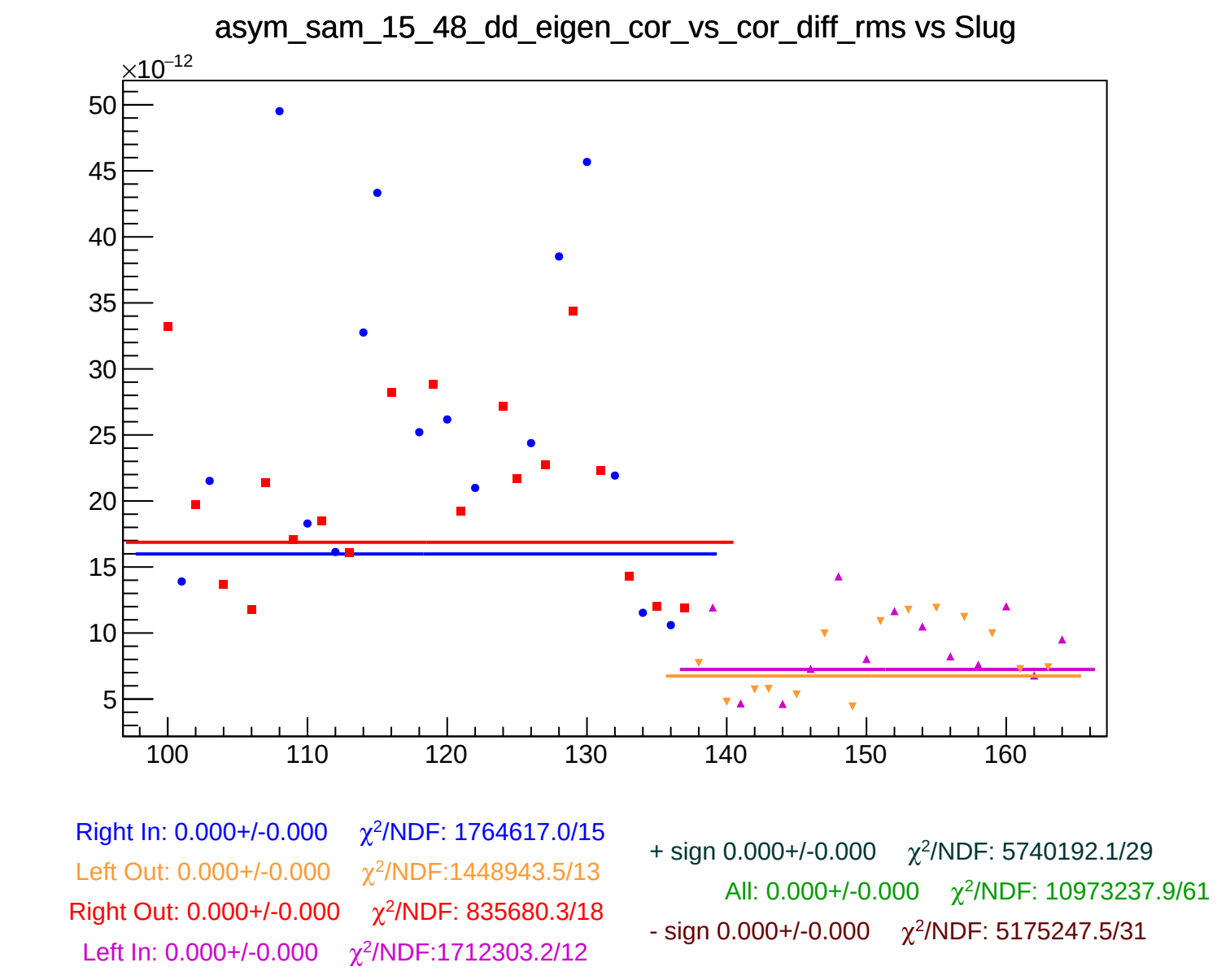
Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

+ sign 25.389+/-0.004 χ^2/NDF: 2328251.4/29

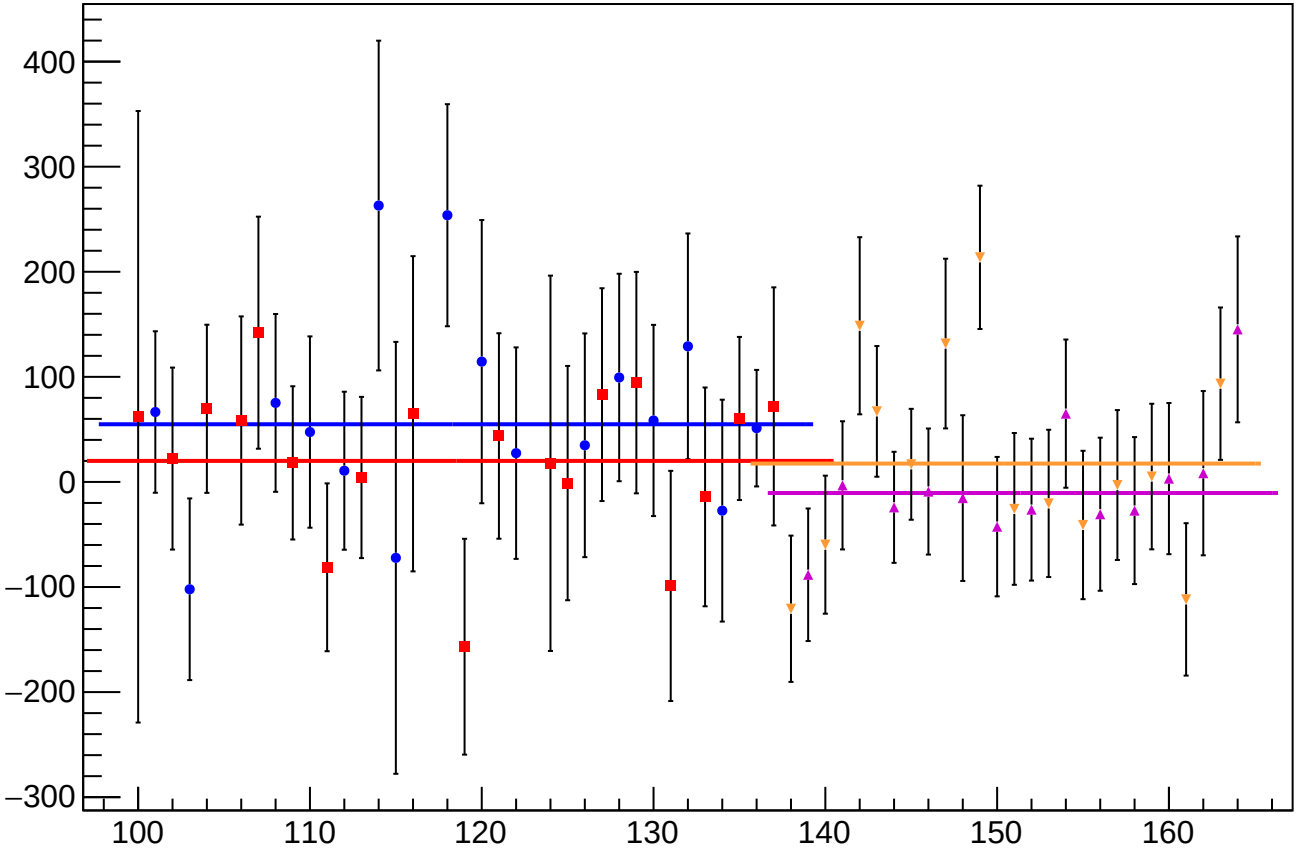
All: 25.493+/-0.003 χ^2/NDF: 3788190.5/61

- sign 25.598+/-0.004 χ^2/NDF: 1458824.5/31


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/18
Left In: 0.000+/-0.000 χ²/NDF:4.0/12
+ sign -0.000+/-0.000 χ²/NDF: 50.6/29
All: 0.000+/-0.000 χ²/NDF: 83.2/61
- sign 0.000+/-0.000 χ²/NDF: 26.4/31


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1448943.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1712303.2/12
+ sign 0.000+/-0.000 χ²/NDF: 5740192.1/29
All: 0.000+/-0.000 χ²/NDF: 10973237.9/61
- sign 0.000+/-0.000 χ²/NDF: 5175247.5/31

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.467+/-18.423 χ^2/NDF:24.4/13

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

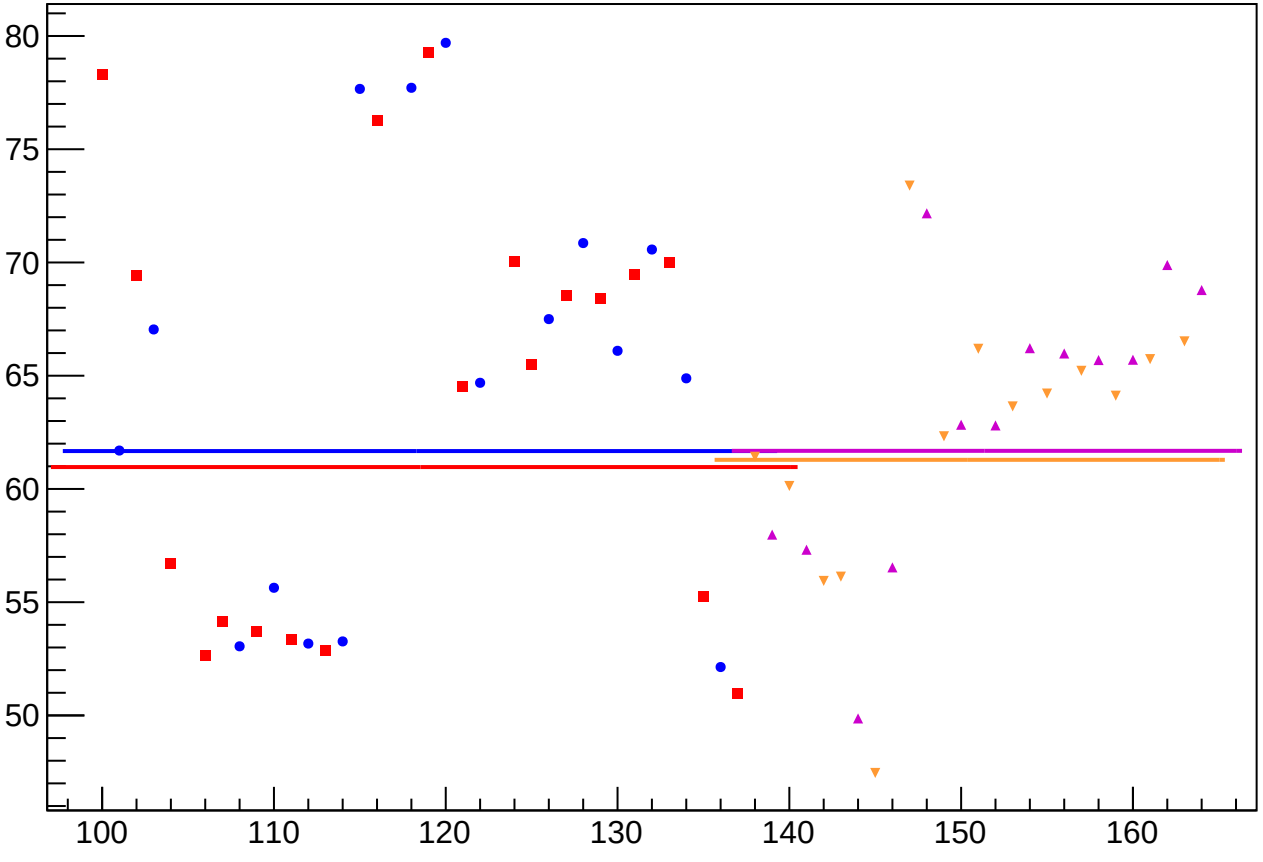
Left In: -10.542+/-18.756 χ^2/NDF:6.4/12

+ sign 31.953+/-14.422 χ^2/NDF: 37.0/29

All: 16.951+/-10.199 χ^2/NDF: 55.9/61

- 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: 61.286+/-0.013 χ^2/NDF:247392.3/13

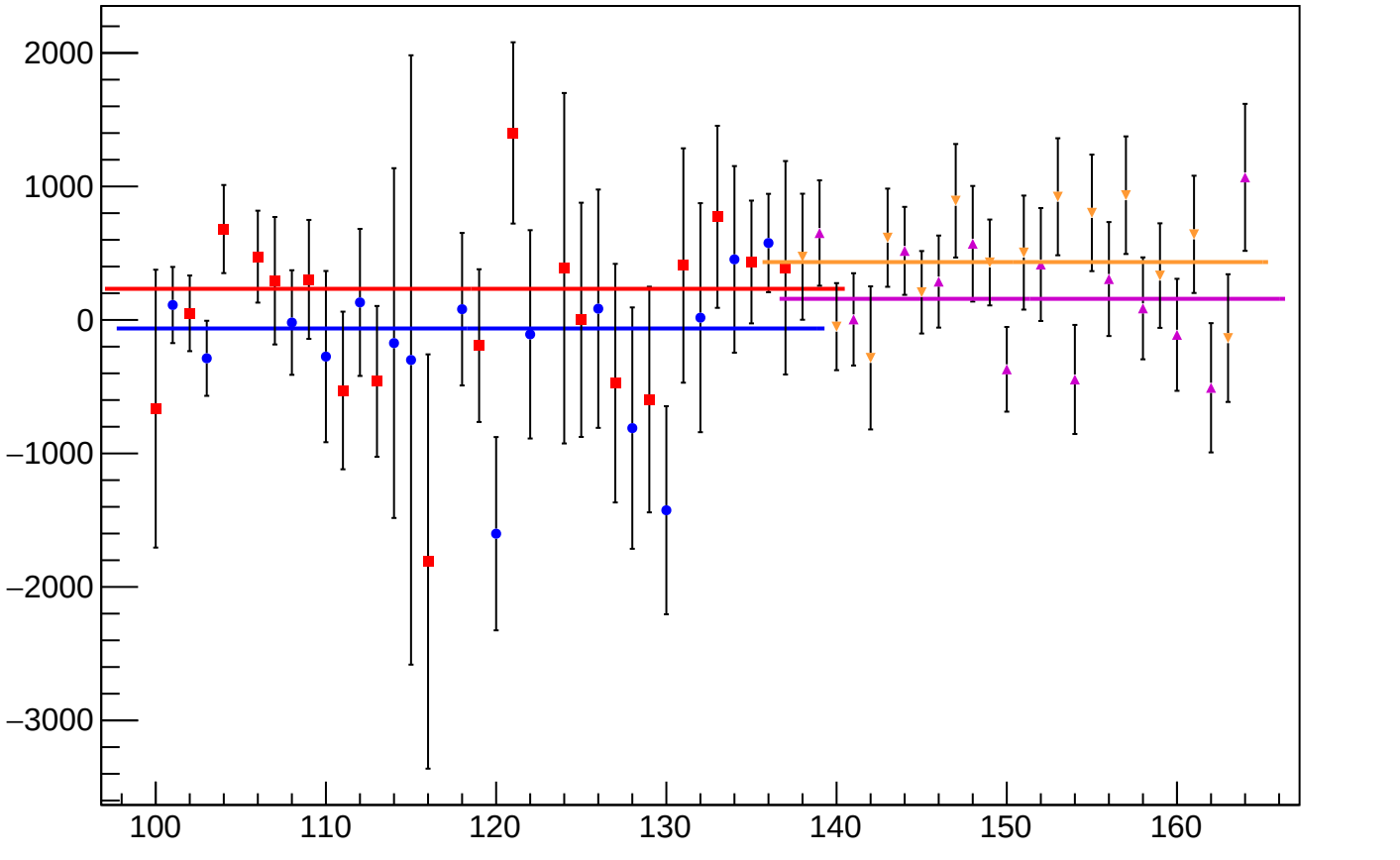
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.436+/-0.010 χ^2/NDF: 514842.0/29

All: 61.413+/-0.007 χ^2/NDF: 1031579.5/61

- 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: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

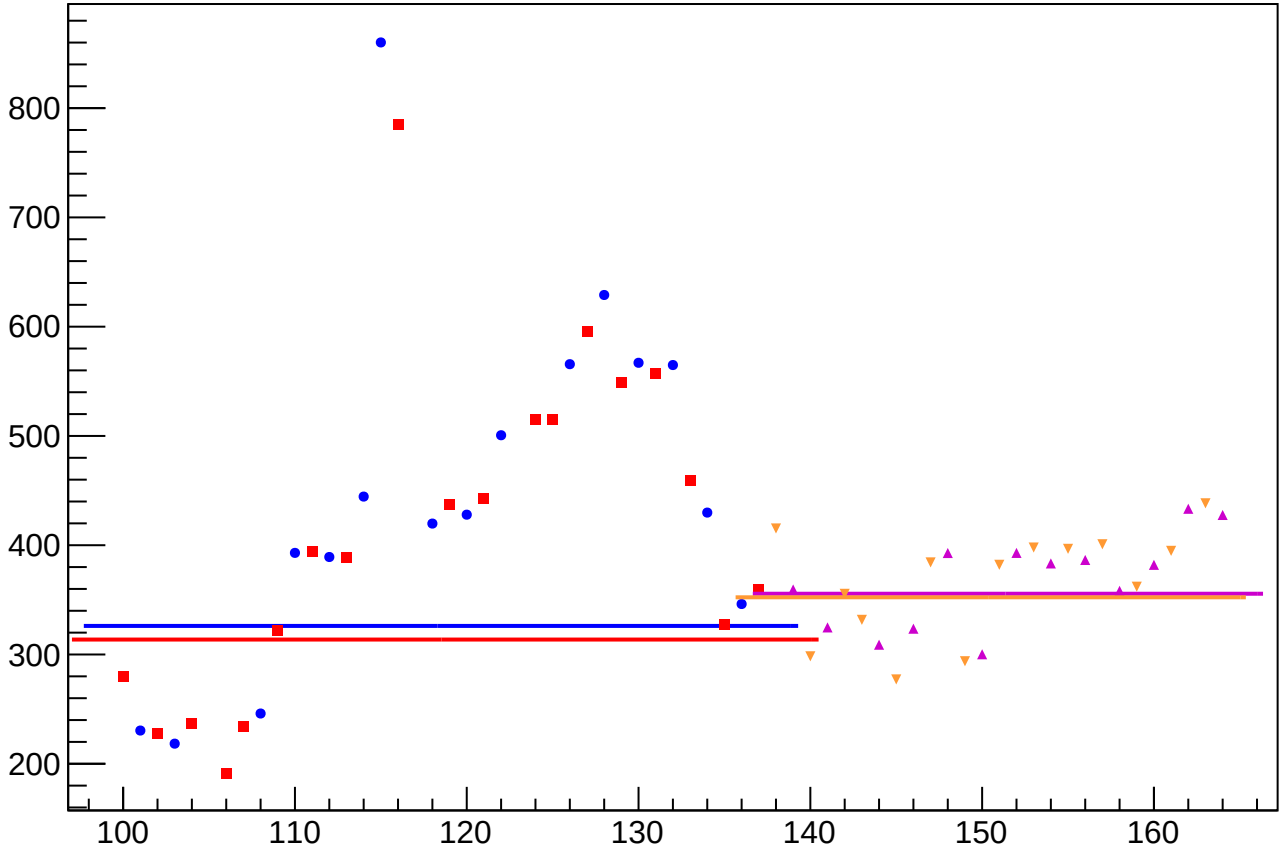
Left In: 158.230+/-108.566 χ^2/NDF:14.5/12

+ sign 232.472+/-82.456 χ^2/NDF: 32.9/29

All: 211.516+/-57.905 χ^2/NDF: 62.3/61

- 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: 352.329+/-0.076 χ^2/NDF:453574.9/13

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

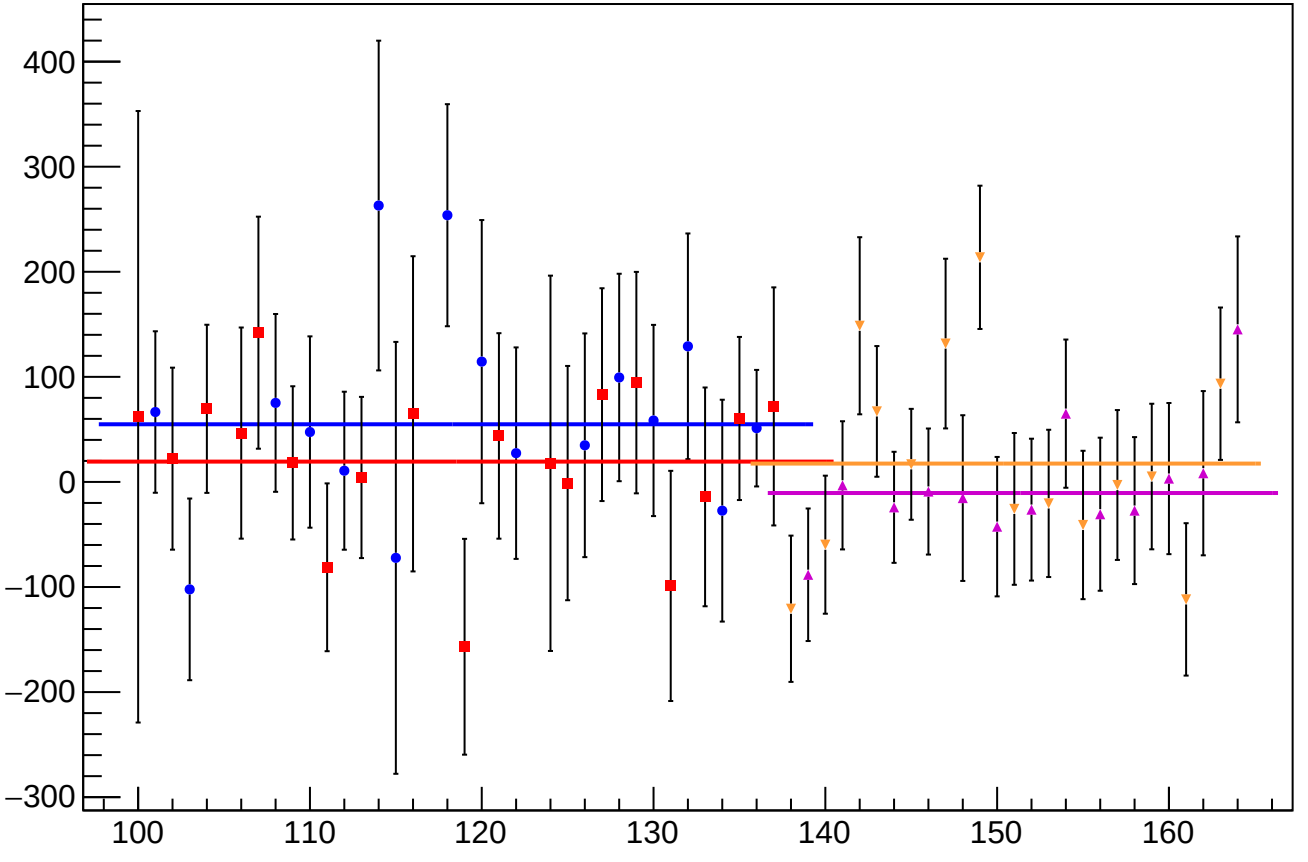
Left In: 355.600+/-0.077 χ^2/NDF:278403.2/12

+ sign 341.743+/-0.058 χ^2/NDF: 2236135.5/29

All: 339.443+/-0.041 χ^2/NDF: 4435836.1/61

- 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: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

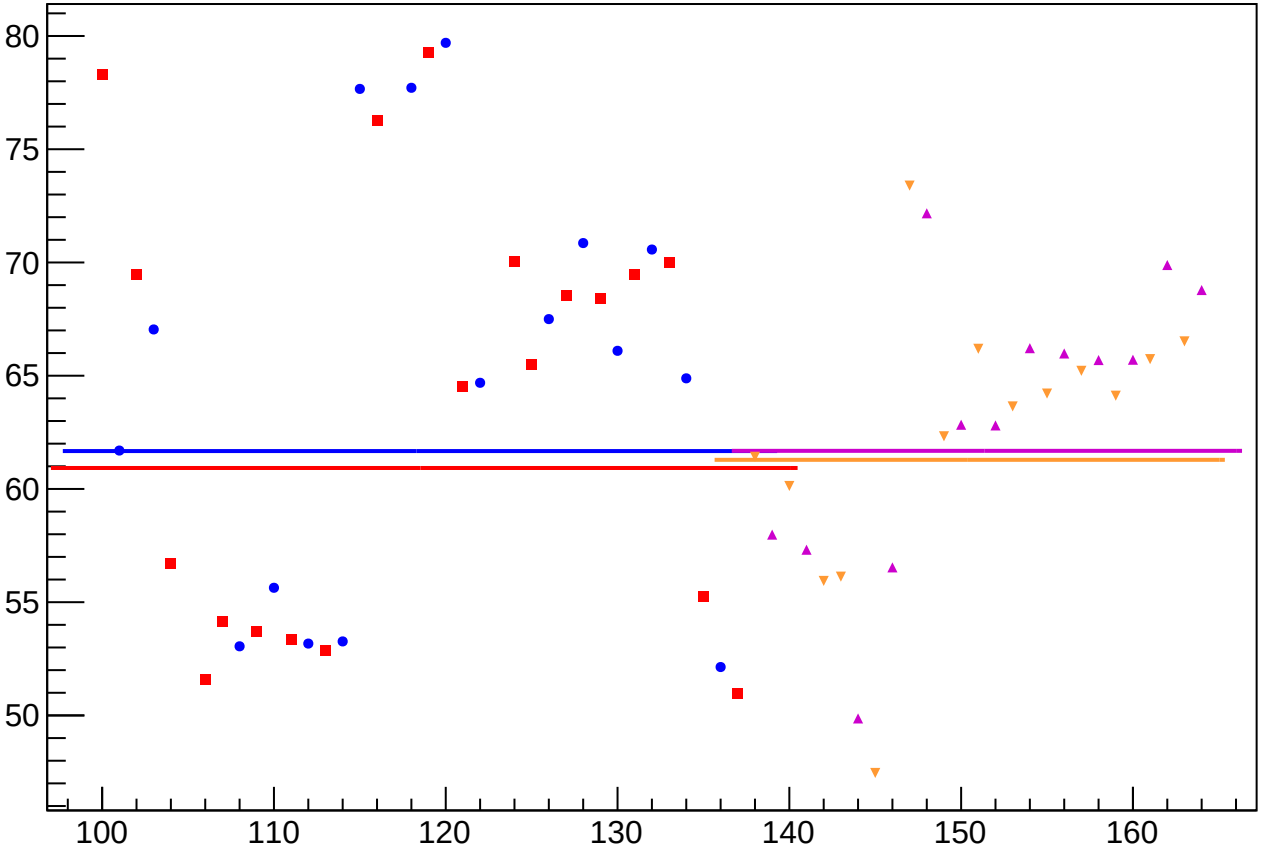
Left In: -10.541+/-18.756 χ^2/NDF:6.4/12

+ sign 31.950+/-14.422 χ^2/NDF: 37.0/29

All: 16.812+/-10.201 χ^2/NDF: 55.8/61

- 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: 61.286+/-0.013 χ^2/NDF:247392.3/13

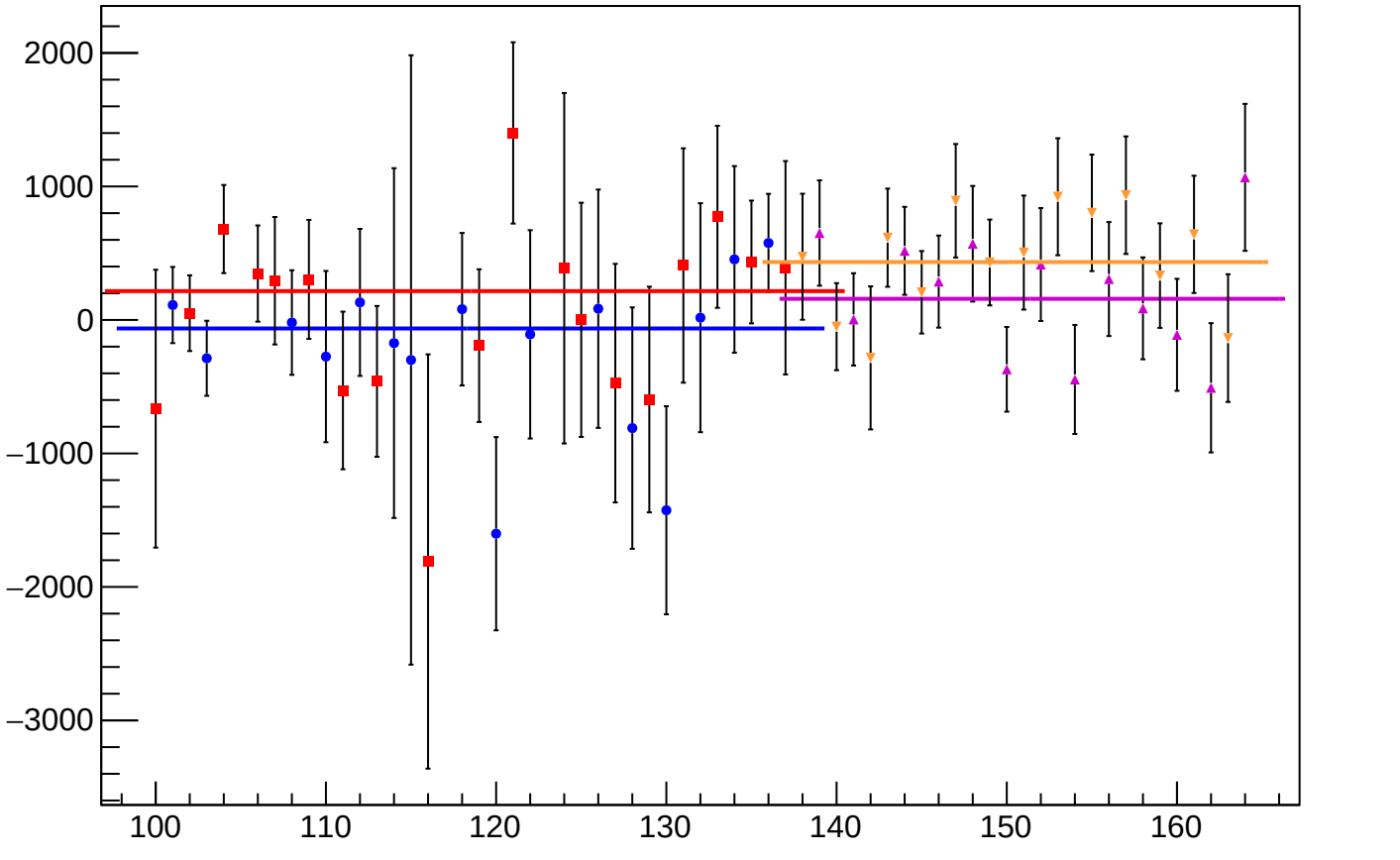
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.436+/-0.010 χ^2/NDF: 514842.2/29

All: 61.405+/-0.007 χ^2/NDF: 1035123.0/61

- 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: 433.599+/-106.836 χ^2/NDF:10.9/13

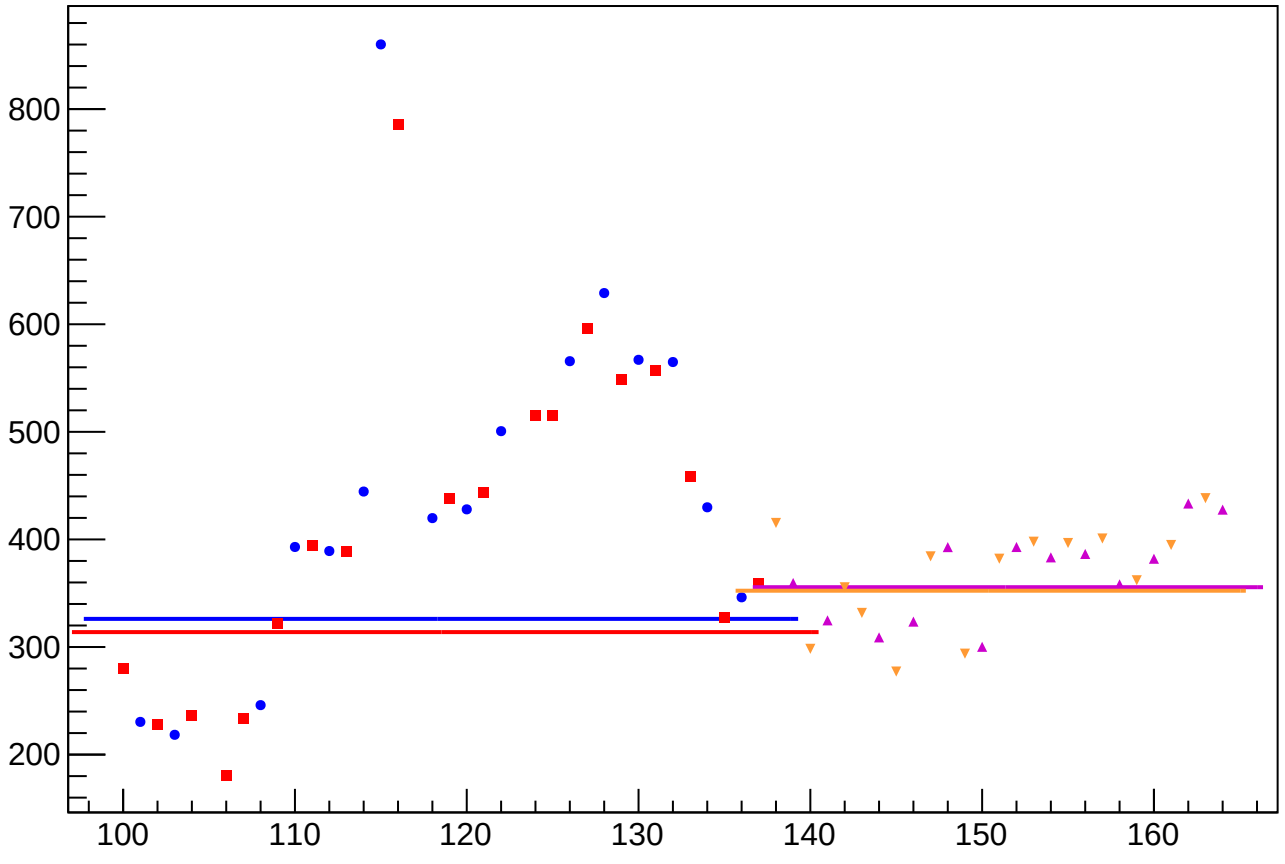
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 158.229+/-108.566 χ^2/NDF:14.5/12

+ sign 232.479+/-82.456 χ^2/NDF: 32.9/29

All: 207.652+/-57.978 χ^2/NDF: 61.8/61

- sign 183.375+/-81.537 χ^2/NDF: 28.7/31



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

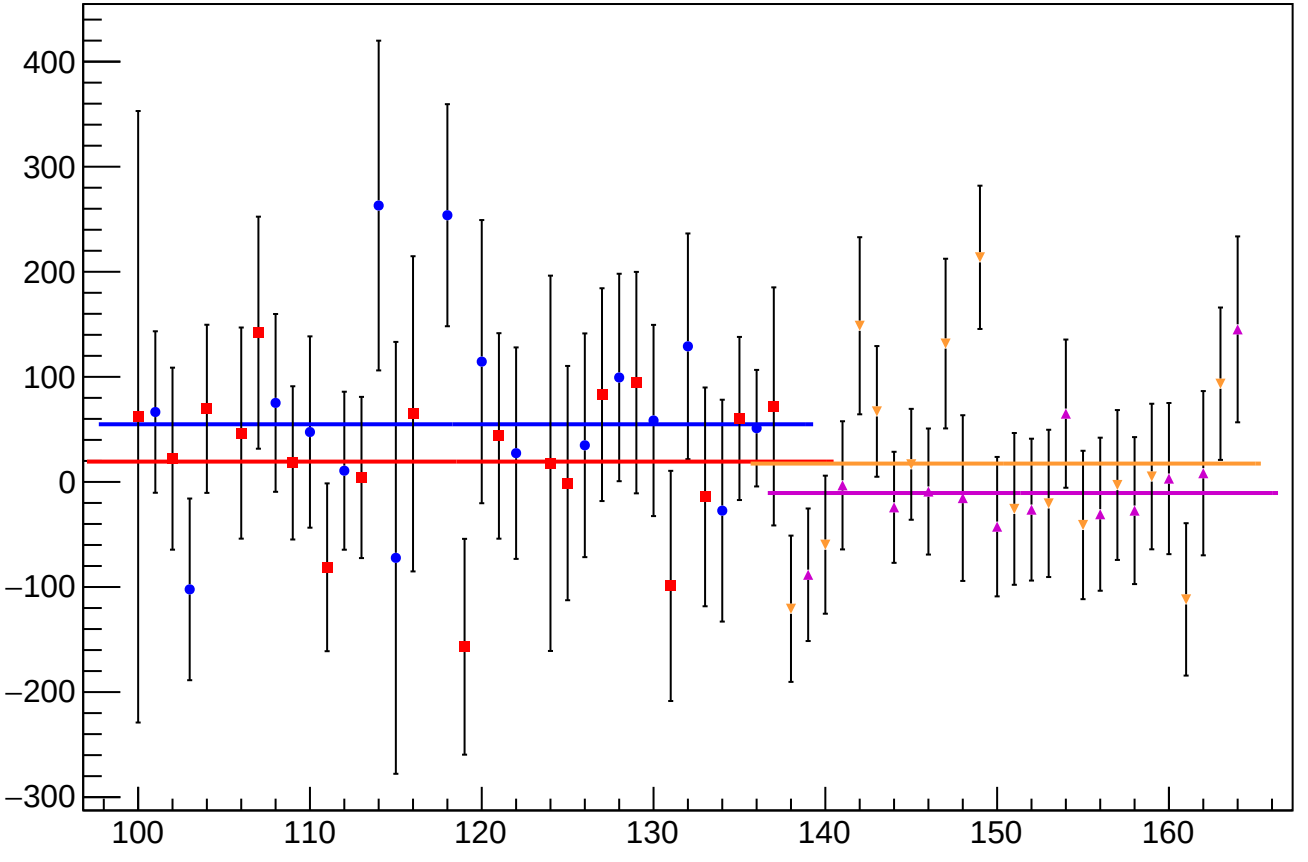
Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

+ sign 341.744+/-0.058 χ^2/NDF: 2236063.0/29

All: 339.550+/-0.041 χ^2/NDF: 4451923.7/61

- 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: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

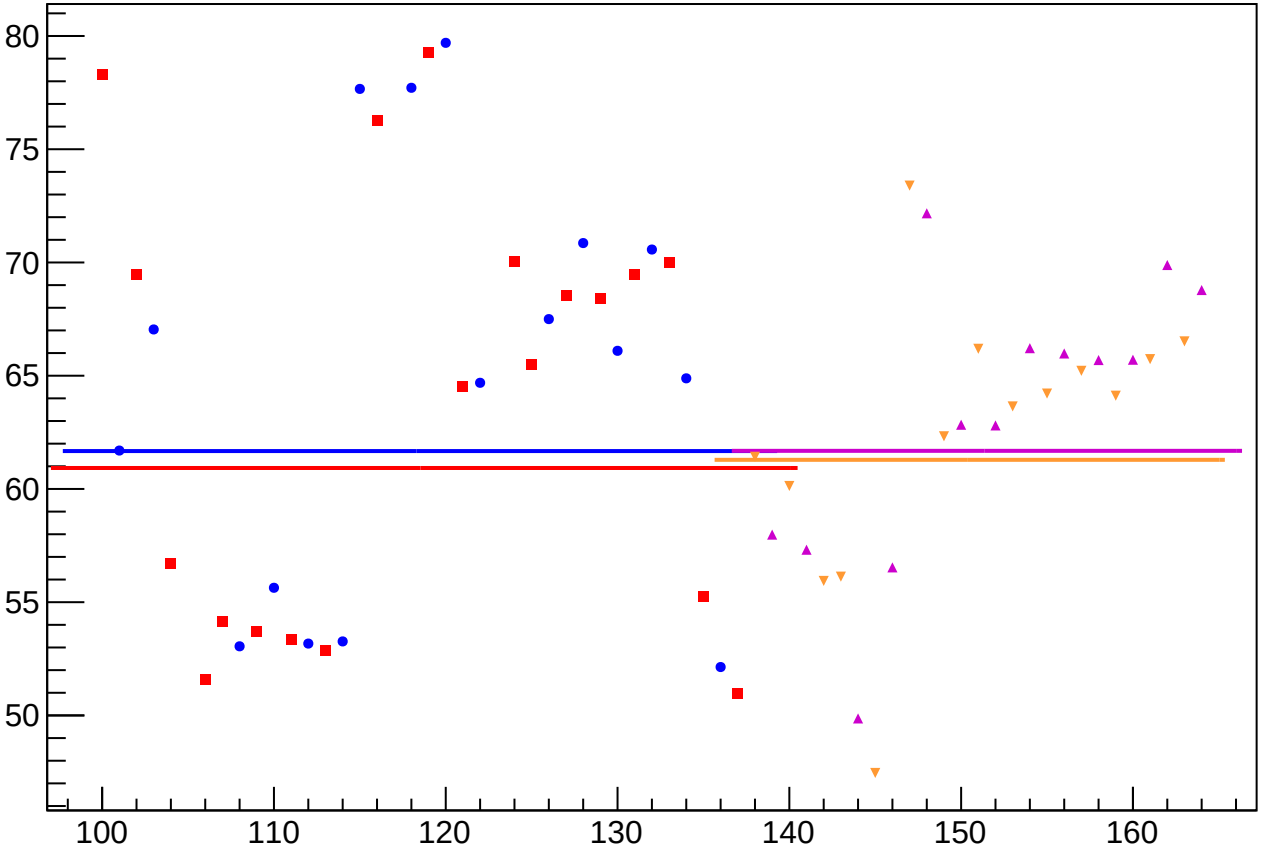
Left In: -10.541+/-18.756 χ^2/NDF:6.4/12

+ sign 31.950+/-14.422 χ^2/NDF: 37.0/29

All: 16.812+/-10.201 χ^2/NDF: 55.8/61

- 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: 61.286+/-0.013 χ^2/NDF:247392.3/13

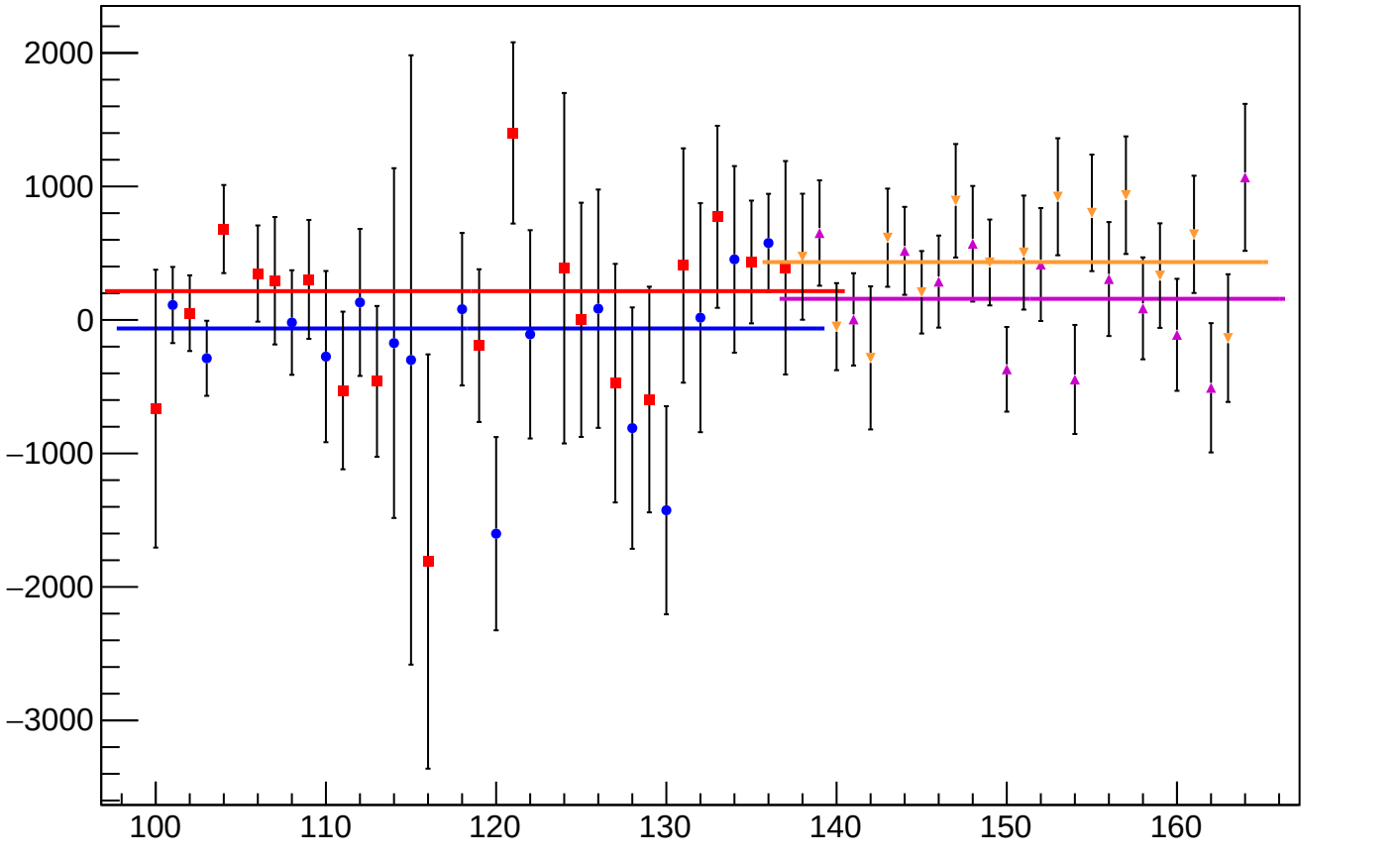
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.436+/-0.010 χ^2/NDF: 514842.2/29

All: 61.405+/-0.007 χ^2/NDF: 1035123.0/61

- 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: 433.599+/-106.836 χ^2/NDF:10.9/13

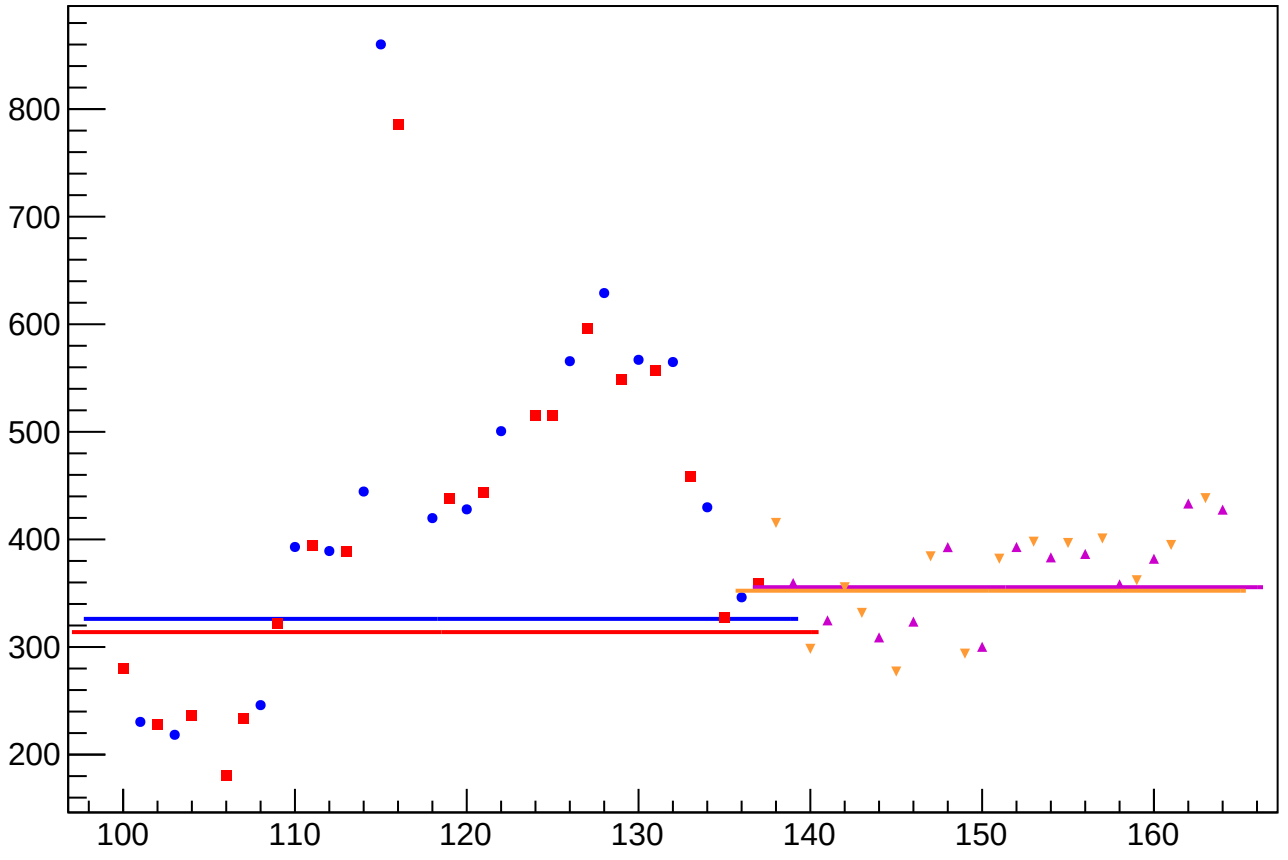
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 158.229+/-108.566 χ^2/NDF:14.5/12

+ sign 232.479+/-82.456 χ^2/NDF: 32.9/29

All: 207.652+/-57.978 χ^2/NDF: 61.8/61

- sign 183.375+/-81.537 χ^2/NDF: 28.7/31



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

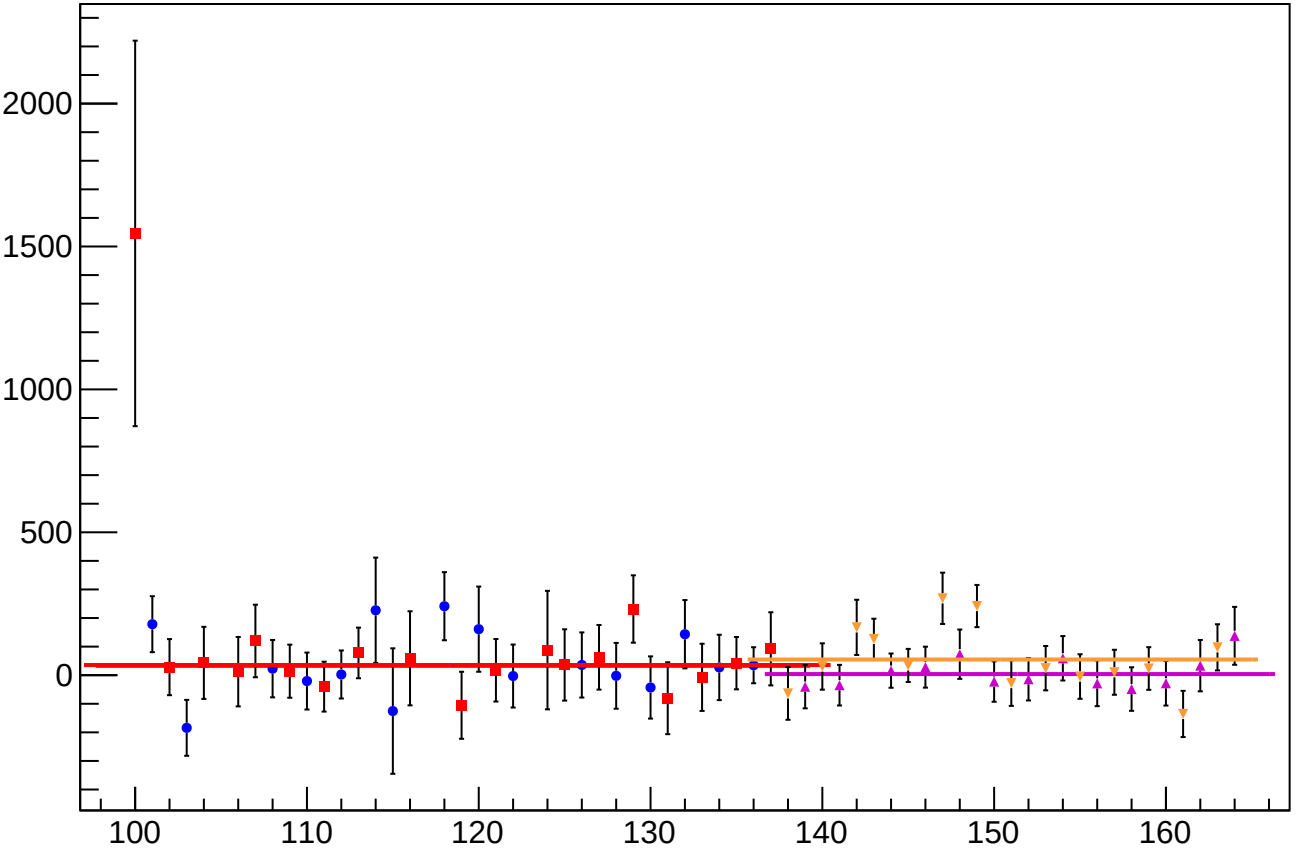
Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

+ sign 341.744+/-0.058 χ^2/NDF: 2236063.0/29

All: 339.550+/-0.041 χ^2/NDF: 4451923.7/61

- 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: 54.891+/-20.772 χ^2/NDF:24.5/13

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

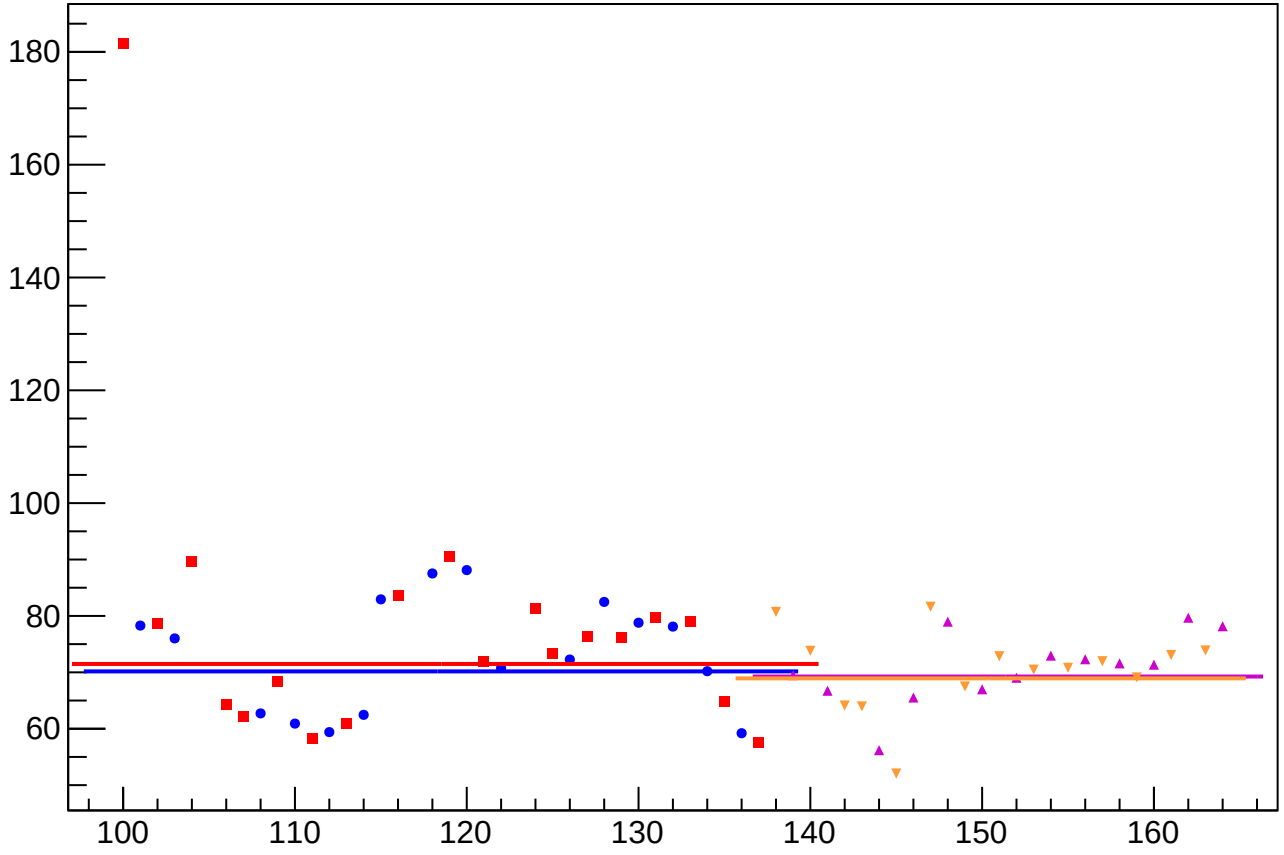
Left In: 3.947+/-21.126 χ^2/NDF:4.8/12

+ sign 46.678+/-16.328 χ^2/NDF: 39.5/29

All: 31.633+/-11.616 χ^2/NDF: 59.0/61

- 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: 68.932+/-0.015 χ^2/NDF:288006.1/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

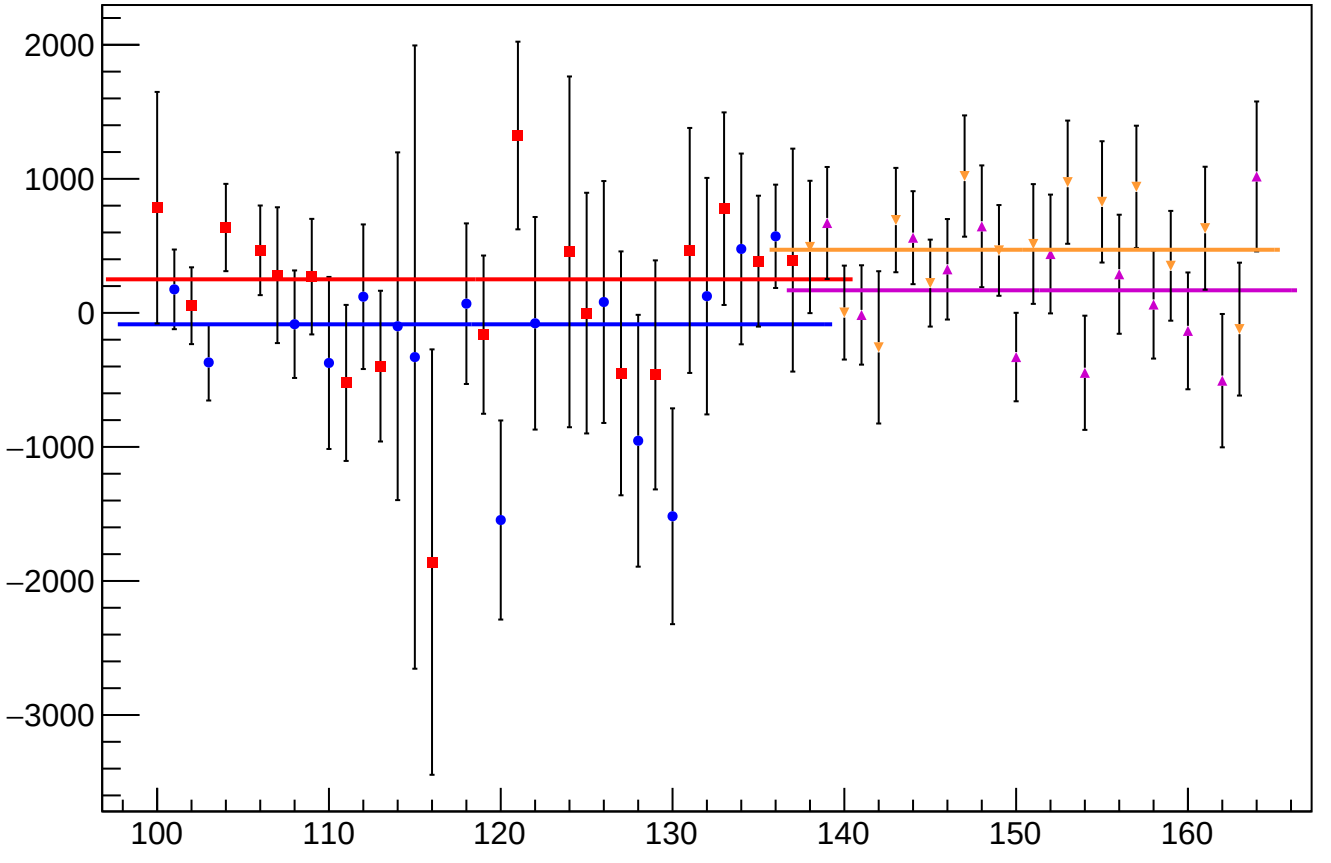
Left In: 69.255+/-0.015 χ^2/NDF:183702.6/12

+ sign 69.404+/-0.012 χ^2/NDF: 559960.4/29

All: 69.757+/-0.008 χ^2/NDF: 1079904.6/61

- 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: 470.963+/-112.309 χ^2/NDF:10.4/13

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

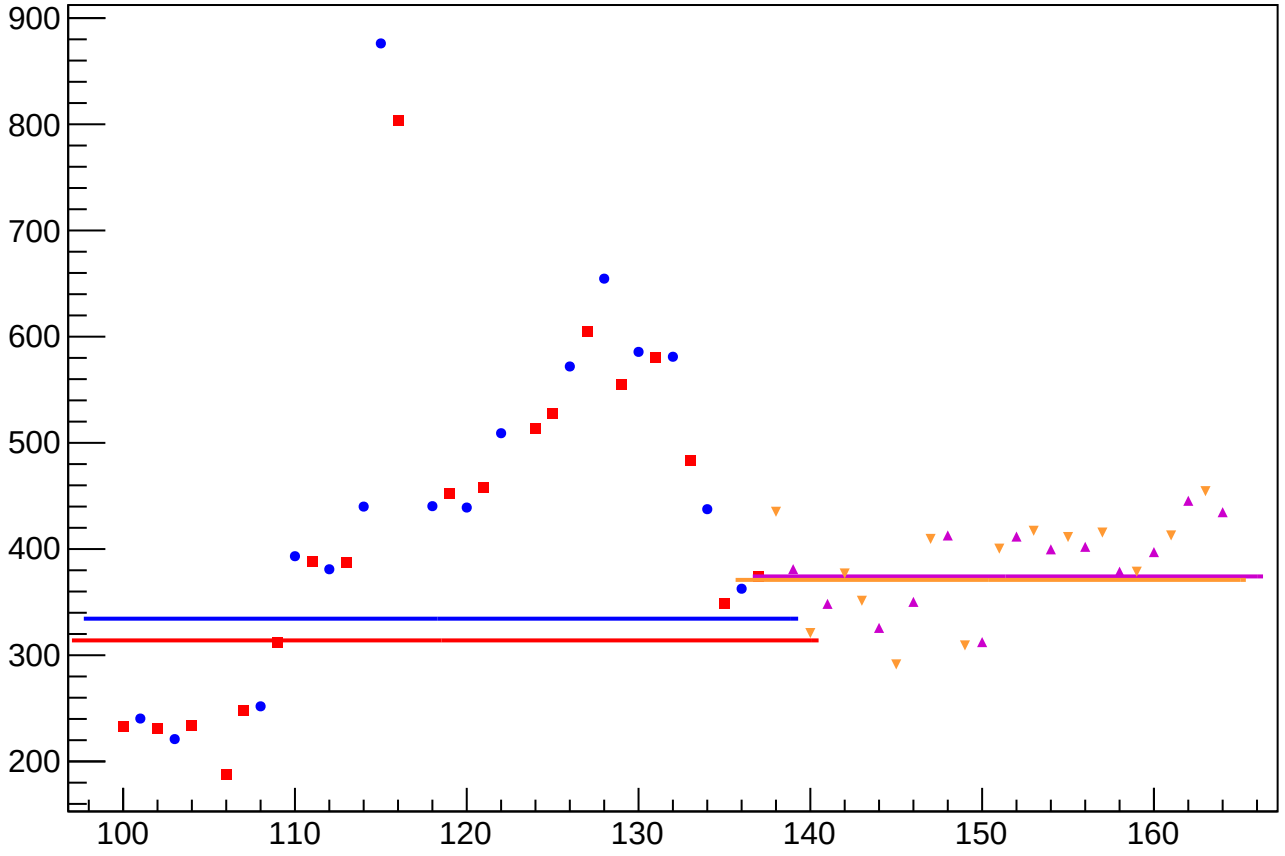
Left In: 168.479+/-114.131 χ^2/NDF:13.8/12

+ sign 239.217+/-85.775 χ^2/NDF: 34.3/29

All: 222.366+/-59.926 χ^2/NDF: 60.8/61

- 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: 370.957+/-0.079 χ^2/NDF:419428.8/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

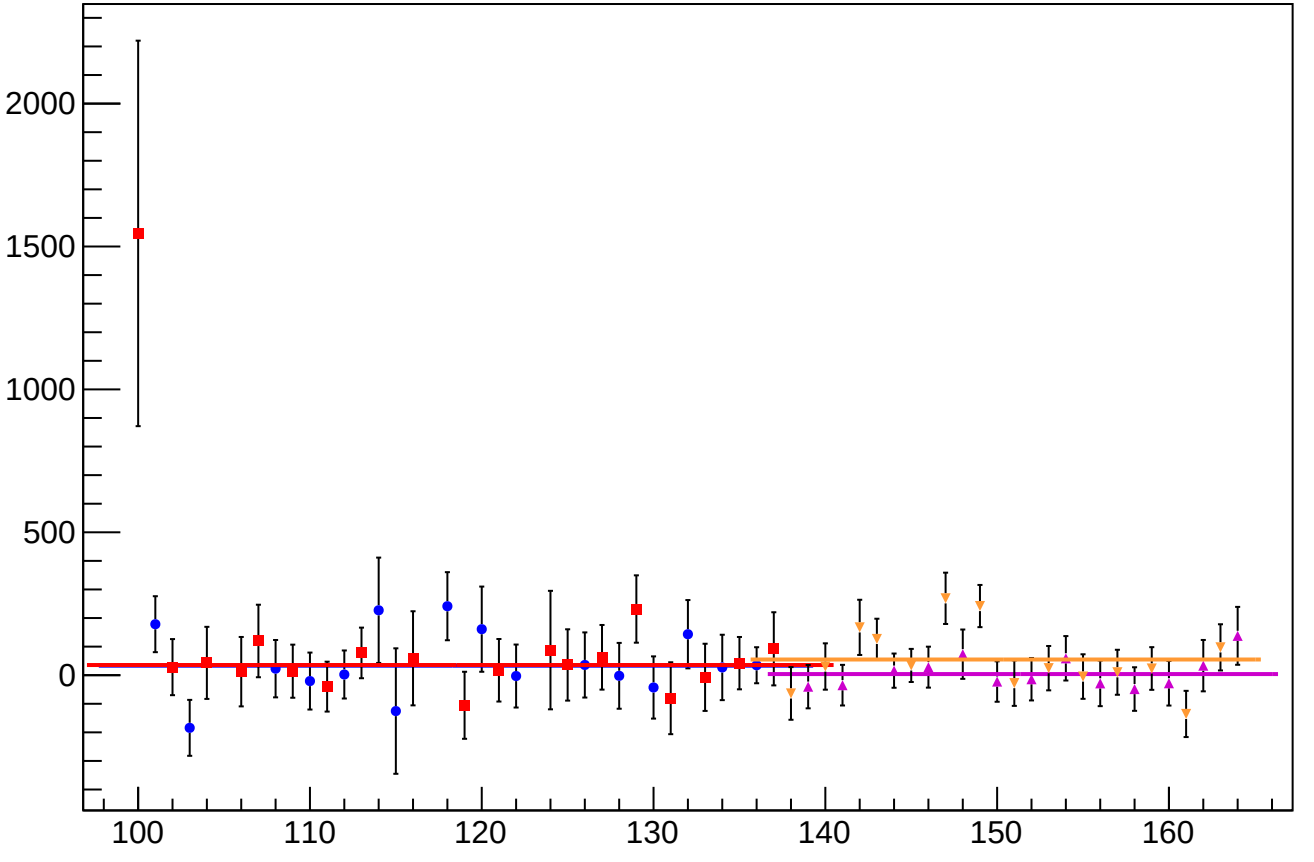
Left In: 374.217+/-0.081 χ^2/NDF:241666.3/12

+ sign 355.736+/-0.061 χ^2/NDF: 2238189.2/29

All: 350.966+/-0.042 χ^2/NDF: 4653694.8/61

- 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: 54.890+/-20.772 χ^2/NDF:24.5/13

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

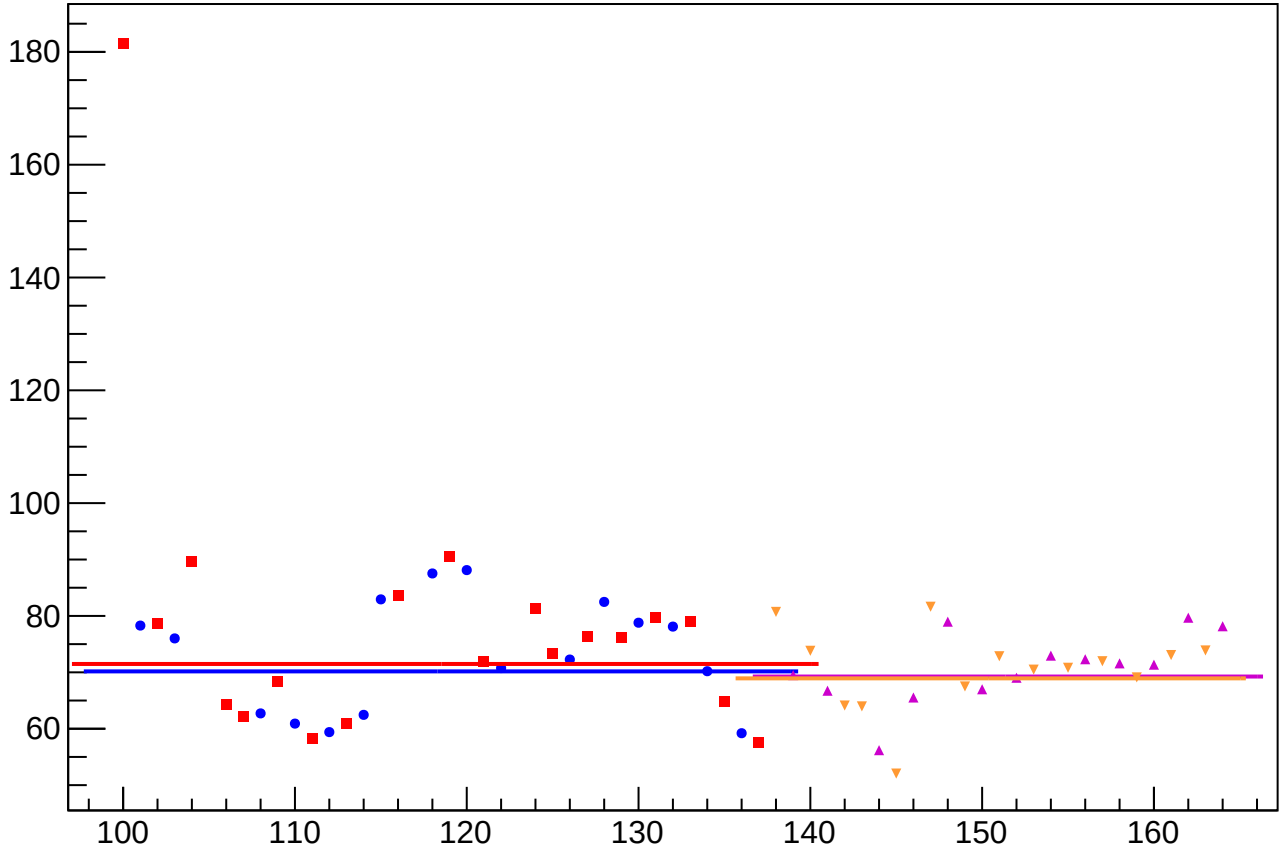
Left In: 3.947+/-21.126 χ^2/NDF:4.8/12

+ sign 46.678+/-16.328 χ^2/NDF: 39.5/29

All: 31.633+/-11.616 χ^2/NDF: 59.0/61

- 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: 68.932+/-0.015 χ^2/NDF:288010.8/13

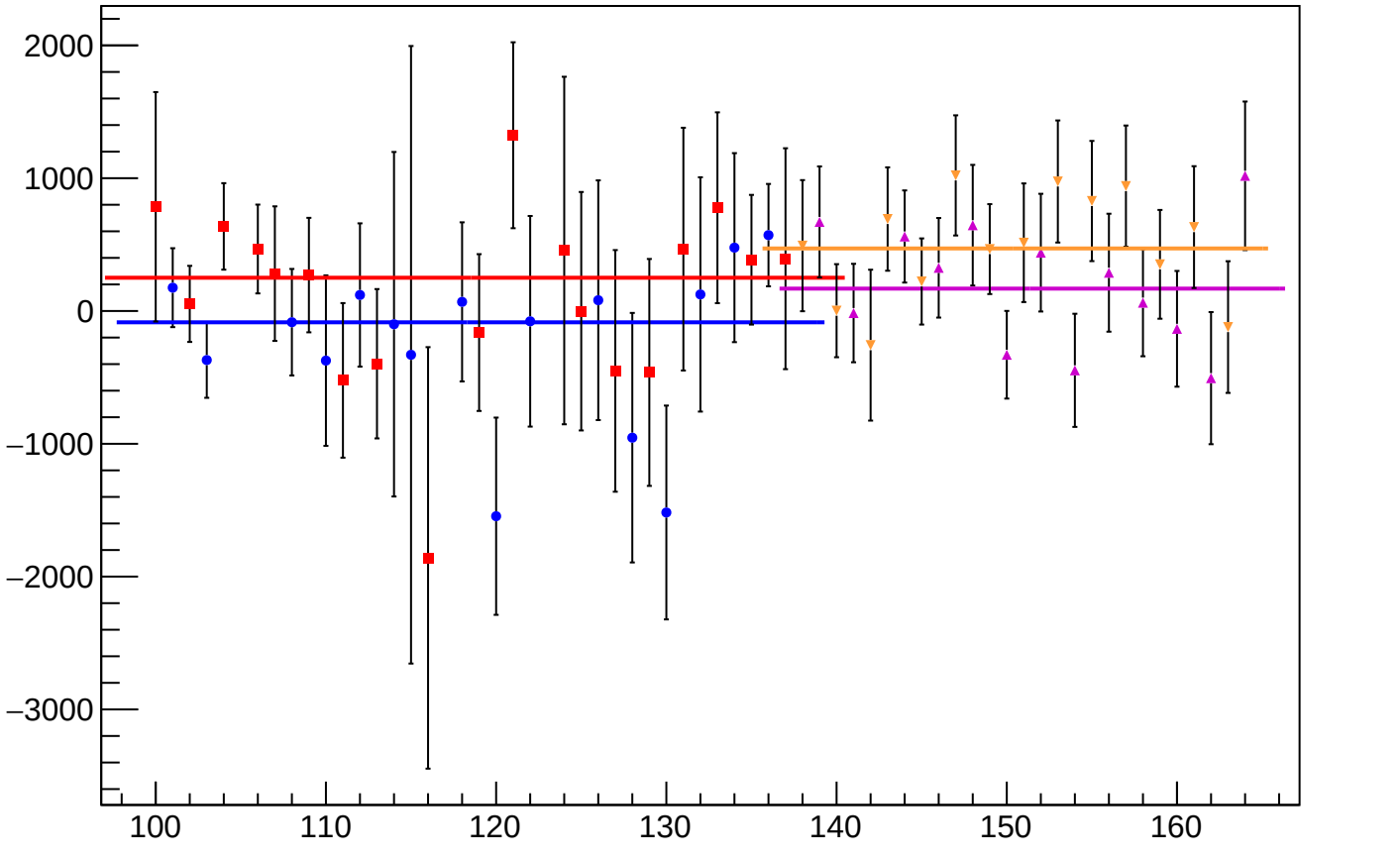
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.255+/-0.015 χ^2/NDF:183704.7/12

+ sign 69.404+/-0.012 χ^2/NDF: 559968.8/29

All: 69.757+/-0.008 χ^2/NDF: 1079922.3/61

- 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: 470.962+/-112.309 χ^2/NDF:10.4/13

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

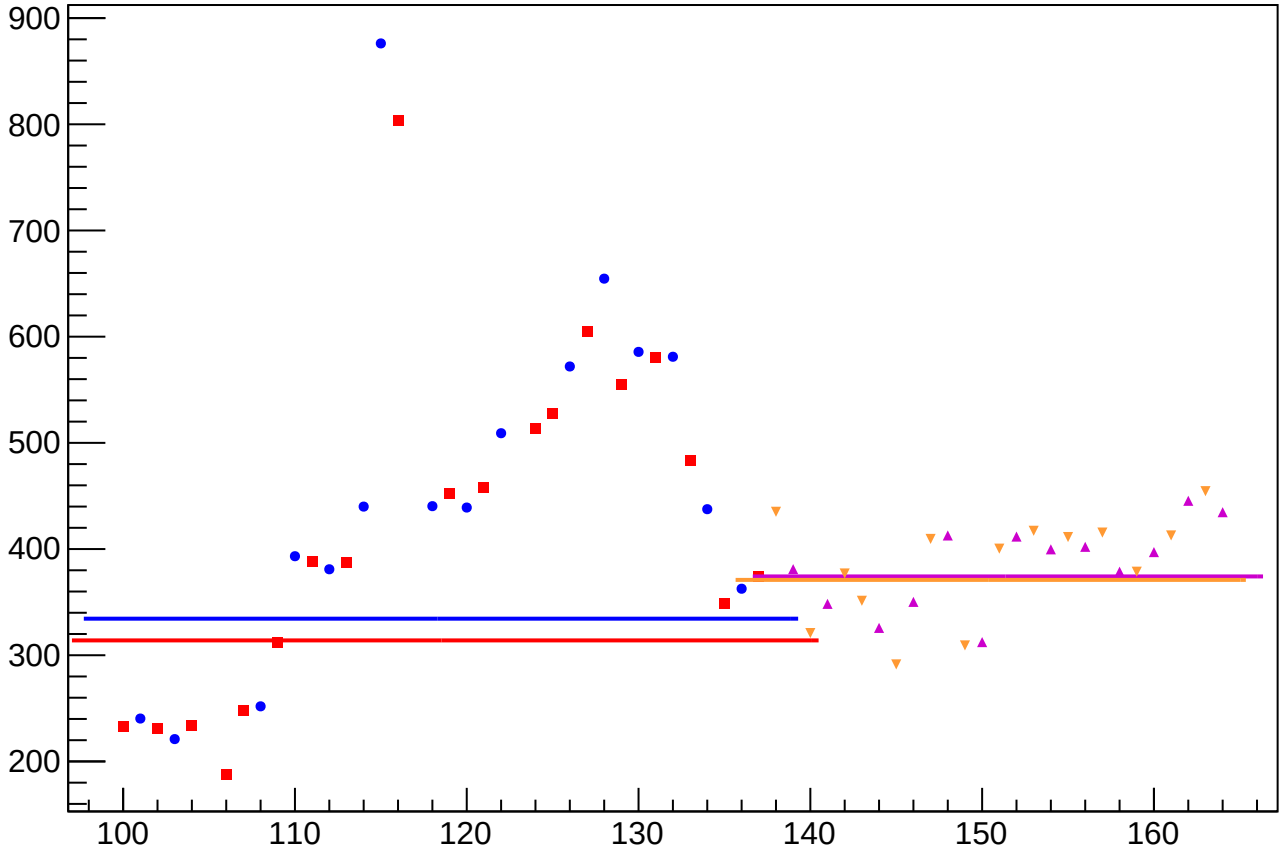
Left In: 168.479+/-114.131 χ^2/NDF:13.8/12

+ sign 239.217+/-85.775 χ^2/NDF: 34.3/29

All: 222.366+/-59.926 χ^2/NDF: 60.8/61

- 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: 370.956+/-0.079 χ^2/NDF:419432.2/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

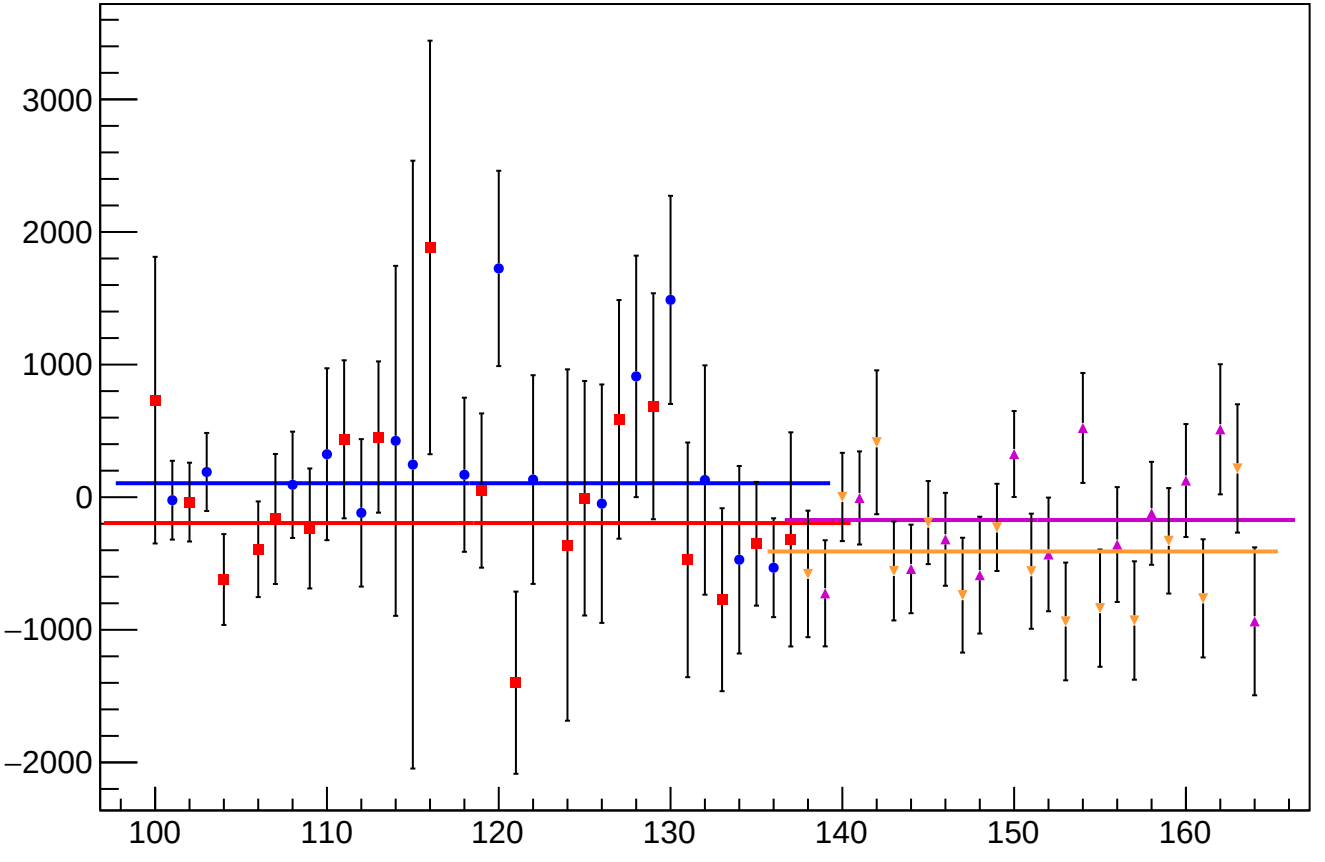
Left In: 374.217+/-0.081 χ^2/NDF:241666.1/12

+ sign 355.736+/-0.061 χ^2/NDF: 2238189.8/29

All: 350.966+/-0.042 χ^2/NDF: 4653693.8/61

- 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: -409.468+/-108.528 χ^2/NDF:11.6/13

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

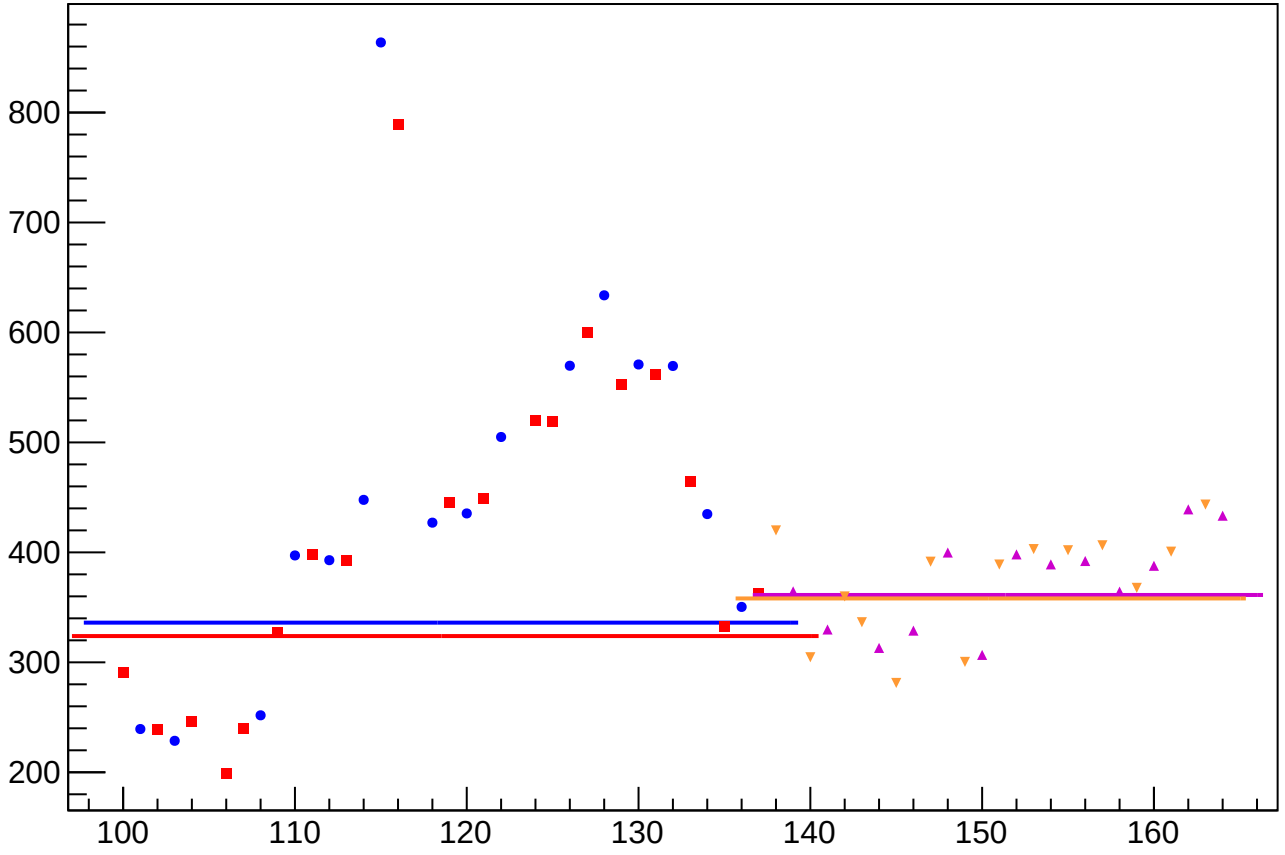
Left In: -172.084+/-110.258 χ^2/NDF:14.5/12

\+ sign -203.761+/-84.097 χ^2/NDF: 33.6/29

All: -192.681+/-59.085 χ^2/NDF: 61.2/61

\- 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: 358.094+/-0.077 χ^2/NDF:441014.8/13

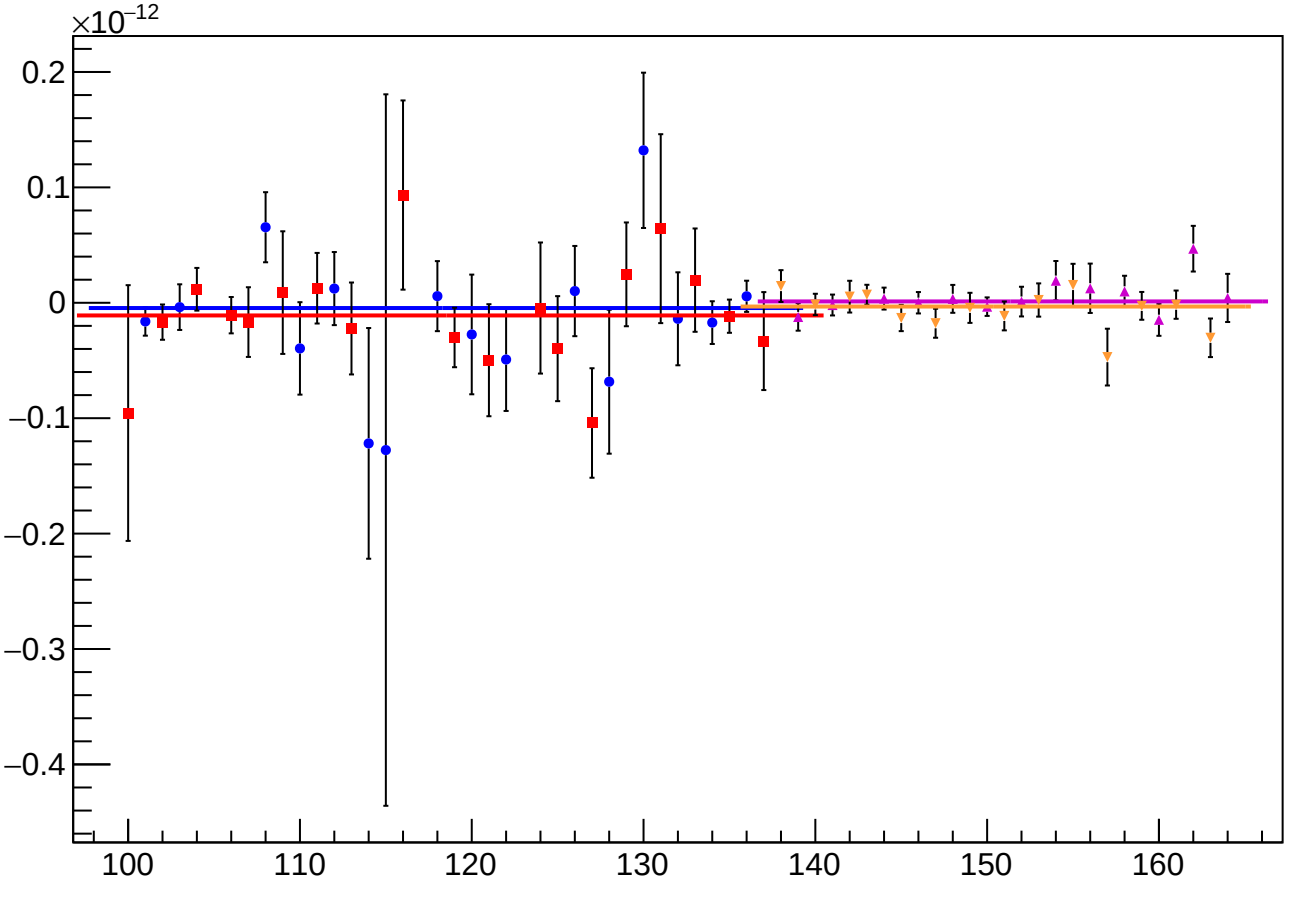
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.255+/-0.078 χ^2/NDF:272418.9/12

+ sign 349.303+/-0.059 χ^2/NDF: 2092855.2/29

All: 347.164+/-0.042 χ^2/NDF: 4132706.5/61

- 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:13.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

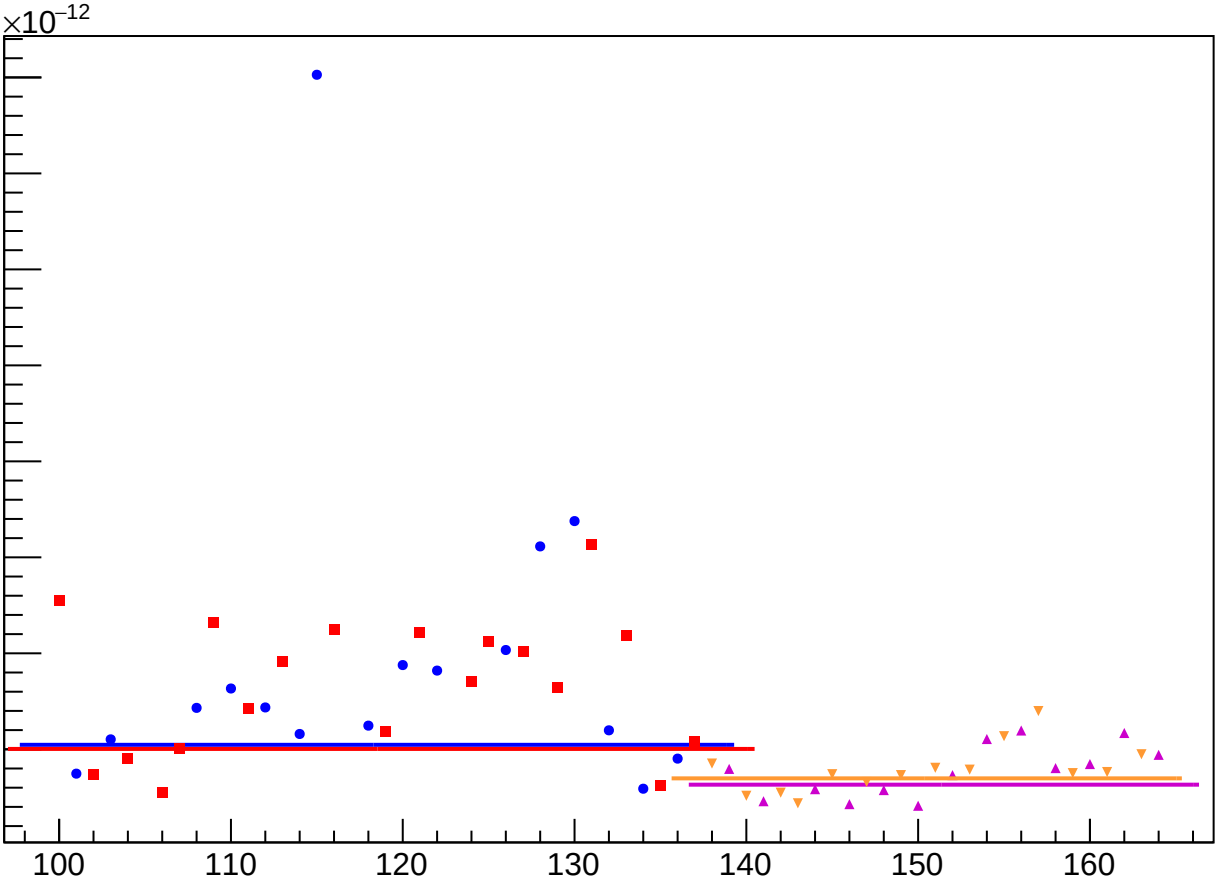
Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

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

All: -0.000+/-0.000 χ^2/NDF: 55.3/61

- 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:669984.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

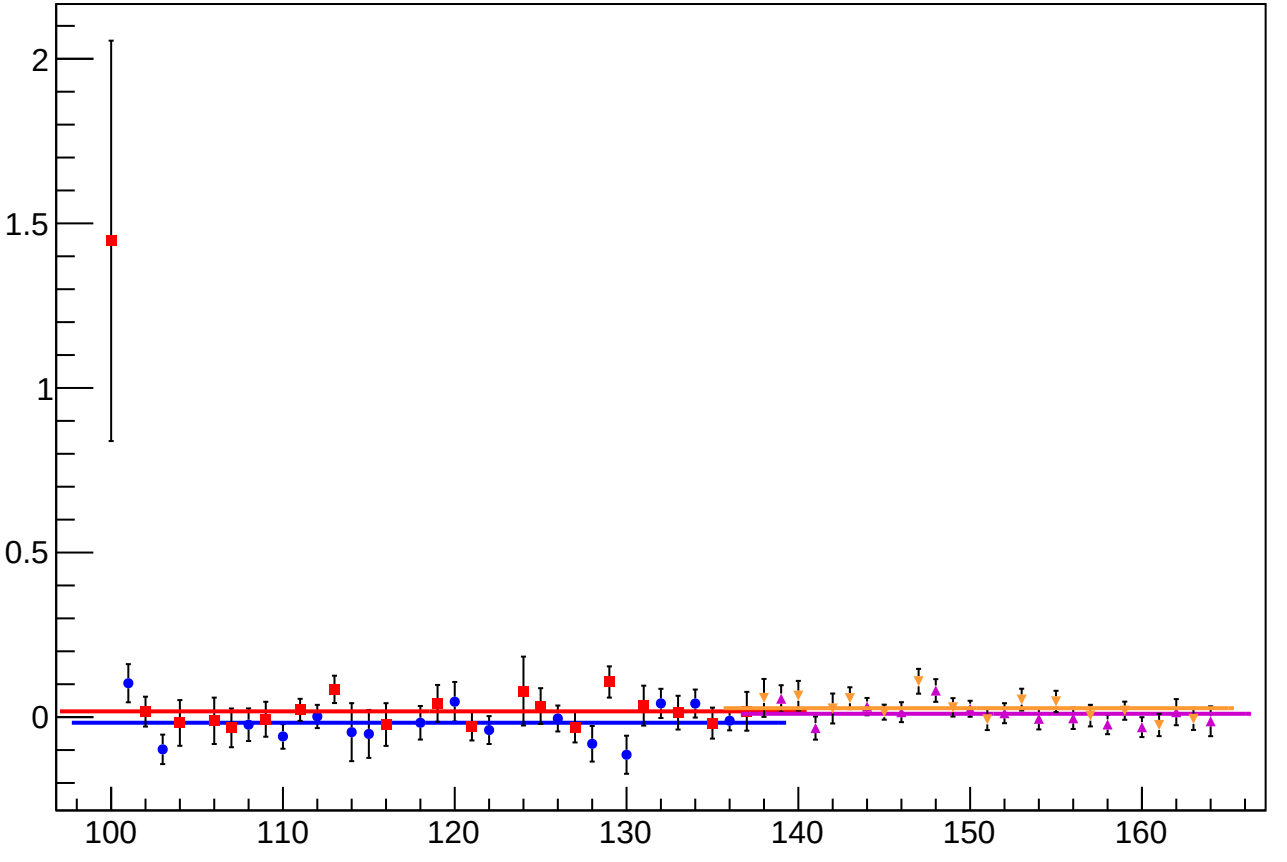
Left In: 0.000+/-0.000 χ^2/NDF:945527.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2316360.1/29

All: 0.000+/-0.000 χ^2/NDF: 5254757.8/61

- 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:12.7/13

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

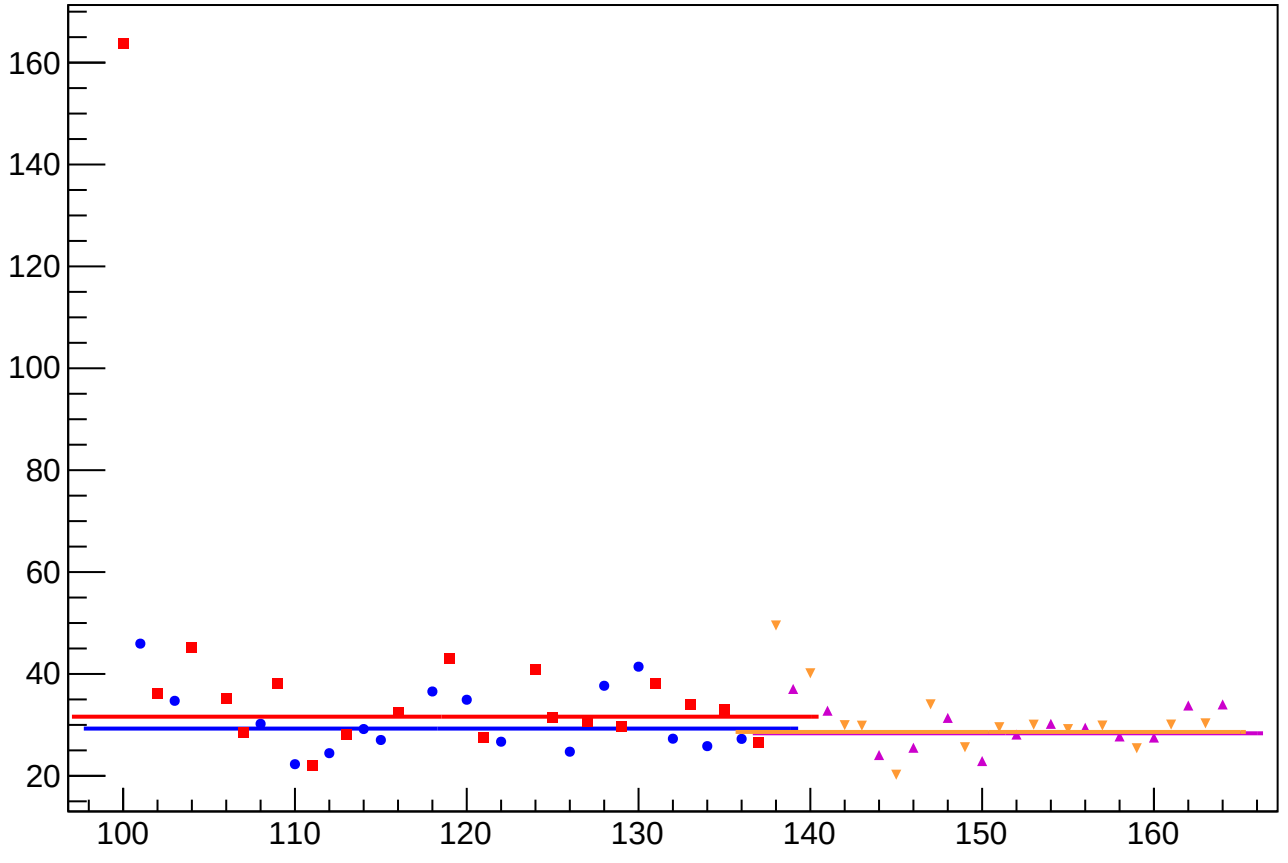
Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.8/61

- 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: 28.617+/-0.006 χ^2/NDF:777934.8/13

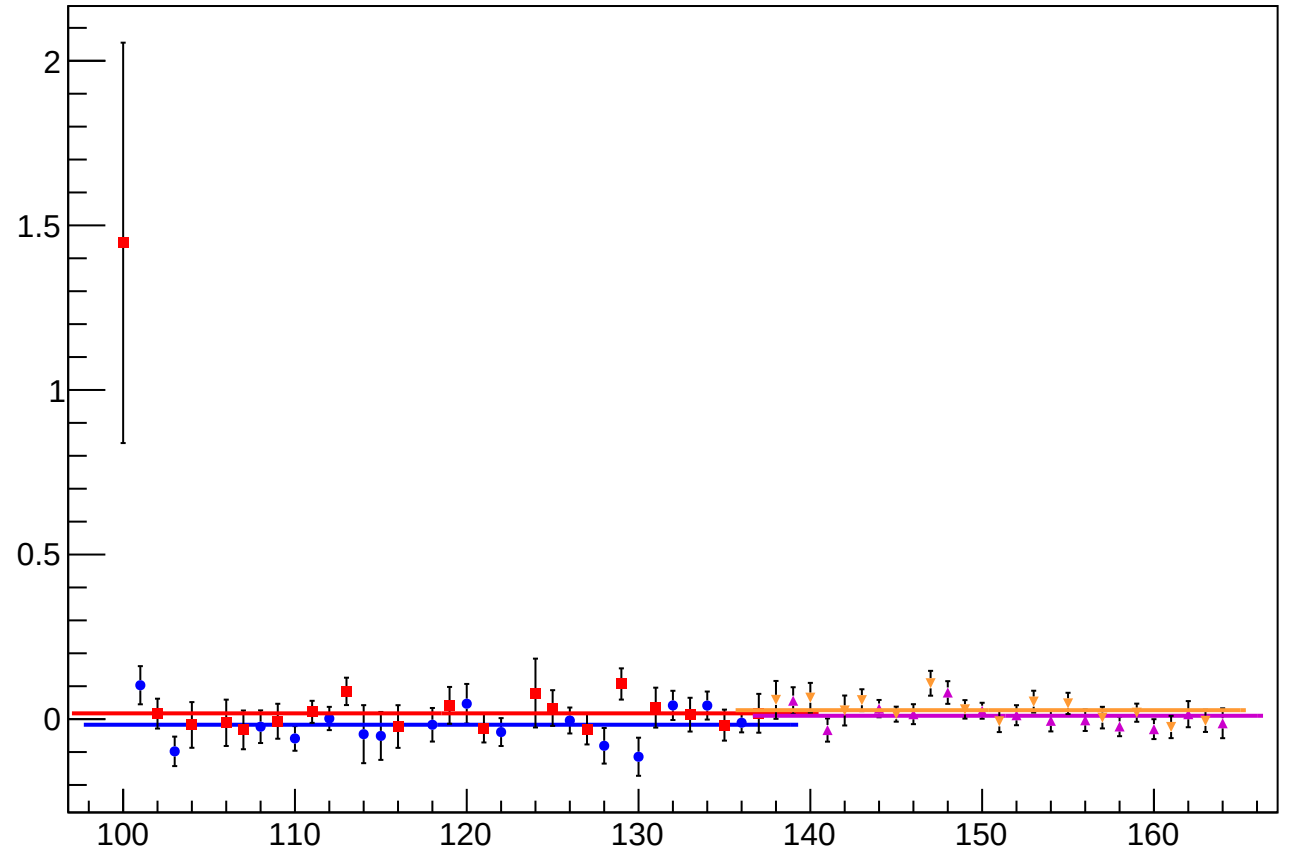
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

+ sign 28.866+/-0.005 χ^2/NDF: 1342831.8/29

All: 29.168+/-0.004 χ^2/NDF: 2406856.8/61

- 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:12.7/13

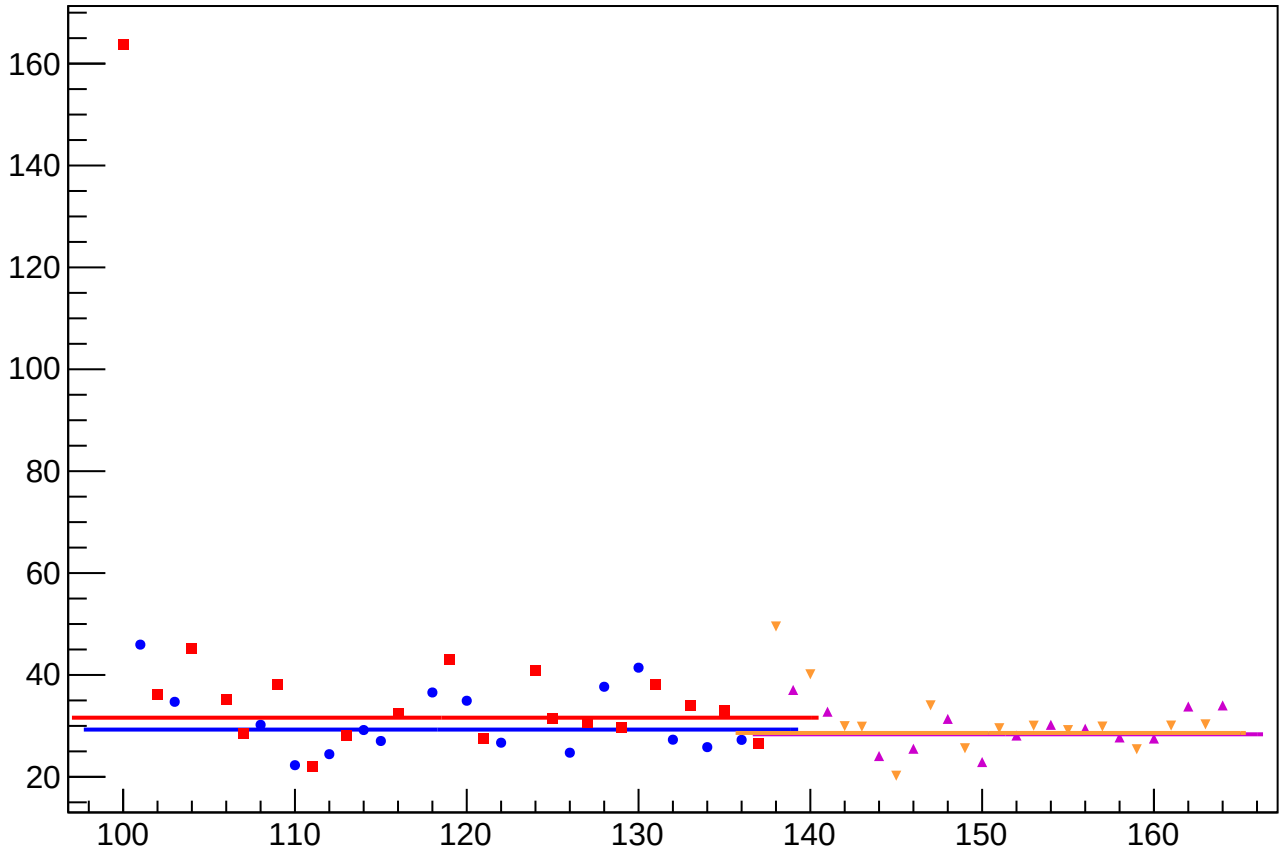
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.8/61

- 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: 28.617+/-0.006 χ^2/NDF:777934.8/13

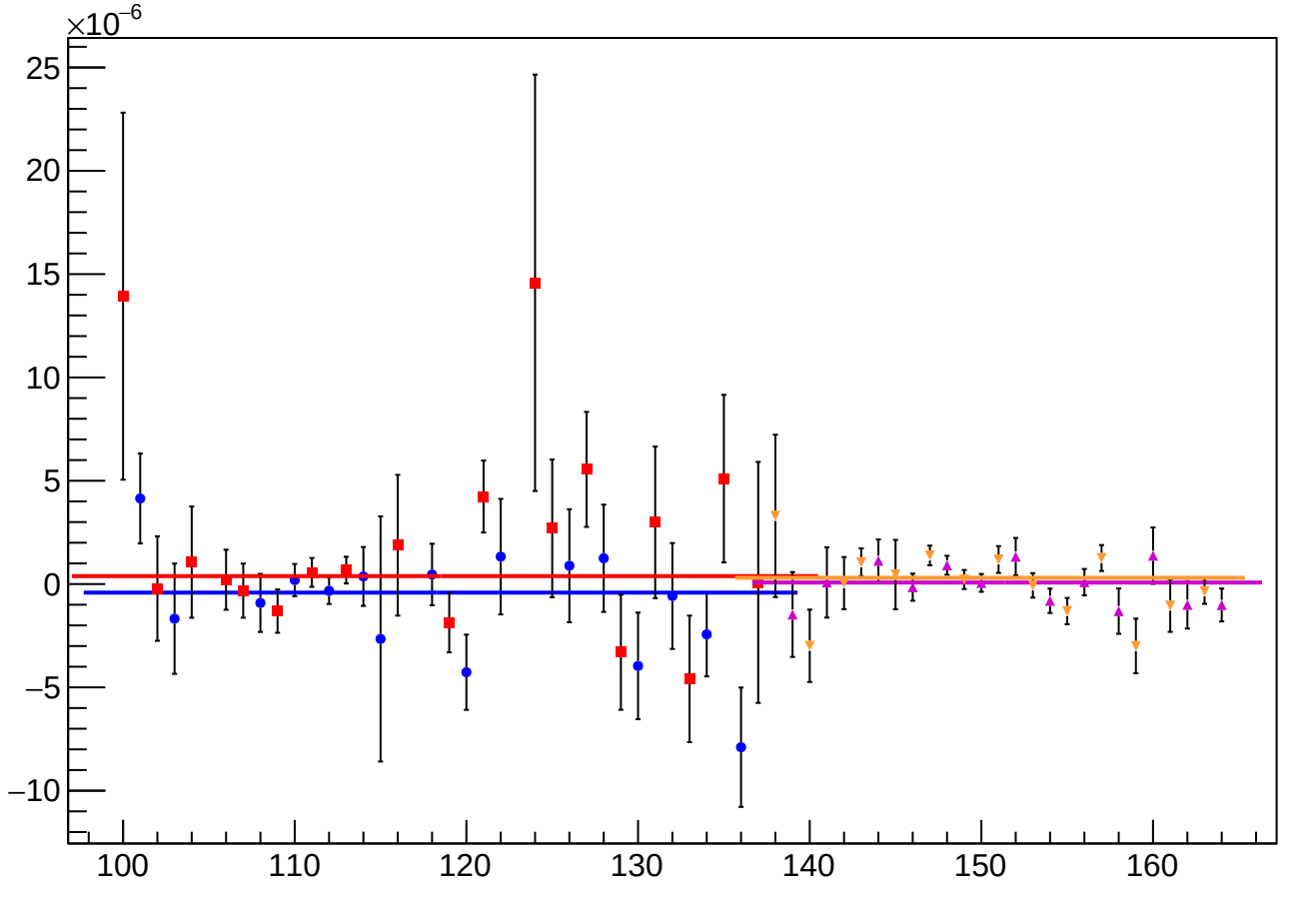
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

+ sign 28.866+/-0.005 χ^2/NDF: 1342831.8/29

All: 29.168+/-0.004 χ^2/NDF: 2406856.8/61

- 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:30.1/13

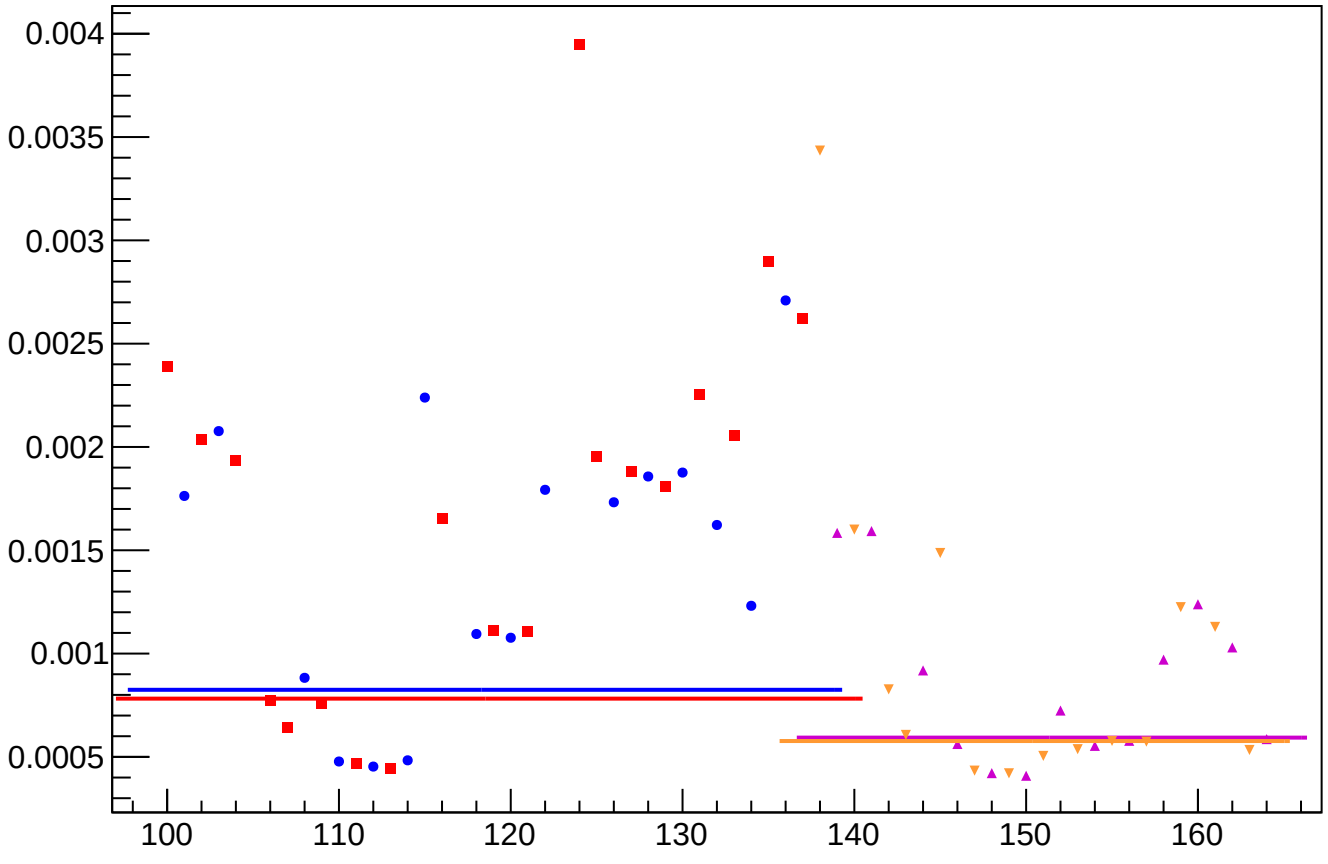
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/29

All: 0.000+/-0.000 χ^2/NDF: 94.6/61

- sign 0.000+/-0.000 χ^2/NDF: 40.3/31



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3722118.8/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

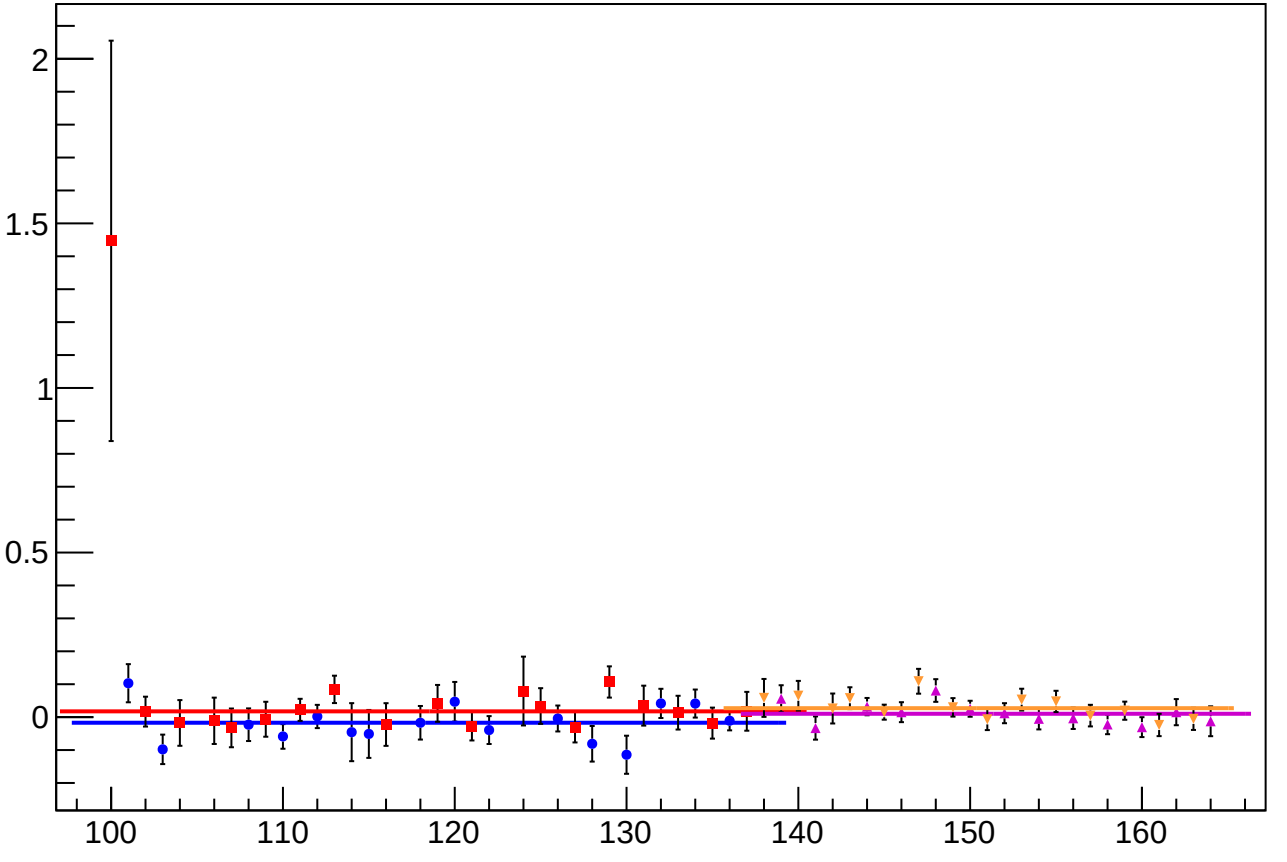
Left In: 0.001+/-0.000 χ^2/NDF:3028271.7/12

+ sign 0.001+/-0.000 χ^2/NDF: 8875347.0/29

All: 0.001+/-0.000 χ^2/NDF: 16983843.5/61

- sign 0.001+/-0.000 χ^2/NDF: 8104085.5/31

asym_sam_37_48_dd_eigen_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:12.7/13

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

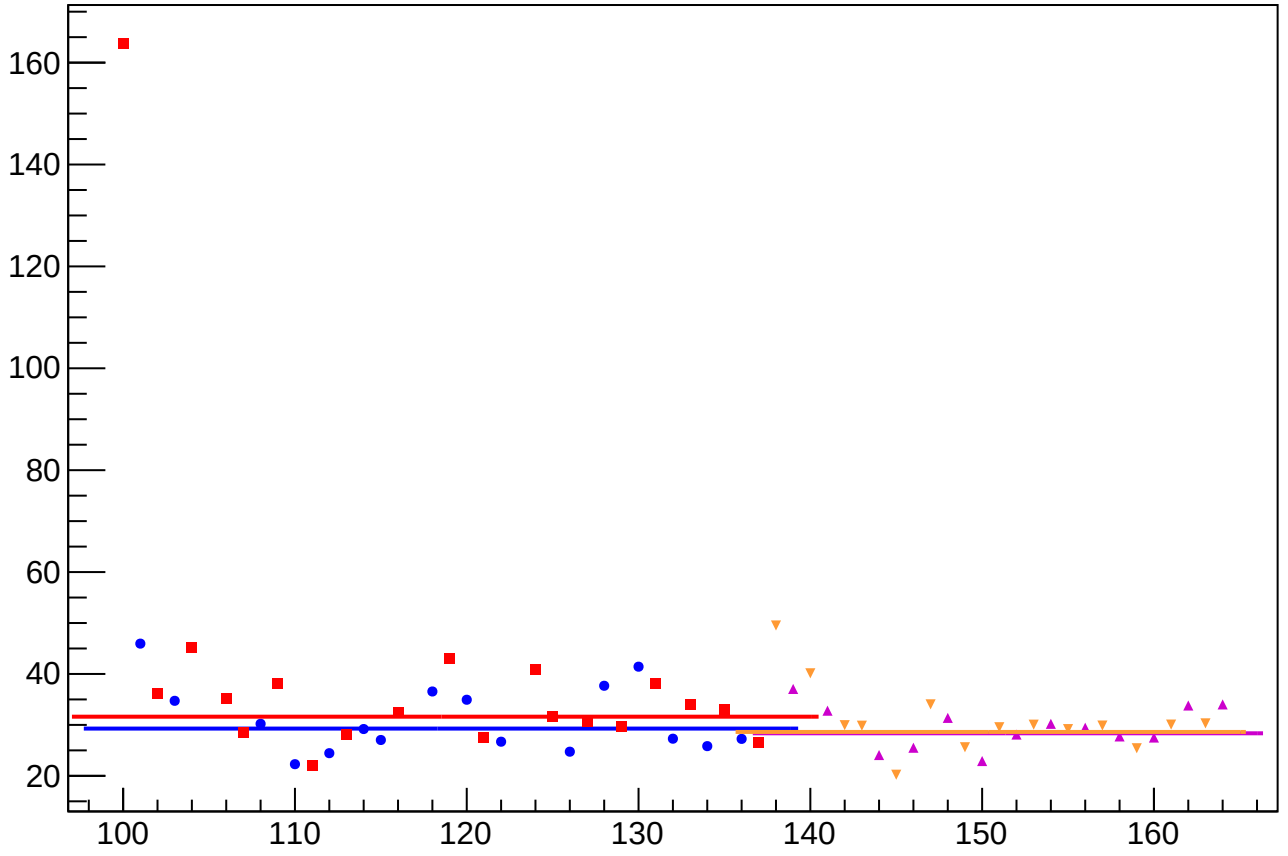
Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.8/61

- sign 0.013+/-0.007 χ^2/NDF: 28.8/31

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

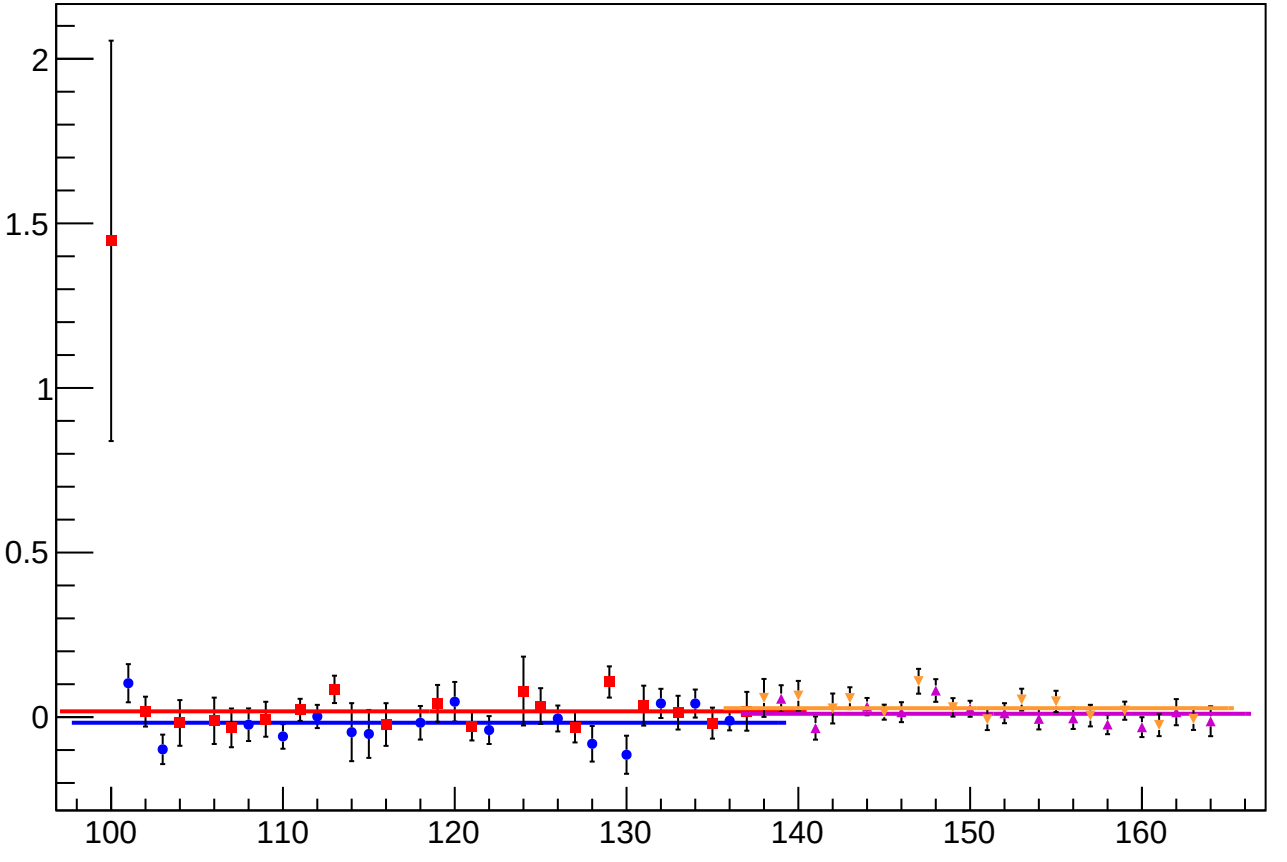
Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

+ sign 28.866+/-0.005 χ^2/NDF: 1342879.6/29

All: 29.168+/-0.004 χ^2/NDF: 2406893.0/61

- 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:12.7/13

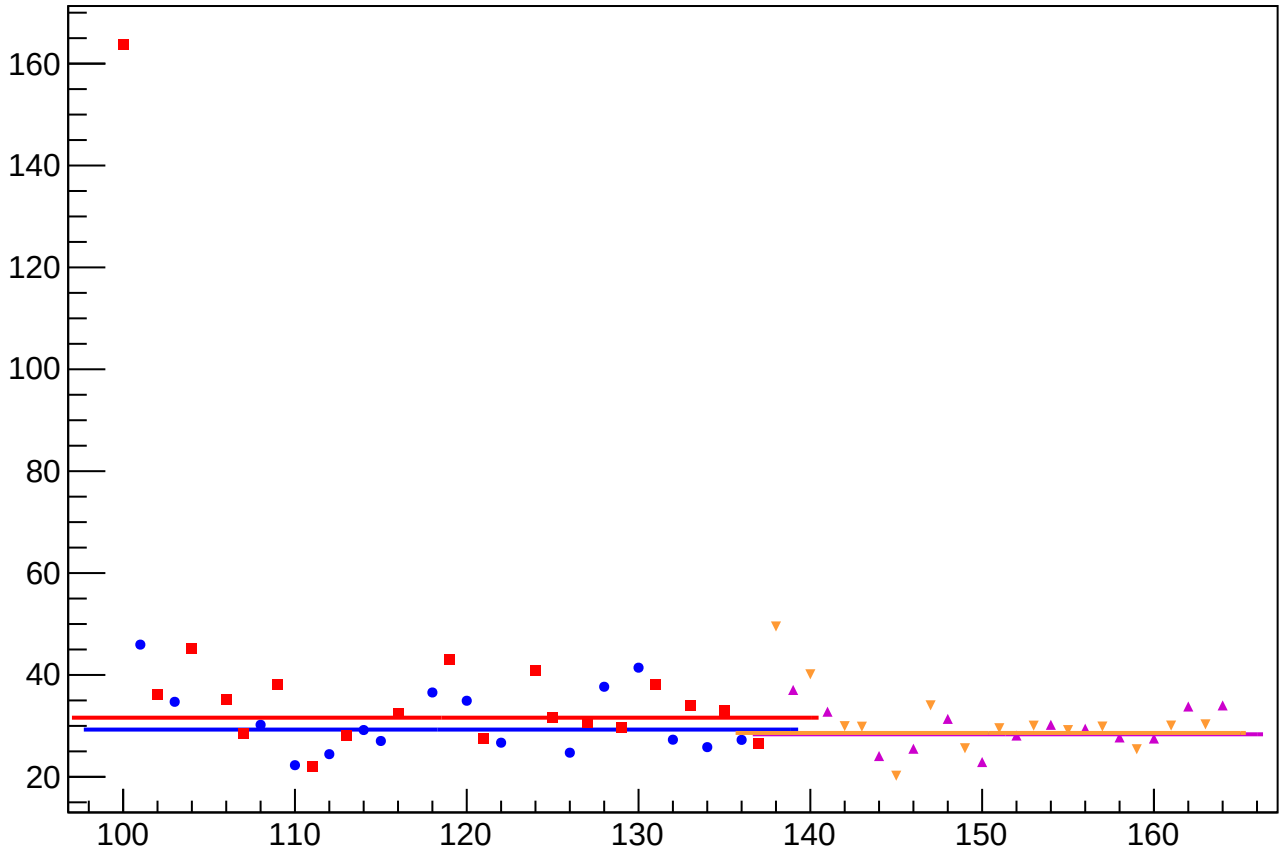
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.8/61

- 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: 28.617+/-0.006 χ^2/NDF:777979.5/13

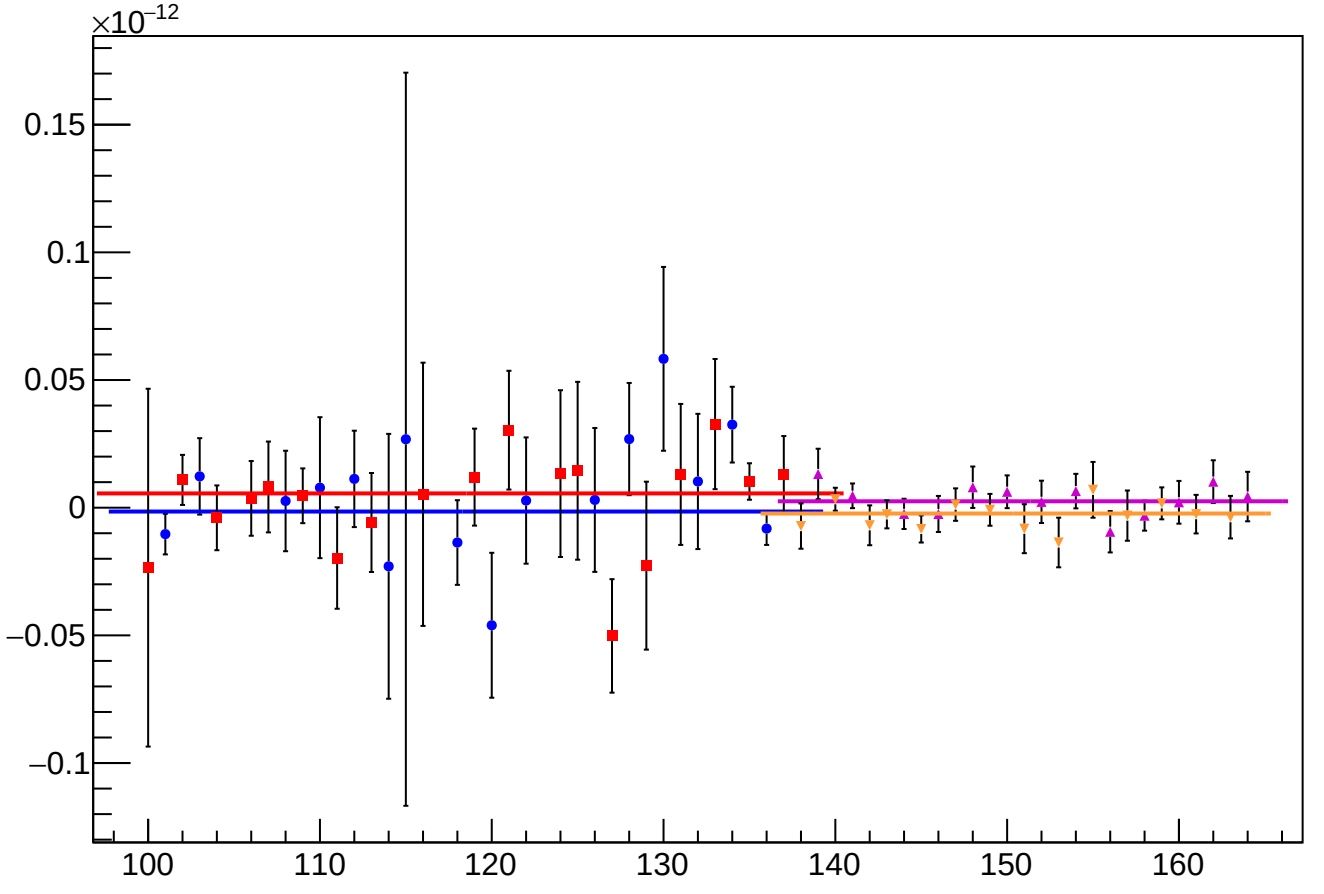
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

+ sign 28.866+/-0.005 χ^2/NDF: 1342879.6/29

All: 29.168+/-0.004 χ^2/NDF: 2406893.0/61

- 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:6.8/13

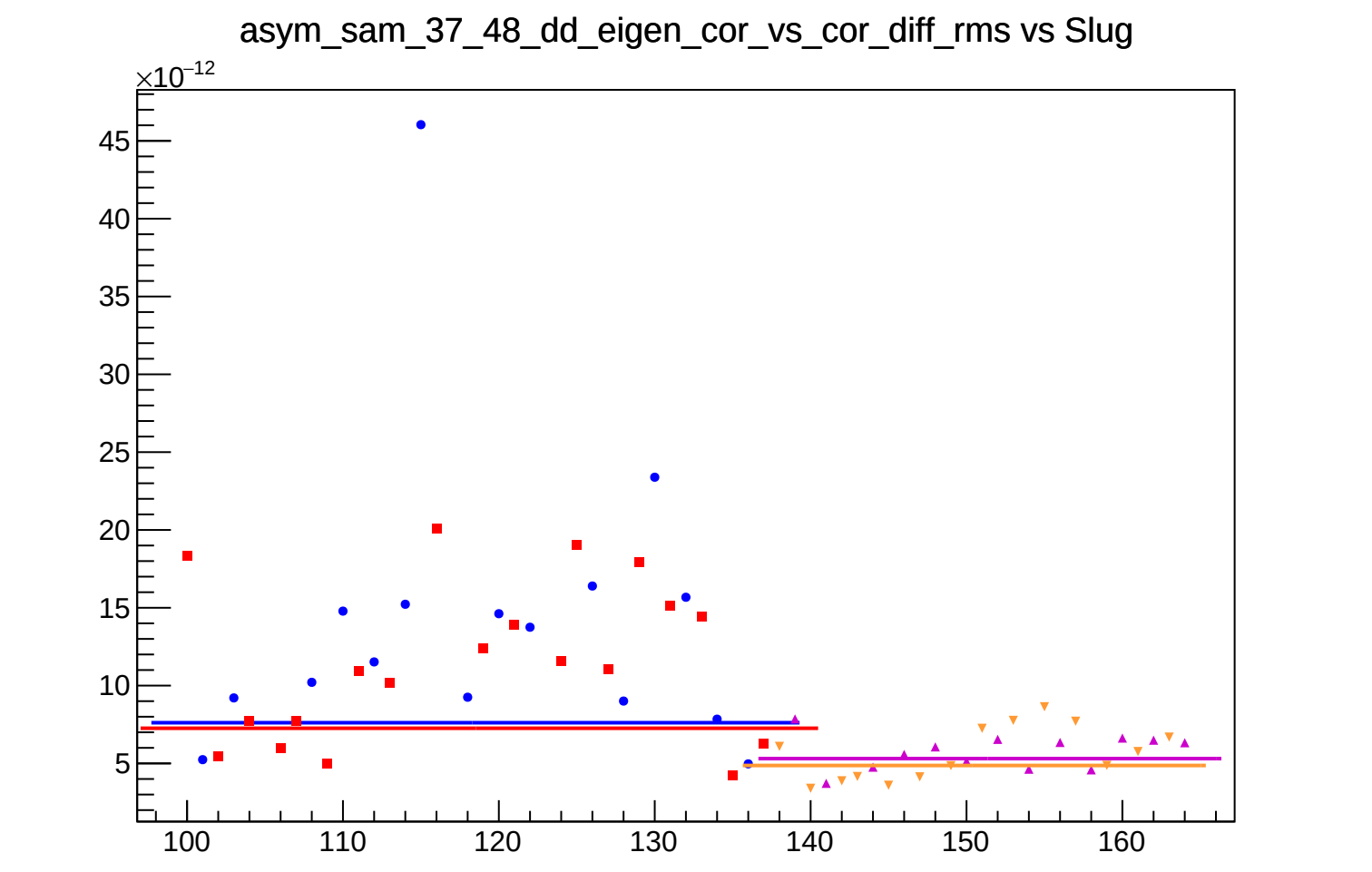
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

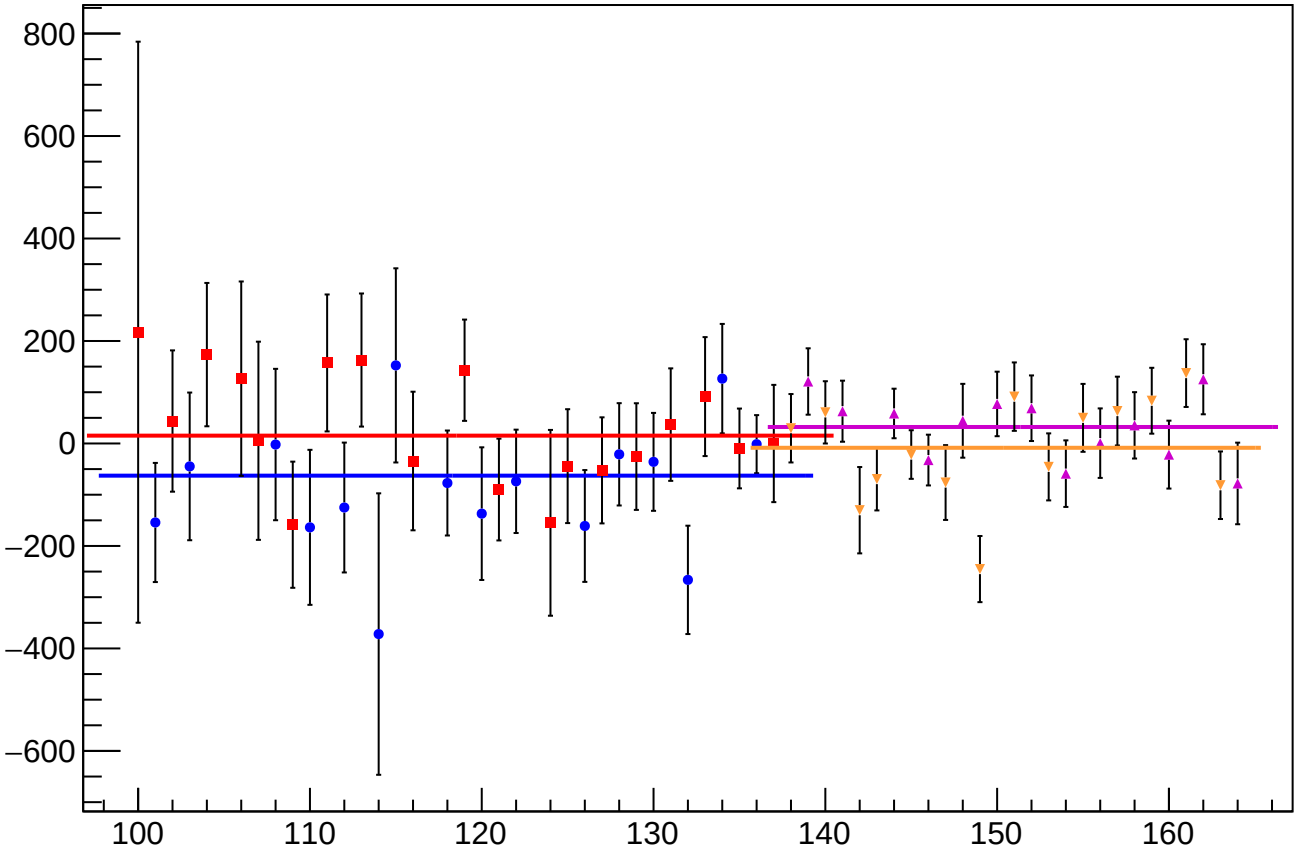
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/29

All: 0.000+/-0.000 χ^2/NDF: 50.3/61

- 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:1288066.7/13
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: 4148876.0/29
All: 0.000+/-0.000 χ²/NDF: 7264028.6/61
- 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: -8.416+/-17.189 χ^2/NDF:31.7/13

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

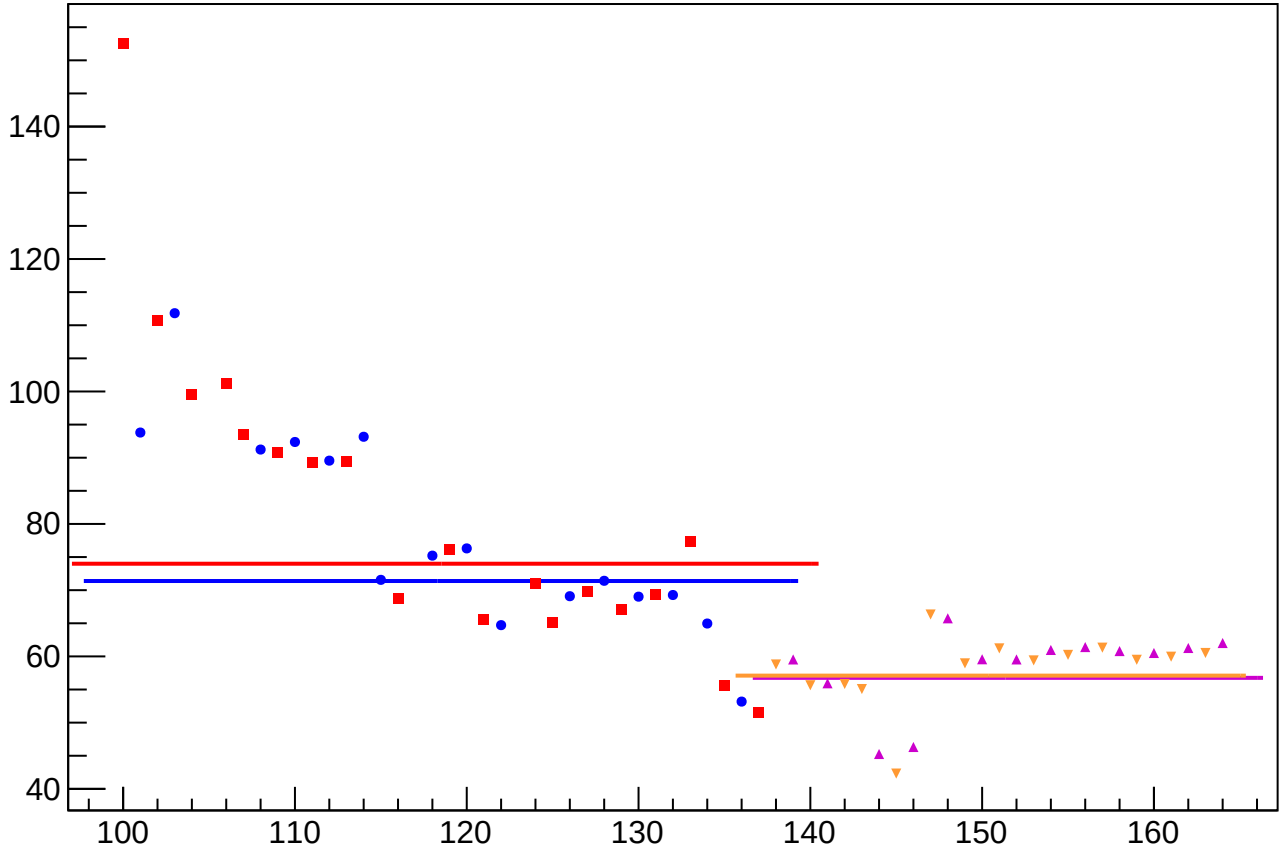
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.926+/-14.533 χ^2/NDF: 48.1/29

All: 1.486+/-10.332 χ^2/NDF: 77.6/61

- 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: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

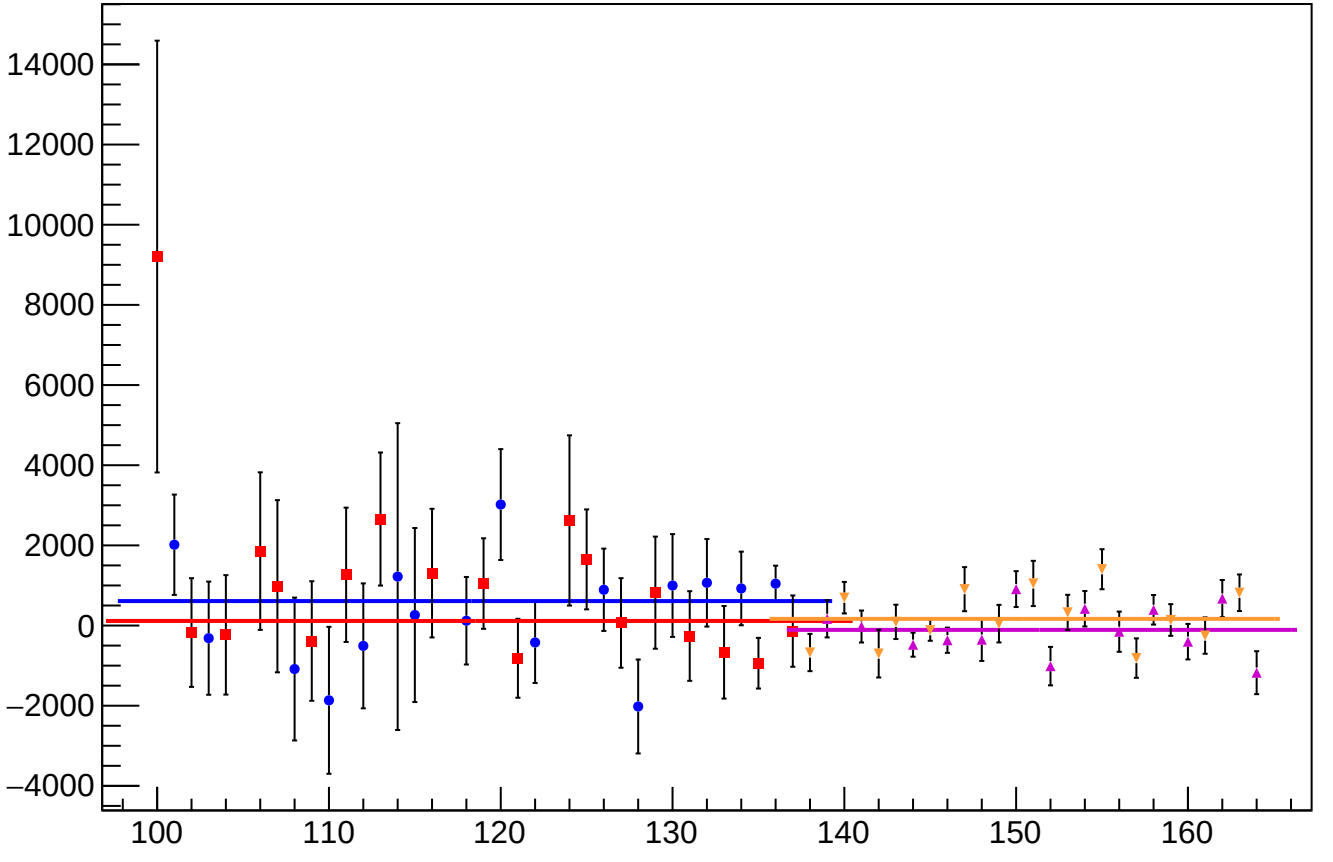
Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

+ sign 61.172+/-0.010 χ^2/NDF: 1252205.7/29

All: 61.376+/-0.007 χ^2/NDF: 2740420.8/61

- 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: 166.540+/-116.127 χ^2/NDF:25.8/13

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

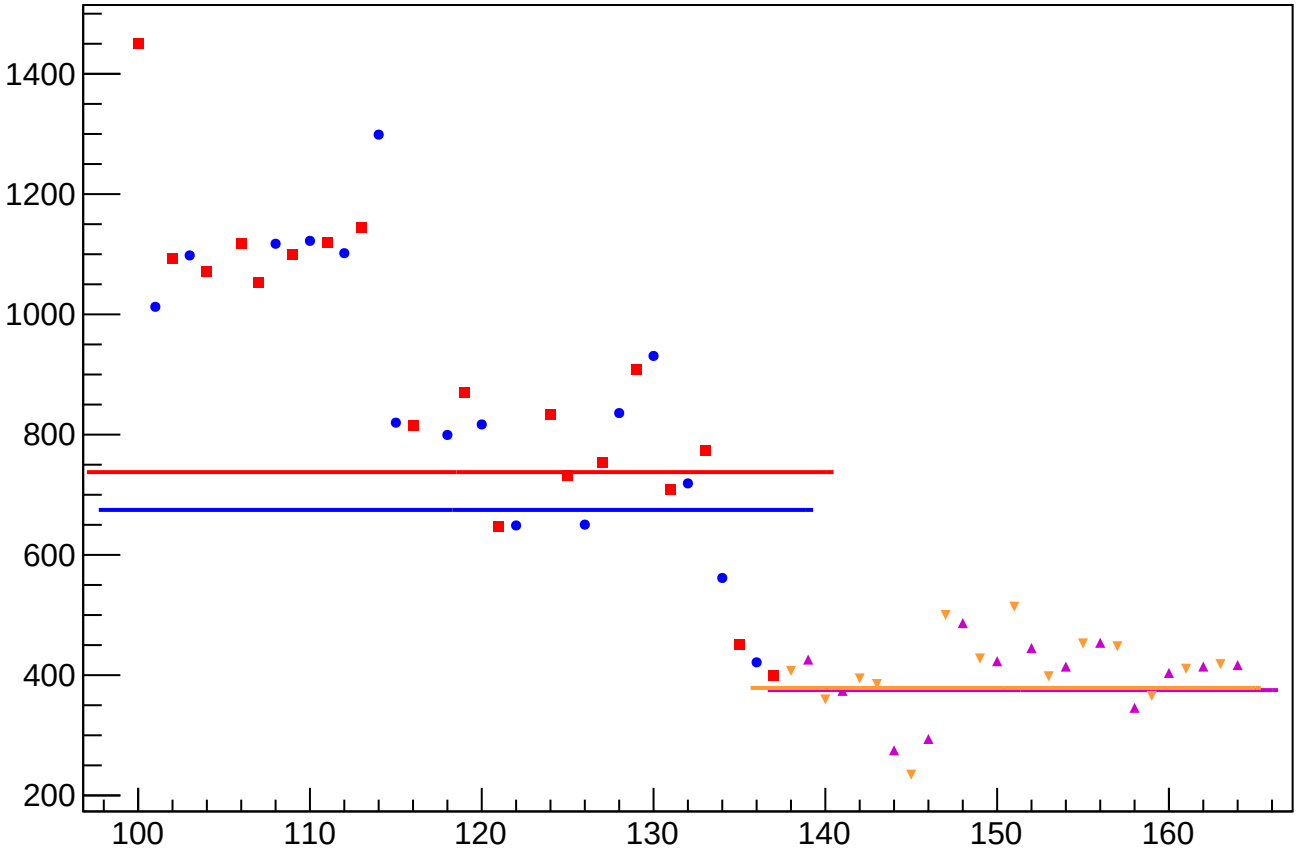
Left In: -107.982+/-115.700 χ^2/NDF:22.1/12

+ sign 237.261+/-106.478 χ^2/NDF: 43.9/29

All: 81.463+/-75.534 χ^2/NDF: 86.3/61

- 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: 378.797+/-0.082 χ^2/NDF:960929.6/13

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

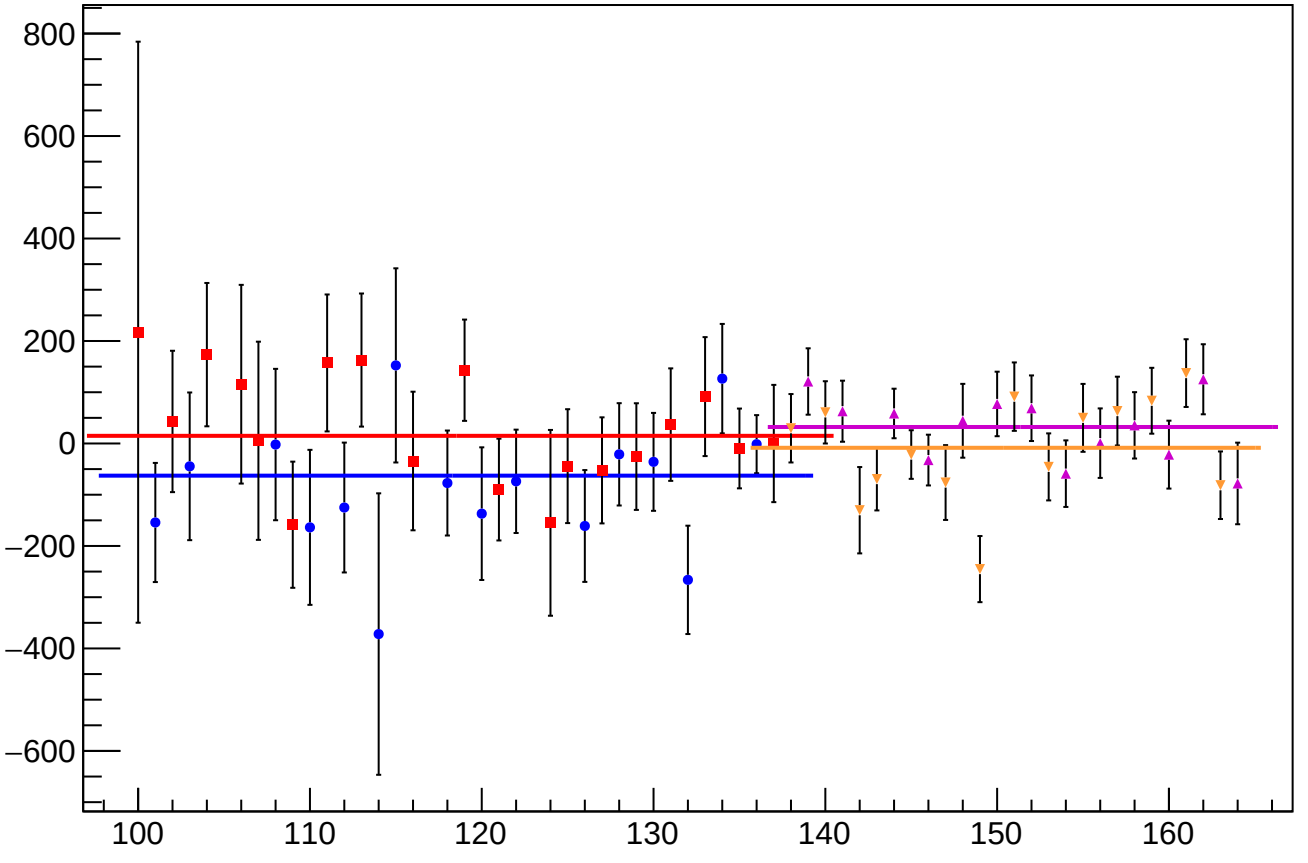
Left In: 375.174+/-0.082 χ^2/NDF:645937.4/12

+ sign 425.947+/-0.075 χ^2/NDF: 4648609.1/29

All: 426.310+/-0.053 χ^2/NDF: 9600698.9/61

- 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: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

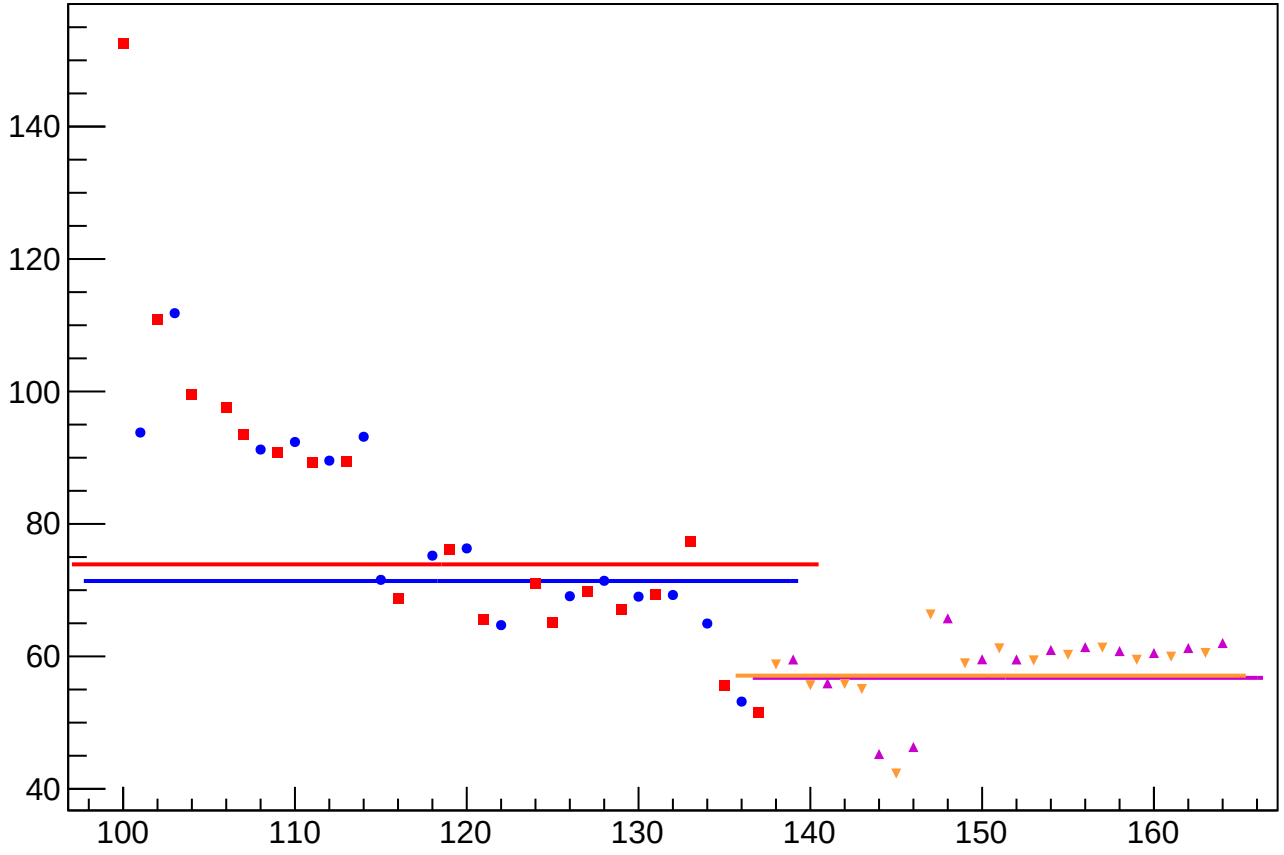
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.924+/-14.533 χ^2/NDF: 48.1/29

All: 1.436+/-10.332 χ^2/NDF: 77.5/61

- 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: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

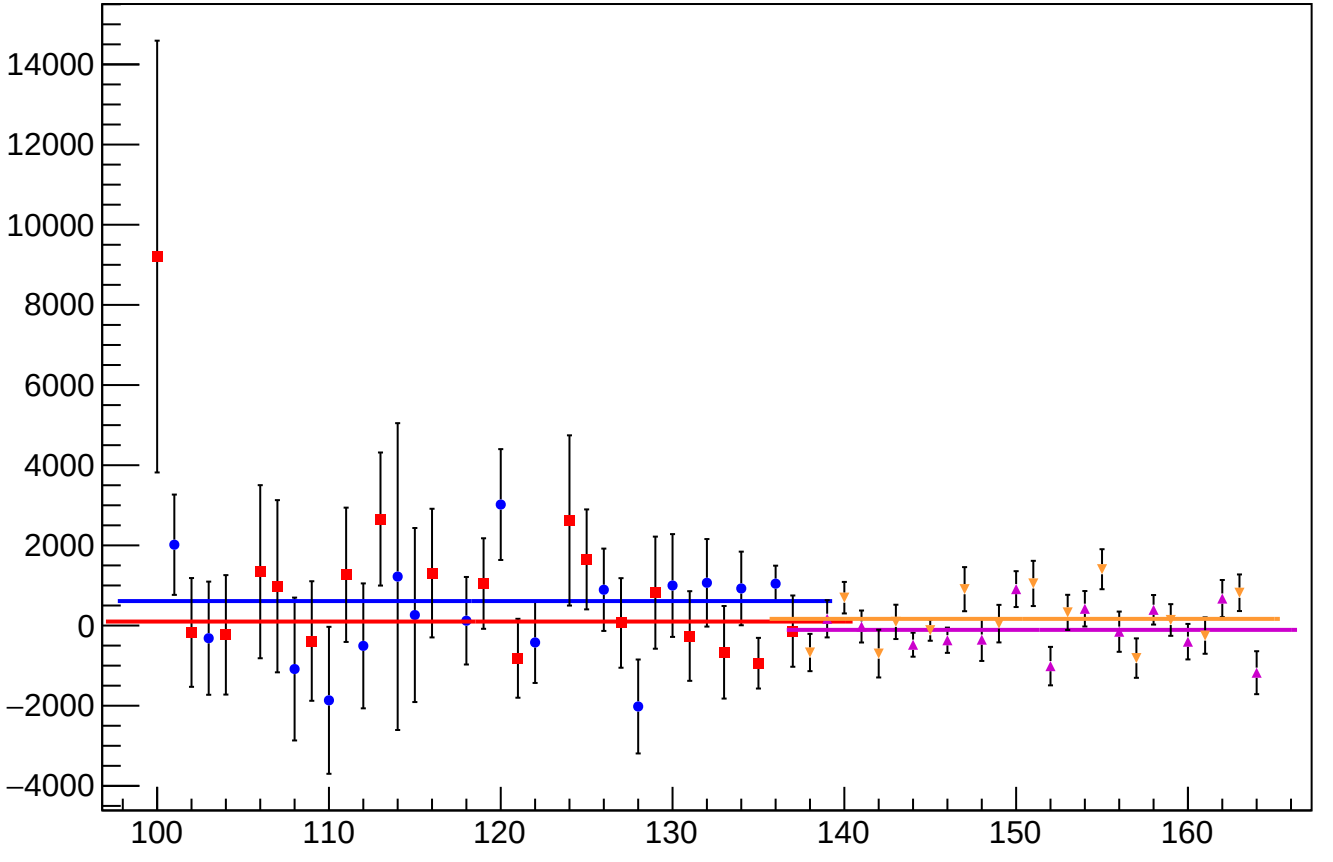
Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

\+ sign 61.172+/-0.010 χ^2/NDF: 1252208.4/29

All: 61.360+/-0.007 χ^2/NDF: 2722098.0/61

\- 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: 166.537+/-116.127 χ^2/NDF:25.8/13

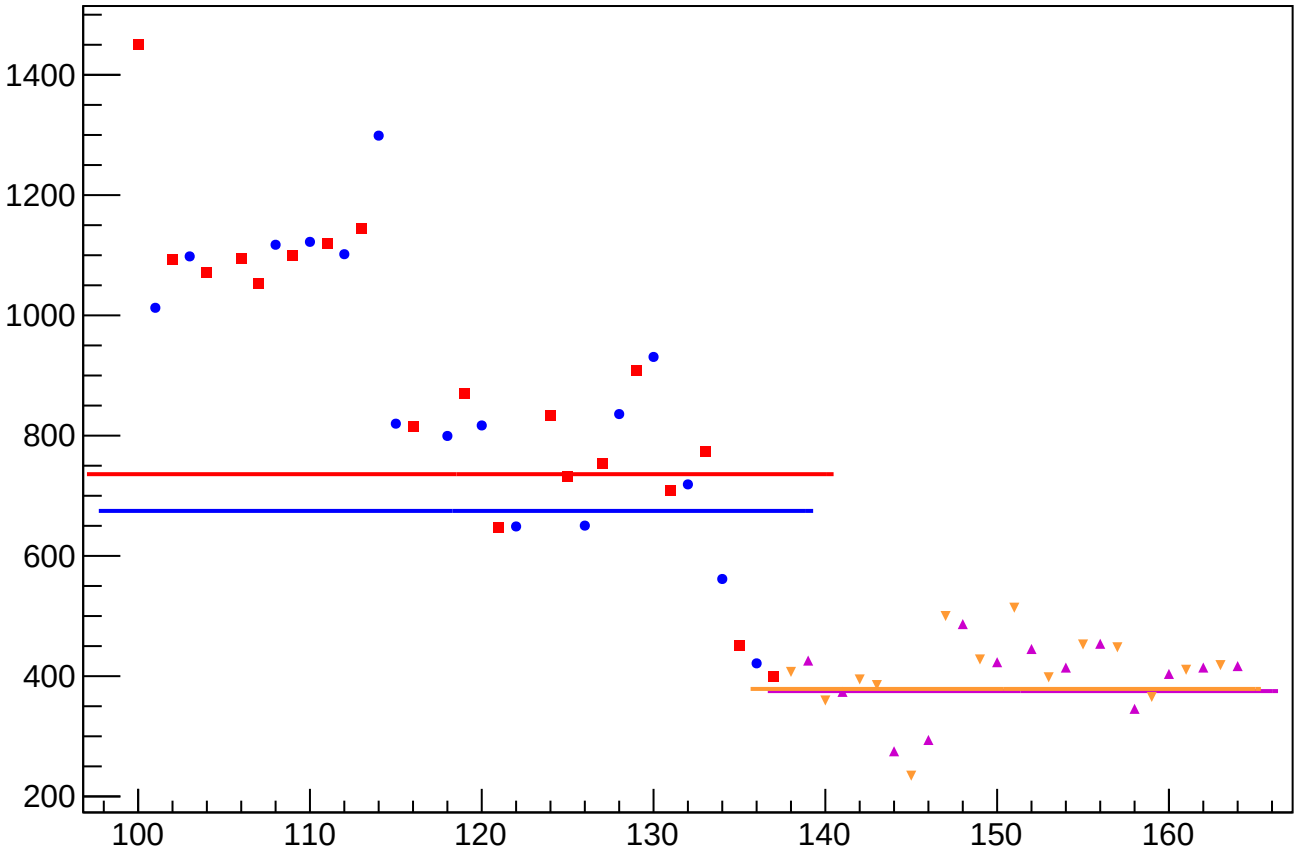
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -107.978+/-115.700 χ^2/NDF:22.1/12

+ sign 237.256+/-106.478 χ^2/NDF: 43.9/29

All: 80.393+/-75.543 χ^2/NDF: 85.8/61

- 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: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

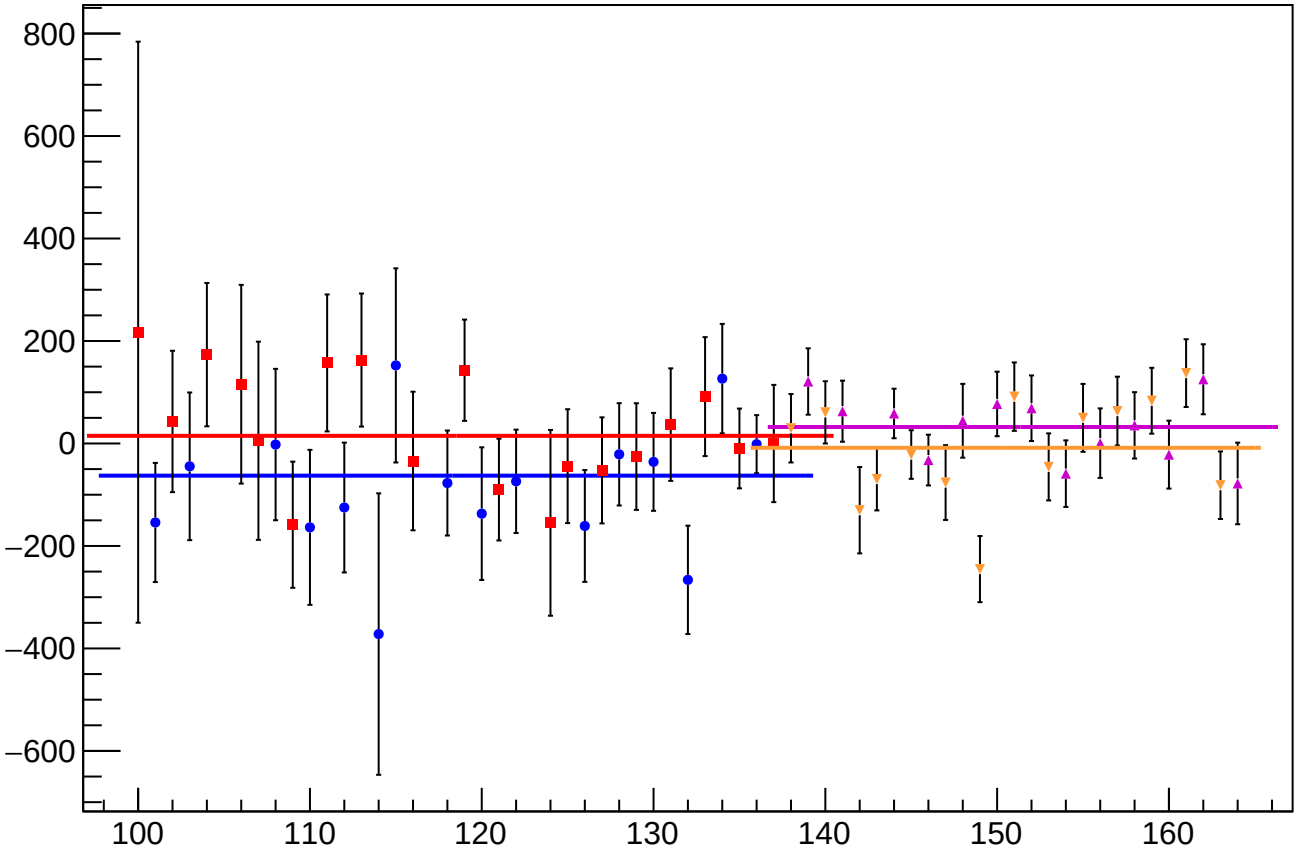
Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

+ sign 425.947+/-0.075 χ^2/NDF: 4648643.3/29

All: 426.106+/-0.053 χ^2/NDF: 9545347.5/61

- 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: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

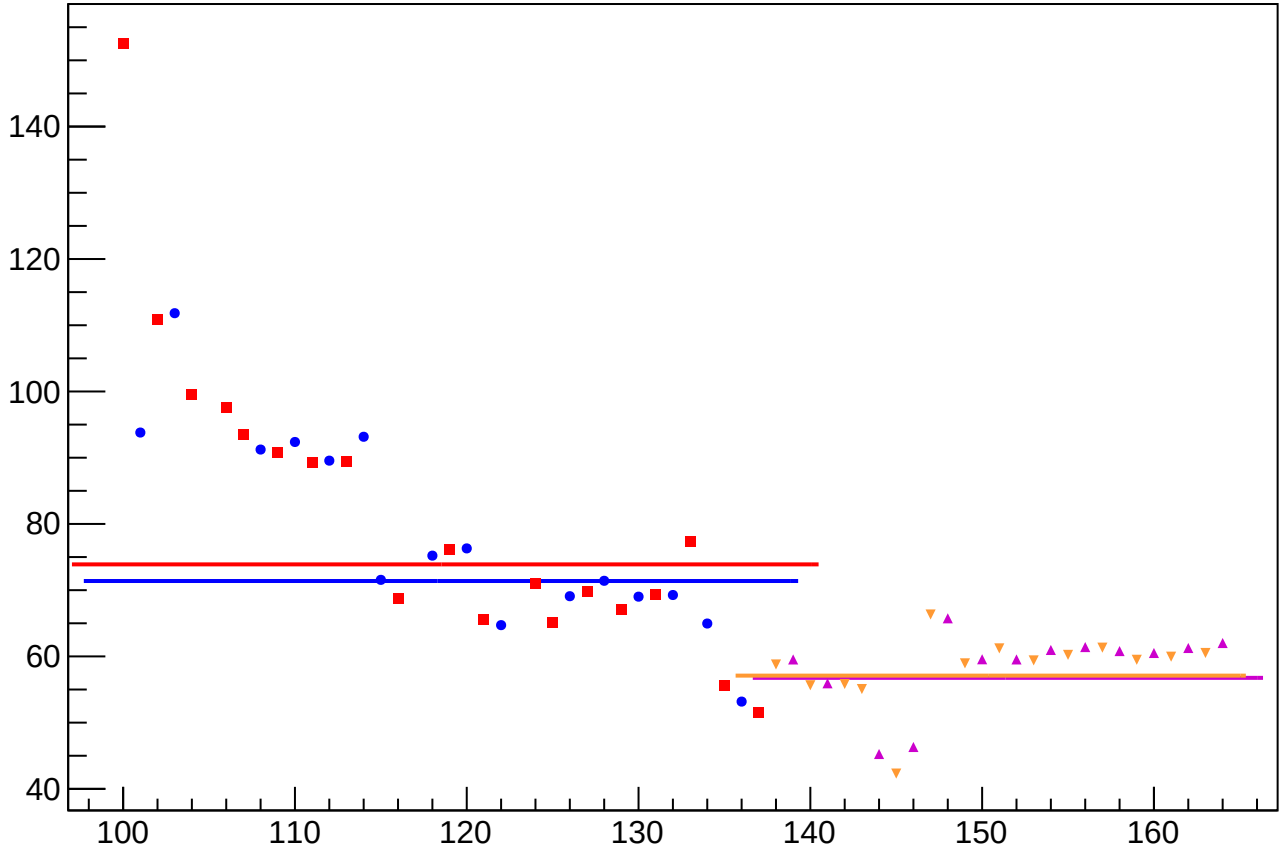
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.924+/-14.533 χ^2/NDF: 48.1/29

All: 1.436+/-10.332 χ^2/NDF: 77.5/61

- 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: 57.098+/-0.012 χ^2/NDF:267353.5/13

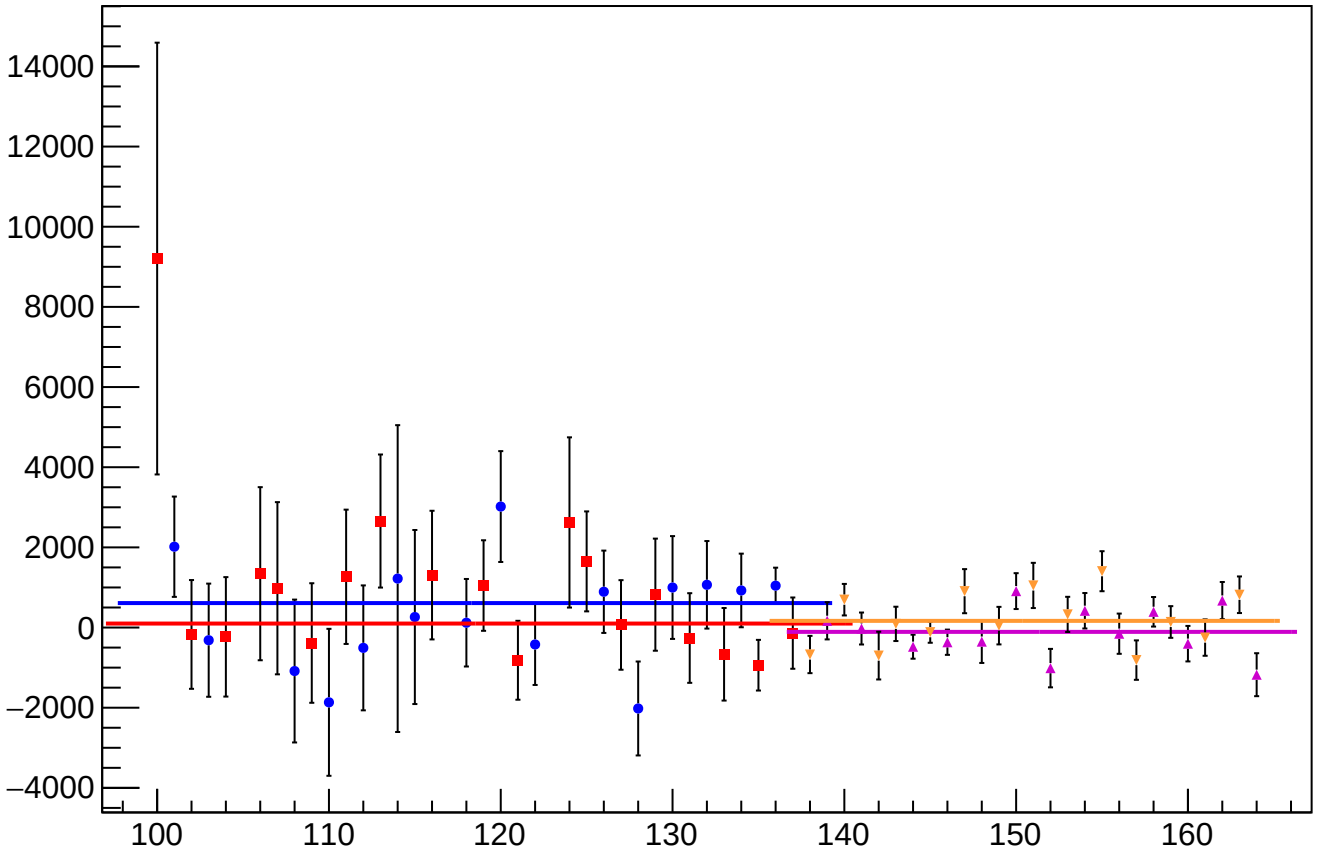
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

+ sign 61.172+/-0.010 χ^2/NDF: 1252208.4/29

All: 61.360+/-0.007 χ^2/NDF: 2722098.0/61

- sign 61.553+/-0.010 χ^2/NDF: 1469210.7/31



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

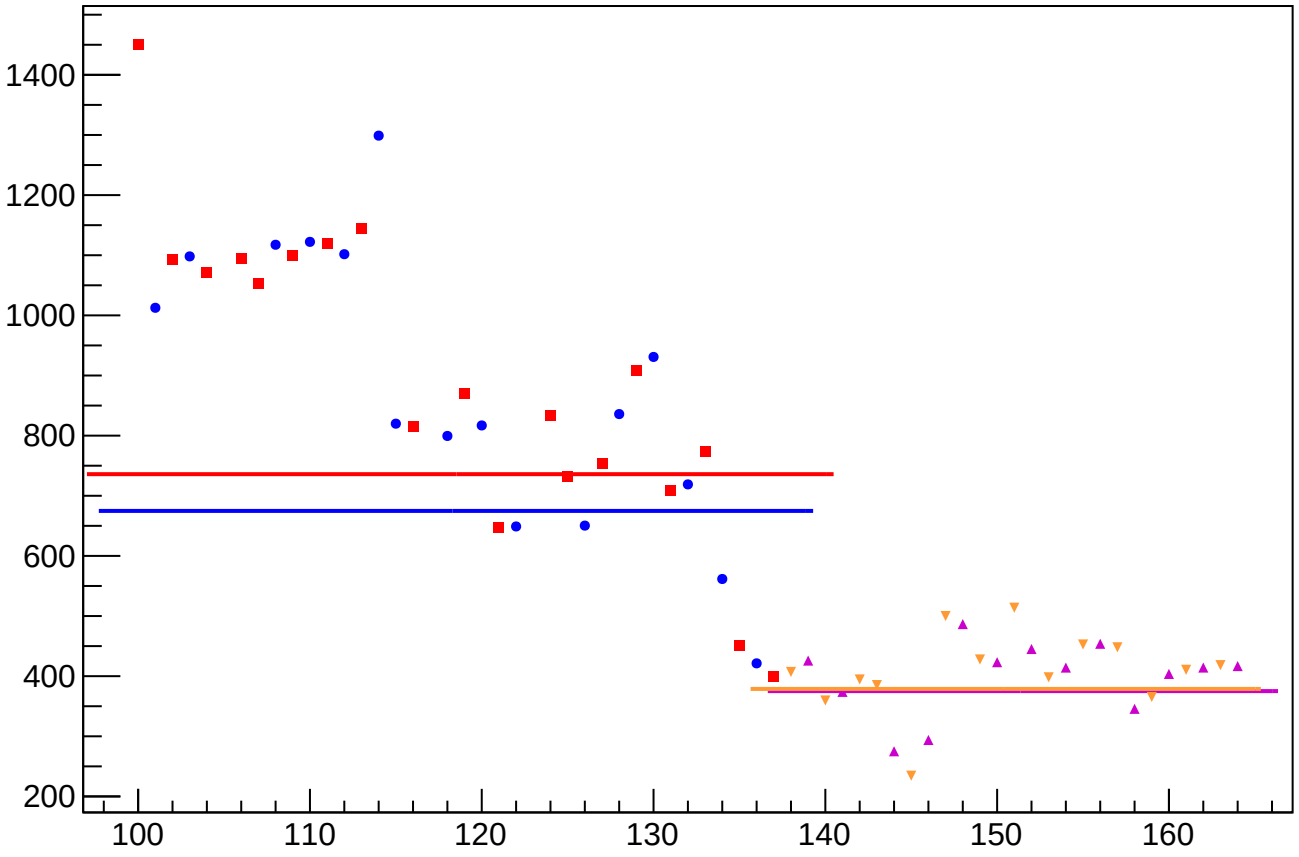
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -107.978+/-115.700 χ^2/NDF:22.1/12

\+ sign 237.256+/-106.478 χ^2/NDF: 43.9/29

All: 80.393+/-75.543 χ^2/NDF: 85.8/61

\- 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: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

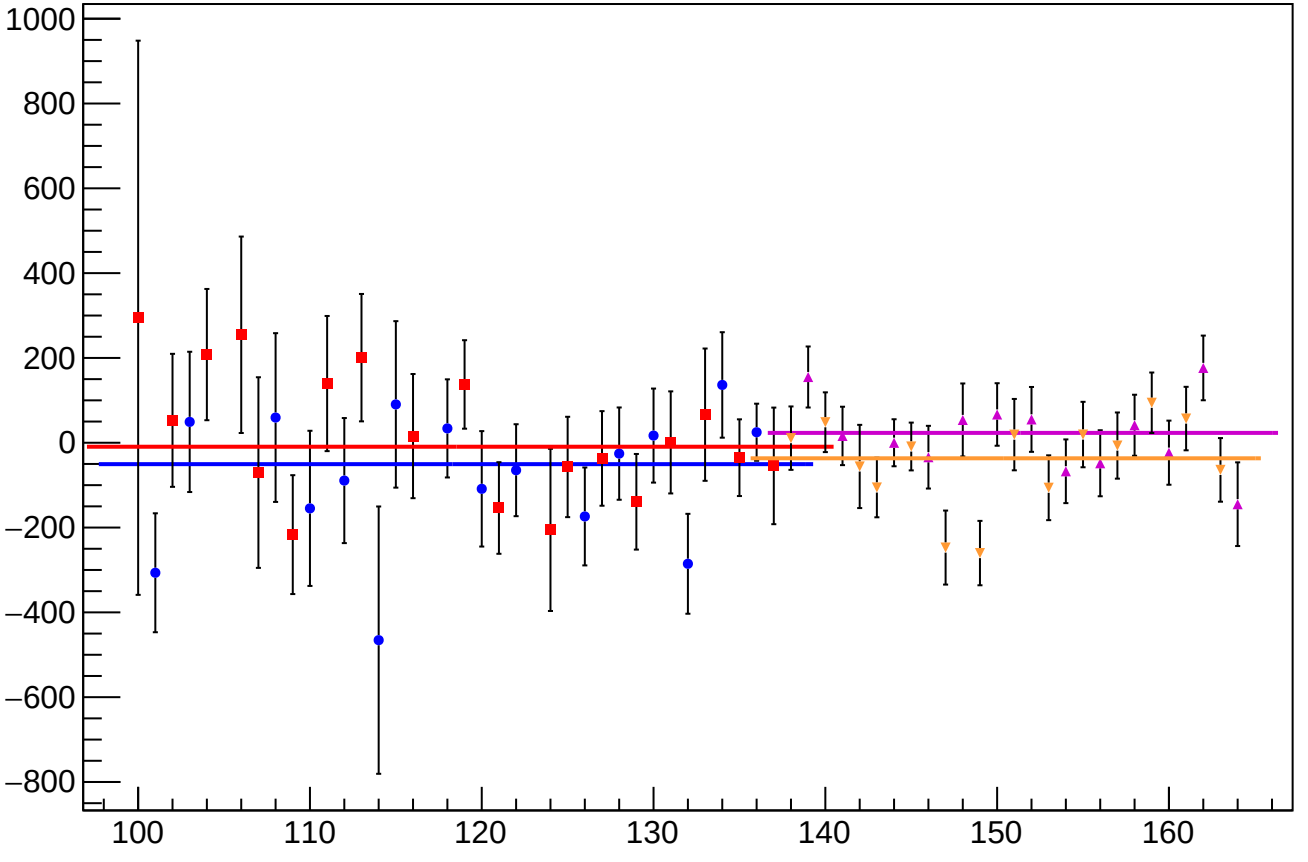
Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

+ sign 425.947+/-0.075 χ^2/NDF: 4648643.3/29

All: 426.106+/-0.053 χ^2/NDF: 9545347.5/61

- 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: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

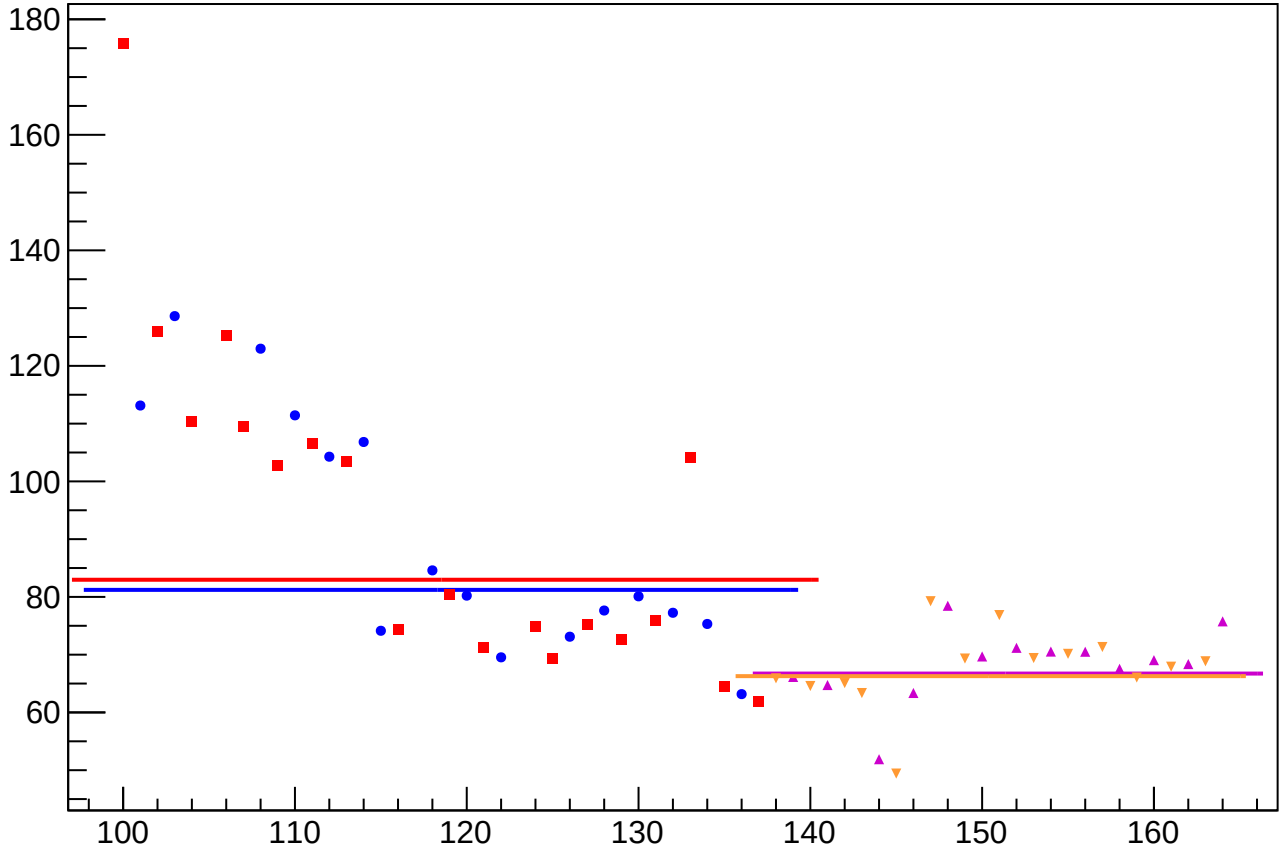
Left In: 23.251+/-20.466 χ^2/NDF:14.5/12

+ sign -40.708+/-16.808 χ^2/NDF: 41.2/29

All: -14.126+/-11.993 χ^2/NDF: 77.1/61

- 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: 66.282+/-0.014 χ^2/NDF:283169.3/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

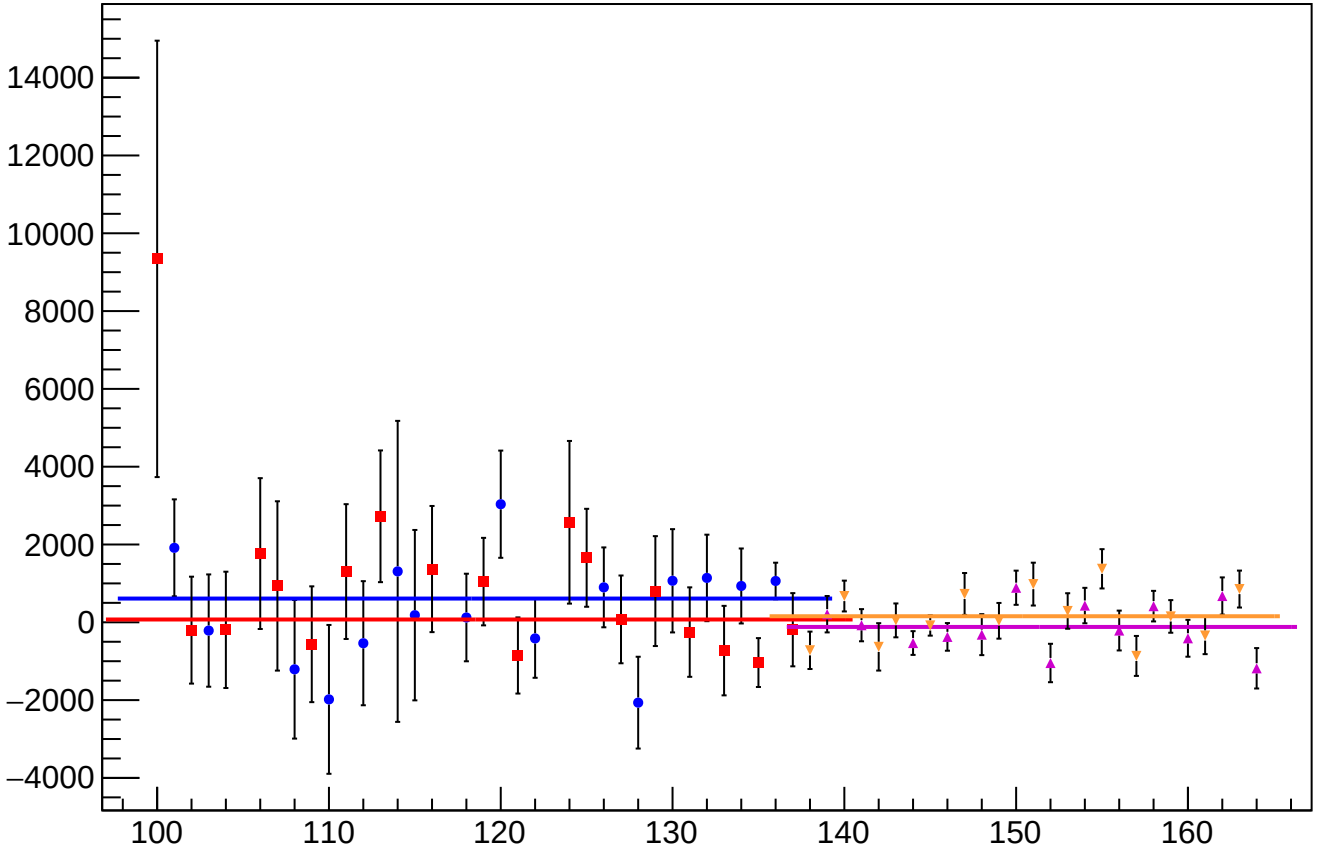
Left In: 66.728+/-0.014 χ^2/NDF:226011.5/12

+ sign 70.655+/-0.012 χ^2/NDF: 1273073.1/29

All: 71.123+/-0.008 χ^2/NDF: 2611003.0/61

- 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: 155.921+/-118.087 χ^2/NDF:24.1/13

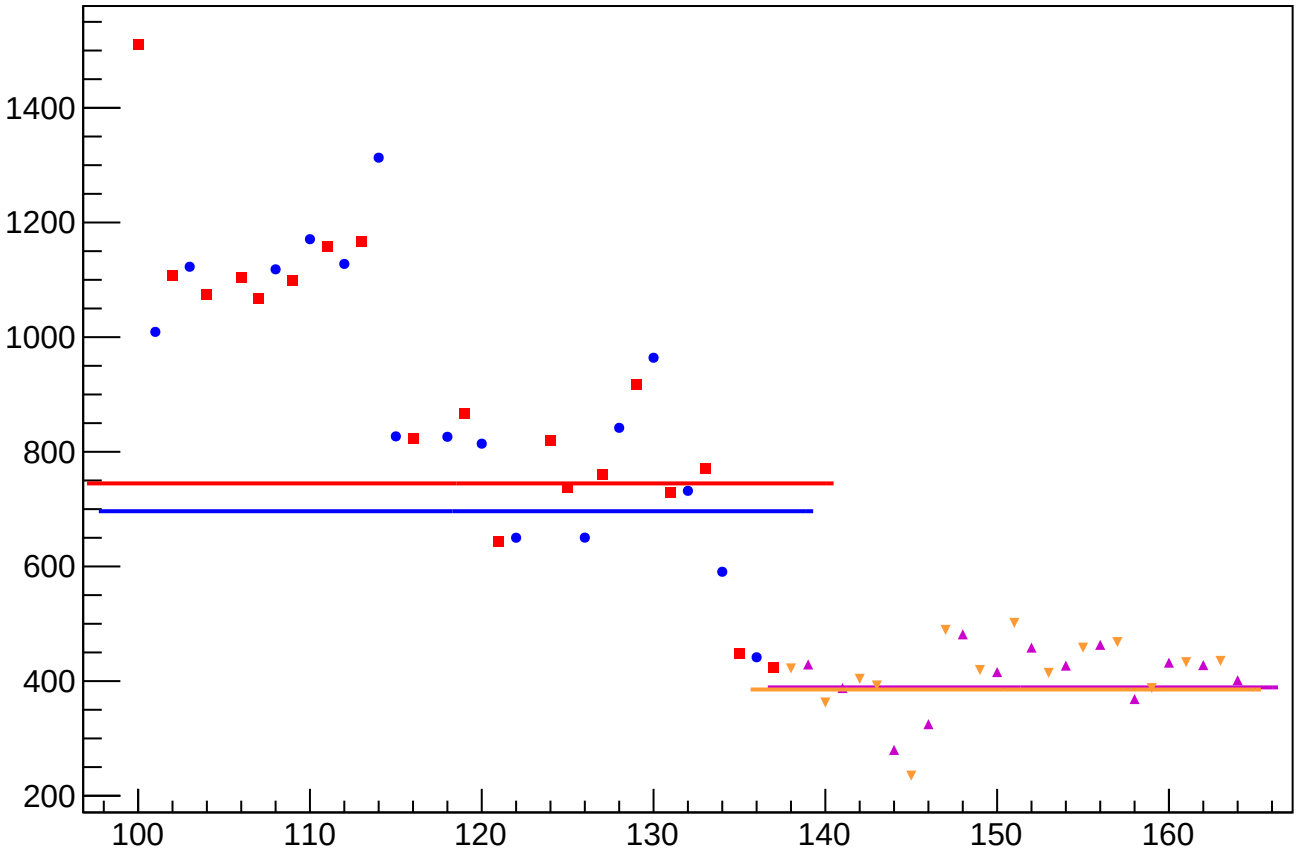
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -119.082+/-119.855 χ^2/NDF:22.5/12

+ sign 227.117+/-108.443 χ^2/NDF: 42.2/29

All: 71.355+/-77.428 χ^2/NDF: 85.5/61

- sign -90.631+/-110.588 χ^2/NDF: 39.0/31



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 385.368+/-0.083 χ^2/NDF:995821.2/13

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

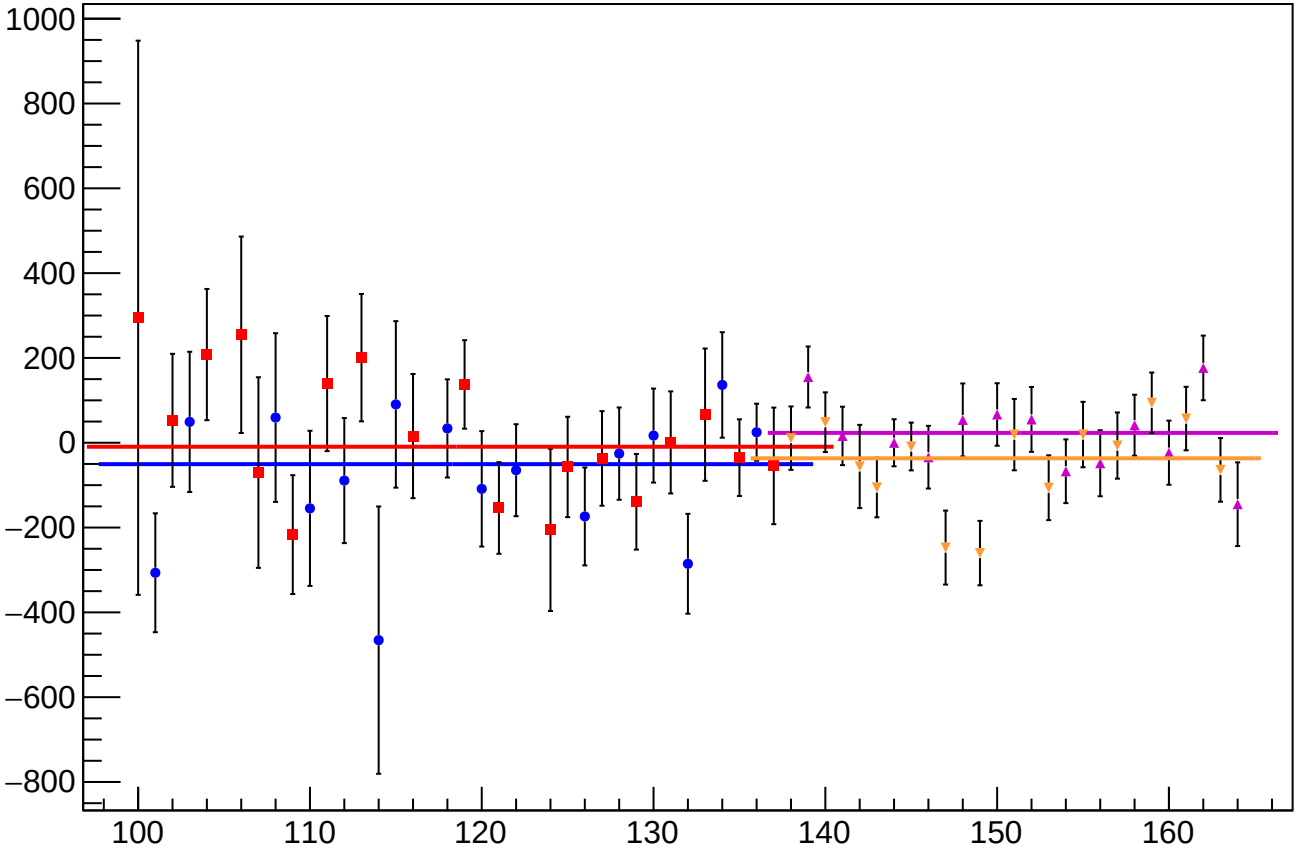
Left In: 389.035+/-0.085 χ^2/NDF:536254.4/12

+ sign 434.090+/-0.077 χ^2/NDF: 4684593.1/29

All: 437.934+/-0.055 χ^2/NDF: 9344906.2/61

- 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: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

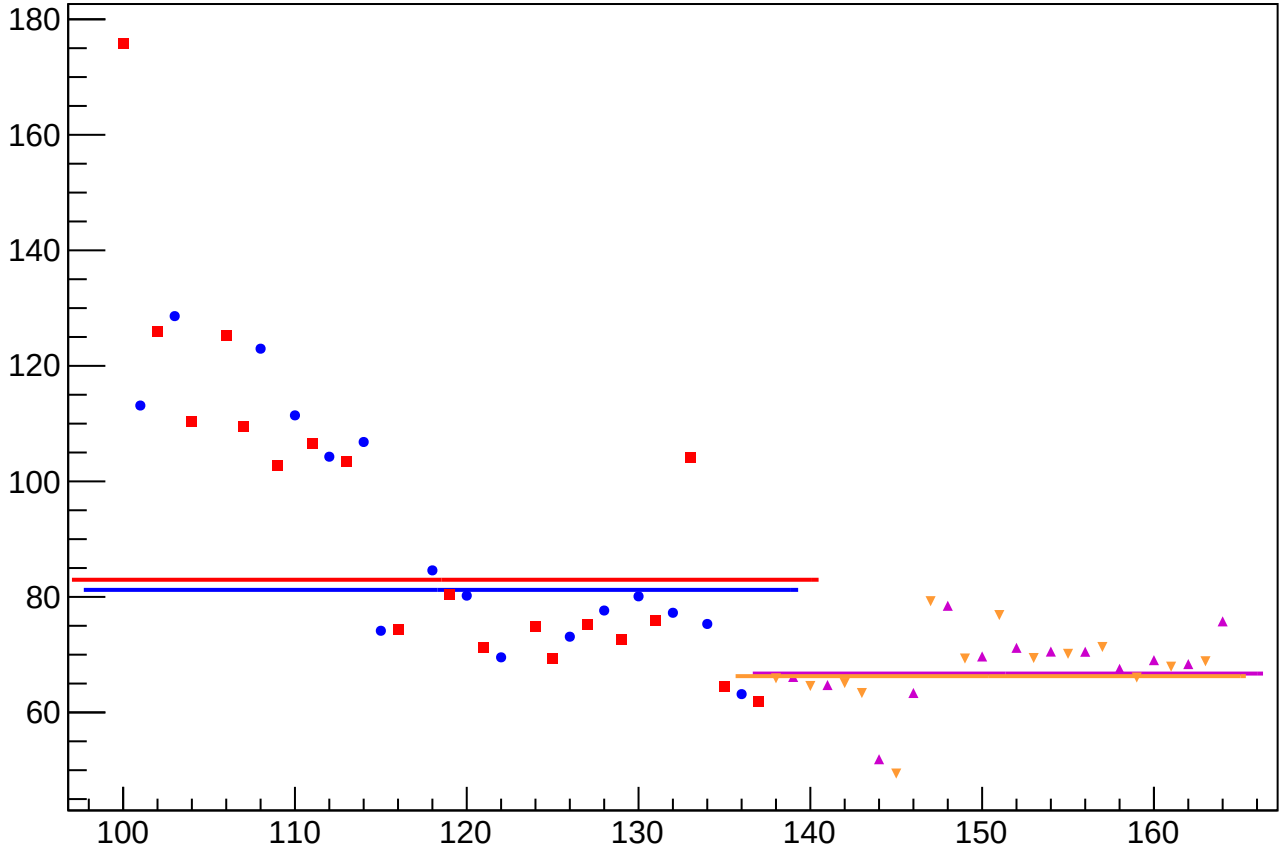
Left In: 23.249+/-20.466 χ^2/NDF:14.5/12

+ sign -40.708+/-16.808 χ^2/NDF: 41.2/29

All: -14.127+/-11.993 χ^2/NDF: 77.1/61

- 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: 66.282+/-0.014 χ^2/NDF:283163.4/13

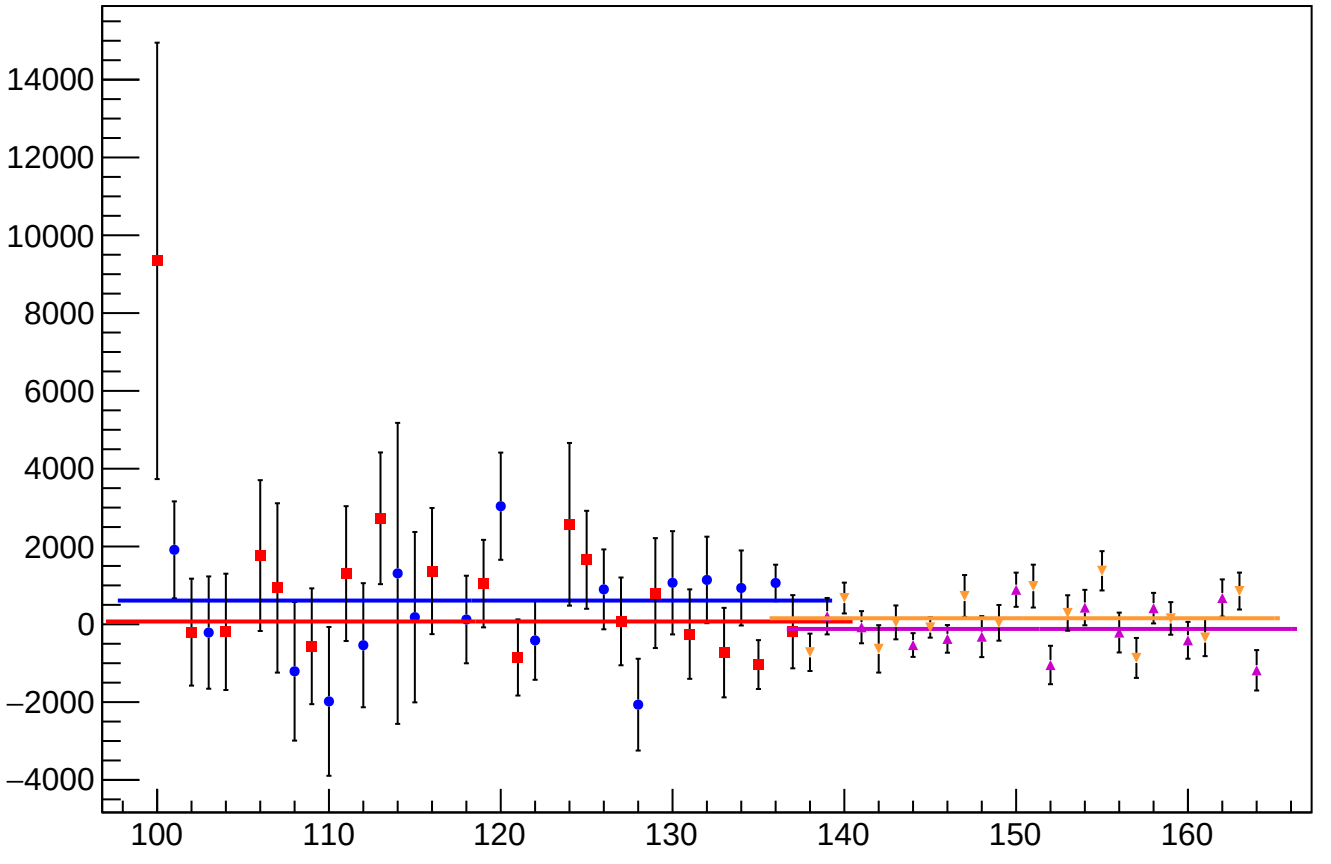
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.728+/-0.014 χ^2/NDF:226008.9/12

+ sign 70.655+/-0.012 χ^2/NDF: 1273030.0/29

All: 71.123+/-0.008 χ^2/NDF: 2610928.6/61

- 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: 155.920+/-118.087 χ^2/NDF:24.1/13

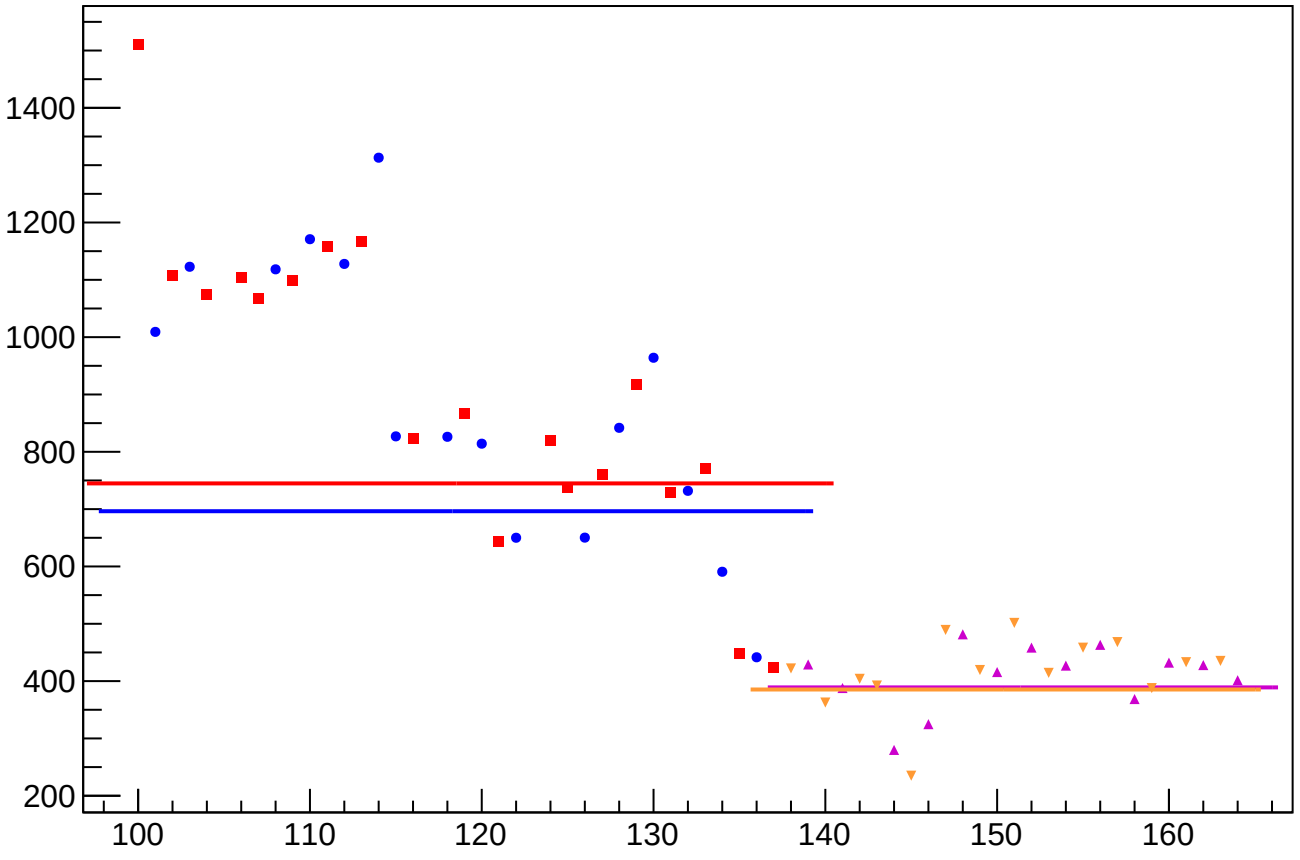
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -119.082+/-119.855 χ^2/NDF:22.5/12

+ sign 227.117+/-108.443 χ^2/NDF: 42.2/29

All: 71.355+/-77.428 χ^2/NDF: 85.5/61

- 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: 385.368+/-0.083 χ^2/NDF:995842.2/13

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

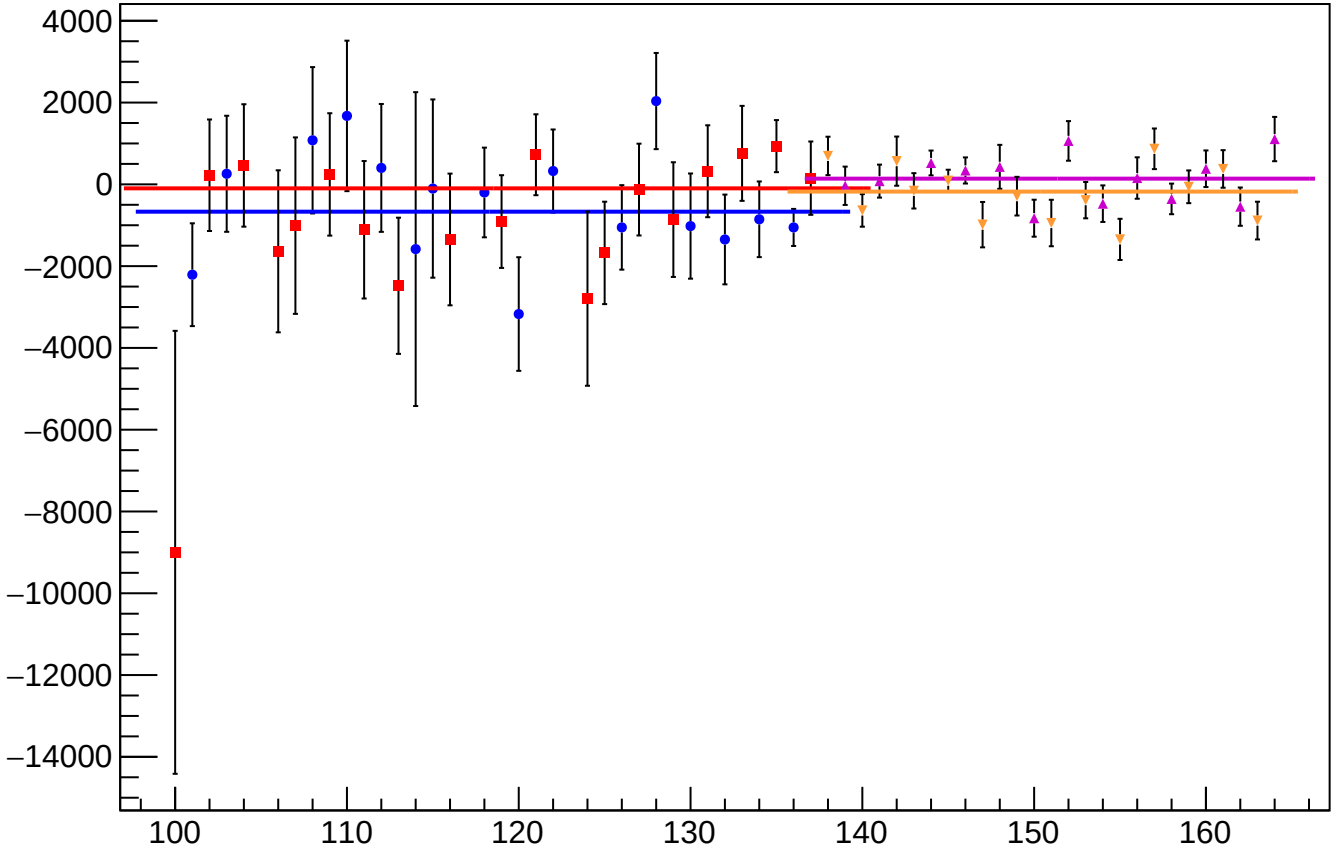
Left In: 389.036+/-0.085 χ^2/NDF:536261.9/12

+ sign 434.090+/-0.077 χ^2/NDF: 4684592.9/29

All: 437.934+/-0.055 χ^2/NDF: 9344890.9/61

- 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: -177.031+/-117.477 χ^2/NDF:25.3/13

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

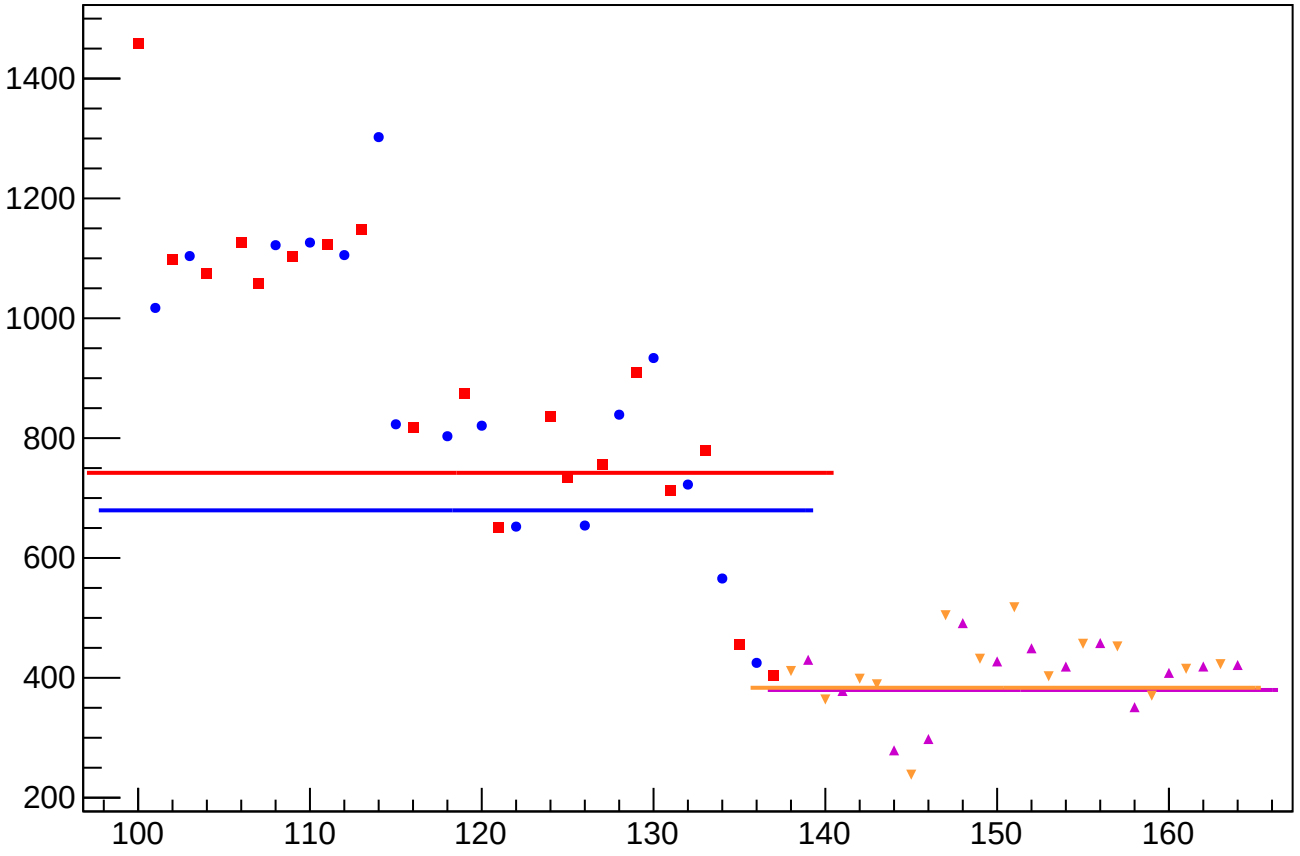
Left In: 139.473+/-117.062 χ^2/NDF:19.9/12

+ sign -256.022+/-107.623 χ^2/NDF: 44.2/29

All: -76.511+/-76.350 χ^2/NDF: 85.1/61

- 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: 383.438+/-0.083 χ^2/NDF:937913.4/13

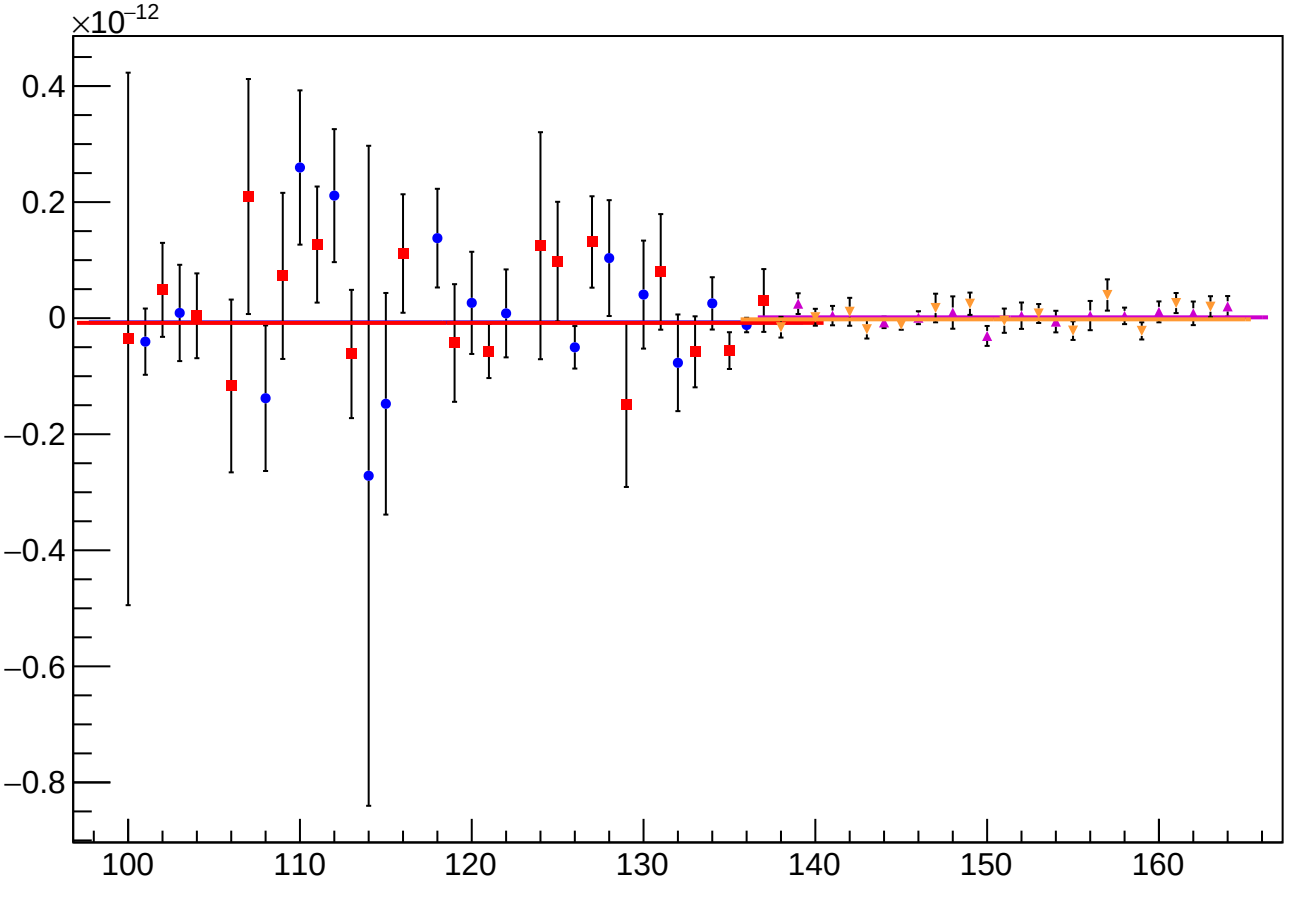
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 379.749+/-0.083 χ^2/NDF:633079.8/12

+ sign 431.017+/-0.076 χ^2/NDF: 4579981.2/29

All: 431.395+/-0.054 χ^2/NDF: 9468871.4/61

- 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:15.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

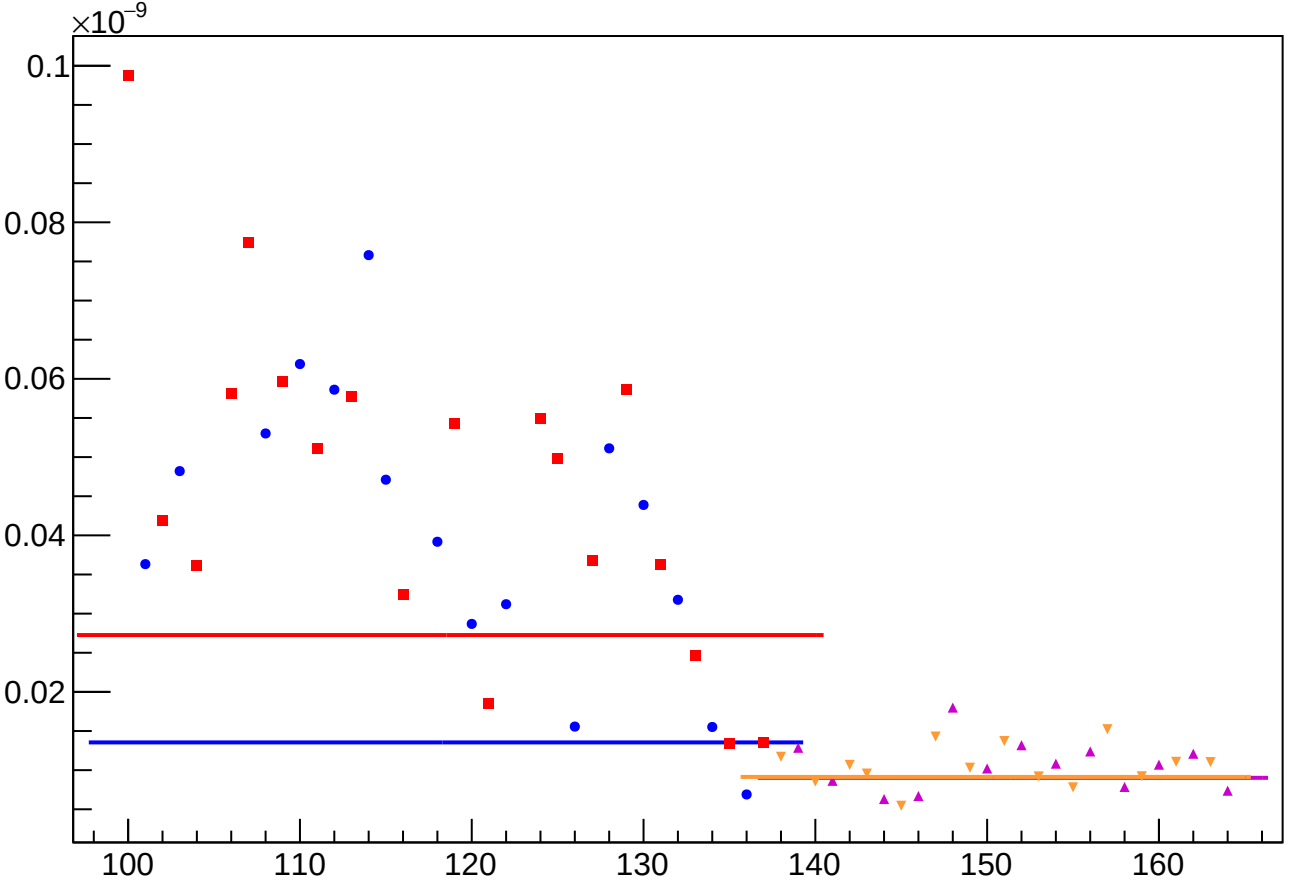
Left In: 0.000+/-0.000 χ^2/NDF:7.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/29

All: -0.000+/-0.000 χ^2/NDF: 58.9/61

- sign 0.000+/-0.000 χ^2/NDF: 25.2/31

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:759608.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

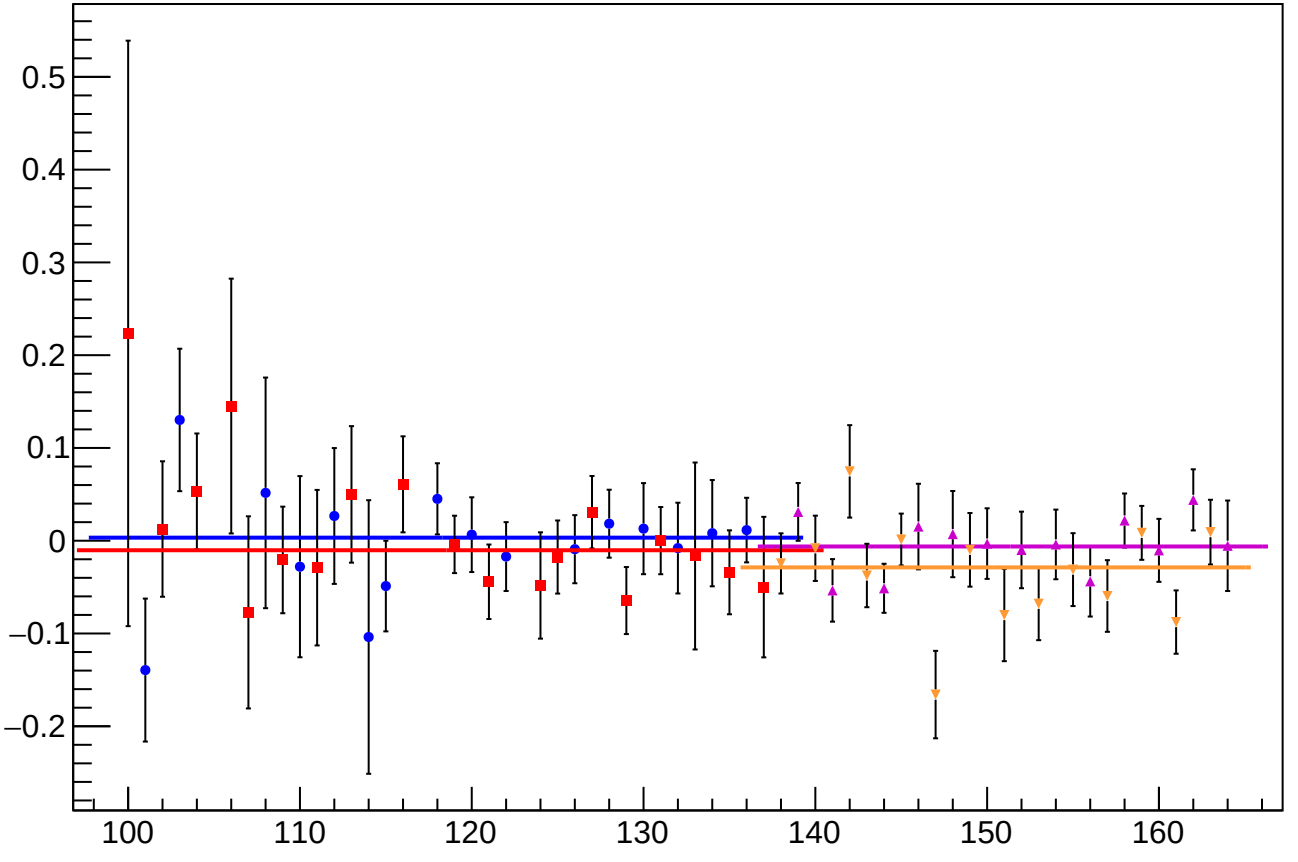
Left In: 0.000+/-0.000 χ^2/NDF:763983.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 4107966.5/29

All: 0.000+/-0.000 χ^2/NDF: 8695744.9/61

- sign 0.000+/-0.000 χ^2/NDF: 4579453.2/31

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

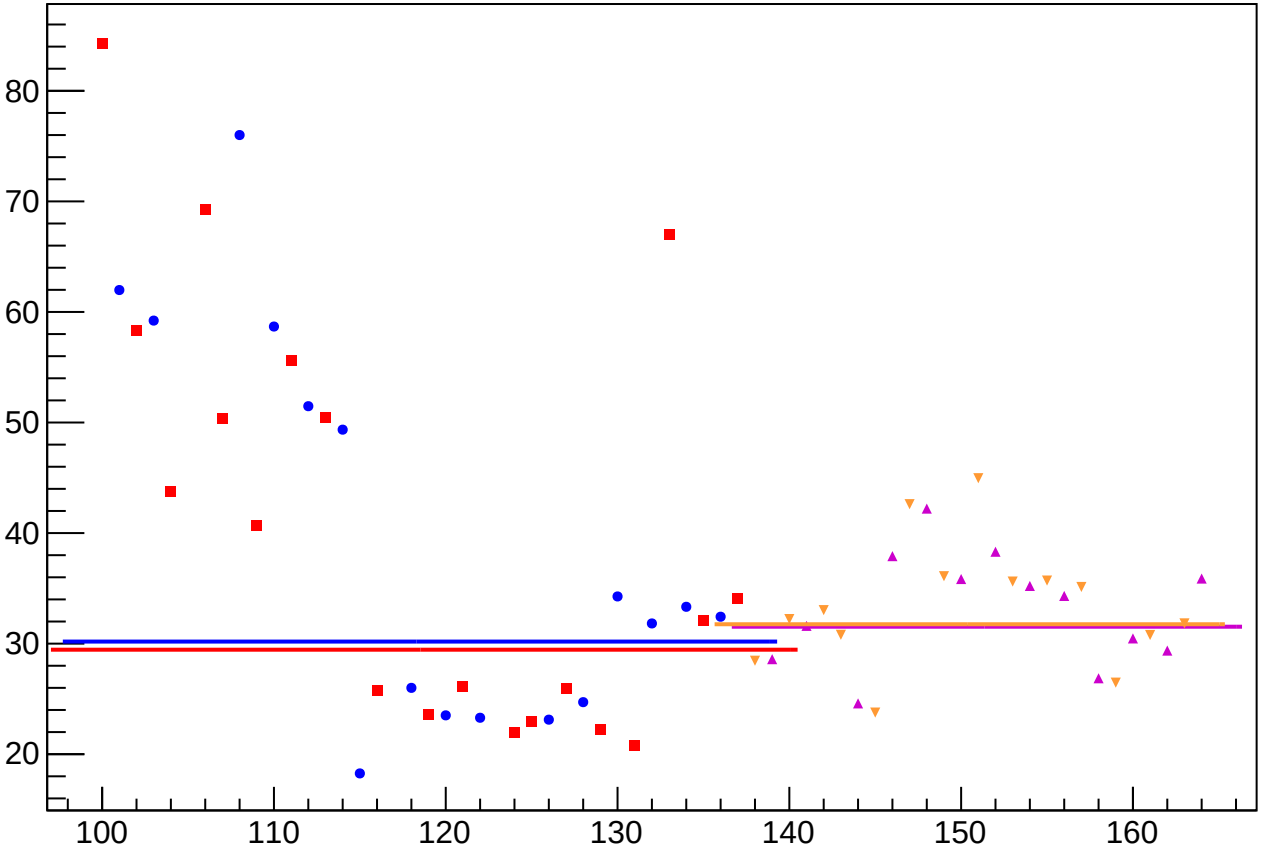
Left In: -0.006+/-0.010 χ^2/NDF:10.9/12

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/61

- sign -0.008+/-0.008 χ^2/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: 31.754+/-0.007 χ^2/NDF:580942.2/13

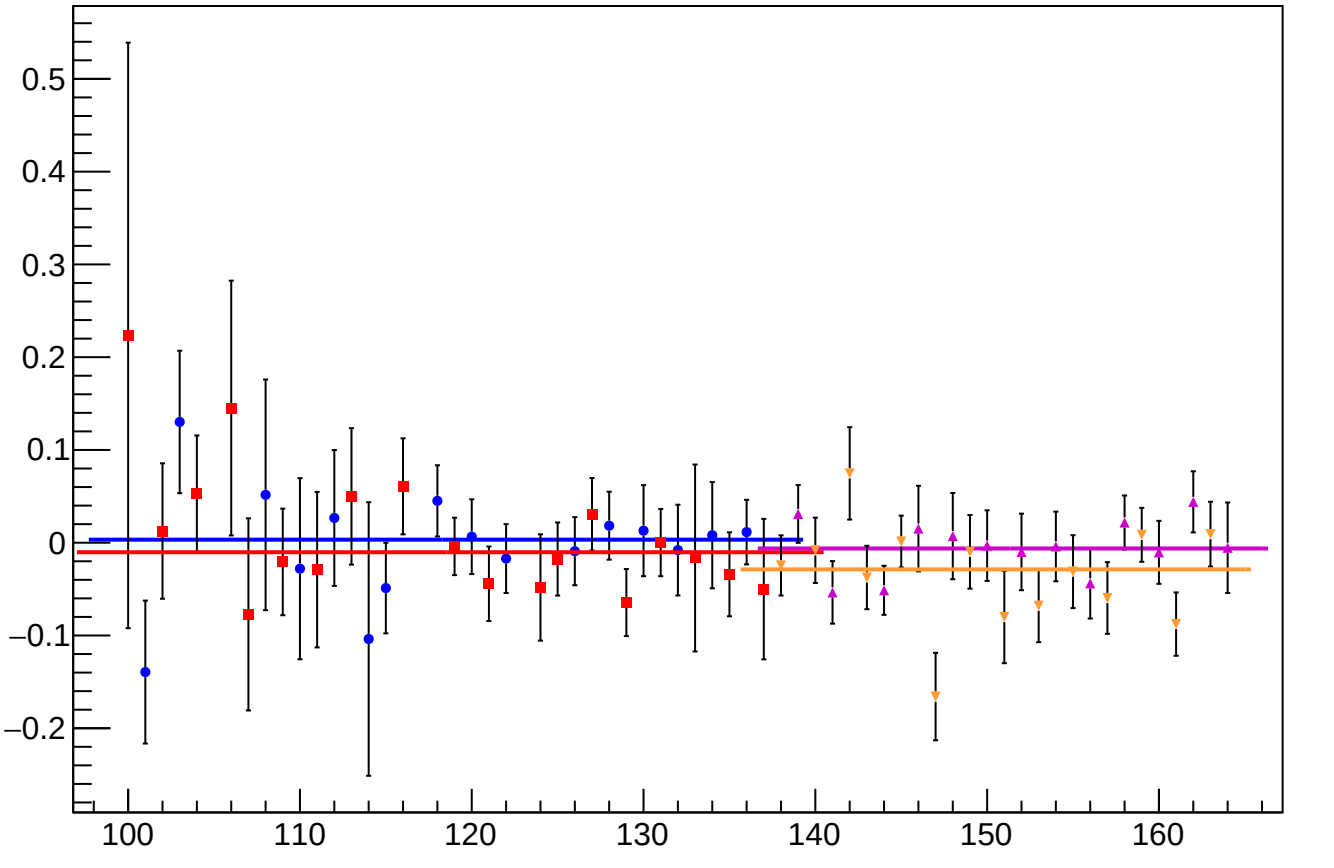
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

+ sign 31.151+/-0.005 χ^2/NDF: 2288353.3/29

All: 30.914+/-0.004 χ^2/NDF: 4664421.0/61

- 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: -0.029+/-0.010 χ^2/NDF:23.1/13

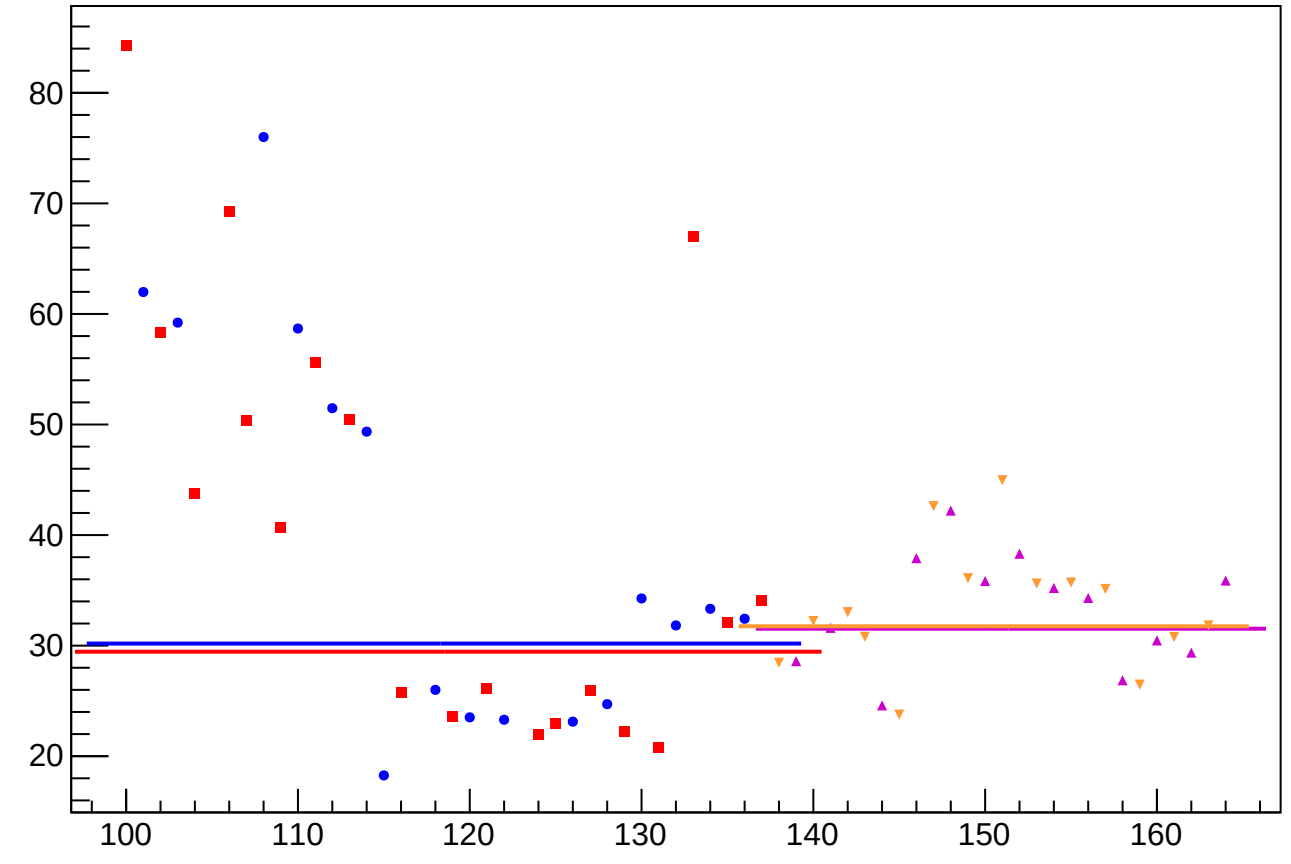
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.006+/-0.010 χ^2/NDF:10.9/12

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/61

- sign -0.008+/-0.008 χ^2/NDF: 22.2/31



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

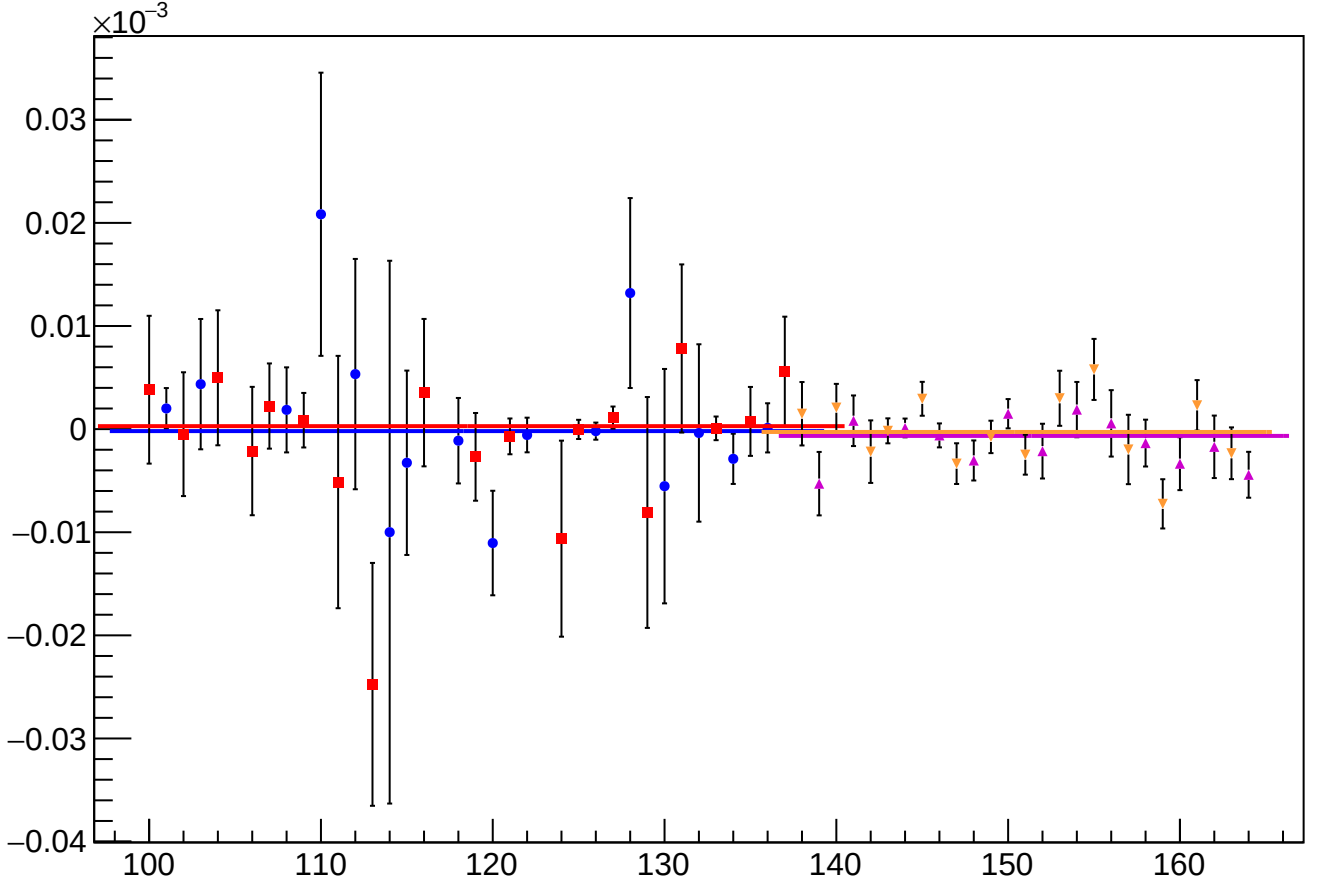
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

+ sign 31.151+/-0.005 χ^2/NDF: 2288353.3/29

All: 30.914+/-0.004 χ^2/NDF: 4664421.0/61

- sign 30.680+/-0.005 χ^2/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:25.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

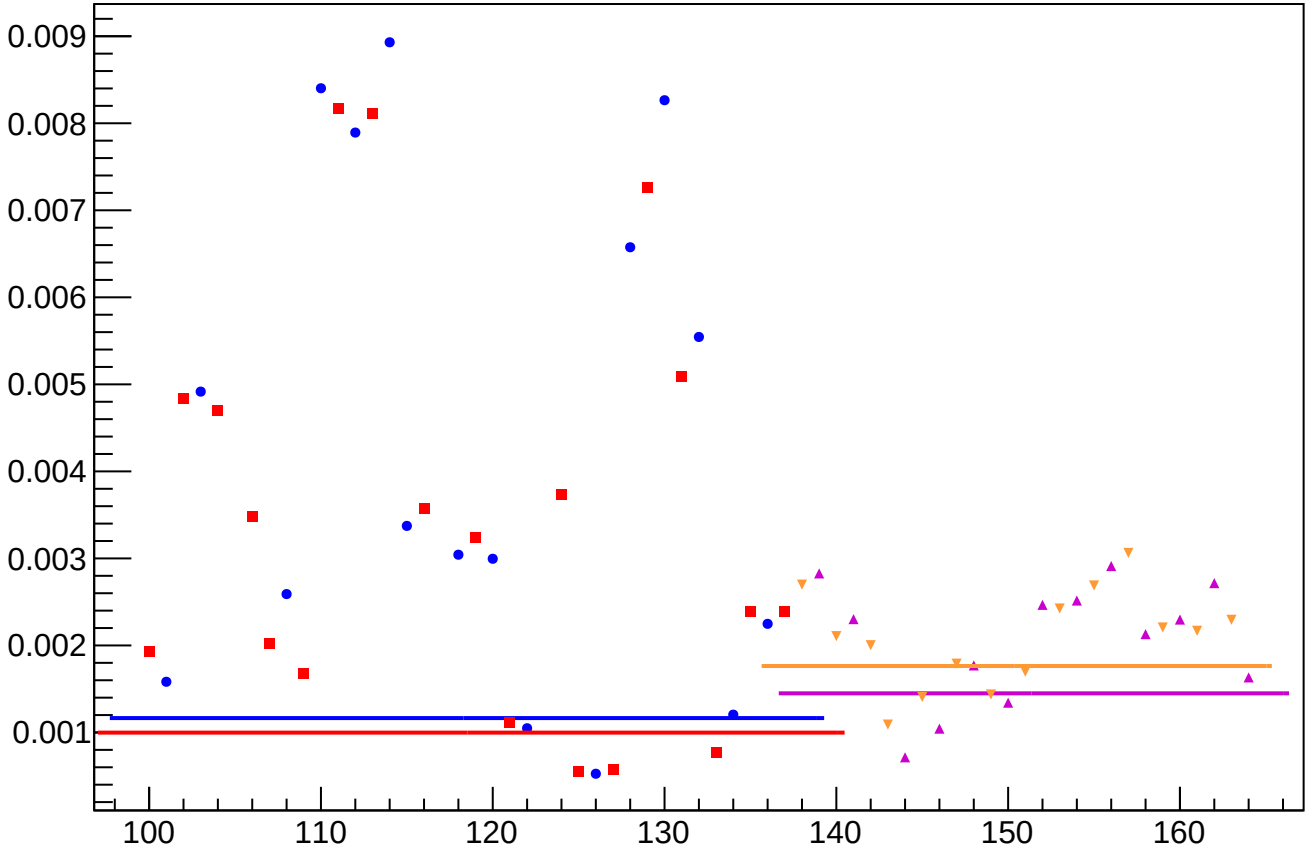
Left In: -0.000+/-0.000 χ^2/NDF:12.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/29

All: -0.000+/-0.000 χ^2/NDF: 64.6/61

- sign -0.000+/-0.000 χ^2/NDF: 25.8/31

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1871027.1/13

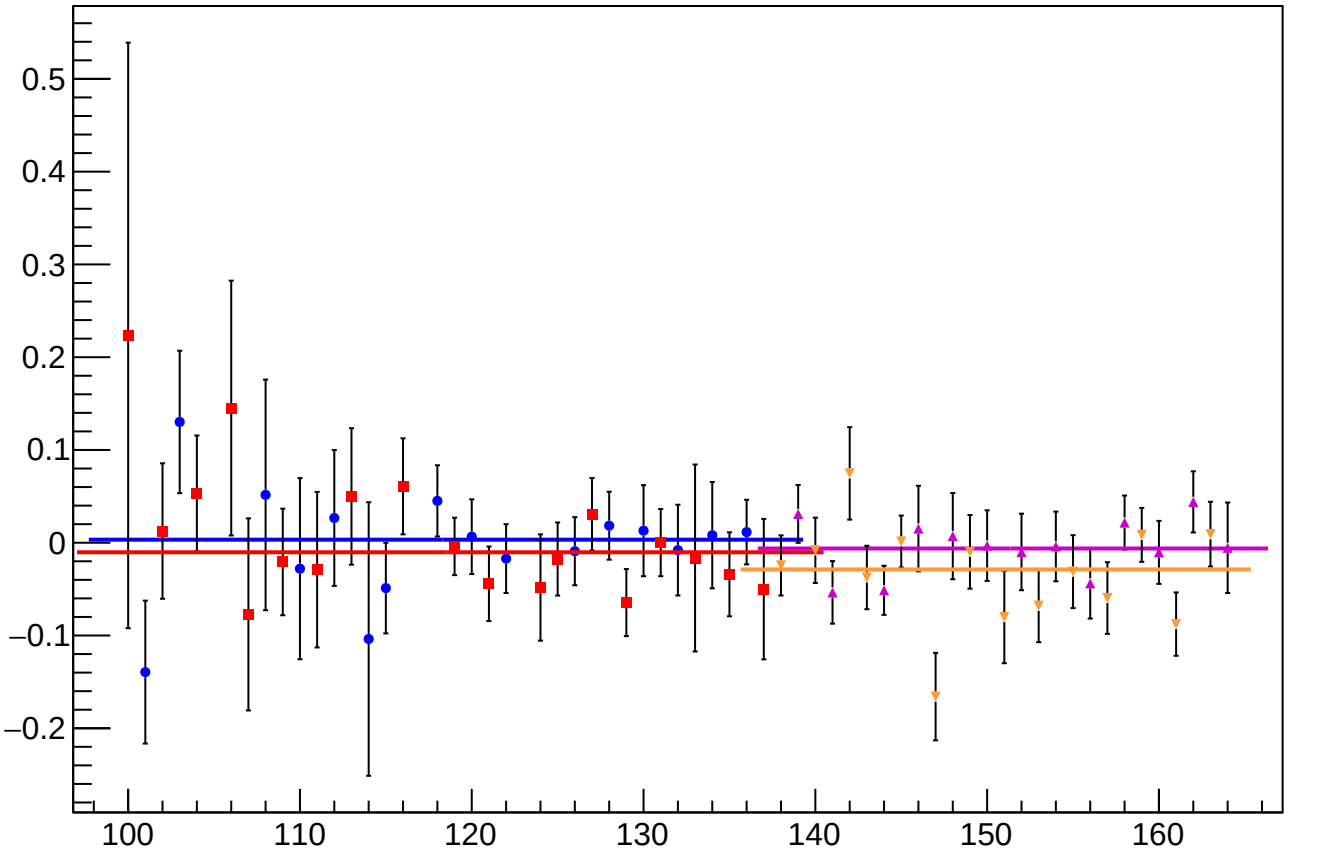
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4039761.5/12

+ sign 0.001+/-0.000 χ^2/NDF: 9793977.6/29

All: 0.001+/-0.000 χ^2/NDF: 22000253.0/61

- sign 0.001+/-0.000 χ^2/NDF: 11758172.8/31



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

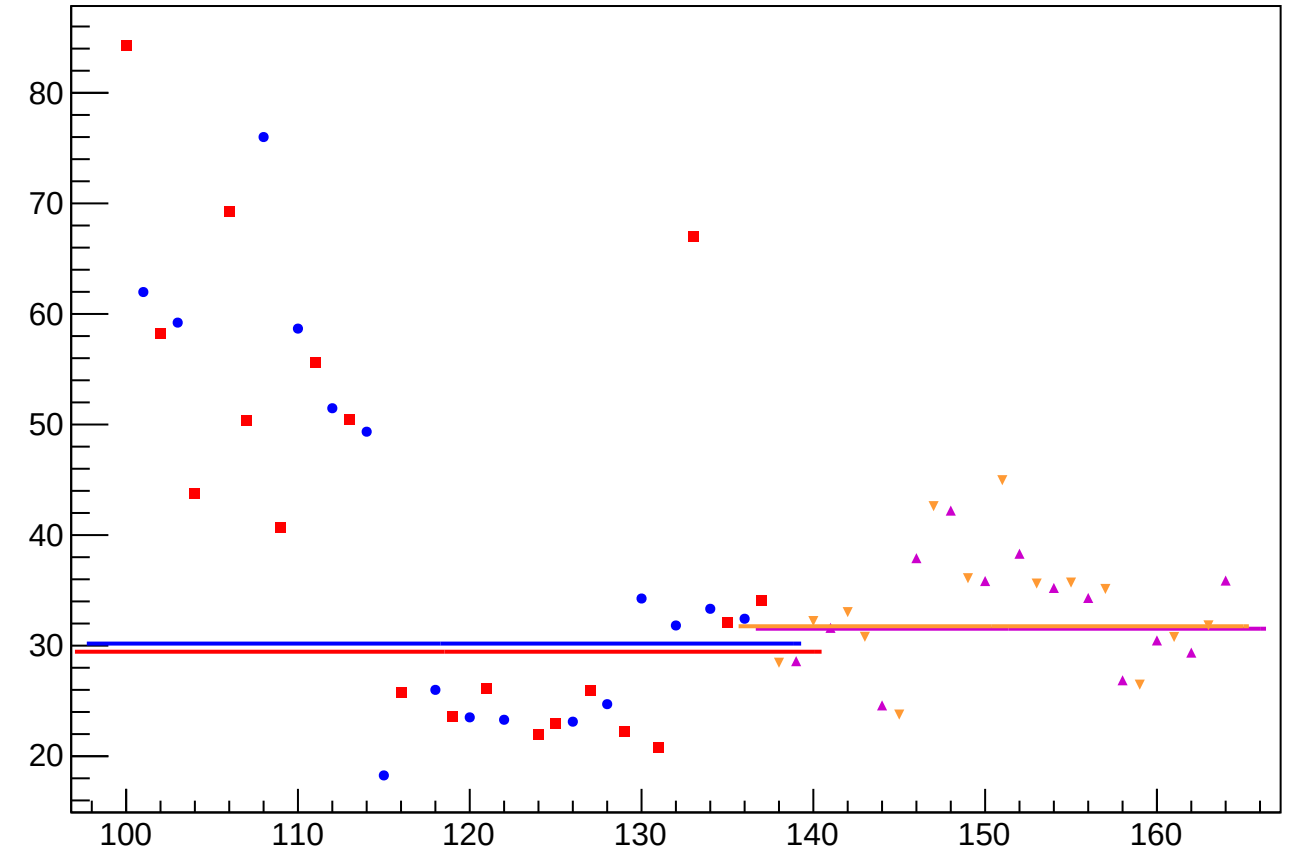
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.006+/-0.010 χ^2/NDF:10.9/12

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/61

- sign -0.008+/-0.008 χ^2/NDF: 22.2/31



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

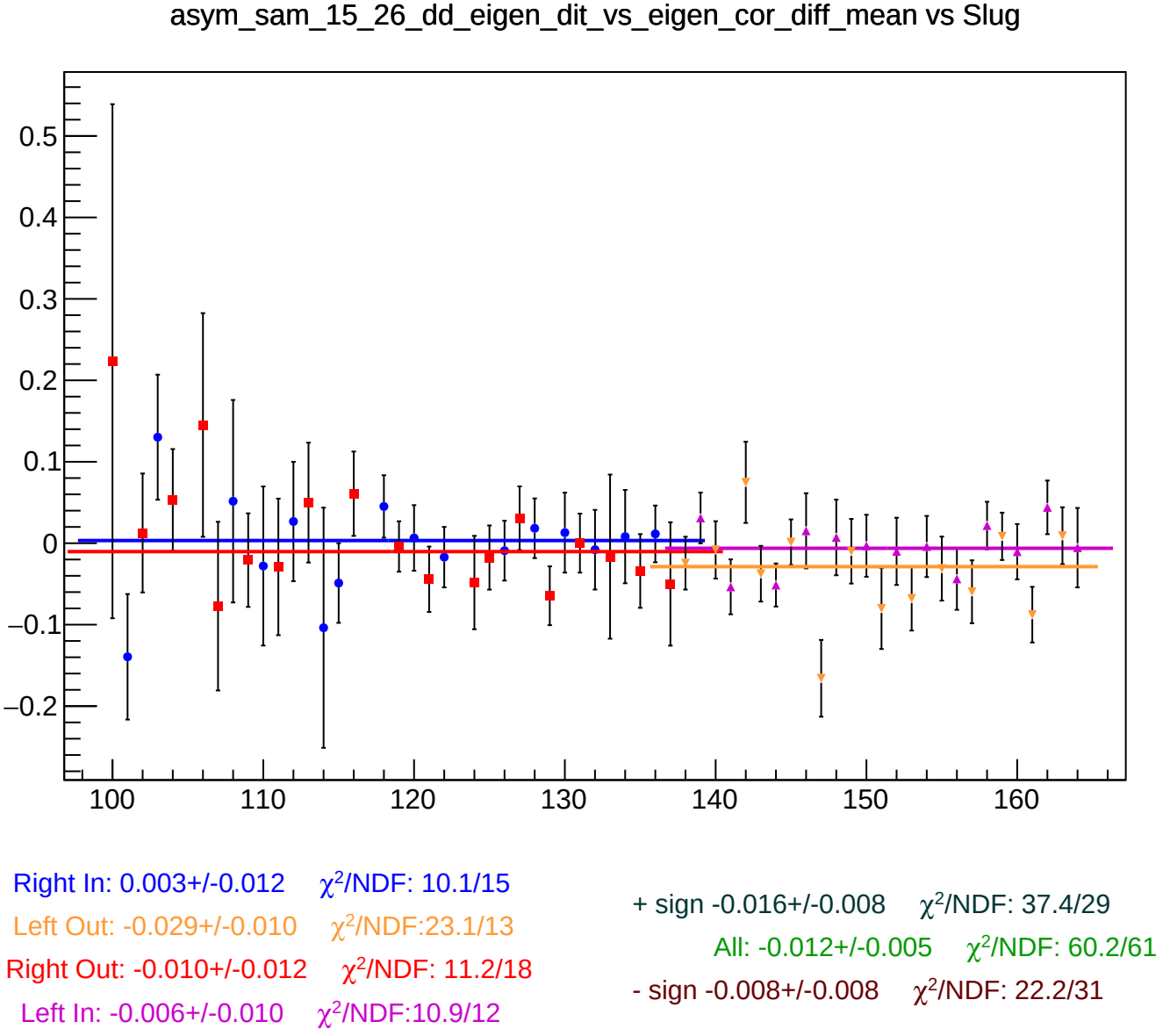
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

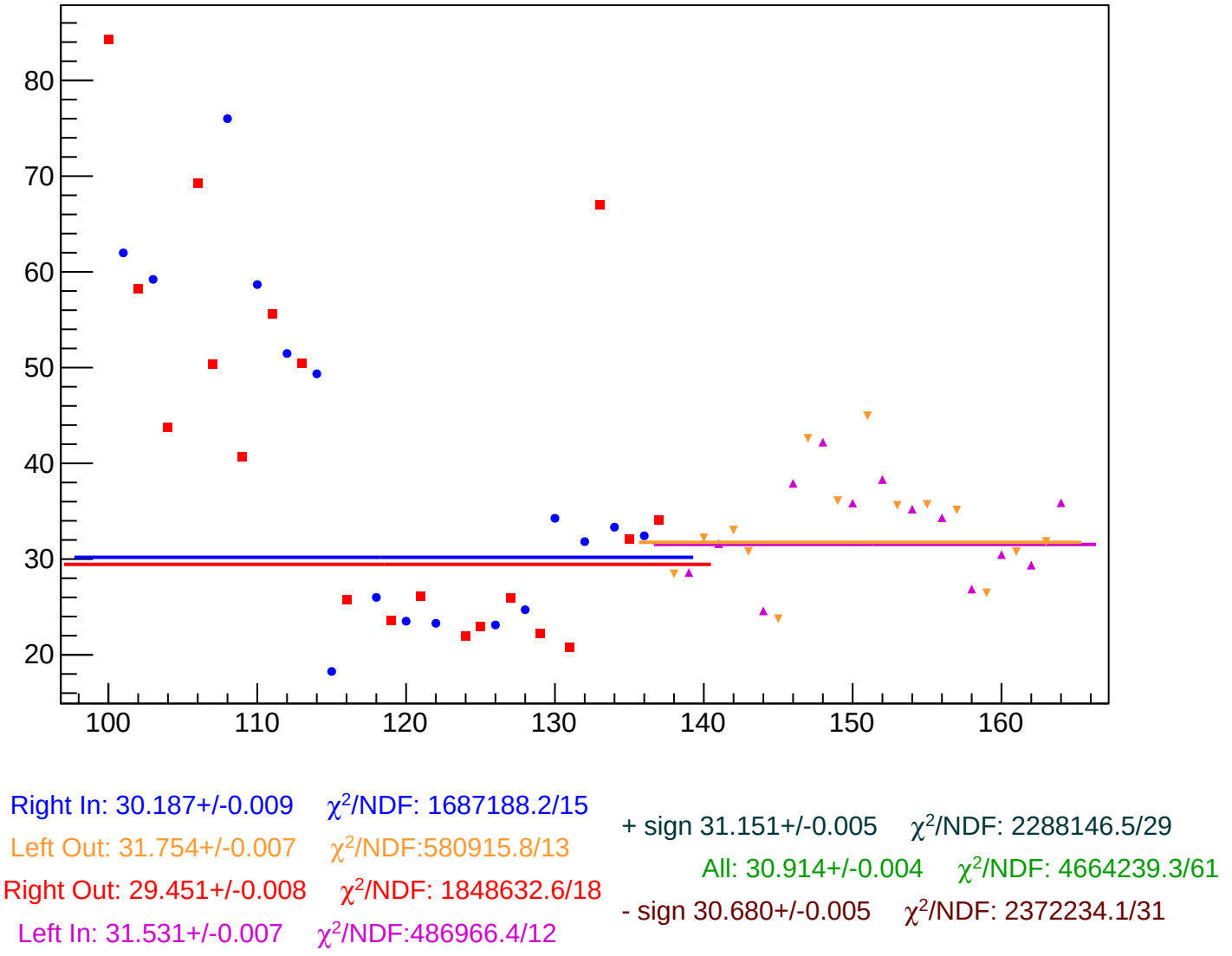
Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

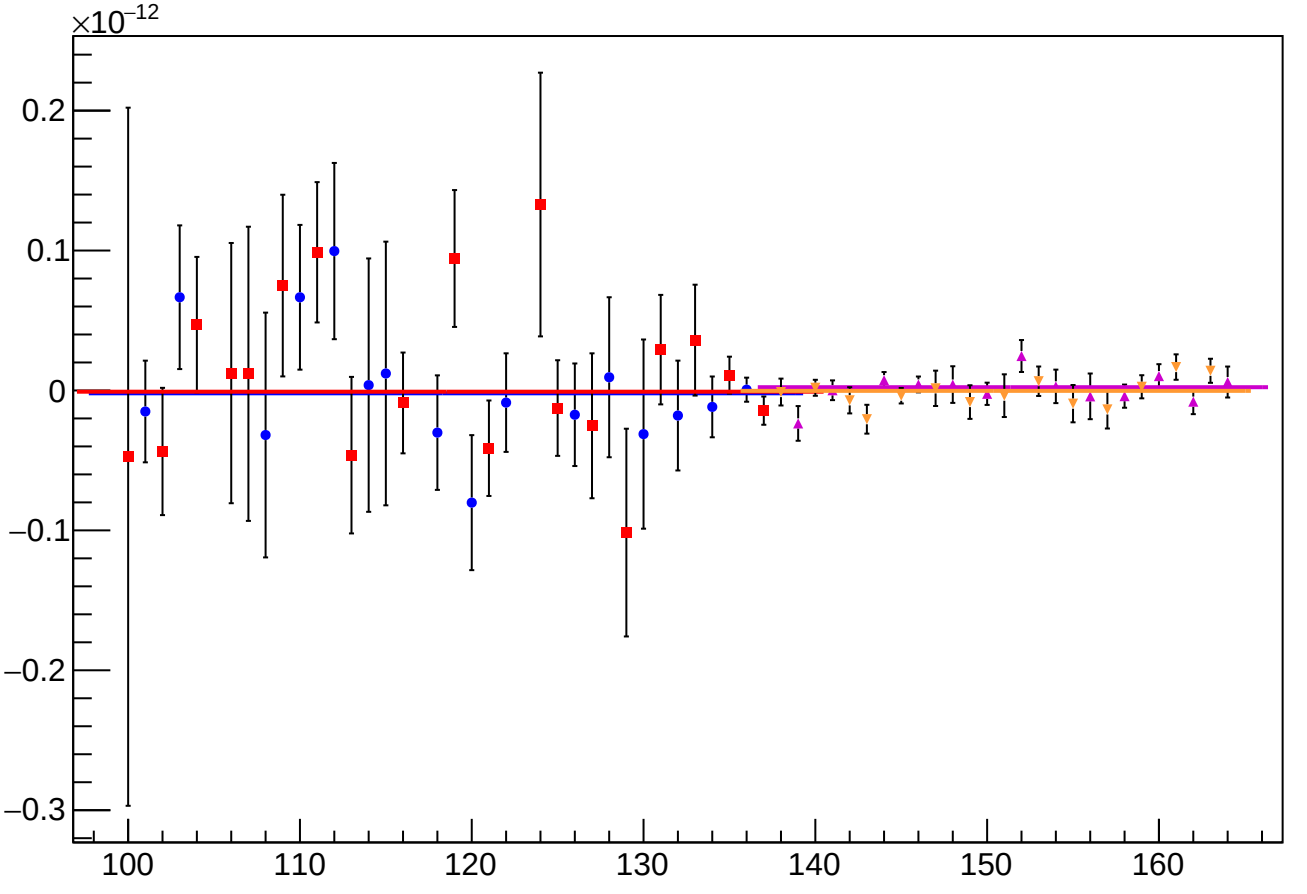
\+ sign 31.151+/-0.005 χ^2/NDF: 2288146.5/29

All: 30.914+/-0.004 χ^2/NDF: 4664239.3/61

\- sign 30.680+/-0.005 χ^2/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: -0.029+/-0.010 χ²/NDF:23.1/13
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: 37.4/29
All: -0.012+/-0.005 χ²/NDF: 60.2/61
- sign -0.008+/-0.008 χ²/NDF: 22.2/31


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.754+/-0.007 χ²/NDF:580915.8/13
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.531+/-0.007 χ²/NDF:486966.4/12
+ sign 31.151+/-0.005 χ²/NDF: 2288146.5/29
All: 30.914+/-0.004 χ²/NDF: 4664239.3/61
- sign 30.680+/-0.005 χ²/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:13.7/13

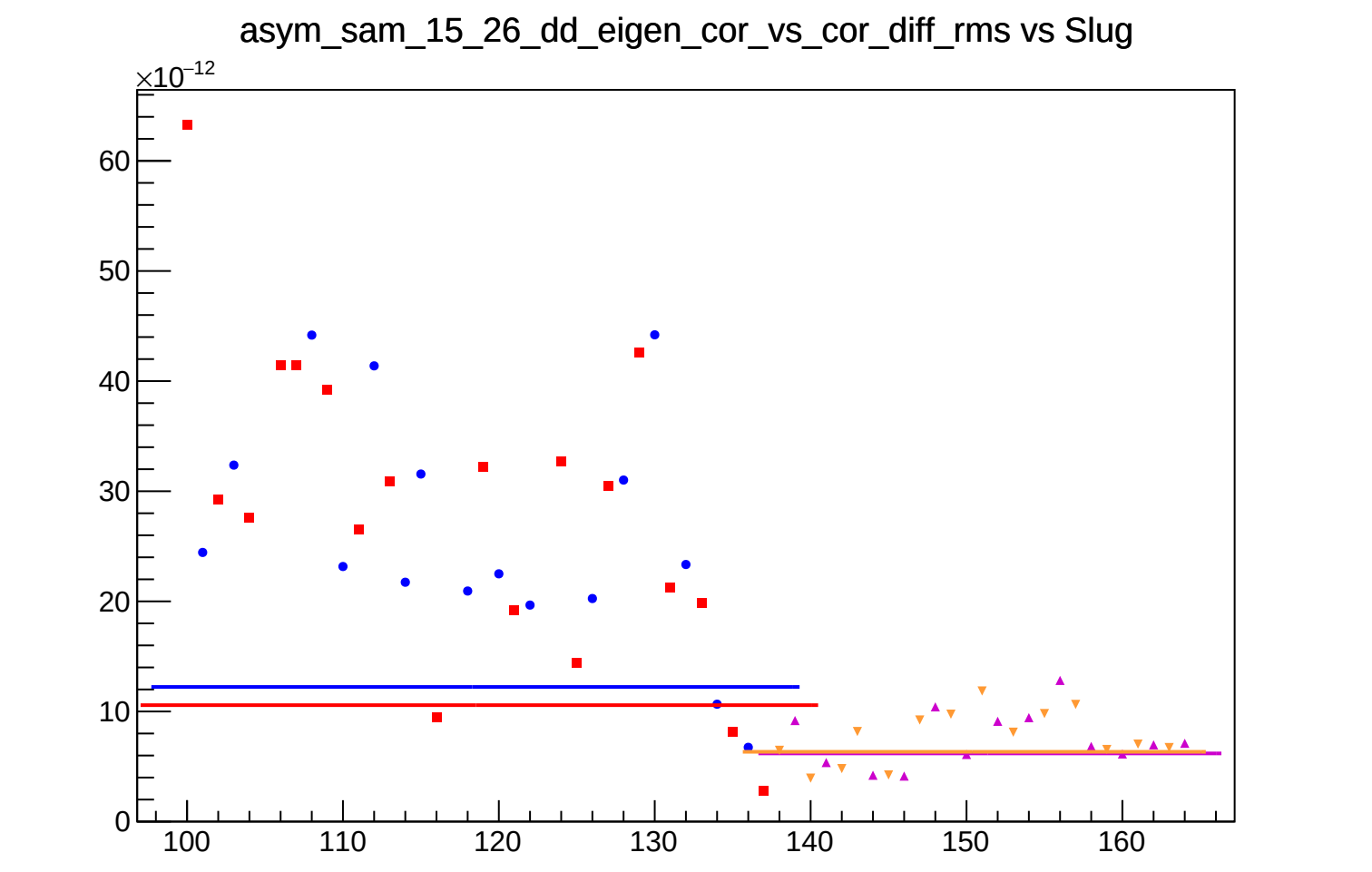
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 58.9/61

- sign 0.000+/-0.000 χ^2/NDF: 34.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

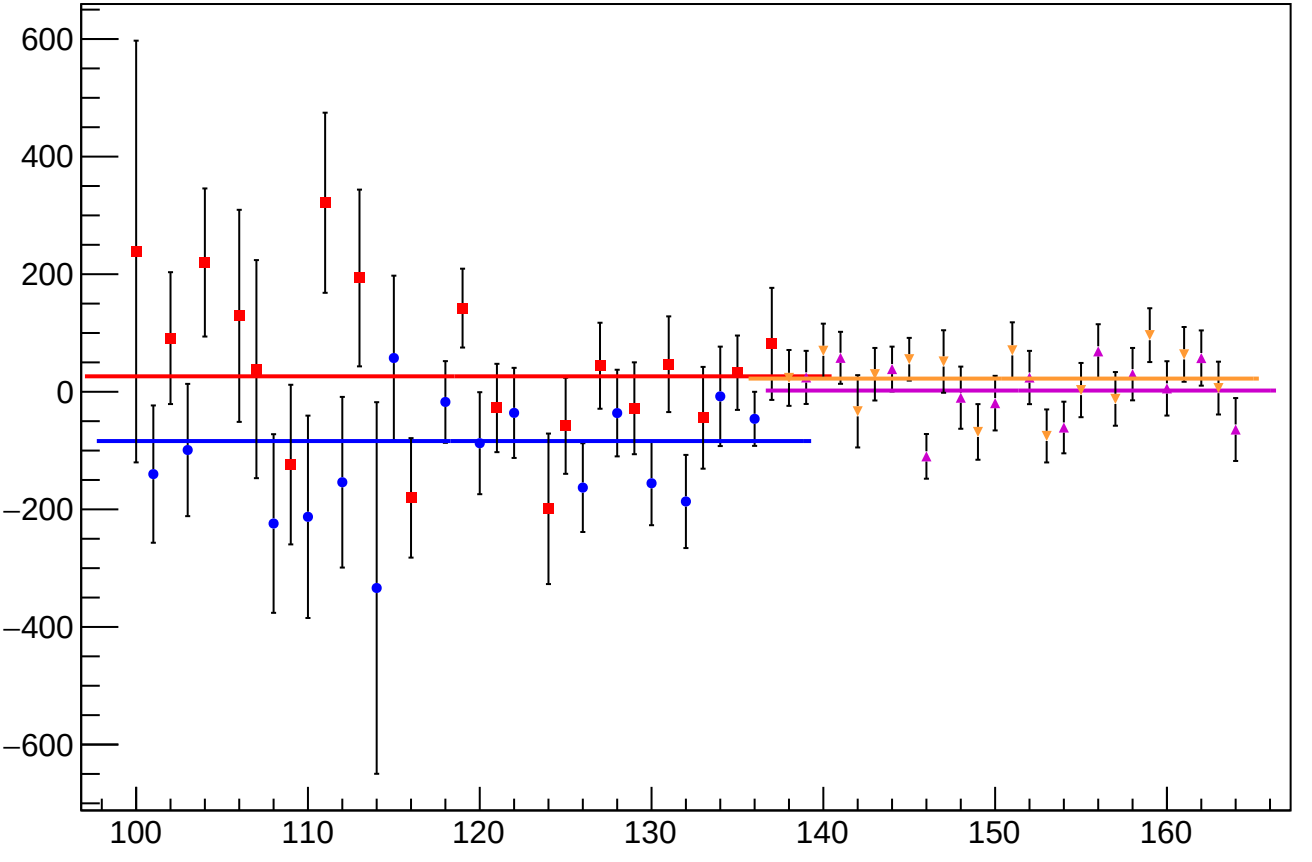
Left In: 0.000+/-0.000 χ^2/NDF:1494649.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 6458378.8/29

All: 0.000+/-0.000 χ^2/NDF: 13509039.7/61

- sign 0.000+/-0.000 χ^2/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: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

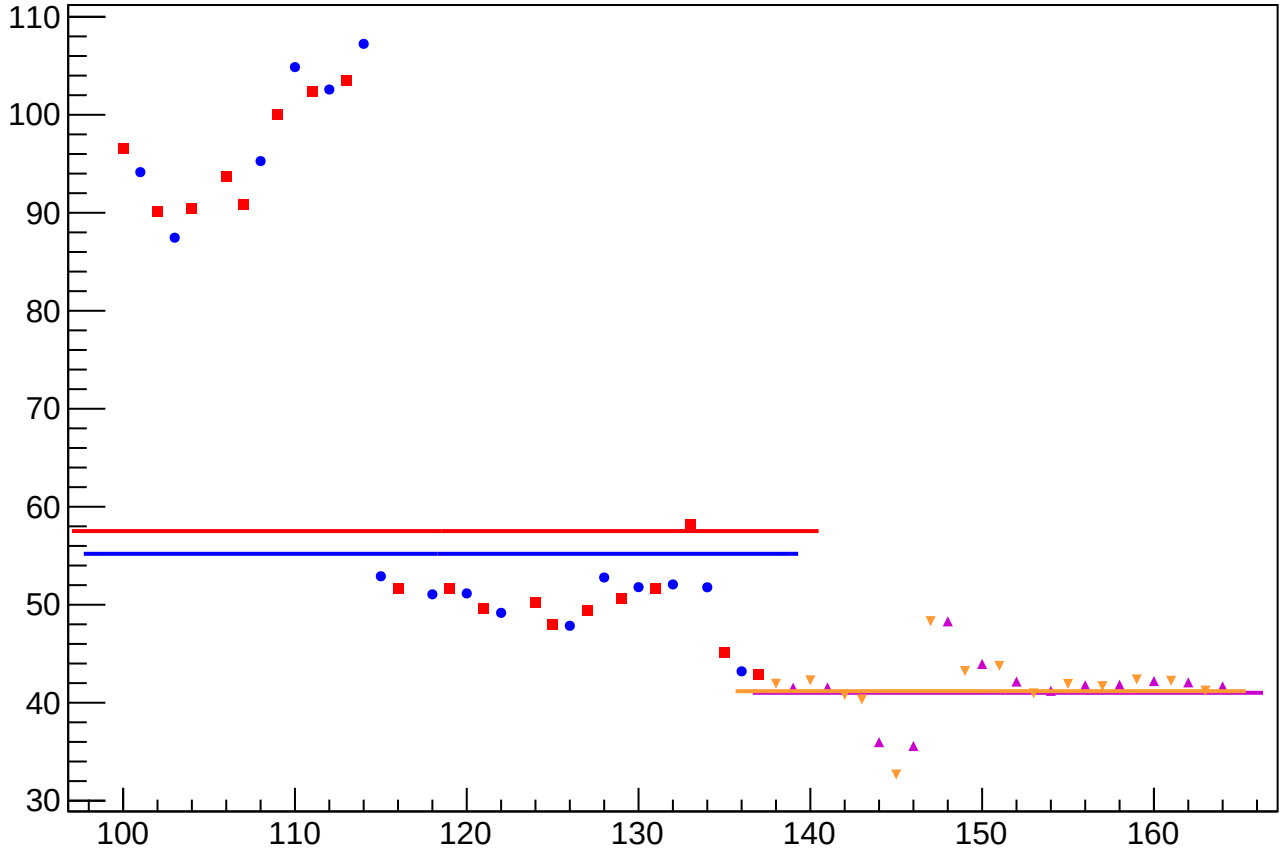
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

+ sign -4.054+/-10.704 χ^2/NDF: 45.6/29

All: 1.868+/-7.617 χ^2/NDF: 89.5/61

- 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: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

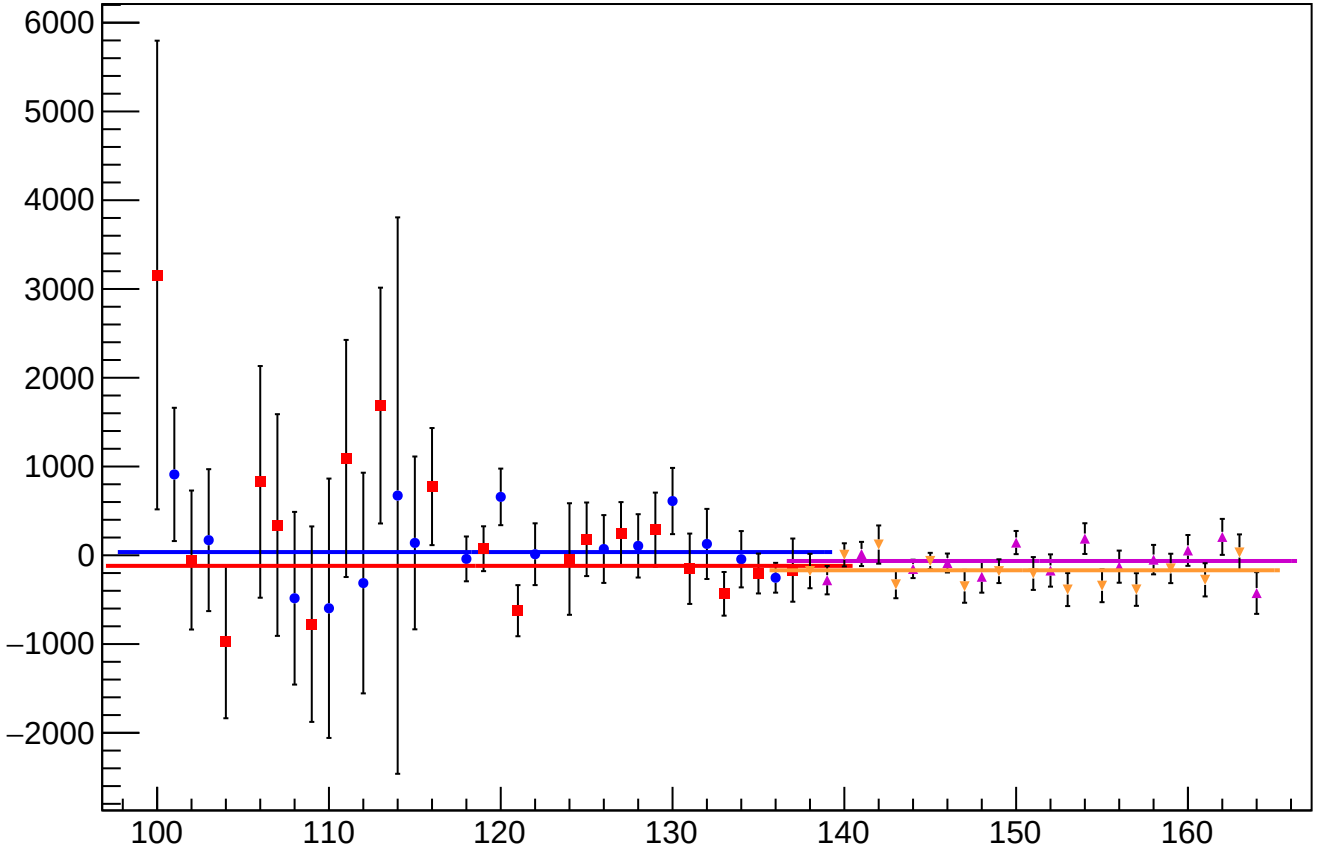
Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

+ sign 44.676+/-0.008 χ^2/NDF: 1955677.7/29

All: 44.835+/-0.005 χ^2/NDF: 4214856.3/61

- 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: -168.832+/-42.310 χ^2/NDF:11.9/13

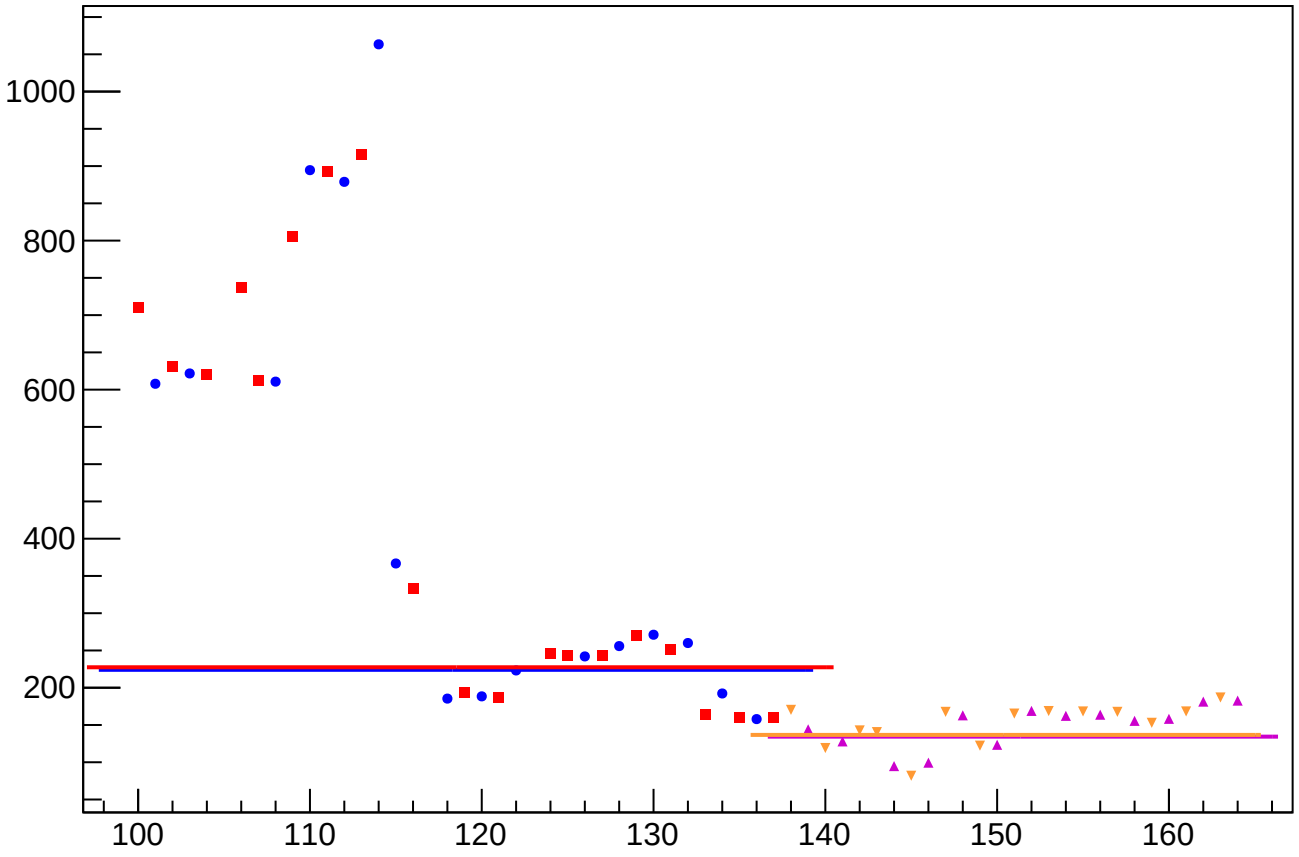
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -64.196+/-41.897 χ^2/NDF:13.7/12

+ sign -134.001+/-38.552 χ^2/NDF: 27.3/29

All: -103.380+/-27.202 χ^2/NDF: 58.5/61

- 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: 136.695+/-0.030 χ^2/NDF:1313298.9/13

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

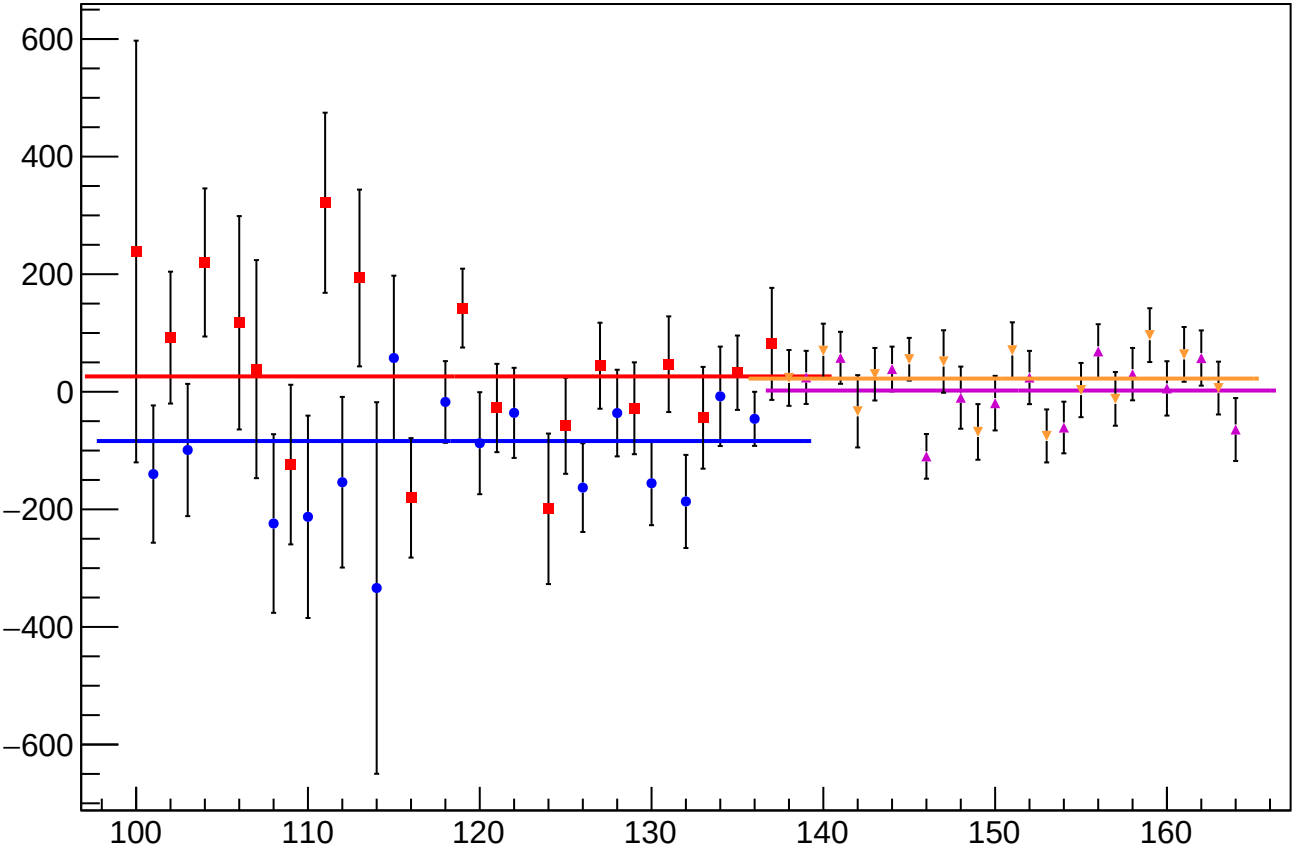
Left In: 134.364+/-0.030 χ^2/NDF:1021721.8/12

+ sign 151.525+/-0.027 χ^2/NDF: 5728488.0/29

All: 150.408+/-0.019 χ^2/NDF: 11978378.1/61

- 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: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

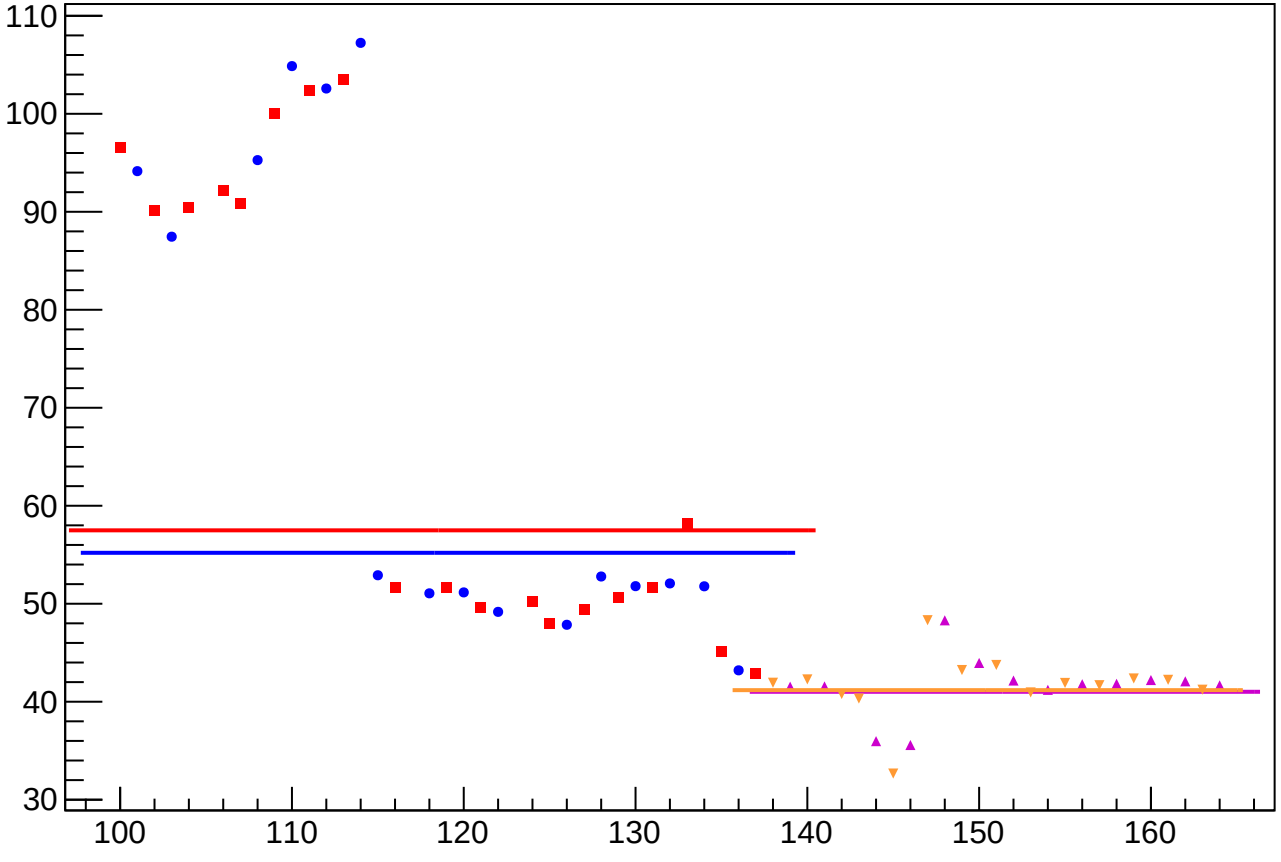
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

\+ sign -4.053+/-10.704 χ^2/NDF: 45.6/29

All: 1.849+/-7.617 χ^2/NDF: 89.5/61

\- 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: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

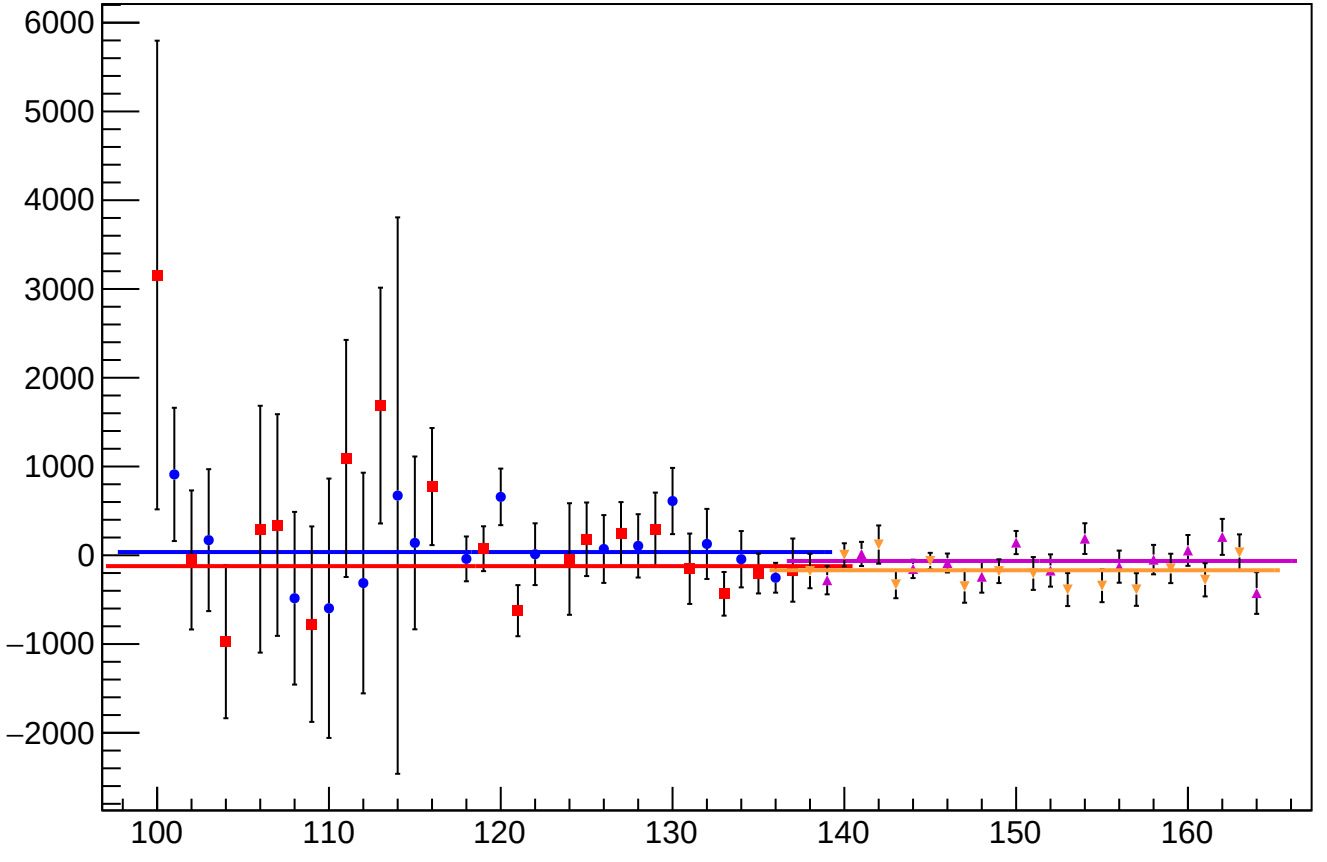
Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

+ sign 44.676+/-0.008 χ^2/NDF: 1955678.0/29

All: 44.831+/-0.005 χ^2/NDF: 4204319.3/61

- 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: -168.834+/-42.310 χ^2/NDF:11.9/13

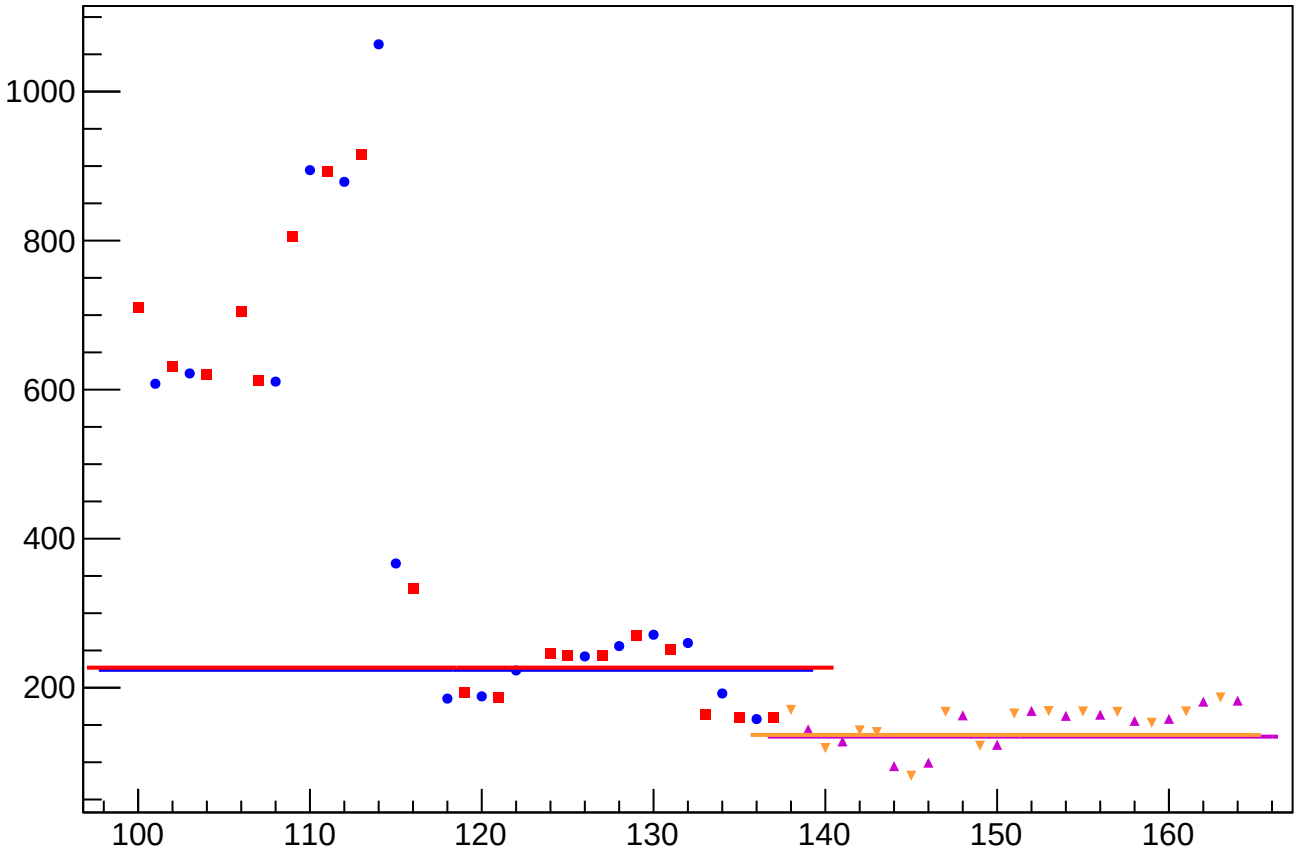
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -64.195+/-41.897 χ^2/NDF:13.7/12

+ sign -134.002+/-38.552 χ^2/NDF: 27.3/29

All: -103.631+/-27.203 χ^2/NDF: 58.1/61

- 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: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

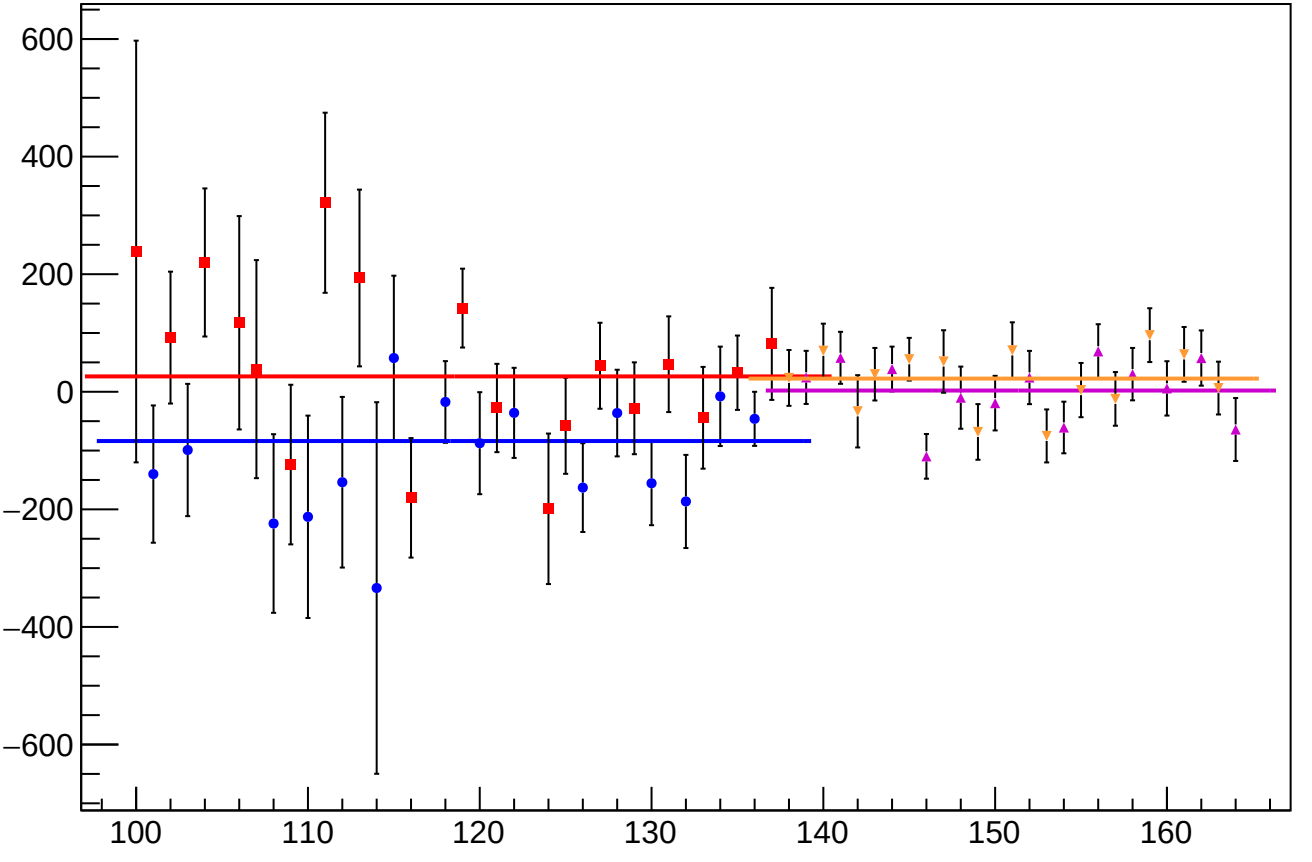
Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

+ sign 151.525+/-0.027 χ^2/NDF: 5728498.3/29

All: 150.366+/-0.019 χ^2/NDF: 11892822.0/61

- 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: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

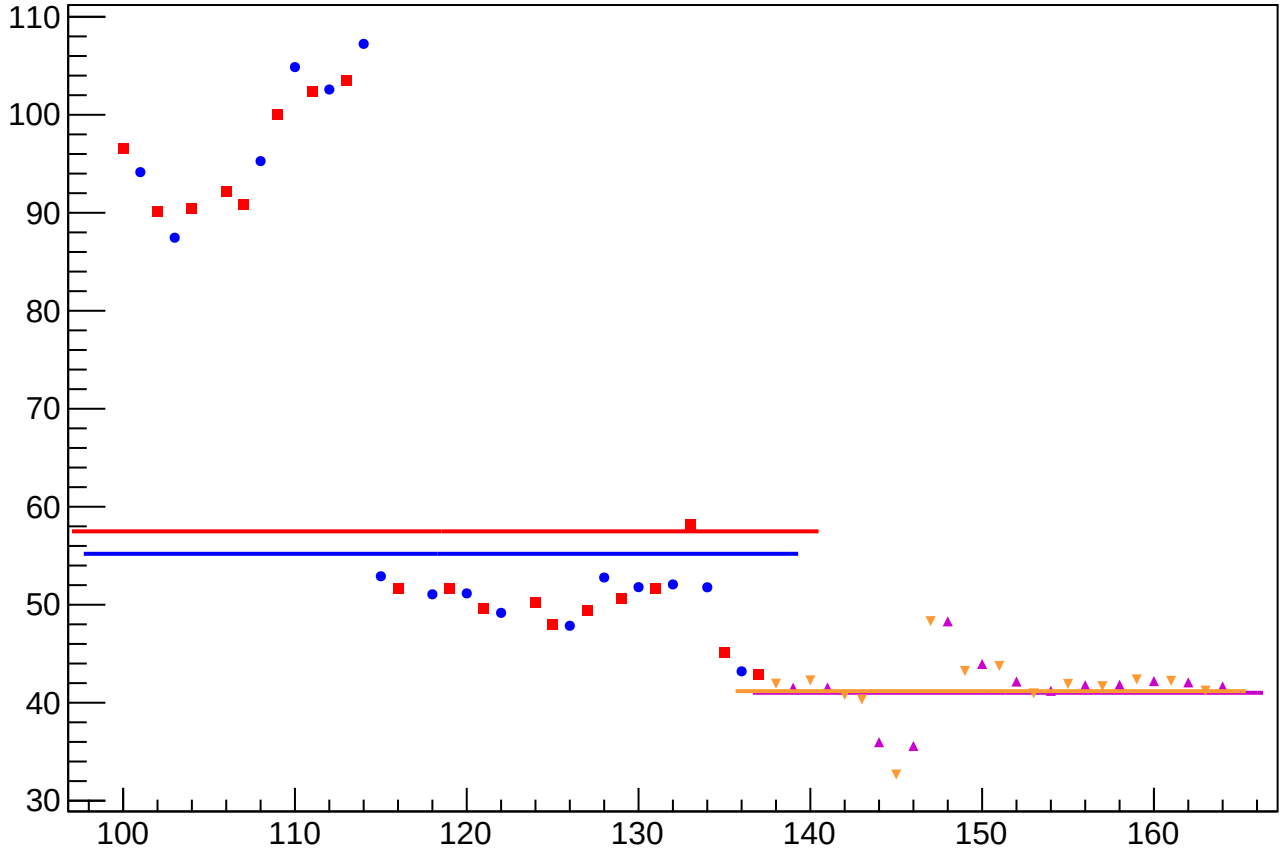
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

+ sign -4.053+/-10.704 χ^2/NDF: 45.6/29

All: 1.849+/-7.617 χ^2/NDF: 89.5/61

- 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: 41.180+/-0.009 χ^2/NDF:161068.4/13

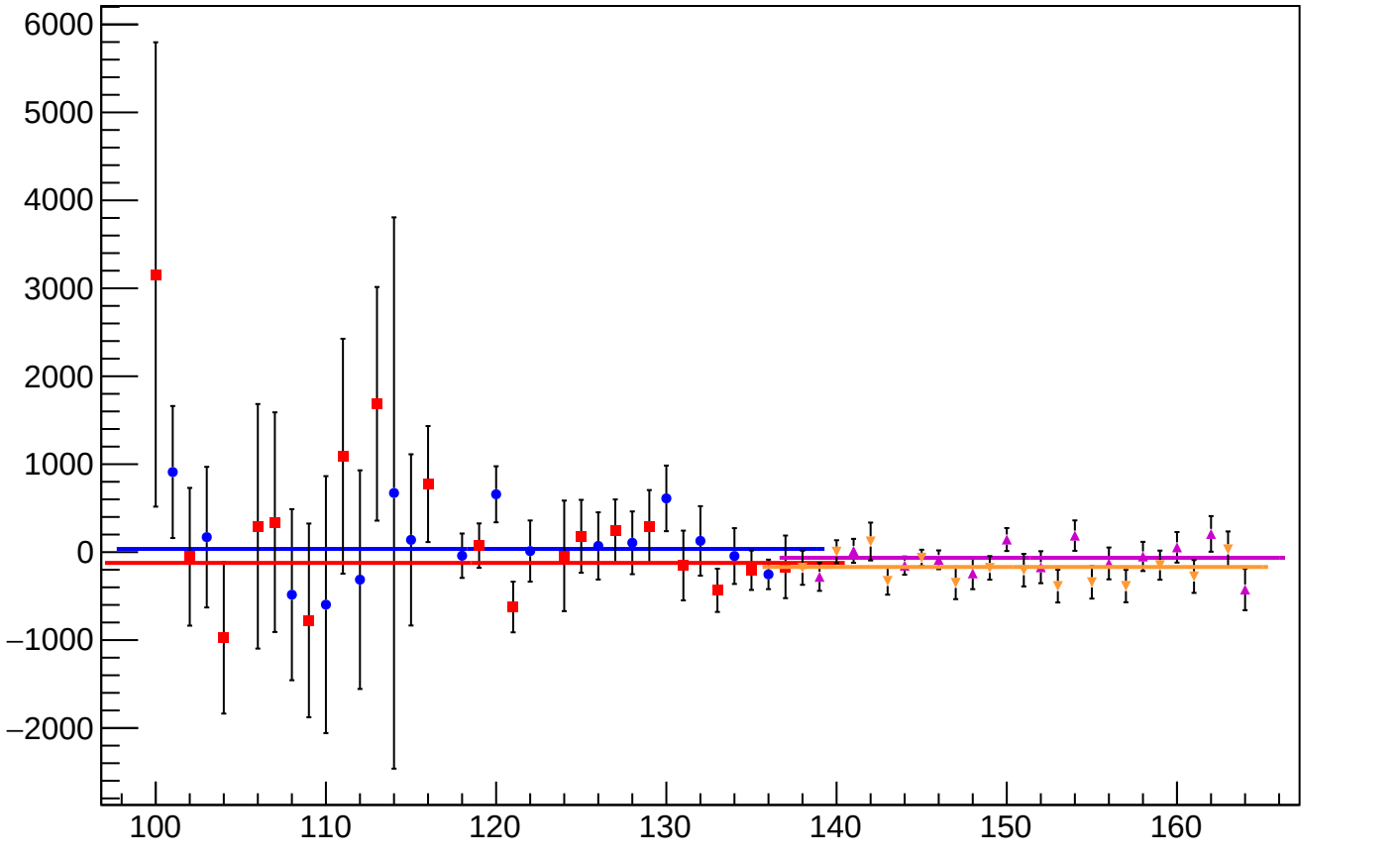
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

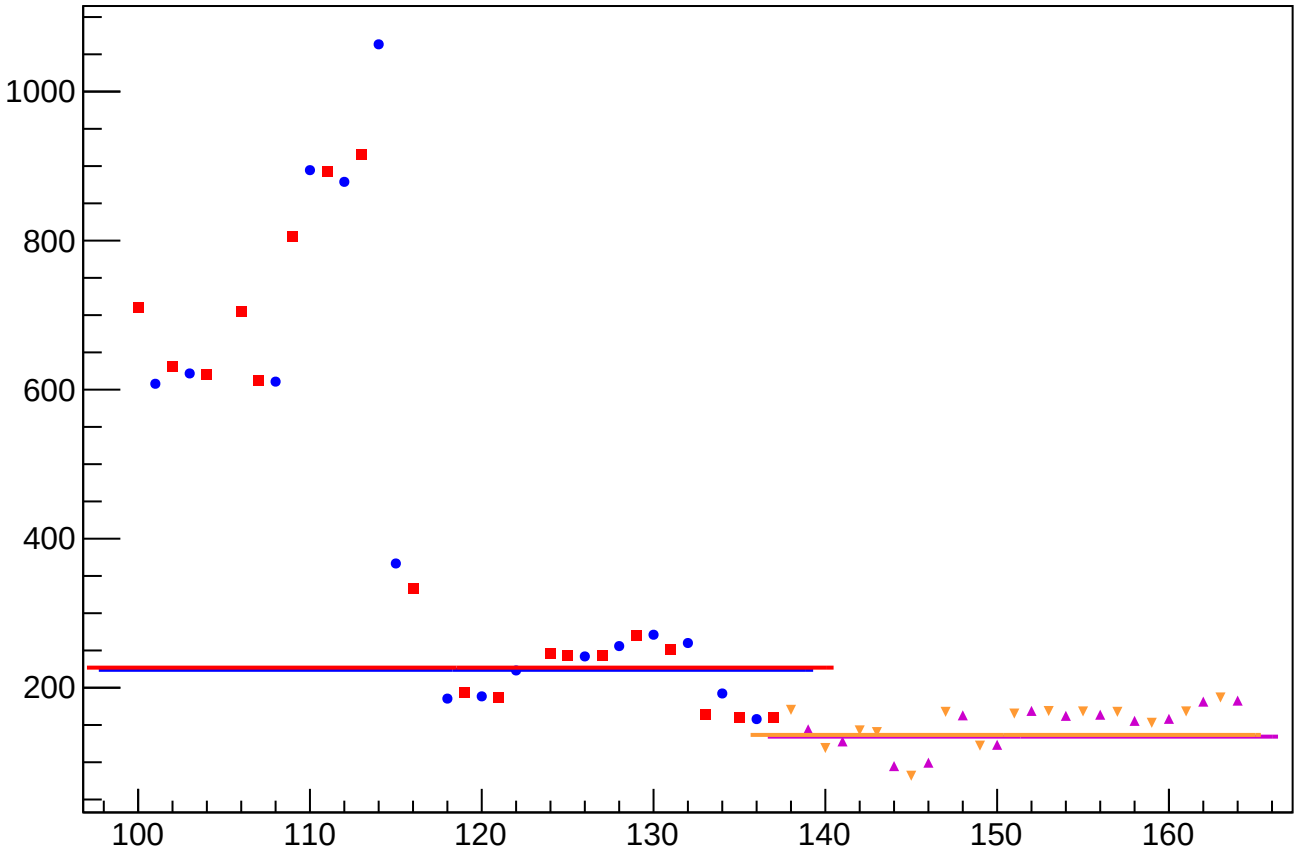
Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

+ sign 44.676+/-0.008 χ^2/NDF: 1955678.0/29

All: 44.831+/-0.005 χ^2/NDF: 4204319.3/61

- sign 44.991+/-0.008 χ^2/NDF: 2247786.8/31


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: 36.327+/-93.563 χ²/NDF: 11.4/15
Left Out: -168.834+/-42.310 χ²/NDF:11.9/13
Right Out: -122.289+/-95.865 χ²/NDF: 15.6/18
Left In: -64.195+/-41.897 χ²/NDF:13.7/12
+ sign -134.002+/-38.552 χ²/NDF: 27.3/29
All: -103.631+/-27.203 χ²/NDF: 58.1/61
- sign -73.512+/-38.391 χ²/NDF: 29.6/31



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

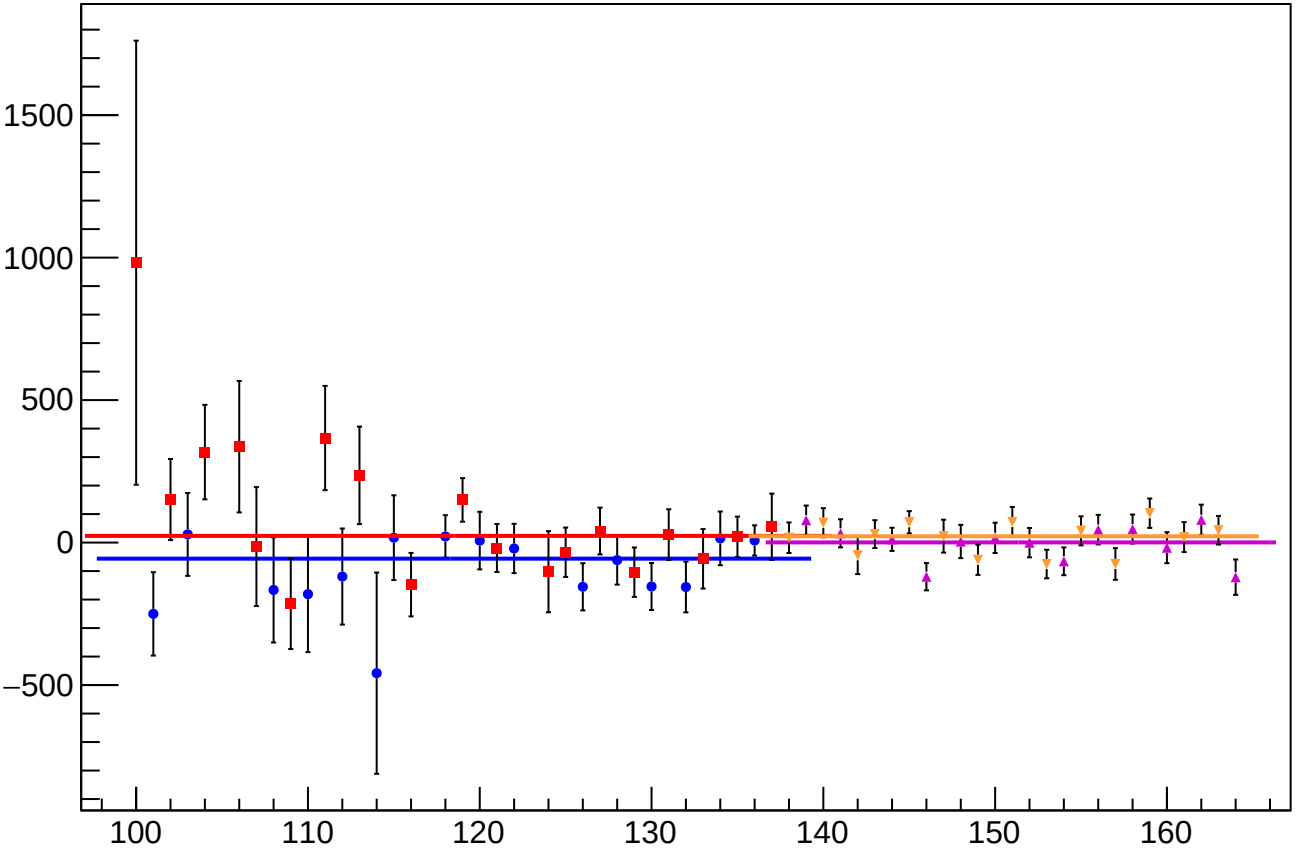
Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

+ sign 151.525+/-0.027 χ^2/NDF: 5728498.3/29

All: 150.366+/-0.019 χ^2/NDF: 11892822.0/61

- 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: 22.136+/-13.743 χ^2/NDF:16.5/13

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

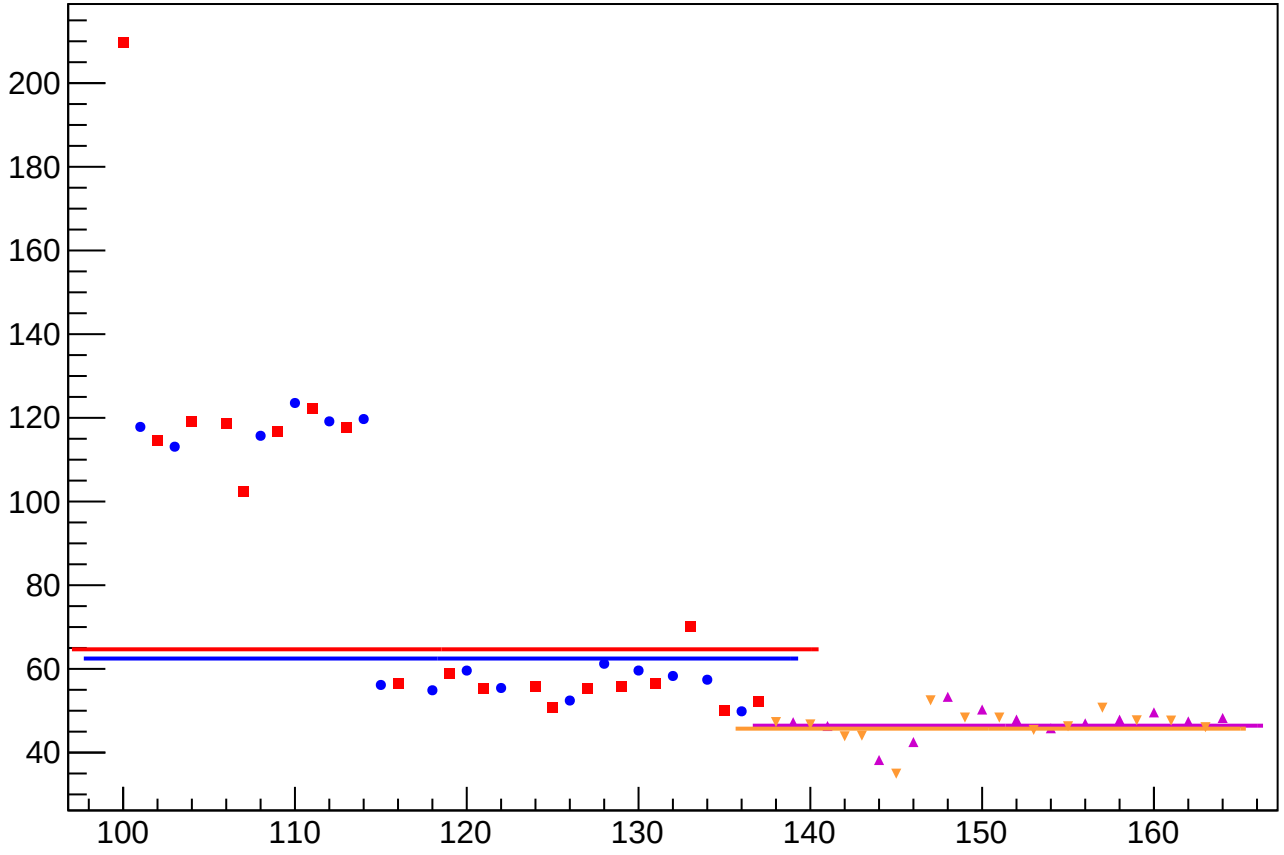
Left In: 0.590+/-14.161 χ^2/NDF:18.9/12

+ sign 3.323+/-11.985 χ^2/NDF: 36.5/29

All: 4.671+/-8.598 χ^2/NDF: 80.1/61

- 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: 45.716+/-0.010 χ^2/NDF:217811.4/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

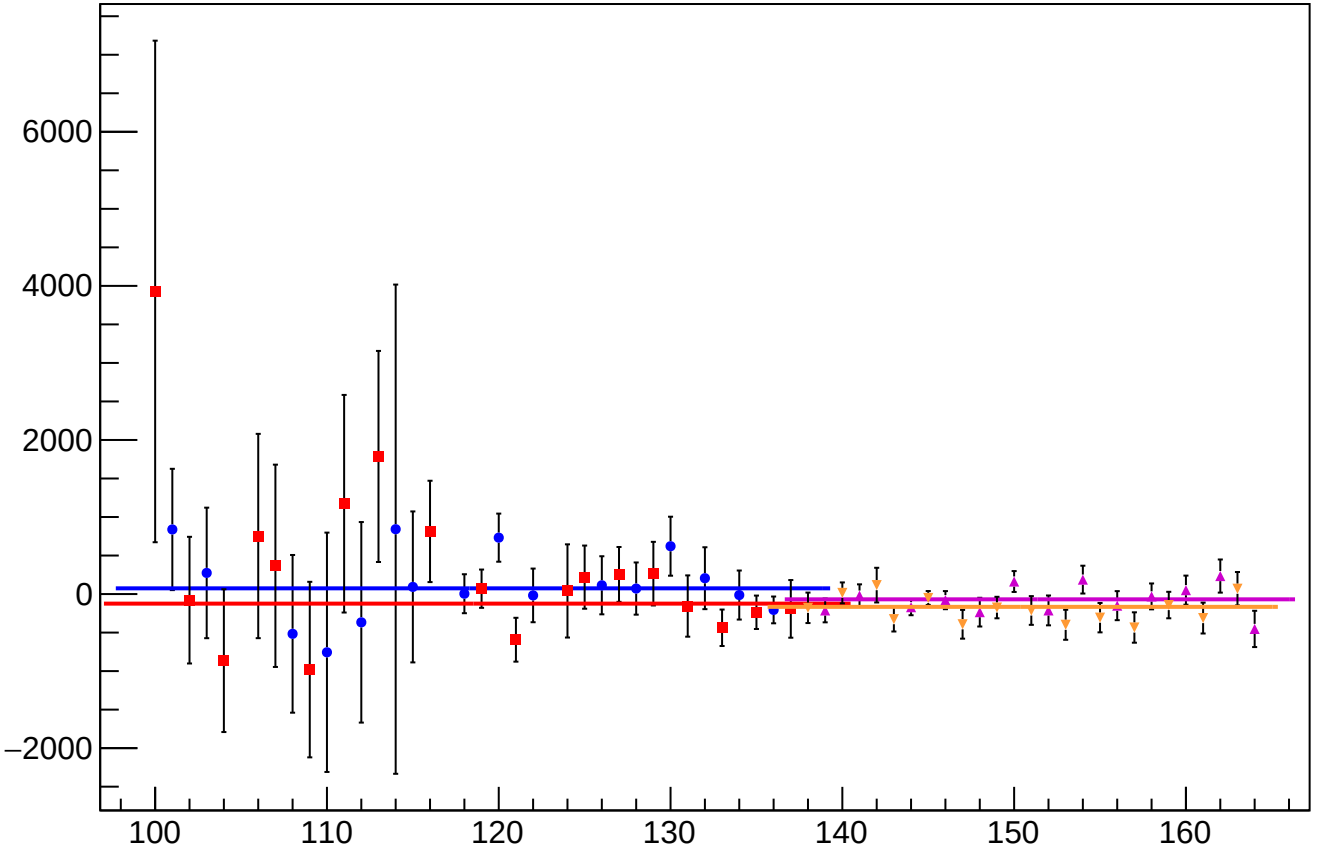
Left In: 46.427+/-0.010 χ^2/NDF:147075.2/12

+ sign 49.729+/-0.008 χ^2/NDF: 2278343.2/29

All: 50.258+/-0.006 χ^2/NDF: 4823262.8/61

- 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: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

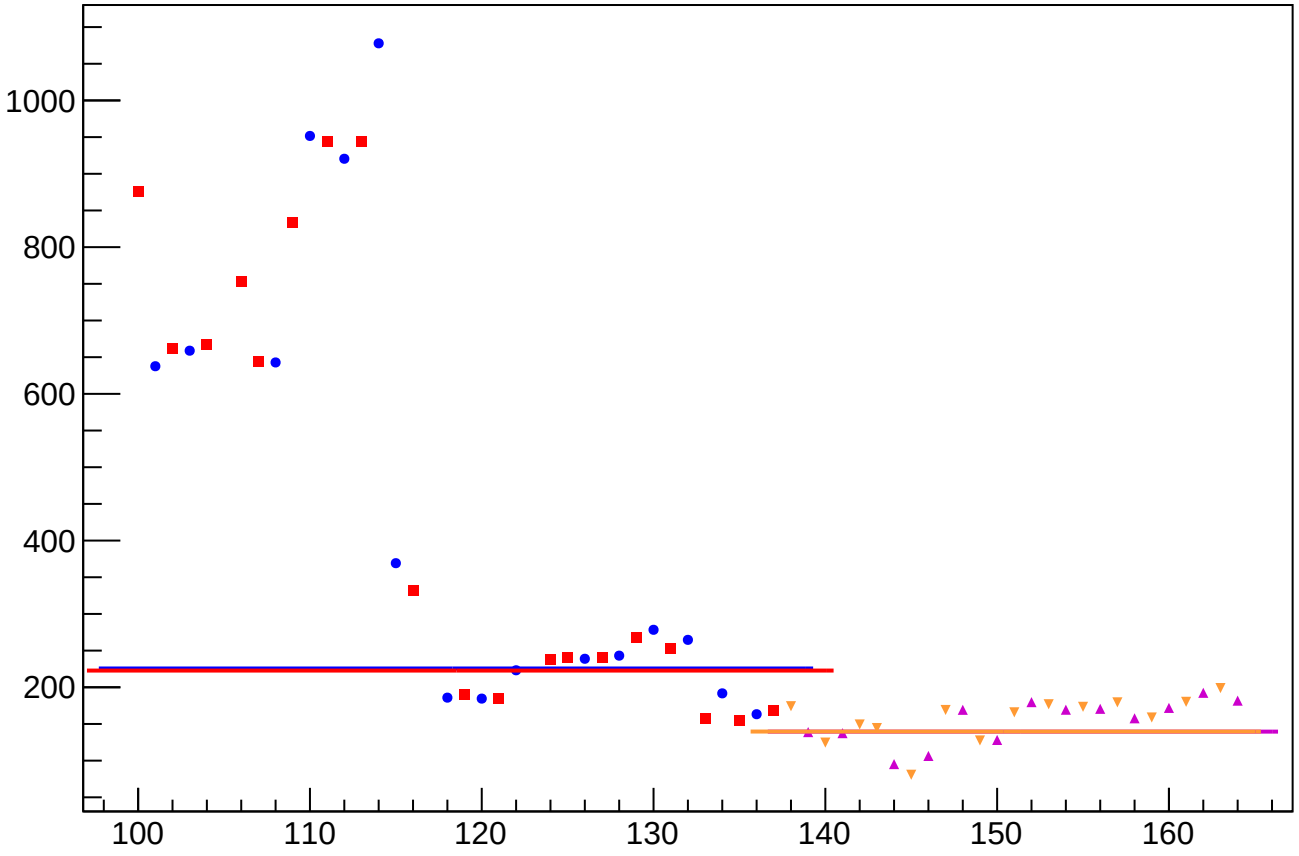
Left In: -68.440+/-43.679 χ^2/NDF:13.5/12

+ sign -124.221+/-39.466 χ^2/NDF: 29.6/29

All: -101.337+/-27.975 χ^2/NDF: 60.4/61

- sign -78.228+/-39.661 χ^2/NDF: 30.1/31

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 139.666+/-0.031 χ^2/NDF:1523739.1/13

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

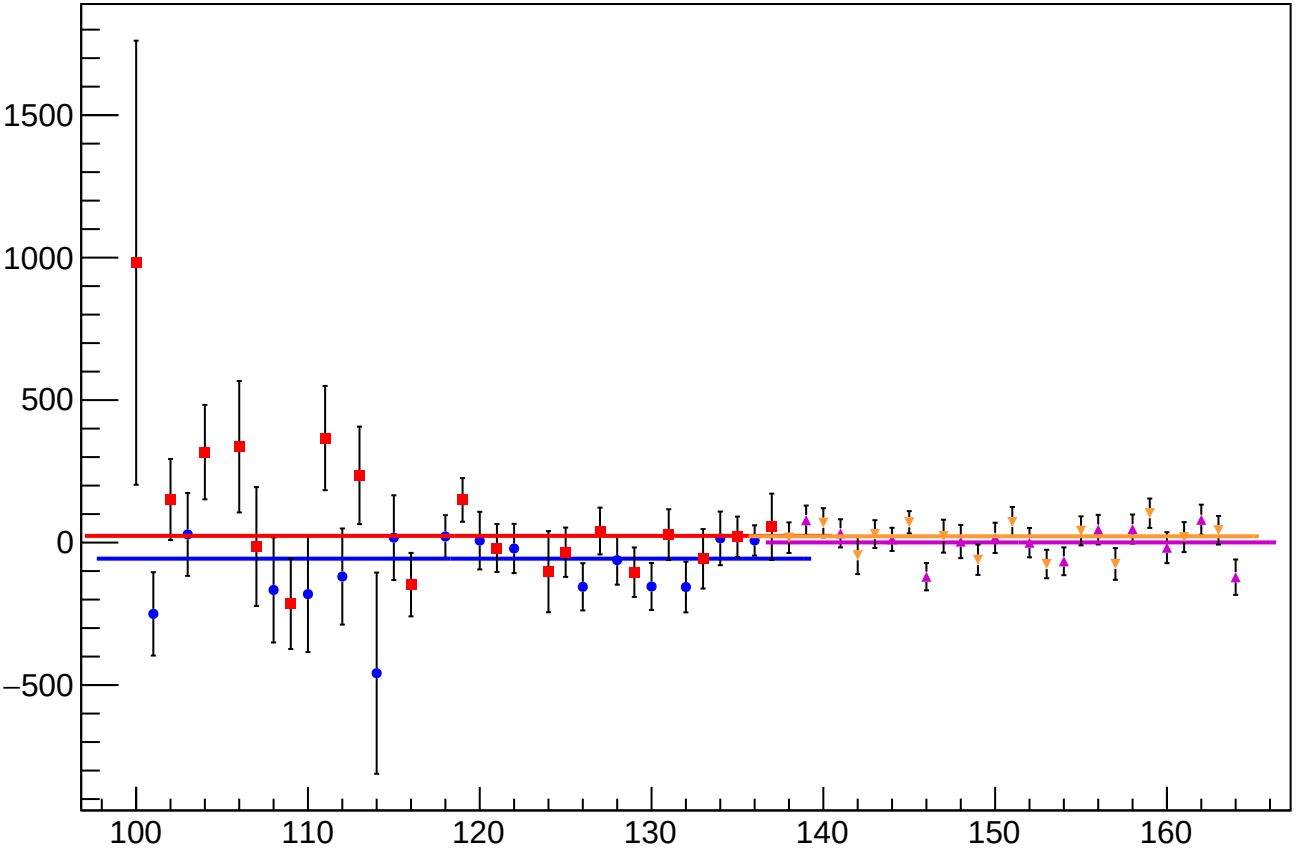
Left In: 139.552+/-0.031 χ^2/NDF:1045312.3/12

+ sign 154.659+/-0.028 χ^2/NDF: 5915760.5/29

All: 154.412+/-0.020 χ^2/NDF: 12084141.1/61

- 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: 22.137+/-13.743 χ^2/NDF:16.5/13

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

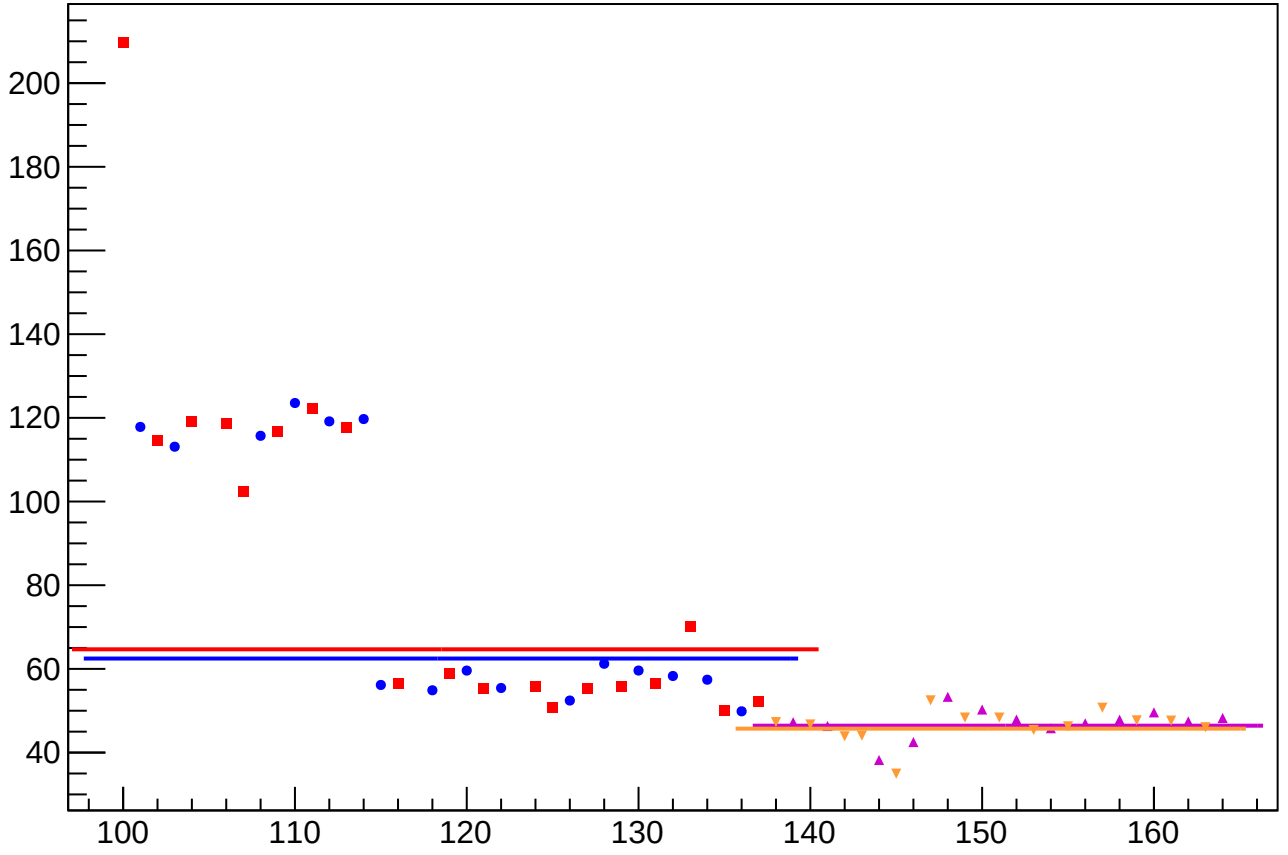
Left In: 0.589+/-14.161 χ^2/NDF:18.9/12

+ sign 3.323+/-11.985 χ^2/NDF: 36.5/29

All: 4.671+/-8.598 χ^2/NDF: 80.1/61

- 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: 45.716+/-0.010 χ^2/NDF:217816.3/13

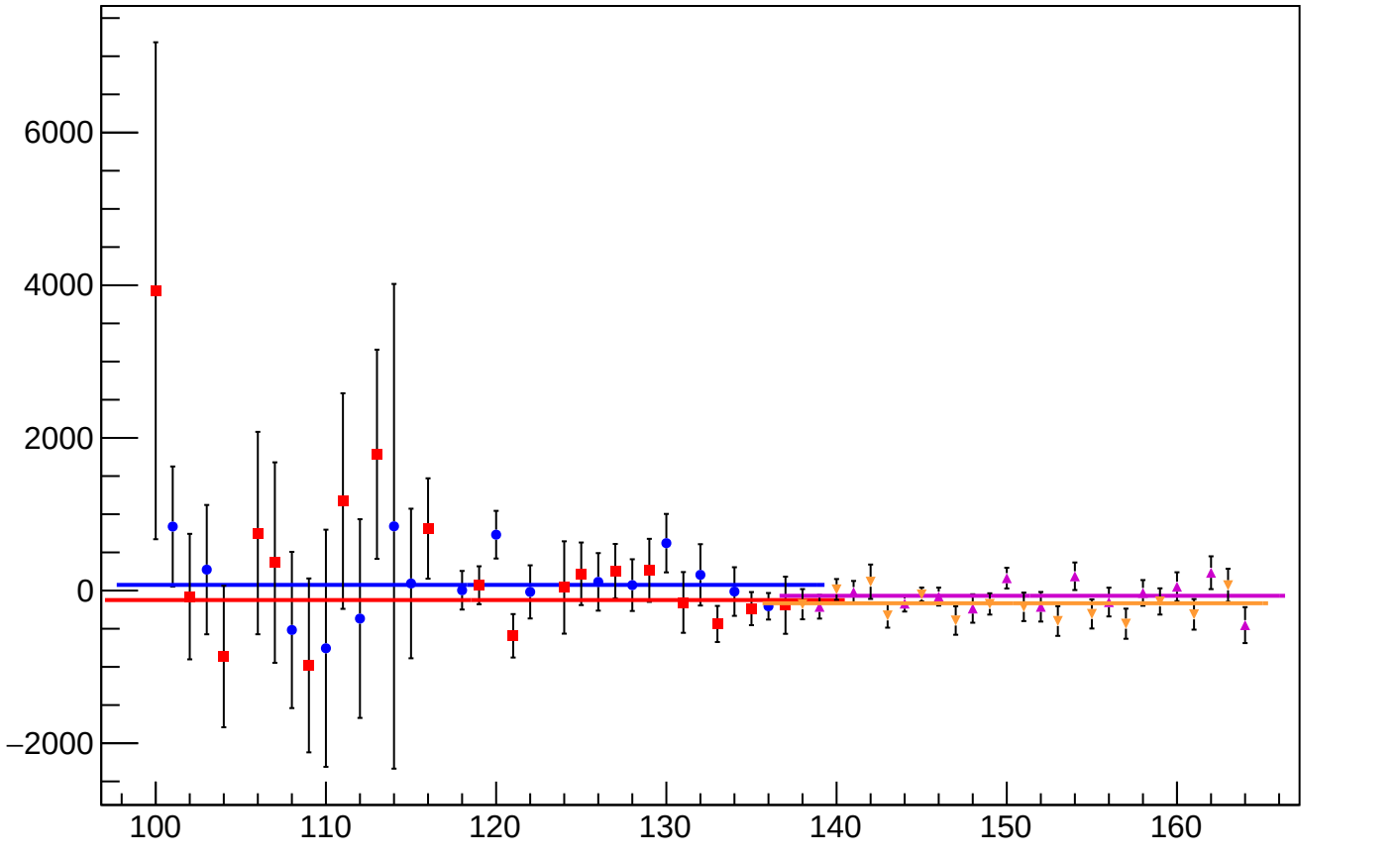
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.427+/-0.010 χ^2/NDF:147076.6/12

+ sign 49.729+/-0.008 χ^2/NDF: 2278284.2/29

All: 50.258+/-0.006 χ^2/NDF: 4823156.7/61

- 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: -166.168+/-43.436 χ^2/NDF:13.0/13

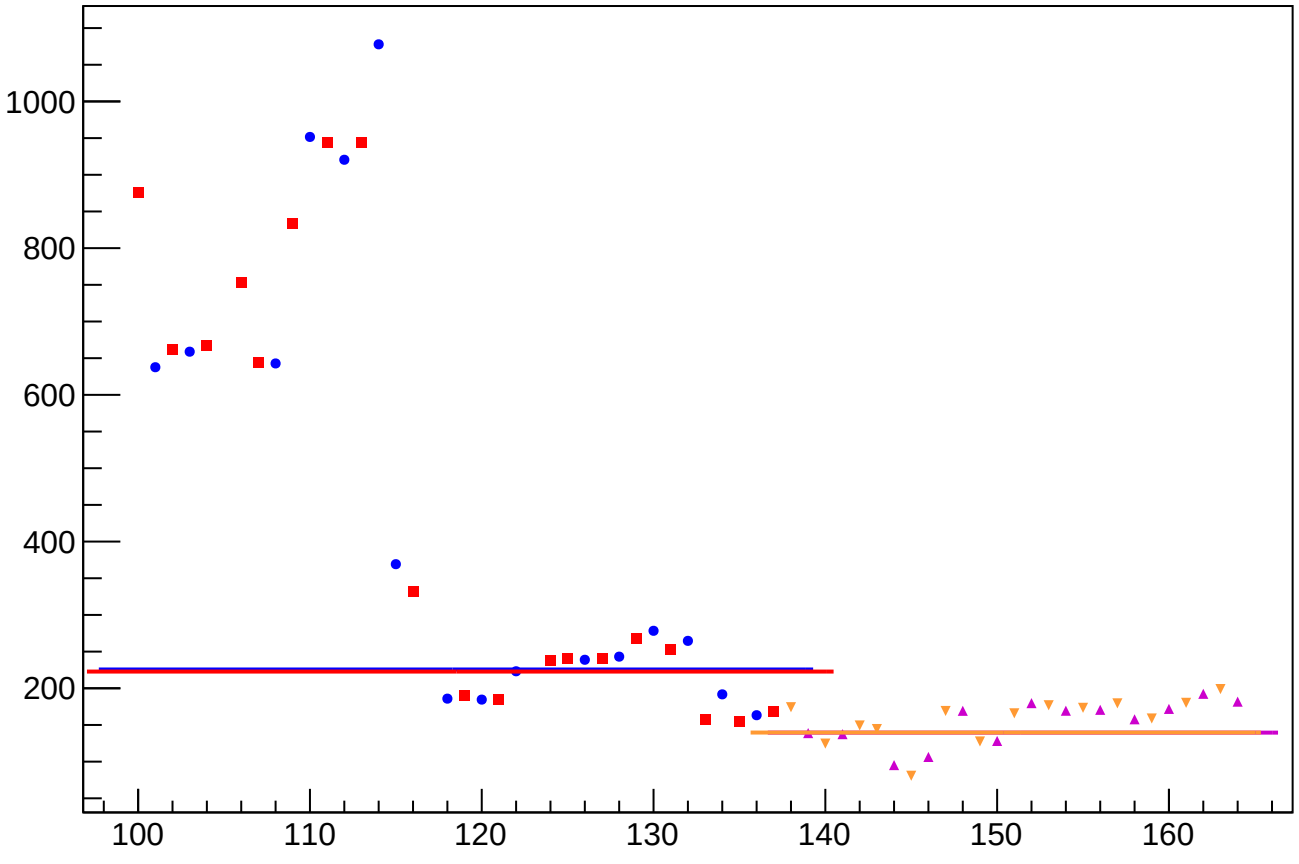
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -68.441+/-43.679 χ^2/NDF:13.5/12

+ sign -124.220+/-39.466 χ^2/NDF: 29.6/29

All: -101.337+/-27.975 χ^2/NDF: 60.4/61

- 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: 139.667+/-0.031 χ^2/NDF:1523725.5/13

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

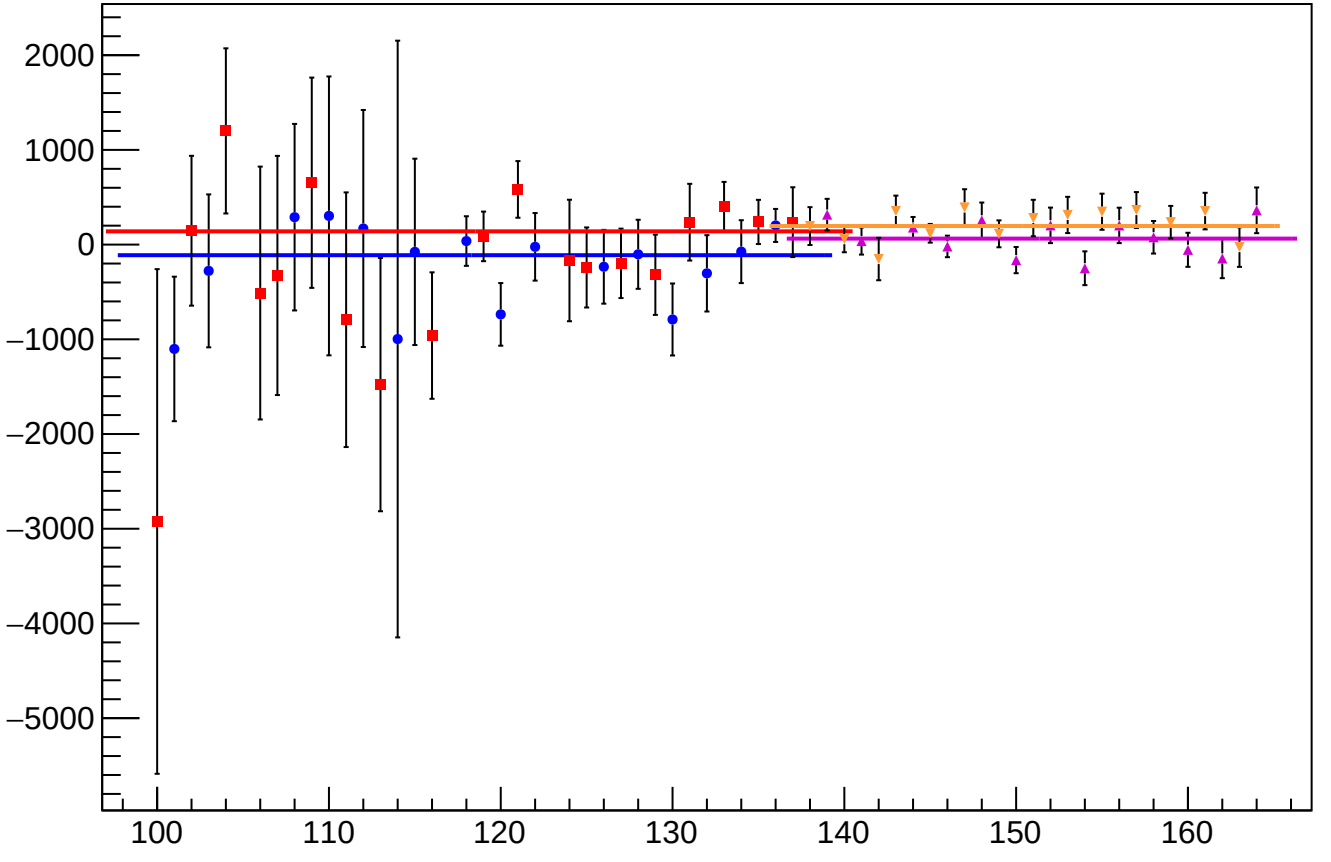
Left In: 139.552+/-0.031 χ^2/NDF:1045310.6/12

+ sign 154.660+/-0.028 χ^2/NDF: 5915720.0/29

All: 154.412+/-0.020 χ^2/NDF: 12084083.5/61

- 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: 196.102+/-44.385 χ^2/NDF:10.2/13

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

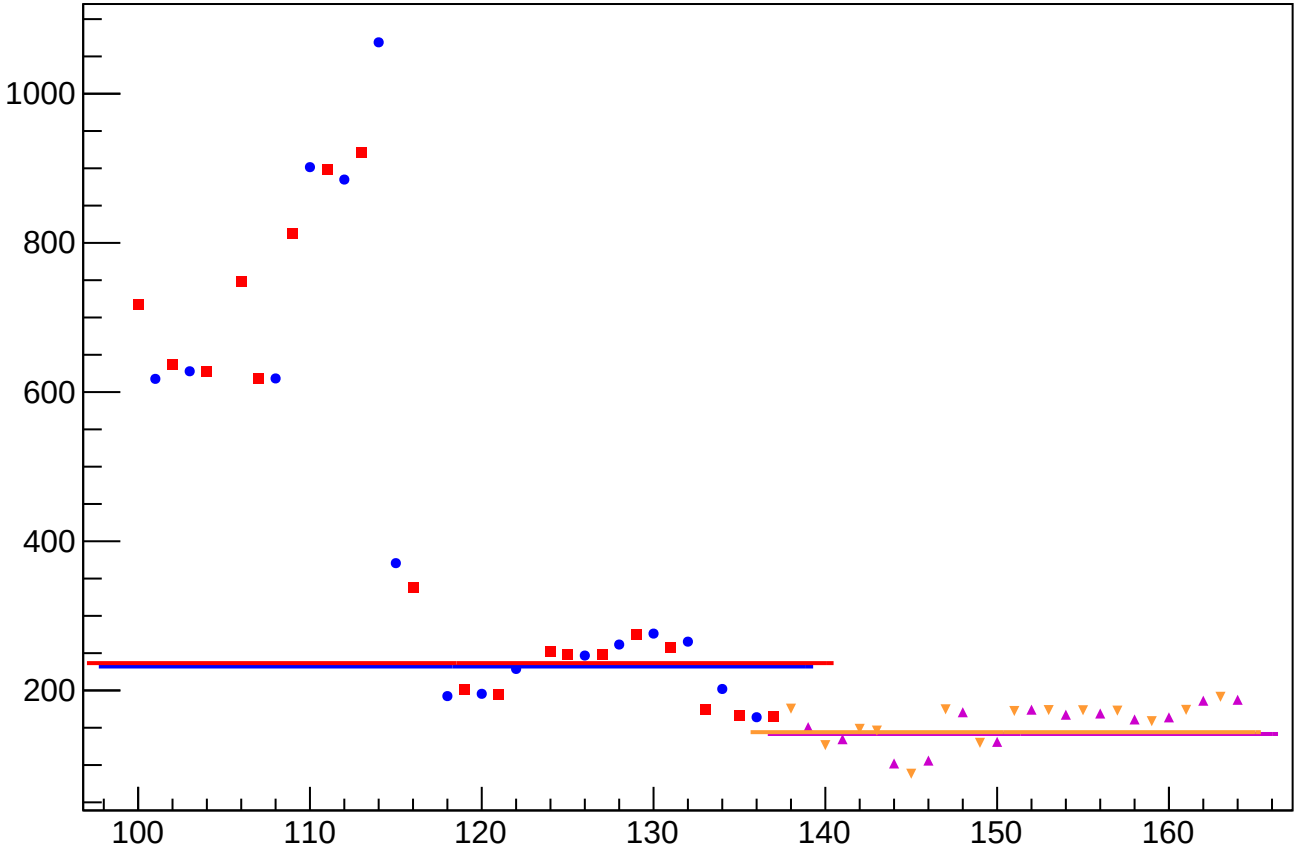
Left In: 63.155+/-43.983 χ^2/NDF:14.9/12

+ sign 142.365+/-40.328 χ^2/NDF: 31.4/29

All: 108.973+/-28.473 χ^2/NDF: 62.8/61

- 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: 144.082+/-0.031 χ^2/NDF:1141383.6/13

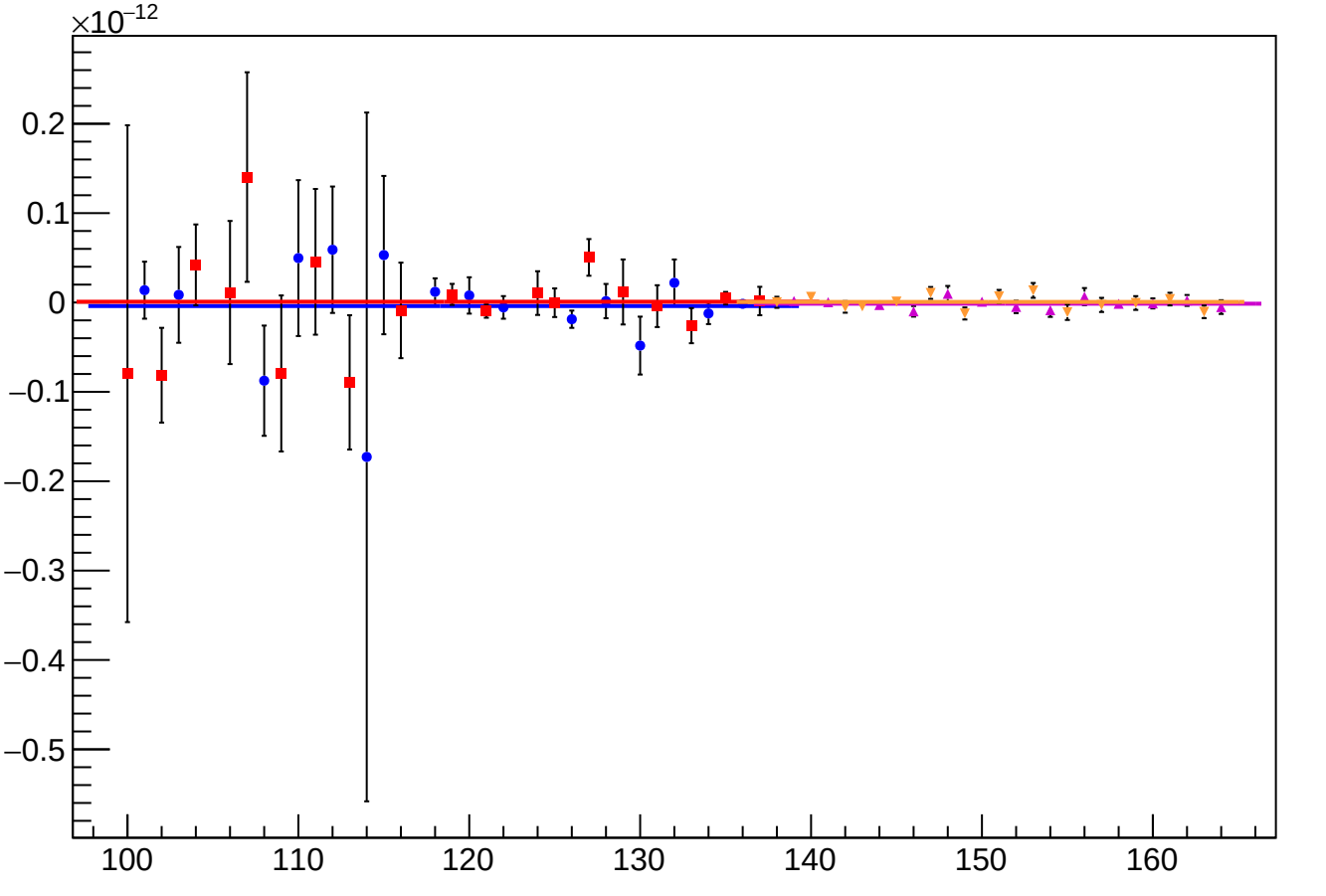
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.639+/-0.031 χ^2/NDF:886315.6/12

+ sign 159.439+/-0.029 χ^2/NDF: 5399261.3/29

All: 158.343+/-0.020 χ^2/NDF: 11343363.7/61

- 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:17.9/13

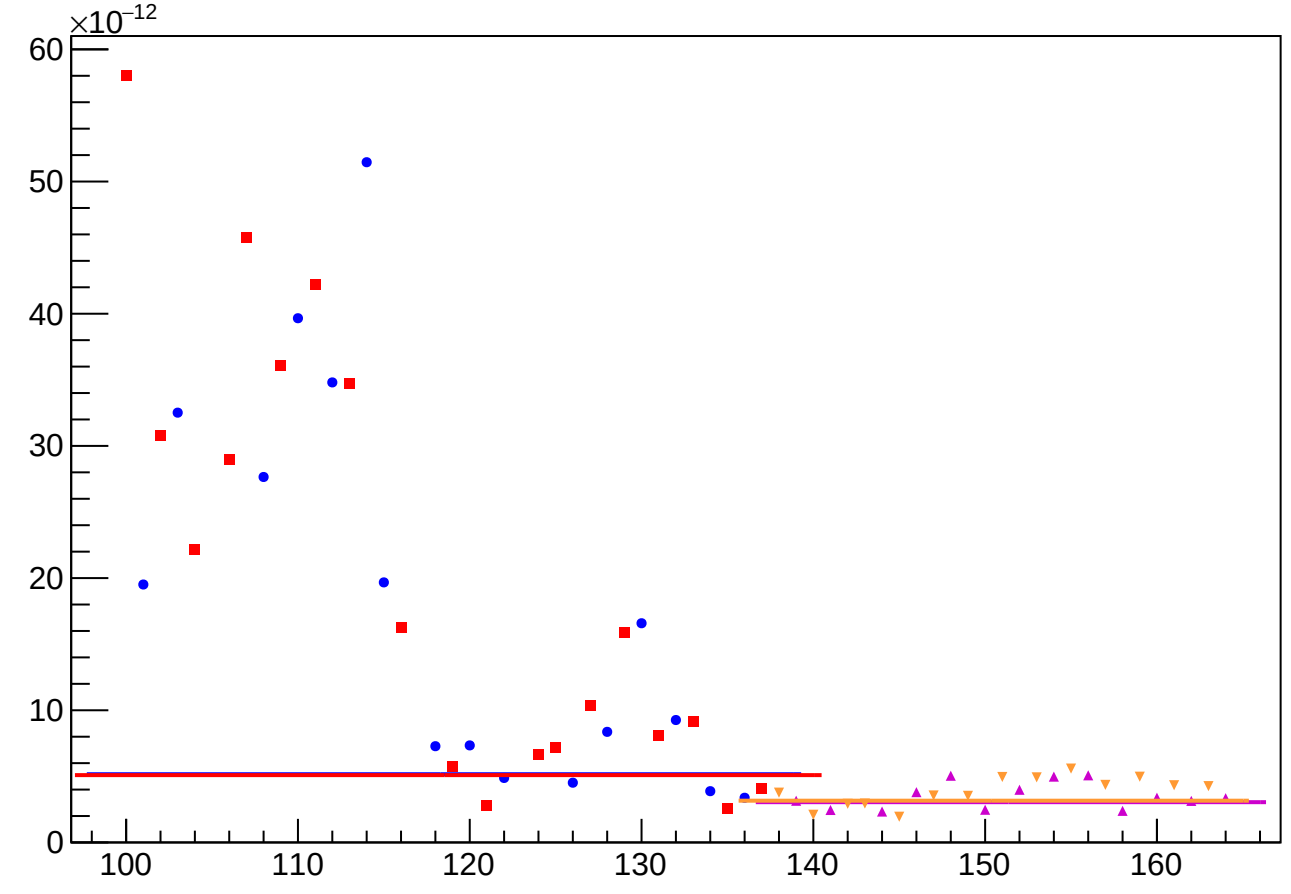
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/29

All: -0.000+/-0.000 χ^2/NDF: 56.3/61

- sign -0.000+/-0.000 χ^2/NDF: 25.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1138566.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

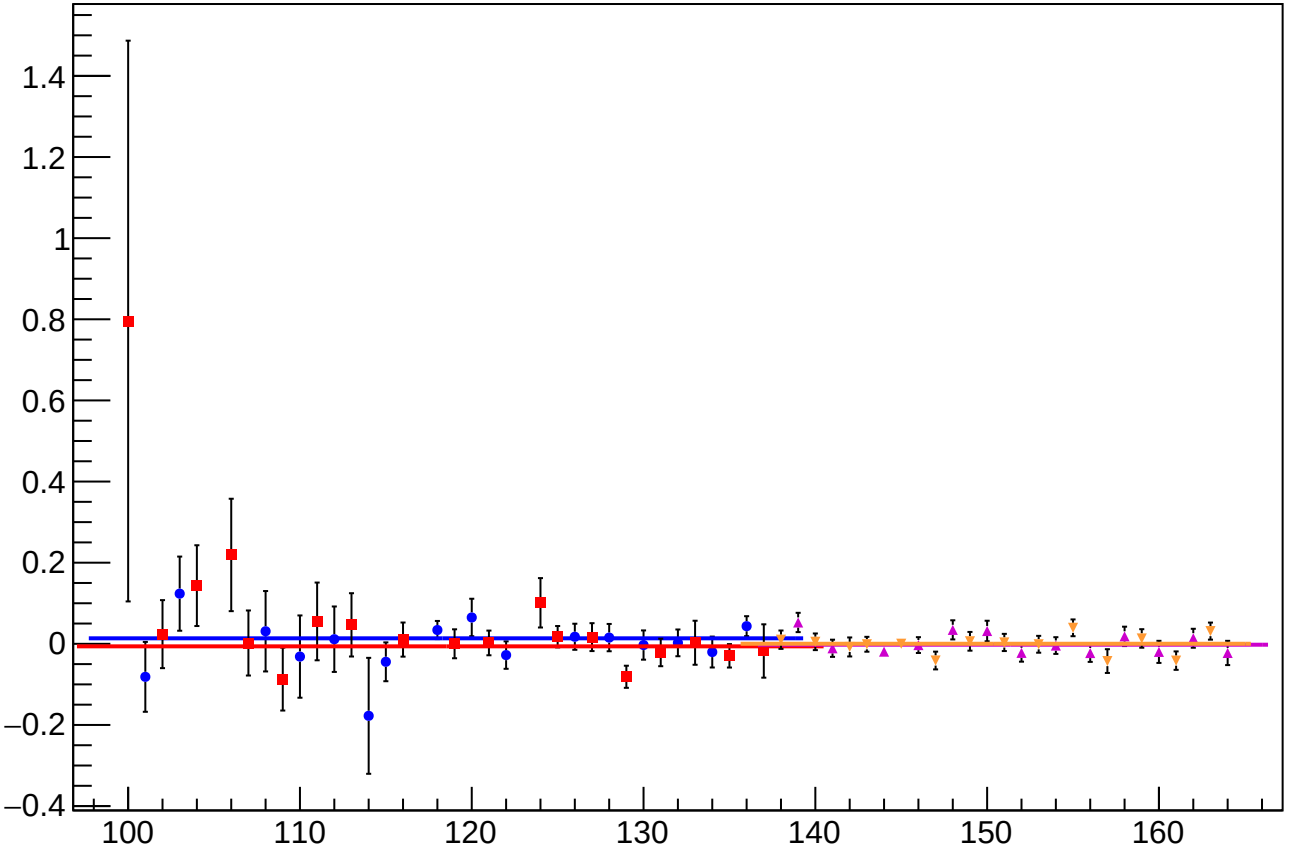
Left In: 0.000+/-0.000 χ^2/NDF:594036.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 4265249.3/29

All: 0.000+/-0.000 χ^2/NDF: 8572655.9/61

- 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:15.6/13

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

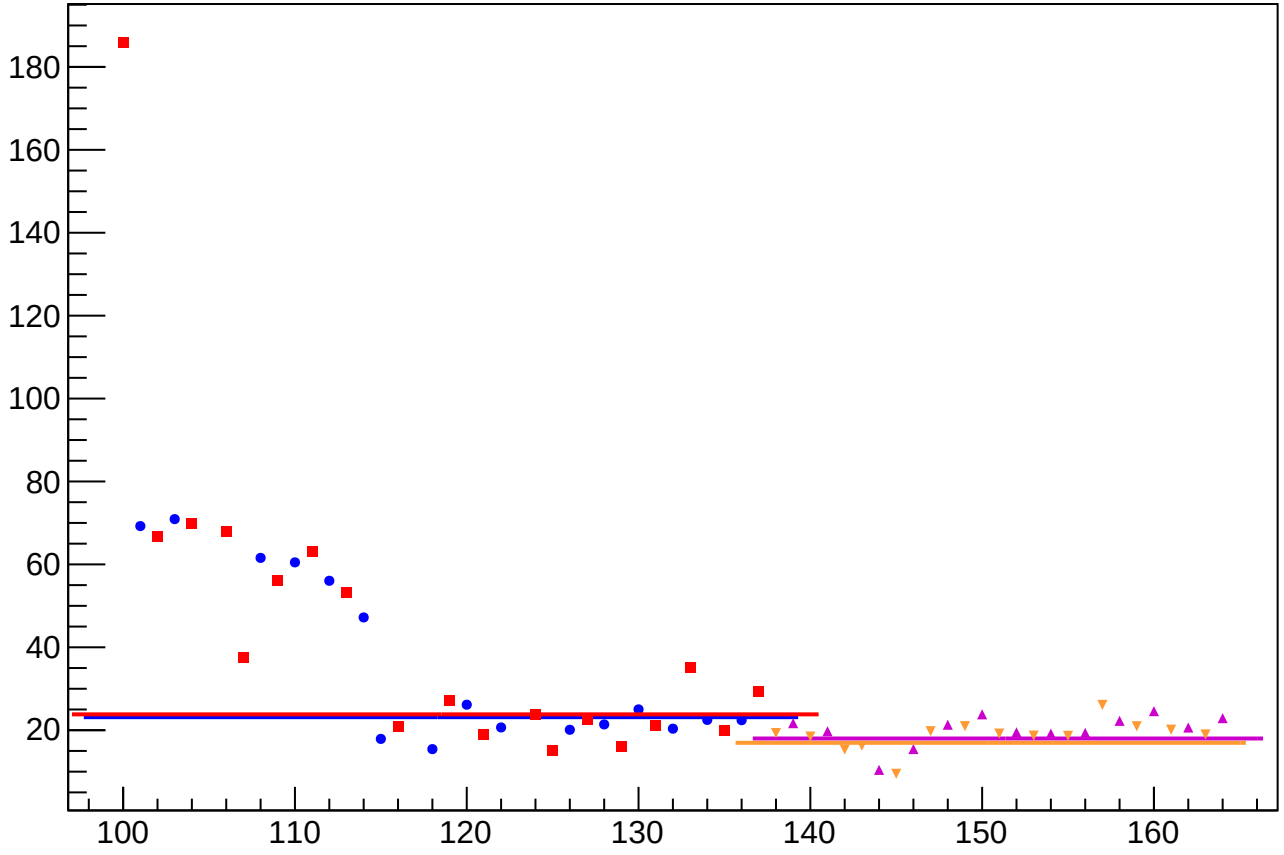
Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.000+/-0.003 χ^2/NDF: 67.4/61

- 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: 16.959+/-0.004 χ^2/NDF:1374170.4/13

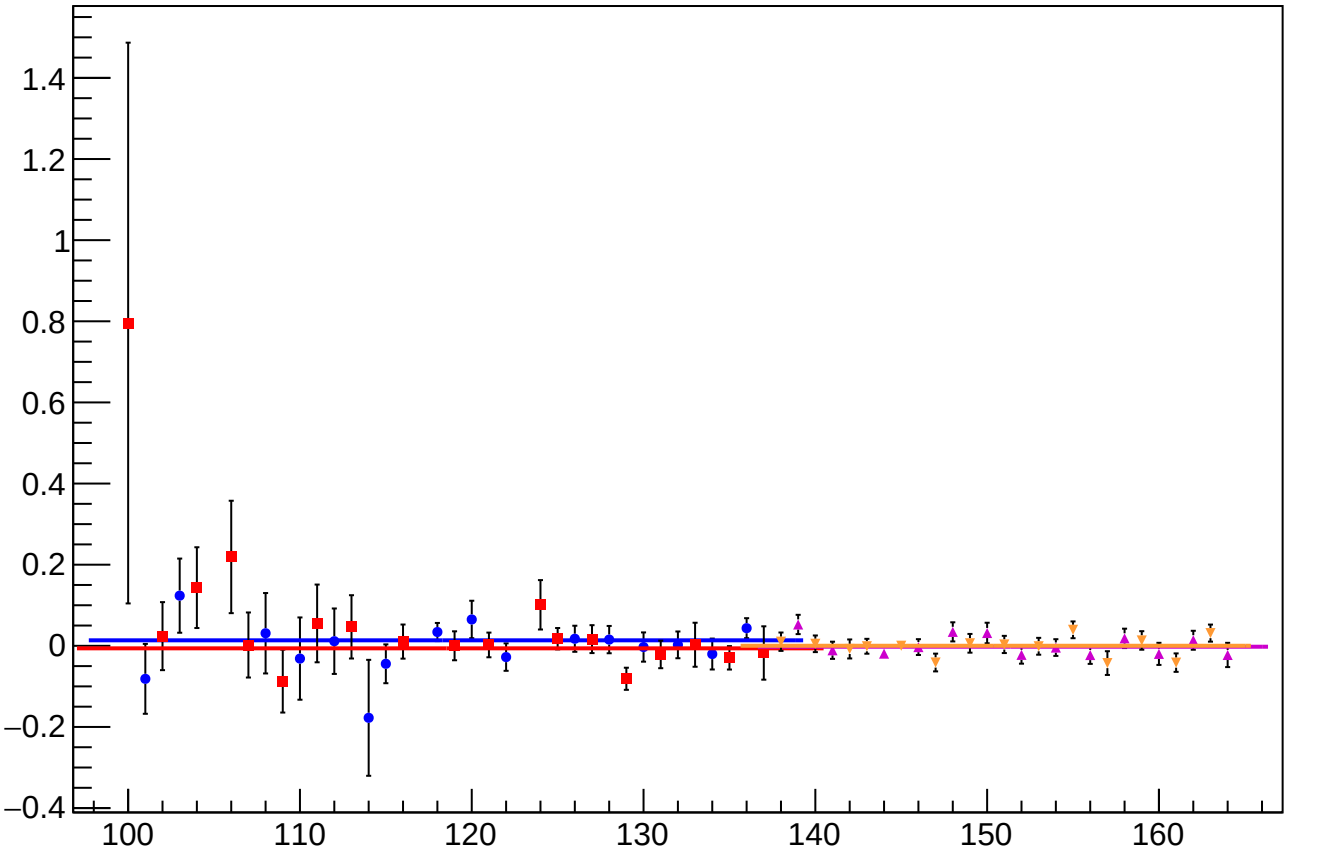
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

\+ sign 18.365+/-0.003 χ^2/NDF: 4390516.2/29

All: 18.870+/-0.002 χ^2/NDF: 9192102.0/61

\- 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:15.6/13

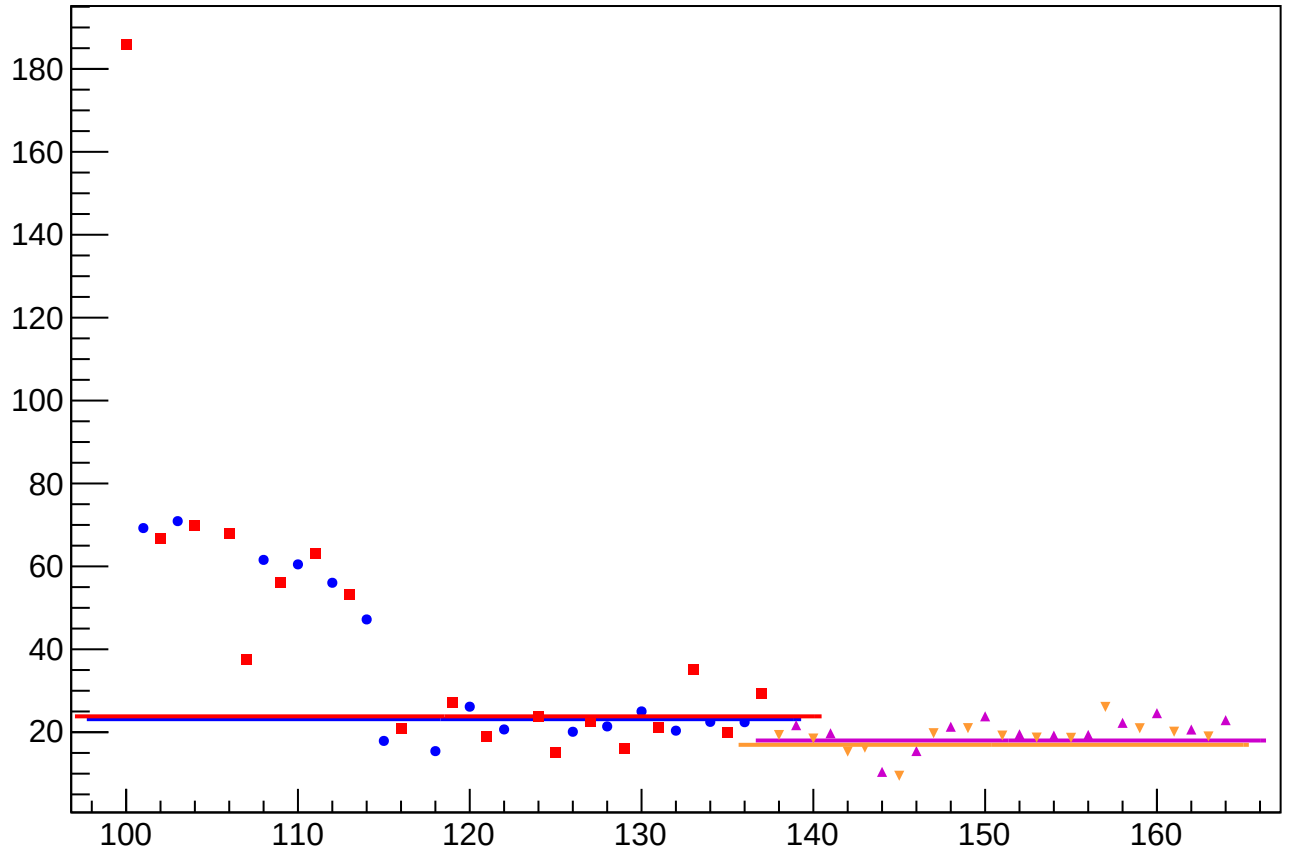
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.000+/-0.003 χ^2/NDF: 67.4/61

- 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: 16.959+/-0.004 χ^2/NDF:1374170.4/13

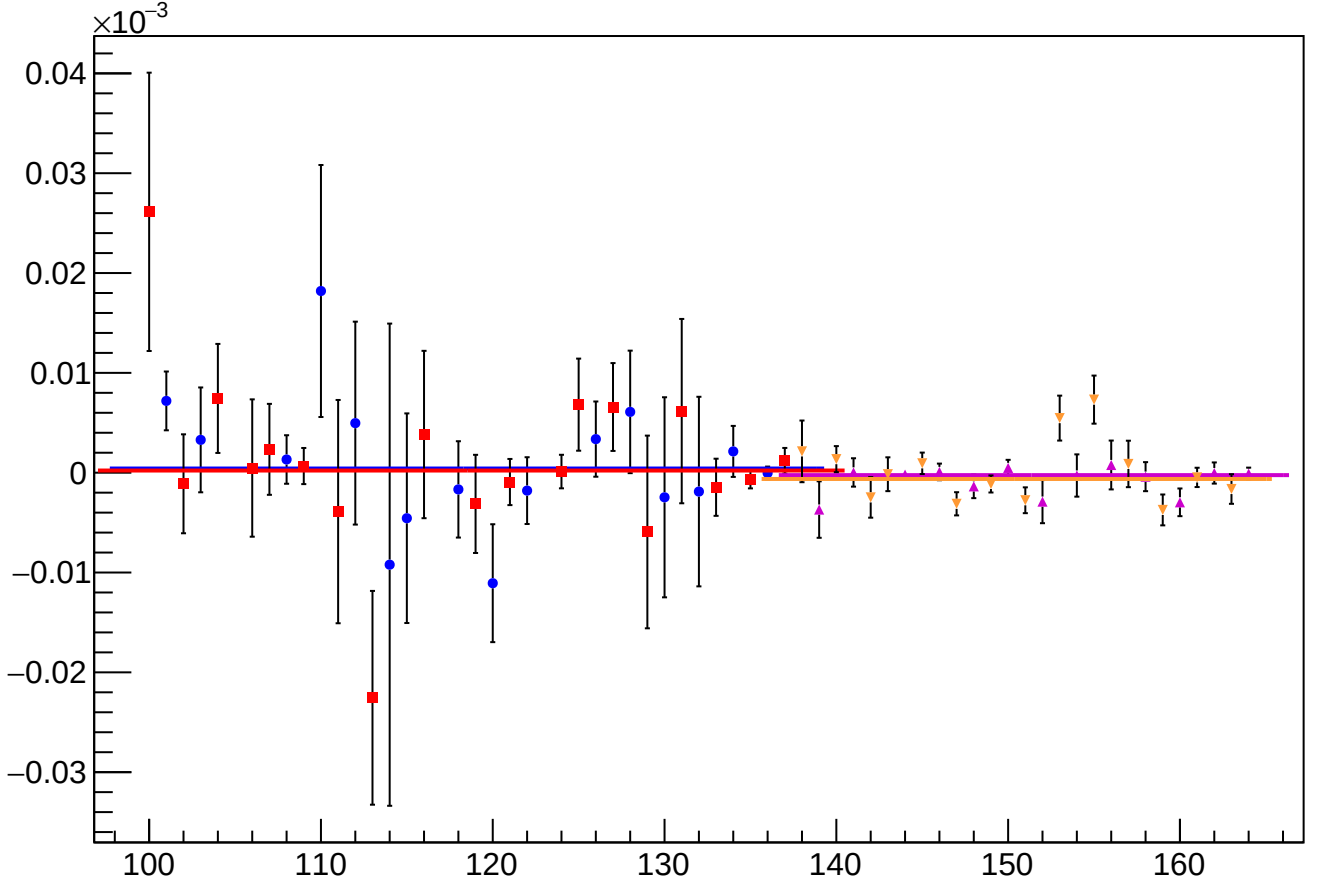
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

+ sign 18.365+/-0.003 χ^2/NDF: 4390516.2/29

All: 18.870+/-0.002 χ^2/NDF: 9192102.0/61

- sign 19.448+/-0.004 χ^2/NDF: 4751948.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/13

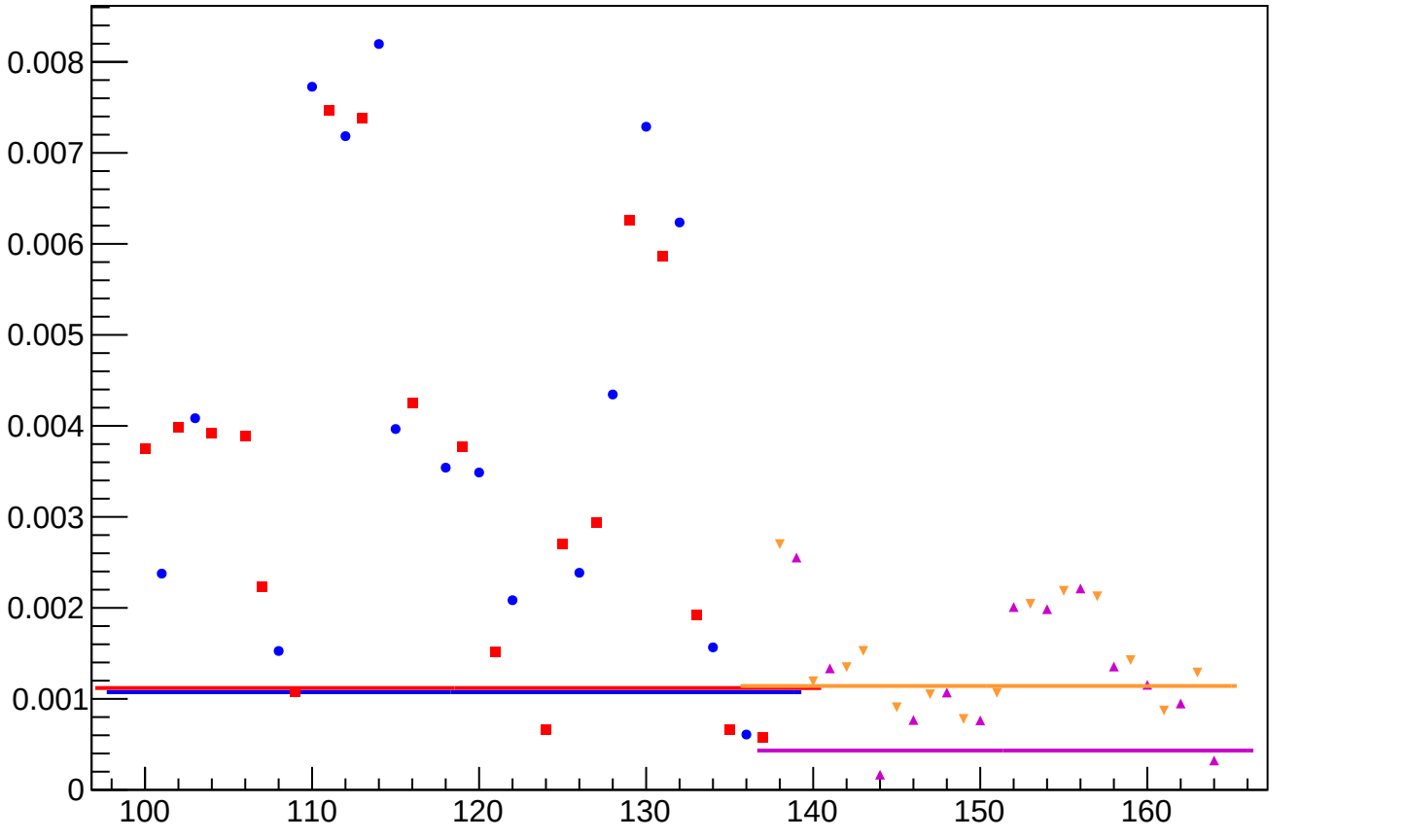
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 54.7/29

All: -0.000+/-0.000 χ^2/NDF: 82.3/61

- sign -0.000+/-0.000 χ^2/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:2411470.3/13

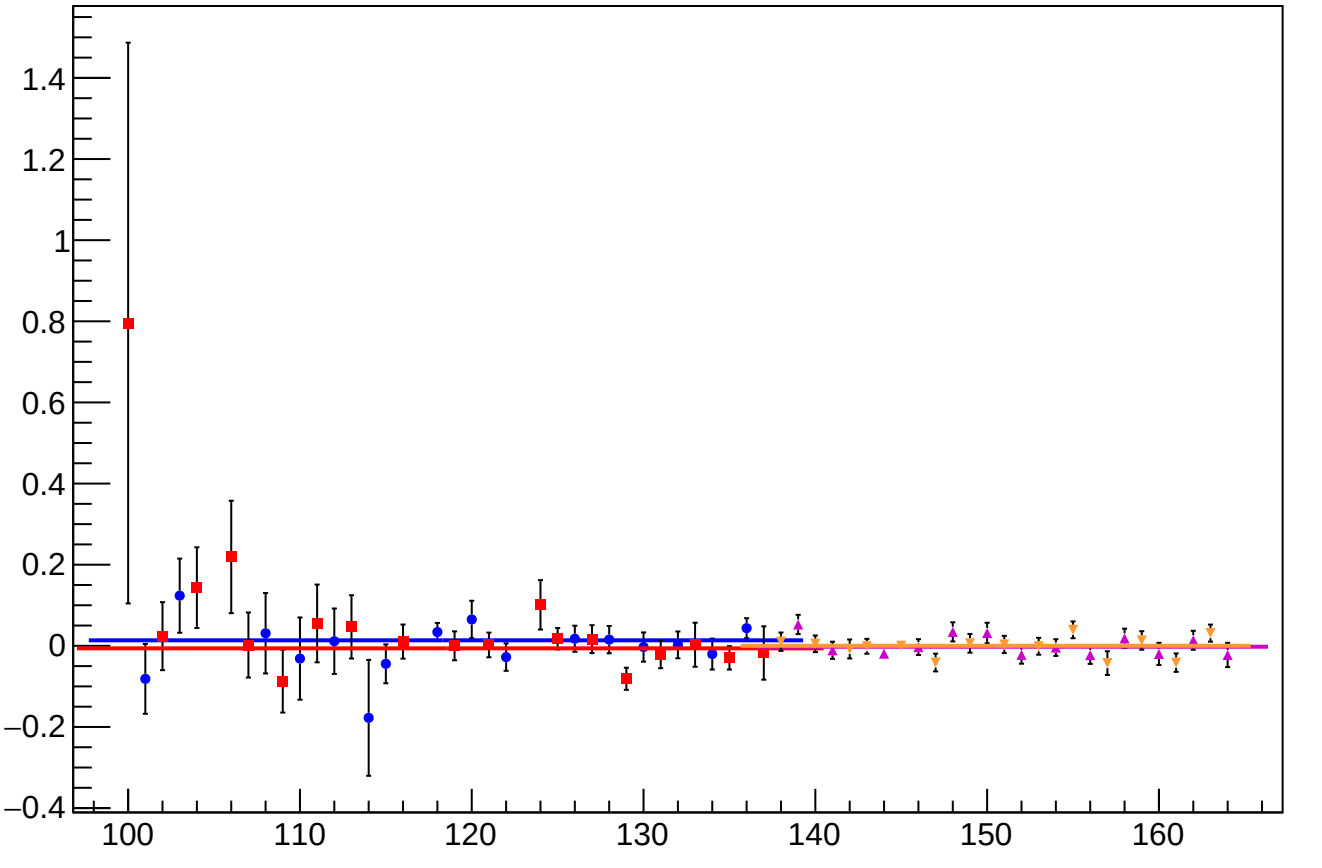
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10448688.1/12

+ sign 0.001+/-0.000 χ^2/NDF: 9477363.9/29

All: 0.001+/-0.000 χ^2/NDF: 35099324.8/61

- sign 0.001+/-0.000 χ^2/NDF: 19845693.6/31



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

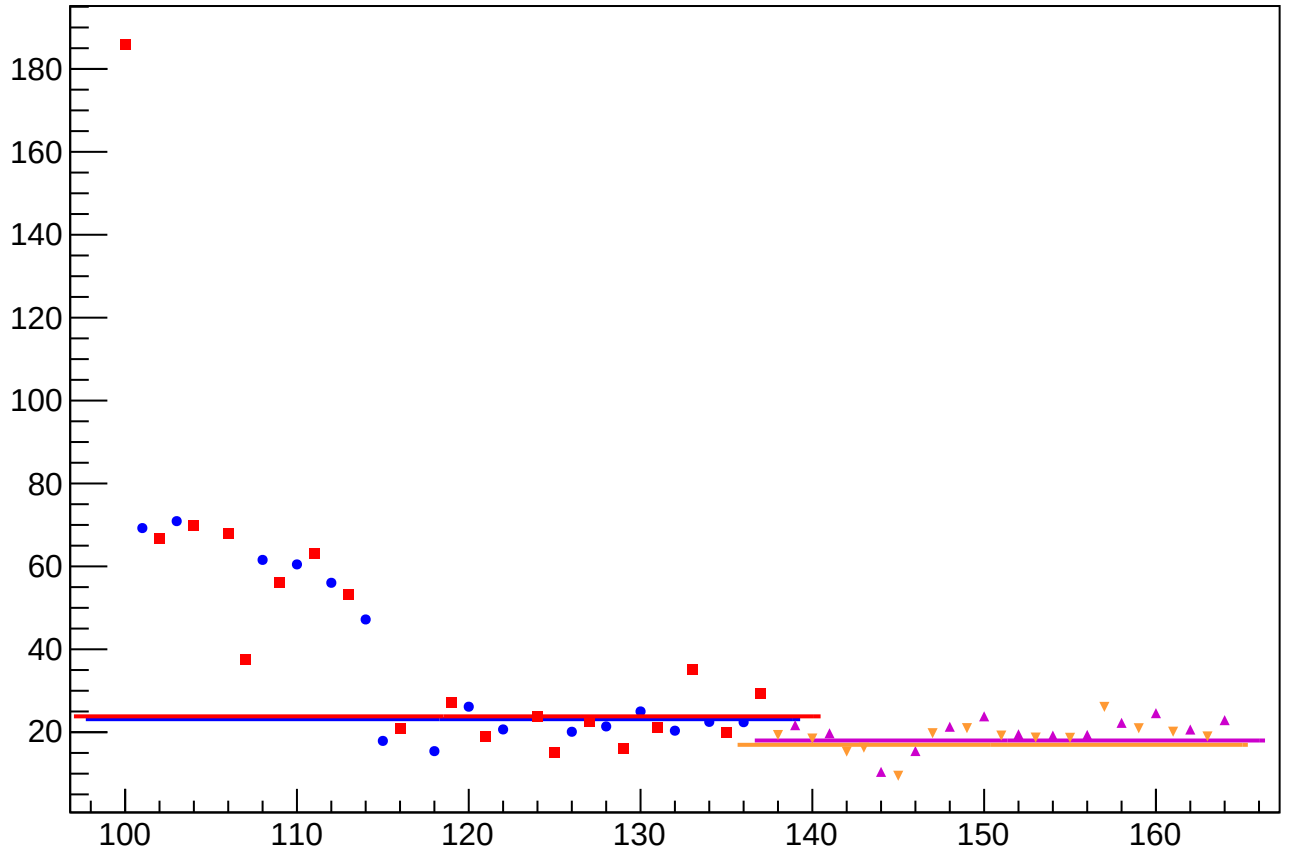
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.000+/-0.003 χ^2/NDF: 67.5/61

- 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: 16.960+/-0.004 χ^2/NDF:1374282.4/13

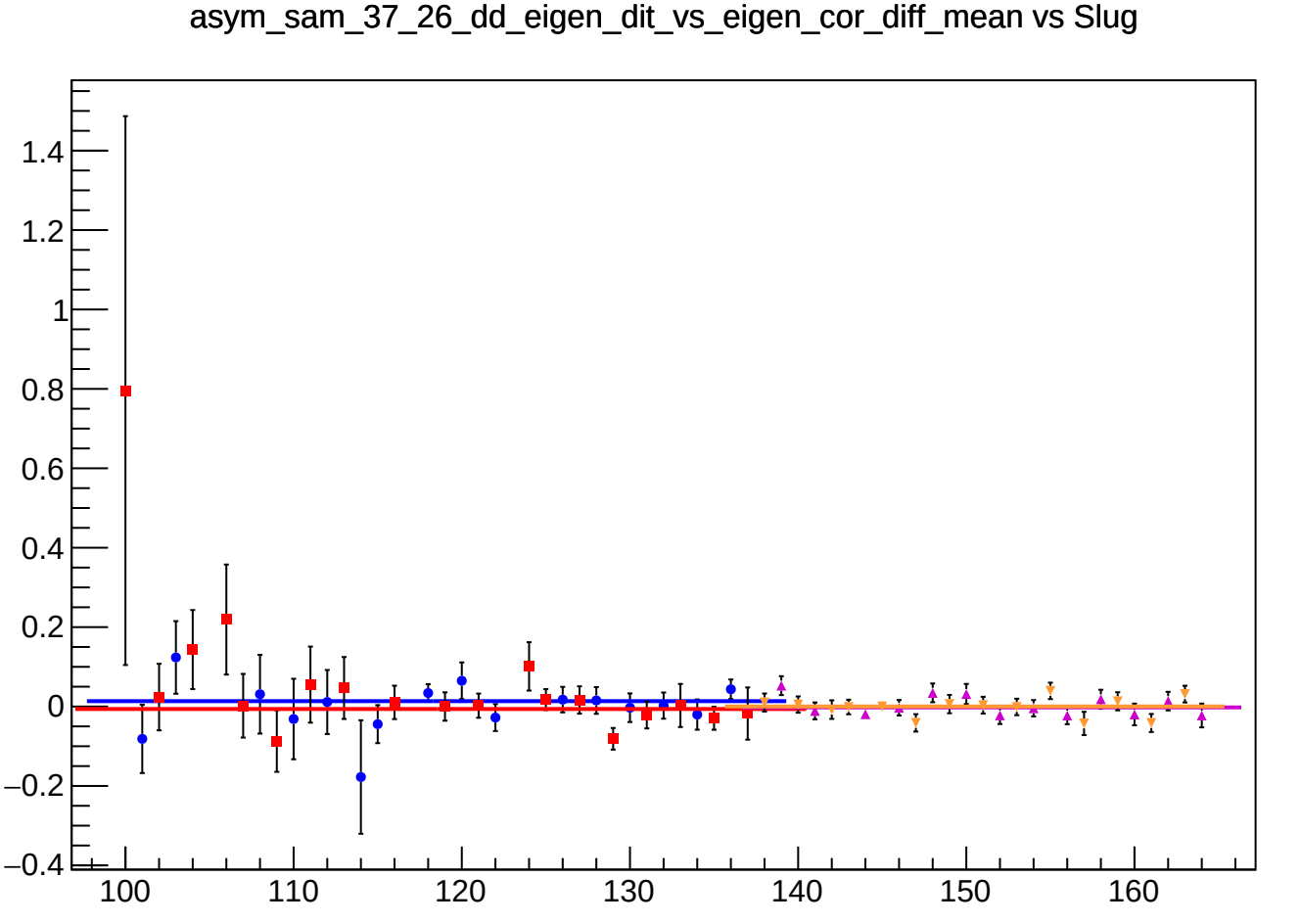
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

\+ sign 18.365+/-0.003 χ^2/NDF: 4390418.6/29

All: 18.870+/-0.002 χ^2/NDF: 9191826.5/61

\- 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:15.6/13

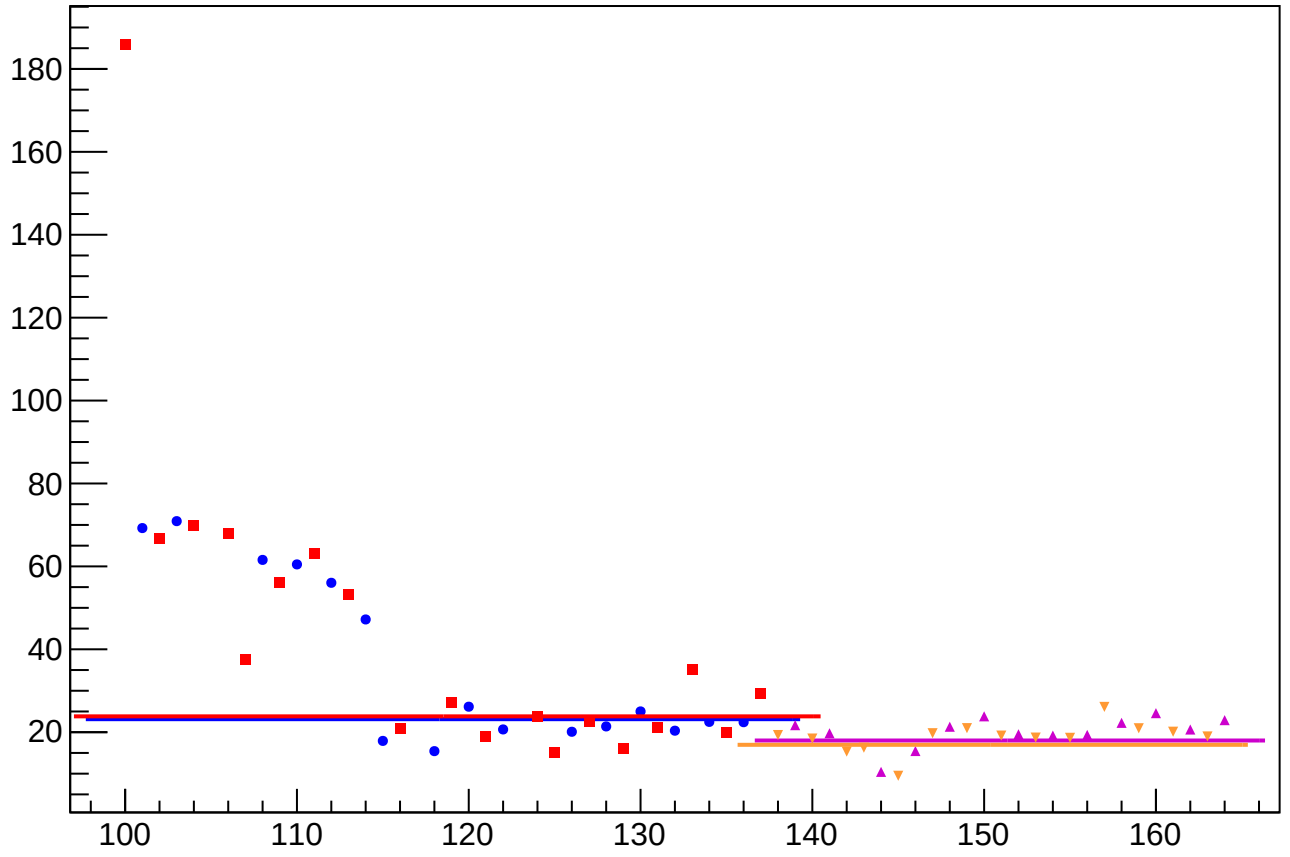
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.000+/-0.003 χ^2/NDF: 67.5/61

- 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: 16.960+/-0.004 χ^2/NDF:1374282.4/13

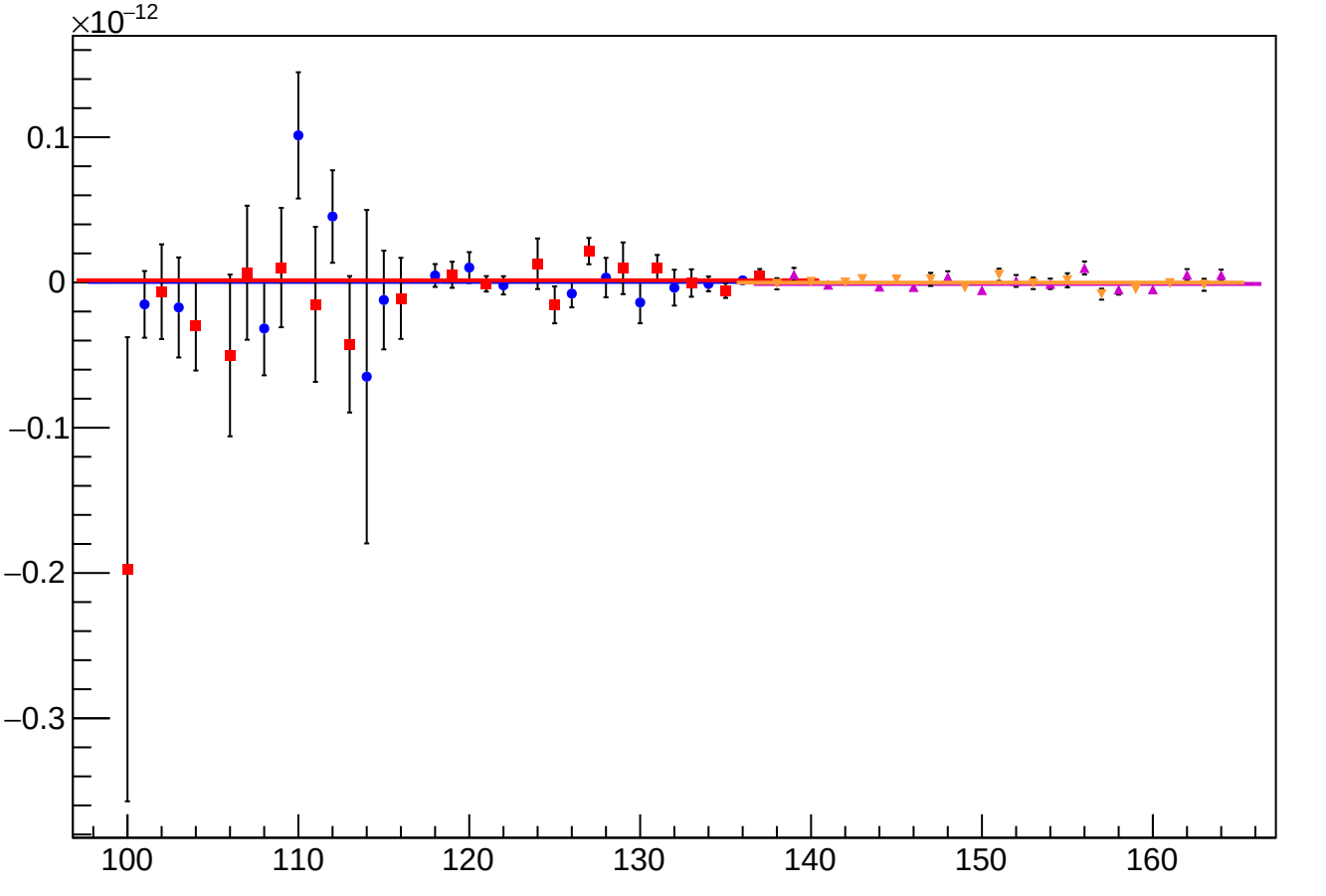
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

+ sign 18.365+/-0.003 χ^2/NDF: 4390418.6/29

All: 18.870+/-0.002 χ^2/NDF: 9191826.5/61

- 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:12.1/13

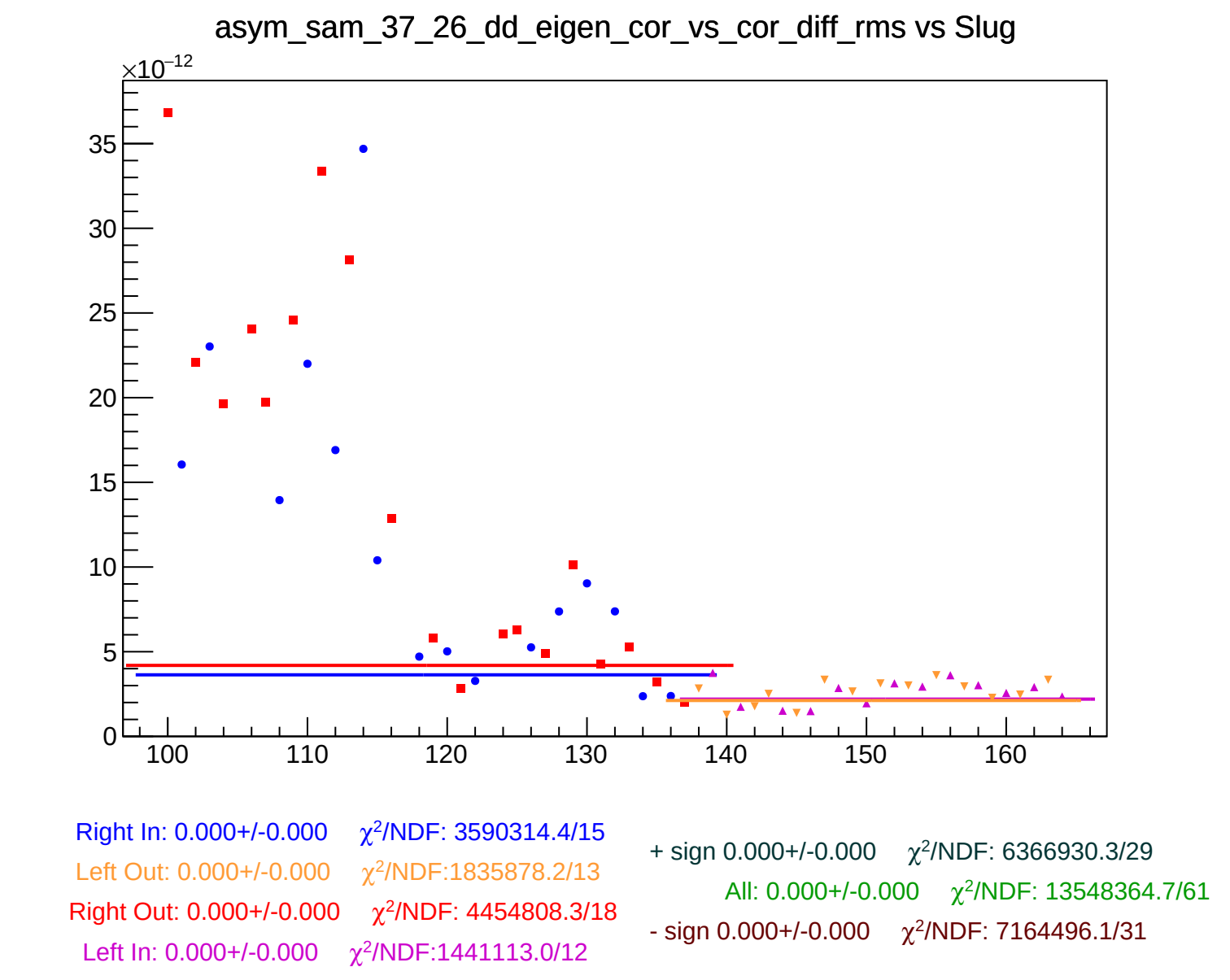
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/29

All: -0.000+/-0.000 χ^2/NDF: 64.4/61

- sign -0.000+/-0.000 χ^2/NDF: 38.9/31


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
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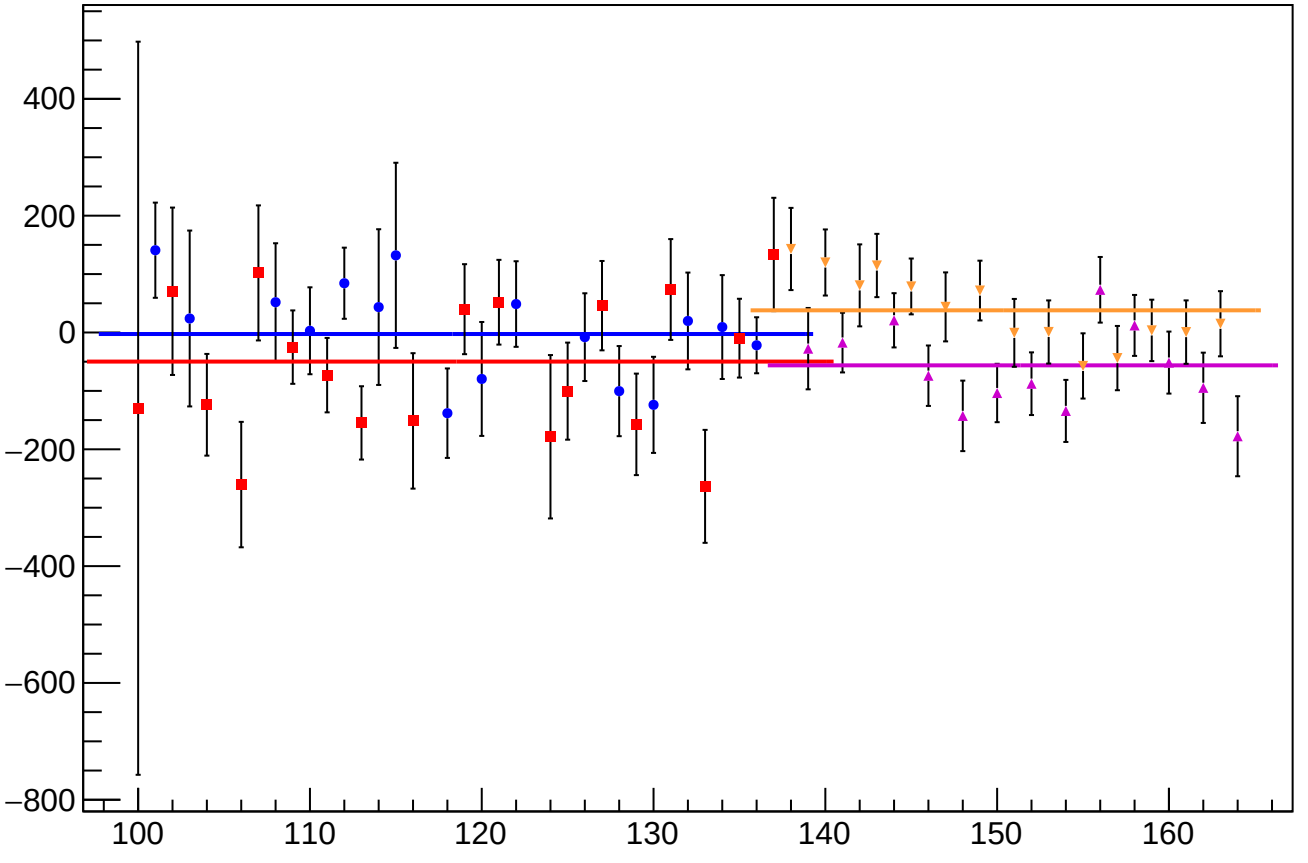
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1835878.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1441113.0/12
+ sign 0.000+/-0.000 χ²/NDF: 6366930.3/29
All: 0.000+/-0.000 χ²/NDF: 13548364.7/61
- sign 0.000+/-0.000 χ²/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: 37.940+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

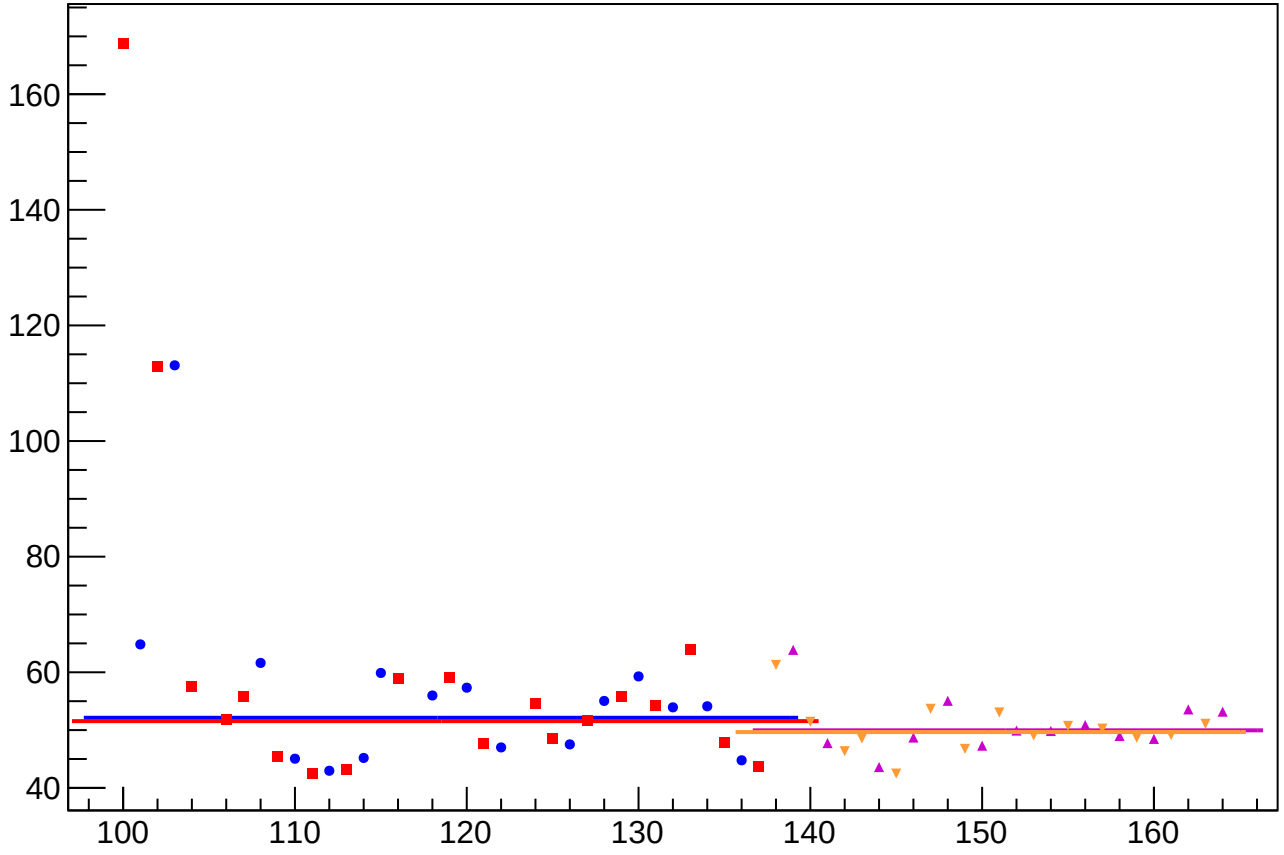
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -15.085+/-8.480 χ^2/NDF: 102.0/61

- 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: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

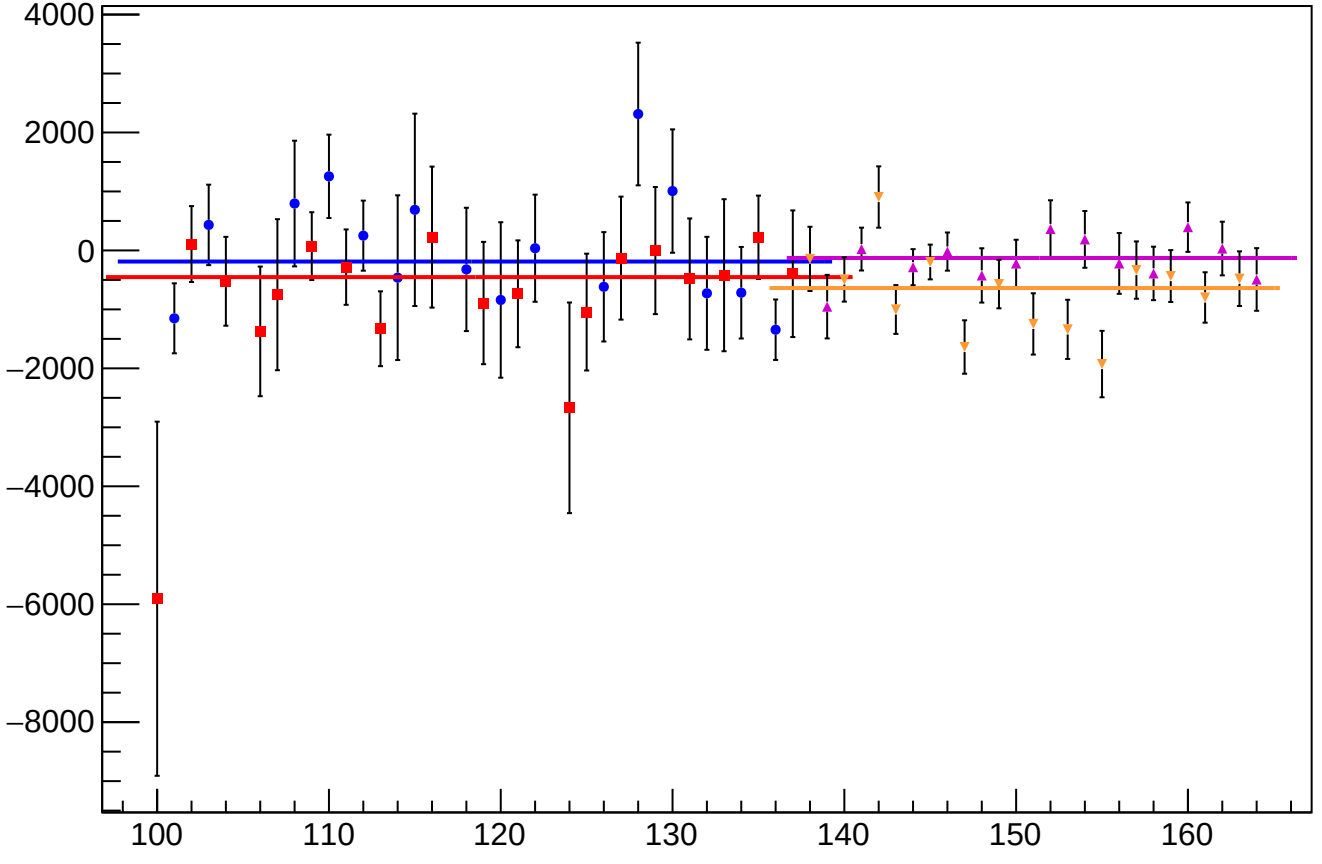
Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

+ sign 50.544+/-0.008 χ^2/NDF: 715400.8/29

All: 50.549+/-0.006 χ^2/NDF: 1519872.0/61

- sign 50.555+/-0.008 χ^2/NDF: 804470.4/31

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -638.181+/-117.315 χ^2/NDF:27.1/13

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

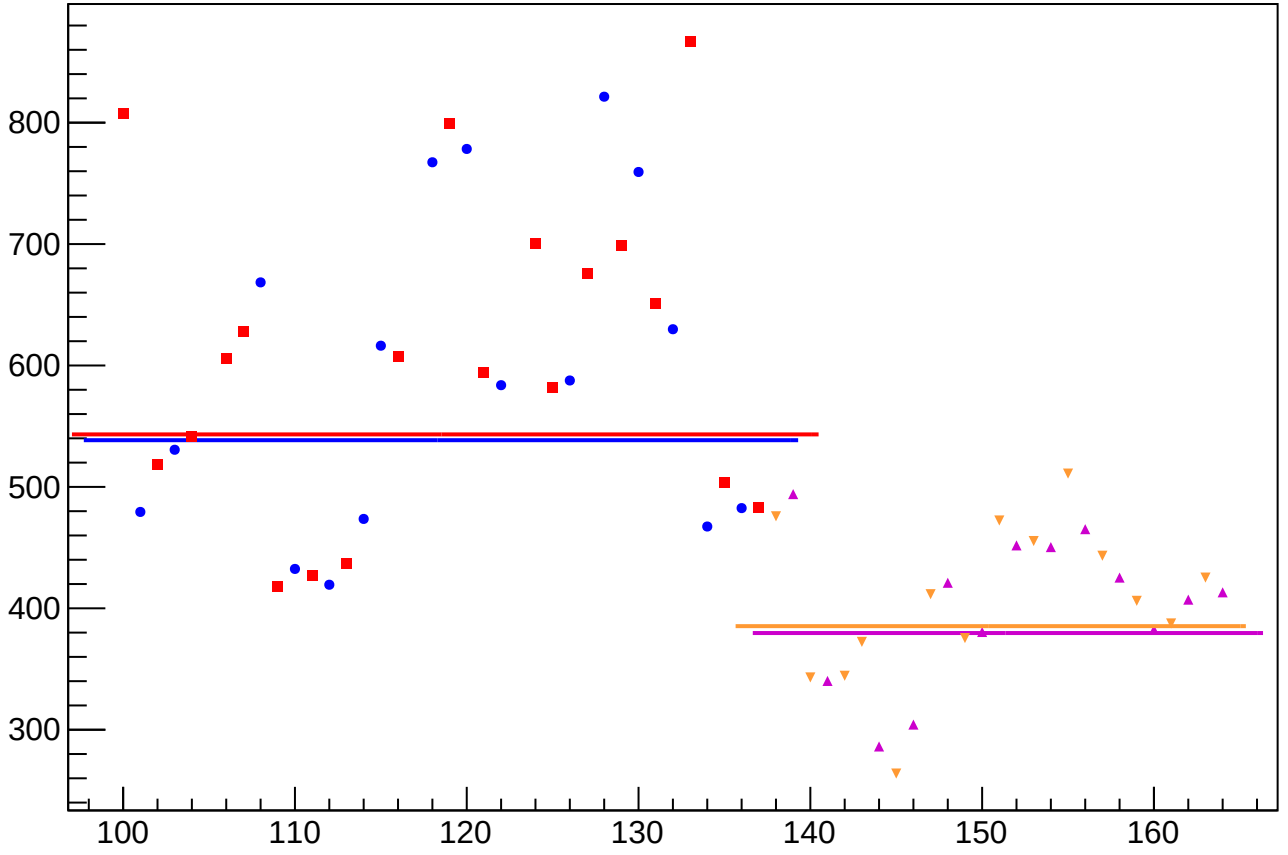
Left In: -128.495+/-116.707 χ^2/NDF:7.3/12

+ sign -527.919+/-101.920 χ^2/NDF: 52.1/29

All: -367.196+/-71.845 χ^2/NDF: 77.6/61

- 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: 385.314+/-0.083 χ^2/NDF:684272.1/13

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

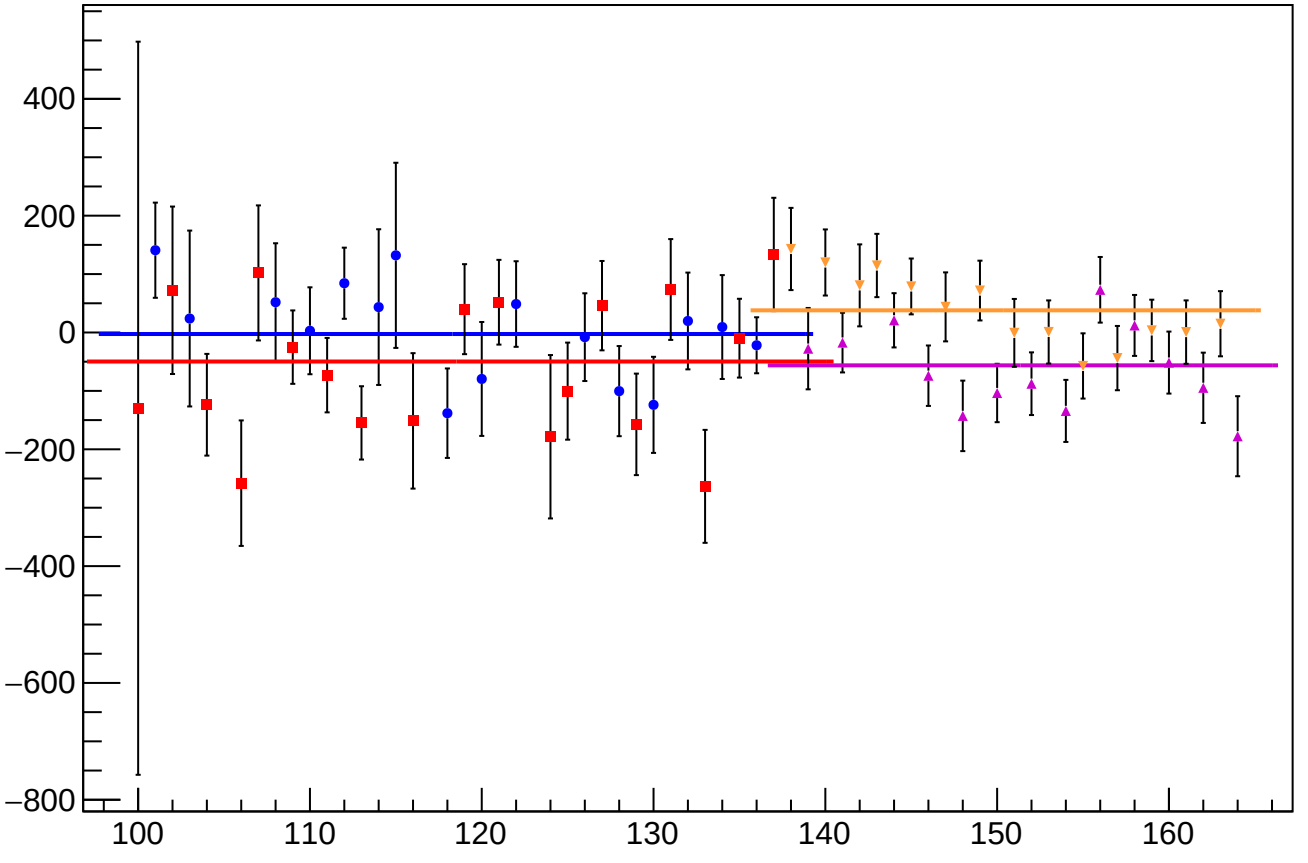
Left In: 379.644+/-0.083 χ^2/NDF:603234.6/12

\+ sign 422.873+/-0.072 χ^2/NDF: 2134176.2/29

All: 421.432+/-0.051 χ^2/NDF: 4344985.5/61

\- 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: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

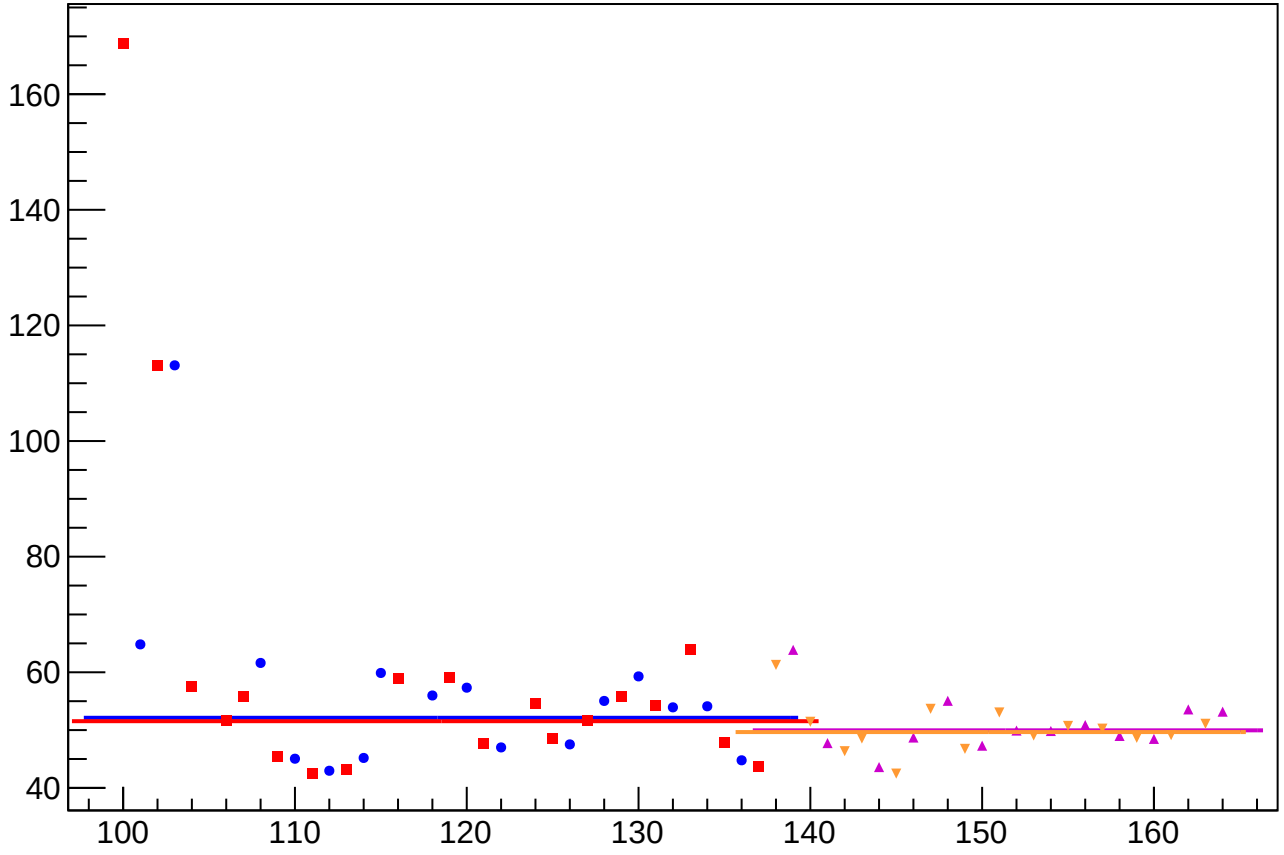
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -15.063+/-8.480 χ^2/NDF: 101.9/61

- 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: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

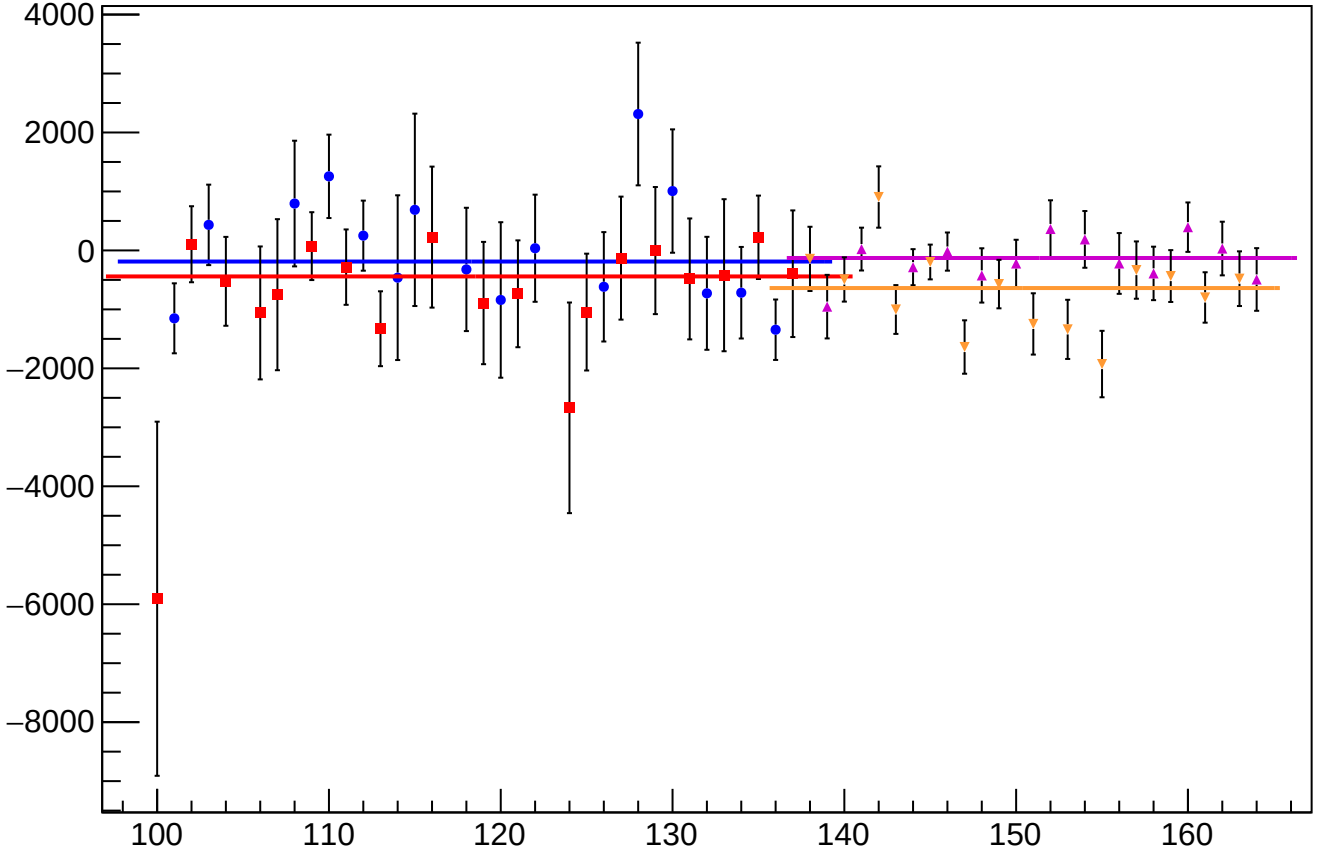
Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

+ sign 50.544+/-0.008 χ^2/NDF: 715403.1/29

All: 50.548+/-0.006 χ^2/NDF: 1519987.2/61

- sign 50.551+/-0.008 χ^2/NDF: 804583.8/31

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

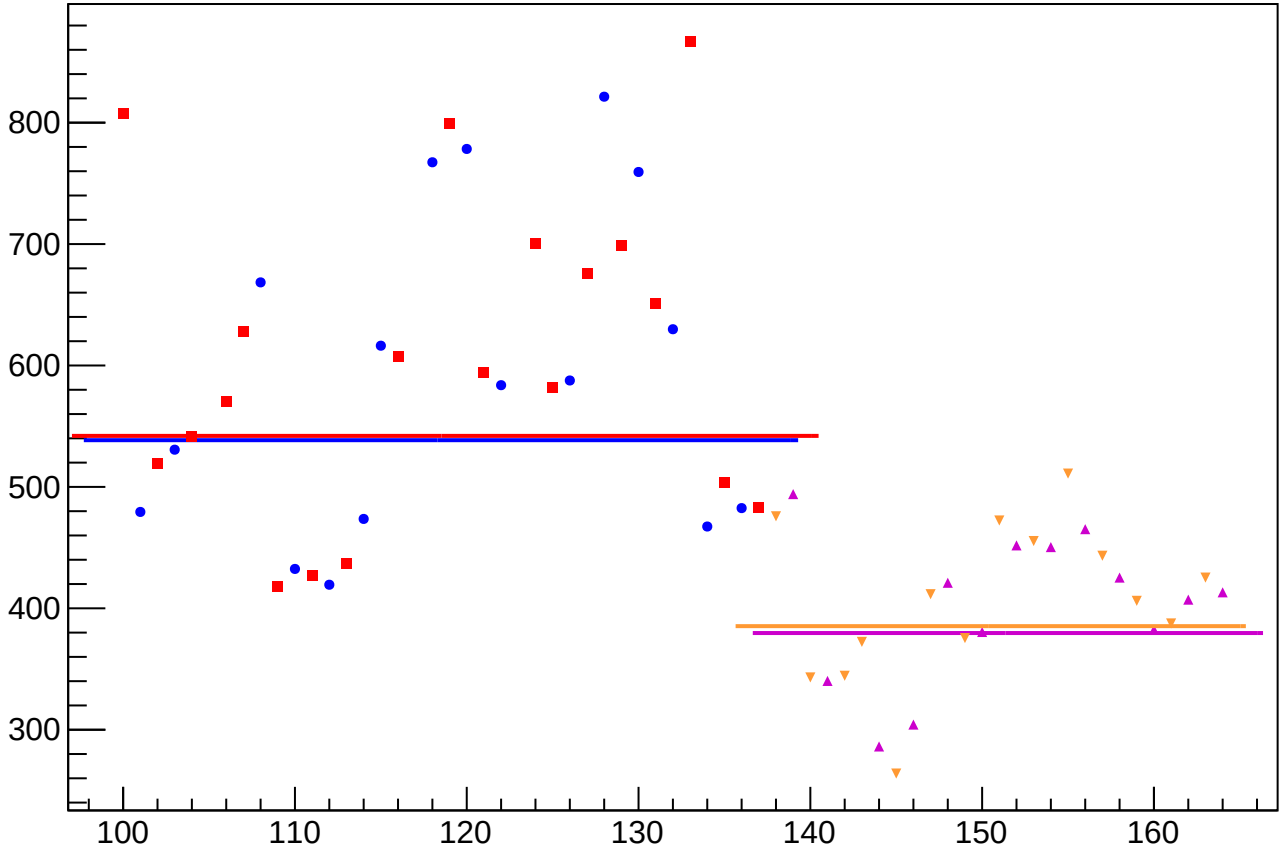
Left In: -128.498+/-116.707 χ^2/NDF:7.3/12

+ sign -527.913+/-101.920 χ^2/NDF: 52.1/29

All: -365.765+/-71.853 χ^2/NDF: 77.1/61

- 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: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

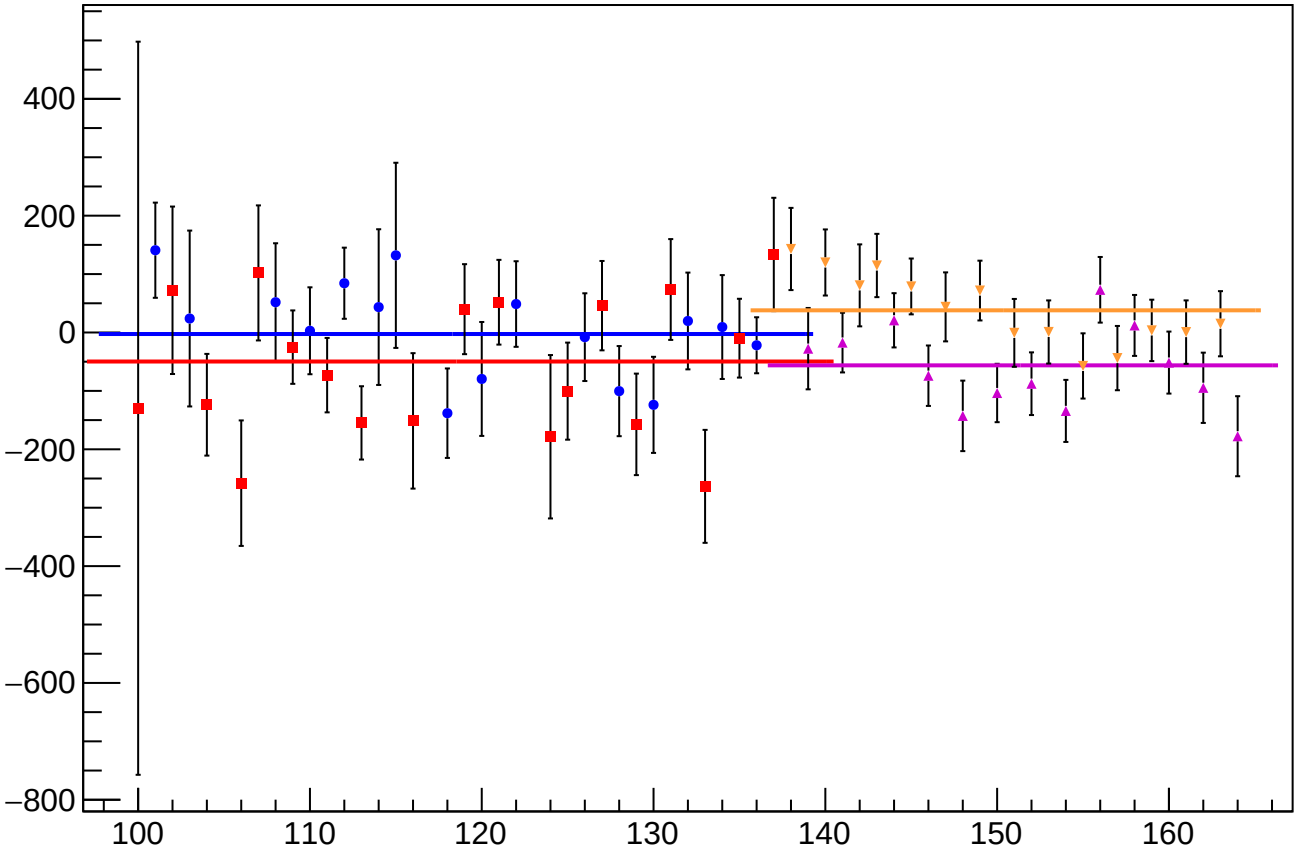
Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

\+ sign 422.873+/-0.072 χ^2/NDF: 2134222.7/29

All: 421.253+/-0.051 χ^2/NDF: 4323959.3/61

\- 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: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

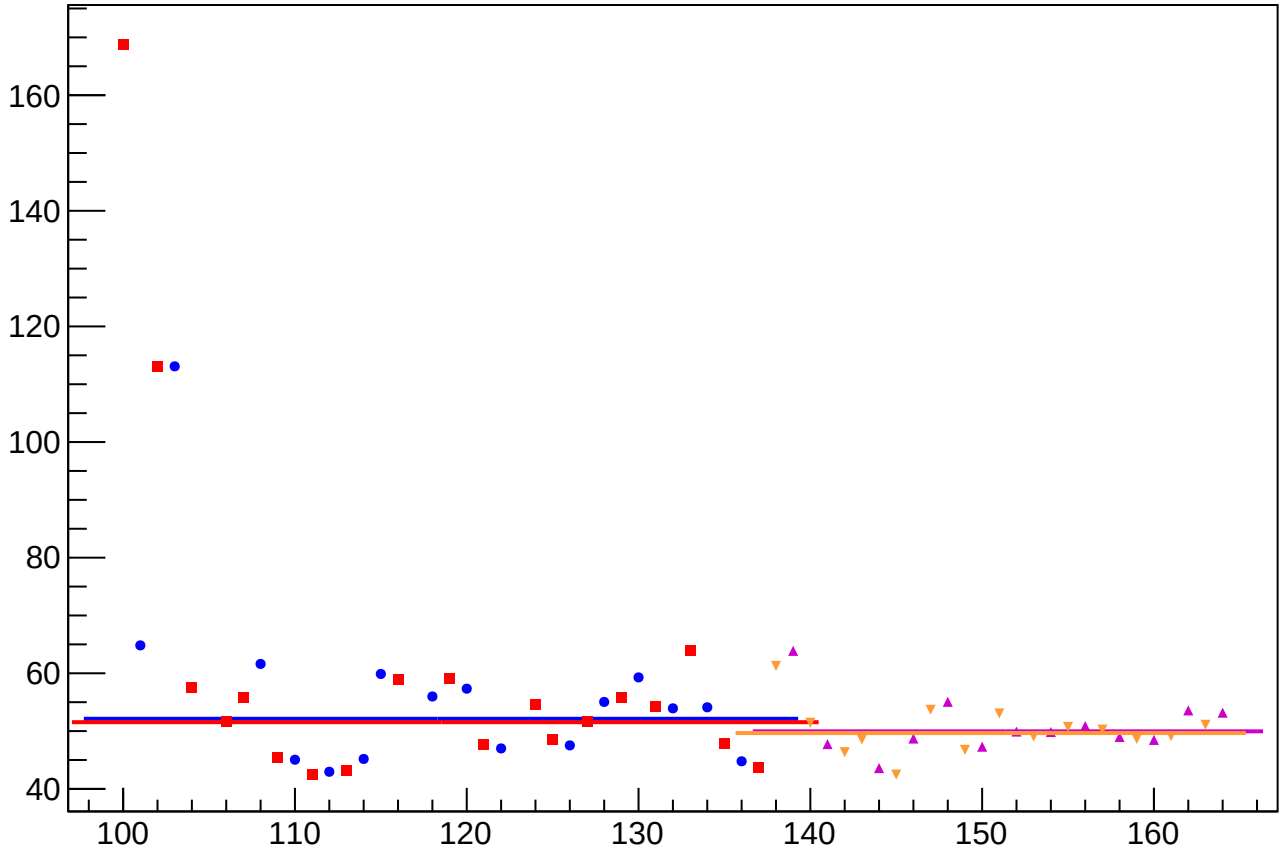
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -15.063+/-8.480 χ^2/NDF: 101.9/61

- 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: 49.658+/-0.011 χ^2/NDF:132903.7/13

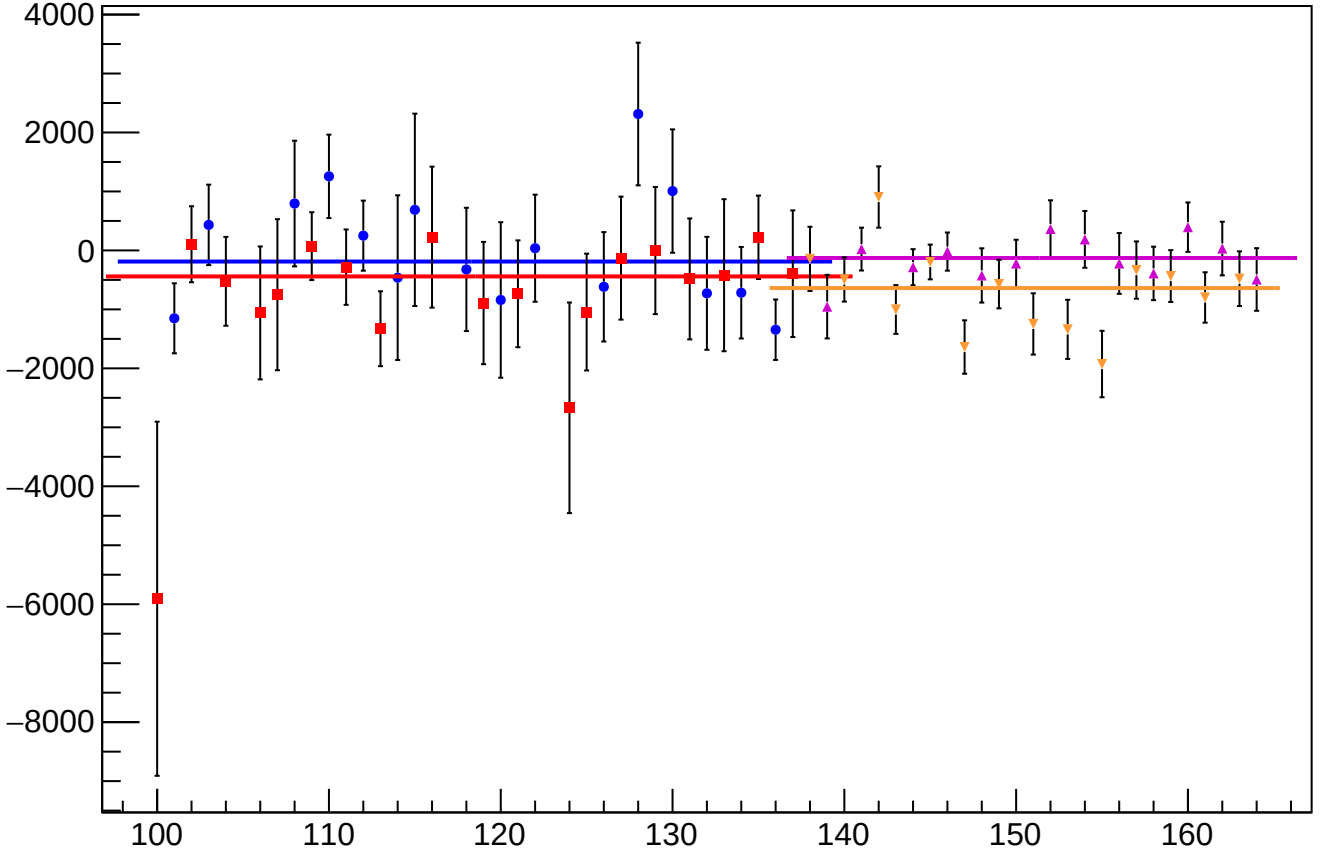
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

+ sign 50.544+/-0.008 χ^2/NDF: 715403.1/29

All: 50.548+/-0.006 χ^2/NDF: 1519987.2/61

- 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: -638.178+/-117.315 χ^2/NDF:27.1/13

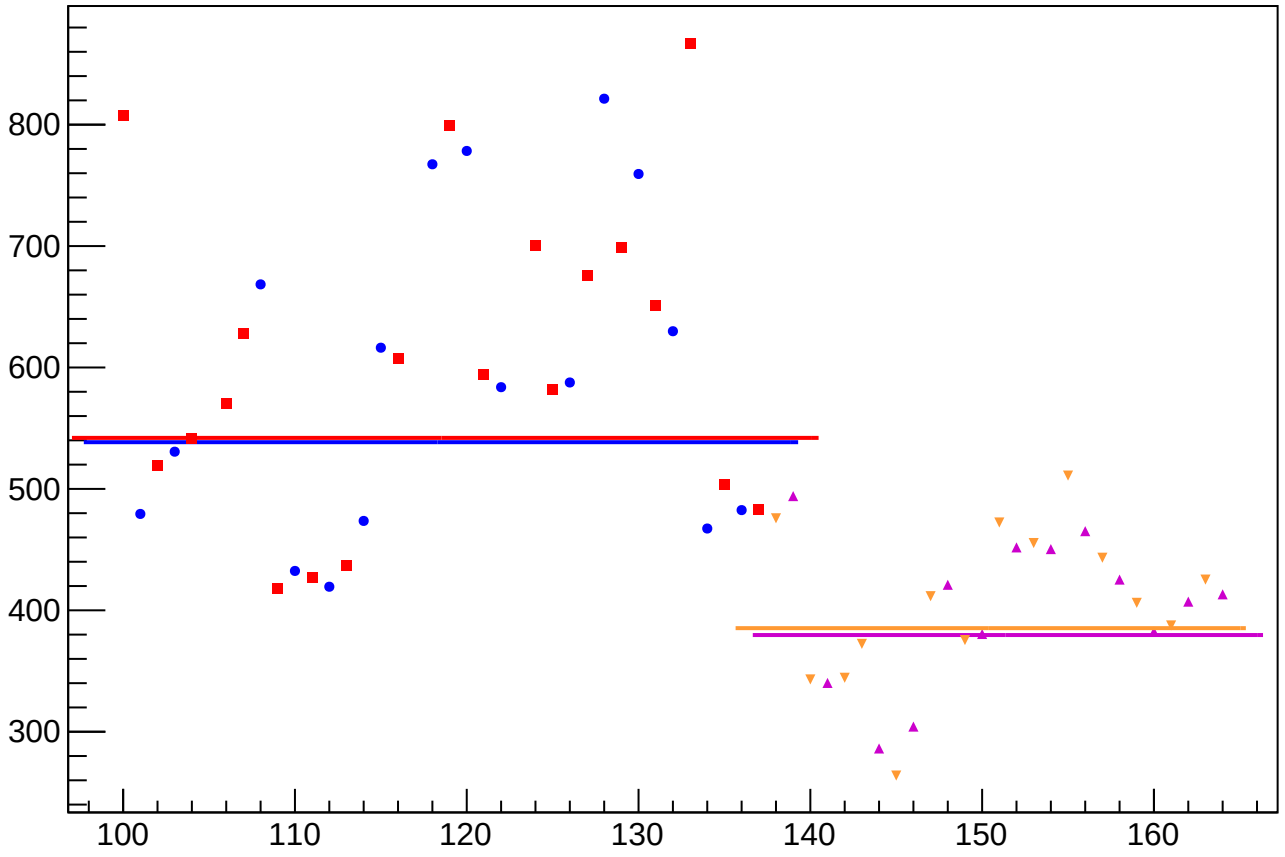
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -128.498+/-116.707 χ^2/NDF:7.3/12

+ sign -527.913+/-101.920 χ^2/NDF: 52.1/29

All: -365.765+/-71.853 χ^2/NDF: 77.1/61

- sign -205.536+/-101.315 χ^2/NDF: 20.0/31



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

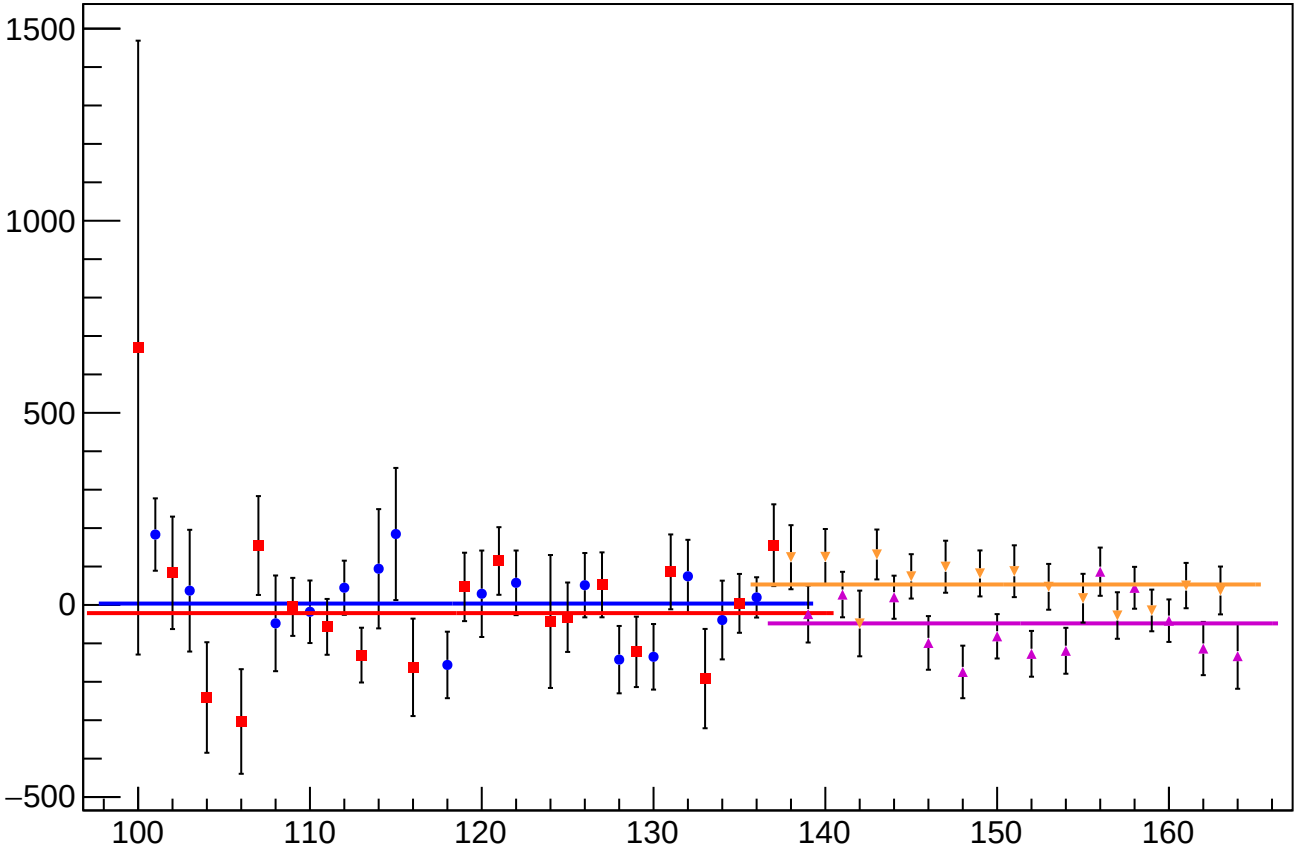
Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

\+ sign 422.873+/-0.072 χ^2/NDF: 2134222.7/29

All: 421.253+/-0.051 χ^2/NDF: 4323959.3/61

\- 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: 53.296+/-17.120 χ^2/NDF:9.4/13

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

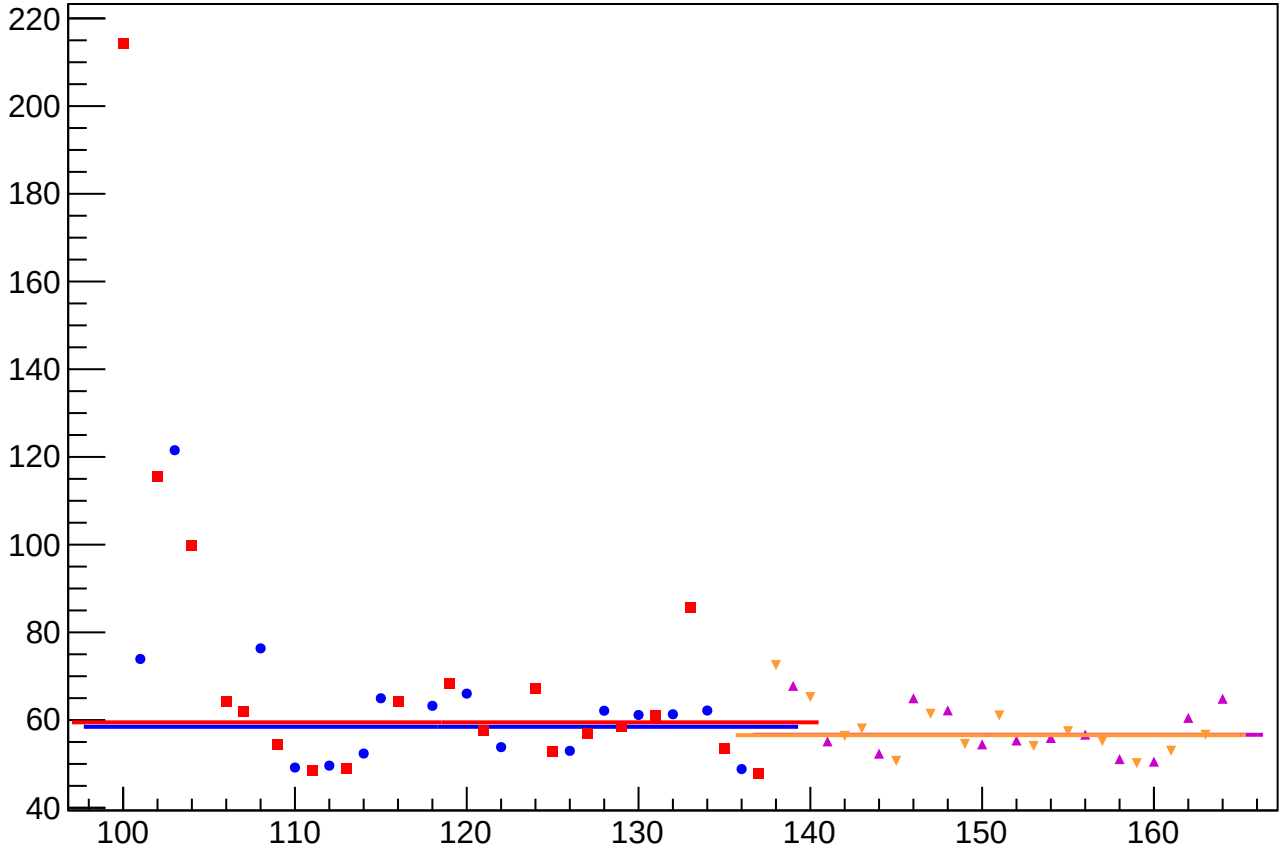
Left In: -48.003+/-17.331 χ^2/NDF:20.1/12

+ sign 35.052+/-13.620 χ^2/NDF: 28.6/29

All: -1.114+/-9.690 χ^2/NDF: 88.2/61

- 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: 56.555+/-0.012 χ^2/NDF:184929.4/13

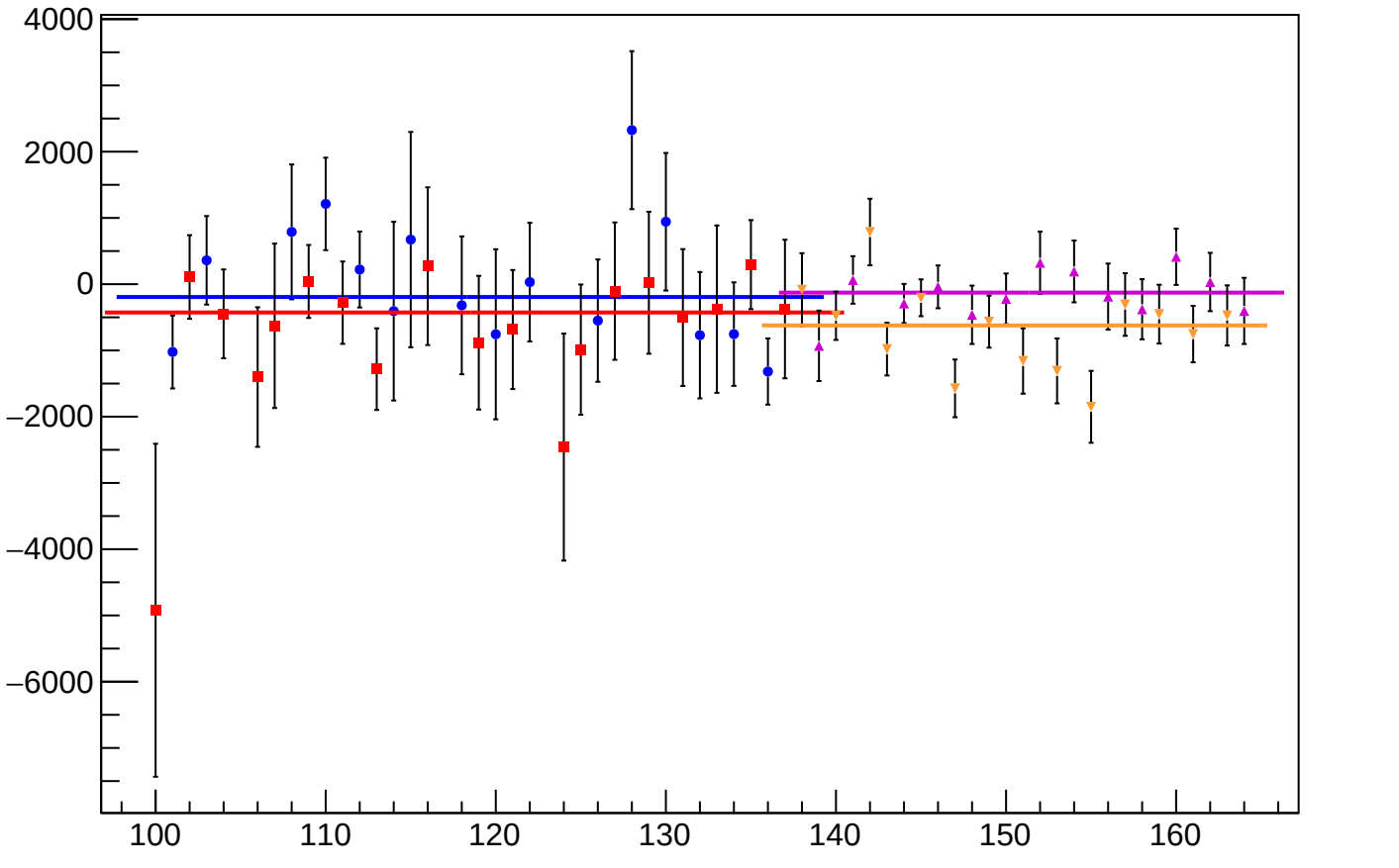
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.650+/-0.012 χ^2/NDF:174177.0/12

+ sign 57.256+/-0.010 χ^2/NDF: 777052.6/29

All: 57.470+/-0.007 χ^2/NDF: 1756727.5/61

- sign 57.690+/-0.010 χ^2/NDF: 978675.9/31



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

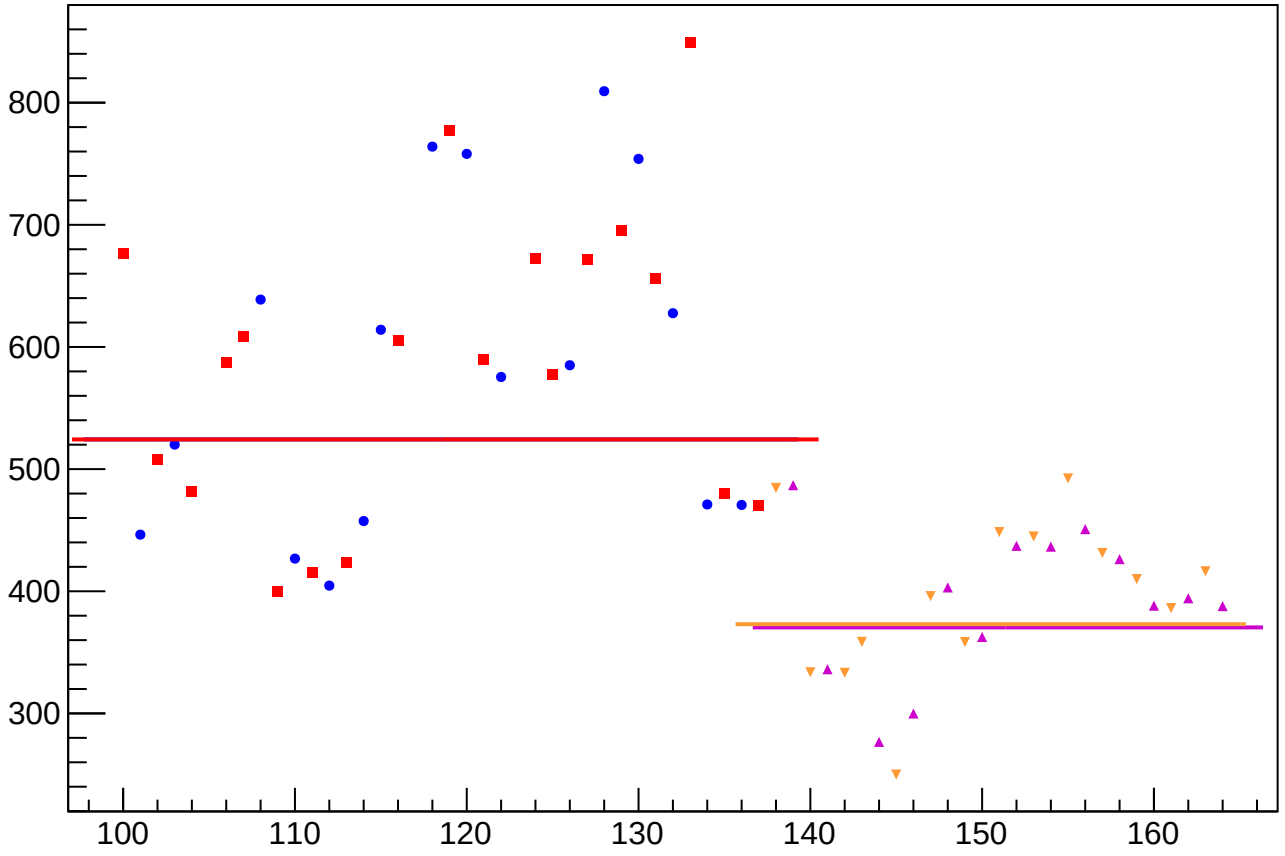
Left In: -127.477+/-113.917 χ^2/NDF:7.3/12

+ sign -518.378+/-98.899 χ^2/NDF: 50.1/29

All: -360.000+/-69.832 χ^2/NDF: 75.6/61

- 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: 373.042+/-0.080 χ^2/NDF:771220.2/13

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

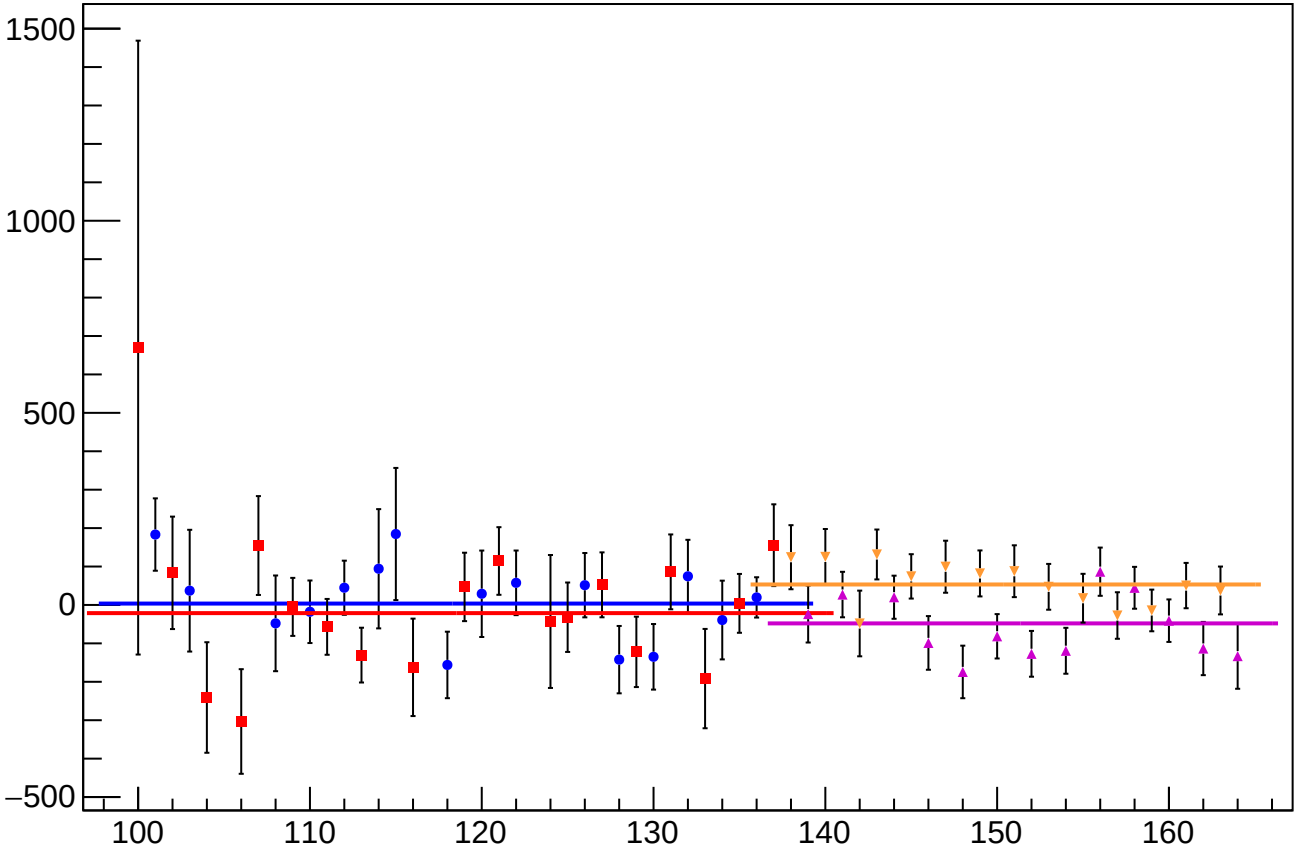
Left In: 370.416+/-0.081 χ^2/NDF:597721.8/12

+ sign 409.812+/-0.070 χ^2/NDF: 2290713.6/29

All: 409.394+/-0.049 χ^2/NDF: 4489150.3/61

- 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: 53.297+/-17.120 χ^2/NDF:9.4/13

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

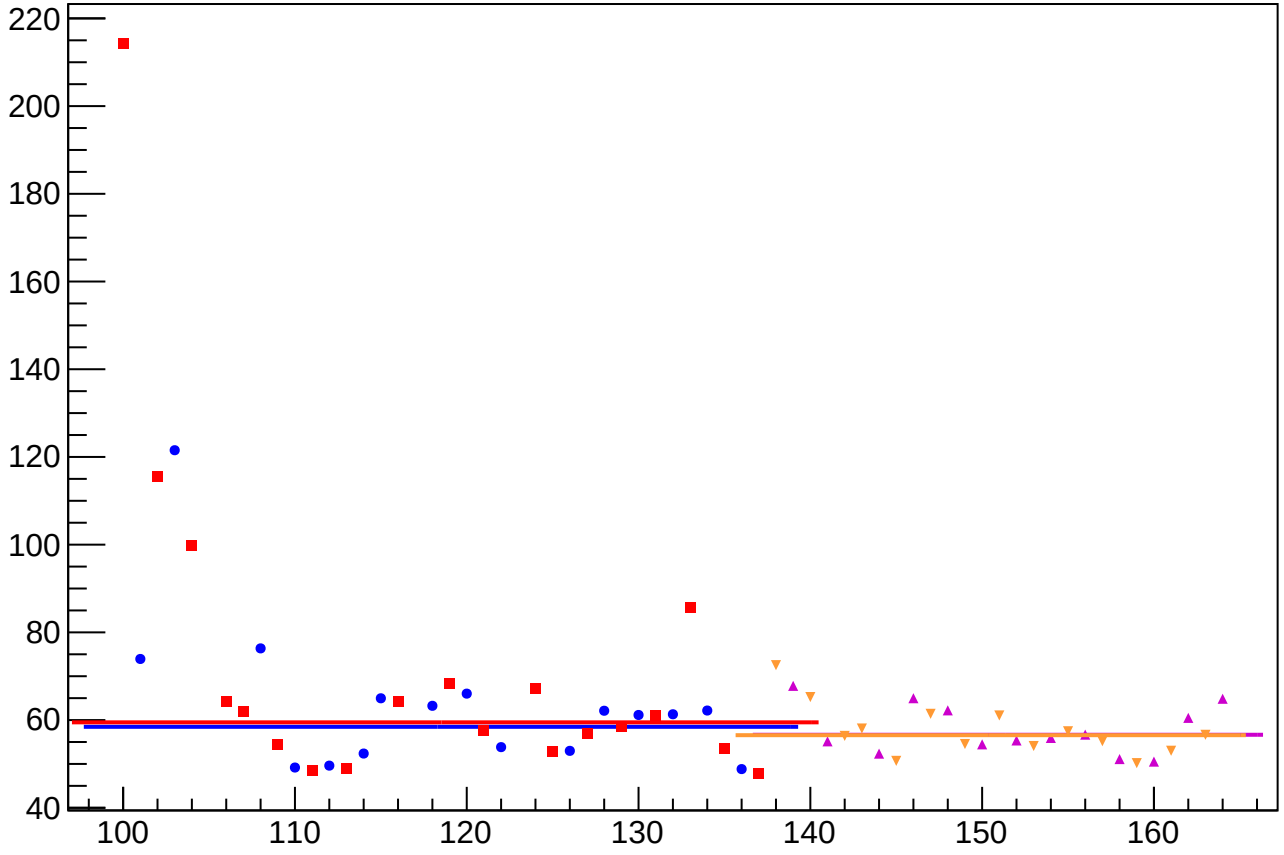
Left In: -48.003+/-17.331 χ^2/NDF:20.1/12

+ sign 35.053+/-13.620 χ^2/NDF: 28.6/29

All: -1.114+/-9.690 χ^2/NDF: 88.2/61

- 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: 56.556+/-0.012 χ^2/NDF:184934.6/13

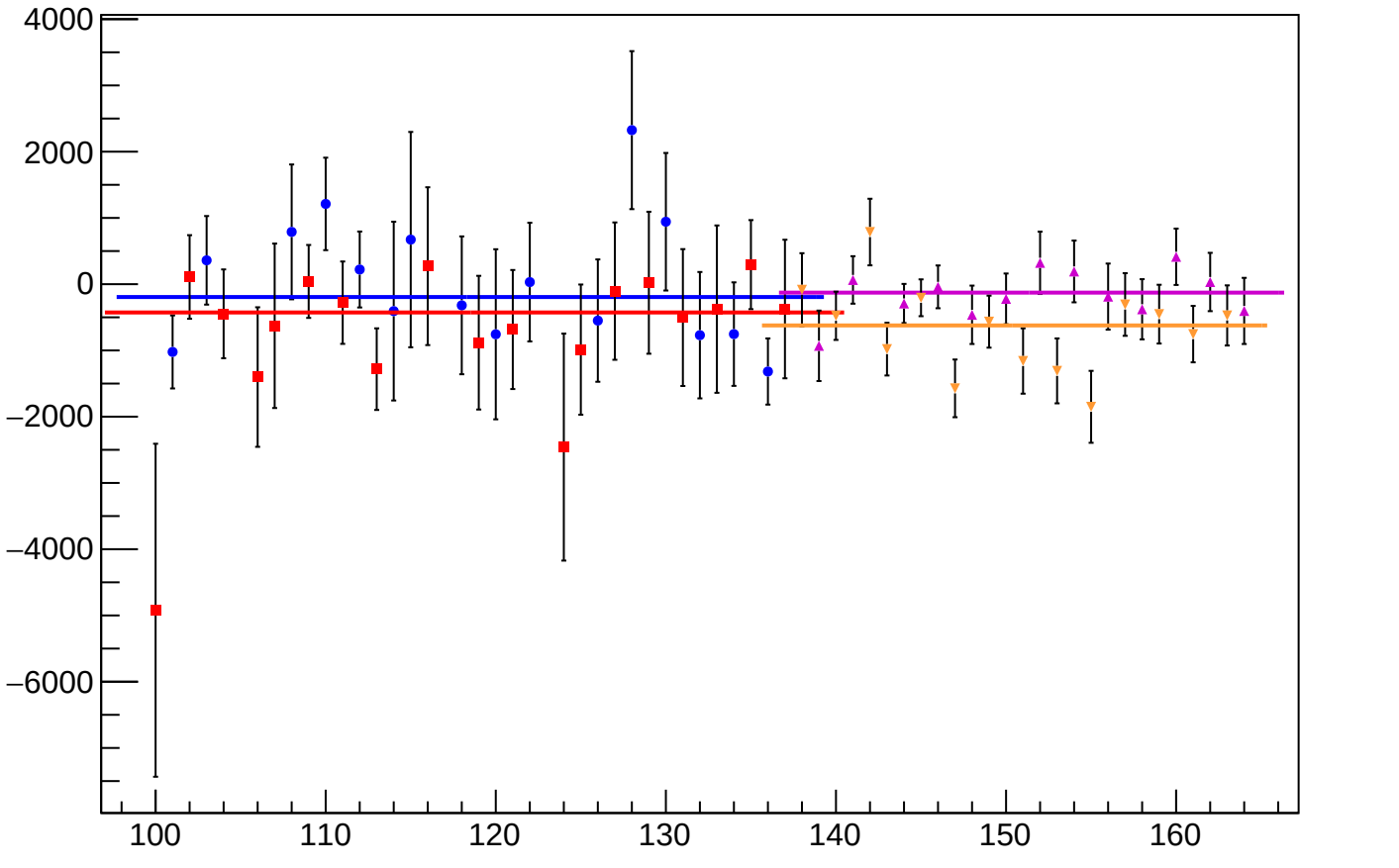
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.650+/-0.012 χ^2/NDF:174179.5/12

+ sign 57.257+/-0.010 χ^2/NDF: 777053.3/29

All: 57.471+/-0.007 χ^2/NDF: 1756730.2/61

- 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: -622.569+/-113.673 χ^2/NDF:25.9/13

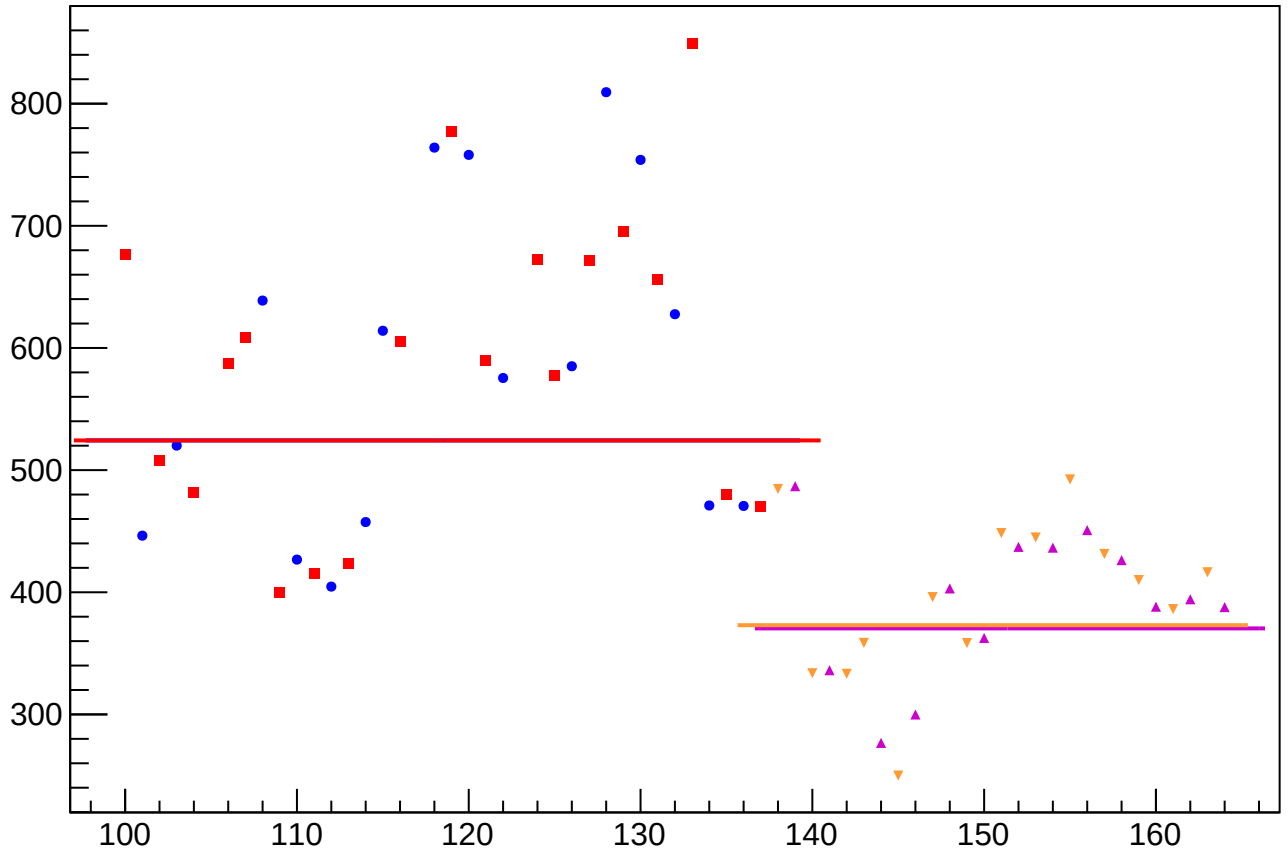
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -127.476+/-113.917 χ^2/NDF:7.3/12

+ sign -518.378+/-98.899 χ^2/NDF: 50.1/29

All: -360.000+/-69.832 χ^2/NDF: 75.6/61

- sign -202.525+/-98.616 χ^2/NDF: 20.4/31



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 373.041+/-0.080 χ^2/NDF:771216.6/13

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

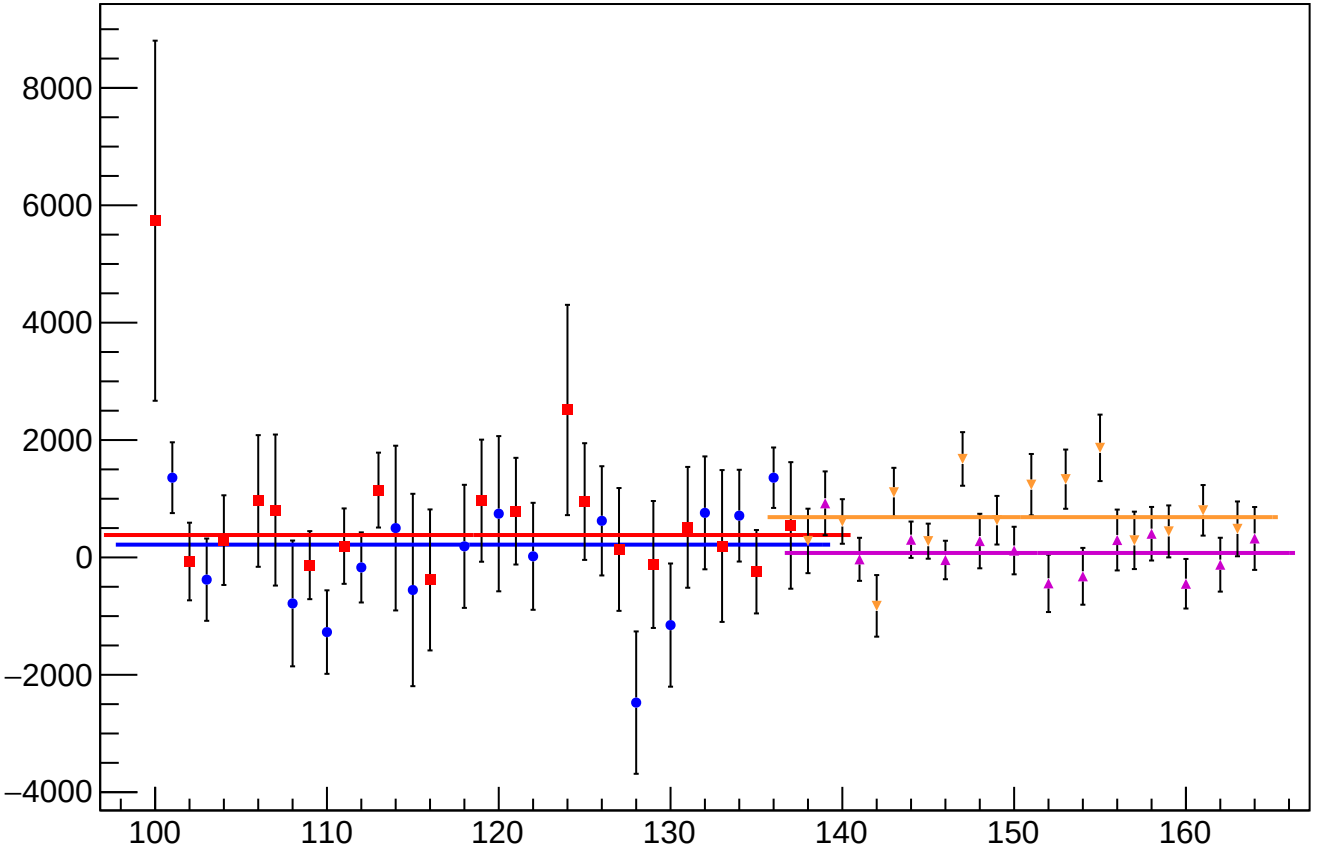
Left In: 370.416+/-0.081 χ^2/NDF:597718.1/12

+ sign 409.812+/-0.070 χ^2/NDF: 2290709.8/29

All: 409.393+/-0.049 χ^2/NDF: 4489139.3/61

- 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: 686.469+/-118.354 χ^2/NDF:24.8/13

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

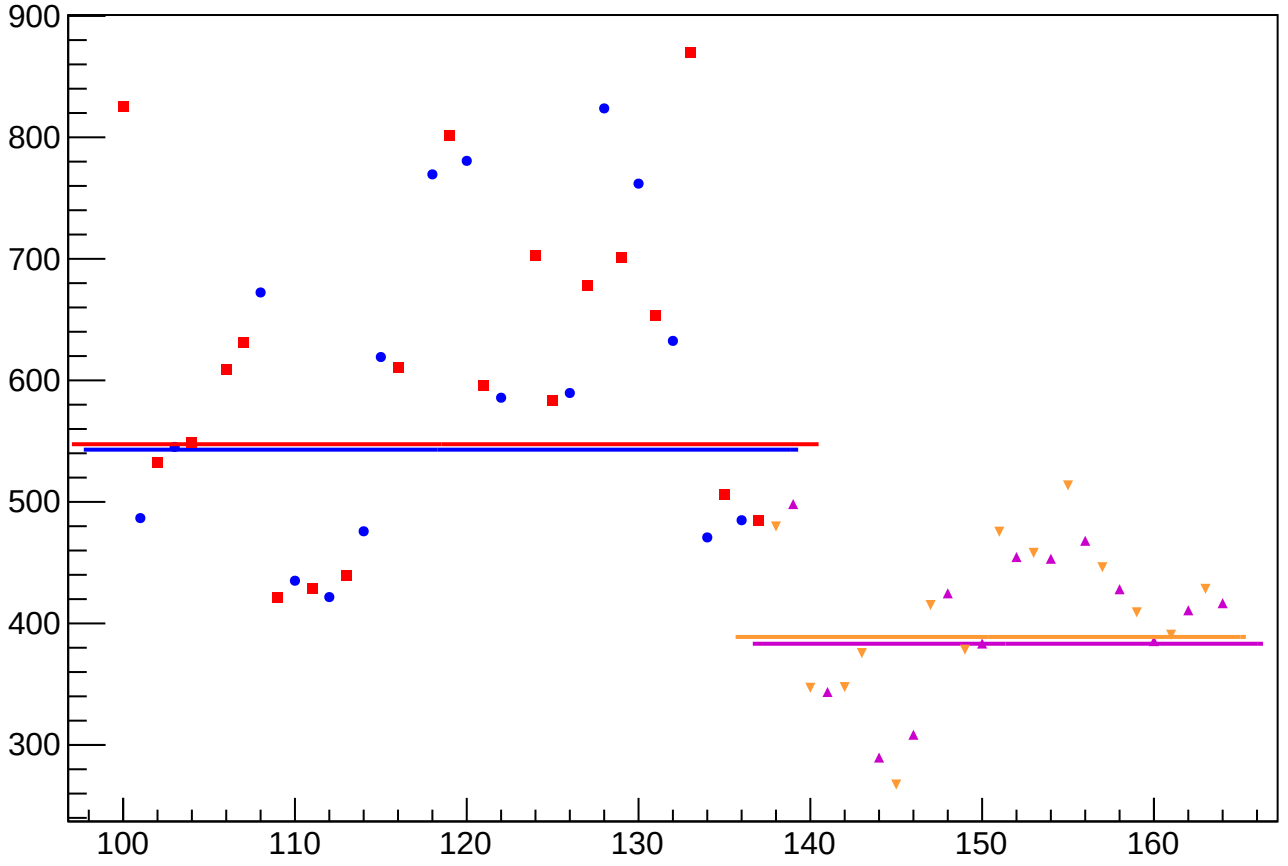
Left In: 76.095+/-117.782 χ^2/NDF:7.8/12

+ sign 571.406+/-102.806 χ^2/NDF: 51.6/29

All: 360.283+/-72.479 χ^2/NDF: 79.4/61

- 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: 388.883+/-0.084 χ^2/NDF:667160.8/13

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

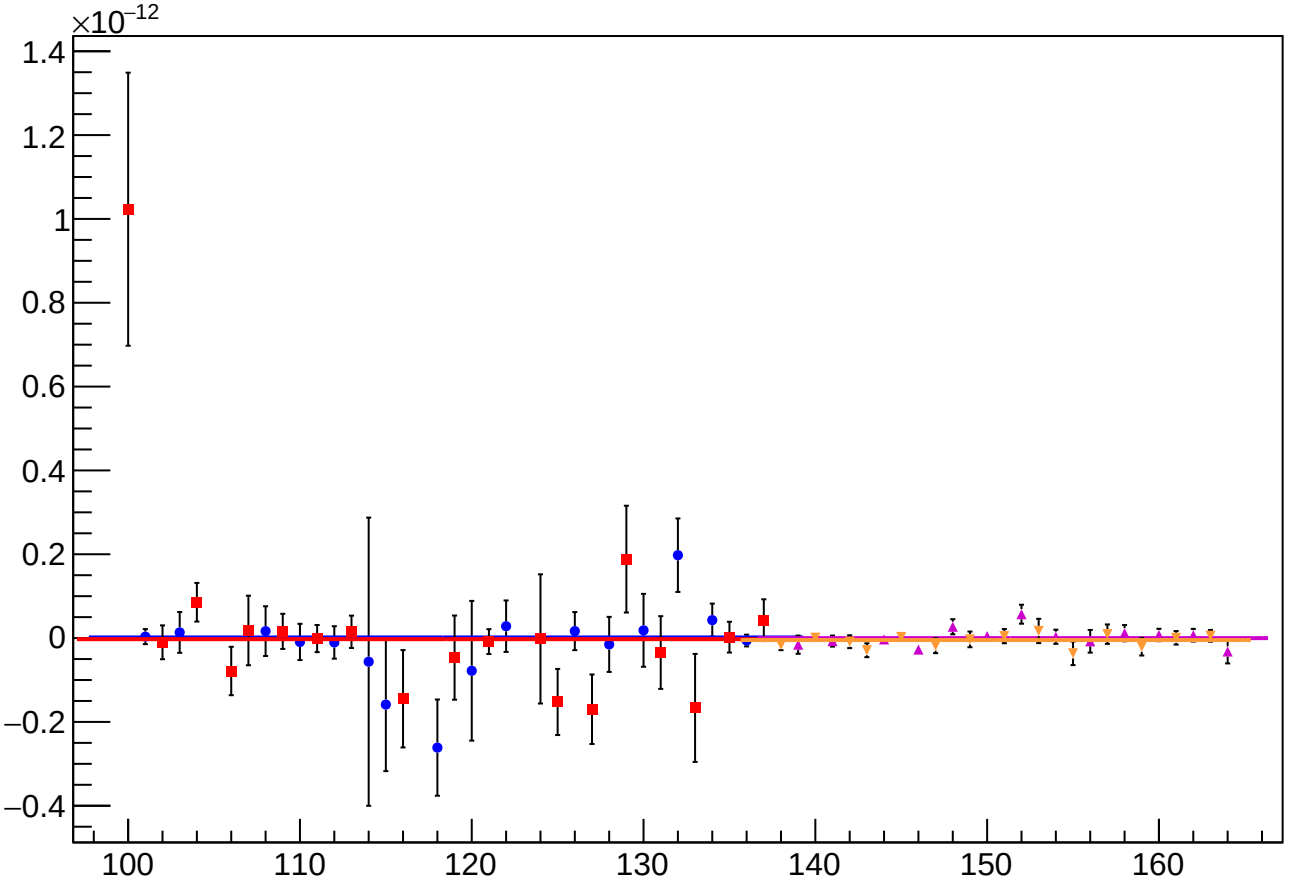
Left In: 383.290+/-0.083 χ^2/NDF:588222.7/12

\+ sign 426.716+/-0.073 χ^2/NDF: 2104904.1/29

All: 425.280+/-0.051 χ^2/NDF: 4284444.9/61

\- sign 423.860+/-0.072 χ^2/NDF: 2178764.4/31

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

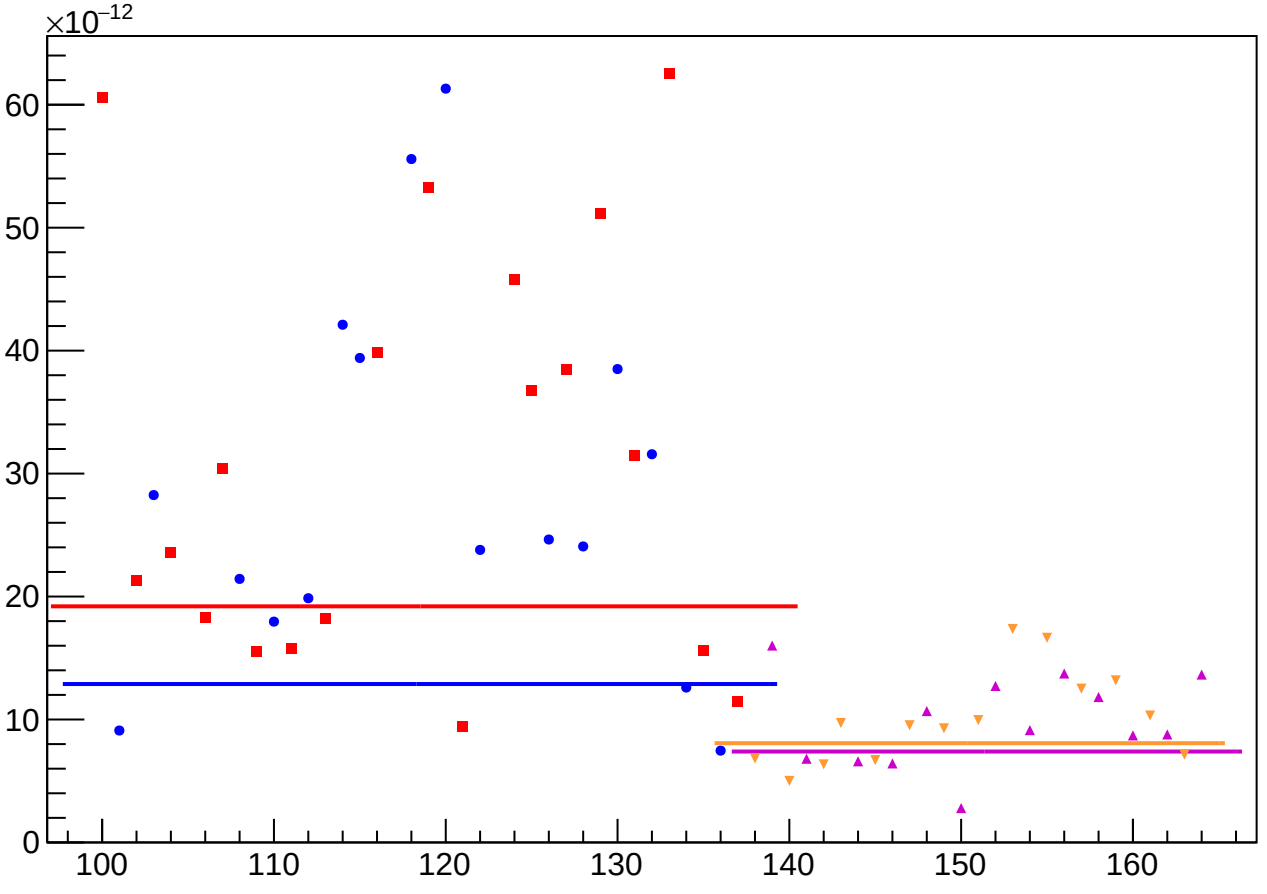
Left In: -0.000+/-0.000 χ^2/NDF:18.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/29

All: -0.000+/-0.000 χ^2/NDF: 70.8/61

- 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:1009648.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

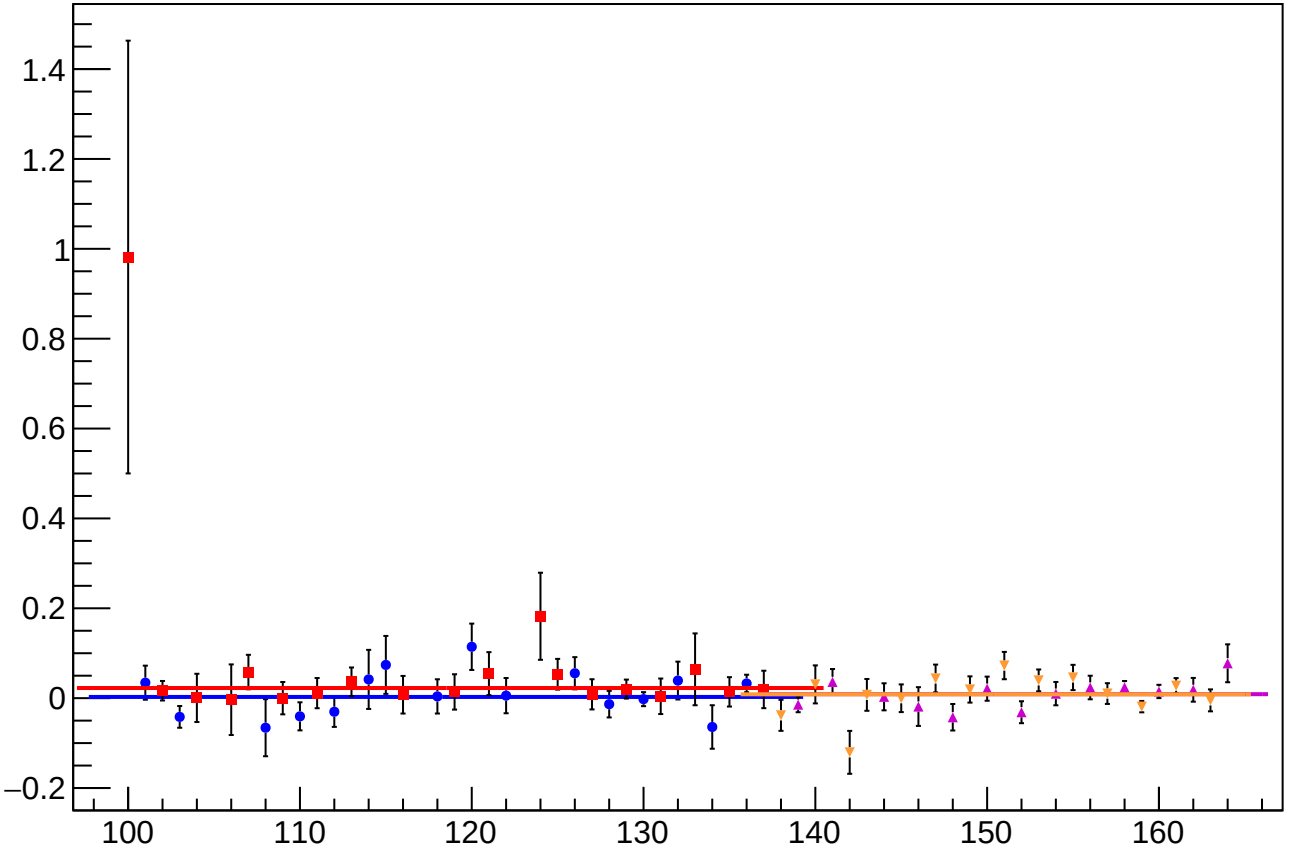
Left In: 0.000+/-0.000 χ^2/NDF:1500095.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3236198.0/29

All: 0.000+/-0.000 χ^2/NDF: 7821229.0/61

- sign 0.000+/-0.000 χ^2/NDF: 4577517.2/31

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

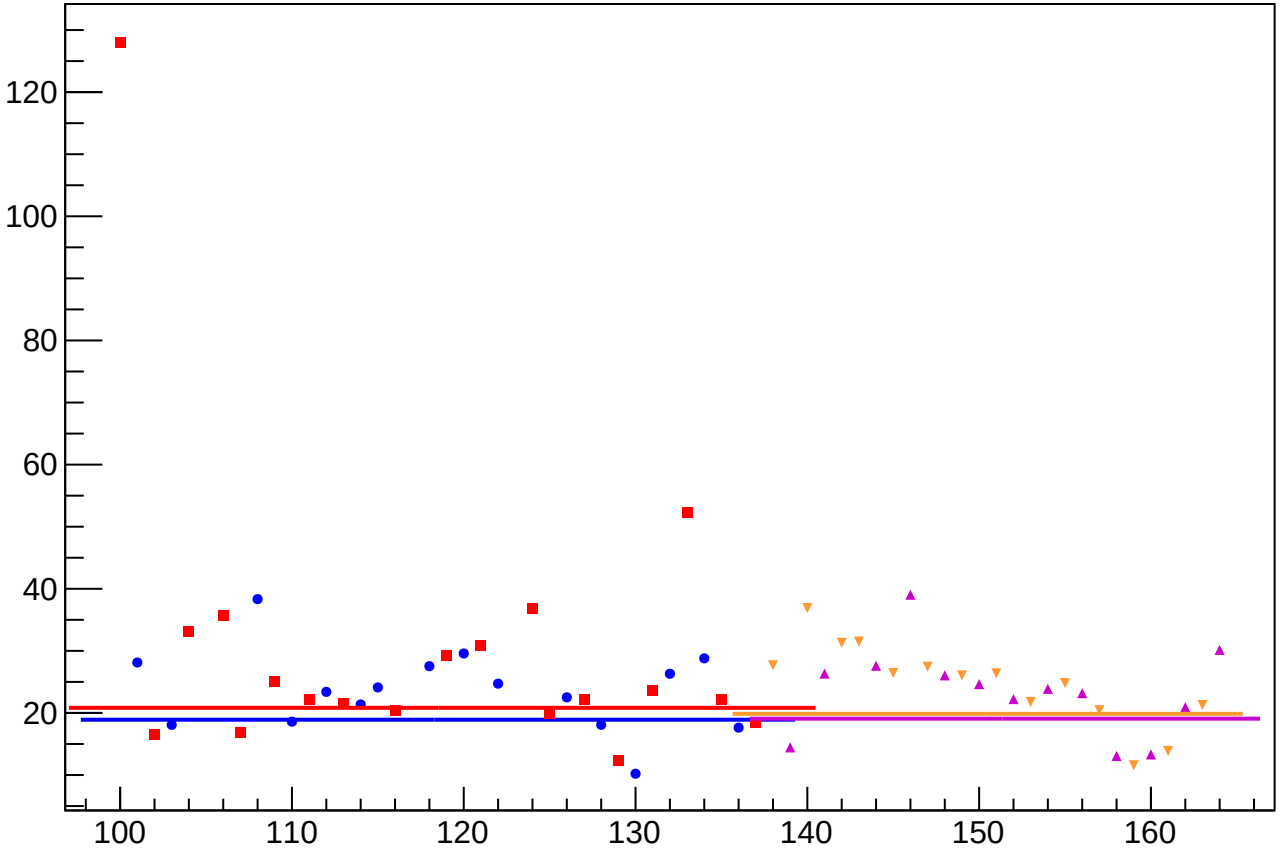
Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.010+/-0.004 χ^2/NDF: 74.5/61

- 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: 19.855+/-0.005 χ^2/NDF:2337451.6/13

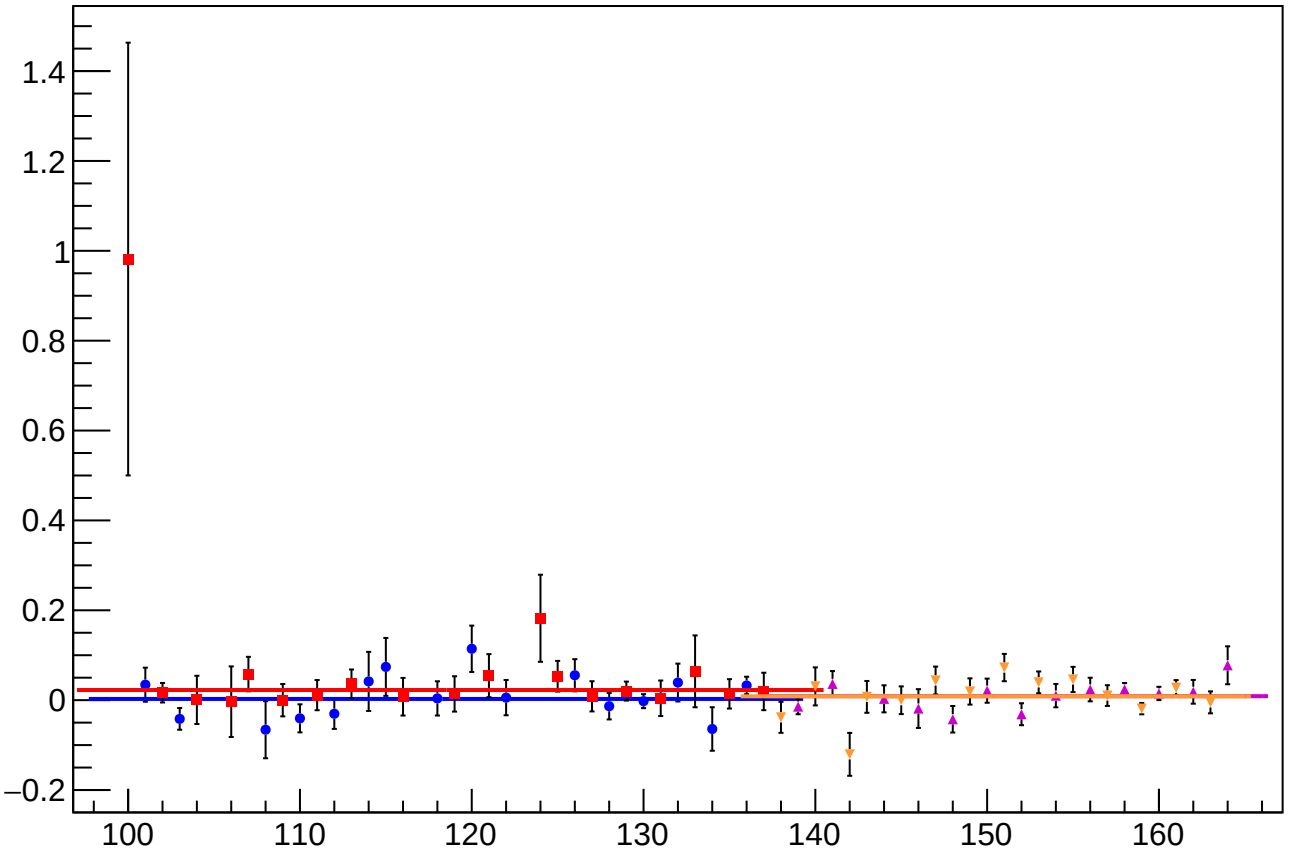
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

\+ sign 19.464+/-0.004 χ^2/NDF: 3744924.5/29

All: 19.584+/-0.003 χ^2/NDF: 7115302.4/61

\- 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: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

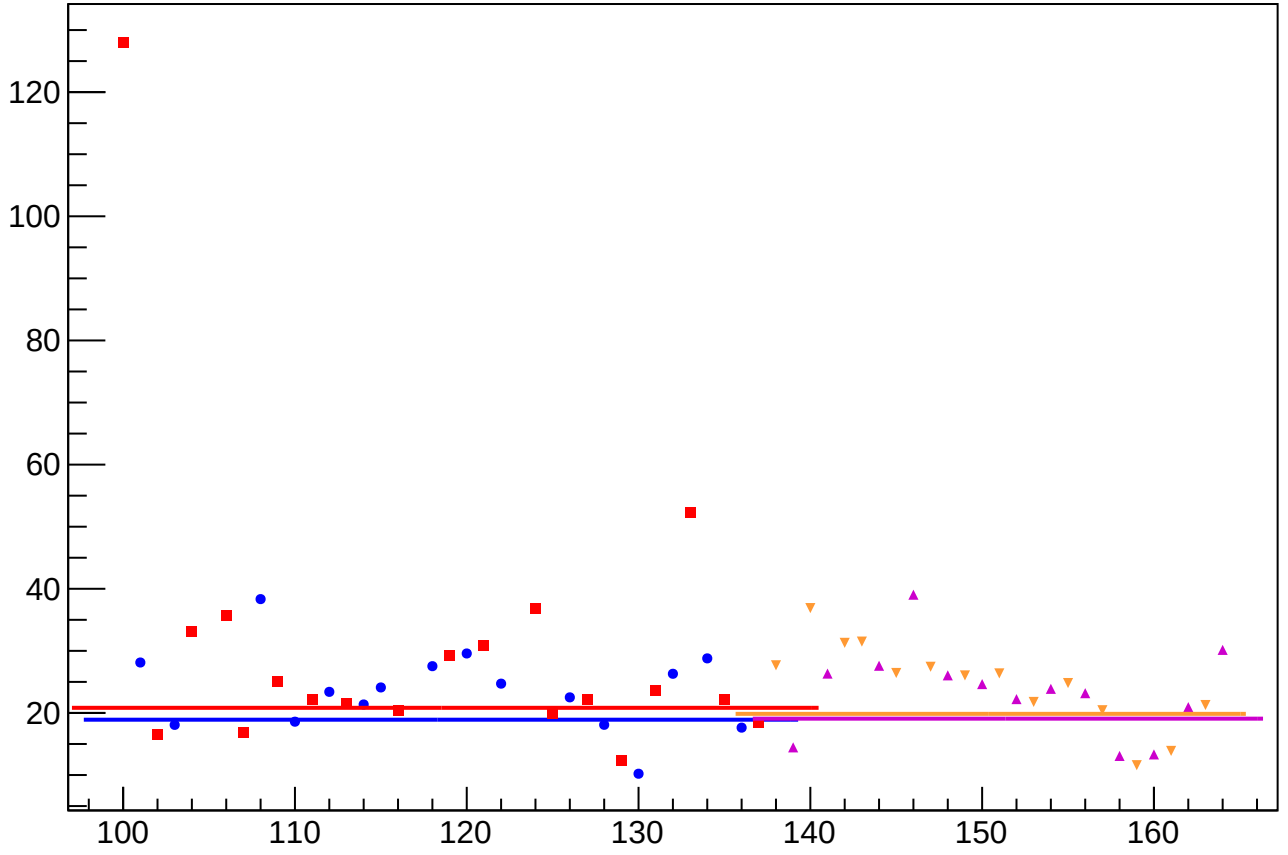
Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.010+/-0.004 χ^2/NDF: 74.5/61

- sign 0.014+/-0.005 χ^2/NDF: 26.0/31

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337451.6/13

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

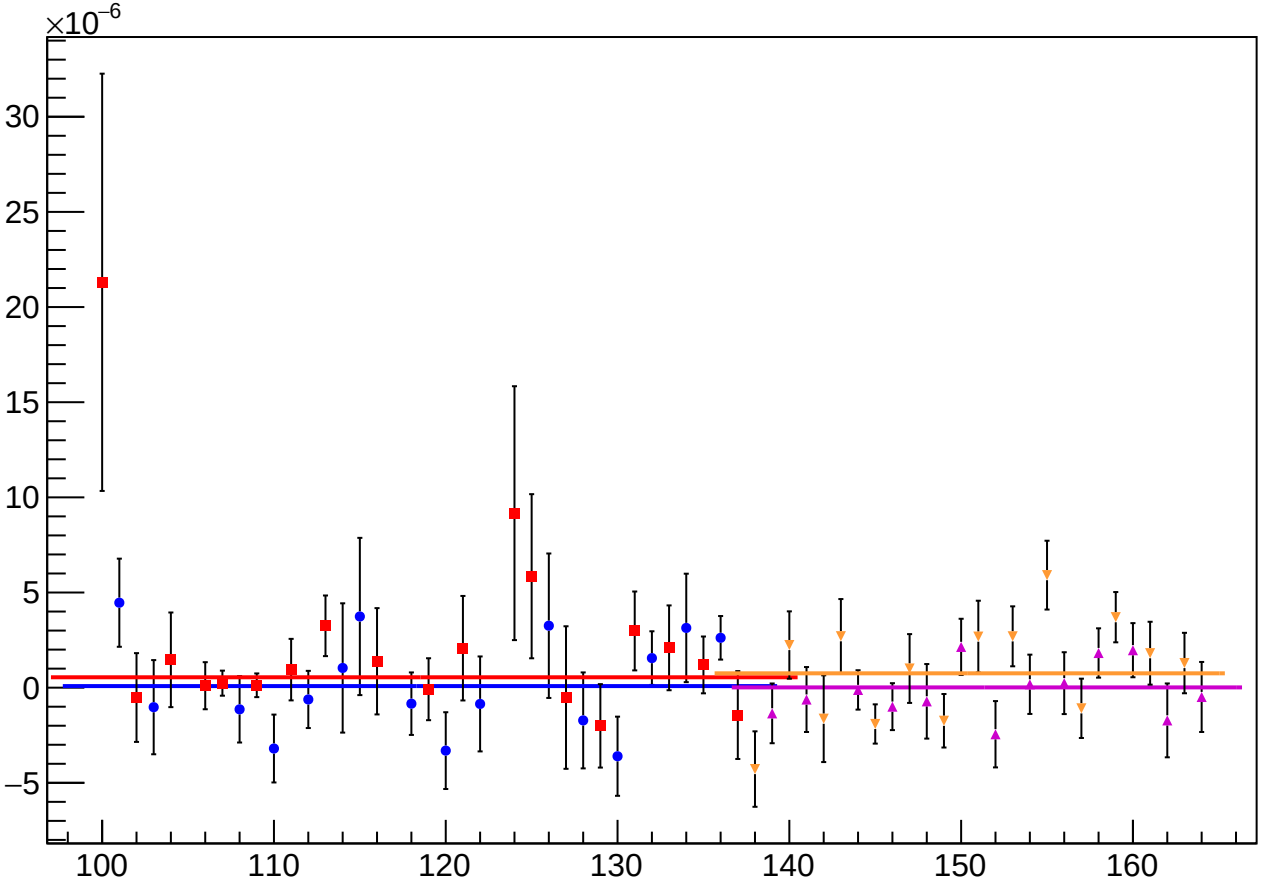
Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

+ sign 19.464+/-0.004 χ^2/NDF: 3744924.5/29

All: 19.584+/-0.003 χ^2/NDF: 7115302.4/61

- 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:36.7/13

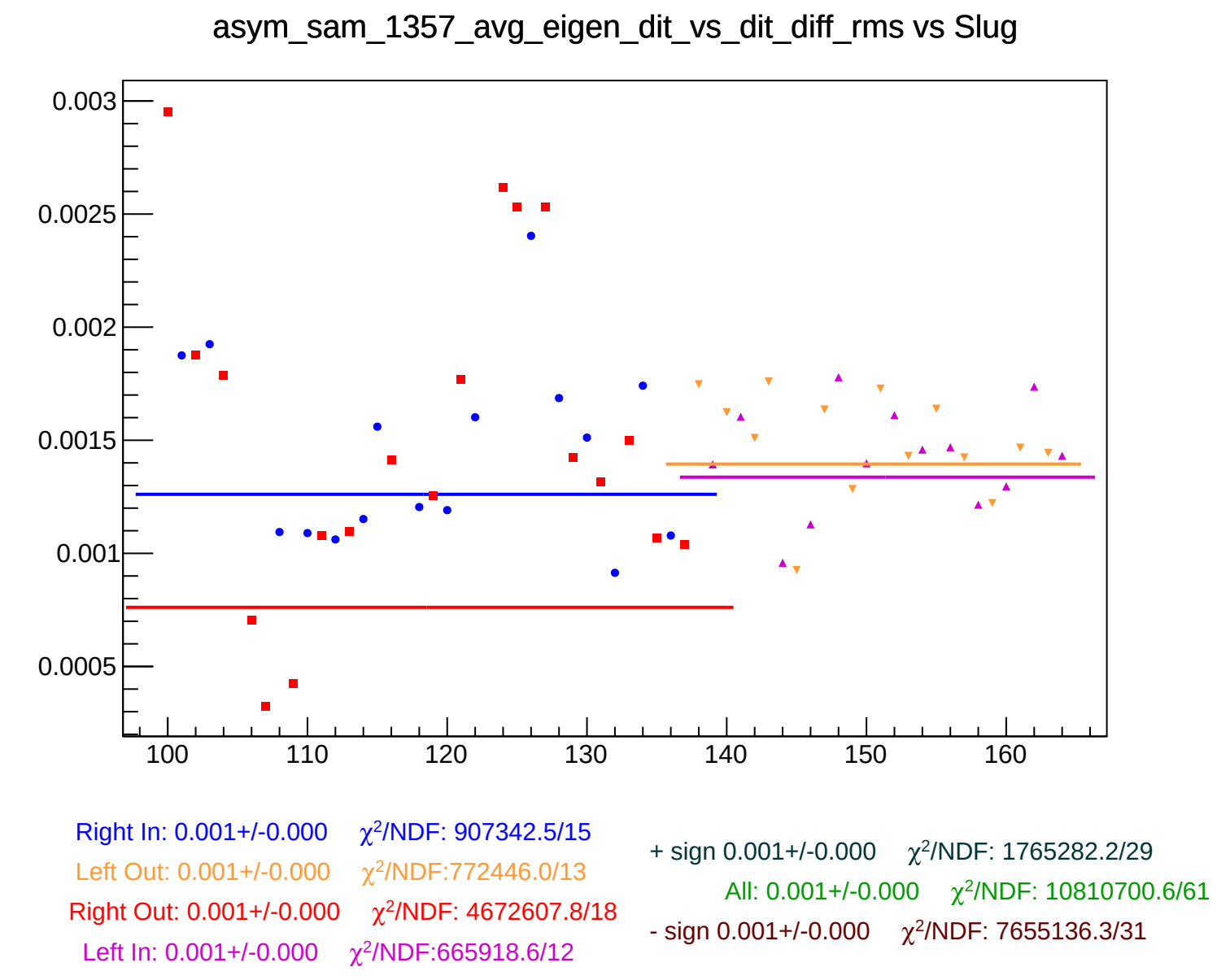
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

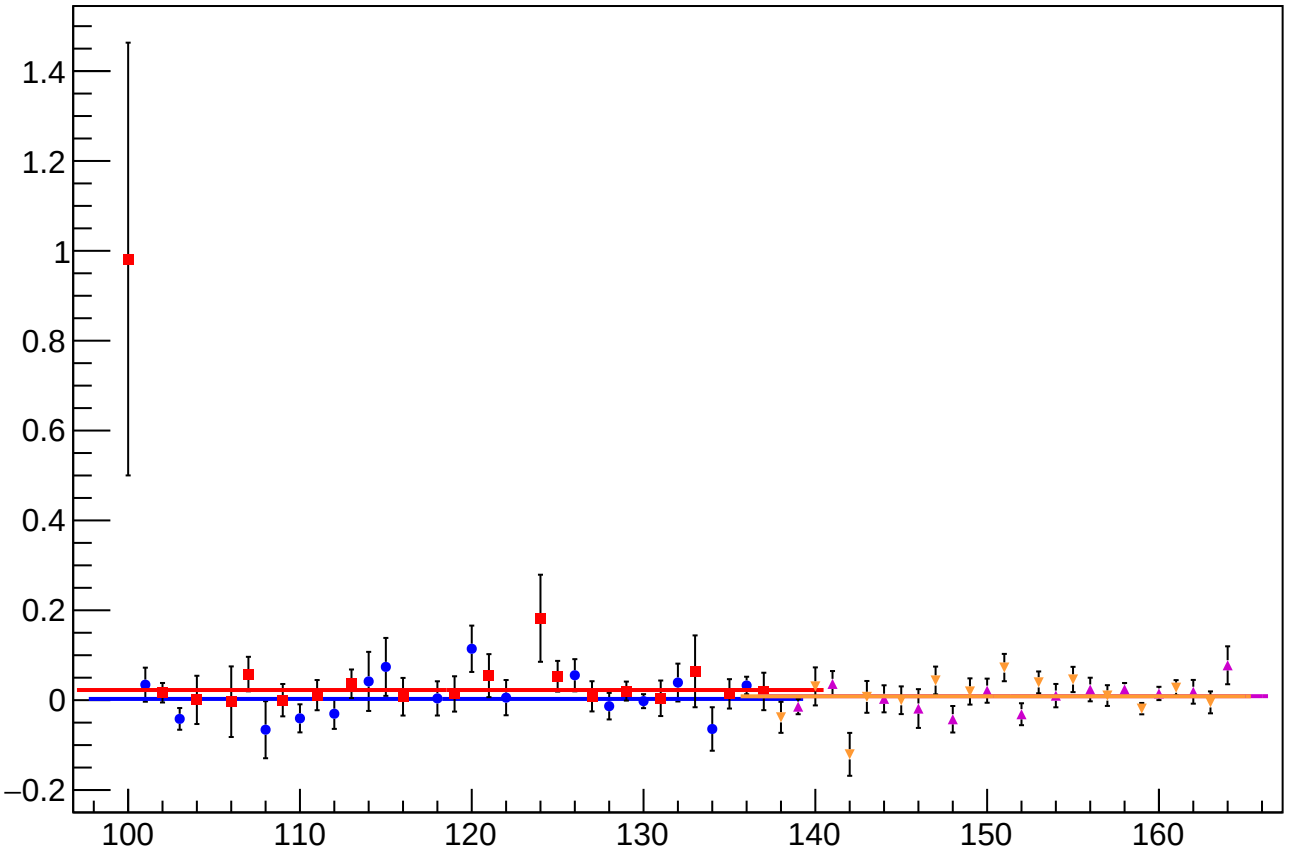
Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/29

All: 0.000+/-0.000 χ^2/NDF: 88.5/61

- 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:772446.0/13
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: 1765282.2/29
All: 0.001+/-0.000 χ²/NDF: 10810700.6/61
- sign 0.001+/-0.000 χ²/NDF: 7655136.3/31



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

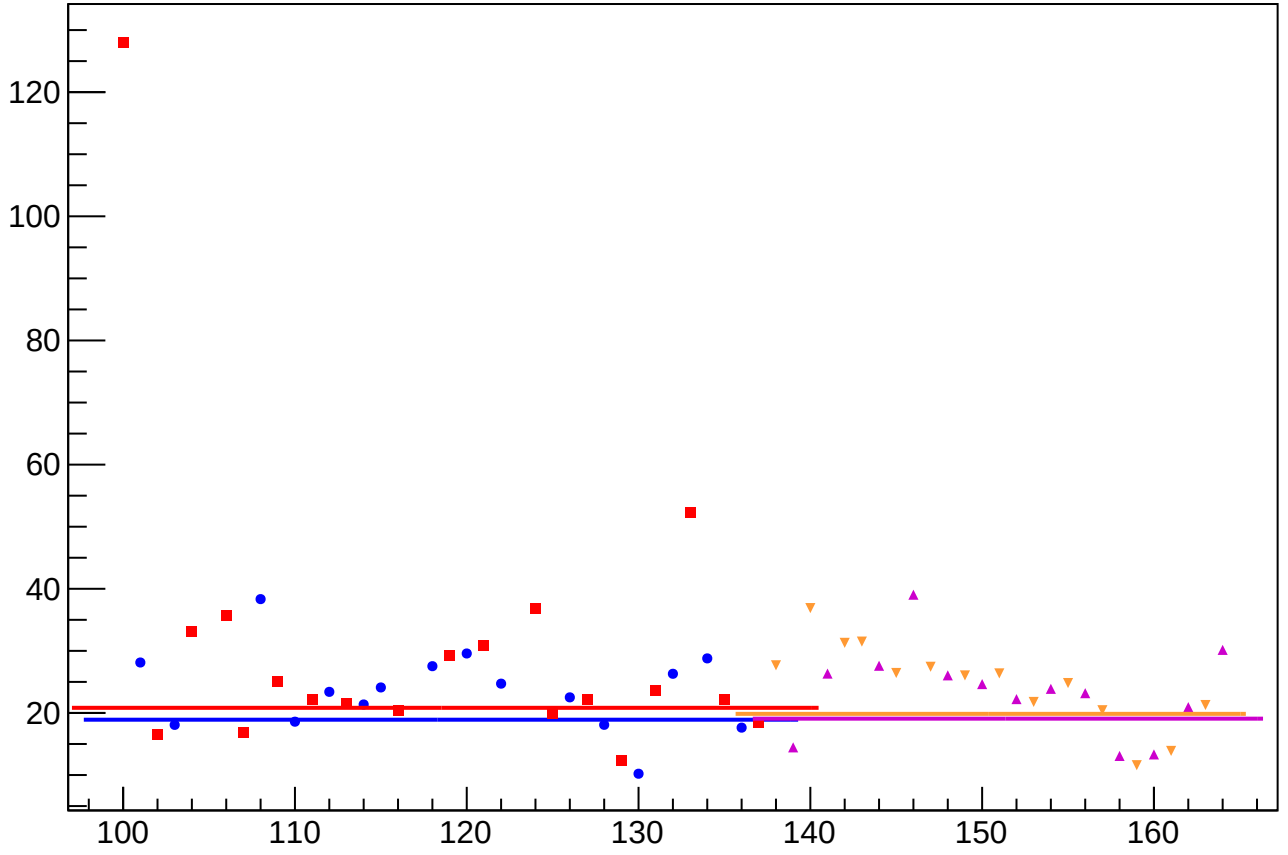
Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.010+/-0.004 χ^2/NDF: 74.5/61

- sign 0.014+/-0.005 χ^2/NDF: 26.0/31

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337658.8/13

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

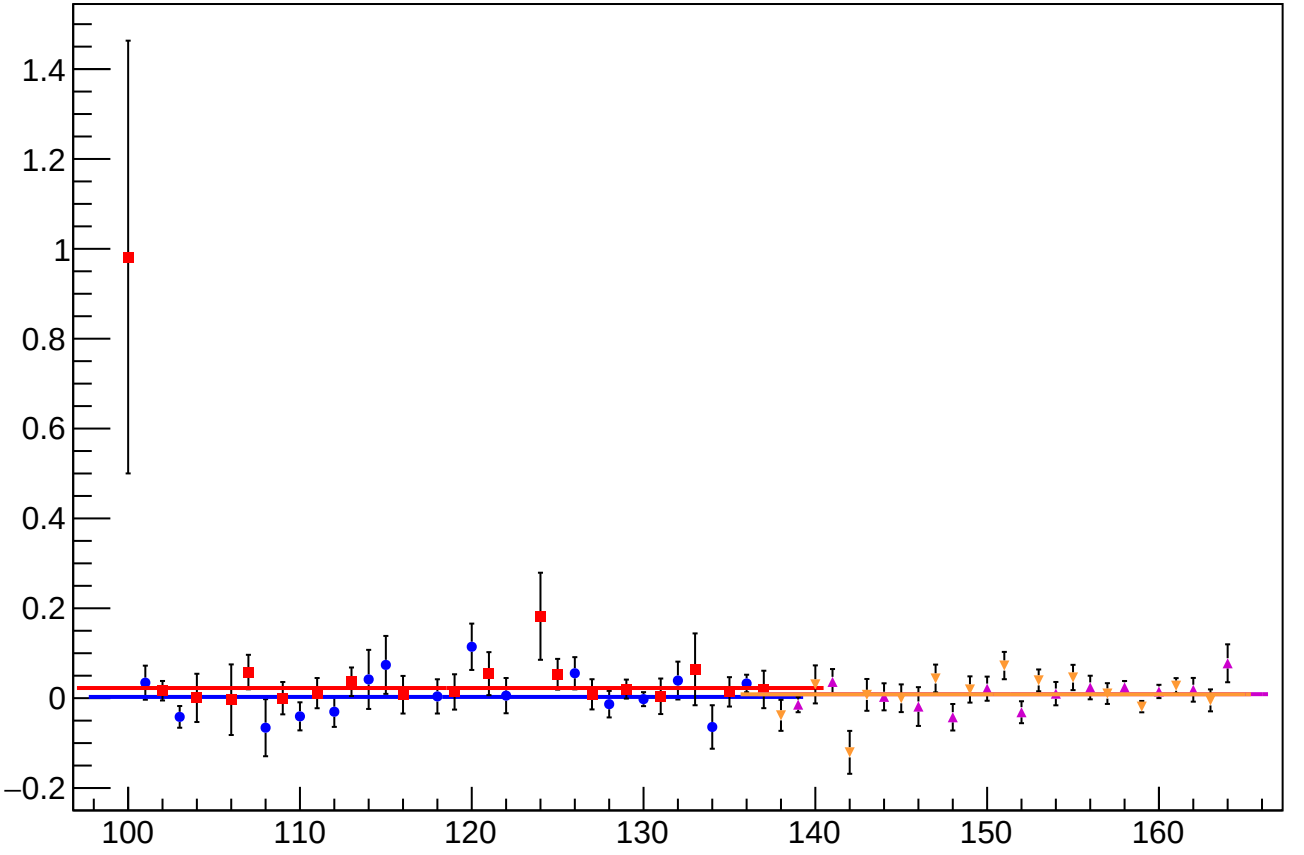
Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

+ sign 19.464+/-0.004 χ^2/NDF: 3745002.6/29

All: 19.585+/-0.003 χ^2/NDF: 7115482.0/61

- sign 19.707+/-0.004 χ^2/NDF: 3368158.8/31

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

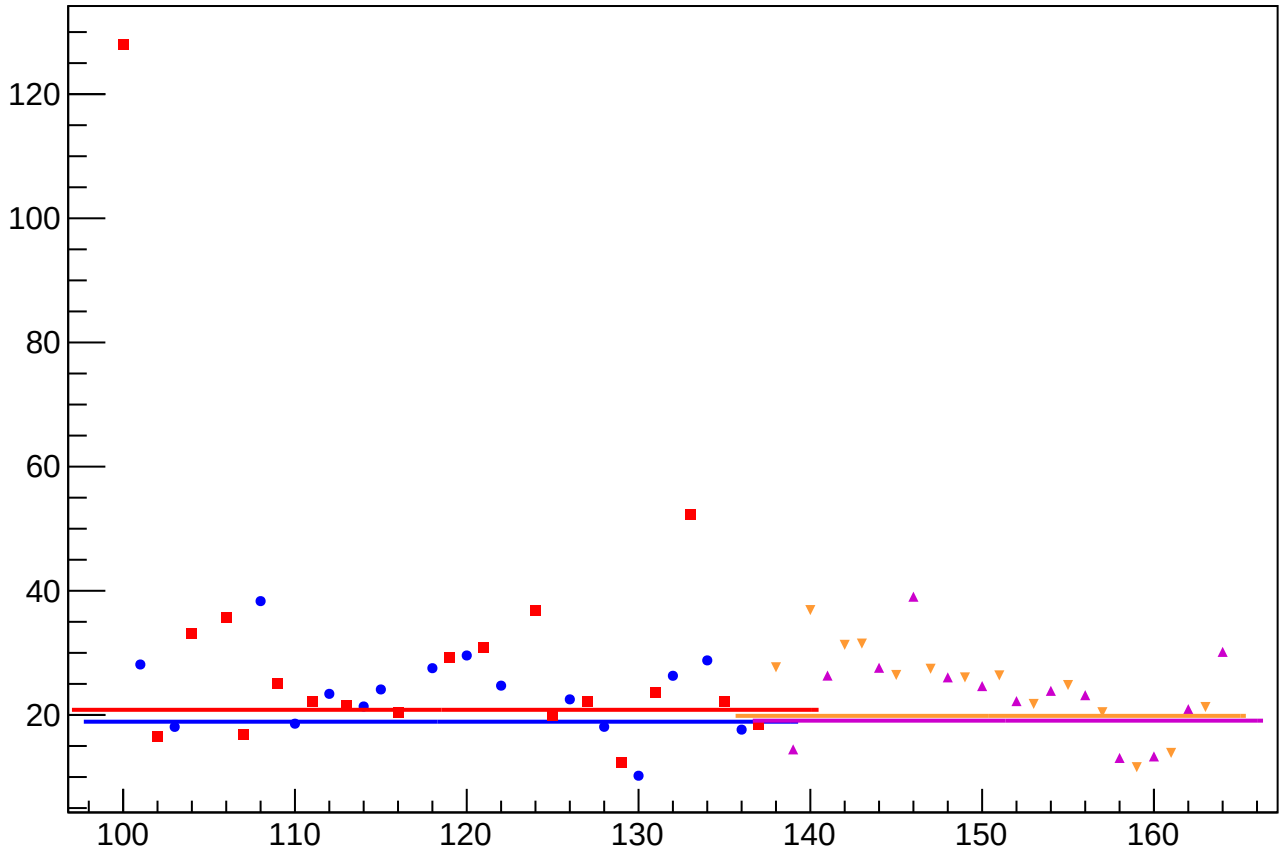
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.010+/-0.004 χ^2/NDF: 74.5/61

- 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: 19.855+/-0.005 χ^2/NDF:2337658.8/13

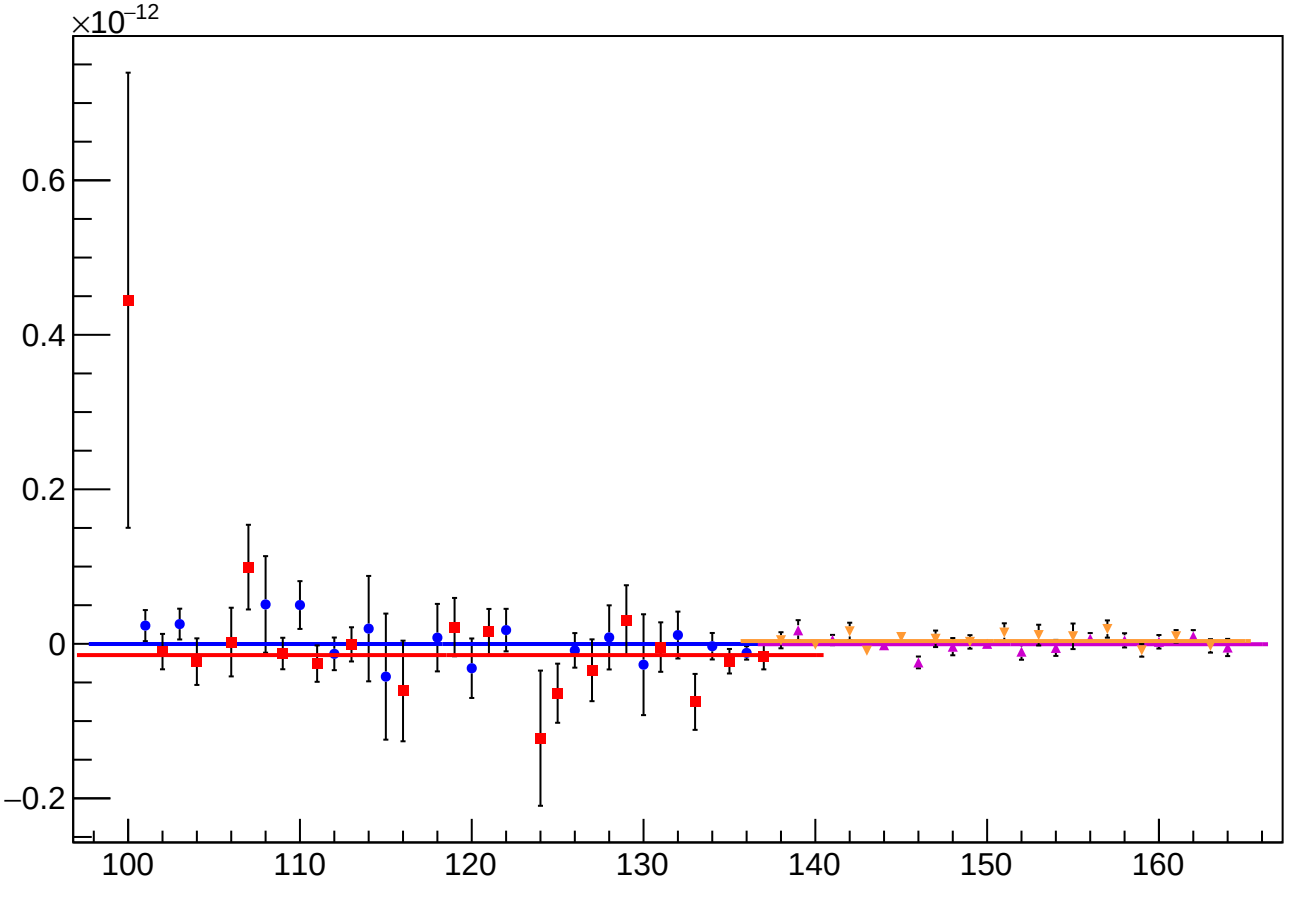
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

+ sign 19.464+/-0.004 χ^2/NDF: 3745002.6/29

All: 19.585+/-0.003 χ^2/NDF: 7115482.0/61

- 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:13.3/13

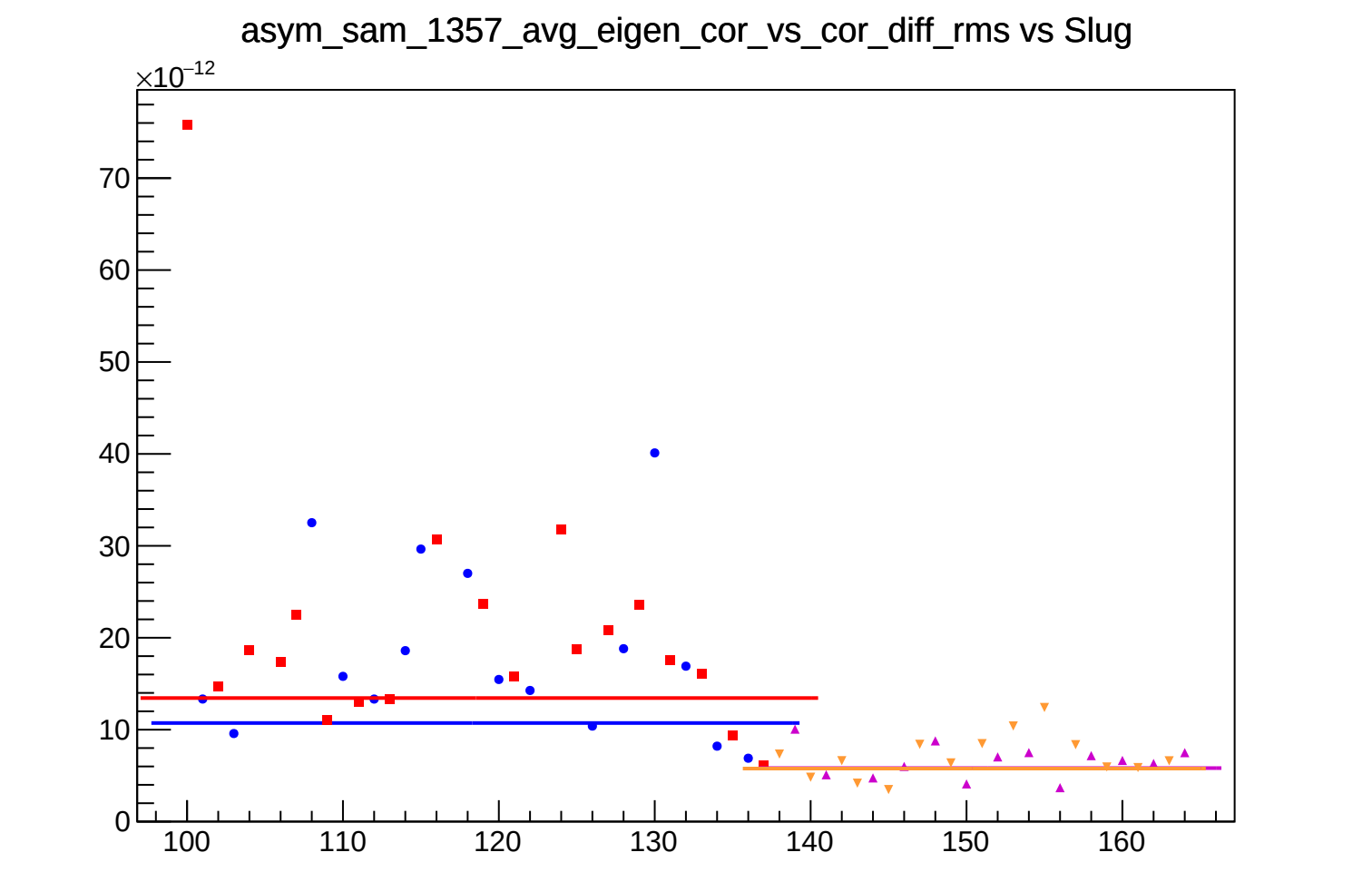
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/12

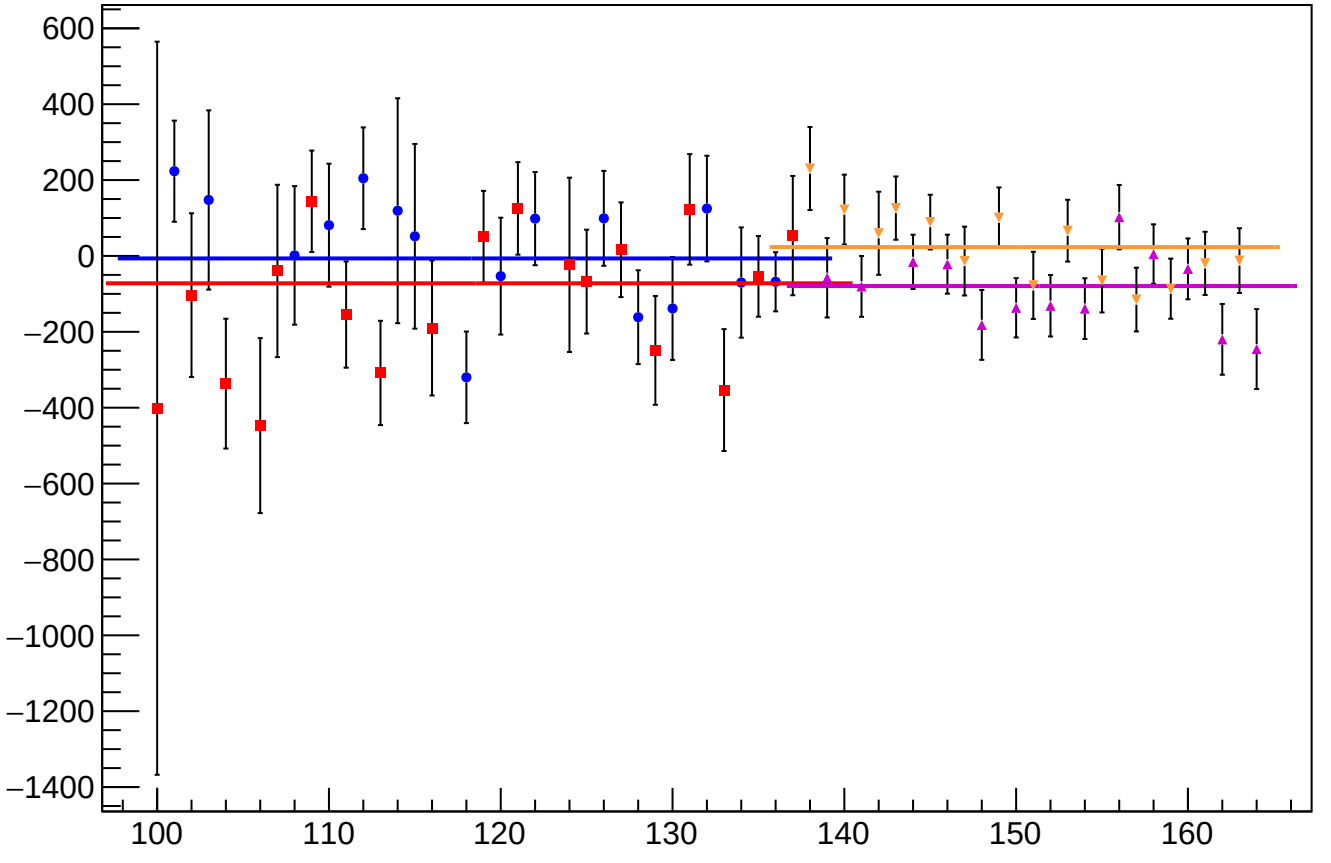
+ sign 0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 65.1/61

- sign -0.000+/-0.000 χ^2/NDF: 38.0/31


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1574107.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:942088.7/12
+ sign 0.000+/-0.000 χ²/NDF: 4758021.3/29
All: 0.000+/-0.000 χ²/NDF: 9531641.3/61
- sign 0.000+/-0.000 χ²/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: 23.353+/-22.928 χ^2/NDF:16.1/13

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

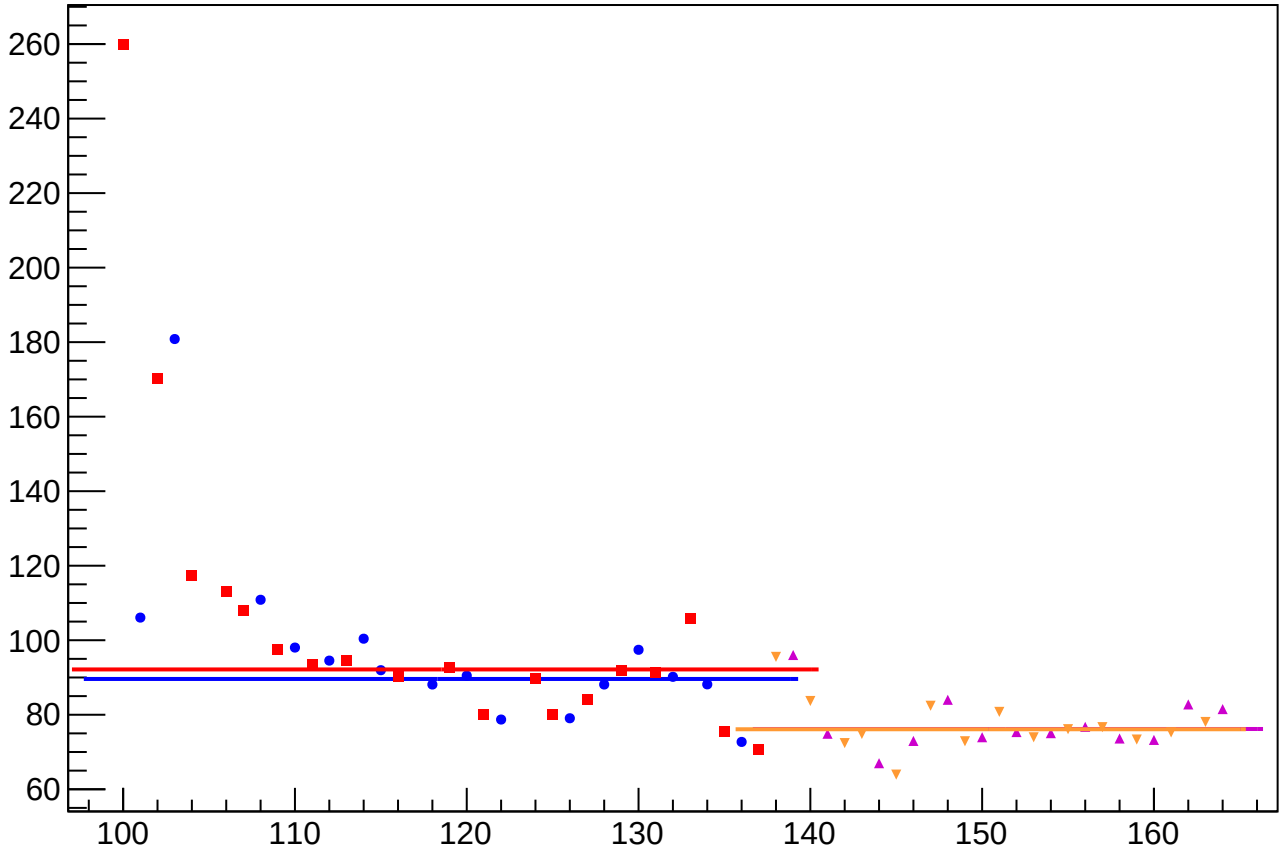
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -30.908+/-13.565 χ^2/NDF: 84.6/61

- 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: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

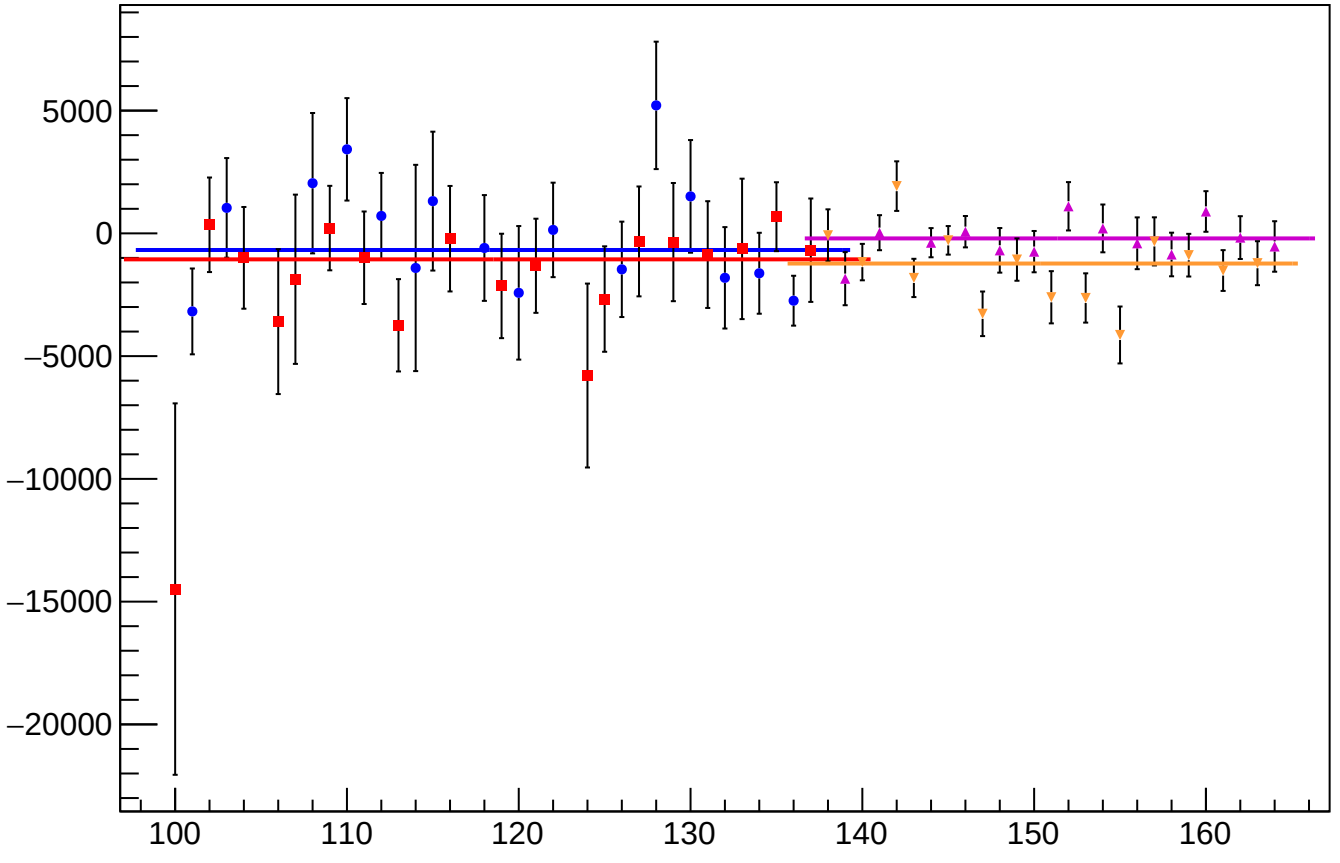
Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.277+/-0.013 χ^2/NDF: 872594.0/29

All: 80.672+/-0.010 χ^2/NDF: 1853167.8/61

- 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: -1228.793+/-232.287 χ^2/NDF:30.3/13

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

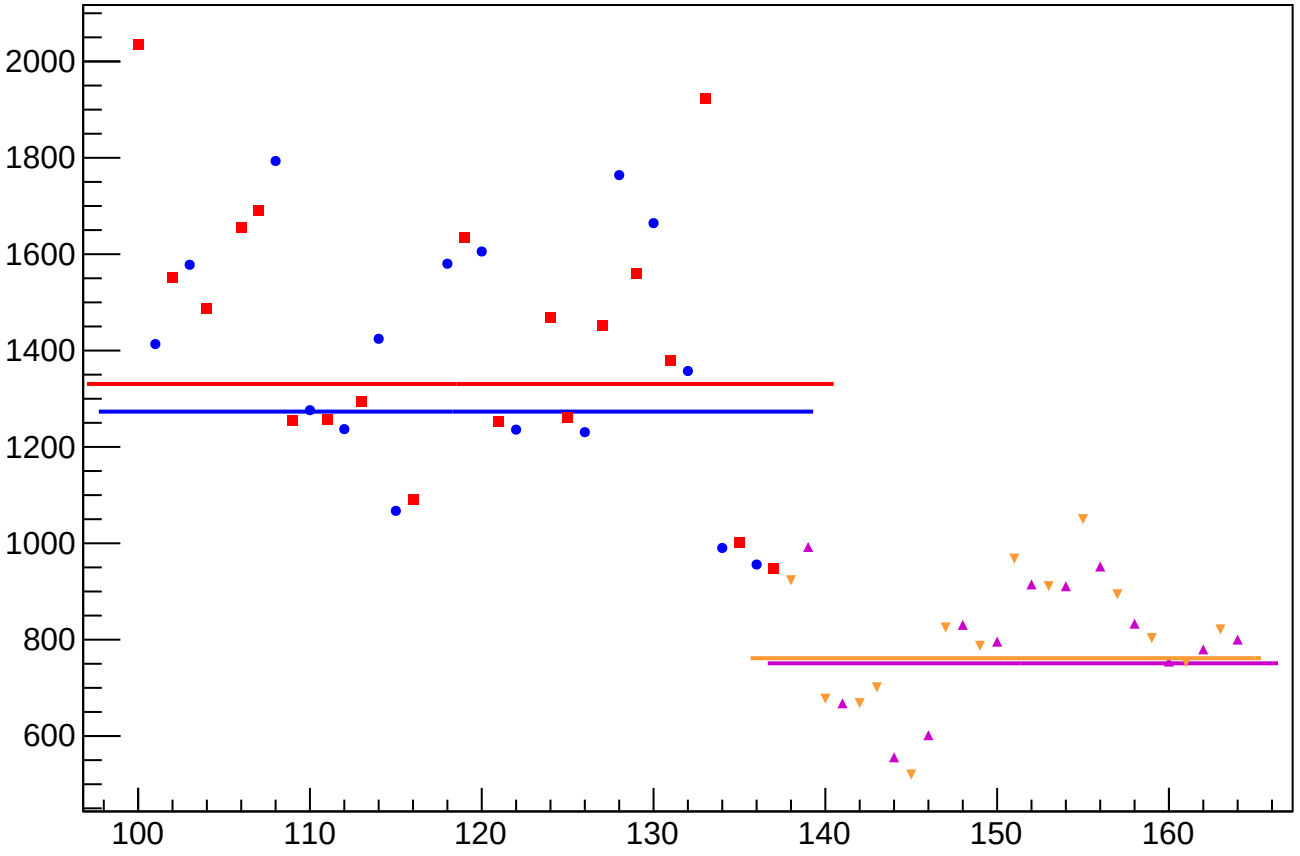
Left In: -205.985+/-231.231 χ^2/NDF:7.8/12

+ sign -1126.416+/-209.617 χ^2/NDF: 51.6/29

All: -742.209+/-148.216 χ^2/NDF: 80.0/61

- 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: 761.556+/-0.164 χ^2/NDF:751820.0/13

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

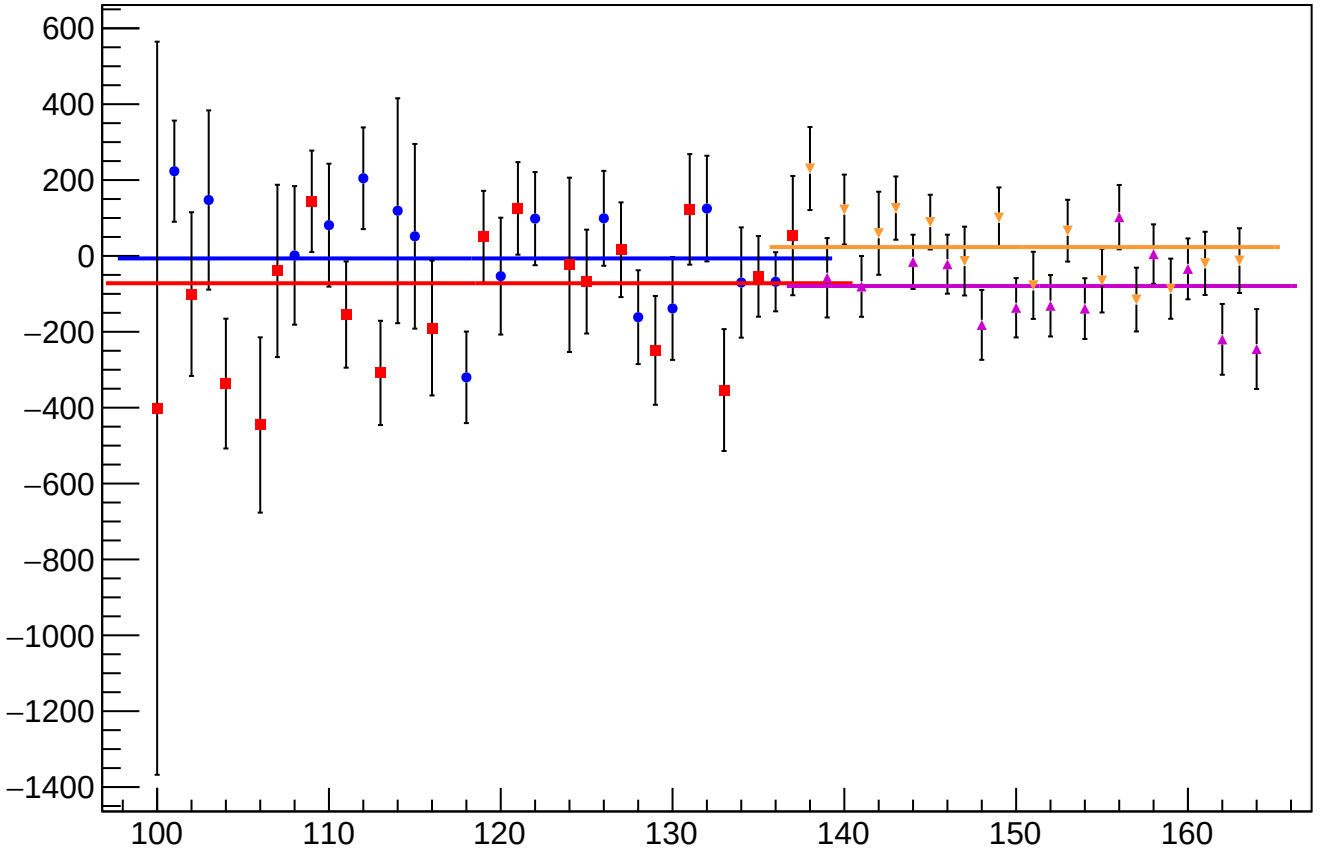
Left In: 750.938+/-0.164 χ^2/NDF:678365.2/12

+ sign 856.572+/-0.148 χ^2/NDF: 3151738.8/29

All: 855.447+/-0.105 χ^2/NDF: 6542883.0/61

- 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: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

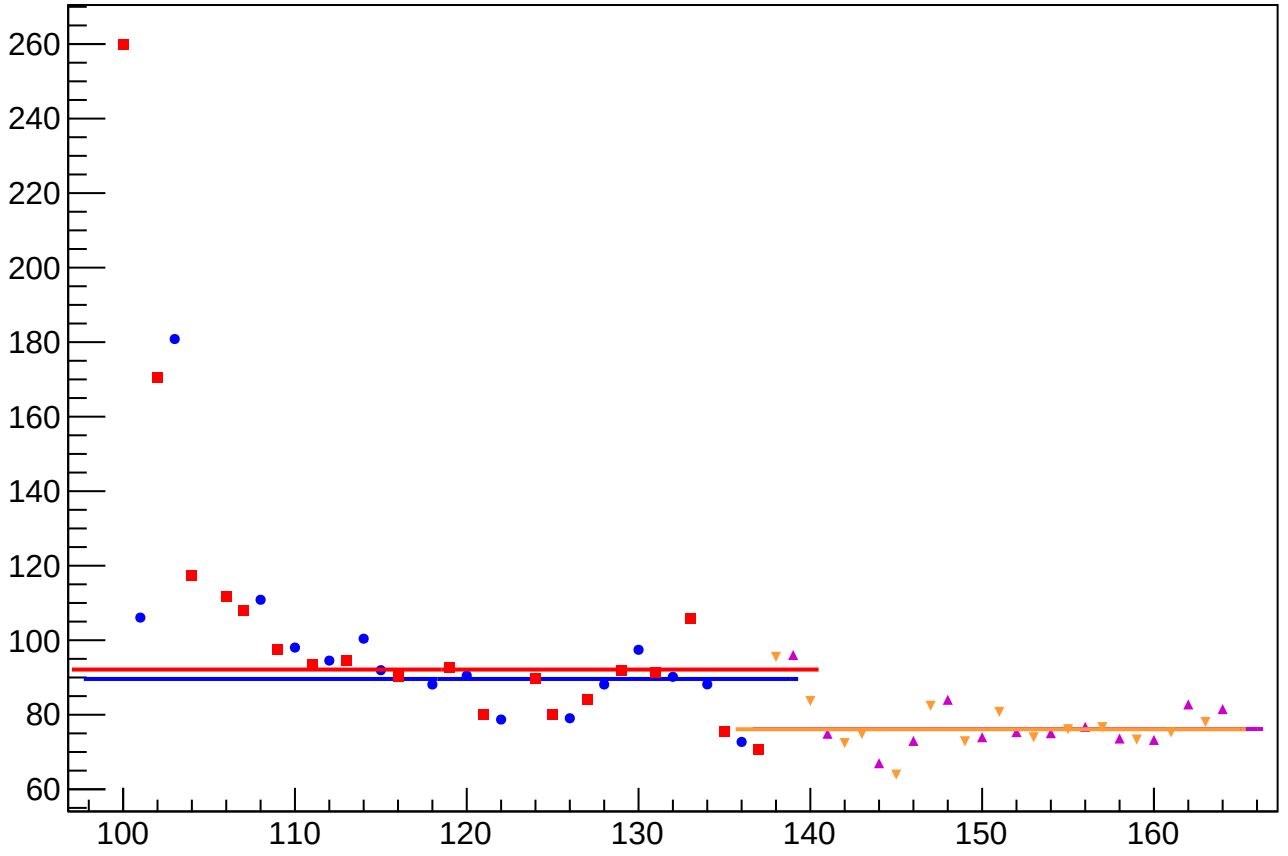
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -30.886+/-13.565 χ^2/NDF: 84.5/61

- 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: 76.106+/-0.016 χ^2/NDF:160026.2/13

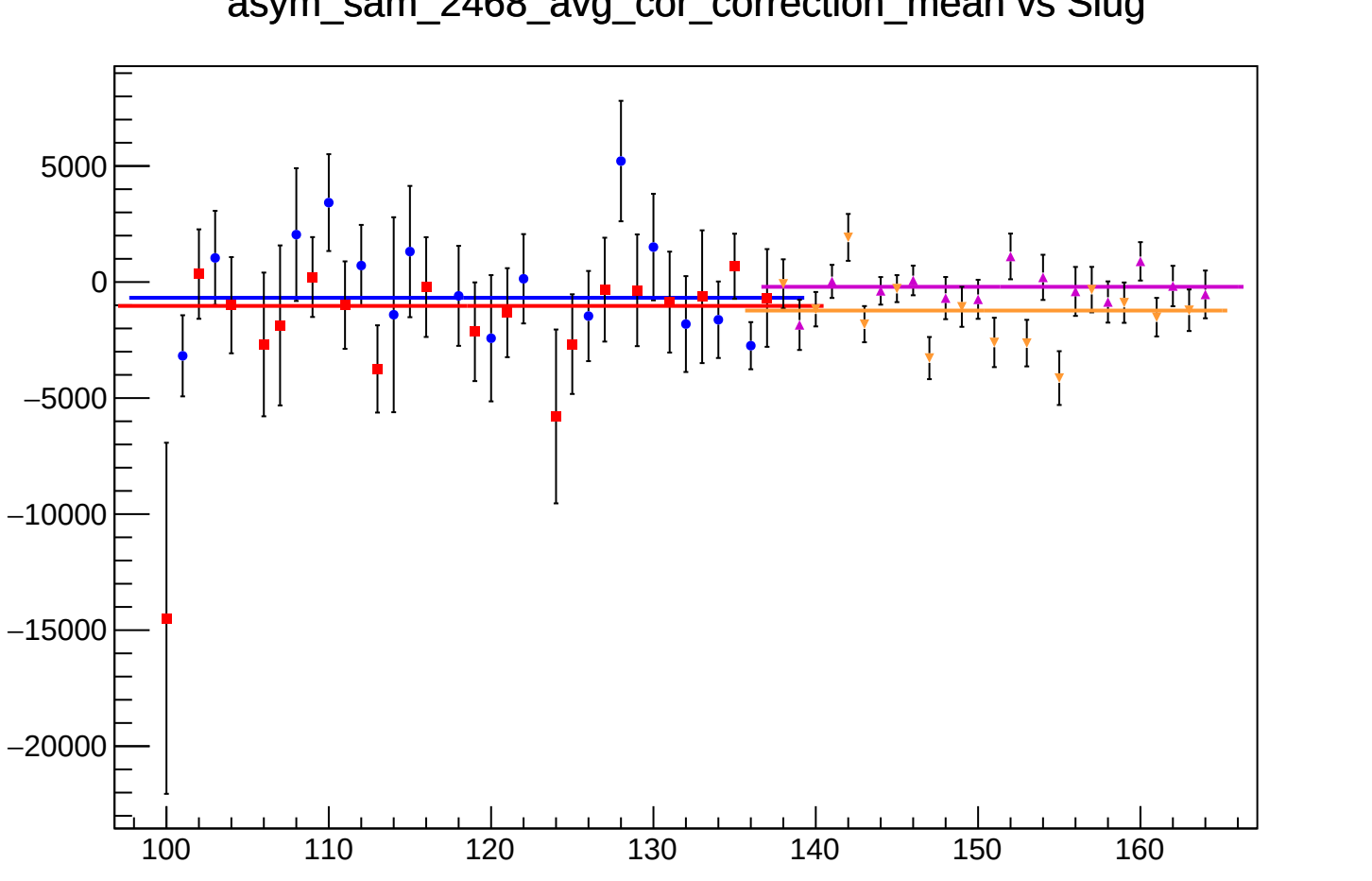
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.277+/-0.013 χ^2/NDF: 872597.5/29

All: 80.667+/-0.010 χ^2/NDF: 1850182.4/61

- 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: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

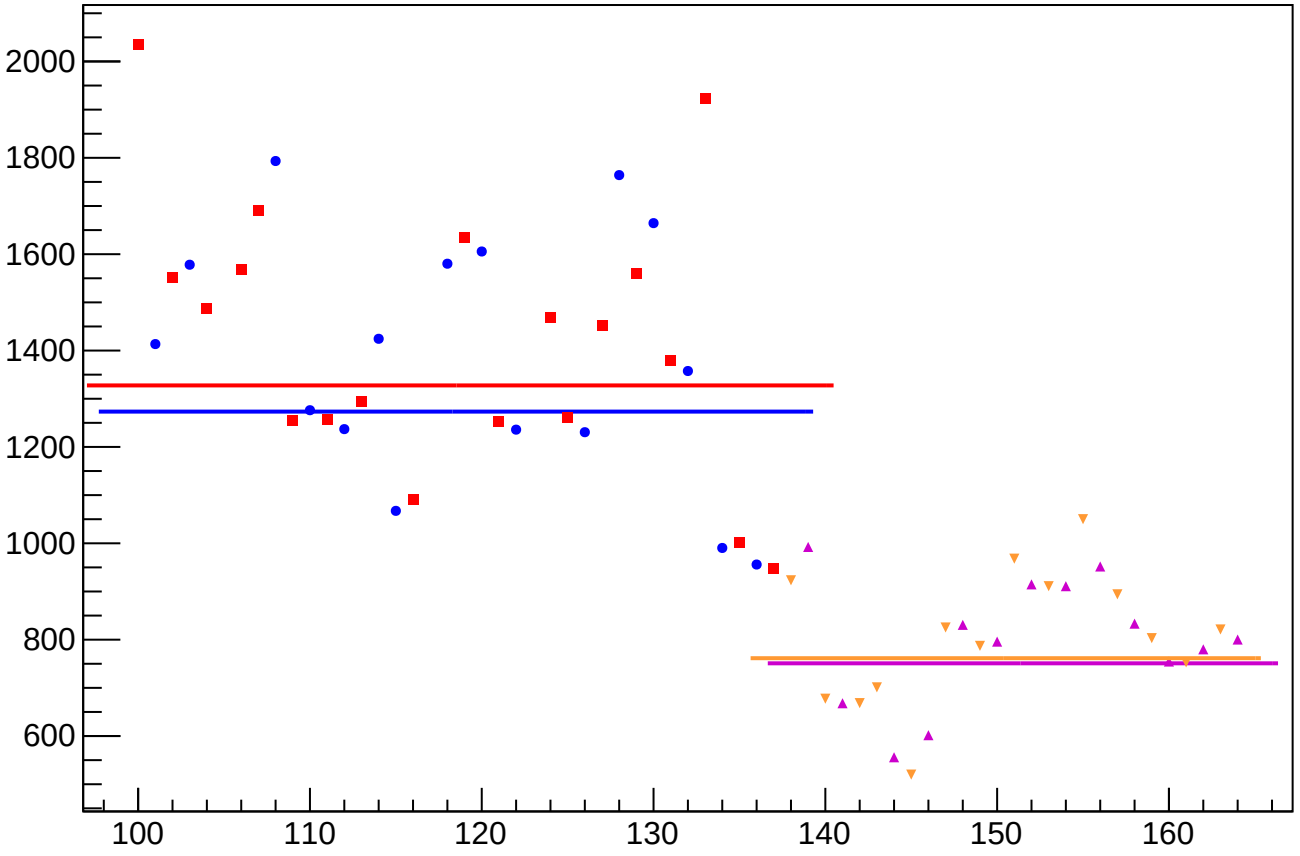
Left In: -205.988+/-231.231 χ^2/NDF:7.8/12

+ sign -1126.405+/-209.617 χ^2/NDF: 51.6/29

All: -739.517+/-148.234 χ^2/NDF: 79.4/61

- sign -352.499+/-209.652 χ^2/NDF: 21.0/31

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

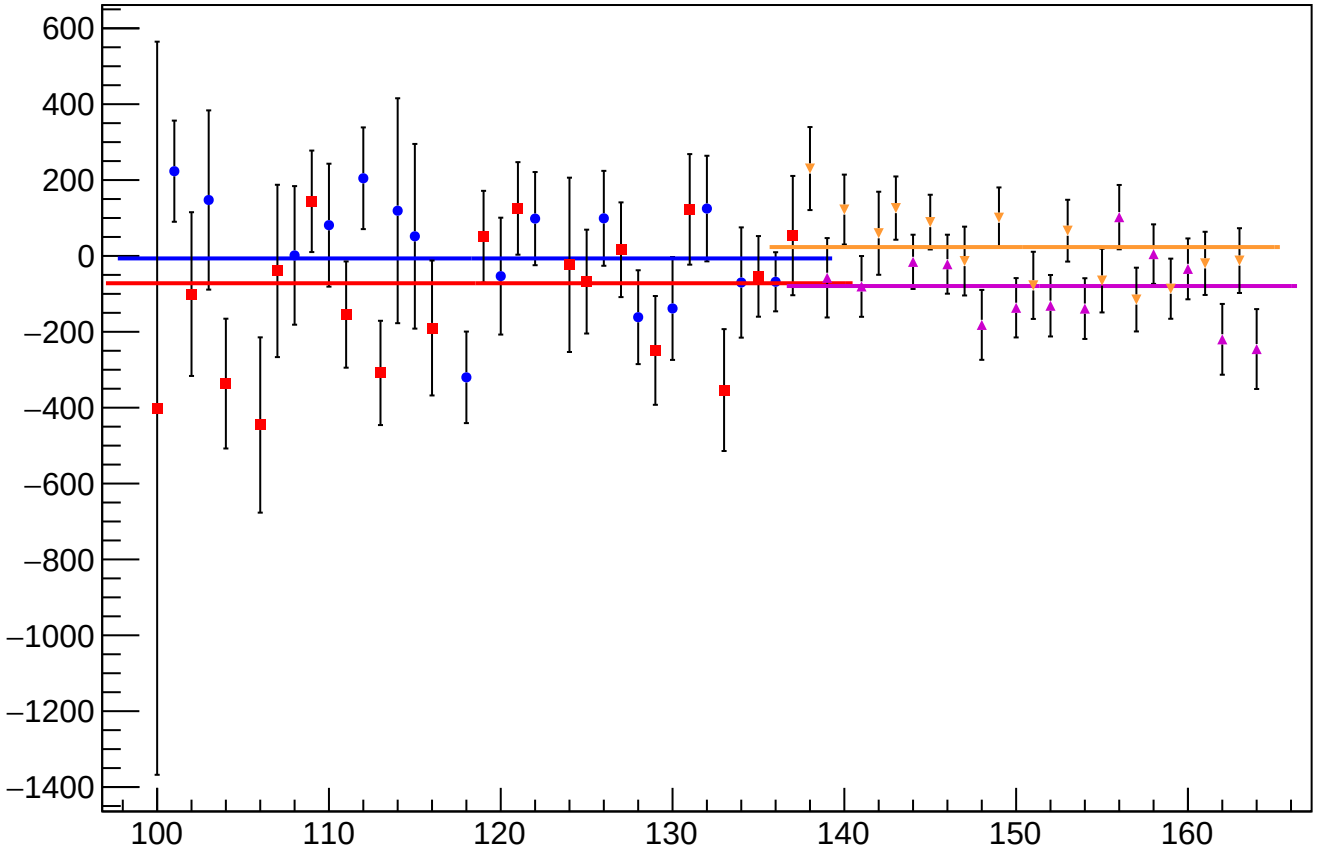
Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

+ sign 856.572+/-0.148 χ^2/NDF: 3151784.4/29

All: 855.064+/-0.105 χ^2/NDF: 6502582.1/61

- 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: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

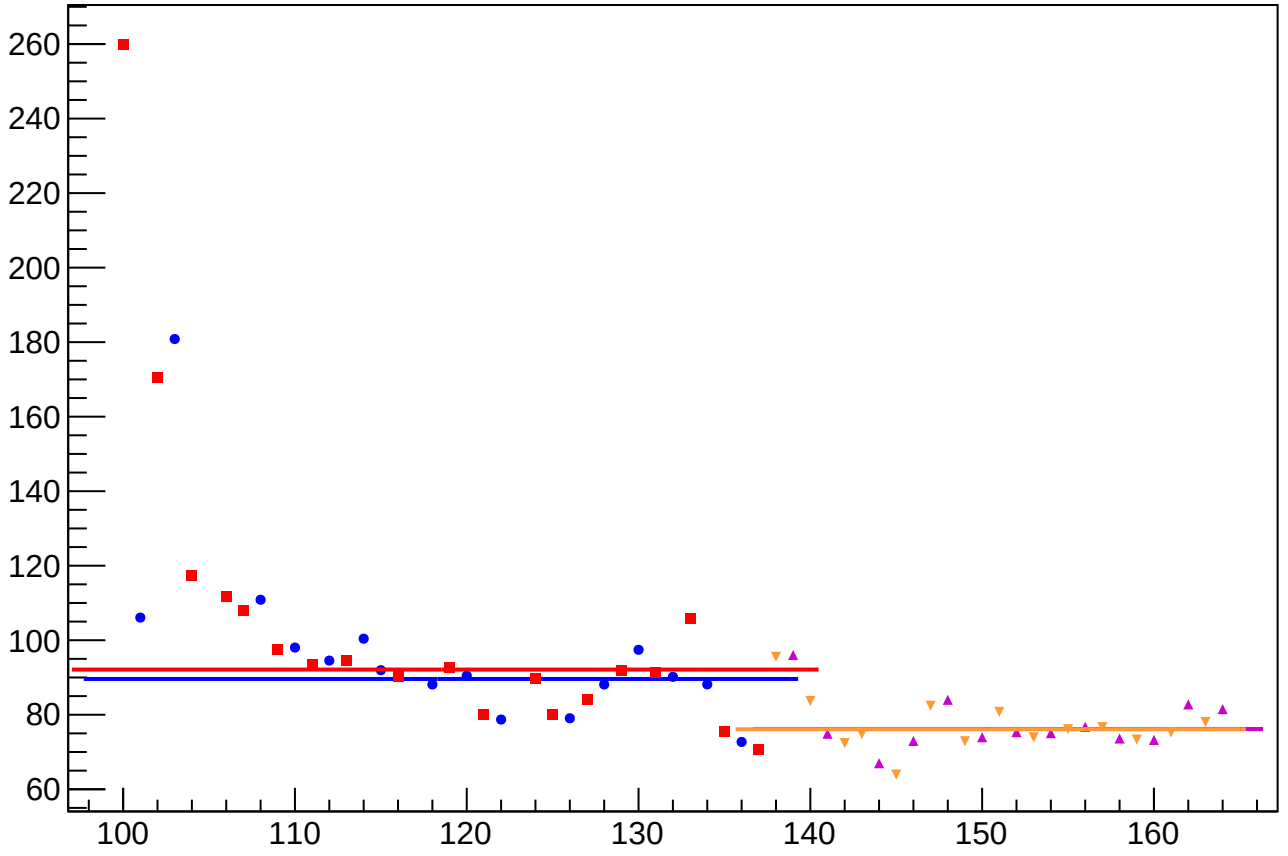
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -30.886+/-13.565 χ^2/NDF: 84.5/61

- 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: 76.106+/-0.016 χ^2/NDF:160026.2/13

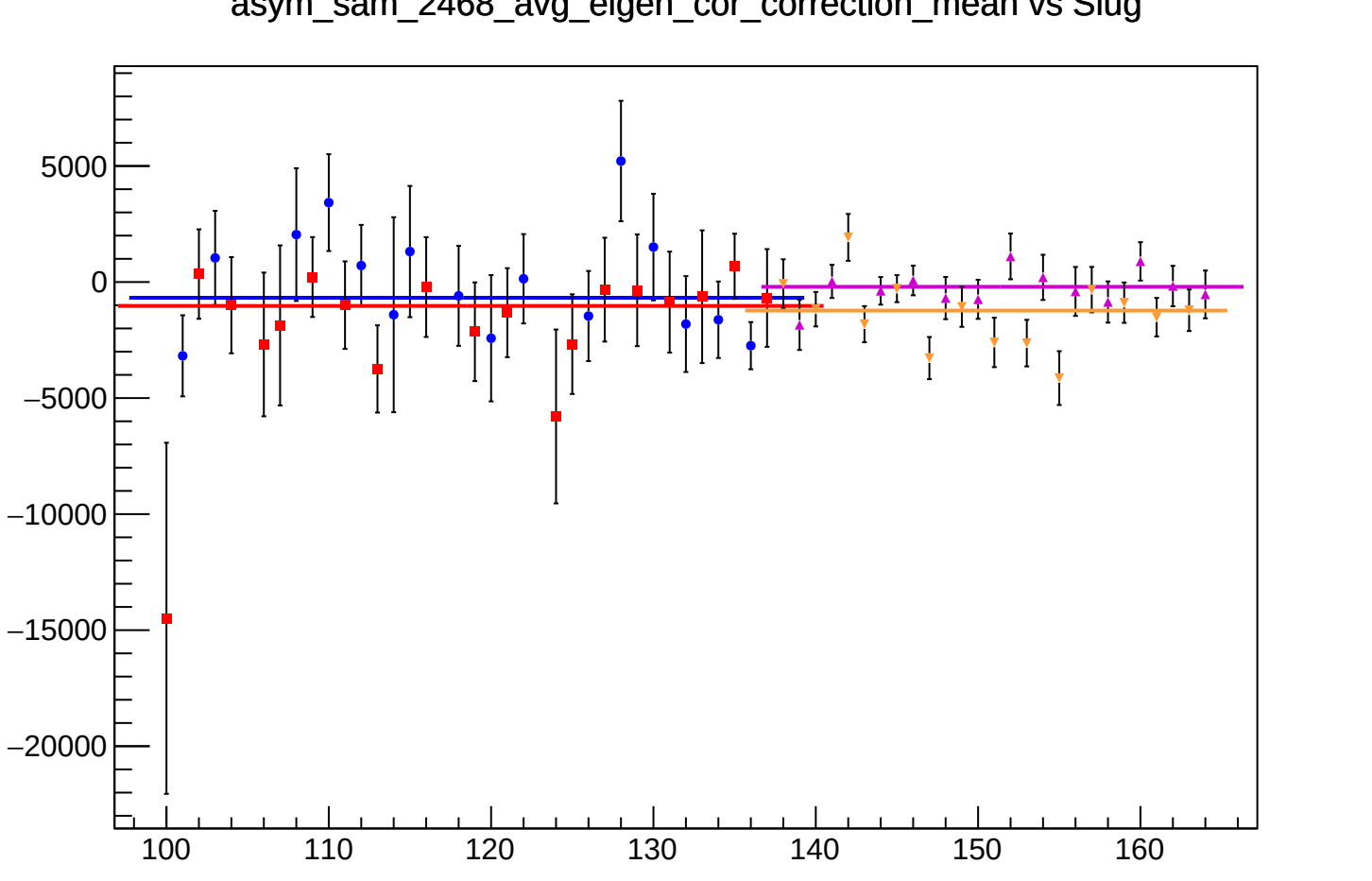
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.277+/-0.013 χ^2/NDF: 872597.5/29

All: 80.667+/-0.010 χ^2/NDF: 1850182.4/61

- 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: -1228.787+/-232.287 χ^2/NDF:30.3/13

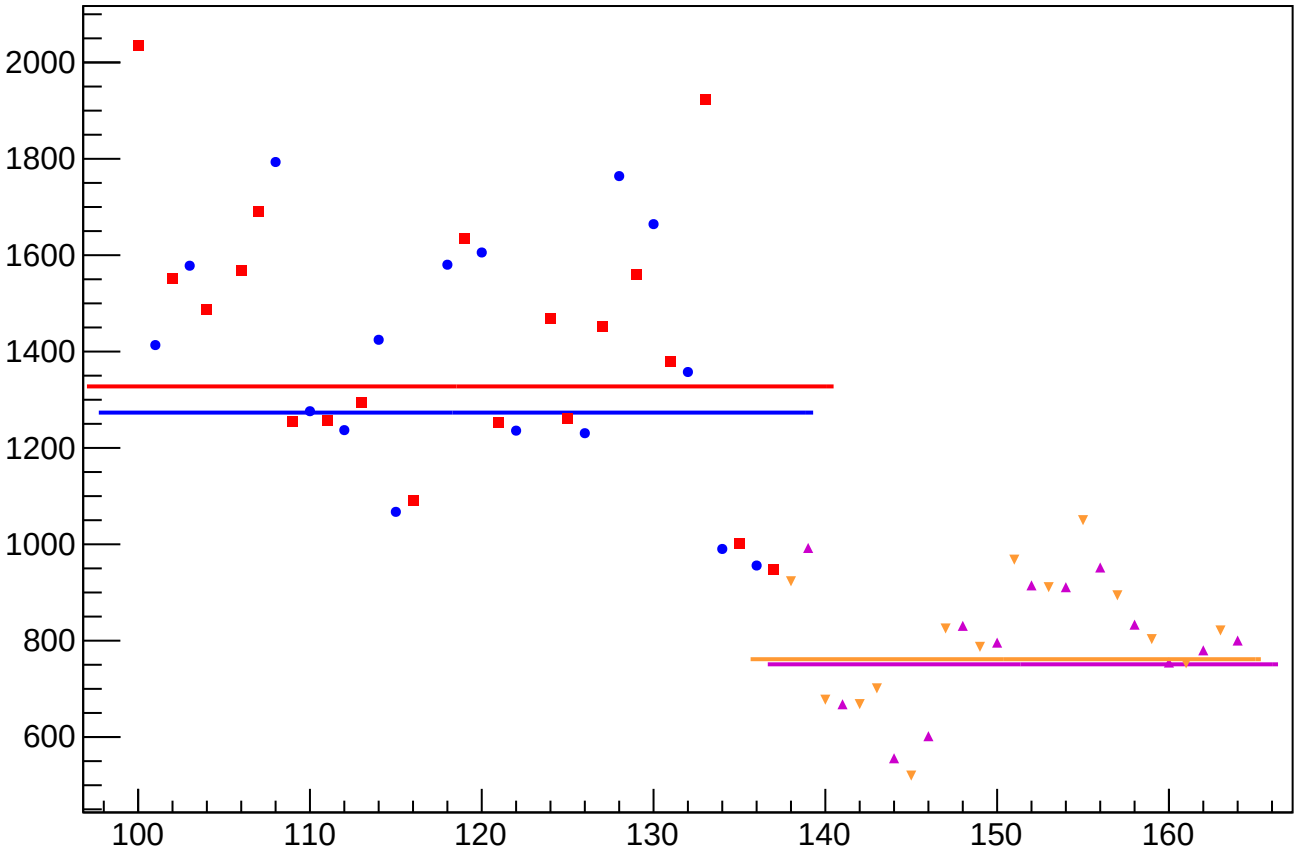
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -205.988+/-231.231 χ^2/NDF:7.8/12

+ sign -1126.405+/-209.617 χ^2/NDF: 51.6/29

All: -739.517+/-148.234 χ^2/NDF: 79.4/61

- 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: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

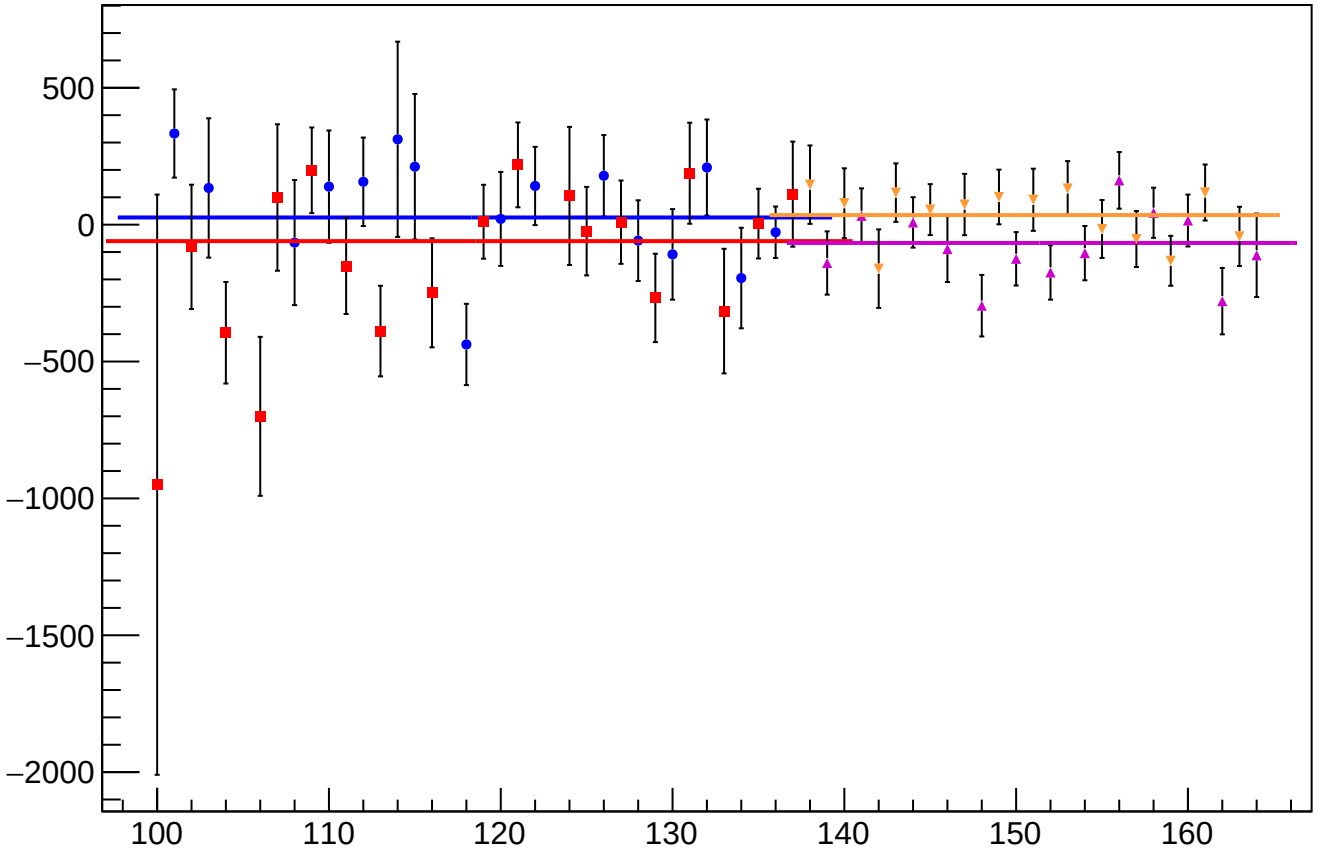
Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

+ sign 856.572+/-0.148 χ^2/NDF: 3151784.4/29

All: 855.064+/-0.105 χ^2/NDF: 6502582.1/61

- 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: 35.029+/-28.803 χ^2/NDF:10.4/13

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

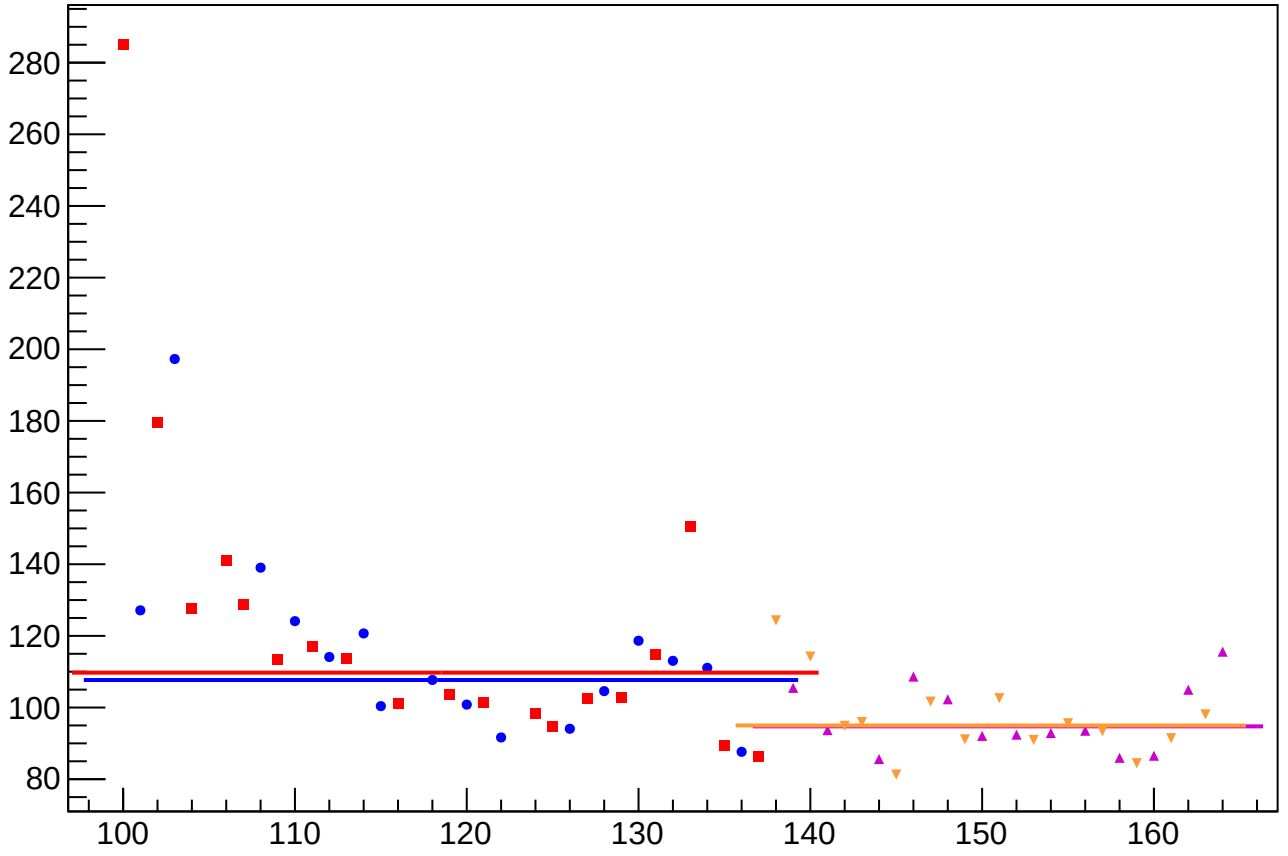
Left In: -66.801+/-29.073 χ^2/NDF:18.1/12

+ sign 32.149+/-23.610 χ^2/NDF: 31.8/29

All: -15.805+/-16.767 χ^2/NDF: 85.3/61

- 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: 94.991+/-0.020 χ^2/NDF:226605.6/13

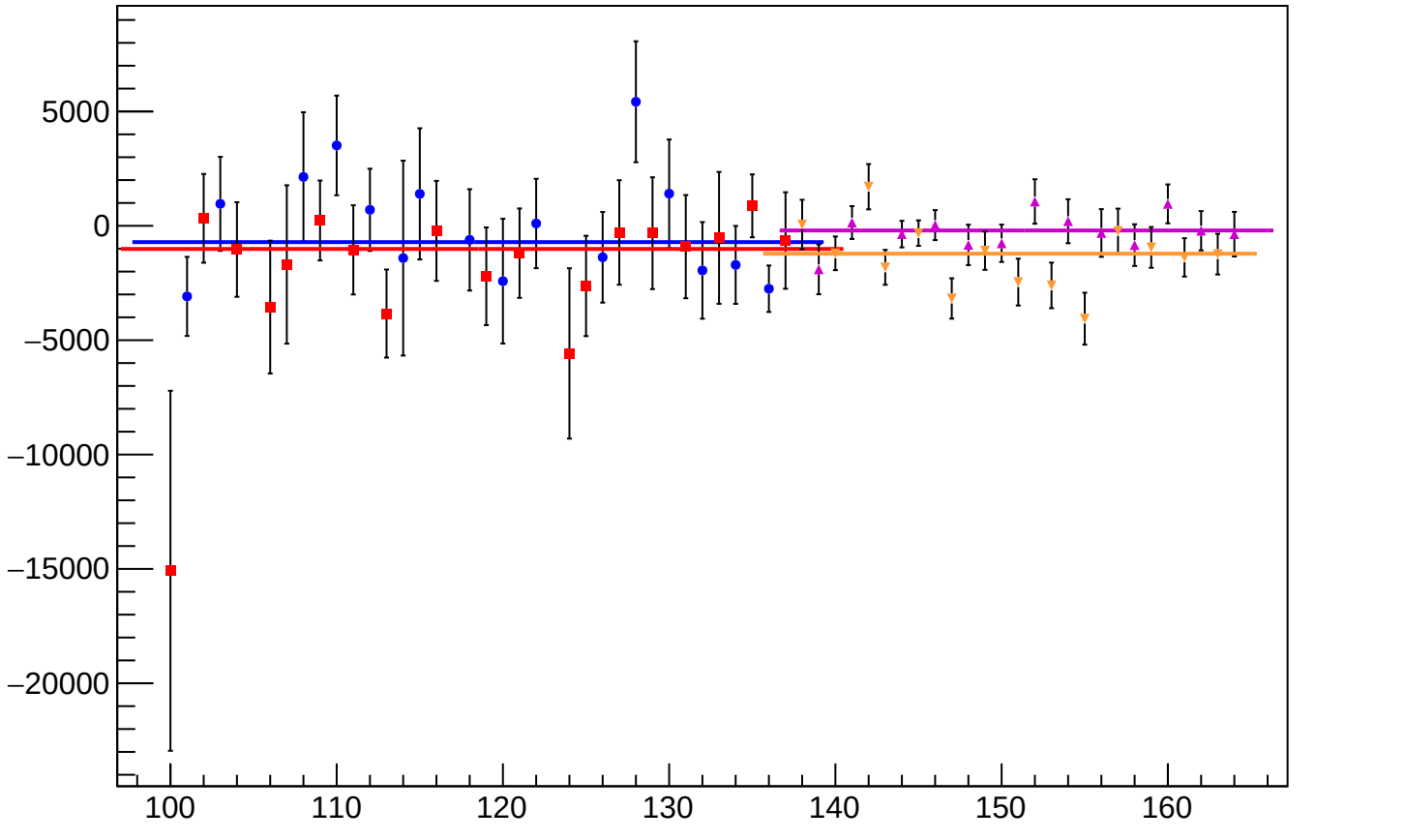
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.746+/-0.021 χ^2/NDF:161316.0/12

+ sign 99.154+/-0.017 χ^2/NDF: 837082.3/29

All: 99.413+/-0.012 χ^2/NDF: 1665627.2/61

- 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: -1217.871+/-228.791 χ^2/NDF:29.2/13

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

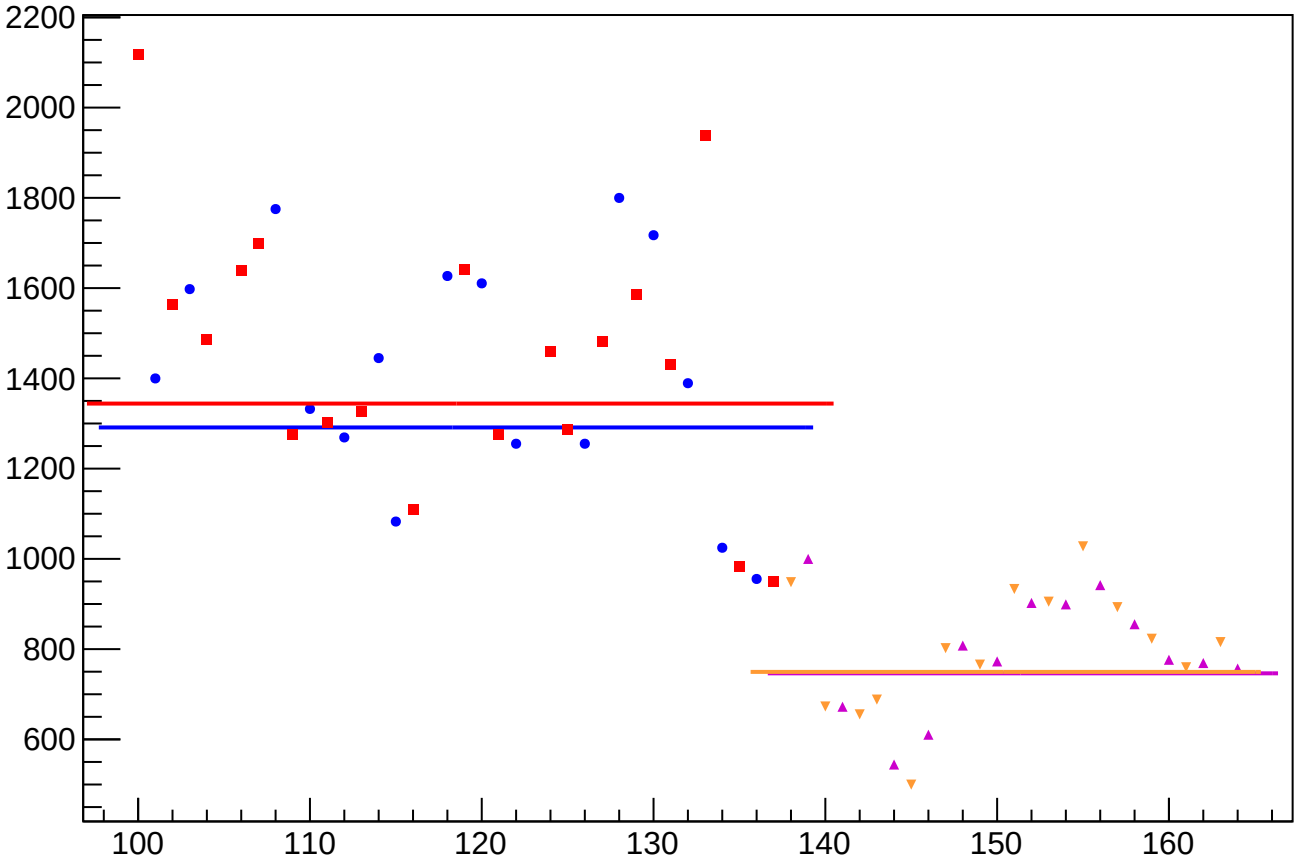
Left In: -202.974+/-229.929 χ^2/NDF:8.1/12

+ sign -1128.461+/-207.551 χ^2/NDF: 50.1/29

All: -738.614+/-147.270 χ^2/NDF: 79.3/61

- 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: 749.548+/-0.162 χ^2/NDF:831976.7/13

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

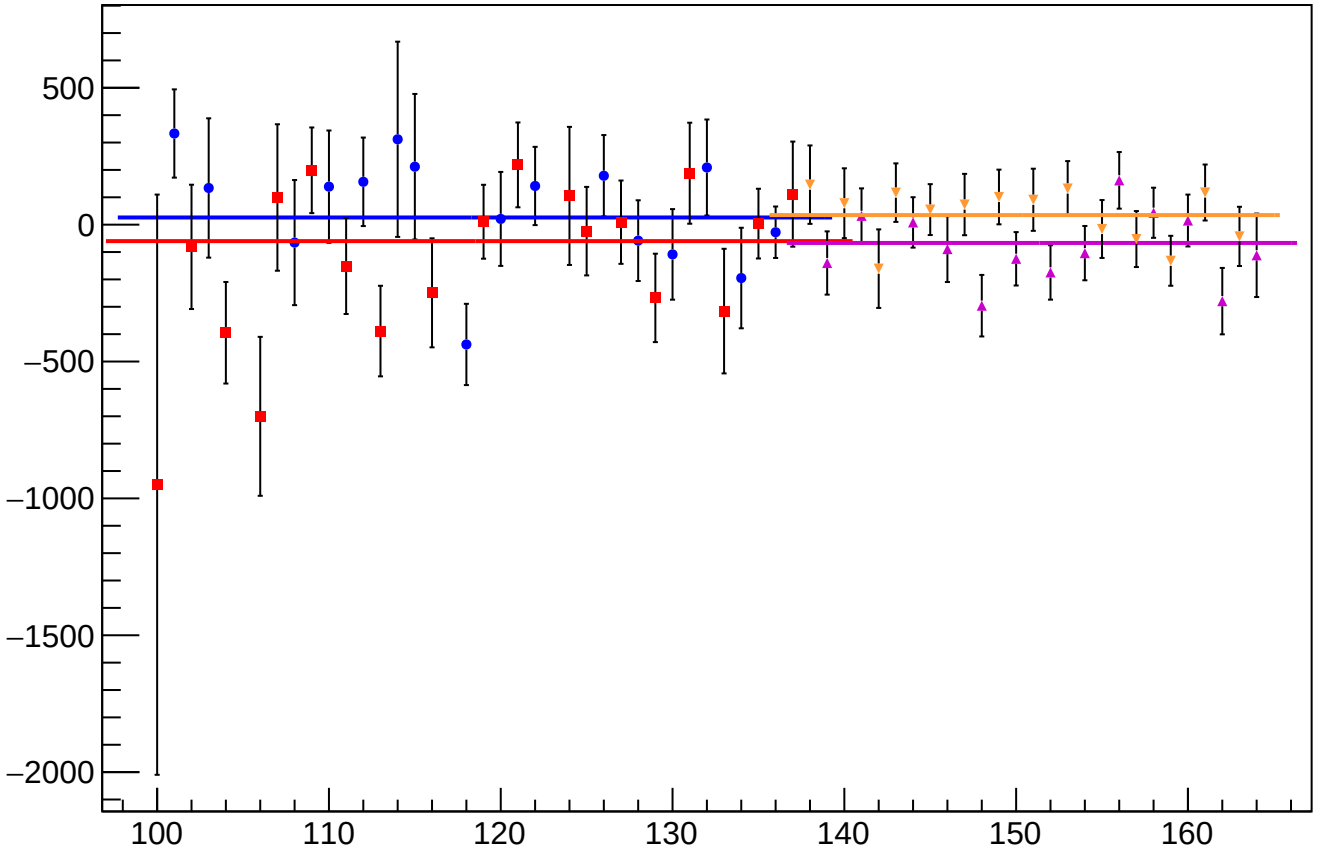
Left In: 746.360+/-0.163 χ^2/NDF:674434.7/12

+ sign 845.455+/-0.147 χ^2/NDF: 3427774.7/29

All: 847.826+/-0.104 χ^2/NDF: 6942570.5/61

- 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: 35.031+/-28.803 χ^2/NDF:10.4/13

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

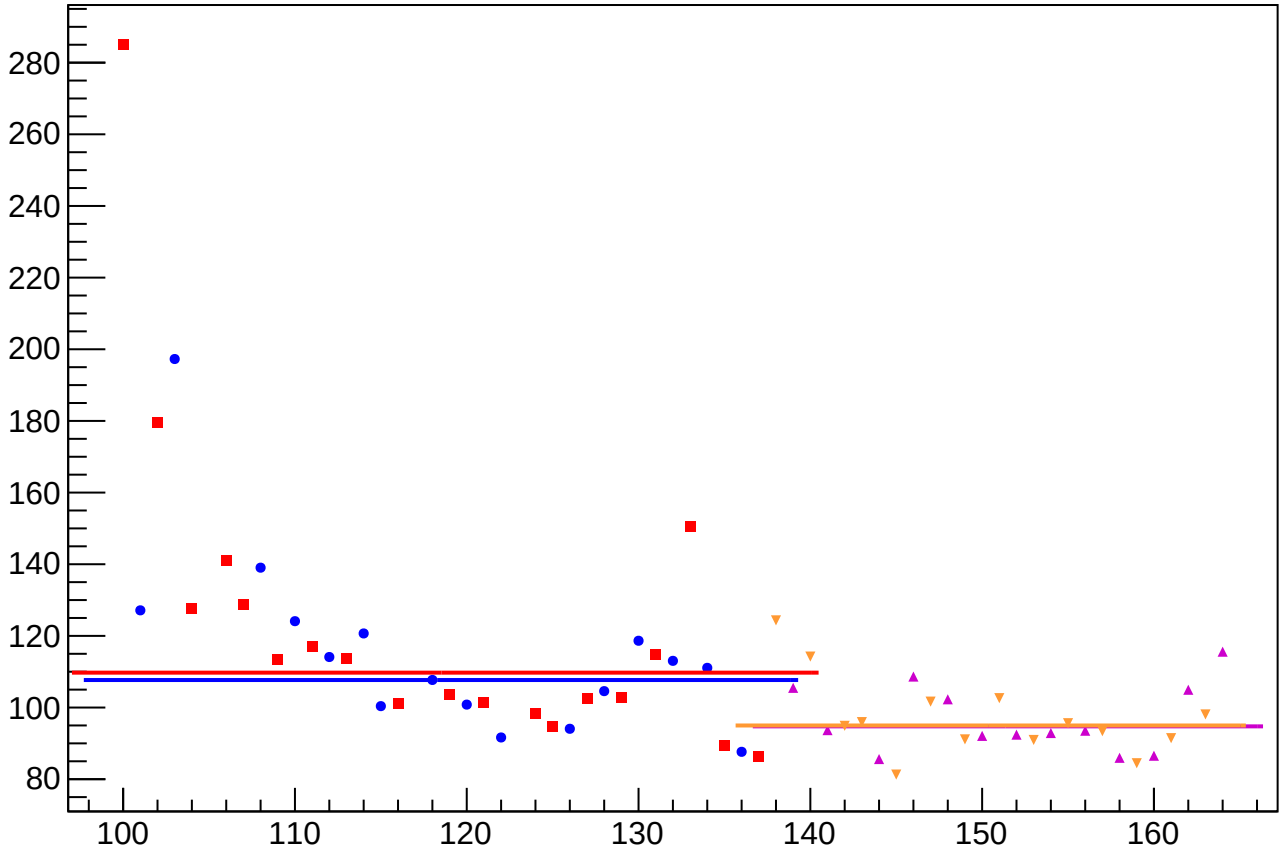
Left In: -66.800+/-29.073 χ^2/NDF:18.1/12

+ sign 32.151+/-23.610 χ^2/NDF: 31.8/29

All: -15.804+/-16.767 χ^2/NDF: 85.3/61

- 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: 94.991+/-0.020 χ^2/NDF:226598.4/13

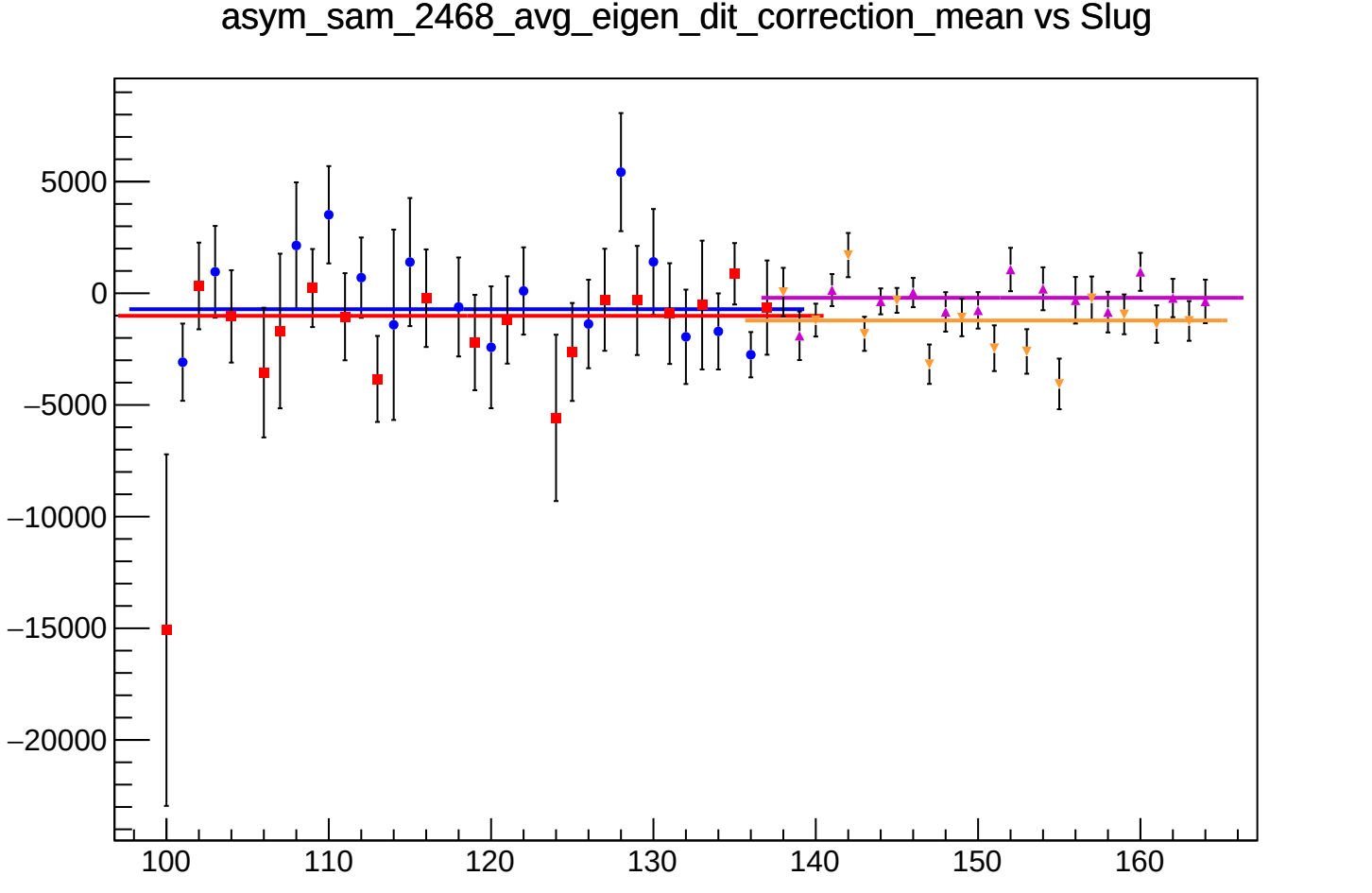
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.746+/-0.021 χ^2/NDF:161320.3/12

+ sign 99.154+/-0.017 χ^2/NDF: 837040.5/29

All: 99.413+/-0.012 χ^2/NDF: 1665566.4/61

- 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: -1217.869+/-228.791 χ^2/NDF:29.2/13

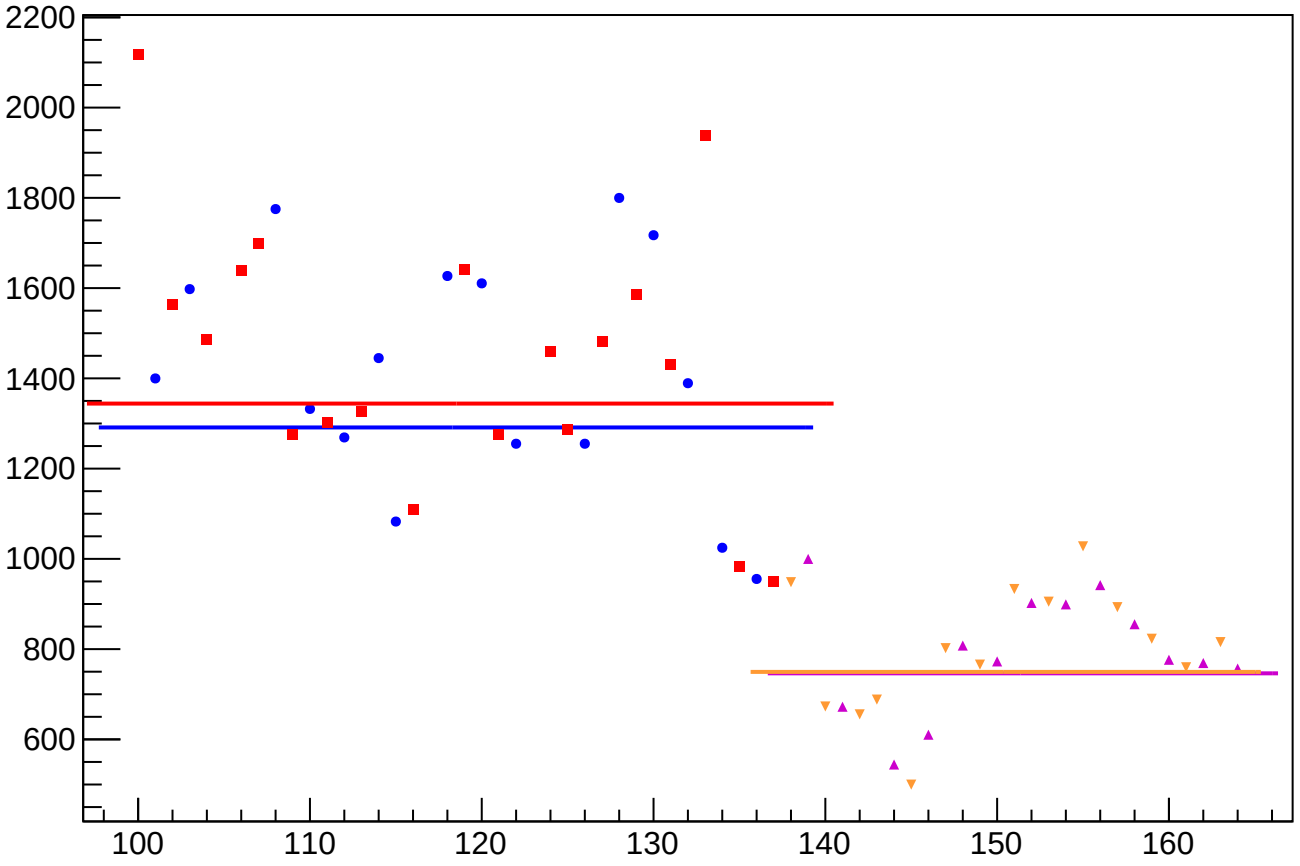
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -202.972+/-229.929 χ^2/NDF:8.1/12

+ sign -1128.458+/-207.551 χ^2/NDF: 50.1/29

All: -738.612+/-147.270 χ^2/NDF: 79.3/61

- 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: 749.546+/-0.162 χ^2/NDF:831985.0/13

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

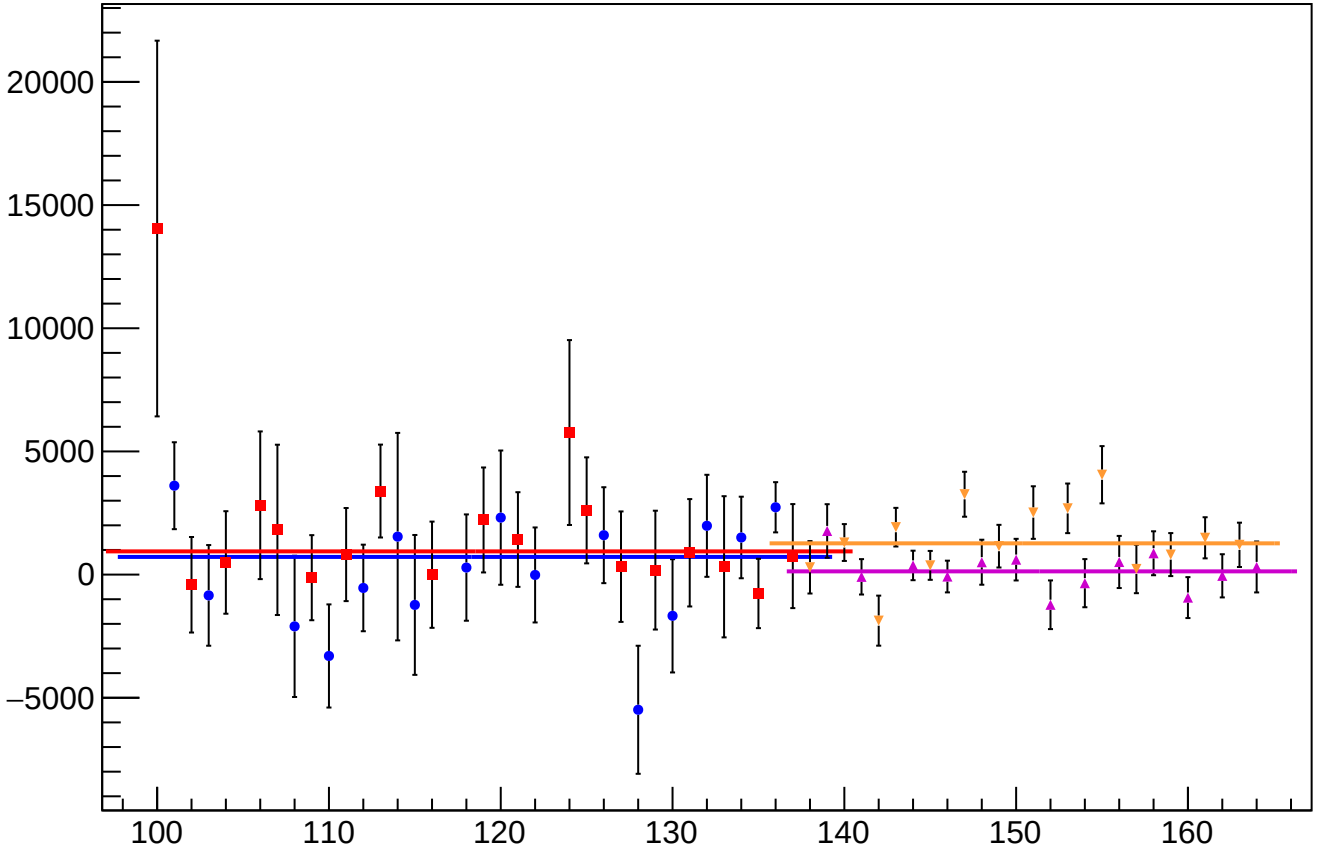
Left In: 746.359+/-0.163 χ^2/NDF:674434.7/12

+ sign 845.453+/-0.147 χ^2/NDF: 3427779.8/29

All: 847.825+/-0.104 χ^2/NDF: 6942569.7/61

- 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: 1268.961+/-233.558 χ^2/NDF:28.8/13

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

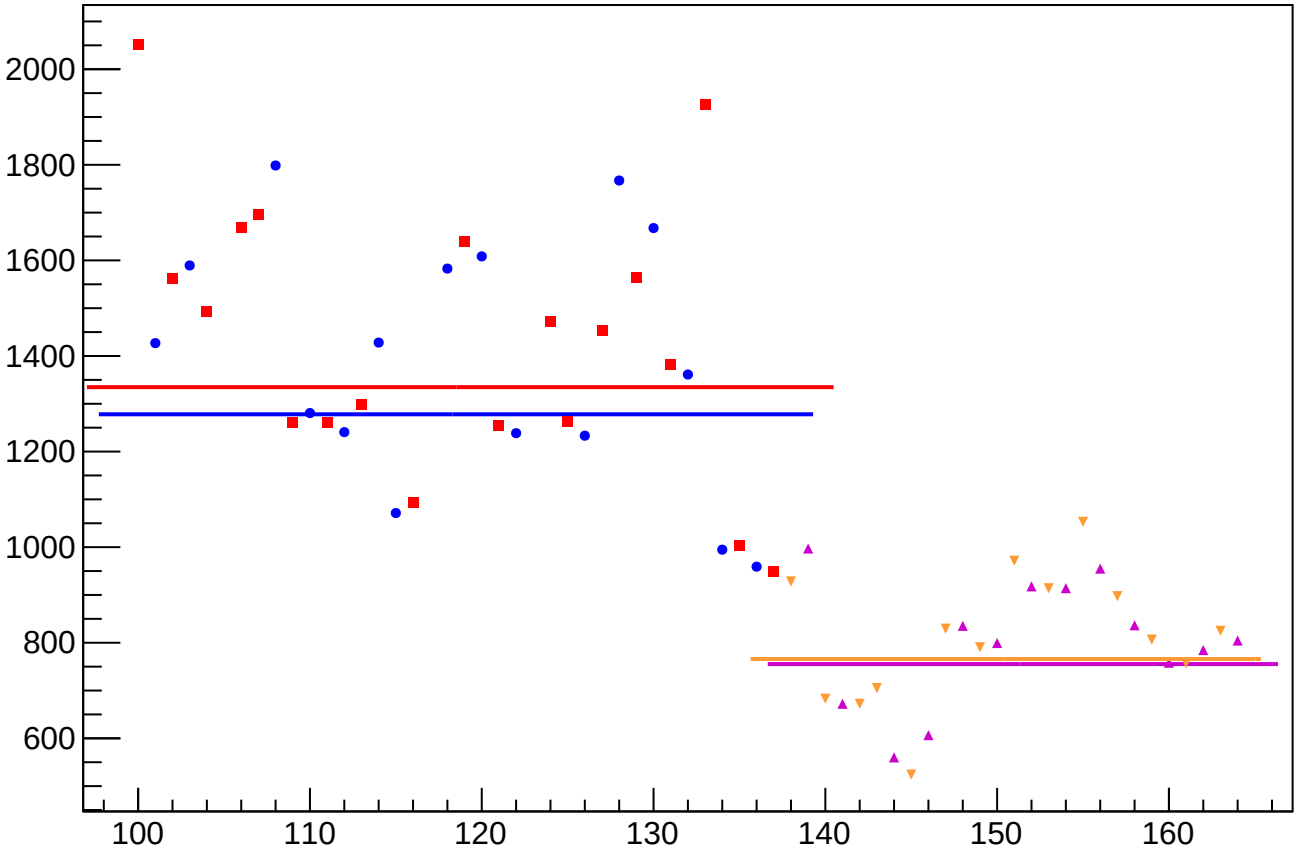
Left In: 131.303+/-232.531 χ^2/NDF:7.8/12

+ sign 1166.289+/-210.692 χ^2/NDF: 50.8/29

All: 721.381+/-148.984 χ^2/NDF: 80.2/61

- 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: 765.938+/-0.165 χ^2/NDF:740177.7/13

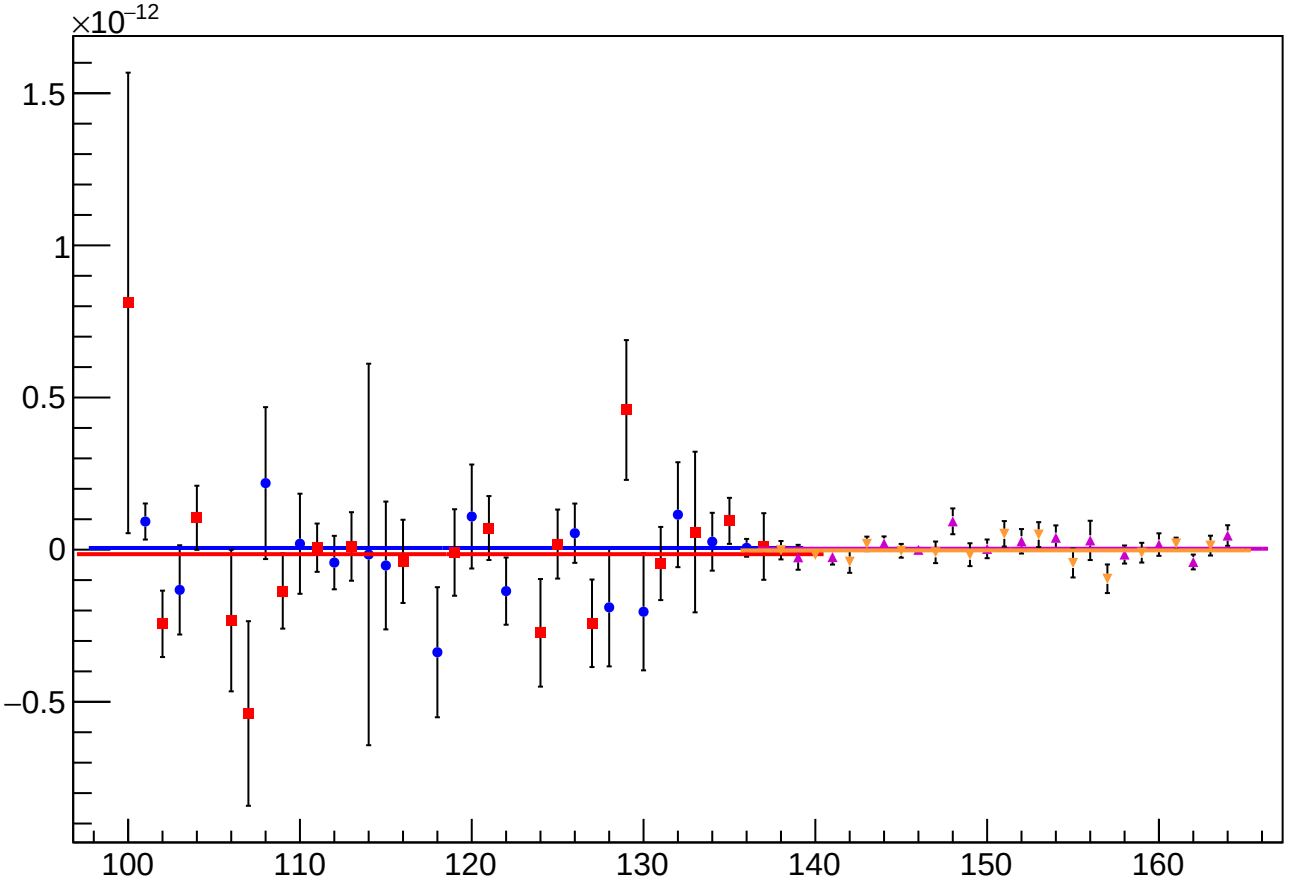
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 755.364+/-0.164 χ^2/NDF:667579.9/12

+ sign 861.291+/-0.149 χ^2/NDF: 3127959.8/29

All: 860.176+/-0.105 χ^2/NDF: 6489910.0/61

- 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:12.6/13

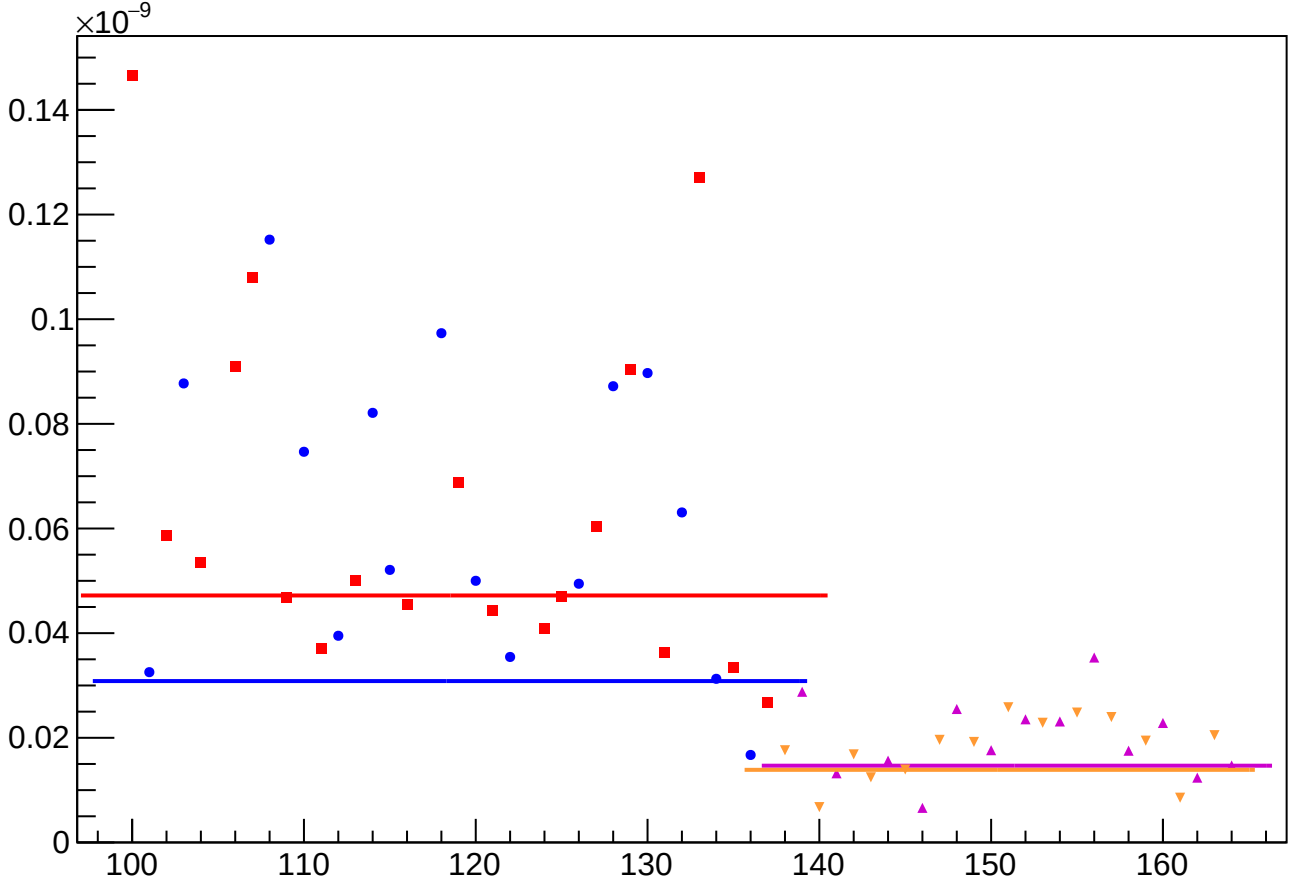
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: 0.000+/-0.000 χ^2/NDF: 62.2/61

- 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:1336917.5/13

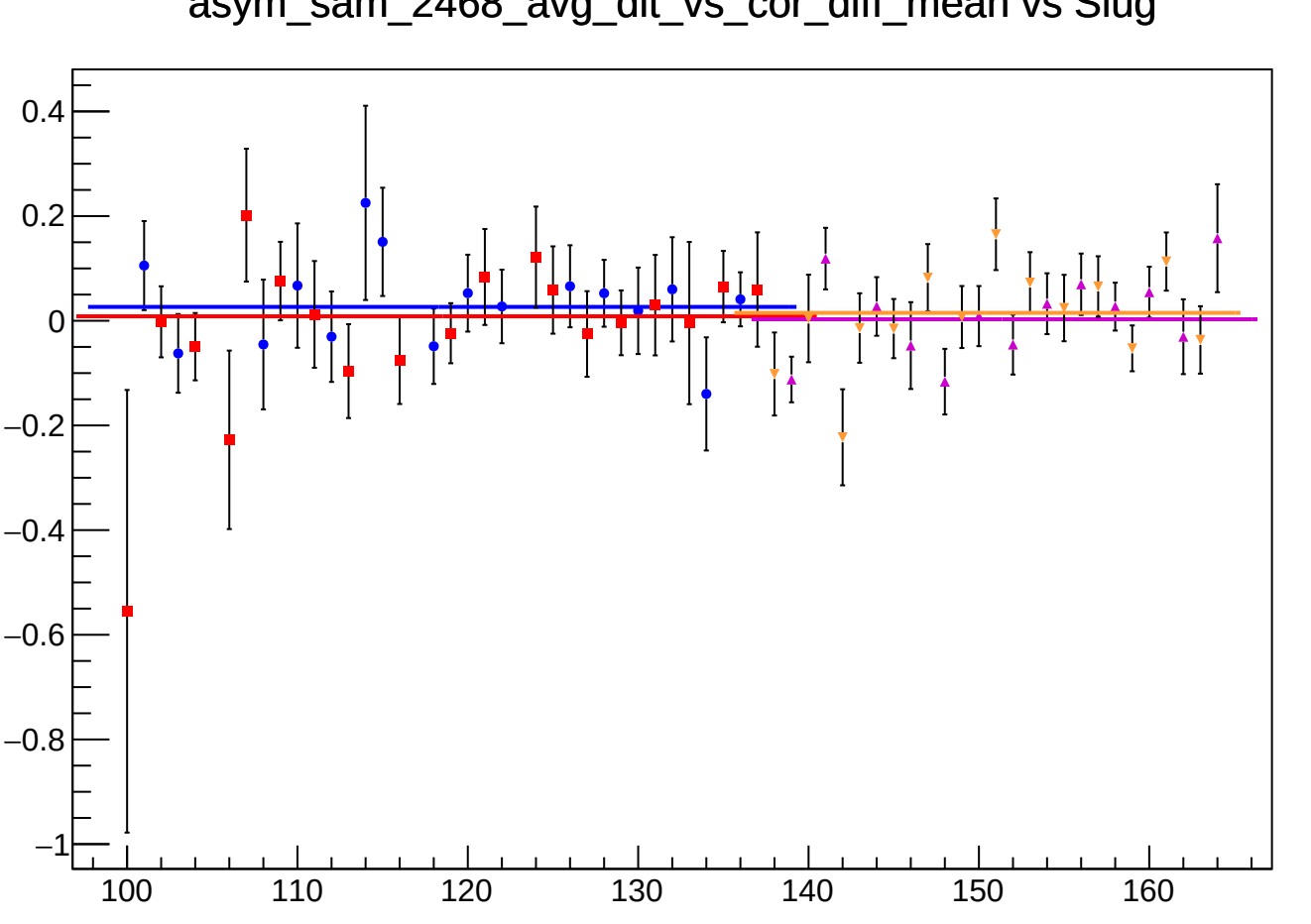
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1535291.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4355315.7/29

All: 0.000+/-0.000 χ^2/NDF: 9046126.4/61

- 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: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

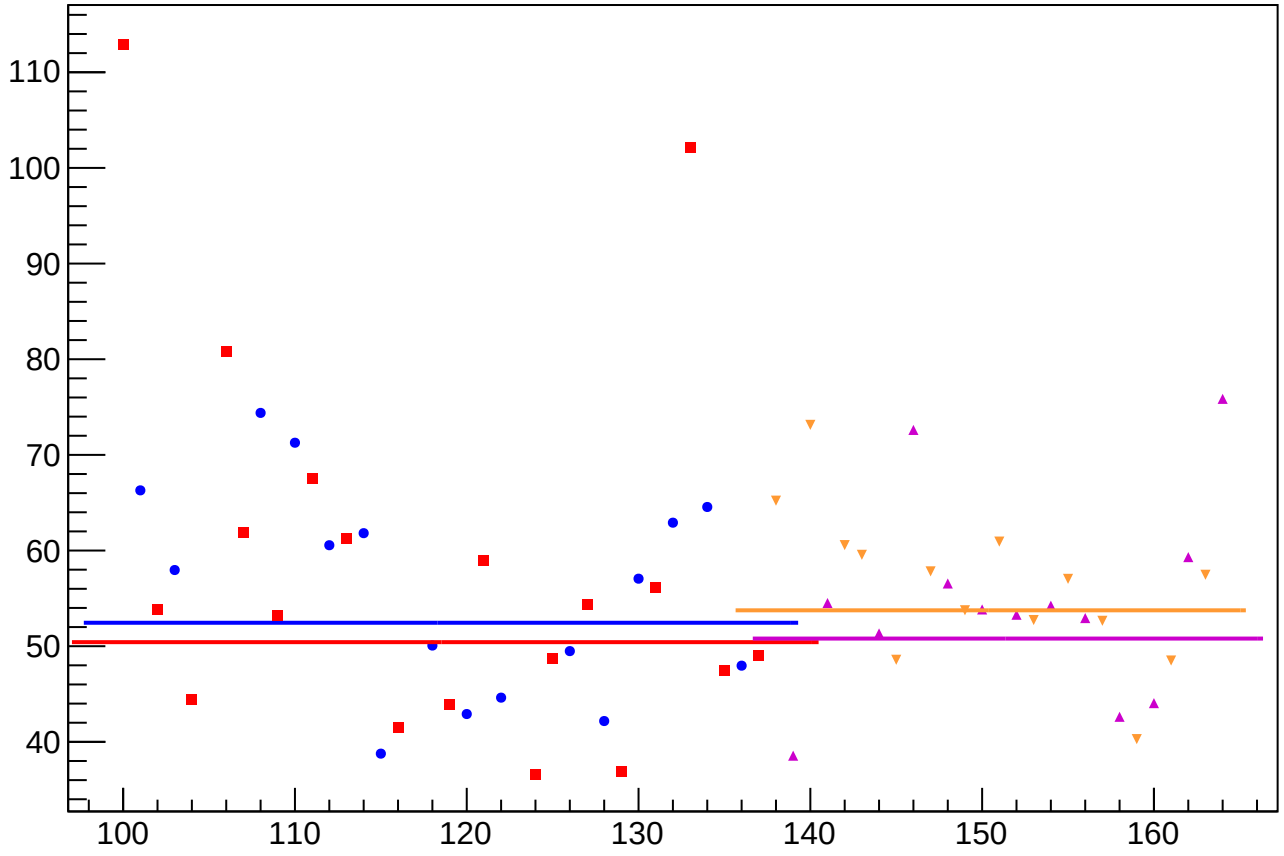
Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.012+/-0.009 χ^2/NDF: 69.2/61

- 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: 53.751+/-0.012 χ^2/NDF:442535.4/13

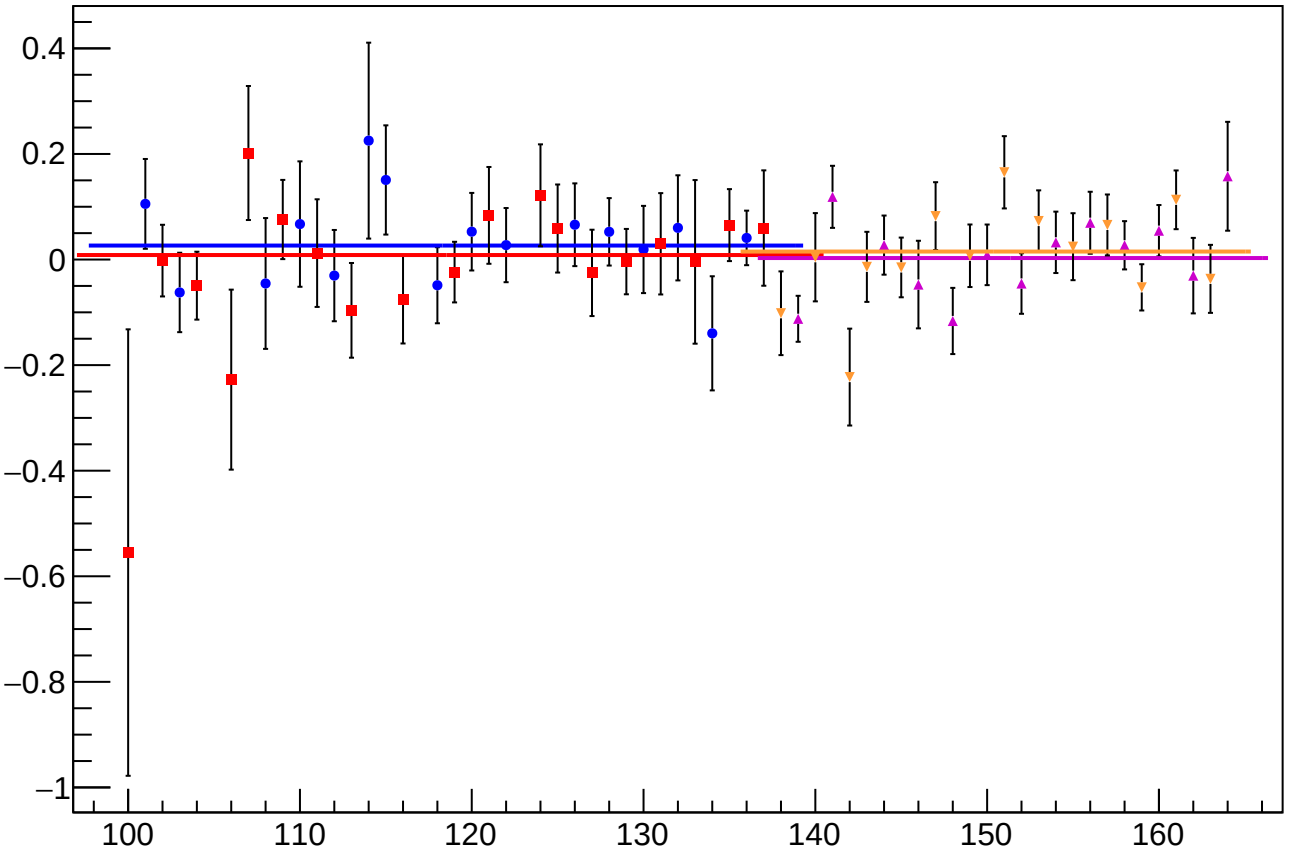
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

+ sign 53.233+/-0.009 χ^2/NDF: 865437.3/29

All: 51.887+/-0.006 χ^2/NDF: 2174035.3/61

- 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: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

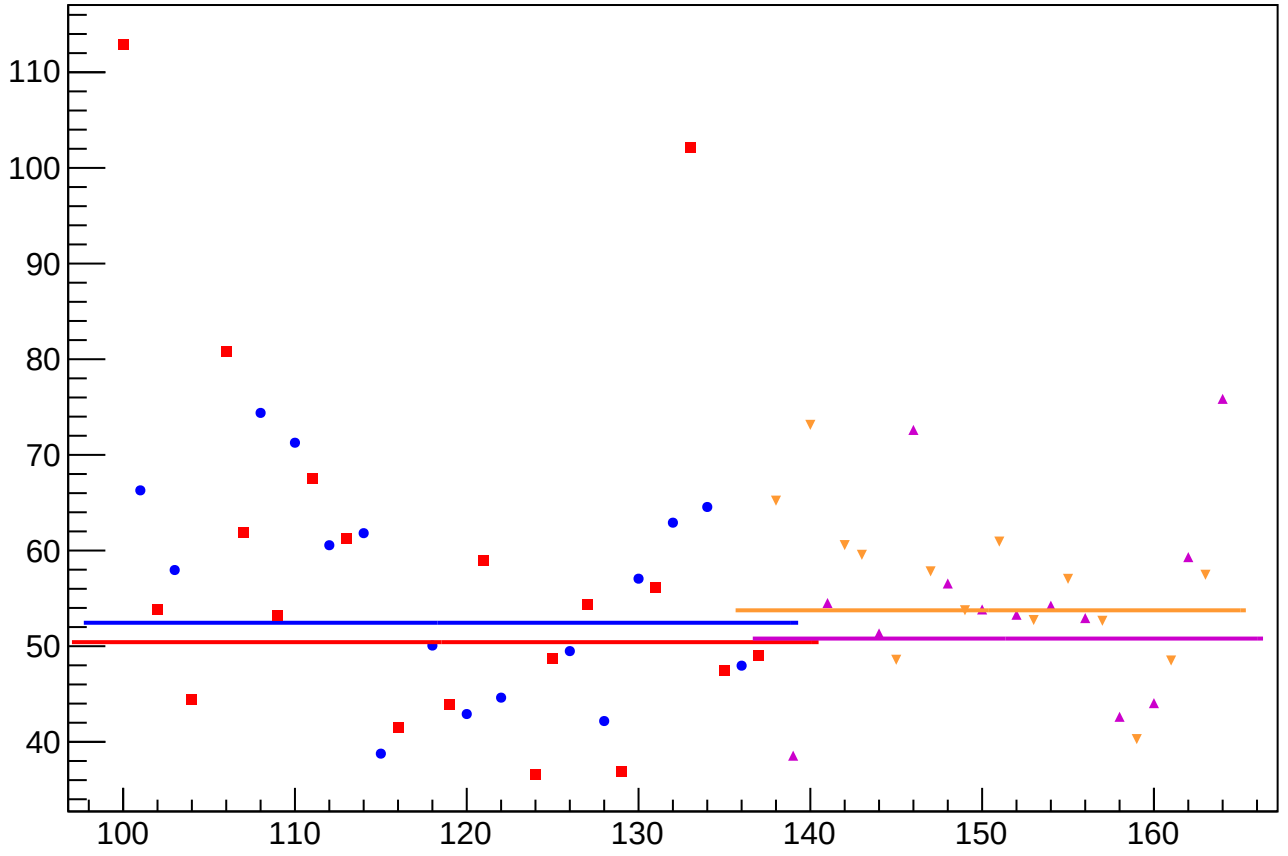
Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.012+/-0.009 χ^2/NDF: 69.2/61

- sign 0.005+/-0.012 χ^2/NDF: 35.2/31

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

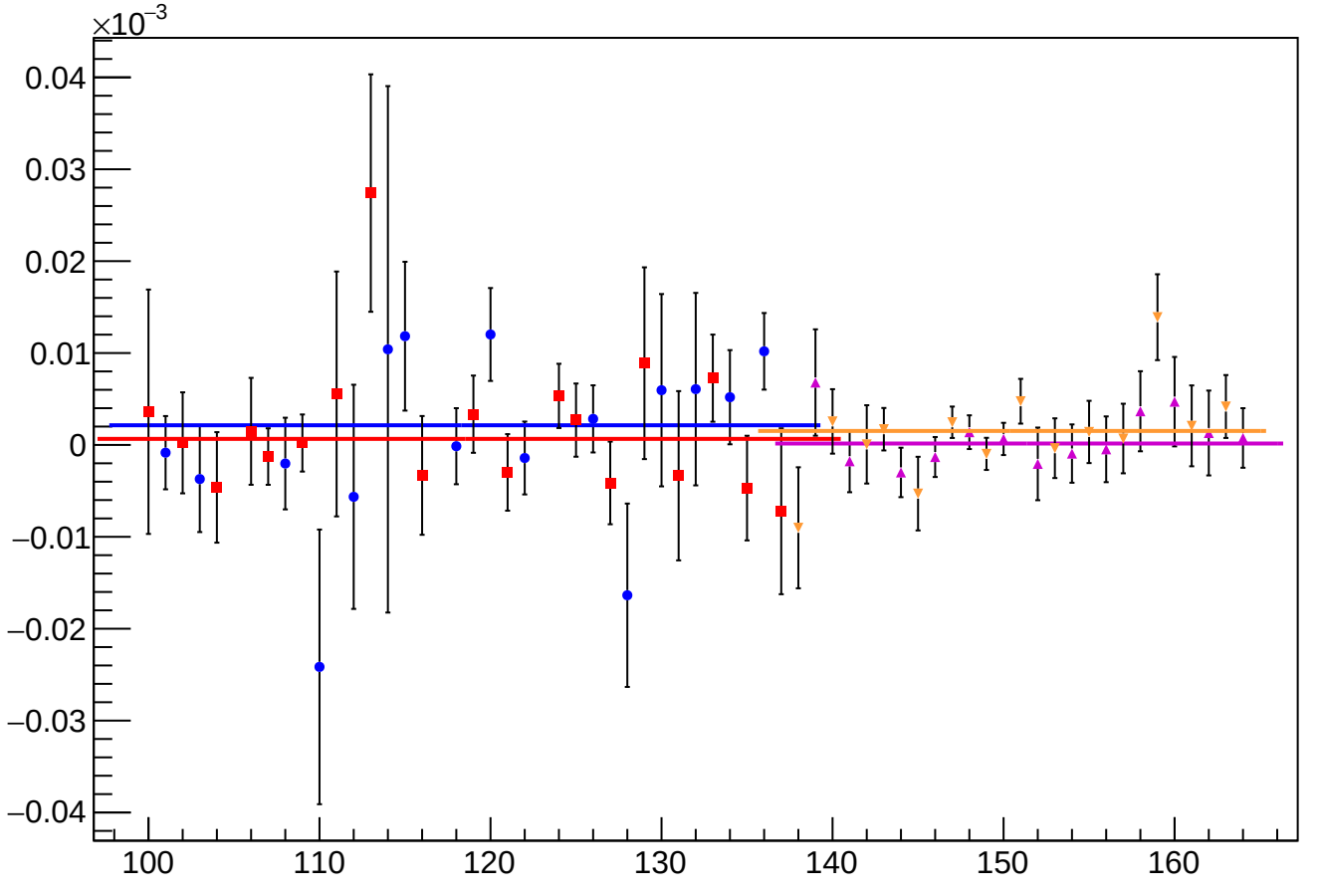
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

+ sign 53.233+/-0.009 χ^2/NDF: 865437.3/29

All: 51.887+/-0.006 χ^2/NDF: 2174035.3/61

- 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:17.8/13

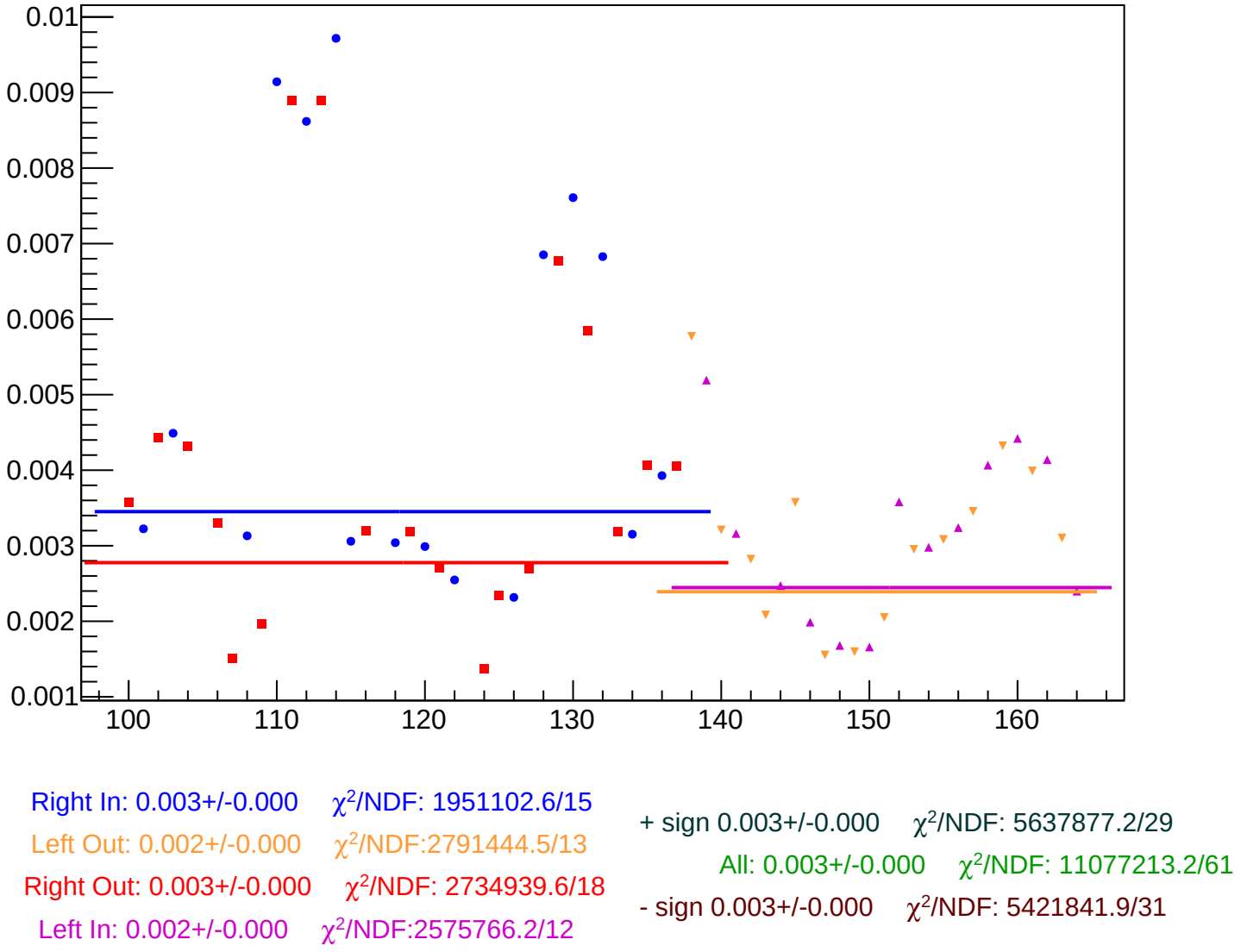
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

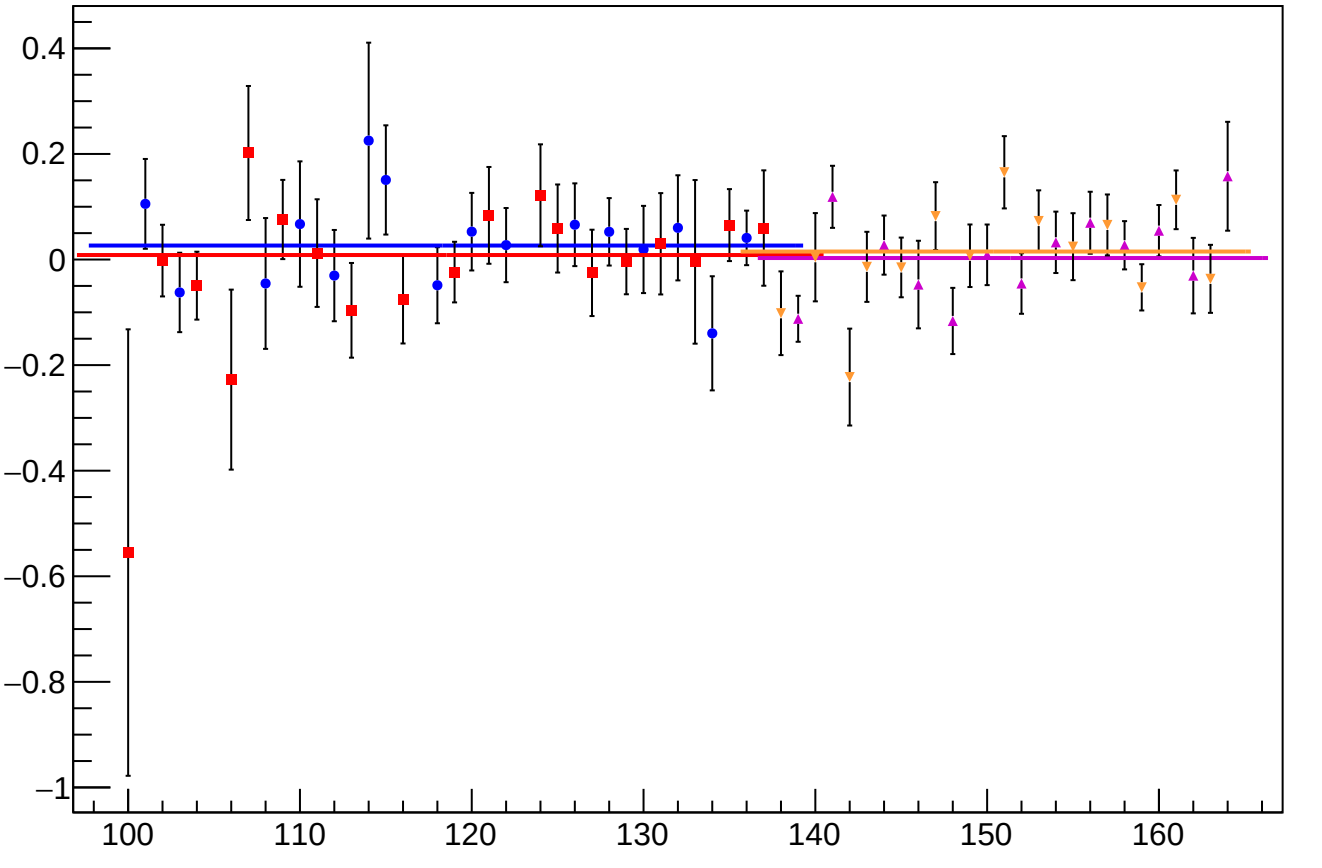
Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/29

All: 0.000+/-0.000 χ^2/NDF: 61.1/61

- sign 0.000+/-0.000 χ^2/NDF: 21.0/31


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1951102.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2791444.5/13
Right Out: 0.003+/-0.000 χ²/NDF: 2734939.6/18
Left In: 0.002+/-0.000 χ²/NDF:2575766.2/12
+ sign 0.003+/-0.000 χ²/NDF: 5637877.2/29
All: 0.003+/-0.000 χ²/NDF: 11077213.2/61
- sign 0.003+/-0.000 χ²/NDF: 5421841.9/31



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

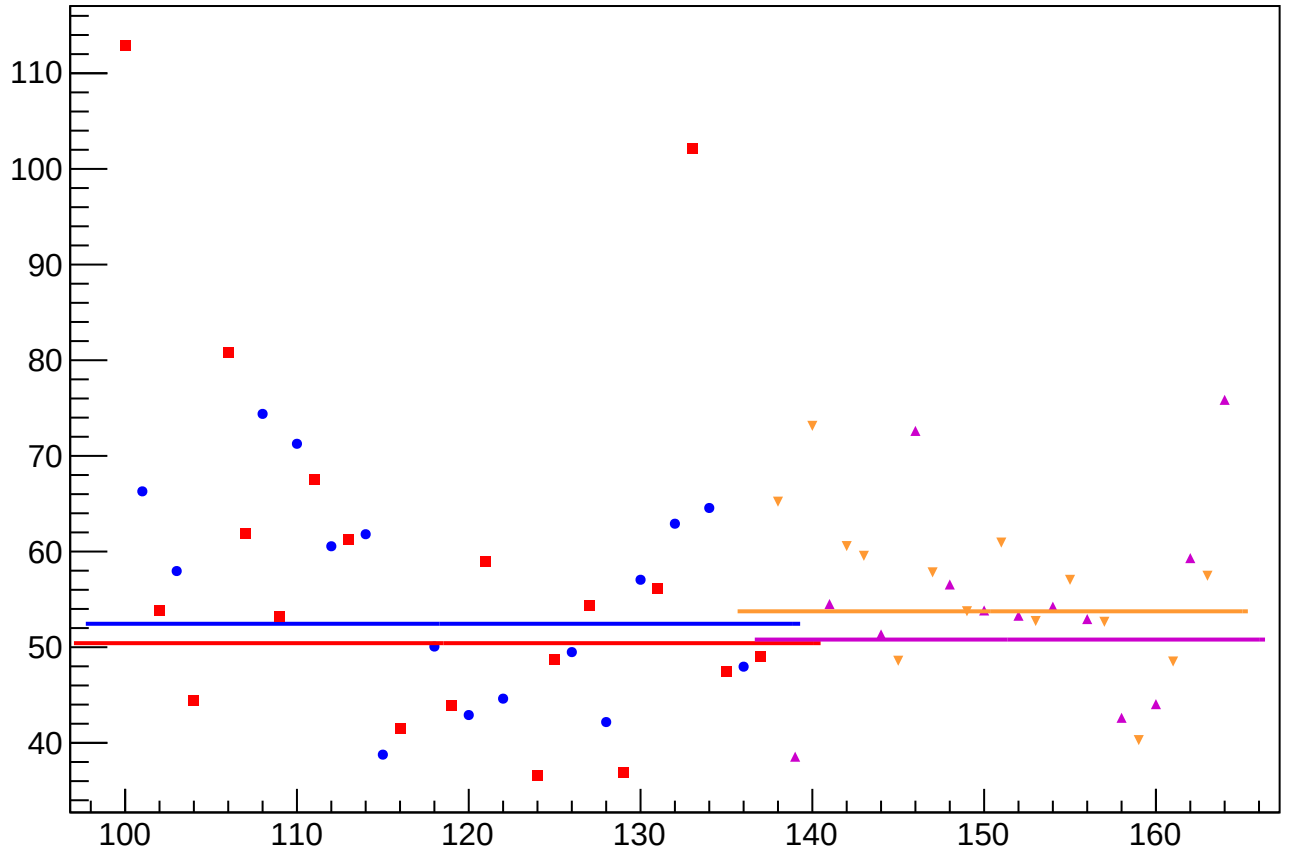
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.012+/-0.009 χ^2/NDF: 69.2/61

- 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: 53.751+/-0.012 χ^2/NDF:442554.9/13

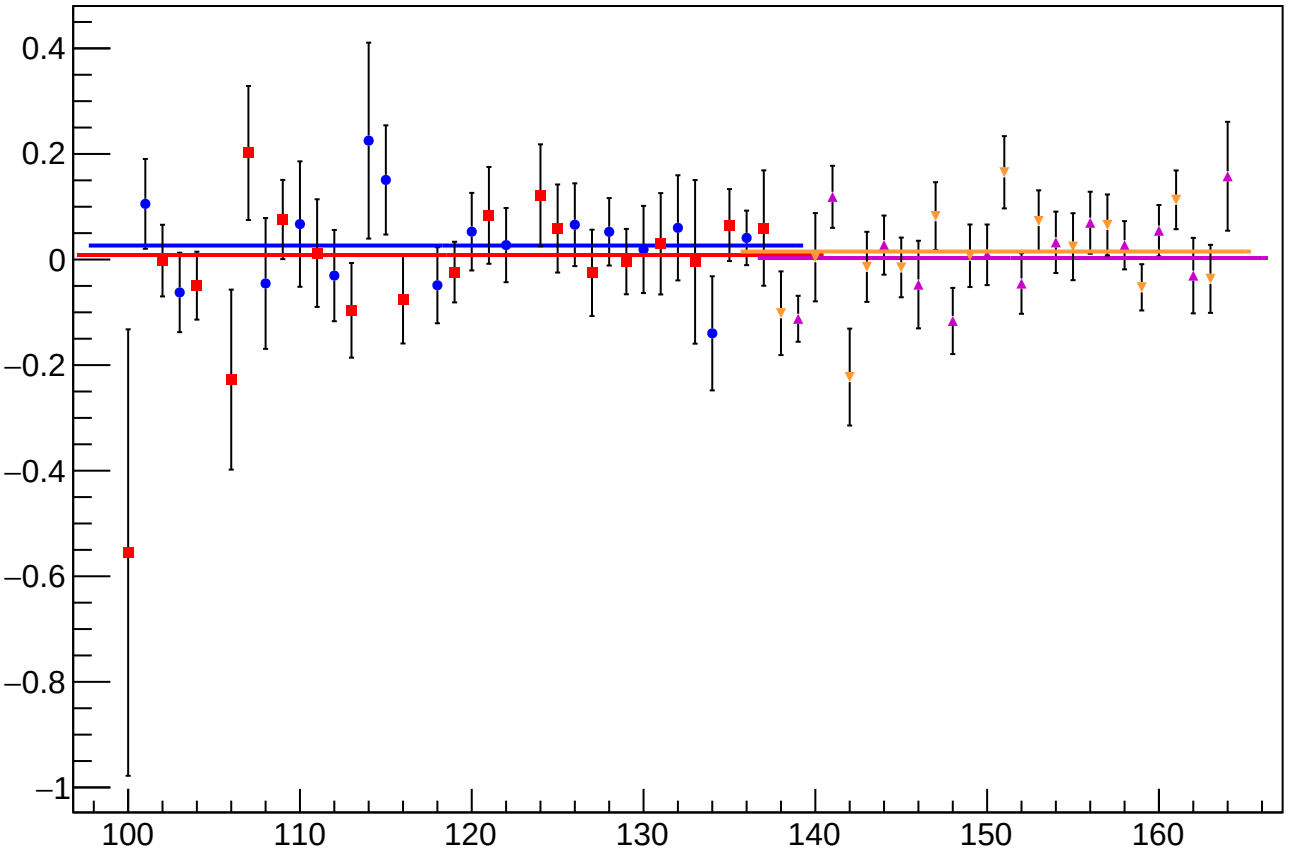
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

+ sign 53.233+/-0.009 χ^2/NDF: 865421.1/29

All: 51.886+/-0.006 χ^2/NDF: 2174118.0/61

- 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: 0.015+/-0.017 χ^2/NDF:23.2/13

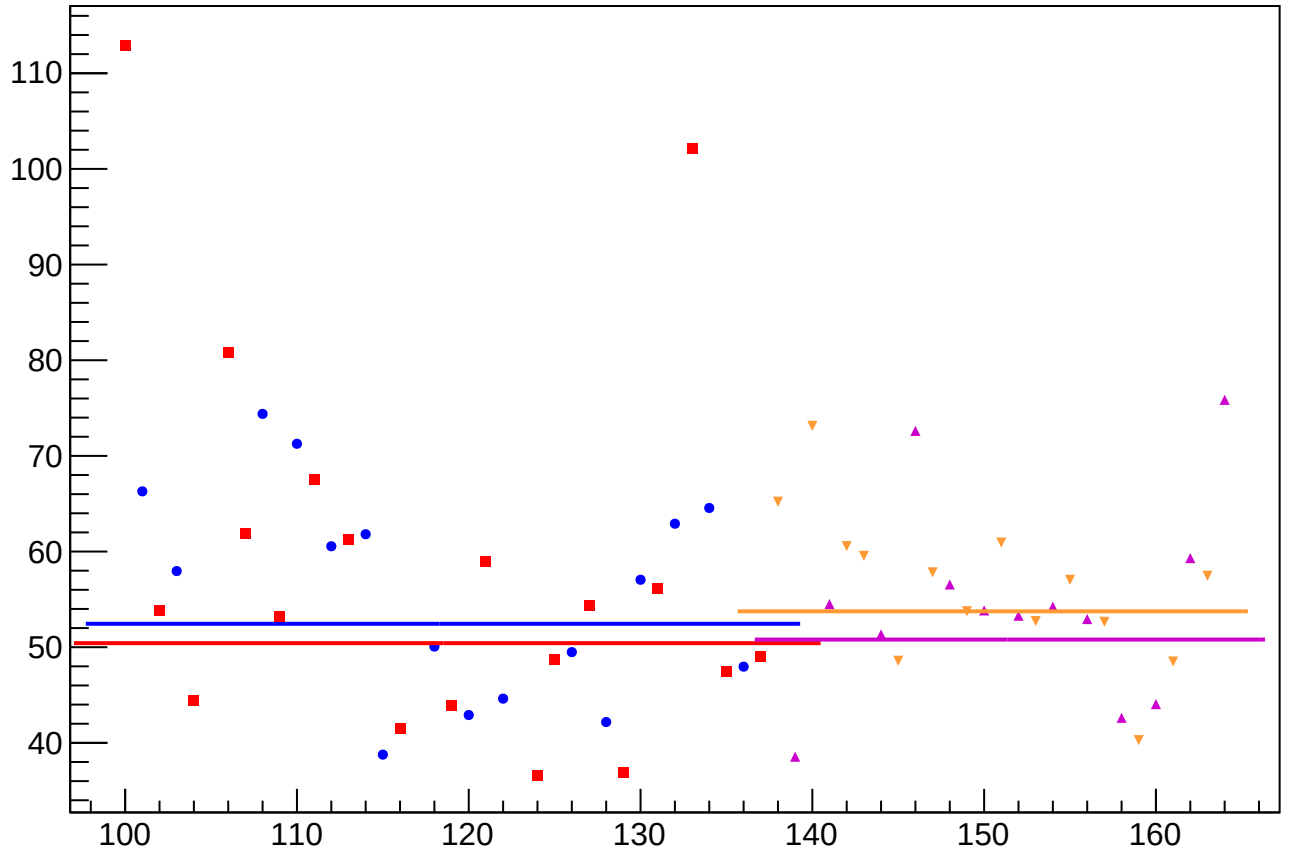
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.012+/-0.009 χ^2/NDF: 69.2/61

- 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: 53.751+/-0.012 χ^2/NDF:442554.9/13

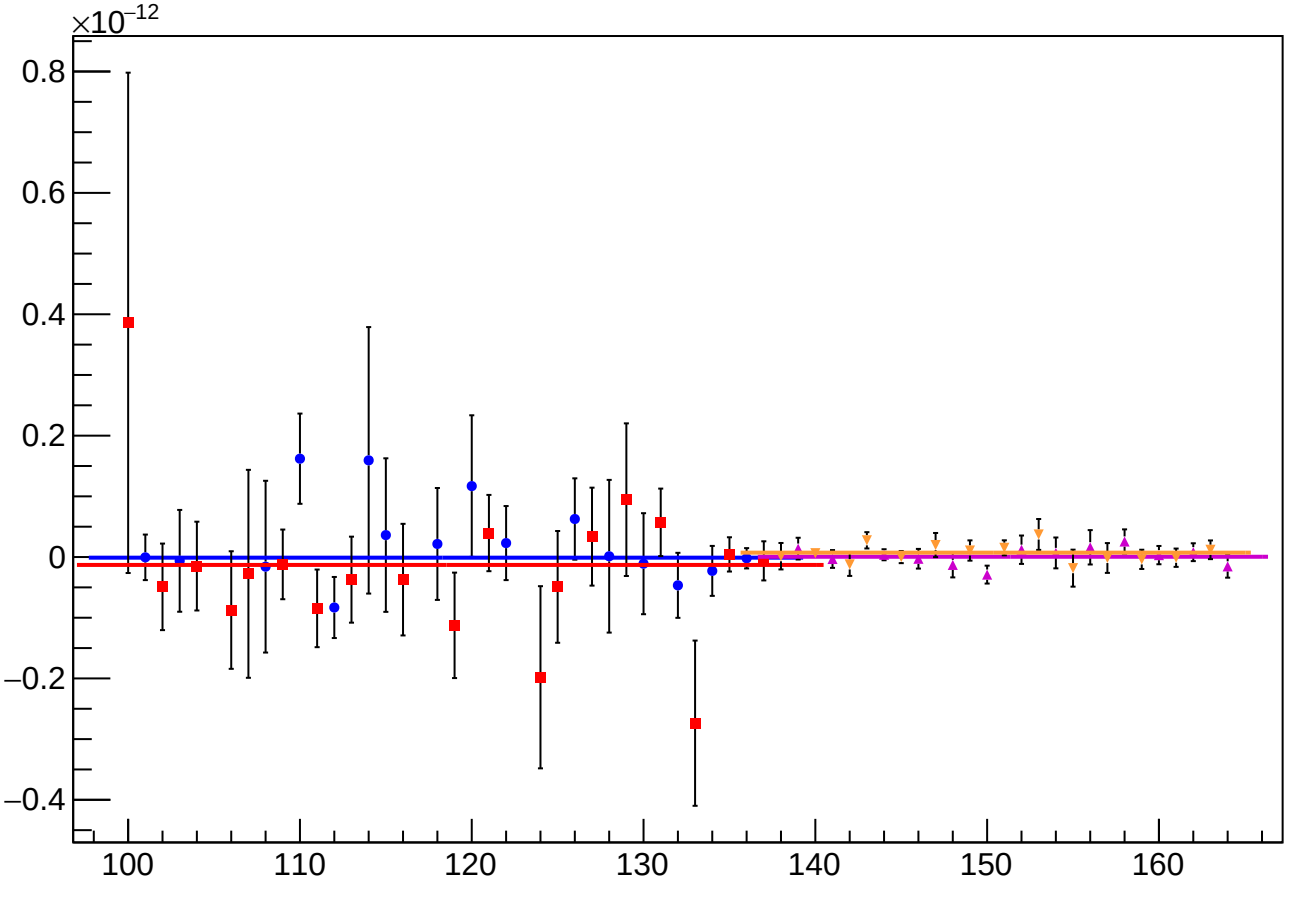
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

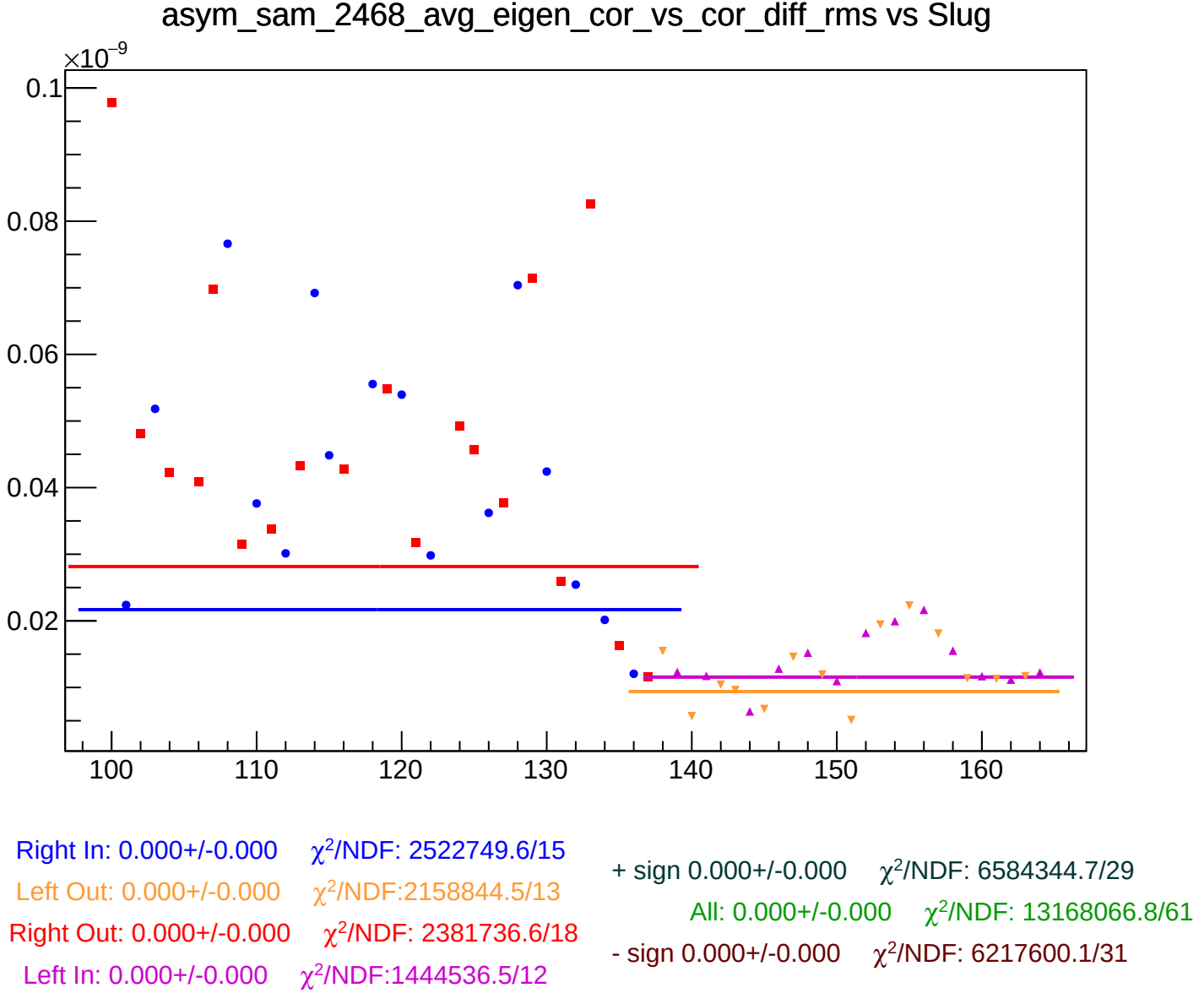
Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

+ sign 53.233+/-0.009 χ^2/NDF: 865421.1/29

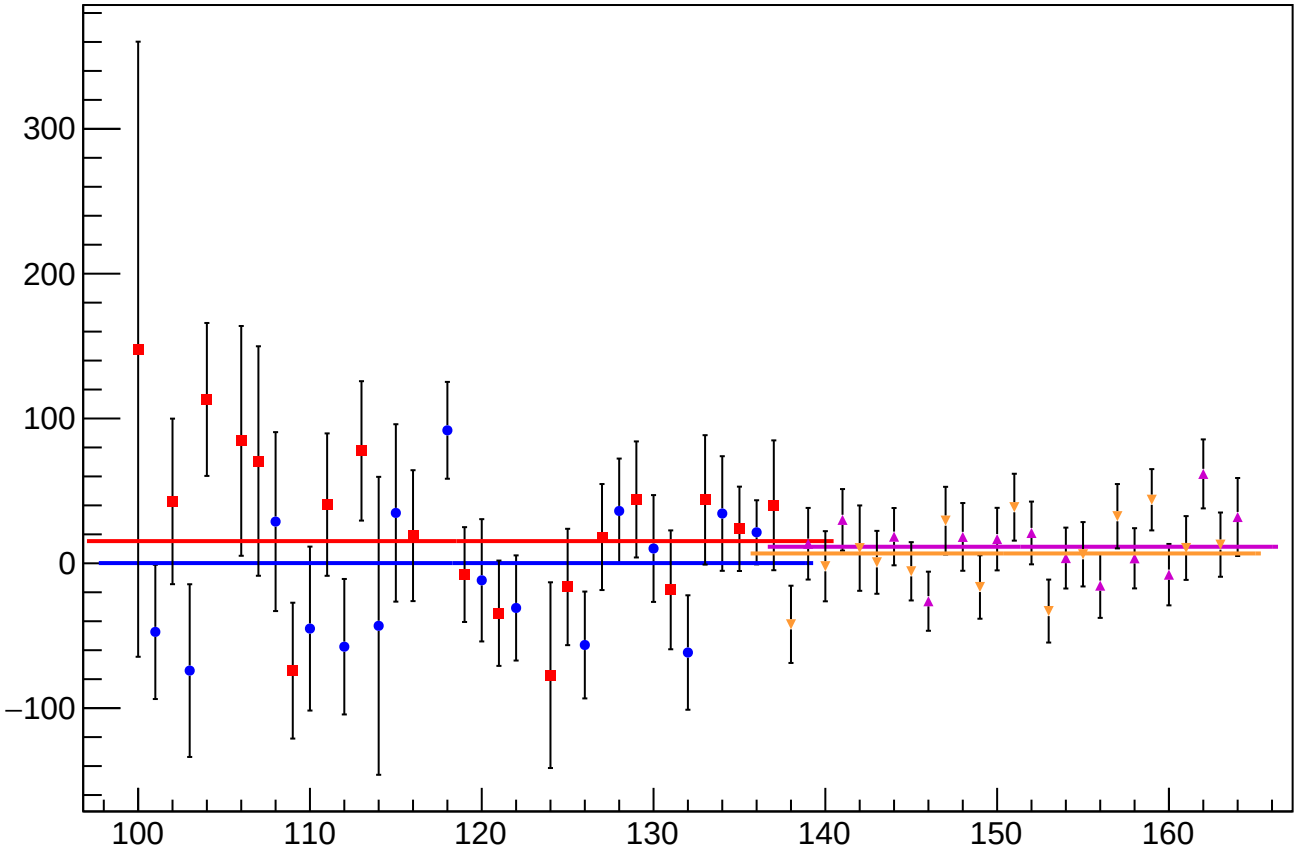
All: 51.886+/-0.006 χ^2/NDF: 2174118.0/61

- sign 50.647+/-0.009 χ^2/NDF: 1266673.8/31


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:8.4/12
+ sign 0.000+/-0.000 χ²/NDF: 19.6/29
All: 0.000+/-0.000 χ²/NDF: 44.0/61
- sign -0.000+/-0.000 χ²/NDF: 22.9/31


asym_sam_2468_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: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2158844.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:1444536.5/12
+ sign 0.000+/-0.000 χ²/NDF: 6584344.7/29
All: 0.000+/-0.000 χ²/NDF: 13168066.8/61
- sign 0.000+/-0.000 χ²/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: 6.804+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

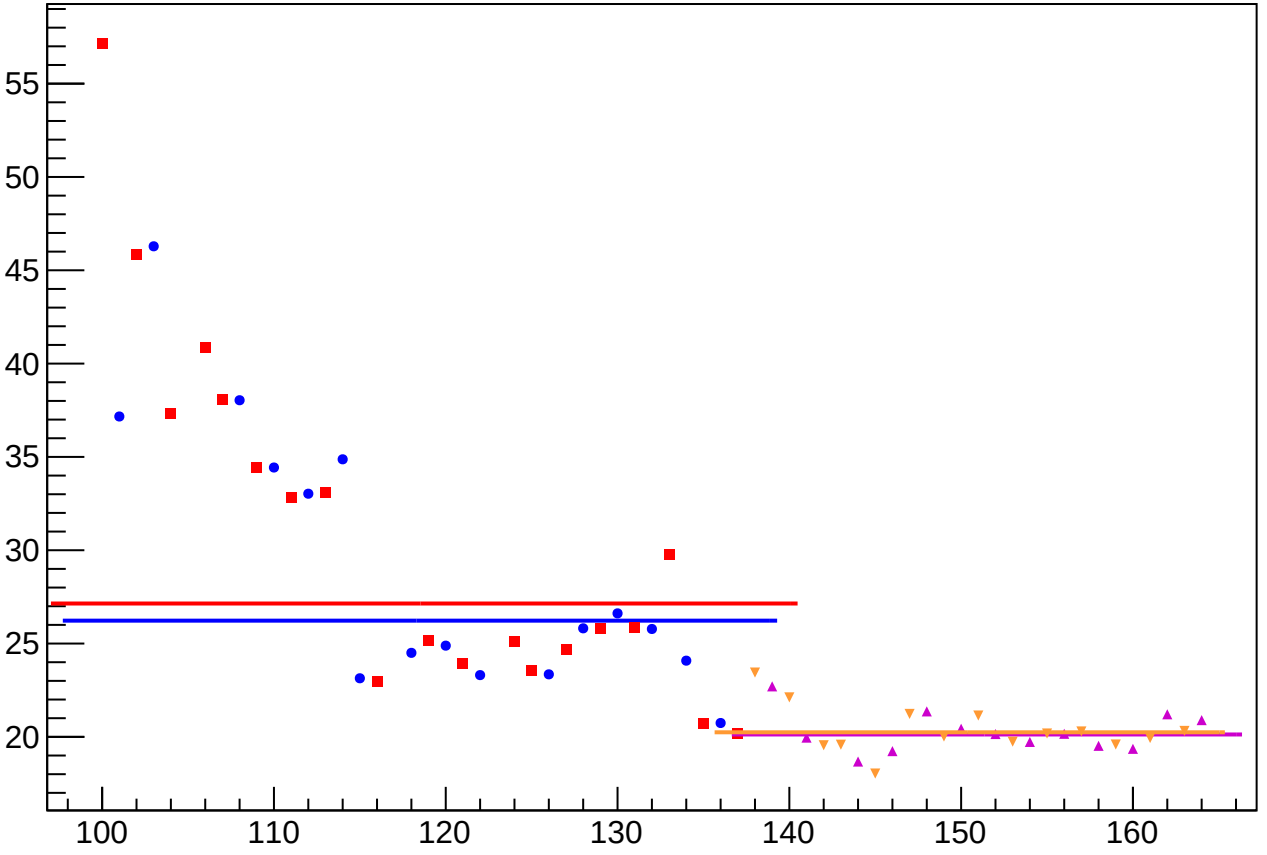
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.704+/-3.691 χ^2/NDF: 68.8/61

- 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: 20.245+/-0.004 χ^2/NDF:78025.8/13

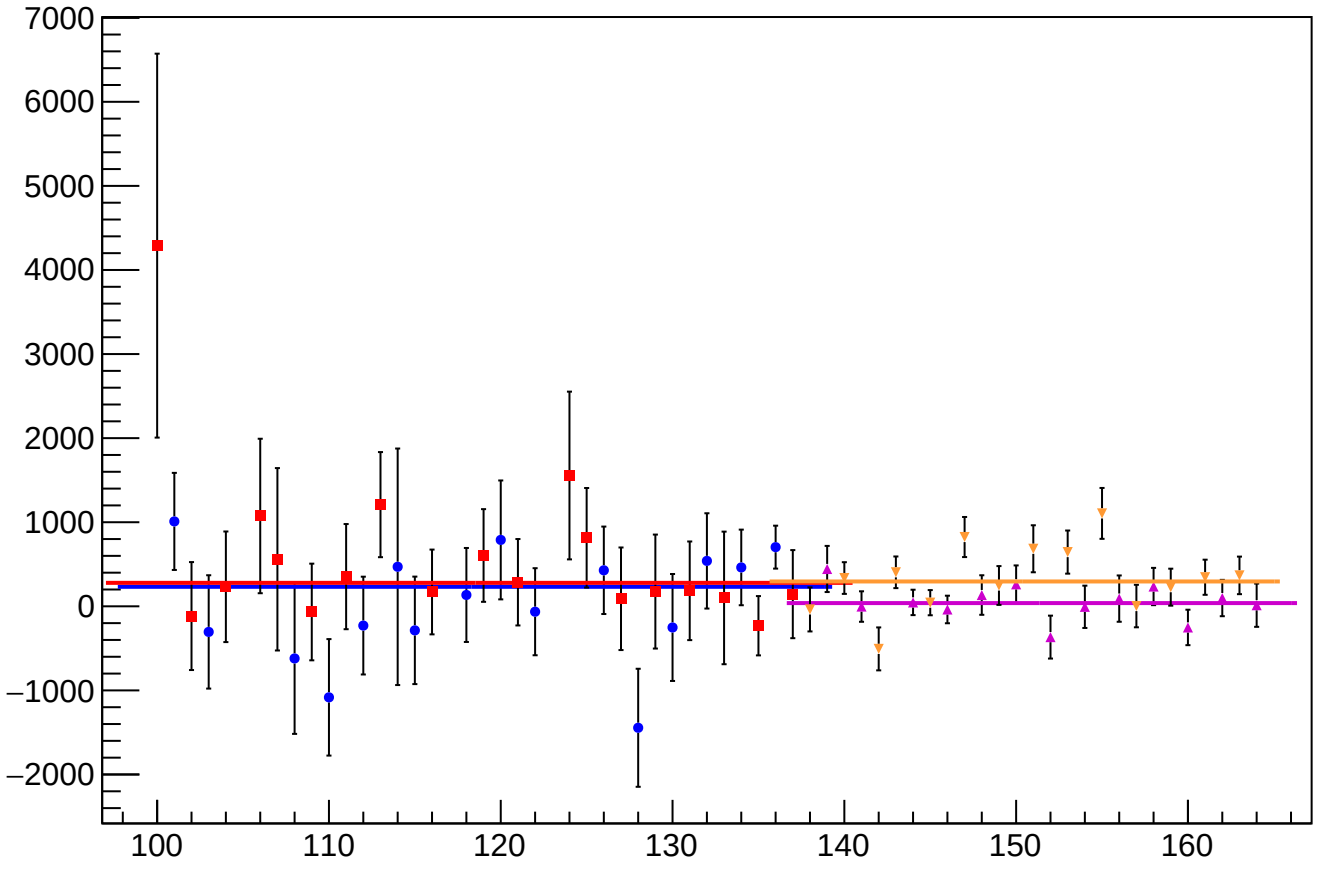
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.845+/-0.004 χ^2/NDF: 1273395.2/29

All: 21.902+/-0.003 χ^2/NDF: 2772990.2/61

- 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: 295.524+/-59.188 χ^2/NDF:32.2/13

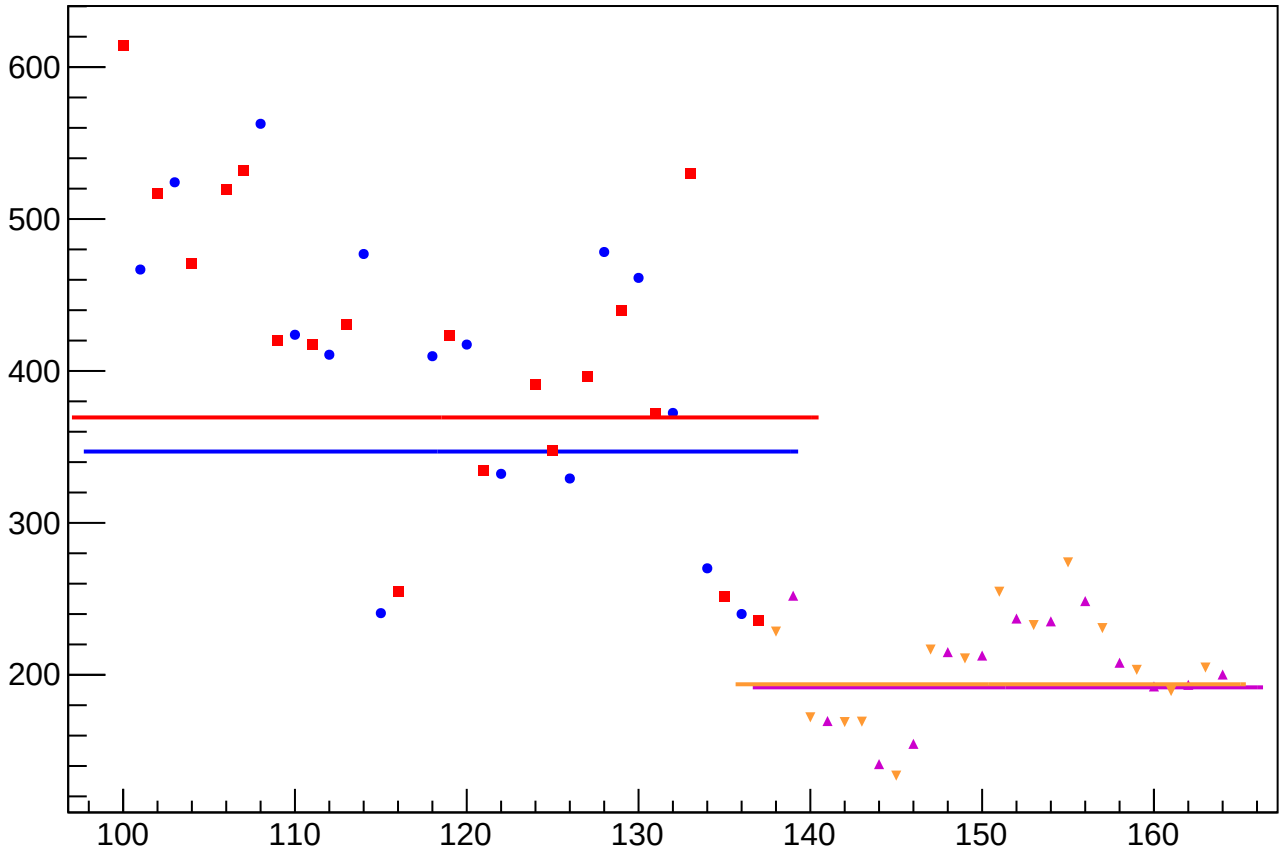
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 285.280+/-54.198 χ^2/NDF: 52.0/29

All: 180.486+/-38.408 χ^2/NDF: 83.1/61

- 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: 193.779+/-0.042 χ^2/NDF:800376.8/13

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

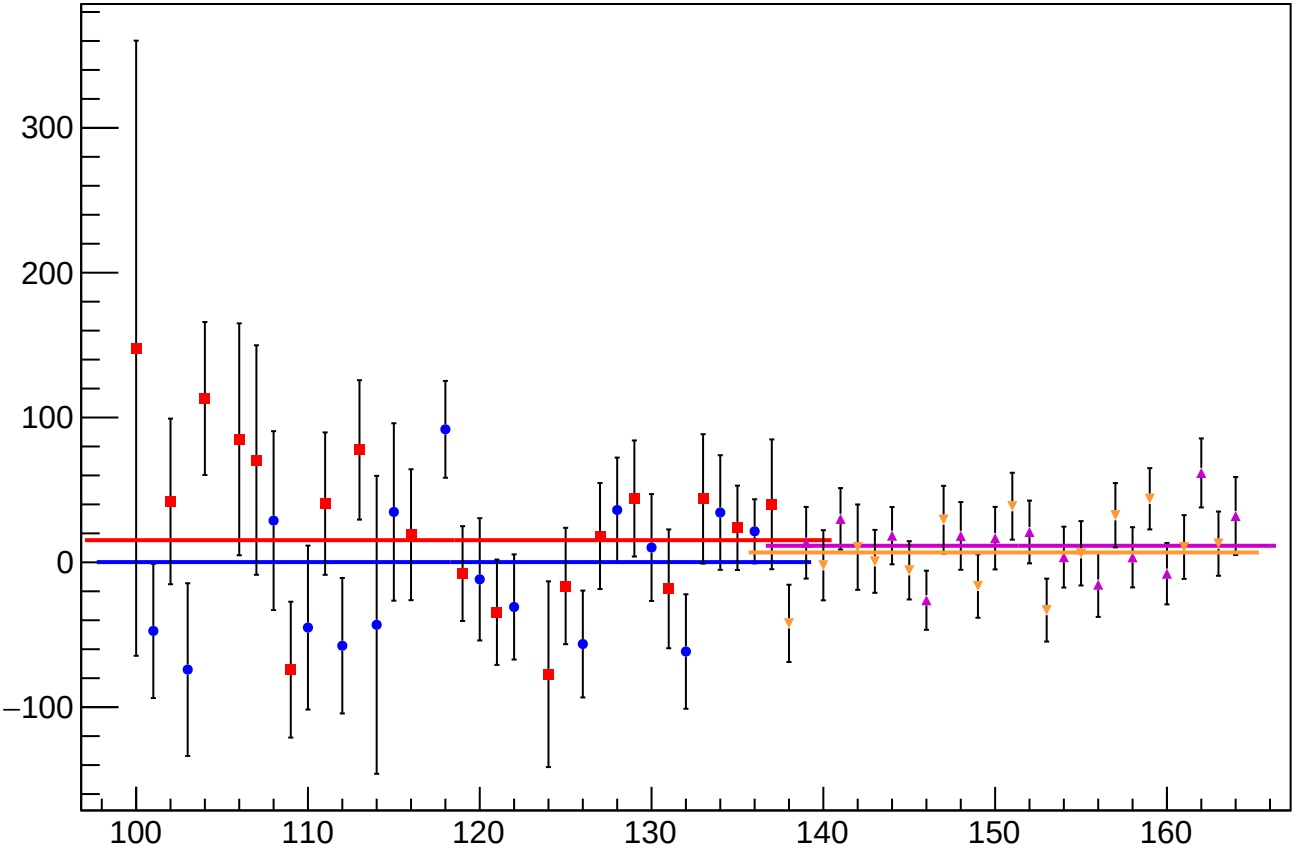
Left In: 191.759+/-0.042 χ^2/NDF:710817.0/12

+ sign 218.517+/-0.038 χ^2/NDF: 4021962.8/29

All: 218.574+/-0.027 χ^2/NDF: 8386263.7/61

- 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: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

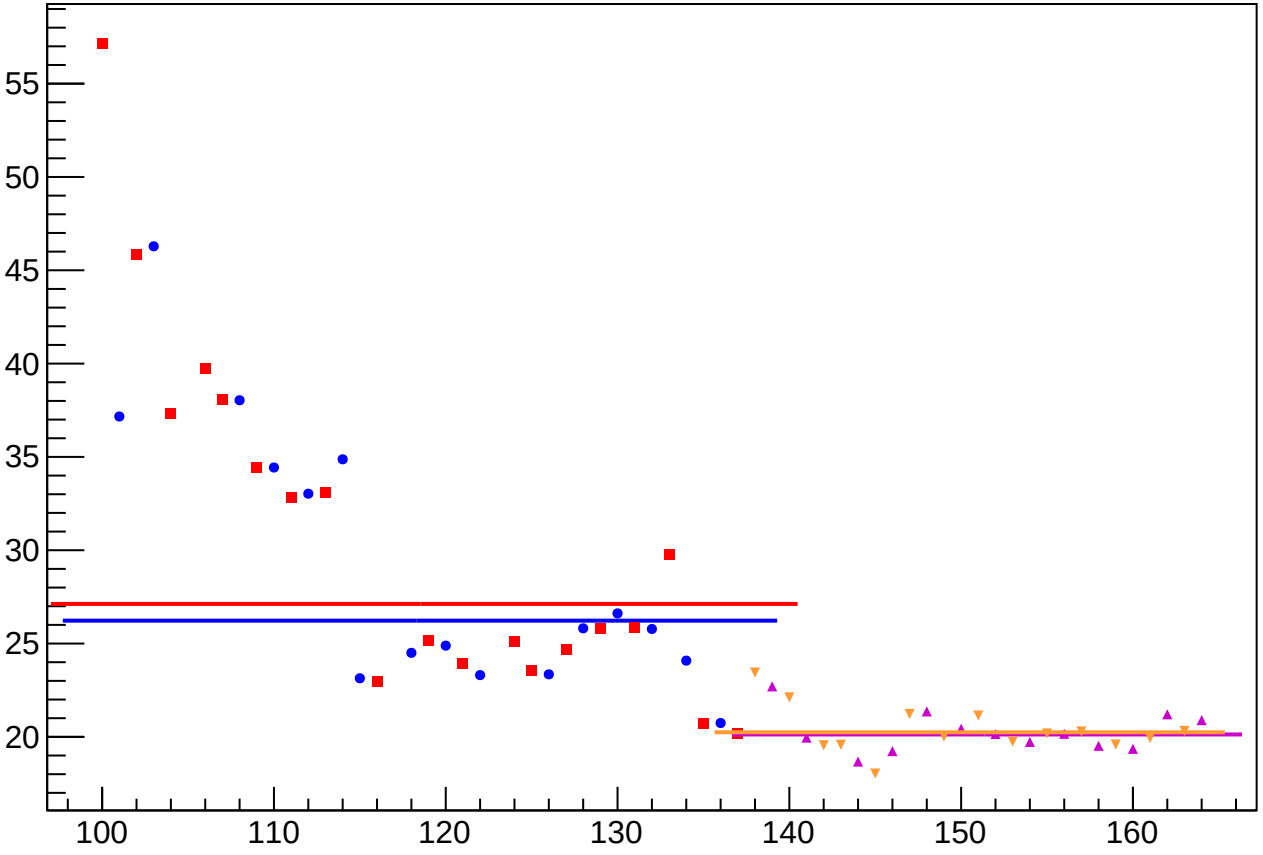
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.698+/-3.691 χ^2/NDF: 68.7/61

- 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: 20.245+/-0.004 χ^2/NDF:78025.8/13

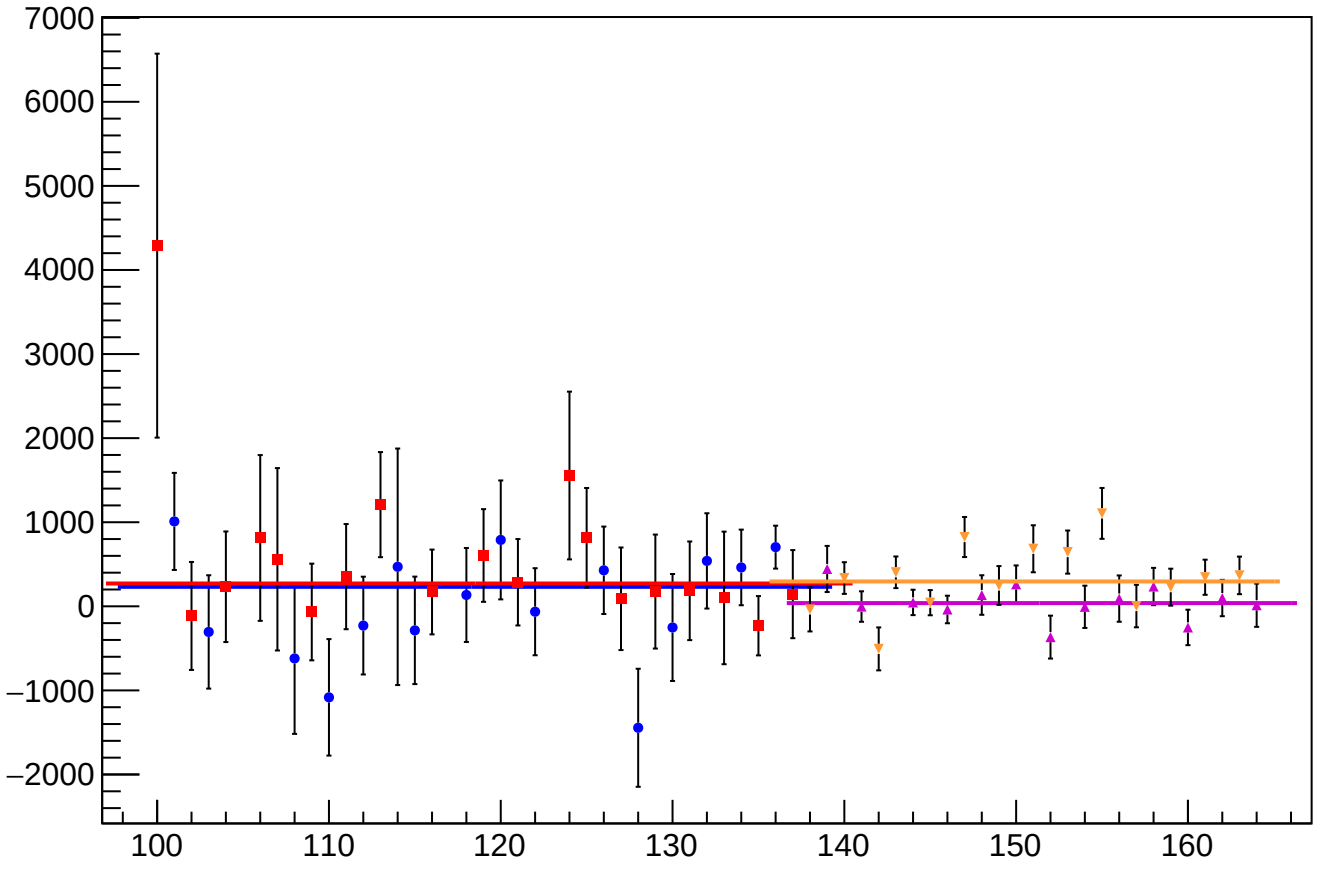
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.845+/-0.004 χ^2/NDF: 1273398.5/29

All: 21.898+/-0.003 χ^2/NDF: 2758724.5/61

- 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: 295.522+/-59.188 χ^2/NDF:32.2/13

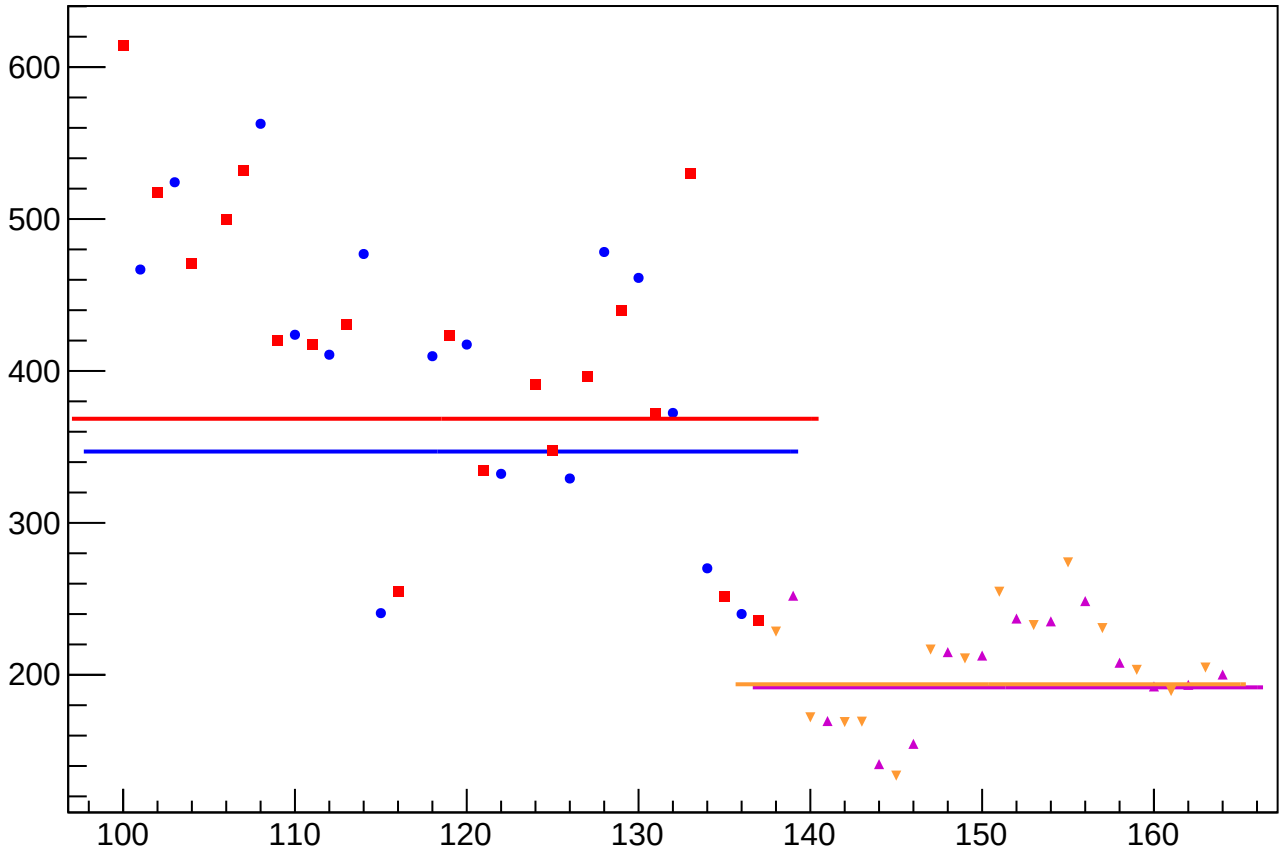
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 285.278+/-54.198 χ^2/NDF: 52.0/29

All: 179.889+/-38.412 χ^2/NDF: 82.5/61

- 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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

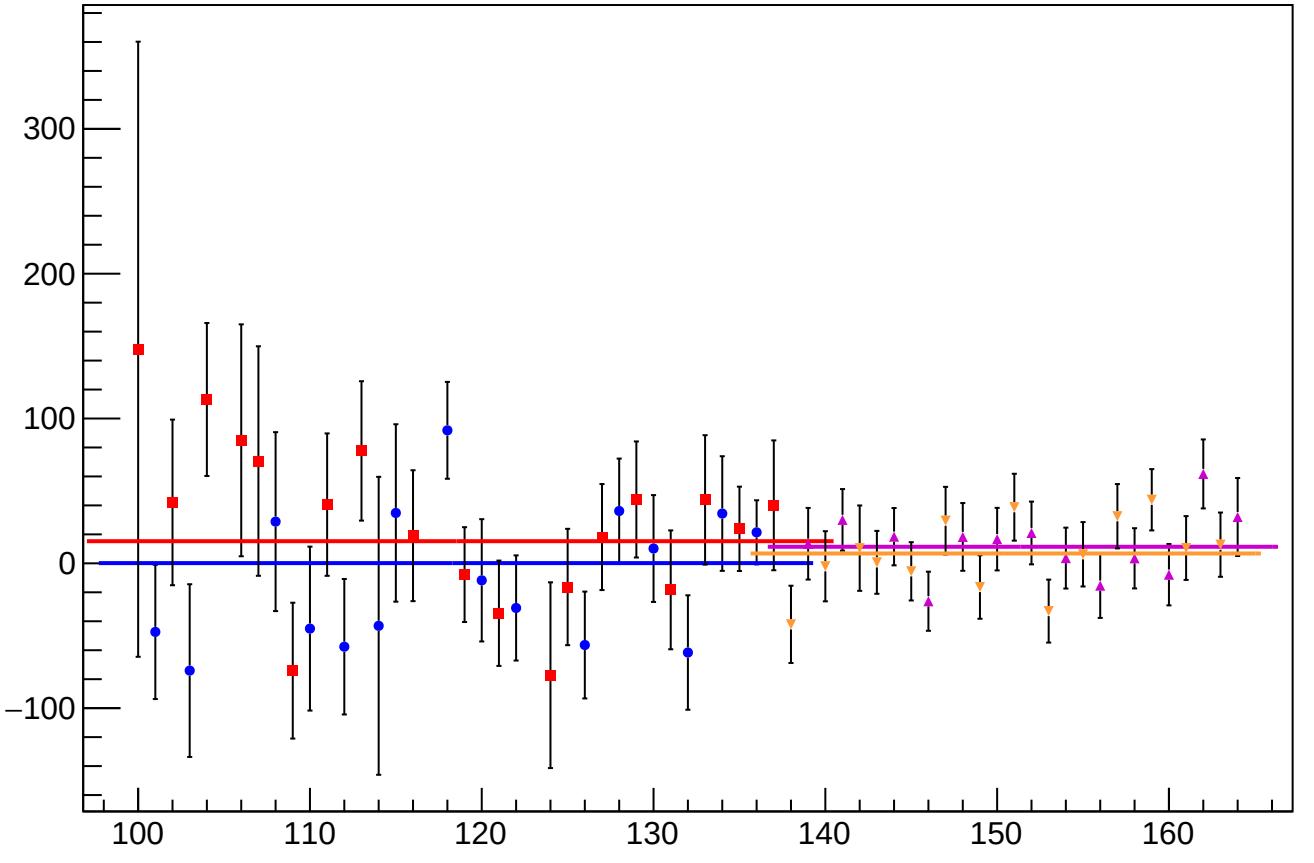
Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

+ sign 218.516+/-0.038 χ^2/NDF: 4021995.7/29

All: 218.474+/-0.027 χ^2/NDF: 8333898.2/61

- 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: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

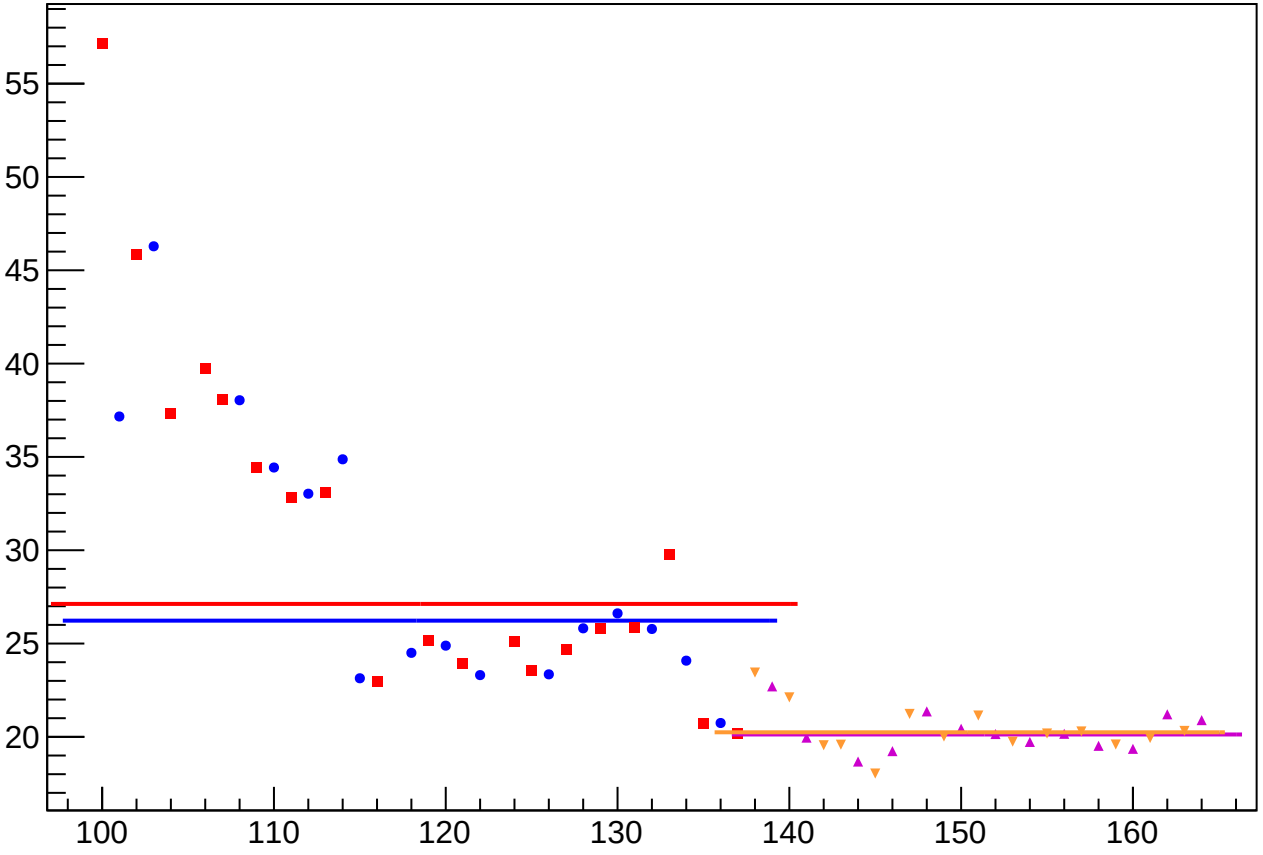
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.698+/-3.691 χ^2/NDF: 68.7/61

- 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: 20.245+/-0.004 χ^2/NDF:78025.8/13

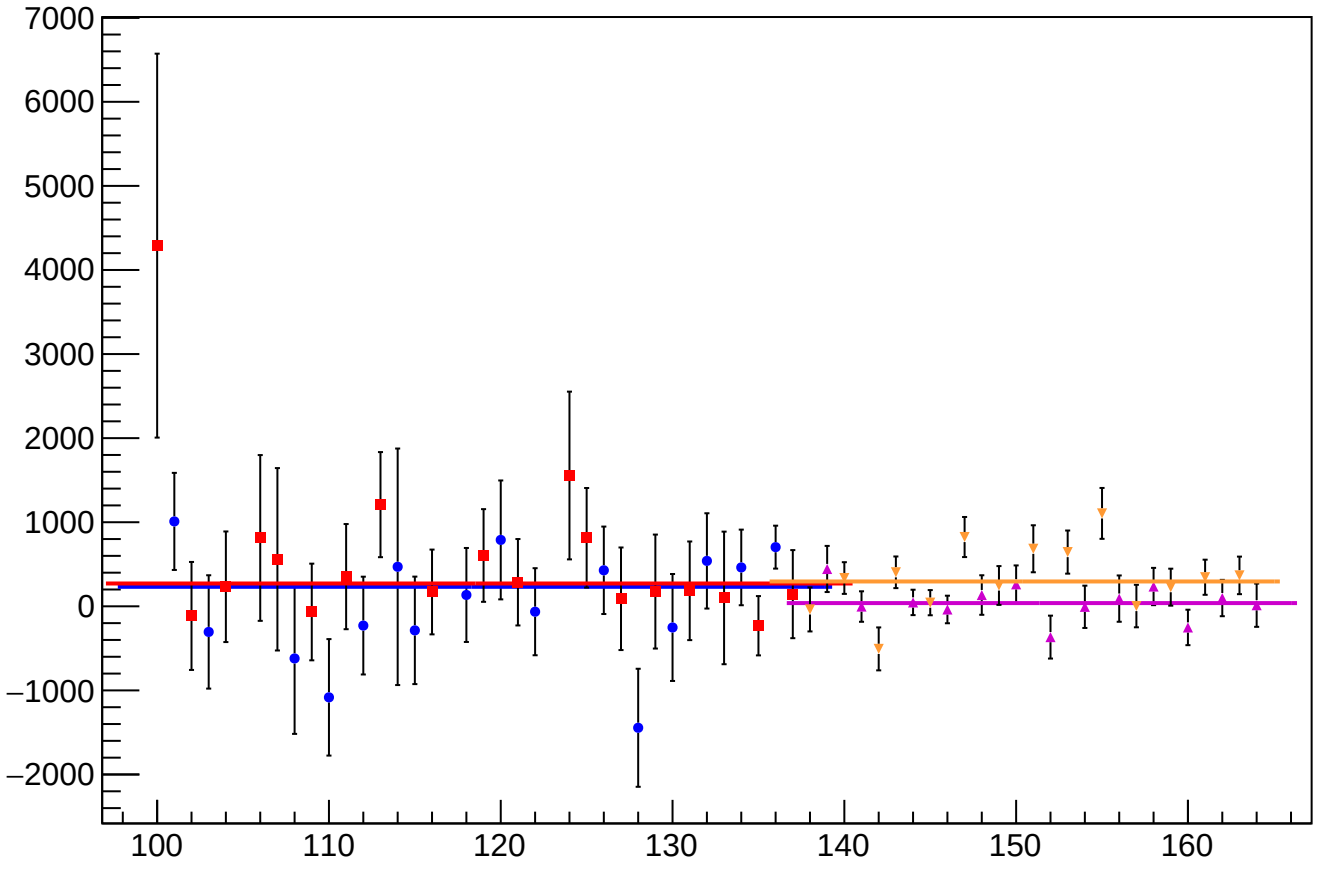
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.845+/-0.004 χ^2/NDF: 1273398.5/29

All: 21.898+/-0.003 χ^2/NDF: 2758724.5/61

- 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: 295.522+/-59.188 χ^2/NDF:32.2/13

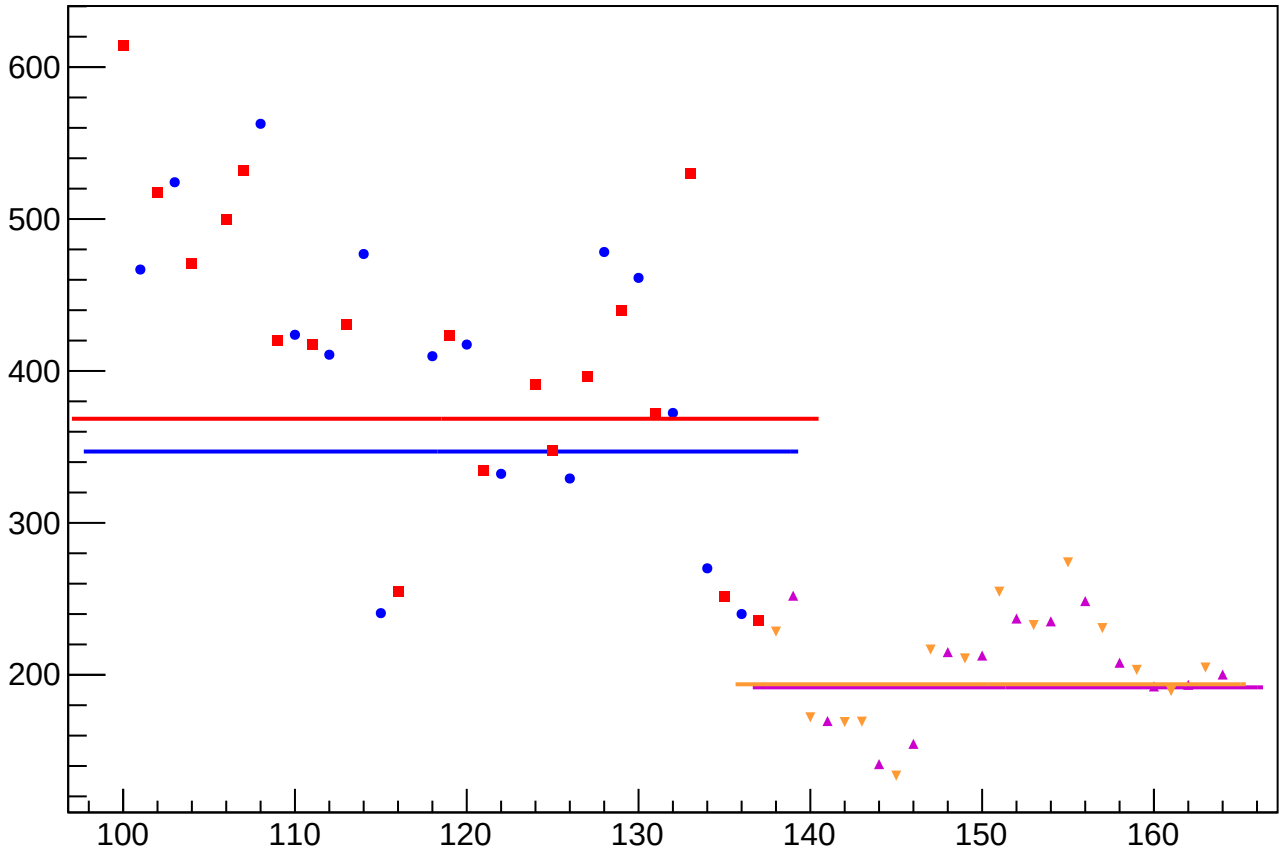
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 285.278+/-54.198 χ^2/NDF: 52.0/29

All: 179.889+/-38.412 χ^2/NDF: 82.5/61

- 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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

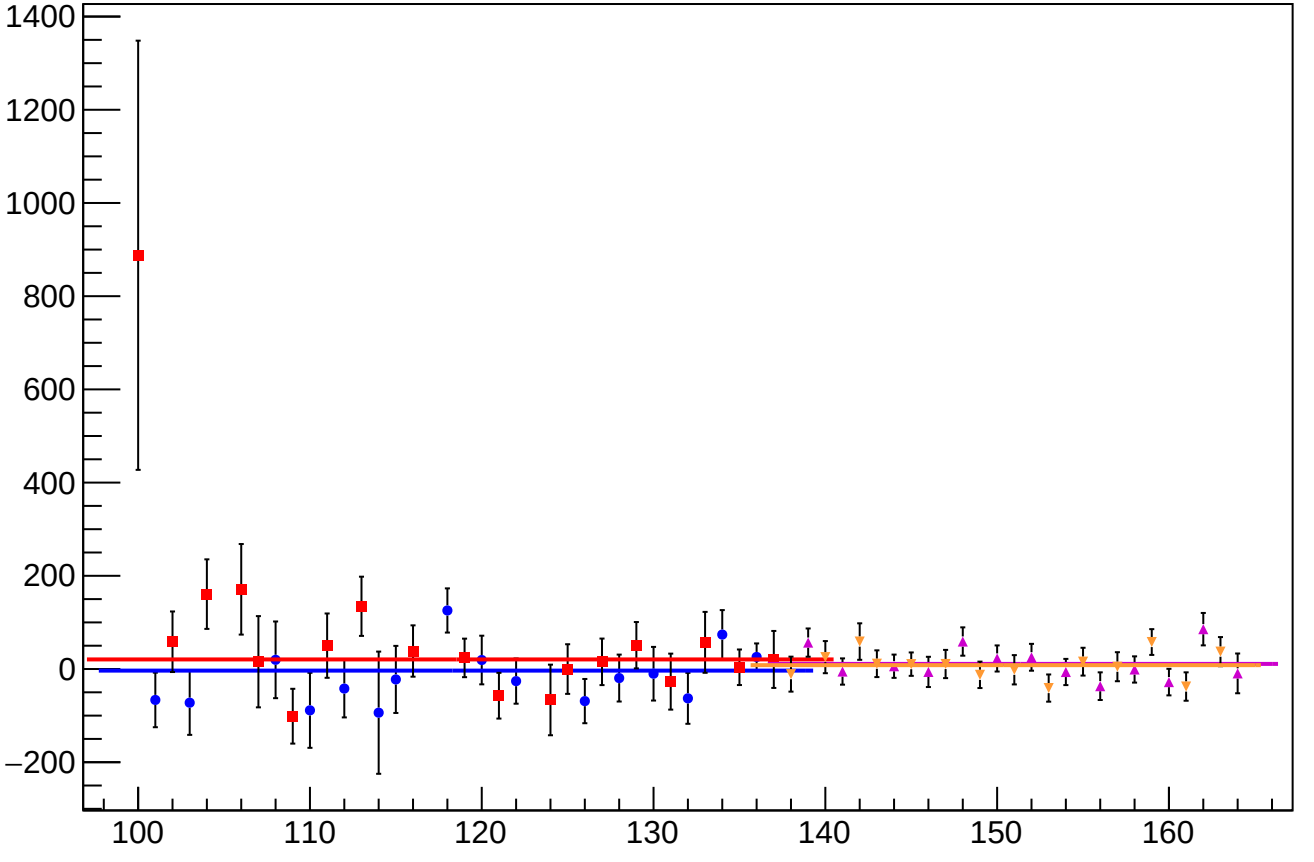
Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

+ sign 218.516+/-0.038 χ^2/NDF: 4021995.7/29

All: 218.474+/-0.027 χ^2/NDF: 8333898.2/61

- 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: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

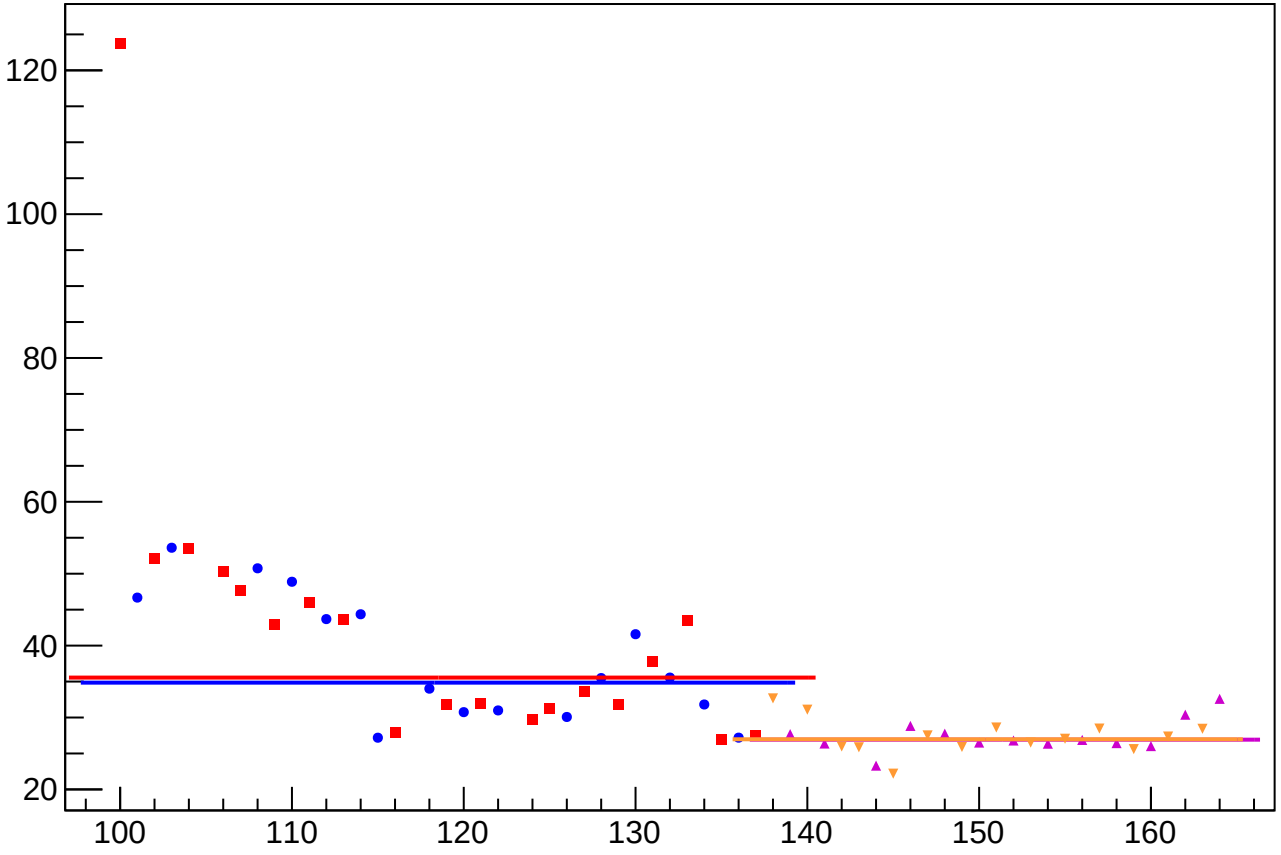
Left In: 10.958+/-8.239 χ^2/NDF:15.7/12

+ sign 5.121+/-6.956 χ^2/NDF: 31.1/29

All: 9.303+/-4.944 χ^2/NDF: 71.1/61

- 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: 26.974+/-0.006 χ^2/NDF:174905.4/13

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

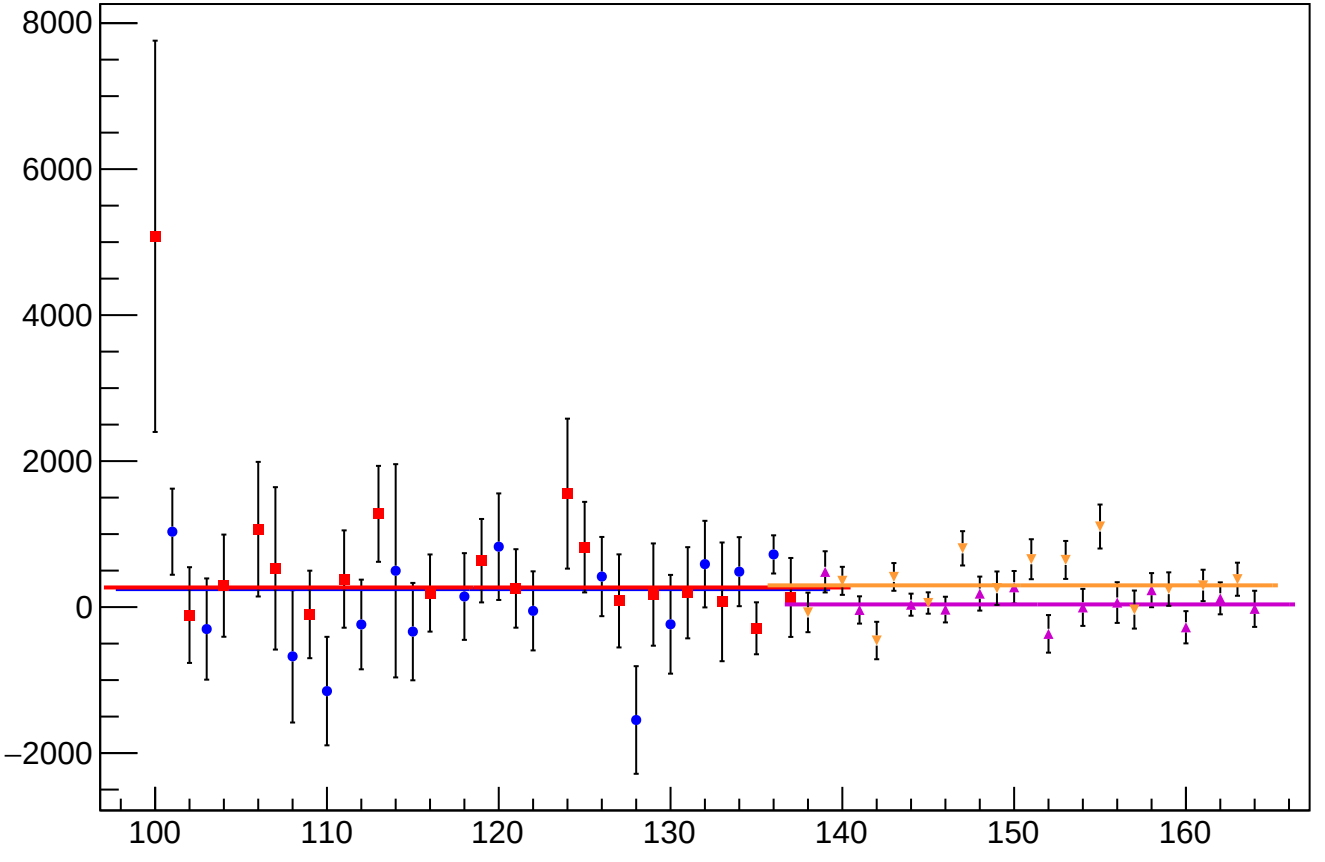
Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

+ sign 29.099+/-0.005 χ^2/NDF: 1338182.2/29

All: 29.183+/-0.003 χ^2/NDF: 2827763.9/61

- 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: 297.925+/-59.610 χ^2/NDF:30.9/13

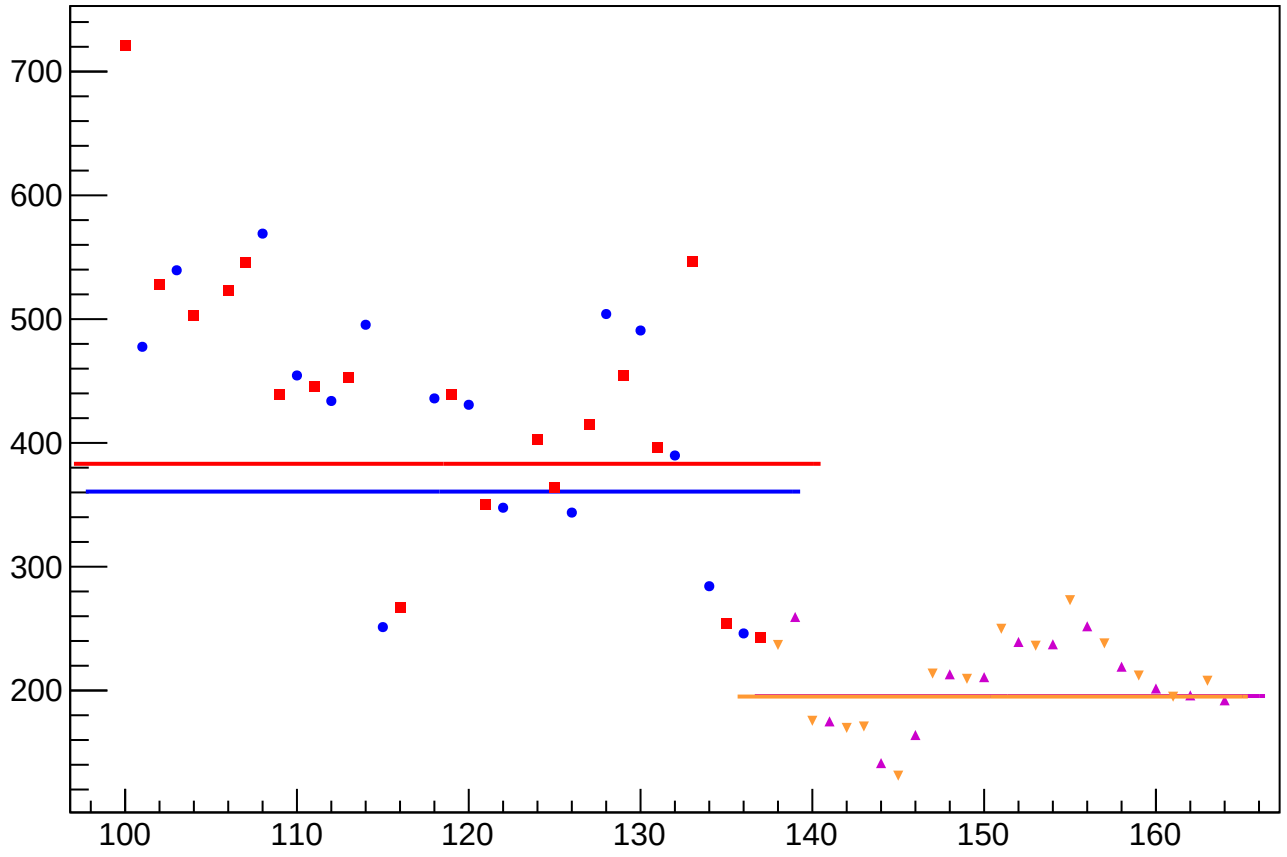
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 36.663+/-60.255 χ^2/NDF:9.7/12

+ sign 290.060+/-54.862 χ^2/NDF: 50.8/29

All: 181.984+/-39.072 χ^2/NDF: 83.2/61

- 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: 195.103+/-0.042 χ^2/NDF:856660.4/13

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

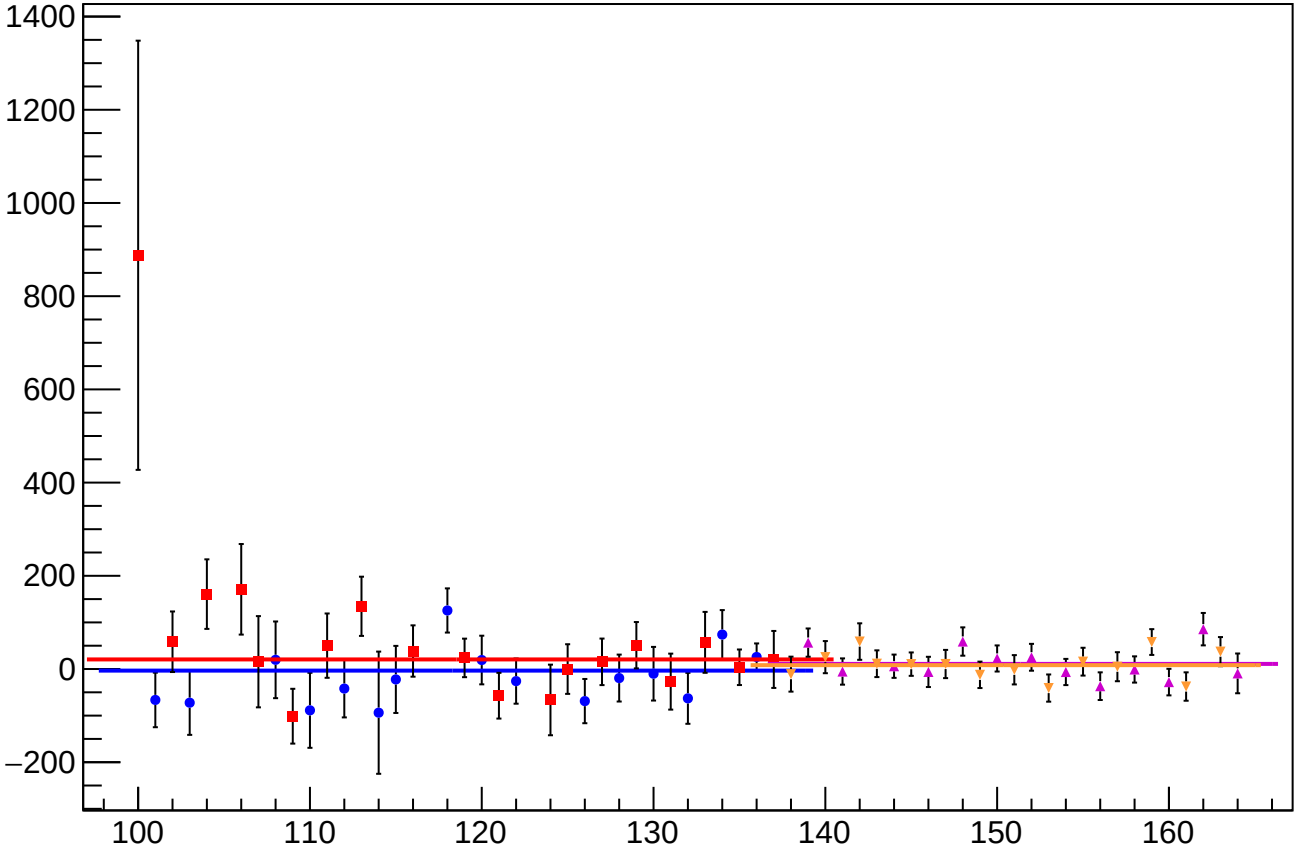
Left In: 195.542+/-0.043 χ^2/NDF:684738.2/12

+ sign 220.431+/-0.039 χ^2/NDF: 4310116.8/29

All: 221.732+/-0.028 χ^2/NDF: 8804867.6/61

- 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: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

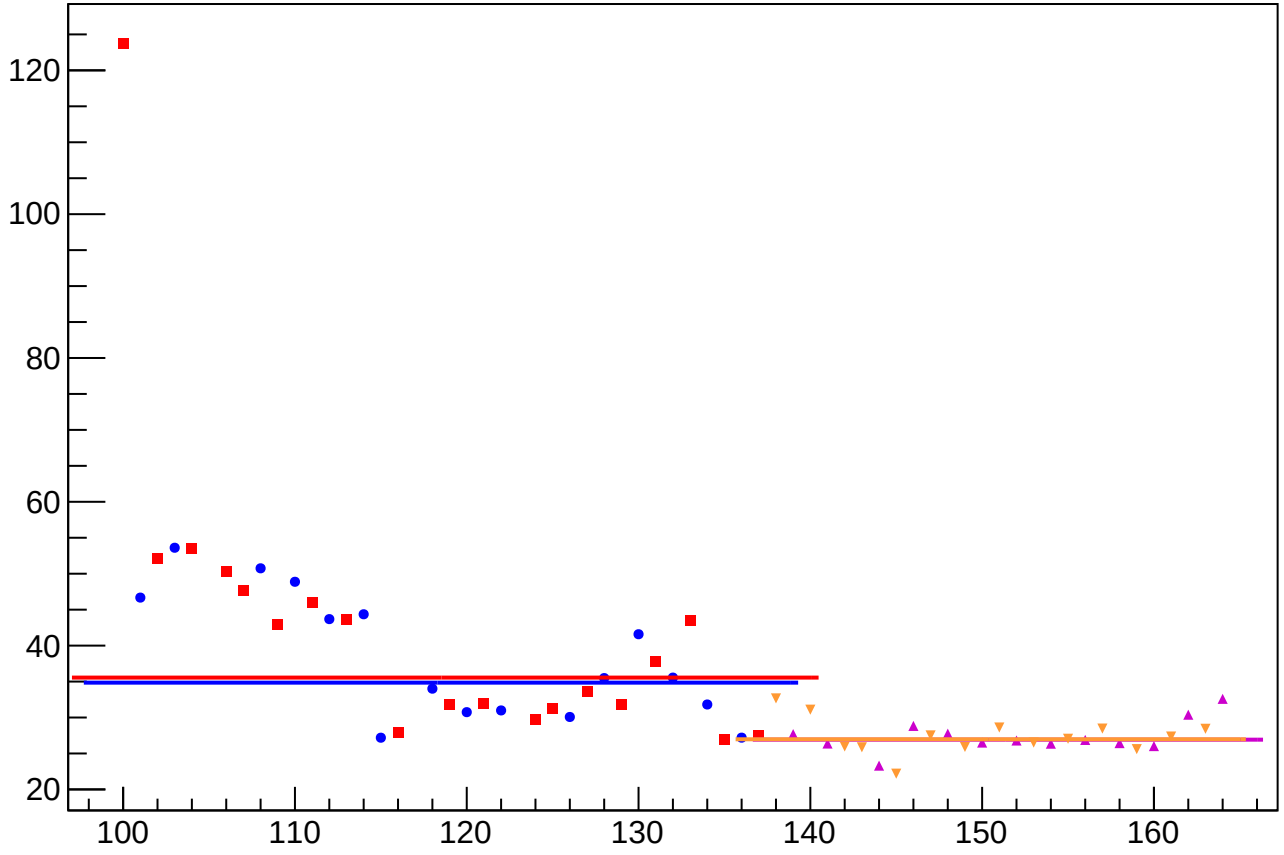
Left In: 10.958+/-8.239 χ^2/NDF:15.7/12

+ sign 5.120+/-6.956 χ^2/NDF: 31.1/29

All: 9.303+/-4.944 χ^2/NDF: 71.1/61

- 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: 26.974+/-0.006 χ^2/NDF:174894.6/13

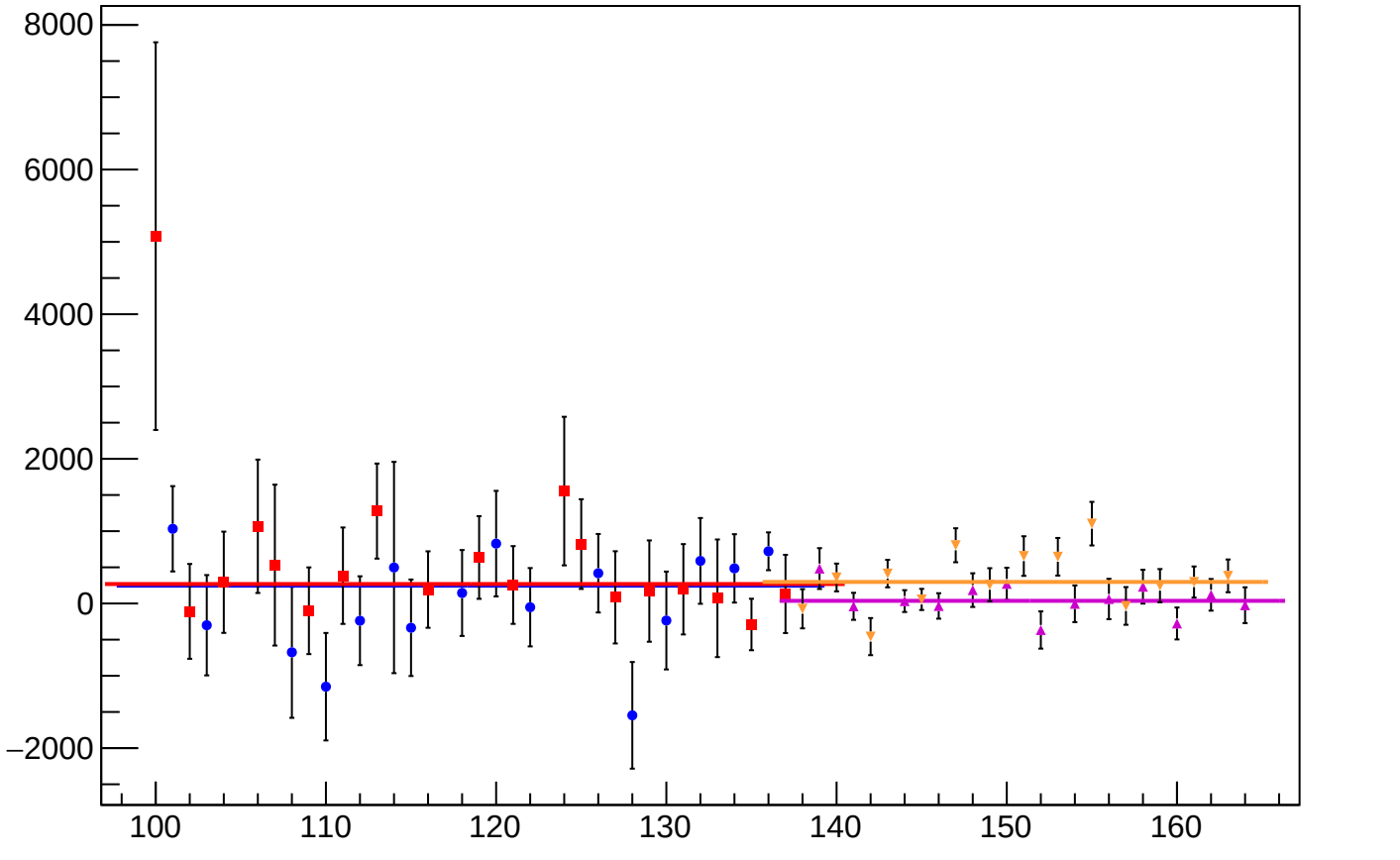
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

+ sign 29.099+/-0.005 χ^2/NDF: 1338054.8/29

All: 29.183+/-0.003 χ^2/NDF: 2827553.3/61

- 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: 297.924+/-59.609 χ^2/NDF:30.9/13

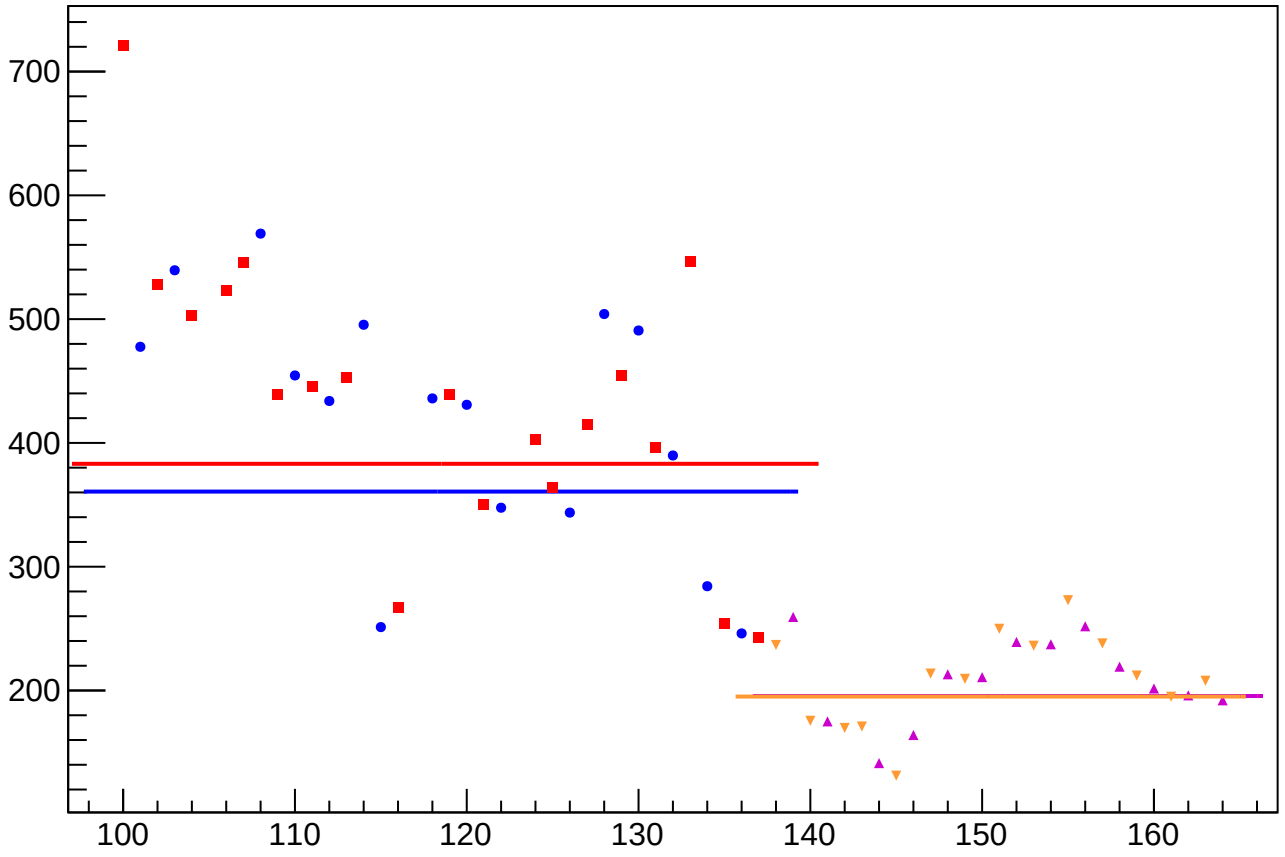
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 36.662+/-60.255 χ^2/NDF:9.7/12

+ sign 290.059+/-54.861 χ^2/NDF: 50.8/29

All: 181.983+/-39.072 χ^2/NDF: 83.2/61

- 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: 195.102+/-0.042 χ^2/NDF:856679.7/13

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

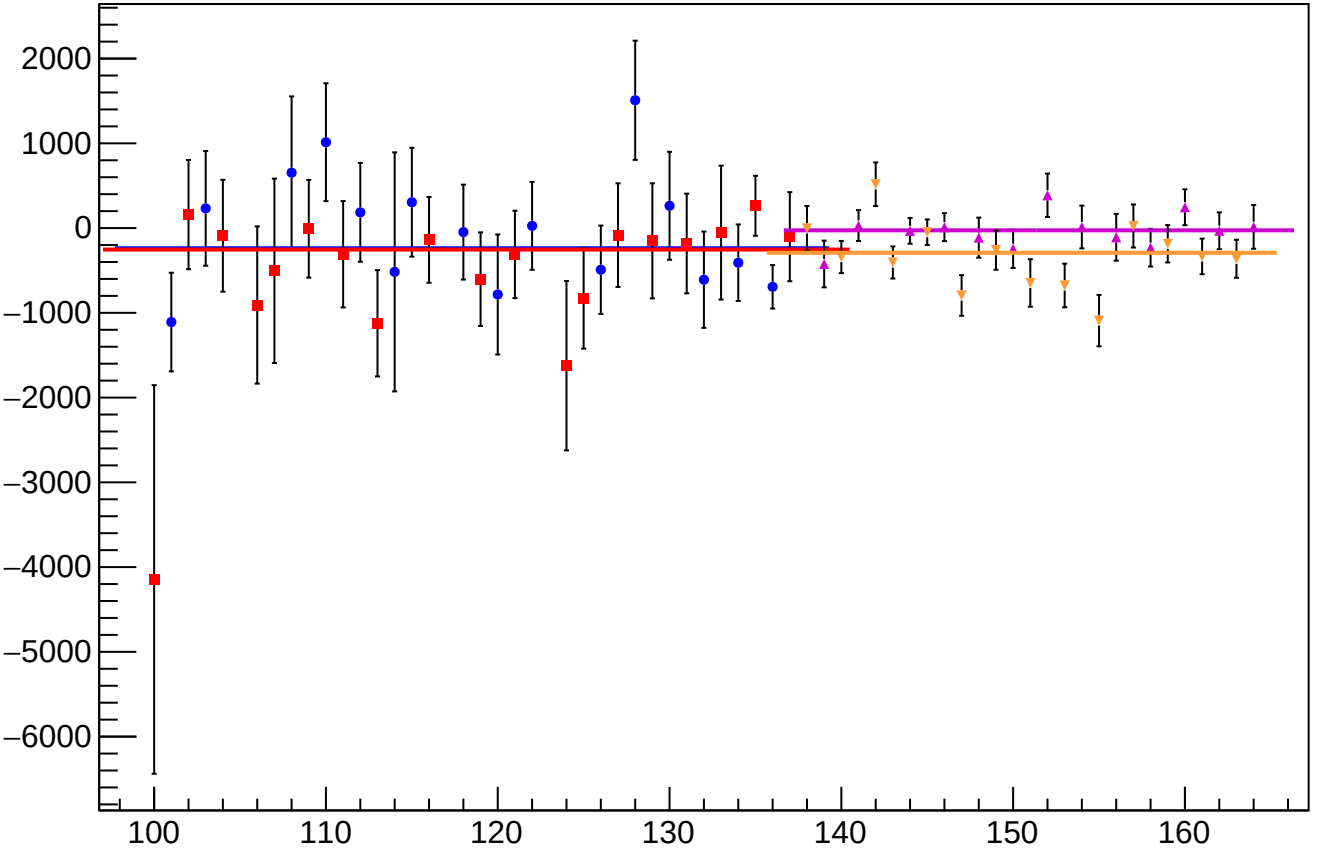
Left In: 195.542+/-0.043 χ^2/NDF:684742.1/12

+ sign 220.431+/-0.039 χ^2/NDF: 4310130.6/29

All: 221.731+/-0.028 χ^2/NDF: 8804878.2/61

- 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: -291.740+/-59.543 χ^2/NDF:31.3/13

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

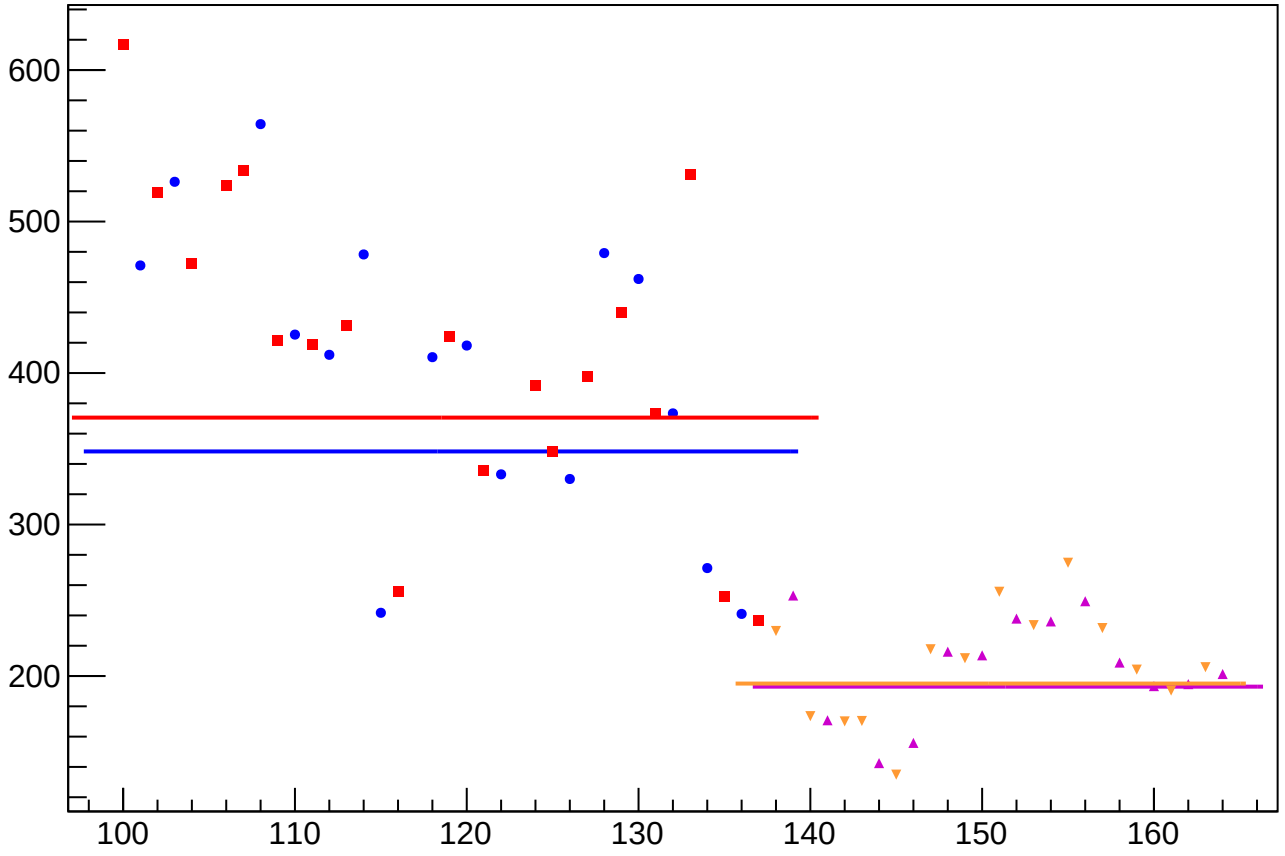
Left In: -26.486+/-59.445 χ^2/NDF:8.5/12

+ sign -283.033+/-54.502 χ^2/NDF: 51.4/29

All: -172.494+/-38.623 χ^2/NDF: 82.1/61

- 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: 195.023+/-0.042 χ^2/NDF:784845.8/13

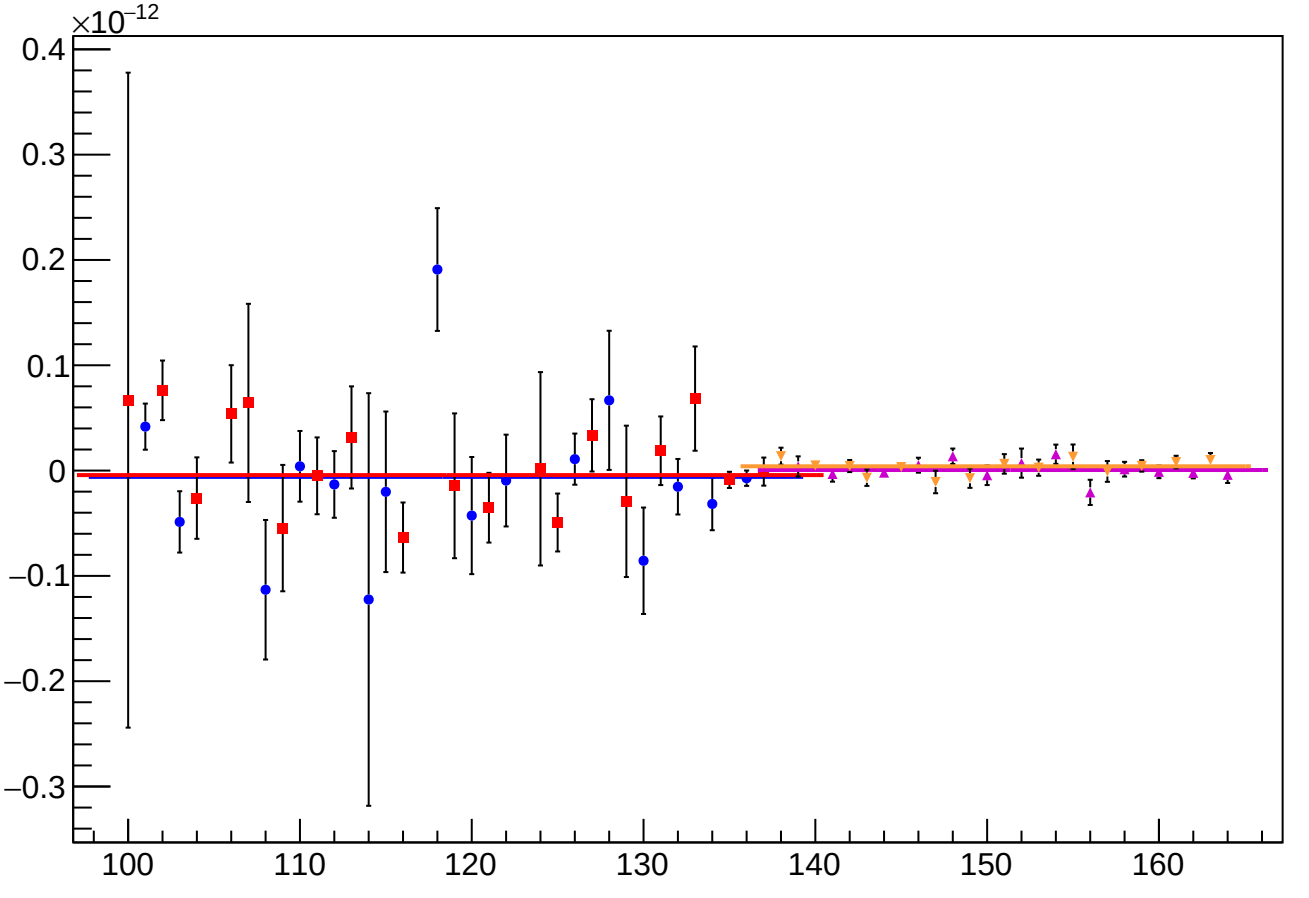
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.990+/-0.042 χ^2/NDF:696601.5/12

+ sign 219.869+/-0.039 χ^2/NDF: 3989358.9/29

All: 219.926+/-0.027 χ^2/NDF: 8317015.3/61

- 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:9.1/13

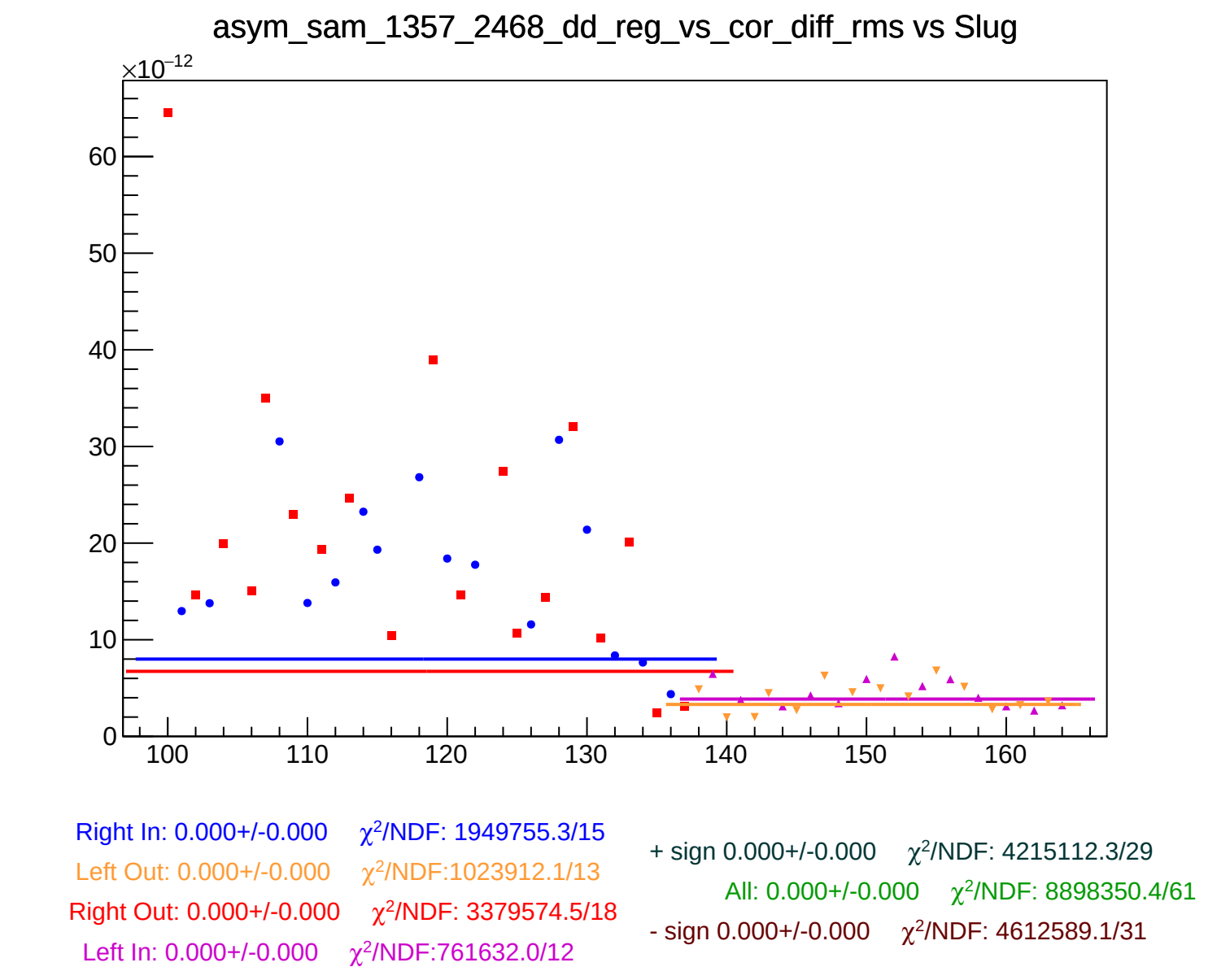
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

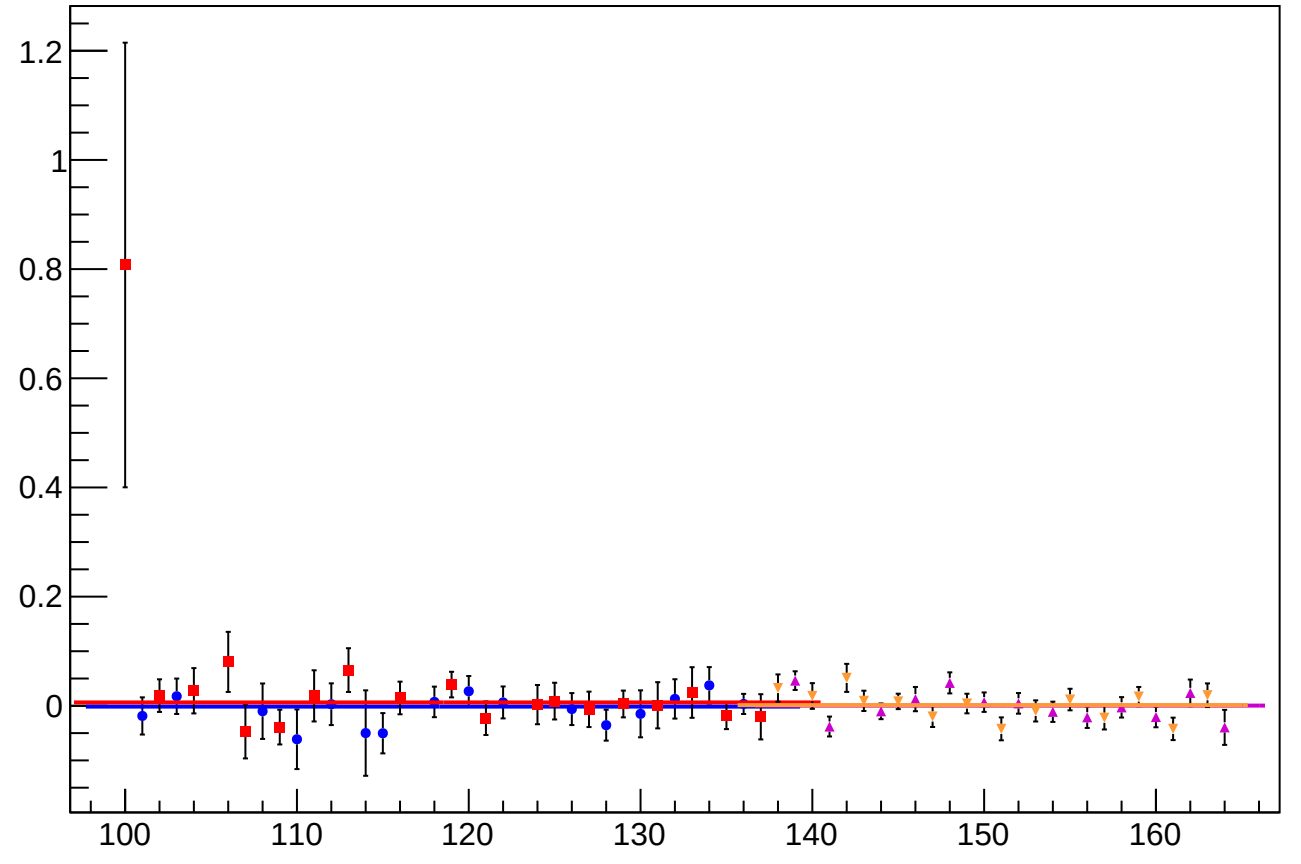
Left In: 0.000+/-0.000 χ^2/NDF:11.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/29

All: 0.000+/-0.000 χ^2/NDF: 75.8/61

- 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:1023912.1/13
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: 4215112.3/29
All: 0.000+/-0.000 χ²/NDF: 8898350.4/61
- sign 0.000+/-0.000 χ²/NDF: 4612589.1/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

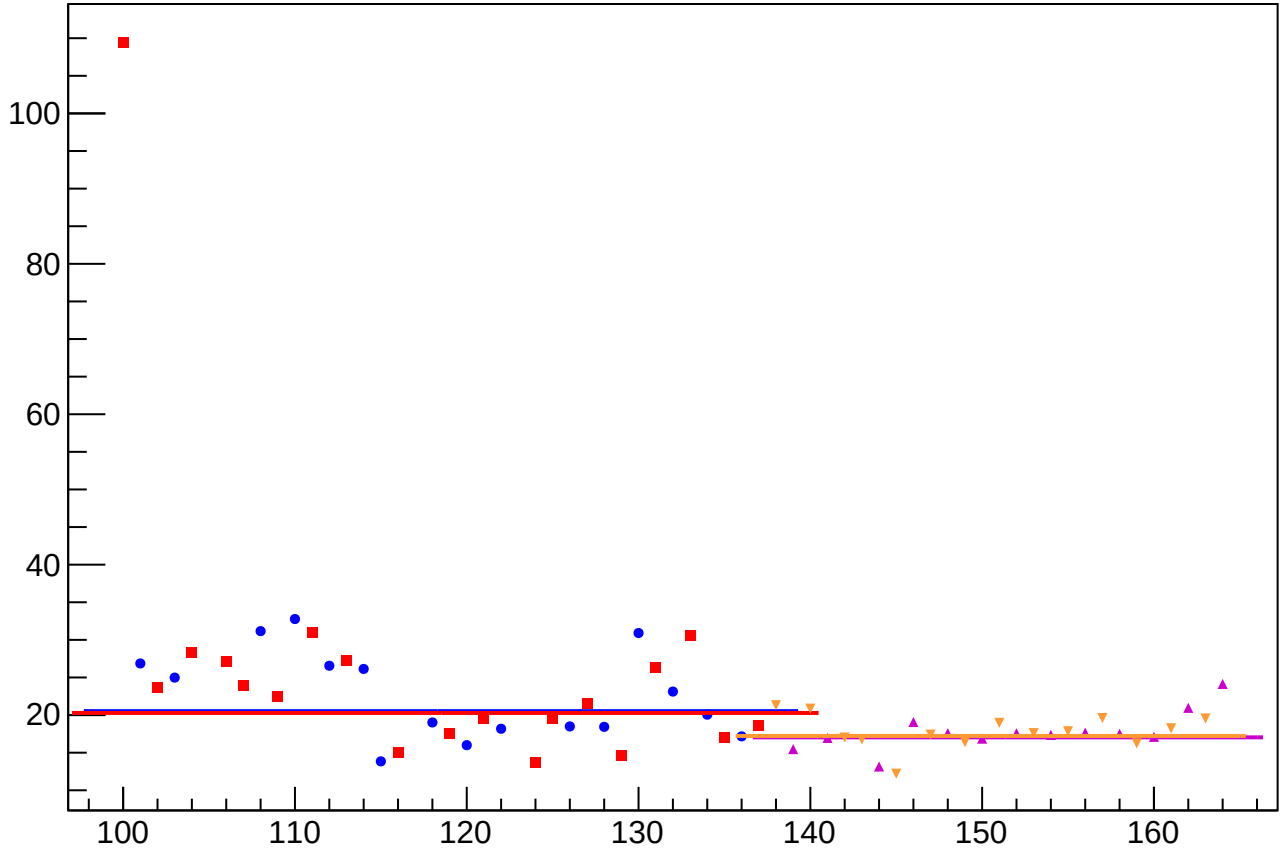
Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.001+/-0.003 χ^2/NDF: 67.0/61

- 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: 17.225+/-0.004 χ^2/NDF:434235.5/13

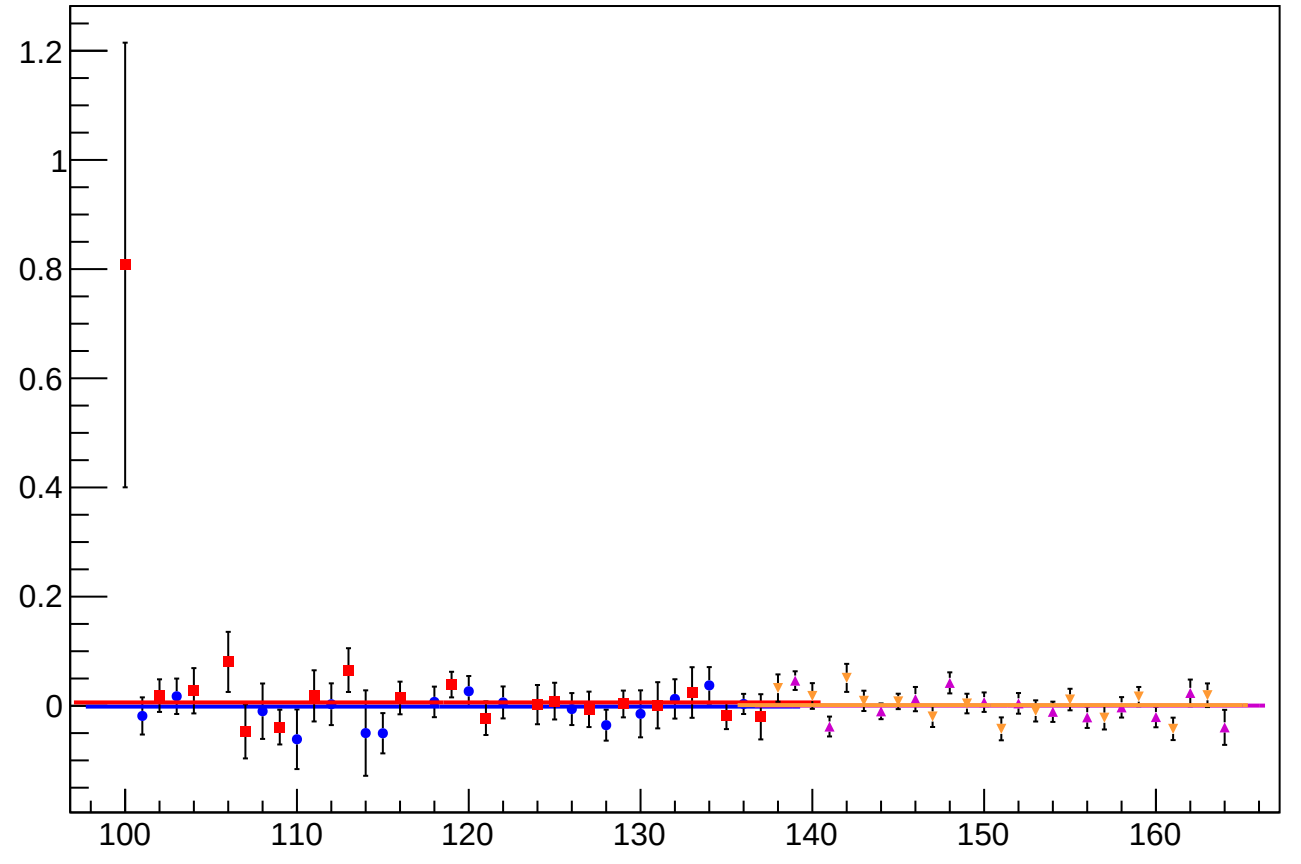
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

+ sign 18.212+/-0.003 χ^2/NDF: 1374664.3/29

All: 18.128+/-0.002 χ^2/NDF: 2809223.9/61

- sign 18.044+/-0.003 χ^2/NDF: 1433109.5/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

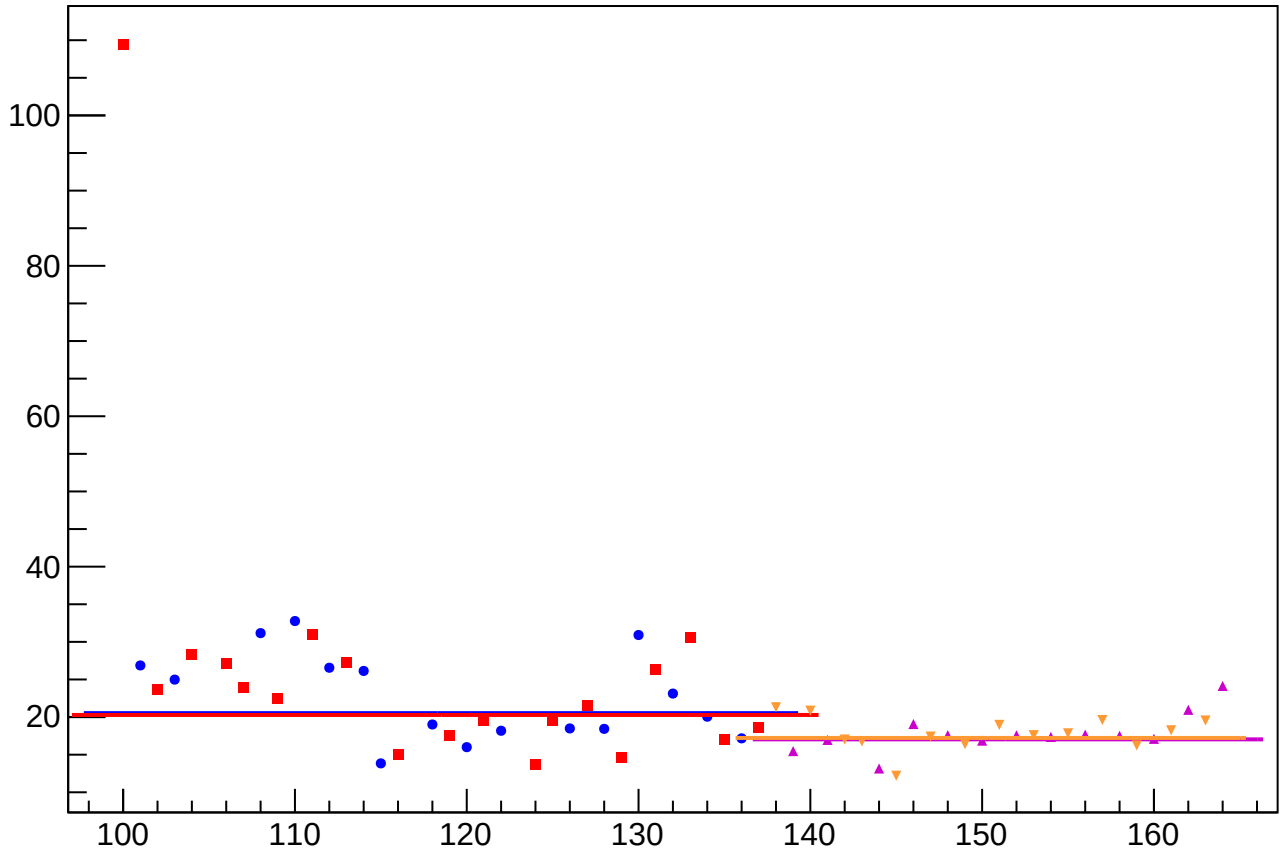
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.001+/-0.003 χ^2/NDF: 67.0/61

- 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: 17.225+/-0.004 χ^2/NDF:434235.5/13

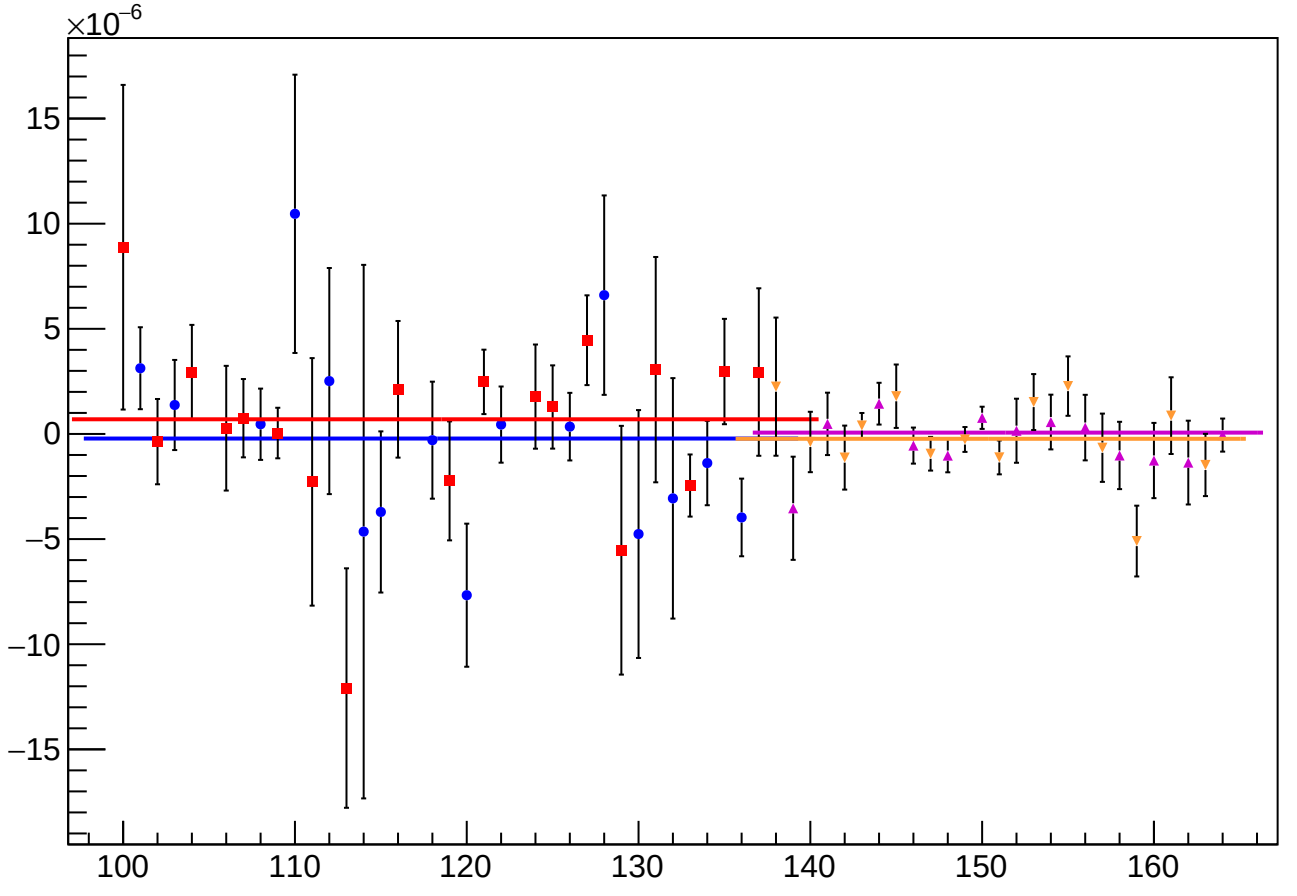
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

+ sign 18.212+/-0.003 χ^2/NDF: 1374664.3/29

All: 18.128+/-0.002 χ^2/NDF: 2809223.9/61

- 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:20.2/13

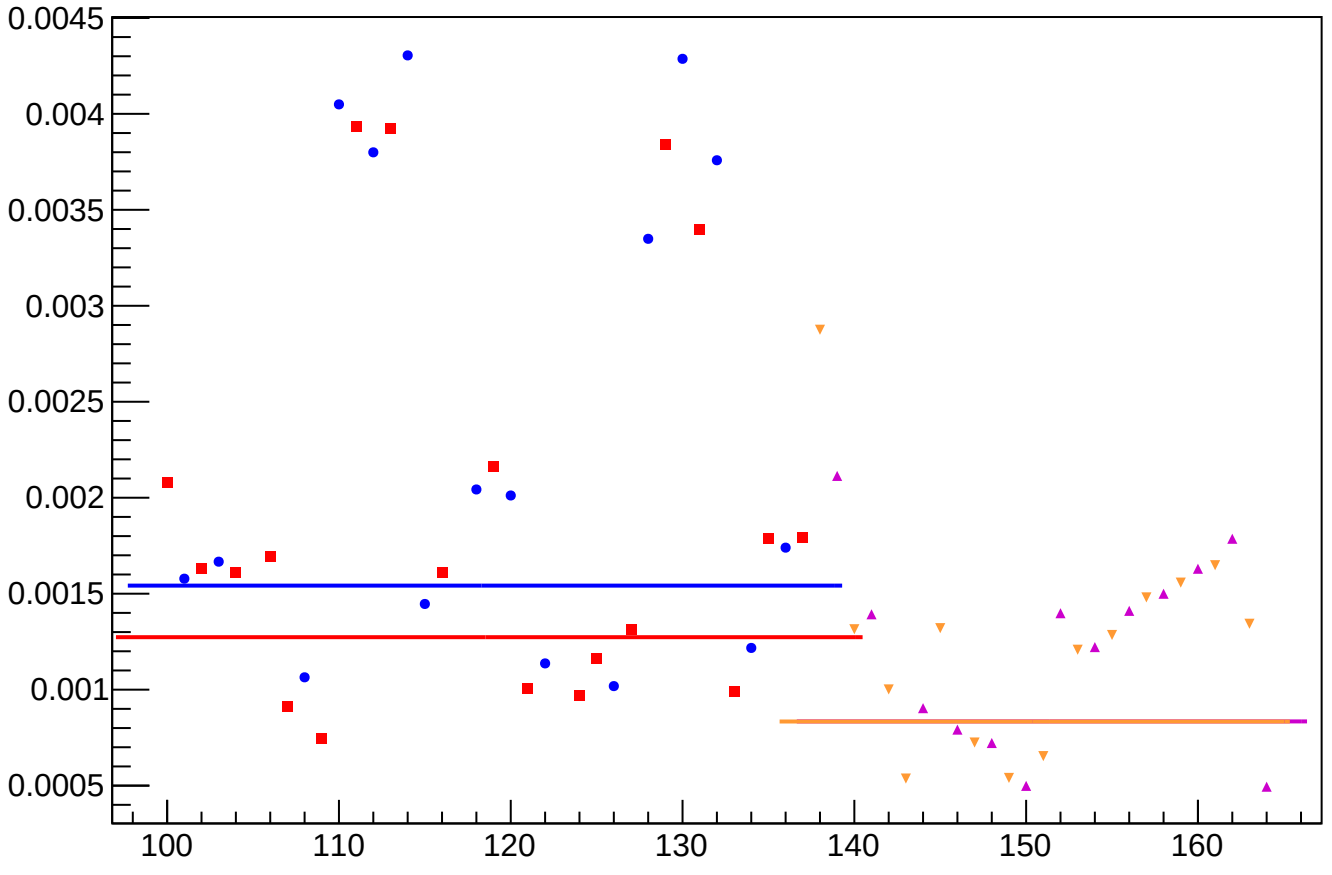
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: -0.000+/-0.000 χ^2/NDF: 73.8/61

- sign 0.000+/-0.000 χ^2/NDF: 32.2/31



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4039086.1/13

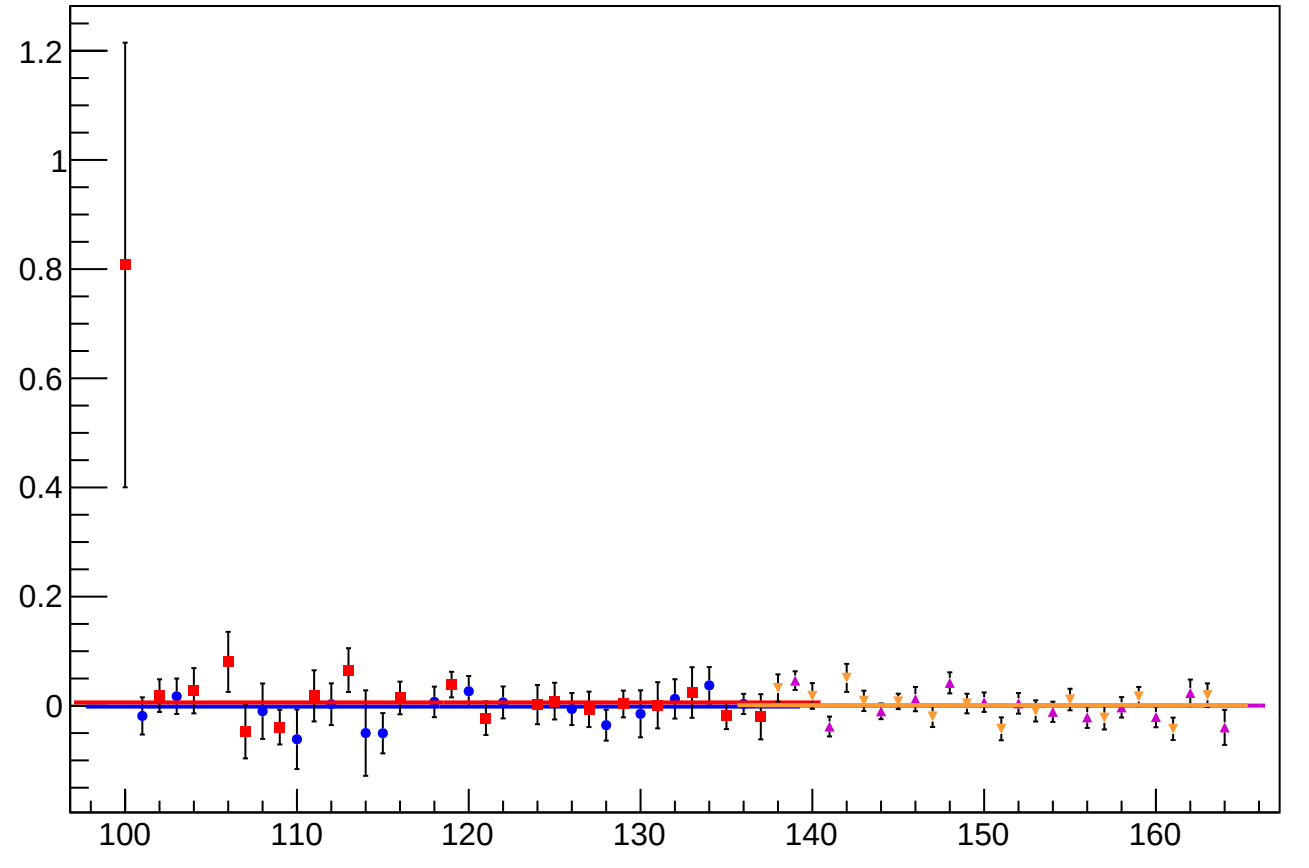
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3986514.4/12

+ sign 0.001+/-0.000 χ^2/NDF: 8561242.3/29

All: 0.001+/-0.000 χ^2/NDF: 16297676.0/61

- sign 0.001+/-0.000 χ^2/NDF: 7732949.2/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

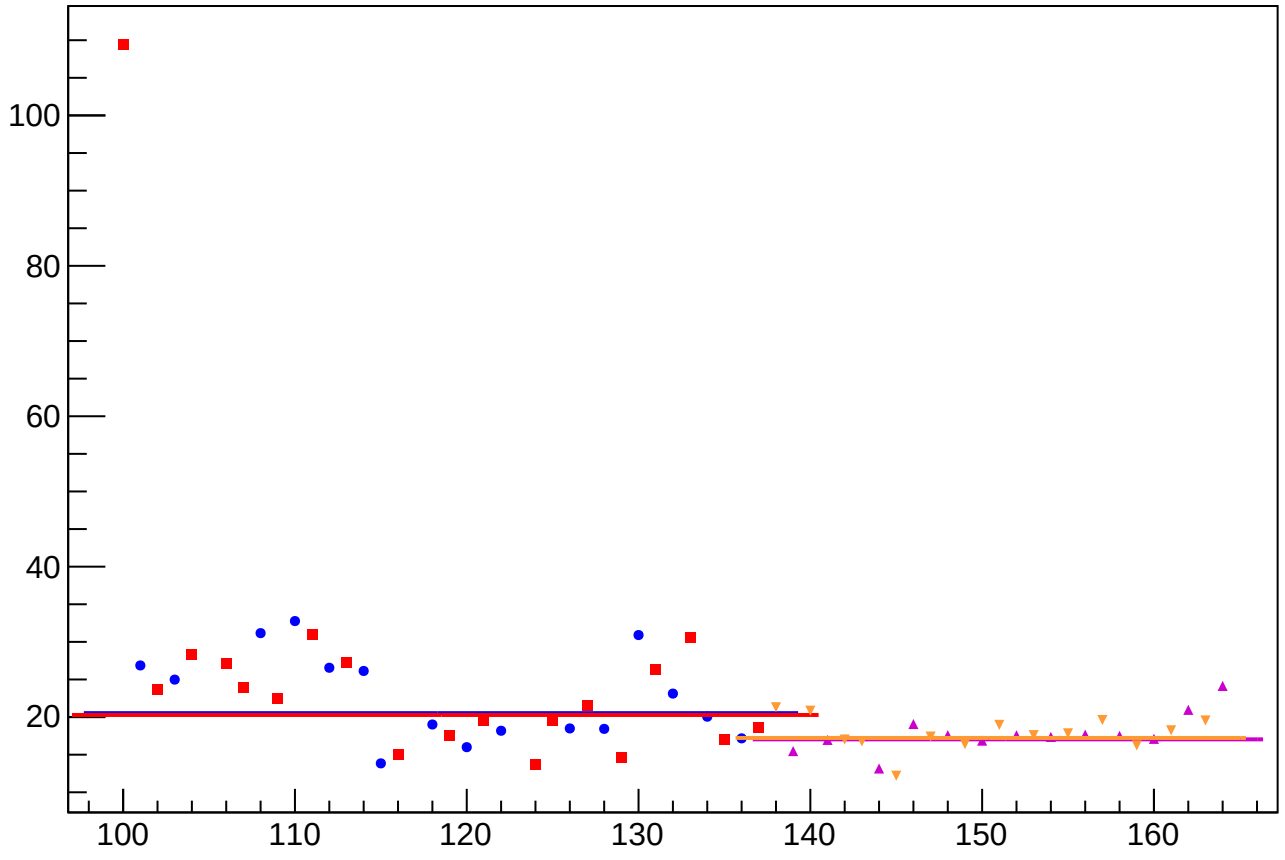
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.001+/-0.003 χ^2/NDF: 67.0/61

- 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: 17.225+/-0.004 χ^2/NDF:434187.5/13

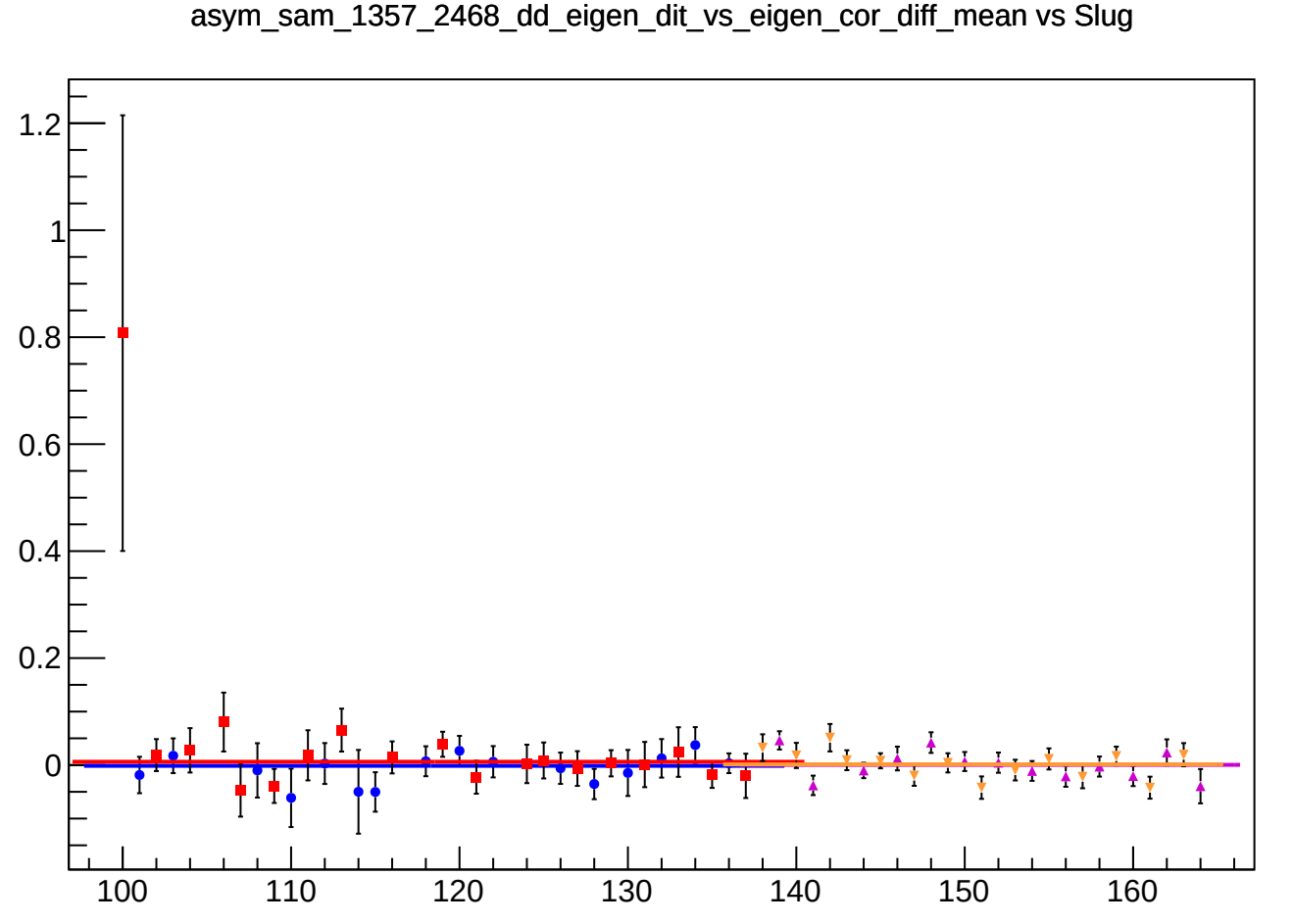
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

+ sign 18.212+/-0.003 χ^2/NDF: 1374393.6/29

All: 18.128+/-0.002 χ^2/NDF: 2808889.0/61

- 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: 0.001+/-0.005 χ^2/NDF:19.4/13

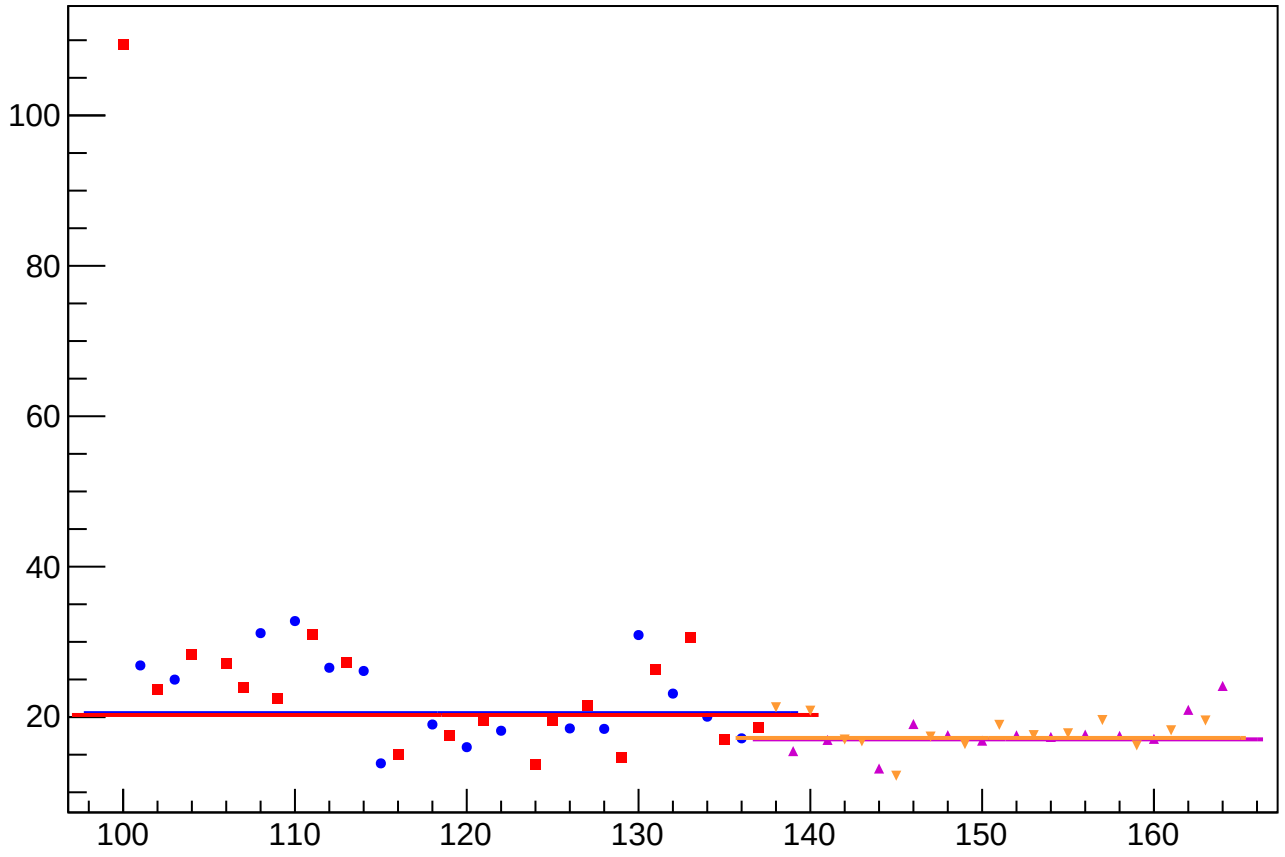
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.001+/-0.003 χ^2/NDF: 67.0/61

- 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: 17.225+/-0.004 χ^2/NDF:434187.5/13

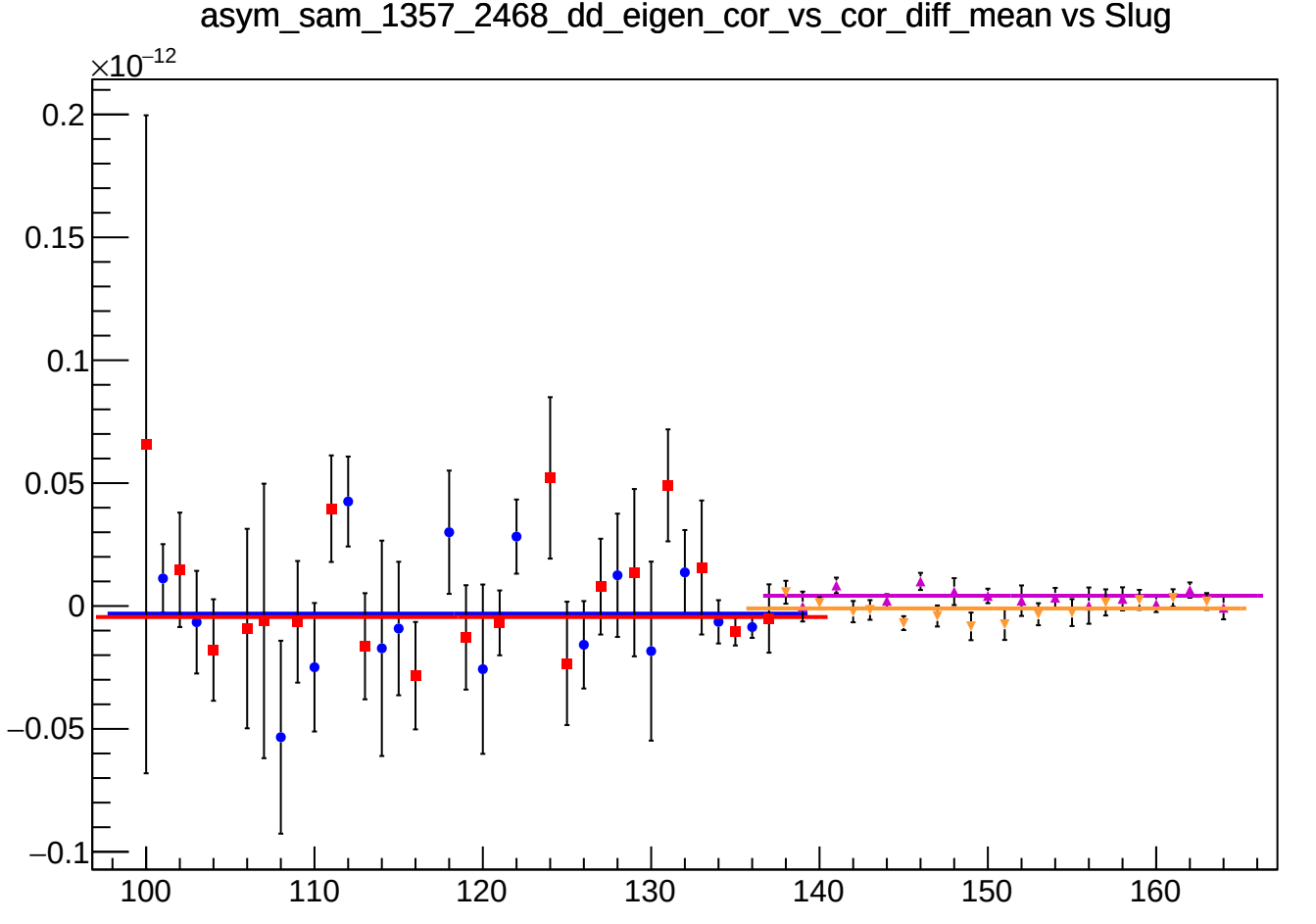
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

+ sign 18.212+/-0.003 χ^2/NDF: 1374393.6/29

All: 18.128+/-0.002 χ^2/NDF: 2808889.0/61

- 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:14.2/13

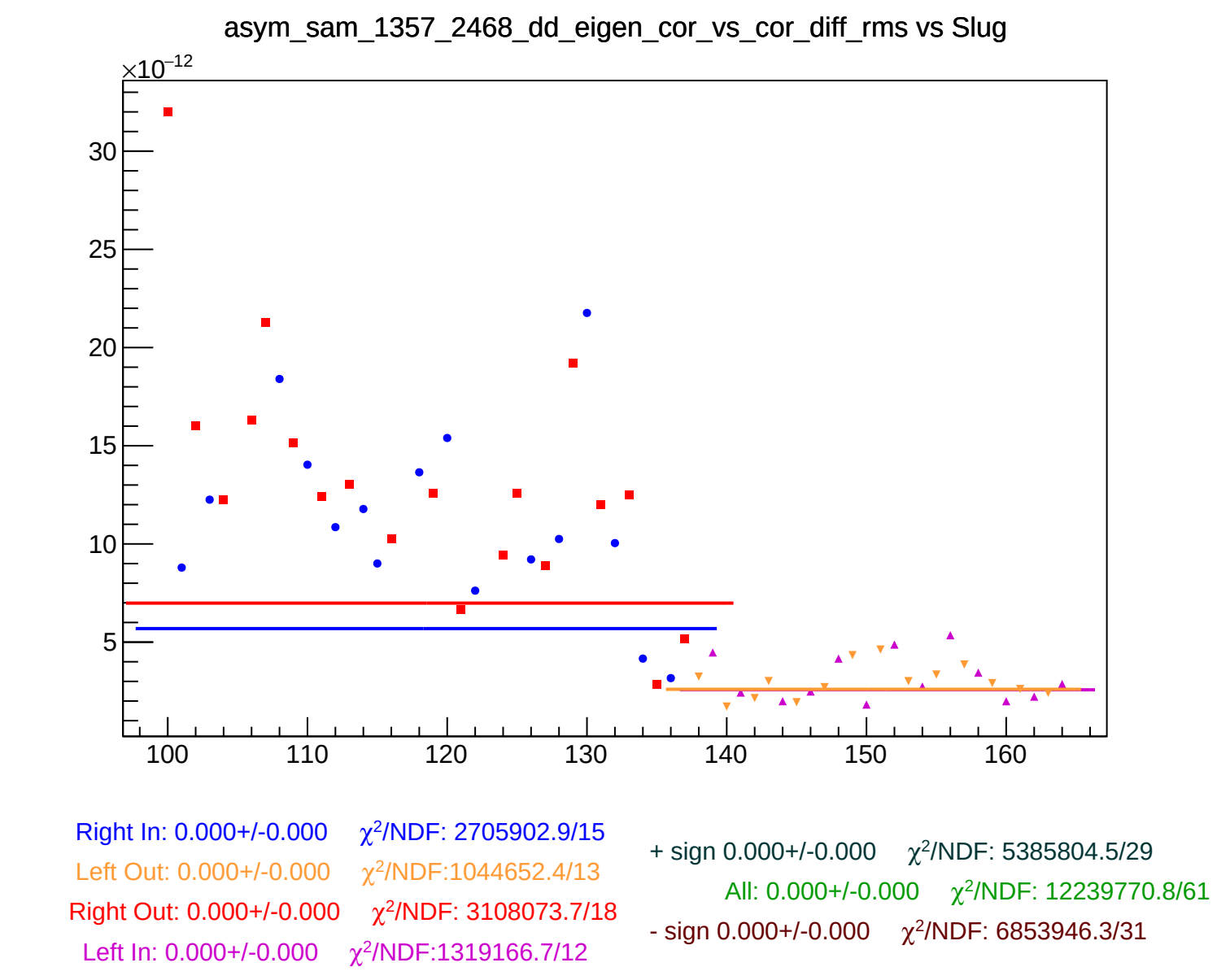
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

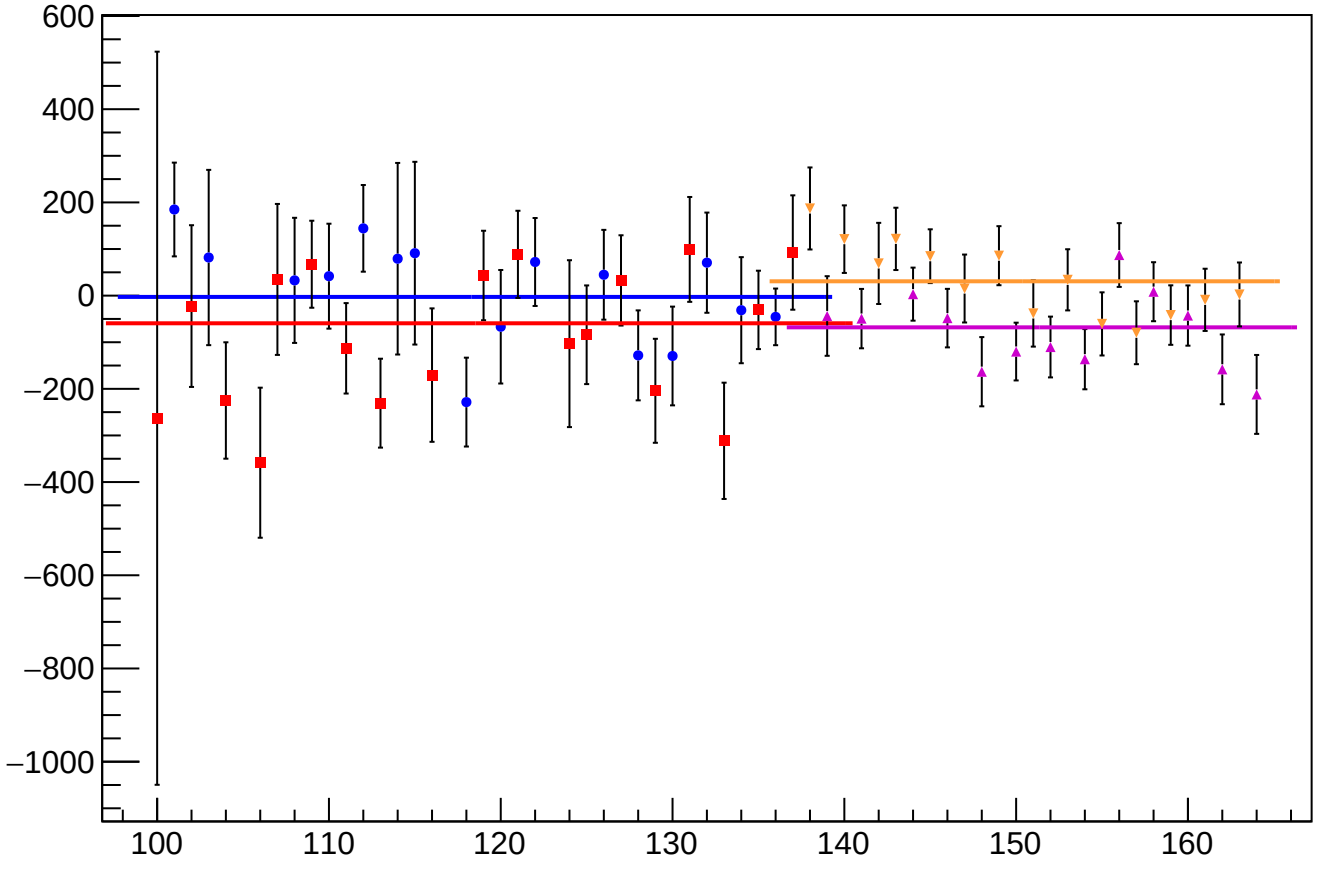
+ sign -0.000+/-0.000 χ^2/NDF: 34.5/29

All: 0.000+/-0.000 χ^2/NDF: 77.9/61

- 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:1044652.4/13
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: 5385804.5/29
All: 0.000+/-0.000 χ²/NDF: 12239770.8/61
- 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: 30.750+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

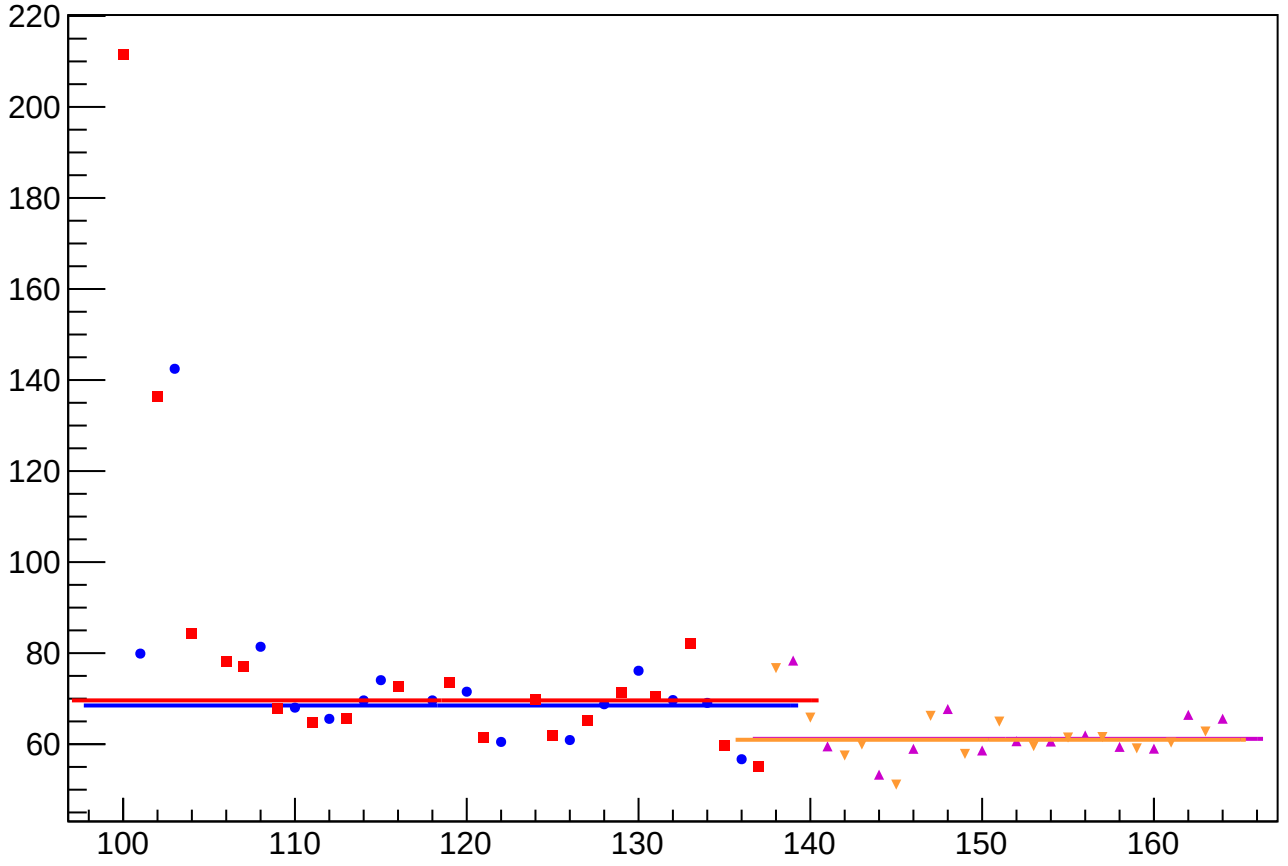
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.709+/-15.045 χ^2/NDF: 34.5/29

All: -22.247+/-10.698 χ^2/NDF: 92.8/61

- 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: 60.968+/-0.013 χ^2/NDF:160913.9/13

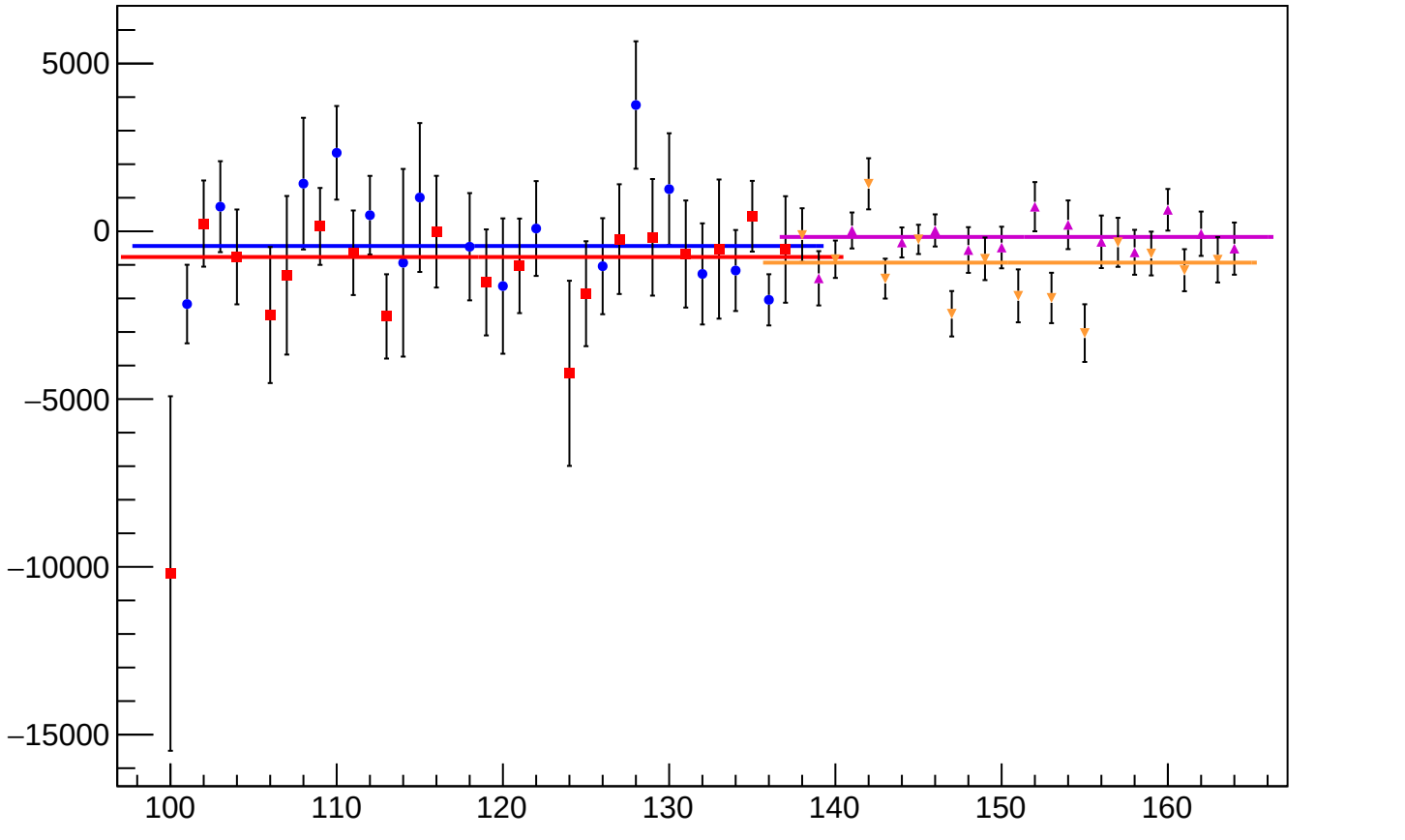
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

+ sign 63.449+/-0.011 χ^2/NDF: 743475.2/29

All: 63.712+/-0.008 χ^2/NDF: 1563802.8/61

- 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: -933.510+/-174.239 χ^2/NDF:29.4/13

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

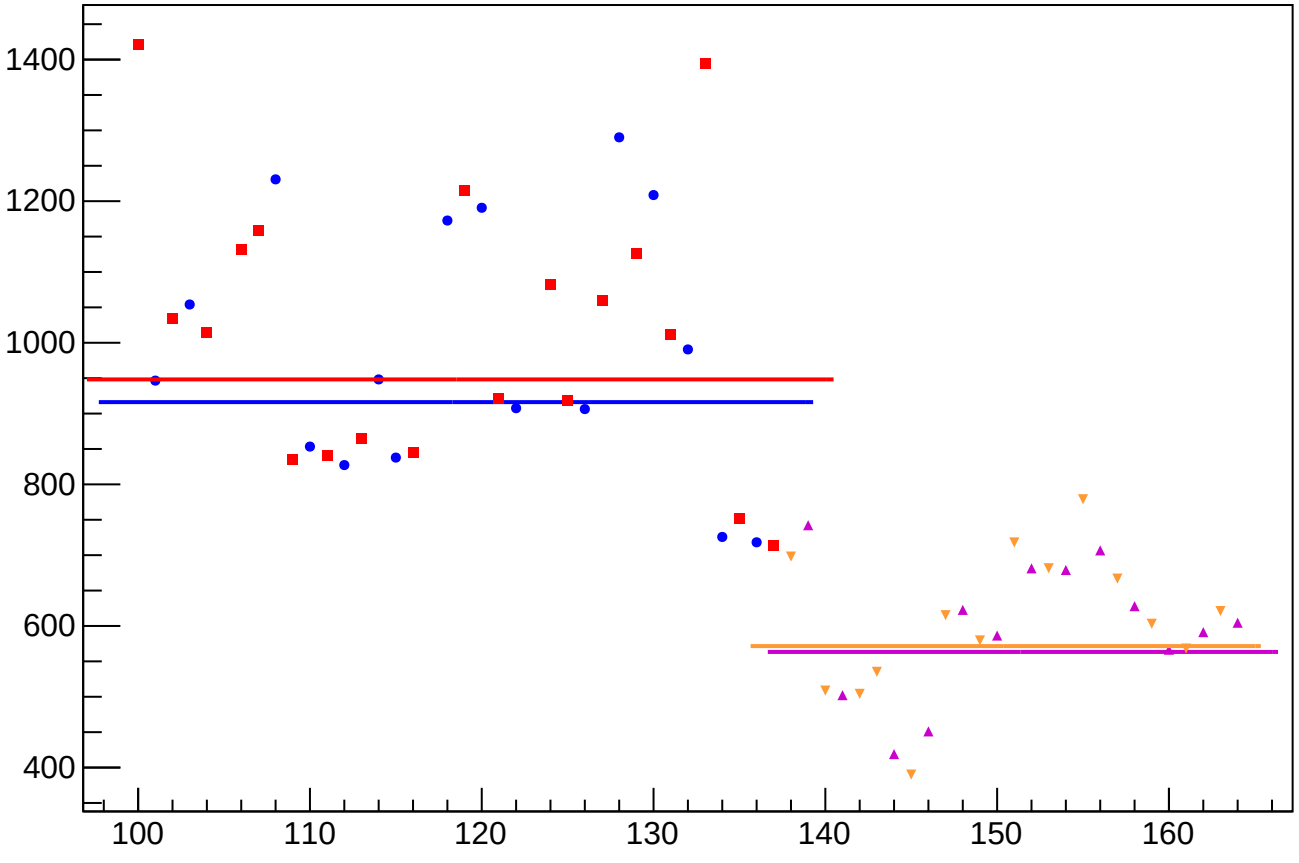
Left In: -167.436+/-173.374 χ^2/NDF:7.5/12

+ sign -834.479+/-155.880 χ^2/NDF: 51.5/29

All: -558.587+/-110.133 χ^2/NDF: 79.0/61

- sign -283.607+/-155.622 χ^2/NDF: 21.2/31

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 571.578+/-0.123 χ^2/NDF:730986.0/13

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

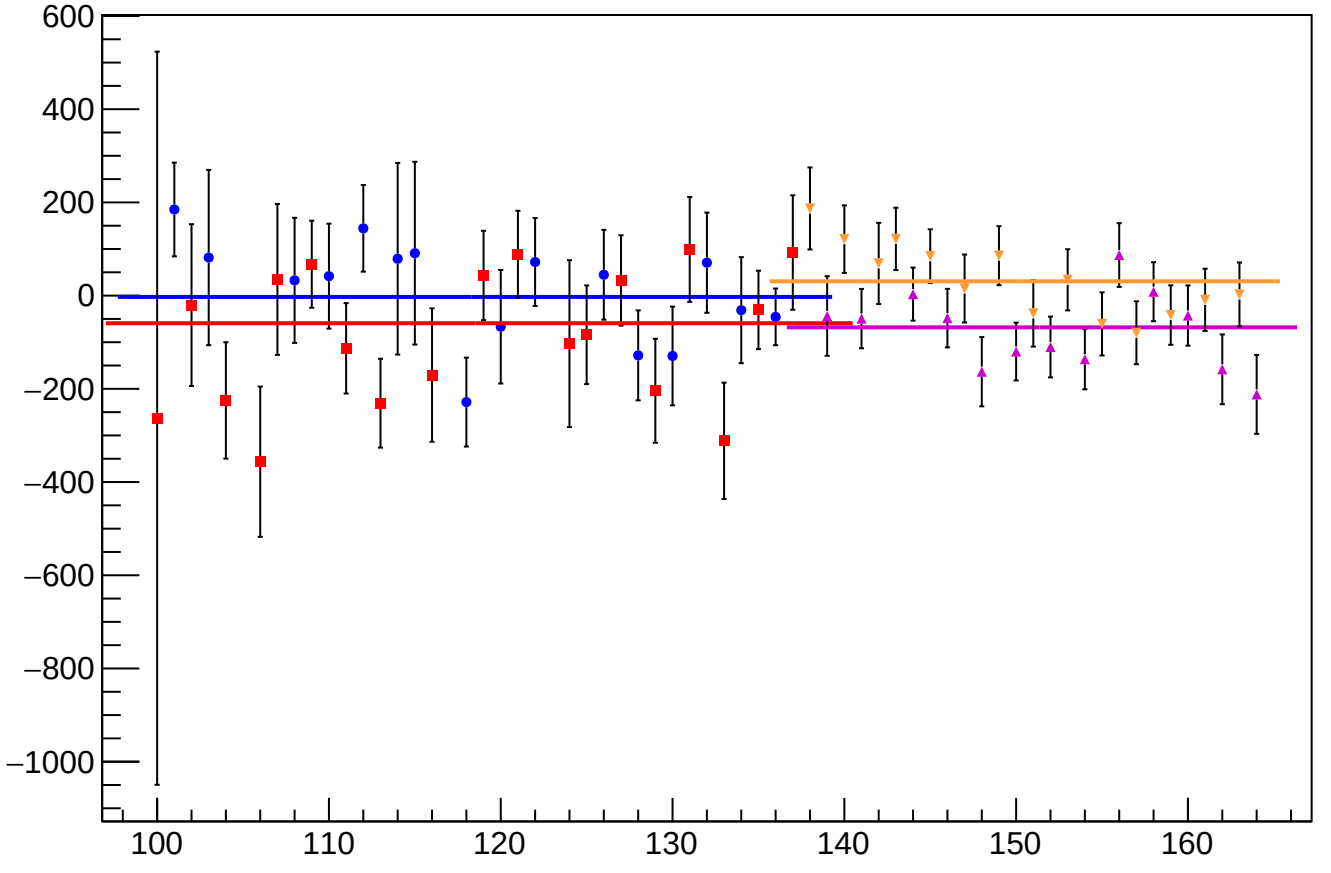
Left In: 563.315+/-0.123 χ^2/NDF:656890.5/12

+ sign 640.370+/-0.110 χ^2/NDF: 2801745.6/29

All: 639.235+/-0.078 χ^2/NDF: 5789484.0/61

- 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: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

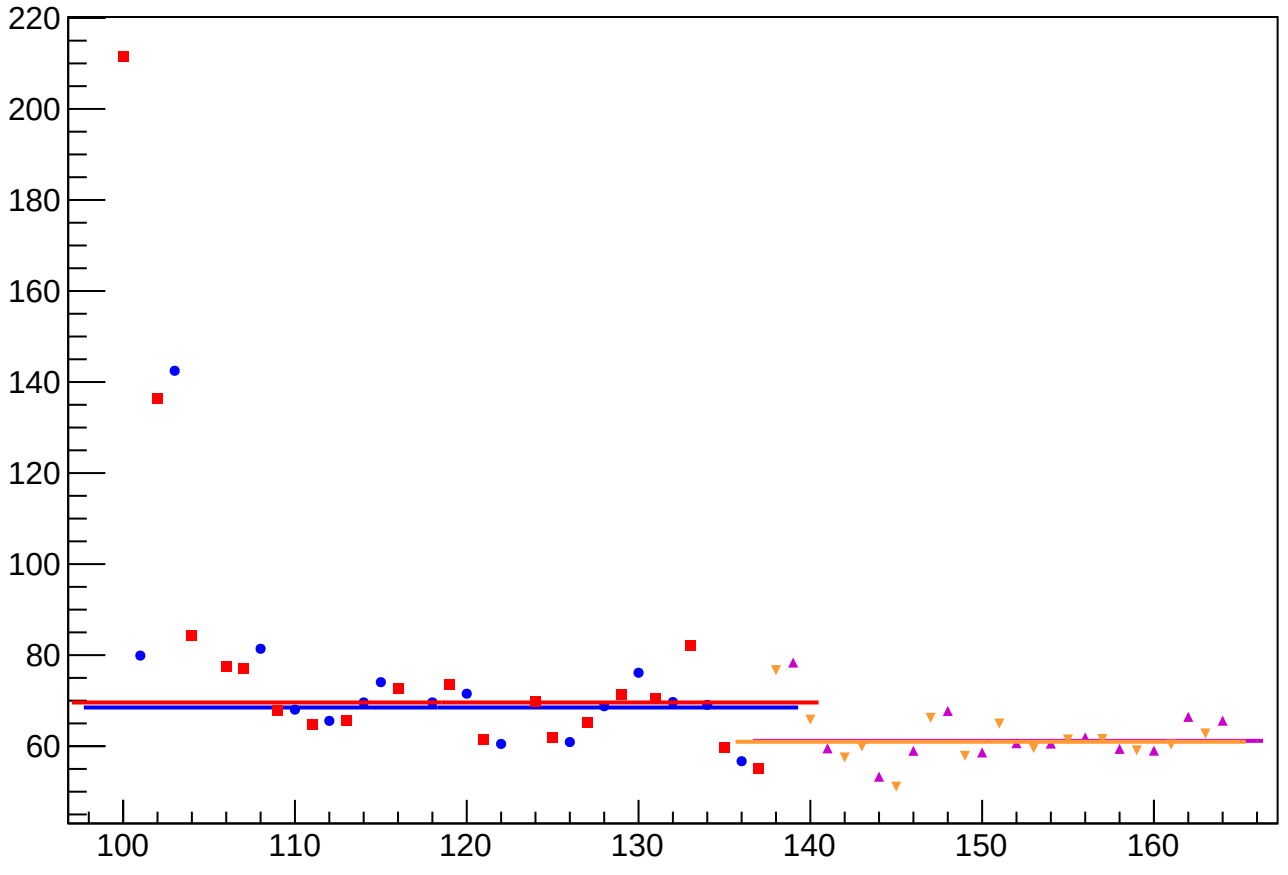
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.708+/-15.045 χ^2/NDF: 34.5/29

All: -22.226+/-10.698 χ^2/NDF: 92.7/61

- 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: 60.968+/-0.013 χ^2/NDF:160913.9/13

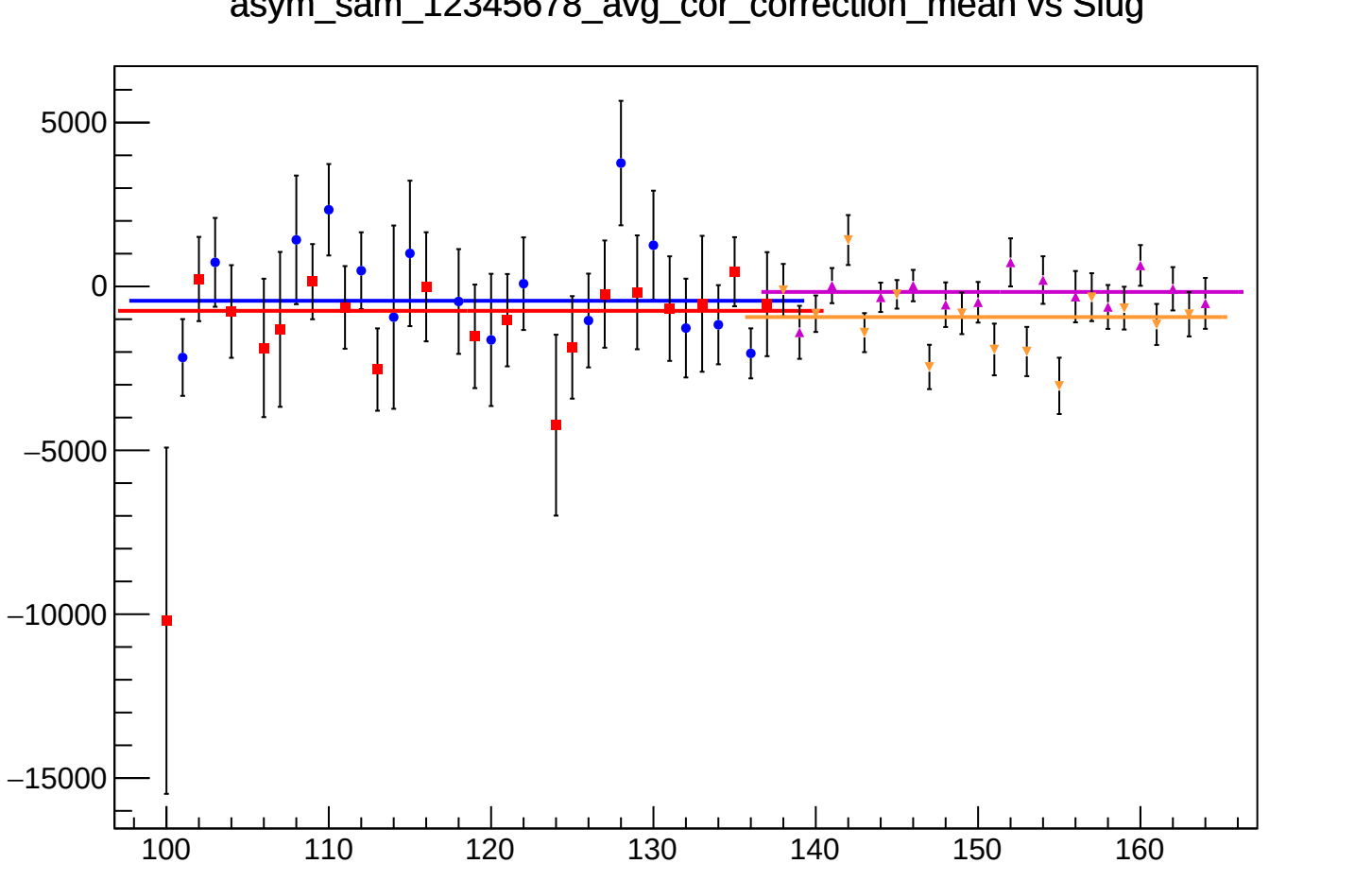
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

+ sign 63.449+/-0.011 χ^2/NDF: 743478.2/29

All: 63.708+/-0.008 χ^2/NDF: 1562529.8/61

- 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: -933.505+/-174.239 χ^2/NDF:29.4/13

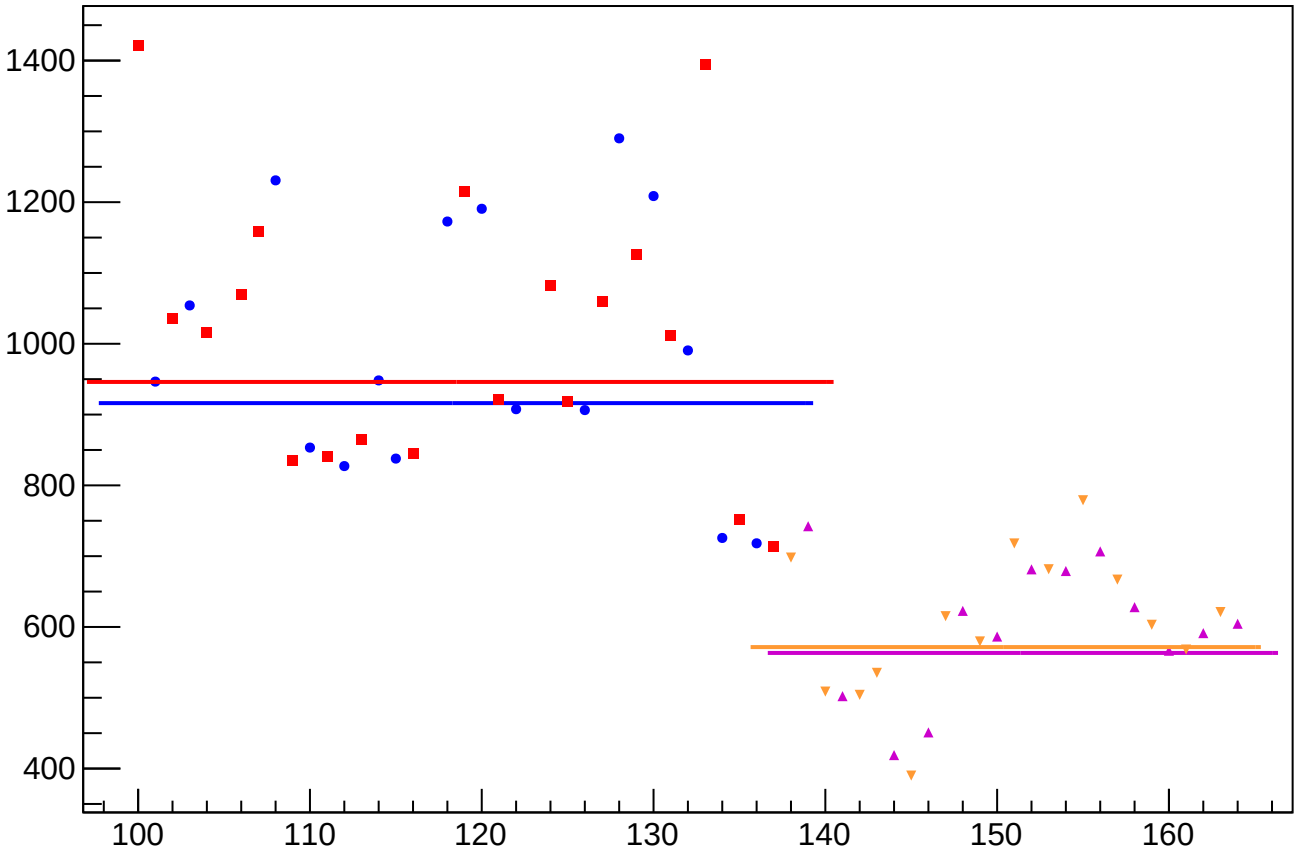
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -167.439+/-173.374 χ^2/NDF:7.5/12

+ sign -834.471+/-155.880 χ^2/NDF: 51.5/29

All: -556.500+/-110.146 χ^2/NDF: 78.4/61

- 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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

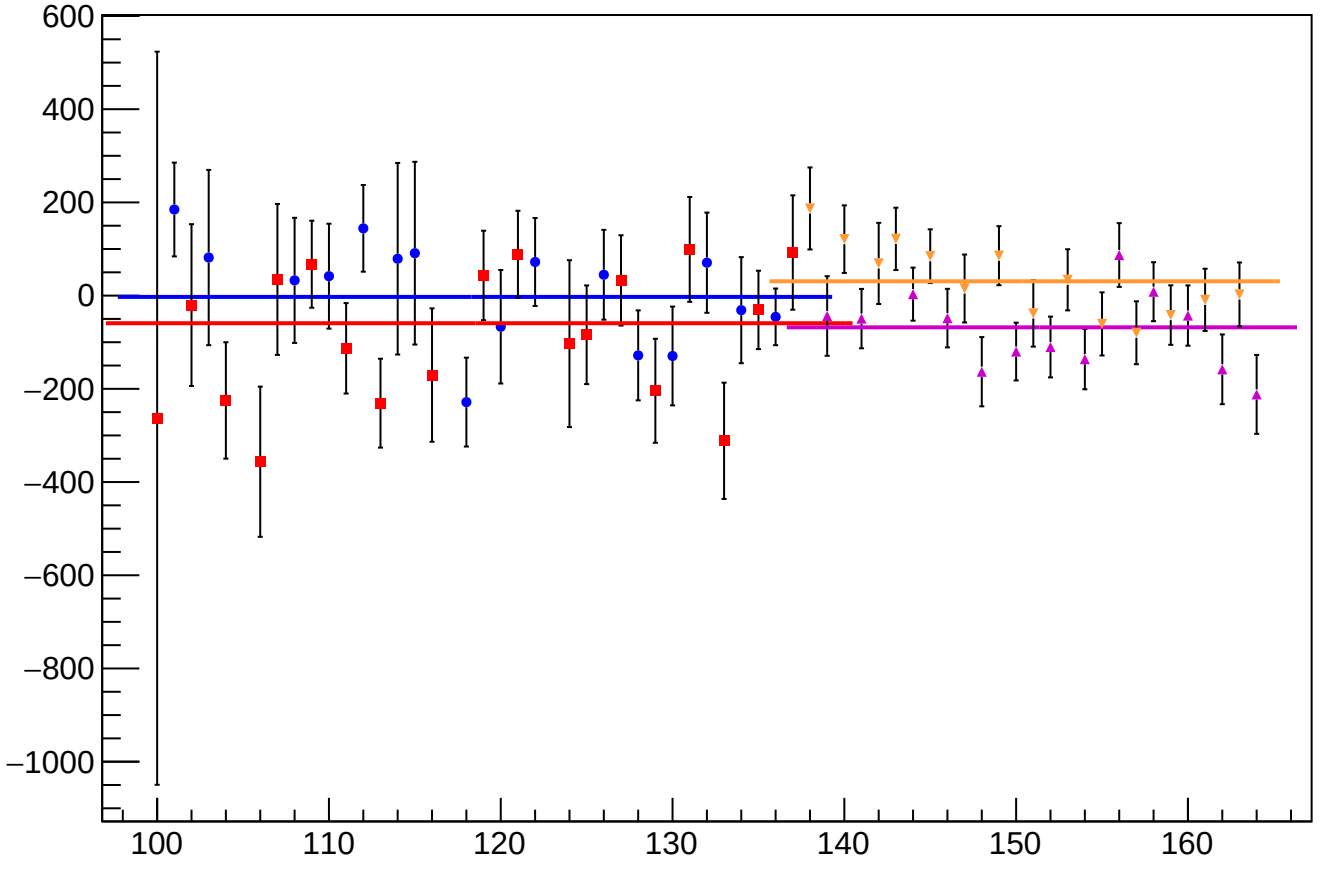
Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

+ sign 640.370+/-0.110 χ^2/NDF: 2801795.4/29

All: 638.953+/-0.078 χ^2/NDF: 5754838.7/61

- 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: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

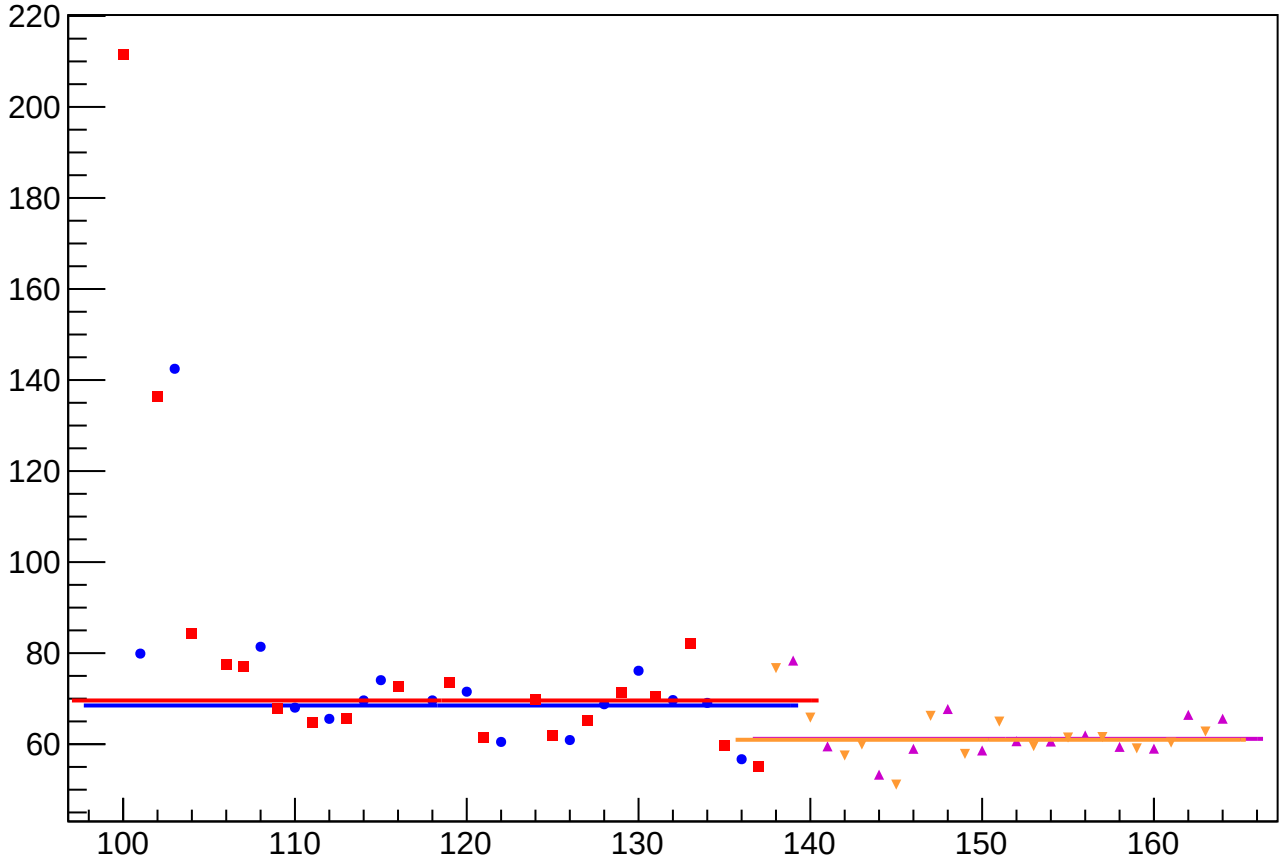
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.708+/-15.045 χ^2/NDF: 34.5/29

All: -22.226+/-10.698 χ^2/NDF: 92.7/61

- 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: 60.968+/-0.013 χ^2/NDF:160913.9/13

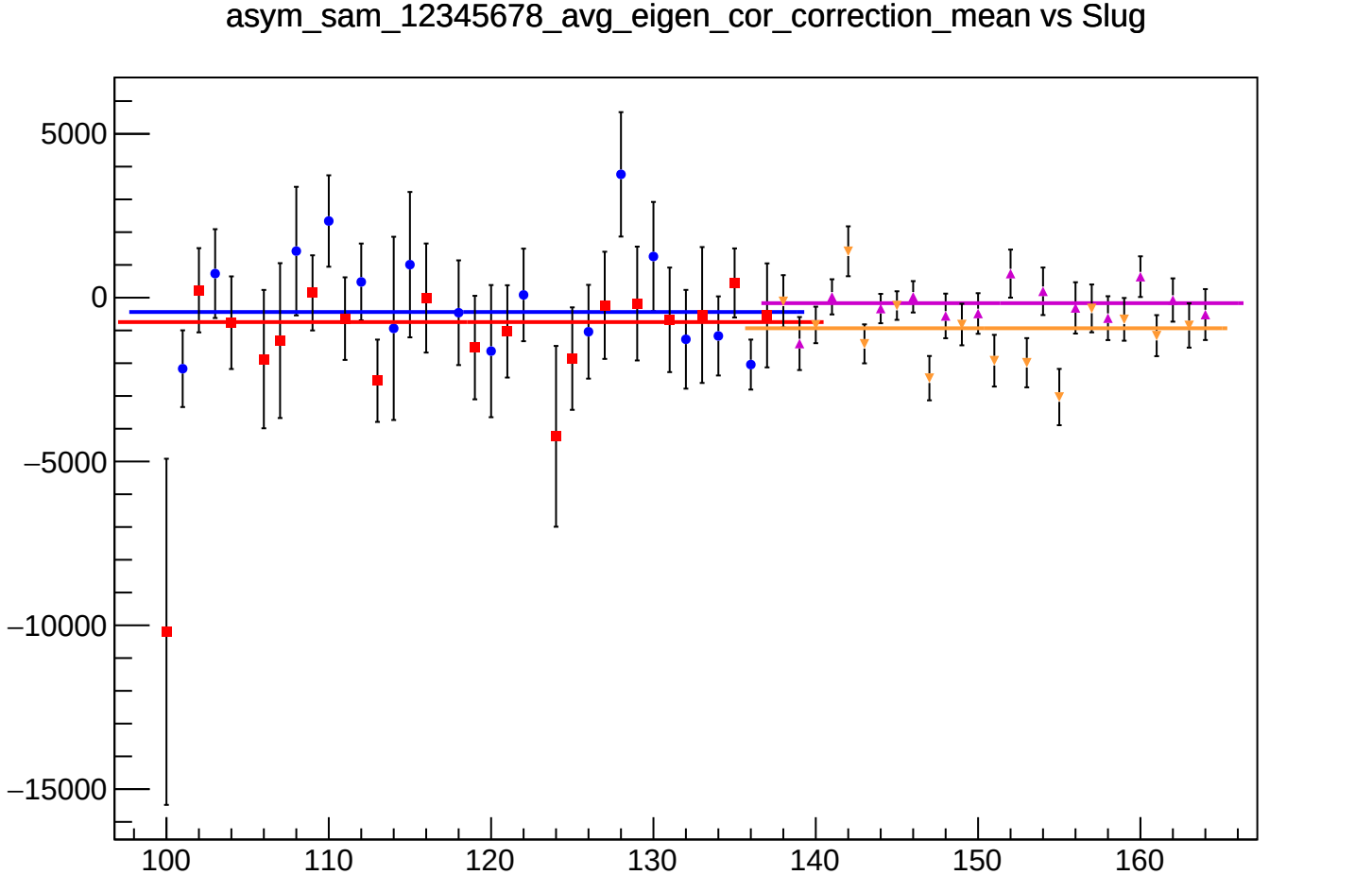
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

\+ sign 63.449+/-0.011 χ^2/NDF: 743478.2/29

All: 63.708+/-0.008 χ^2/NDF: 1562529.8/61

\- 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: -933.505+/-174.239 χ^2/NDF:29.4/13

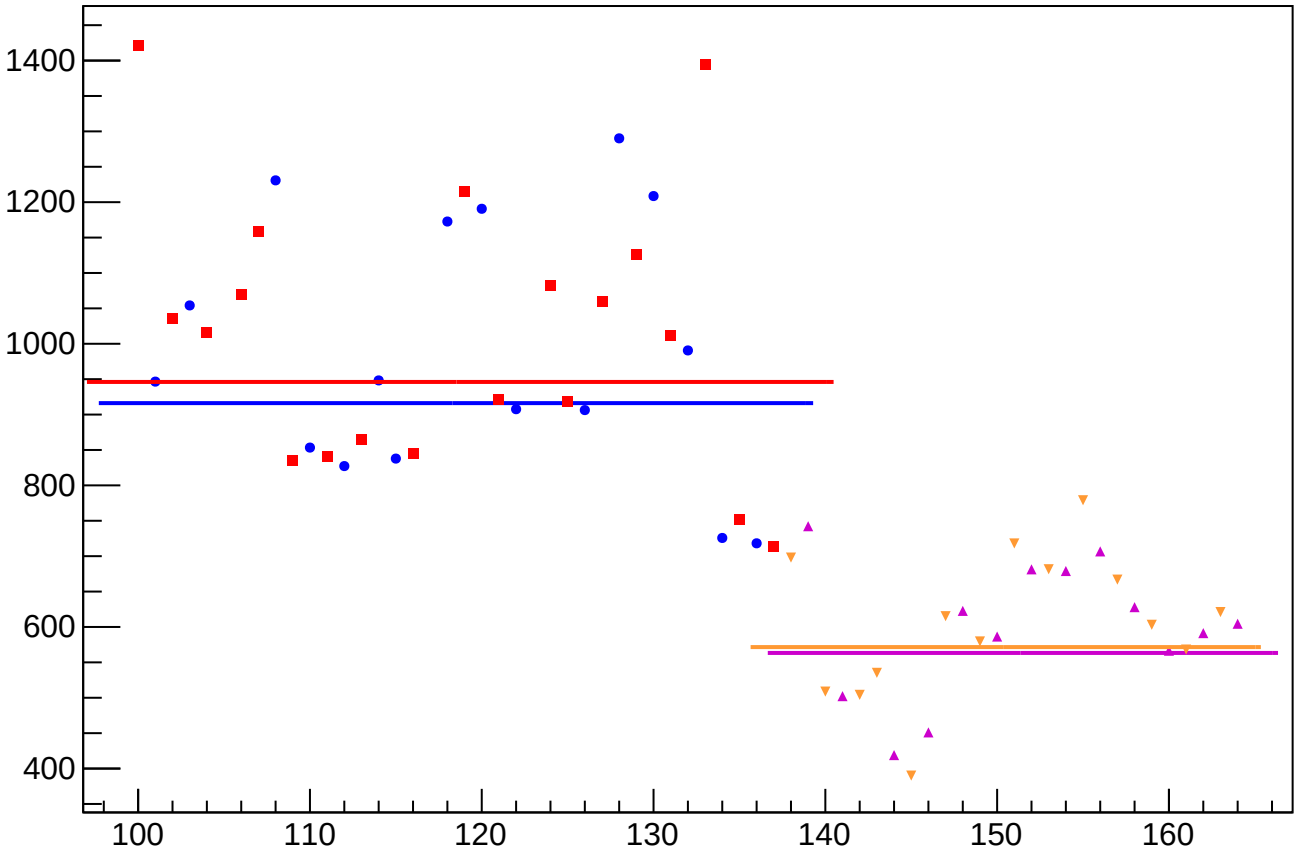
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -167.439+/-173.374 χ^2/NDF:7.5/12

+ sign -834.471+/-155.880 χ^2/NDF: 51.5/29

All: -556.500+/-110.146 χ^2/NDF: 78.4/61

- 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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

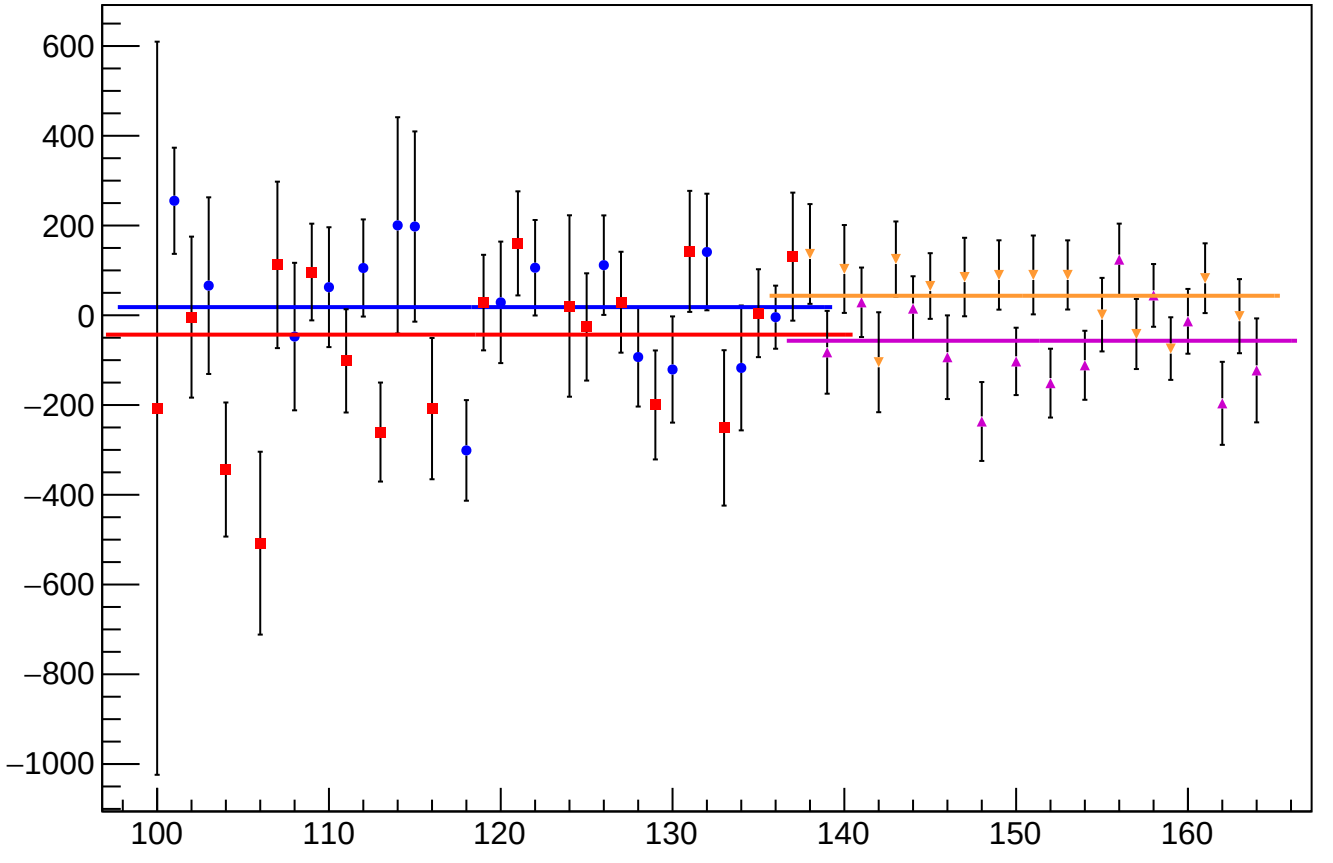
Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

\+ sign 640.370+/-0.110 χ^2/NDF: 2801795.4/29

All: 638.953+/-0.078 χ^2/NDF: 5754838.7/61

\- 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: 43.492+/-22.237 χ^2/NDF:10.0/13

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

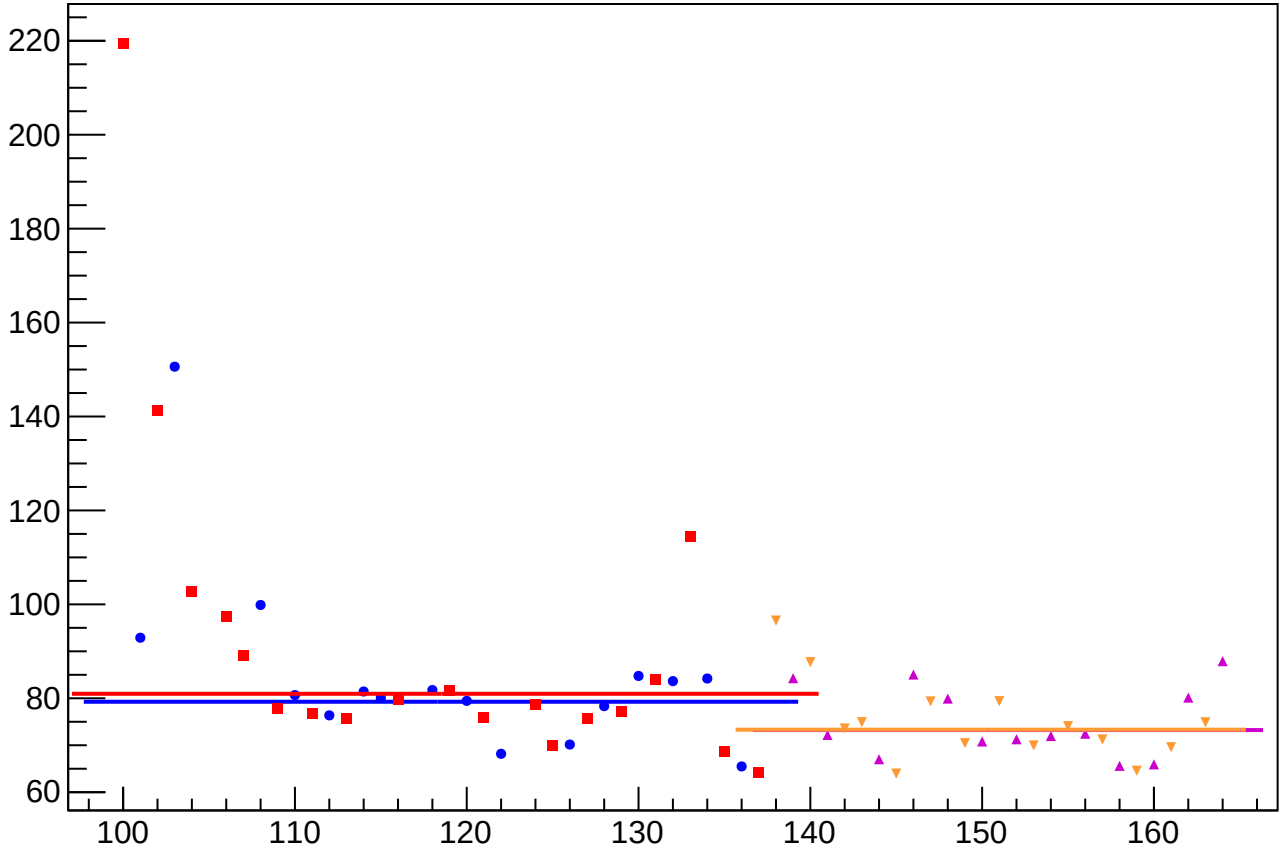
Left In: -56.781+/-22.466 χ^2/NDF:19.2/12

+ sign 34.647+/-17.937 χ^2/NDF: 30.6/29

All: -8.222+/-12.751 χ^2/NDF: 89.1/61

- 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: 73.315+/-0.016 χ^2/NDF:227786.8/13

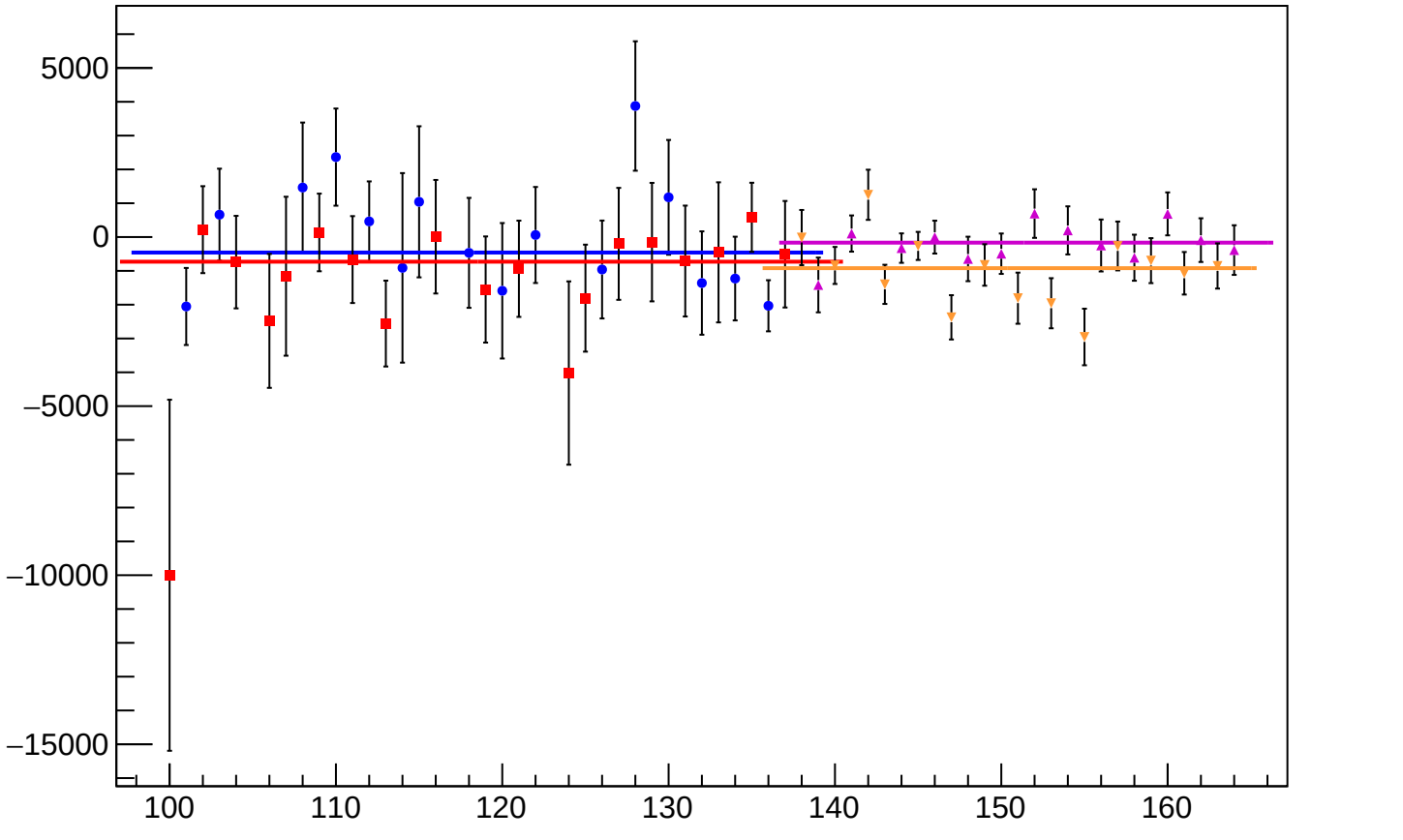
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.235+/-0.016 χ^2/NDF:179250.7/12

+ sign 75.393+/-0.013 χ^2/NDF: 722731.5/29

All: 75.657+/-0.009 χ^2/NDF: 1499462.9/61

- 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: -920.248+/-170.541 χ^2/NDF:28.2/13

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

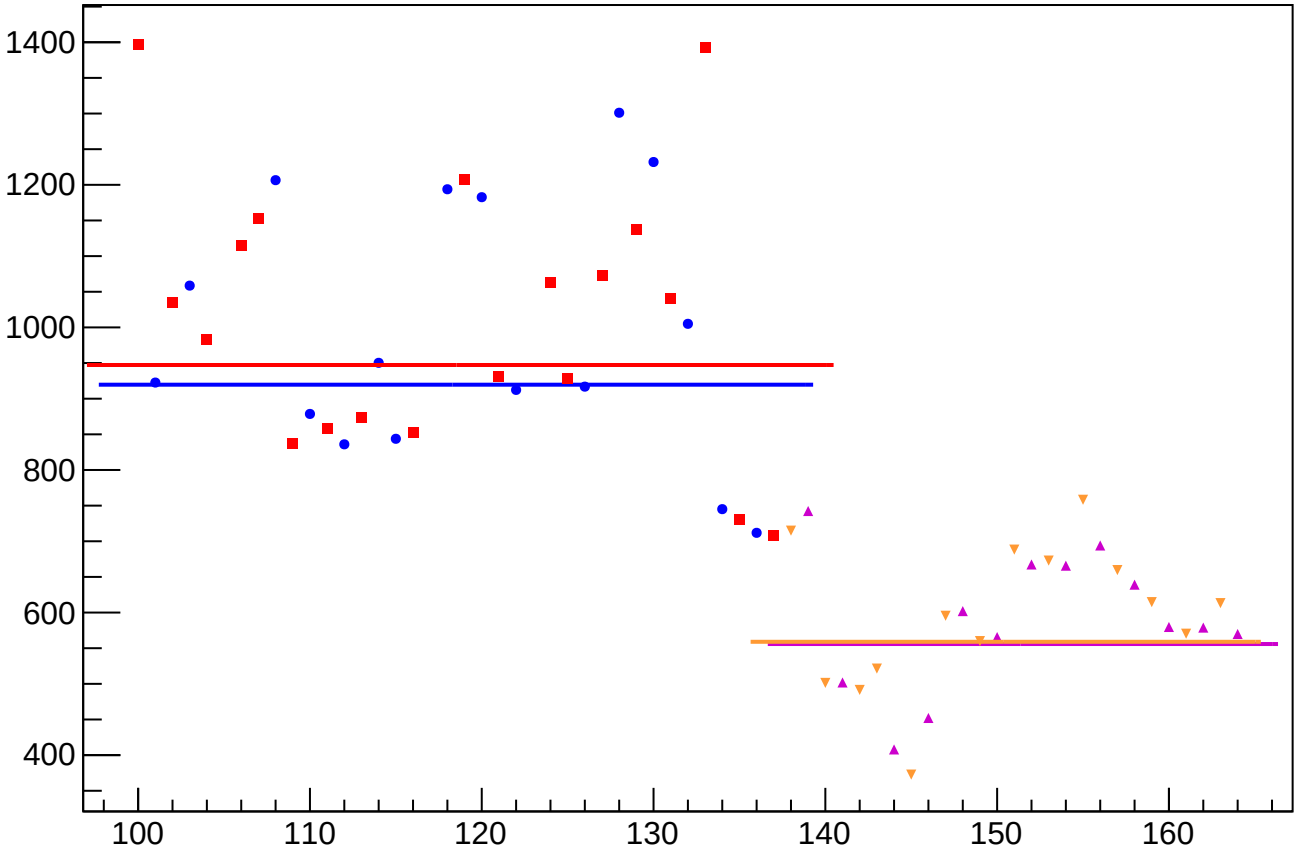
Left In: -165.522+/-171.168 χ^2/NDF:7.8/12

+ sign -831.608+/-153.316 χ^2/NDF: 49.9/29

All: -553.489+/-108.645 χ^2/NDF: 77.9/61

- 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: 558.999+/-0.121 χ^2/NDF:815318.6/13

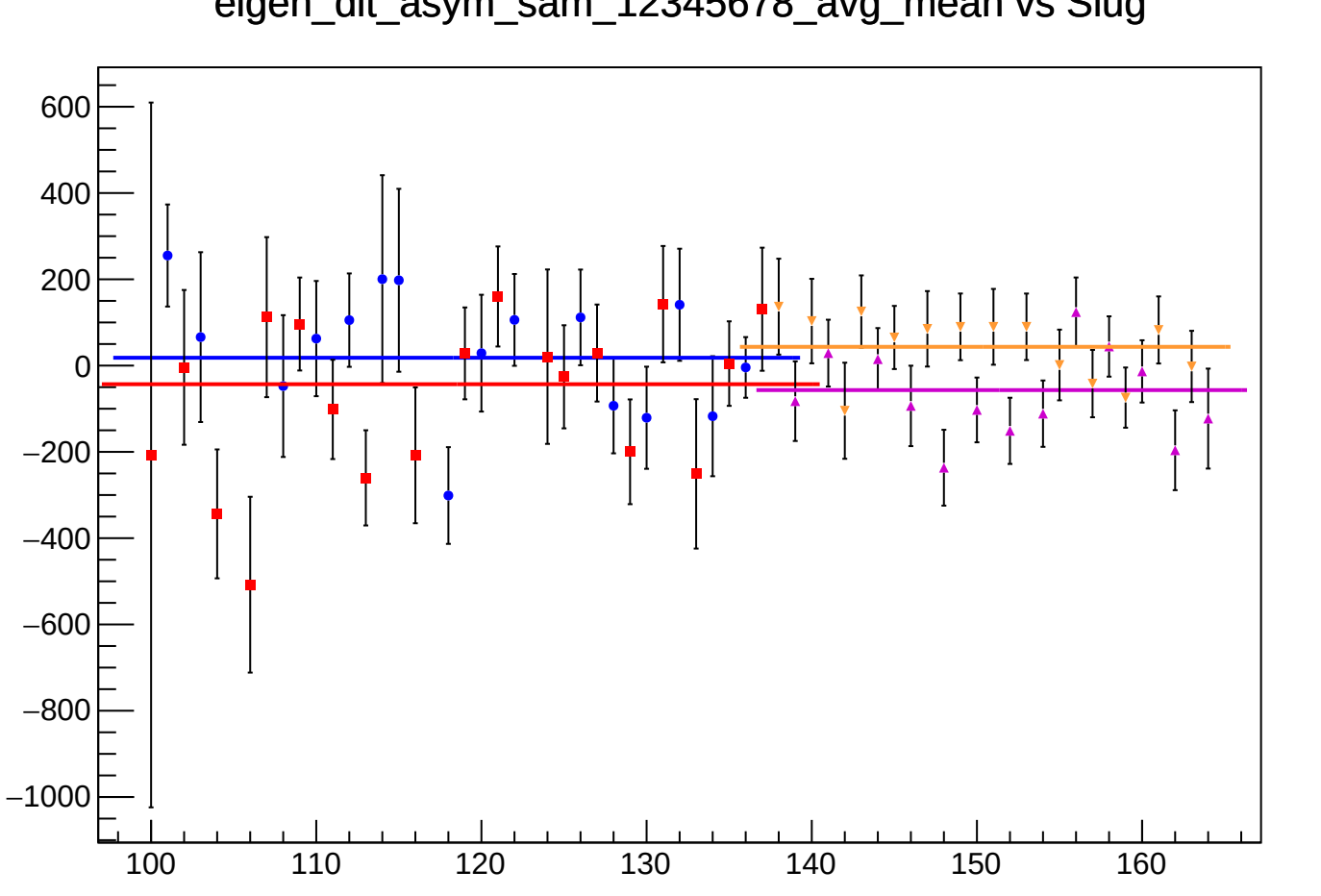
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 555.864+/-0.121 χ^2/NDF:655390.9/12

\+ sign 628.170+/-0.108 χ^2/NDF: 3046187.9/29

All: 629.340+/-0.077 χ^2/NDF: 6122084.7/61

\- sign 630.520+/-0.109 χ^2/NDF: 3075662.9/31



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.493+/-22.237 χ^2/NDF:10.0/13

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

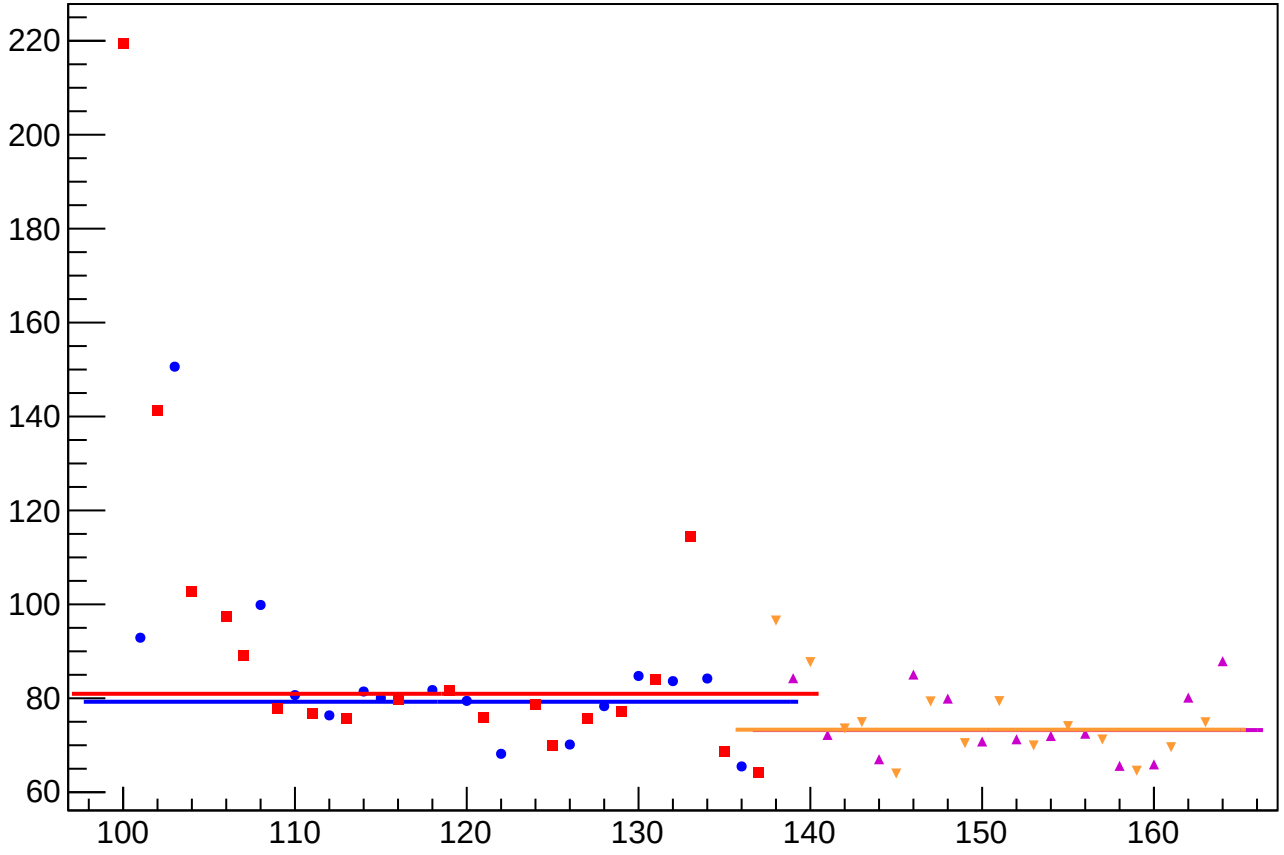
Left In: -56.780+/-22.466 χ^2/NDF:19.2/12

+ sign 34.648+/-17.937 χ^2/NDF: 30.6/29

All: -8.221+/-12.751 χ^2/NDF: 89.1/61

- 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: 73.315+/-0.016 χ^2/NDF:227784.8/13

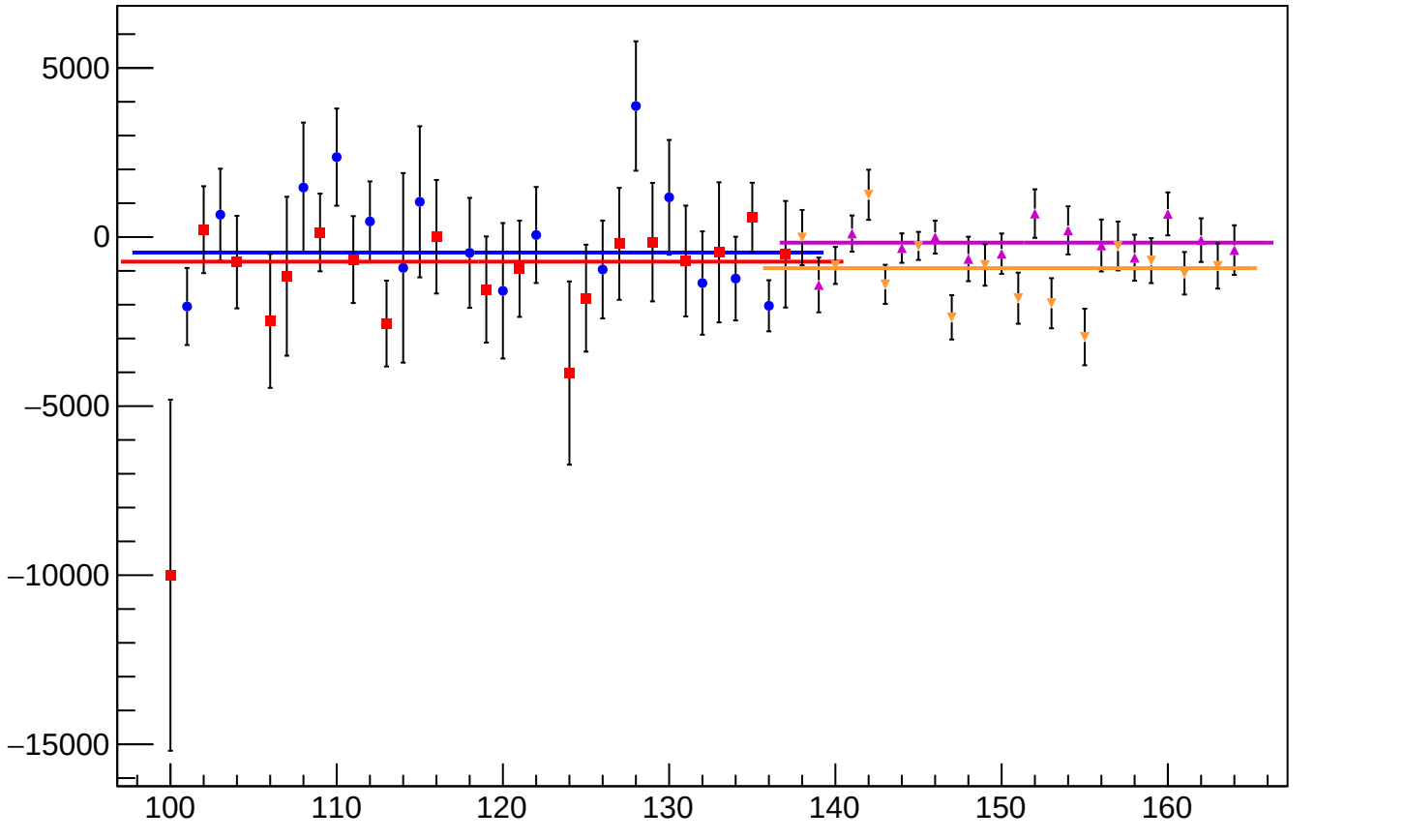
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.235+/-0.016 χ^2/NDF:179255.5/12

+ sign 75.393+/-0.013 χ^2/NDF: 722717.9/29

All: 75.657+/-0.009 χ^2/NDF: 1499453.5/61

- 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: -920.247+/-170.541 χ^2/NDF:28.2/13

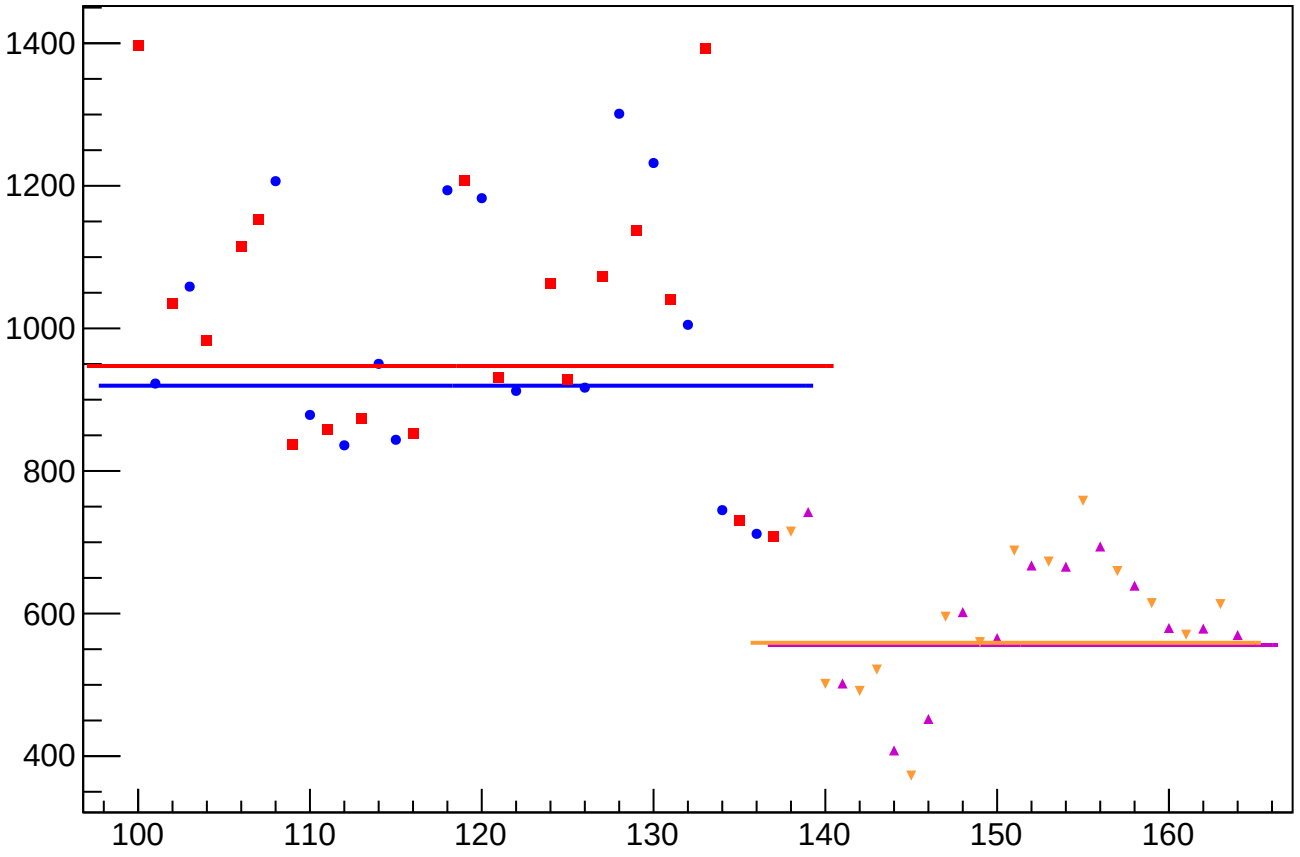
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -165.521+/-171.168 χ^2/NDF:7.8/12

+ sign -831.607+/-153.316 χ^2/NDF: 49.9/29

All: -553.487+/-108.645 χ^2/NDF: 77.9/61

- 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: 558.998+/-0.121 χ^2/NDF:815322.8/13

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

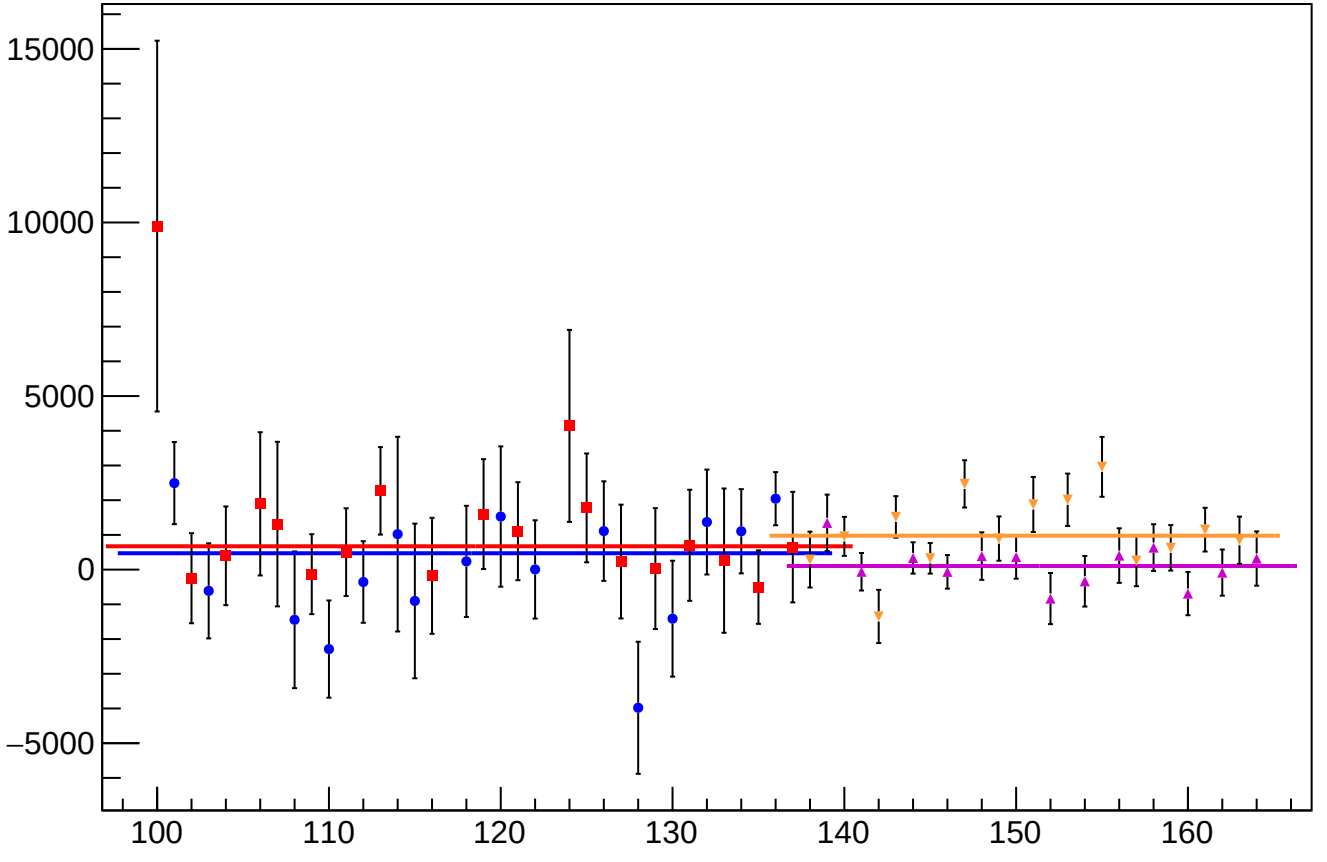
Left In: 555.863+/-0.121 χ^2/NDF:655389.6/12

+ sign 628.169+/-0.108 χ^2/NDF: 3046189.5/29

All: 629.339+/-0.077 χ^2/NDF: 6122079.6/61

- 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: 977.705+/-175.317 χ^2/NDF:27.6/13

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

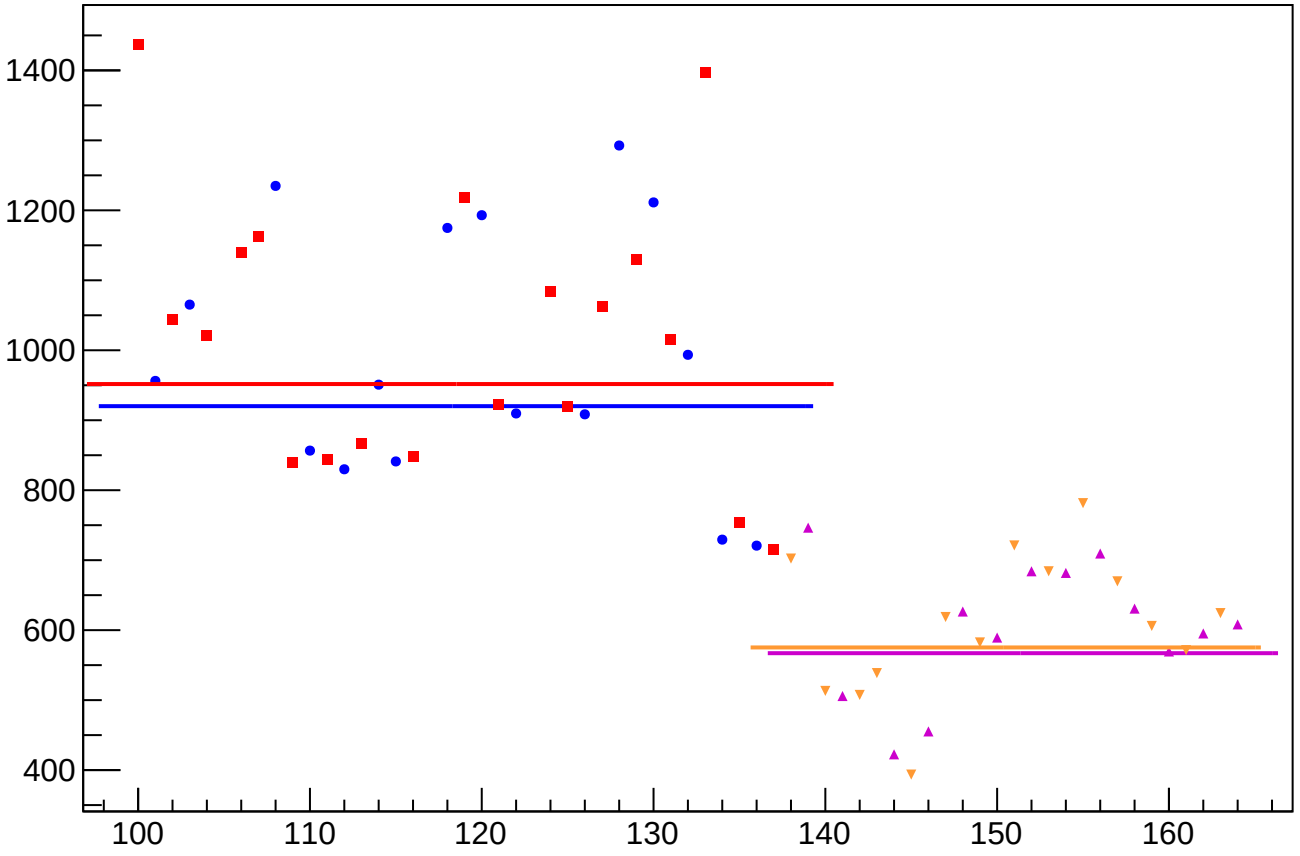
Left In: 104.111+/-174.482 χ^2/NDF:7.7/12

+ sign 876.447+/-156.785 χ^2/NDF: 50.7/29

All: 545.201+/-110.780 χ^2/NDF: 79.7/61

- sign 214.954+/-156.548 χ^2/NDF: 20.1/31

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.282+/-0.124 χ^2/NDF:718418.3/13

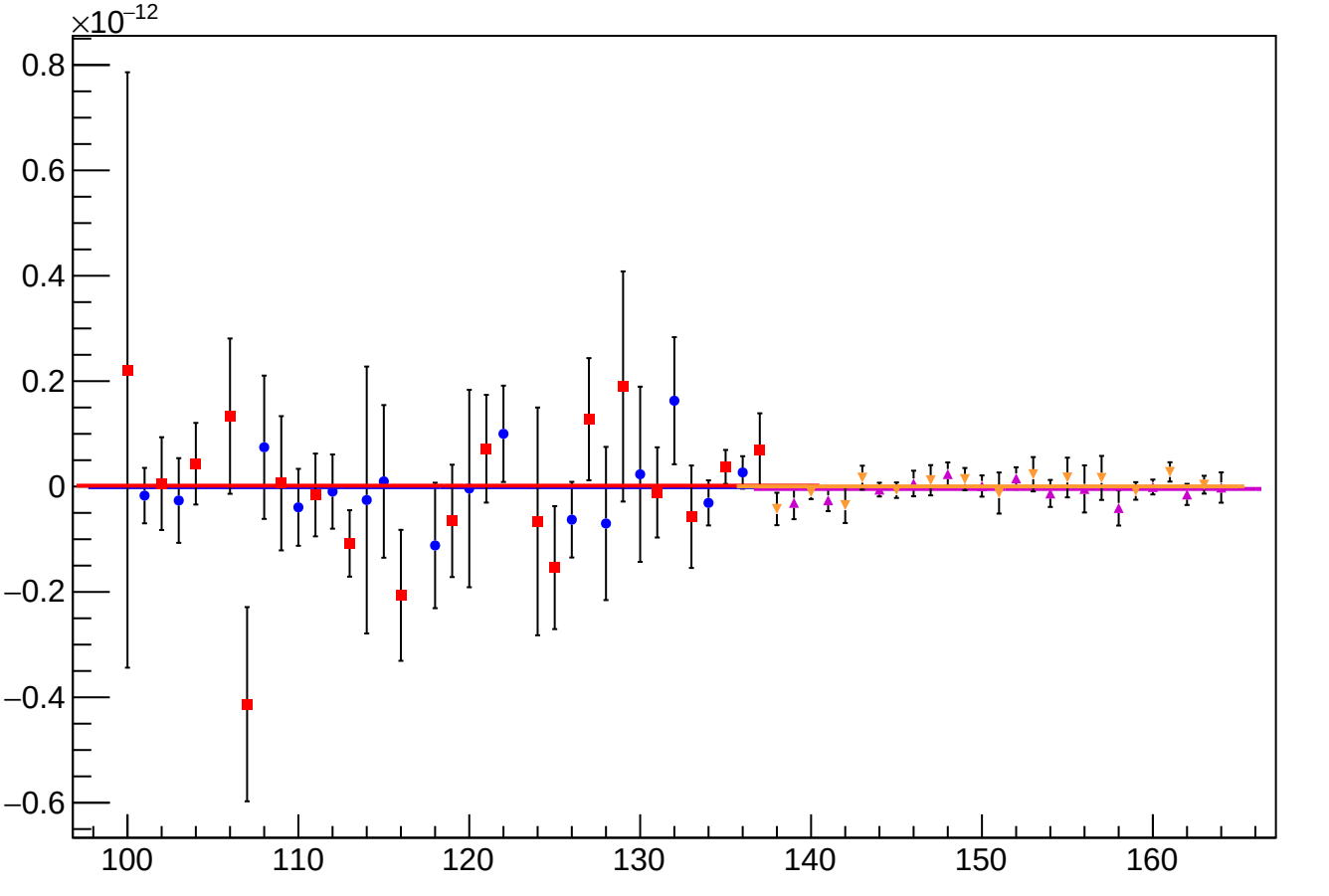
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 567.079+/-0.123 χ^2/NDF:645402.5/12

+ sign 644.332+/-0.111 χ^2/NDF: 2776511.5/29

All: 643.207+/-0.078 χ^2/NDF: 5733587.1/61

- 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:8.6/13

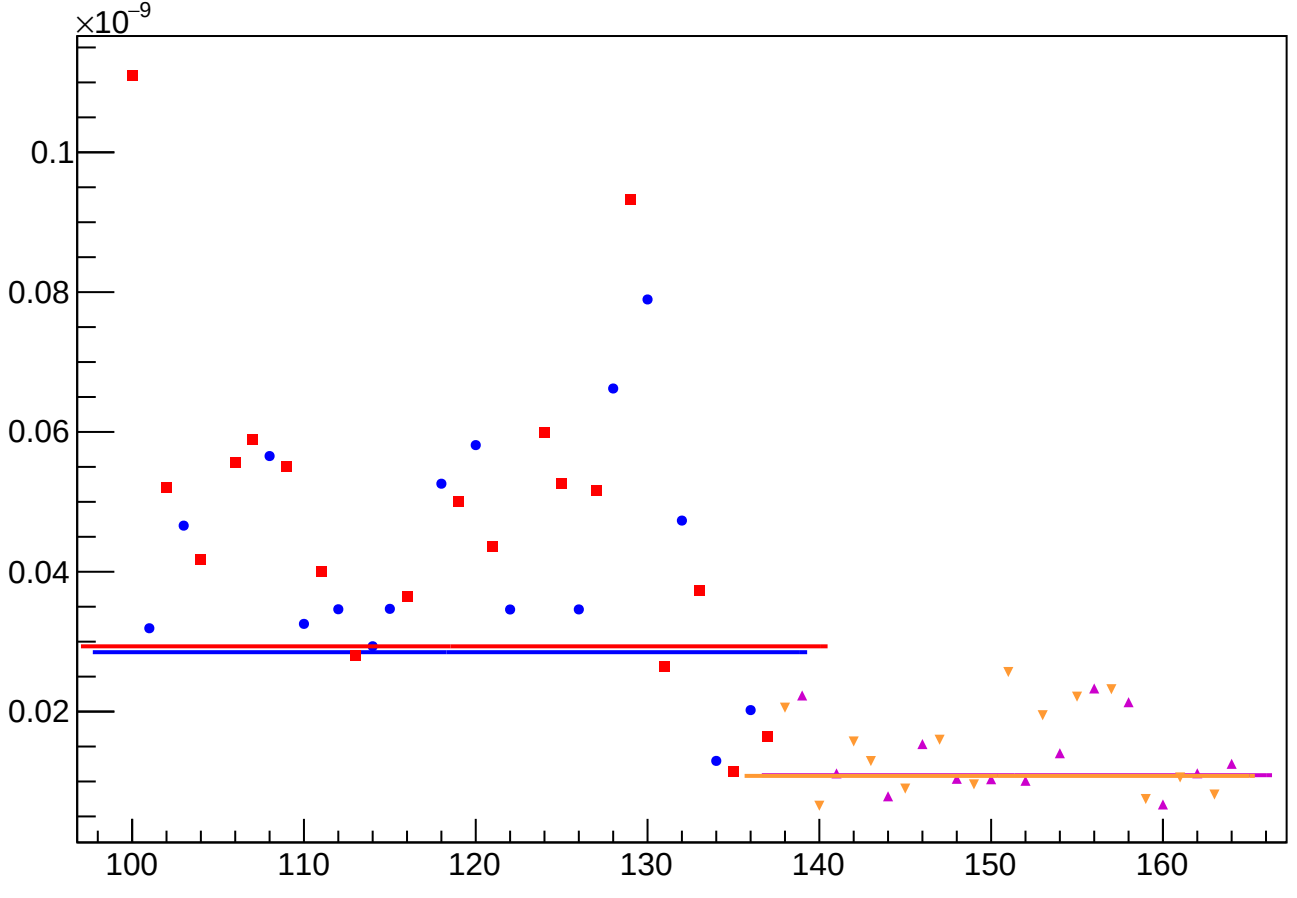
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/29

All: -0.000+/-0.000 χ^2/NDF: 41.7/61

- 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:1493129.1/13

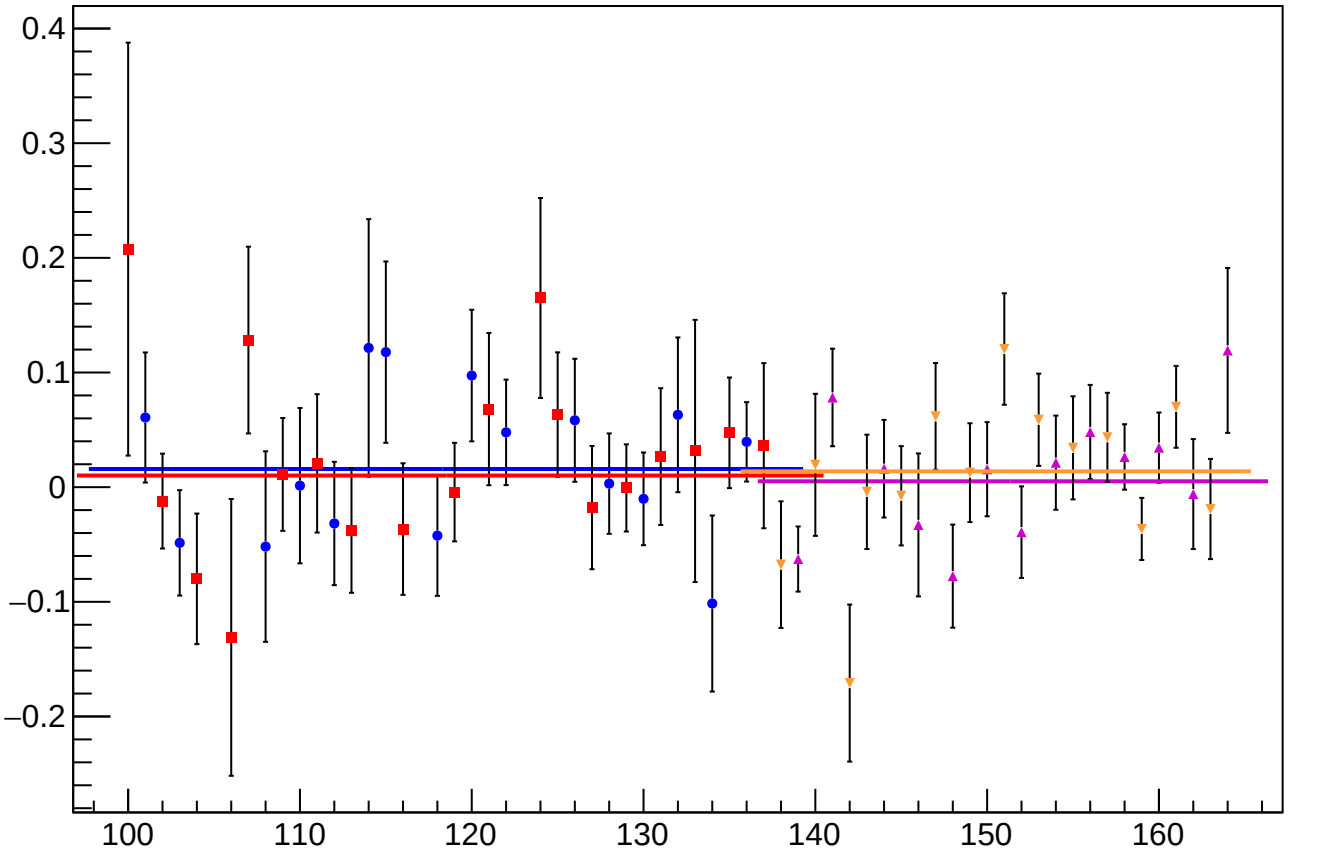
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1011785.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 4454065.0/29

All: 0.000+/-0.000 χ^2/NDF: 8790247.4/61

- 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: 0.014+/-0.011 χ^2/NDF:24.2/13

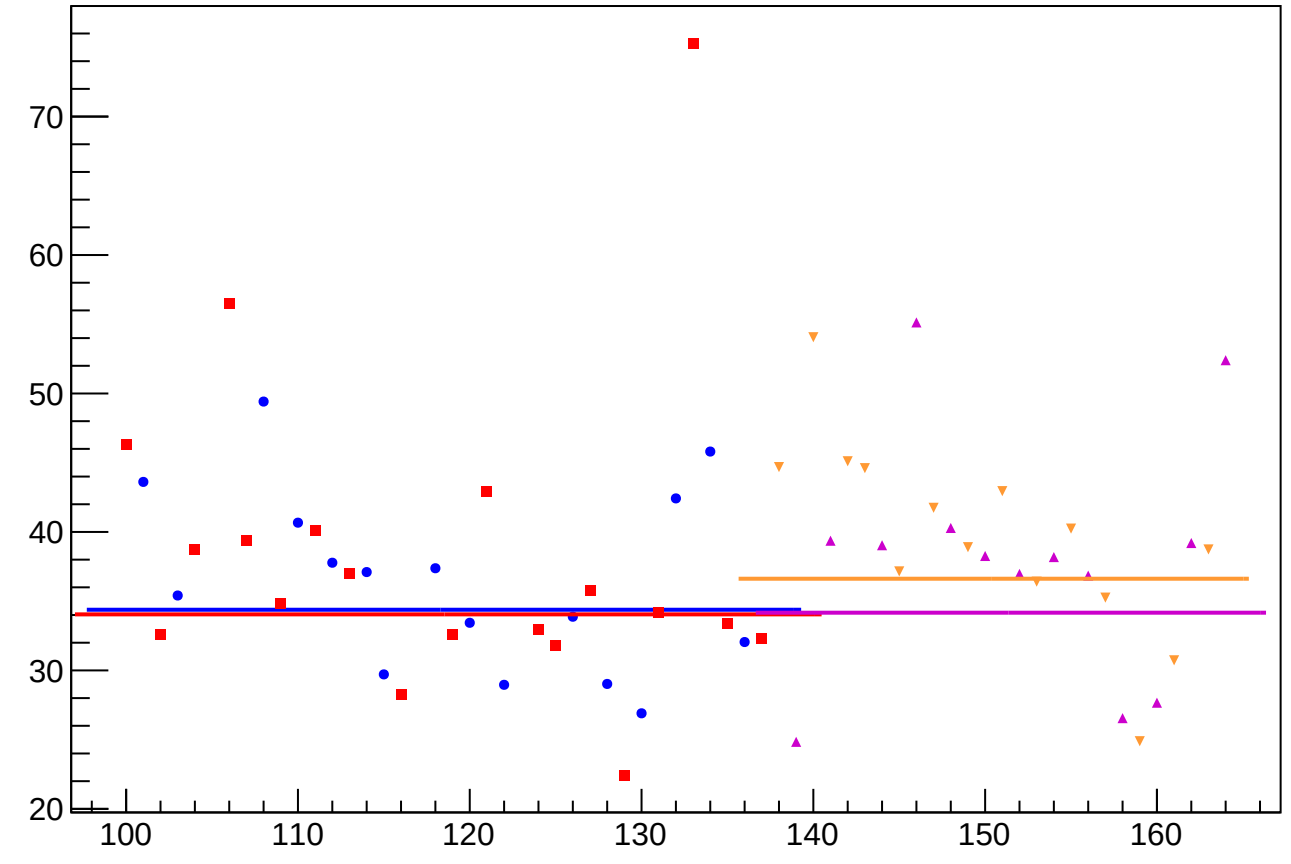
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.005+/-0.011 χ^2/NDF:19.1/12

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.011+/-0.006 χ^2/NDF: 73.7/61

- 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: 36.622+/-0.008 χ^2/NDF:797206.3/13

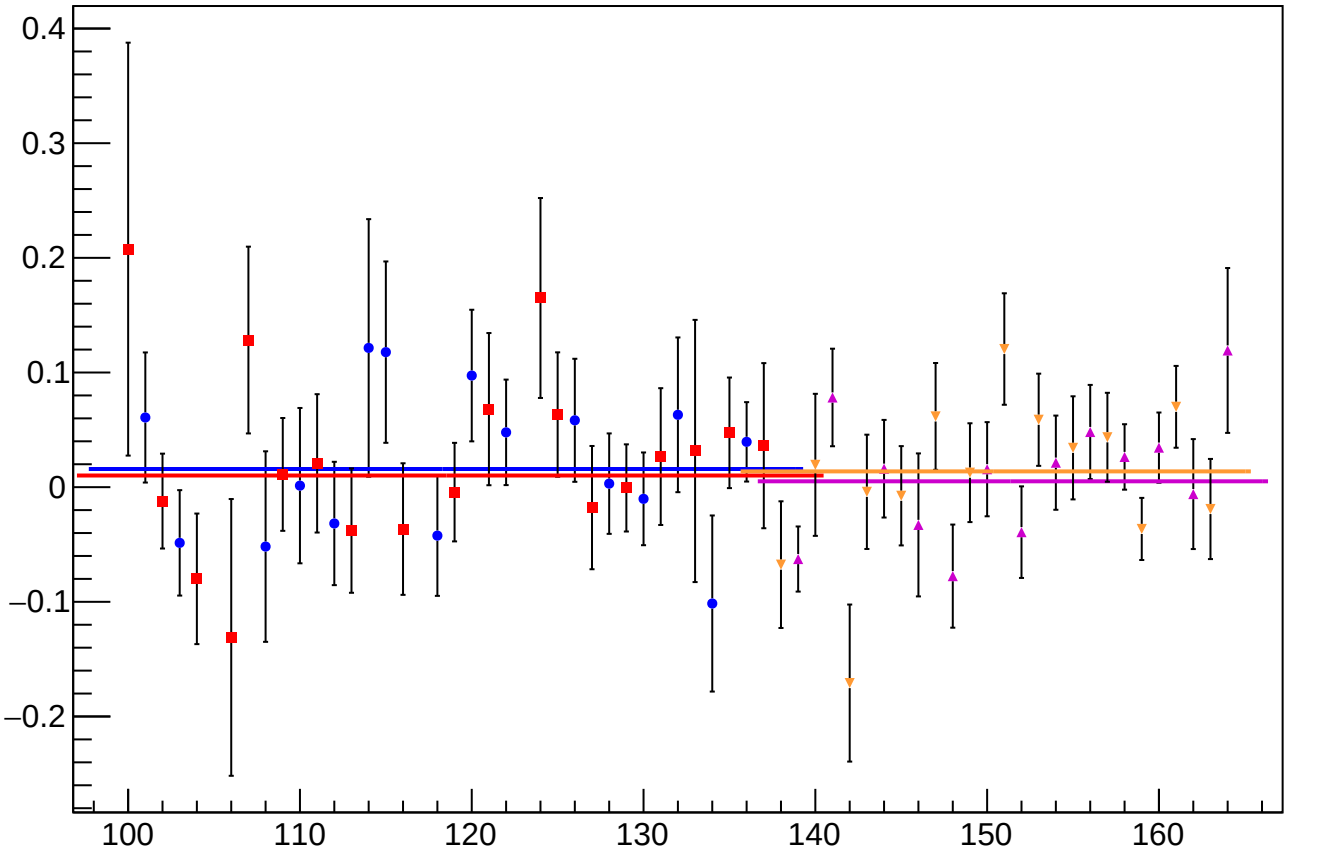
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

+ sign 35.675+/-0.006 χ^2/NDF: 1197374.0/29

All: 34.869+/-0.004 χ^2/NDF: 2848695.1/61

- 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: 0.014+/-0.011 χ^2/NDF:24.2/13

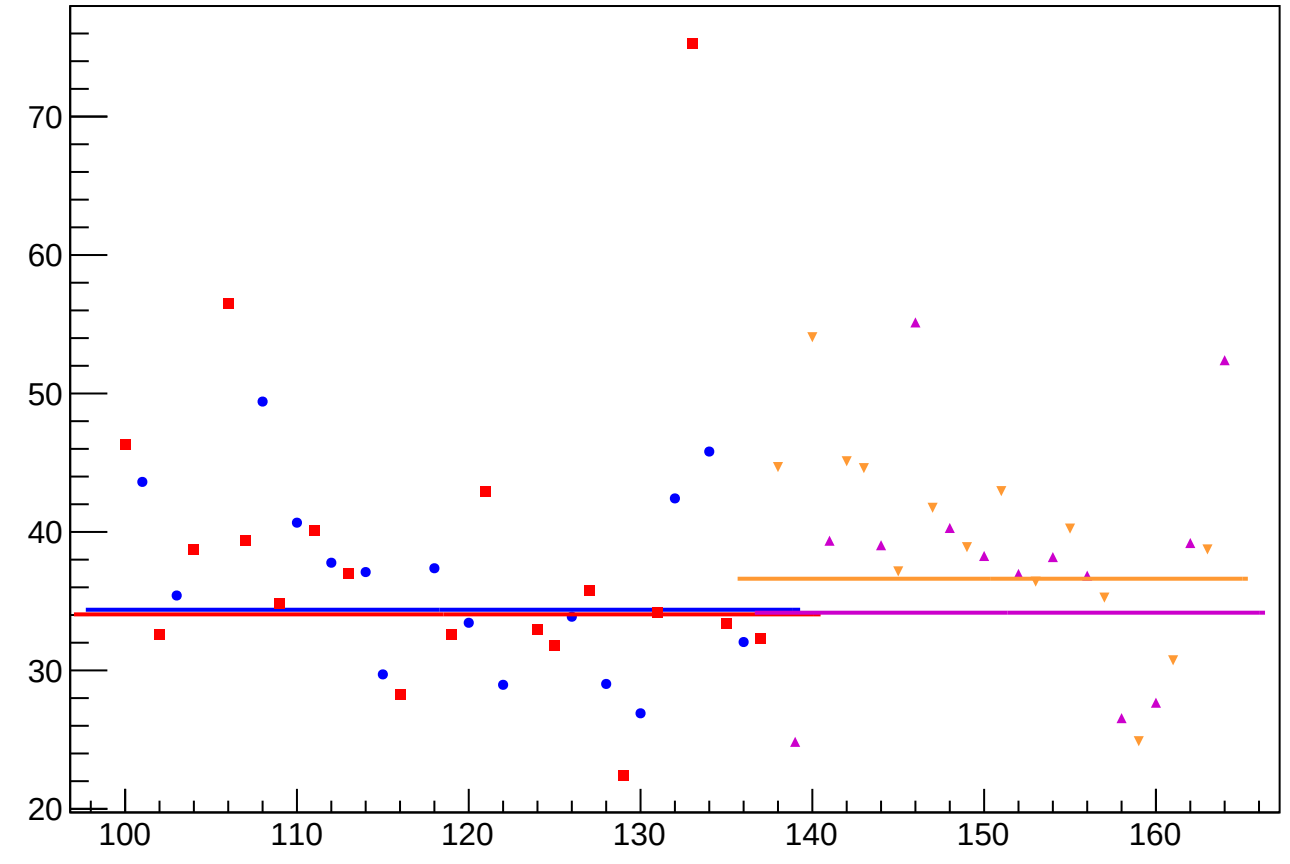
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.005+/-0.011 χ^2/NDF:19.1/12

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.011+/-0.006 χ^2/NDF: 73.7/61

- 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: 36.622+/-0.008 χ^2/NDF:797206.3/13

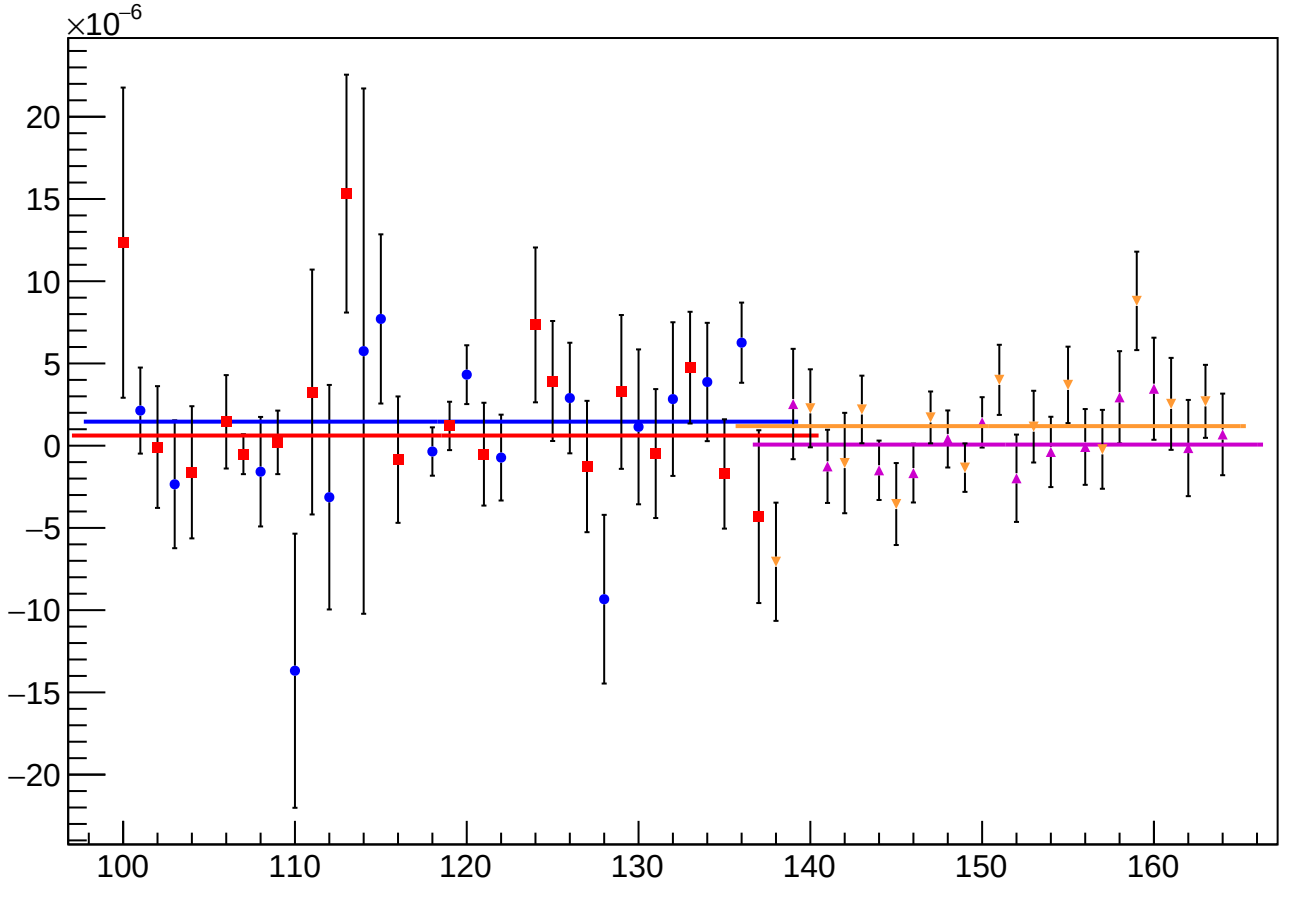
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

+ sign 35.675+/-0.006 χ^2/NDF: 1197374.0/29

All: 34.869+/-0.004 χ^2/NDF: 2848695.1/61

- 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:23.3/13

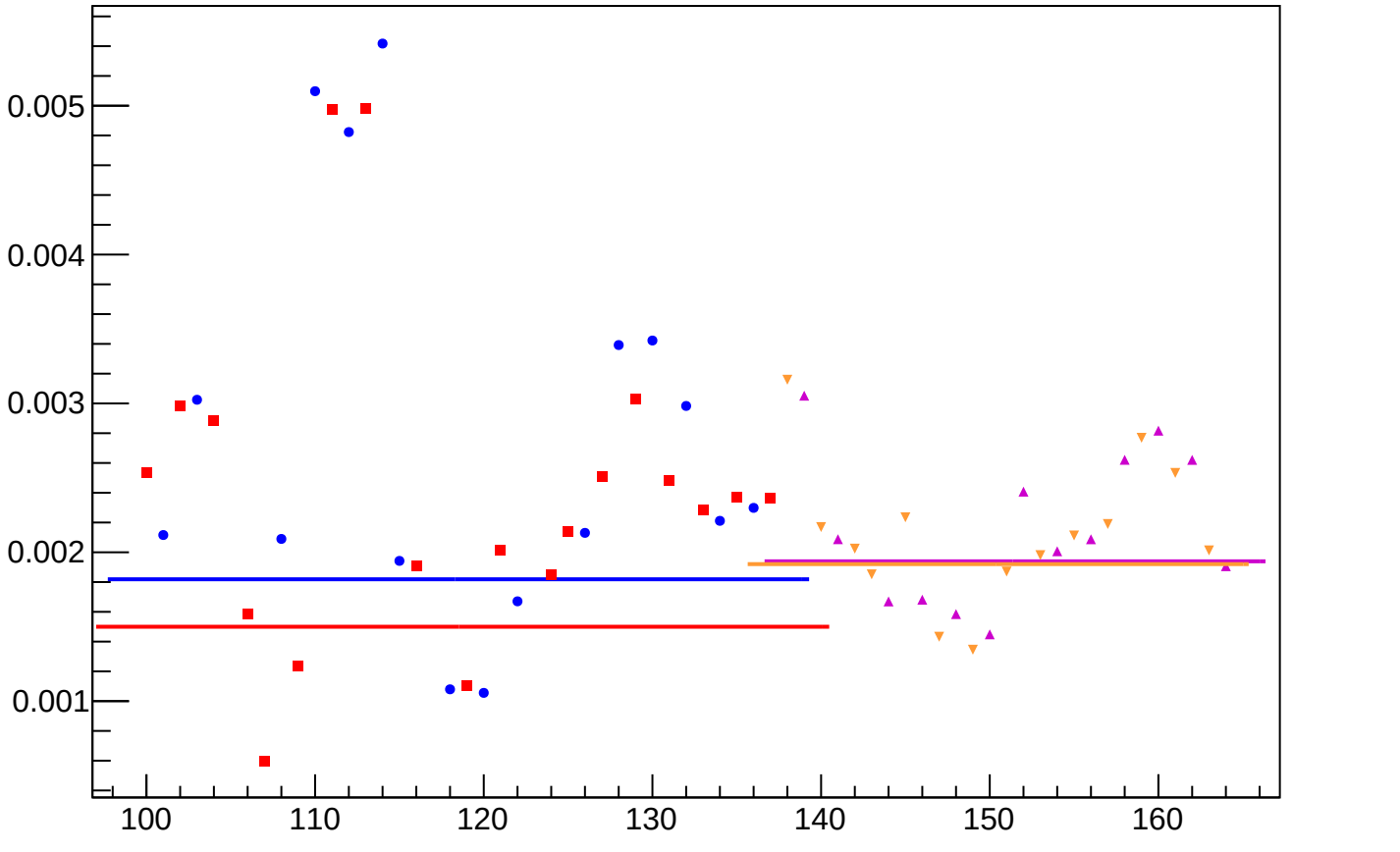
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.4/61

- 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:1094120.9/13

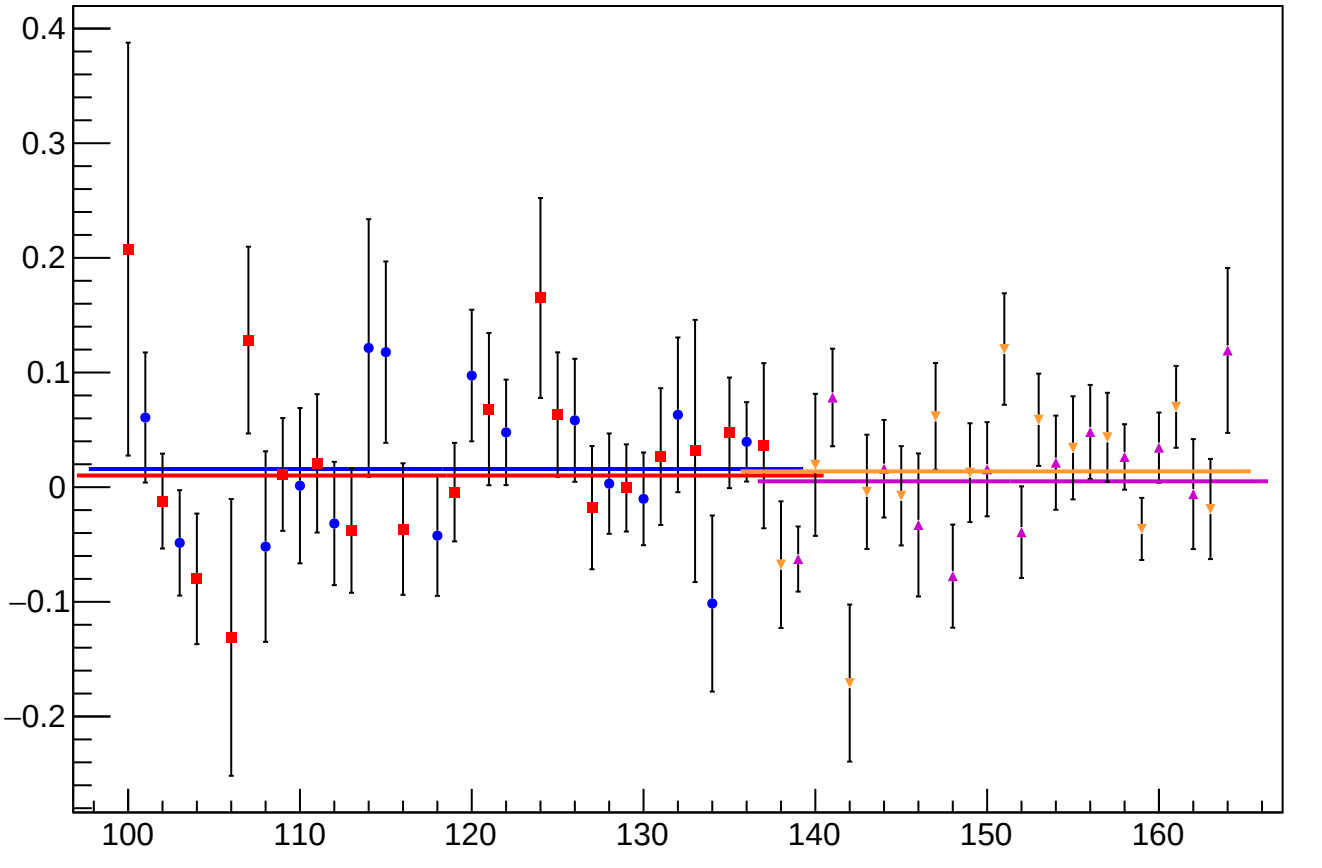
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

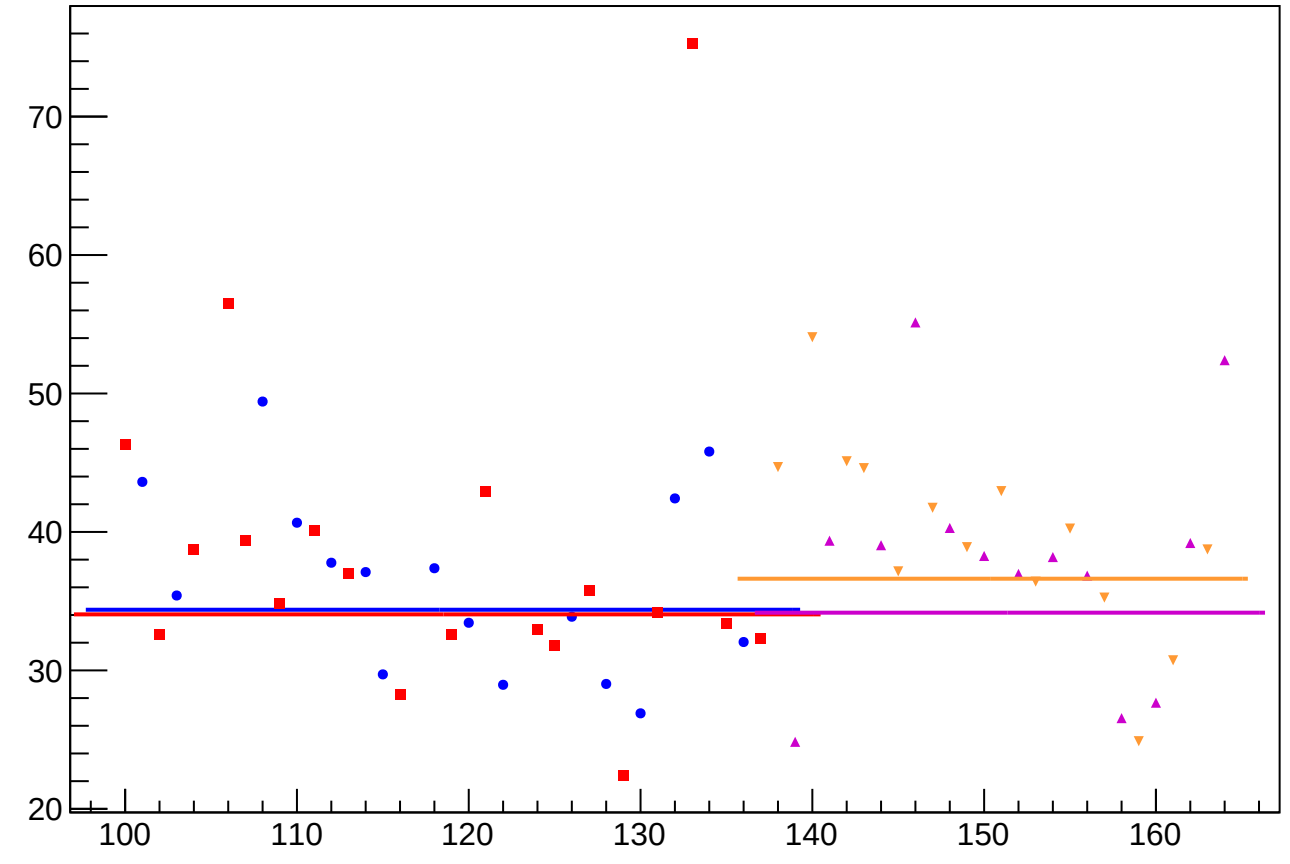
Left In: 0.002+/-0.000 χ^2/NDF:1063122.2/12

+ sign 0.002+/-0.000 χ^2/NDF: 3687027.1/29

All: 0.002+/-0.000 χ^2/NDF: 9038333.4/61

- sign 0.002+/-0.000 χ^2/NDF: 5245266.6/31


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.014+/-0.011 χ²/NDF:24.2/13
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.005+/-0.011 χ²/NDF:19.1/12
+ sign 0.015+/-0.009 χ²/NDF: 39.0/29
All: 0.011+/-0.006 χ²/NDF: 73.7/61
- sign 0.007+/-0.008 χ²/NDF: 34.3/31



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.622+/-0.008 χ^2/NDF:797275.8/13

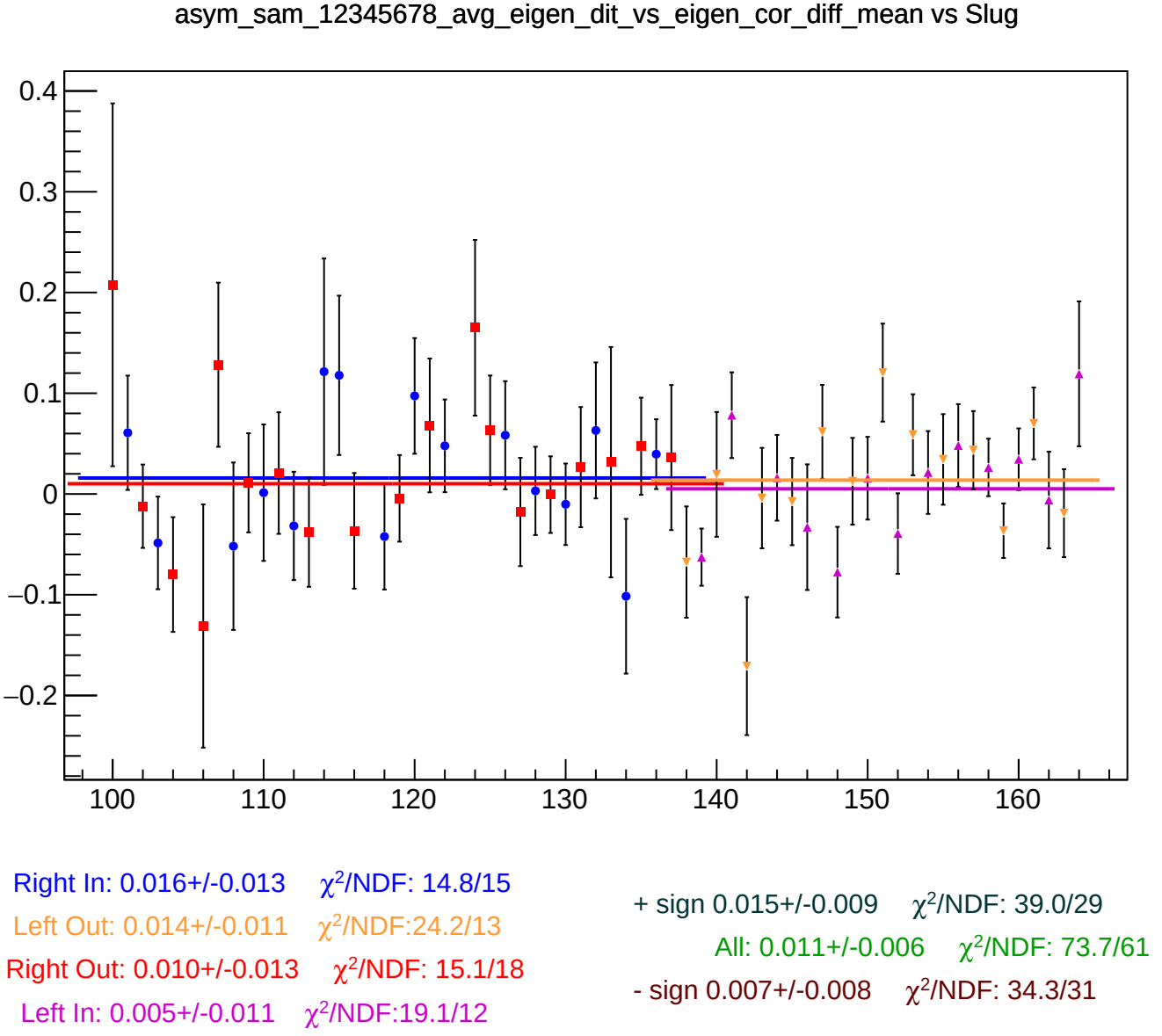
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

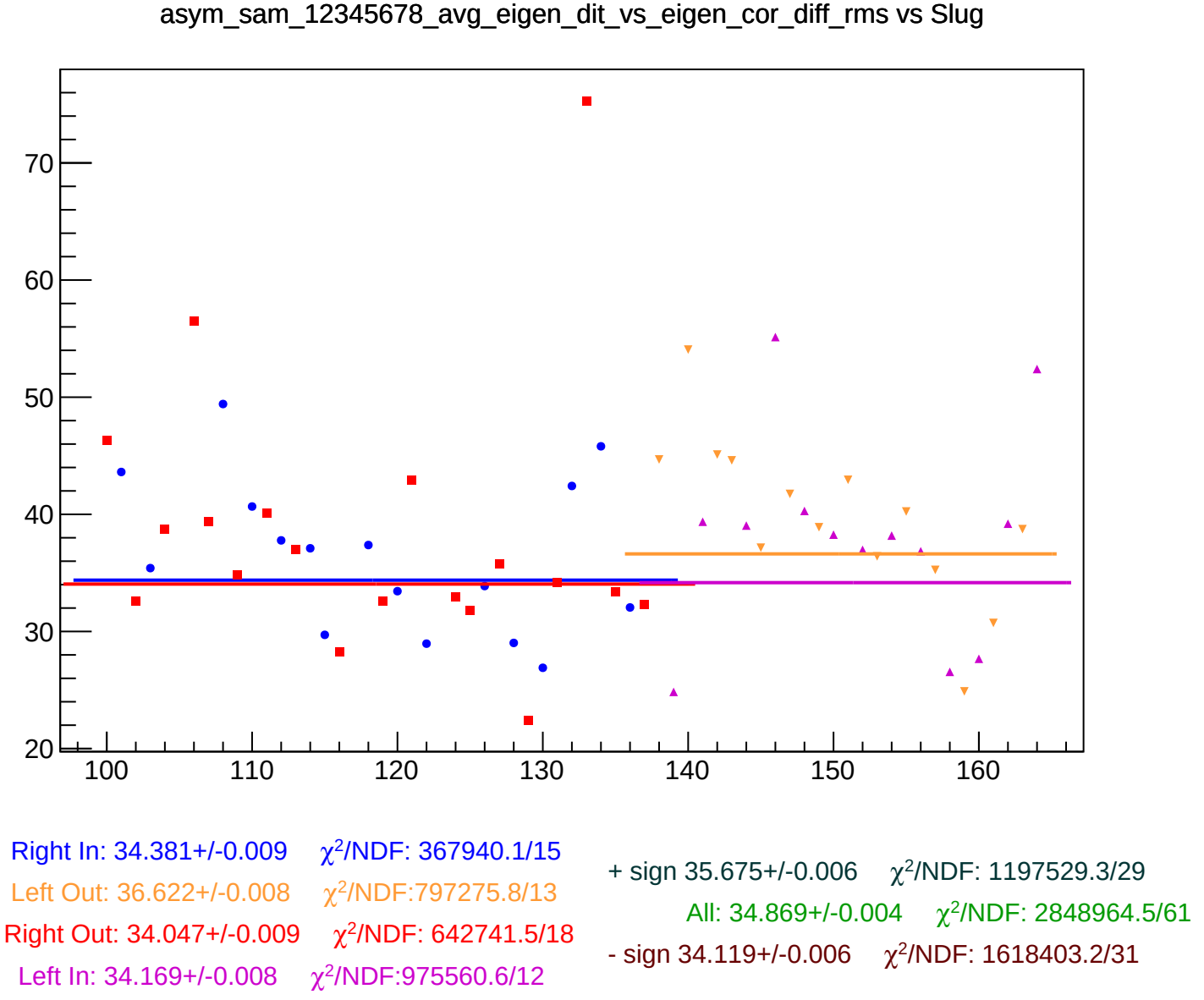
Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

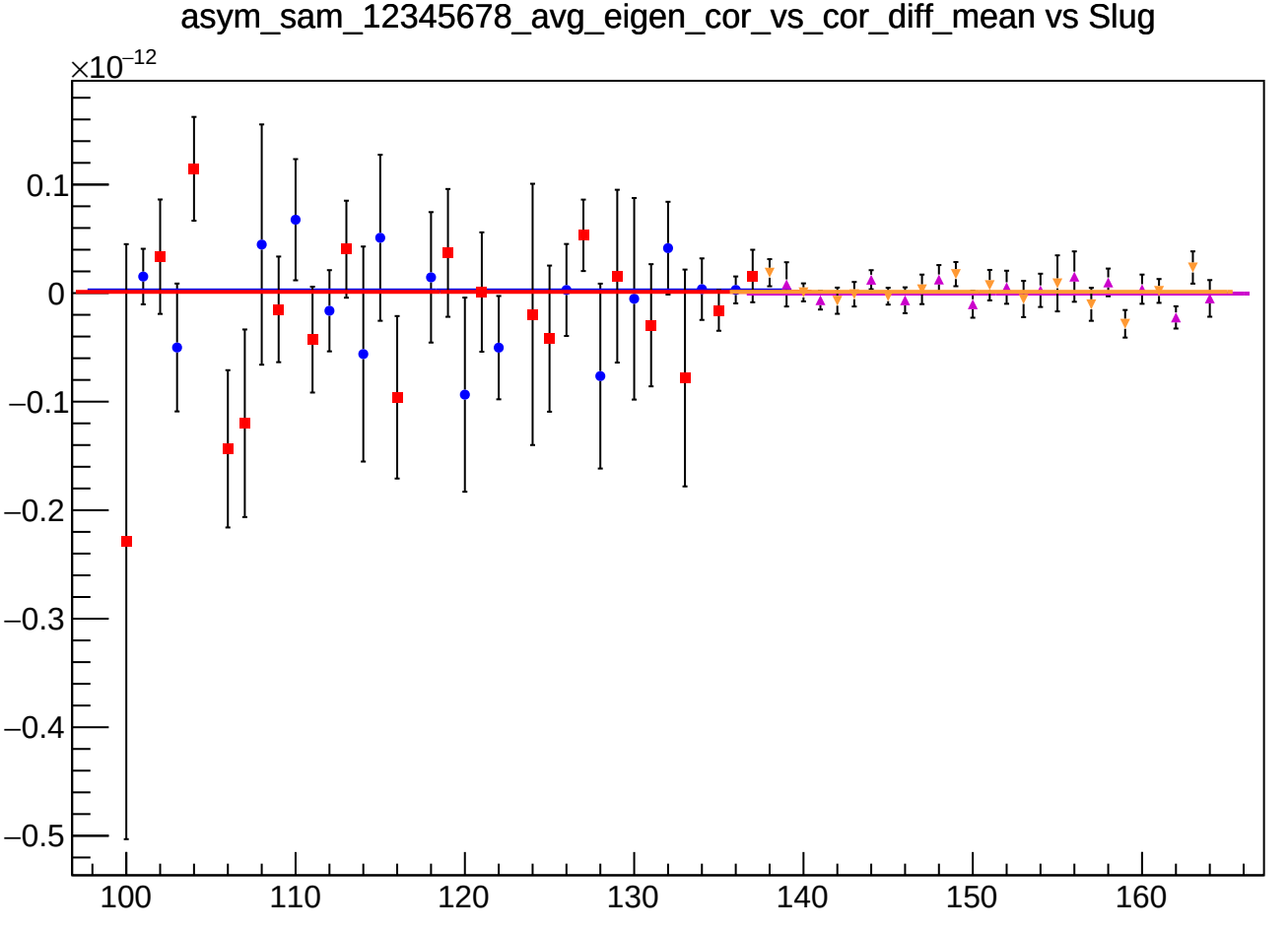
+ sign 35.675+/-0.006 χ^2/NDF: 1197529.3/29

All: 34.869+/-0.004 χ^2/NDF: 2848964.5/61

- 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: 0.014+/-0.011 χ²/NDF:24.2/13
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.005+/-0.011 χ²/NDF:19.1/12
+ sign 0.015+/-0.009 χ²/NDF: 39.0/29
All: 0.011+/-0.006 χ²/NDF: 73.7/61
- 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: 36.622+/-0.008 χ²/NDF:797275.8/13
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.169+/-0.008 χ²/NDF:975560.6/12
+ sign 35.675+/-0.006 χ²/NDF: 1197529.3/29
All: 34.869+/-0.004 χ²/NDF: 2848964.5/61
- 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:13.6/13

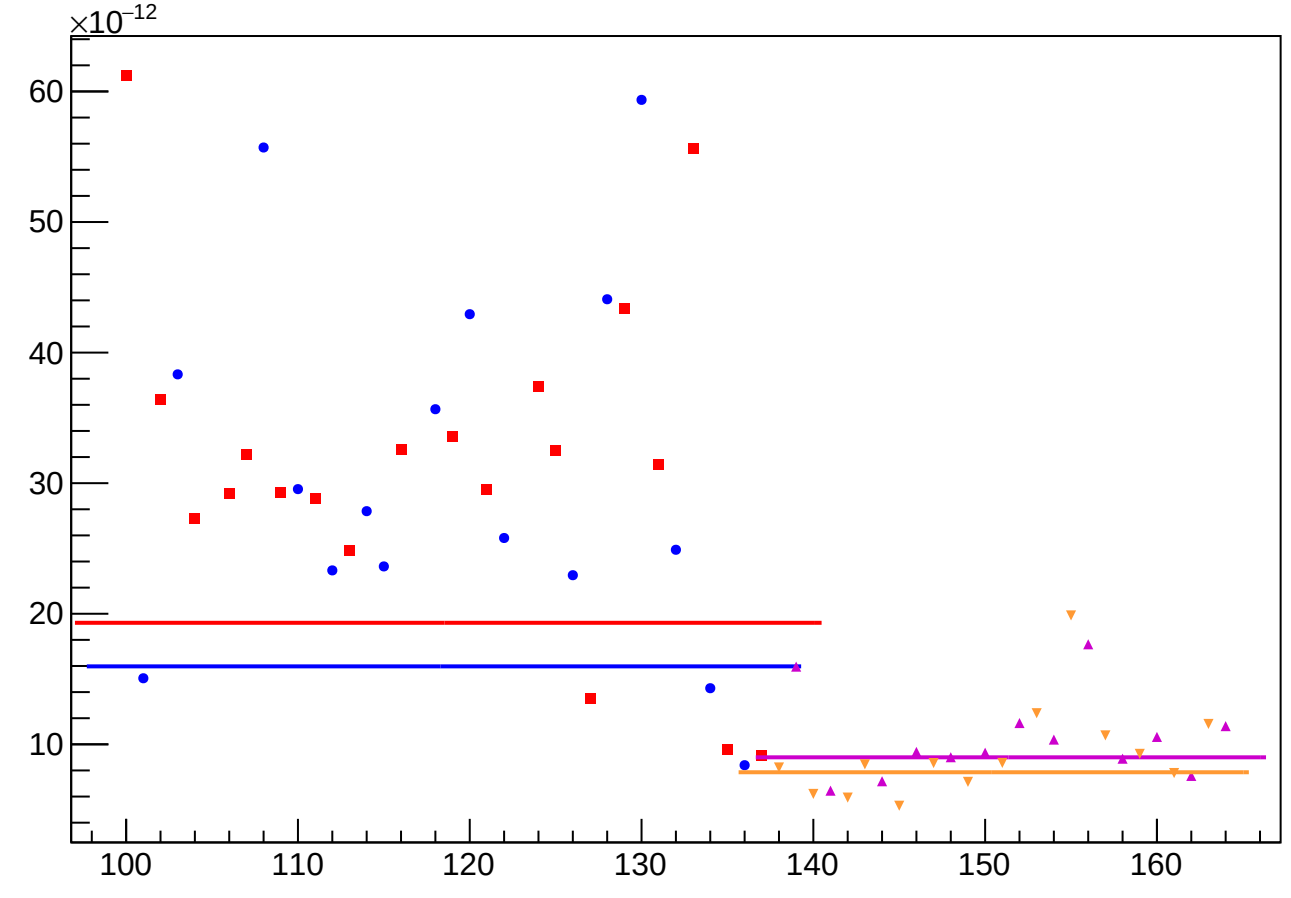
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/29

All: 0.000+/-0.000 χ^2/NDF: 53.6/61

- sign -0.000+/-0.000 χ^2/NDF: 32.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1173685.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

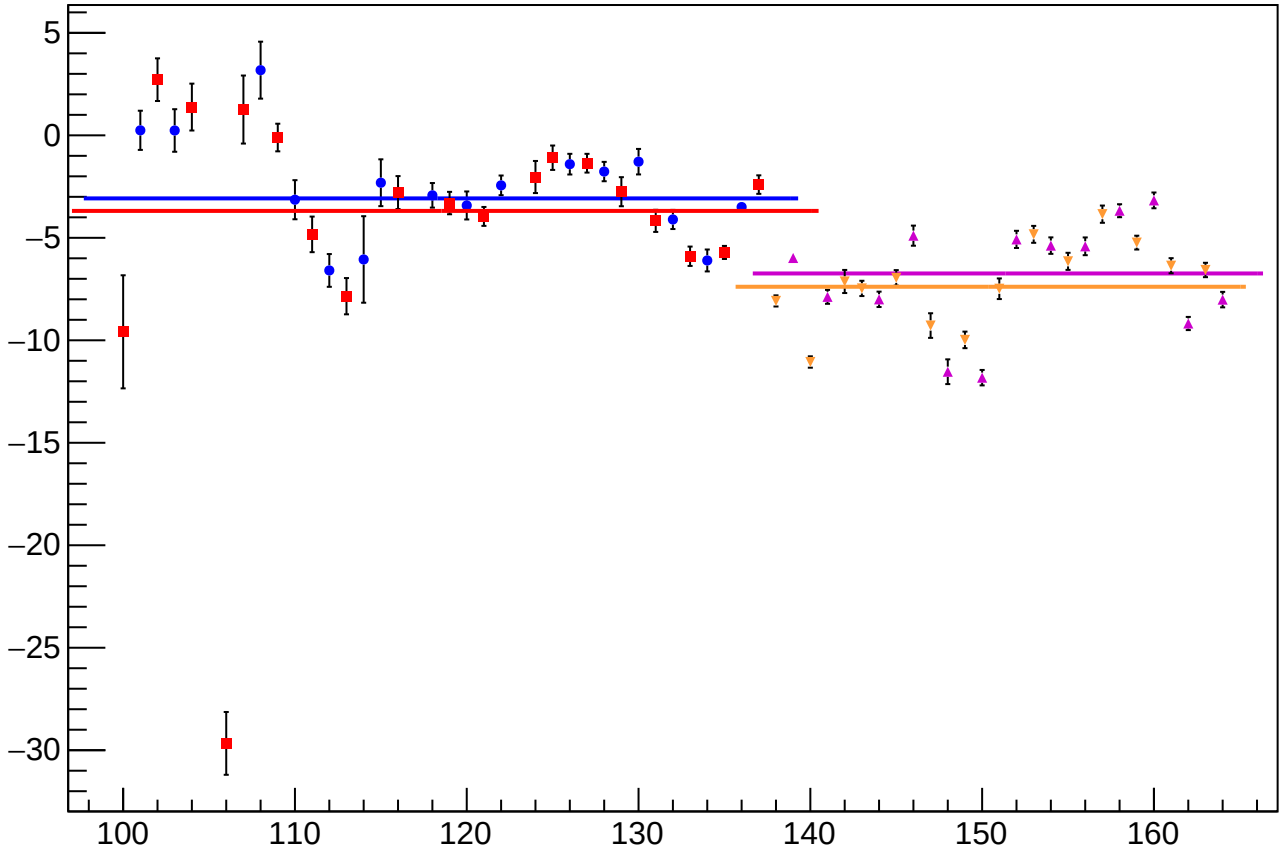
Left In: 0.000+/-0.000 χ^2/NDF:956873.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 5523135.2/29

All: 0.000+/-0.000 χ^2/NDF: 10910082.2/61

- sign 0.000+/-0.000 χ^2/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: -7.388+/-0.101 χ^2/NDF:406.2/13

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

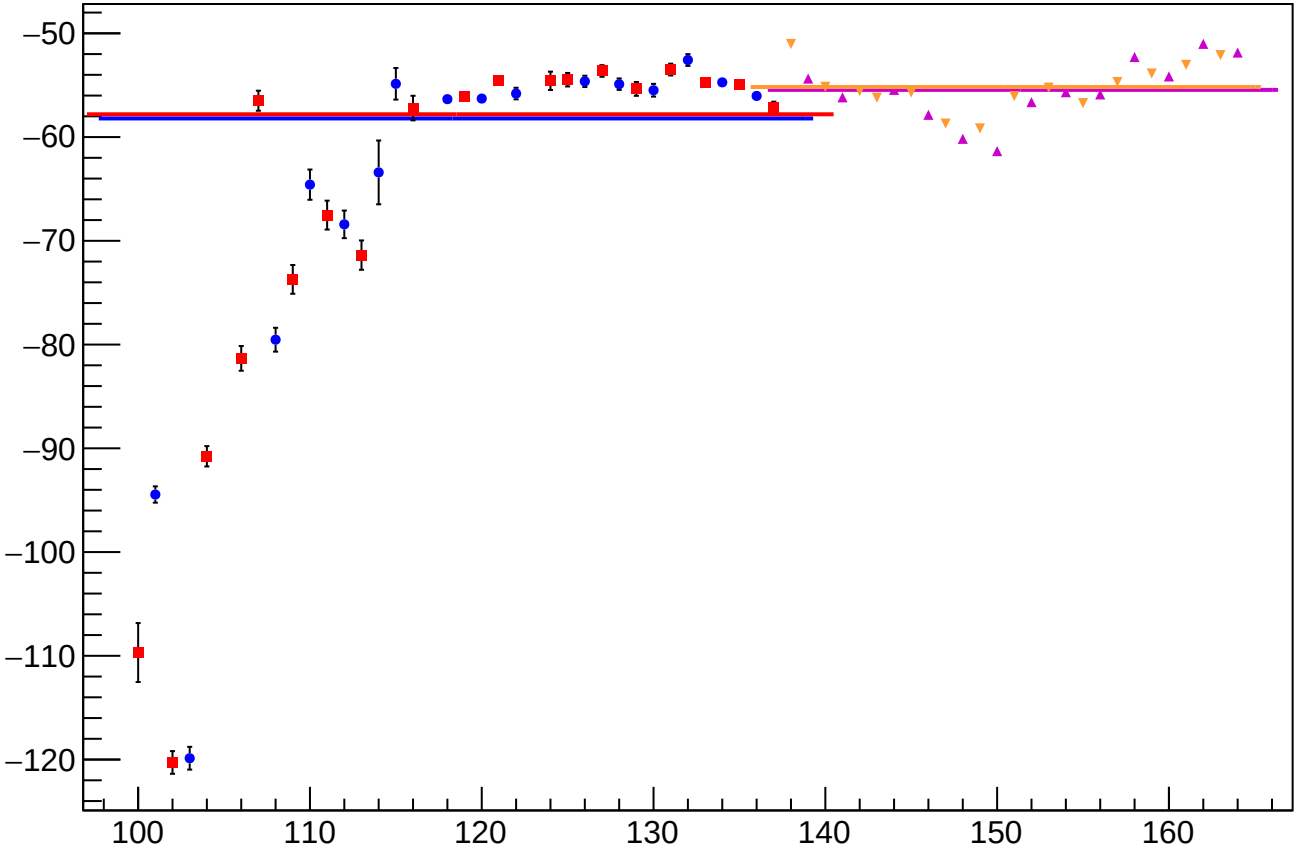
Left In: -6.739+/-0.101 χ^2/NDF:577.1/12

+ sign -5.847+/-0.081 χ^2/NDF: 1193.0/29

All: -5.772+/-0.058 χ^2/NDF: 2618.3/61

- 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: -55.174+/-0.073 χ^2/NDF:881.3/13

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

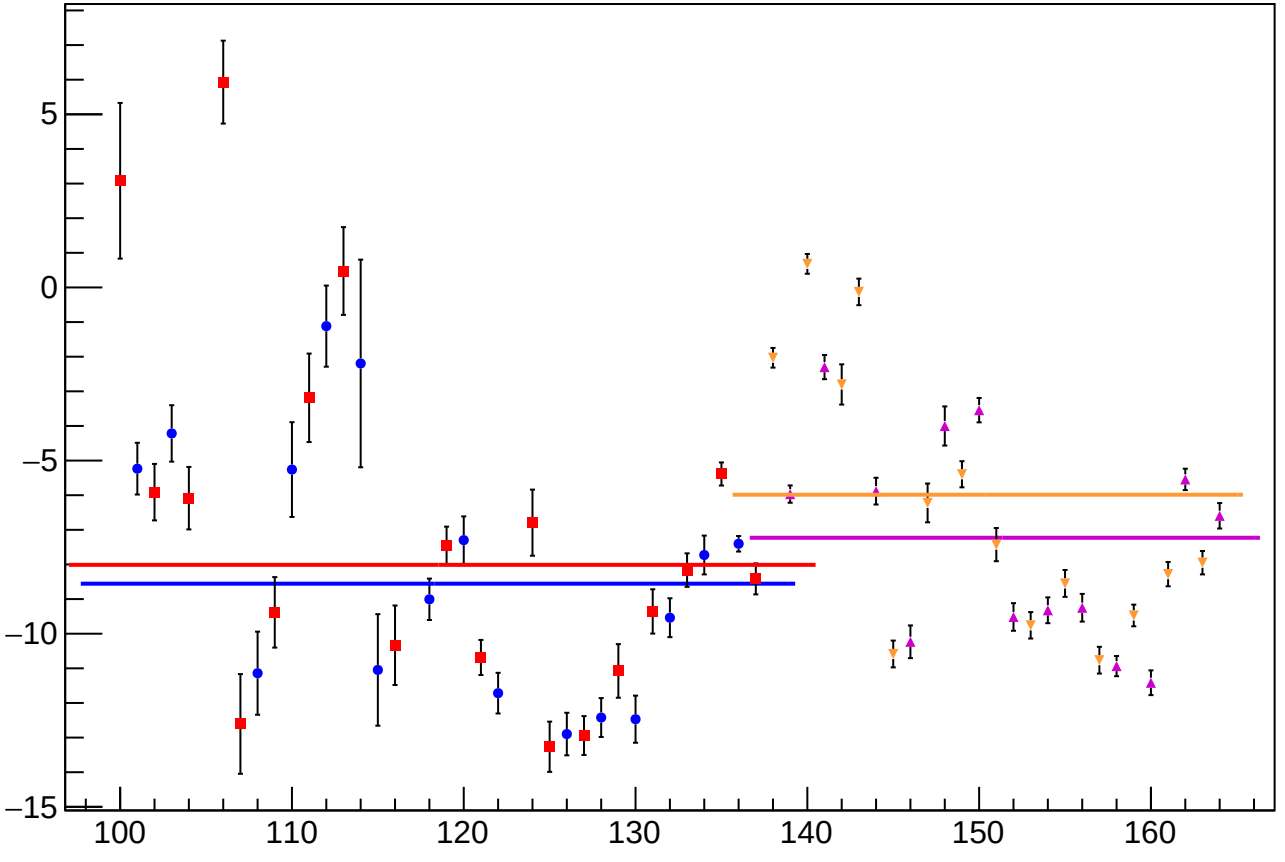
Left In: -55.451+/-0.076 χ^2/NDF:1593.6/12

+ sign -55.863+/-0.065 χ^2/NDF: 7394.3/29

All: -55.927+/-0.046 χ^2/NDF: 15004.5/61

- 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: -5.986+/-0.099 χ^2/NDF:1650.9/13

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

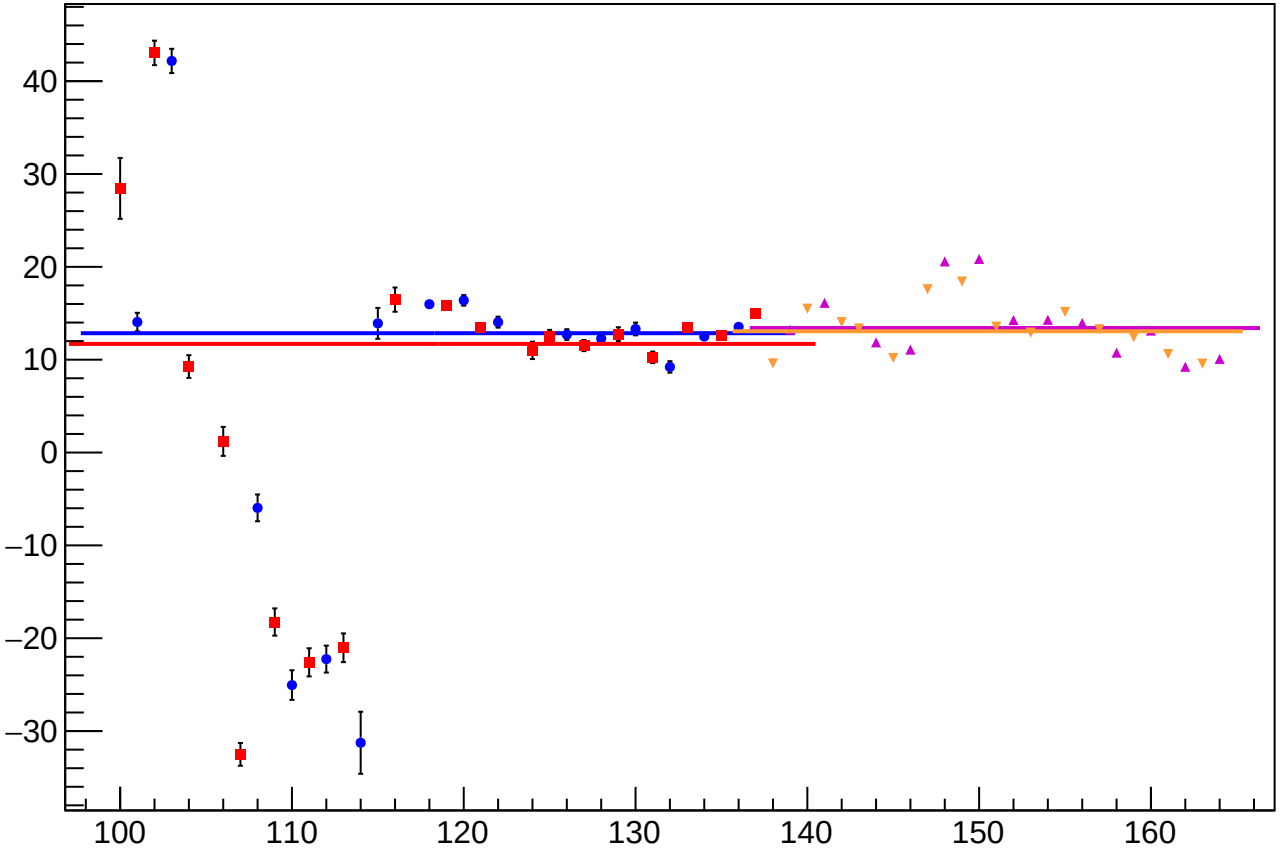
Left In: -7.229+/-0.098 χ^2/NDF:841.3/12

+ sign -6.800+/-0.081 χ^2/NDF: 2166.9/29

All: -7.124+/-0.058 χ^2/NDF: 3548.2/61

- 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: 13.065+/-0.084 χ^2/NDF:990.7/13

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

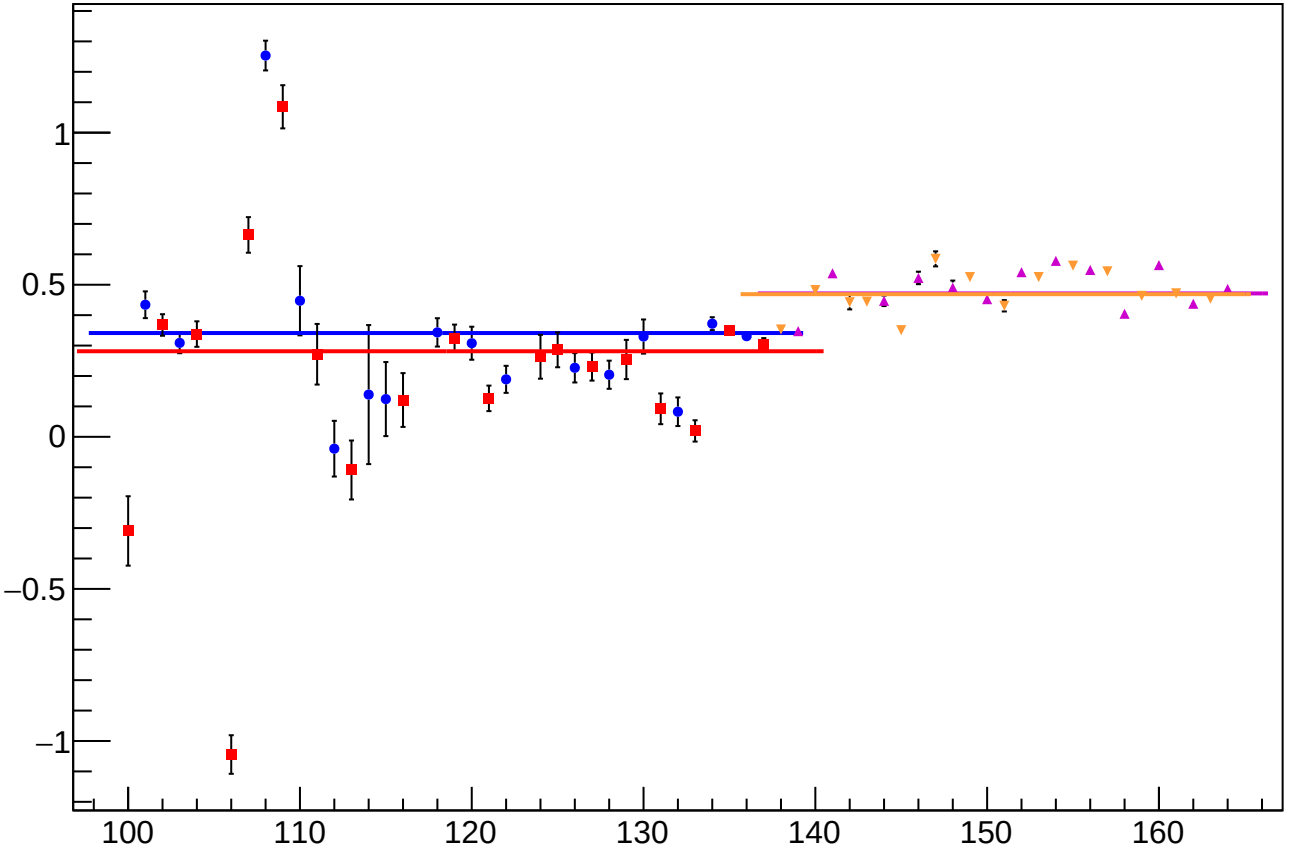
Left In: 13.408+/-0.085 χ^2/NDF:1630.2/12

\+ sign 13.015+/-0.073 χ^2/NDF: 3120.7/29

All: 13.013+/-0.052 χ^2/NDF: 8342.9/61

\- 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: 0.469+/-0.004 χ^2/NDF:323.4/13

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

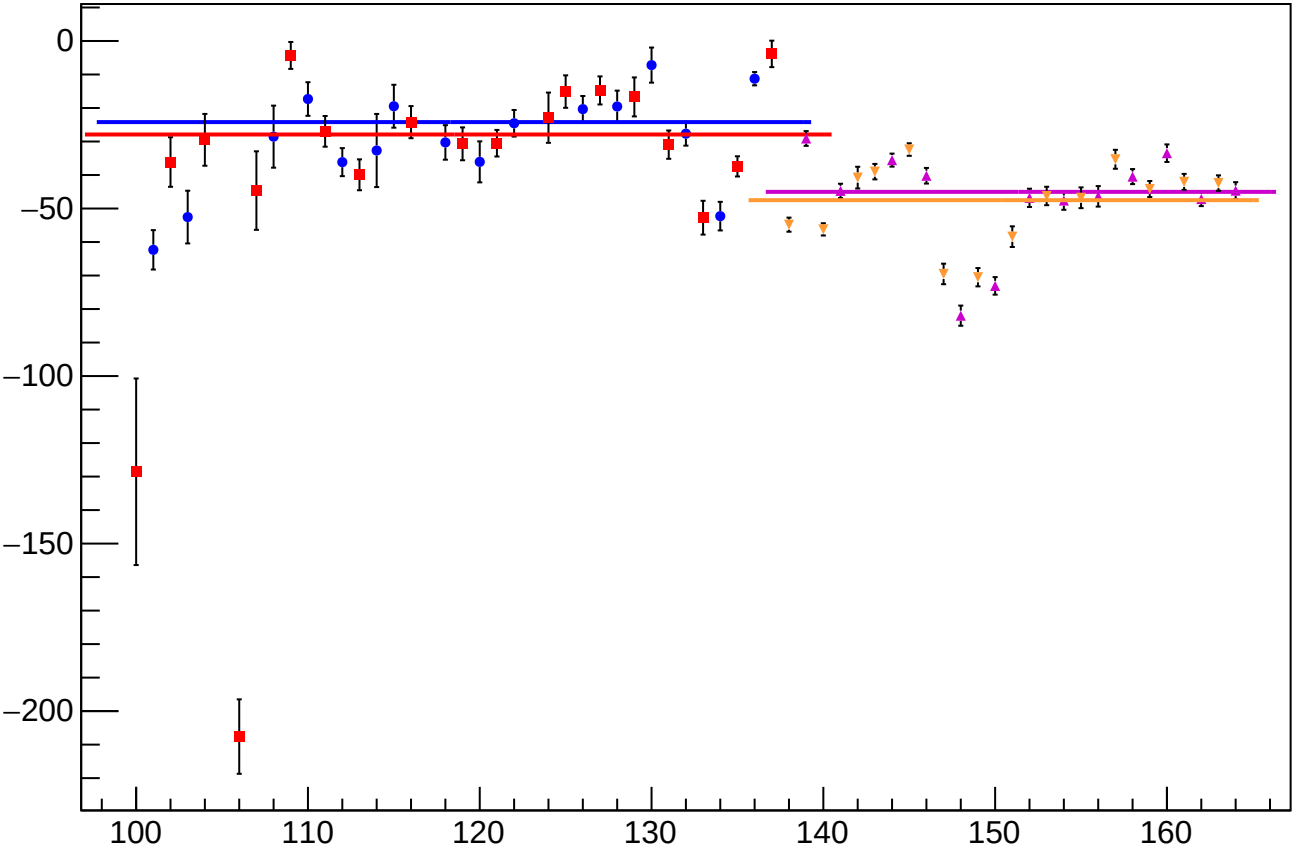
Left In: 0.471+/-0.004 χ^2/NDF:465.5/12

\+ sign 0.446+/-0.003 χ^2/NDF: 973.8/29

All: 0.444+/-0.002 χ^2/NDF: 2643.2/61

\- 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: -47.512+/-0.654 χ^2/NDF:283.4/13

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

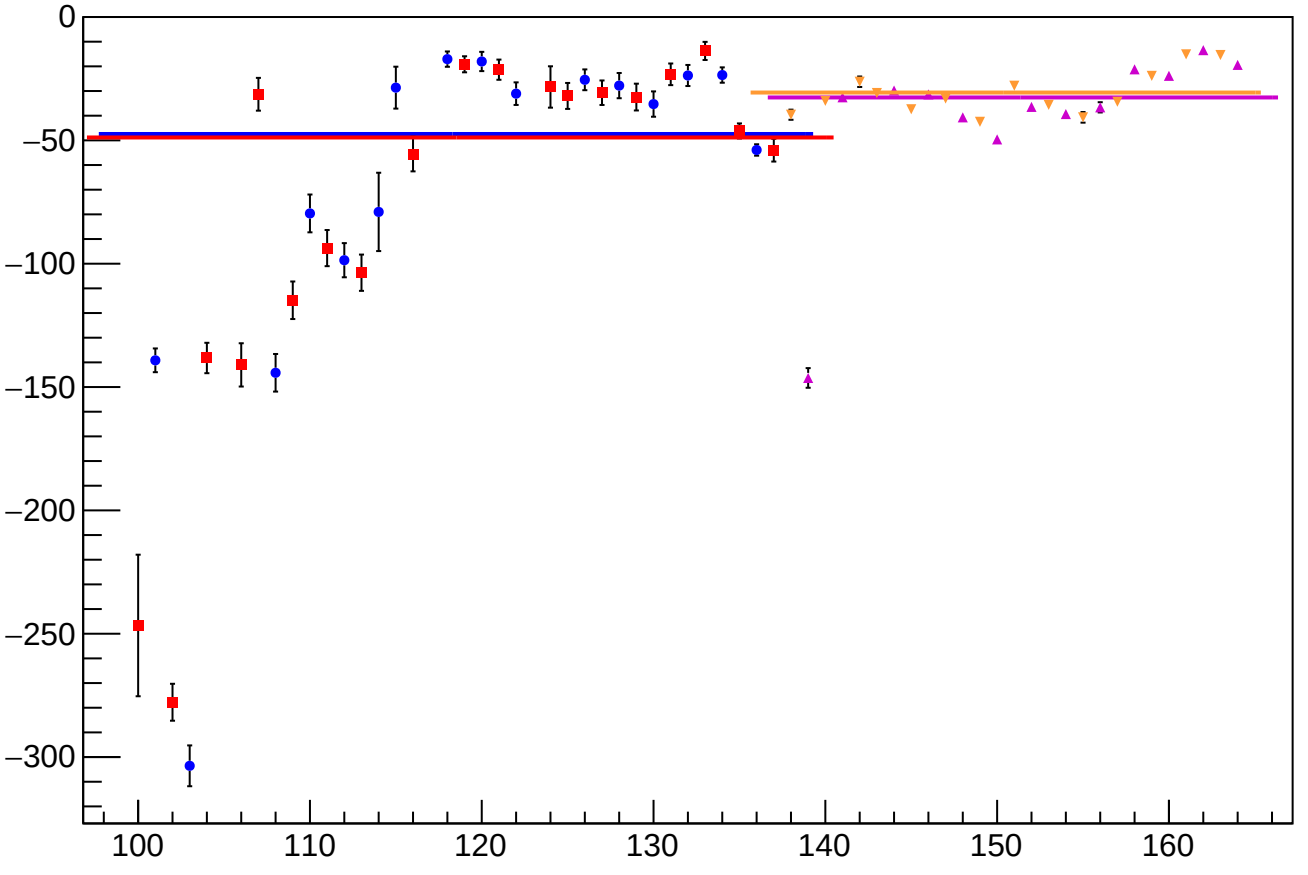
Left In: -45.029+/-0.670 χ^2/NDF:372.4/12

+ sign -41.309+/-0.560 χ^2/NDF: 792.0/29

All: -40.972+/-0.402 χ^2/NDF: 1746.8/61

- 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: -30.613+/-0.458 χ^2/NDF:330.6/13

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

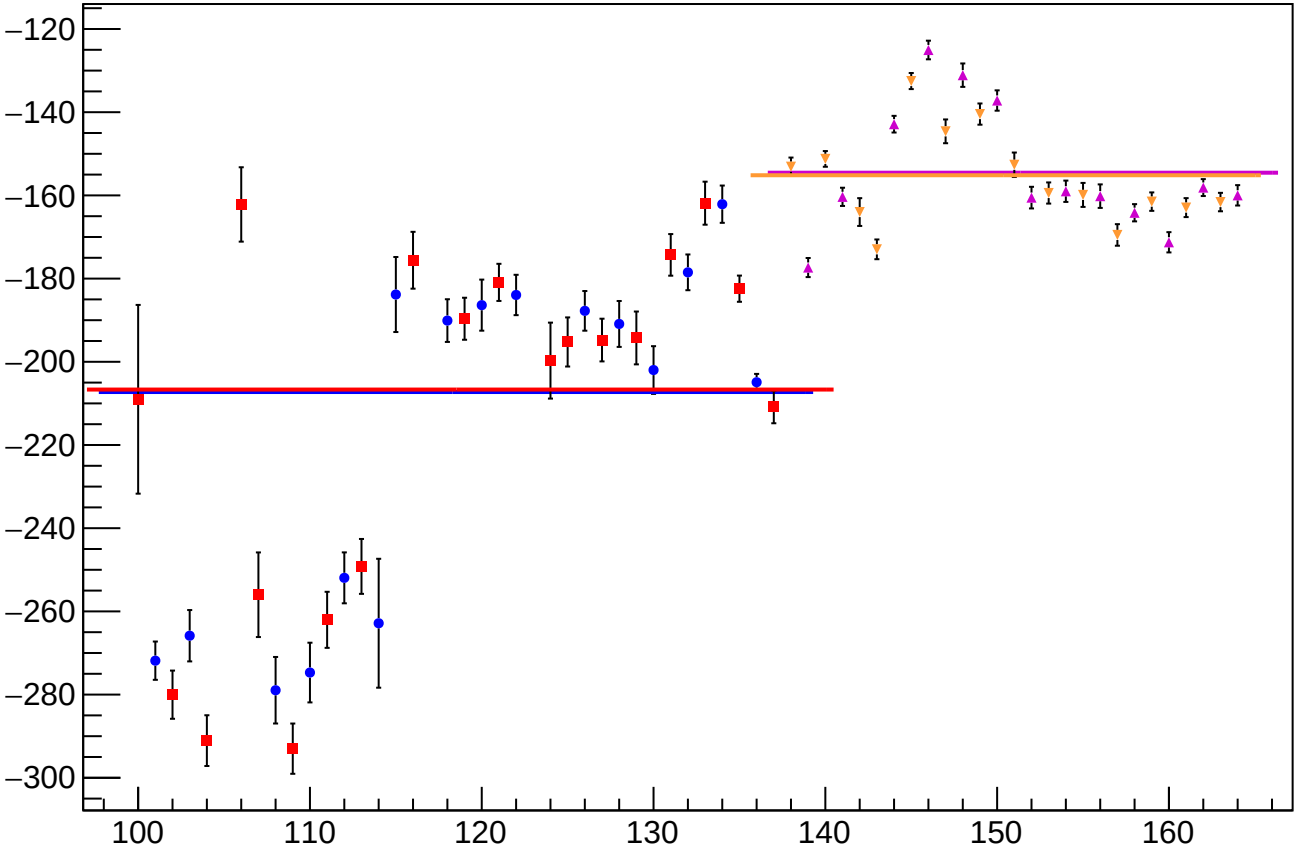
Left In: -32.612+/-0.470 χ^2/NDF:1233.5/12

+ sign -33.090+/-0.423 χ^2/NDF: 2402.8/29

All: -33.928+/-0.304 χ^2/NDF: 5581.6/61

- 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: -155.156+/-0.640 χ^2/NDF:317.7/13

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

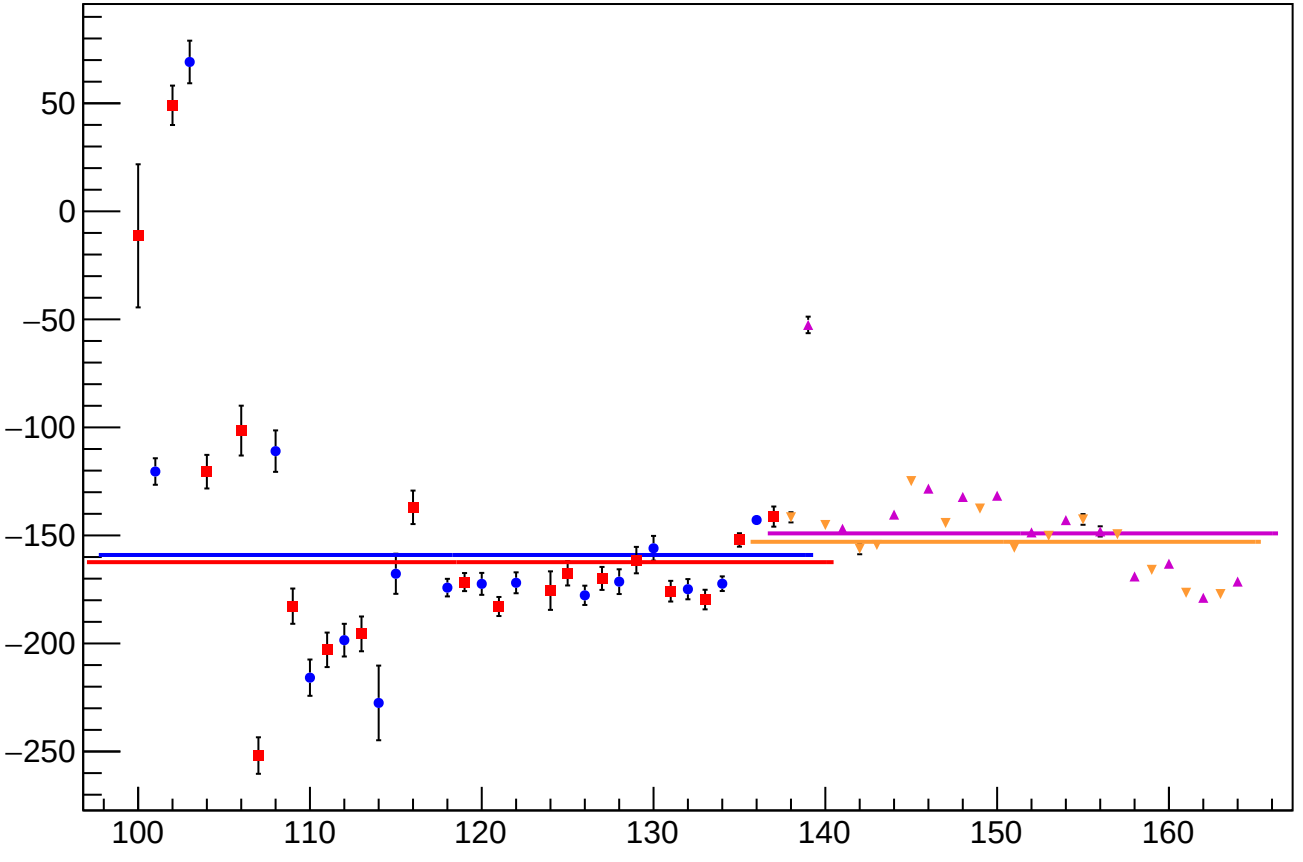
Left In: -154.544+/-0.649 χ^2/NDF:521.7/12

+ sign -167.039+/-0.563 χ^2/NDF: 2575.9/29

All: -166.149+/-0.403 χ^2/NDF: 5392.7/61

- 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: -152.948+/-0.532 χ^2/NDF:844.1/13

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

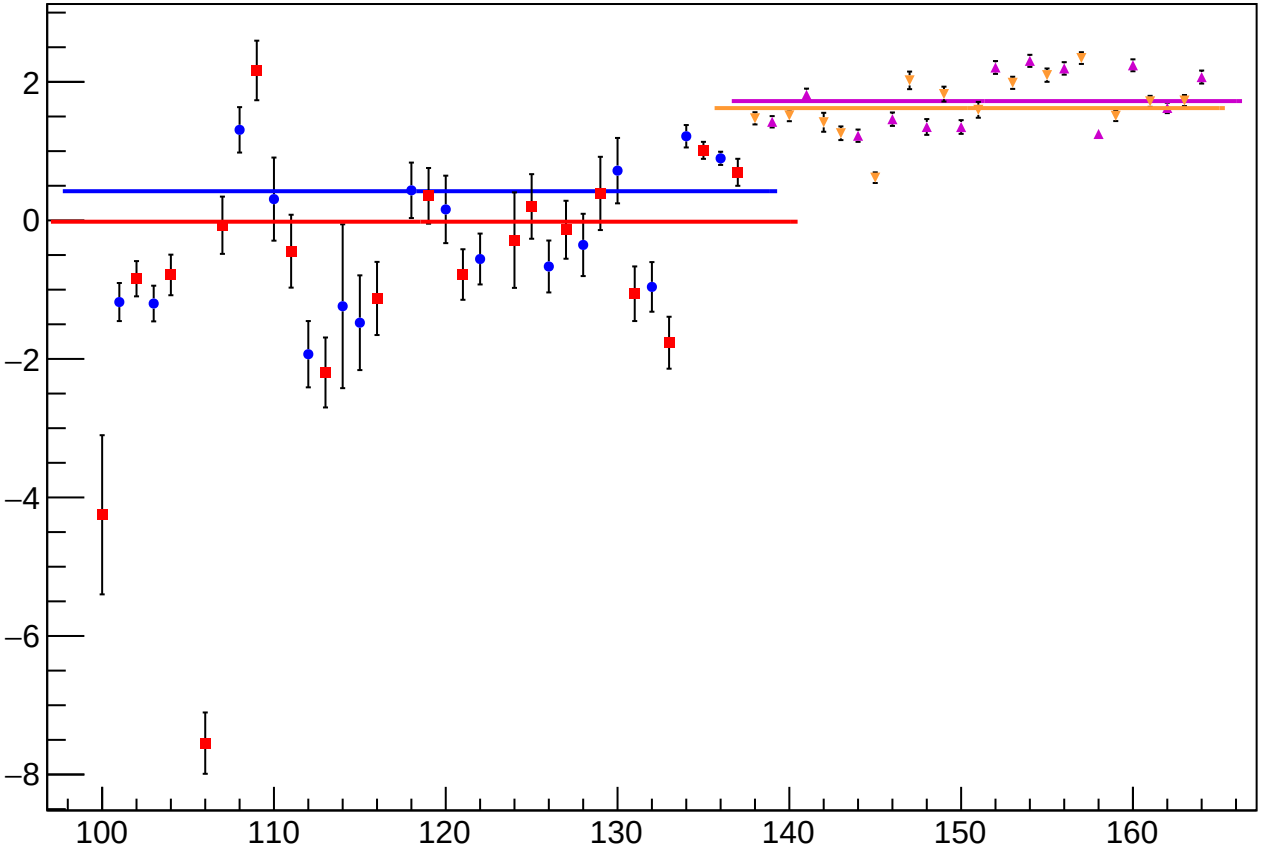
Left In: -149.056+/-0.541 χ^2/NDF:1602.6/12

+ sign -153.914+/-0.488 χ^2/NDF: 1680.7/29

All: -152.477+/-0.349 χ^2/NDF: 4260.4/61

- 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: 1.621+/-0.024 χ^2/NDF:325.0/13

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

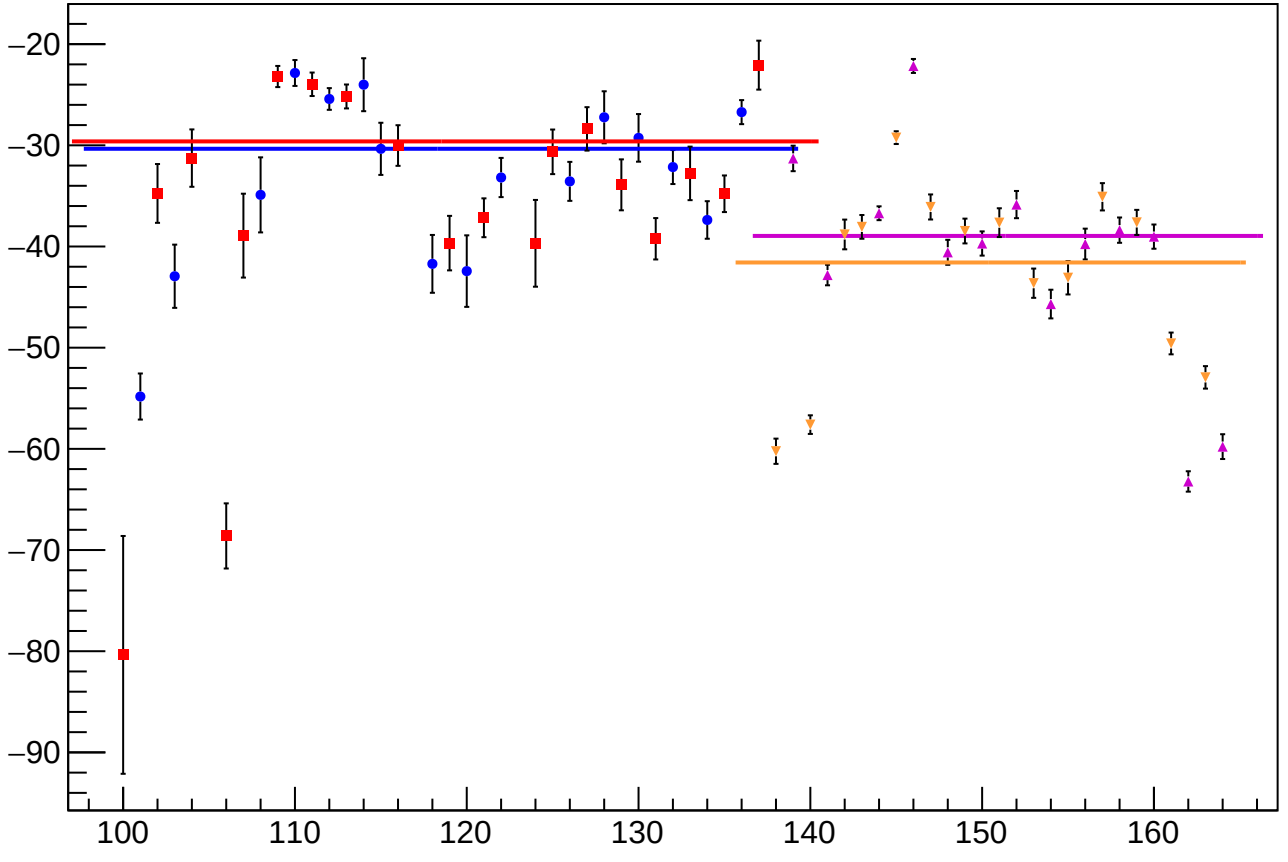
Left In: 1.722+/-0.024 χ^2/NDF:272.0/12

+ sign 1.473+/-0.023 χ^2/NDF: 822.9/29

All: 1.508+/-0.016 χ^2/NDF: 2108.2/61

- 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: -41.579+/-0.301 χ^2/NDF:1150.3/13

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

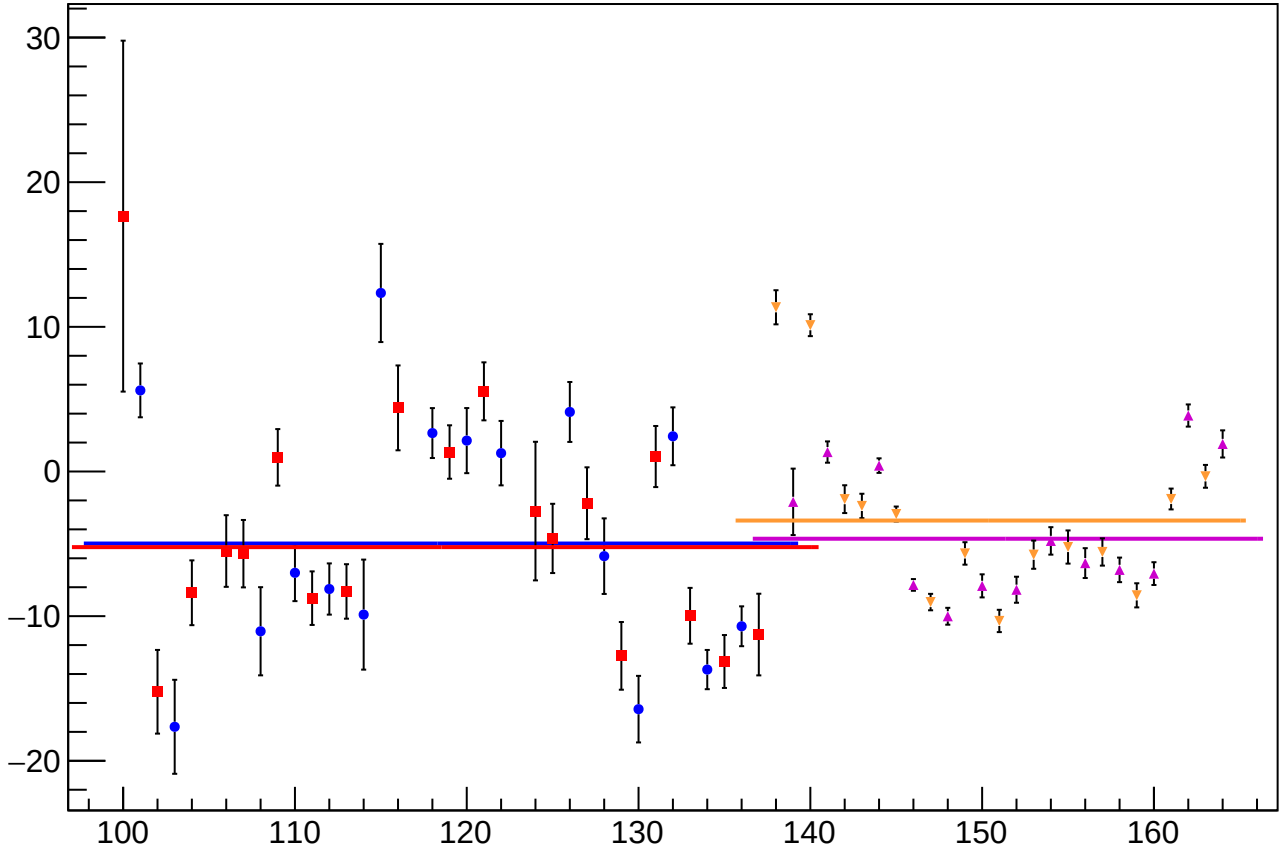
Left In: -38.955+/-0.293 χ^2/NDF:1552.0/12

+ sign -38.292+/-0.253 χ^2/NDF: 1812.1/29

All: -37.204+/-0.176 χ^2/NDF: 4031.5/61

- 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+/-0.208 χ^2/NDF:738.9/13

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

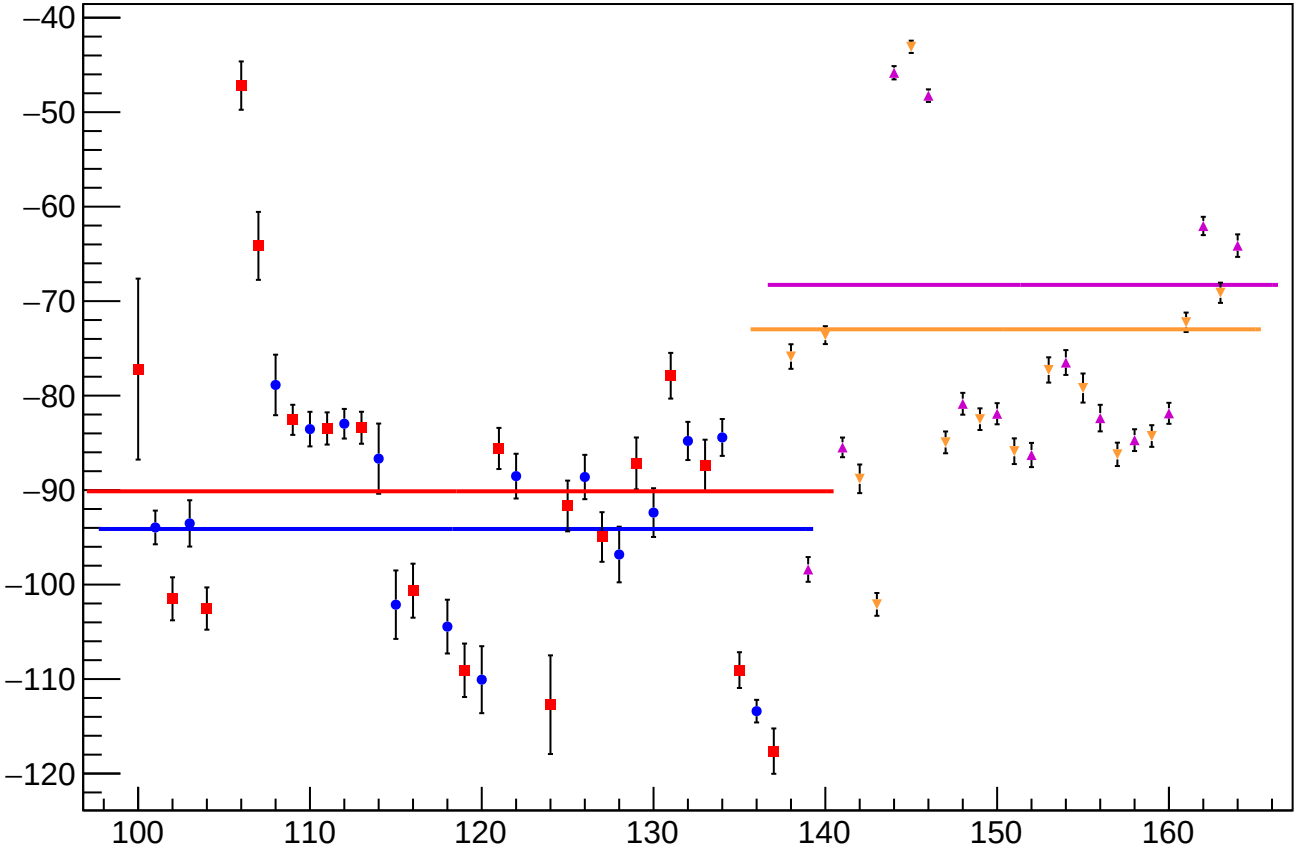
Left In: -4.648+/-0.197 χ^2/NDF:537.6/12

+ sign -3.618+/-0.193 χ^2/NDF: 984.6/29

All: -4.193+/-0.133 χ^2/NDF: 1676.8/61

- 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: -72.983+/-0.295 χ^2/NDF:3327.8/13

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

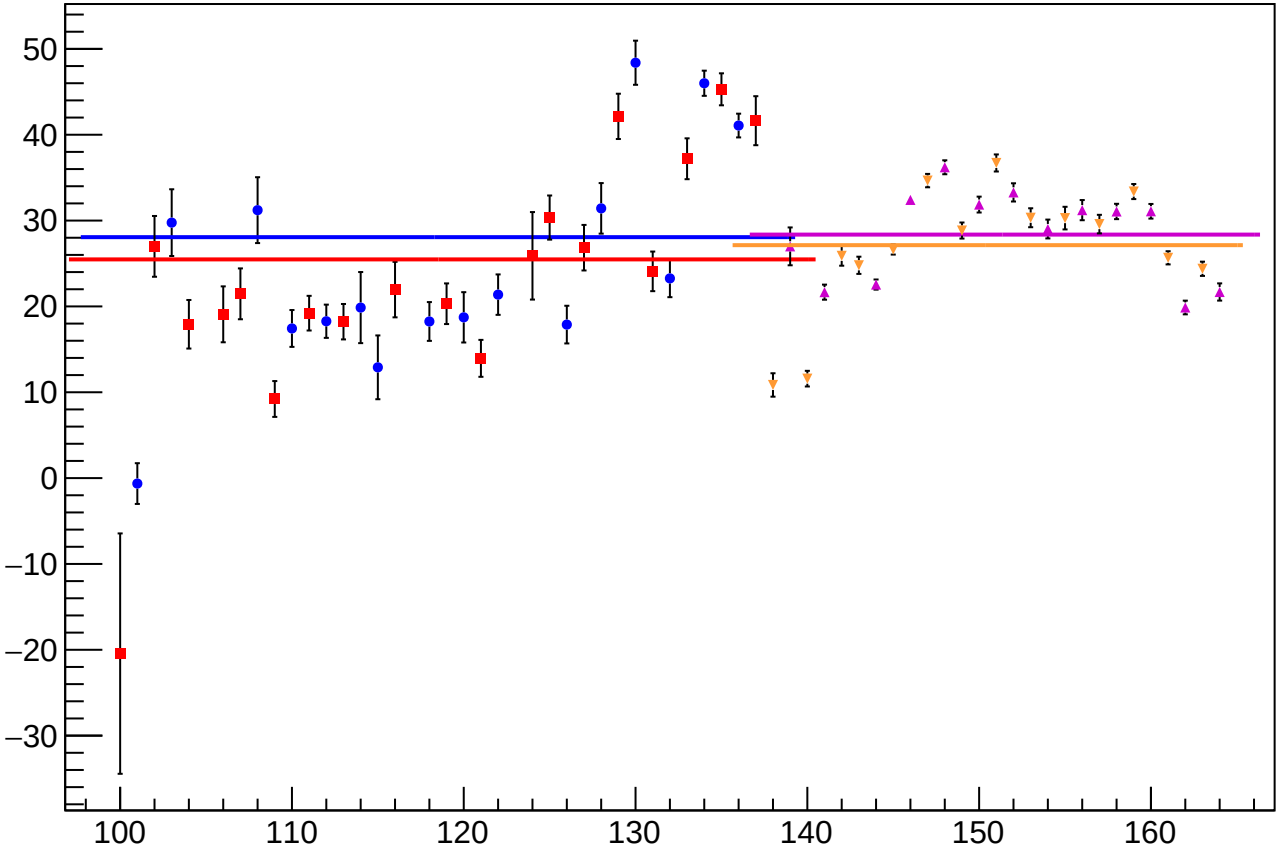
Left In: -68.281+/-0.285 χ^2/NDF:3732.4/12

+ sign -77.891+/-0.259 χ^2/NDF: 4983.5/29

All: -75.375+/-0.181 χ^2/NDF: 10959.5/61

- 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: 27.135+/-0.244 χ^2/NDF:714.2/13

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

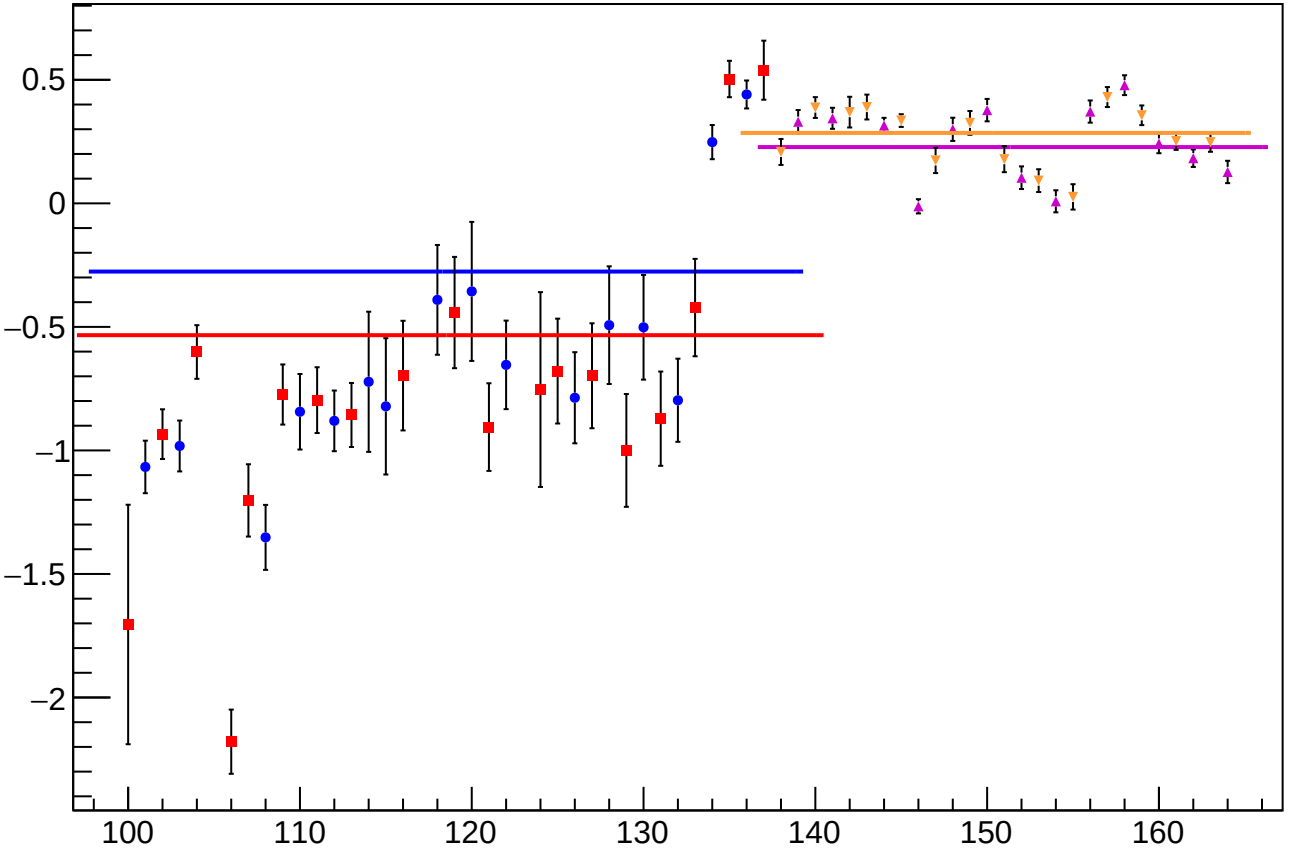
Left In: 28.366+/-0.232 χ^2/NDF:530.4/12

+ sign 27.280+/-0.224 χ^2/NDF: 1299.5/29

All: 27.642+/-0.156 χ^2/NDF: 2210.3/61

- 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: 0.285+/-0.011 χ^2/NDF:88.3/13

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

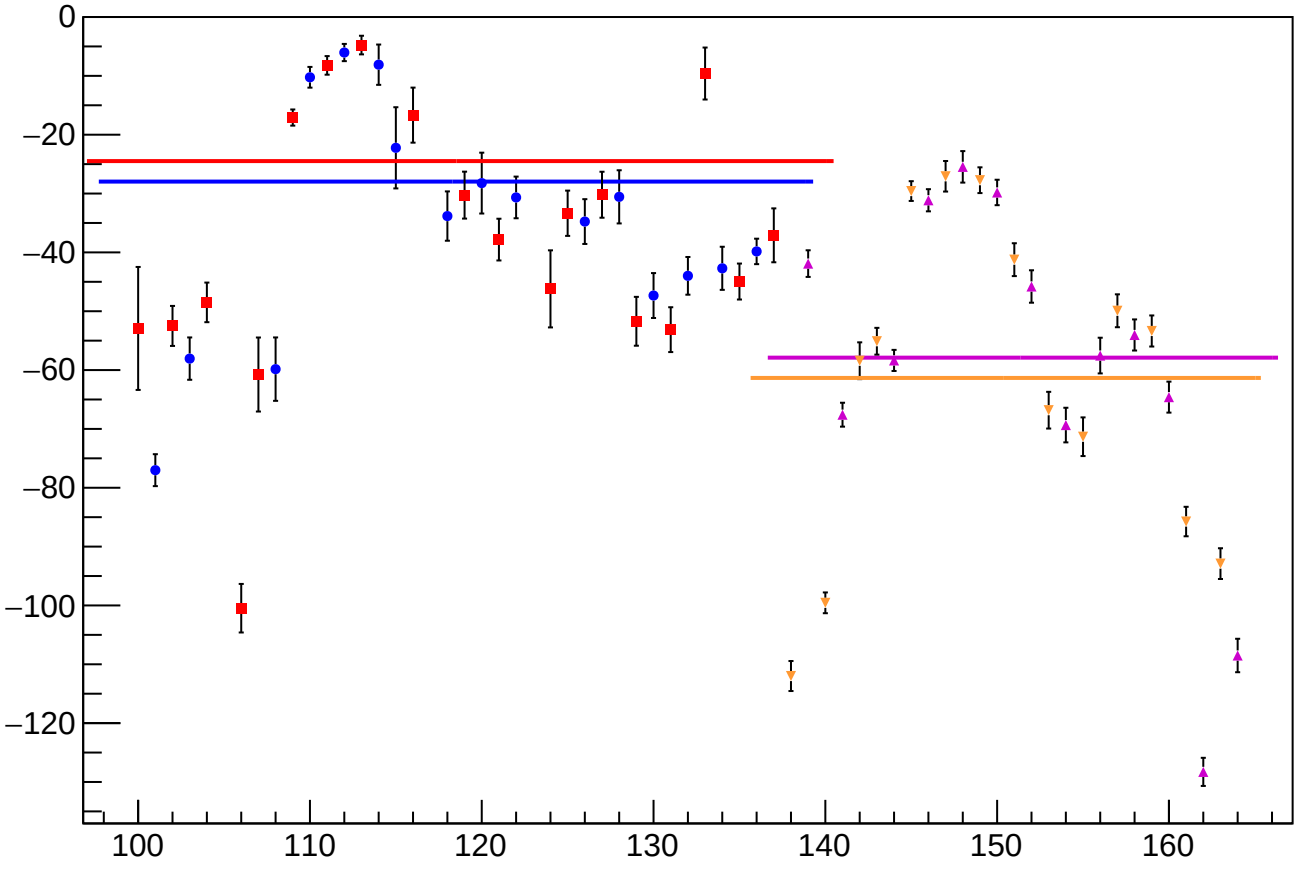
Left In: 0.228+/-0.011 χ^2/NDF:189.8/12

+ sign 0.218+/-0.011 χ^2/NDF: 839.0/29

All: 0.184+/-0.007 χ^2/NDF: 2042.0/61

- 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: -61.337+/-0.648 χ^2/NDF:1969.9/13

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

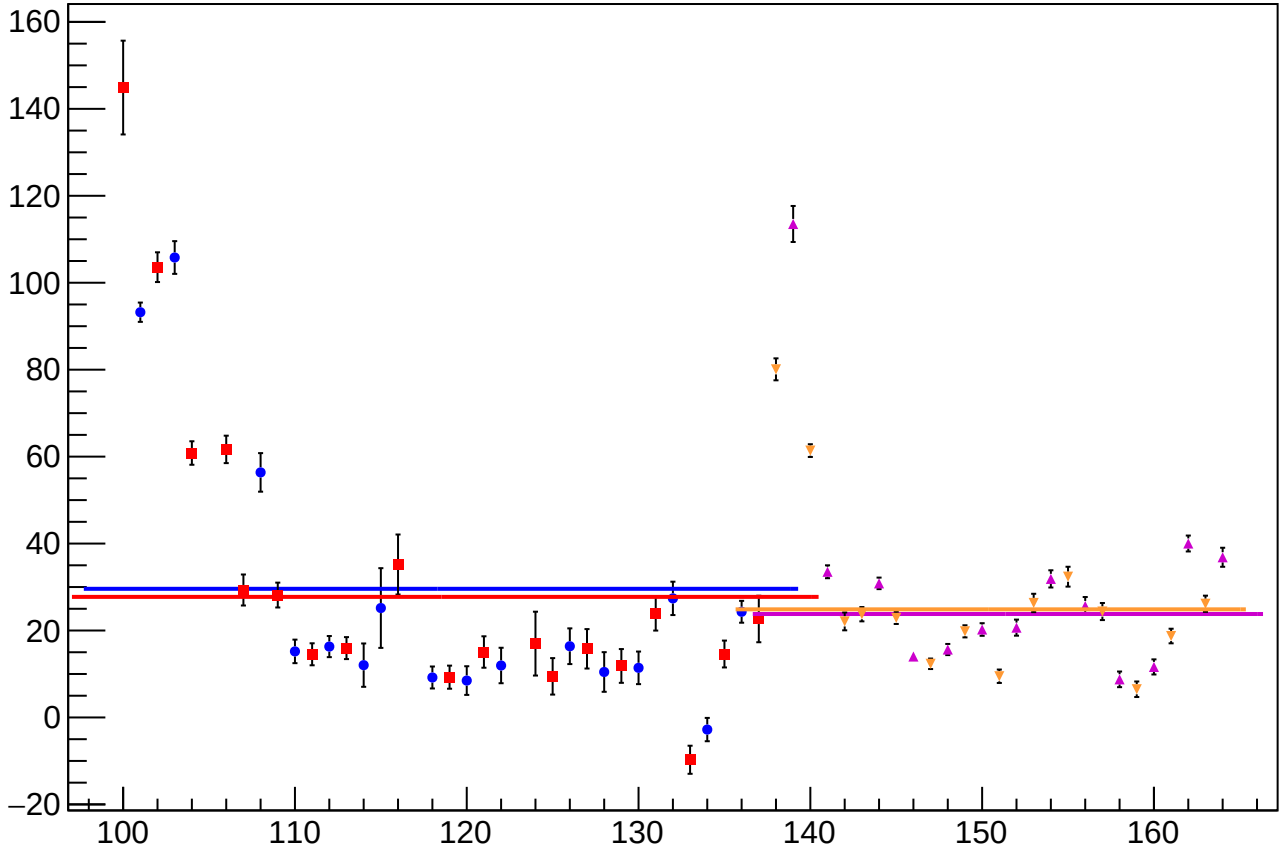
Left In: -57.889+/-0.656 χ^2/NDF:1817.9/12

+ sign -46.580+/-0.484 χ^2/NDF: 4037.8/29

All: -43.878+/-0.336 χ^2/NDF: 8189.2/61

- 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: 24.871+/-0.448 χ^2/NDF:1453.2/13

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

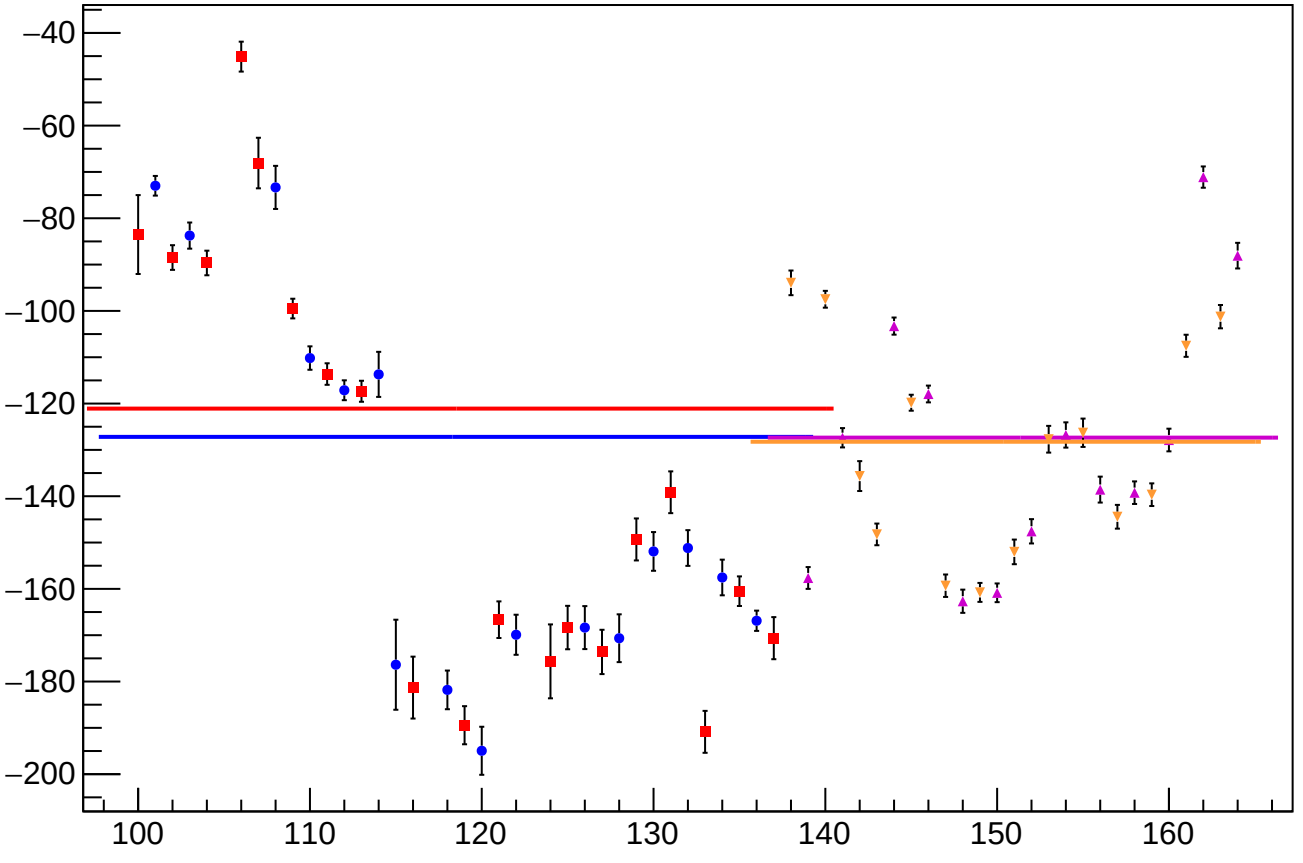
Left In: 23.796+/-0.454 χ^2/NDF:912.7/12

+ sign 25.982+/-0.392 χ^2/NDF: 3145.0/29

All: 25.376+/-0.278 χ^2/NDF: 5266.1/61

- 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: -128.239+/-0.634 χ^2/NDF:1305.2/13

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

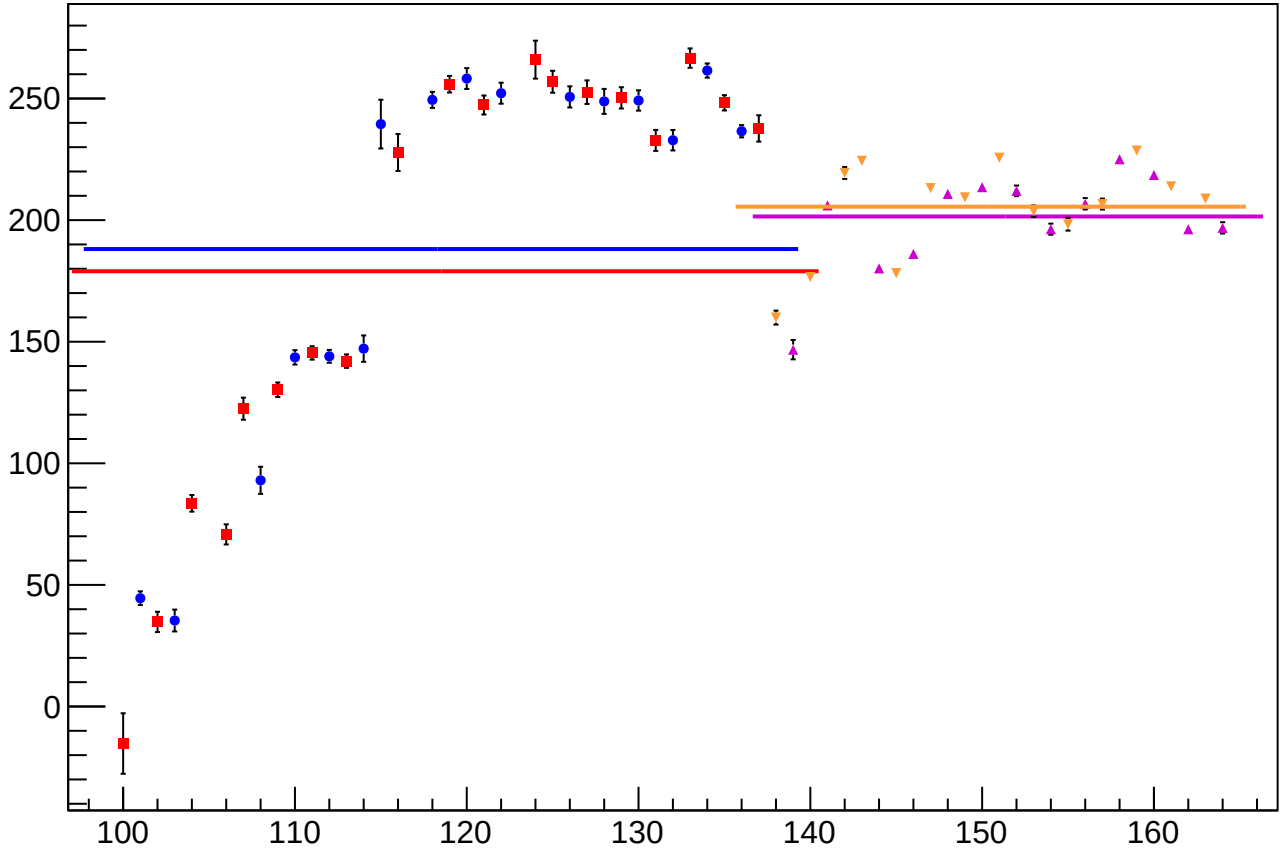
Left In: -127.353+/-0.636 χ^2/NDF:1735.2/12

+ sign -127.852+/-0.503 χ^2/NDF: 3484.3/29

All: -126.367+/-0.354 χ^2/NDF: 7671.7/61

- 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: 205.529+/-0.526 χ^2/NDF:1252.5/13

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

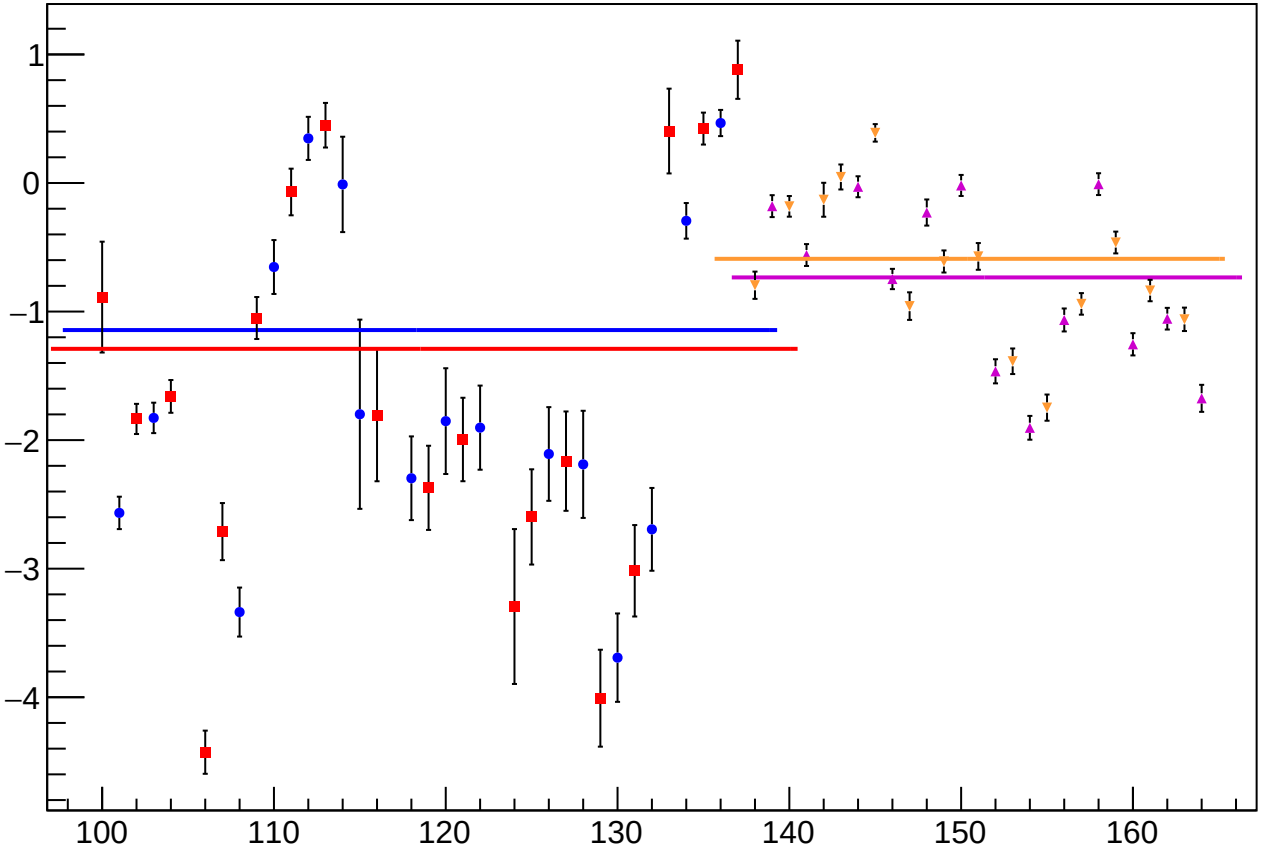
Left In: 201.500+/-0.529 χ^2/NDF:864.0/12

\+ sign 201.230+/-0.456 χ^2/NDF: 8642.4/29

All: 198.517+/-0.323 χ^2/NDF: 16705.7/61

\- 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: -0.590+/-0.024 χ^2/NDF:551.3/13

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

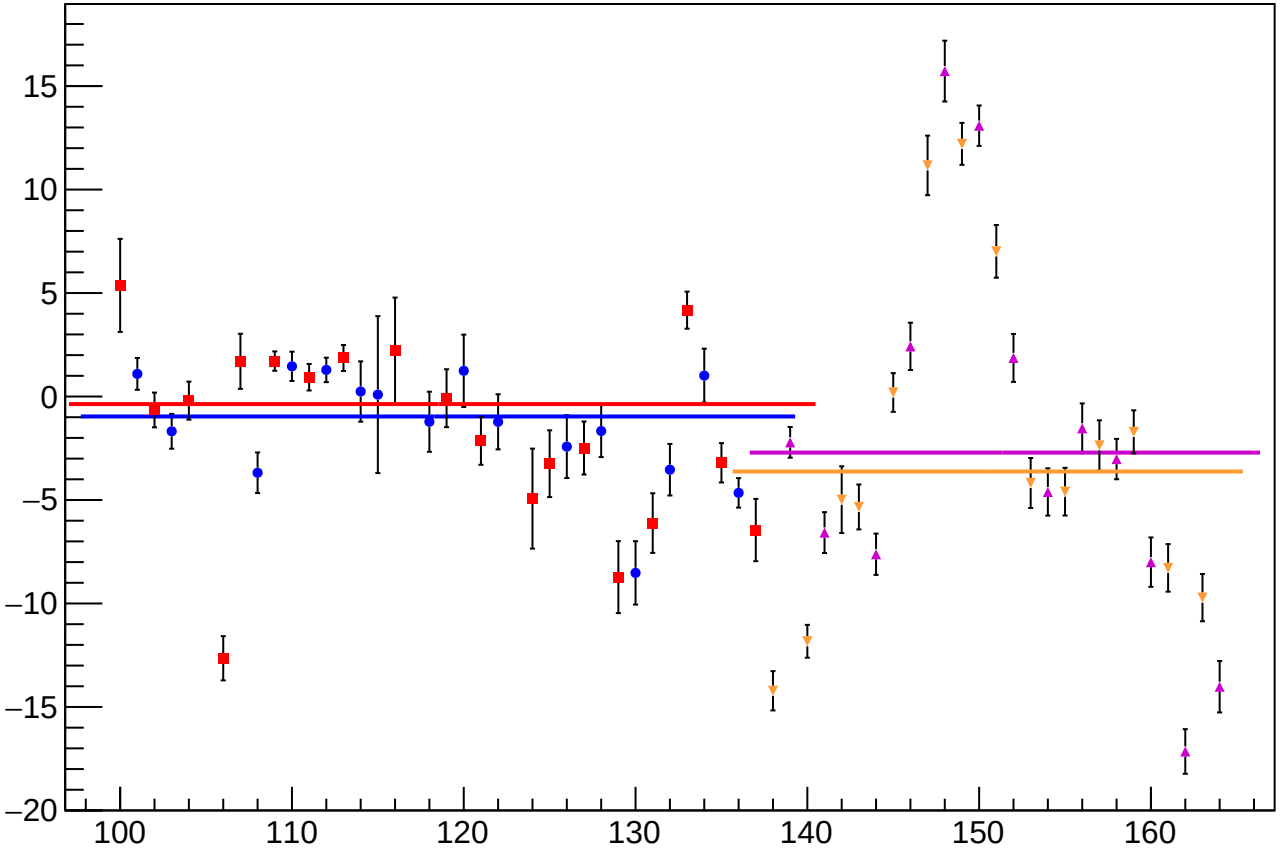
Left In: -0.734+/-0.024 χ^2/NDF:660.3/12

+ sign -0.703+/-0.022 χ^2/NDF: 1444.6/29

All: -0.777+/-0.015 χ^2/NDF: 3234.5/61

- 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: -3.622+/-0.292 χ^2/NDF:721.4/13

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

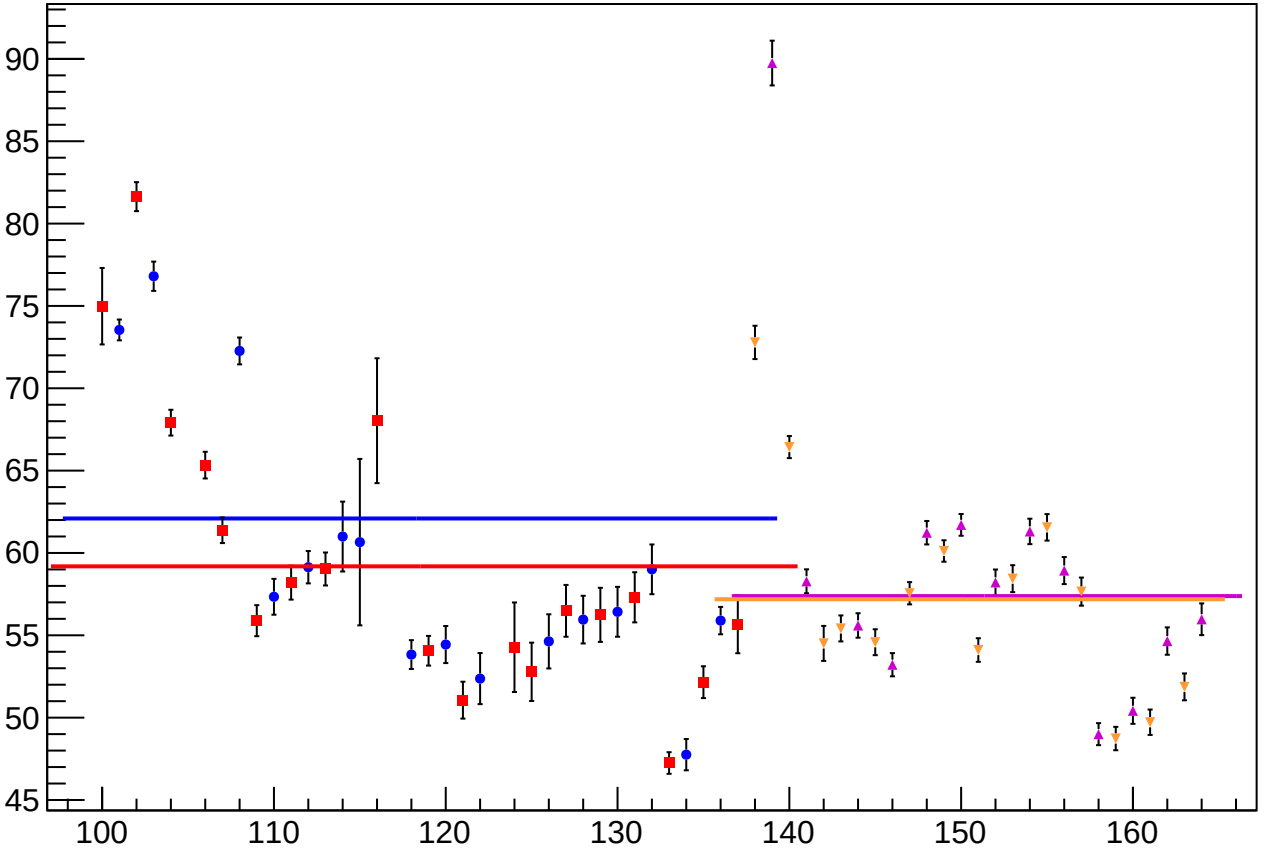
Left In: -2.709+/-0.294 χ^2/NDF:780.3/12

+ sign -2.104+/-0.191 χ^2/NDF: 871.8/29

All: -1.633+/-0.130 χ^2/NDF: 1984.3/61

- 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: 57.190+/-0.207 χ^2/NDF:799.9/13

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

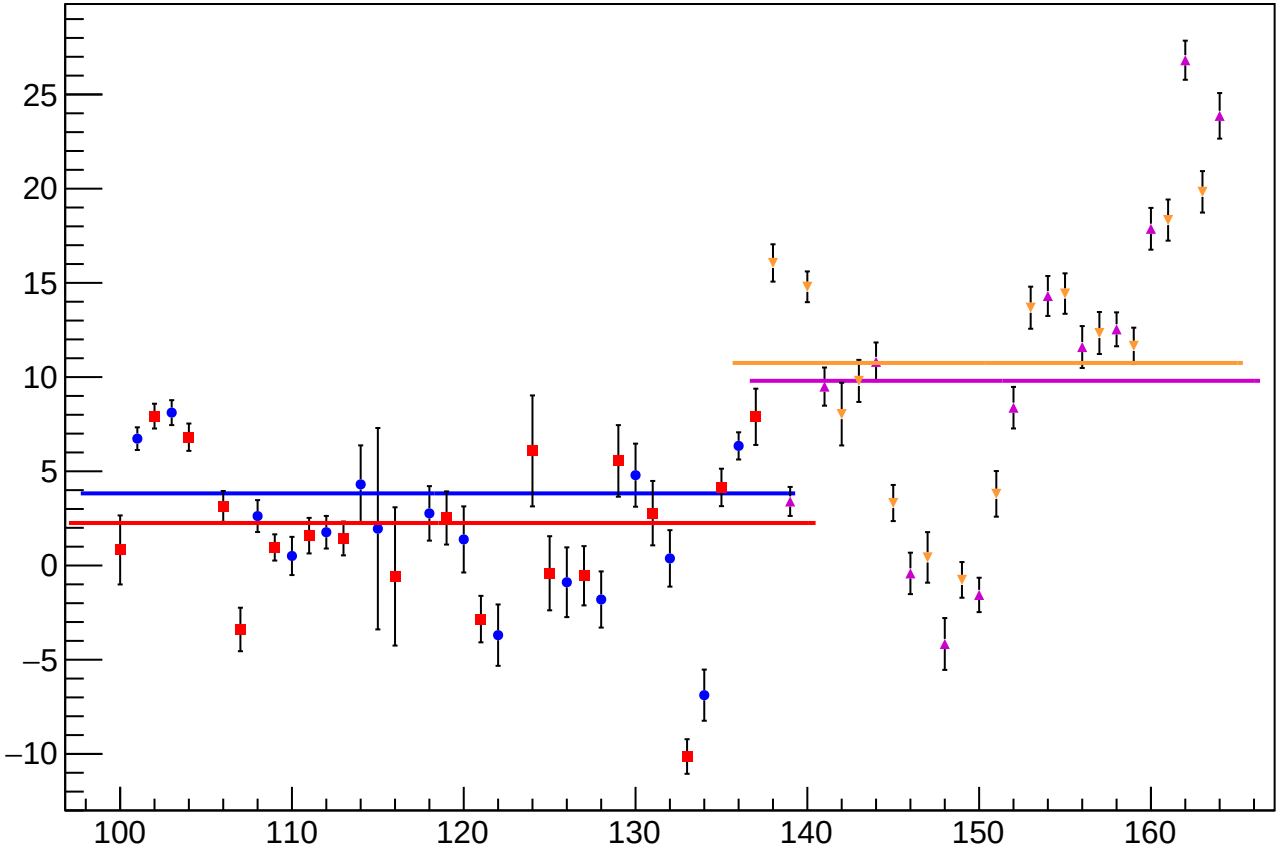
Left In: 57.381+/-0.215 χ^2/NDF:959.7/12

+ sign 59.042+/-0.163 χ^2/NDF: 2313.6/29

All: 58.601+/-0.115 χ^2/NDF: 4720.9/61

- 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: 10.751+/-0.285 χ^2/NDF:494.5/13

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

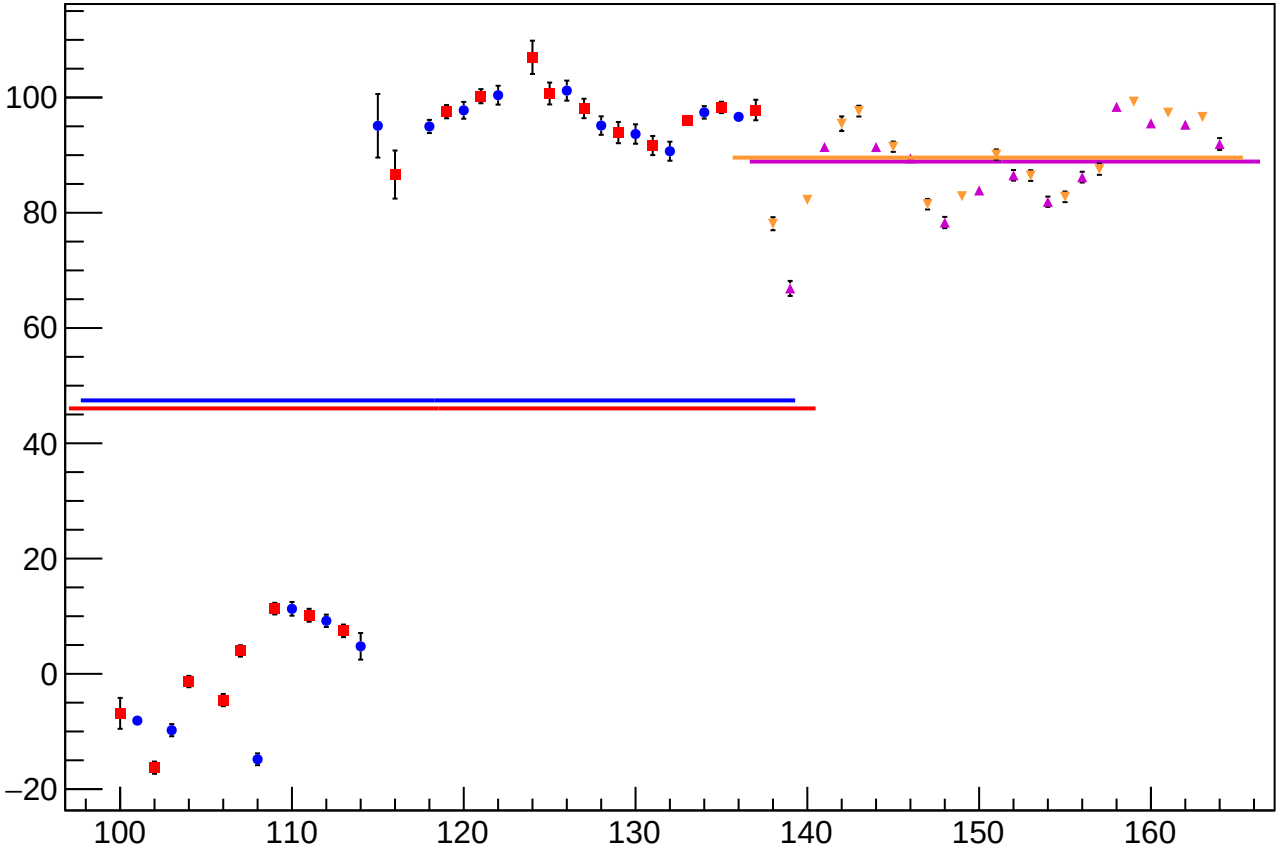
Left In: 9.802+/-0.285 χ^2/NDF:903.3/12

+ sign 7.045+/-0.194 χ^2/NDF: 1019.6/29

All: 6.236+/-0.134 χ^2/NDF: 2729.9/61

- 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: 89.572+/-0.239 χ^2/NDF:837.1/13

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

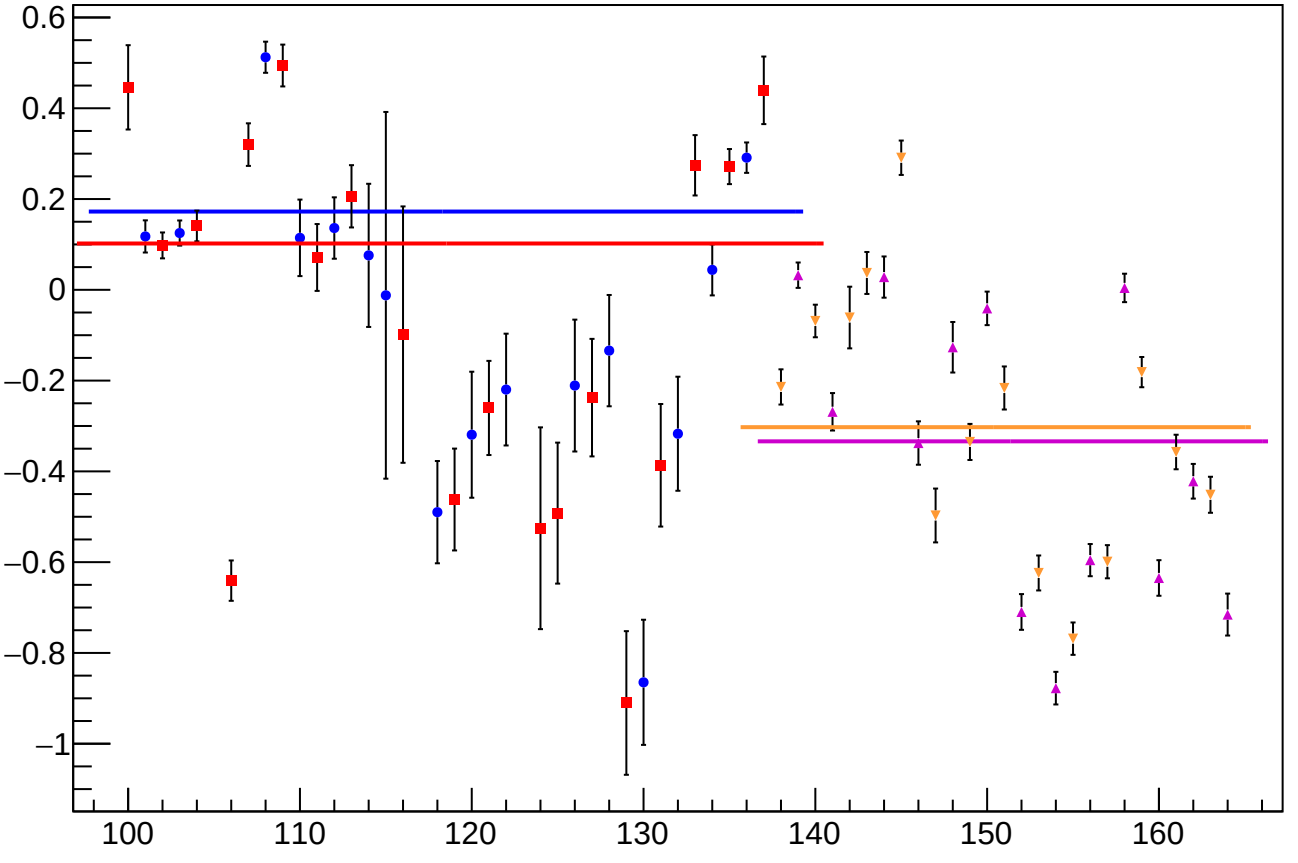
Left In: 88.884+/-0.245 χ^2/NDF:845.6/12

\+ sign 73.717+/-0.189 χ^2/NDF: 39387.9/29

All: 72.153+/-0.132 χ^2/NDF: 82284.8/61

\- 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: -0.303+/-0.011 χ^2/NDF:710.2/13

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

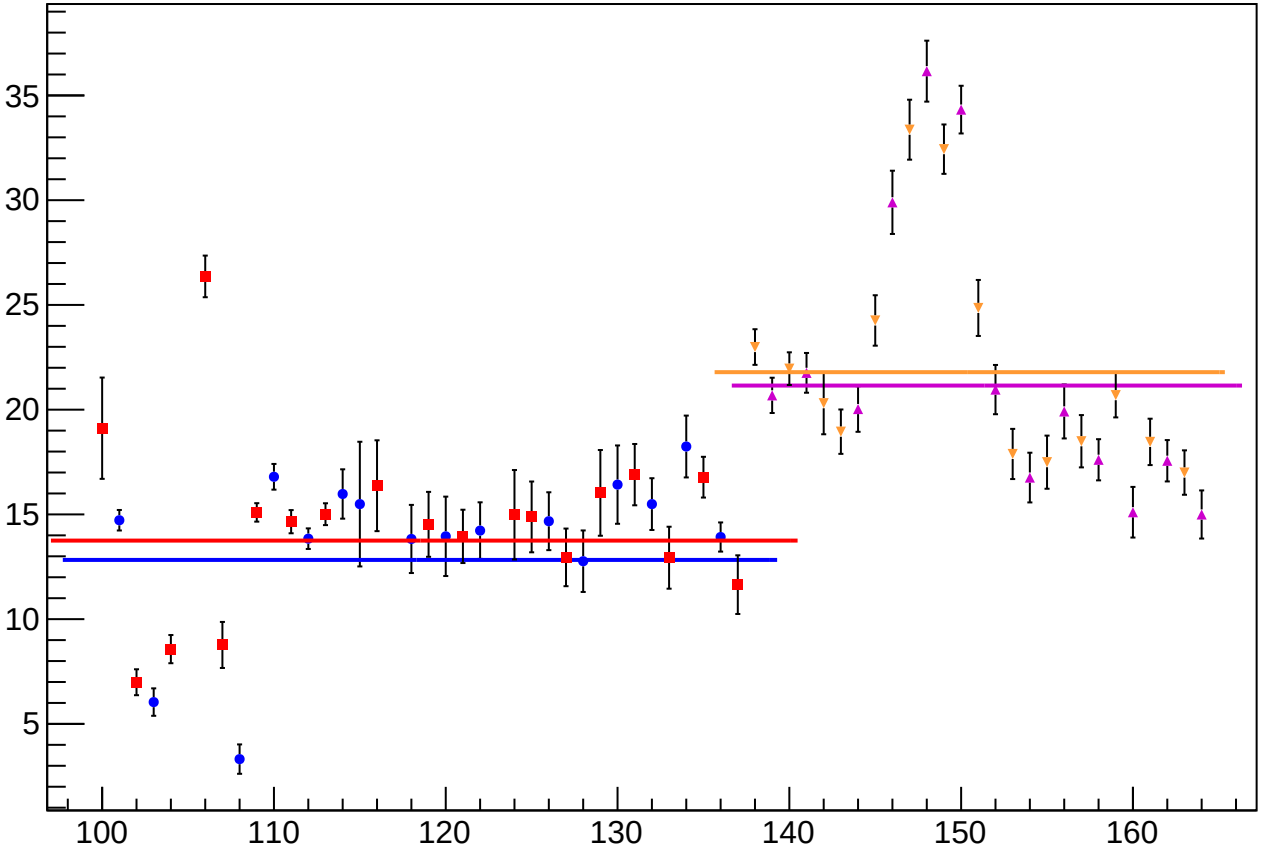
Left In: -0.334+/-0.011 χ^2/NDF:937.7/12

+ sign -0.128+/-0.009 χ^2/NDF: 1688.8/29

All: -0.148+/-0.006 χ^2/NDF: 3842.9/61

- 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: 21.791+/-0.296 χ^2/NDF:226.3/13

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

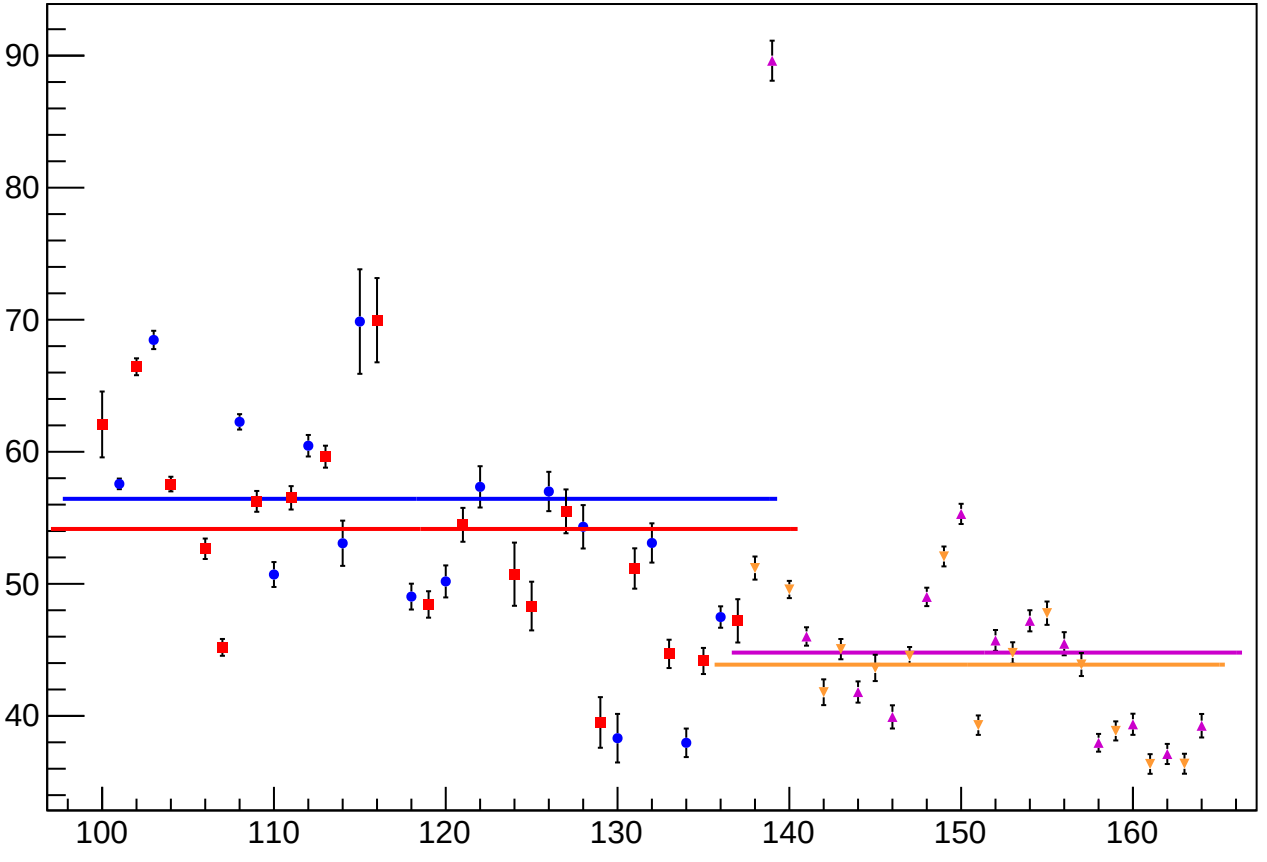
Left In: 21.151+/-0.307 χ^2/NDF:370.2/12

+ sign 15.899+/-0.174 χ^2/NDF: 1215.3/29

All: 15.959+/-0.121 χ^2/NDF: 2392.1/61

- 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: 43.881+/-0.209 χ^2/NDF:581.1/13

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

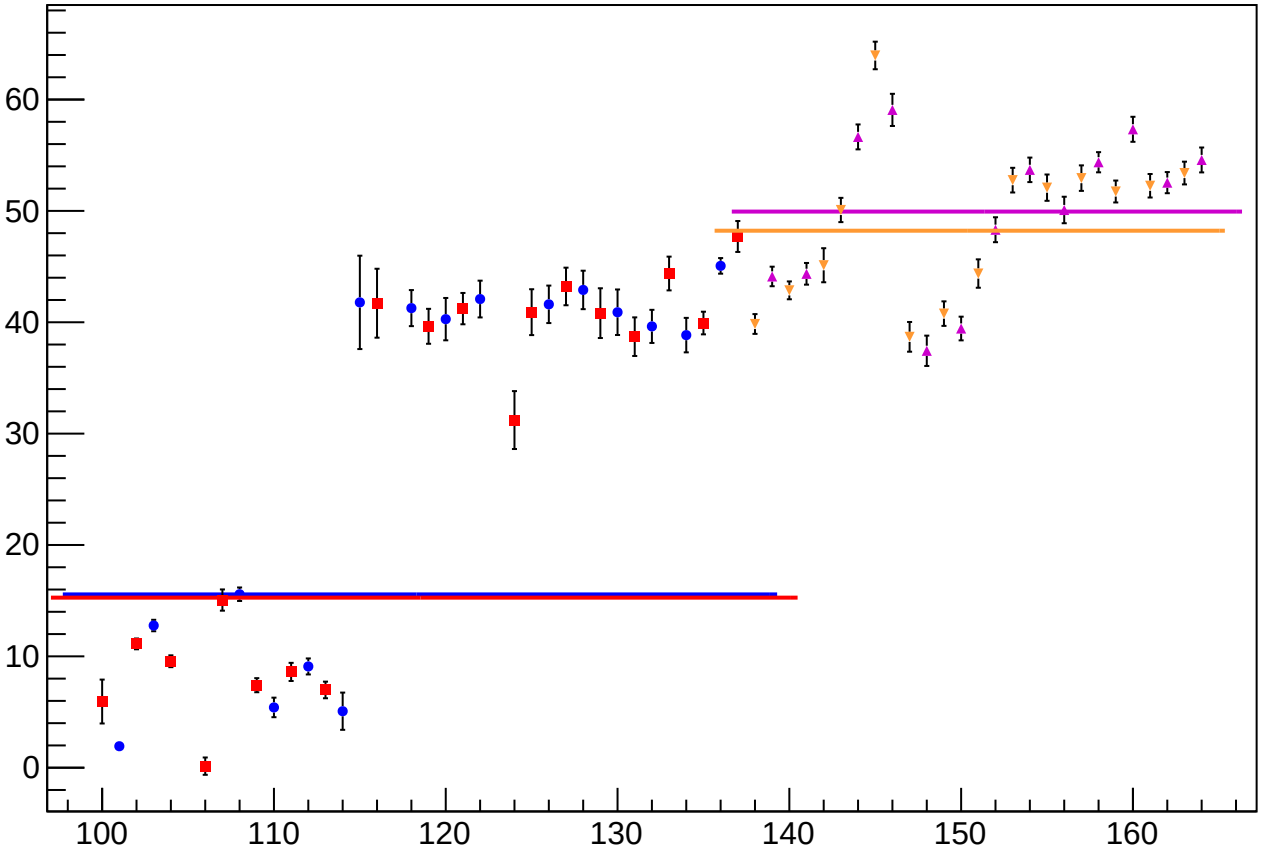
Left In: 44.794+/-0.222 χ^2/NDF:1446.0/12

+ sign 49.790+/-0.152 χ^2/NDF: 3365.6/29

All: 49.610+/-0.110 χ^2/NDF: 6701.3/61

- 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: 48.221+/-0.290 χ^2/NDF:505.5/13

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

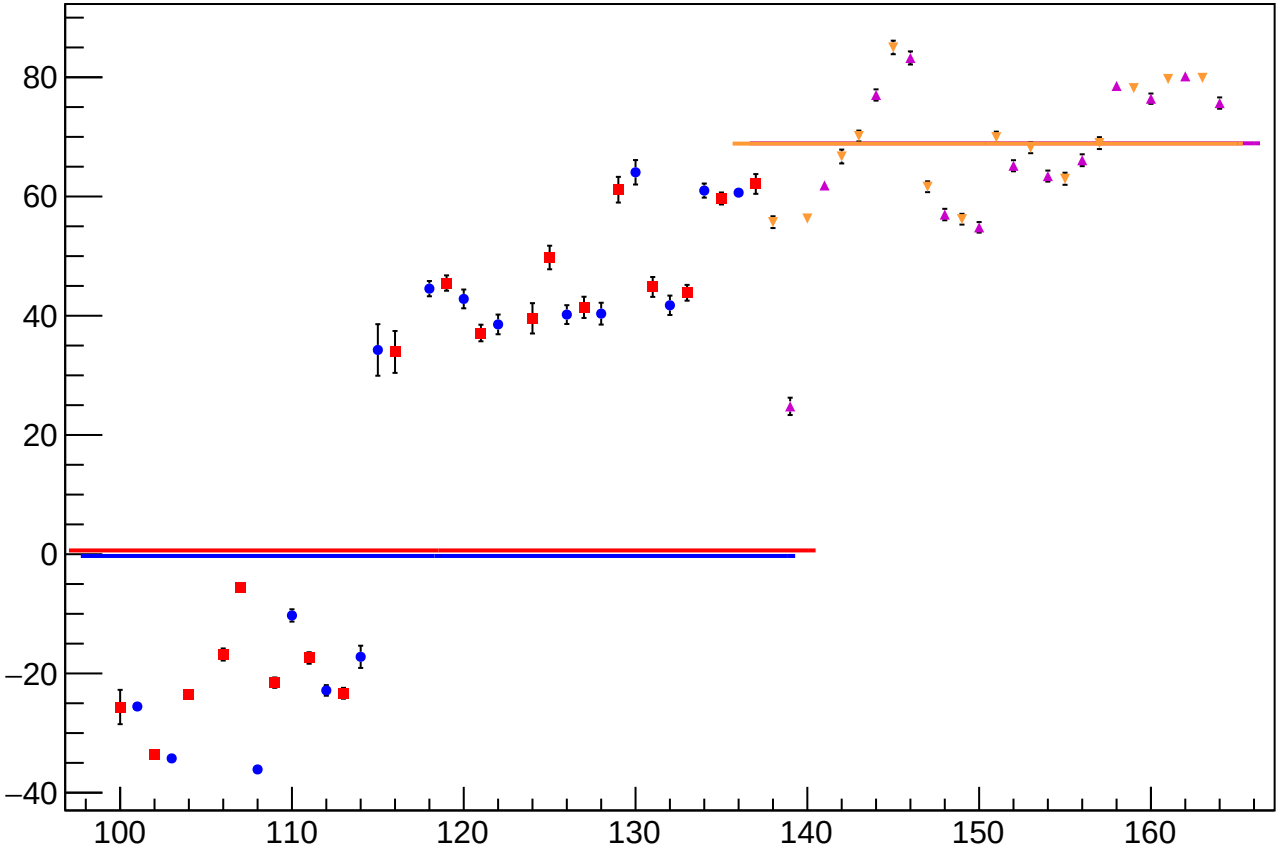
Left In: 49.939+/-0.297 χ^2/NDF:440.2/12

\+ sign 27.100+/-0.172 χ^2/NDF: 13911.4/29

All: 27.280+/-0.123 χ^2/NDF: 27031.8/61

\- 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: 68.873+/-0.242 χ^2/NDF:1468.9/13

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

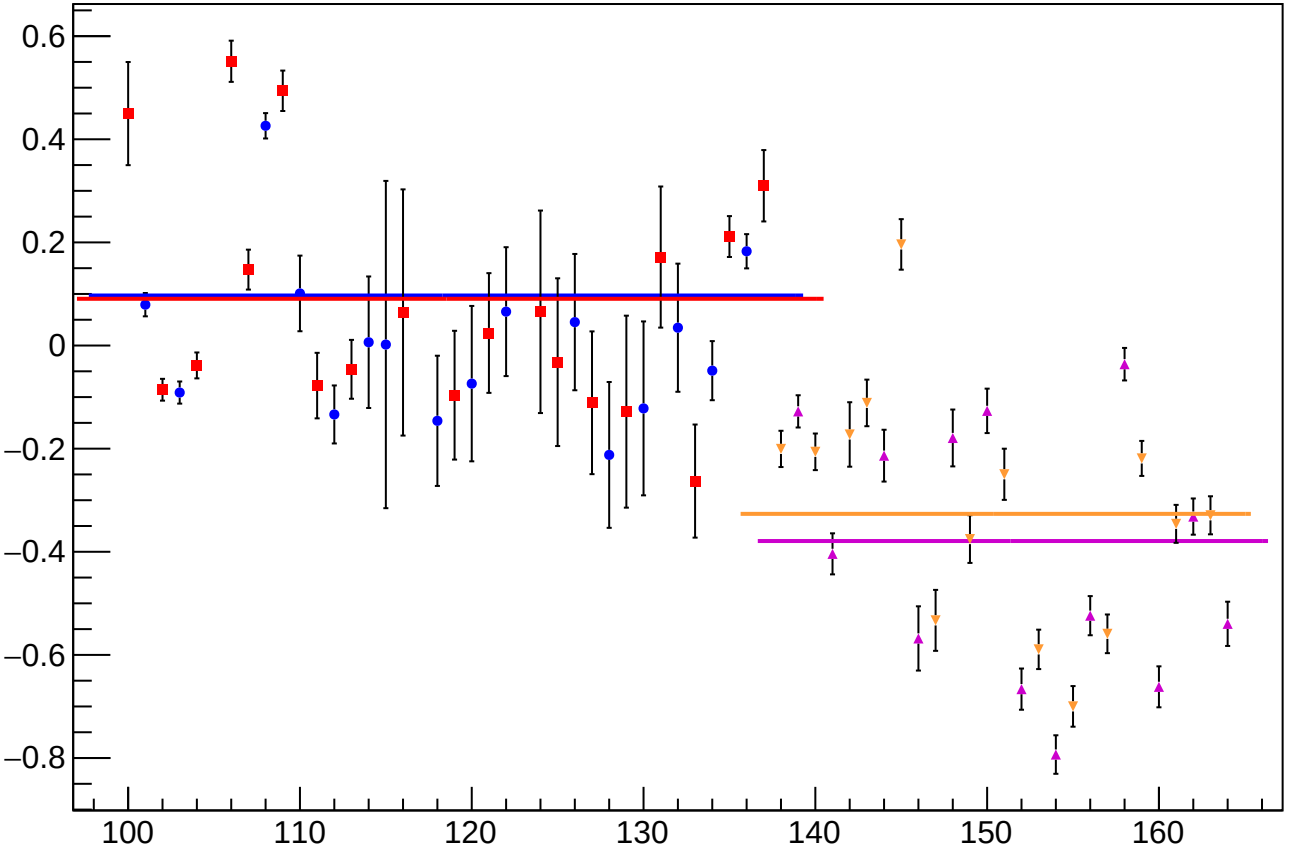
Left In: 68.922+/-0.253 χ^2/NDF:2217.7/12

+ sign 36.908+/-0.178 χ^2/NDF: 60160.7/29

All: 36.564+/-0.127 χ^2/NDF: 113369.0/61

- 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: -0.326+/-0.011 χ^2/NDF:368.4/13

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

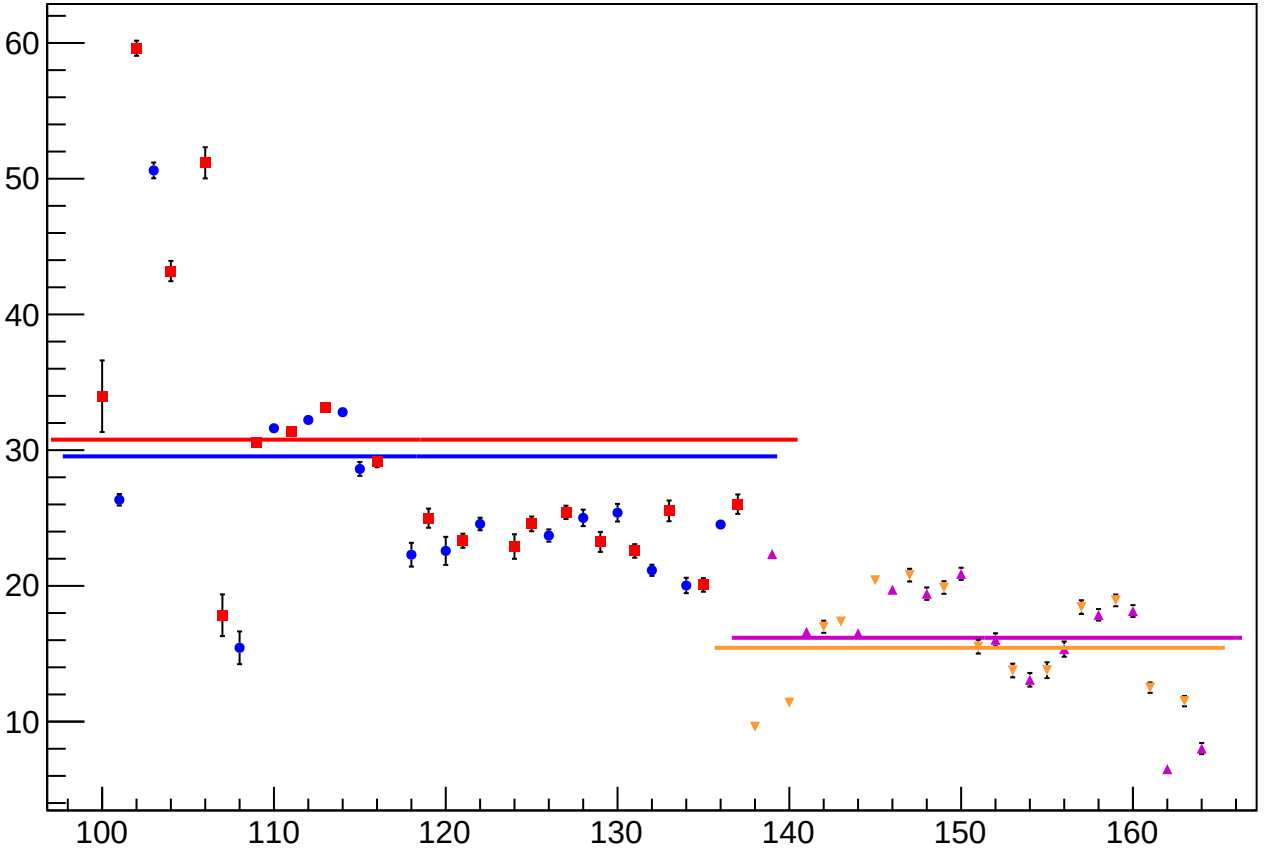
Left In: -0.379+/-0.011 χ^2/NDF:506.5/12

+ sign -0.119+/-0.008 χ^2/NDF: 1395.7/29

All: -0.135+/-0.006 χ^2/NDF: 3186.8/61

- 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: 15.437+/-0.105 χ^2/NDF:1406.5/13

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

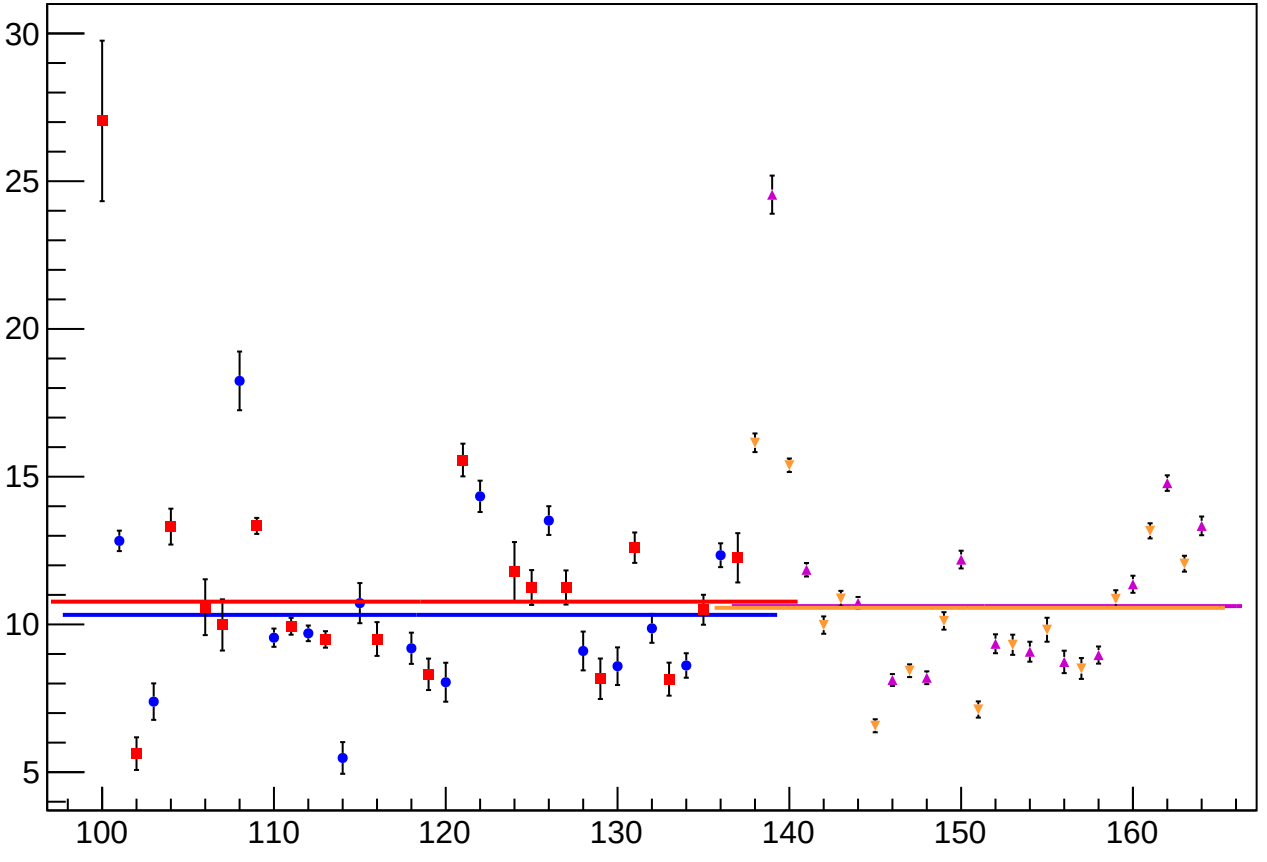
Left In: 16.176+/-0.108 χ^2/NDF:1825.3/12

+ sign 23.400+/-0.069 χ^2/NDF: 15023.2/29

All: 24.573+/-0.047 χ^2/NDF: 34242.2/61

- 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: 10.562+/-0.073 χ^2/NDF:1534.7/13

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

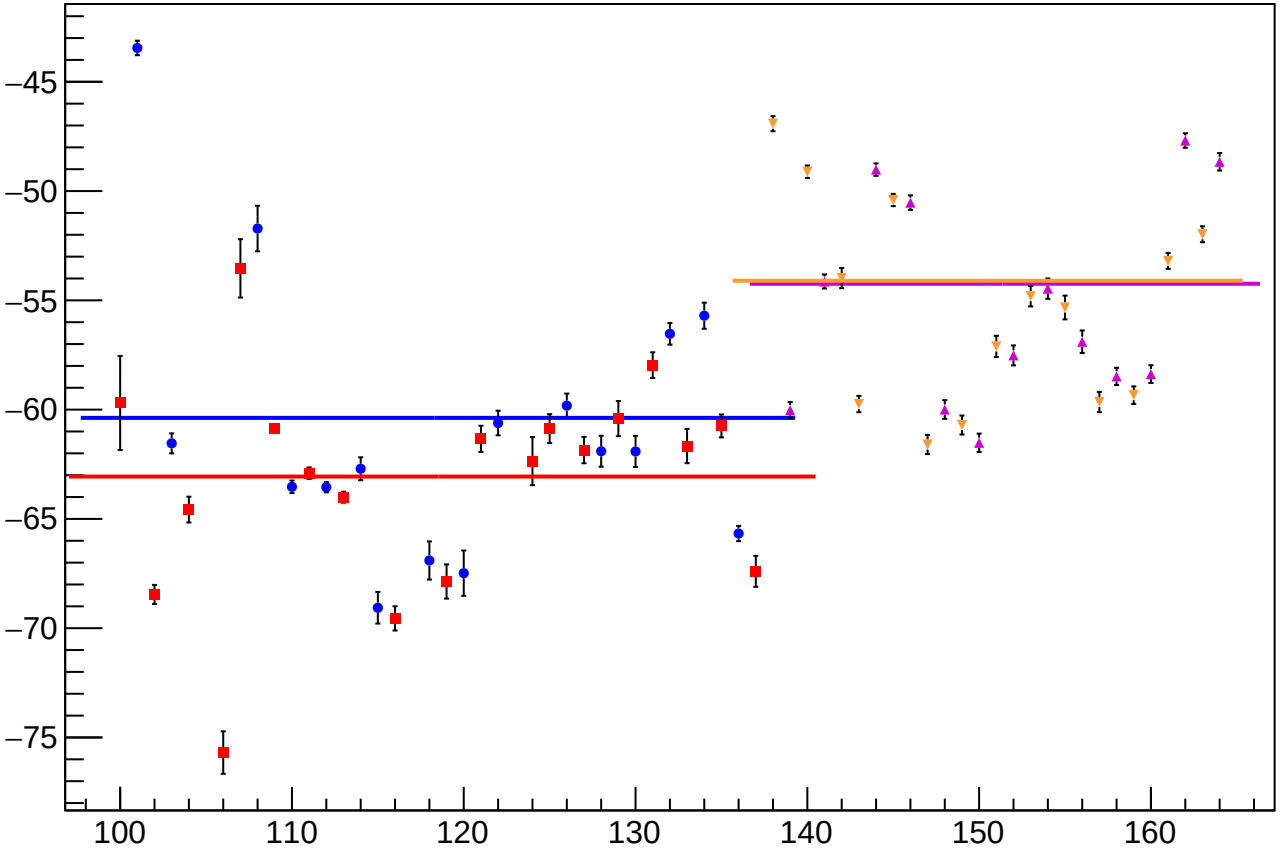
Left In: 10.620+/-0.075 χ^2/NDF:1228.1/12

+ sign 10.492+/-0.062 χ^2/NDF: 1940.4/29

All: 10.578+/-0.044 χ^2/NDF: 3589.5/61

- 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: -54.103+/-0.103 χ^2/NDF:2065.9/13

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

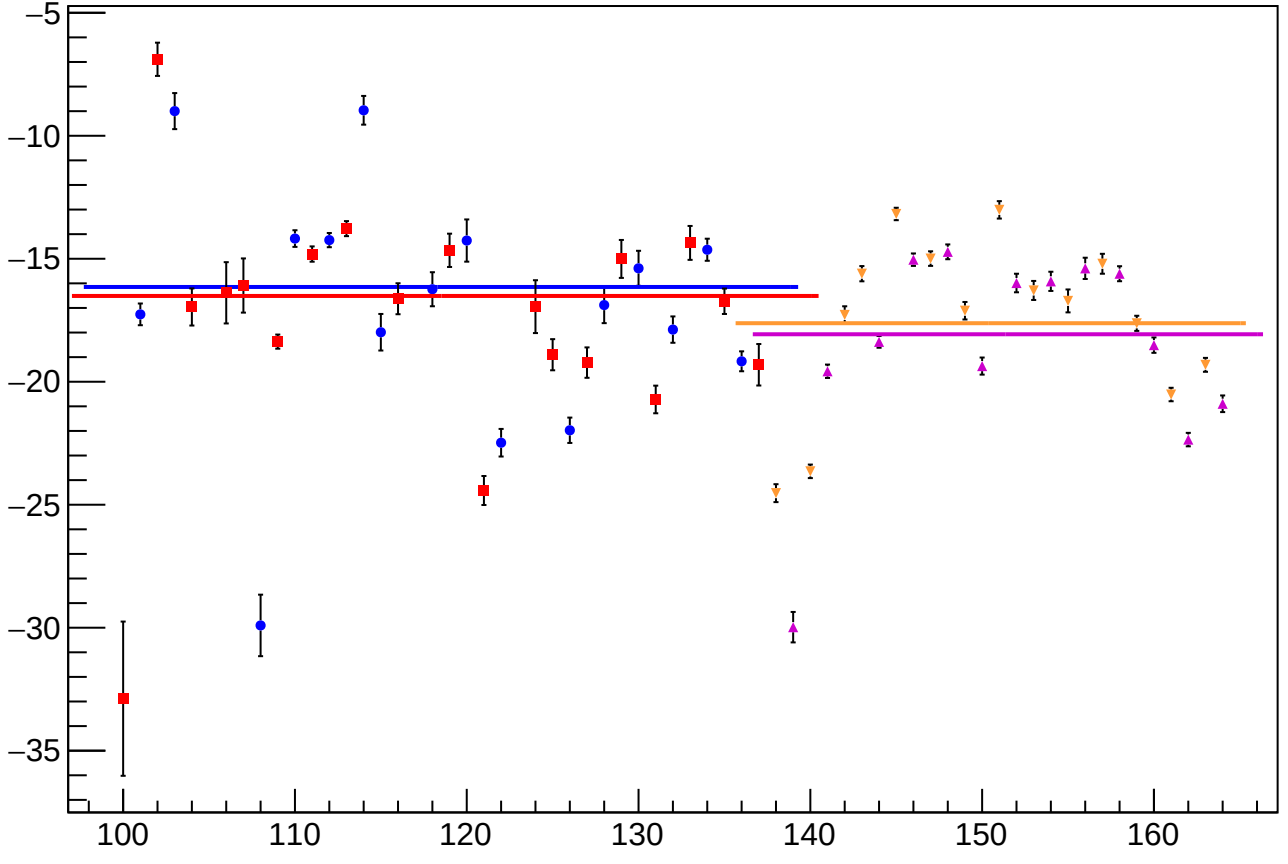
Left In: -54.241+/-0.105 χ^2/NDF:2066.8/12

+ sign -56.957+/-0.076 χ^2/NDF: 7343.9/29

All: -57.774+/-0.053 χ^2/NDF: 13927.6/61

- 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: -17.620+/-0.086 χ^2/NDF:1640.3/13

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

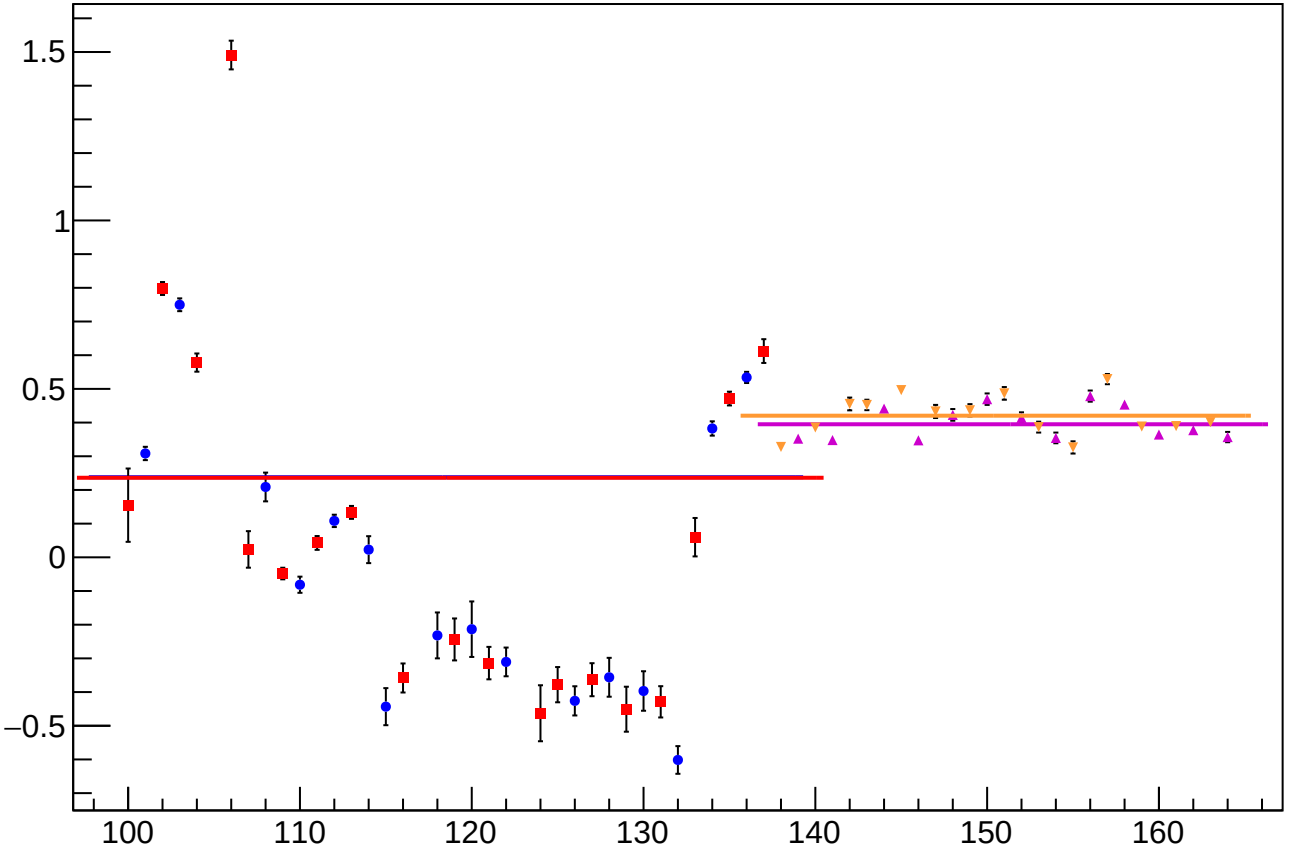
Left In: -18.070+/-0.088 χ^2/NDF:1163.8/12

+ sign -17.160+/-0.071 χ^2/NDF: 2529.7/29

All: -17.356+/-0.050 χ^2/NDF: 4498.1/61

- 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: 0.420+/-0.004 χ^2/NDF:215.8/13

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

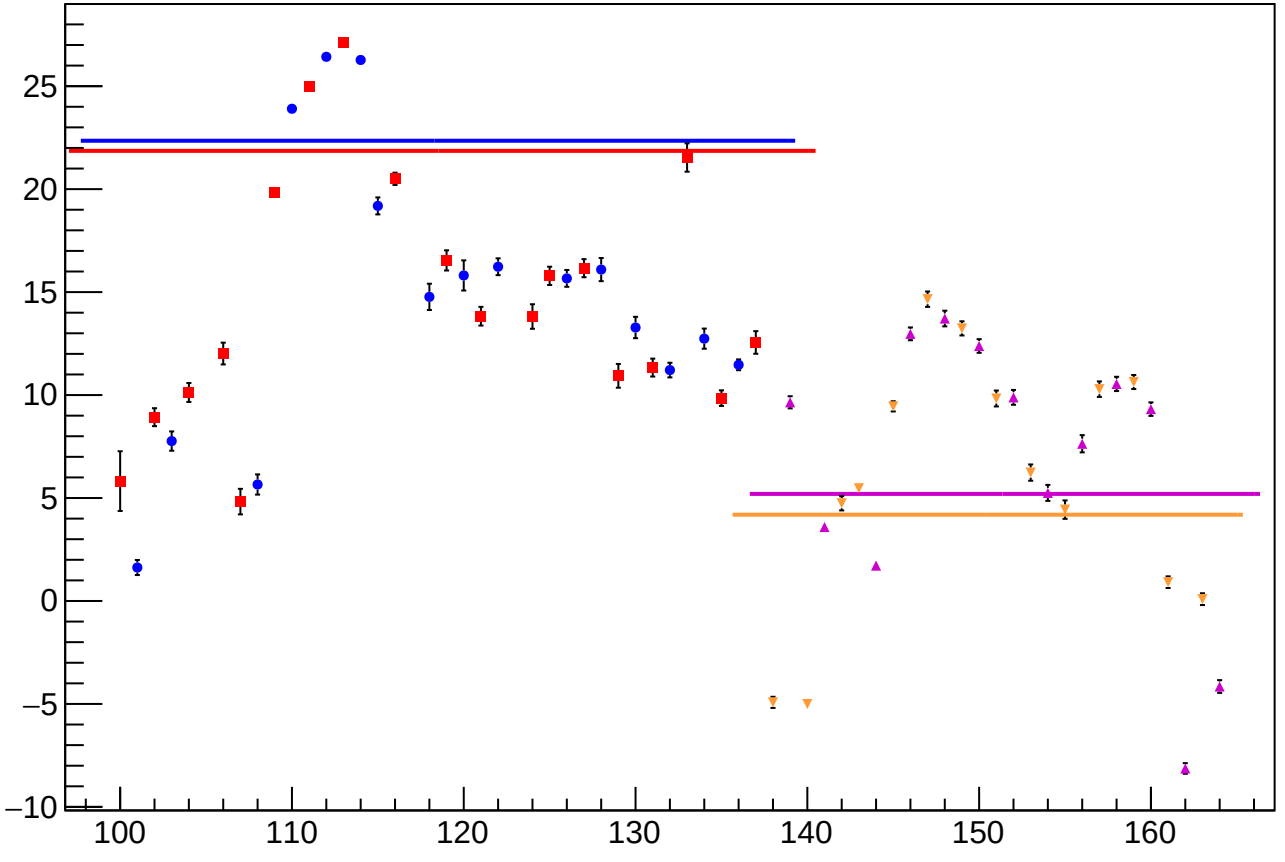
Left In: 0.395+/-0.004 χ^2/NDF:133.6/12

+ sign 0.376+/-0.003 χ^2/NDF: 3356.2/29

All: 0.366+/-0.002 χ^2/NDF: 7480.8/61

- 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: 4.189+/-0.081 χ^2/NDF:6132.2/13

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

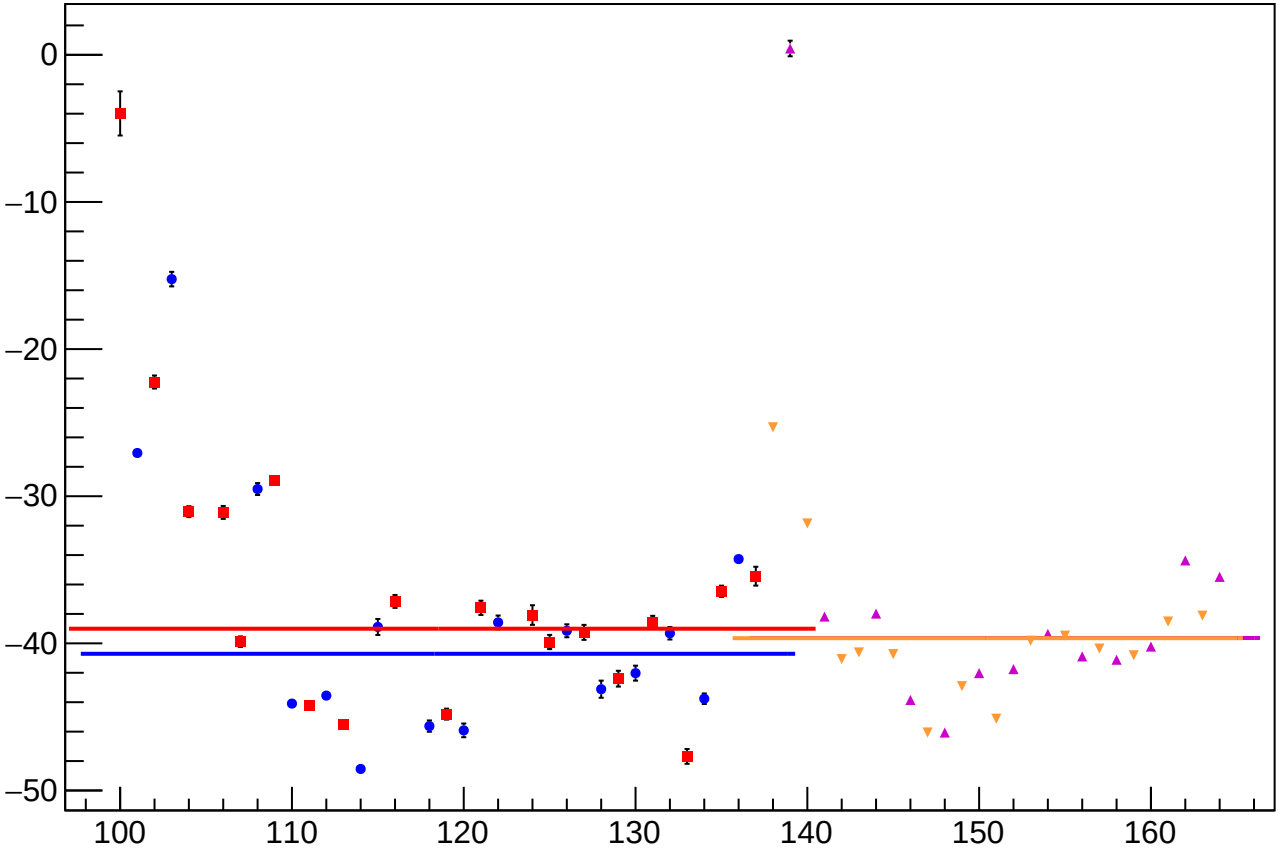
Left In: 5.200+/-0.086 χ^2/NDF:6252.8/12

+ sign 16.394+/-0.046 χ^2/NDF: 52288.3/29

All: 17.352+/-0.031 χ^2/NDF: 99295.2/61

- 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: -39.649+/-0.057 χ^2/NDF:7439.7/13

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

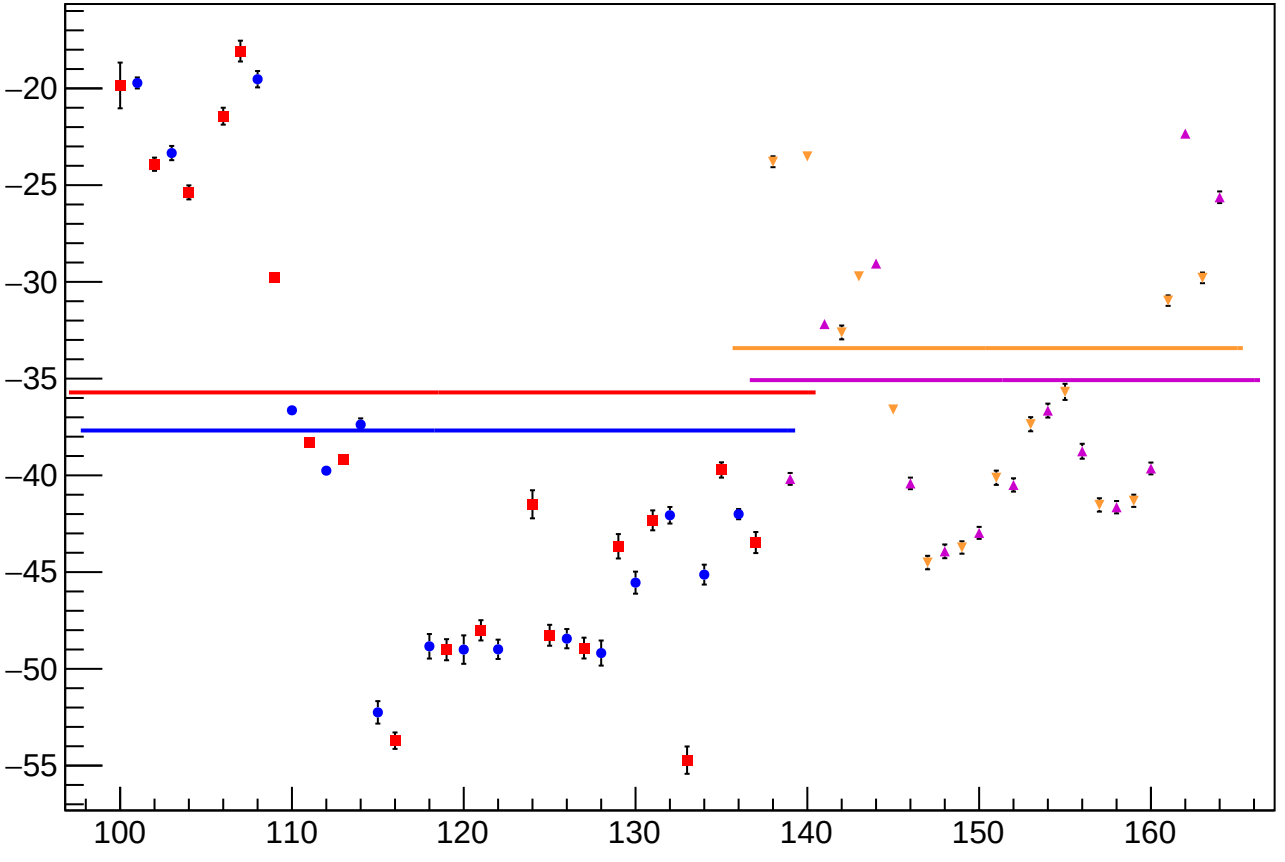
Left In: -39.635+/-0.060 χ^2/NDF:8903.0/12

+ sign -40.024+/-0.046 χ^2/NDF: 15344.1/29

All: -39.701+/-0.032 χ^2/NDF: 34496.1/61

- 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: -33.423+/-0.080 χ^2/NDF:7528.9/13

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

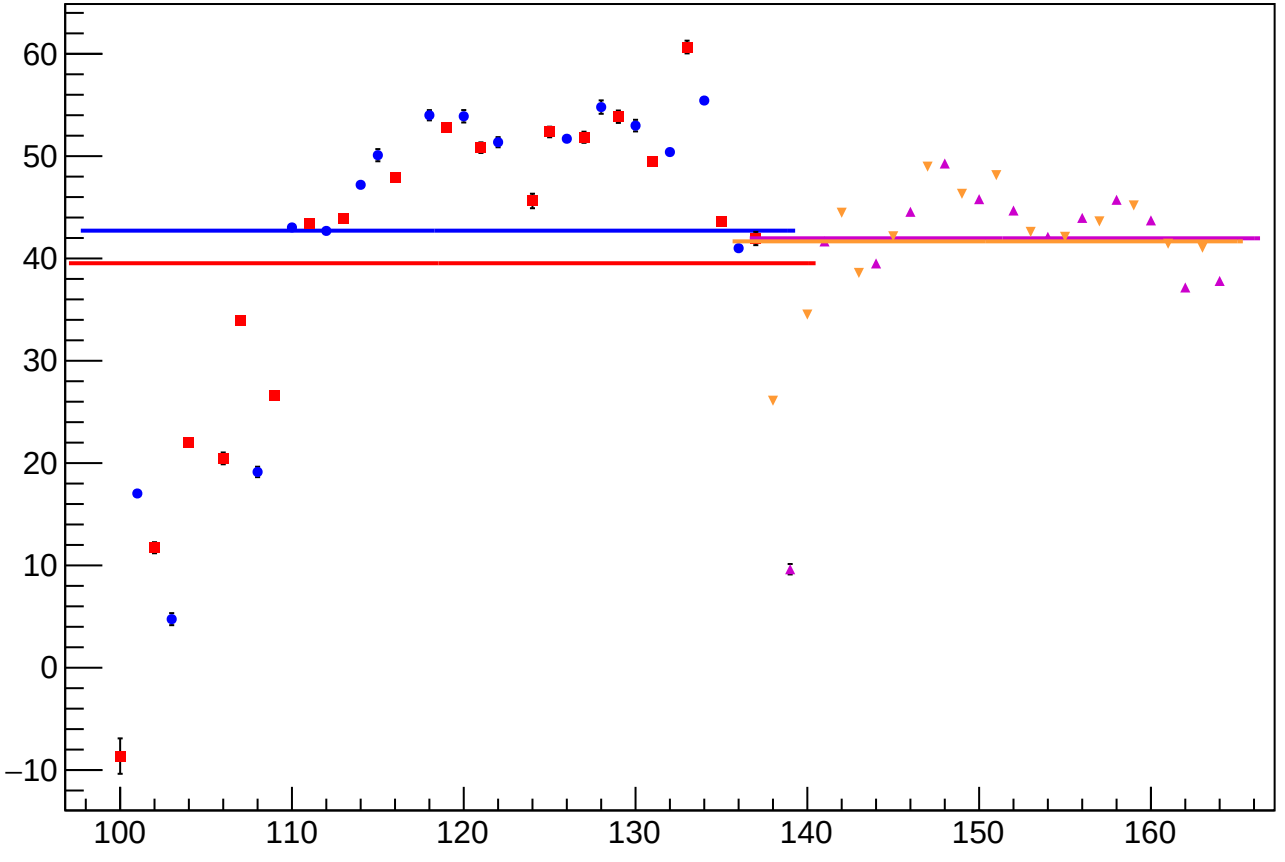
Left In: -35.078+/-0.083 χ^2/NDF:7234.0/12

+ sign -35.716+/-0.054 χ^2/NDF: 19921.0/29

All: -35.589+/-0.037 χ^2/NDF: 40476.5/61

- 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: 41.672+/-0.066 χ^2/NDF:6263.0/13

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

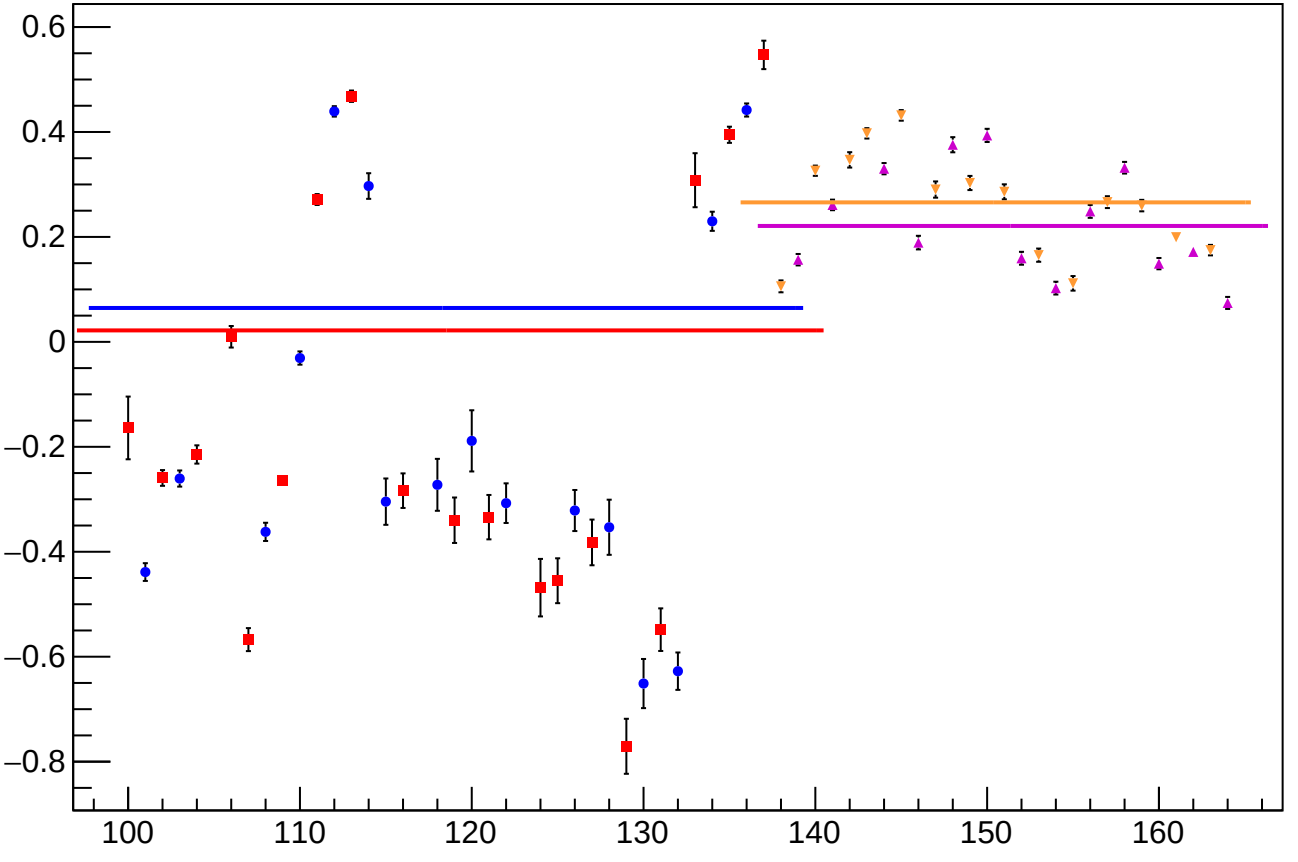
Left In: 41.971+/-0.069 χ^2/NDF:6610.5/12

+ sign 42.066+/-0.052 χ^2/NDF: 21122.3/29

All: 41.478+/-0.037 χ^2/NDF: 46507.1/61

- 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: 0.266+/-0.003 χ^2/NDF:1042.2/13

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

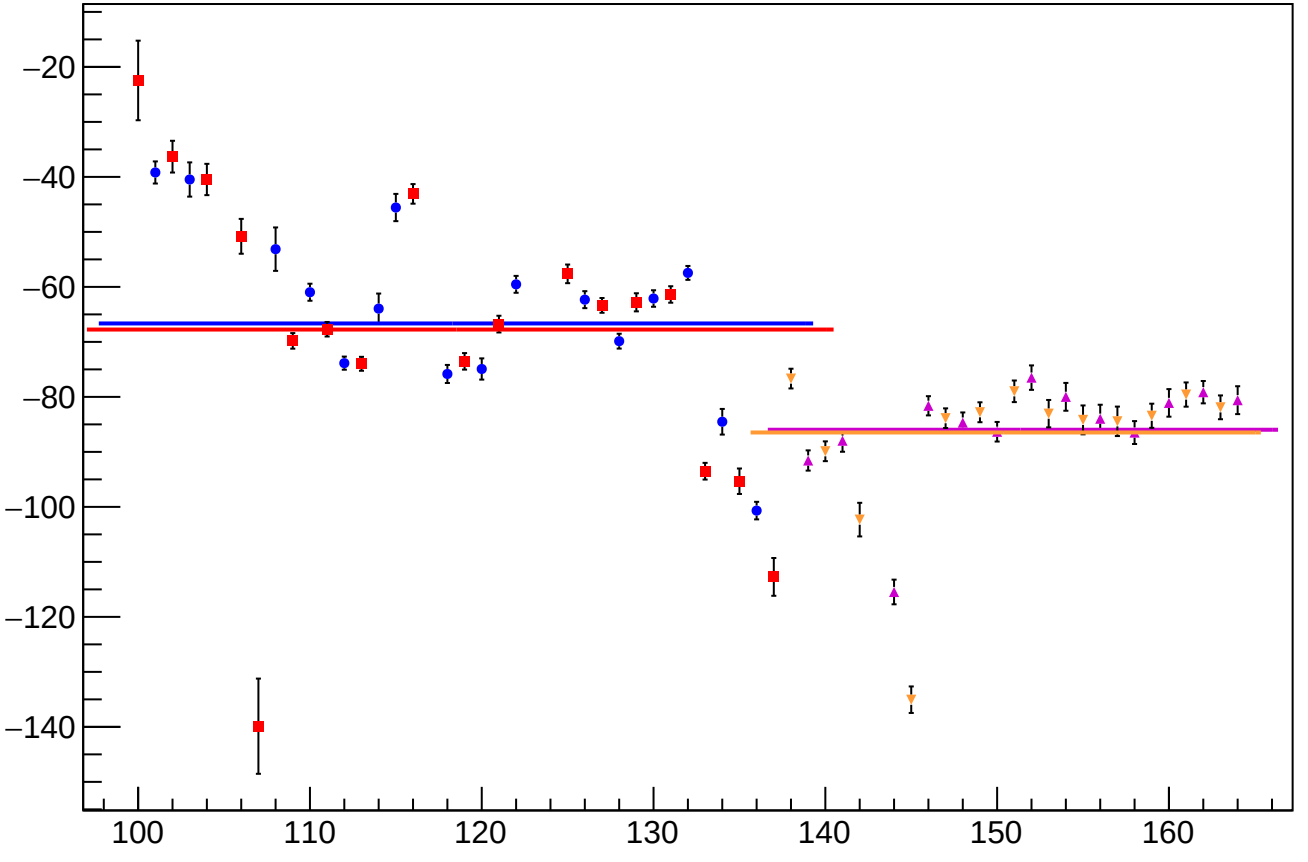
Left In: 0.221+/-0.003 χ^2/NDF:923.1/12

+ sign 0.208+/-0.003 χ^2/NDF: 7771.8/29

All: 0.180+/-0.002 χ^2/NDF: 16685.0/61

- 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: -86.470+/-0.592 χ^2/NDF:506.6/12

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

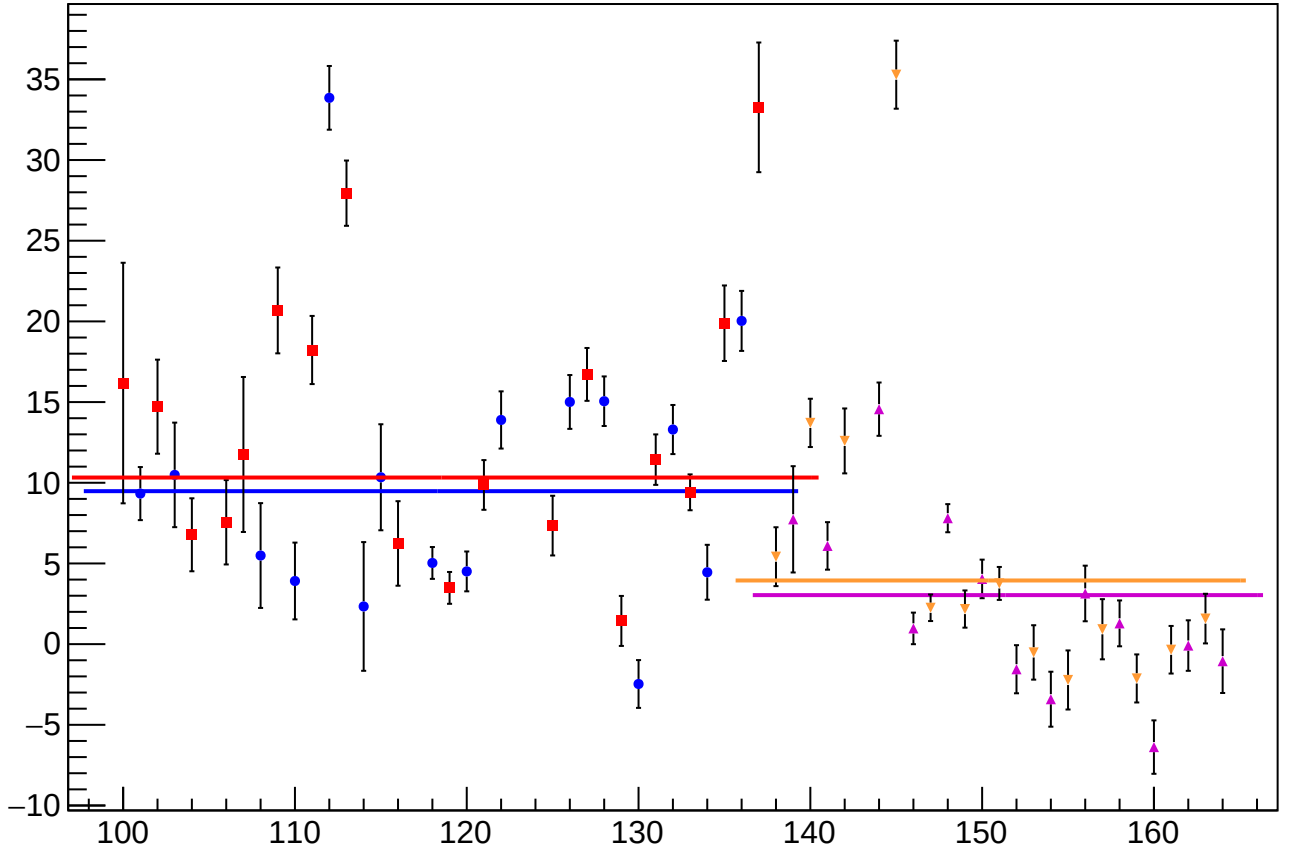
Left In: -85.974+/-0.580 χ^2/NDF:233.9/12

+ sign -73.406+/-0.346 χ^2/NDF: 2296.8/28

All: -73.717+/-0.242 χ^2/NDF: 4436.2/59

- 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: 3.945+/-0.387 χ^2/NDF:337.8/12

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

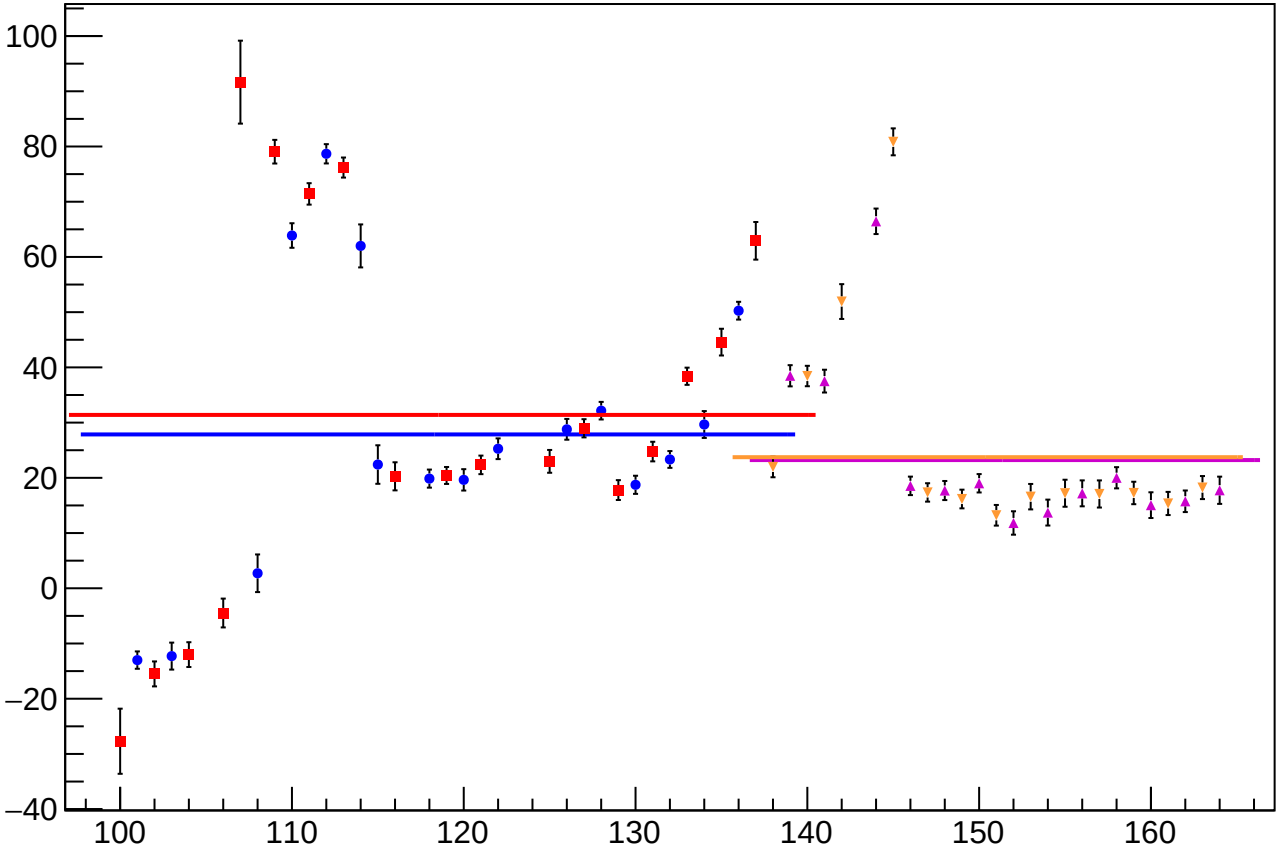
Left In: 3.038+/-0.388 χ^2/NDF:156.1/12

+ sign 6.433+/-0.287 χ^2/NDF: 771.8/28

All: 6.349+/-0.204 χ^2/NDF: 1347.4/59

- 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: 23.737+/-0.571 χ^2/NDF:815.3/12

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

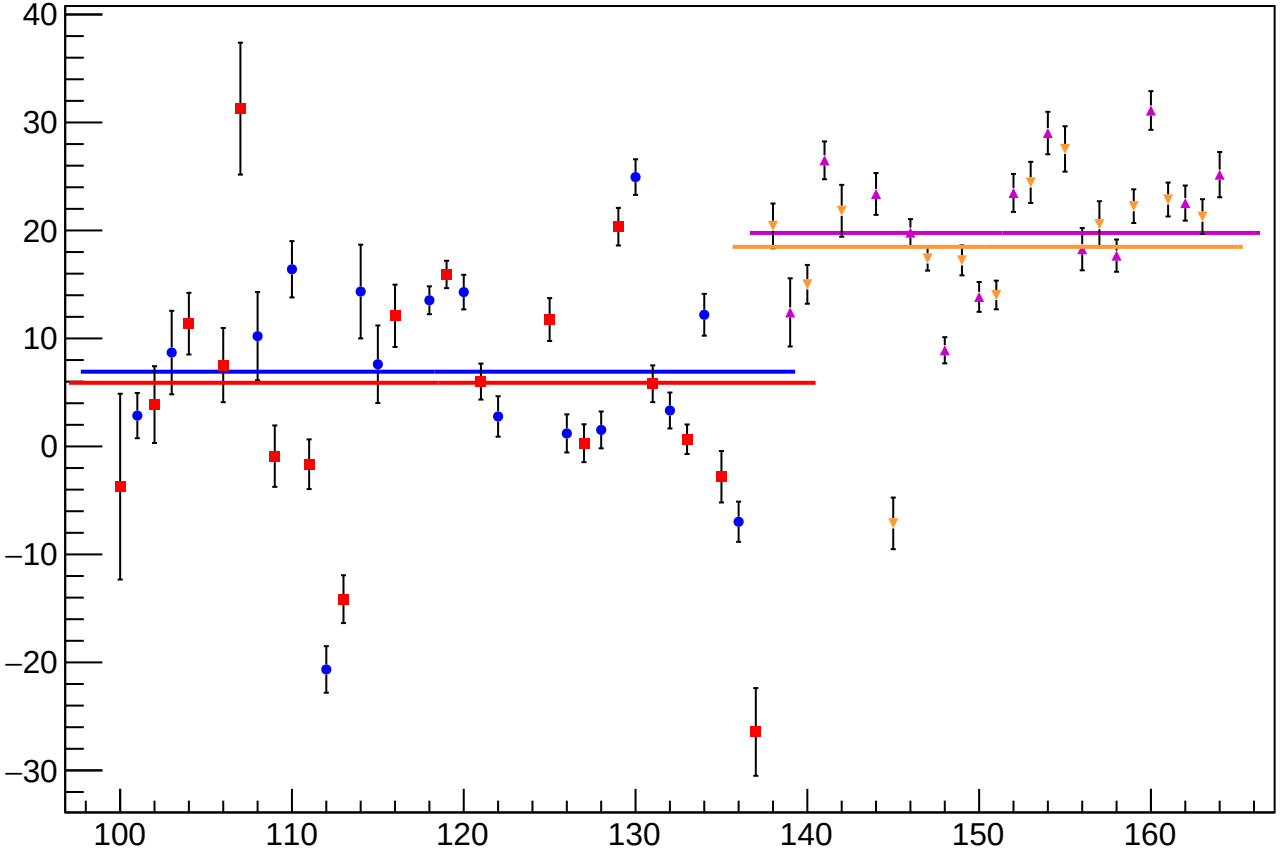
Left In: 23.216+/-0.558 χ^2/NDF:572.8/12

+ sign 26.144+/-0.369 χ^2/NDF: 3319.6/28

All: 27.002+/-0.260 χ^2/NDF: 7036.4/59

- 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: 18.481+/-0.462 χ^2/NDF:180.4/12

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

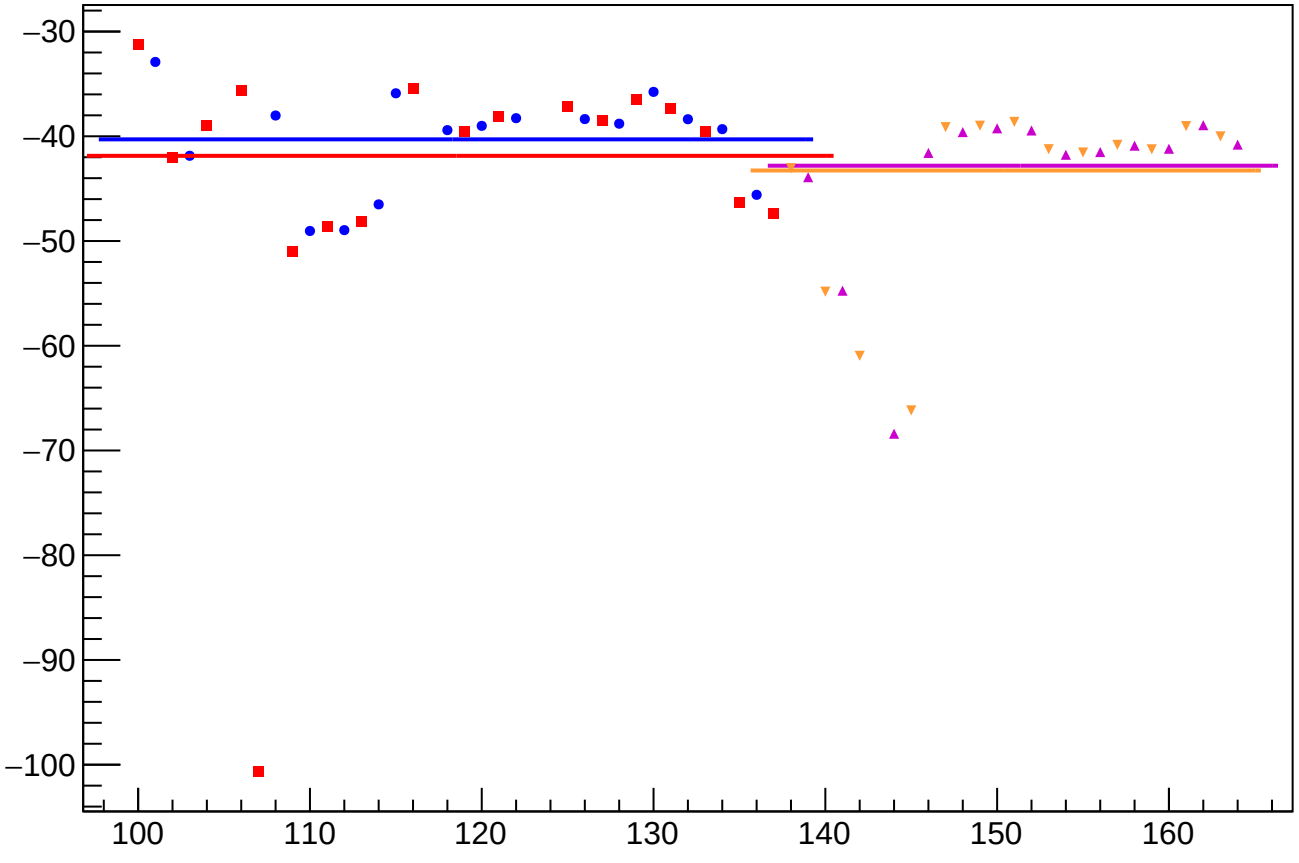
Left In: 19.772+/-0.459 χ^2/NDF:201.2/12

+ sign 13.107+/-0.338 χ^2/NDF: 915.8/28

All: 13.279+/-0.239 χ^2/NDF: 1901.6/59

- 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: -43.266+/-0.022 χ^2/NDF:113834.4/12

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

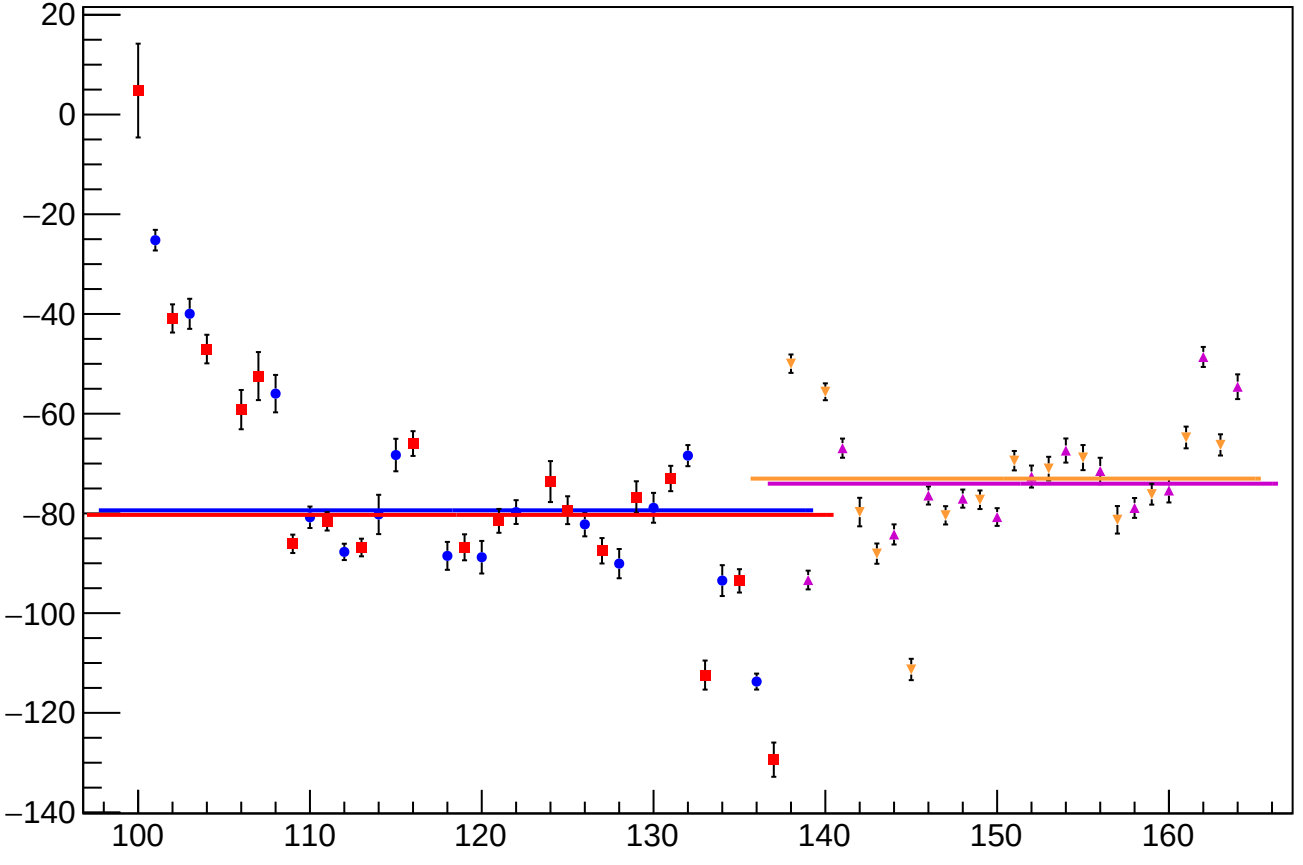
Left In: -42.809+/-0.021 χ^2/NDF:93183.3/12

+ sign -42.294+/-0.018 χ^2/NDF: 140532.5/28

All: -42.412+/-0.013 χ^2/NDF: 293136.4/59

- 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: -73.019+/-0.559 χ^2/NDF:706.1/13

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

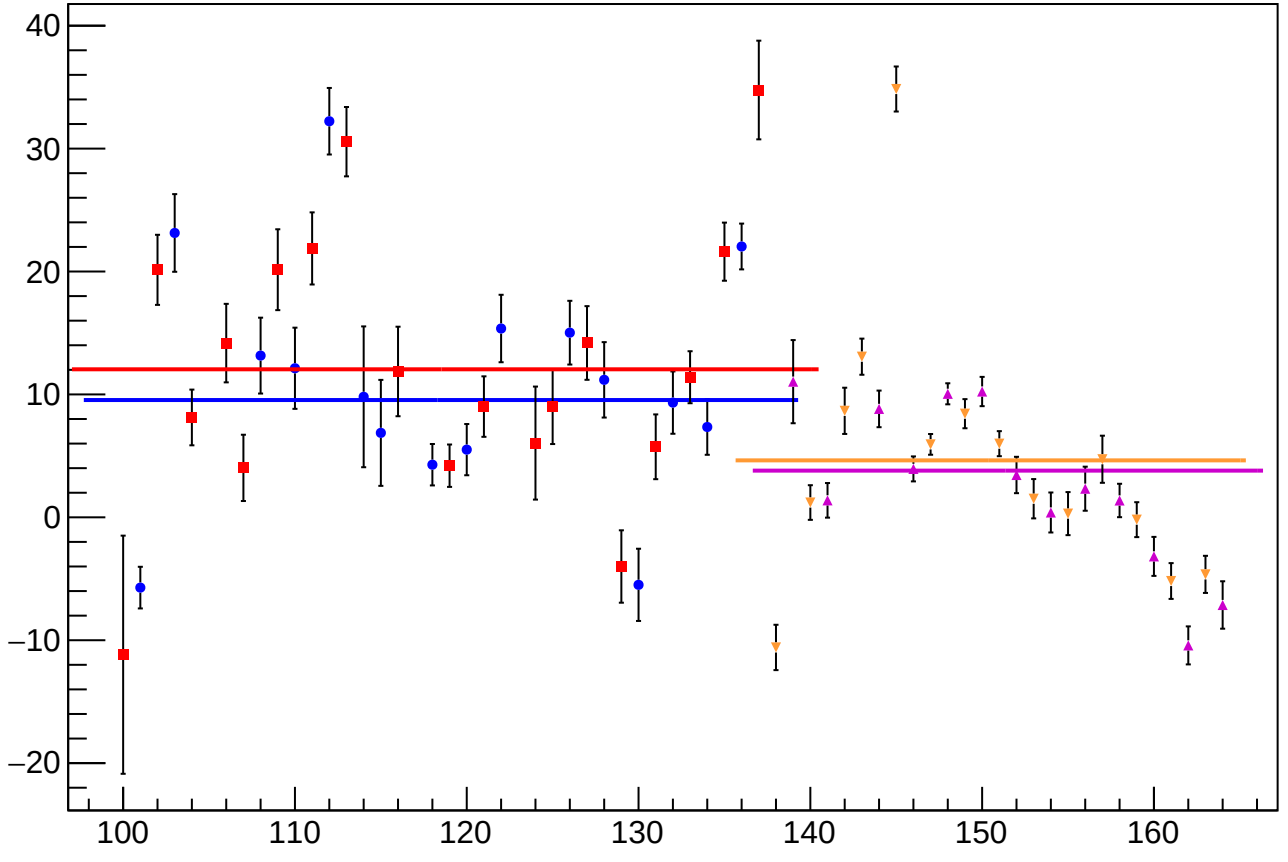
Left In: -74.035+/-0.570 χ^2/NDF:400.2/12

+ sign -75.917+/-0.412 χ^2/NDF: 2241.0/29

All: -76.448+/-0.292 χ^2/NDF: 3615.9/61

- 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: 4.634+/-0.370 χ^2/NDF:502.6/13

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

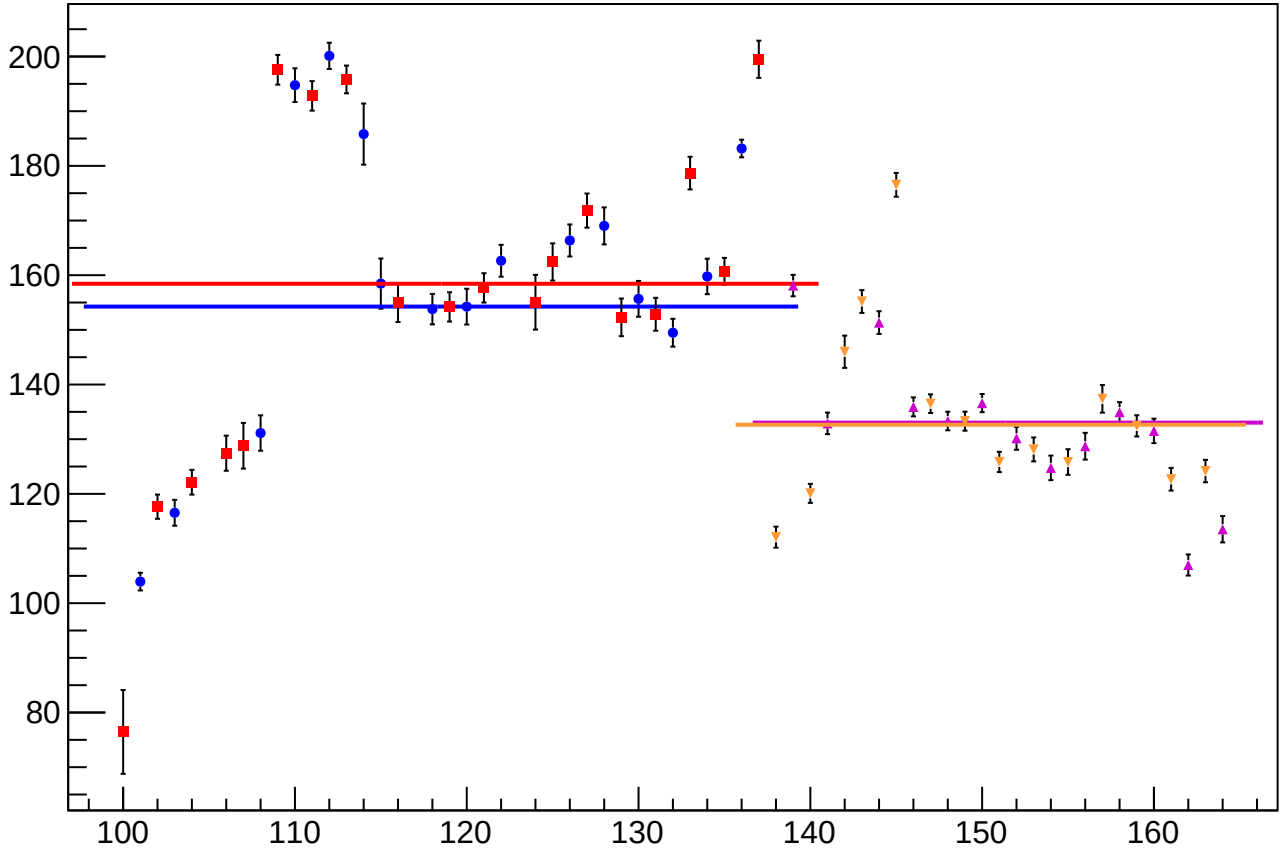
Left In: 3.800+/-0.382 χ^2/NDF:245.7/12

+ sign 5.918+/-0.318 χ^2/NDF: 815.8/29

All: 5.949+/-0.228 χ^2/NDF: 1380.5/61

- 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: 132.644+/-0.542 χ^2/NDF:784.5/13

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

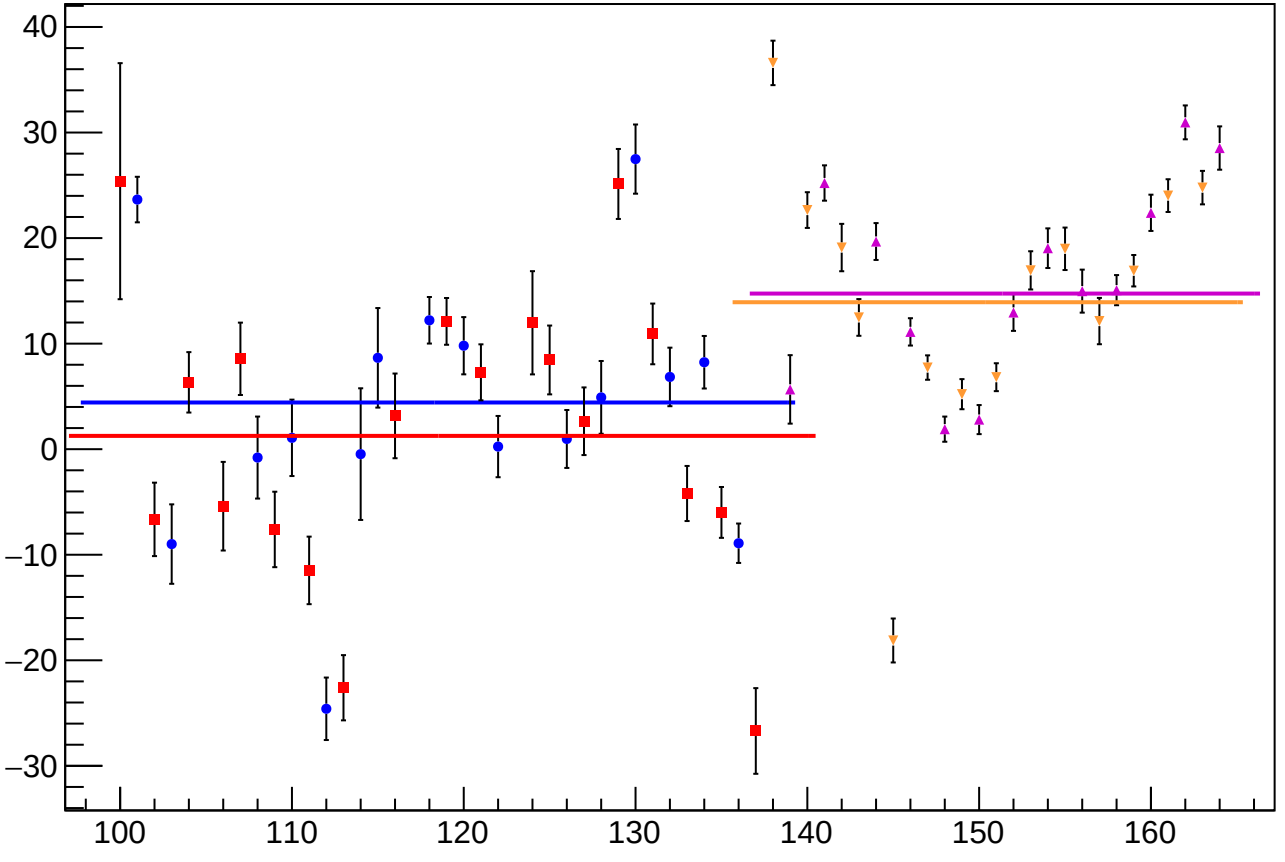
Left In: 133.033+/-0.549 χ^2/NDF:515.8/12

+ sign 141.328+/-0.419 χ^2/NDF: 3636.5/29

All: 142.154+/-0.300 χ^2/NDF: 6665.2/61

- 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: 13.923+/-0.440 χ^2/NDF:583.3/13

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

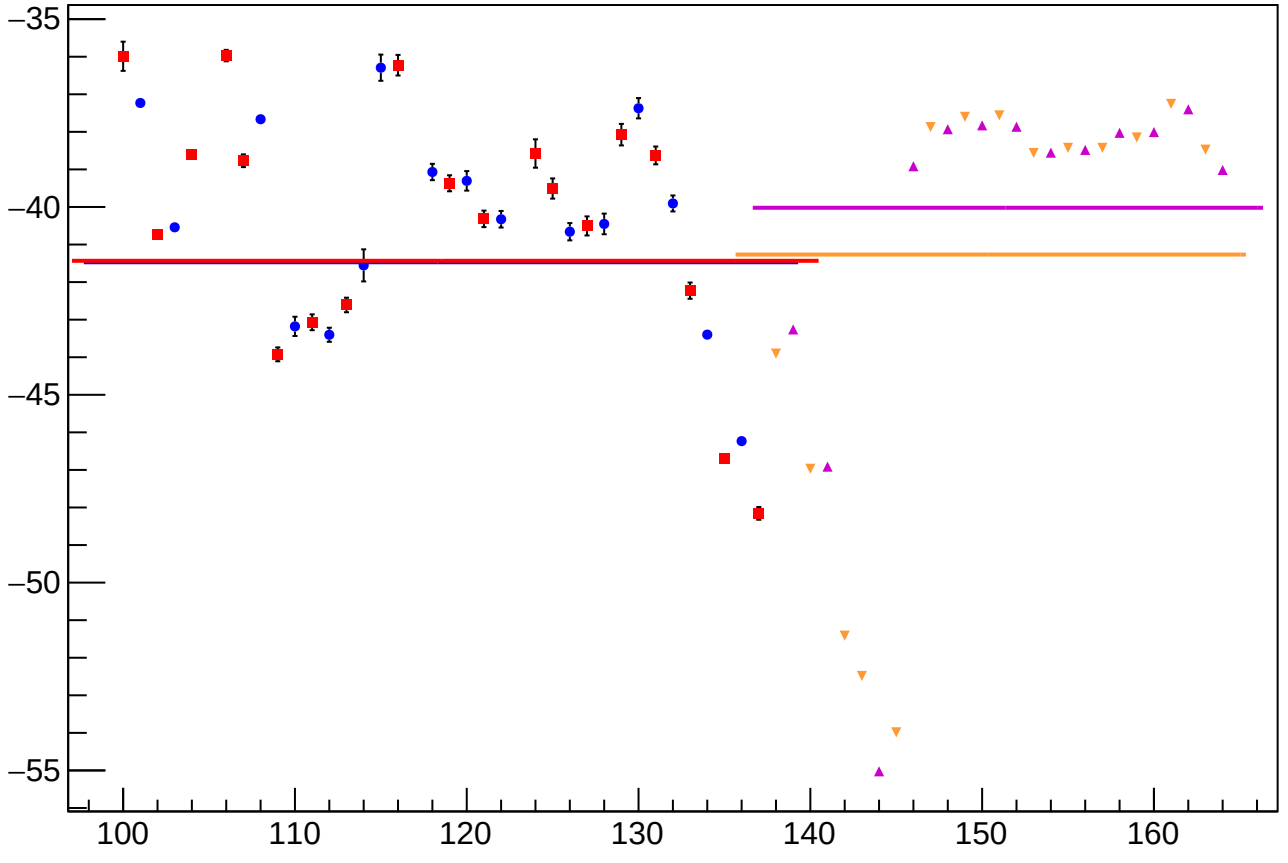
Left In: 14.743+/-0.451 χ^2/NDF:427.5/12

+ sign 11.311+/-0.374 χ^2/NDF: 1027.7/29

All: 11.173+/-0.268 χ^2/NDF: 1966.4/61

- 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: -41.266+/-0.021 χ^2/NDF:69605.0/13

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

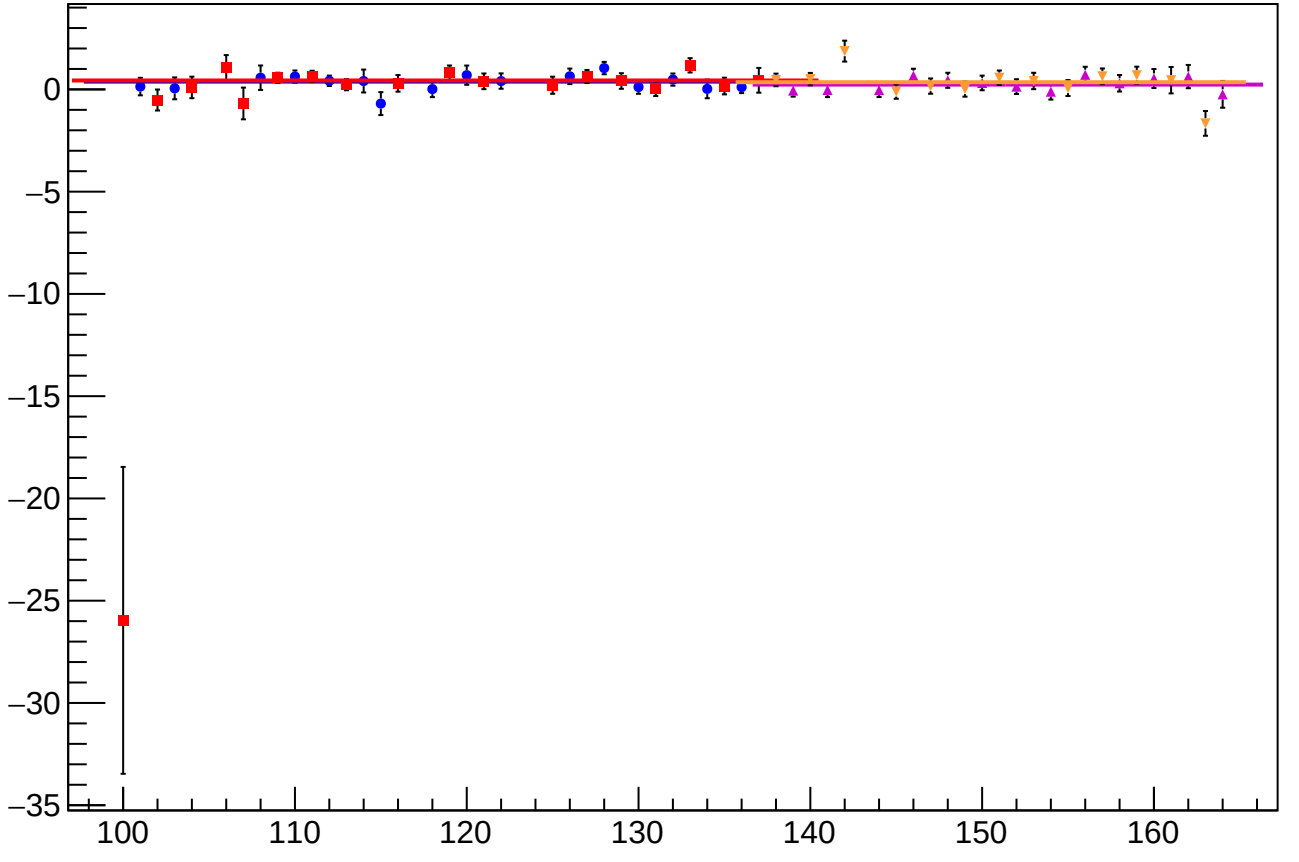
Left In: -40.021+/-0.021 χ^2/NDF:42227.4/12

+ sign -41.314+/-0.018 χ^2/NDF: 77539.3/29

All: -40.824+/-0.013 χ^2/NDF: 130435.7/61

- 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: 0.352+/-0.108 χ^2/NDF:25.2/12

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

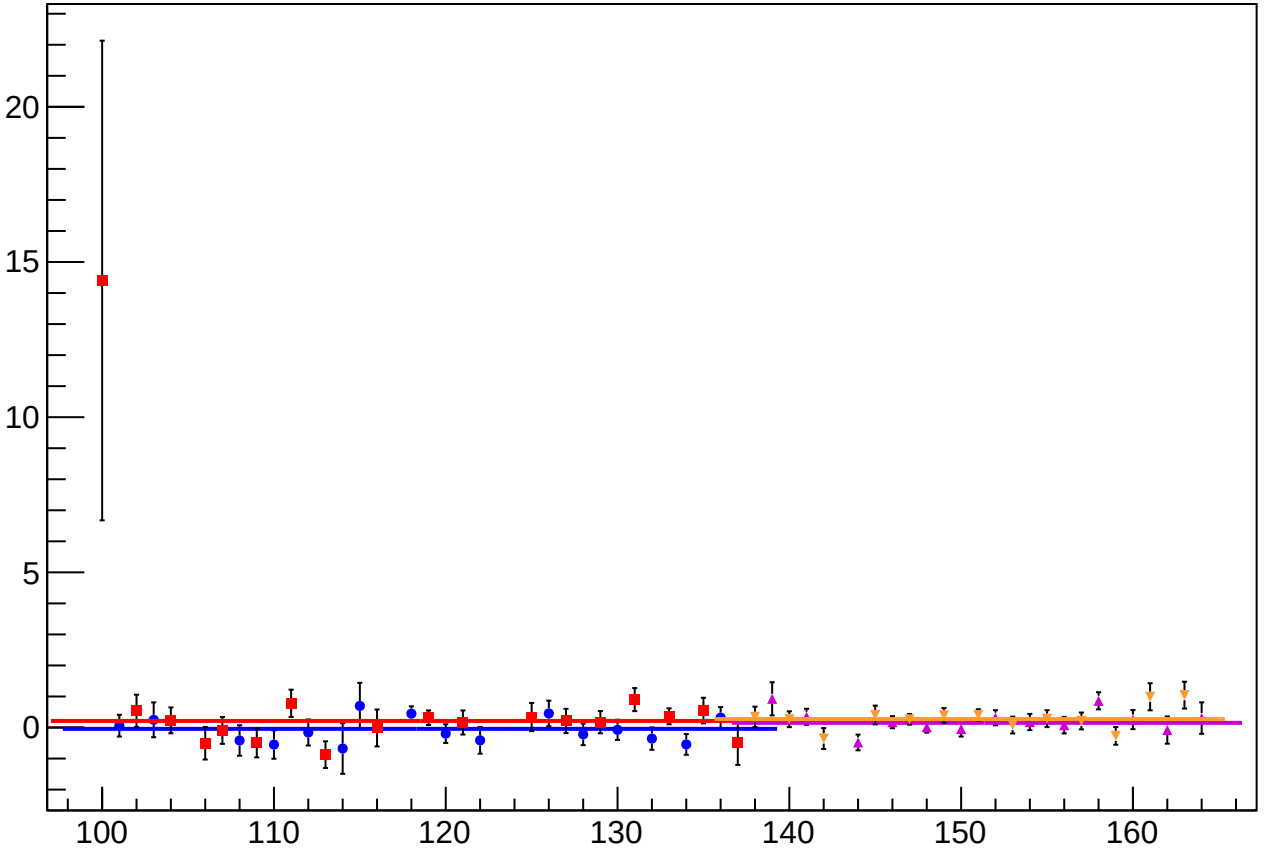
Left In: 0.236+/-0.106 χ^2/NDF:8.0/12

+ sign 0.369+/-0.070 χ^2/NDF: 39.3/28

All: 0.361+/-0.049 χ^2/NDF: 78.3/59

- 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+/-0.073 χ^2/NDF:14.5/12

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

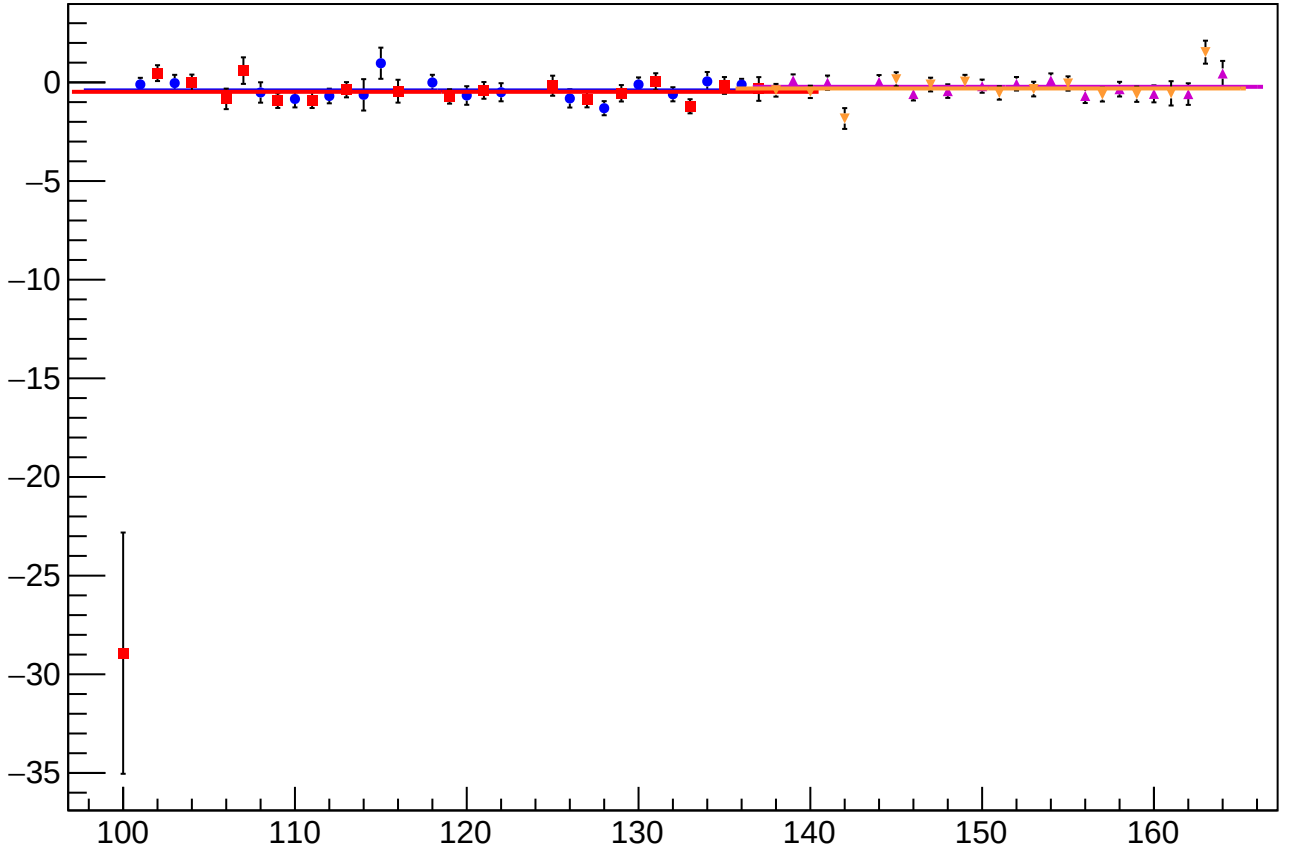
Left In: 0.151+/-0.073 χ^2/NDF:17.9/12

+ sign 0.155+/-0.058 χ^2/NDF: 36.6/28

All: 0.164+/-0.041 χ^2/NDF: 77.2/59

- 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: -0.309+/-0.104 χ^2/NDF:24.1/12

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

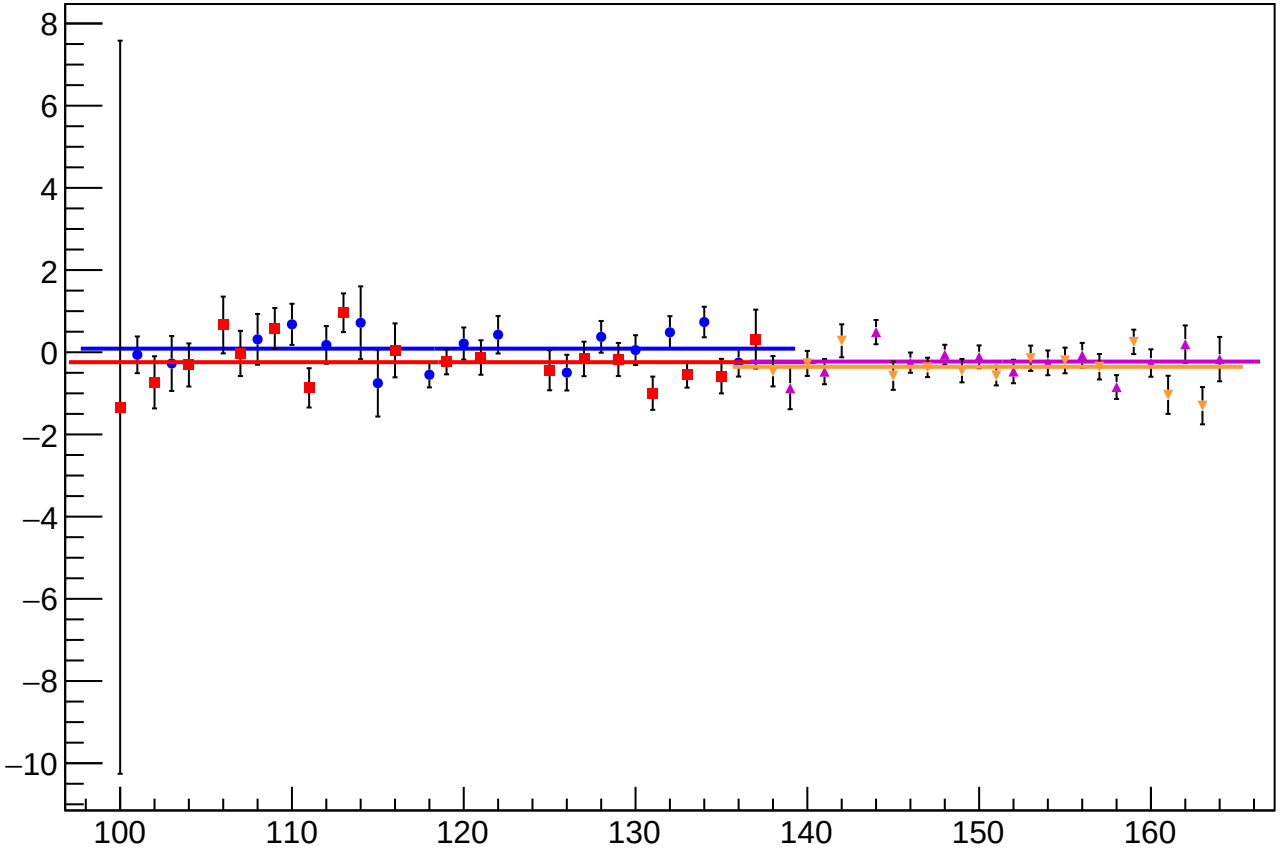
Left In: -0.225+/-0.102 χ^2/NDF:8.6/12

+ sign -0.358+/-0.073 χ^2/NDF: 42.3/28

All: -0.353+/-0.052 χ^2/NDF: 96.2/59

- 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+/-0.087 χ^2/NDF:15.3/12

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

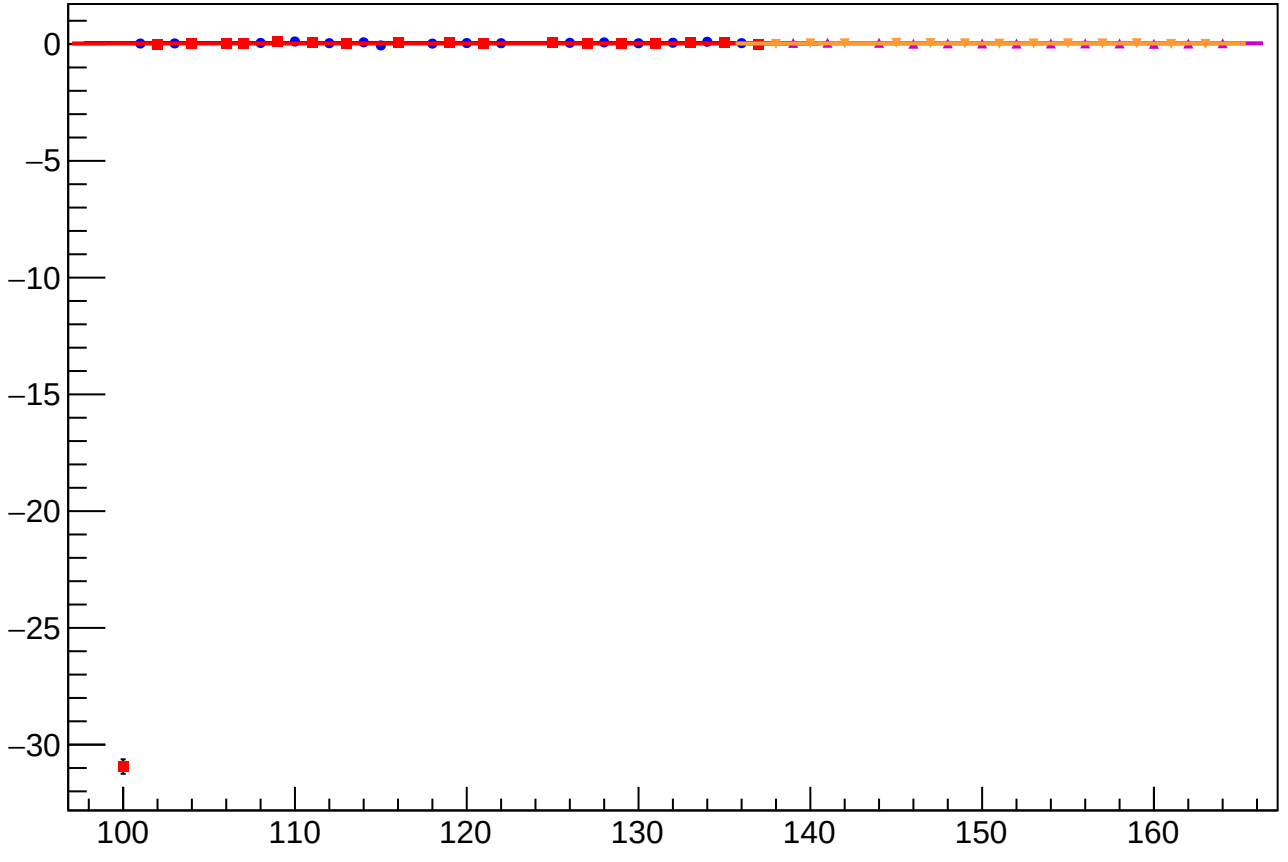
Left In: -0.227+/-0.086 χ^2/NDF:15.2/12

+ sign -0.181+/-0.068 χ^2/NDF: 41.3/28

All: -0.207+/-0.048 χ^2/NDF: 76.4/59

- 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:10.4/12

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

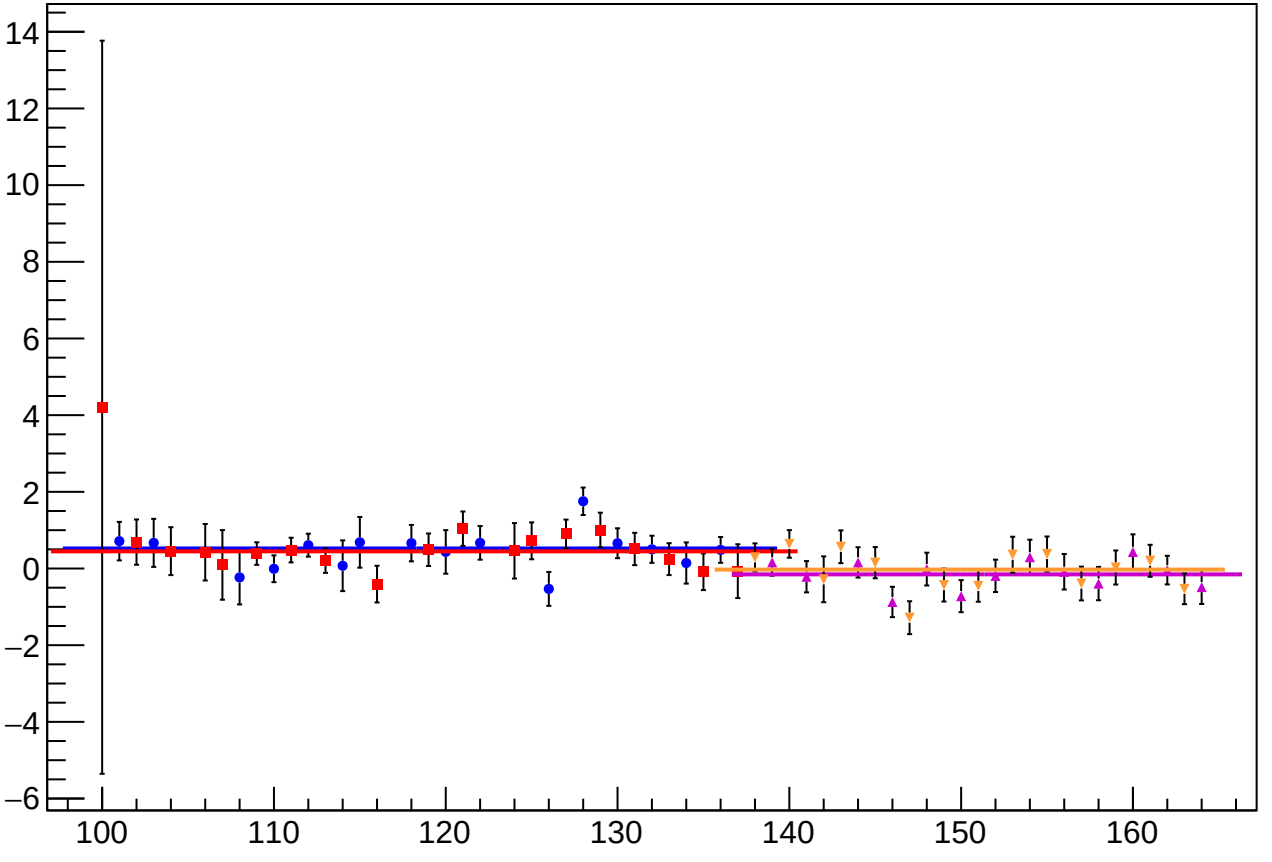
Left In: 0.035+/-0.004 χ^2/NDF:12.0/12

+ sign 0.033+/-0.003 χ^2/NDF: 38.1/28

All: 0.033+/-0.002 χ^2/NDF: 10072.0/59

- 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: -0.028+/-0.113 χ^2/NDF:21.1/13

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

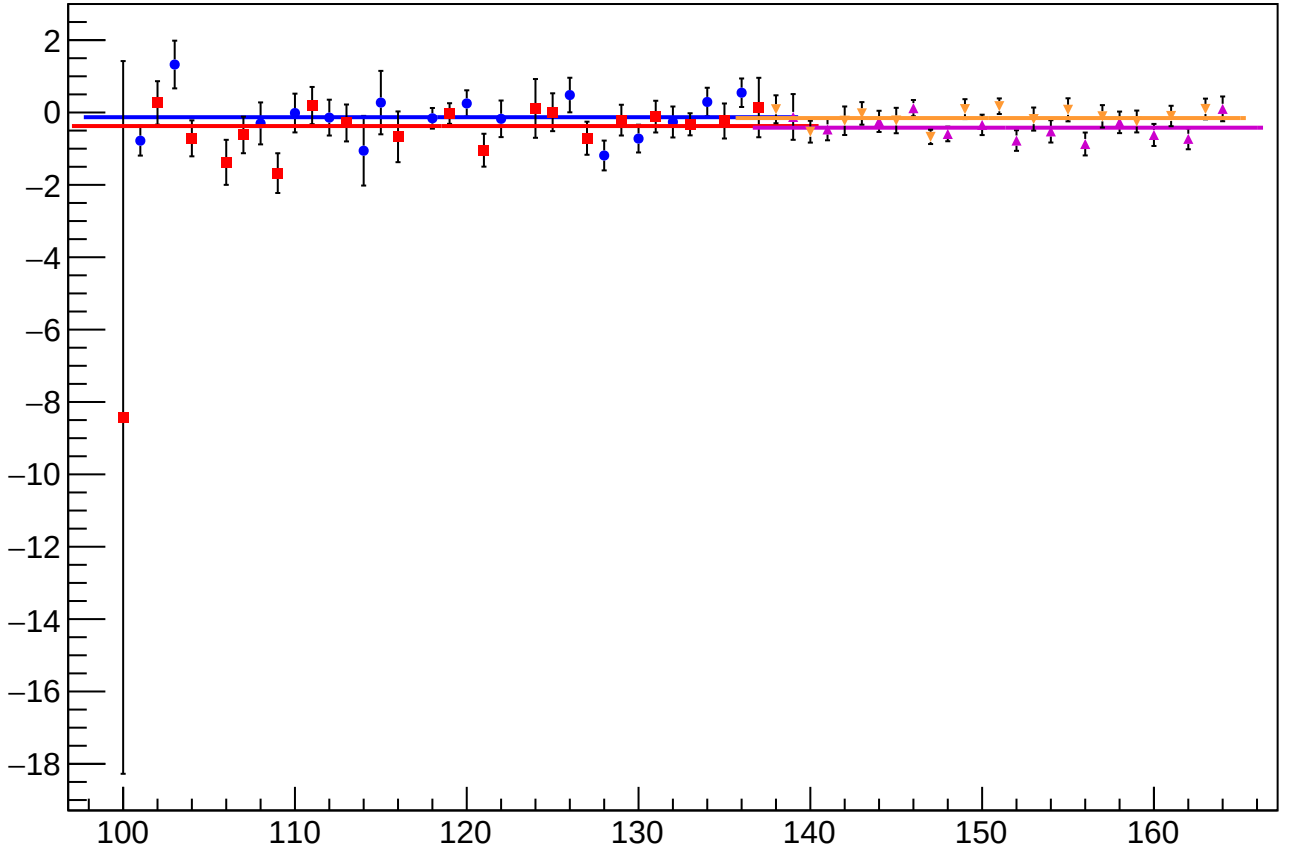
Left In: -0.153+/-0.115 χ^2/NDF:10.3/12

\+ sign 0.259+/-0.078 χ^2/NDF: 56.0/29

All: 0.216+/-0.055 χ^2/NDF: 93.2/61

\- 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: -0.154+/-0.077 χ^2/NDF:13.7/13

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

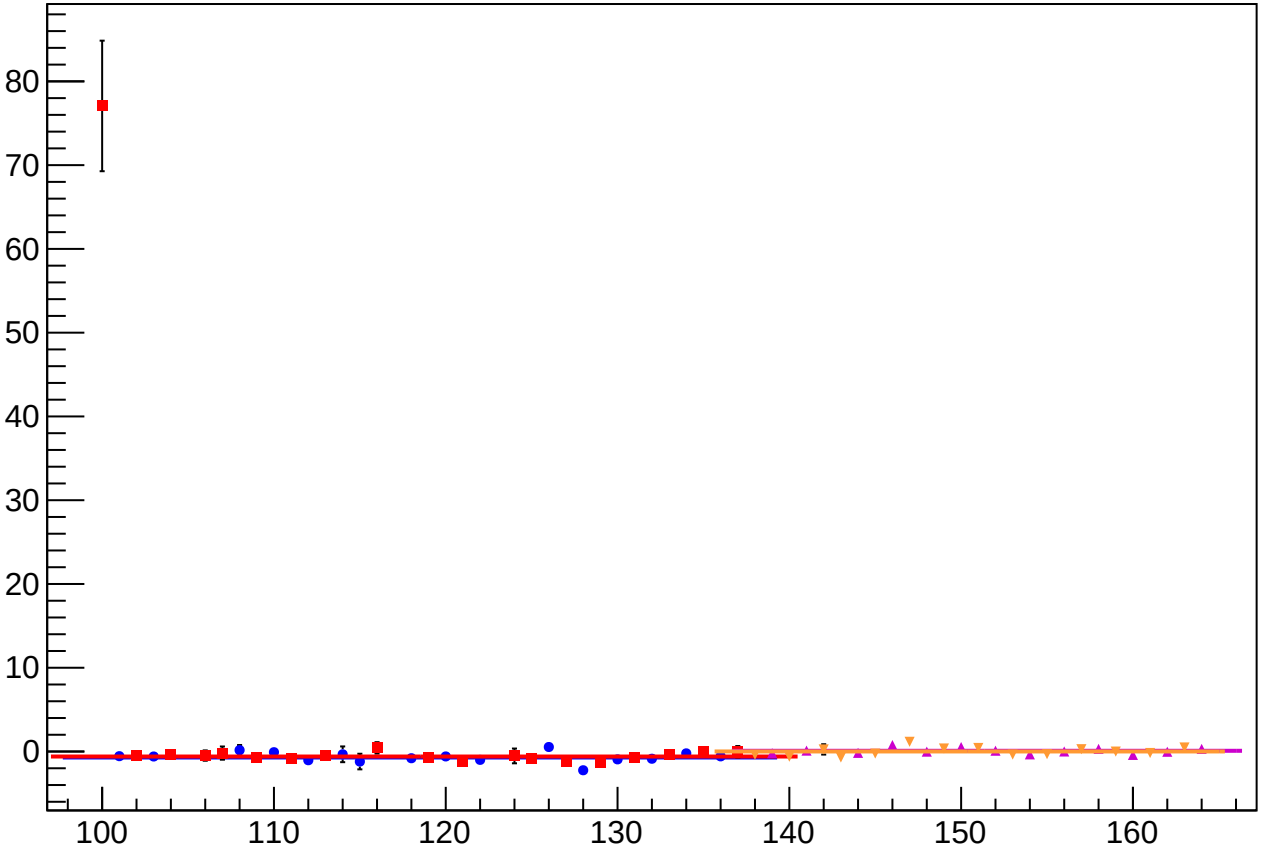
Left In: -0.420+/-0.080 χ^2/NDF:15.0/12

+ sign -0.146+/-0.063 χ^2/NDF: 38.3/29

All: -0.273+/-0.045 χ^2/NDF: 79.7/61

- 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: 0.007+/-0.110 χ^2/NDF:20.9/13

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

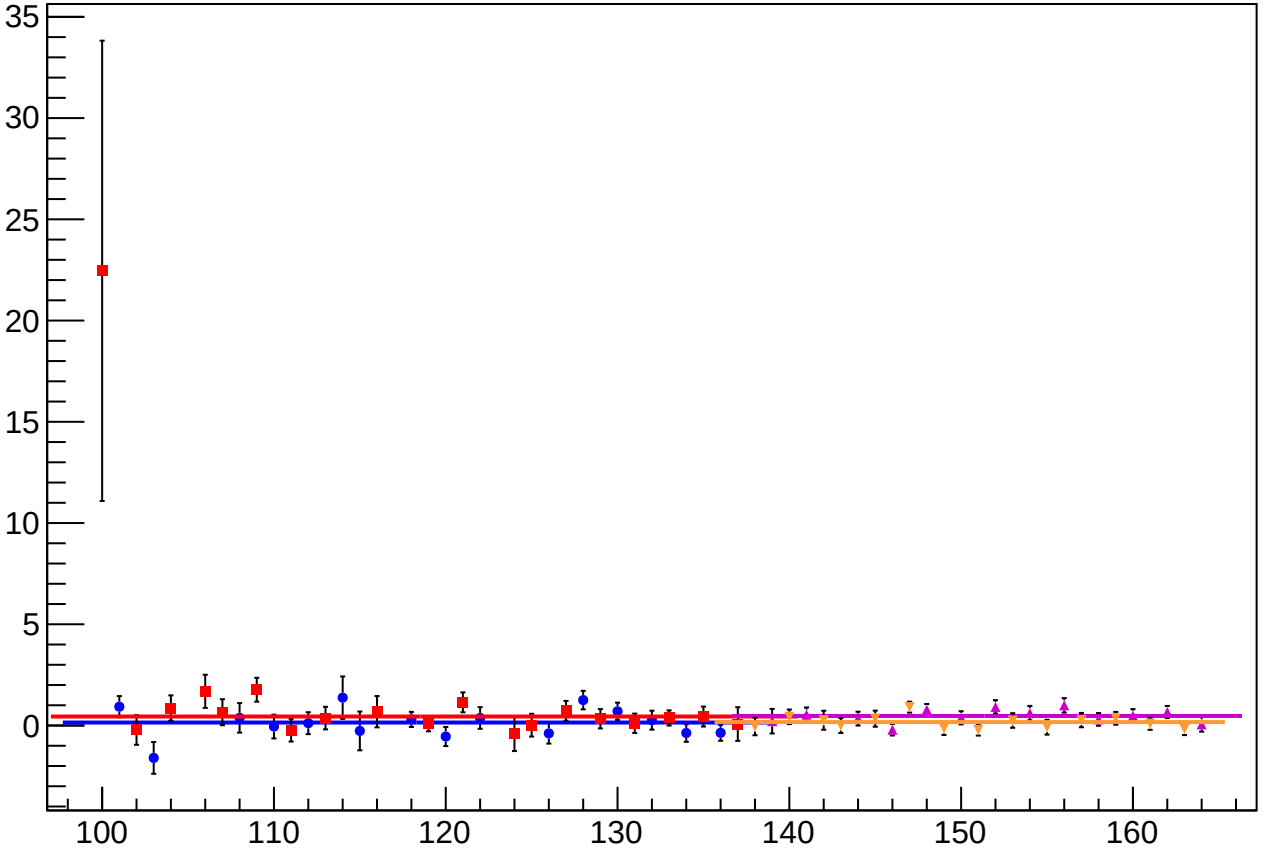
Left In: 0.086+/-0.111 χ^2/NDF:8.7/12

+ sign -0.317+/-0.082 χ^2/NDF: 65.1/29

All: -0.271+/-0.058 χ^2/NDF: 202.6/61

- 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: 0.170+/-0.090 χ^2/NDF:13.8/13

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

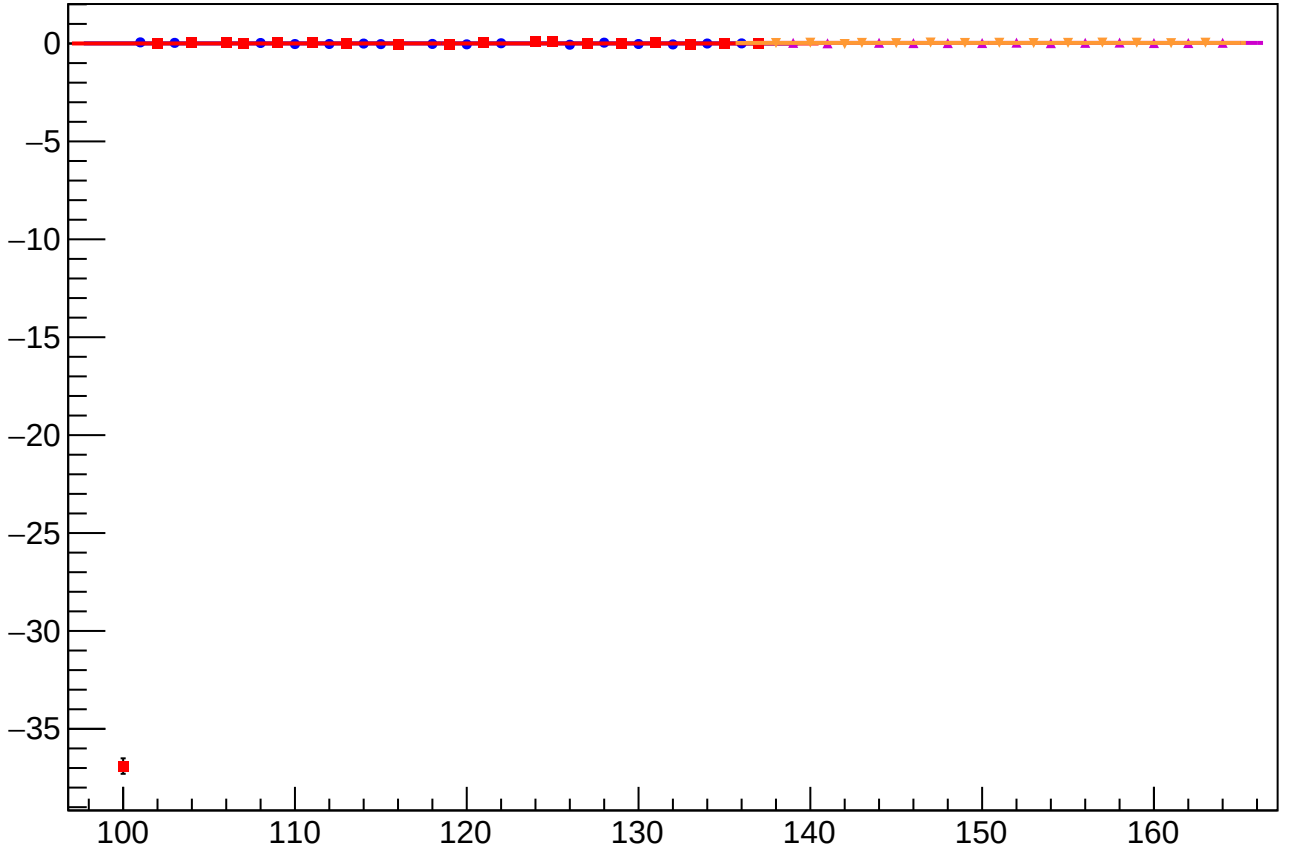
Left In: 0.472+/-0.093 χ^2/NDF:13.4/12

+ sign 0.162+/-0.074 χ^2/NDF: 37.0/29

All: 0.310+/-0.053 χ^2/NDF: 78.3/61

- 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: 0.030+/-0.004 χ^2/NDF:10.7/13

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

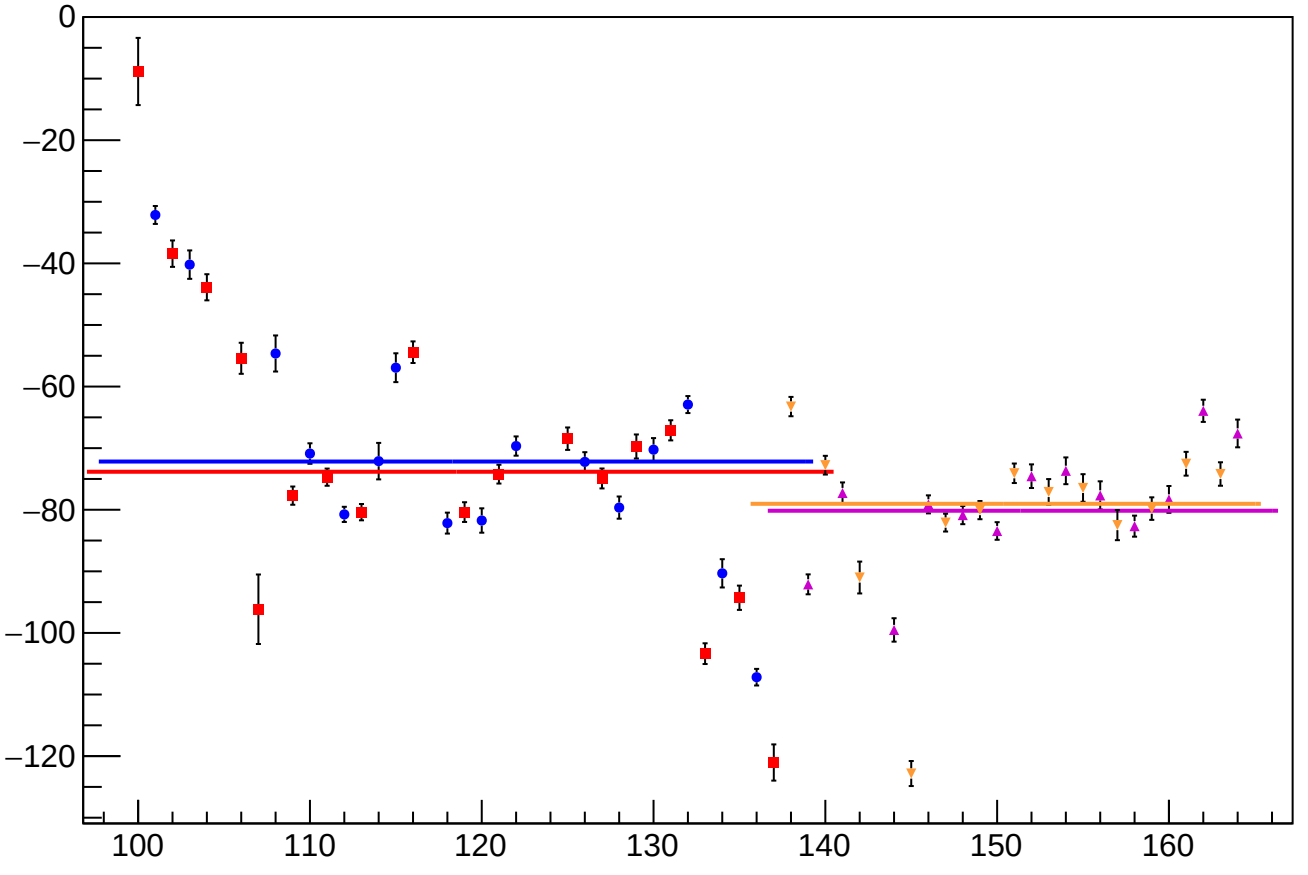
Left In: 0.030+/-0.004 χ^2/NDF:5.5/12

+ sign 0.024+/-0.004 χ^2/NDF: 36.2/29

All: 0.024+/-0.003 χ^2/NDF: 8805.9/61

- 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: -79.037+/-0.500 χ^2/NDF:640.8/12

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

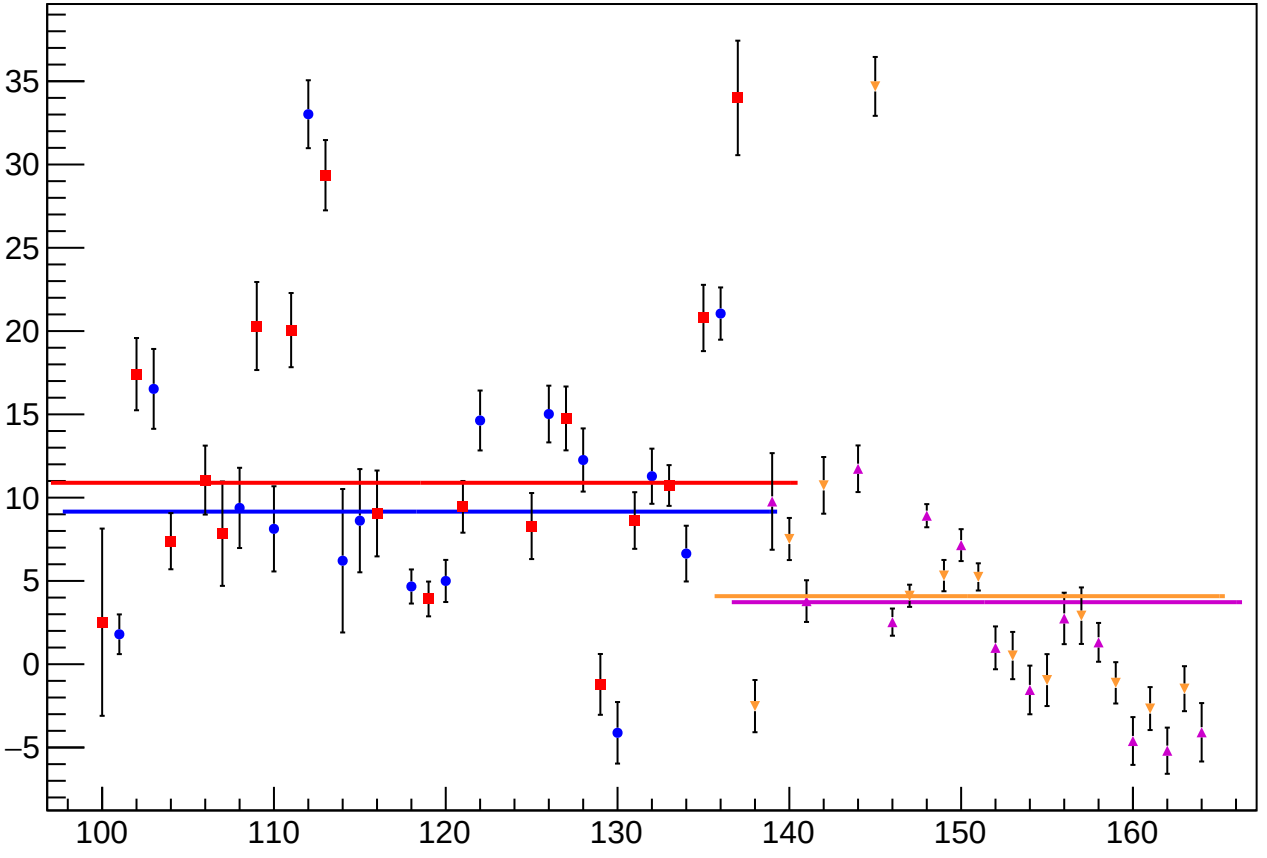
Left In: -80.160+/-0.491 χ^2/NDF:300.6/12

+ sign -75.107+/-0.327 χ^2/NDF: 2684.7/28

All: -75.852+/-0.230 χ^2/NDF: 4647.2/59

- 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: 4.085+/-0.322 χ^2/NDF:423.0/12

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

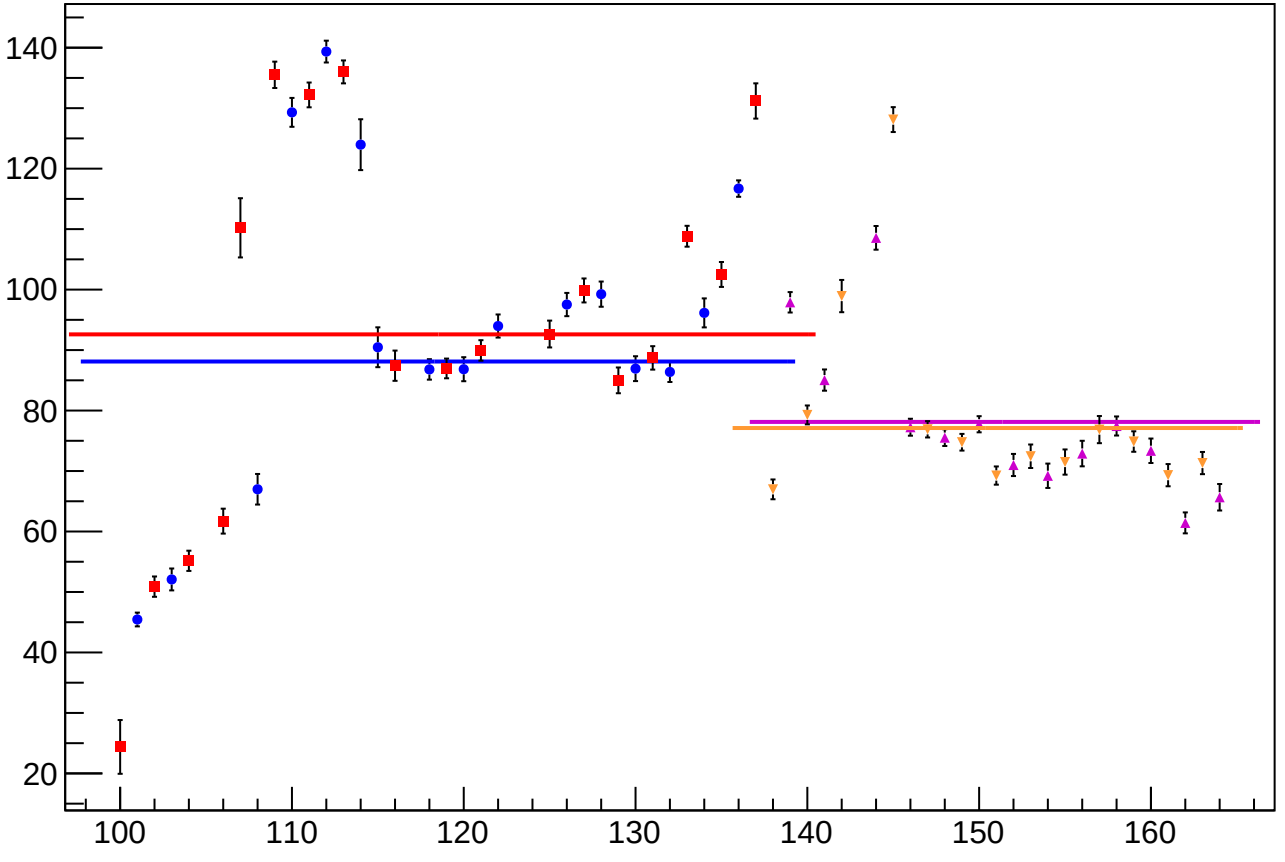
Left In: 3.724+/-0.325 χ^2/NDF:225.1/12

+ sign 5.936+/-0.257 χ^2/NDF: 865.7/28

All: 6.090+/-0.183 χ^2/NDF: 1553.5/59

- 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: 77.111+/-0.482 χ^2/NDF:794.0/12

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

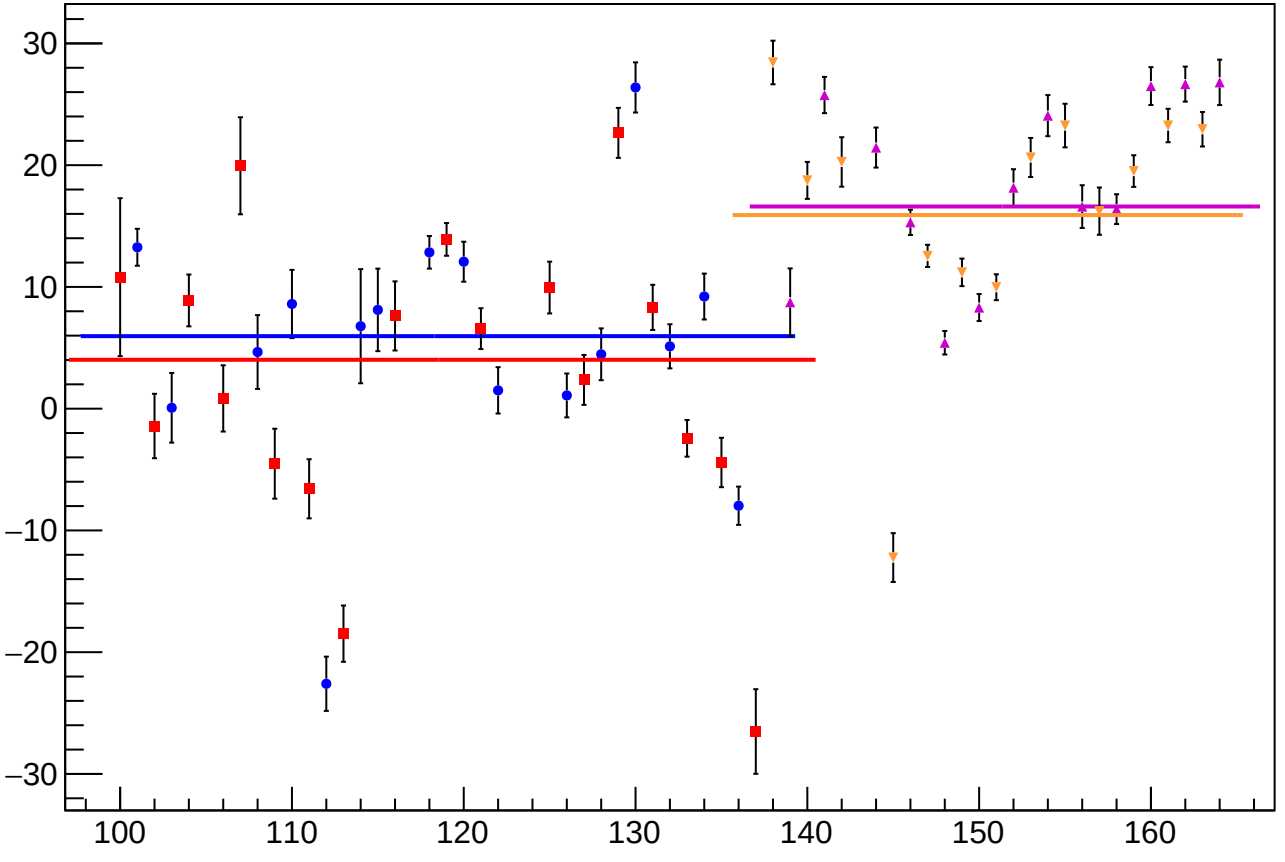
Left In: 78.121+/-0.472 χ^2/NDF:570.3/12

+ sign 82.762+/-0.336 χ^2/NDF: 4623.6/28

All: 83.969+/-0.238 χ^2/NDF: 8890.2/59

- 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: 15.903+/-0.387 χ^2/NDF:402.4/12

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

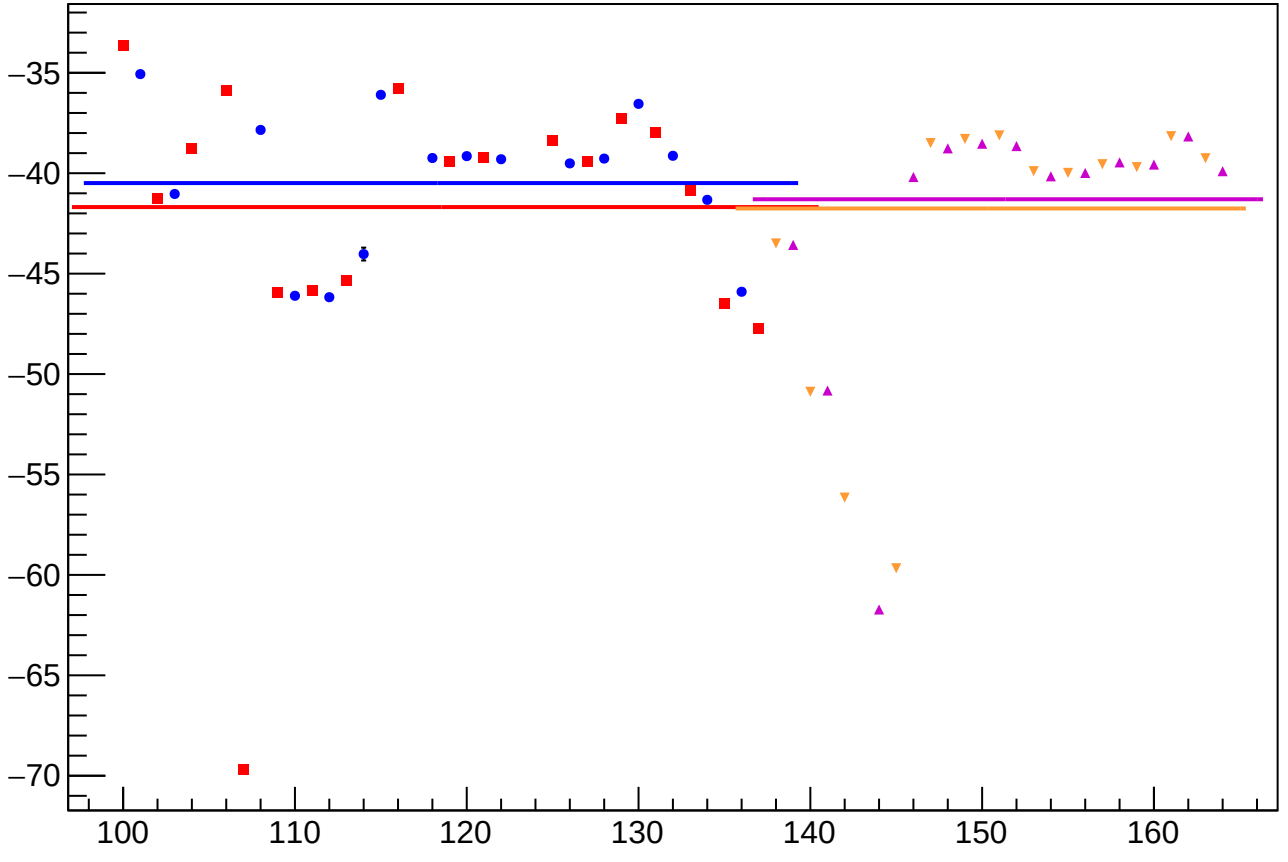
Left In: 16.607+/-0.386 χ^2/NDF:386.1/12

+ sign 12.132+/-0.305 χ^2/NDF: 1080.1/28

All: 12.077+/-0.216 χ^2/NDF: 2272.0/59

- 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: -41.755+/-0.019 χ^2/NDF:102039.9/12

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

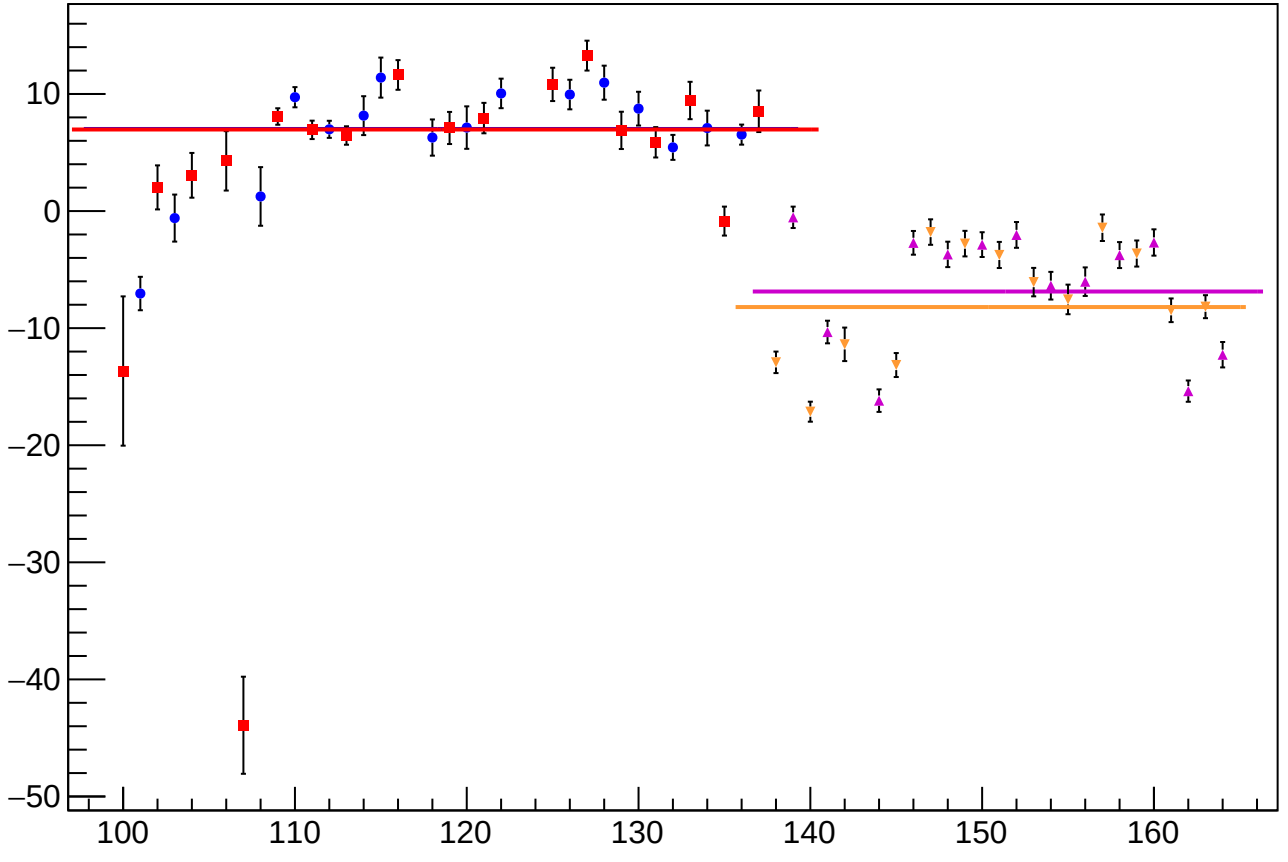
Left In: -41.296+/-0.018 χ^2/NDF:84531.7/12

+ sign -41.375+/-0.016 χ^2/NDF: 121560.4/28

All: -41.389+/-0.011 χ^2/NDF: 243060.9/59

- 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: -8.198+/-0.296 χ^2/NDF:295.3/12

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

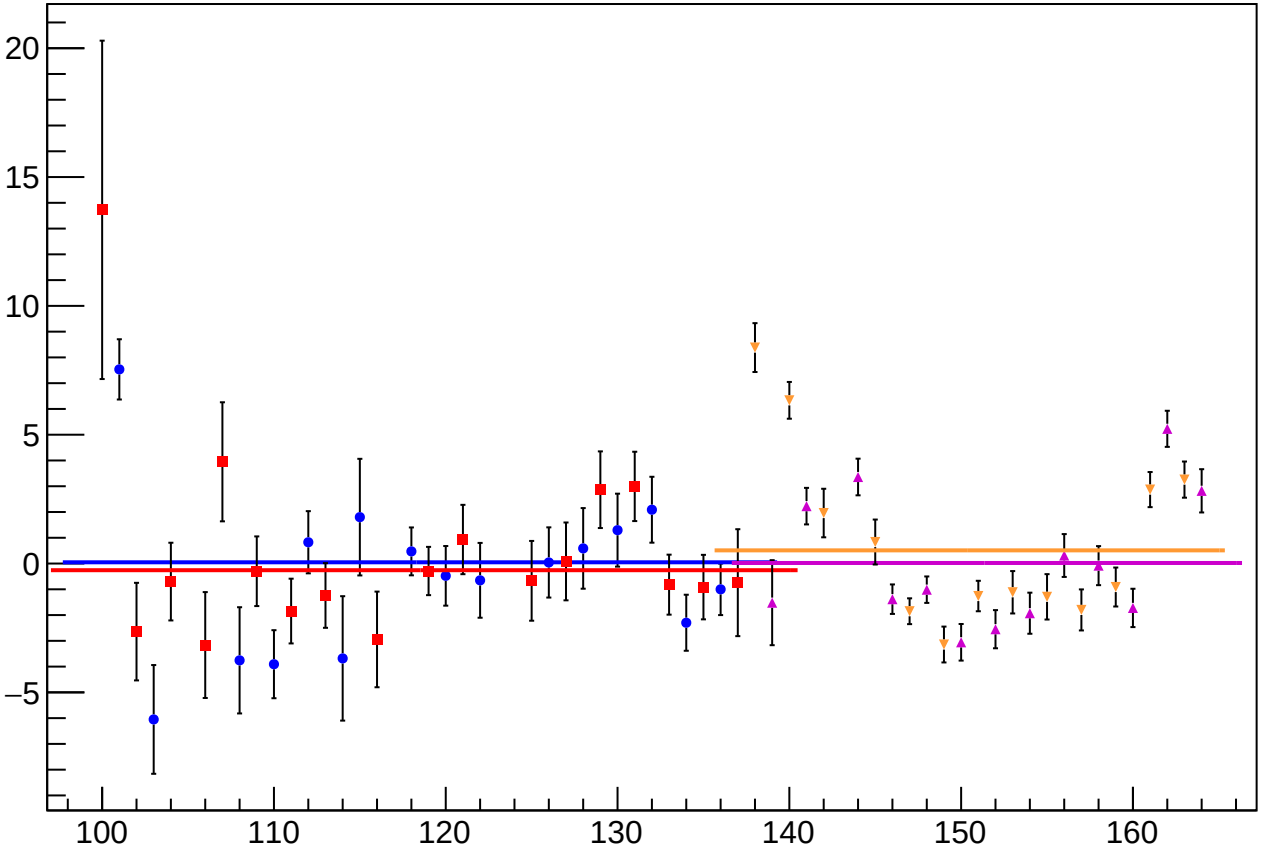
Left In: -6.871+/-0.289 χ^2/NDF:348.5/12

\+ sign -0.919+/-0.214 χ^2/NDF: 1712.7/28

All: -0.528+/-0.149 χ^2/NDF: 3442.8/59

\- 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: 0.511+/-0.201 χ^2/NDF:244.2/12

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

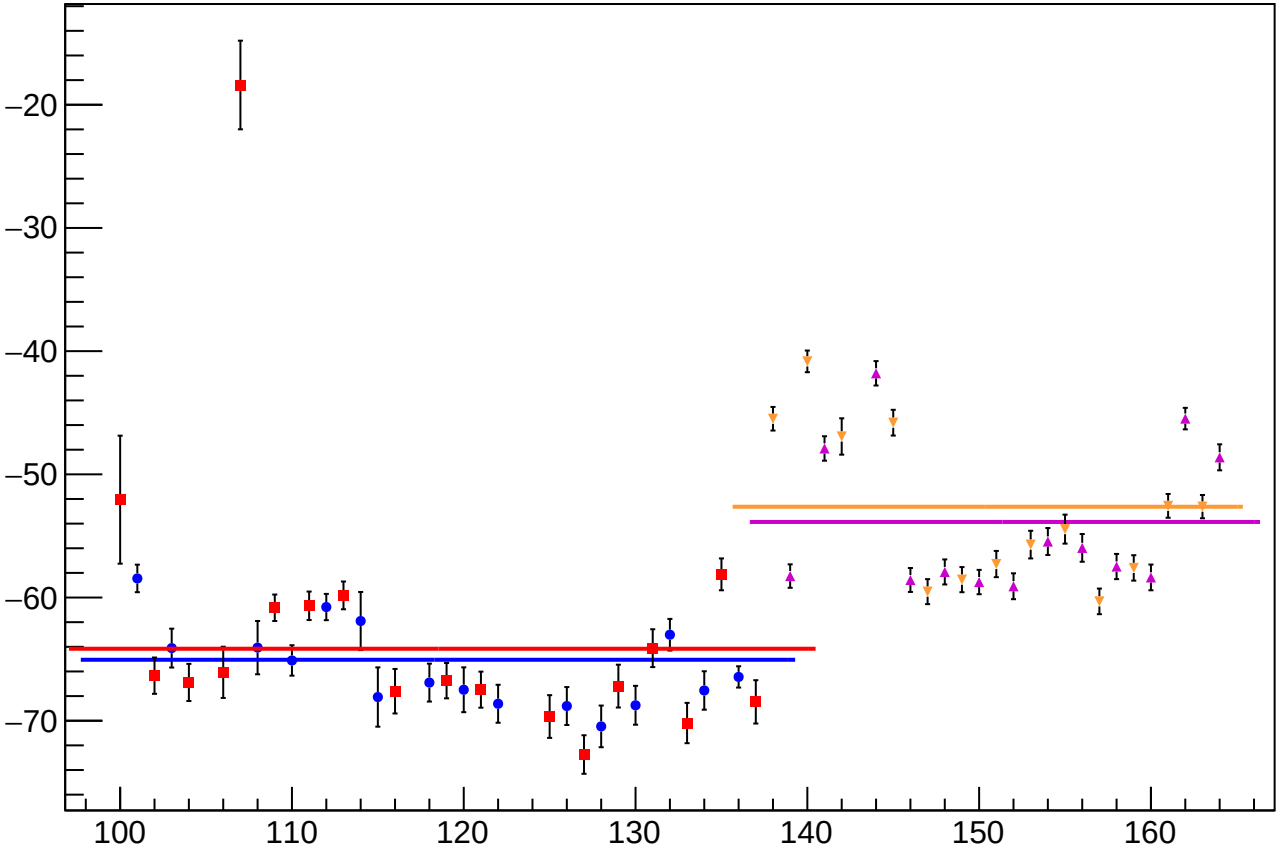
Left In: 0.022+/-0.200 χ^2/NDF:151.5/12

+ sign 0.387+/-0.172 χ^2/NDF: 320.6/28

All: 0.170+/-0.122 χ^2/NDF: 503.3/59

- 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: -52.630+/-0.287 χ^2/NDF:479.7/12

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

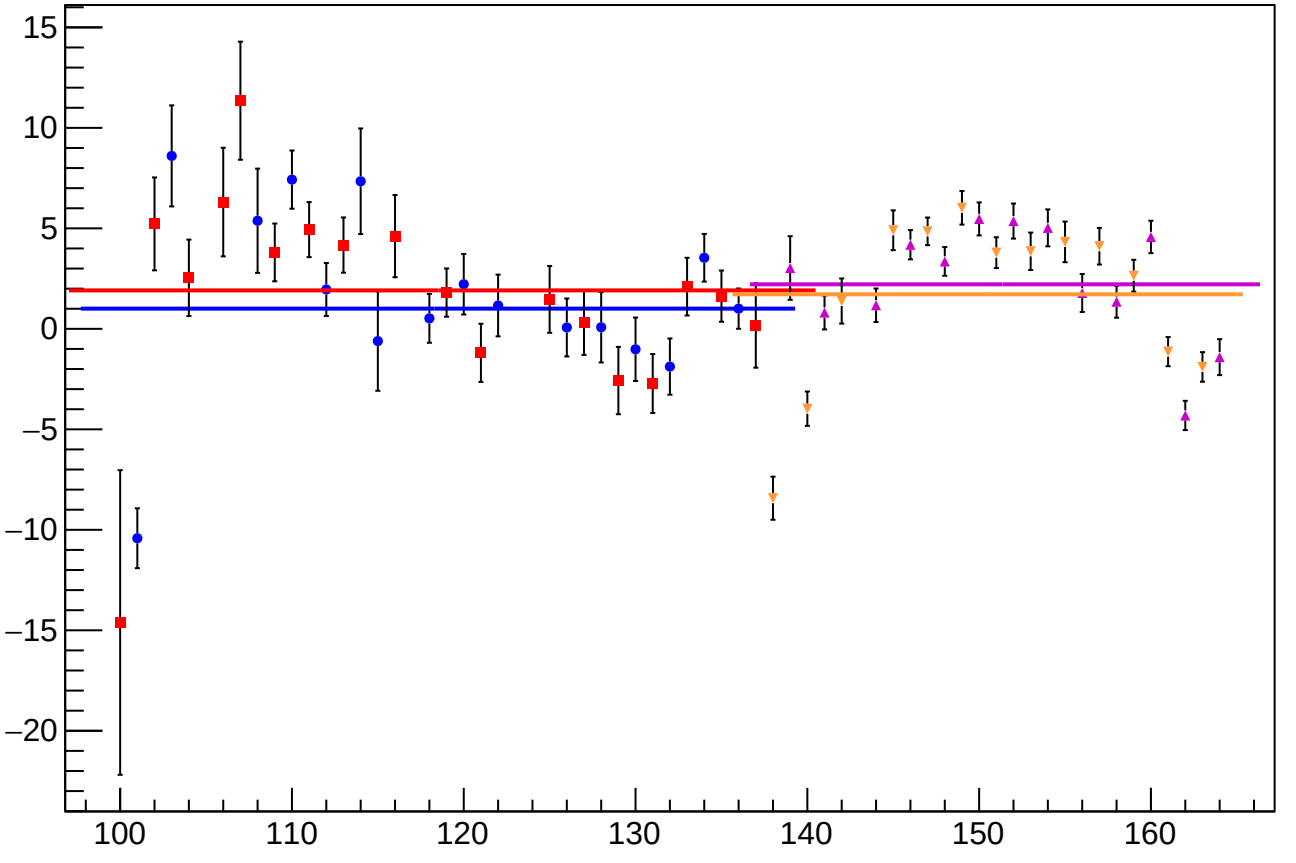
Left In: -53.865+/-0.280 χ^2/NDF:447.9/12

+ sign -57.556+/-0.223 χ^2/NDF: 1315.4/28

All: -57.644+/-0.157 χ^2/NDF: 2576.3/59

- 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: 1.718+/-0.236 χ^2/NDF:258.6/12

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

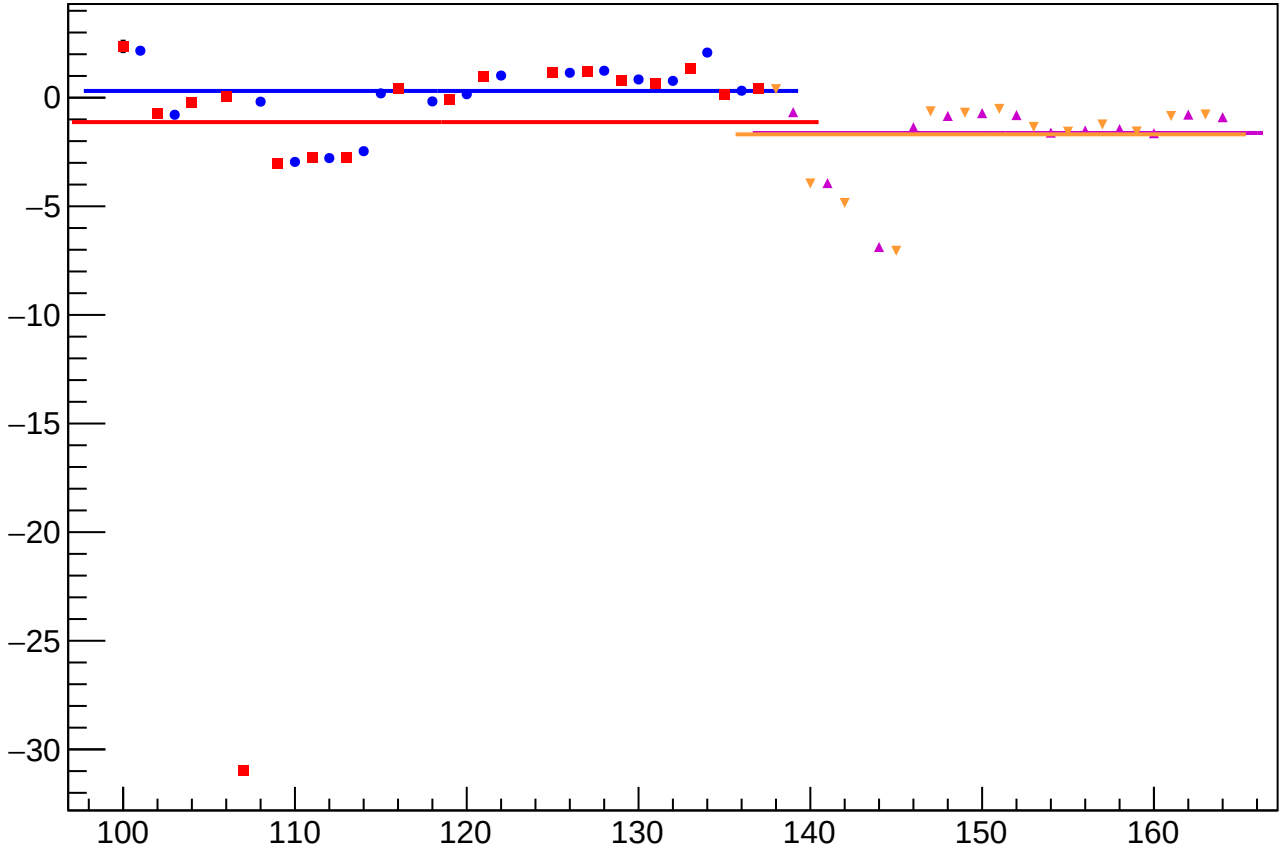
Left In: 2.215+/-0.233 χ^2/NDF:159.4/12

+ sign 1.517+/-0.200 χ^2/NDF: 370.5/28

All: 1.826+/-0.141 χ^2/NDF: 589.6/59

- 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: -1.687+/-0.011 χ^2/NDF:29499.9/12

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

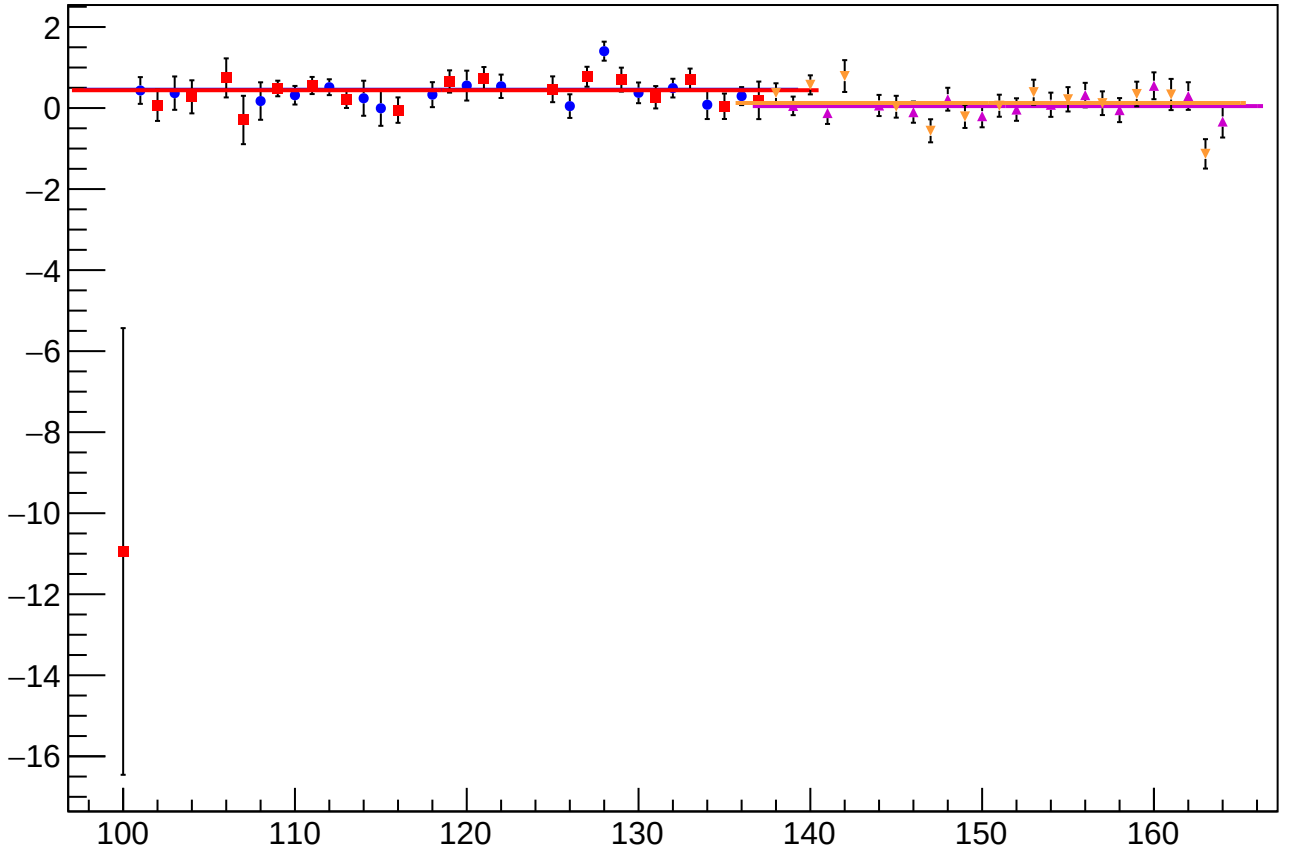
Left In: -1.624+/-0.010 χ^2/NDF:20534.4/12

+ sign -1.270+/-0.010 χ^2/NDF: 41460.0/28

All: -1.403+/-0.007 χ^2/NDF: 109135.3/59

- 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: 0.125+/-0.081 χ^2/NDF:28.5/12

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

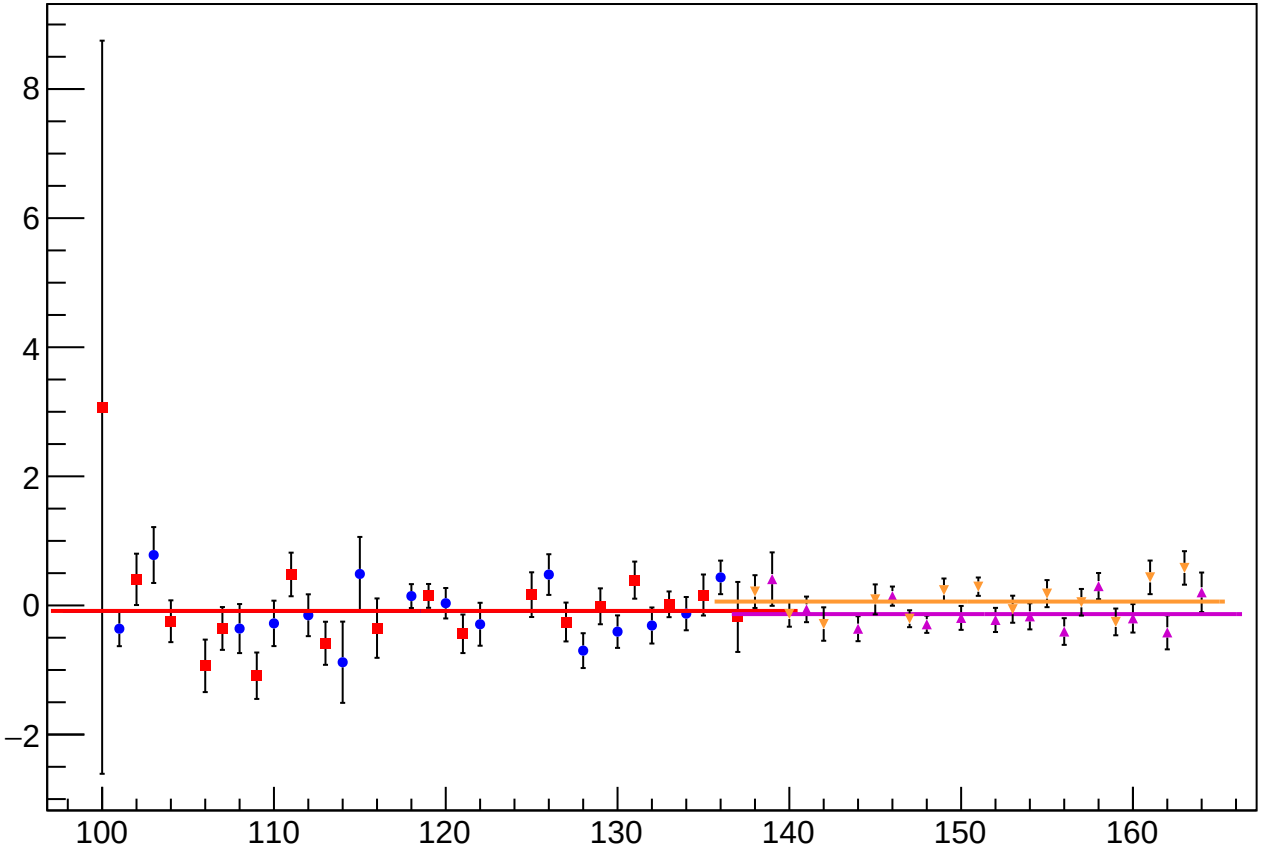
Left In: 0.048+/-0.079 χ^2/NDF:6.7/12

+ sign 0.309+/-0.053 χ^2/NDF: 60.4/28

All: 0.289+/-0.037 χ^2/NDF: 99.7/59

- 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: 0.060+/-0.055 χ^2/NDF:19.9/12

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

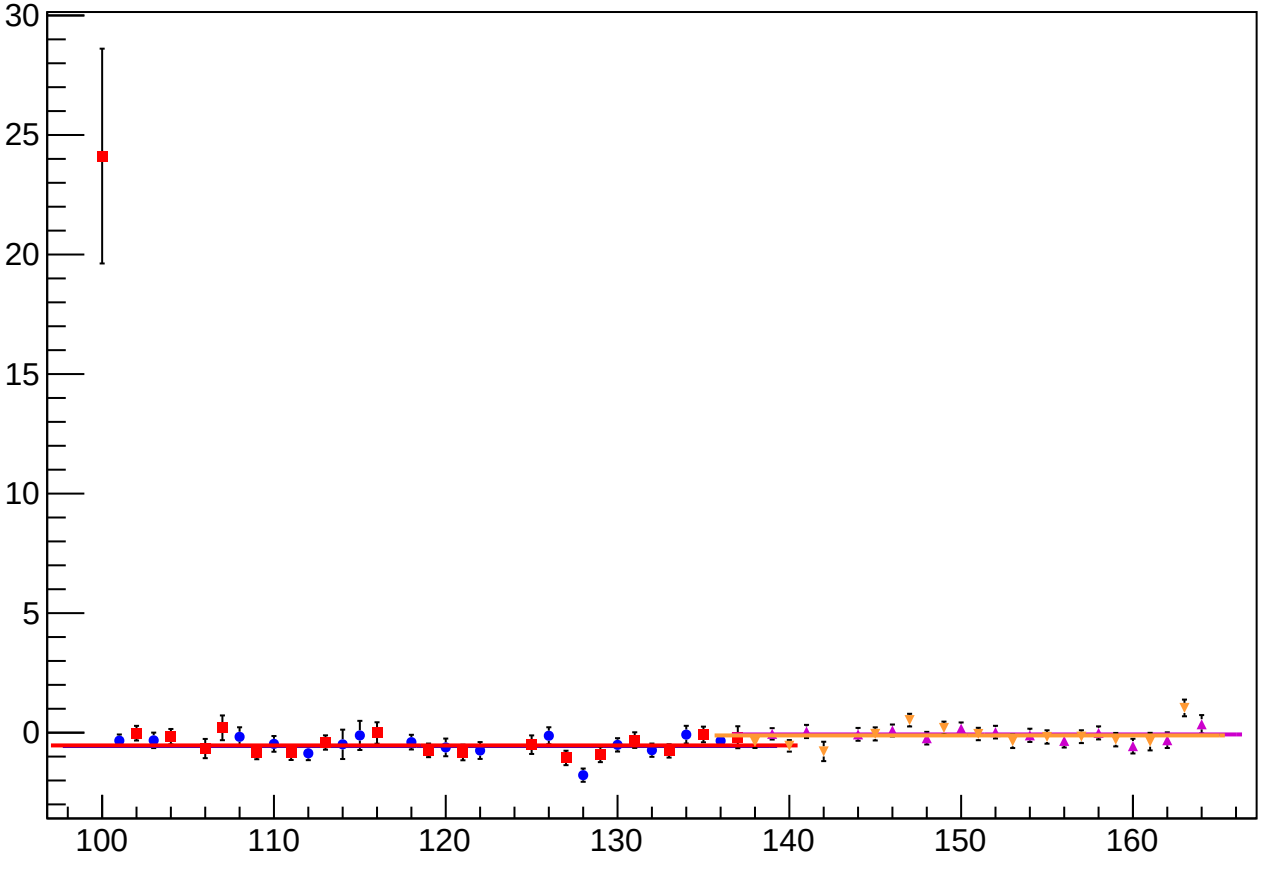
Left In: -0.134+/-0.055 χ^2/NDF:17.2/12

+ sign 0.007+/-0.044 χ^2/NDF: 47.9/28

All: -0.055+/-0.031 χ^2/NDF: 97.3/59

- 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: -0.115+/-0.078 χ^2/NDF:27.0/12

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

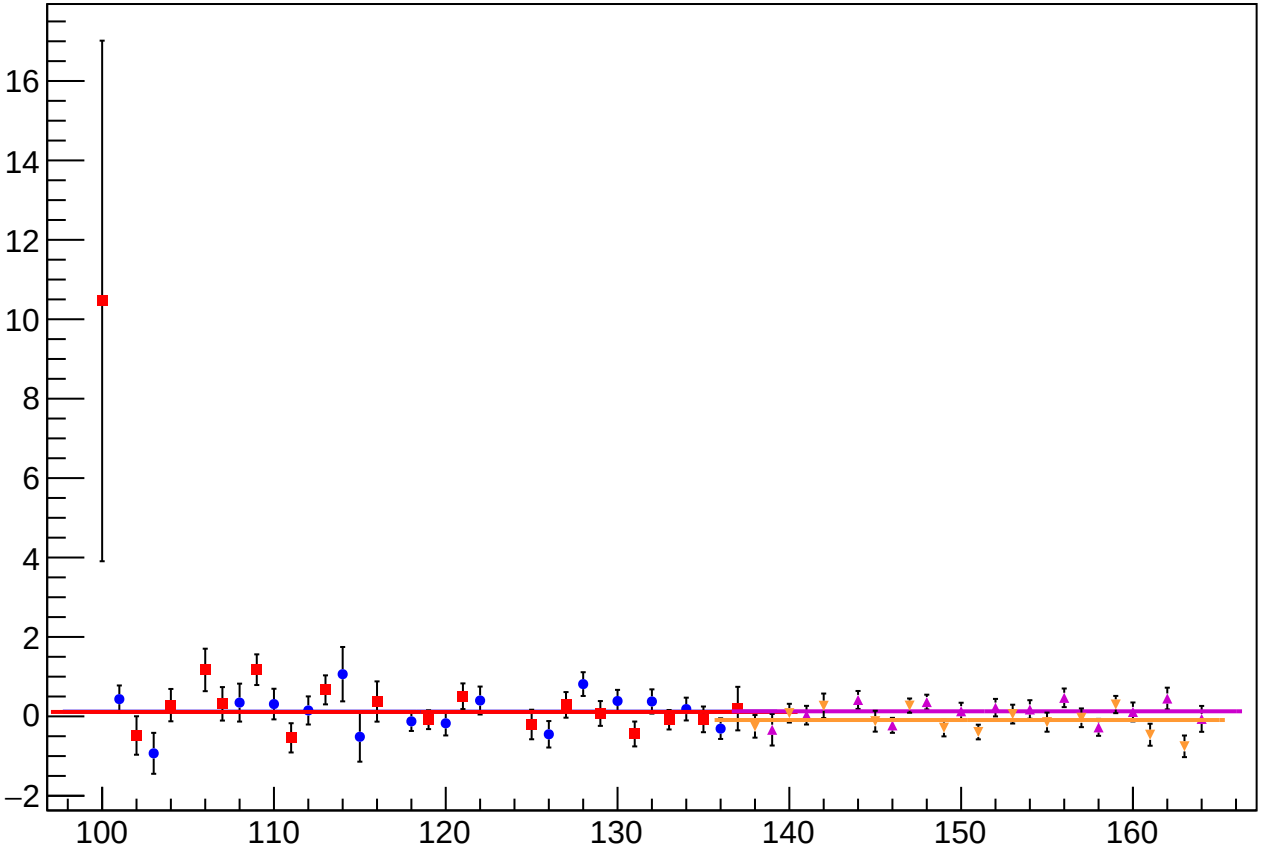
Left In: -0.074+/-0.077 χ^2/NDF:7.3/12

+ sign -0.333+/-0.056 χ^2/NDF: 71.1/28

All: -0.313+/-0.039 χ^2/NDF: 144.9/59

- 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: -0.092+/-0.065 χ^2/NDF:21.2/12

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

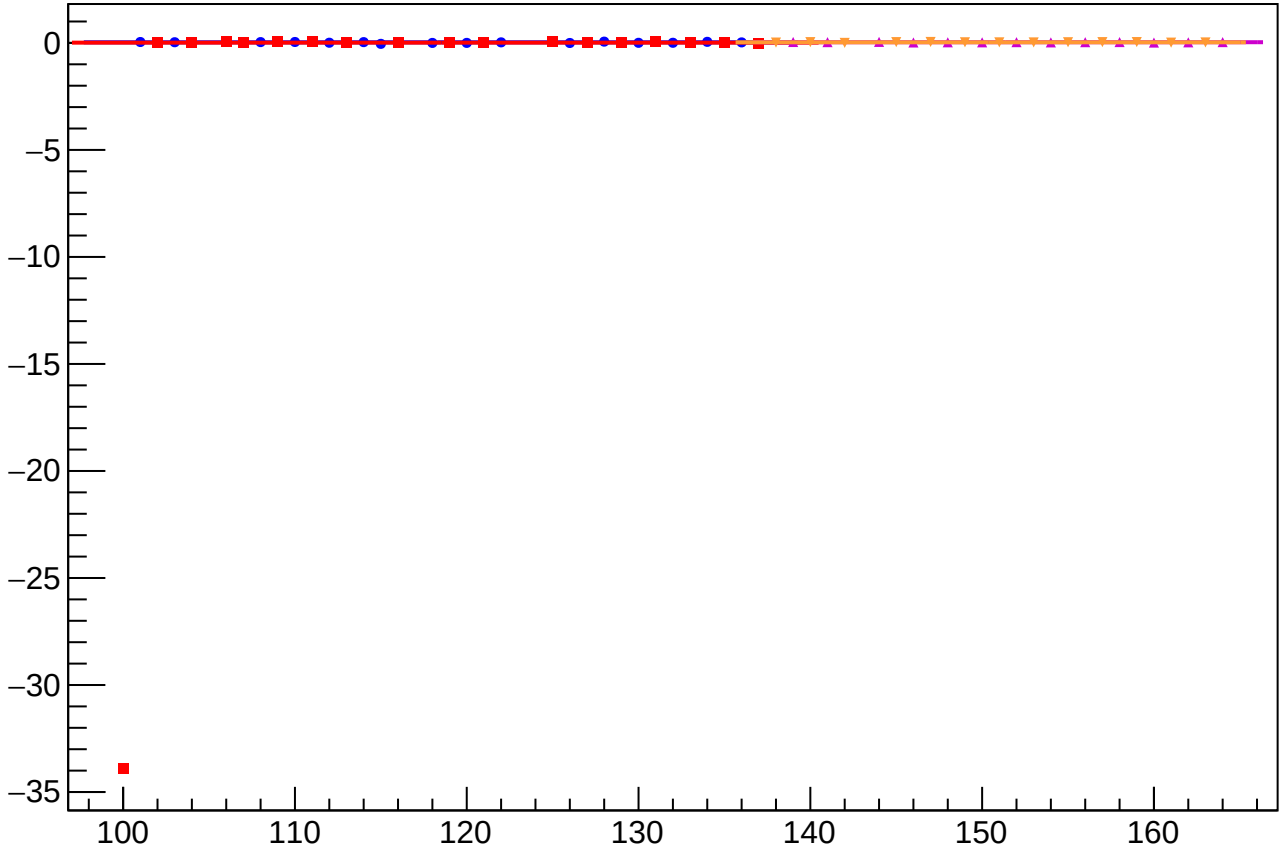
Left In: 0.128+/-0.064 χ^2/NDF:15.9/12

+ sign -0.013+/-0.051 χ^2/NDF: 48.7/28

All: 0.054+/-0.036 χ^2/NDF: 97.1/59

- 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:11.4/12

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

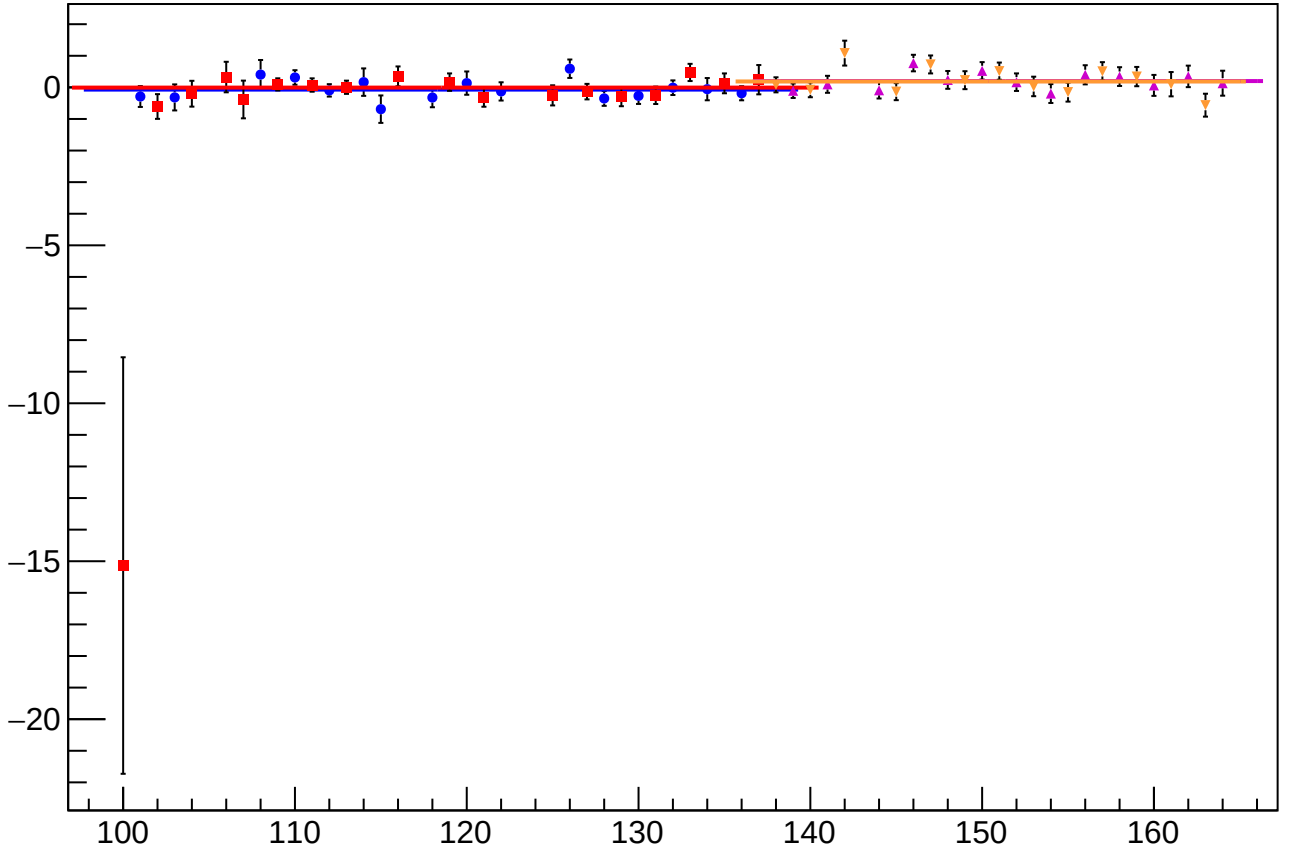
Left In: 0.032+/-0.003 χ^2/NDF:8.7/12

+ sign 0.028+/-0.003 χ^2/NDF: 26.1/28

All: 0.027+/-0.002 χ^2/NDF: 22309.7/59

- 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: 0.187+/-0.081 χ^2/NDF:20.4/12

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

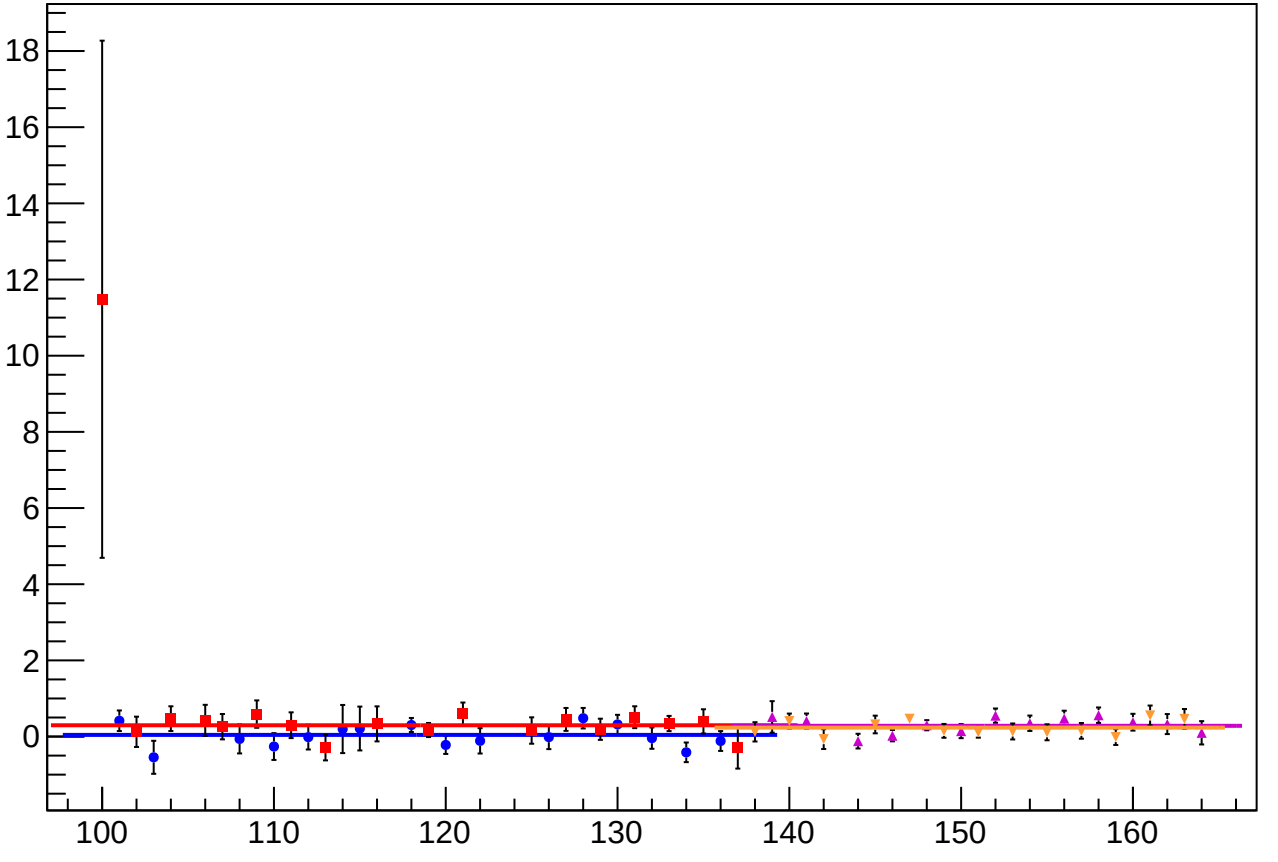
Left In: 0.200+/-0.079 χ^2/NDF:12.1/12

+ sign 0.042+/-0.053 χ^2/NDF: 41.6/28

All: 0.063+/-0.037 χ^2/NDF: 76.0/59

- 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: 0.235+/-0.055 χ^2/NDF:11.0/12

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

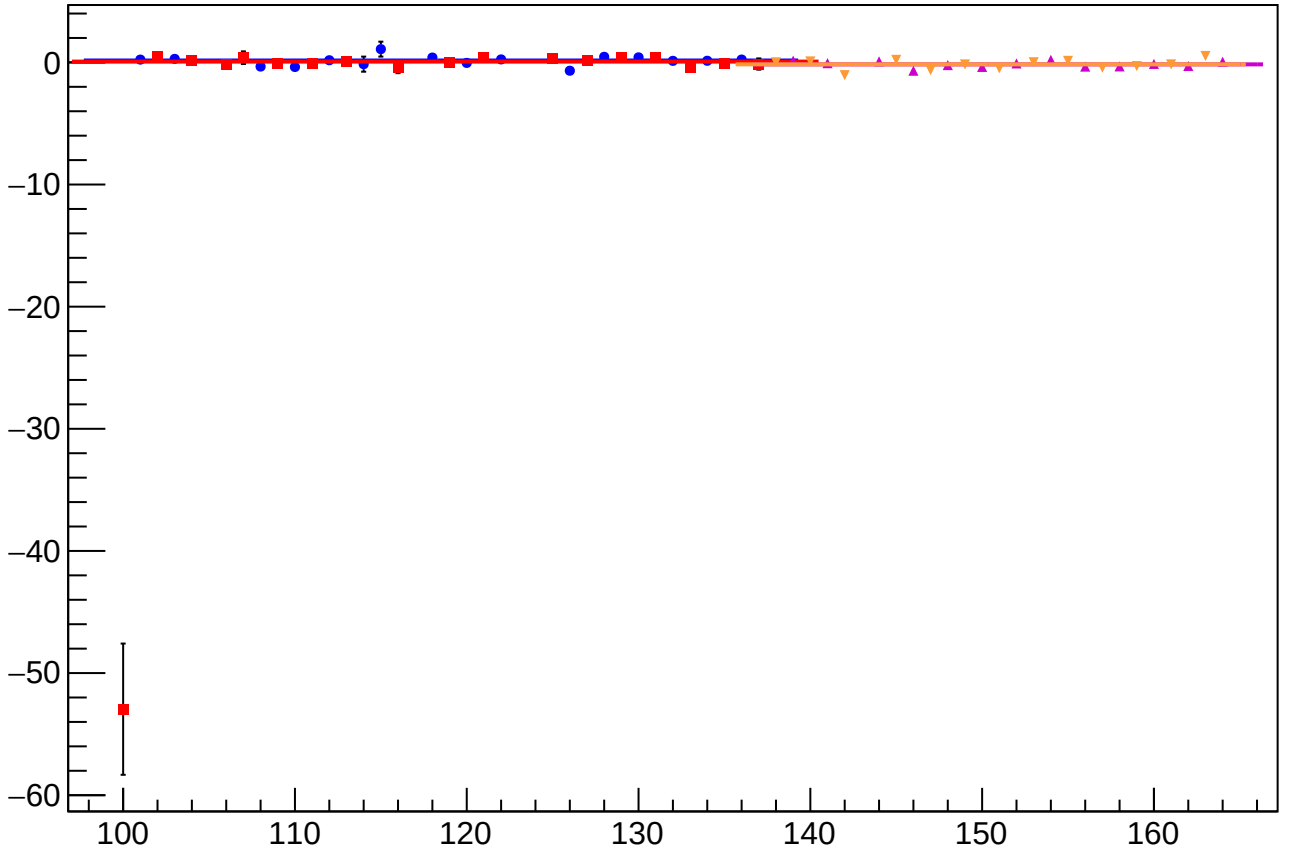
Left In: 0.282+/-0.055 χ^2/NDF:14.1/12

+ sign 0.166+/-0.044 χ^2/NDF: 31.1/28

All: 0.226+/-0.031 χ^2/NDF: 60.0/59

- 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: -0.159+/-0.078 χ^2/NDF:19.3/12

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

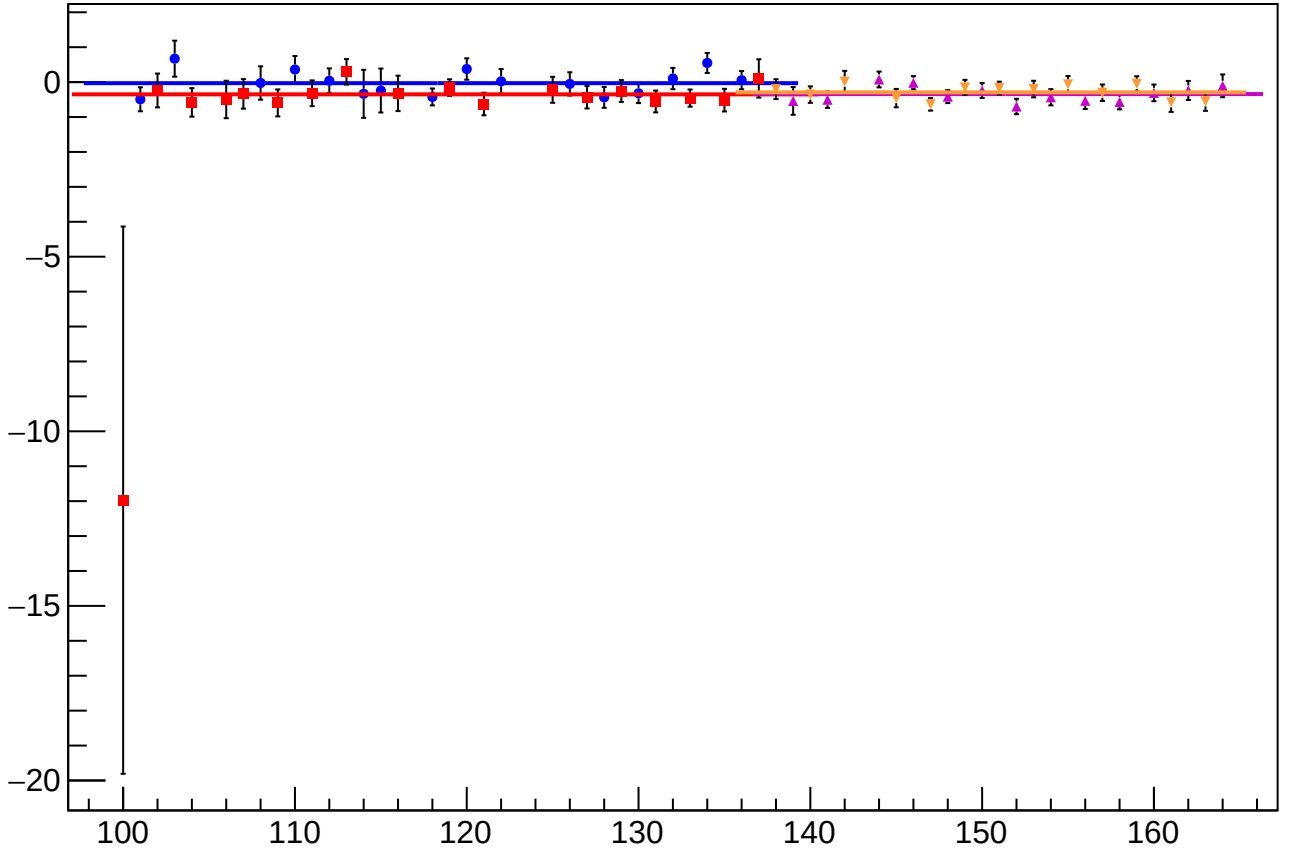
Left In: -0.162+/-0.077 χ^2/NDF:10.7/12

+ sign -0.006+/-0.056 χ^2/NDF: 42.7/28

All: -0.030+/-0.039 χ^2/NDF: 167.3/59

- 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: -0.293+/-0.065 χ^2/NDF:10.3/12

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

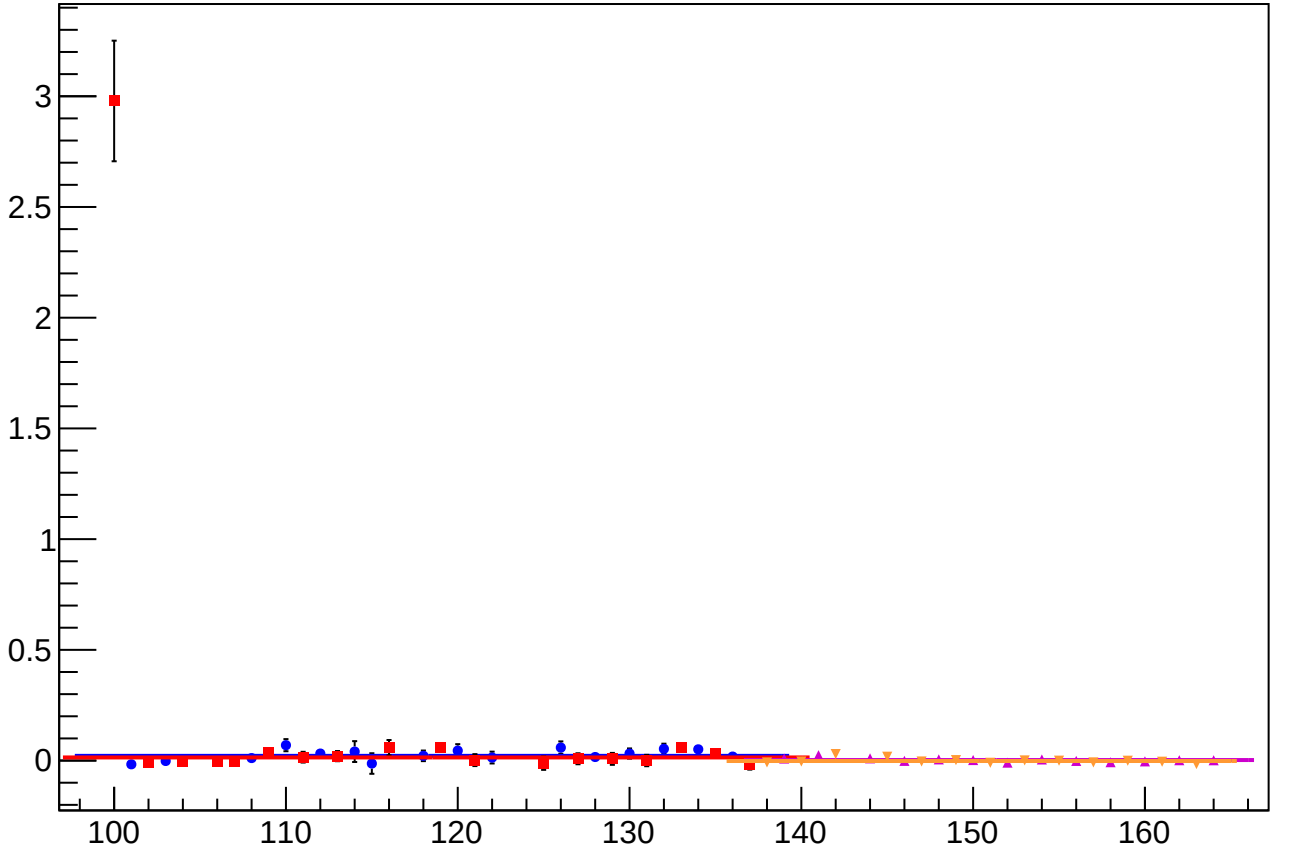
Left In: -0.343+/-0.064 χ^2/NDF:12.7/12

+ sign -0.195+/-0.051 χ^2/NDF: 33.3/28

All: -0.270+/-0.036 χ^2/NDF: 59.7/59

- 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: -0.002+/-0.003 χ^2/NDF:9.9/12

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

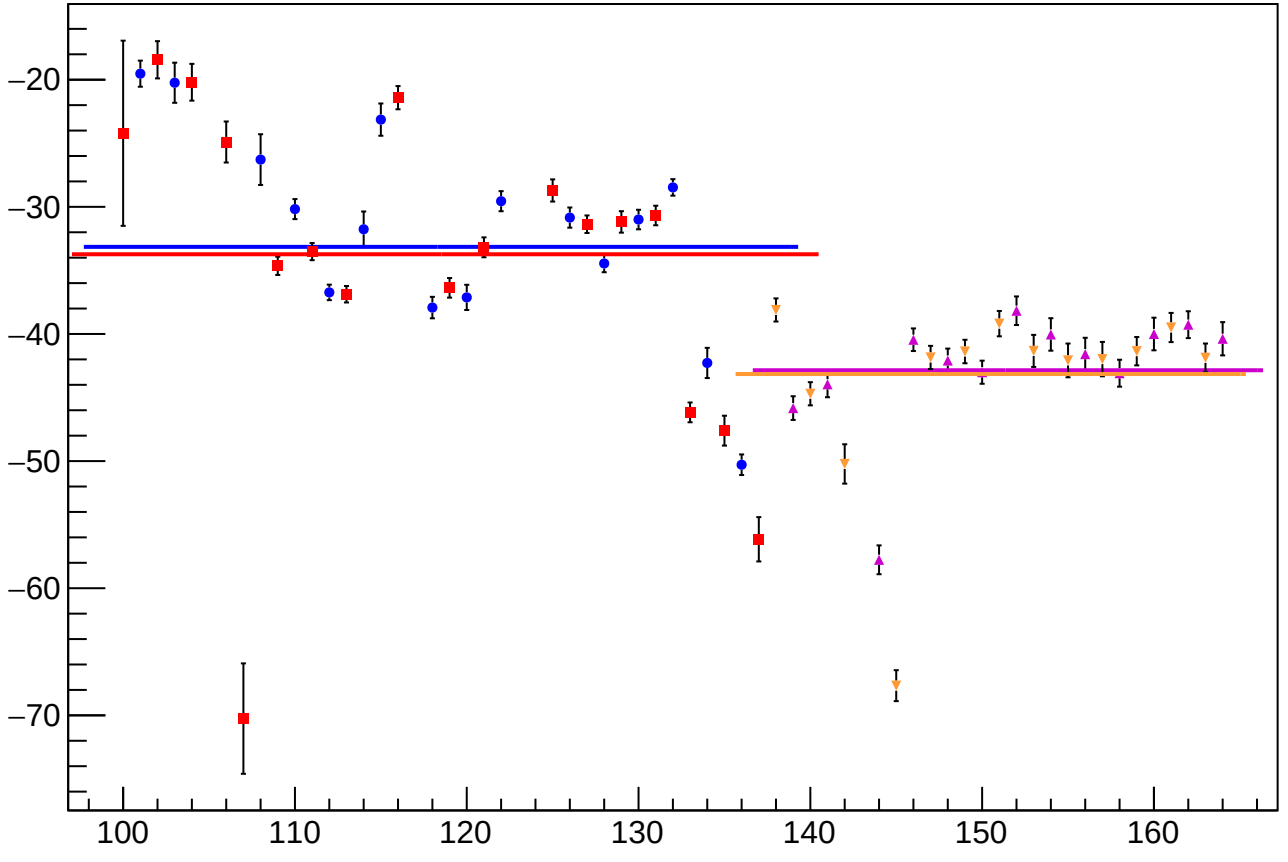
Left In: 0.002+/-0.003 χ^2/NDF:8.2/12

+ sign 0.004+/-0.003 χ^2/NDF: 49.3/28

All: 0.005+/-0.002 χ^2/NDF: 202.7/59

- 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: -43.153+/-0.302 χ^2/NDF:498.9/12

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

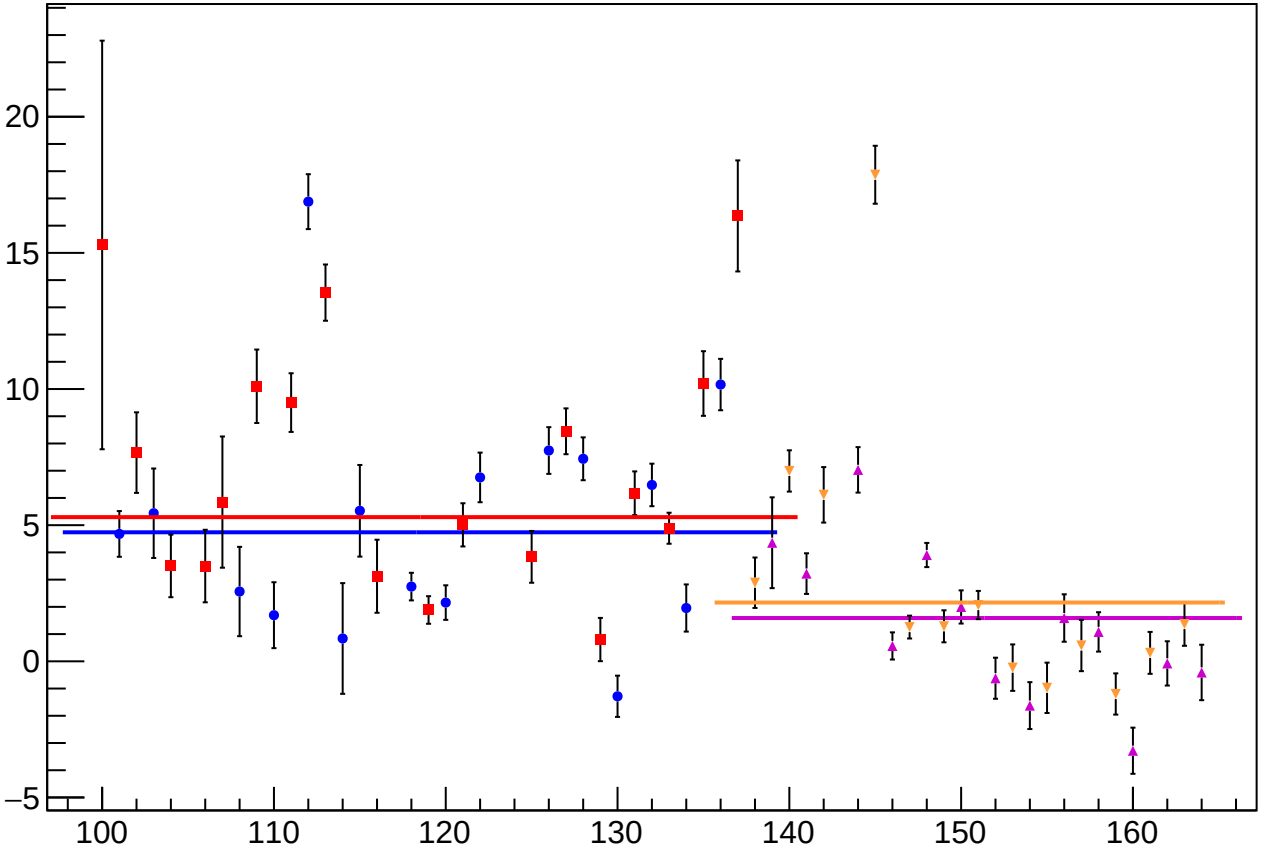
Left In: -42.854+/-0.295 χ^2/NDF:235.5/12

+ sign -36.578+/-0.177 χ^2/NDF: 2235.1/28

All: -36.738+/-0.124 χ^2/NDF: 4245.5/59

- 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: 2.159+/-0.197 χ^2/NDF:329.7/12

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

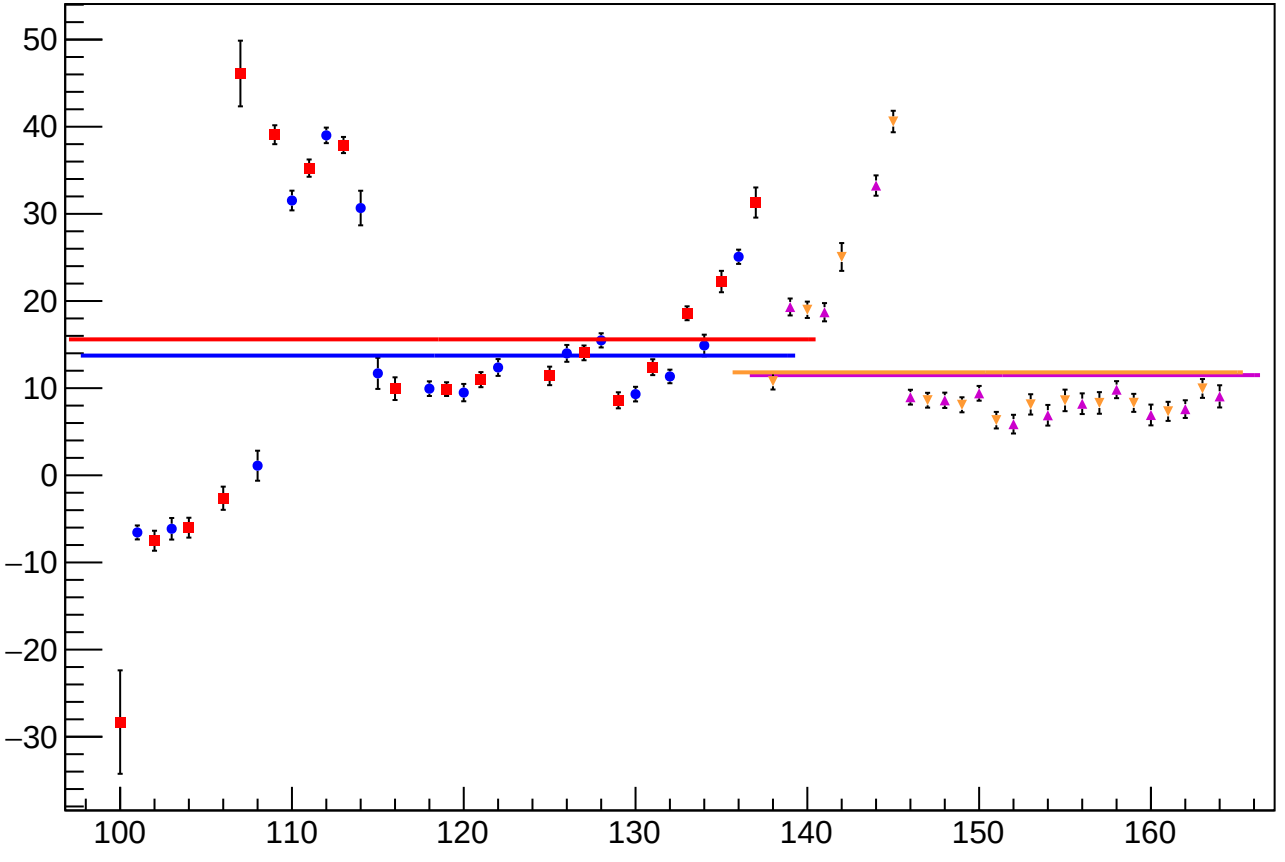
Left In: 1.590+/-0.198 χ^2/NDF:146.0/12

+ sign 3.313+/-0.147 χ^2/NDF: 735.8/28

All: 3.266+/-0.104 χ^2/NDF: 1281.3/59

- 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: 11.814+/-0.291 χ^2/NDF:796.1/12

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

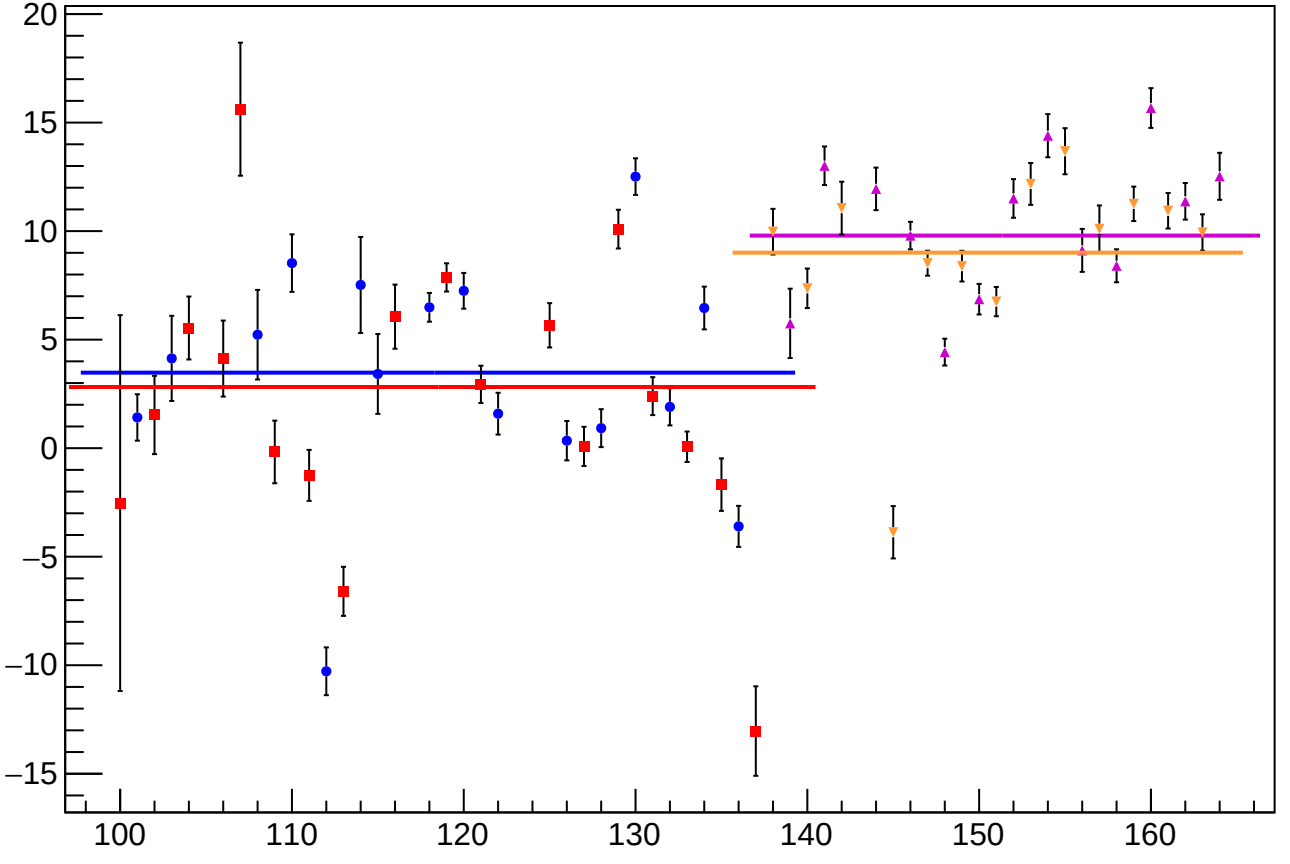
Left In: 11.495+/-0.284 χ^2/NDF:571.7/12

+ sign 12.934+/-0.188 χ^2/NDF: 3171.3/28

All: 13.372+/-0.133 χ^2/NDF: 6697.8/59

- 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: 9.009+/-0.236 χ^2/NDF:179.7/12

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

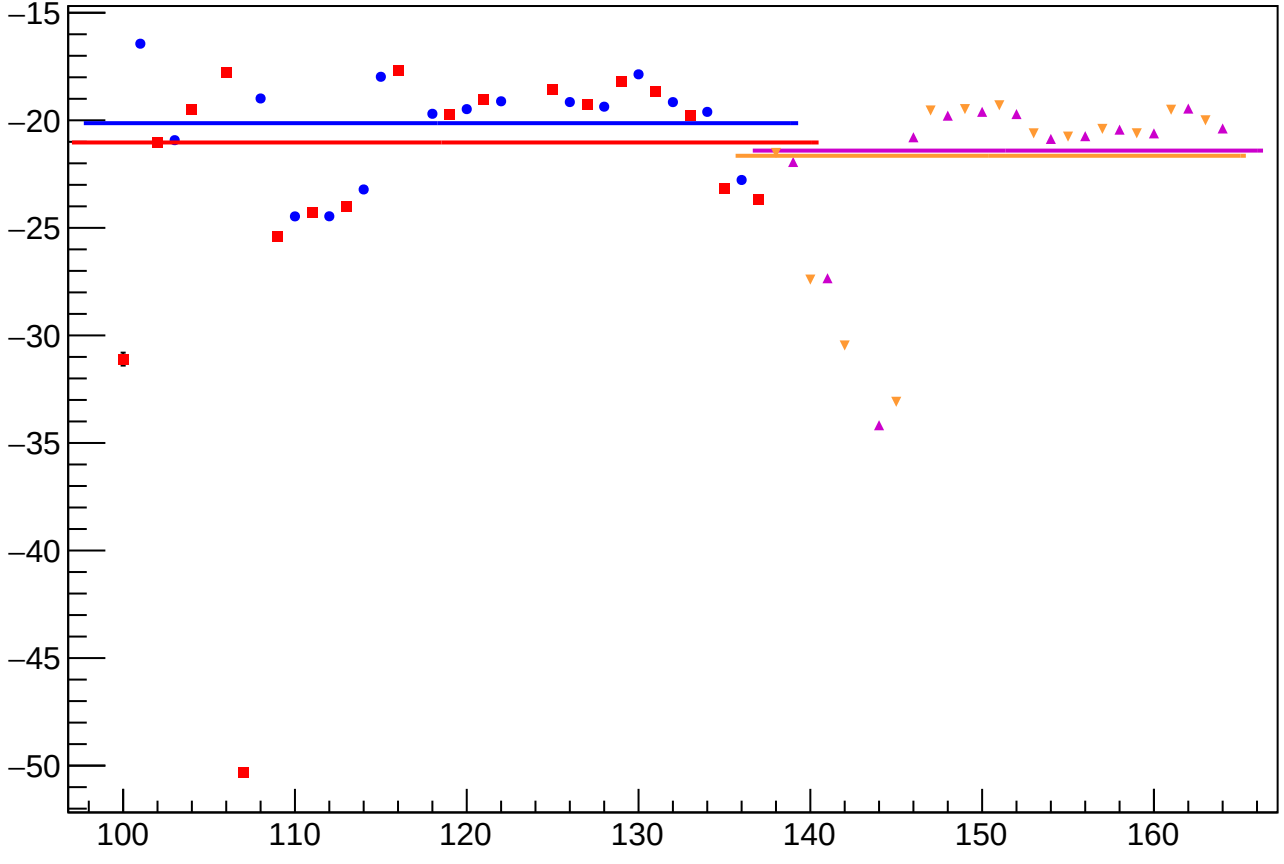
Left In: 9.794+/-0.234 χ^2/NDF:197.1/12

+ sign 6.448+/-0.173 χ^2/NDF: 862.4/28

All: 6.543+/-0.122 χ^2/NDF: 1808.3/59

- 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: -21.649+/-0.011 χ^2/NDF:110974.9/12

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

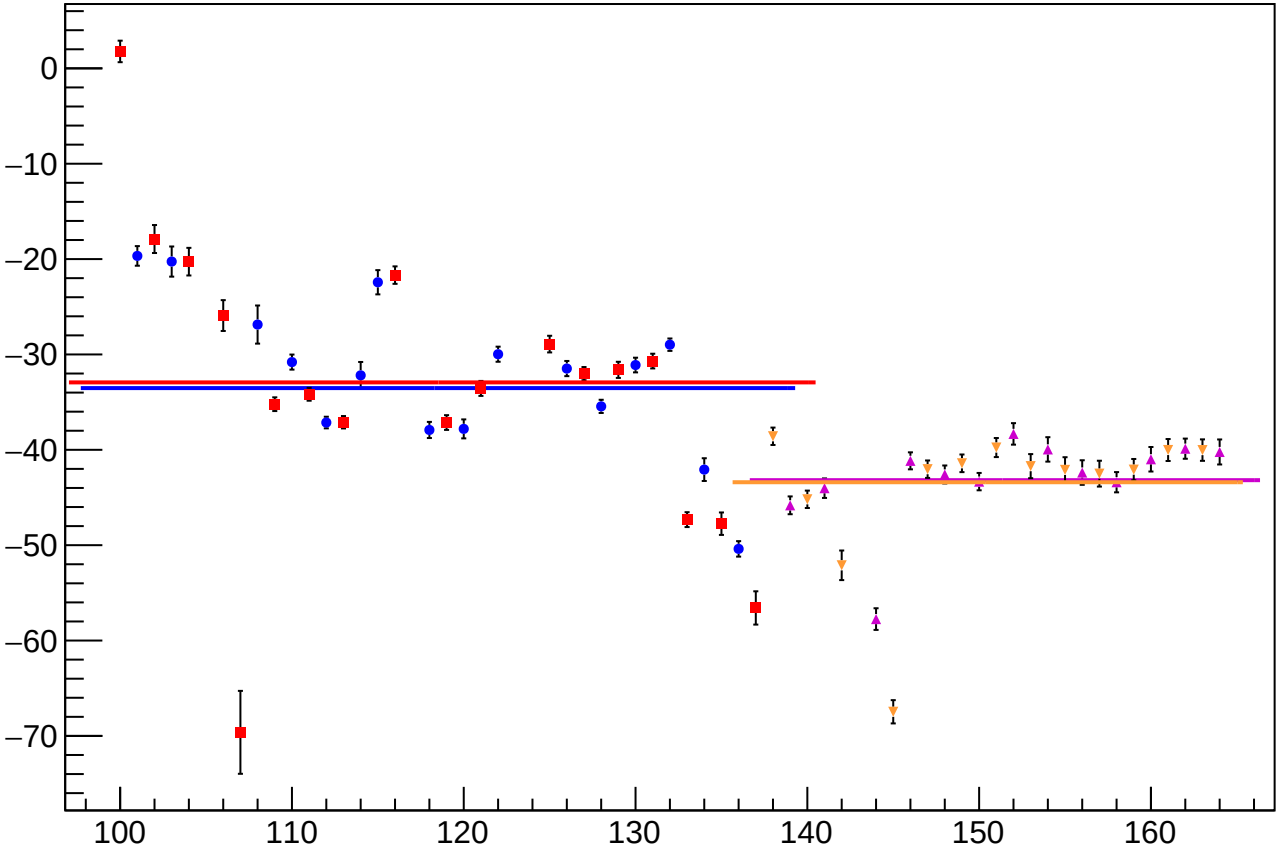
Left In: -21.408+/-0.011 χ^2/NDF:90596.7/12

+ sign -21.154+/-0.009 χ^2/NDF: 136840.9/28

All: -21.226+/-0.006 χ^2/NDF: 285450.8/59

- 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: -43.399+/-0.302 χ^2/NDF:494.8/12

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

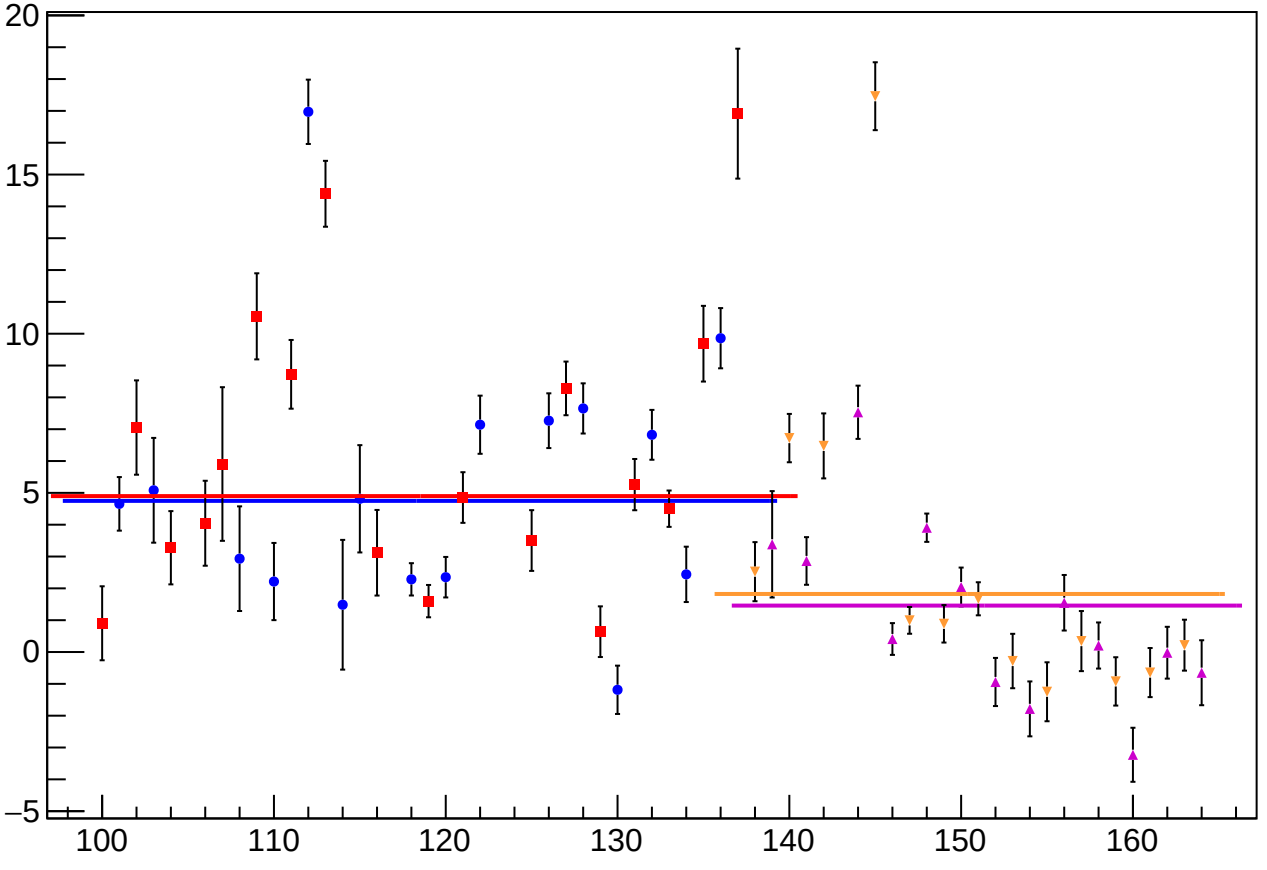
Left In: -43.183+/-0.296 χ^2/NDF:221.9/12

+ sign -36.914+/-0.177 χ^2/NDF: 2203.8/28

All: -36.652+/-0.123 χ^2/NDF: 5395.2/59

- 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: 1.824+/-0.198 χ^2/NDF:331.3/12

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

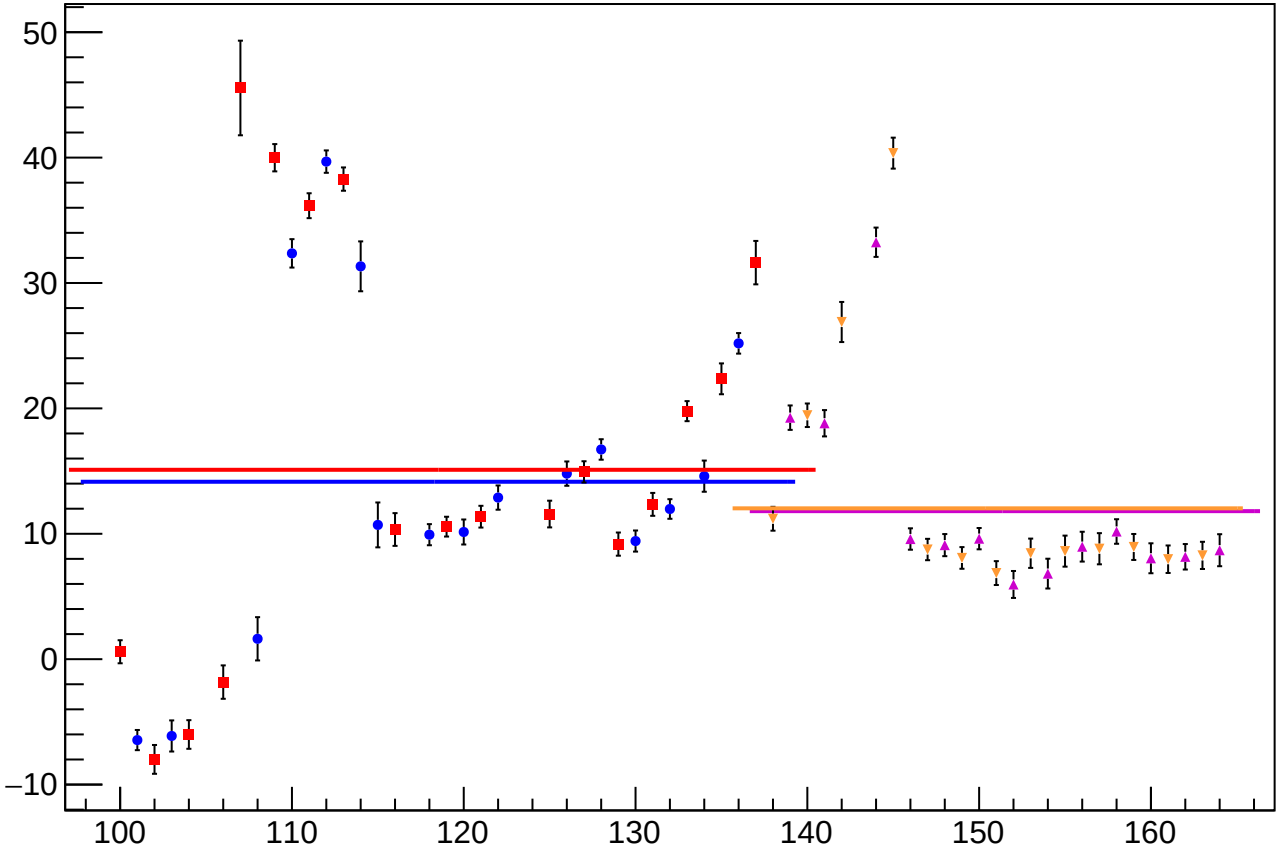
Left In: 1.459+/-0.198 χ^2/NDF:158.5/12

+ sign 3.132+/-0.147 χ^2/NDF: 754.9/28

All: 3.065+/-0.104 χ^2/NDF: 1322.0/59

- 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: 12.029+/-0.292 χ^2/NDF:799.2/12

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

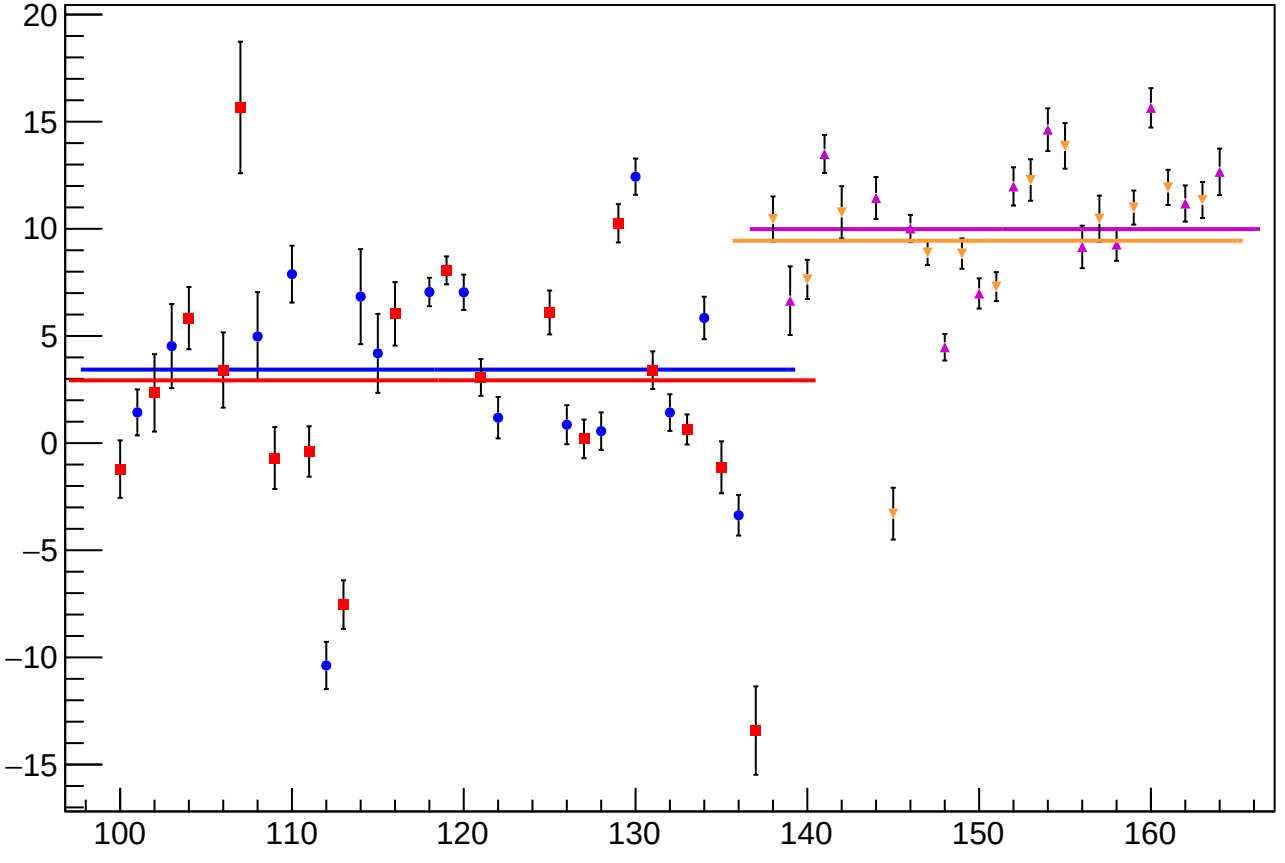
Left In: 11.805+/-0.285 χ^2/NDF:547.0/12

+ sign 13.263+/-0.189 χ^2/NDF: 3232.3/28

All: 13.496+/-0.132 χ^2/NDF: 6962.5/59

- 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: 9.445+/-0.236 χ^2/NDF:173.6/12

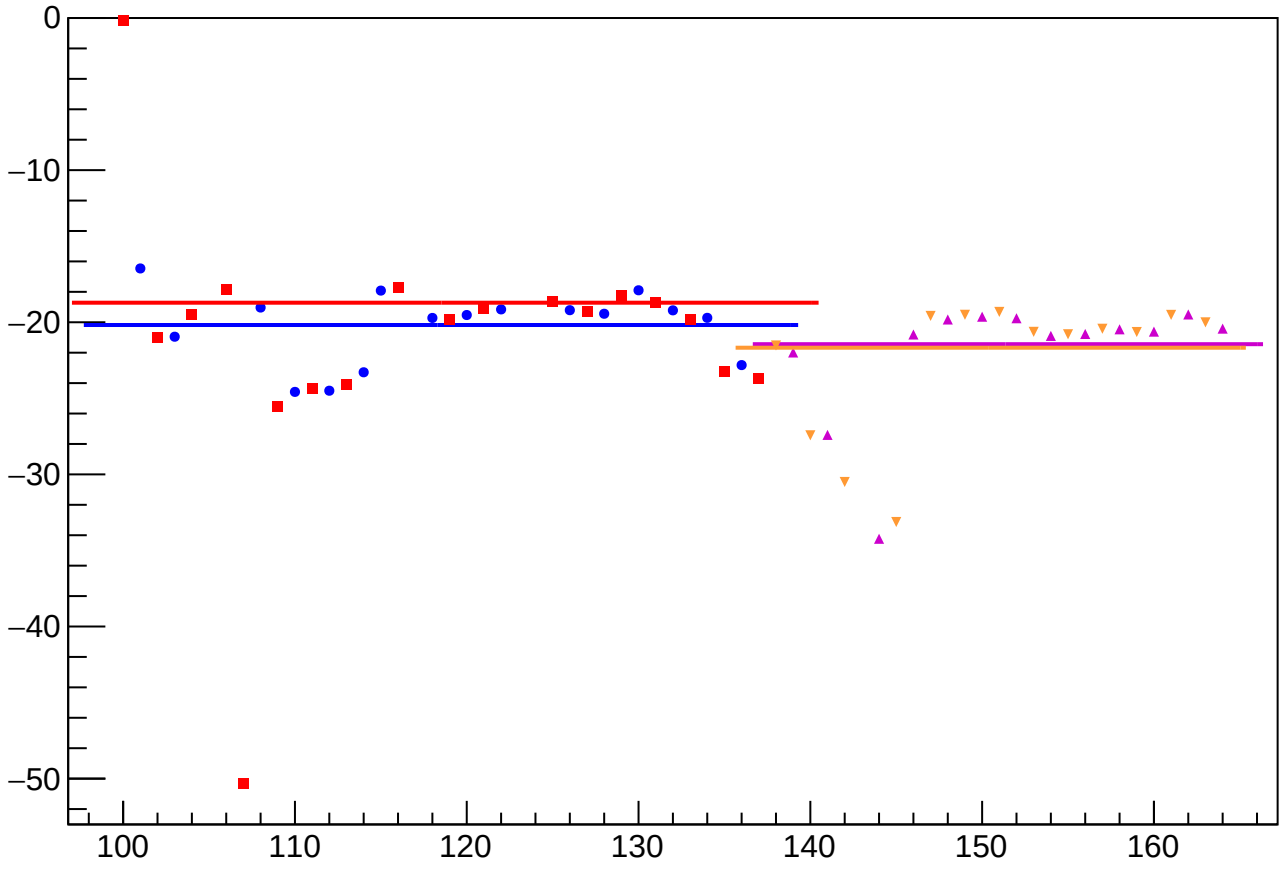
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.988+/-0.234 χ^2/NDF:194.0/12

+ sign 6.661+/-0.173 χ^2/NDF: 898.1/28

All: 6.698+/-0.122 χ^2/NDF: 1878.5/59

- sign 6.734+/-0.172 χ^2/NDF: 980.4/30



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.673+/-0.011 χ^2/NDF:110810.2/12

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

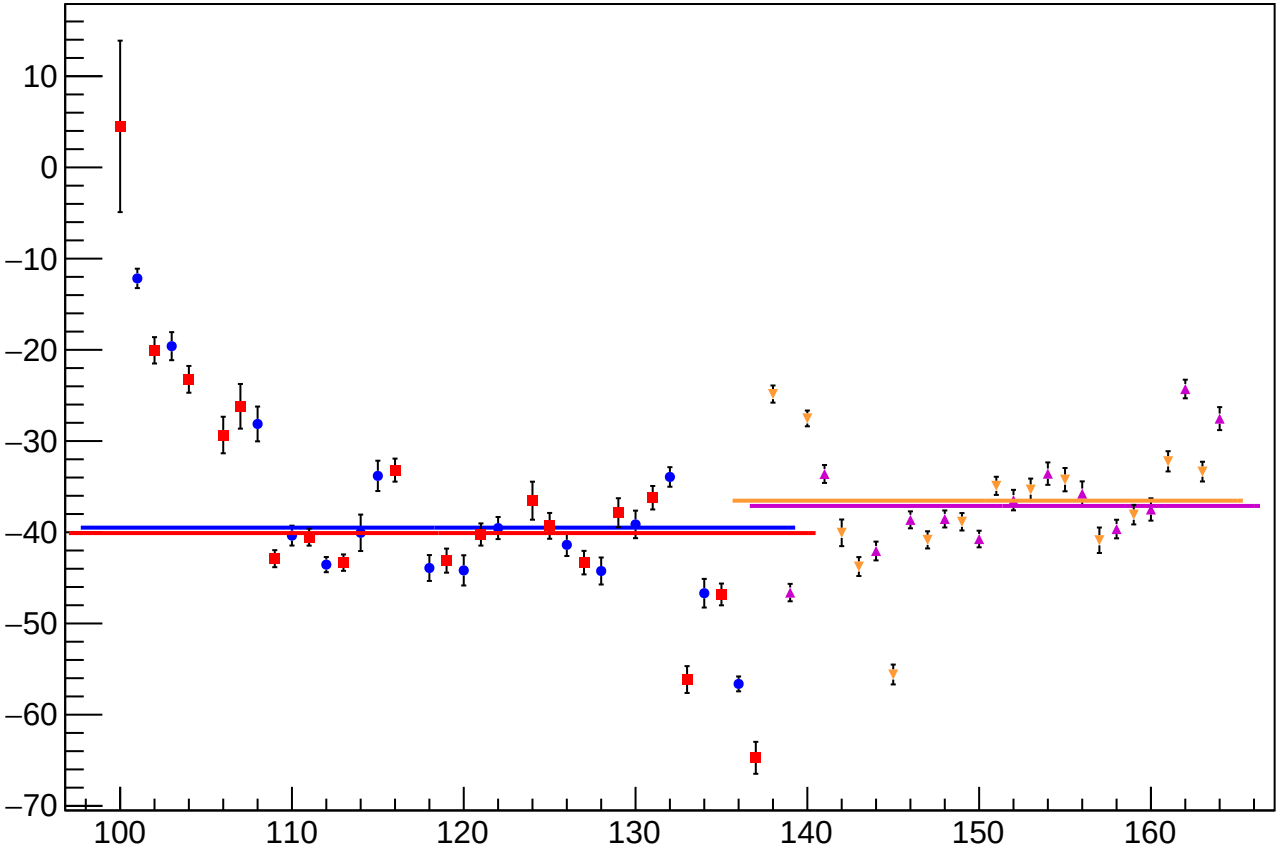
Left In: -21.441+/-0.011 χ^2/NDF:90766.2/12

+ sign -21.186+/-0.009 χ^2/NDF: 136496.3/28

All: -20.862+/-0.006 χ^2/NDF: 485117.9/59

- 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: -36.538+/-0.285 χ^2/NDF:693.1/13

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

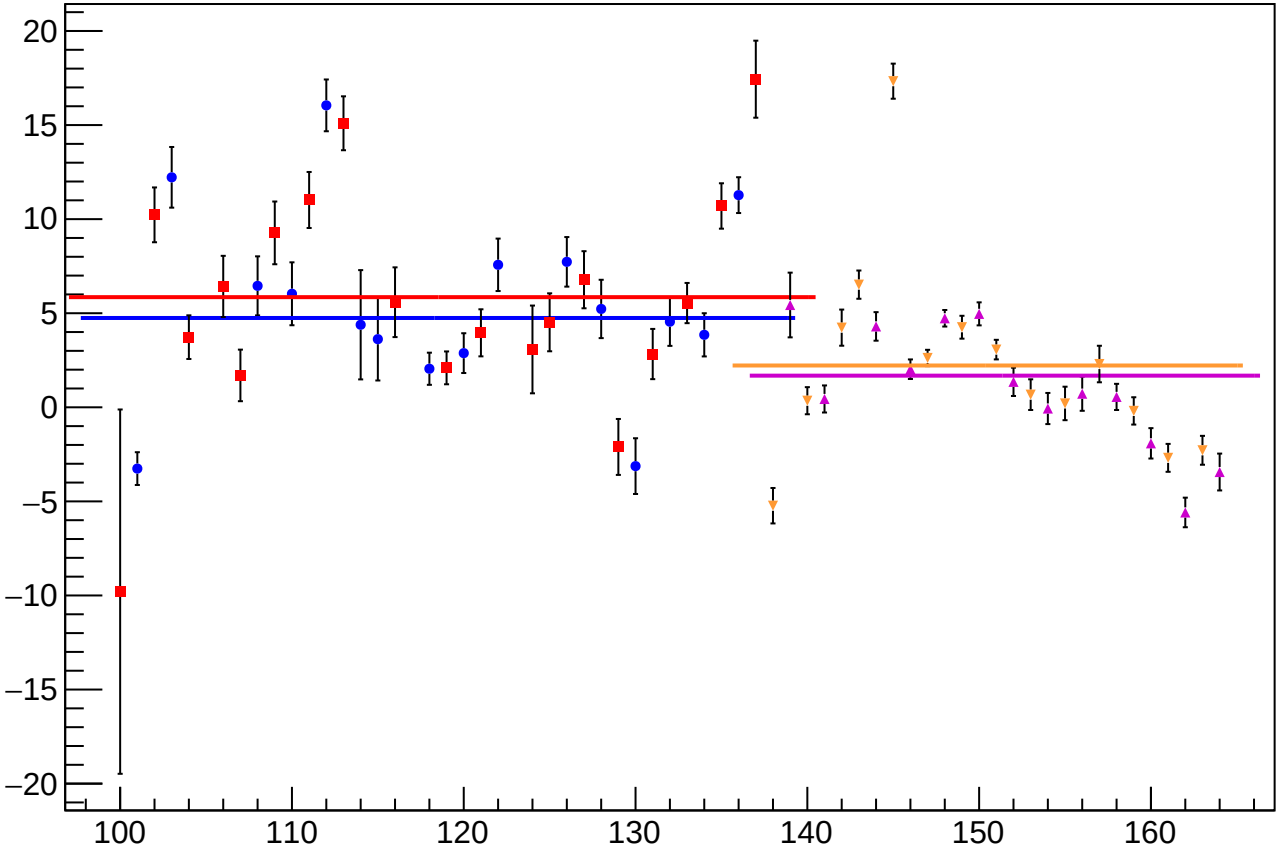
Left In: -37.114+/-0.291 χ^2/NDF:386.9/12

+ sign -37.889+/-0.210 χ^2/NDF: 2159.3/29

All: -38.203+/-0.149 χ^2/NDF: 3435.1/61

- 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: 2.222+/-0.189 χ^2/NDF:481.9/13

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

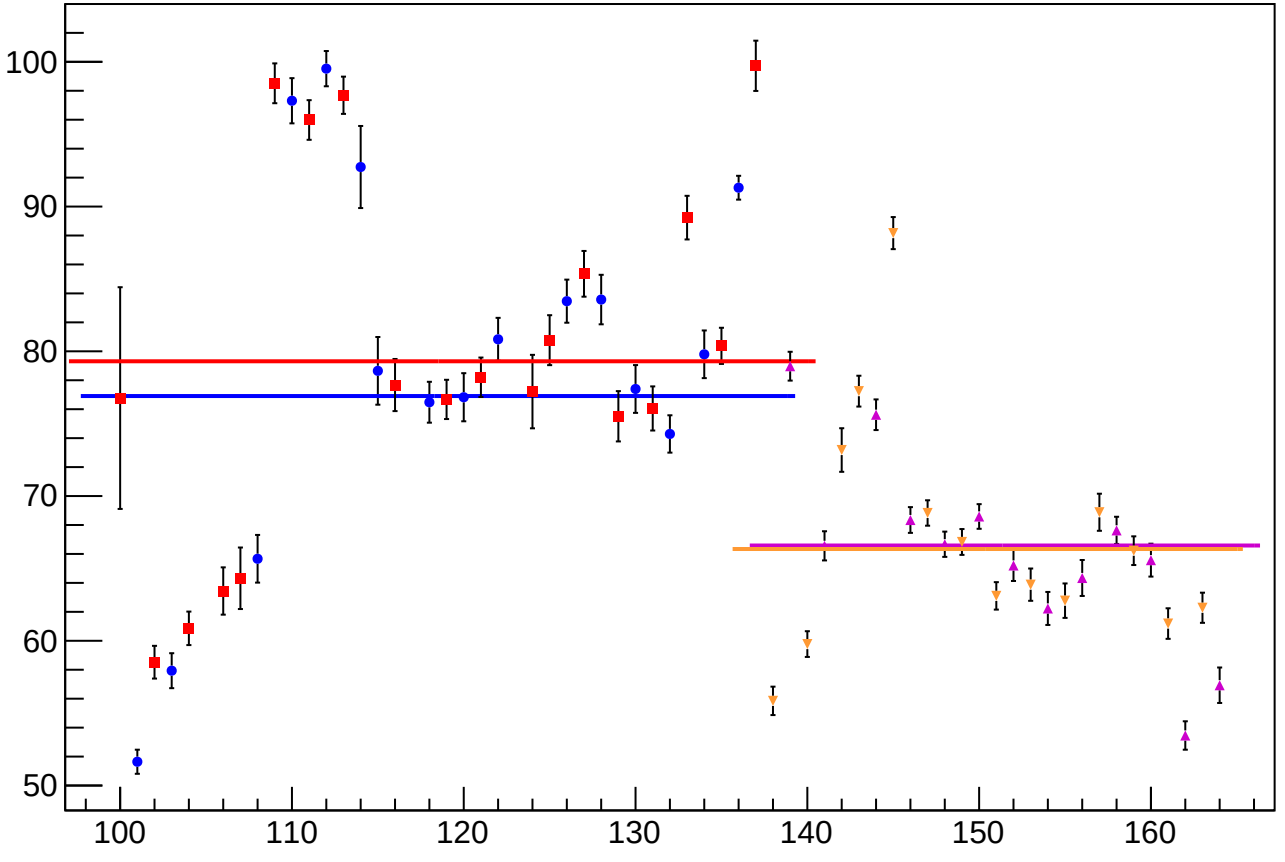
Left In: 1.682+/-0.195 χ^2/NDF:238.1/12

+ sign 2.887+/-0.162 χ^2/NDF: 802.8/29

All: 2.842+/-0.116 χ^2/NDF: 1350.4/61

- 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: 66.341+/-0.277 χ^2/NDF:759.0/13

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

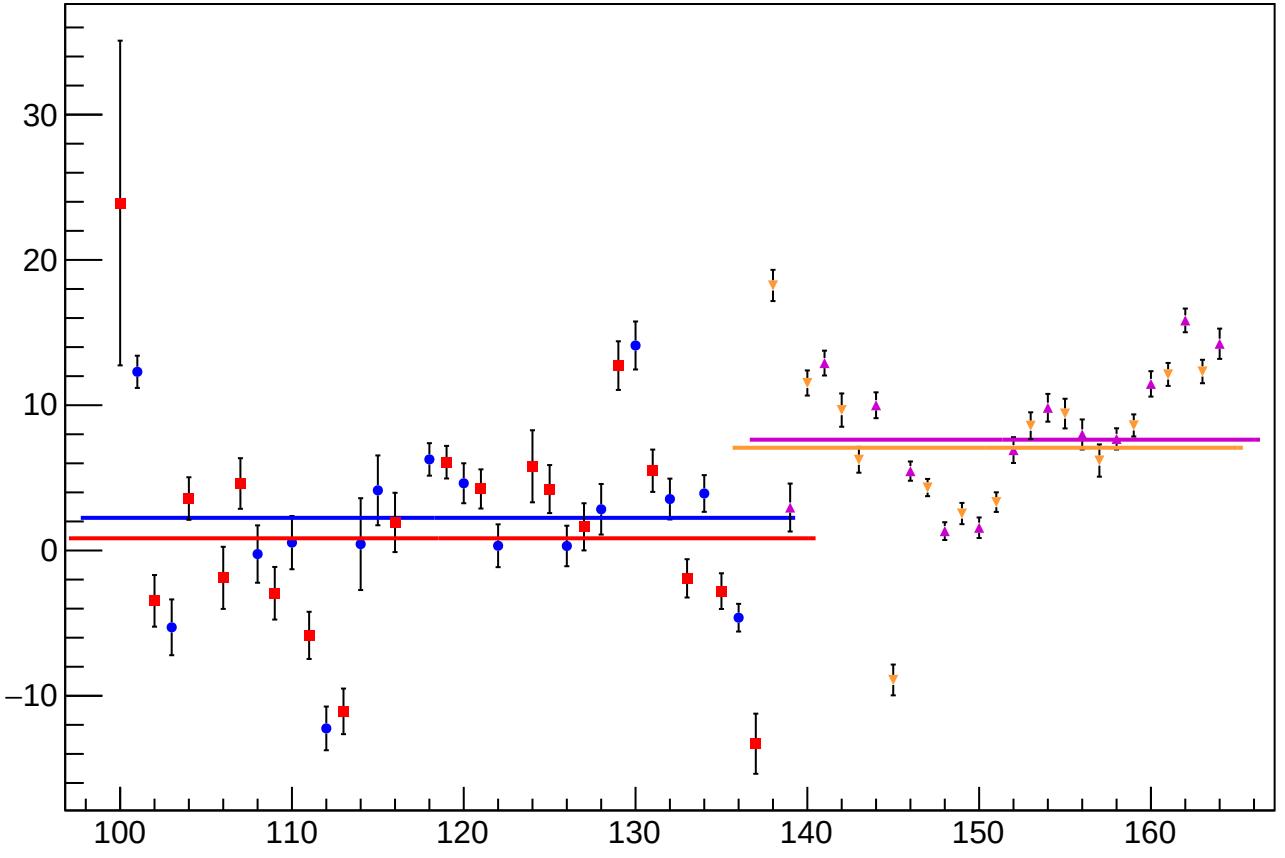
Left In: 66.583+/-0.280 χ^2/NDF:499.4/12

+ sign 70.599+/-0.214 χ^2/NDF: 3462.6/29

All: 71.085+/-0.153 χ^2/NDF: 6281.0/61

- 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: 7.072+/-0.225 χ^2/NDF:554.2/13

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

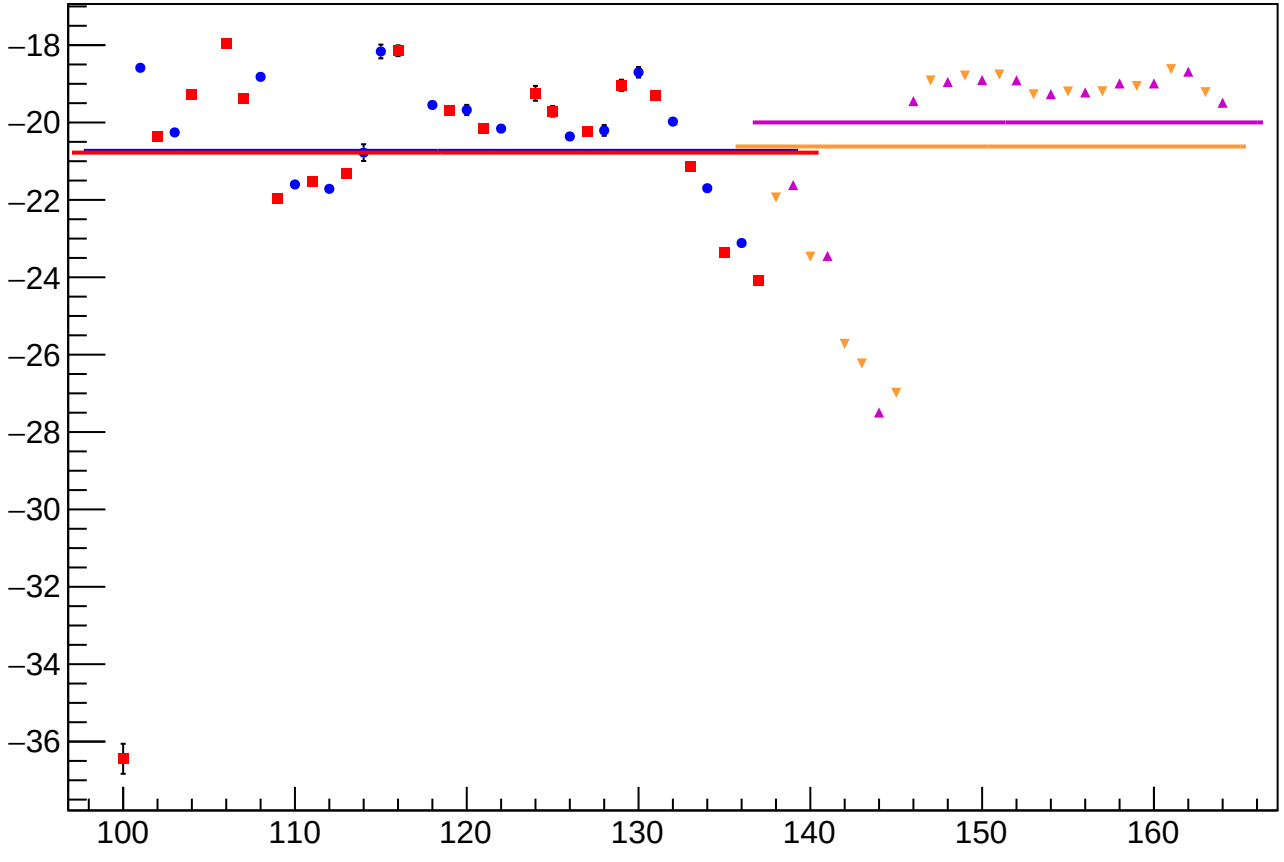
Left In: 7.628+/-0.230 χ^2/NDF:409.7/12

+ sign 5.738+/-0.191 χ^2/NDF: 1001.5/29

All: 5.743+/-0.137 χ^2/NDF: 1908.1/61

- 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: -20.620+/-0.011 χ^2/NDF:67105.3/13

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

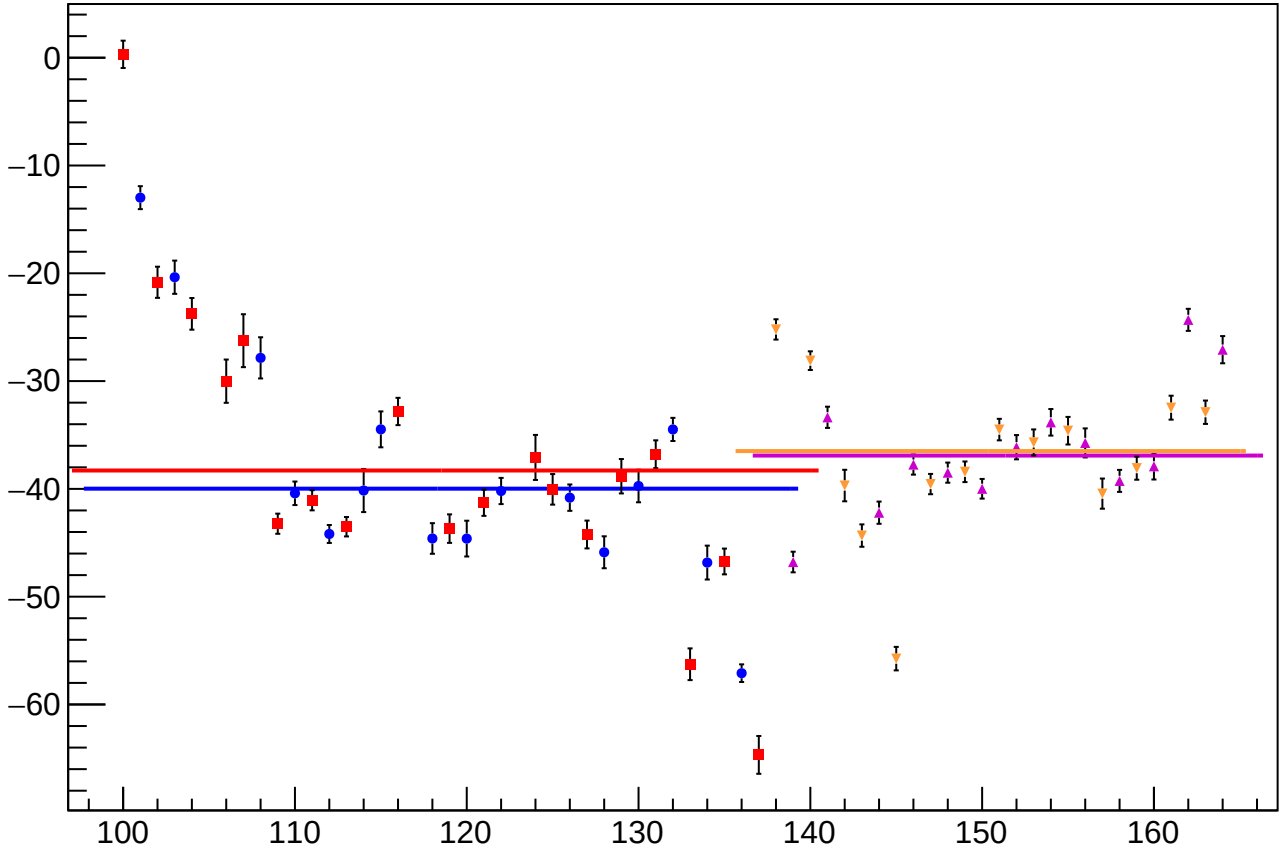
Left In: -19.998+/-0.011 χ^2/NDF:40684.4/12

+ sign -20.646+/-0.009 χ^2/NDF: 74765.3/29

All: -20.408+/-0.007 χ^2/NDF: 127356.2/61

- 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: -36.491+/-0.286 χ^2/NDF:666.4/13

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

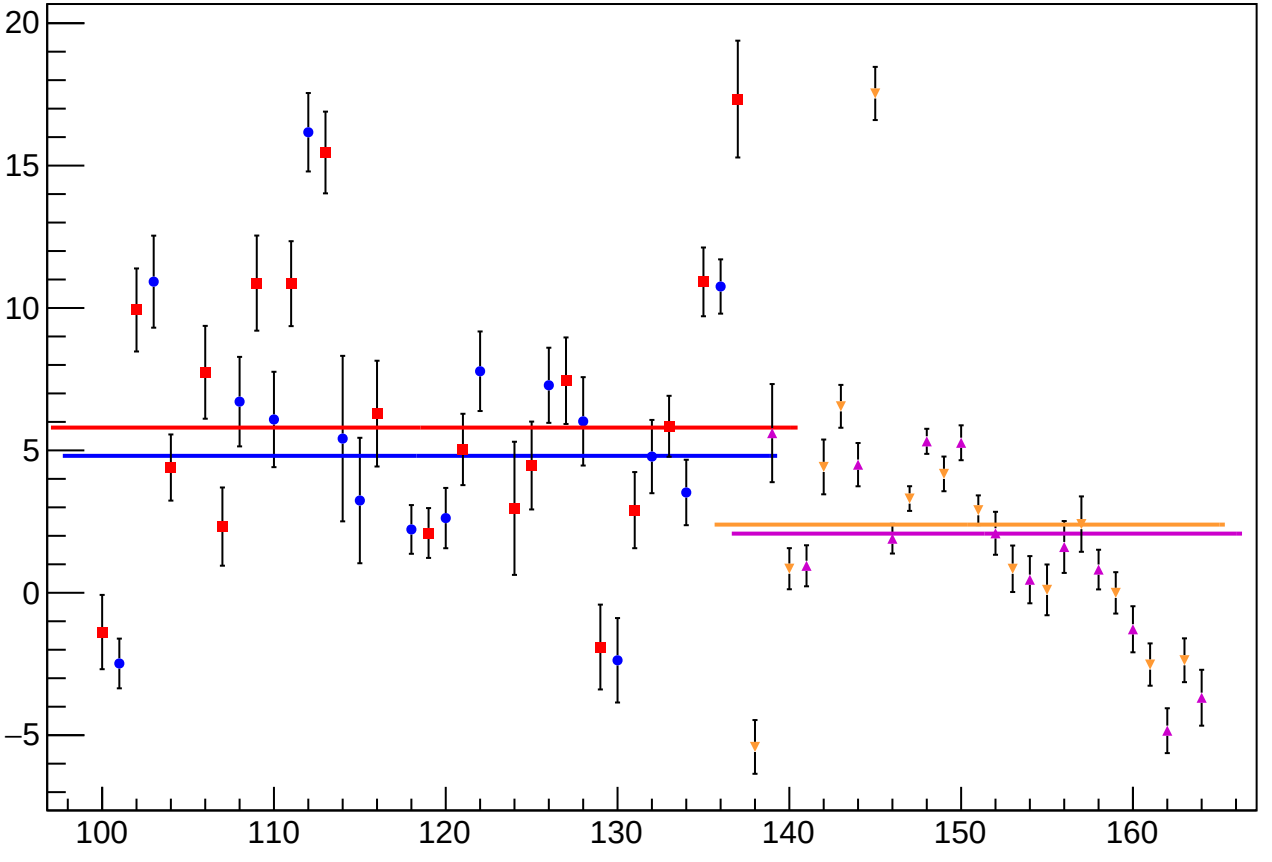
Left In: -36.910+/-0.291 χ^2/NDF:386.7/12

\+ sign -38.087+/-0.210 χ^2/NDF: 2133.0/29

All: -37.834+/-0.148 χ^2/NDF: 4307.4/61

\- 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: 2.394+/-0.189 χ^2/NDF:488.1/13

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

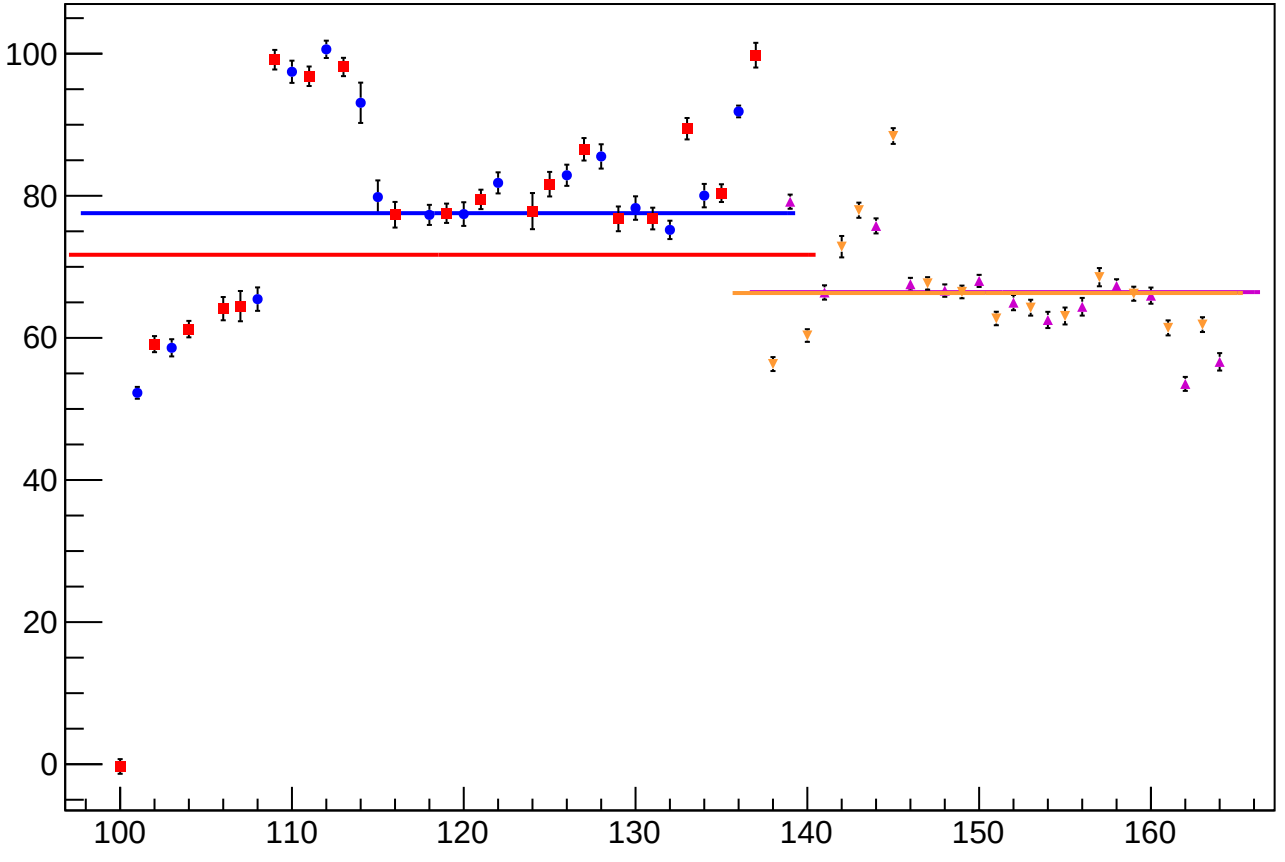
Left In: 2.077+/-0.196 χ^2/NDF:234.5/12

+ sign 3.030+/-0.162 χ^2/NDF: 771.5/29

All: 3.070+/-0.116 χ^2/NDF: 1323.4/61

- 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: 66.314+/-0.277 χ^2/NDF:753.0/13

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

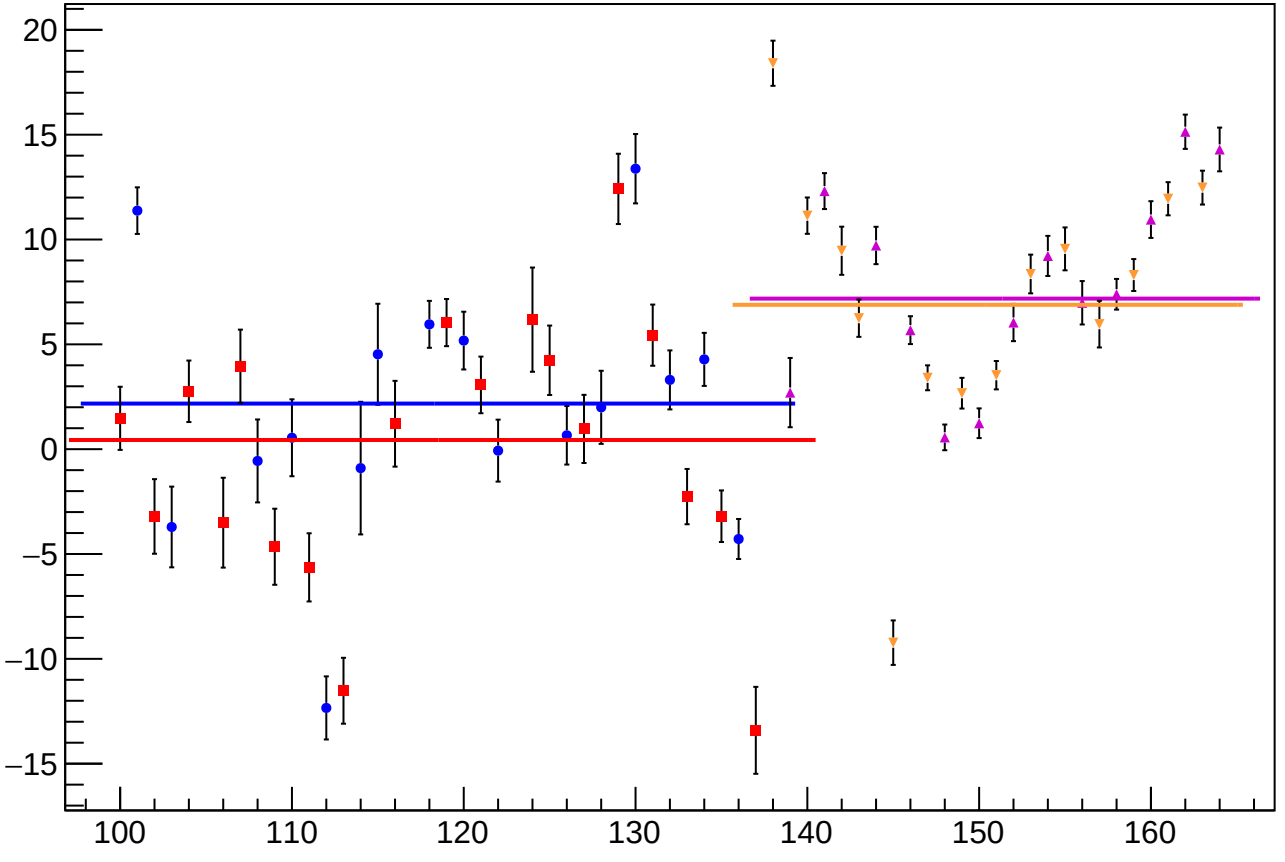
Left In: 66.443+/-0.281 χ^2/NDF:499.0/12

+ sign 70.843+/-0.214 χ^2/NDF: 3534.0/29

All: 69.743+/-0.151 χ^2/NDF: 11136.1/61

- 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: 6.886+/-0.225 χ^2/NDF:569.1/13

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

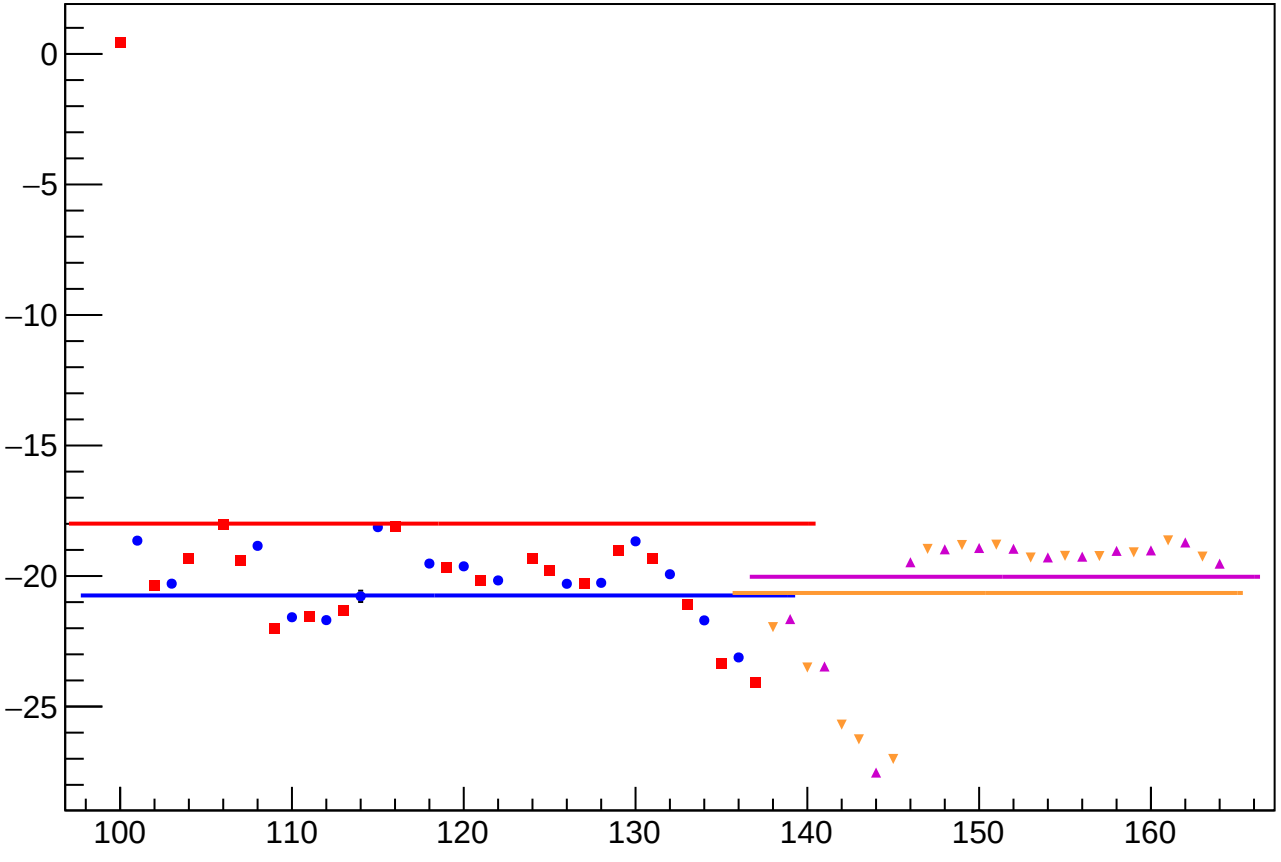
Left In: 7.181+/-0.231 χ^2/NDF:409.5/12

+ sign 5.582+/-0.191 χ^2/NDF: 980.8/29

All: 5.411+/-0.136 χ^2/NDF: 1893.0/61

- 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: -20.649+/-0.011 χ^2/NDF:66632.1/13

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

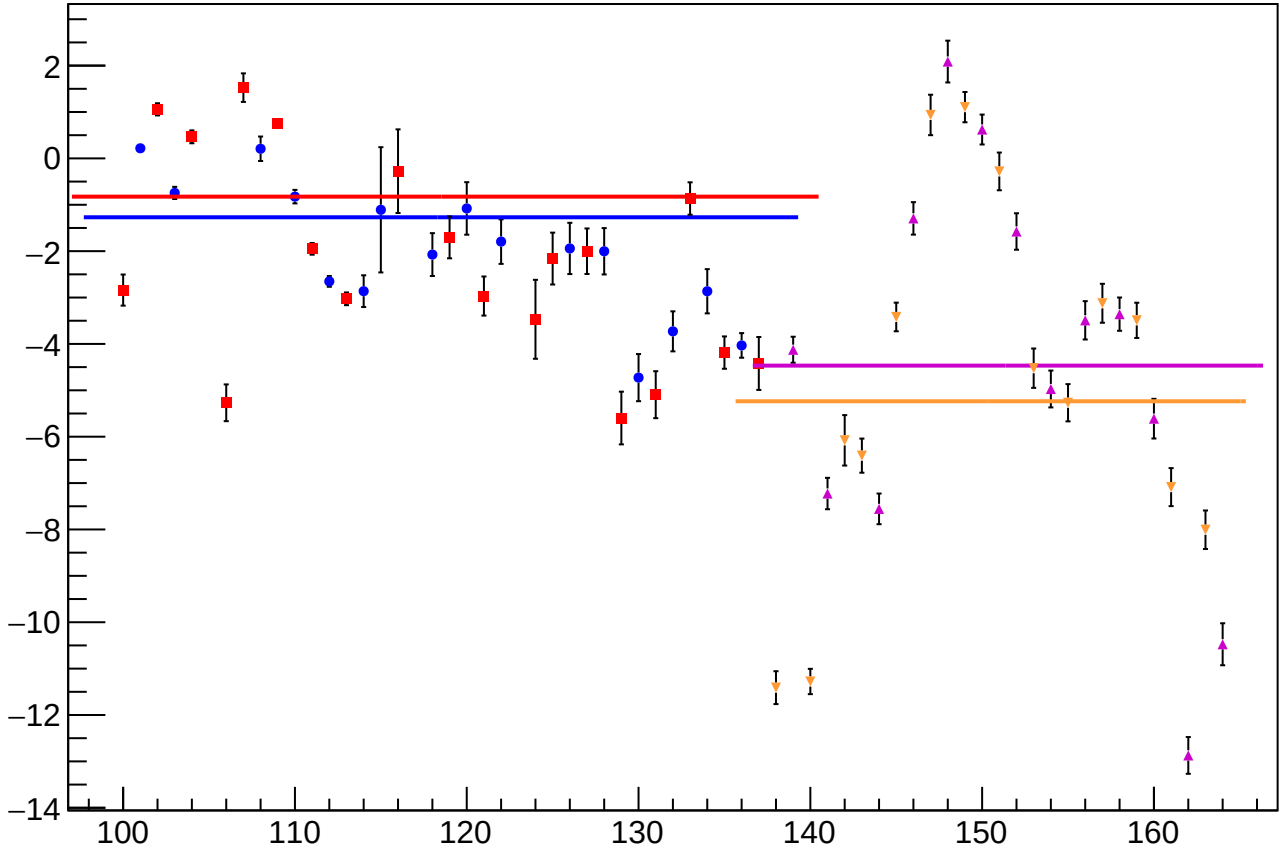
Left In: -20.029+/-0.011 χ^2/NDF:40509.0/12

+ sign -20.671+/-0.009 χ^2/NDF: 74164.3/29

All: -20.100+/-0.007 χ^2/NDF: 281488.3/61

- 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: -5.236+/-0.100 χ^2/NDF:1682.0/13

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

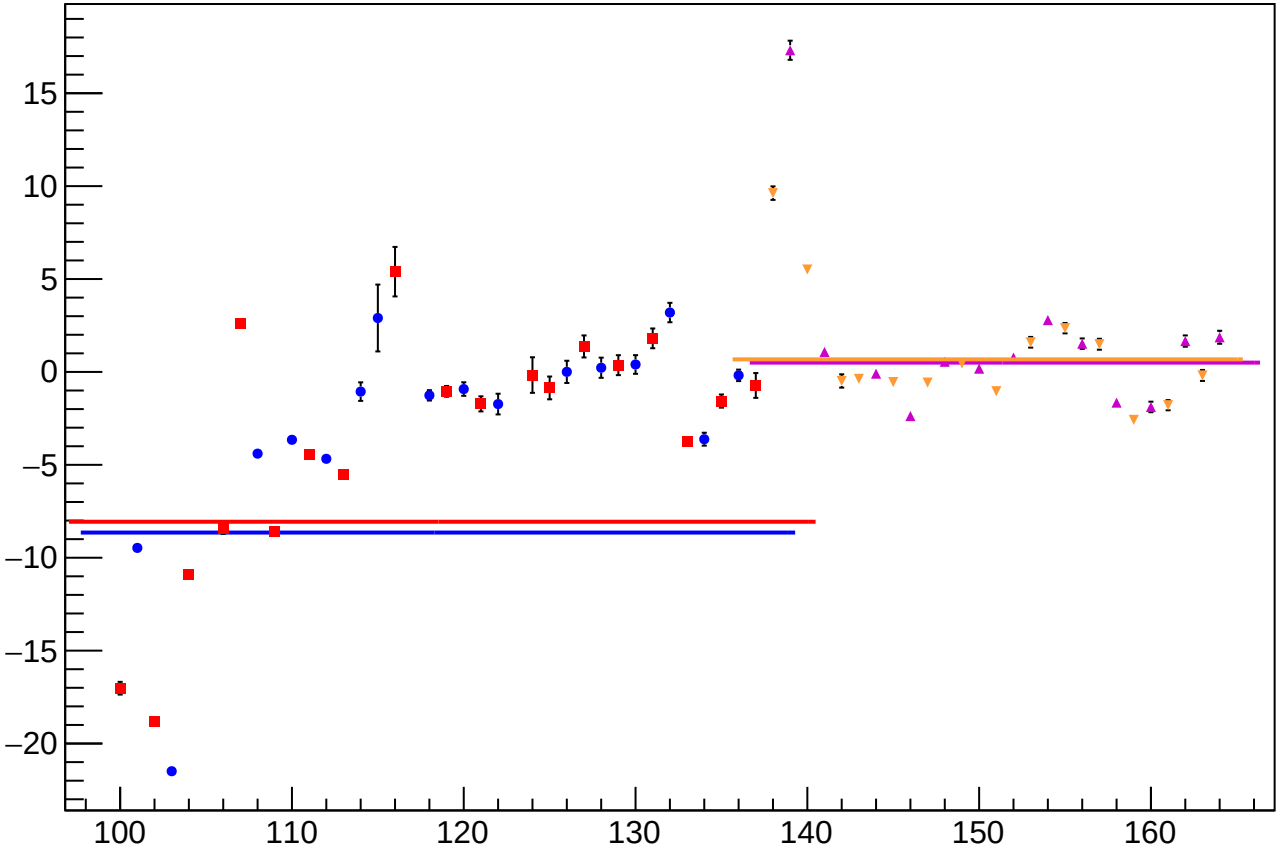
Left In: -4.468+/-0.102 χ^2/NDF:1402.6/12

+ sign -2.175+/-0.048 χ^2/NDF: 3506.6/29

All: -1.851+/-0.033 χ^2/NDF: 7403.9/61

- 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: 0.675+/-0.070 χ^2/NDF:1494.8/13

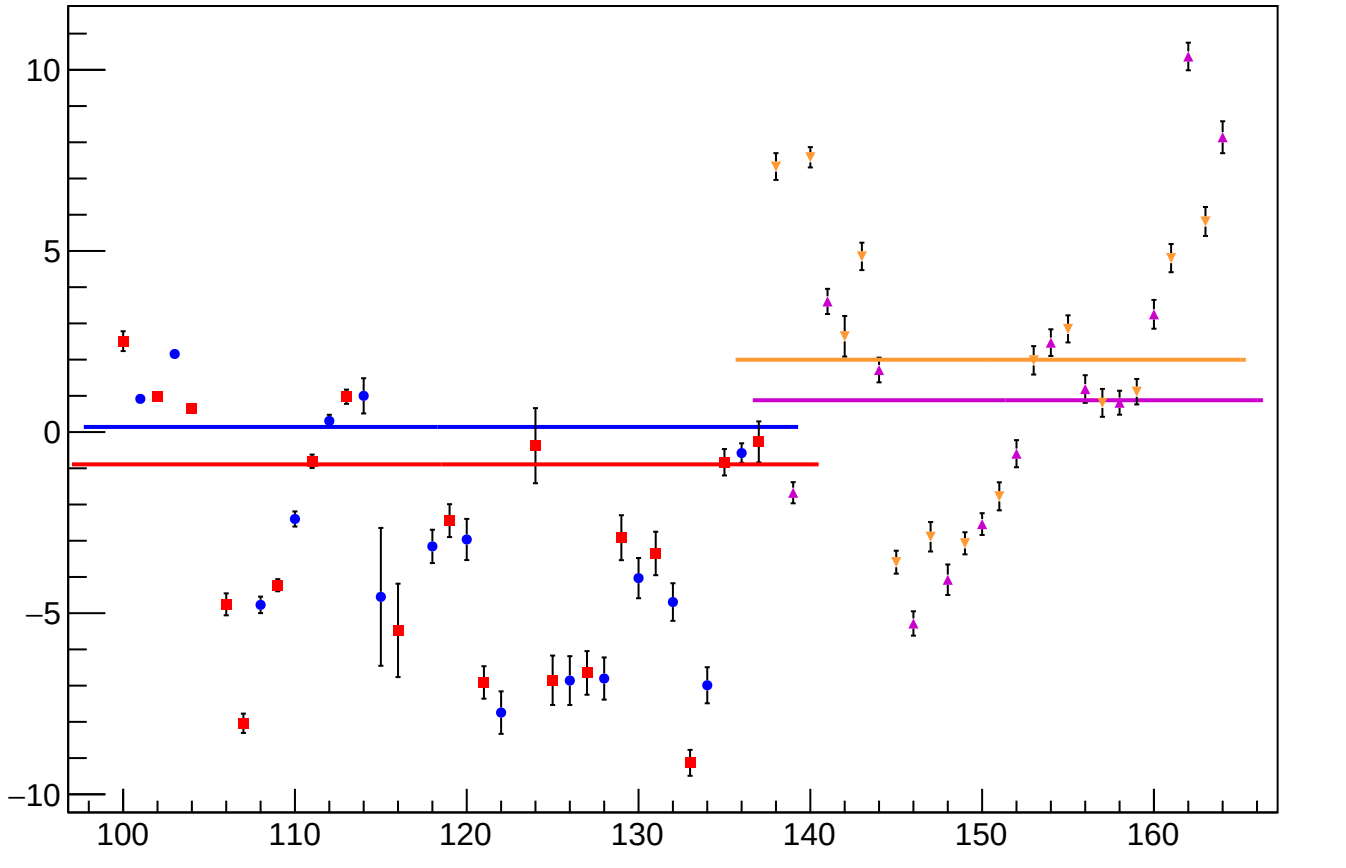
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.501+/-0.073 χ^2/NDF:1526.2/12

+ sign -4.917+/-0.044 χ^2/NDF: 26040.0/29

All: -4.840+/-0.032 χ^2/NDF: 50555.1/61

- sign -4.760+/-0.045 χ^2/NDF: 24509.0/31



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.098 χ^2/NDF:1654.1/13

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

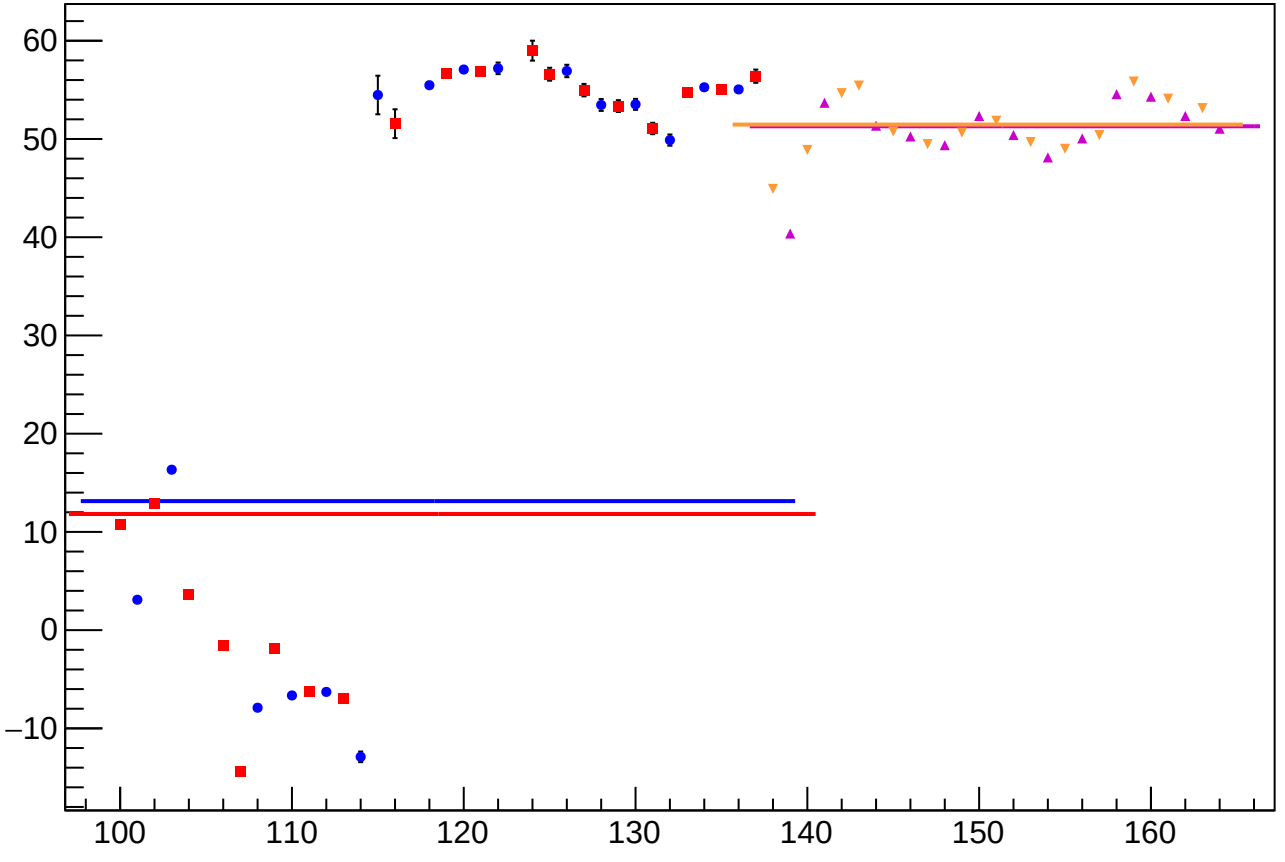
Left In: 0.879+/-0.099 χ^2/NDF:1709.8/12

+ sign 0.563+/-0.047 χ^2/NDF: 3893.3/29

All: 0.045+/-0.033 χ^2/NDF: 9089.2/61

- 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: 51.468+/-0.081 χ^2/NDF:1096.2/13

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

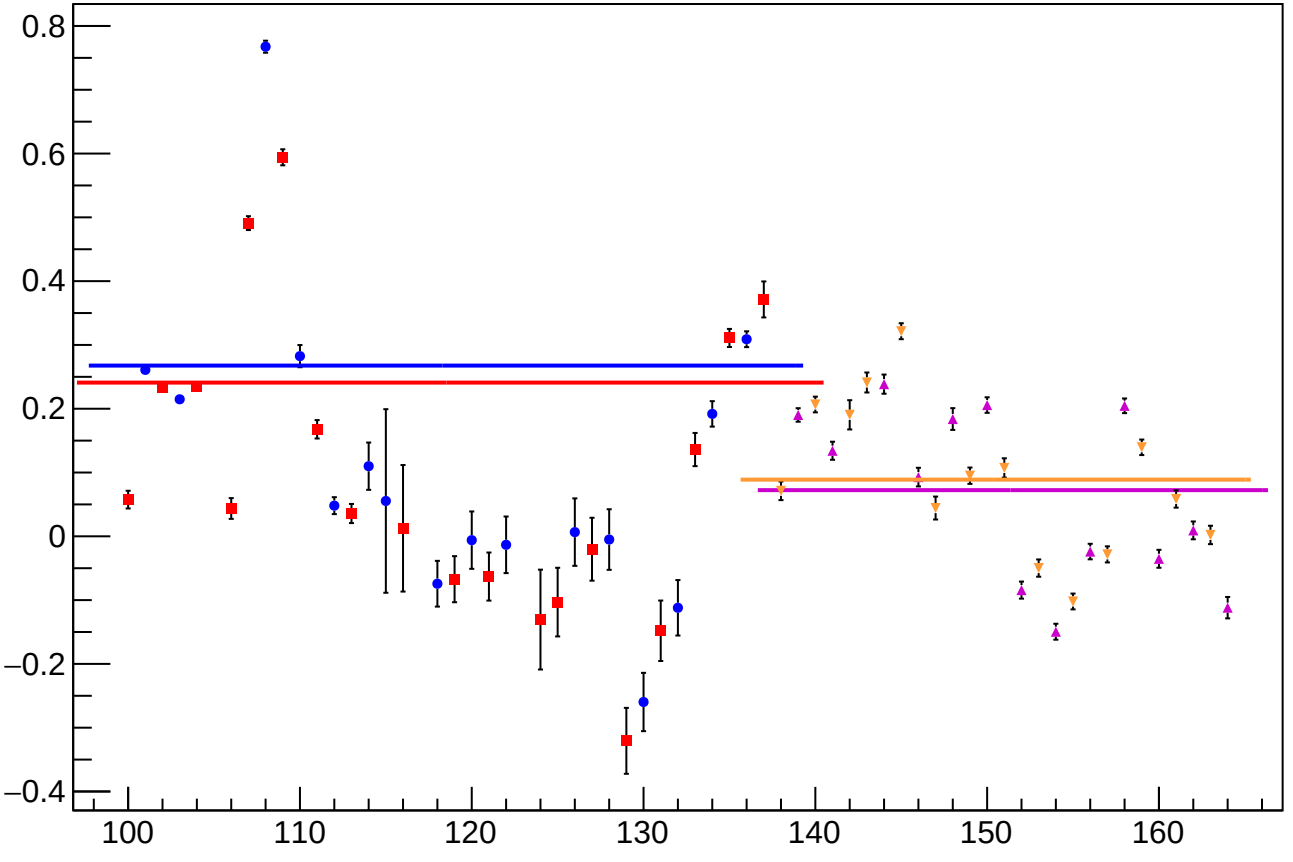
Left In: 51.292+/-0.084 χ^2/NDF:1025.1/12

\+ sign 28.867+/-0.052 χ^2/NDF: 240294.1/29

All: 28.179+/-0.037 χ^2/NDF: 494066.9/61

\- 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: 0.089+/-0.004 χ^2/NDF:1047.3/13

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

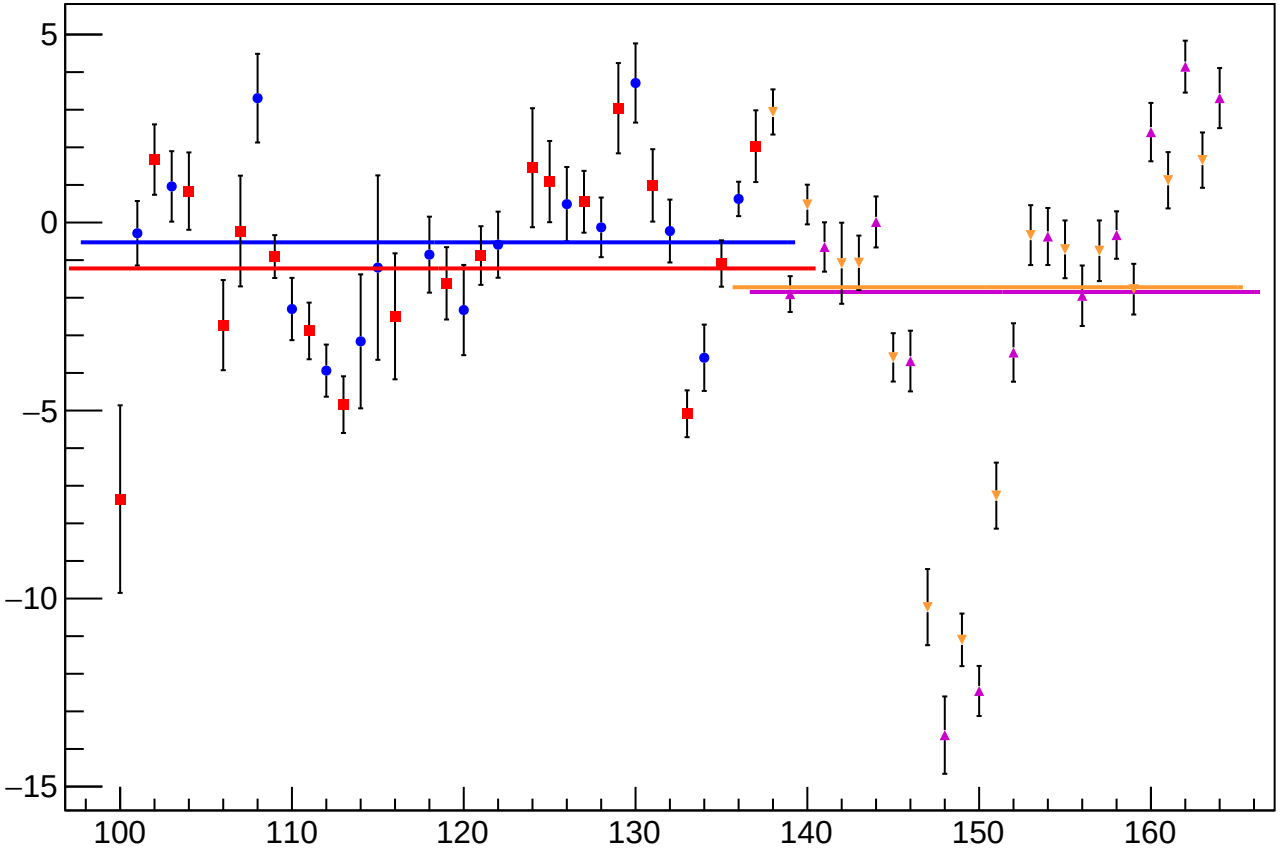
Left In: 0.072+/-0.004 χ^2/NDF:1277.0/12

+ sign 0.203+/-0.002 χ^2/NDF: 6247.3/29

All: 0.192+/-0.002 χ^2/NDF: 11254.3/61

- sign 0.181+/-0.002 χ^2/NDF: 4957.3/31

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.721+/-0.194 χ^2/NDF:419.4/13

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

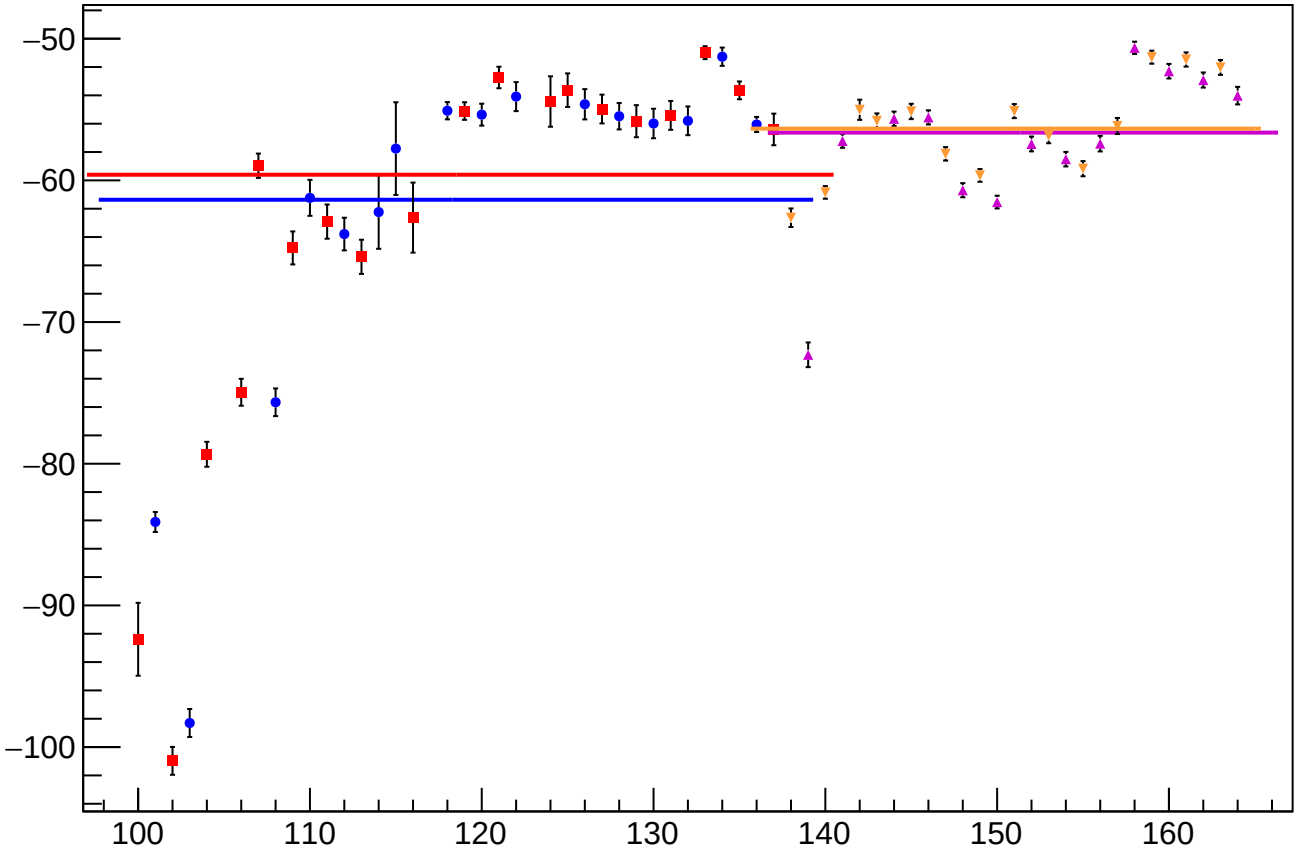
Left In: -1.848+/-0.195 χ^2/NDF:561.7/12

+ sign -1.190+/-0.145 χ^2/NDF: 518.9/29

All: -1.375+/-0.101 χ^2/NDF: 1219.7/61

- 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: -56.348+/-0.139 χ^2/NDF:588.4/13

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

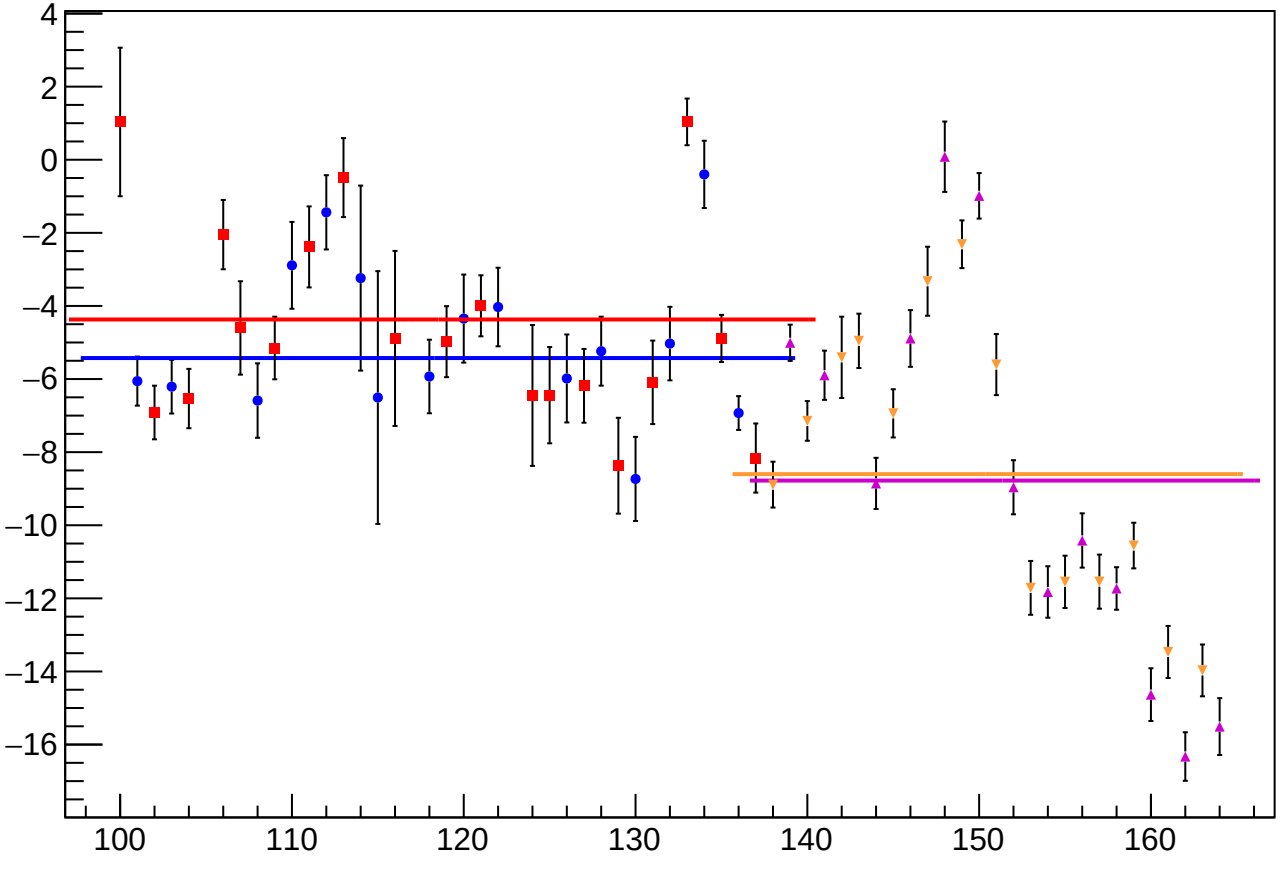
Left In: -56.628+/-0.144 χ^2/NDF:864.6/12

+ sign -57.782+/-0.117 χ^2/NDF: 4314.7/29

All: -57.690+/-0.083 χ^2/NDF: 8741.5/61

- 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: -8.601+/-0.189 χ^2/NDF:347.4/13

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

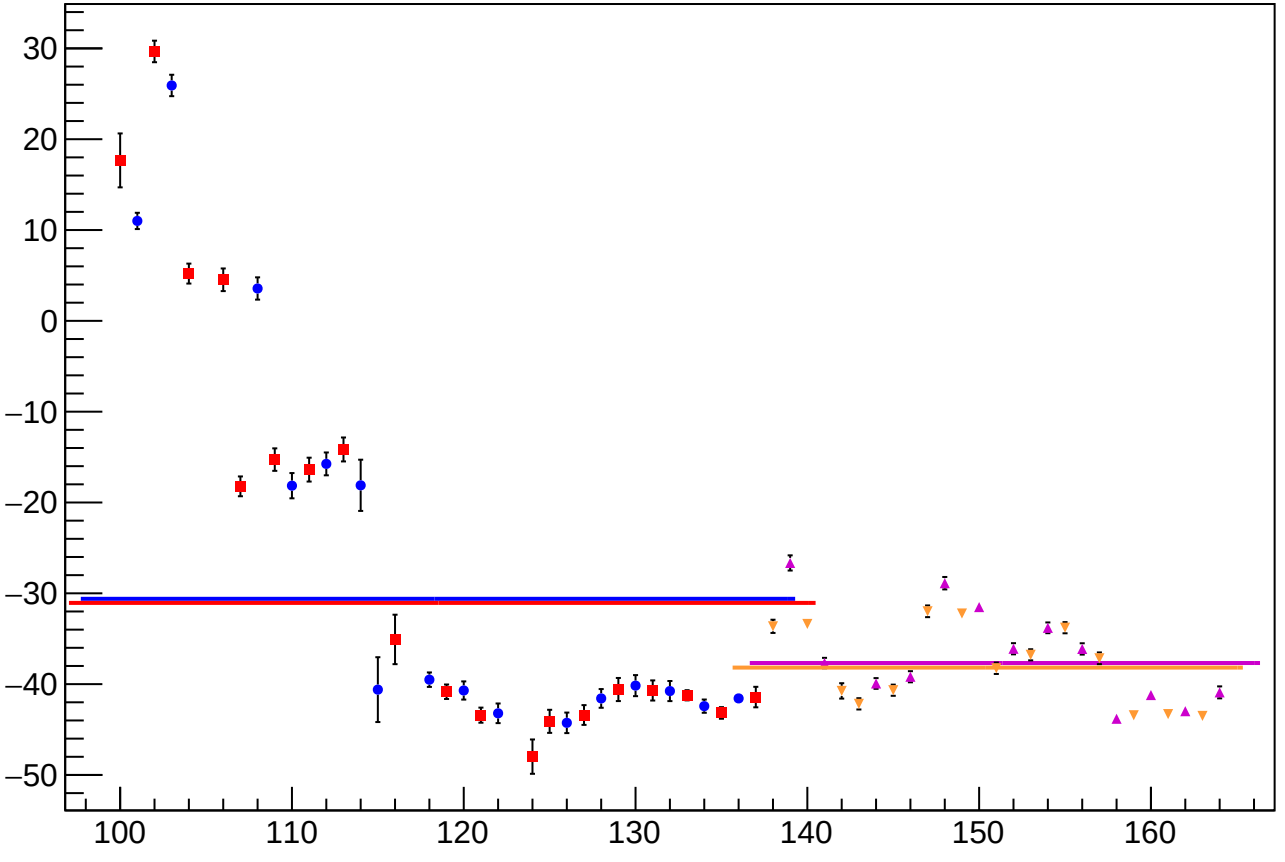
Left In: -8.777+/-0.189 χ^2/NDF:662.0/12

+ sign -7.318+/-0.146 χ^2/NDF: 537.0/29

All: -7.123+/-0.103 χ^2/NDF: 1587.4/61

- 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: -38.179+/-0.160 χ^2/NDF:763.5/13

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

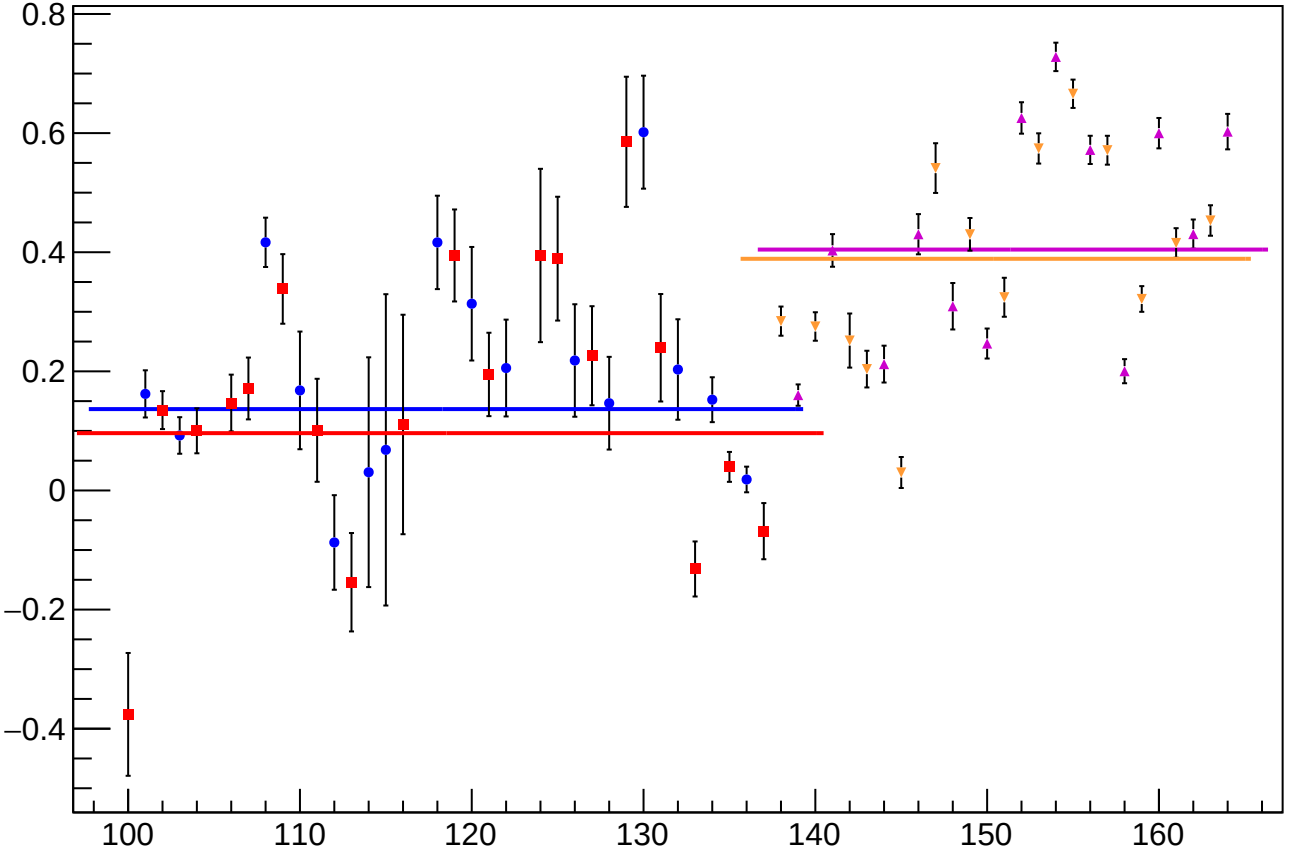
Left In: -37.675+/-0.163 χ^2/NDF:893.7/12

\+ sign -35.976+/-0.134 χ^2/NDF: 8355.5/29

All: -35.766+/-0.095 χ^2/NDF: 16757.4/61

\- 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: 0.389+/-0.007 χ^2/NDF:558.5/13

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

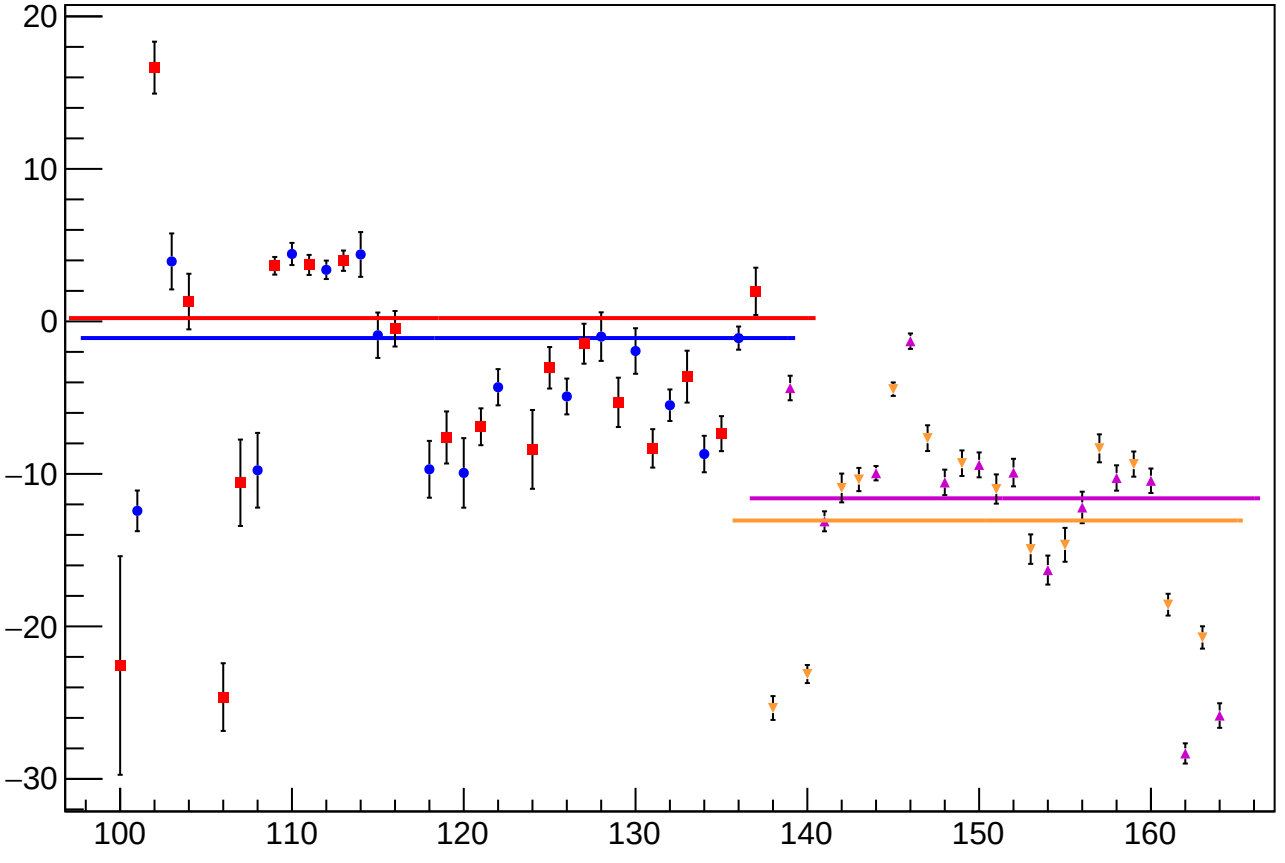
Left In: 0.404+/-0.007 χ^2/NDF:779.6/12

+ sign 0.327+/-0.006 χ^2/NDF: 994.9/29

All: 0.328+/-0.004 χ^2/NDF: 2393.7/61

- 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: -13.056+/-0.201 χ^2/NDF:1221.8/13

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

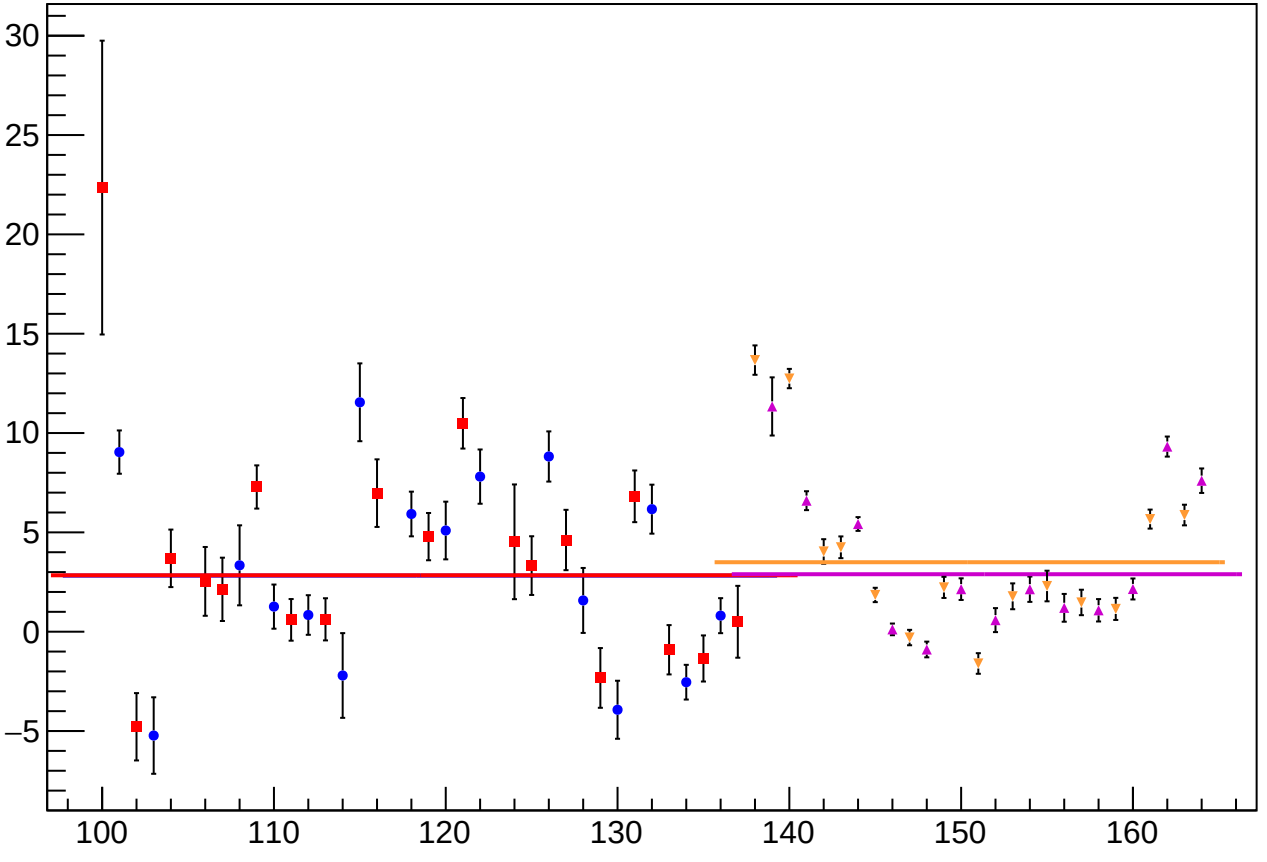
Left In: -11.602+/-0.199 χ^2/NDF:1503.8/12

+ sign -8.996+/-0.163 χ^2/NDF: 2755.0/29

All: -8.162+/-0.114 χ^2/NDF: 6095.6/61

- 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: 3.497+/-0.140 χ^2/NDF:850.4/13

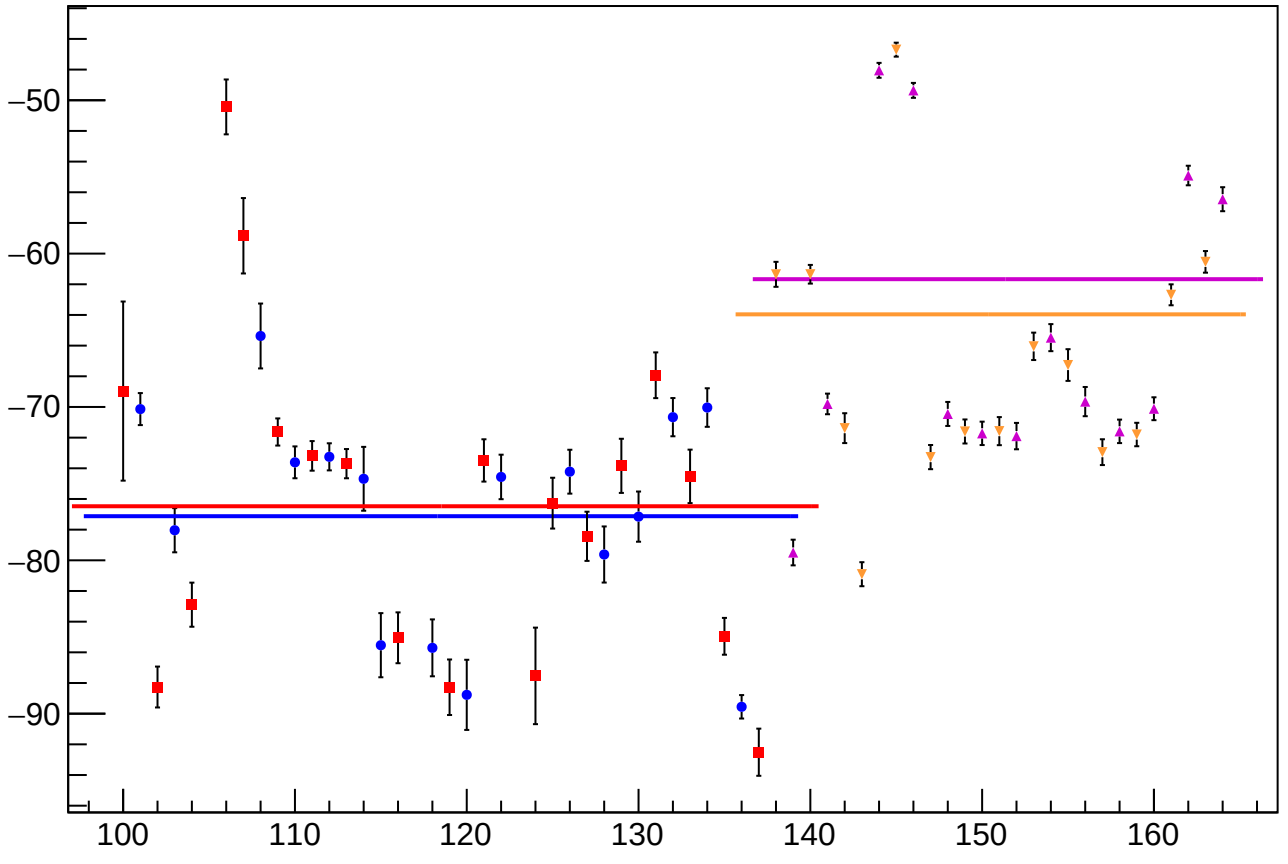
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.893+/-0.135 χ^2/NDF:583.9/12

+ sign 3.386+/-0.127 χ^2/NDF: 1053.8/29

All: 3.129+/-0.089 χ^2/NDF: 1790.6/61

- sign 2.885+/-0.124 χ^2/NDF: 728.9/31



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.961+/-0.198 χ^2/NDF:2555.6/13

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

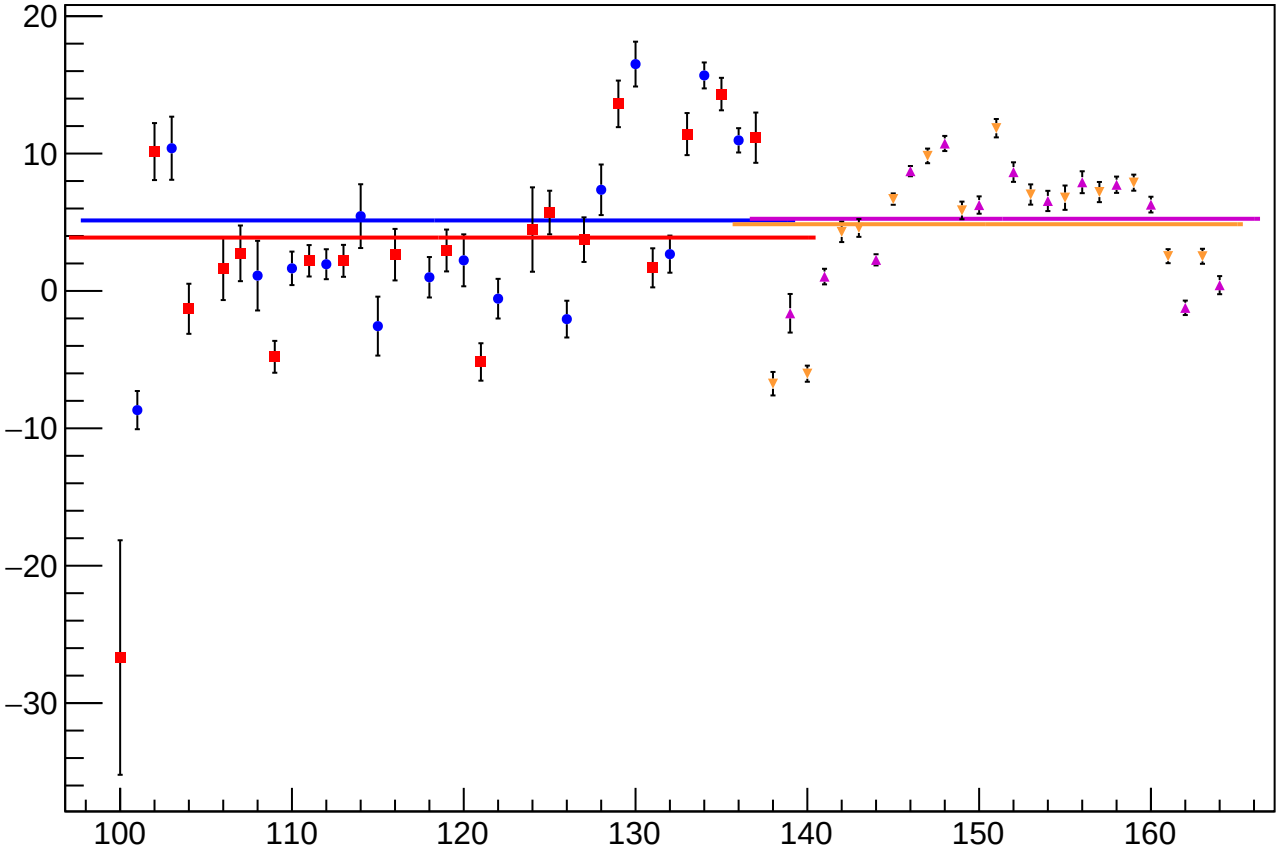
Left In: -61.668+/-0.193 χ^2/NDF:3006.8/12

+ sign -67.493+/-0.169 χ^2/NDF: 4249.6/29

All: -66.470+/-0.119 χ^2/NDF: 9533.8/61

- 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: 4.856+/-0.163 χ^2/NDF:836.7/13

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

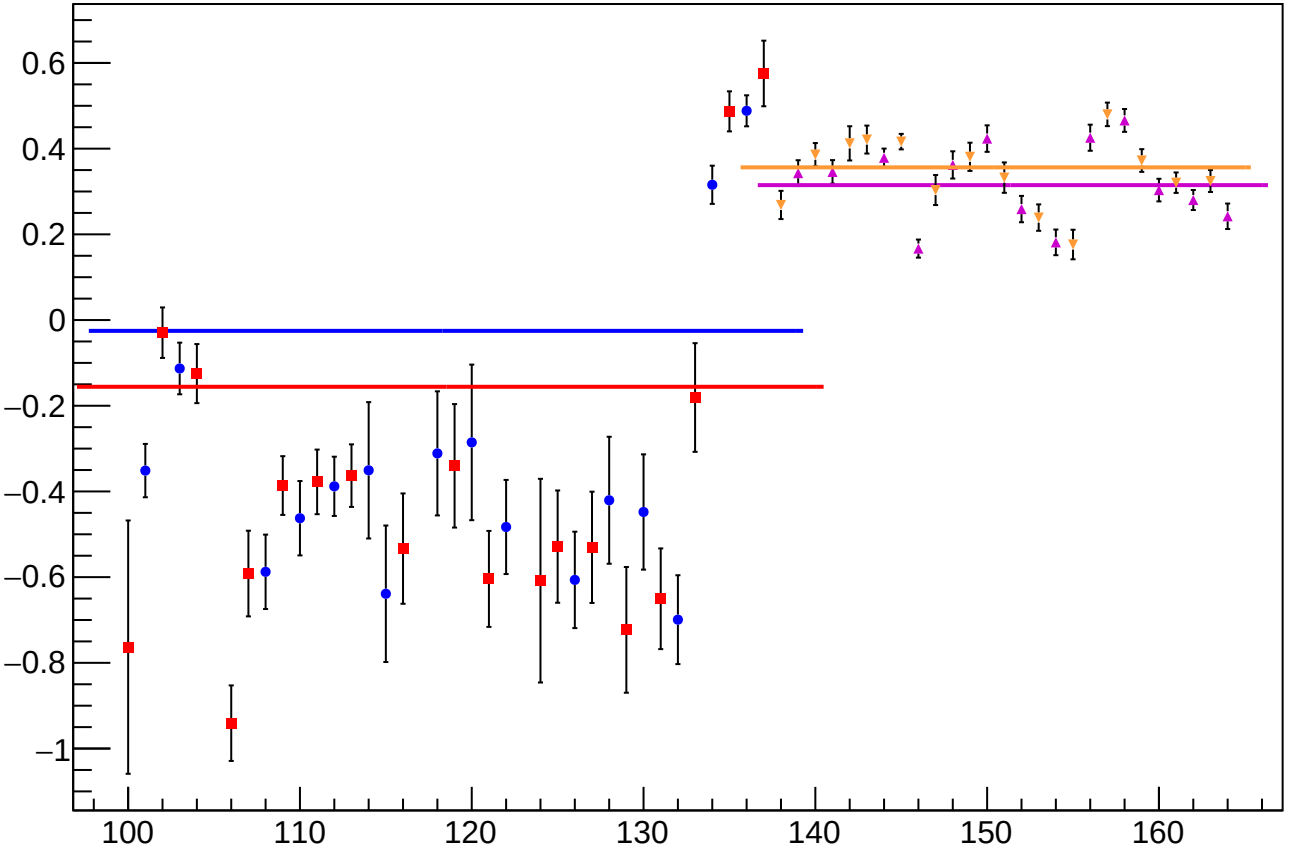
Left In: 5.252+/-0.158 χ^2/NDF:584.5/12

+ sign 4.906+/-0.148 χ^2/NDF: 1249.5/29

All: 4.970+/-0.104 χ^2/NDF: 2137.9/61

- 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: 0.356+/-0.008 χ^2/NDF:94.7/13

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

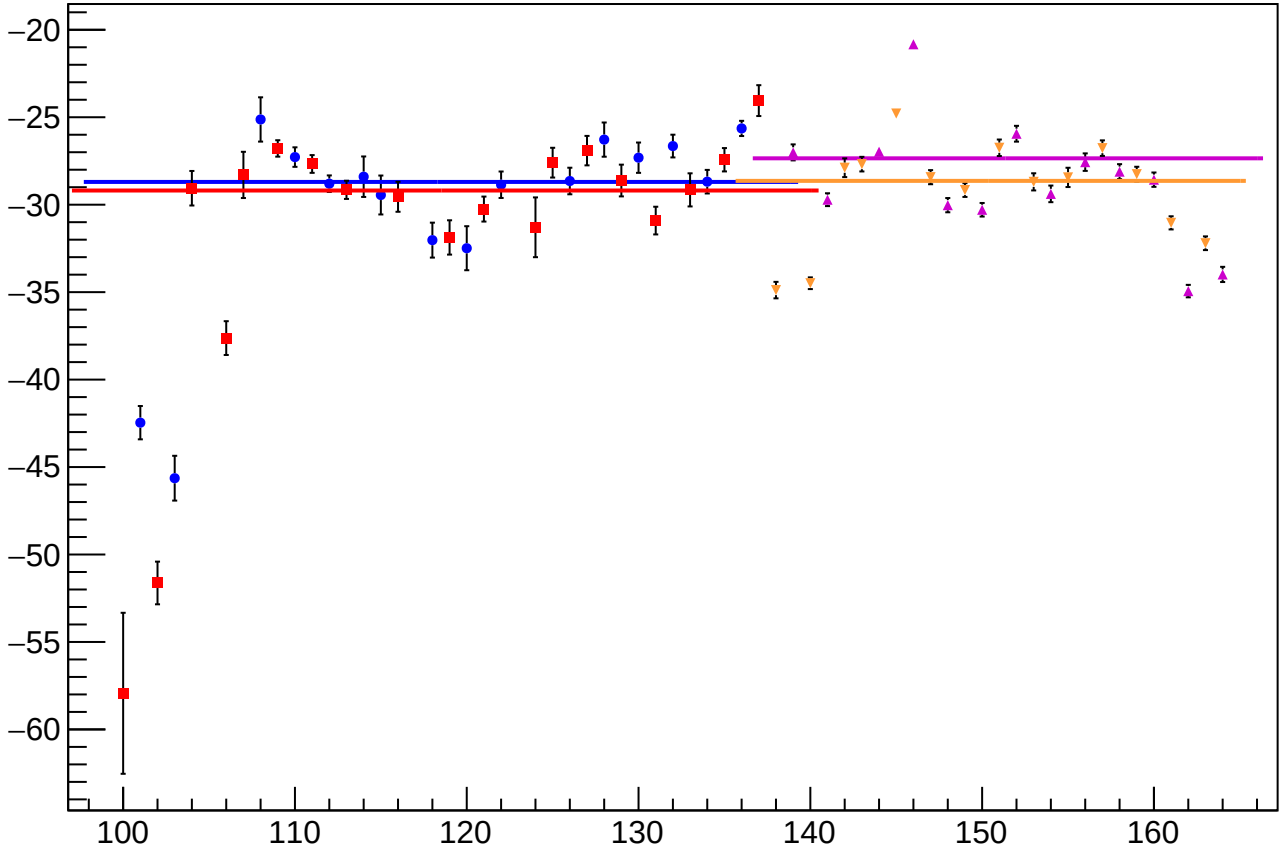
Left In: 0.315+/-0.007 χ^2/NDF:151.6/12

+ sign 0.304+/-0.007 χ^2/NDF: 956.8/29

All: 0.281+/-0.005 χ^2/NDF: 2101.0/61

- 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: -28.638+/-0.102 χ^2/NDF:1010.0/13

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

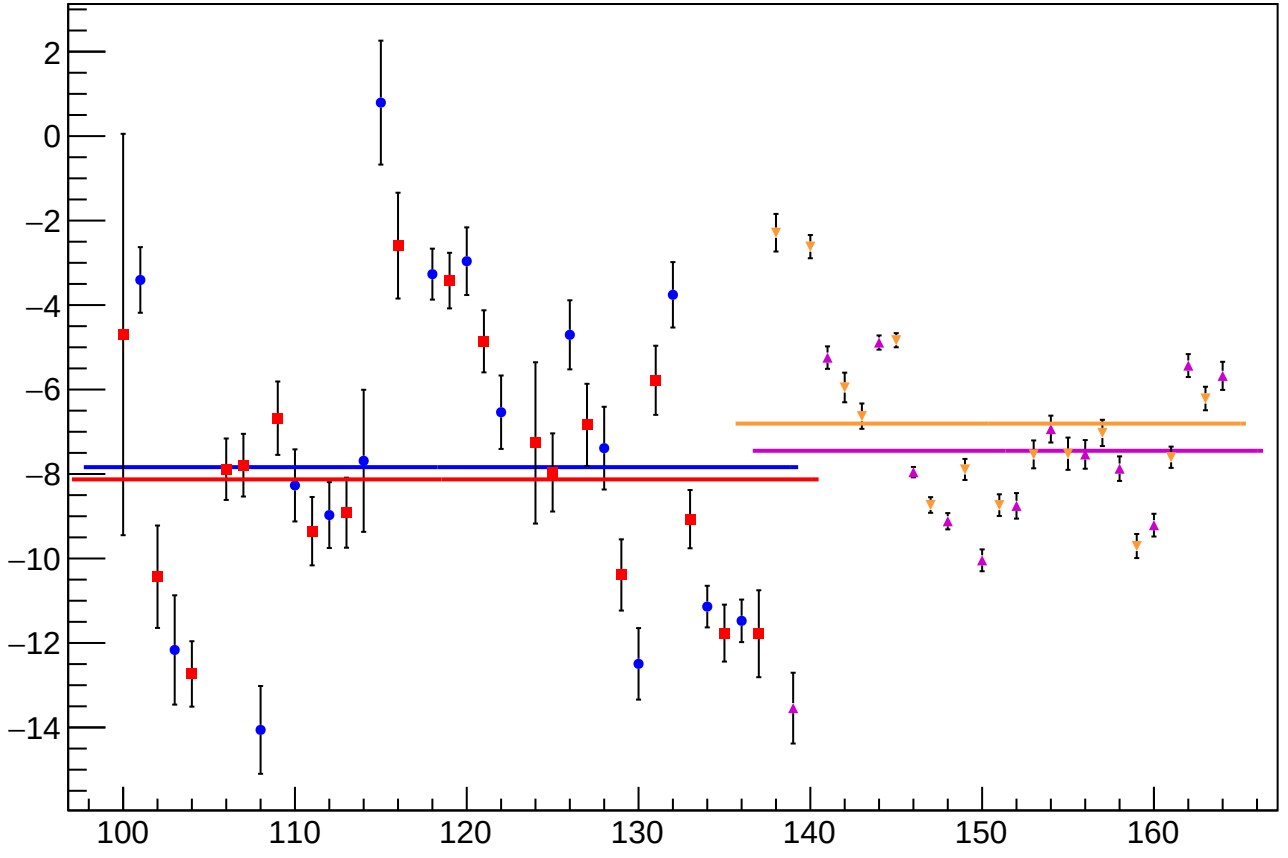
Left In: -27.349+/-0.097 χ^2/NDF:1872.2/12

+ sign -28.652+/-0.090 χ^2/NDF: 1497.4/29

All: -28.187+/-0.062 χ^2/NDF: 4058.5/61

- 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: -6.806+/-0.071 χ^2/NDF:790.9/13

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

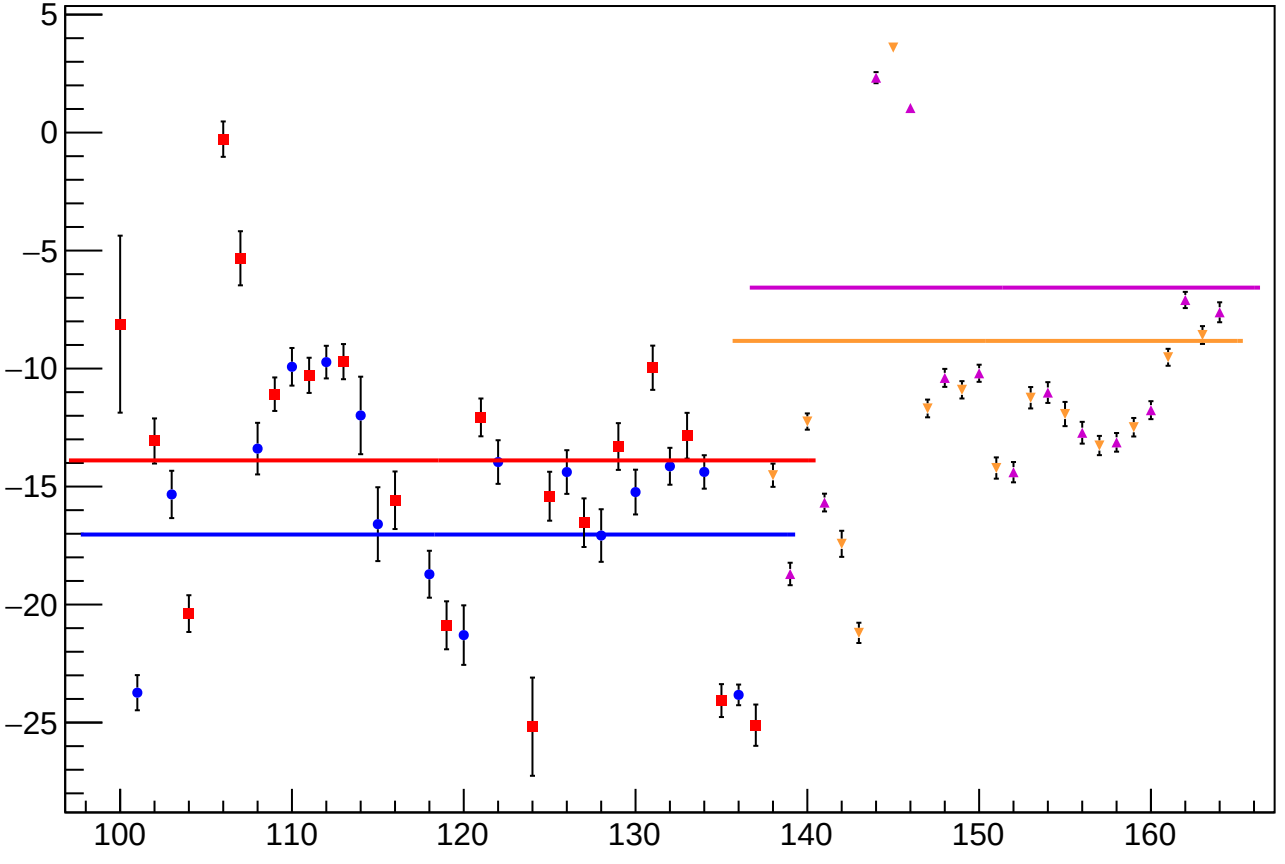
Left In: -7.450+/-0.065 χ^2/NDF:695.9/12

+ sign -6.926+/-0.066 χ^2/NDF: 1198.8/29

All: -7.242+/-0.045 χ^2/NDF: 2145.3/61

- 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: -8.828+/-0.100 χ^2/NDF:5382.8/13

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

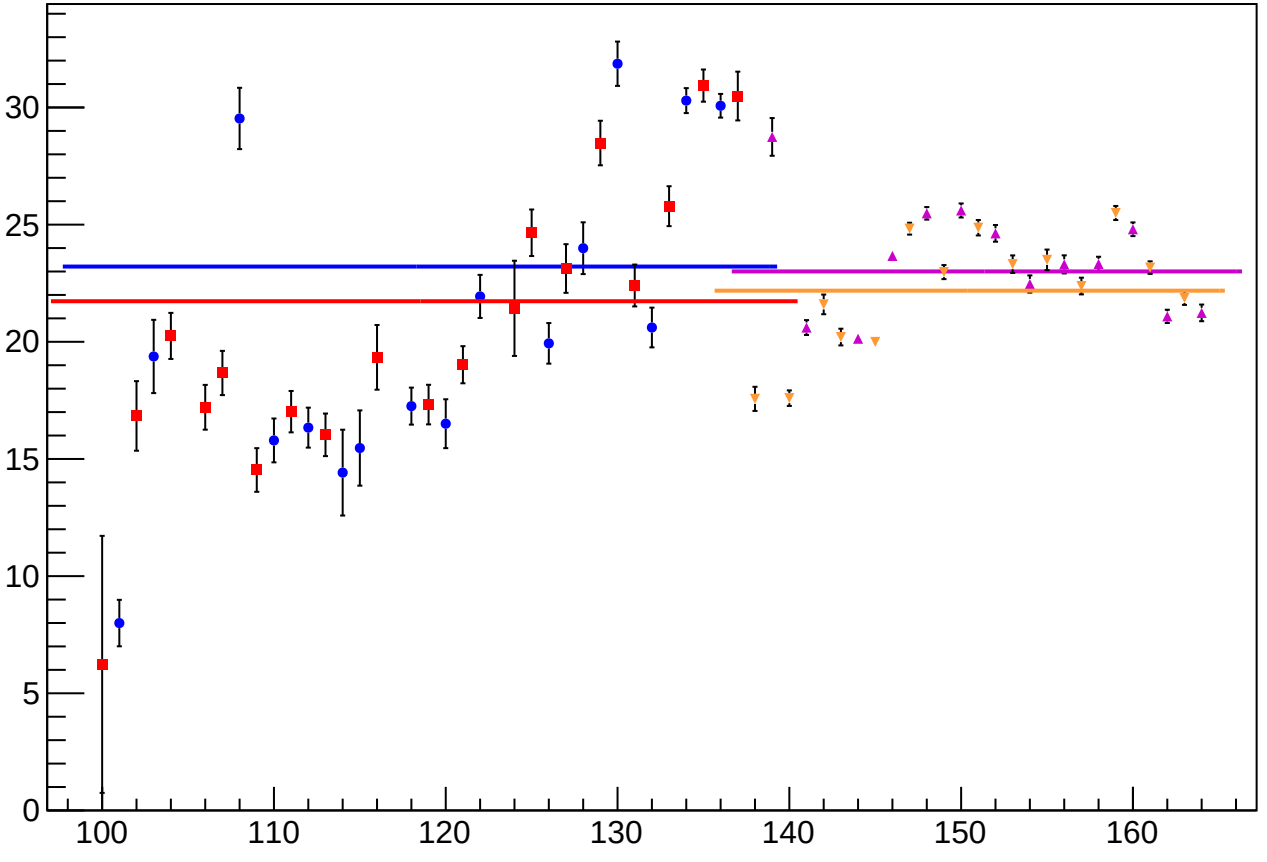
Left In: -6.570+/-0.094 χ^2/NDF:5416.5/12

+ sign -10.355+/-0.090 χ^2/NDF: 7233.8/29

All: -9.021+/-0.062 χ^2/NDF: 15100.3/61

- 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: 22.182+/-0.083 χ^2/NDF:771.4/13

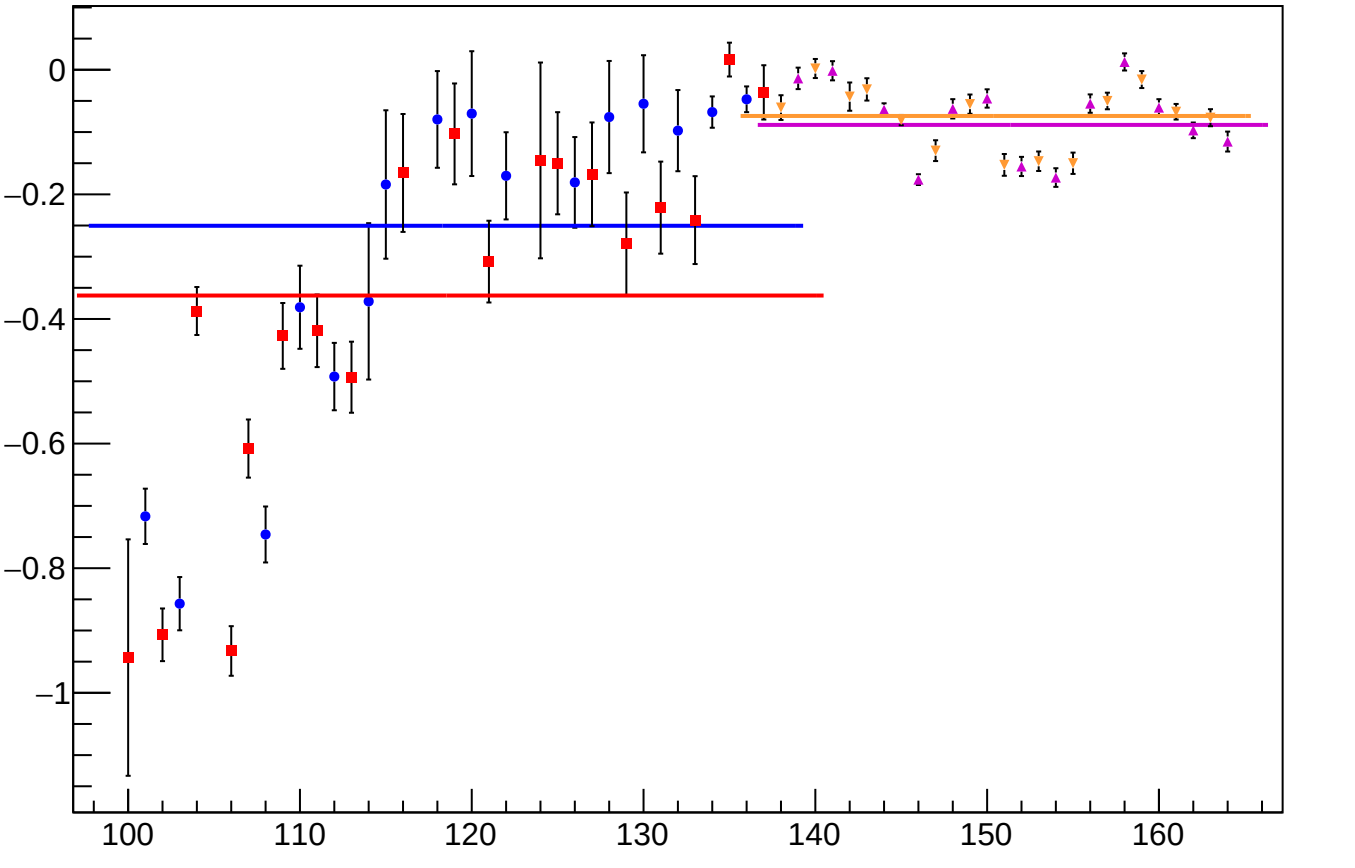
Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.003+/-0.077 χ^2/NDF:632.5/12

+ sign 22.311+/-0.077 χ^2/NDF: 1799.1/29

All: 22.607+/-0.053 χ^2/NDF: 3046.2/61

- sign 22.869+/-0.073 χ^2/NDF: 1219.5/31



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/13

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

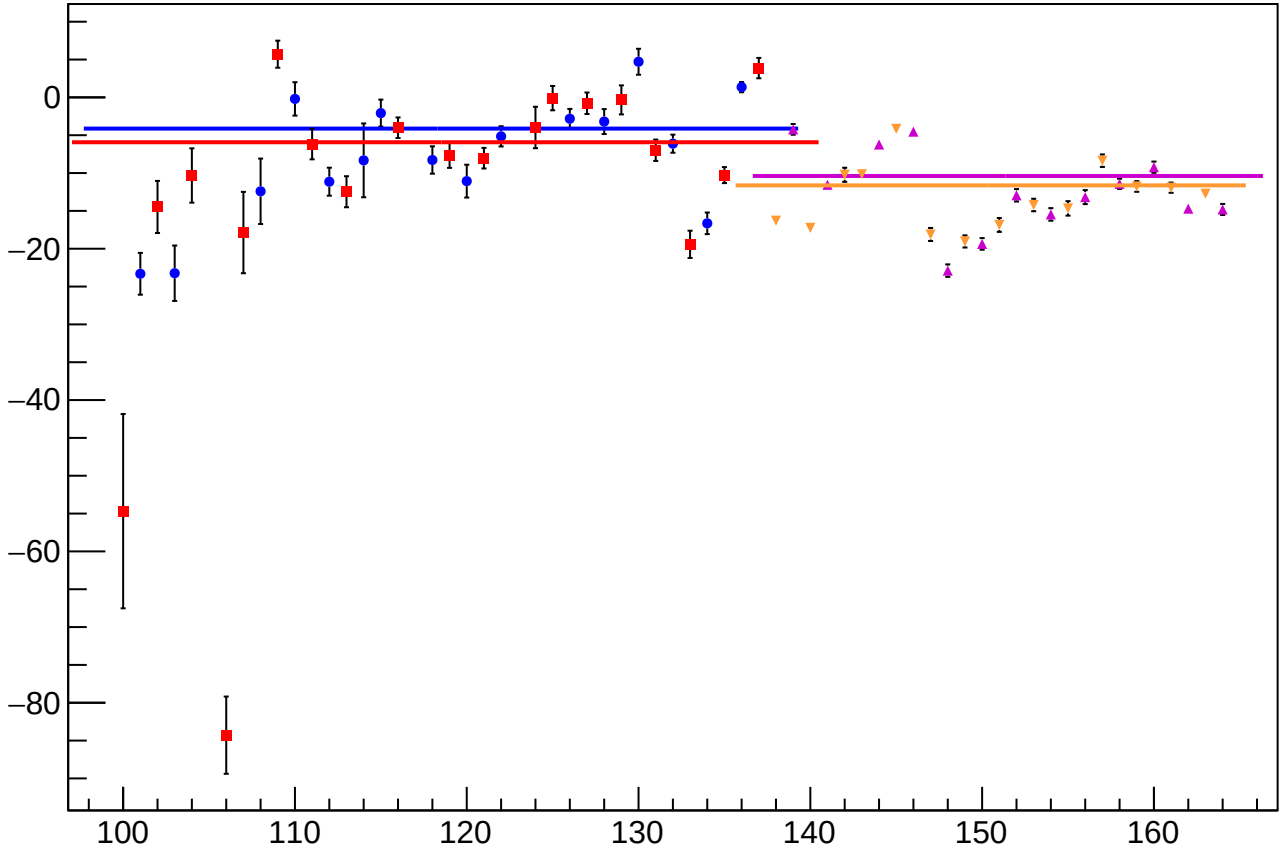
Left In: -0.089+/-0.004 χ^2/NDF:288.2/12

+ sign -0.091+/-0.004 χ^2/NDF: 969.1/29

All: -0.101+/-0.003 χ^2/NDF: 2428.1/61

- 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: -11.630+/-0.180 χ^2/NDF:787.9/13

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

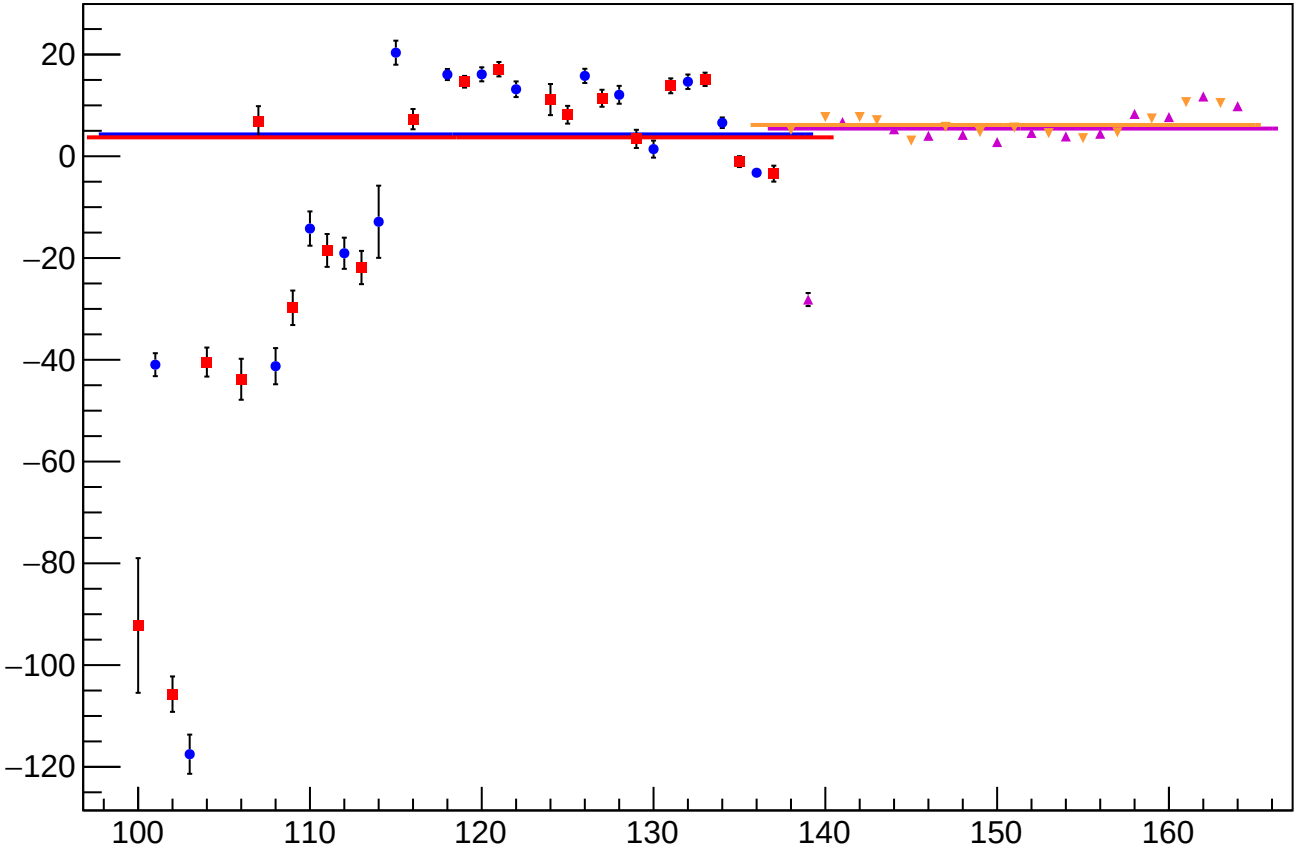
Left In: -10.386+/-0.176 χ^2/NDF:900.9/12

+ sign -10.266+/-0.163 χ^2/NDF: 1392.2/29

All: -9.974+/-0.115 χ^2/NDF: 2882.8/61

- 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: 6.153+/-0.127 χ^2/NDF:360.8/13

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

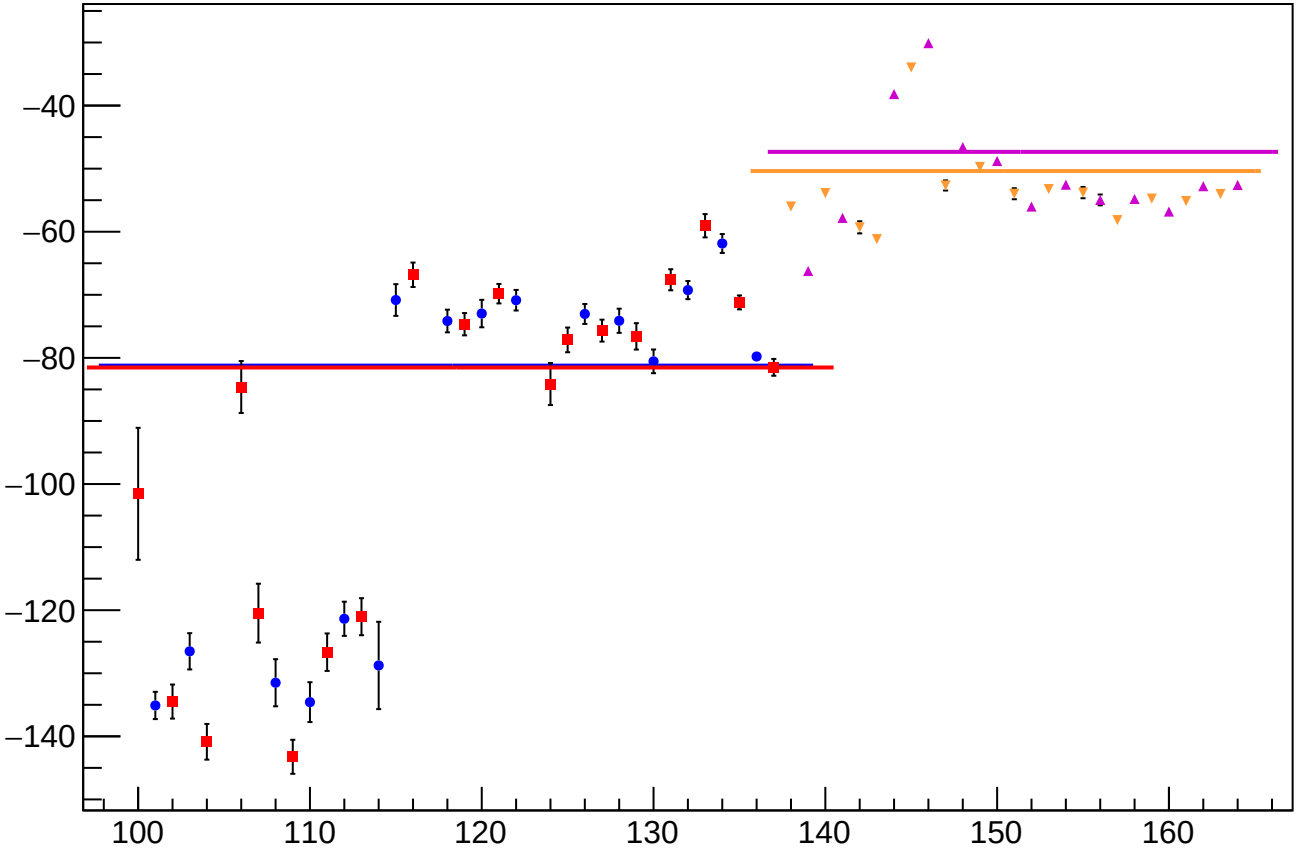
Left In: 5.445+/-0.121 χ^2/NDF:1084.3/12

+ sign 5.971+/-0.120 χ^2/NDF: 2551.0/29

All: 5.631+/-0.084 χ^2/NDF: 5673.4/61

- sign 5.315+/-0.116 χ^2/NDF: 3107.0/31

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.378+/-0.177 χ^2/NDF:2616.0/13

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

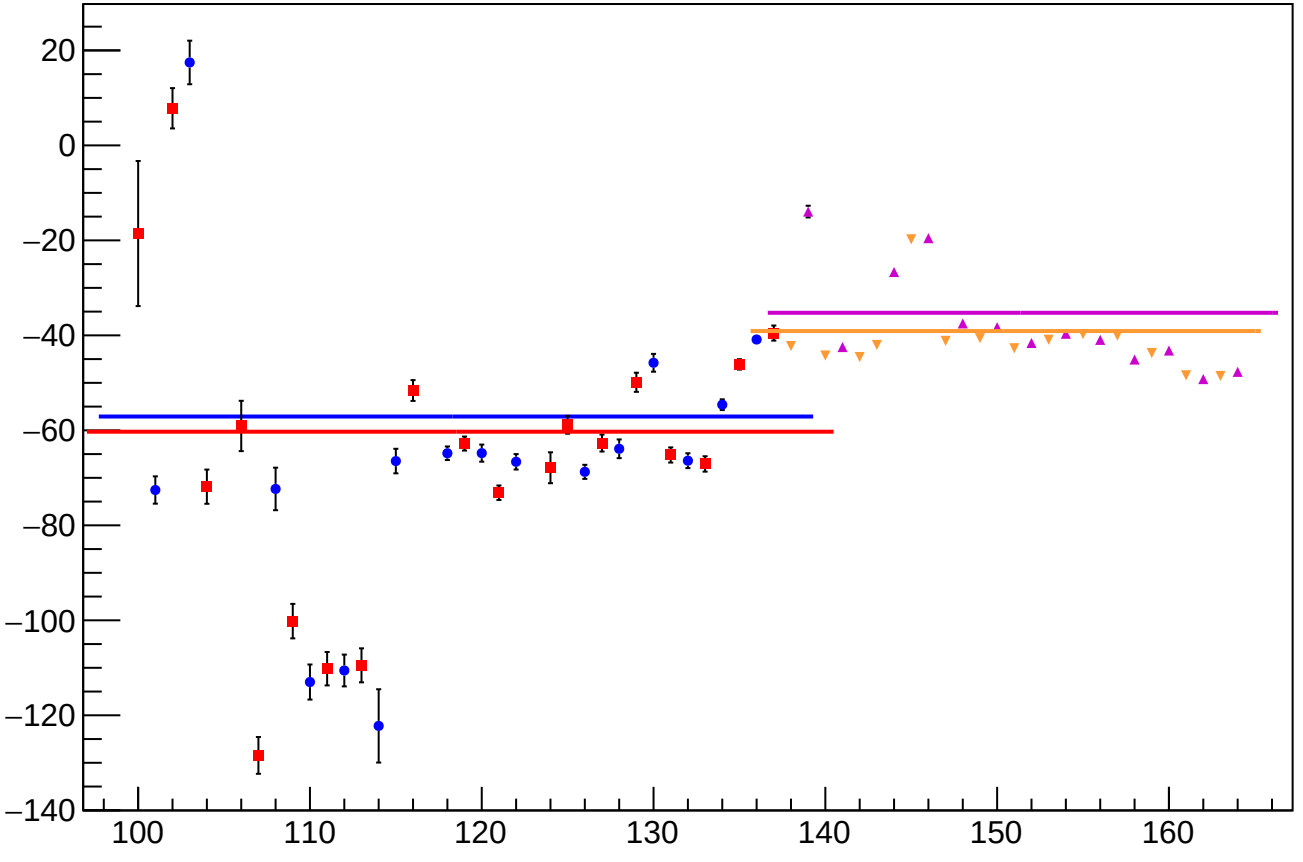
Left In: -47.338+/-0.171 χ^2/NDF:4019.2/12

+ sign -55.099+/-0.163 χ^2/NDF: 9227.3/29

All: -53.259+/-0.114 χ^2/NDF: 20611.6/61

- 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: -39.093+/-0.147 χ^2/NDF:4306.5/13

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

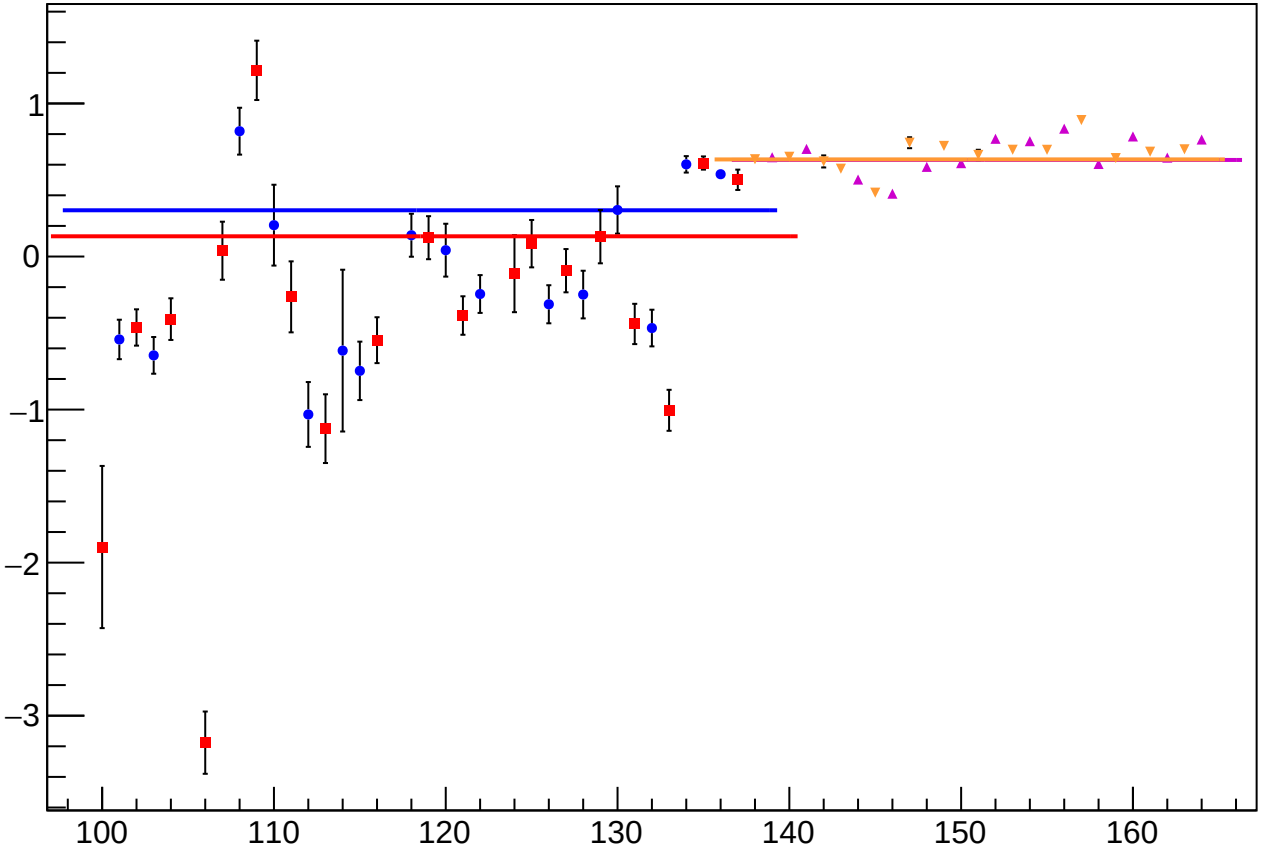
Left In: -35.247+/-0.141 χ^2/NDF:5801.7/12

+ sign -41.016+/-0.139 χ^2/NDF: 7429.1/29

All: -39.112+/-0.097 χ^2/NDF: 17786.0/61

- sign -37.316+/-0.135 χ^2/NDF: 9993.1/31

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.634+/-0.007 χ^2/NDF:363.1/13

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

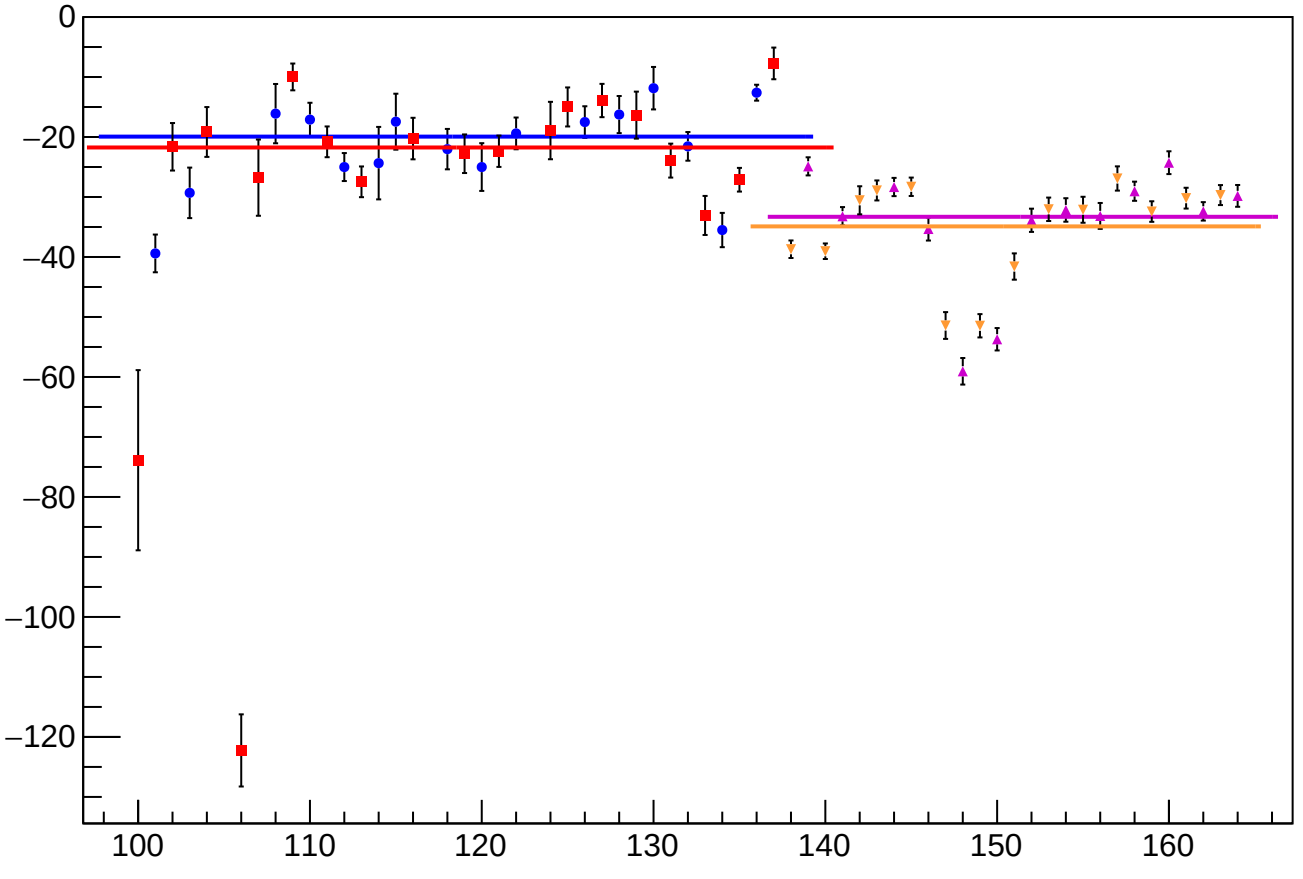
Left In: 0.631+/-0.007 χ^2/NDF:389.4/12

+ sign 0.608+/-0.007 χ^2/NDF: 930.7/29

All: 0.605+/-0.005 χ^2/NDF: 2326.4/61

- 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: -34.901+/-0.473 χ^2/NDF:227.4/13

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

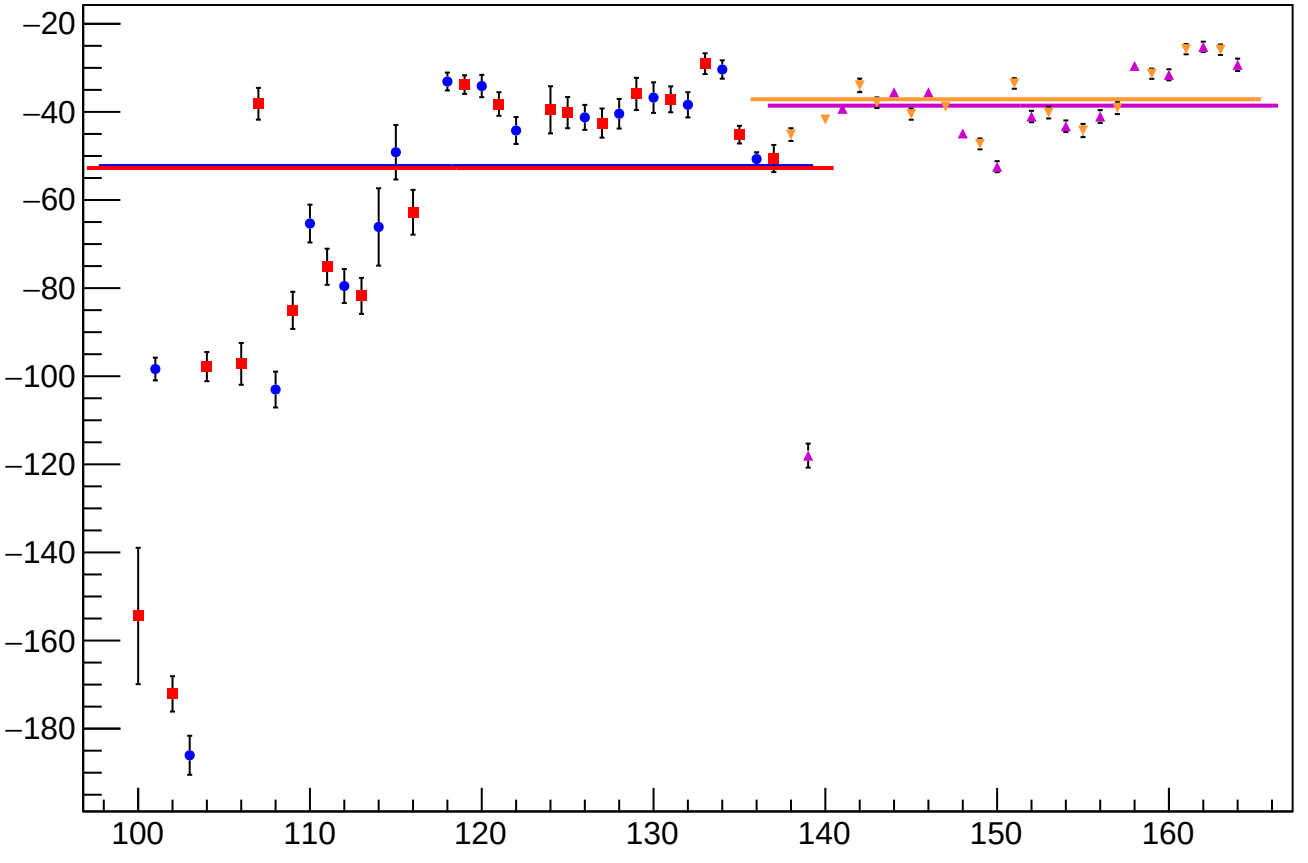
Left In: -33.301+/-0.488 χ^2/NDF:331.8/12

+ sign -30.155+/-0.391 χ^2/NDF: 664.8/29

All: -29.894+/-0.281 χ^2/NDF: 1564.4/61

- 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: -37.125+/-0.332 χ^2/NDF:380.1/13

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

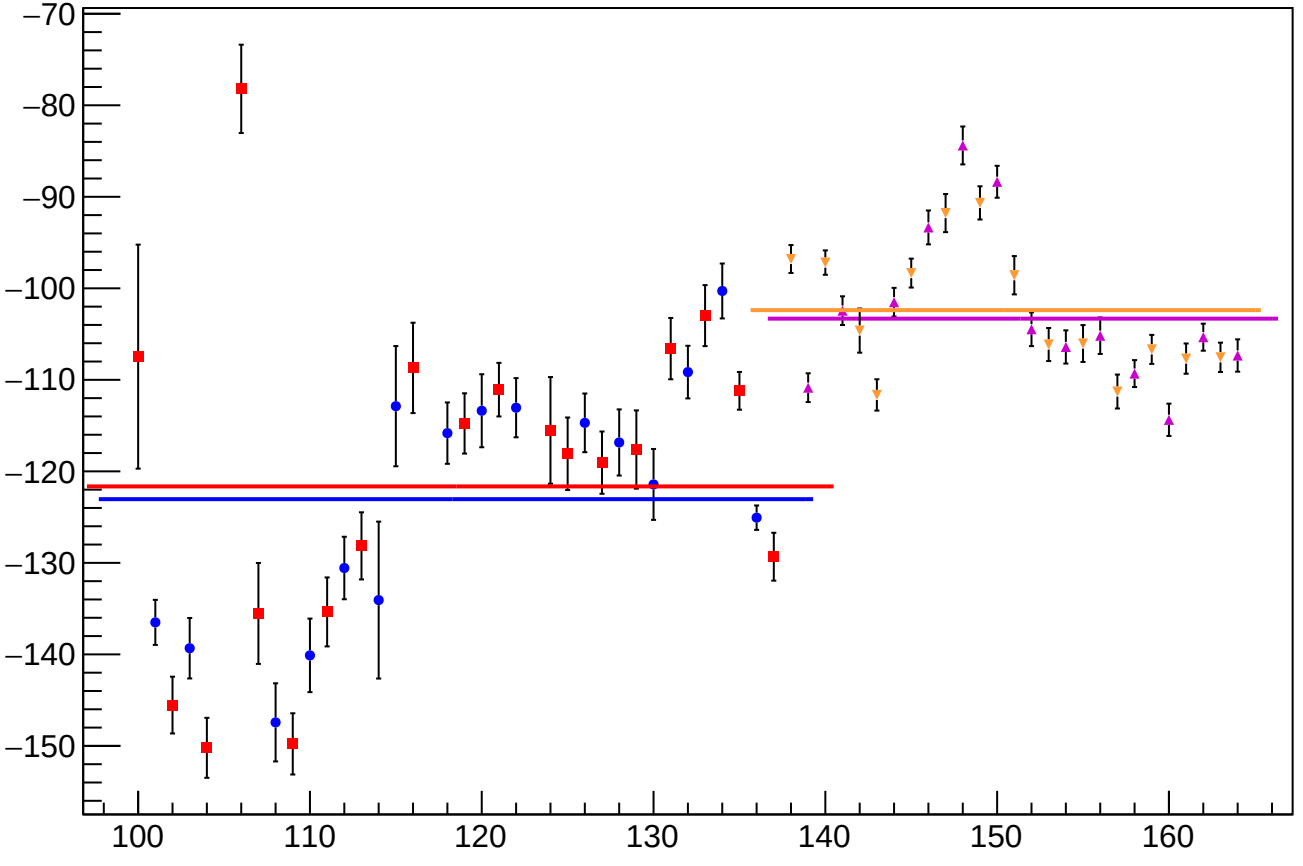
Left In: -38.576+/-0.345 χ^2/NDF:1312.5/12

+ sign -39.854+/-0.300 χ^2/NDF: 2534.8/29

All: -40.432+/-0.217 χ^2/NDF: 5812.8/61

- 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: -102.383+/-0.463 χ^2/NDF:194.8/13

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

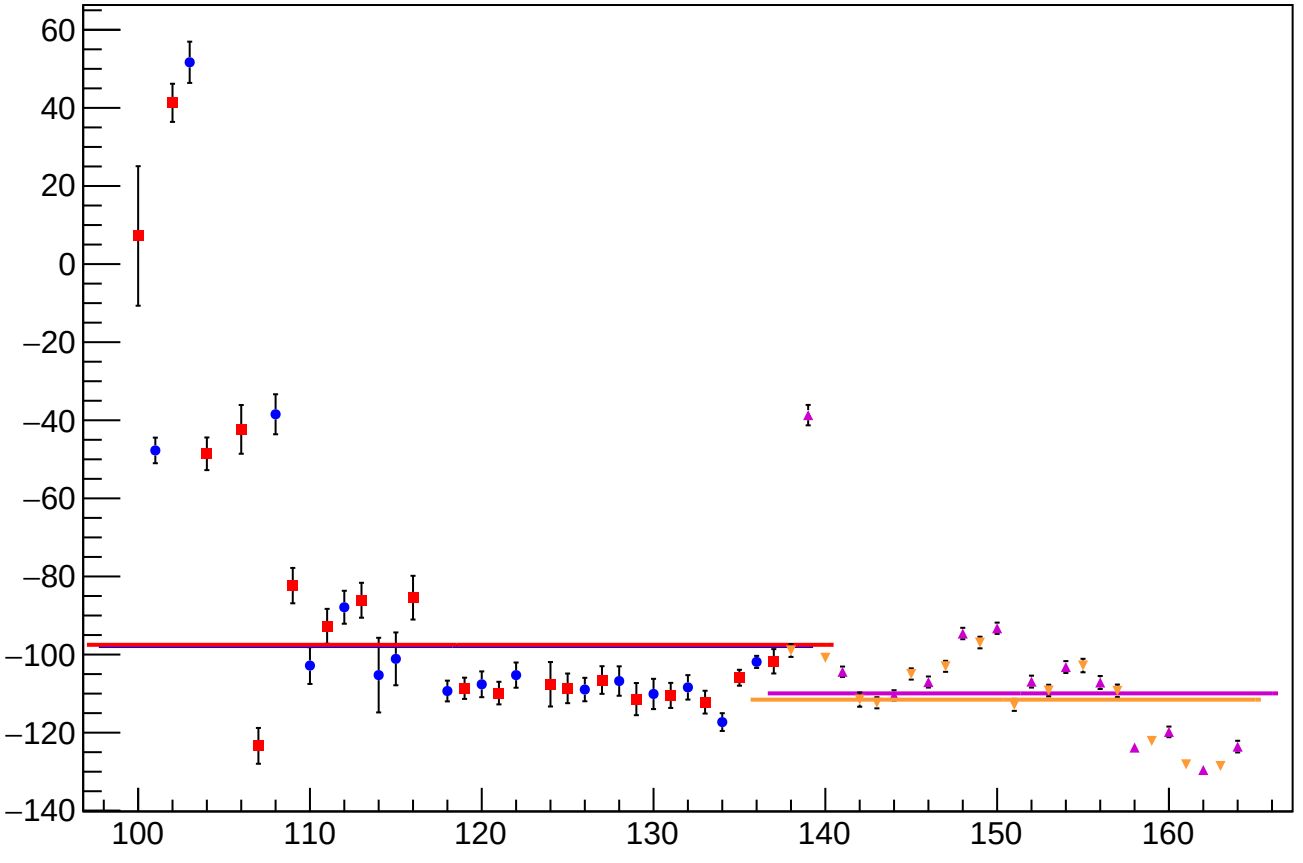
Left In: -103.314+/-0.472 χ^2/NDF:277.7/12

+ sign -108.082+/-0.394 χ^2/NDF: 970.9/29

All: -108.063+/-0.283 χ^2/NDF: 2061.6/61

- 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: -111.548+/-0.385 χ^2/NDF:752.8/13

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

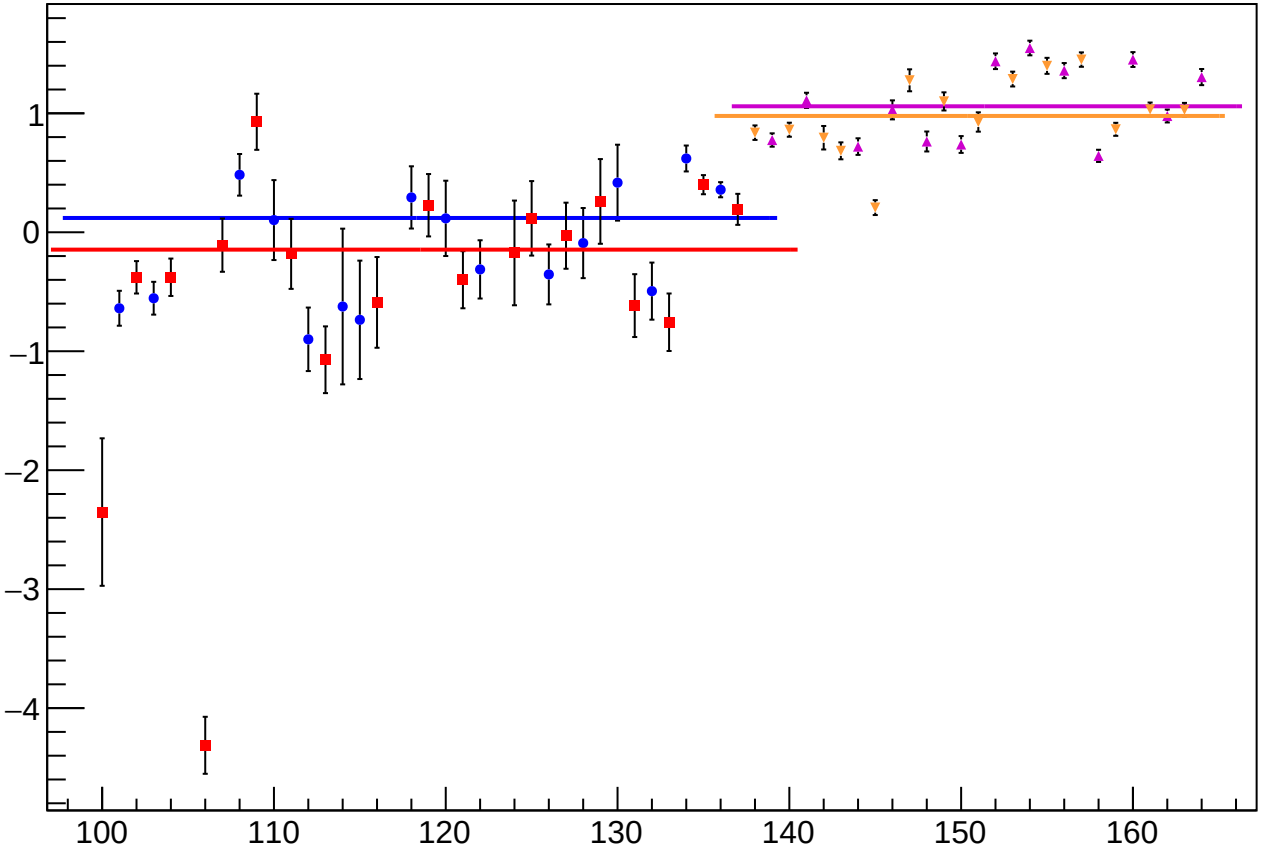
Left In: -109.944+/-0.396 χ^2/NDF:1572.2/12

+ sign -108.929+/-0.346 χ^2/NDF: 2326.4/29

All: -108.332+/-0.249 χ^2/NDF: 5319.6/61

- 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: 0.978+/-0.018 χ^2/NDF:325.4/13

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

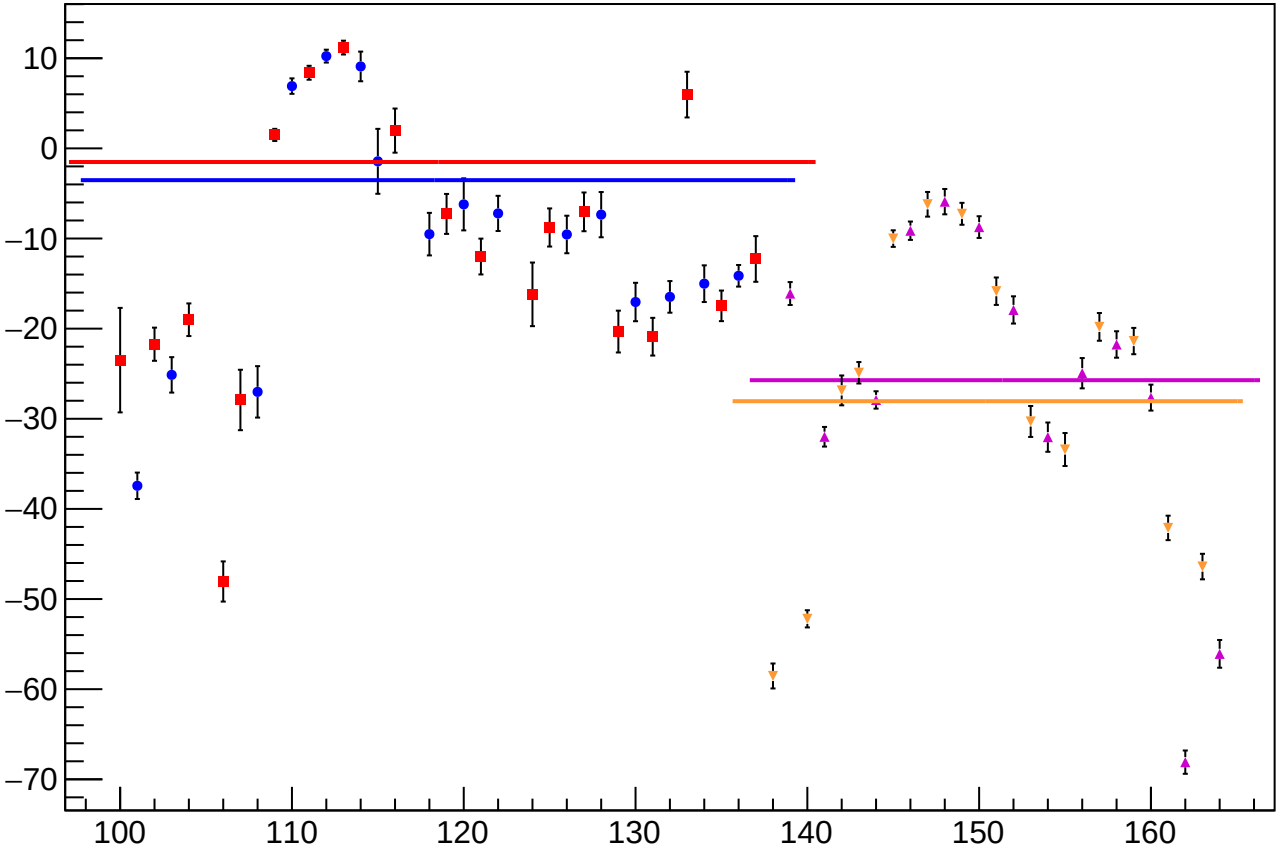
Left In: 1.059+/-0.018 χ^2/NDF:322.3/12

+ sign 0.846+/-0.016 χ^2/NDF: 815.4/29

All: 0.871+/-0.012 χ^2/NDF: 2187.5/61

- 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: -28.051+/-0.352 χ^2/NDF:2464.3/13

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

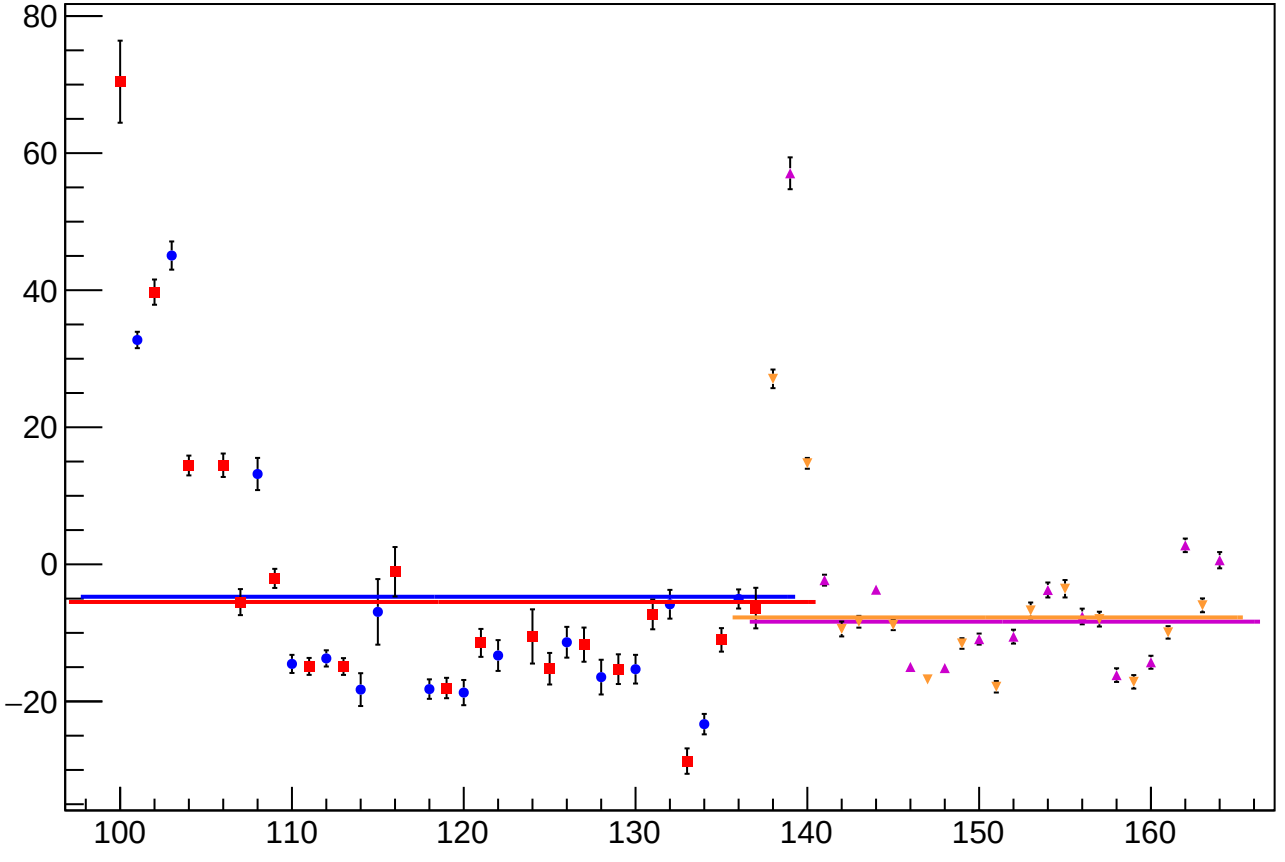
Left In: -25.719+/-0.357 χ^2/NDF:2272.7/12

+ sign -16.633+/-0.257 χ^2/NDF: 6257.6/29

All: -14.714+/-0.178 χ^2/NDF: 12580.8/61

- 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: -7.745+/-0.242 χ^2/NDF:1956.1/13

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

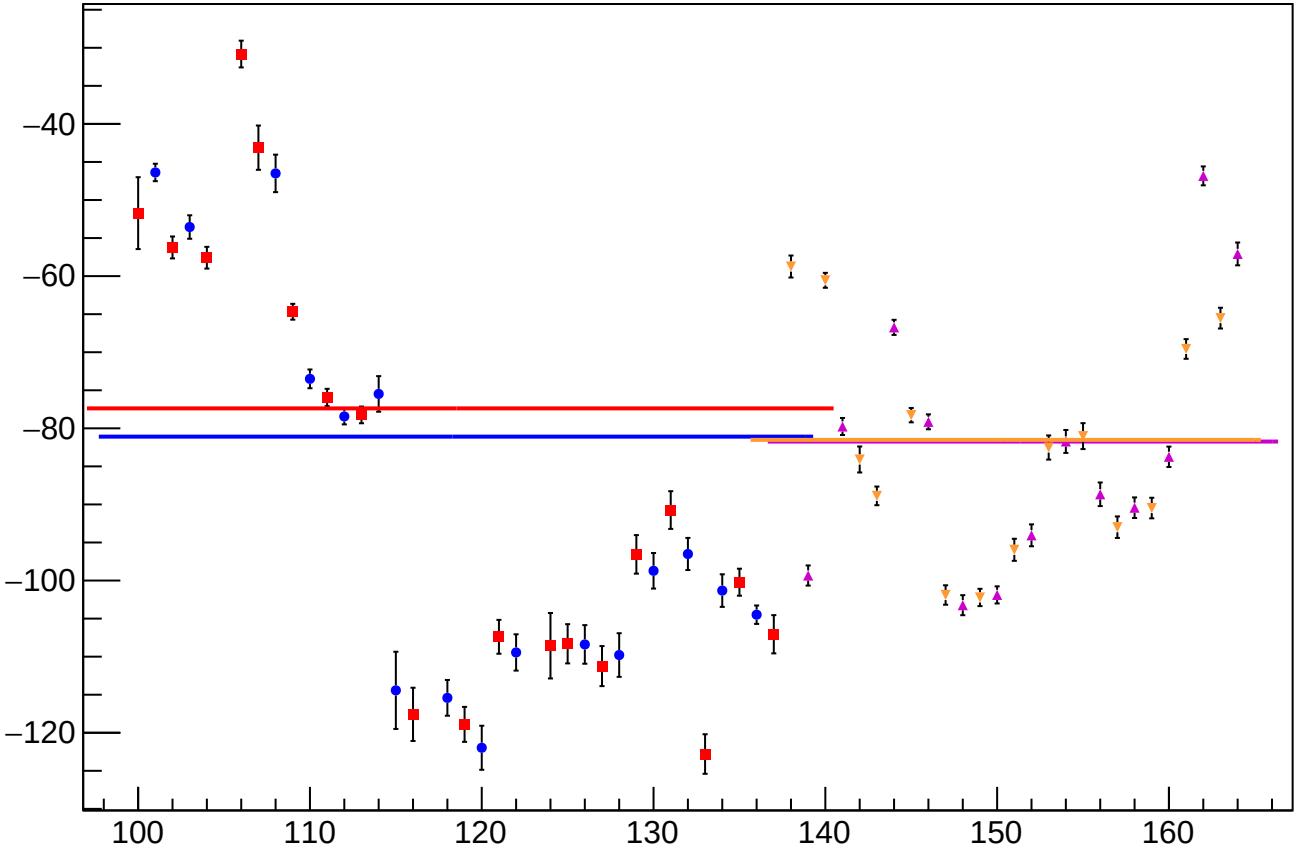
Left In: -8.365+/-0.245 χ^2/NDF:1428.9/12

+ sign -7.021+/-0.211 χ^2/NDF: 4141.3/29

All: -7.328+/-0.150 χ^2/NDF: 7117.6/61

- 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: -81.516+/-0.344 χ^2/NDF:1775.0/13

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

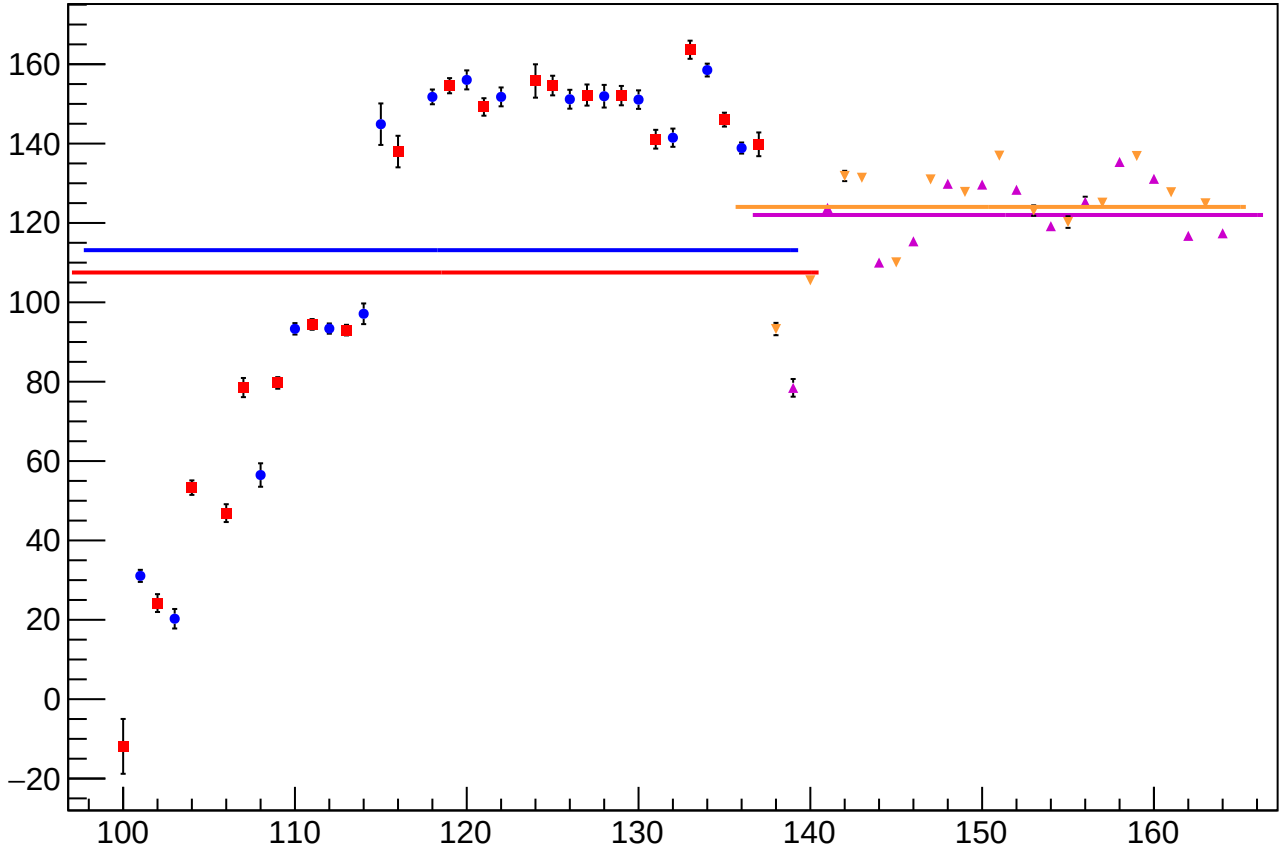
Left In: -81.737+/-0.347 χ^2/NDF:2198.1/12

+ sign -81.354+/-0.271 χ^2/NDF: 4645.9/29

All: -80.644+/-0.190 χ^2/NDF: 10051.8/61

- sign -79.956+/-0.266 χ^2/NDF: 5392.4/31

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 124.043+/-0.285 χ^2/NDF:1516.8/13

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

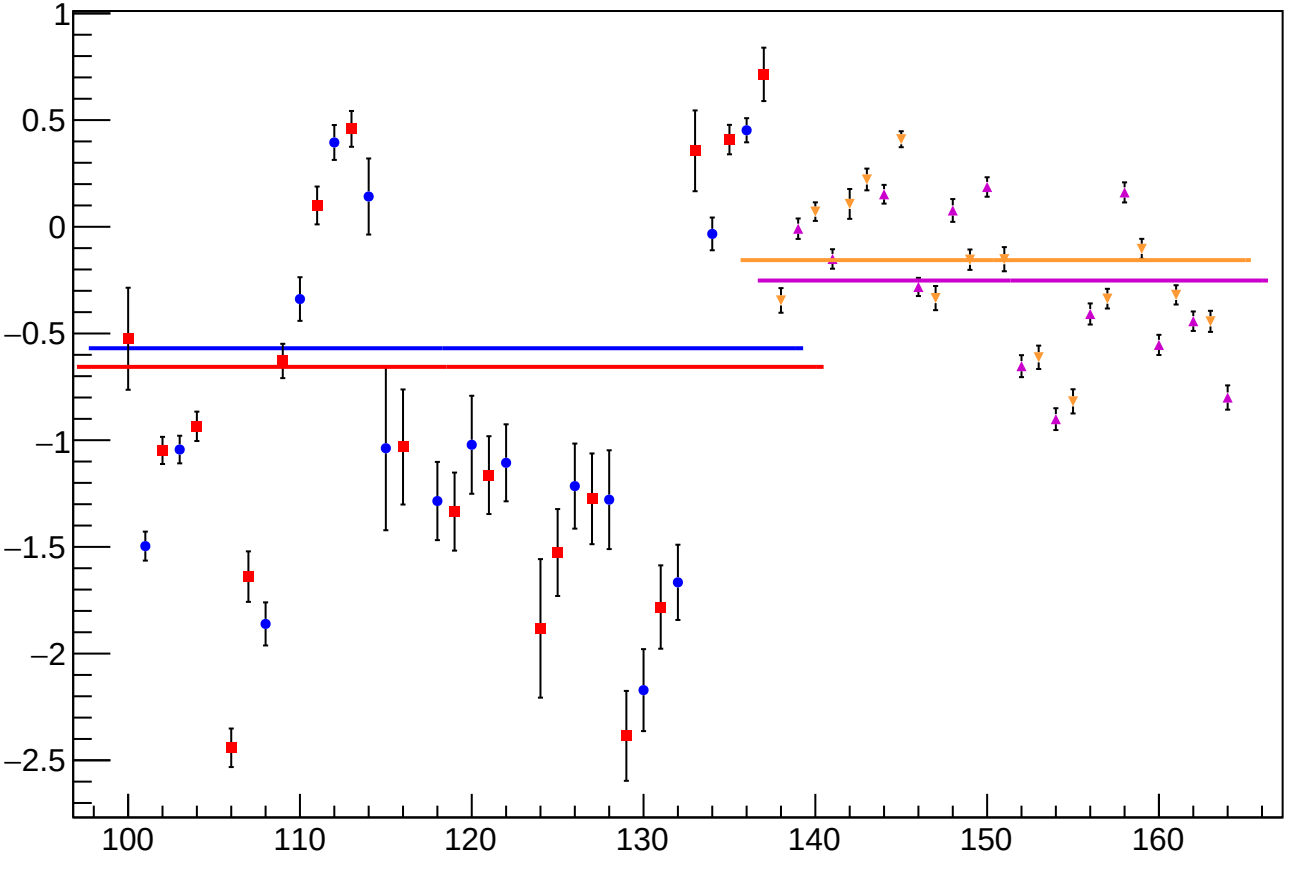
Left In: 122.010+/-0.287 χ^2/NDF:1125.9/12

+ sign 121.283+/-0.246 χ^2/NDF: 10092.0/29

All: 119.734+/-0.174 χ^2/NDF: 19514.2/61

- 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: -0.156+/-0.013 χ^2/NDF:615.2/13

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

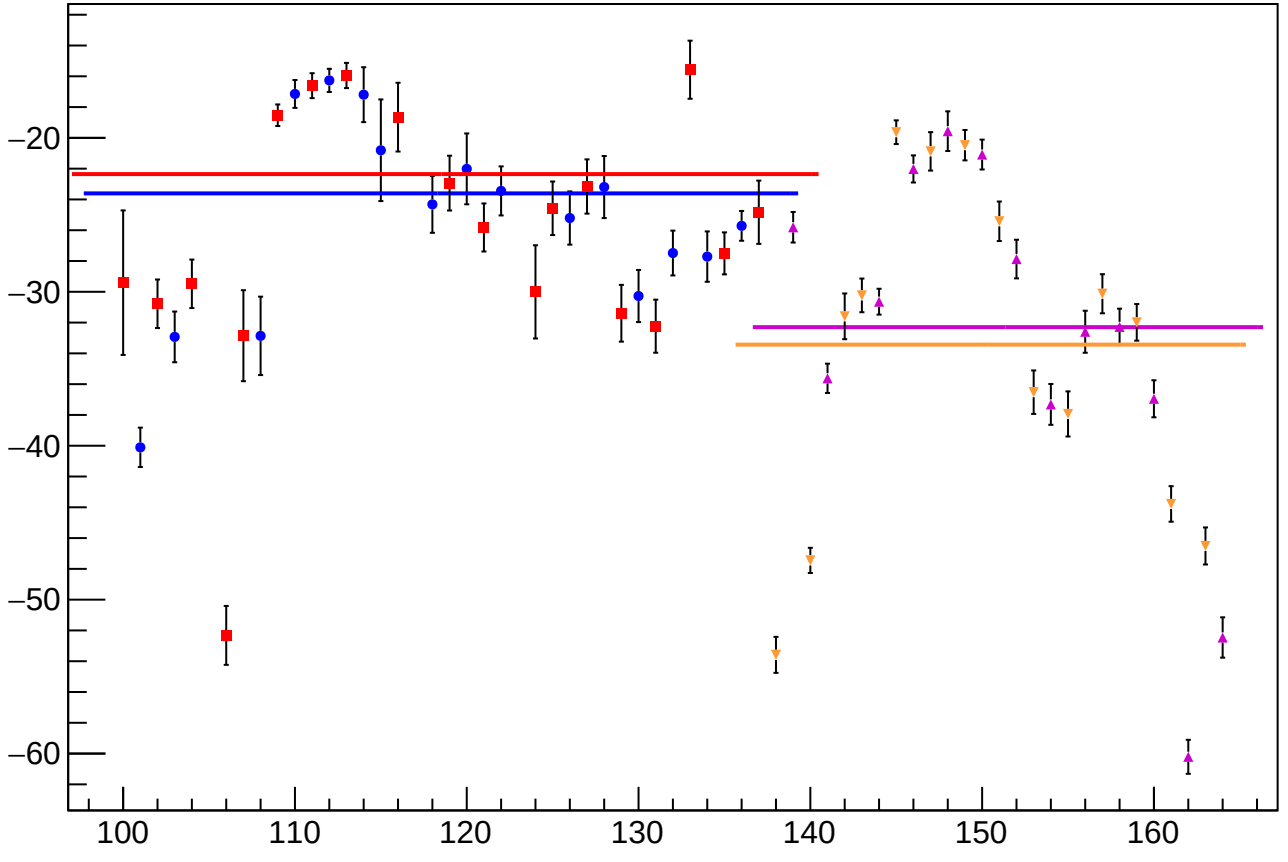
Left In: -0.252+/-0.013 χ^2/NDF:706.2/12

+ sign -0.243+/-0.012 χ^2/NDF: 1915.1/29

All: -0.291+/-0.008 χ^2/NDF: 4172.0/61

- 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: -33.432+/-0.299 χ^2/NDF:1454.2/13

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

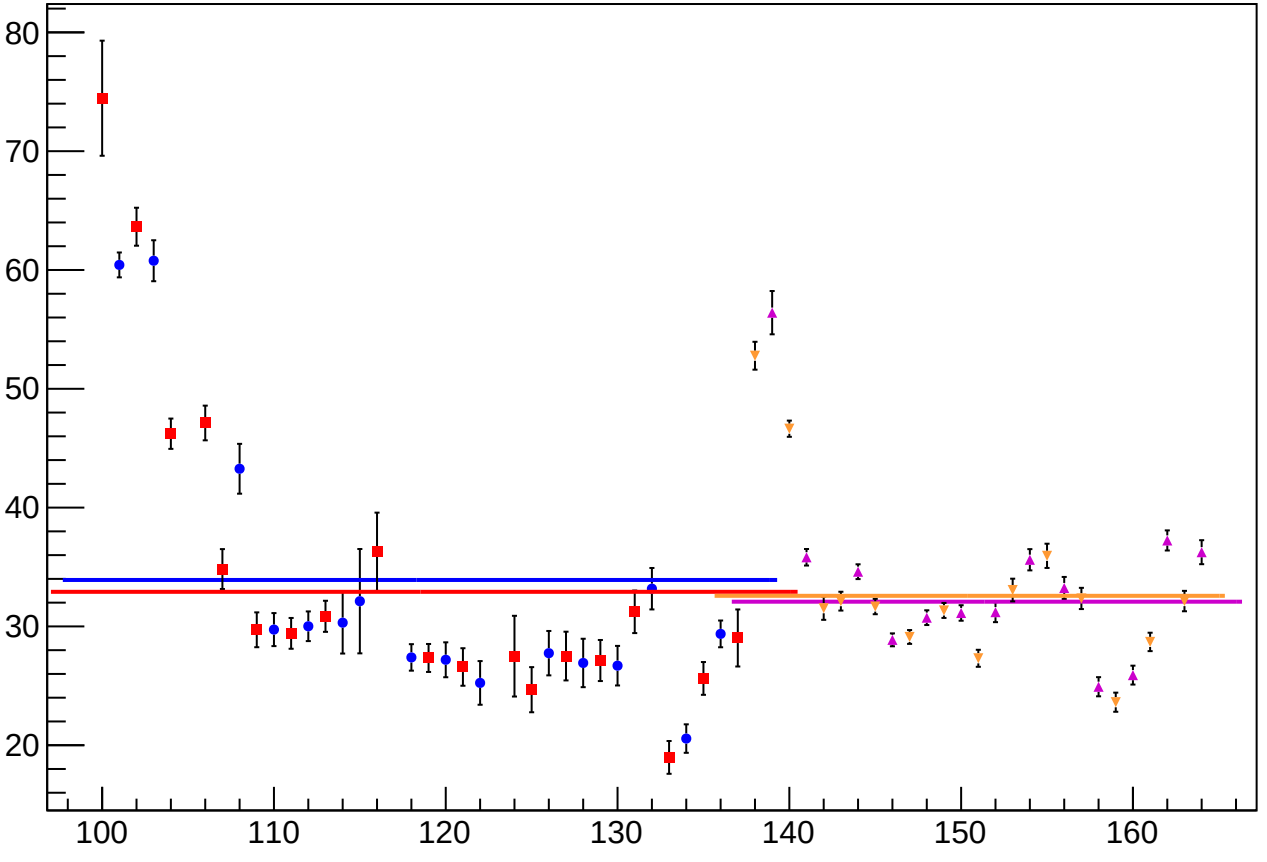
Left In: -32.297+/-0.301 χ^2/NDF:1343.8/12

+ sign -29.267+/-0.227 χ^2/NDF: 2319.1/29

All: -28.437+/-0.158 χ^2/NDF: 4749.8/61

- 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+/-0.208 χ^2/NDF:978.5/13

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

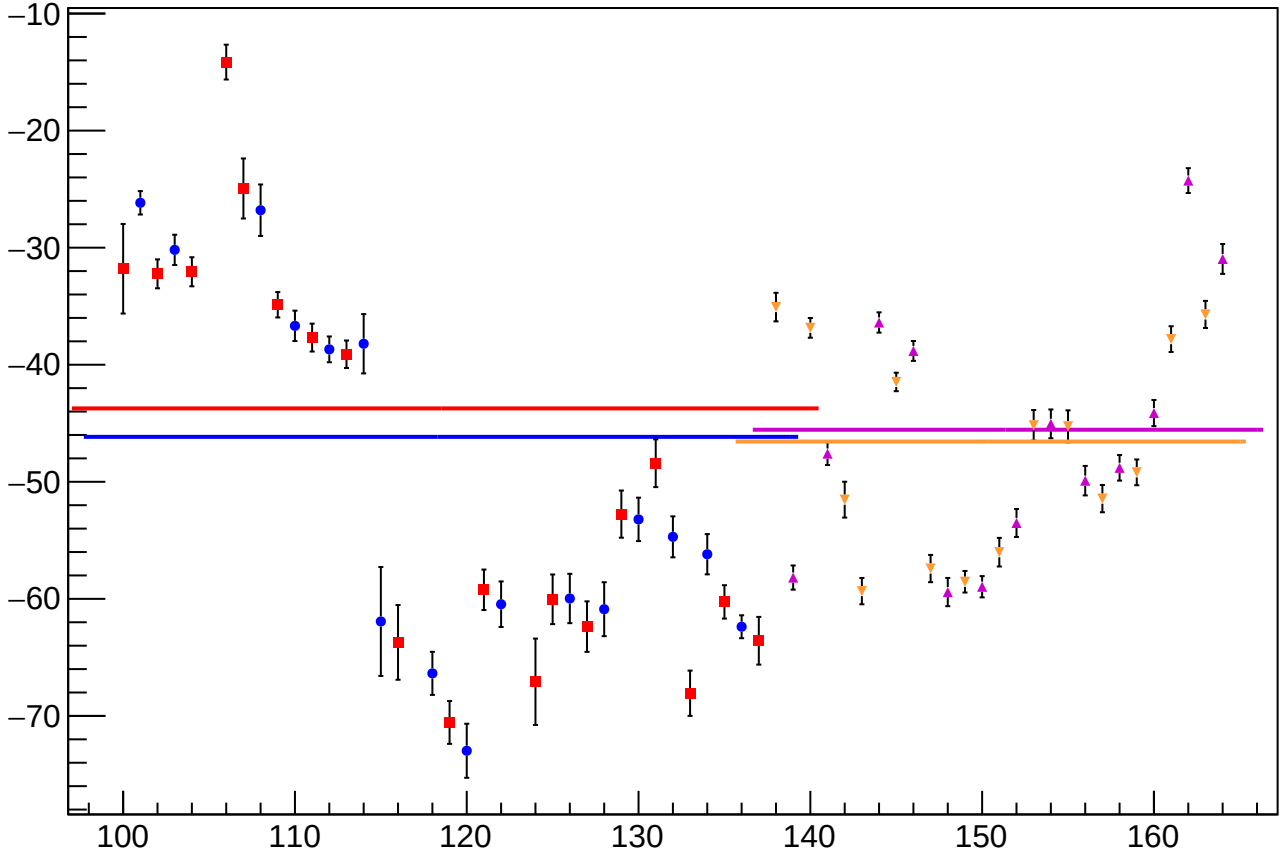
Left In: 32.080+/-0.210 χ^2/NDF:476.8/12

+ sign 32.888+/-0.182 χ^2/NDF: 2172.6/29

All: 32.587+/-0.129 χ^2/NDF: 3533.7/61

- 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: -46.562+/-0.292 χ^2/NDF:894.1/13

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

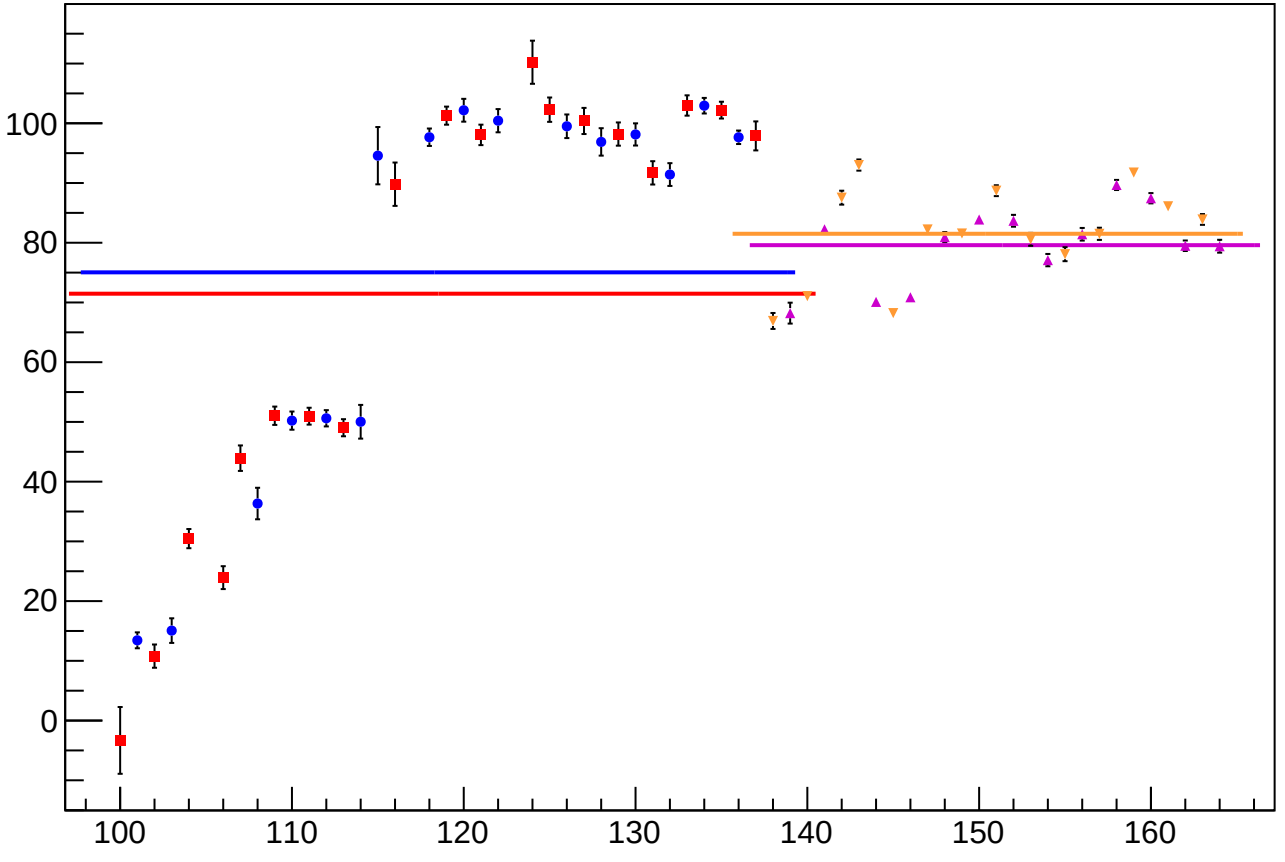
Left In: -45.553+/-0.292 χ^2/NDF:1279.2/12

+ sign -46.417+/-0.234 χ^2/NDF: 2384.4/29

All: -45.637+/-0.164 χ^2/NDF: 5363.6/61

- 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: 81.501+/-0.243 χ^2/NDF:1043.0/13

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

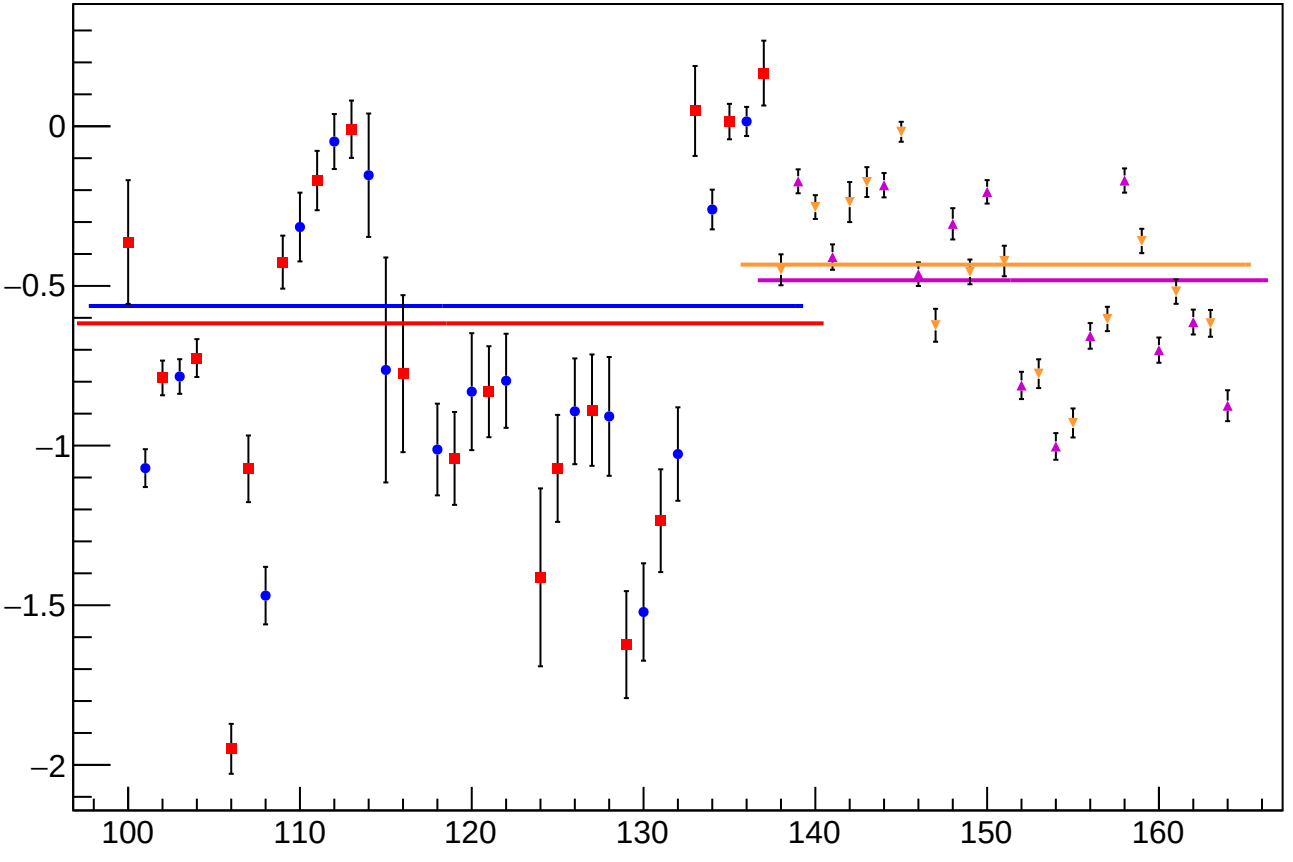
Left In: 79.594+/-0.244 χ^2/NDF:677.8/12

+ sign 79.924+/-0.211 χ^2/NDF: 7044.0/29

All: 78.756+/-0.150 χ^2/NDF: 13685.4/61

- 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: -0.433+/-0.011 χ^2/NDF:479.9/13

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

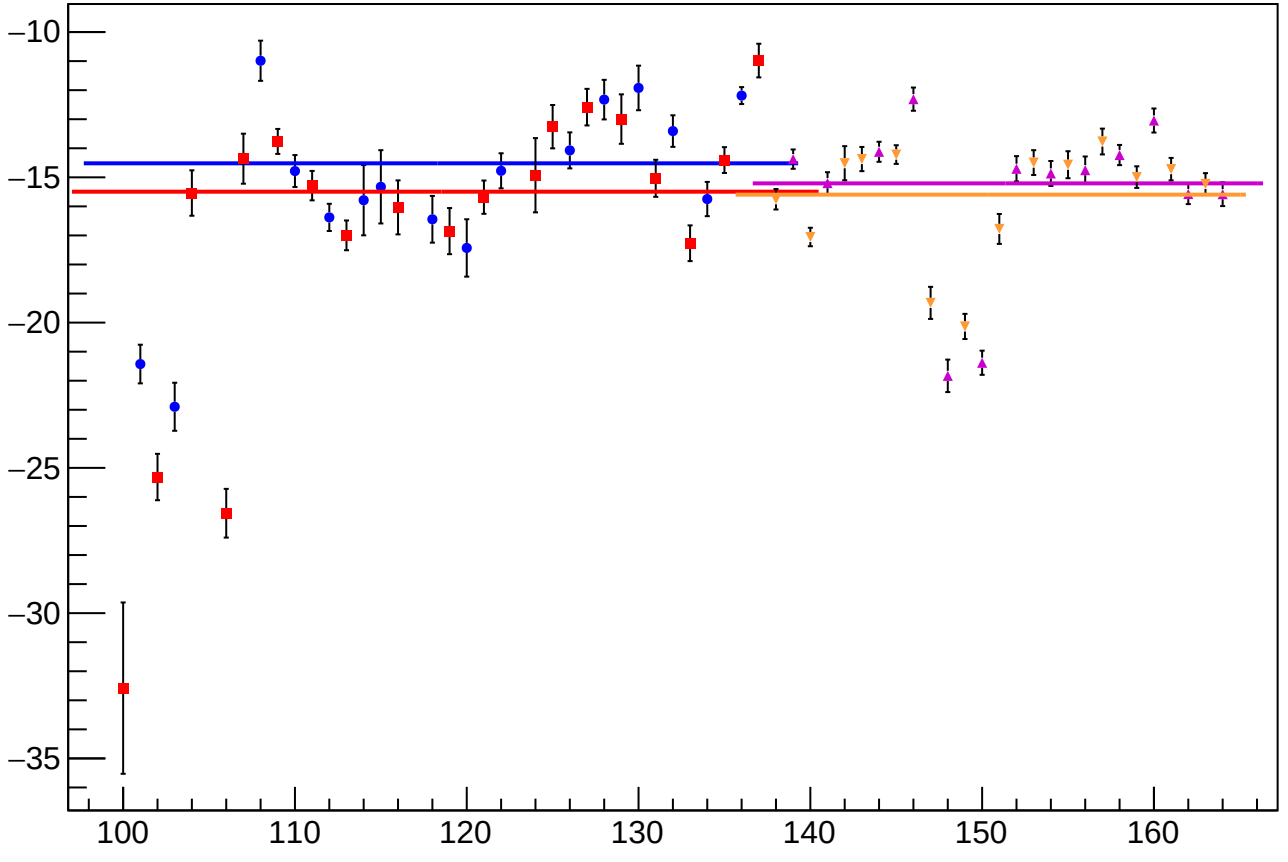
Left In: -0.482+/-0.011 χ^2/NDF:611.4/12

+ sign -0.459+/-0.010 χ^2/NDF: 1000.0/29

All: -0.485+/-0.007 χ^2/NDF: 2343.6/61

- 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: -15.596+/-0.108 χ^2/NDF:249.4/13

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

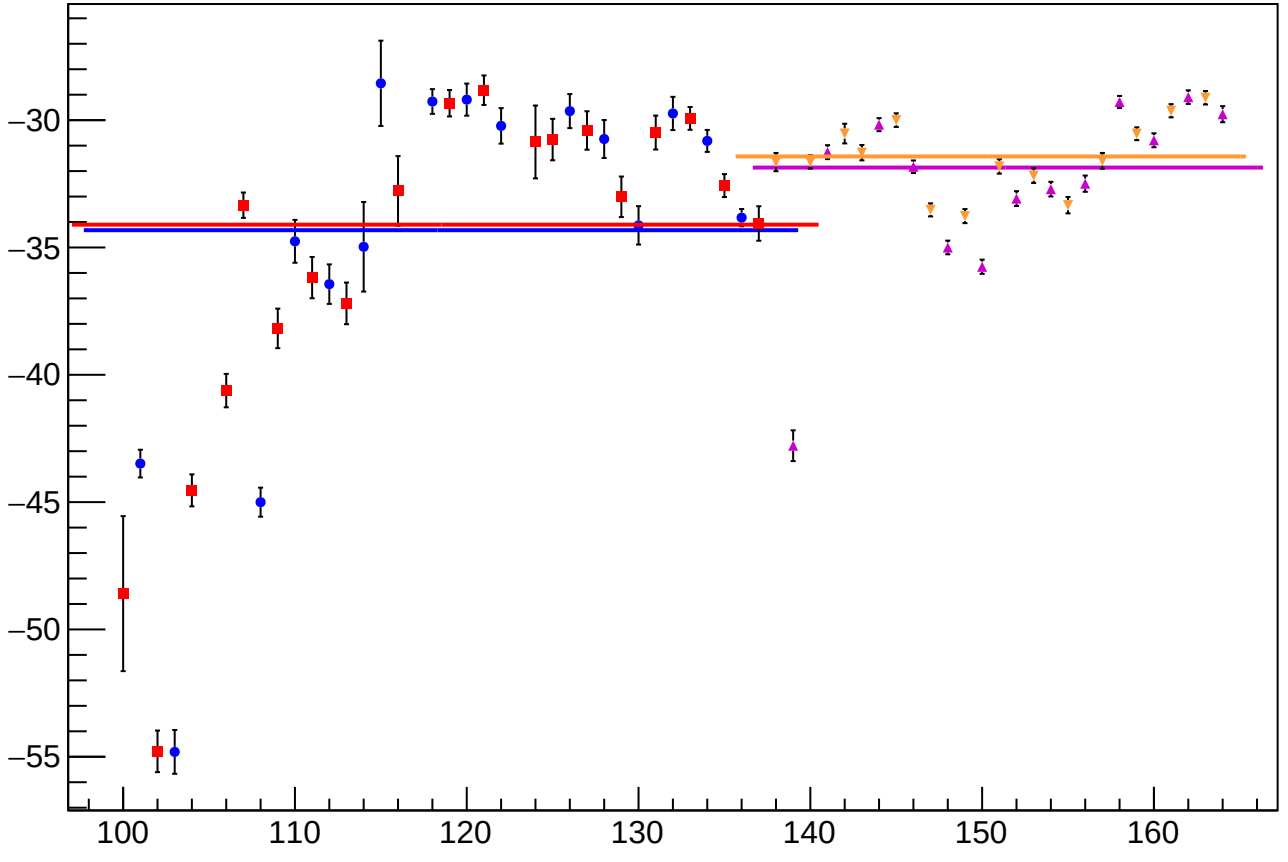
Left In: -15.208+/-0.109 χ^2/NDF:469.7/12

+ sign -15.224+/-0.088 χ^2/NDF: 646.8/29

All: -15.265+/-0.062 χ^2/NDF: 1623.2/61

- 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: -31.426+/-0.077 χ^2/NDF:353.0/13

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

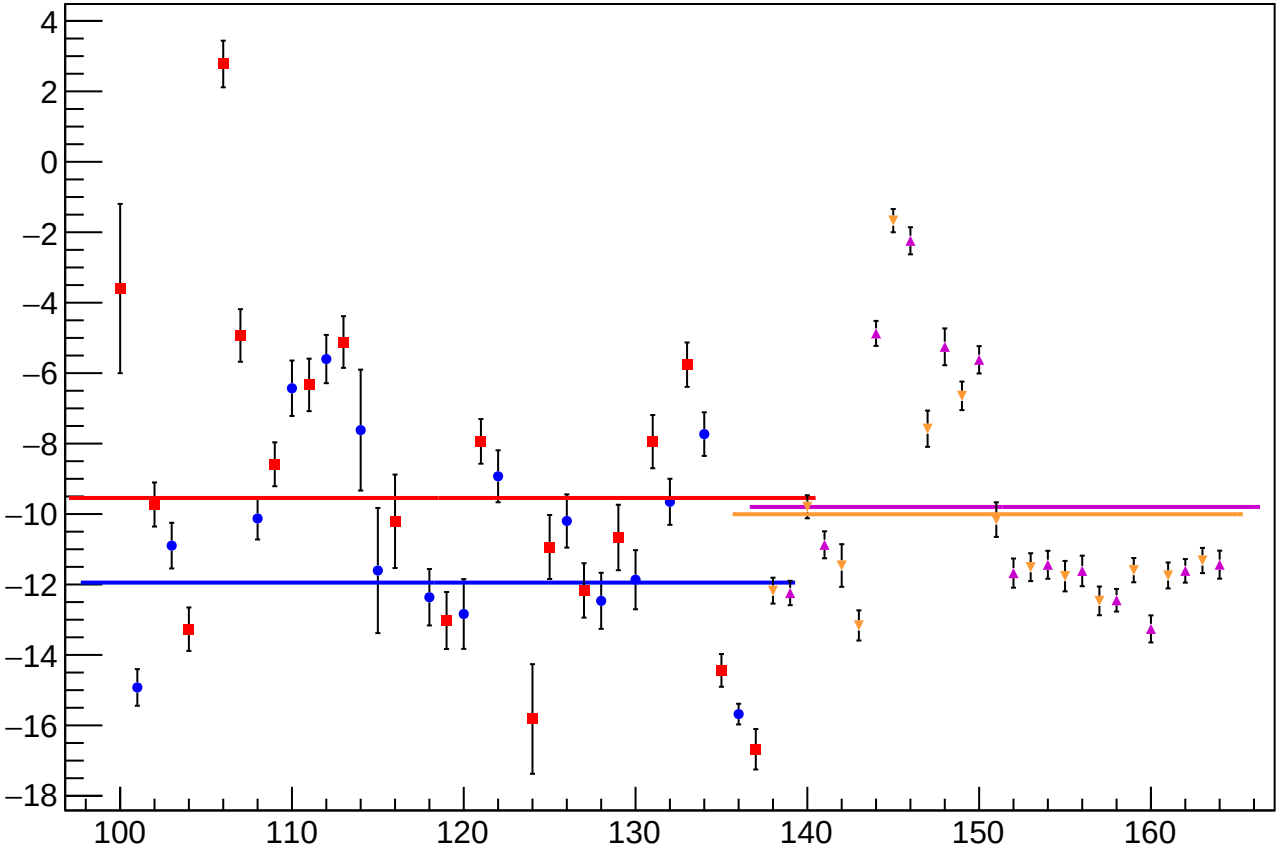
Left In: -31.861+/-0.078 χ^2/NDF:1019.8/12

+ sign -32.004+/-0.068 χ^2/NDF: 2259.0/29

All: -32.159+/-0.049 χ^2/NDF: 4892.4/61

- 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: -10.005+/-0.106 χ^2/NDF:948.8/13

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

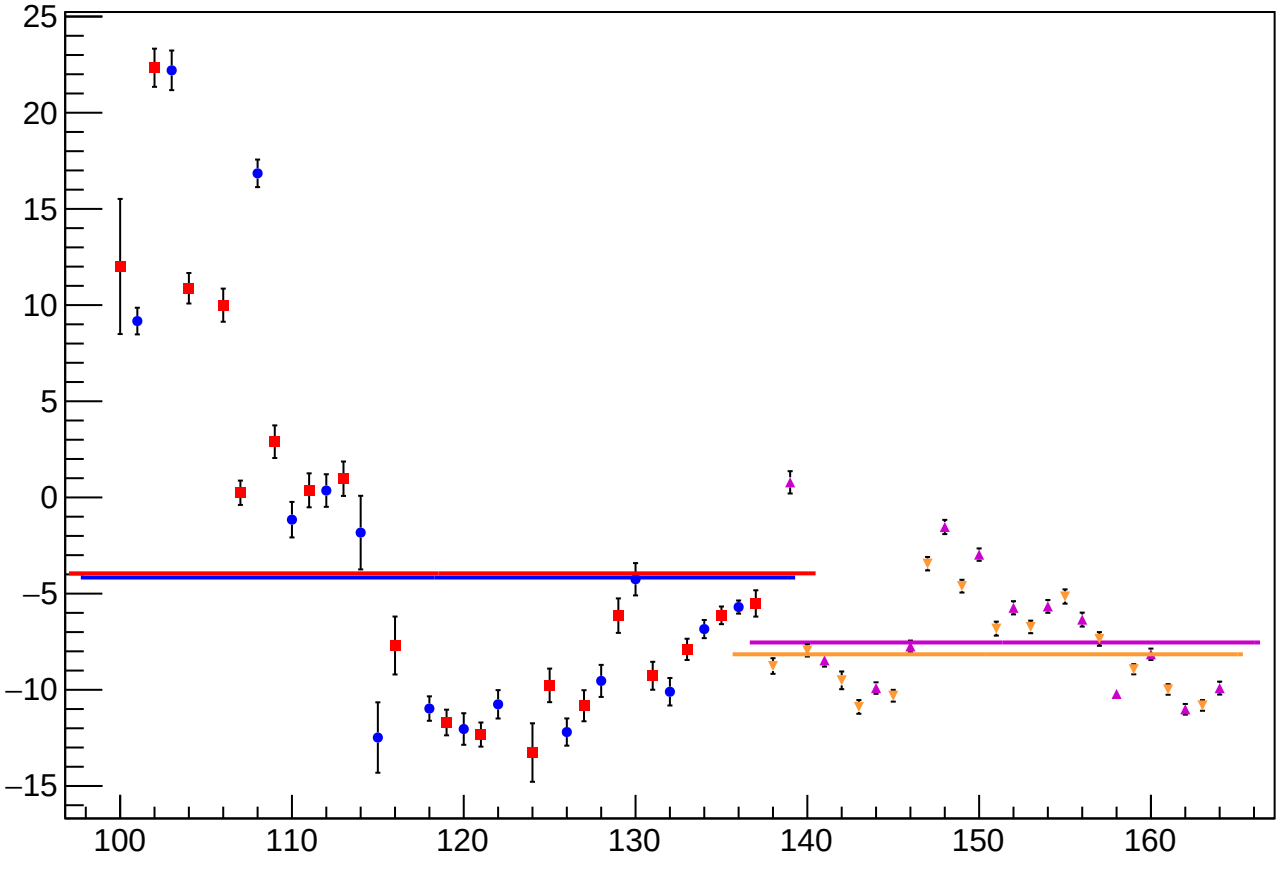
Left In: -9.798+/-0.106 χ^2/NDF:1077.7/12

+ sign -10.594+/-0.088 χ^2/NDF: 1481.1/29

All: -10.164+/-0.063 χ^2/NDF: 3455.8/61

- 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: -8.154+/-0.088 χ^2/NDF:660.1/13

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

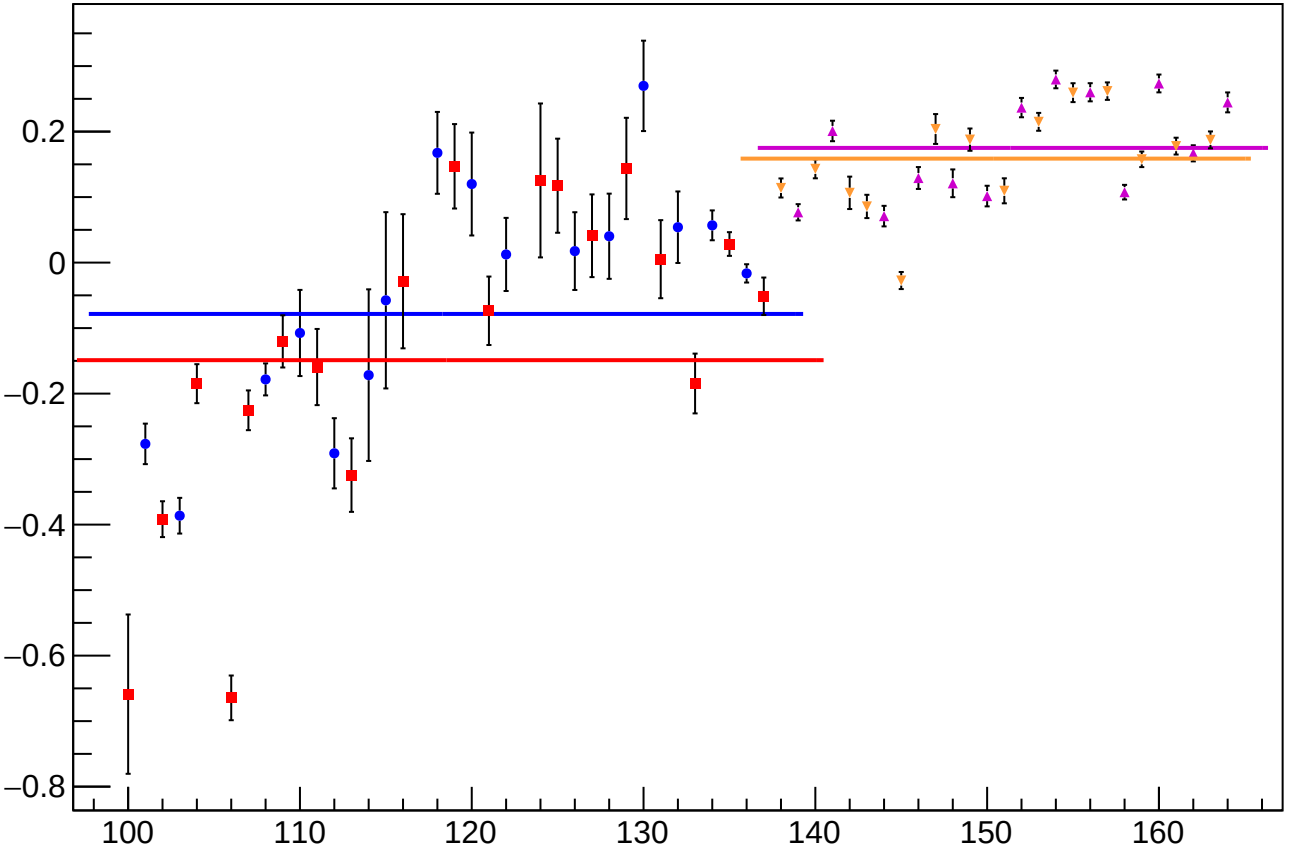
Left In: -7.540+/-0.089 χ^2/NDF:1135.9/12

+ sign -7.324+/-0.078 χ^2/NDF: 3611.8/29

All: -7.068+/-0.056 χ^2/NDF: 7210.9/61

- 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:381.7/13

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

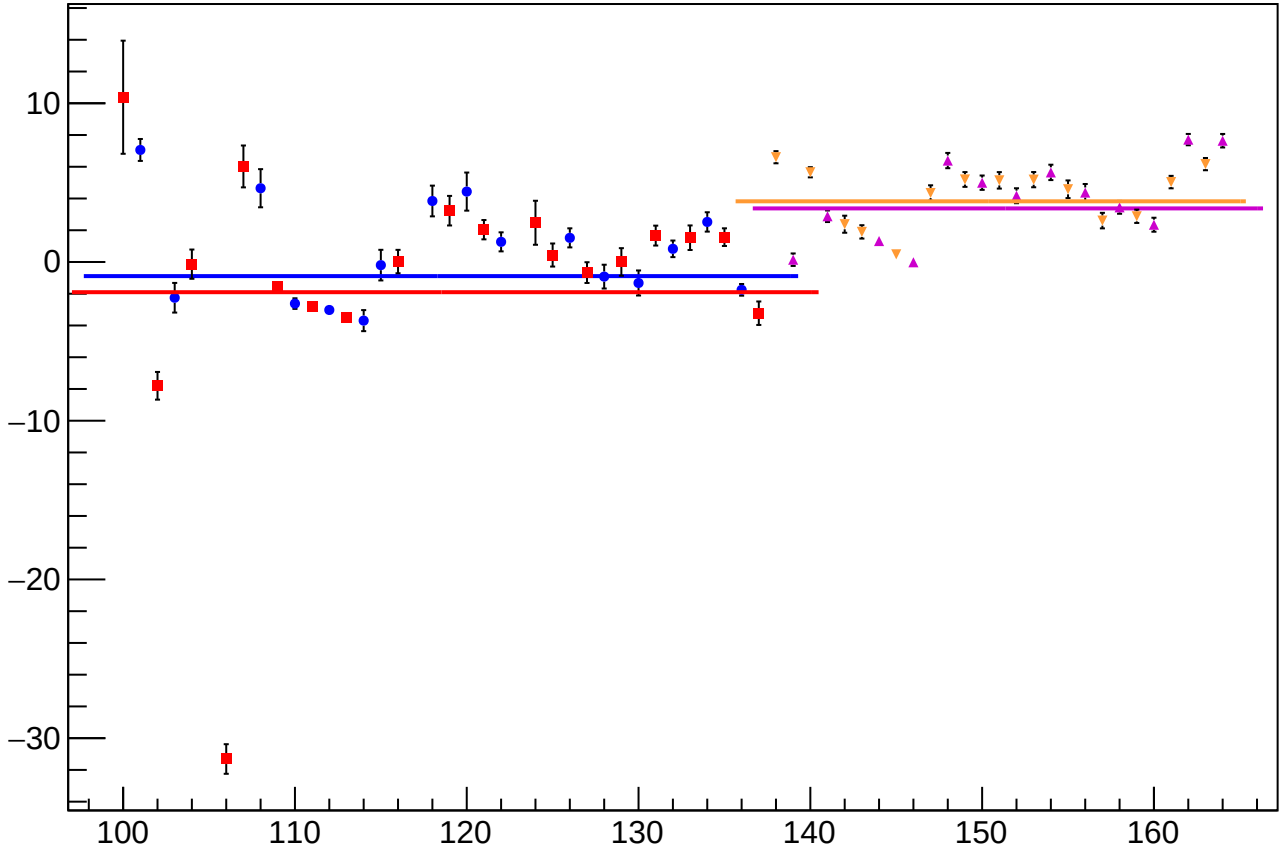
Left In: 0.175+/-0.004 χ^2/NDF:370.5/12

+ sign 0.117+/-0.004 χ^2/NDF: 1330.5/29

All: 0.120+/-0.003 χ^2/NDF: 3299.7/61

- 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: 3.823+/-0.108 χ^2/NDF:383.5/13

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

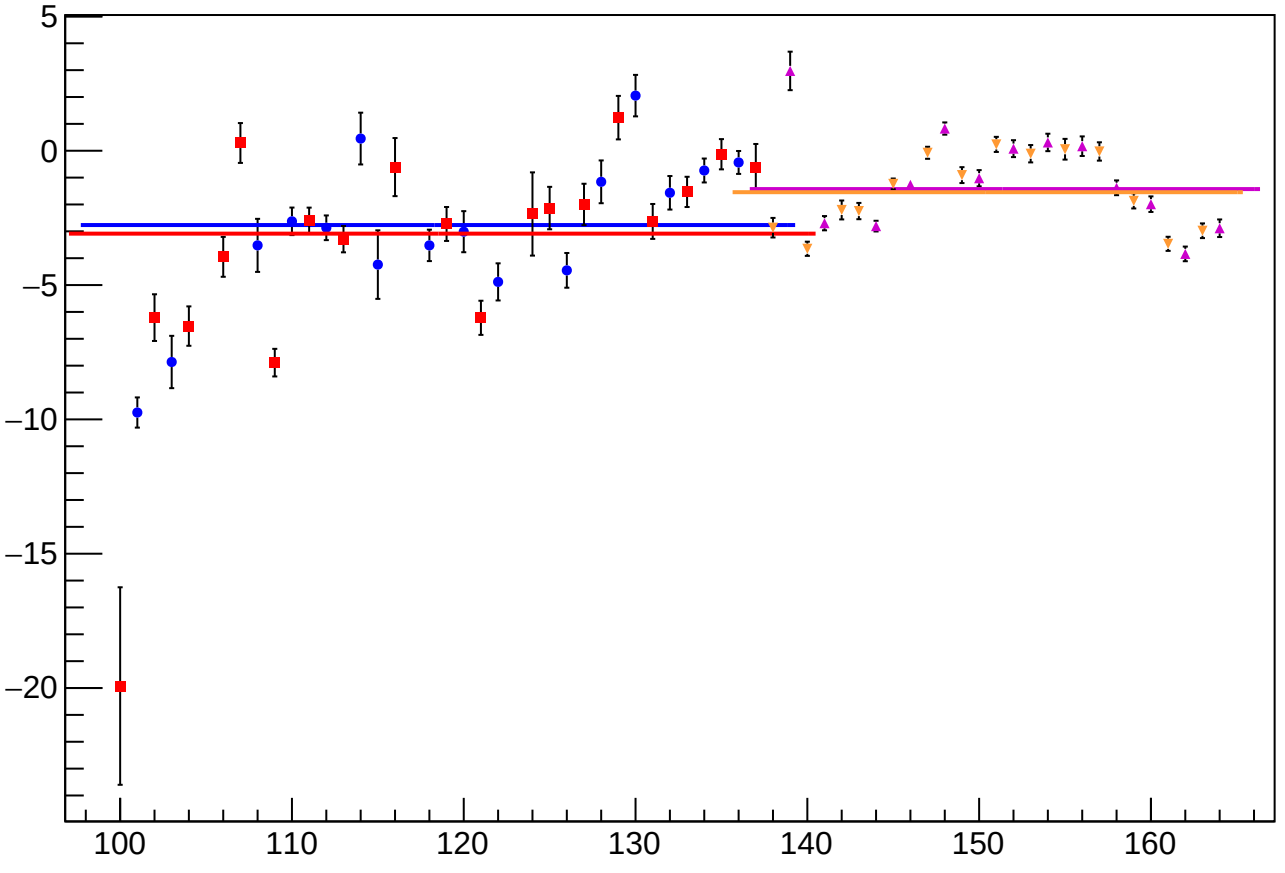
Left In: 3.375+/-0.109 χ^2/NDF:586.7/12

+ sign 2.007+/-0.085 χ^2/NDF: 1495.0/29

All: 1.580+/-0.059 χ^2/NDF: 4448.2/61

- sign 1.172+/-0.083 χ^2/NDF: 2903.7/31

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.543+/-0.076 χ^2/NDF:314.2/13

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

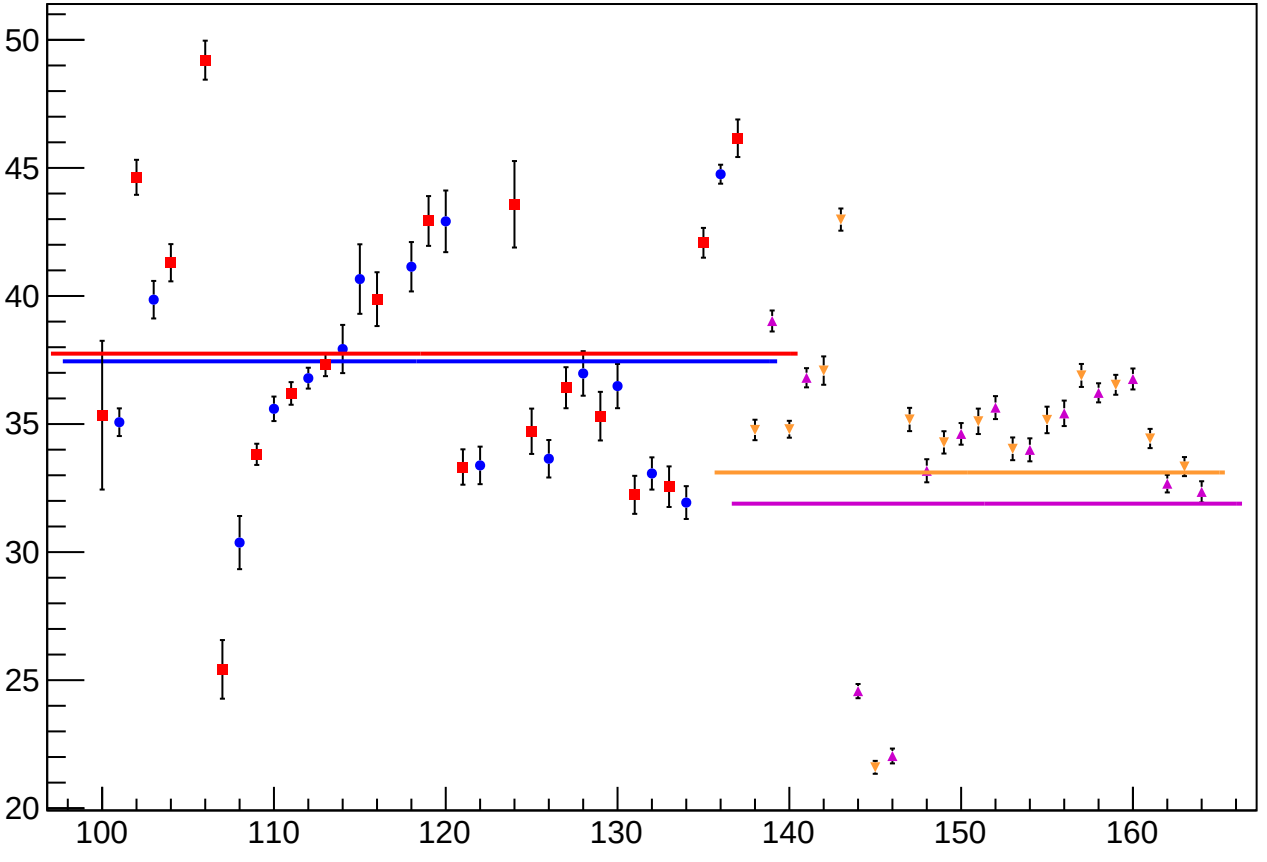
Left In: -1.427+/-0.075 χ^2/NDF:381.1/12

+ sign -1.775+/-0.068 χ^2/NDF: 673.9/29

All: -1.754+/-0.048 χ^2/NDF: 1418.1/61

- sign -1.733+/-0.068 χ^2/NDF: 744.1/31

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 33.109+/-0.106 χ^2/NDF:2920.3/13

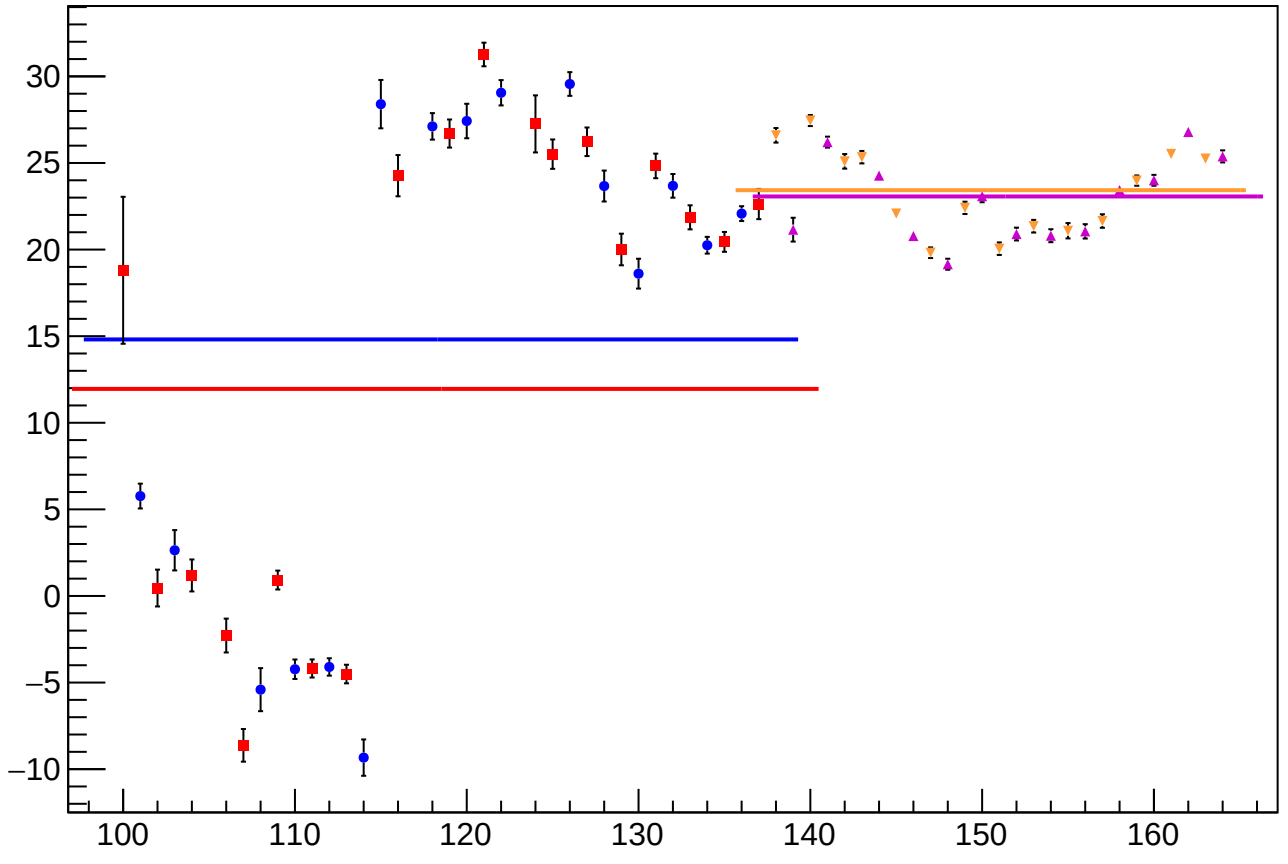
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.892+/-0.105 χ^2/NDF:2797.0/12

+ sign 34.429+/-0.089 χ^2/NDF: 4134.6/29

All: 34.049+/-0.062 χ^2/NDF: 8870.5/61

- sign 33.675+/-0.088 χ^2/NDF: 4699.5/31



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.428+/-0.088 χ^2/NDF:707.5/13

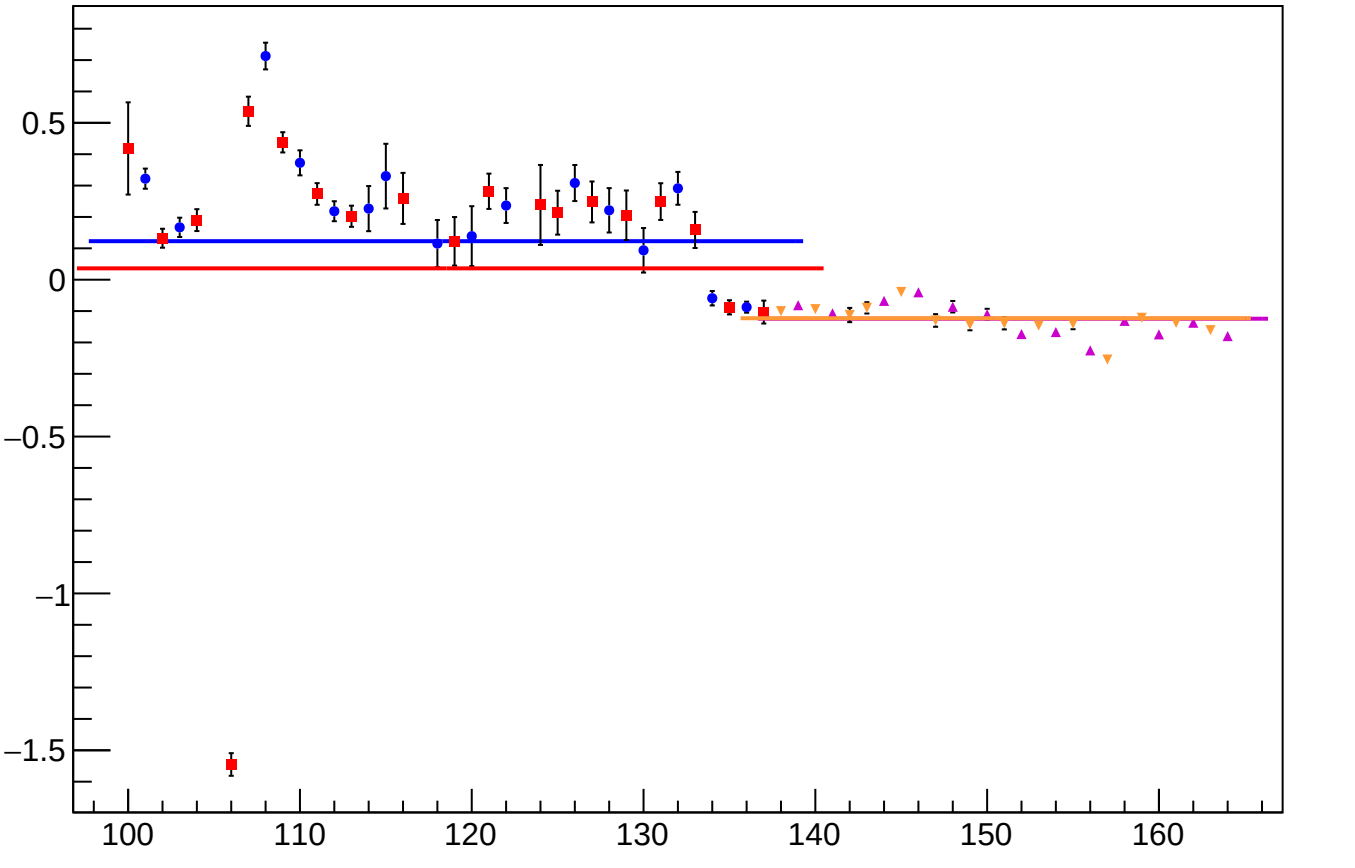
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.067+/-0.087 χ^2/NDF:710.8/12

+ sign 21.672+/-0.079 χ^2/NDF: 8348.8/29

All: 21.282+/-0.055 χ^2/NDF: 18391.4/61

- sign 20.895+/-0.078 χ^2/NDF: 9993.3/31



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.004 χ^2/NDF:174.5/13

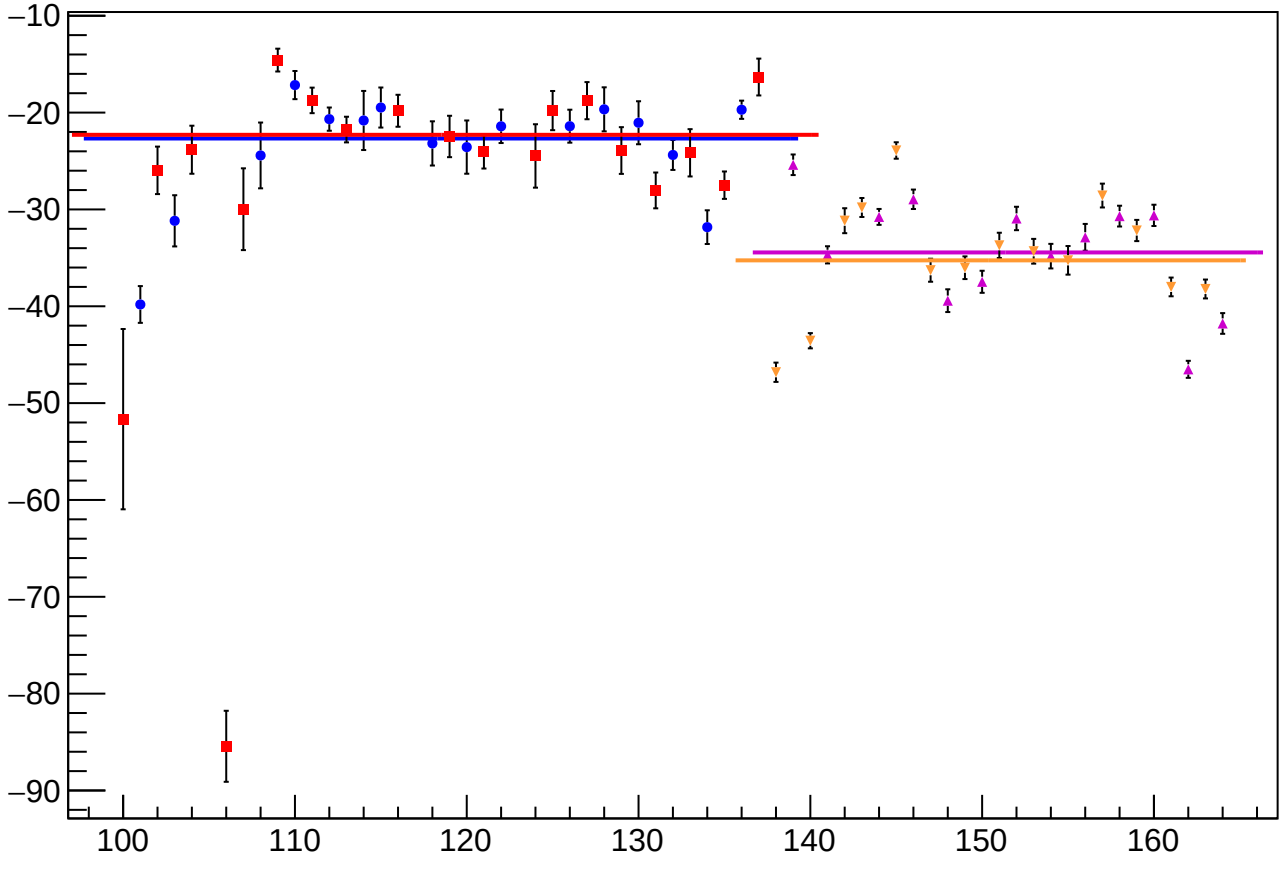
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.124+/-0.004 χ^2/NDF:164.7/12

+ sign -0.084+/-0.004 χ^2/NDF: 1269.0/29

All: -0.093+/-0.003 χ^2/NDF: 4088.7/61

- 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: -35.259+/-0.284 χ^2/NDF:523.3/13

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

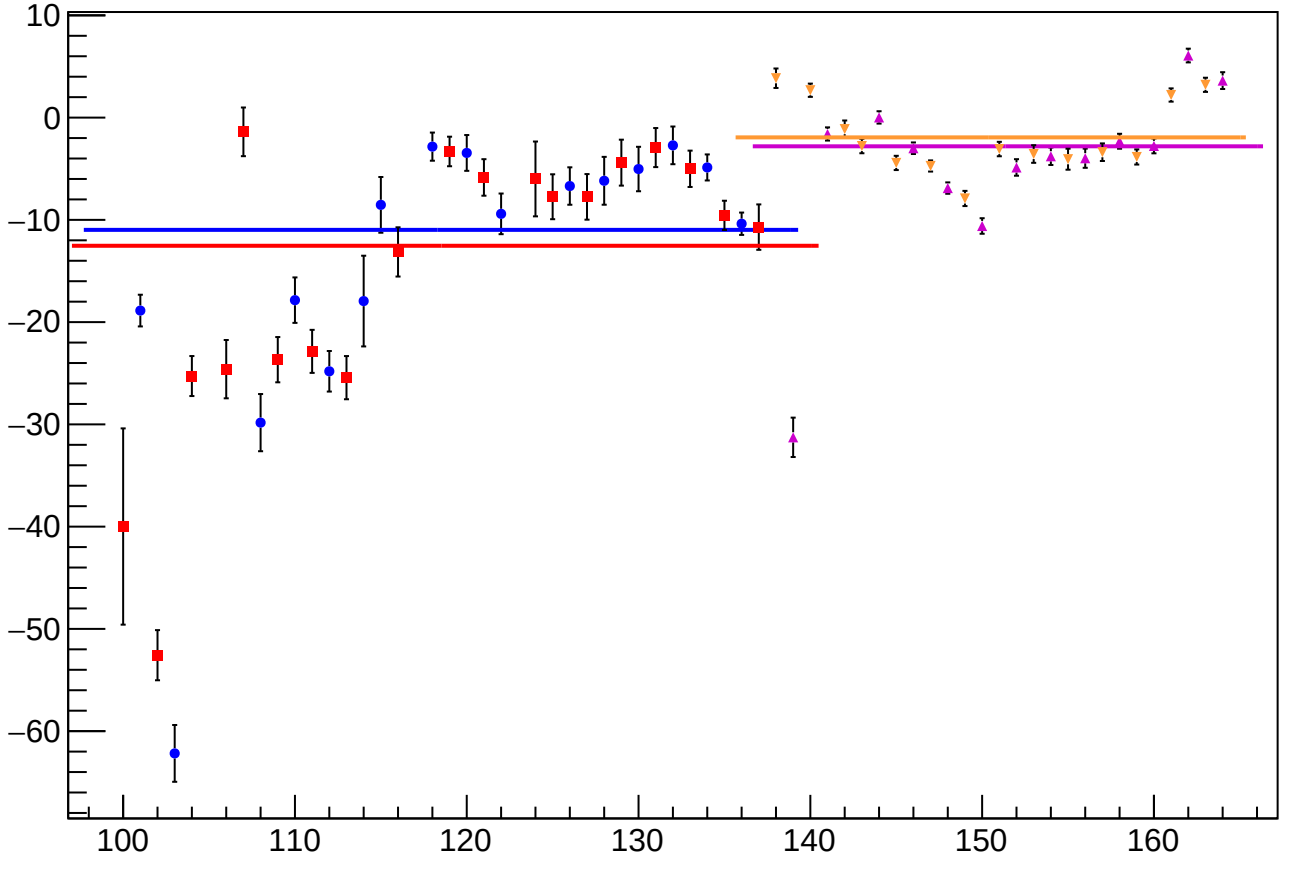
Left In: -34.441+/-0.291 χ^2/NDF:417.5/12

+ sign -31.485+/-0.238 χ^2/NDF: 1265.0/29

All: -31.095+/-0.170 χ^2/NDF: 2632.0/61

- 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: -1.934+/-0.196 χ^2/NDF:309.5/13

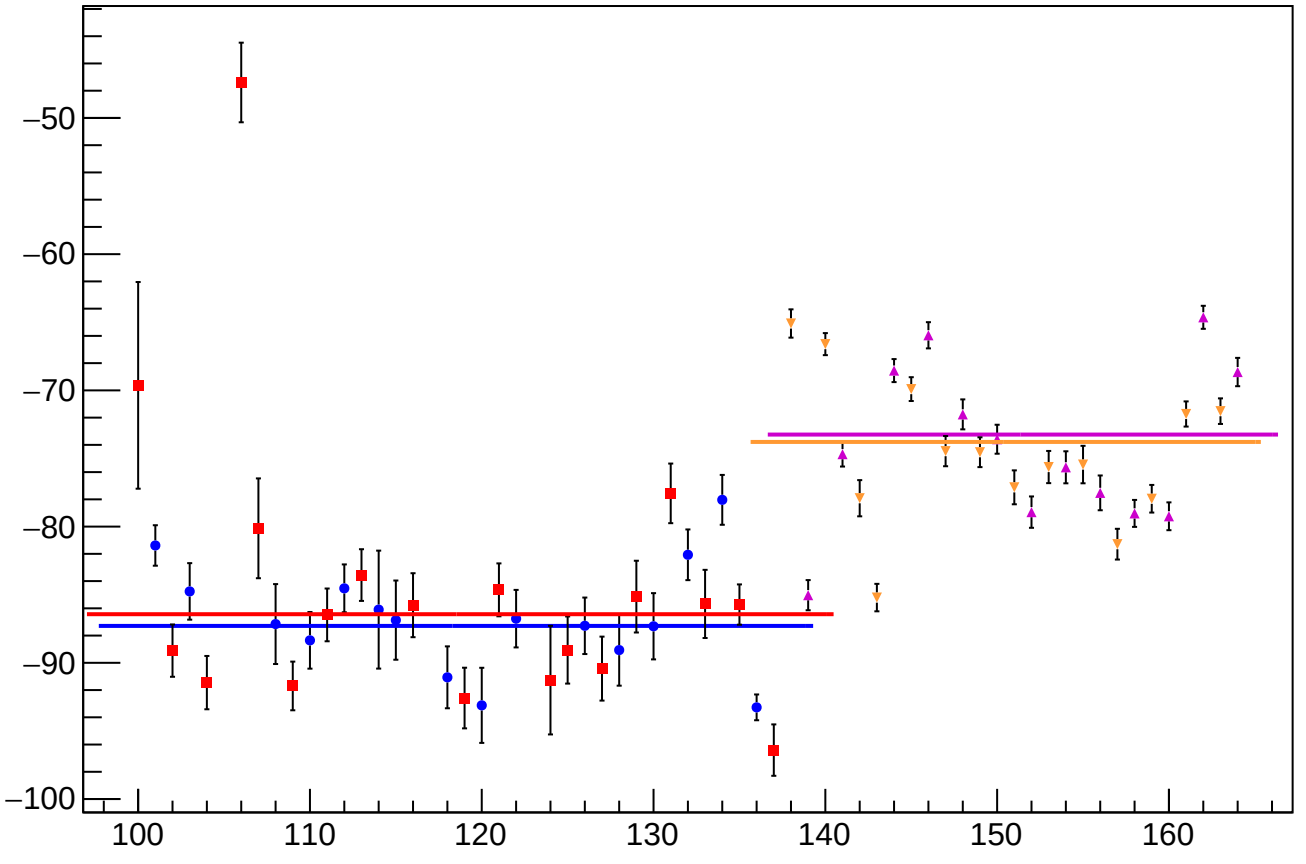
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.807+/-0.200 χ^2/NDF:648.6/12

+ sign -3.356+/-0.180 χ^2/NDF: 1232.2/29

All: -3.785+/-0.129 χ^2/NDF: 2813.5/61

- 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: -73.784+/-0.278 χ^2/NDF:390.4/13

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

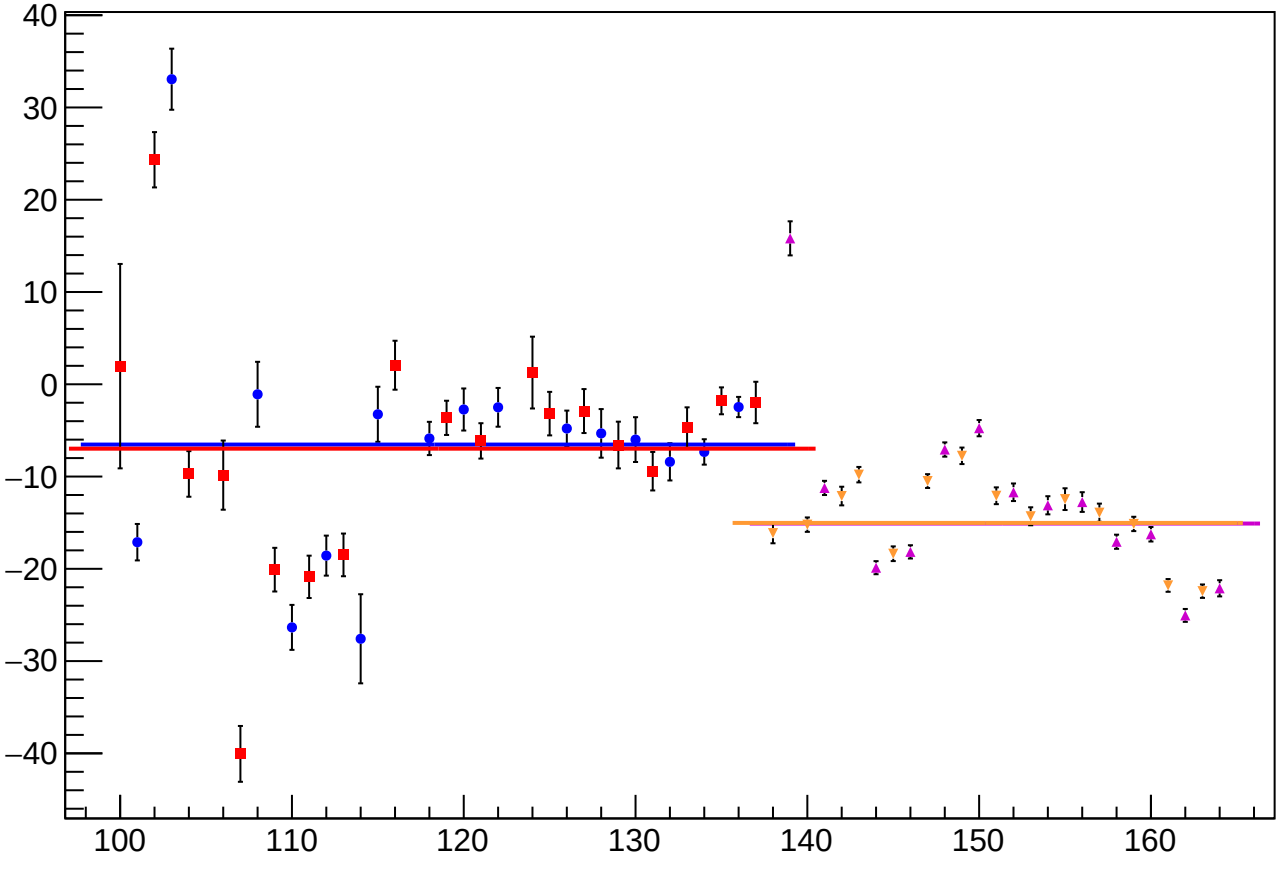
Left In: -73.244+/-0.282 χ^2/NDF:437.9/12

+ sign -77.176+/-0.241 χ^2/NDF: 1083.1/29

All: -76.778+/-0.172 χ^2/NDF: 2310.2/61

- 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: -15.026+/-0.229 χ^2/NDF:384.8/13

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

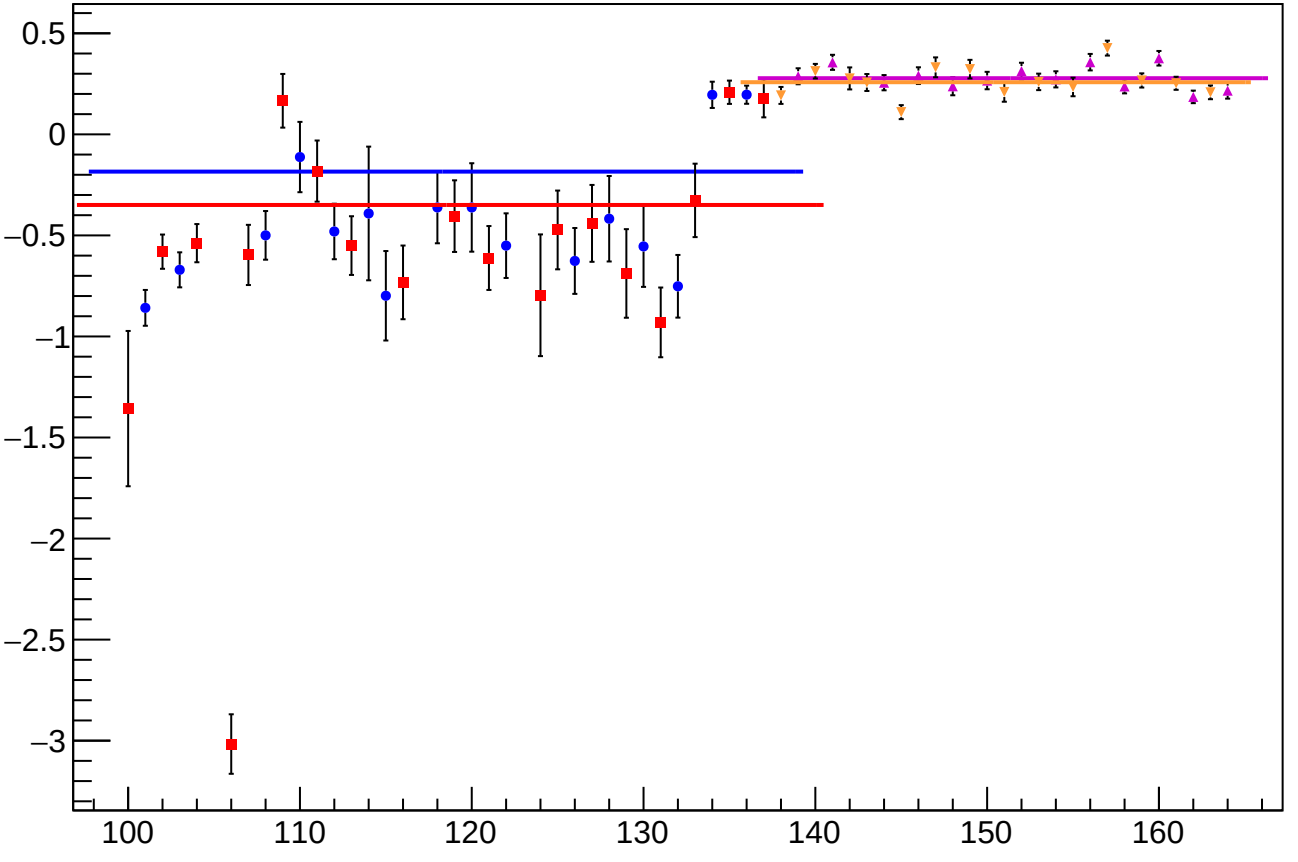
Left In: -15.093+/-0.232 χ^2/NDF:911.4/12

+ sign -13.594+/-0.209 χ^2/NDF: 931.1/29

All: -13.711+/-0.149 χ^2/NDF: 2401.1/61

- sign -13.834+/-0.213 χ^2/NDF: 1469.3/31

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.258+/-0.011 χ^2/NDF:51.7/13

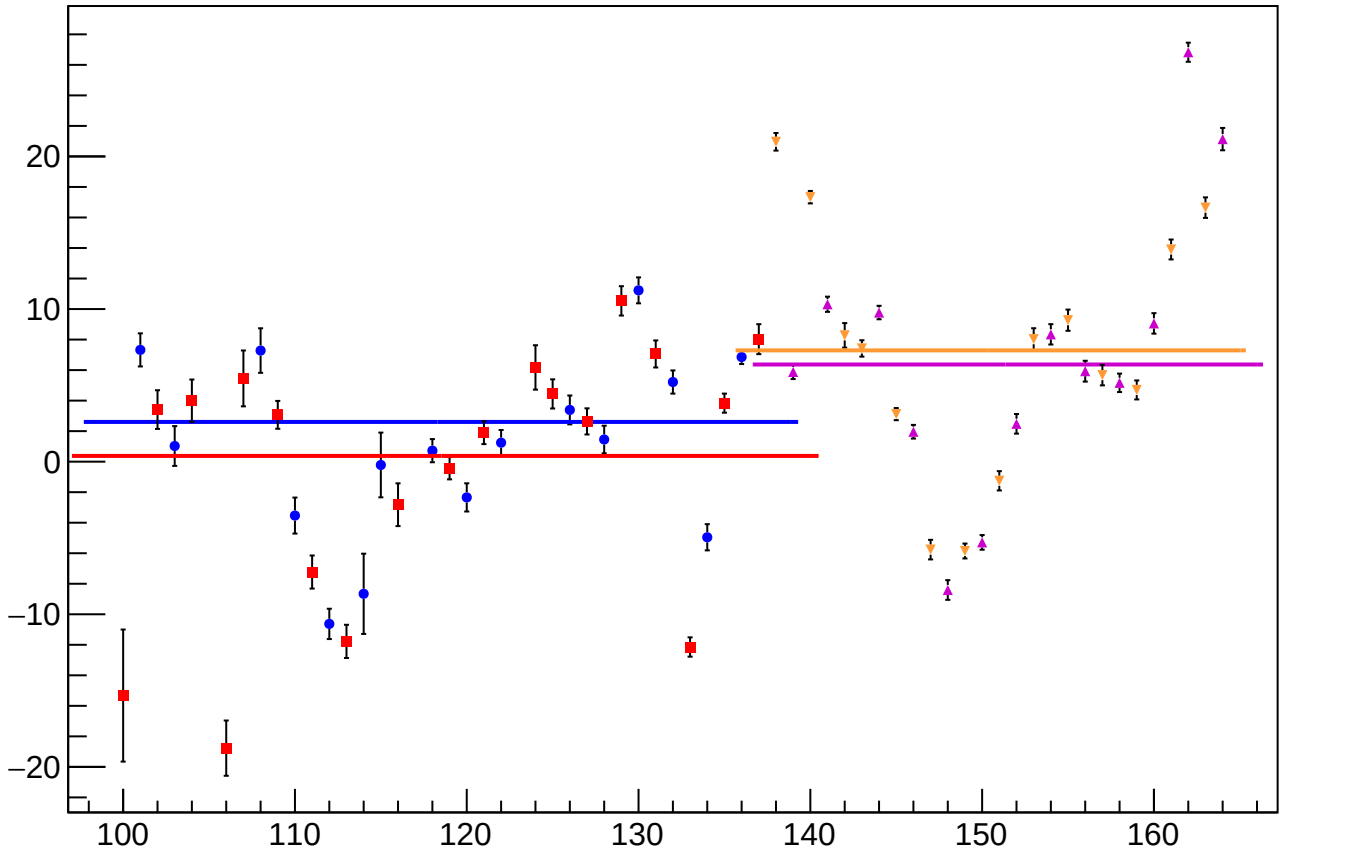
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.278+/-0.011 χ^2/NDF:30.5/12

+ sign 0.198+/-0.010 χ^2/NDF: 534.9/29

All: 0.201+/-0.007 χ^2/NDF: 1486.1/61

- 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: 7.293+/-0.153 χ^2/NDF:2928.8/13

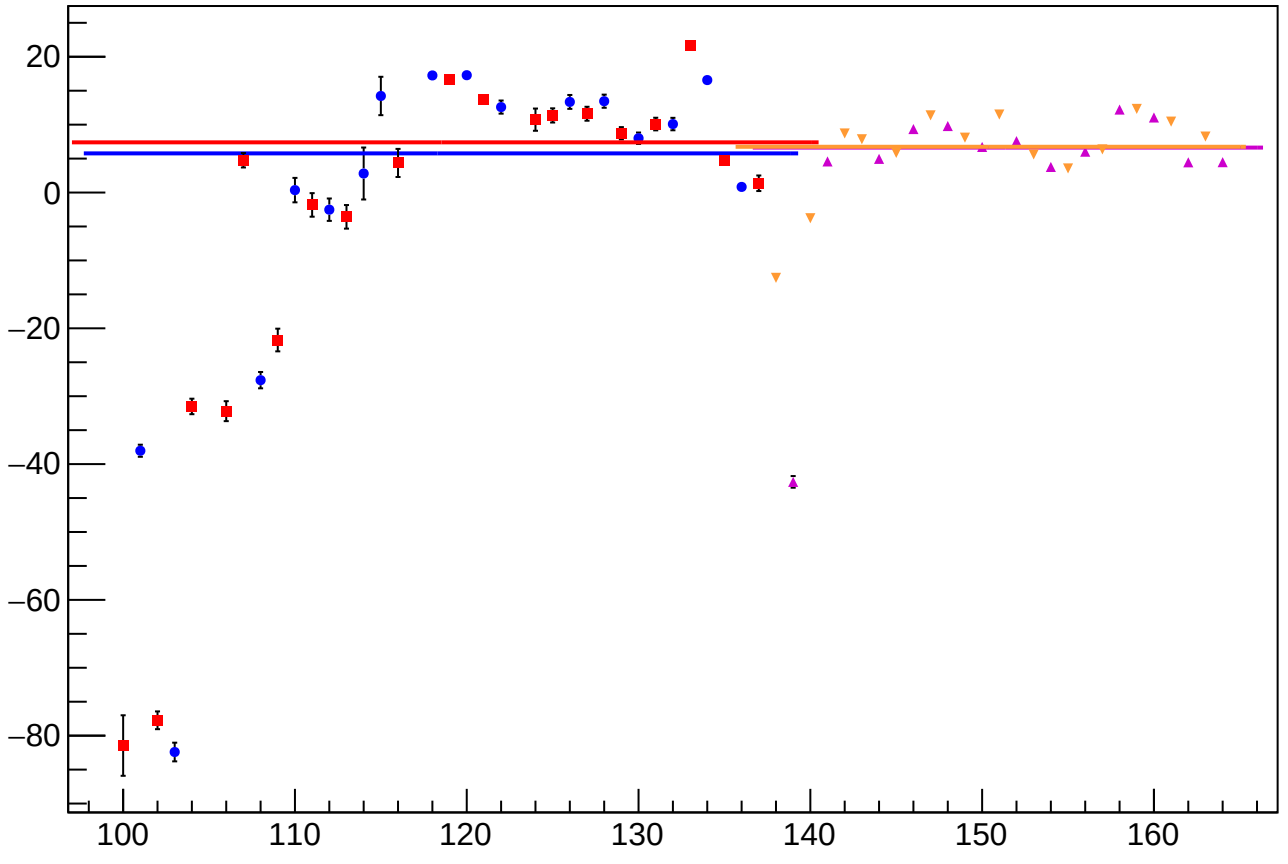
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 6.367+/-0.155 χ^2/NDF:2874.6/12

+ sign 5.805+/-0.126 χ^2/NDF: 3800.8/29

All: 5.111+/-0.090 χ^2/NDF: 8255.9/61

- sign 4.408+/-0.127 χ^2/NDF: 4394.4/31



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.741+/-0.106 χ^2/NDF:2820.0/13

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

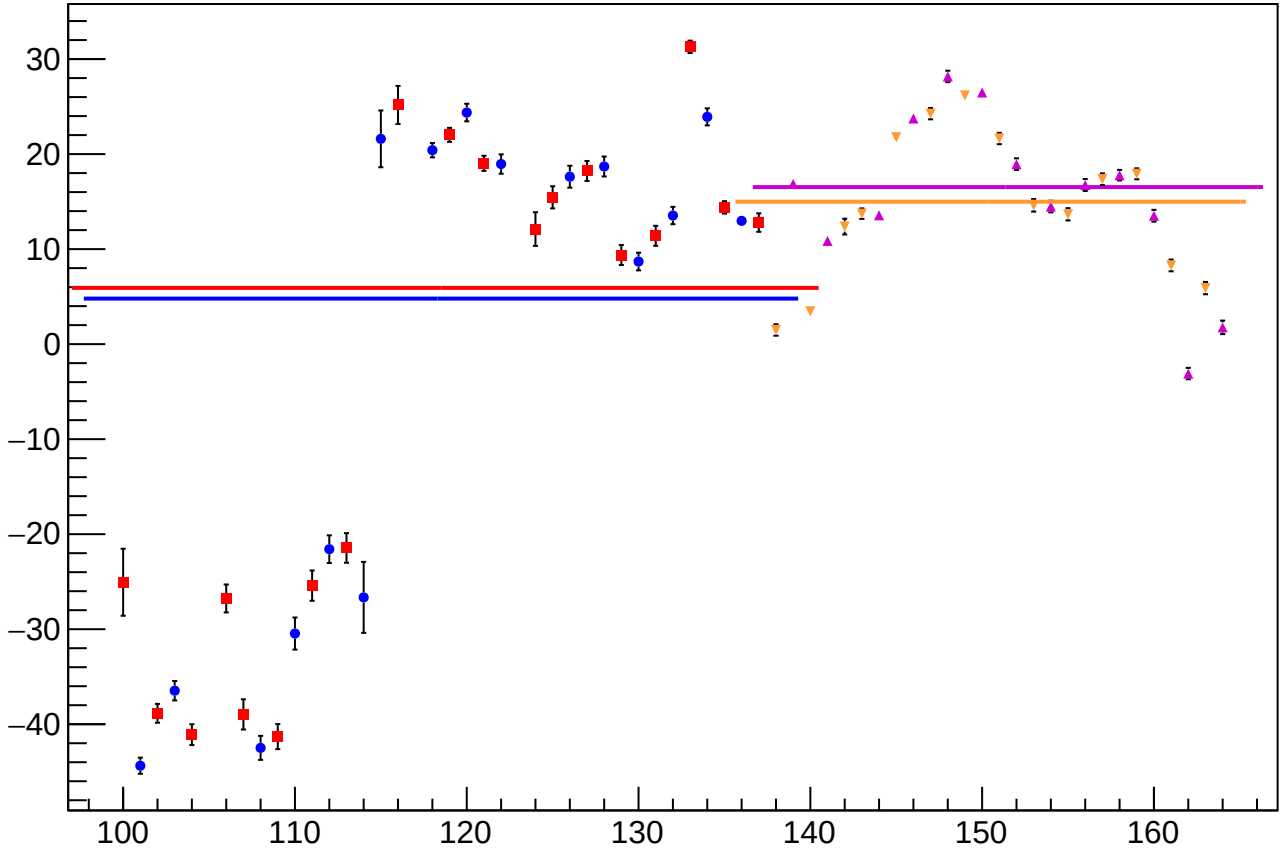
Left In: 6.620+/-0.109 χ^2/NDF:3916.2/12

+ sign 6.542+/-0.095 χ^2/NDF: 11771.0/29

All: 6.662+/-0.068 χ^2/NDF: 24091.8/61

- sign 6.785+/-0.096 χ^2/NDF: 12317.6/31

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.990+/-0.149 χ^2/NDF:2869.7/13

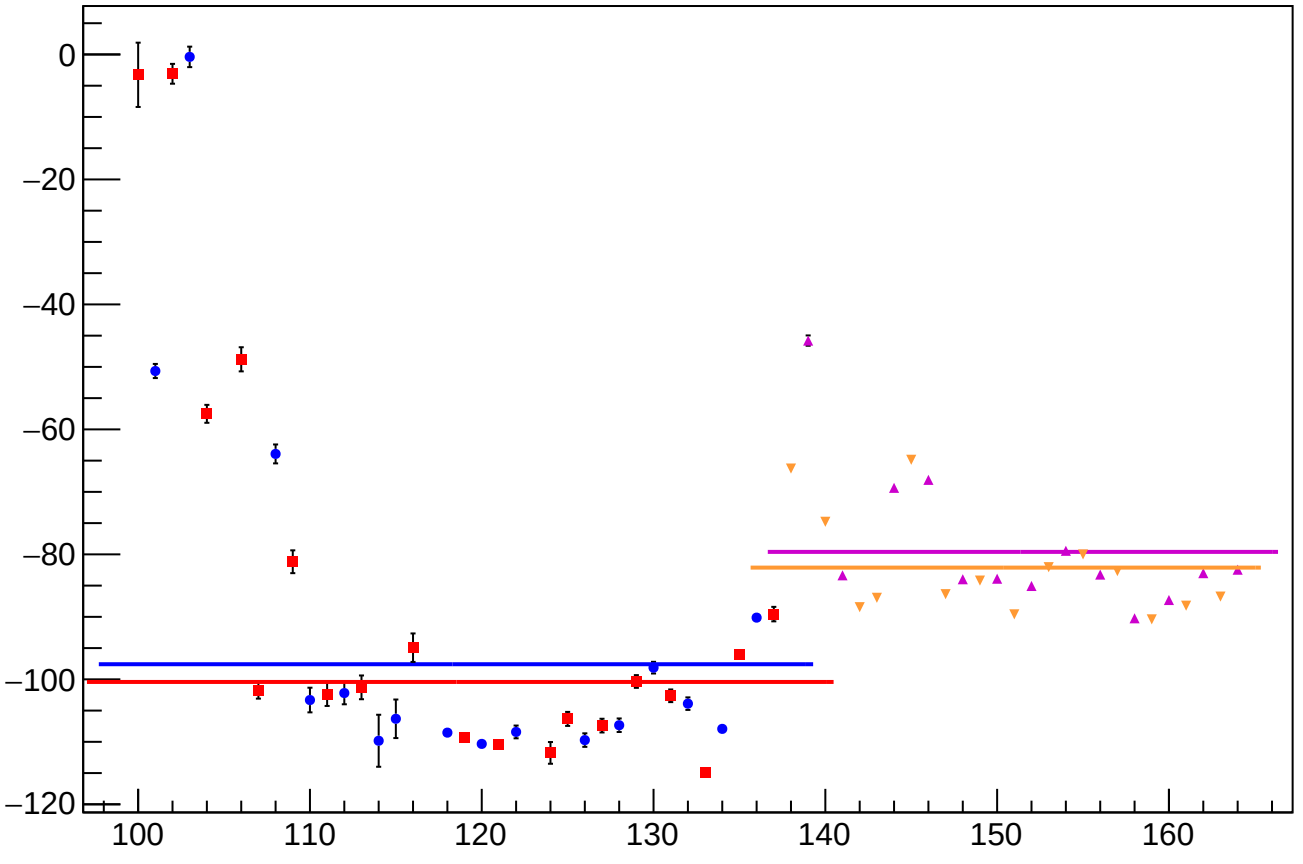
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.530+/-0.150 χ^2/NDF:2856.7/12

+ sign 12.098+/-0.126 χ^2/NDF: 13688.0/29

All: 12.814+/-0.090 χ^2/NDF: 28073.5/61

- 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: -82.119+/-0.125 χ^2/NDF:4225.9/13

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

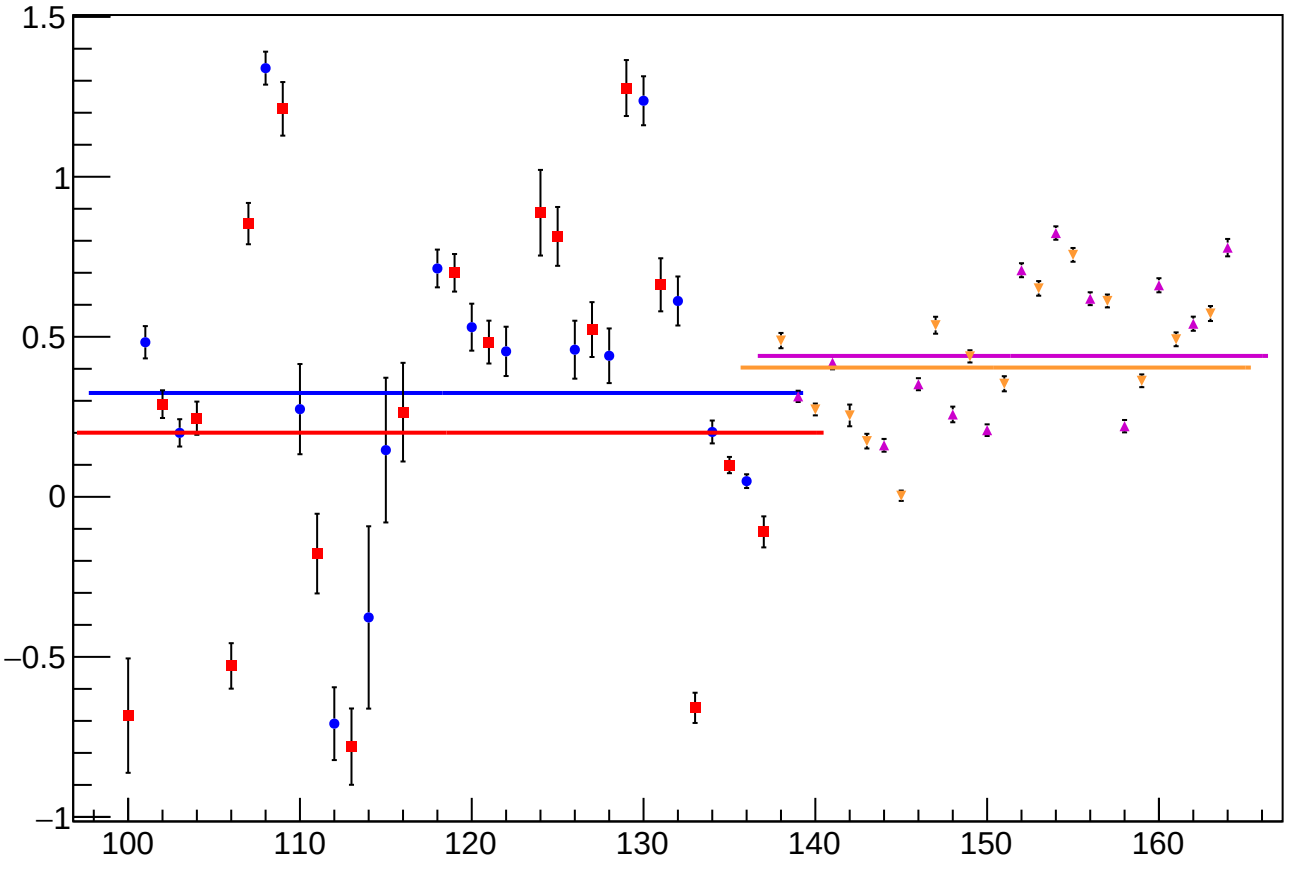
Left In: -79.604+/-0.126 χ^2/NDF:4952.1/12

+ sign -85.373+/-0.111 χ^2/NDF: 14601.5/29

All: -84.743+/-0.079 χ^2/NDF: 32583.3/61

- 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: 0.404+/-0.006 χ^2/NDF:1391.5/13

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

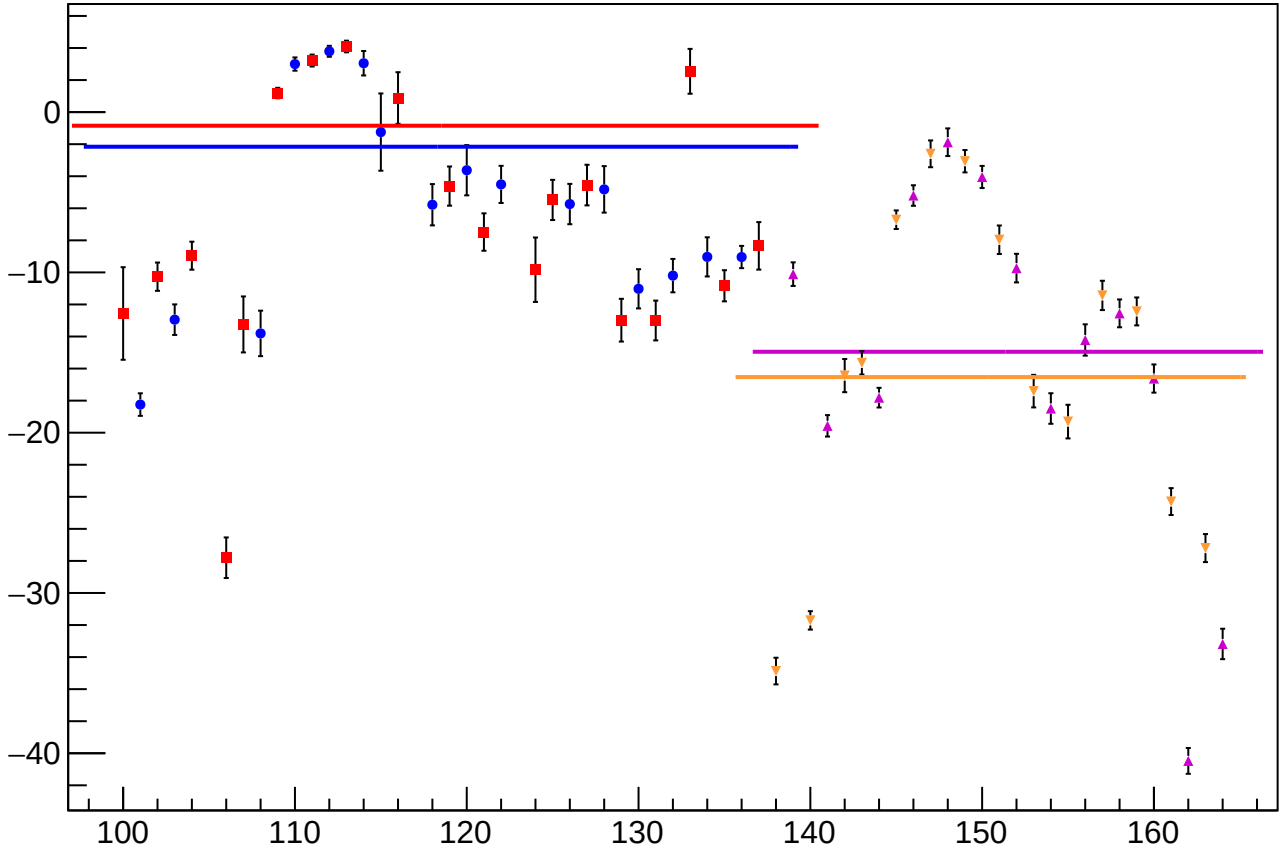
Left In: 0.440+/-0.006 χ^2/NDF:1456.0/12

+ sign 0.391+/-0.005 χ^2/NDF: 2308.1/29

All: 0.398+/-0.004 χ^2/NDF: 5230.1/61

- 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: -16.530+/-0.212 χ^2/NDF:2512.1/13

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

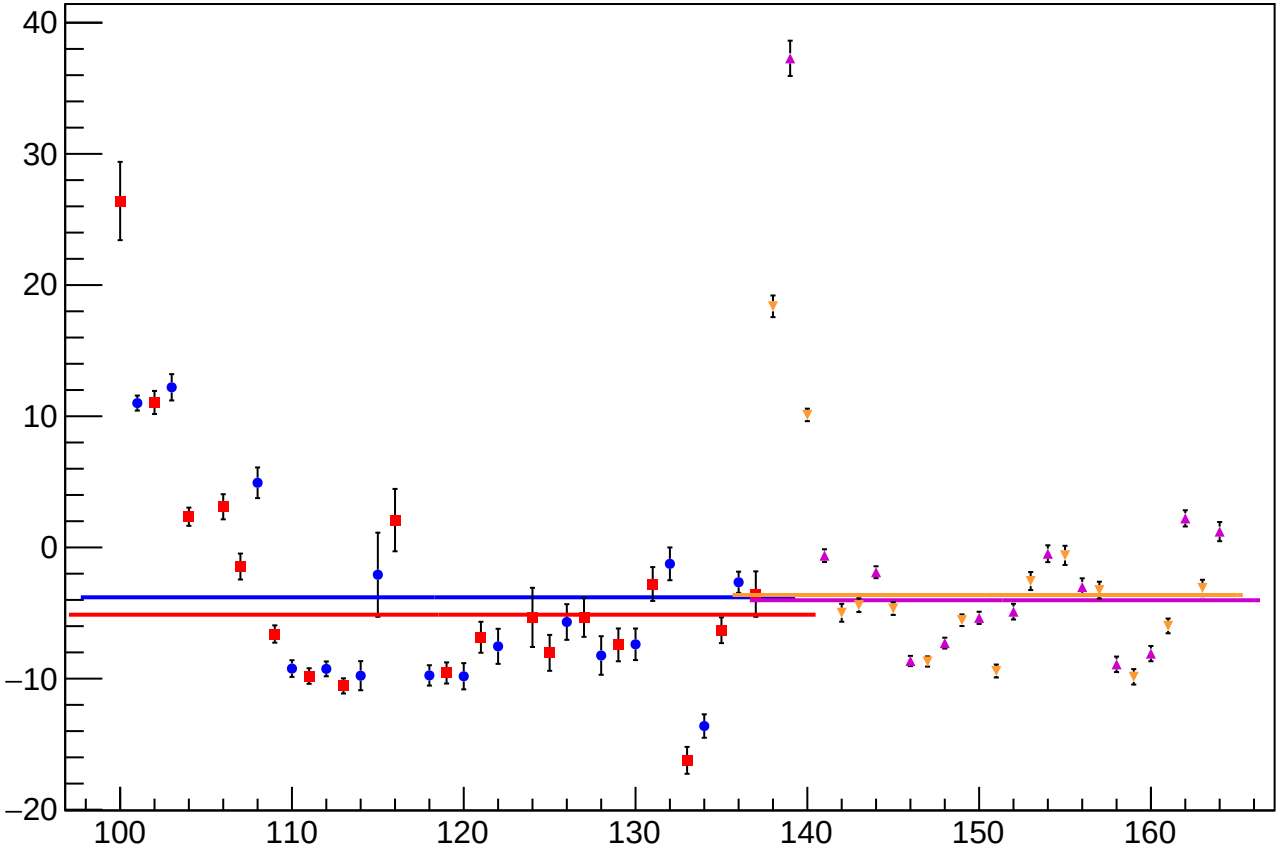
Left In: -14.952+/-0.217 χ^2/NDF:2256.1/12

+ sign -8.618+/-0.142 χ^2/NDF: 6521.6/29

All: -7.354+/-0.098 χ^2/NDF: 13008.7/61

- 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: -3.624+/-0.146 χ^2/NDF:2024.6/13

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

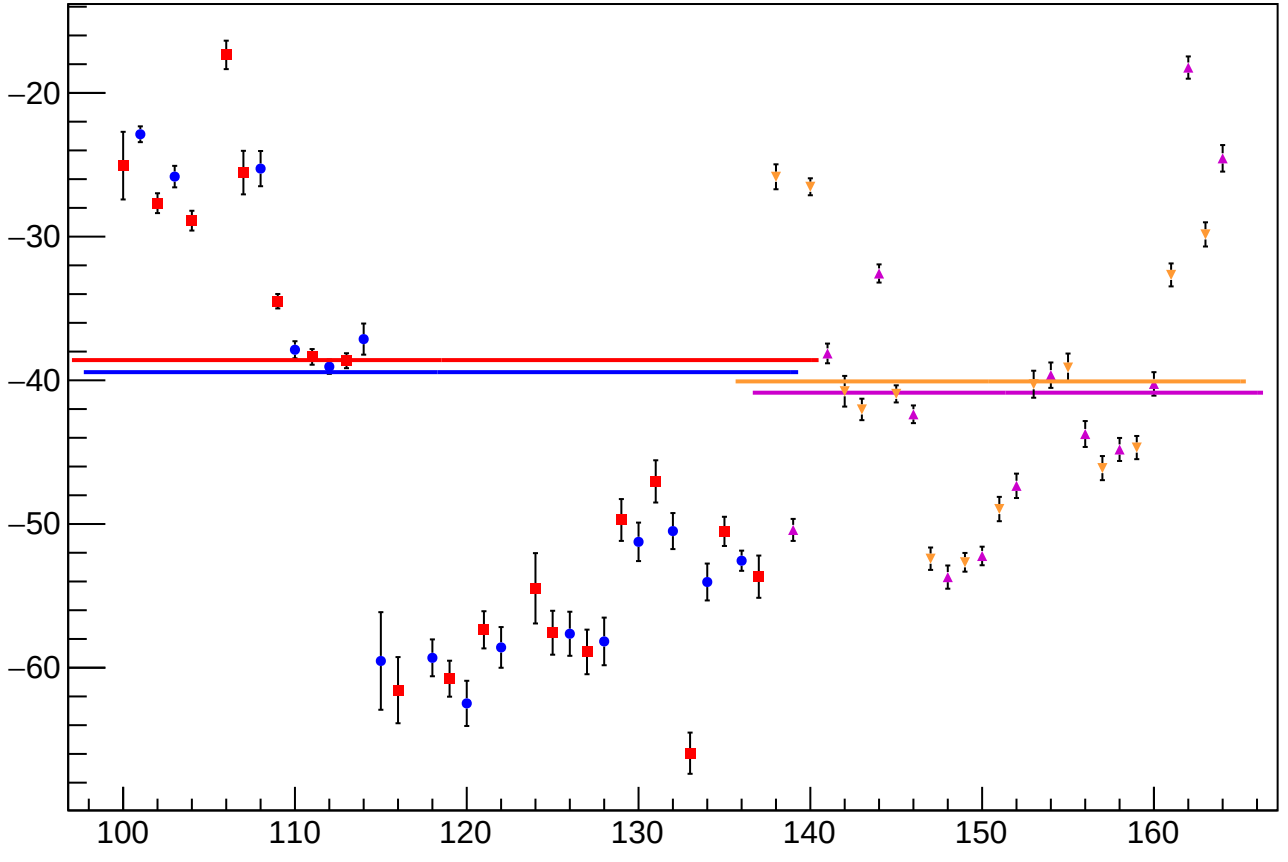
Left In: -4.025+/-0.150 χ^2/NDF:1531.2/12

+ sign -3.676+/-0.123 χ^2/NDF: 3450.5/29

All: -4.024+/-0.087 χ^2/NDF: 5995.7/61

- 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: -40.076+/-0.208 χ^2/NDF:1857.3/13

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

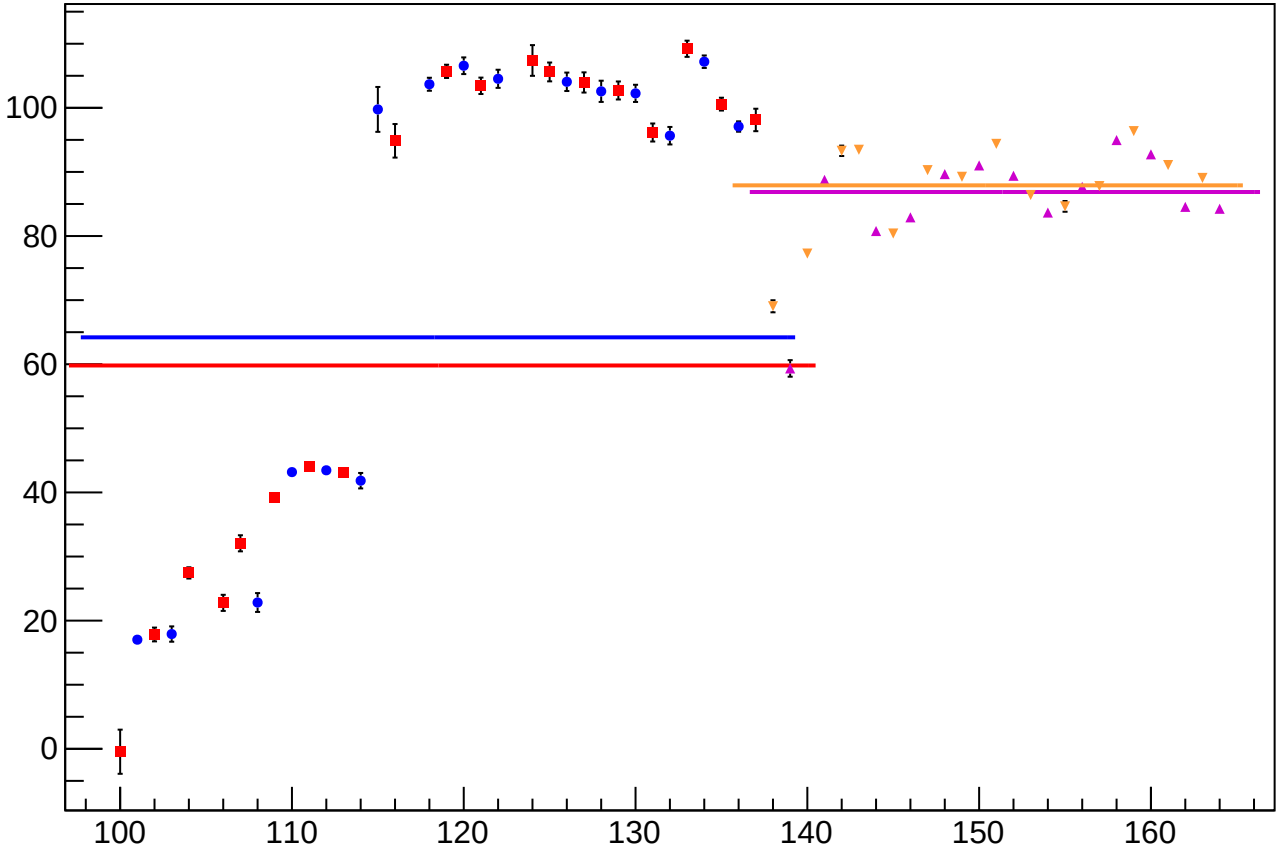
Left In: -40.861+/-0.210 χ^2/NDF:2171.0/12

+ sign -39.780+/-0.153 χ^2/NDF: 4819.8/29

All: -39.760+/-0.107 χ^2/NDF: 9820.6/61

- 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: 87.908+/-0.172 χ^2/NDF:1422.4/13

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

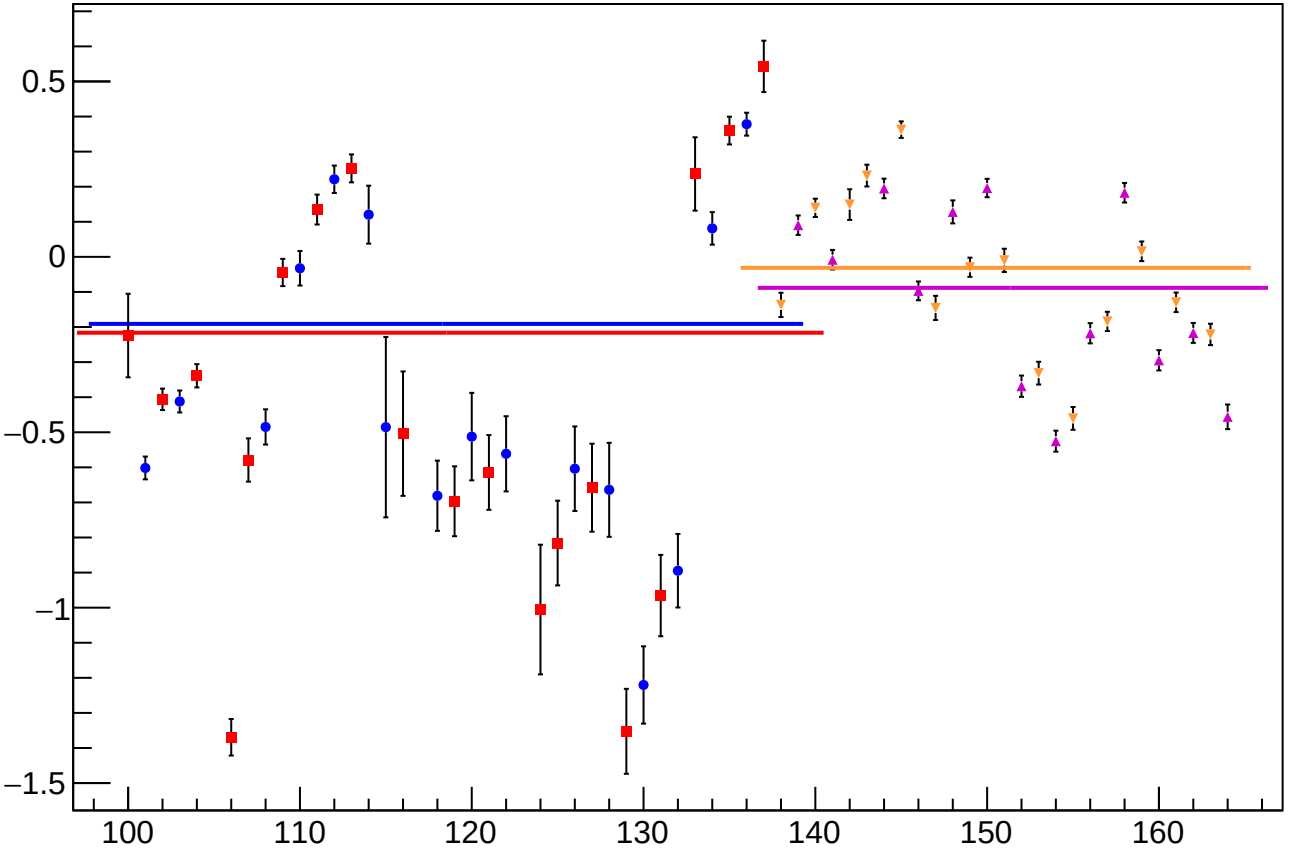
Left In: 86.869+/-0.175 χ^2/NDF:1060.5/12

+ sign 80.591+/-0.143 χ^2/NDF: 25881.7/29

All: 79.256+/-0.101 χ^2/NDF: 52472.0/61

- sign 77.921+/-0.143 χ^2/NDF: 26416.1/31

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.031+/-0.008 χ^2/NDF:777.2/13

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

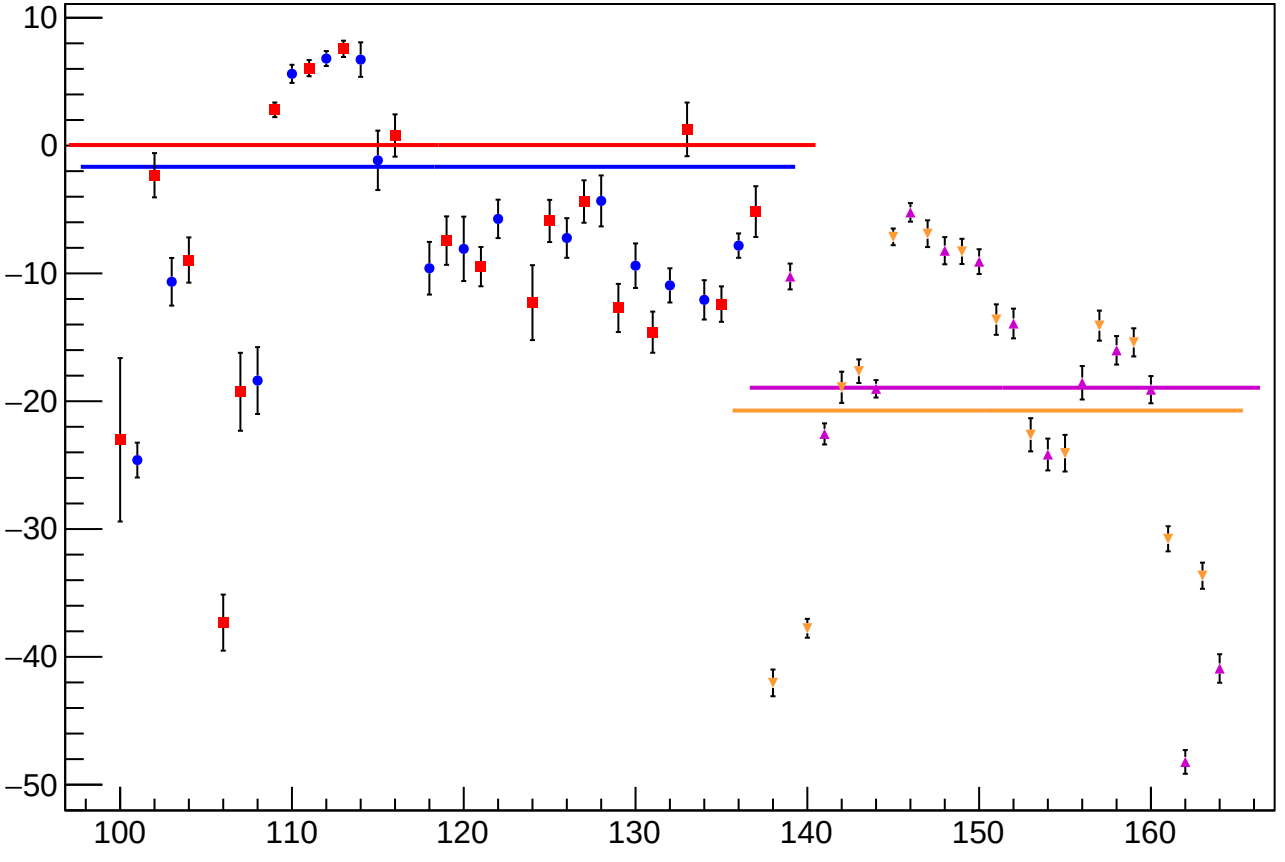
Left In: -0.088+/-0.008 χ^2/NDF:908.4/12

+ sign -0.073+/-0.007 χ^2/NDF: 1800.0/29

All: -0.099+/-0.005 χ^2/NDF: 4174.6/61

- 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: -20.730+/-0.265 χ^2/NDF:2091.8/13

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

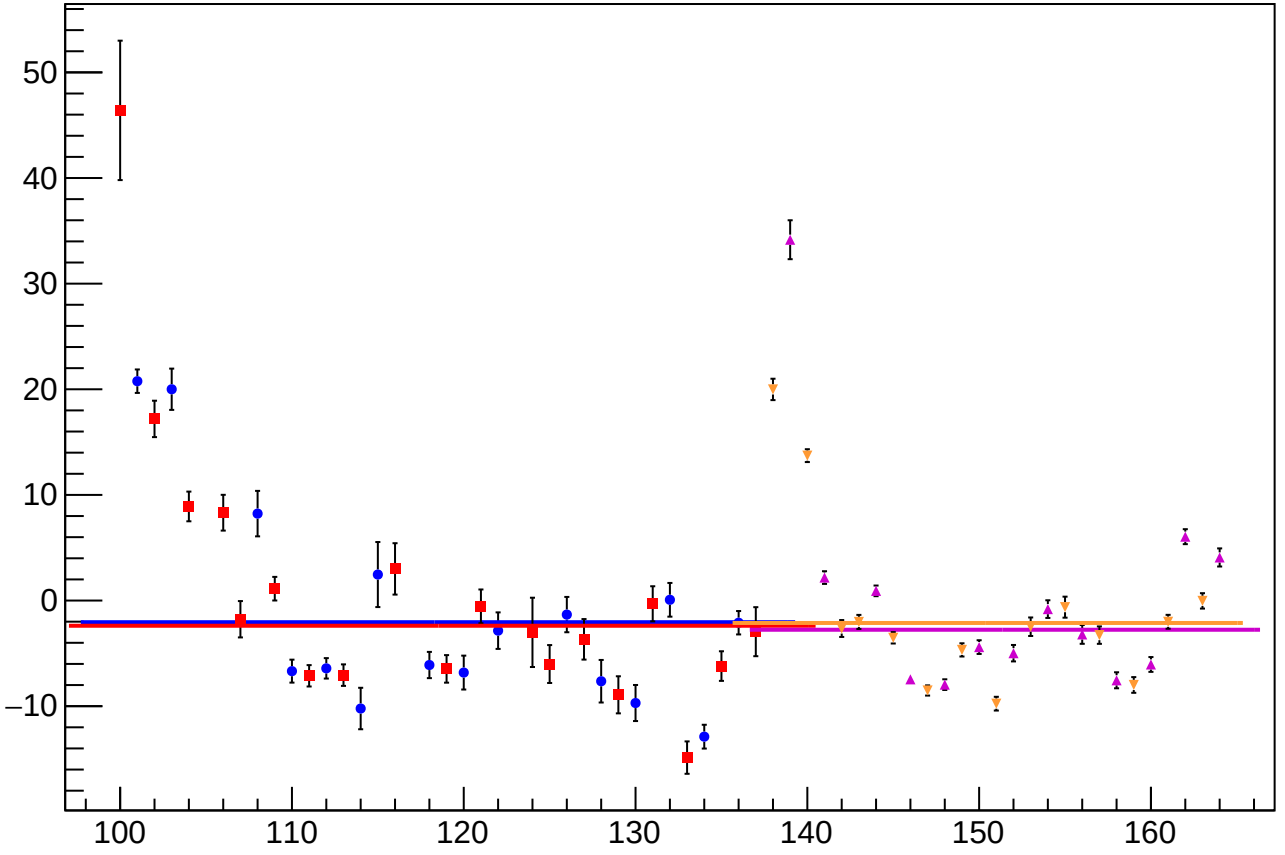
Left In: -18.944+/-0.267 χ^2/NDF:2082.1/12

+ sign -12.609+/-0.201 χ^2/NDF: 5191.9/29

All: -11.243+/-0.140 χ^2/NDF: 10687.2/61

- 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: -2.122+/-0.183 χ^2/NDF:1568.4/13

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

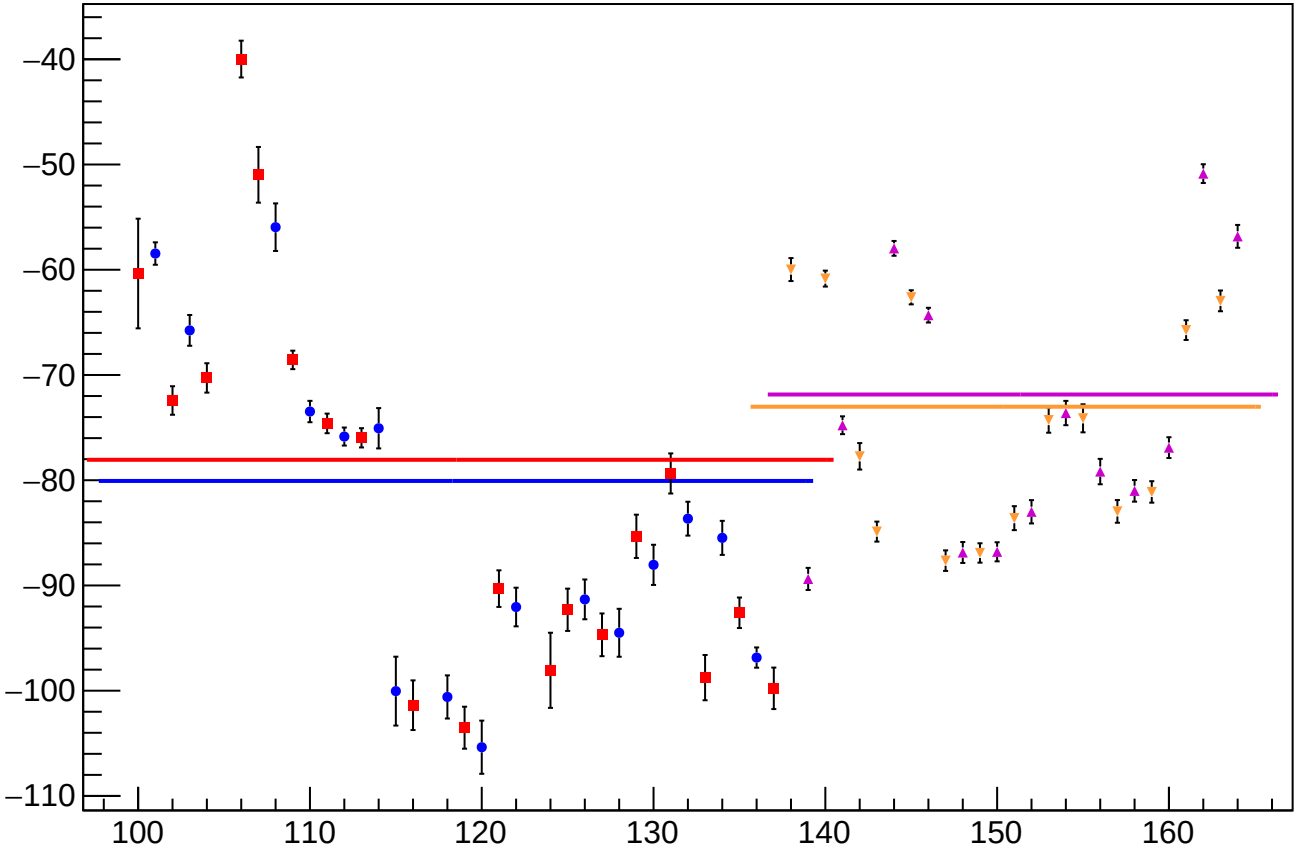
Left In: -2.765+/-0.182 χ^2/NDF:1047.7/12

+ sign -2.107+/-0.163 χ^2/NDF: 2340.3/29

All: -2.398+/-0.115 χ^2/NDF: 3846.2/61

- sign -2.686+/-0.162 χ^2/NDF: 1499.5/31

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.016+/-0.260 χ^2/NDF:1663.5/13

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

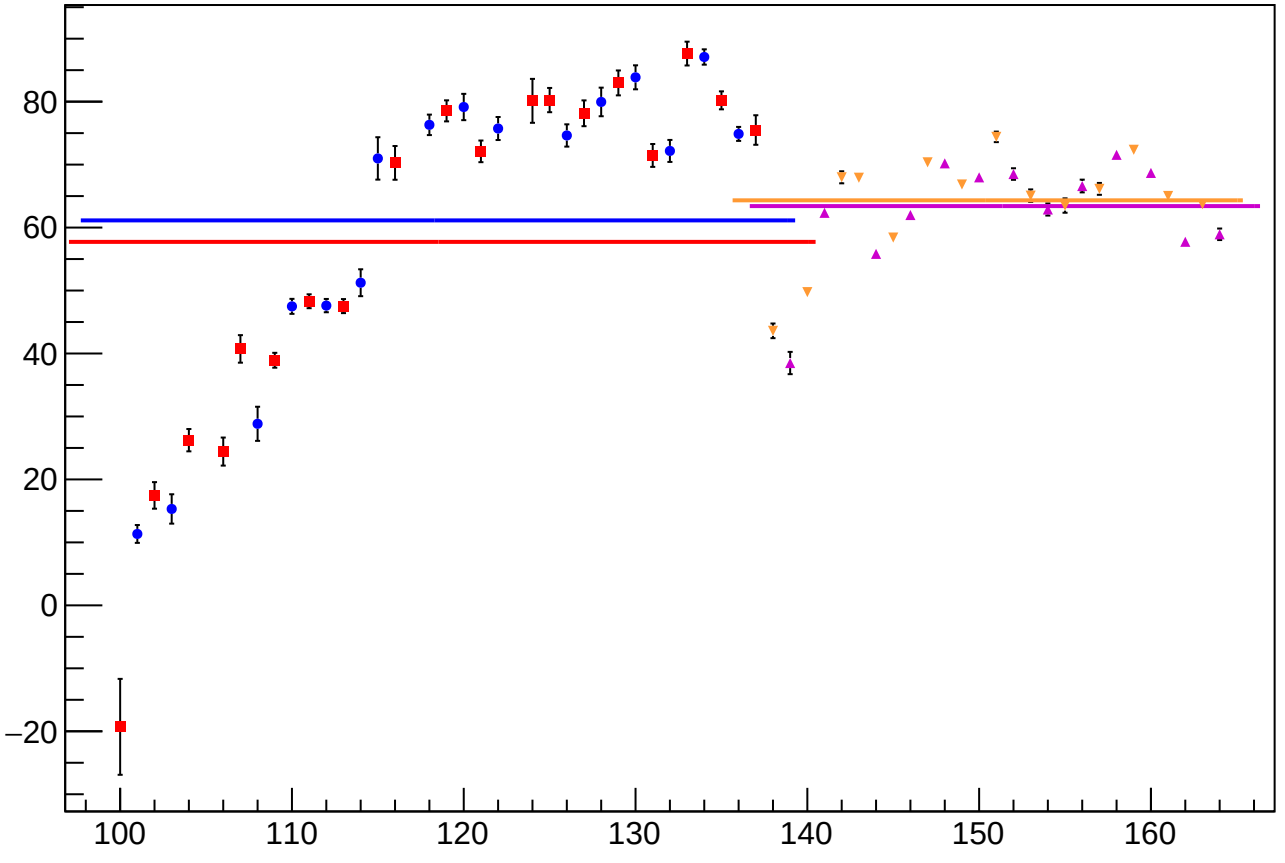
Left In: -71.854+/-0.259 χ^2/NDF:2285.6/12

+ sign -75.396+/-0.212 χ^2/NDF: 3298.9/29

All: -74.700+/-0.149 χ^2/NDF: 7367.5/61

- 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: 64.326+/-0.215 χ^2/NDF:1193.0/13

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

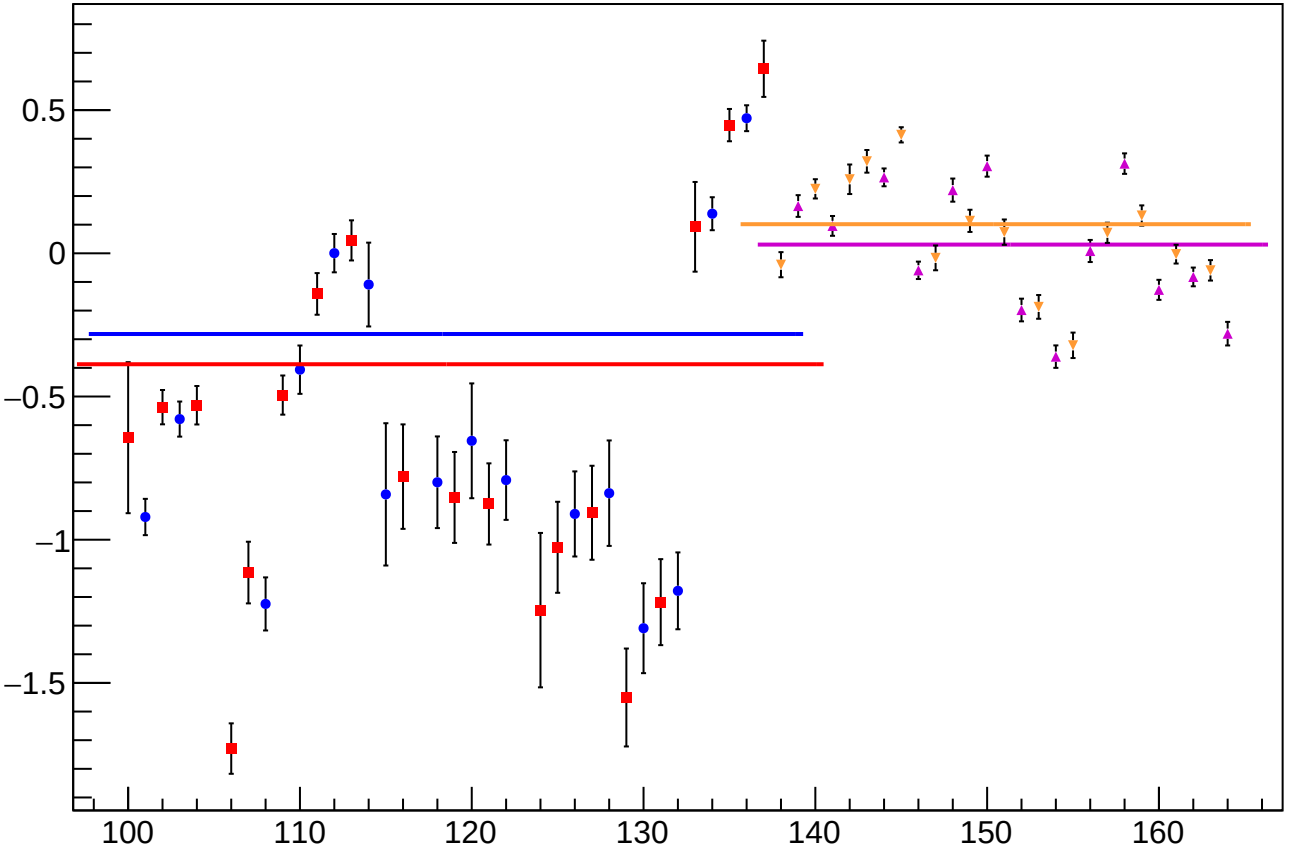
Left In: 63.411+/-0.213 χ^2/NDF:780.0/12

+ sign 63.614+/-0.189 χ^2/NDF: 4471.5/29

All: 62.879+/-0.133 χ^2/NDF: 8214.1/61

- 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: 0.102+/-0.010 χ^2/NDF:380.3/13

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

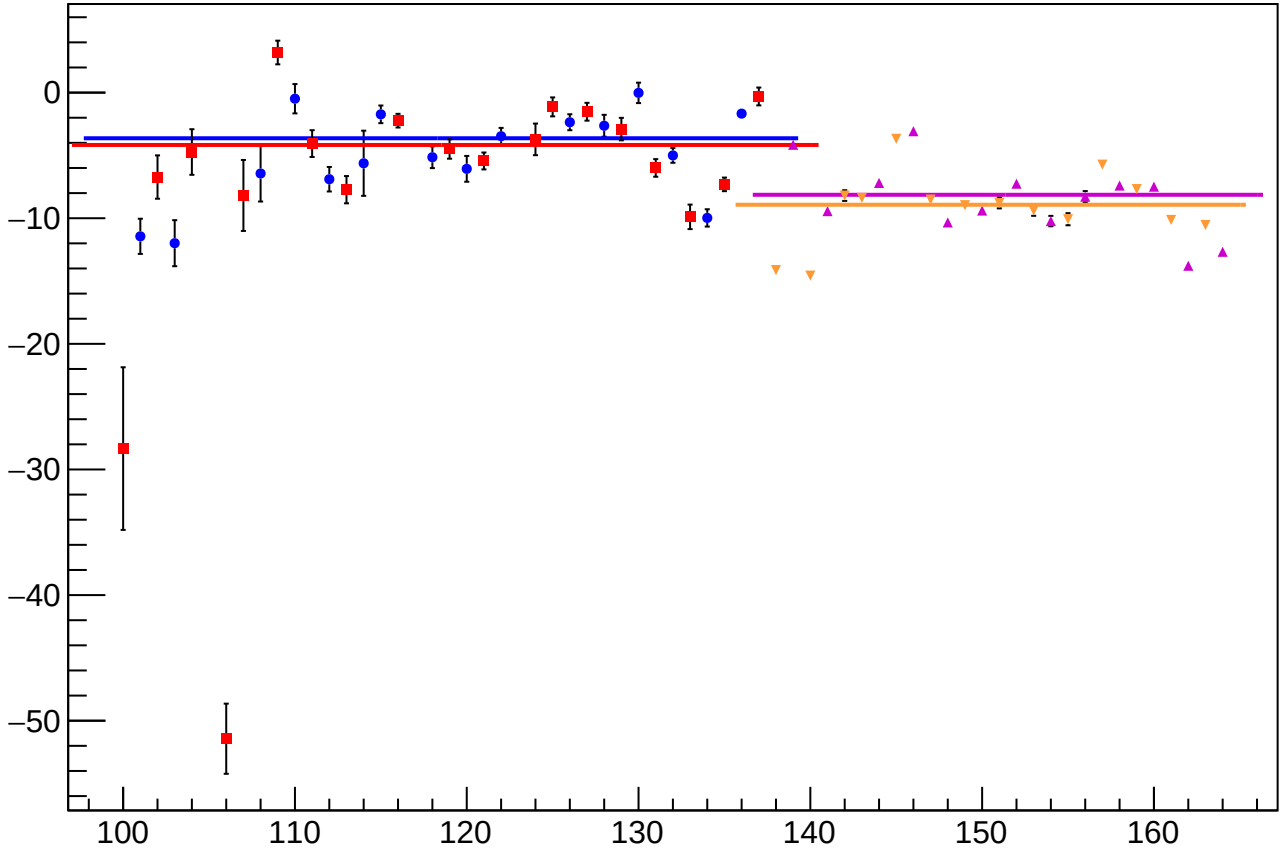
Left In: 0.030+/-0.010 χ^2/NDF:444.4/12

+ sign 0.034+/-0.009 χ^2/NDF: 1367.1/29

All: -0.004+/-0.006 χ^2/NDF: 2965.8/61

- 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: -8.927+/-0.090 χ^2/NDF:1393.1/13

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

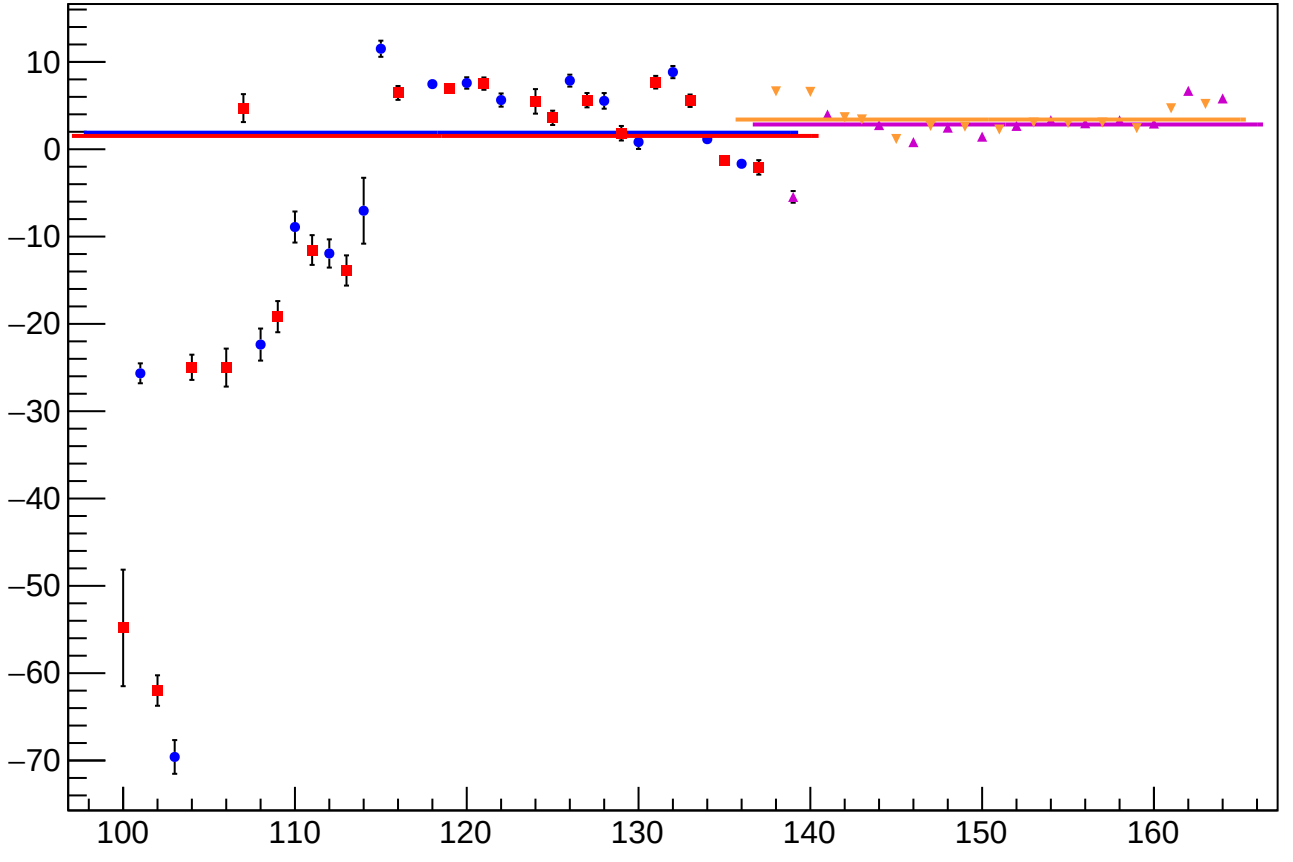
Left In: -8.134+/-0.089 χ^2/NDF:1283.1/12

+ sign -7.952+/-0.081 χ^2/NDF: 2267.6/29

All: -7.715+/-0.057 χ^2/NDF: 4427.6/61

- 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: 3.404+/-0.062 χ^2/NDF:636.1/13

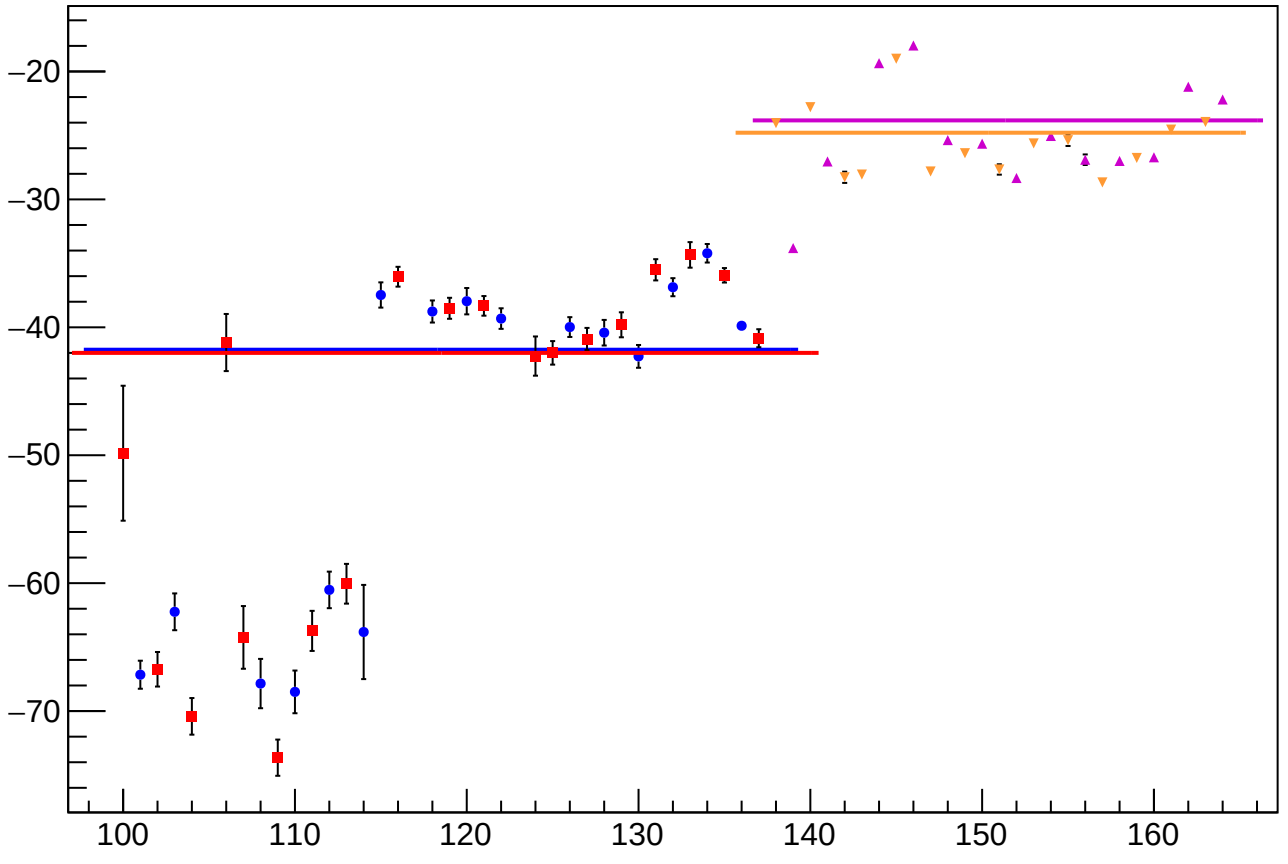
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.838+/-0.061 χ^2/NDF:878.2/12

+ sign 3.257+/-0.059 χ^2/NDF: 3531.5/29

All: 2.993+/-0.041 χ^2/NDF: 7045.8/61

- sign 2.735+/-0.058 χ^2/NDF: 3474.6/31



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.787+/-0.088 χ^2/NDF:1219.1/13

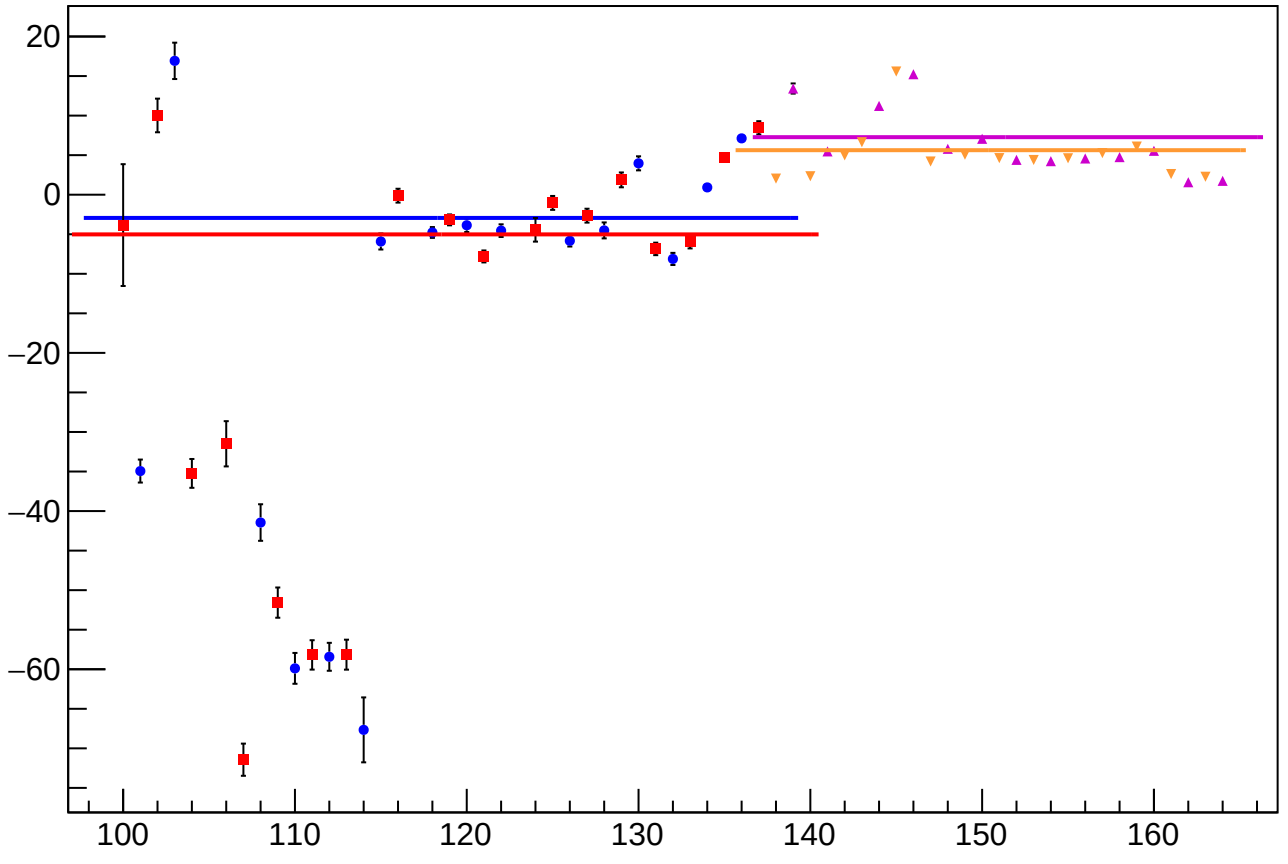
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.824+/-0.086 χ^2/NDF:2395.2/12

+ sign -27.371+/-0.081 χ^2/NDF: 8511.7/29

All: -26.731+/-0.057 χ^2/NDF: 18563.9/61

- 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: 5.628+/-0.073 χ^2/NDF:3127.5/13

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

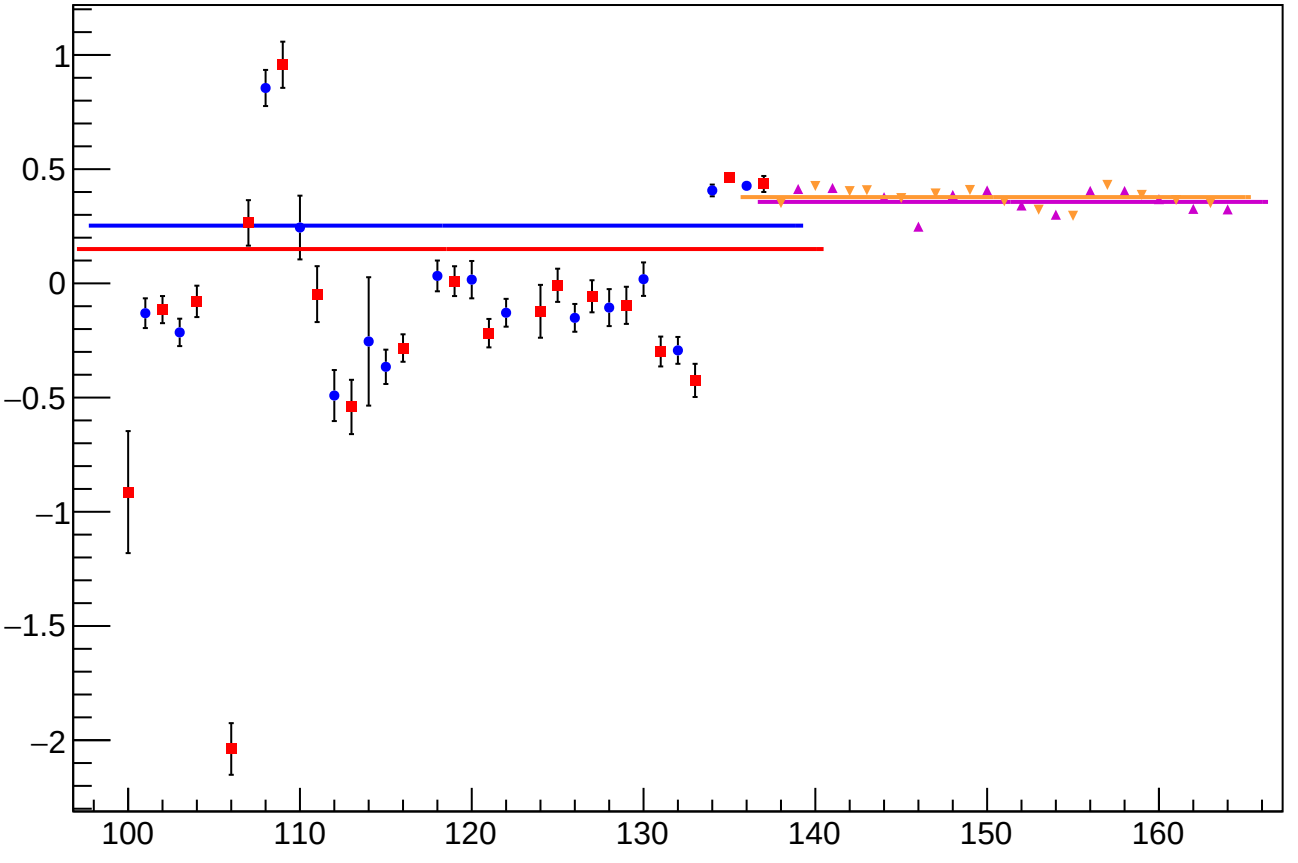
Left In: 7.274+/-0.071 χ^2/NDF:4077.0/12

+ sign 4.713+/-0.069 χ^2/NDF: 8343.2/29

All: 5.477+/-0.048 χ^2/NDF: 19615.2/61

- 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: 0.378+/-0.003 χ^2/NDF:108.1/13

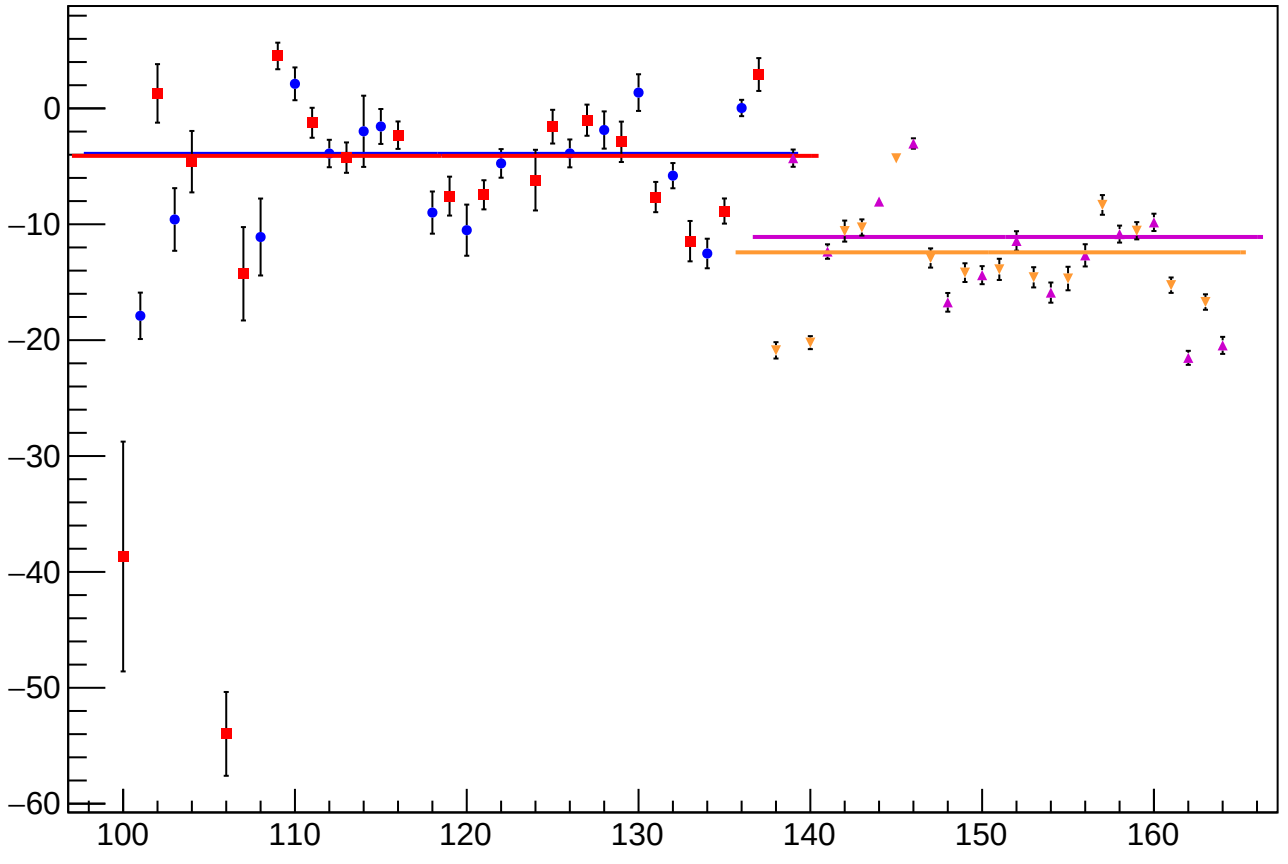
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.357+/-0.003 χ^2/NDF:258.2/12

+ sign 0.368+/-0.003 χ^2/NDF: 848.2/29

All: 0.356+/-0.002 χ^2/NDF: 2375.0/61

- sign 0.345+/-0.003 χ^2/NDF: 1501.0/31



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.422+/-0.186 χ^2/NDF:882.0/13

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

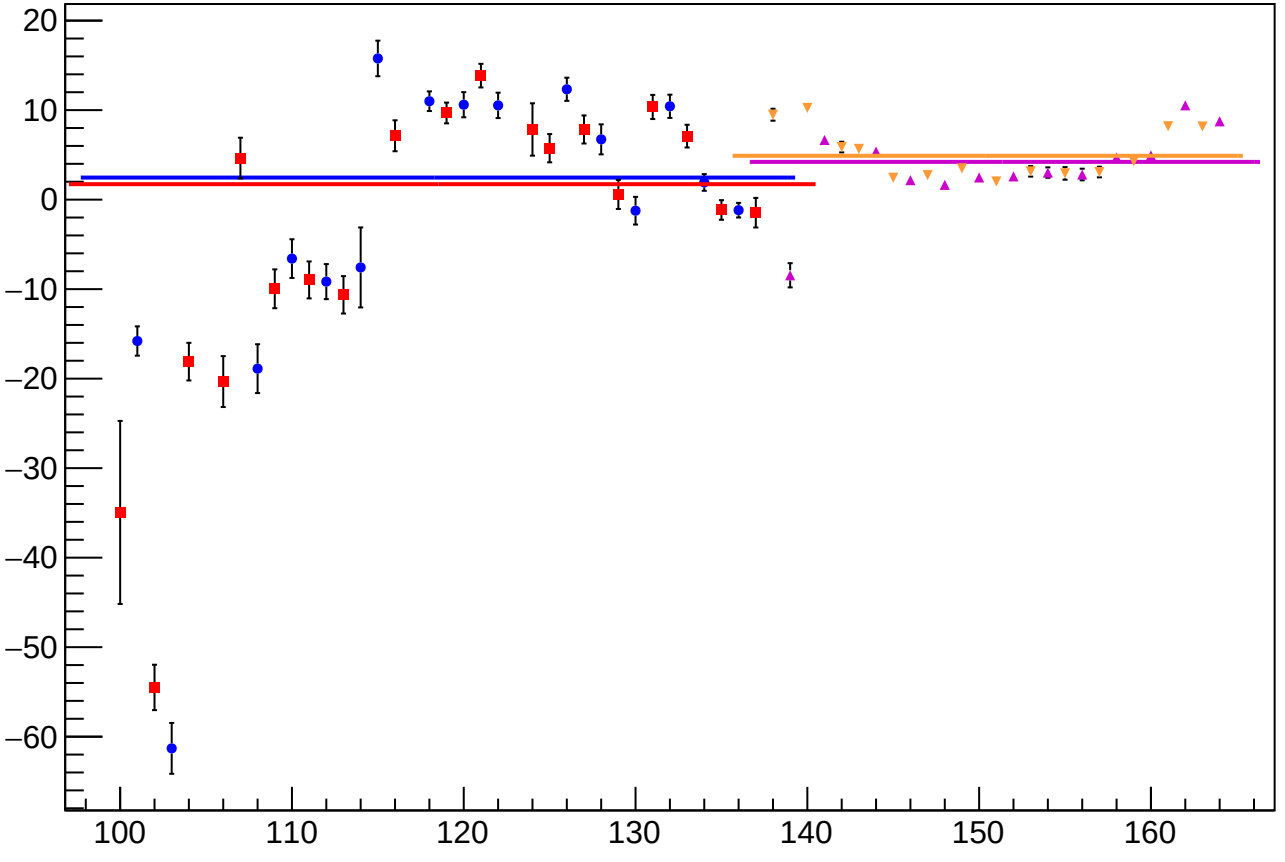
Left In: -11.095+/-0.183 χ^2/NDF:1024.9/12

+ sign -10.525+/-0.163 χ^2/NDF: 1539.4/29

All: -10.081+/-0.115 χ^2/NDF: 3250.6/61

- 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: 4.898+/-0.130 χ^2/NDF:449.3/13

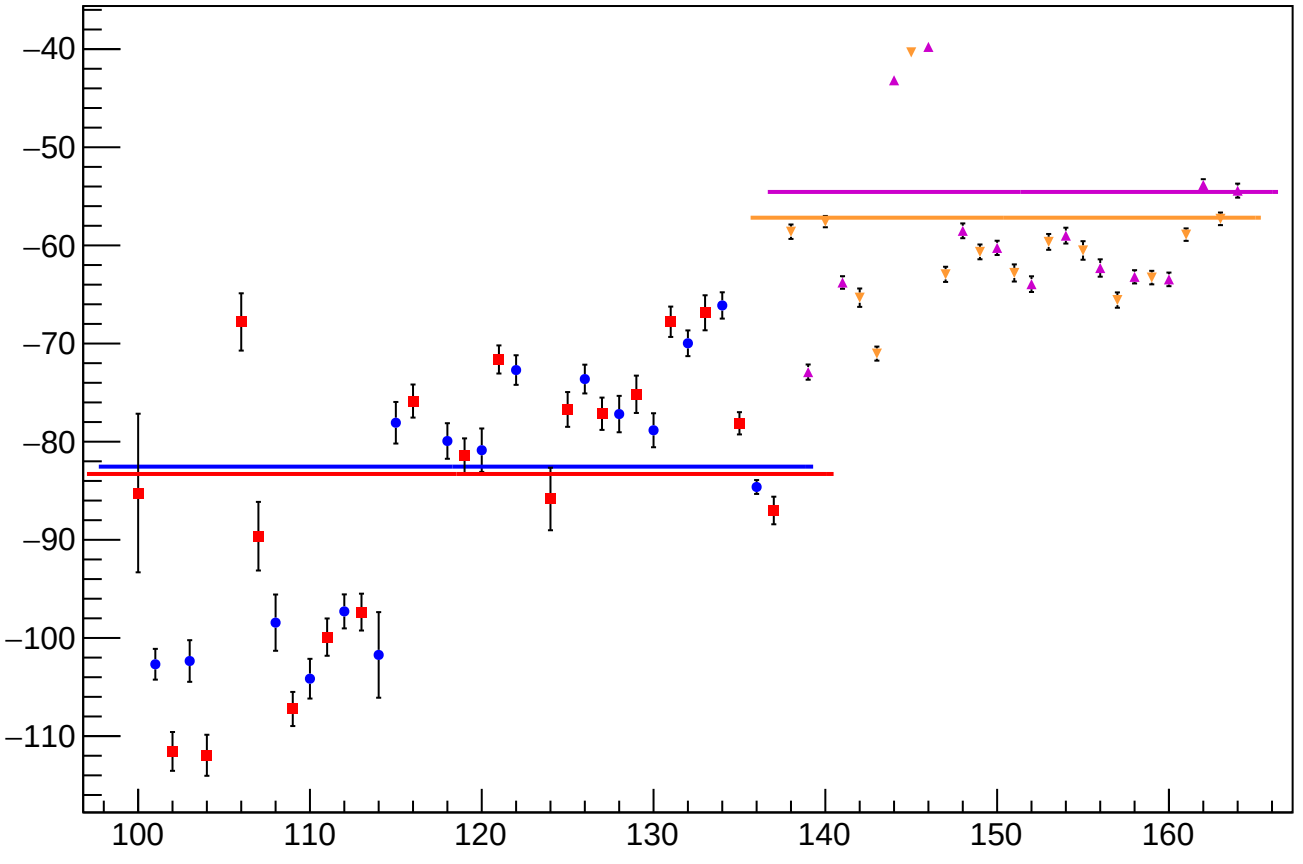
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.217+/-0.124 χ^2/NDF:519.6/12

+ sign 4.615+/-0.122 χ^2/NDF: 1537.2/29

All: 4.290+/-0.085 χ^2/NDF: 3091.3/61

- 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: -57.176+/-0.182 χ^2/NDF:2512.6/13

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

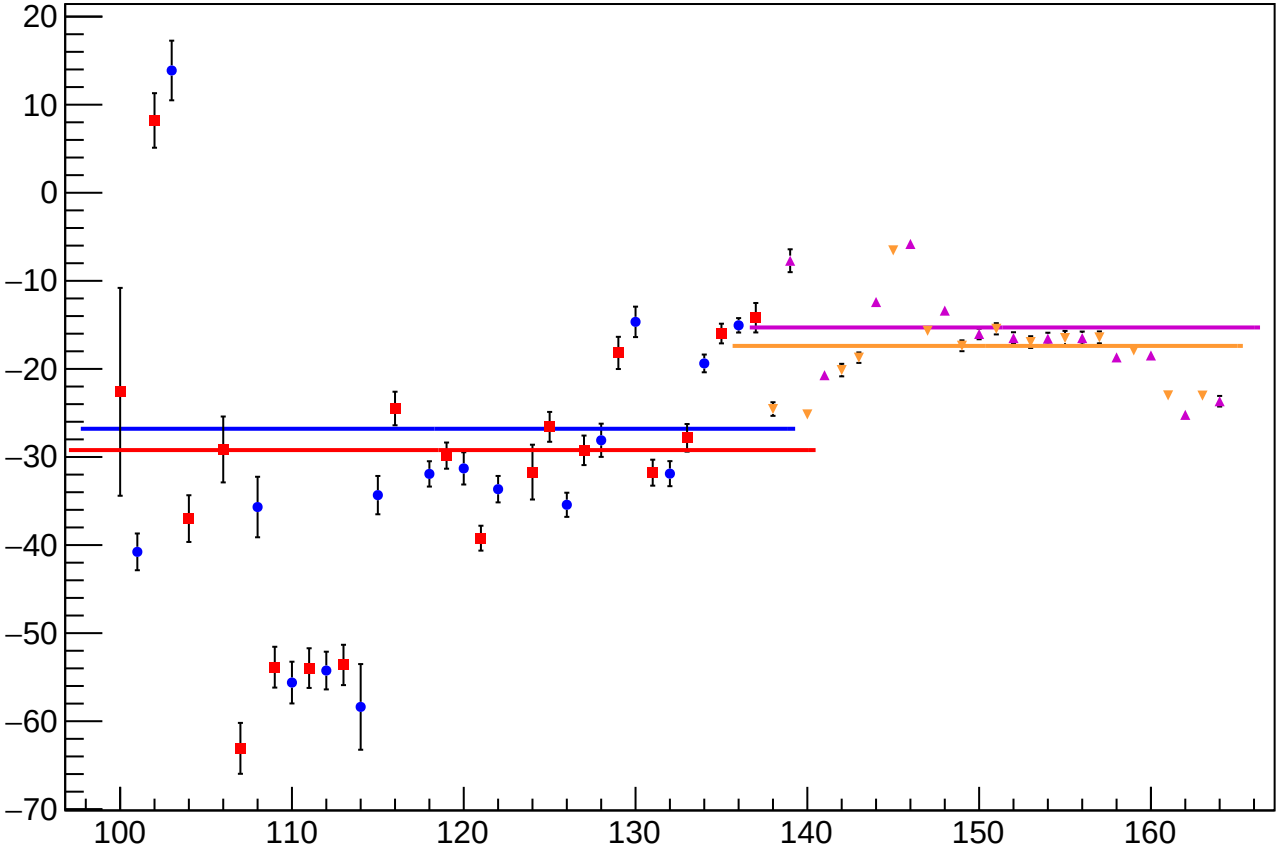
Left In: -54.553+/-0.177 χ^2/NDF:3263.7/12

+ sign -61.843+/-0.165 χ^2/NDF: 6906.2/29

All: -60.412+/-0.116 χ^2/NDF: 15477.8/61

- 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: -17.388+/-0.151 χ^2/NDF:1466.6/13

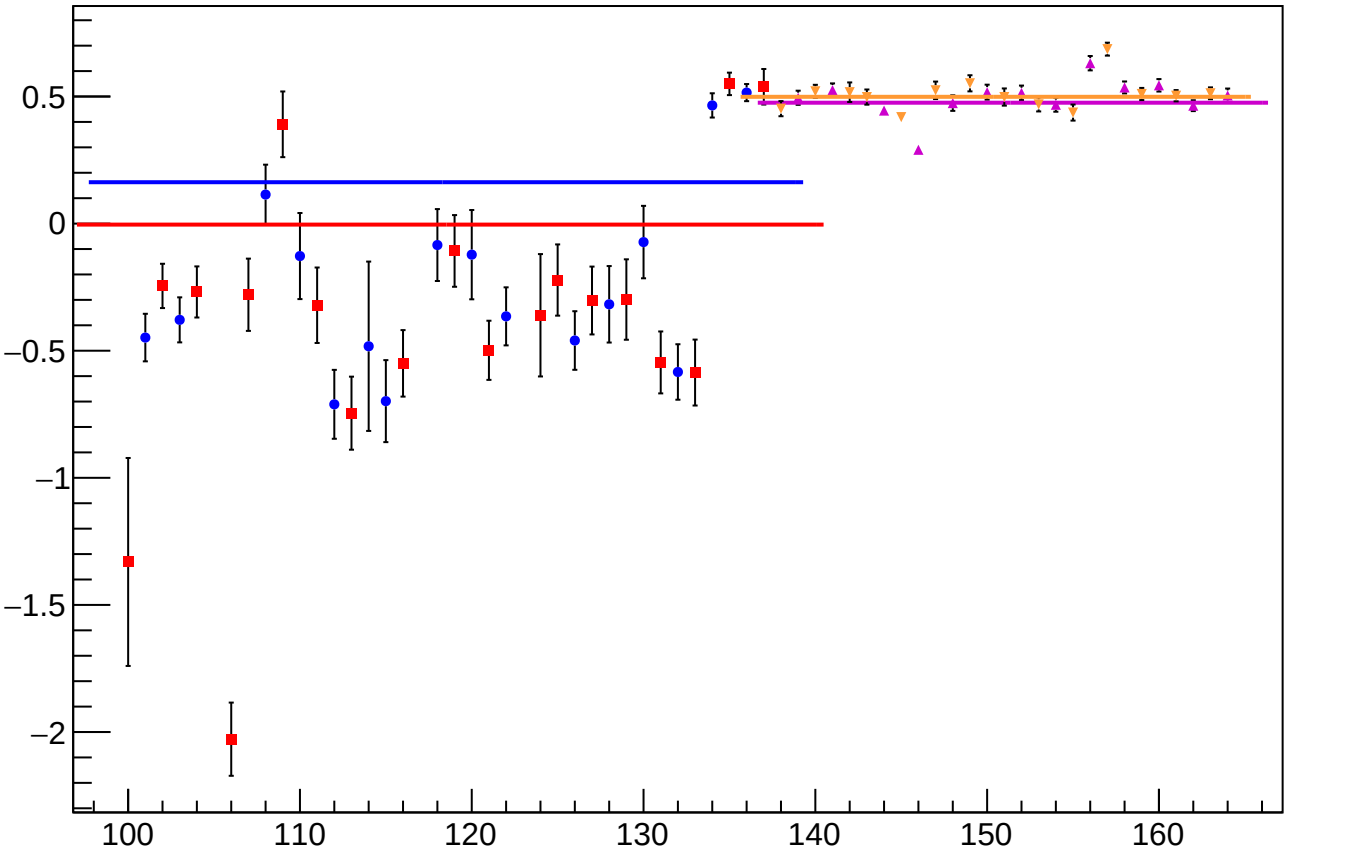
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.293+/-0.146 χ^2/NDF:1732.0/12

+ sign -18.584+/-0.141 χ^2/NDF: 2923.7/29

All: -17.631+/-0.099 χ^2/NDF: 6642.0/61

- sign -16.719+/-0.138 χ^2/NDF: 3628.9/31



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.499+/-0.007 χ^2/NDF:90.9/13

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

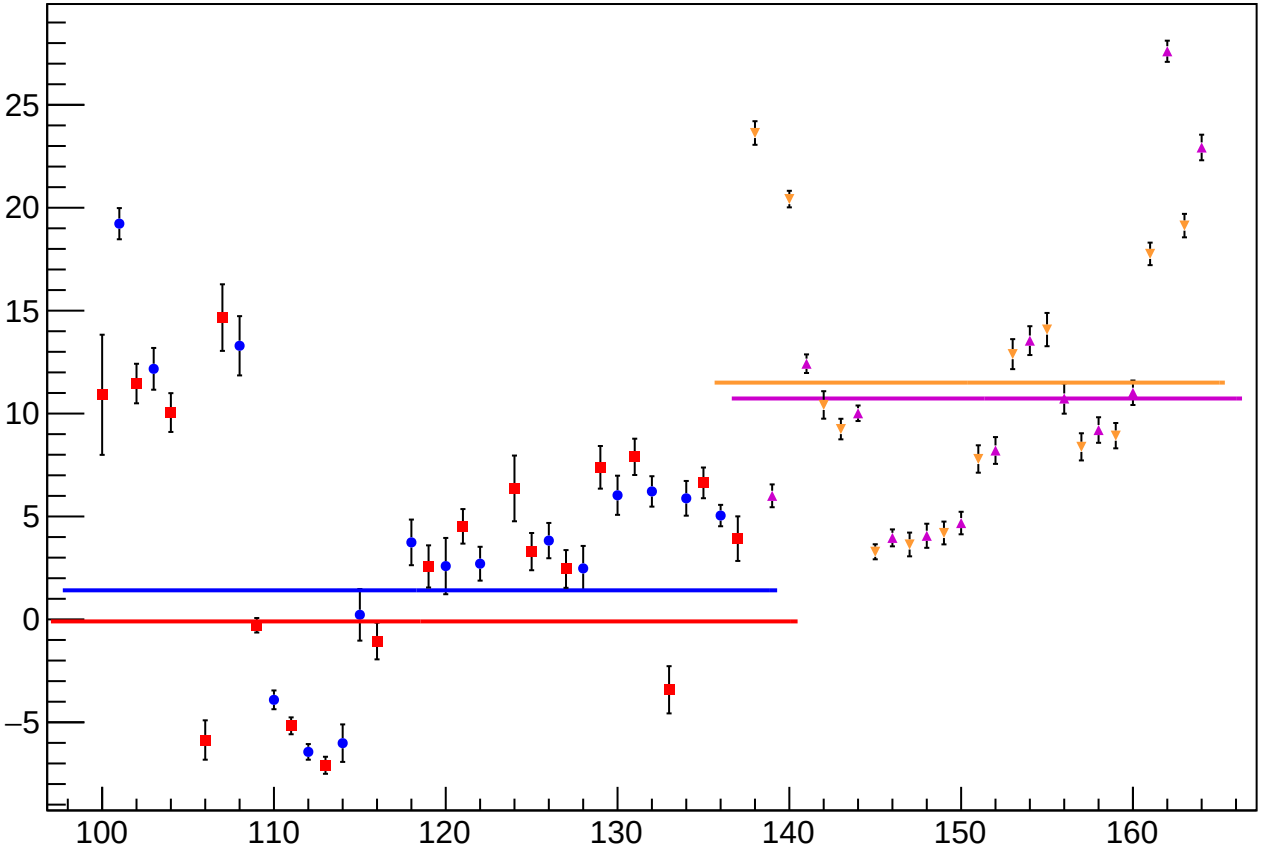
Left In: 0.476+/-0.007 χ^2/NDF:154.3/12

+ sign 0.466+/-0.007 χ^2/NDF: 736.2/29

All: 0.453+/-0.005 χ^2/NDF: 1829.1/61

- 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: 11.504+/-0.147 χ^2/NDF:2220.3/13

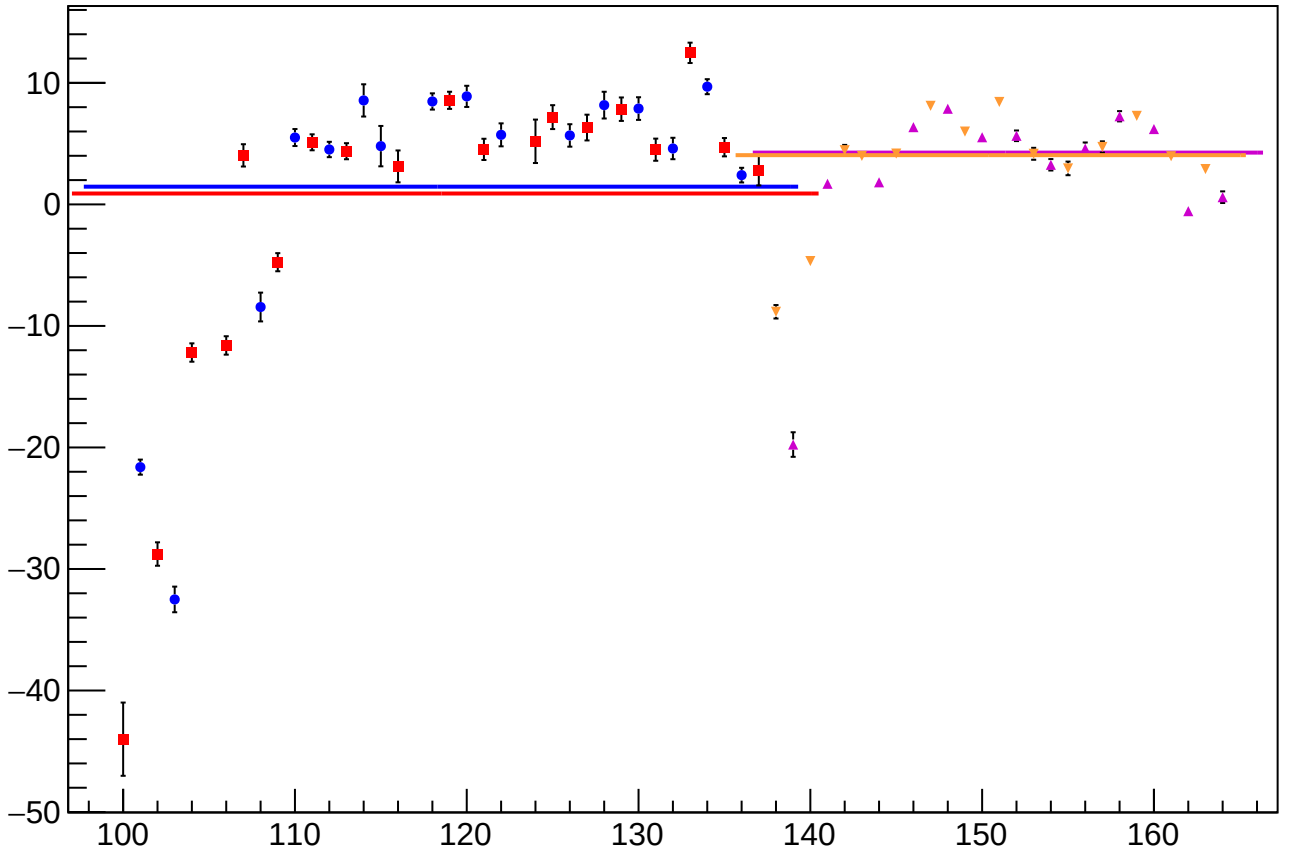
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 10.732+/-0.148 χ^2/NDF:2109.7/12

+ sign 7.546+/-0.115 χ^2/NDF: 5589.1/29

All: 6.730+/-0.080 χ^2/NDF: 11287.4/61

- 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: 4.052+/-0.101 χ^2/NDF:1712.8/13

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

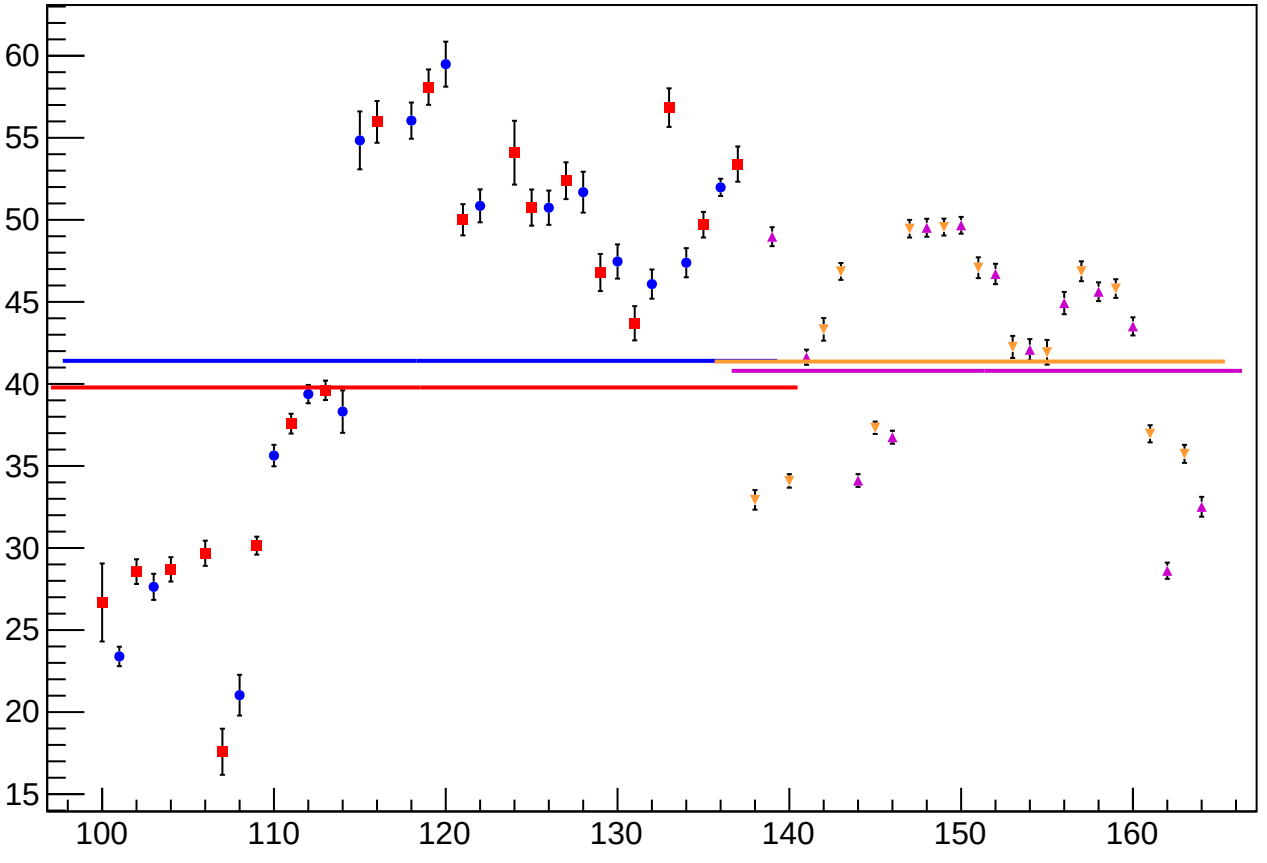
Left In: 4.262+/-0.101 χ^2/NDF:1258.1/12

+ sign 3.536+/-0.091 χ^2/NDF: 4923.2/29

All: 3.562+/-0.064 χ^2/NDF: 8780.5/61

- 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: 41.366+/-0.144 χ^2/NDF:1625.4/13

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

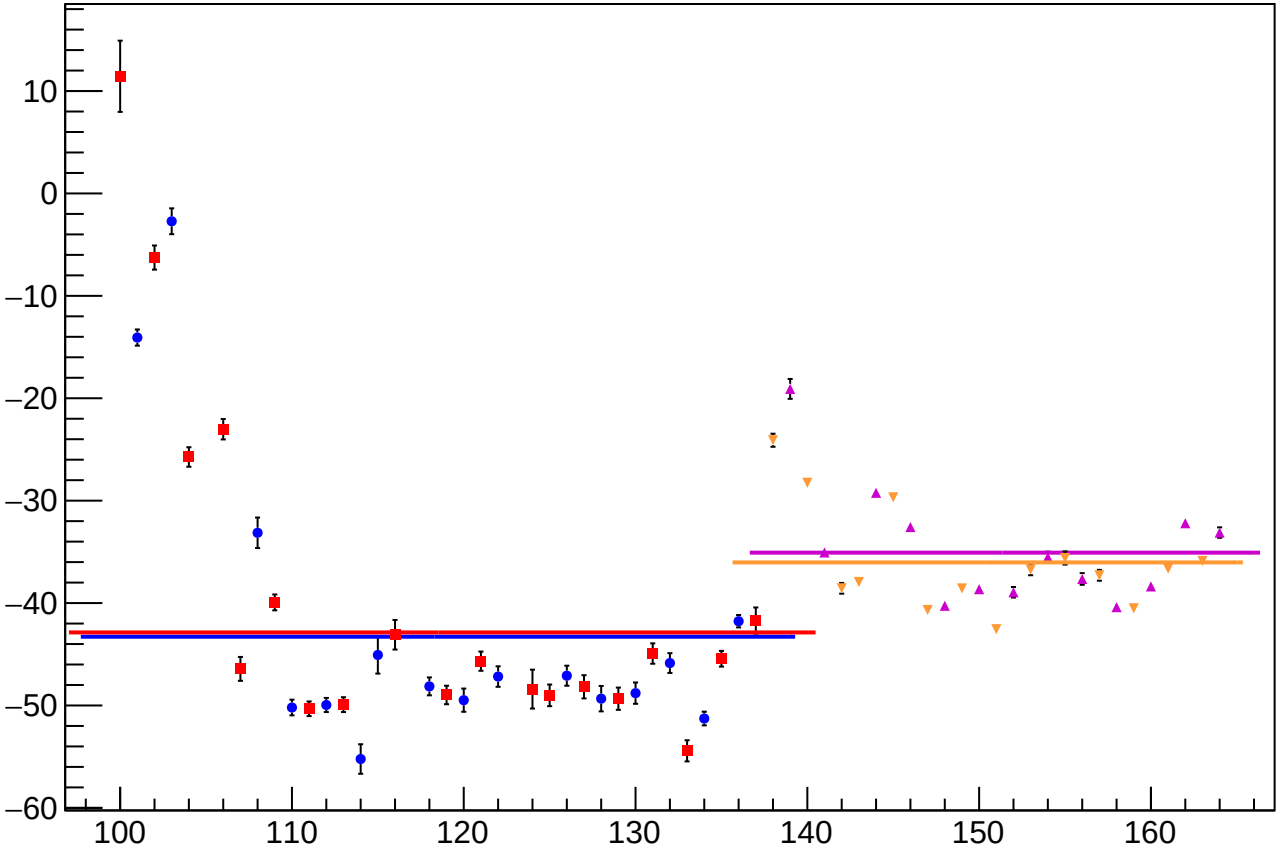
Left In: 40.798+/-0.144 χ^2/NDF:2178.4/12

+ sign 41.379+/-0.119 χ^2/NDF: 4371.5/29

All: 40.912+/-0.084 χ^2/NDF: 9250.5/61

- 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: -36.030+/-0.119 χ^2/NDF:1620.2/13

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

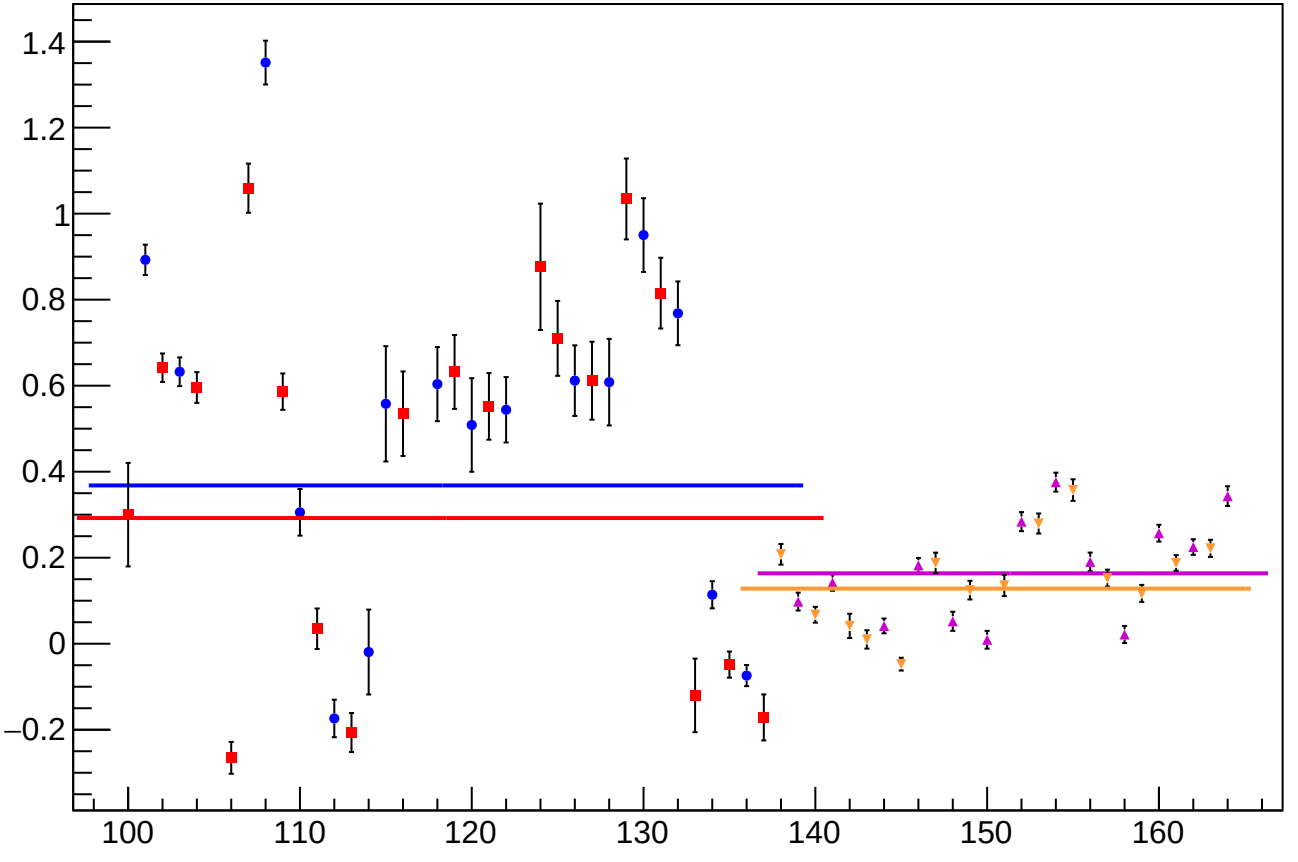
Left In: -35.078+/-0.119 χ^2/NDF:1258.2/12

+ sign -37.572+/-0.106 χ^2/NDF: 5393.7/29

All: -37.149+/-0.075 χ^2/NDF: 10049.4/61

- 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: 0.128+/-0.006 χ^2/NDF:367.5/13

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

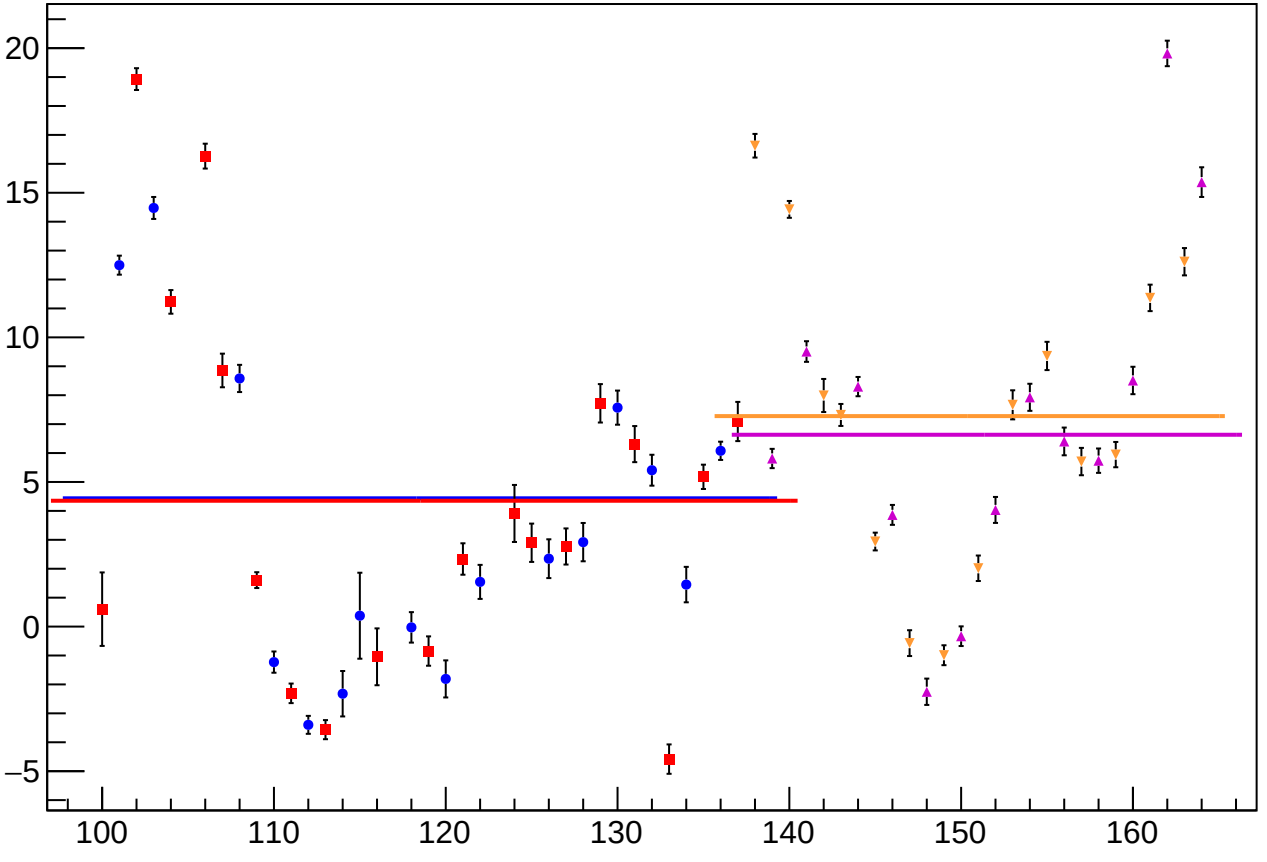
Left In: 0.164+/-0.006 χ^2/NDF:413.3/12

+ sign 0.170+/-0.005 χ^2/NDF: 2008.1/29

All: 0.178+/-0.004 χ^2/NDF: 3719.1/61

- sign 0.186+/-0.005 χ^2/NDF: 1705.7/31

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.278+/-0.109 χ^2/NDF:2600.7/13

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

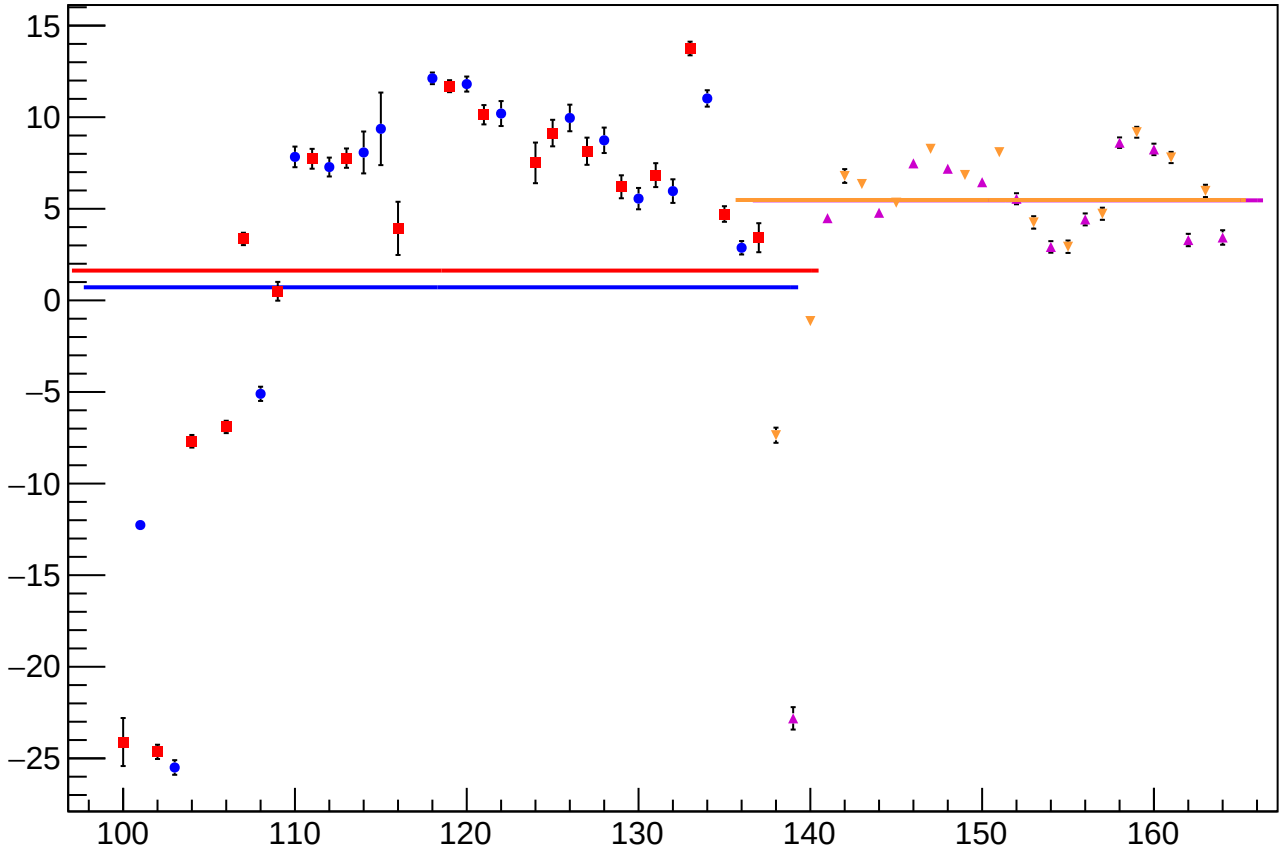
Left In: 6.632+/-0.111 χ^2/NDF:2205.4/12

+ sign 5.955+/-0.080 χ^2/NDF: 5538.7/29

All: 5.706+/-0.056 χ^2/NDF: 12182.6/61

- 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: 5.480+/-0.076 χ^2/NDF:2334.6/13

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

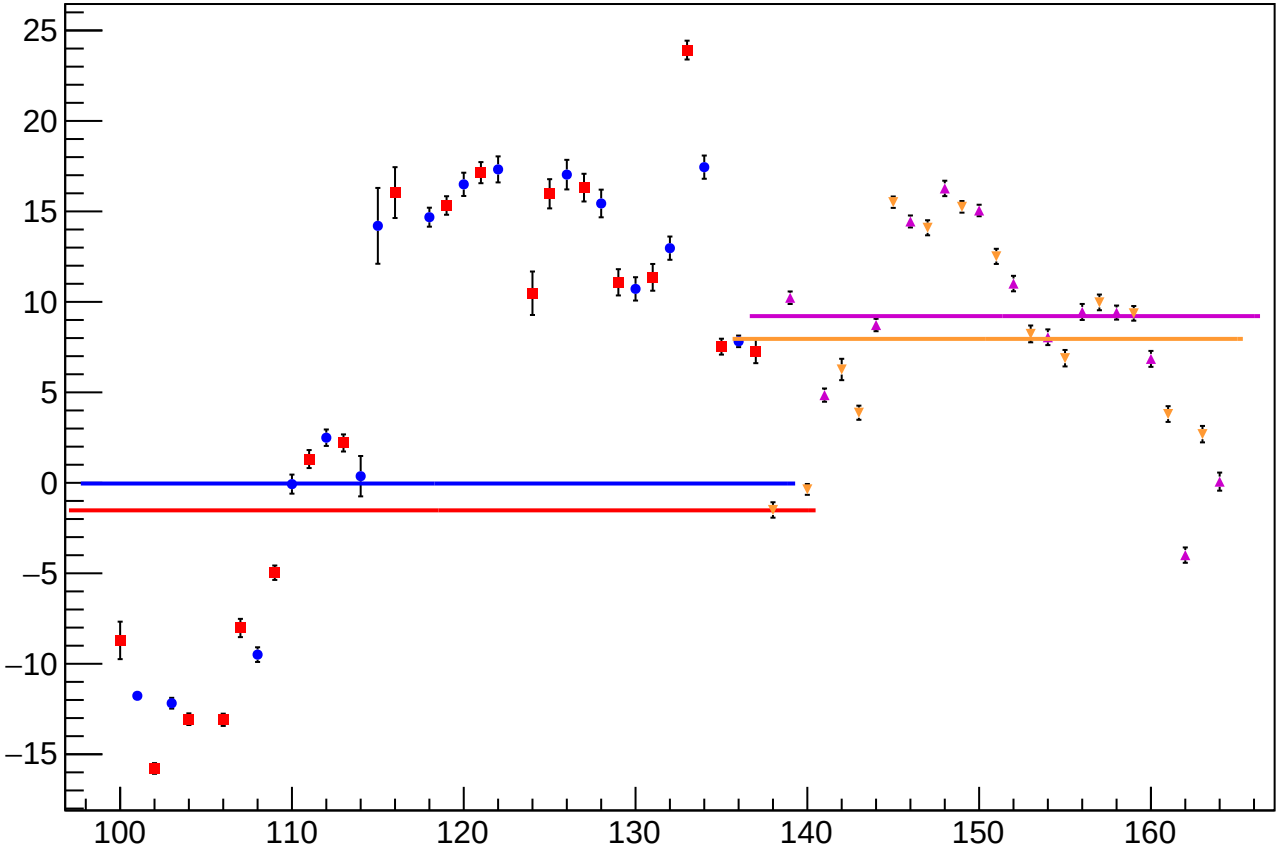
Left In: 5.460+/-0.078 χ^2/NDF:2671.1/12

+ sign 4.060+/-0.063 χ^2/NDF: 13974.9/29

All: 4.125+/-0.045 χ^2/NDF: 26700.9/61

- 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: 7.955+/-0.106 χ^2/NDF:3067.9/13

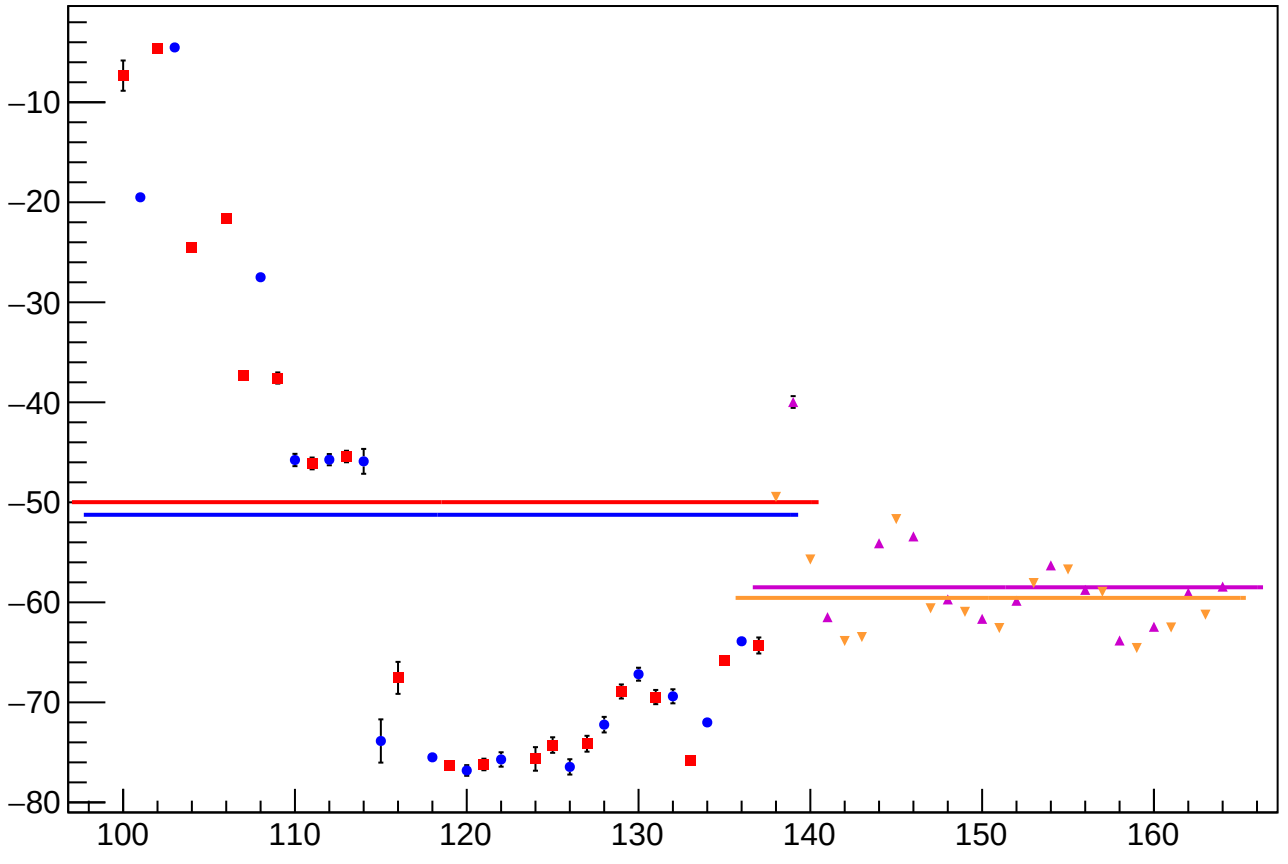
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 9.214+/-0.108 χ^2/NDF:2371.9/12

+ sign 4.413+/-0.079 χ^2/NDF: 14839.6/29

All: 4.303+/-0.056 χ^2/NDF: 33978.3/61

- sign 4.195+/-0.079 χ^2/NDF: 19134.9/31



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.554+/-0.089 χ^2/NDF:2164.2/13

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

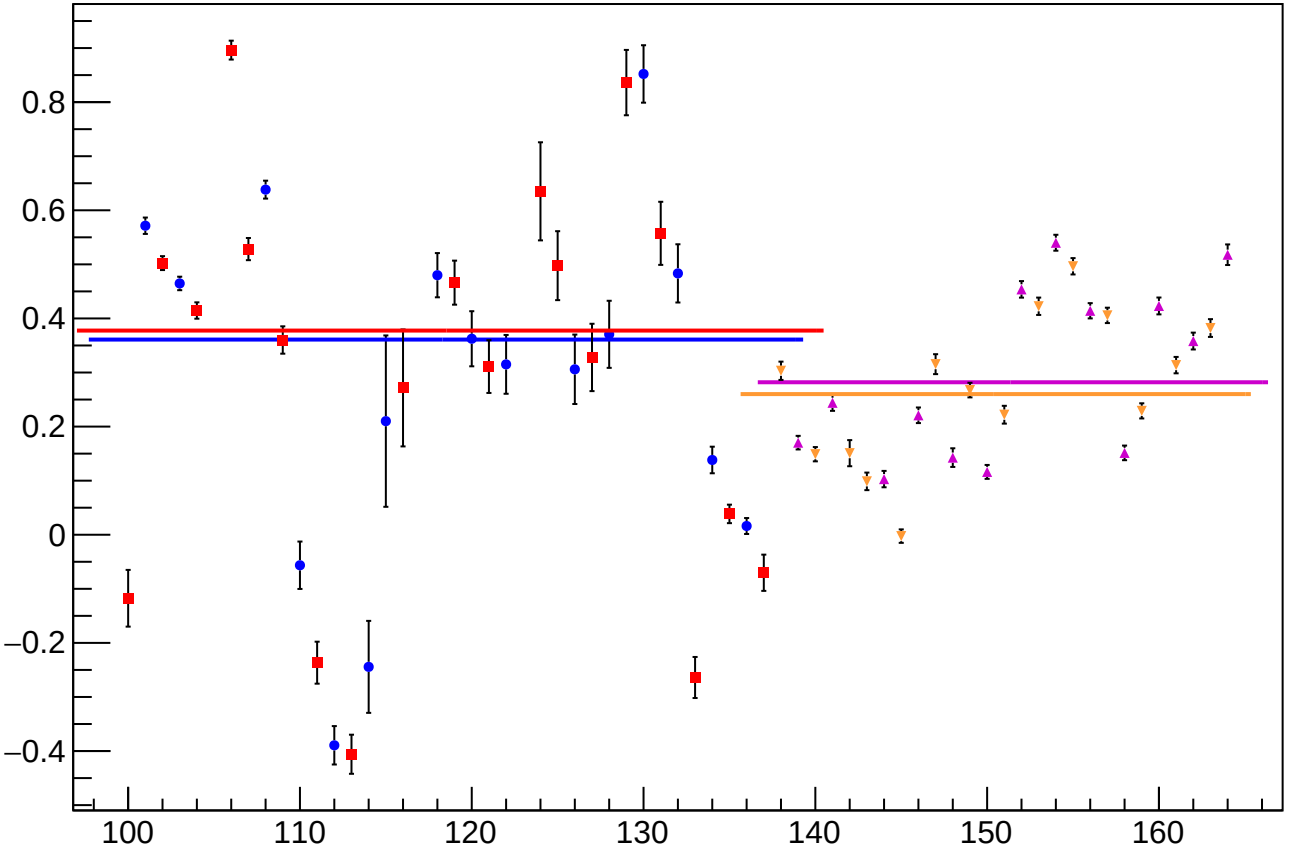
Left In: -58.494+/-0.091 χ^2/NDF:2358.3/12

\+ sign -57.069+/-0.074 χ^2/NDF: 38554.1/29

All: -56.399+/-0.053 χ^2/NDF: 77829.5/61

\- 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: 0.260+/-0.004 χ^2/NDF:1179.8/13

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

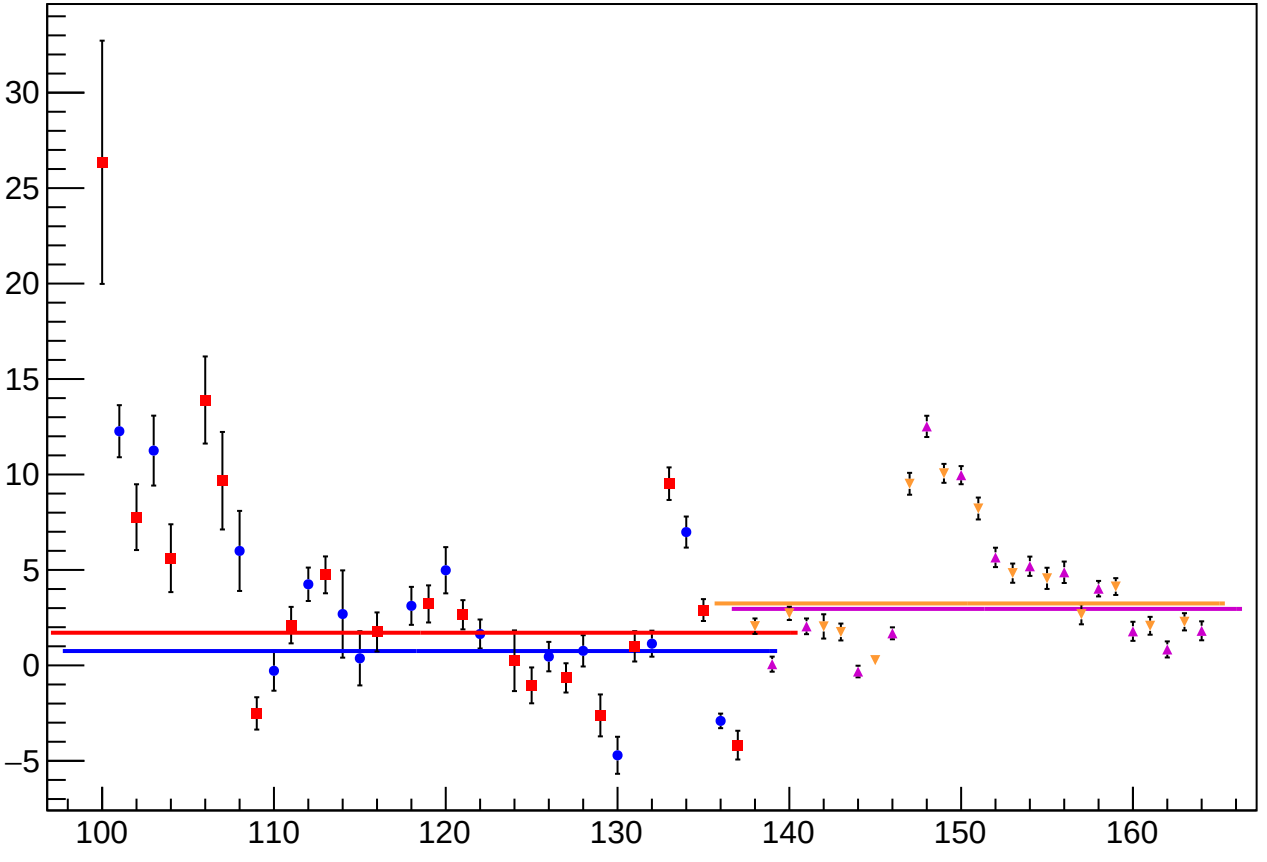
Left In: 0.282+/-0.004 χ^2/NDF:1347.5/12

+ sign 0.290+/-0.003 χ^2/NDF: 3217.3/29

All: 0.301+/-0.002 χ^2/NDF: 7544.8/61

- 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: 3.244+/-0.118 χ^2/NDF:568.3/13

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

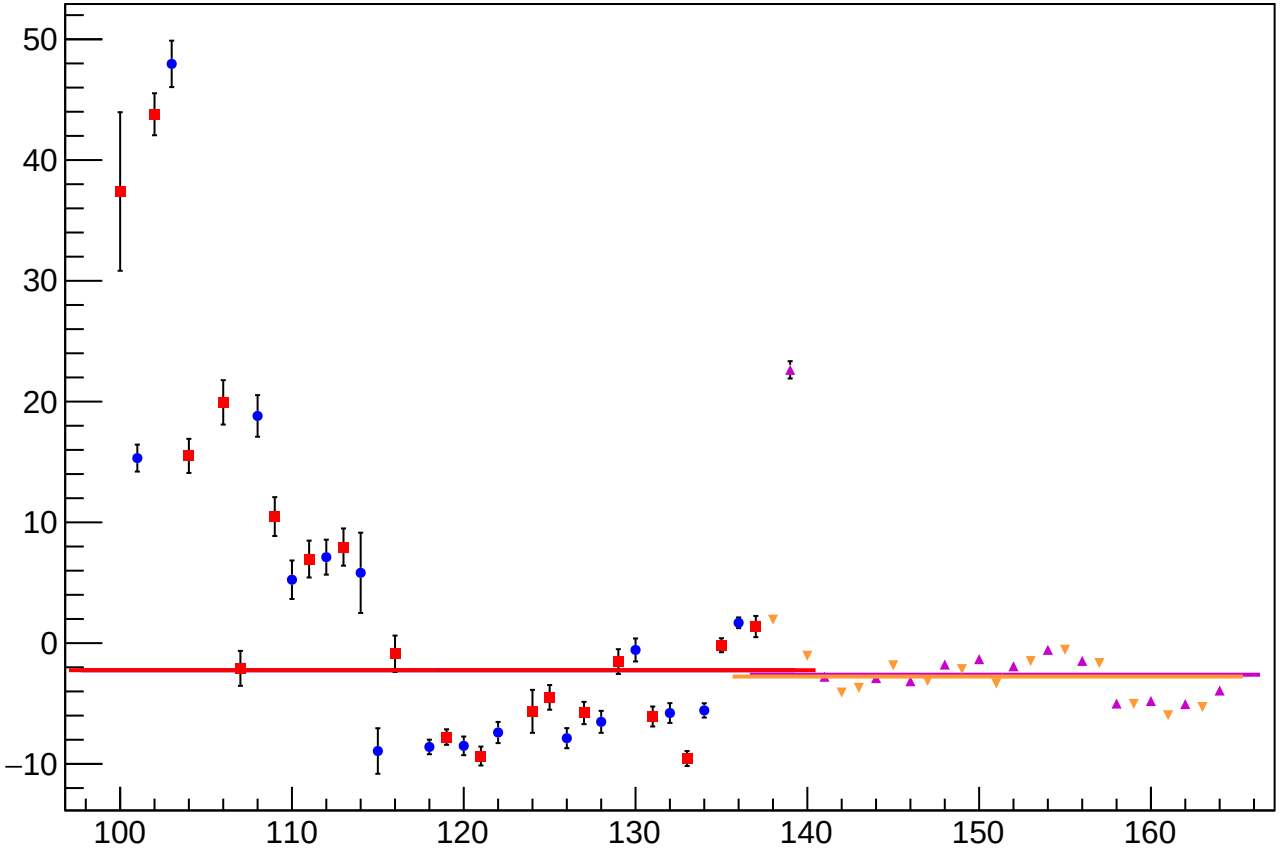
Left In: 2.958+/-0.118 χ^2/NDF:806.9/12

+ sign 2.657+/-0.103 χ^2/NDF: 1003.7/29

All: 2.670+/-0.073 χ^2/NDF: 2128.9/61

- 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: -2.767+/-0.083 χ^2/NDF:504.8/13

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

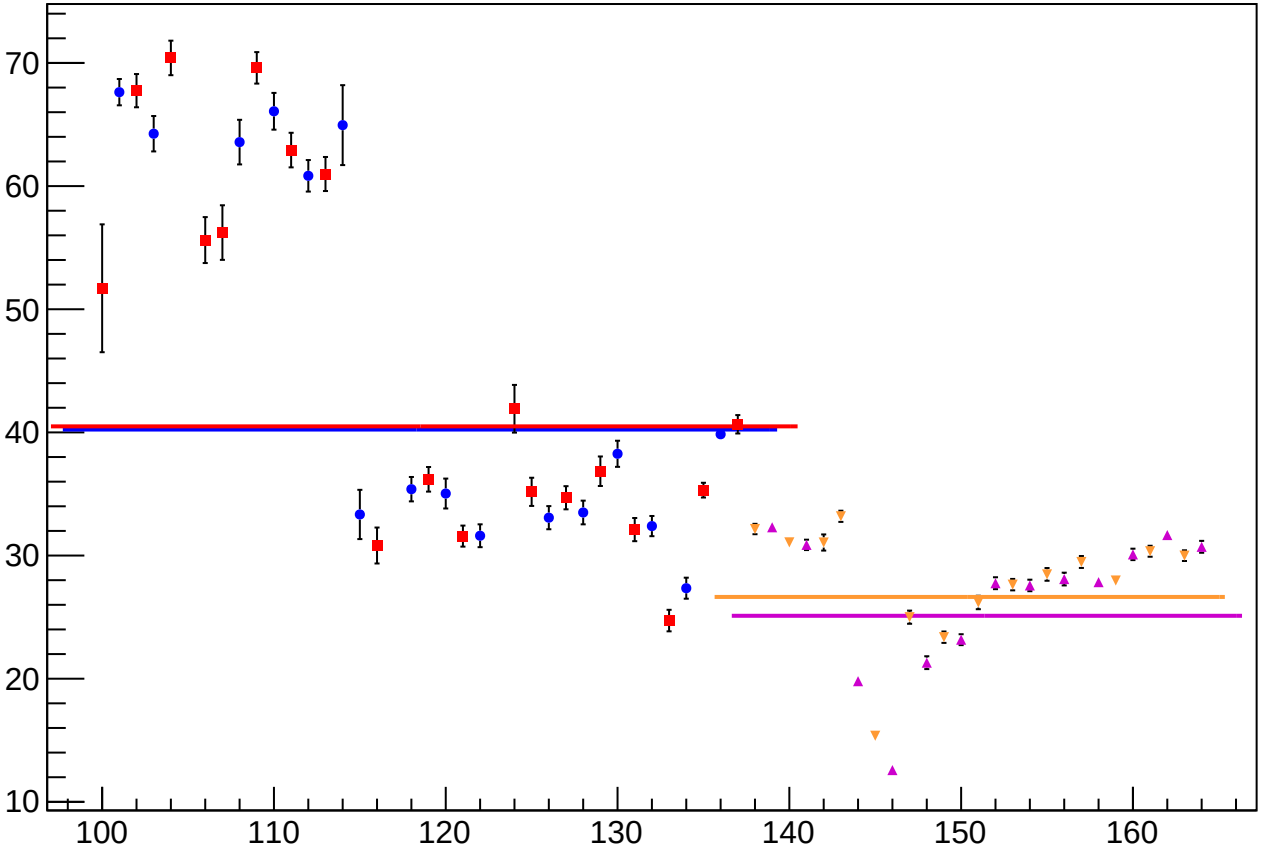
Left In: -2.614+/-0.083 χ^2/NDF:1509.5/12

+ sign -2.699+/-0.078 χ^2/NDF: 2082.4/29

All: -2.635+/-0.055 χ^2/NDF: 5151.3/61

- sign -2.571+/-0.078 χ^2/NDF: 3067.5/31

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 26.639+/-0.116 χ^2/NDF:2546.9/13

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

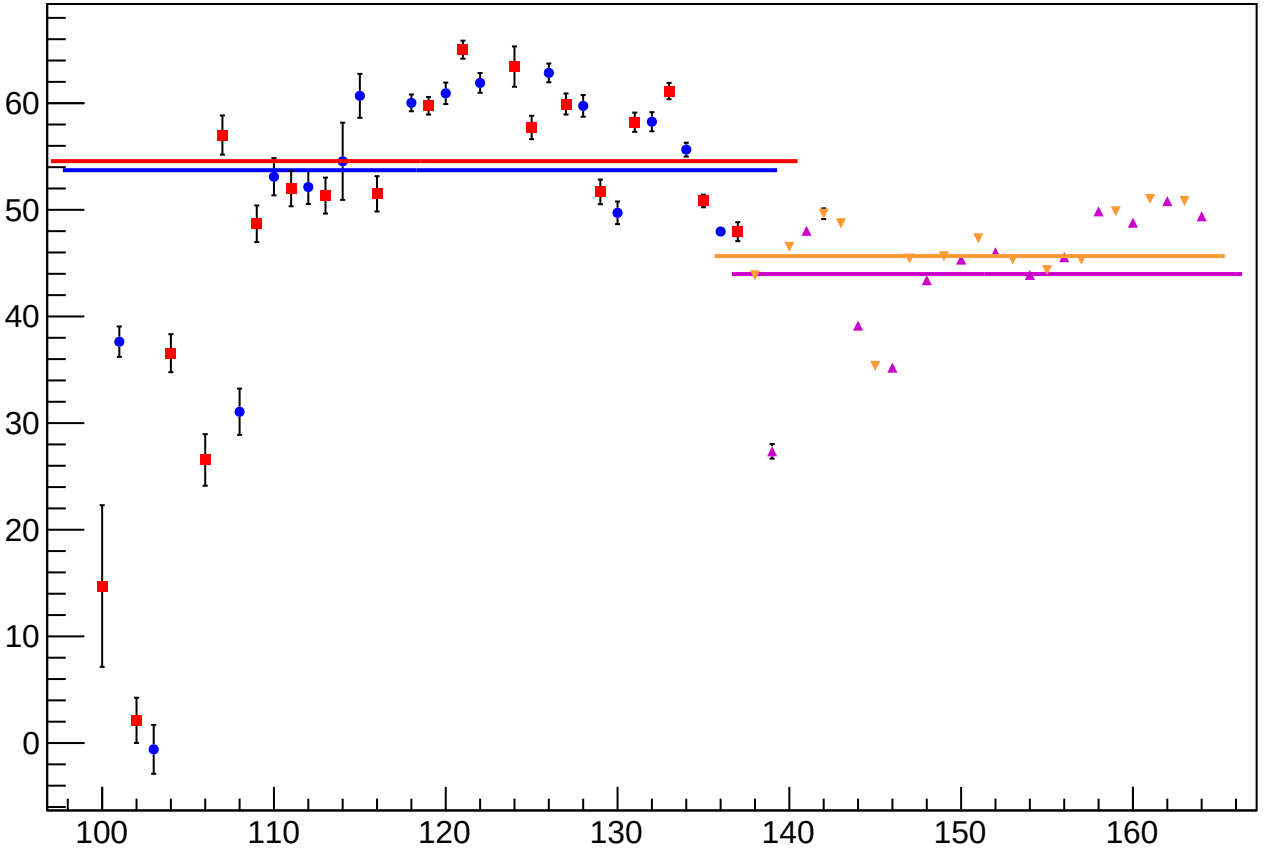
Left In: 25.109+/-0.115 χ^2/NDF:3229.4/12

+ sign 29.363+/-0.104 χ^2/NDF: 7596.4/29

All: 28.572+/-0.073 χ^2/NDF: 16759.8/61

- sign 27.773+/-0.104 χ^2/NDF: 9046.3/31

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.666+/-0.097 χ^2/NDF:2601.8/13

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

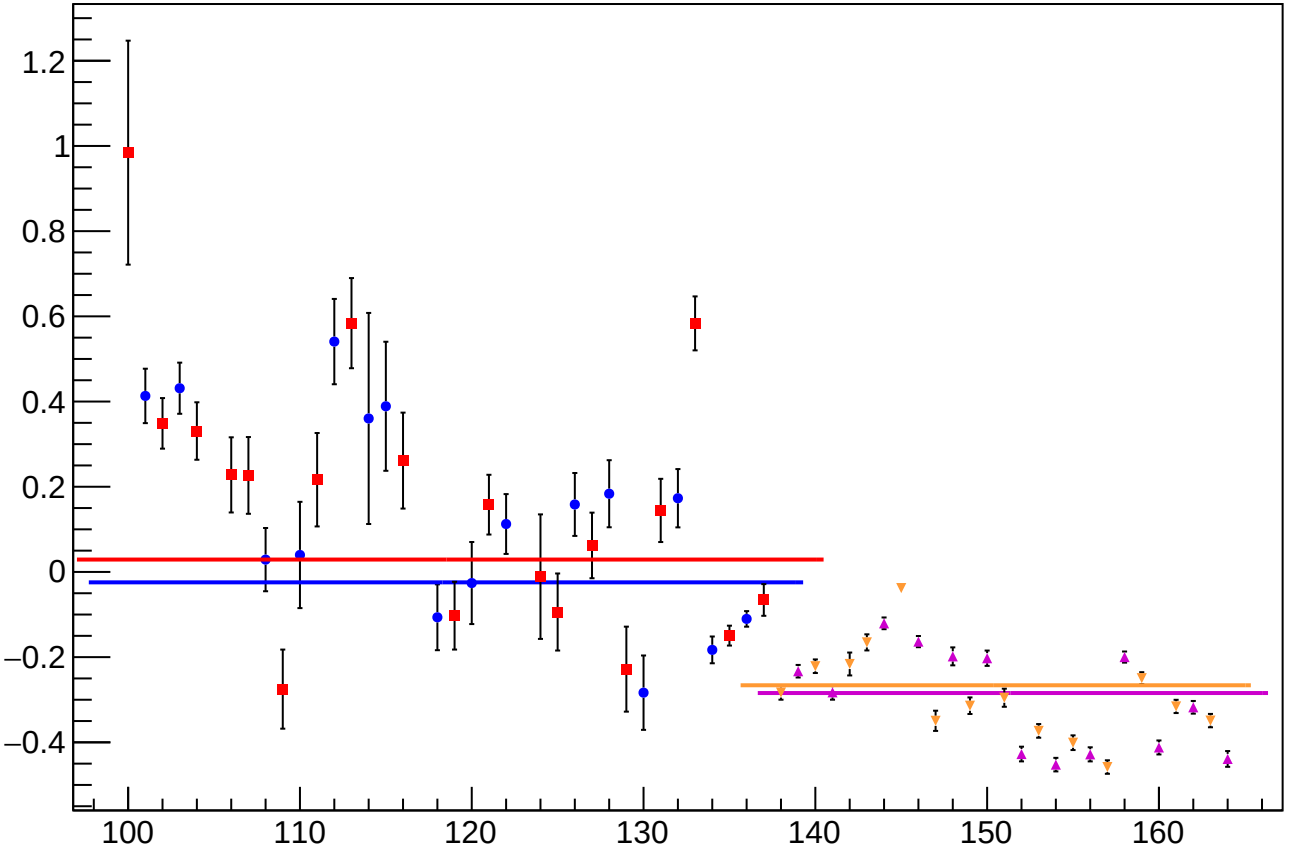
Left In: 43.978+/-0.096 χ^2/NDF:3646.4/12

+ sign 46.799+/-0.090 χ^2/NDF: 4939.1/29

All: 46.034+/-0.063 χ^2/NDF: 11572.9/61

- 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:800.9/13

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

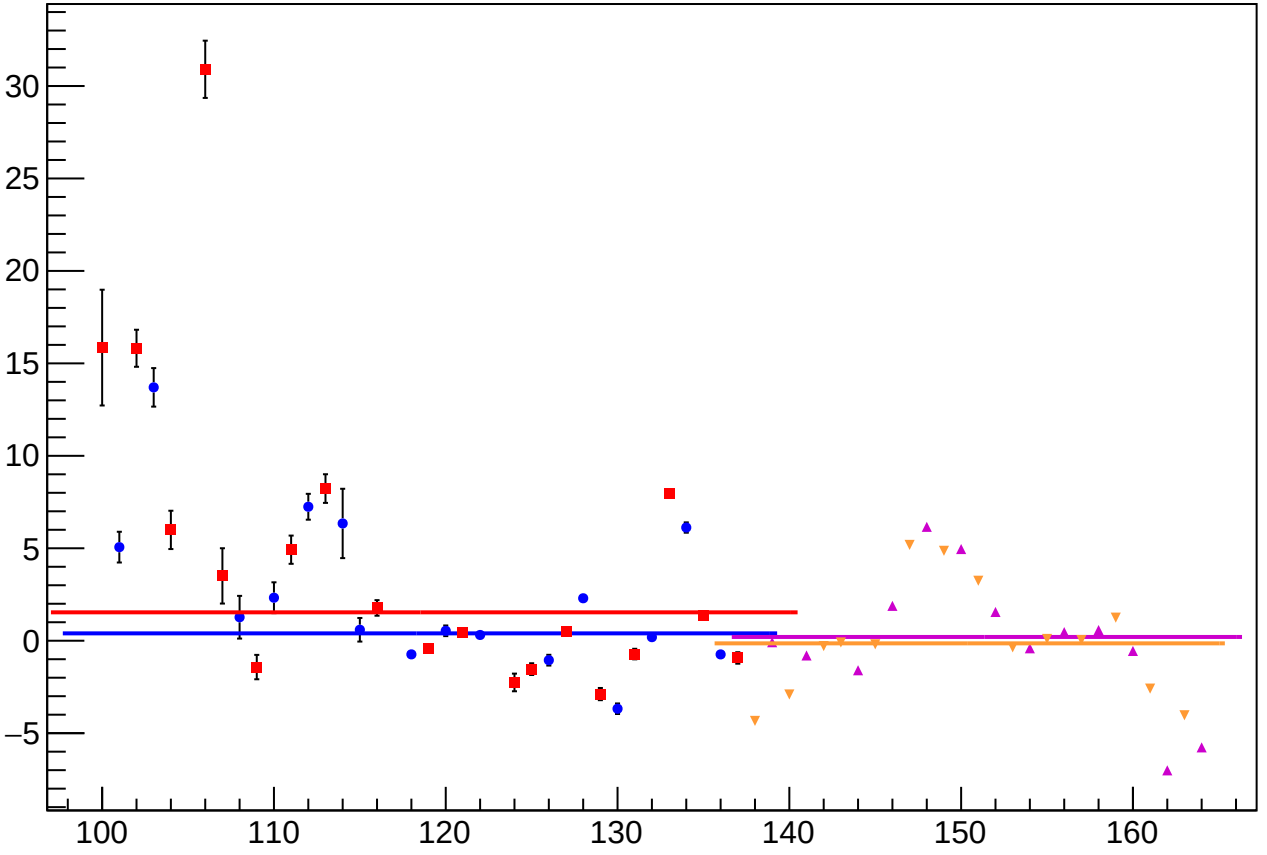
Left In: -0.284+/-0.004 χ^2/NDF:708.2/12

+ sign -0.240+/-0.004 χ^2/NDF: 1348.8/29

All: -0.249+/-0.003 χ^2/NDF: 2783.6/61

- 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: -0.142+/-0.044 χ^2/NDF:3848.2/13

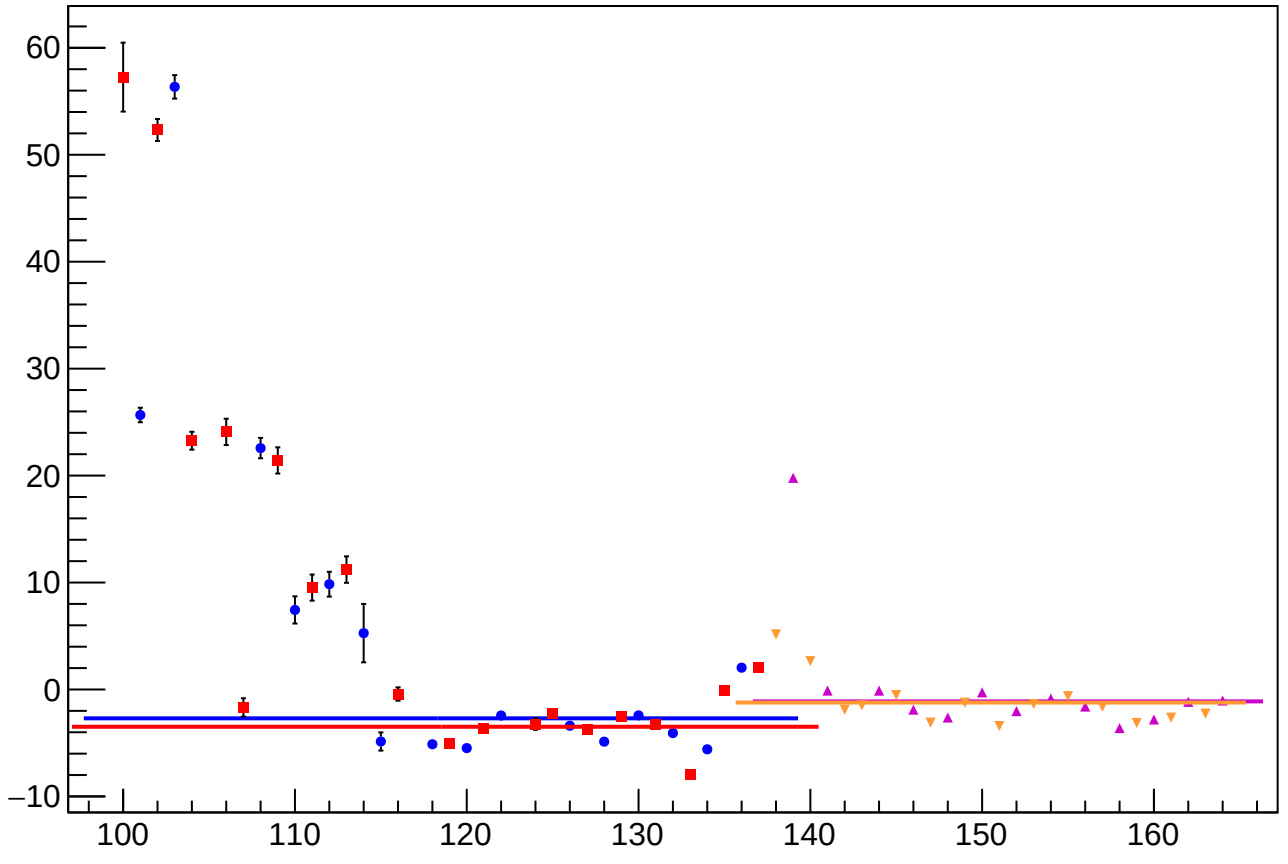
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.204+/-0.044 χ^2/NDF:4841.1/12

+ sign -0.007+/-0.038 χ^2/NDF: 4982.4/29

All: 0.260+/-0.027 χ^2/NDF: 12550.8/61

- 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: -1.221+/-0.031 χ^2/NDF:4171.5/13

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

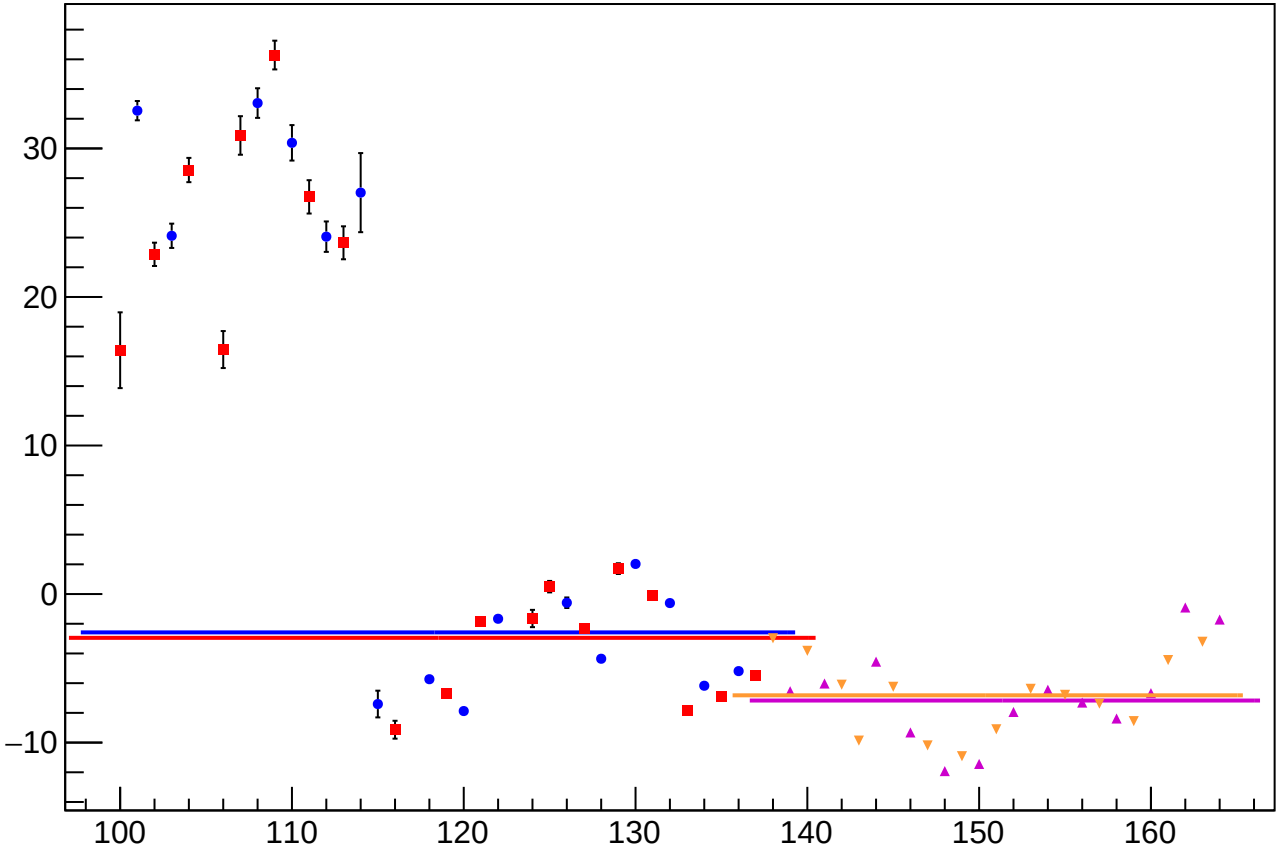
Left In: -1.113+/-0.031 χ^2/NDF:8064.0/12

+ sign -1.463+/-0.029 χ^2/NDF: 11640.3/29

All: -1.478+/-0.020 χ^2/NDF: 27806.2/61

- sign -1.493+/-0.028 χ^2/NDF: 16165.4/31

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.818+/-0.044 χ^2/NDF:3367.9/13

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

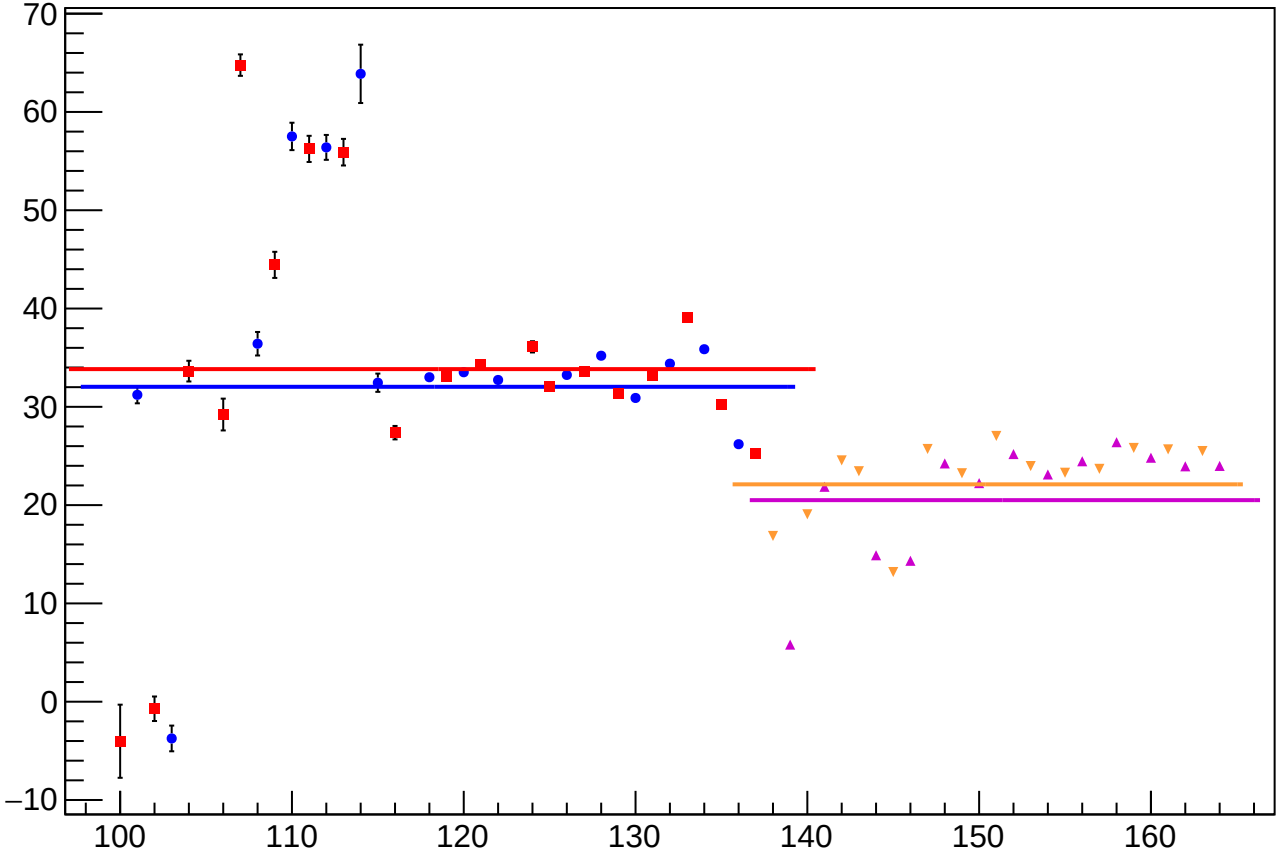
Left In: -7.170+/-0.043 χ^2/NDF:4607.4/12

+ sign -5.902+/-0.039 χ^2/NDF: 13565.2/29

All: -6.106+/-0.027 χ^2/NDF: 28389.6/61

- 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: 22.114+/-0.037 χ^2/NDF:15467.3/13

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

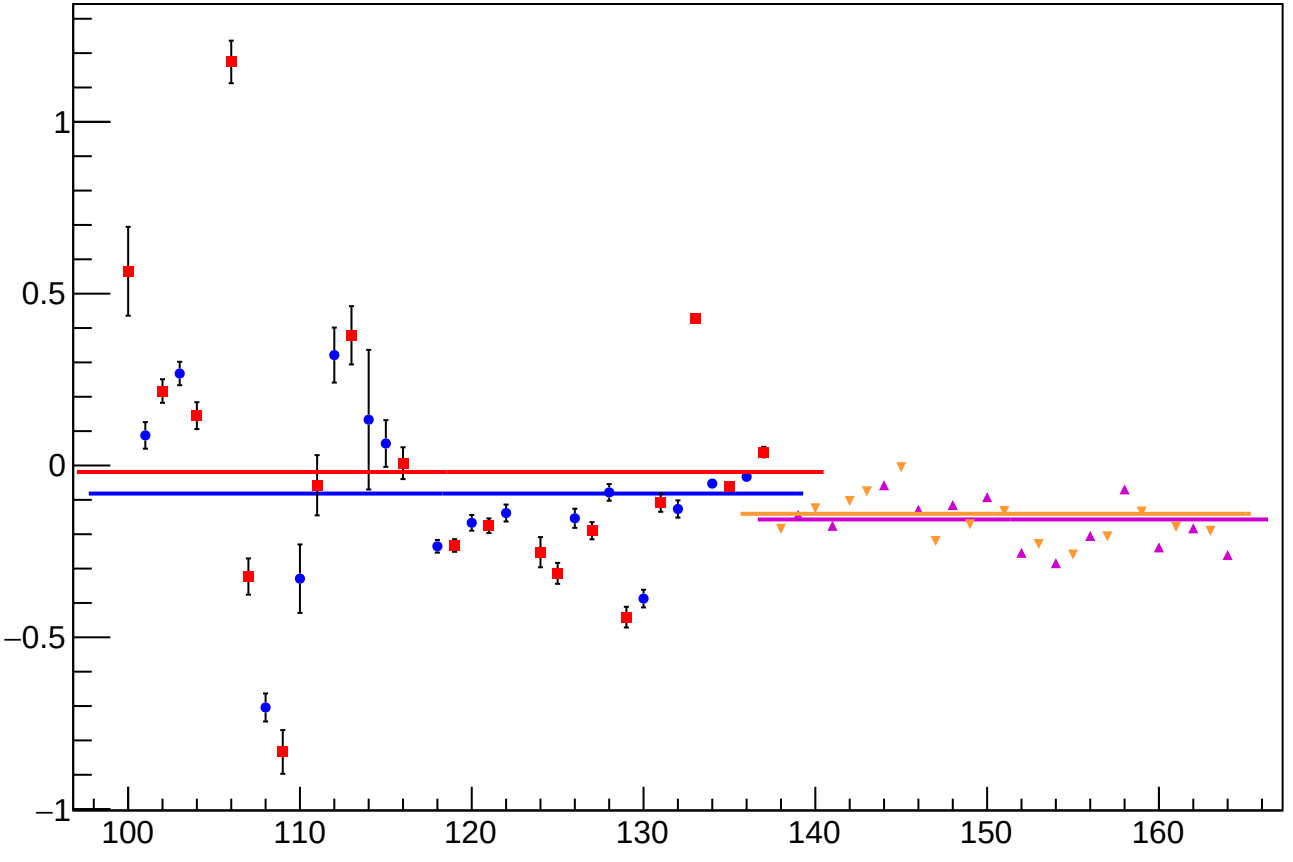
Left In: 20.506+/-0.036 χ^2/NDF:18990.0/12

+ sign 23.794+/-0.033 χ^2/NDF: 31104.1/29

All: 23.239+/-0.024 χ^2/NDF: 77172.4/61

- 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: -0.141+/-0.002 χ^2/NDF:2143.8/13

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

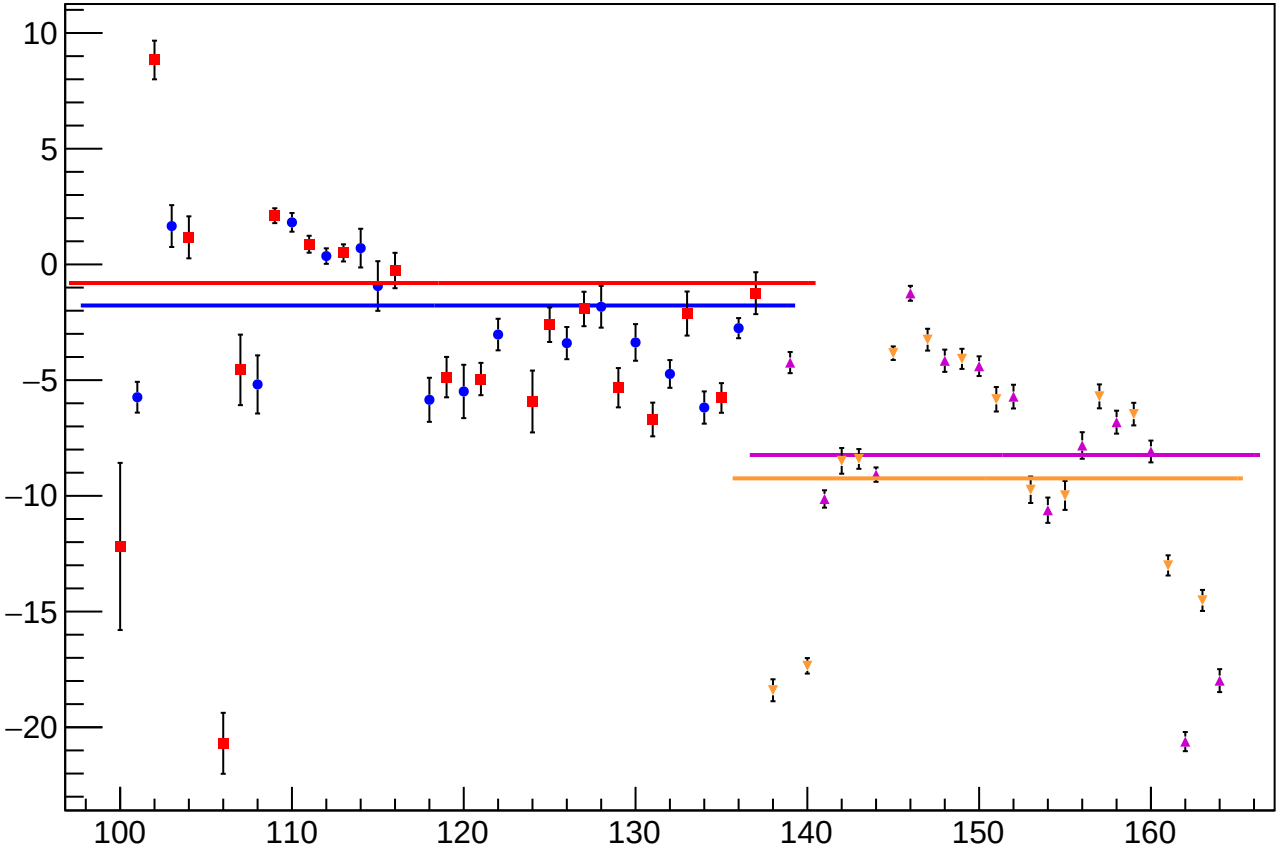
Left In: -0.157+/-0.002 χ^2/NDF:1829.0/12

+ sign -0.134+/-0.002 χ^2/NDF: 2965.5/29

All: -0.139+/-0.001 χ^2/NDF: 7728.5/61

- sign -0.144+/-0.002 χ^2/NDF: 4742.7/31

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.245+/-0.119 χ^2/NDF:1936.1/13

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

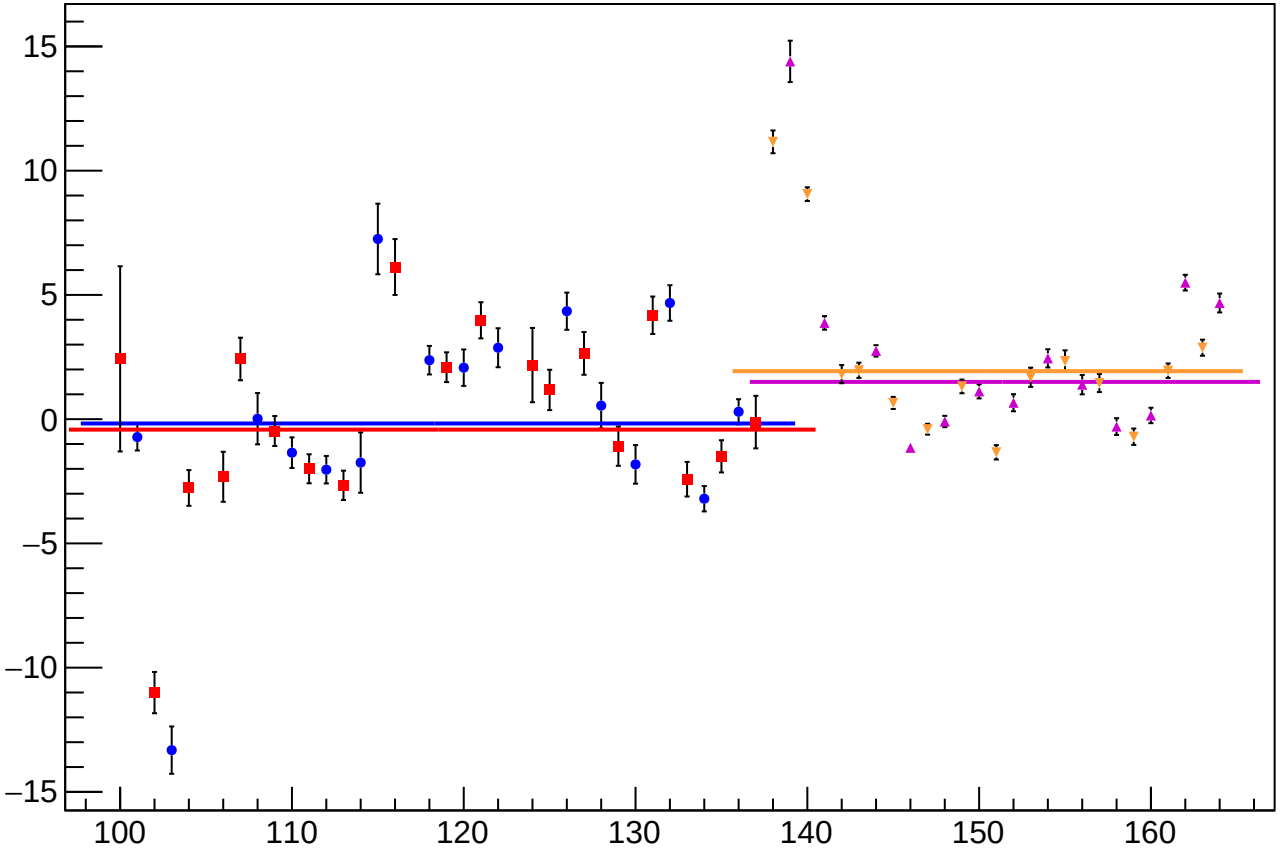
Left In: -8.234+/-0.119 χ^2/NDF:2066.9/12

+ sign -6.524+/-0.095 χ^2/NDF: 3670.7/29

All: -5.909+/-0.066 χ^2/NDF: 8079.3/61

- 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: 1.932+/-0.082 χ^2/NDF:1418.3/13

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

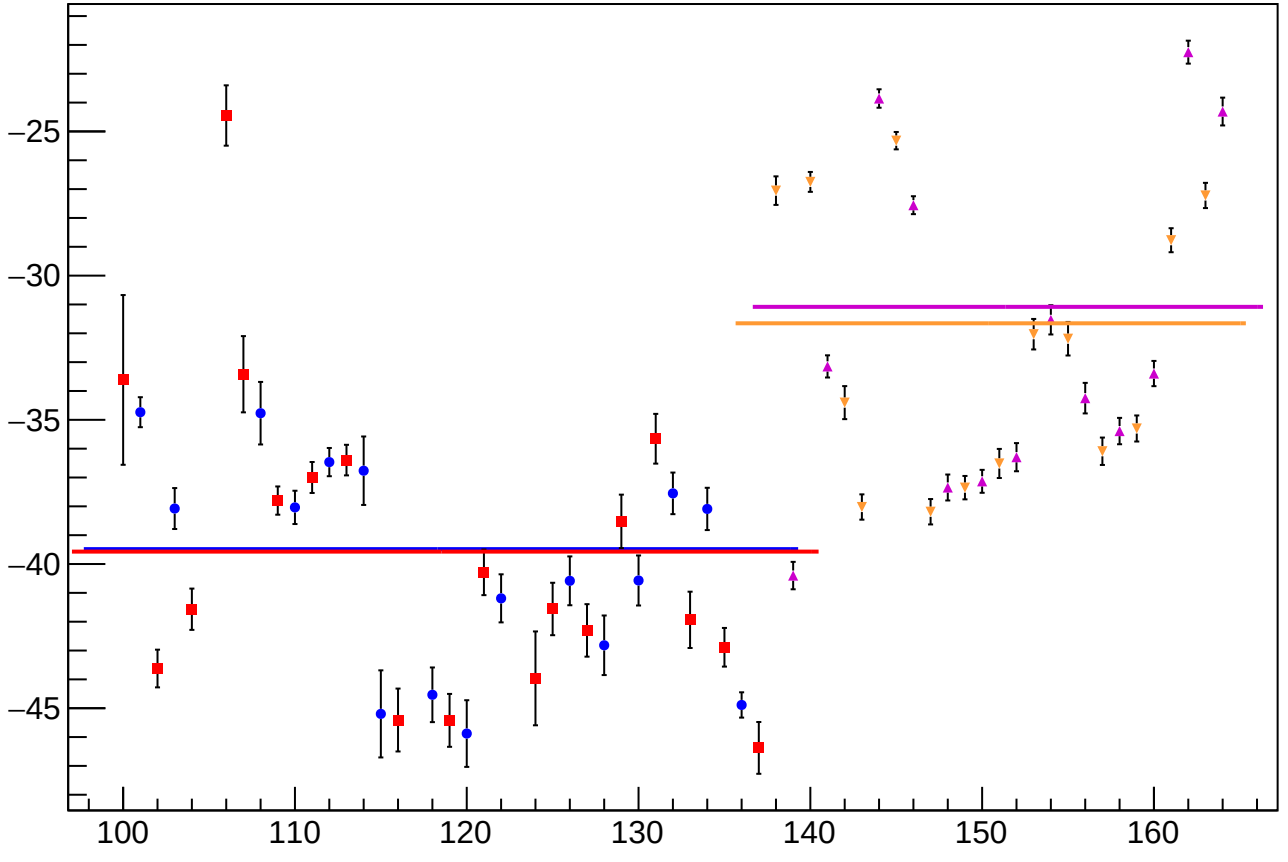
Left In: 1.500+/-0.082 χ^2/NDF:871.3/12

+ sign 1.547+/-0.074 χ^2/NDF: 1942.5/29

All: 1.356+/-0.052 χ^2/NDF: 3290.4/61

- 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: -31.653+/-0.116 χ^2/NDF:1778.5/13

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

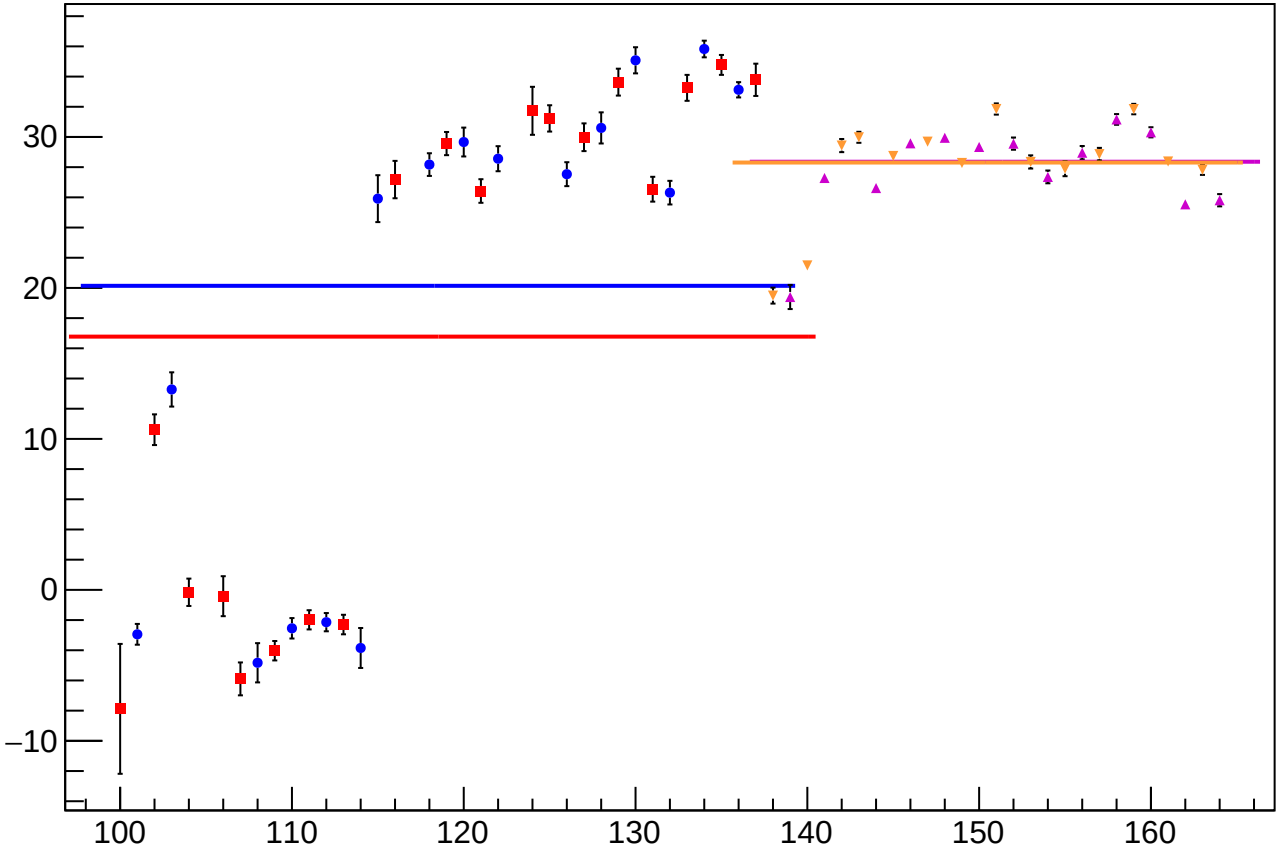
Left In: -31.083+/-0.116 χ^2/NDF:2433.9/12

+ sign -33.959+/-0.098 χ^2/NDF: 3519.6/29

All: -33.749+/-0.069 χ^2/NDF: 8078.3/61

- 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: 28.307+/-0.096 χ^2/NDF:949.6/13

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

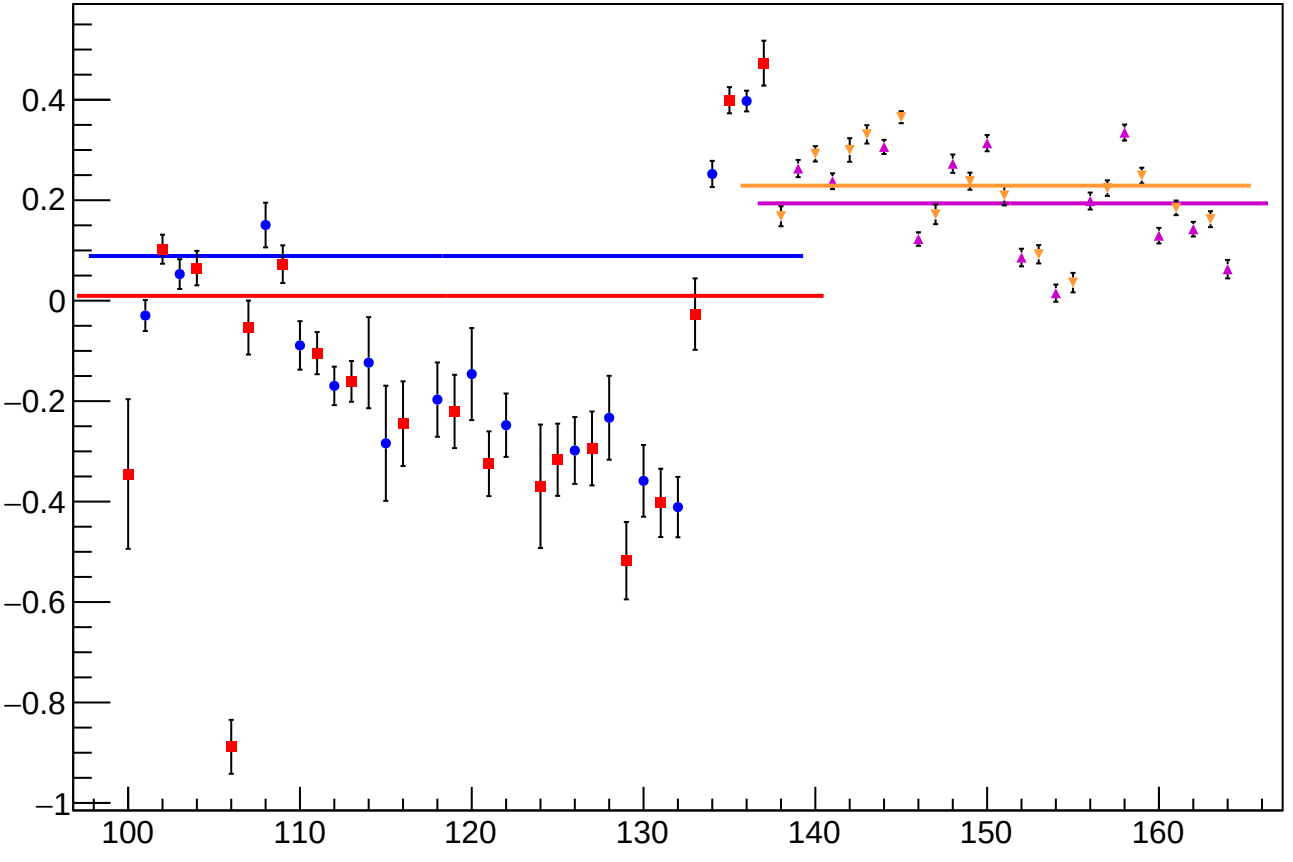
Left In: 28.360+/-0.095 χ^2/NDF:463.2/12

+ sign 26.707+/-0.086 χ^2/NDF: 9048.9/29

All: 26.458+/-0.061 χ^2/NDF: 19008.1/61

- sign 26.209+/-0.086 χ^2/NDF: 9942.4/31

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.229+/-0.004 χ^2/NDF:390.9/13

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

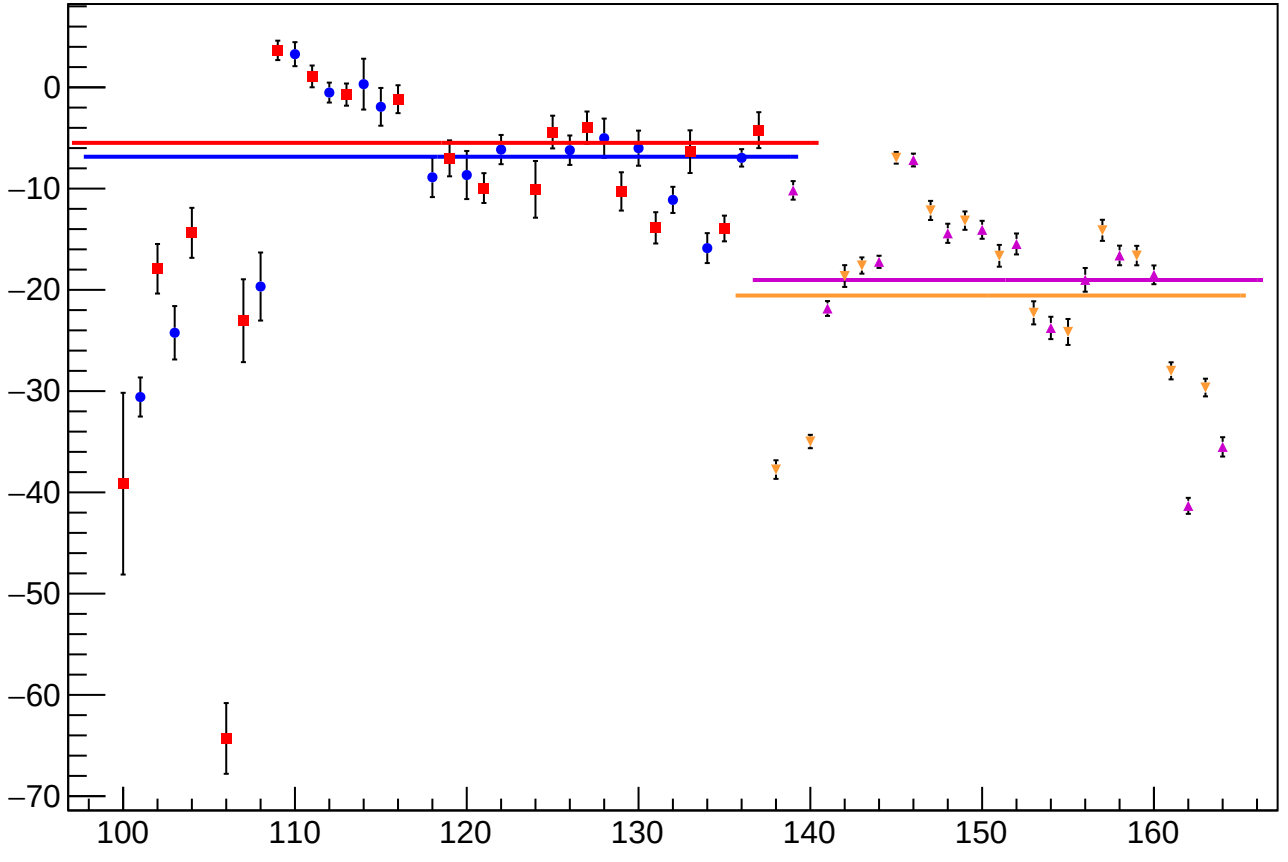
Left In: 0.194+/-0.004 χ^2/NDF:494.8/12

+ sign 0.207+/-0.004 χ^2/NDF: 1107.5/29

All: 0.188+/-0.003 χ^2/NDF: 2722.5/61

- sign 0.168+/-0.004 χ^2/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: -20.560+/-0.234 χ^2/NDF:1810.0/13

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

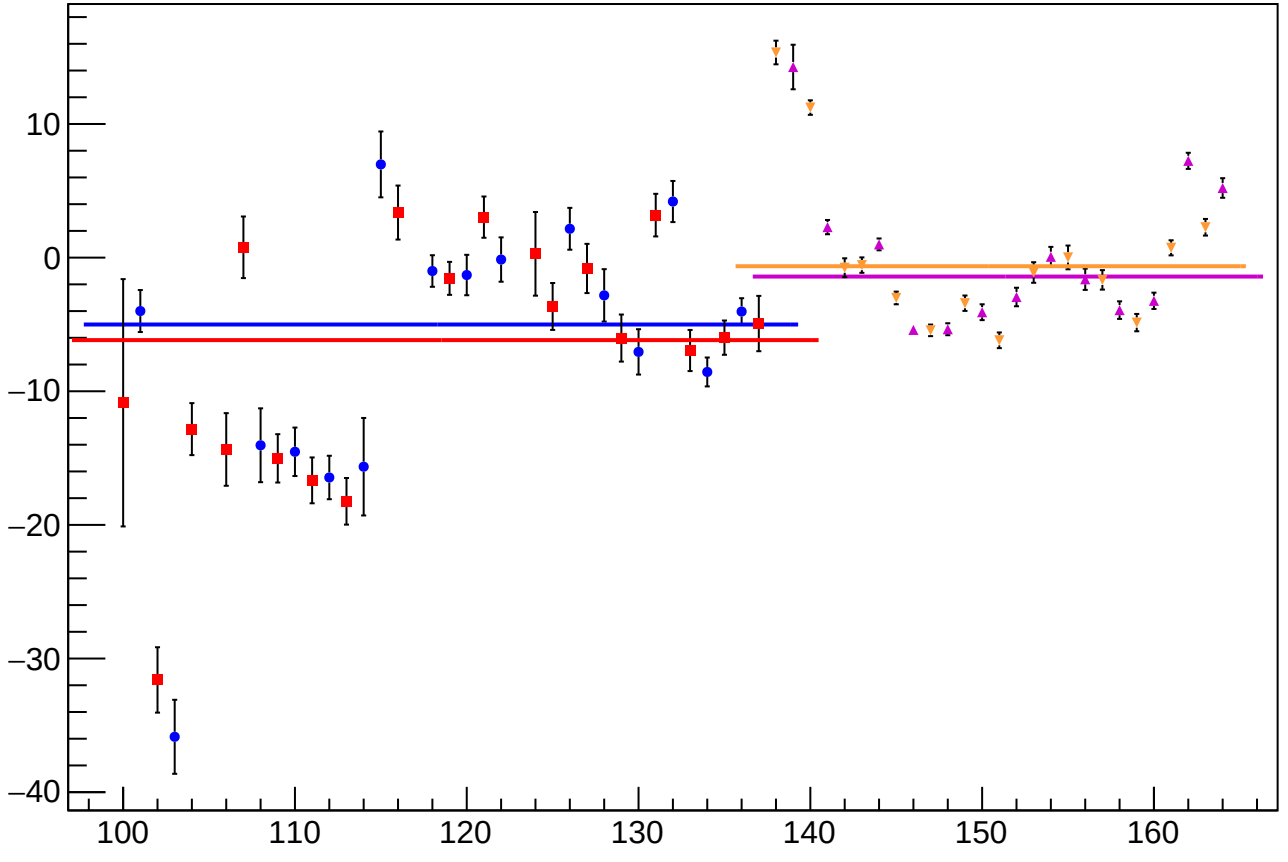
Left In: -19.027+/-0.235 χ^2/NDF:1652.3/12

+ sign -16.718+/-0.199 χ^2/NDF: 3158.5/29

All: -15.915+/-0.140 χ^2/NDF: 6408.2/61

- 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: -0.644+/-0.162 χ^2/NDF:1135.4/13

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

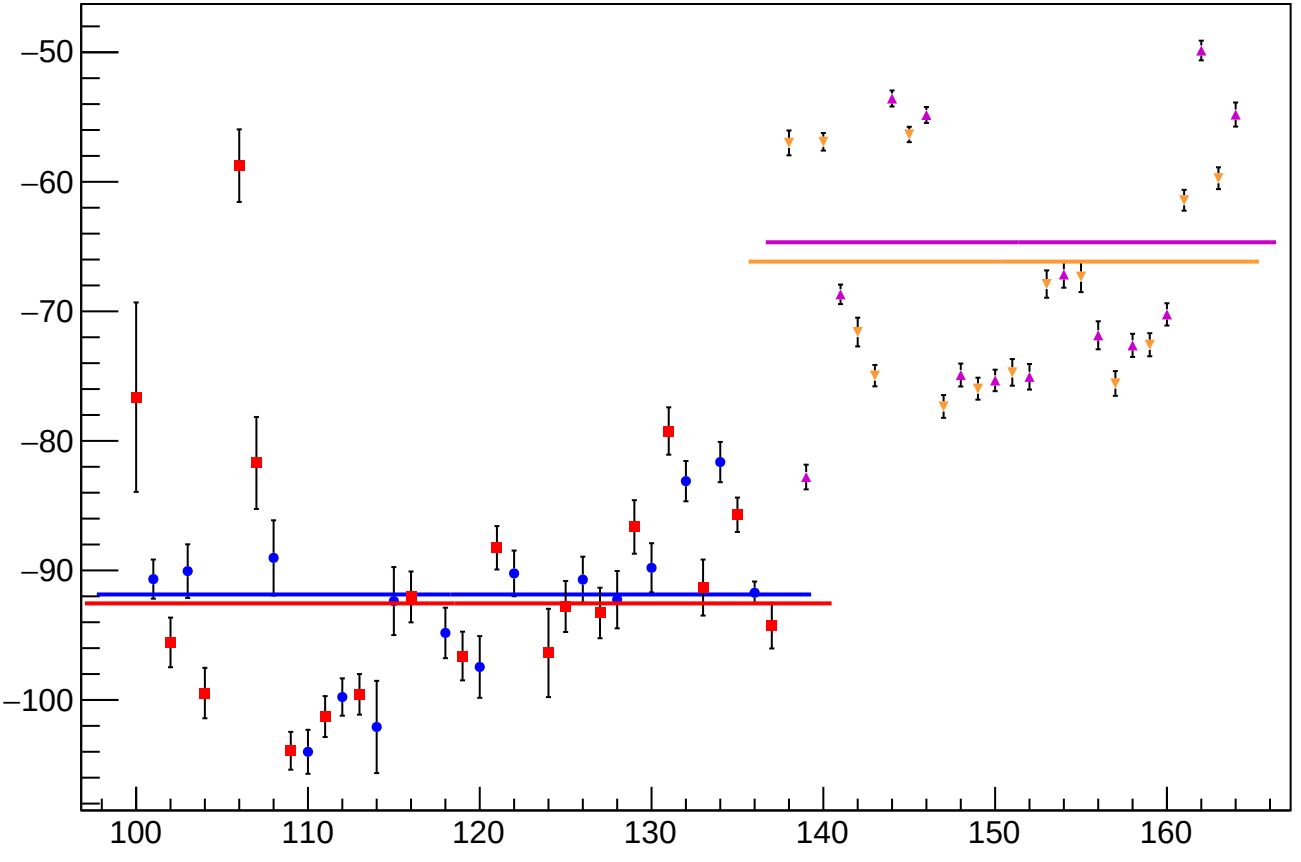
Left In: -1.417+/-0.160 χ^2/NDF:696.8/12

+ sign -1.269+/-0.150 χ^2/NDF: 1581.4/29

All: -1.650+/-0.106 χ^2/NDF: 2773.8/61

- sign -2.030+/-0.150 χ^2/NDF: 1179.5/31

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.160+/-0.230 χ^2/NDF:1299.3/13

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

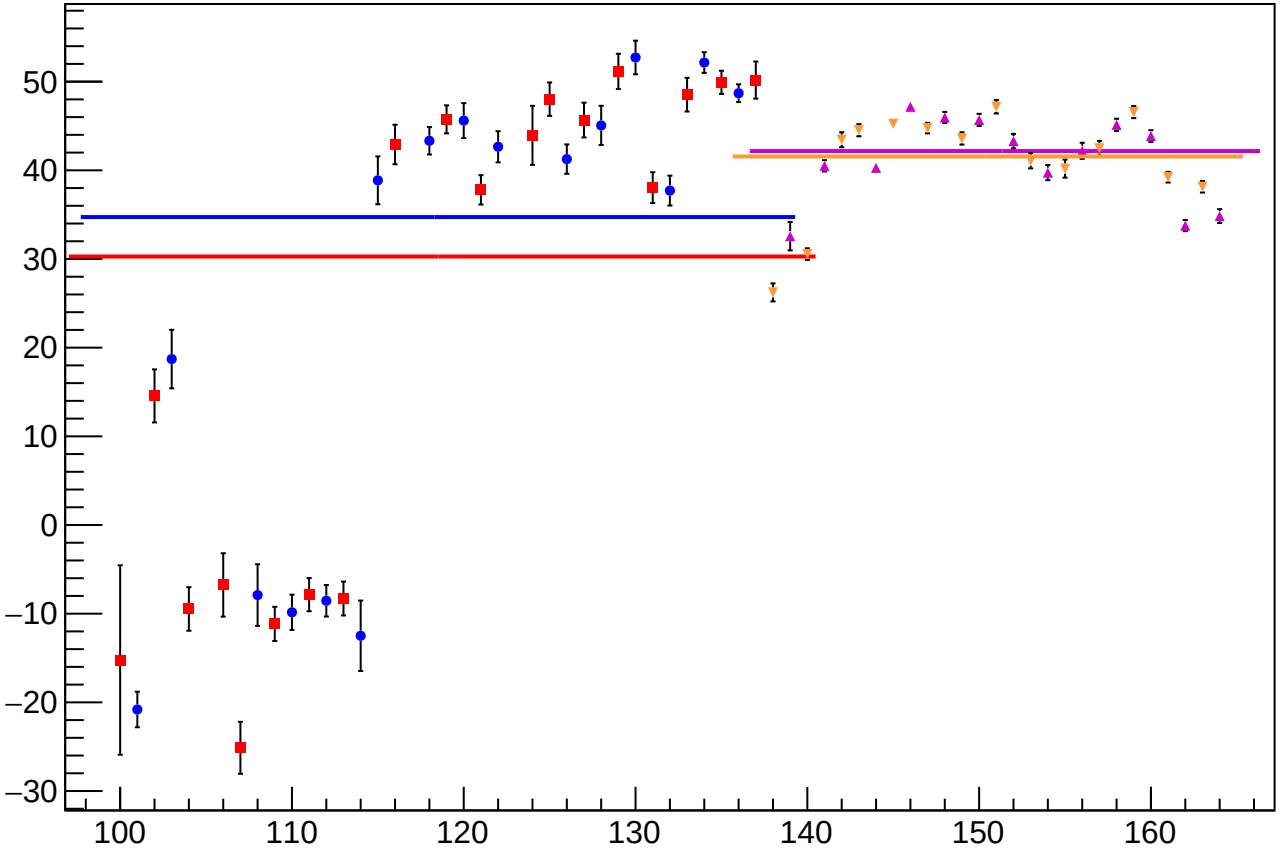
Left In: -64.666+/-0.228 χ^2/NDF:2043.9/12

+ sign -71.996+/-0.202 χ^2/NDF: 4314.6/29

All: -71.294+/-0.143 χ^2/NDF: 9942.6/61

- 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: 41.559+/-0.190 χ^2/NDF:770.4/13

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

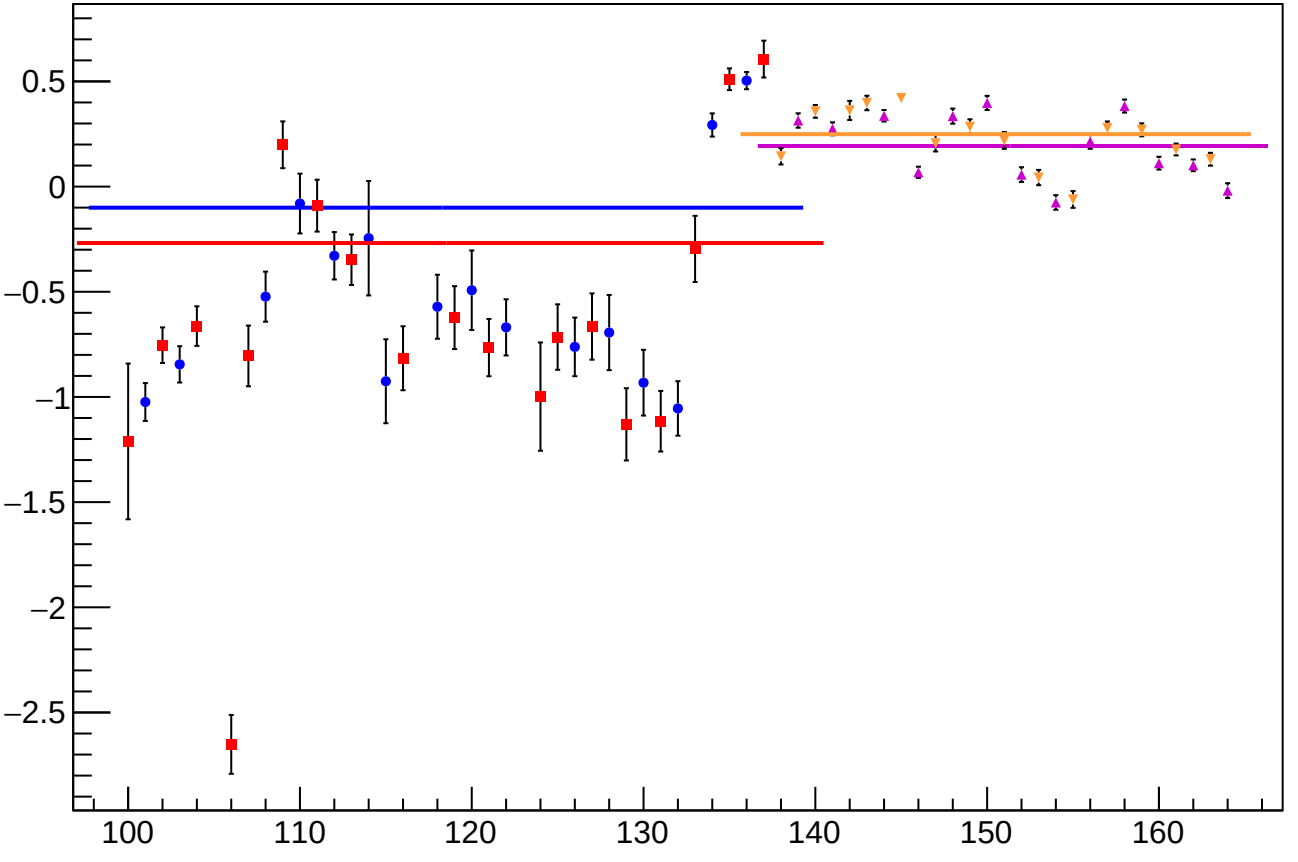
Left In: 42.172+/-0.188 χ^2/NDF:533.4/12

+ sign 40.498+/-0.174 χ^2/NDF: 3781.2/29

All: 40.508+/-0.123 χ^2/NDF: 7783.9/61

- 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: 0.249+/-0.009 χ^2/NDF:217.5/13

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

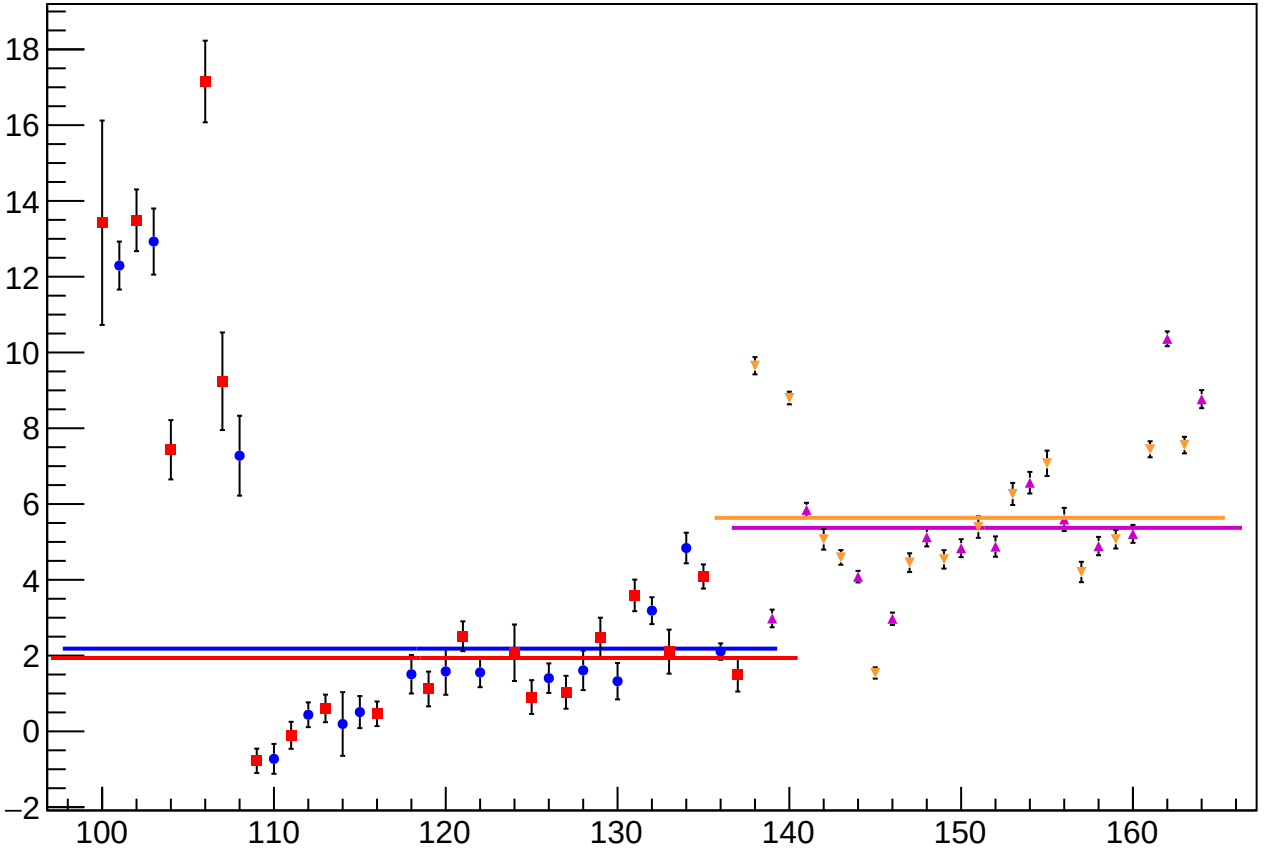
Left In: 0.193+/-0.009 χ^2/NDF:288.4/12

+ sign 0.208+/-0.008 χ^2/NDF: 1035.3/29

All: 0.177+/-0.006 χ^2/NDF: 2448.7/61

- 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: 5.636+/-0.060 χ^2/NDF:1710.4/13

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

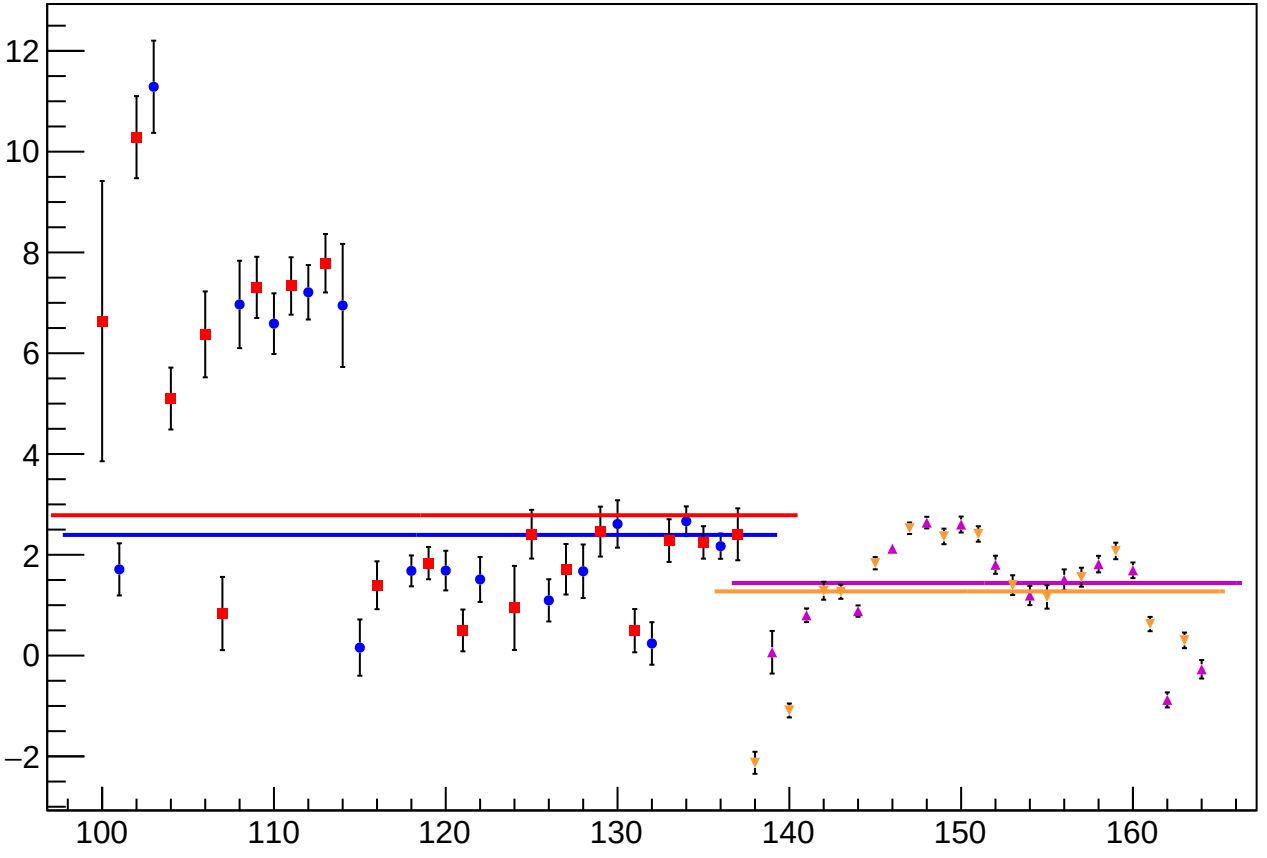
Left In: 5.371+/-0.060 χ^2/NDF:1283.6/12

\+ sign 4.792+/-0.052 χ^2/NDF: 3126.6/29

All: 4.662+/-0.037 χ^2/NDF: 5941.0/61

\- sign 4.531+/-0.052 χ^2/NDF: 2801.7/31

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.274+/-0.041 χ^2/NDF:869.0/13

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

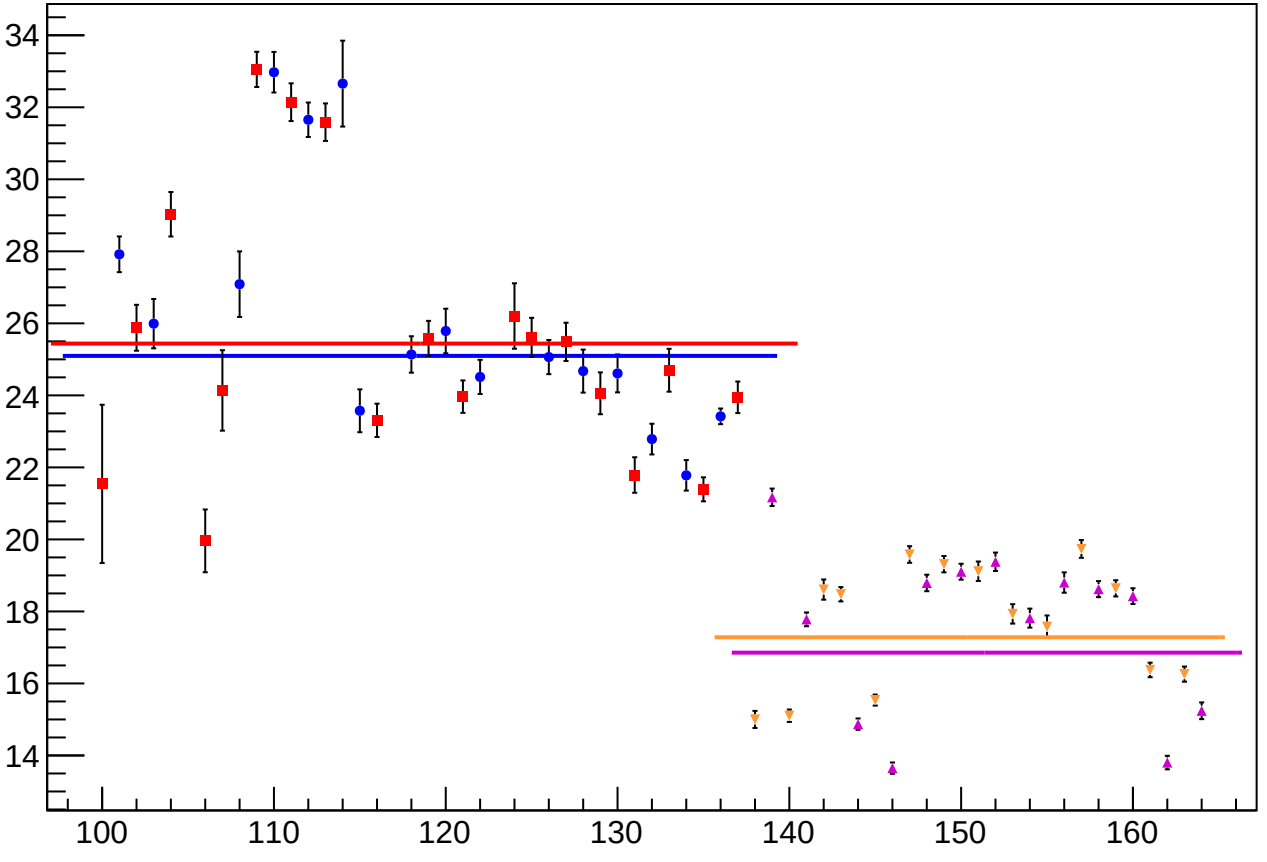
Left In: 1.441+/-0.041 χ^2/NDF:611.7/12

+ sign 1.416+/-0.039 χ^2/NDF: 1296.3/29

All: 1.503+/-0.027 χ^2/NDF: 2448.6/61

- 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: 17.282+/-0.059 χ^2/NDF:850.9/13

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

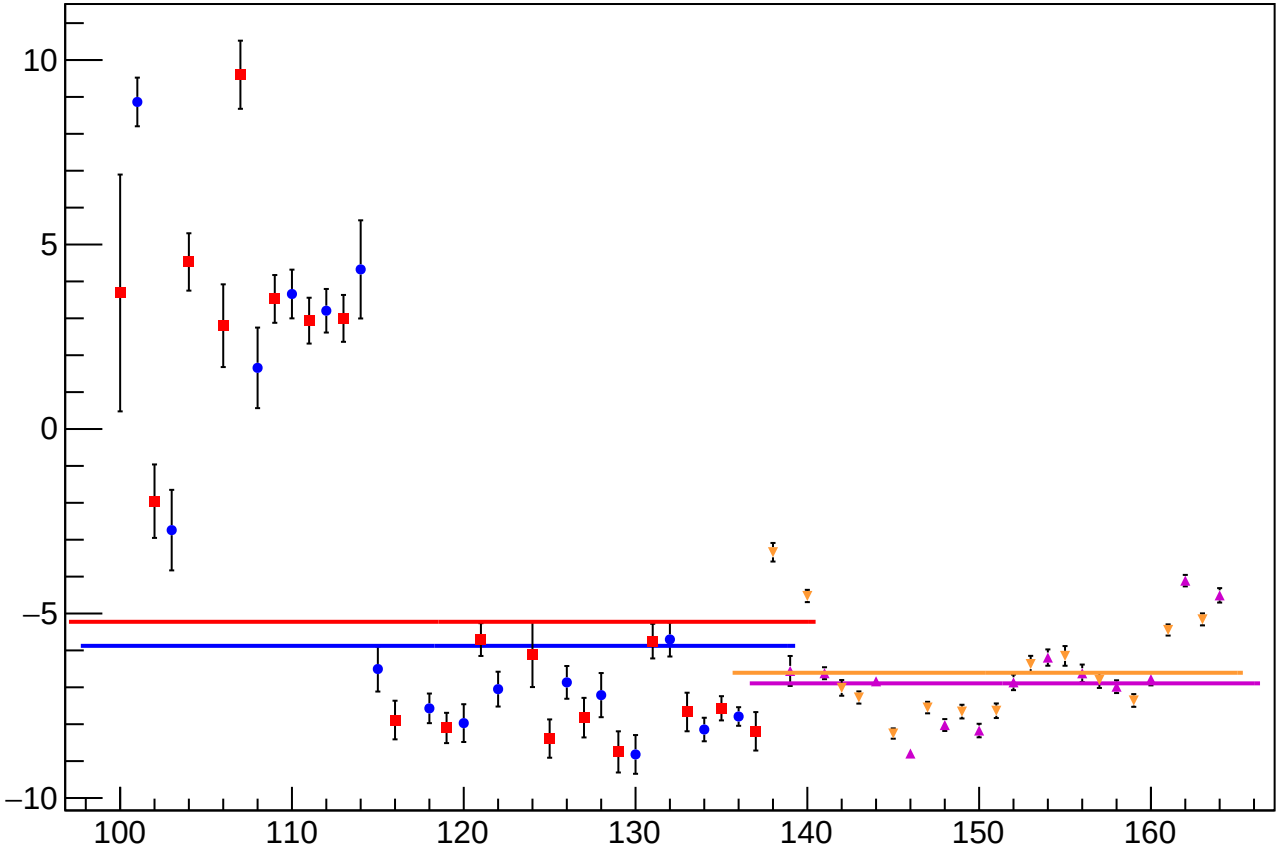
Left In: 16.855+/-0.058 χ^2/NDF:1673.3/12

+ sign 18.838+/-0.052 χ^2/NDF: 5013.8/29

All: 18.624+/-0.037 χ^2/NDF: 11520.7/61

- 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: -6.606+/-0.048 χ^2/NDF:740.0/13

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

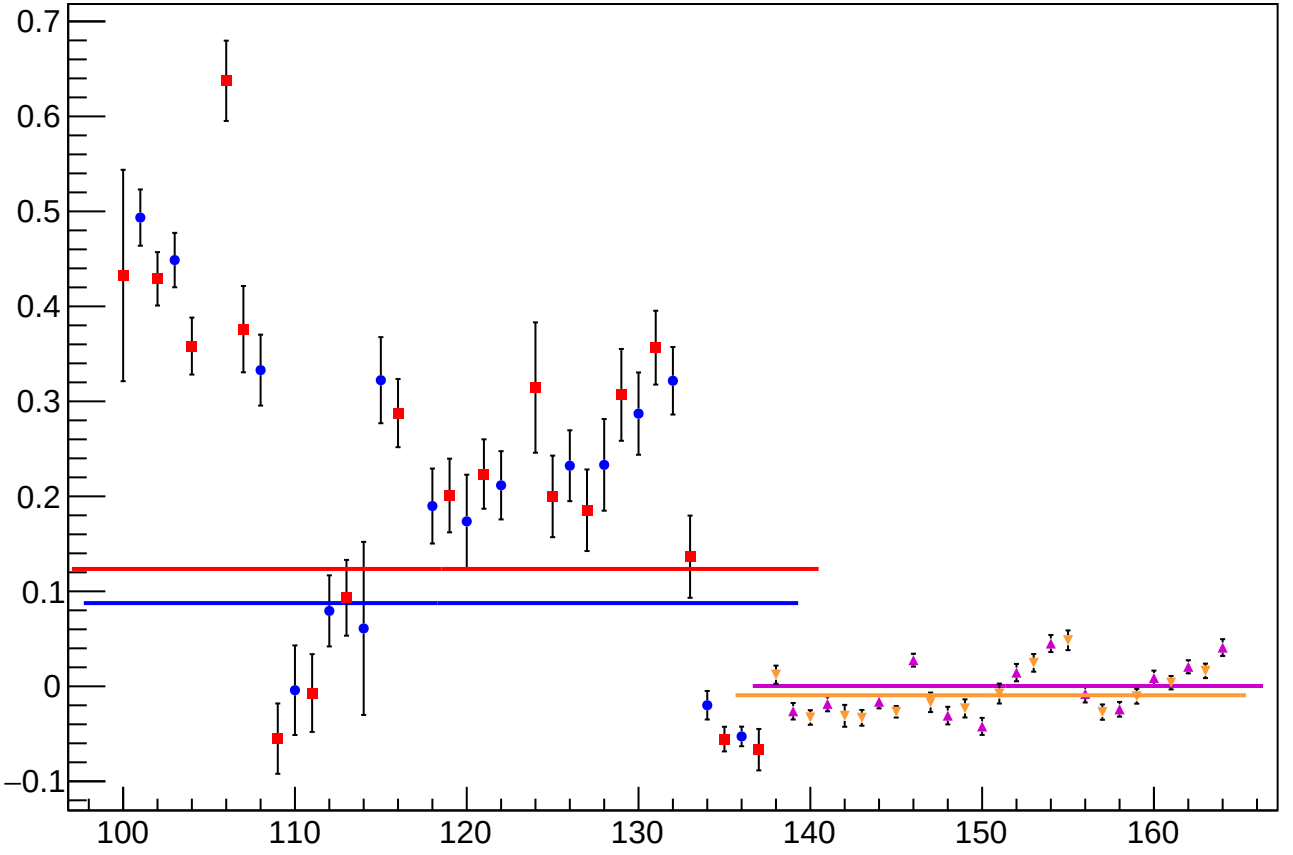
Left In: -6.893+/-0.048 χ^2/NDF:833.9/12

+ sign -6.505+/-0.045 χ^2/NDF: 2022.9/29

All: -6.598+/-0.032 χ^2/NDF: 4303.6/61

- 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: -0.009+/-0.002 χ^2/NDF:101.2/13

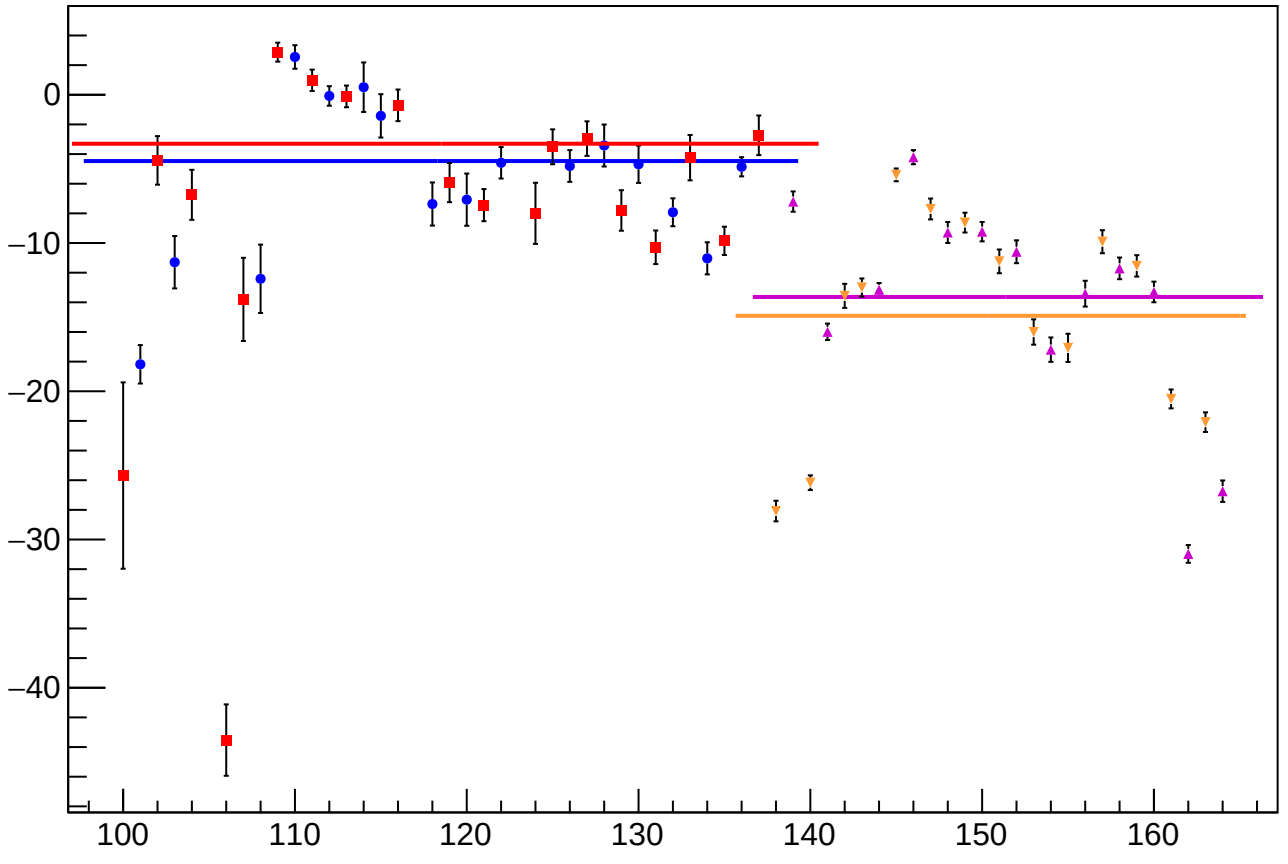
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.000+/-0.002 χ^2/NDF:139.1/12

+ sign 0.001+/-0.002 χ^2/NDF: 1063.1/29

All: 0.006+/-0.002 χ^2/NDF: 2234.3/61

- sign 0.011+/-0.002 χ^2/NDF: 1159.9/31



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.909+/-0.176 χ^2/NDF:1848.3/13

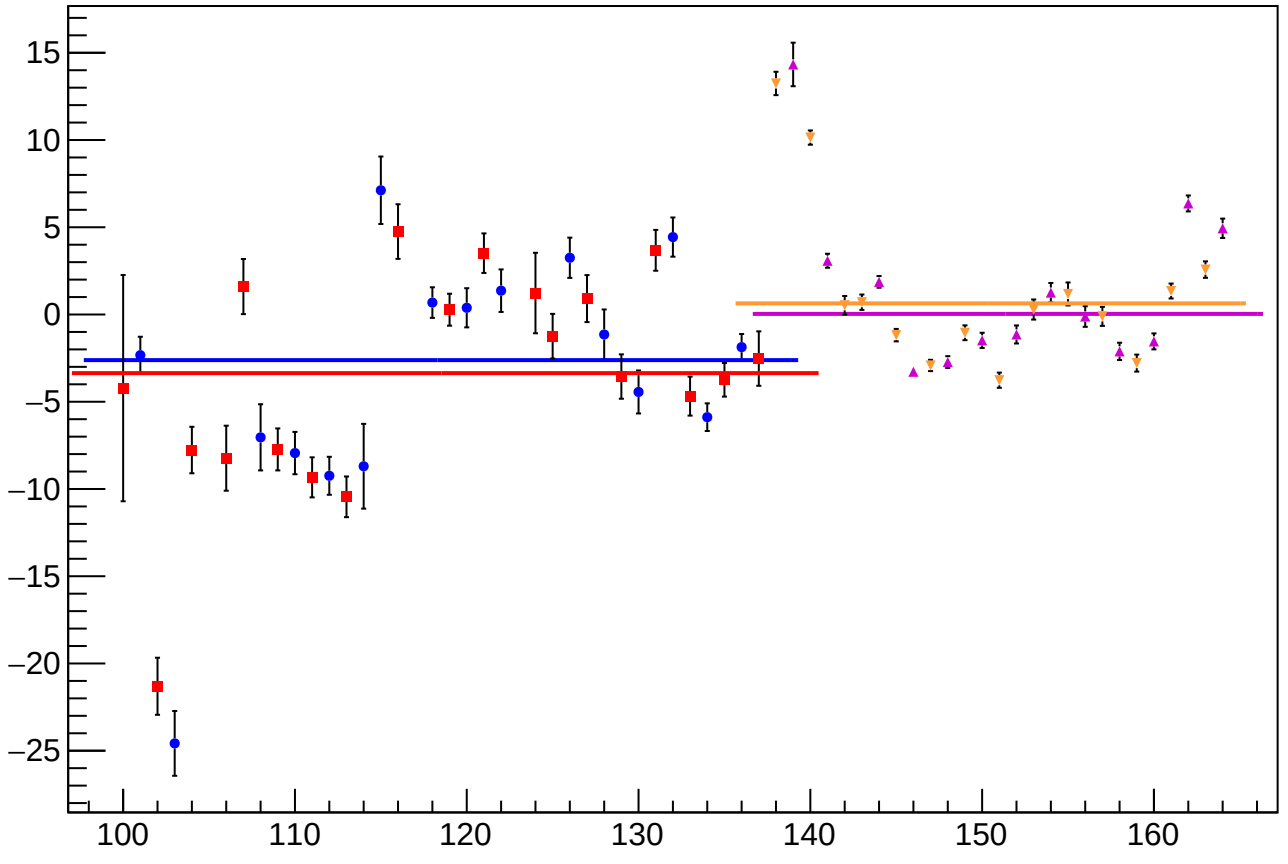
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -13.638+/-0.176 χ^2/NDF:1789.0/12

+ sign -11.770+/-0.147 χ^2/NDF: 3237.6/29

All: -11.077+/-0.104 χ^2/NDF: 6732.6/61

- 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: 0.638+/-0.121 χ^2/NDF:1229.7/13

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

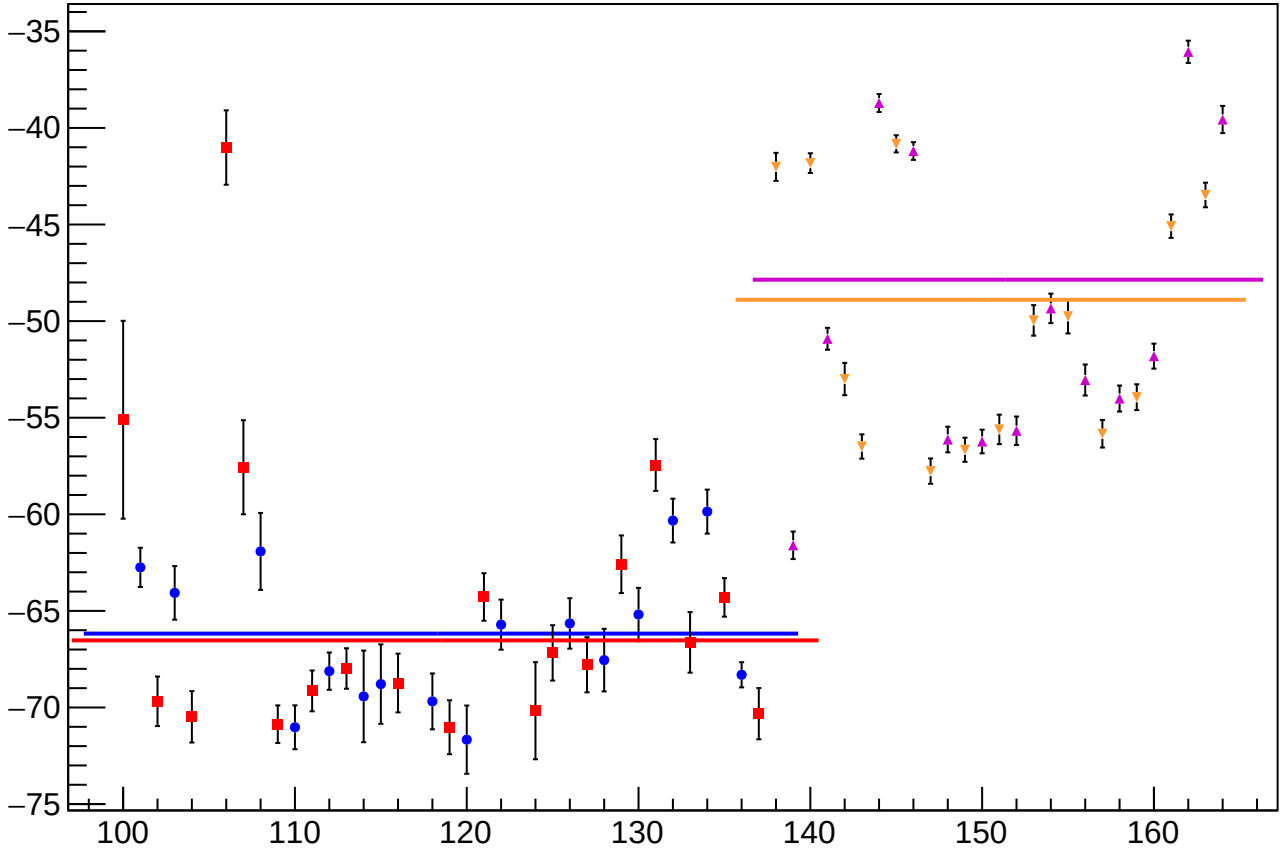
Left In: 0.035+/-0.120 χ^2/NDF:745.2/12

+ sign 0.141+/-0.112 χ^2/NDF: 1691.4/29

All: -0.149+/-0.079 χ^2/NDF: 2920.8/61

- 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: -48.896+/-0.173 χ^2/NDF:1461.5/13

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

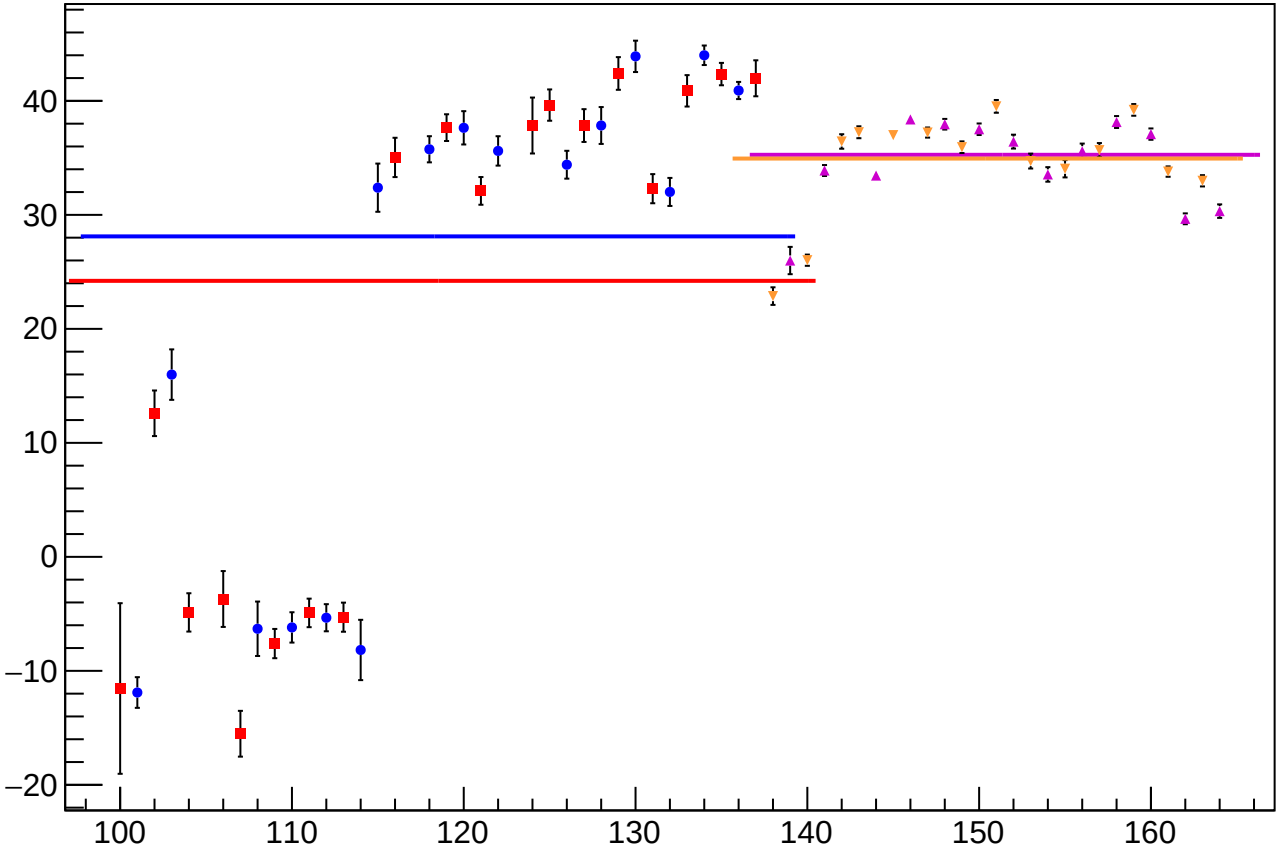
Left In: -47.855+/-0.171 χ^2/NDF:2175.9/12

+ sign -53.099+/-0.150 χ^2/NDF: 4030.5/29

All: -52.633+/-0.106 χ^2/NDF: 9293.3/61

- 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: 34.940+/-0.142 χ^2/NDF:813.7/13

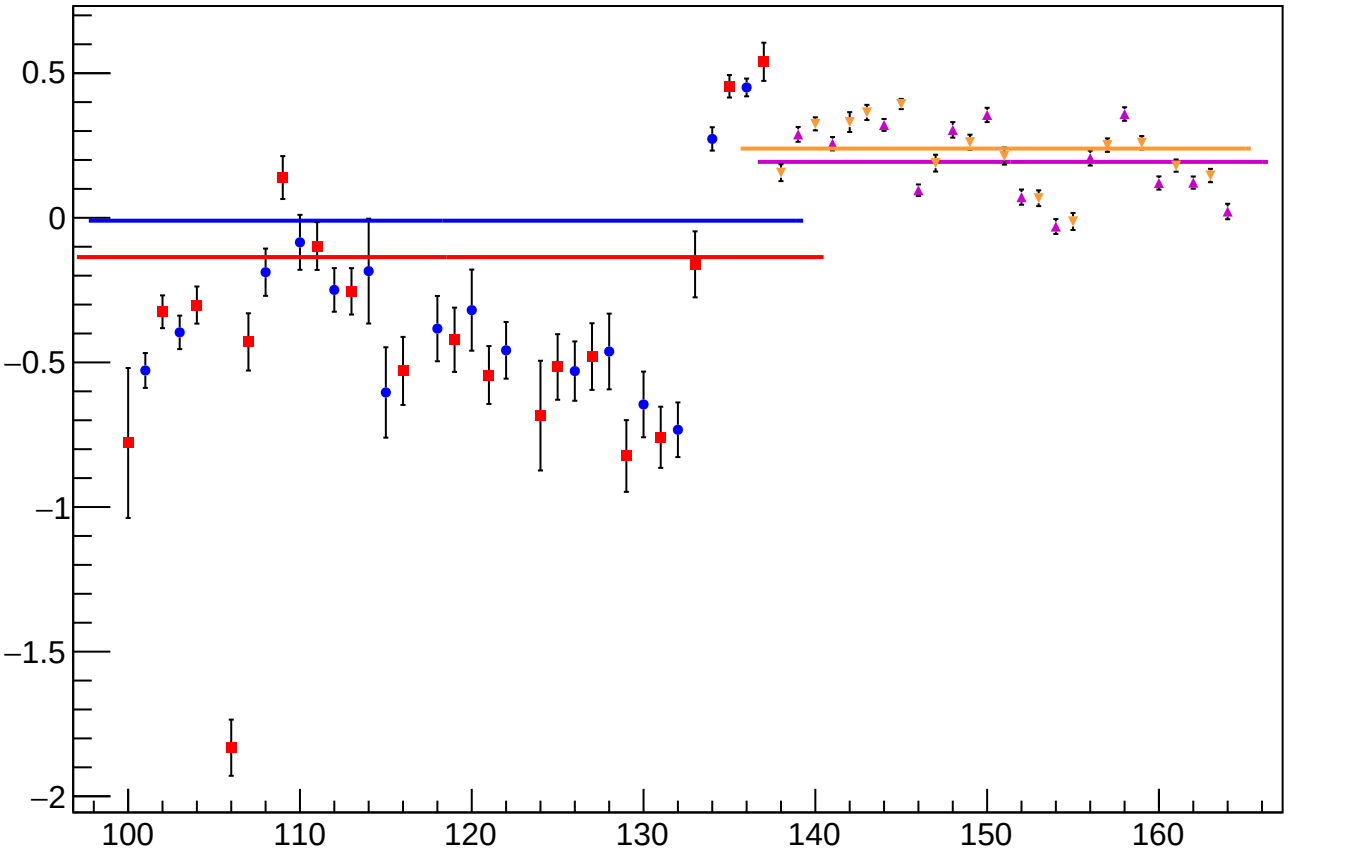
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.269+/-0.141 χ^2/NDF:482.2/12

+ sign 33.812+/-0.130 χ^2/NDF: 4921.6/29

All: 33.711+/-0.092 χ^2/NDF: 10169.2/61

- 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: 0.239+/-0.007 χ^2/NDF:270.6/13

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

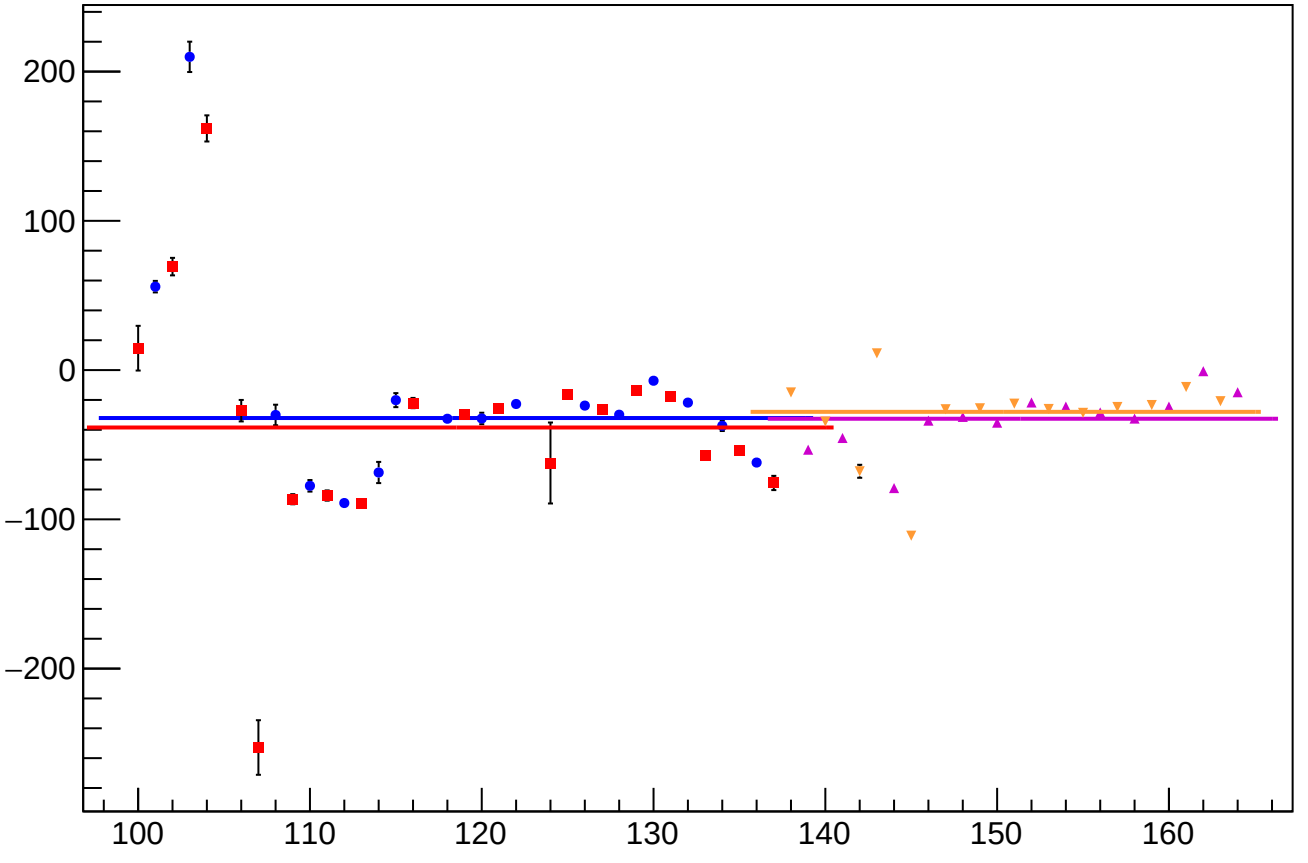
Left In: 0.193+/-0.007 χ^2/NDF:352.4/12

+ sign 0.207+/-0.006 χ^2/NDF: 1038.6/29

All: 0.183+/-0.004 χ^2/NDF: 2514.2/61

- 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: -27.975+/-0.781 χ^2/NDF:978.8/13

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

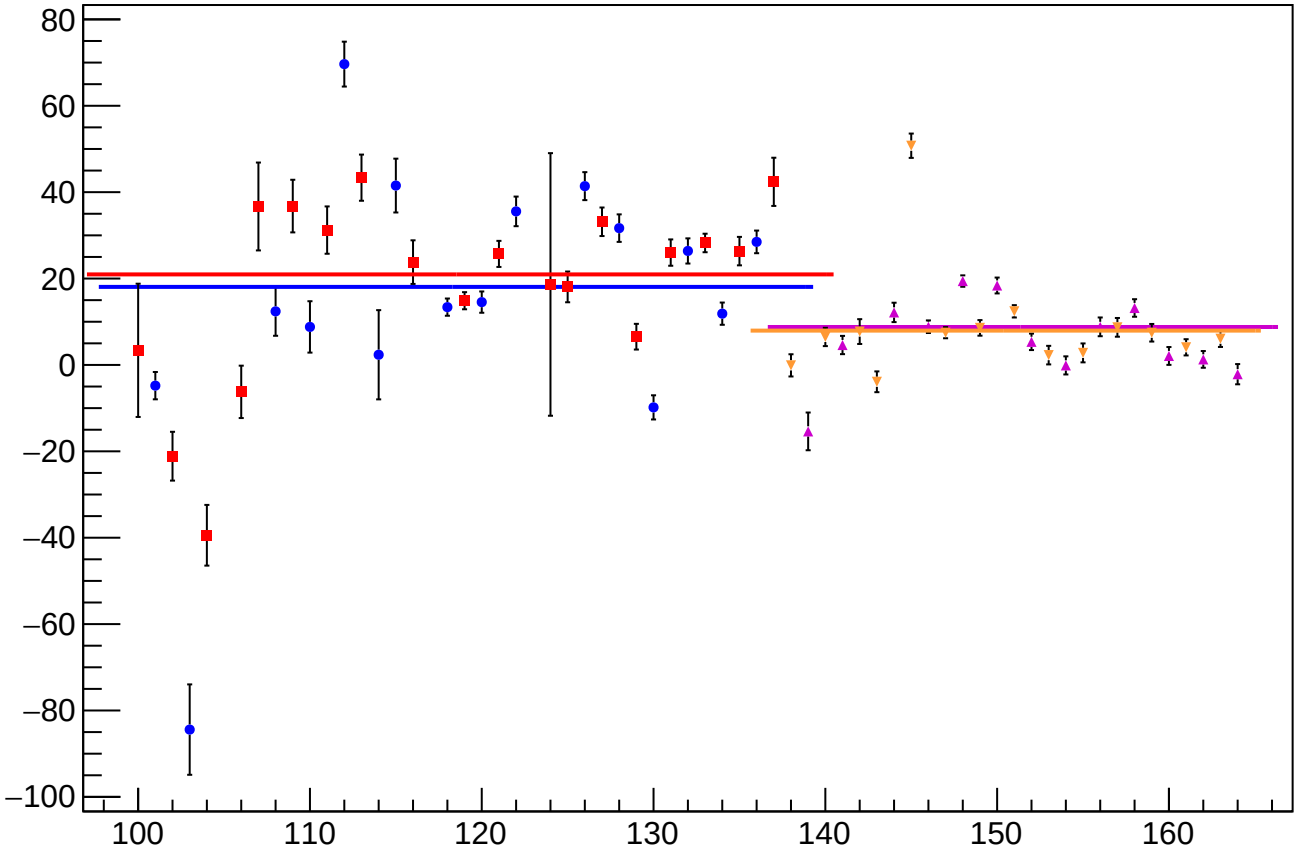
Left In: -32.601+/-0.785 χ^2/NDF:554.0/12

+ sign -29.890+/-0.573 χ^2/NDF: 2869.2/29

All: -32.532+/-0.408 χ^2/NDF: 5464.1/61

- 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: 7.947+/-0.525 χ^2/NDF:293.5/13

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

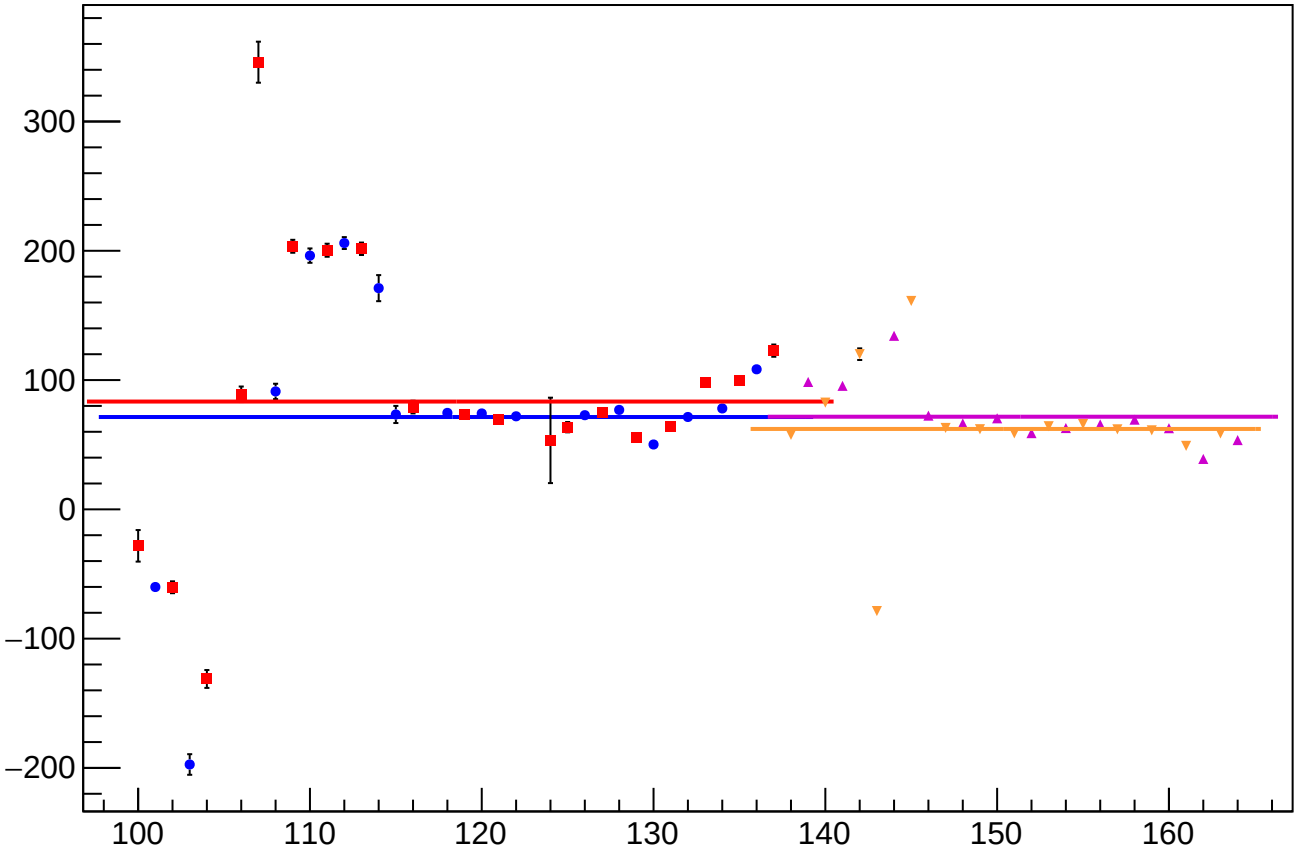
Left In: 8.785+/-0.538 χ^2/NDF:202.4/12

+ sign 10.877+/-0.443 χ^2/NDF: 900.6/29

All: 11.498+/-0.318 χ^2/NDF: 1511.7/61

- 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: 62.198+/-0.756 χ^2/NDF:2908.1/13

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

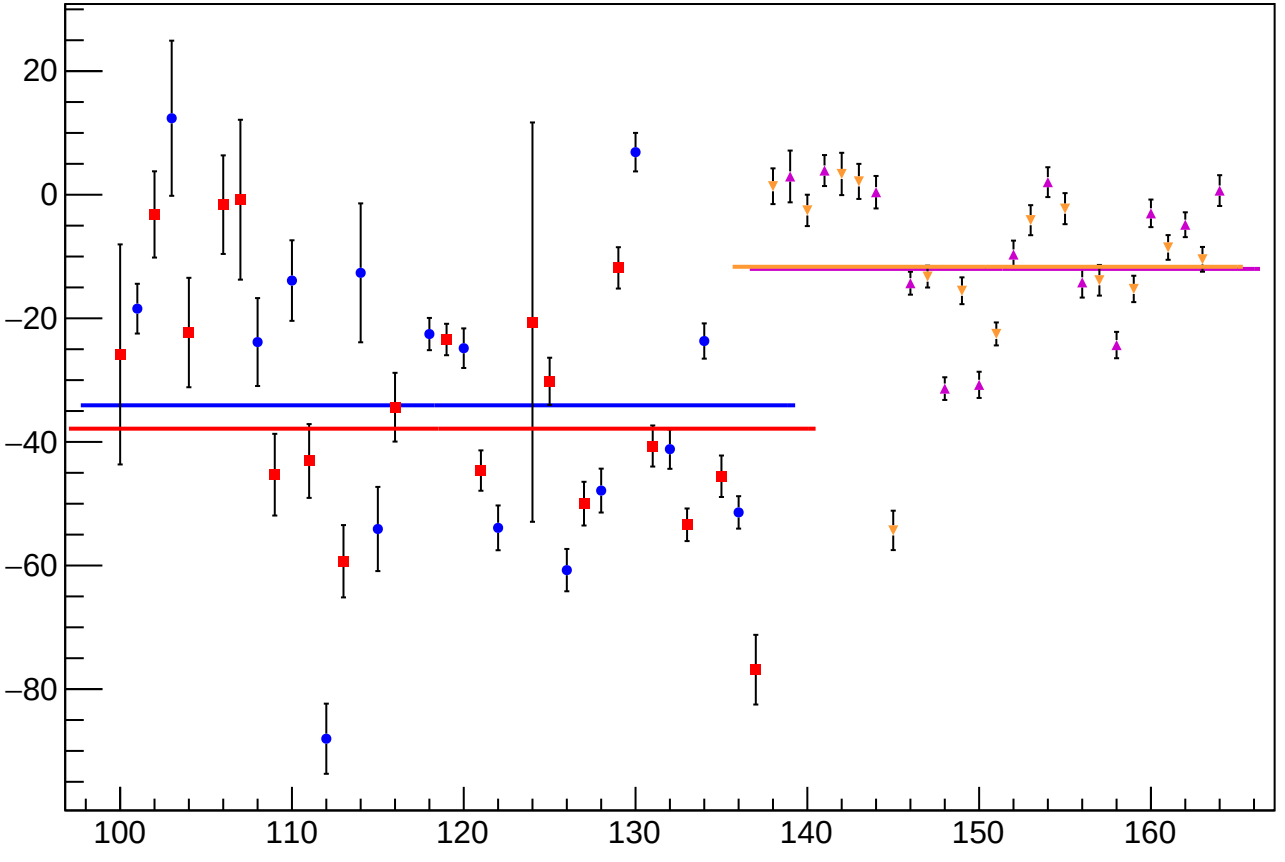
Left In: 71.652+/-0.756 χ^2/NDF:849.3/12

+ sign 65.863+/-0.587 χ^2/NDF: 7786.8/29

All: 70.823+/-0.420 χ^2/NDF: 13168.6/61

- 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: -11.658+/-0.619 χ^2/NDF:323.6/13

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

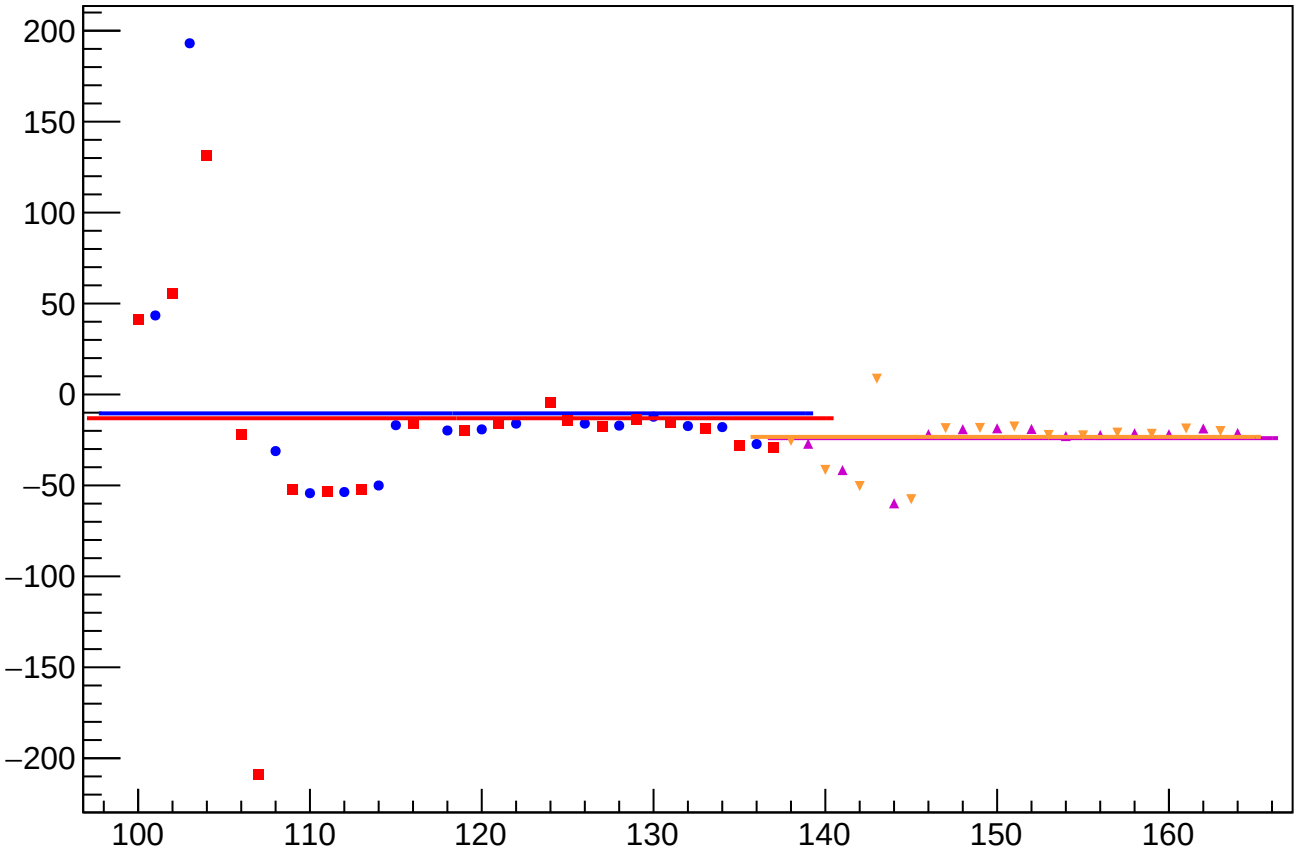
Left In: -12.002+/-0.628 χ^2/NDF:390.2/12

+ sign -18.409+/-0.517 χ^2/NDF: 1230.4/29

All: -18.884+/-0.370 χ^2/NDF: 2380.4/61

- 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: -23.314+/-0.029 χ^2/NDF:181193.0/13

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

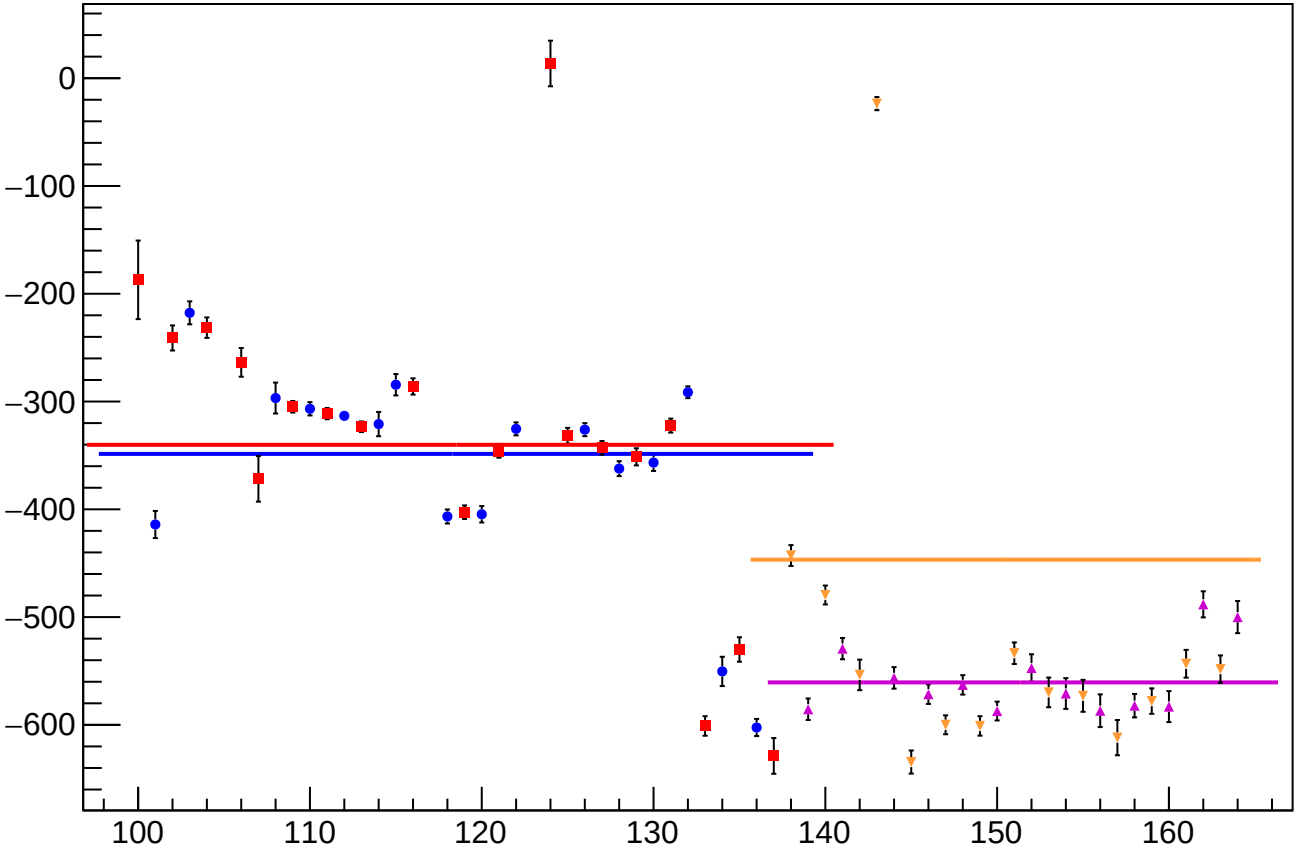
Left In: -24.014+/-0.028 χ^2/NDF:101734.8/12

+ sign -20.712+/-0.026 χ^2/NDF: 744775.4/29

All: -21.428+/-0.018 χ^2/NDF: 1323060.5/61

- 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: -446.708+/-2.751 χ^2/NDF:6326.2/13

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

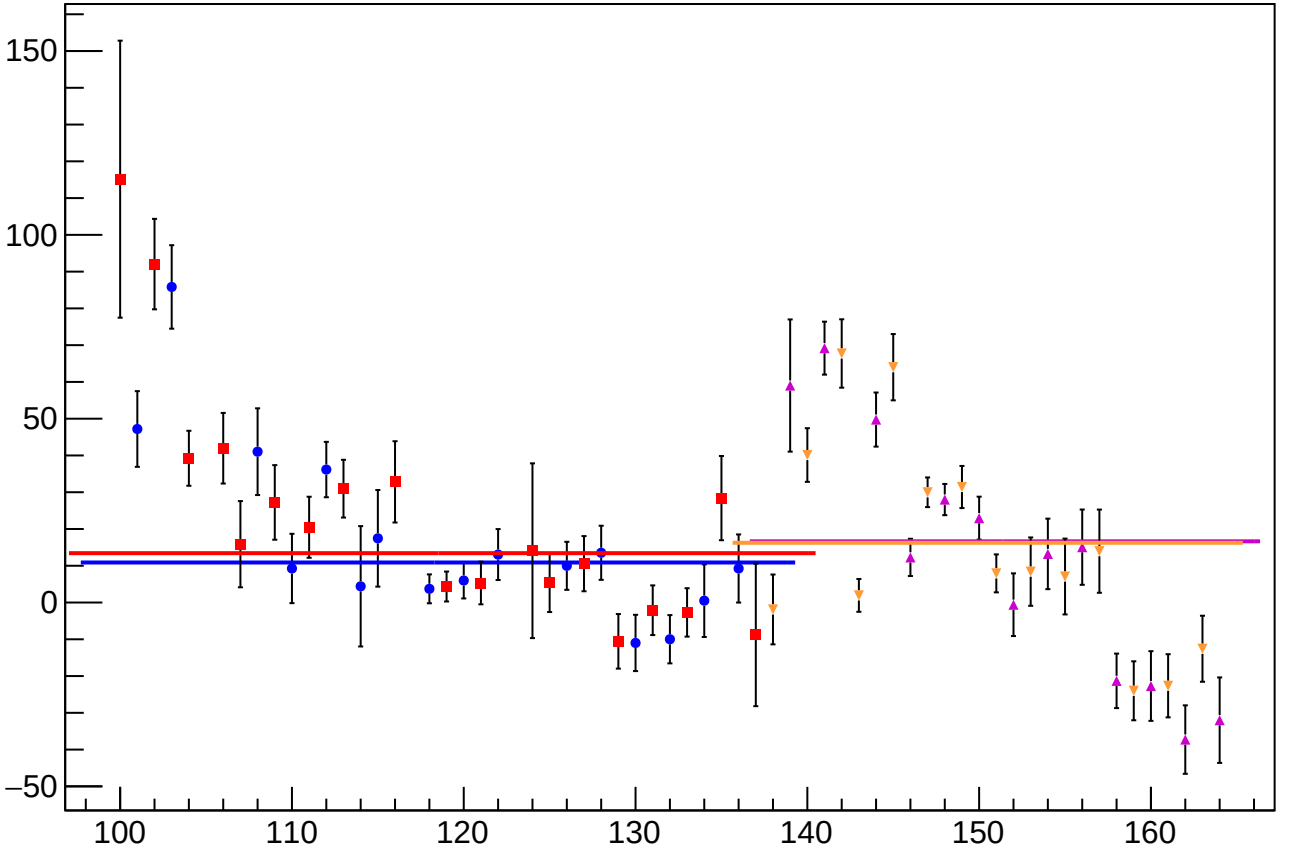
Left In: -560.604+/-3.044 χ^2/NDF:90.6/12

+ sign -378.570+/-1.521 χ^2/NDF: 9068.1/29

All: -386.951+/-1.076 χ^2/NDF: 15349.2/61

- 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: 16.250+/-1.815 χ^2/NDF:162.1/13

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

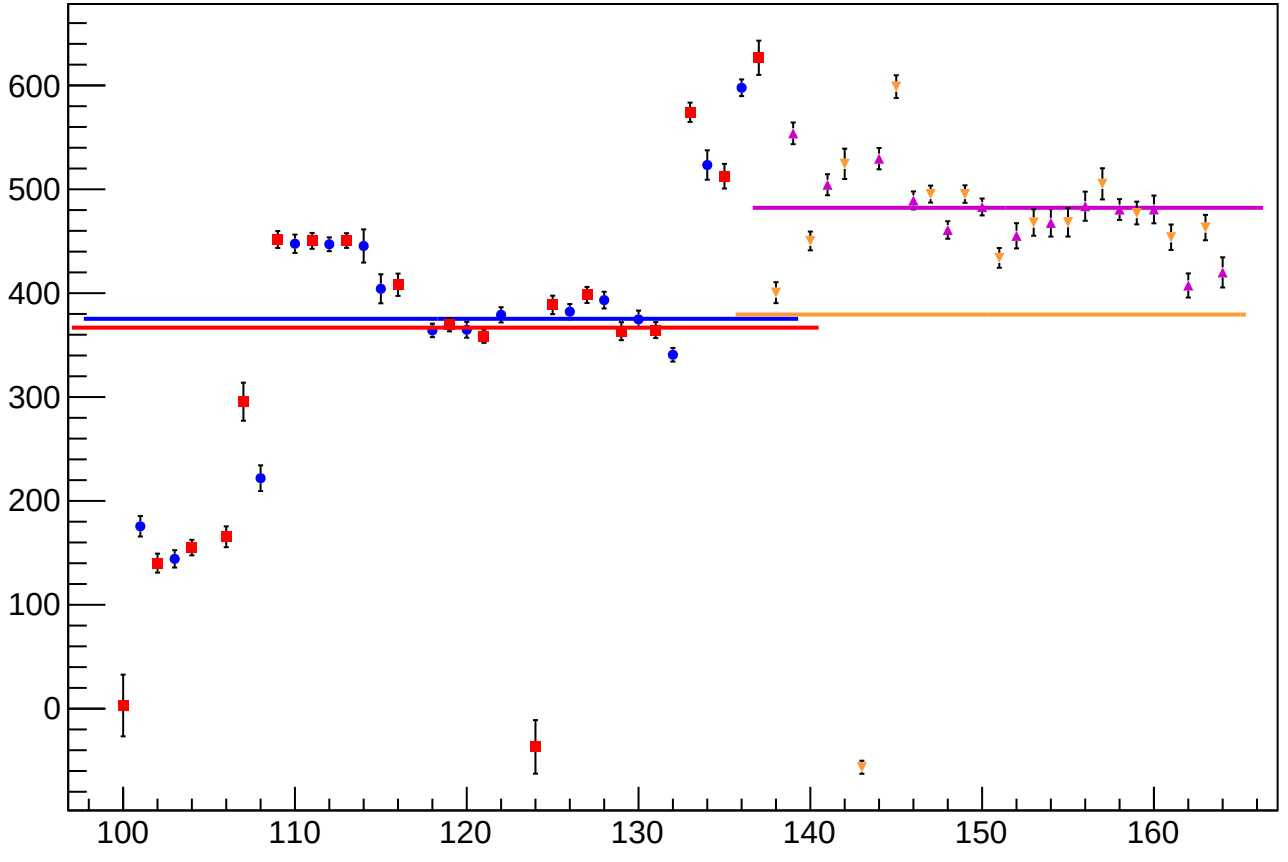
Left In: 16.647+/-2.012 χ^2/NDF:186.9/12

+ sign 13.610+/-1.293 χ^2/NDF: 264.6/29

All: 14.224+/-0.938 χ^2/NDF: 565.8/61

- 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: 379.411+/-2.693 χ^2/NDF:6102.9/13

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

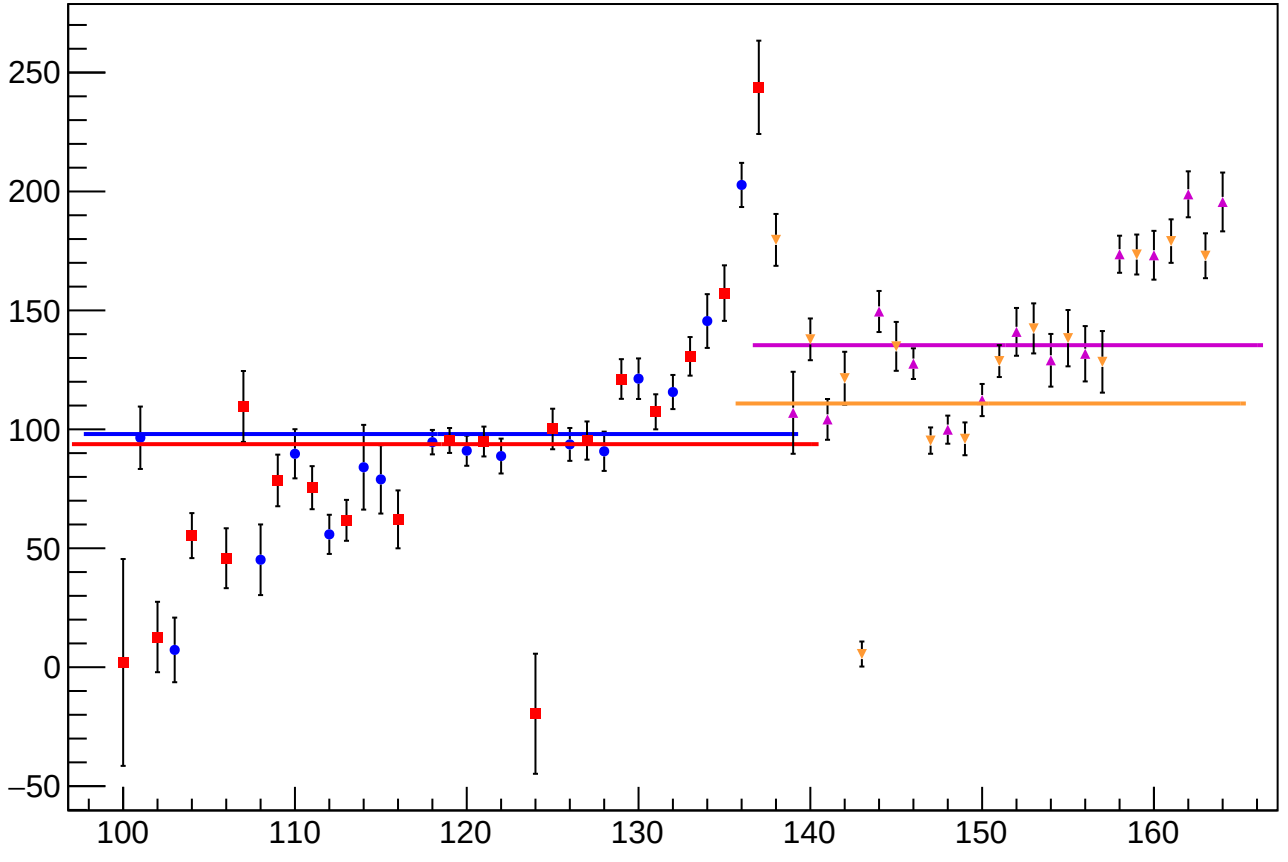
Left In: 482.179+/-2.935 χ^2/NDF:146.2/12

+ sign 376.870+/-1.657 χ^2/NDF: 8553.8/29

All: 390.563+/-1.180 χ^2/NDF: 13417.8/61

- 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: 110.869+/-2.180 χ^2/NDF:646.6/13

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

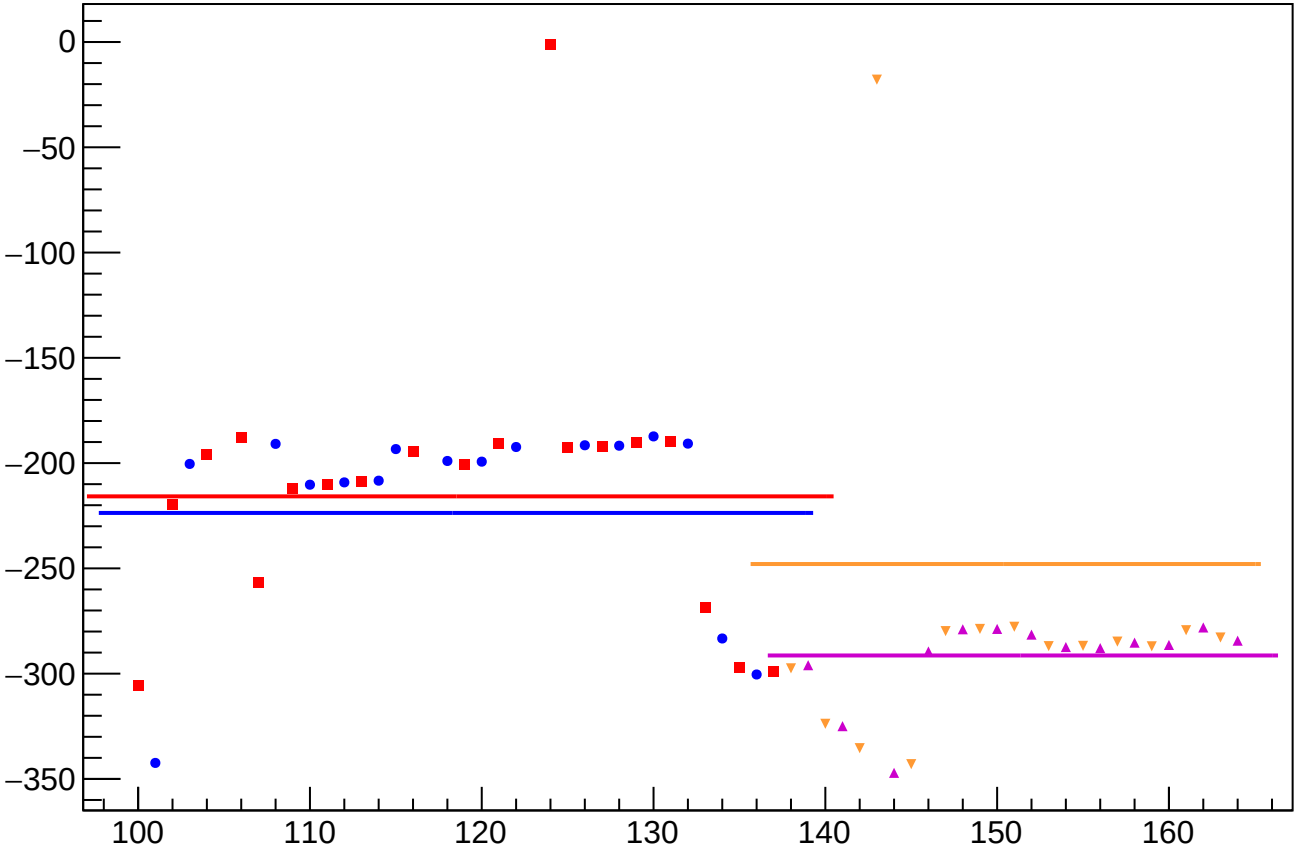
Left In: 135.380+/-2.400 χ^2/NDF:173.1/12

\+ sign 104.339+/-1.529 χ^2/NDF: 913.7/29

All: 108.091+/-1.104 χ^2/NDF: 1504.1/61

\- 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: -247.934+/-0.106 χ^2/NDF:958735.1/13

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

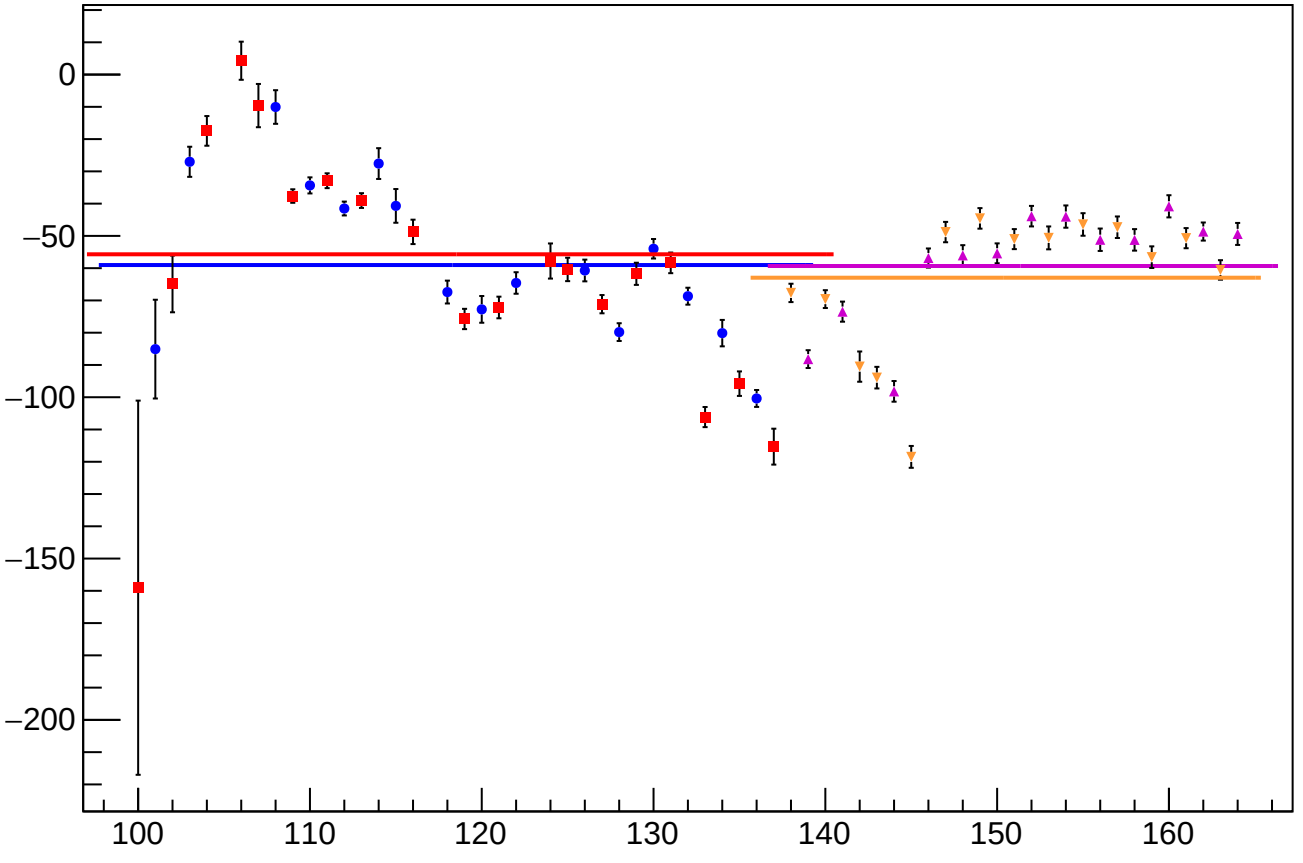
Left In: -291.367+/-0.112 χ^2/NDF:26347.0/12

+ sign -238.955+/-0.084 χ^2/NDF: 1099664.8/29

All: -249.323+/-0.060 χ^2/NDF: 1424802.2/61

- 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: -62.958+/-0.867 χ^2/NDF:541.5/13

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

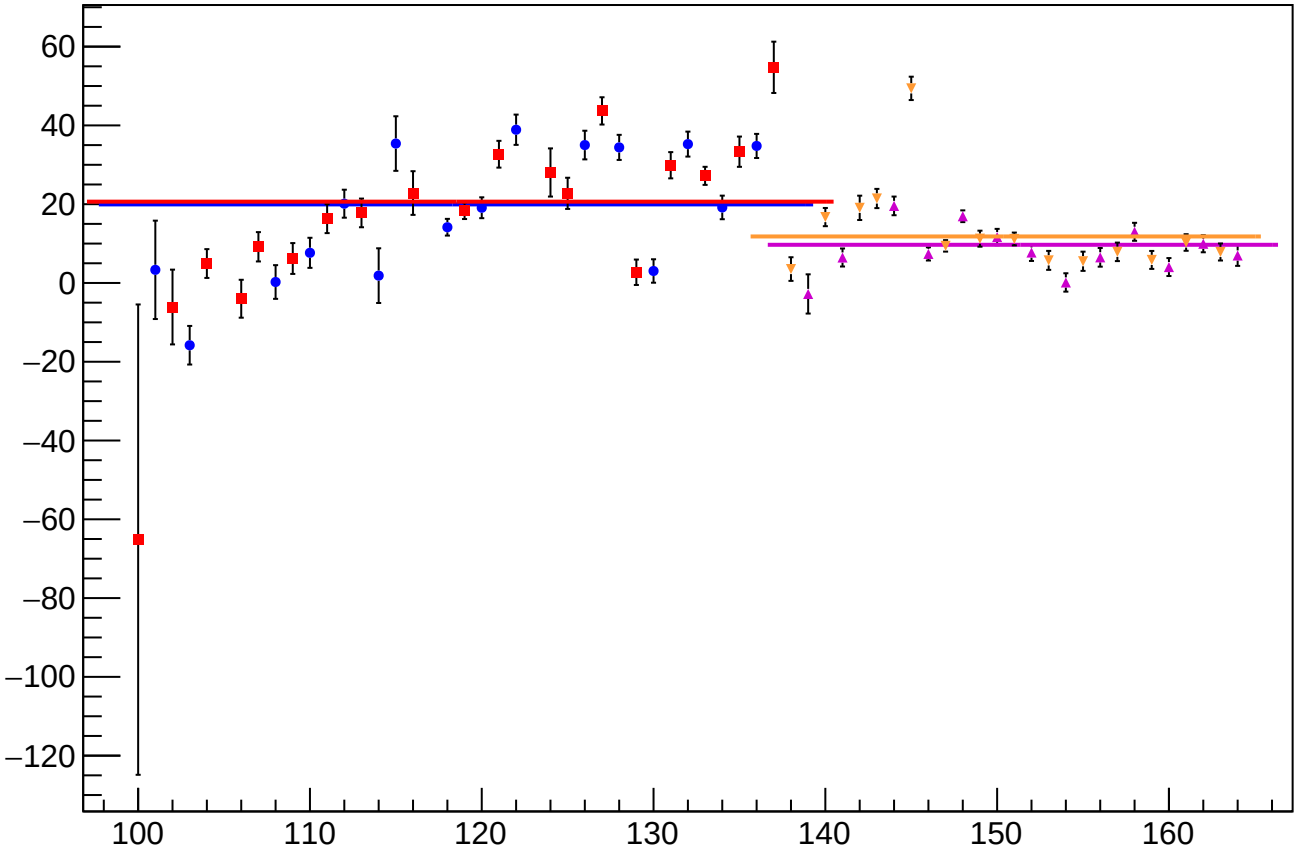
Left In: -59.330+/-0.876 χ^2/NDF:386.8/12

+ sign -60.908+/-0.599 χ^2/NDF: 1279.5/29

All: -59.080+/-0.419 χ^2/NDF: 2735.2/61

- 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: 11.807+/-0.584 χ^2/NDF:223.5/13

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

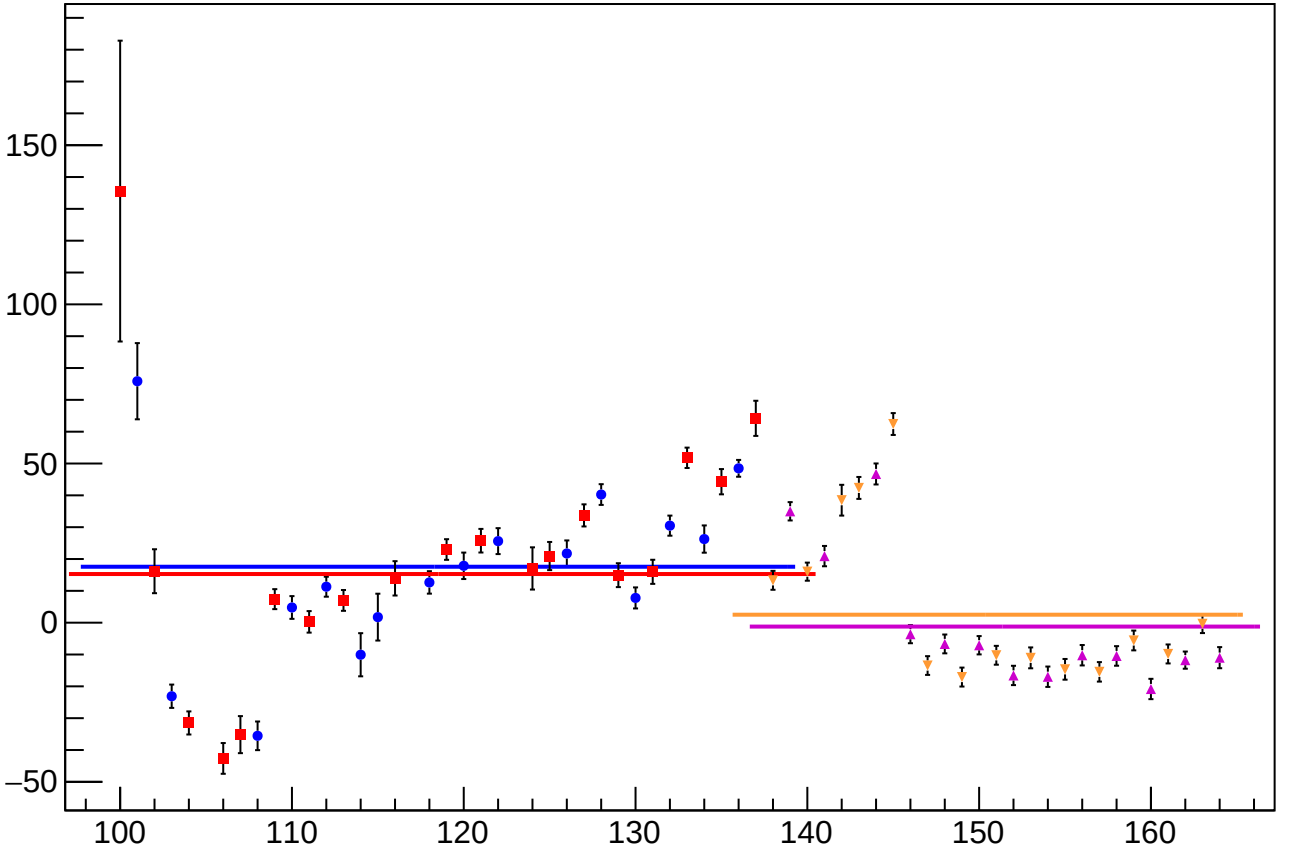
Left In: 9.690+/-0.601 χ^2/NDF:80.8/12

+ sign 14.345+/-0.484 χ^2/NDF: 531.3/29

All: 13.866+/-0.344 χ^2/NDF: 950.6/61

- 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: 2.506+/-0.839 χ^2/NDF:724.5/13

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

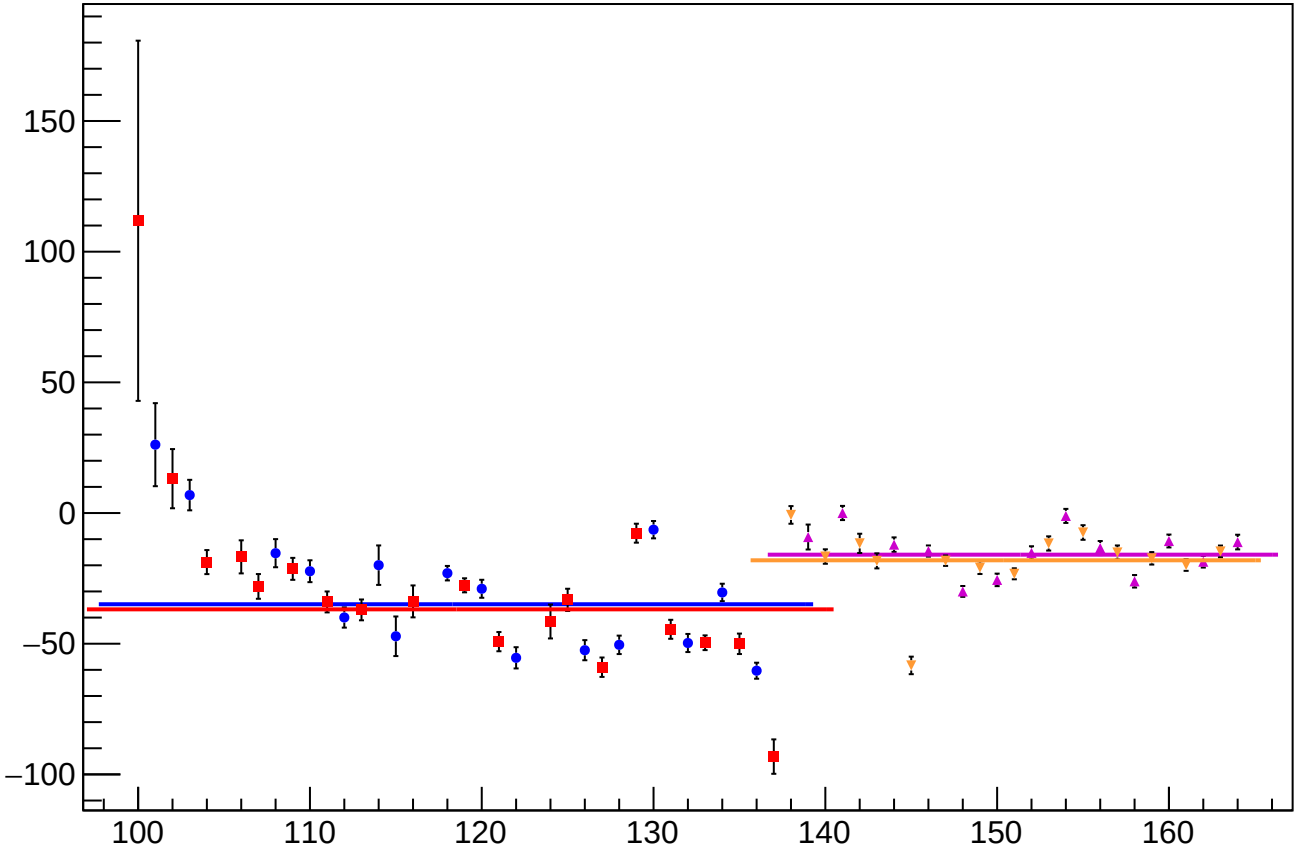
Left In: -1.225+/-0.844 χ^2/NDF:554.1/12

\+ sign 9.060+/-0.631 χ^2/NDF: 1410.8/29

All: 7.614+/-0.444 χ^2/NDF: 2877.5/61

\- 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: -18.084+/-0.687 χ^2/NDF:205.2/13

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

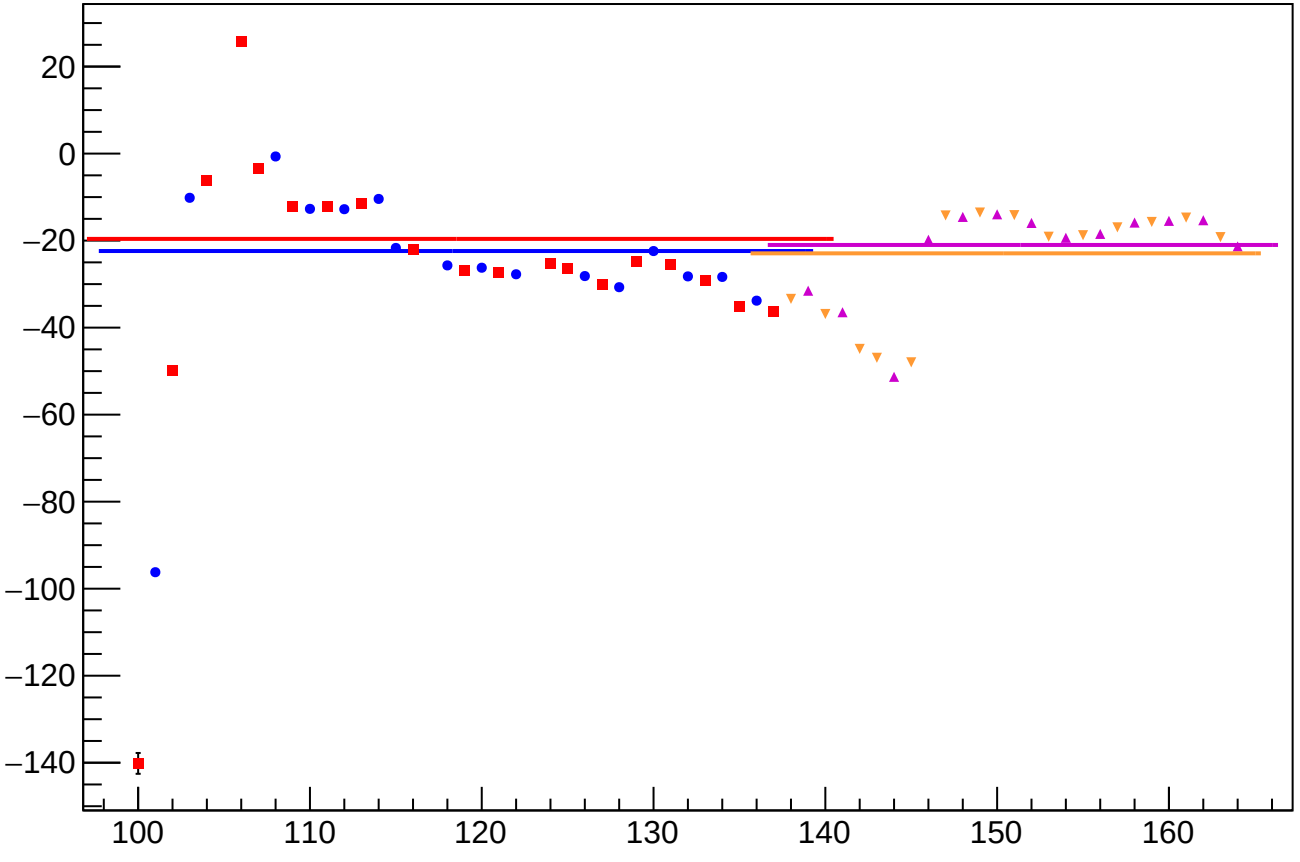
Left In: -15.931+/-0.701 χ^2/NDF:159.4/12

+ sign -23.551+/-0.565 χ^2/NDF: 746.4/29

All: -23.335+/-0.401 χ^2/NDF: 1513.3/61

- 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: -22.928+/-0.032 χ^2/NDF:129060.7/13

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

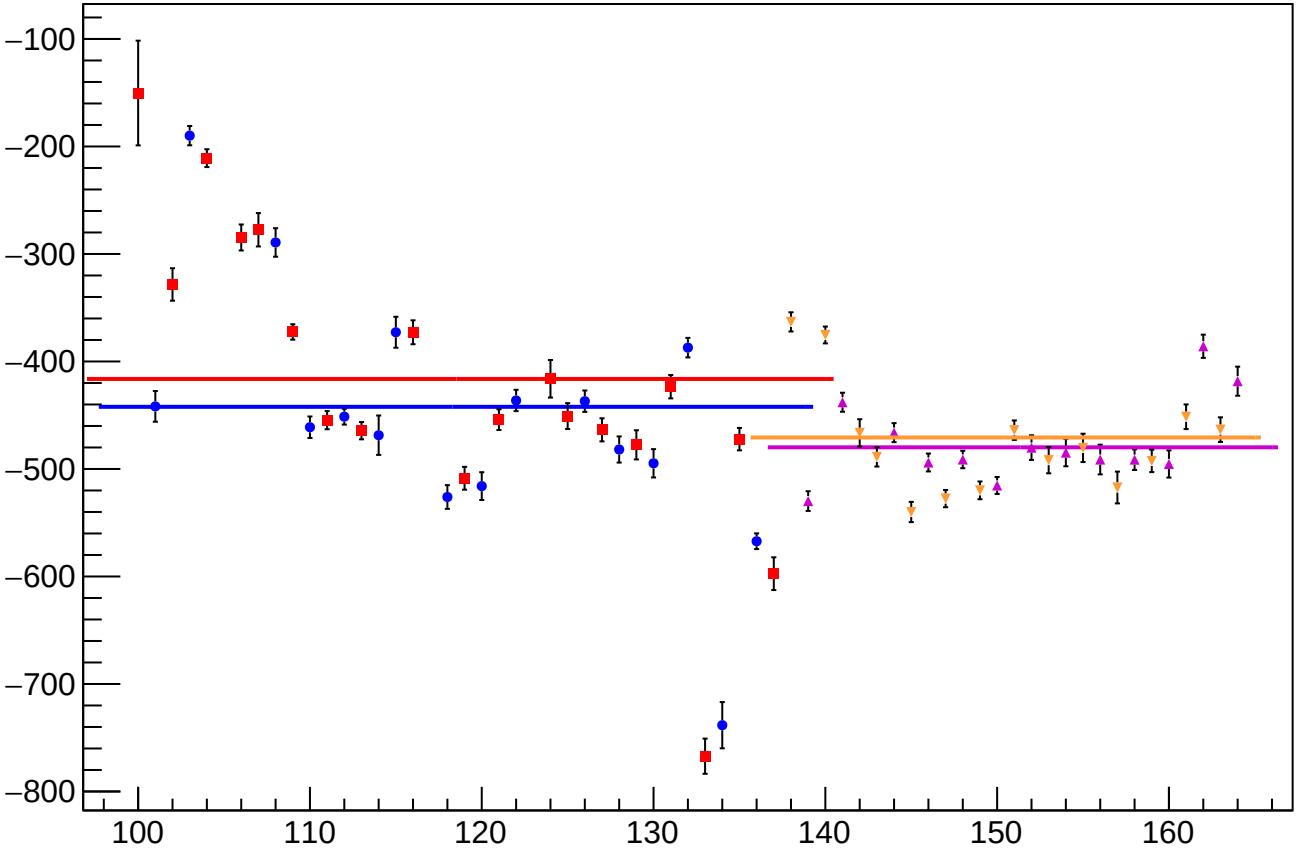
Left In: -20.999+/-0.032 χ^2/NDF:84364.3/12

+ sign -22.806+/-0.028 χ^2/NDF: 175645.3/29

All: -21.751+/-0.020 χ^2/NDF: 347182.4/61

- 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: -470.708+/-2.647 χ^2/NDF:459.2/13

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

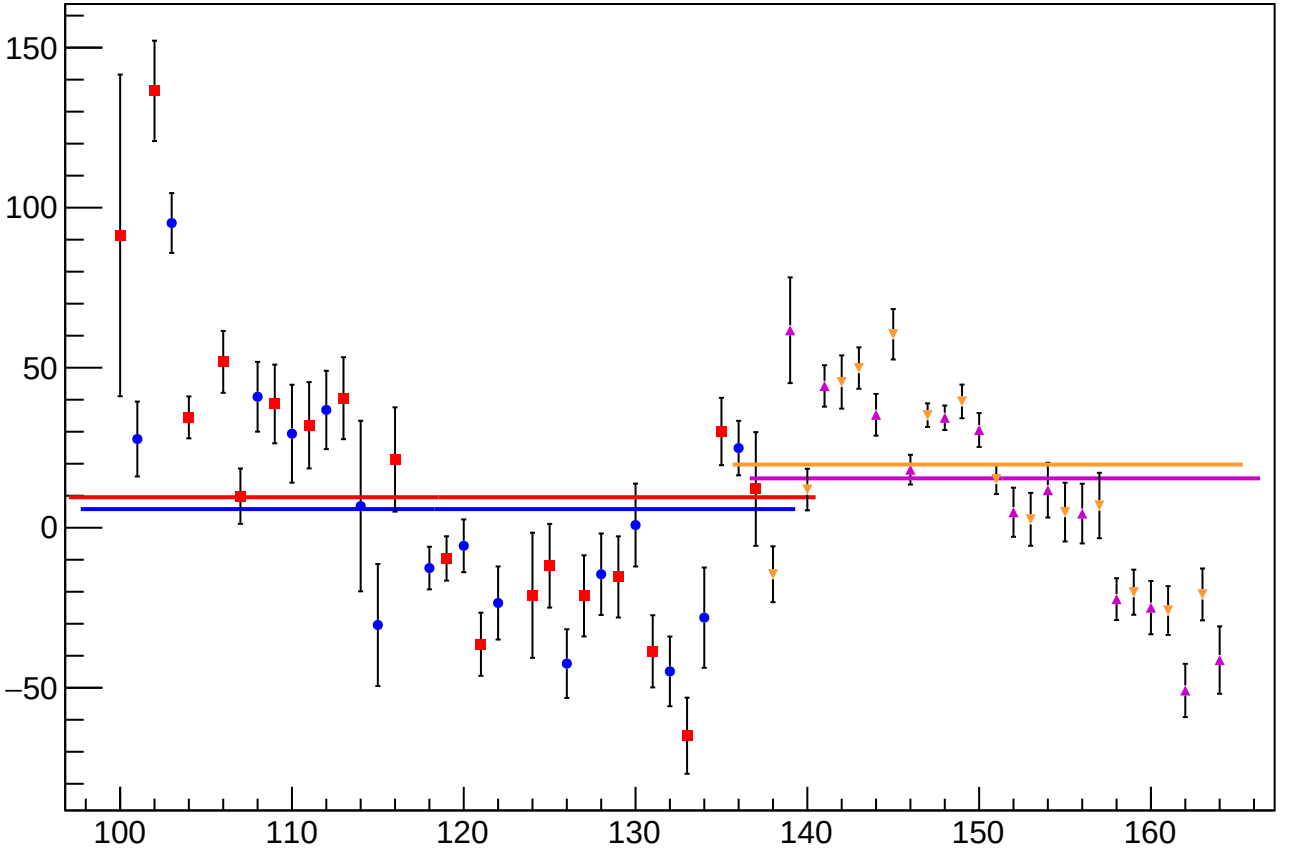
Left In: -479.864+/-2.738 χ^2/NDF:179.5/12

+ sign -456.631+/-1.884 χ^2/NDF: 2105.6/29

All: -450.958+/-1.322 χ^2/NDF: 4348.6/61

- 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: 19.745+/-1.727 χ^2/NDF:208.8/13

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

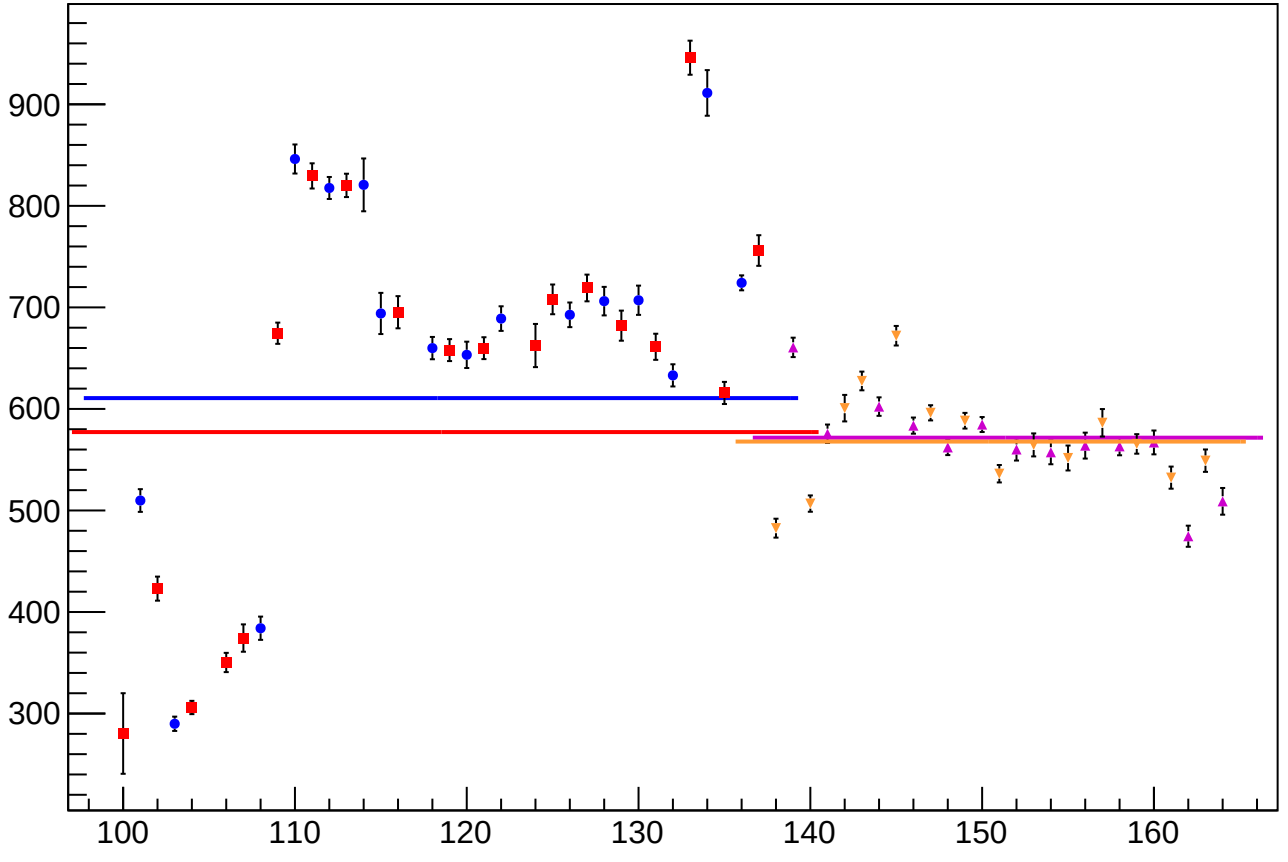
Left In: 15.425+/-1.809 χ^2/NDF:223.1/12

+ sign 15.763+/-1.459 χ^2/NDF: 415.5/29

All: 14.625+/-1.038 χ^2/NDF: 865.6/61

- 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: 567.858+/-2.574 χ^2/NDF:359.0/13

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

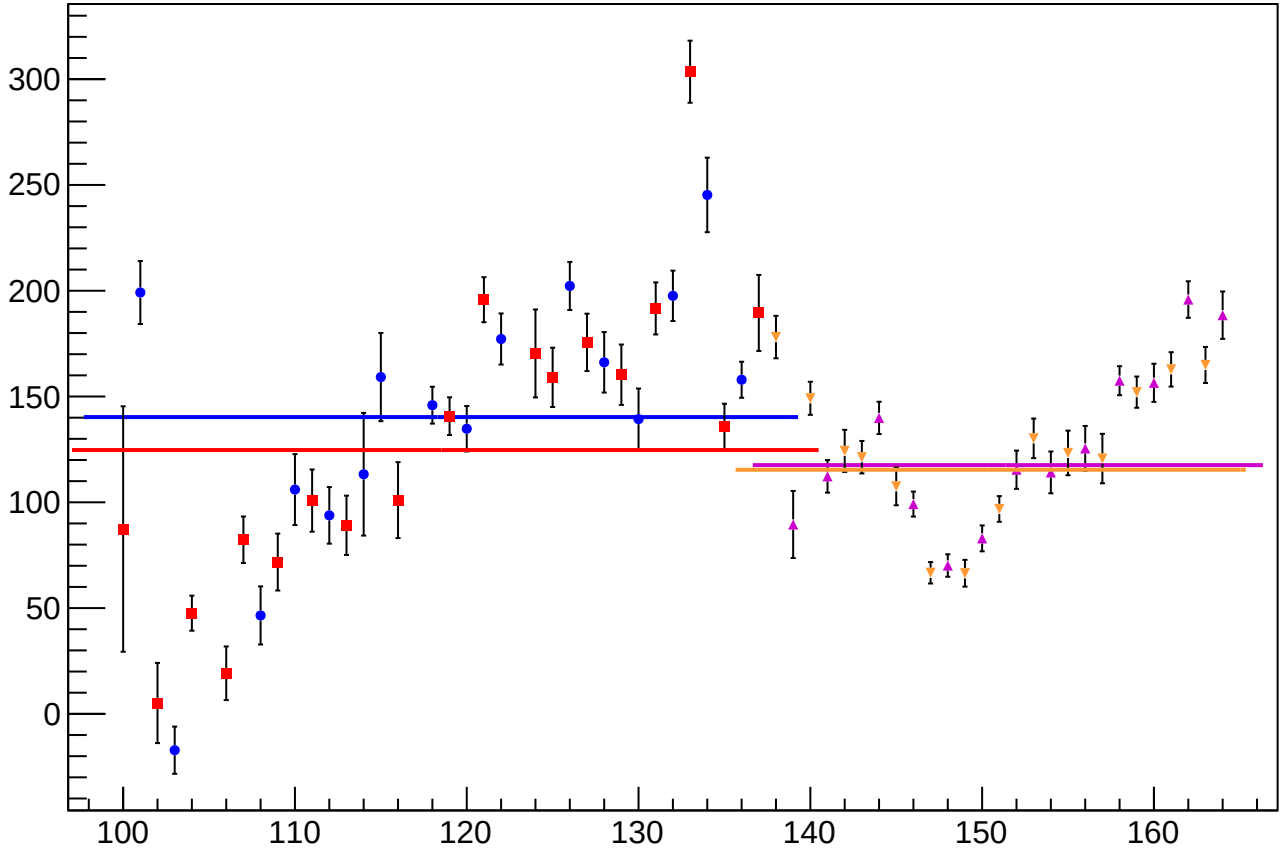
Left In: 571.673+/-2.640 χ^2/NDF:218.8/12

+ sign 586.781+/-1.923 χ^2/NDF: 4373.8/29

All: 580.496+/-1.354 χ^2/NDF: 9416.2/61

- 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: 115.372+/-2.076 χ^2/NDF:317.6/13

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

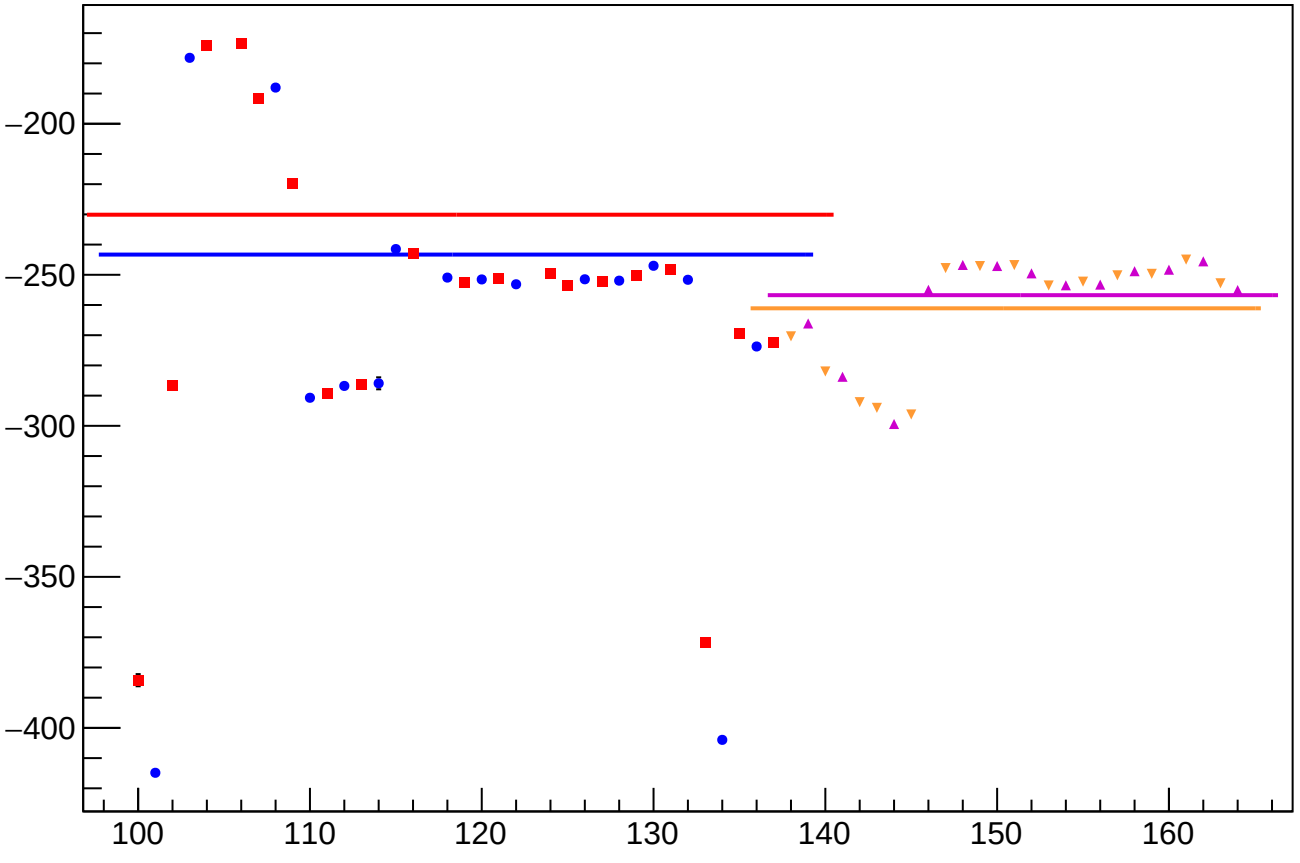
Left In: 117.574+/-2.157 χ^2/NDF:309.0/12

+ sign 122.909+/-1.734 χ^2/NDF: 746.6/29

All: 121.478+/-1.230 χ^2/NDF: 1569.3/61

- 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: -261.097+/-0.101 χ^2/NDF:33237.4/13

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

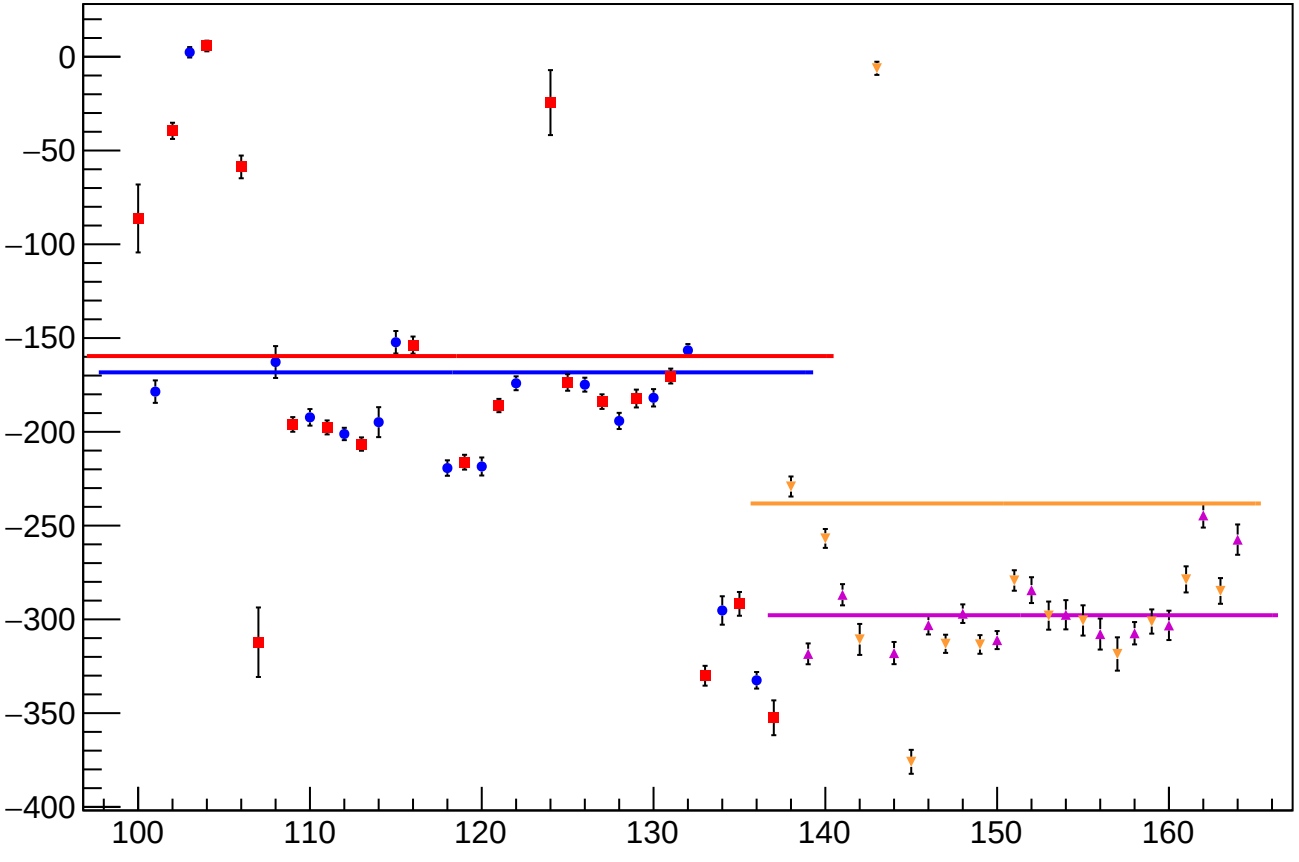
Left In: -256.747+/-0.101 χ^2/NDF:21533.4/12

+ sign -256.170+/-0.086 χ^2/NDF: 215388.5/29

All: -252.546+/-0.060 χ^2/NDF: 363221.6/61

- 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: -238.200+/-1.537 χ^2/NDF:5834.2/13

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

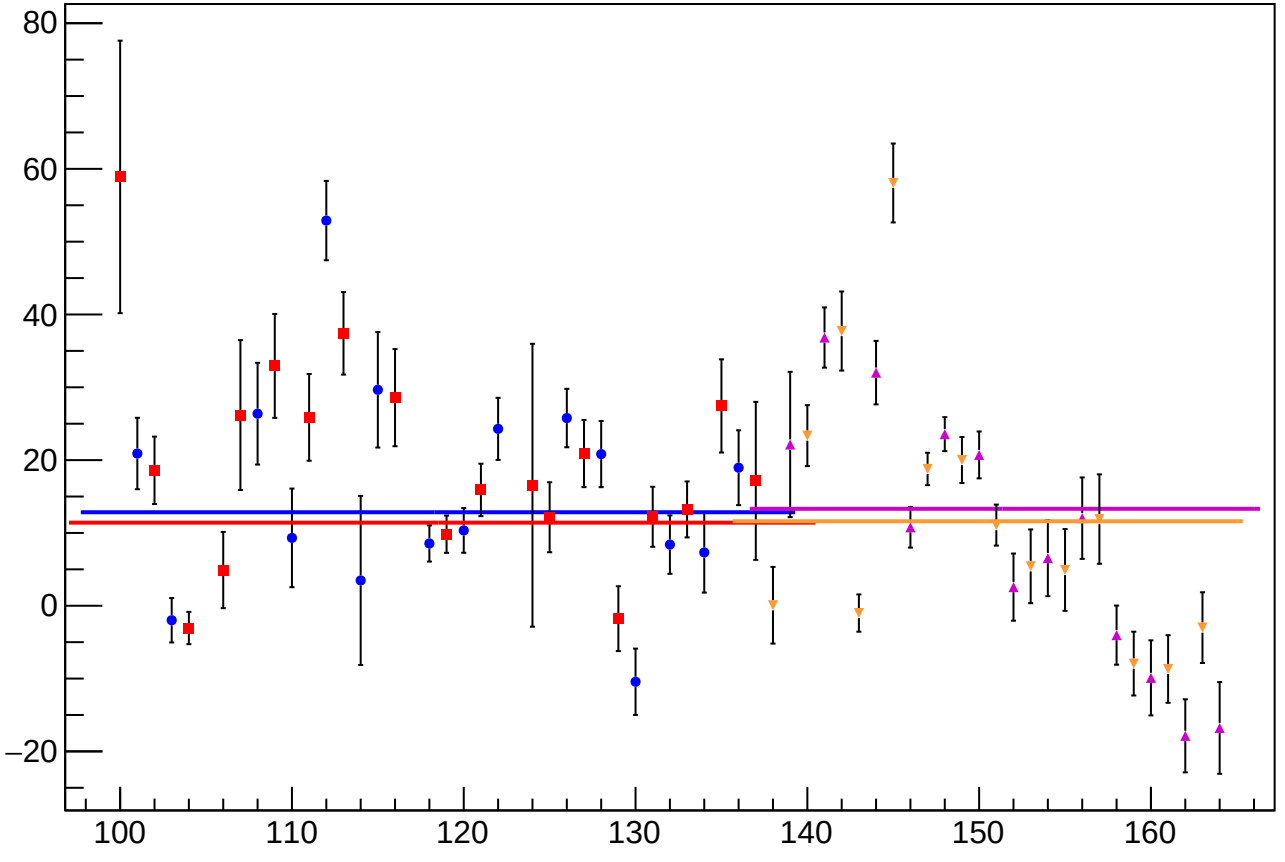
Left In: -297.794+/-1.687 χ^2/NDF:137.6/12

+ sign -191.267+/-0.881 χ^2/NDF: 13129.7/29

All: -194.506+/-0.625 χ^2/NDF: 25349.0/61

- 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: 11.603+/-1.010 χ^2/NDF:202.2/13

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

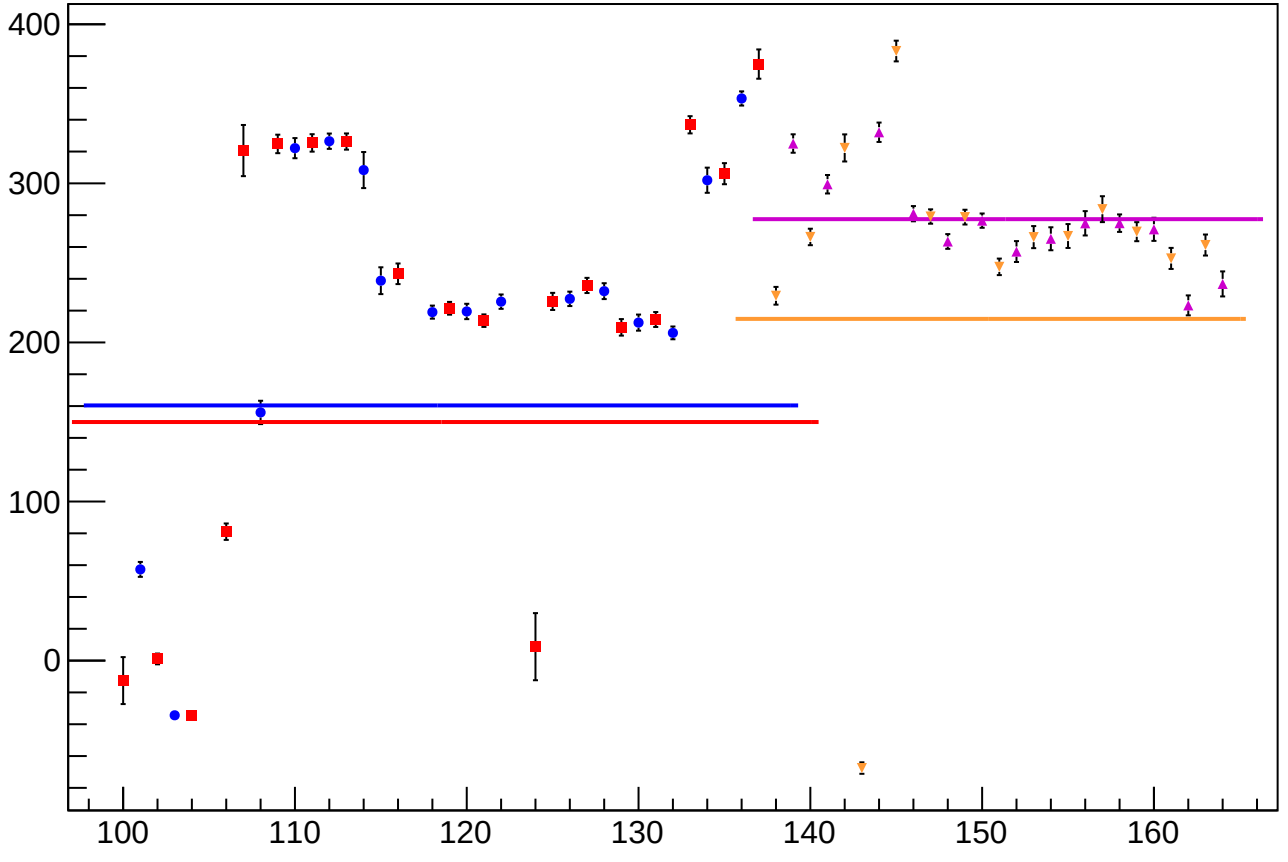
Left In: 13.314+/-1.112 χ^2/NDF:184.1/12

+ sign 12.183+/-0.737 χ^2/NDF: 346.6/29

All: 12.238+/-0.528 χ^2/NDF: 651.8/61

- 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: 214.810+/-1.502 χ^2/NDF:7825.3/13

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

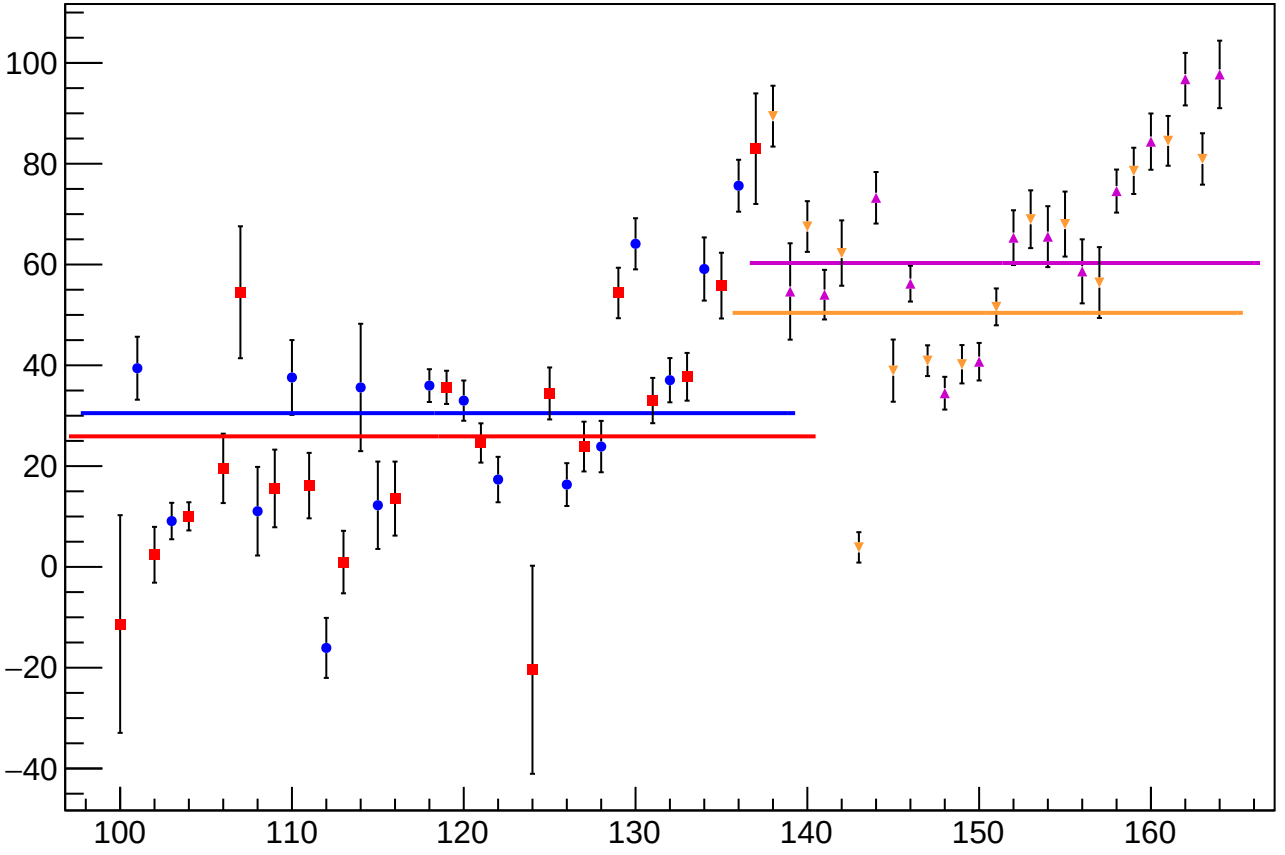
Left In: 277.498+/-1.624 χ^2/NDF:286.8/12

+ sign 180.270+/-0.908 χ^2/NDF: 22608.0/29

All: 185.302+/-0.644 χ^2/NDF: 43431.8/61

- 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: 50.410+/-1.213 χ^2/NDF:455.0/13

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

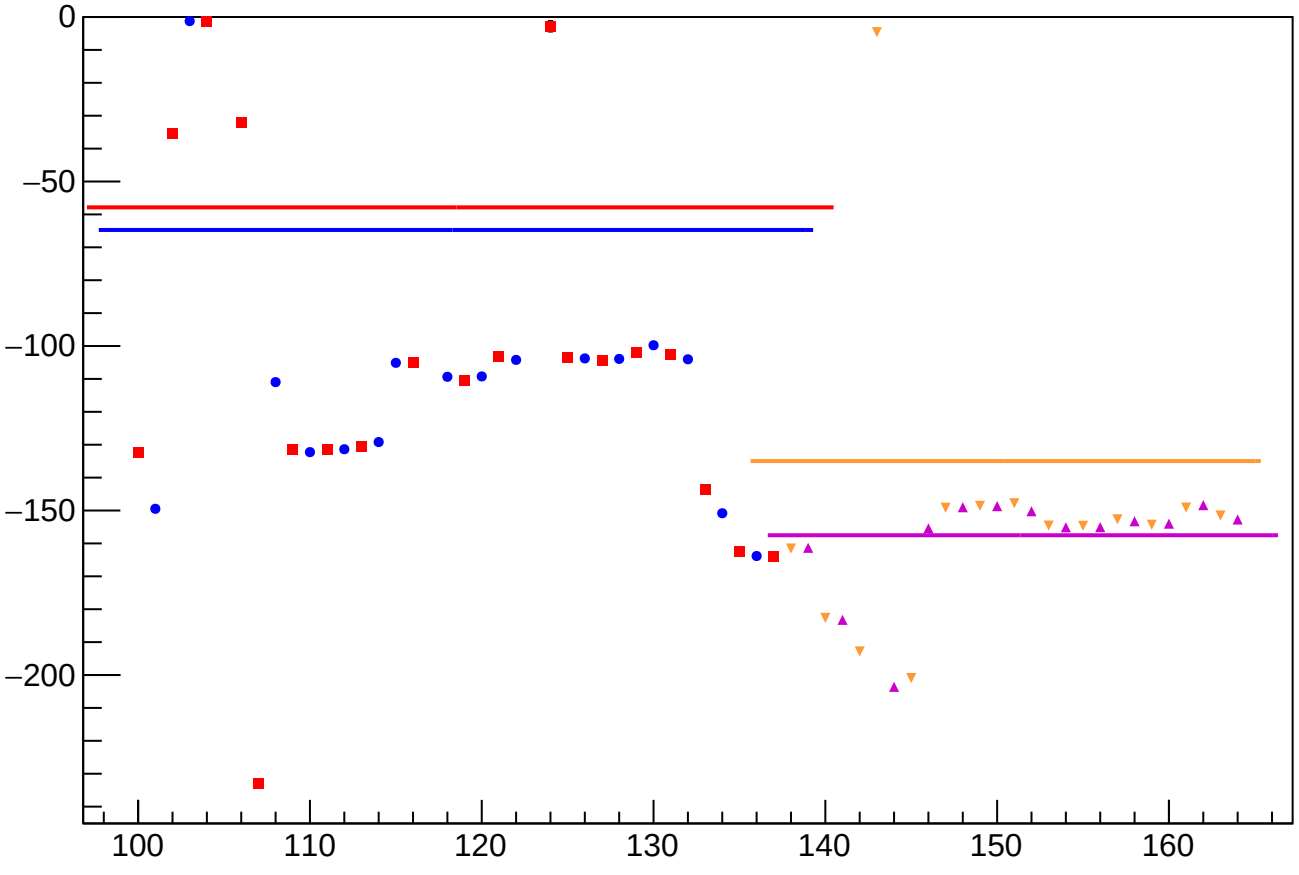
Left In: 60.302+/-1.326 χ^2/NDF:212.2/12

+ sign 40.794+/-0.872 χ^2/NDF: 861.9/29

All: 41.172+/-0.625 χ^2/NDF: 1628.6/61

- 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: -134.968+/-0.059 χ^2/NDF:954857.1/13

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

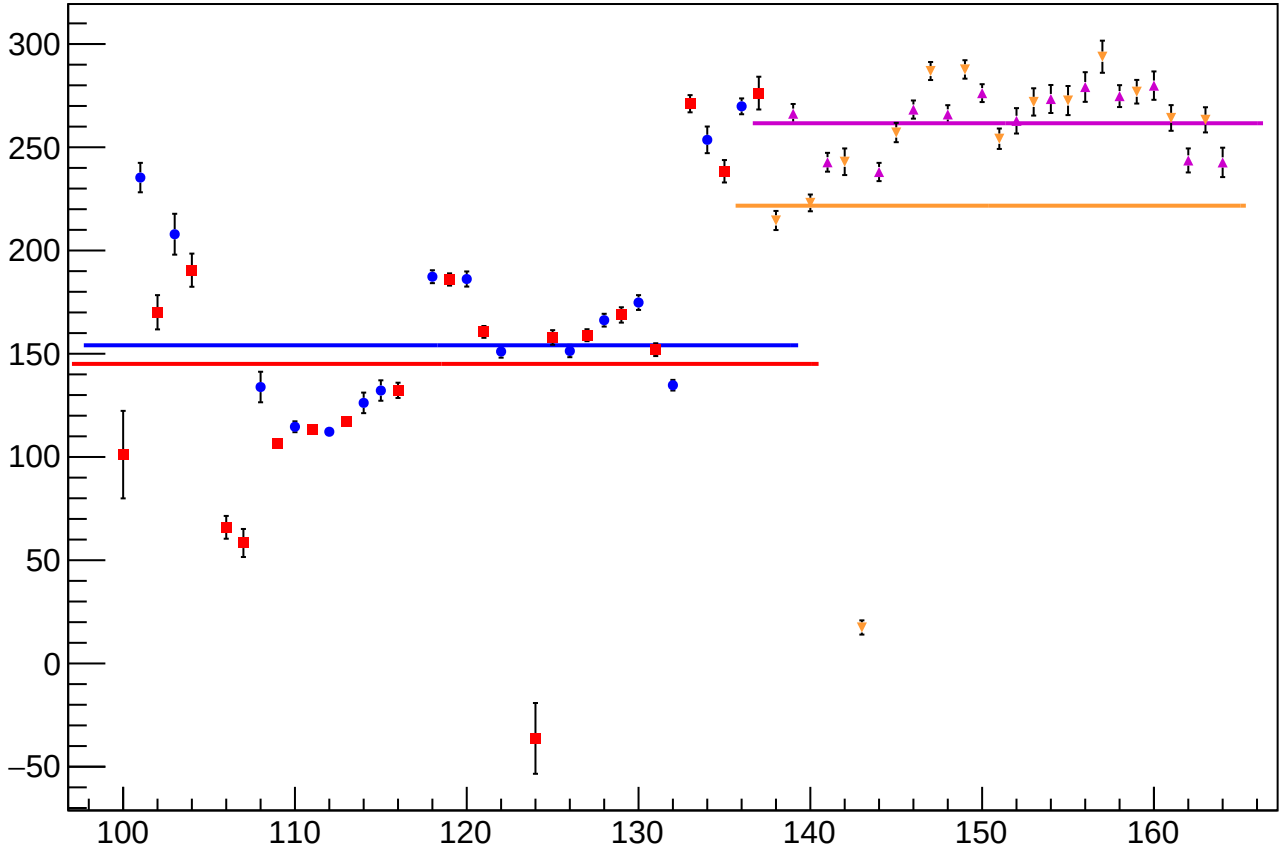
Left In: -157.515+/-0.062 χ^2/NDF:48605.4/12

+ sign -102.630+/-0.043 χ^2/NDF: 2653550.7/29

All: -105.155+/-0.031 χ^2/NDF: 4872350.5/61

- 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: 221.707+/-1.351 χ^2/NDF:4454.1/13

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

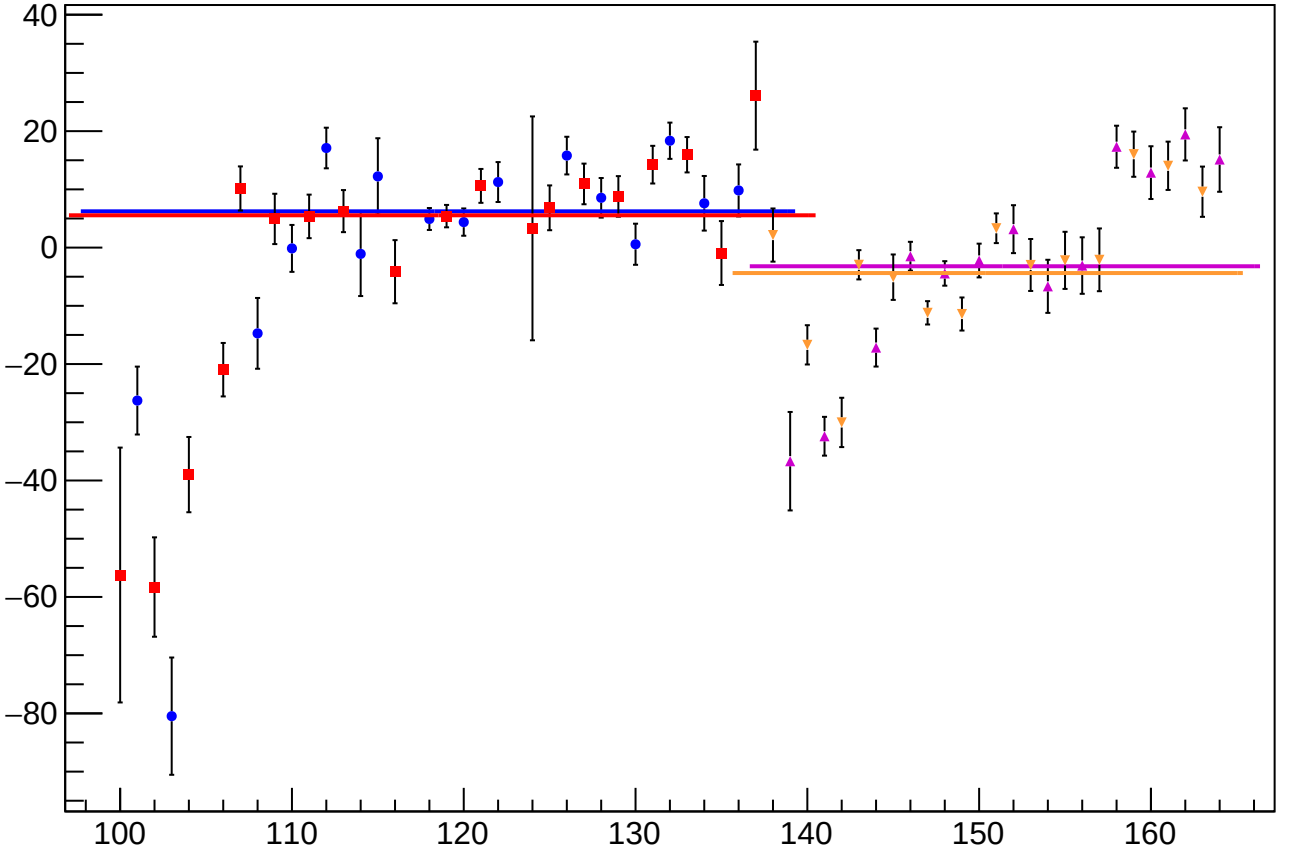
Left In: 261.631+/-1.453 χ^2/NDF:100.2/12

\+ sign 173.890+/-0.731 χ^2/NDF: 8507.0/29

All: 173.716+/-0.512 χ^2/NDF: 16427.8/61

\- 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: -4.370+/-0.896 χ^2/NDF:137.6/13

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

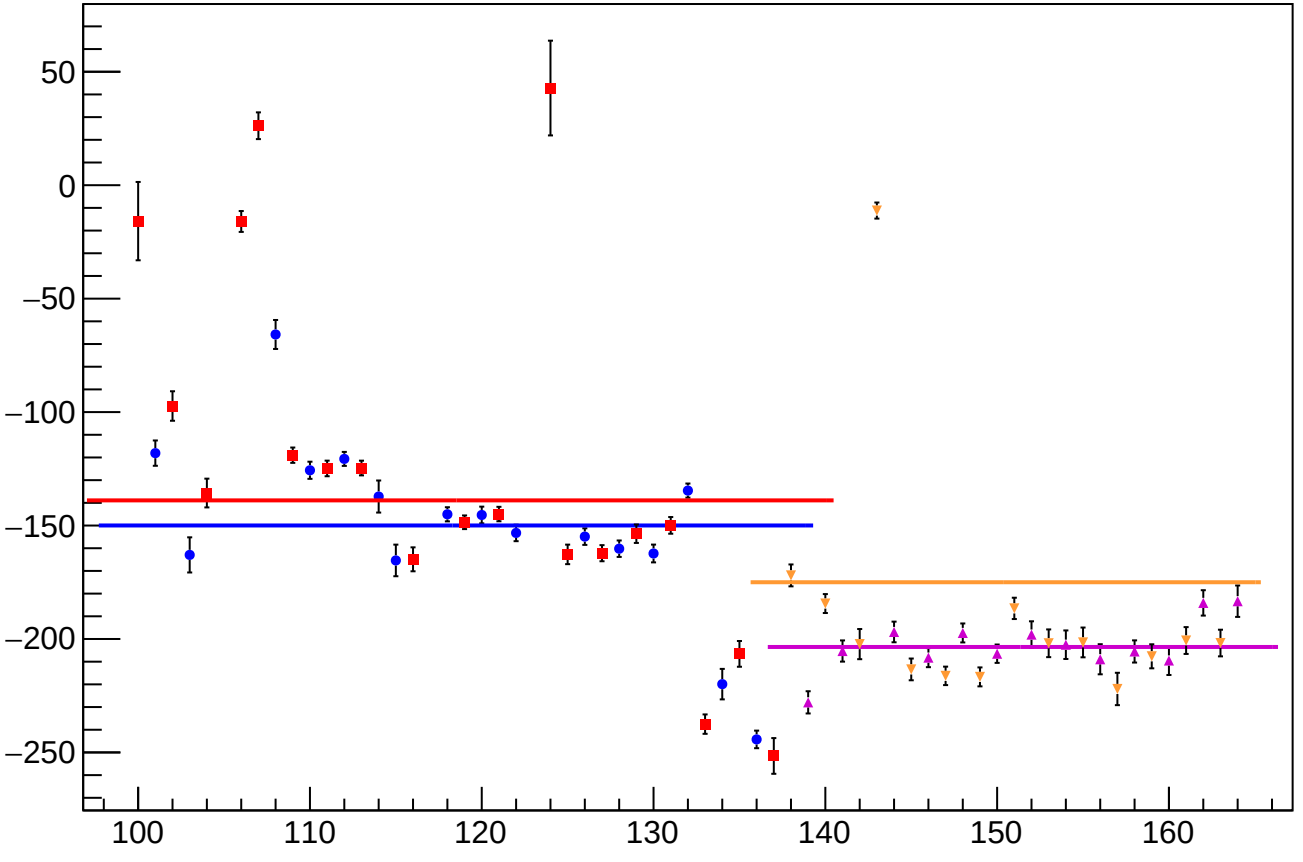
Left In: -3.205+/-0.970 χ^2/NDF:196.1/12

+ sign 0.963+/-0.631 χ^2/NDF: 370.2/29

All: 1.245+/-0.455 χ^2/NDF: 792.1/61

- 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: -174.991+/-1.322 χ^2/NDF:2589.3/13

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

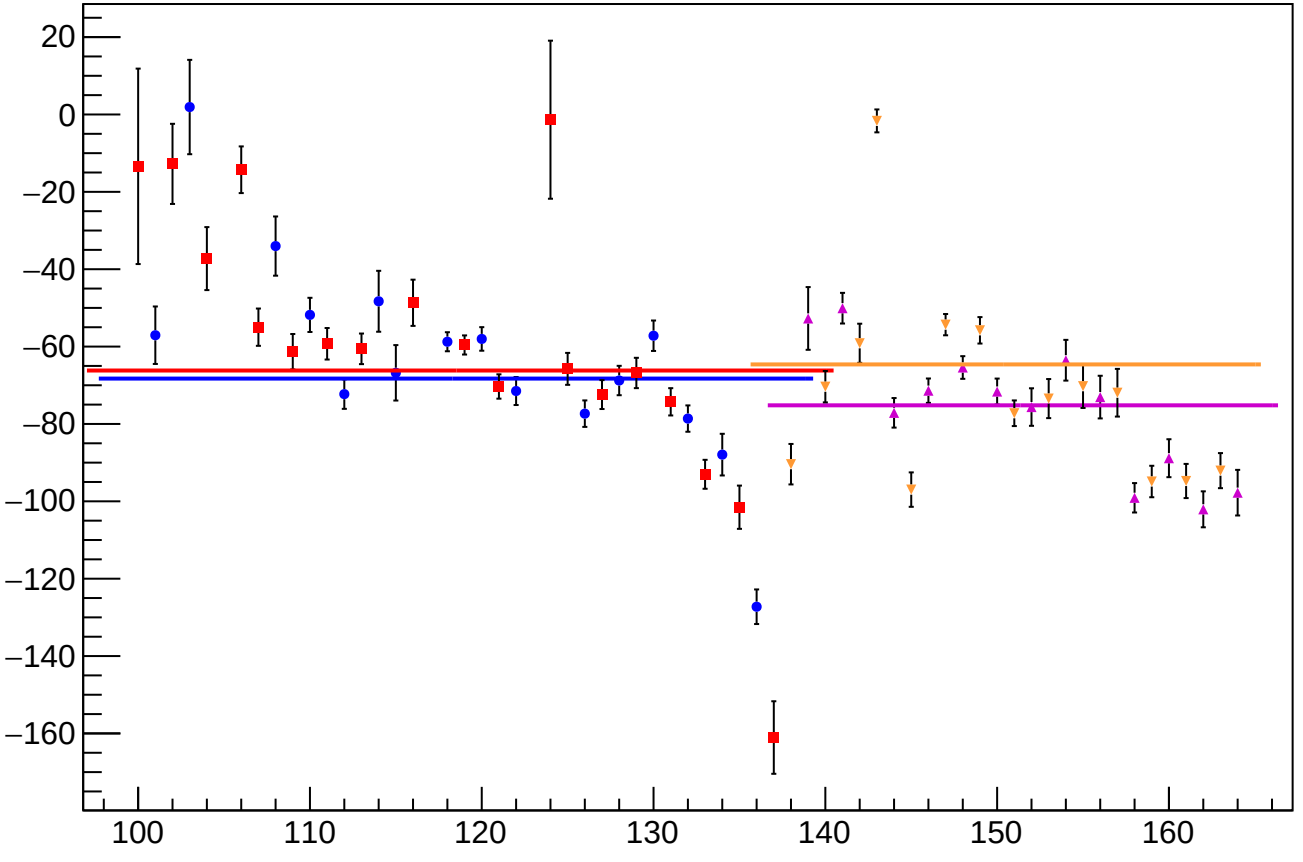
Left In: -203.520+/-1.404 χ^2/NDF:54.2/12

+ sign -159.372+/-0.810 χ^2/NDF: 3912.4/29

All: -159.915+/-0.573 χ^2/NDF: 8128.9/61

- 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: -64.610+/-1.074 χ^2/NDF:711.3/13

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

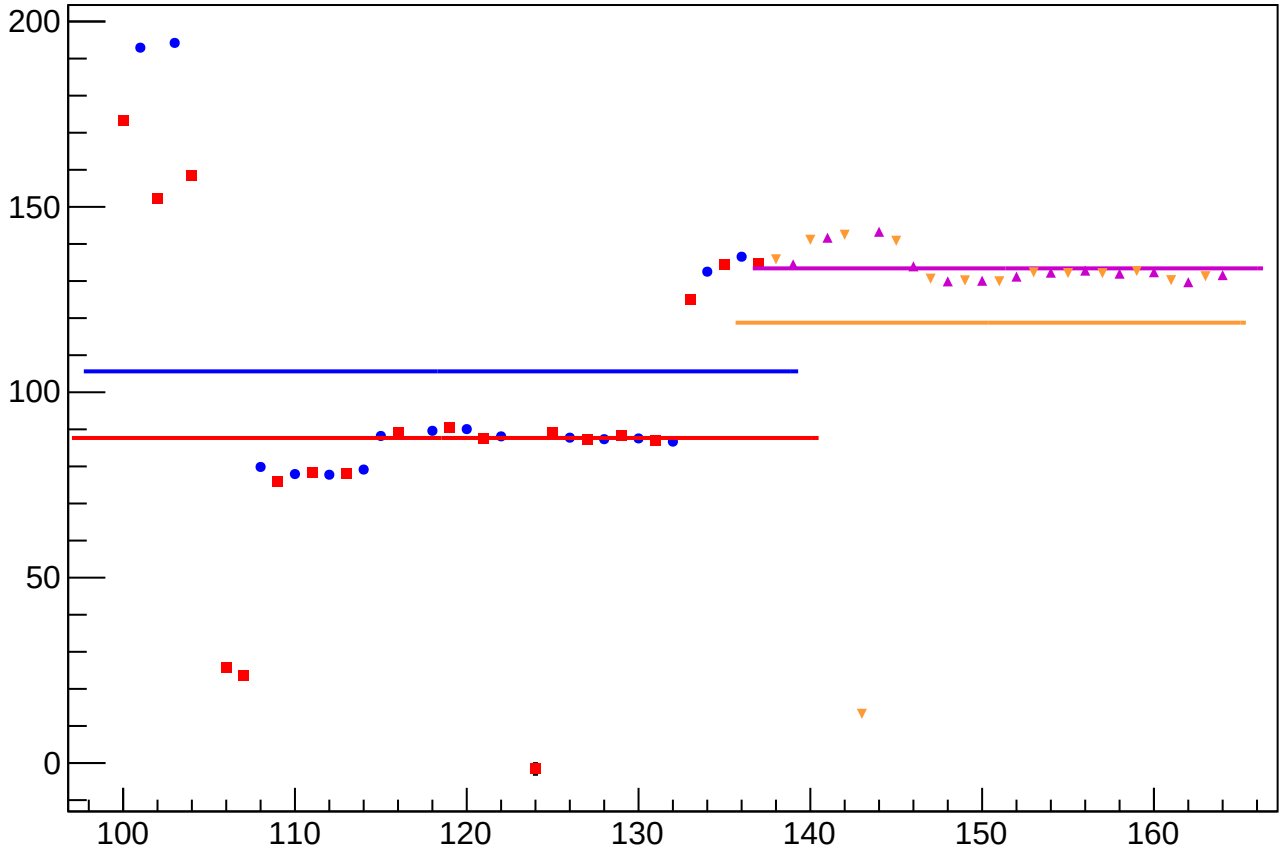
Left In: -75.184+/-1.154 χ^2/NDF:162.3/12

+ sign -66.511+/-0.745 χ^2/NDF: 1032.8/29

All: -68.279+/-0.534 χ^2/NDF: 1599.1/61

- 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: 118.768+/-0.052 χ^2/NDF:593449.4/13

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

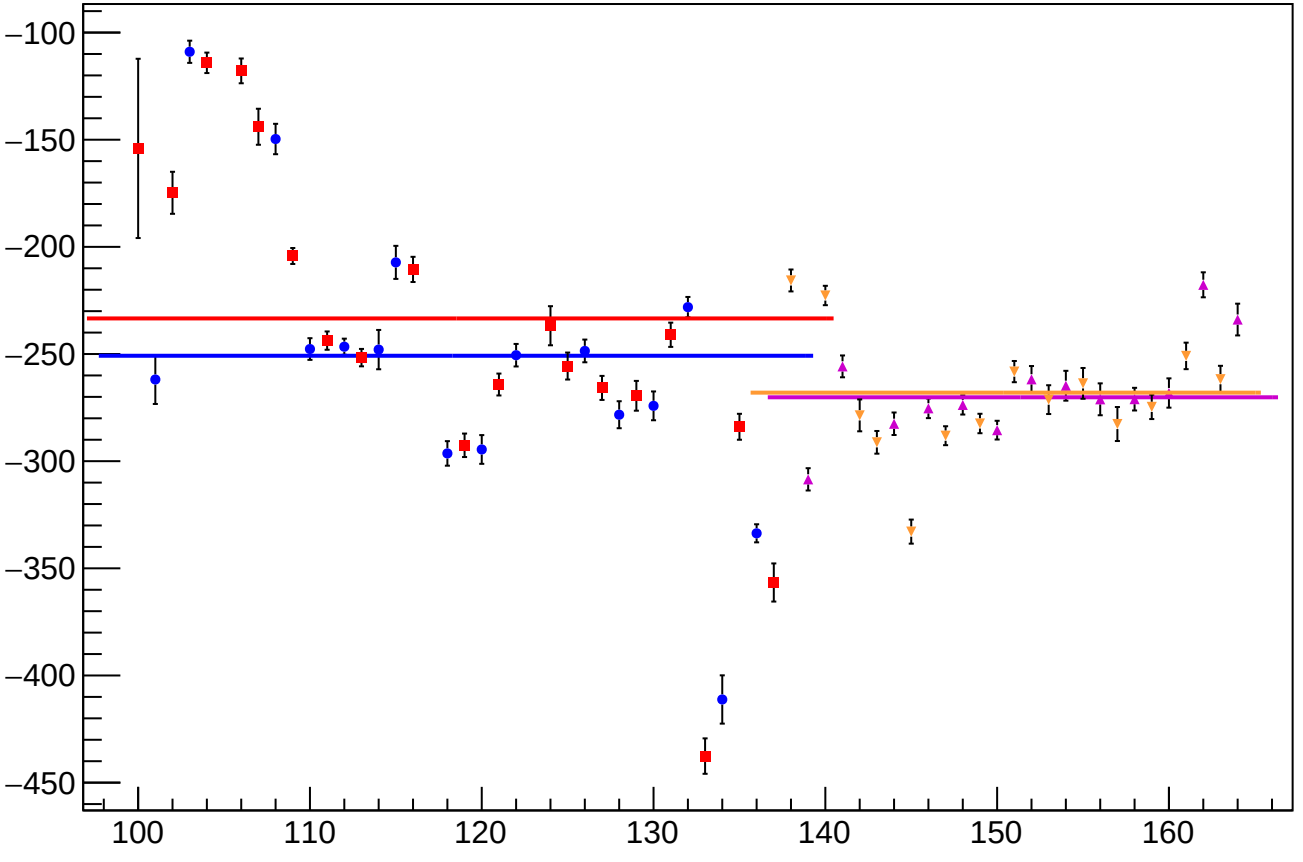
Left In: 133.418+/-0.054 χ^2/NDF:5723.8/12

+ sign 114.187+/-0.042 χ^2/NDF: 855430.3/29

All: 114.600+/-0.030 χ^2/NDF: 1526144.3/61

- 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: -268.019+/-1.485 χ^2/NDF:408.9/13

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

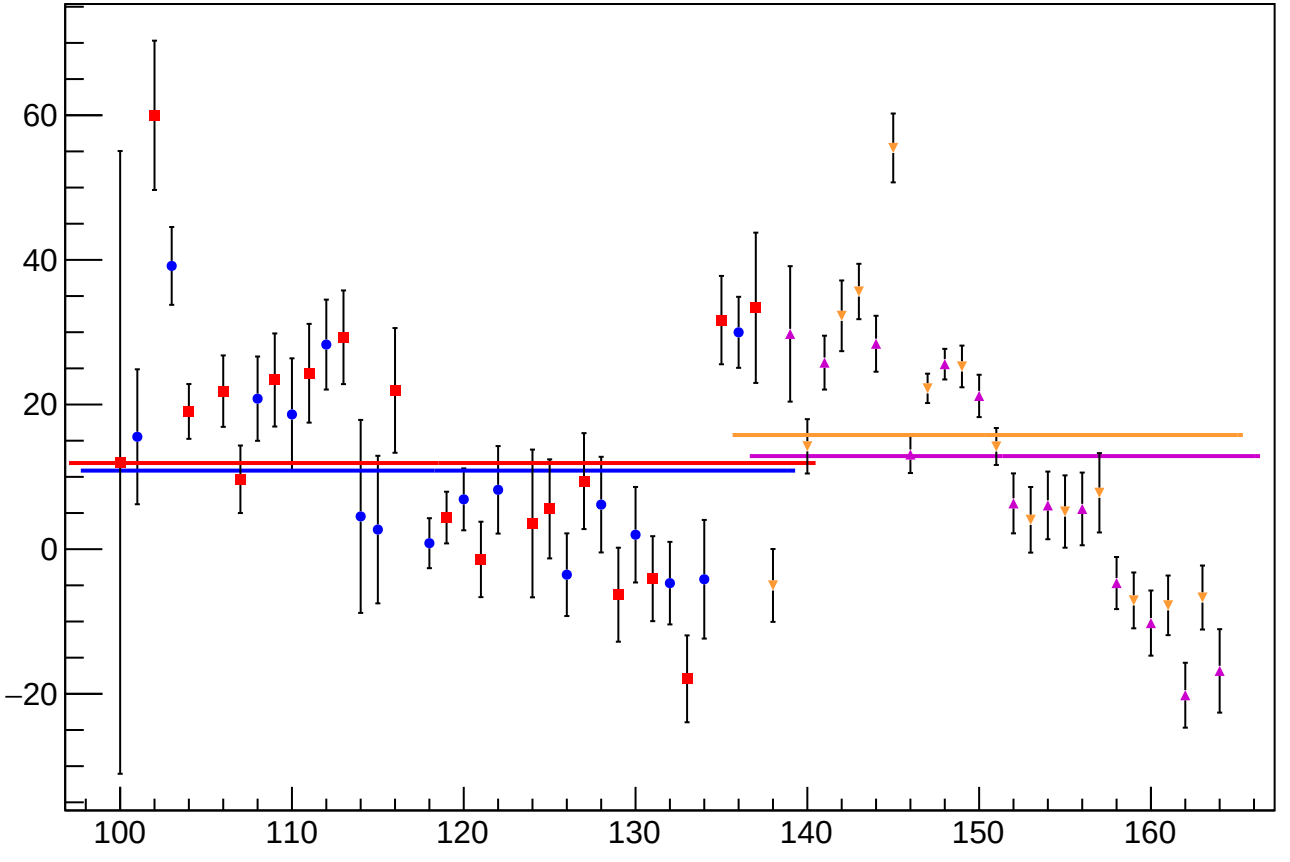
Left In: -270.194+/-1.524 χ^2/NDF:189.4/12

+ sign -259.140+/-1.033 χ^2/NDF: 2213.8/29

All: -254.104+/-0.720 χ^2/NDF: 5158.2/61

- 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: 15.787+/-0.962 χ^2/NDF:253.1/13

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

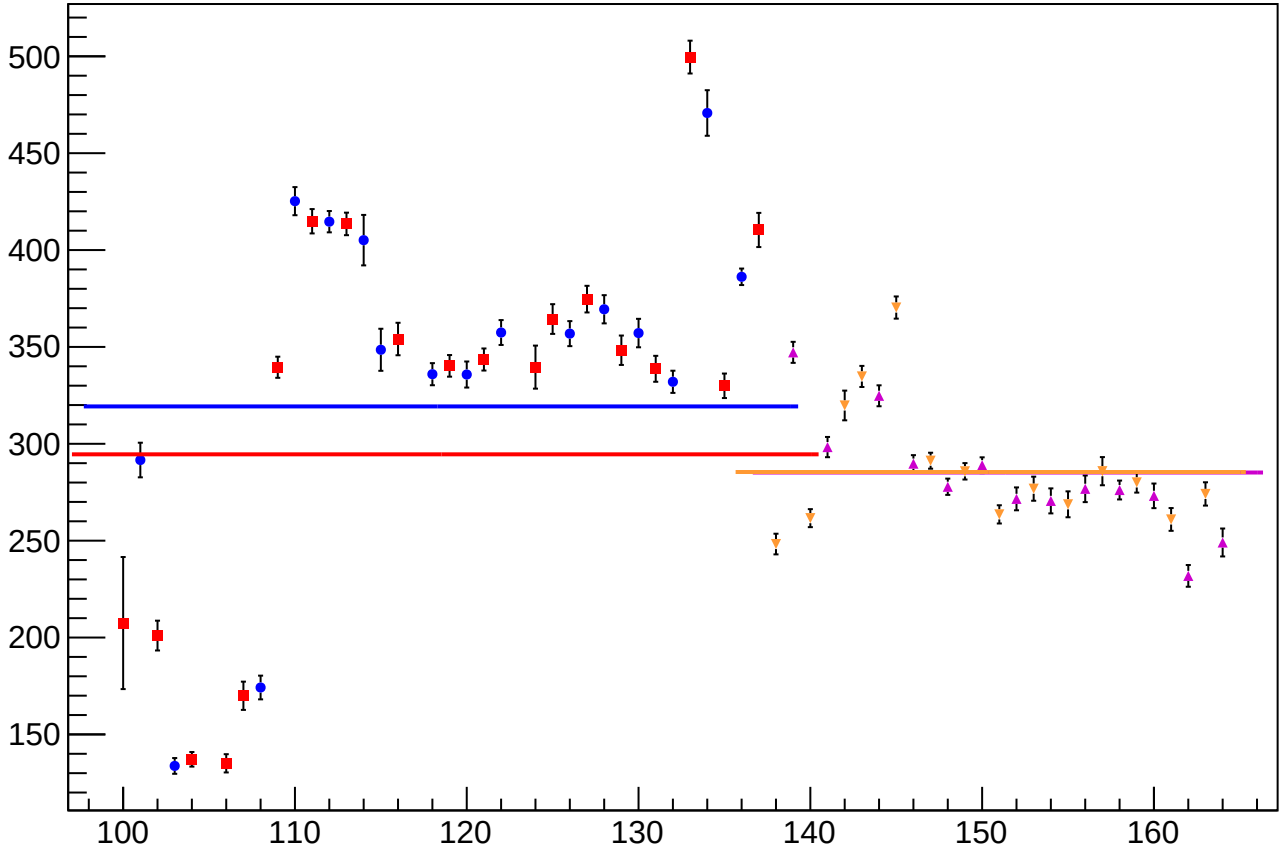
Left In: 12.871+/-1.003 χ^2/NDF:213.2/12

+ sign 14.311+/-0.805 χ^2/NDF: 345.6/29

All: 13.427+/-0.571 χ^2/NDF: 673.4/61

- 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: 285.444+/-1.440 χ^2/NDF:450.5/13

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

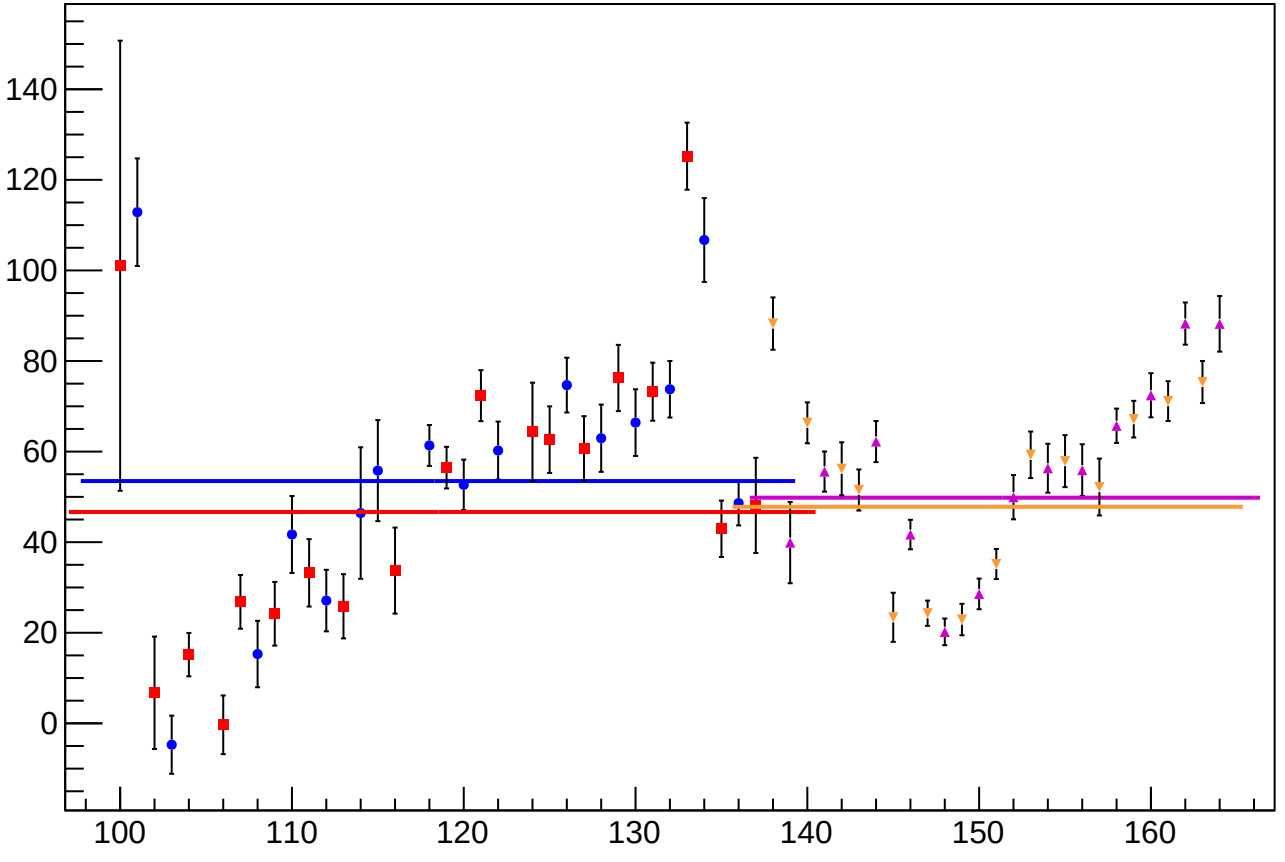
Left In: 285.182+/-1.466 χ^2/NDF:330.3/12

+ sign 300.738+/-1.066 χ^2/NDF: 4493.1/29

All: 295.158+/-0.745 χ^2/NDF: 10400.5/61

- 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: 47.805+/-1.157 χ^2/NDF:320.9/13

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

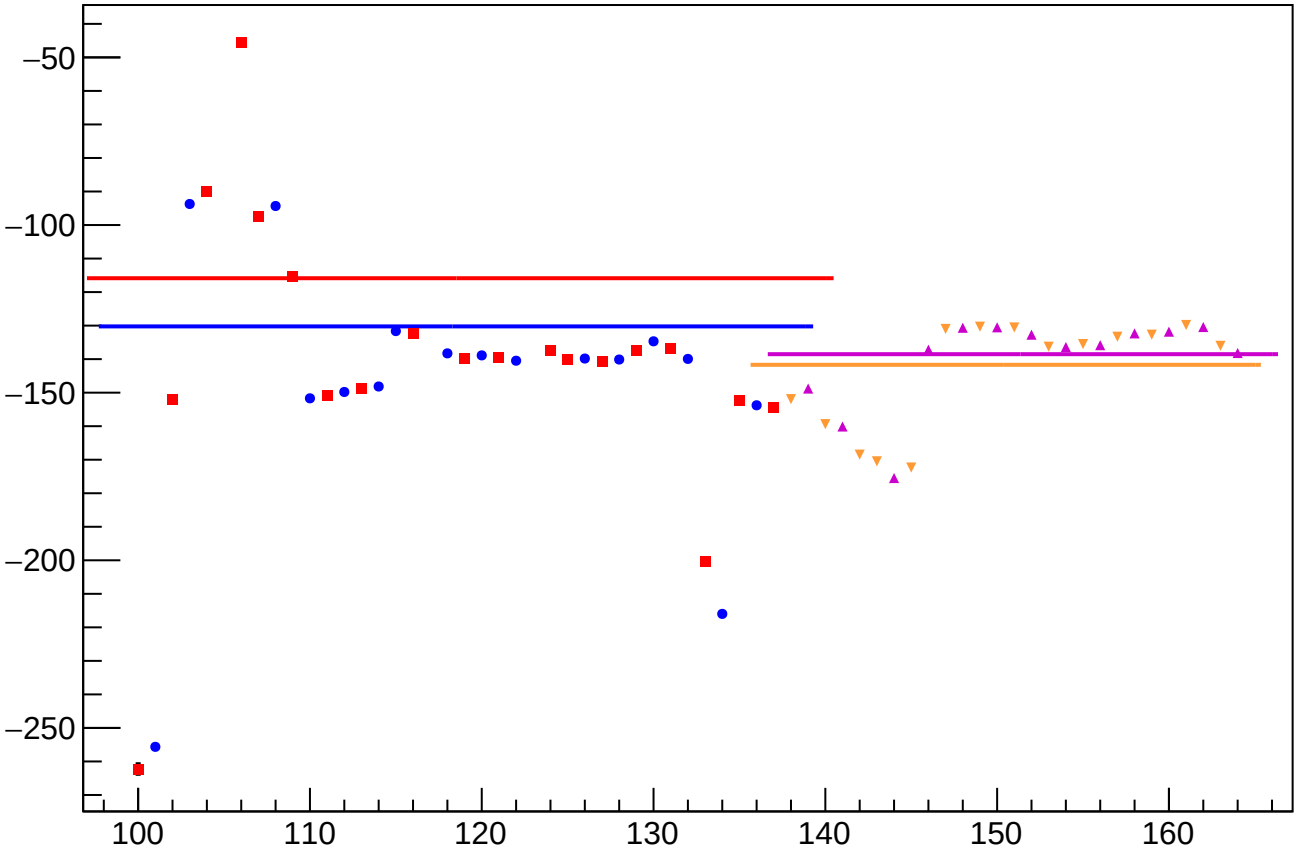
Left In: 49.820+/-1.195 χ^2/NDF:306.3/12

\+ sign 49.608+/-0.956 χ^2/NDF: 545.8/29

All: 49.146+/-0.676 χ^2/NDF: 1180.7/61

\- 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: -141.693+/-0.056 χ^2/NDF:71313.1/13

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

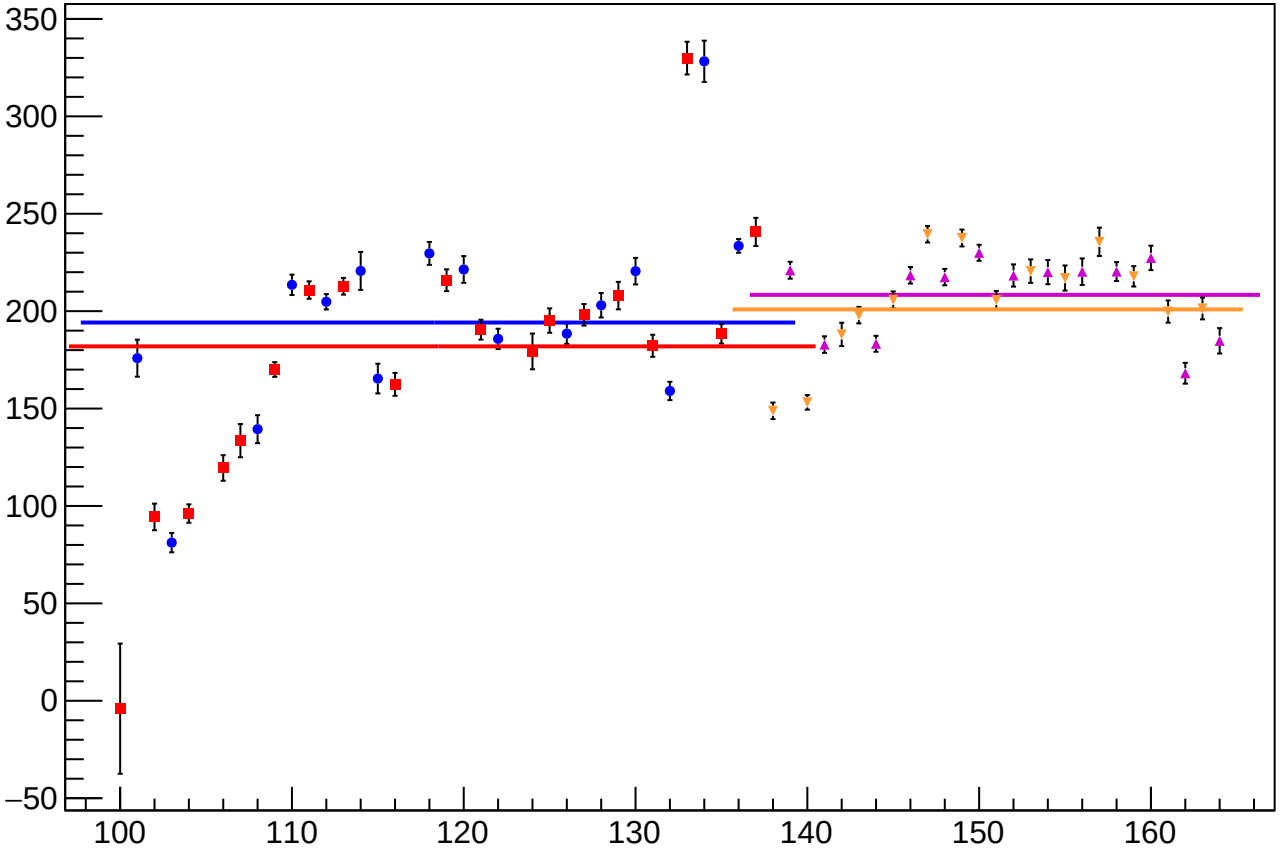
Left In: -138.521+/-0.056 χ^2/NDF:45493.7/12

+ sign -138.546+/-0.048 χ^2/NDF: 256998.3/29

All: -135.084+/-0.033 χ^2/NDF: 567690.9/61

- 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: 200.898+/-1.301 χ^2/NDF:526.2/13

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

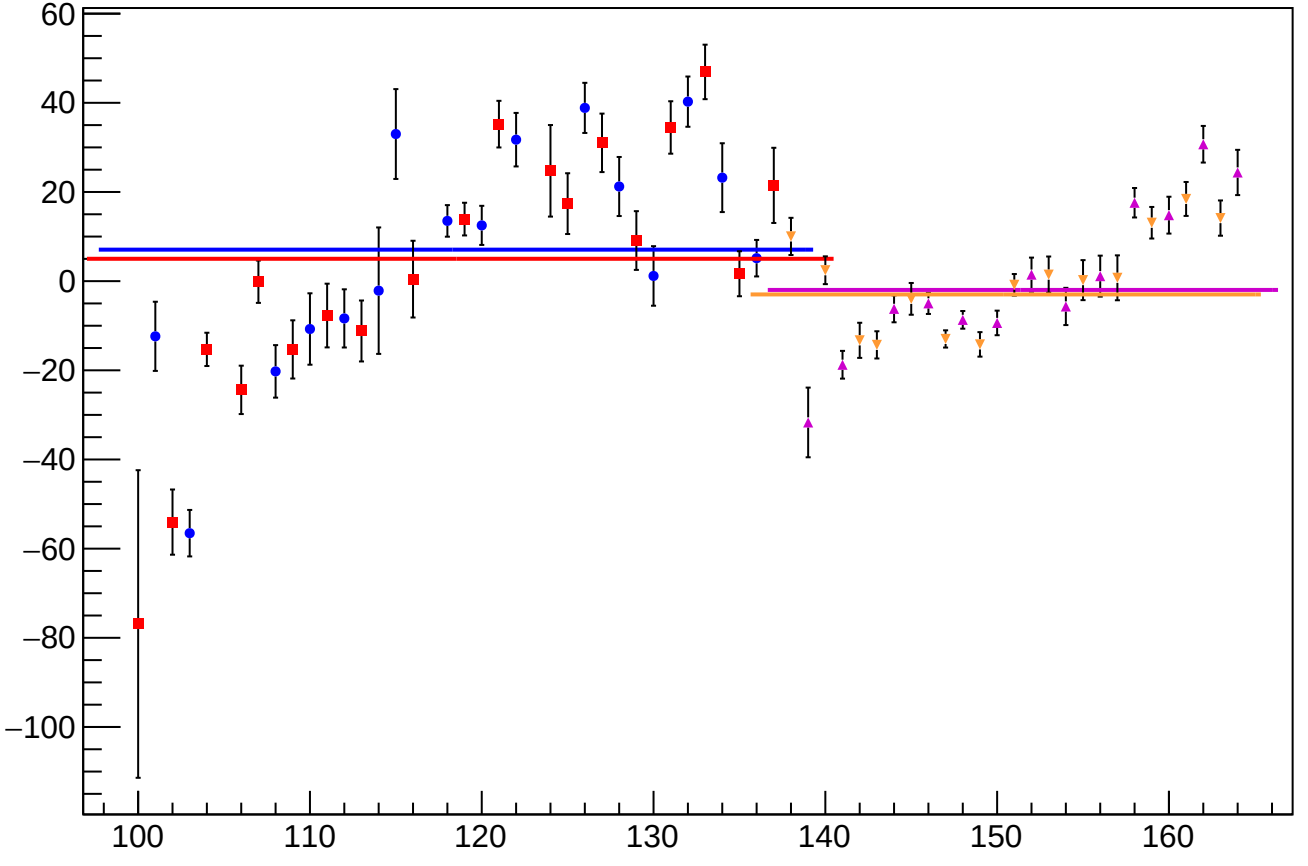
Left In: 208.366+/-1.355 χ^2/NDF:214.9/12

+ sign 197.794+/-0.955 χ^2/NDF: 1573.8/29

All: 196.291+/-0.672 χ^2/NDF: 3193.4/61

- 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: -2.980+/-0.863 χ^2/NDF:150.8/13

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

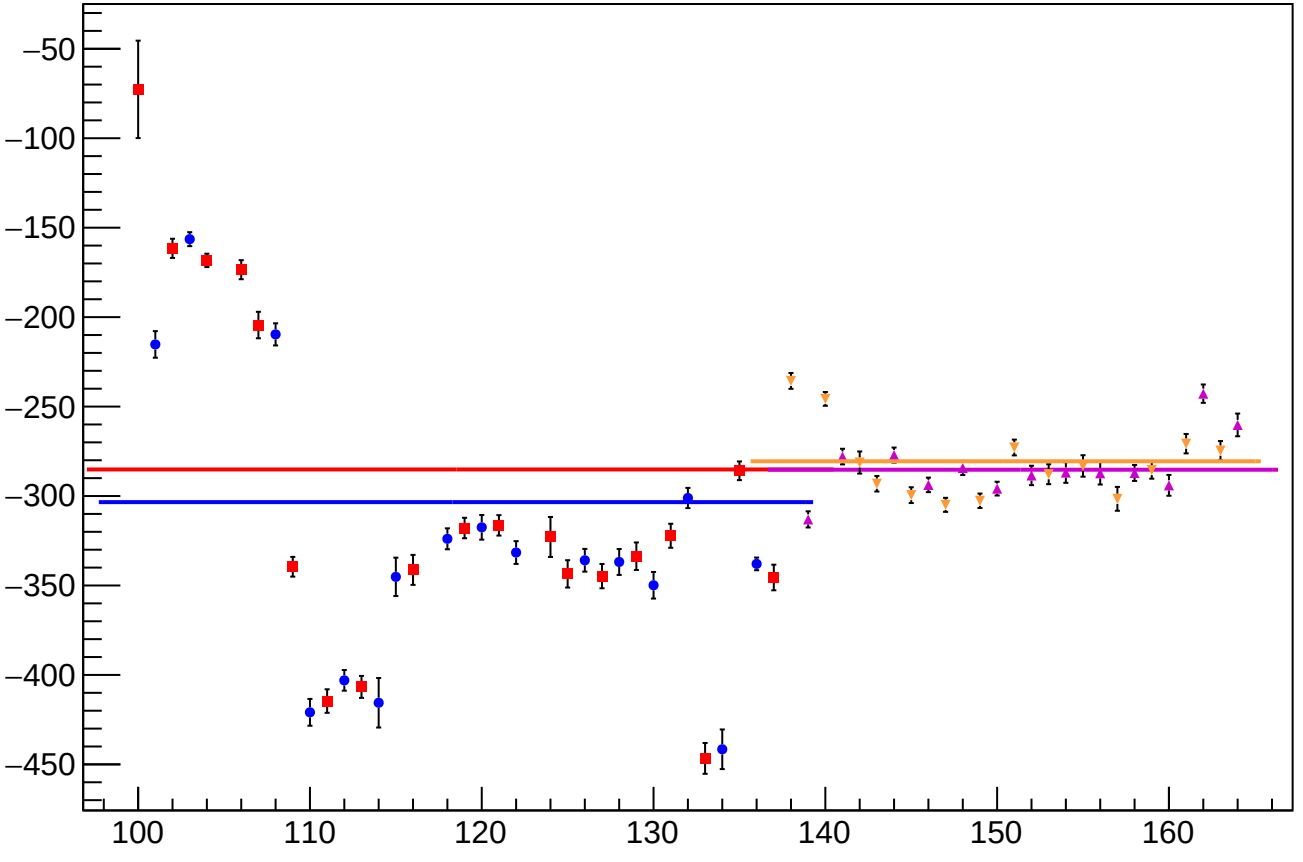
Left In: -1.970+/-0.908 χ^2/NDF:209.5/12

+ sign -0.335+/-0.740 χ^2/NDF: 479.0/29

All: -0.075+/-0.528 χ^2/NDF: 995.7/61

- 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: -280.572+/-1.270 χ^2/NDF:300.4/13

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

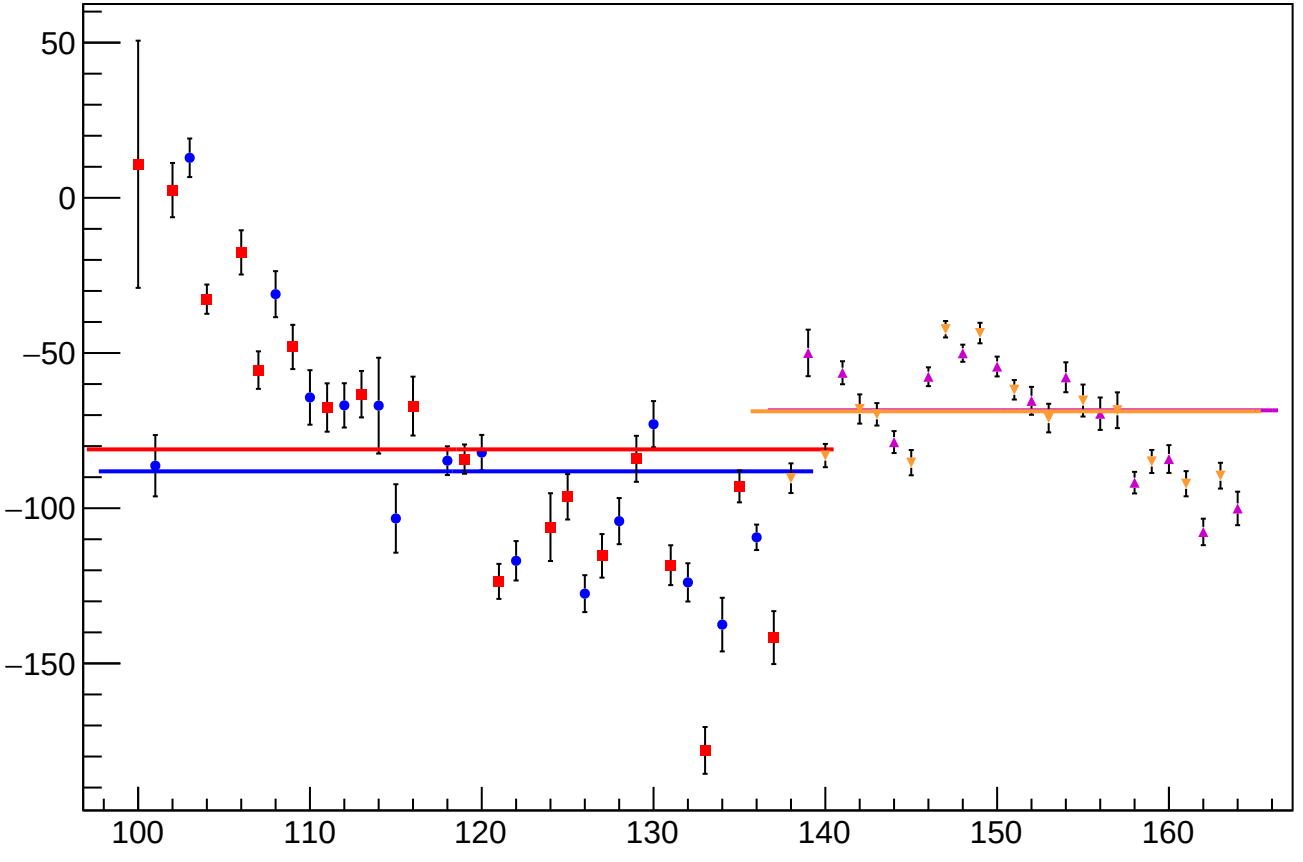
Left In: -285.289+/-1.310 χ^2/NDF:143.5/12

+ sign -289.887+/-0.977 χ^2/NDF: 3217.8/29

All: -287.545+/-0.689 χ^2/NDF: 7127.5/61

- 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: -68.770+/-1.032 χ^2/NDF:291.4/13

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

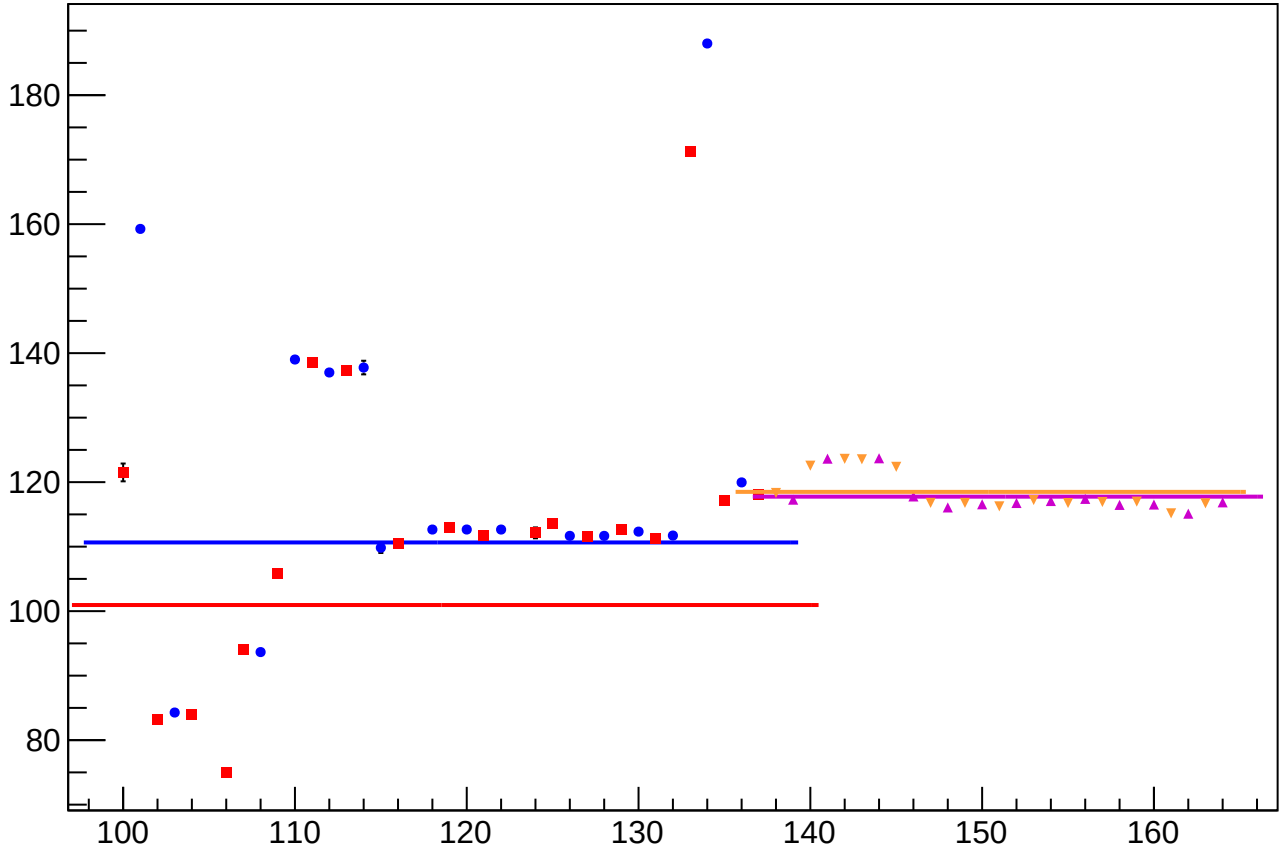
Left In: -68.466+/-1.078 χ^2/NDF:283.3/12

+ sign -74.188+/-0.876 χ^2/NDF: 901.8/29

All: -73.356+/-0.624 χ^2/NDF: 1908.1/61

- 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: 118.493+/-0.050 χ^2/NDF:3245.9/13

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

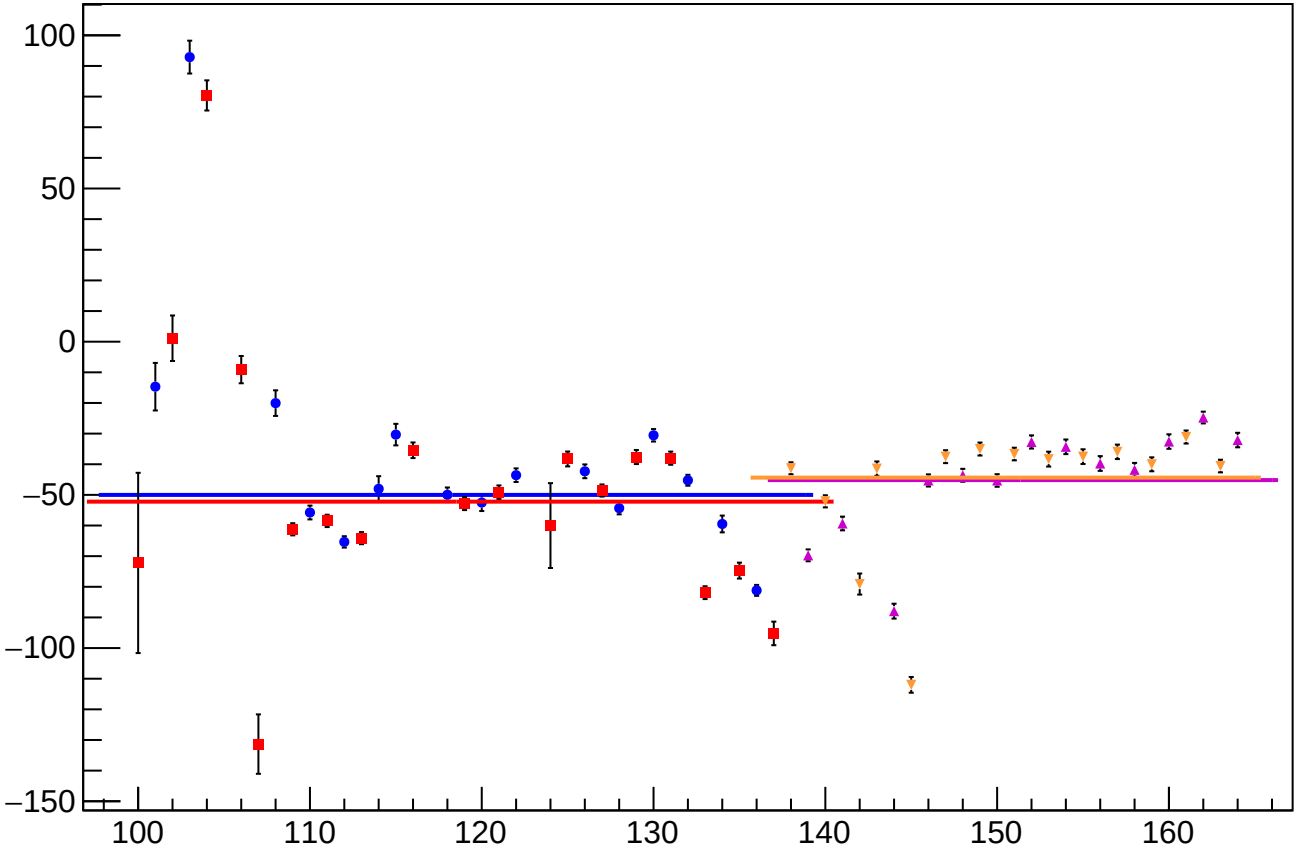
Left In: 117.752+/-0.050 χ^2/NDF:2609.6/12

+ sign 116.532+/-0.043 χ^2/NDF: 93030.4/29

All: 114.801+/-0.030 χ^2/NDF: 191996.2/61

- 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: -44.367+/-0.599 χ^2/NDF:929.1/13

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

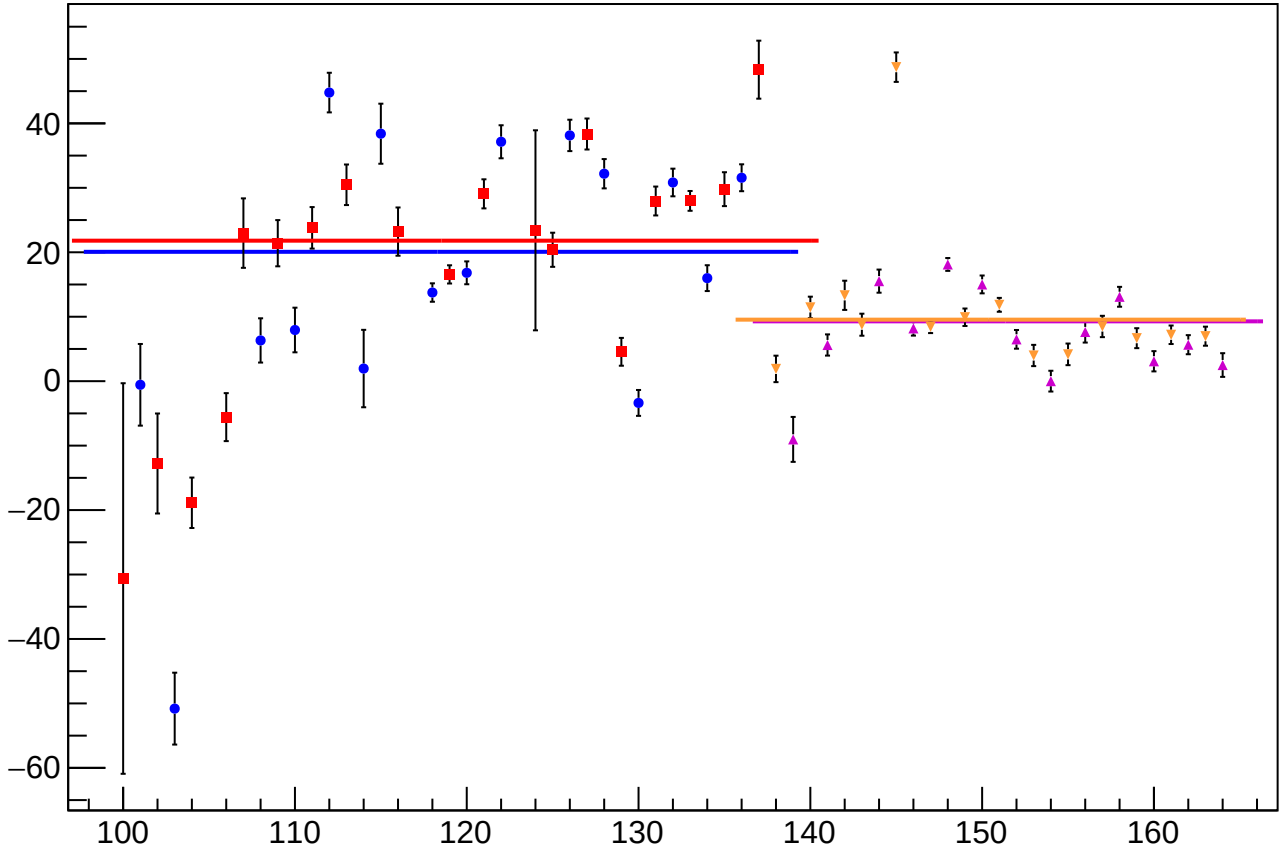
Left In: -45.172+/-0.605 χ^2/NDF:743.0/12

\+ sign -47.138+/-0.428 χ^2/NDF: 2300.0/29

All: -47.913+/-0.302 χ^2/NDF: 4687.5/61

\- 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: 9.545+/-0.400 χ^2/NDF:349.1/13

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

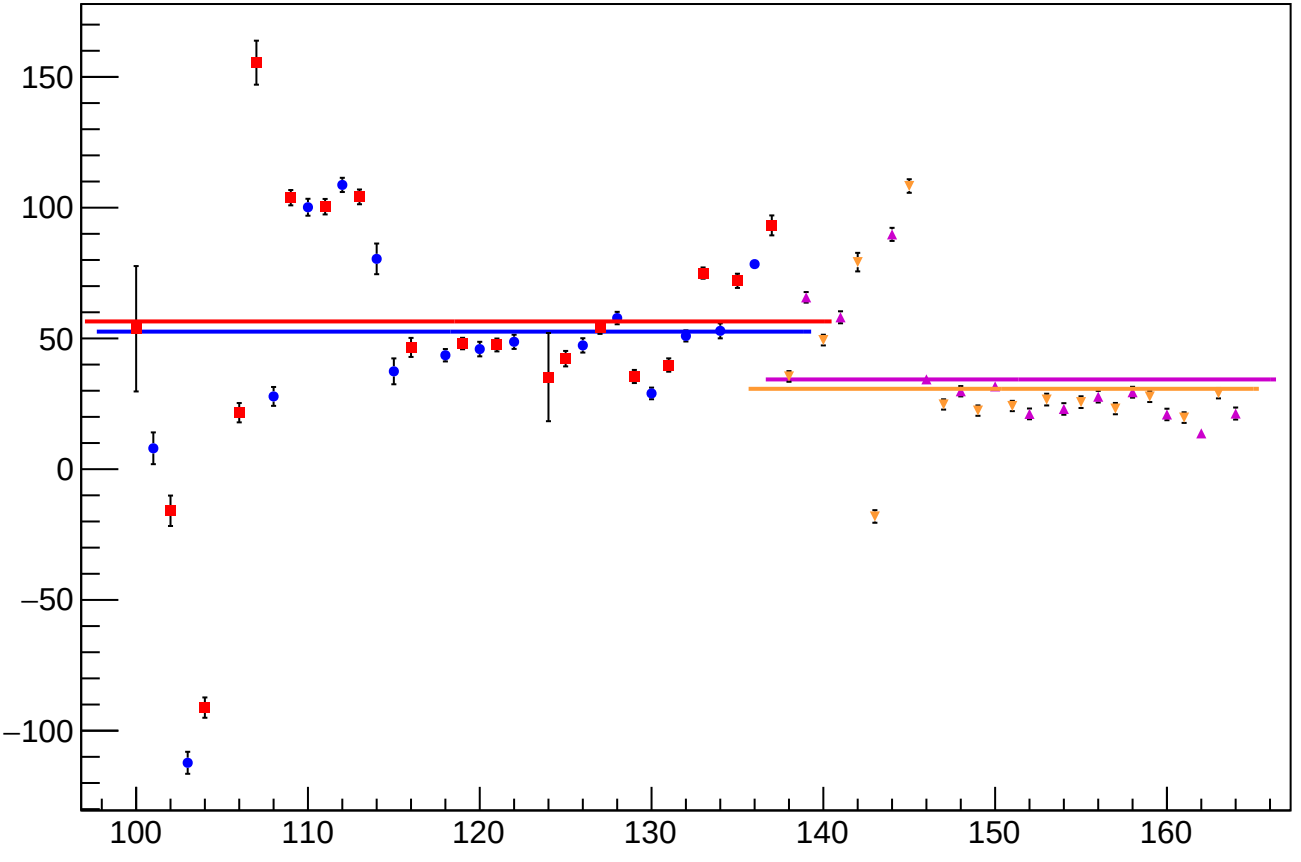
Left In: 9.282+/-0.412 χ^2/NDF:220.3/12

\+ sign 12.698+/-0.335 χ^2/NDF: 1192.6/29

All: 12.892+/-0.240 χ^2/NDF: 2091.6/61

\- 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: 30.733+/-0.579 χ^2/NDF:1668.4/13

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

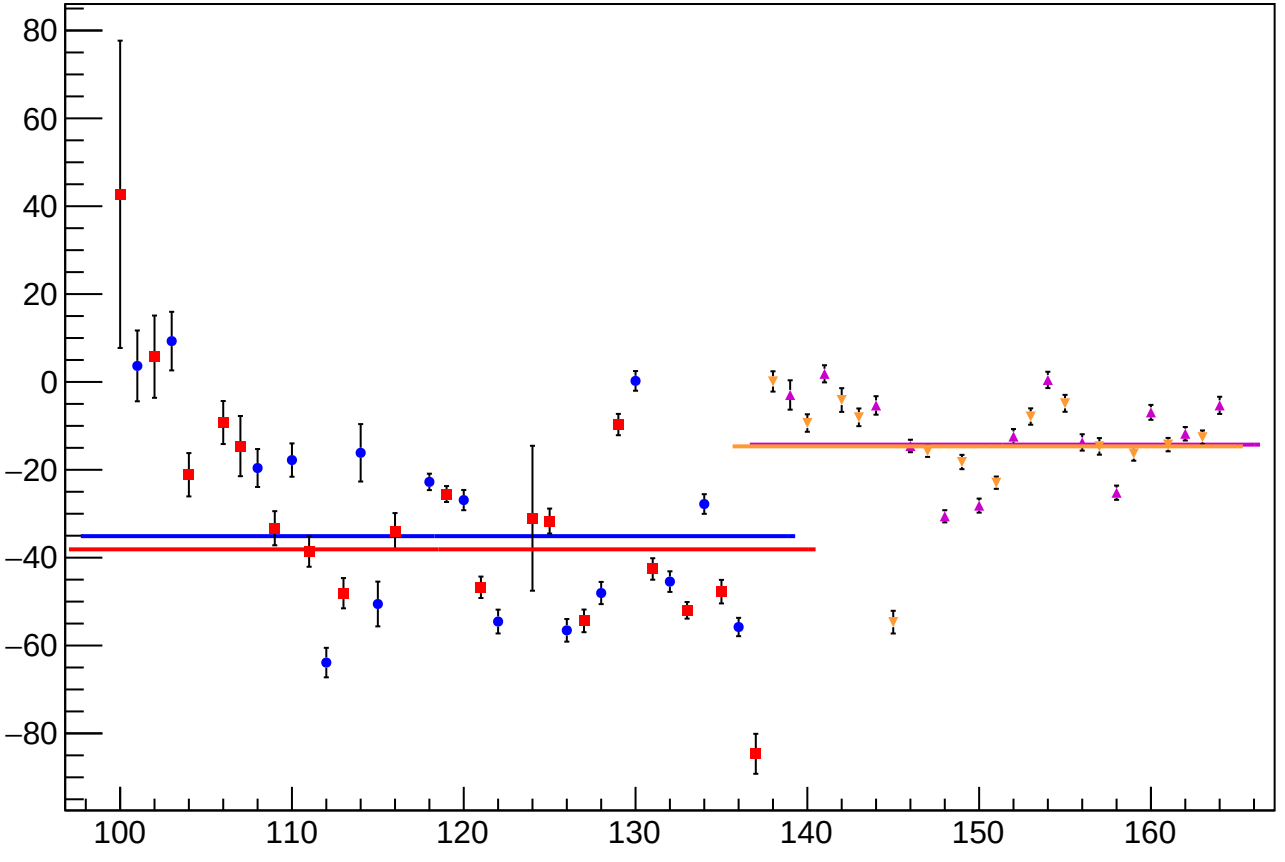
Left In: 34.319+/-0.581 χ^2/NDF:1120.7/12

+ sign 39.679+/-0.445 χ^2/NDF: 4910.9/29

All: 41.473+/-0.316 χ^2/NDF: 9618.4/61

- 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: -14.661+/-0.472 χ^2/NDF:396.2/13

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

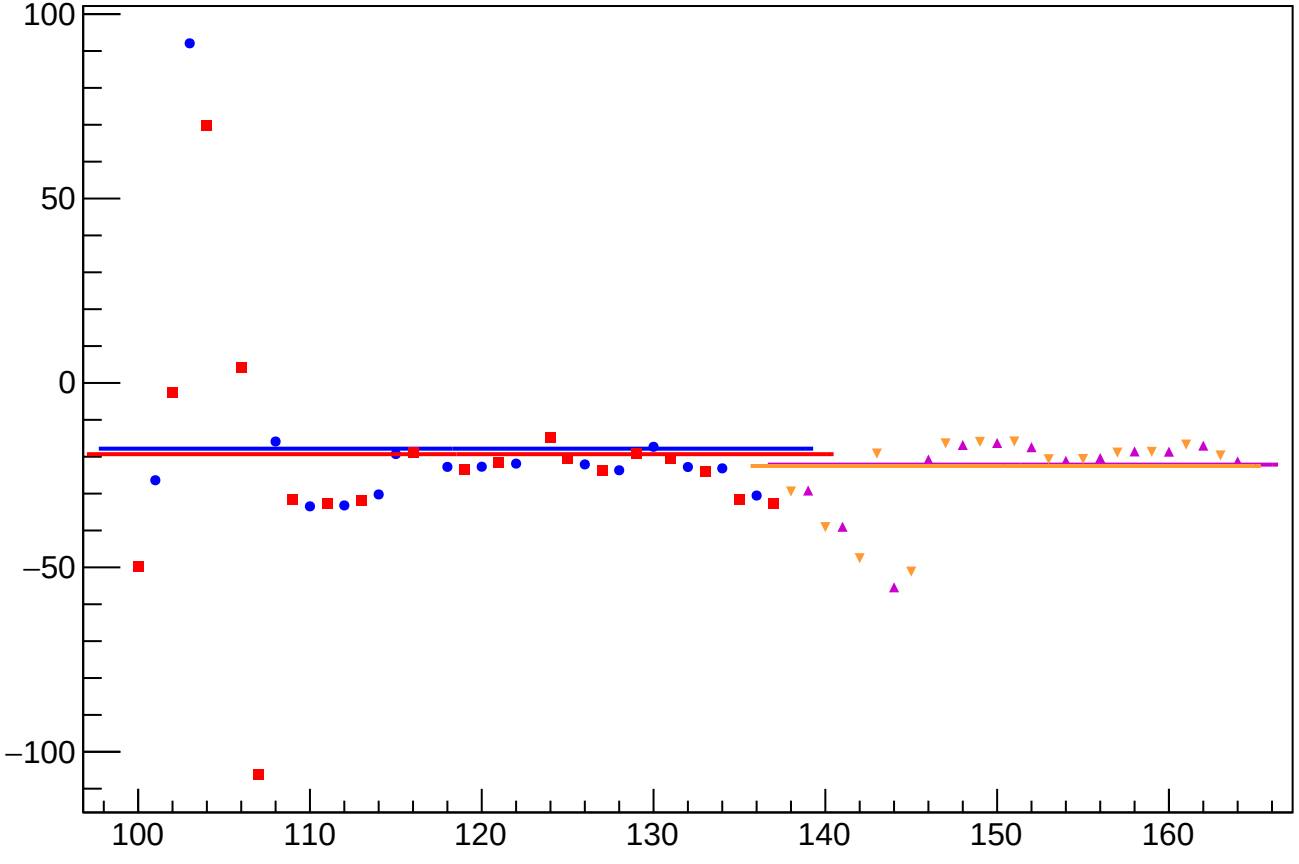
Left In: -14.270+/-0.481 χ^2/NDF:463.4/12

+ sign -21.052+/-0.391 χ^2/NDF: 1755.5/29

All: -21.380+/-0.279 χ^2/NDF: 3501.5/61

- 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: -22.513+/-0.022 χ^2/NDF:183385.7/13

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

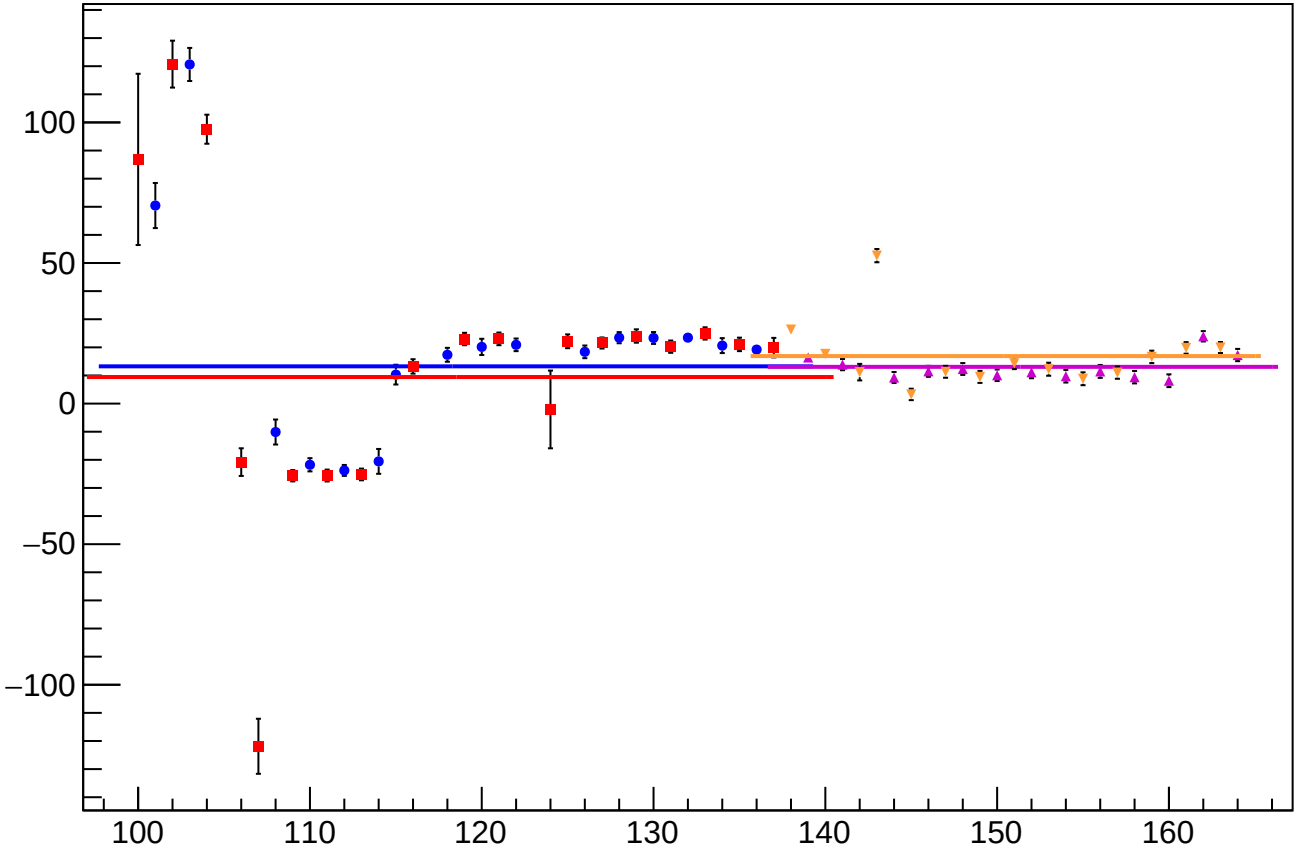
Left In: -22.139+/-0.022 χ^2/NDF:155082.4/12

+ sign -21.555+/-0.020 χ^2/NDF: 618883.3/29

All: -21.589+/-0.014 χ^2/NDF: 1121679.0/61

- 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: 16.896+/-0.565 χ^2/NDF:354.6/13

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

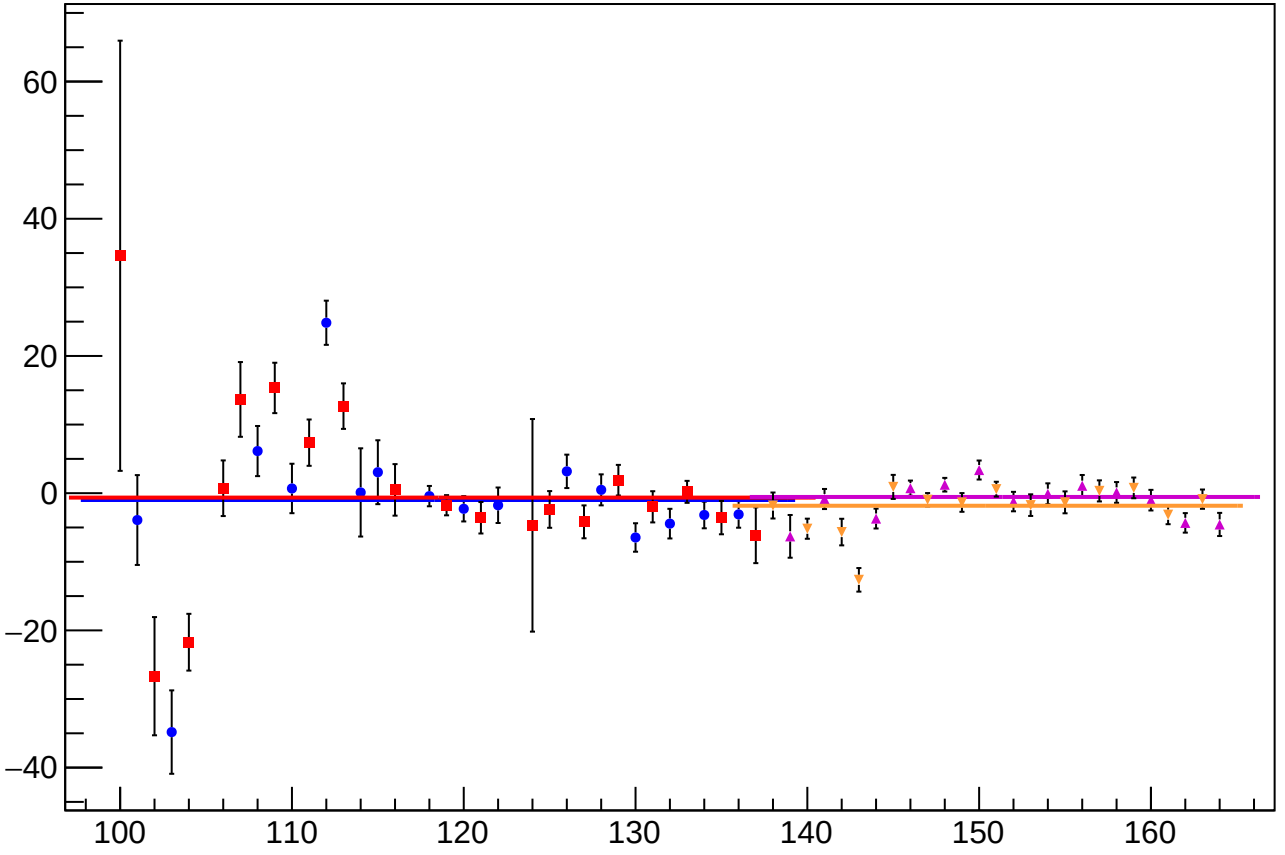
Left In: 13.068+/-0.569 χ^2/NDF:60.1/12

+ sign 15.228+/-0.416 χ^2/NDF: 1556.2/29

All: 13.322+/-0.295 χ^2/NDF: 3513.7/61

- 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: -1.833+/-0.384 χ^2/NDF:63.3/13

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

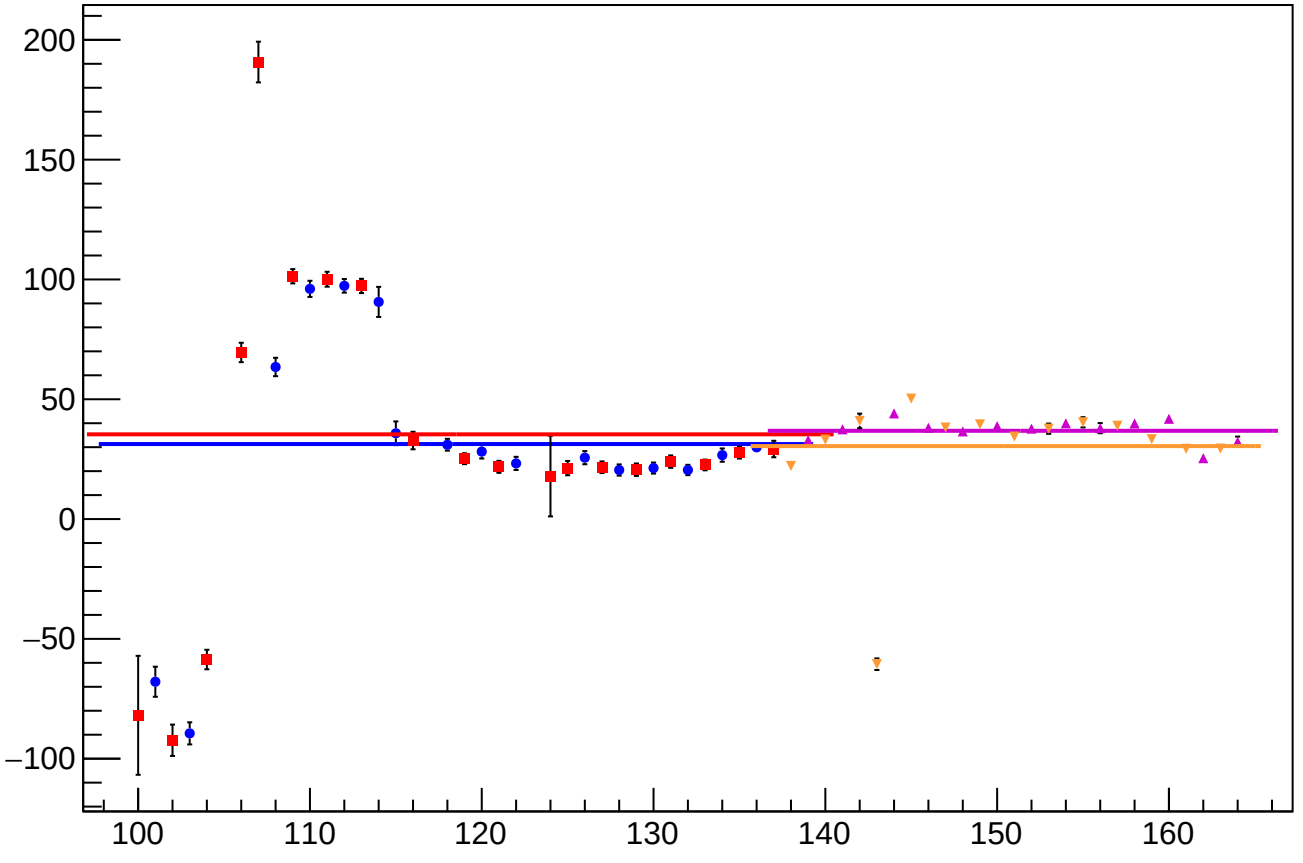
Left In: -0.551+/-0.393 χ^2/NDF:35.2/12

+ sign -1.600+/-0.326 χ^2/NDF: 181.0/29

All: -1.102+/-0.234 χ^2/NDF: 315.2/61

- 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: 30.454+/-0.548 χ^2/NDF:1625.6/13

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

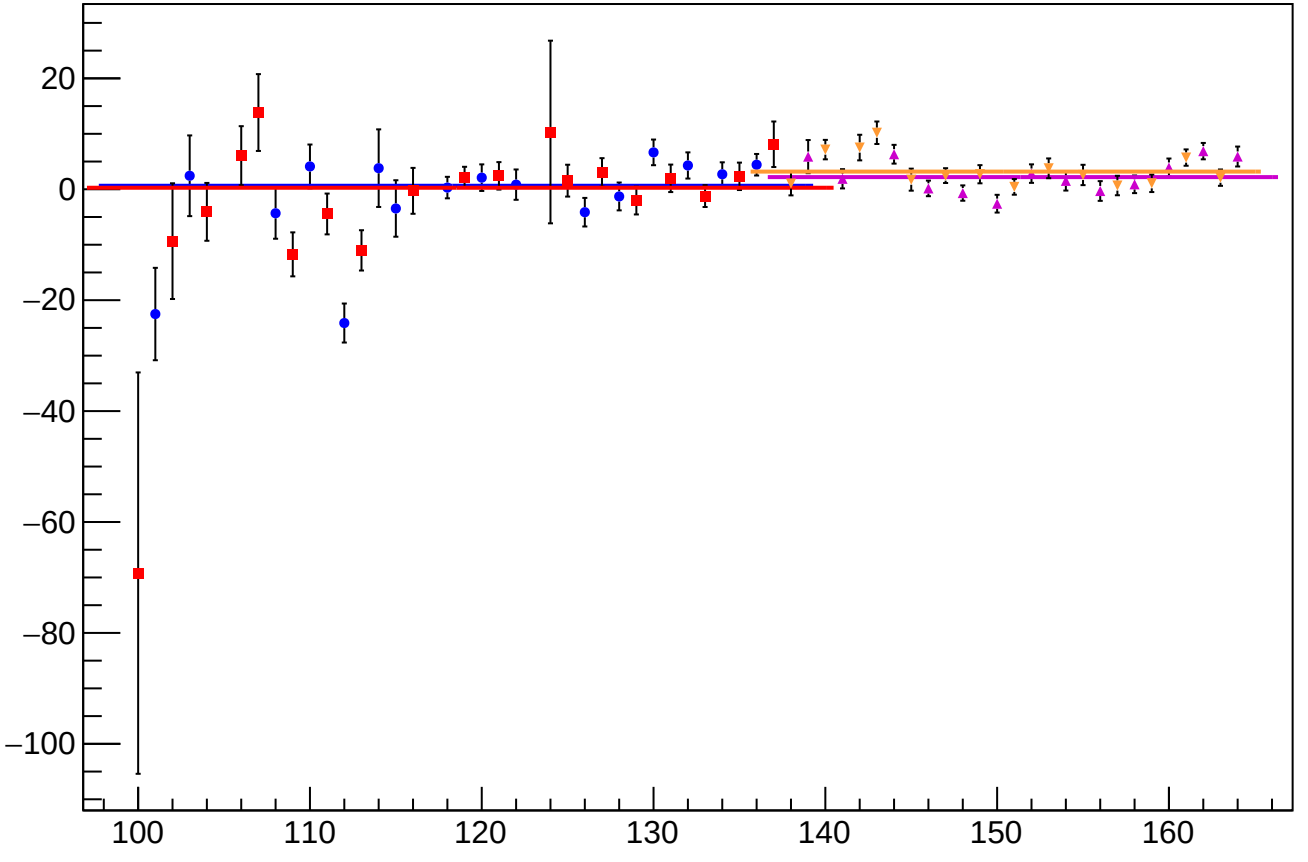
Left In: 36.836+/-0.549 χ^2/NDF:76.1/12

+ sign 30.779+/-0.431 χ^2/NDF: 3712.4/29

All: 33.507+/-0.307 χ^2/NDF: 6769.7/61

- 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: 3.187+/-0.451 χ^2/NDF:33.9/13

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

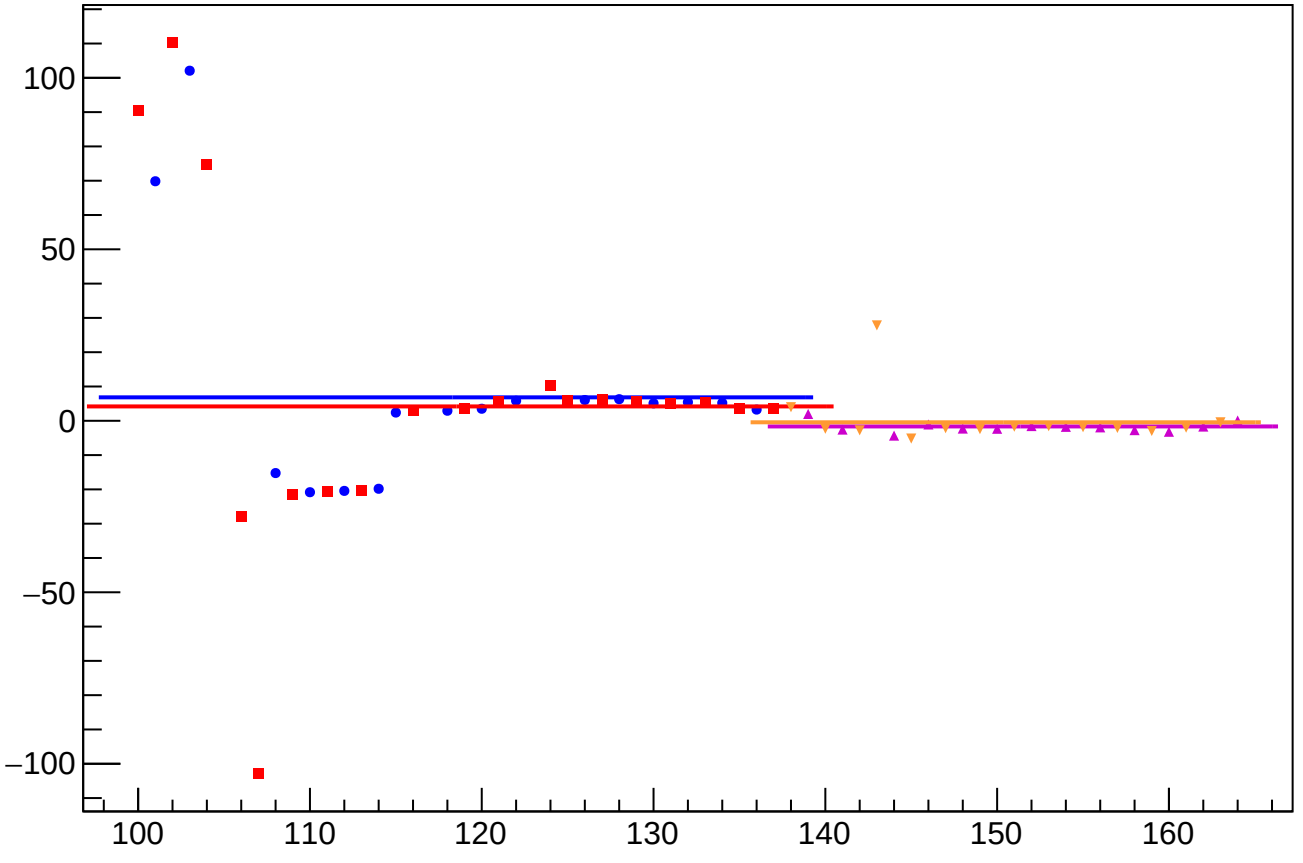
Left In: 2.194+/-0.459 χ^2/NDF:41.3/12

+ sign 2.445+/-0.380 χ^2/NDF: 121.6/29

All: 2.054+/-0.271 χ^2/NDF: 210.6/61

- 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: -0.437+/-0.021 χ^2/NDF:90786.1/13

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

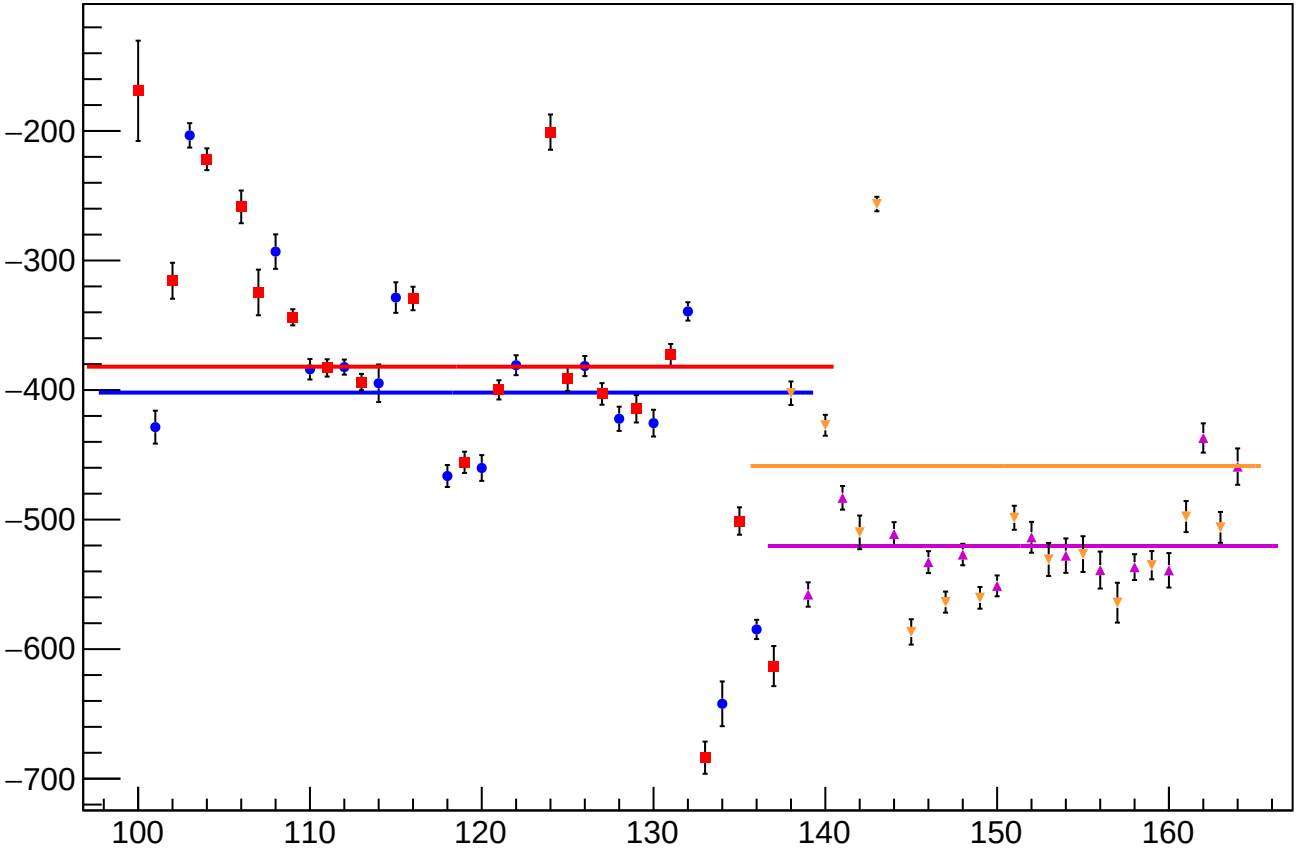
Left In: -1.643+/-0.021 χ^2/NDF:5554.7/12

+ sign 0.938+/-0.019 χ^2/NDF: 435122.4/29

All: 0.135+/-0.013 χ^2/NDF: 892230.9/61

- 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: -458.642+/-2.541 χ^2/NDF:2062.8/13

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

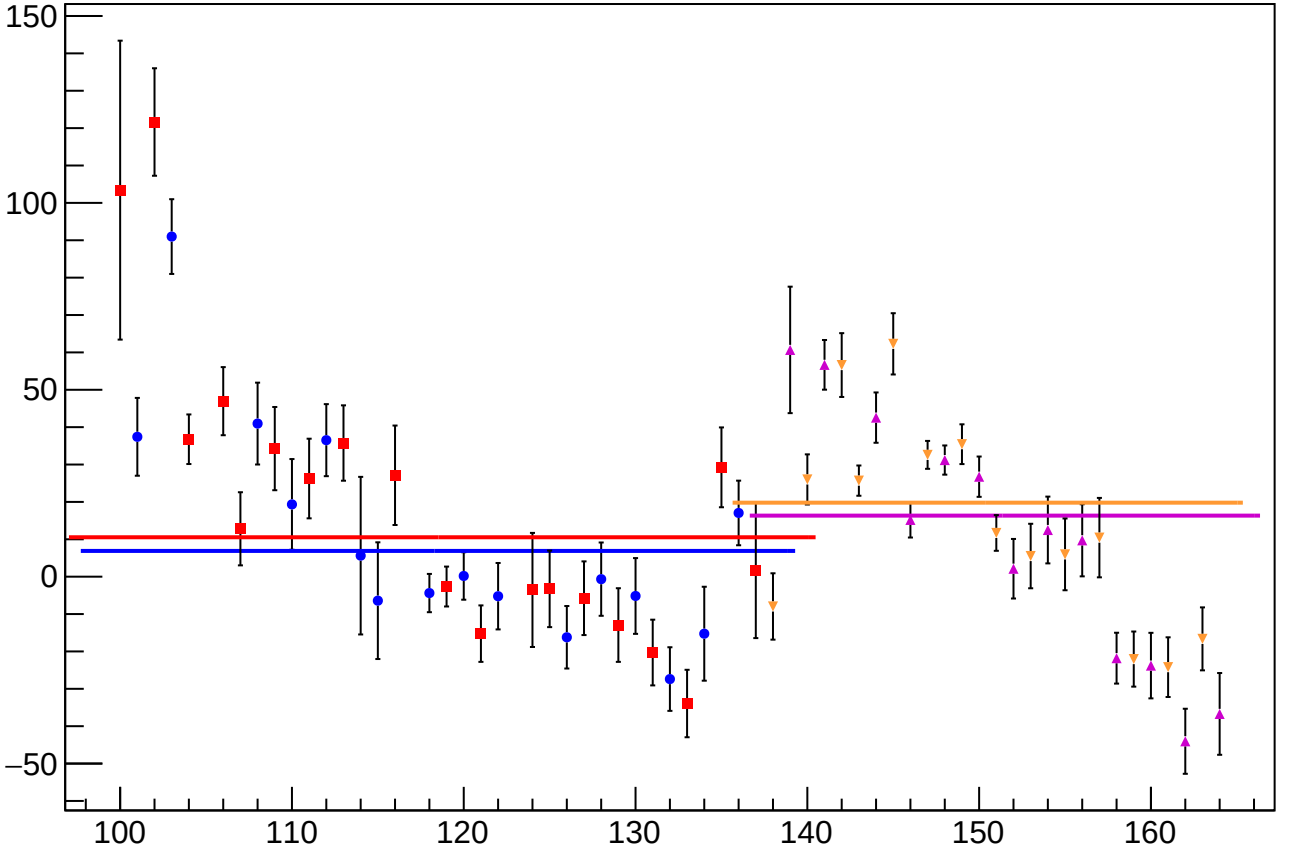
Left In: -520.382+/-2.823 χ^2/NDF:131.4/12

+ sign -426.700+/-1.679 χ^2/NDF: 3906.5/29

All: -429.321+/-1.194 χ^2/NDF: 7395.6/61

- 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: 19.798+/-1.674 χ^2/NDF:168.4/13

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

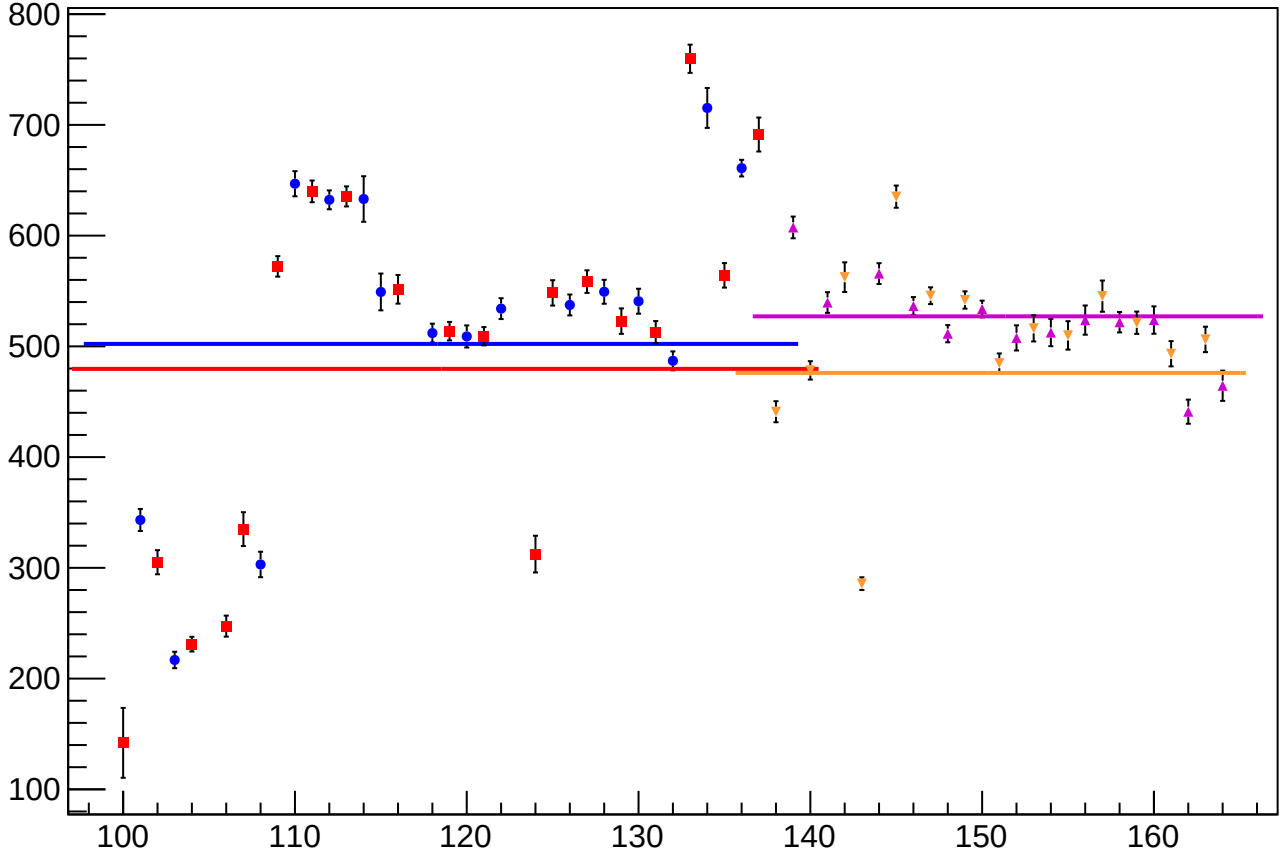
Left In: 16.334+/-1.862 χ^2/NDF:205.1/12

+ sign 15.235+/-1.346 χ^2/NDF: 327.8/29

All: 14.610+/-0.977 χ^2/NDF: 717.4/61

- 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: 476.003+/-2.488 χ^2/NDF:1633.9/13

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

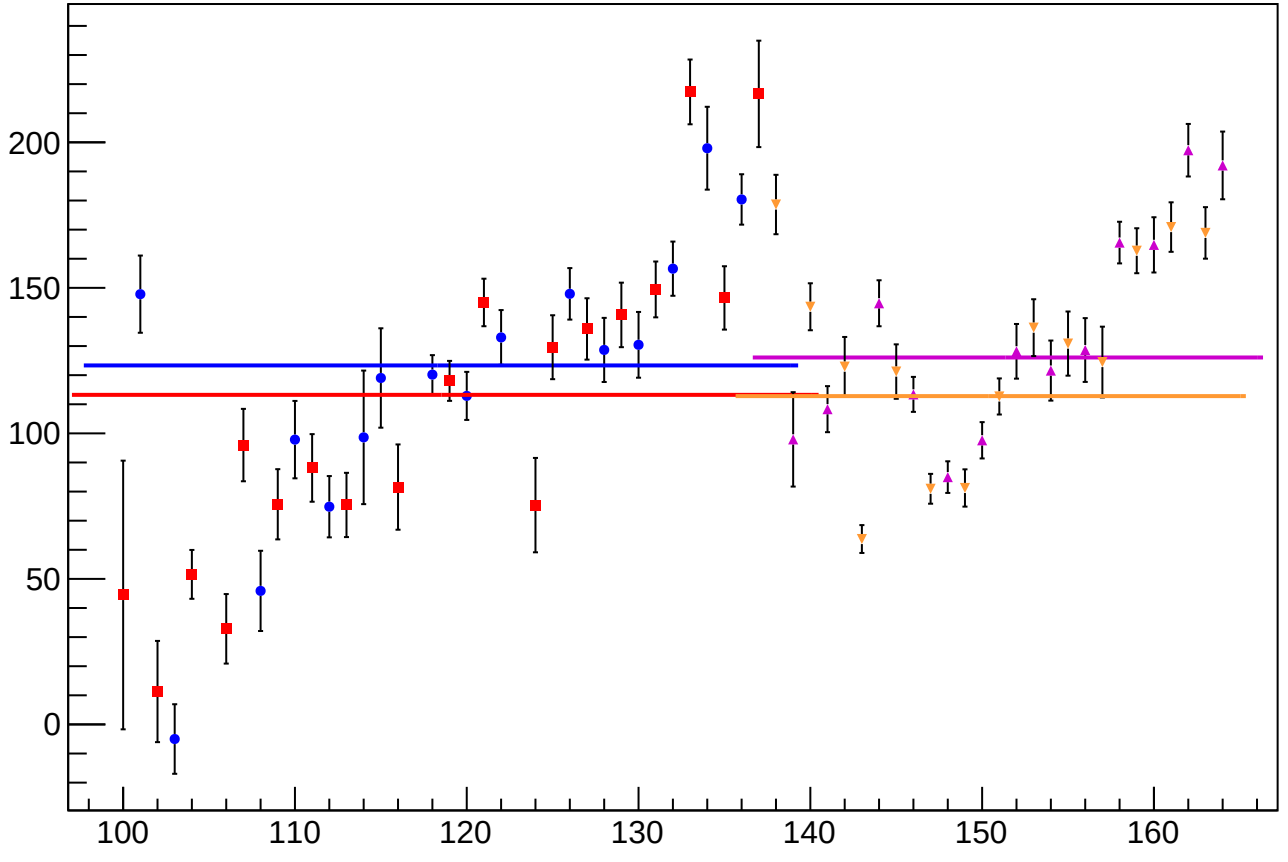
Left In: 527.105+/-2.722 χ^2/NDF:180.4/12

+ sign 489.085+/-1.761 χ^2/NDF: 4824.4/29

All: 494.627+/-1.259 χ^2/NDF: 9334.5/61

- 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: 112.803+/-2.013 χ^2/NDF:364.0/13

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

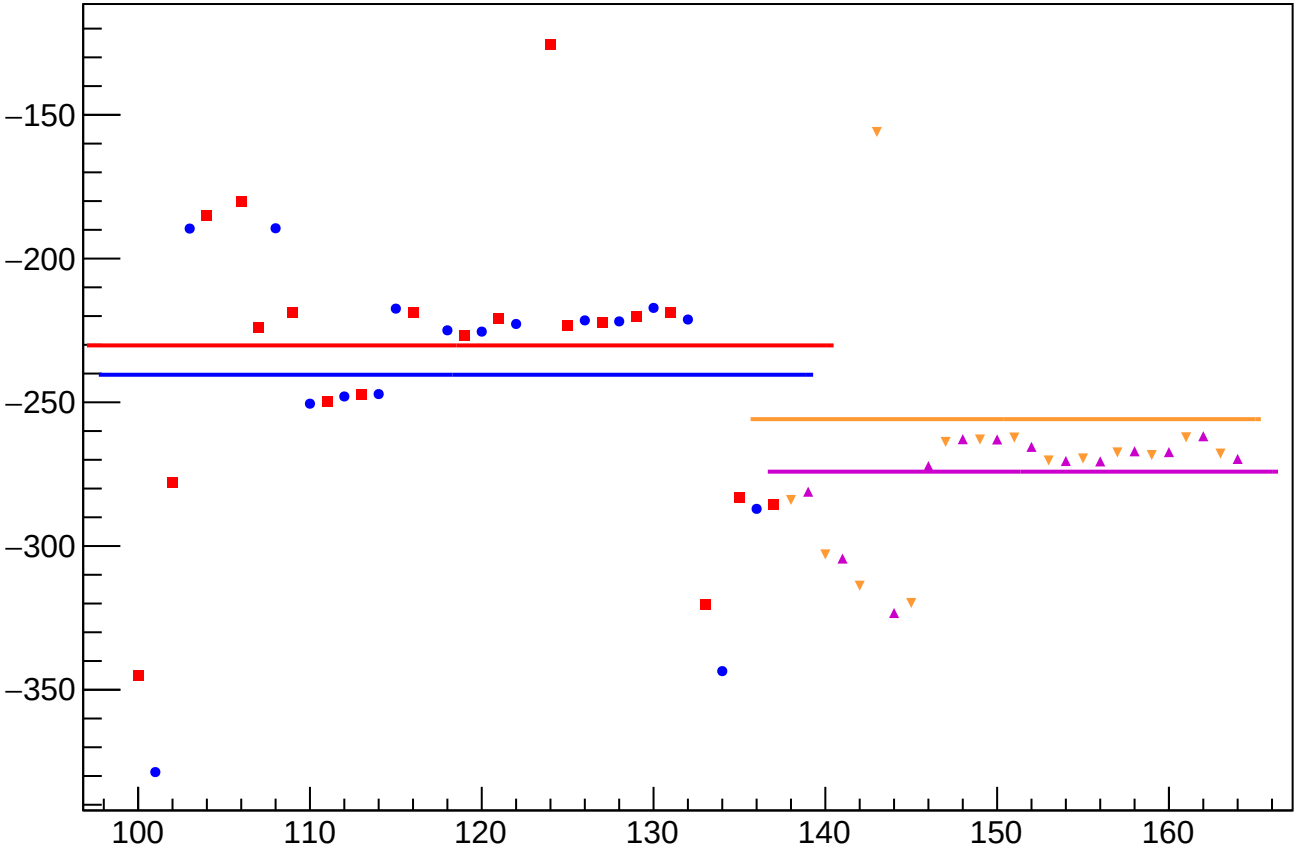
Left In: 126.073+/-2.223 χ^2/NDF:237.8/12

+ sign 116.702+/-1.598 χ^2/NDF: 645.5/29

All: 118.520+/-1.156 χ^2/NDF: 1246.2/61

- 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: -255.859+/-0.098 χ^2/NDF:239460.2/13

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

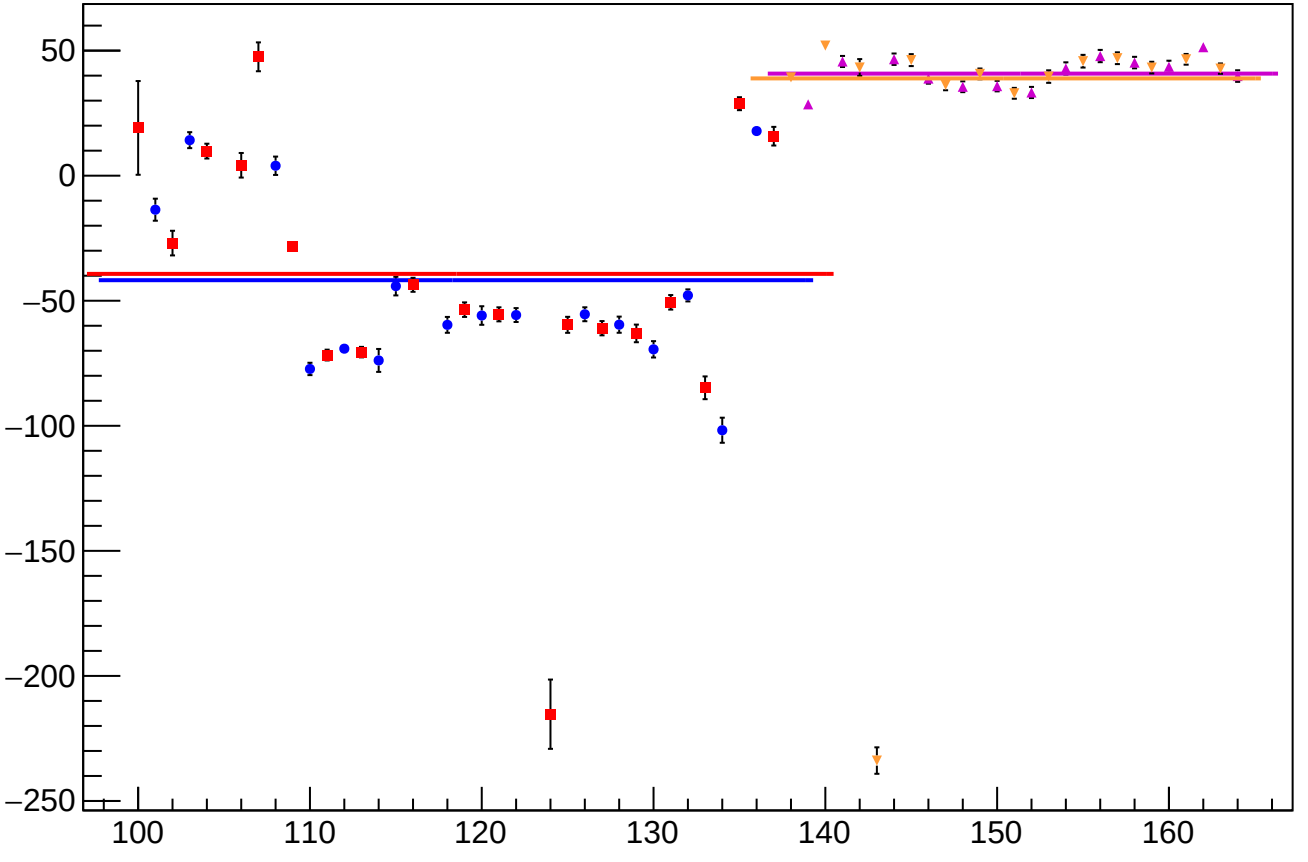
Left In: -274.128+/-0.104 χ^2/NDF:25260.9/12

+ sign -251.258+/-0.082 χ^2/NDF: 380999.0/29

All: -255.161+/-0.059 χ^2/NDF: 553972.1/61

- 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: 38.890+/-0.621 χ^2/NDF:2762.7/13

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

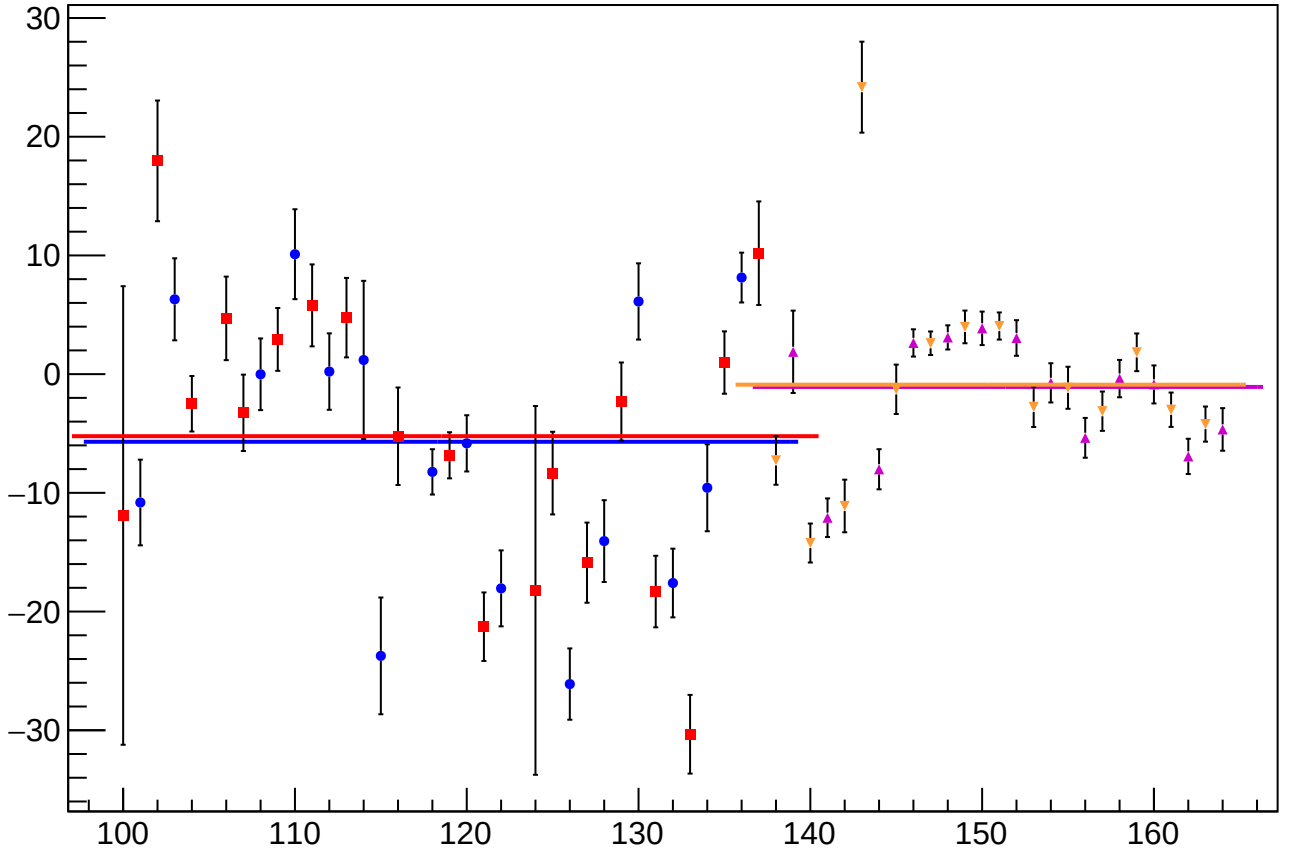
Left In: 40.806+/-0.609 χ^2/NDF:120.0/12

\+ sign 4.640+/-0.471 χ^2/NDF: 12331.4/29

All: 4.898+/-0.327 χ^2/NDF: 22626.8/61

\- 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: -0.888+/-0.416 χ^2/NDF:196.5/13

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

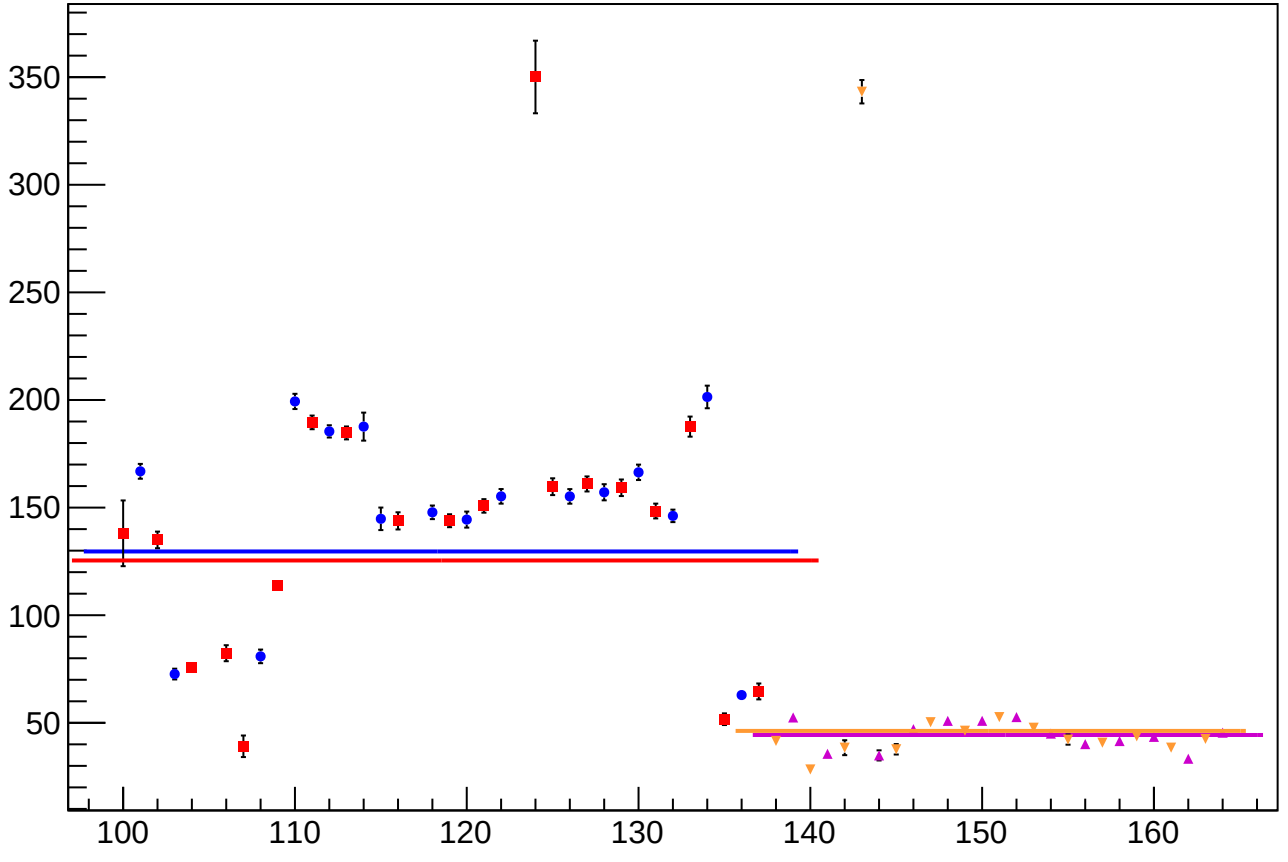
Left In: -1.078+/-0.417 χ^2/NDF:136.6/12

+ sign -2.012+/-0.364 χ^2/NDF: 424.5/29

All: -2.045+/-0.257 χ^2/NDF: 782.3/61

- 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: 46.245+/-0.600 χ^2/NDF:3125.0/13

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

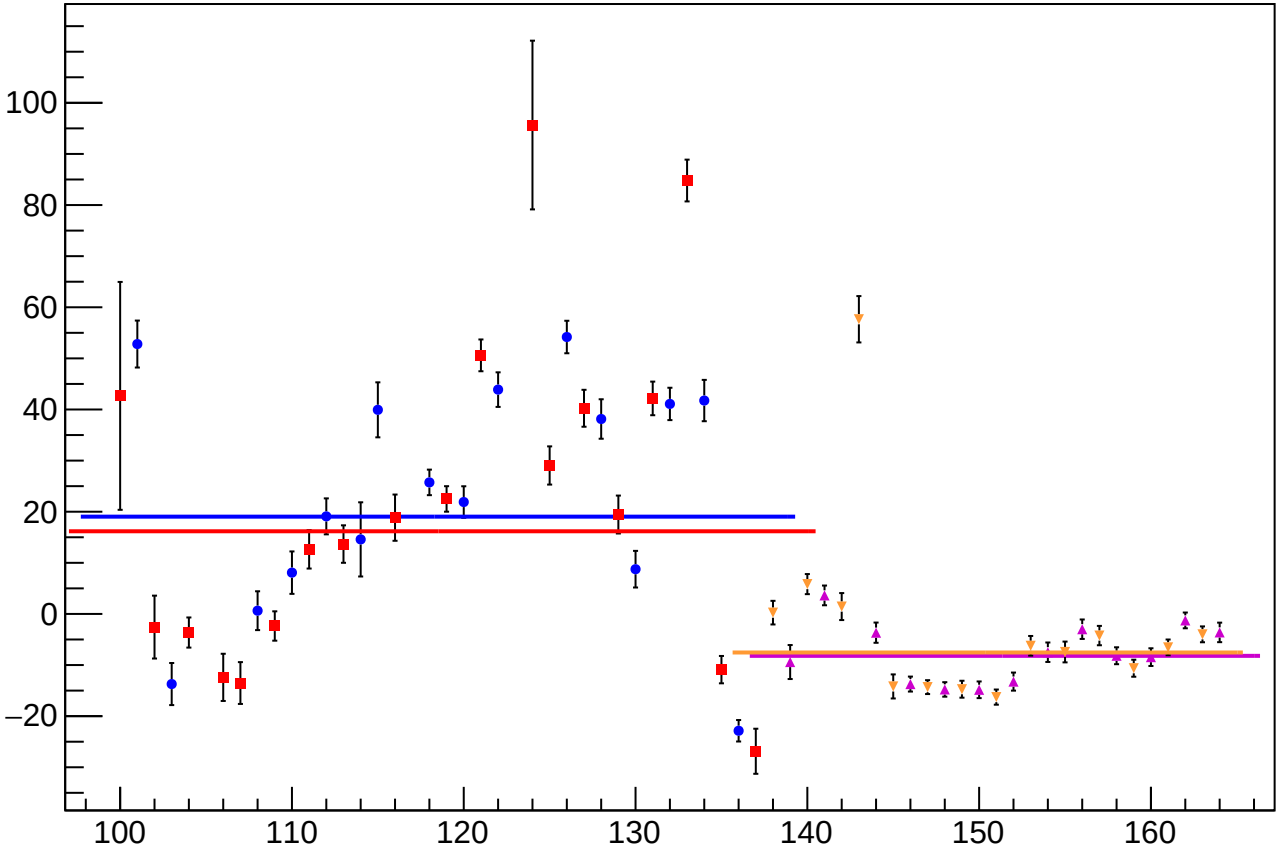
Left In: 44.347+/-0.587 χ^2/NDF:127.7/12

+ sign 76.200+/-0.480 χ^2/NDF: 13697.9/29

All: 74.661+/-0.336 χ^2/NDF: 24142.1/61

- 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: -7.543+/-0.490 χ^2/NDF:375.1/13

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

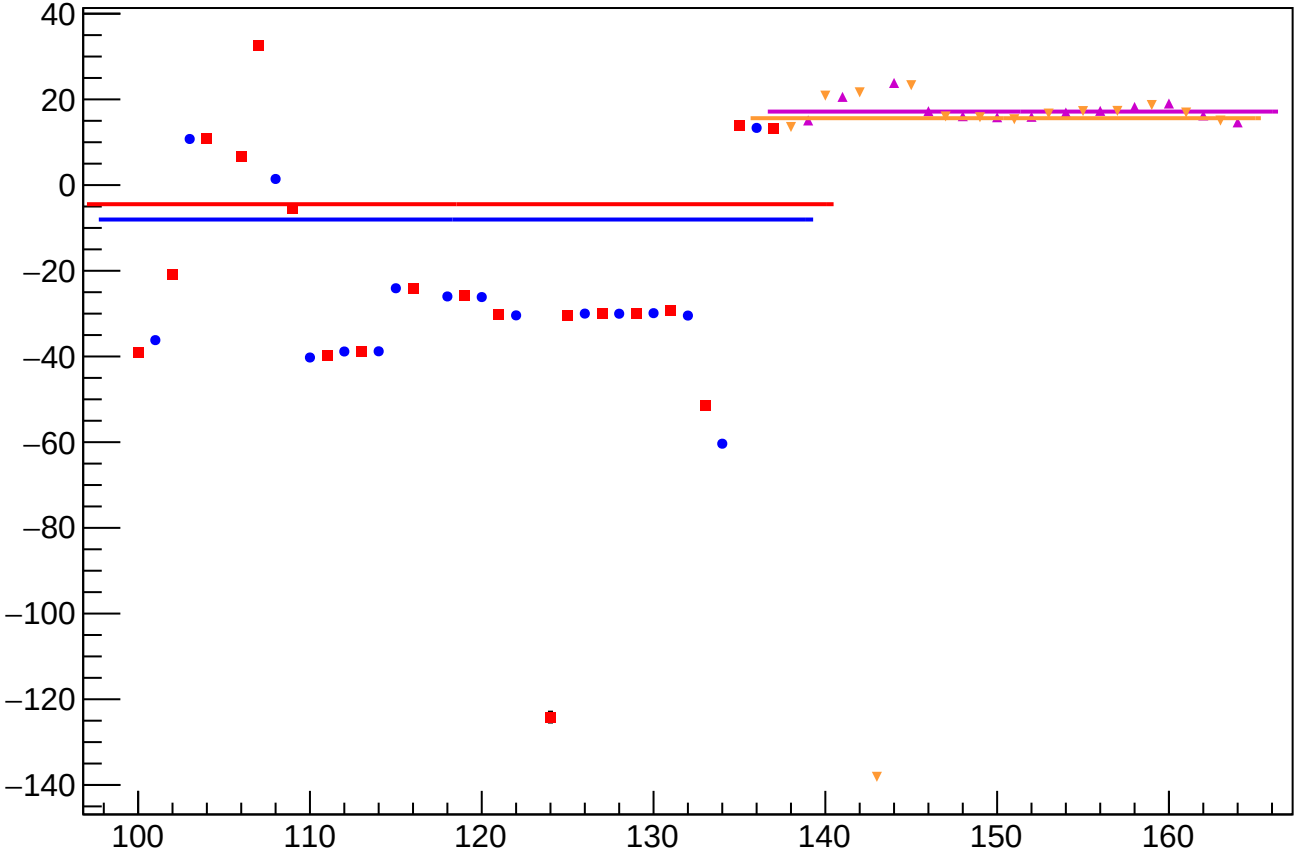
Left In: -8.200+/-0.487 χ^2/NDF:137.0/12

\+ sign -1.037+/-0.425 χ^2/NDF: 1954.6/29

All: -1.592+/-0.300 χ^2/NDF: 3659.8/61

\- 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: 15.610+/-0.023 χ^2/NDF:476182.7/13

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

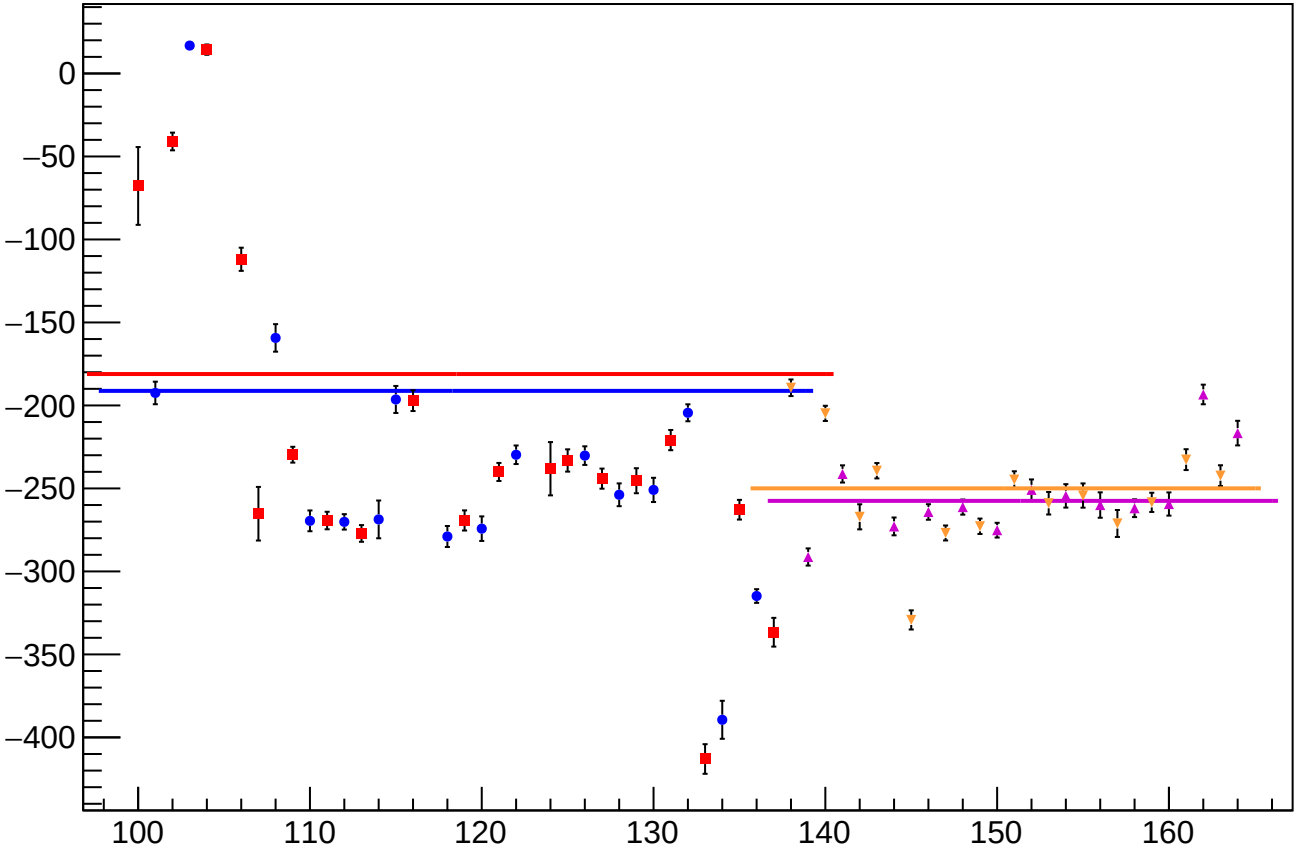
Left In: 17.153+/-0.022 χ^2/NDF:8755.7/12

+ sign 10.993+/-0.020 χ^2/NDF: 958356.1/29

All: 12.143+/-0.014 χ^2/NDF: 1376678.0/61

- 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: -249.955+/-1.486 χ^2/NDF:524.3/13

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

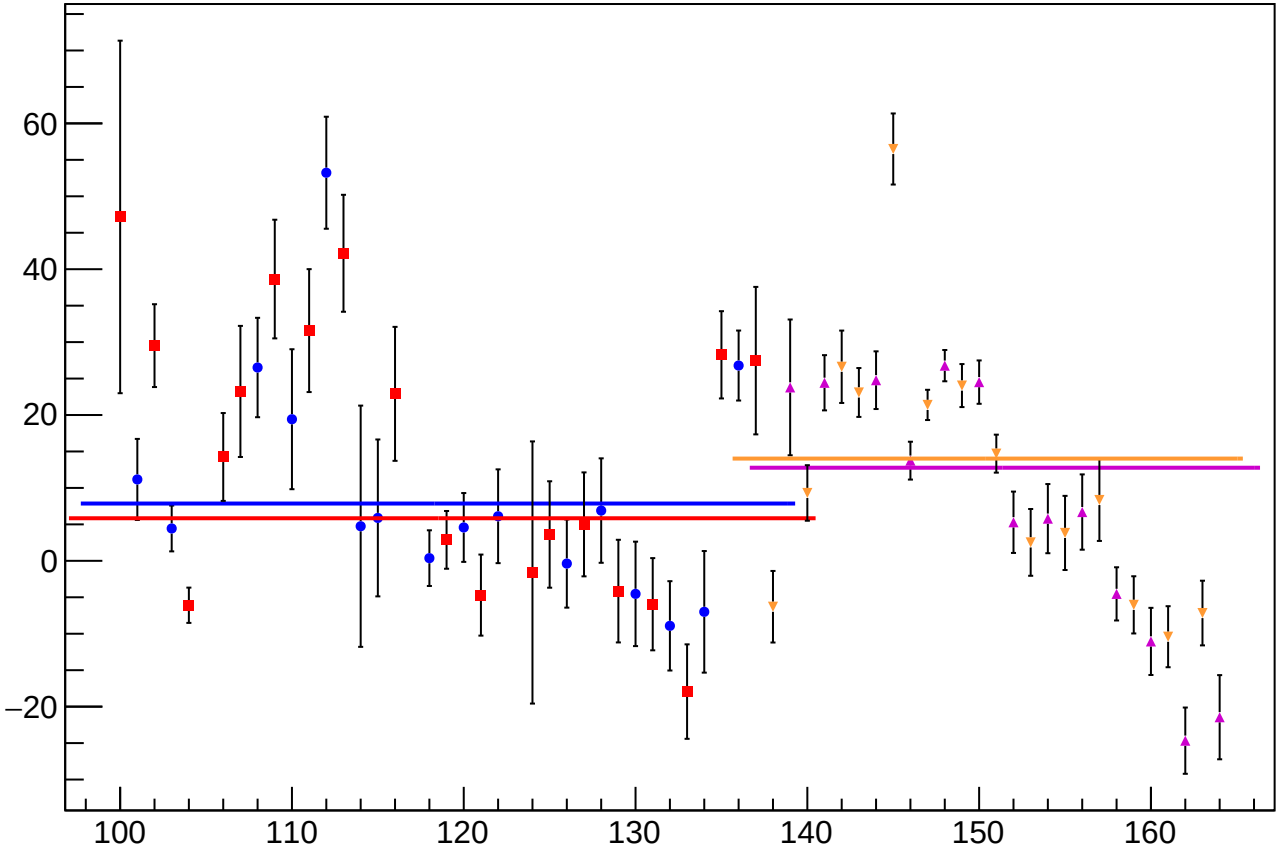
Left In: -257.497+/-1.546 χ^2/NDF:229.4/12

\+ sign -219.232+/-1.026 χ^2/NDF: 8566.4/29

All: -217.145+/-0.727 χ^2/NDF: 17535.8/61

\- 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: 14.025+/-0.968 χ^2/NDF:226.9/13

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

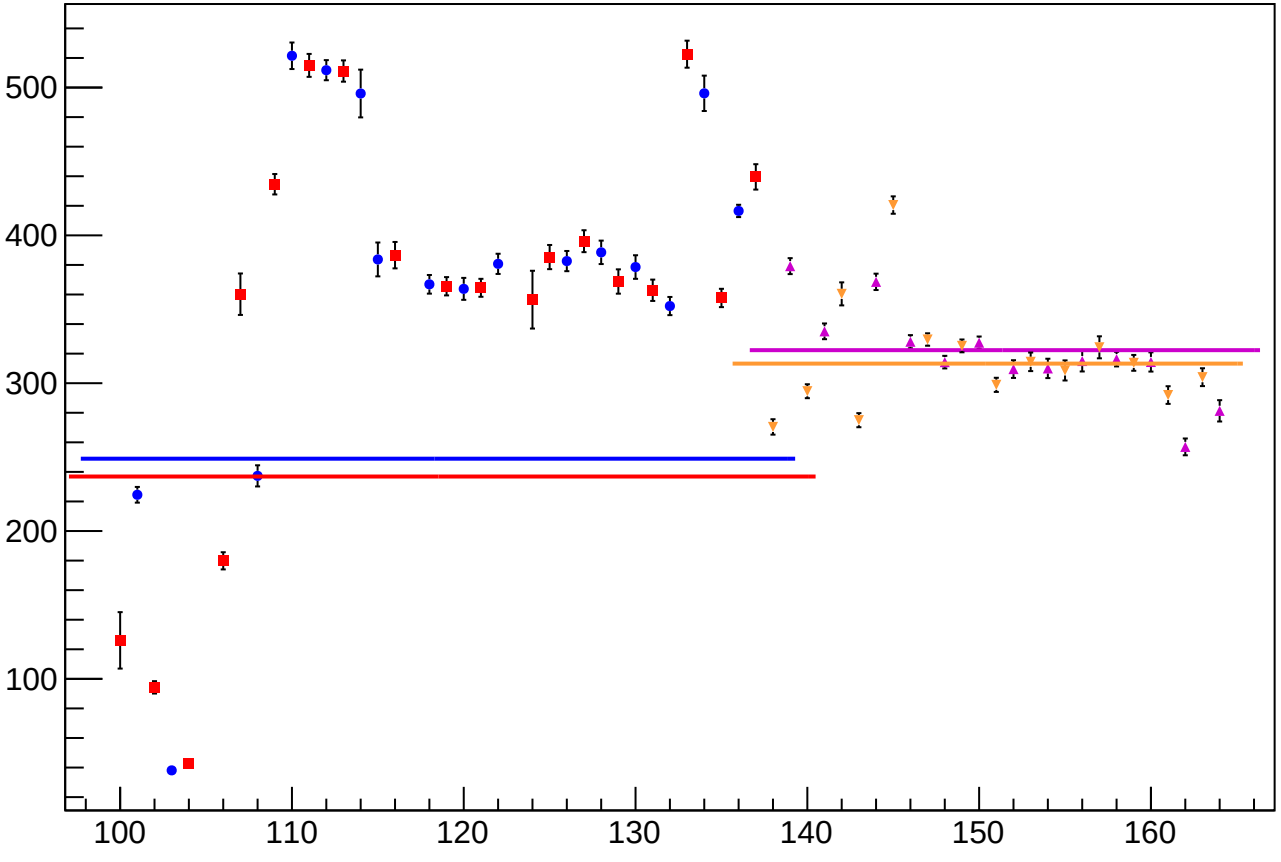
Left In: 12.770+/-1.019 χ^2/NDF:237.4/12

+ sign 12.103+/-0.803 χ^2/NDF: 320.5/29

All: 11.198+/-0.572 χ^2/NDF: 719.0/61

- 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: 313.253+/-1.444 χ^2/NDF:565.8/13

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

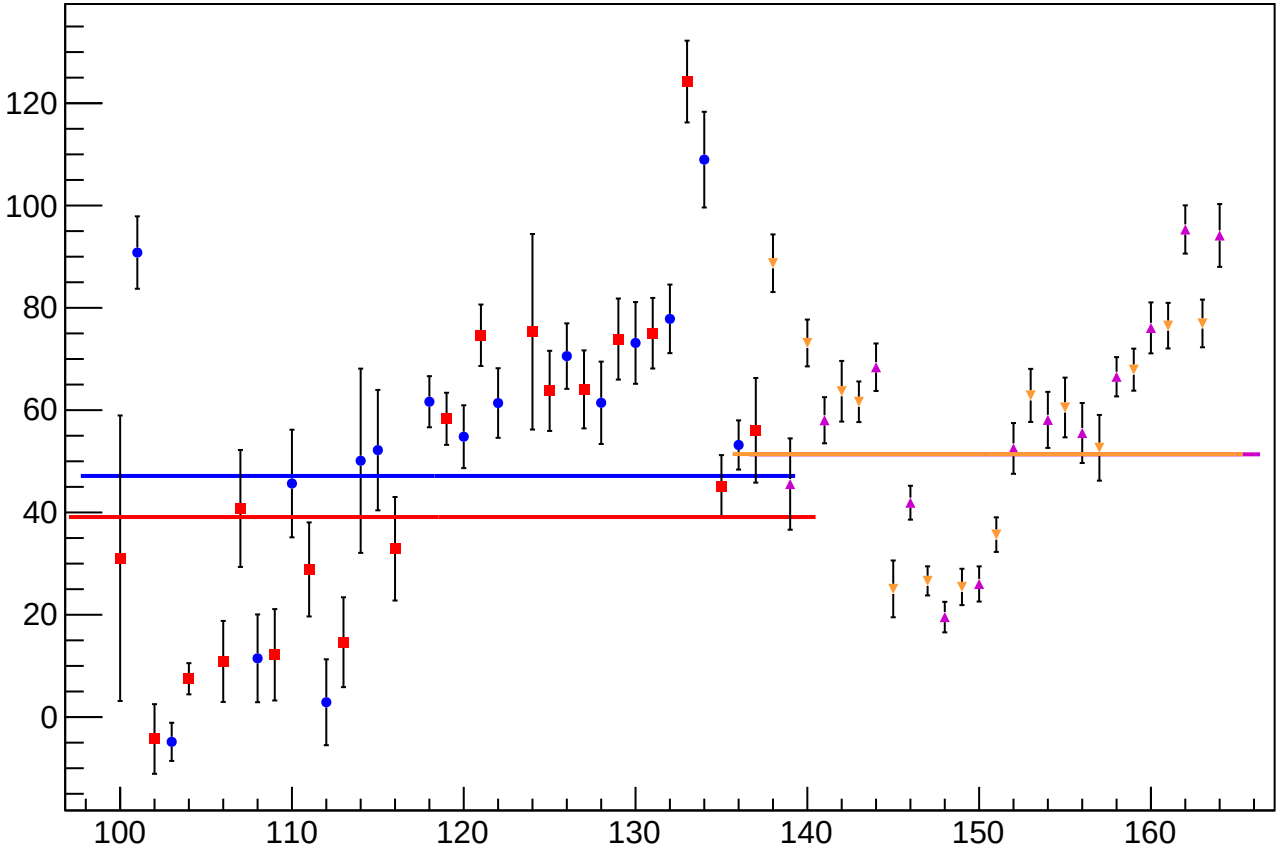
Left In: 322.349+/-1.488 χ^2/NDF:370.5/12

\+ sign 280.601+/-1.013 χ^2/NDF: 16875.8/29

All: 278.924+/-0.719 χ^2/NDF: 34651.9/61

\- 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: 51.409+/-1.162 χ^2/NDF:336.0/13

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

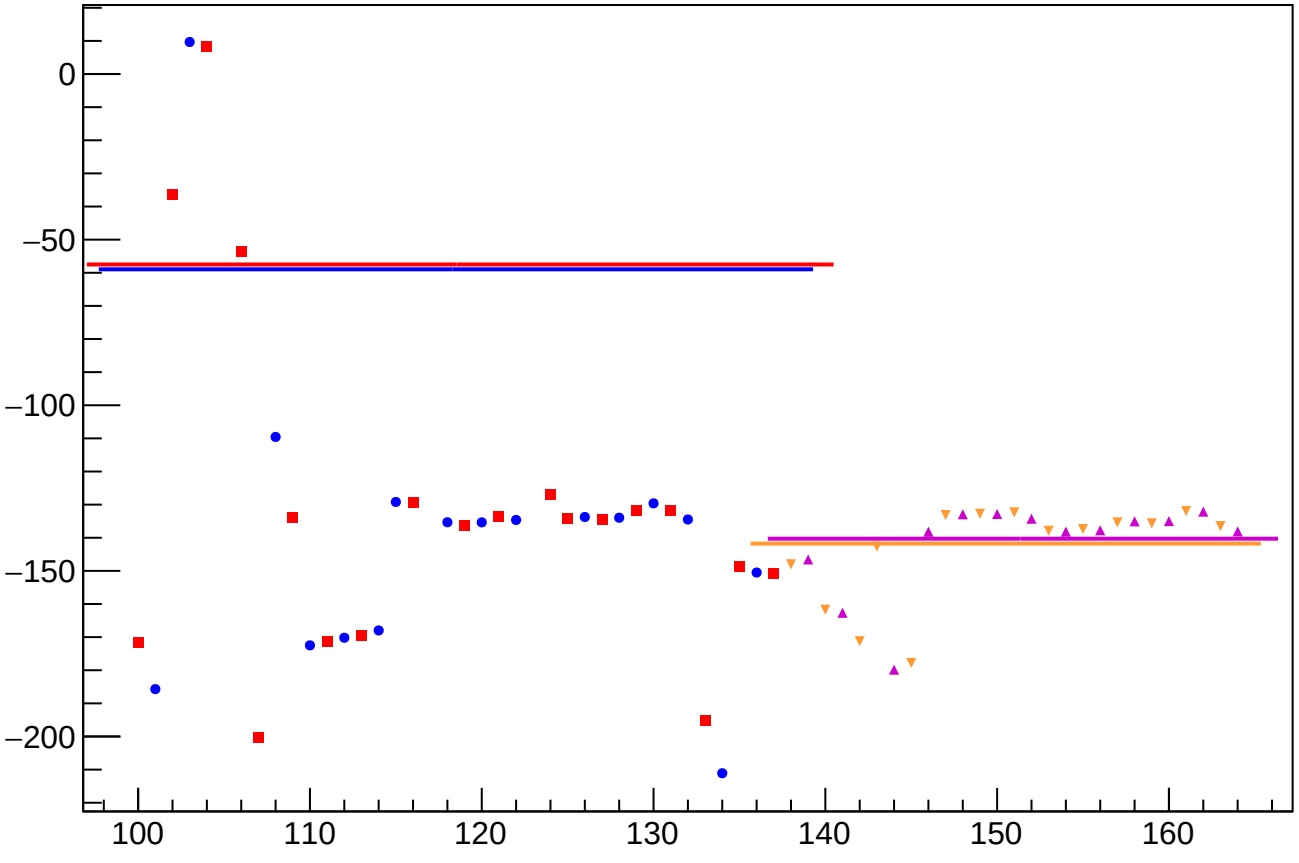
Left In: 51.360+/-1.214 χ^2/NDF:369.8/12

+ sign 50.012+/-0.954 χ^2/NDF: 725.8/29

All: 48.461+/-0.679 χ^2/NDF: 1554.8/61

- 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: -141.761+/-0.056 χ^2/NDF:54635.2/13

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

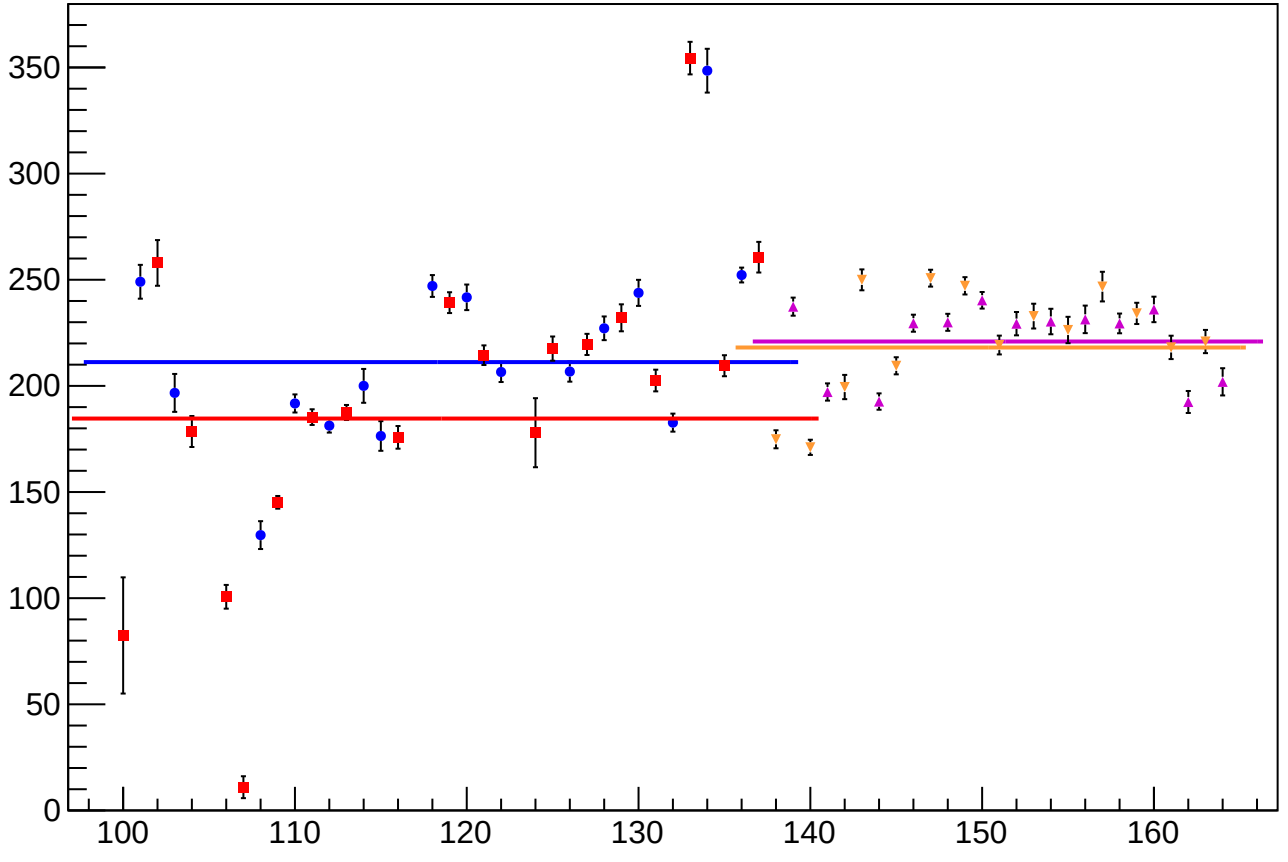
Left In: -140.282+/-0.057 χ^2/NDF:44974.5/12

+ sign -110.689+/-0.044 χ^2/NDF: 2094305.9/29

All: -110.212+/-0.032 χ^2/NDF: 3794790.7/61

- 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: 218.084+/-1.267 χ^2/NDF:487.0/13

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

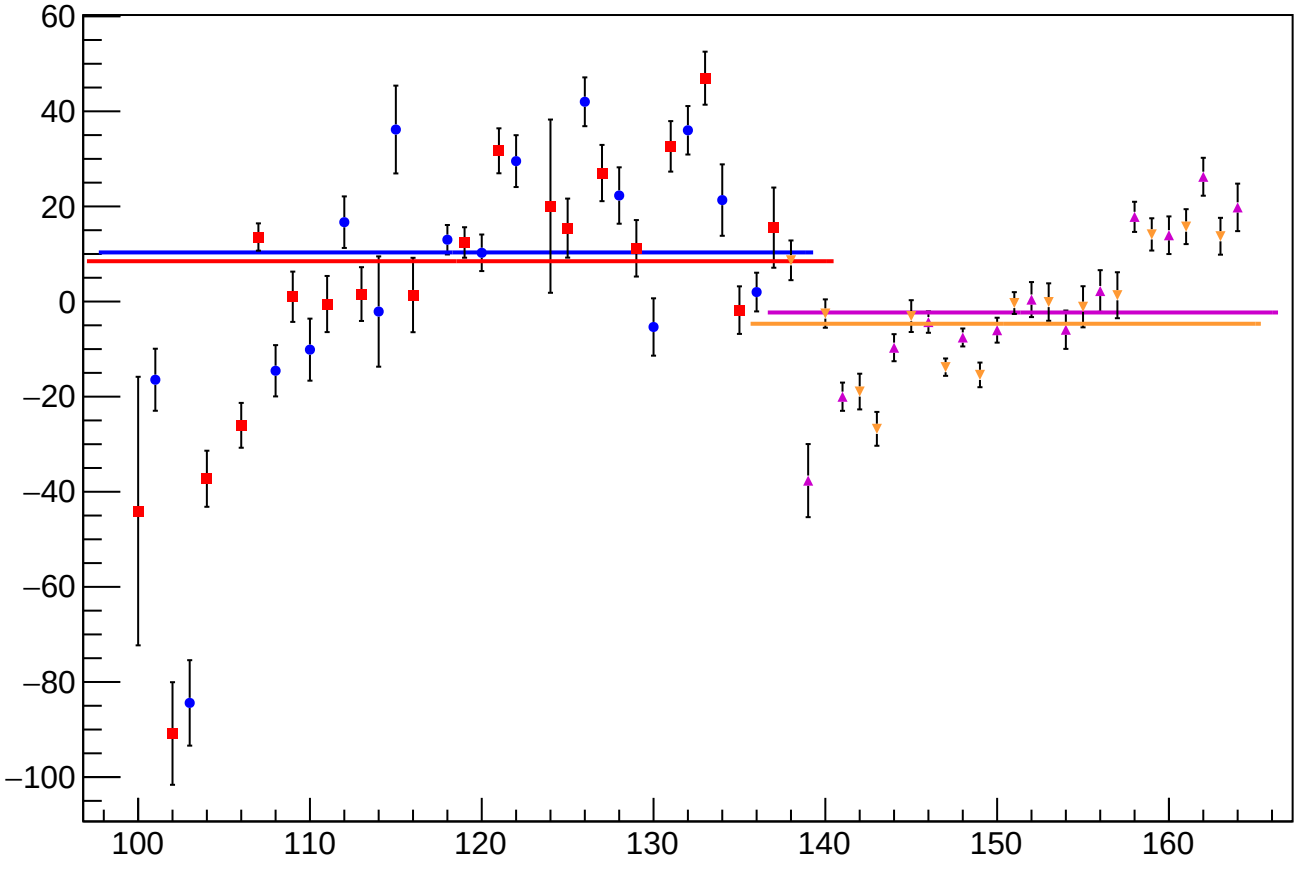
Left In: 220.912+/-1.298 χ^2/NDF:193.6/12

+ sign 214.725+/-0.906 χ^2/NDF: 1284.4/29

All: 207.781+/-0.631 χ^2/NDF: 4556.0/61

- 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: -4.671+/-0.834 χ^2/NDF:197.4/13

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

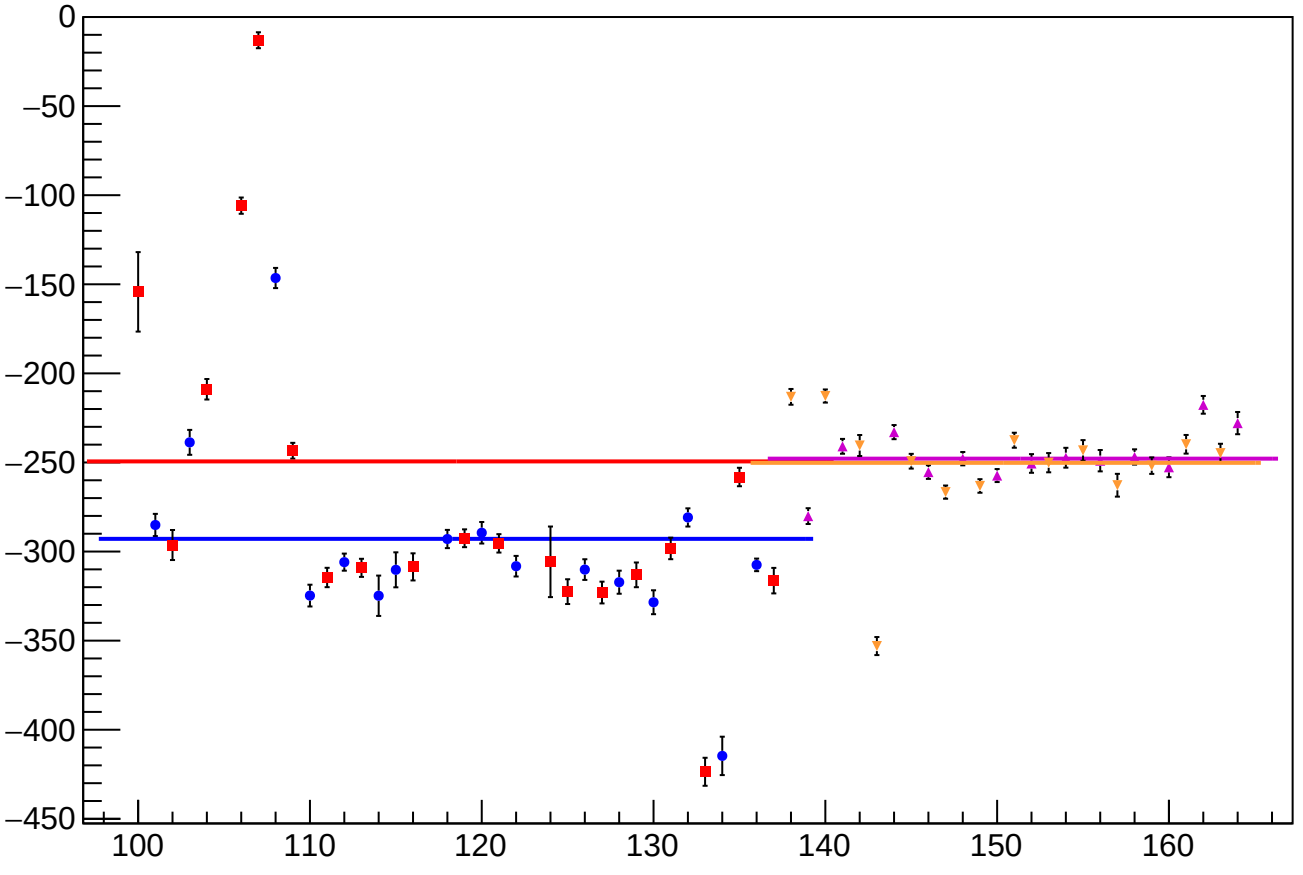
Left In: -2.302+/-0.867 χ^2/NDF:204.5/12

+ sign -0.447+/-0.707 χ^2/NDF: 551.7/29

All: 0.425+/-0.500 χ^2/NDF: 1133.2/61

- 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: -250.208+/-1.234 χ^2/NDF:639.6/13

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

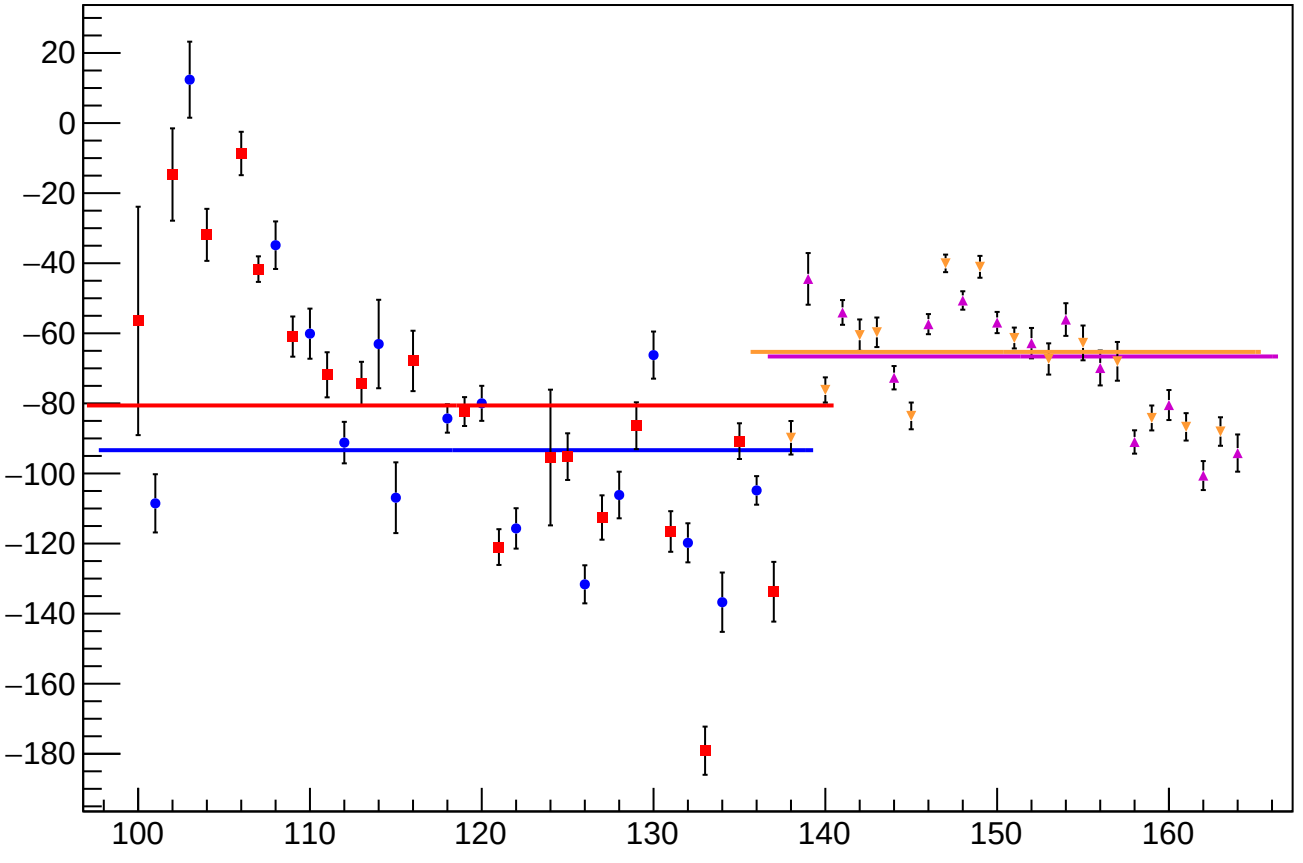
Left In: -247.863+/-1.255 χ^2/NDF:128.4/12

+ sign -267.880+/-0.944 χ^2/NDF: 2118.1/29

All: -258.022+/-0.661 χ^2/NDF: 7829.1/61

- 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: -65.302+/-1.000 χ^2/NDF:315.1/13

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

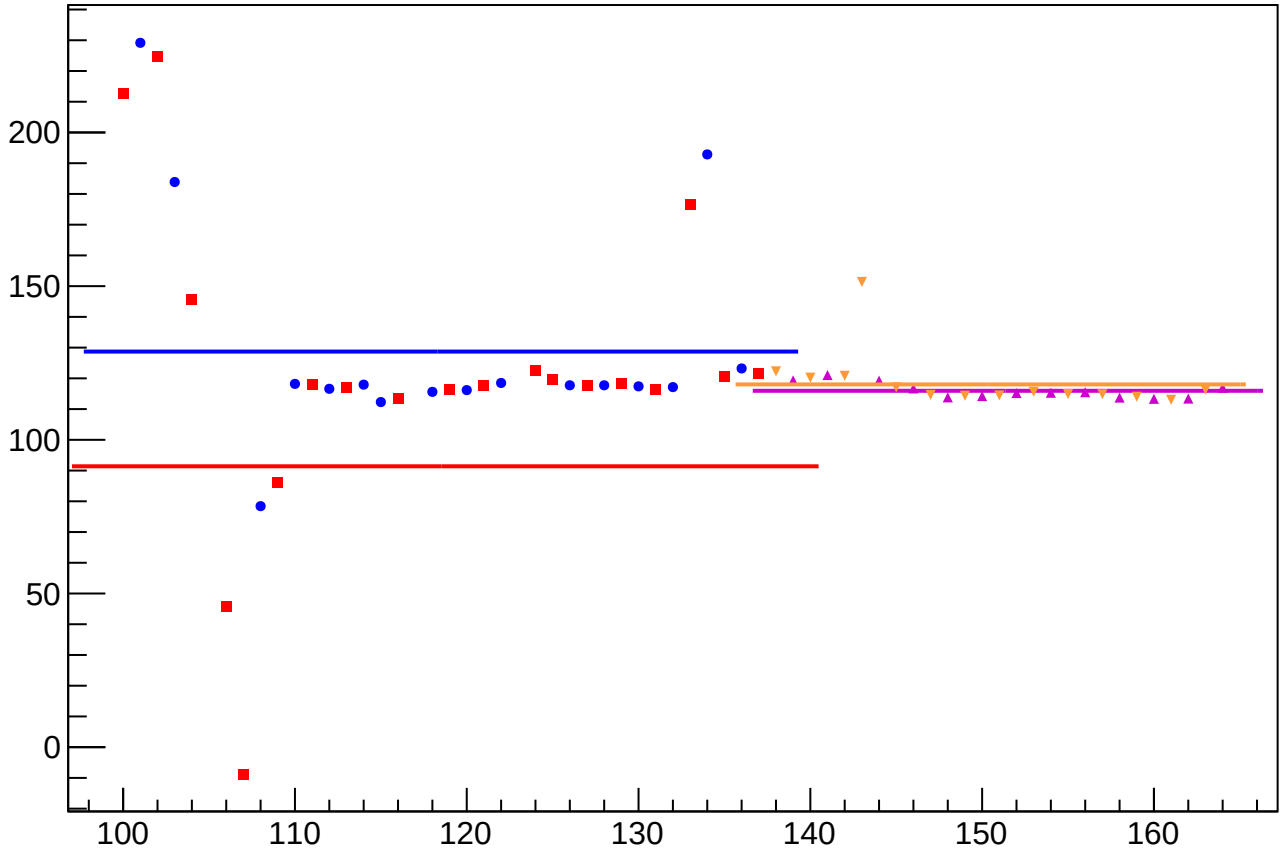
Left In: -66.611+/-1.030 χ^2/NDF:247.5/12

\+ sign -73.670+/-0.838 χ^2/NDF: 905.1/29

All: -72.539+/-0.591 χ^2/NDF: 1934.7/61

\- 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: 118.027+/-0.048 χ^2/NDF:29398.9/13

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

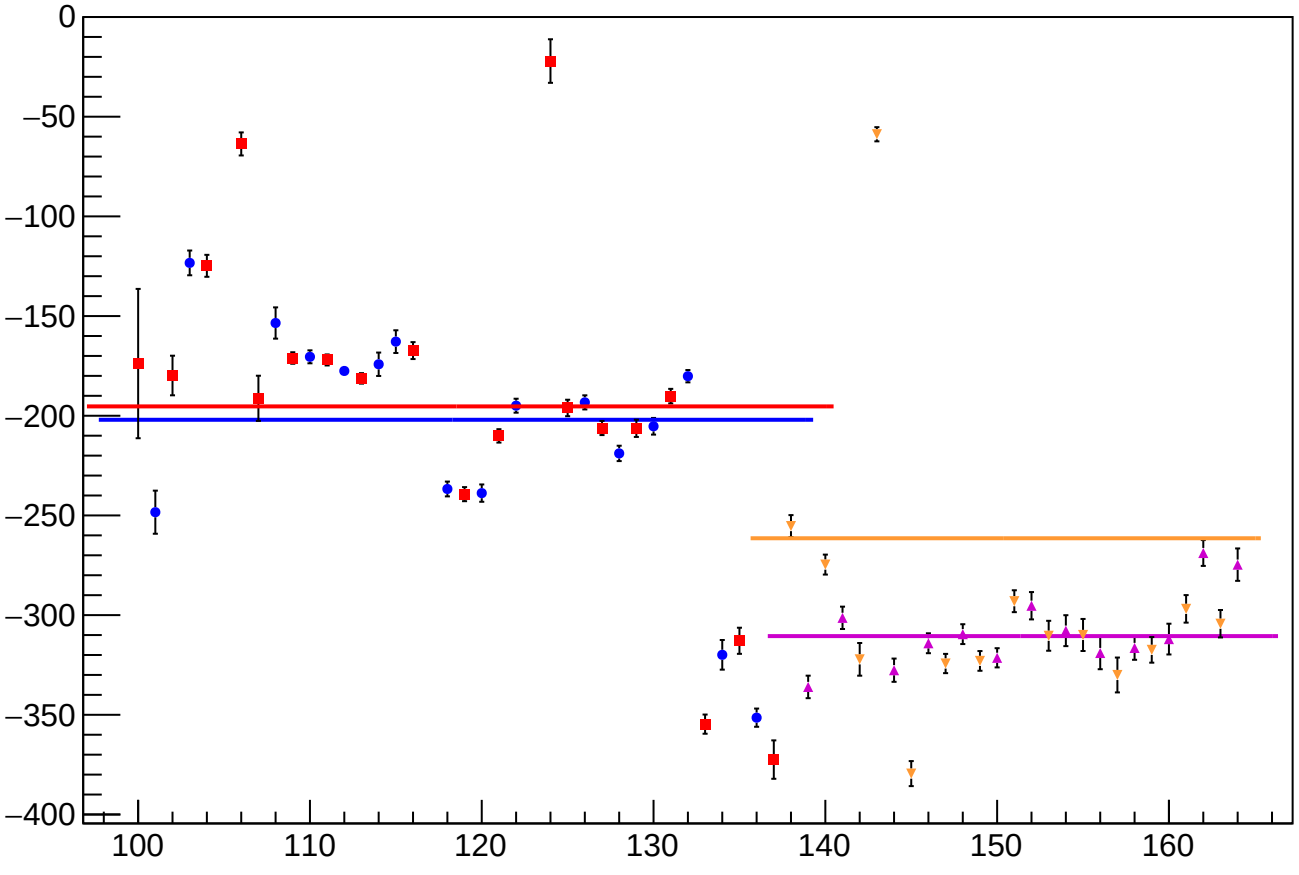
Left In: 115.954+/-0.048 χ^2/NDF:2689.3/12

+ sign 120.439+/-0.042 χ^2/NDF: 224053.9/29

All: 114.711+/-0.029 χ^2/NDF: 937673.6/61

- 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: -261.451+/-1.540 χ^2/NDF:4298.6/13

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

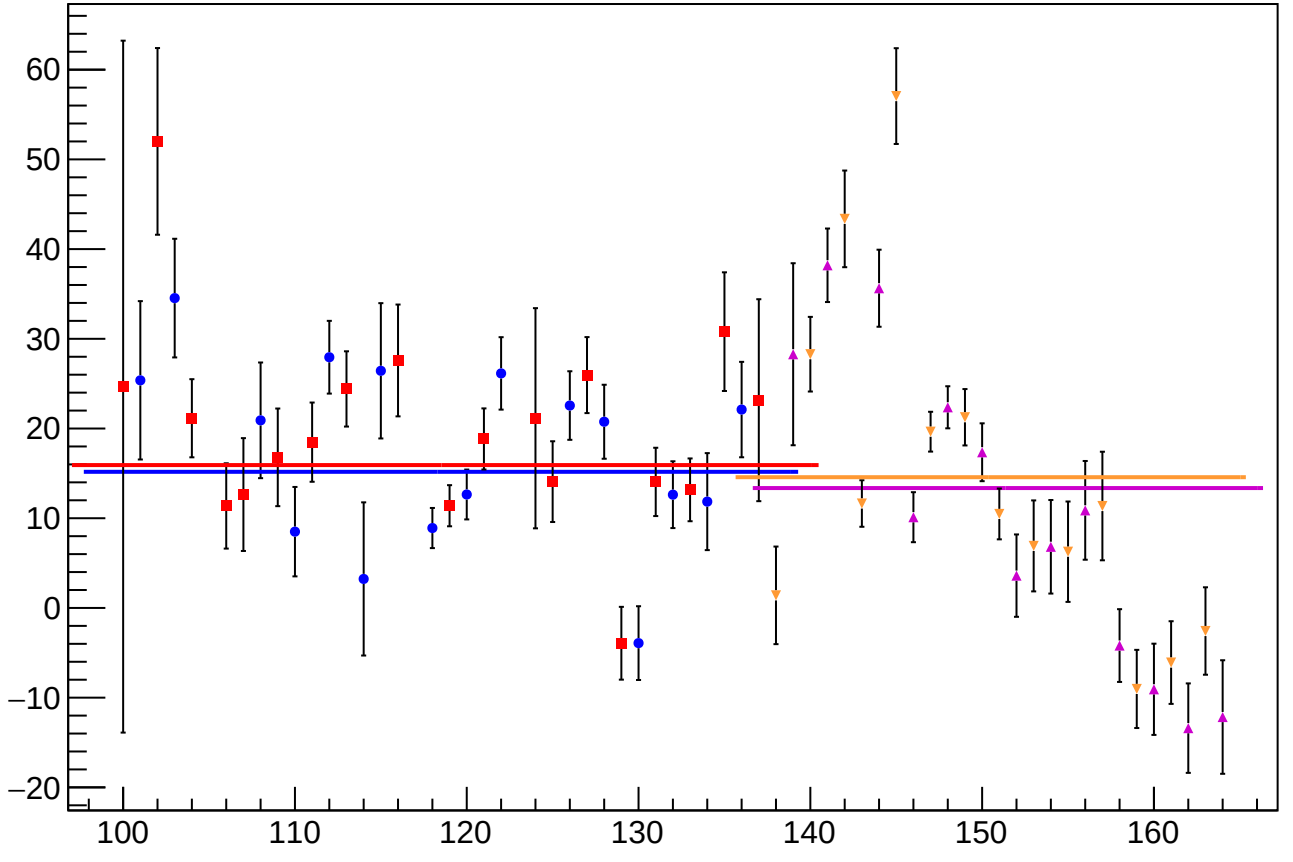
Left In: -310.525+/-1.683 χ^2/NDF:105.3/12

\+ sign -220.244+/-0.853 χ^2/NDF: 7371.7/29

All: -222.258+/-0.600 χ^2/NDF: 14100.0/61

\- 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: 14.574+/-1.011 χ^2/NDF:188.4/13

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

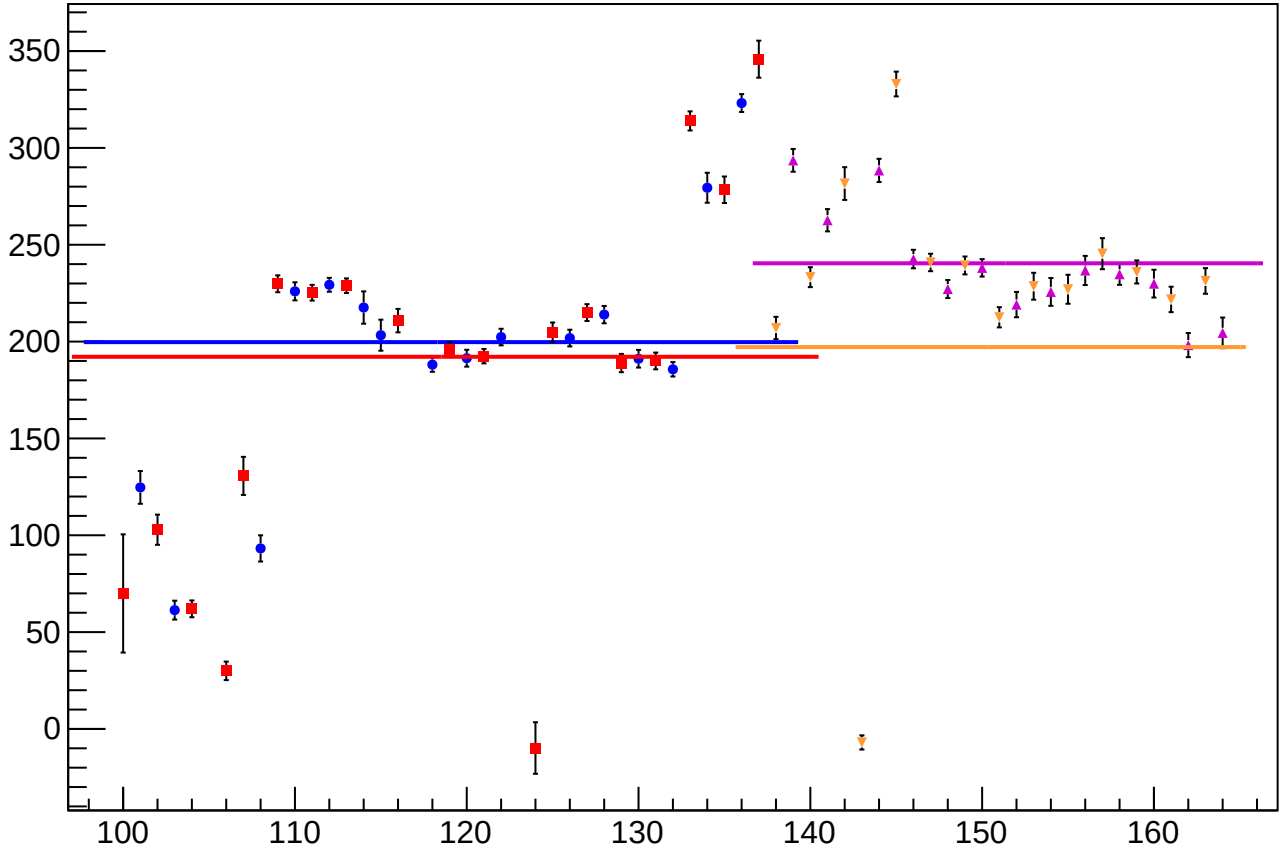
Left In: 13.363+/-1.110 χ^2/NDF:173.0/12

+ sign 14.864+/-0.727 χ^2/NDF: 260.9/29

All: 14.800+/-0.525 χ^2/NDF: 500.3/61

- 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: 197.162+/-1.503 χ^2/NDF:4055.5/13

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

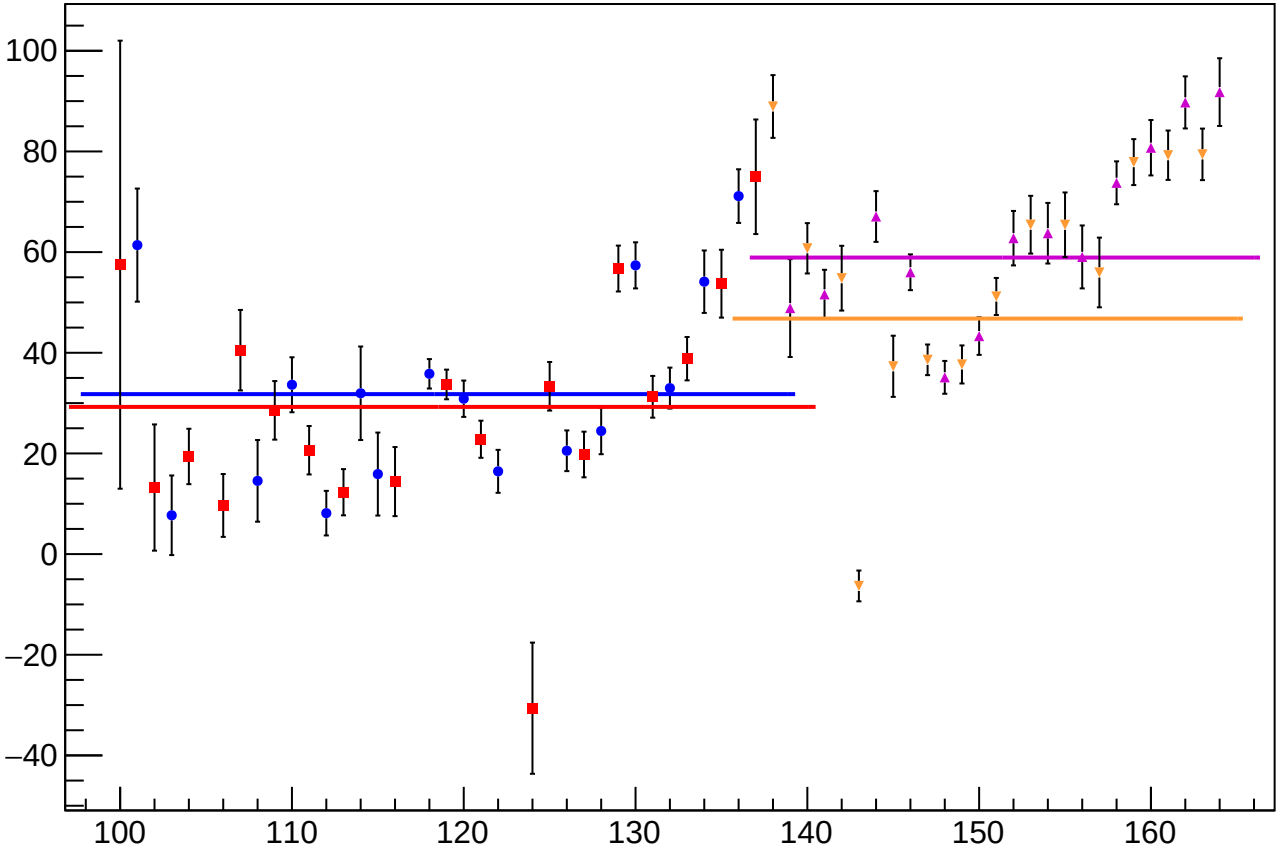
Left In: 240.421+/-1.620 χ^2/NDF:253.7/12

+ sign 198.730+/-0.936 χ^2/NDF: 6158.9/29

All: 203.522+/-0.663 χ^2/NDF: 10832.3/61

- 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: 46.793+/-1.214 χ^2/NDF:525.1/13

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

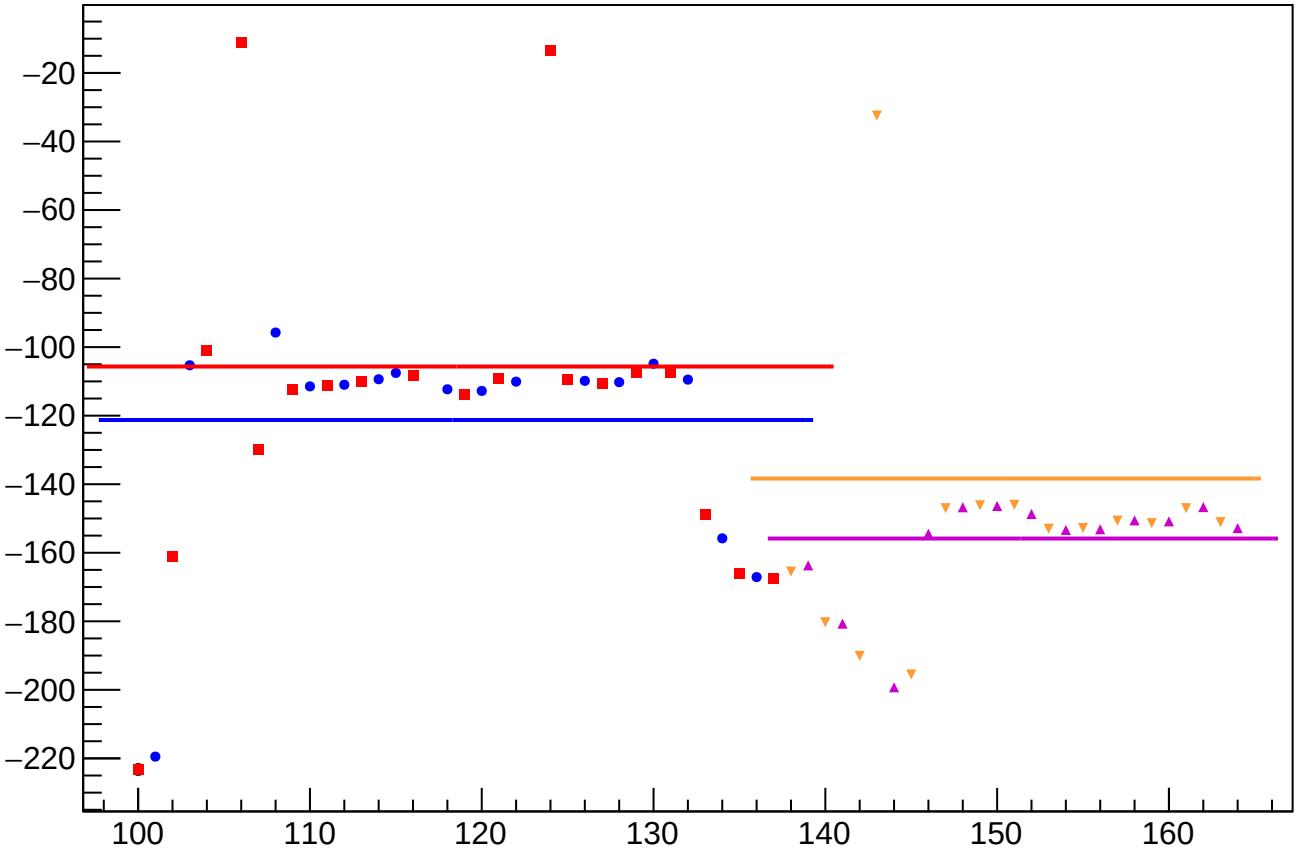
Left In: 58.919+/-1.323 χ^2/NDF:165.7/12

+ sign 39.304+/-0.859 χ^2/NDF: 778.4/29

All: 40.900+/-0.617 χ^2/NDF: 1368.9/61

- 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: -138.341+/-0.059 χ^2/NDF:628508.1/13

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

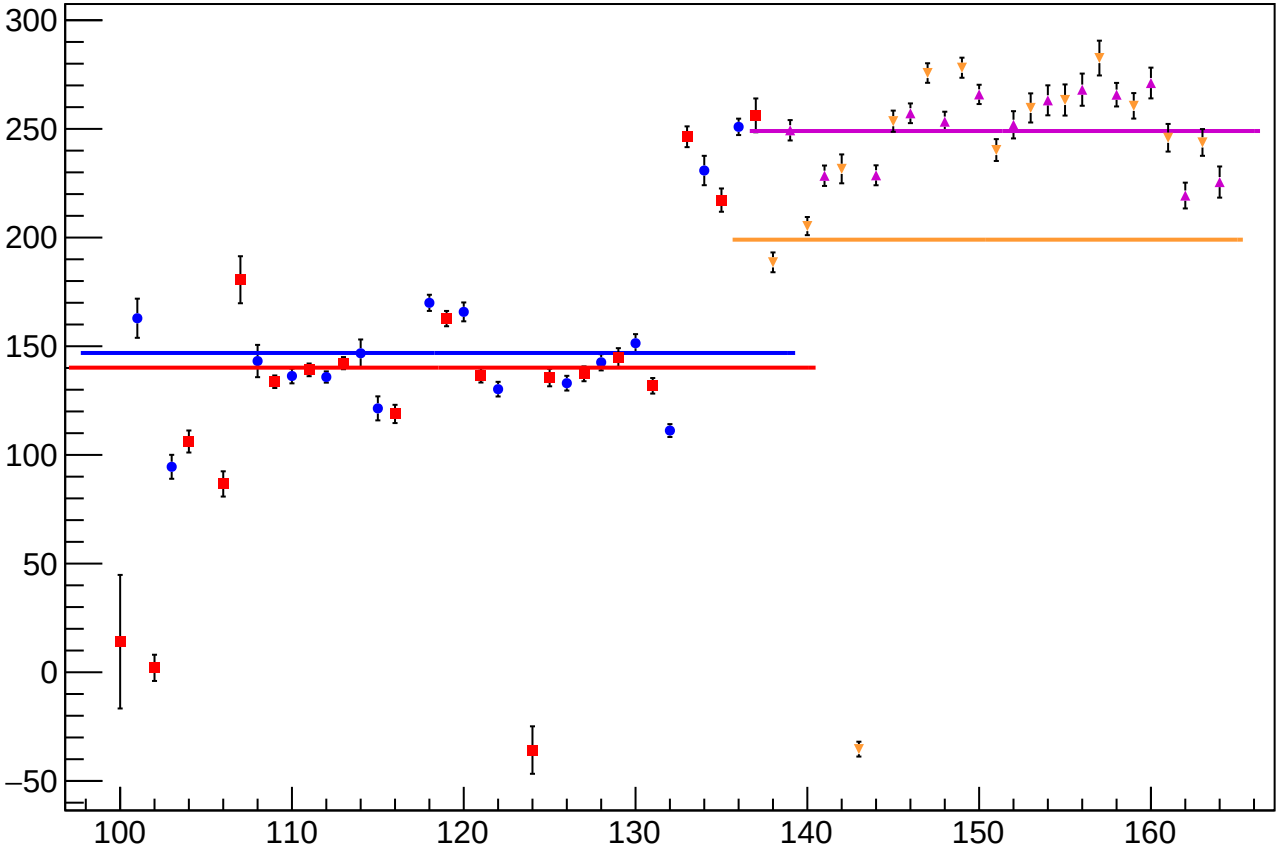
Left In: -155.852+/-0.062 χ^2/NDF:47578.4/12

+ sign -132.257+/-0.047 χ^2/NDF: 777801.2/29

All: -133.825+/-0.034 χ^2/NDF: 1450317.2/61

- 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: 199.034+/-1.374 χ^2/NDF:5997.1/13

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

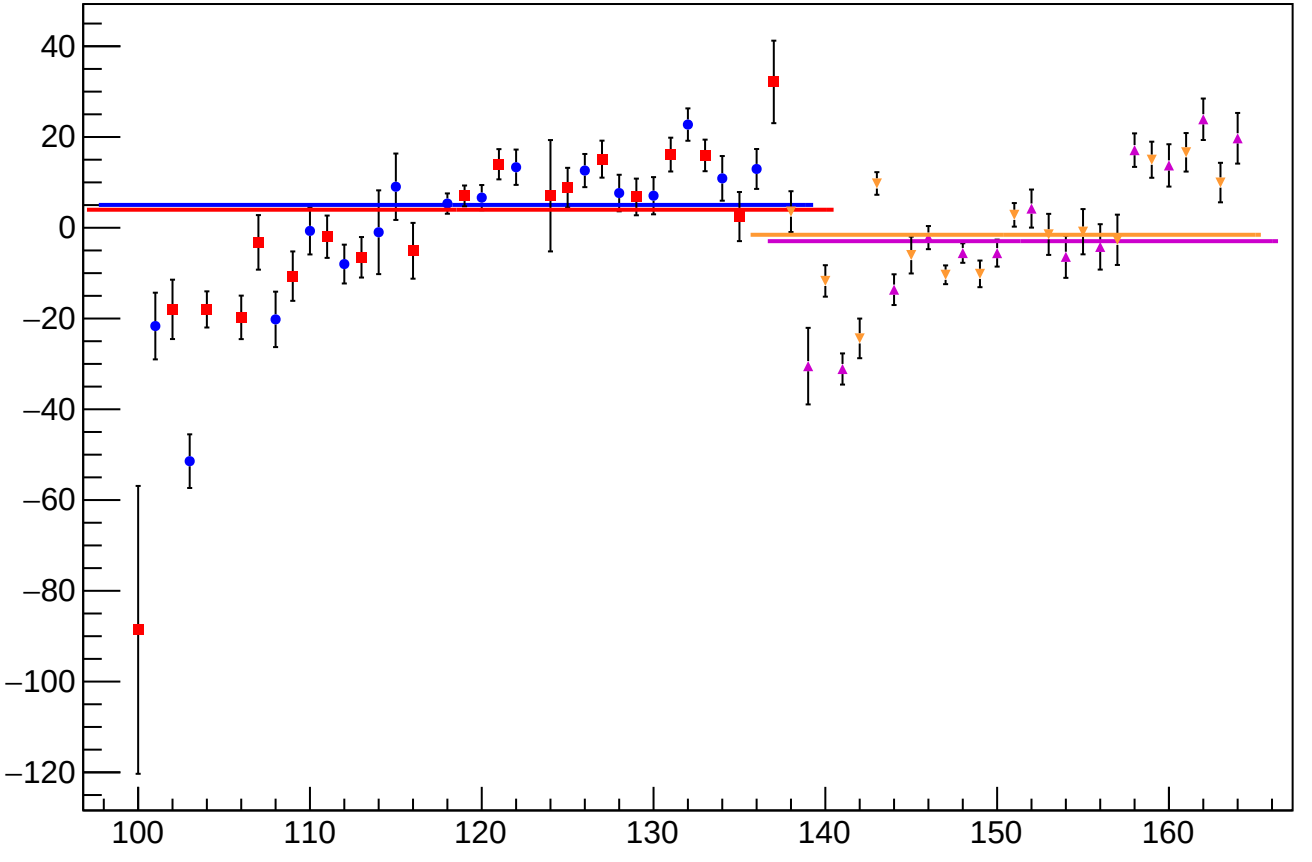
Left In: 249.024+/-1.487 χ^2/NDF:123.4/12

+ sign 165.028+/-0.810 χ^2/NDF: 8237.6/29

All: 168.620+/-0.572 χ^2/NDF: 14133.7/61

- 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: -1.544+/-0.914 χ^2/NDF:131.3/13

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

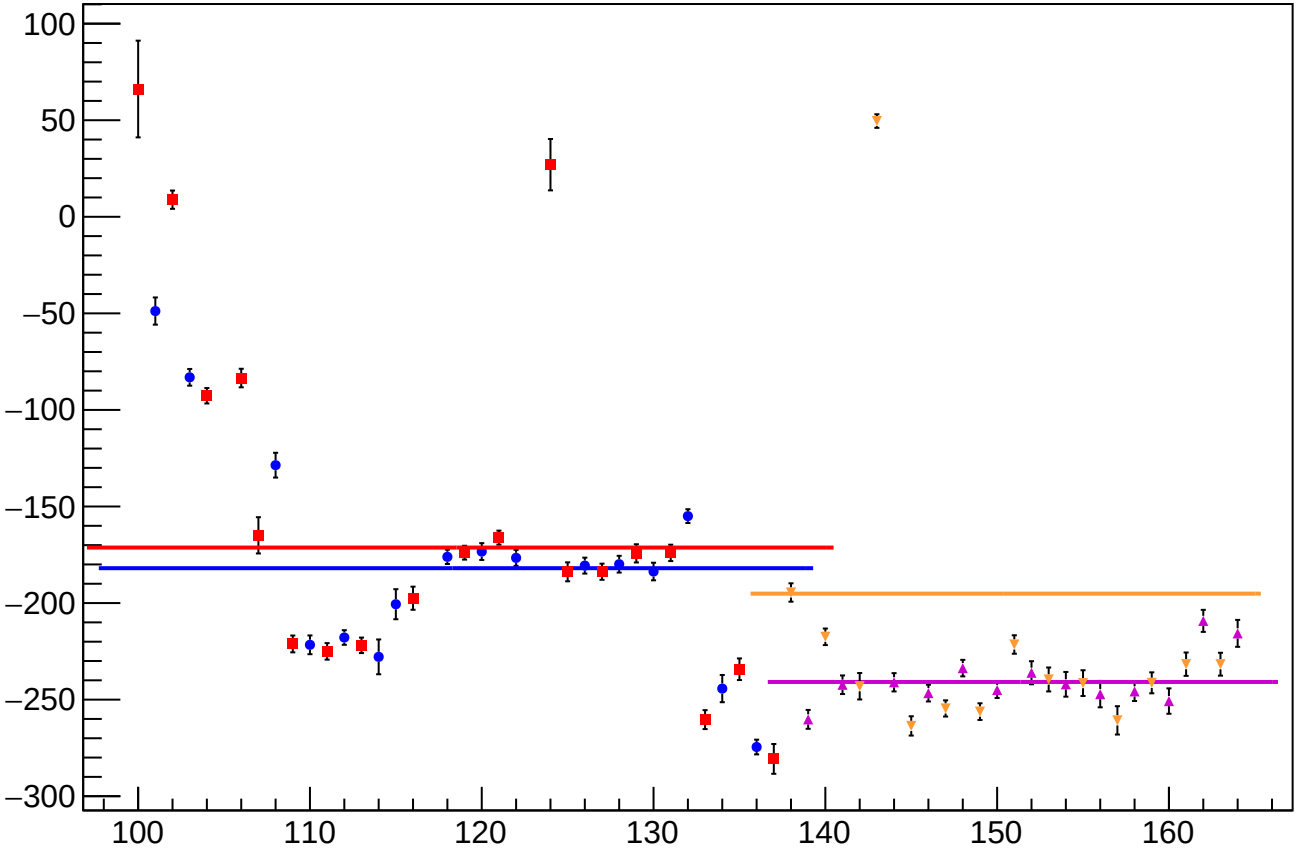
Left In: -2.953+/-0.994 χ^2/NDF:187.2/12

+ sign 1.383+/-0.681 χ^2/NDF: 326.3/29

All: 0.935+/-0.491 χ^2/NDF: 683.0/61

- 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: -195.123+/-1.346 χ^2/NDF:5864.0/13

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

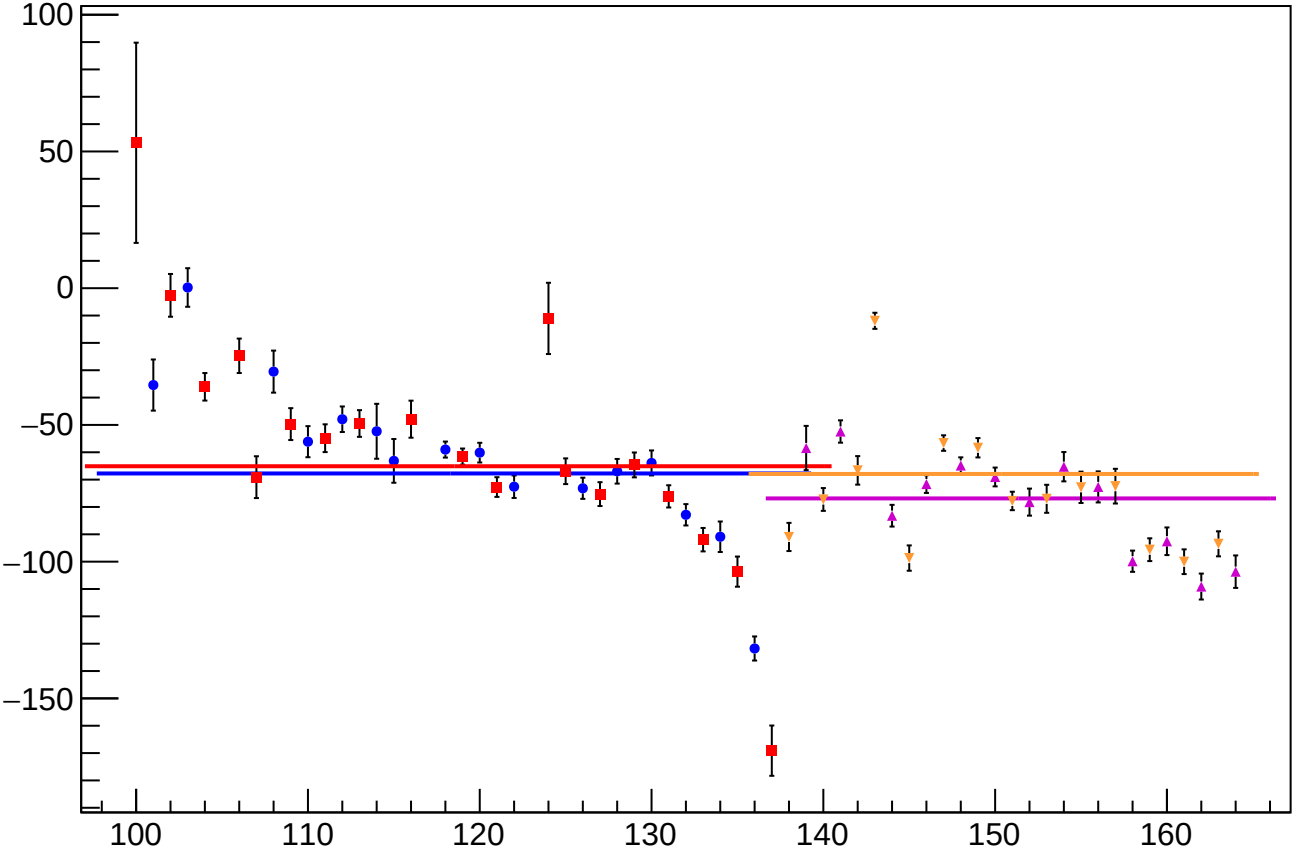
Left In: -240.854+/-1.437 χ^2/NDF:69.9/12

+ sign -187.529+/-0.876 χ^2/NDF: 7789.7/29

All: -192.392+/-0.621 χ^2/NDF: 13016.7/61

- 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: -67.928+/-1.095 χ^2/NDF:594.1/13

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

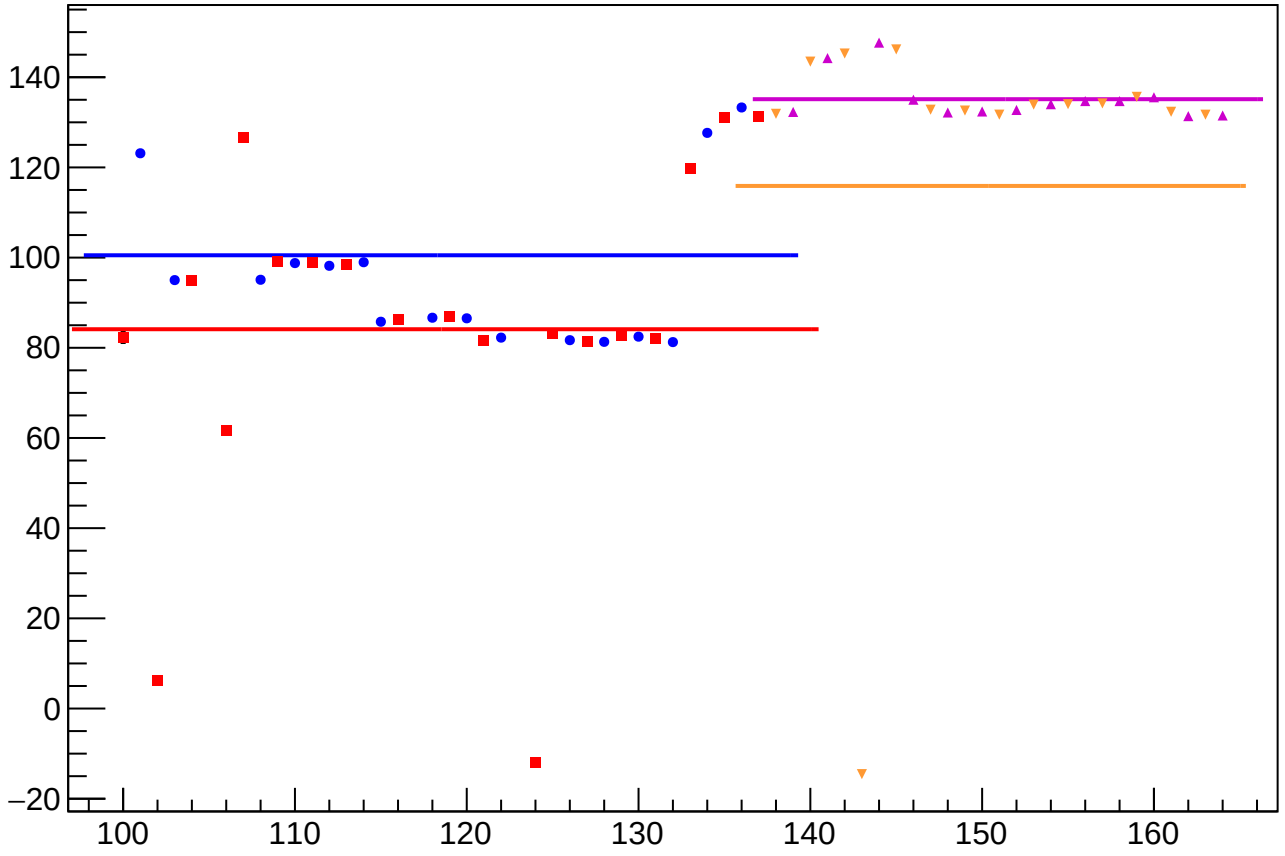
Left In: -76.877+/-1.183 χ^2/NDF:184.0/12

+ sign -67.844+/-0.803 χ^2/NDF: 1008.2/29

All: -69.325+/-0.577 χ^2/NDF: 1678.5/61

- 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: 115.893+/-0.053 χ^2/NDF:926411.0/13

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

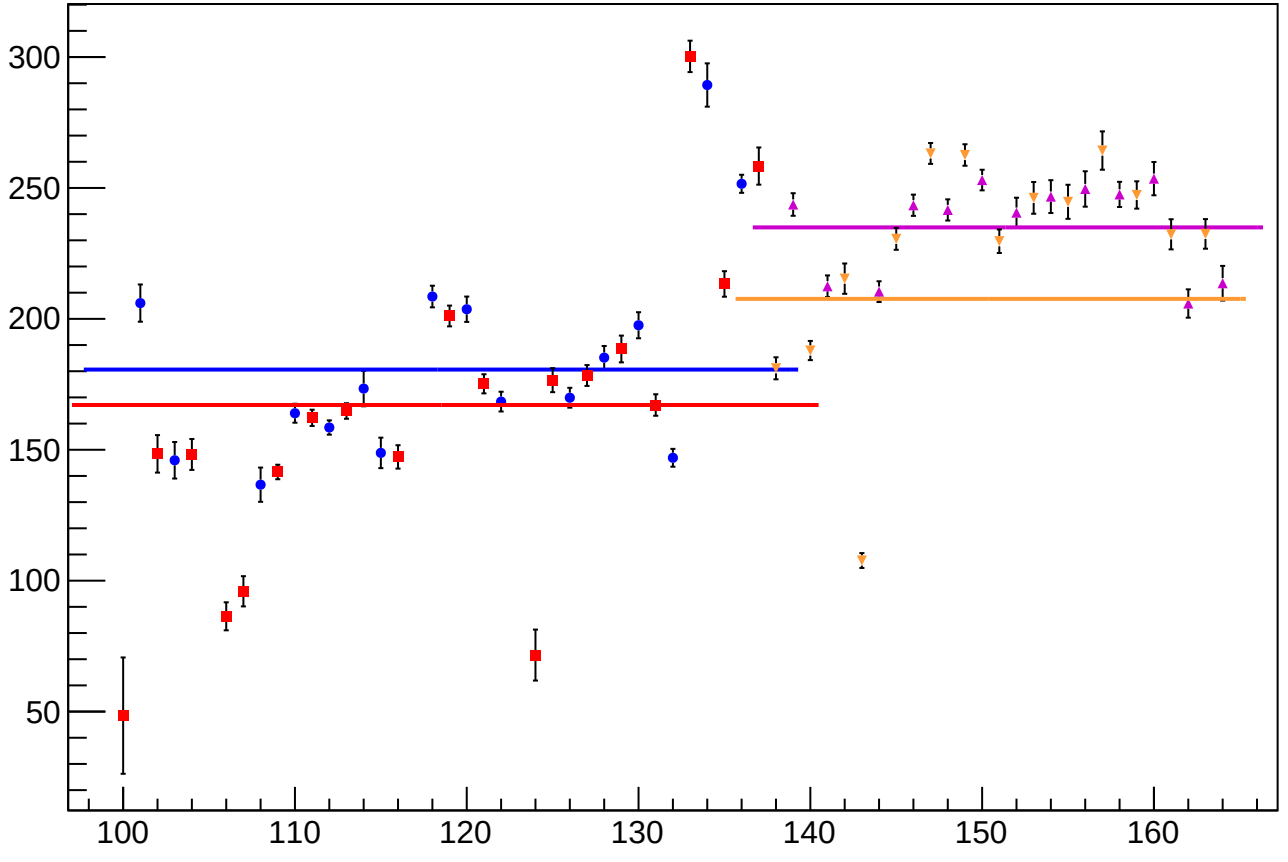
Left In: 135.129+/-0.055 χ^2/NDF:7125.5/12

+ sign 110.704+/-0.043 χ^2/NDF: 1022508.0/29

All: 113.022+/-0.030 χ^2/NDF: 1631953.1/61

- 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: 207.638+/-1.212 χ^2/NDF:1962.8/13

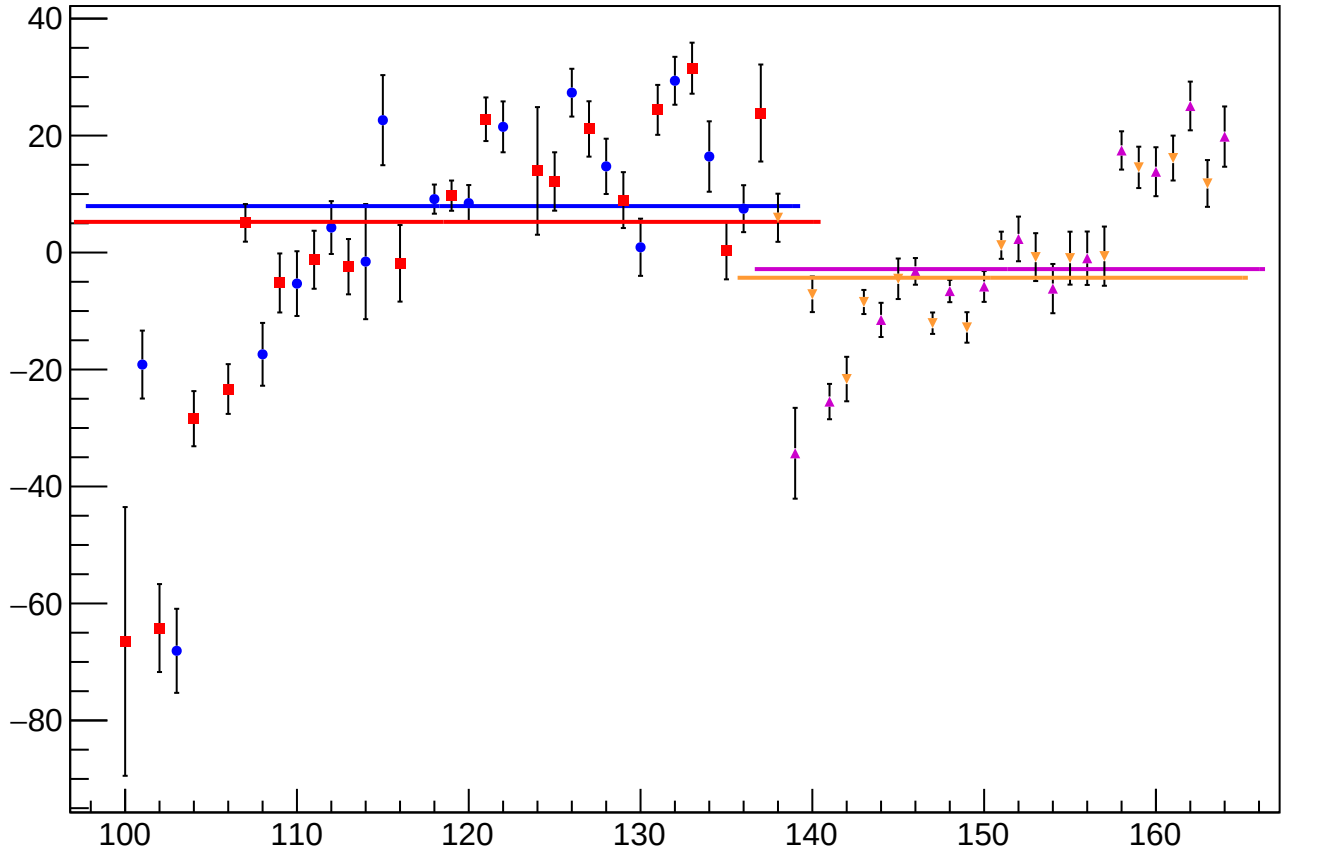
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61

- 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: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

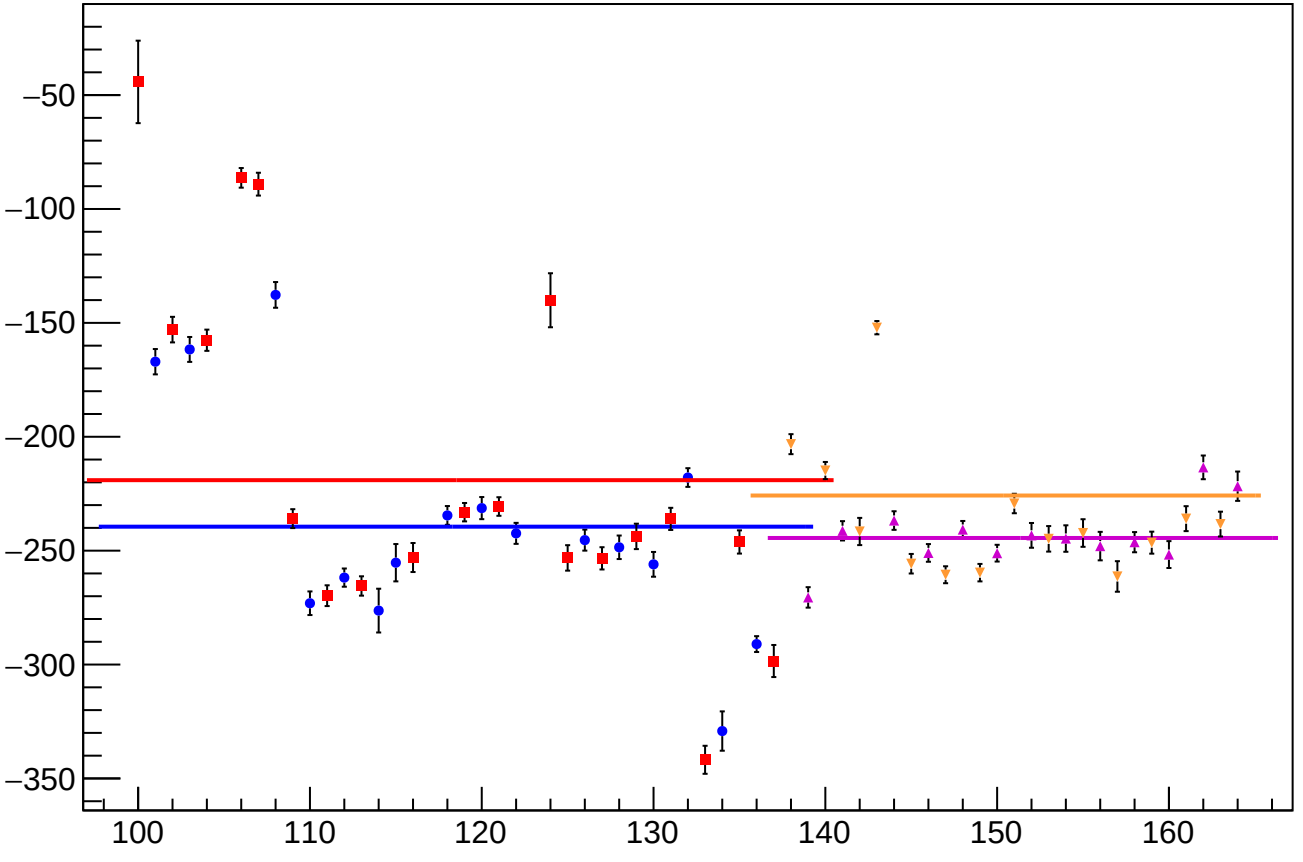
Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

- 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: -225.790+/-1.188 χ^2/NDF:966.3/13

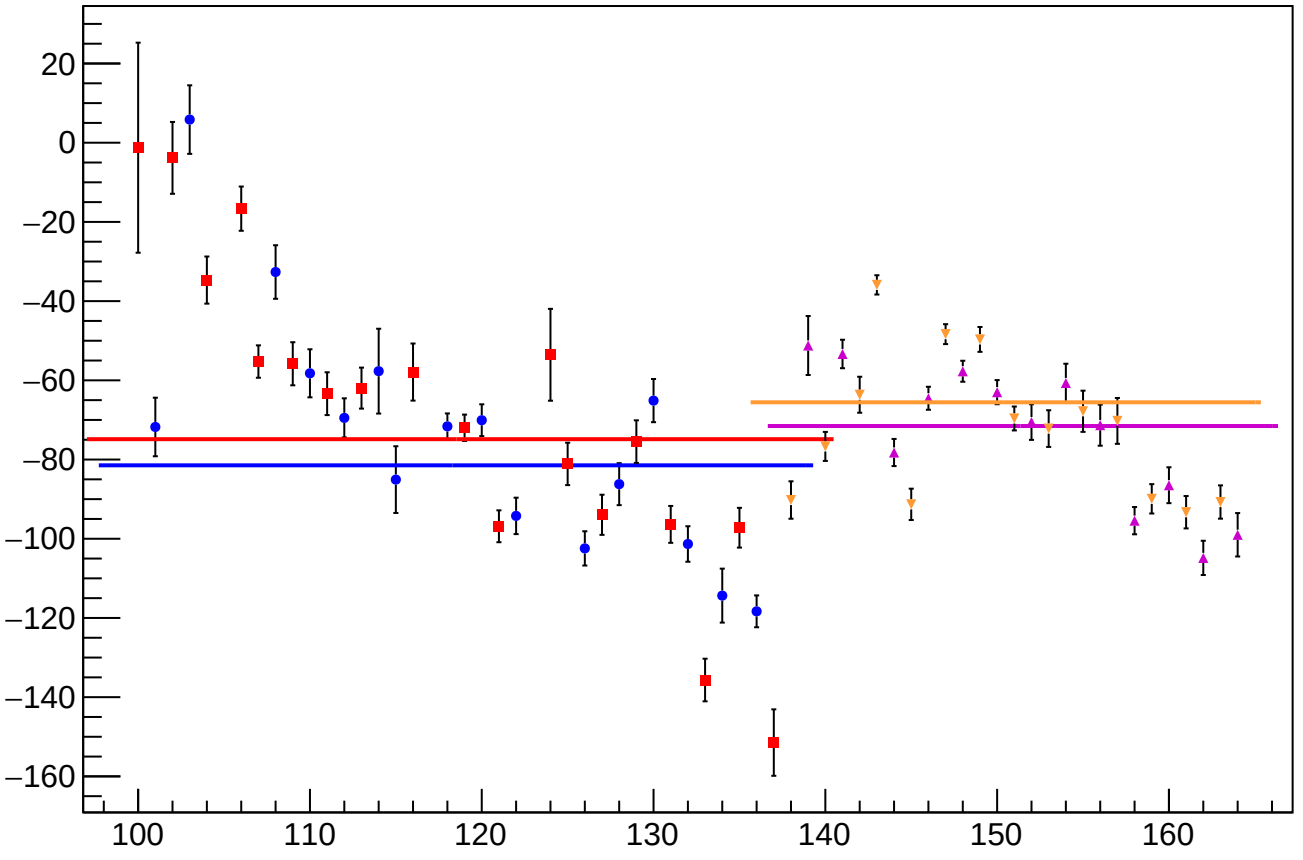
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

+ sign -232.309+/-0.860 χ^2/NDF: 2191.7/29

All: -231.471+/-0.611 χ^2/NDF: 5549.9/61

- 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: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

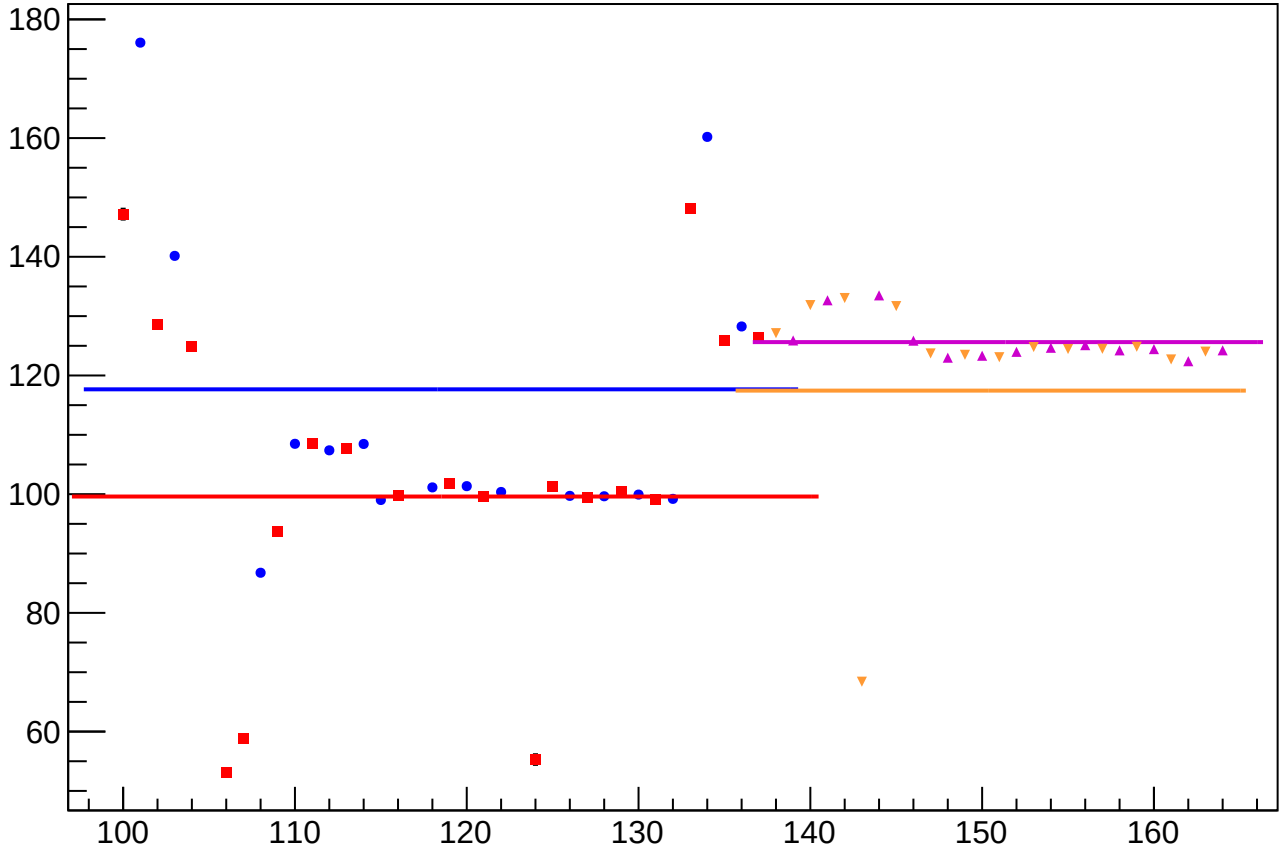
Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

\+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -72.083+/-0.556 χ^2/NDF: 1703.3/61

\- sign -72.946+/-0.801 χ^2/NDF: 807.2/31

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

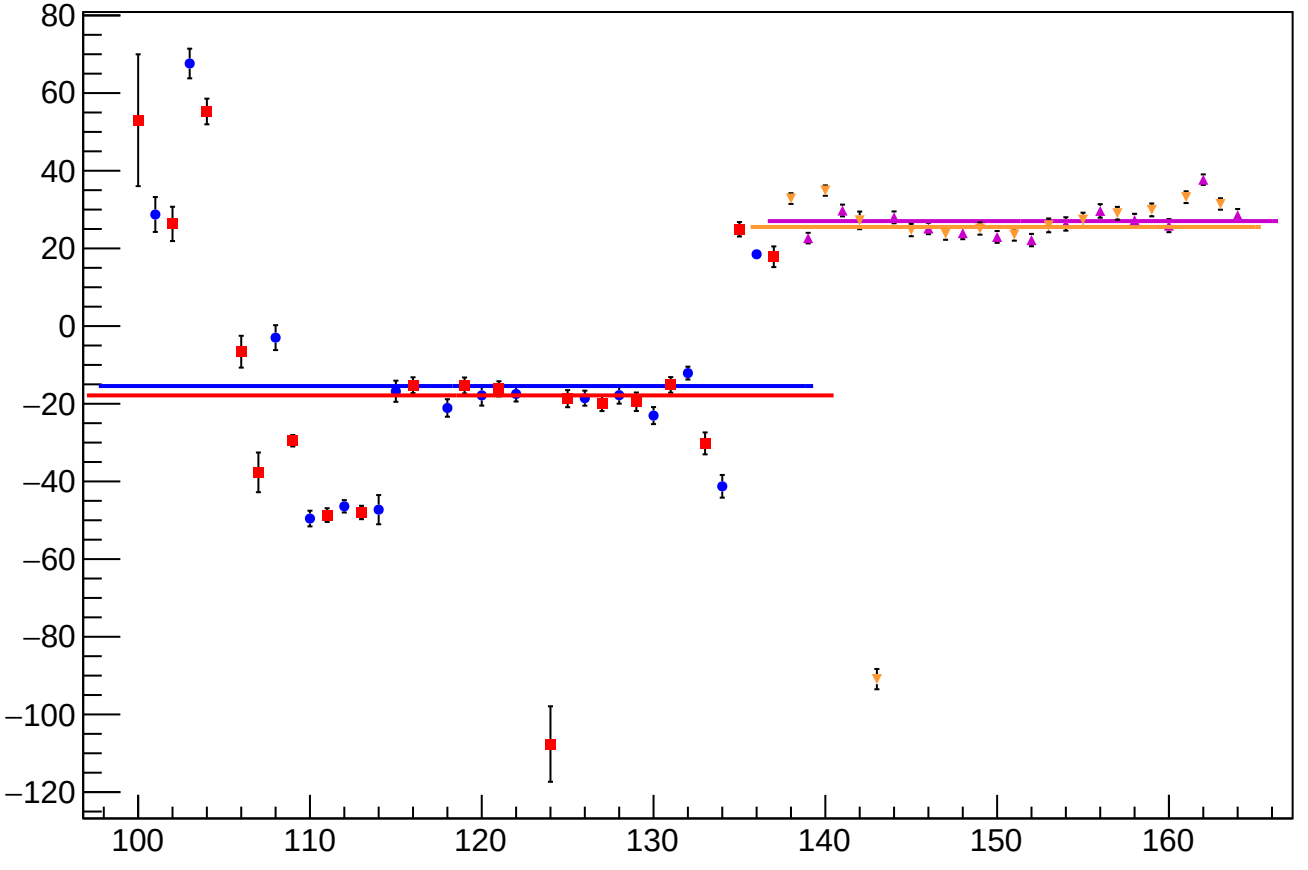
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61

- 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: 25.523+/-0.436 χ^2/NDF:2121.2/13

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

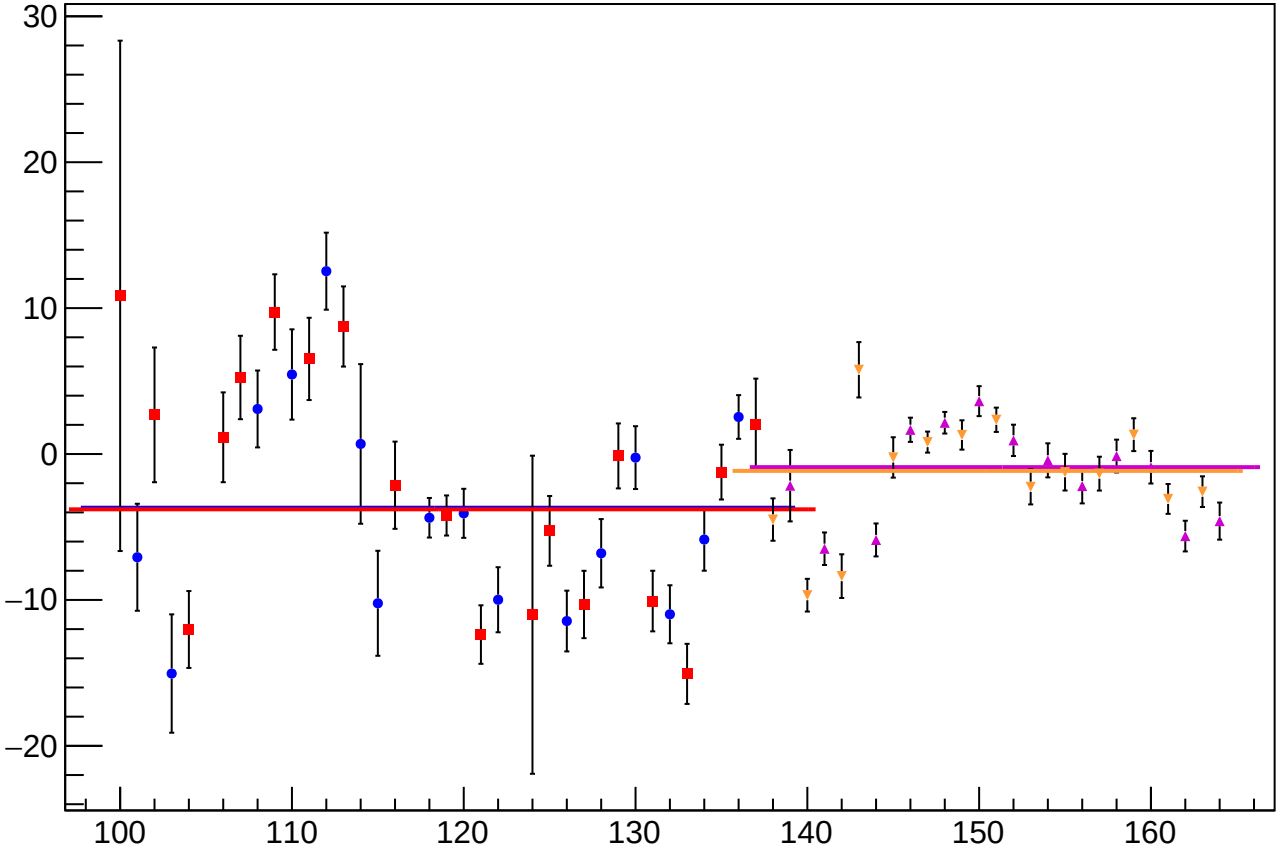
Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

+ sign 9.342+/-0.339 χ^2/NDF: 7738.6/29

All: 9.253+/-0.238 χ^2/NDF: 14287.5/61

- sign 9.167+/-0.334 χ^2/NDF: 6548.8/31

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.155+/-0.294 χ^2/NDF:142.3/13

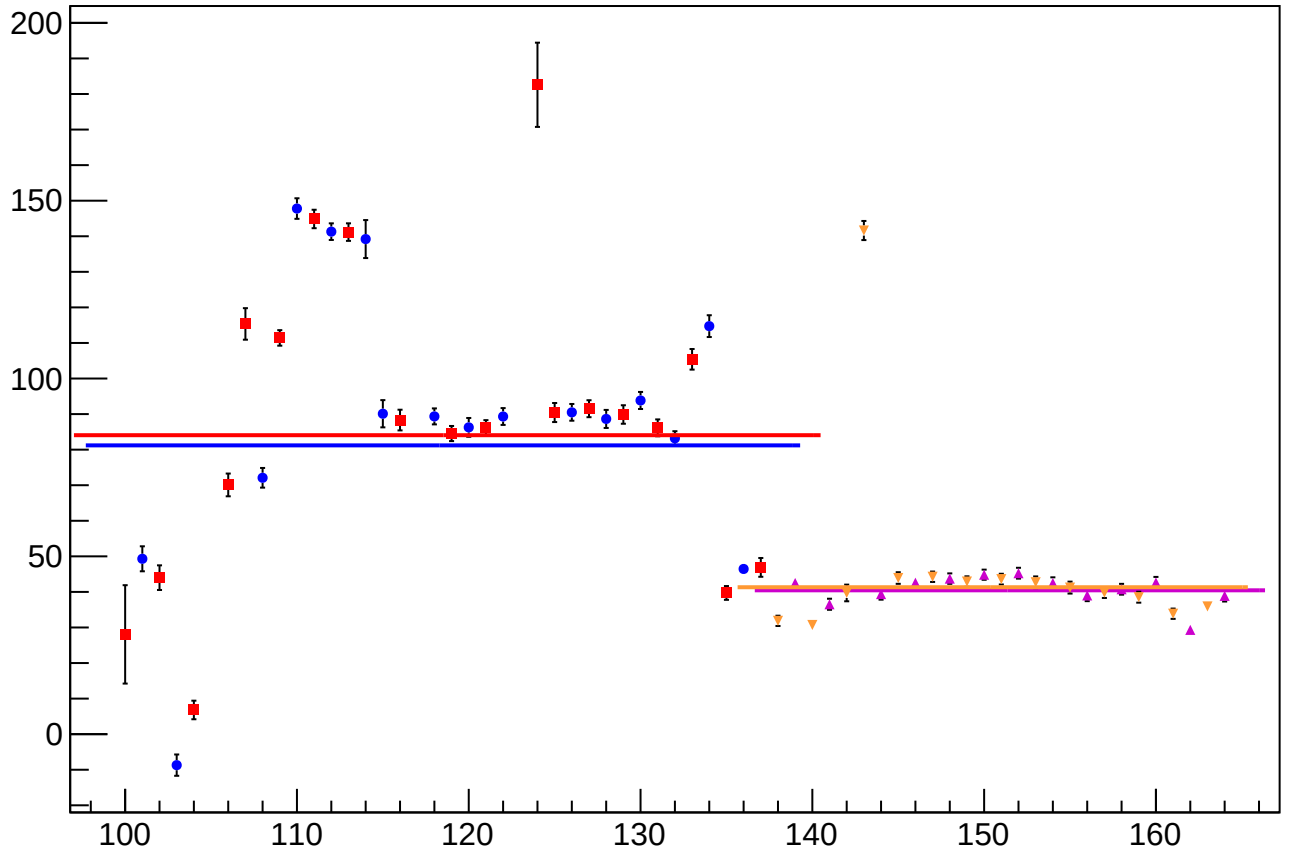
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.899+/-0.296 χ^2/NDF:124.2/12

+ sign -1.713+/-0.259 χ^2/NDF: 282.6/29

All: -1.619+/-0.184 χ^2/NDF: 588.8/61

- sign -1.524+/-0.262 χ^2/NDF: 306.0/31



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

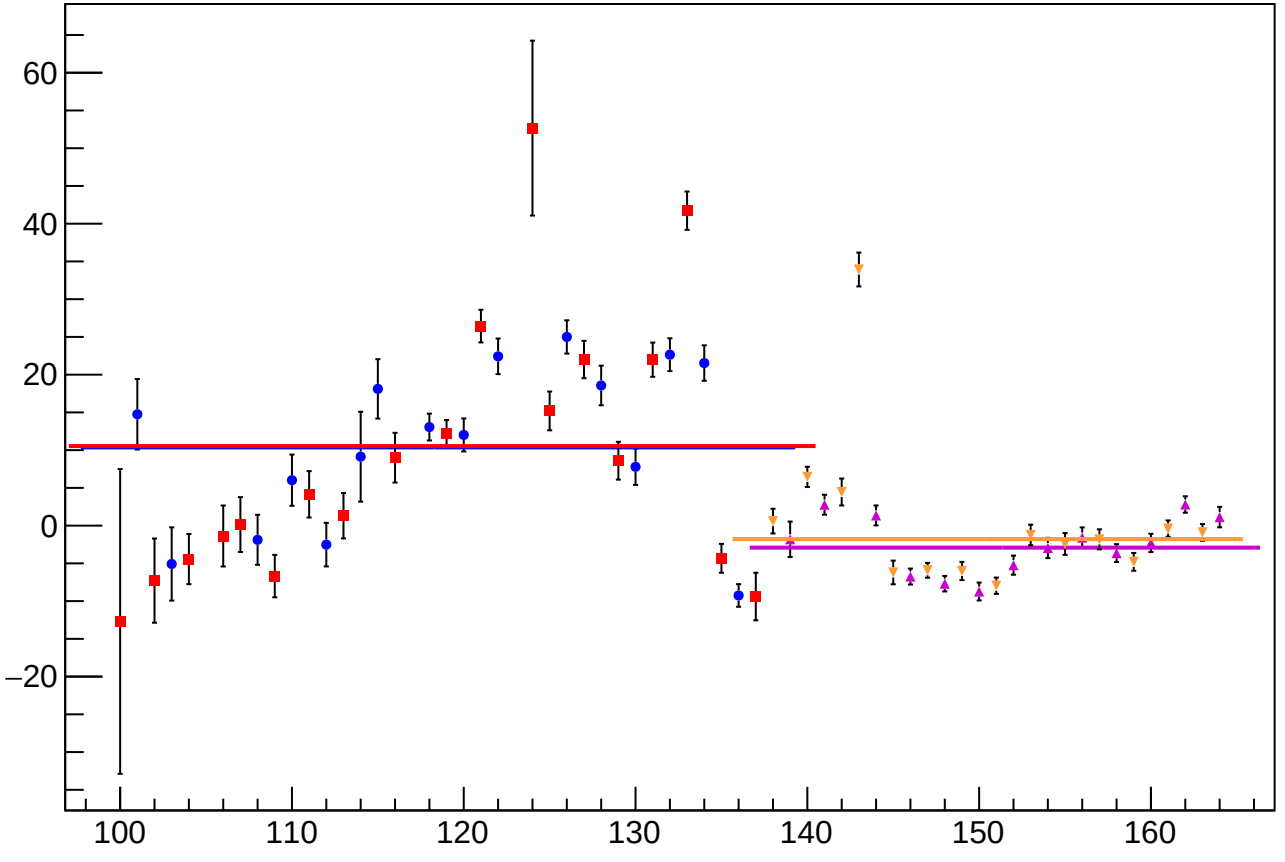
Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

\+ sign 54.287+/-0.346 χ^2/NDF: 7696.1/29

All: 54.179+/-0.244 χ^2/NDF: 14460.2/61

\- sign 54.073+/-0.344 χ^2/NDF: 6763.9/31

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.782+/-0.345 χ^2/NDF:385.5/13

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

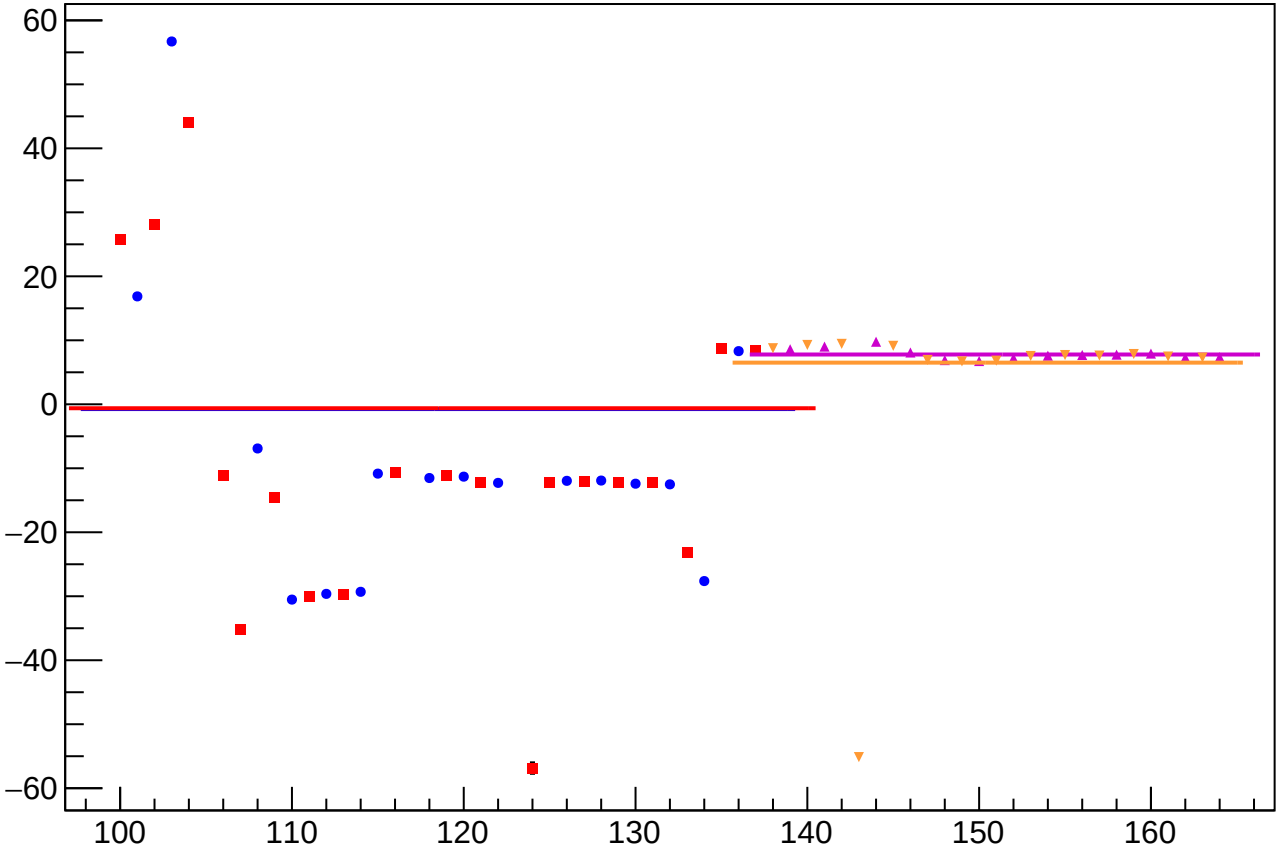
Left In: -2.916+/-0.345 χ^2/NDF:129.2/12

\+ sign 1.049+/-0.302 χ^2/NDF: 1033.7/29

All: 0.585+/-0.214 χ^2/NDF: 1980.4/61

\- sign 0.116+/-0.304 χ^2/NDF: 942.0/31

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

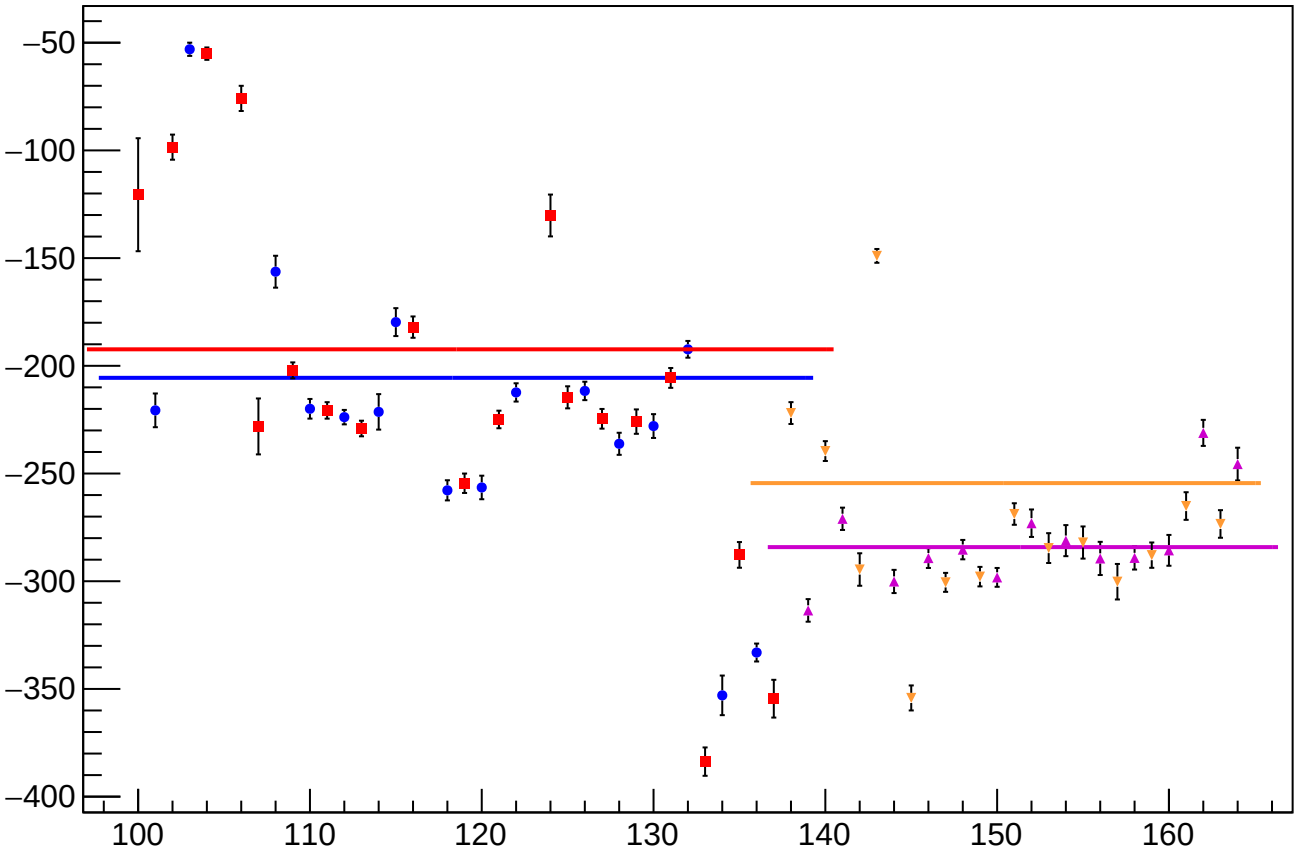
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

+ sign 5.321+/-0.015 χ^2/NDF: 715280.8/29

All: 5.936+/-0.010 χ^2/NDF: 1080734.7/61

- sign 6.537+/-0.014 χ^2/NDF: 361905.9/31



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -254.449+/-1.411 χ^2/NDF:1772.9/13

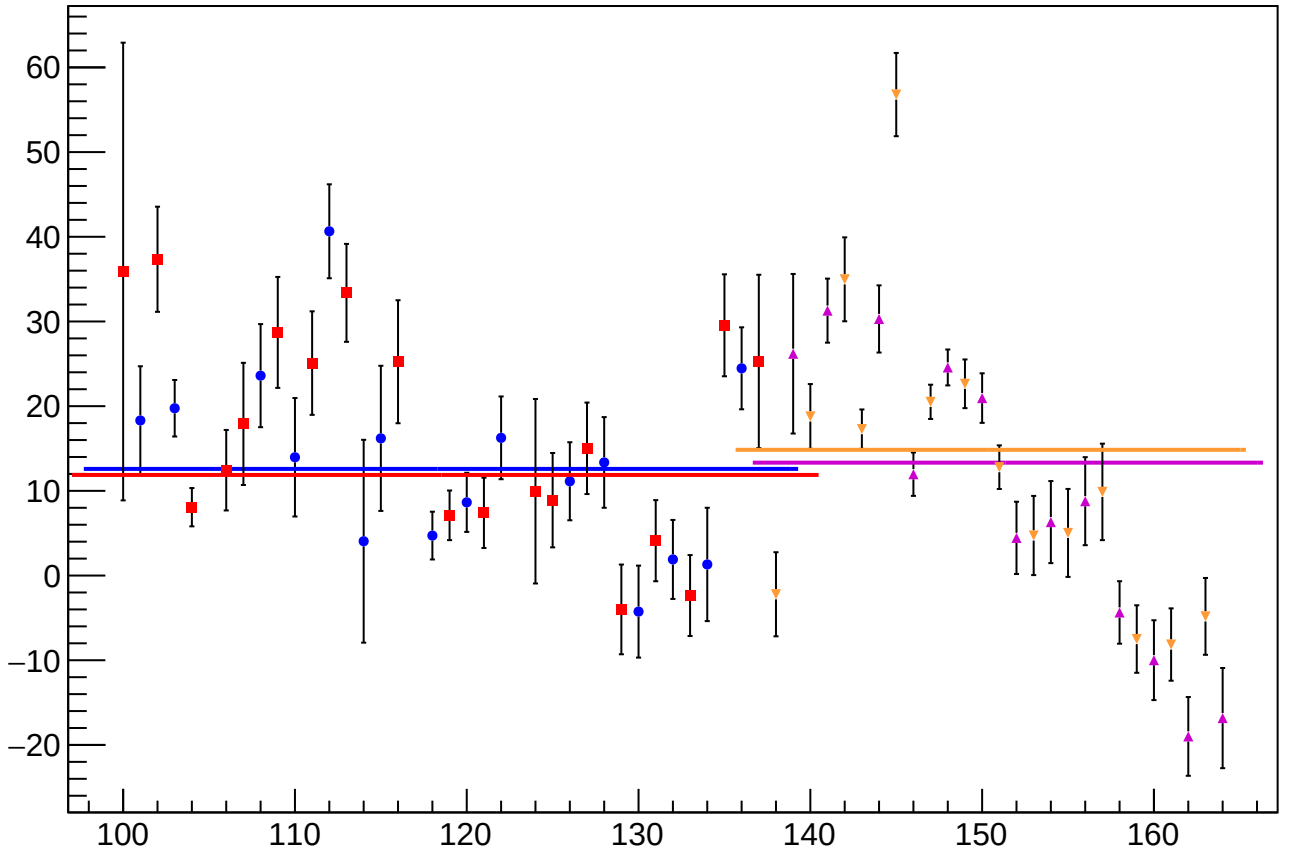
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -284.161+/-1.551 χ^2/NDF:165.5/12

+ sign -225.778+/-0.907 χ^2/NDF: 6532.4/29

All: -224.851+/-0.642 χ^2/NDF: 13970.5/61

- 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: 14.847+/-0.924 χ^2/NDF:207.2/13

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

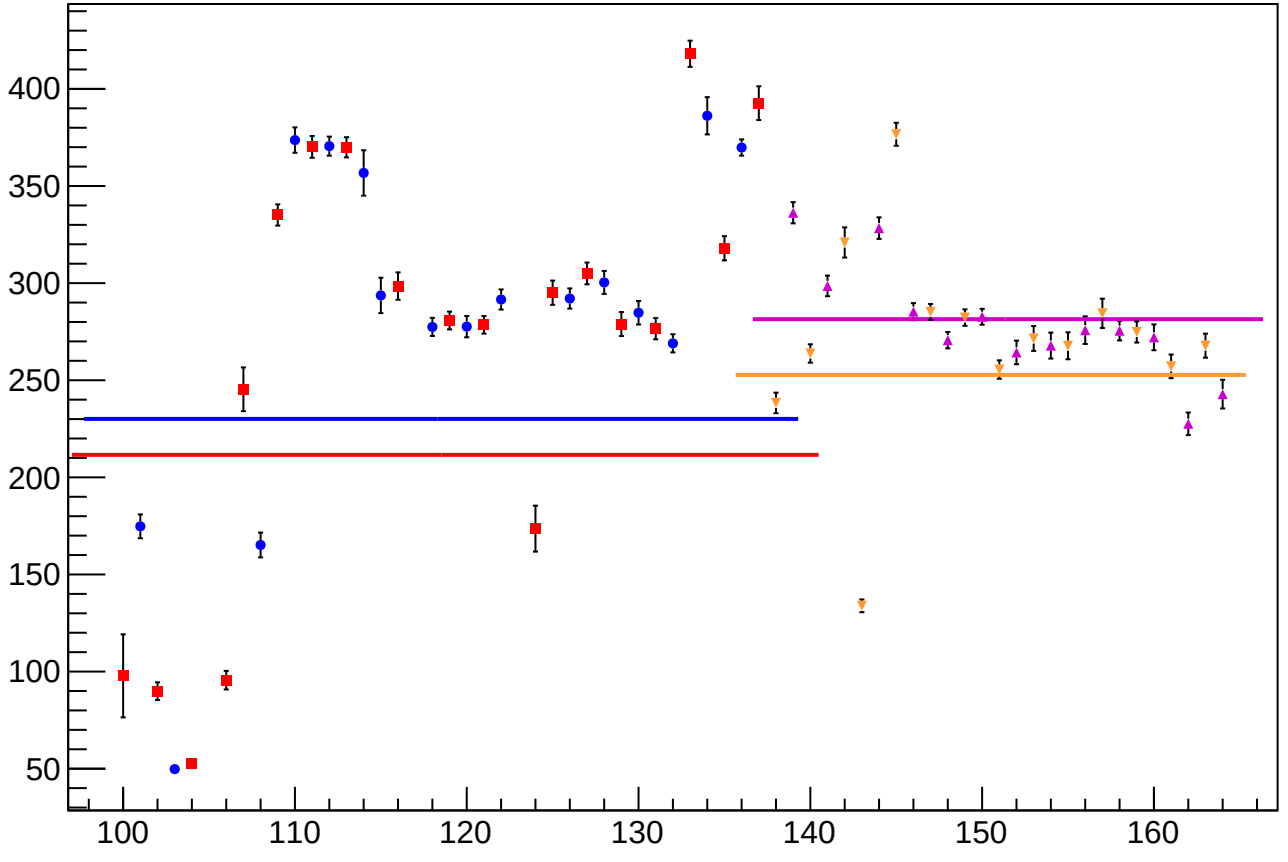
Left In: 13.330+/-1.018 χ^2/NDF:206.8/12

+ sign 14.011+/-0.733 χ^2/NDF: 277.9/29

All: 13.362+/-0.525 χ^2/NDF: 572.2/61

- sign 12.675+/-0.754 χ^2/NDF: 292.7/31

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 252.724+/-1.378 χ^2/NDF:1991.3/13

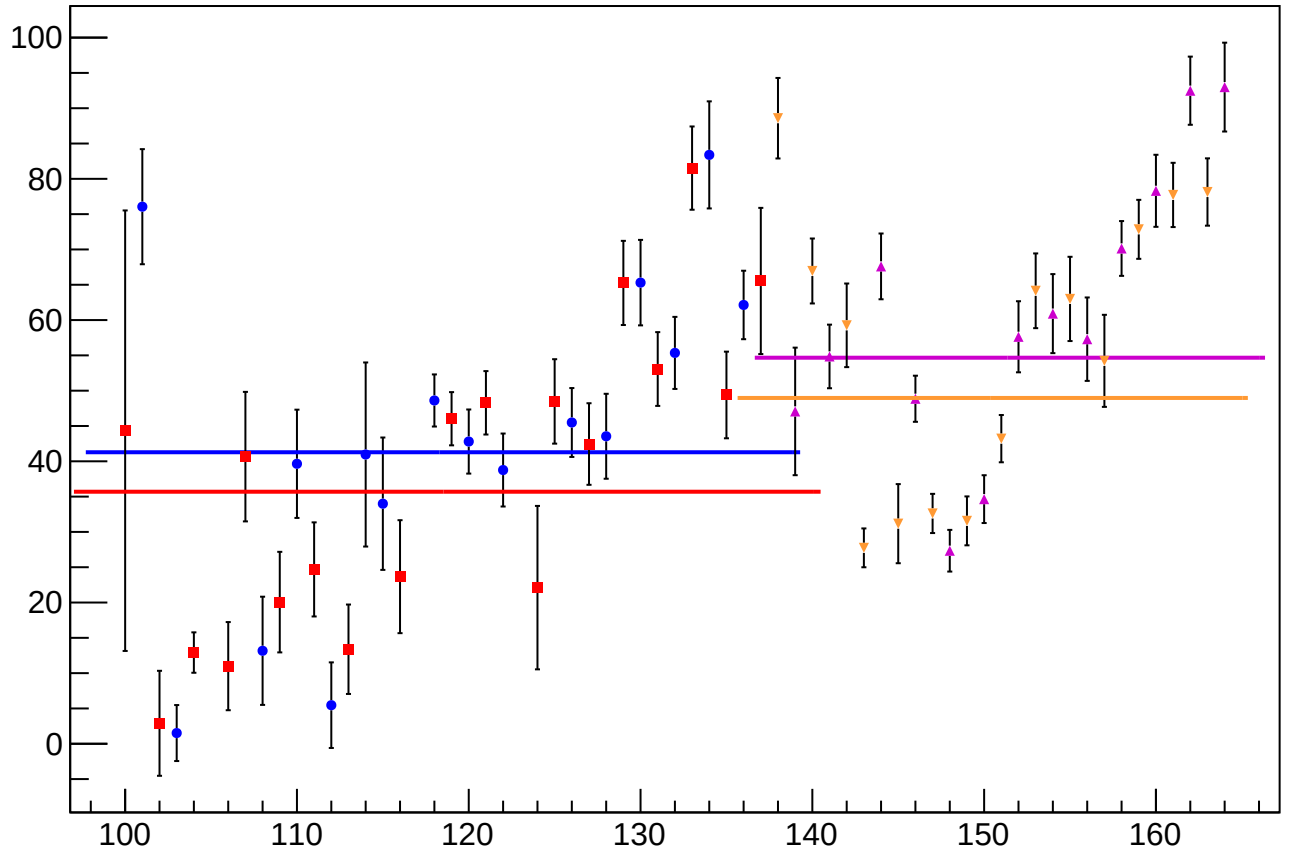
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 281.445+/-1.492 χ^2/NDF:319.0/12

+ sign 240.393+/-0.930 χ^2/NDF: 11513.8/29

All: 239.646+/-0.659 χ^2/NDF: 24641.3/61

- sign 238.893+/-0.933 χ^2/NDF: 13126.2/31



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 48.971+/-1.111 χ^2/NDF:323.6/13

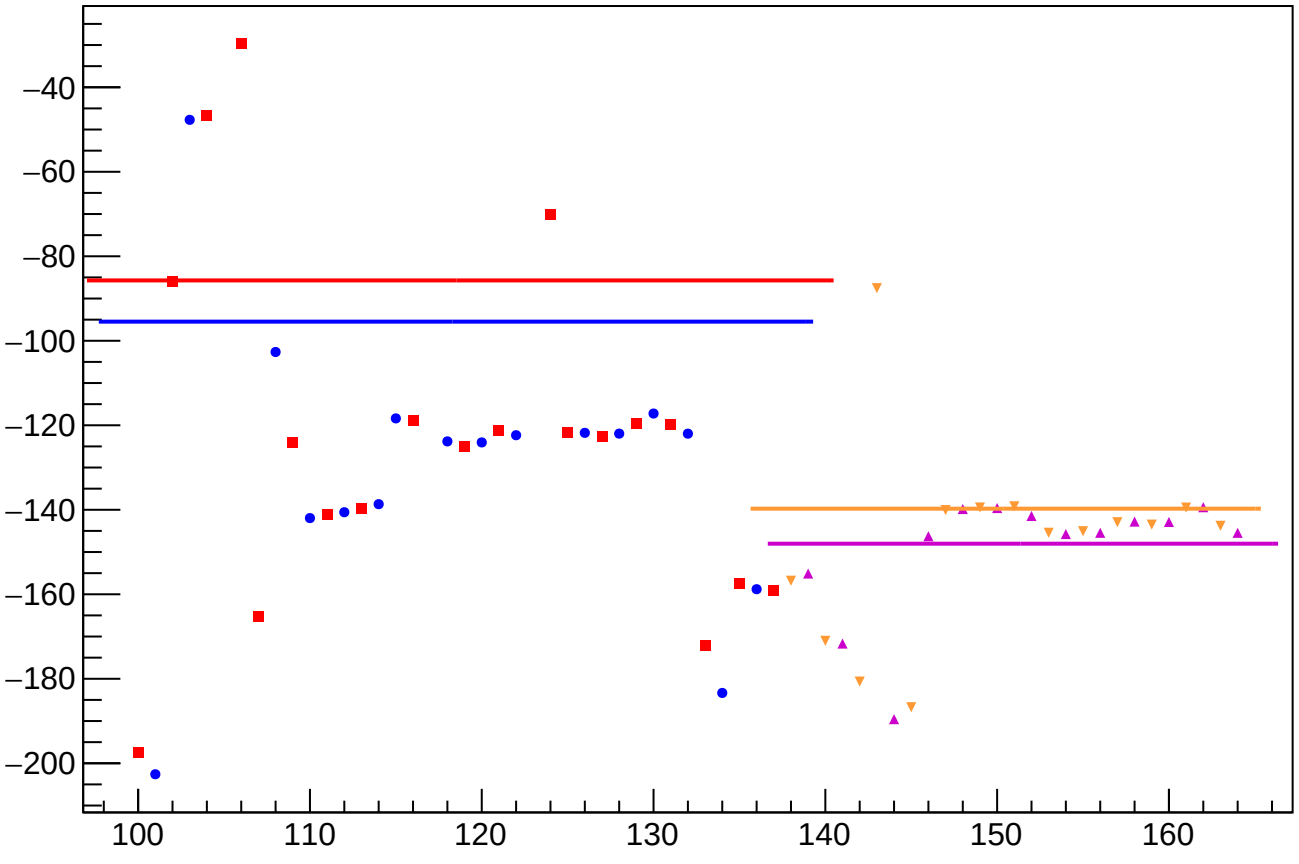
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 54.669+/-1.216 χ^2/NDF:270.0/12

+ sign 45.993+/-0.870 χ^2/NDF: 587.9/29

All: 45.966+/-0.623 χ^2/NDF: 1223.2/61

- 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: -139.738+/-0.054 χ^2/NDF:231307.7/13

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

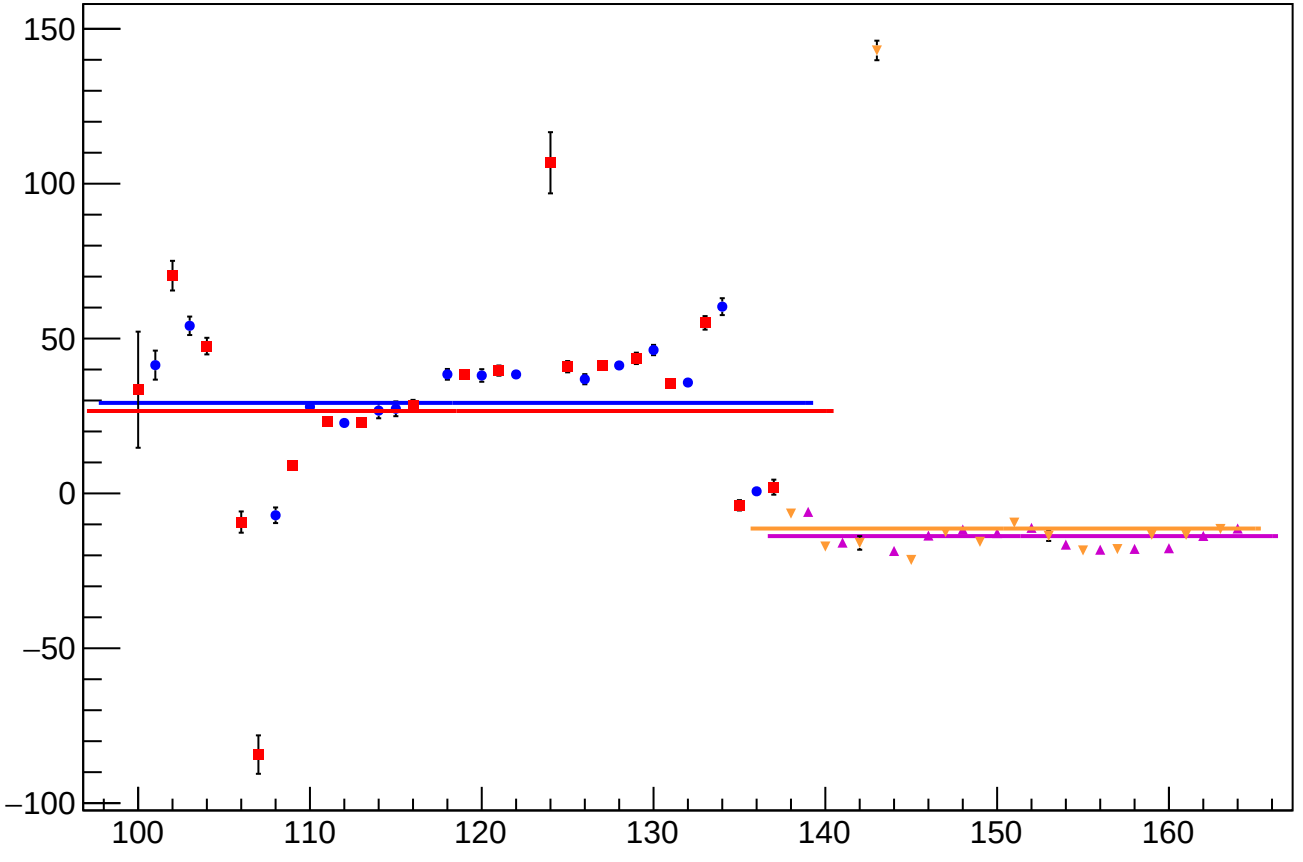
Left In: -148.028+/-0.057 χ^2/NDF:50160.0/12

\+ sign -122.994+/-0.043 χ^2/NDF: 1003894.5/29

All: -122.405+/-0.030 χ^2/NDF: 2038624.5/61

\- sign -121.796+/-0.043 χ^2/NDF: 1034343.2/31

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.340+/-0.409 χ^2/NDF:2529.7/13

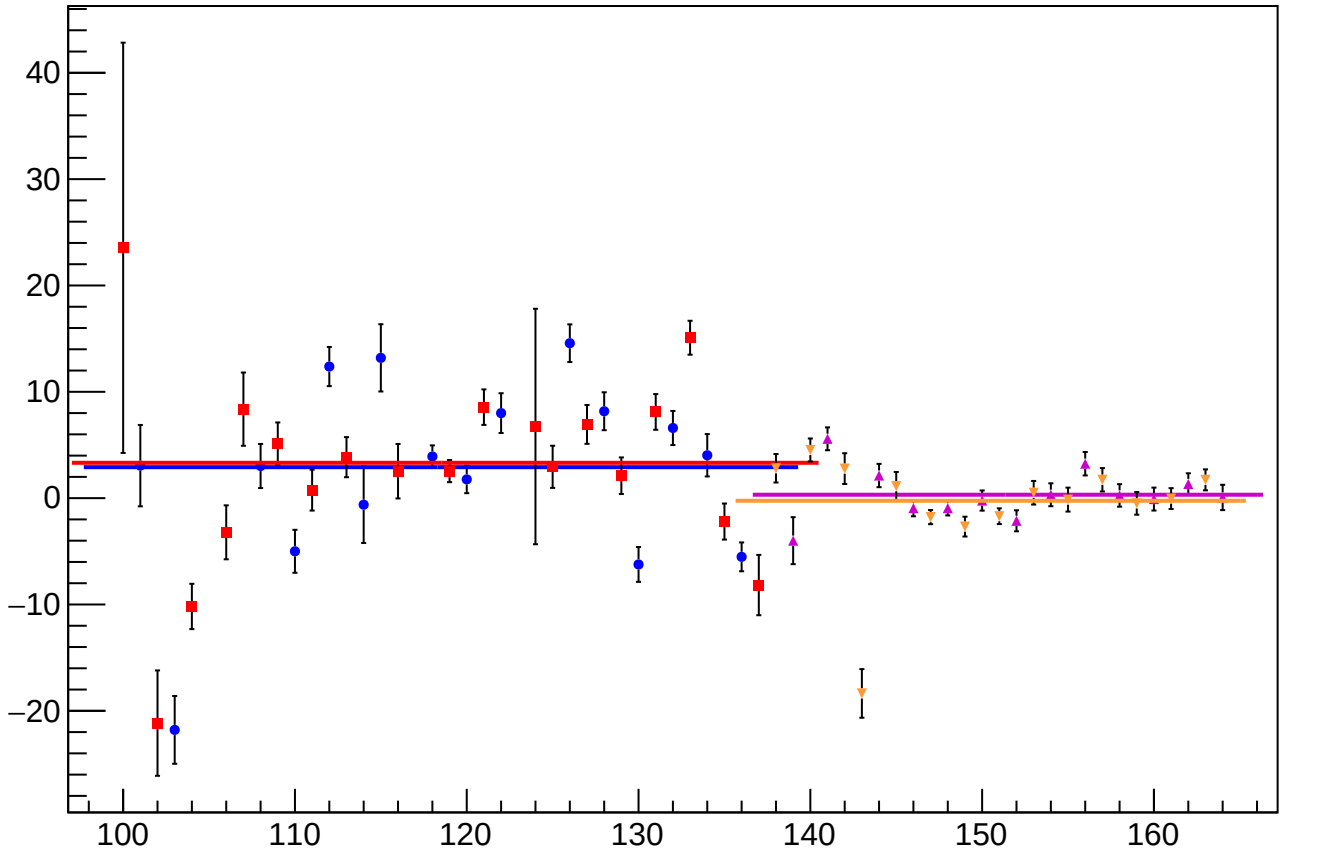
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

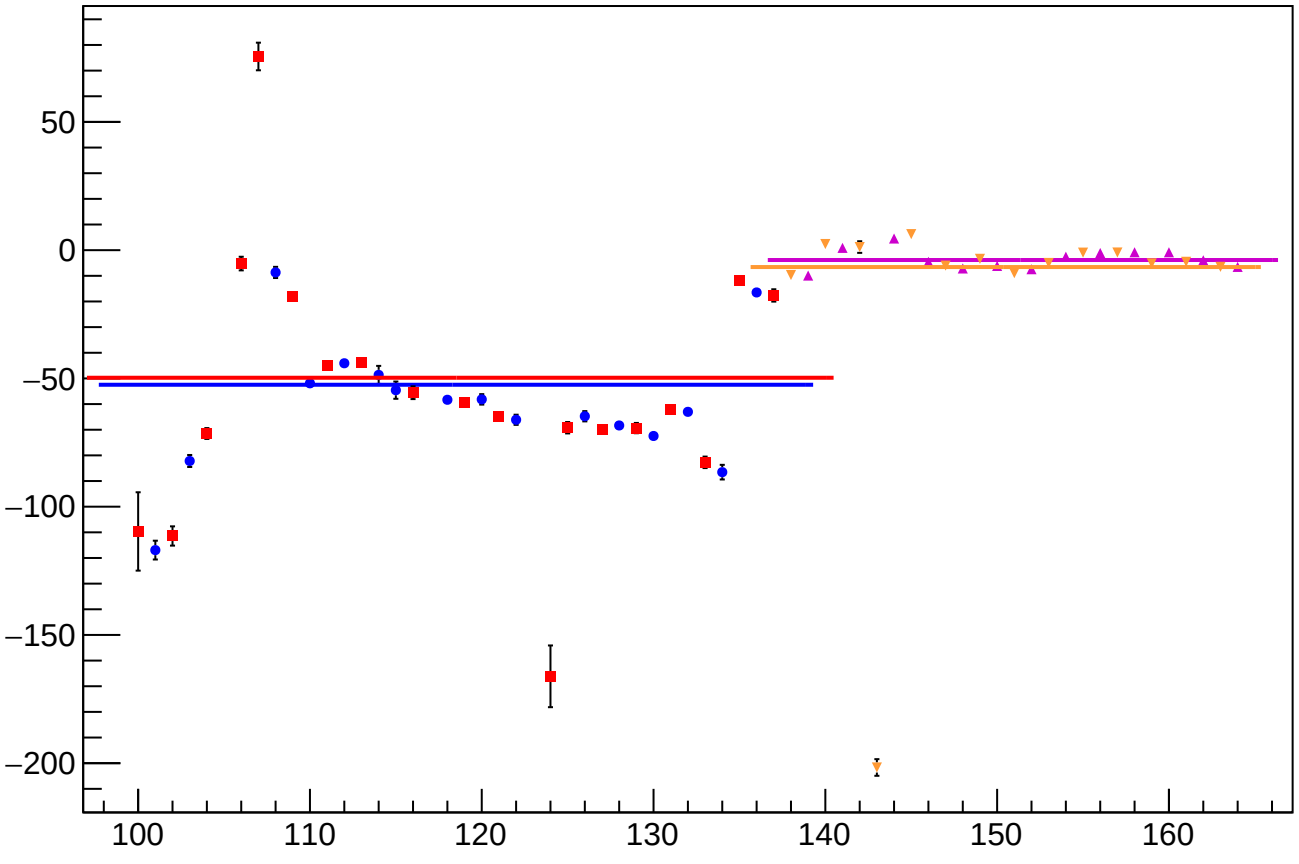
Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

+ sign 8.185+/-0.294 χ^2/NDF: 8615.3/29

All: 6.992+/-0.206 χ^2/NDF: 15544.8/61

- 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: -0.246+/-0.275 χ²/NDF:116.7/13
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.321+/-0.277 χ²/NDF:51.4/12
+ sign 0.632+/-0.233 χ²/NDF: 403.4/29
All: 0.882+/-0.166 χ²/NDF: 670.9/61
- sign 1.138+/-0.236 χ²/NDF: 265.1/31



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

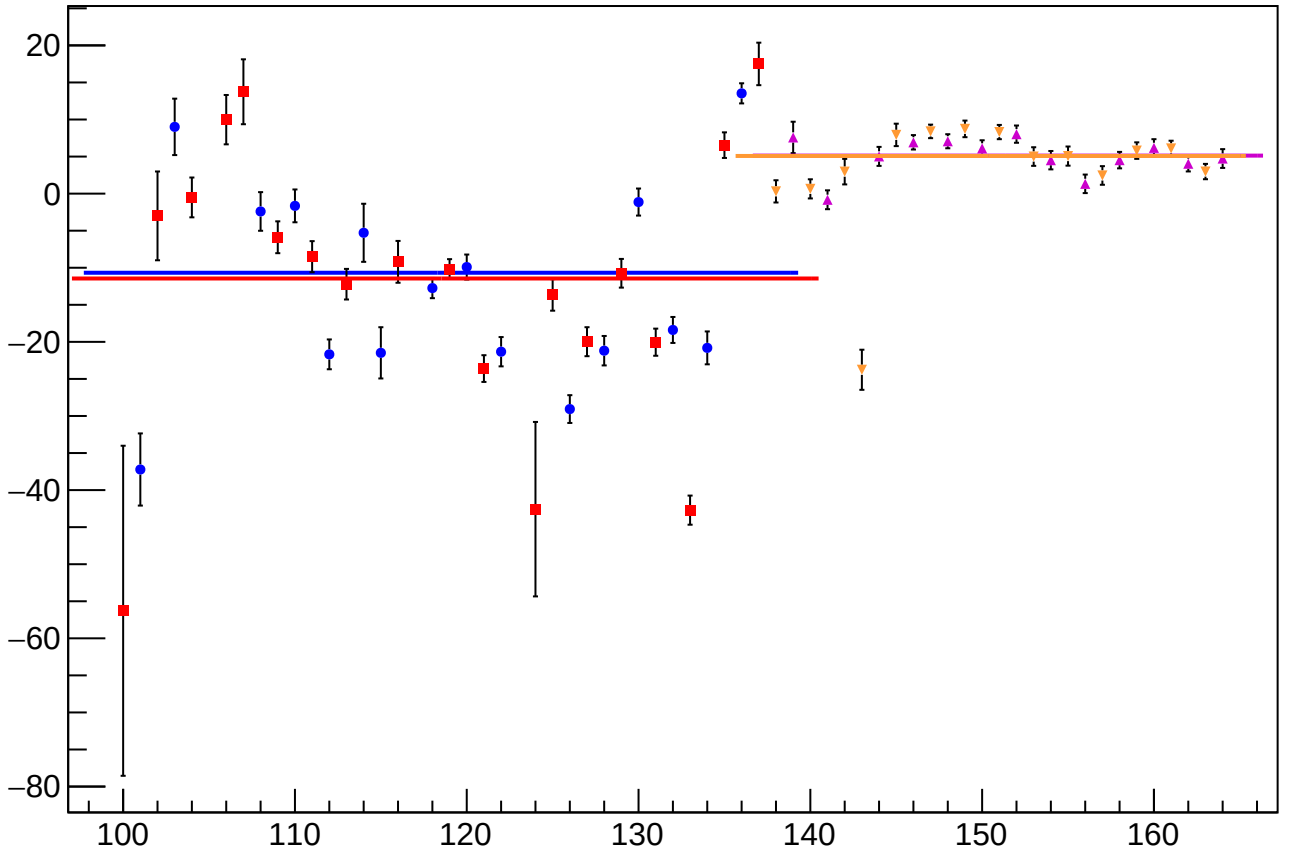
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

+ sign -24.749+/-0.307 χ^2/NDF: 11463.4/29

All: -23.042+/-0.216 χ^2/NDF: 19966.0/61

- 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: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

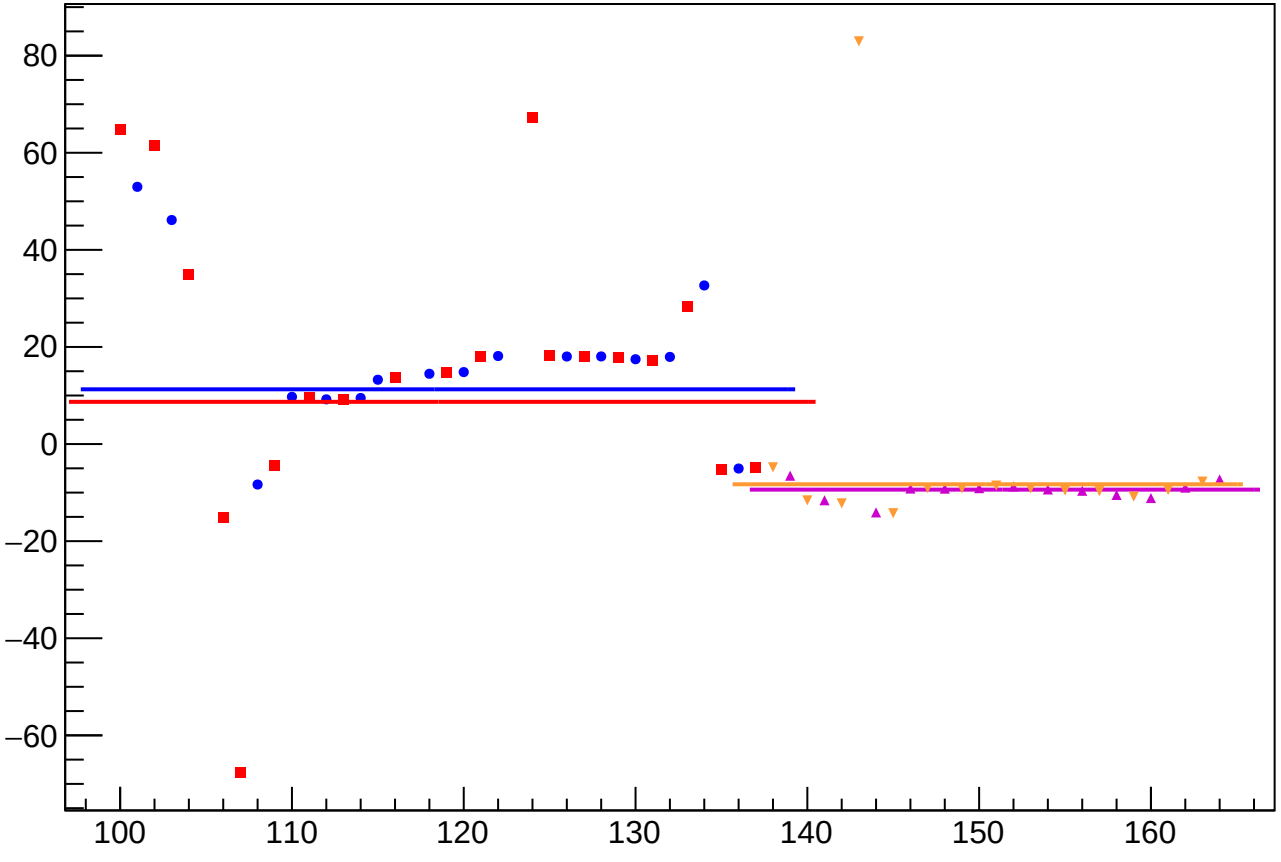
Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

\+ sign 0.505+/-0.272 χ^2/NDF: 1541.7/29

All: 0.480+/-0.193 χ^2/NDF: 2998.1/61

\- 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: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

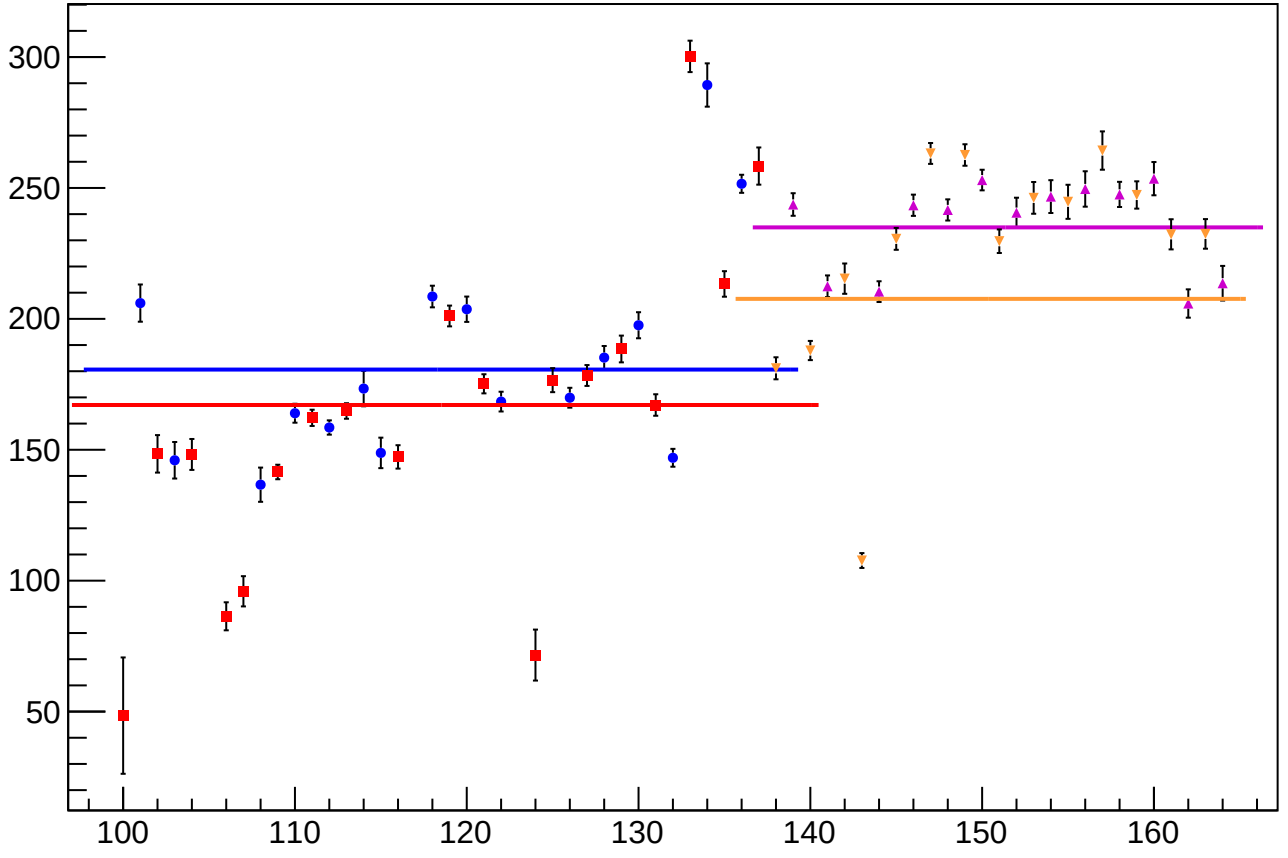
Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

+ sign -4.415+/-0.013 χ^2/NDF: 1172455.9/29

All: -5.318+/-0.009 χ^2/NDF: 1903936.9/61

- sign -6.204+/-0.013 χ^2/NDF: 722366.4/31

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

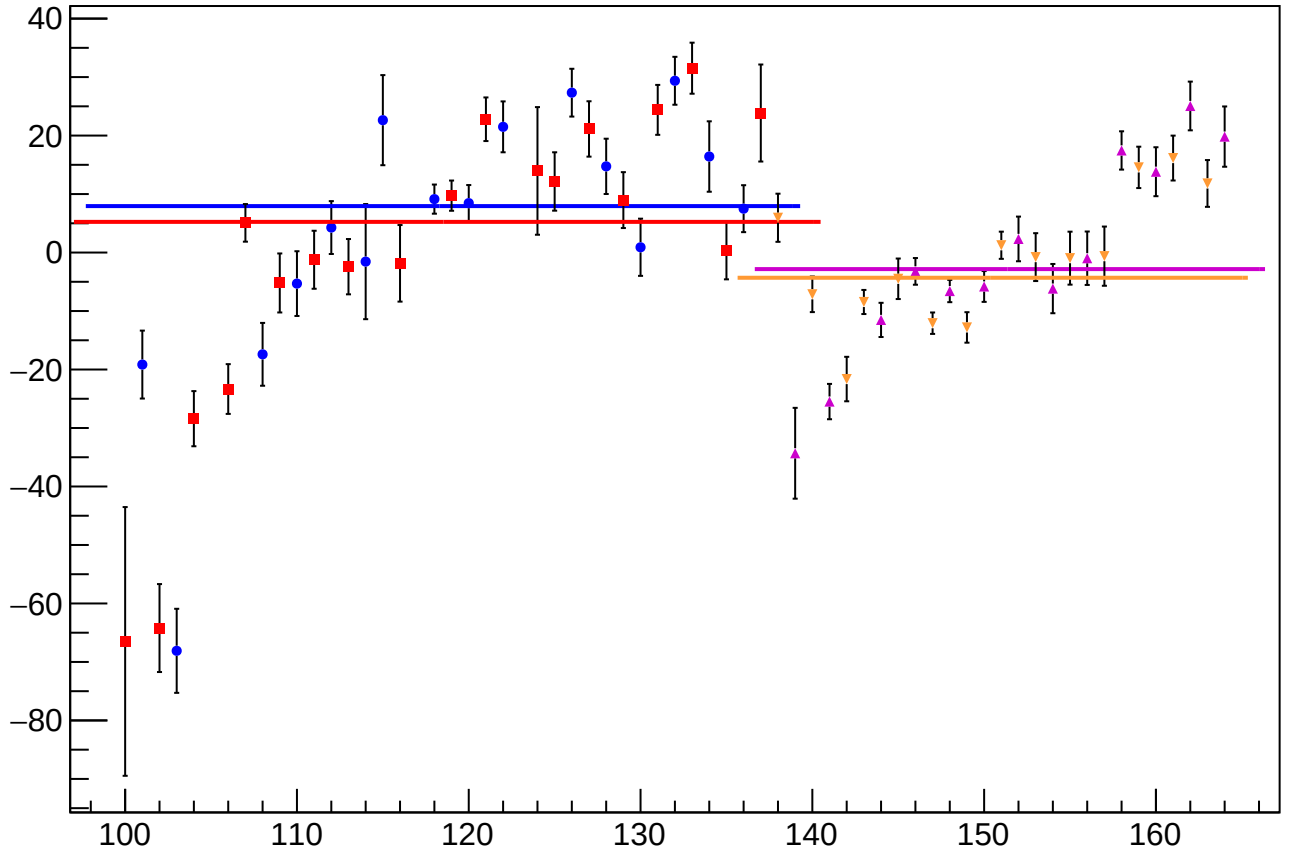
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61

- 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: -4.310+/-0.805 χ^2/NDF:141.2/13

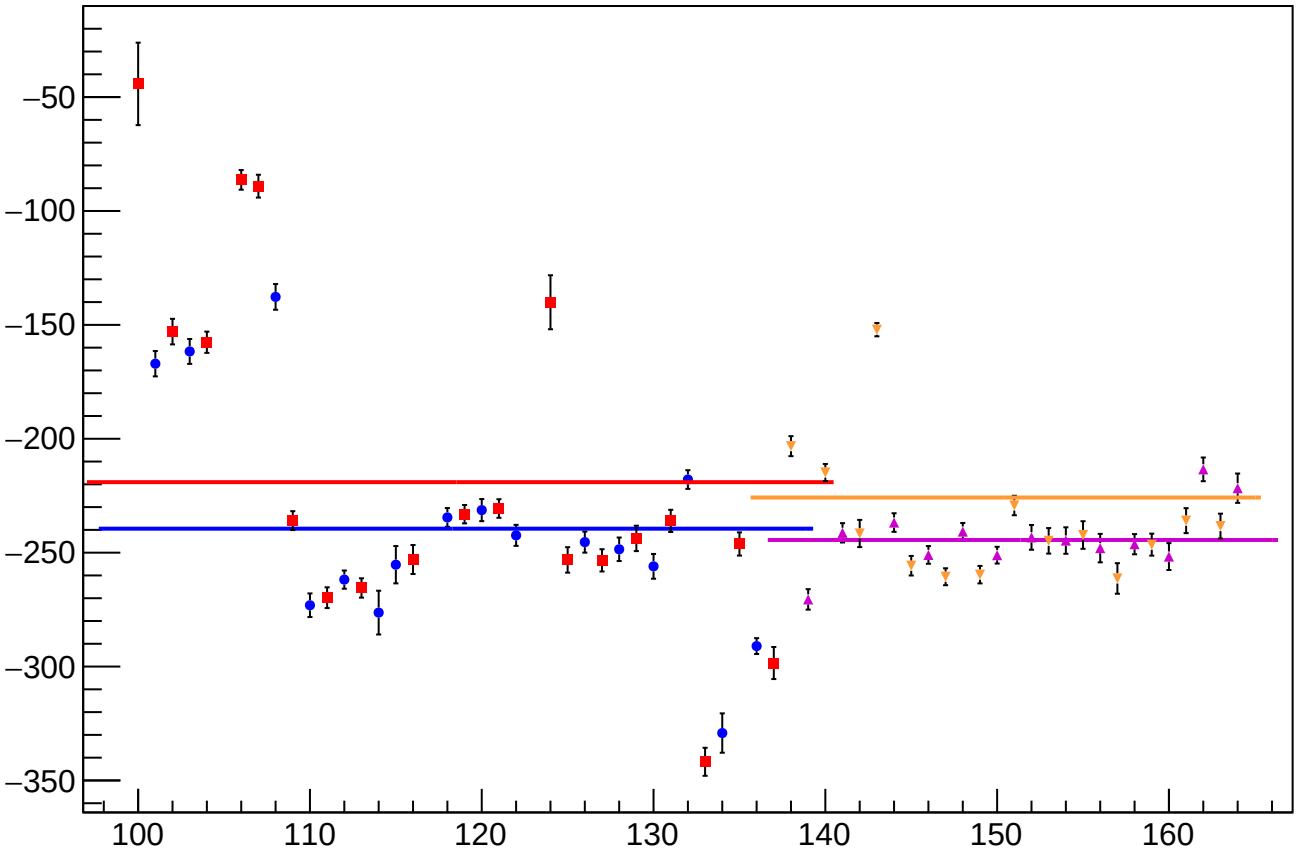
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

- sign 0.484+/-0.680 χ^2/NDF: 544.7/31



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

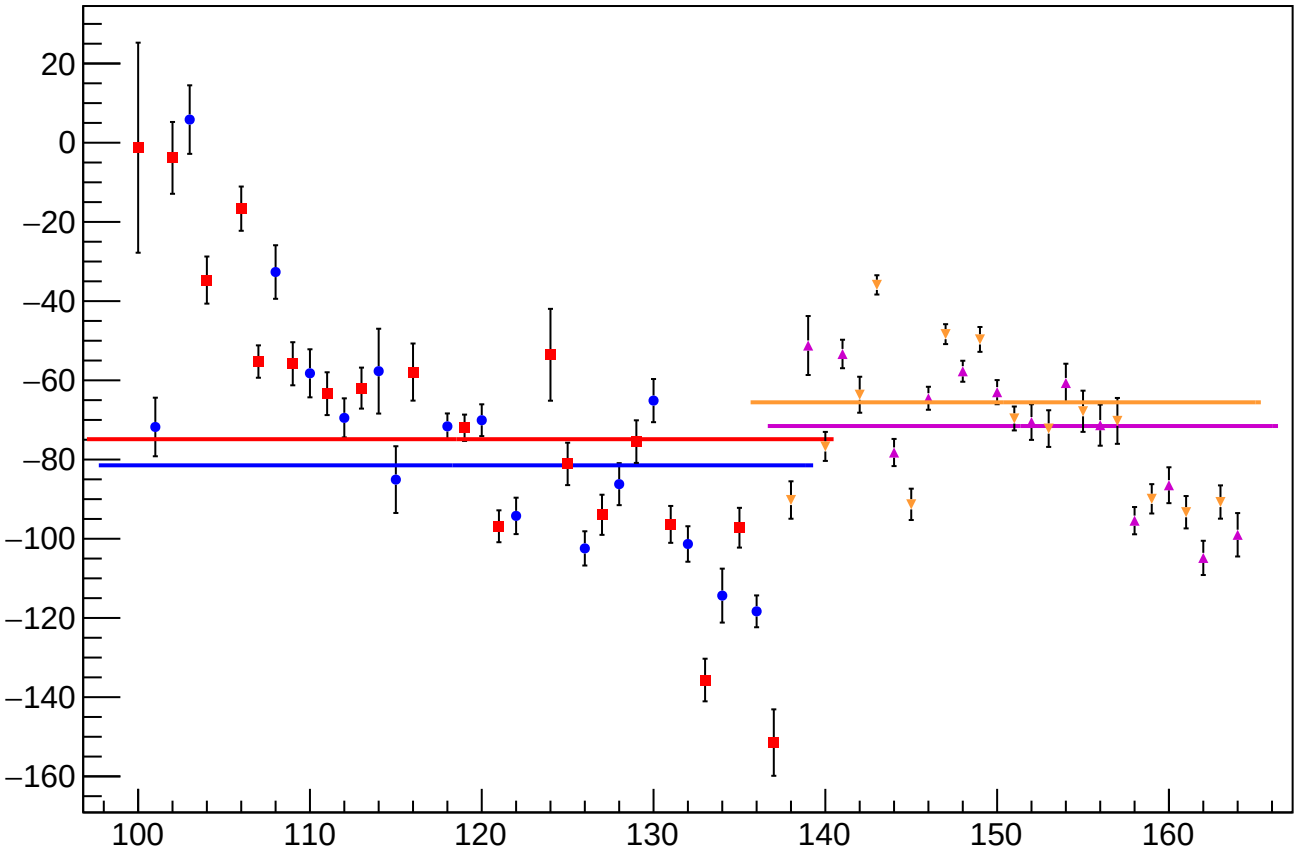
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

+ sign -232.309+/-0.860 χ^2/NDF: 2191.7/29

All: -231.471+/-0.611 χ^2/NDF: 5549.9/61

- 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: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

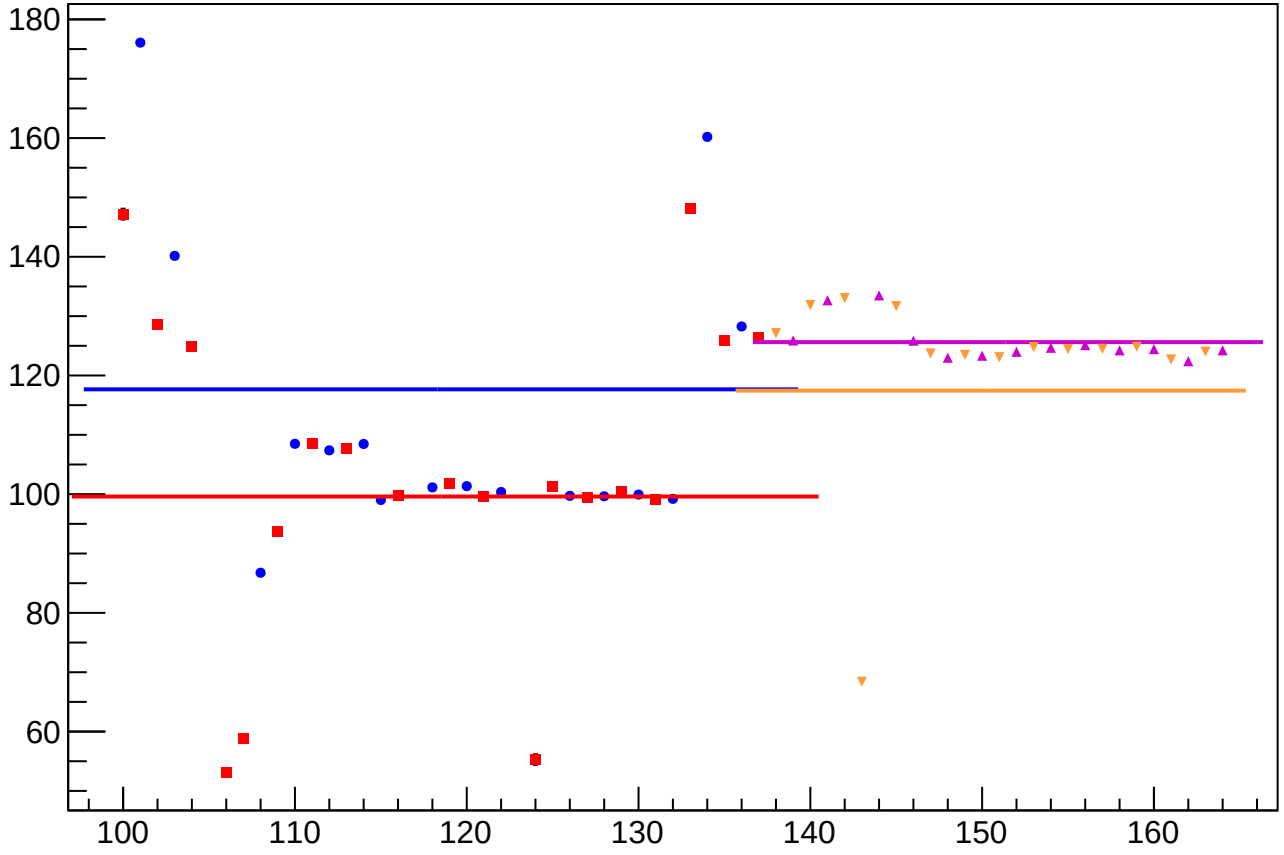
Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -72.083+/-0.556 χ^2/NDF: 1703.3/61

- sign -72.946+/-0.801 χ^2/NDF: 807.2/31

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

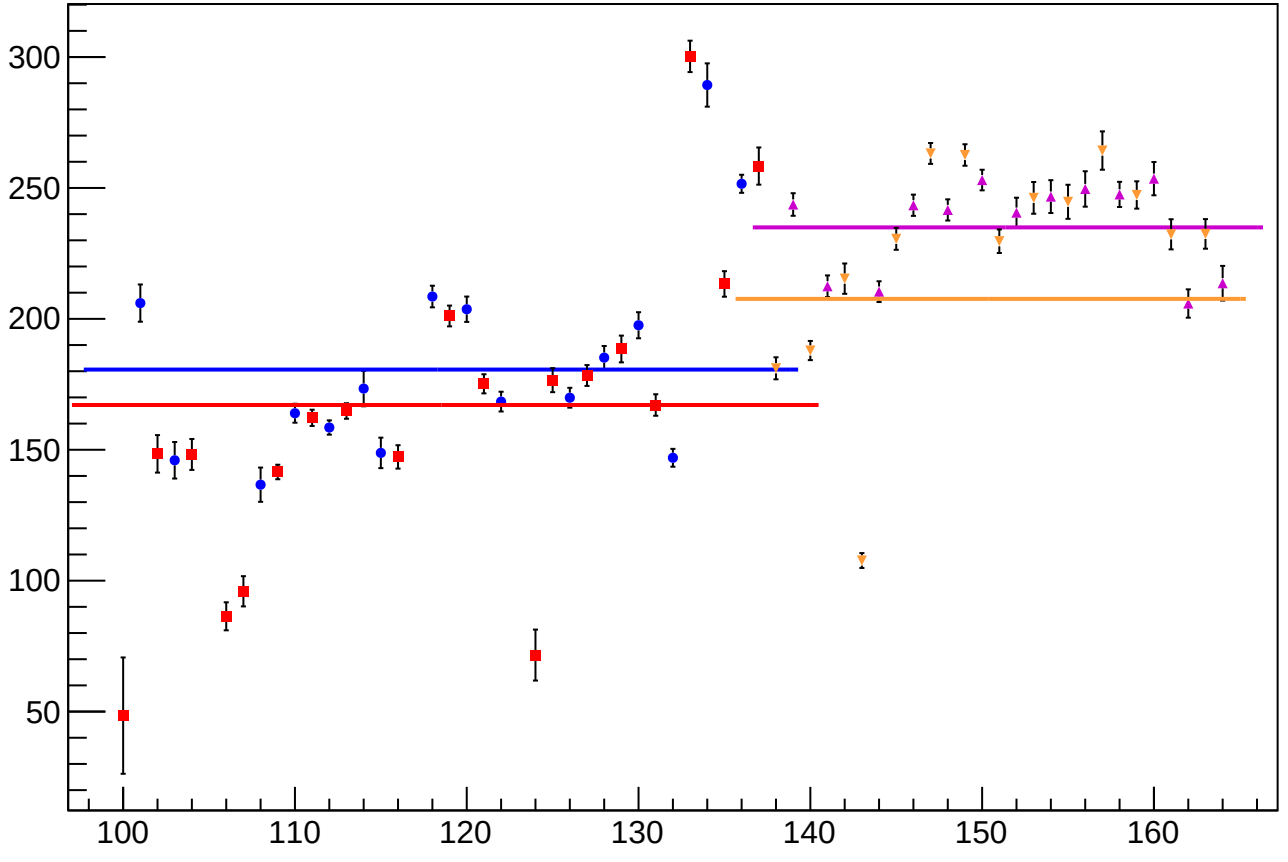
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61

- 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: 207.638+/-1.212 χ^2/NDF:1962.8/13

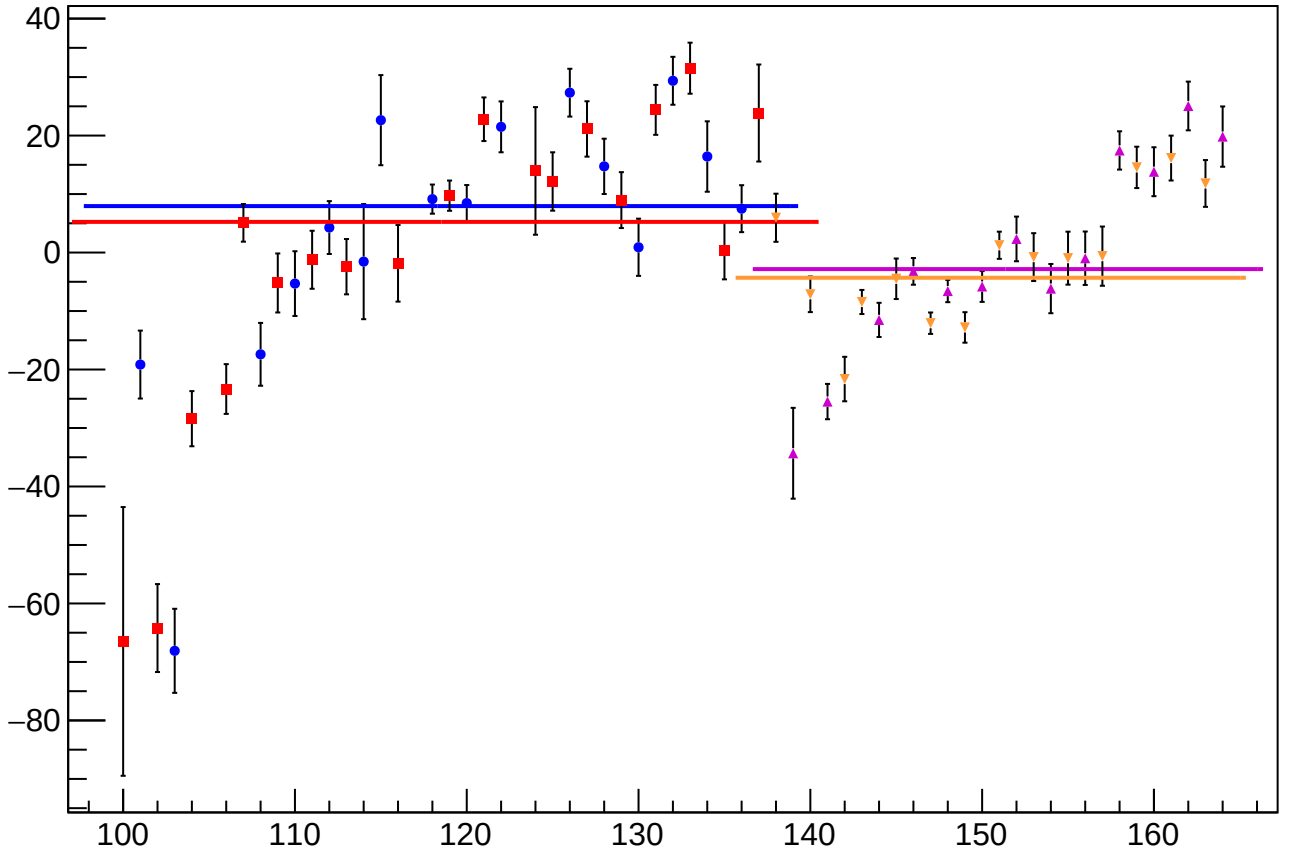
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61

- 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: -4.310+/-0.805 χ^2/NDF:141.2/13

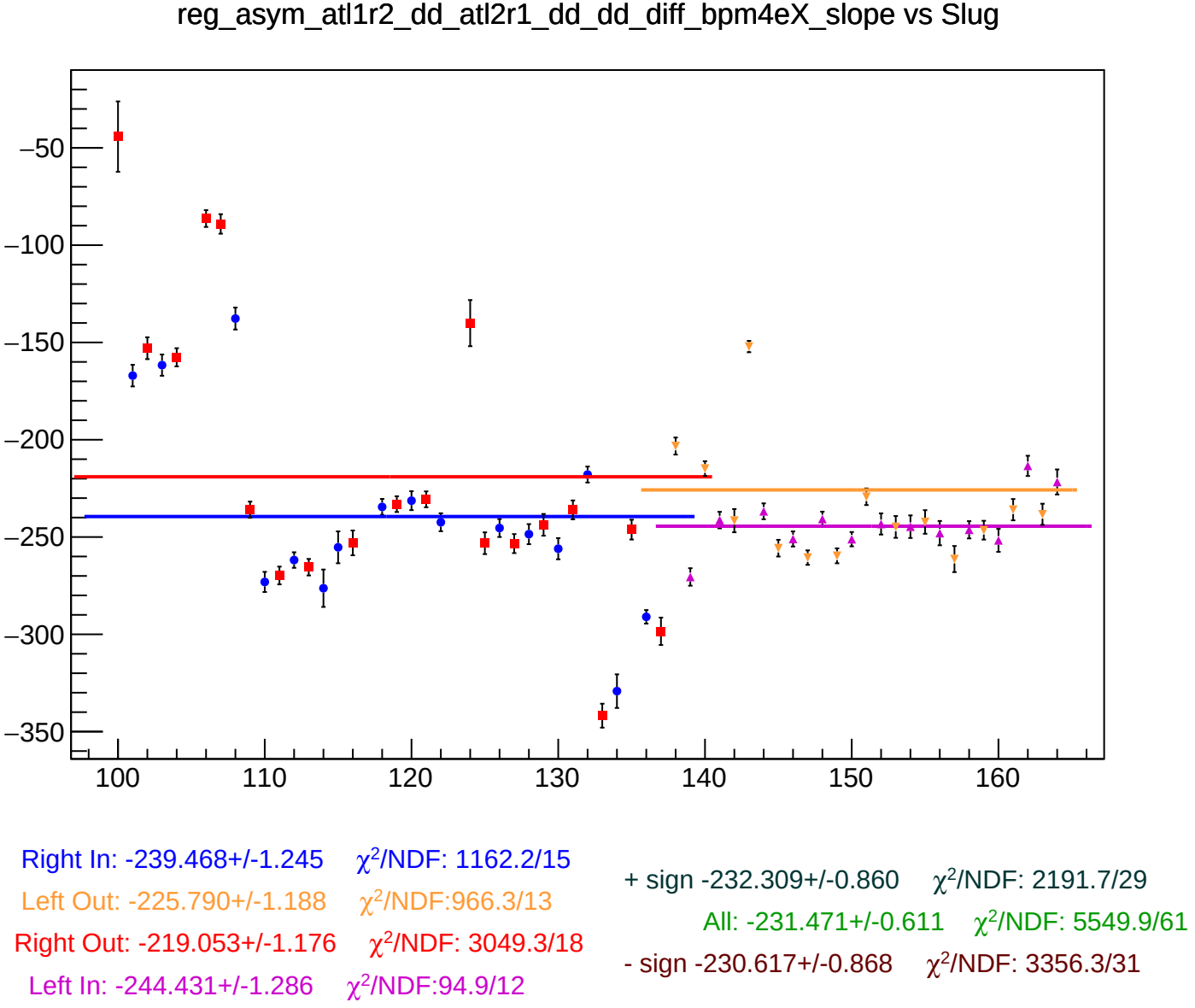
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

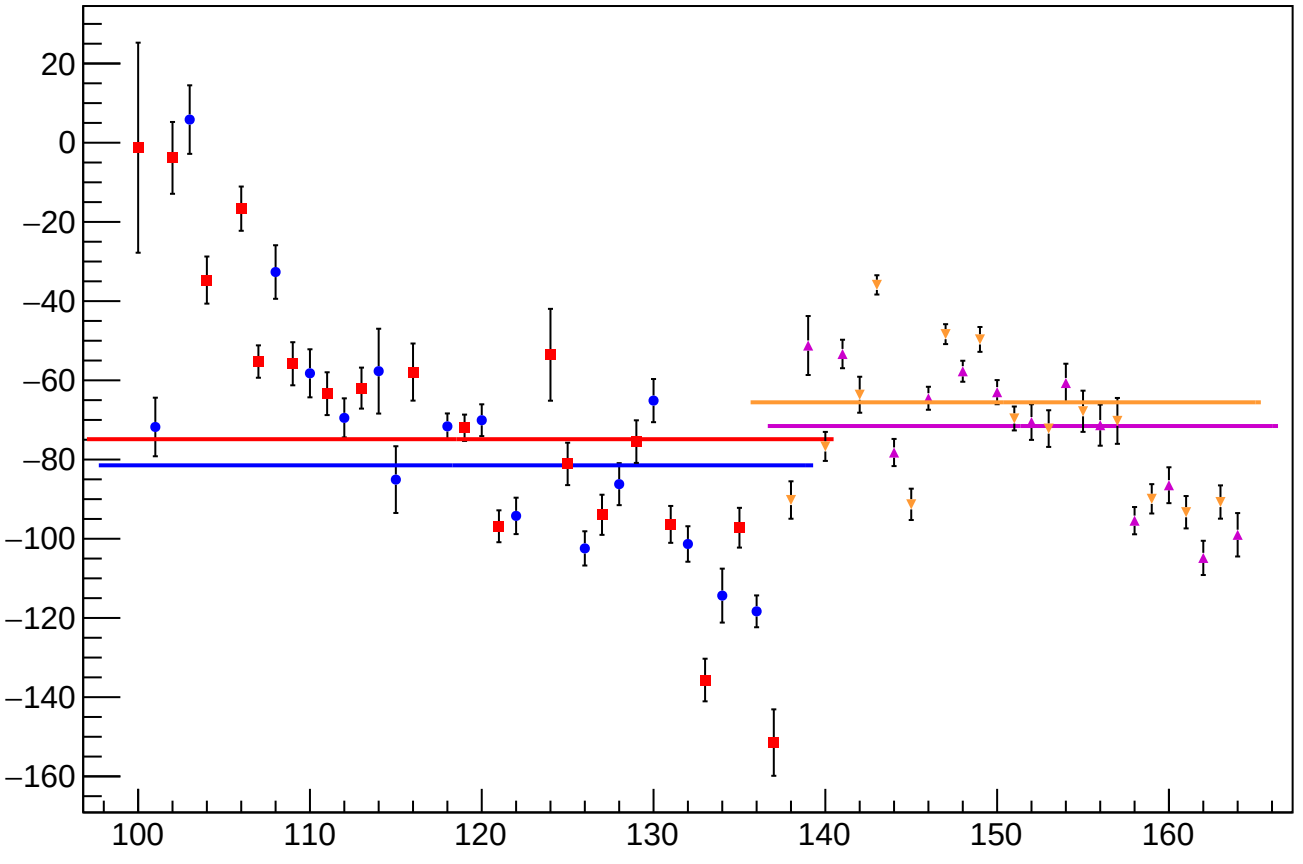
Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

\+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

\- sign 0.484+/-0.680 χ^2/NDF: 544.7/31


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.790+/-1.188 χ²/NDF:966.3/13
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -244.431+/-1.286 χ²/NDF:94.9/12
+ sign -232.309+/-0.860 χ²/NDF: 2191.7/29
All: -231.471+/-0.611 χ²/NDF: 5549.9/61
- sign -230.617+/-0.868 χ²/NDF: 3356.3/31



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

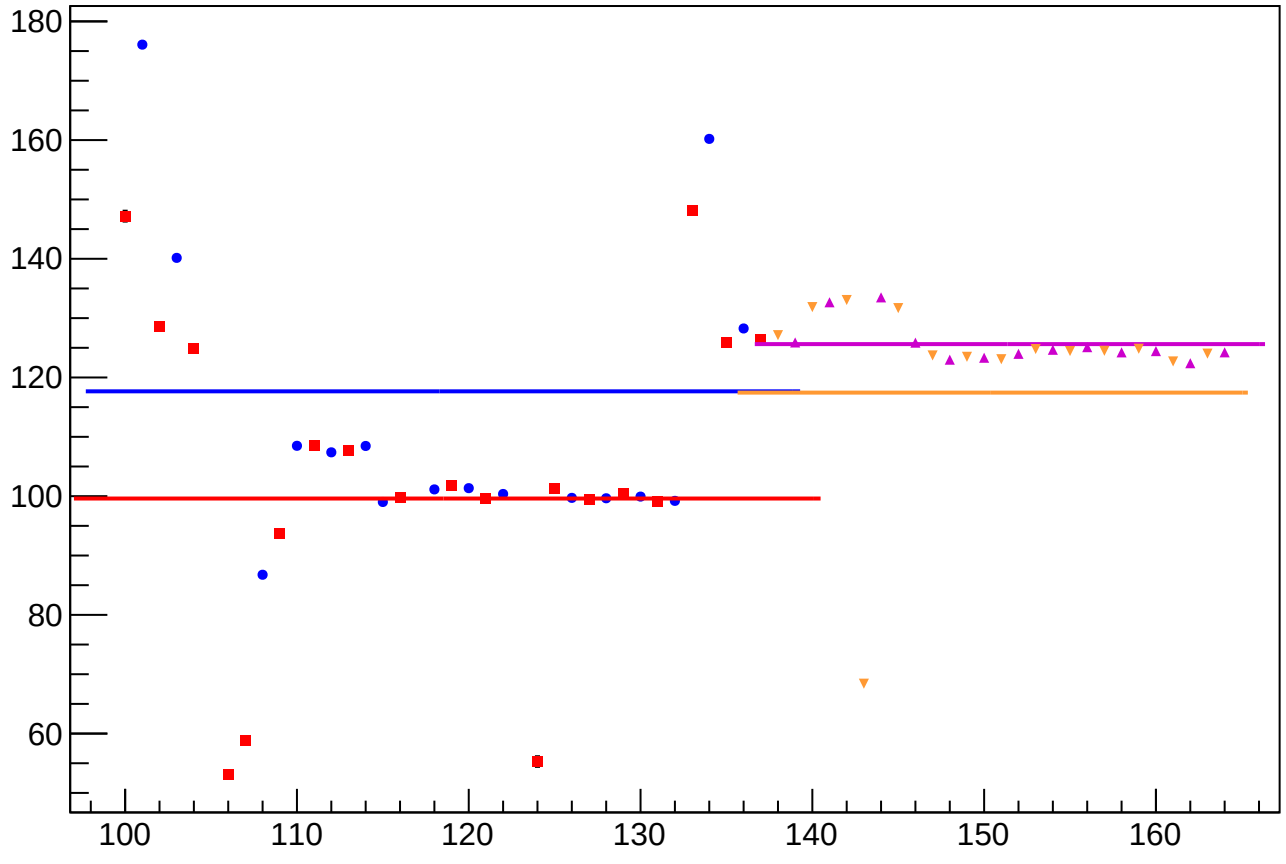
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -72.083+/-0.556 χ^2/NDF: 1703.3/61

- 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: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

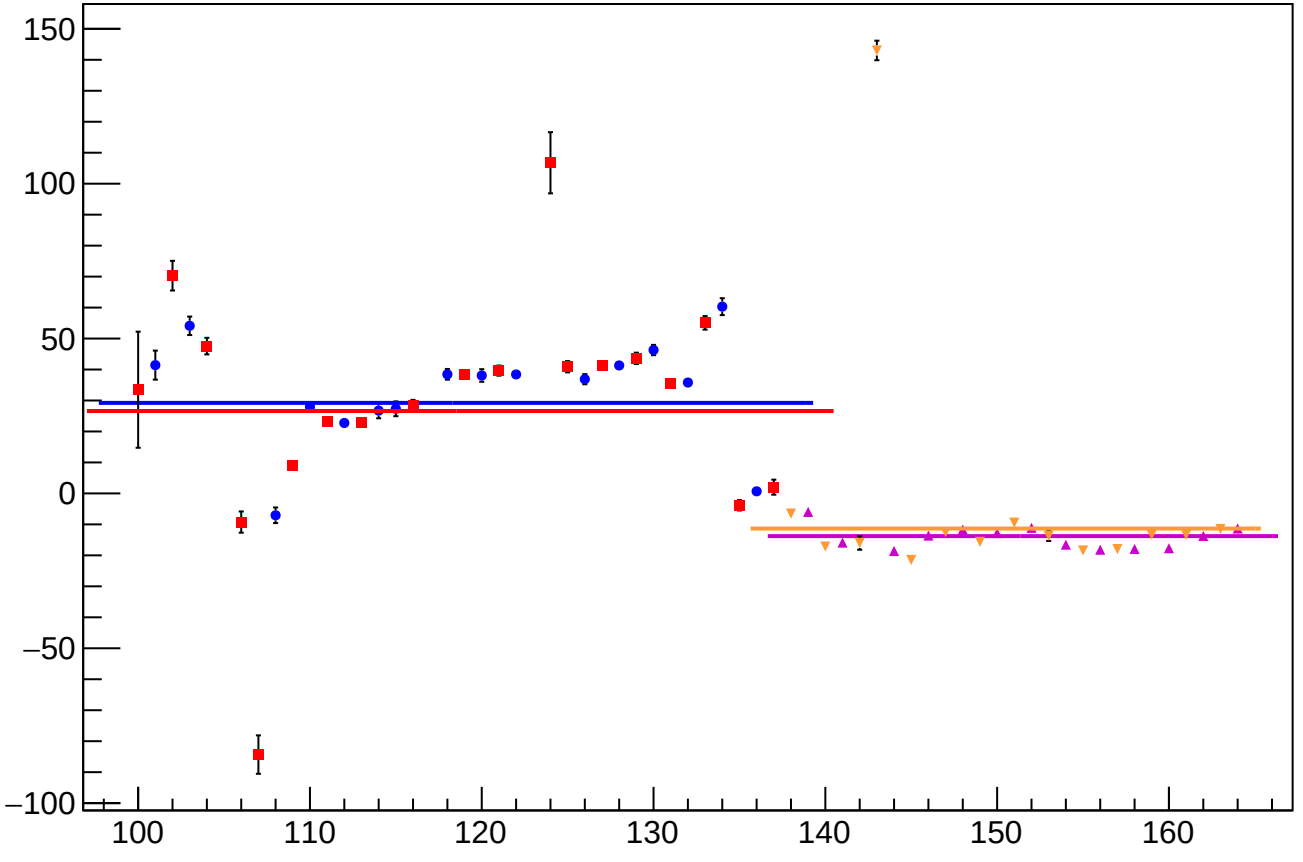
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61

- 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: -11.340+/-0.409 χ^2/NDF:2529.7/13

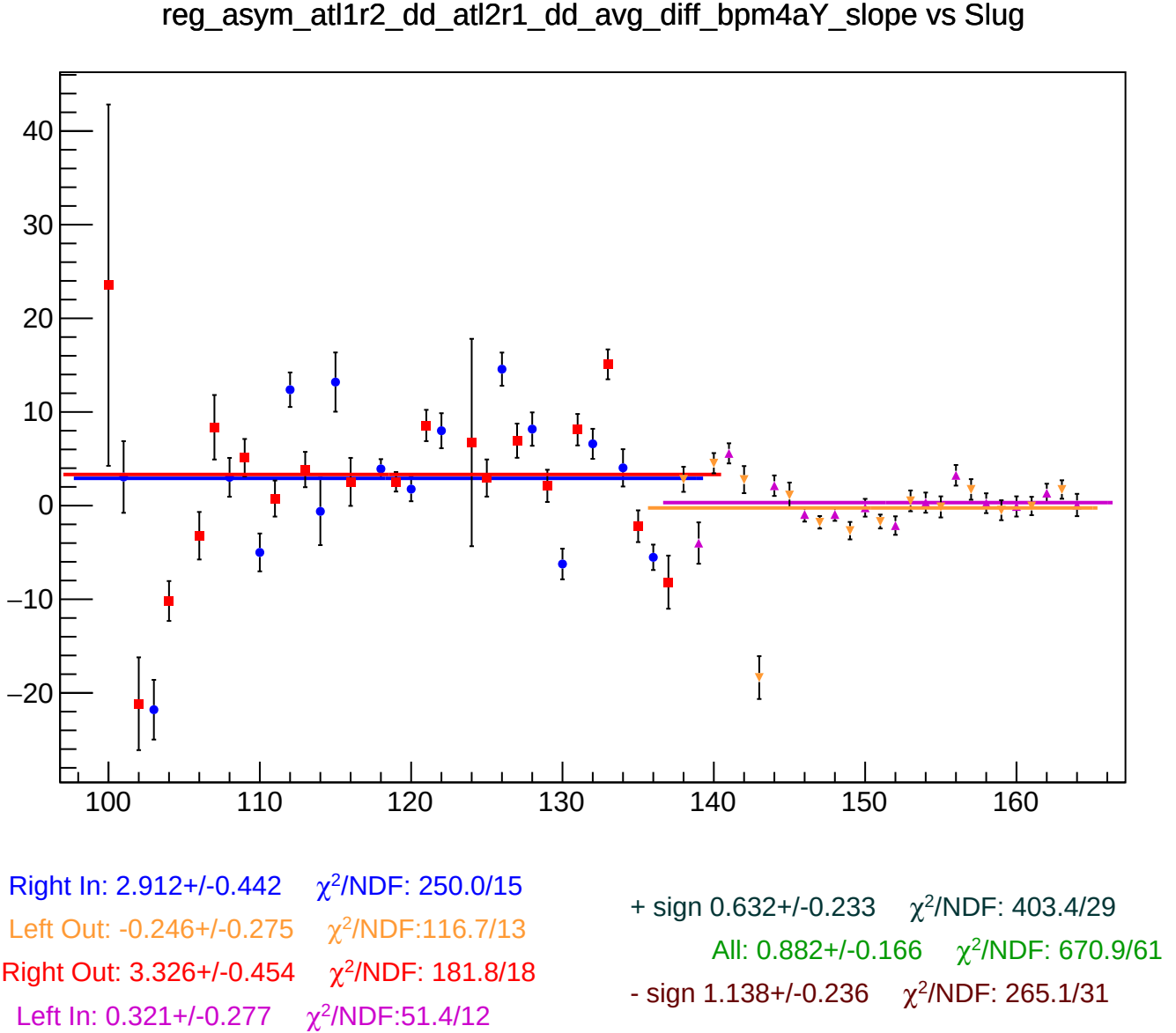
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

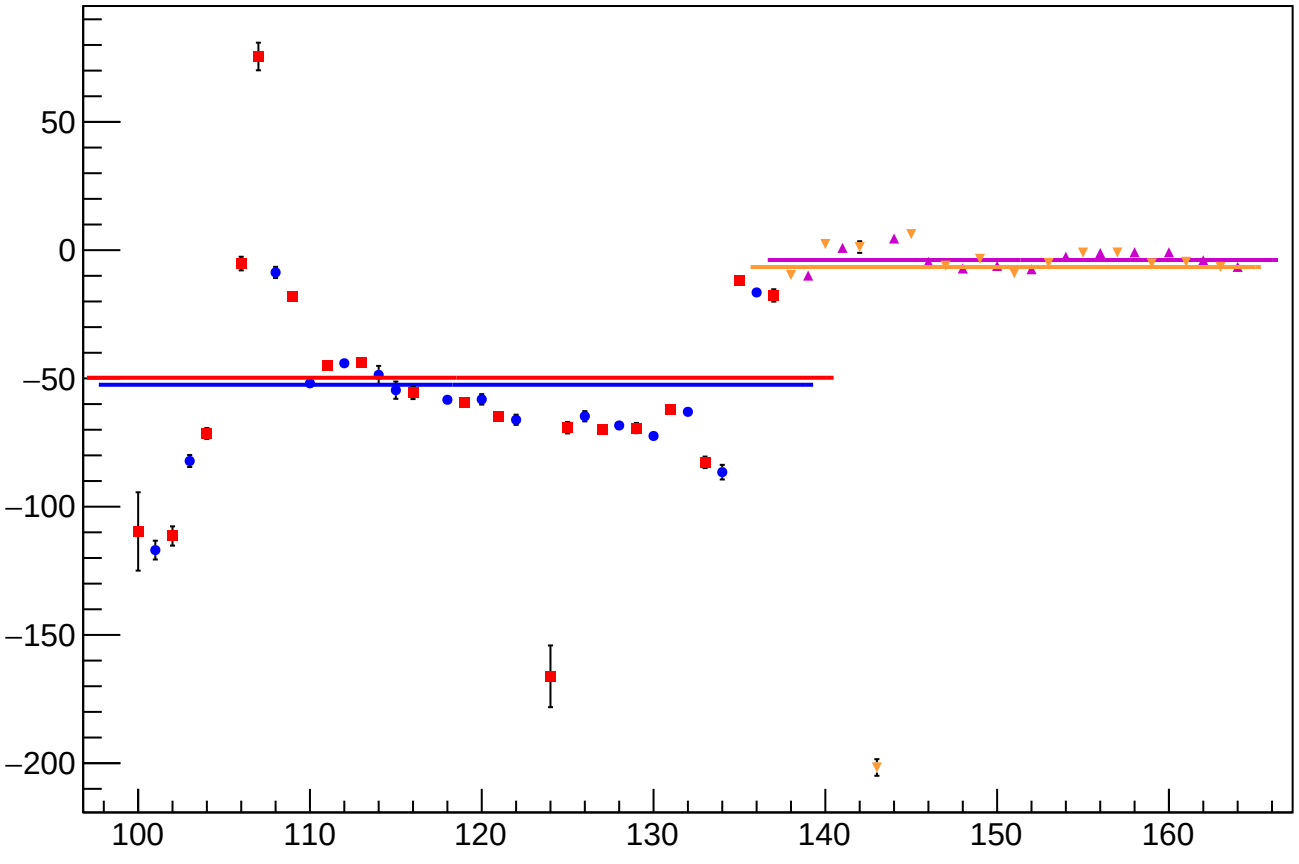
Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

+ sign 8.185+/-0.294 χ^2/NDF: 8615.3/29

All: 6.992+/-0.206 χ^2/NDF: 15544.8/61

- sign 5.845+/-0.289 χ^2/NDF: 6897.2/31


reg_asym_atl1r2_dd_atl2r1_dd_avg_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: -0.246+/-0.275 χ²/NDF:116.7/13
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.321+/-0.277 χ²/NDF:51.4/12
+ sign 0.632+/-0.233 χ²/NDF: 403.4/29
All: 0.882+/-0.166 χ²/NDF: 670.9/61
- sign 1.138+/-0.236 χ²/NDF: 265.1/31



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

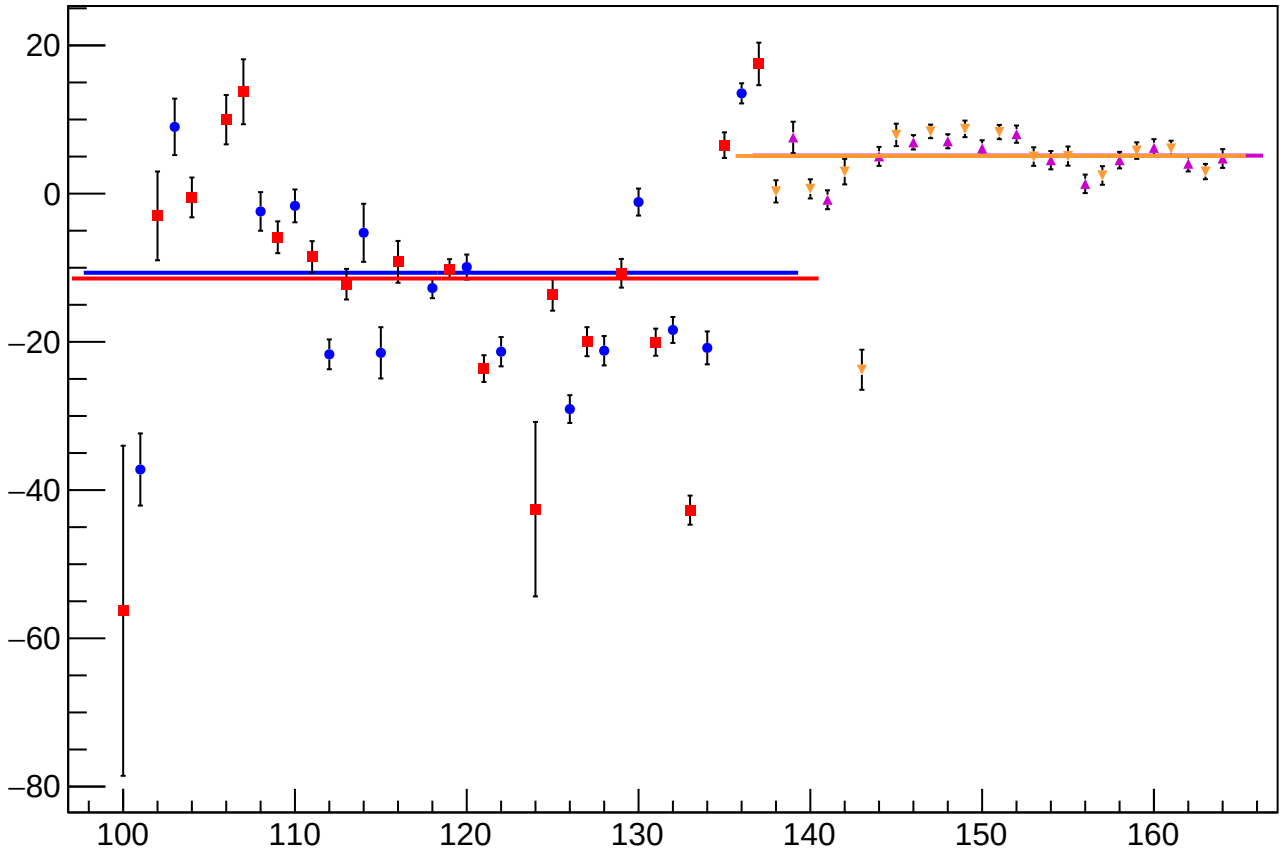
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

+ sign -24.749+/-0.307 χ^2/NDF: 11463.4/29

All: -23.042+/-0.216 χ^2/NDF: 19966.0/61

- 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: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

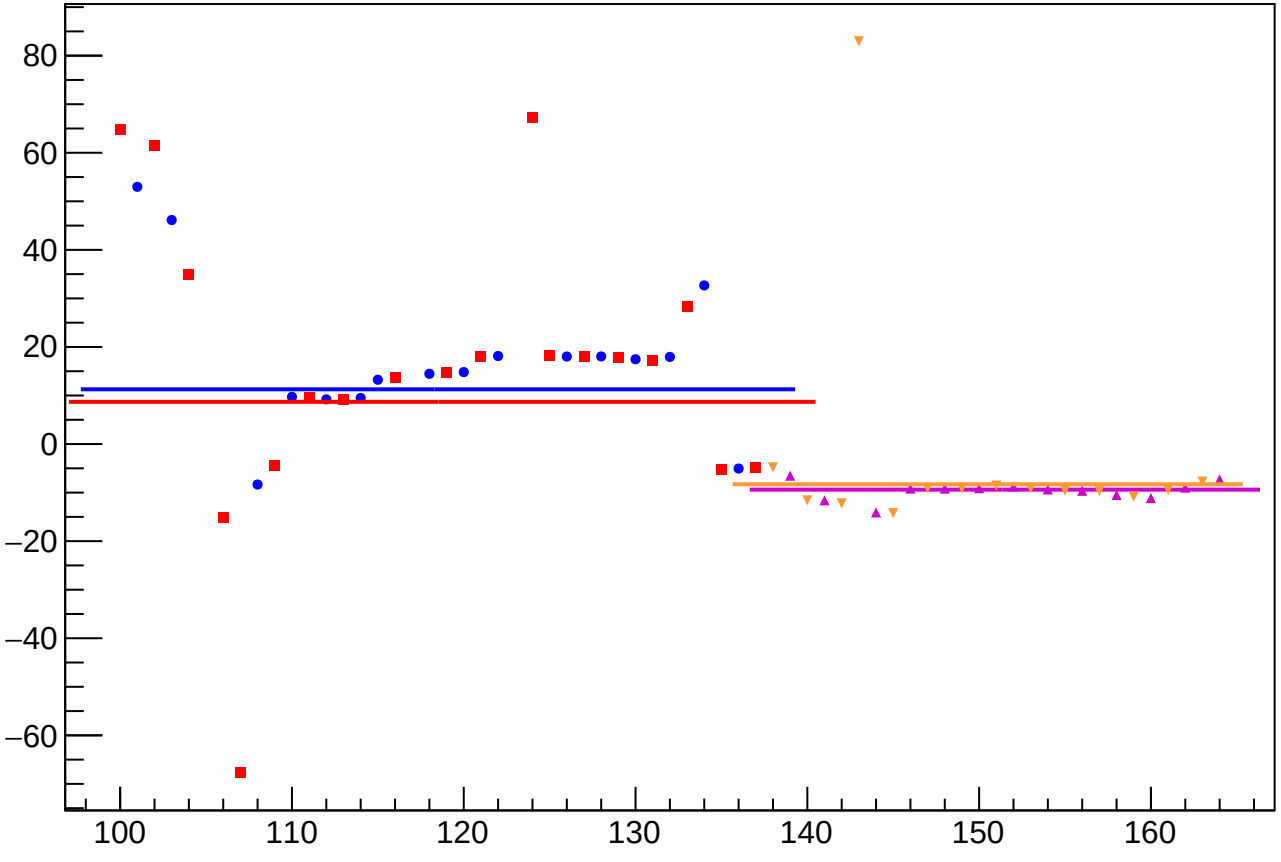
Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

\+ sign 0.505+/-0.272 χ^2/NDF: 1541.7/29

All: 0.480+/-0.193 χ^2/NDF: 2998.1/61

\- sign 0.454+/-0.274 χ^2/NDF: 1456.4/31

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

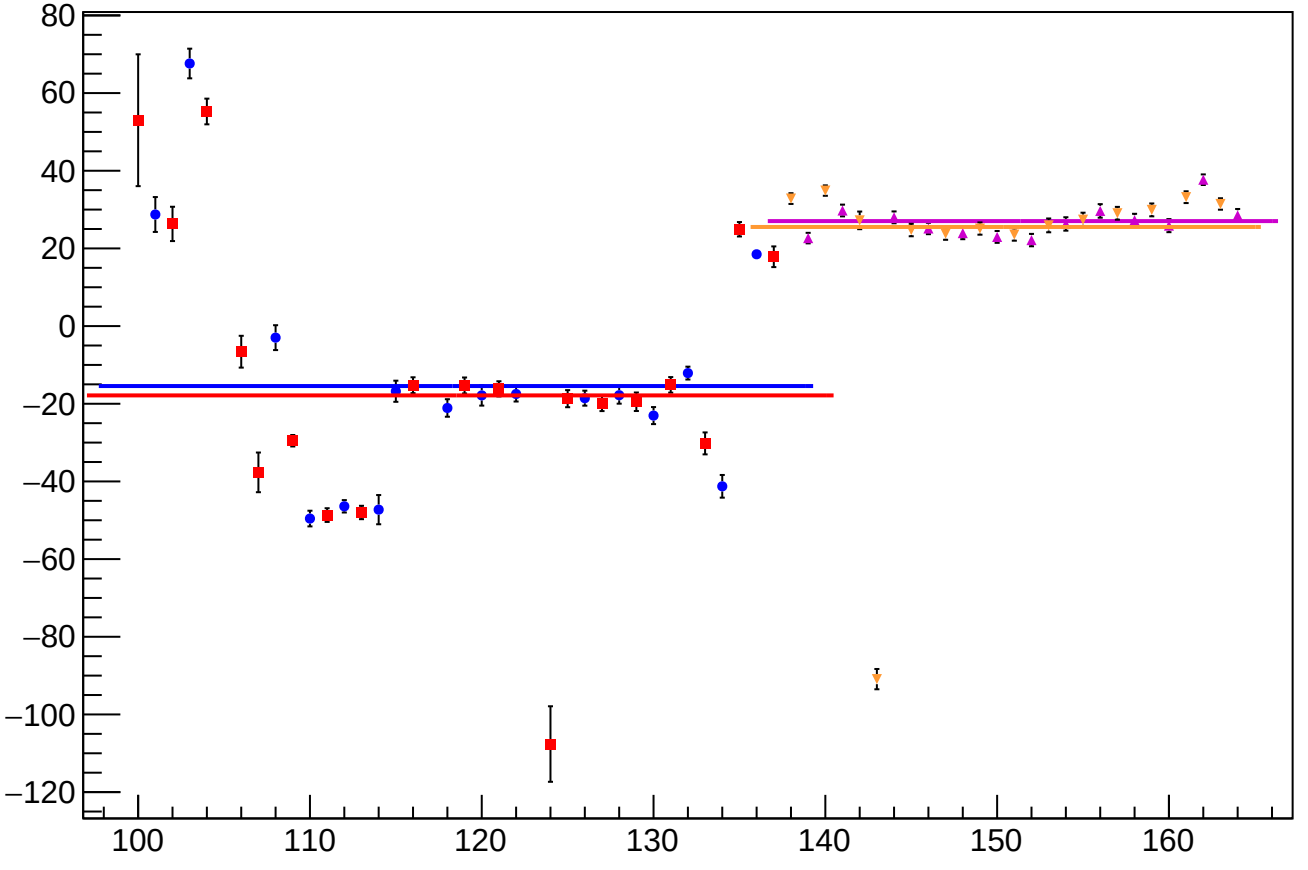
Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

+ sign -4.415+/-0.013 χ^2/NDF: 1172455.9/29

All: -5.318+/-0.009 χ^2/NDF: 1903936.9/61

- sign -6.204+/-0.013 χ^2/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: 25.523+/-0.436 χ^2/NDF:2121.2/13

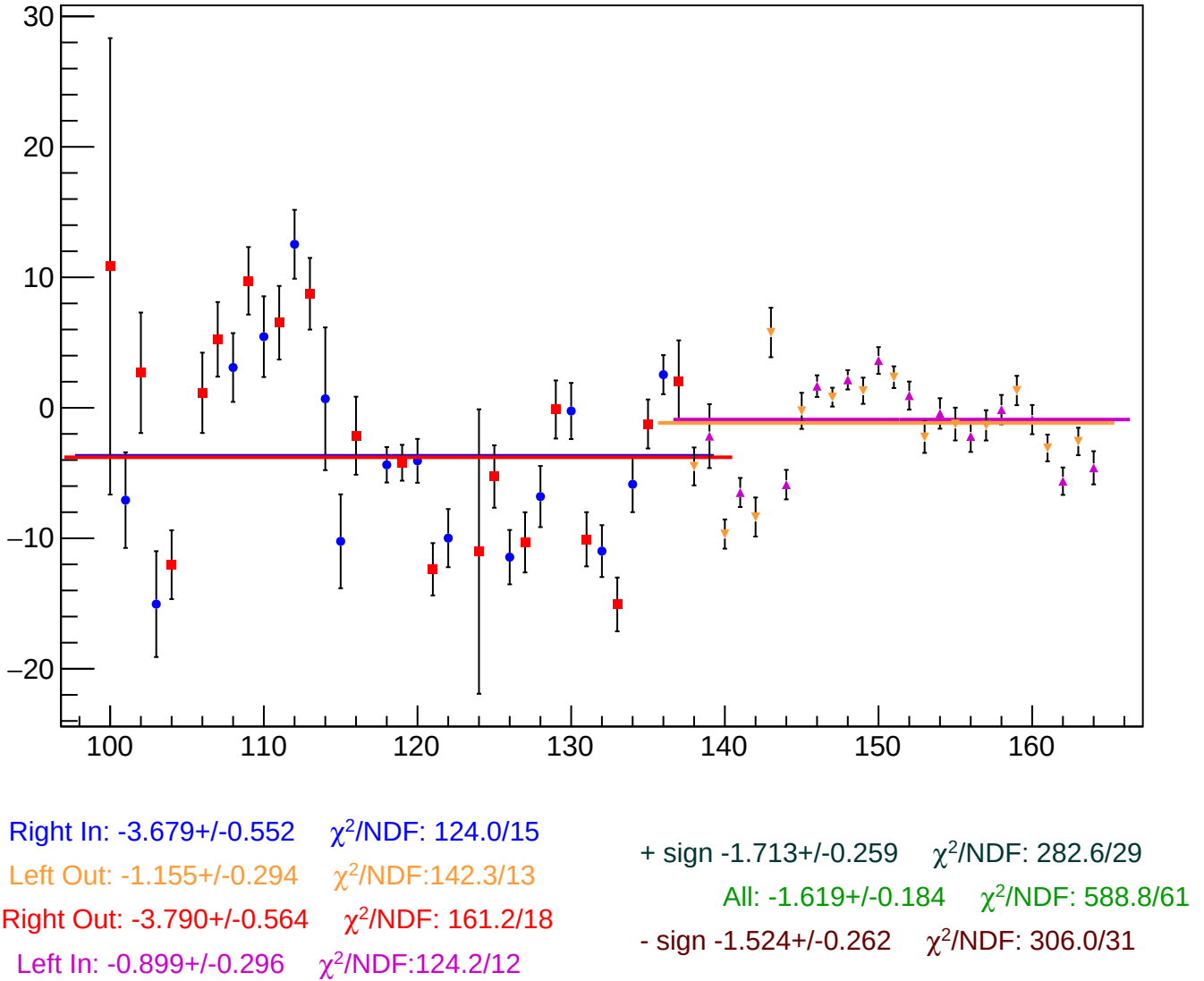
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

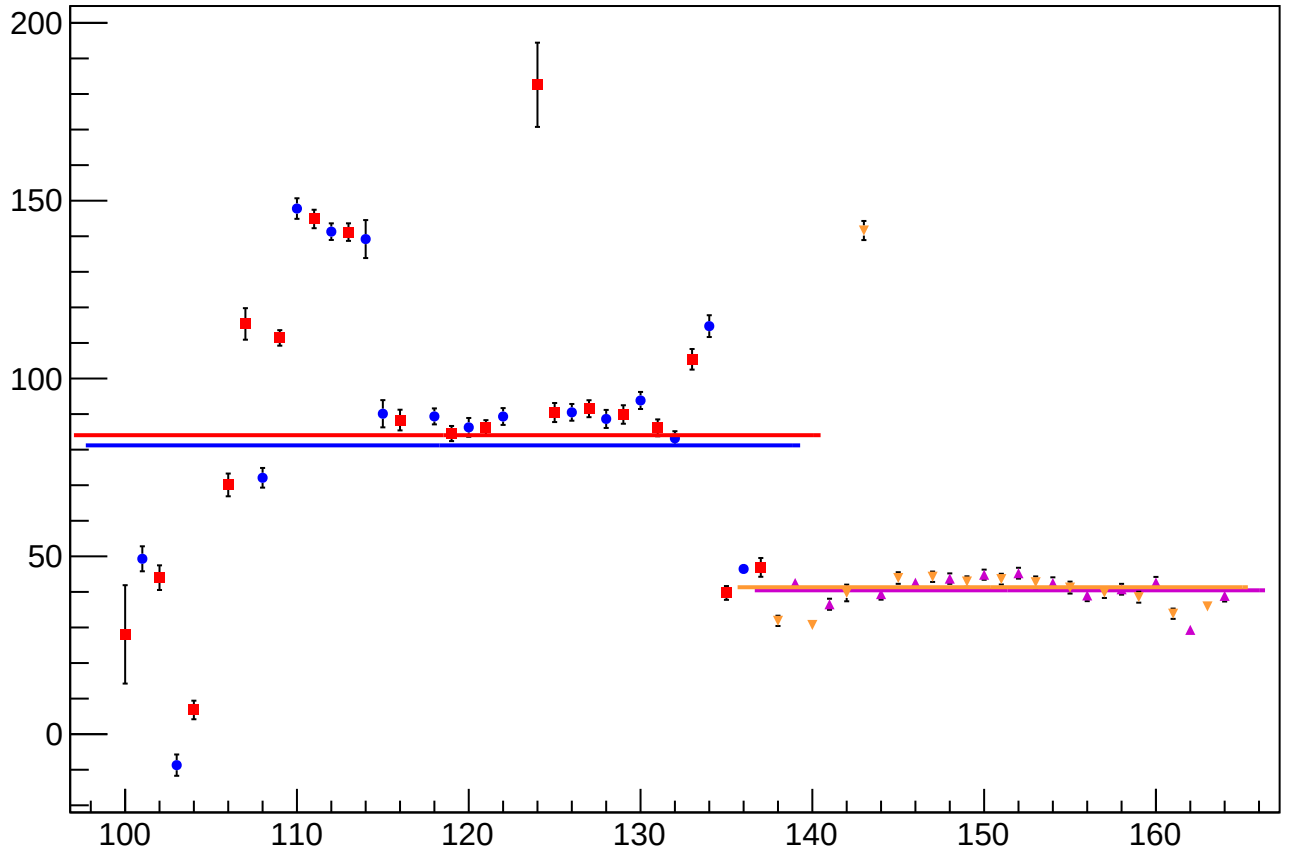
Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

+ sign 9.342+/-0.339 χ^2/NDF: 7738.6/29

All: 9.253+/-0.238 χ^2/NDF: 14287.5/61

- 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: -1.155+/-0.294 χ²/NDF:142.3/13
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.899+/-0.296 χ²/NDF:124.2/12
+ sign -1.713+/-0.259 χ²/NDF: 282.6/29
All: -1.619+/-0.184 χ²/NDF: 588.8/61
- sign -1.524+/-0.262 χ²/NDF: 306.0/31



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

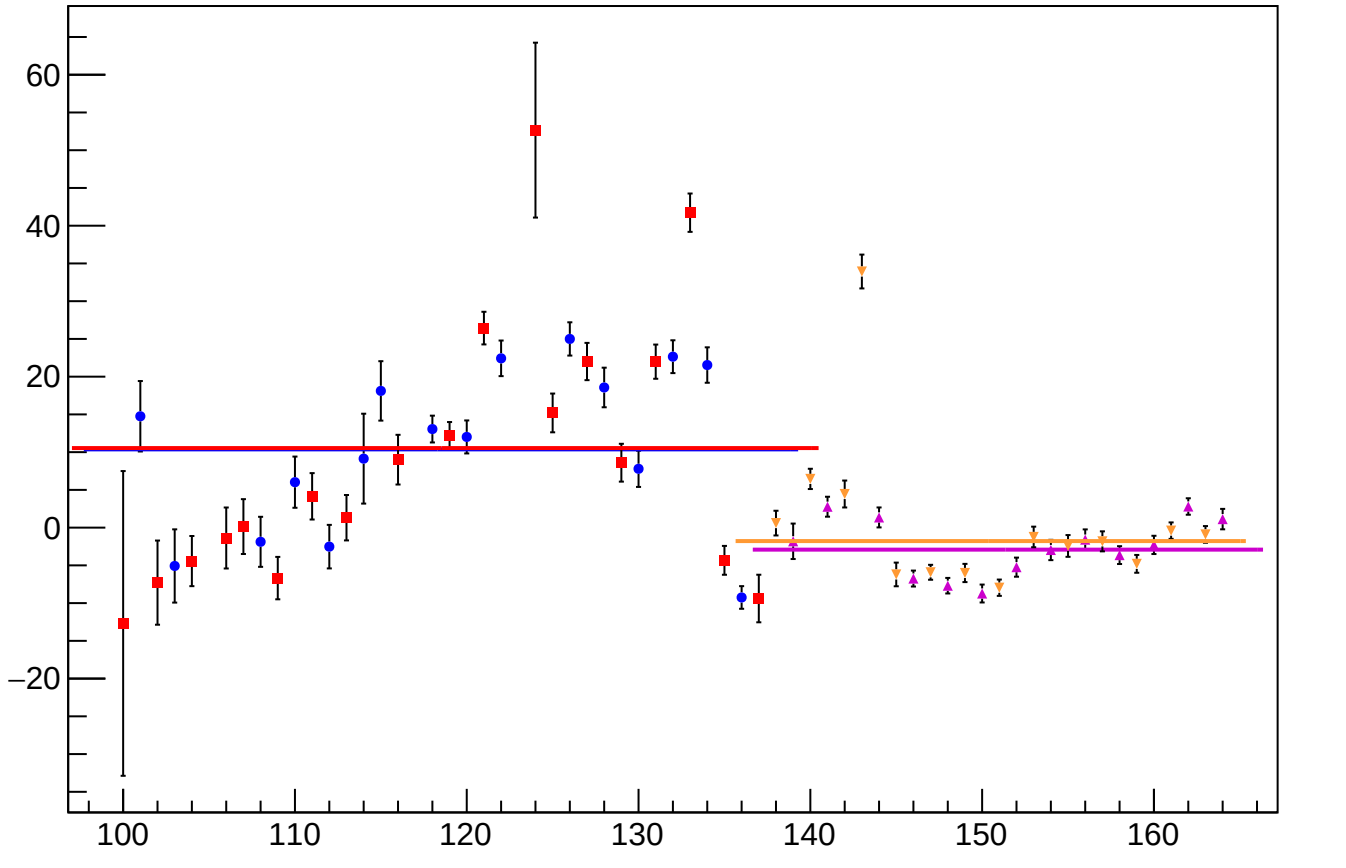
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

\+ sign 54.287+/-0.346 χ^2/NDF: 7696.1/29

All: 54.179+/-0.244 χ^2/NDF: 14460.2/61

\- 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: -1.782+/-0.345 χ^2/NDF:385.5/13

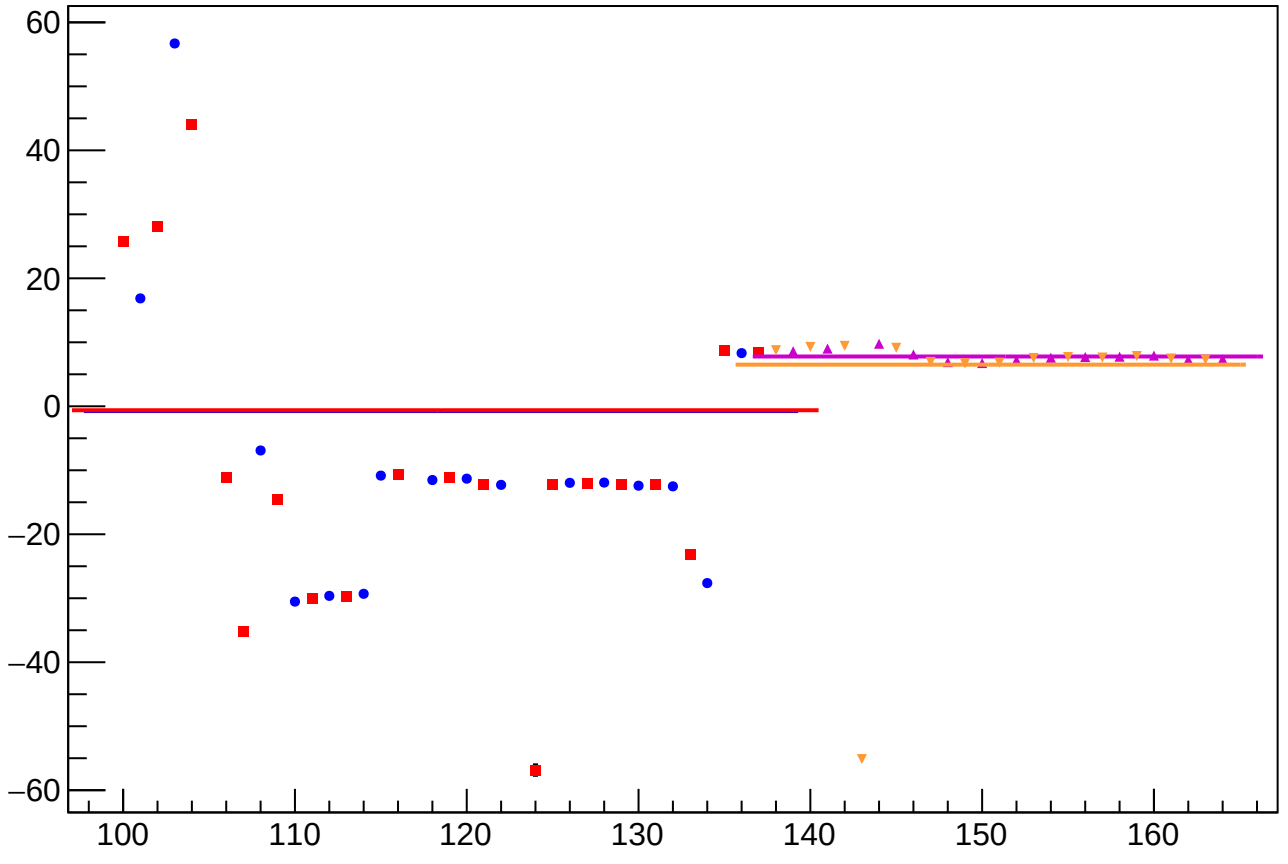
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.916+/-0.345 χ^2/NDF:129.2/12

\+ sign 1.049+/-0.302 χ^2/NDF: 1033.7/29

All: 0.585+/-0.214 χ^2/NDF: 1980.4/61

\- 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: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

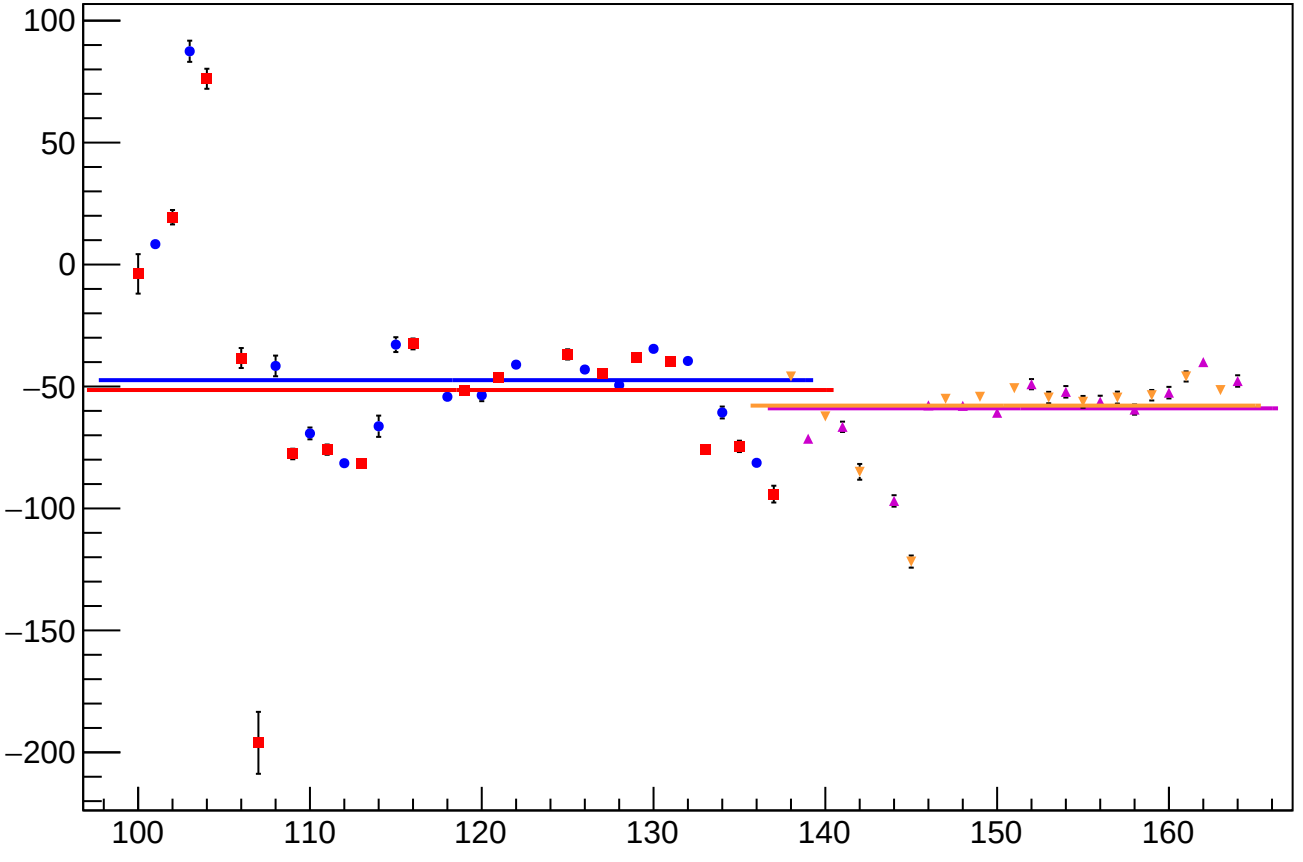
Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

+ sign 5.321+/-0.015 χ^2/NDF: 715280.8/29

All: 5.936+/-0.010 χ^2/NDF: 1080734.7/61

- 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: -57.835+/-0.587 χ^2/NDF:849.8/12

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

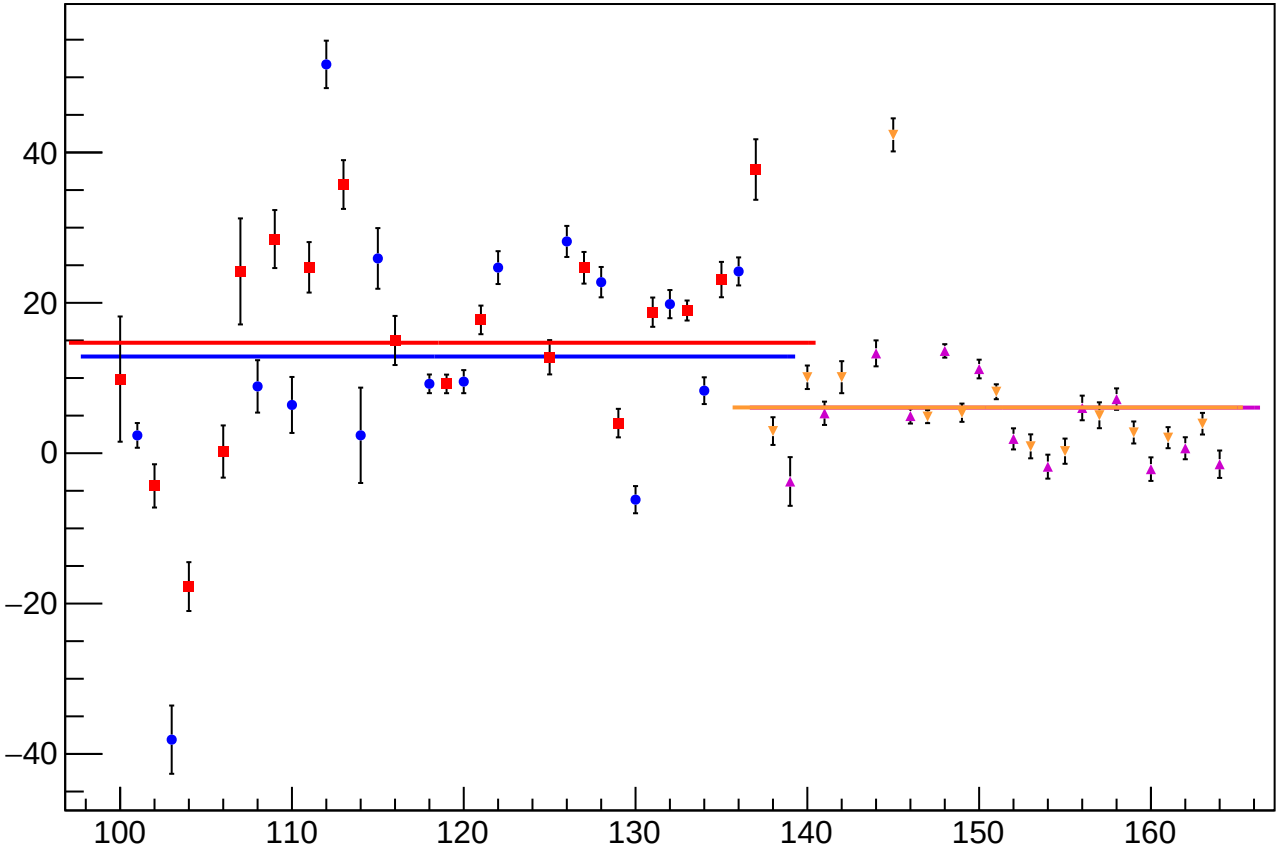
Left In: -58.954+/-0.574 χ^2/NDF:486.5/12

\+ sign -52.134+/-0.395 χ^2/NDF: 3791.4/28

All: -53.572+/-0.280 χ^2/NDF: 7267.1/59

\- sign -55.007+/-0.395 χ^2/NDF: 3449.3/30

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.086+/-0.386 χ^2/NDF:330.2/12

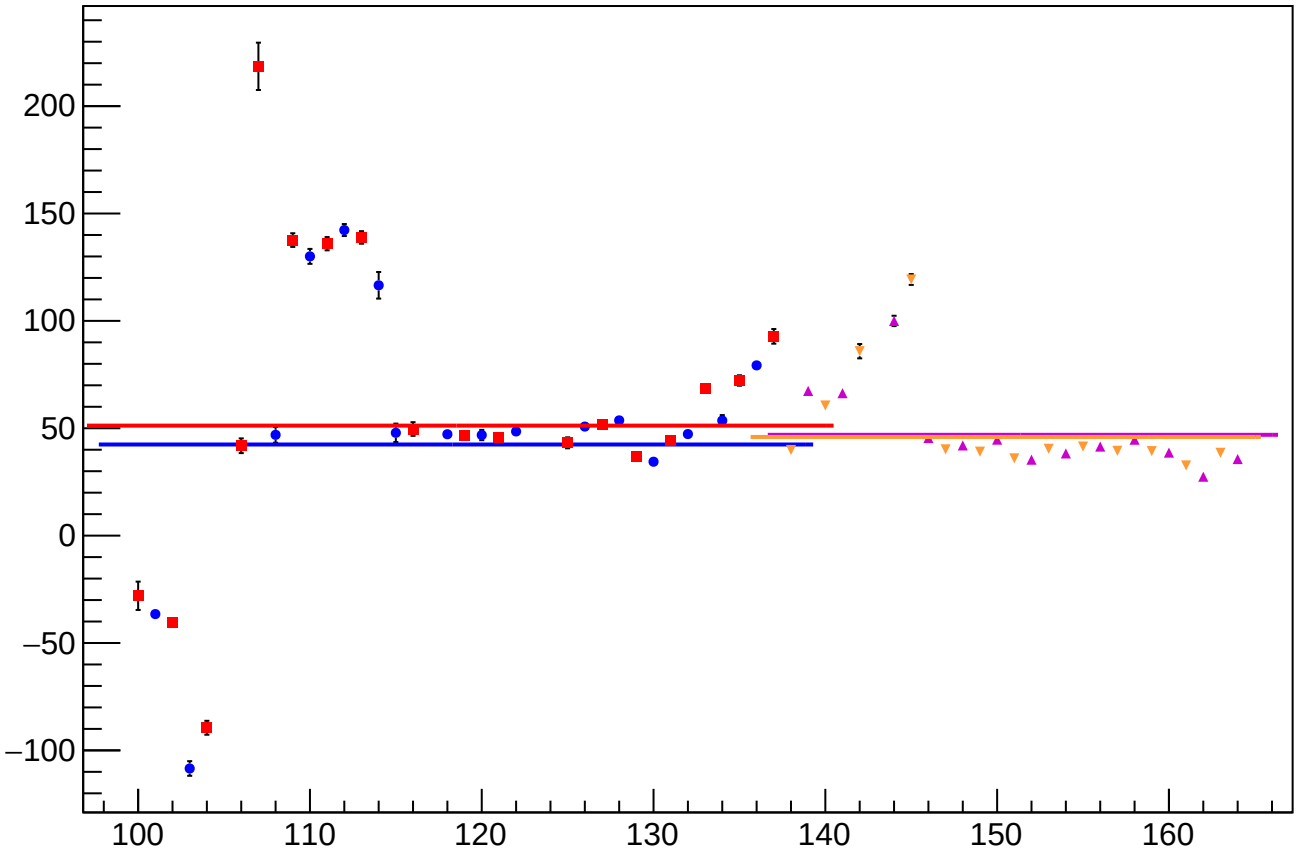
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.063+/-0.387 χ^2/NDF:207.7/12

+ sign 8.501+/-0.310 χ^2/NDF: 1065.4/28

All: 8.727+/-0.221 χ^2/NDF: 1805.2/59

- sign 8.962+/-0.315 χ^2/NDF: 738.7/30



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.948+/-0.566 χ^2/NDF:1204.2/12

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

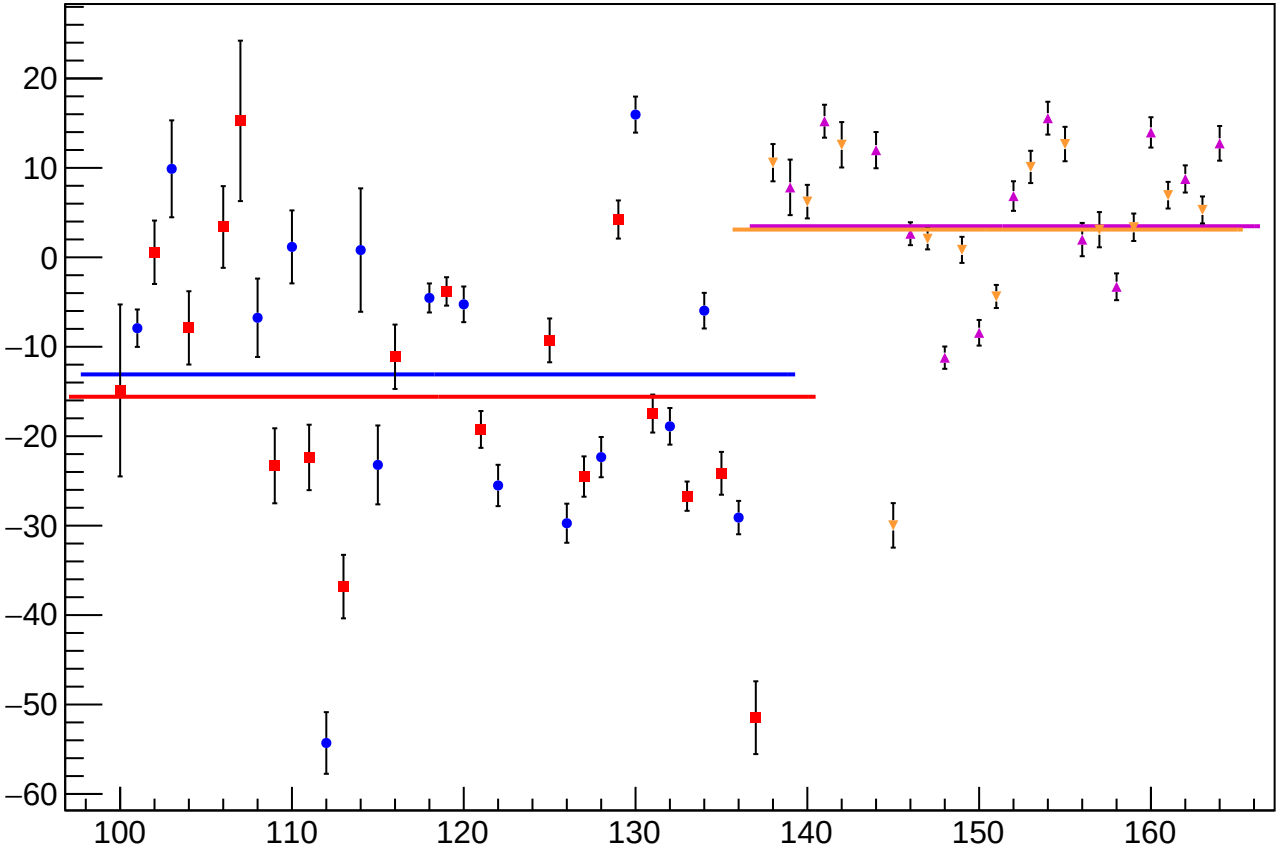
Left In: 46.947+/-0.552 χ^2/NDF:900.6/12

\+ sign 44.250+/-0.406 χ^2/NDF: 8391.7/28

All: 46.529+/-0.289 χ^2/NDF: 15994.0/59

\- 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: 3.103+/-0.458 χ^2/NDF:291.4/12

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

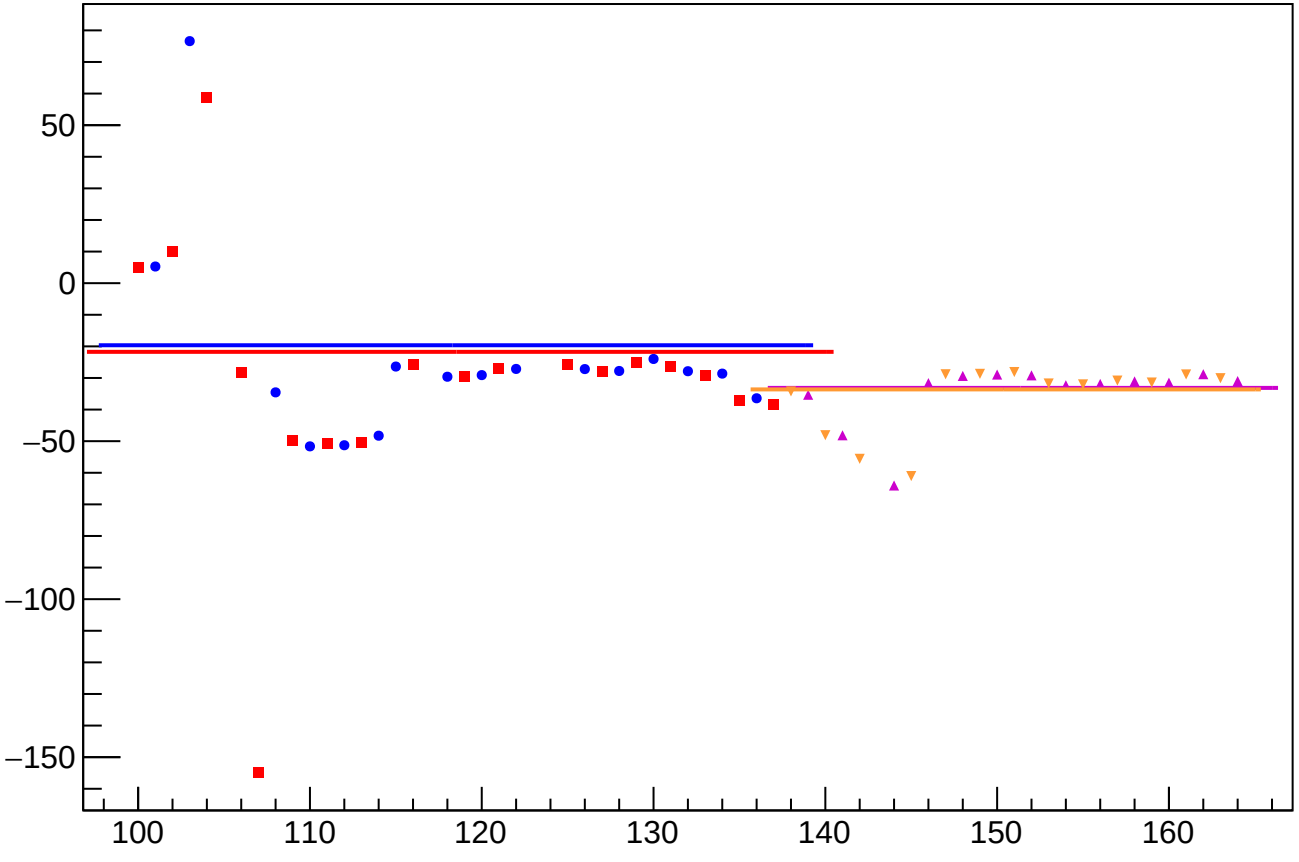
Left In: 3.478+/-0.455 χ^2/NDF:410.2/12

\+ sign -2.864+/-0.364 χ^2/NDF: 1391.7/28

All: -2.984+/-0.259 χ^2/NDF: 2809.7/59

\- 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: -33.619+/-0.021 χ^2/NDF:155620.0/12

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

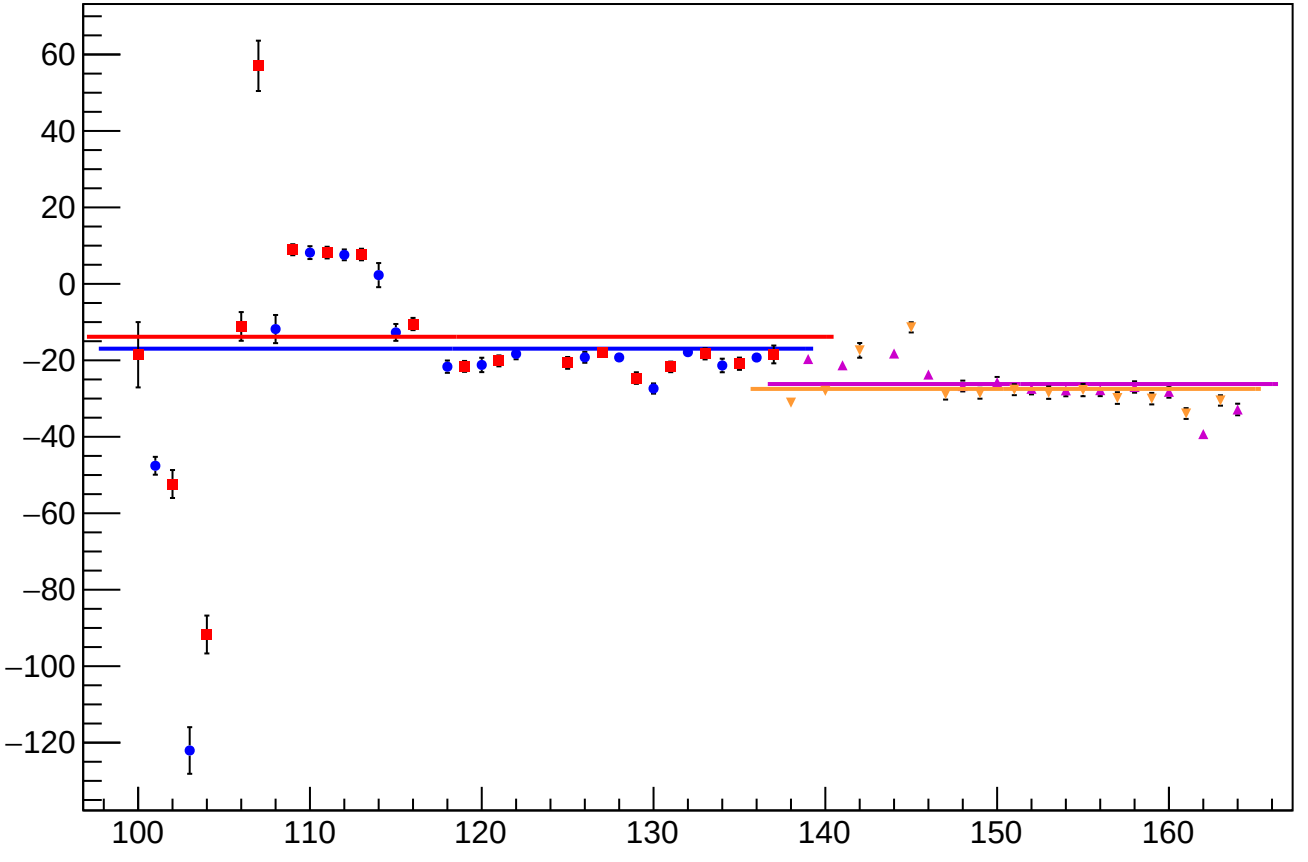
Left In: -33.140+/-0.021 χ^2/NDF:127457.5/12

\+ sign -29.981+/-0.018 χ^2/NDF: 913320.3/28

All: -30.301+/-0.013 χ^2/NDF: 1655080.7/59

\- 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: -27.475+/-0.394 χ^2/NDF:214.9/12

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

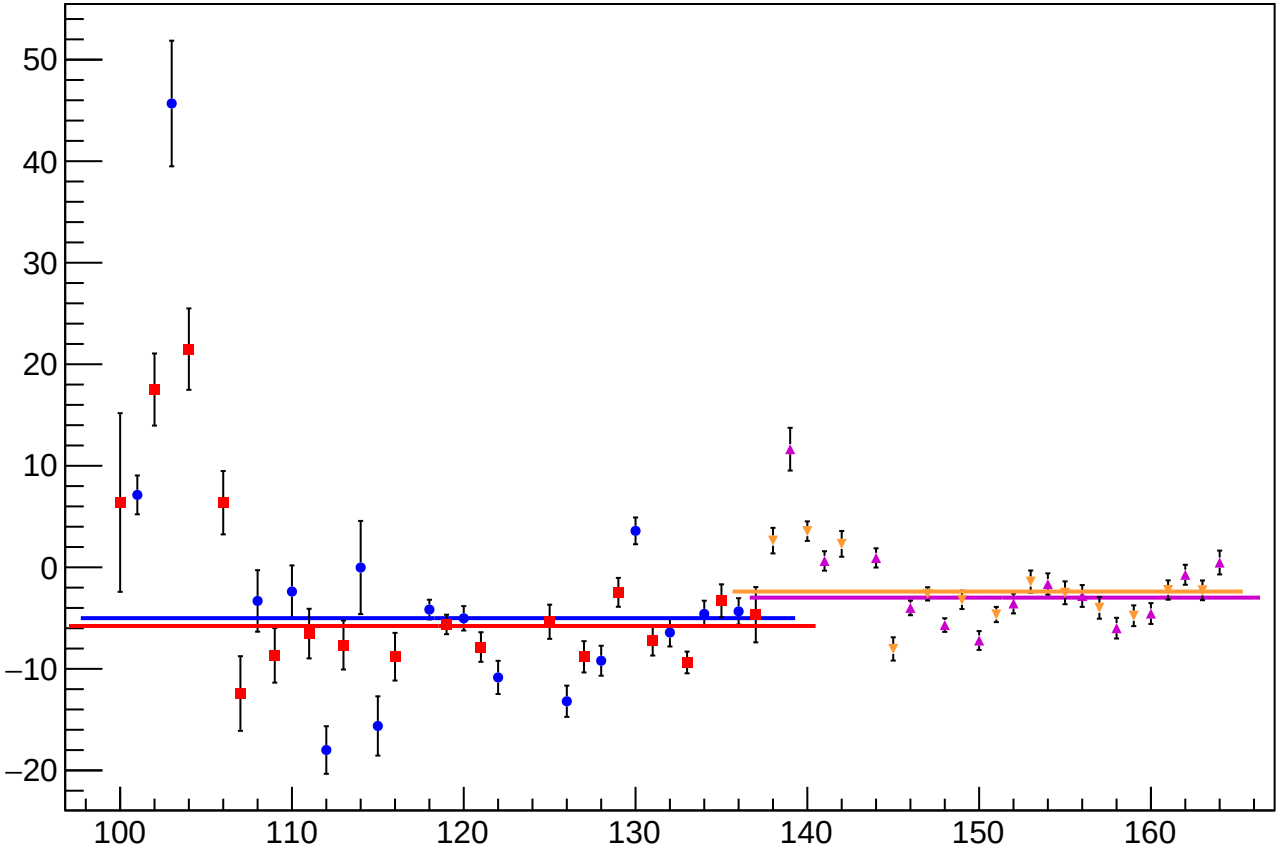
Left In: -26.197+/-0.384 χ^2/NDF:218.6/12

+ sign -22.348+/-0.282 χ^2/NDF: 1691.5/28

All: -21.370+/-0.199 χ^2/NDF: 3751.9/59

- 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: -2.386+/-0.267 χ^2/NDF:110.8/12

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

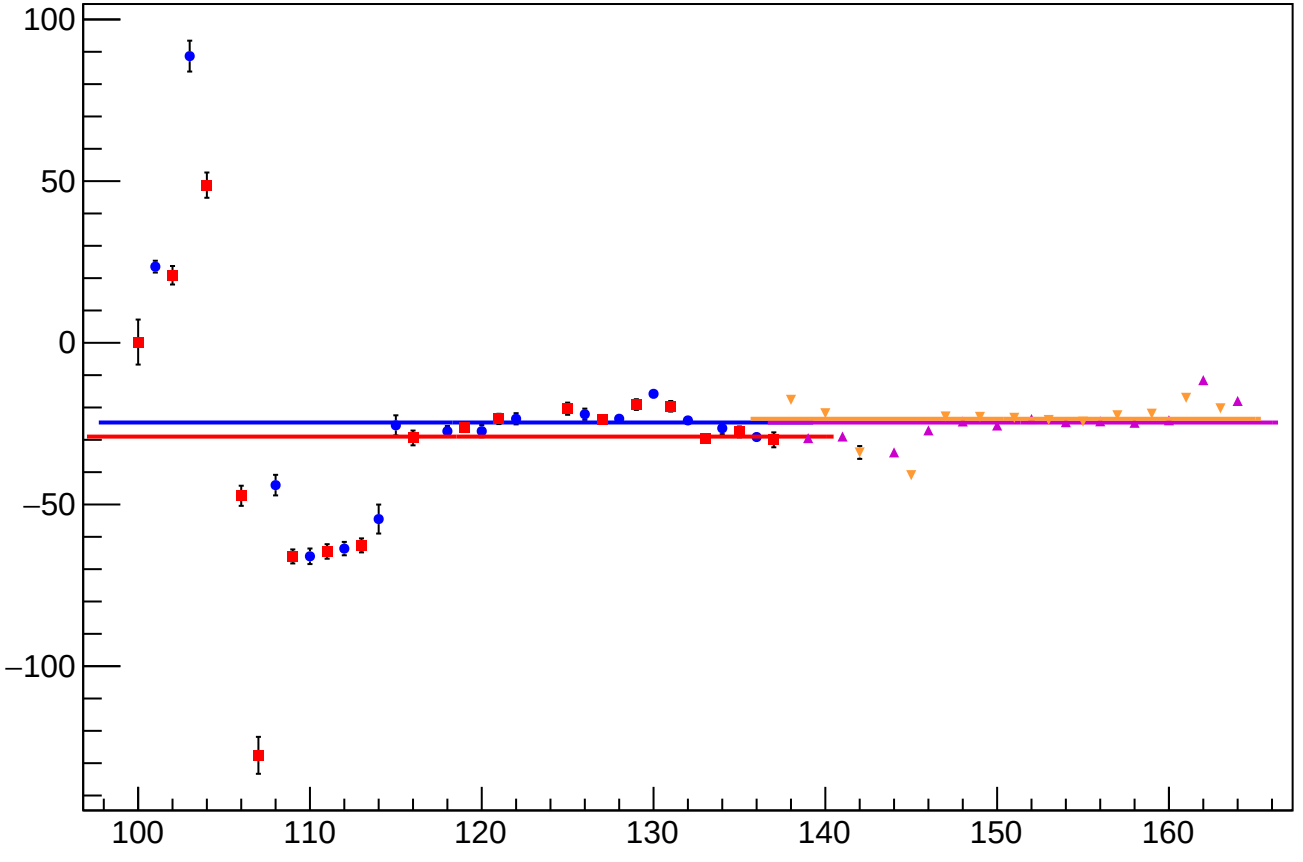
Left In: -2.984+/-0.265 χ^2/NDF:145.4/12

+ sign -3.188+/-0.222 χ^2/NDF: 388.2/28

All: -3.483+/-0.158 χ^2/NDF: 708.2/59

- 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: -23.483+/-0.381 χ^2/NDF:247.6/12

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

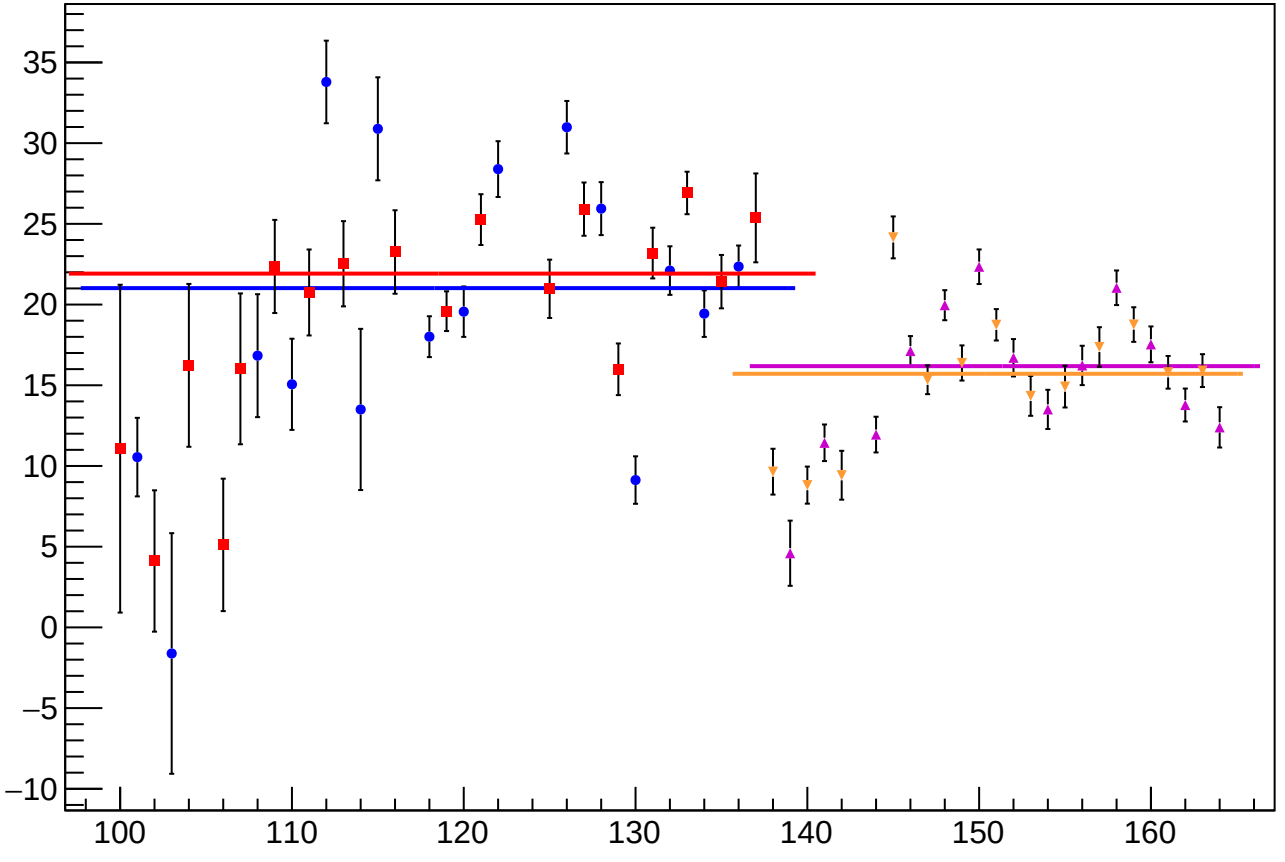
Left In: -24.656+/-0.371 χ^2/NDF:215.9/12

+ sign -23.961+/-0.292 χ^2/NDF: 2303.3/28

All: -25.131+/-0.207 χ^2/NDF: 4555.5/59

- 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: 15.711+/-0.314 χ^2/NDF:135.8/12

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

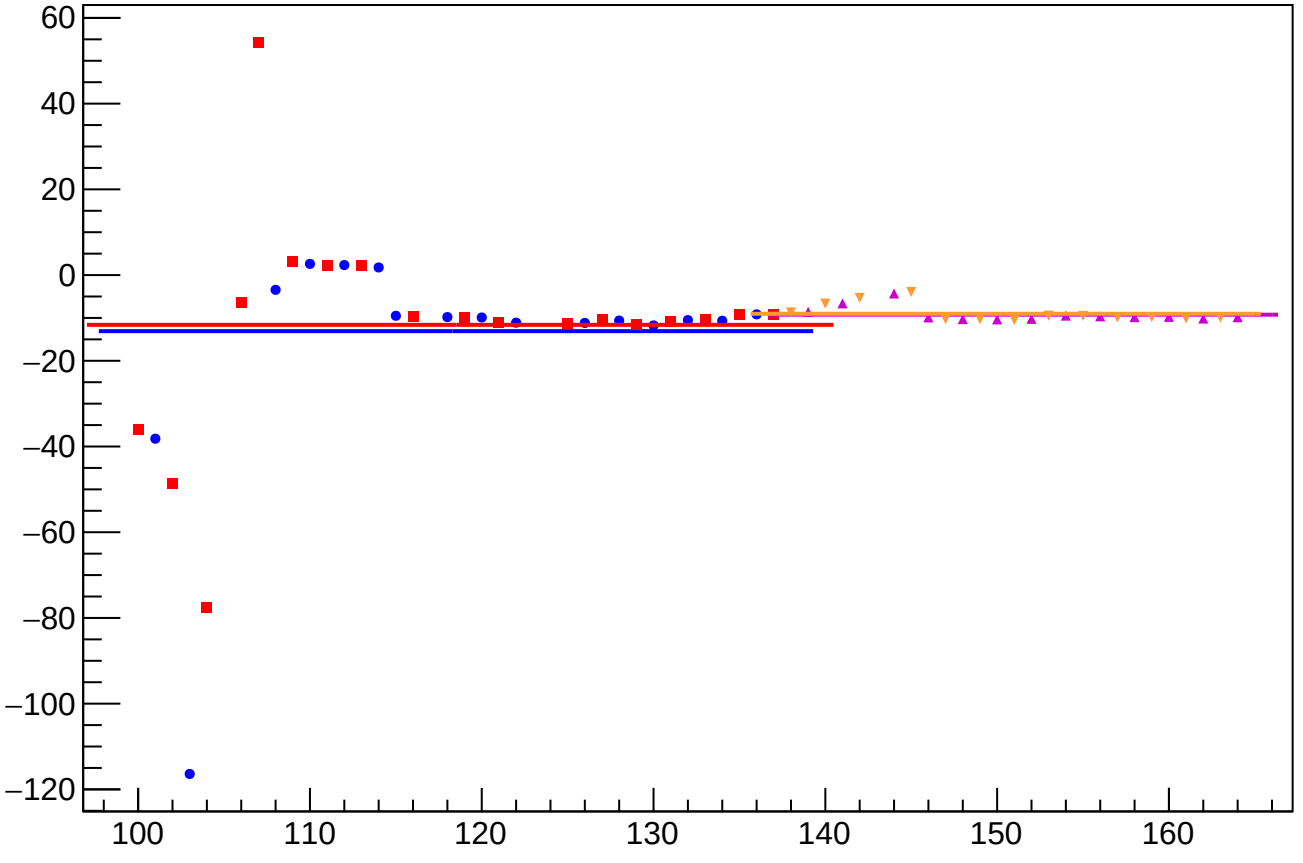
Left In: 16.185+/-0.310 χ^2/NDF:157.5/12

+ sign 17.404+/-0.259 χ^2/NDF: 436.8/28

All: 17.640+/-0.183 χ^2/NDF: 779.7/59

- 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: -9.028+/-0.014 χ^2/NDF:16534.7/12

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

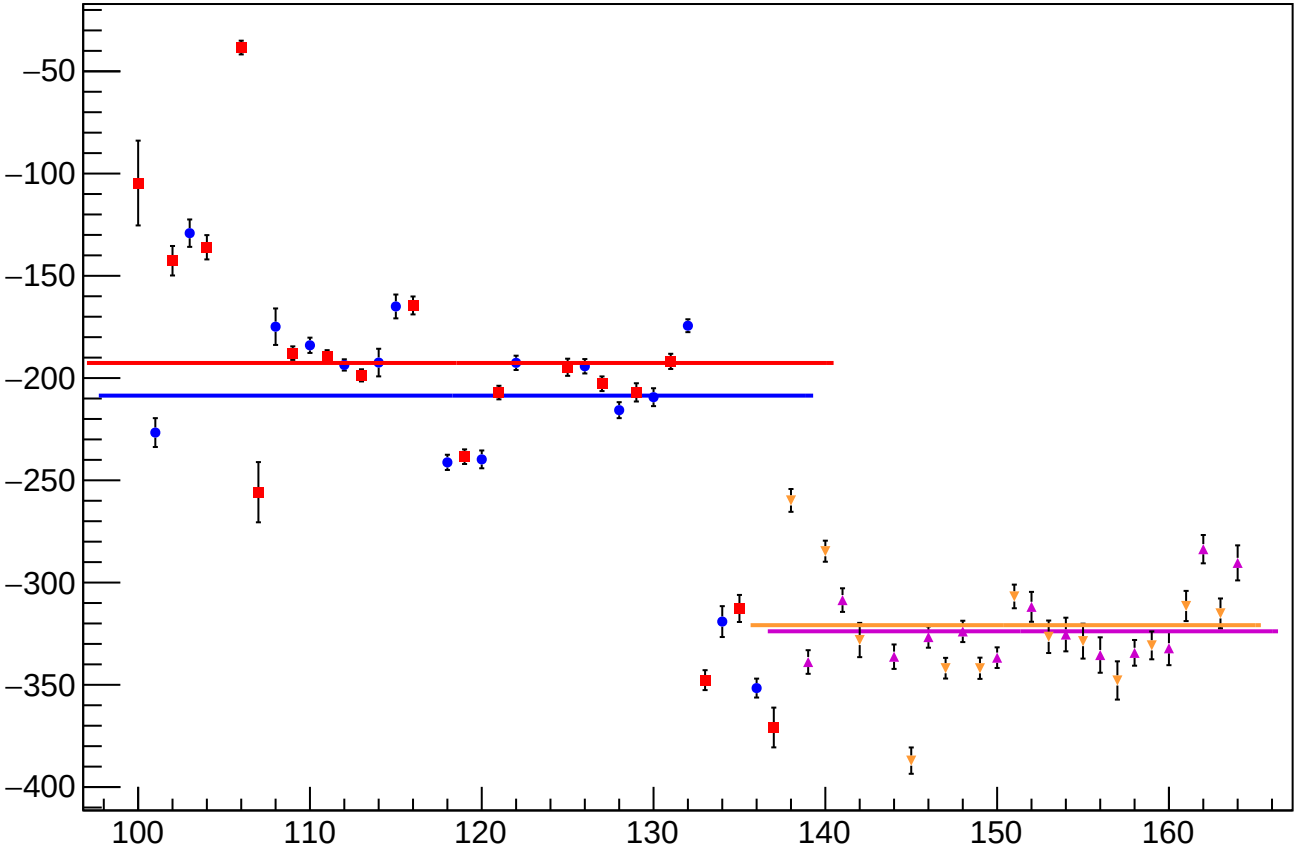
Left In: -9.243+/-0.014 χ^2/NDF:11834.8/12

+ sign -9.857+/-0.013 χ^2/NDF: 377713.0/28

All: -9.749+/-0.009 χ^2/NDF: 708747.2/59

- 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: -320.832+/-1.785 χ^2/NDF:329.0/12

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

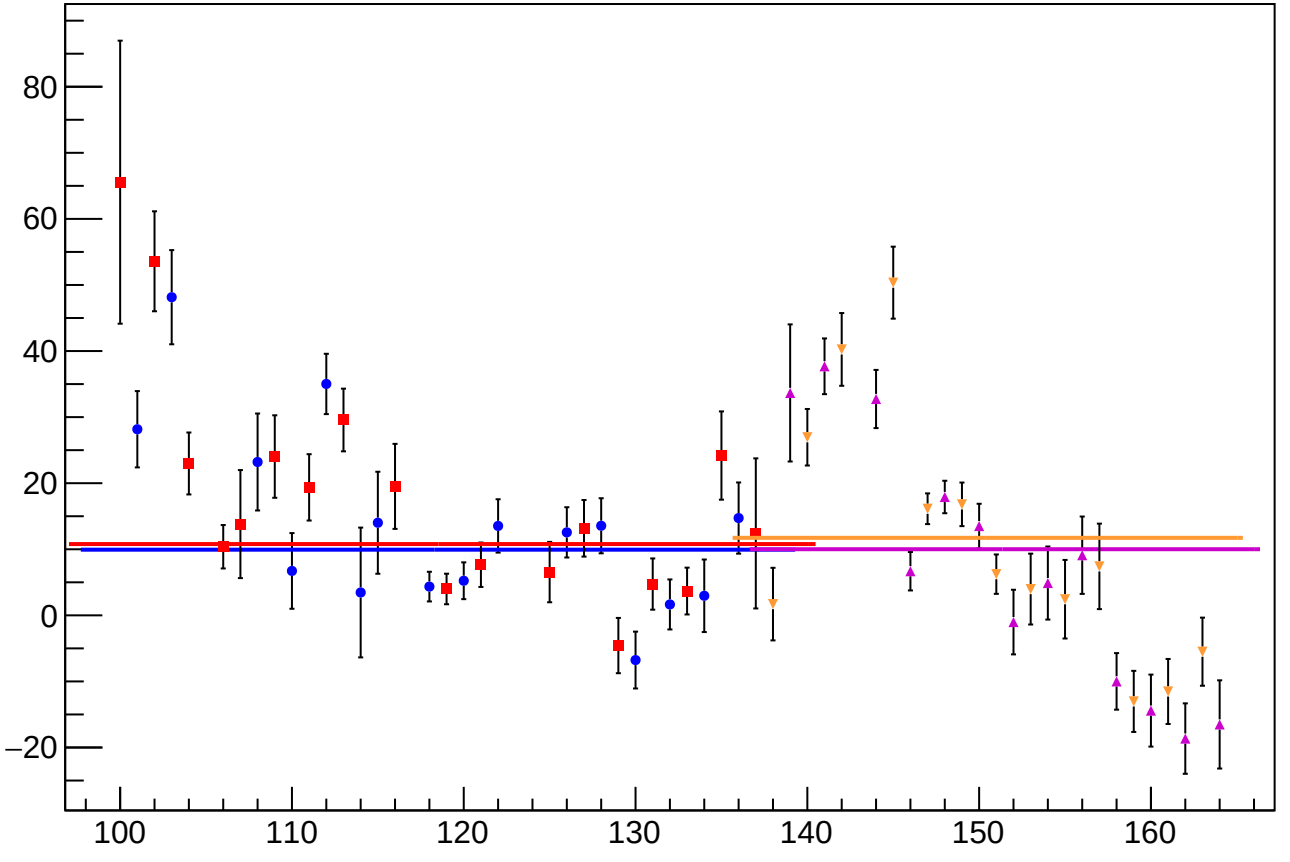
Left In: -323.833+/-1.762 χ^2/NDF:82.1/12

+ sign -238.122+/-0.915 χ^2/NDF: 4994.9/28

All: -230.972+/-0.630 χ^2/NDF: 13597.2/59

- 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: 11.732+/-1.150 χ^2/NDF:169.6/12

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

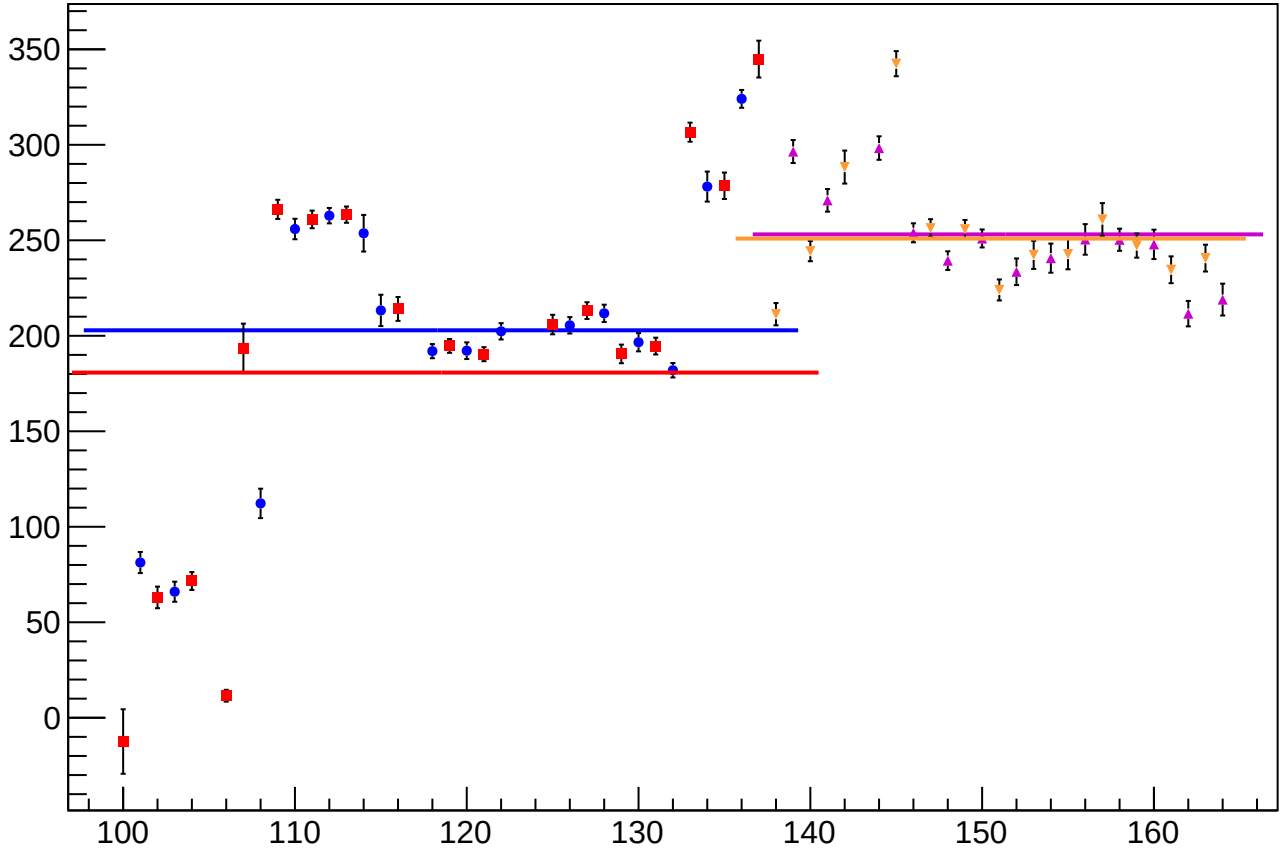
Left In: 10.008+/-1.164 χ^2/NDF:180.3/12

+ sign 10.767+/-0.781 χ^2/NDF: 277.5/28

All: 10.603+/-0.551 χ^2/NDF: 563.1/59

- 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: 250.898+/-1.725 χ^2/NDF:298.6/12

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

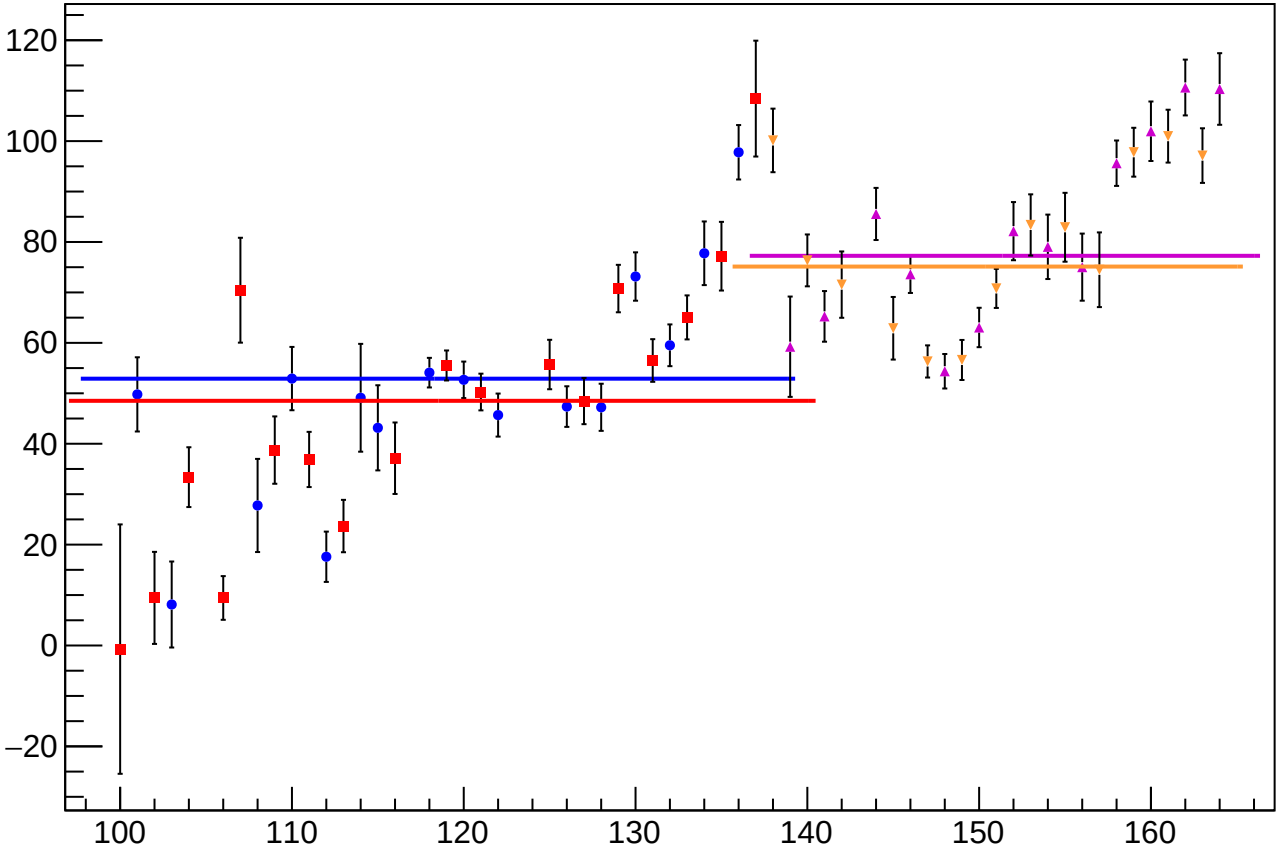
Left In: 253.096+/-1.698 χ^2/NDF:190.0/12

+ sign 218.980+/-0.999 χ^2/NDF: 3277.7/28

All: 210.740+/-0.688 χ^2/NDF: 11194.4/59

- 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: 75.128+/-1.386 χ^2/NDF:143.7/12

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

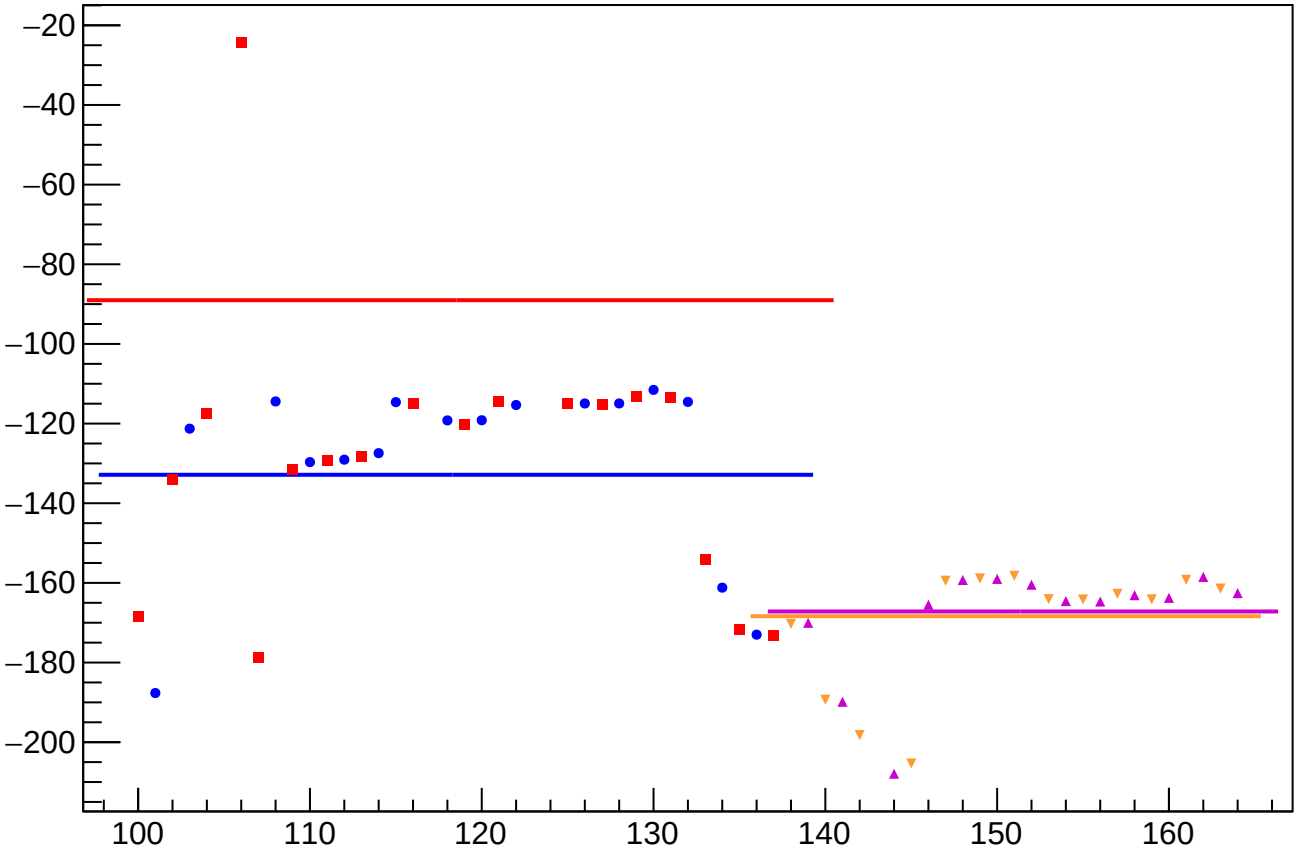
Left In: 77.259+/-1.388 χ^2/NDF:163.8/12

+ sign 62.794+/-0.925 χ^2/NDF: 484.7/28

All: 61.872+/-0.650 χ^2/NDF: 1133.4/59

- 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: -168.373+/-0.067 χ^2/NDF:44782.0/12

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

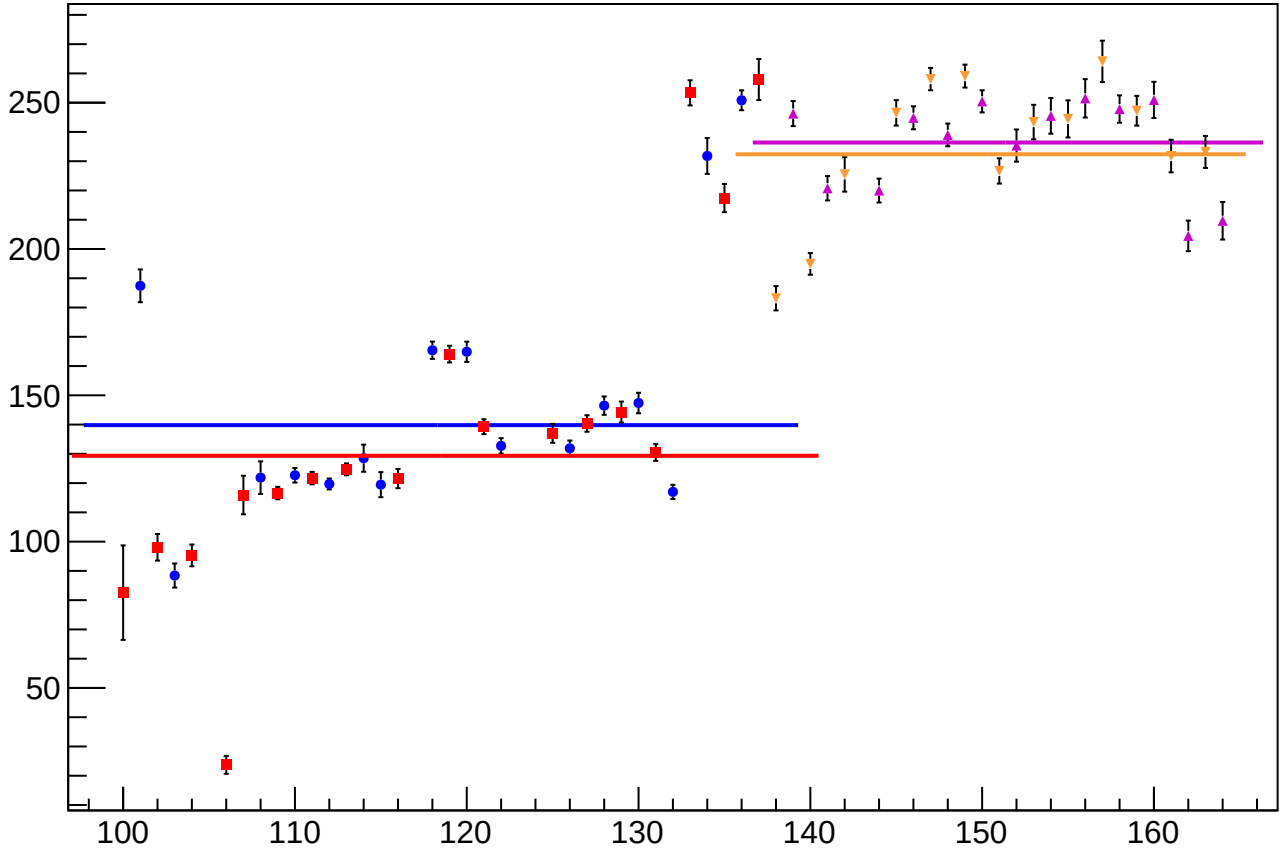
Left In: -167.174+/-0.065 χ^2/NDF:37115.8/12

+ sign -154.000+/-0.052 χ^2/NDF: 251753.3/28

All: -139.157+/-0.034 χ^2/NDF: 1895613.8/59

- 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: 232.376+/-1.316 χ^2/NDF:383.5/12

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

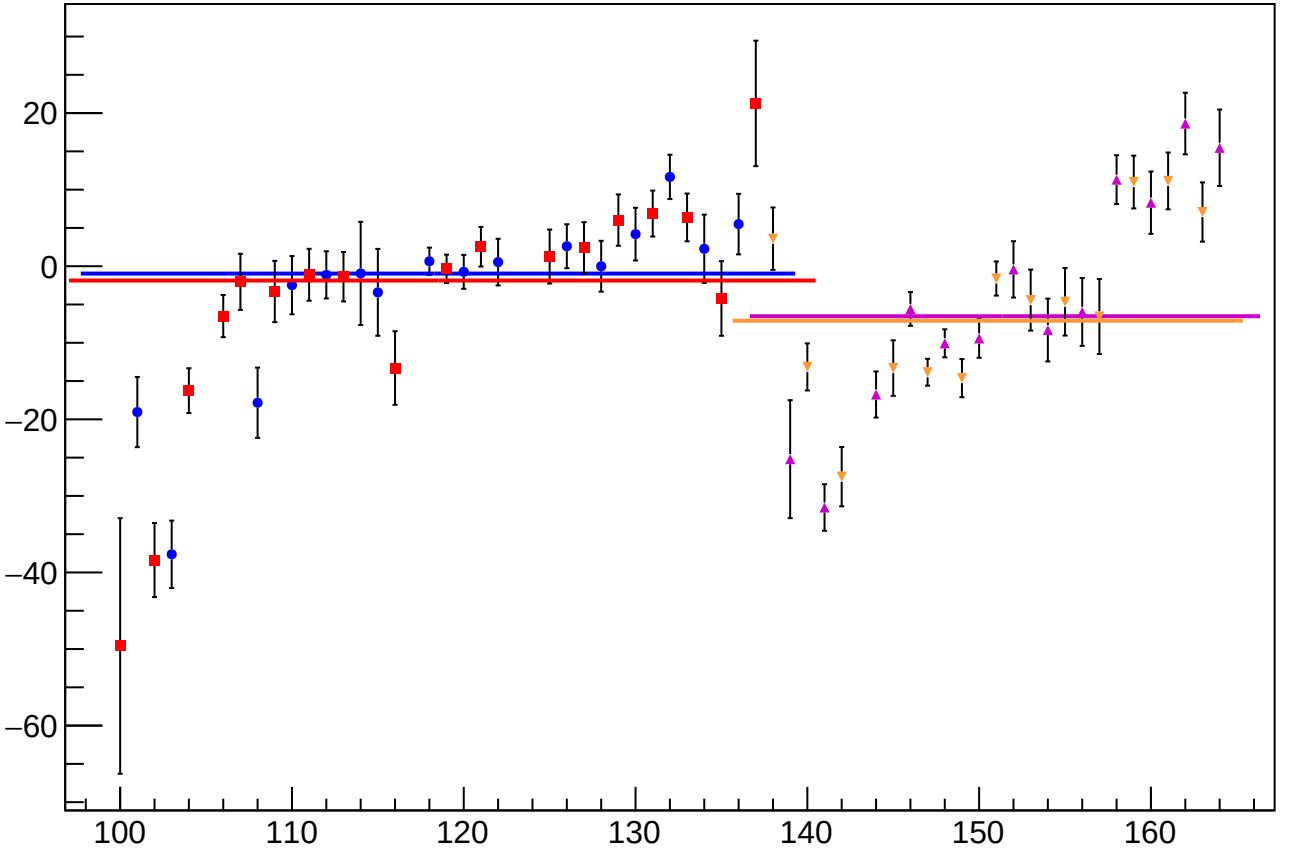
Left In: 236.388+/-1.303 χ^2/NDF:128.4/12

+ sign 164.088+/-0.674 χ^2/NDF: 5999.4/28

All: 159.389+/-0.464 χ^2/NDF: 14468.6/59

- 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: -7.115+/-0.852 χ^2/NDF:137.3/12

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

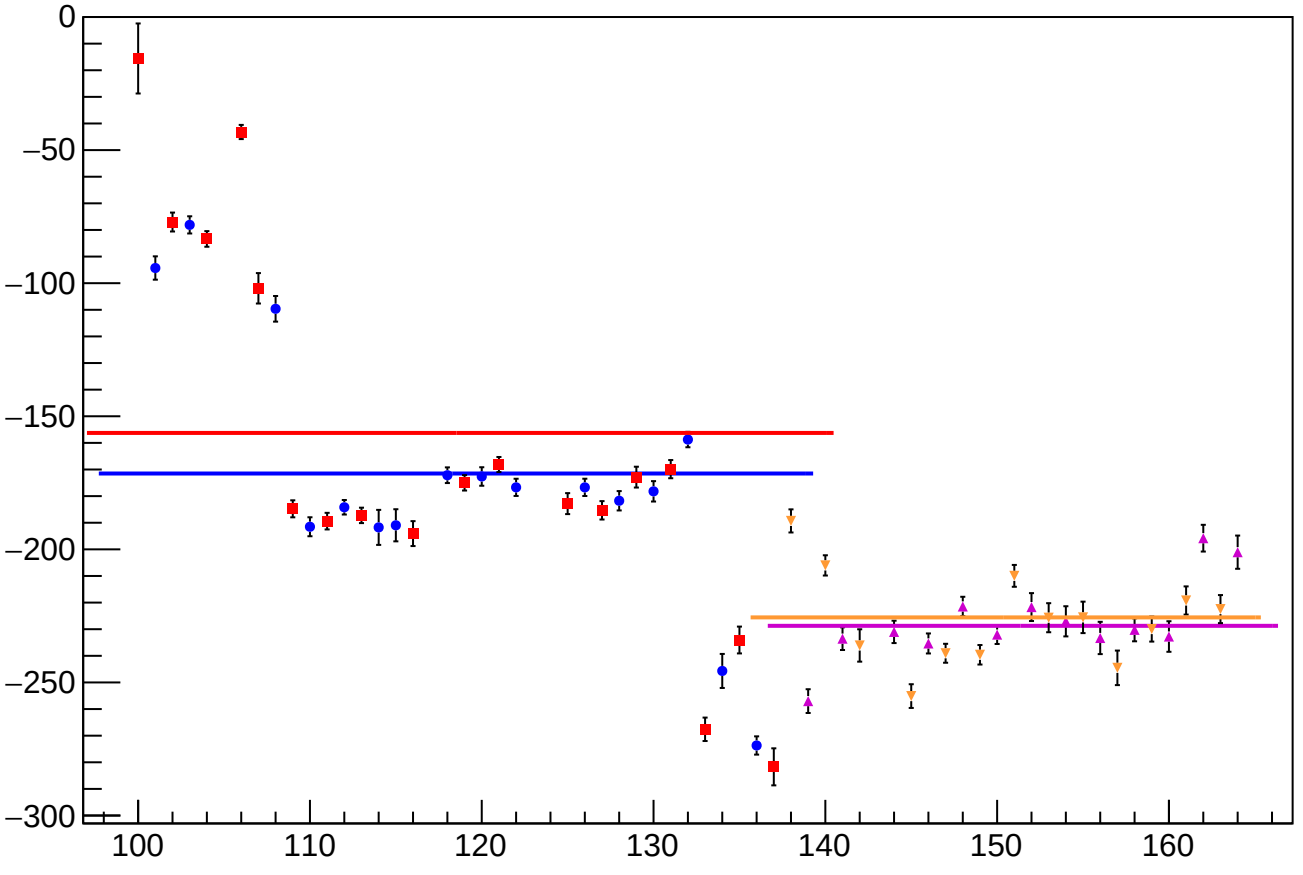
Left In: -6.532+/-0.863 χ^2/NDF:196.4/12

+ sign -3.875+/-0.587 χ^2/NDF: 290.8/28

All: -3.926+/-0.413 χ^2/NDF: 636.4/59

- 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: -225.563+/-1.275 χ^2/NDF:197.8/12

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

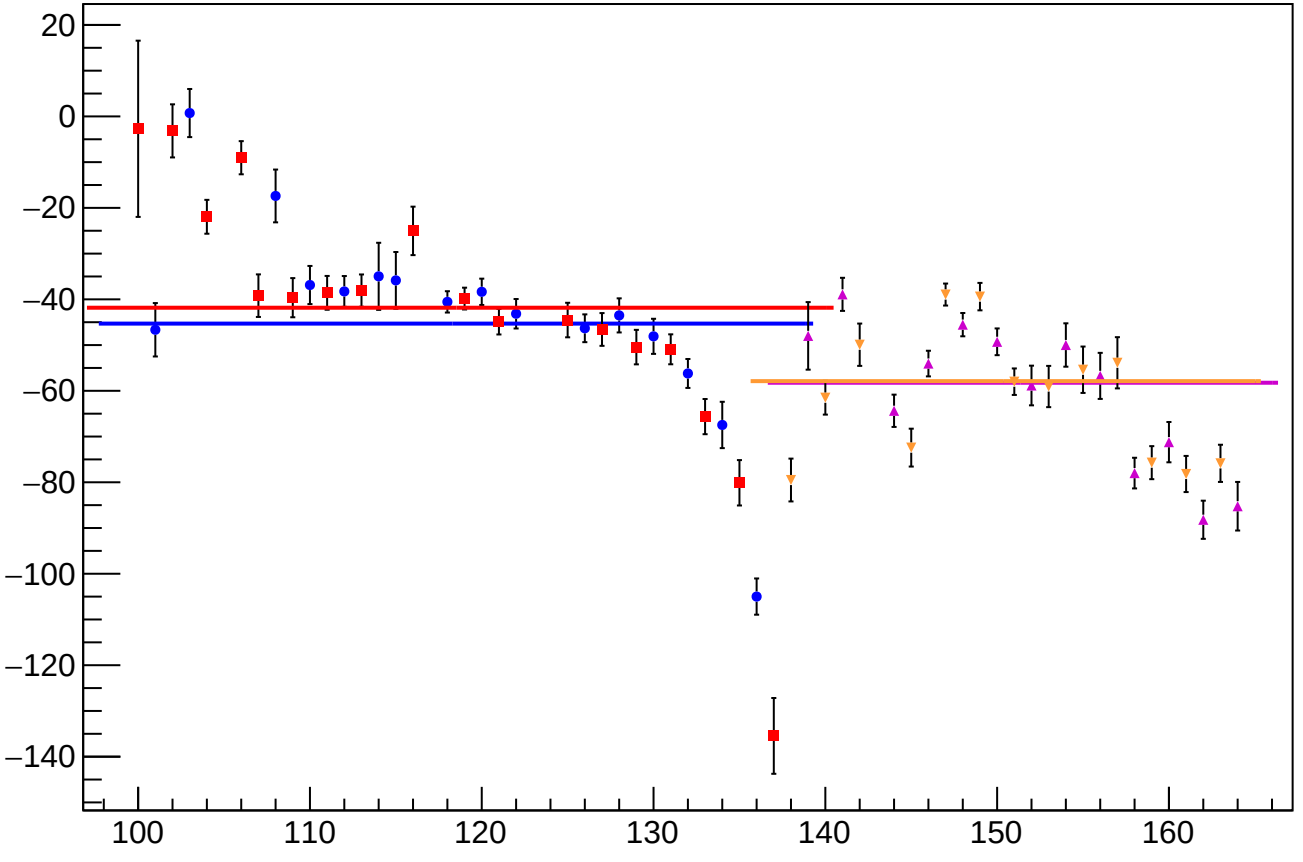
Left In: -228.730+/-1.257 χ^2/NDF:115.4/12

\+ sign -189.666+/-0.739 χ^2/NDF: 3834.4/28

All: -184.009+/-0.509 χ^2/NDF: 11250.4/59

\- 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: -57.885+/-1.027 χ^2/NDF:208.7/12

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

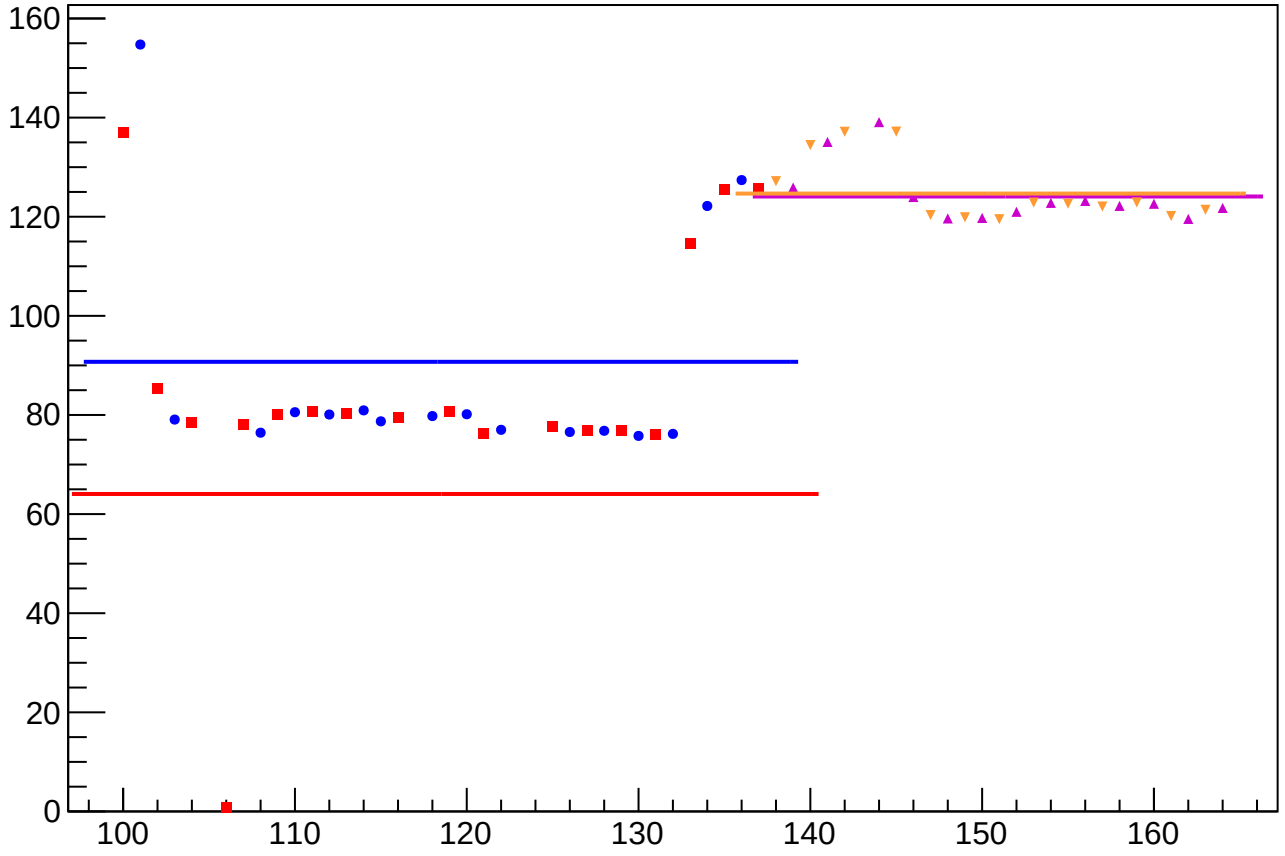
Left In: -58.235+/-1.029 χ^2/NDF:193.9/12

+ sign -51.024+/-0.692 χ^2/NDF: 672.6/28

All: -50.007+/-0.486 χ^2/NDF: 1427.6/59

- 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: 124.671+/-0.050 χ^2/NDF:15118.6/12

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

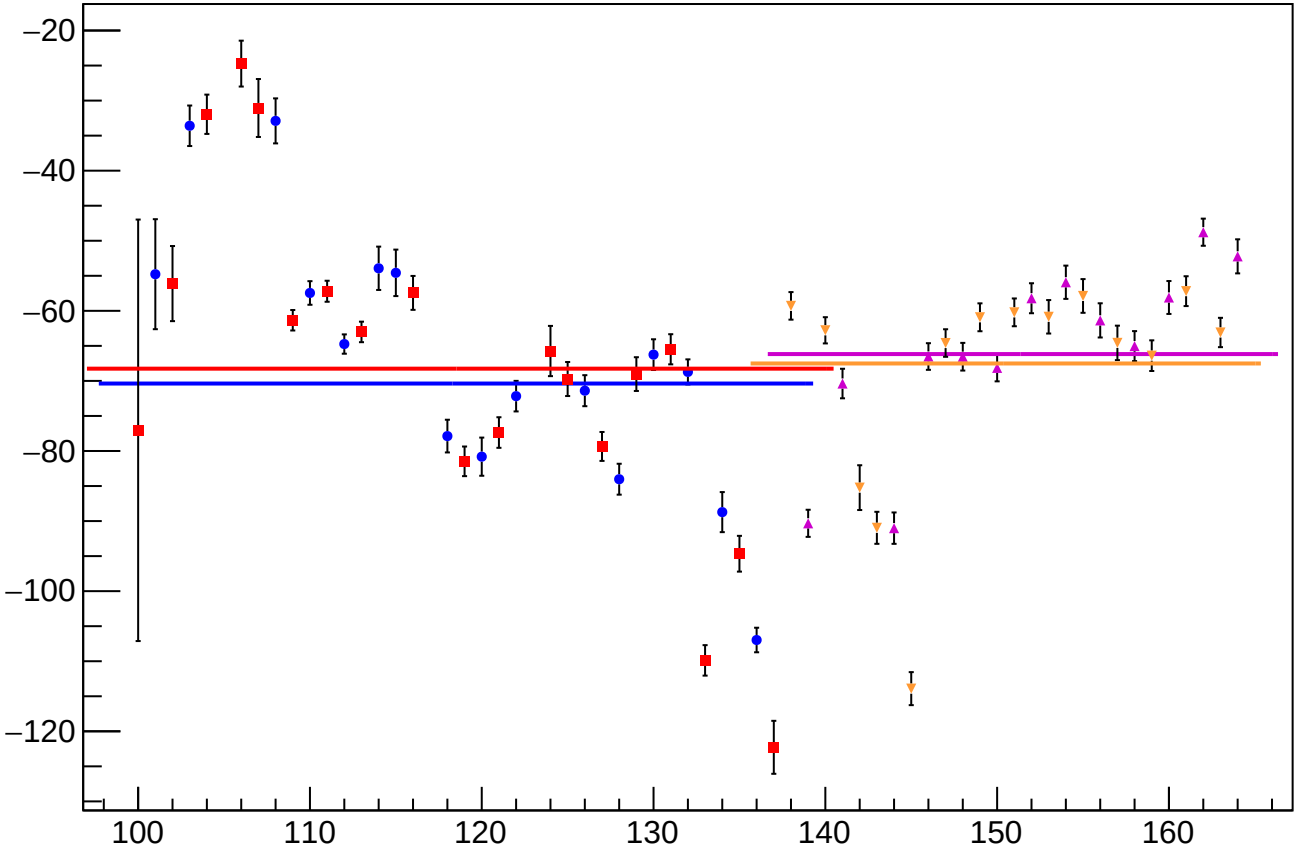
Left In: 124.084+/-0.048 χ^2/NDF:13509.3/12

+ sign 110.456+/-0.038 χ^2/NDF: 372091.9/28

All: 101.860+/-0.025 χ^2/NDF: 1898452.0/59

- 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: -67.512+/-0.582 χ^2/NDF:628.2/13

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

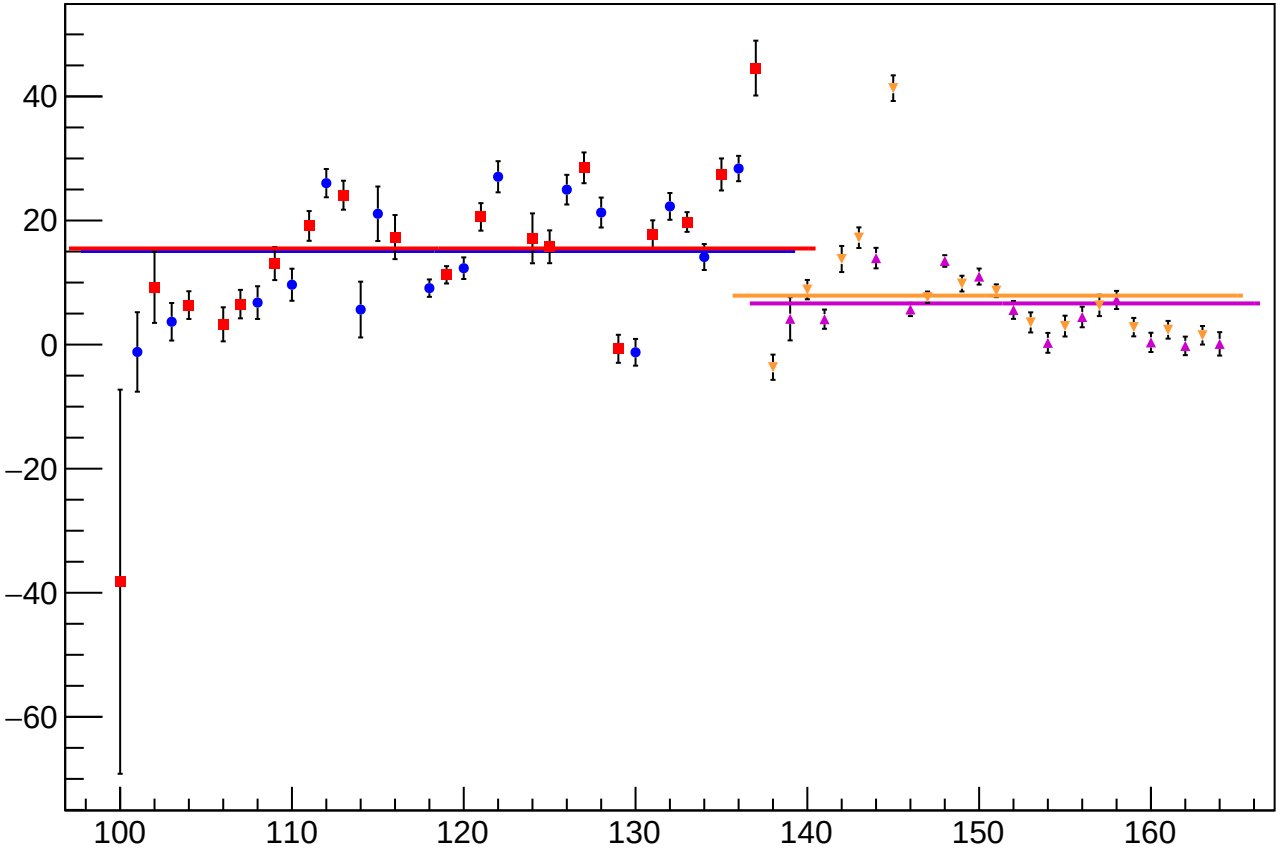
Left In: -66.169+/-0.588 χ^2/NDF:446.1/12

\+ sign -69.004+/-0.403 χ^2/NDF: 1615.7/29

All: -68.142+/-0.281 χ^2/NDF: 3383.7/61

\- sign -67.324+/-0.392 χ^2/NDF: 1759.0/31

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.894+/-0.386 χ^2/NDF:397.7/13

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

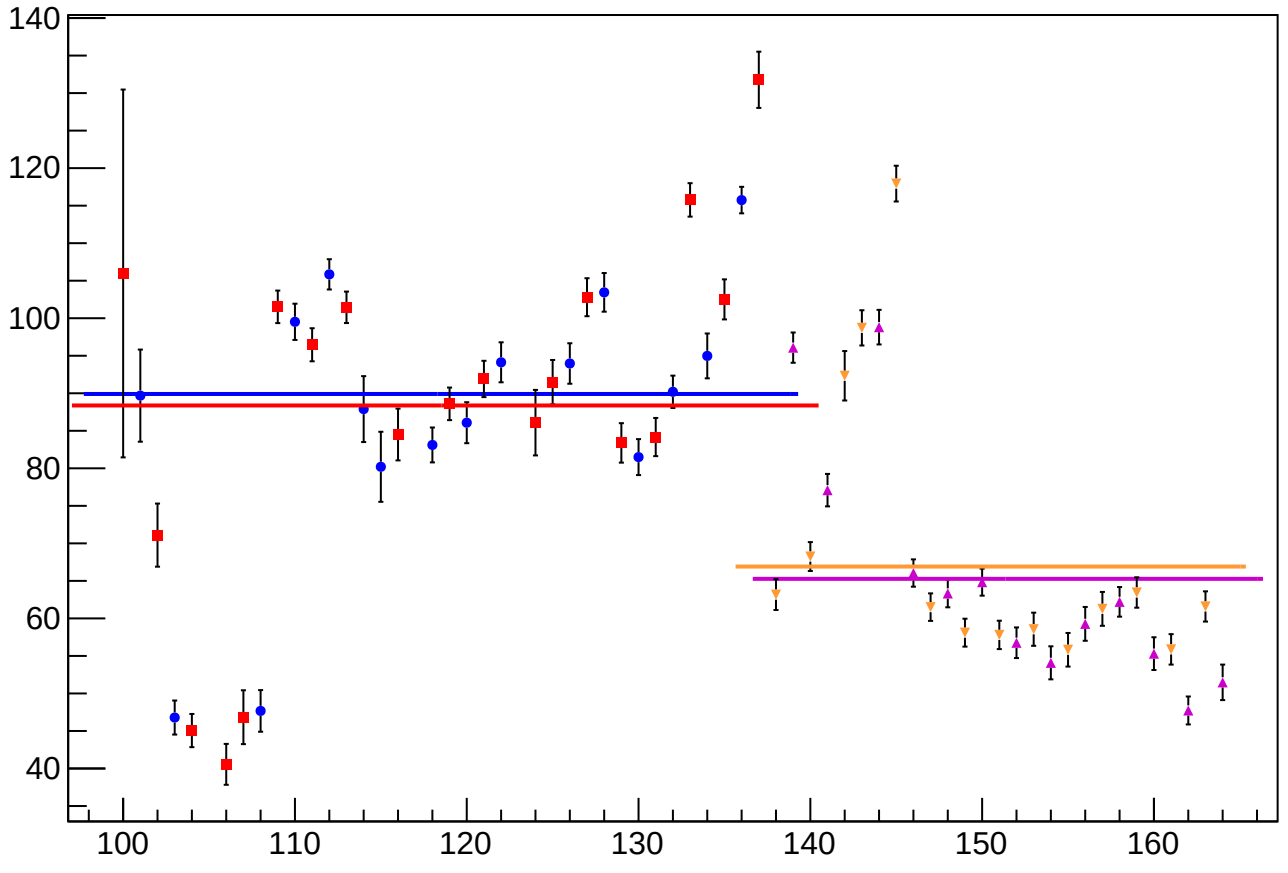
Left In: 6.635+/-0.397 χ^2/NDF:156.1/12

+ sign 10.097+/-0.321 χ^2/NDF: 746.7/29

All: 9.856+/-0.228 χ^2/NDF: 1310.2/61

- 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: 66.909+/-0.563 χ^2/NDF:844.0/13

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

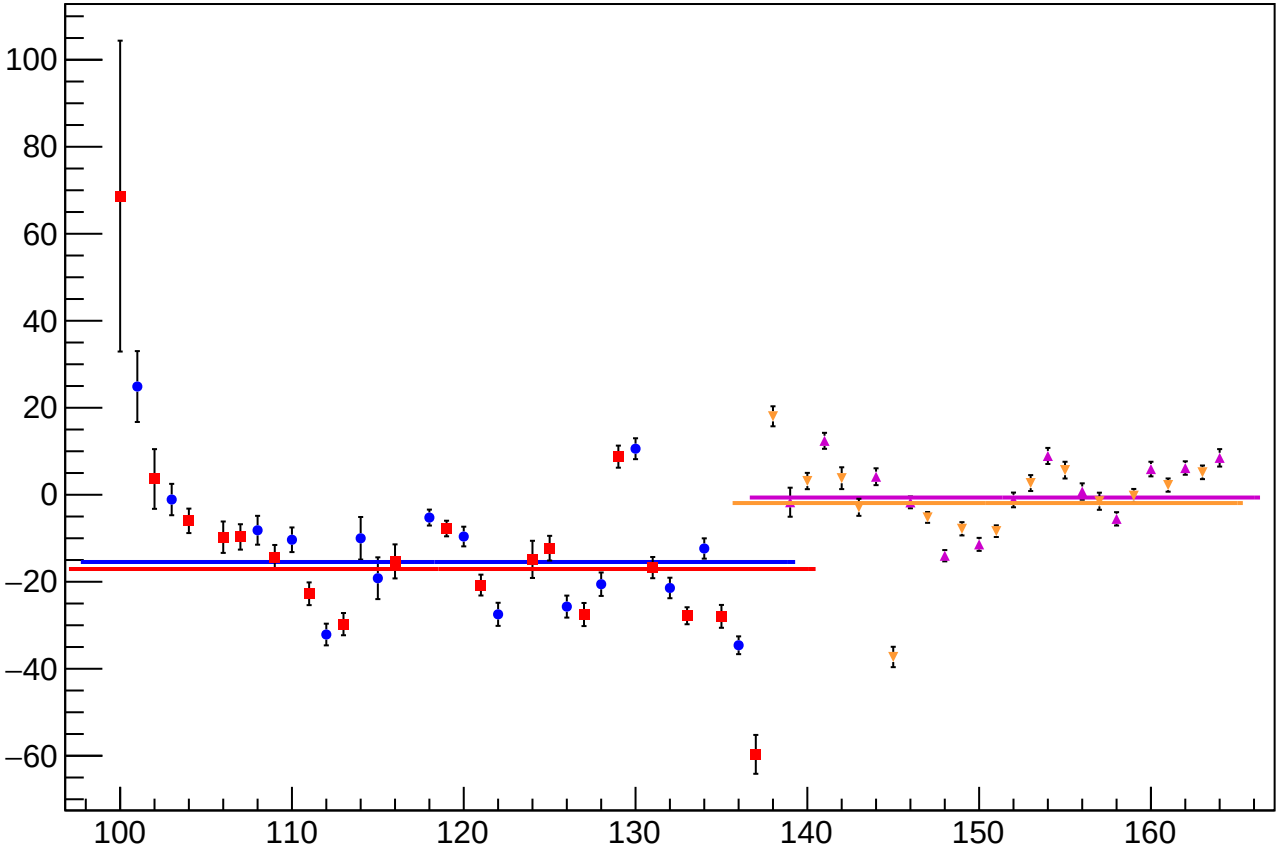
Left In: 65.272+/-0.565 χ^2/NDF:672.7/12

+ sign 76.926+/-0.423 χ^2/NDF: 2519.0/29

All: 76.359+/-0.297 χ^2/NDF: 5245.7/61

- 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: -1.904+/-0.457 χ^2/NDF:412.2/13

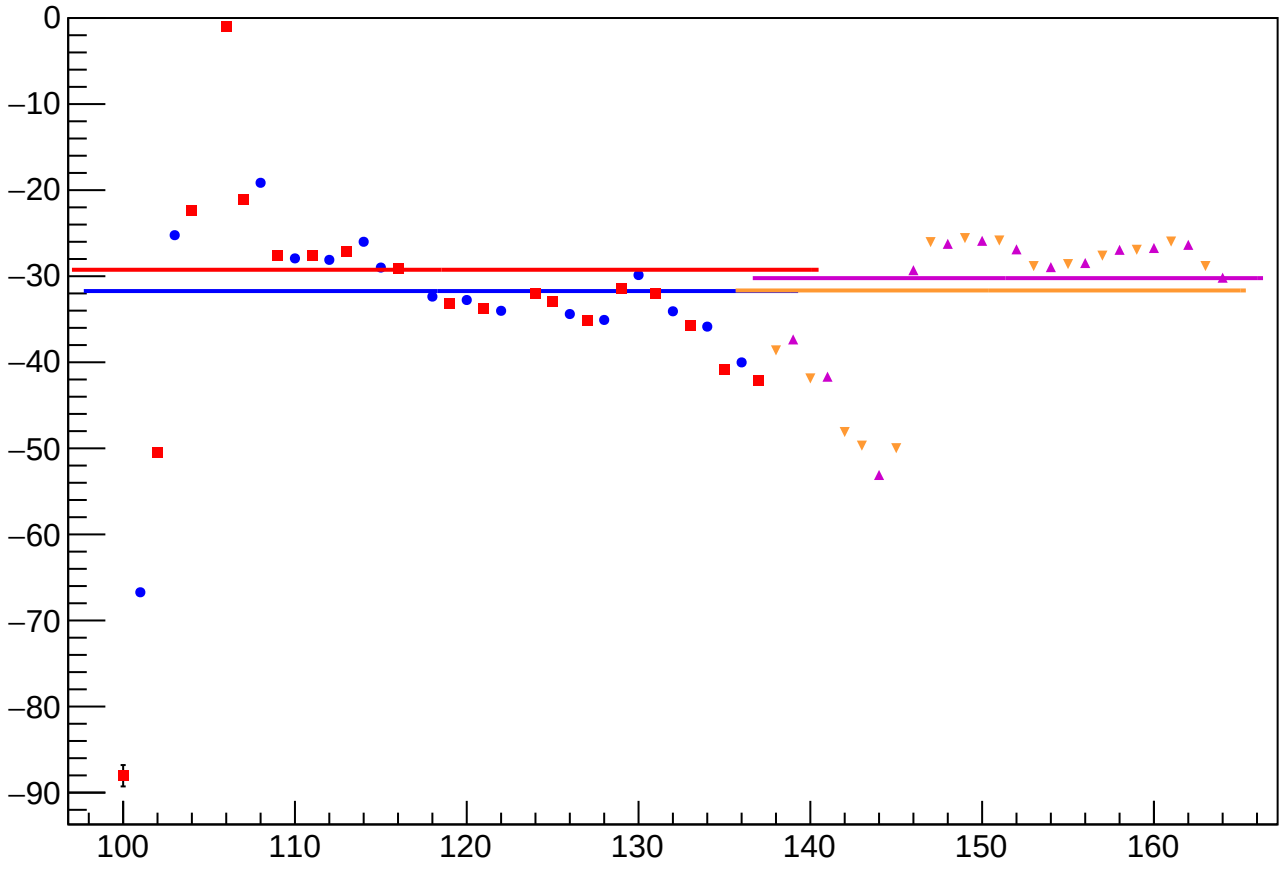
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.635+/-0.466 χ^2/NDF:308.1/12

+ sign -6.246+/-0.377 χ^2/NDF: 1080.5/29

All: -6.268+/-0.267 χ^2/NDF: 2177.0/61

- 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: -31.656+/-0.021 χ^2/NDF:144157.4/13

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

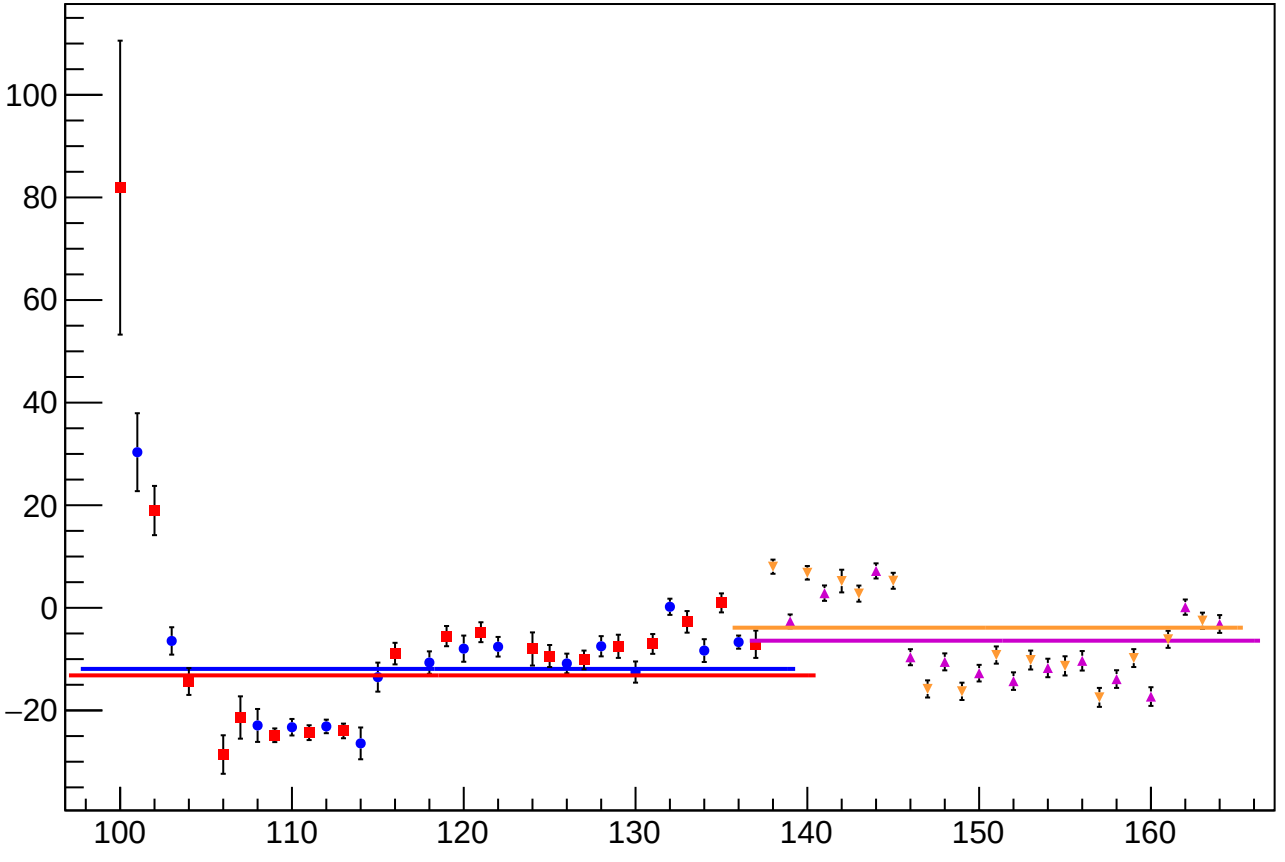
Left In: -30.224+/-0.021 χ^2/NDF:92692.6/12

+ sign -31.672+/-0.019 χ^2/NDF: 183796.4/29

All: -30.829+/-0.013 χ^2/NDF: 376259.1/61

- 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: -3.871+/-0.441 χ^2/NDF:419.6/13

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

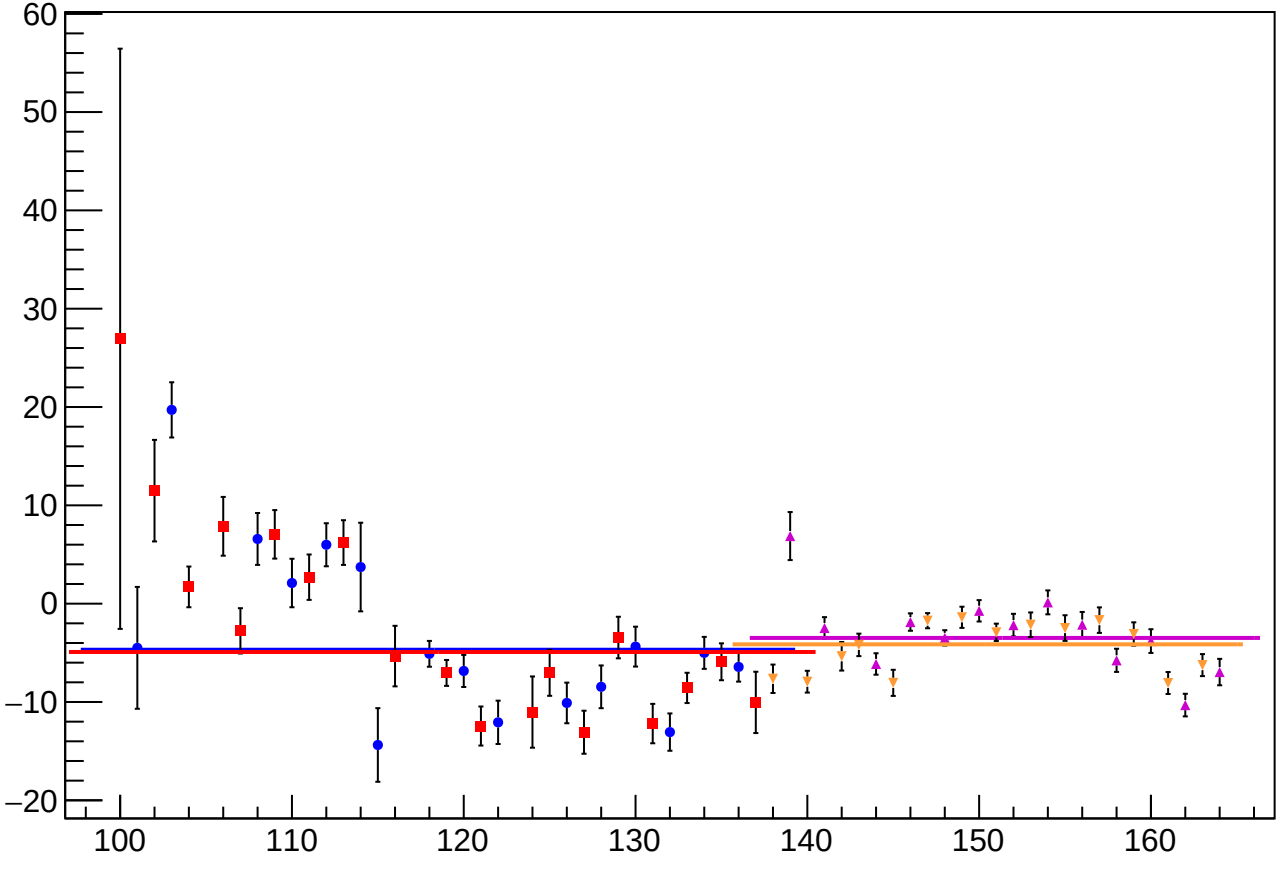
Left In: -6.408+/-0.449 χ^2/NDF:268.2/12

+ sign -7.409+/-0.330 χ^2/NDF: 848.1/29

All: -8.492+/-0.233 χ^2/NDF: 1665.1/61

- 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: -4.137+/-0.301 χ^2/NDF:69.7/13

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

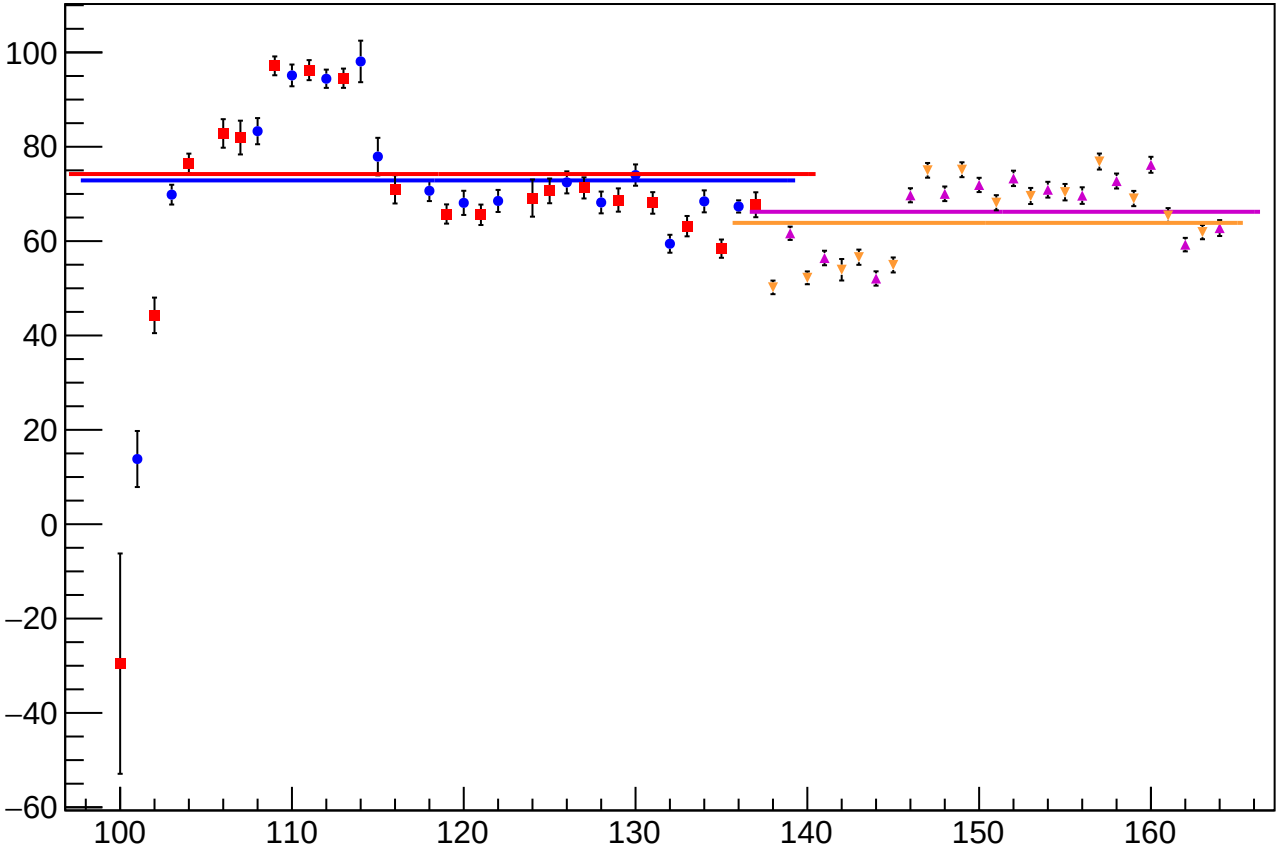
Left In: -3.485+/-0.311 χ^2/NDF:91.5/12

+ sign -4.276+/-0.260 χ^2/NDF: 249.6/29

All: -4.077+/-0.186 χ^2/NDF: 503.8/61

- 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: 63.868+/-0.429 χ^2/NDF:439.8/13

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

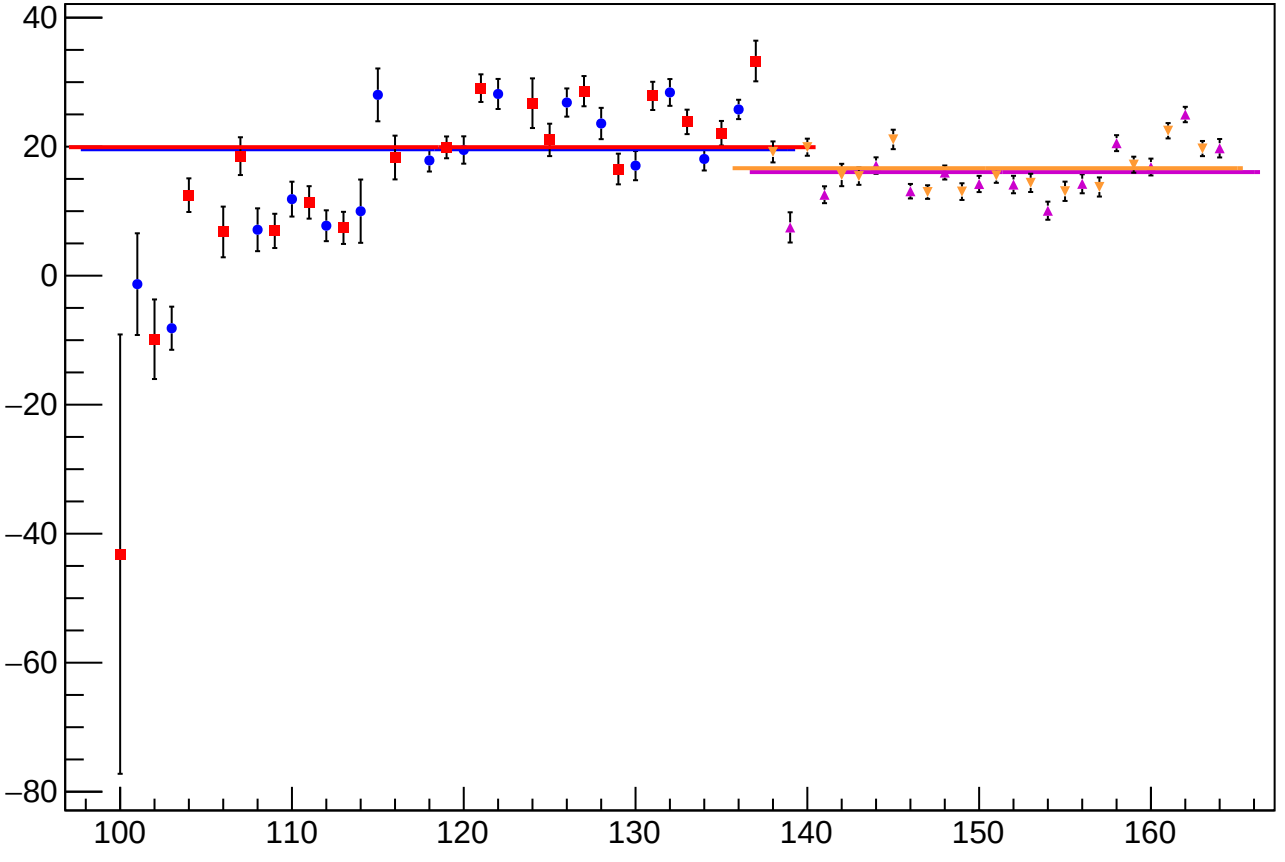
Left In: 66.216+/-0.434 χ^2/NDF:273.0/12

+ sign 67.155+/-0.342 χ^2/NDF: 1051.3/29

All: 68.175+/-0.242 χ^2/NDF: 2055.2/61

- 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: 16.660+/-0.353 χ^2/NDF:82.4/13

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

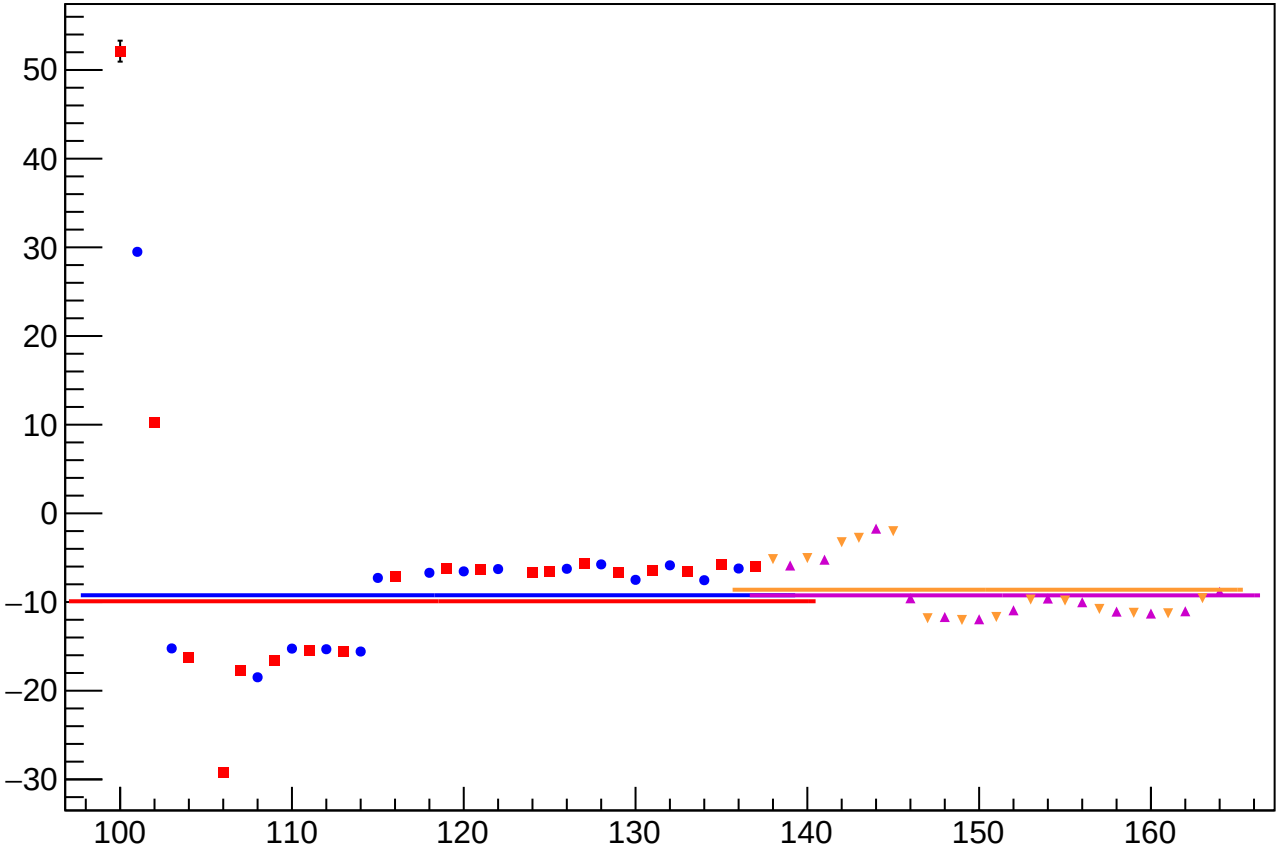
Left In: 16.058+/-0.363 χ^2/NDF:128.2/12

+ sign 17.445+/-0.303 χ^2/NDF: 296.8/29

All: 17.291+/-0.216 χ^2/NDF: 638.3/61

- 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: -8.611+/-0.016 χ^2/NDF:43539.7/13

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

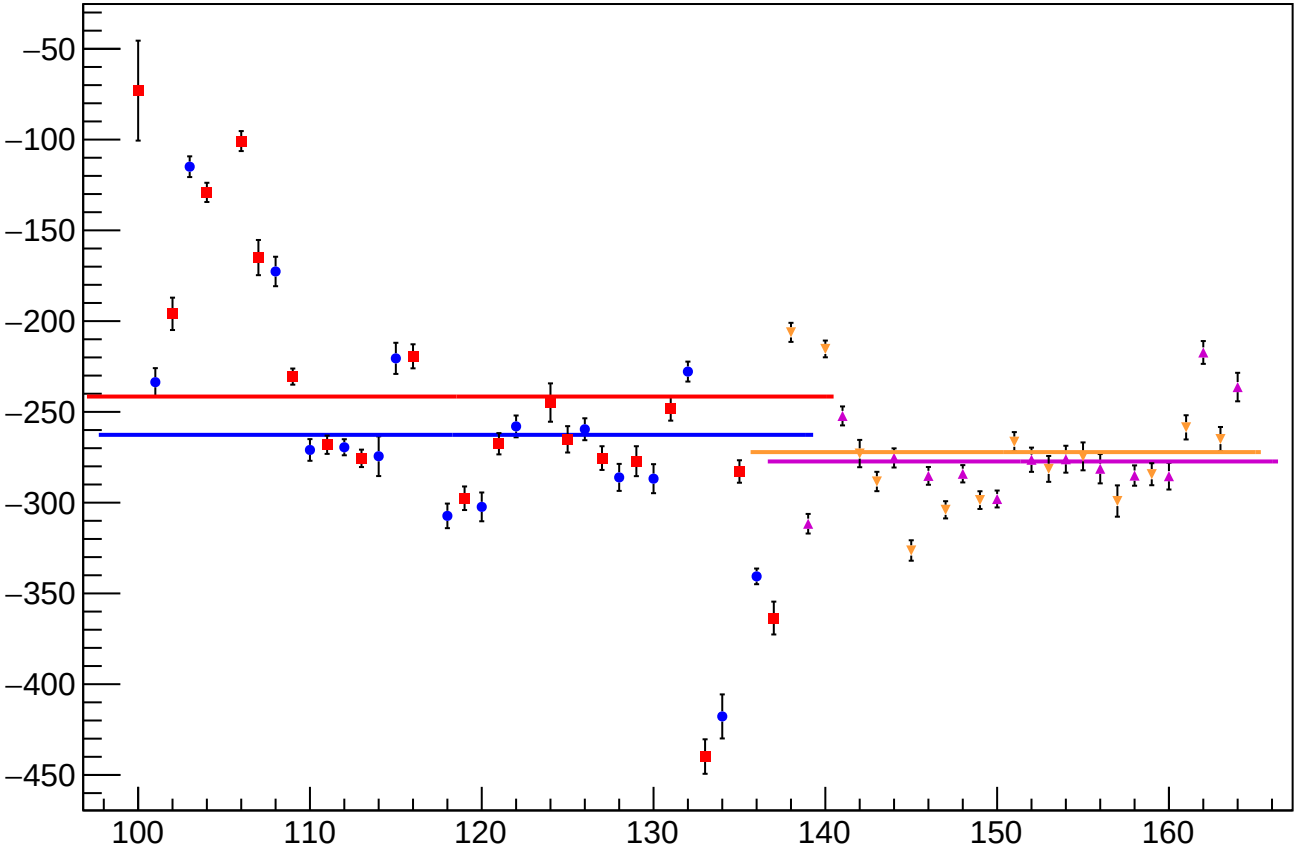
Left In: -9.247+/-0.016 χ^2/NDF:28871.8/12

+ sign -8.734+/-0.015 χ^2/NDF: 74988.7/29

All: -9.048+/-0.010 χ^2/NDF: 158965.0/61

- 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: -272.150+/-1.558 χ^2/NDF:508.1/13

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

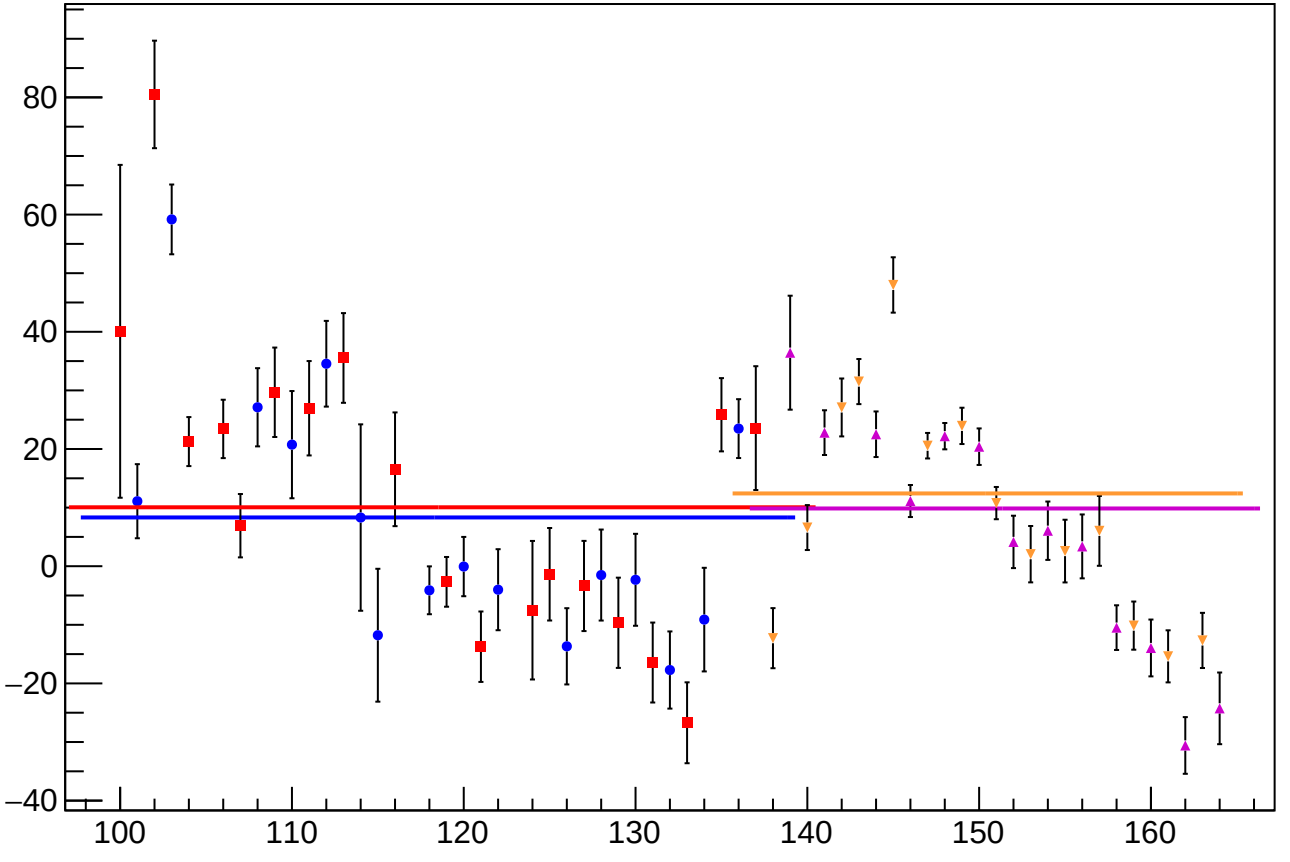
Left In: -277.307+/-1.609 χ^2/NDF:209.8/12

+ sign -267.564+/-1.121 χ^2/NDF: 1980.4/29

All: -262.818+/-0.785 χ^2/NDF: 4627.2/61

- 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: 12.417+/-1.017 χ^2/NDF:250.7/13

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

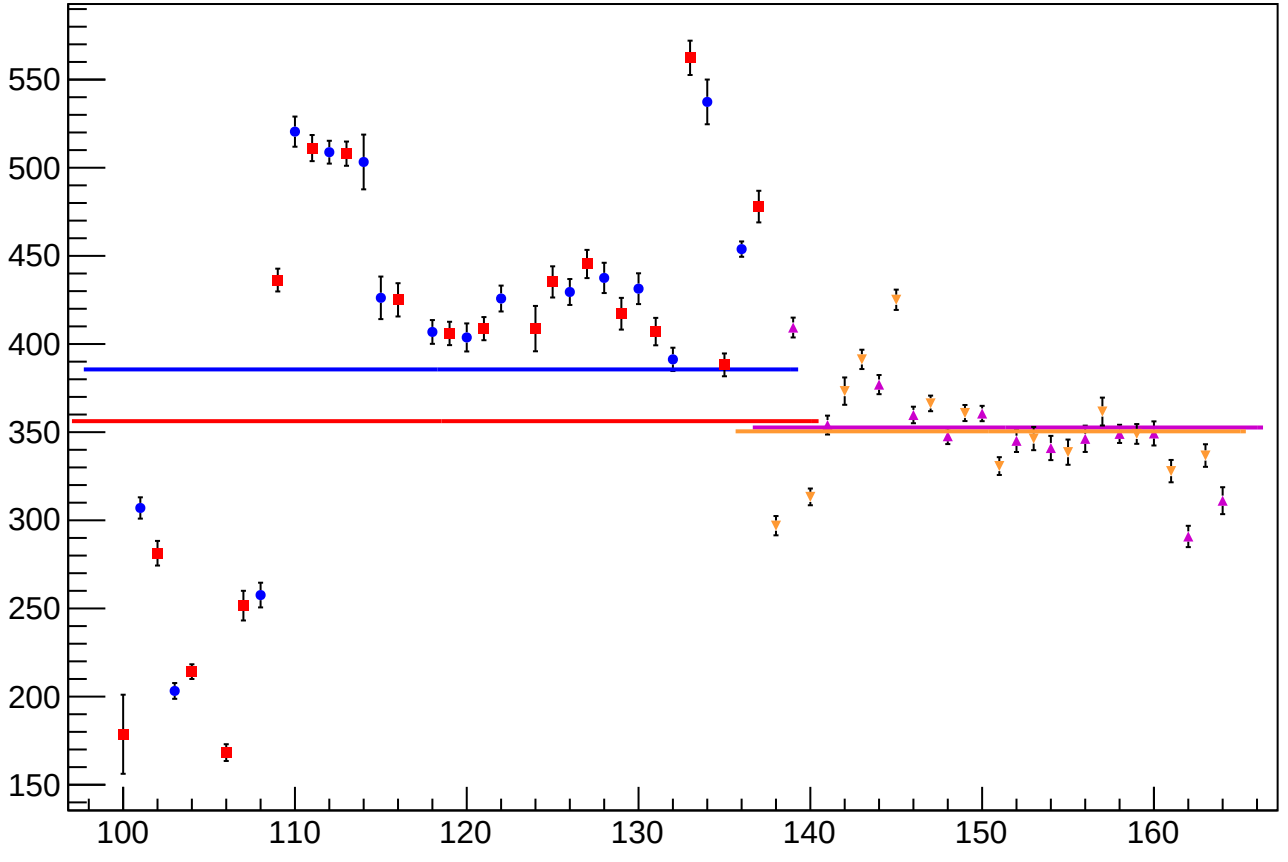
Left In: 9.851+/-1.063 χ^2/NDF:228.6/12

+ sign 11.284+/-0.865 χ^2/NDF: 412.8/29

All: 10.608+/-0.615 χ^2/NDF: 830.1/61

- 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: 350.473+/-1.514 χ^2/NDF:444.9/13

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

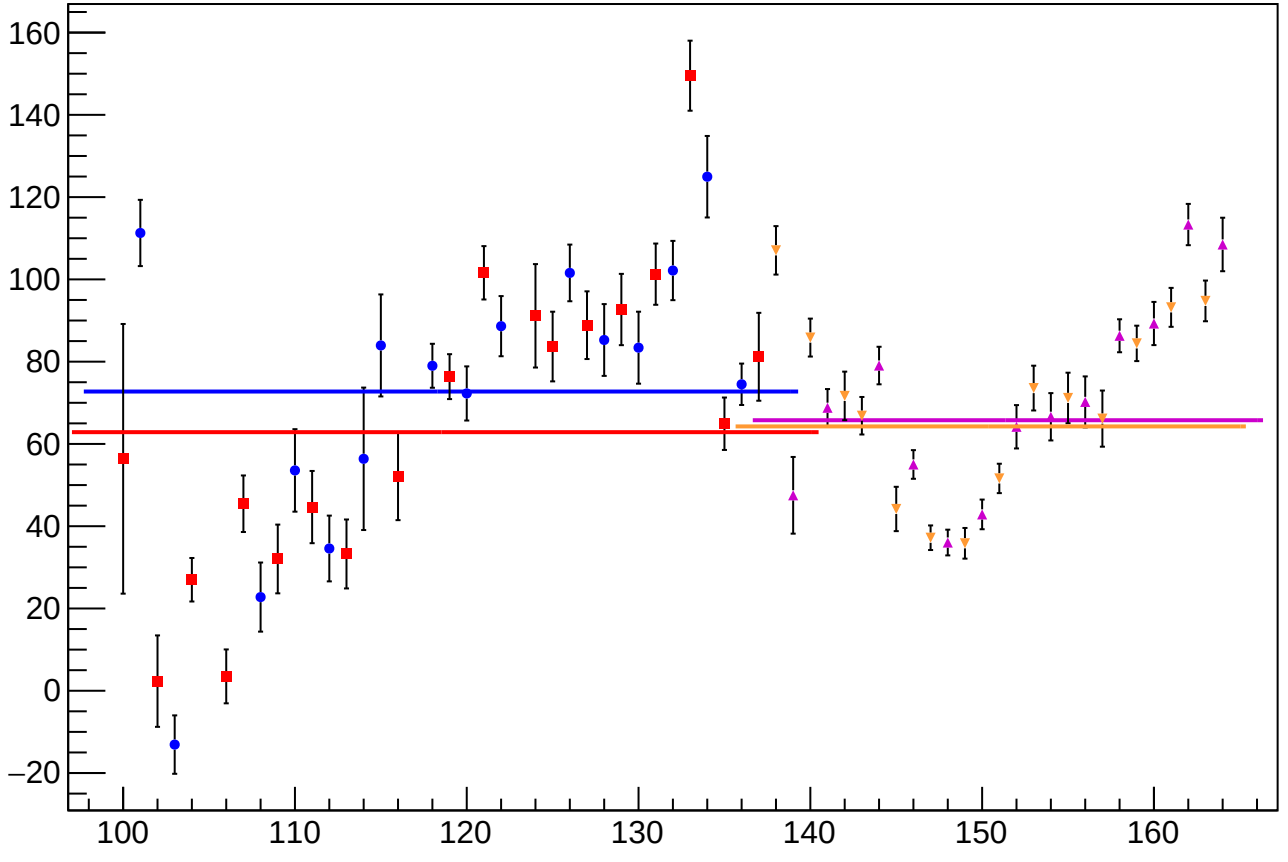
Left In: 352.647+/-1.550 χ^2/NDF:268.2/12

+ sign 365.587+/-1.143 χ^2/NDF: 4049.4/29

All: 359.892+/-0.803 χ^2/NDF: 9639.5/61

- 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: 64.259+/-1.221 χ^2/NDF:344.7/13

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

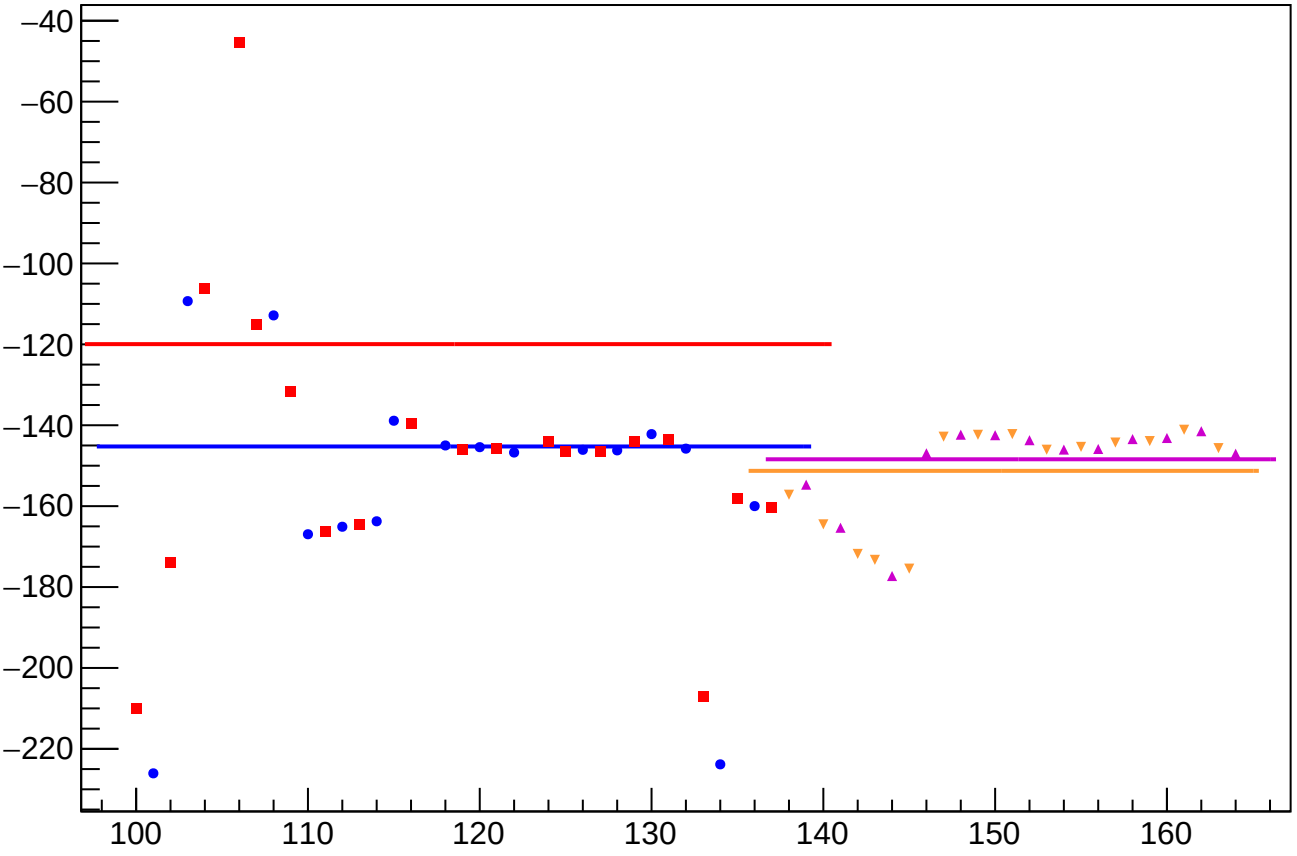
Left In: 65.765+/-1.266 χ^2/NDF:332.9/12

+ sign 66.745+/-1.027 χ^2/NDF: 663.2/29

All: 65.780+/-0.729 χ^2/NDF: 1403.2/61

- 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: -151.273+/-0.059 χ^2/NDF:41335.7/13

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

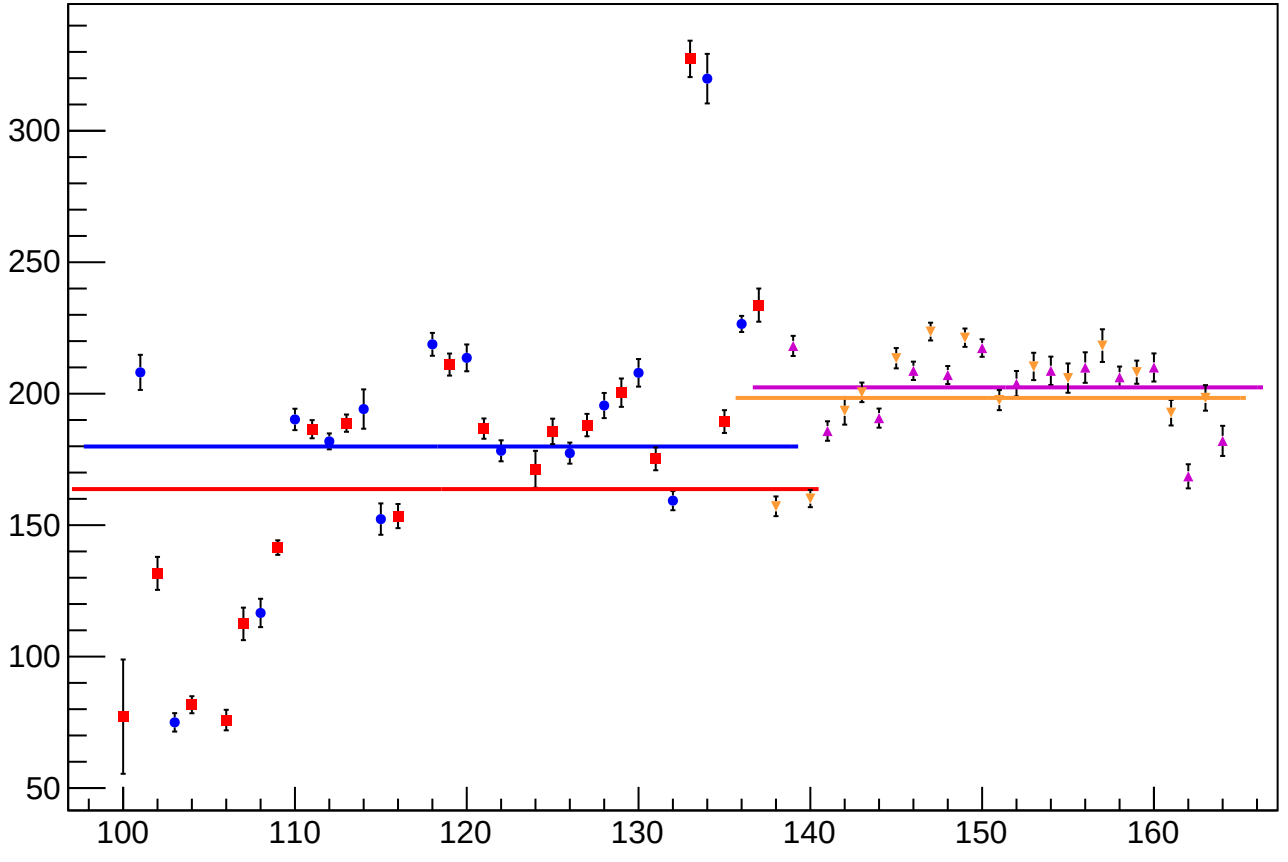
Left In: -148.414+/-0.059 χ^2/NDF:26177.3/12

+ sign -149.674+/-0.051 χ^2/NDF: 176153.0/29

All: -144.534+/-0.035 χ^2/NDF: 563631.5/61

- 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: 198.394+/-1.111 χ^2/NDF:396.5/13

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

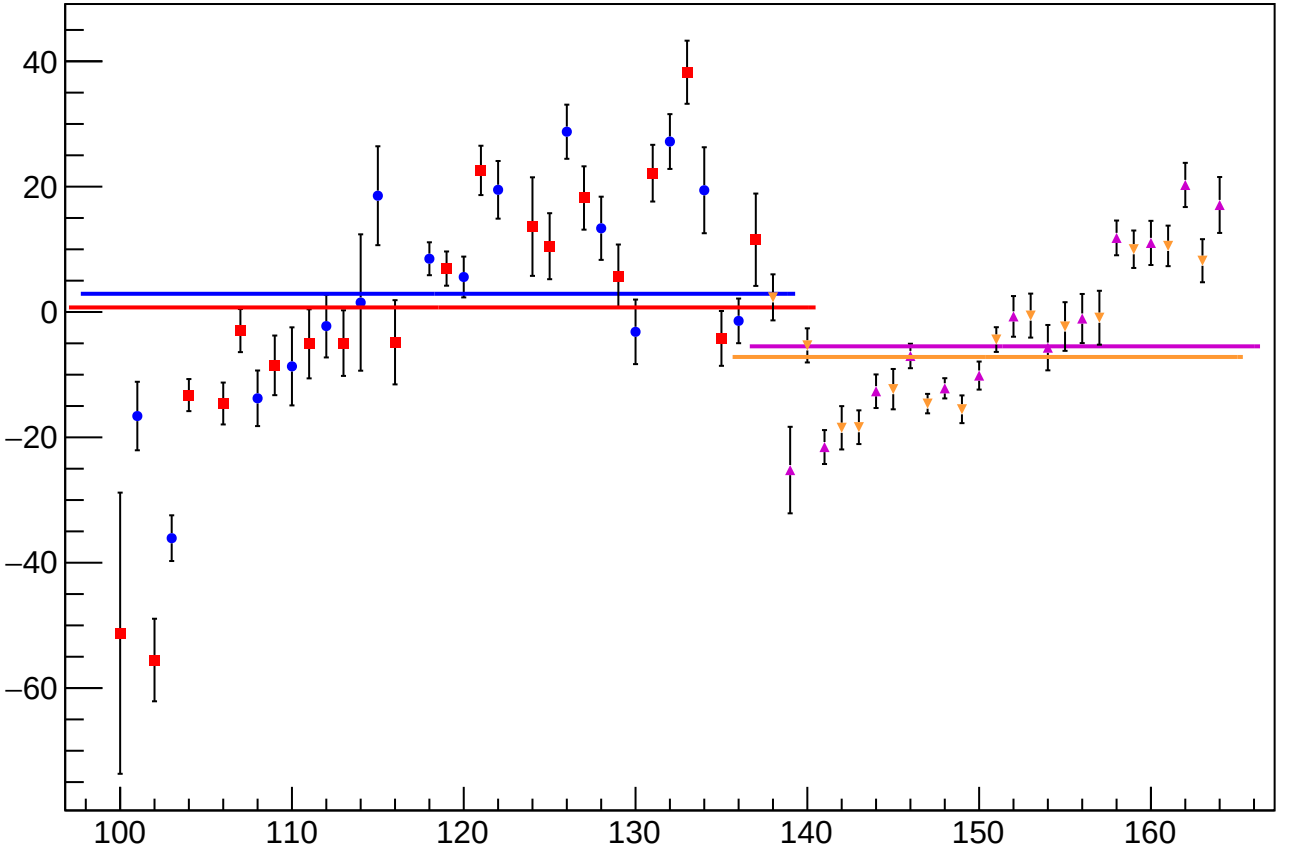
Left In: 202.407+/-1.152 χ^2/NDF:145.8/12

\+ sign 188.964+/-0.778 χ^2/NDF: 2270.2/29

All: 184.537+/-0.542 χ^2/NDF: 5538.6/61

\- 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: -7.173+/-0.726 χ^2/NDF:167.2/13

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

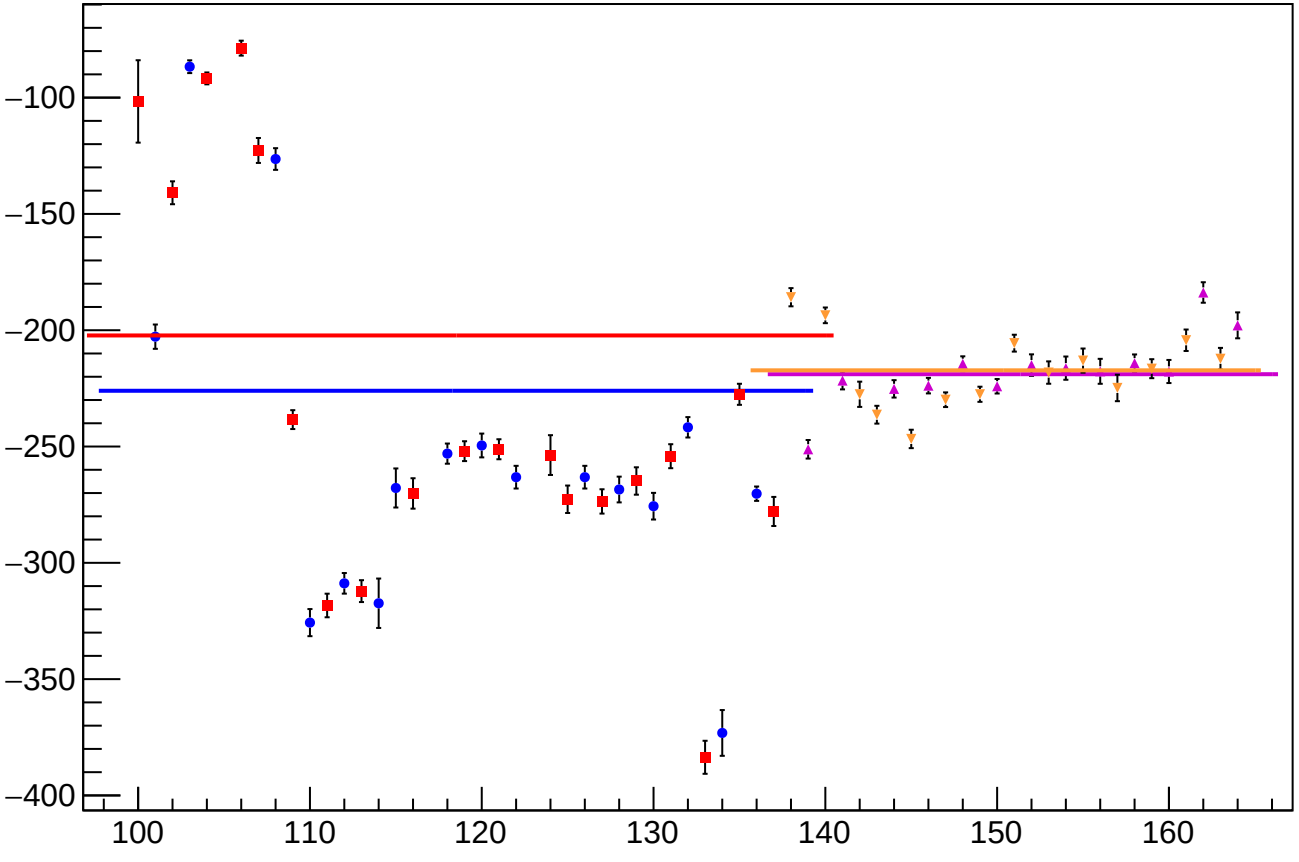
Left In: -5.477+/-0.762 χ^2/NDF:216.0/12

+ sign -4.132+/-0.607 χ^2/NDF: 472.9/29

All: -3.683+/-0.430 χ^2/NDF: 987.6/61

- 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: -217.240+/-1.082 χ^2/NDF:245.7/13

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

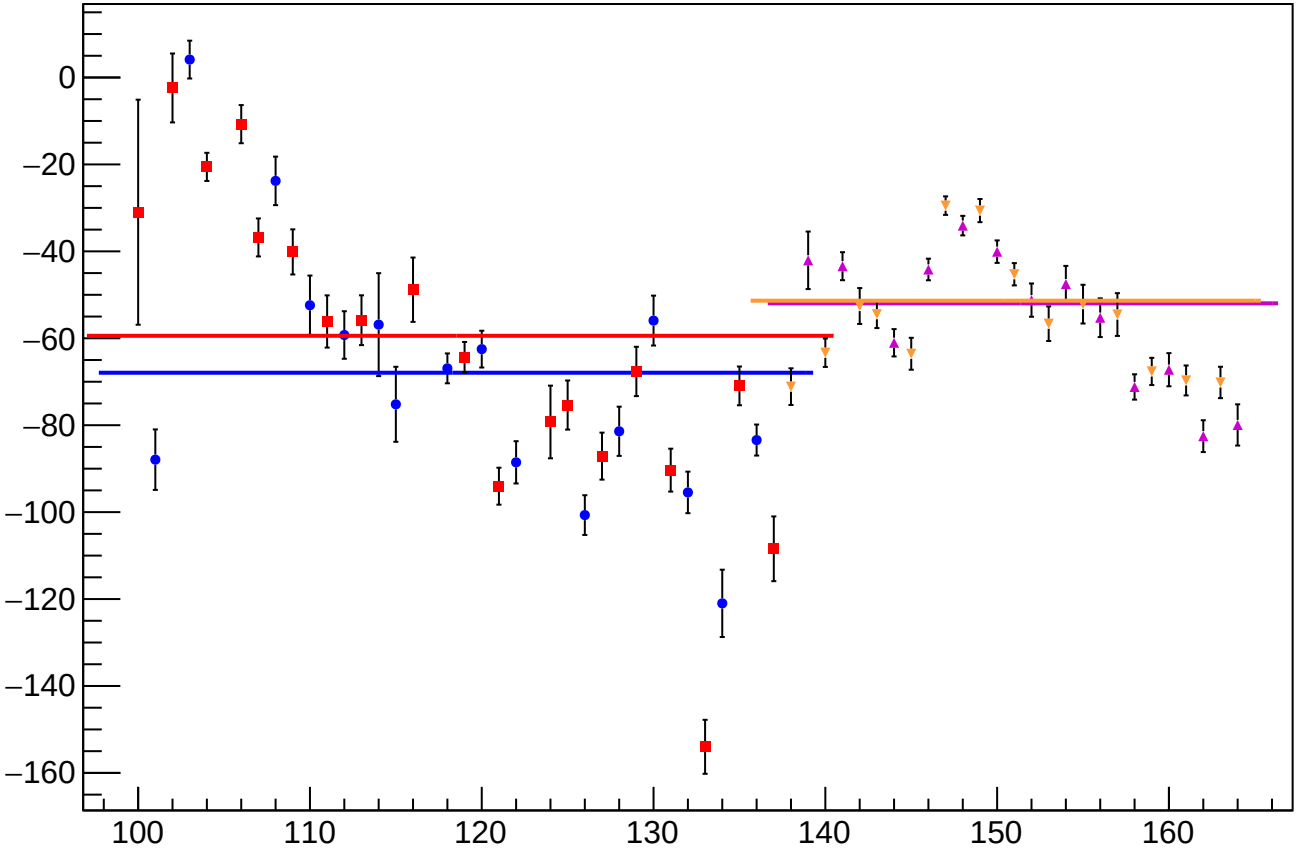
Left In: -218.903+/-1.111 χ^2/NDF:156.1/12

+ sign -221.271+/-0.796 χ^2/NDF: 4815.0/29

All: -215.702+/-0.556 χ^2/NDF: 11872.3/61

- 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: -51.351+/-0.873 χ^2/NDF:303.9/13

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

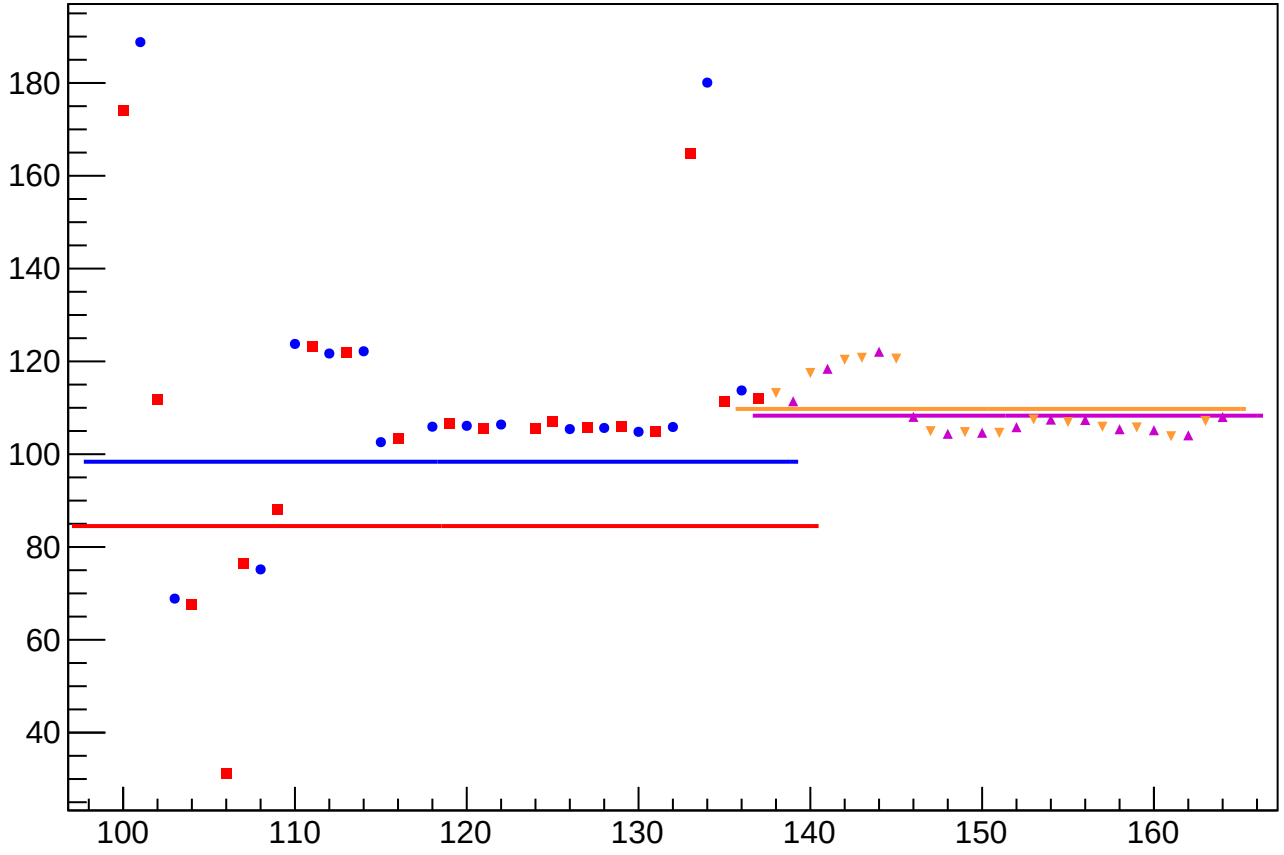
Left In: -51.957+/-0.909 χ^2/NDF:277.8/12

+ sign -56.623+/-0.721 χ^2/NDF: 952.6/29

All: -55.675+/-0.510 χ^2/NDF: 2053.7/61

- 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: 109.758+/-0.042 χ^2/NDF:21972.1/13

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

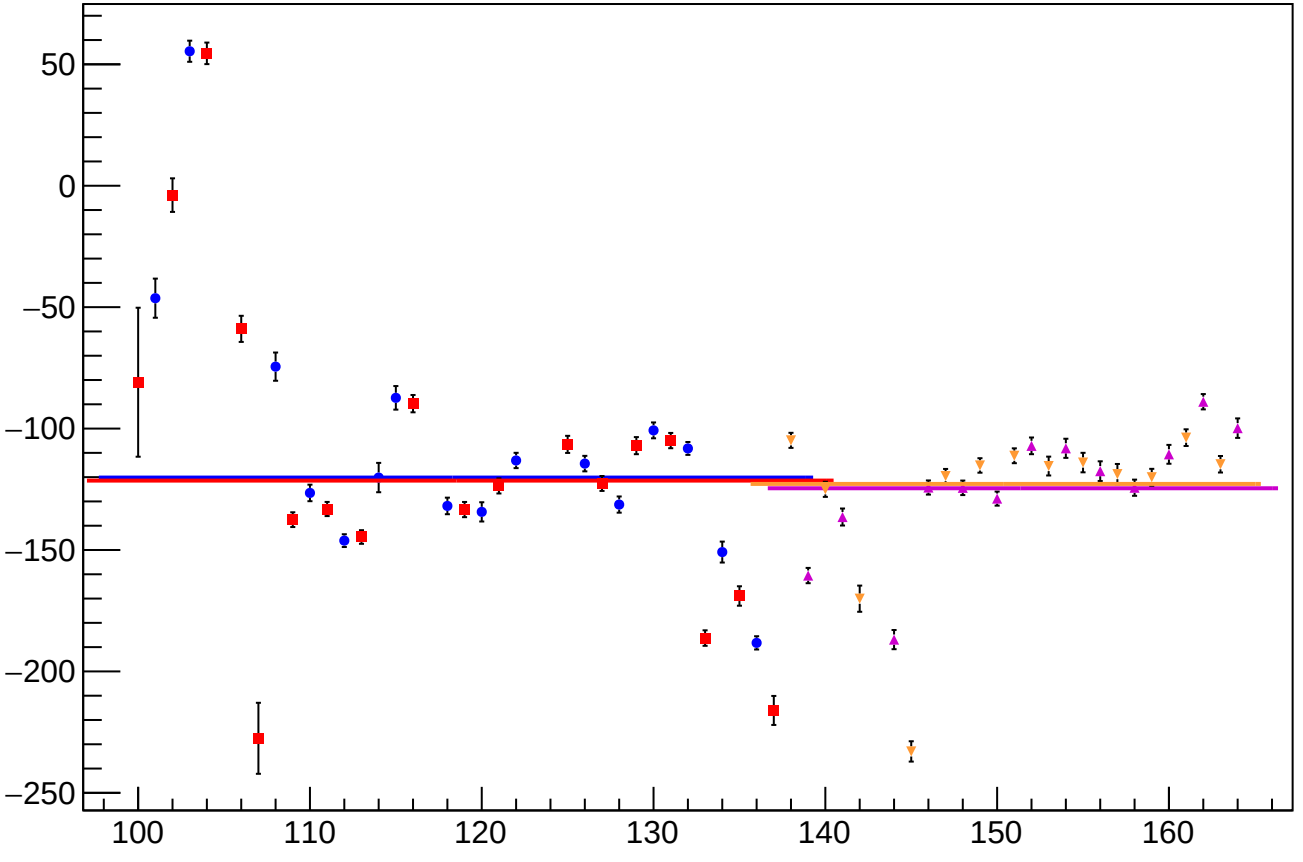
Left In: 108.304+/-0.043 χ^2/NDF:14980.6/12

+ sign 106.448+/-0.036 χ^2/NDF: 271453.2/29

All: 103.379+/-0.025 χ^2/NDF: 672969.6/61

- 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: -122.791+/-0.965 χ^2/NDF:871.6/12

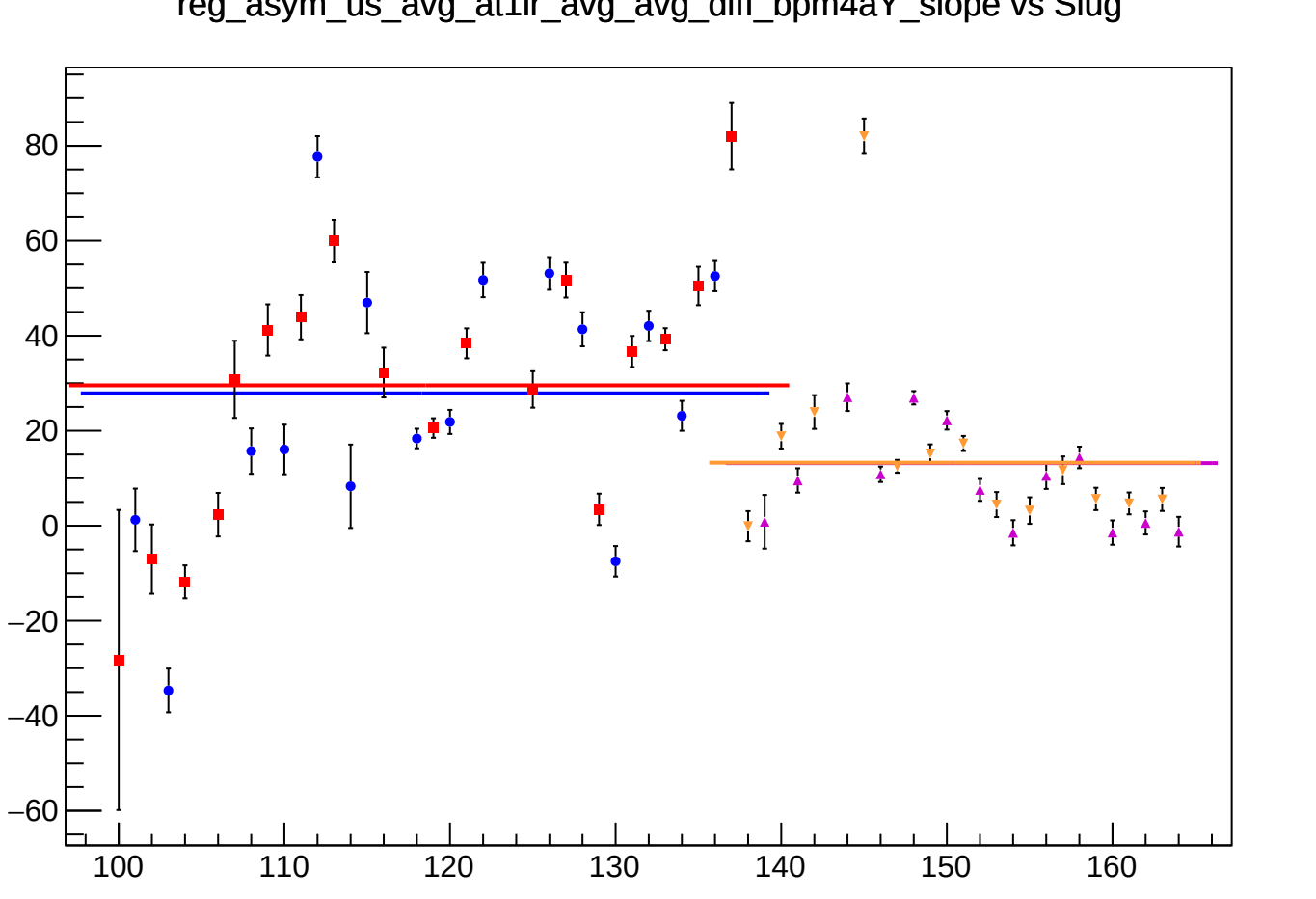
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -124.580+/-0.943 χ^2/NDF:617.6/12

+ sign -121.379+/-0.655 χ^2/NDF: 3566.7/28

All: -122.145+/-0.458 χ^2/NDF: 7319.4/59

- sign -122.881+/-0.642 χ^2/NDF: 3750.0/30



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 13.271+/-0.626 χ^2/NDF:441.1/12

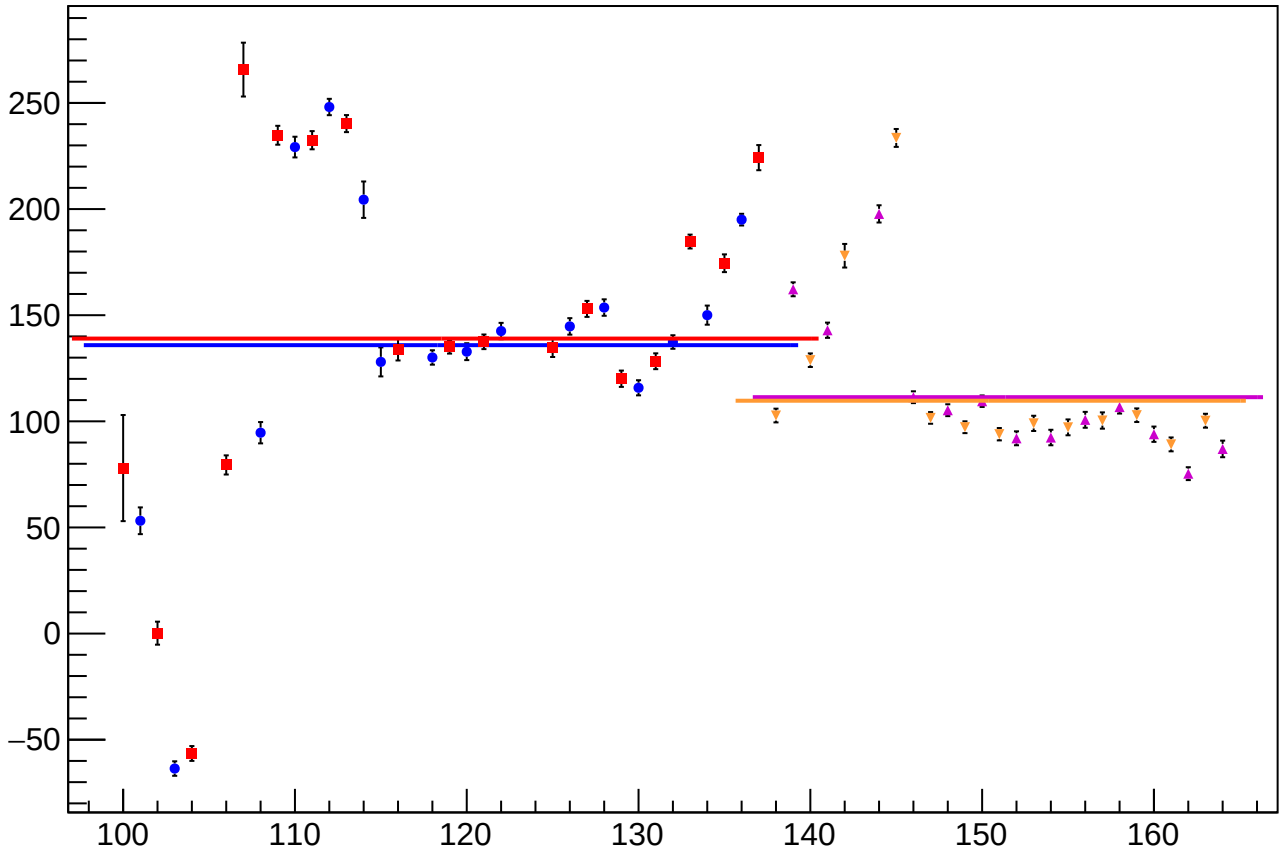
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.179+/-0.629 χ^2/NDF:266.8/12

+ sign 18.121+/-0.512 χ^2/NDF: 1321.2/28

All: 18.377+/-0.363 χ^2/NDF: 2311.8/59

- 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: 109.706+/-0.928 χ^2/NDF:1188.1/12

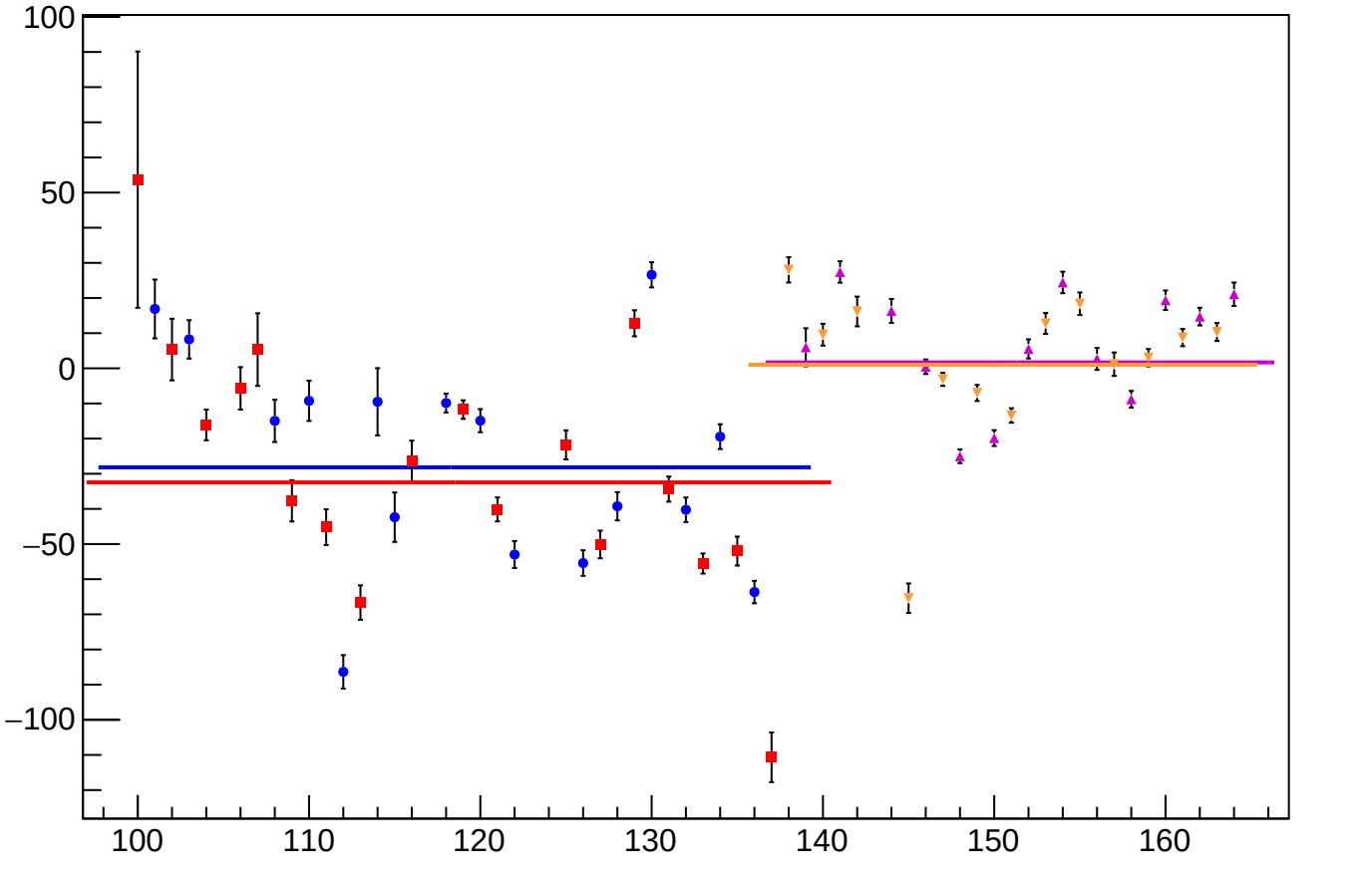
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 111.378+/-0.905 χ^2/NDF:1048.7/12

+ sign 121.839+/-0.680 χ^2/NDF: 7020.5/28

All: 122.852+/-0.477 χ^2/NDF: 14649.6/59

- 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: 1.015+/-0.746 χ^2/NDF:461.7/12

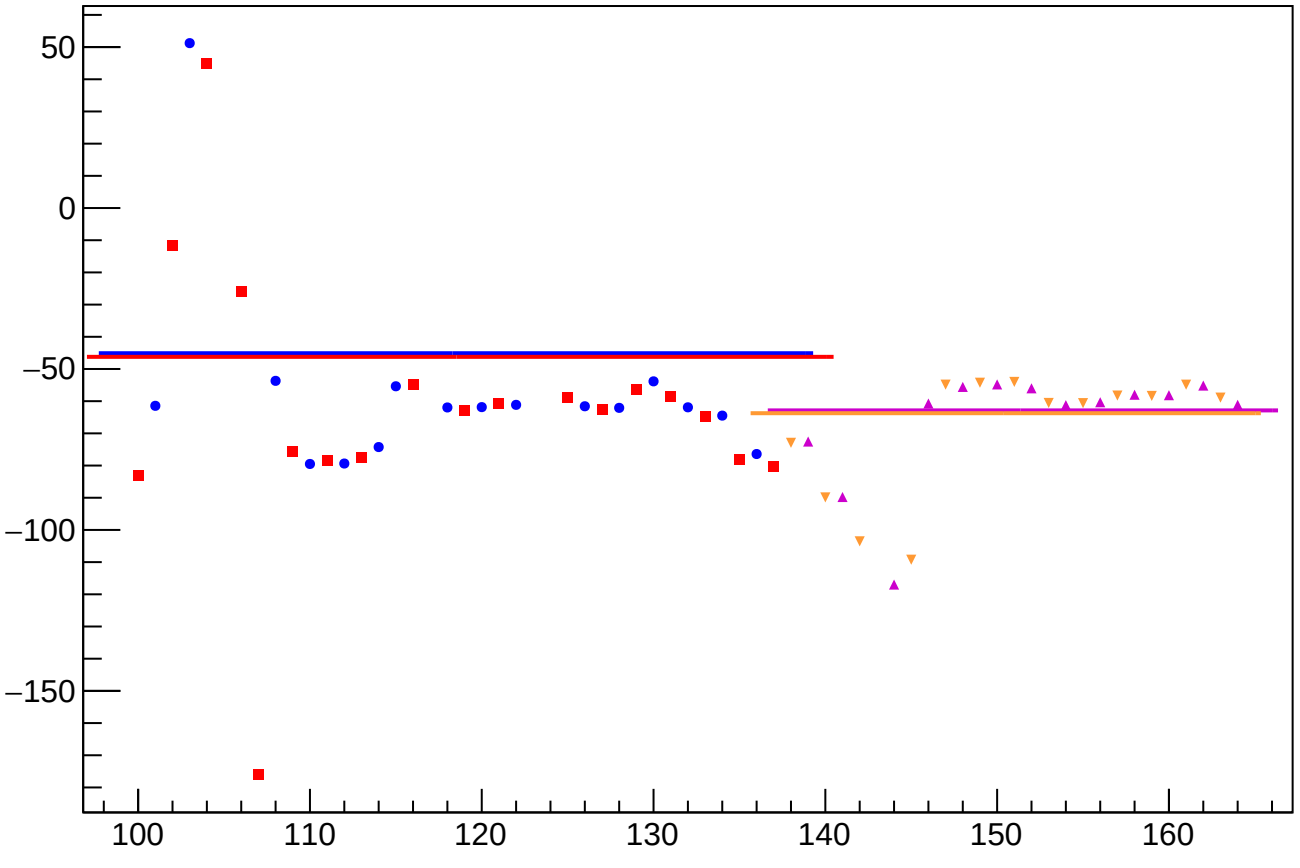
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.688+/-0.742 χ^2/NDF:545.6/12

+ sign -9.137+/-0.603 χ^2/NDF: 1784.7/28

All: -9.579+/-0.426 χ^2/NDF: 3638.2/59

- 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: -63.740+/-0.035 χ^2/NDF:176316.8/12

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

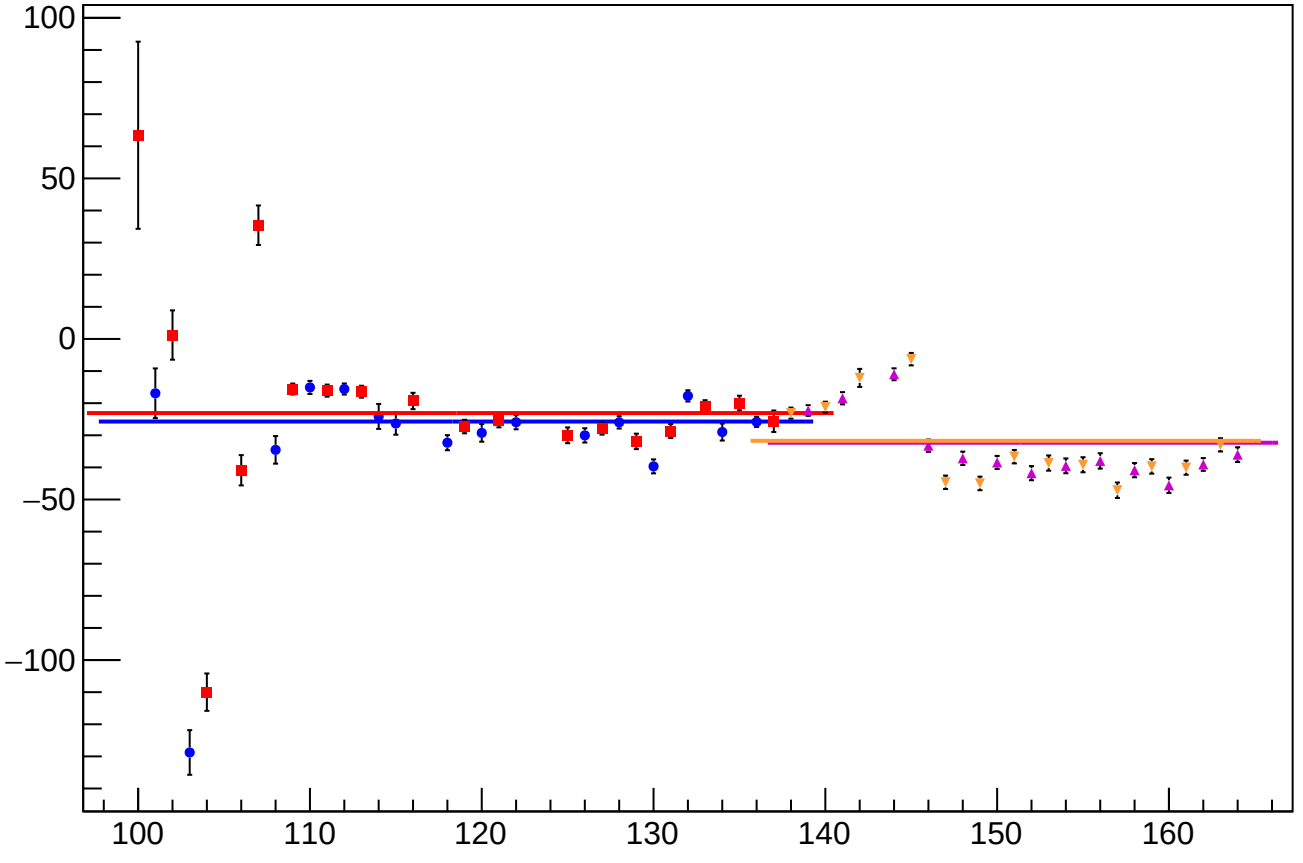
Left In: -62.867+/-0.034 χ^2/NDF:150306.0/12

+ sign -58.969+/-0.030 χ^2/NDF: 822942.4/28

All: -59.015+/-0.021 χ^2/NDF: 1521370.9/59

- 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: -31.722+/-0.585 χ^2/NDF:453.4/12

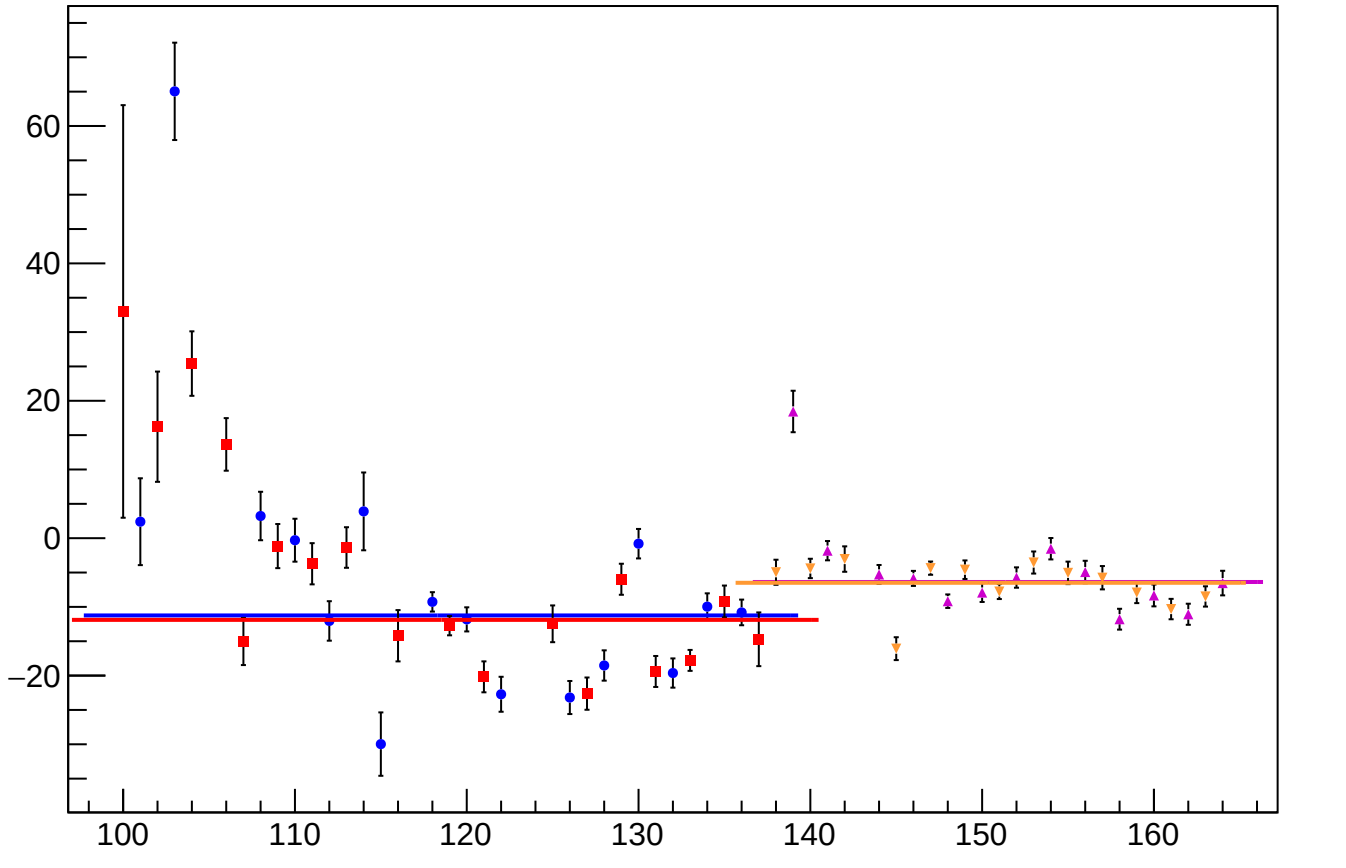
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.322+/-0.573 χ^2/NDF:328.5/12

+ sign -28.749+/-0.415 χ^2/NDF: 868.6/28

All: -28.254+/-0.291 χ^2/NDF: 1765.2/59

- 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: -6.492+/-0.396 χ^2/NDF:61.5/12

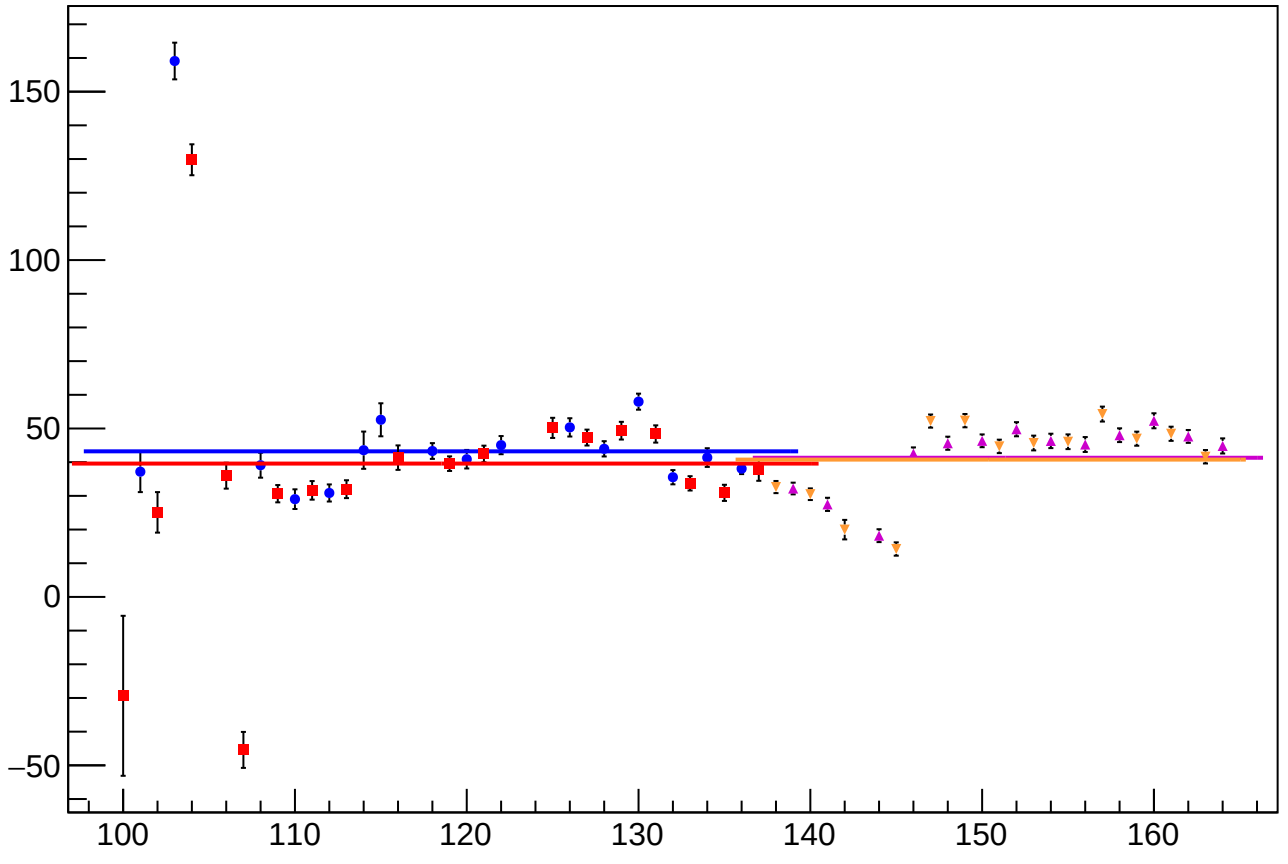
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.375+/-0.397 χ^2/NDF:122.6/12

\+ sign -7.937+/-0.331 χ^2/NDF: 376.2/28

All: -7.981+/-0.234 χ^2/NDF: 781.2/59

\- 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: 40.767+/-0.567 χ^2/NDF:429.5/12

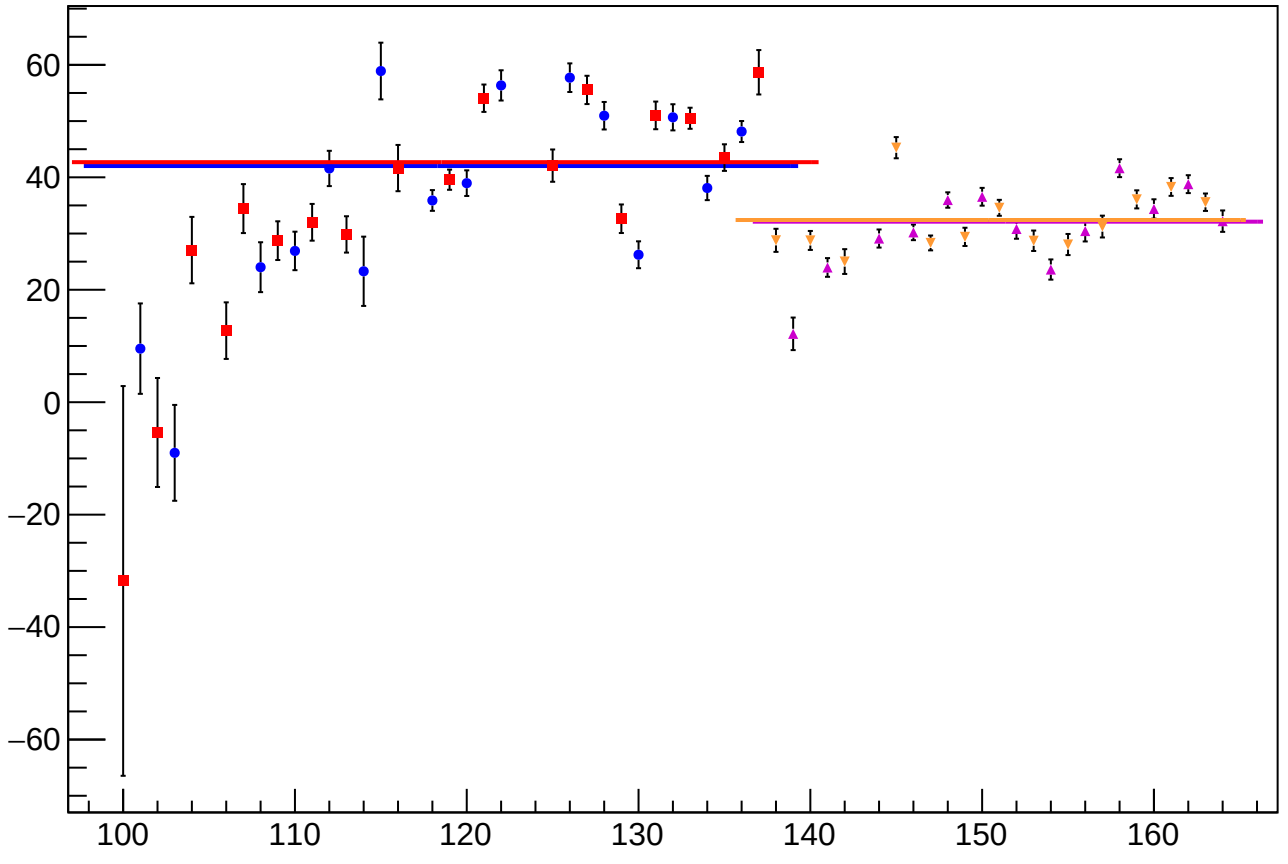
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.314+/-0.554 χ^2/NDF:309.3/12

+ sign 41.777+/-0.435 χ^2/NDF: 1013.2/28

All: 41.198+/-0.306 χ^2/NDF: 2083.8/59

- 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: 32.406+/-0.467 χ^2/NDF:113.9/12

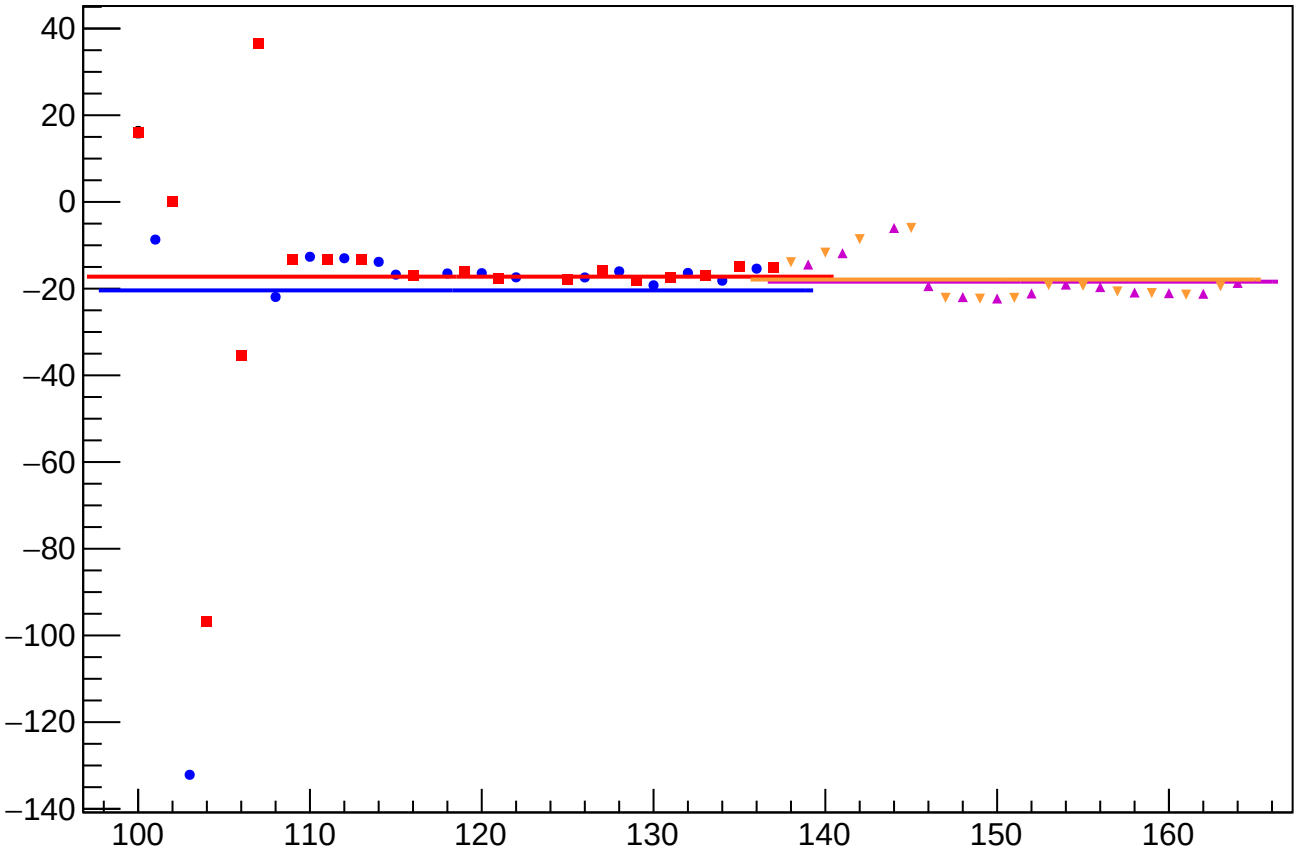
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.109+/-0.464 χ^2/NDF:171.3/12

\+ sign 35.462+/-0.386 χ^2/NDF: 521.0/28

All: 35.417+/-0.273 χ^2/NDF: 1083.3/59

\- 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: -17.901+/-0.021 χ^2/NDF:54006.8/12

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

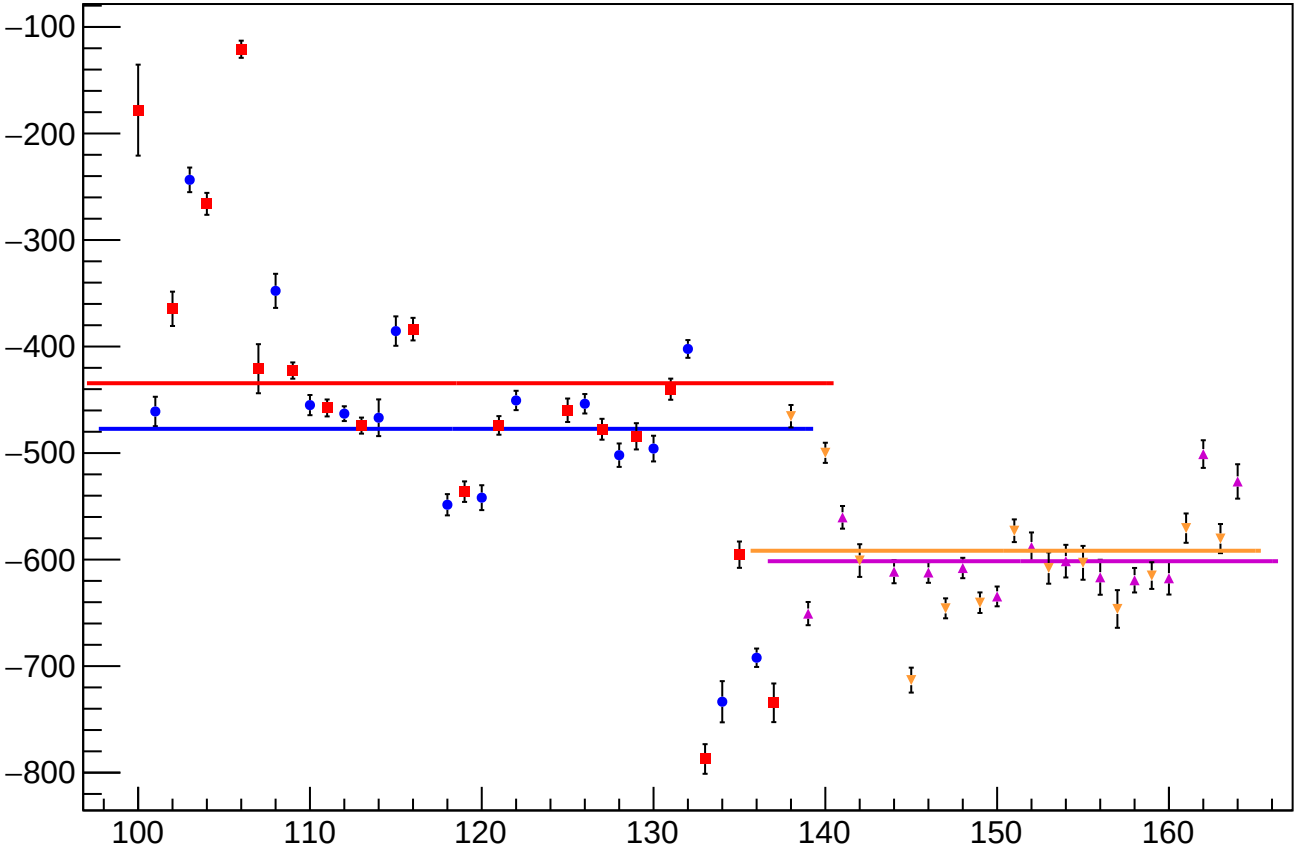
Left In: -18.392+/-0.021 χ^2/NDF:42234.0/12

+ sign -18.421+/-0.019 χ^2/NDF: 302446.9/28

All: -18.300+/-0.013 χ^2/NDF: 549980.3/59

- 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: -591.696+/-3.306 χ^2/NDF:426.5/12

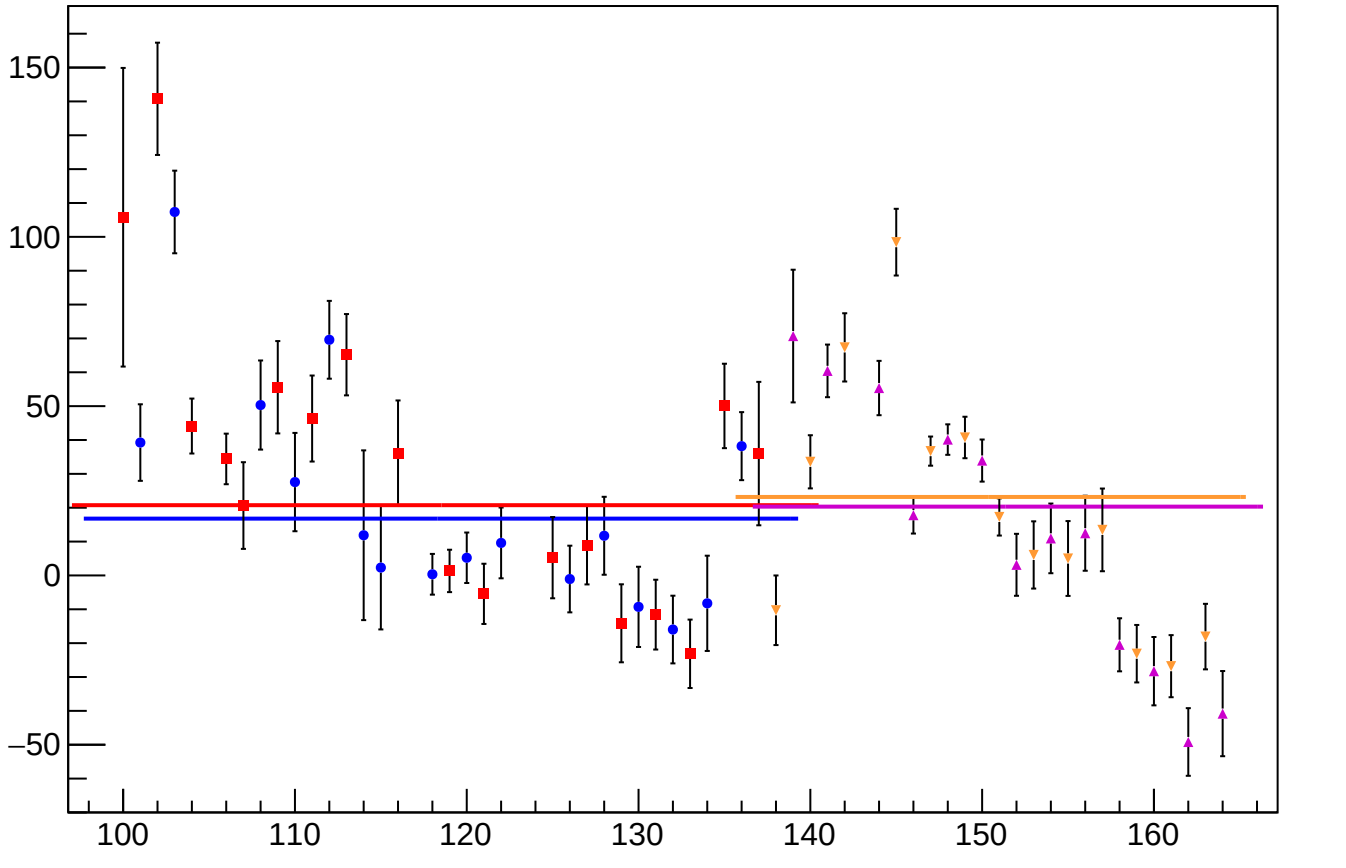
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -601.522+/-3.268 χ^2/NDF:137.2/12

+ sign -521.672+/-2.060 χ^2/NDF: 2670.5/28

All: -507.721+/-1.423 χ^2/NDF: 7724.0/59

- sign -494.993+/-1.967 χ^2/NDF: 4965.8/30



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 23.178+/-2.127 χ^2/NDF:193.1/12

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

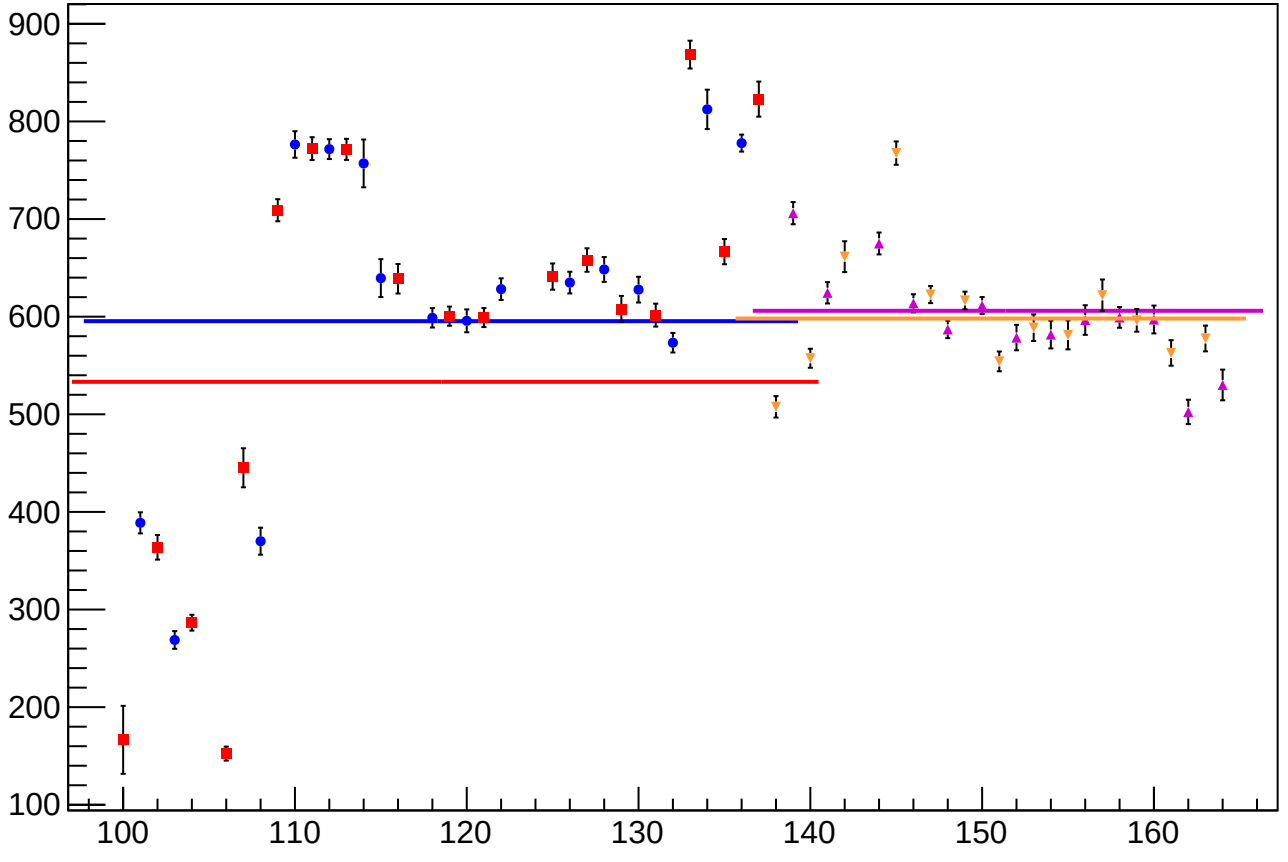
Left In: 20.320+/-2.153 χ^2/NDF:203.8/12

+ sign 20.677+/-1.660 χ^2/NDF: 321.6/28

All: 20.587+/-1.168 χ^2/NDF: 683.4/59

- sign 20.498+/-1.645 χ^2/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: 598.119+/-3.197 χ^2/NDF:346.6/12

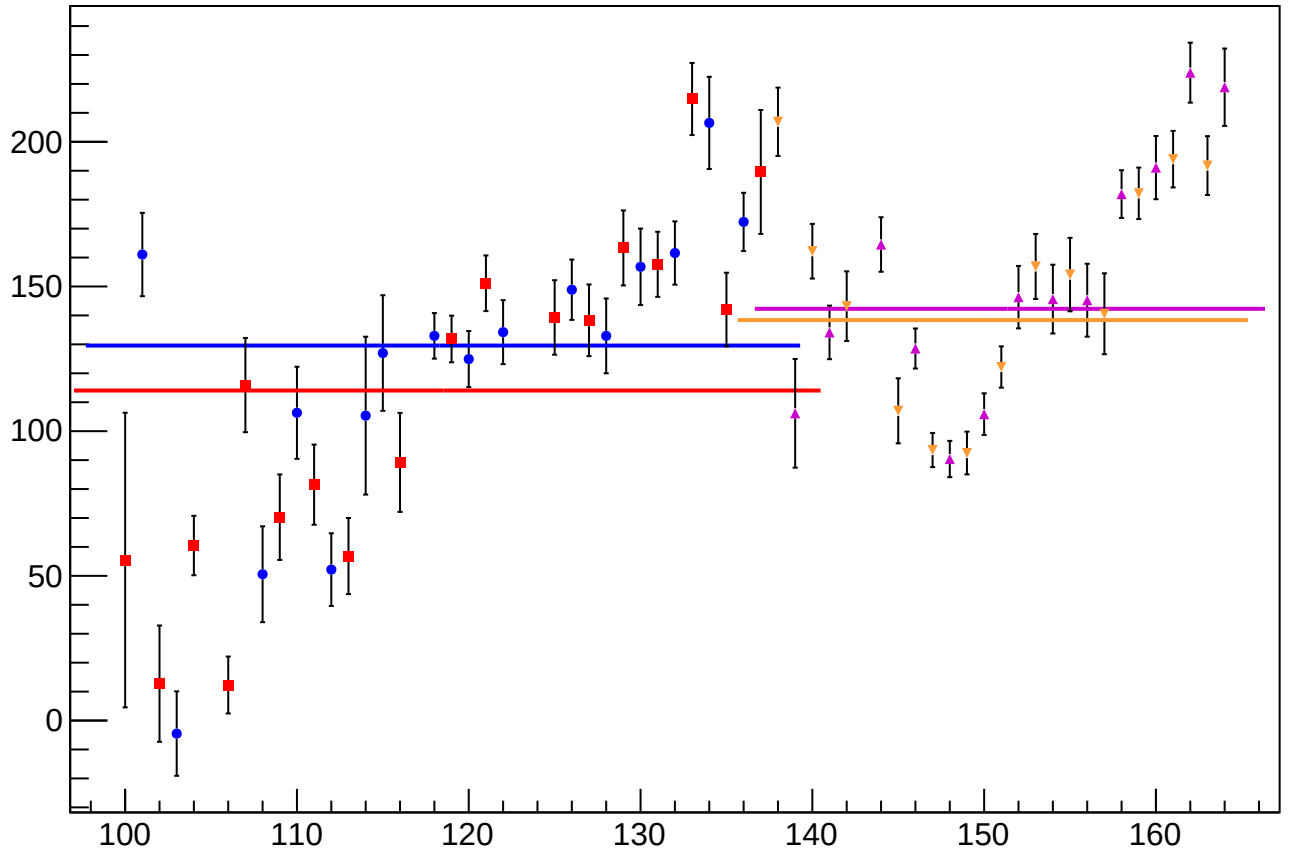
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 606.030+/-3.149 χ^2/NDF:224.5/12

+ sign 596.645+/-2.160 χ^2/NDF: 3406.8/28

All: 579.996+/-1.494 χ^2/NDF: 10551.2/59

- 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: 138.394+/-2.566 χ^2/NDF:238.2/12

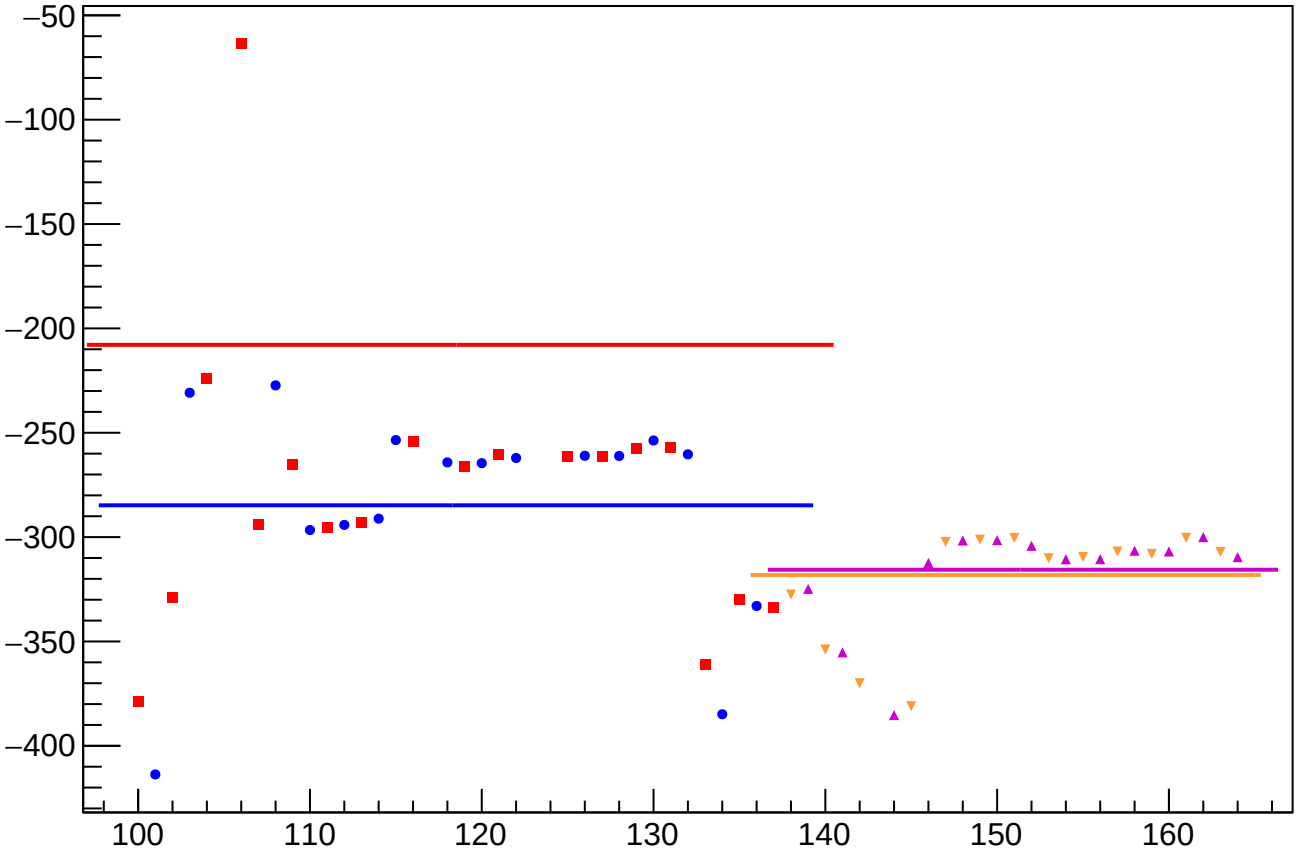
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 142.278+/-2.570 χ^2/NDF:246.3/12

+ sign 134.787+/-1.971 χ^2/NDF: 454.3/28

All: 132.472+/-1.385 χ^2/NDF: 1090.7/59

- 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: -318.132+/-0.124 χ^2/NDF:40491.7/12

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

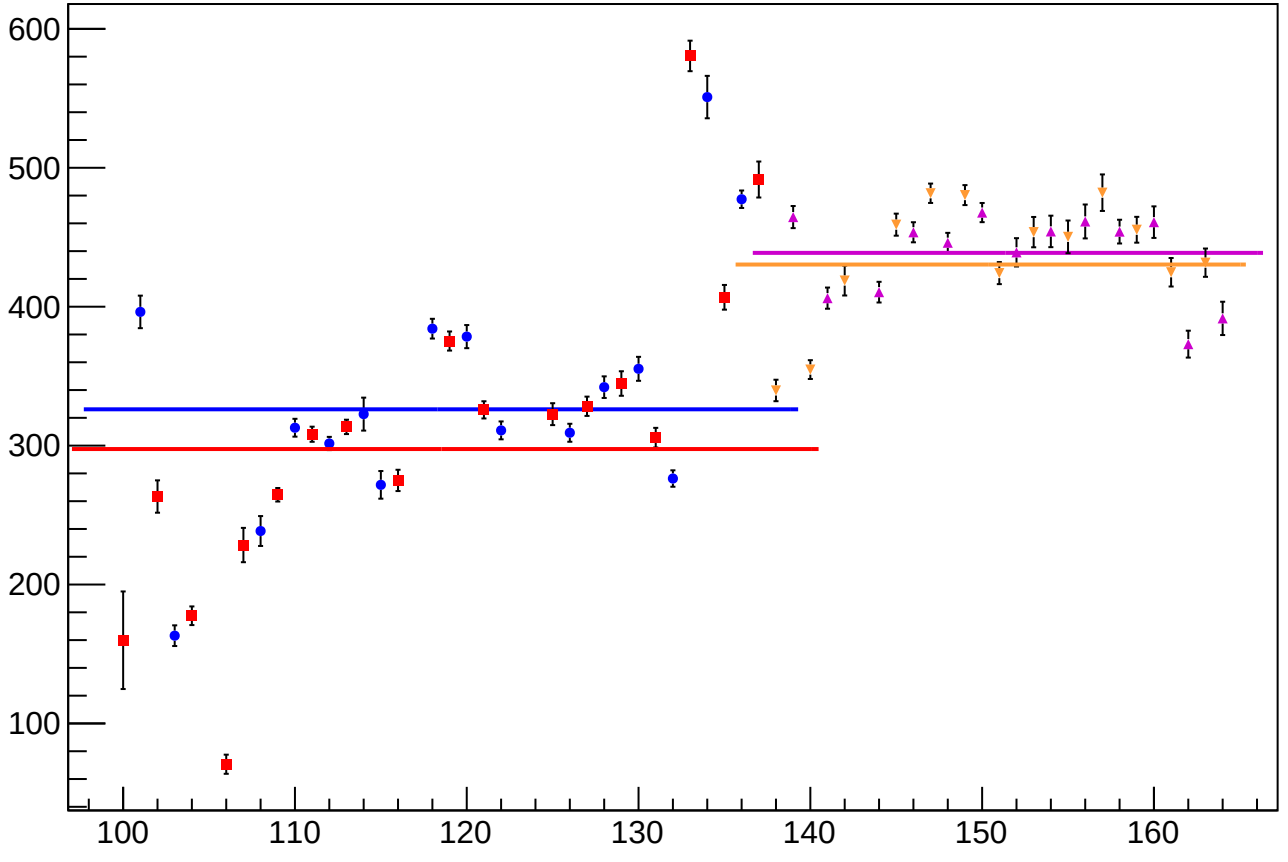
Left In: -315.629+/-0.121 χ^2/NDF:33664.5/12

+ sign -307.143+/-0.102 χ^2/NDF: 168547.4/28

All: -288.595+/-0.069 χ^2/NDF: 1116376.3/59

- 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: 430.355+/-2.418 χ^2/NDF:410.3/12

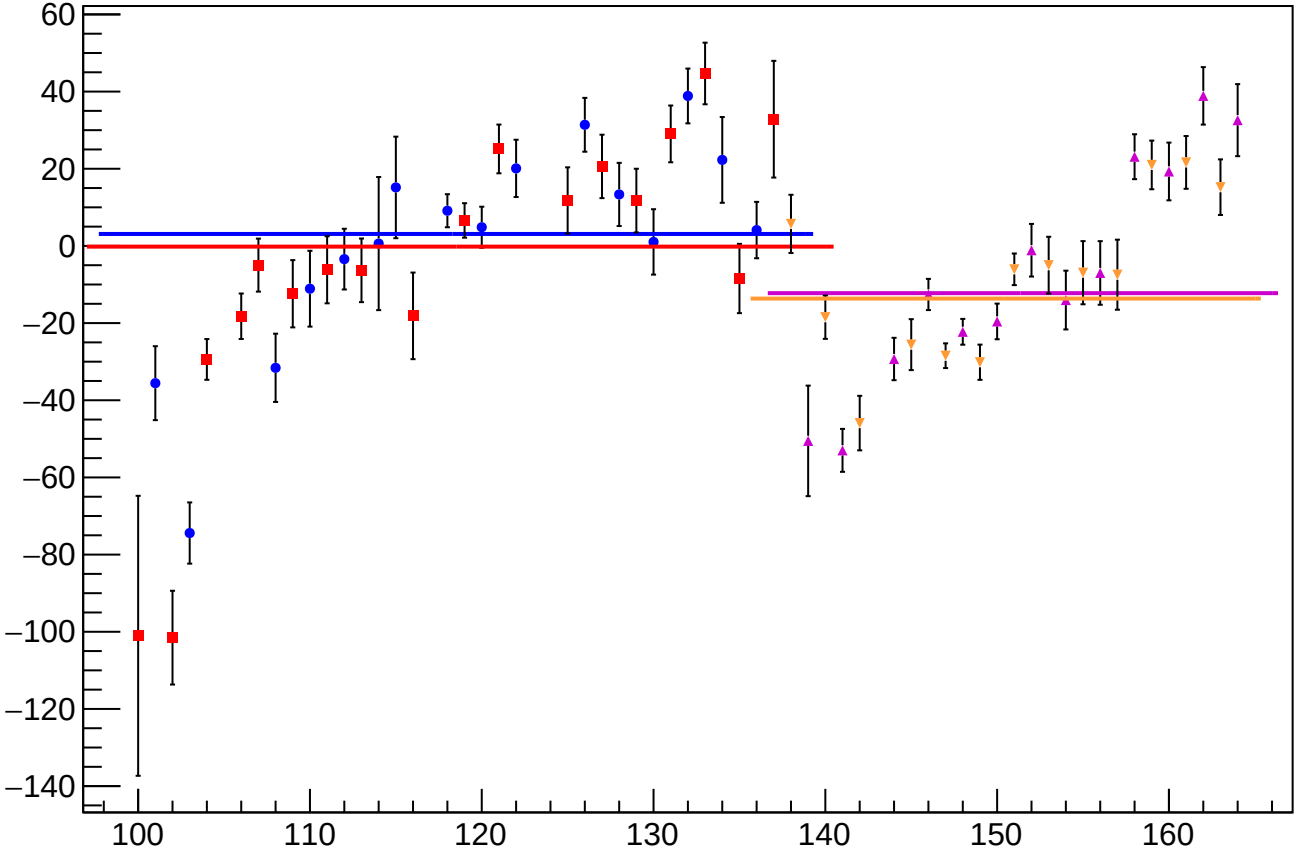
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 438.754+/-2.396 χ^2/NDF:139.9/12

\+ sign 364.787+/-1.473 χ^2/NDF: 3221.7/28

All: 355.004+/-1.017 χ^2/NDF: 8500.5/59

\- 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: -13.644+/-1.564 χ^2/NDF:144.7/12

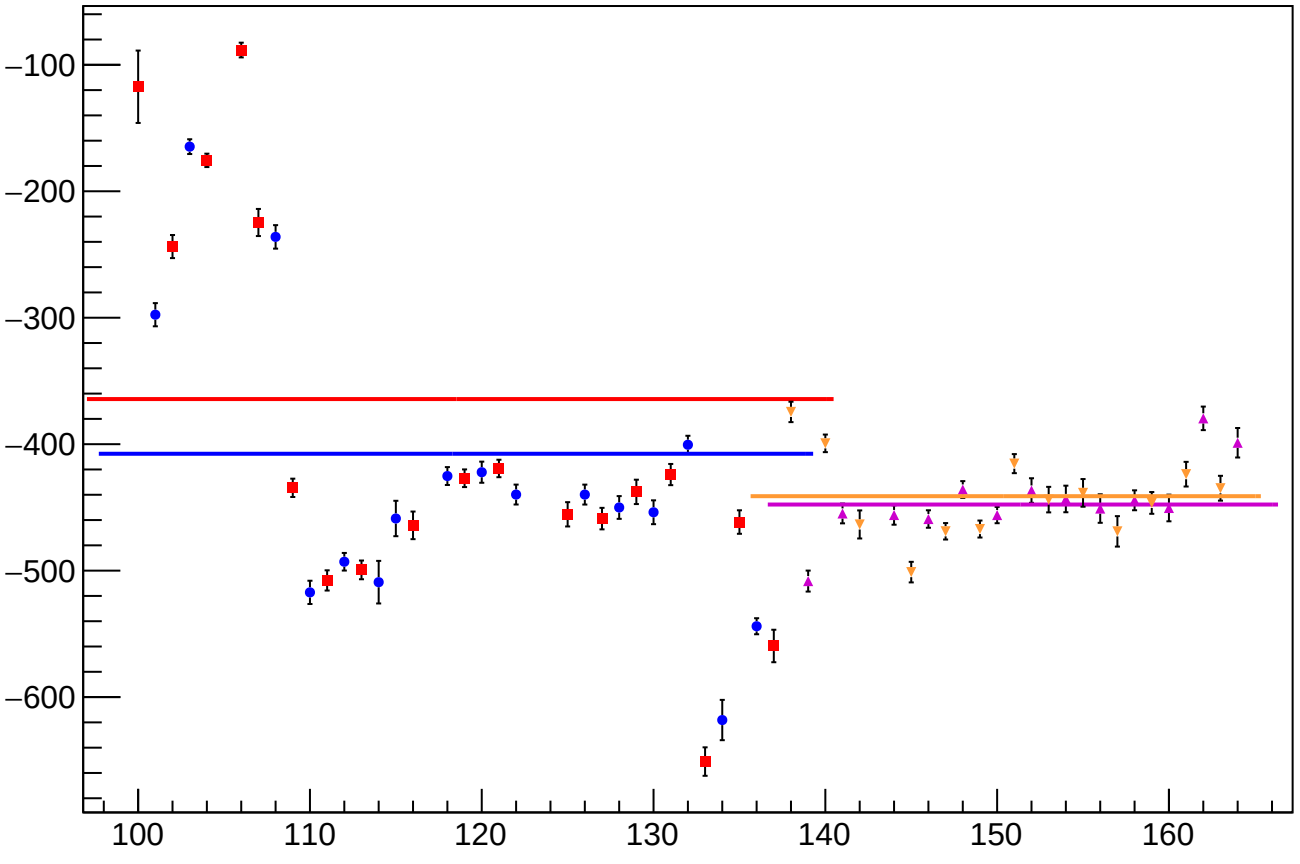
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -12.240+/-1.585 χ^2/NDF:209.9/12

+ sign -6.845+/-1.206 χ^2/NDF: 375.8/28

All: -6.895+/-0.846 χ^2/NDF: 816.3/59

- 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: -441.127+/-2.343 χ^2/NDF:217.2/12

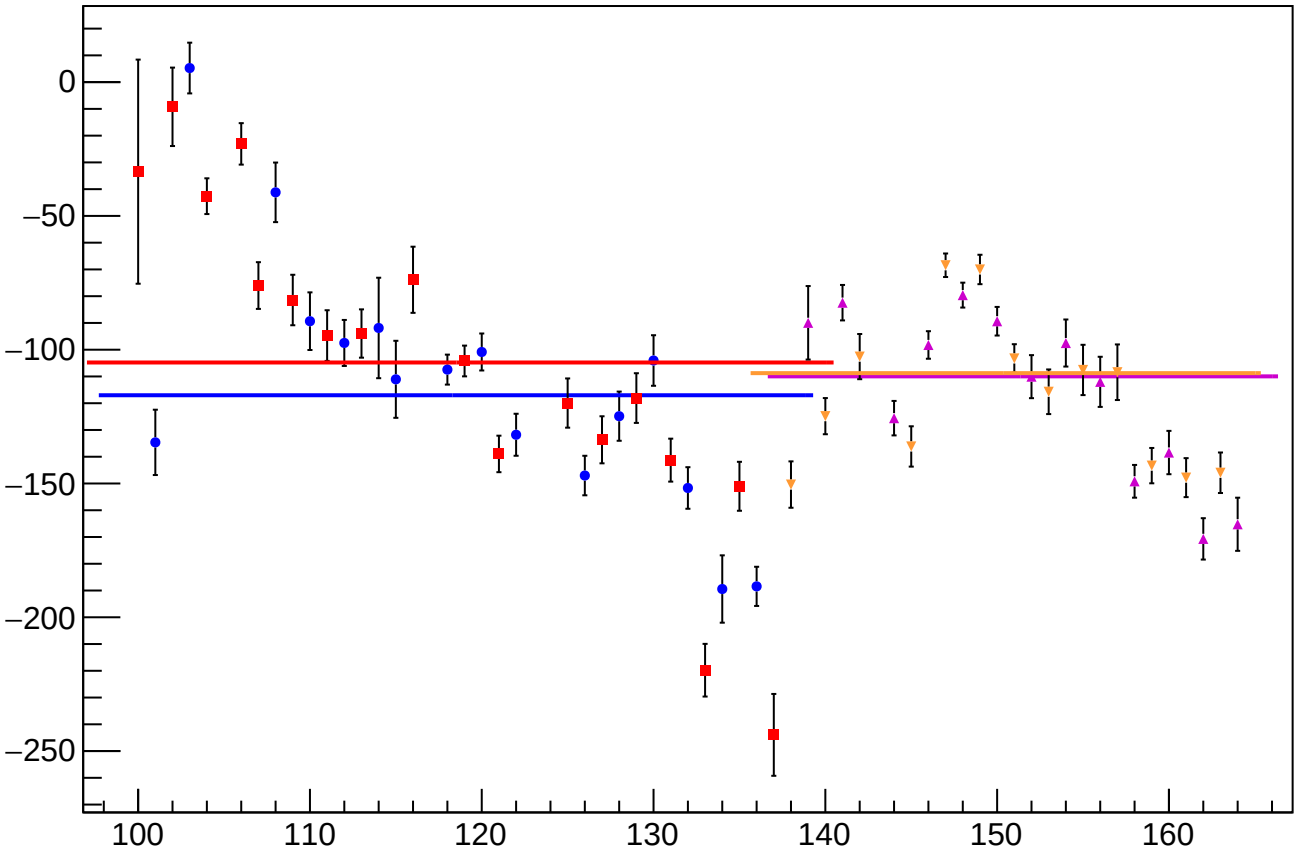
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -447.725+/-2.312 χ^2/NDF:135.8/12

\+ sign -422.312+/-1.553 χ^2/NDF: 3612.8/28

All: -410.061+/-1.074 χ^2/NDF: 10850.9/59

\- 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: -108.759+/-1.886 χ^2/NDF:258.4/12

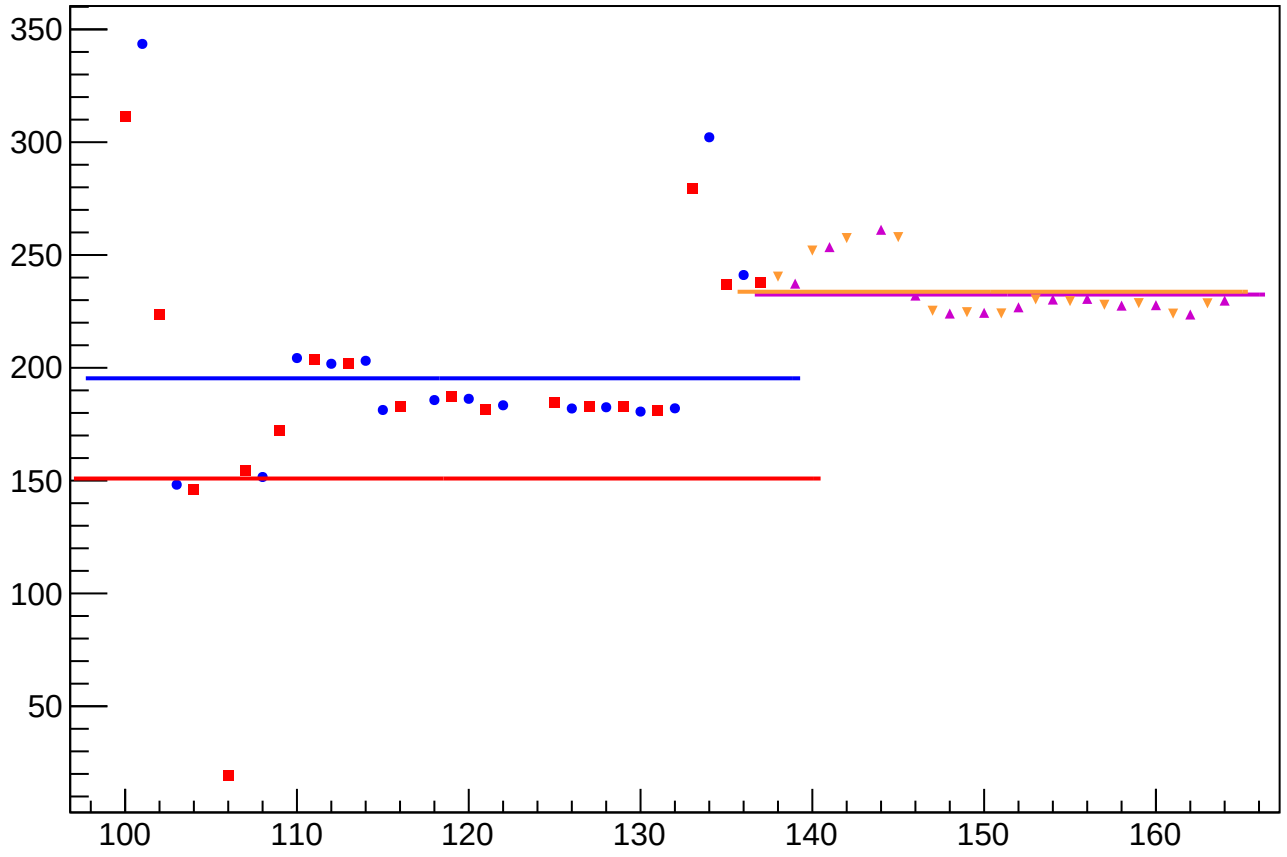
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -109.963+/-1.891 χ^2/NDF:236.1/12

+ sign -112.269+/-1.430 χ^2/NDF: 674.4/28

All: -109.904+/-1.001 χ^2/NDF: 1494.3/59

- 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: 233.718+/-0.091 χ^2/NDF:16887.0/12

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

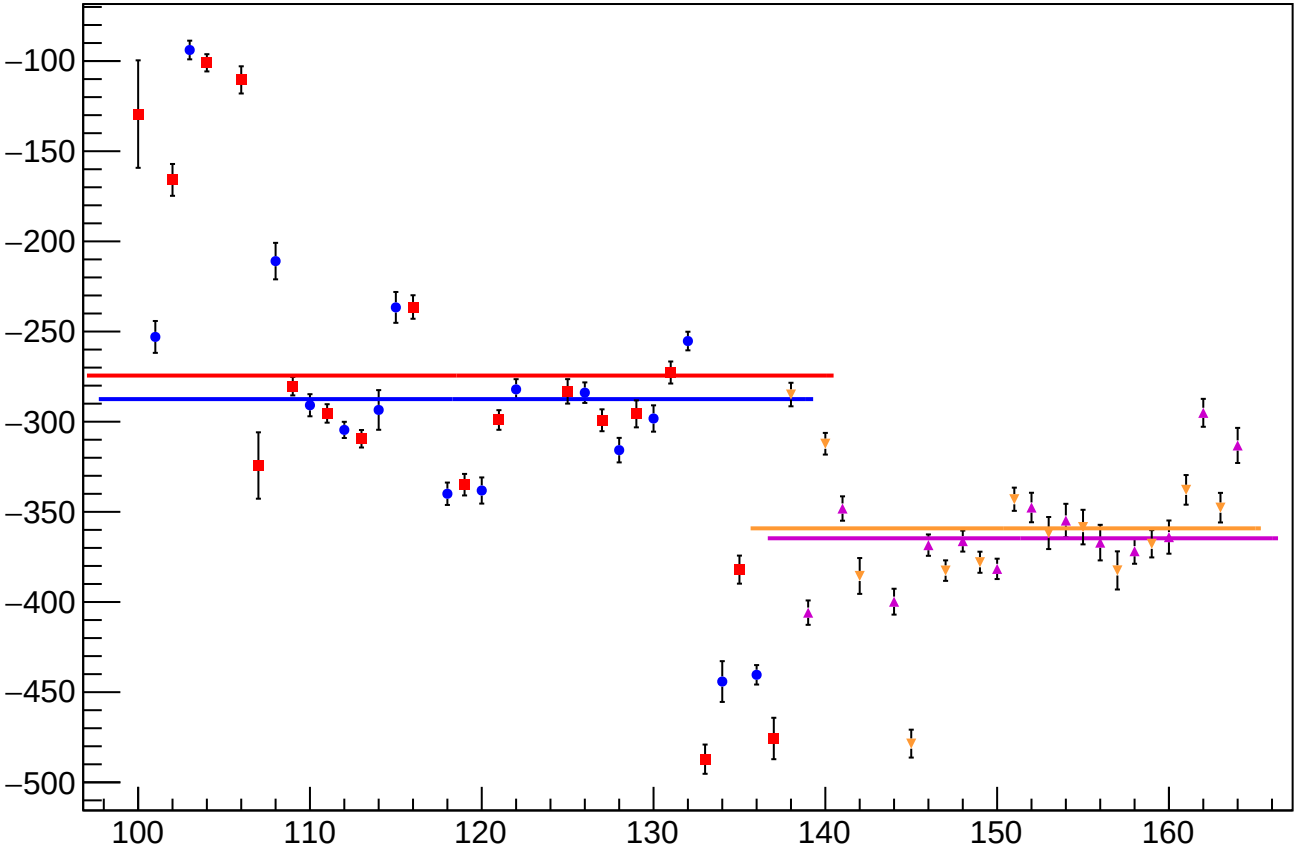
Left In: 232.471+/-0.089 χ^2/NDF:15012.6/12

+ sign 220.310+/-0.074 χ^2/NDF: 255512.6/28

All: 209.702+/-0.050 χ^2/NDF: 1140818.1/59

- sign 200.363+/-0.069 χ^2/NDF: 846326.9/30

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.149+/-2.033 χ^2/NDF:484.2/12

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

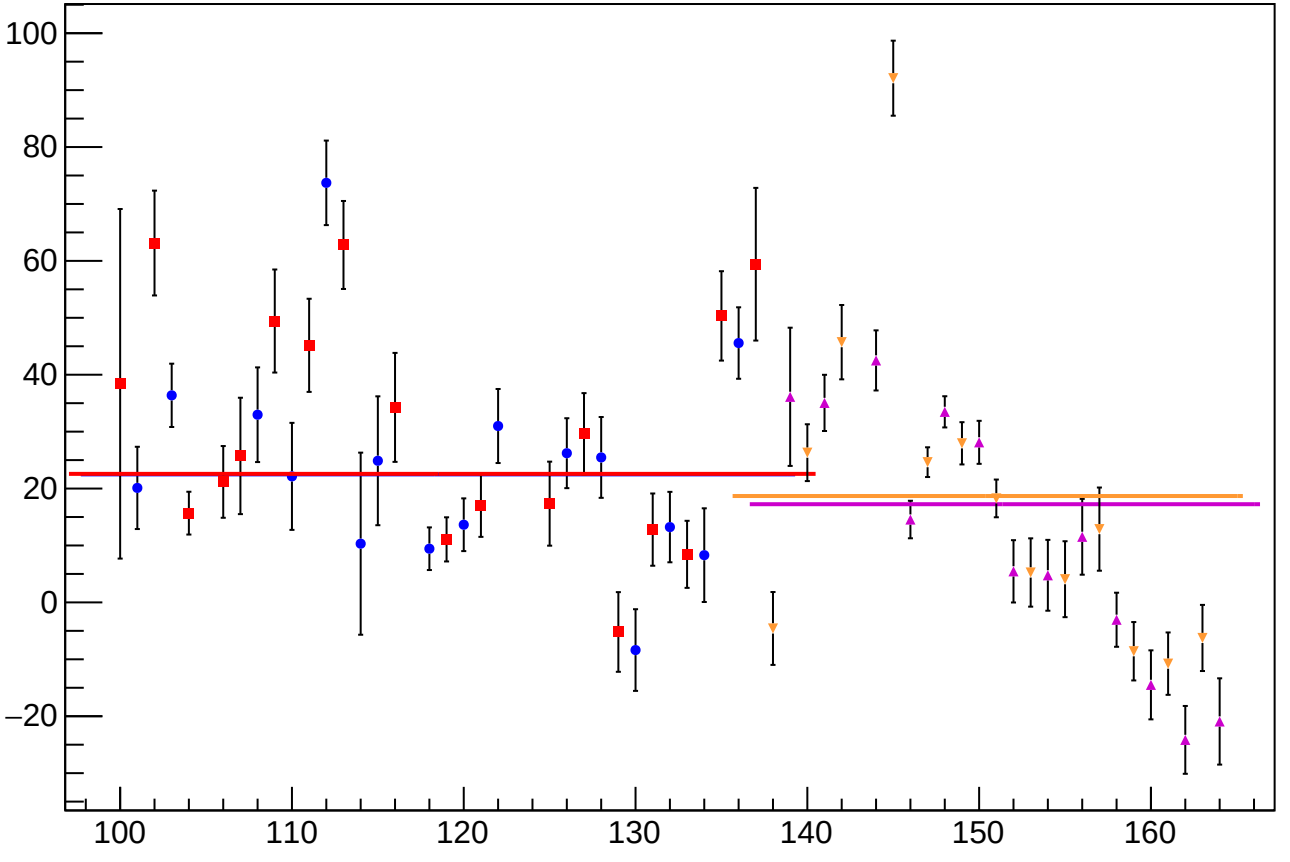
Left In: -364.659+/-2.004 χ^2/NDF:191.9/12

+ sign -315.128+/-1.263 χ^2/NDF: 3944.1/28

All: -311.581+/-0.880 χ^2/NDF: 8832.8/59

- 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: 18.688+/-1.301 χ^2/NDF:254.1/12

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

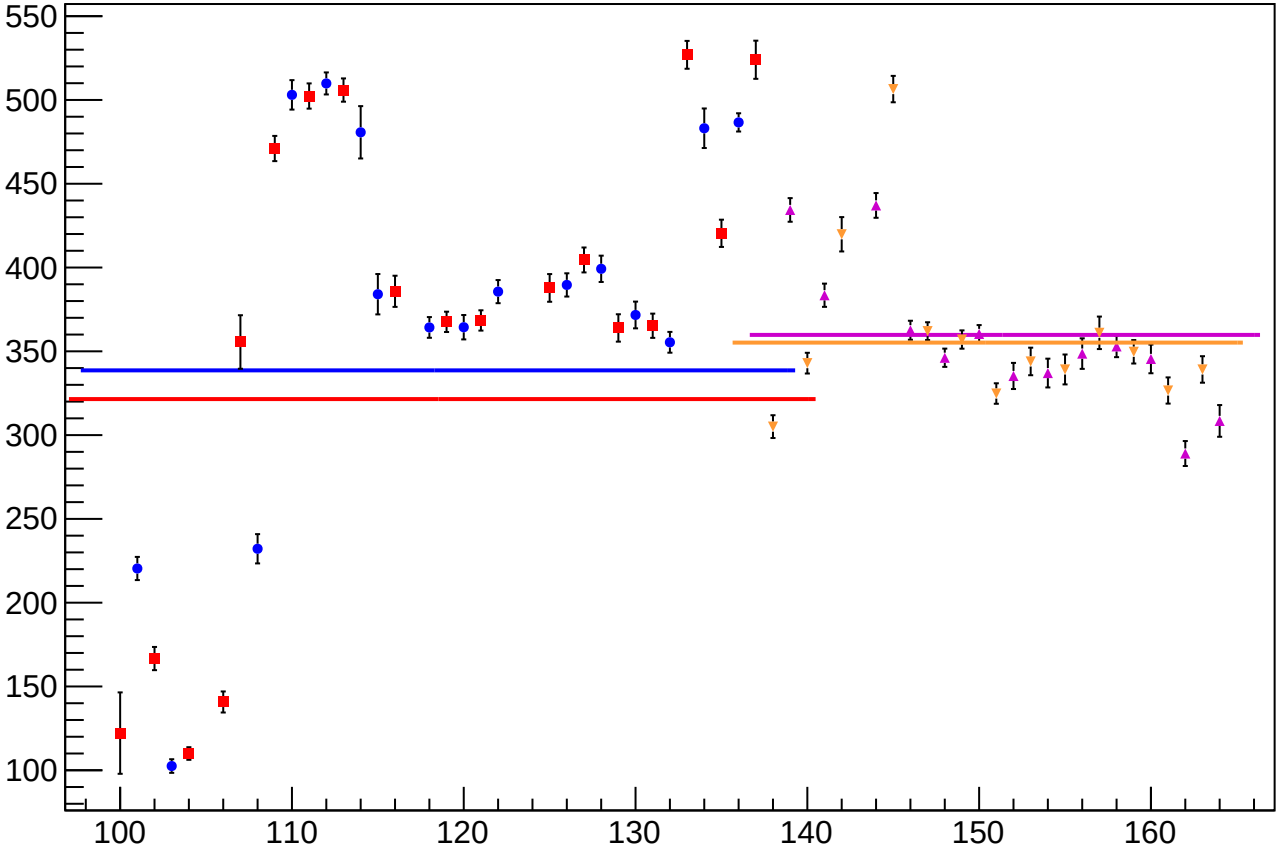
Left In: 17.250+/-1.316 χ^2/NDF:211.0/12

+ sign 20.178+/-1.014 χ^2/NDF: 368.9/28

All: 19.812+/-0.715 χ^2/NDF: 710.3/59

- 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: 355.201+/-1.961 χ^2/NDF:516.9/12

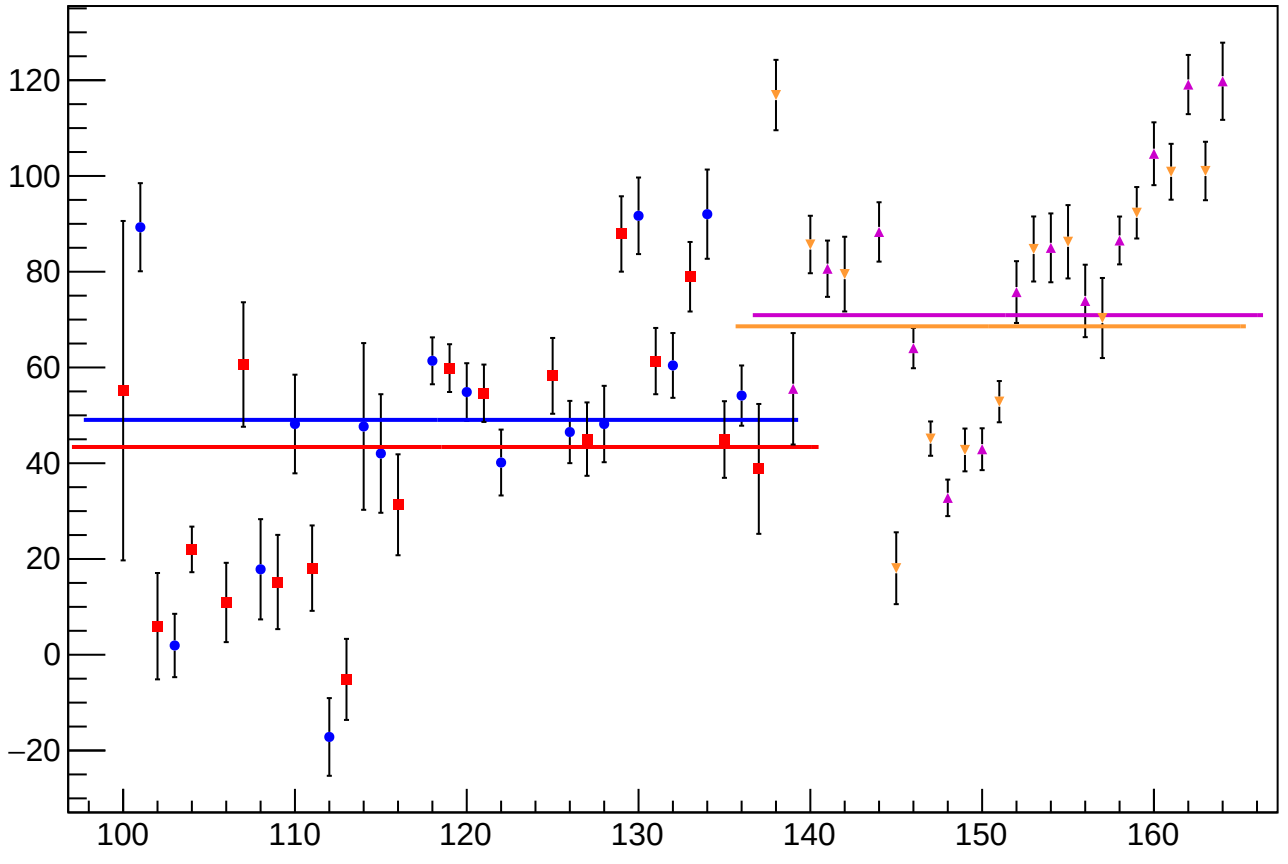
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 359.798+/-1.928 χ^2/NDF:381.5/12

\+ sign 345.970+/-1.305 χ^2/NDF: 6599.4/28

All: 341.983+/-0.911 χ^2/NDF: 14942.6/59

\- 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: 68.596+/-1.569 χ^2/NDF:277.4/12

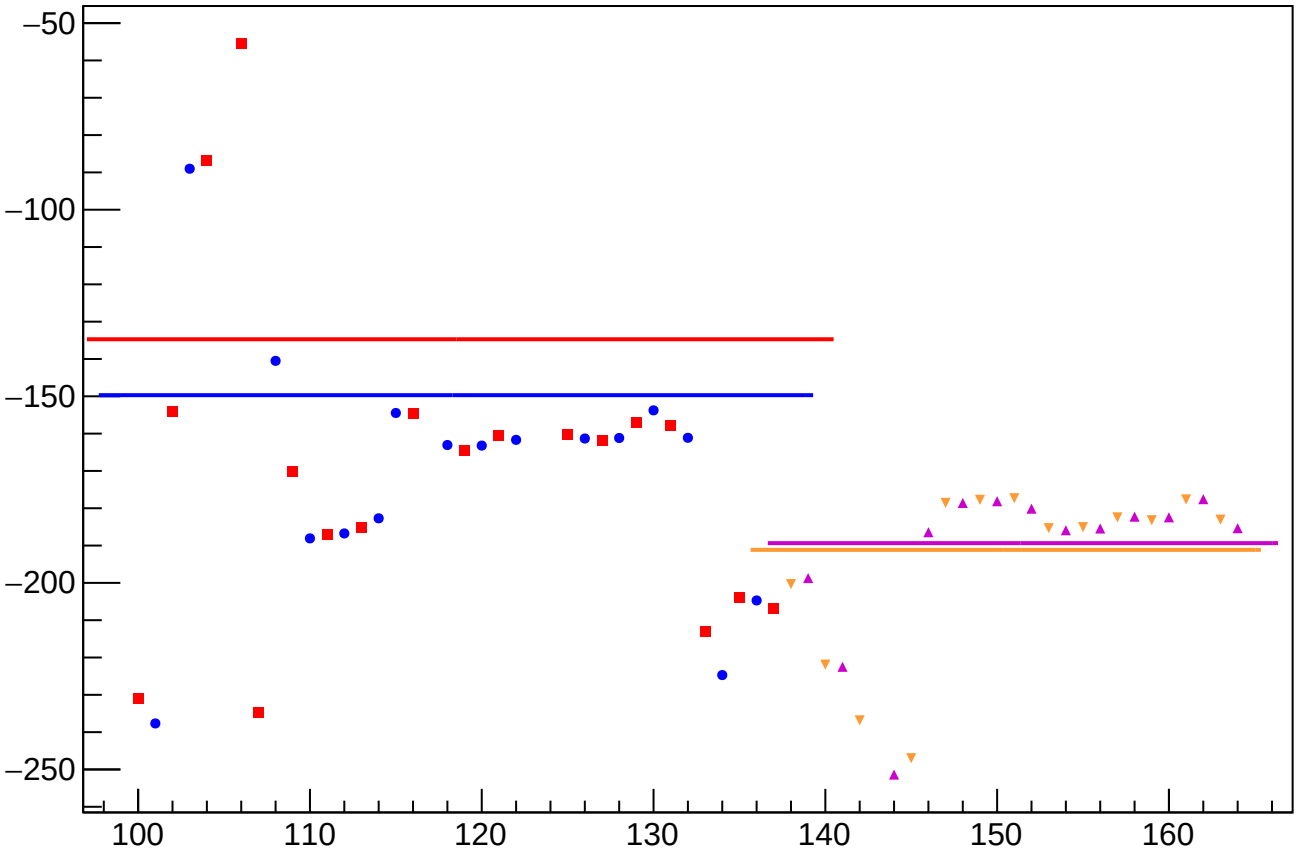
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 70.928+/-1.570 χ^2/NDF:294.2/12

+ sign 60.583+/-1.205 χ^2/NDF: 549.0/28

All: 59.924+/-0.848 χ^2/NDF: 1153.8/59

- 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: -191.149+/-0.076 χ^2/NDF:72799.4/12

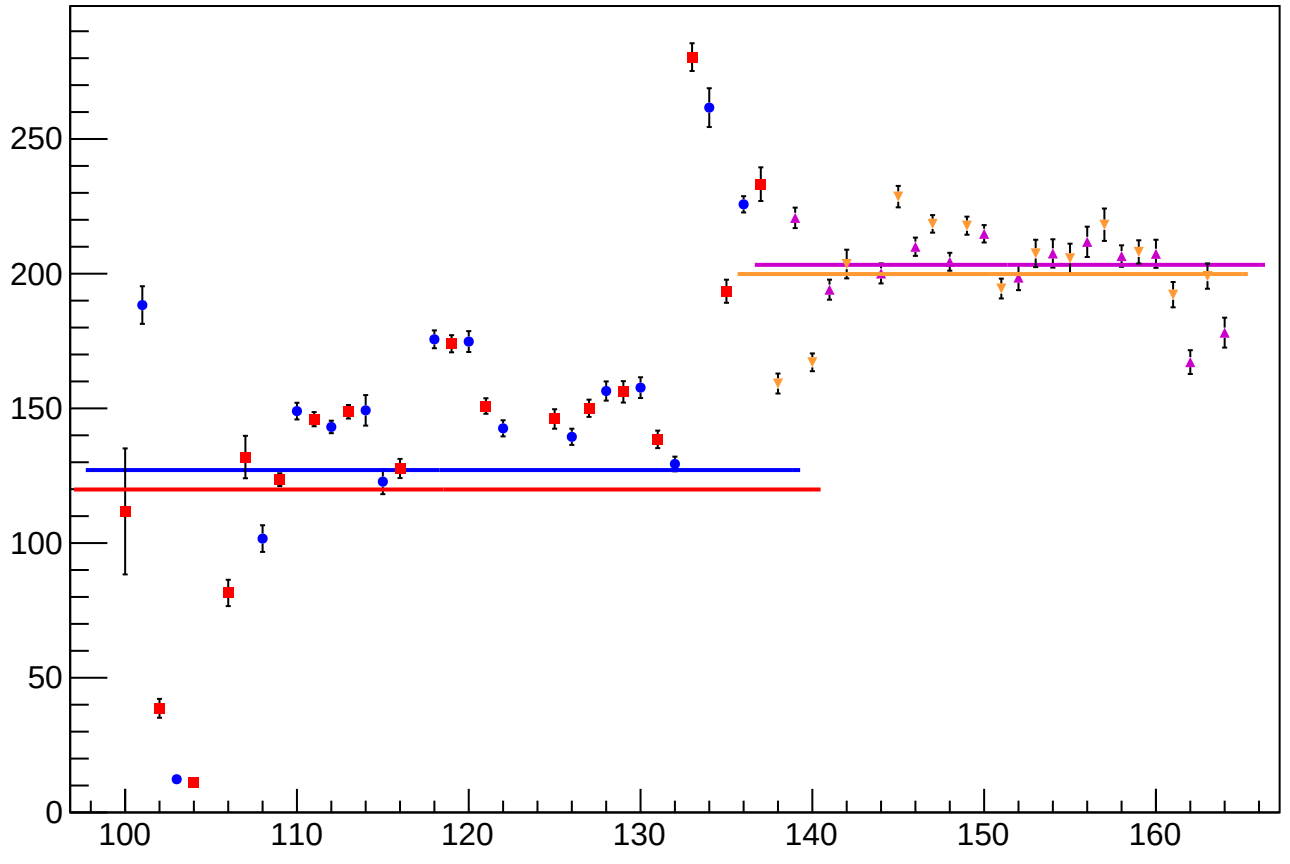
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.347+/-0.074 χ^2/NDF:60137.6/12

+ sign -176.101+/-0.061 χ^2/NDF: 436940.7/28

All: -172.615+/-0.042 χ^2/NDF: 1017283.3/59

- 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: 199.866+/-1.144 χ^2/NDF:353.7/12

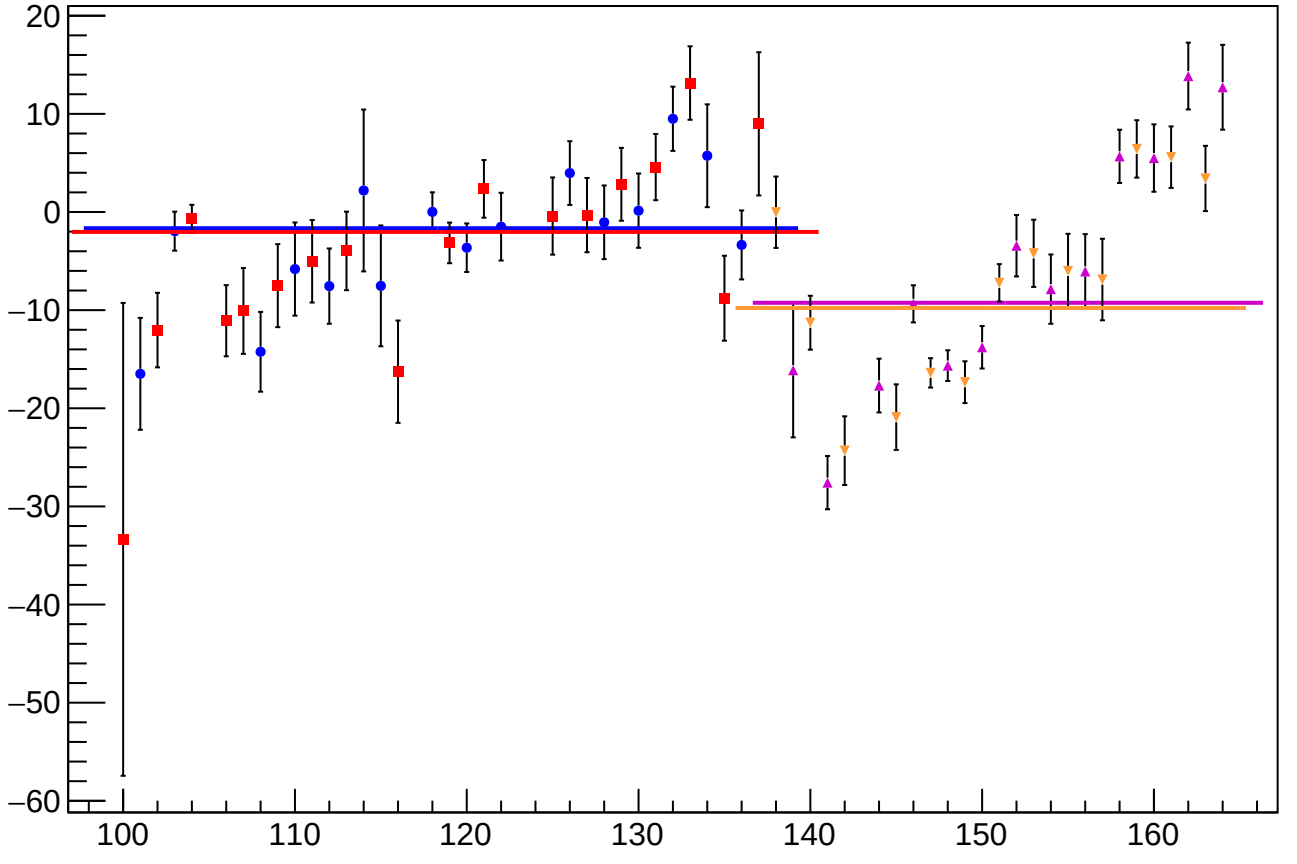
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 203.284+/-1.129 χ^2/NDF:137.1/12

+ sign 151.433+/-0.662 χ^2/NDF: 9210.1/28

All: 148.903+/-0.459 χ^2/NDF: 19734.4/59

- sign 146.547+/-0.639 χ^2/NDF: 10496.0/30



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -9.776+/-0.736 χ^2/NDF:144.4/12

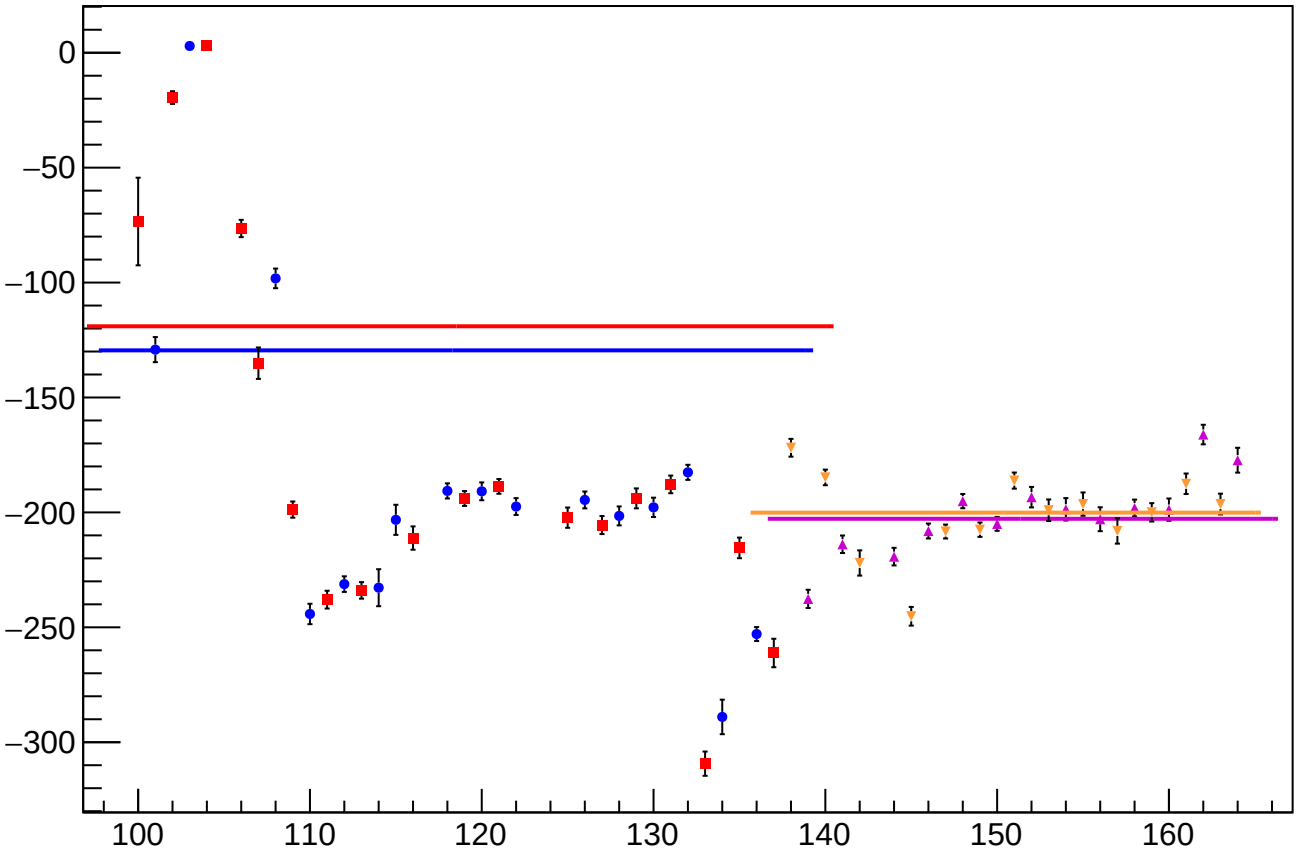
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -9.251+/-0.745 χ^2/NDF:202.1/12

\+ sign -6.211+/-0.552 χ^2/NDF: 236.9/28

All: -5.980+/-0.384 χ^2/NDF: 543.4/59

\- sign -5.761+/-0.535 χ^2/NDF: 306.1/30



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.088+/-1.106 χ^2/NDF:252.1/12

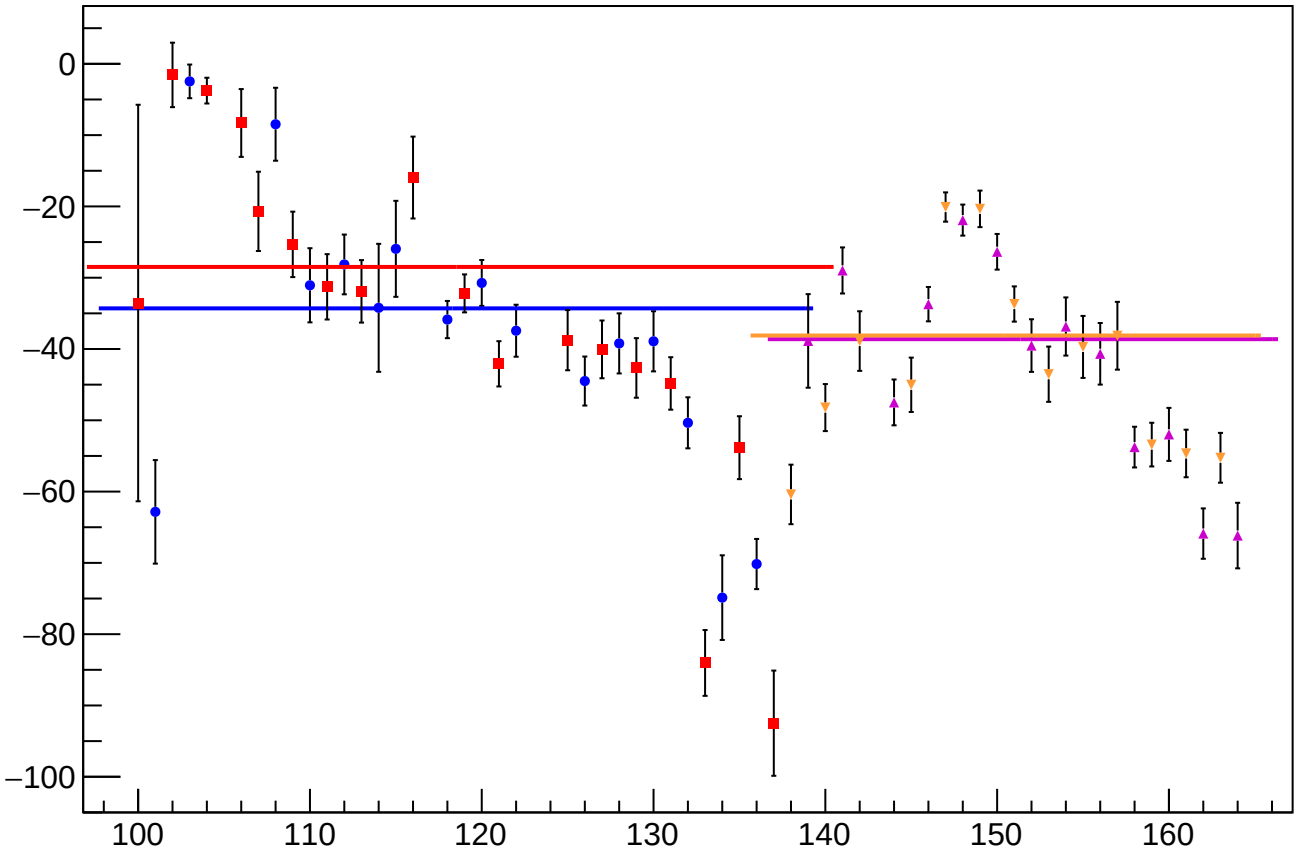
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -202.779+/-1.088 χ^2/NDF:217.5/12

+ sign -155.576+/-0.672 χ^2/NDF: 17509.7/28

All: -152.193+/-0.468 χ^2/NDF: 37756.4/59

- 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: -38.105+/-0.887 χ^2/NDF:245.2/12

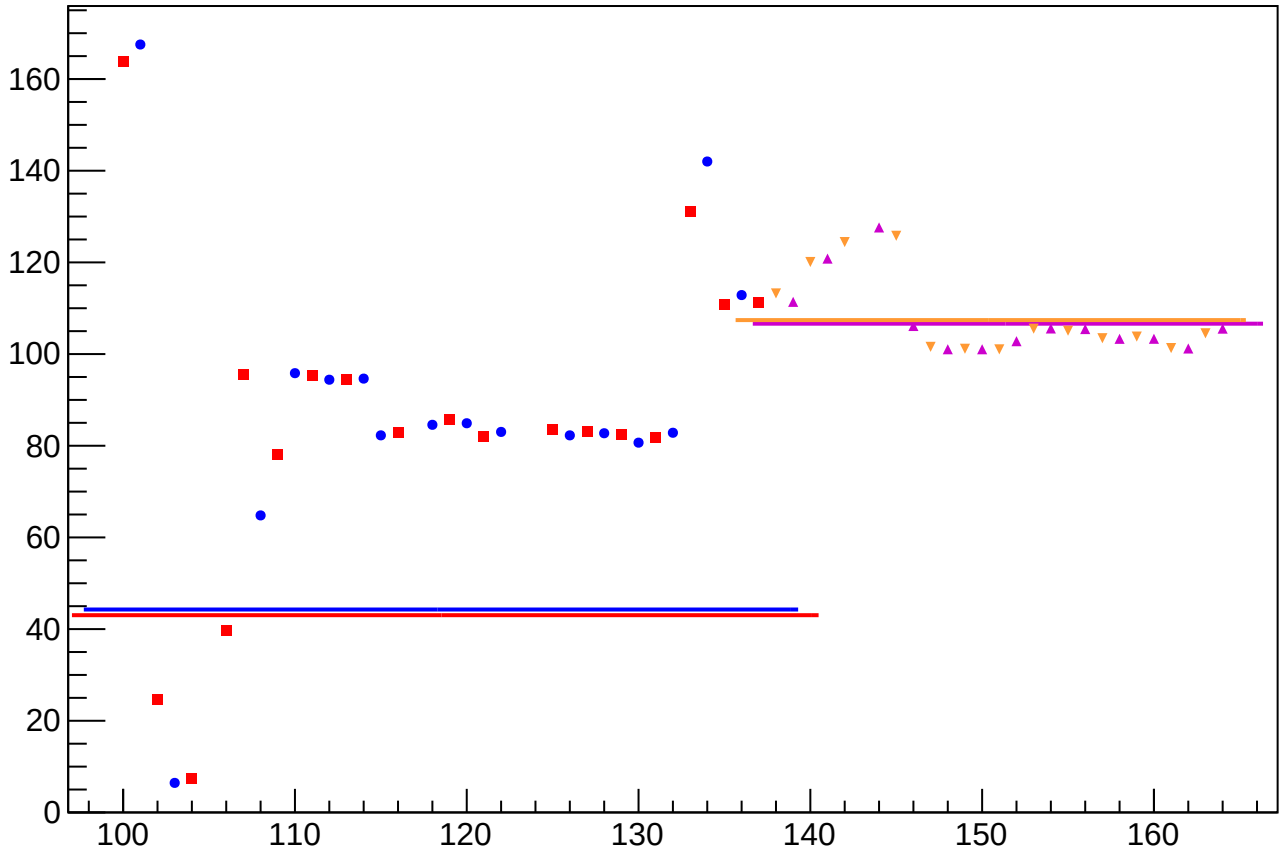
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.621+/-0.888 χ^2/NDF:240.5/12

+ sign -36.368+/-0.654 χ^2/NDF: 664.9/28

All: -34.973+/-0.455 χ^2/NDF: 1545.9/59

- 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: 107.411+/-0.043 χ^2/NDF:36615.2/12

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

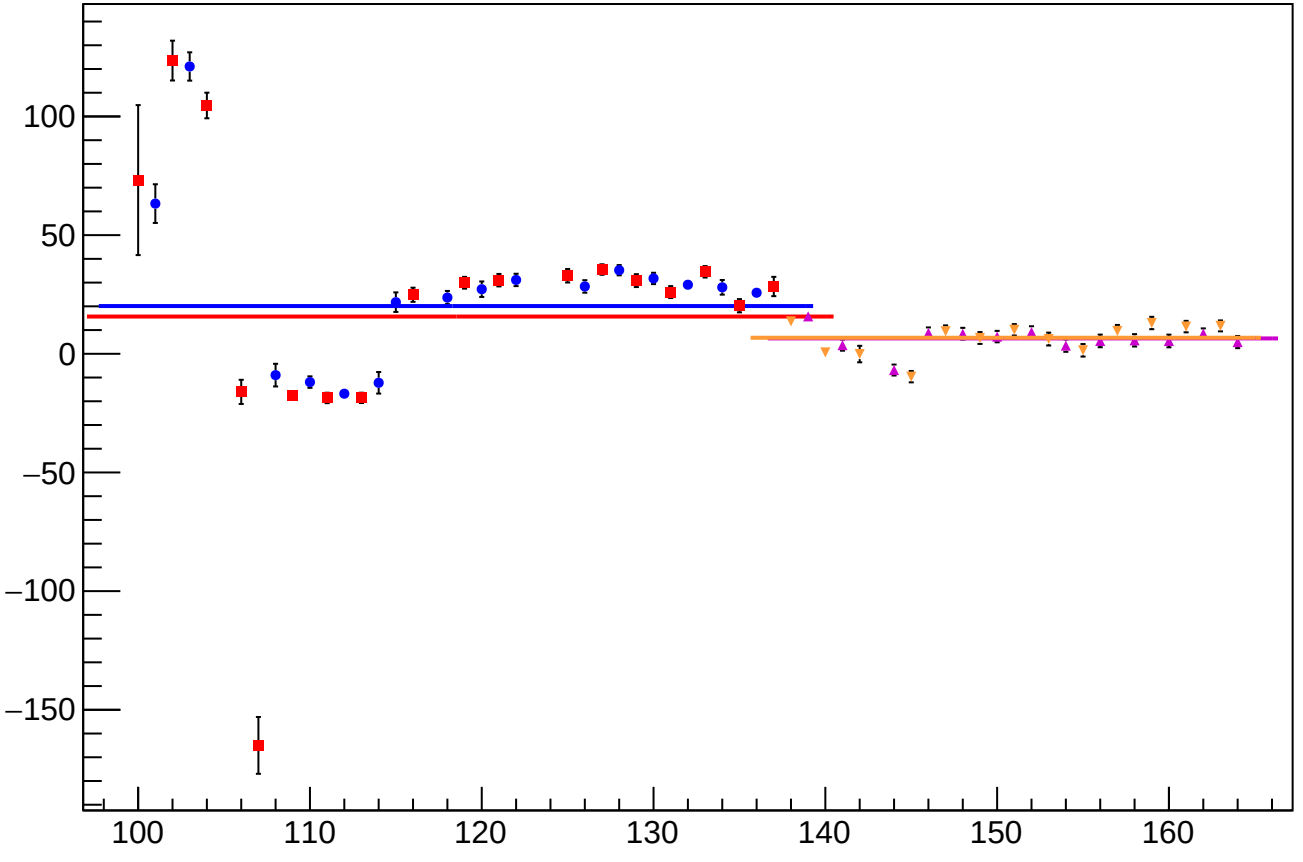
Left In: 106.628+/-0.042 χ^2/NDF:31354.3/12

+ sign 77.259+/-0.031 χ^2/NDF: 2152820.0/28

All: 77.279+/-0.022 χ^2/NDF: 4063595.4/59

- 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: 6.761+/-0.681 χ^2/NDF:93.0/12

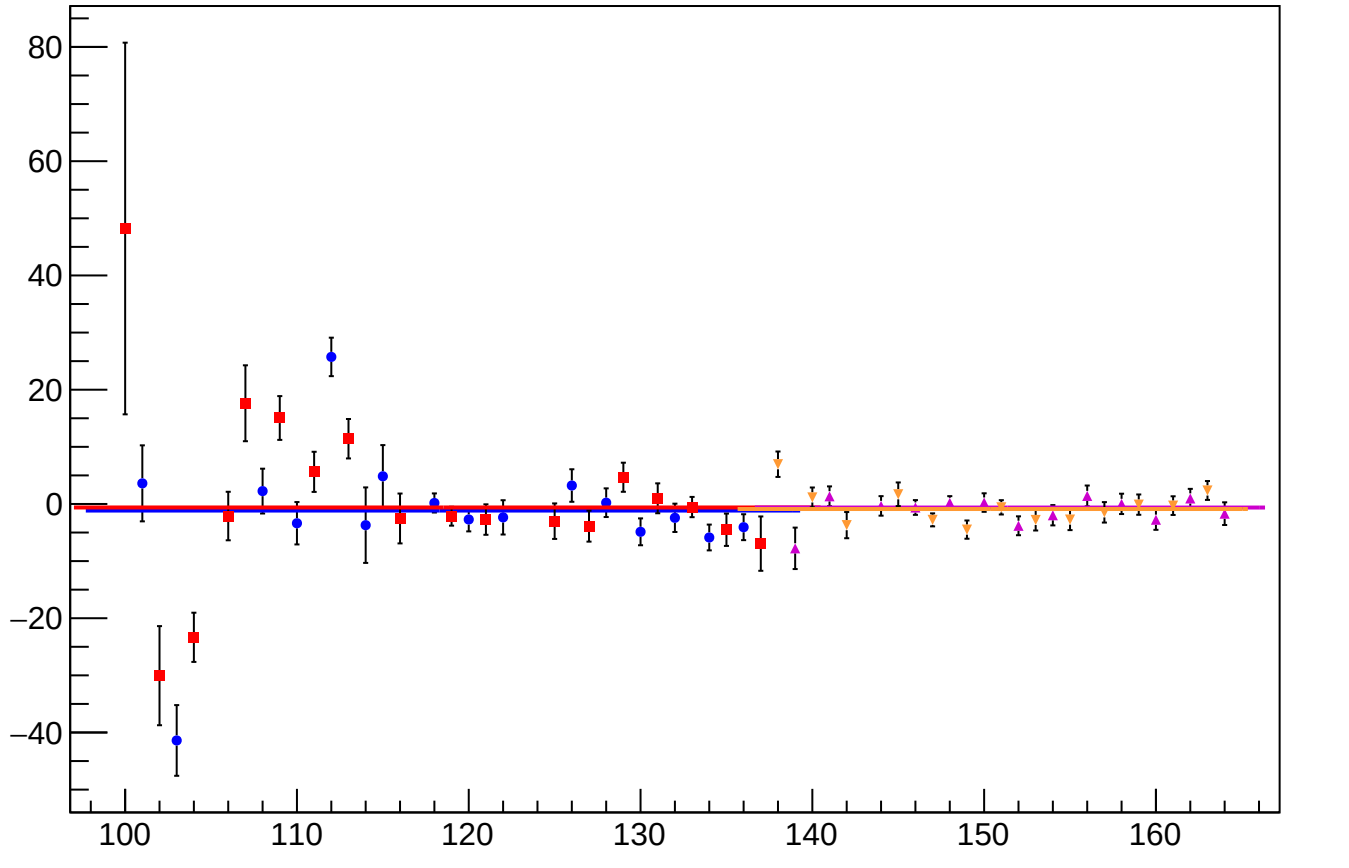
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.476+/-0.667 χ^2/NDF:62.2/12

+ sign 13.382+/-0.484 χ^2/NDF: 1331.7/28

All: 12.165+/-0.340 χ^2/NDF: 3273.8/59

- 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: -0.884+/-0.461 χ^2/NDF:31.2/12

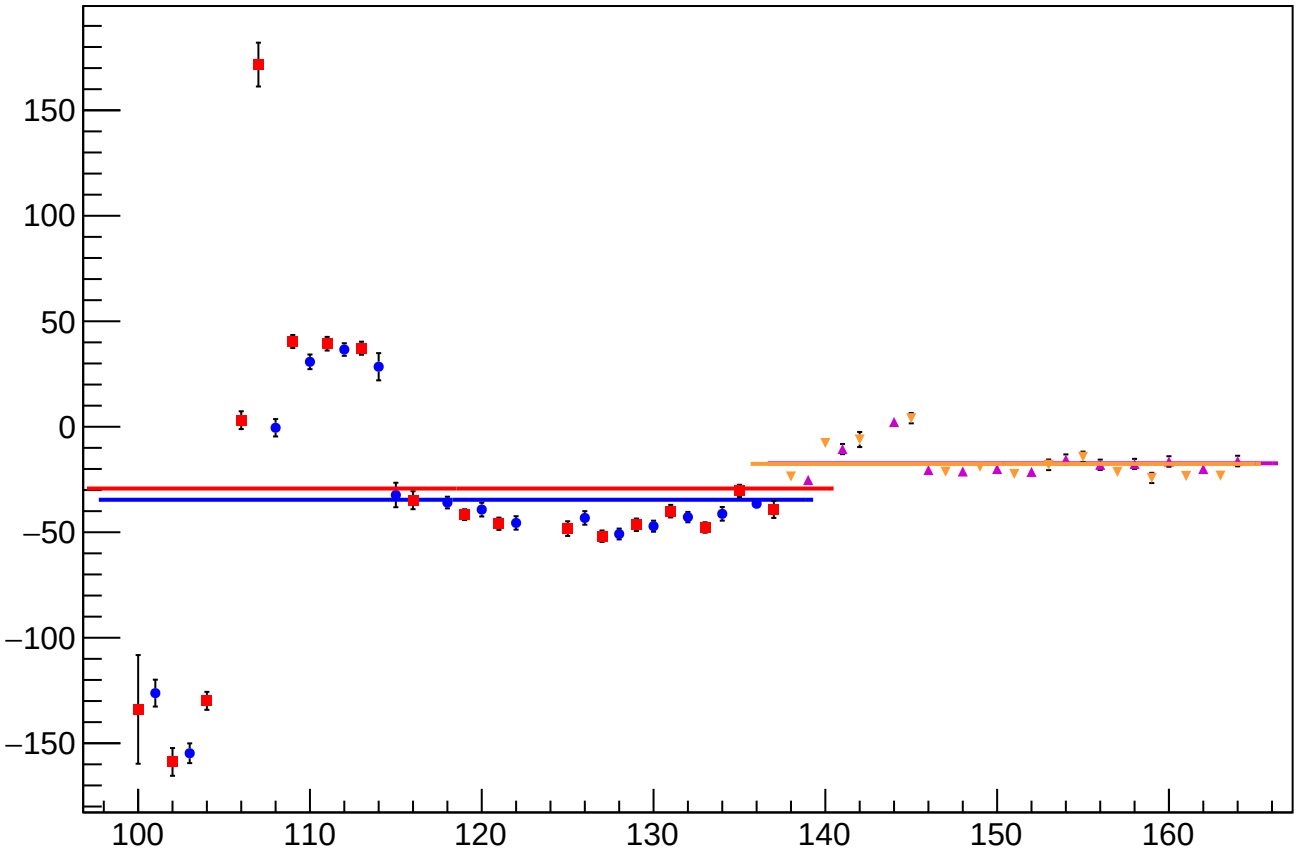
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.625+/-0.461 χ^2/NDF:14.3/12

+ sign -0.965+/-0.385 χ^2/NDF: 153.1/28

All: -0.795+/-0.273 χ^2/NDF: 261.2/59

- 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: -17.581+/-0.659 χ^2/NDF:150.0/12

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

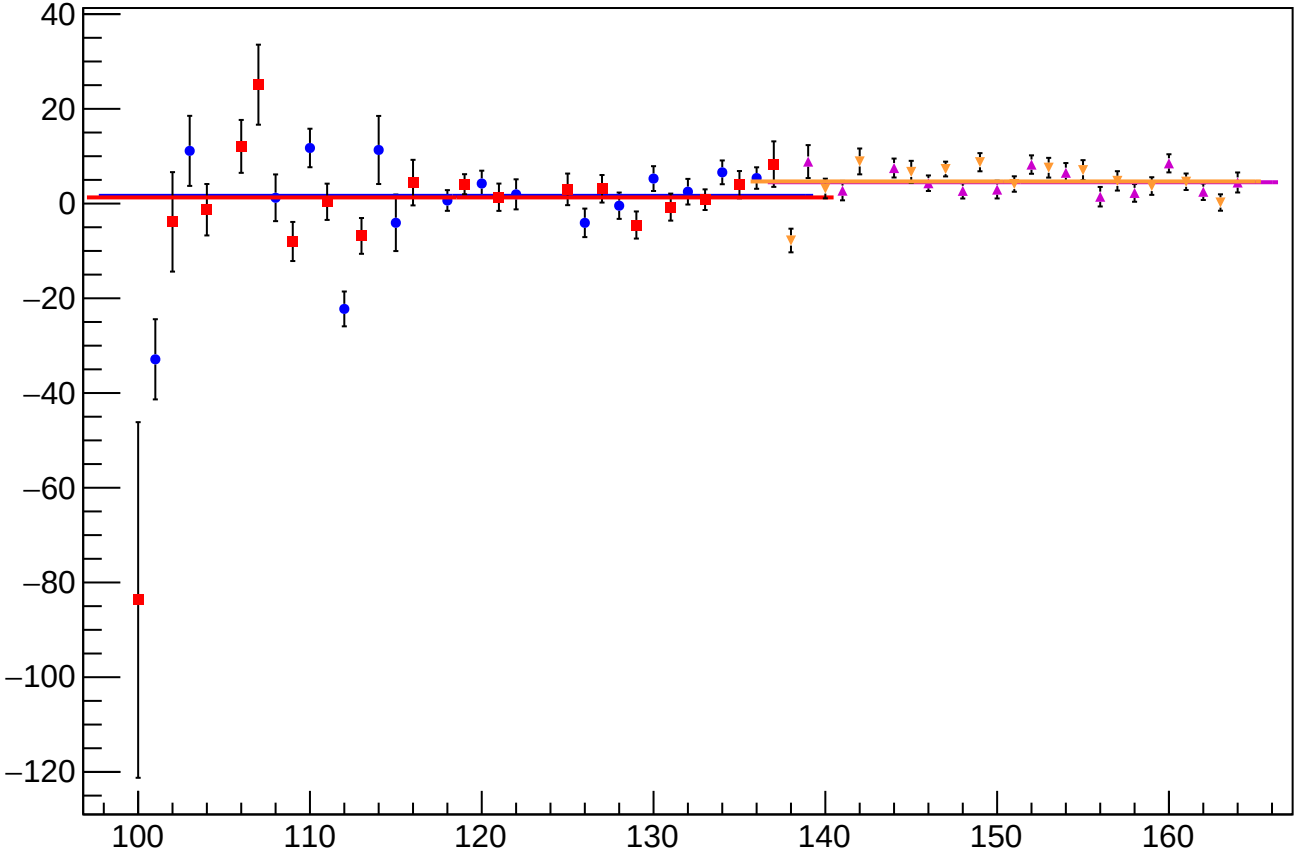
Left In: -17.326+/-0.644 χ^2/NDF:102.0/12

+ sign -24.598+/-0.505 χ^2/NDF: 2483.8/28

All: -23.301+/-0.356 χ^2/NDF: 5815.5/59

- sign -22.023+/-0.501 χ^2/NDF: 3318.6/30

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.674+/-0.541 χ^2/NDF:46.1/12

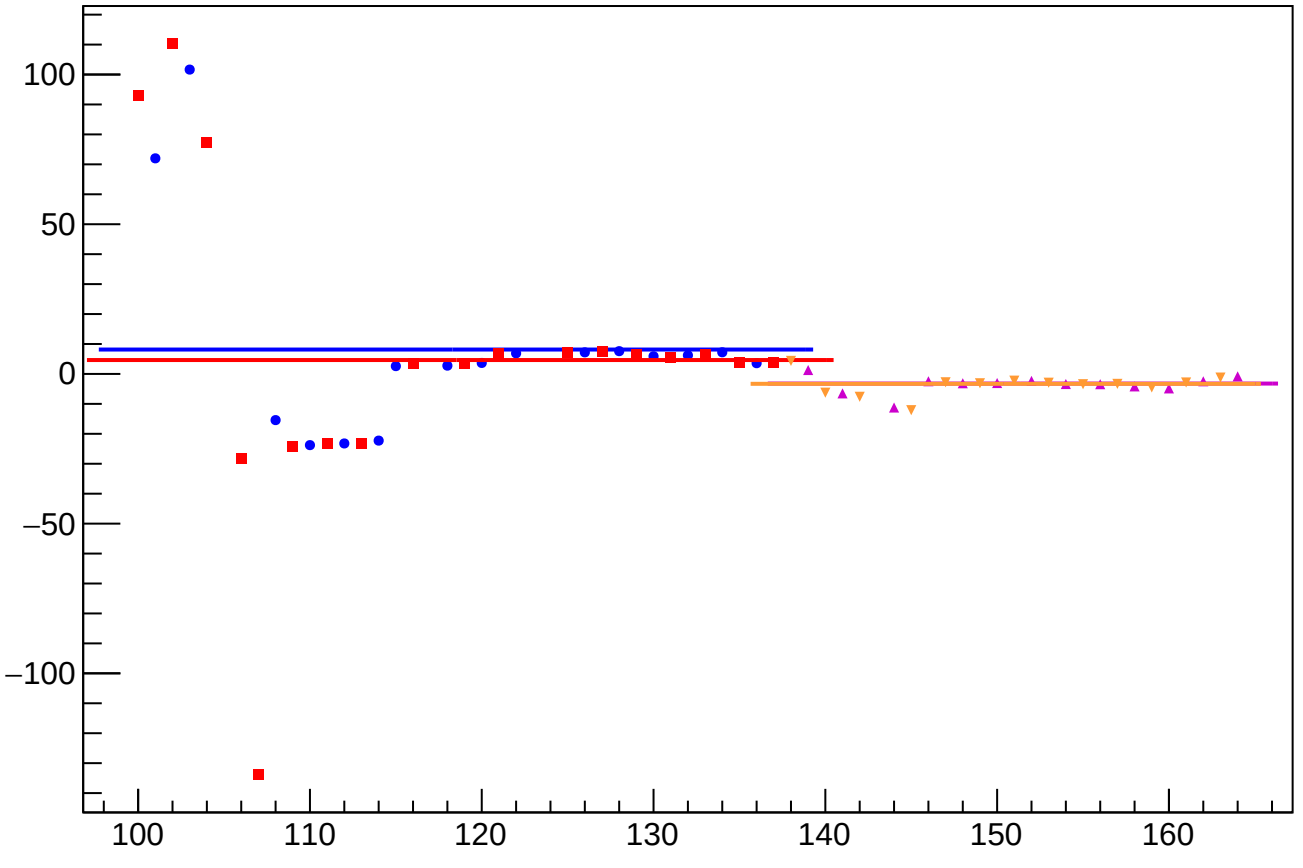
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.504+/-0.538 χ^2/NDF:20.5/12

+ sign 3.713+/-0.448 χ^2/NDF: 139.4/28

All: 3.624+/-0.317 χ^2/NDF: 208.2/59

- 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: -3.303+/-0.025 χ^2/NDF:19318.9/12

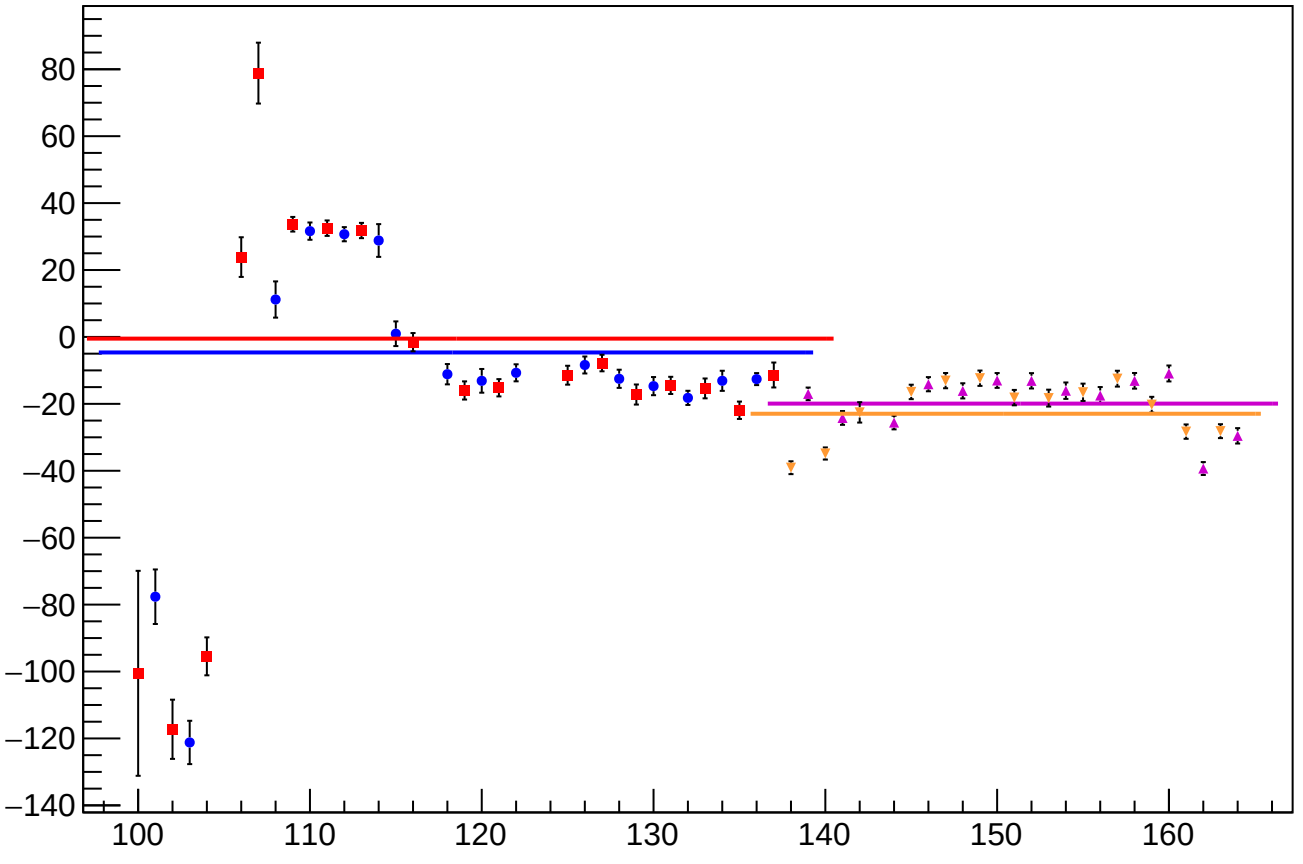
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.219+/-0.024 χ^2/NDF:11854.5/12

\+ sign -0.930+/-0.022 χ^2/NDF: 377079.4/28

All: -1.377+/-0.016 χ^2/NDF: 855538.4/59

\- 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: -22.957+/-0.622 χ^2/NDF:209.8/12

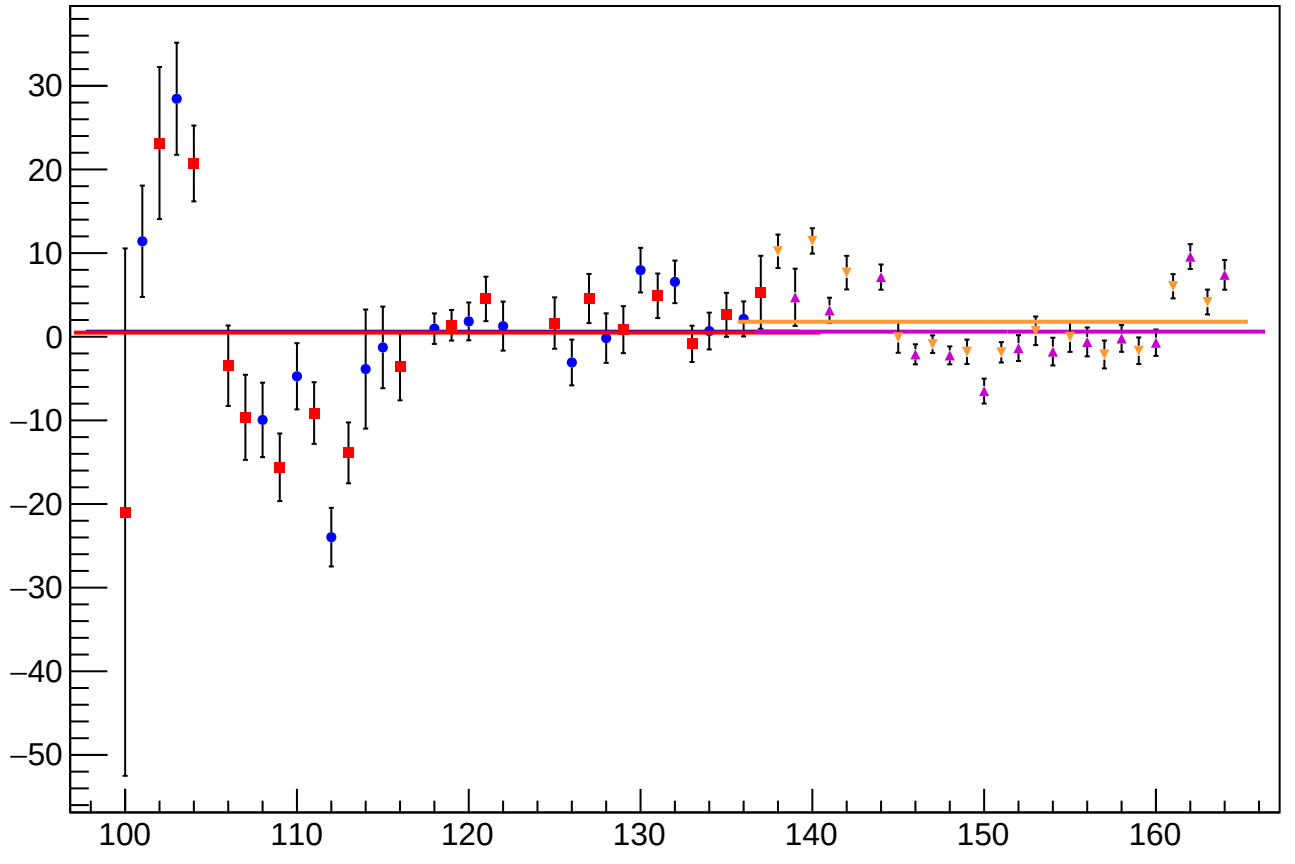
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.928+/-0.608 χ^2/NDF:188.1/12

+ sign -15.016+/-0.469 χ^2/NDF: 1631.4/28

All: -13.345+/-0.329 χ^2/NDF: 3733.4/59

- 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: 1.796+/-0.422 χ^2/NDF:112.1/12

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

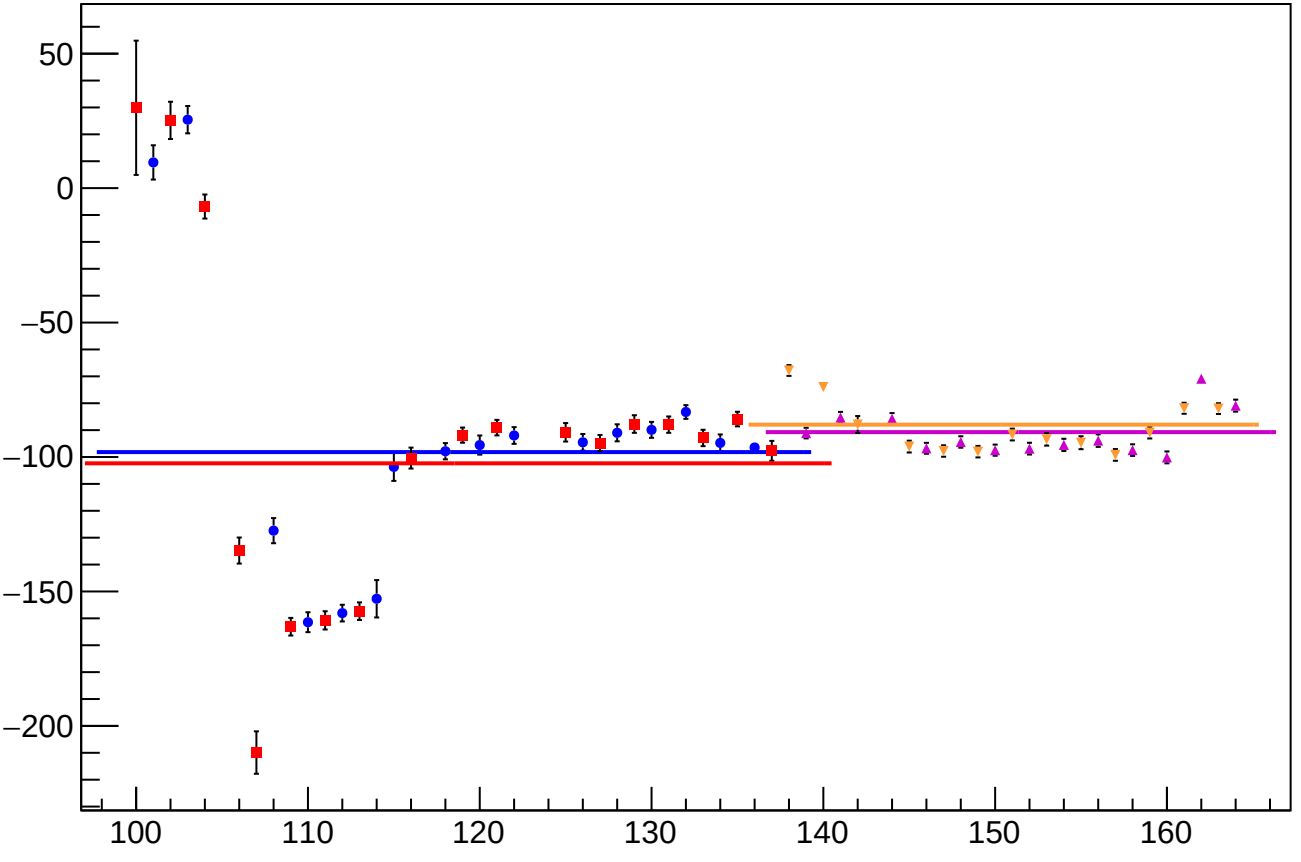
Left In: 0.609+/-0.420 χ^2/NDF:114.0/12

+ sign 1.495+/-0.365 χ^2/NDF: 207.0/28

All: 1.041+/-0.259 χ^2/NDF: 404.3/59

- sign 0.582+/-0.367 χ^2/NDF: 194.2/30

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.969+/-0.603 χ^2/NDF:276.0/12

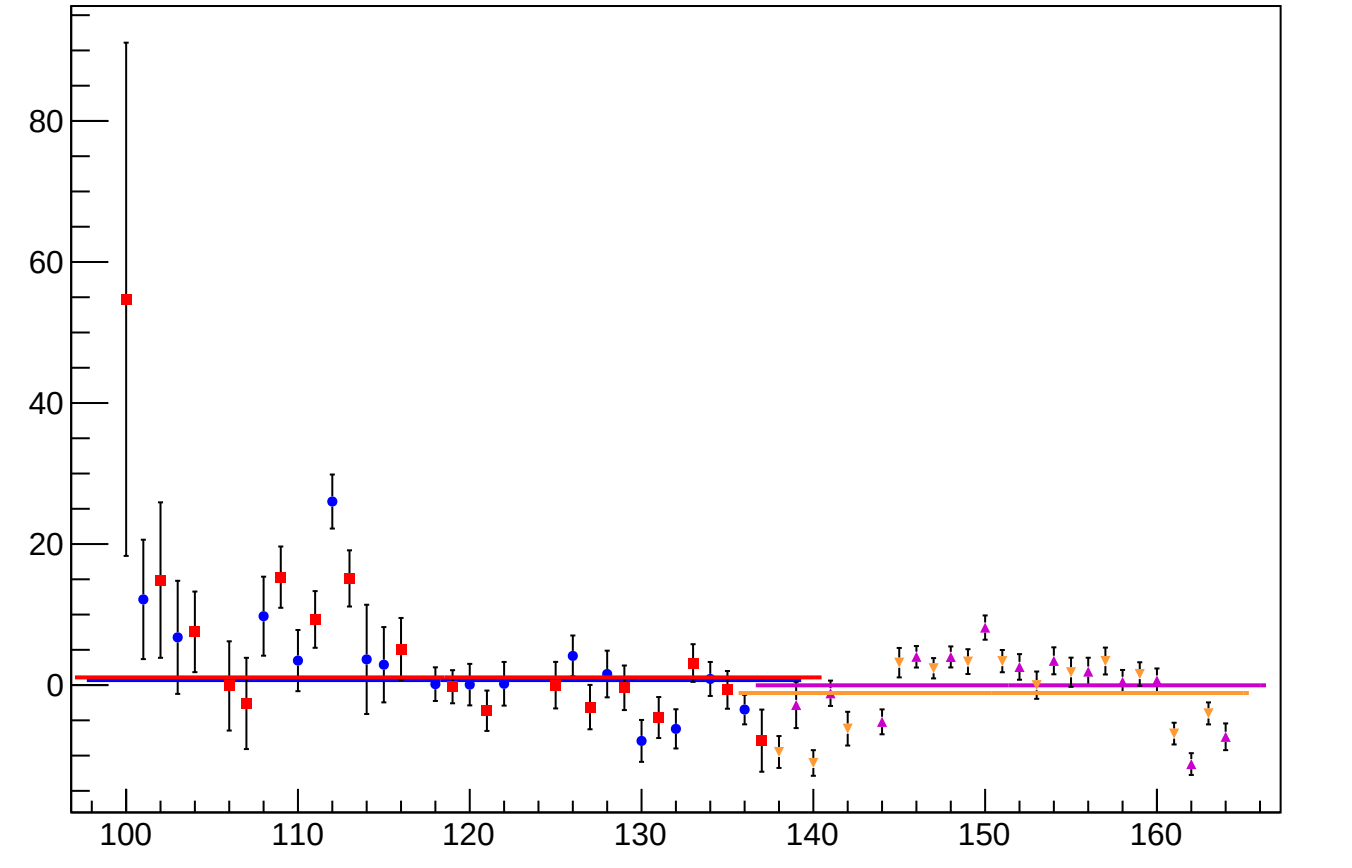
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.739+/-0.587 χ^2/NDF:210.1/12

+ sign -91.588+/-0.484 χ^2/NDF: 2077.5/28

All: -93.089+/-0.341 χ^2/NDF: 4553.1/59

- 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: -1.125+/-0.495 χ^2/NDF:100.8/12

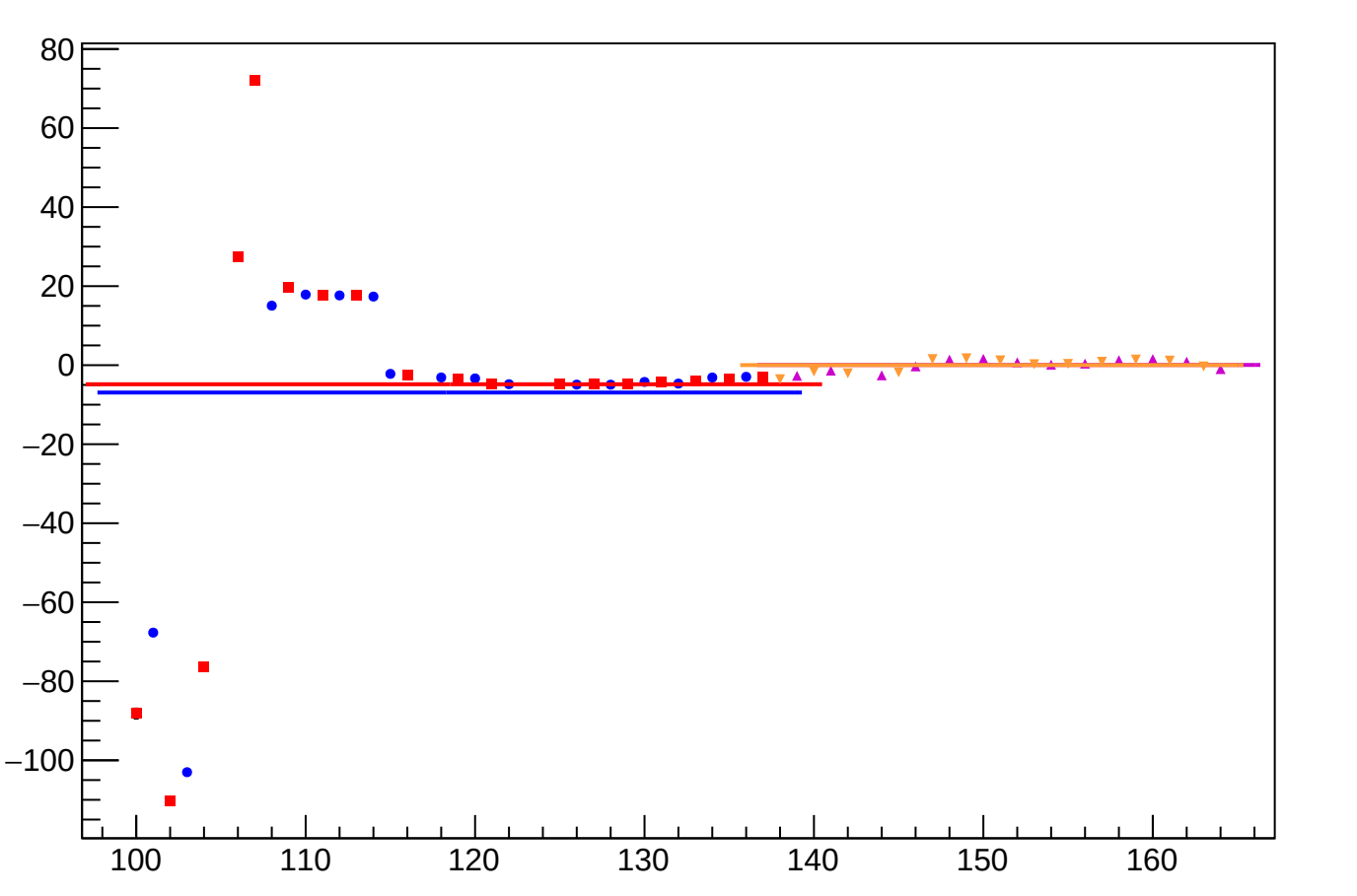
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.034+/-0.489 χ^2/NDF:120.5/12

\+ sign -0.636+/-0.424 χ^2/NDF: 174.0/28

All: -0.197+/-0.300 χ^2/NDF: 345.6/59

\- 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: 0.023+/-0.023 χ^2/NDF:4753.7/12

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

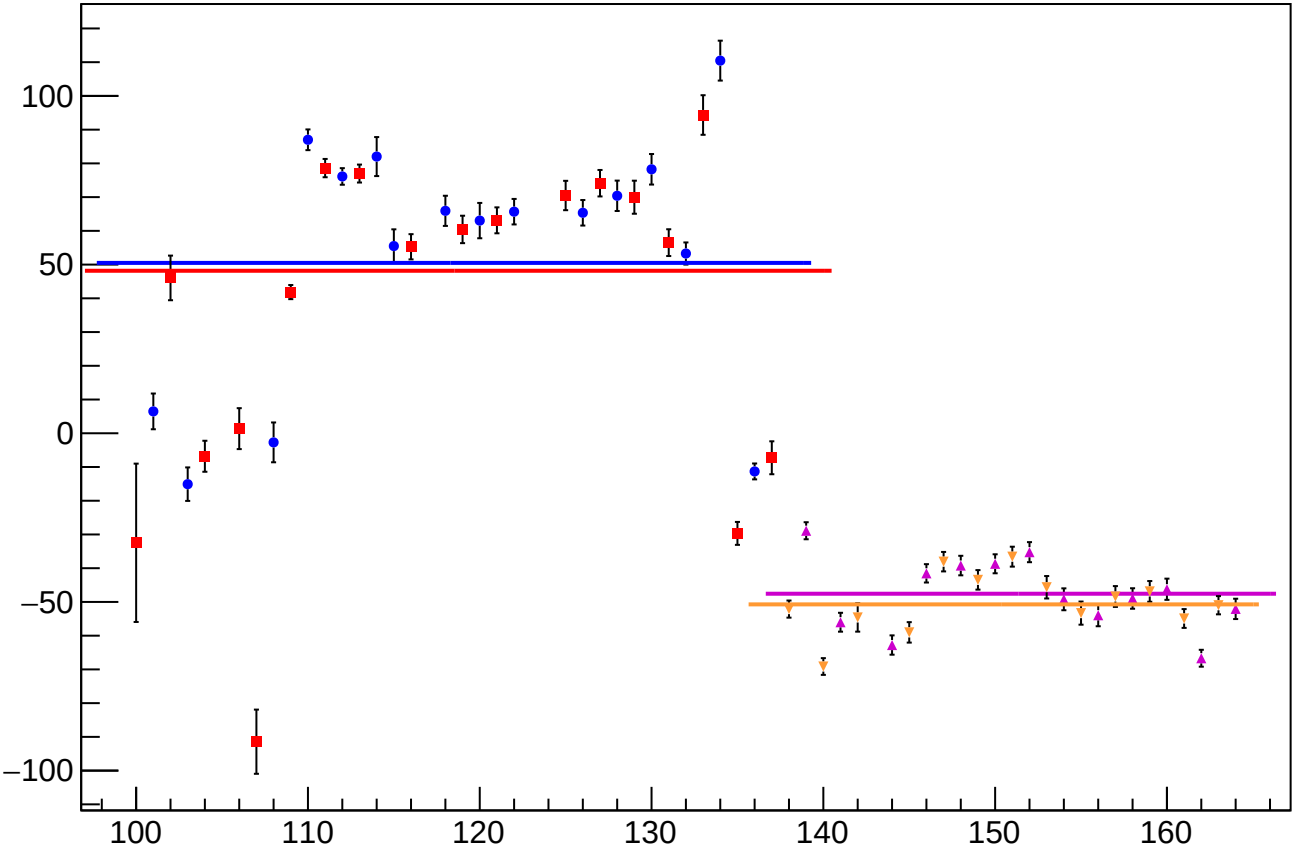
Left In: 0.059+/-0.022 χ^2/NDF:4216.2/12

+ sign -1.225+/-0.021 χ^2/NDF: 286766.9/28

All: -0.943+/-0.014 χ^2/NDF: 638025.8/59

- 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: -50.724+/-0.819 χ^2/NDF:119.5/12

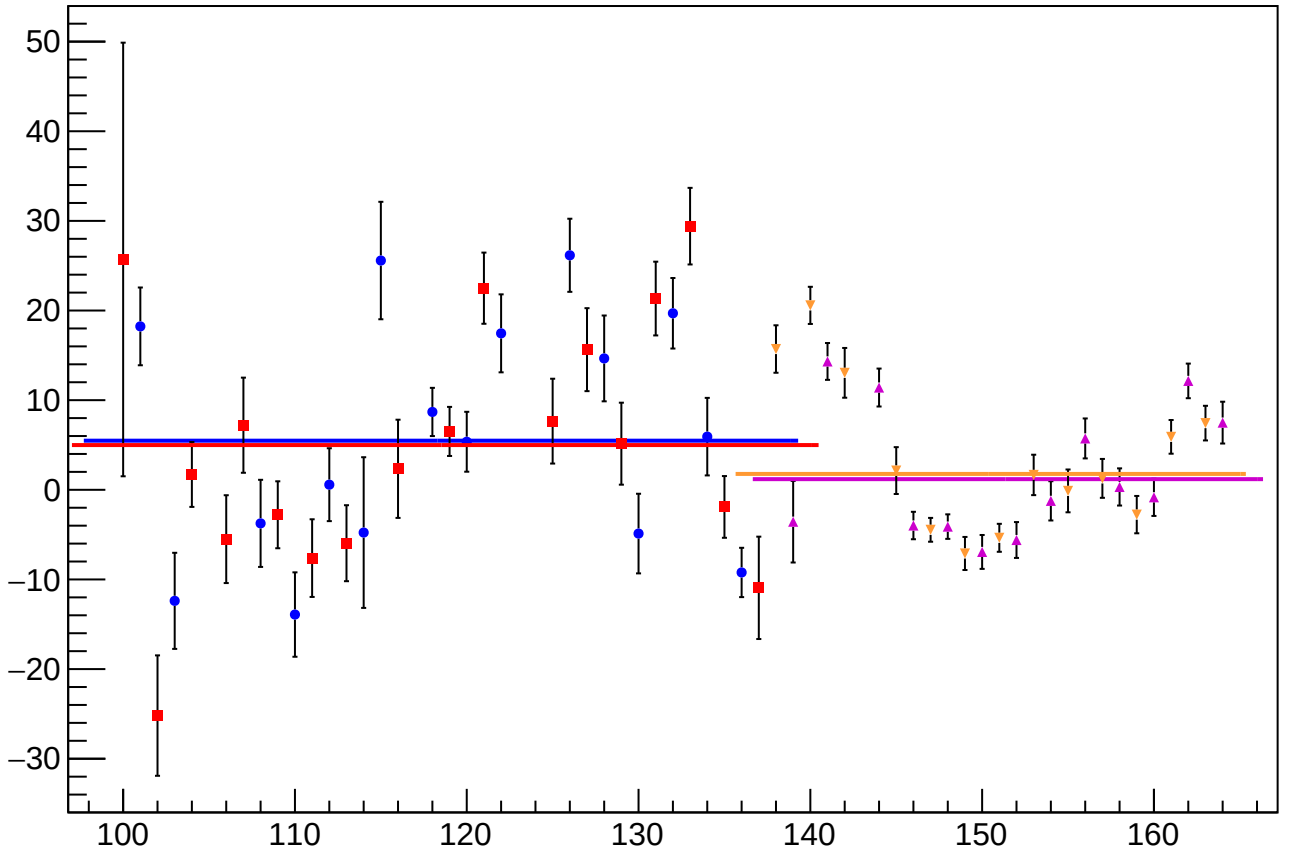
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.566+/-0.798 χ^2/NDF:197.4/12

+ sign -8.338+/-0.625 χ^2/NDF: 8014.9/28

All: -7.198+/-0.433 χ^2/NDF: 15958.6/59

- 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: 1.772+/-0.551 χ^2/NDF:211.5/12

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

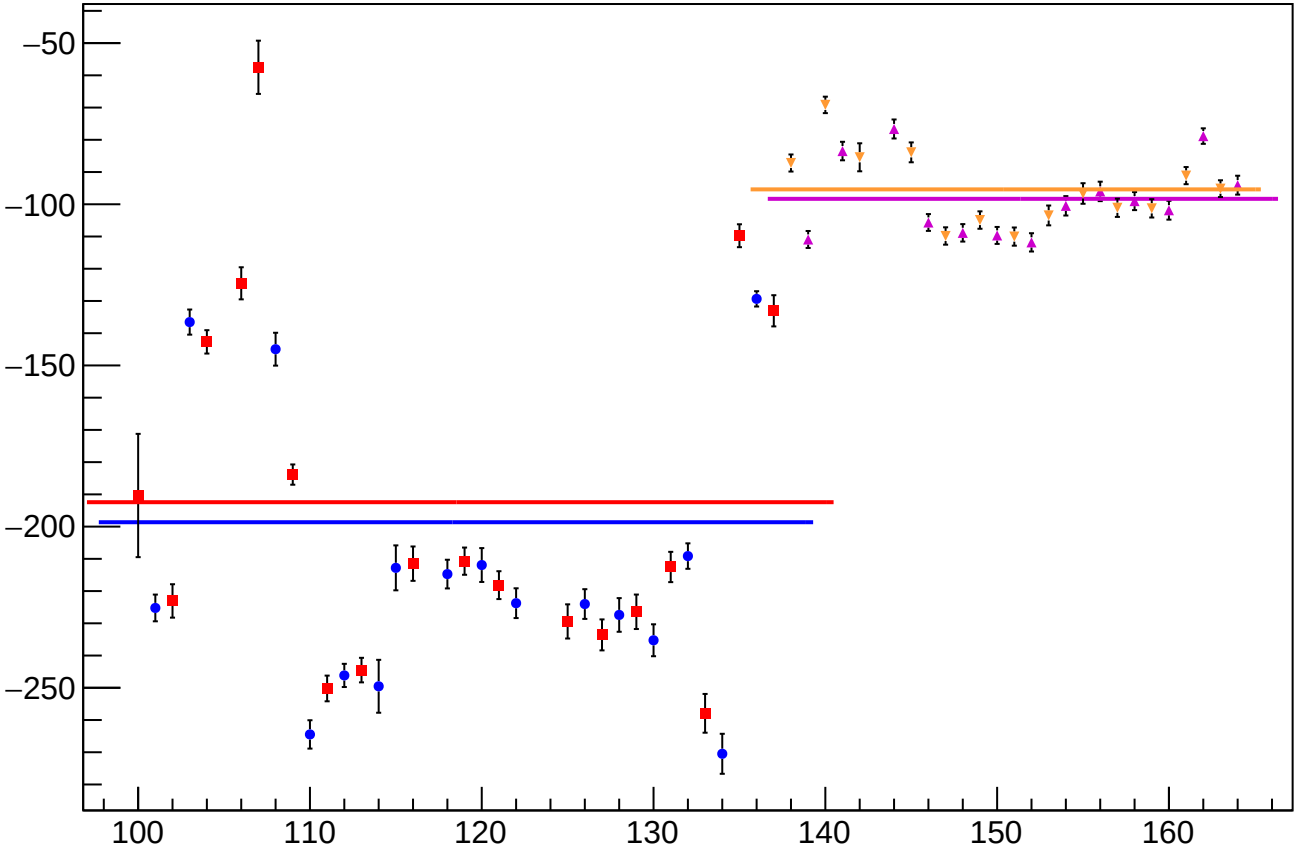
Left In: 1.189+/-0.548 χ^2/NDF:167.6/12

\+ sign 2.609+/-0.485 χ^2/NDF: 359.8/28

All: 2.323+/-0.342 χ^2/NDF: 670.7/59

\- sign 2.039+/-0.483 χ^2/NDF: 310.2/30

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.379+/-0.792 χ^2/NDF:220.4/12

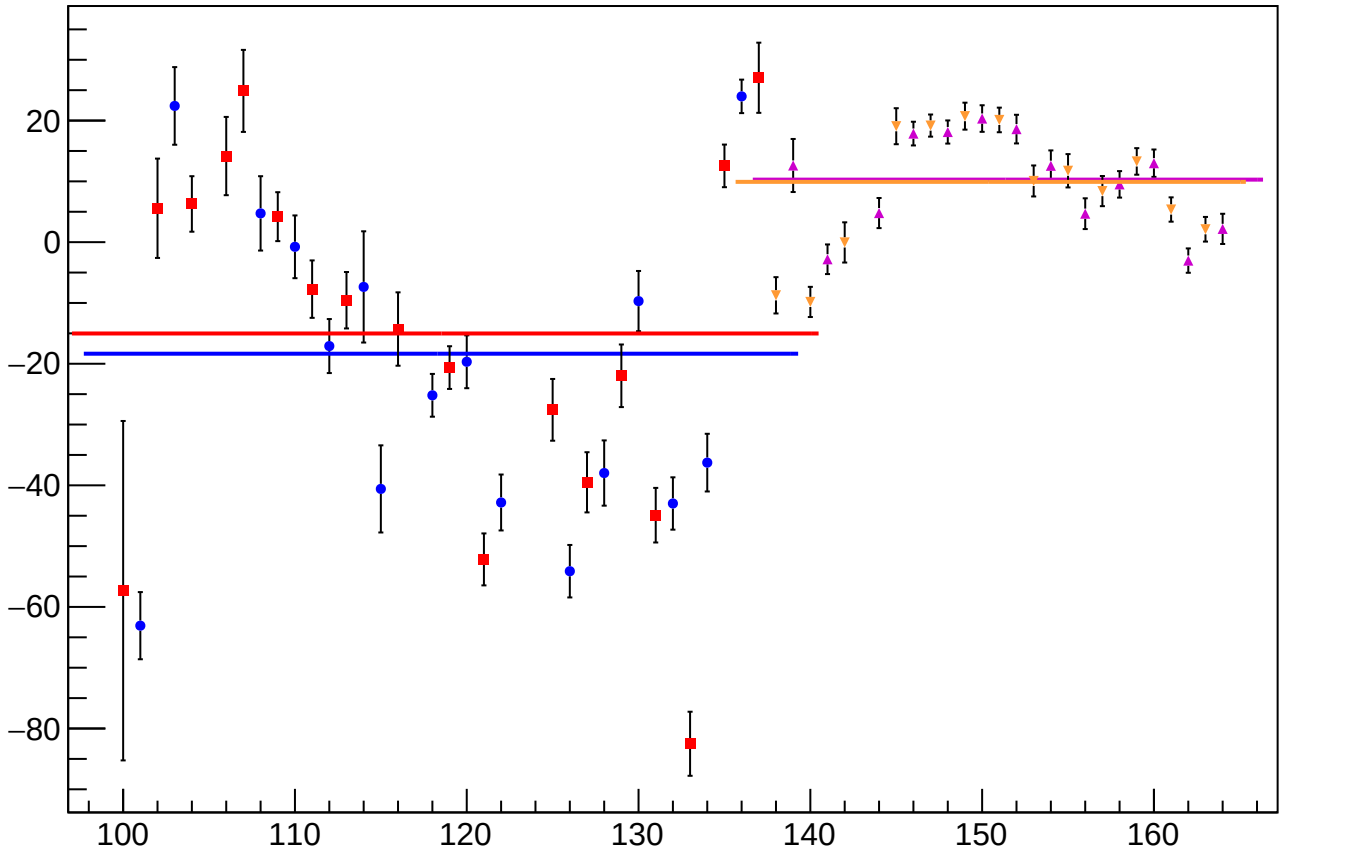
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.314+/-0.770 χ^2/NDF:238.1/12

+ sign -131.317+/-0.639 χ^2/NDF: 8145.7/28

All: -130.663+/-0.448 χ^2/NDF: 15561.6/59

- 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: 9.919+/-0.648 χ^2/NDF:219.1/12

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

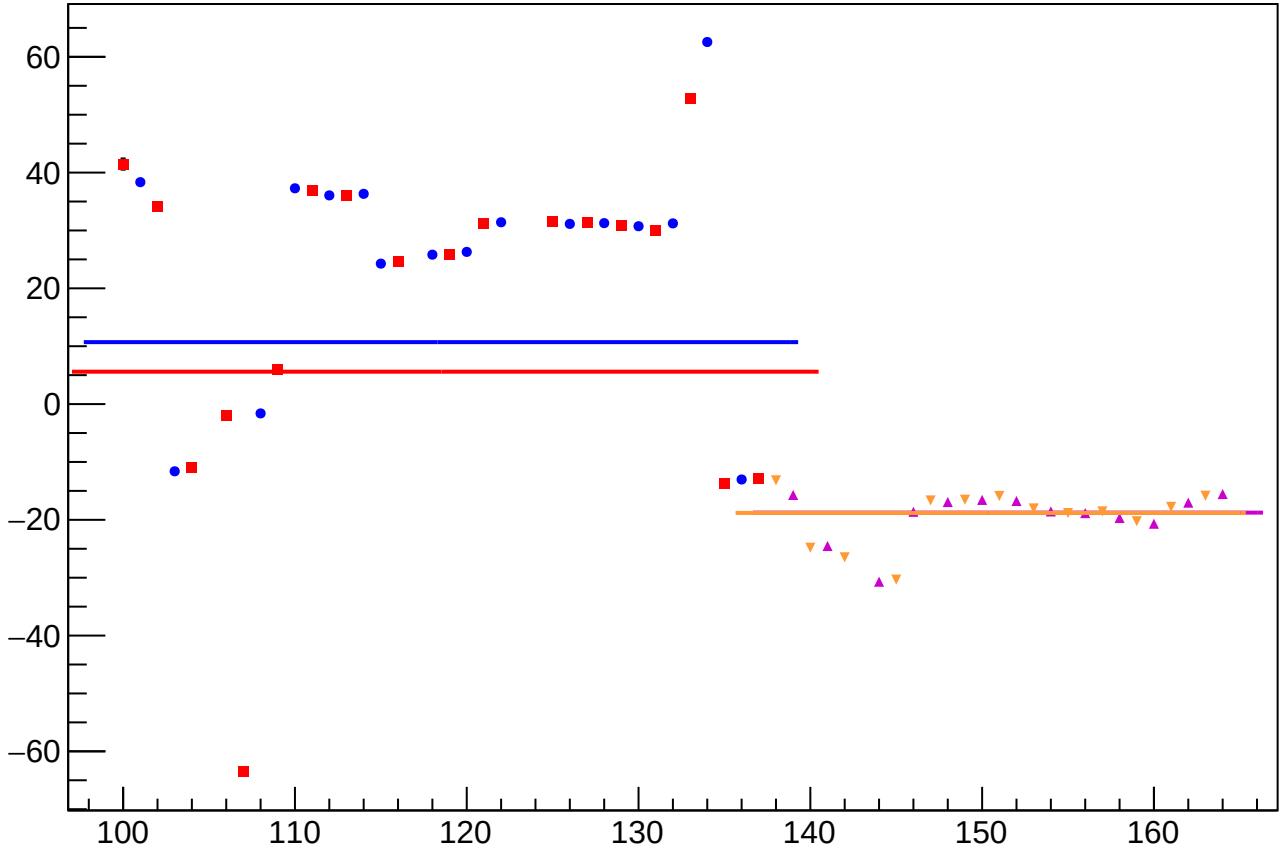
Left In: 10.286+/-0.640 χ^2/NDF:161.8/12

+ sign 3.191+/-0.566 χ^2/NDF: 1216.0/28

All: 3.801+/-0.398 χ^2/NDF: 2290.6/59

- sign 4.399+/-0.560 χ^2/NDF: 1072.3/30

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.806+/-0.030 χ^2/NDF:19426.5/12

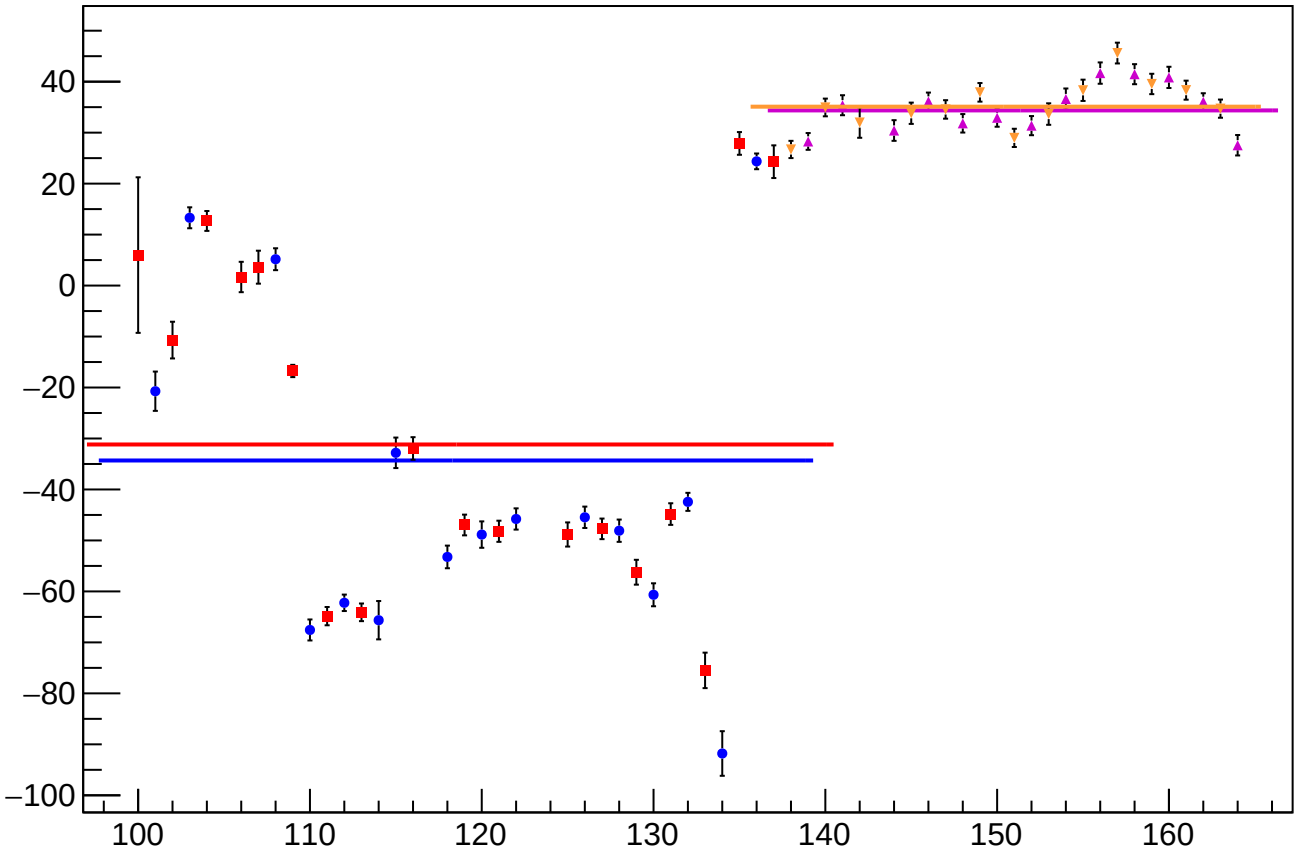
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.754+/-0.029 χ^2/NDF:14414.5/12

+ sign -13.397+/-0.027 χ^2/NDF: 364033.8/28

All: -14.013+/-0.019 χ^2/NDF: 655933.6/59

- sign -14.599+/-0.026 χ^2/NDF: 290879.3/30



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 35.095+/-0.536 χ^2/NDF:77.8/12

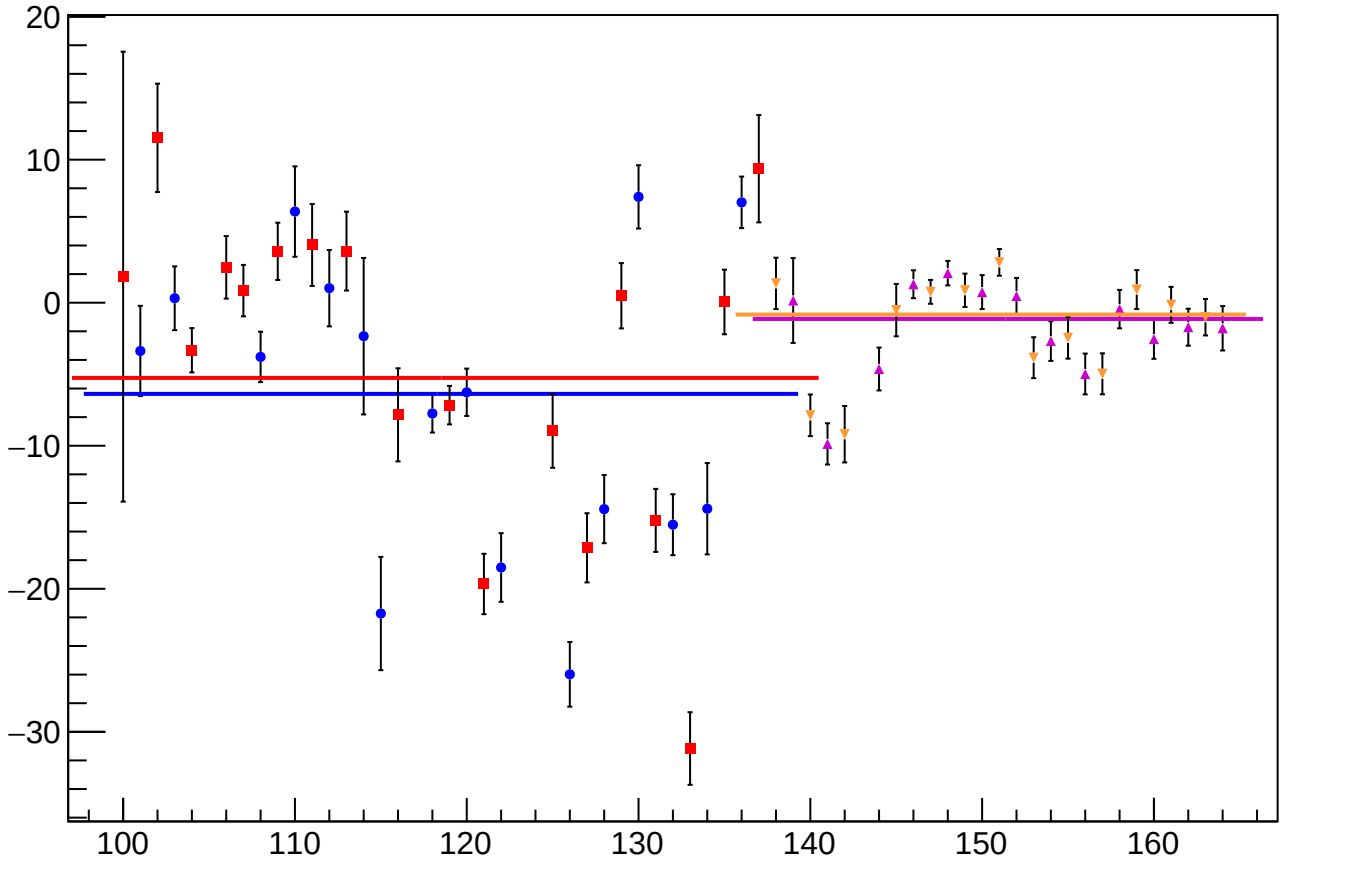
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.362+/-0.522 χ^2/NDF:72.7/12

+ sign 1.176+/-0.383 χ^2/NDF: 11788.0/28

All: 1.193+/-0.265 χ^2/NDF: 23040.0/59

- 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: -0.828+/-0.356 χ^2/NDF:80.0/12

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

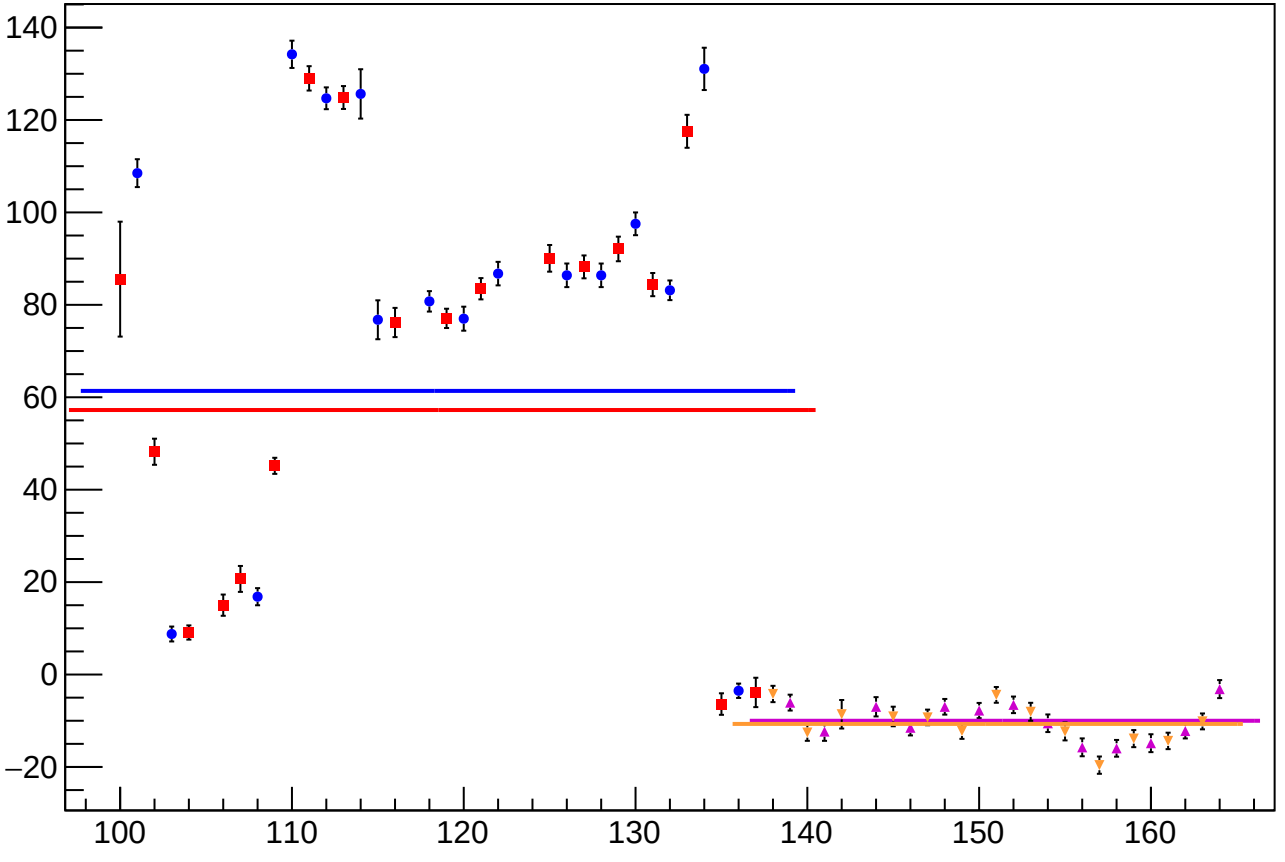
Left In: -1.137+/-0.356 χ^2/NDF:76.8/12

+ sign -2.450+/-0.299 χ^2/NDF: 434.6/28

All: -2.430+/-0.210 χ^2/NDF: 865.7/59

- 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: -10.686+/-0.516 χ^2/NDF:63.2/12

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

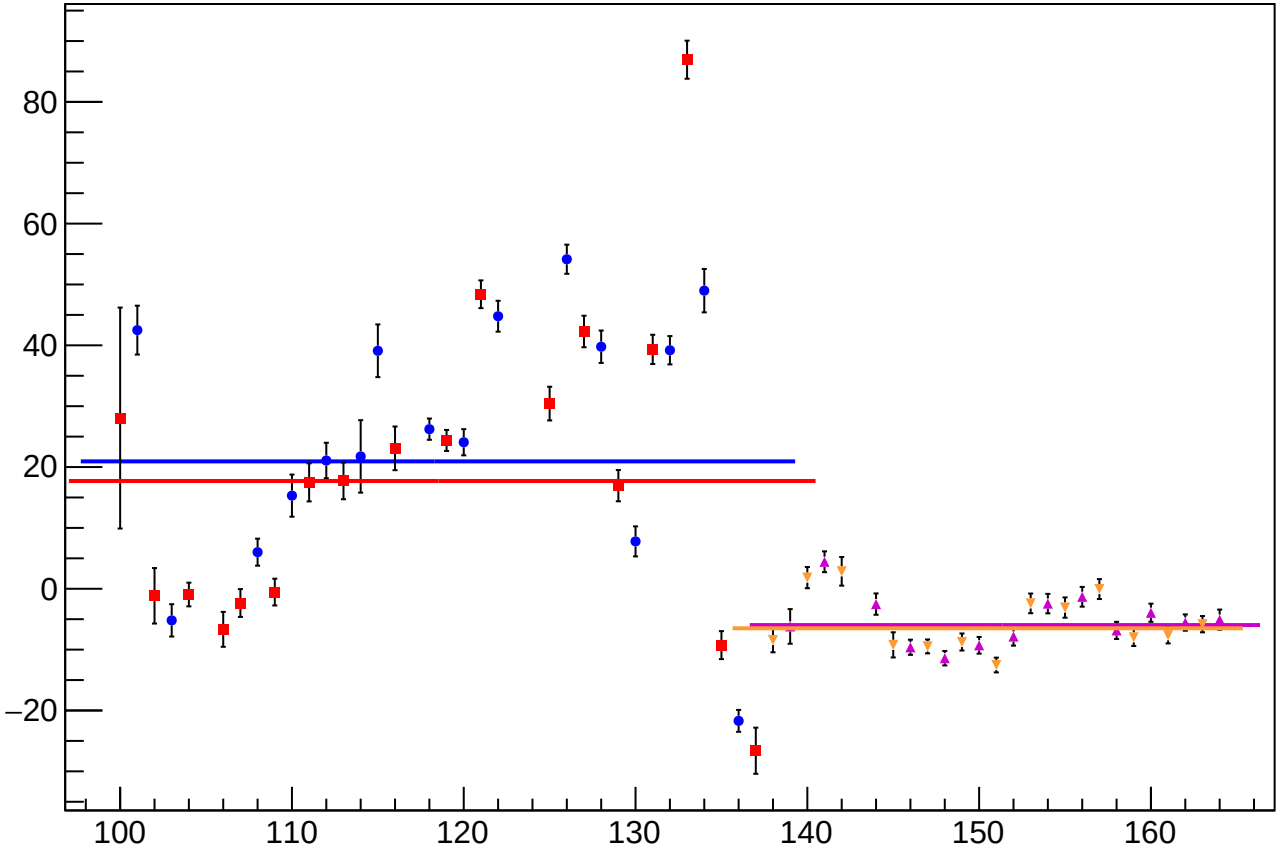
Left In: -10.002+/-0.502 χ^2/NDF:58.5/12

+ sign 20.272+/-0.390 χ^2/NDF: 14516.6/28

All: 19.513+/-0.272 χ^2/NDF: 27530.1/59

- sign 18.792+/-0.380 χ^2/NDF: 13006.1/30

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.495+/-0.420 χ^2/NDF:103.6/12

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

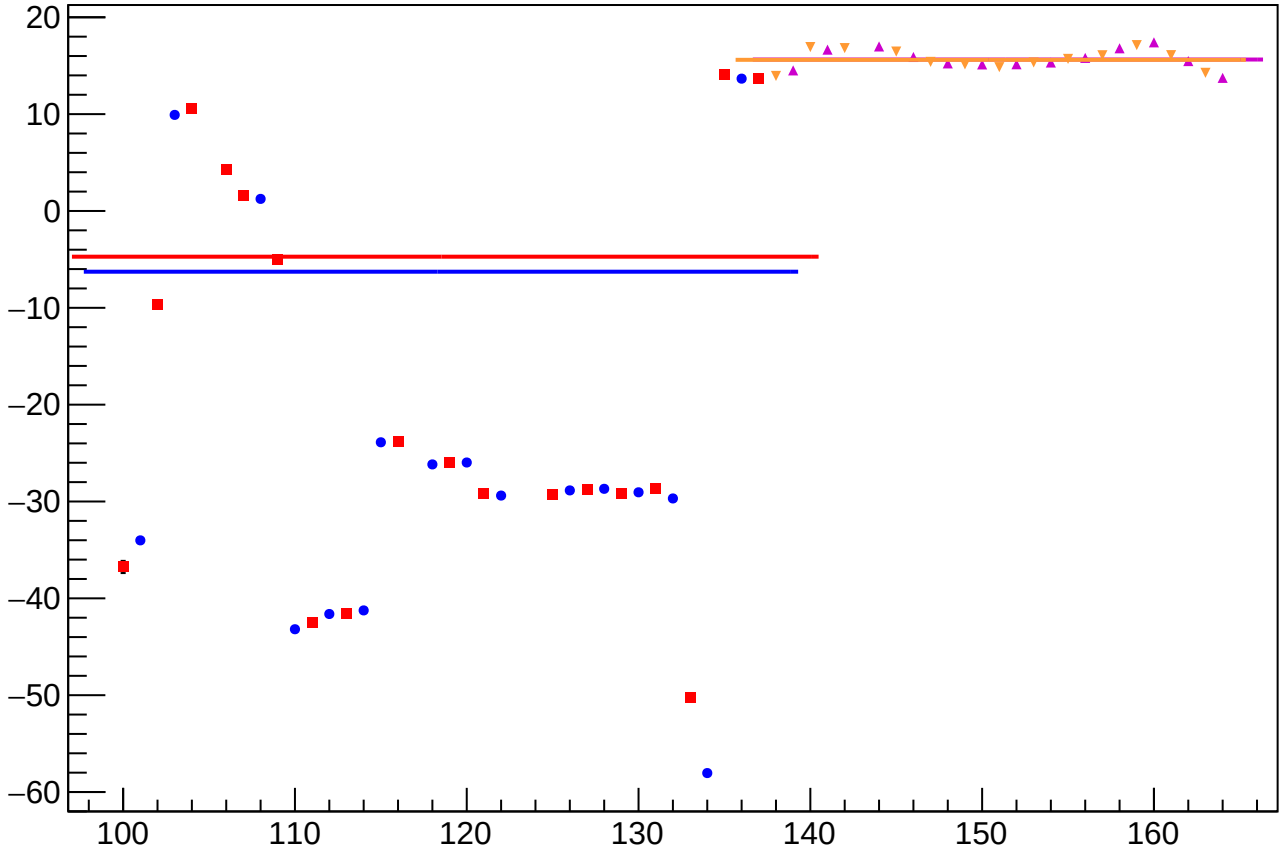
Left In: -5.964+/-0.416 χ^2/NDF:93.6/12

+ sign 1.757+/-0.351 χ^2/NDF: 2632.3/28

All: 1.588+/-0.246 χ^2/NDF: 5217.4/59

- sign 1.425+/-0.345 χ^2/NDF: 2584.7/30

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.607+/-0.019 χ^2/NDF:2400.0/12

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

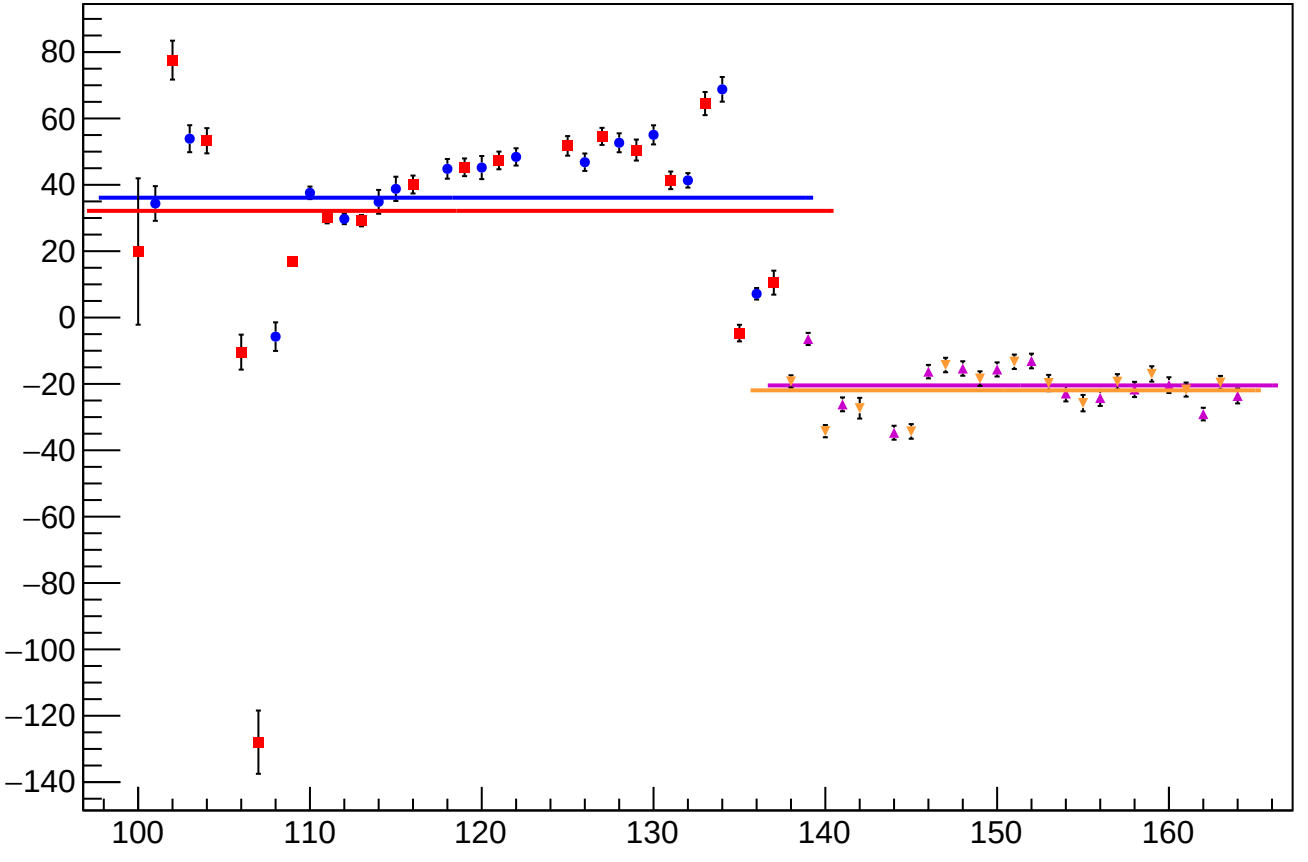
Left In: 15.638+/-0.019 χ^2/NDF:2555.2/12

+ sign 10.103+/-0.017 χ^2/NDF: 733682.3/28

All: 10.465+/-0.012 χ^2/NDF: 1322419.3/59

- sign 10.812+/-0.016 χ^2/NDF: 587824.7/30

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.939+/-0.611 χ^2/NDF:121.3/12

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

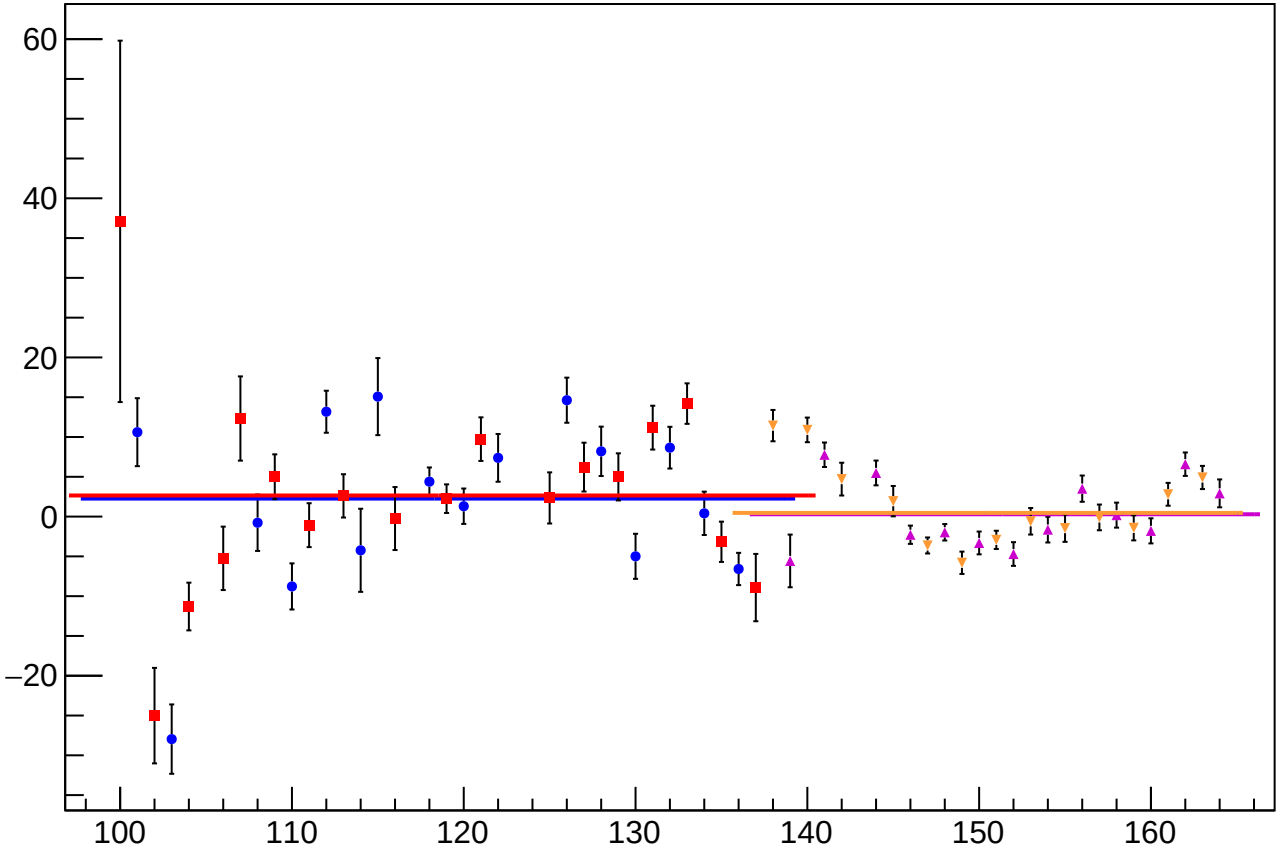
Left In: -20.453+/-0.597 χ^2/NDF:163.5/12

+ sign 5.010+/-0.447 χ^2/NDF: 4935.5/28

All: 4.693+/-0.311 χ^2/NDF: 9885.9/59

- 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: 0.466+/-0.412 χ^2/NDF:141.7/12

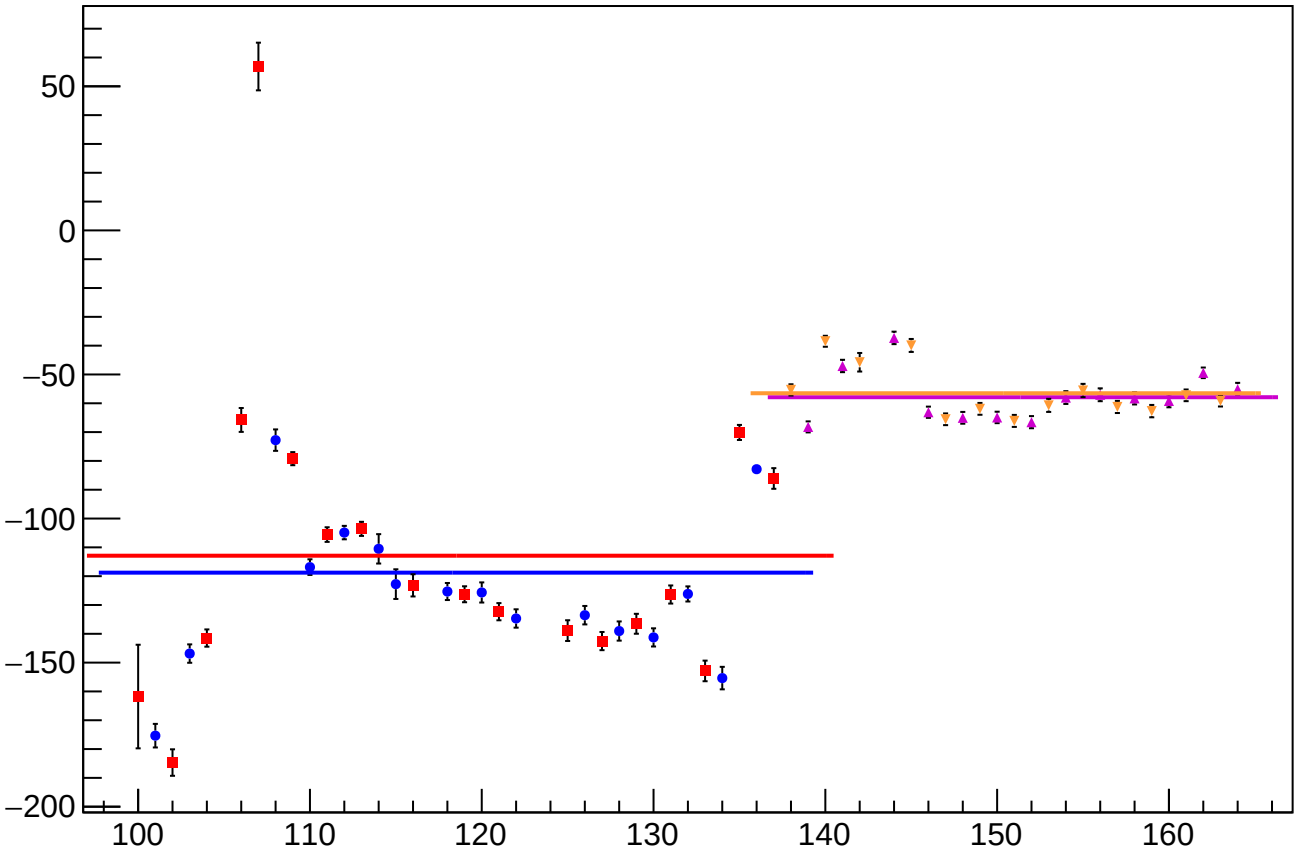
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.291+/-0.412 χ^2/NDF:92.8/12

+ sign 0.928+/-0.355 χ^2/NDF: 298.6/28

All: 0.903+/-0.252 χ^2/NDF: 506.9/59

- sign 0.878+/-0.357 χ^2/NDF: 208.2/30



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.516+/-0.591 χ^2/NDF:222.4/12

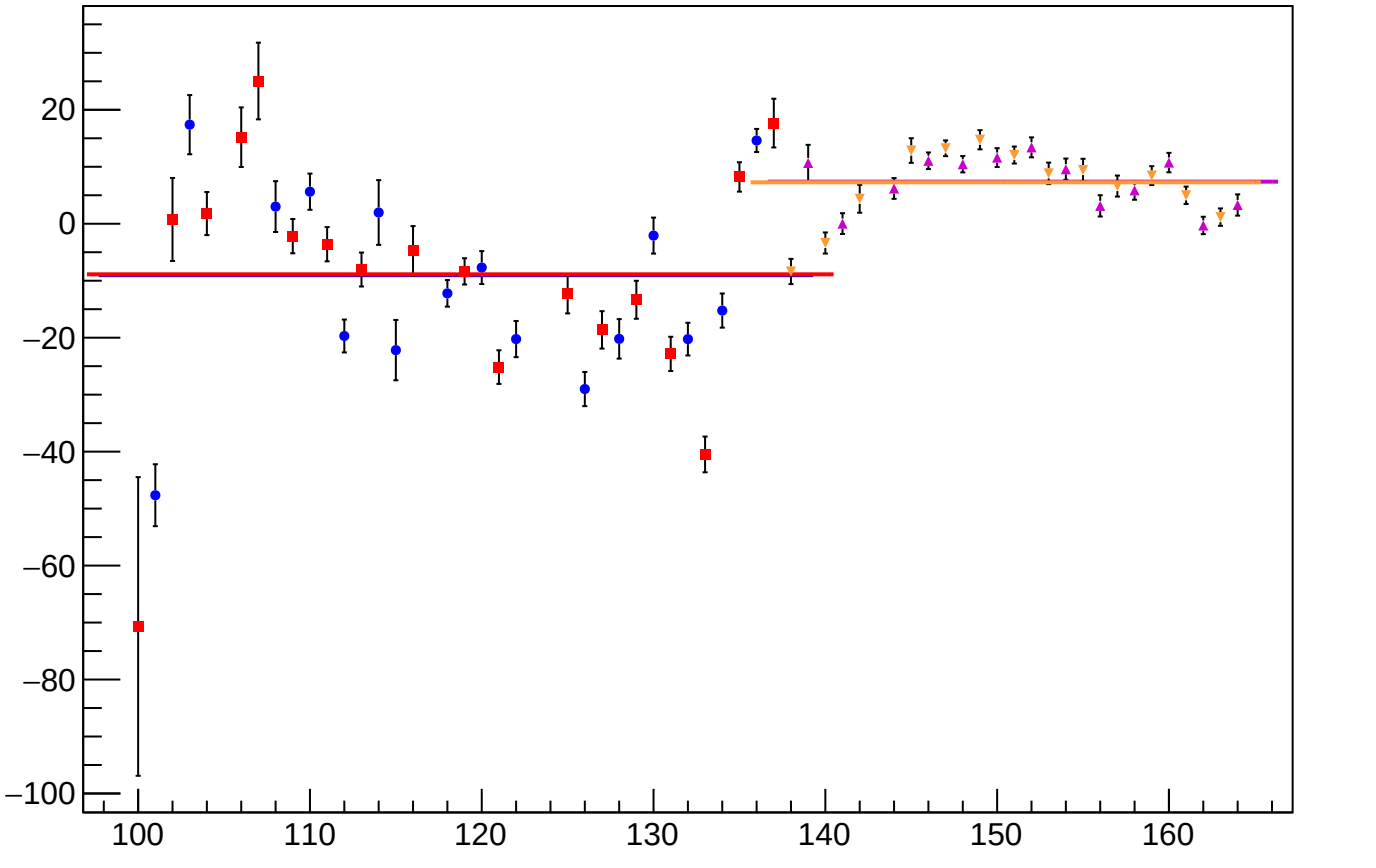
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.894+/-0.576 χ^2/NDF:216.8/12

+ sign -80.079+/-0.466 χ^2/NDF: 5548.5/28

All: -78.983+/-0.327 χ^2/NDF: 10962.0/59

- 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: 7.270+/-0.485 χ^2/NDF:160.6/12

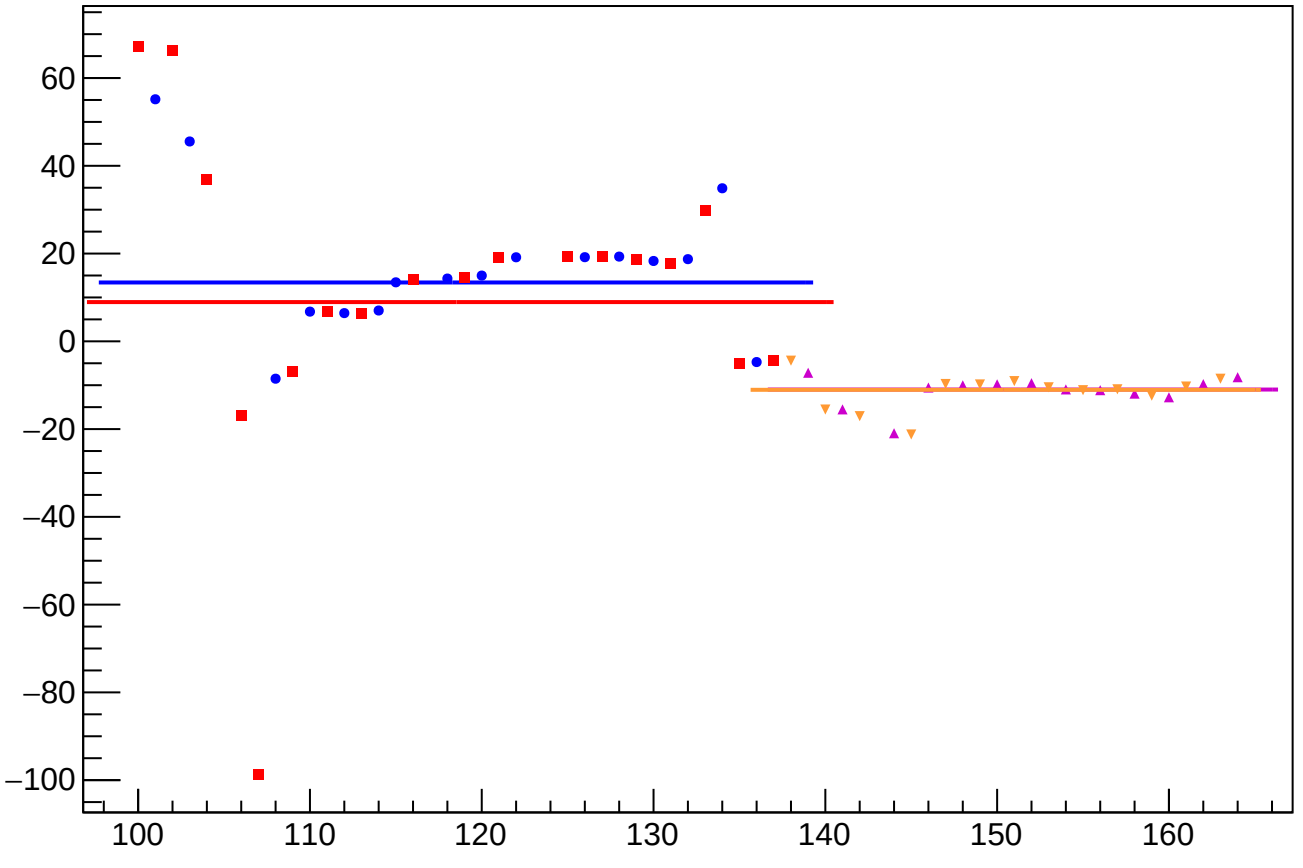
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.387+/-0.480 χ^2/NDF:88.3/12

+ sign 2.863+/-0.414 χ^2/NDF: 824.4/28

All: 3.015+/-0.292 χ^2/NDF: 1530.0/59

- sign 3.166+/-0.413 χ^2/NDF: 705.3/30



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.049+/-0.022 χ^2/NDF:28320.9/12

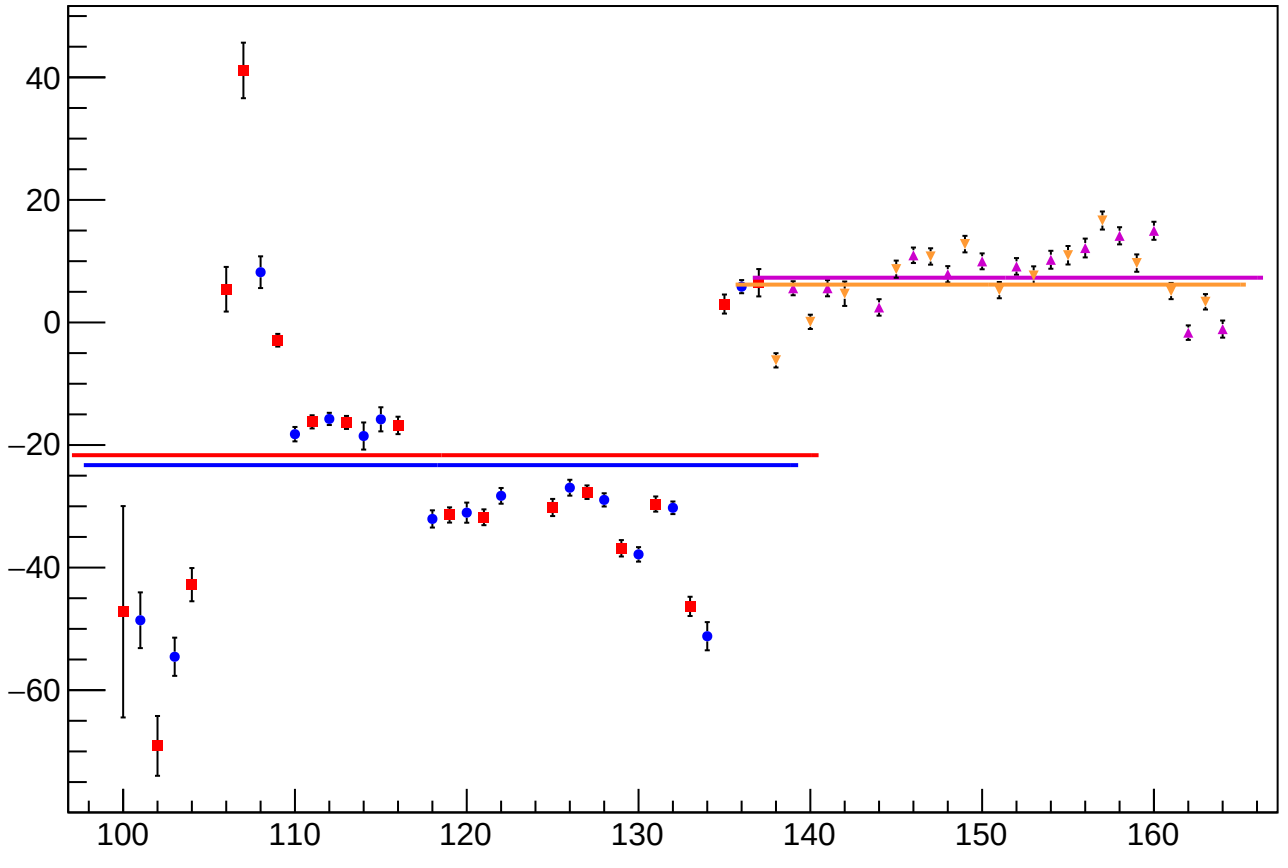
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.988+/-0.022 χ^2/NDF:19260.0/12

\+ sign -6.305+/-0.020 χ^2/NDF: 447240.8/28

All: -6.947+/-0.014 χ^2/NDF: 906148.9/59

\- 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: 6.178+/-0.379 χ^2/NDF:252.4/12

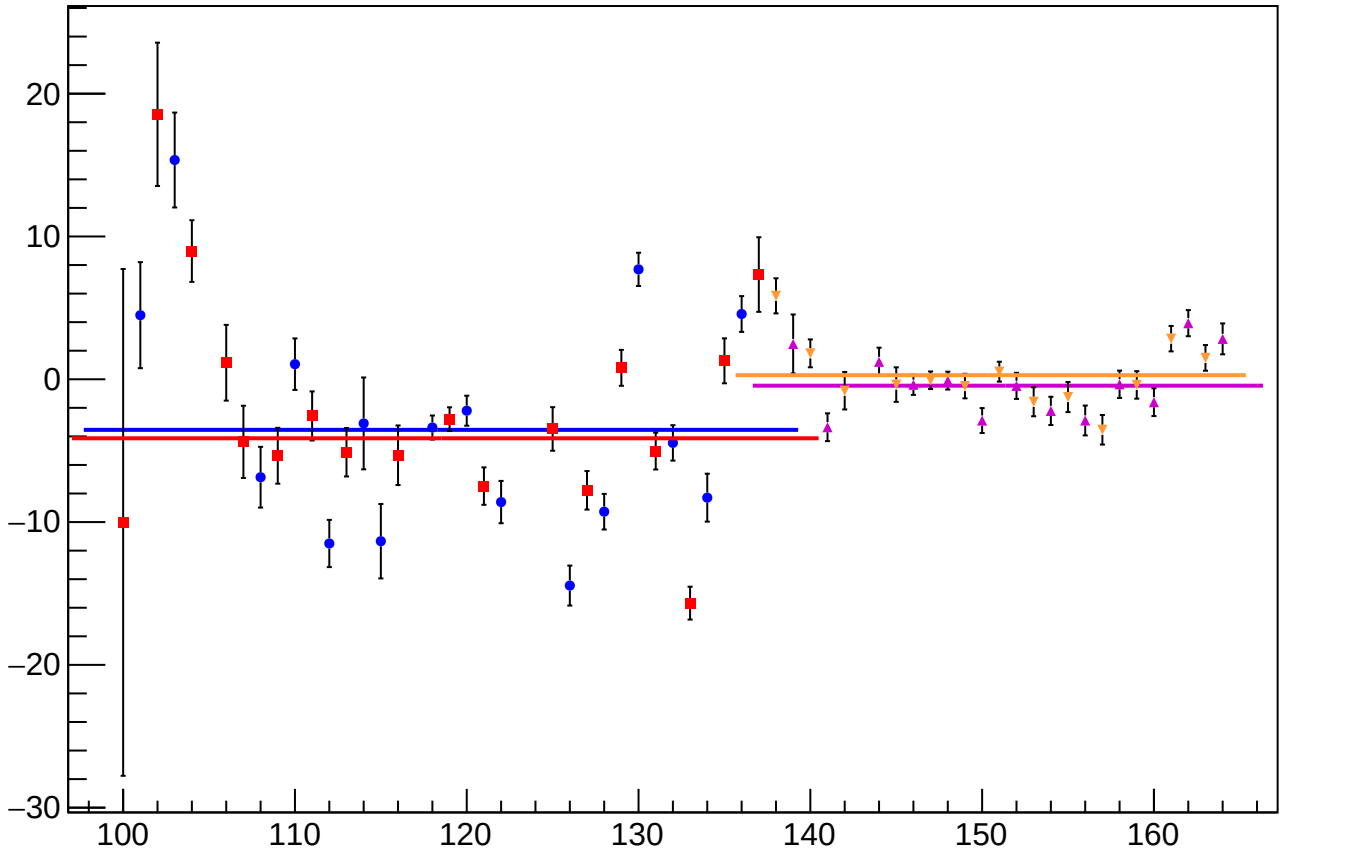
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.304+/-0.370 χ^2/NDF:189.6/12

+ sign -9.713+/-0.257 χ^2/NDF: 5075.9/28

All: -8.888+/-0.180 χ^2/NDF: 10357.4/59

- 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: 0.285+/-0.255 χ^2/NDF:54.8/12

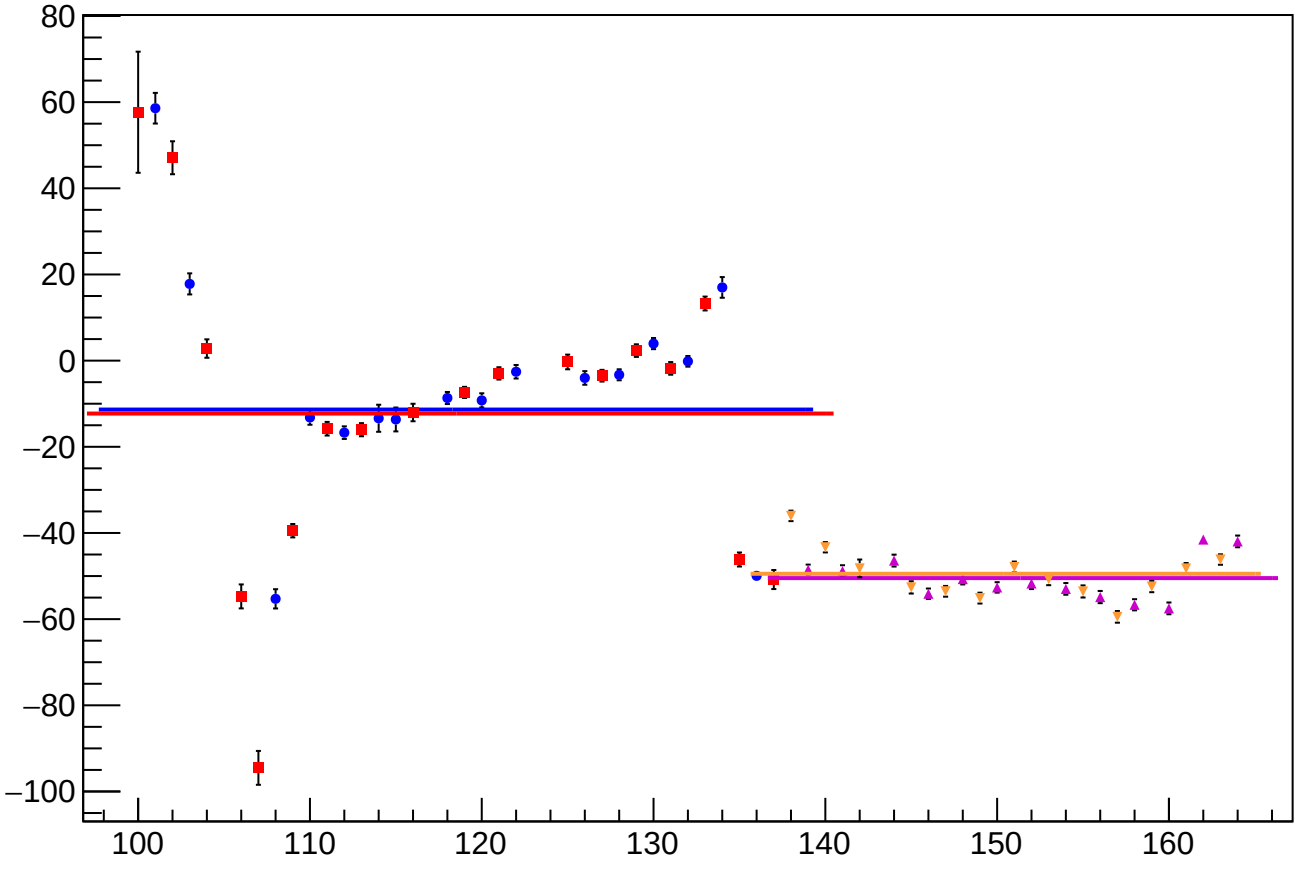
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.449+/-0.254 χ^2/NDF:64.1/12

+ sign -0.980+/-0.209 χ^2/NDF: 446.1/28

All: -1.301+/-0.148 χ^2/NDF: 809.5/59

- sign -1.627+/-0.210 χ^2/NDF: 358.7/30



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.473+/-0.366 χ^2/NDF:263.0/12

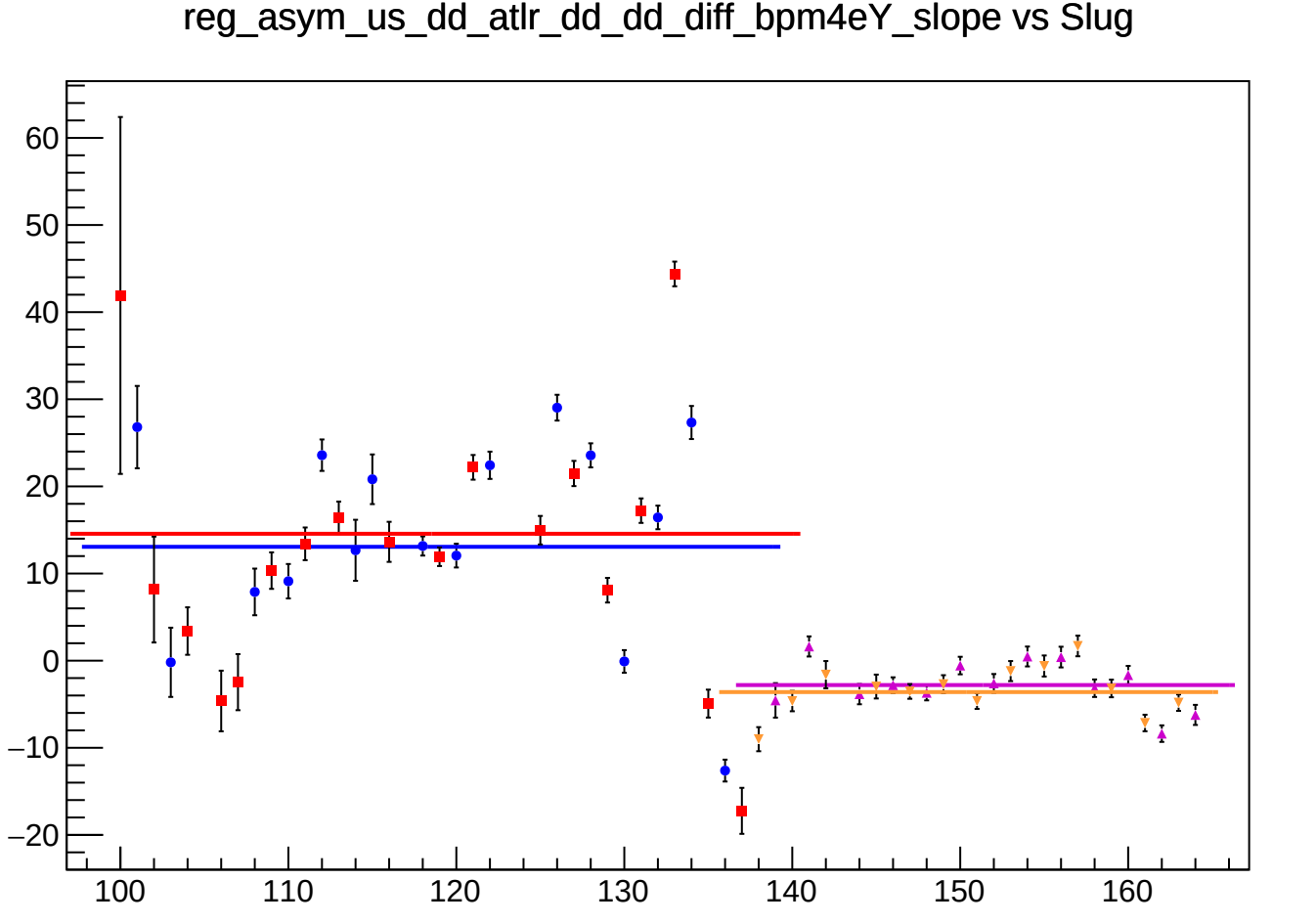
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.475+/-0.357 χ^2/NDF:189.1/12

+ sign -32.357+/-0.272 χ^2/NDF: 7789.0/28

All: -33.269+/-0.192 χ^2/NDF: 15488.5/59

- 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: -3.605+/-0.300 χ^2/NDF:66.3/12

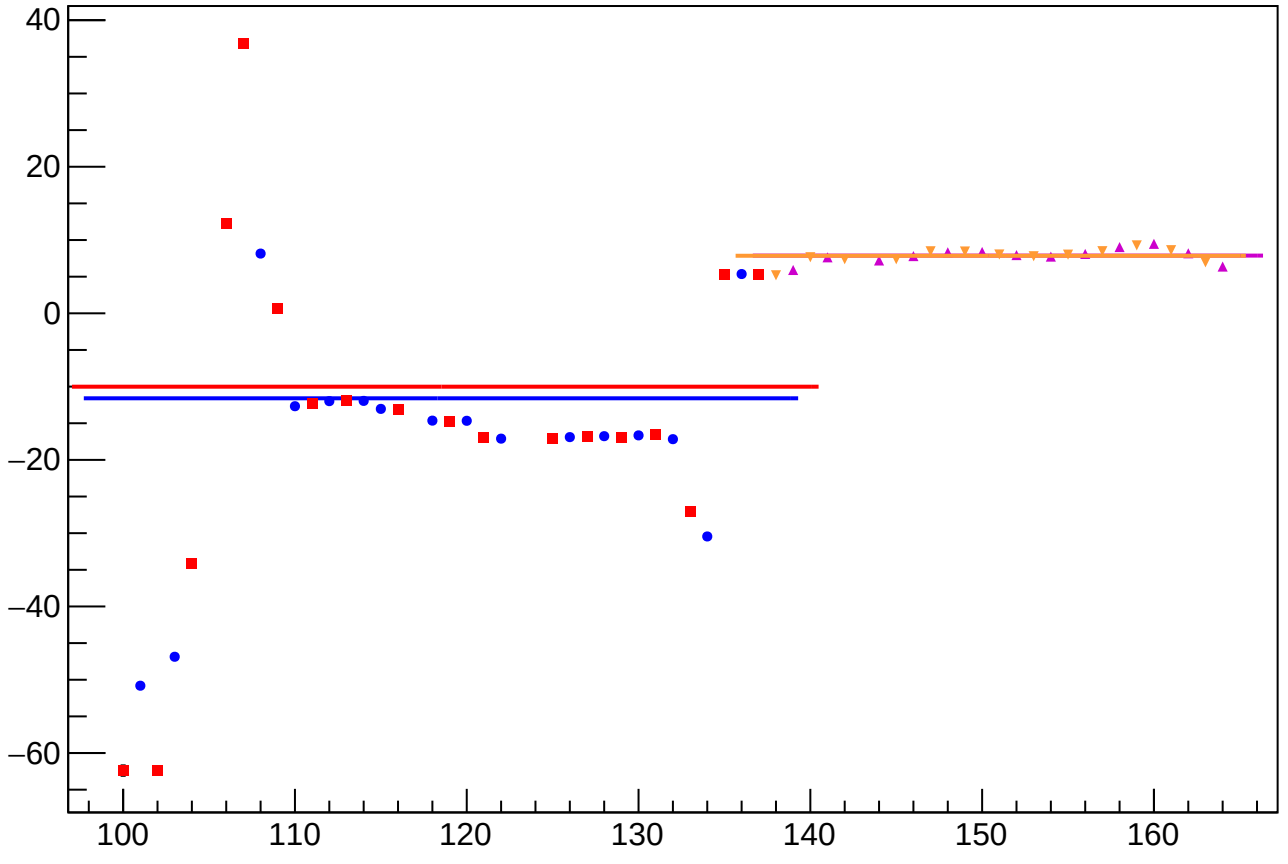
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.801+/-0.297 χ^2/NDF:82.6/12

\+ sign 2.115+/-0.243 χ^2/NDF: 1991.2/28

All: 2.524+/-0.172 χ^2/NDF: 4113.9/59

\- 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: 7.854+/-0.014 χ^2/NDF:5361.9/12

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

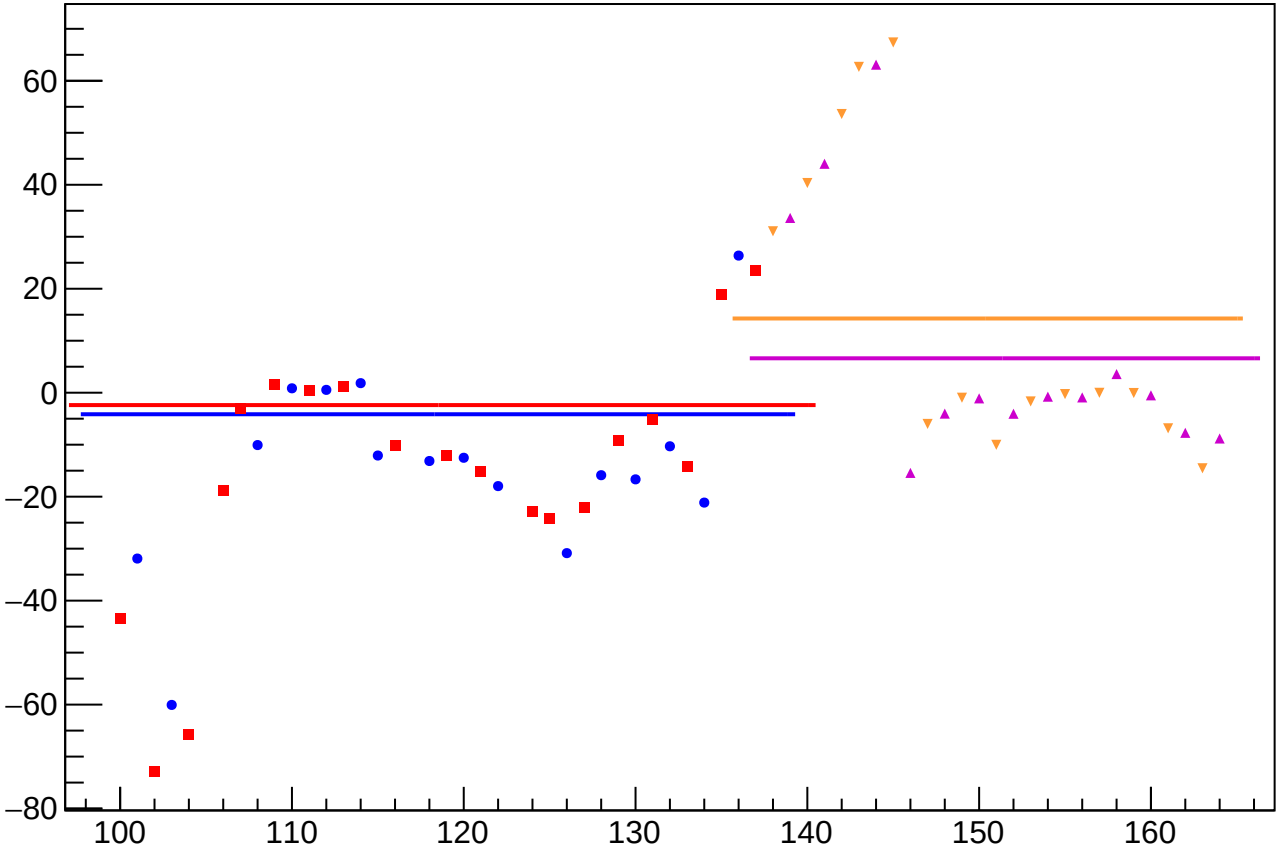
Left In: 7.876+/-0.013 χ^2/NDF:5138.4/12

\+ sign 3.670+/-0.012 χ^2/NDF: 794825.2/28

All: 4.066+/-0.009 χ^2/NDF: 1541769.7/59

\- sign 4.450+/-0.012 χ^2/NDF: 744867.3/30

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 14.275+/-0.070 χ^2/NDF:130897.8/13

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

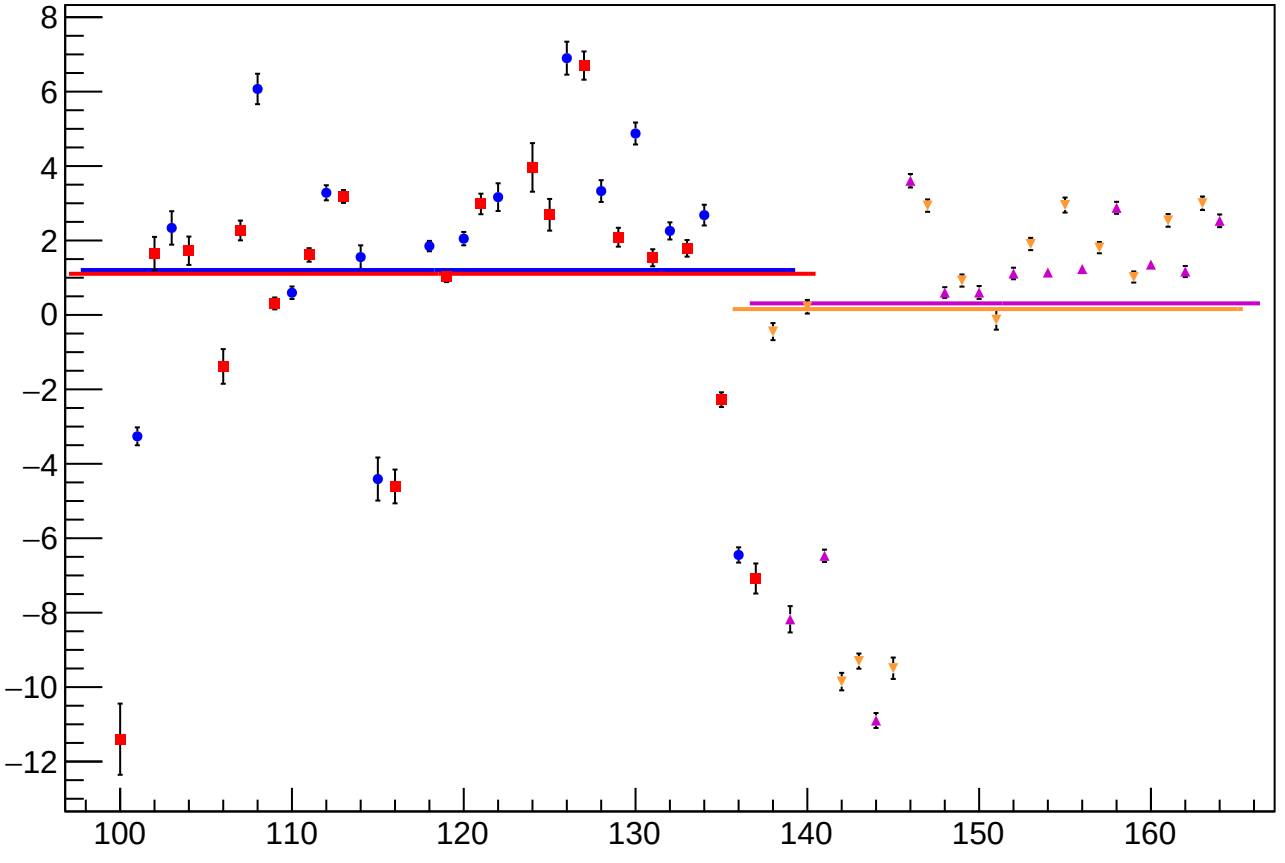
Left In: 6.617+/-0.059 χ^2/NDF:114731.5/12

+ sign 2.821+/-0.043 χ^2/NDF: 249074.7/29

All: 1.776+/-0.028 χ^2/NDF: 459999.8/61

- 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: 0.157+/-0.050 χ^2/NDF:6304.6/13

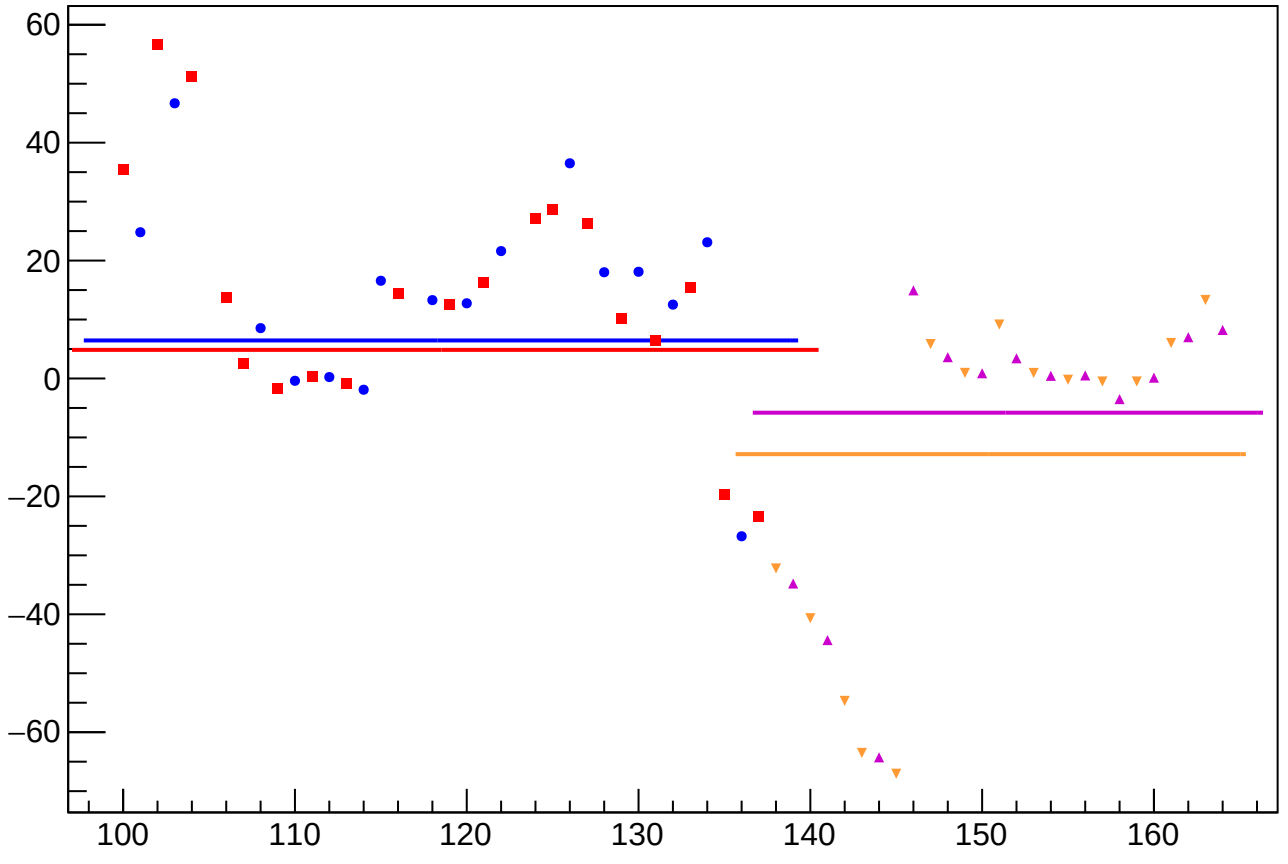
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.311+/-0.041 χ^2/NDF:6380.0/12

+ sign 0.580+/-0.038 χ^2/NDF: 9068.9/29

All: 0.583+/-0.025 χ^2/NDF: 17162.6/61

- sign 0.585+/-0.034 χ^2/NDF: 8093.7/31



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -12.835+/-0.068 χ^2/NDF:130324.2/13

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

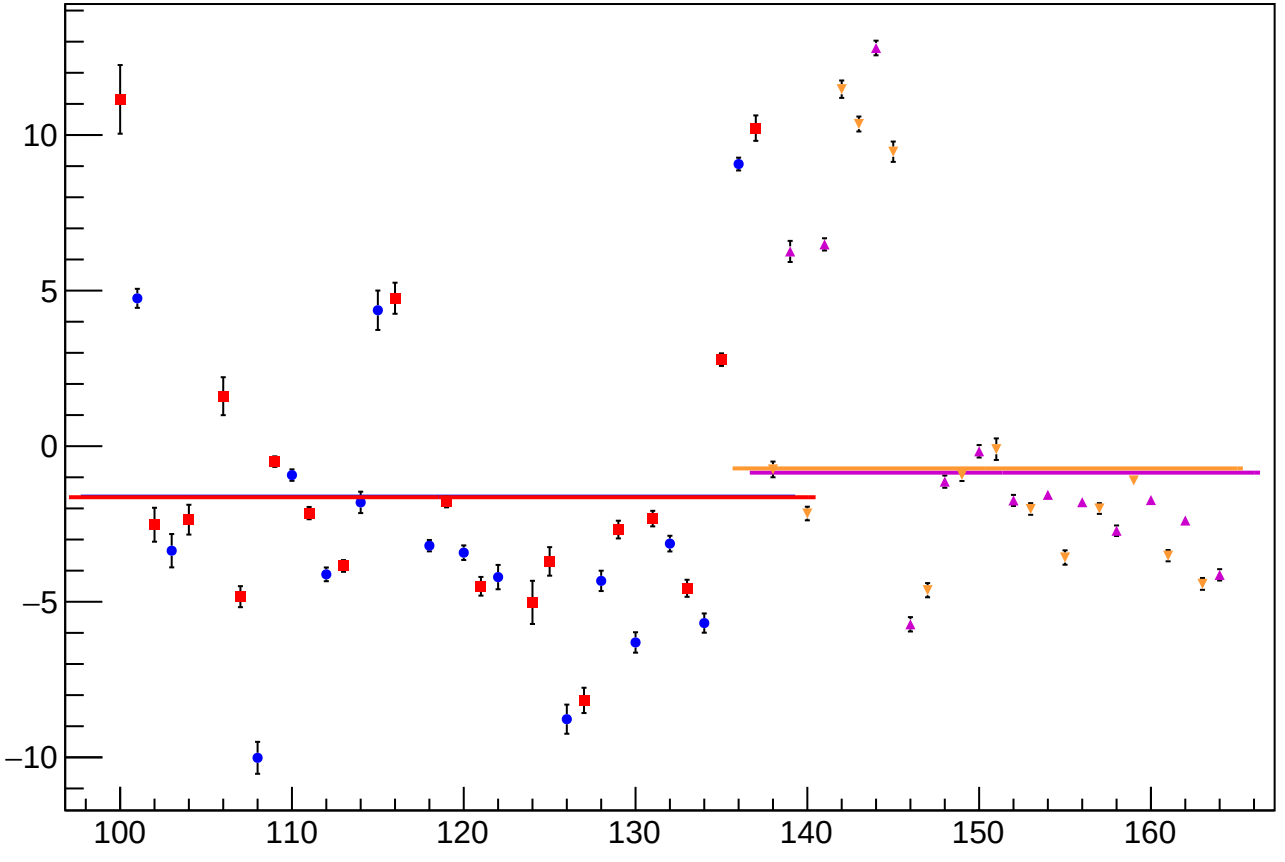
Left In: -5.802+/-0.056 χ^2/NDF:113500.5/12

\+ sign -2.809+/-0.047 χ^2/NDF: 243004.5/29

All: -1.627+/-0.031 χ^2/NDF: 449908.4/61

\- sign -0.738+/-0.041 χ^2/NDF: 205796.7/31

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.714+/-0.057 χ^2/NDF:6226.1/13

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

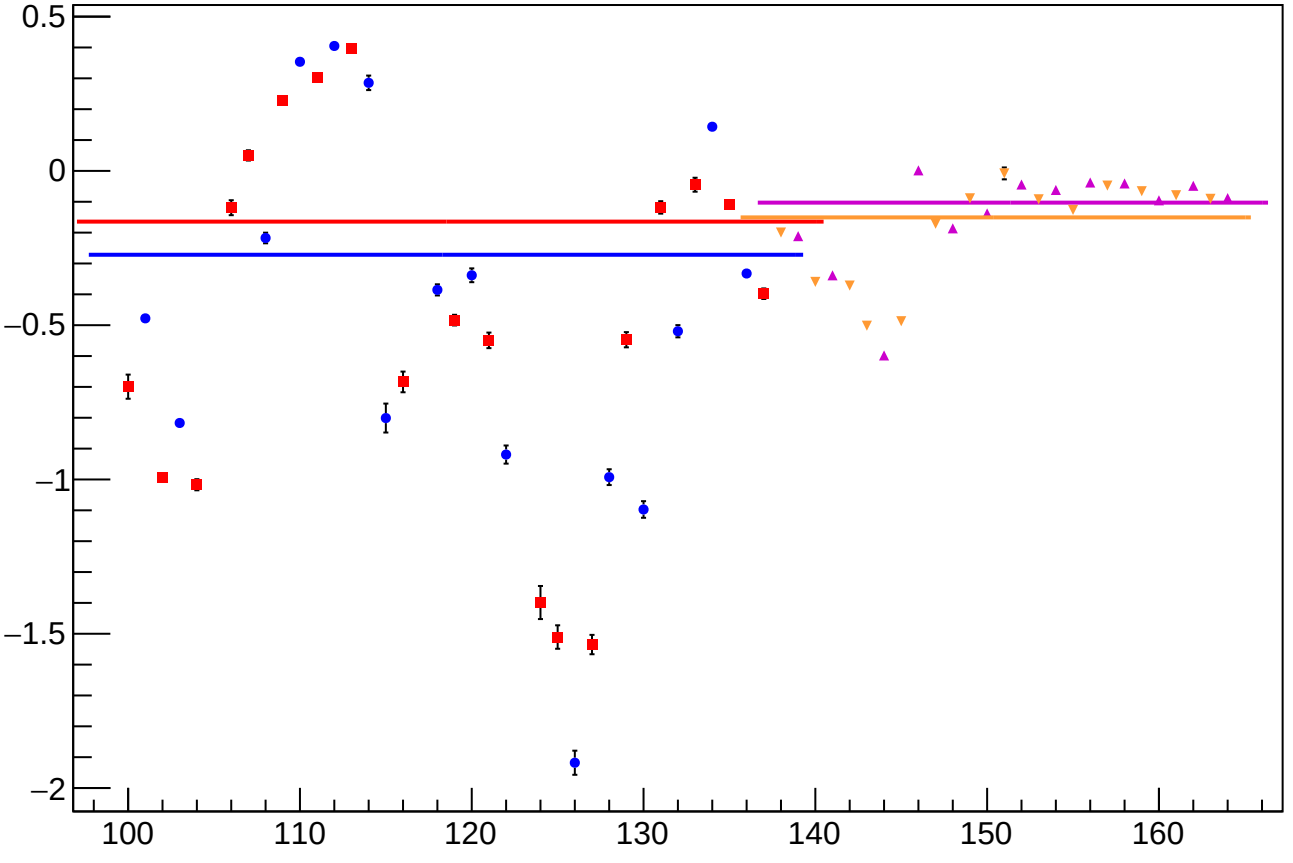
Left In: -0.851+/-0.047 χ^2/NDF:6359.5/12

+ sign -1.078+/-0.044 χ^2/NDF: 10853.2/29

All: -1.105+/-0.029 χ^2/NDF: 19773.1/61

- sign -1.125+/-0.038 χ^2/NDF: 8919.2/31

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.151+/-0.003 χ^2/NDF:2850.9/13

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

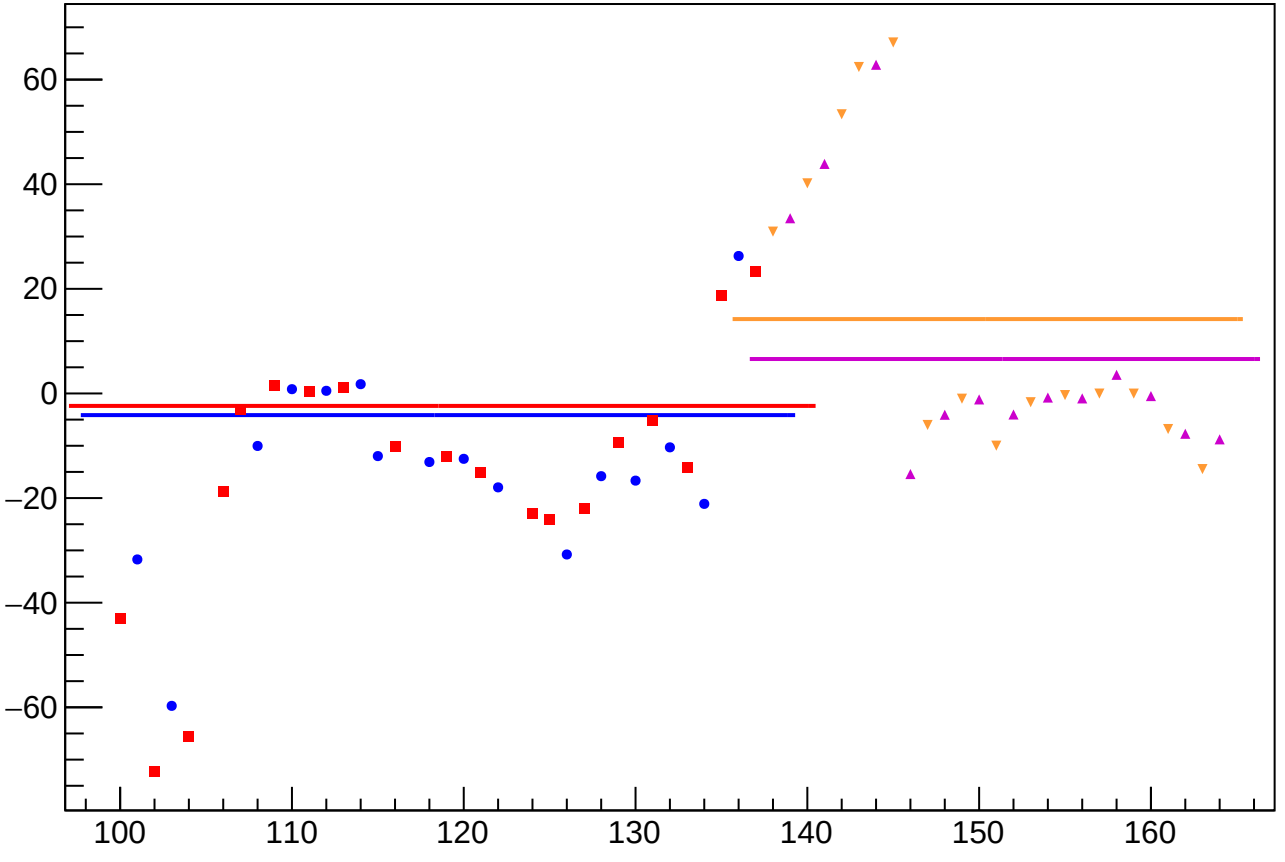
Left In: -0.103+/-0.002 χ^2/NDF:2989.9/12

+ sign -0.183+/-0.002 χ^2/NDF: 15521.8/29

All: -0.144+/-0.001 χ^2/NDF: 34784.1/61

- 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: 14.218+/-0.070 χ^2/NDF:130650.2/13

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

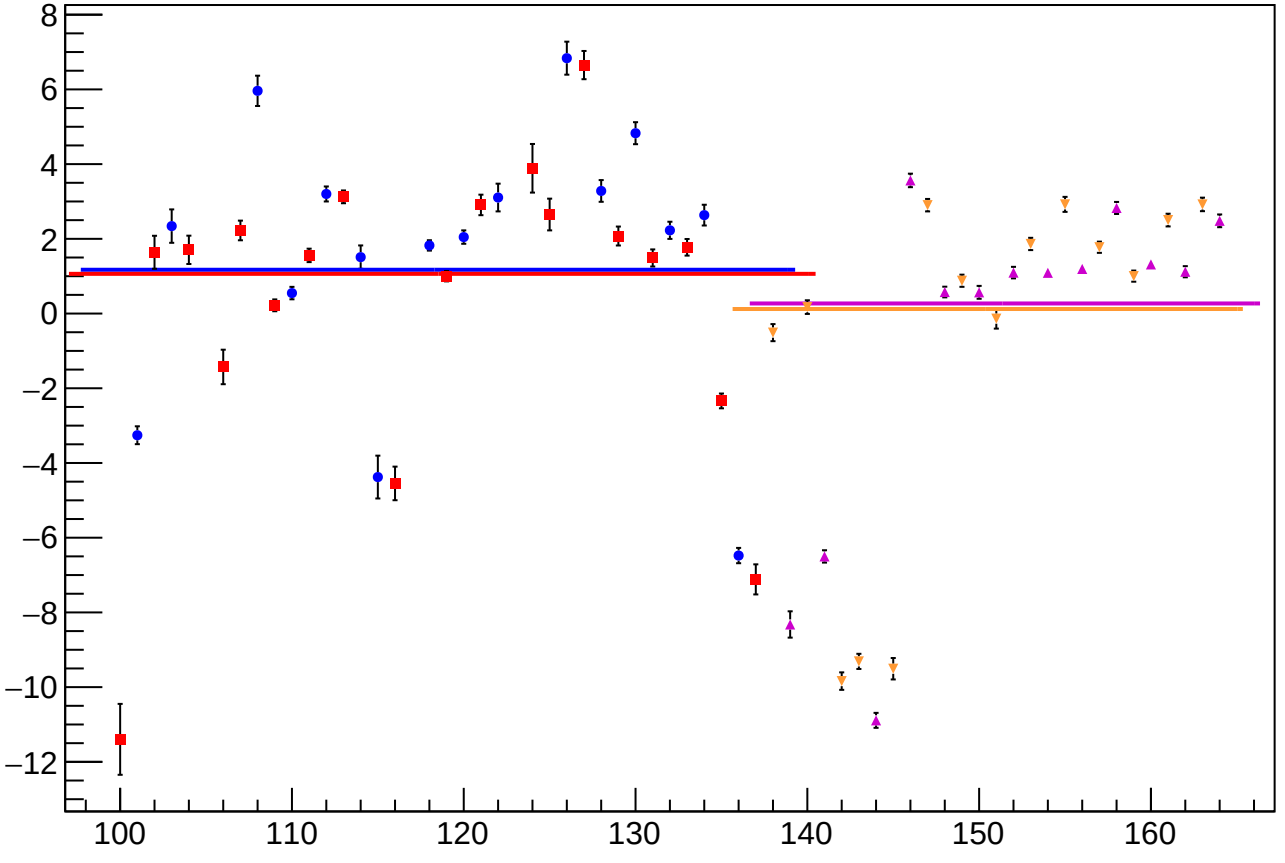
Left In: 6.584+/-0.059 χ^2/NDF:114616.9/12

+ sign 2.777+/-0.043 χ^2/NDF: 248878.1/29

All: 1.741+/-0.028 χ^2/NDF: 459603.0/61

- 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: 0.122+/-0.050 χ^2/NDF:6306.4/13

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

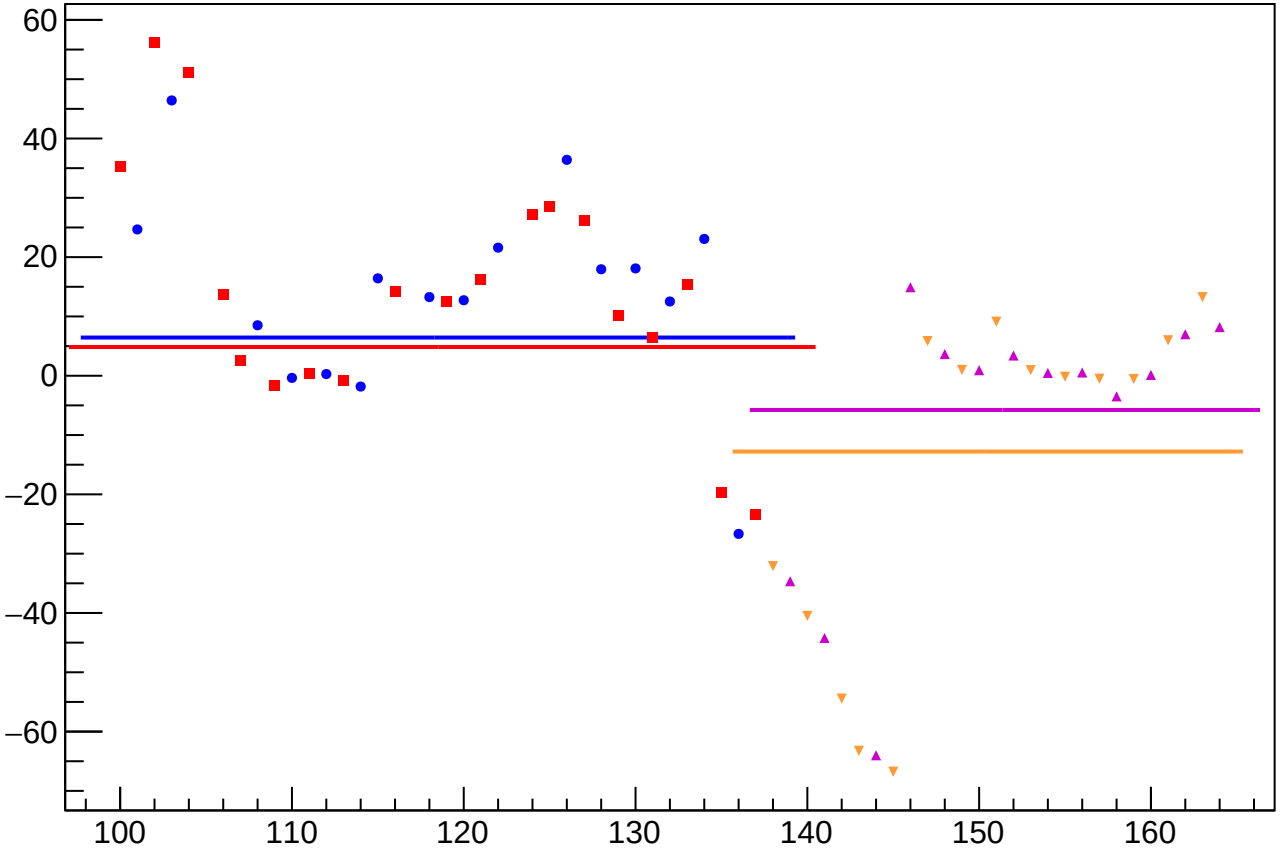
Left In: 0.270+/-0.041 χ^2/NDF:6397.2/12

+ sign 0.547+/-0.038 χ^2/NDF: 9072.7/29

All: 0.545+/-0.025 χ^2/NDF: 17193.3/61

- 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: -12.782+/-0.068 χ^2/NDF:130080.7/13

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

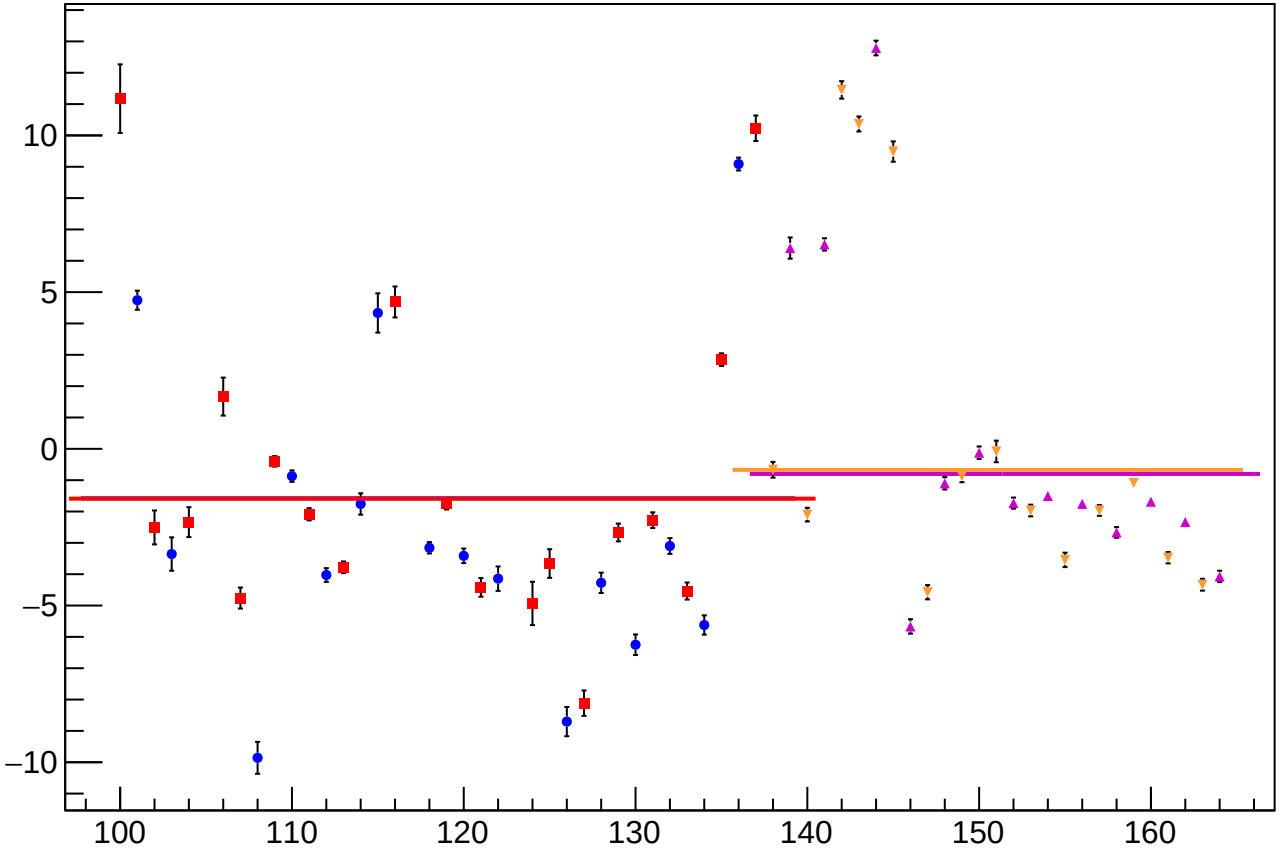
Left In: -5.771+/-0.056 χ^2/NDF:113384.4/12

+ sign -2.767+/-0.047 χ^2/NDF: 242803.9/29

All: -1.592+/-0.031 χ^2/NDF: 449503.7/61

- 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: -0.671+/-0.057 χ^2/NDF:6220.8/13

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

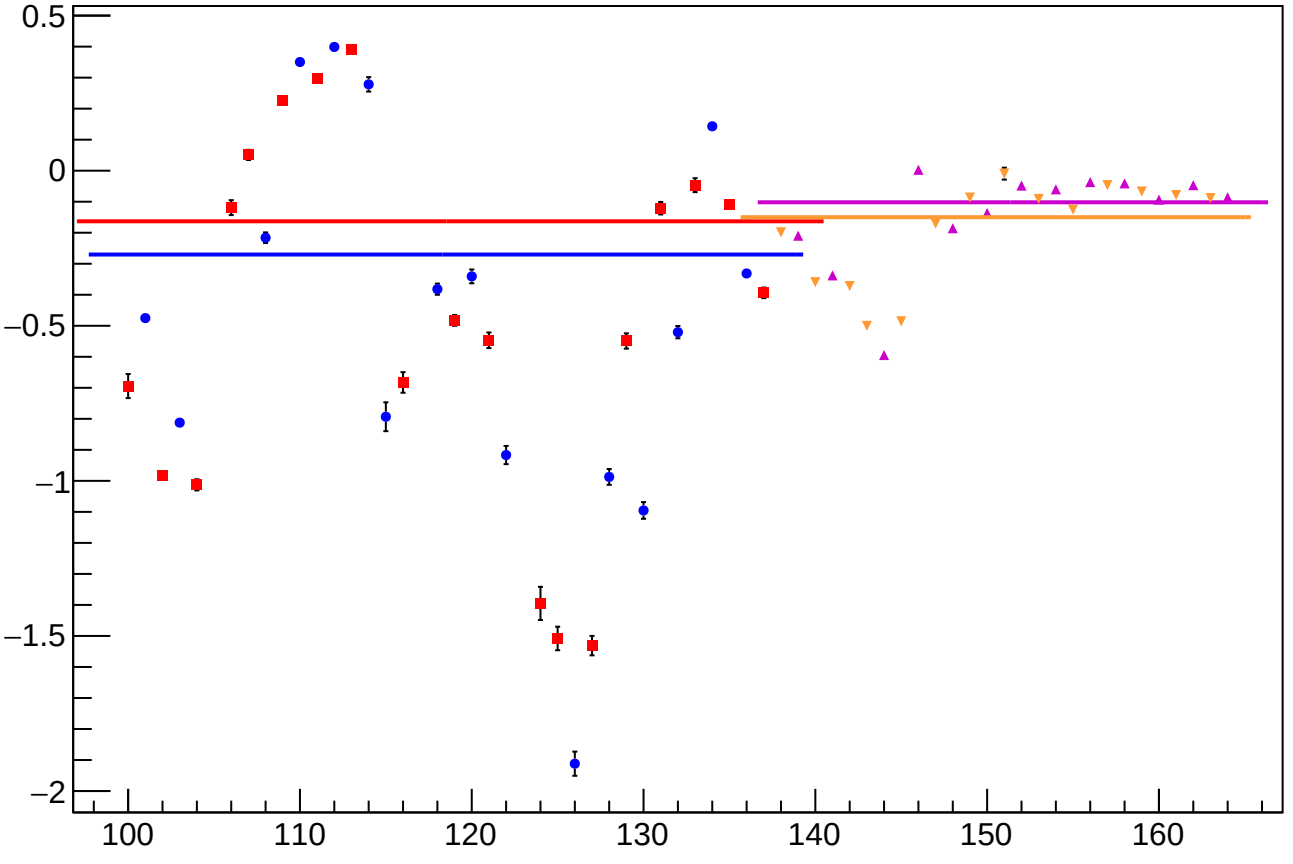
Left In: -0.802+/-0.047 χ^2/NDF:6374.3/12

+ sign -1.036+/-0.044 χ^2/NDF: 10848.1/29

All: -1.059+/-0.029 χ^2/NDF: 19792.9/61

- 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: -0.150+/-0.002 χ^2/NDF:2863.6/13

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

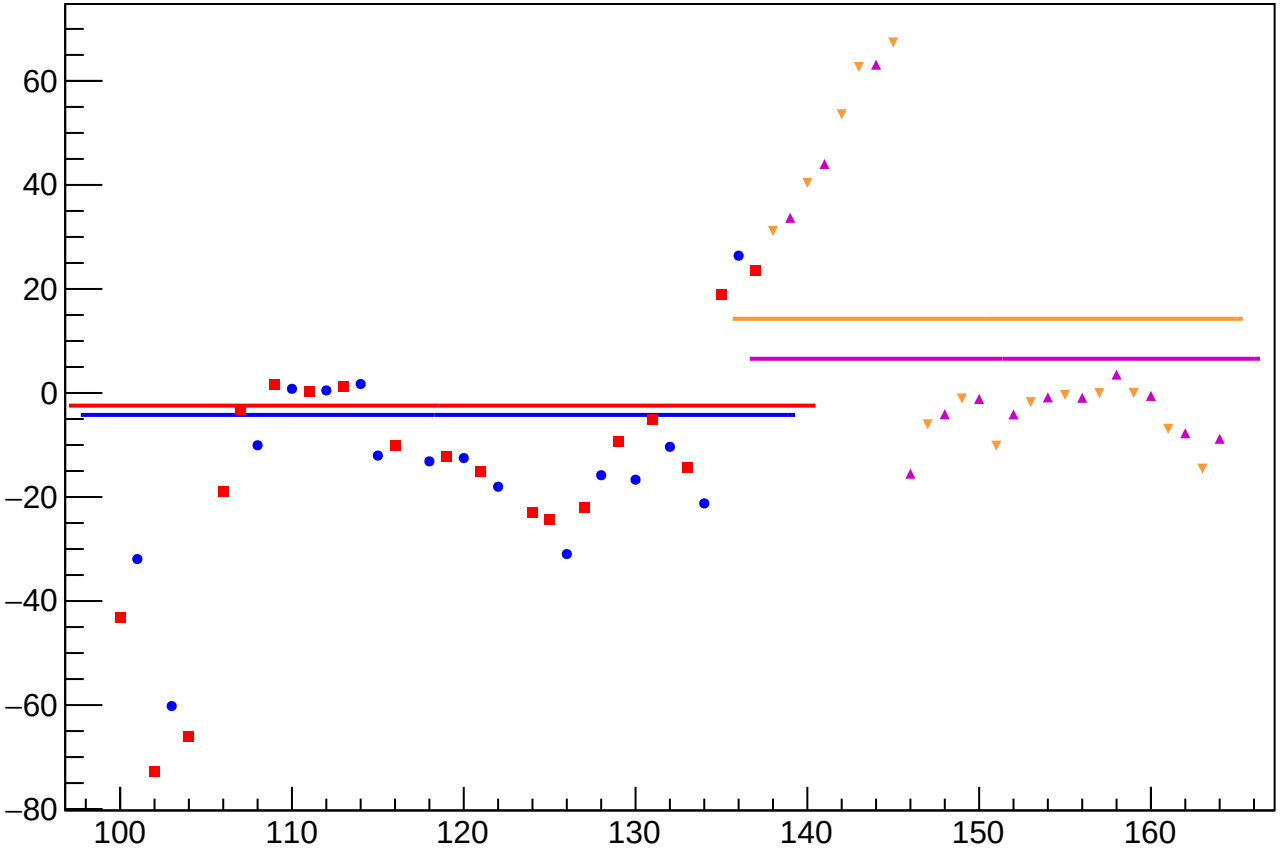
Left In: -0.102+/-0.002 χ^2/NDF:2979.8/12

+ sign -0.182+/-0.002 χ^2/NDF: 15520.4/29

All: -0.143+/-0.001 χ^2/NDF: 34792.2/61

- 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: 14.263+/-0.070 χ^2/NDF:130978.8/13

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

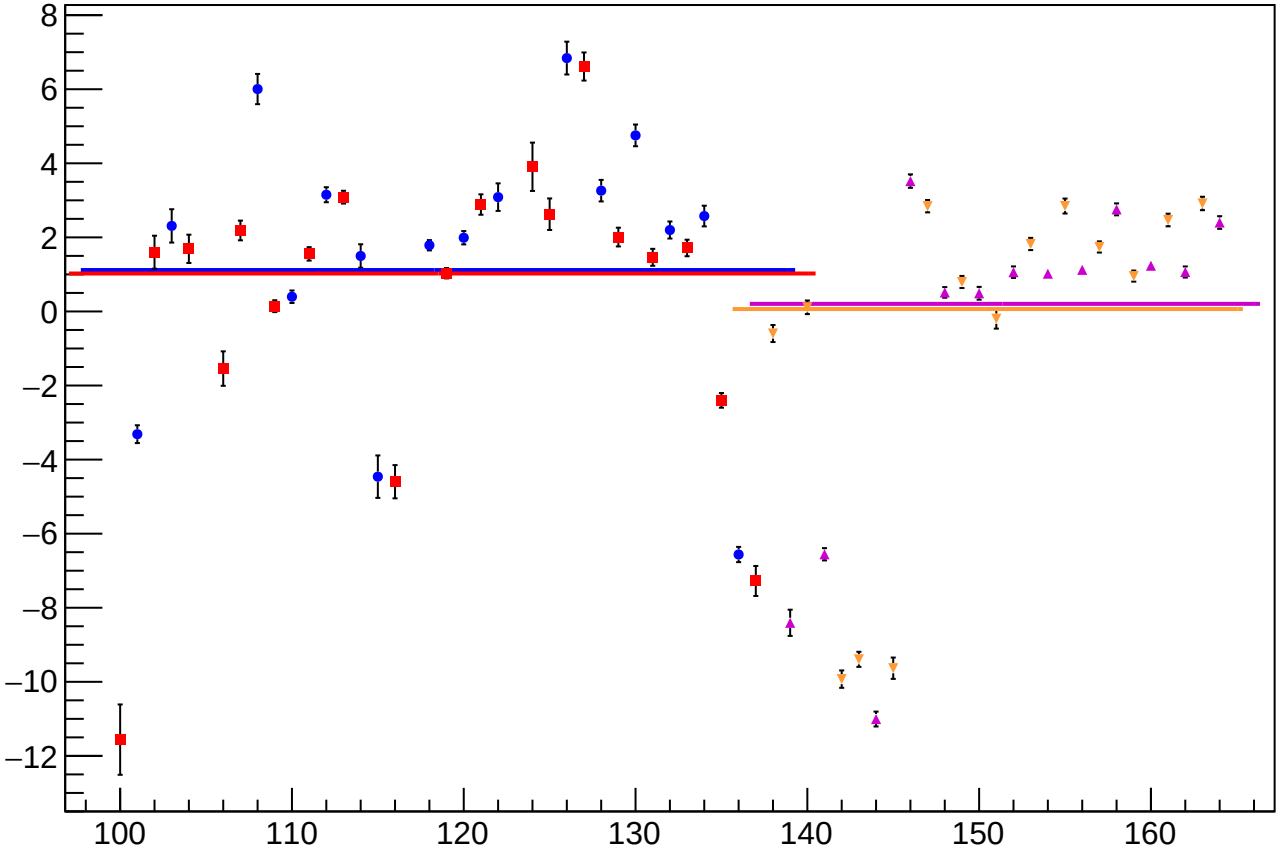
Left In: 6.581+/-0.059 χ^2/NDF:114765.1/12

+ sign 2.769+/-0.043 χ^2/NDF: 249300.0/29

All: 1.730+/-0.028 χ^2/NDF: 460225.6/61

- 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: 0.065+/-0.050 χ^2/NDF:6312.0/13

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

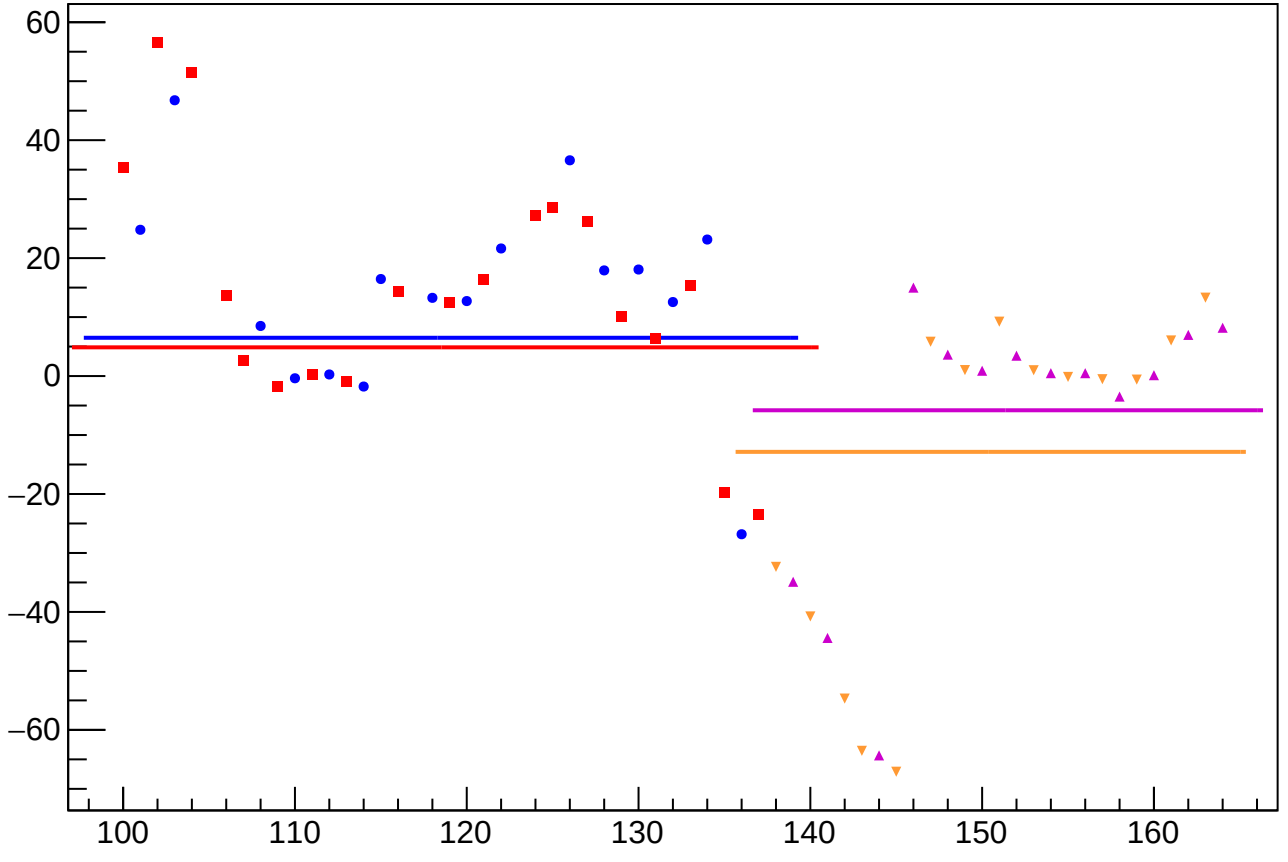
Left In: 0.205+/-0.042 χ^2/NDF:6370.8/12

+ sign 0.490+/-0.038 χ^2/NDF: 9084.9/29

All: 0.489+/-0.025 χ^2/NDF: 17202.0/61

- 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: -12.854+/-0.068 χ^2/NDF:130421.8/13

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

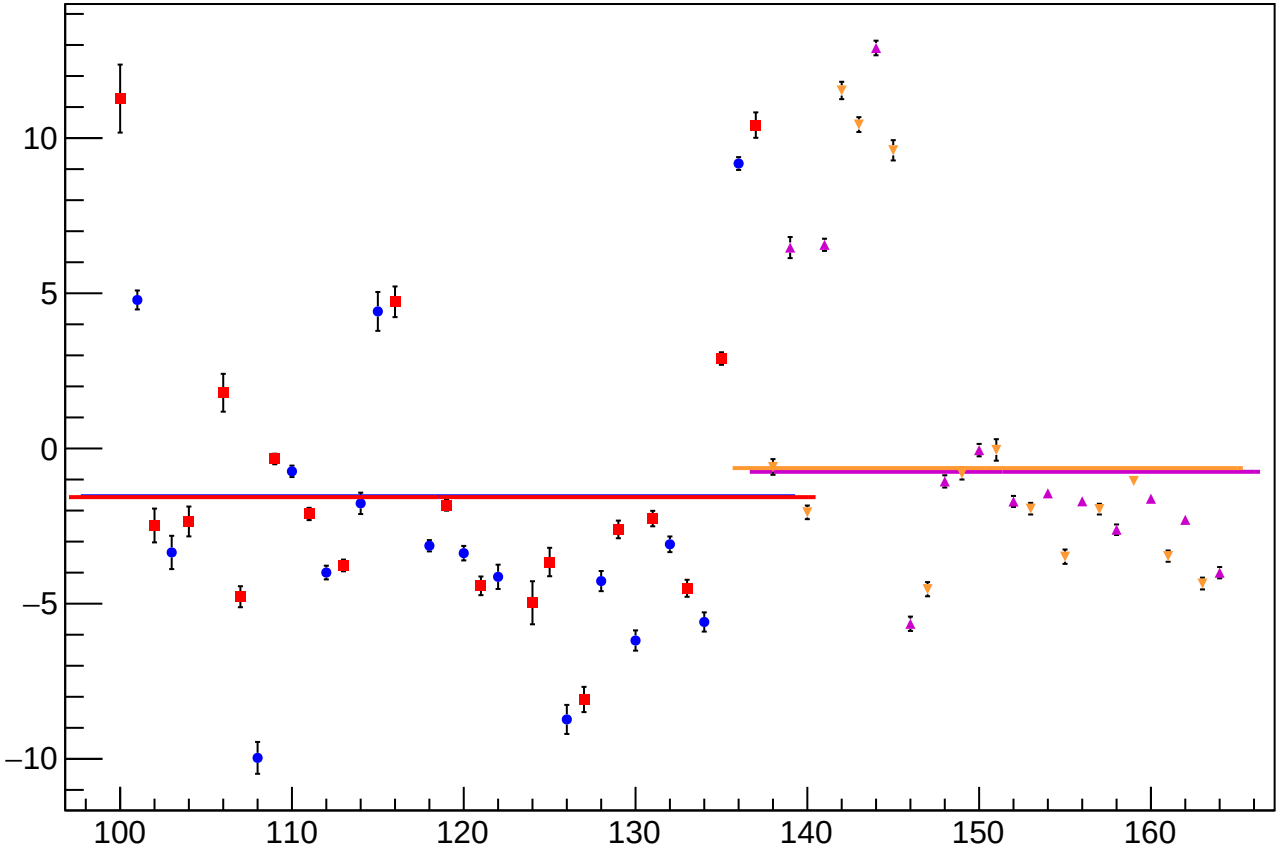
Left In: -5.802+/-0.056 χ^2/NDF:113535.2/12

+ sign -2.790+/-0.047 χ^2/NDF: 243255.4/29

All: -1.615+/-0.031 χ^2/NDF: 450201.0/61

- 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: -0.632+/-0.057 χ^2/NDF:6231.8/13

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

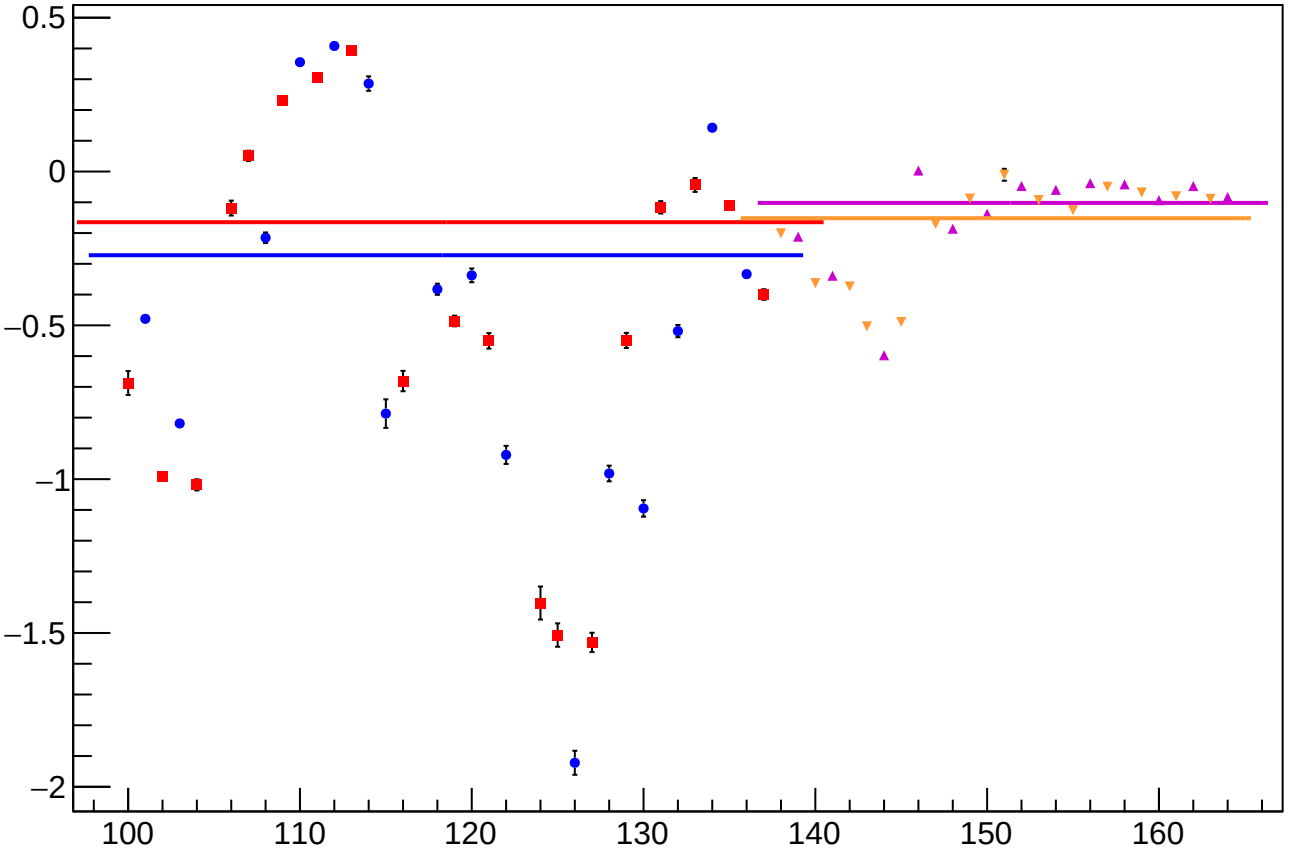
Left In: -0.751+/-0.047 χ^2/NDF:6354.4/12

+ sign -0.997+/-0.044 χ^2/NDF: 10869.6/29

All: -1.019+/-0.029 χ^2/NDF: 19825.6/61

- 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: -0.152+/-0.003 χ^2/NDF:2862.0/13

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

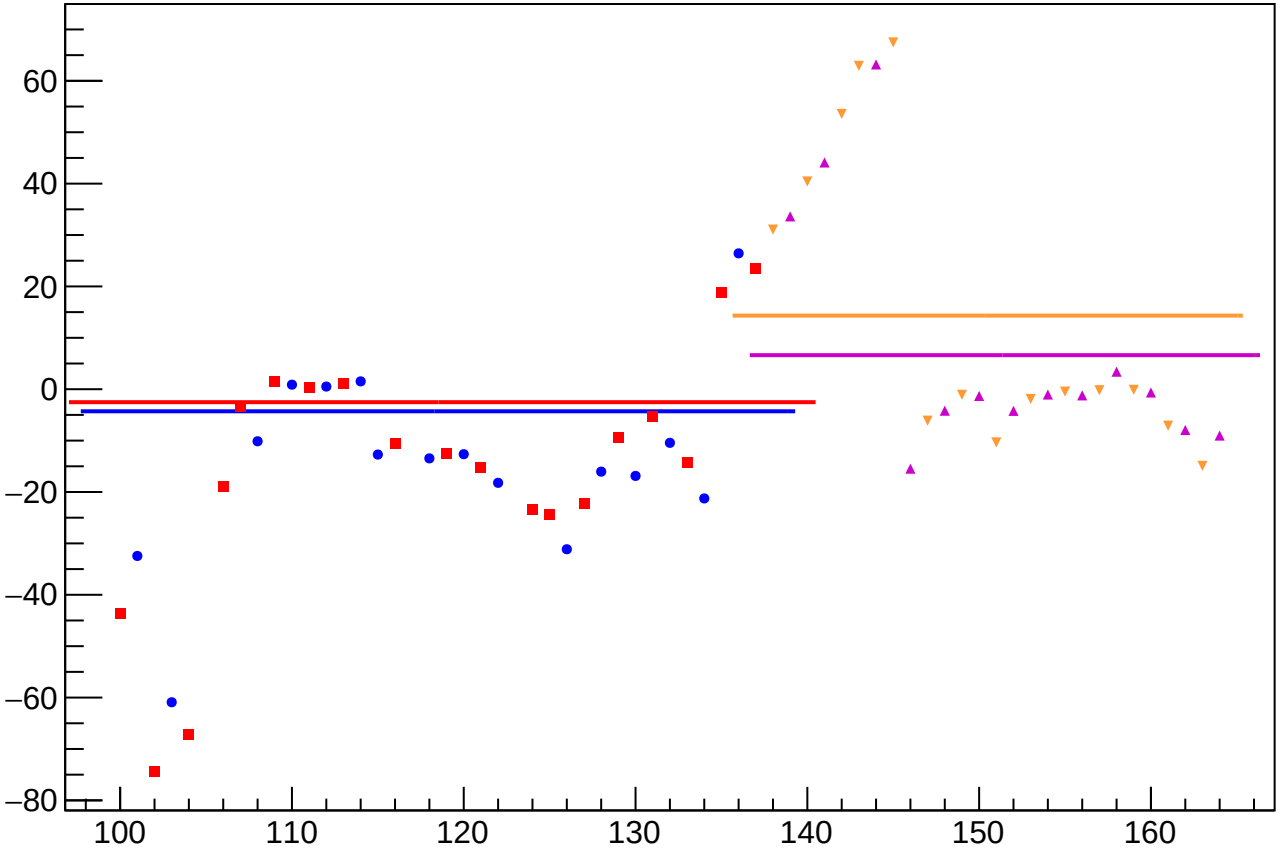
Left In: -0.102+/-0.002 χ^2/NDF:2987.4/12

+ sign -0.184+/-0.002 χ^2/NDF: 15539.9/29

All: -0.144+/-0.001 χ^2/NDF: 34824.8/61

- 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: 14.321+/-0.071 χ^2/NDF:129221.8/13

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

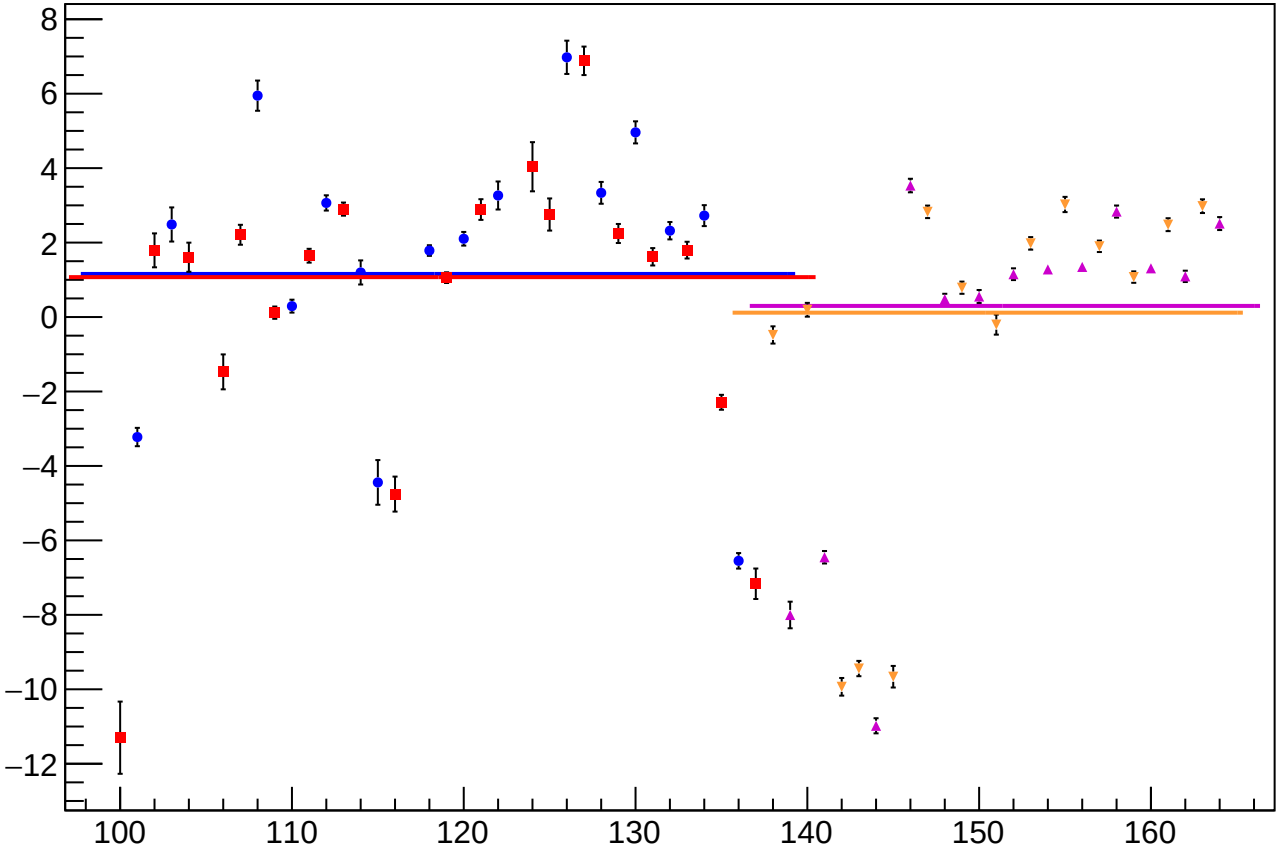
Left In: 6.625+/-0.060 χ^2/NDF:112923.0/12

+ sign 2.785+/-0.044 χ^2/NDF: 245873.9/29

All: 1.721+/-0.028 χ^2/NDF: 453970.1/61

- 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: 0.117+/-0.050 χ^2/NDF:6296.3/13

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

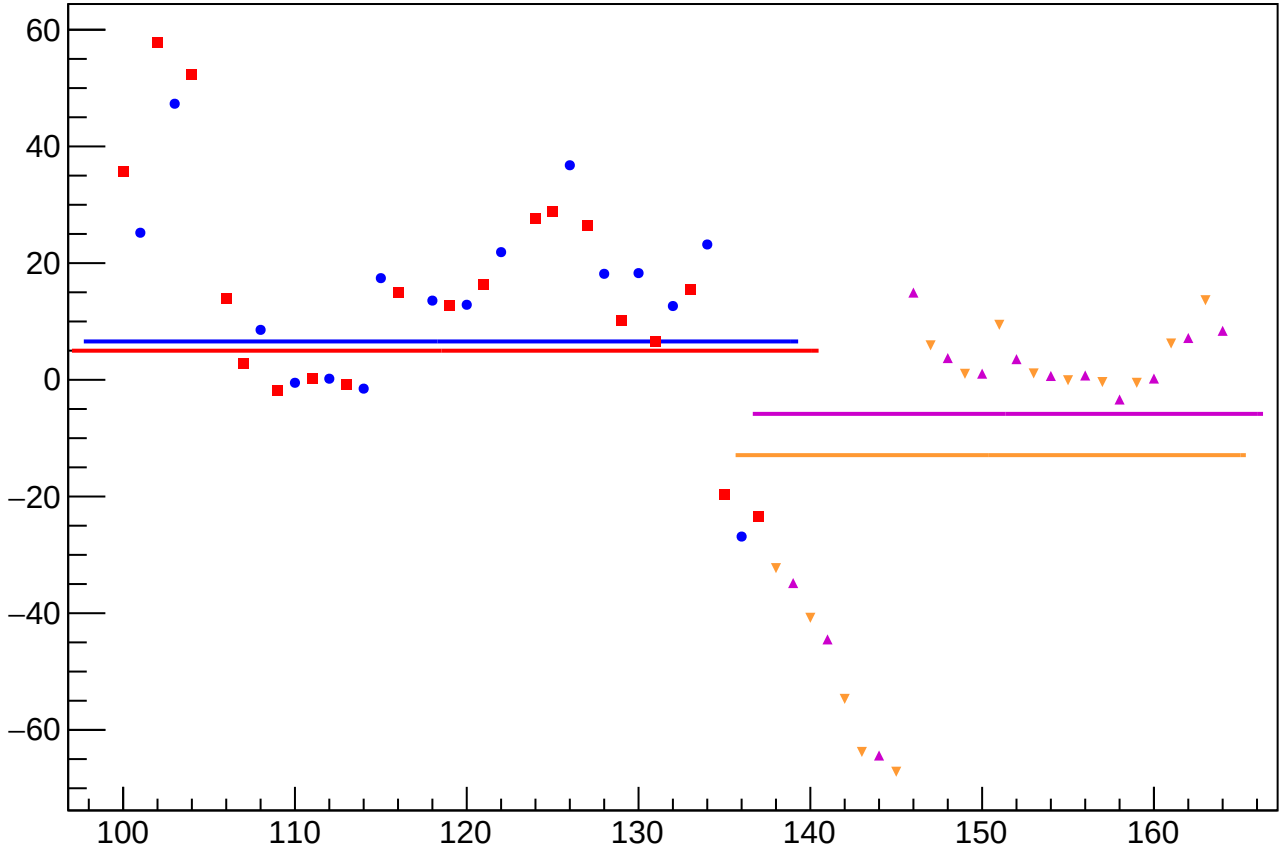
Left In: 0.299+/-0.042 χ^2/NDF:6247.3/12

+ sign 0.535+/-0.039 χ^2/NDF: 9017.3/29

All: 0.553+/-0.026 χ^2/NDF: 16931.3/61

- 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: -12.908+/-0.069 χ^2/NDF:128641.8/13

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

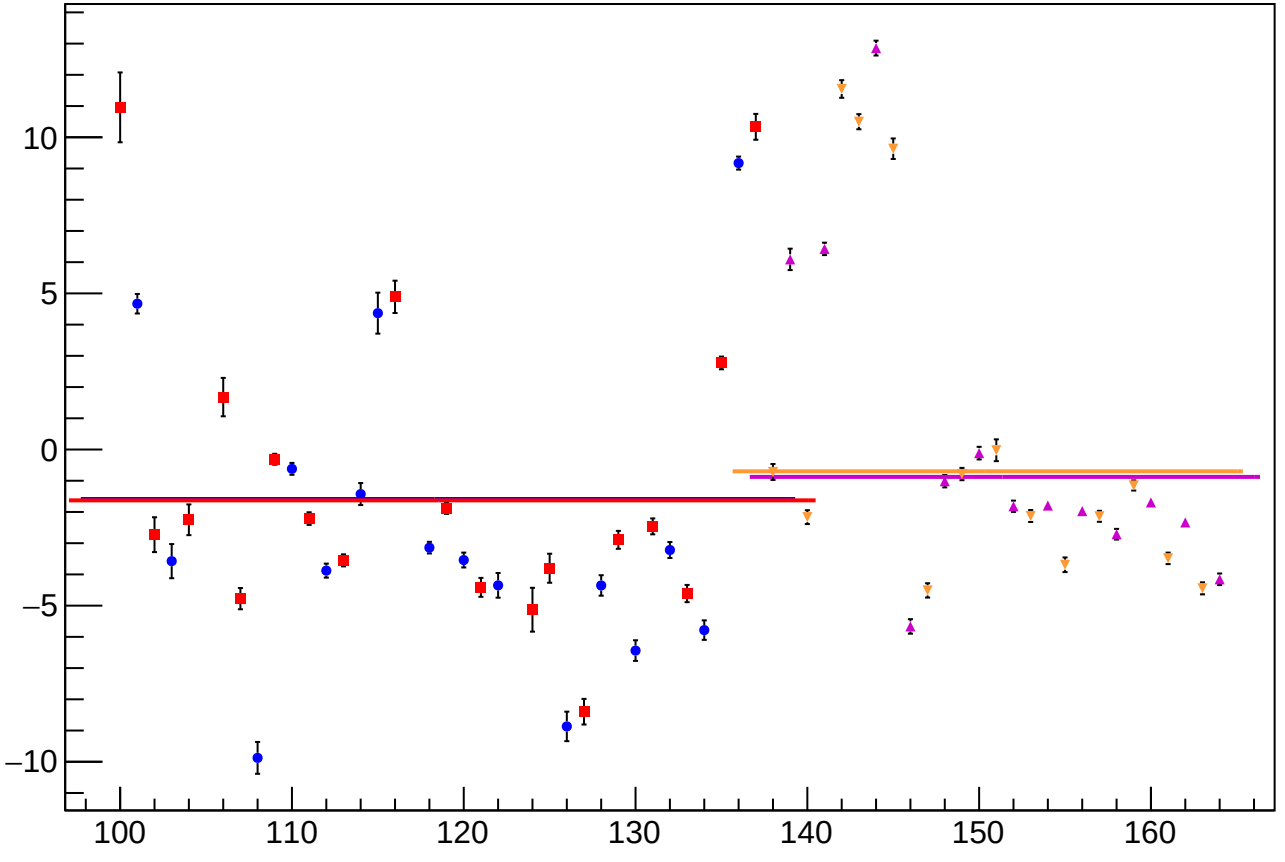
Left In: -5.835+/-0.058 χ^2/NDF:111706.6/12

+ sign -2.810+/-0.048 χ^2/NDF: 239872.5/29

All: -1.603+/-0.031 χ^2/NDF: 443999.7/61

- 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: -0.698+/-0.058 χ^2/NDF:6218.3/13

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

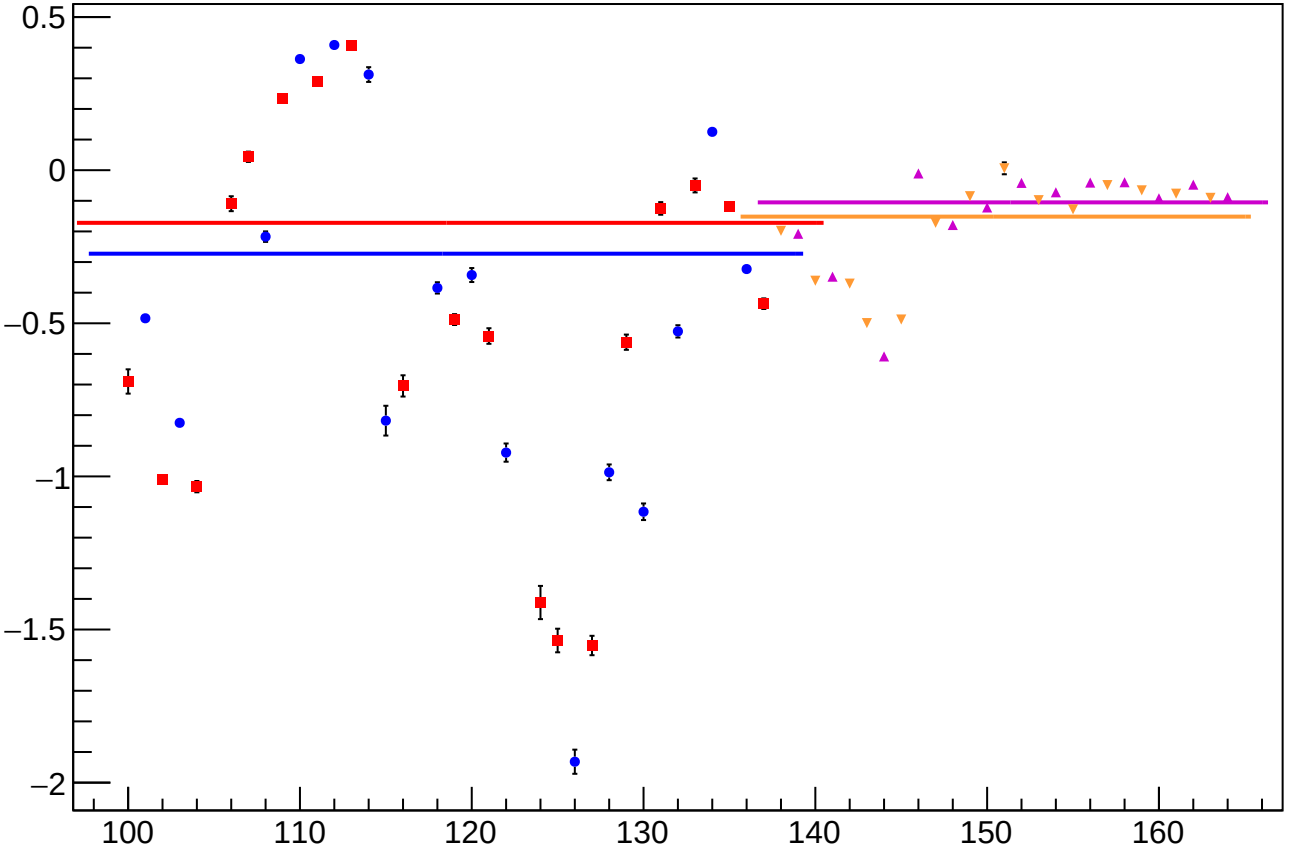
Left In: -0.877+/-0.048 χ^2/NDF:6234.9/12

+ sign -1.053+/-0.045 χ^2/NDF: 10785.2/29

All: -1.102+/-0.029 χ^2/NDF: 19529.2/61

- 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: -0.152+/-0.003 χ^2/NDF:2777.0/13

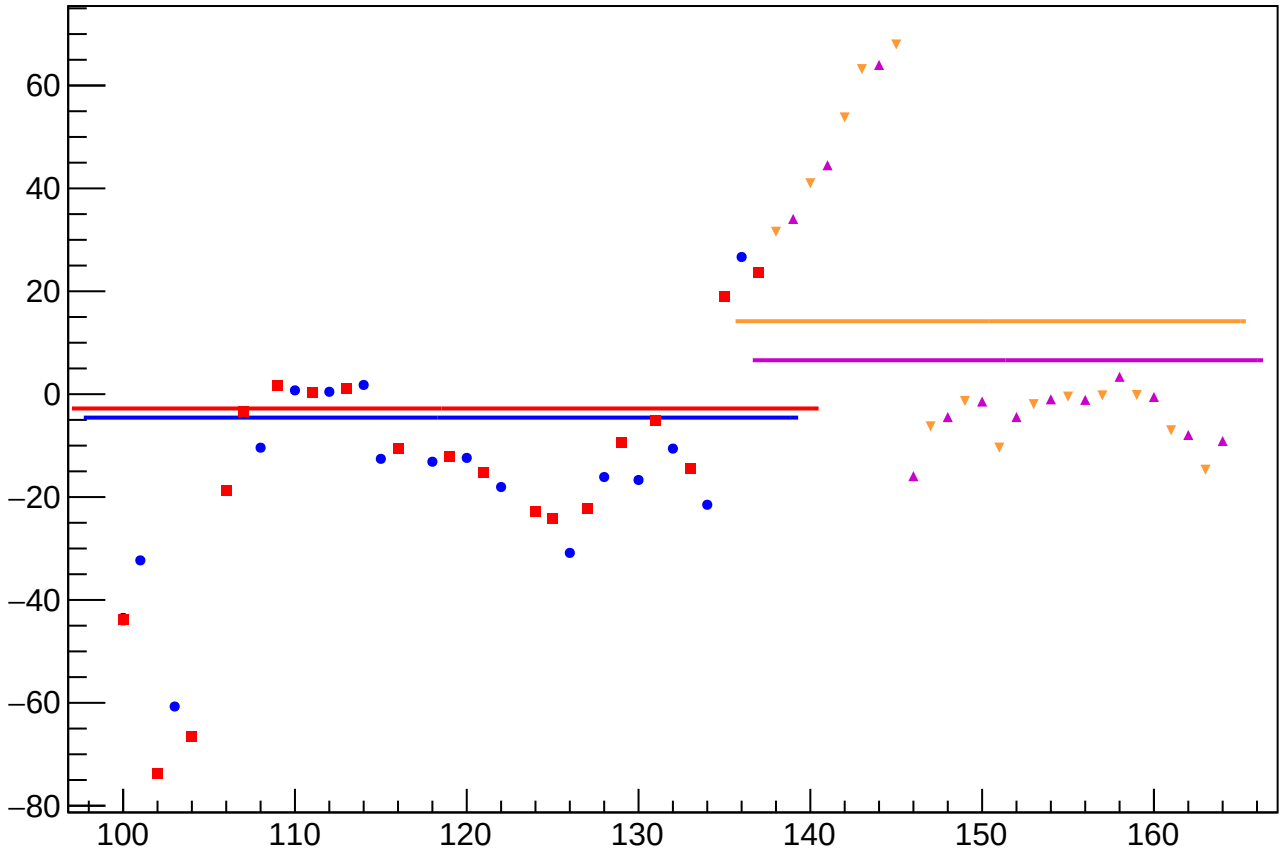
Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.105+/-0.002 χ^2/NDF:2945.4/12

+ sign -0.184+/-0.002 χ^2/NDF: 15236.1/29

All: -0.146+/-0.001 χ^2/NDF: 34243.1/61

- sign -0.120+/-0.002 χ^2/NDF: 18499.9/31



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 14.180+/-0.072 χ^2/NDF:127845.1/13

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

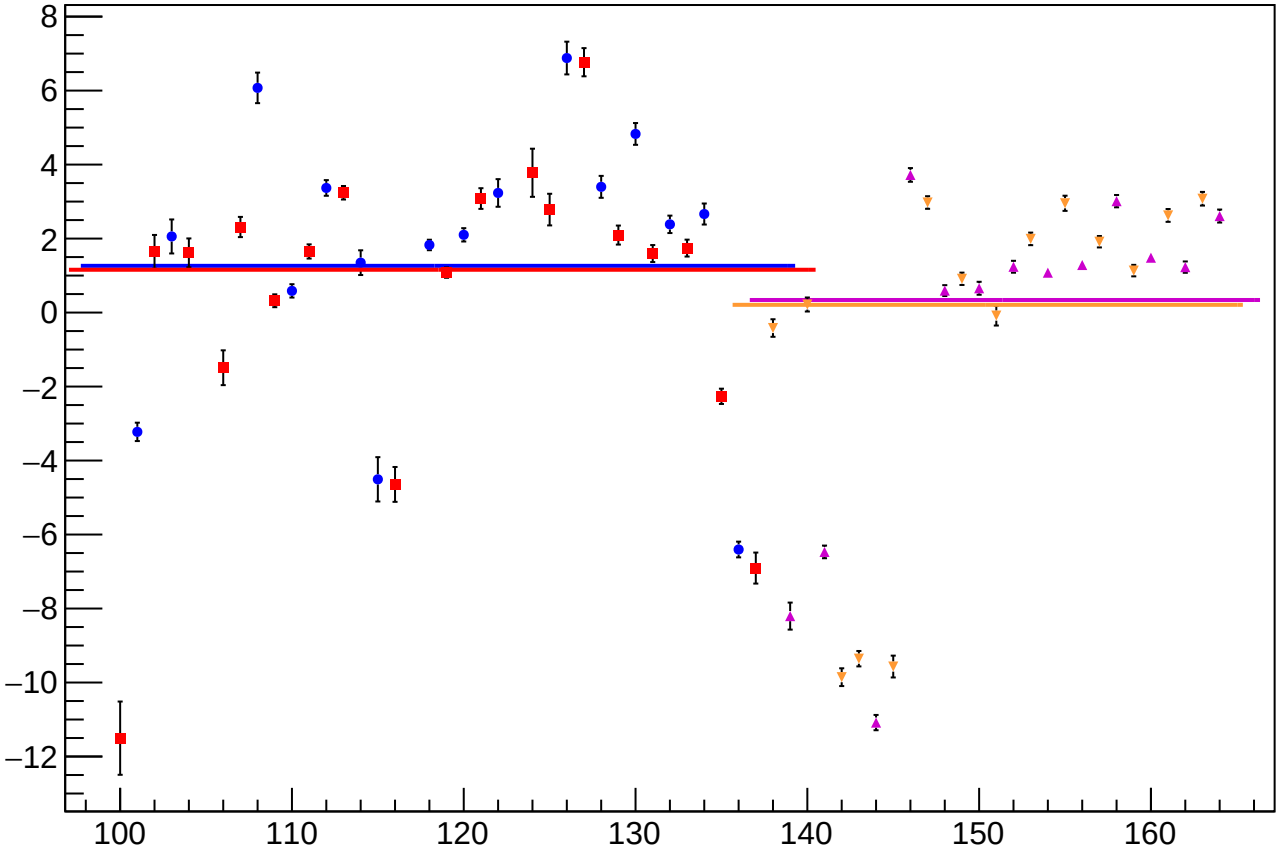
Left In: 6.597+/-0.061 χ^2/NDF:111659.6/12

+ sign 2.635+/-0.045 χ^2/NDF: 242244.0/29

All: 1.595+/-0.029 χ^2/NDF: 447168.6/61

- 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: 0.209+/-0.051 χ^2/NDF:6128.1/13

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

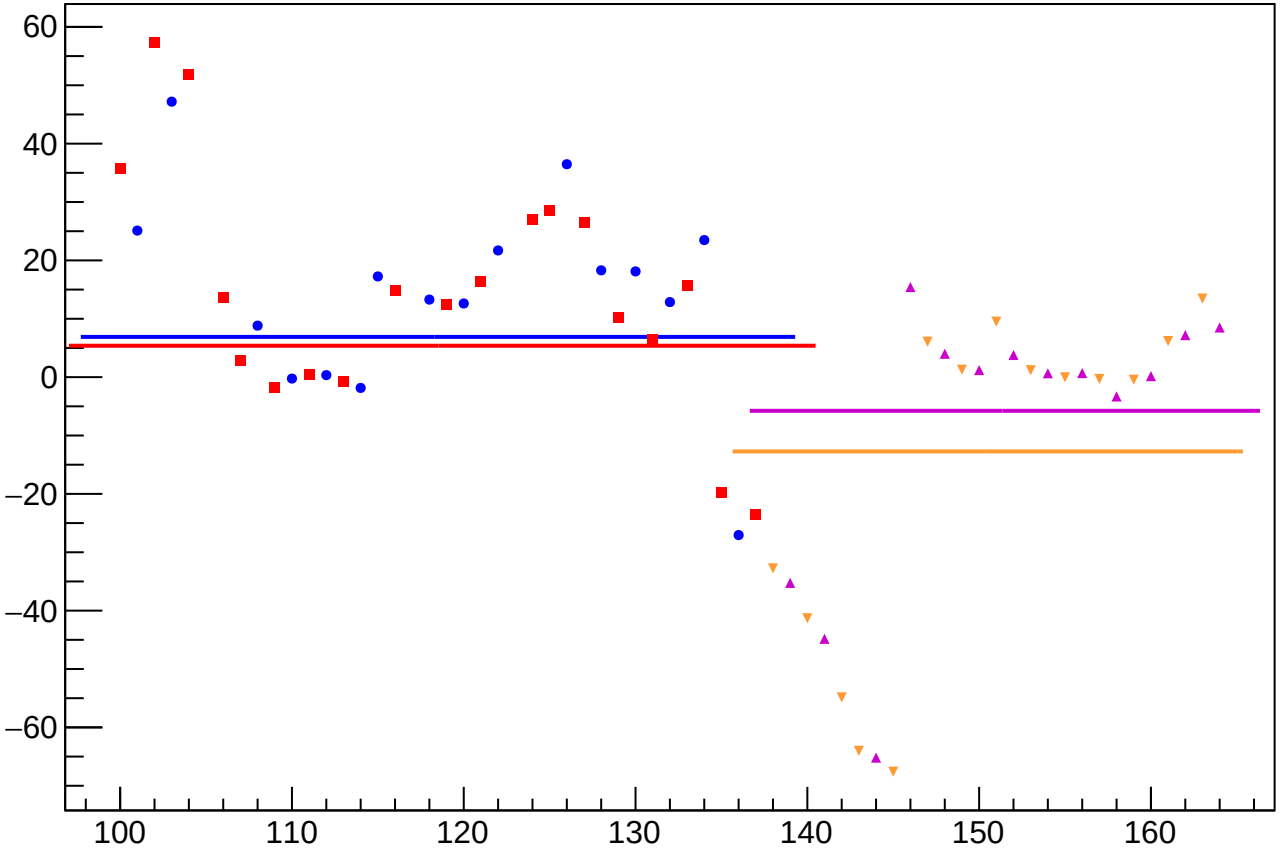
Left In: 0.340+/-0.043 χ^2/NDF:6202.6/12

+ sign 0.633+/-0.039 χ^2/NDF: 8744.4/29

All: 0.628+/-0.026 χ^2/NDF: 16562.4/61

- 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: -12.725+/-0.070 χ^2/NDF:127123.1/13

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

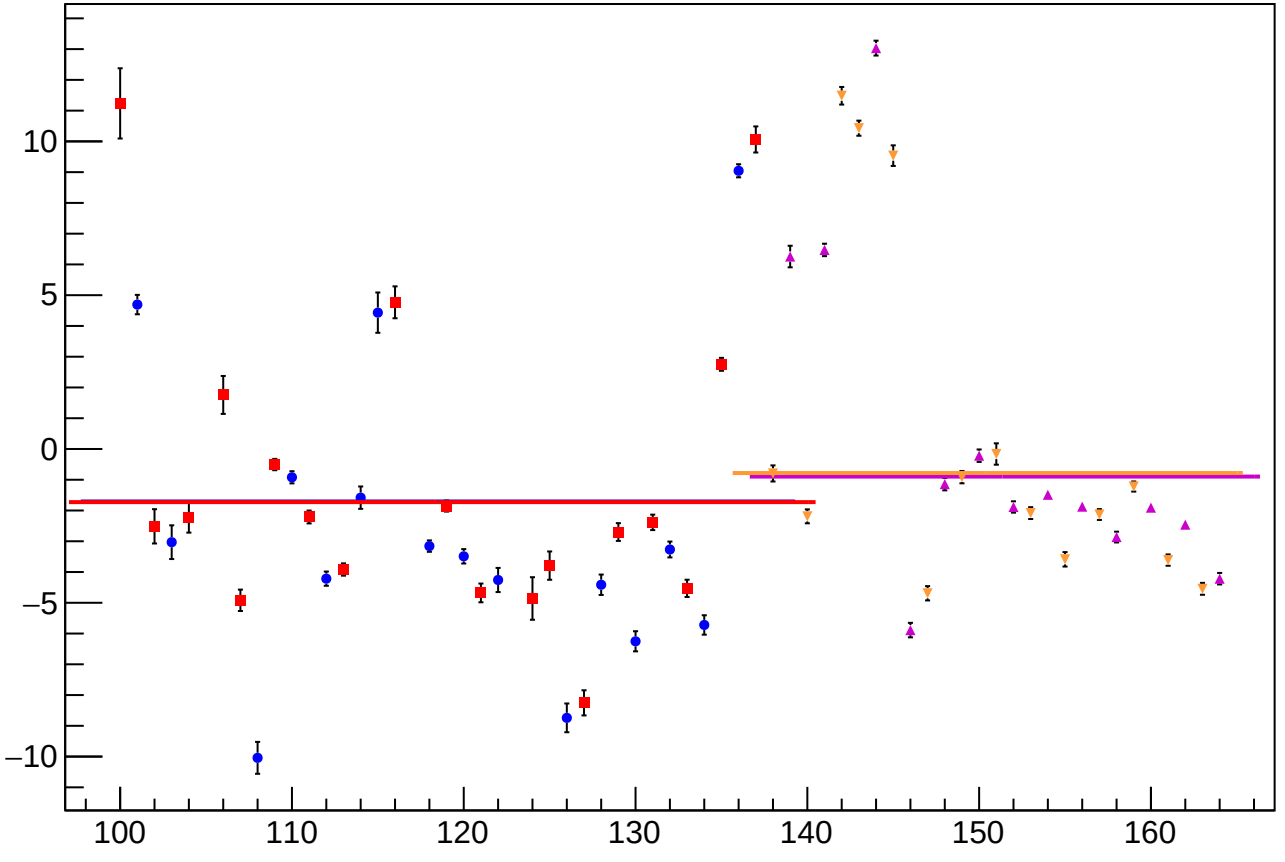
Left In: -5.769+/-0.058 χ^2/NDF:110410.6/12

+ sign -2.592+/-0.048 χ^2/NDF: 236189.1/29

All: -1.407+/-0.032 χ^2/NDF: 437112.5/61

- 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: -0.782+/-0.058 χ^2/NDF:6061.4/13

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

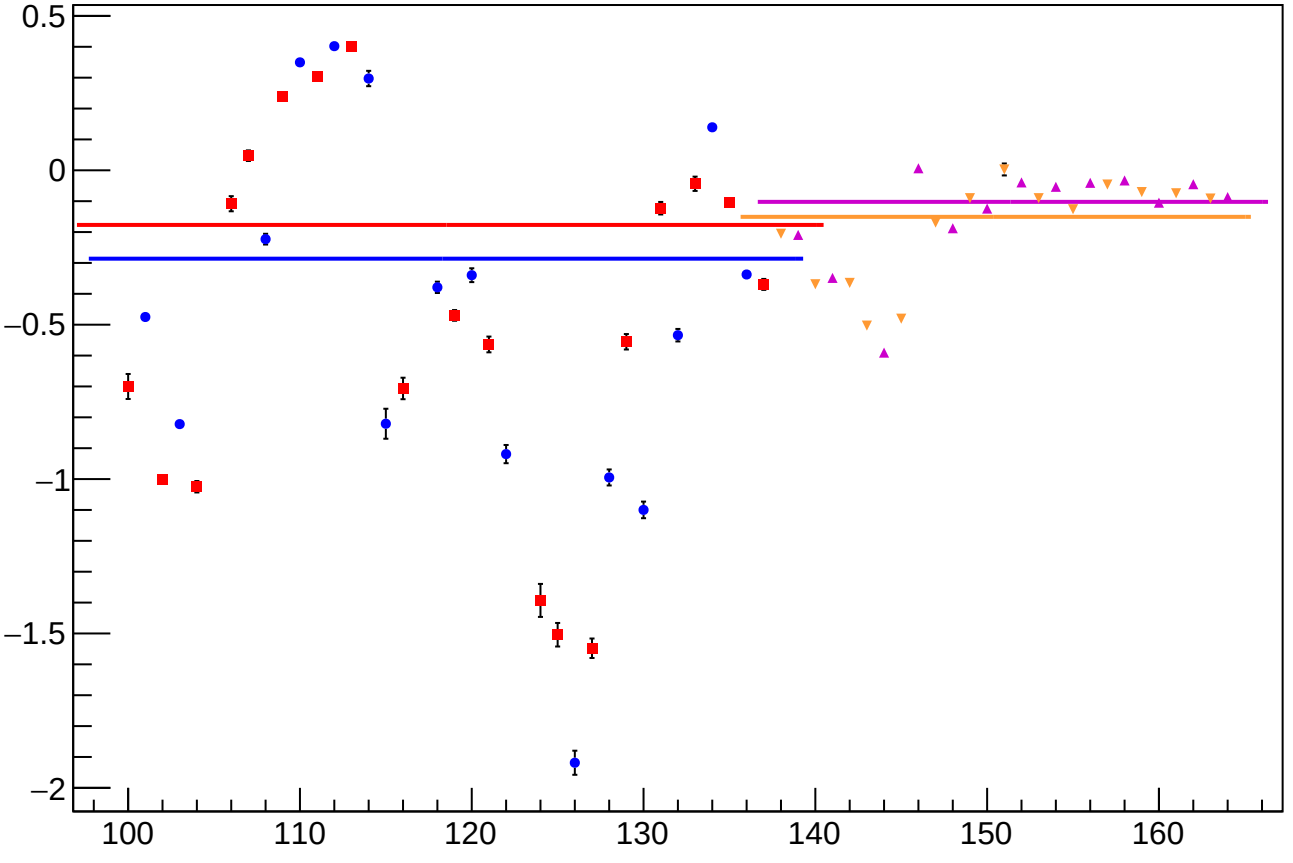
Left In: -0.897+/-0.049 χ^2/NDF:6206.5/12

+ sign -1.152+/-0.045 χ^2/NDF: 10451.7/29

All: -1.171+/-0.030 χ^2/NDF: 19068.6/61

- 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: -0.151+/-0.003 χ^2/NDF:2737.0/13

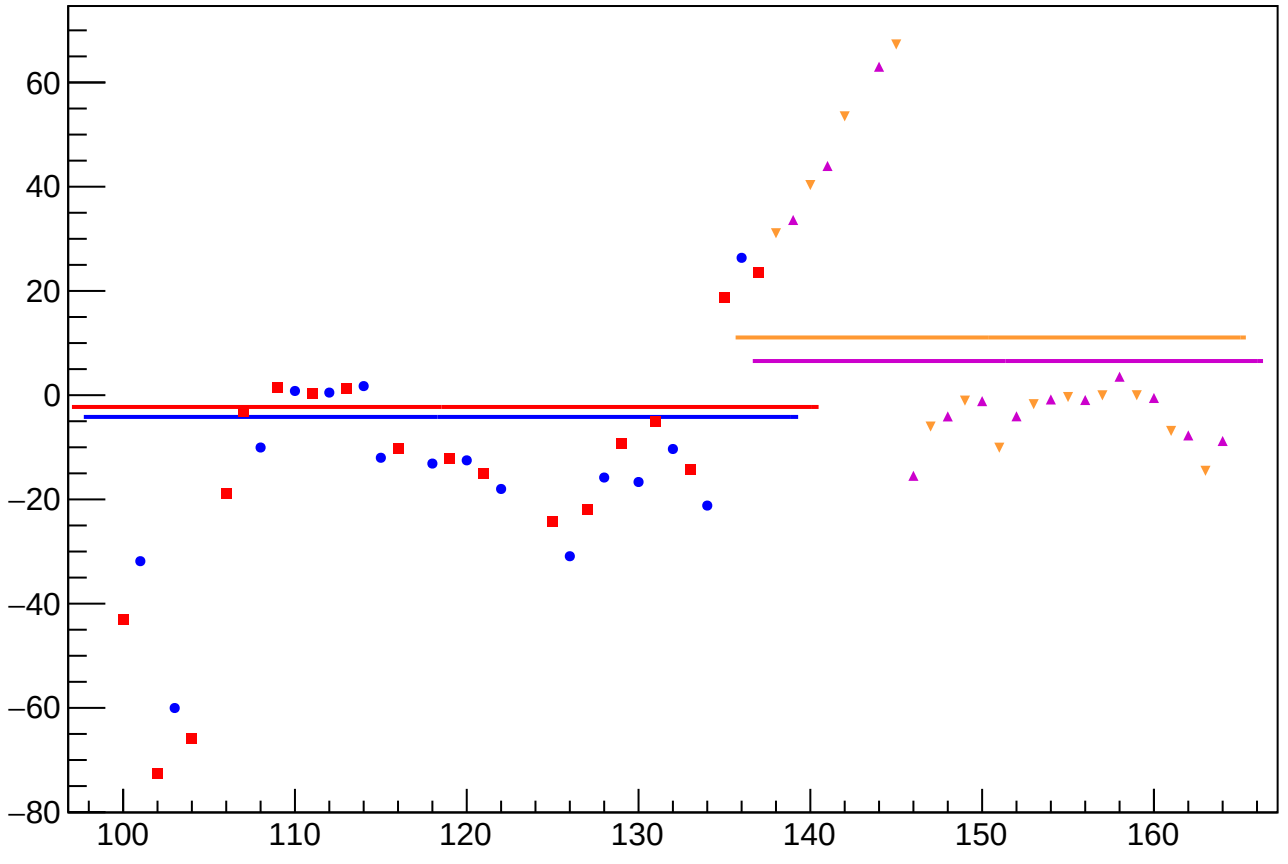
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.102+/-0.002 χ^2/NDF:2854.7/12

+ sign -0.187+/-0.002 χ^2/NDF: 14834.4/29

All: -0.147+/-0.001 χ^2/NDF: 33294.2/61

- 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: 11.072+/-0.072 χ^2/NDF:100036.2/12

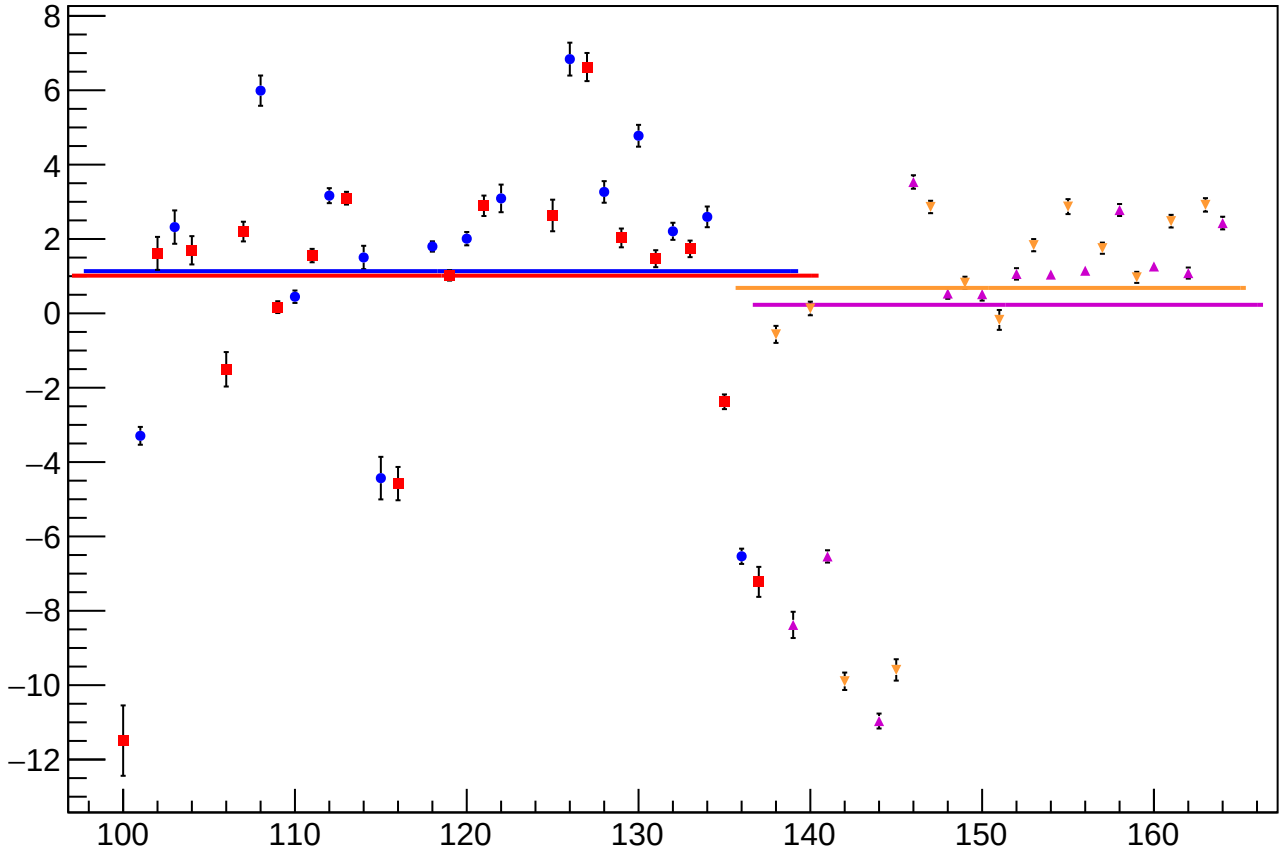
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 6.552+/-0.059 χ^2/NDF:115015.9/12

+ sign 1.353+/-0.043 χ^2/NDF: 203847.9/28

All: 1.197+/-0.028 χ^2/NDF: 412441.2/59

- 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: 0.684+/-0.051 χ^2/NDF:4020.6/12

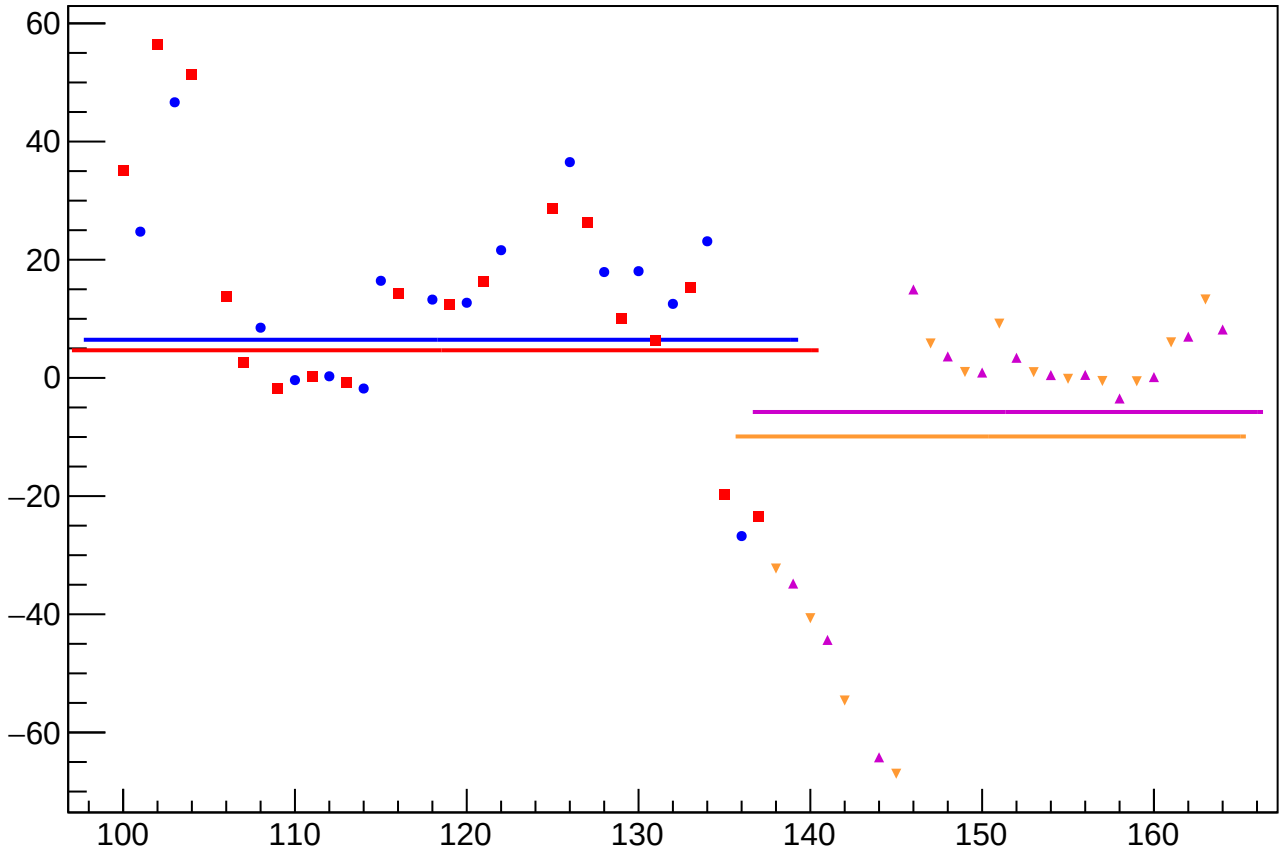
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.230+/-0.041 χ^2/NDF:6393.7/12

+ sign 0.873+/-0.039 χ^2/NDF: 6648.9/28

All: 0.658+/-0.025 χ^2/NDF: 14812.3/59

- 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: -9.909+/-0.070 χ^2/NDF:98577.5/12

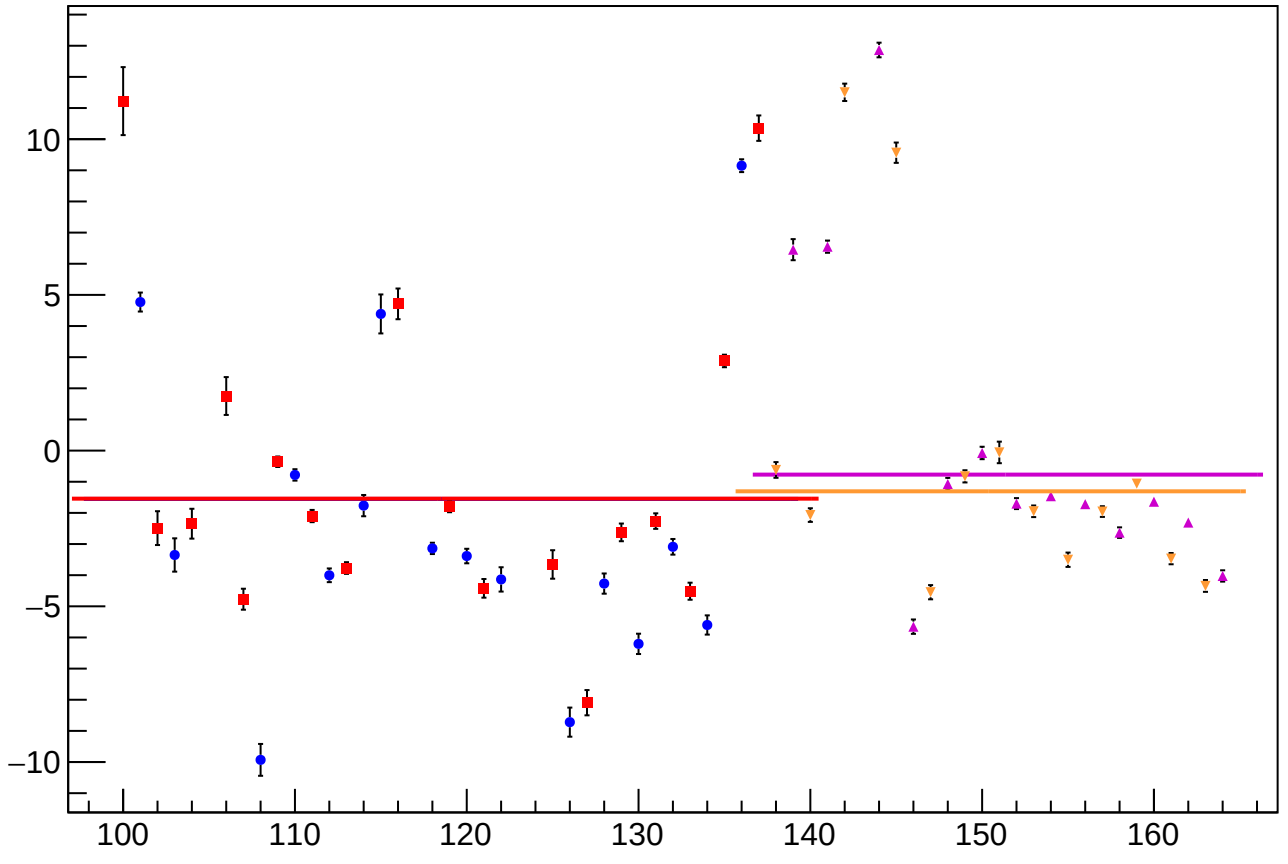
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -5.765+/-0.056 χ^2/NDF:113771.5/12

+ sign -1.162+/-0.047 χ^2/NDF: 198923.1/28

All: -0.962+/-0.031 χ^2/NDF: 403564.6/59

- sign -0.815+/-0.041 χ^2/NDF: 204610.8/30



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.307+/-0.058 χ^2/NDF:3977.6/12

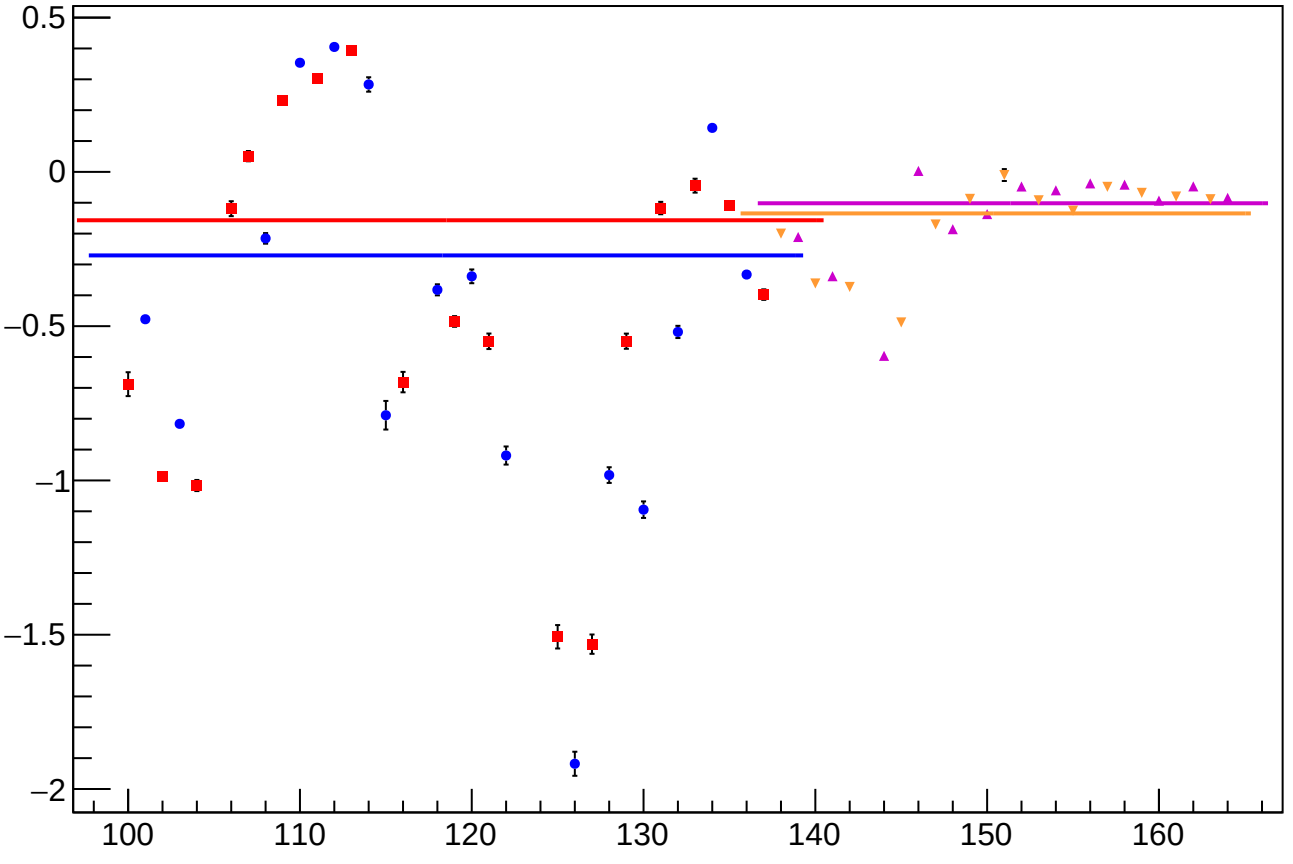
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.771+/-0.047 χ^2/NDF:6374.8/12

+ sign -1.409+/-0.045 χ^2/NDF: 8528.4/28

All: -1.194+/-0.029 χ^2/NDF: 17509.7/59

- 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: -0.135+/-0.003 χ^2/NDF:1948.0/12

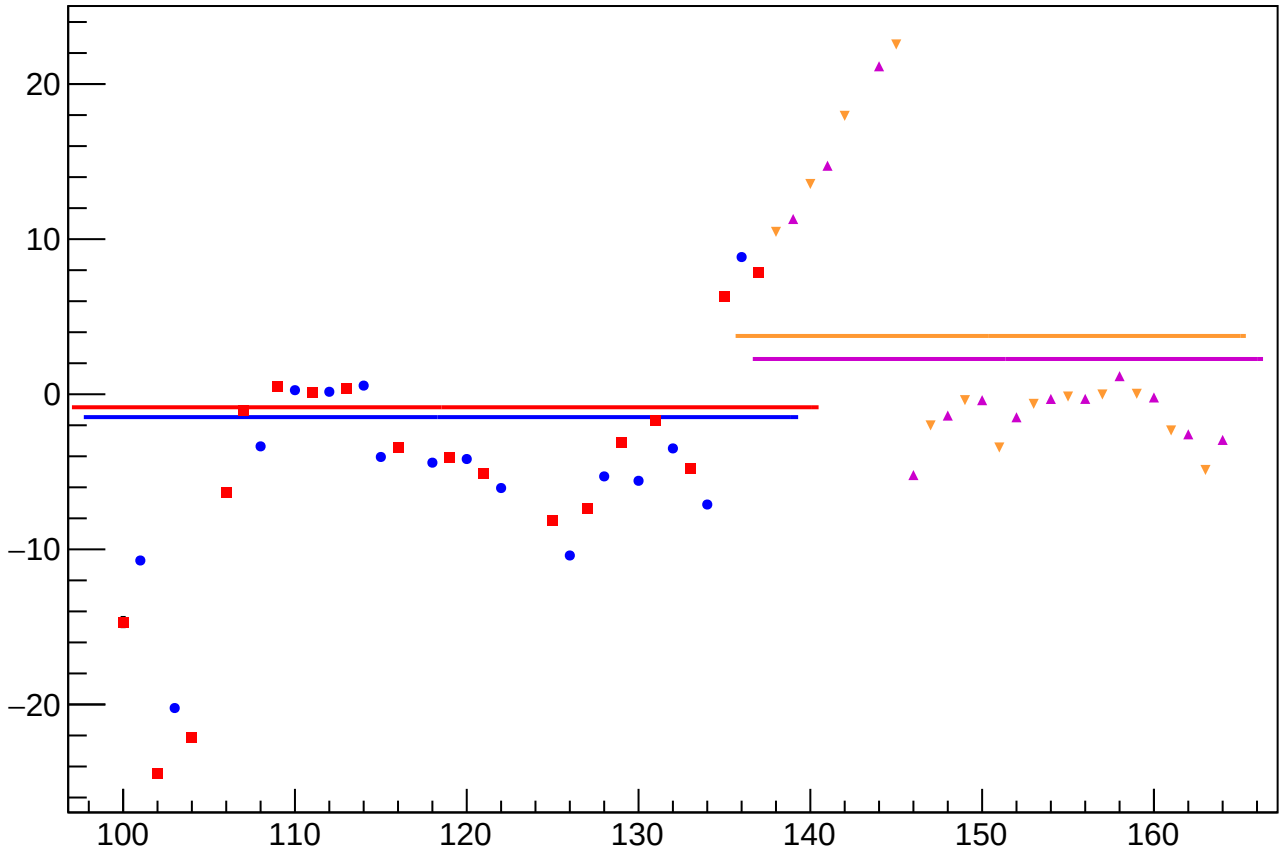
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.3/12

+ sign -0.172+/-0.002 χ^2/NDF: 14826.2/28

All: -0.137+/-0.001 χ^2/NDF: 33435.8/59

- sign -0.114+/-0.002 χ^2/NDF: 18177.1/30



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 3.759+/-0.025 χ^2/NDF:98196.4/12

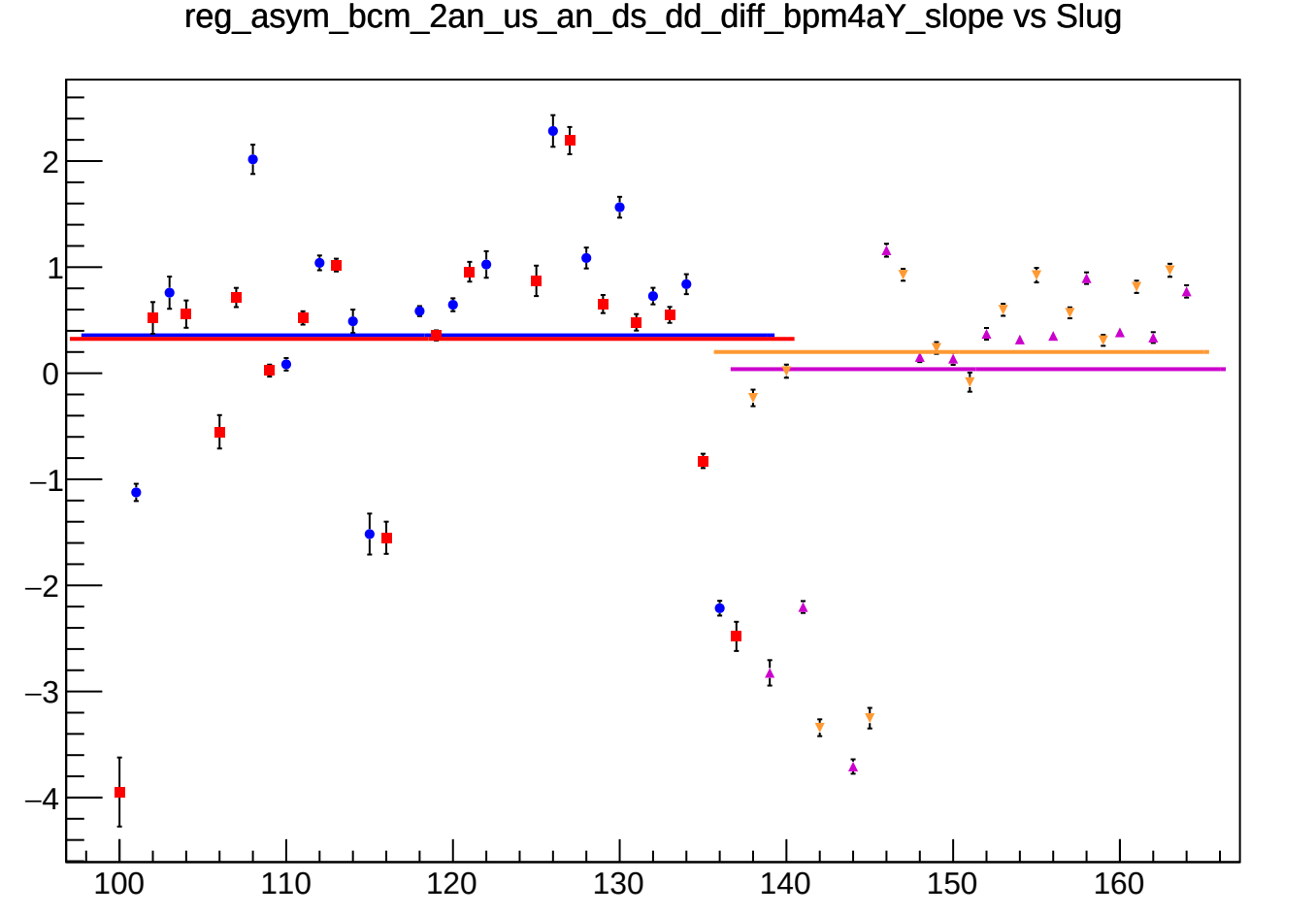
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.274+/-0.020 χ^2/NDF:112336.7/12

+ sign 0.444+/-0.015 χ^2/NDF: 200497.1/28

All: 0.395+/-0.010 χ^2/NDF: 405392.6/59

- sign 0.361+/-0.013 χ^2/NDF: 204877.5/30



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.201+/-0.017 χ^2/NDF:3968.7/12

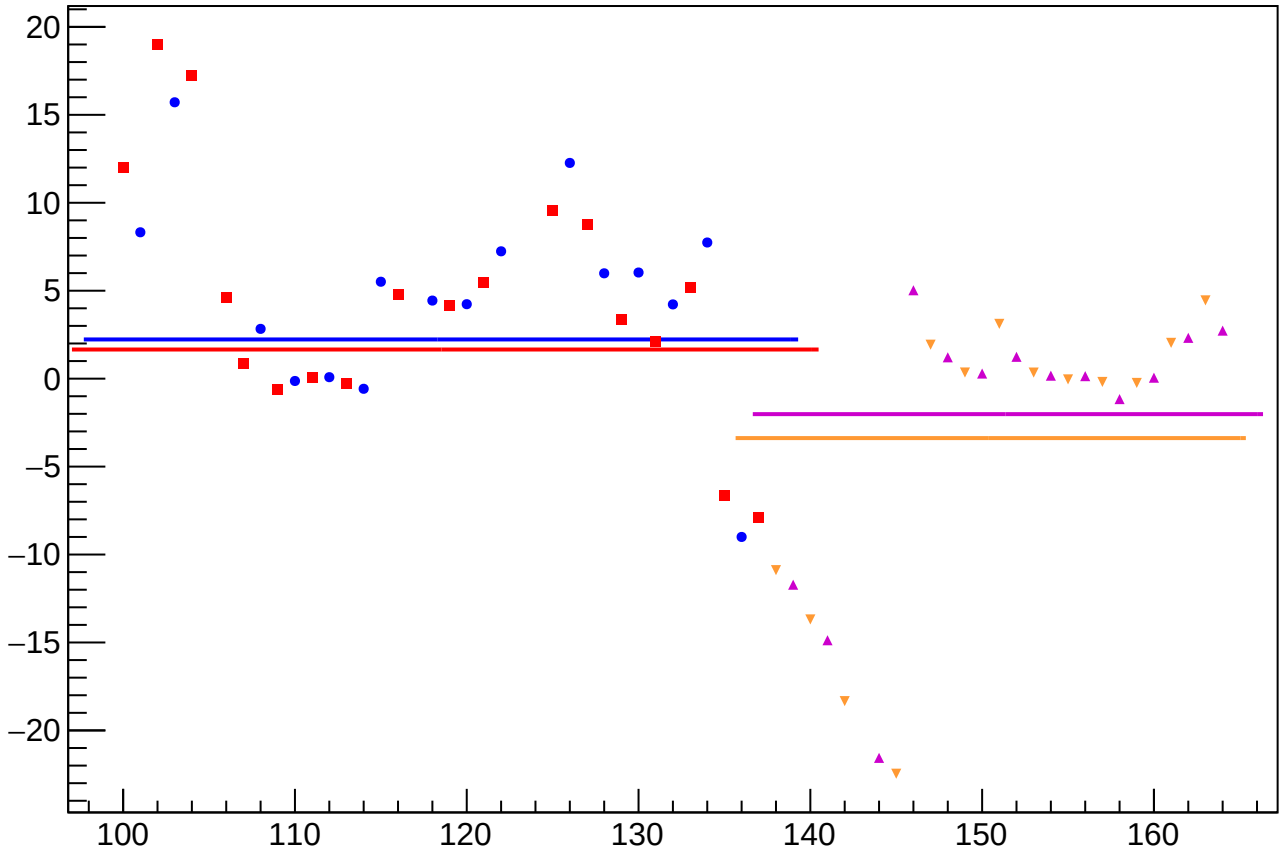
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.039+/-0.014 χ^2/NDF:6223.1/12

+ sign 0.266+/-0.013 χ^2/NDF: 6545.5/28

All: 0.192+/-0.009 χ^2/NDF: 14519.2/59

- sign 0.137+/-0.012 χ^2/NDF: 7919.7/30



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -3.379+/-0.024 χ^2/NDF:96799.8/12

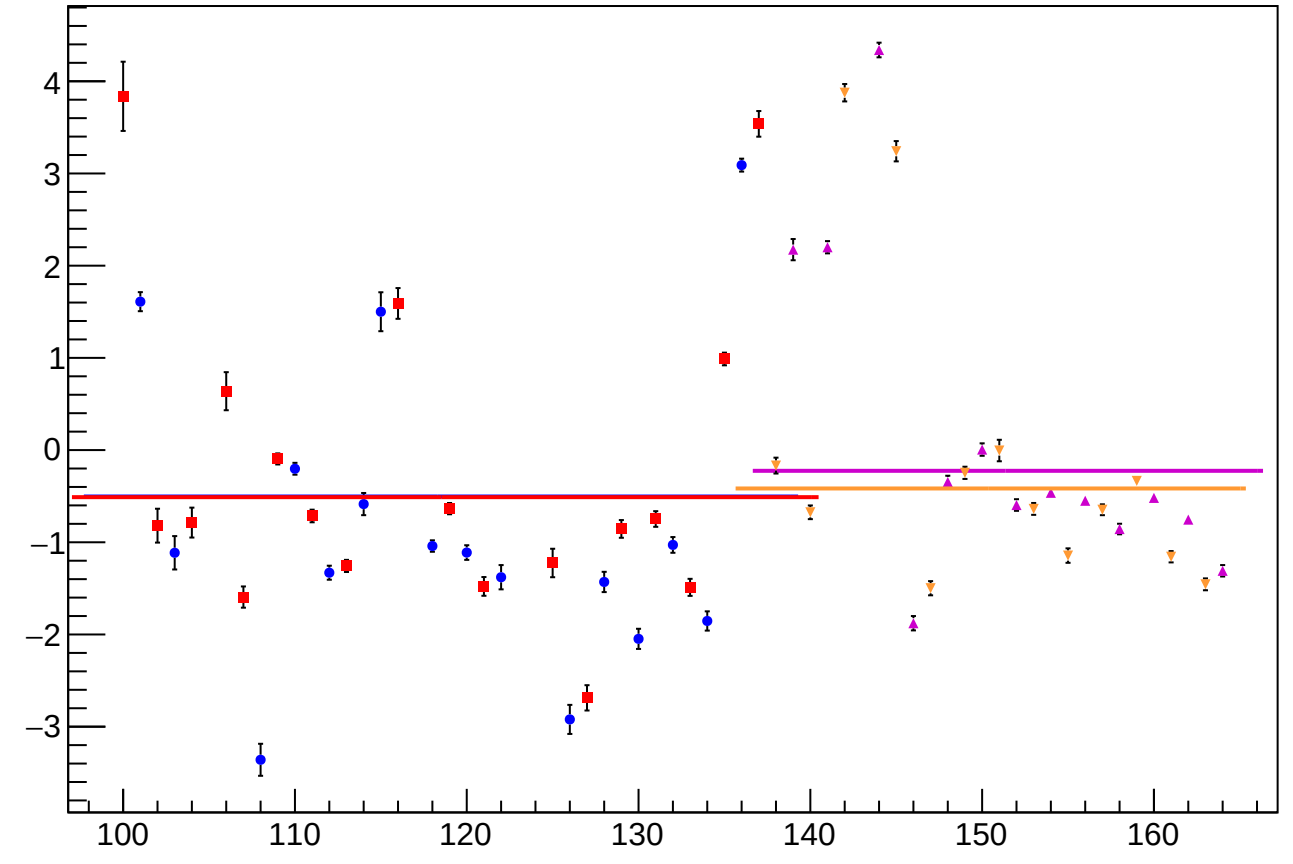
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.017+/-0.019 χ^2/NDF:111221.8/12

+ sign -0.392+/-0.016 χ^2/NDF: 195664.8/28

All: -0.330+/-0.011 χ^2/NDF: 396753.6/59

- sign -0.283+/-0.014 χ^2/NDF: 201062.8/30



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.416+/-0.020 χ^2/NDF:3931.4/12

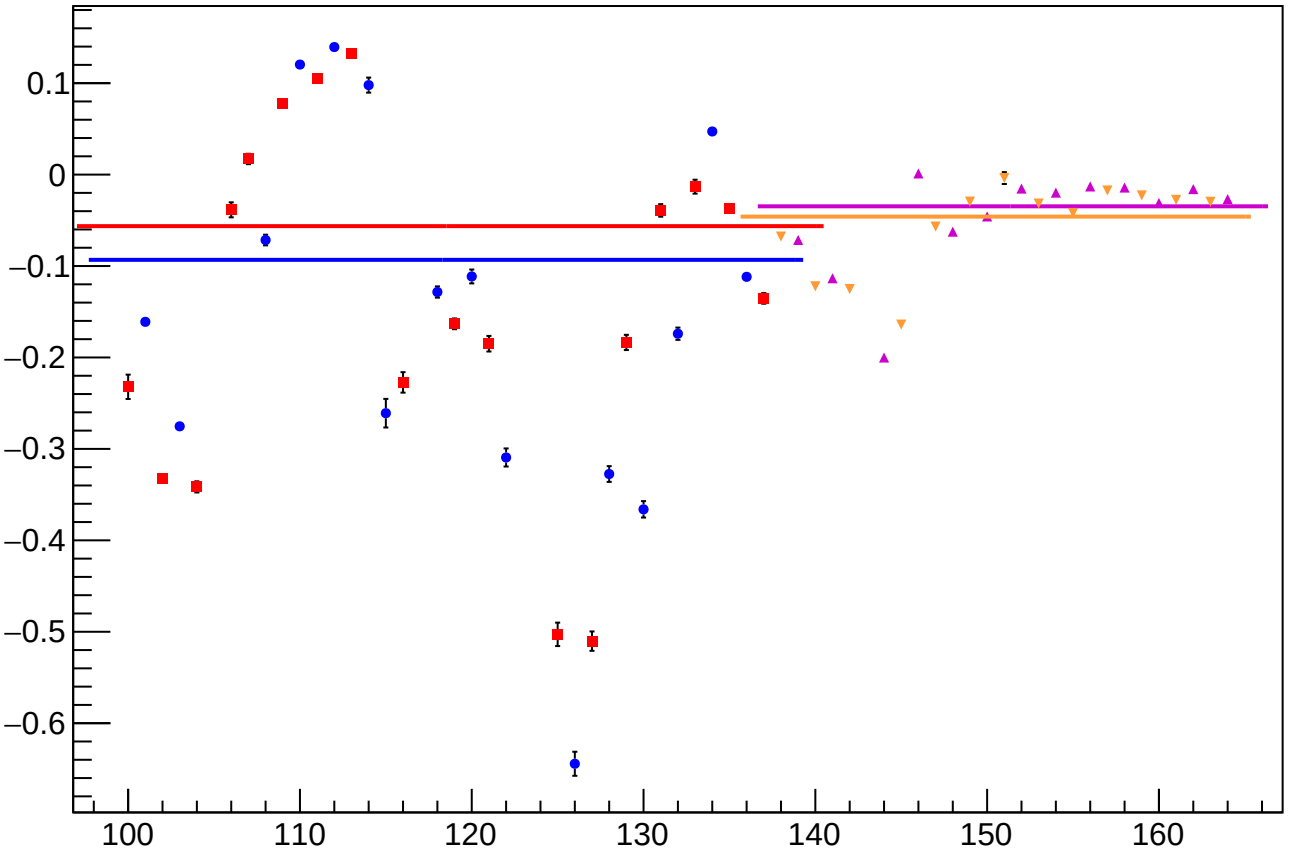
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.225+/-0.016 χ^2/NDF:6216.3/12

+ sign -0.453+/-0.015 χ^2/NDF: 8386.6/28

All: -0.378+/-0.010 χ^2/NDF: 17175.6/59

- 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: -0.046+/-0.001 χ^2/NDF:1903.3/12

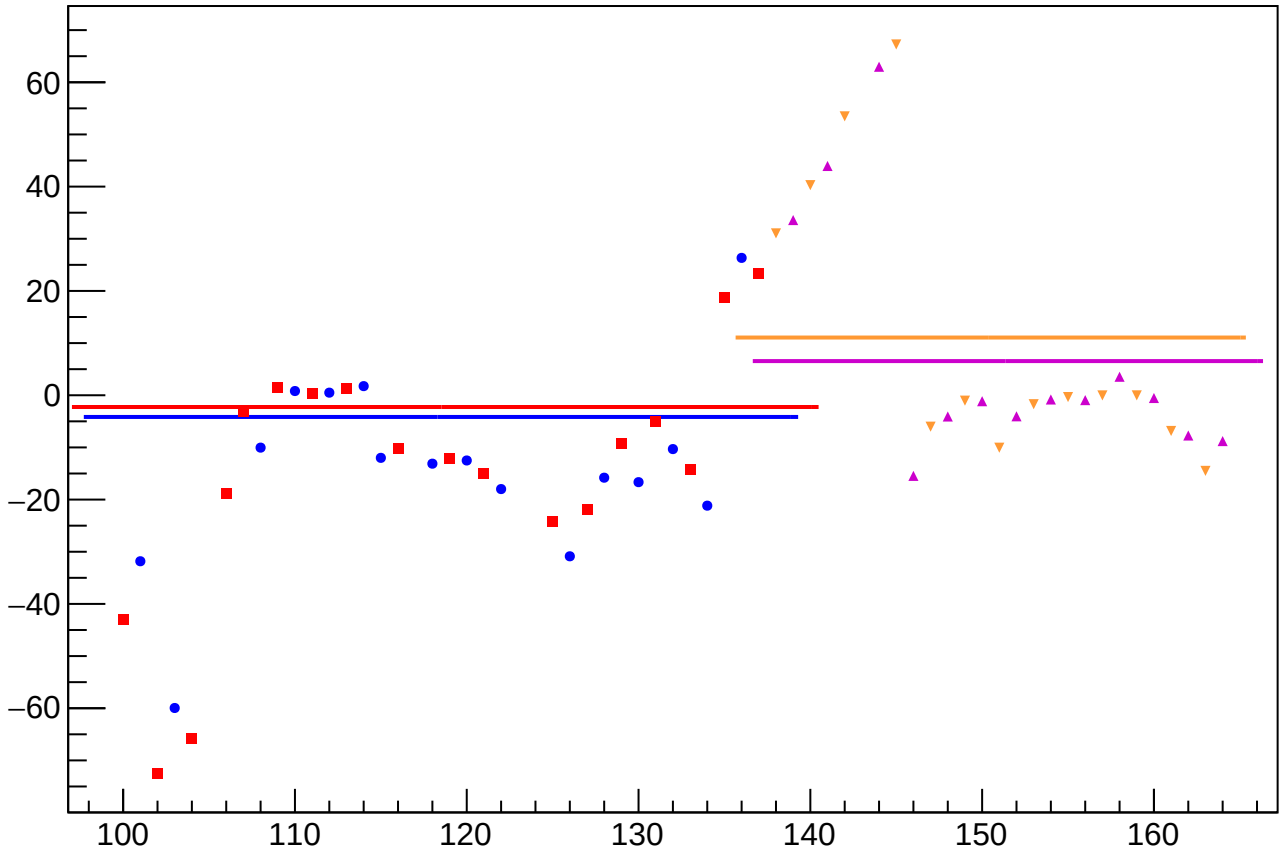
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.035+/-0.001 χ^2/NDF:2923.5/12

+ sign -0.059+/-0.001 χ^2/NDF: 14454.3/28

All: -0.047+/-0.000 χ^2/NDF: 32461.8/59

- 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: 11.066+/-0.072 χ^2/NDF:100021.0/12

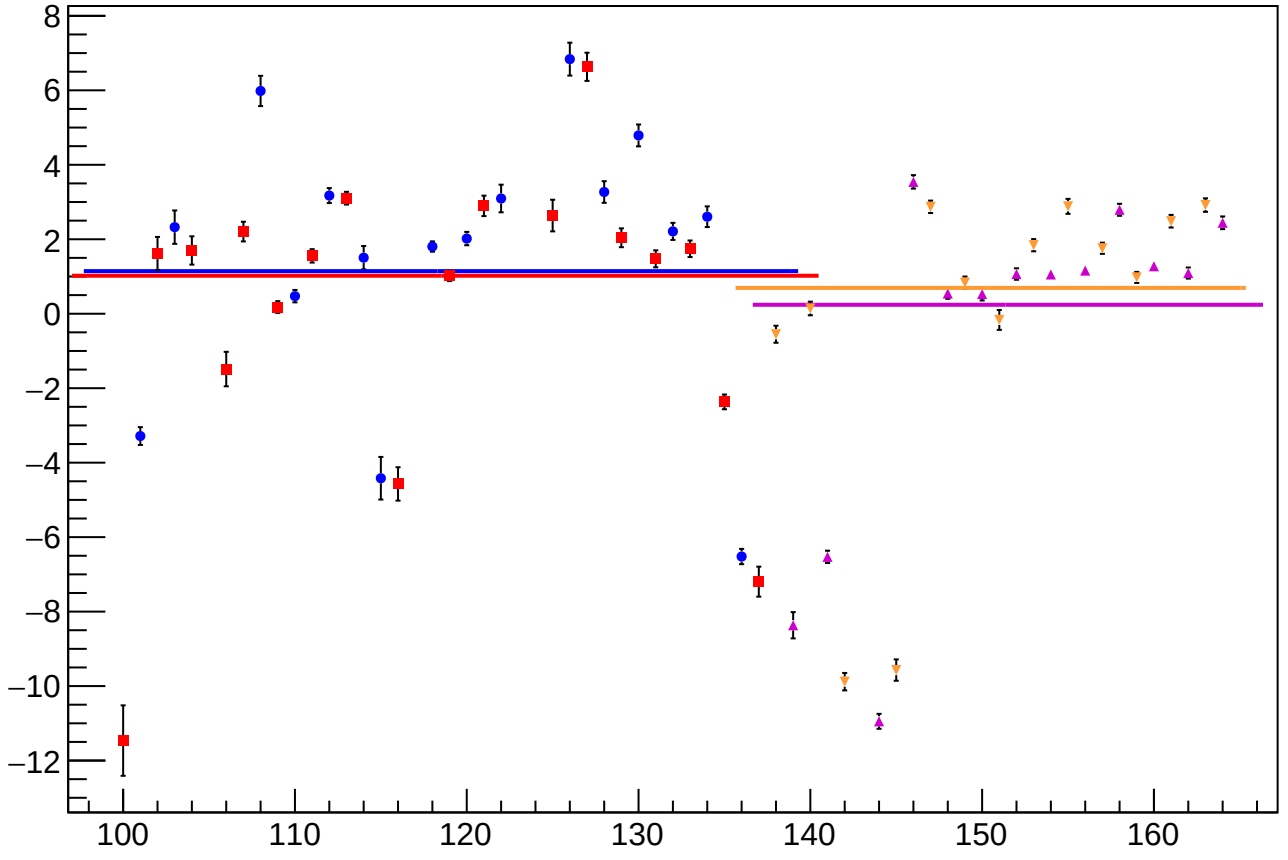
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 6.550+/-0.059 χ^2/NDF:115029.2/12

+ sign 1.357+/-0.043 χ^2/NDF: 203843.0/28

All: 1.200+/-0.028 χ^2/NDF: 412454.8/59

- 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: 0.694+/-0.051 χ^2/NDF:4019.8/12

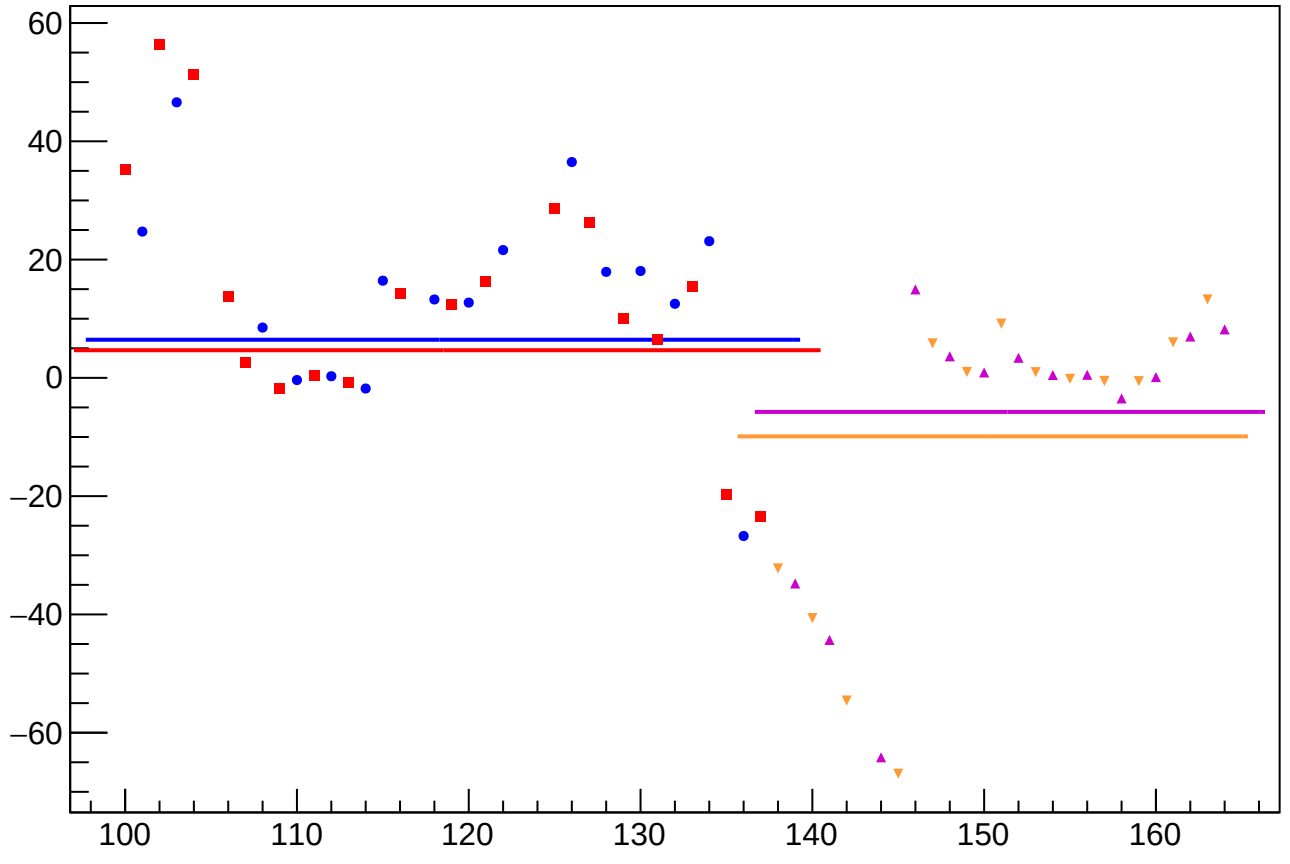
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.241+/-0.041 χ^2/NDF:6399.9/12

+ sign 0.883+/-0.039 χ^2/NDF: 6647.7/28

All: 0.667+/-0.025 χ^2/NDF: 14814.2/59

- 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: -9.899+/-0.070 χ^2/NDF:98561.1/12

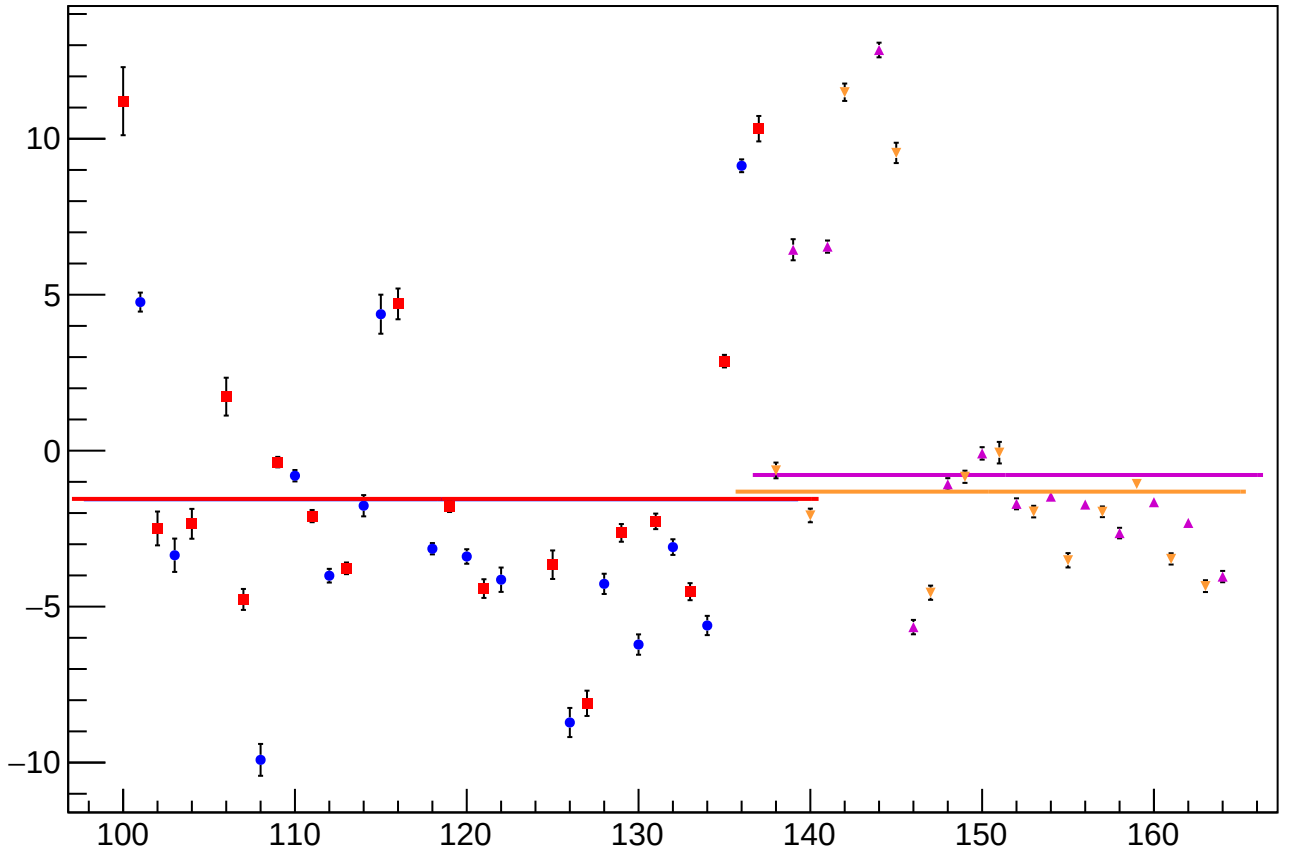
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.757+/-0.056 χ^2/NDF:113782.6/12

+ sign -1.160+/-0.047 χ^2/NDF: 198914.0/28

All: -0.959+/-0.031 χ^2/NDF: 403564.9/59

- 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: -1.313+/-0.058 χ^2/NDF:3975.9/12

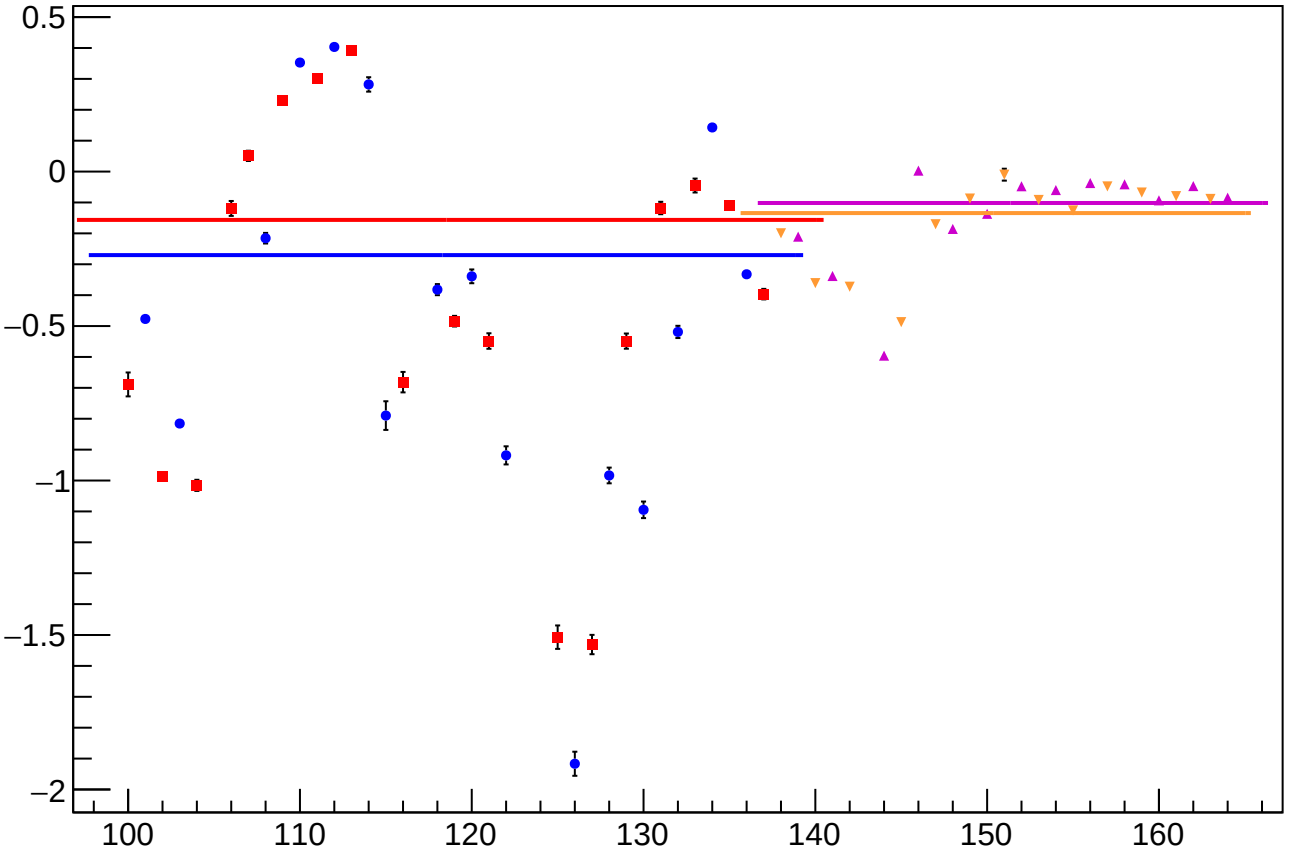
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.780+/-0.047 χ^2/NDF:6379.9/12

+ sign -1.415+/-0.045 χ^2/NDF: 8526.3/28

All: -1.200+/-0.029 χ^2/NDF: 17508.6/59

- 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: -0.134+/-0.003 χ^2/NDF:1949.1/12

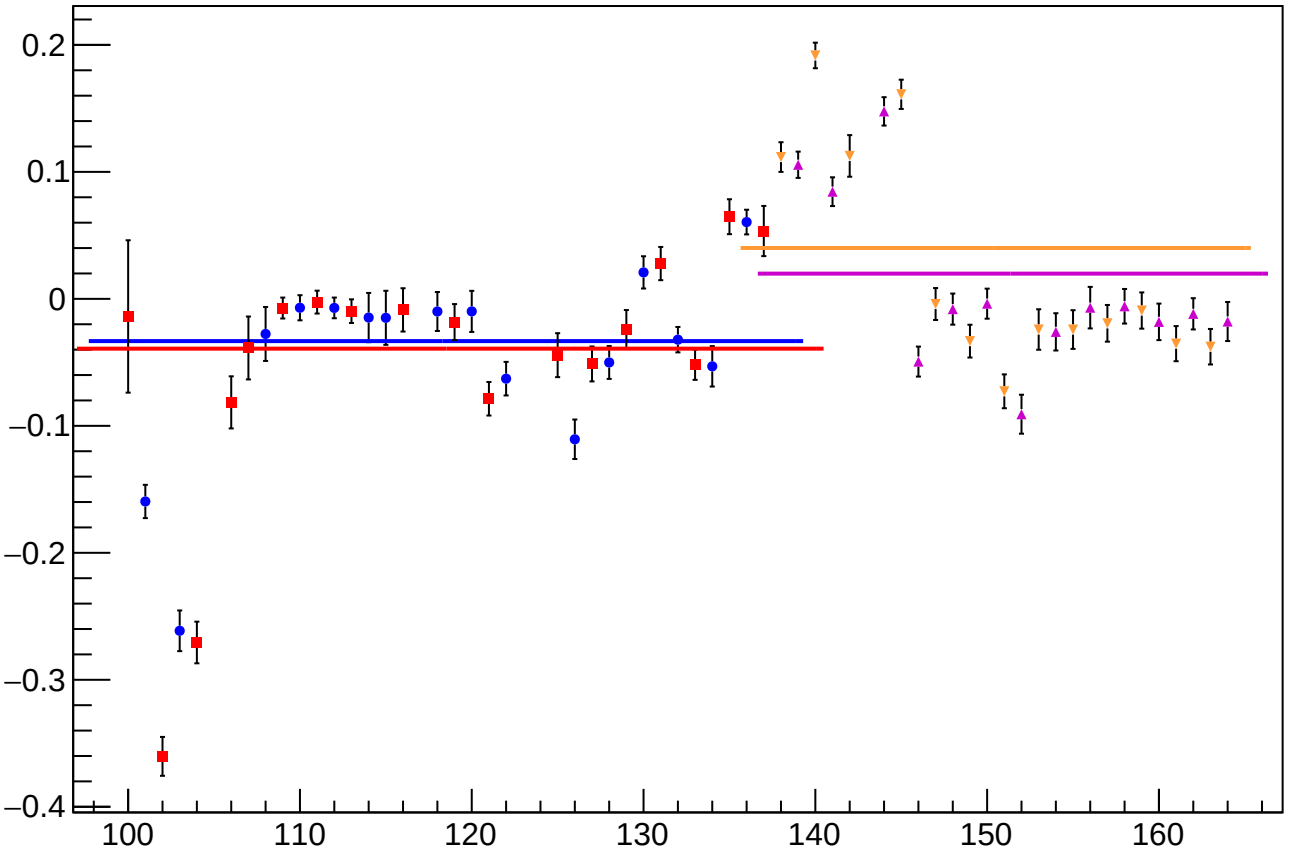
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.1/12

+ sign -0.172+/-0.002 χ^2/NDF: 14828.7/28

All: -0.137+/-0.001 χ^2/NDF: 33445.6/59

- 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: 0.040+/-0.004 χ^2/NDF:633.9/12

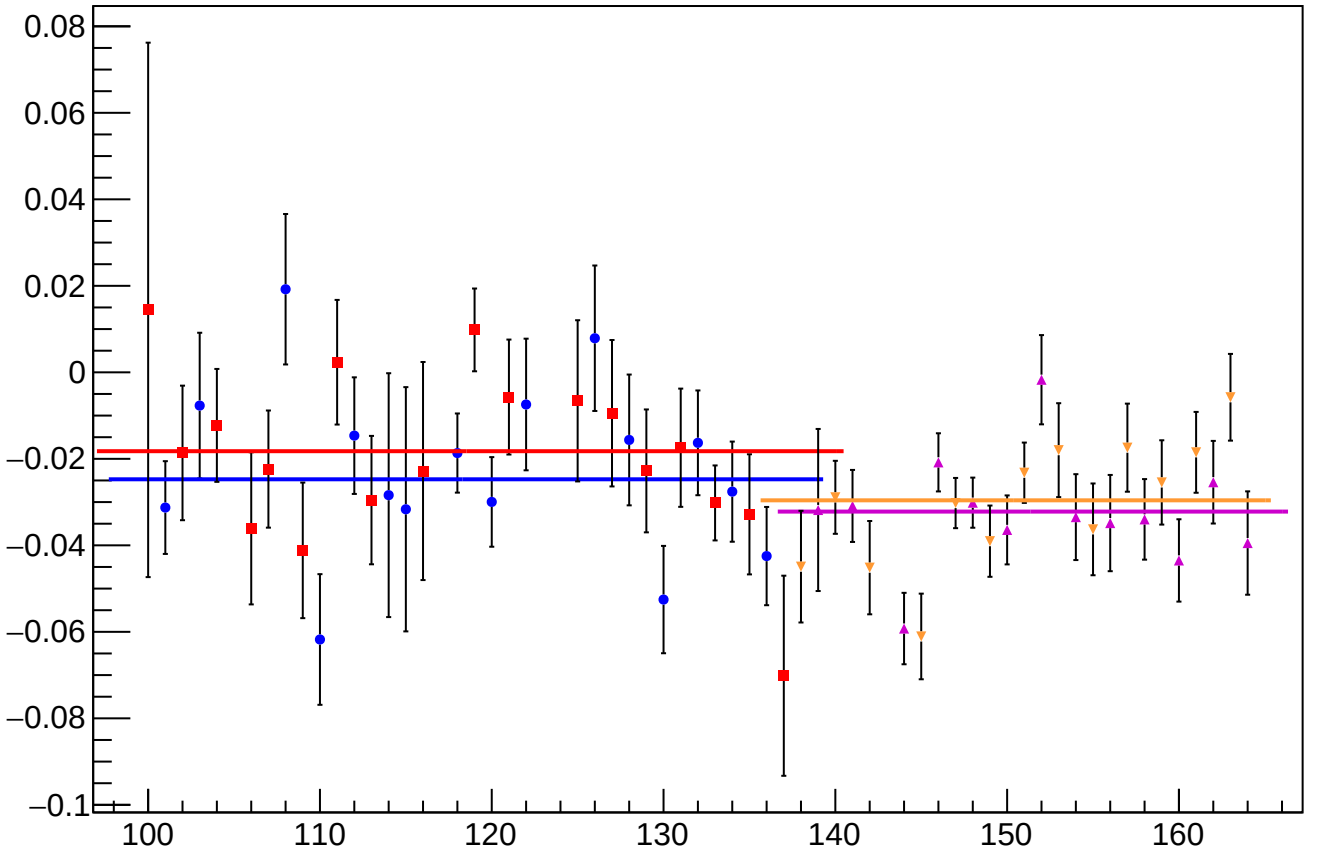
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.020+/-0.004 χ^2/NDF:363.1/12

+ sign -0.001+/-0.002 χ^2/NDF: 1324.1/28

All: -0.007+/-0.002 χ^2/NDF: 2660.4/59

- 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:26.0/12

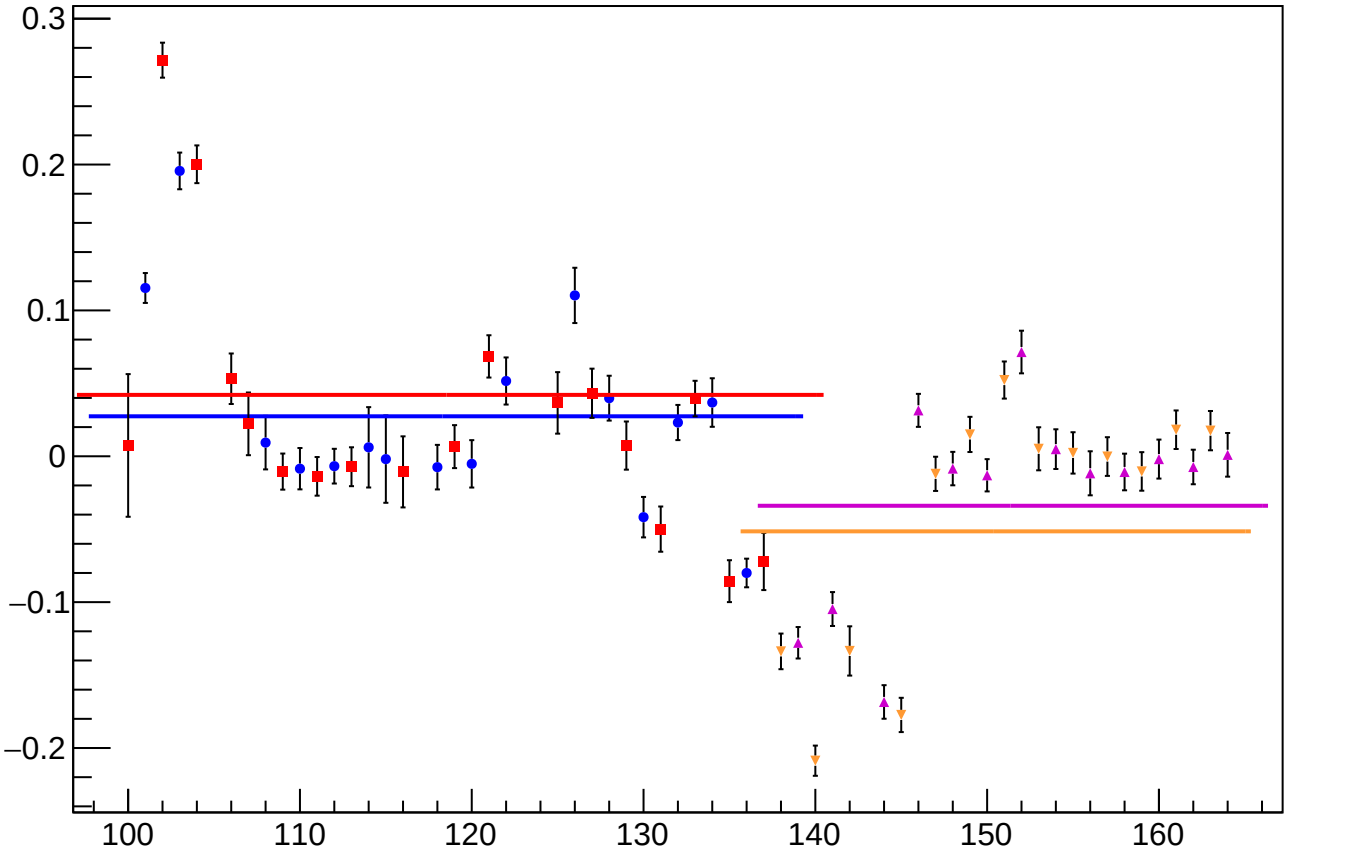
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.002 χ^2/NDF:25.2/12

+ sign -0.028+/-0.002 χ^2/NDF: 55.9/28

All: -0.028+/-0.001 χ^2/NDF: 117.0/59

- sign -0.027+/-0.002 χ^2/NDF: 61.1/30



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.051+/-0.004 χ^2/NDF:630.3/12

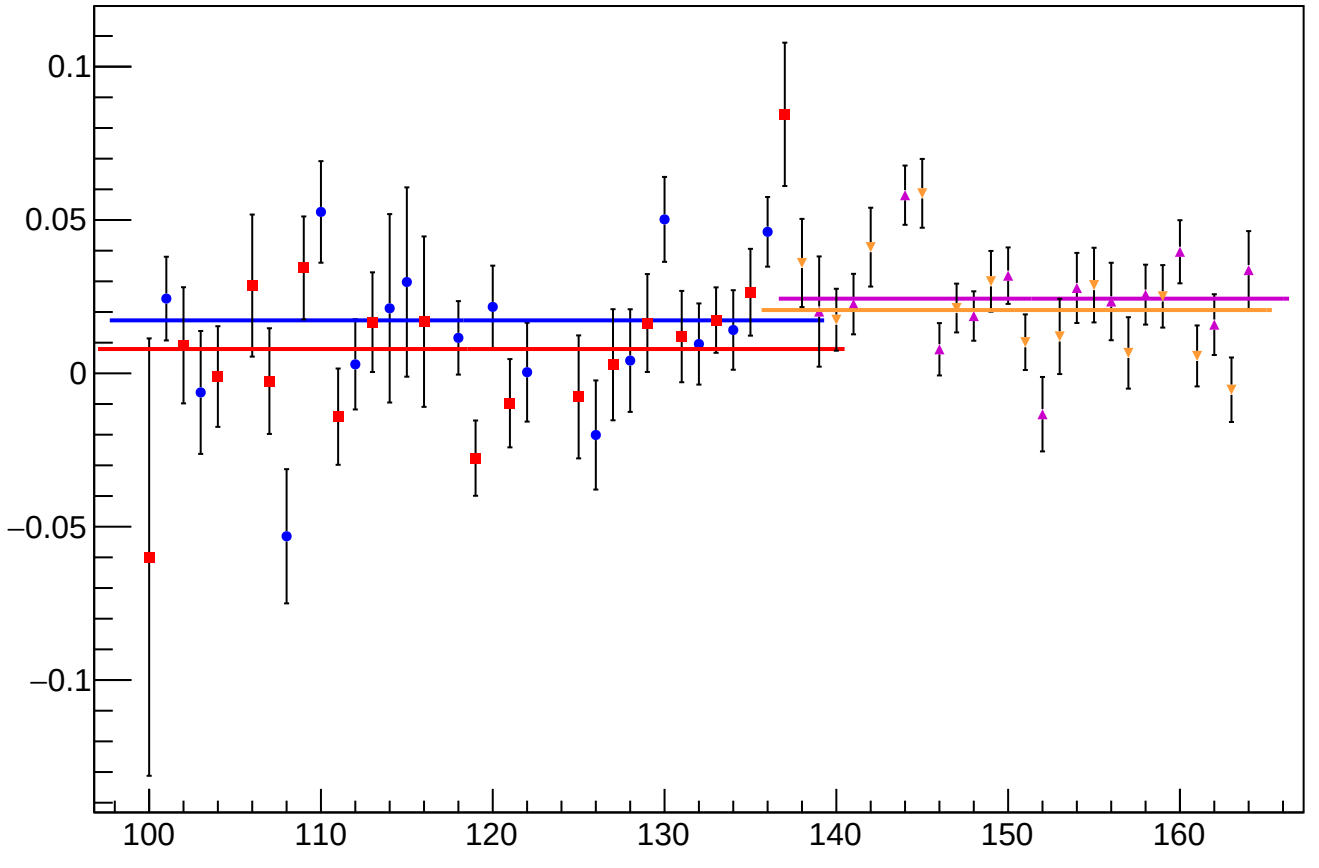
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.034+/-0.003 χ^2/NDF:373.4/12

\+ sign -0.012+/-0.003 χ^2/NDF: 1321.4/28

All: -0.005+/-0.002 χ^2/NDF: 2675.2/59

\- 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:28.5/12

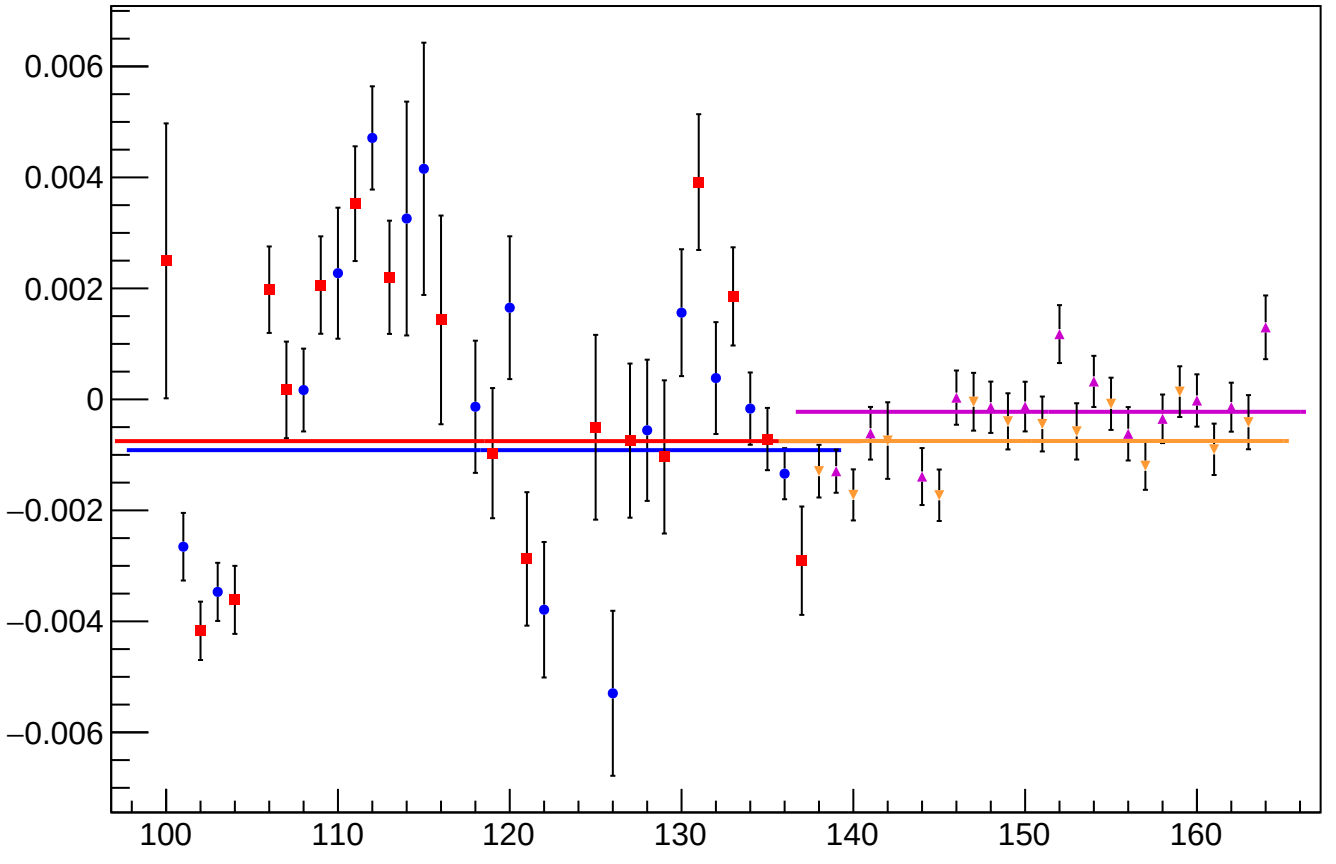
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:30.4/12

+ sign 0.019+/-0.002 χ^2/NDF: 65.6/28

All: 0.019+/-0.002 χ^2/NDF: 139.0/59

- 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:20.5/12

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

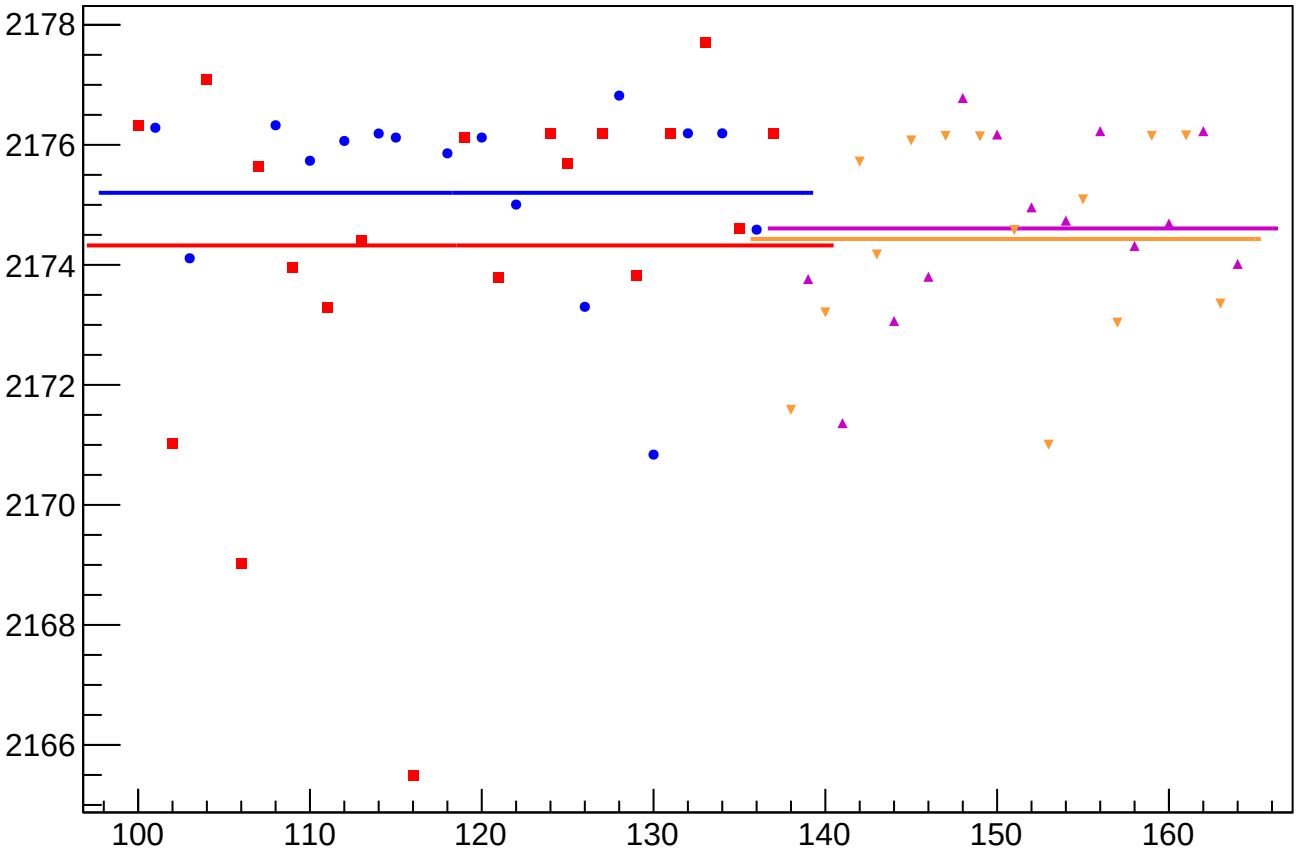
Left In: -0.000+/-0.000 χ^2/NDF:30.4/12

+ sign -0.001+/-0.000 χ^2/NDF: 135.0/28

All: -0.001+/-0.000 χ^2/NDF: 324.8/59

- 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: 2174.432+/-0.000 χ^2/NDF:34791799789233925677126726199541 76.0/13

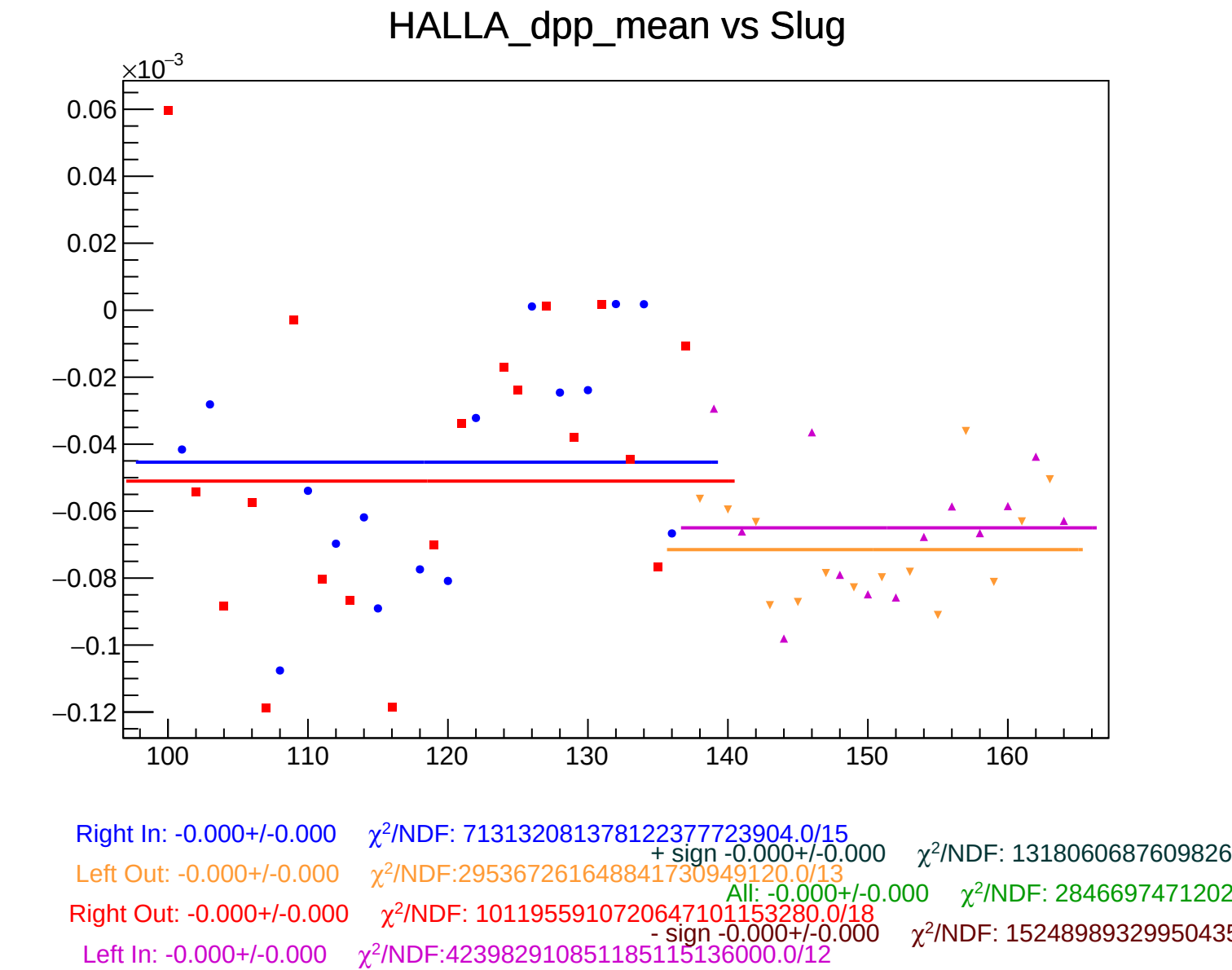
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.607+/-0.000 χ^2/NDF:244752982718112118764328668941516 8.0/12

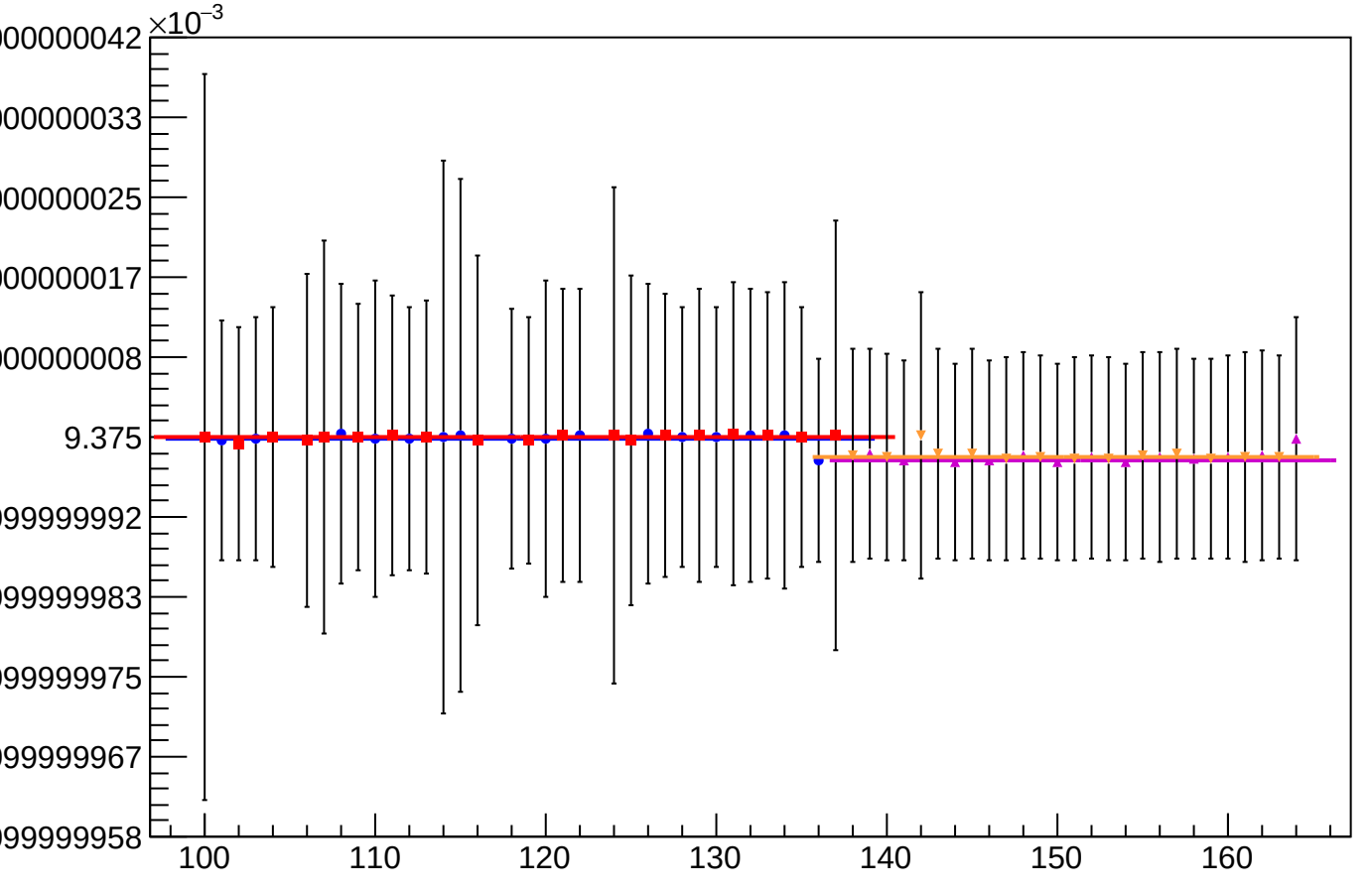
+ sign 2174.730+/-0.000 χ^2/NDF: 5513509674727 2

All: 2174.612+/-0.000 χ^2/NDF: 135931950 2

- 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: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29536726164884173094912 0.0/13
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: 1318060687609826
All: -0.000+/-0.000 χ²/NDF: 2846697471202
- 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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

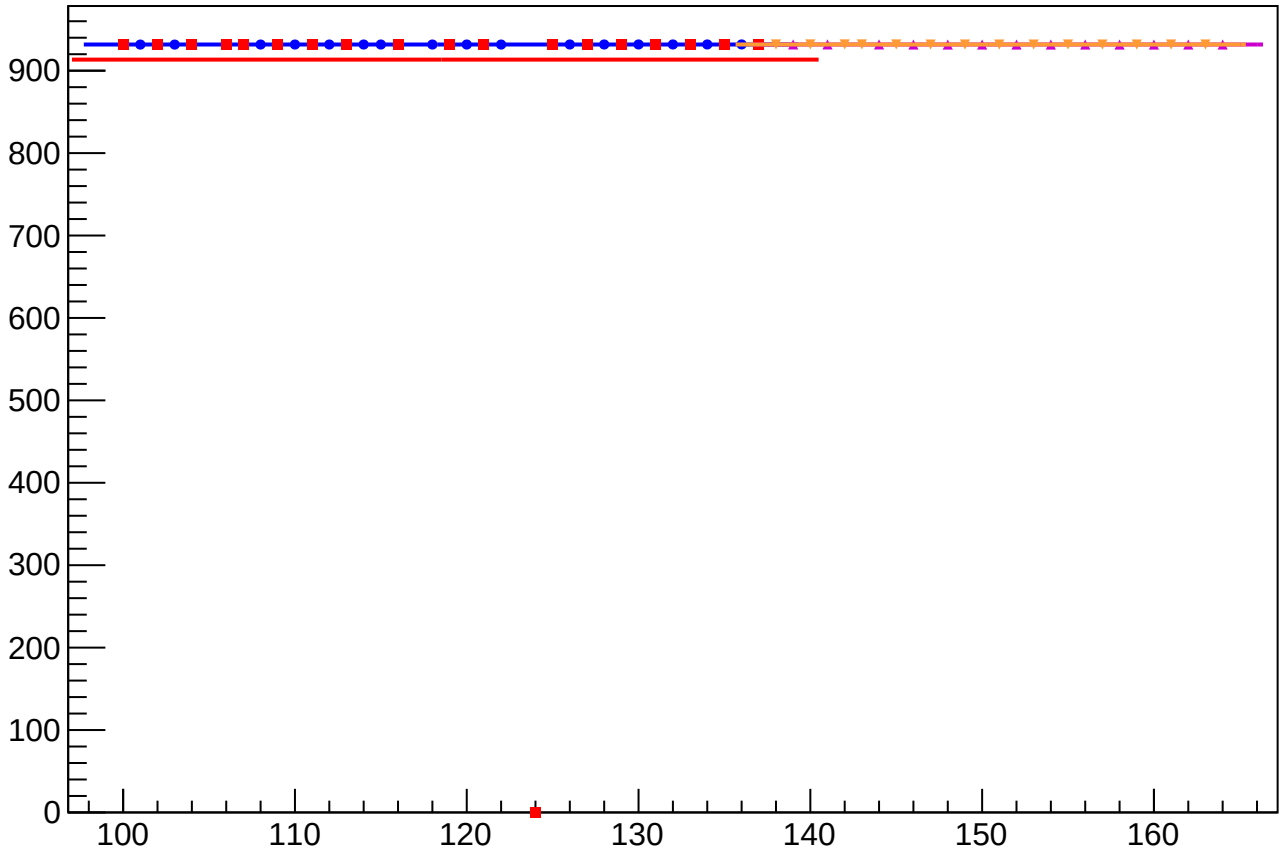
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.779+/-0.000 χ^2/NDF: 701607141244855

Left Out: 931.785+/-0.000 χ^2/NDF:414426876666815900968382627840 0.0/13

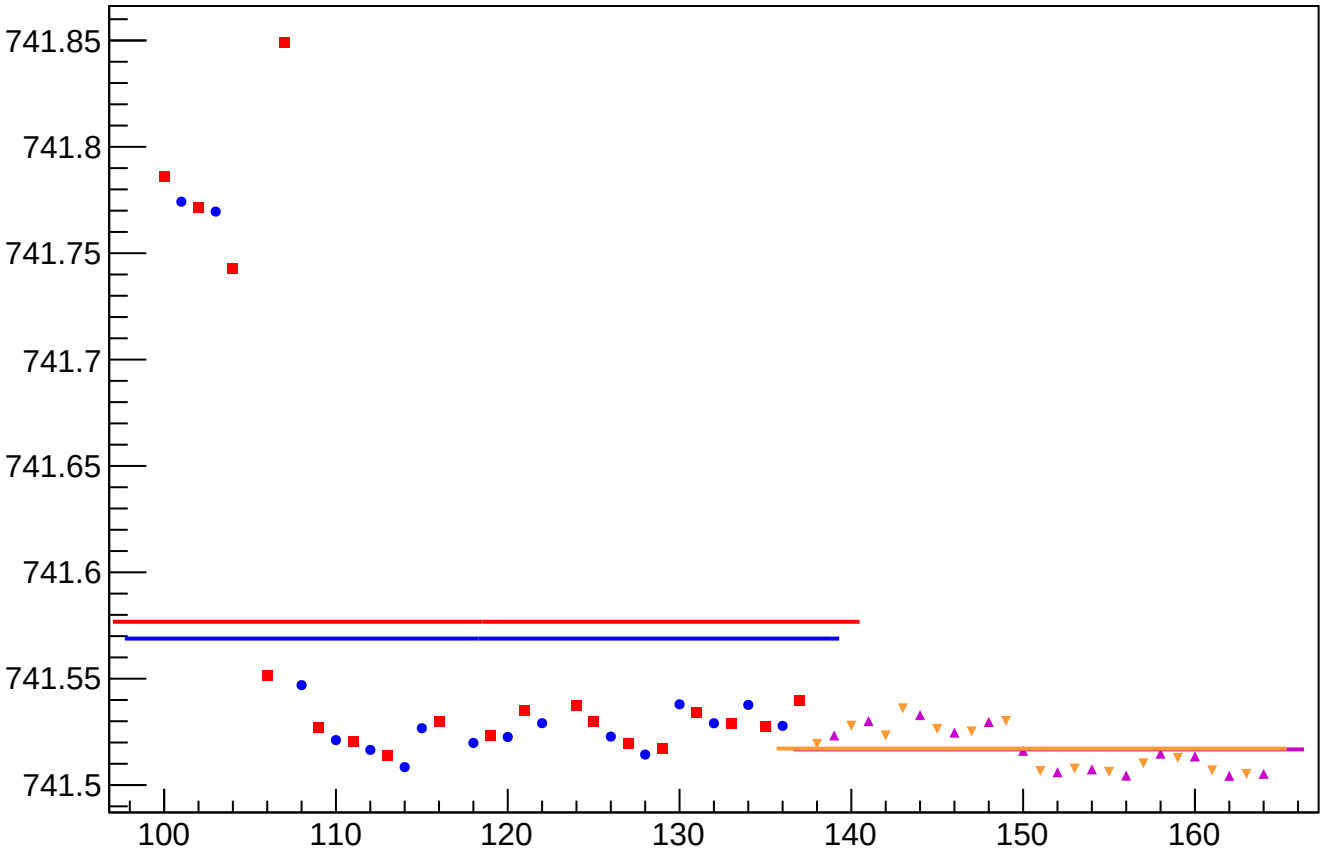
All: 928.109+/-0.000 χ^2/NDF: 12970938766

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

Left Out: 741.517+/-0.000 χ^2/NDF:125372309995692125920029573120.0/13

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

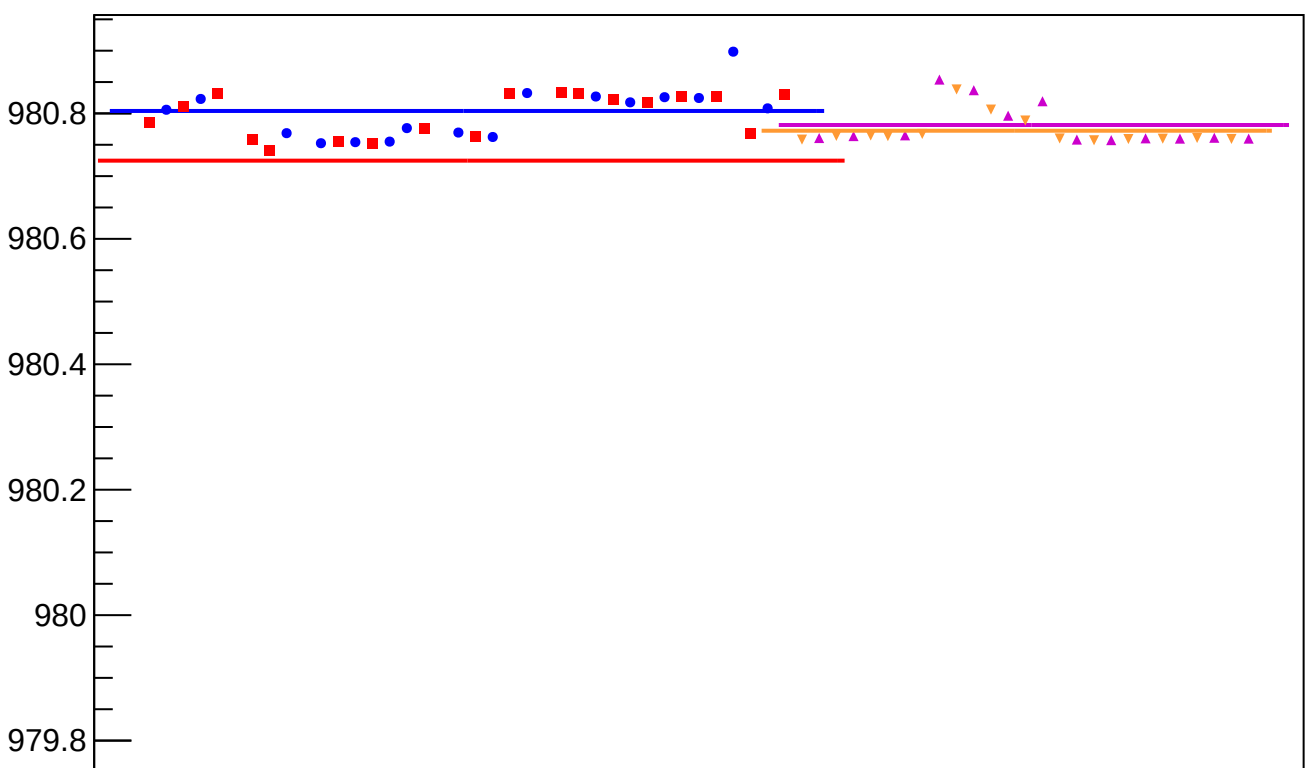
Left In: 741.517+/-0.000 χ^2/NDF:11895928605228637241722116505 6.0/12

+ sign 741.537+/-0.000 χ^2/NDF: 777170193978066

All: 741.539+/-0.000 χ^2/NDF: 172401944965

- sign 741.541+/-0.000 χ^2/NDF: 945588412988731

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:628425582459287685161577086976.0/13

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

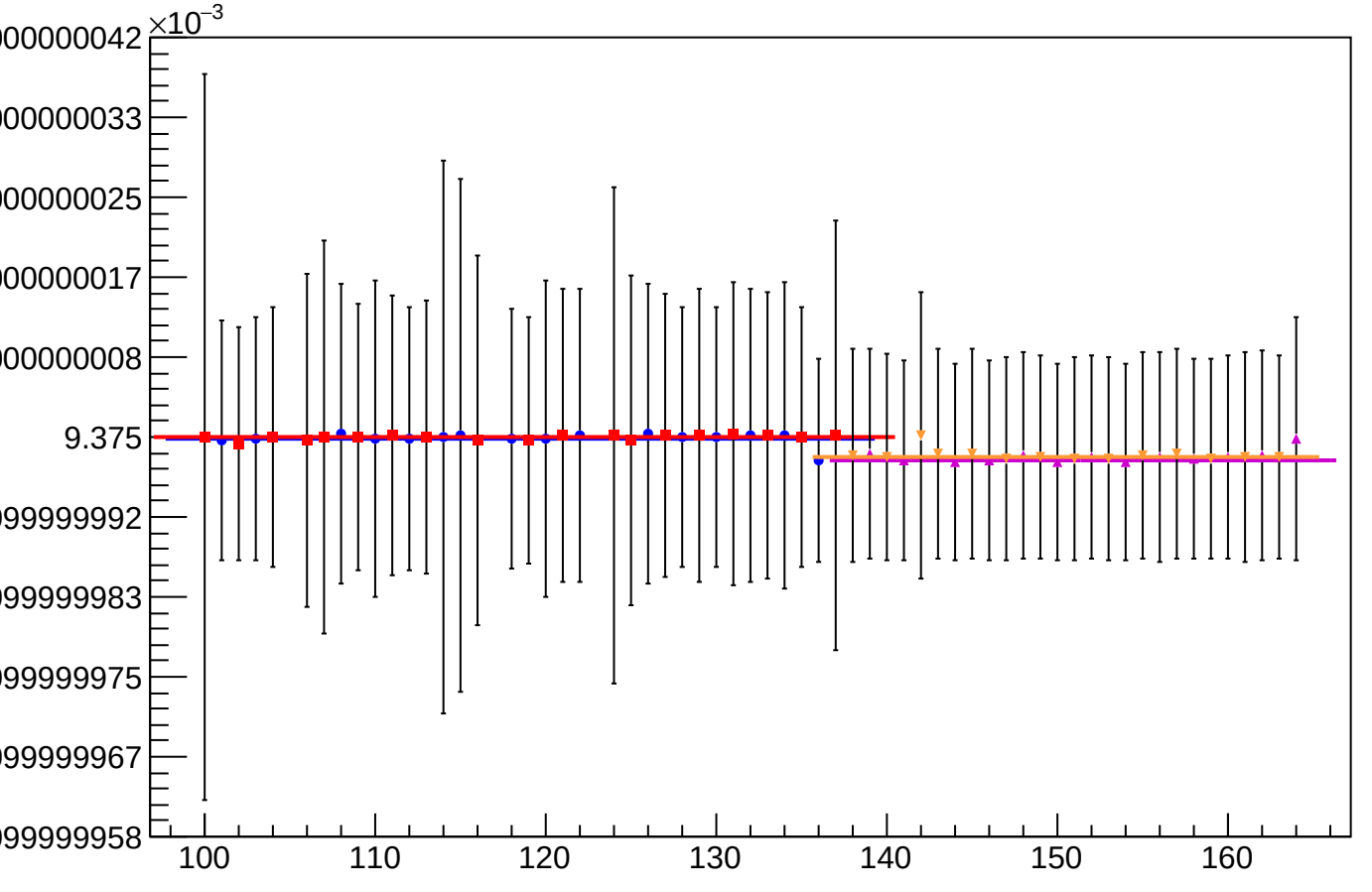
Left In: 980.782+/-0.000 χ^2/NDF:122952866157679936844558709555 2.0/12

+ sign 980.785+/-0.000 χ^2/NDF: 201191004509411

All: 980.772+/-0.000 χ^2/NDF: 613970179639

- 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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

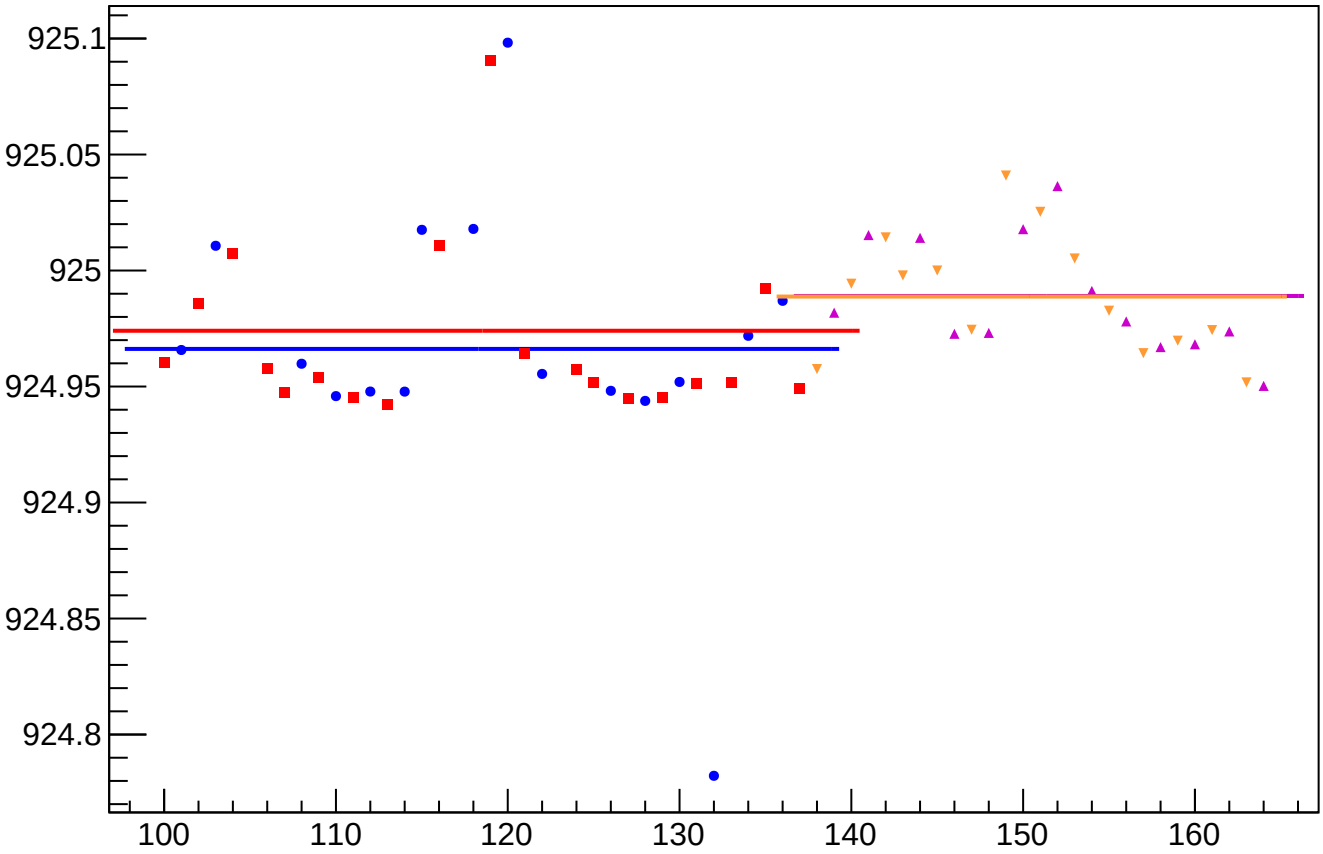
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- 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: 254437050808765880053303712153 6.0/15

Left Out: 924.989+/-0.000 χ^2/NDF:756124716720080829873400053760.0/13

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

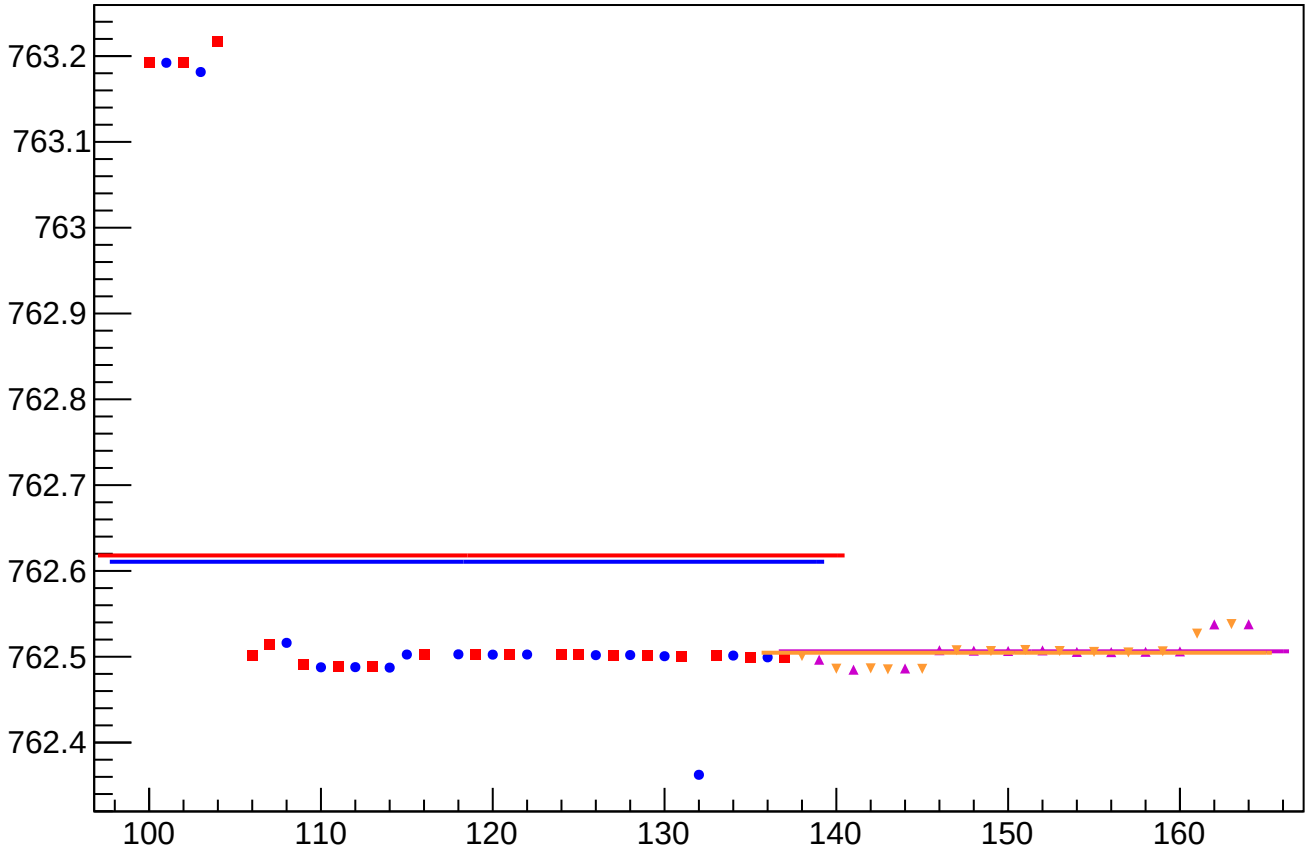
Left In: 924.989+/-0.000 χ^2/NDF:66025080906179758112728783257 6.0/12

+ sign 924.980+/-0.000 χ^2/NDF: 353156100675404

All: 924.982+/-0.000 χ^2/NDF: 554495730613

- 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: 762.505+/-0.000 χ^2/NDF:2513546308001427224630531194880.0/13

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

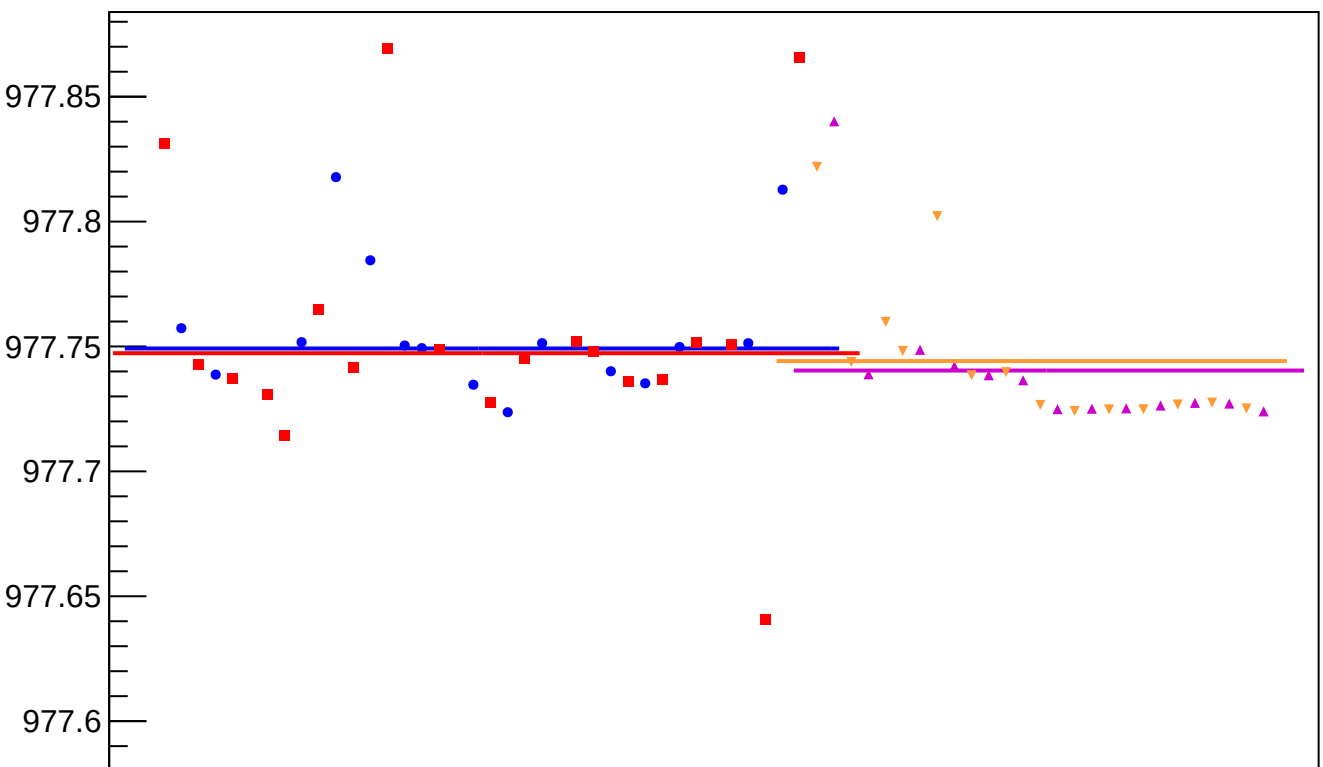
Left In: 762.506+/-0.000 χ^2/NDF:23369287662126712342420494745 6.0/12

+ sign 762.546+/-0.000 χ^2/NDF: 575110206200128

All: 762.548+/-0.000 χ^2/NDF: 116610133457

- 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: 977.744+/-0.000 χ^2/NDF:998784965695565041460196671488.0/13

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

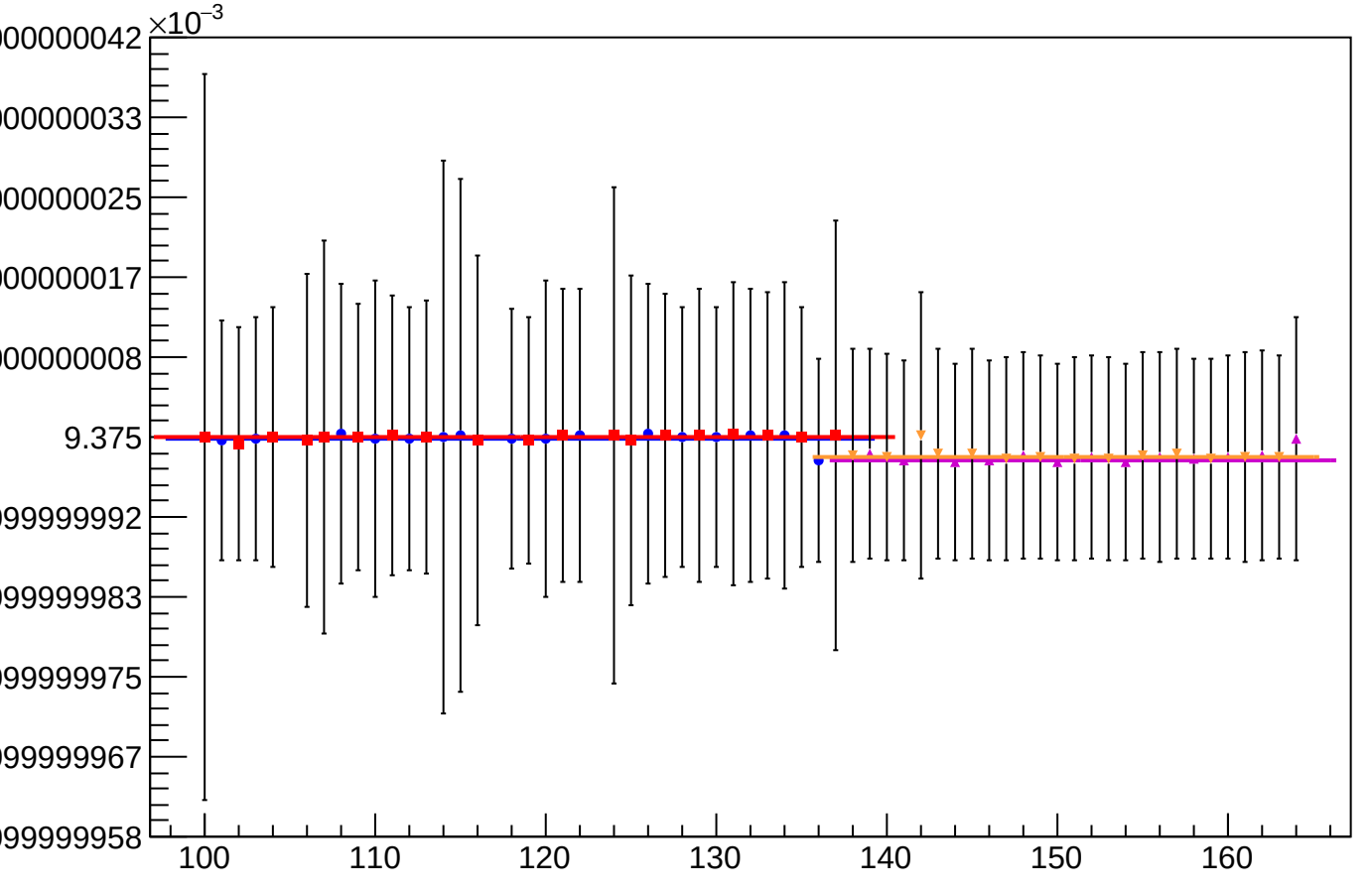
Left In: 977.740+/-0.000 χ^2/NDF:971989918667146997367079698432.0/12

+ sign 977.746+/-0.000 χ^2/NDF: 296988320686774

All: 977.745+/-0.000 χ^2/NDF: 575441331956

- 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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

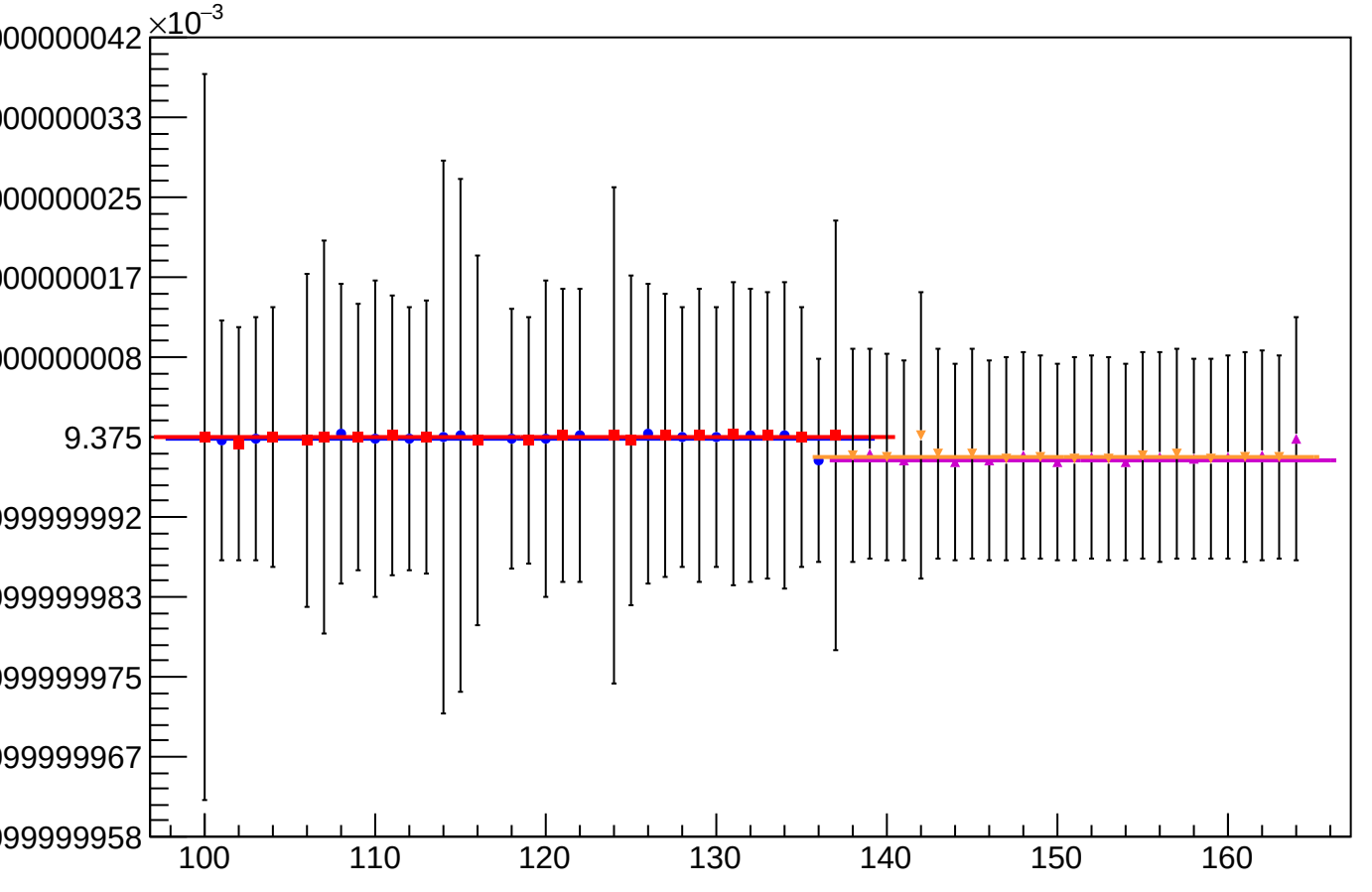
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- 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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

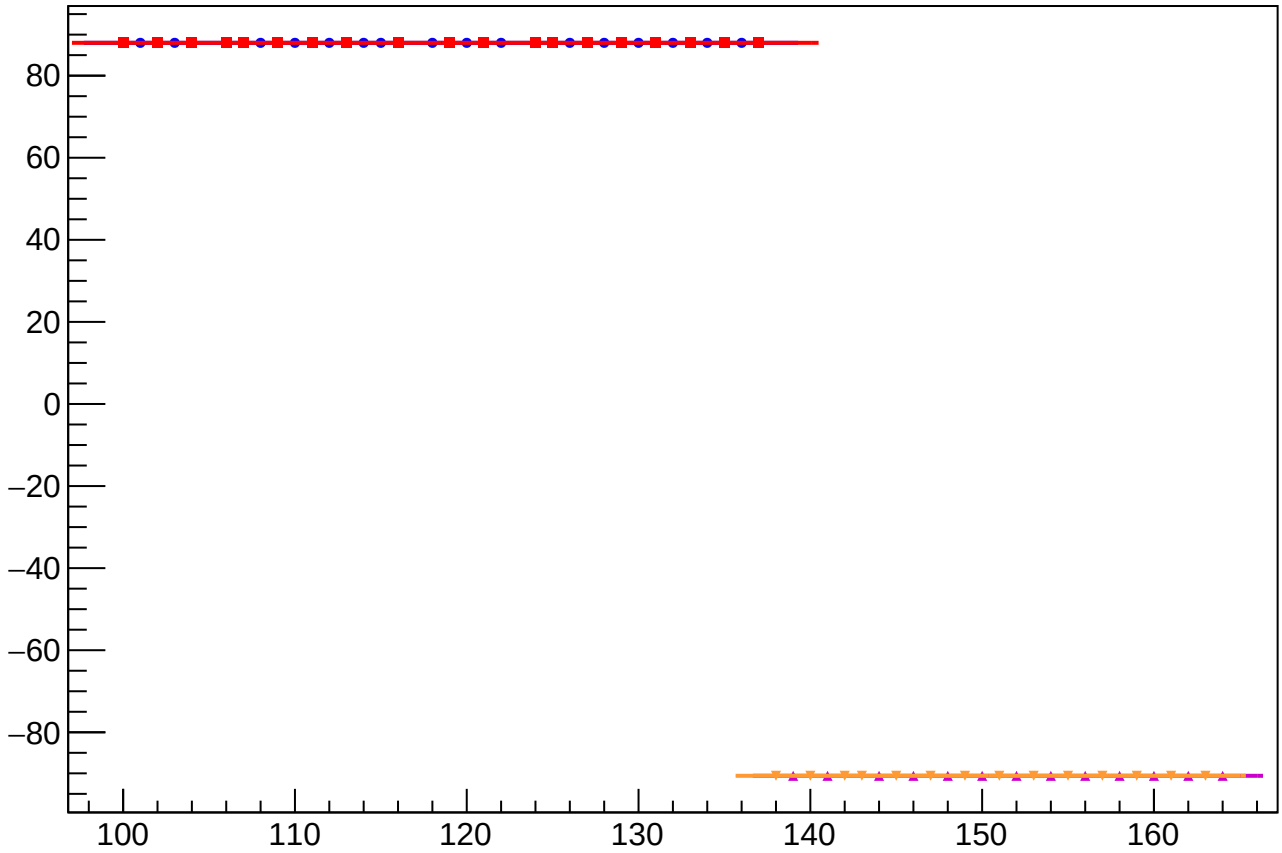
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- 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:3428679.8/13

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

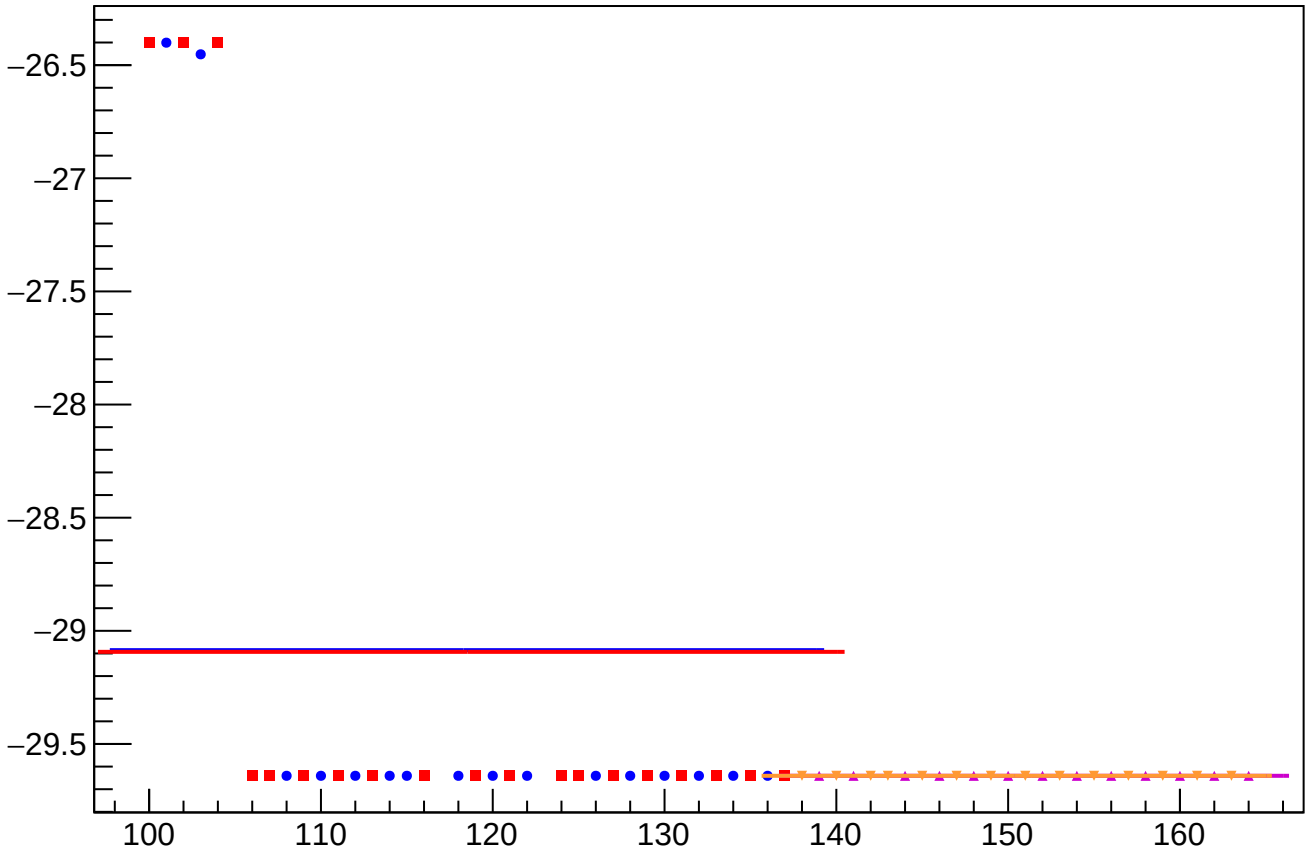
Left In: -90.599+/-0.000 χ^2/NDF:2828287.2/12

+ sign -21.346+/-0.000 χ^2/NDF: 144712581795918

All: -20.152+/-0.000 χ^2/NDF: 290519002669

- 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:178547.6/13

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 -29.425+/-0.000 χ^2/NDF: 123426360565148

All: -29.423+/-0.000 χ^2/NDF: 249662695650

- sign -29.421+/-0.000 χ^2/NDF: 126234467886434

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.088+/-0.000 χ^2/NDF:135715844162853996425926643023872.0/13

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

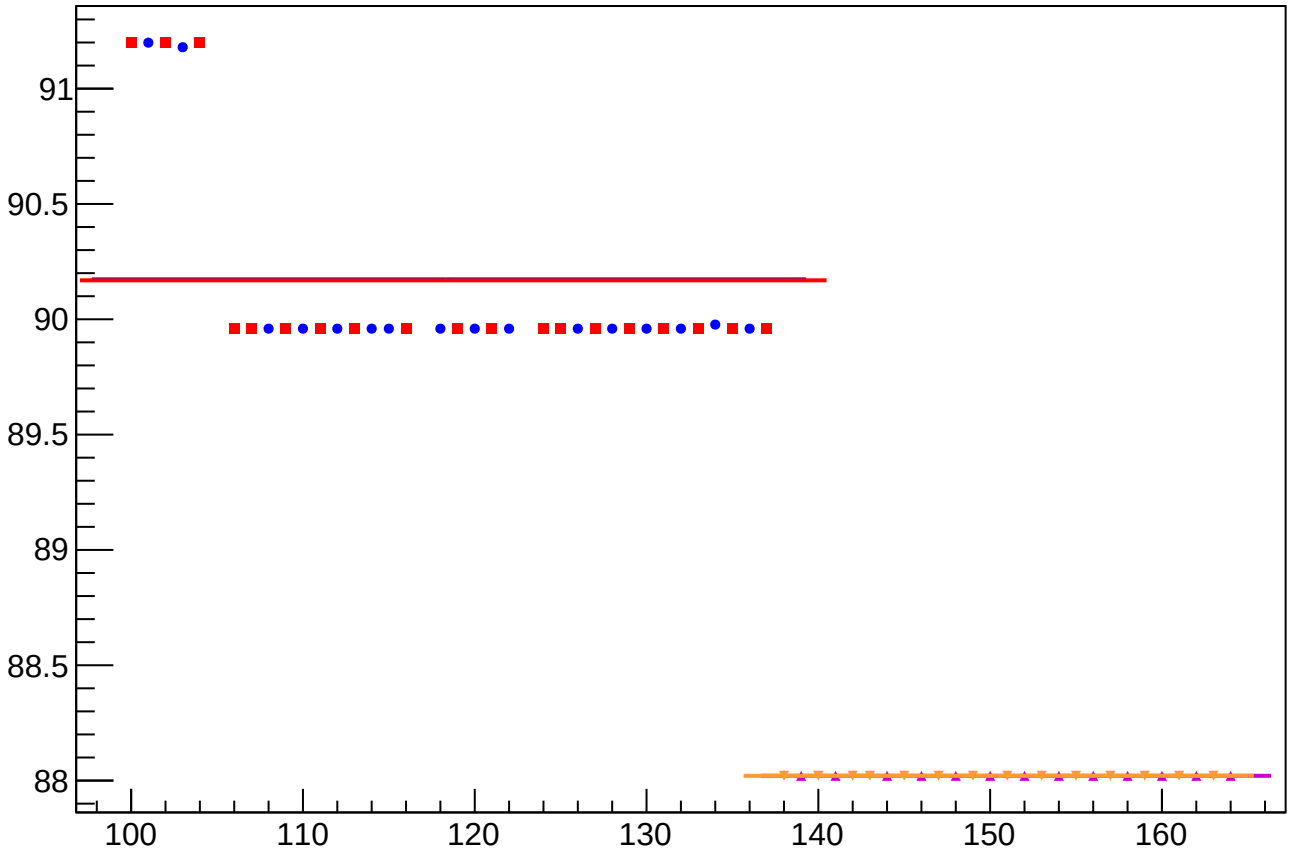
Left In: 1467.990+/-0.000 χ^2/NDF:113671641759885580942622851072.0/12

+ sign 1470.174+/-0.000 χ^2/NDF: 12015997558422

All: 1470.166+/-0.000 χ^2/NDF: 2434103120

- sign 1470.157+/-0.000 χ^2/NDF: 12325008098788

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2541318.6/13

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

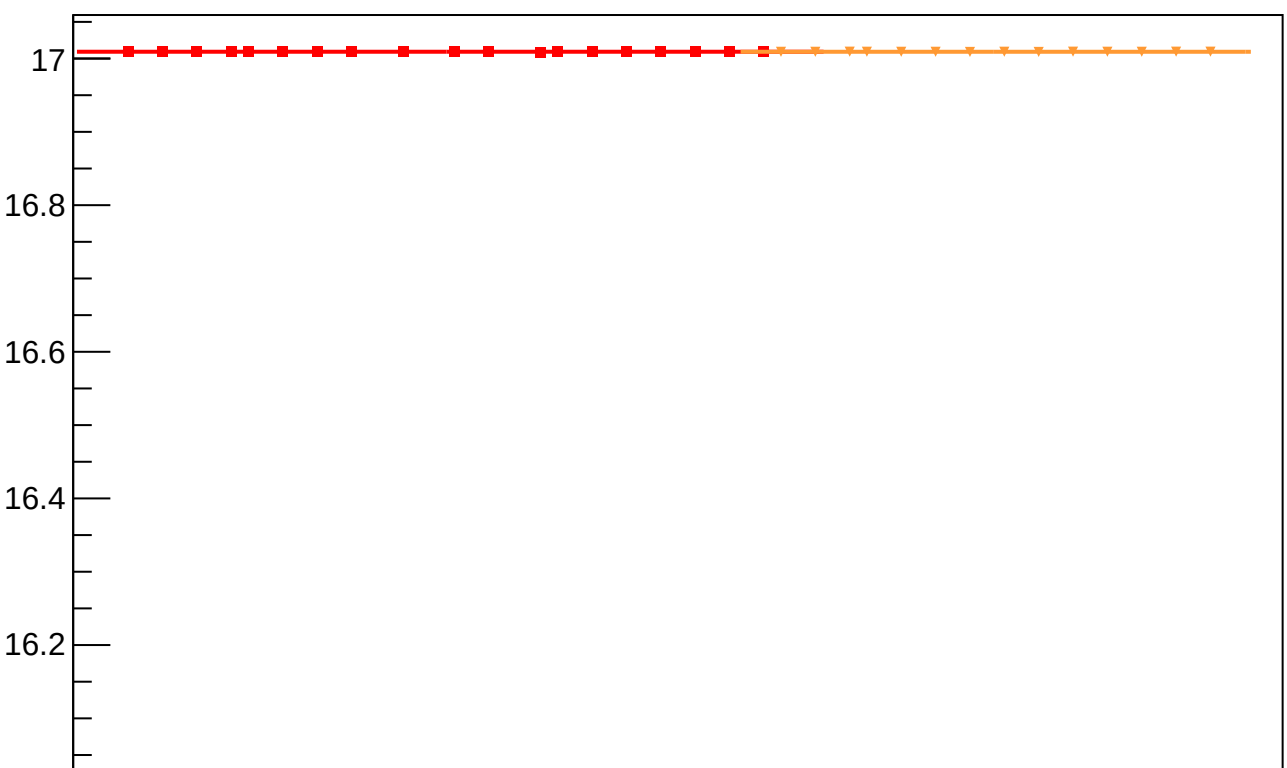
Left In: 88.021+/-0.000 χ^2/NDF:2549598.4/12

+ sign 88.855+/-0.000 χ^2/NDF: 2261124914087731

All: 88.869+/-0.000 χ^2/NDF: 453529550064

- 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:1320736224040988433339653 12.0/13

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

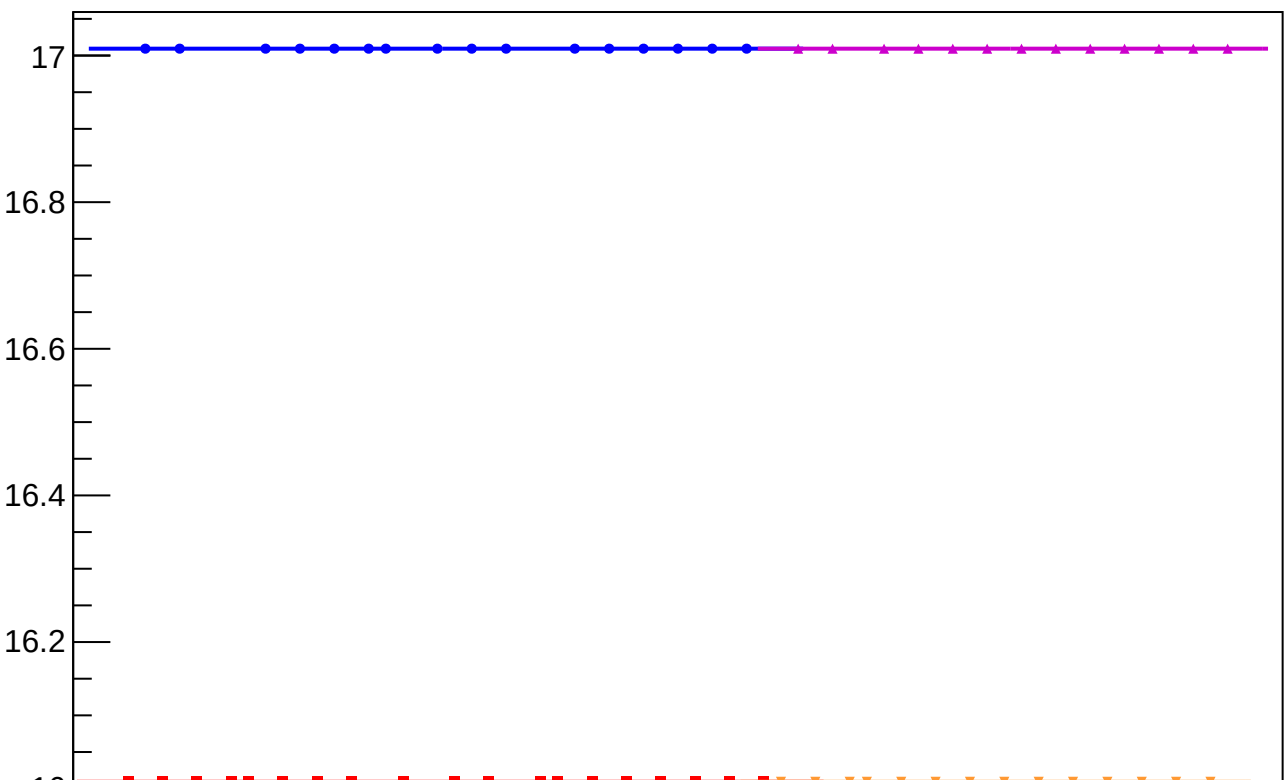
Left In: 16.009+/-0.000 χ^2/NDF:159488.7/12

+ sign 16.610+/-0.000 χ^2/NDF: 4217300621116587

All: 16.508+/-0.000 χ^2/NDF: 876796587940

- 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:50815.3/13

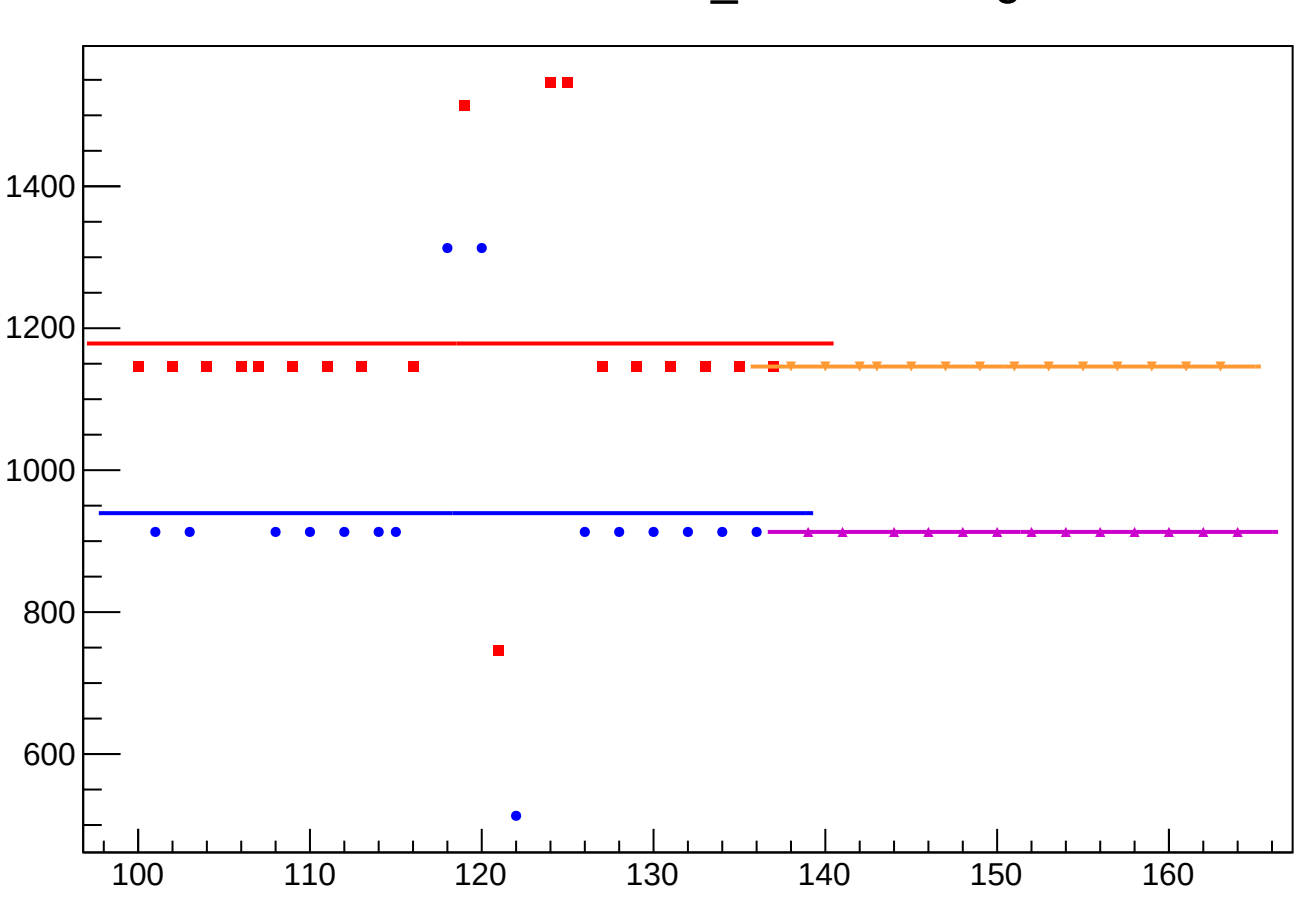
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:32766.1/12

+ sign 16.388+/-0.000 χ^2/NDF: 4394148822269812

All: 16.497+/-0.000 χ^2/NDF: 9356475300400

- sign 16.605+/-0.000 χ^2/NDF: 4520841768779590



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1065.914+/-0.000 χ^2/NDF: 4044078881311

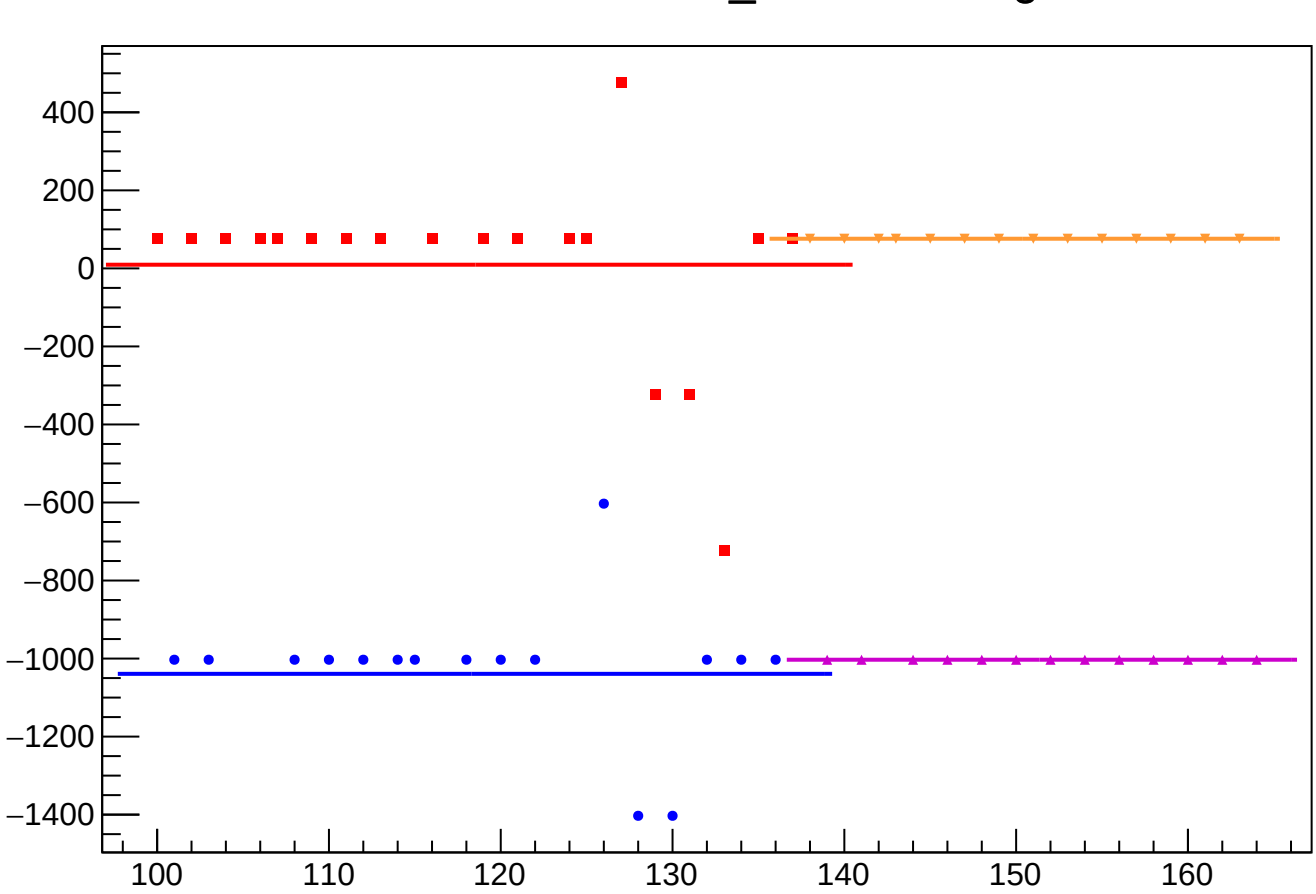
Left Out: 1146.011+/-0.000 χ^2/NDF:490309069397277802234275430 4.0/13

All: 1042.767+/-0.000 χ^2/NDF: 9684652917

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1019.509+/-0.000 χ^2/NDF: 54352968699094

Left In: 912.995+/-0.000 χ^2/NDF:16685771205751619067085586432.0/12



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -356.401+/-0.000 χ^2/NDF: 58705839161267

Left Out: 76.011+/-0.000 χ^2/NDF:8613027272868809168430039040.0/13

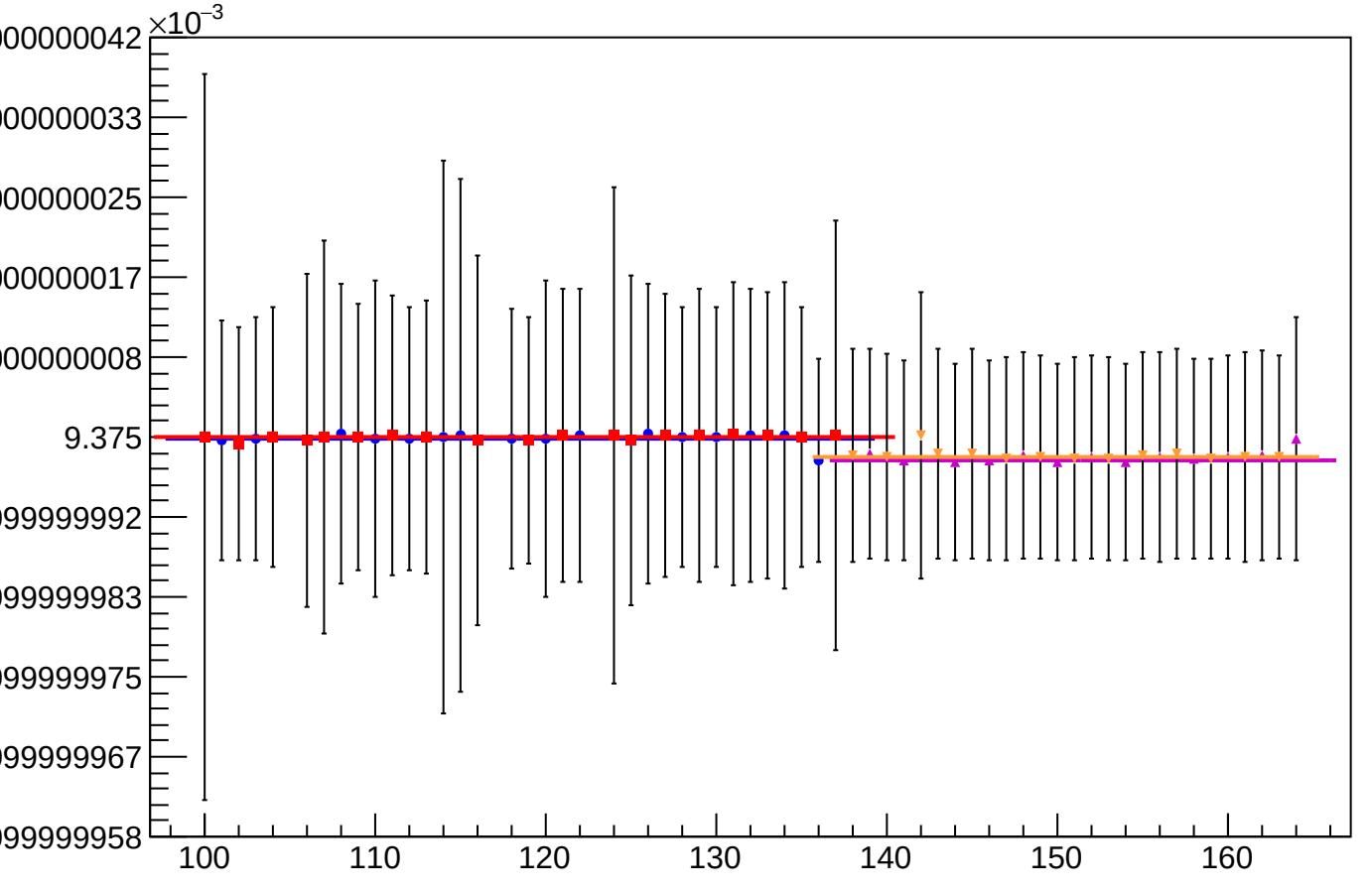
All: -476.342+/-0.000 χ^2/NDF: 1156565968

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -596.851+/-0.000 χ^2/NDF: 51439455322455

Left In: -1002.990+/-0.000 χ^2/NDF:16613335123966961030969425920.0/12

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

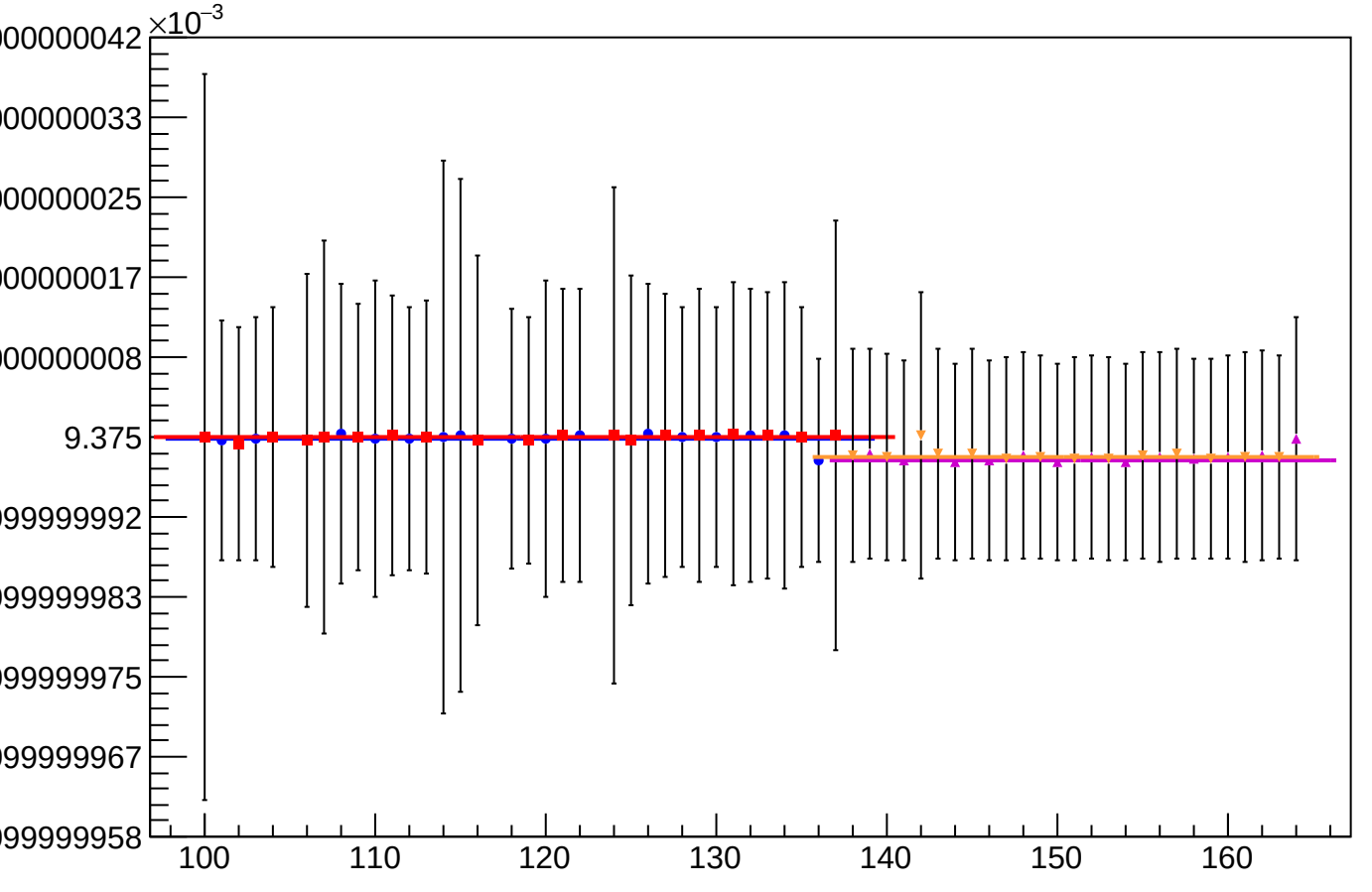
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- 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:0.0/13

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: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/61

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31