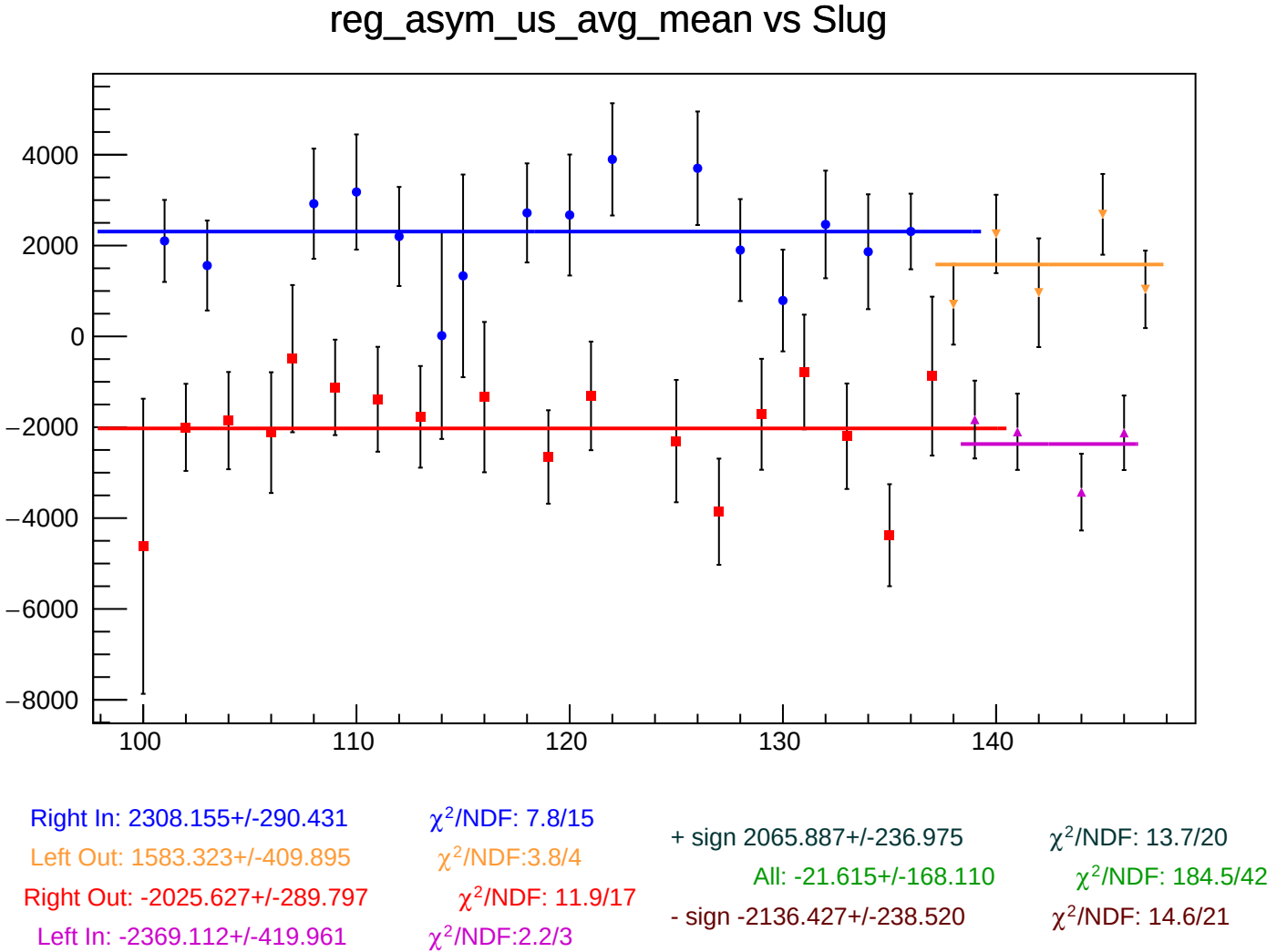


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

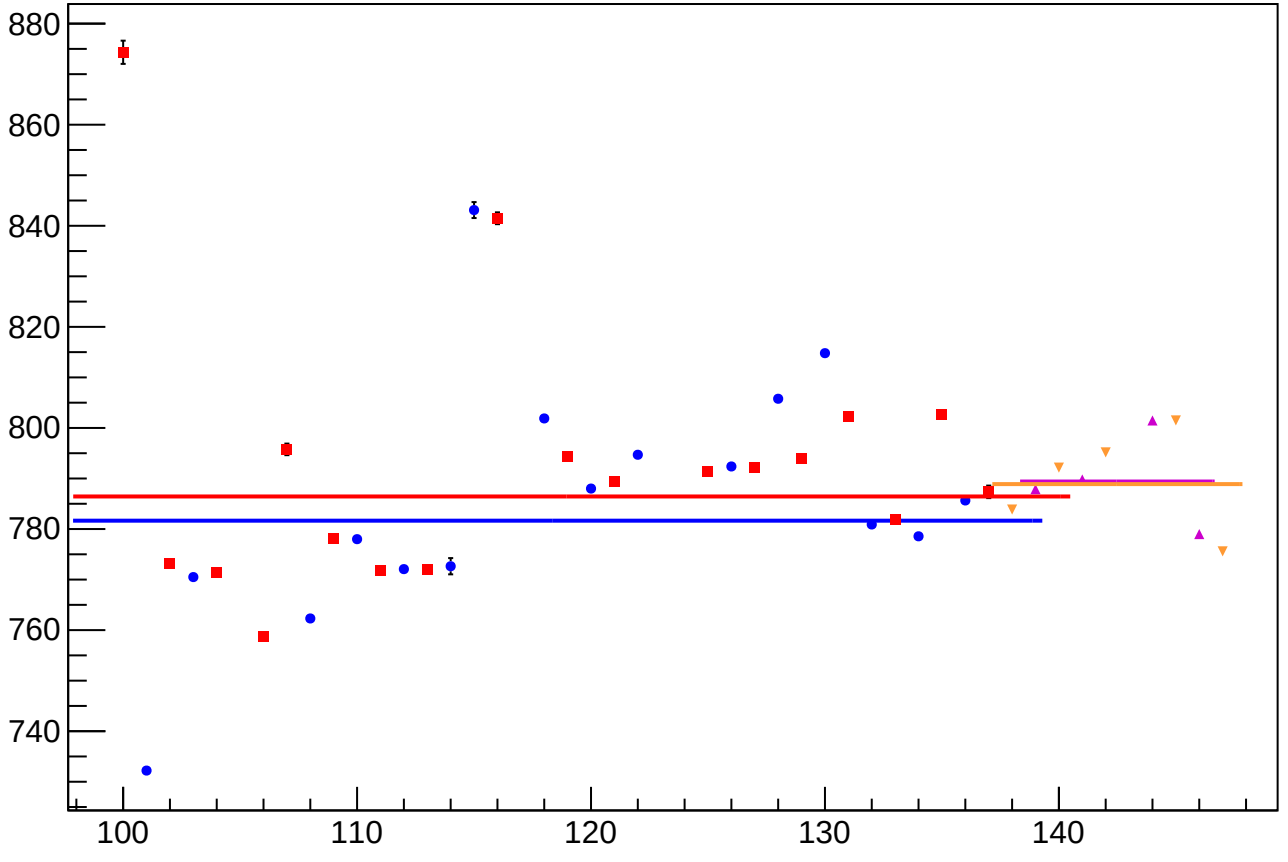
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2065.887+/-236.975 χ^2/NDF: 13.7/20

All: -21.615+/-168.110 χ^2/NDF: 184.5/42

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

reg_asym_us_avg_rms vs Slug



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

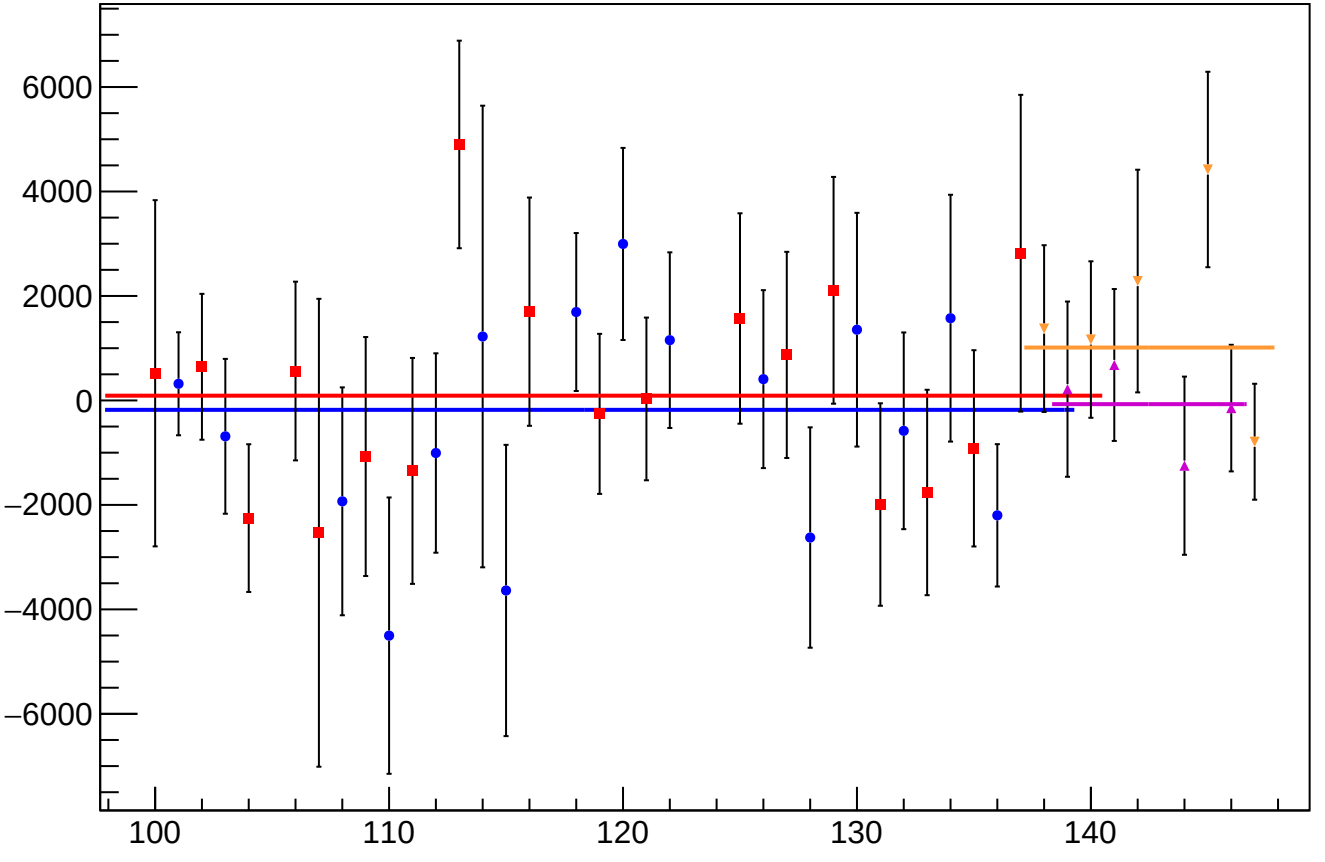
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.073+/-0.168 χ^2/NDF: 13770.7/20

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

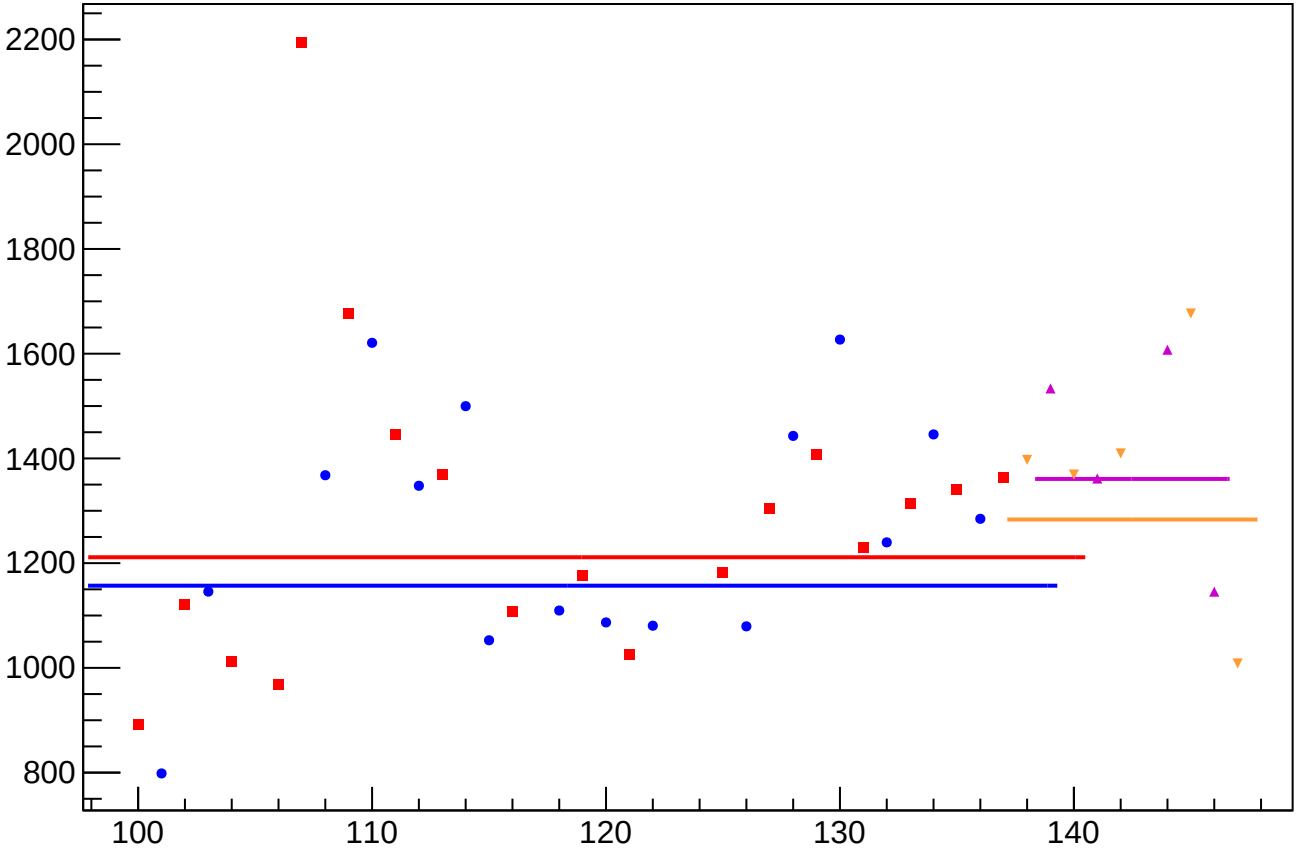
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 172.181+/-370.035 χ^2/NDF: 23.9/20

All: 112.015+/-267.351 χ^2/NDF: 40.0/42

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

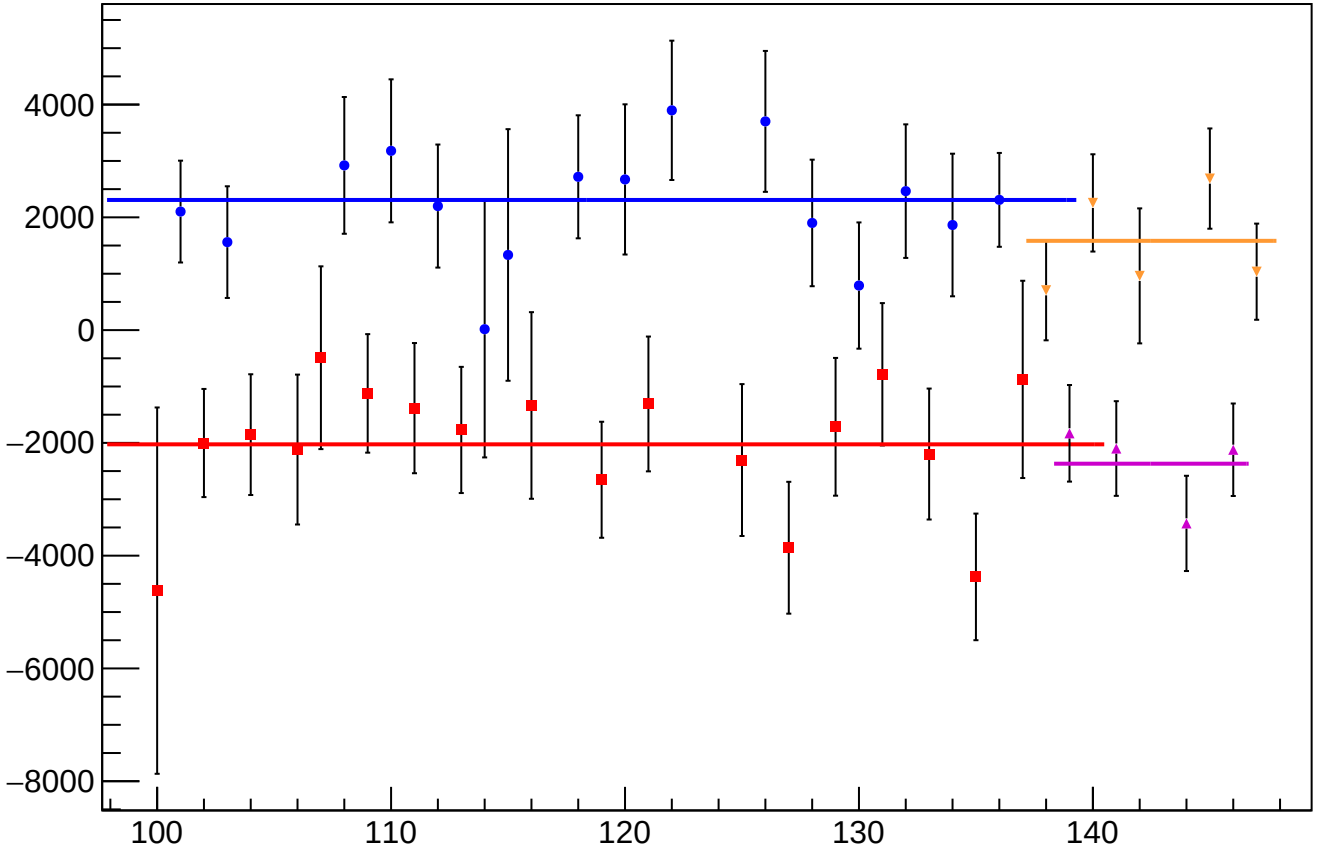
Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1194.264+/-0.262 χ^2/NDF: 852528.0/20

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21

cor_asym_us_avg_mean vs Slug



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

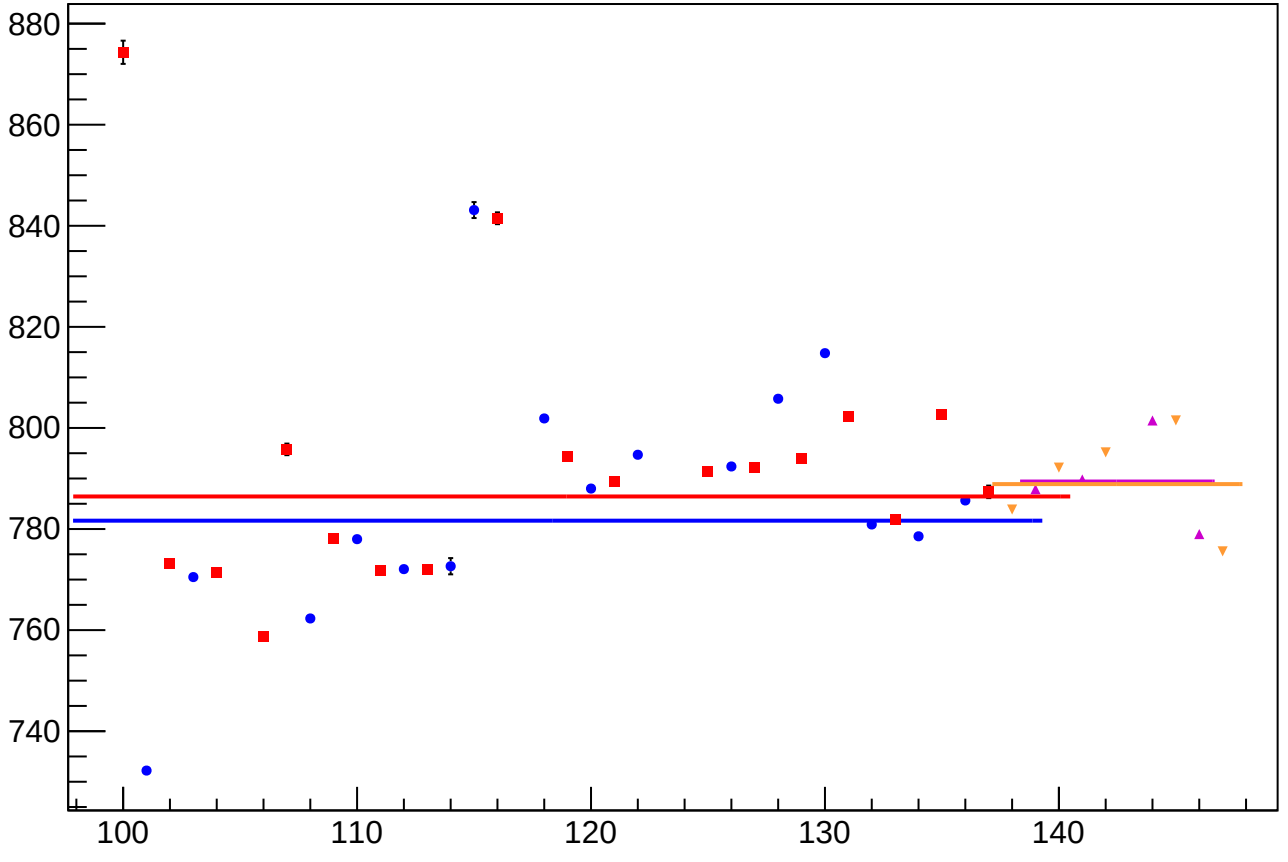
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2065.887+/-236.975 χ^2/NDF: 13.7/20

All: -21.615+/-168.110 χ^2/NDF: 184.5/42

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

cor_asym_us_avg_rms vs Slug



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

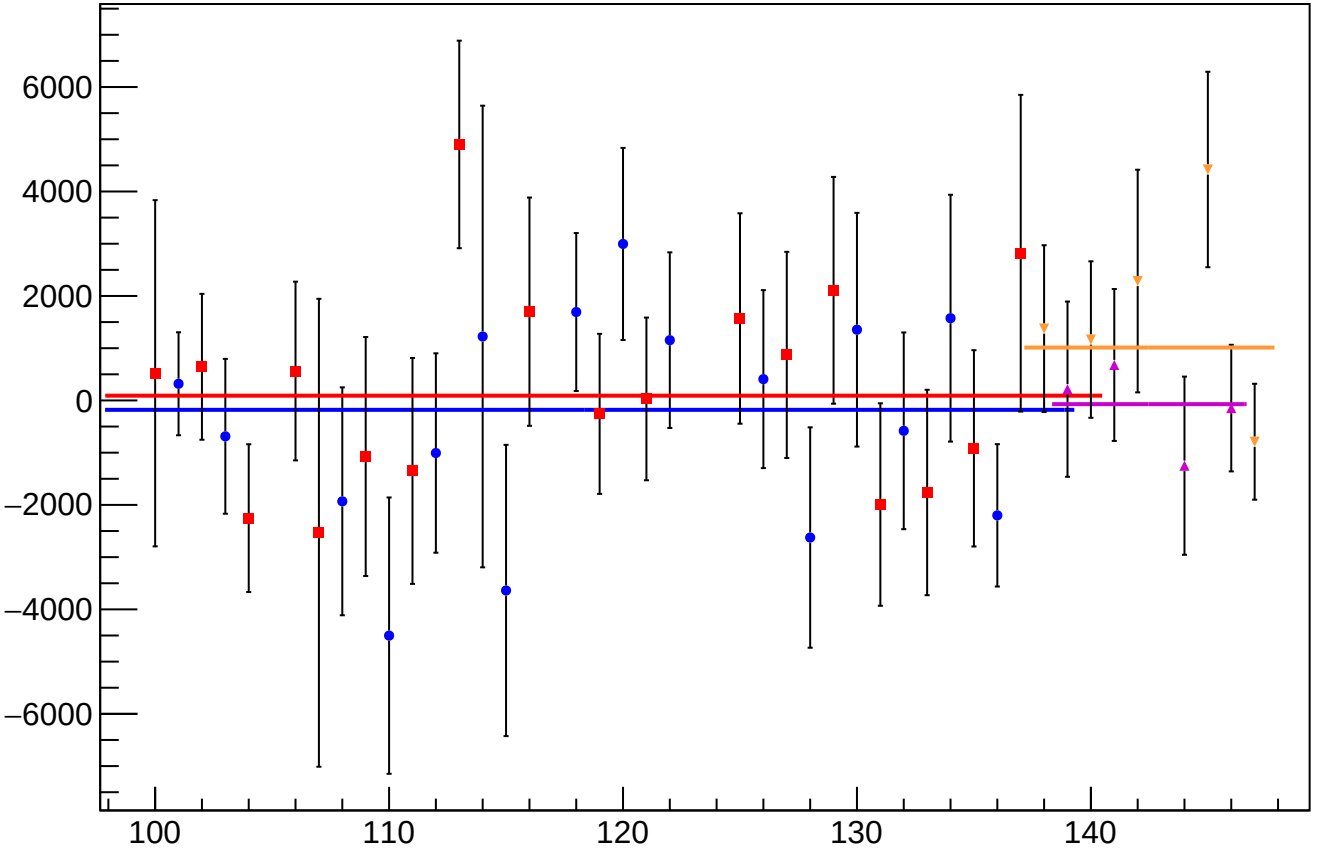
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.073+/-0.168 χ^2/NDF: 13770.7/20

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

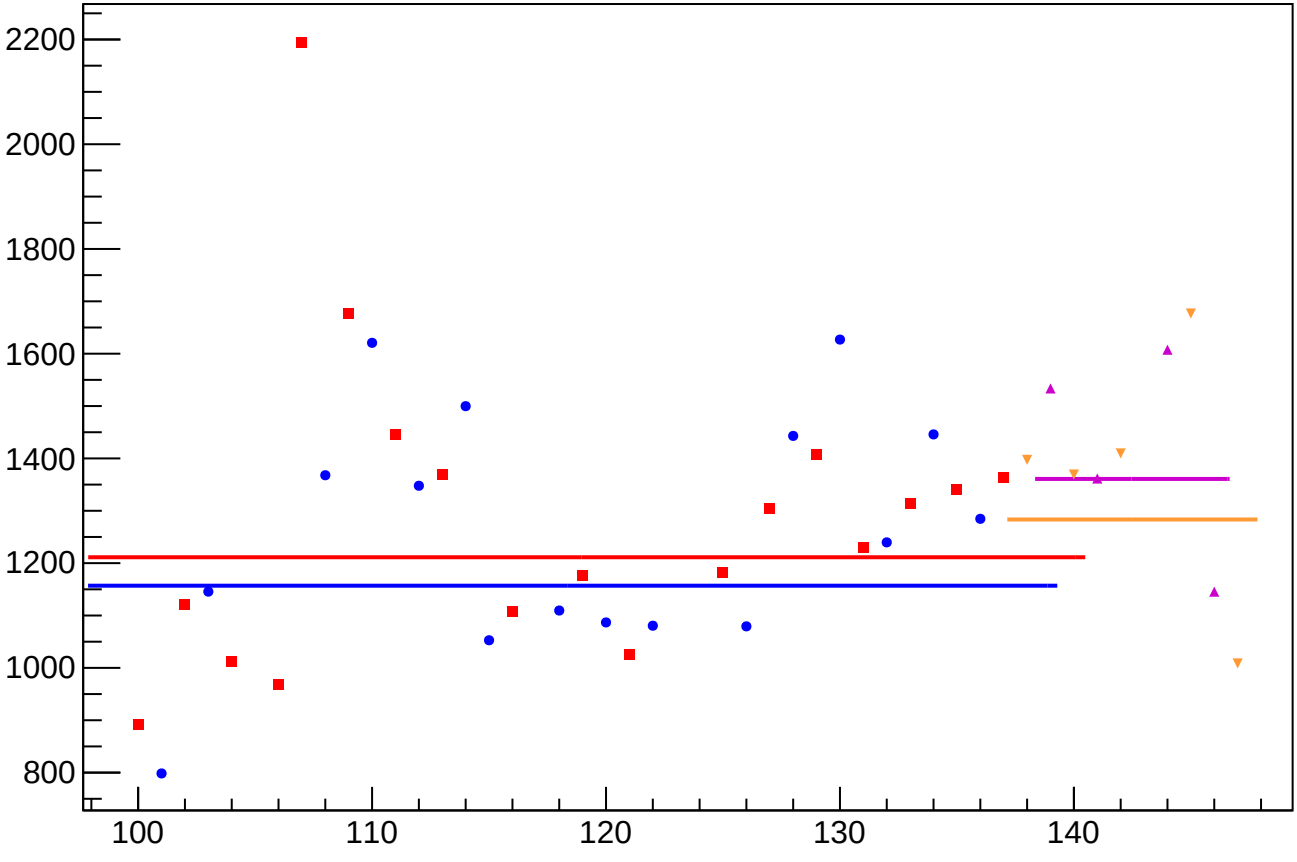
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 172.181+/-370.035 χ^2/NDF: 23.9/20

All: 112.015+/-267.351 χ^2/NDF: 40.0/42

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

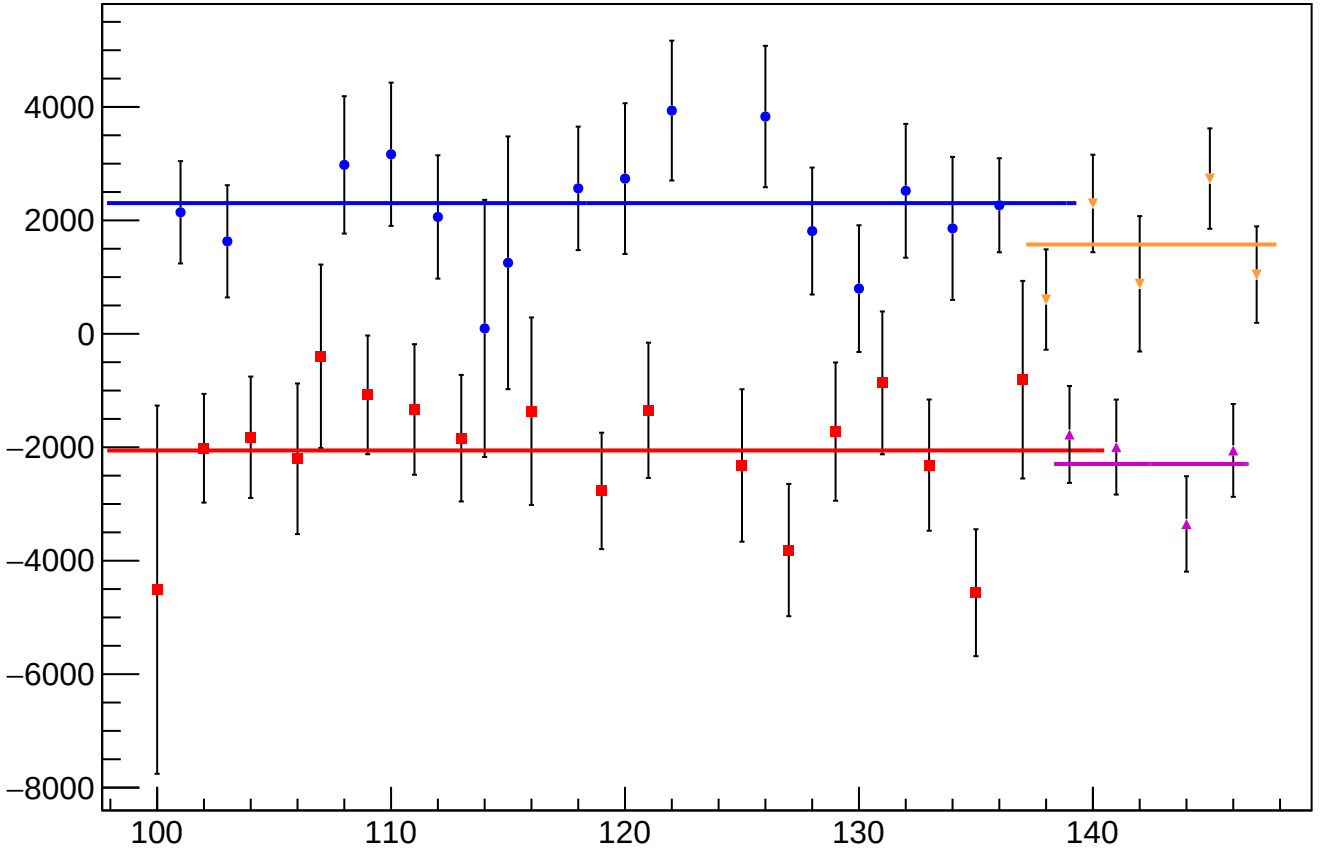
Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1194.264+/-0.262 χ^2/NDF: 852528.0/20

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1575.596+/-408.511 χ^2/NDF:4.4/4

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

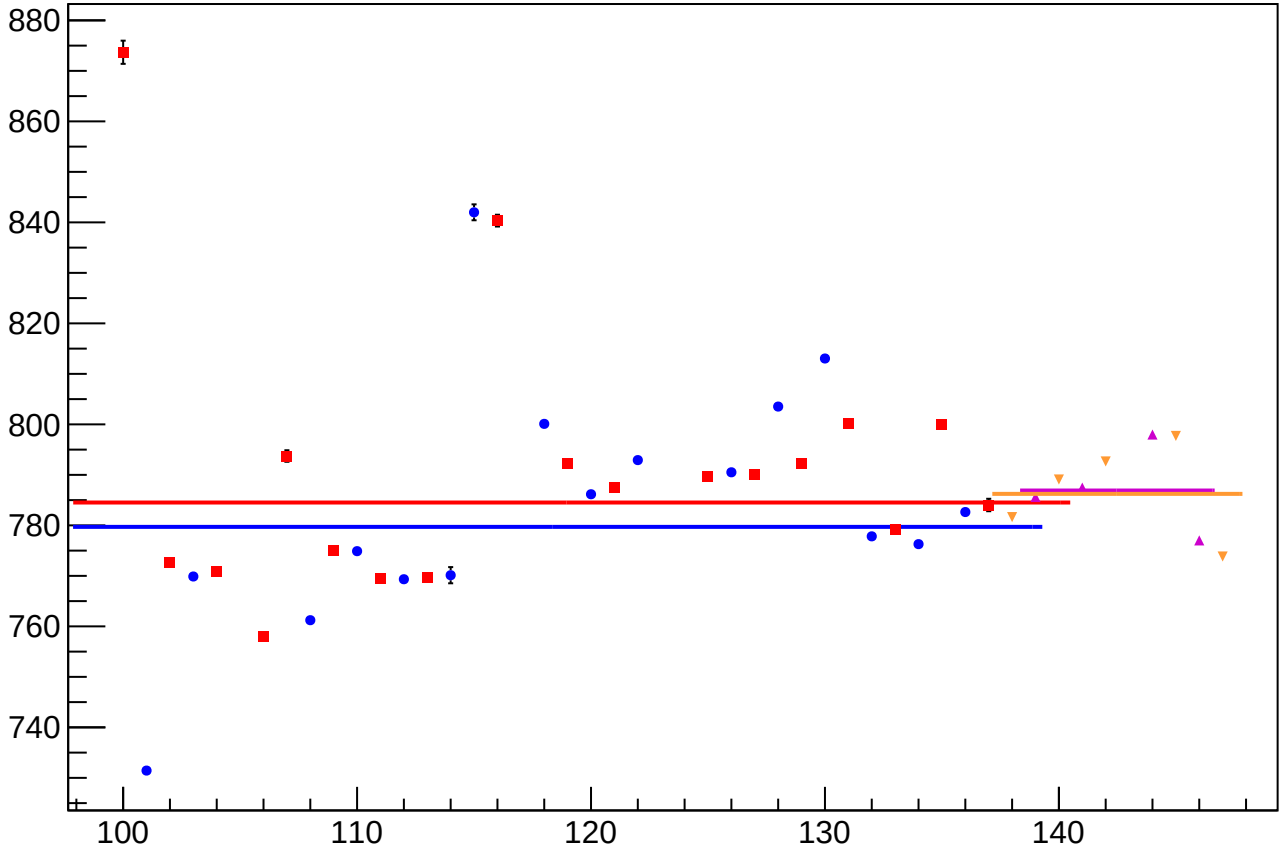
Left In: -2294.202+/-418.626 χ^2/NDF:2.2/3

+ sign 2060.821+/-236.312 χ^2/NDF: 14.6/20

All: -22.059+/-167.650 χ^2/NDF: 186.2/42

- sign -2132.689+/-237.881 χ^2/NDF: 15.3/21

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 786.237+/-0.289 χ^2/NDF:895.3/4

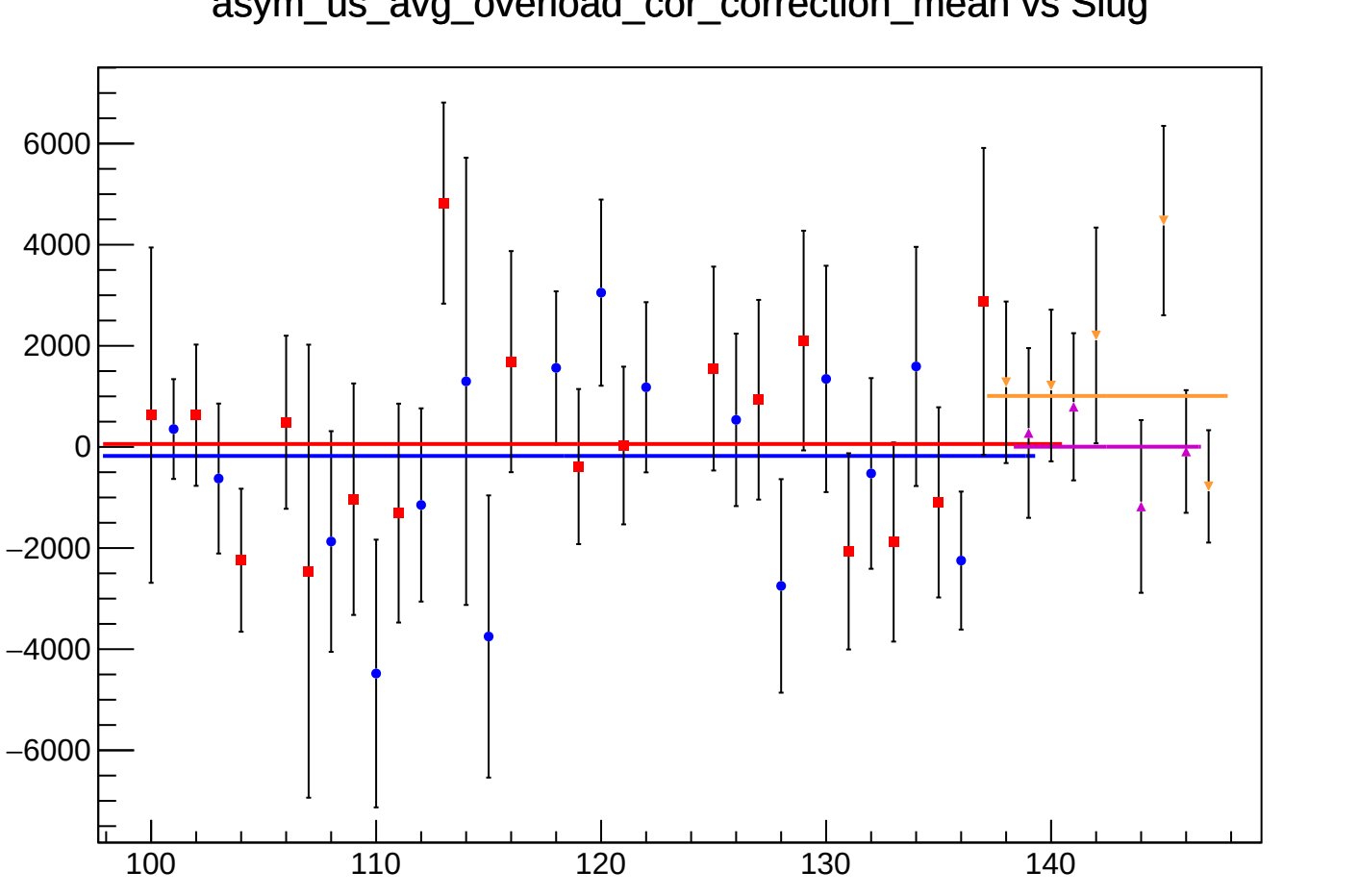
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 786.900+/-0.296 χ^2/NDF:644.6/3

+ sign 781.889+/-0.167 χ^2/NDF: 13296.1/20

All: 783.579+/-0.119 χ^2/NDF: 21350.3/42

- sign 785.291+/-0.168 χ^2/NDF: 7848.3/21



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

Left Out: 1008.798+/-681.844 χ^2/NDF:6.4/4

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

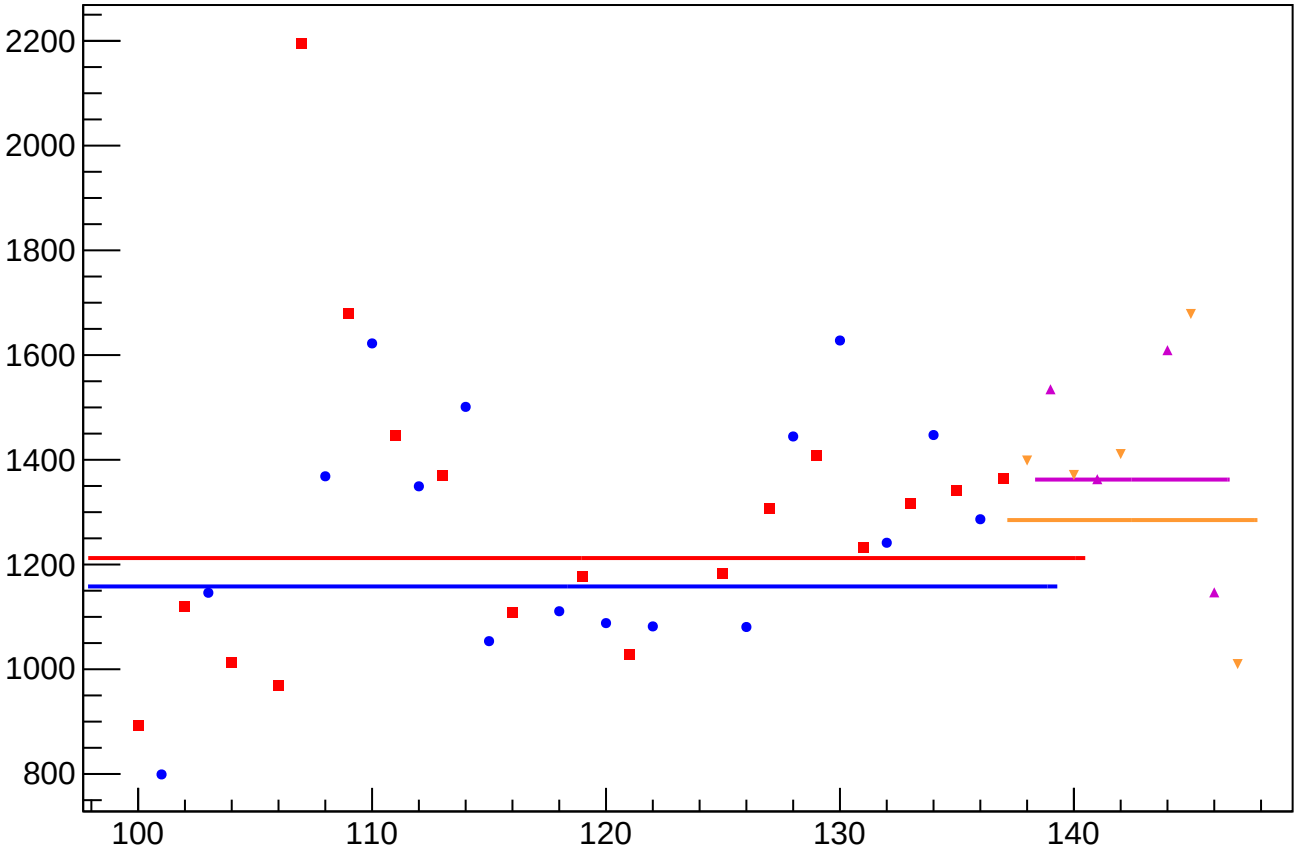
Left In: 4.239+/-735.349 χ^2/NDF:0.8/3

\+ sign 171.955+/-370.427 χ^2/NDF: 24.2/20

All: 110.371+/-267.617 χ^2/NDF: 40.3/42

\- sign 43.135+/-387.054 χ^2/NDF: 16.1/21

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1284.896+/-0.482 χ^2/NDF:234508.2/4

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

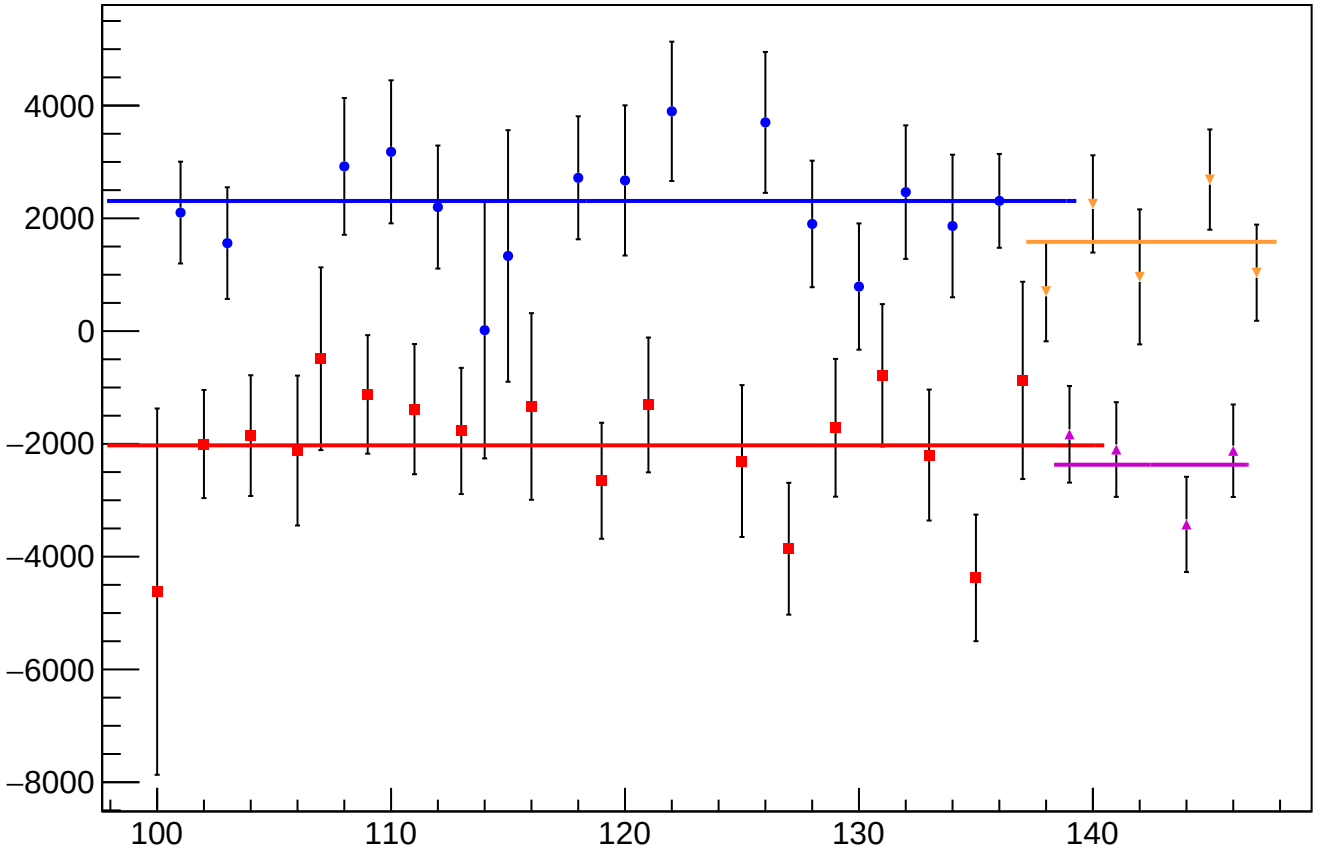
Left In: 1362.239+/-0.520 χ^2/NDF:126044.5/3

+ sign 1195.547+/-0.262 χ^2/NDF: 852376.7/20

All: 1223.431+/-0.189 χ^2/NDF: 1460142.7/42

- sign 1253.874+/-0.274 χ^2/NDF: 584060.3/21

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

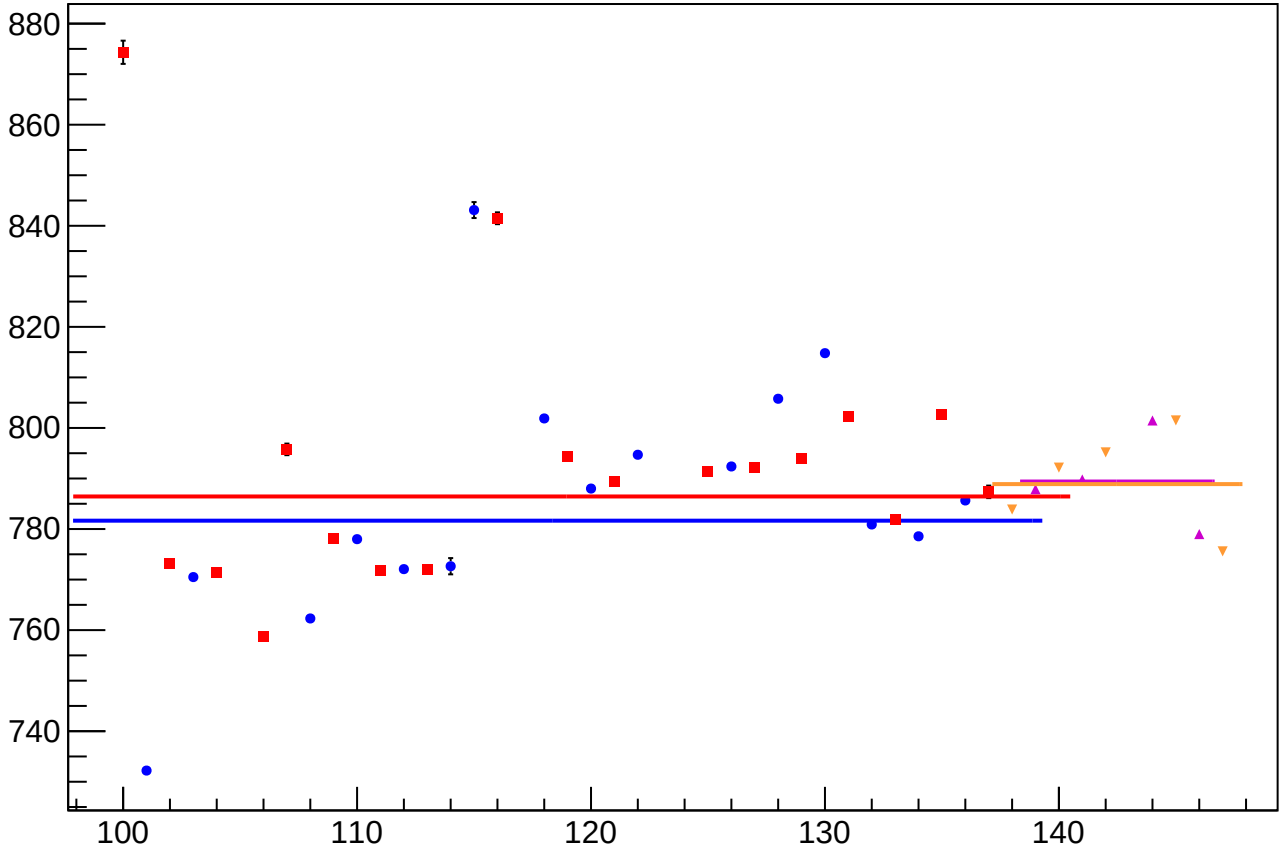
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2065.887+/-236.975 χ^2/NDF: 13.7/20

All: -21.615+/-168.110 χ^2/NDF: 184.5/42

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

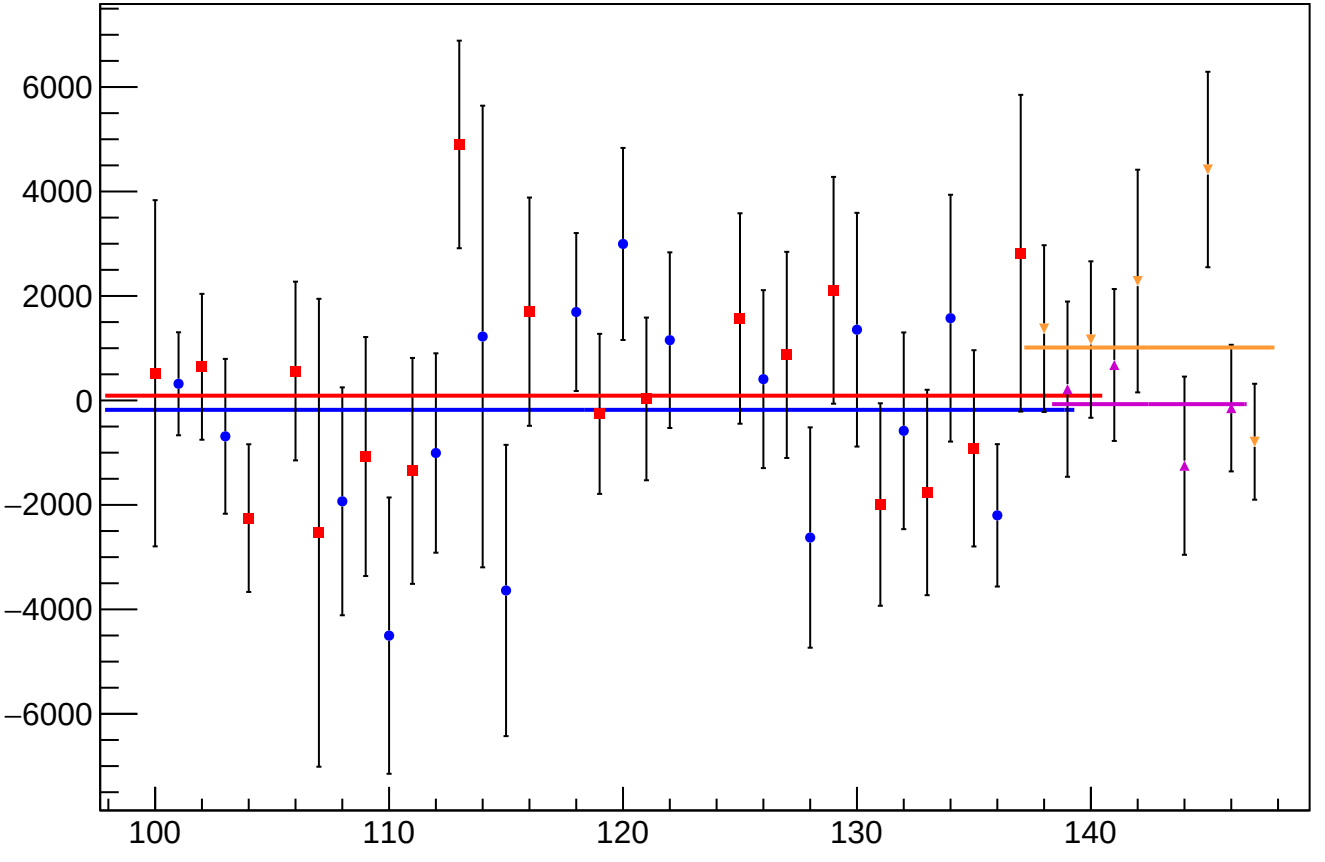
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.073+/-0.168 χ^2/NDF: 13770.7/20

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

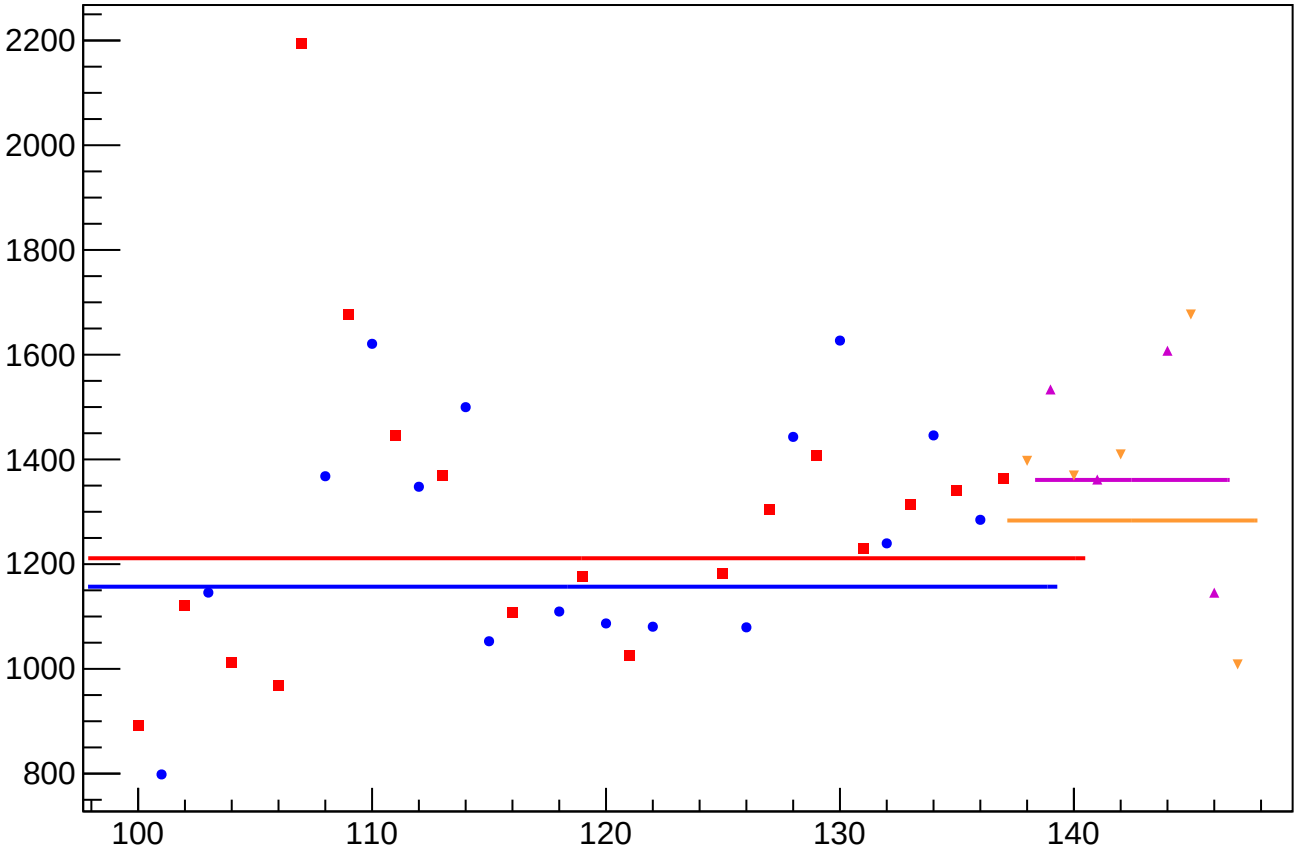
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 172.181+/-370.035 χ^2/NDF: 23.9/20

All: 112.015+/-267.351 χ^2/NDF: 40.0/42

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

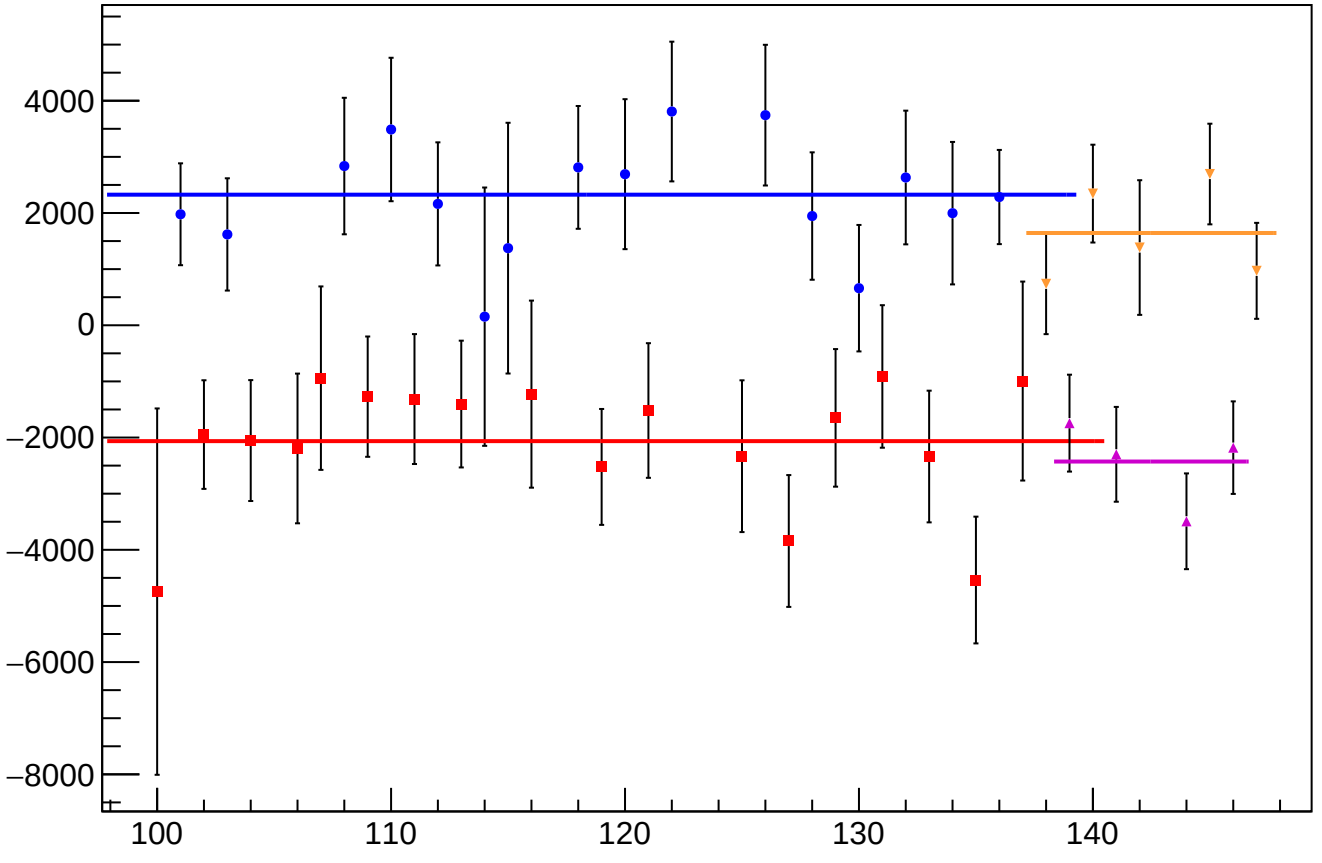
Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1194.264+/-0.262 χ^2/NDF: 852528.0/20

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21

dit_asym_us_avg_mean vs Slug



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

Left Out: 1644.011+/-412.753 χ^2/NDF:3.7/4

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

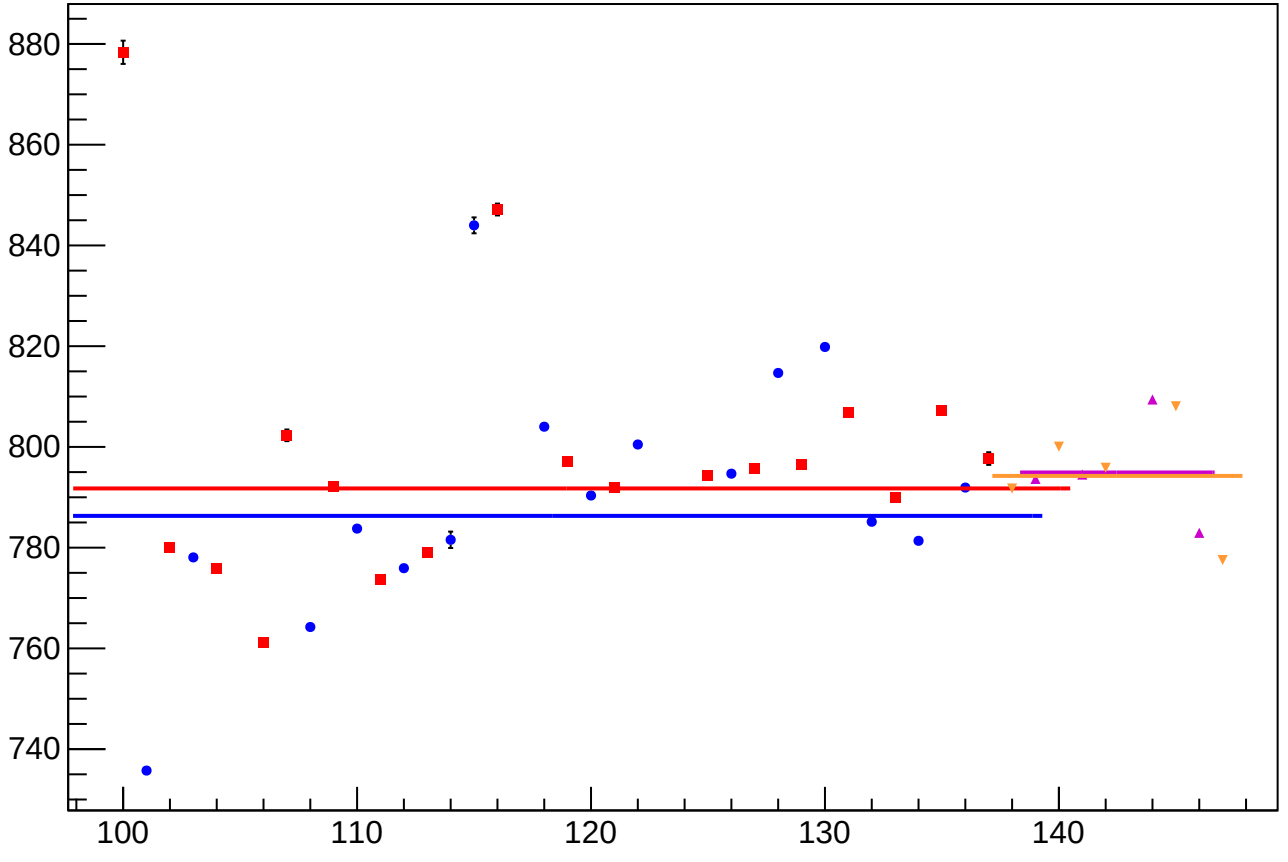
Left In: -2427.523+/-422.952 χ^2/NDF:2.3/3

+ sign 2098.629+/-238.474 χ^2/NDF: 13.7/20

All: -26.048+/-169.226 χ^2/NDF: 188.0/42

- sign -2181.209+/-240.179 χ^2/NDF: 14.4/21

dit_asym_us_avg_rms vs Slug



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.7/4

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

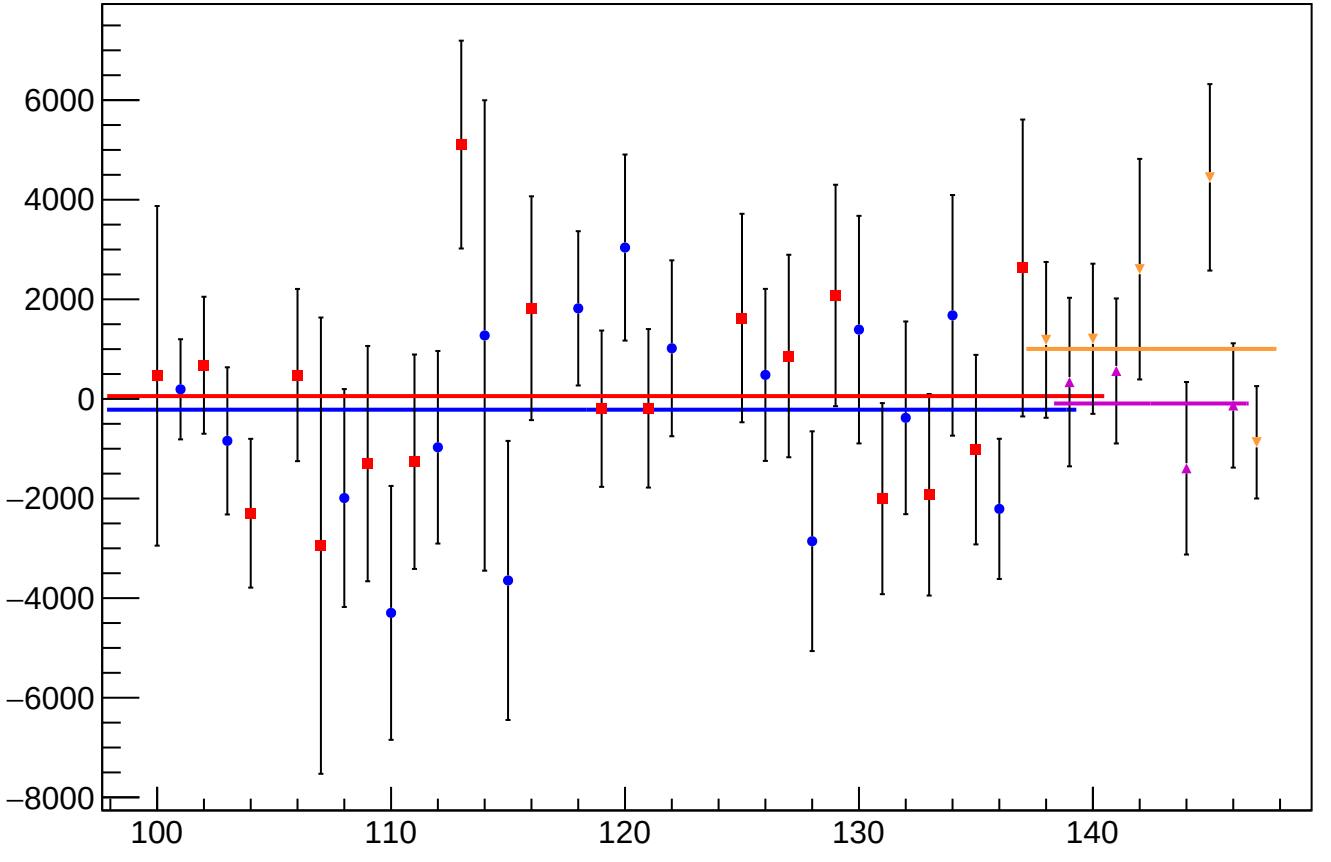
Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

+ sign 788.959+/-0.169 χ^2/NDF: 14410.2/20

All: 790.855+/-0.120 χ^2/NDF: 22760.6/42

- sign 792.778+/-0.170 χ^2/NDF: 8095.6/21

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 1004.528+/-686.296 χ^2/NDF:6.7/4

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

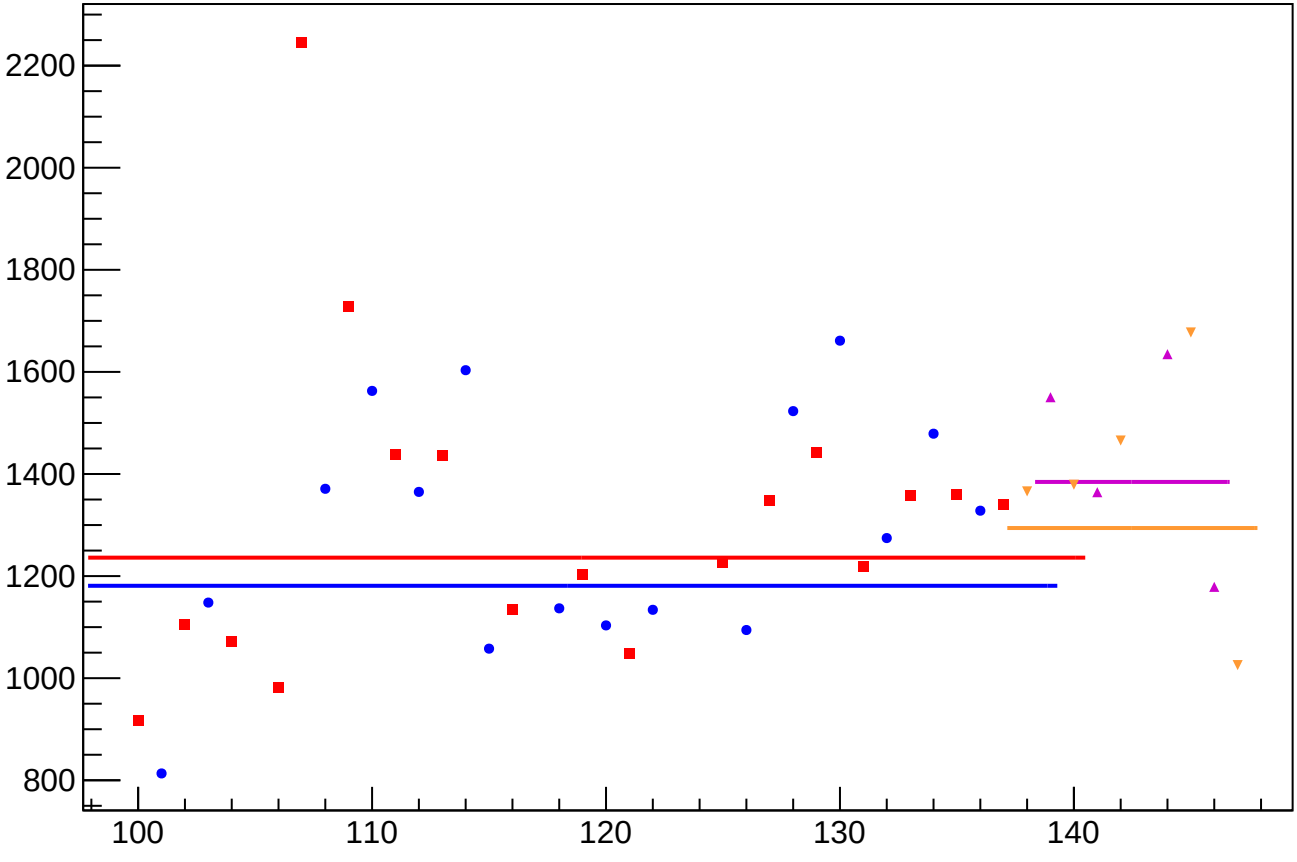
Left In: -91.794+/-746.201 χ^2/NDF:0.8/3

+ sign 150.316+/-376.047 χ^2/NDF: 24.2/20

All: 85.985+/-272.038 χ^2/NDF: 40.2/42

- sign 15.358+/-394.021 χ^2/NDF: 16.0/21

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1294.172+/-0.485 χ^2/NDF:219557.4/4

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

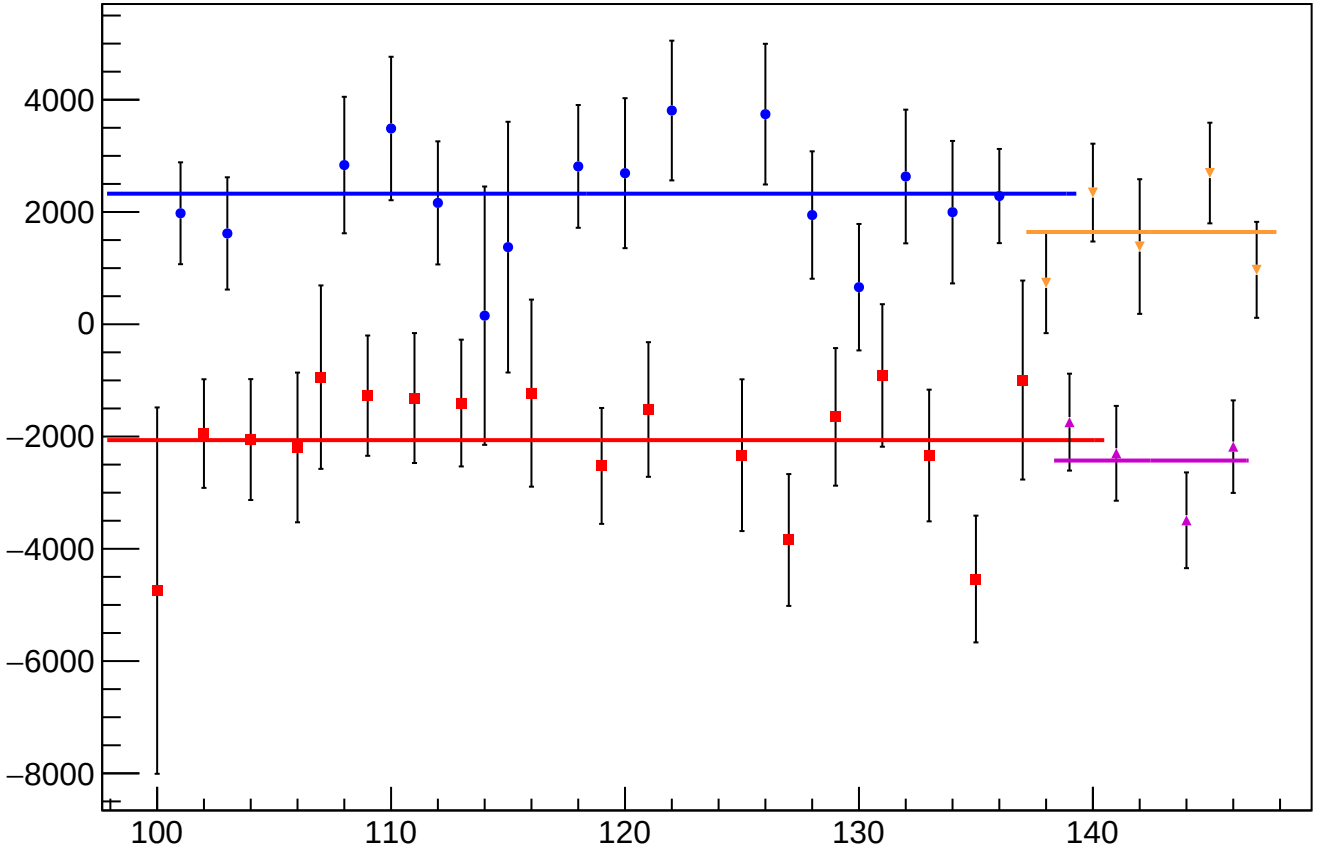
Left In: 1384.457+/-0.528 χ^2/NDF:115577.0/3

+ sign 1214.977+/-0.266 χ^2/NDF: 828724.0/20

All: 1244.775+/-0.192 χ^2/NDF: 1424875.8/42

- sign 1277.490+/-0.279 χ^2/NDF: 569806.2/21

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1644.013+/-412.753 χ^2/NDF:3.7/4

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

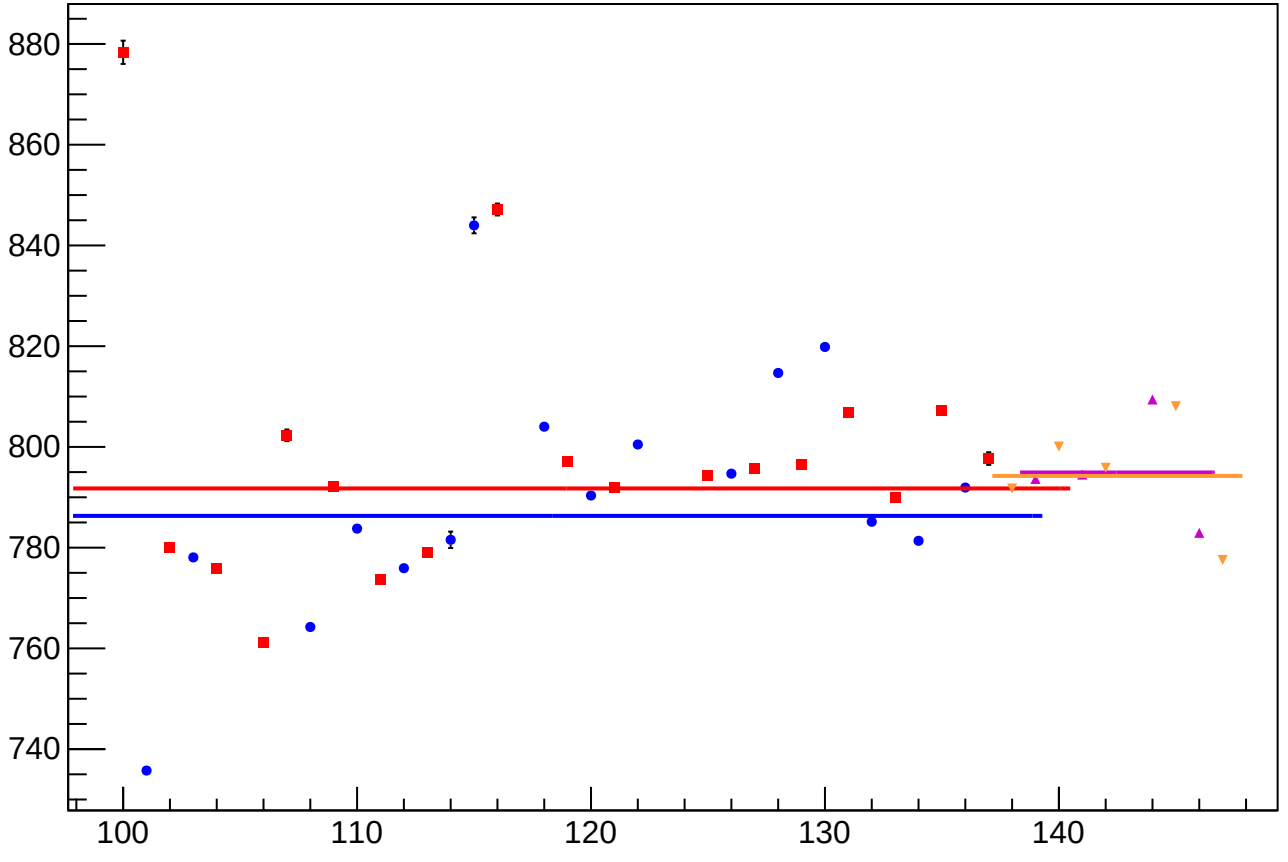
Left In: -2427.522+/-422.952 χ^2/NDF:2.3/3

+ sign 2098.630+/-238.474 χ^2/NDF: 13.7/20

All: -26.047+/-169.226 χ^2/NDF: 188.0/42

- sign -2181.208+/-240.179 χ^2/NDF: 14.4/21

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.6/4

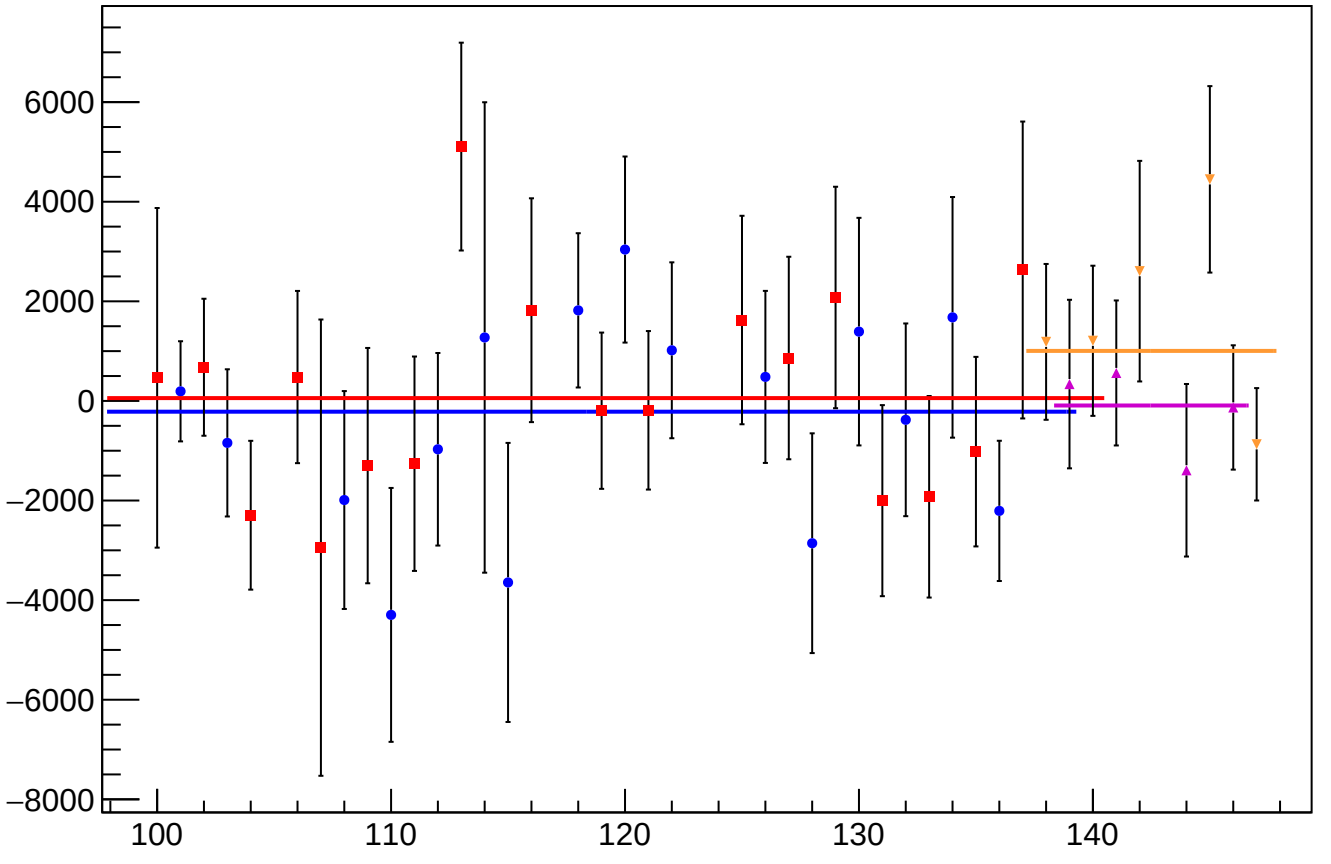
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

+ sign 788.958+/-0.169 χ^2/NDF: 14410.2/20

All: 790.855+/-0.120 χ^2/NDF: 22760.5/42

- sign 792.778+/-0.170 χ^2/NDF: 8095.6/21



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

Left Out: 1004.526+/-686.297 χ^2/NDF:6.7/4

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

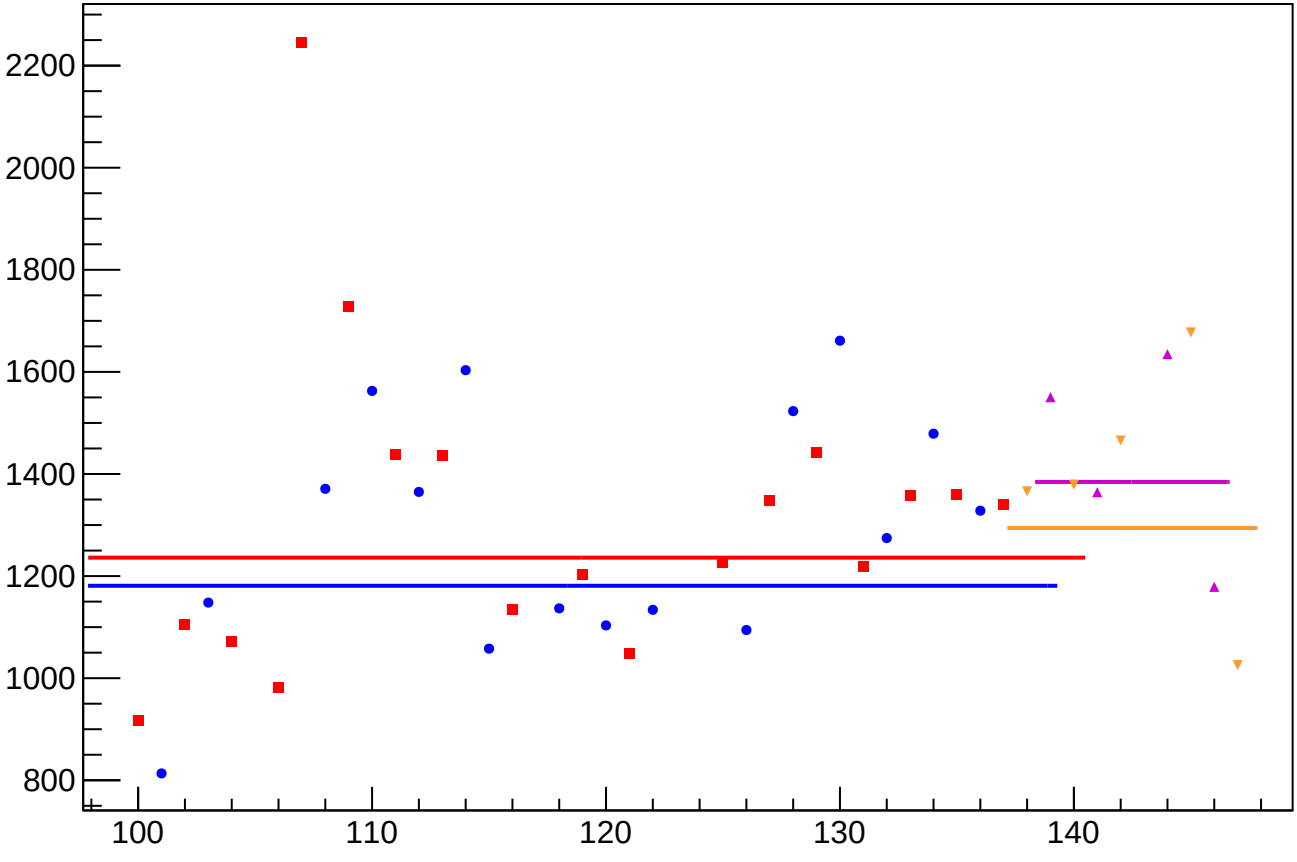
Left In: -91.793+/-746.203 χ^2/NDF:0.8/3

+ sign 150.313+/-376.046 χ^2/NDF: 24.2/20

All: 85.984+/-272.037 χ^2/NDF: 40.2/42

- sign 15.358+/-394.020 χ^2/NDF: 16.0/21

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1294.174+/-0.485 χ^2/NDF:219558.5/4

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

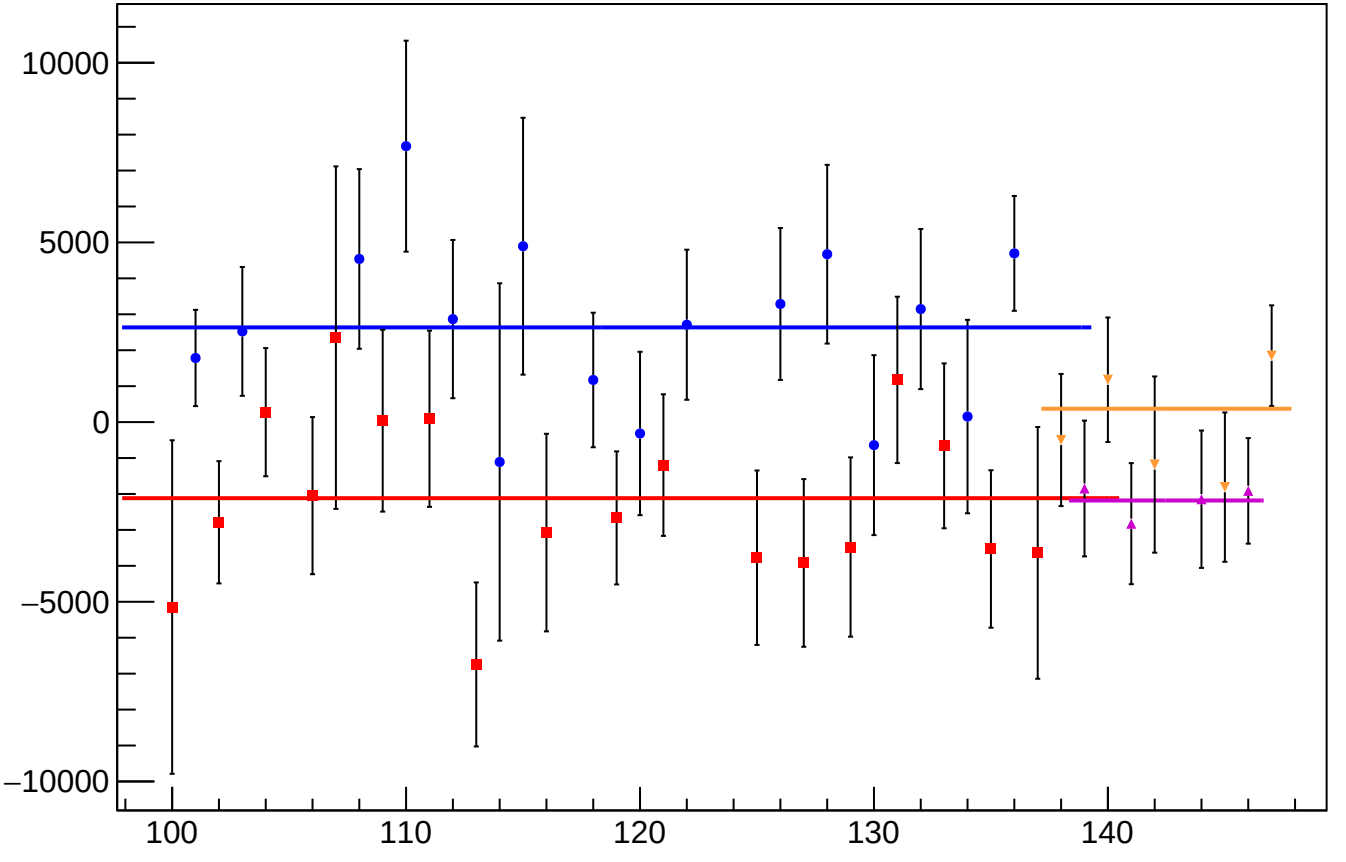
Left In: 1384.460+/-0.528 χ^2/NDF:115577.6/3

+ sign 1214.975+/-0.266 χ^2/NDF: 828726.5/20

All: 1244.773+/-0.192 χ^2/NDF: 1424881.7/42

- sign 1277.488+/-0.279 χ^2/NDF: 569809.8/21

asym_us_avg_mean vs Slug



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

Left Out: 371.866+/-806.786 χ^2/NDF:3.1/4

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

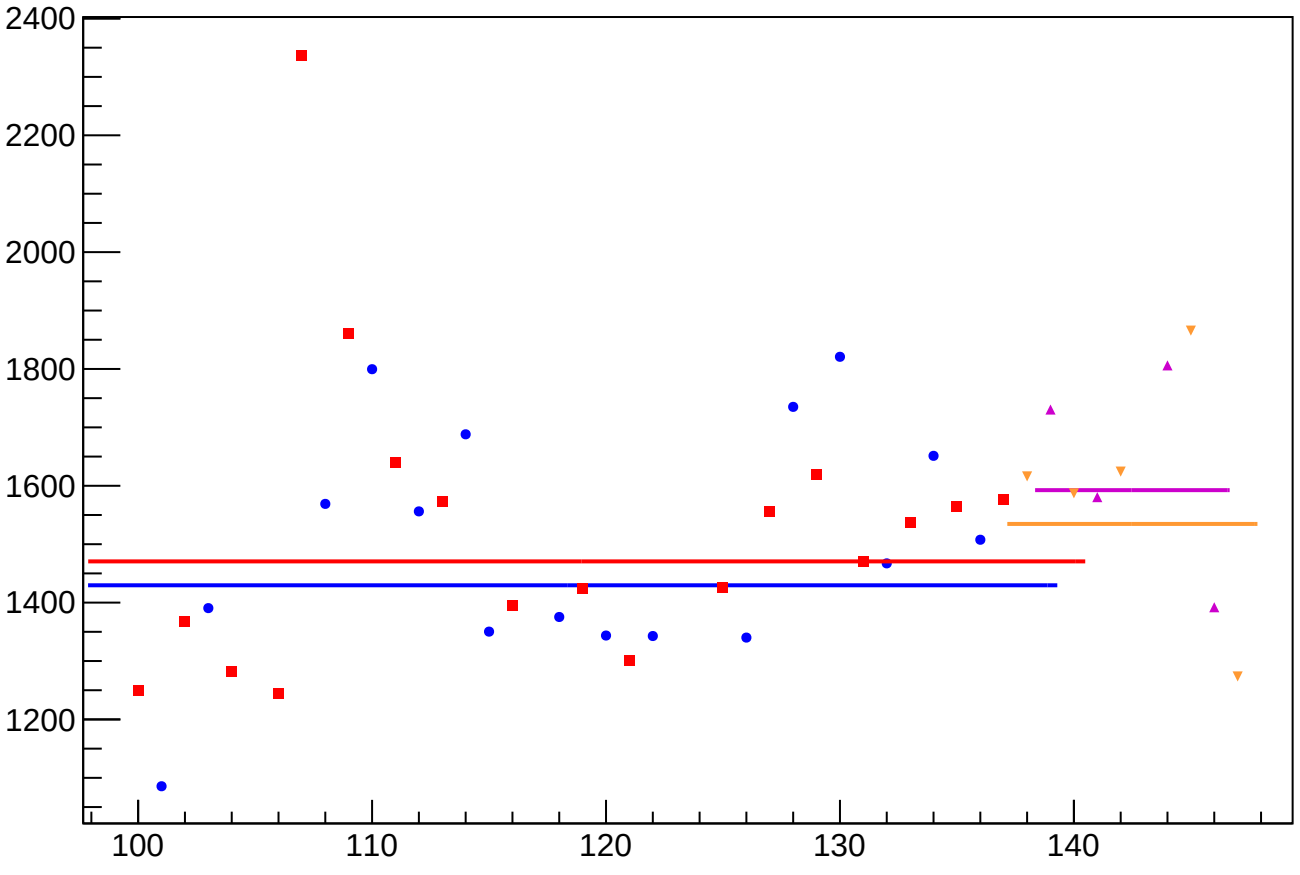
Left In: -2181.628+/-854.462 χ^2/NDF:0.2/3

+ sign 1938.609+/-447.626 χ^2/NDF: 20.8/20

All: -38.807+/-321.135 χ^2/NDF: 74.9/42

- sign -2135.925+/-460.976 χ^2/NDF: 13.9/21

asym_us_avg_rms vs Slug



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

Left Out: 1534.684+/-0.570 χ^2/NDF:128648.1/4

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

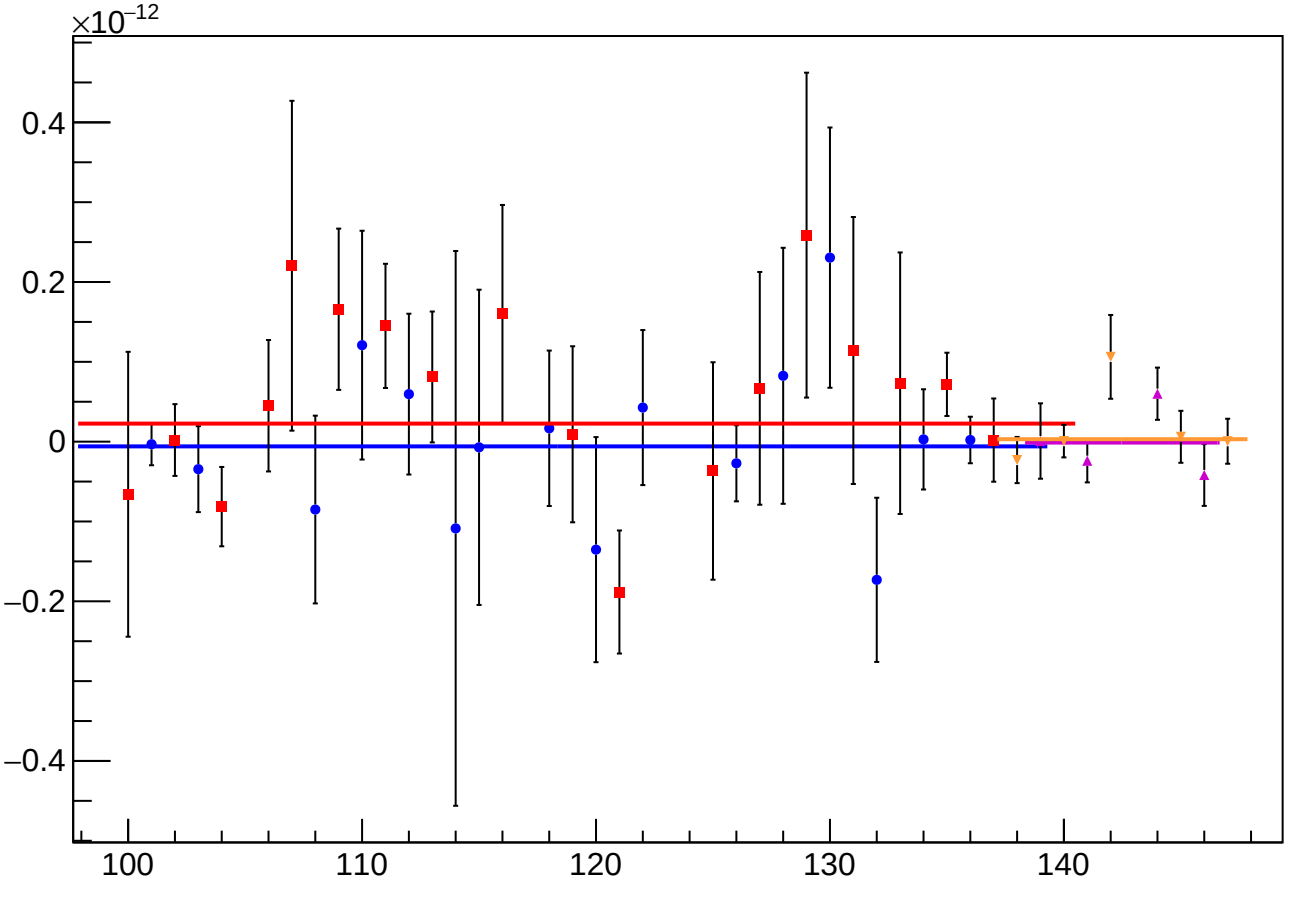
Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

+ sign 1461.985+/-0.317 χ^2/NDF: 445497.8/20

All: 1483.377+/-0.227 χ^2/NDF: 774858.9/42

- sign 1506.063+/-0.326 χ^2/NDF: 319949.7/21

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/4

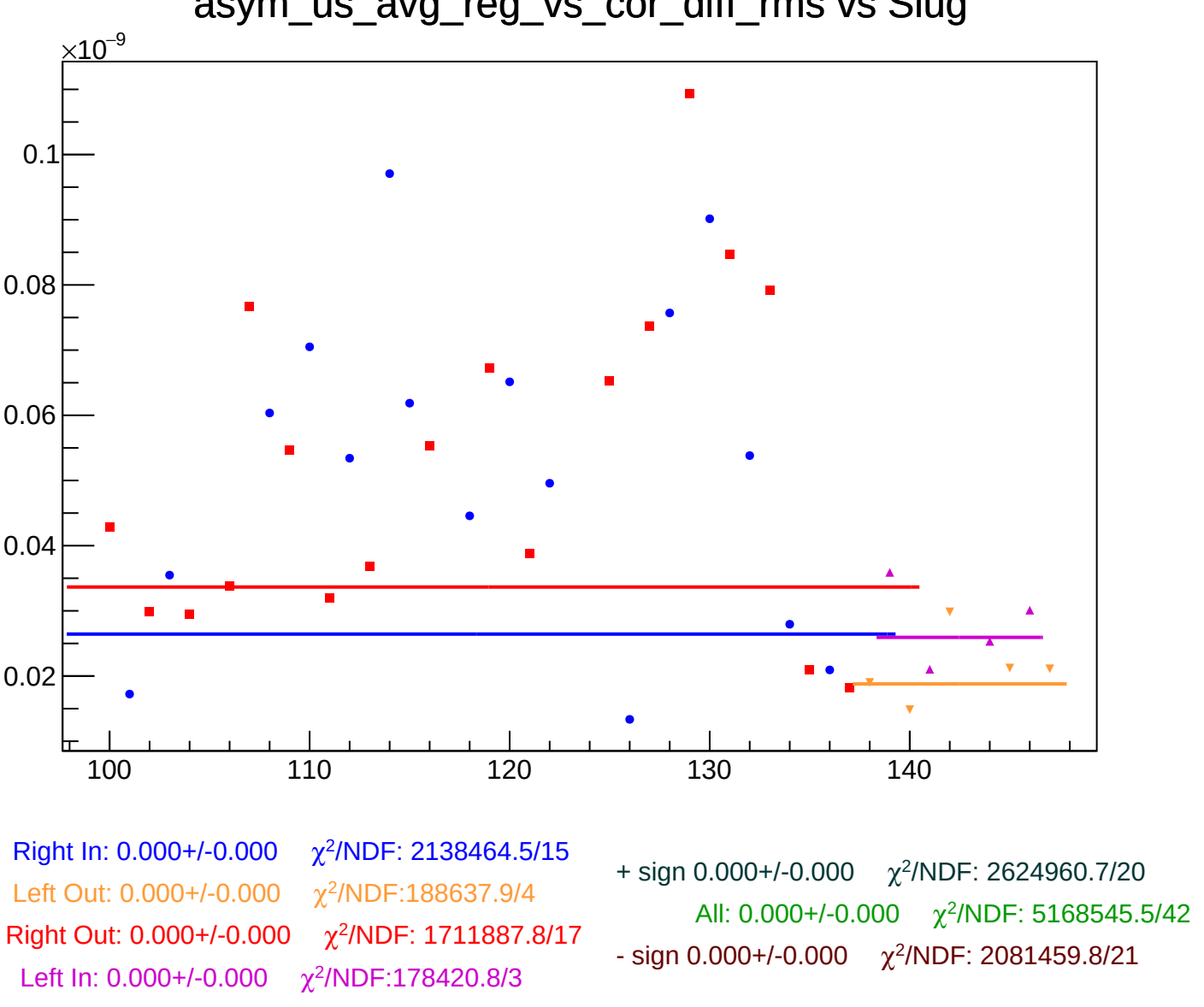
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

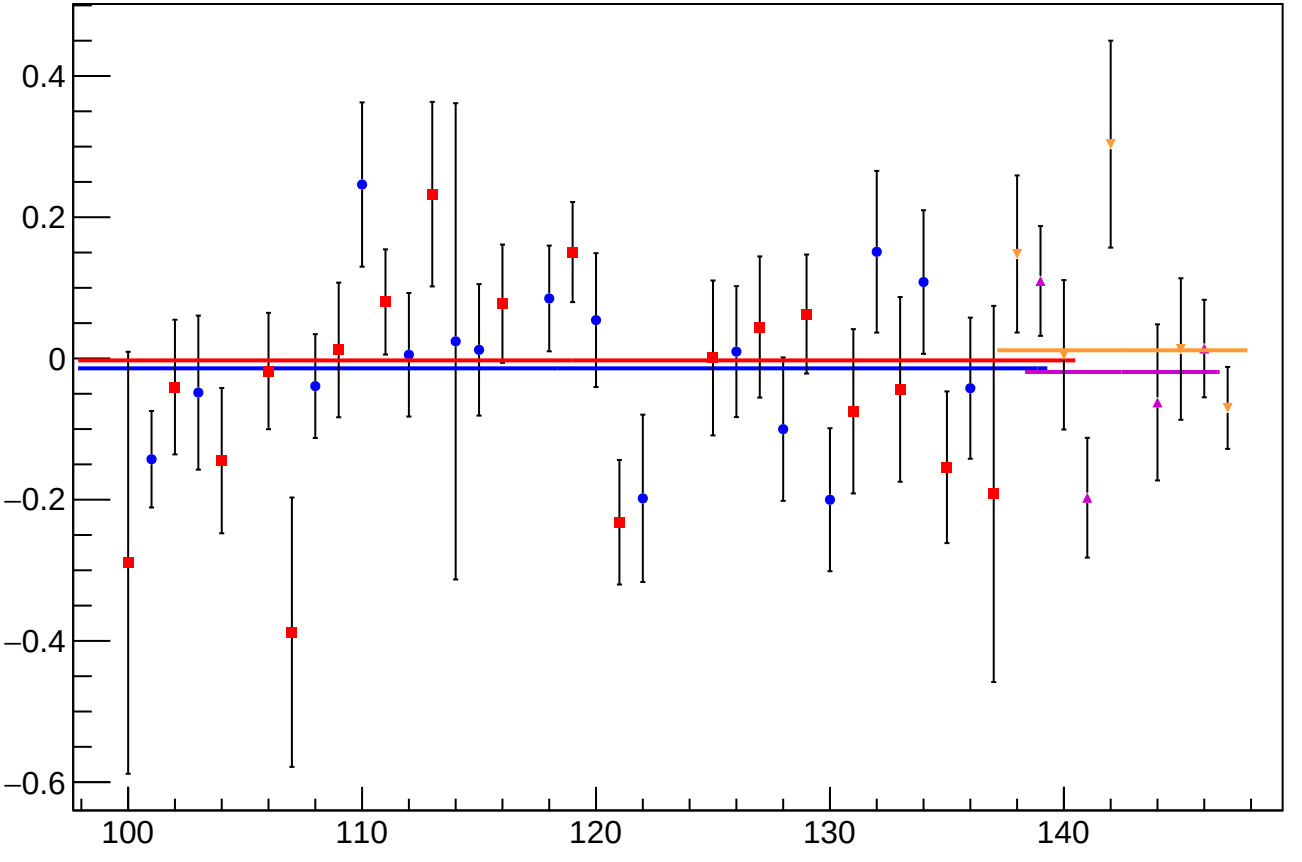
+ sign -0.000+/-0.000 χ^2/NDF: 13.4/20

All: 0.000+/-0.000 χ^2/NDF: 43.2/42

- sign 0.000+/-0.000 χ^2/NDF: 29.3/21


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
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:188637.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:178420.8/3
+ sign 0.000+/-0.000 χ²/NDF: 2624960.7/20
All: 0.000+/-0.000 χ²/NDF: 5168545.5/42
- sign 0.000+/-0.000 χ²/NDF: 2081459.8/21

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

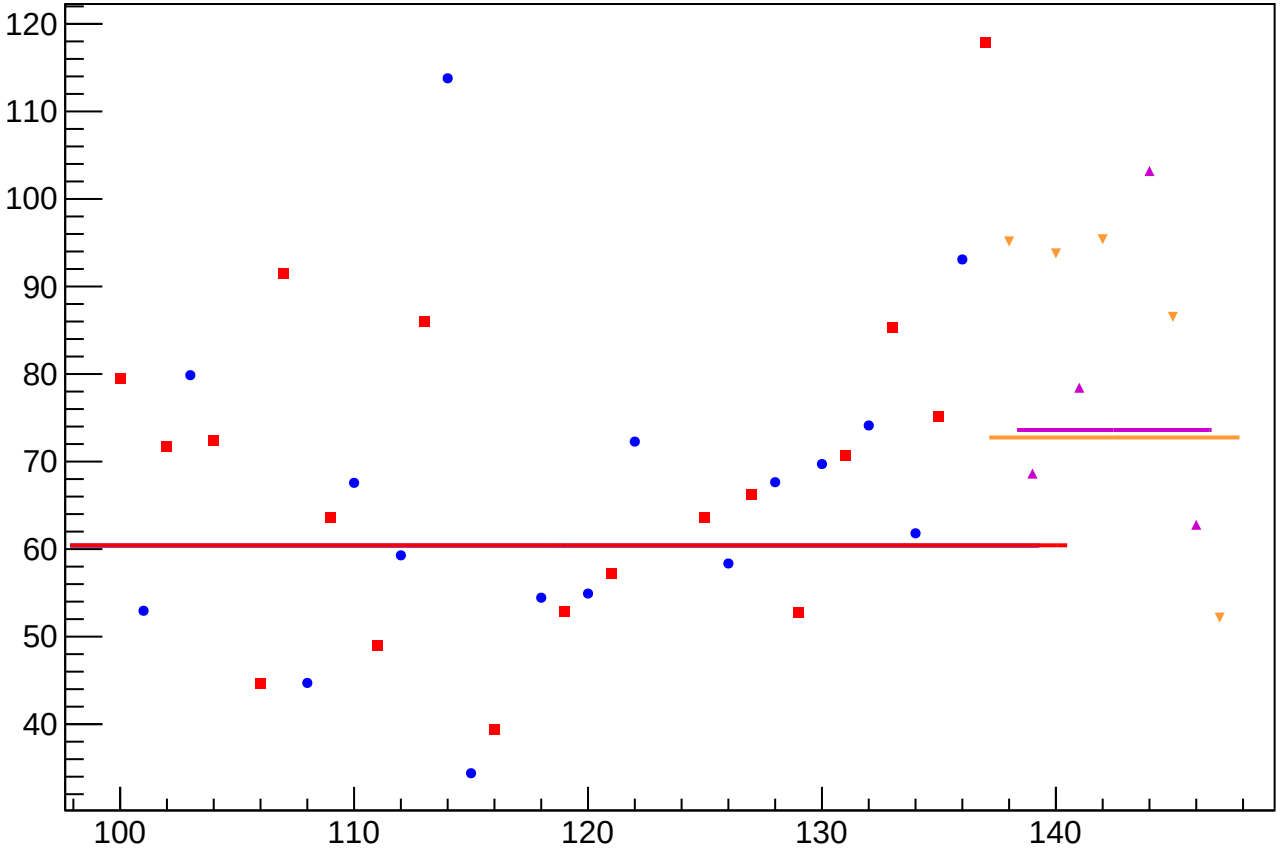
Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign -0.007+/-0.021 χ^2/NDF: 29.1/20

All: -0.007+/-0.015 χ^2/NDF: 64.5/42

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

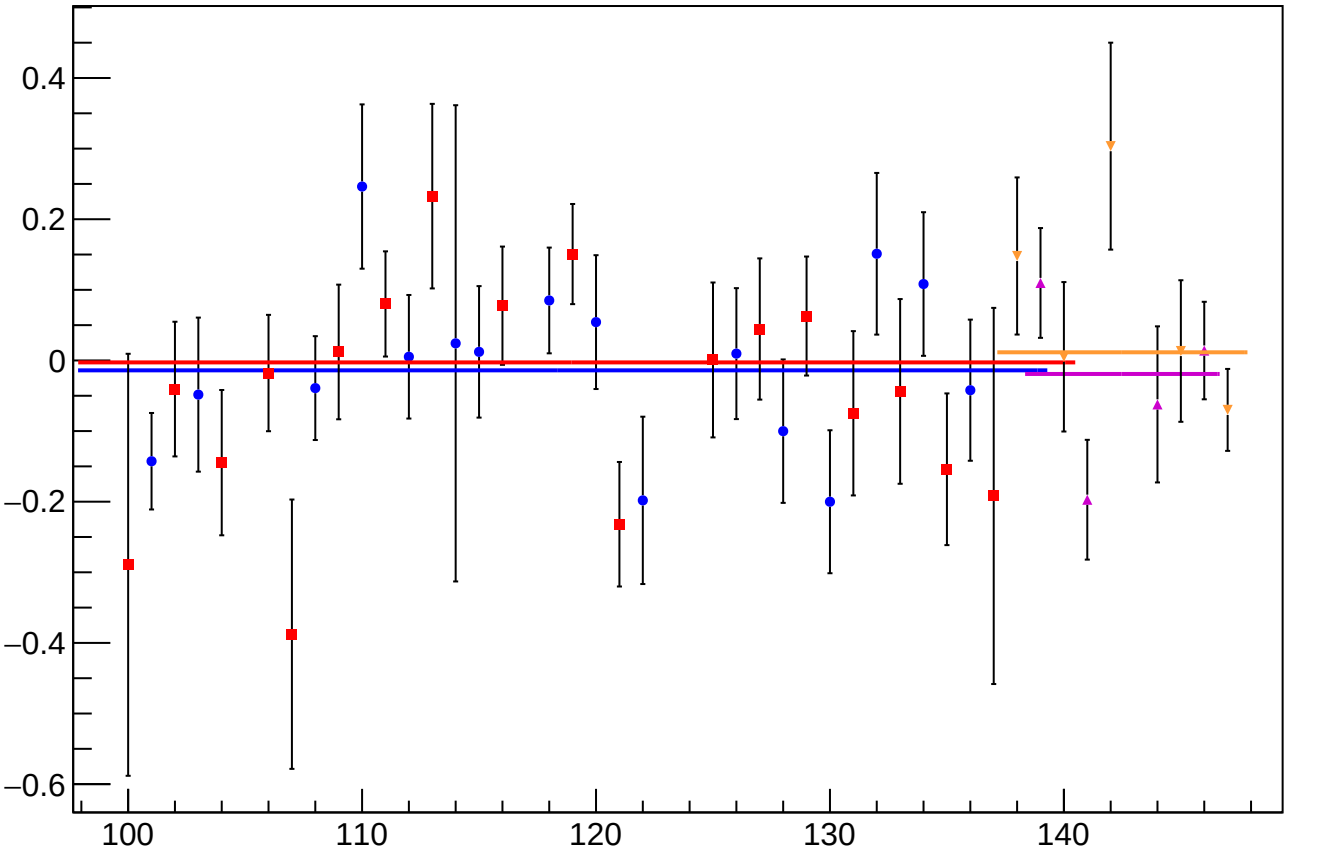
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

+ sign 63.596+/-0.015 χ^2/NDF: 1338958.3/20

All: 63.677+/-0.010 χ^2/NDF: 2411943.3/42

- sign 63.758+/-0.015 χ^2/NDF: 1072922.9/21



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

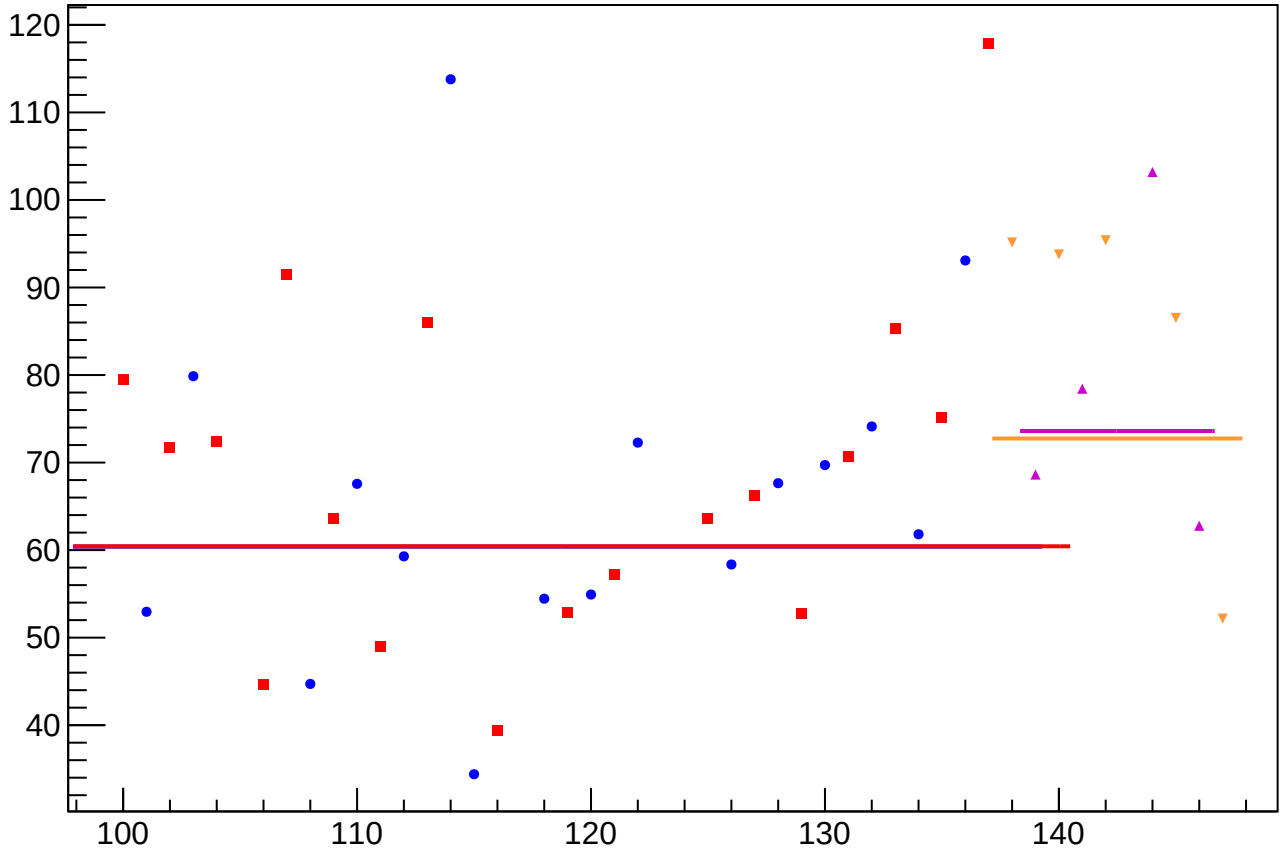
Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign -0.007+/-0.021 χ^2/NDF: 29.1/20

All: -0.007+/-0.015 χ^2/NDF: 64.5/42

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

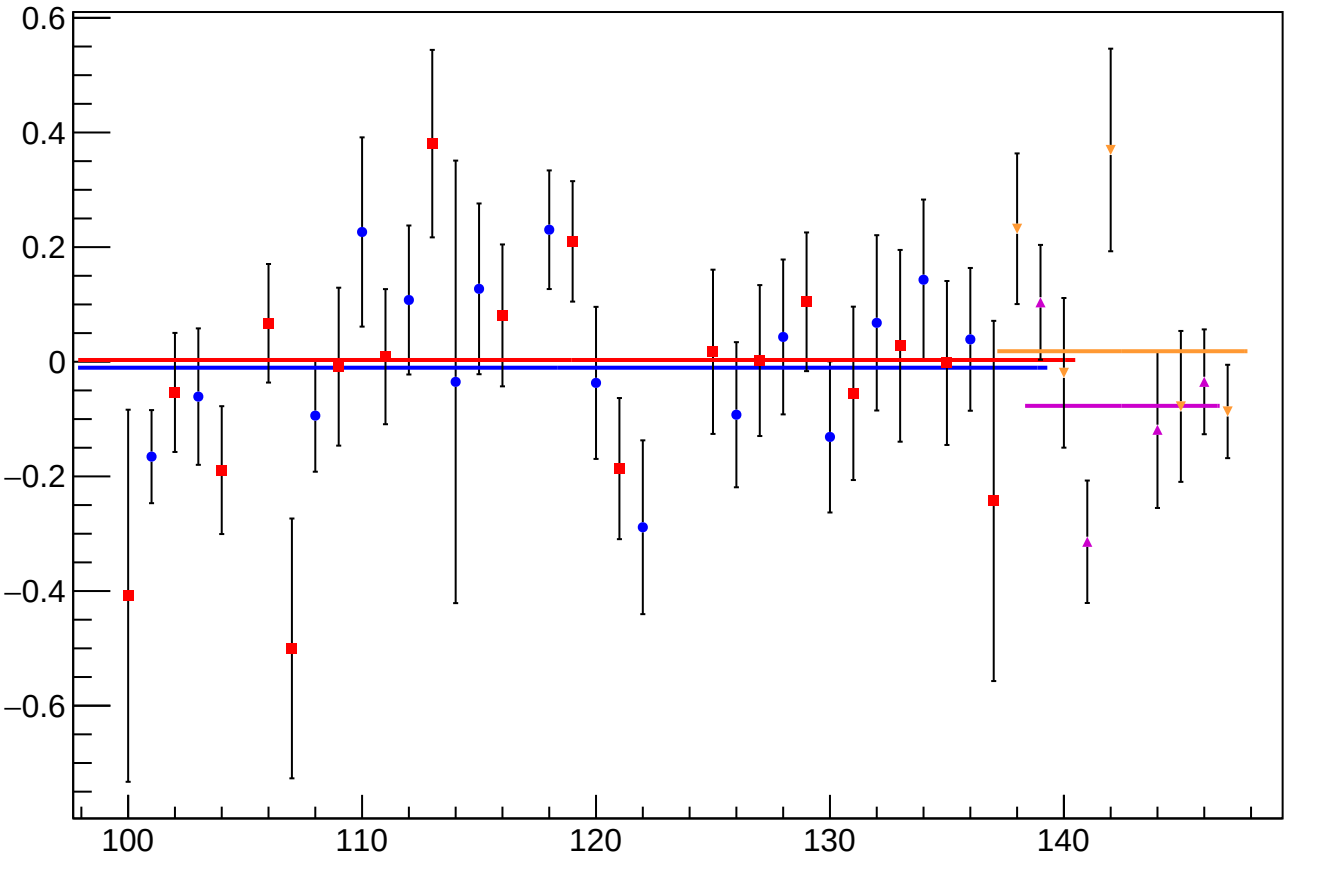
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

+ sign 63.596+/-0.015 χ^2/NDF: 1338958.3/20

All: 63.677+/-0.010 χ^2/NDF: 2411943.3/42

- sign 63.758+/-0.015 χ^2/NDF: 1072922.9/21



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

Left Out: 0.018+/-0.053 χ^2/NDF:8.9/4

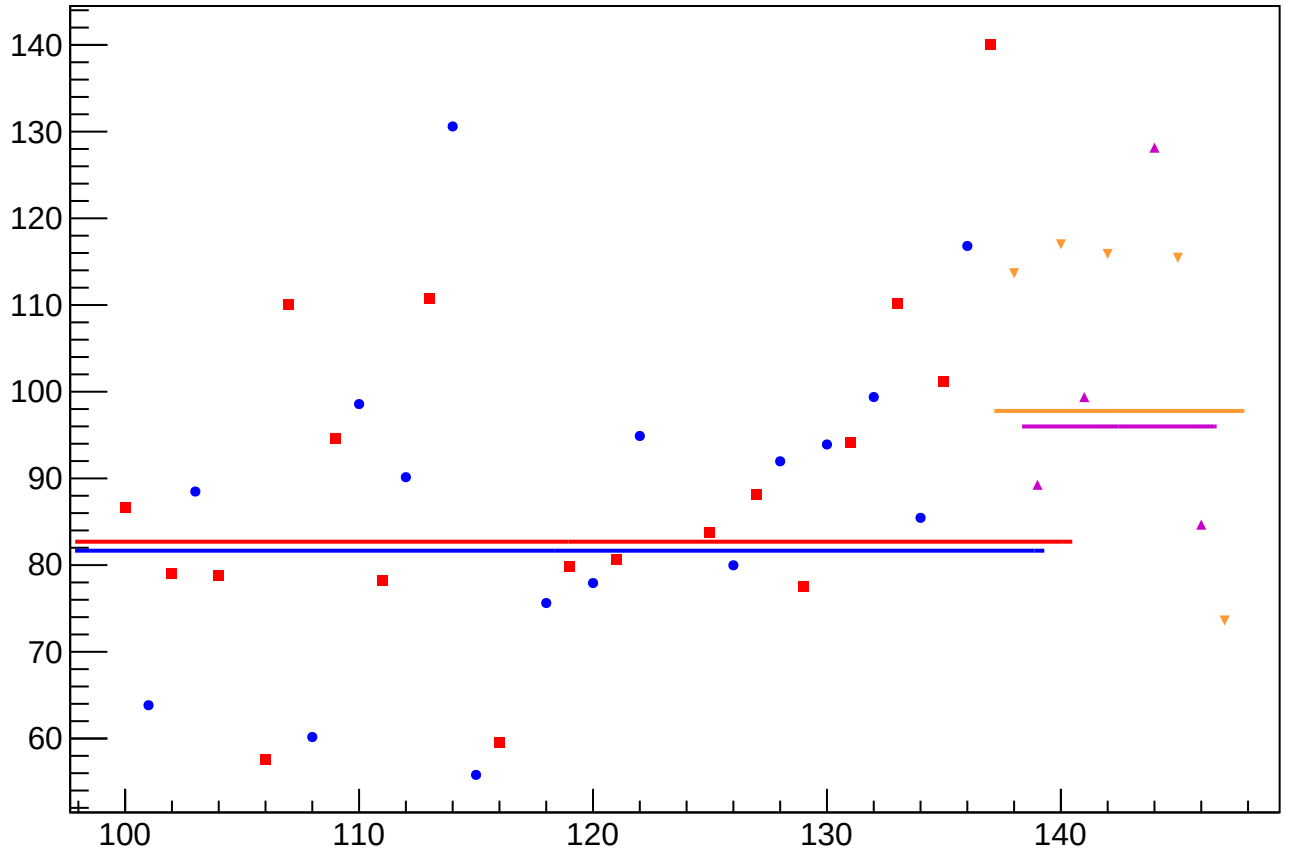
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.077+/-0.053 χ^2/NDF:8.5/3

+ sign -0.003+/-0.027 χ^2/NDF: 29.3/20

All: -0.010+/-0.019 χ^2/NDF: 63.3/42

- sign -0.018+/-0.027 χ^2/NDF: 33.8/21



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

Left Out: 97.784+/-0.037 χ^2/NDF:305766.3/4

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

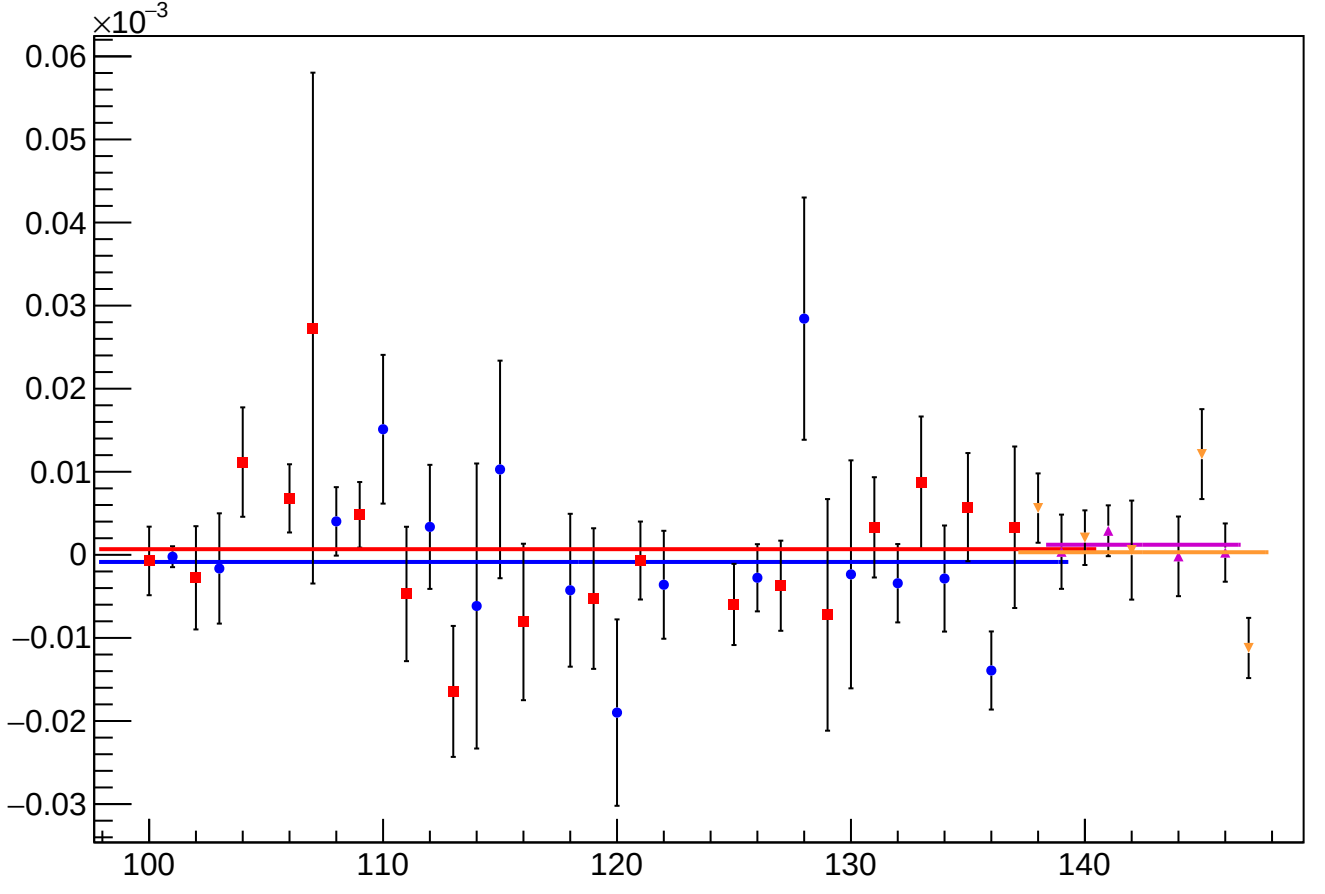
Left In: 95.992+/-0.037 χ^2/NDF:152751.2/3

+ sign 85.902+/-0.019 χ^2/NDF: 1004408.9/20

All: 86.072+/-0.014 χ^2/NDF: 1723826.8/42

- sign 86.243+/-0.019 χ^2/NDF: 719260.3/21

asym_us_avg_eigen_dit_vs_dit_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:16.8/4

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

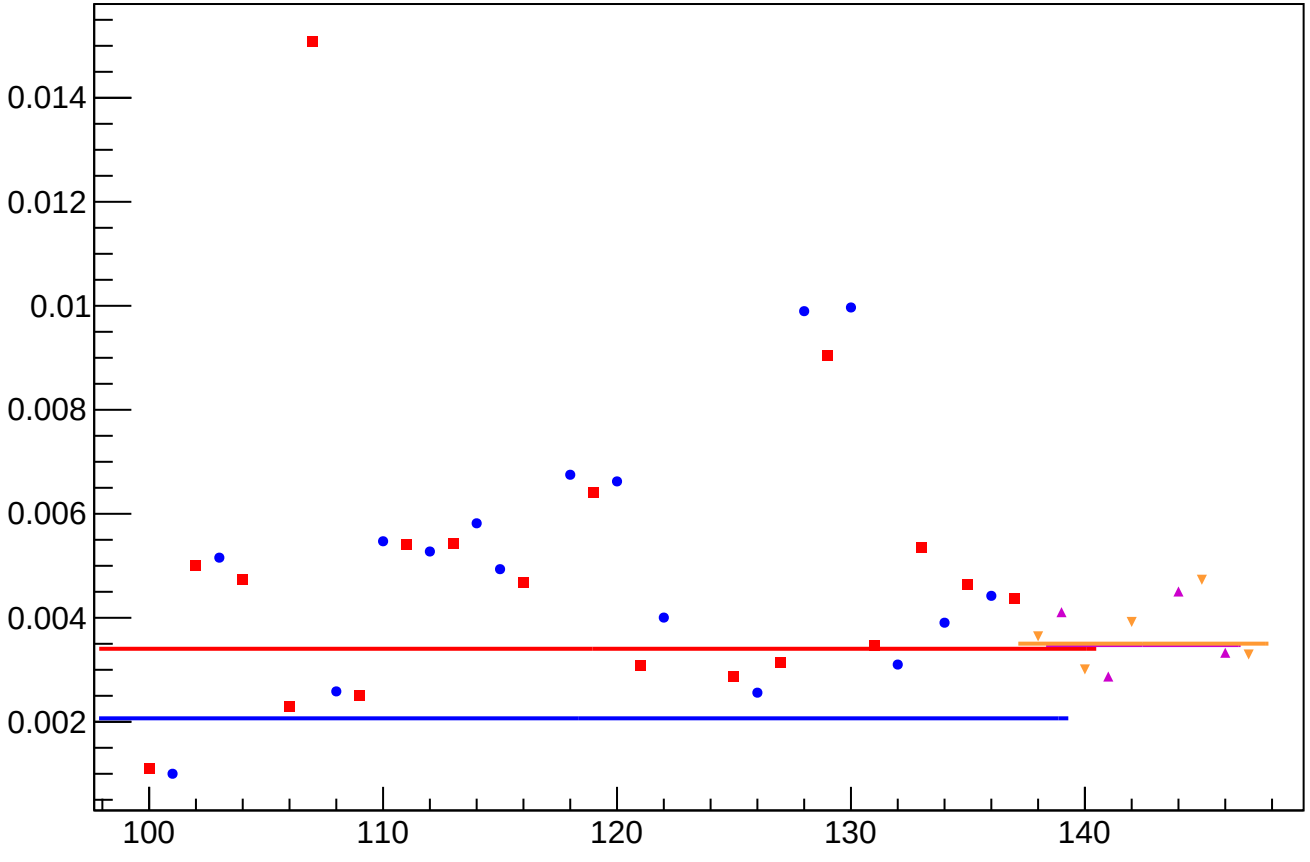
Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/20

All: -0.000+/-0.000 χ^2/NDF: 58.3/42

- sign 0.000+/-0.000 χ^2/NDF: 18.9/21

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:167195.0/4

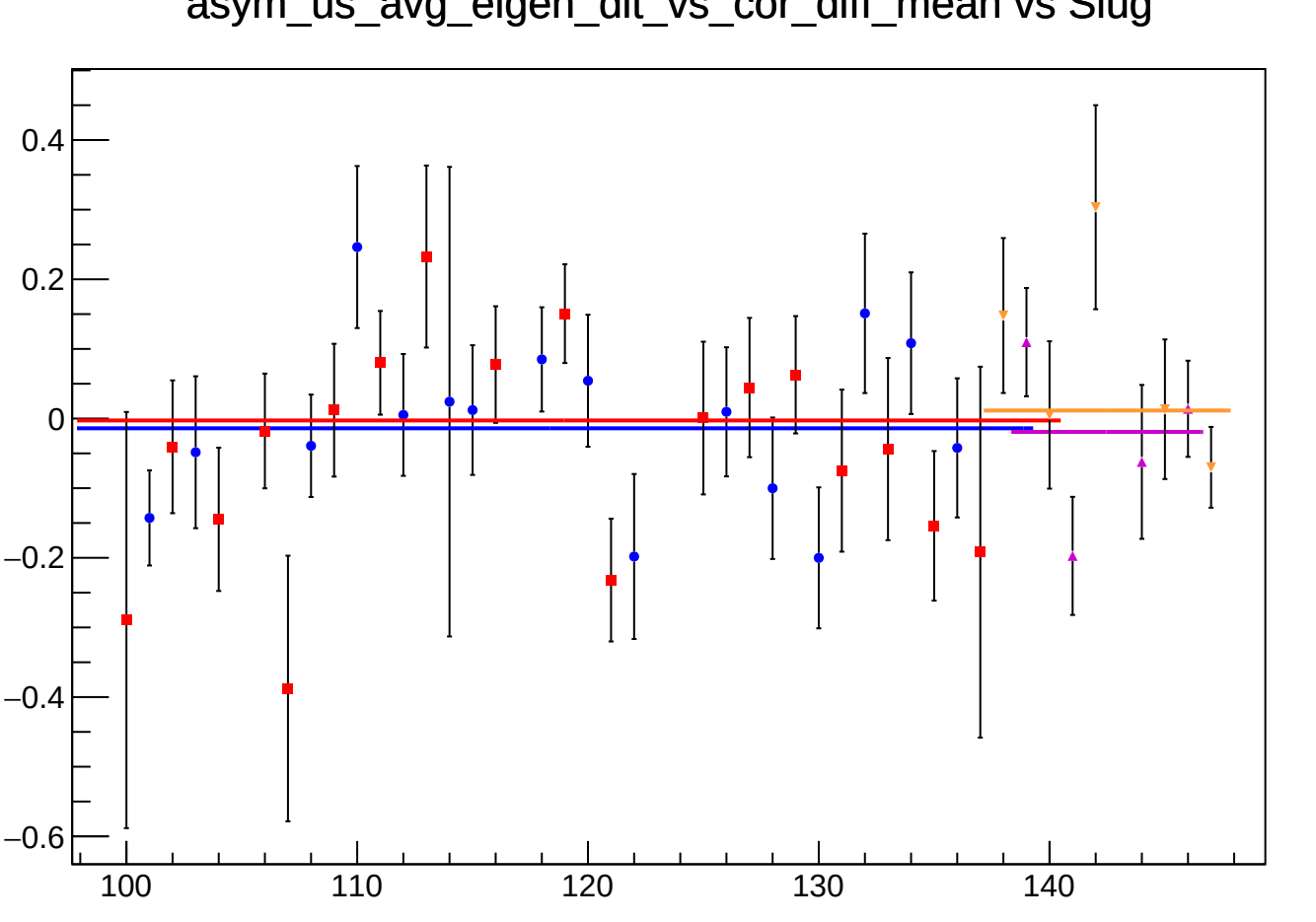
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:214167.4/3

+ sign 0.002+/-0.000 χ^2/NDF: 6900274.5/20

All: 0.003+/-0.000 χ^2/NDF: 10644222.4/42

- sign 0.003+/-0.000 χ^2/NDF: 2707280.4/21



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

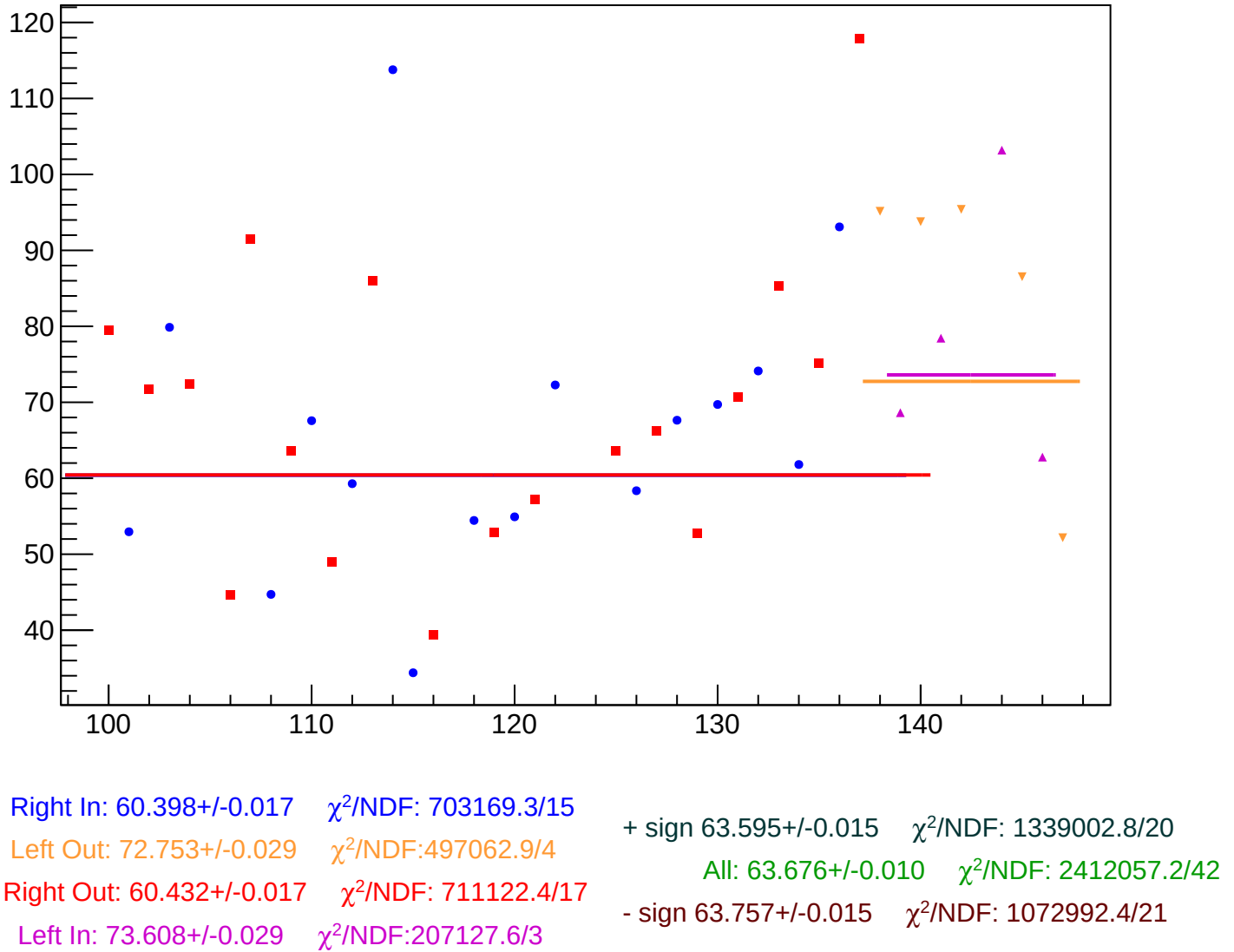
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

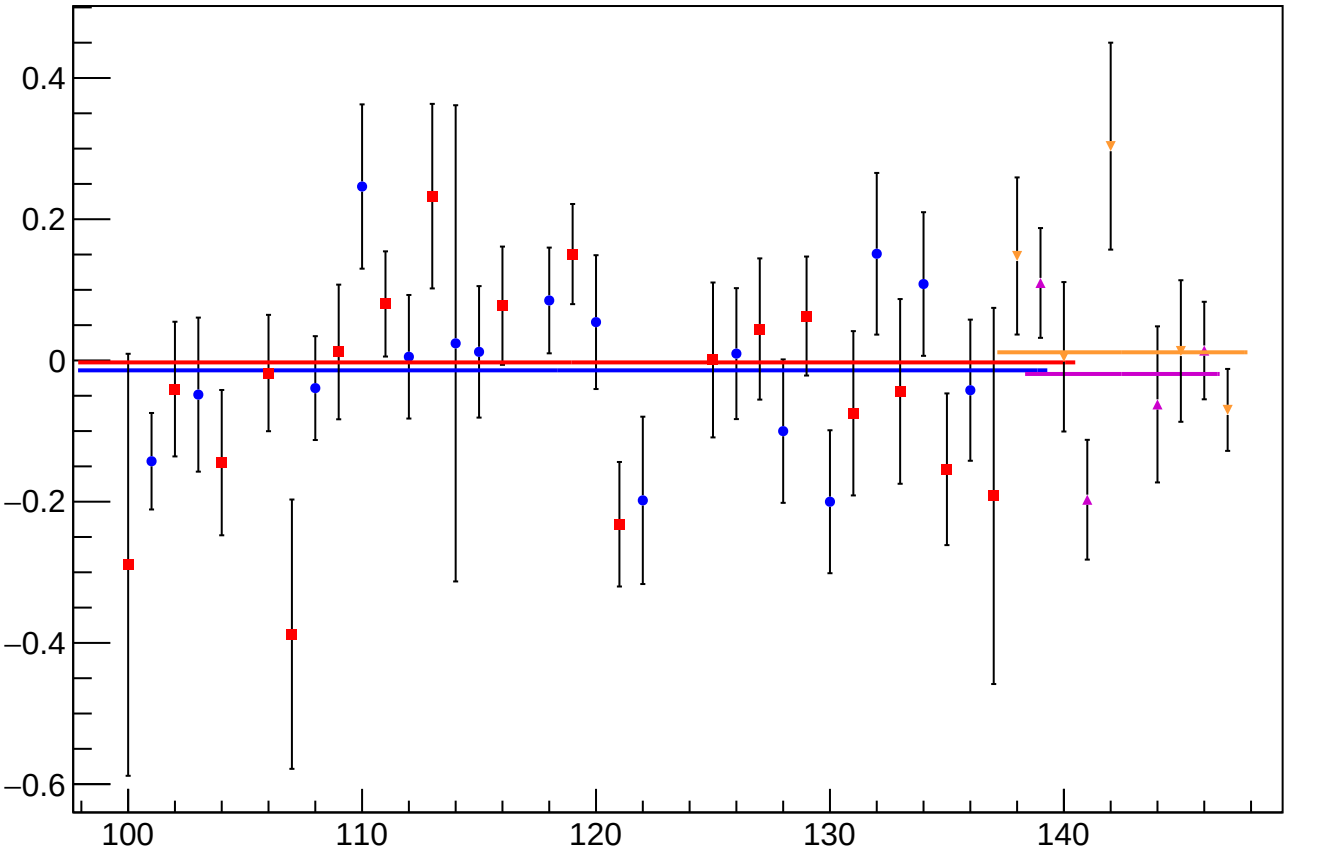
Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

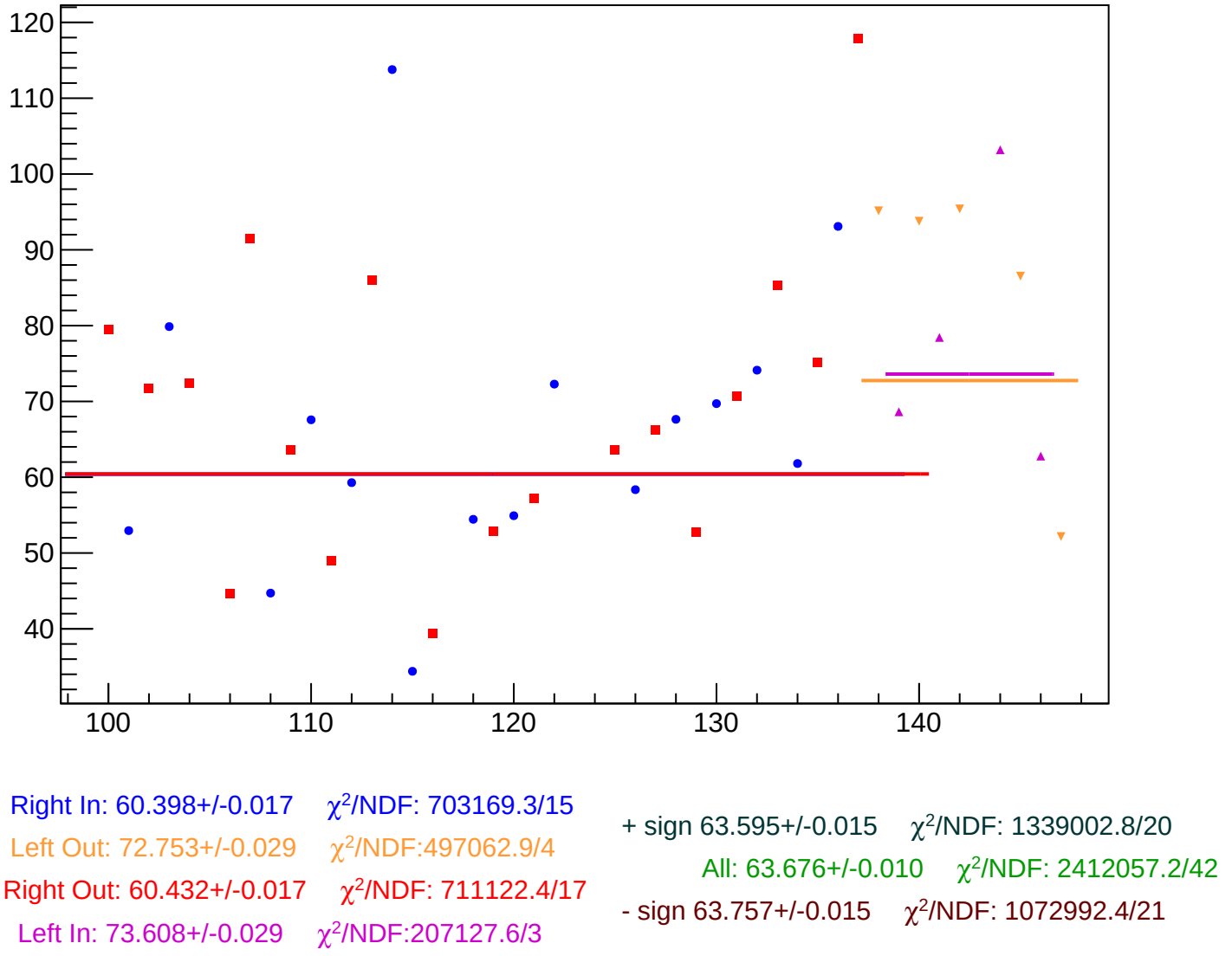
+ sign -0.007+/-0.021 χ^2/NDF: 29.1/20

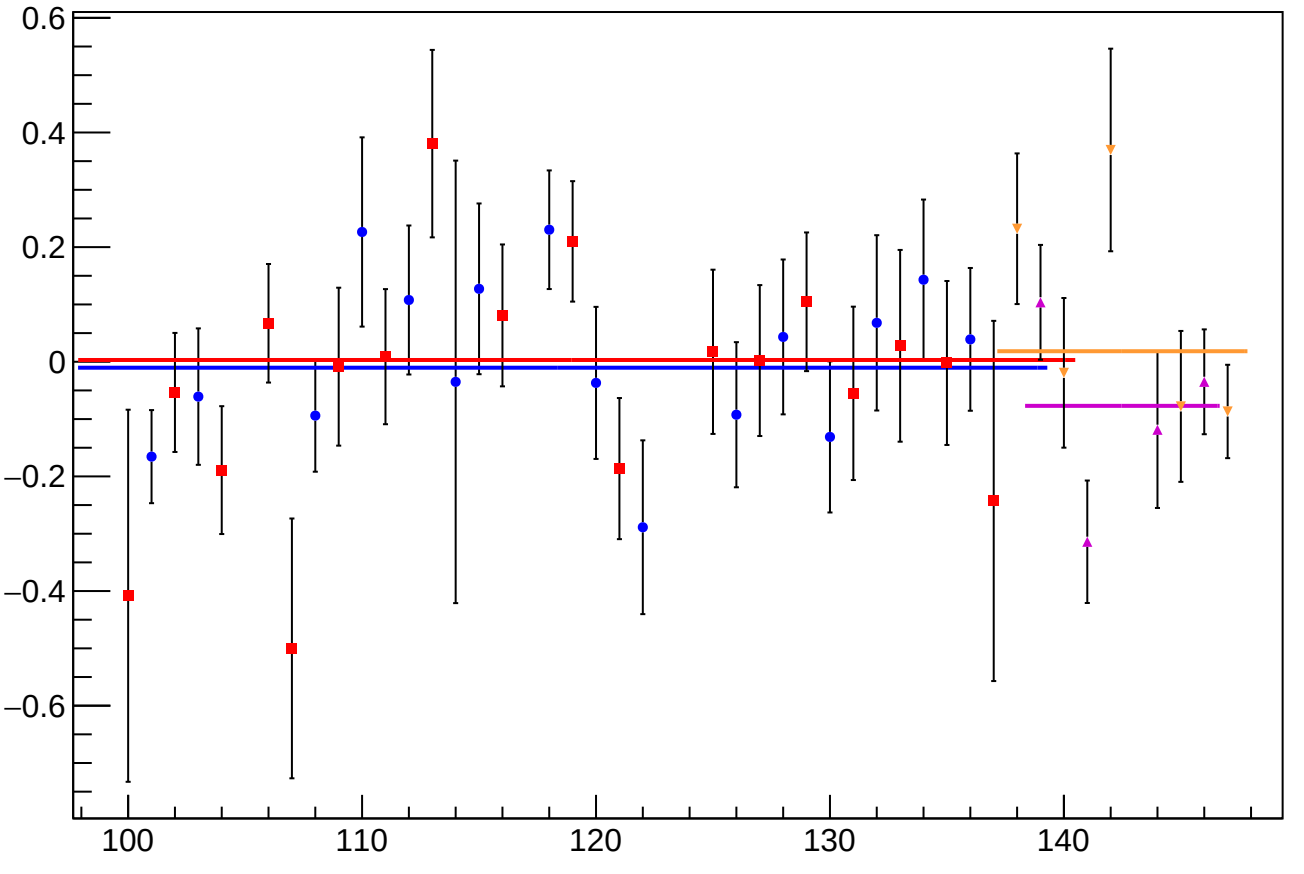
All: -0.007+/-0.015 χ^2/NDF: 64.5/42

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21


asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
100
110
120
130
140
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 72.753+/-0.029 χ²/NDF:497062.9/4
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 73.608+/-0.029 χ²/NDF:207127.6/3
+ sign 63.595+/-0.015 χ²/NDF: 1339002.8/20
All: 63.676+/-0.010 χ²/NDF: 2412057.2/42
- sign 63.757+/-0.015 χ²/NDF: 1072992.4/21


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: 0.012+/-0.040 χ²/NDF:7.5/4
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.019+/-0.041 χ²/NDF:7.5/3
+ sign -0.007+/-0.021 χ²/NDF: 29.1/20
All: -0.007+/-0.015 χ²/NDF: 64.5/42
- sign -0.007+/-0.021 χ²/NDF: 35.4/21


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
100
110
120
130
140
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 72.753+/-0.029 χ²/NDF:497062.9/4
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 73.608+/-0.029 χ²/NDF:207127.6/3
+ sign 63.595+/-0.015 χ²/NDF: 1339002.8/20
All: 63.676+/-0.010 χ²/NDF: 2412057.2/42
- sign 63.757+/-0.015 χ²/NDF: 1072992.4/21



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

Left Out: 0.018+/-0.053 χ^2/NDF:8.9/4

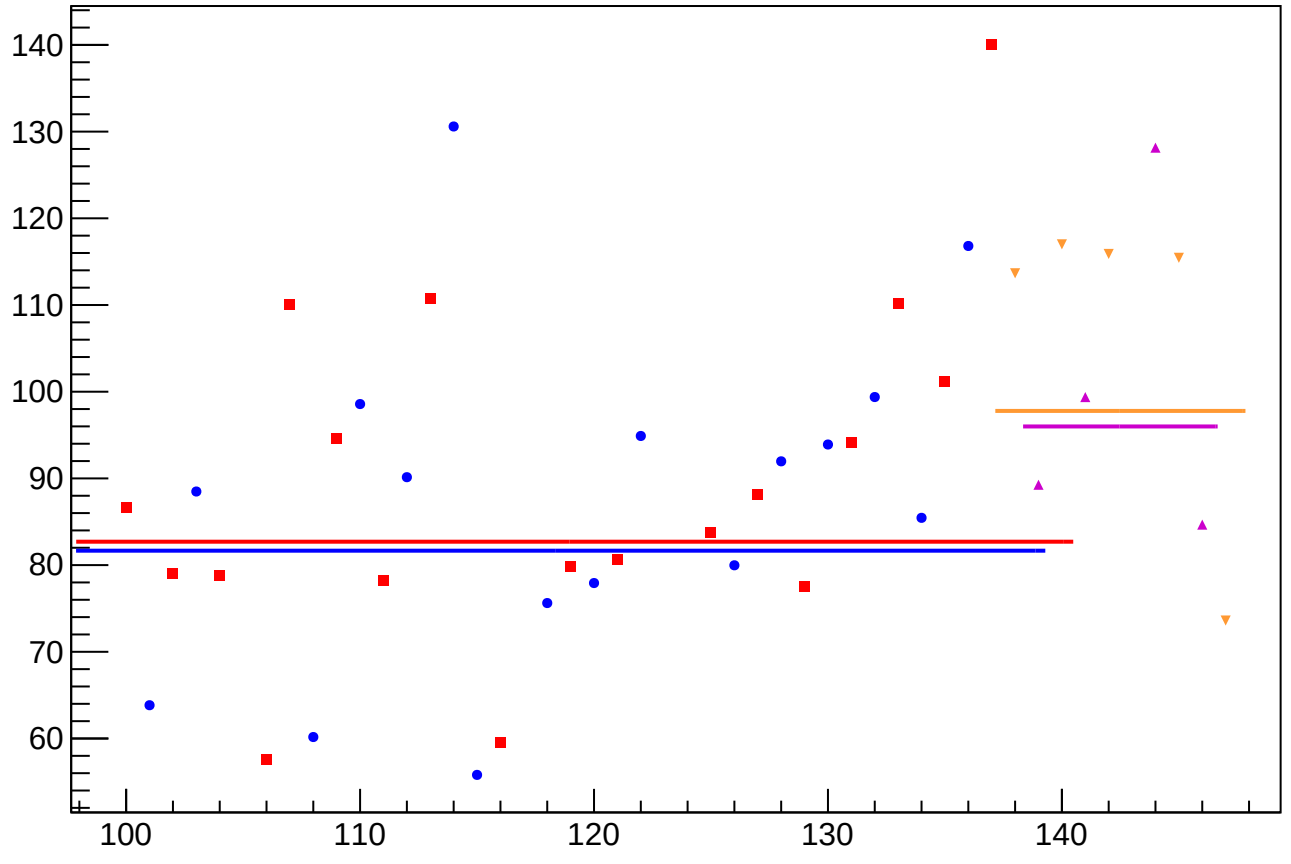
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.077+/-0.053 χ^2/NDF:8.5/3

+ sign -0.003+/-0.027 χ^2/NDF: 29.3/20

All: -0.010+/-0.019 χ^2/NDF: 63.3/42

- sign -0.018+/-0.027 χ^2/NDF: 33.8/21



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

Left Out: 97.784+/-0.037 χ^2/NDF:305763.0/4

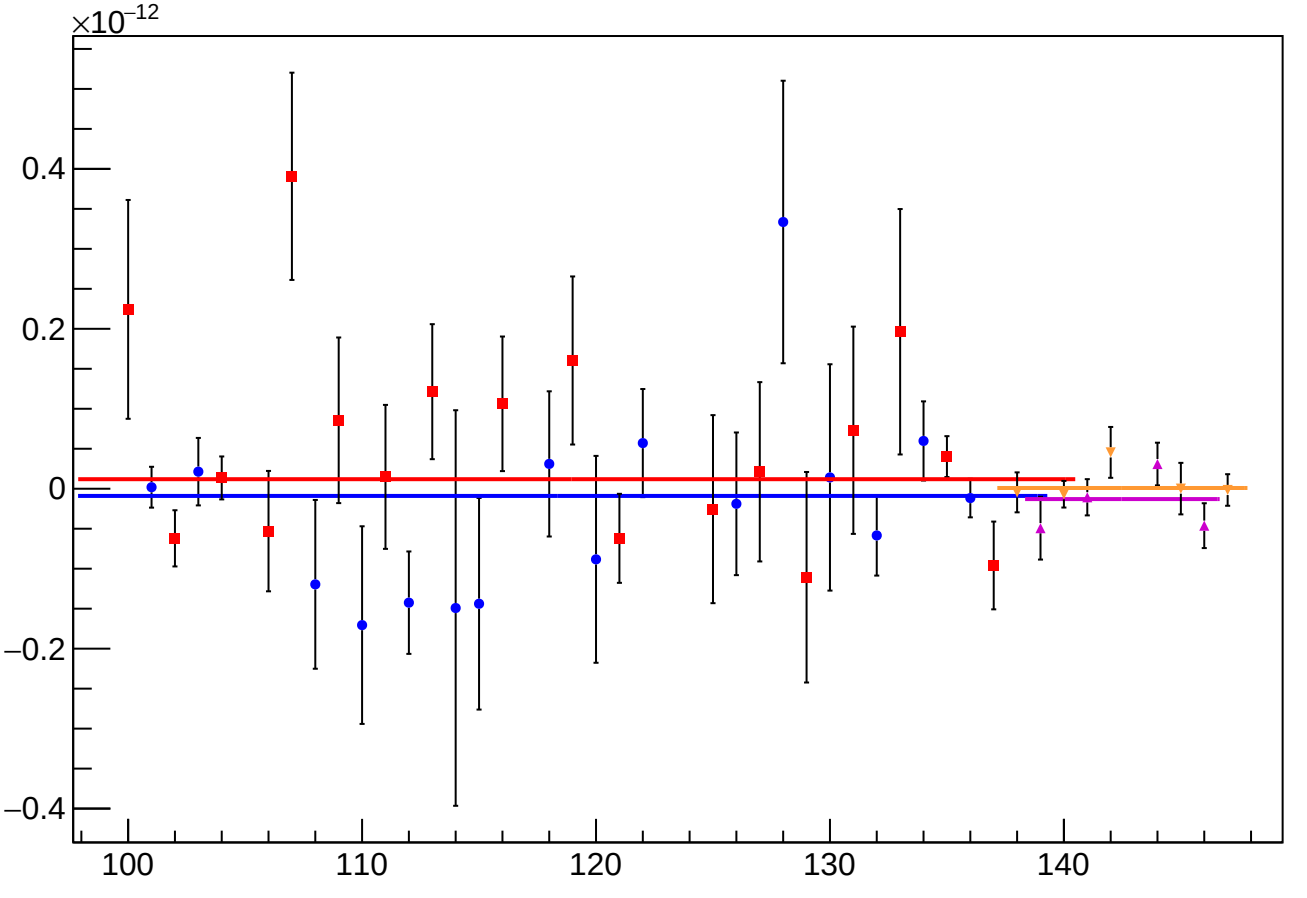
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 95.992+/-0.037 χ^2/NDF:152746.3/3

+ sign 85.901+/-0.019 χ^2/NDF: 1004410.9/20

All: 86.071+/-0.014 χ^2/NDF: 1723840.8/42

- sign 86.242+/-0.019 χ^2/NDF: 719272.4/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

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

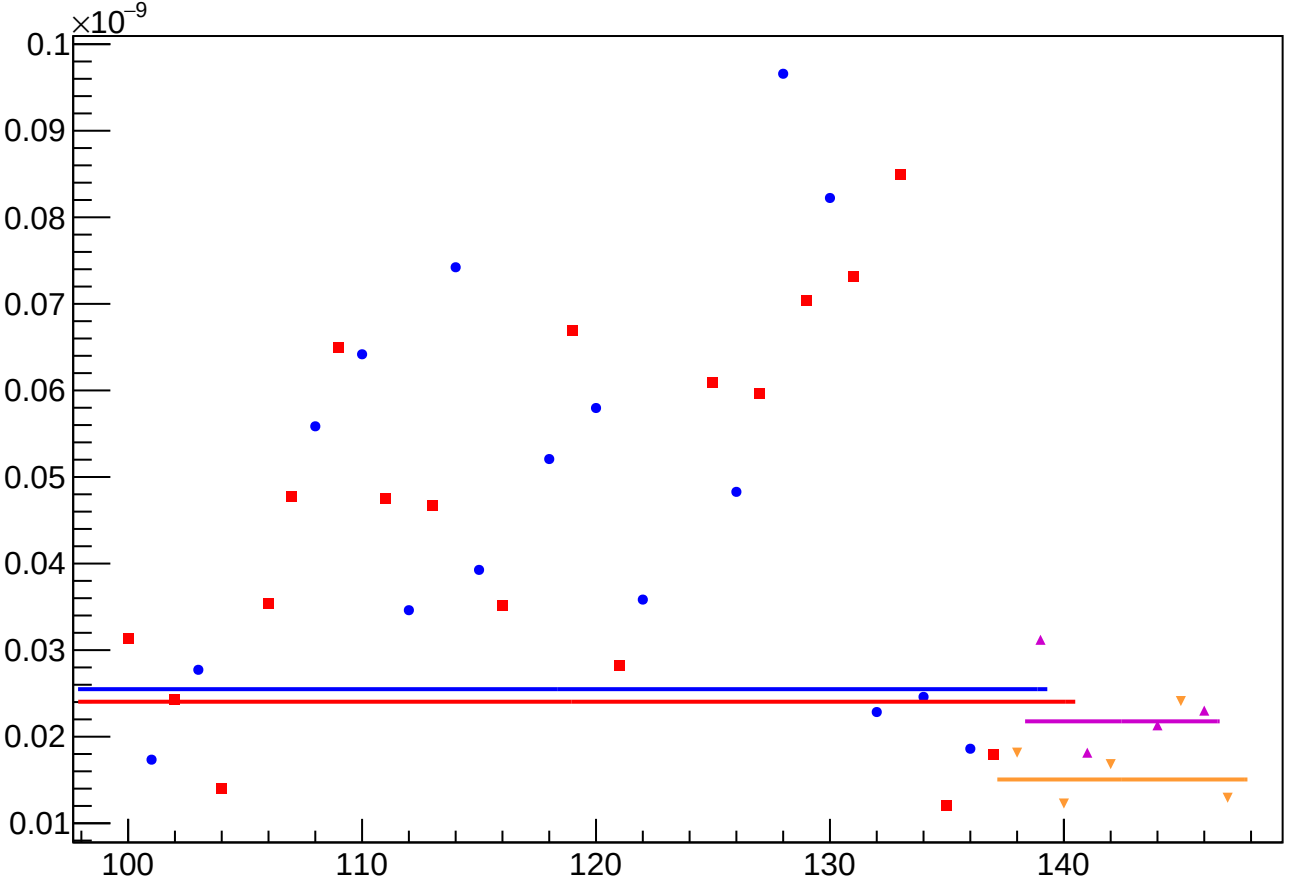
Left In: -0.000+/-0.000 χ^2/NDF:5.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/20

All: -0.000+/-0.000 χ^2/NDF: 57.8/42

- sign -0.000+/-0.000 χ^2/NDF: 37.7/21

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:273697.3/4

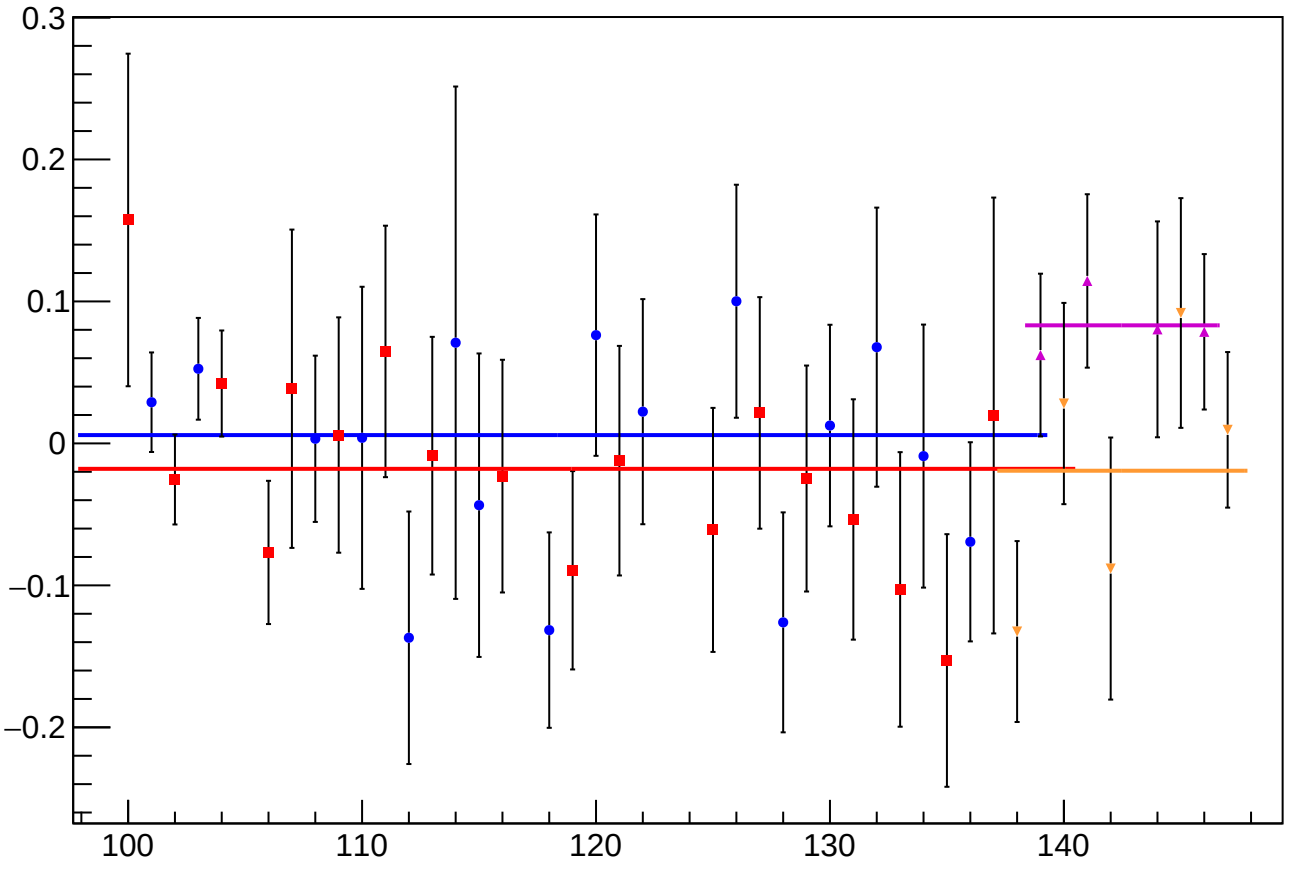
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:170731.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3056062.8/20

All: 0.000+/-0.000 χ^2/NDF: 6545812.2/42

- sign 0.000+/-0.000 χ^2/NDF: 3283162.7/21



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

Left Out: -0.019+/-0.031 χ^2/NDF:6.3/4

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

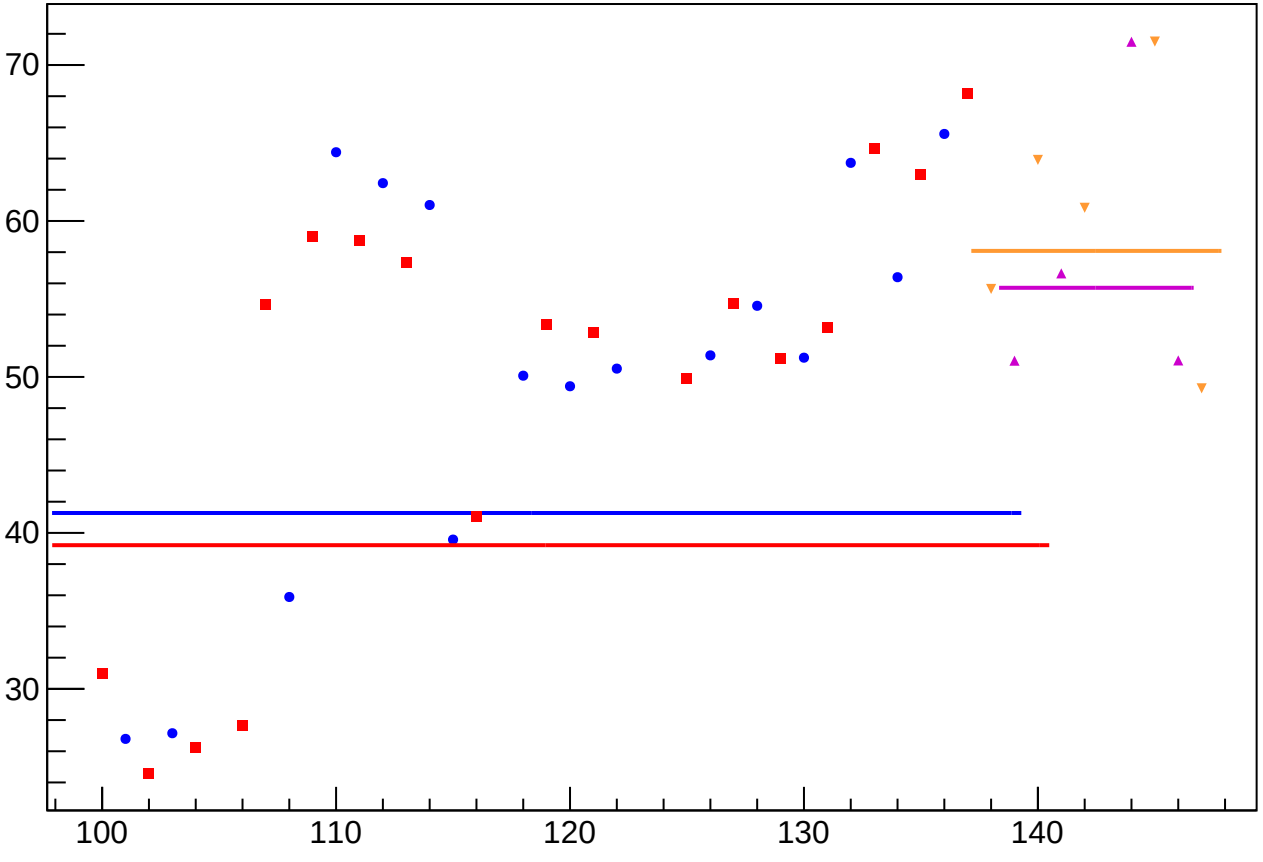
Left In: 0.083+/-0.030 χ^2/NDF:0.4/3

+ sign 0.000+/-0.015 χ^2/NDF: 22.4/20

All: 0.002+/-0.010 χ^2/NDF: 43.9/42

- sign 0.003+/-0.014 χ^2/NDF: 21.4/21

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: 58.082+/-0.022 χ^2/NDF:125061.6/4

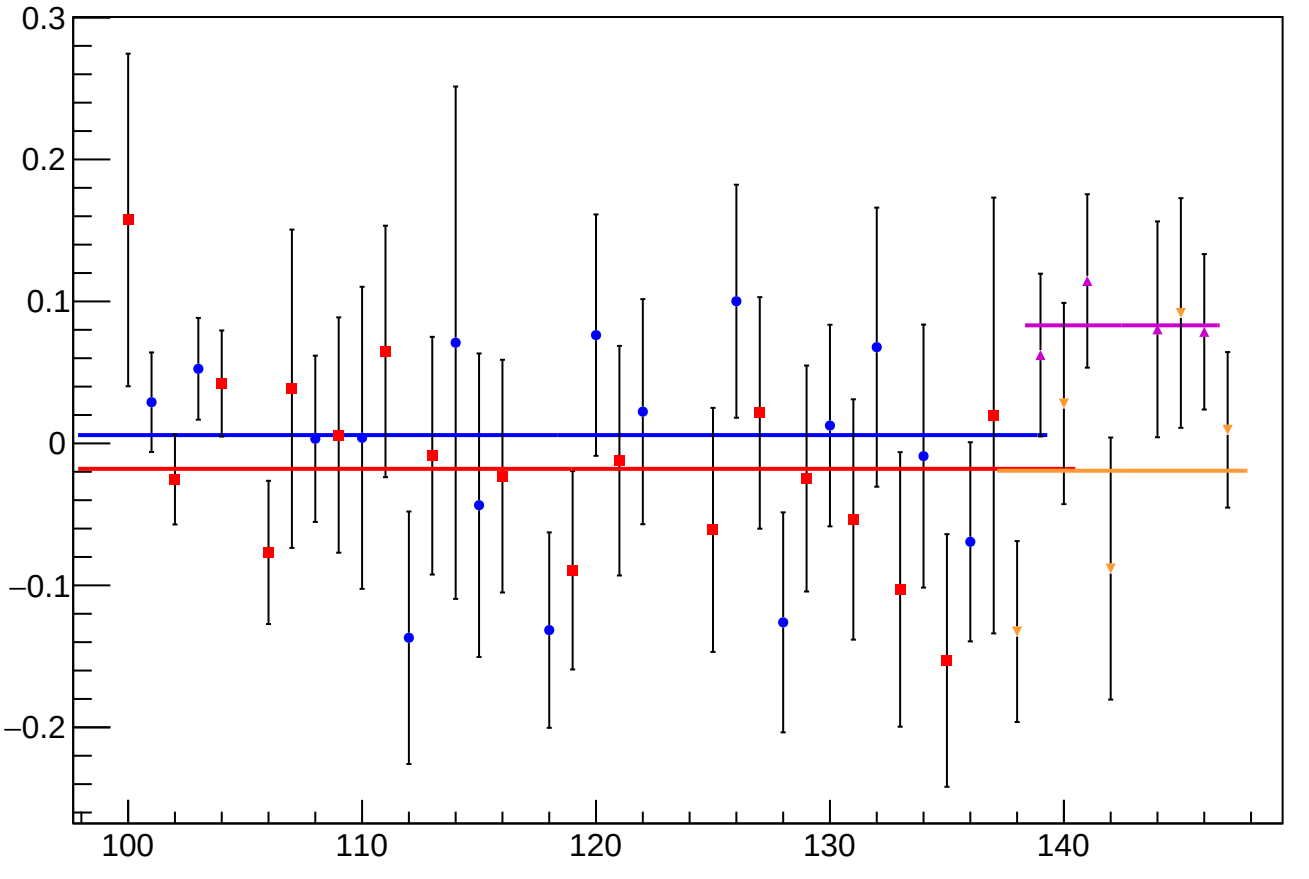
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

+ sign 45.018+/-0.010 χ^2/NDF: 2090736.1/20

All: 43.806+/-0.007 χ^2/NDF: 4515482.8/42

- sign 42.692+/-0.010 χ^2/NDF: 2398197.8/21



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

Left Out: -0.019+/-0.031 χ^2/NDF:6.3/4

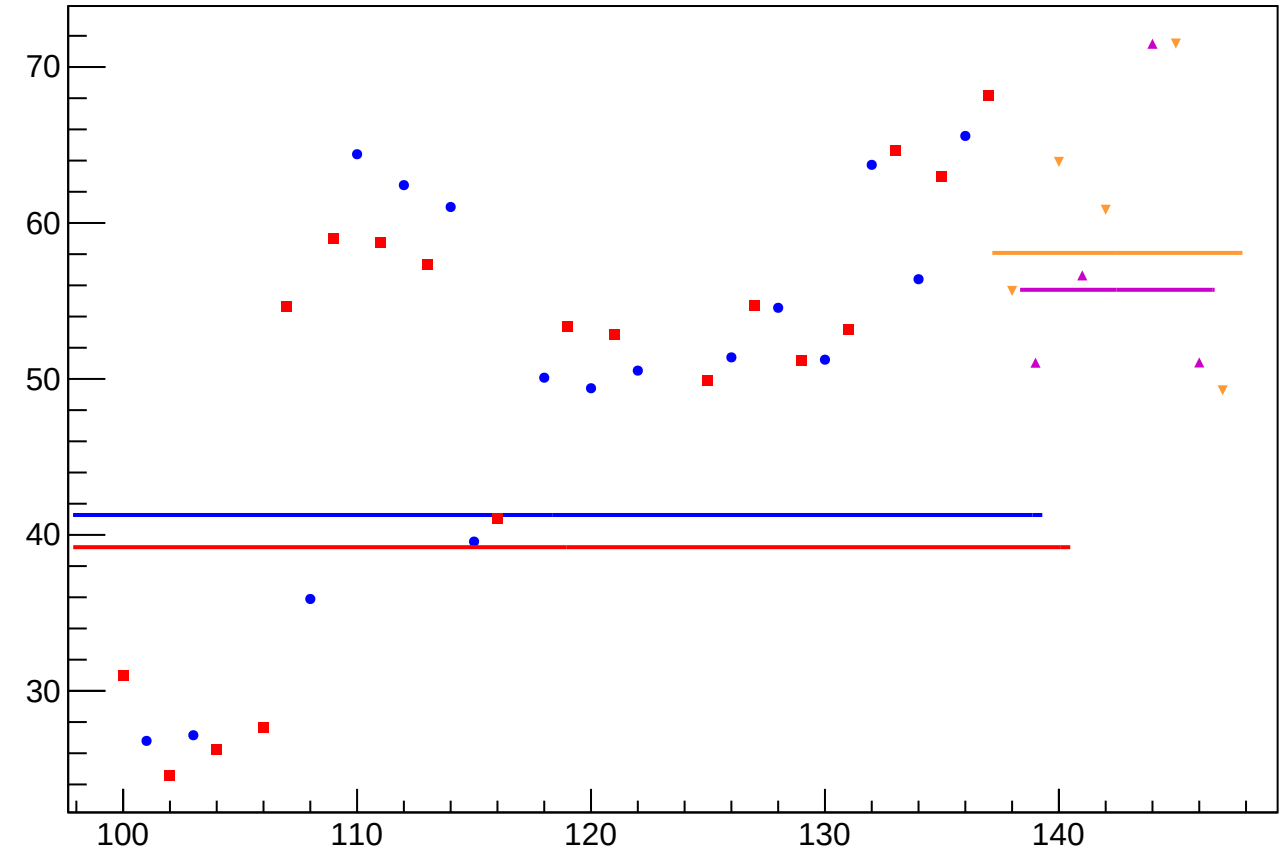
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.083+/-0.030 χ^2/NDF:0.4/3

+ sign 0.000+/-0.015 χ^2/NDF: 22.4/20

All: 0.002+/-0.010 χ^2/NDF: 43.9/42

- sign 0.003+/-0.014 χ^2/NDF: 21.4/21



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

Left Out: 58.082+/-0.022 χ^2/NDF:125061.6/4

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

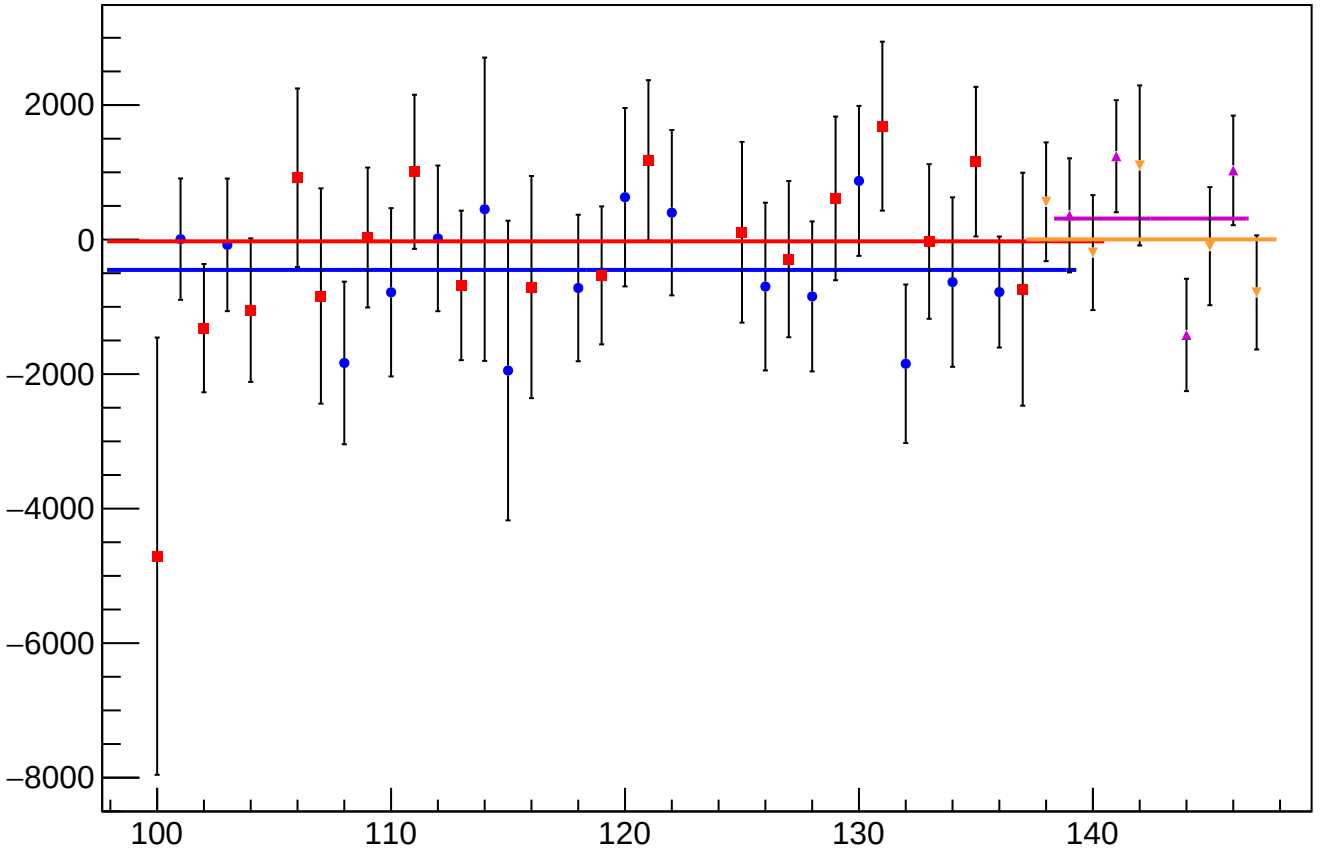
Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

+ sign 45.018+/-0.010 χ^2/NDF: 2090736.1/20

All: 43.806+/-0.007 χ^2/NDF: 4515482.8/42

- sign 42.692+/-0.010 χ^2/NDF: 2398197.8/21

reg_asym_us_dd_mean vs Slug



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

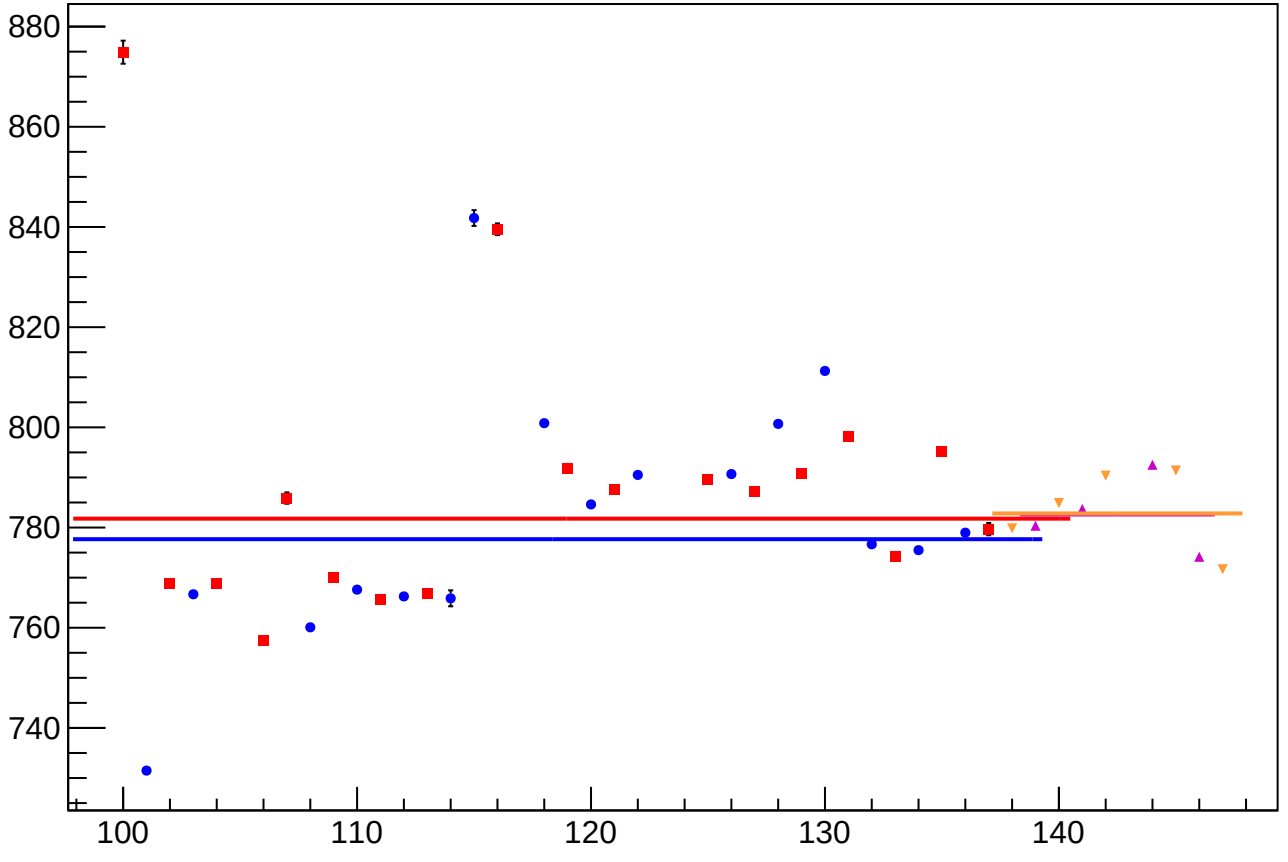
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

\+ sign -298.803+/-235.555 χ^2/NDF: 9.9/20

All: -108.709+/-167.033 χ^2/NDF: 29.7/42

\- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

reg_asym_us_dd_rms vs Slug



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

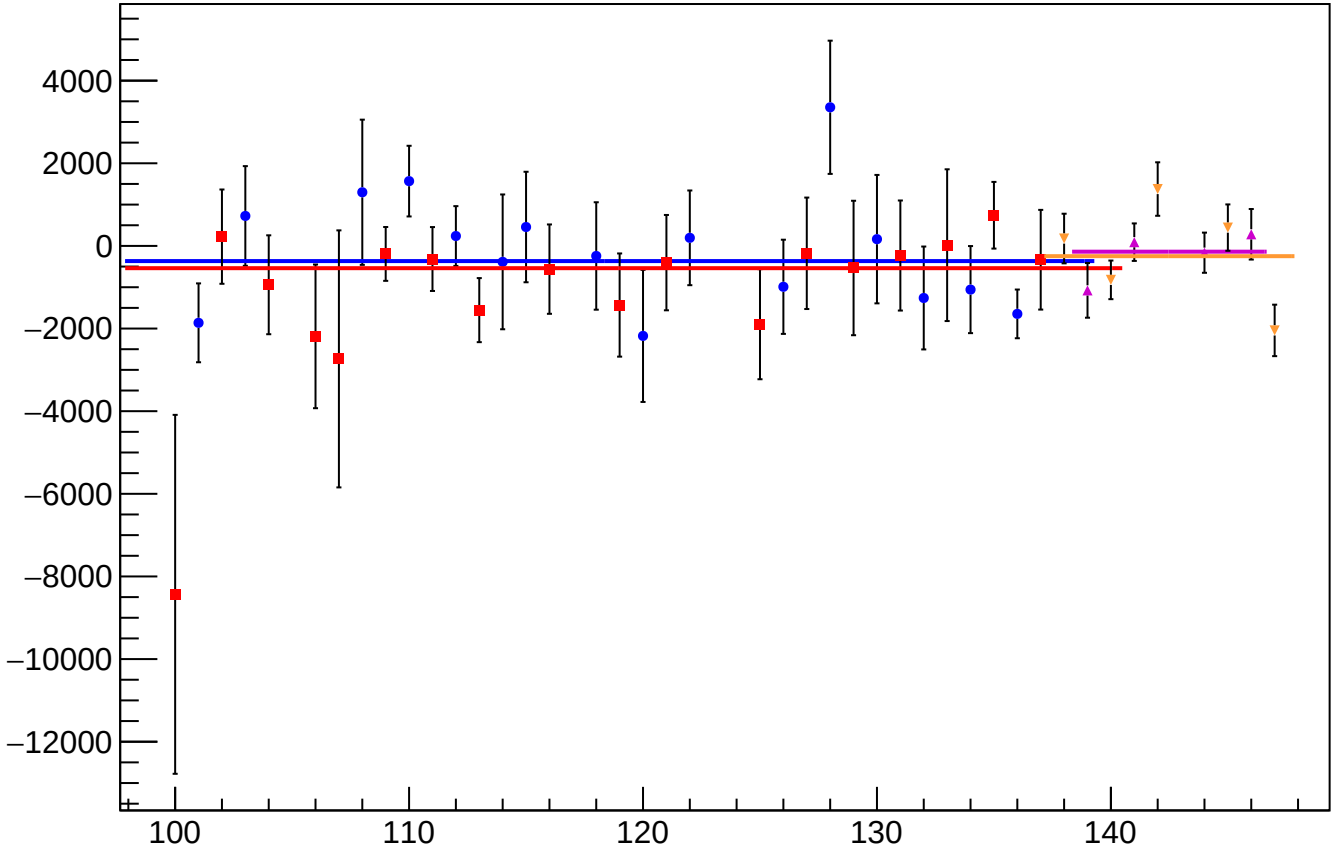
Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 779.399+/-0.167 χ^2/NDF: 12918.0/20

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

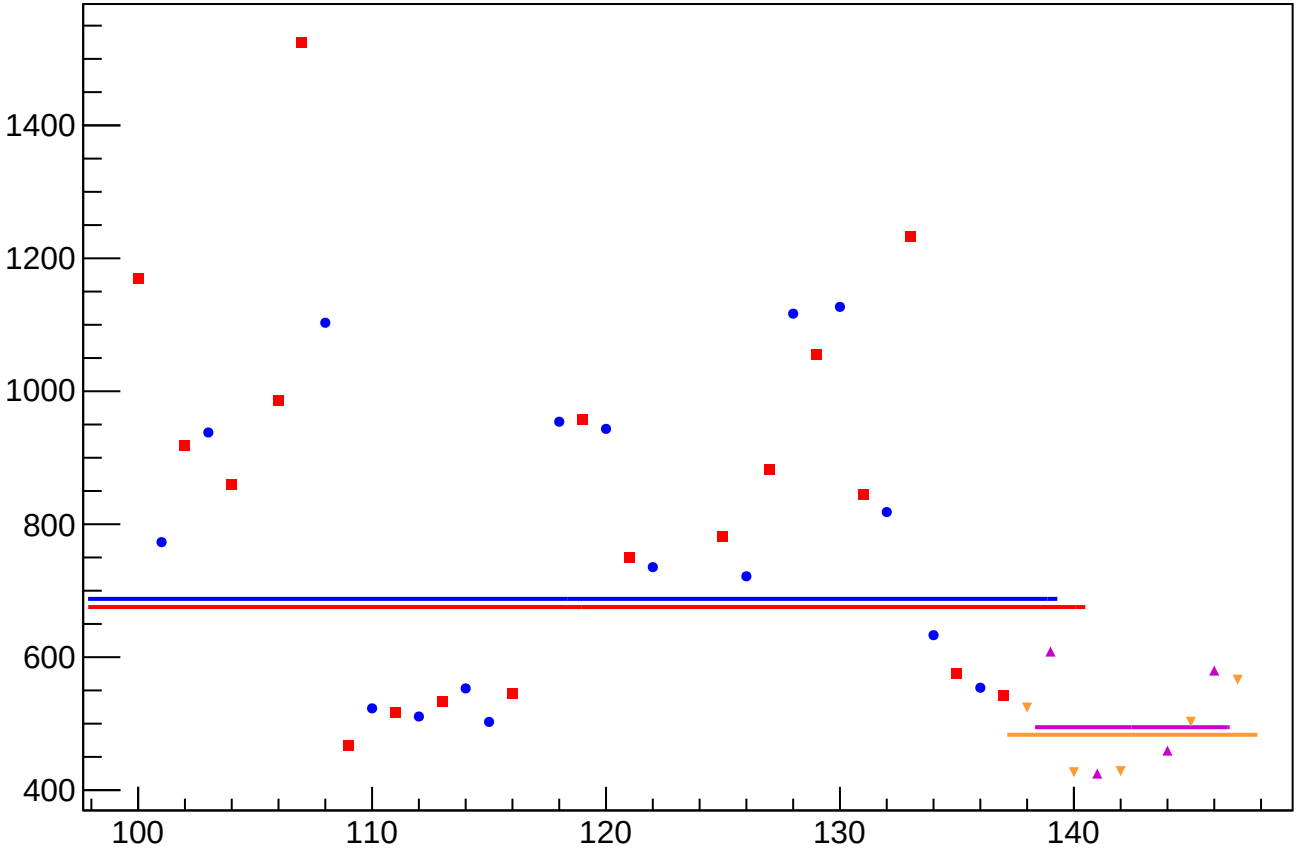
Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -304.812+/-183.963 χ^2/NDF: 41.6/20

All: -323.177+/-131.241 χ^2/NDF: 57.1/42

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

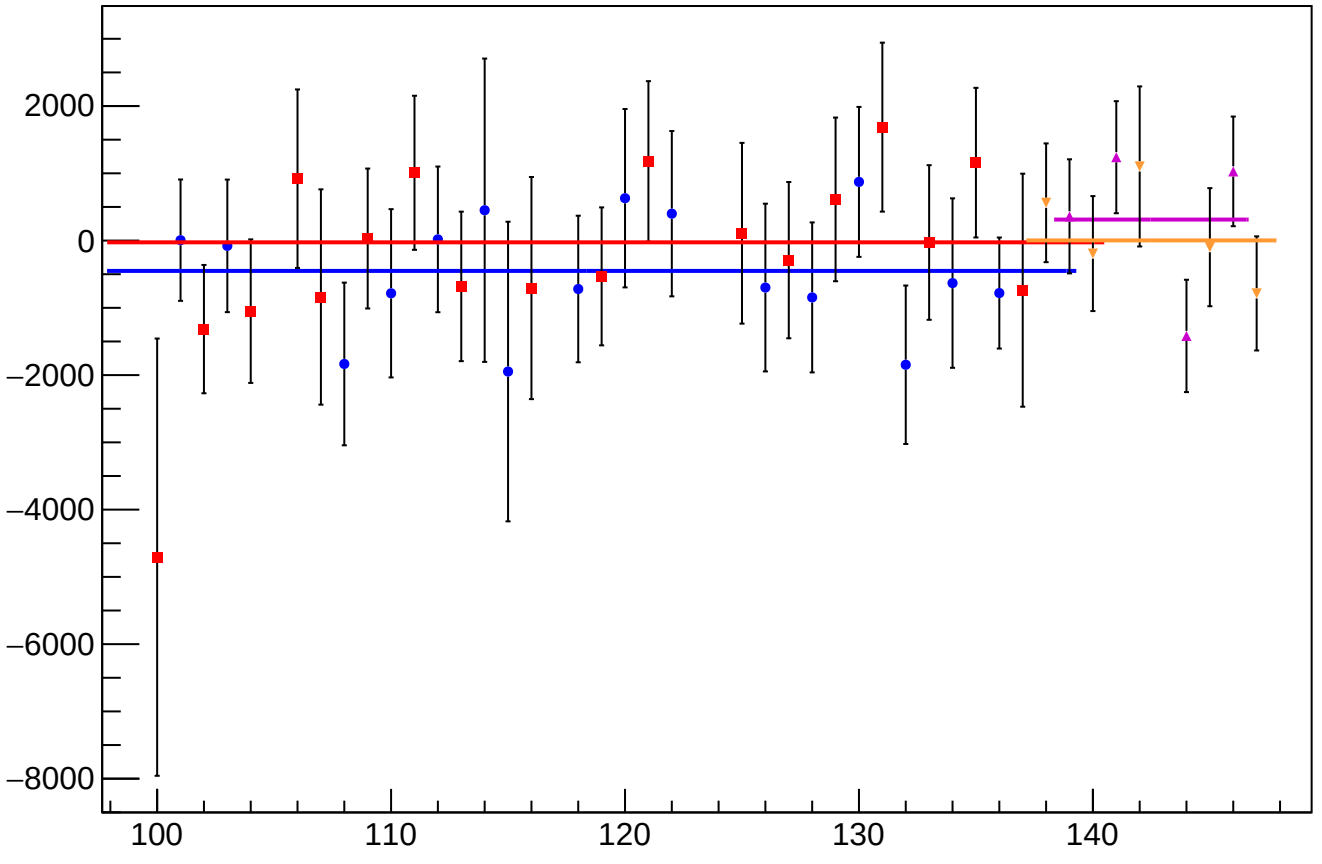
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 580.544+/-0.130 χ^2/NDF: 1738425.6/20

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

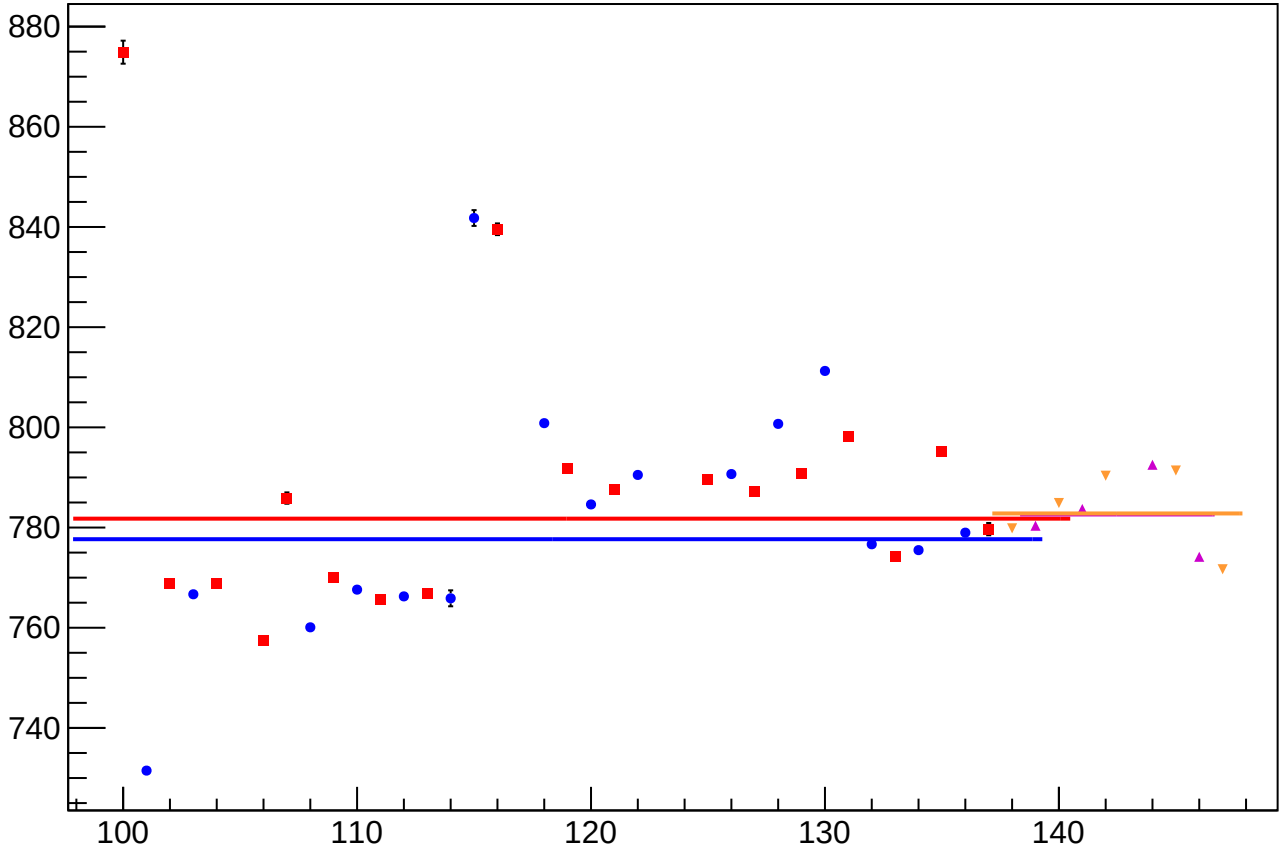
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

+ sign -298.803+/-235.555 χ^2/NDF: 9.9/20

All: -108.709+/-167.033 χ^2/NDF: 29.7/42

- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

cor_asym_us_dd_rms vs Slug



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

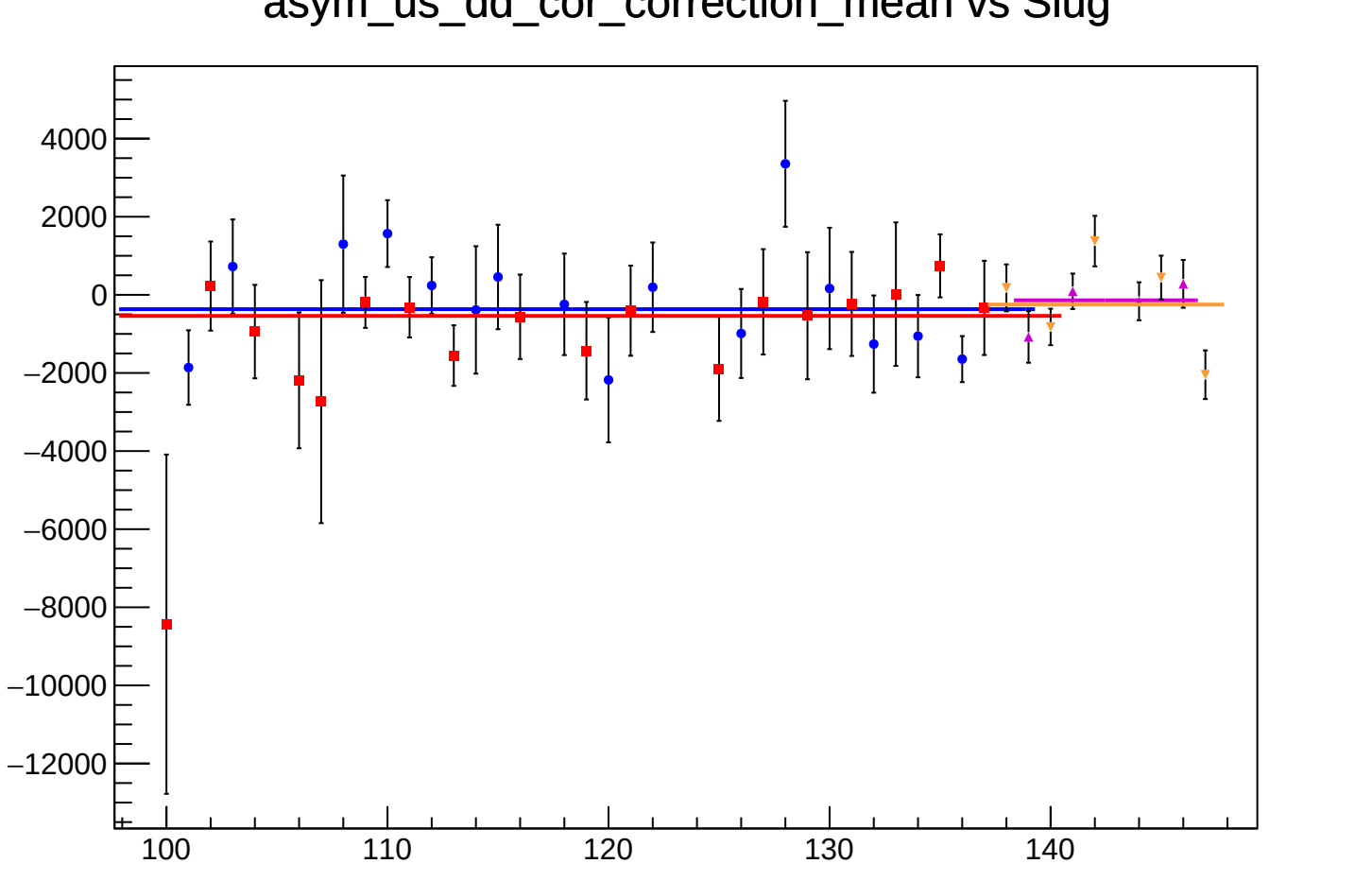
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 779.399+/-0.167 χ^2/NDF: 12918.0/20

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

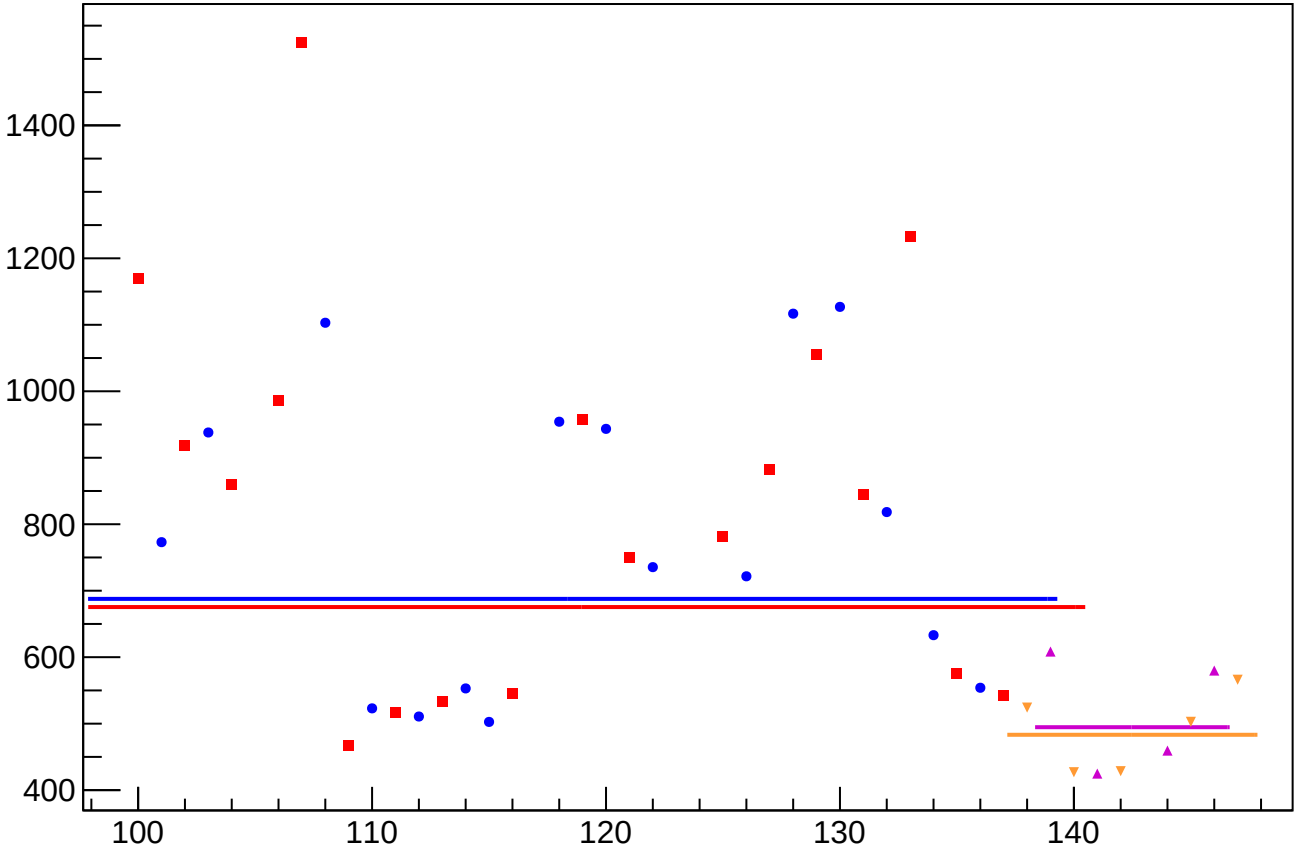
Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -304.812+/-183.963 χ^2/NDF: 41.6/20

All: -323.177+/-131.241 χ^2/NDF: 57.1/42

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

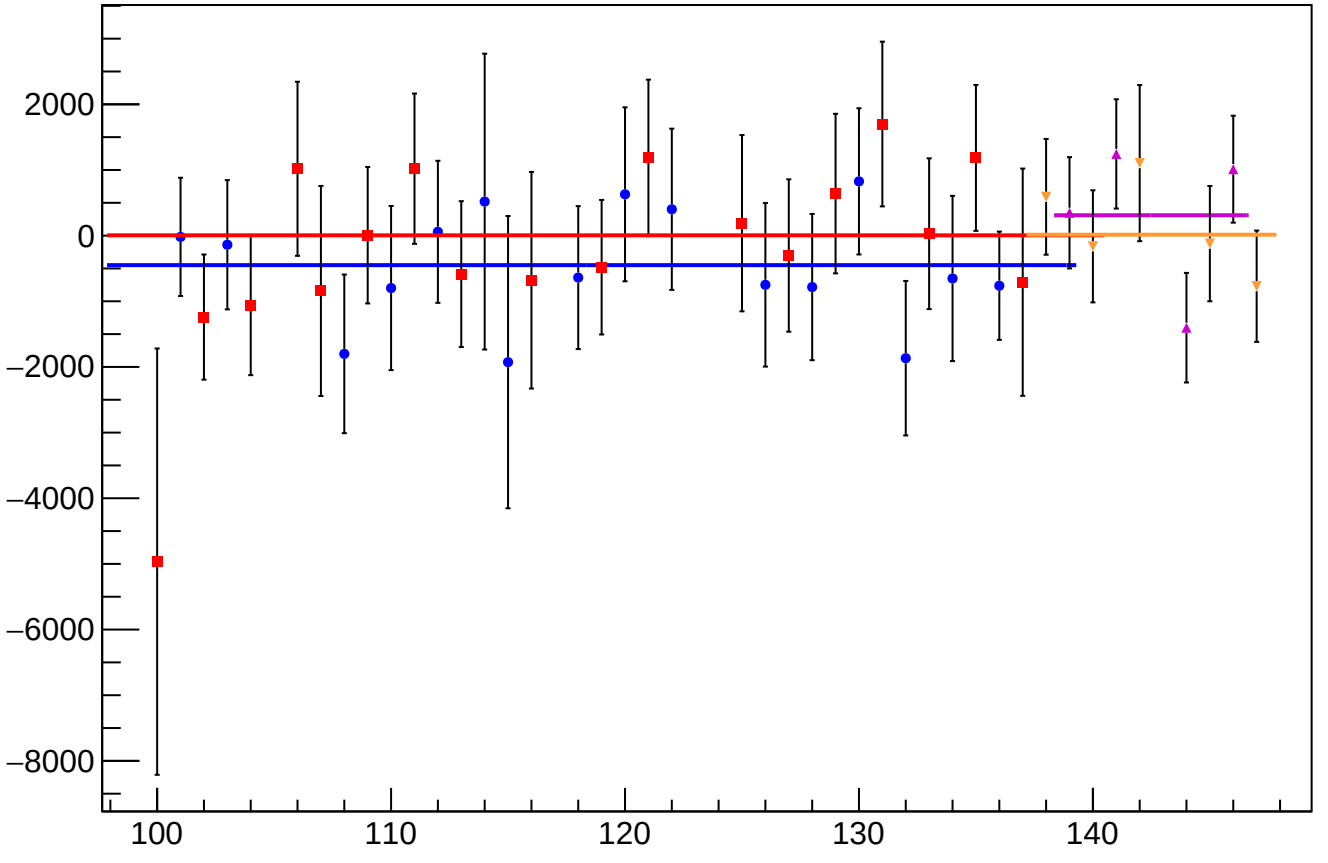
Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 580.544+/-0.130 χ^2/NDF: 1738425.6/20

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: 14.245+/-406.343 χ^2/NDF:2.2/4

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

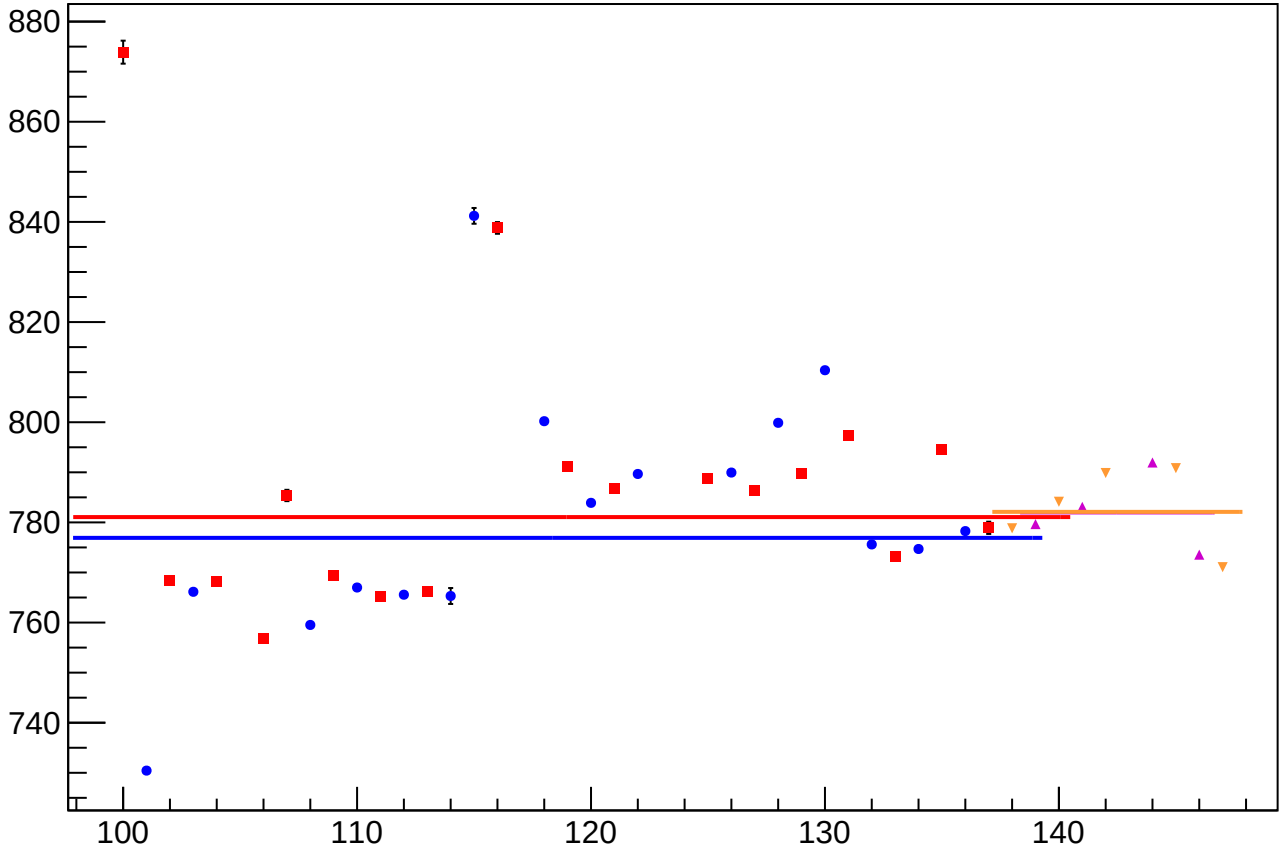
Left In: 310.554+/-415.975 χ^2/NDF:6.2/3

\+ sign -293.911+/-235.330 χ^2/NDF: 9.8/20

All: -96.255+/-166.880 χ^2/NDF: 29.7/42

\- sign 103.682+/-236.684 χ^2/NDF: 18.4/21

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 782.103+/-0.287 χ^2/NDF:661.5/4

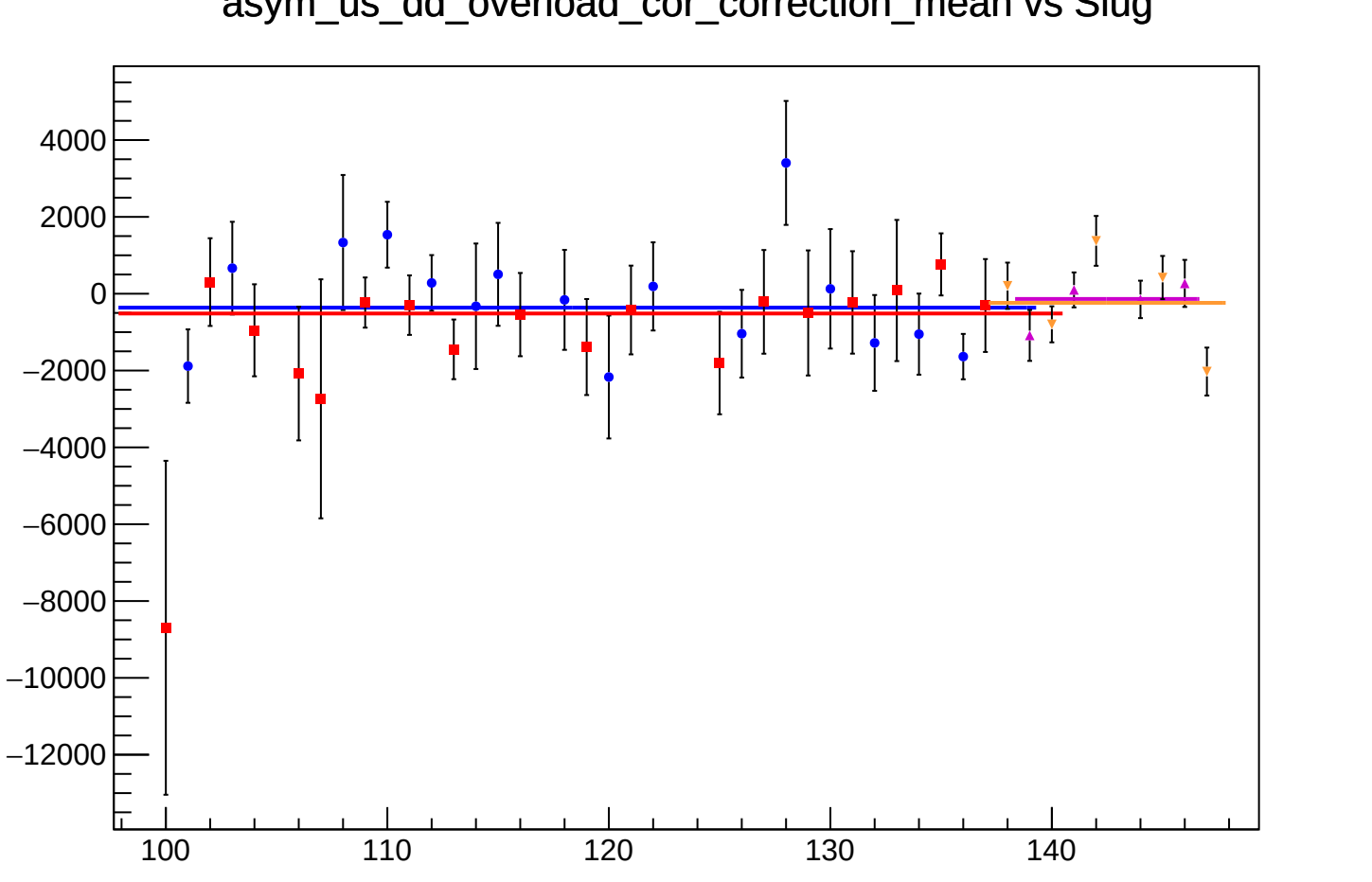
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 781.987+/-0.294 χ^2/NDF:518.5/3

+ sign 778.654+/-0.166 χ^2/NDF: 13001.9/20

All: 779.999+/-0.118 χ^2/NDF: 21244.4/42

- sign 781.361+/-0.167 χ^2/NDF: 8111.0/21



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

Left Out: -237.591+/-254.718 χ^2/NDF:17.7/4

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

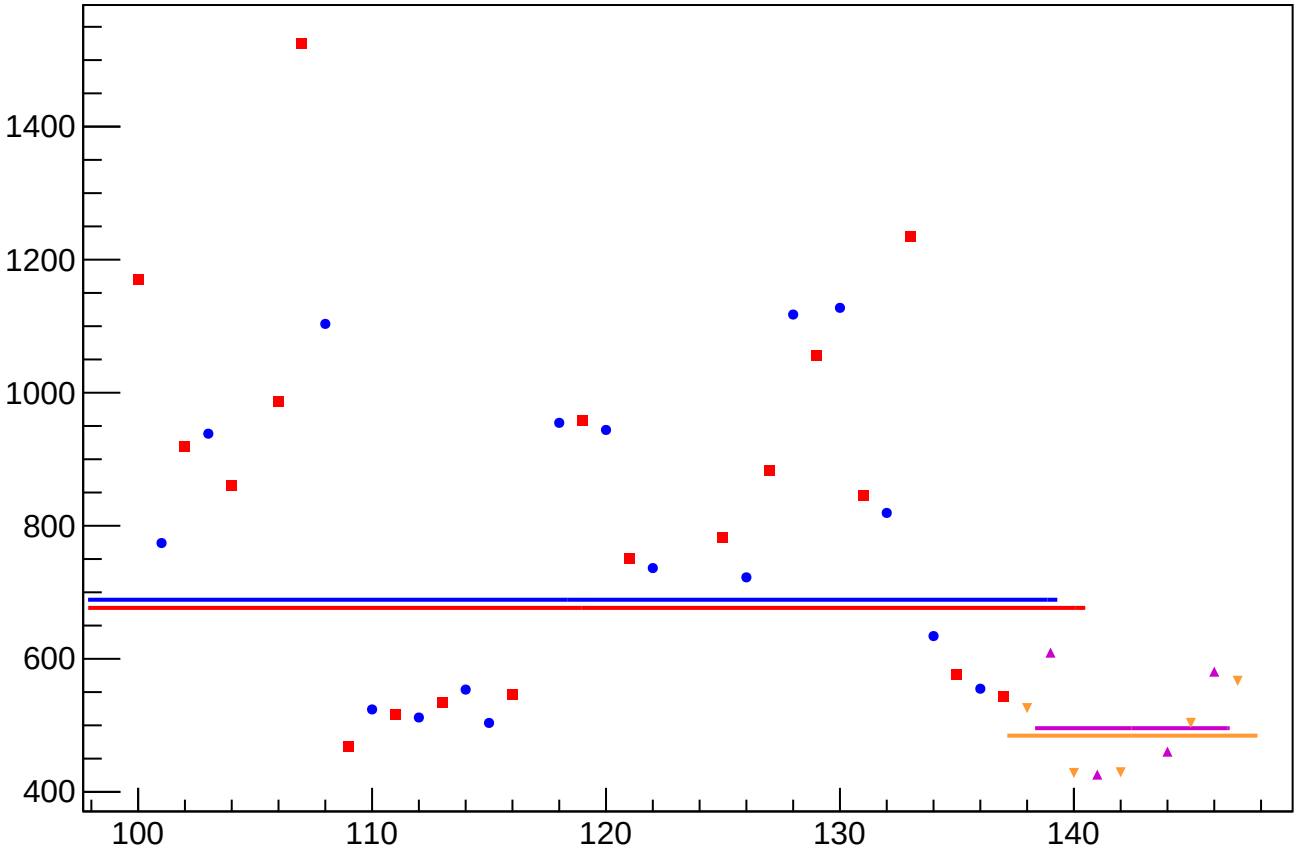
Left In: -135.982+/-267.417 χ^2/NDF:2.8/3

\+ sign -297.235+/-184.330 χ^2/NDF: 41.2/20

All: -312.630+/-131.489 χ^2/NDF: 56.4/42

\- sign -328.580+/-187.621 χ^2/NDF: 15.2/21

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 484.523+/-0.180 χ^2/NDF:89709.3/4

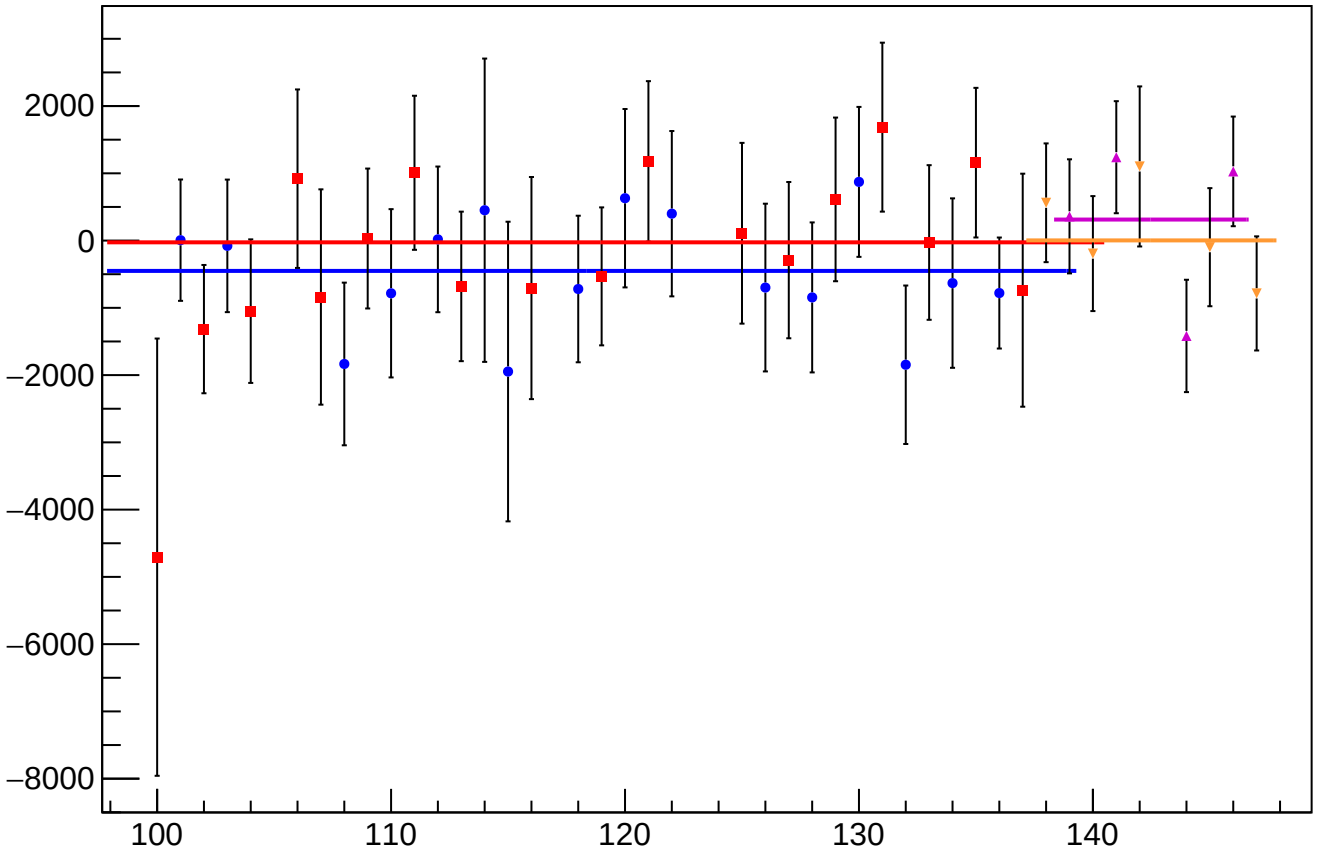
Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 495.750+/-0.189 χ^2/NDF:154724.6/3

+ sign 581.836+/-0.130 χ^2/NDF: 1730690.8/20

All: 584.649+/-0.093 χ^2/NDF: 3658706.4/42

- sign 587.563+/-0.133 χ^2/NDF: 1927067.3/21



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

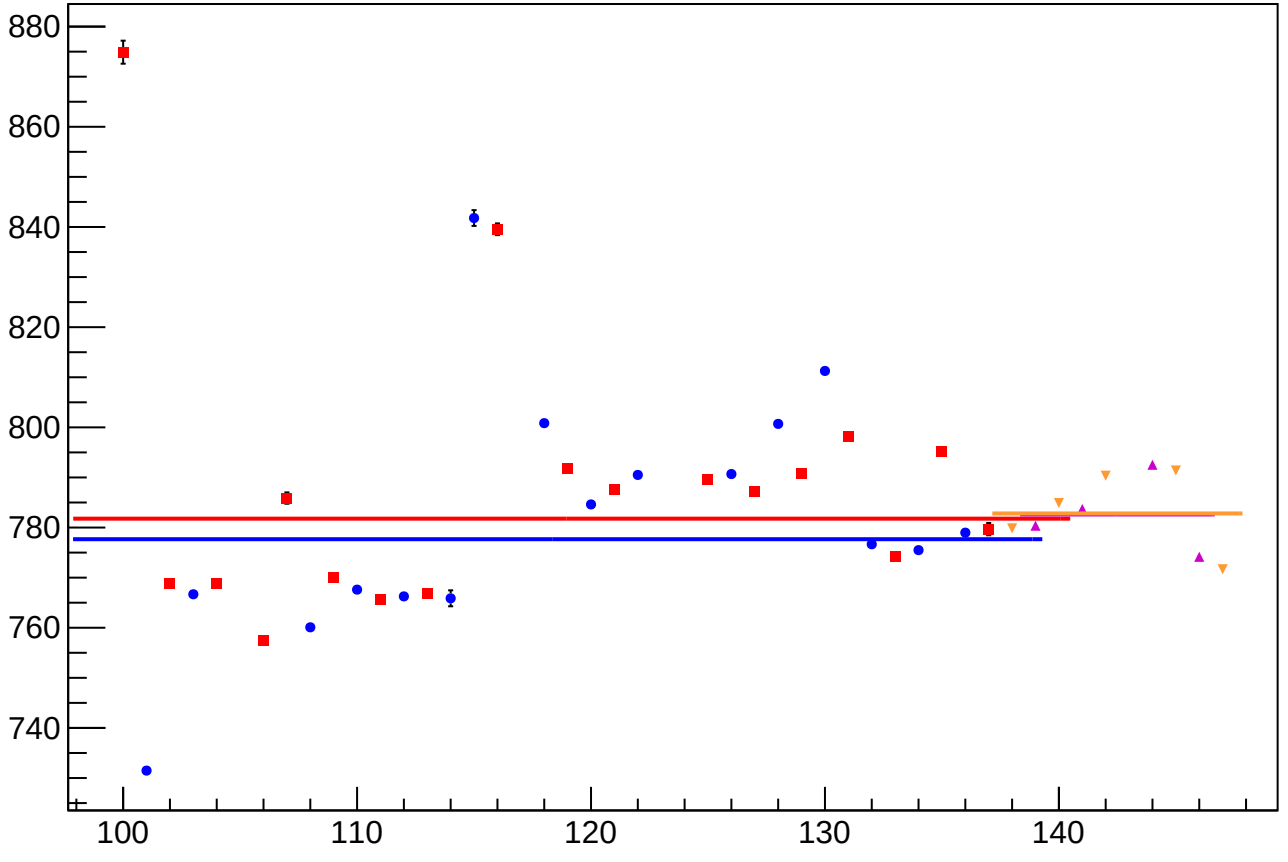
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

\+ sign -298.803+/-235.555 χ^2/NDF: 9.9/20

All: -108.709+/-167.033 χ^2/NDF: 29.7/42

\- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

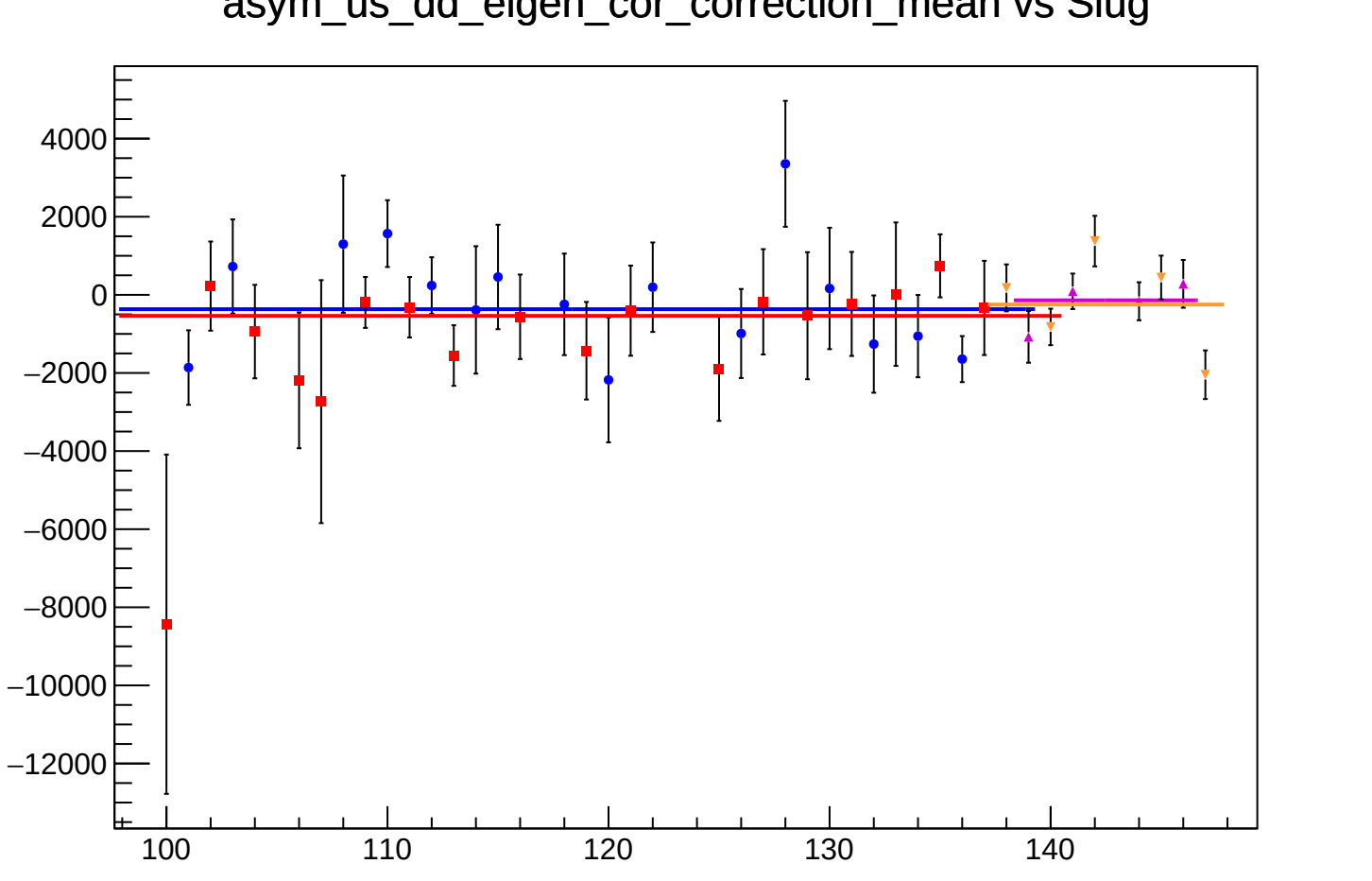
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 779.399+/-0.167 χ^2/NDF: 12918.0/20

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

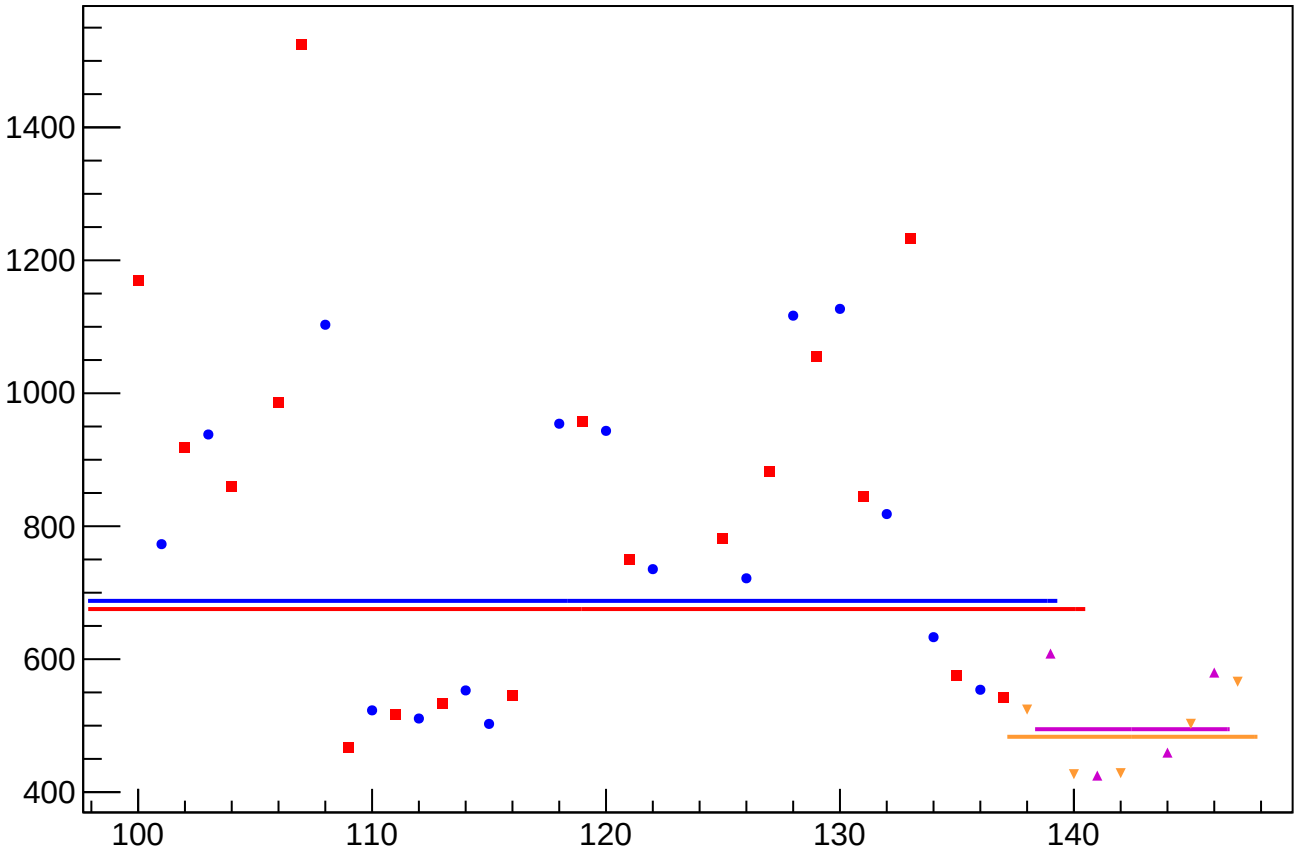
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -304.812+/-183.963 χ^2/NDF: 41.6/20

All: -323.177+/-131.241 χ^2/NDF: 57.1/42

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

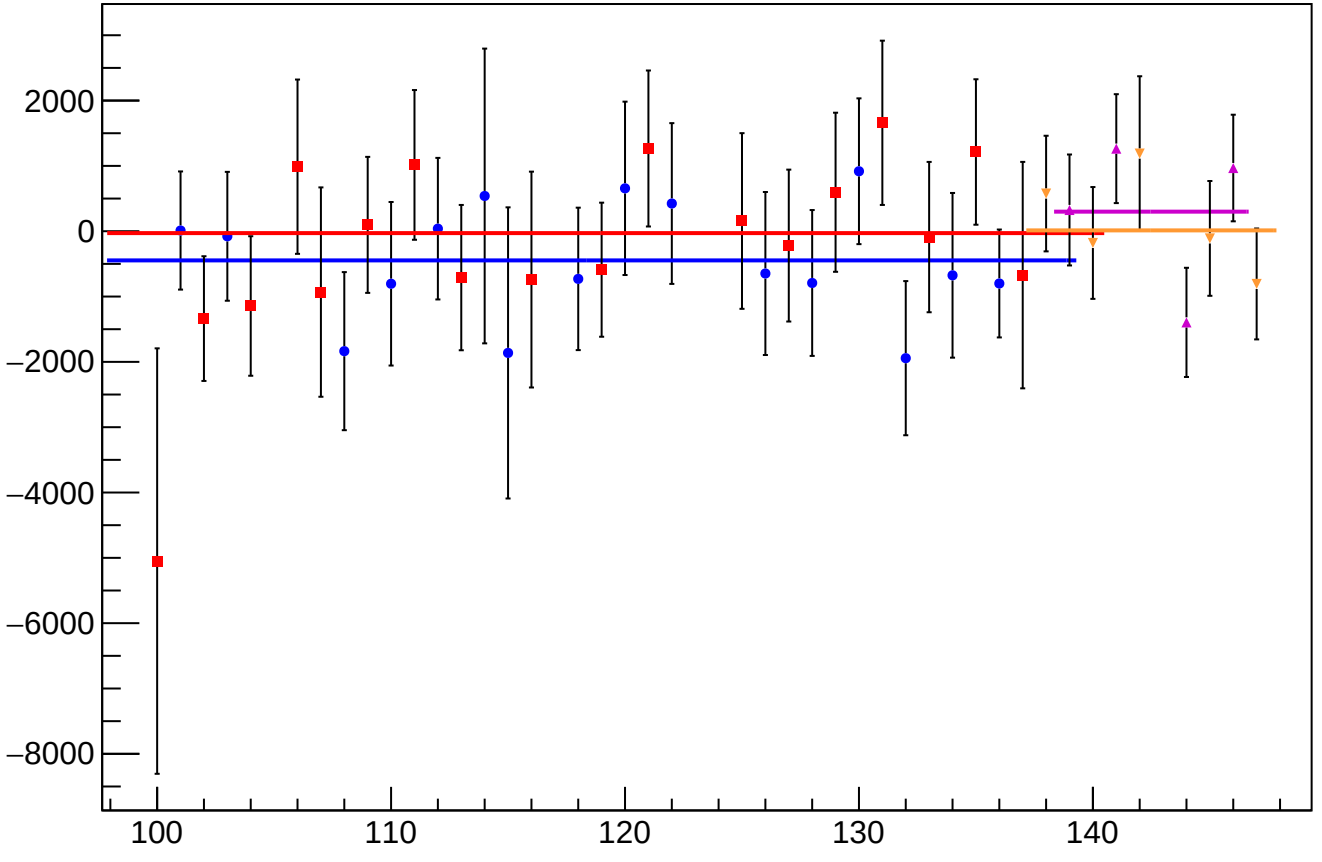
Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 580.544+/-0.130 χ^2/NDF: 1738425.6/20

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21

dit_asym_us_dd_mean vs Slug



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

Left Out: 12.703+/-406.945 χ^2/NDF:2.4/4

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

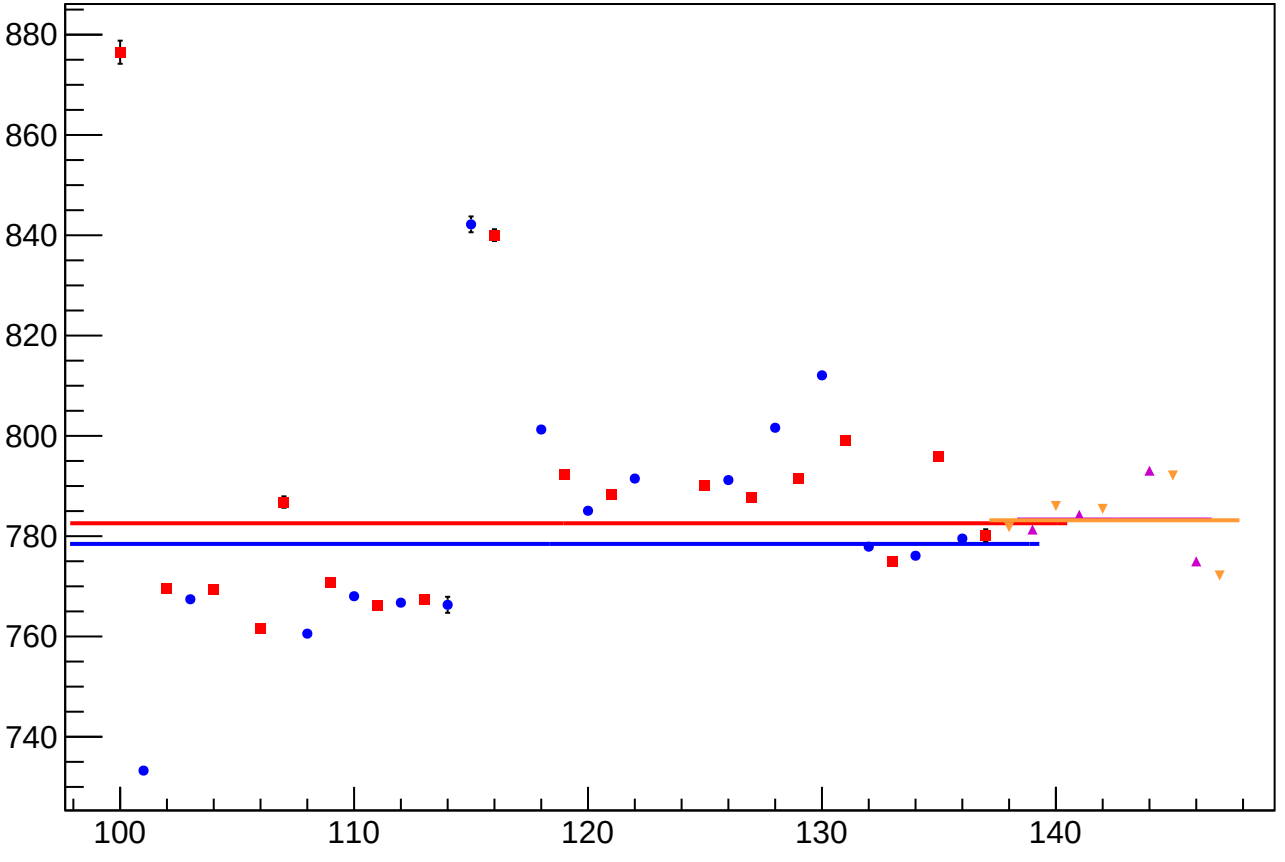
Left In: 299.554+/-416.684 χ^2/NDF:6.1/3

+ sign -292.485+/-235.756 χ^2/NDF: 10.5/20

All: -108.541+/-167.186 χ^2/NDF: 30.9/42

- sign 77.545+/-237.124 χ^2/NDF: 19.2/21

dit_asym_us_dd_rms vs Slug



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

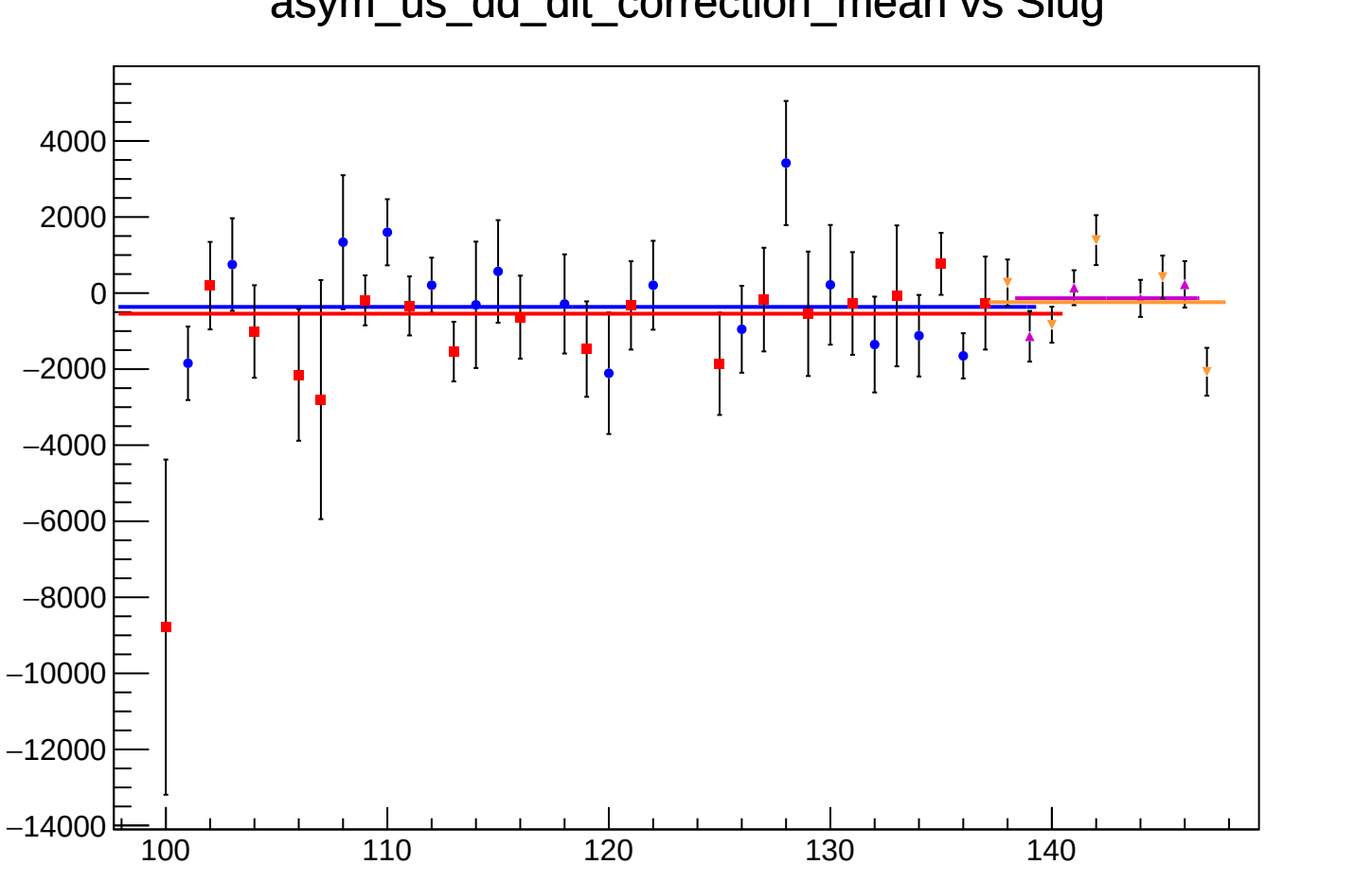
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

+ sign 780.039+/-0.167 χ^2/NDF: 12550.7/20

All: 781.420+/-0.118 χ^2/NDF: 20668.8/42

- sign 782.817+/-0.168 χ^2/NDF: 7980.0/21



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

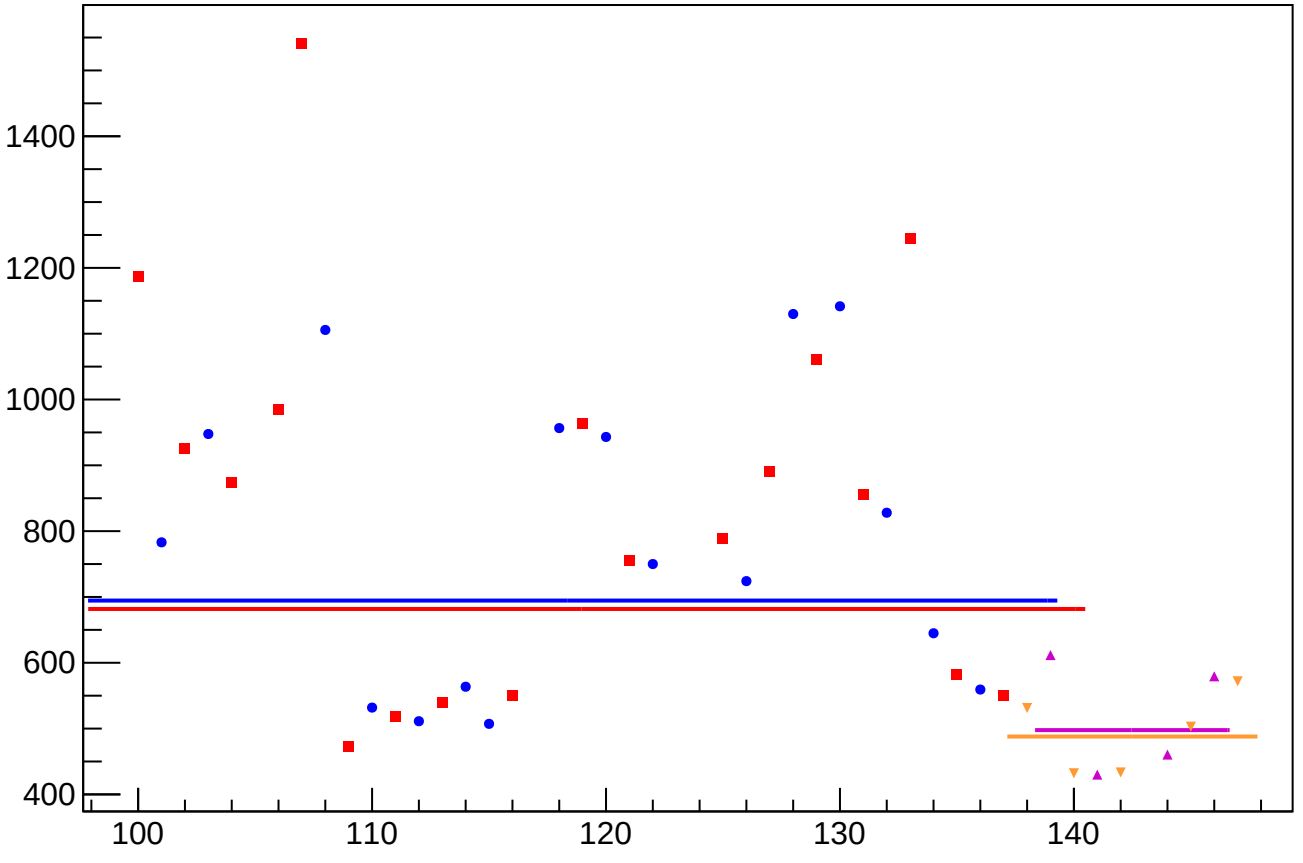
Left In: -134.881+/-268.295 χ^2/NDF:3.0/3

+ sign -298.657+/-185.750 χ^2/NDF: 41.7/20

All: -319.596+/-132.354 χ^2/NDF: 57.7/42

- sign -341.190+/-188.636 χ^2/NDF: 15.9/21

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 487.922+/-0.181 χ^2/NDF:88881.4/4

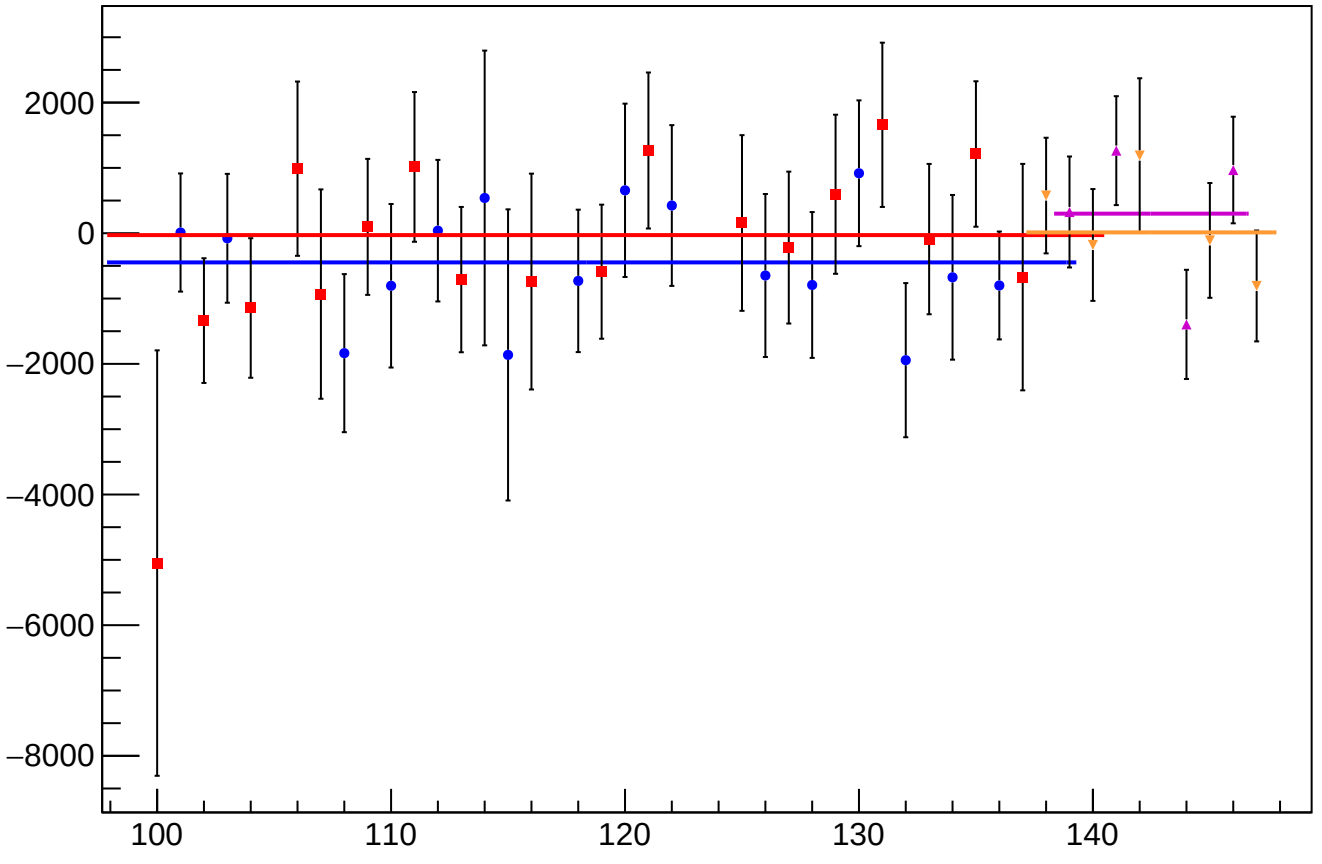
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 497.675+/-0.190 χ^2/NDF:149514.8/3

+ sign 586.202+/-0.131 χ^2/NDF: 1735852.6/20

All: 588.442+/-0.094 χ^2/NDF: 3673303.1/42

- sign 590.751+/-0.133 χ^2/NDF: 1936860.0/21



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

Left Out: 12.701+/-406.945 χ^2/NDF:2.4/4

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

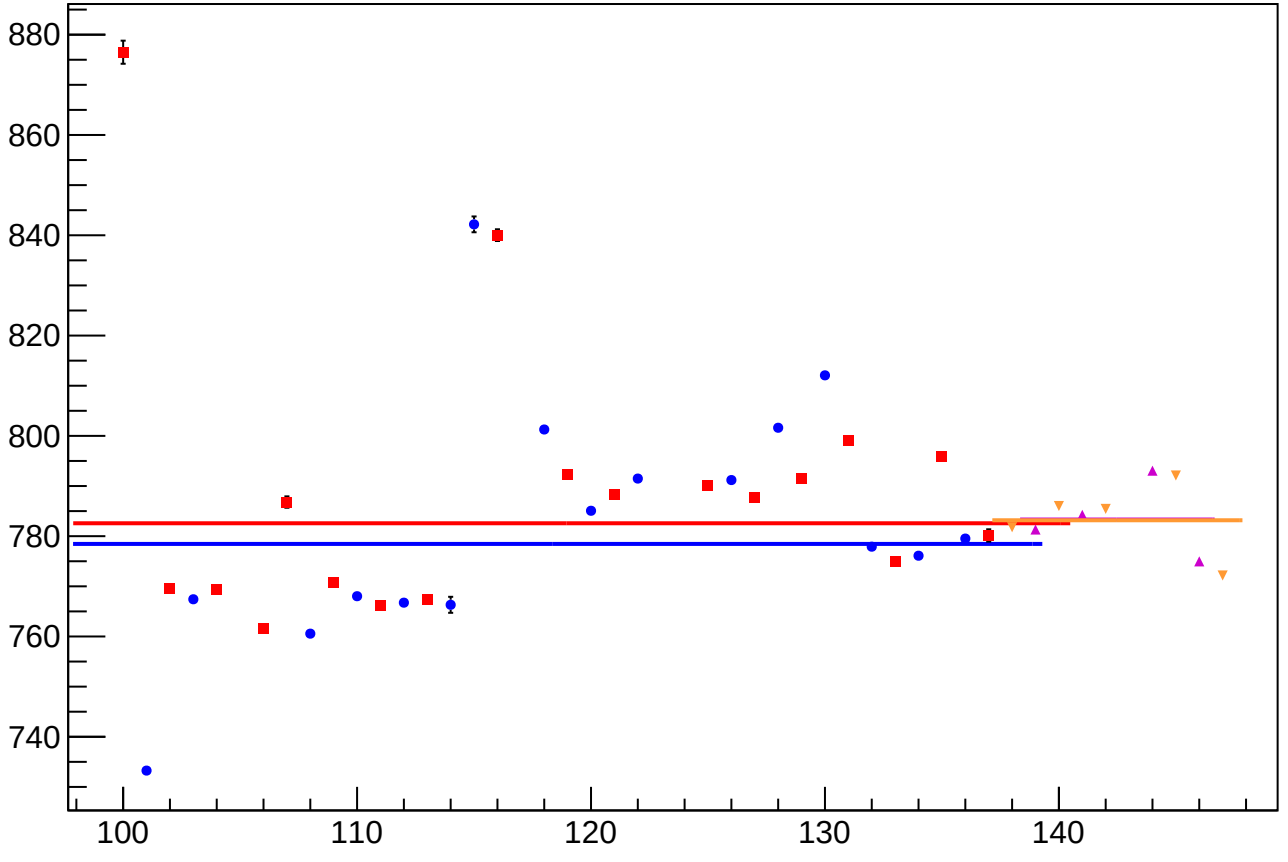
Left In: 299.552+/-416.684 χ^2/NDF:6.1/3

+ sign -292.486+/-235.756 χ^2/NDF: 10.5/20

All: -108.541+/-167.186 χ^2/NDF: 30.9/42

- sign 77.545+/-237.124 χ^2/NDF: 19.2/21

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

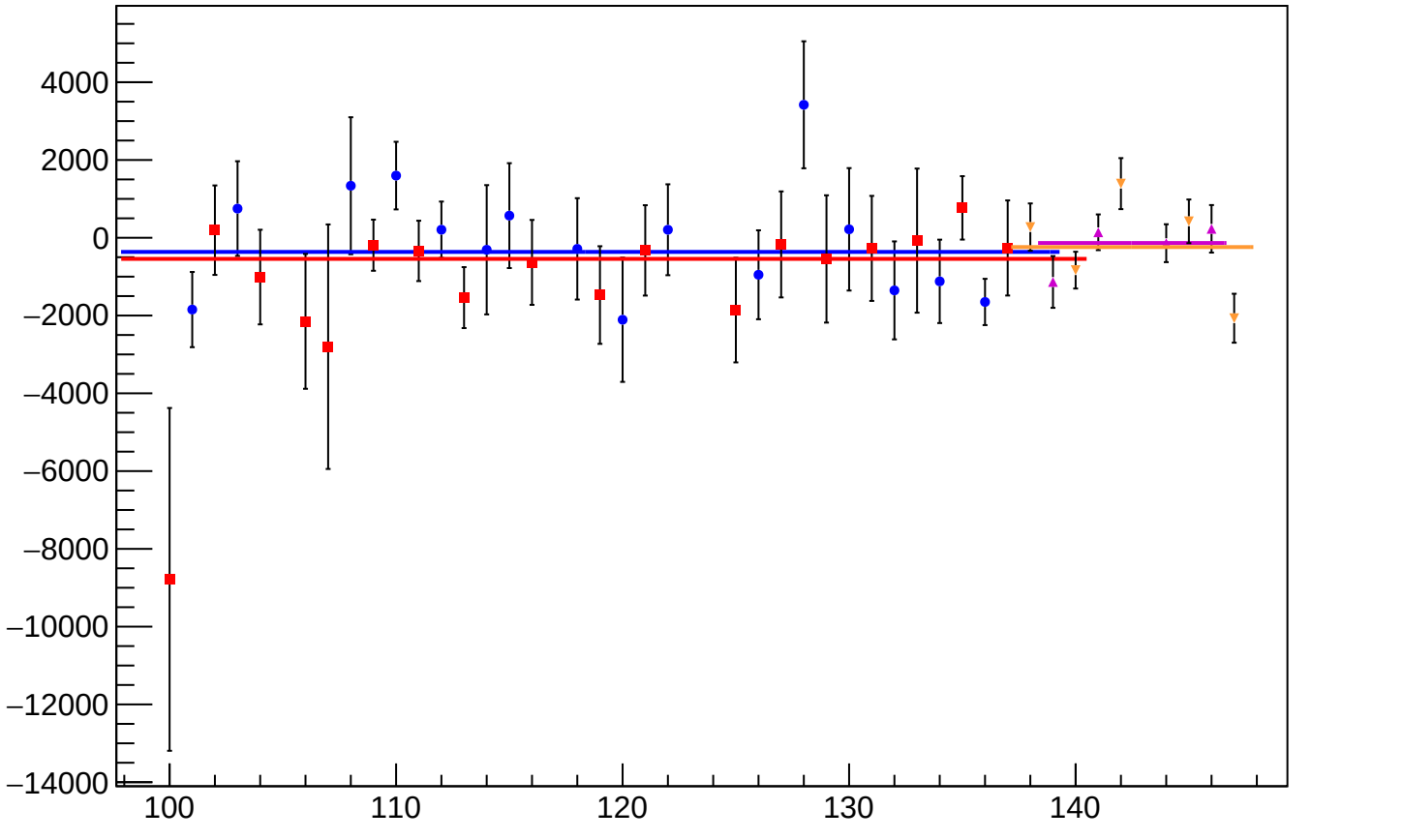
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

+ sign 780.039+/-0.167 χ^2/NDF: 12550.7/20

All: 781.420+/-0.118 χ^2/NDF: 20668.7/42

- sign 782.817+/-0.168 χ^2/NDF: 7980.0/21



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

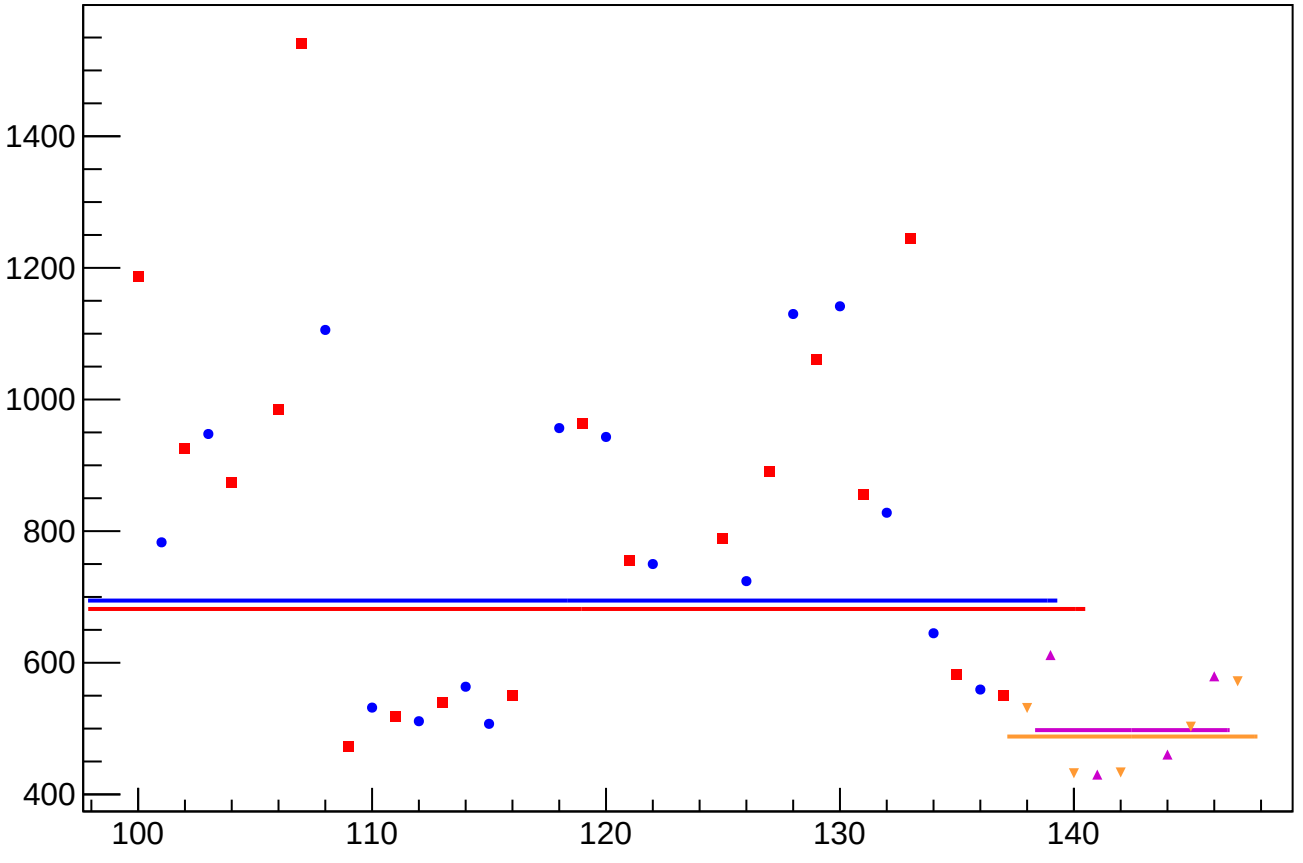
Left In: -134.879+/-268.294 χ^2/NDF:3.0/3

\+ sign -298.655+/-185.750 χ^2/NDF: 41.7/20

All: -319.595+/-132.353 χ^2/NDF: 57.7/42

\- sign -341.189+/-188.635 χ^2/NDF: 15.9/21

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 487.922+/-0.181 χ^2/NDF:88887.2/4

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

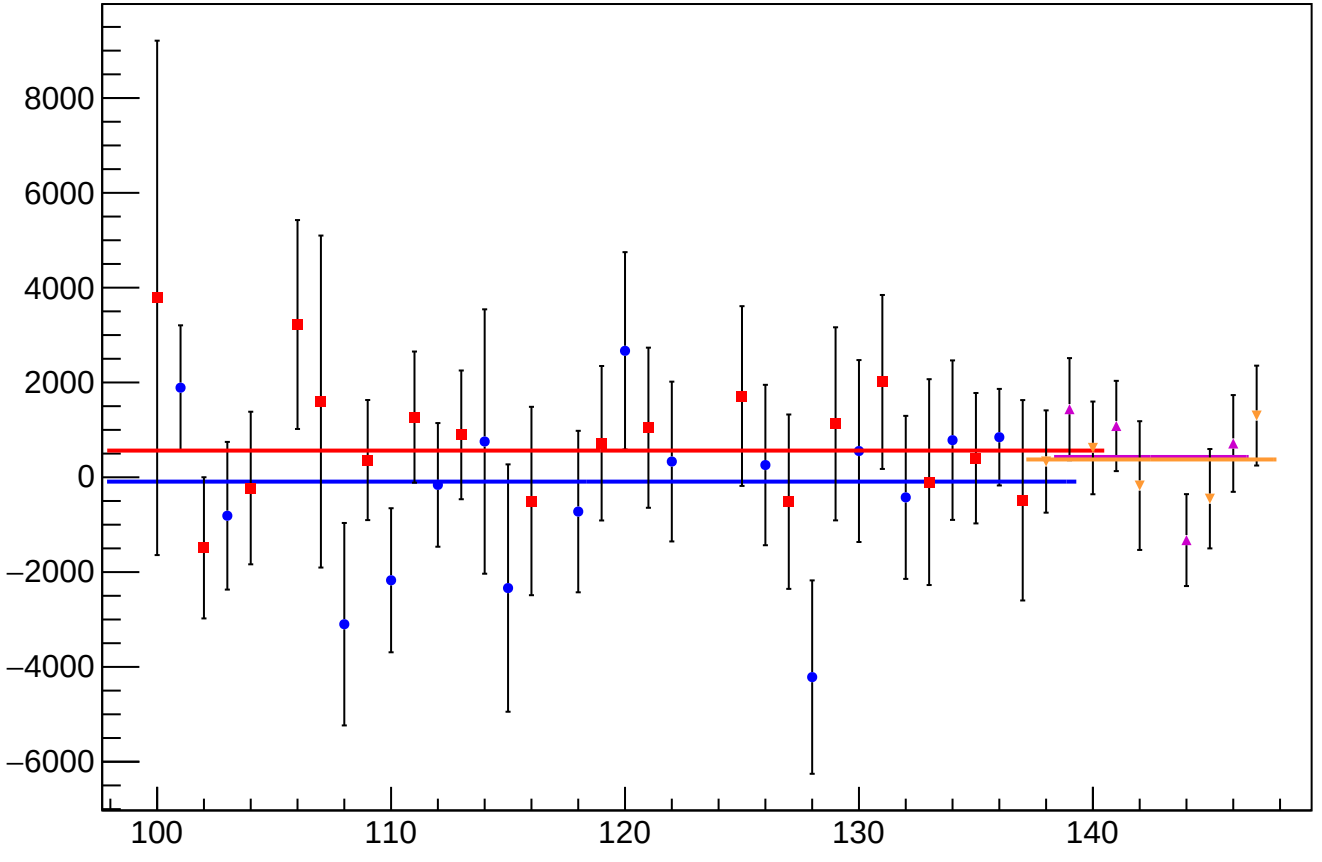
Left In: 497.674+/-0.190 χ^2/NDF:149521.7/3

\+ sign 586.201+/-0.131 χ^2/NDF: 1735856.3/20

All: 588.440+/-0.094 χ^2/NDF: 3673322.0/42

\- sign 590.750+/-0.133 χ^2/NDF: 1936875.1/21

asym_us_dd_mean vs Slug



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

Left Out: 375.837+/-484.584 χ^2/NDF:1.6/4

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

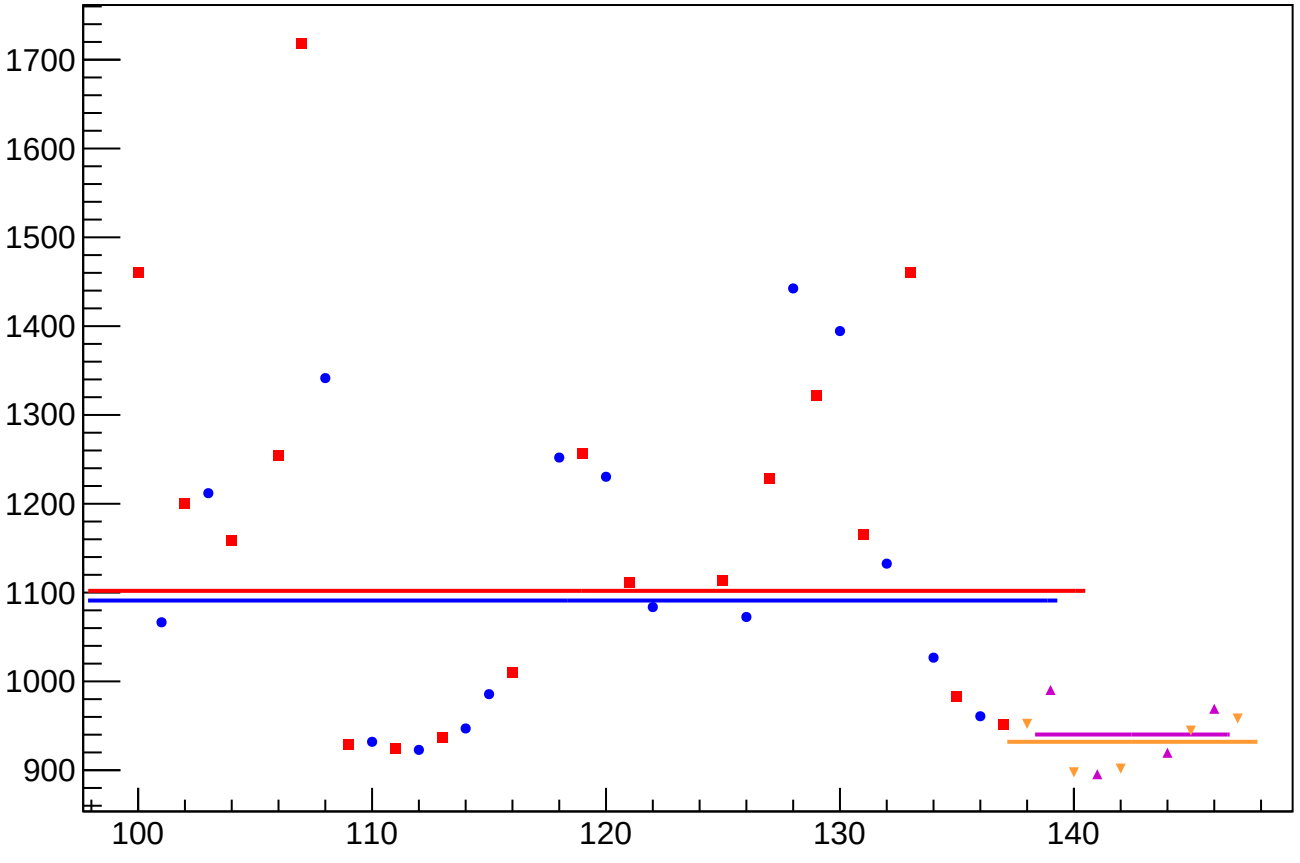
Left In: 428.502+/-500.616 χ^2/NDF:4.7/3

+ sign 103.564+/-312.979 χ^2/NDF: 16.7/20

All: 303.074+/-223.036 χ^2/NDF: 28.8/42

- sign 508.932+/-317.920 χ^2/NDF: 11.3/21

asym_us_dd_rms vs Slug



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

Left Out: 931.990+/-0.343 χ^2/NDF:5681.1/4

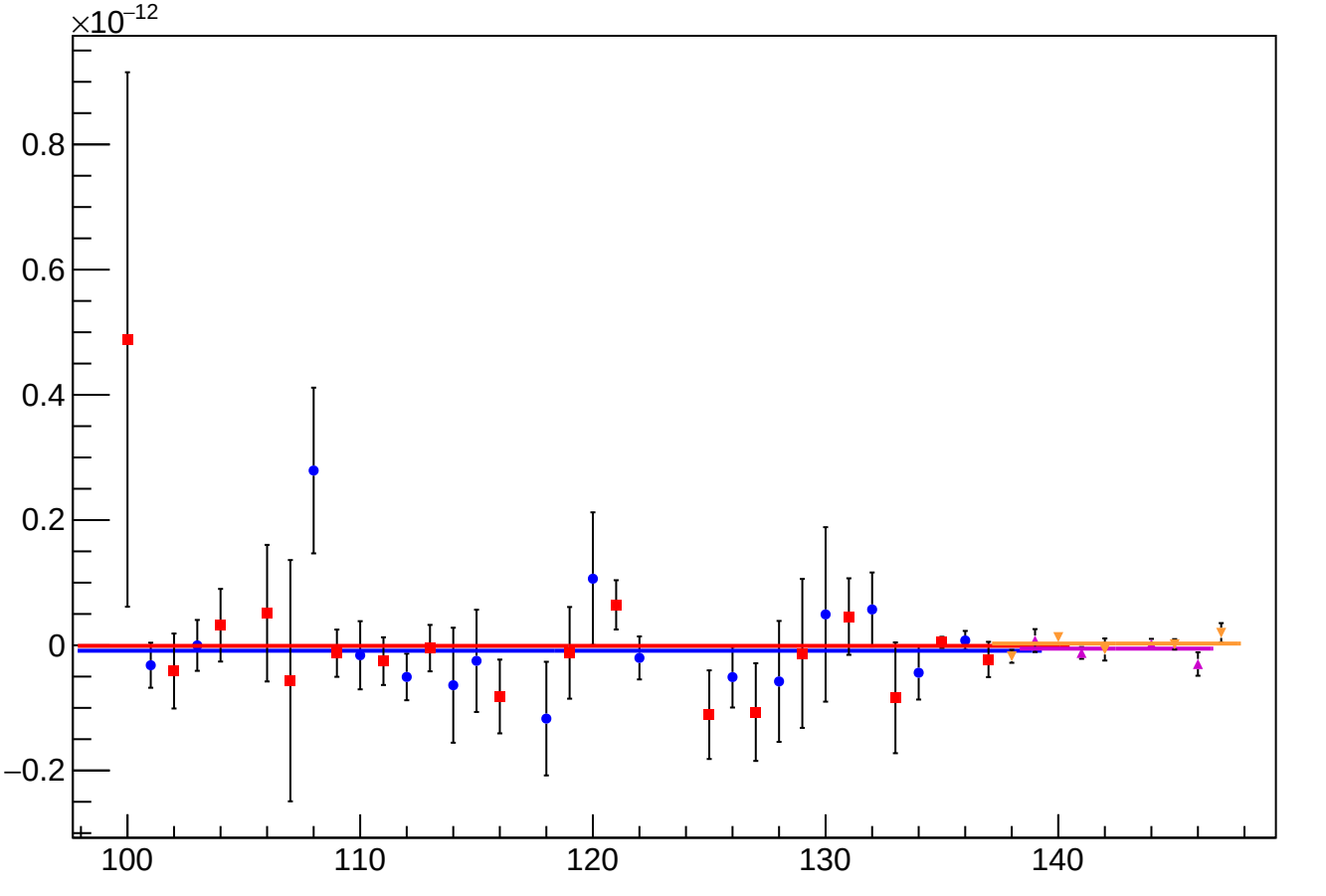
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

+ sign 1024.692+/-0.221 χ^2/NDF: 408566.5/20

All: 1030.609+/-0.158 χ^2/NDF: 873999.2/42

- sign 1036.713+/-0.225 χ^2/NDF: 463980.6/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/4

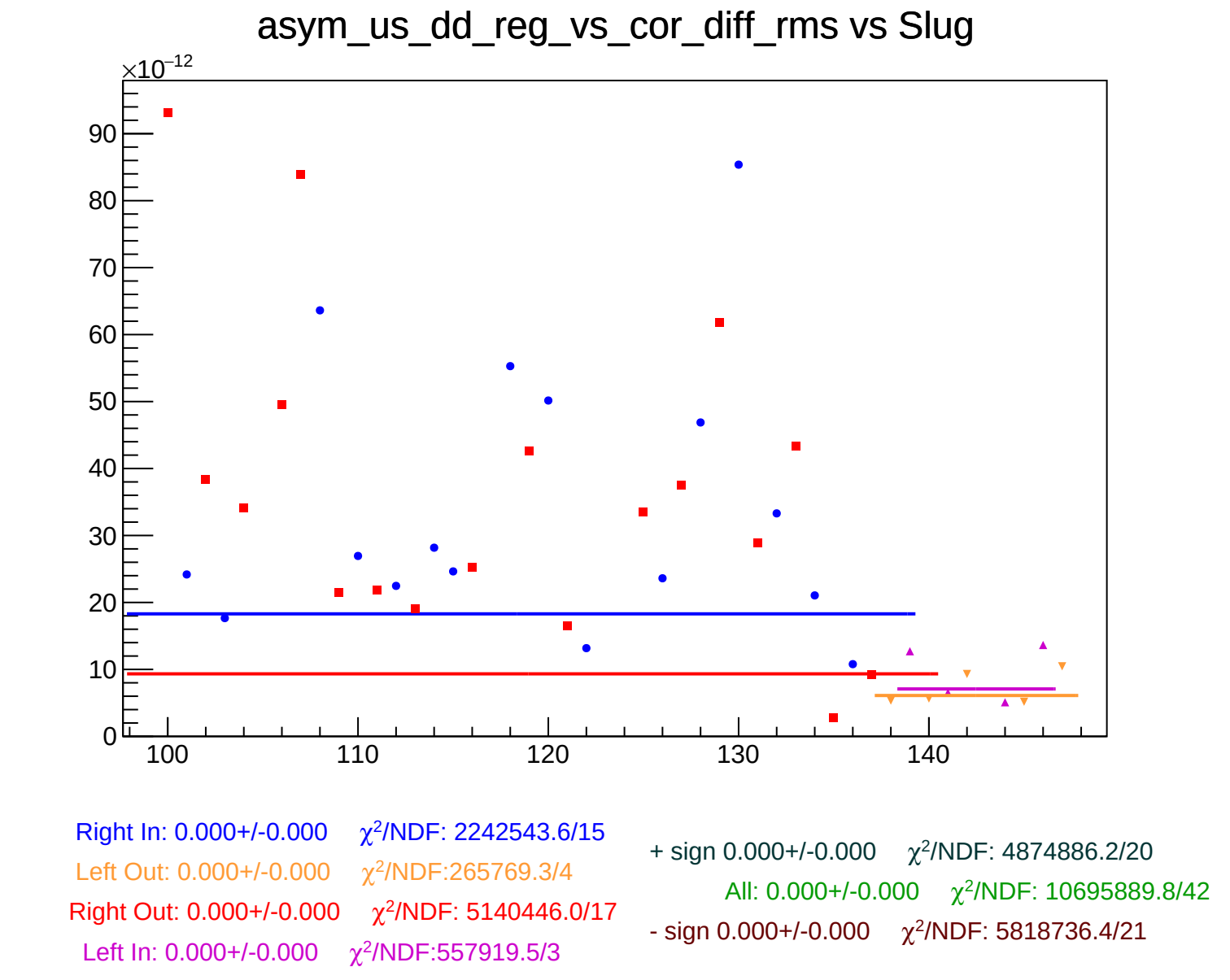
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:3.5/3

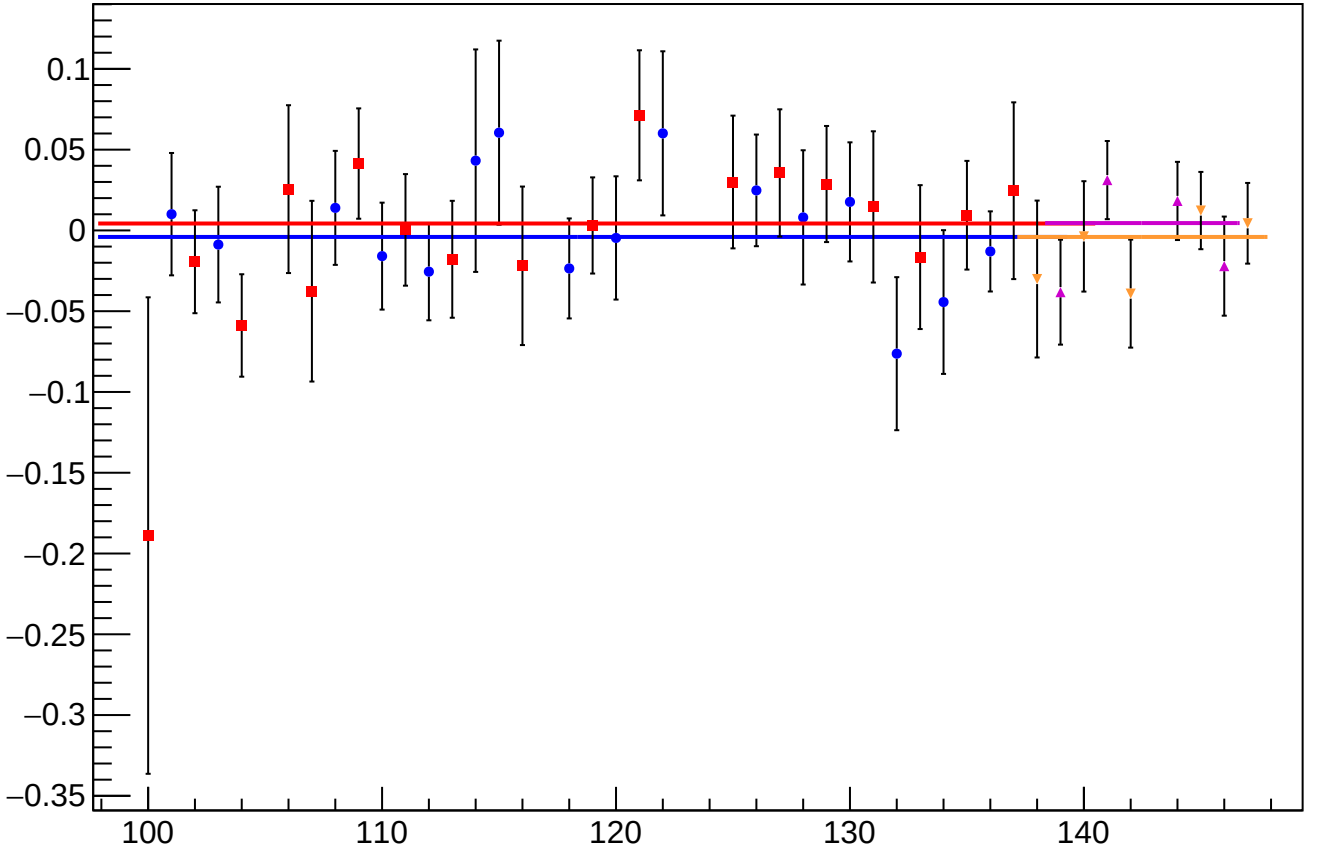
+ sign 0.000+/-0.000 χ^2/NDF: 22.1/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/42

- sign -0.000+/-0.000 χ^2/NDF: 18.1/21


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:265769.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:557919.5/3
+ sign 0.000+/-0.000 χ²/NDF: 4874886.2/20
All: 0.000+/-0.000 χ²/NDF: 10695889.8/42
- sign 0.000+/-0.000 χ²/NDF: 5818736.4/21

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

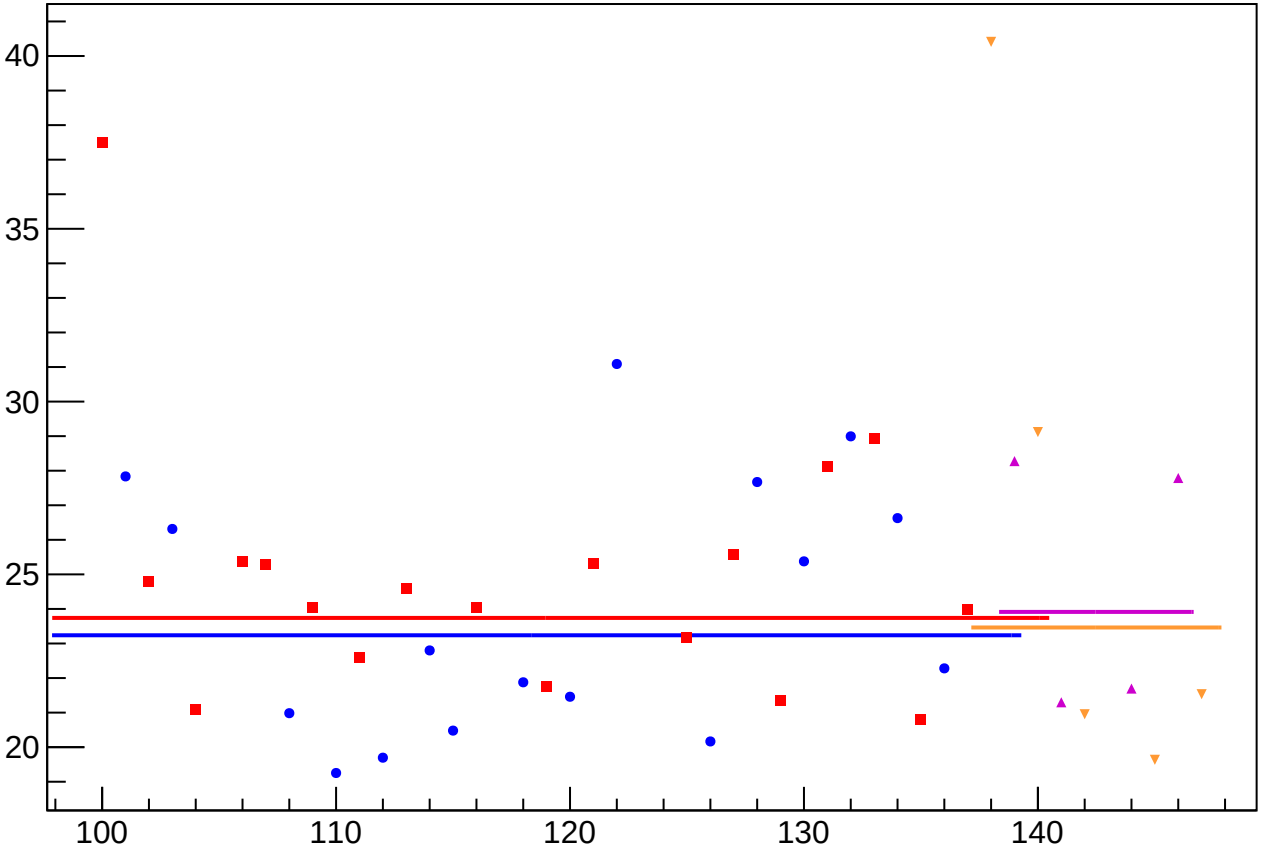
Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.004+/-0.008 χ^2/NDF: 11.2/20

All: 0.000+/-0.005 χ^2/NDF: 29.3/42

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

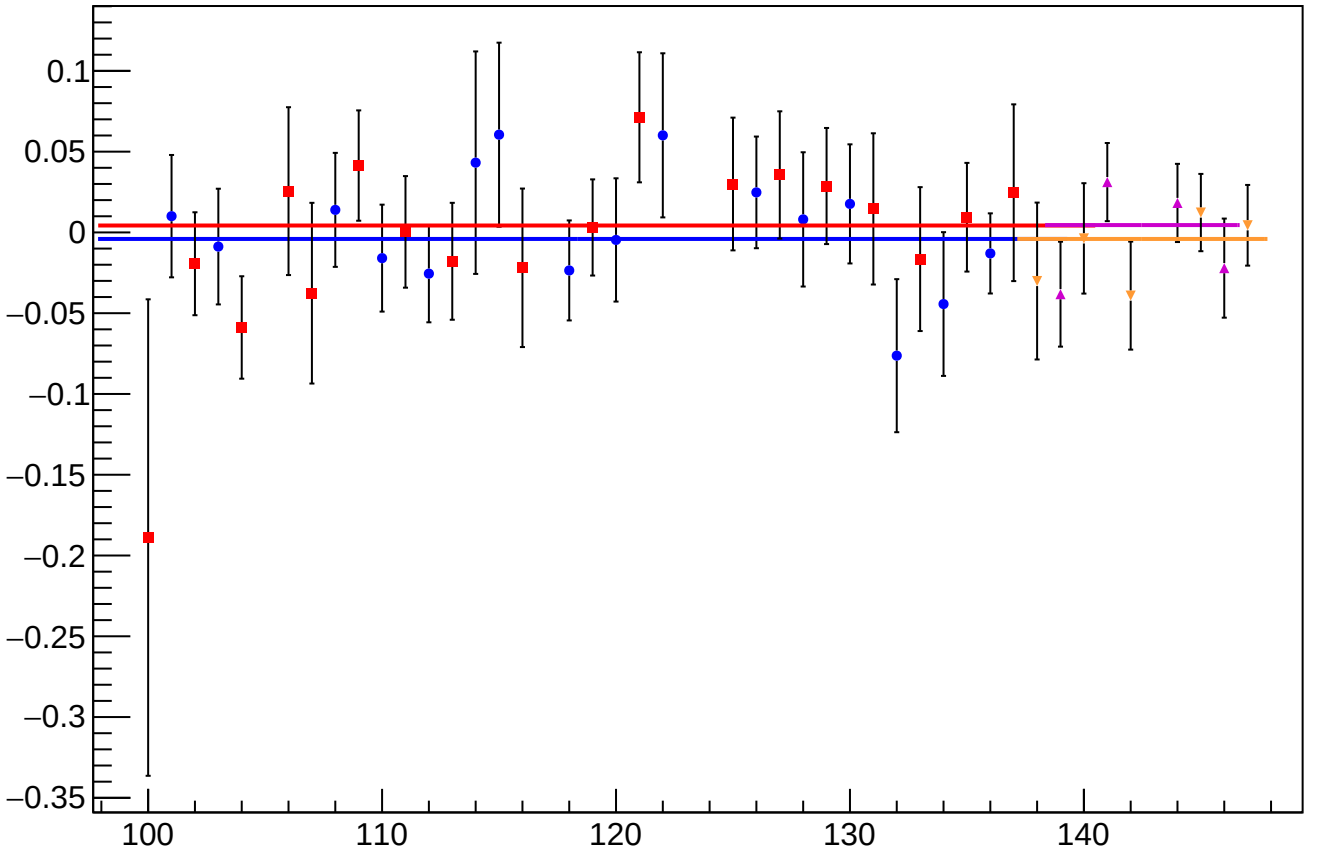
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

+ sign 23.310+/-0.005 χ^2/NDF: 632412.1/20

All: 23.551+/-0.004 χ^2/NDF: 871040.3/42

- sign 23.796+/-0.005 χ^2/NDF: 234604.2/21



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

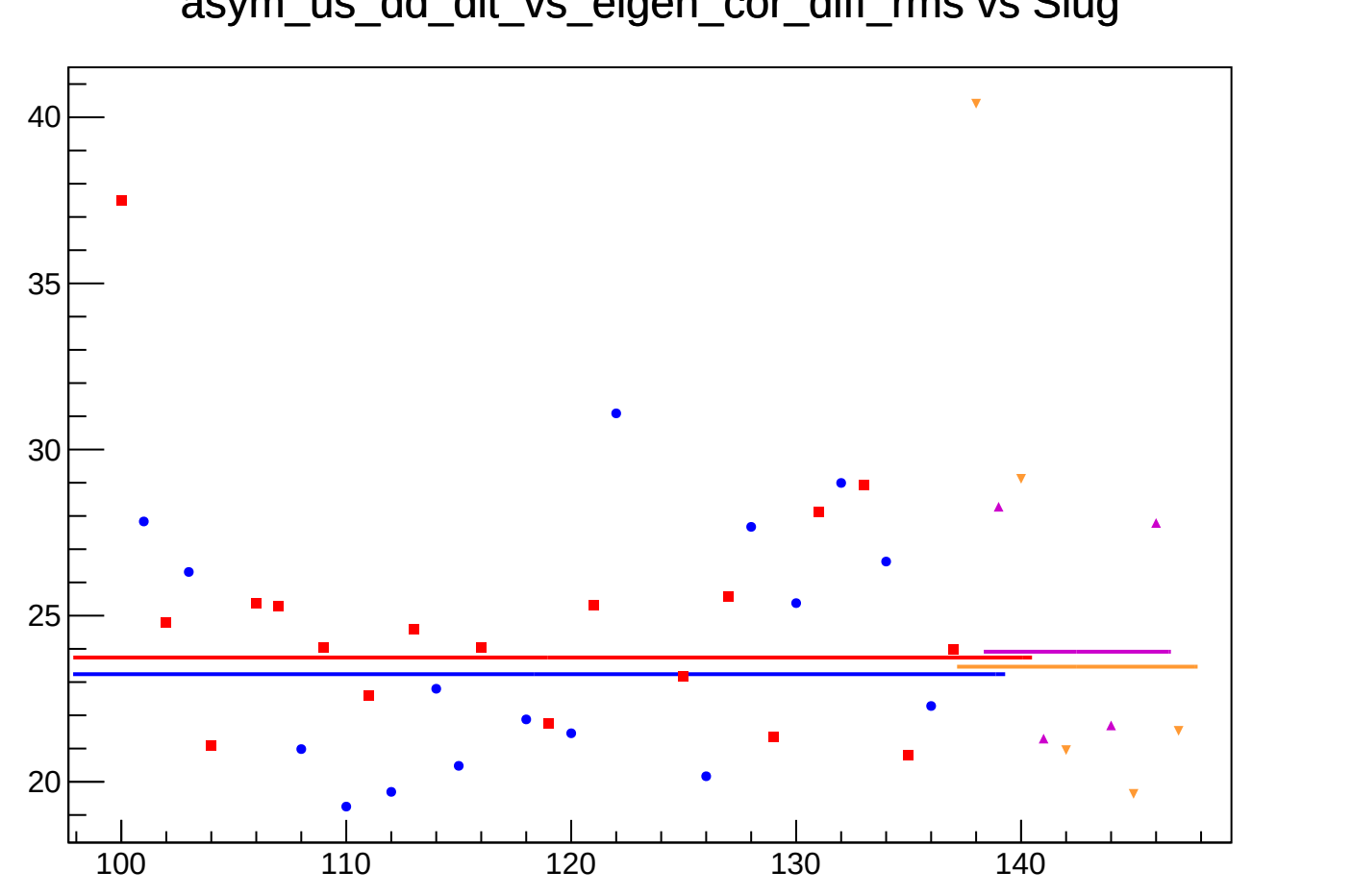
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.004+/-0.008 χ^2/NDF: 11.2/20

All: 0.000+/-0.005 χ^2/NDF: 29.3/42

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

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

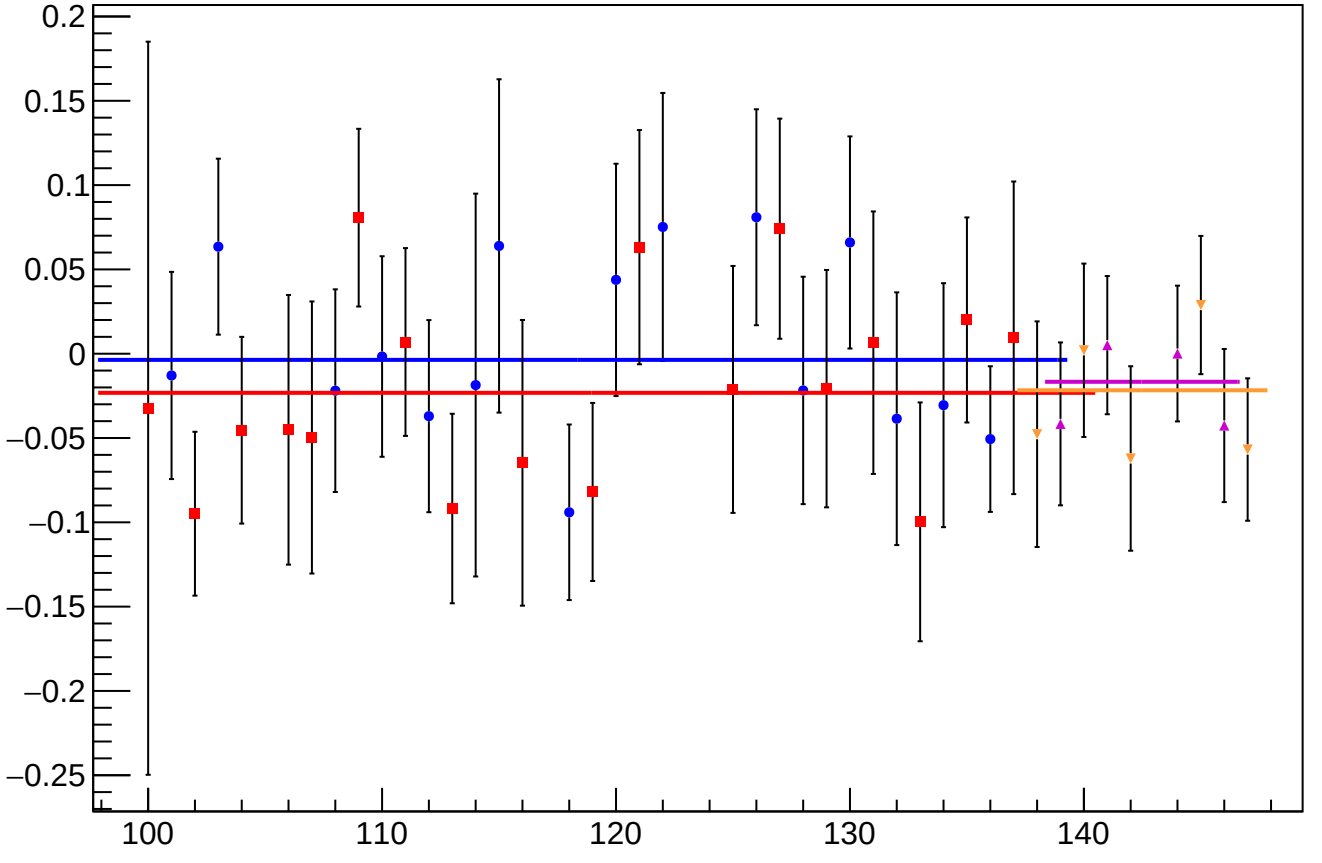
Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

+ sign 23.310+/-0.005 χ^2/NDF: 632412.1/20

All: 23.551+/-0.004 χ^2/NDF: 871040.3/42

- sign 23.796+/-0.005 χ^2/NDF: 234604.2/21

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: -0.022+/-0.022 χ^2/NDF:3.1/4

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

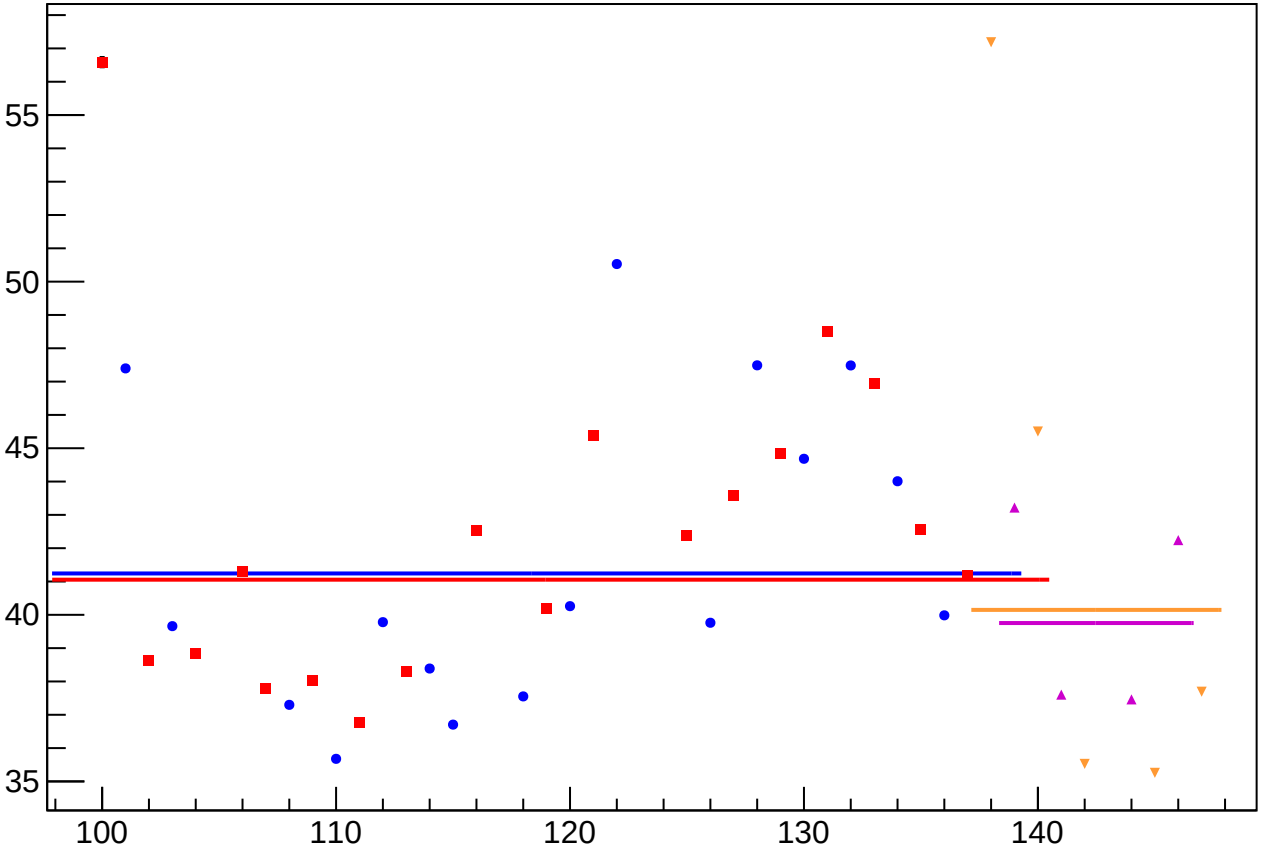
Left In: -0.017+/-0.022 χ^2/NDF:1.0/3

+ sign -0.010+/-0.013 χ^2/NDF: 15.2/20

All: -0.015+/-0.009 χ^2/NDF: 32.1/42

- sign -0.021+/-0.013 χ^2/NDF: 16.5/21

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: 40.148+/-0.015 χ^2/NDF:200859.2/4

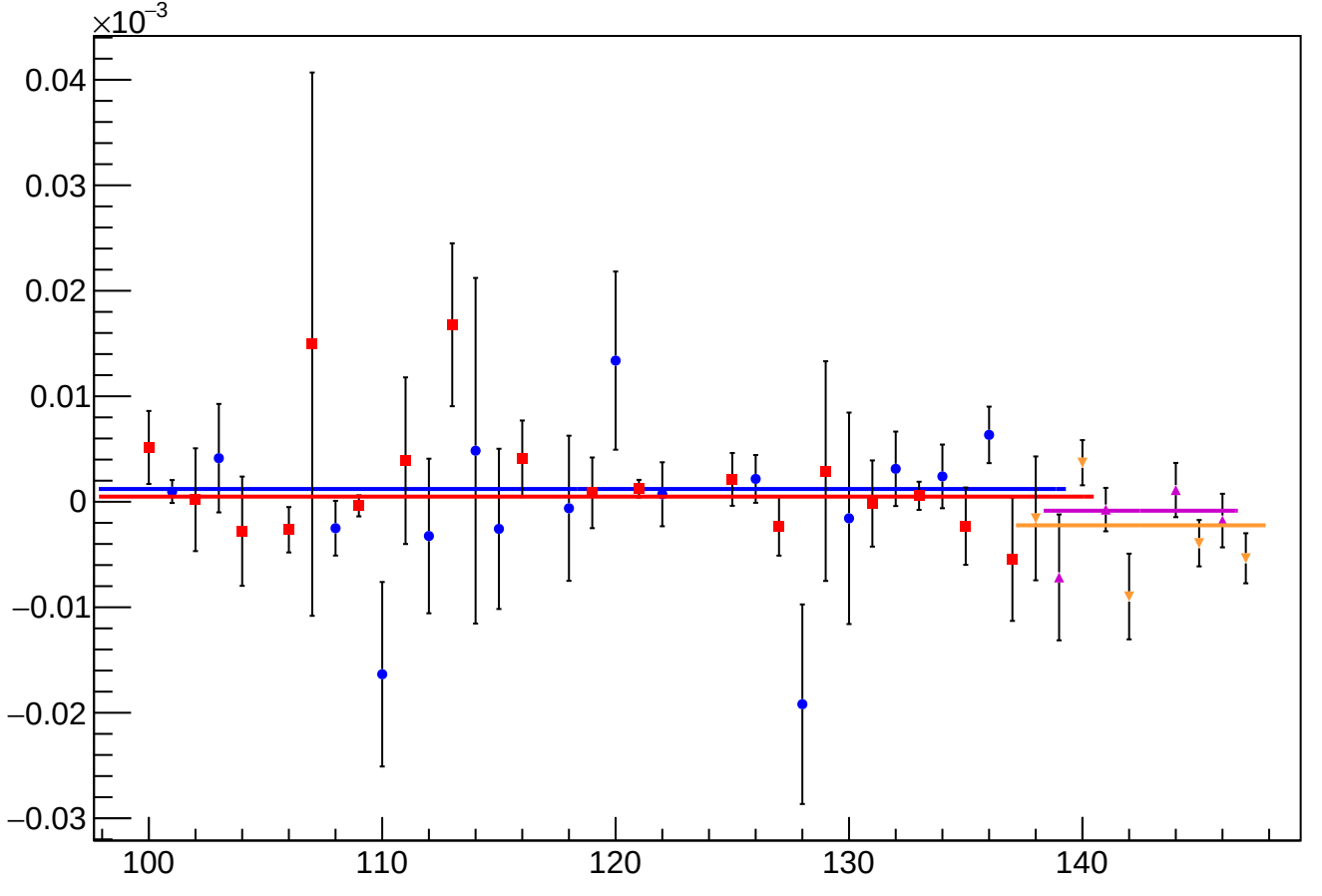
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.753+/-0.015 χ^2/NDF:28277.9/3

+ sign 40.869+/-0.009 χ^2/NDF: 339433.6/20

All: 40.740+/-0.006 χ^2/NDF: 469436.7/42

- sign 40.615+/-0.009 χ^2/NDF: 129602.7/21



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/4

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

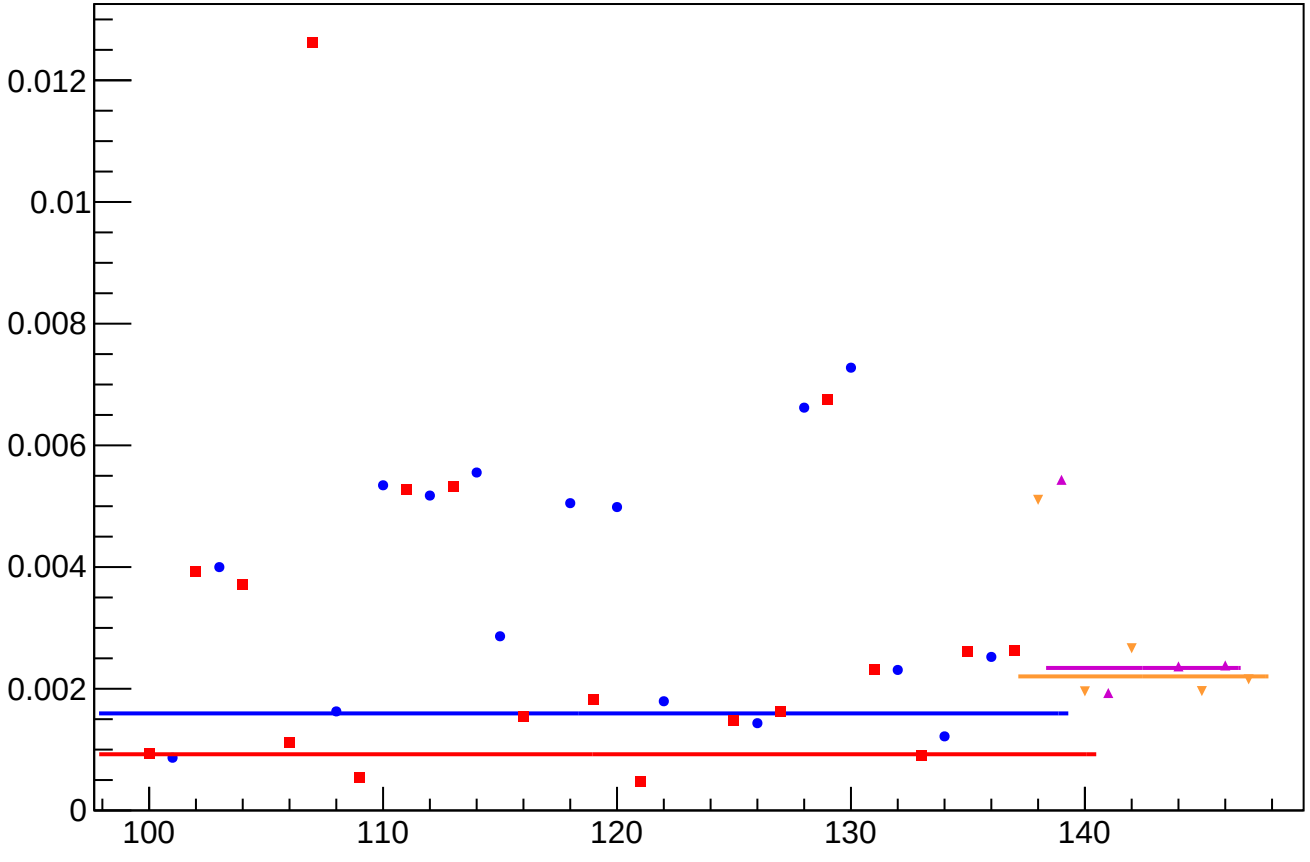
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/20

All: 0.000+/-0.000 χ^2/NDF: 54.8/42

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21

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:565994.7/4

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

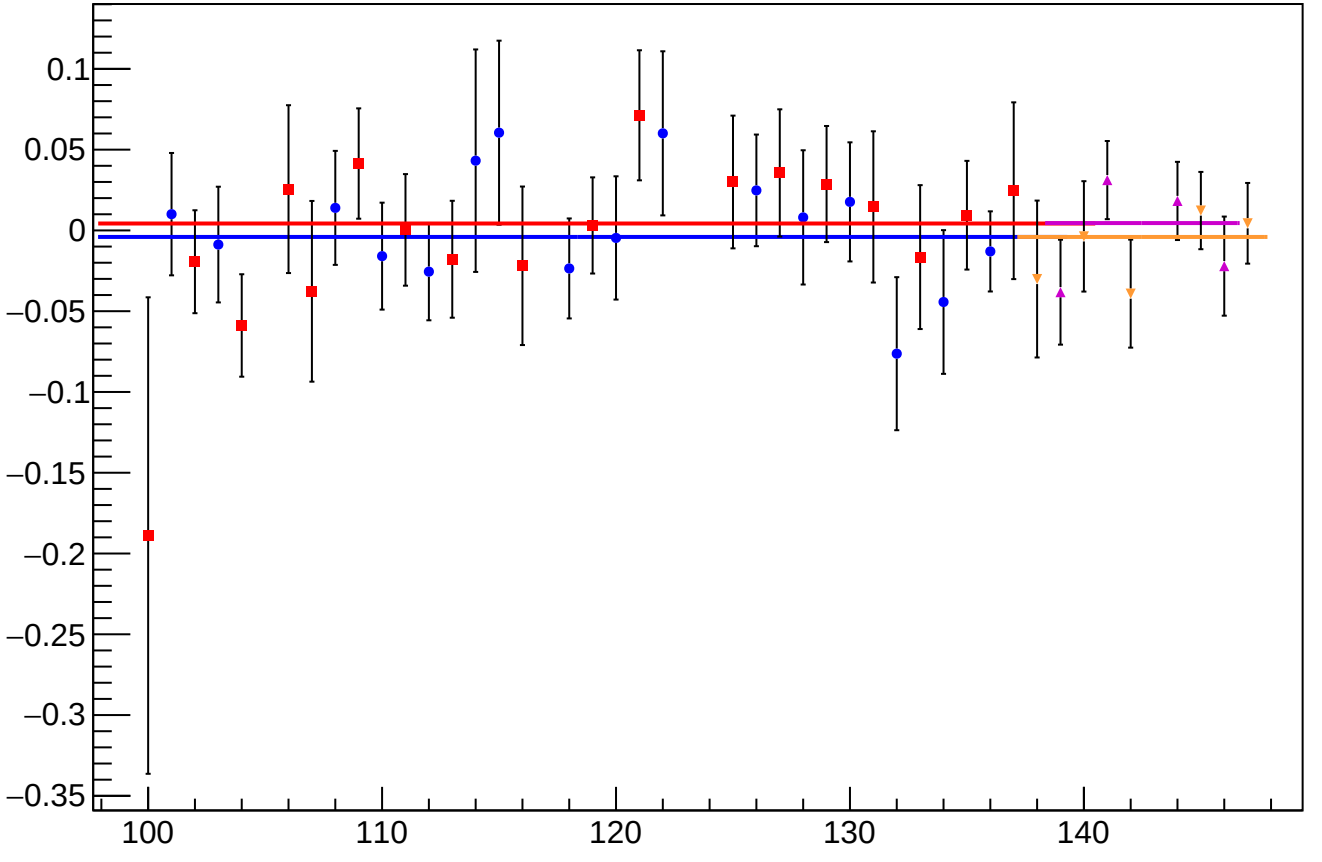
Left In: 0.002+/-0.000 χ^2/NDF:617695.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 5696474.1/20

All: 0.001+/-0.000 χ^2/NDF: 15536209.9/42

- sign 0.001+/-0.000 χ^2/NDF: 8409786.9/21

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

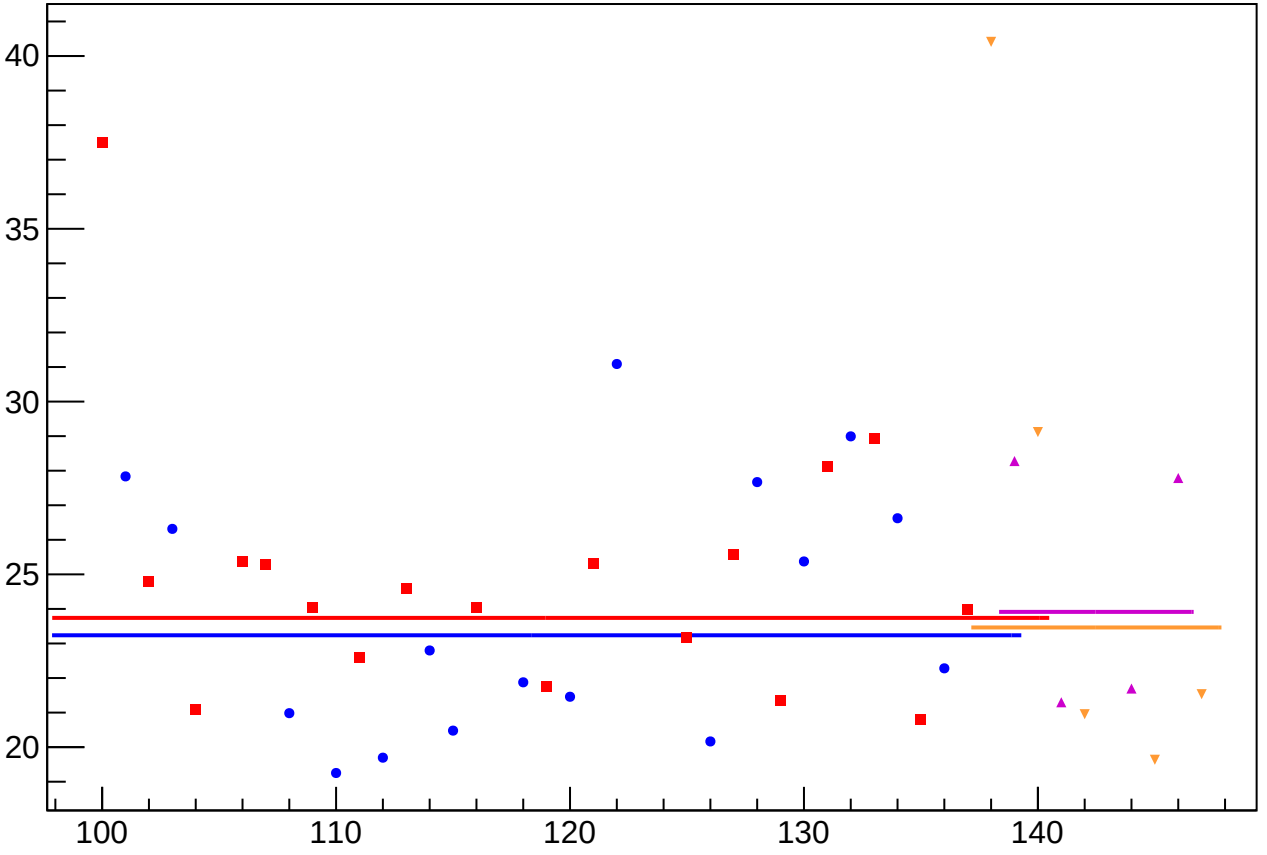
Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.004+/-0.008 χ^2/NDF: 11.2/20

All: 0.000+/-0.005 χ^2/NDF: 29.3/42

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21

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: 23.463+/-0.010 χ^2/NDF:372788.1/4

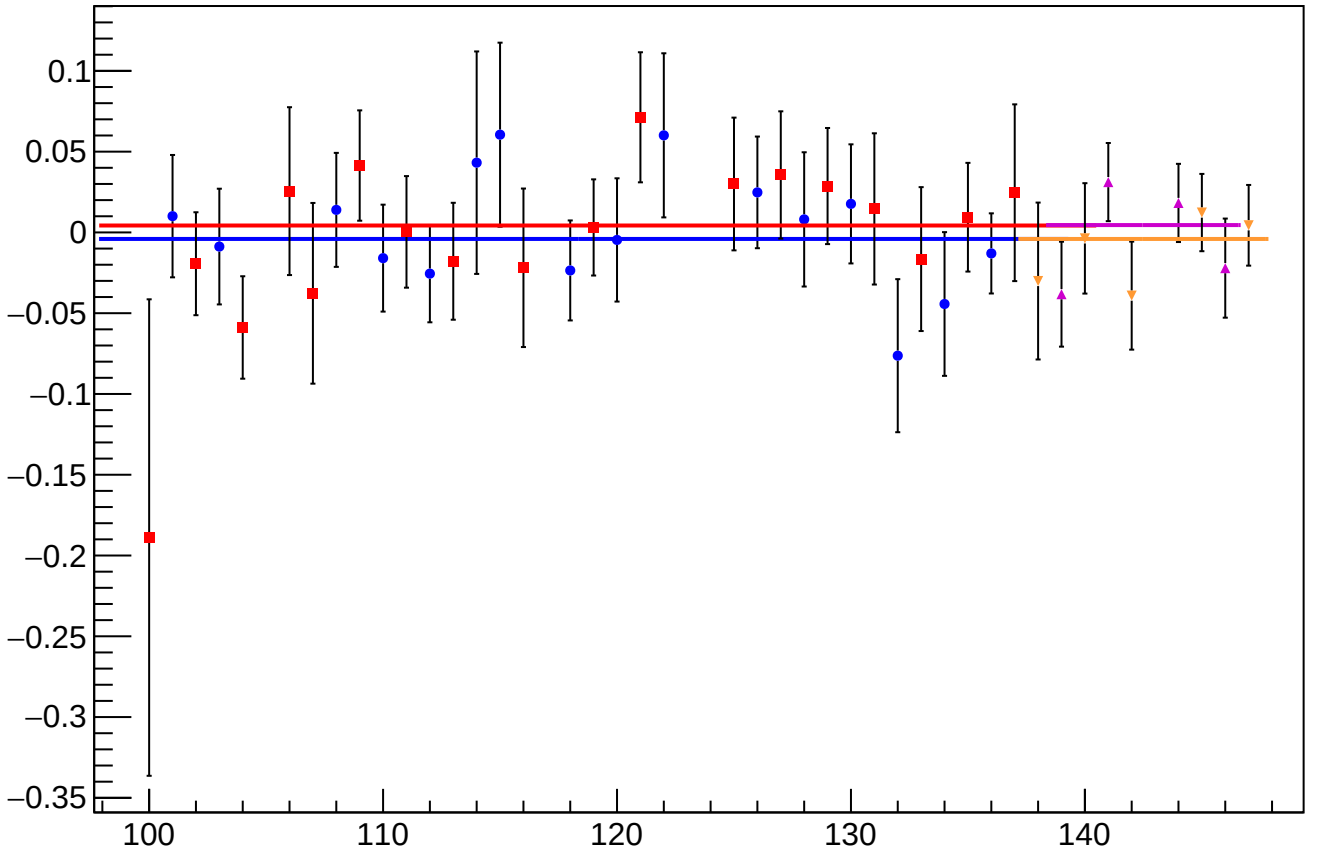
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

+ sign 23.310+/-0.005 χ^2/NDF: 632395.4/20

All: 23.551+/-0.004 χ^2/NDF: 870994.5/42

- sign 23.796+/-0.005 χ^2/NDF: 234564.9/21



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

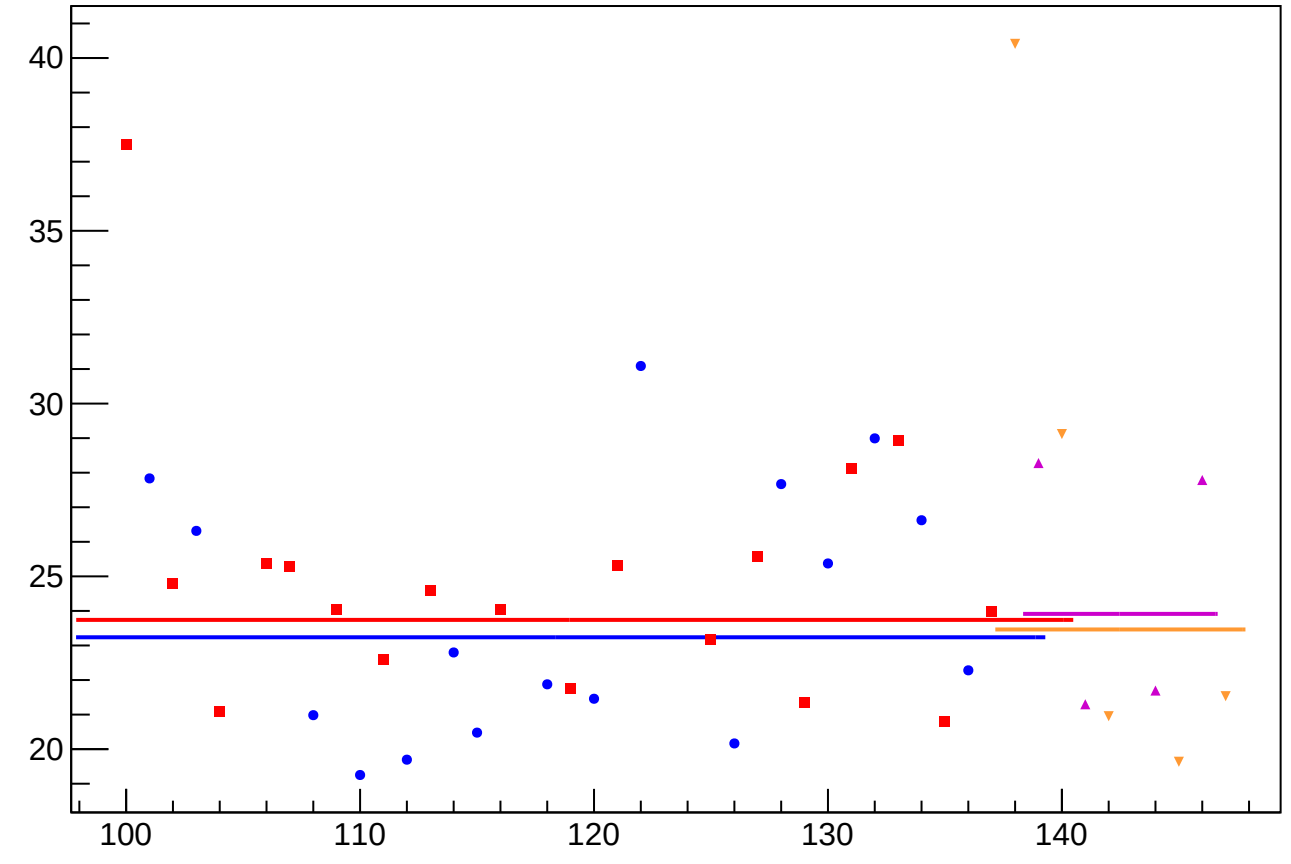
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.004+/-0.008 χ^2/NDF: 11.2/20

All: 0.000+/-0.005 χ^2/NDF: 29.3/42

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21



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

Left Out: 23.463+/-0.010 χ^2/NDF:372788.1/4

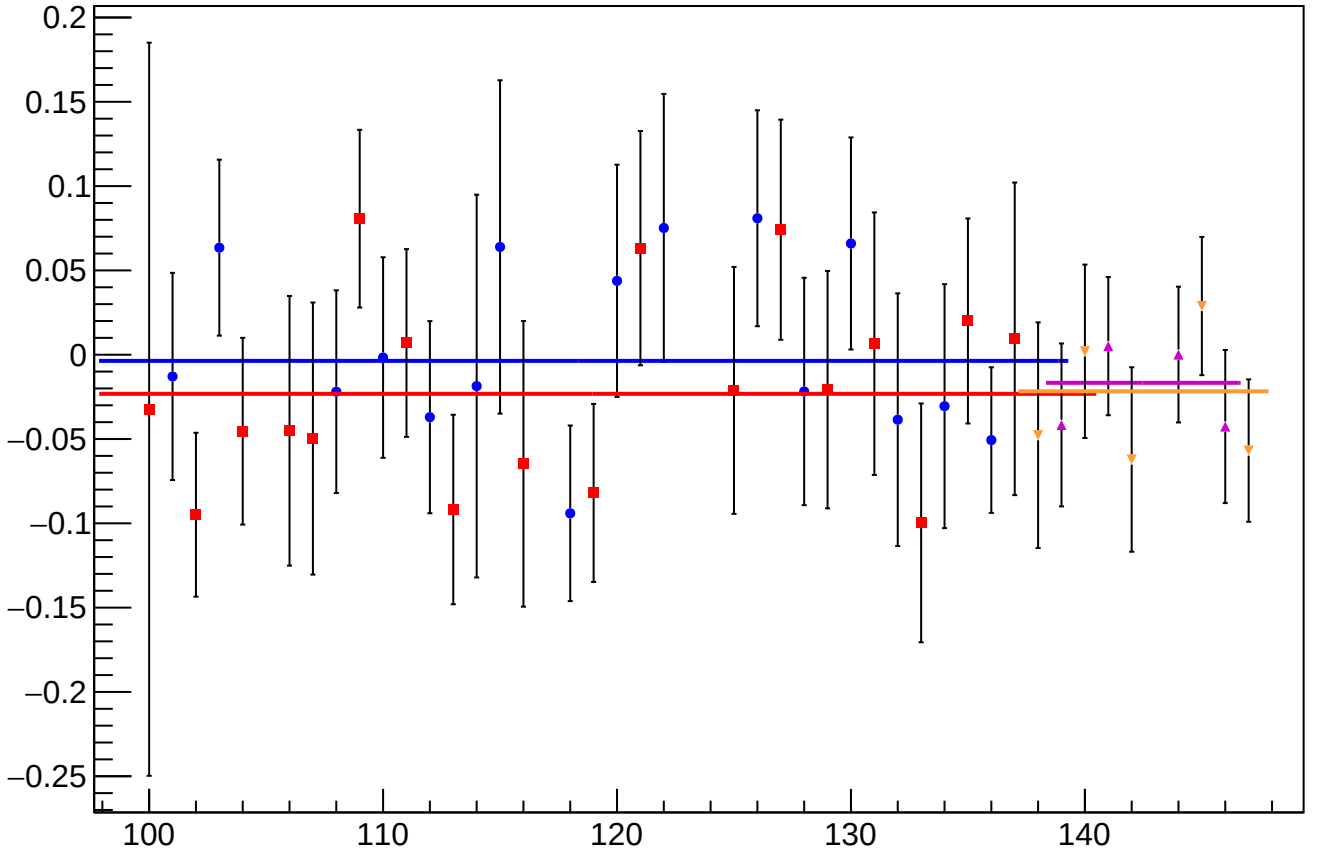
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

+ sign 23.310+/-0.005 χ^2/NDF: 632395.4/20

All: 23.551+/-0.004 χ^2/NDF: 870994.5/42

- sign 23.796+/-0.005 χ^2/NDF: 234564.9/21



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

Left Out: -0.022+/-0.022 χ^2/NDF:3.1/4

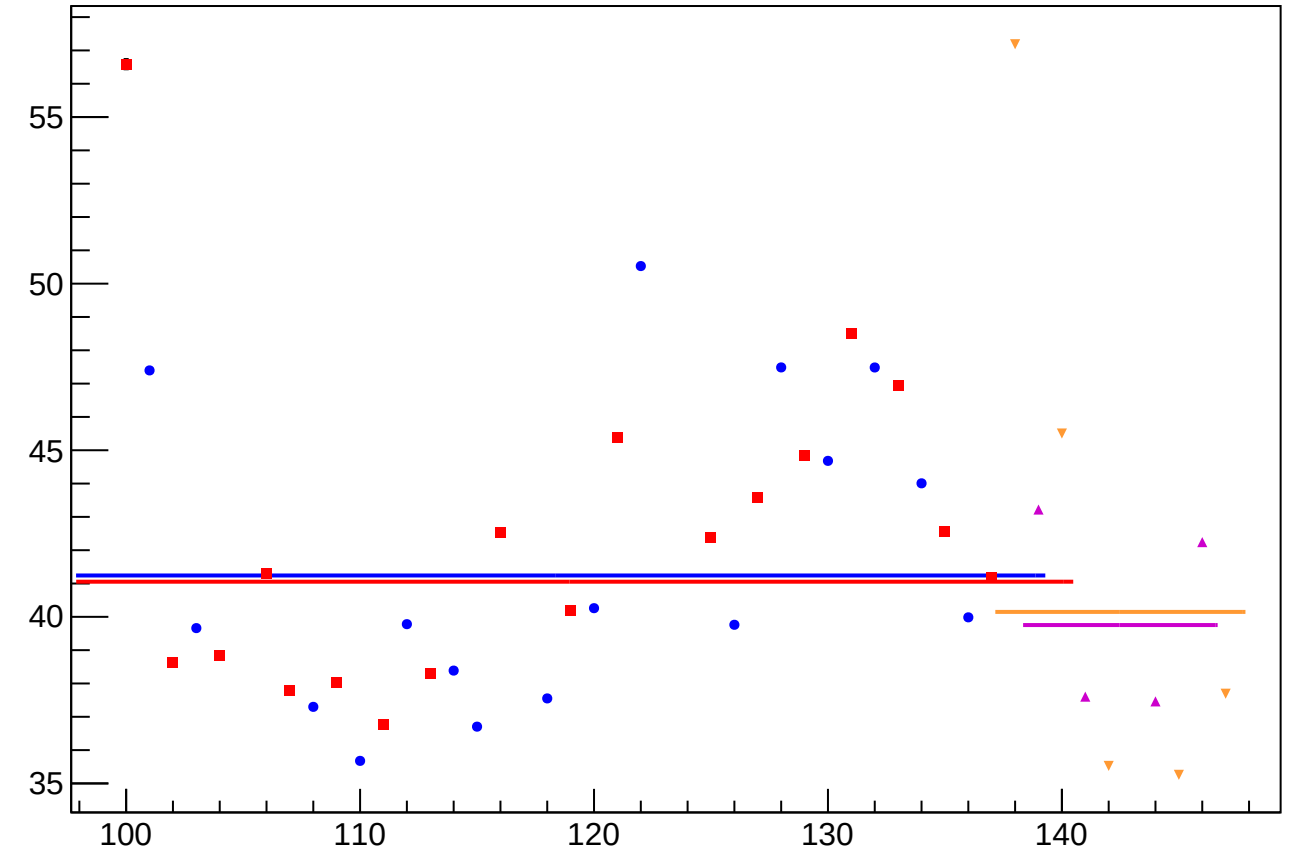
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.017+/-0.022 χ^2/NDF:1.0/3

+ sign -0.010+/-0.013 χ^2/NDF: 15.2/20

All: -0.015+/-0.009 χ^2/NDF: 32.1/42

- sign -0.021+/-0.013 χ^2/NDF: 16.5/21



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

Left Out: 40.148+/-0.015 χ^2/NDF:200858.5/4

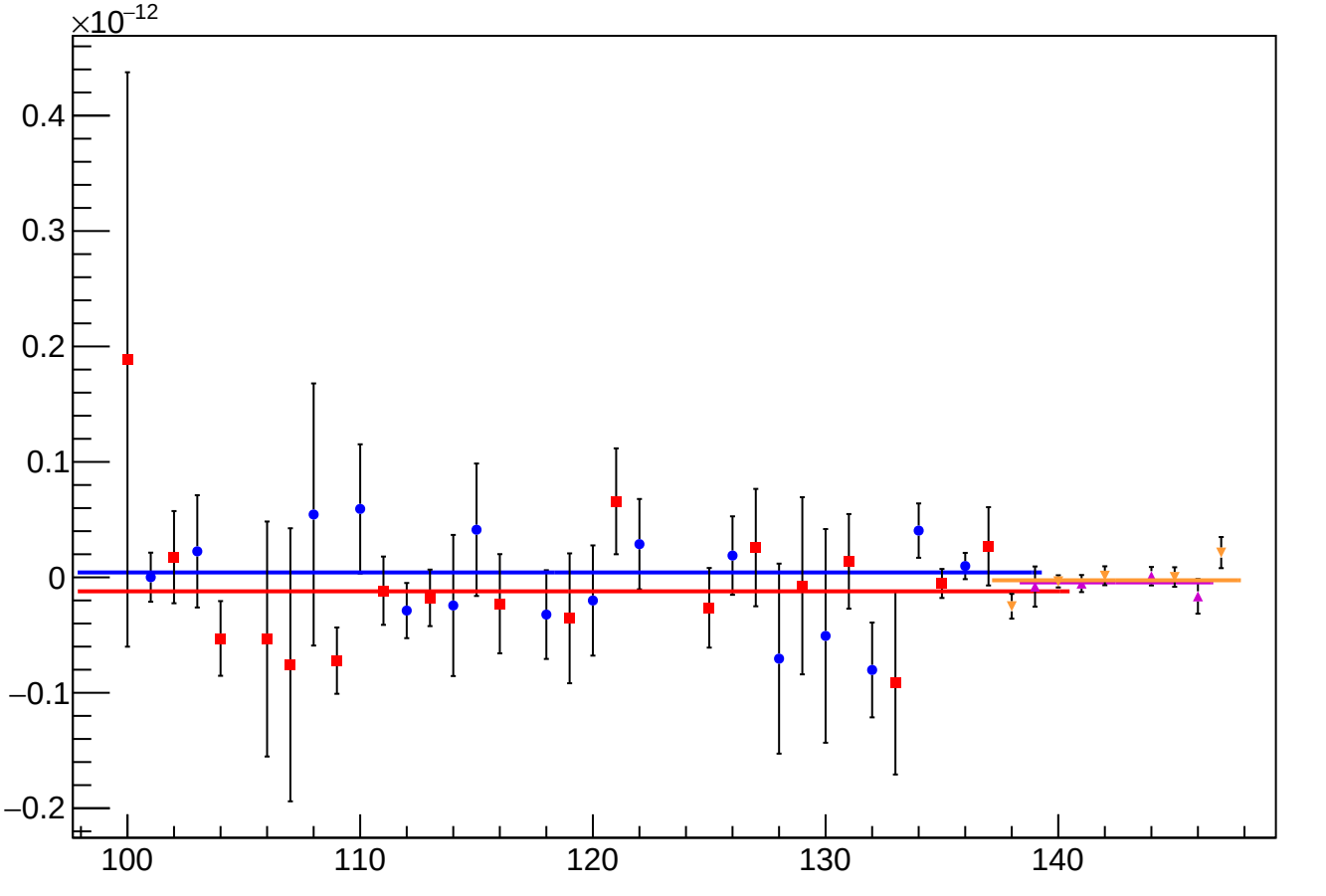
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.754+/-0.015 χ^2/NDF:28282.3/3

\+ sign 40.868+/-0.009 χ^2/NDF: 339408.9/20

All: 40.740+/-0.006 χ^2/NDF: 469403.5/42

\- sign 40.615+/-0.009 χ^2/NDF: 129594.7/21



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

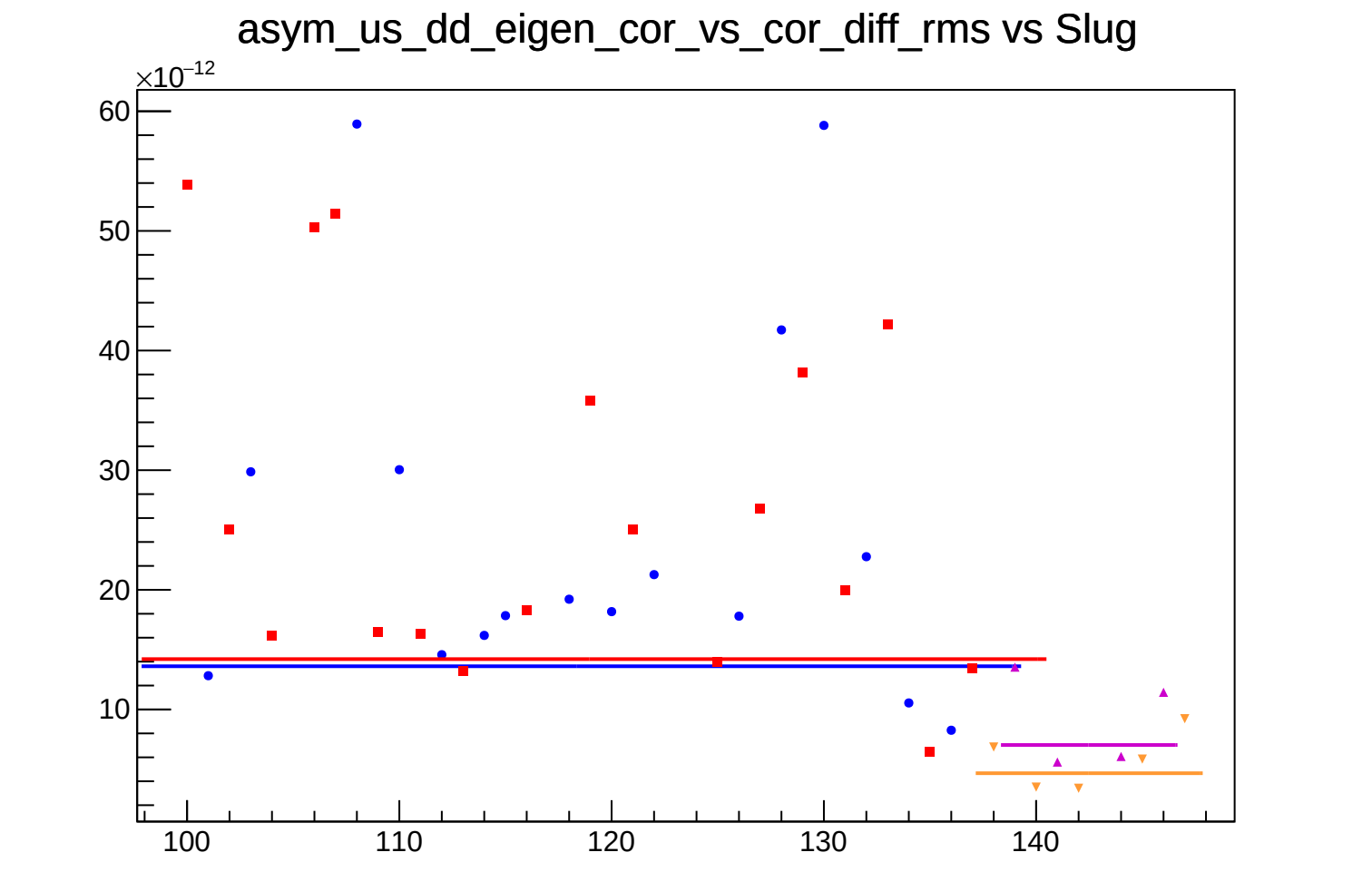
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/42

- sign -0.000+/-0.000 χ^2/NDF: 16.4/21


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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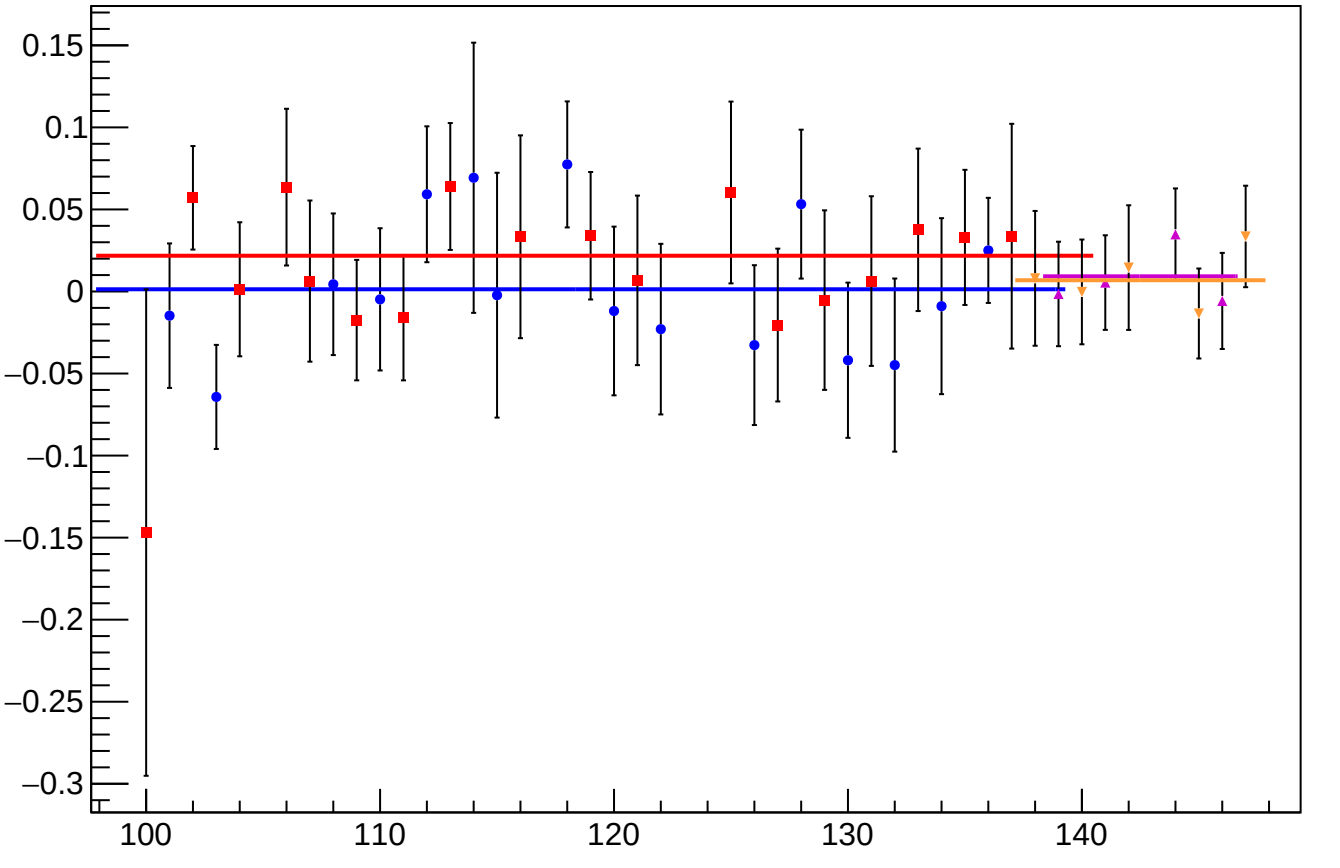
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:495494.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:555039.2/3
+ sign 0.000+/-0.000 χ²/NDF: 5067640.5/20
All: 0.000+/-0.000 χ²/NDF: 9845925.3/42
- sign 0.000+/-0.000 χ²/NDF: 4243767.7/21



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

Left Out: 0.007+/-0.015 χ^2/NDF:1.4/4

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

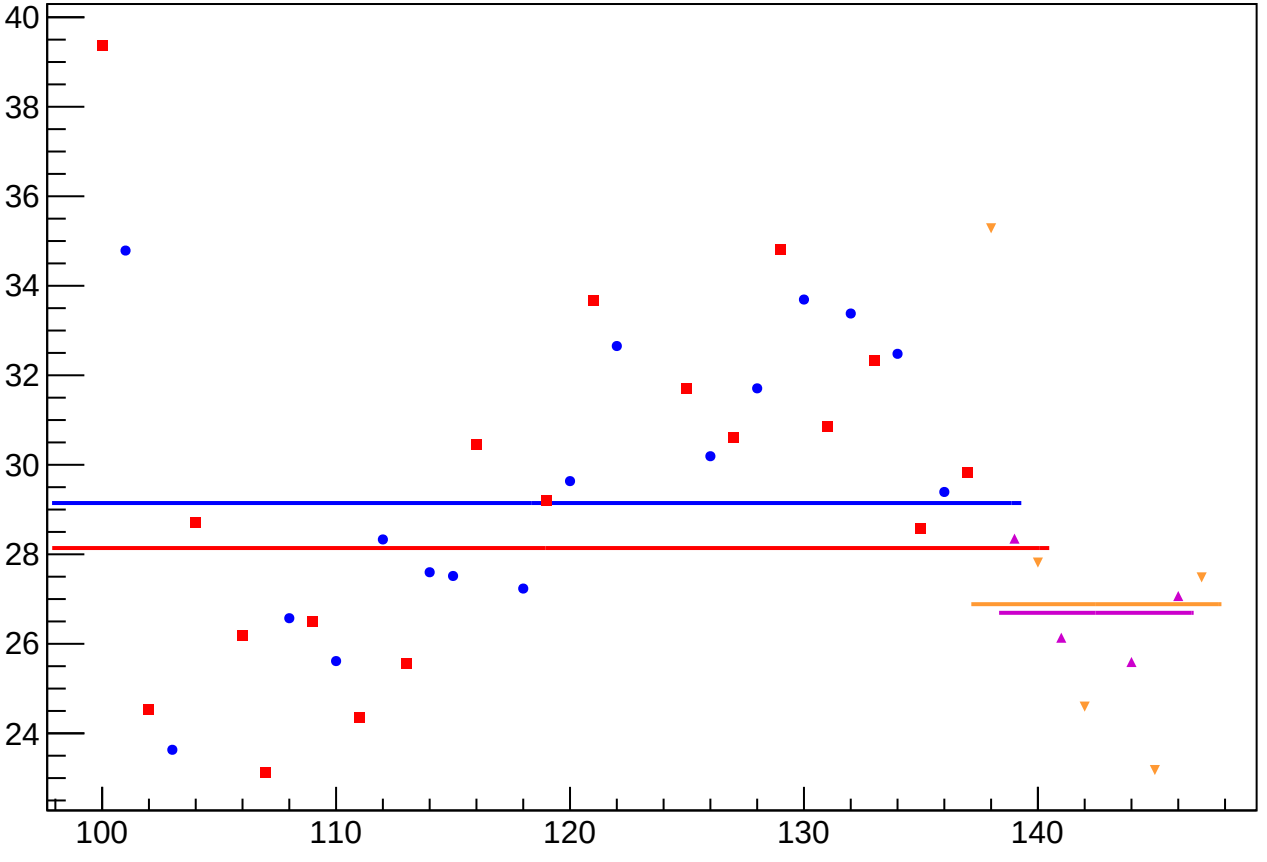
Left In: 0.009+/-0.015 χ^2/NDF:1.2/3

+ sign 0.003+/-0.009 χ^2/NDF: 16.7/20

All: 0.011+/-0.006 χ^2/NDF: 28.8/42

- sign 0.017+/-0.009 χ^2/NDF: 10.7/21

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: 26.886+/-0.010 χ^2/NDF:129886.6/4

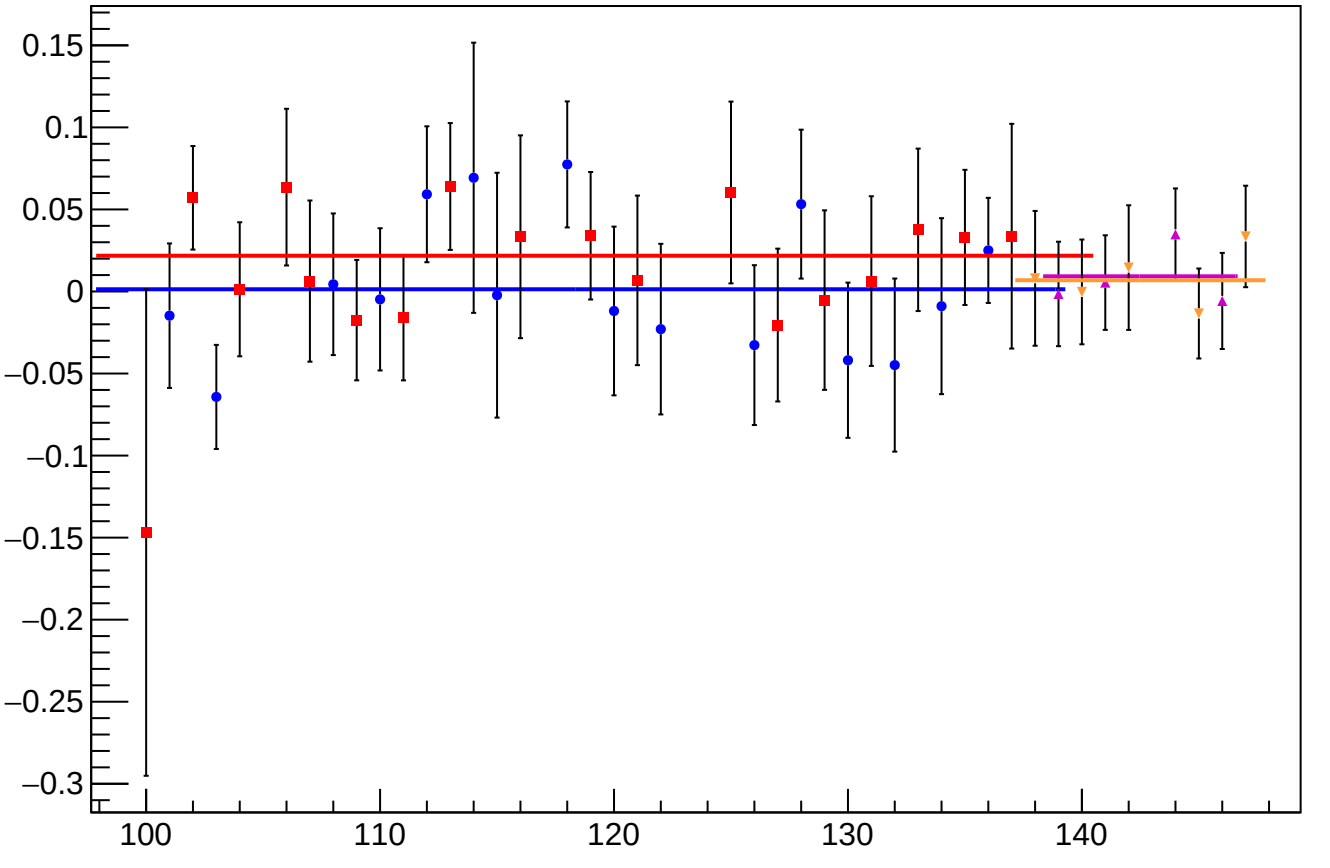
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

+ sign 28.313+/-0.006 χ^2/NDF: 336726.1/20

All: 27.965+/-0.004 χ^2/NDF: 551983.6/42

- sign 27.633+/-0.006 χ^2/NDF: 209304.1/21



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

Left Out: 0.007+/-0.015 χ^2/NDF:1.4/4

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

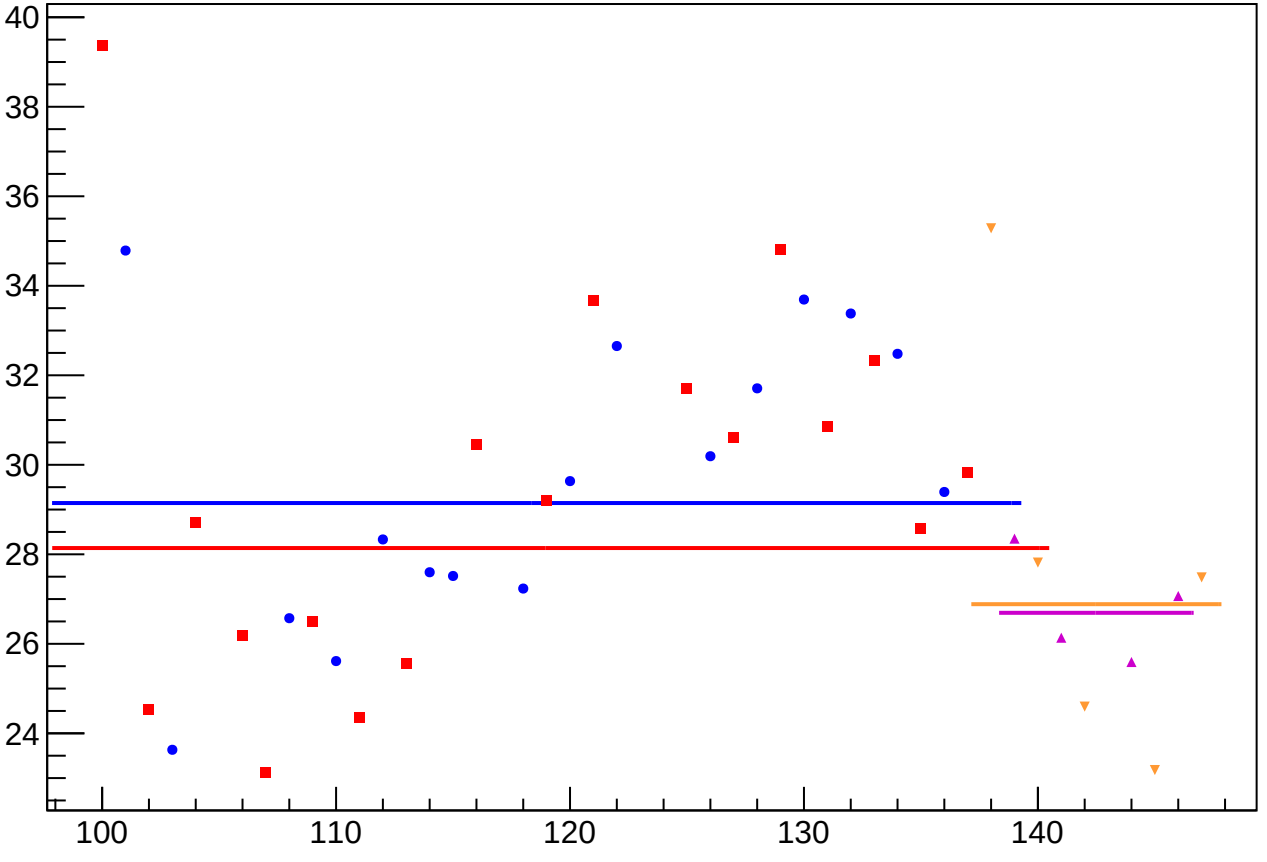
Left In: 0.009+/-0.015 χ^2/NDF:1.2/3

+ sign 0.003+/-0.009 χ^2/NDF: 16.7/20

All: 0.011+/-0.006 χ^2/NDF: 28.8/42

- sign 0.017+/-0.009 χ^2/NDF: 10.7/21

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 26.886+/-0.010 χ^2/NDF:129886.6/4

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

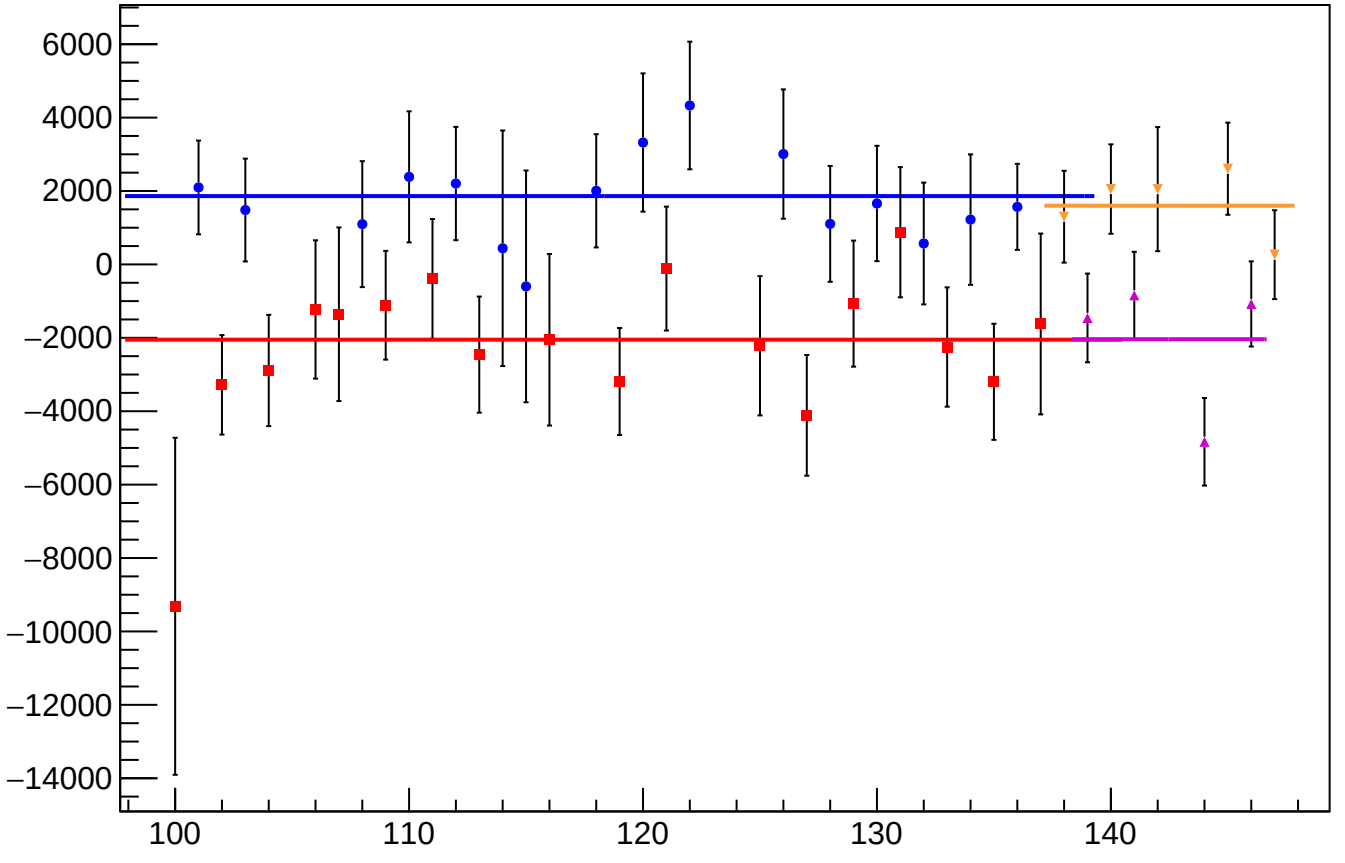
Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

+ sign 28.313+/-0.006 χ^2/NDF: 336726.1/20

All: 27.965+/-0.004 χ^2/NDF: 551983.6/42

- sign 27.633+/-0.006 χ^2/NDF: 209304.1/21

reg_asym_usl_mean vs Slug



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

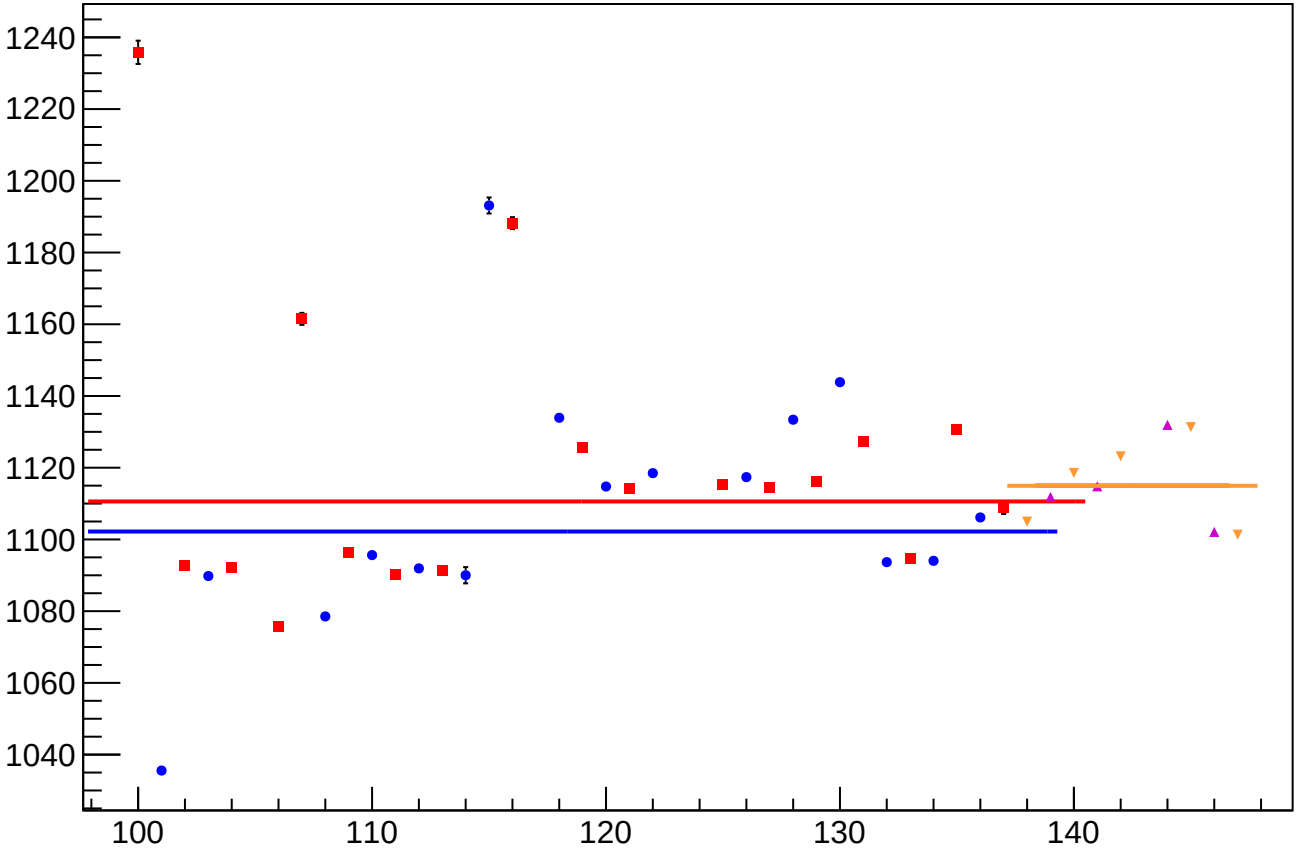
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1774.426+/-334.401 χ^2/NDF: 7.6/20

All: -122.214+/-237.321 χ^2/NDF: 92.4/42

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

reg_asym_usl_rms vs Slug



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

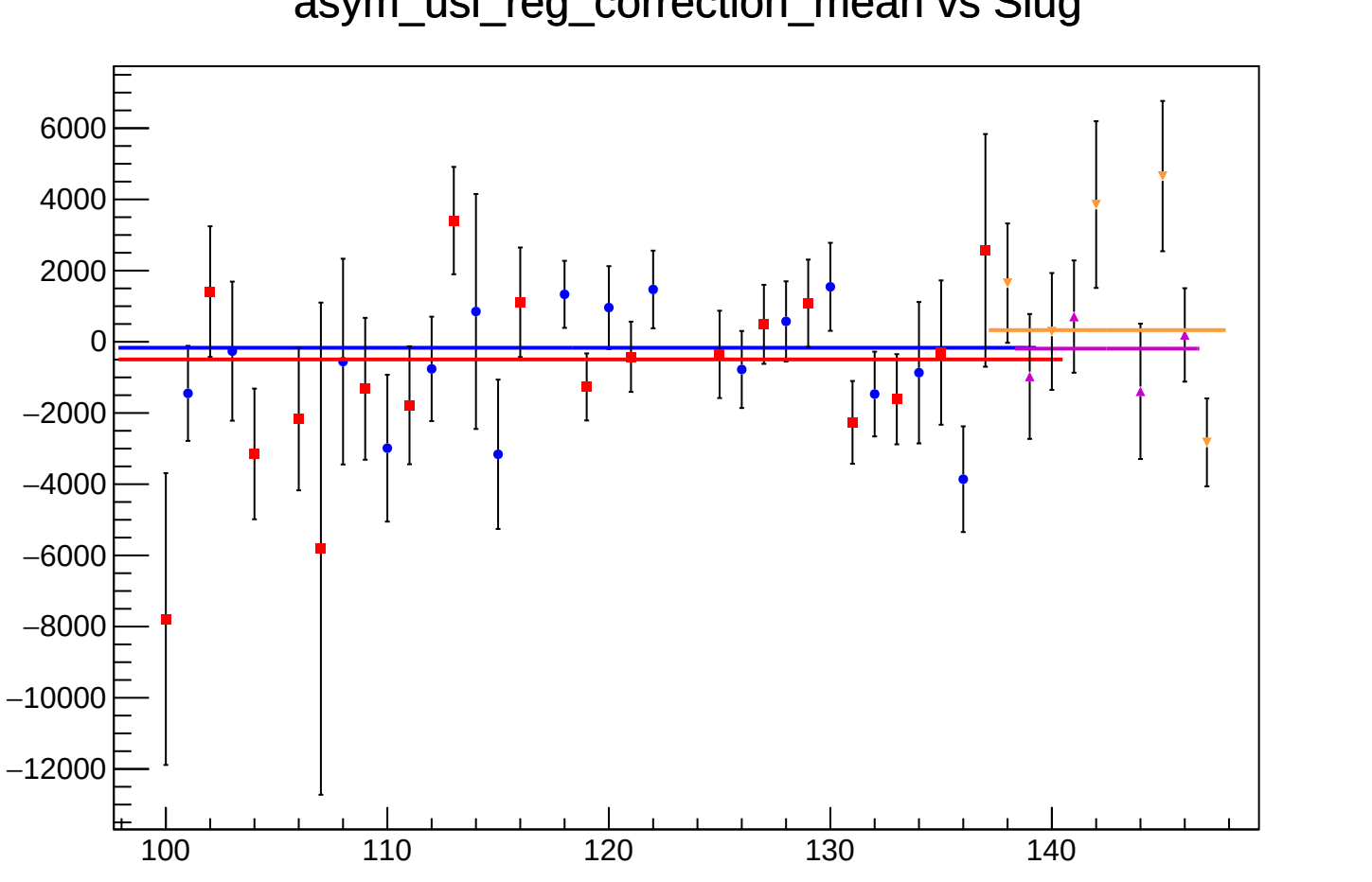
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.453+/-0.236 χ^2/NDF: 12780.4/20

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

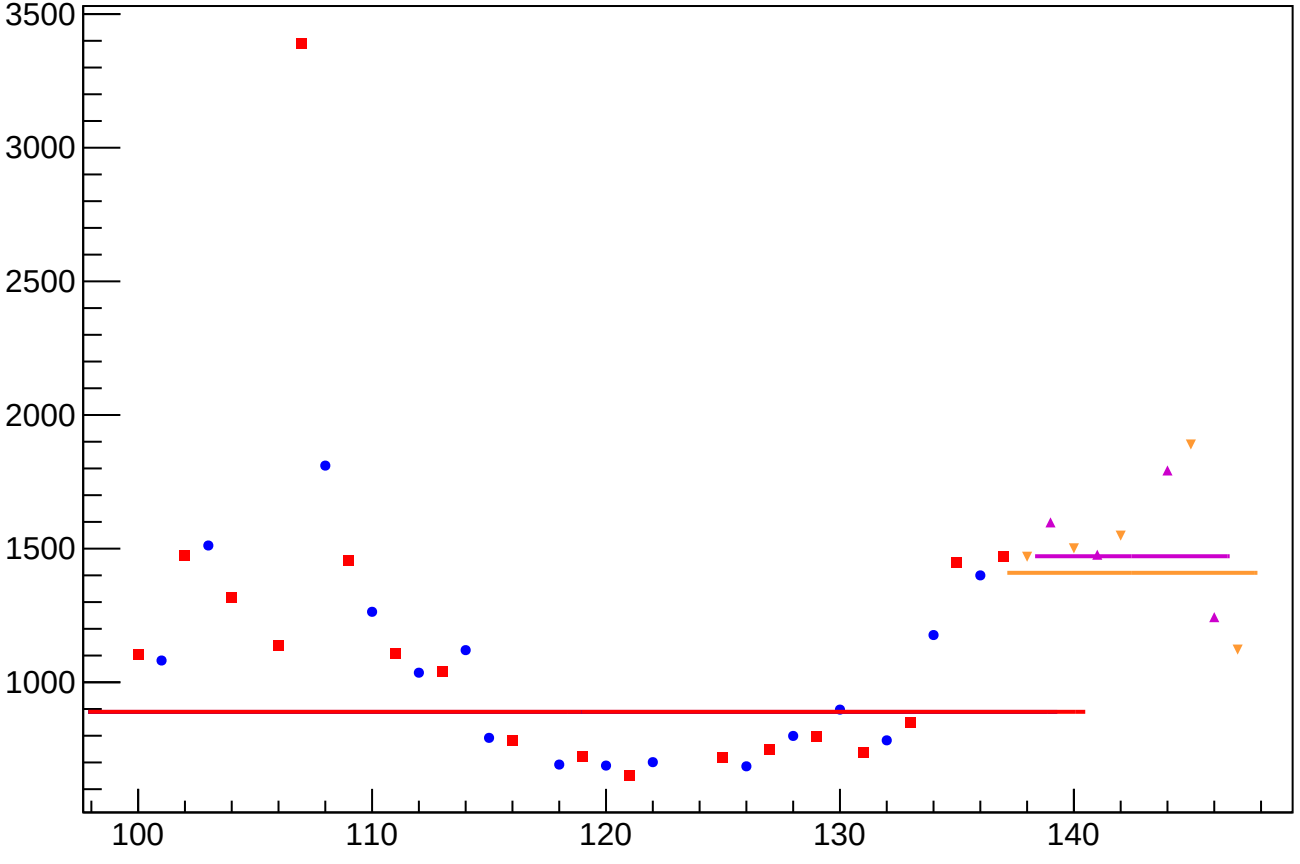
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign -80.511+/-313.571 χ^2/NDF: 35.0/20

All: -262.117+/-222.756 χ^2/NDF: 60.1/42

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

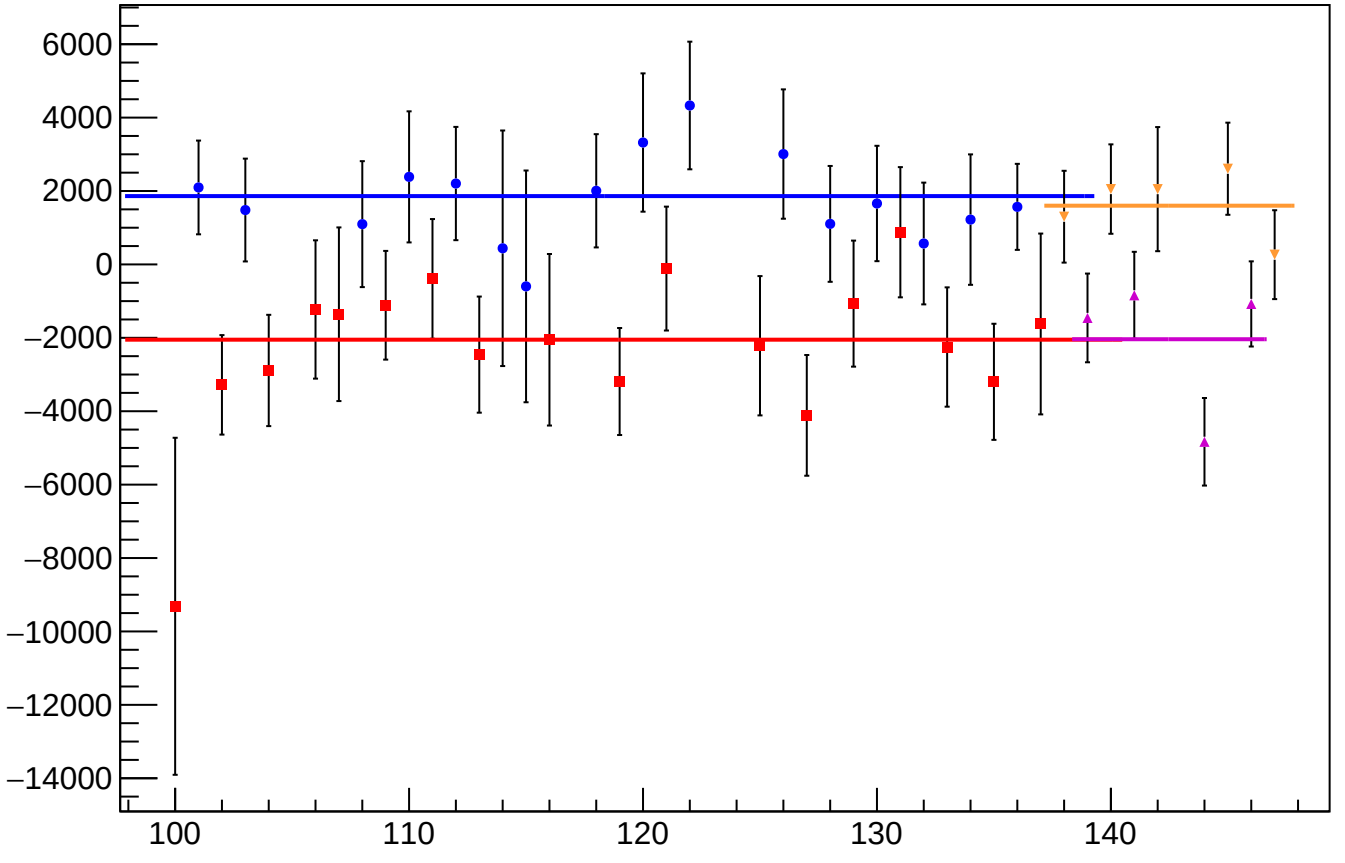
Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 980.578+/-0.222 χ^2/NDF: 2159794.4/20

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21

cor_asym_usl_mean vs Slug



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

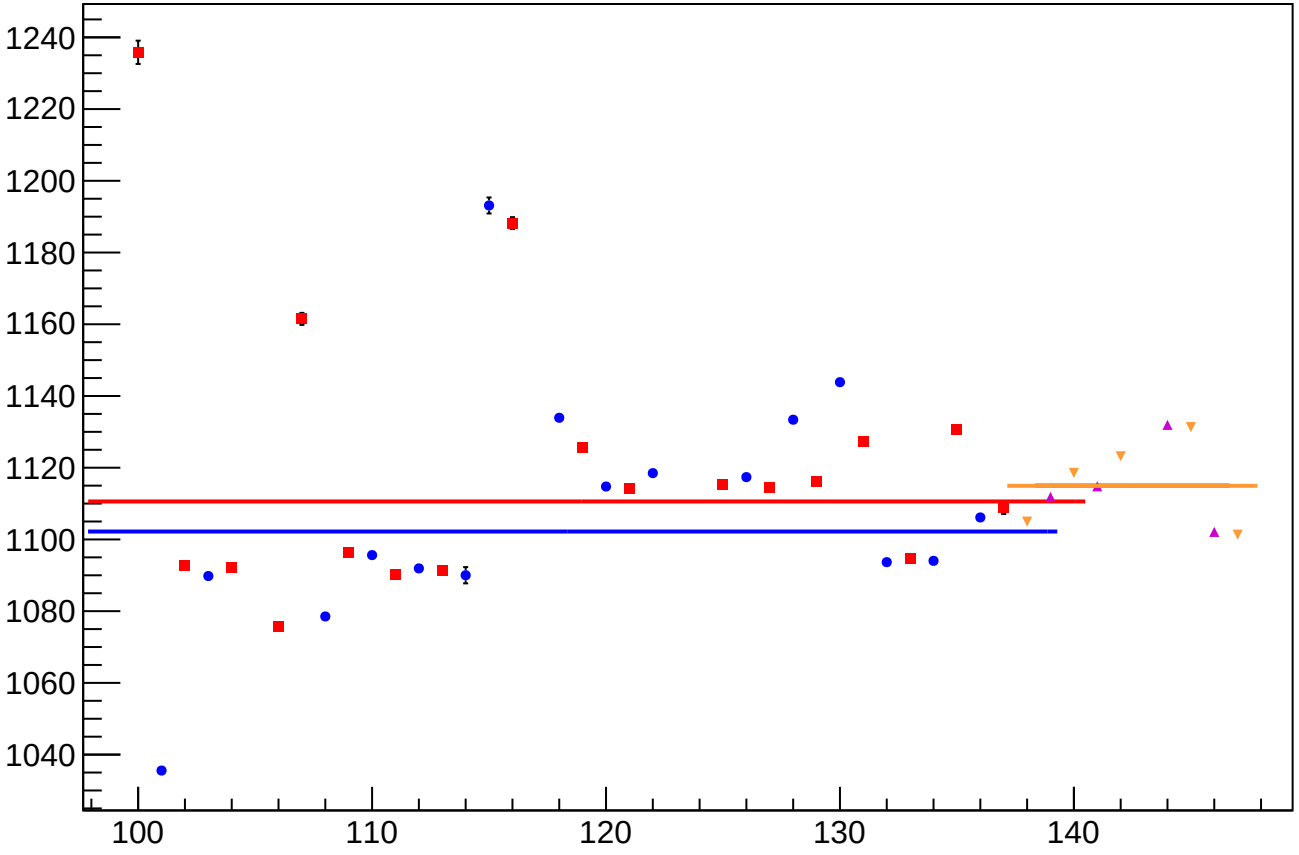
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1774.426+/-334.401 χ^2/NDF: 7.6/20

All: -122.214+/-237.321 χ^2/NDF: 92.4/42

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

cor_asym_usl_rms vs Slug



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

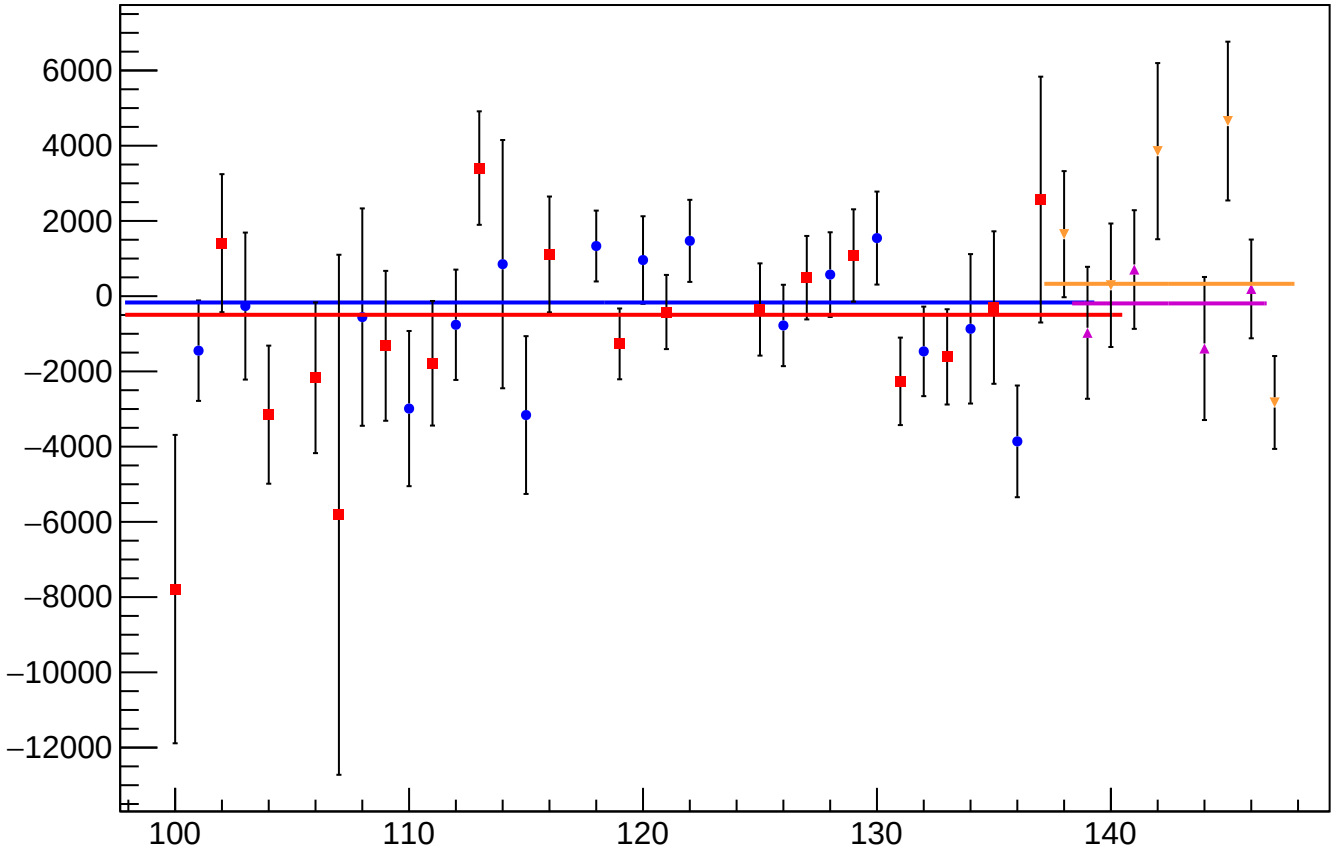
Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.453+/-0.236 χ^2/NDF: 12780.4/20

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21

asym_usl_cor_correction_mean vs Slug



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

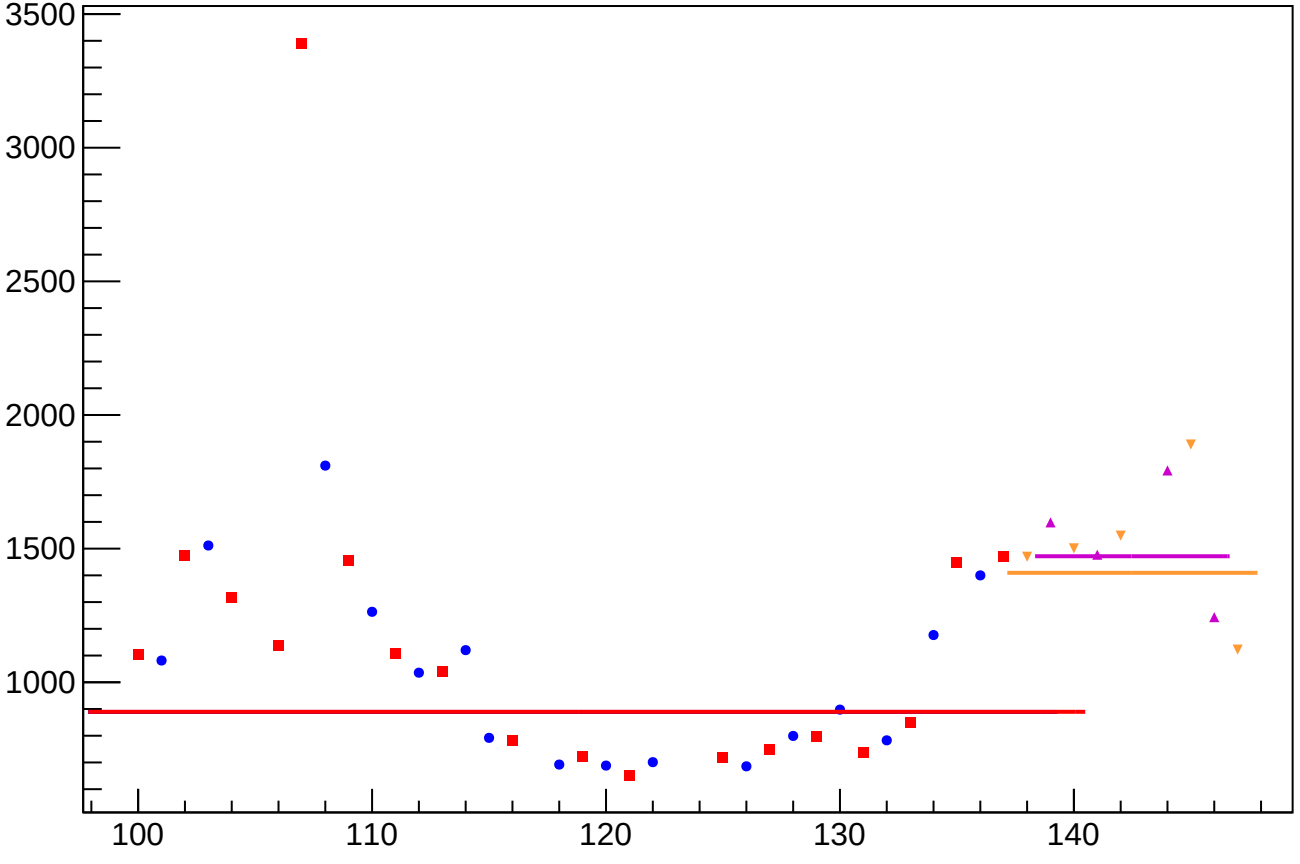
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign -80.511+/-313.571 χ^2/NDF: 35.0/20

All: -262.117+/-222.756 χ^2/NDF: 60.1/42

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

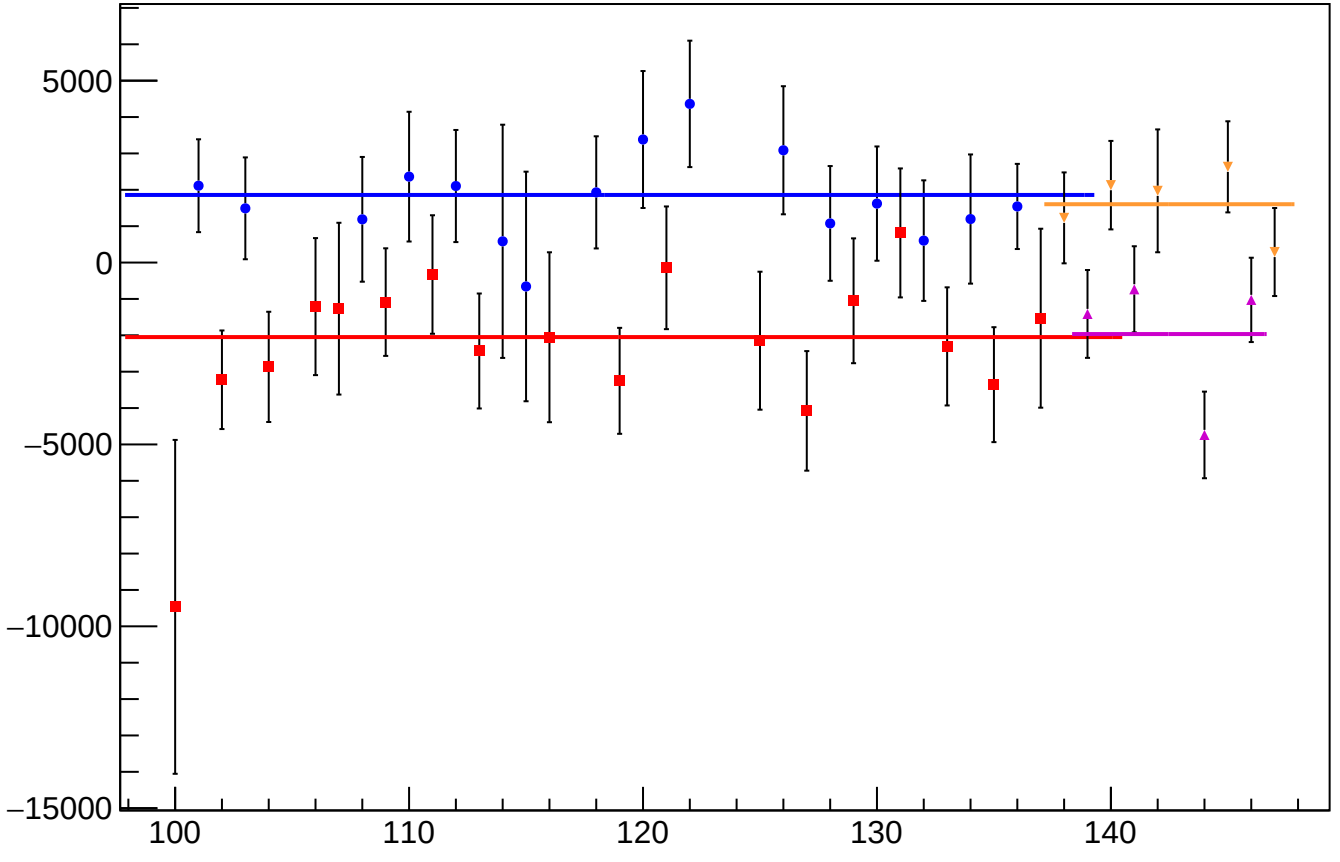
Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 980.578+/-0.222 χ^2/NDF: 2159794.4/20

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1603.670+/-578.542 χ^2/NDF:2.2/4

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

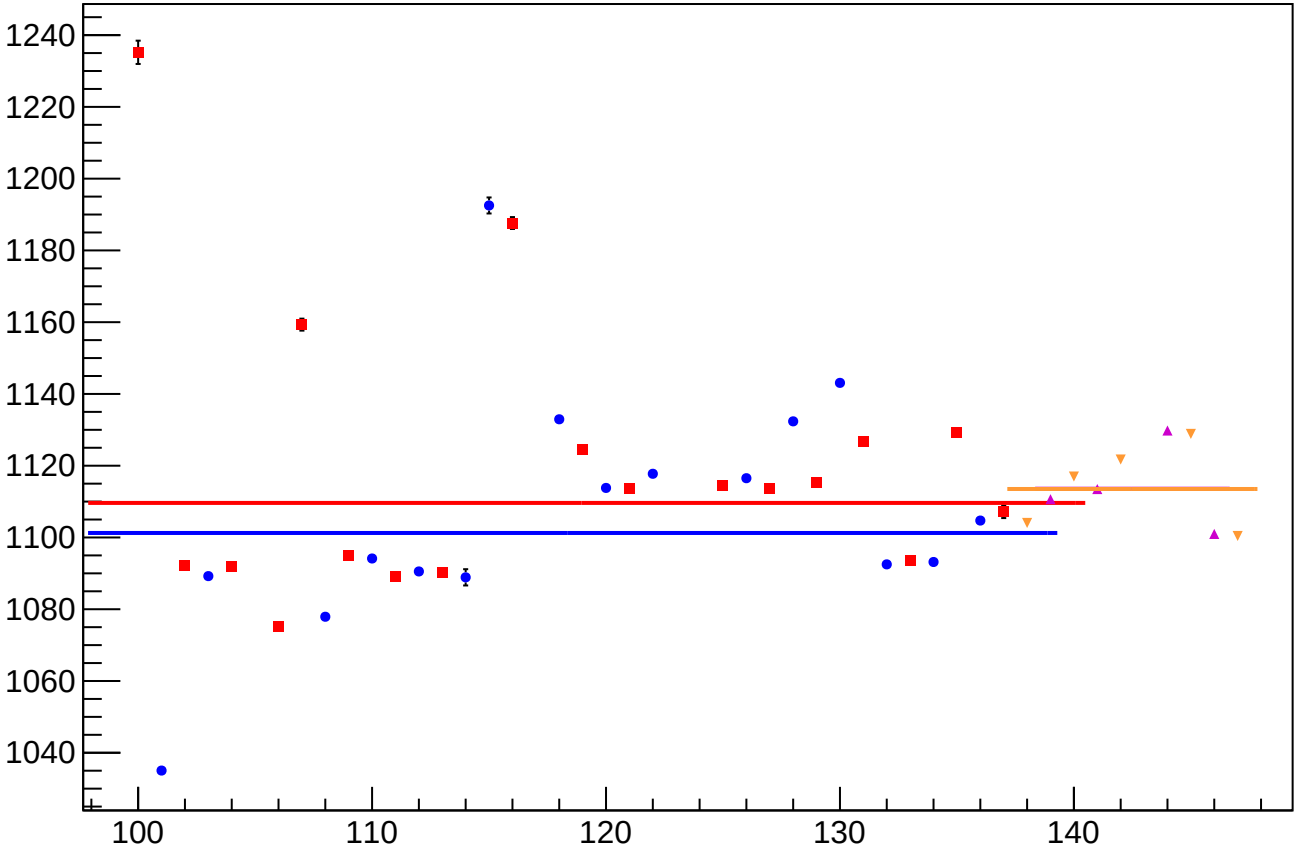
Left In: -1965.388+/-592.413 χ^2/NDF:7.4/3

+ sign 1773.656+/-334.064 χ^2/NDF: 7.7/20

All: -110.184+/-237.082 χ^2/NDF: 91.9/42

- sign -2021.800+/-336.518 χ^2/NDF: 20.1/21

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1113.513+/-0.409 χ^2/NDF:713.1/4

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

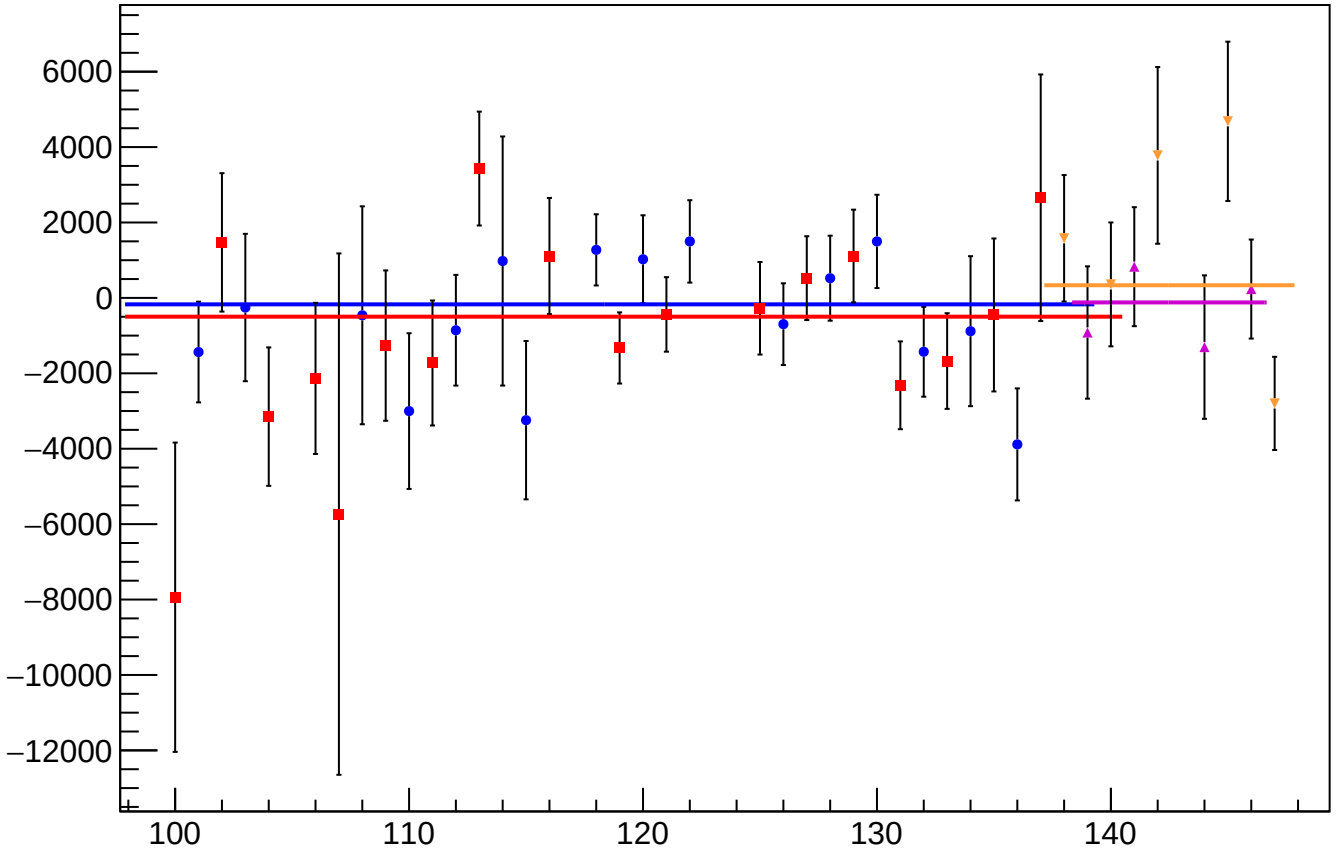
Left In: 1113.586+/-0.419 χ^2/NDF:619.1/3

+ sign 1105.342+/-0.236 χ^2/NDF: 12619.9/20

All: 1108.103+/-0.168 χ^2/NDF: 21247.9/42

- sign 1110.905+/-0.238 χ^2/NDF: 8352.6/21

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: 335.709+/-747.960 χ^2/NDF:13.4/4

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

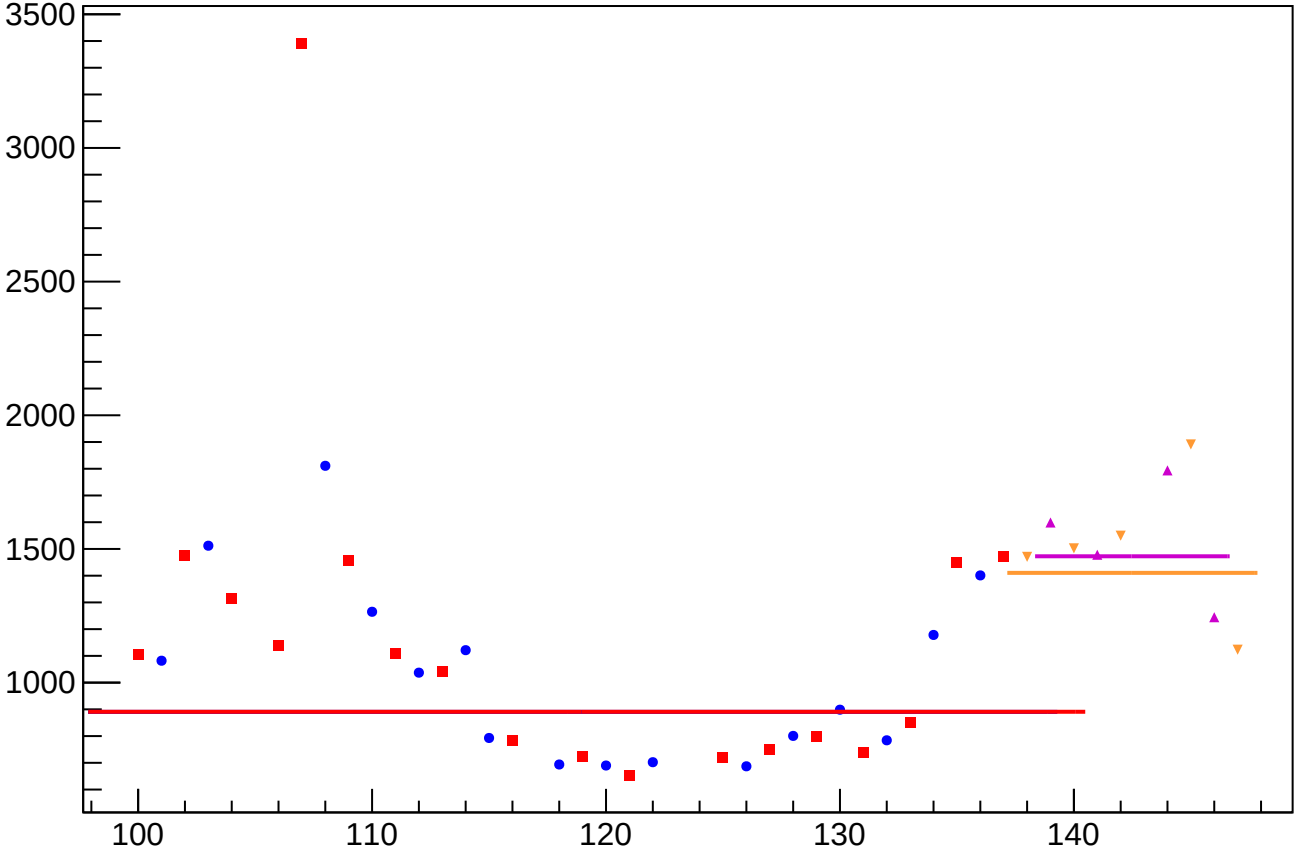
Left In: -119.811+/-795.099 χ^2/NDF:1.0/3

+ sign -81.633+/-314.013 χ^2/NDF: 34.7/20

All: -258.110+/-223.064 χ^2/NDF: 60.5/42

- sign -437.876+/-316.926 χ^2/NDF: 25.1/21

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1410.539+/-0.529 χ^2/NDF:227549.2/4

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

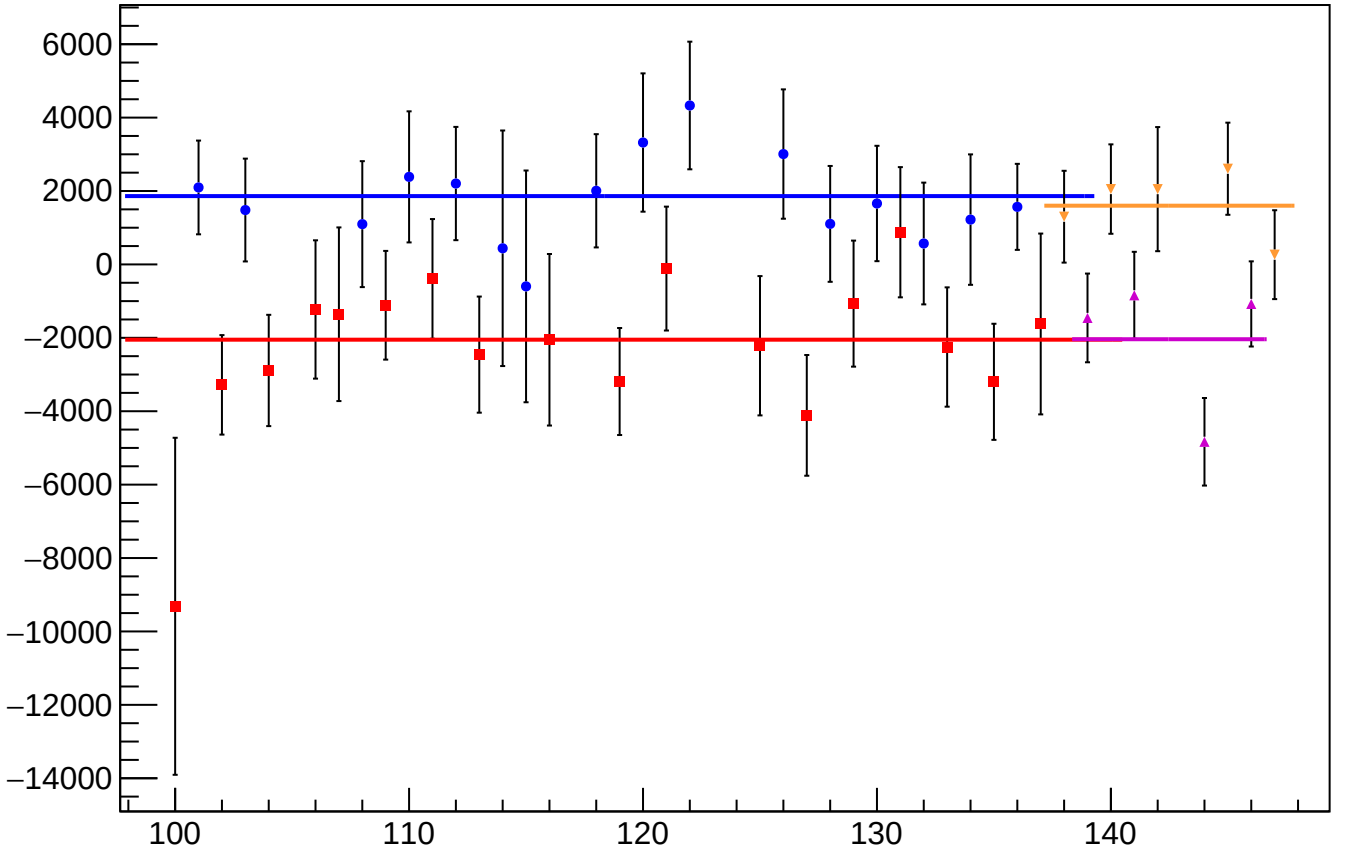
Left In: 1472.577+/-0.562 χ^2/NDF:127631.4/3

+ sign 982.155+/-0.222 χ^2/NDF: 2152718.1/20

All: 982.747+/-0.158 χ^2/NDF: 4522393.6/42

- sign 983.350+/-0.224 χ^2/NDF: 2369661.1/21

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

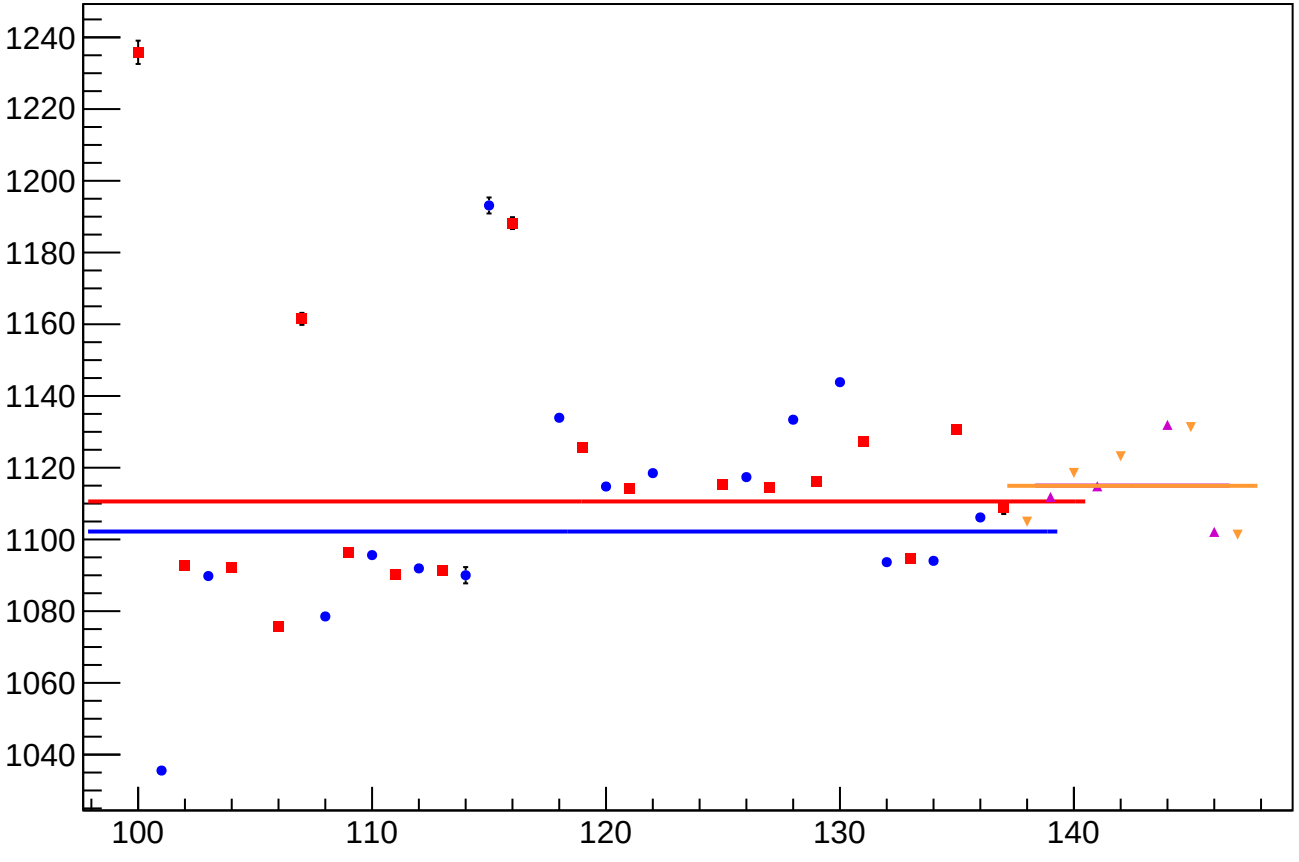
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1774.426+/-334.401 χ^2/NDF: 7.6/20

All: -122.214+/-237.321 χ^2/NDF: 92.4/42

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

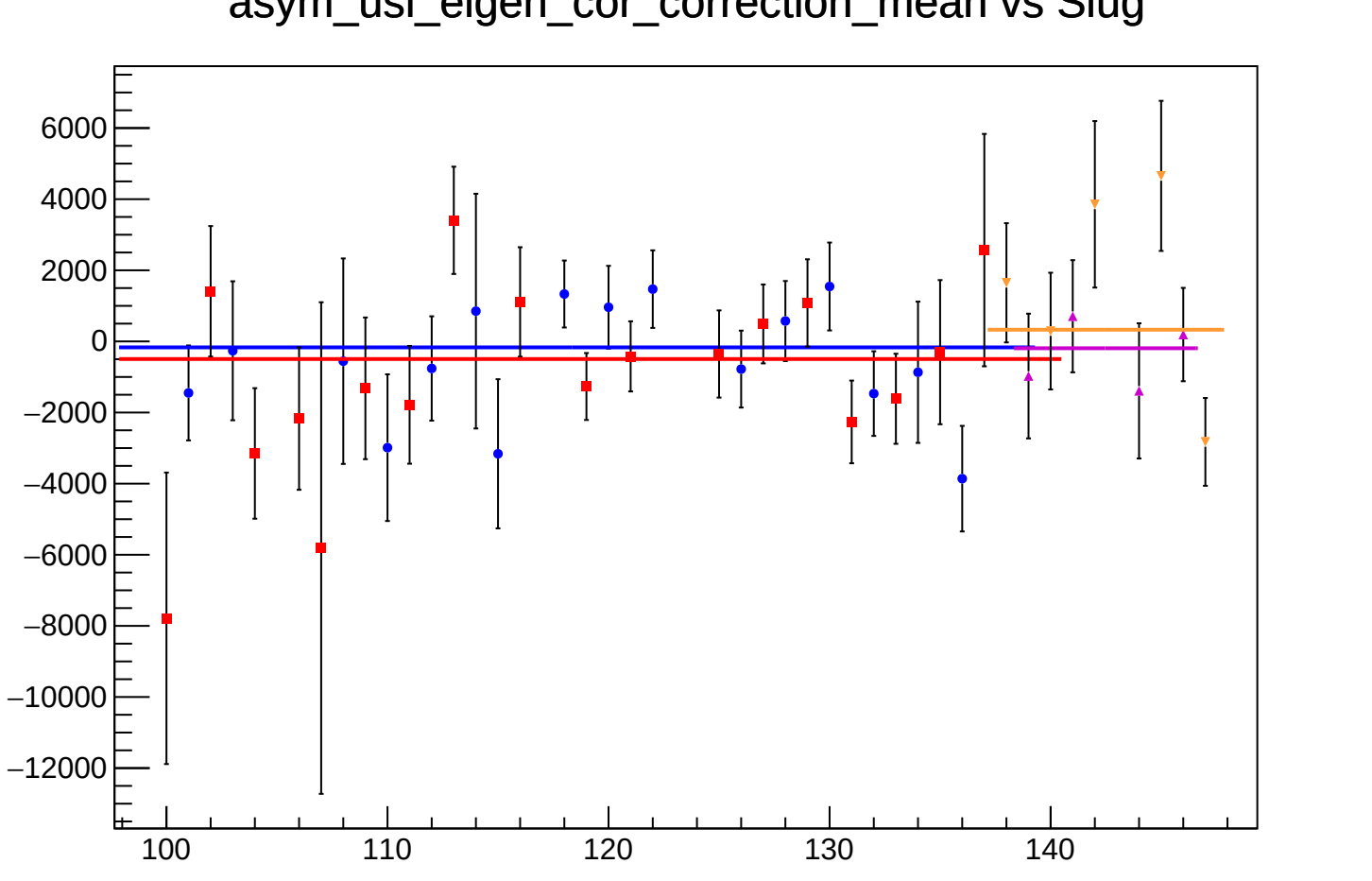
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.453+/-0.236 χ^2/NDF: 12780.4/20

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

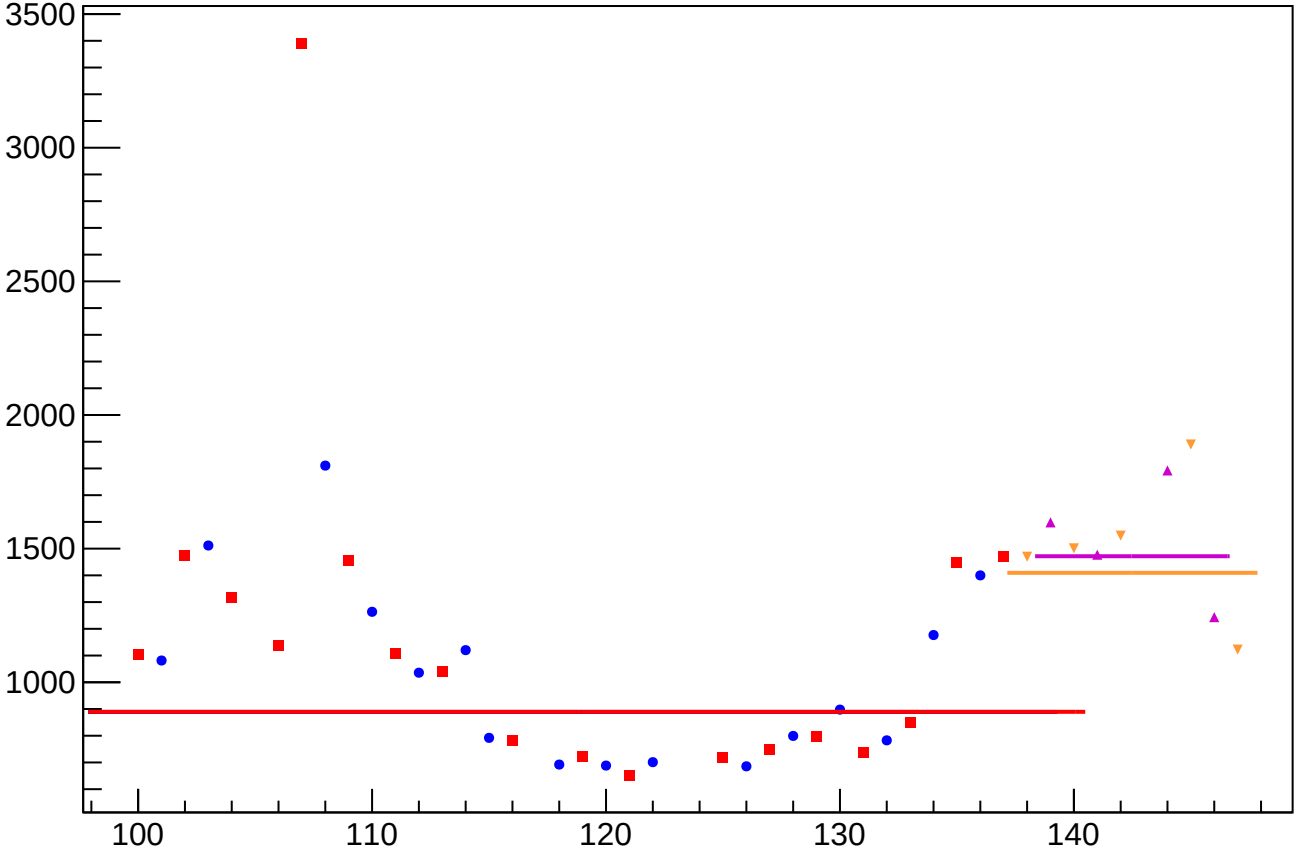
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign -80.511+/-313.571 χ^2/NDF: 35.0/20

All: -262.117+/-222.756 χ^2/NDF: 60.1/42

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

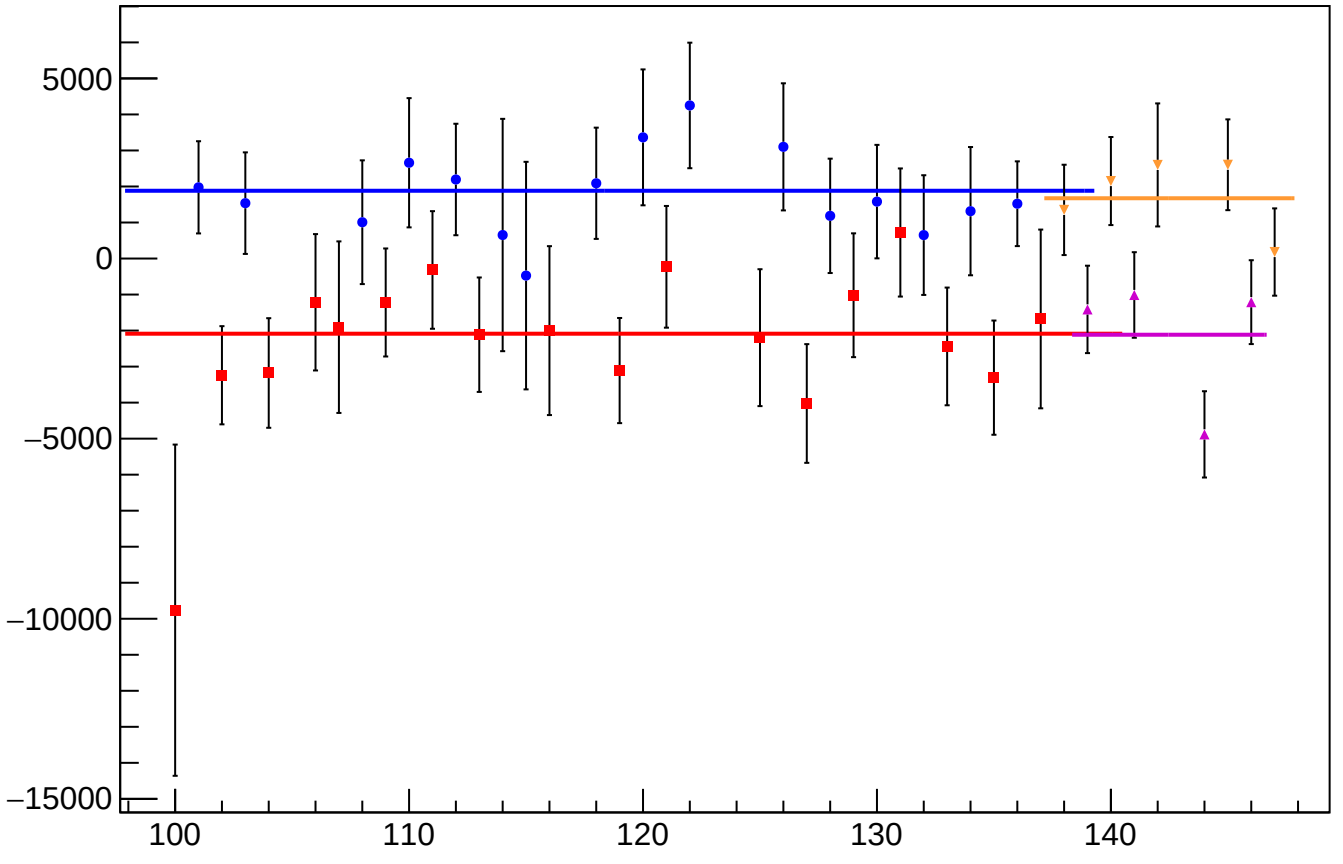
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 980.578+/-0.222 χ^2/NDF: 2159794.4/20

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21



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

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

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

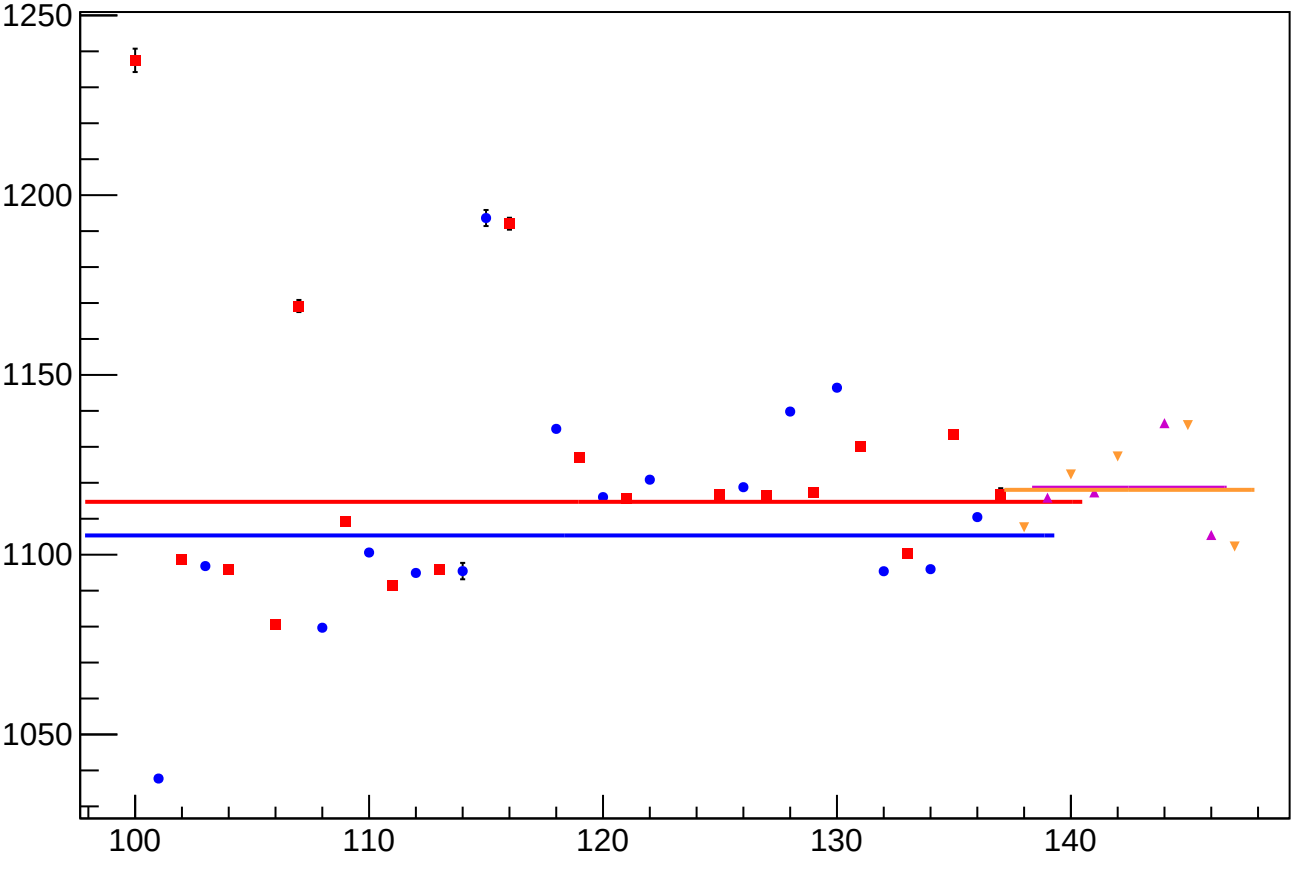
Left In: -2115.384+/-595.141 χ^2/NDF:7.1/3

+ sign 1812.239+/-335.437 χ^2/NDF: 7.8/20

All: -126.627+/-238.116 χ^2/NDF: 94.7/42

- sign -2096.082+/-338.072 χ^2/NDF: 19.5/21

dit_asym_usl_rms vs Slug



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

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

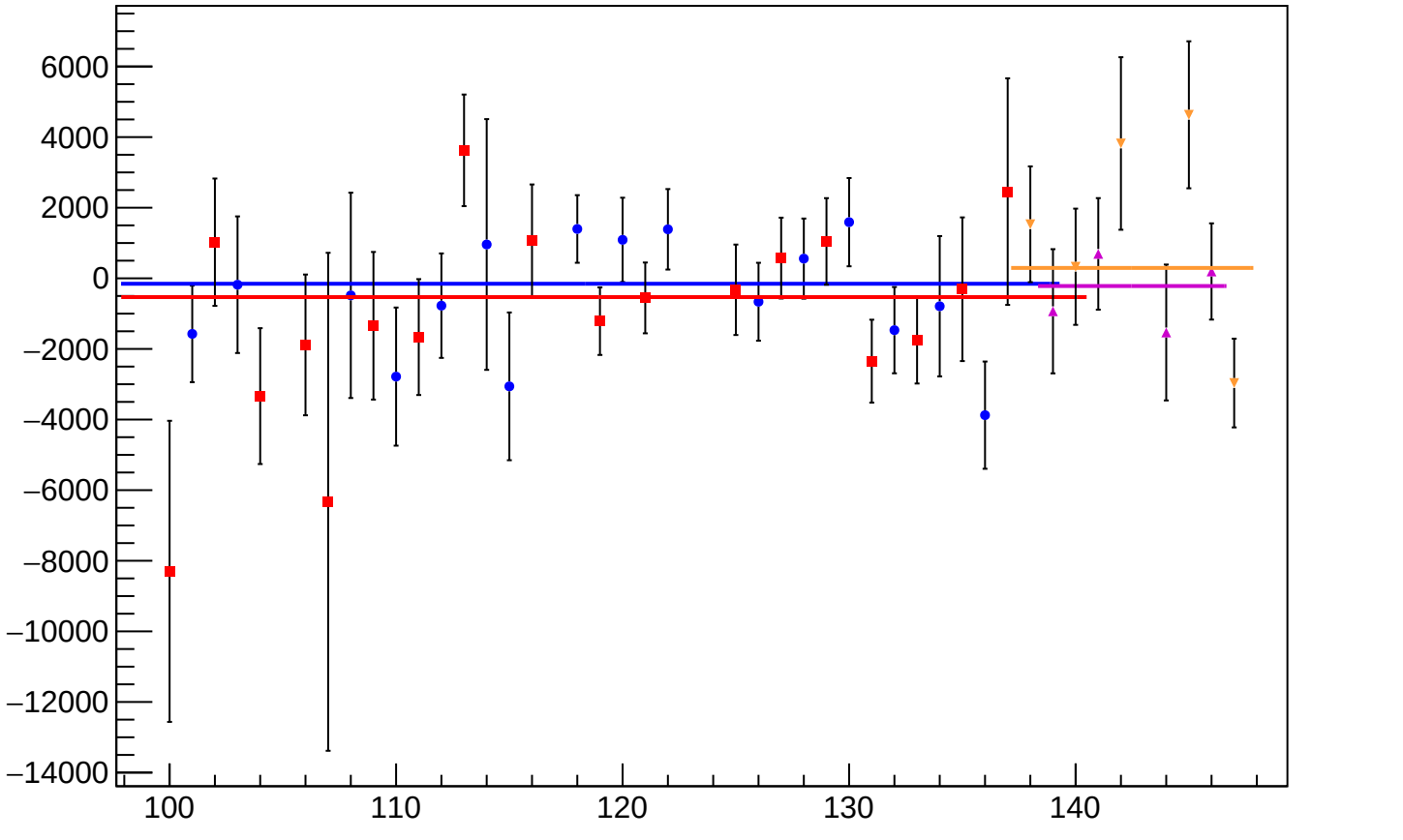
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

+ sign 1109.579+/-0.237 χ^2/NDF: 12934.1/20

All: 1112.751+/-0.168 χ^2/NDF: 21401.5/42

- sign 1115.973+/-0.239 χ^2/NDF: 8106.9/21



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

Left Out: 294.416+/-751.078 χ^2/NDF:13.7/4

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

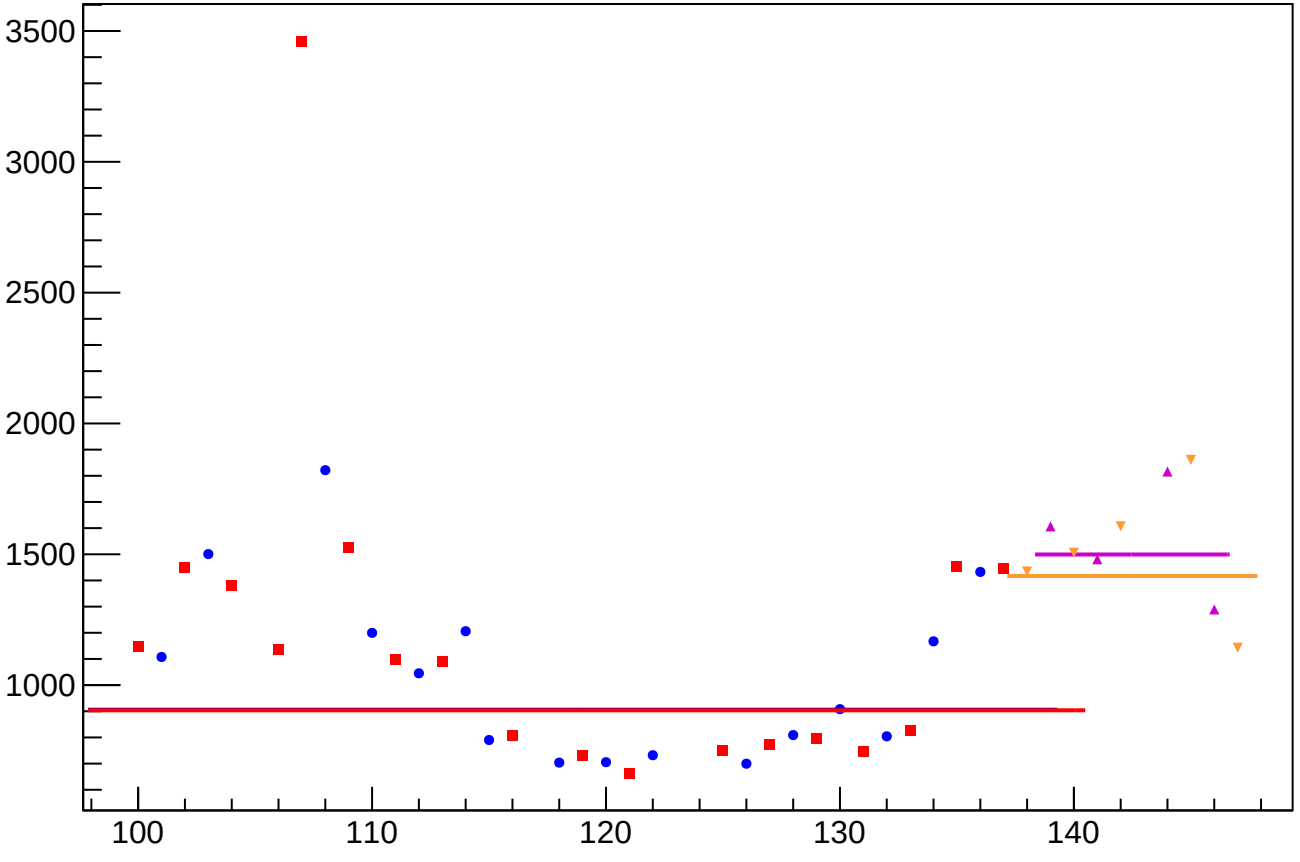
Left In: -218.129+/-807.823 χ^2/NDF:1.1/3

+ sign -73.502+/-318.226 χ^2/NDF: 34.5/20

All: -275.892+/-226.157 χ^2/NDF: 59.7/42

- sign -482.427+/-321.467 χ^2/NDF: 24.4/21

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1416.925+/-0.531 χ^2/NDF:204221.3/4

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

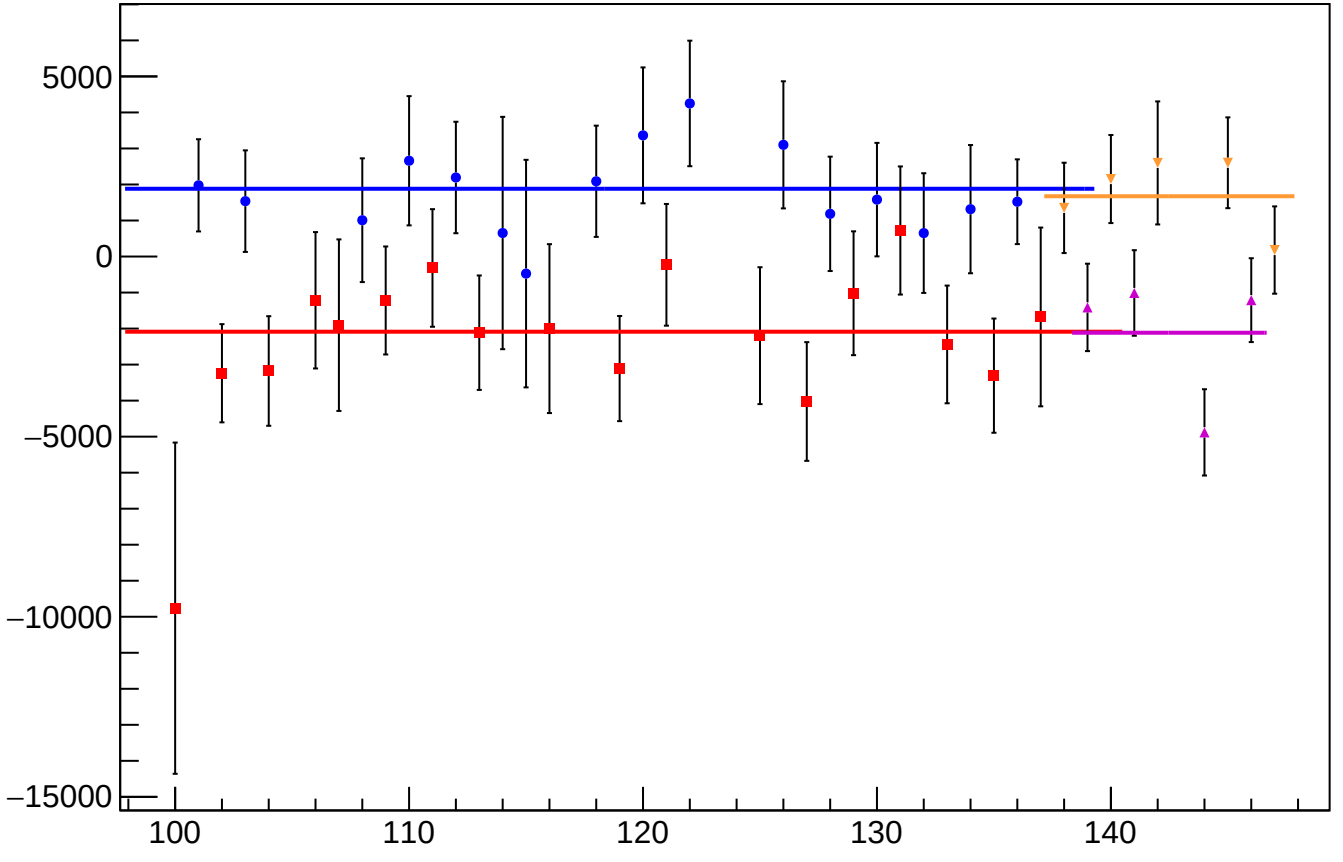
Left In: 1499.261+/-0.571 χ^2/NDF:109449.7/3

+ sign 997.748+/-0.225 χ^2/NDF: 2042905.1/20

All: 997.901+/-0.160 χ^2/NDF: 4407082.5/42

- sign 998.057+/-0.227 χ^2/NDF: 2364176.5/21

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

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

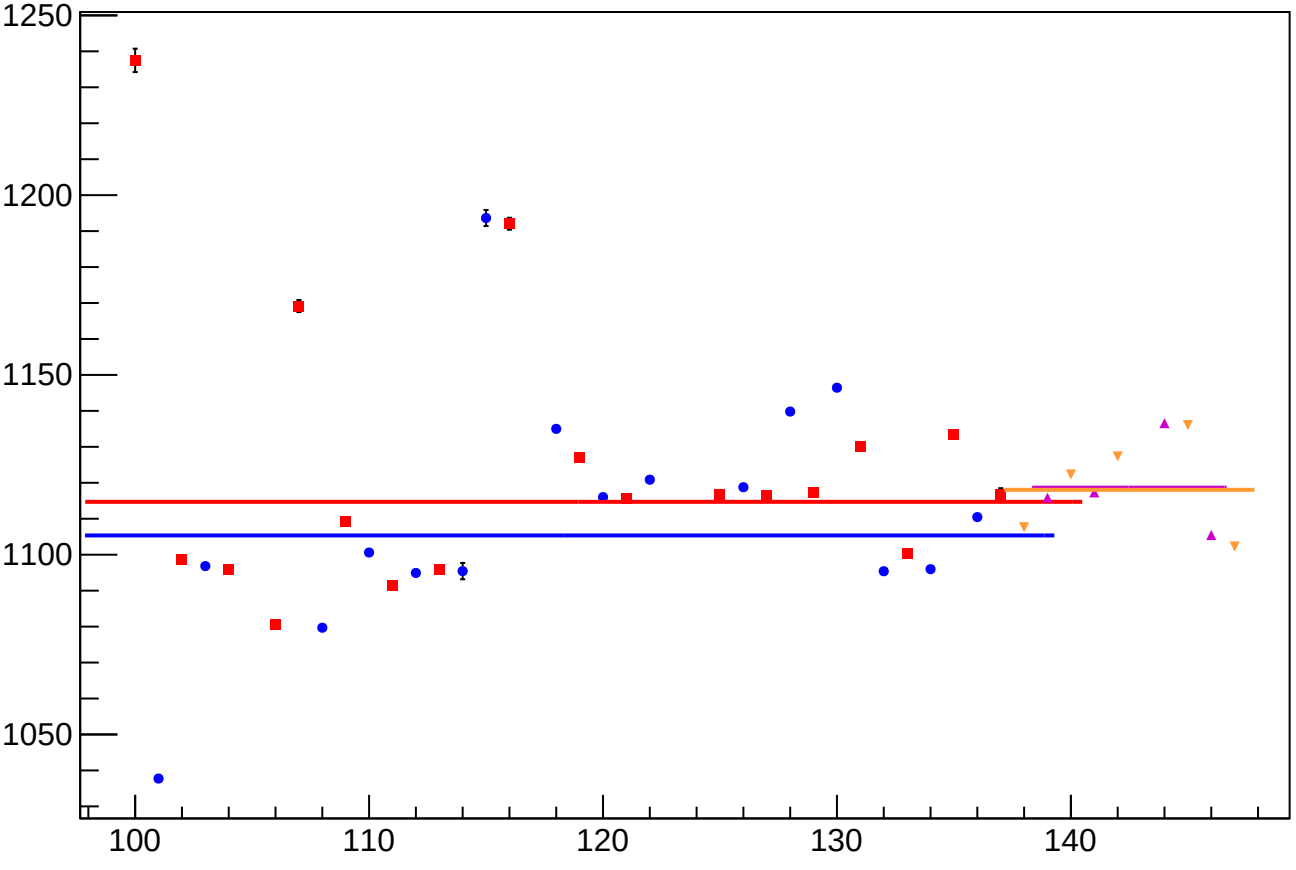
Left In: -2115.385+/-595.141 χ^2/NDF:7.1/3

+ sign 1812.239+/-335.437 χ^2/NDF: 7.8/20

All: -126.626+/-238.116 χ^2/NDF: 94.7/42

- sign -2096.081+/-338.072 χ^2/NDF: 19.5/21

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

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

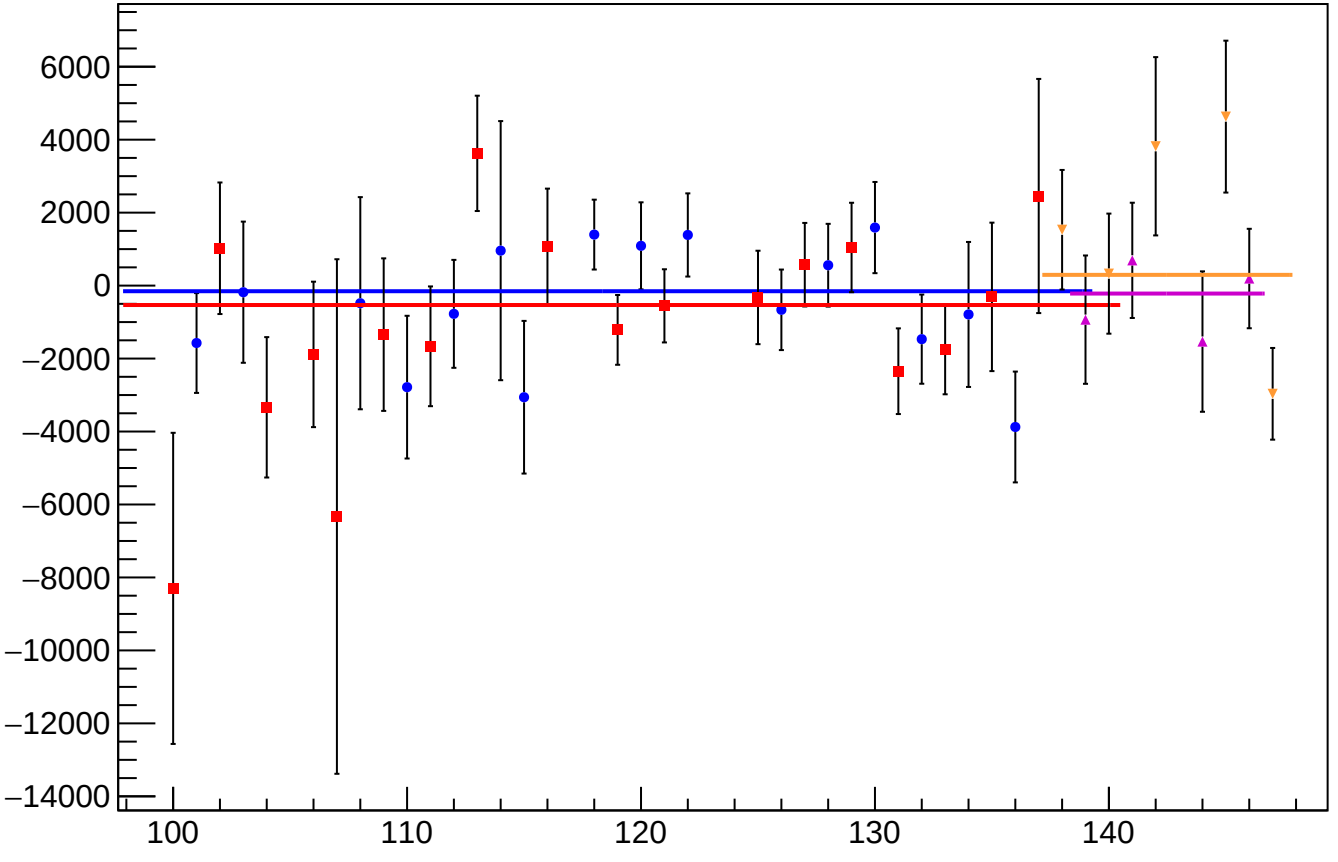
Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

+ sign 1109.579+/-0.237 χ^2/NDF: 12934.1/20

All: 1112.751+/-0.168 χ^2/NDF: 21401.5/42

- sign 1115.973+/-0.239 χ^2/NDF: 8106.8/21

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: 294.414+/-751.079 χ^2/NDF:13.7/4

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

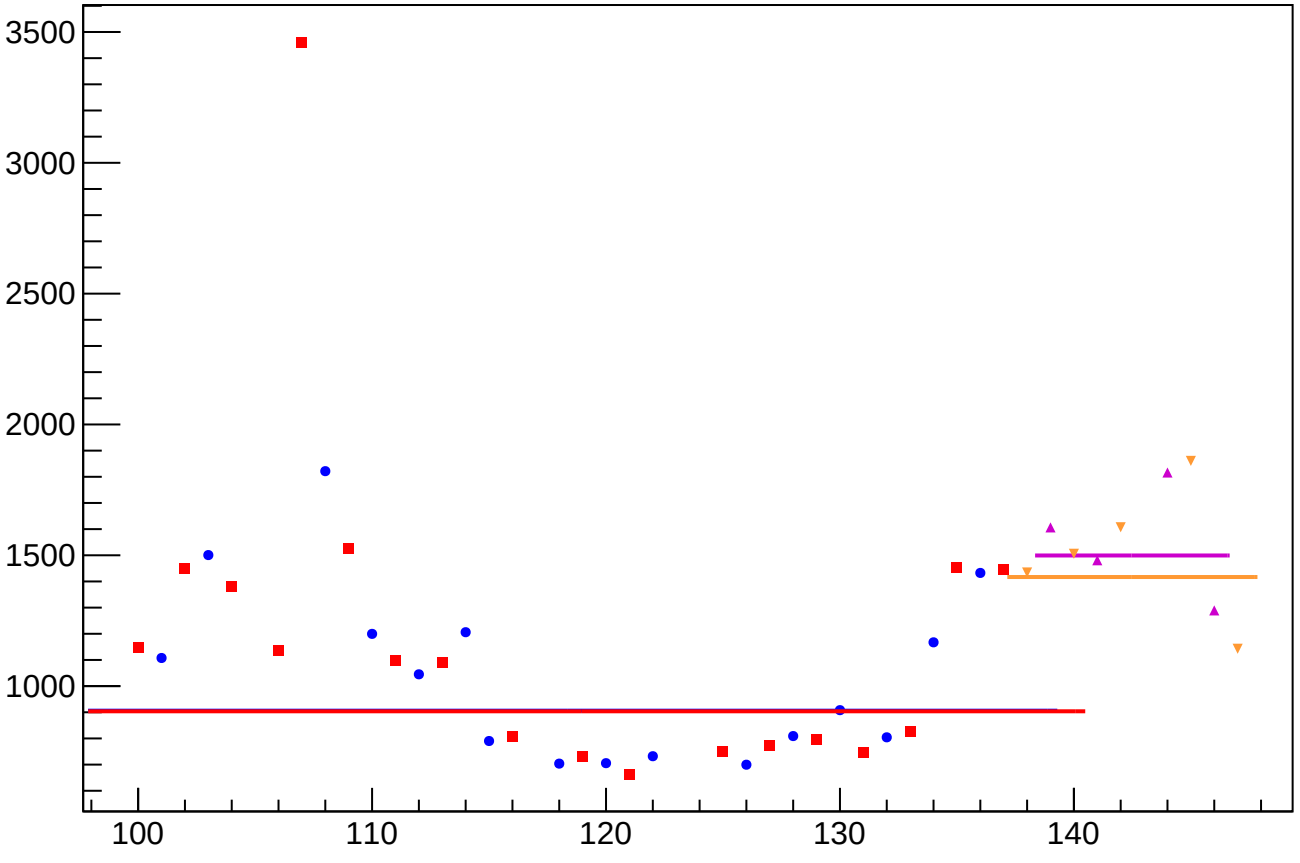
Left In: -218.130+/-807.824 χ^2/NDF:1.1/3

+ sign -73.502+/-318.225 χ^2/NDF: 34.5/20

All: -275.892+/-226.157 χ^2/NDF: 59.7/42

- sign -482.426+/-321.467 χ^2/NDF: 24.4/21

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1416.927+/-0.531 χ^2/NDF:204220.2/4

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

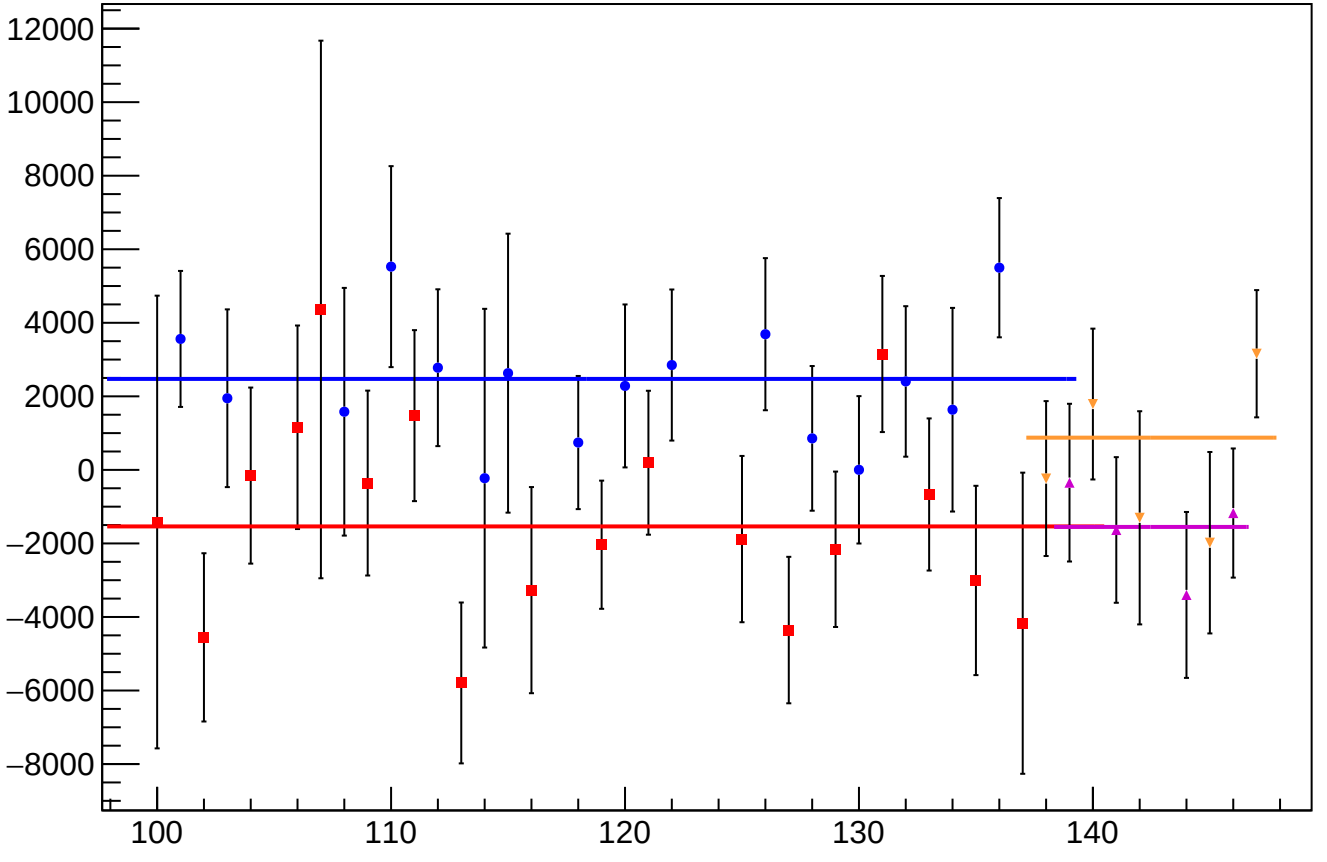
Left In: 1499.263+/-0.571 χ^2/NDF:109449.5/3

+ sign 997.746+/-0.225 χ^2/NDF: 2042920.3/20

All: 997.899+/-0.160 χ^2/NDF: 4407111.9/42

- sign 998.055+/-0.227 χ^2/NDF: 2364190.7/21

asym_usl_mean vs Slug



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

Left Out: 876.454+/-962.038 χ^2/NDF:4.1/4

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

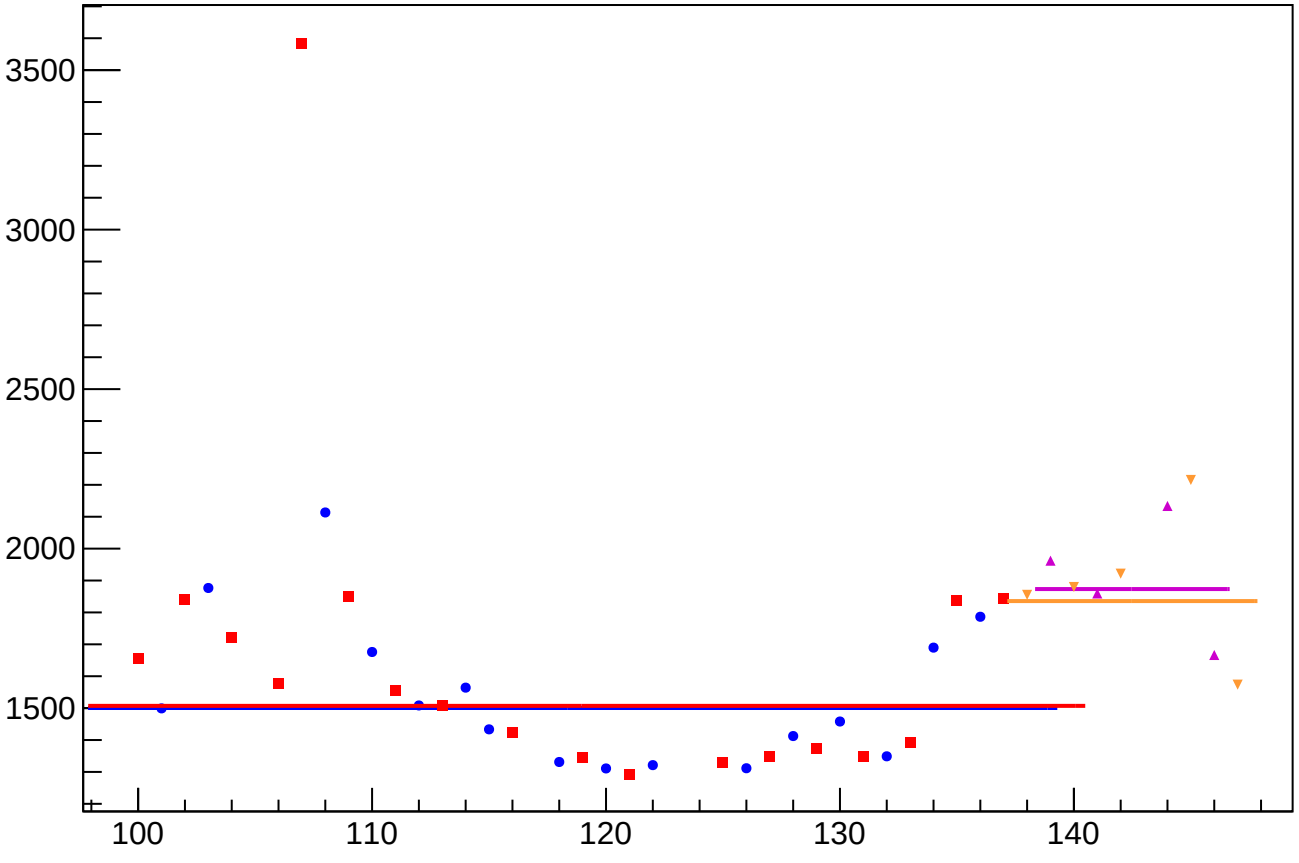
Left In: -1551.279+/-1003.437 χ^2/NDF:1.0/3

+ sign 2066.721+/-485.778 χ^2/NDF: 14.4/20

All: 283.611+/-345.455 χ^2/NDF: 61.2/42

- sign -1540.755+/-491.365 χ^2/NDF: 19.5/21

asym_usl_rms vs Slug



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

Left Out: 1835.562+/-0.680 χ^2/NDF:96077.3/4

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

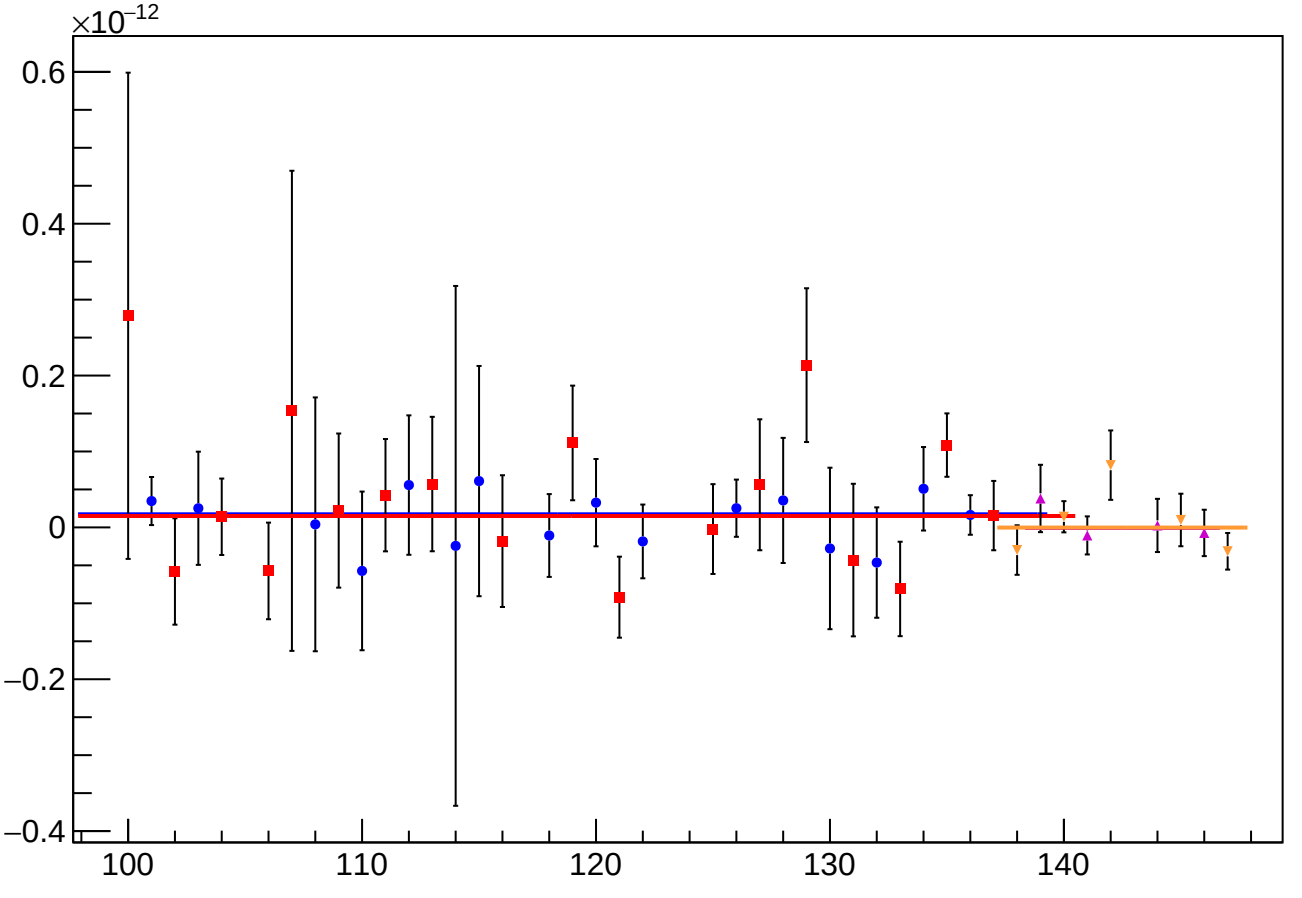
Left In: 1873.261+/-0.710 χ^2/NDF:57890.9/3

+ sign 1585.840+/-0.343 χ^2/NDF: 535749.2/20

All: 1590.318+/-0.244 χ^2/NDF: 1197669.2/42

- sign 1594.900+/-0.347 χ^2/NDF: 661576.1/21

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:6.3/4

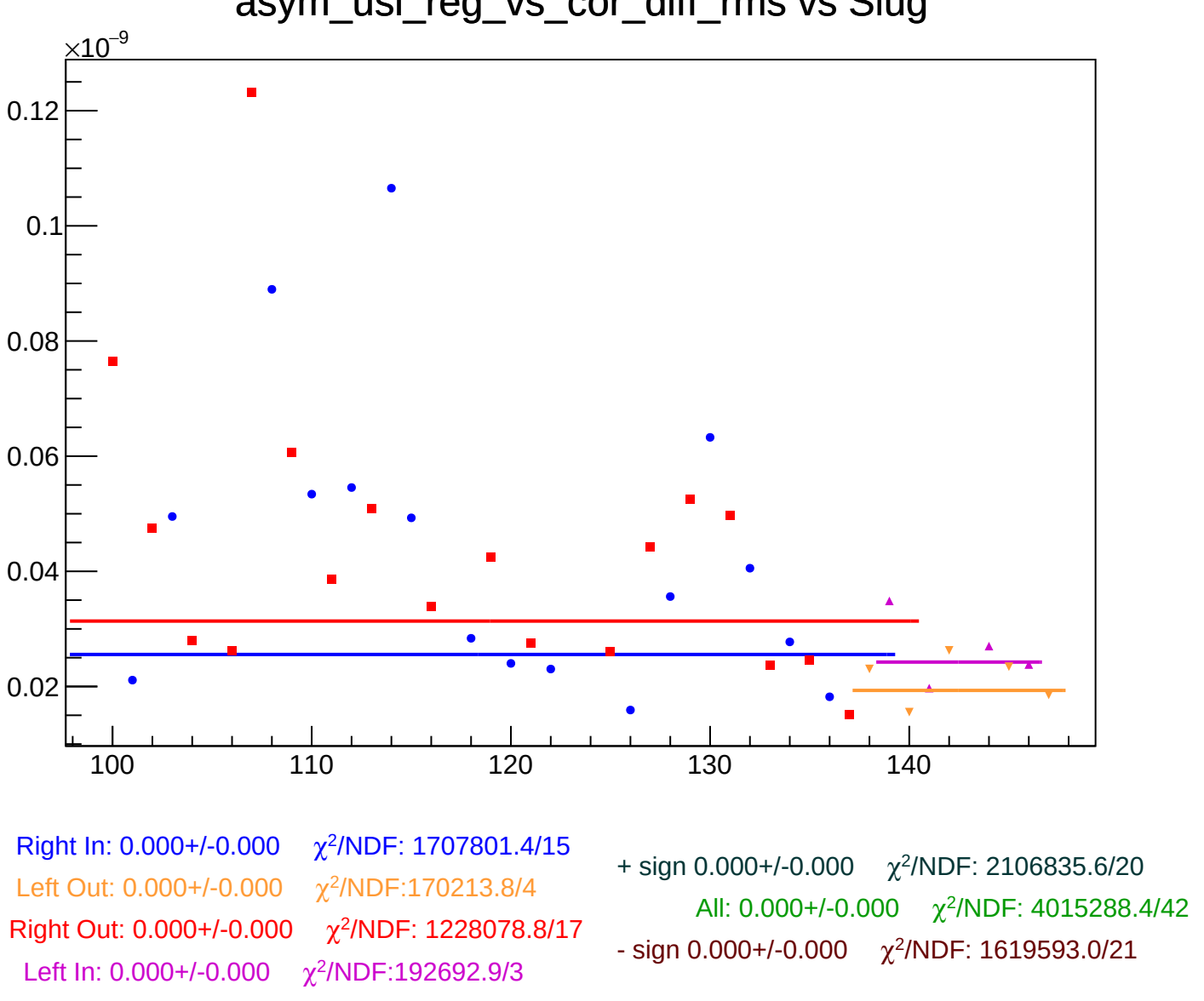
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

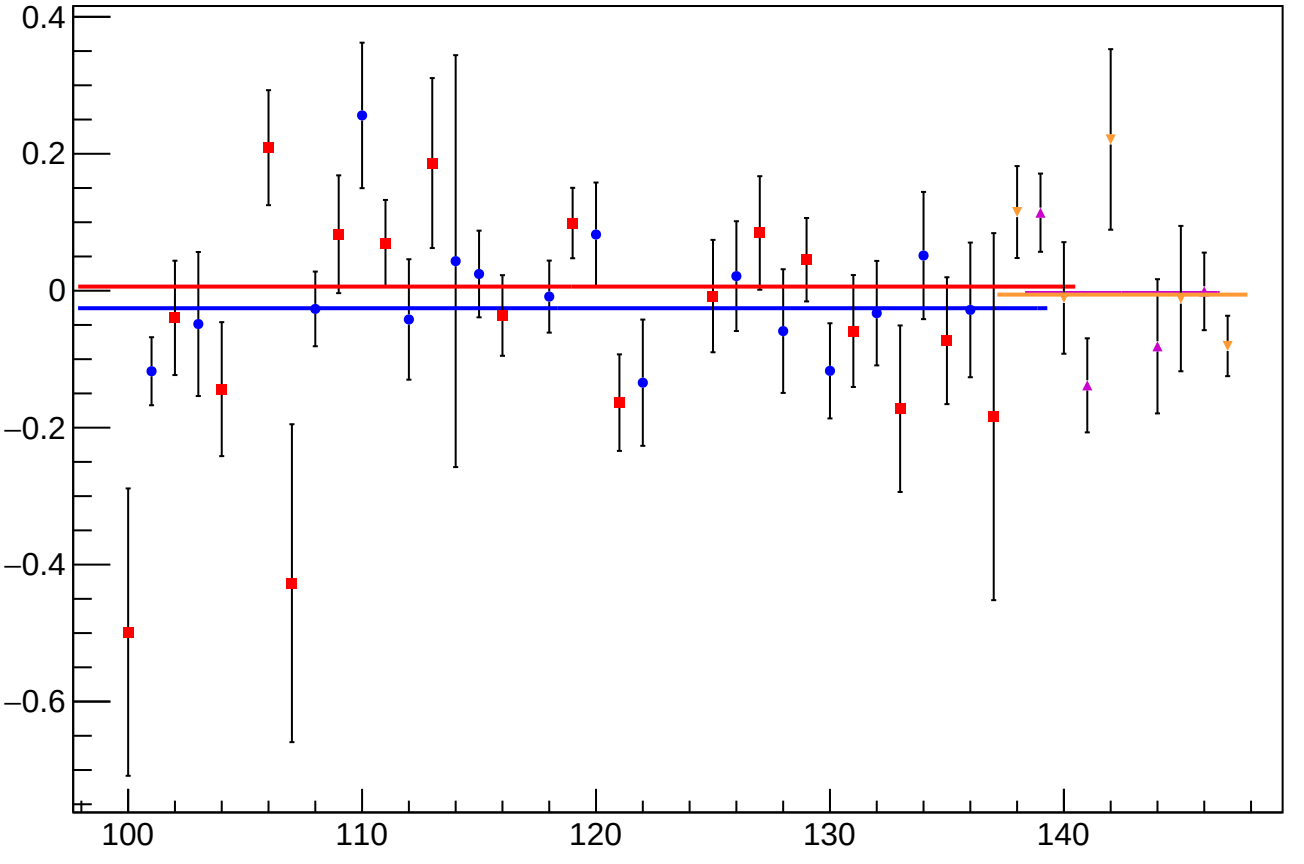
+ sign 0.000+/-0.000 χ^2/NDF: 10.6/20

All: 0.000+/-0.000 χ^2/NDF: 33.3/42

- sign 0.000+/-0.000 χ^2/NDF: 22.8/21


asym_usl_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:170213.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:192692.9/3
+ sign 0.000+/-0.000 χ²/NDF: 2106835.6/20
All: 0.000+/-0.000 χ²/NDF: 4015288.4/42
- sign 0.000+/-0.000 χ²/NDF: 1619593.0/21

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

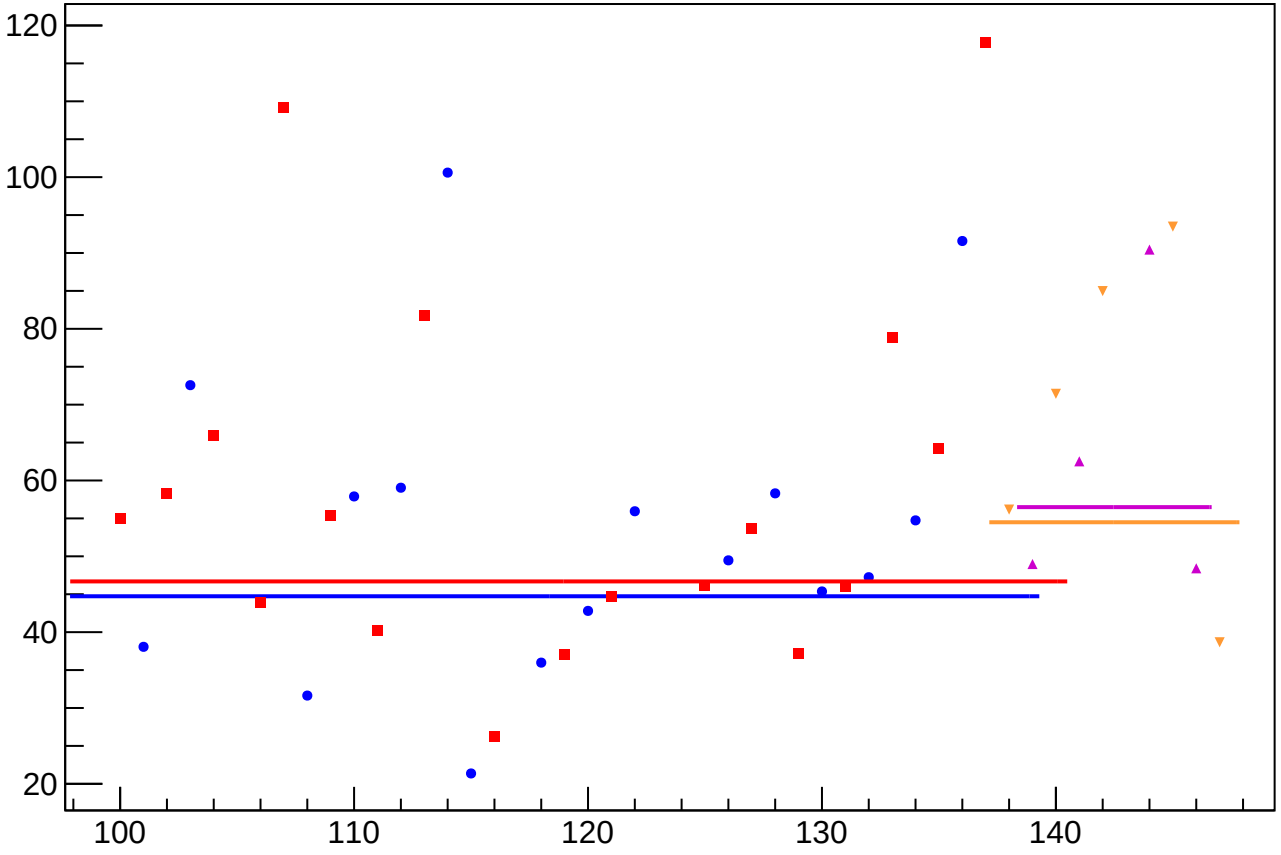
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.020+/-0.016 χ^2/NDF: 27.0/20

All: -0.009+/-0.012 χ^2/NDF: 73.4/42

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 54.492+/-0.022 χ^2/NDF:721862.6/4

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

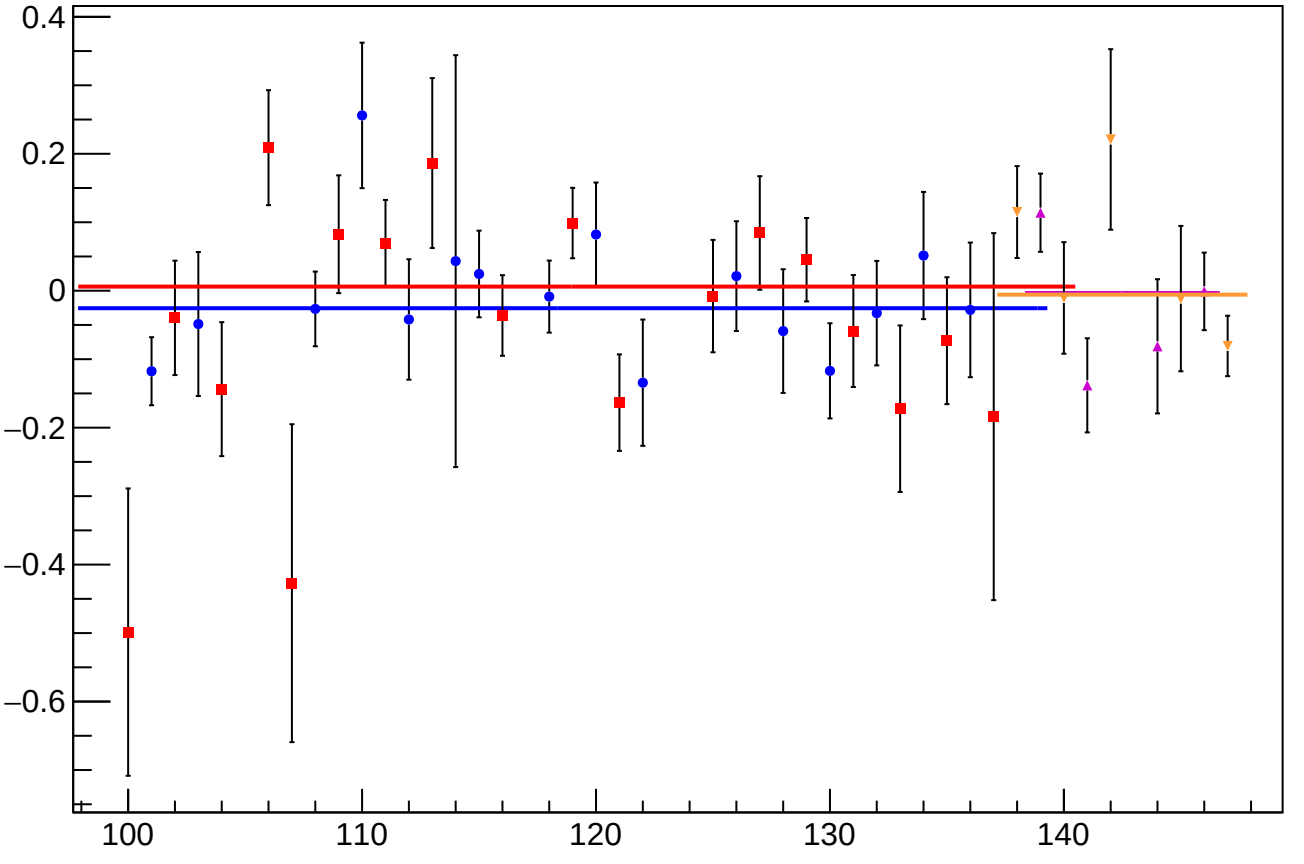
Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

+ sign 47.336+/-0.011 χ^2/NDF: 2200652.0/20

All: 48.251+/-0.008 χ^2/NDF: 3873038.2/42

- sign 49.238+/-0.012 χ^2/NDF: 1658908.1/21

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

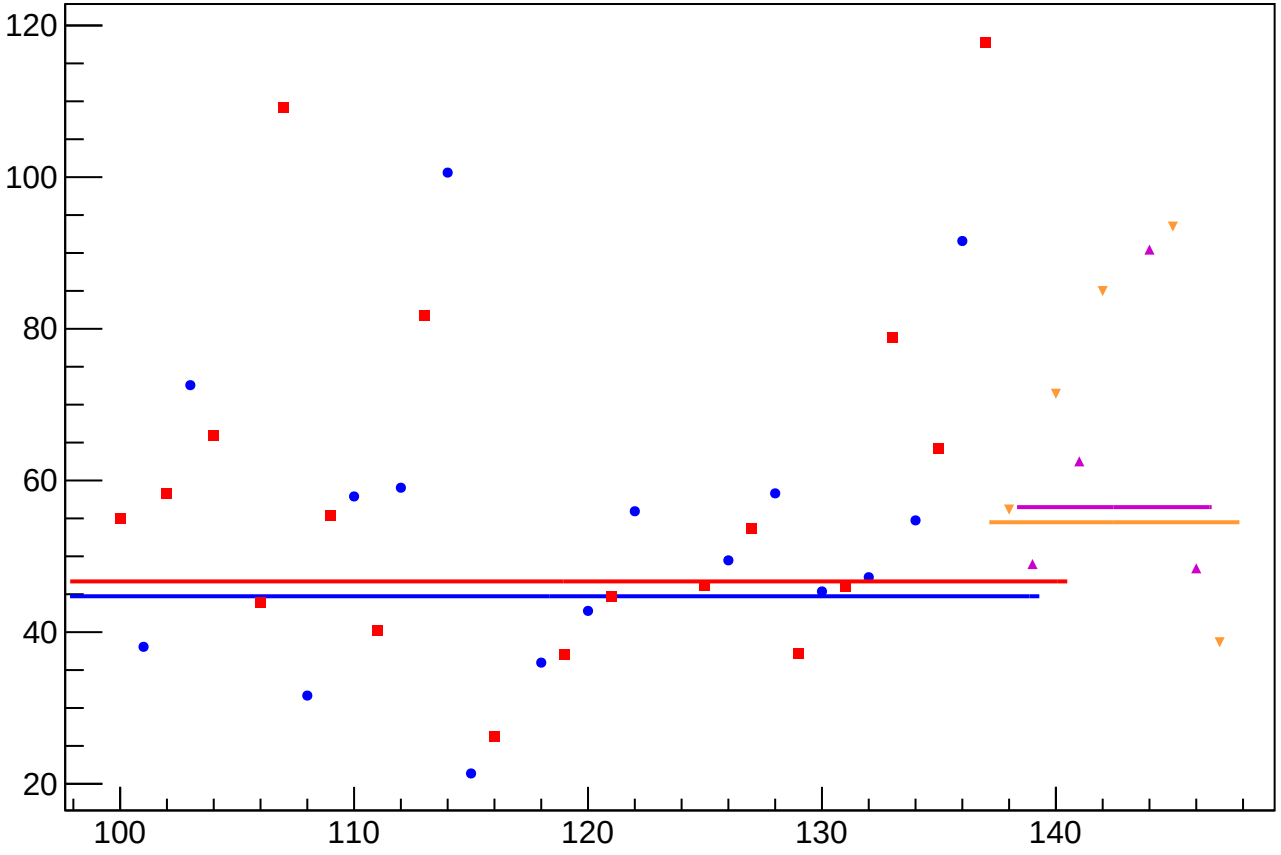
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.020+/-0.016 χ^2/NDF: 27.0/20

All: -0.009+/-0.012 χ^2/NDF: 73.4/42

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 54.492+/-0.022 χ^2/NDF:721862.6/4

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

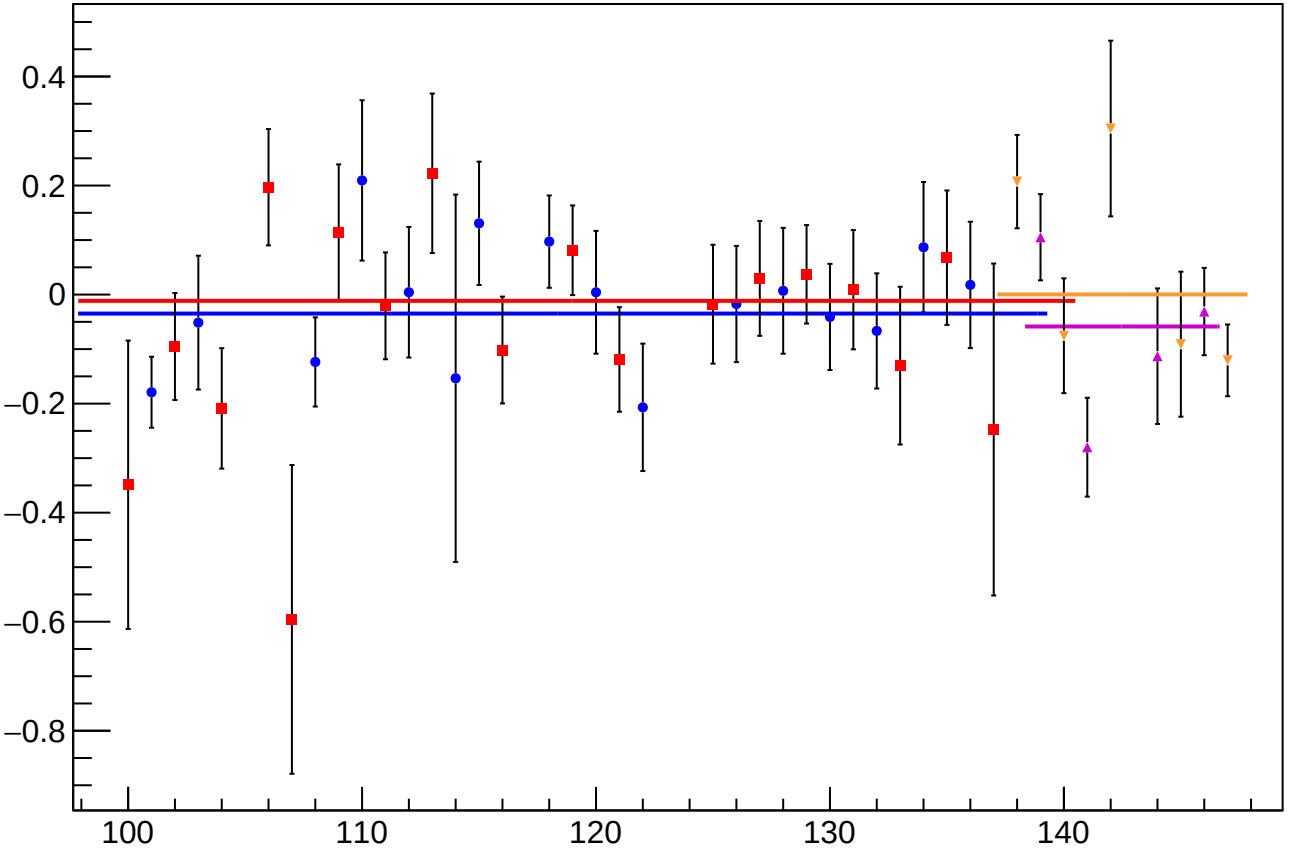
Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

+ sign 47.336+/-0.011 χ^2/NDF: 2200652.0/20

All: 48.251+/-0.008 χ^2/NDF: 3873038.2/42

- sign 49.238+/-0.012 χ^2/NDF: 1658908.1/21

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.043 χ^2/NDF:13.8/4

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

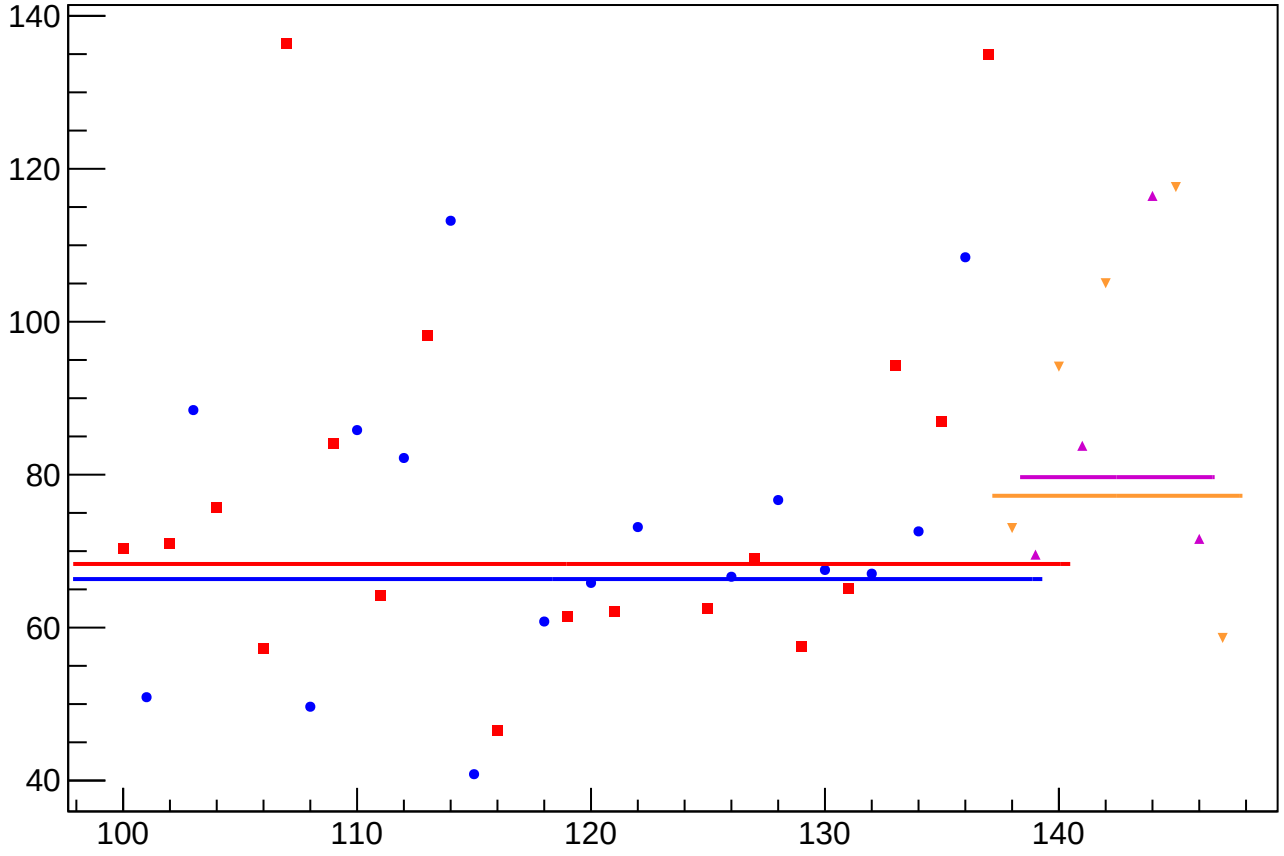
Left In: -0.059+/-0.045 χ^2/NDF:10.6/3

+ sign -0.025+/-0.022 χ^2/NDF: 31.7/20

All: -0.025+/-0.016 χ^2/NDF: 65.9/42

- sign -0.024+/-0.023 χ^2/NDF: 34.1/21

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 77.240+/-0.030 χ^2/NDF:460044.9/4

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

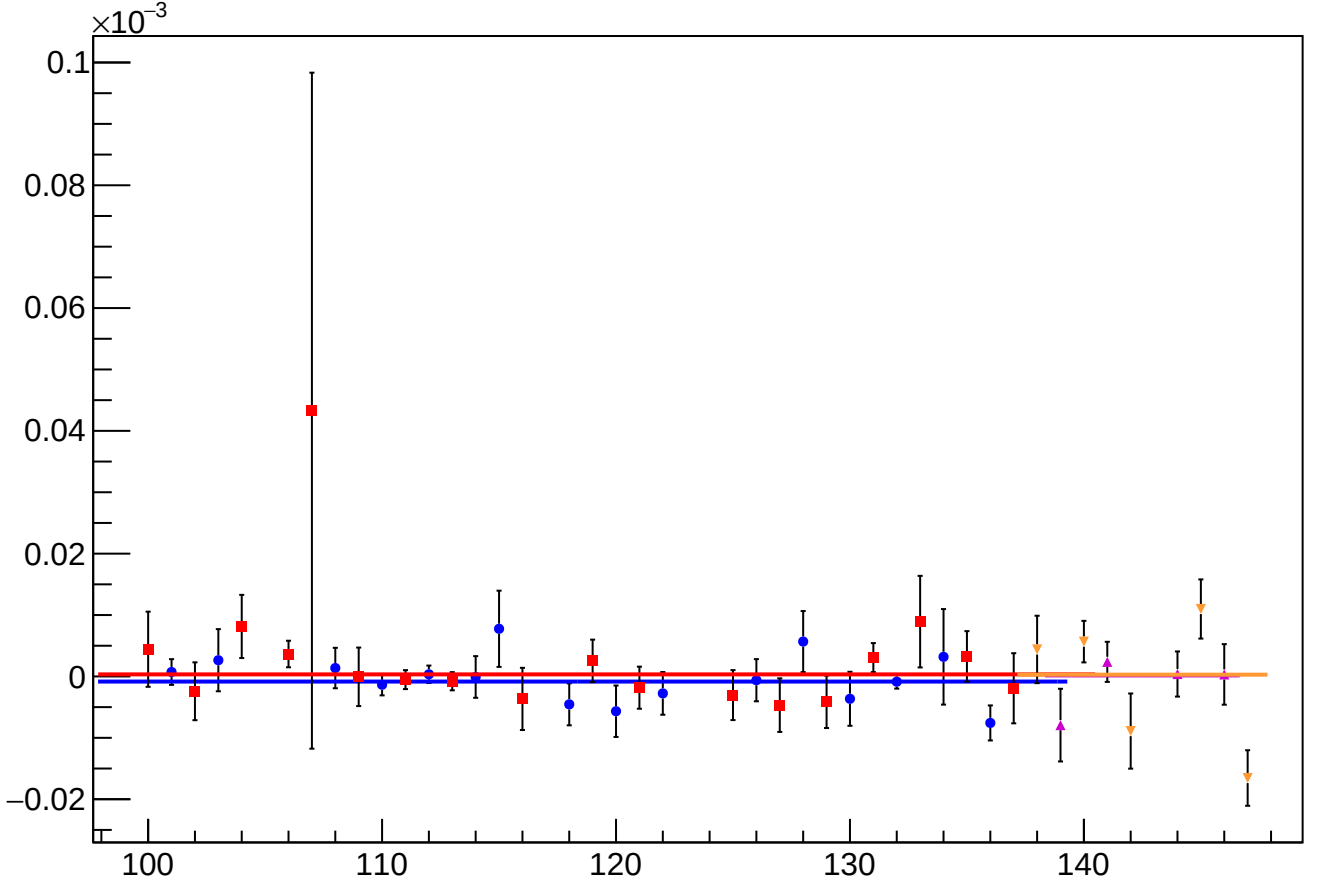
Left In: 79.678+/-0.032 χ^2/NDF:232352.8/3

+ sign 69.357+/-0.016 χ^2/NDF: 1327642.3/20

All: 70.323+/-0.011 χ^2/NDF: 2292364.6/42

- sign 71.349+/-0.016 χ^2/NDF: 957019.5/21

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:24.1/4

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

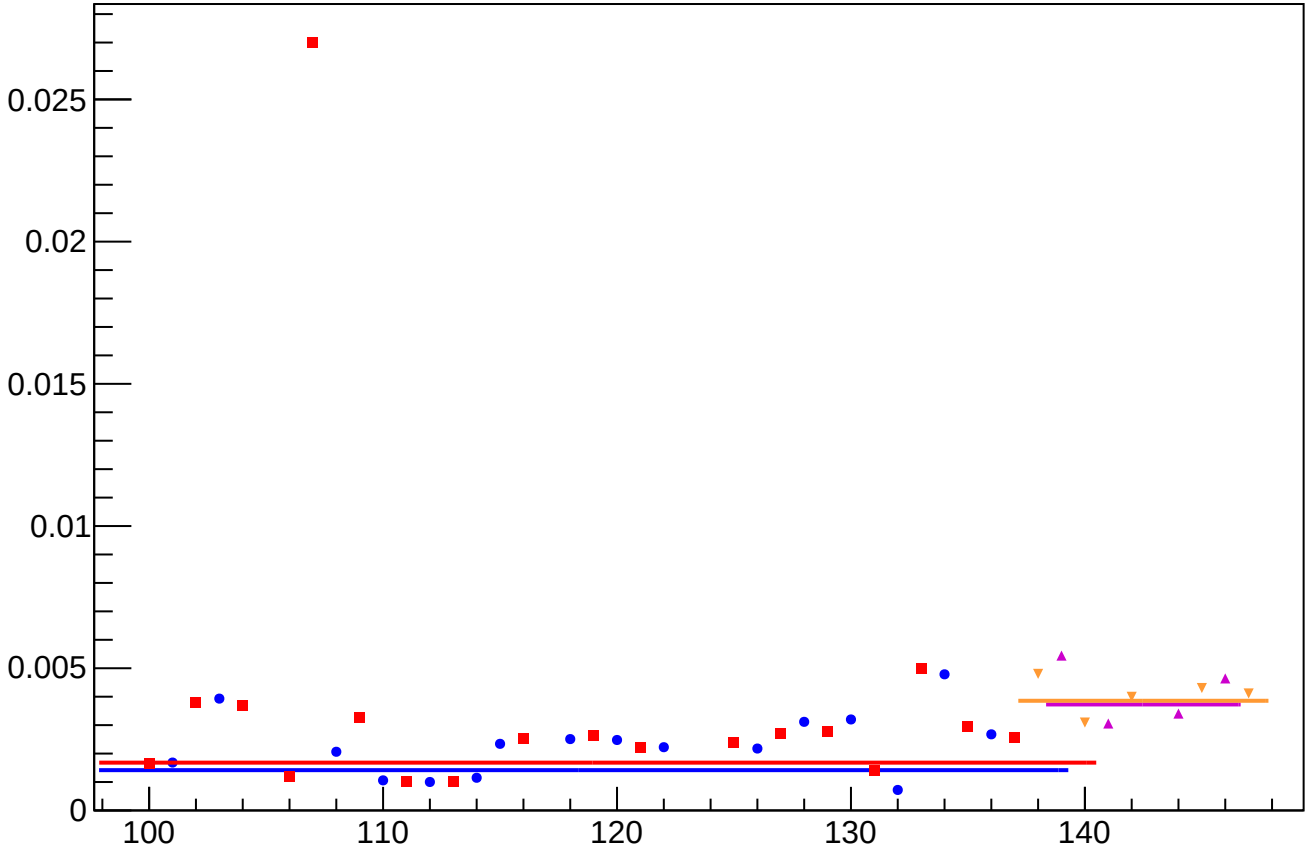
Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/20

All: -0.000+/-0.000 χ^2/NDF: 57.9/42

- sign 0.000+/-0.000 χ^2/NDF: 17.1/21

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:186706.1/4

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

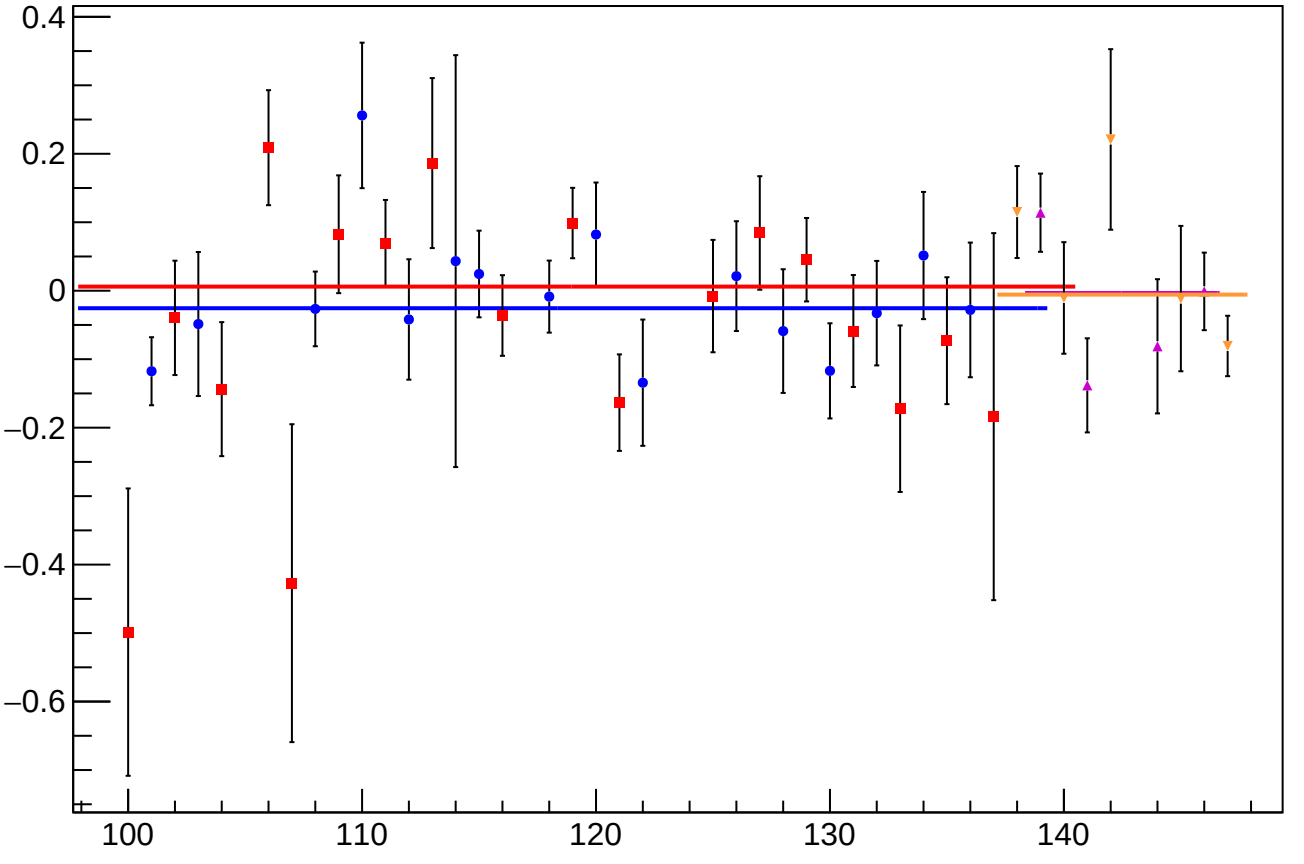
Left In: 0.004+/-0.000 χ^2/NDF:336687.9/3

+ sign 0.002+/-0.000 χ^2/NDF: 6343427.0/20

All: 0.002+/-0.000 χ^2/NDF: 12078178.1/42

- sign 0.002+/-0.000 χ^2/NDF: 5531448.1/21

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

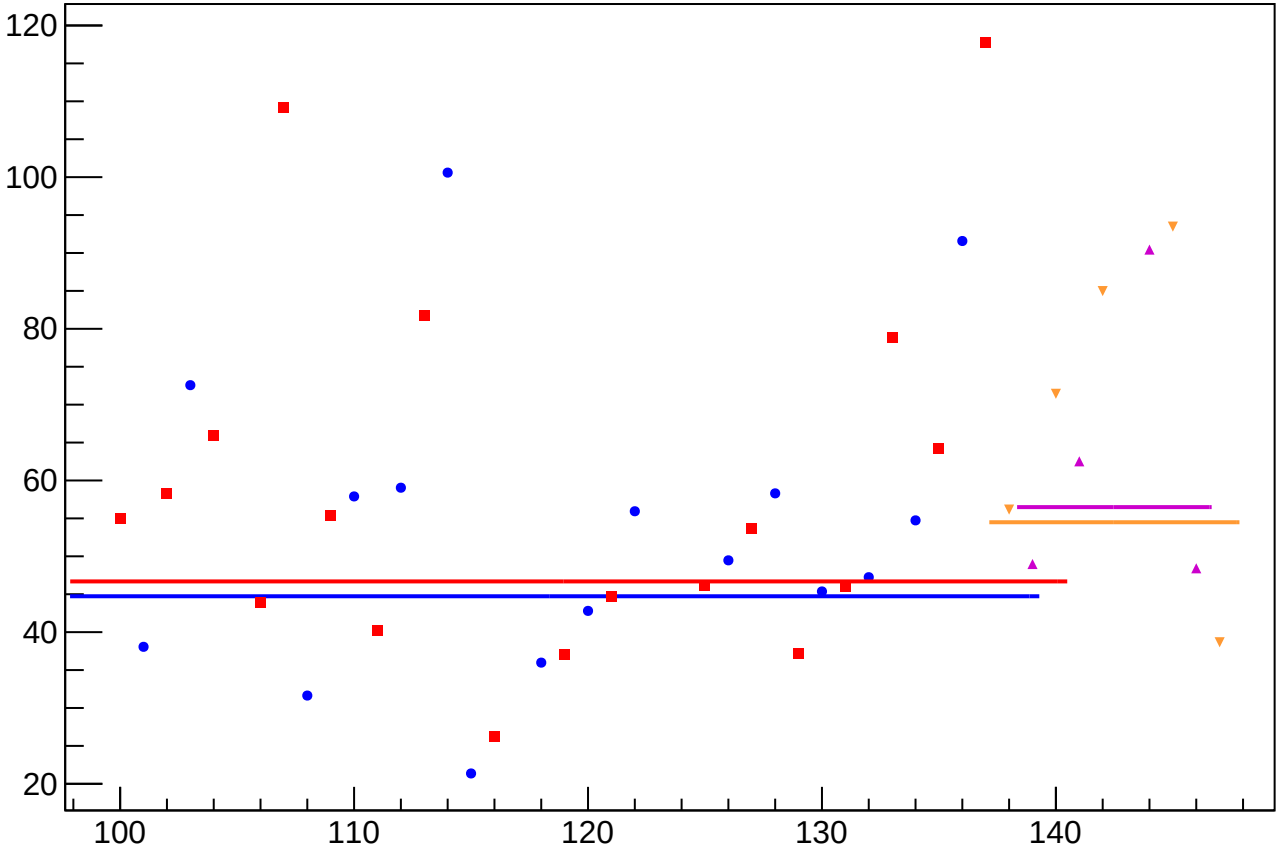
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.020+/-0.016 χ^2/NDF: 27.0/20

All: -0.009+/-0.012 χ^2/NDF: 73.4/42

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 54.493+/-0.022 χ^2/NDF:721812.0/4

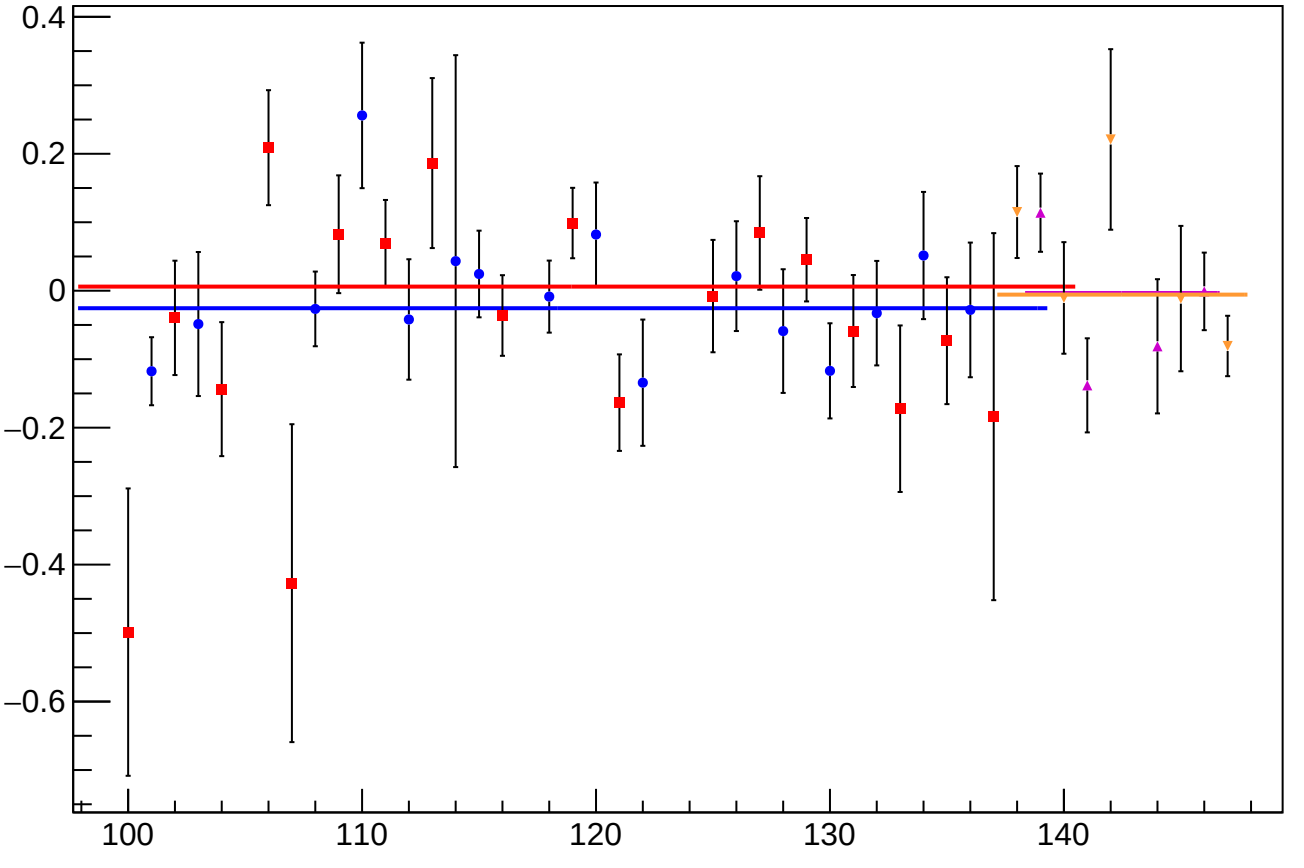
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

+ sign 47.336+/-0.011 χ^2/NDF: 2200709.5/20

All: 48.251+/-0.008 χ^2/NDF: 3873150.1/42

- sign 49.237+/-0.012 χ^2/NDF: 1658963.3/21



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

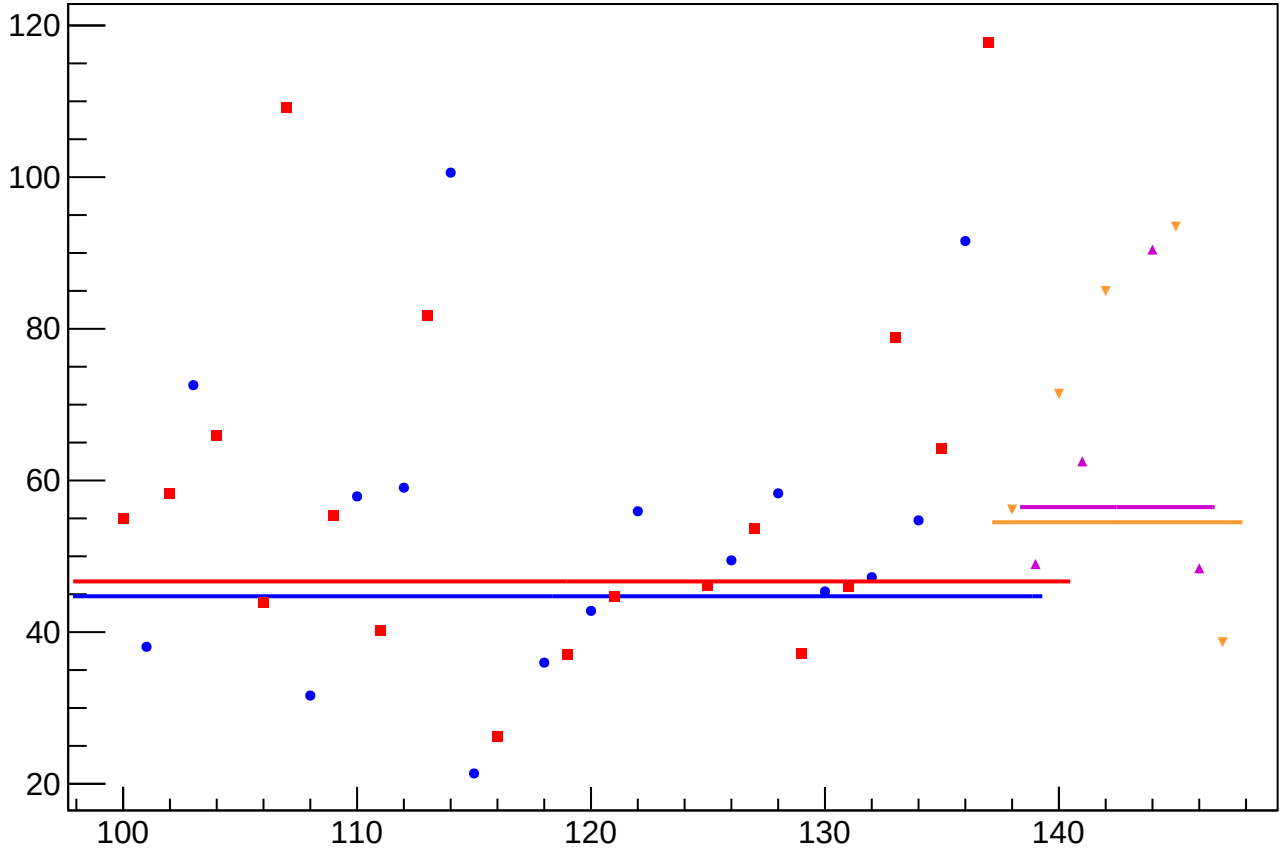
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.020+/-0.016 χ^2/NDF: 27.0/20

All: -0.009+/-0.012 χ^2/NDF: 73.4/42

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

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: 54.493+/-0.022 χ^2/NDF:721812.0/4

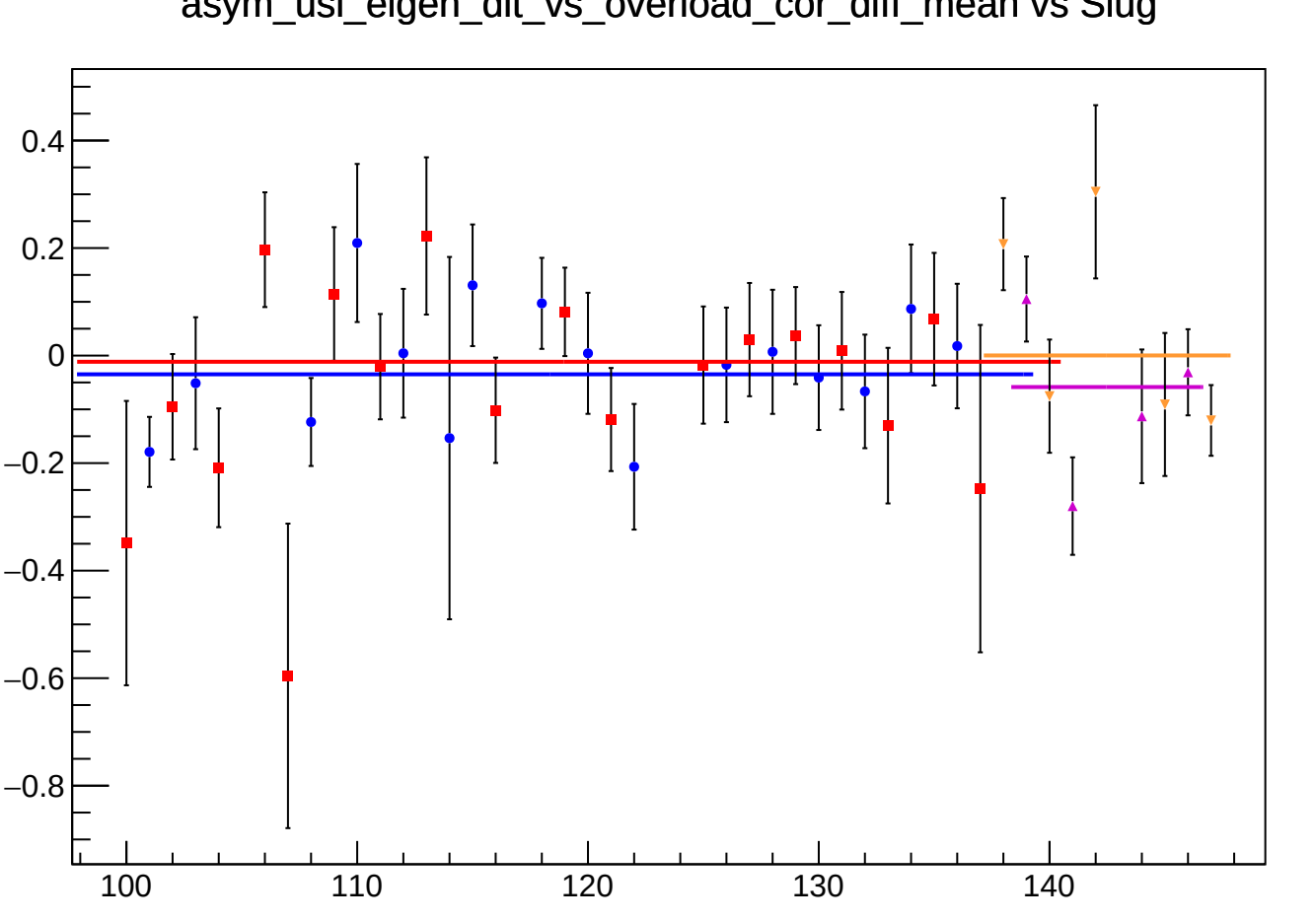
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

+ sign 47.336+/-0.011 χ^2/NDF: 2200709.5/20

All: 48.251+/-0.008 χ^2/NDF: 3873150.1/42

- sign 49.237+/-0.012 χ^2/NDF: 1658963.3/21



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

Left Out: 0.000+/-0.043 χ^2/NDF:13.8/4

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

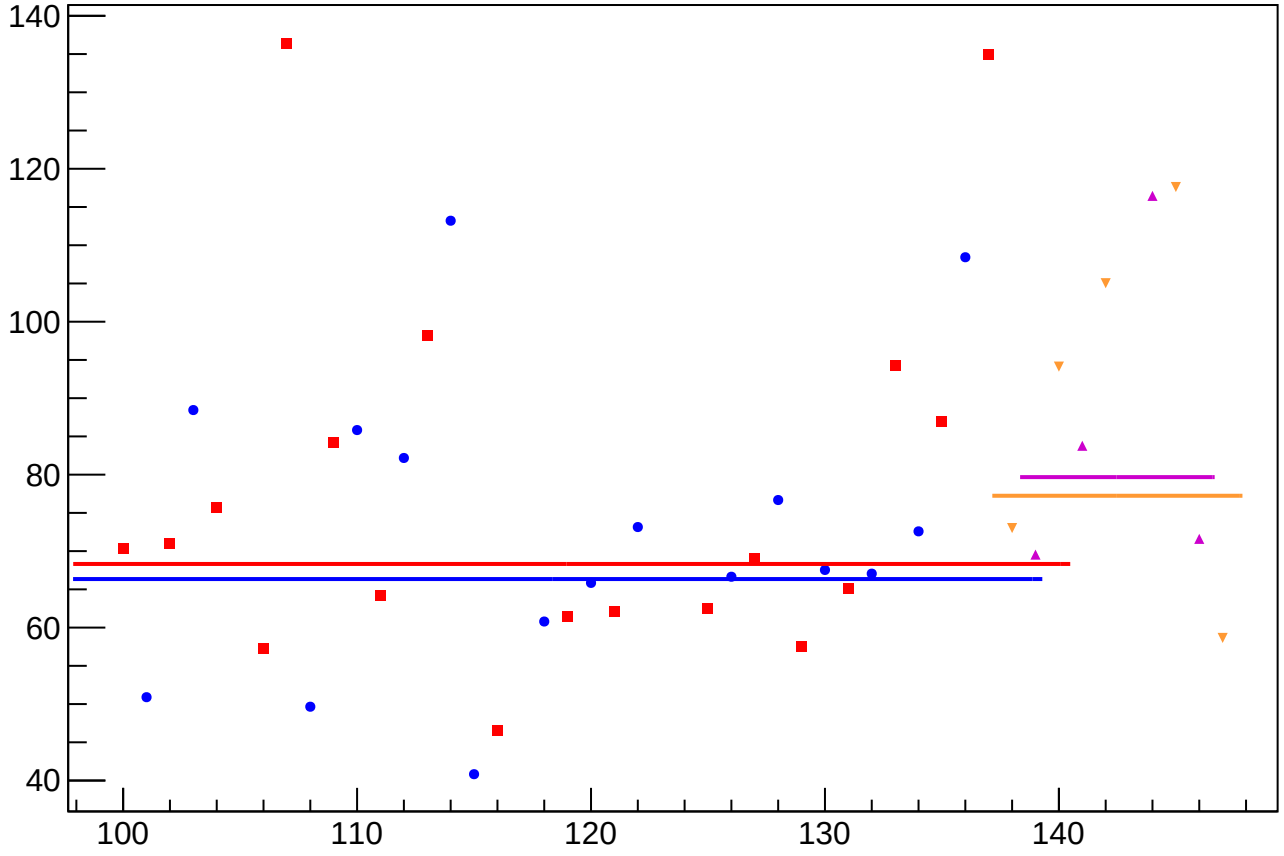
Left In: -0.059+/-0.045 χ^2/NDF:10.6/3

+ sign -0.025+/-0.022 χ^2/NDF: 31.7/20

All: -0.025+/-0.016 χ^2/NDF: 65.9/42

- sign -0.024+/-0.023 χ^2/NDF: 34.1/21

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 77.241+/-0.030 χ^2/NDF:460026.3/4

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

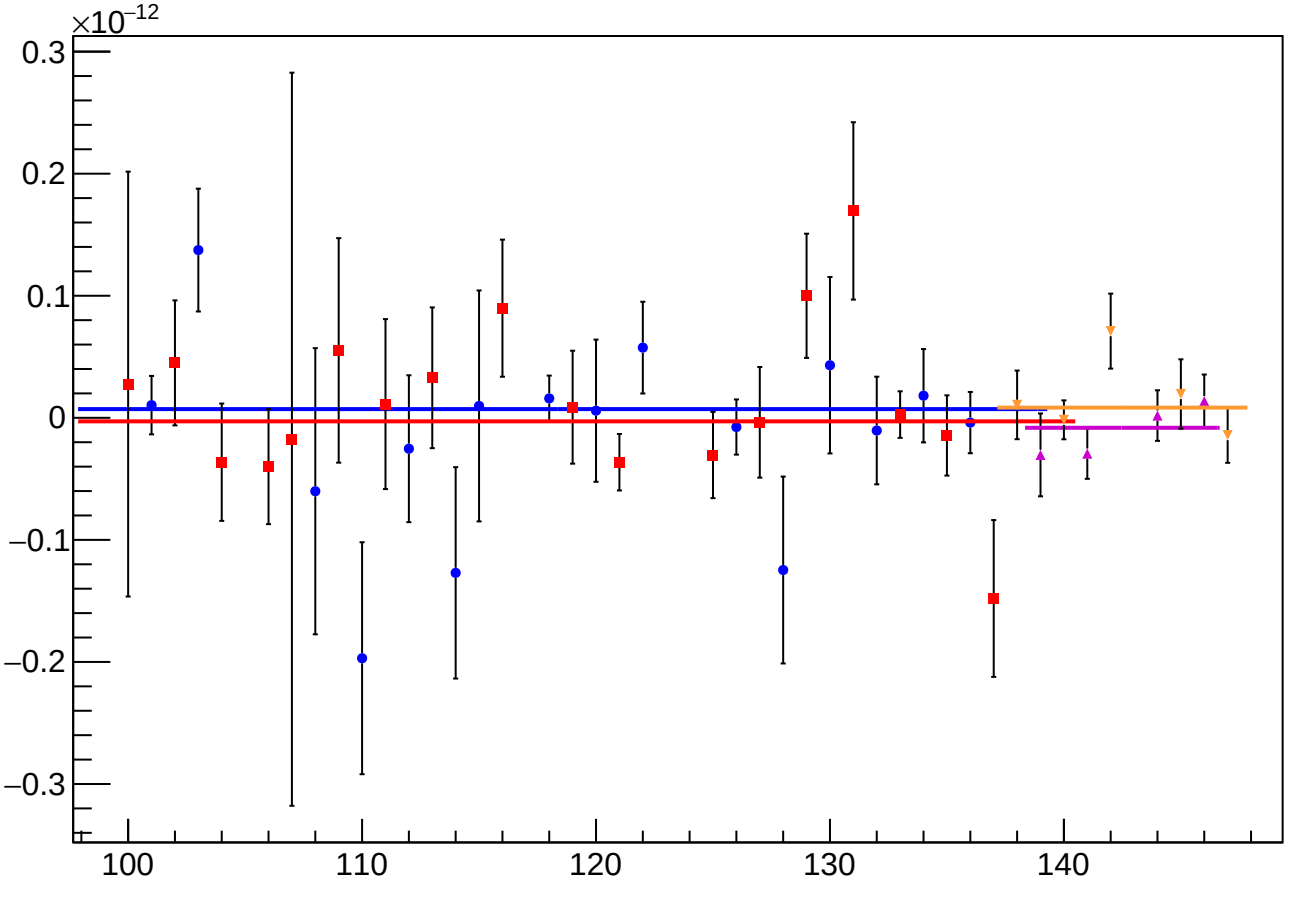
Left In: 79.678+/-0.032 χ^2/NDF:232344.0/3

+ sign 69.357+/-0.016 χ^2/NDF: 1327645.4/20

All: 70.322+/-0.011 χ^2/NDF: 2292370.0/42

- sign 71.348+/-0.016 χ^2/NDF: 957023.2/21

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:5.7/4

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

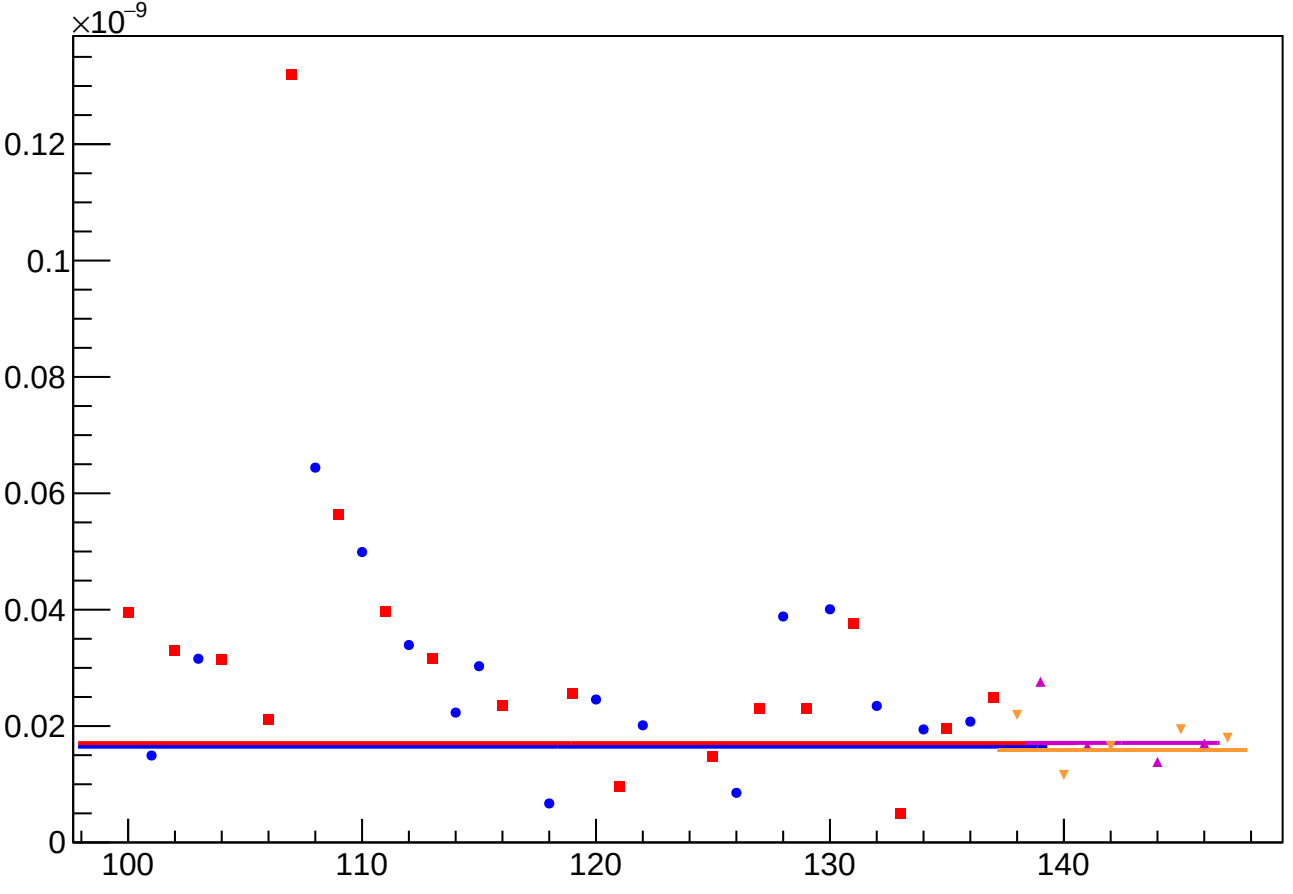
Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/20

All: 0.000+/-0.000 χ^2/NDF: 54.0/42

- sign -0.000+/-0.000 χ^2/NDF: 26.2/21

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:286277.5/4

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

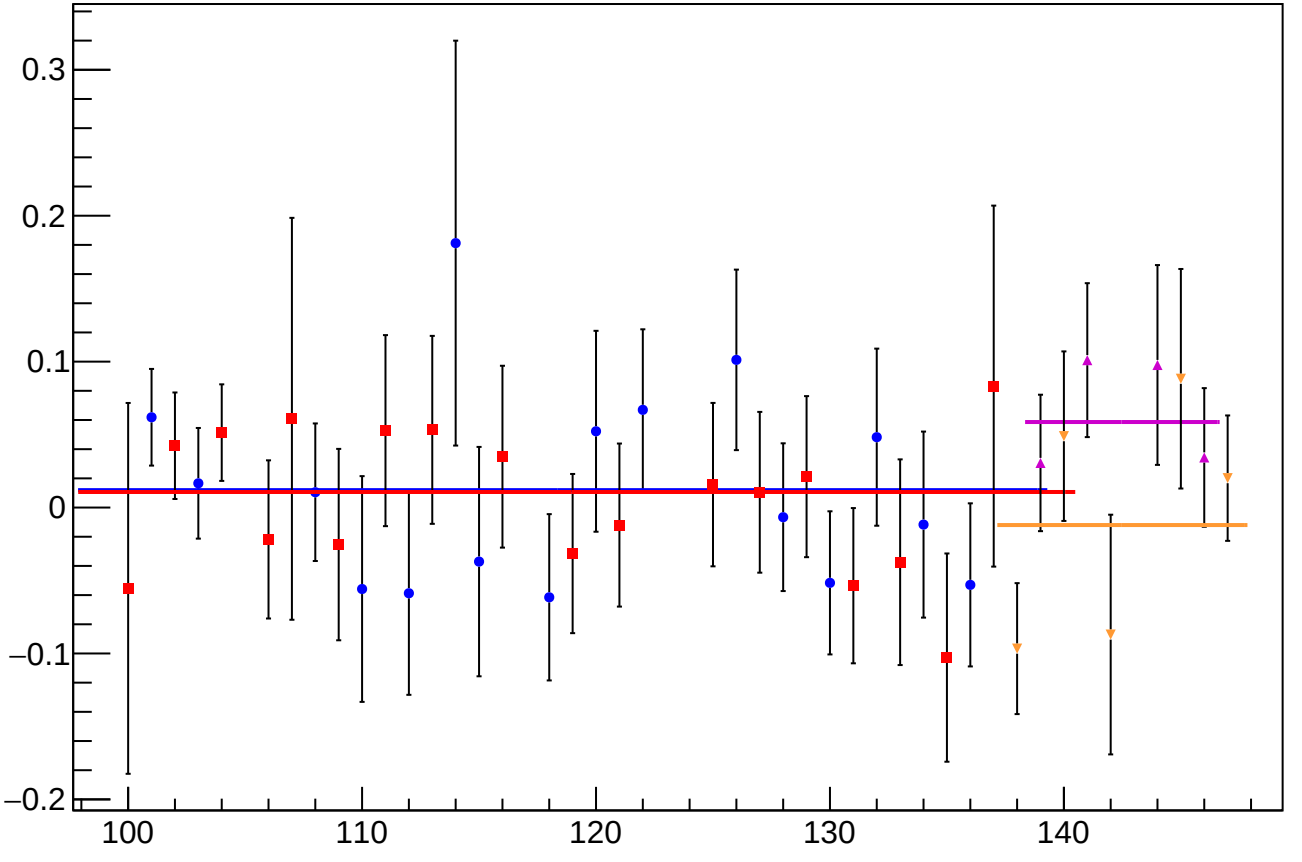
Left In: 0.000+/-0.000 χ^2/NDF:242940.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2635678.2/20

All: 0.000+/-0.000 χ^2/NDF: 5685111.8/42

- sign 0.000+/-0.000 χ^2/NDF: 3034308.8/21

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

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

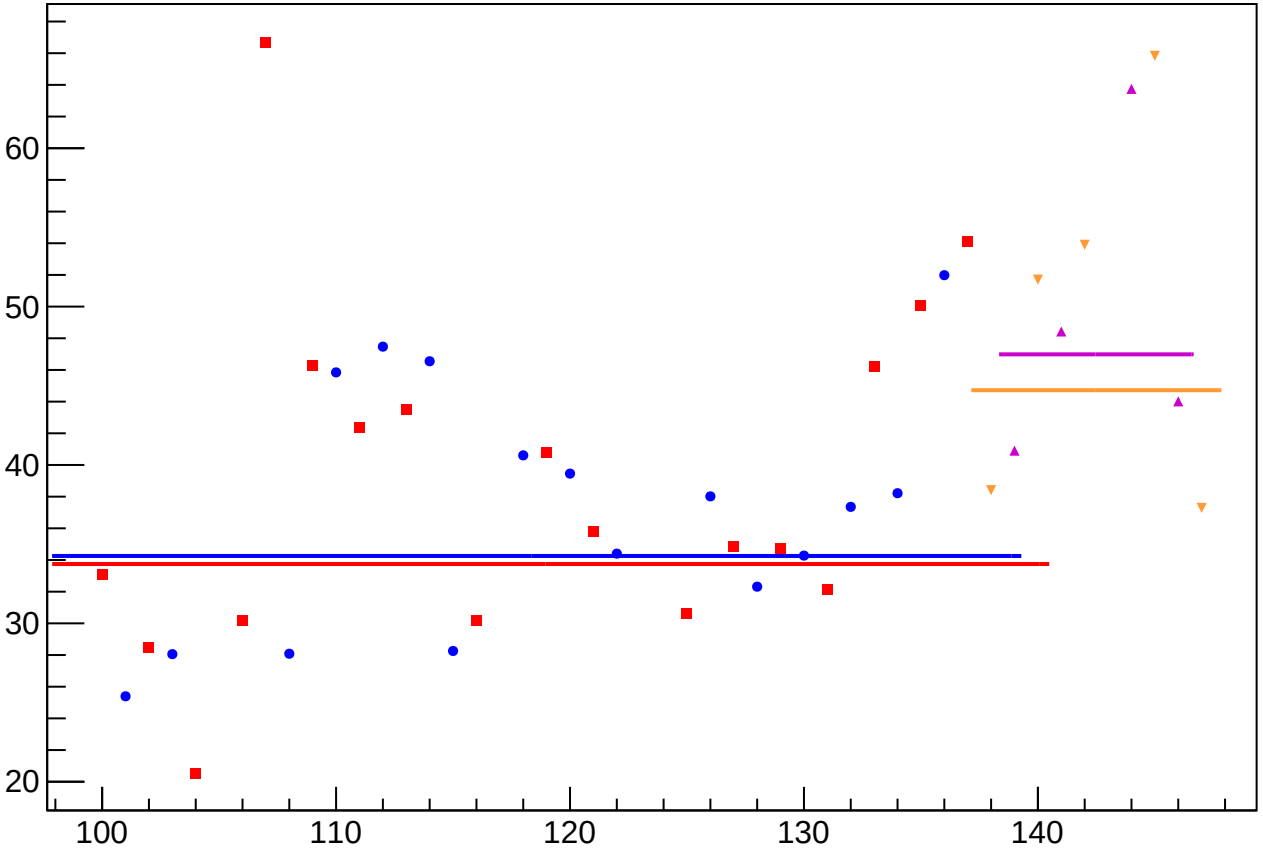
Left In: 0.059+/-0.026 χ^2/NDF:1.6/3

+ sign 0.006+/-0.012 χ^2/NDF: 23.3/20

All: 0.014+/-0.008 χ^2/NDF: 38.2/42

- sign 0.021+/-0.012 χ^2/NDF: 14.2/21

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 44.721+/-0.017 χ^2/NDF:310833.7/4

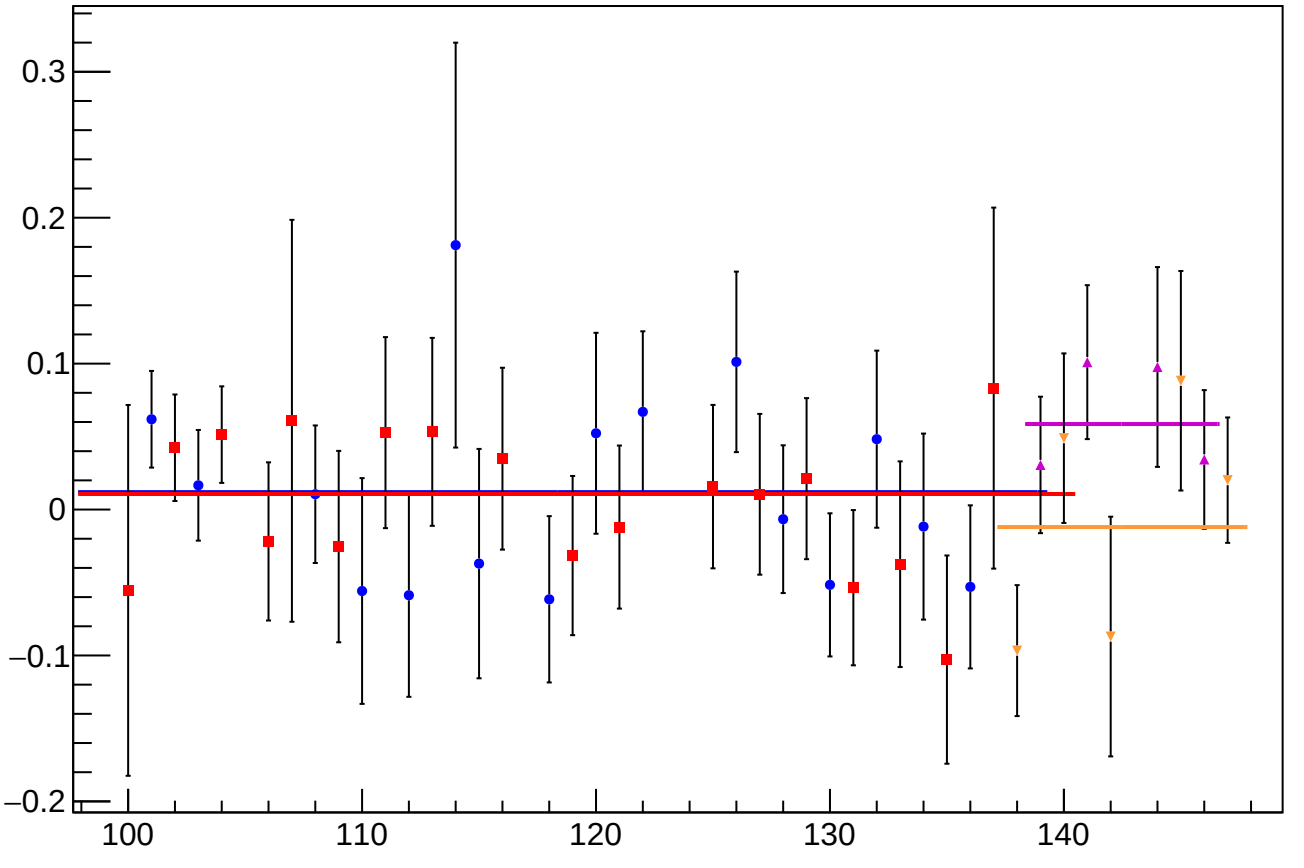
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

+ sign 36.716+/-0.008 χ^2/NDF: 1224907.1/20

All: 36.623+/-0.006 χ^2/NDF: 2707998.4/42

- sign 36.530+/-0.008 χ^2/NDF: 1482847.1/21



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

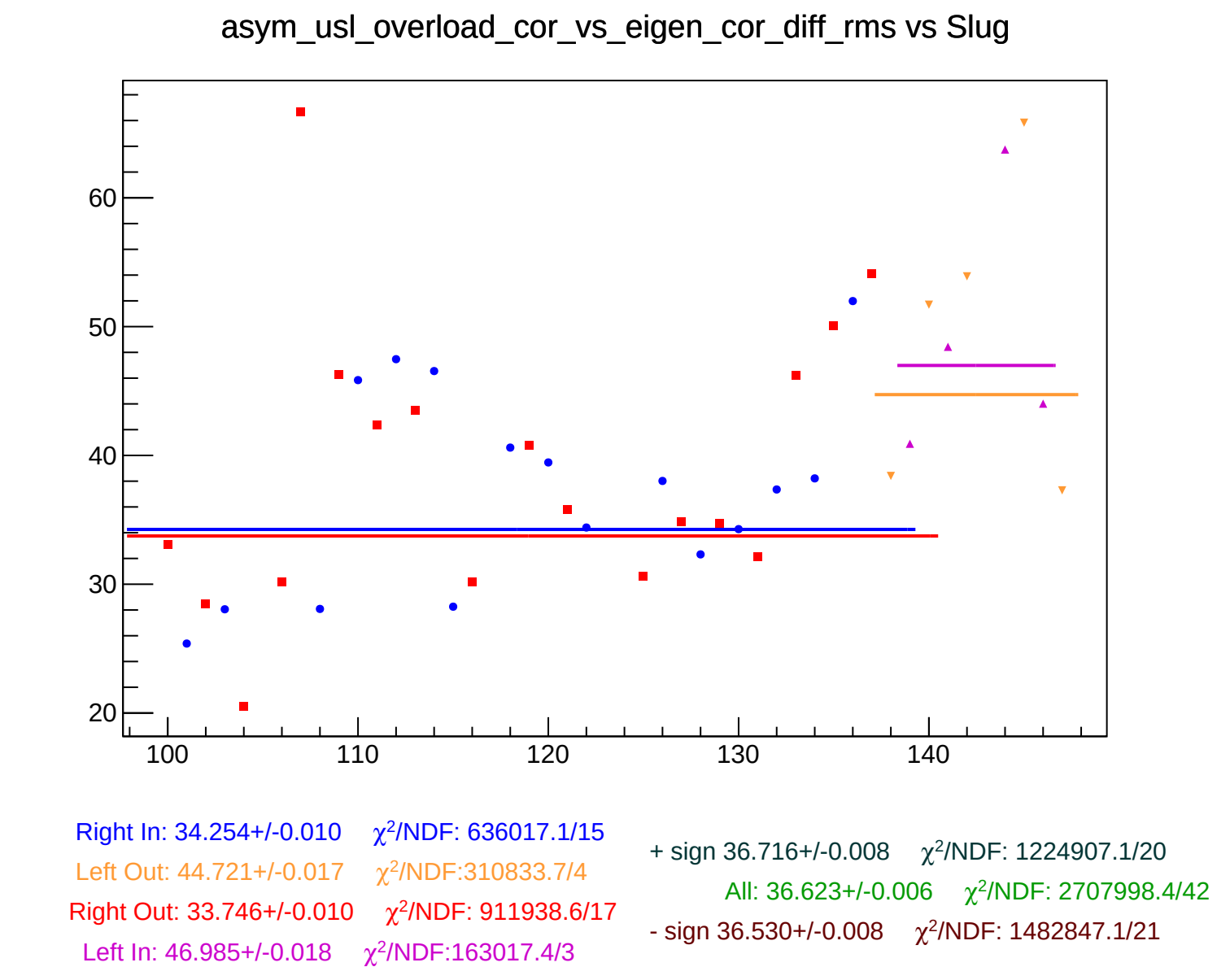
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

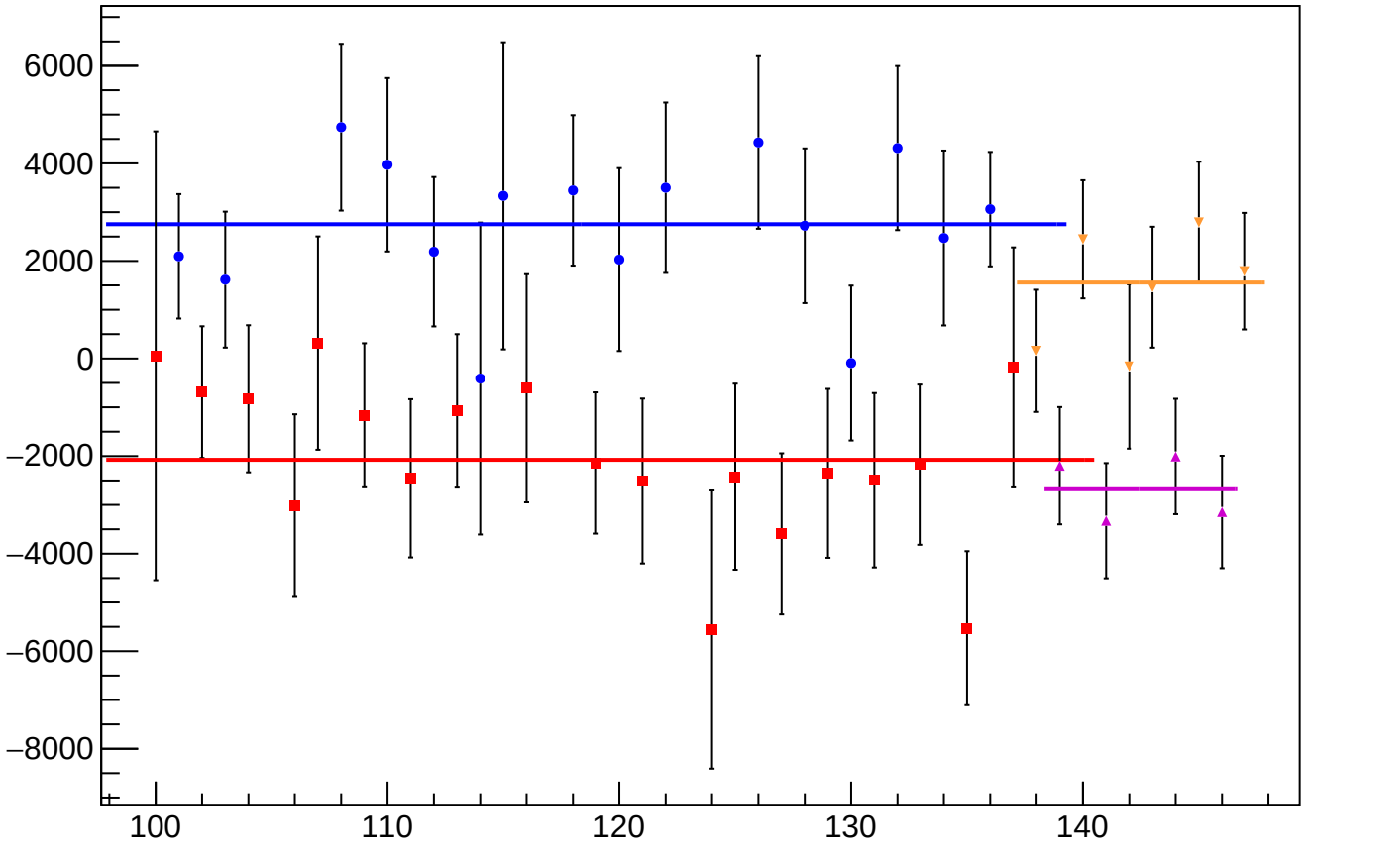
Left In: 0.059+/-0.026 χ^2/NDF:1.6/3

+ sign 0.006+/-0.012 χ^2/NDF: 23.3/20

All: 0.014+/-0.008 χ^2/NDF: 38.2/42

- sign 0.021+/-0.012 χ^2/NDF: 14.2/21


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 44.721+/-0.017 χ²/NDF:310833.7/4
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 46.985+/-0.018 χ²/NDF:163017.4/3
+ sign 36.716+/-0.008 χ²/NDF: 1224907.1/20
All: 36.623+/-0.006 χ²/NDF: 2707998.4/42
- sign 36.530+/-0.008 χ²/NDF: 1482847.1/21



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

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

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

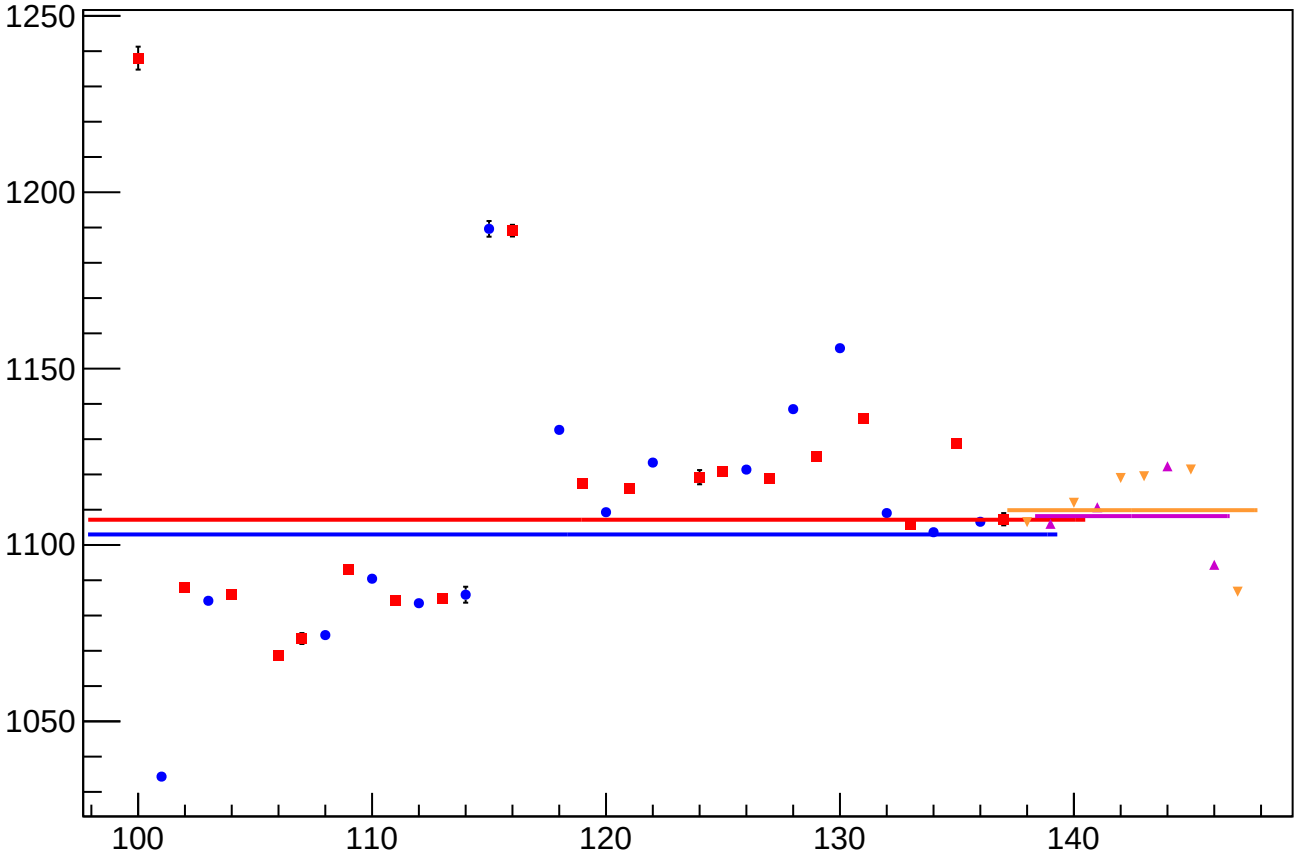
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 89.329+/-231.658 χ^2/NDF: 127.8/44

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

reg_asym_usr_rms vs Slug



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

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

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

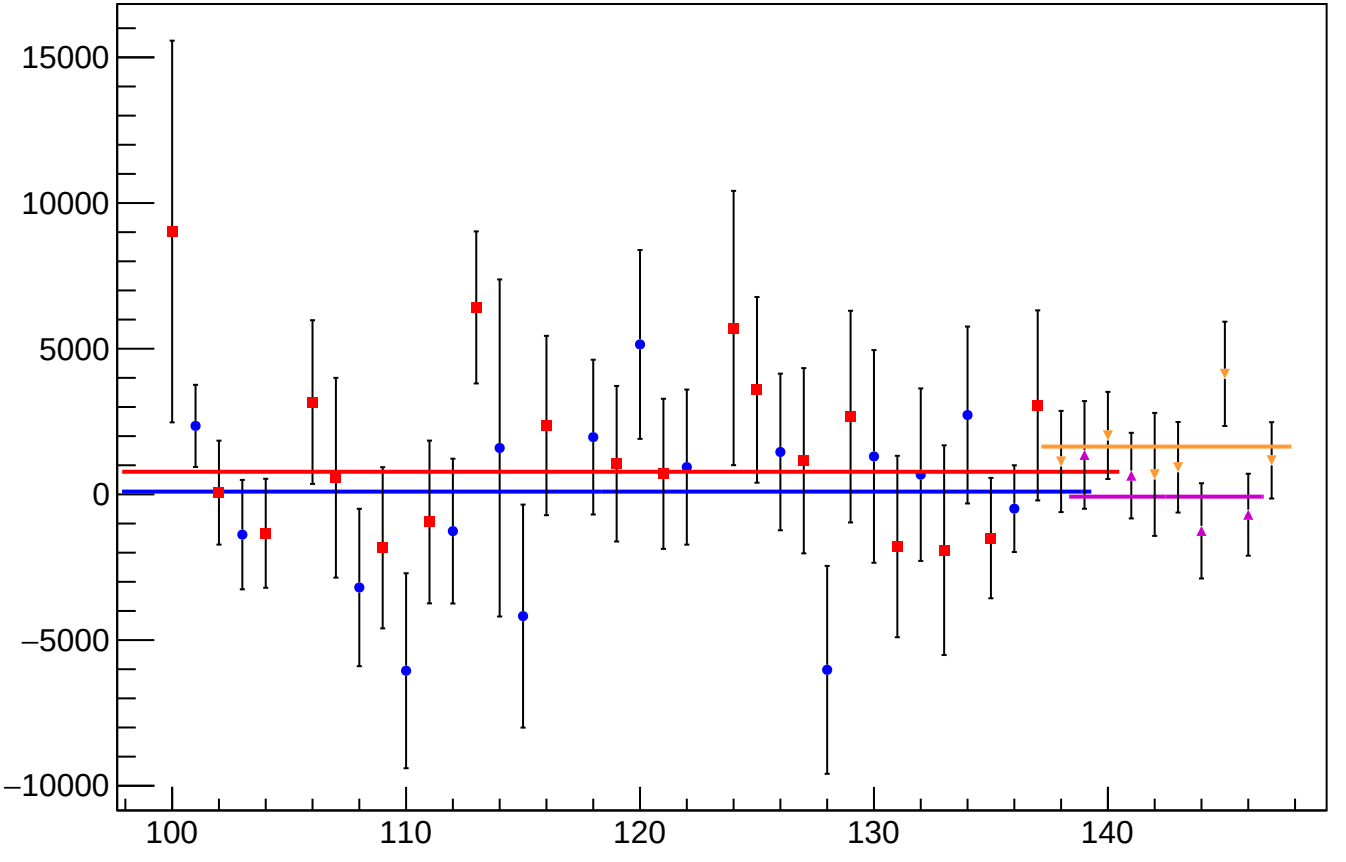
Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

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

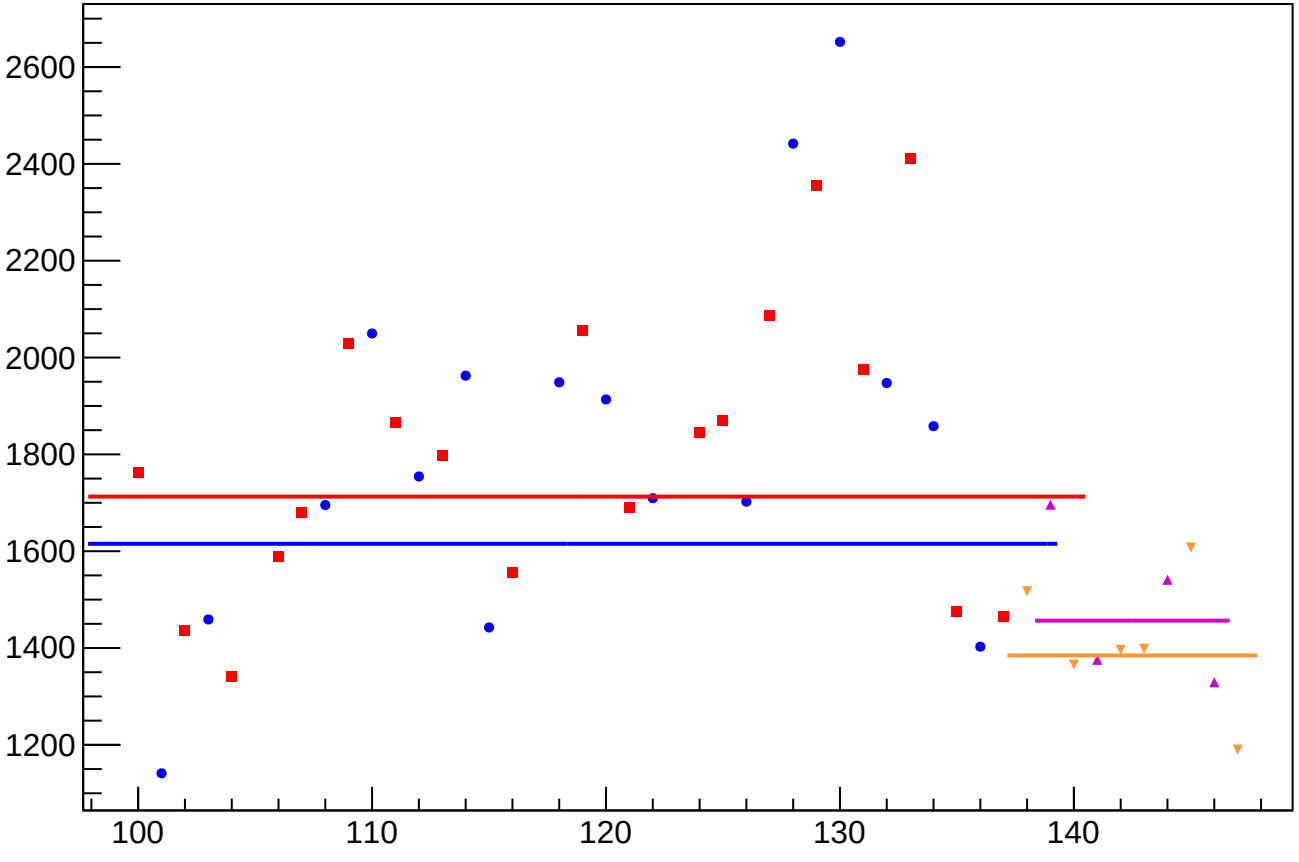
Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 646.022+/-332.751 χ^2/NDF: 40.2/44

- sign 436.340+/-493.801 χ^2/NDF: 17.3/22

asym_usr_reg_correction_rms vs Slug



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

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

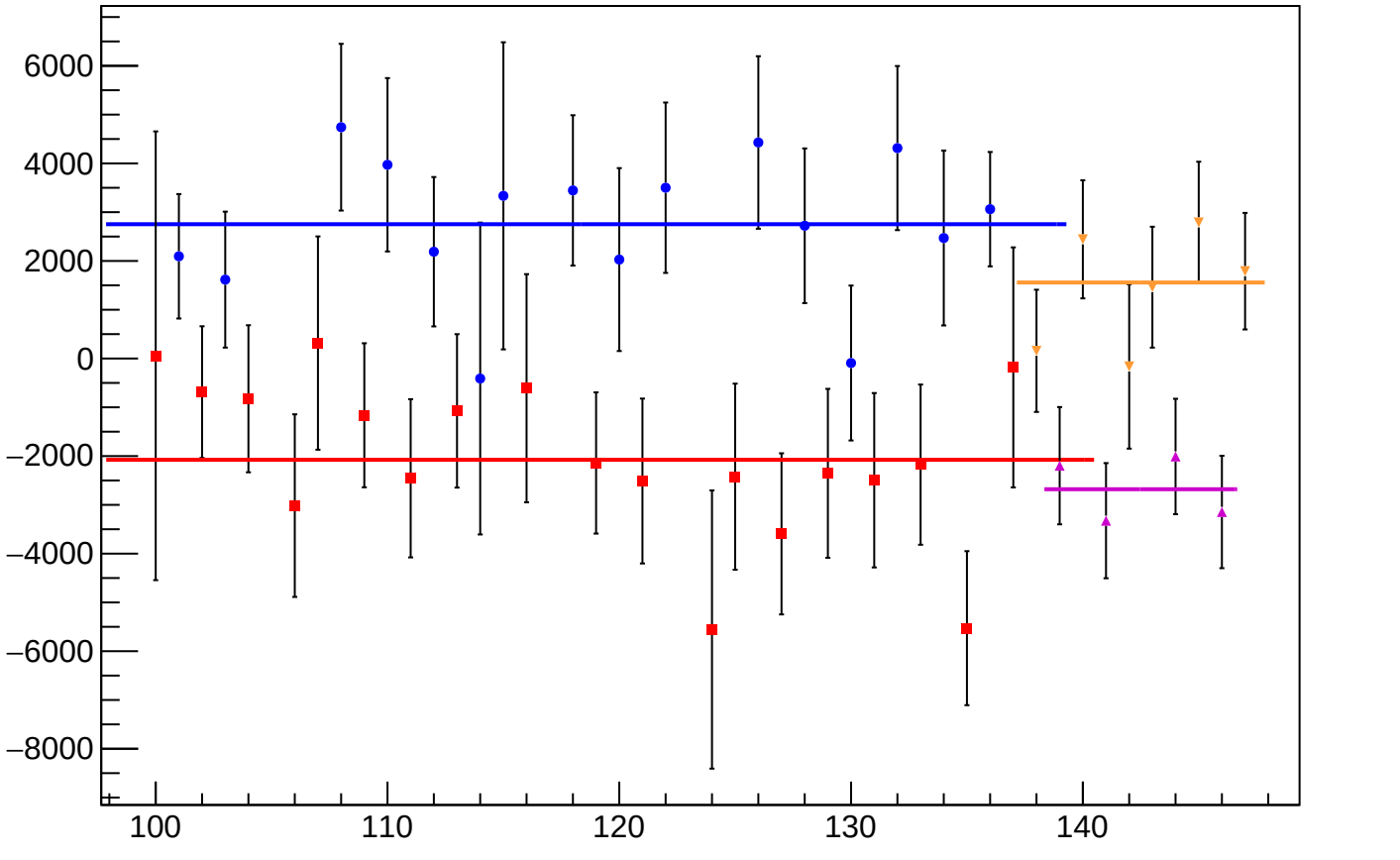
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22



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

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

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

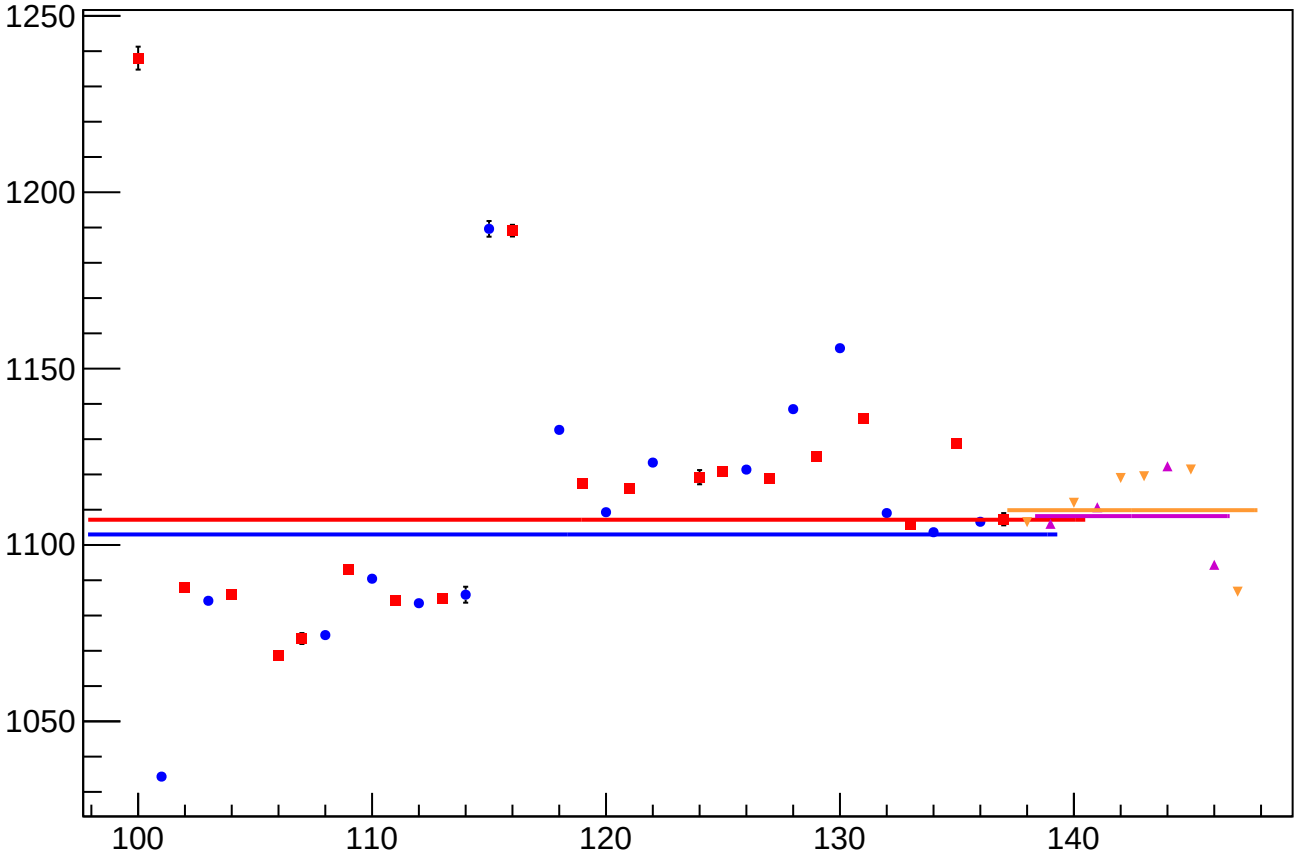
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 89.329+/-231.658 χ^2/NDF: 127.8/44

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

cor_asym_usr_rms vs Slug



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

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

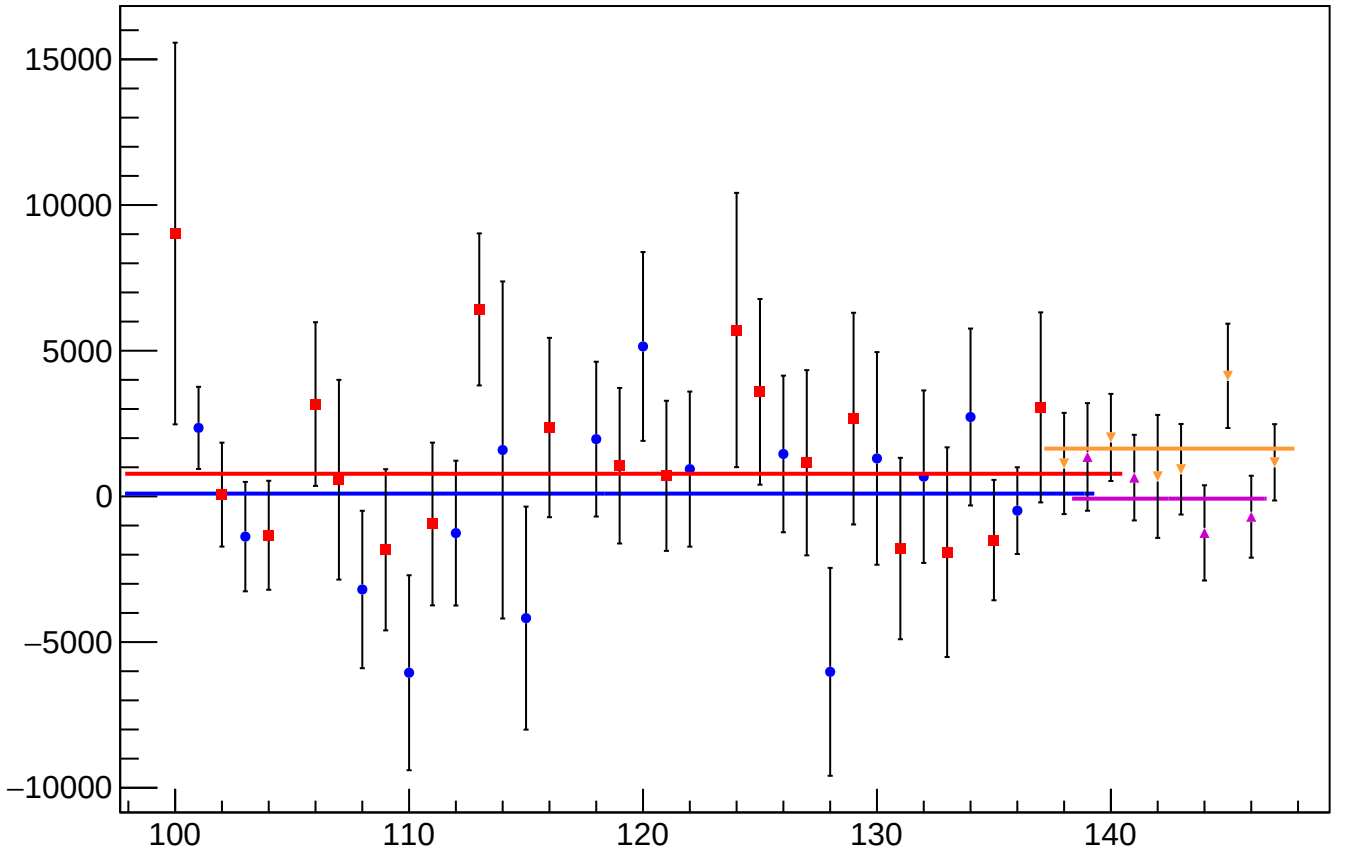
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

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

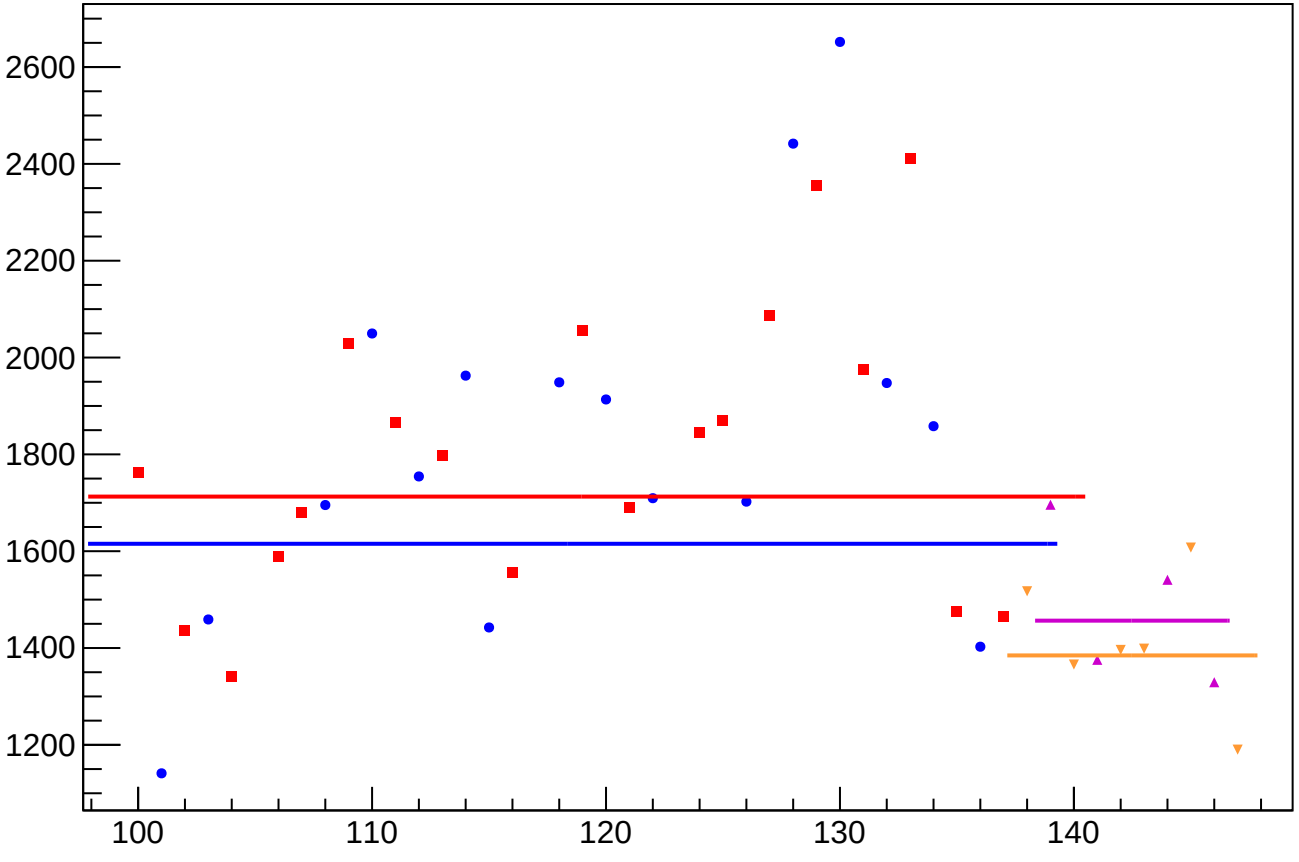
Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 646.022+/-332.751 χ^2/NDF: 40.2/44

- sign 436.340+/-493.801 χ^2/NDF: 17.3/22

asym_usr_cor_correction_rms vs Slug



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

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

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

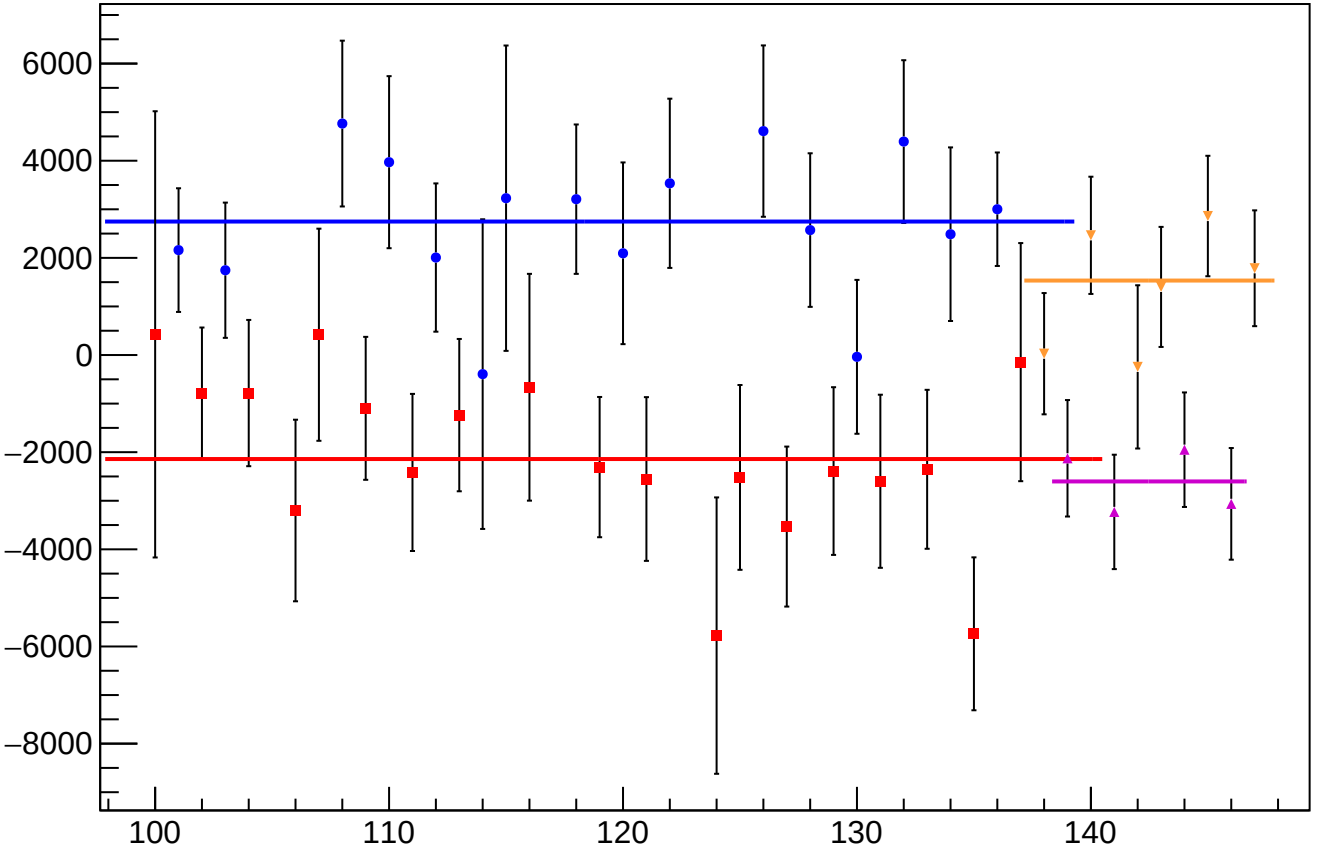
Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1533.207+/-520.456 χ^2/NDF:4.4/5

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

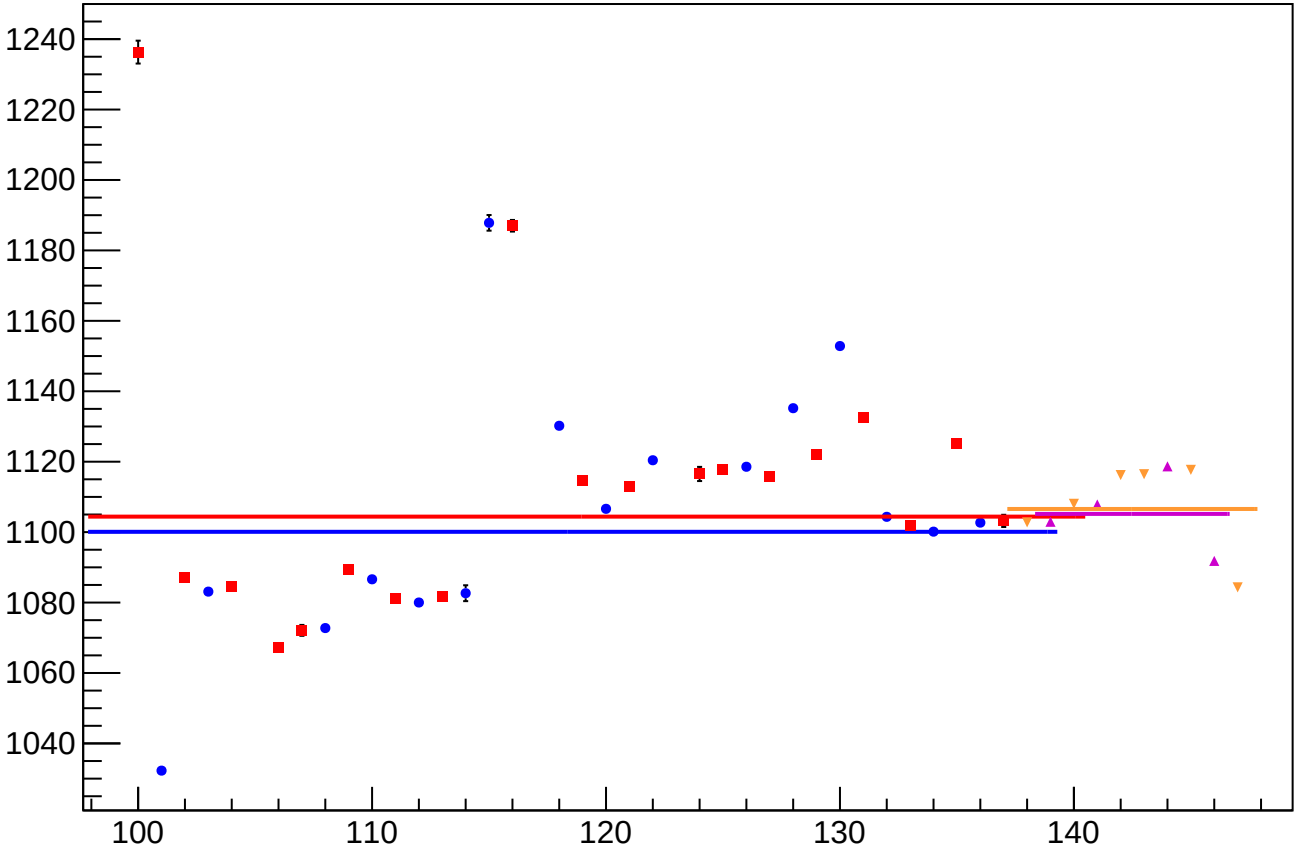
Left In: -2602.411+/-587.901 χ^2/NDF:0.9/3

+ sign 2284.511+/-321.466 χ^2/NDF: 17.2/21

All: 73.635+/-231.040 χ^2/NDF: 130.0/44

- sign -2288.514+/-332.282 χ^2/NDF: 14.9/22

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1106.576+/-0.368 χ^2/NDF:1072.6/5

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

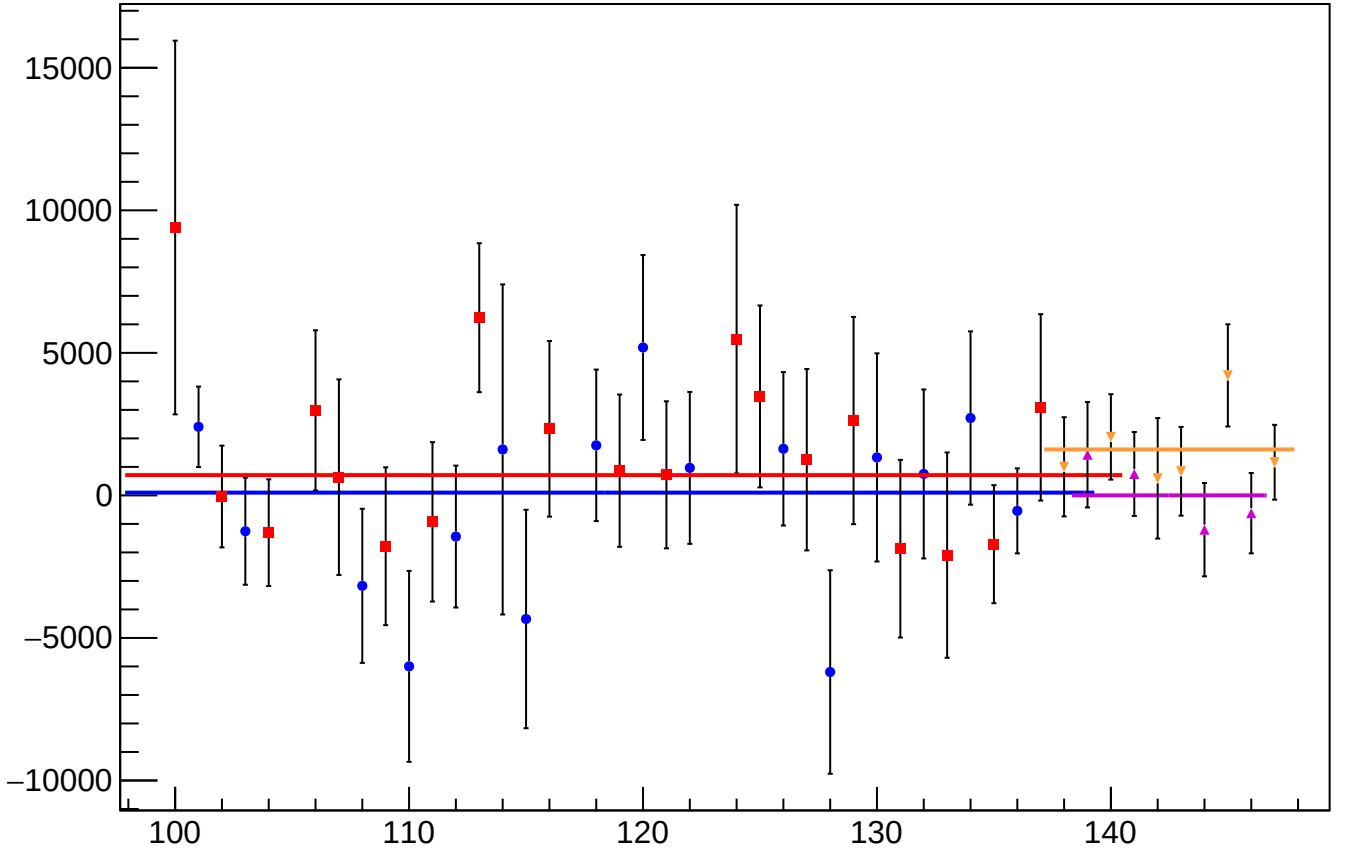
Left In: 1105.175+/-0.416 χ^2/NDF:549.1/3

+ sign 1102.565+/-0.227 χ^2/NDF: 14341.8/21

All: 1103.573+/-0.163 χ^2/NDF: 23477.4/44

- sign 1104.650+/-0.235 χ^2/NDF: 9094.9/22

asym_usr_overload_cor_correction_mean vs Slug



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

Left Out: 1611.737+/-658.752 χ^2/NDF:2.9/5

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

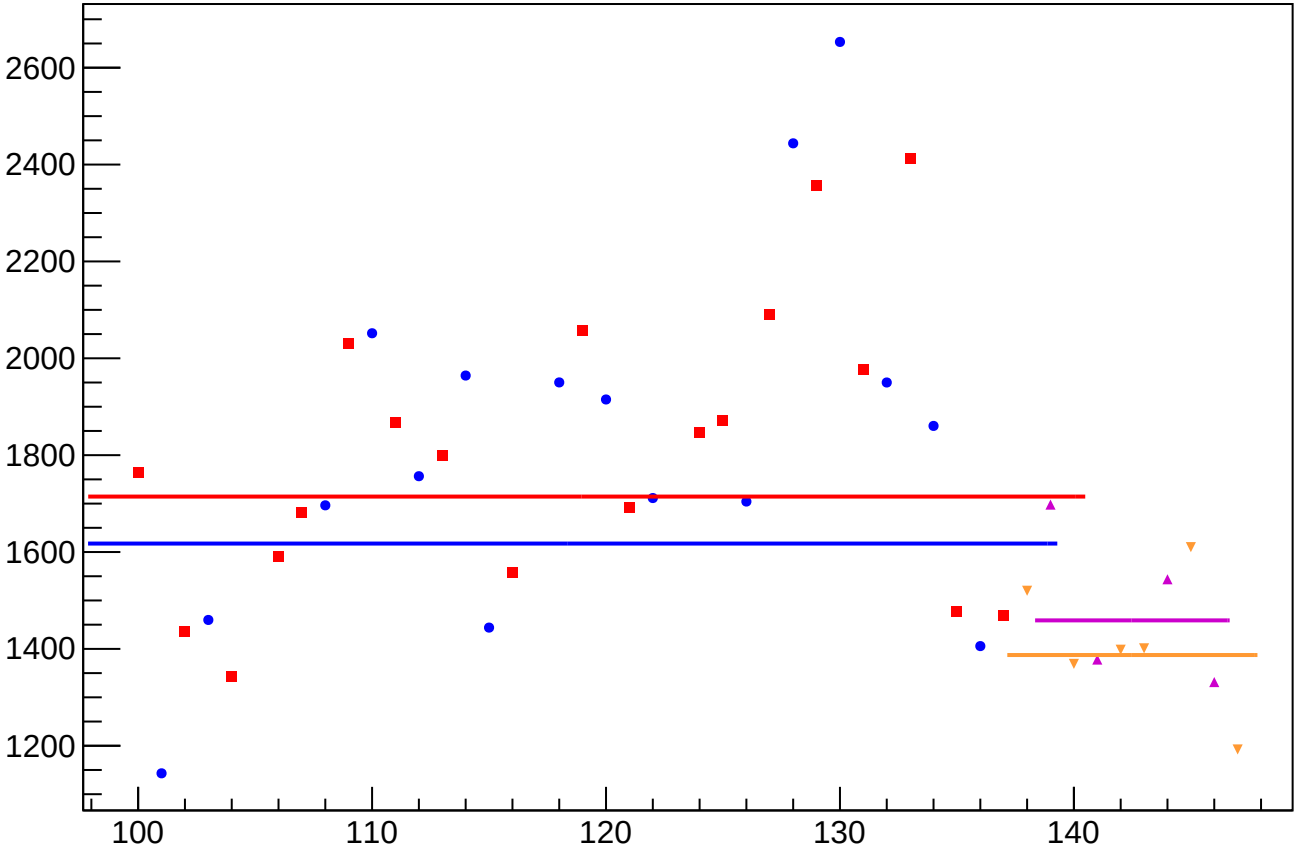
Left In: 0.807+/-782.969 χ^2/NDF:1.6/3

+ sign 807.369+/-451.050 χ^2/NDF: 22.9/21

All: 635.044+/-333.214 χ^2/NDF: 40.3/44

- sign 428.005+/-494.400 χ^2/NDF: 17.0/22

asym_usr_overload_cor_correction_rms vs Slug



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

Left Out: 1387.342+/-0.466 χ^2/NDF:87167.2/5

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

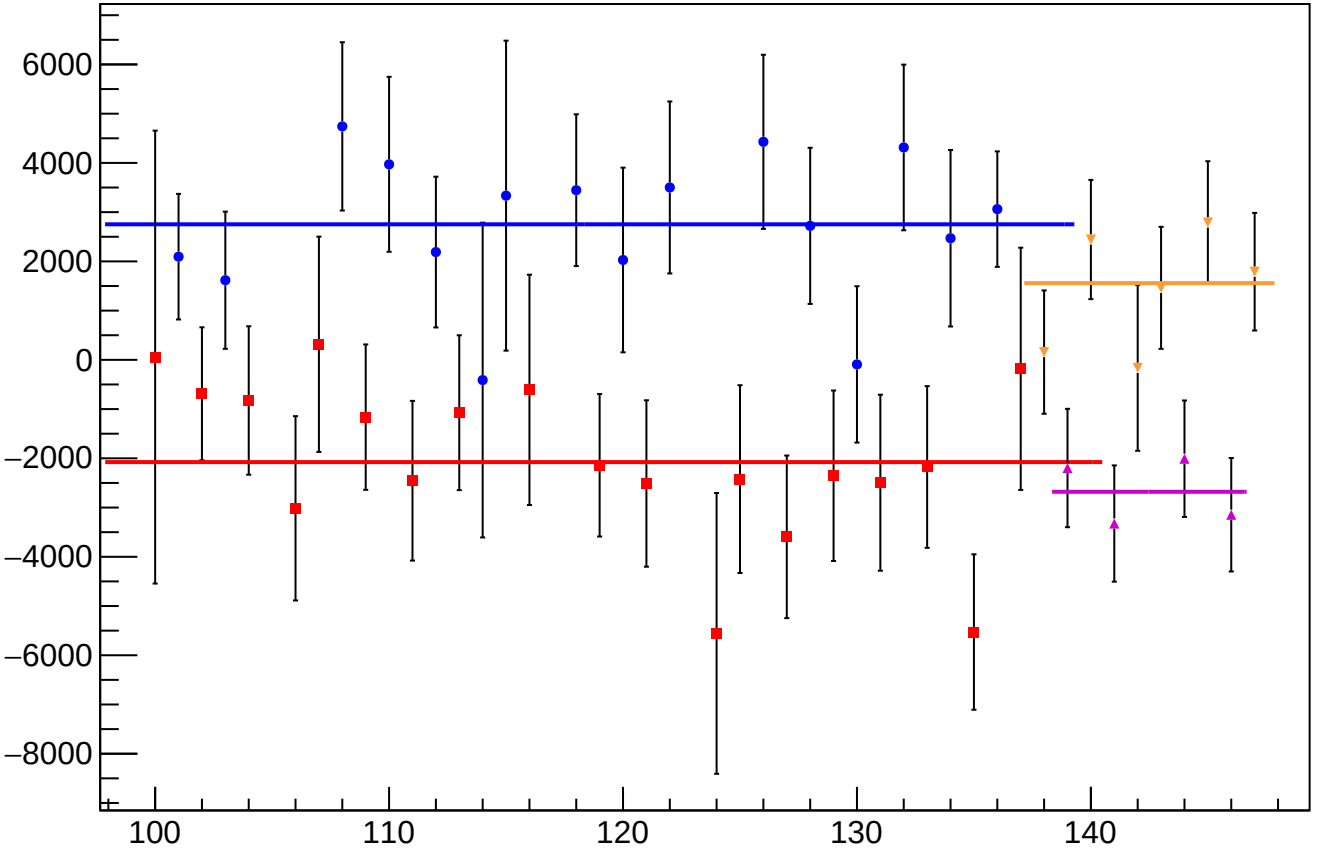
Left In: 1458.874+/-0.554 χ^2/NDF:61193.8/3

+ sign 1509.593+/-0.319 χ^2/NDF: 908564.9/21

All: 1556.375+/-0.236 χ^2/NDF: 1573023.4/44

- sign 1612.581+/-0.350 χ^2/NDF: 617094.1/22

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

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

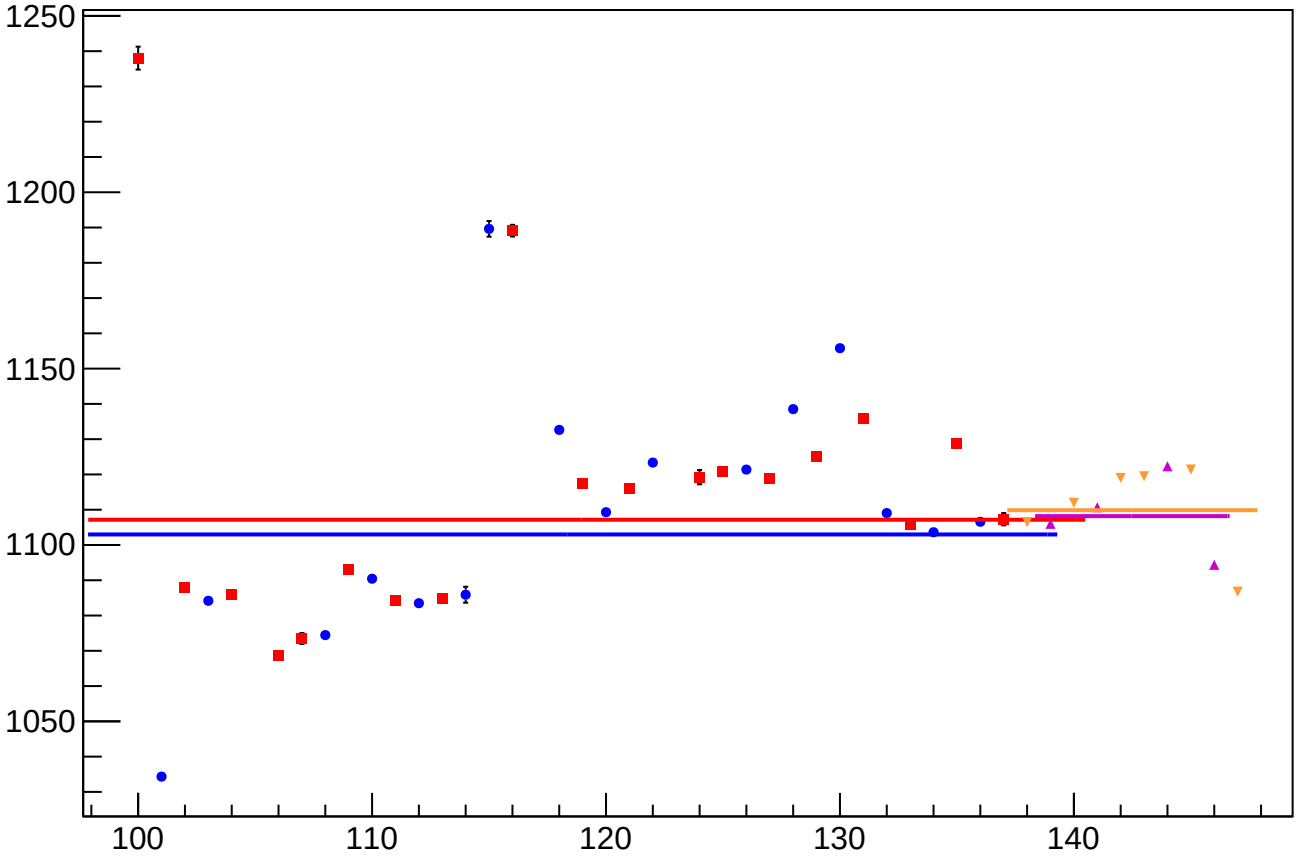
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 89.329+/-231.658 χ^2/NDF: 127.8/44

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

eigen_cor_asym_usr_rms vs Slug



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

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

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

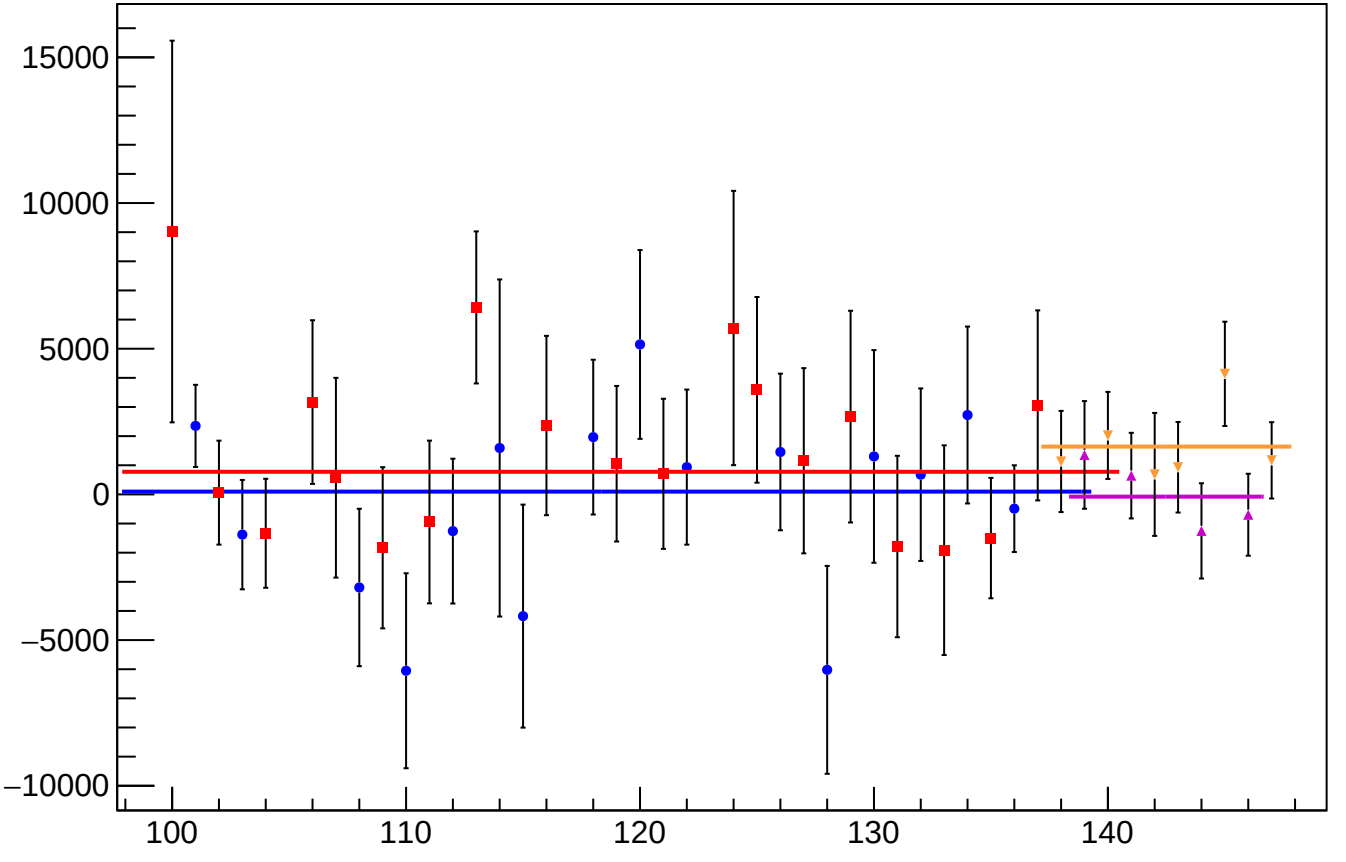
Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

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

Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 646.022+/-332.751 χ^2/NDF: 40.2/44

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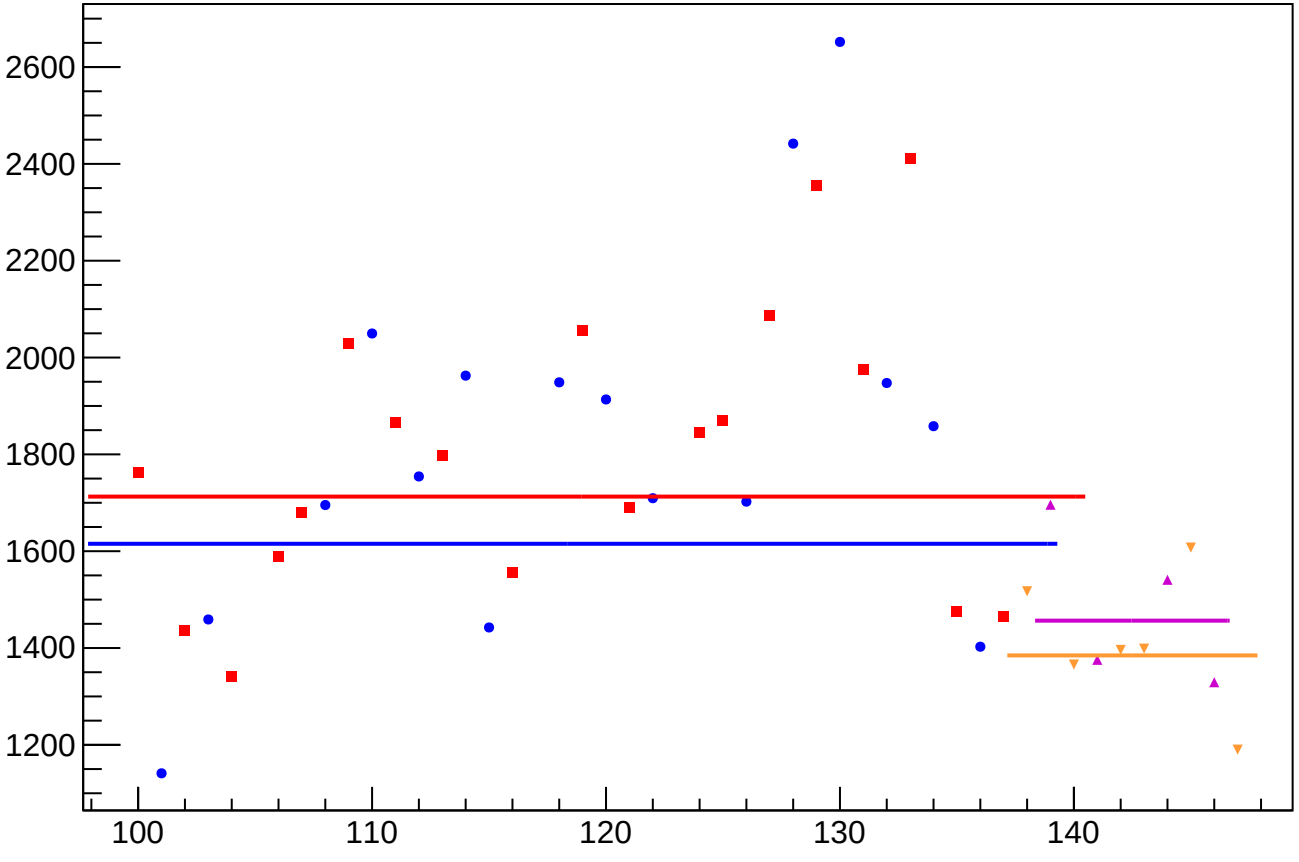
asym_usr_eigen_cor_correction_rms vs Slug



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

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

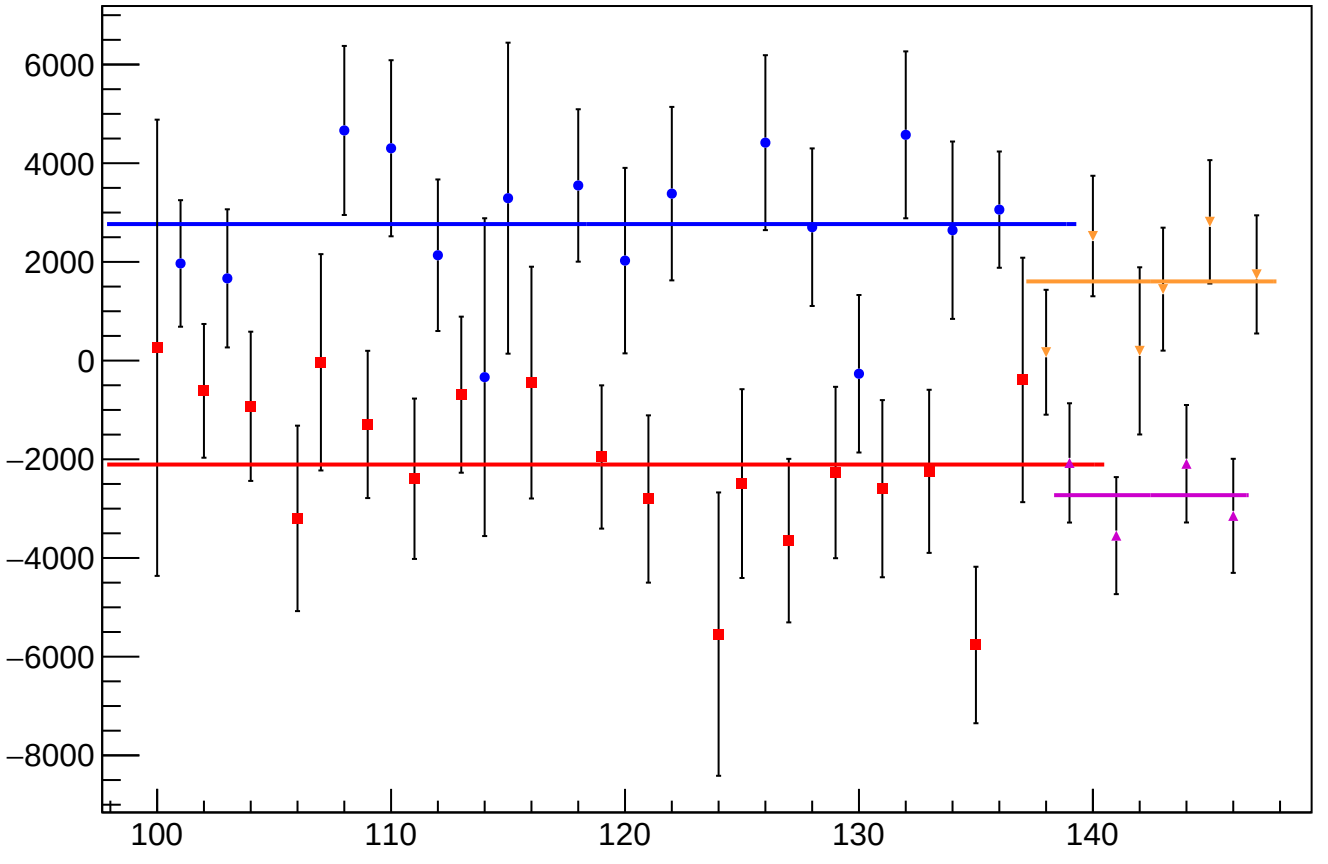
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22



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

Left Out: 1604.647+/-525.219 χ^2/NDF:3.5/5

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

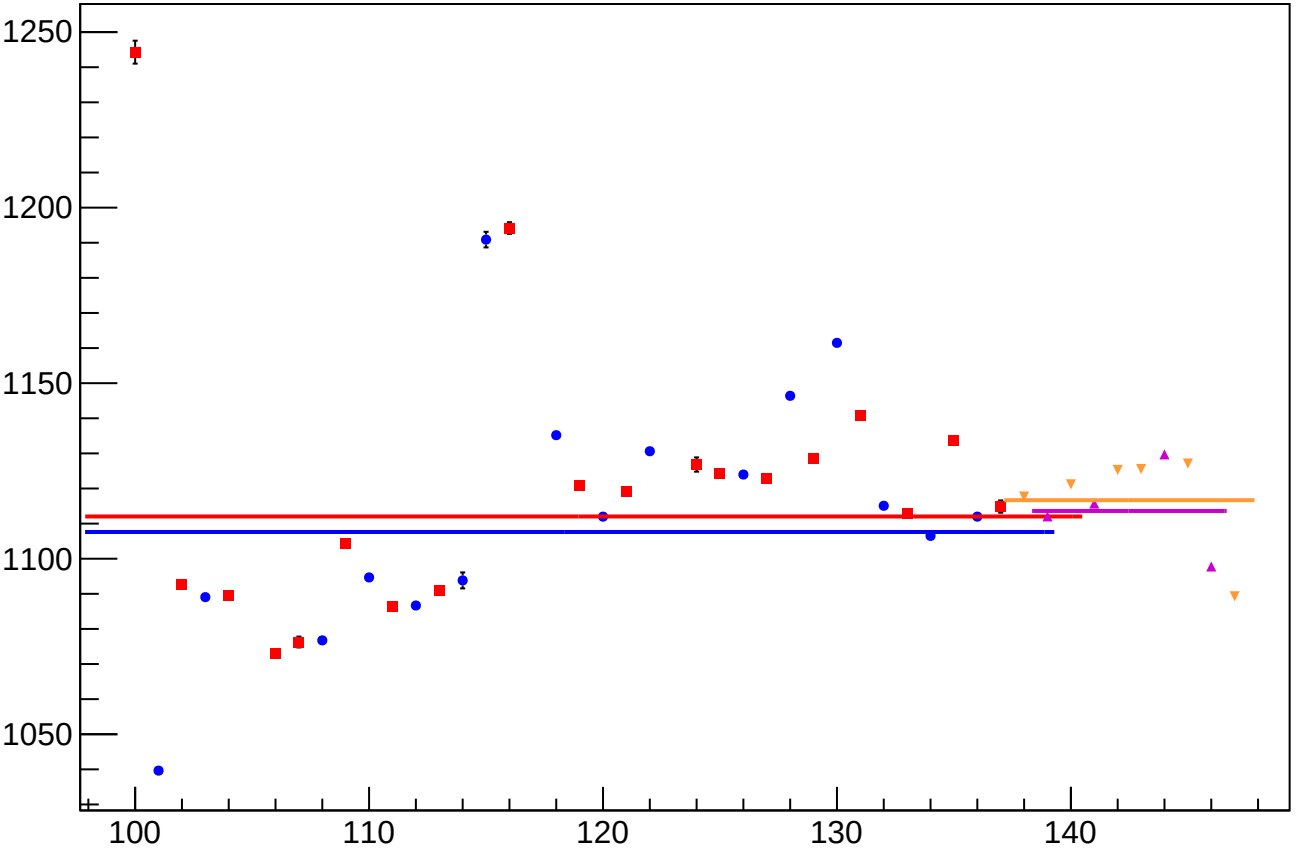
Left In: -2727.042+/-592.406 χ^2/NDF:1.2/3

+ sign 2324.589+/-323.952 χ^2/NDF: 16.9/21

All: 85.357+/-232.764 χ^2/NDF: 130.9/44

- sign -2304.444+/-334.666 χ^2/NDF: 15.3/22

dit_asym_usr_rms vs Slug



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

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

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

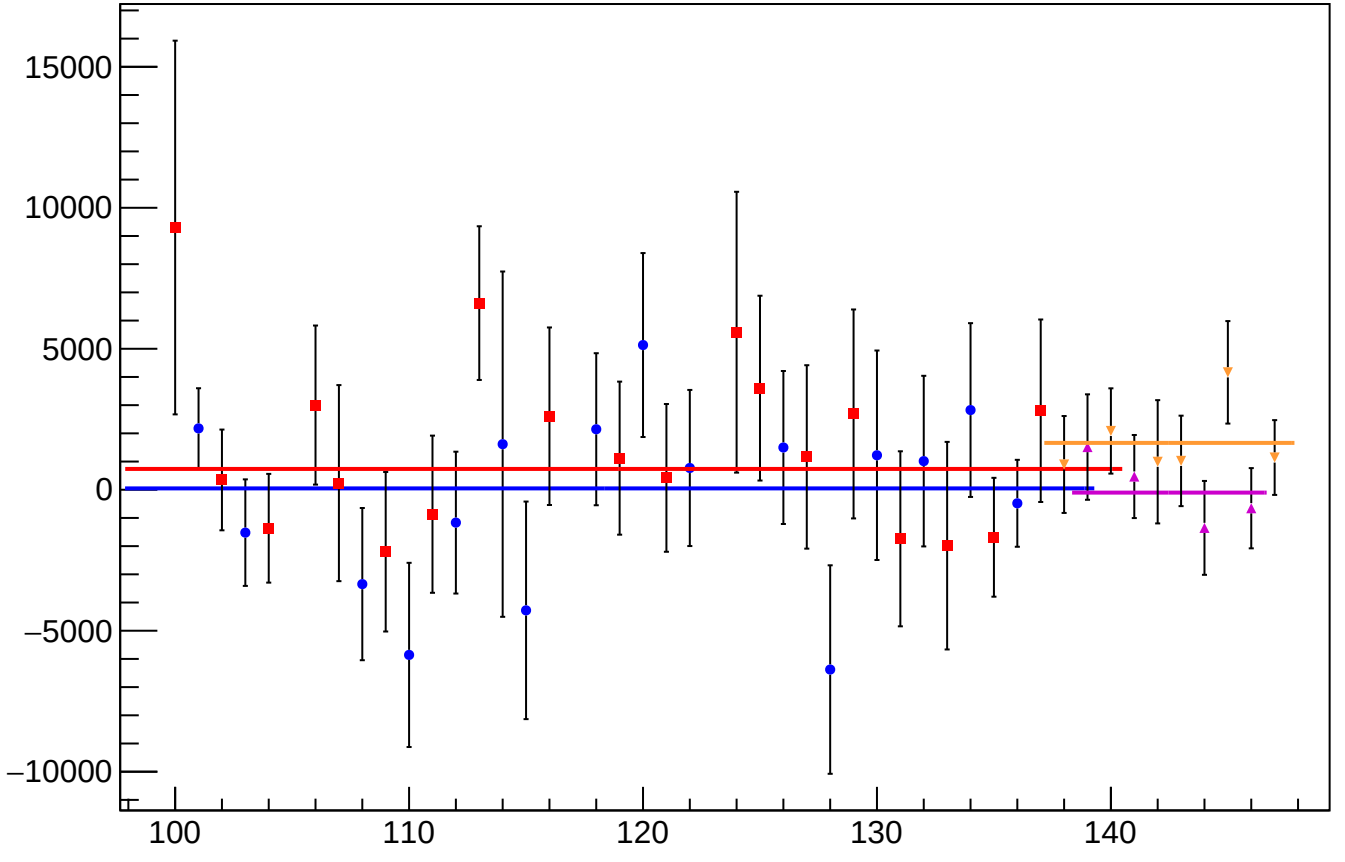
Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

+ sign 1111.058+/-0.229 χ^2/NDF: 14955.6/21

All: 1111.770+/-0.165 χ^2/NDF: 24388.8/44

- sign 1112.530+/-0.237 χ^2/NDF: 9413.2/22

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1661.686+/-667.409 χ^2/NDF:2.6/5

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

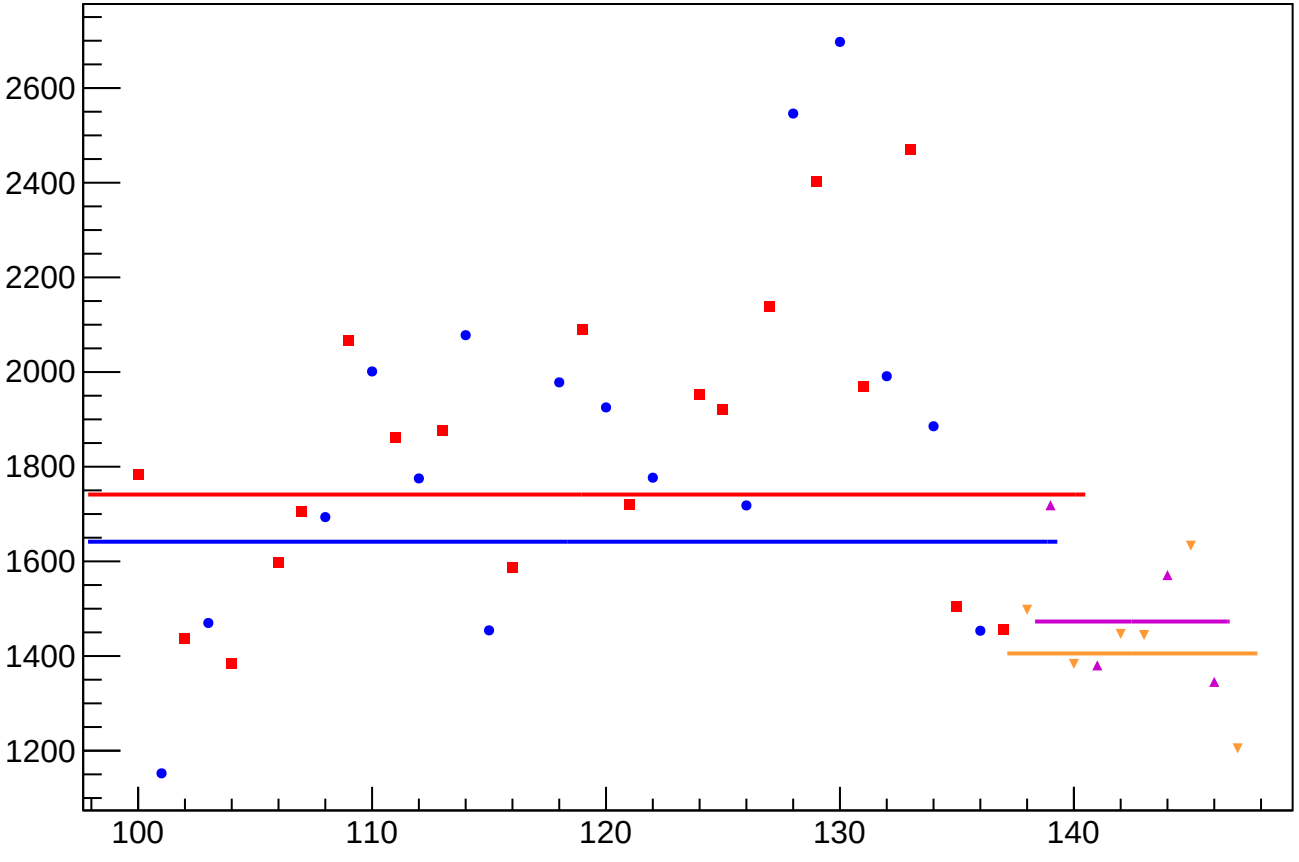
Left In: -101.434+/-790.243 χ^2/NDF:1.6/3

+ sign 805.777+/-457.384 χ^2/NDF: 22.6/21

All: 621.645+/-337.783 χ^2/NDF: 40.1/44

- sign 400.737+/-500.983 χ^2/NDF: 17.2/22

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1405.496+/-0.472 χ^2/NDF:85233.6/5

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

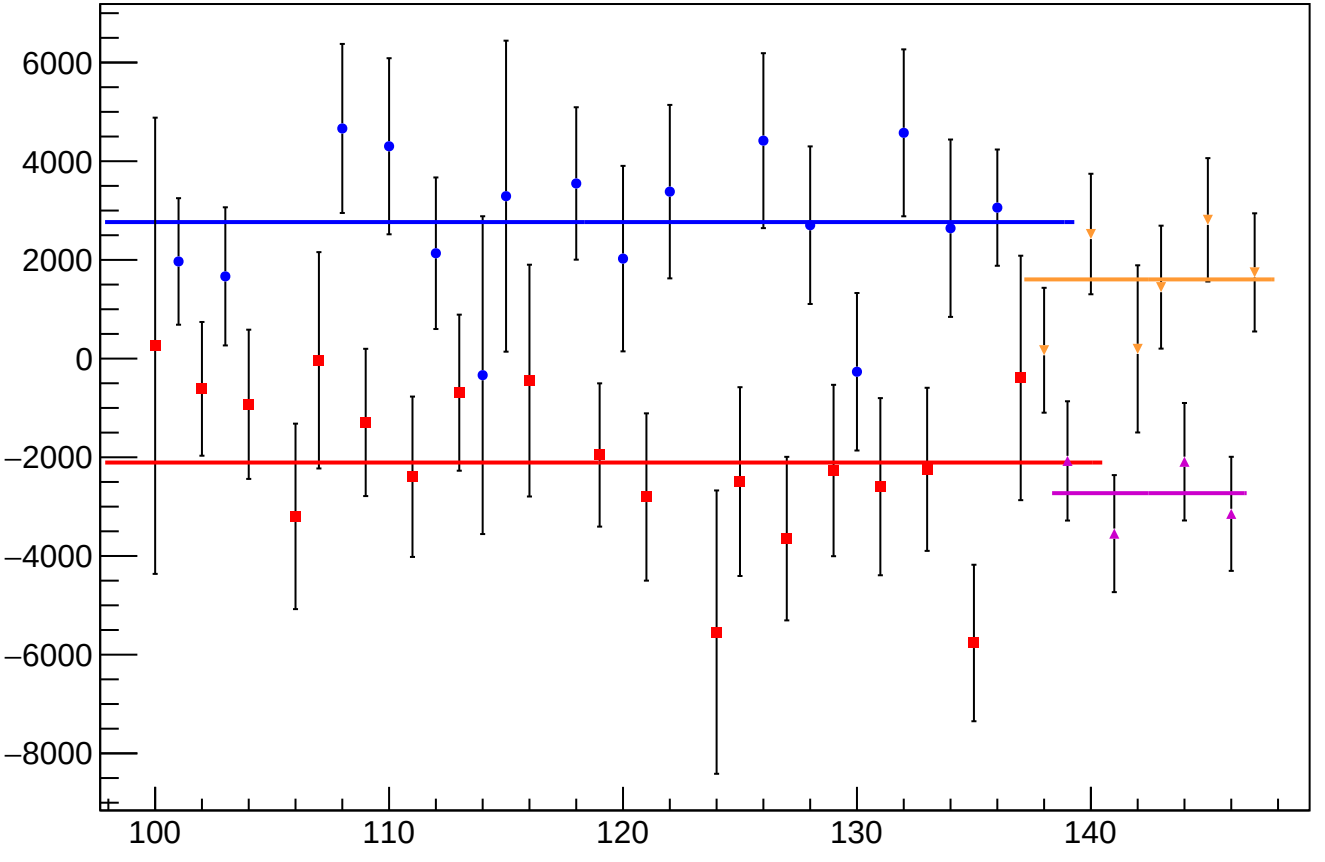
Left In: 1472.913+/-0.559 χ^2/NDF:65422.9/3

+ sign 1530.680+/-0.323 χ^2/NDF: 919218.3/21

All: 1577.365+/-0.239 χ^2/NDF: 1606684.5/44

- sign 1633.374+/-0.354 χ^2/NDF: 641631.9/22

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1604.649+/-525.219 χ^2/NDF:3.5/5

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

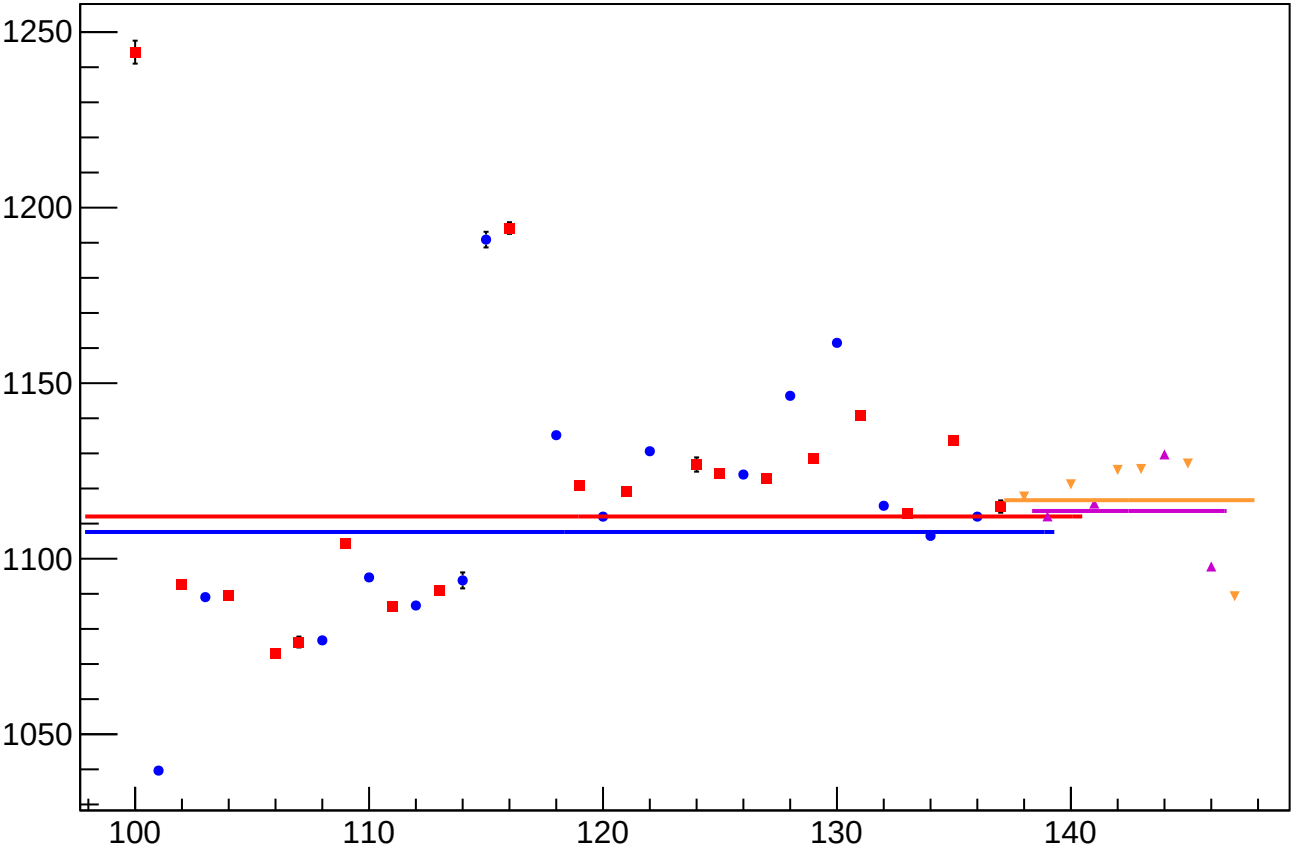
Left In: -2727.039+/-592.406 χ^2/NDF:1.2/3

+ sign 2324.589+/-323.951 χ^2/NDF: 16.9/21

All: 85.357+/-232.764 χ^2/NDF: 130.9/44

- sign -2304.444+/-334.666 χ^2/NDF: 15.3/22

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

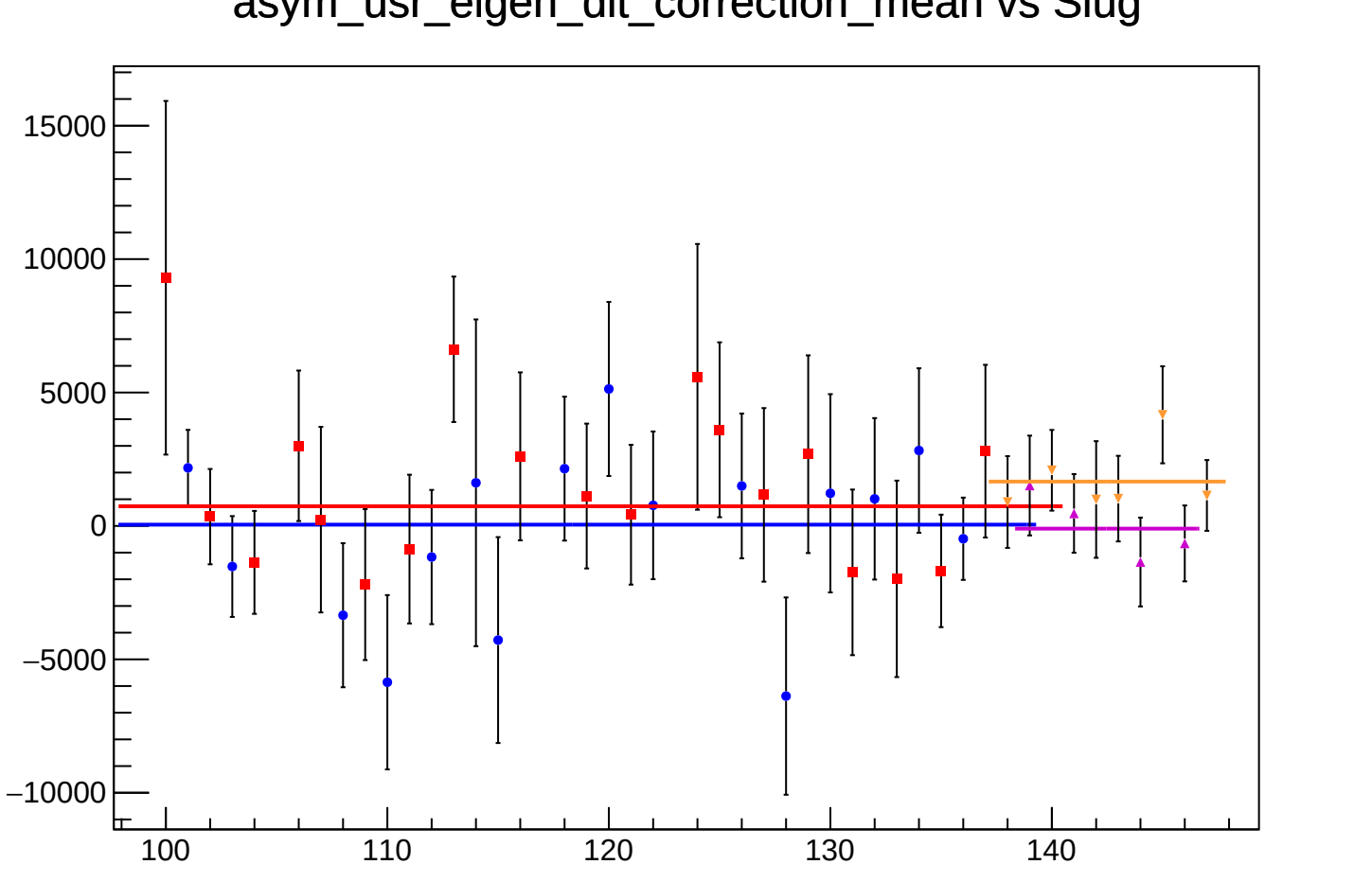
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

+ sign 1111.058+/-0.229 χ^2/NDF: 14955.5/21

All: 1111.770+/-0.165 χ^2/NDF: 24388.7/44

- sign 1112.530+/-0.237 χ^2/NDF: 9413.3/22



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

Left Out: 1661.687+/-667.411 χ^2/NDF:2.6/5

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

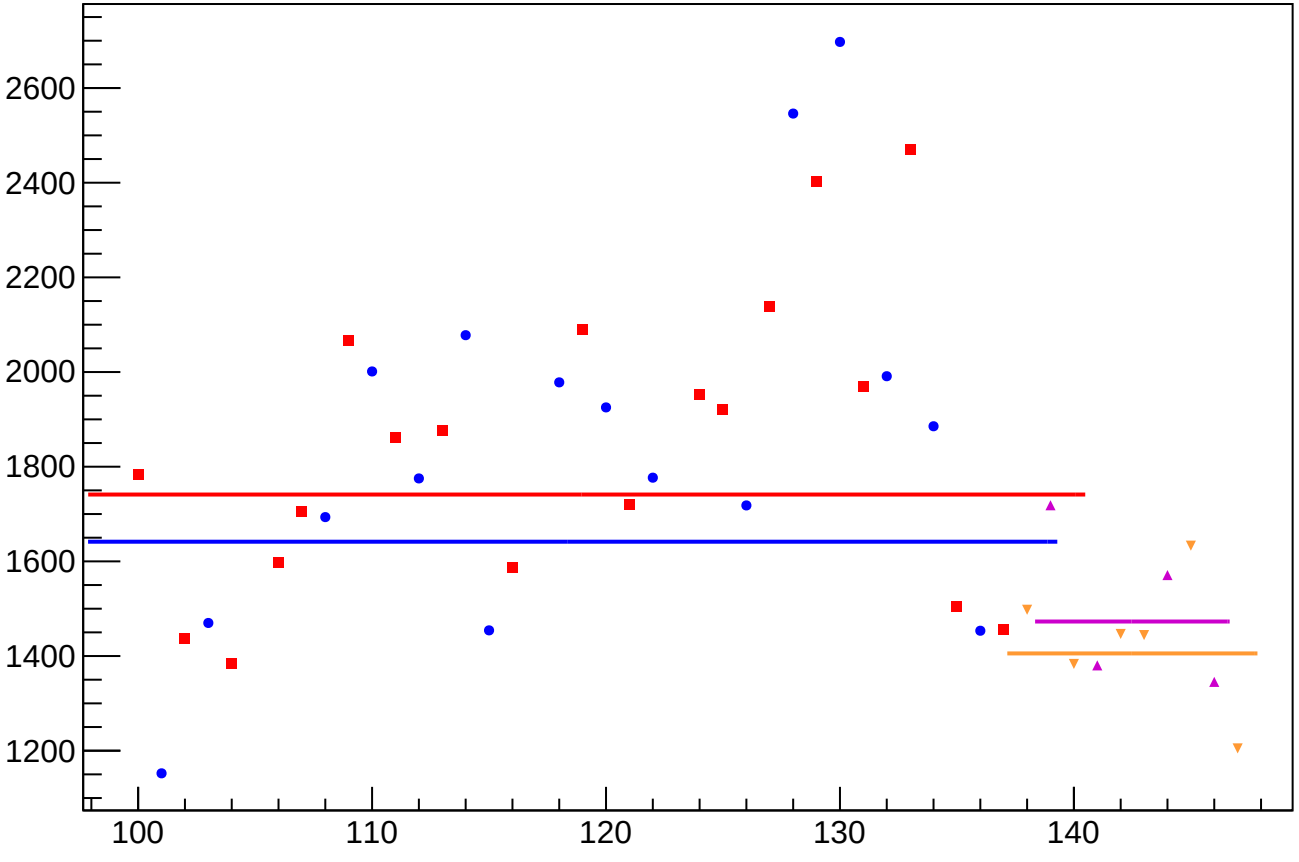
Left In: -101.432+/-790.245 χ^2/NDF:1.6/3

+ sign 805.772+/-457.384 χ^2/NDF: 22.6/21

All: 621.645+/-337.783 χ^2/NDF: 40.1/44

- sign 400.742+/-500.983 χ^2/NDF: 17.2/22

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1405.499+/-0.472 χ^2/NDF:85235.2/5

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

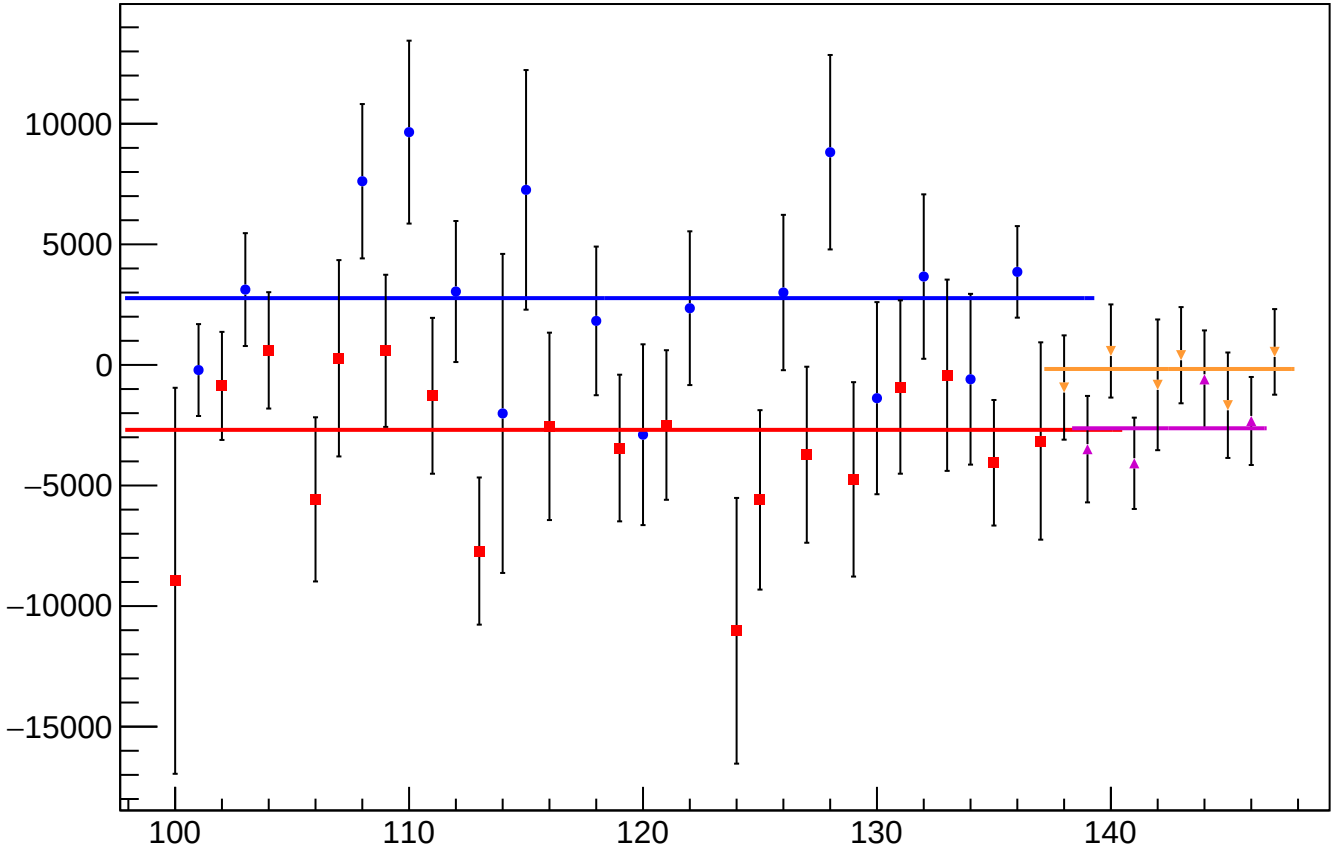
Left In: 1472.916+/-0.559 χ^2/NDF:65424.7/3

+ sign 1530.681+/-0.323 χ^2/NDF: 919201.9/21

All: 1577.366+/-0.239 χ^2/NDF: 1606652.6/44

- sign 1633.375+/-0.354 χ^2/NDF: 641616.2/22

asym_usr_mean vs Slug



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -167.937+/-846.431 χ^2/NDF:1.0/5

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

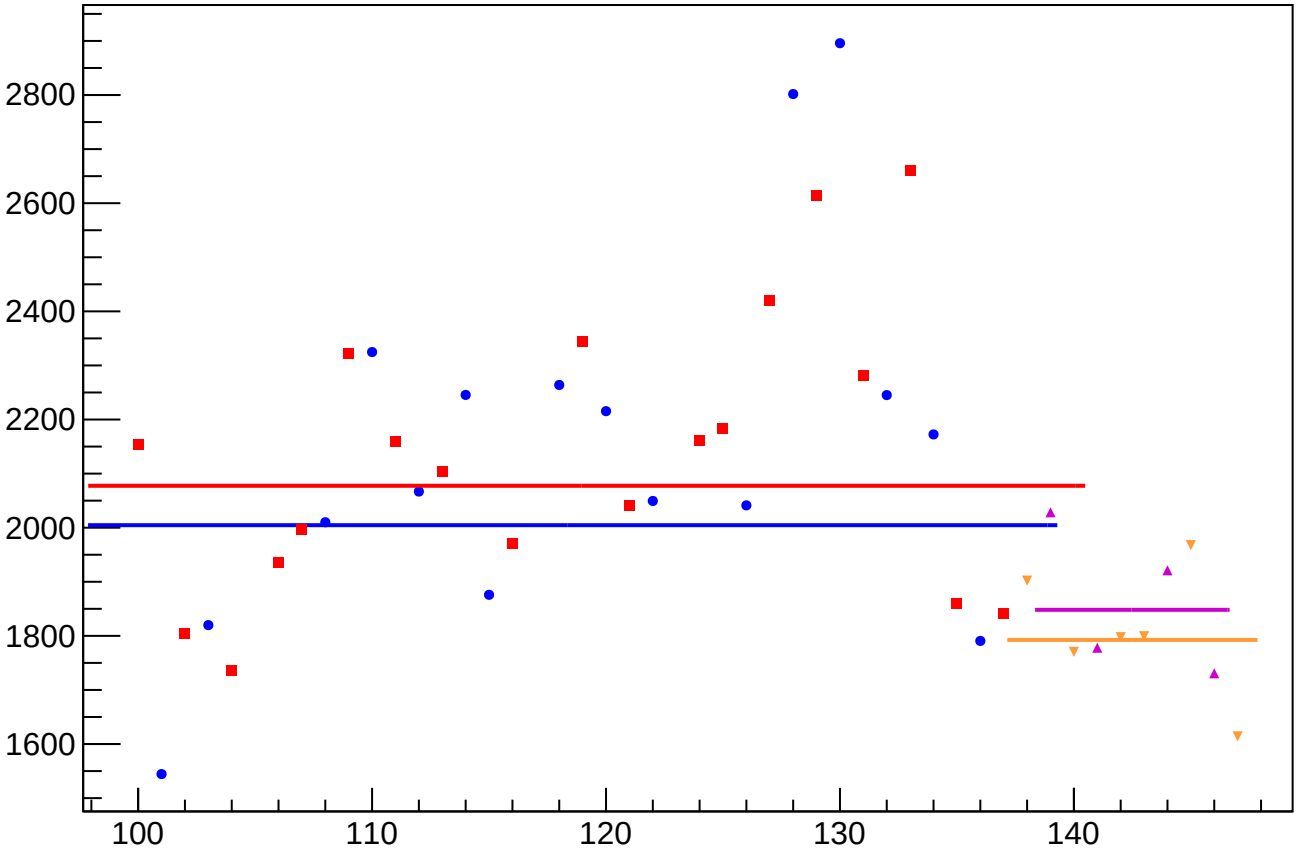
Left In: -2627.058+/-986.779 χ^2/NDF:1.8/3

+ sign 1464.150+/-564.303 χ^2/NDF: 24.2/21

All: -458.388+/-412.650 χ^2/NDF: 63.4/44

- sign -2667.981+/-604.966 χ^2/NDF: 14.3/22

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1792.479+/-0.599 χ^2/NDF:38460.1/5

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

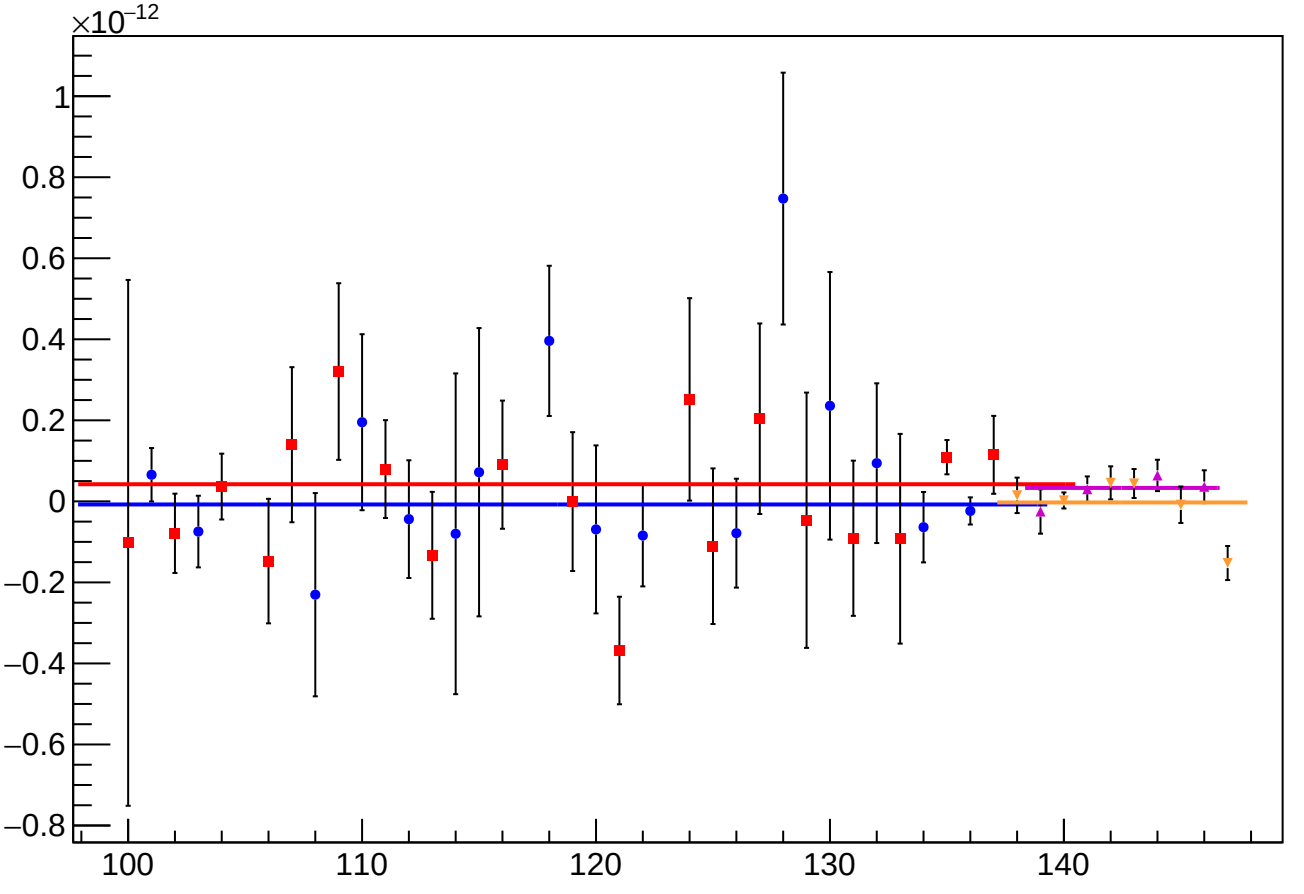
Left In: 1848.144+/-0.698 χ^2/NDF:26951.0/3

+ sign 1910.338+/-0.399 χ^2/NDF: 495828.9/21

All: 1948.005+/-0.292 χ^2/NDF: 839850.1/44

- sign 1991.295+/-0.428 χ^2/NDF: 324869.4/22

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/5

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

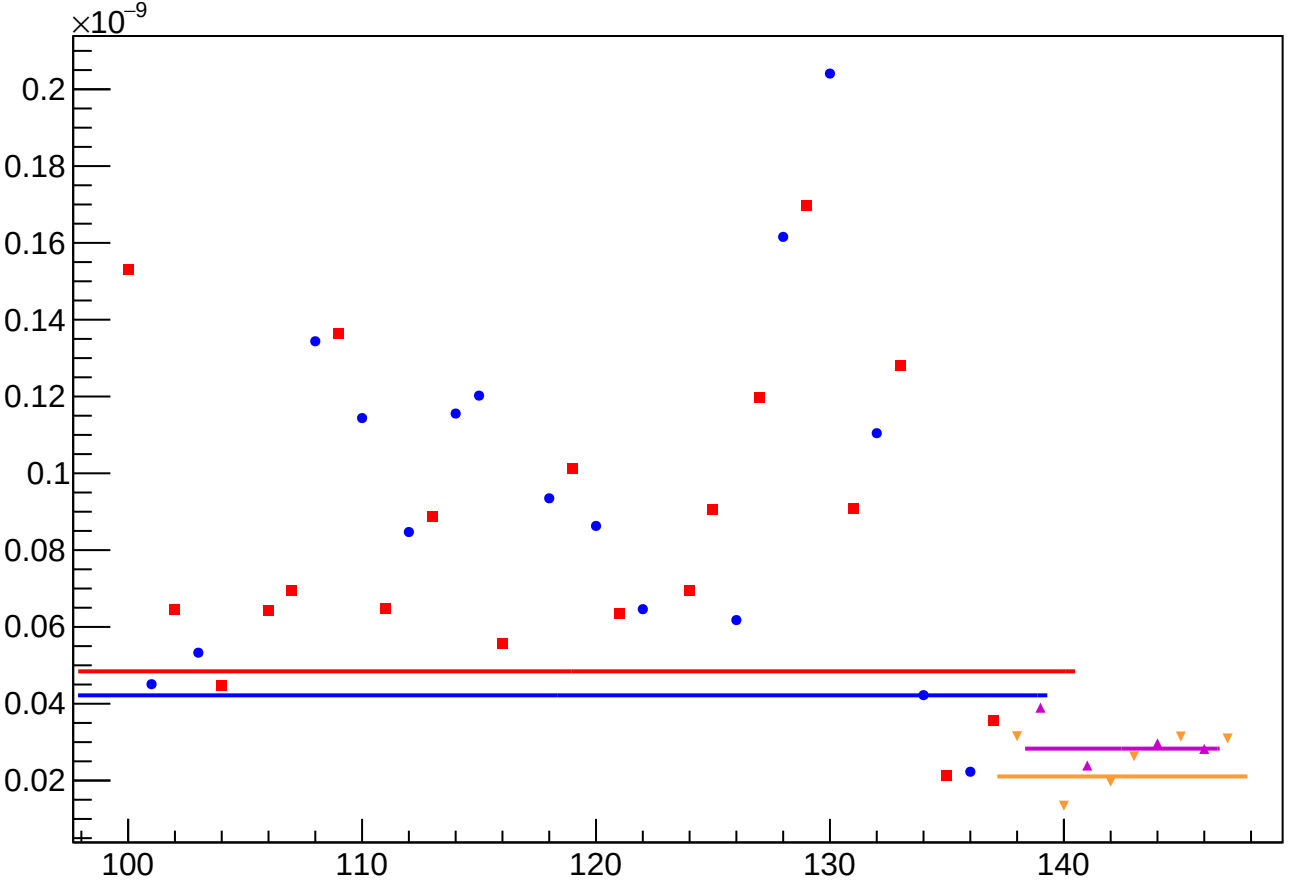
Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 60.3/44

- sign 0.000+/-0.000 χ^2/NDF: 23.6/22

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:673726.2/5

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

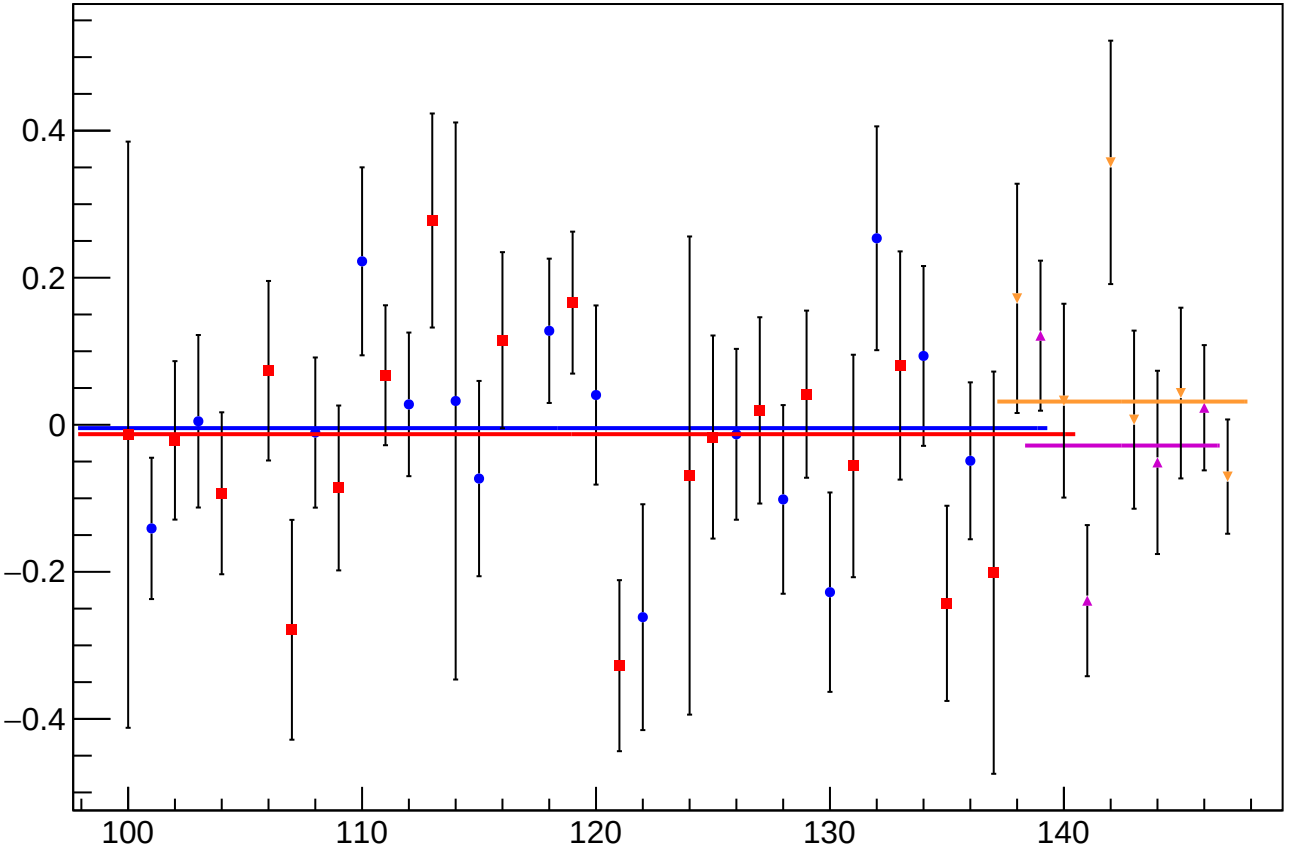
Left In: 0.000+/-0.000 χ^2/NDF:117498.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 4763563.9/21

All: 0.000+/-0.000 χ^2/NDF: 8648266.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3450790.8/22

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

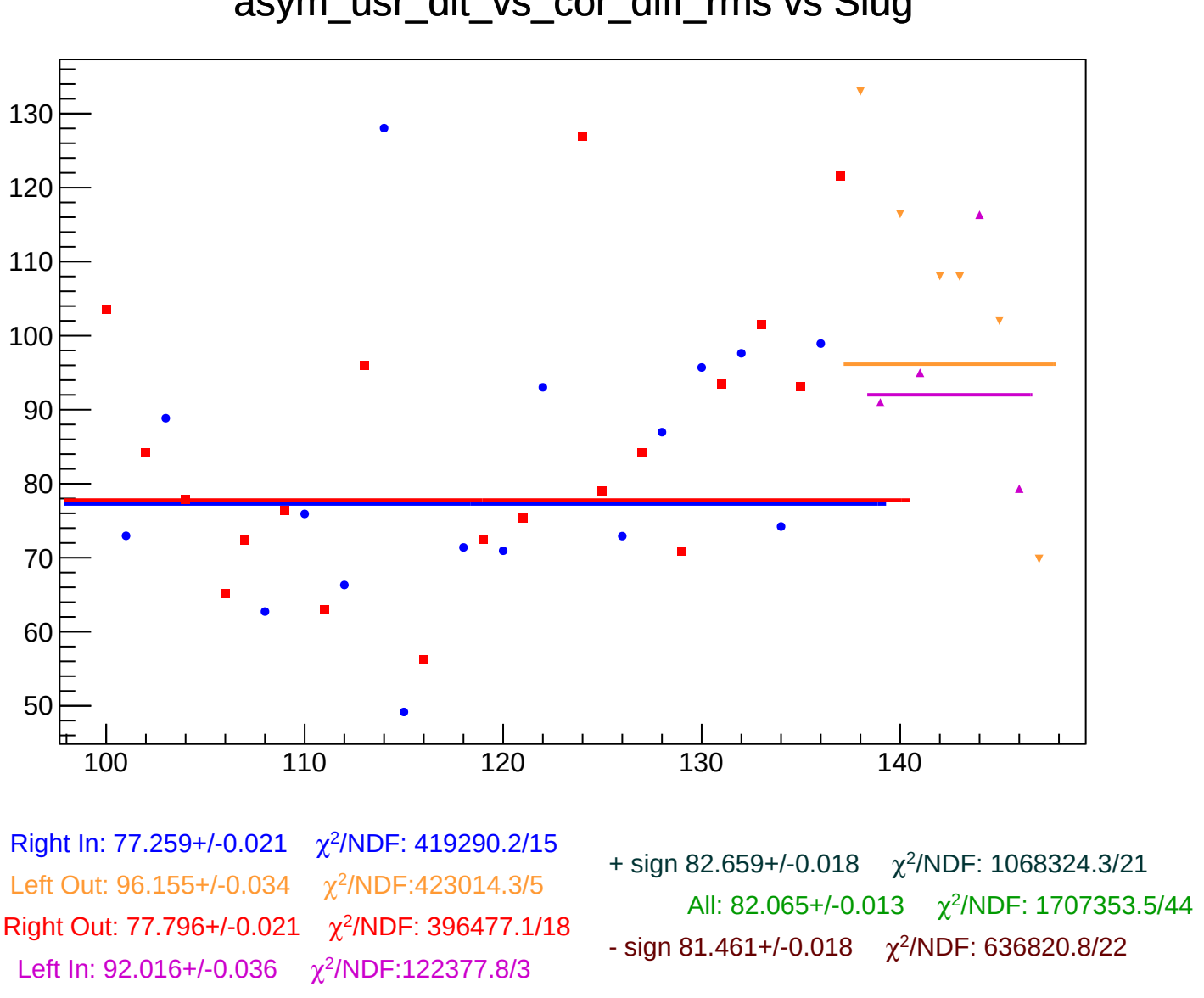
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

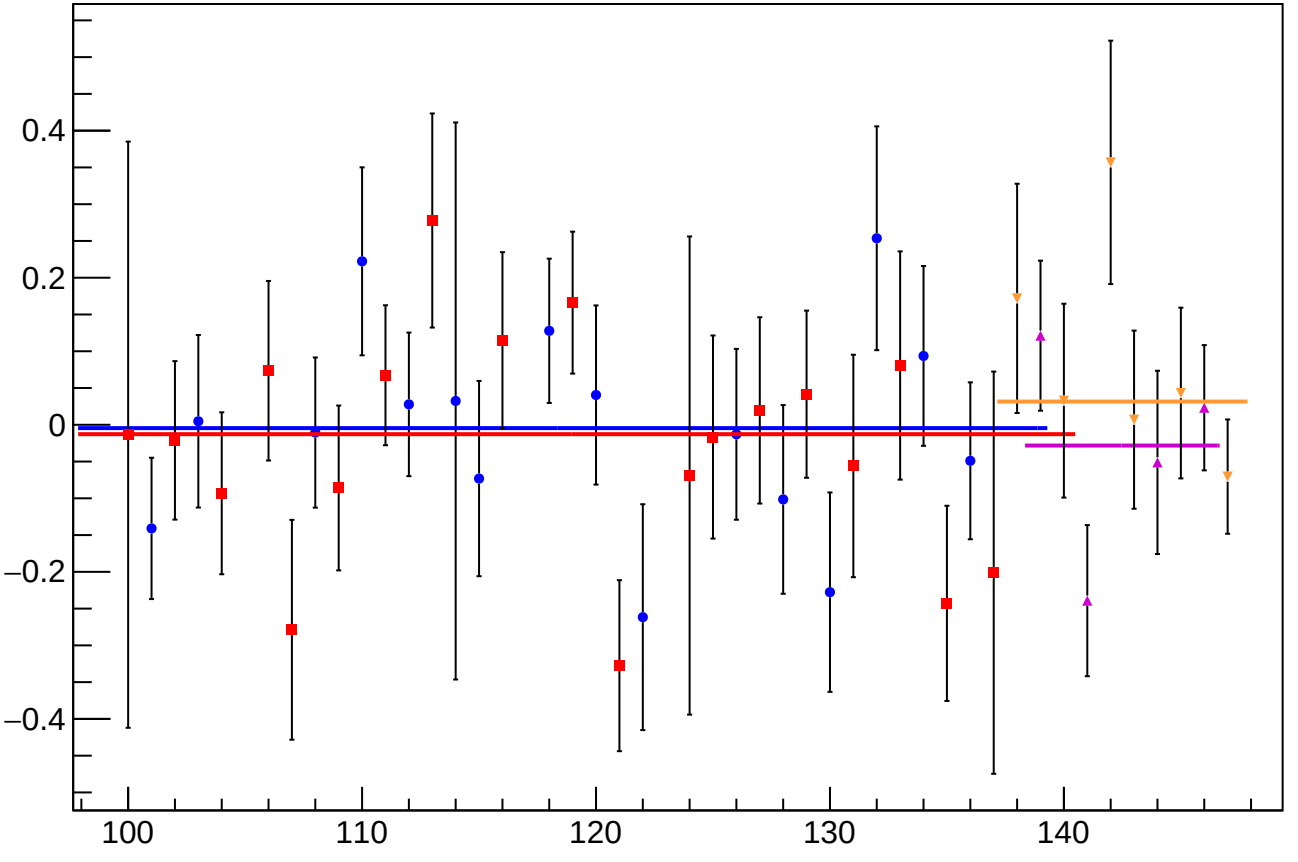
+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: -0.005+/-0.018 χ^2/NDF: 56.8/44

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22


asym_usr_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 96.155+/-0.034 χ²/NDF:423014.3/5
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 92.016+/-0.036 χ²/NDF:122377.8/3
+ sign 82.659+/-0.018 χ²/NDF: 1068324.3/21
All: 82.065+/-0.013 χ²/NDF: 1707353.5/44
- sign 81.461+/-0.018 χ²/NDF: 636820.8/22

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

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

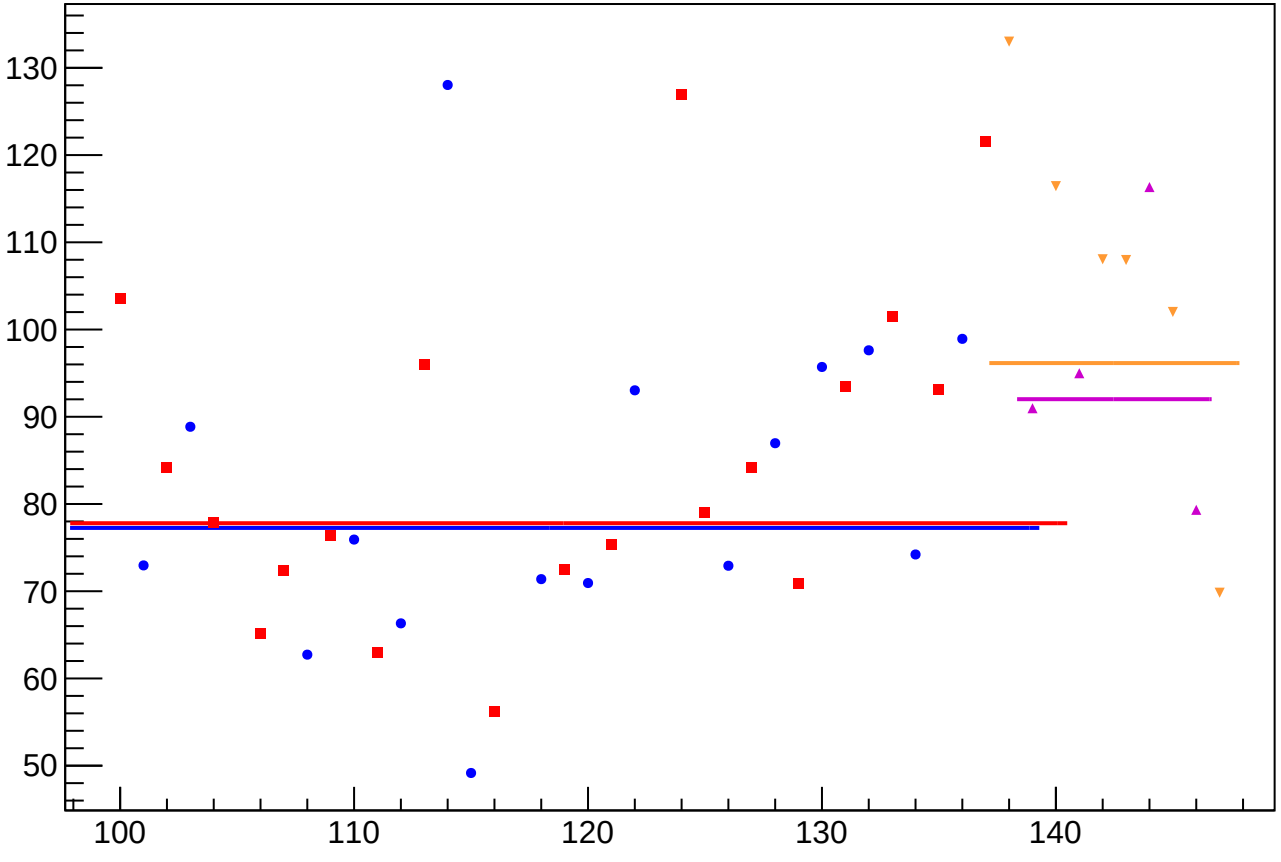
Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: -0.005+/-0.018 χ^2/NDF: 56.8/44

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 96.155+/-0.034 χ^2/NDF:423014.3/5

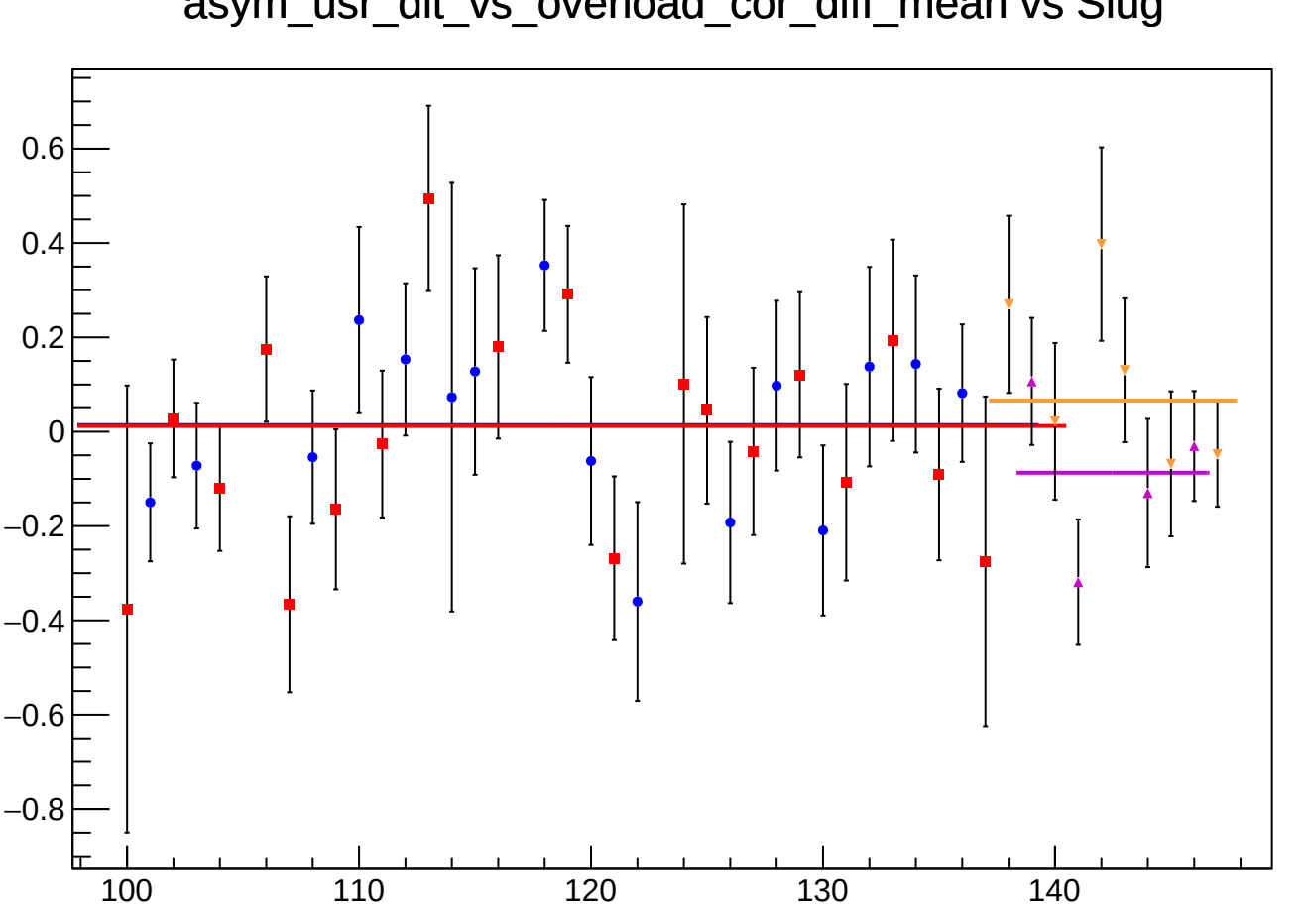
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

+ sign 82.659+/-0.018 χ^2/NDF: 1068324.3/21

All: 82.065+/-0.013 χ^2/NDF: 1707353.5/44

- sign 81.461+/-0.018 χ^2/NDF: 636820.8/22



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

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

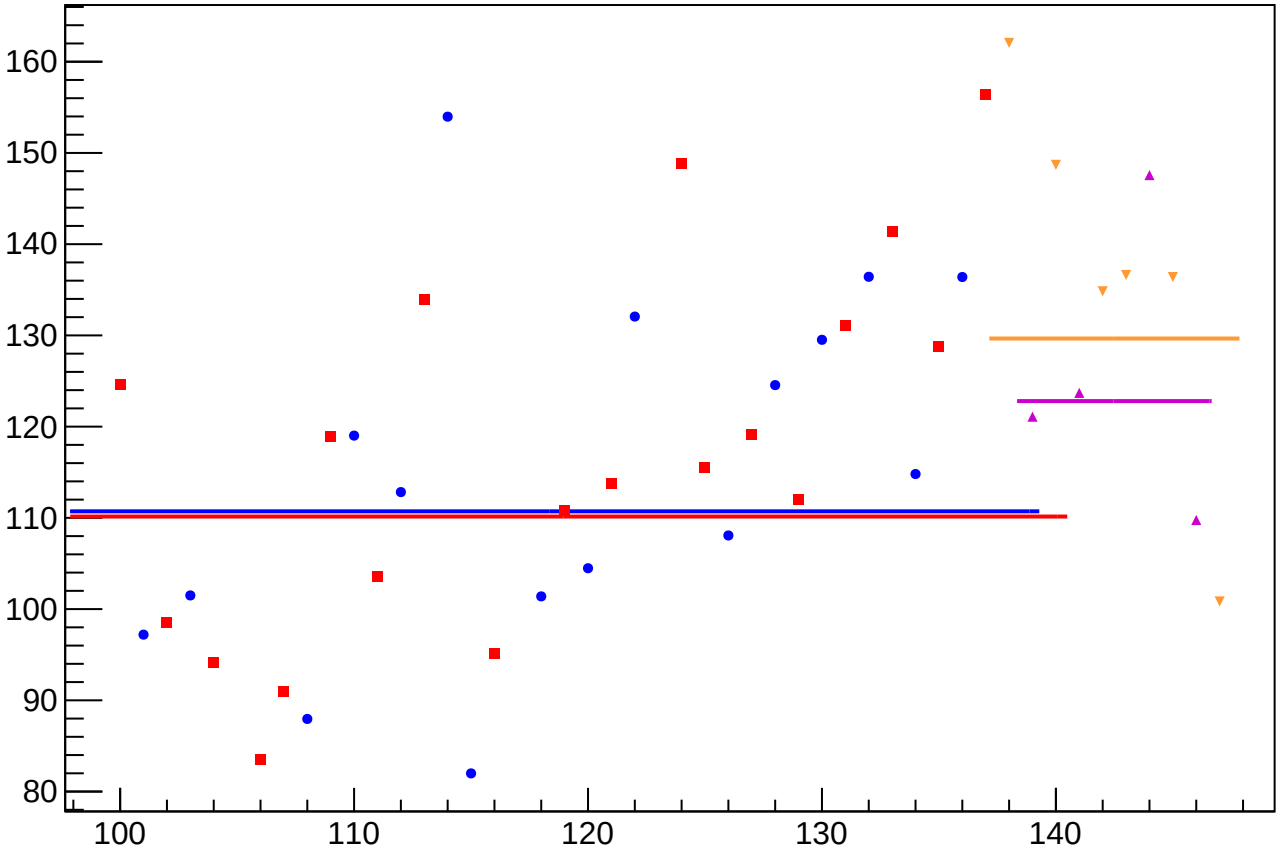
Left In: -0.087+/-0.067 χ^2/NDF:5.4/3

+ sign 0.030+/-0.035 χ^2/NDF: 24.5/21

All: 0.008+/-0.025 χ^2/NDF: 56.1/44

- sign -0.015+/-0.035 χ^2/NDF: 30.8/22

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 129.659+/-0.044 χ^2/NDF:228655.8/5

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

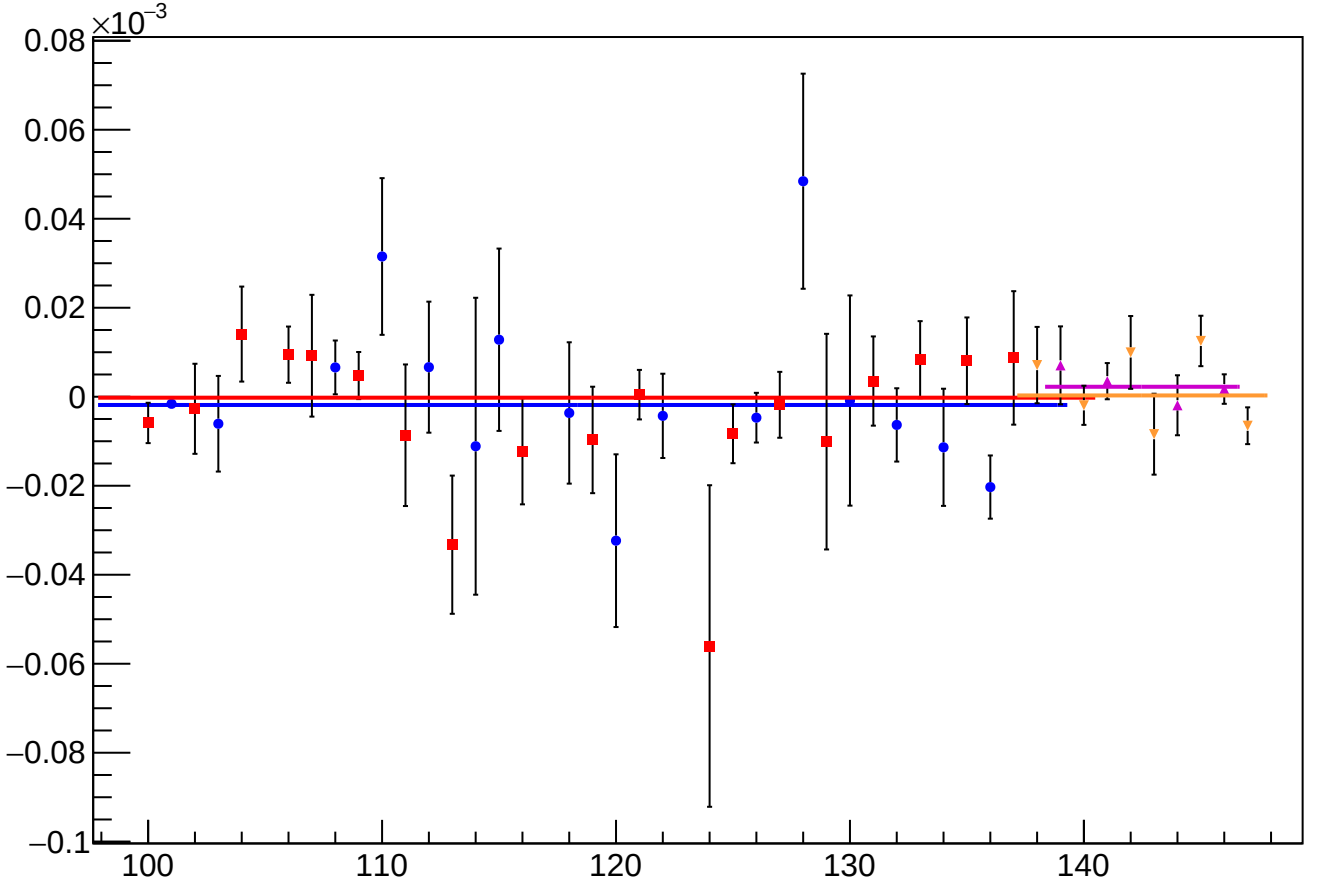
Left In: 122.800+/-0.047 χ^2/NDF:75063.5/3

+ sign 116.630+/-0.025 χ^2/NDF: 654062.5/21

All: 115.149+/-0.018 χ^2/NDF: 1115192.9/44

- sign 113.664+/-0.025 χ^2/NDF: 453982.7/22

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:10.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

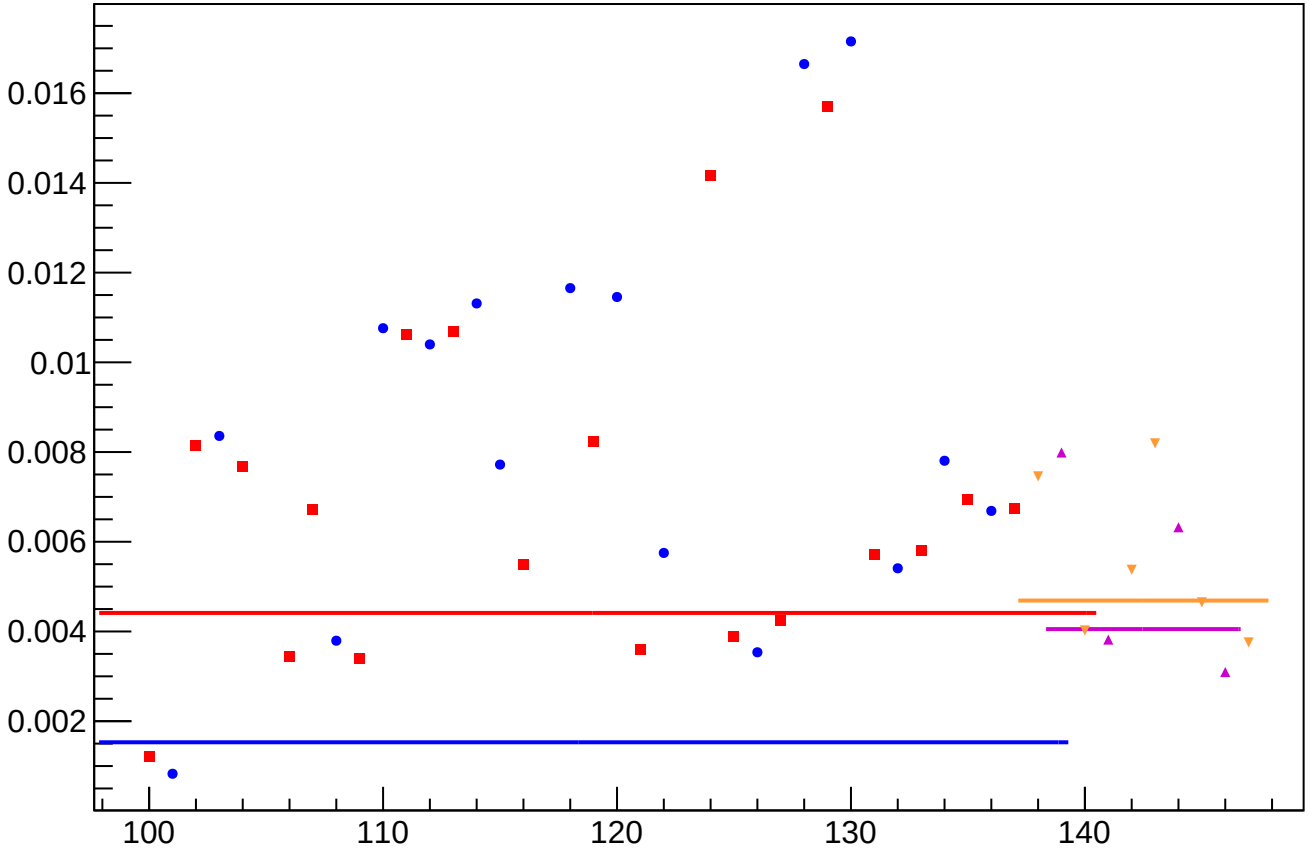
Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/21

All: -0.000+/-0.000 χ^2/NDF: 55.8/44

- sign 0.000+/-0.000 χ^2/NDF: 21.4/22

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:667327.6/5

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

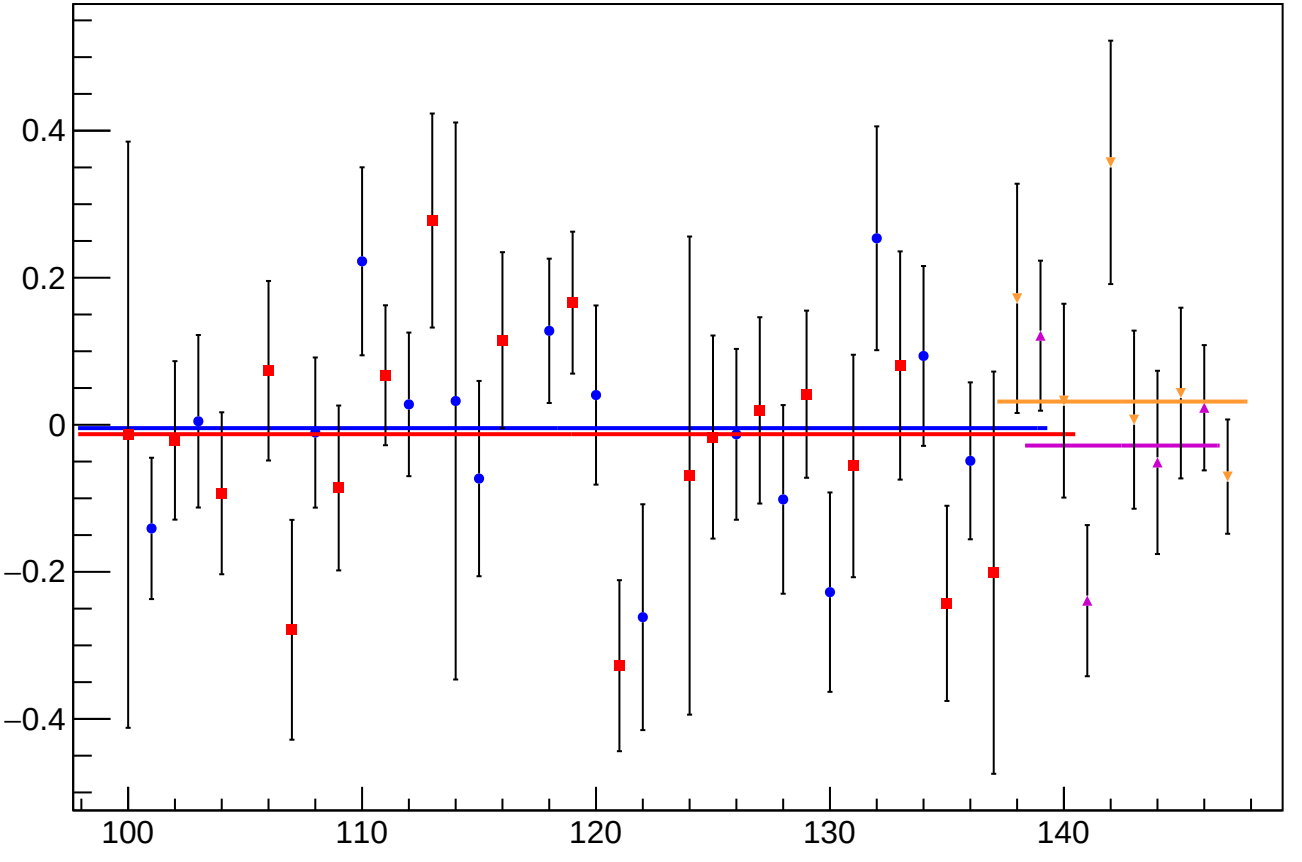
Left In: 0.004+/-0.000 χ^2/NDF:803985.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 12990464.0/21

All: 0.003+/-0.000 χ^2/NDF: 20652960.5/44

- sign 0.004+/-0.000 χ^2/NDF: 4220727.3/22

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

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

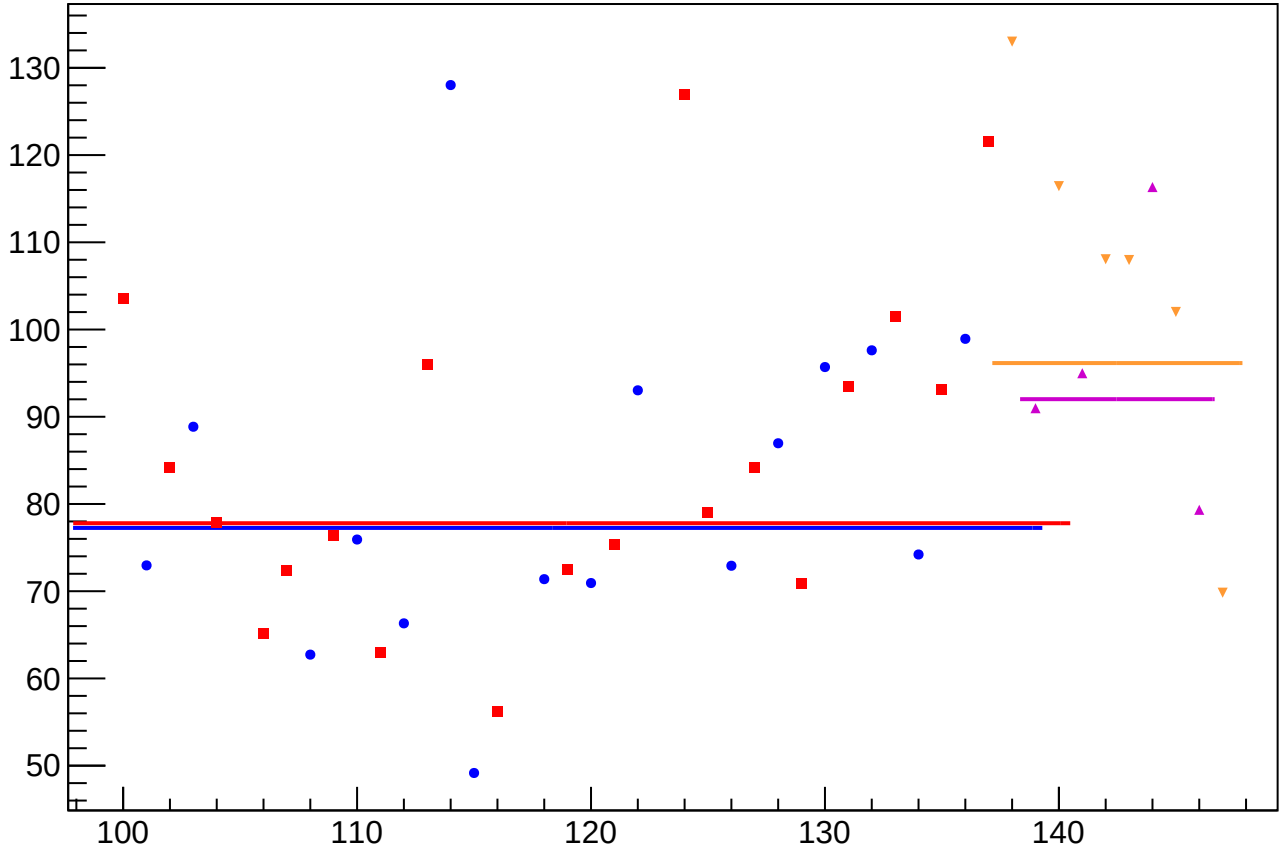
Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: -0.005+/-0.018 χ^2/NDF: 56.8/44

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

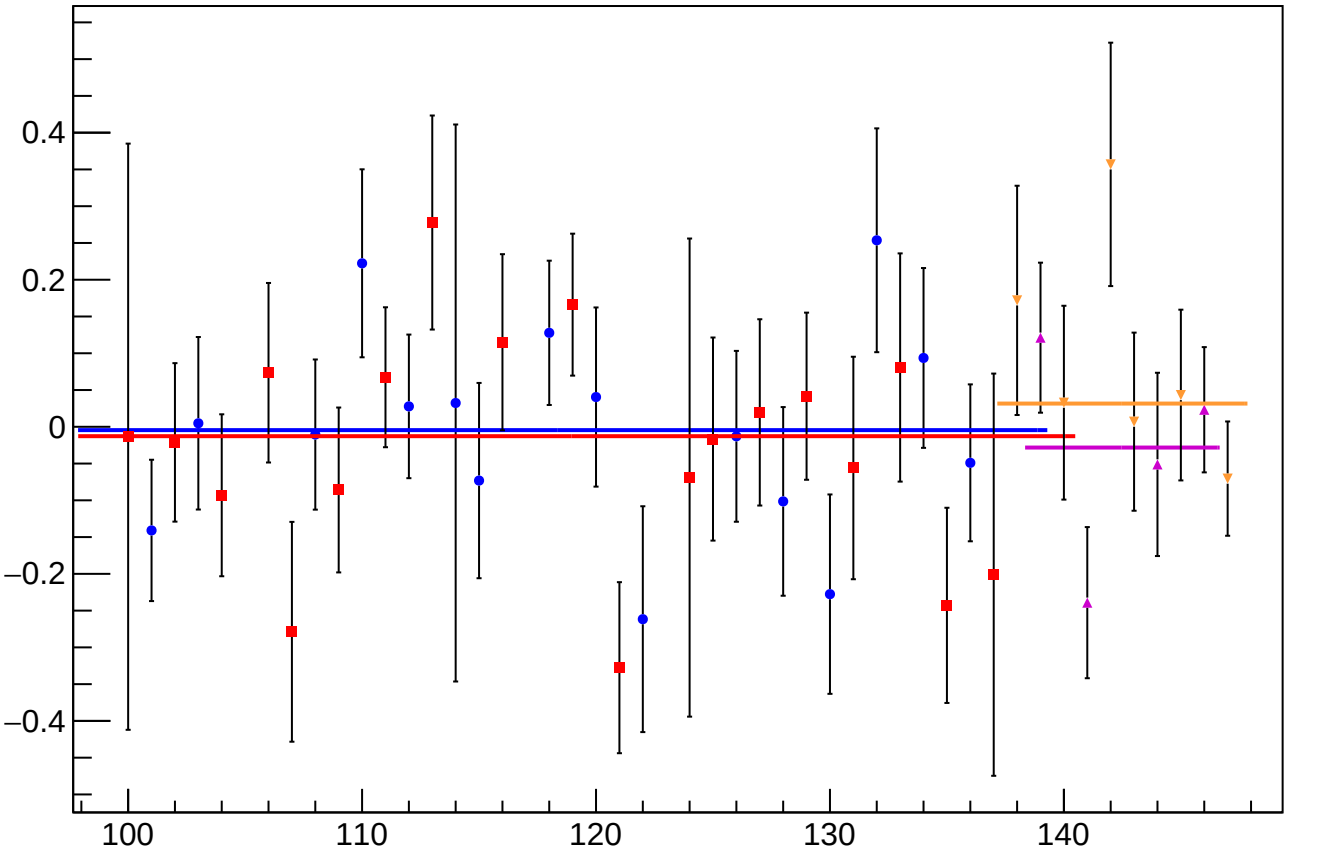
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

+ sign 82.658+/-0.018 χ^2/NDF: 1068364.3/21

All: 82.064+/-0.013 χ^2/NDF: 1707423.1/44

- sign 81.460+/-0.018 χ^2/NDF: 636850.6/22



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

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

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

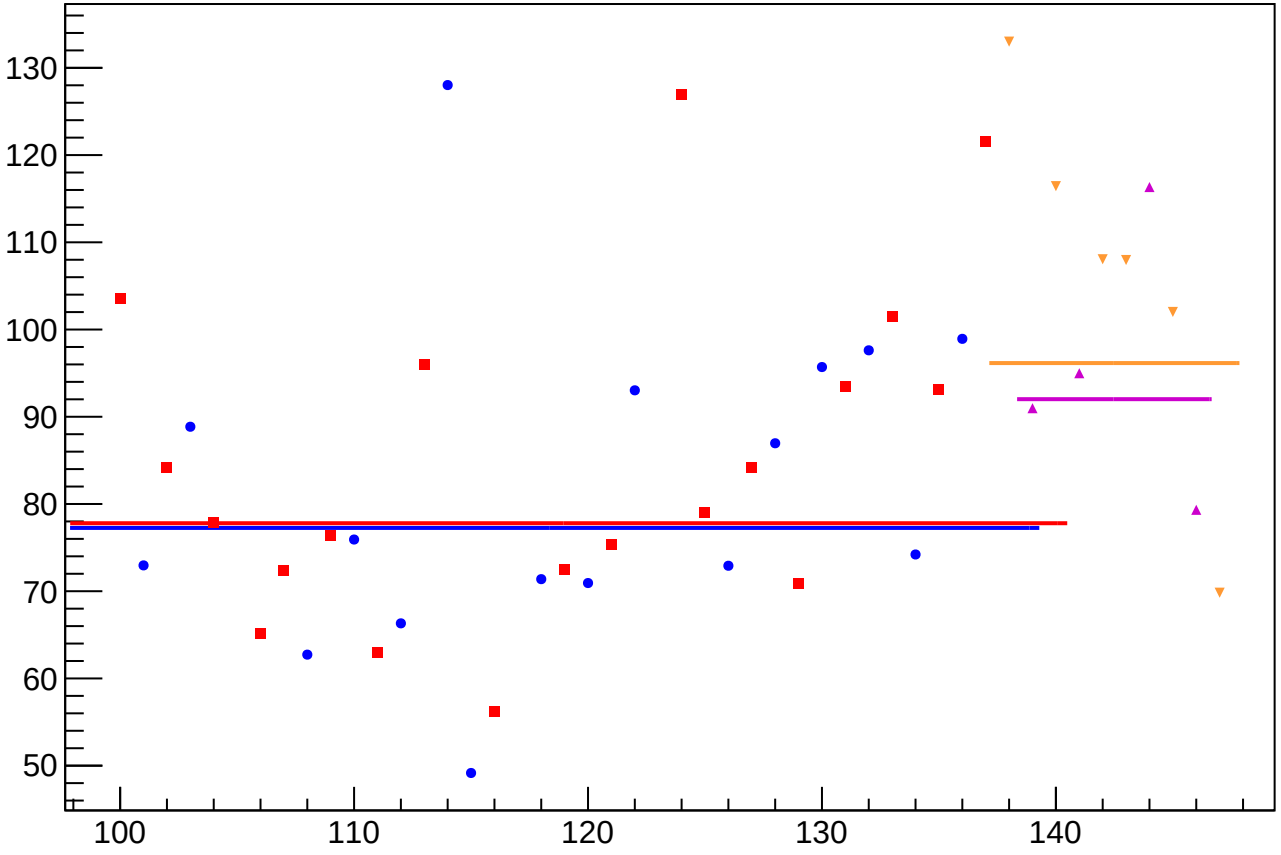
Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: -0.005+/-0.018 χ^2/NDF: 56.8/44

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

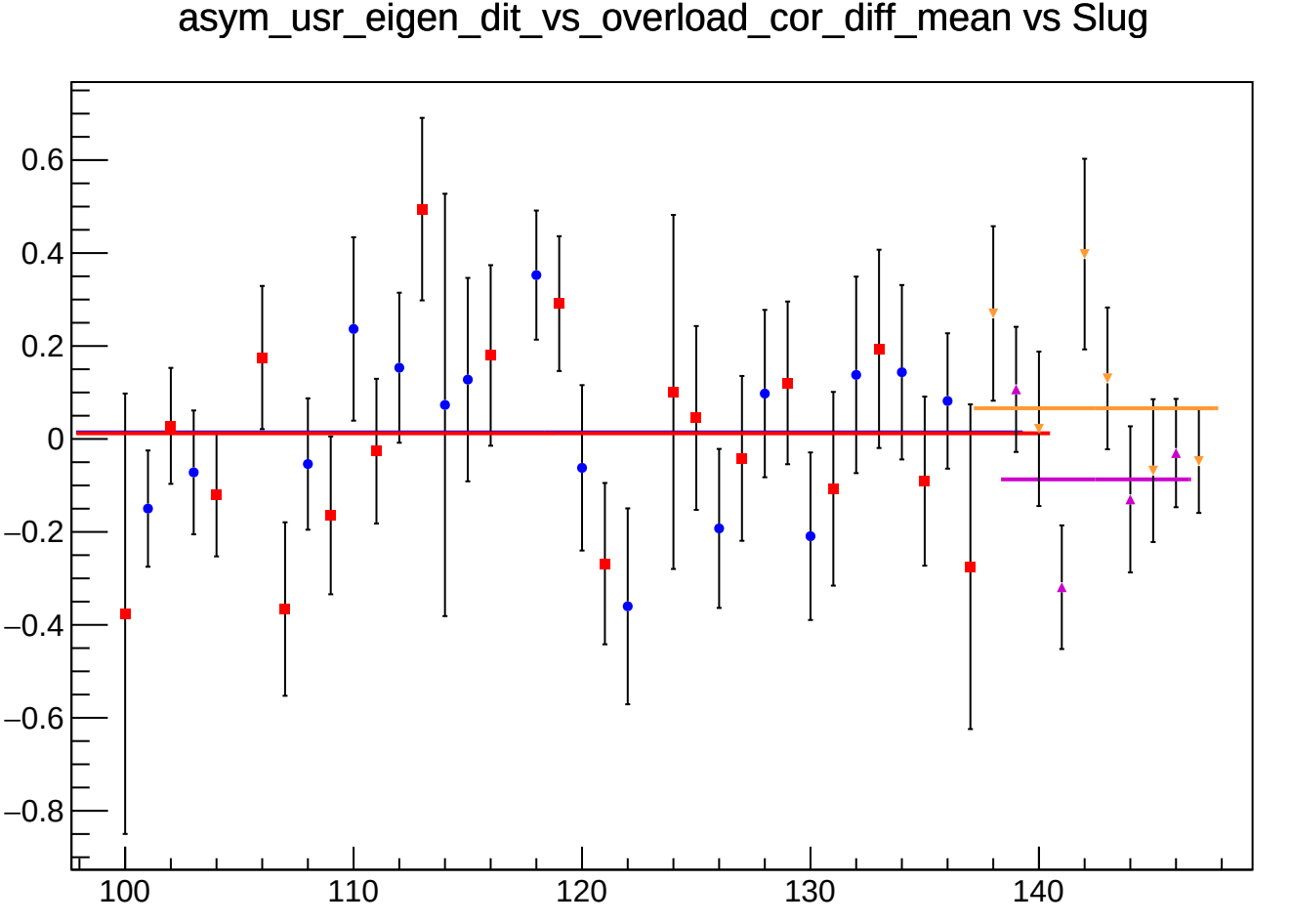
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

+ sign 82.658+/-0.018 χ^2/NDF: 1068364.3/21

All: 82.064+/-0.013 χ^2/NDF: 1707423.1/44

- sign 81.460+/-0.018 χ^2/NDF: 636850.6/22



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

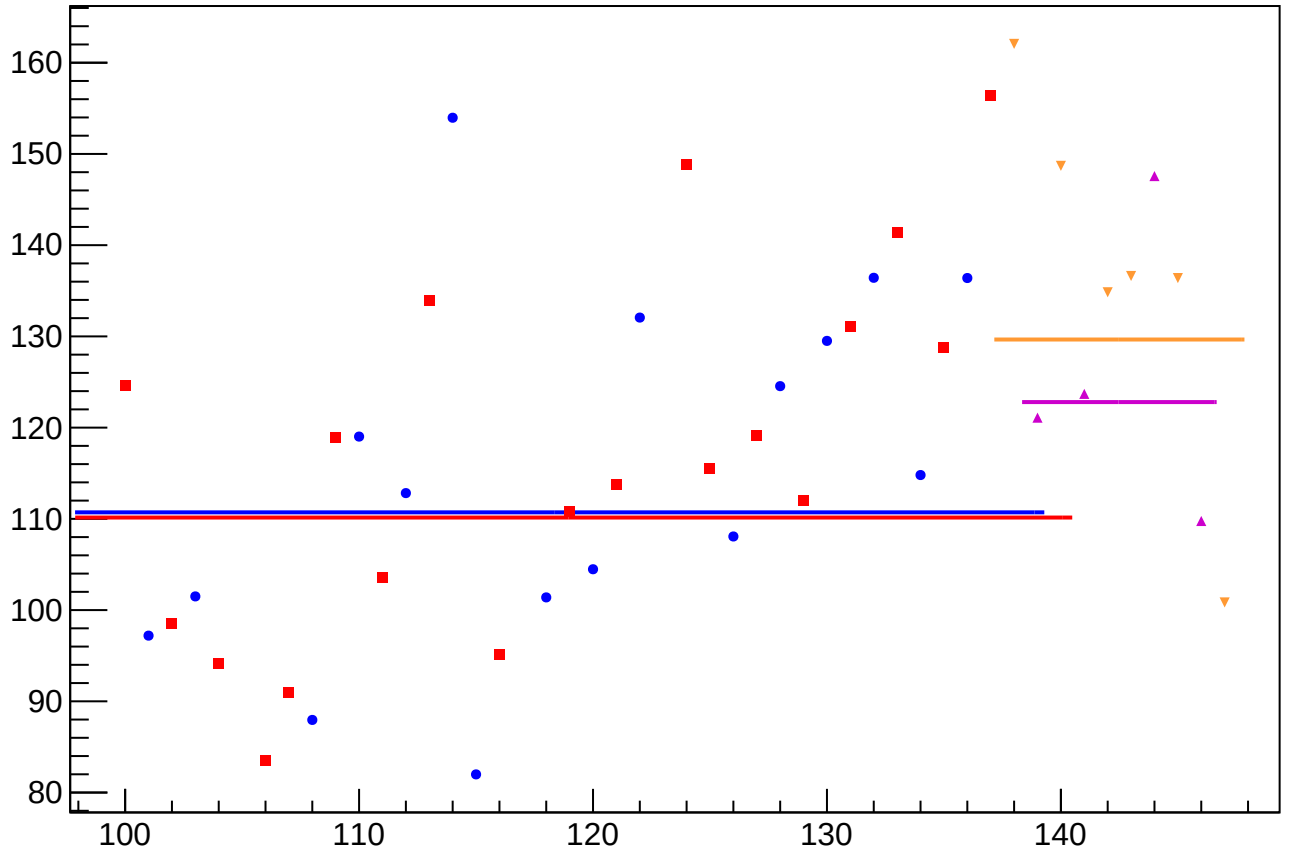
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.087+/-0.067 χ^2/NDF:5.4/3

+ sign 0.030+/-0.035 χ^2/NDF: 24.5/21

All: 0.008+/-0.025 χ^2/NDF: 56.1/44

- sign -0.015+/-0.035 χ^2/NDF: 30.8/22



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

Left Out: 129.659+/-0.044 χ^2/NDF:228659.4/5

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

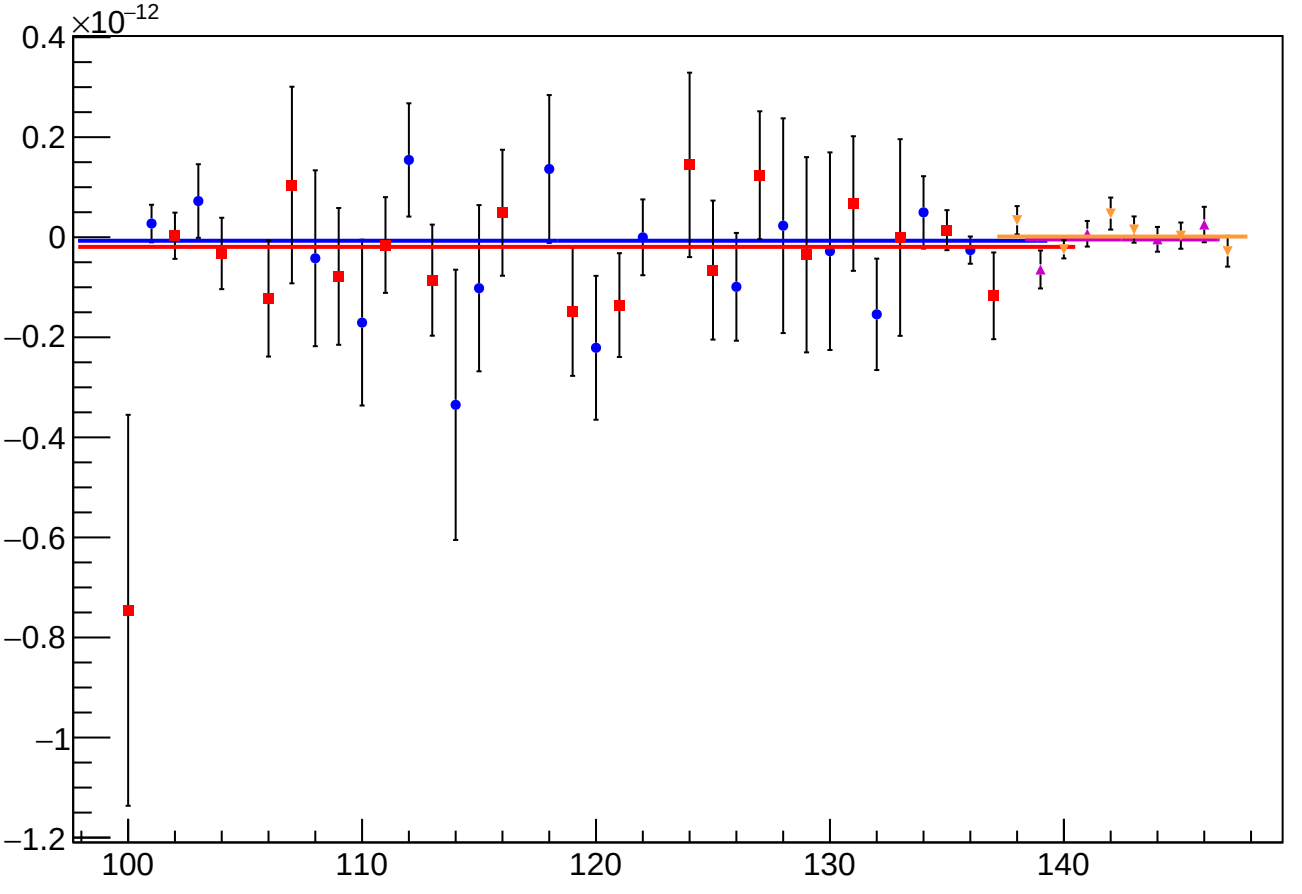
Left In: 122.801+/-0.047 χ^2/NDF:75063.7/3

+ sign 116.629+/-0.025 χ^2/NDF: 654054.7/21

All: 115.148+/-0.018 χ^2/NDF: 1115164.2/44

- sign 113.663+/-0.025 χ^2/NDF: 453962.3/22

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

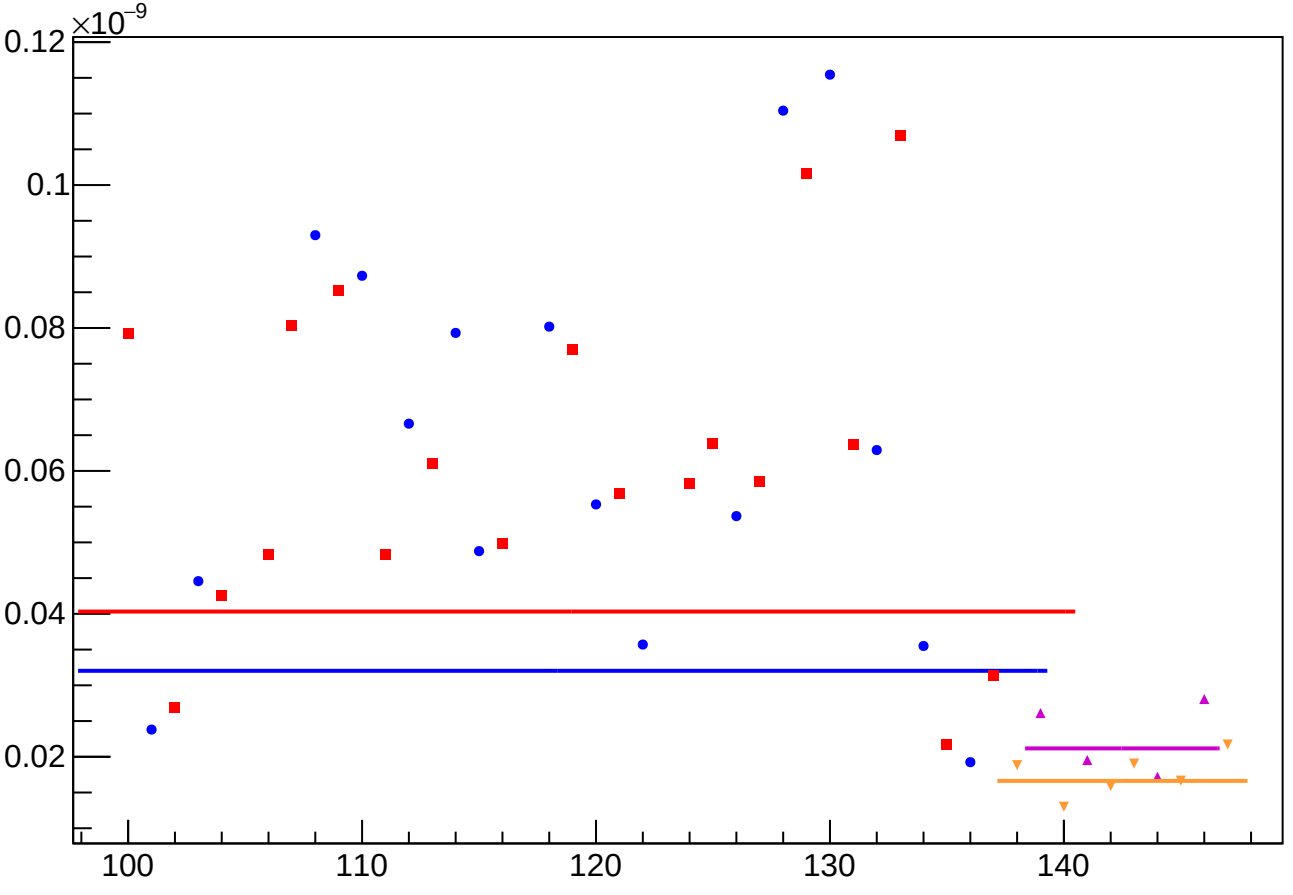
Left In: -0.000+/-0.000 χ^2/NDF:3.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/21

All: -0.000+/-0.000 χ^2/NDF: 37.0/44

- sign -0.000+/-0.000 χ^2/NDF: 16.3/22

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:164317.9/5

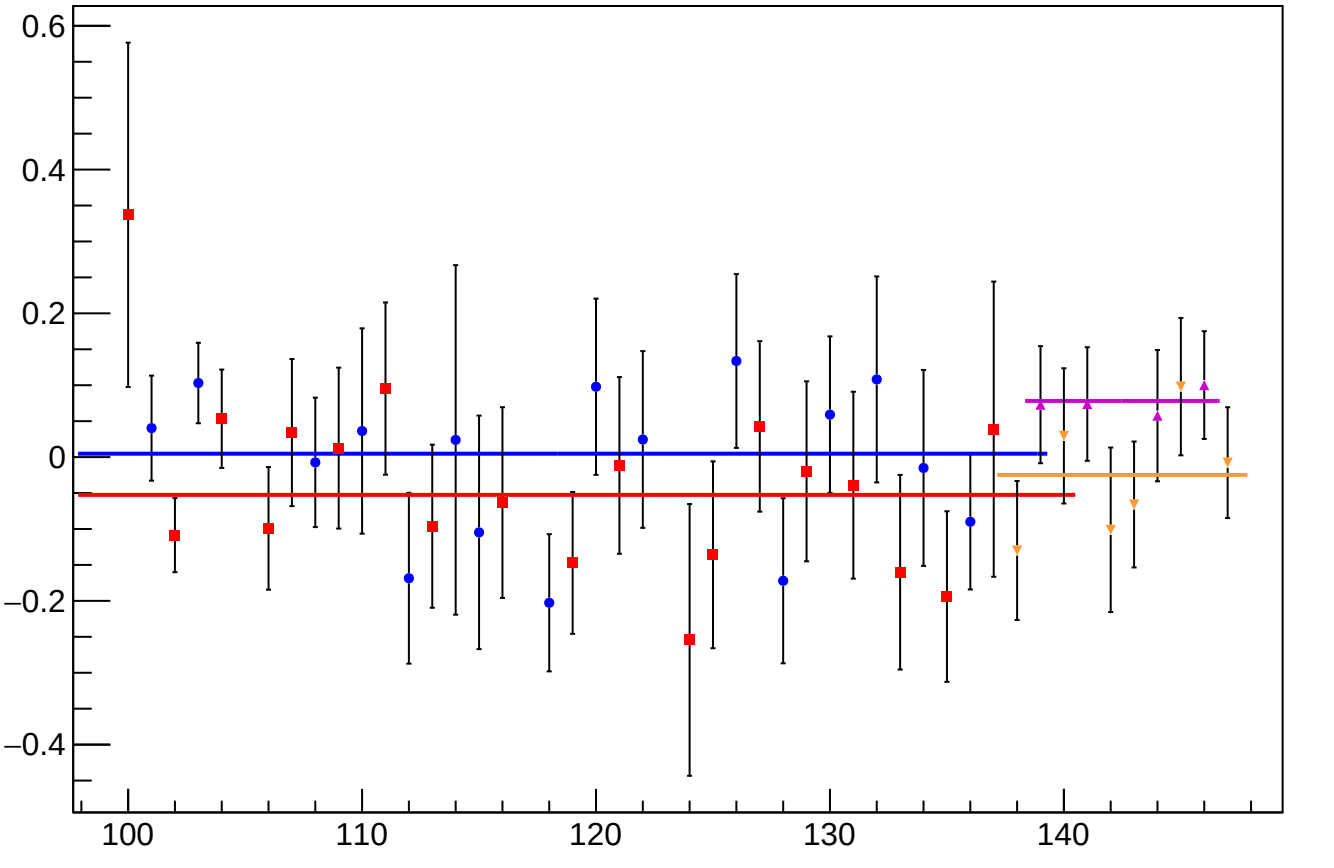
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:169471.2/3

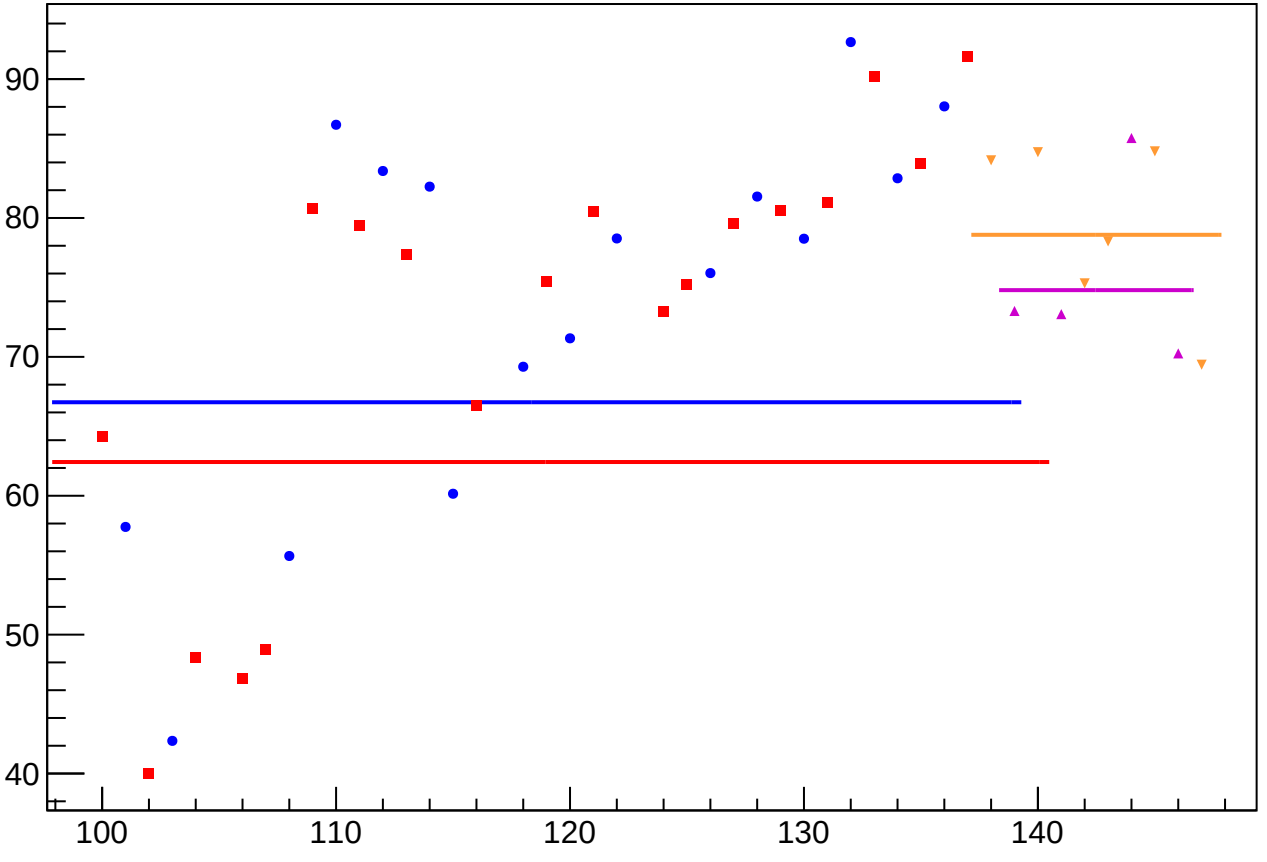
+ sign 0.000+/-0.000 χ^2/NDF: 3729015.1/21

All: 0.000+/-0.000 χ^2/NDF: 7294382.9/44

- sign 0.000+/-0.000 χ^2/NDF: 3144916.0/22


asym_usr_overload_cor_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: -0.025+/-0.038 χ²/NDF:3.9/5
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.078+/-0.041 χ²/NDF:0.1/3
+ sign -0.005+/-0.021 χ²/NDF: 20.9/21
All: -0.012+/-0.015 χ²/NDF: 43.8/44
- sign -0.018+/-0.021 χ²/NDF: 22.6/22

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 78.788+/-0.027 χ^2/NDF:53441.8/5

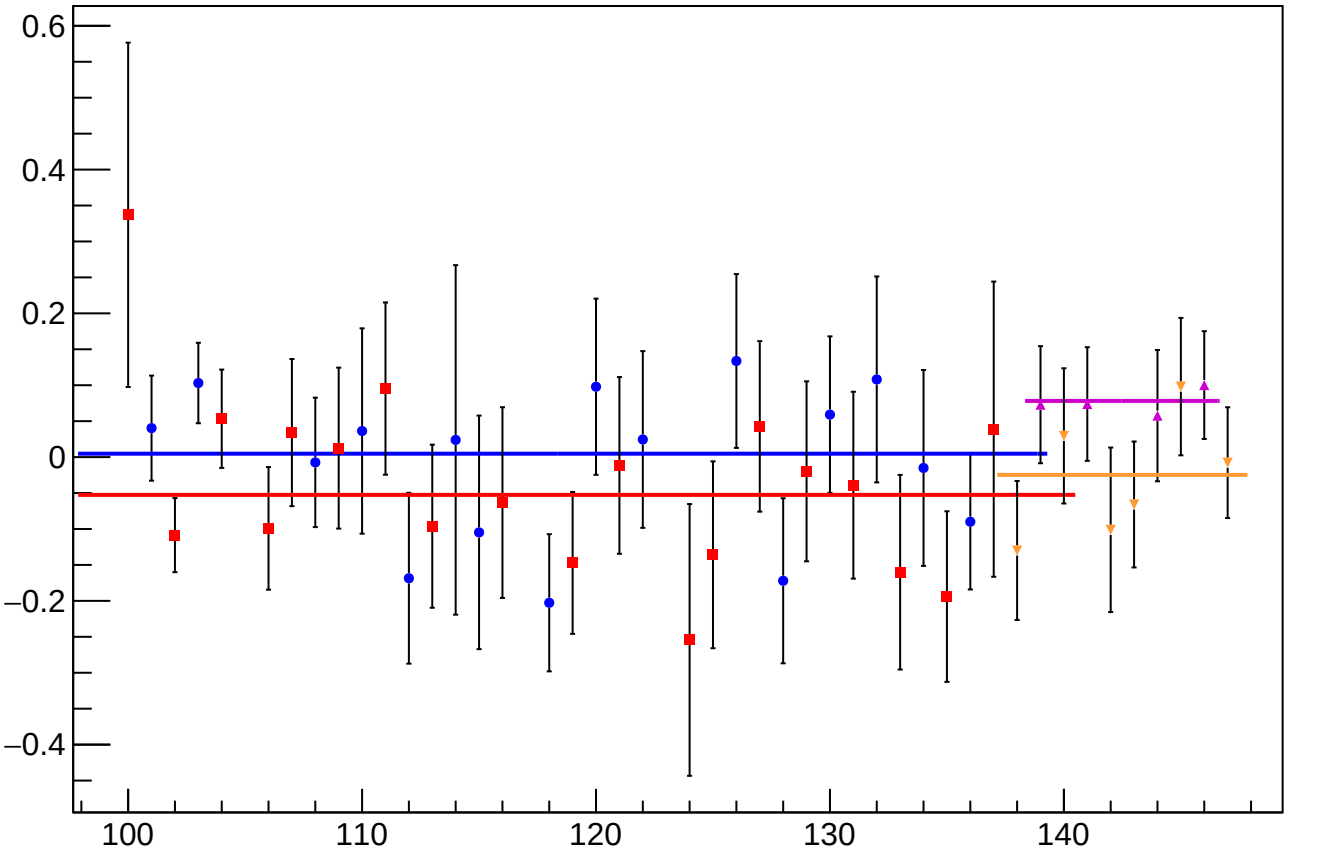
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

+ sign 70.601+/-0.015 χ^2/NDF: 1009284.4/21

All: 68.056+/-0.011 χ^2/NDF: 2354184.3/44

- sign 65.659+/-0.015 χ^2/NDF: 1289660.7/22



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

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

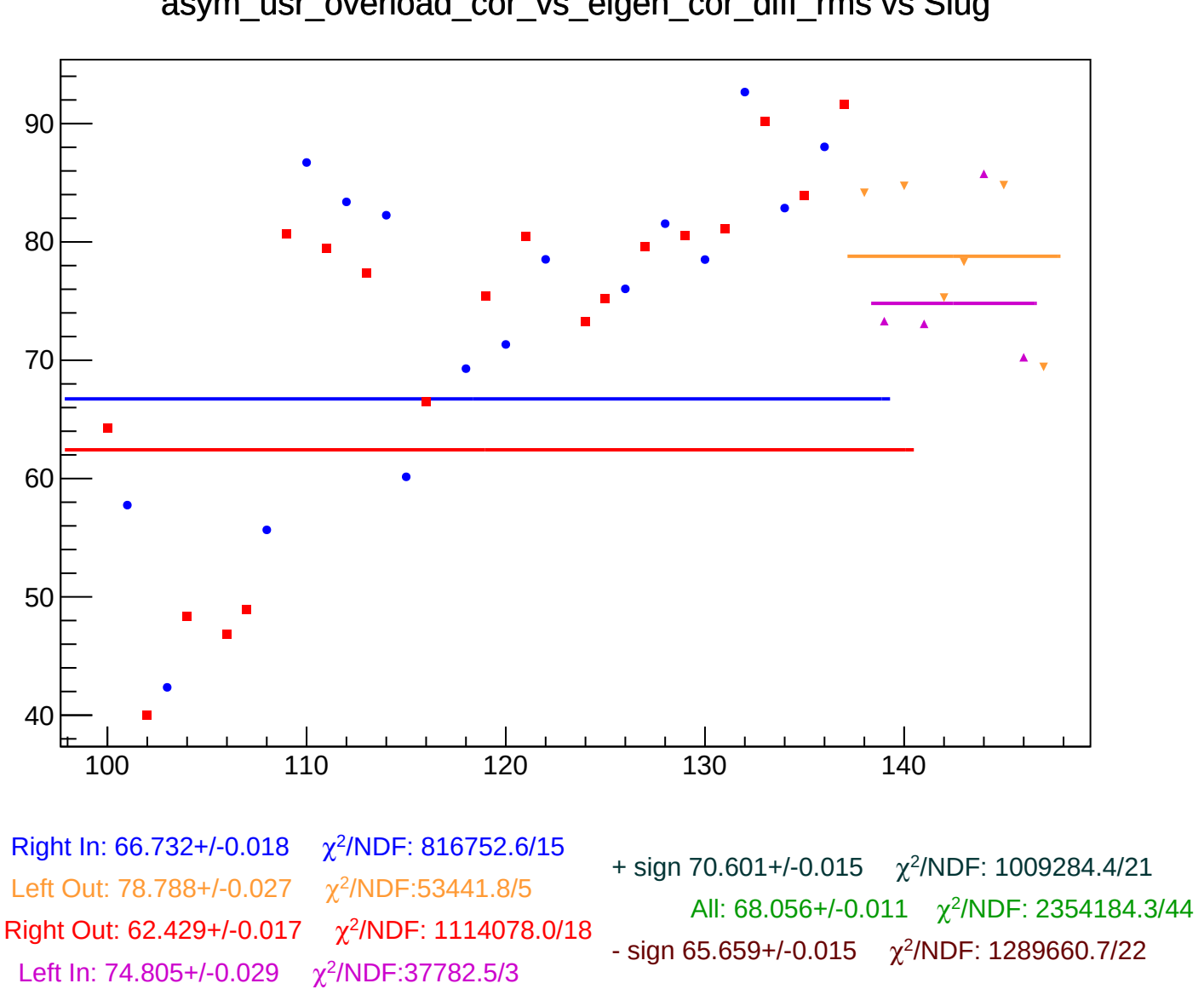
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.078+/-0.041 χ^2/NDF:0.1/3

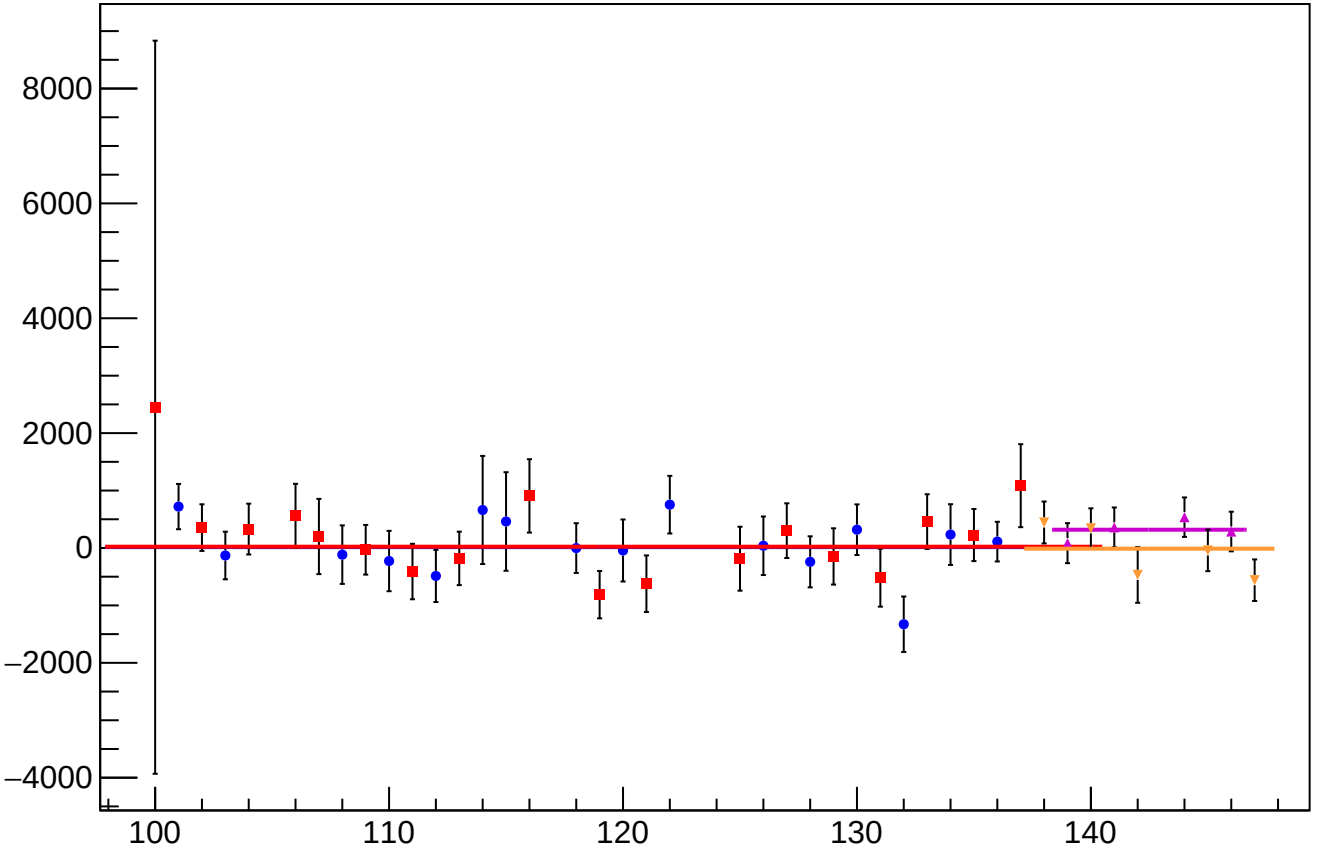
+ sign -0.005+/-0.021 χ^2/NDF: 20.9/21

All: -0.012+/-0.015 χ^2/NDF: 43.8/44

- sign -0.018+/-0.021 χ^2/NDF: 22.6/22


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 78.788+/-0.027 χ²/NDF:53441.8/5
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 74.805+/-0.029 χ²/NDF:37782.5/3
+ sign 70.601+/-0.015 χ²/NDF: 1009284.4/21
All: 68.056+/-0.011 χ²/NDF: 2354184.3/44
- sign 65.659+/-0.015 χ²/NDF: 1289660.7/22

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -12.192+/-168.292 χ^2/NDF:5.8/4

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

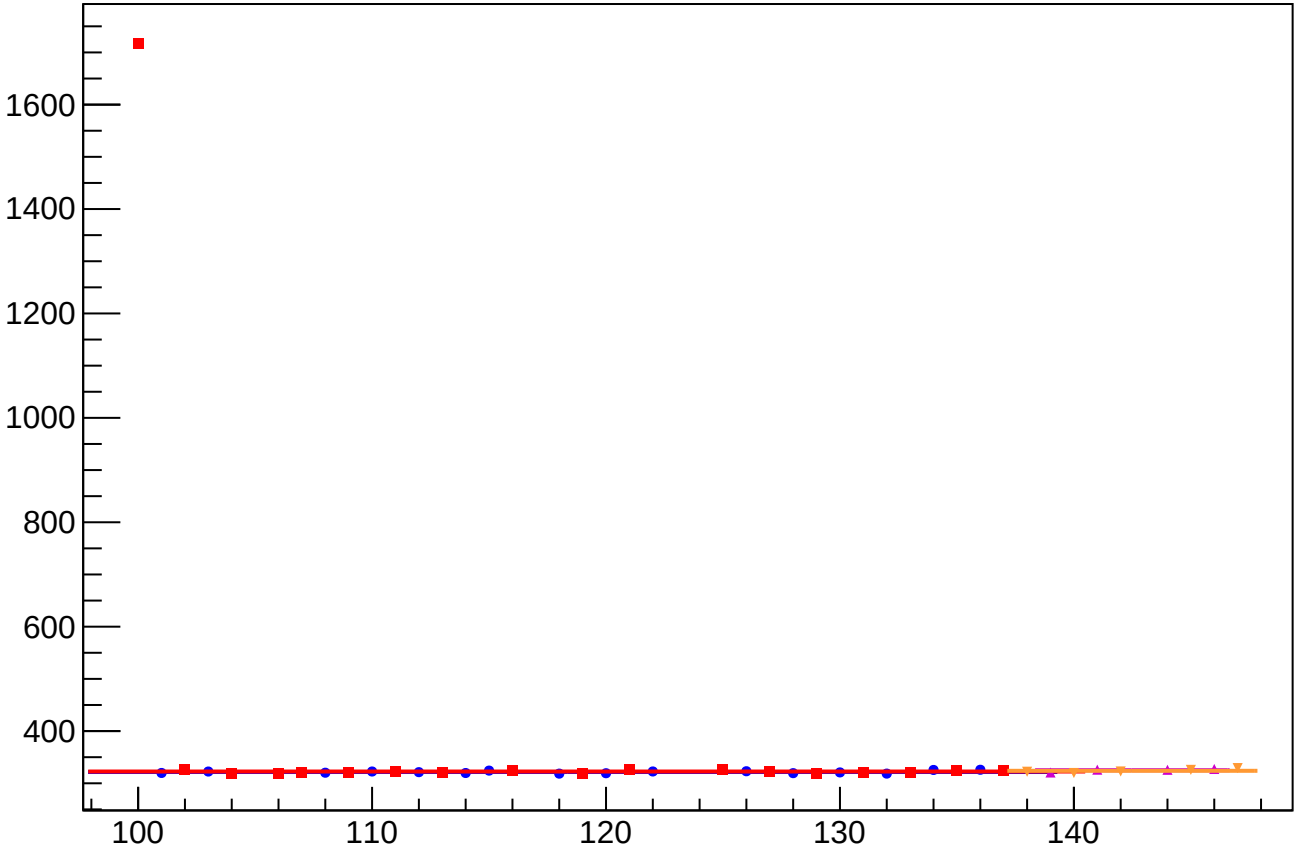
Left In: 318.022+/-172.914 χ^2/NDF:0.9/3

\+ sign 6.236+/-97.397 χ^2/NDF: 22.3/20

All: 61.426+/-69.134 χ^2/NDF: 41.8/42

\- sign 117.469+/-98.147 χ^2/NDF: 18.9/21

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.912+/-0.119 χ^2/NDF:814.9/4

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

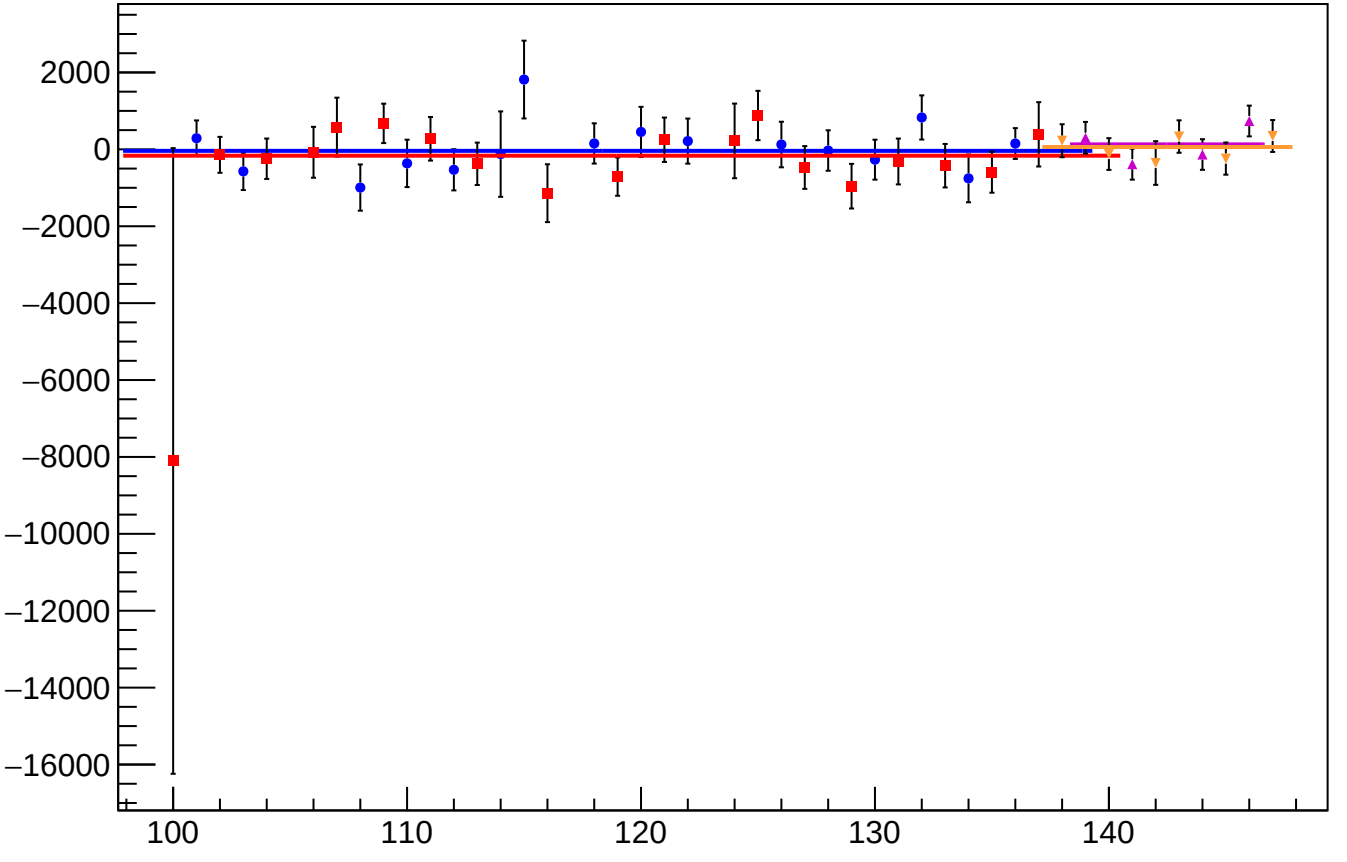
Left In: 325.062+/-0.122 χ^2/NDF:439.4/3

+ sign 322.377+/-0.069 χ^2/NDF: 1888.1/20

All: 322.865+/-0.049 χ^2/NDF: 99606.2/42

- sign 323.361+/-0.069 χ^2/NDF: 97616.8/21

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 60.597+/-178.057 χ^2/NDF:2.3/5

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

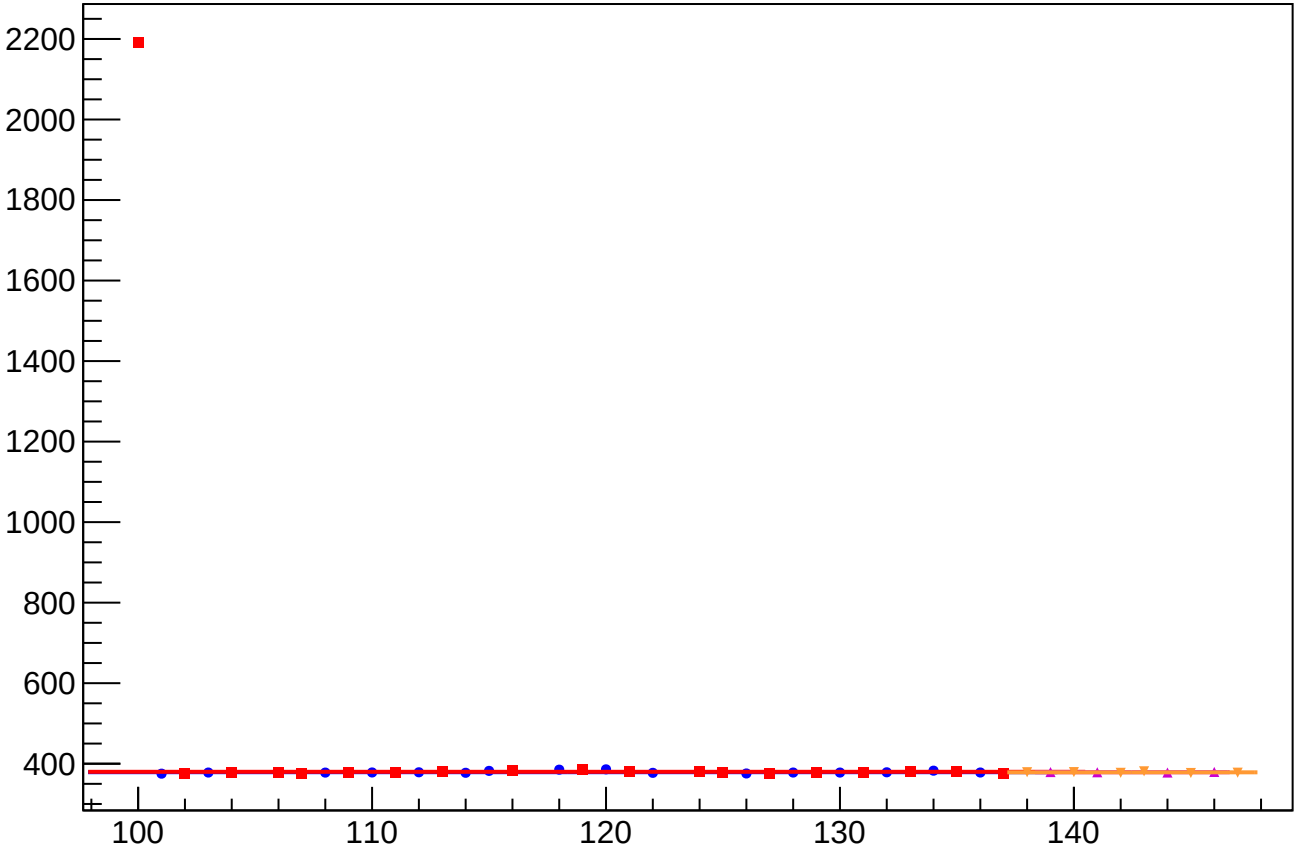
Left In: 128.780+/-201.565 χ^2/NDF:4.6/3

+ sign -0.656+/-110.404 χ^2/NDF: 16.2/21

All: -34.146+/-79.445 χ^2/NDF: 37.5/44

- sign -70.109+/-114.408 χ^2/NDF: 21.1/22

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.583+/-0.126 χ^2/NDF:122.7/5

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

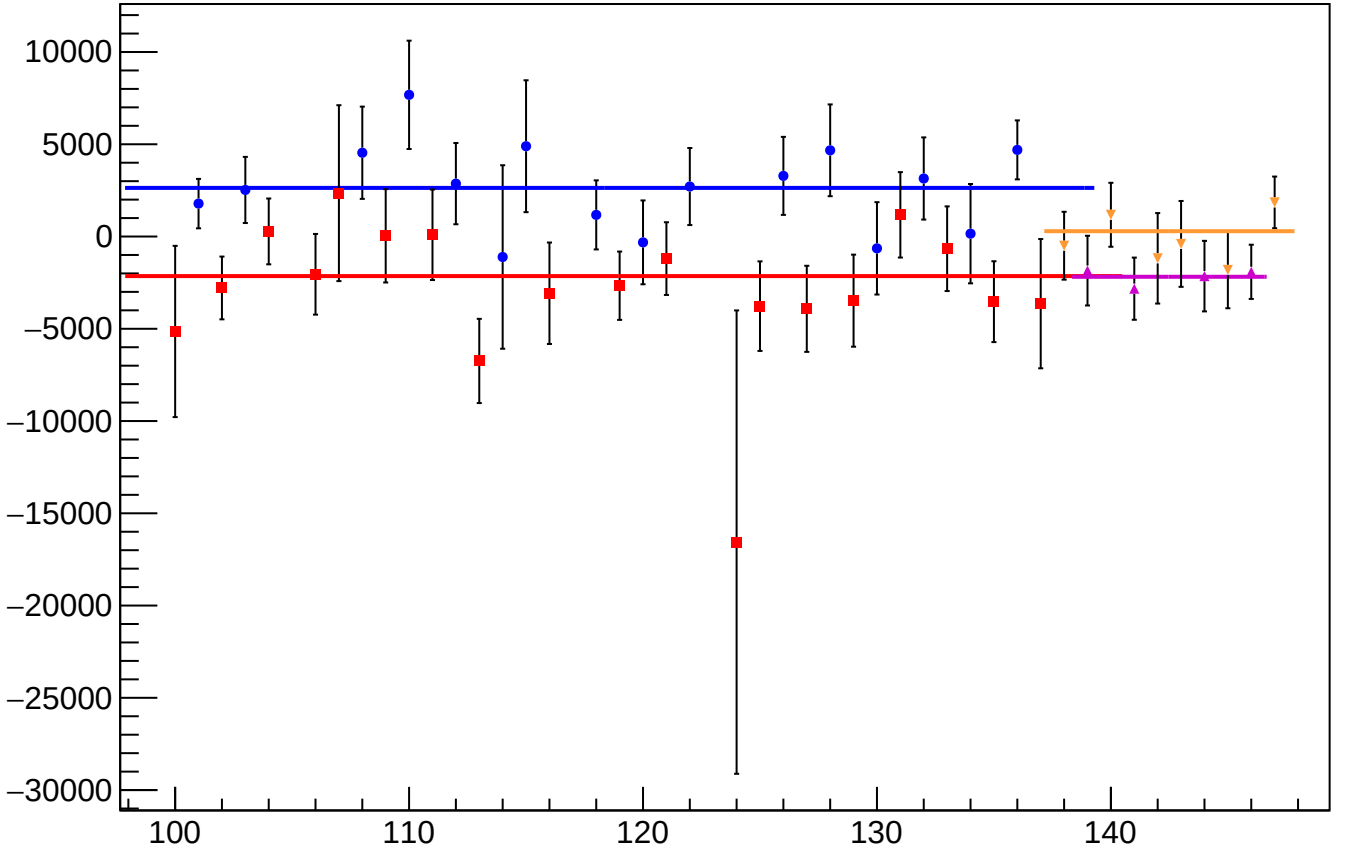
Left In: 378.916+/-0.143 χ^2/NDF:15.7/3

+ sign 378.784+/-0.078 χ^2/NDF: 978.1/21

All: 379.162+/-0.056 χ^2/NDF: 100694.7/44

- sign 379.568+/-0.081 χ^2/NDF: 99668.0/22

asym_us_agg_avg_mean vs Slug



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

Left Out: 289.001+/-762.262 χ^2/NDF:3.2/5

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

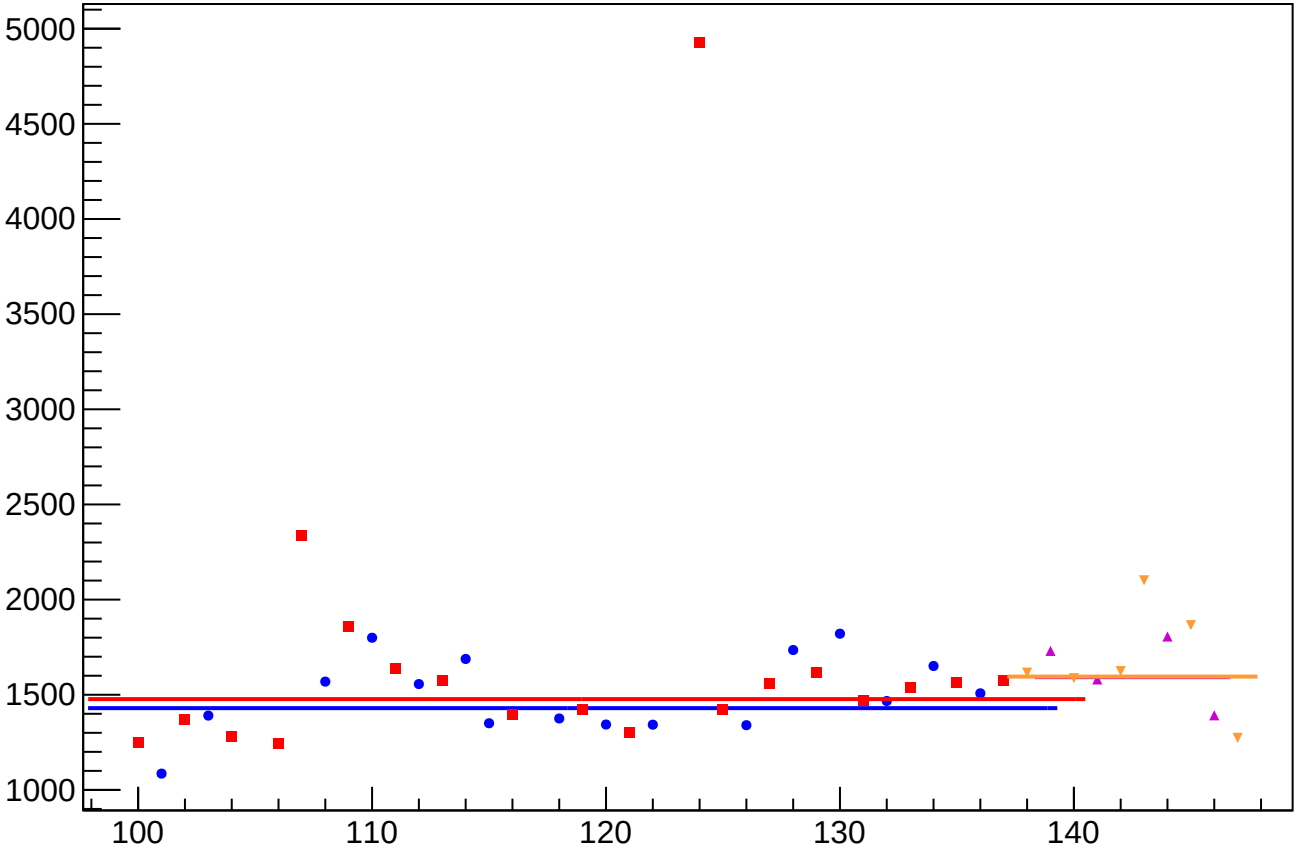
Left In: -2181.628+/-854.462 χ^2/NDF:0.2/3

+ sign 1855.135+/-439.566 χ^2/NDF: 21.7/21

All: -56.157+/-318.018 χ^2/NDF: 76.7/44

- sign -2155.341+/-460.665 χ^2/NDF: 15.3/22

asym_us_agg_avg_rms vs Slug



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

Left Out: 1595.481+/-0.539 χ^2/NDF:234468.6/5

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

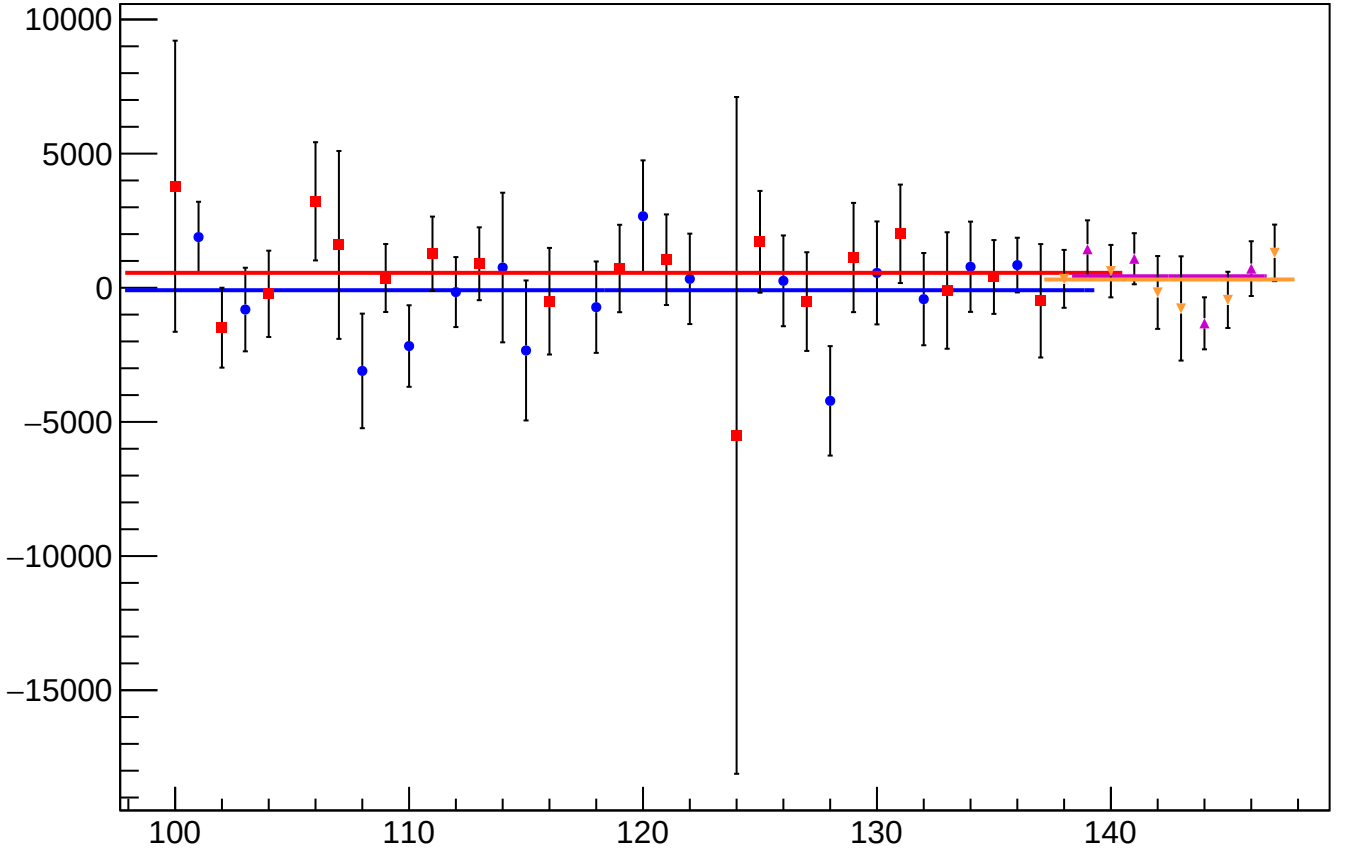
Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

+ sign 1484.797+/-0.311 χ^2/NDF: 591034.2/21

All: 1497.127+/-0.225 χ^2/NDF: 1062638.9/44

- sign 1510.669+/-0.326 χ^2/NDF: 468302.8/22

asym_us_agg_dd_mean vs Slug



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

Left Out: 308.712+/-470.184 χ^2/NDF:2.0/5

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

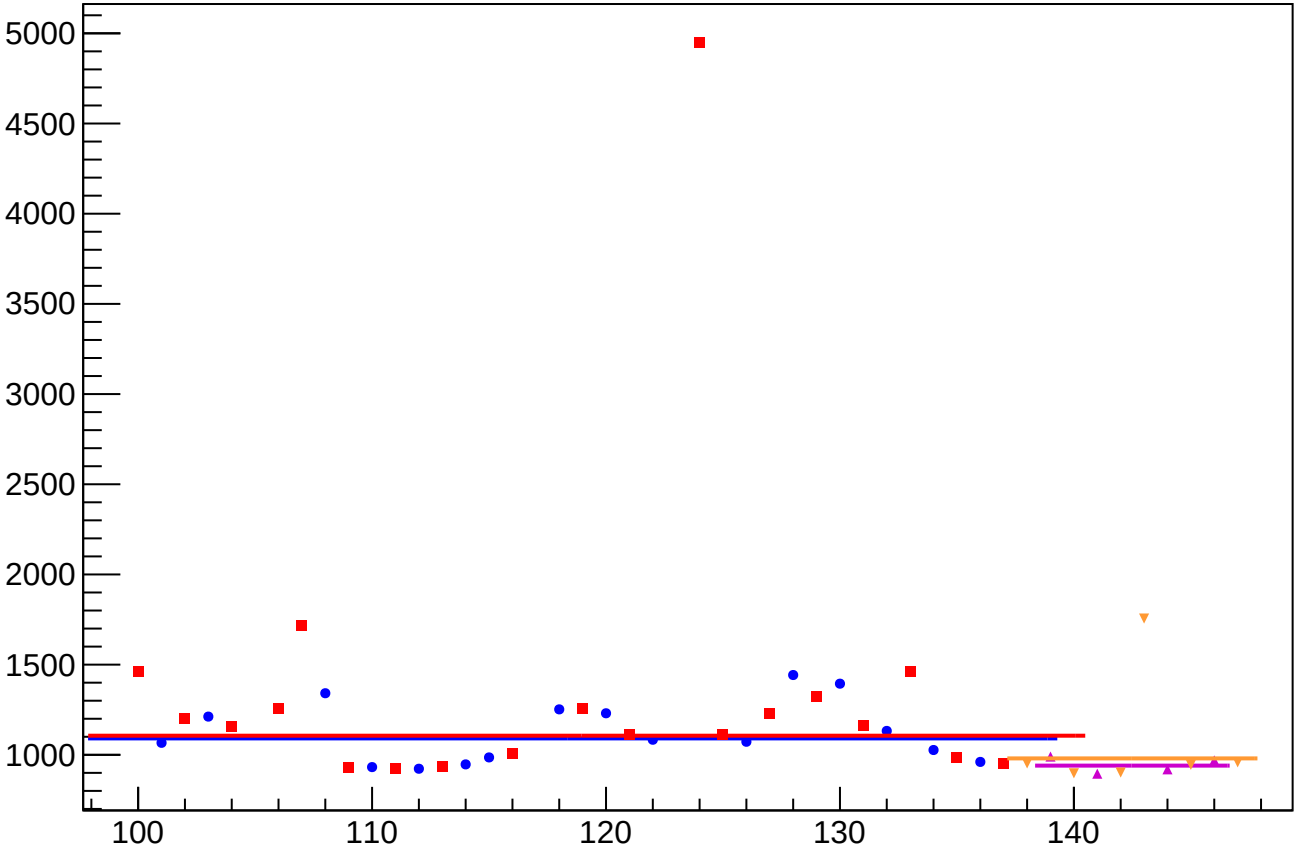
Left In: 428.502+/-500.616 χ^2/NDF:4.7/3

+ sign 81.458+/-308.997 χ^2/NDF: 16.9/21

All: 287.325+/-221.547 χ^2/NDF: 29.3/44

- sign 505.115+/-317.819 χ^2/NDF: 11.5/22

asym_us_agg_dd_rms vs Slug



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

Left Out: 980.206+/-0.332 χ^2/NDF:343882.0/5

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

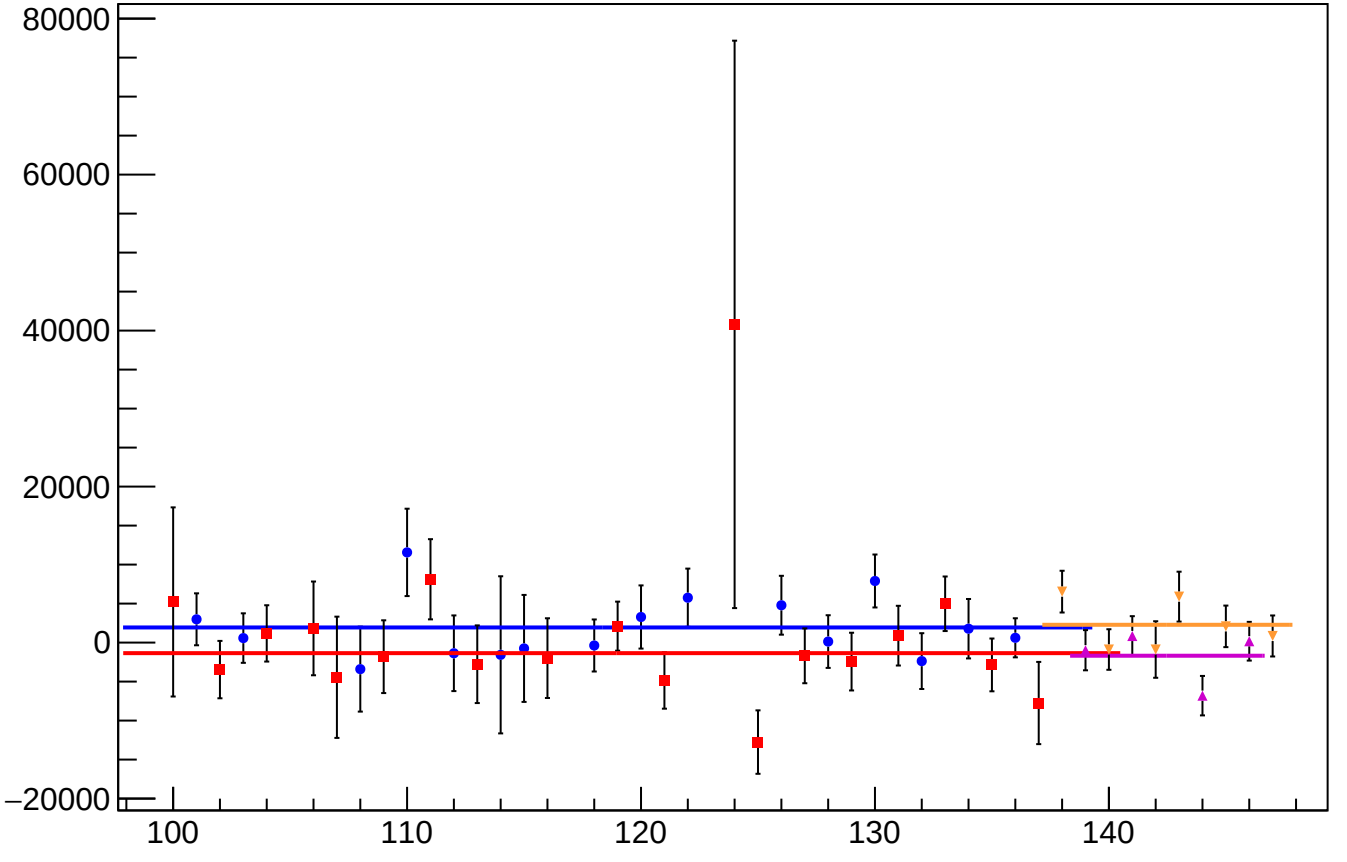
Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

+ sign 1043.173+/-0.218 χ^2/NDF: 684323.3/21

All: 1041.241+/-0.157 χ^2/NDF: 1340896.9/44

- sign 1039.198+/-0.225 χ^2/NDF: 656412.8/22

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2281.114+/-1156.965 χ^2/NDF:6.4/5

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

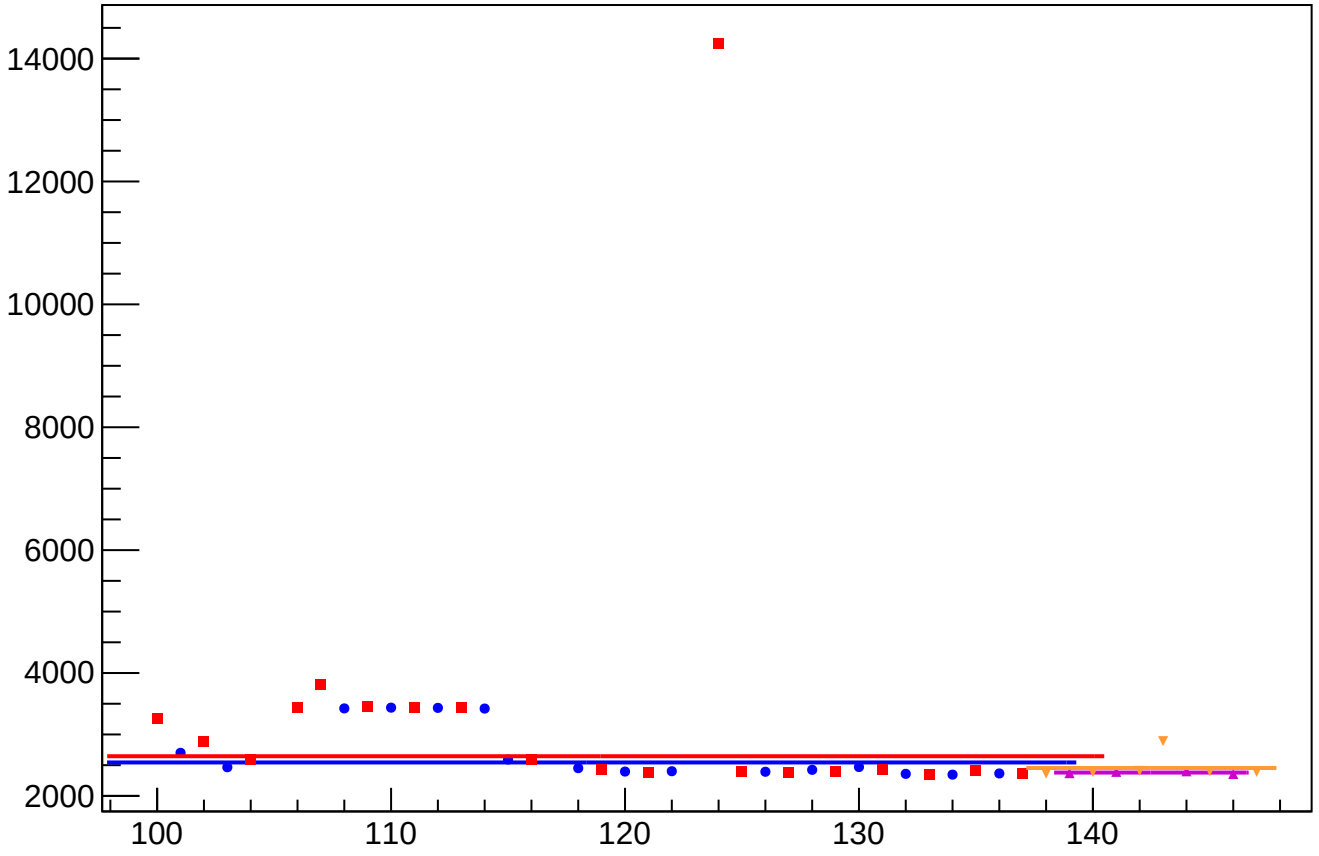
Left In: -1685.215+/-1265.894 χ^2/NDF:5.7/3

+ sign 2077.603+/-735.373 χ^2/NDF: 18.6/21

All: 398.343+/-534.242 χ^2/NDF: 57.2/44

- sign -1478.571+/-777.447 χ^2/NDF: 27.6/22

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

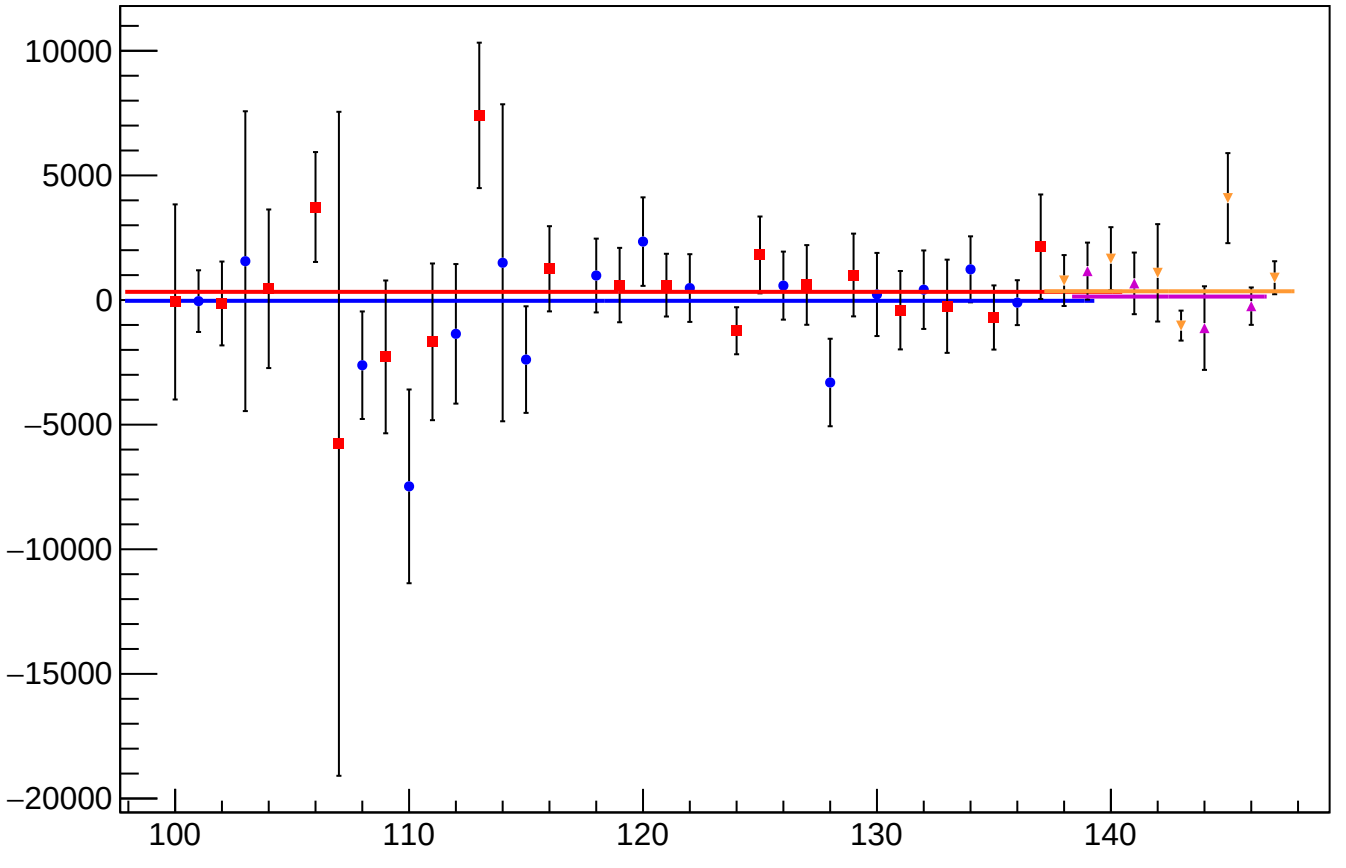
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2525.623+/-0.378 χ^2/NDF: 870633.5/44

- sign 2545.355+/-0.550 χ^2/NDF: 592307.8/22



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 351.747+/-372.756 χ^2/NDF:11.6/5

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

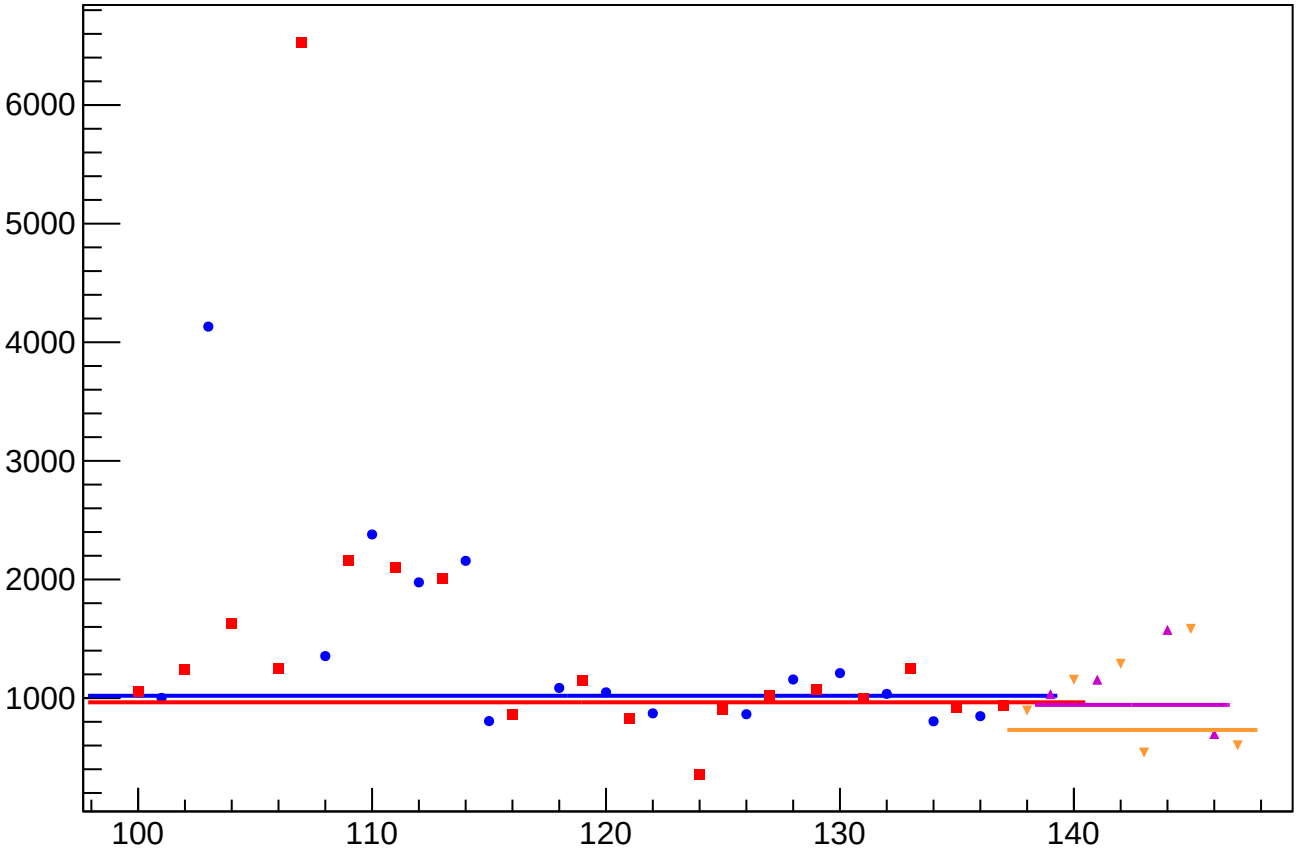
Left In: 138.582+/-530.775 χ^2/NDF:1.8/3

+ sign 176.467+/-274.495 χ^2/NDF: 25.9/21

All: 212.044+/-207.989 χ^2/NDF: 43.4/44

- sign 260.006+/-318.714 χ^2/NDF: 17.5/22

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 731.593+/-0.264 χ^2/NDF:1162067.3/5

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

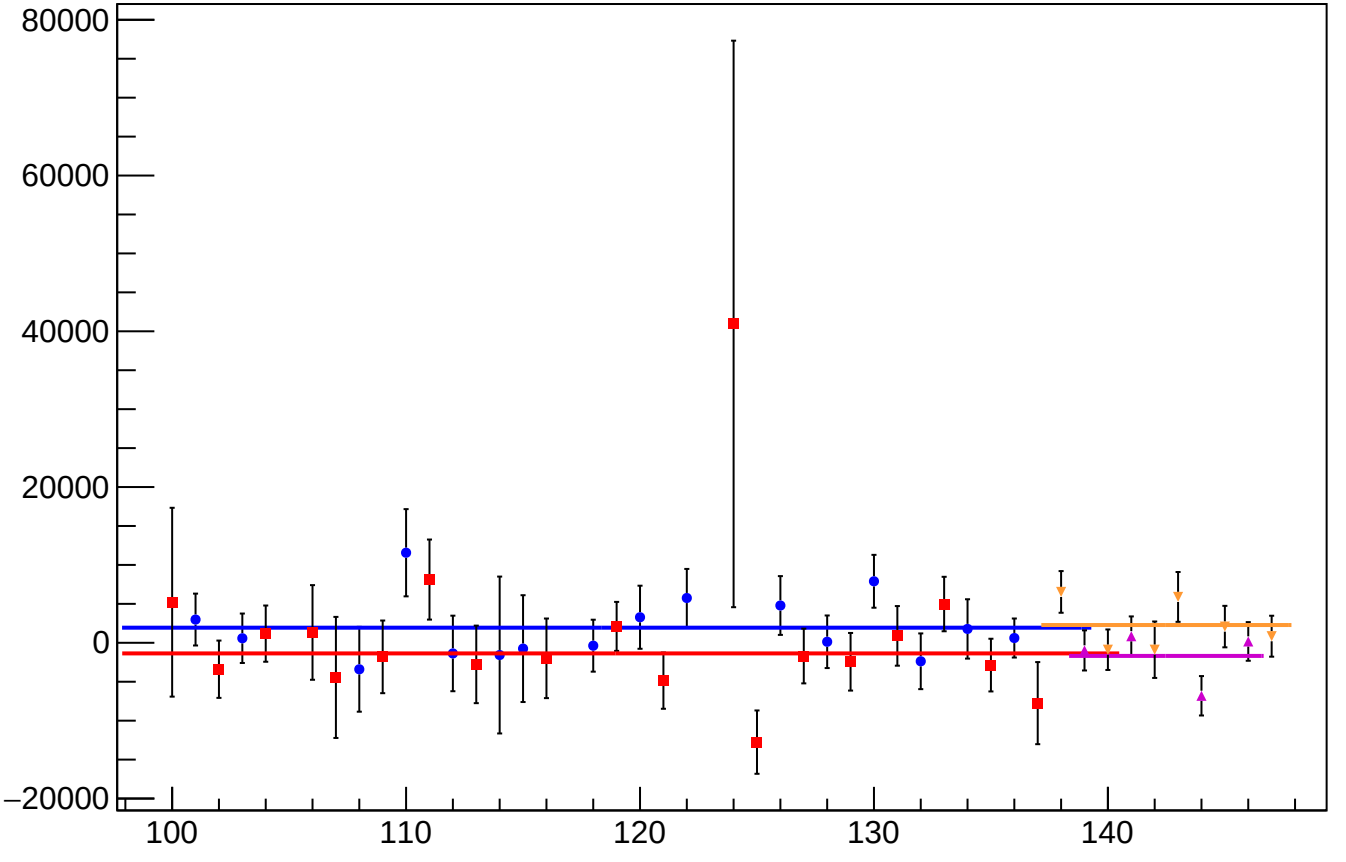
Left In: 942.715+/-0.375 χ^2/NDF:569251.6/3

+ sign 863.385+/-0.194 χ^2/NDF: 3073020.7/21

All: 903.069+/-0.147 χ^2/NDF: 6051915.6/44

- sign 956.568+/-0.225 χ^2/NDF: 2880741.4/22

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

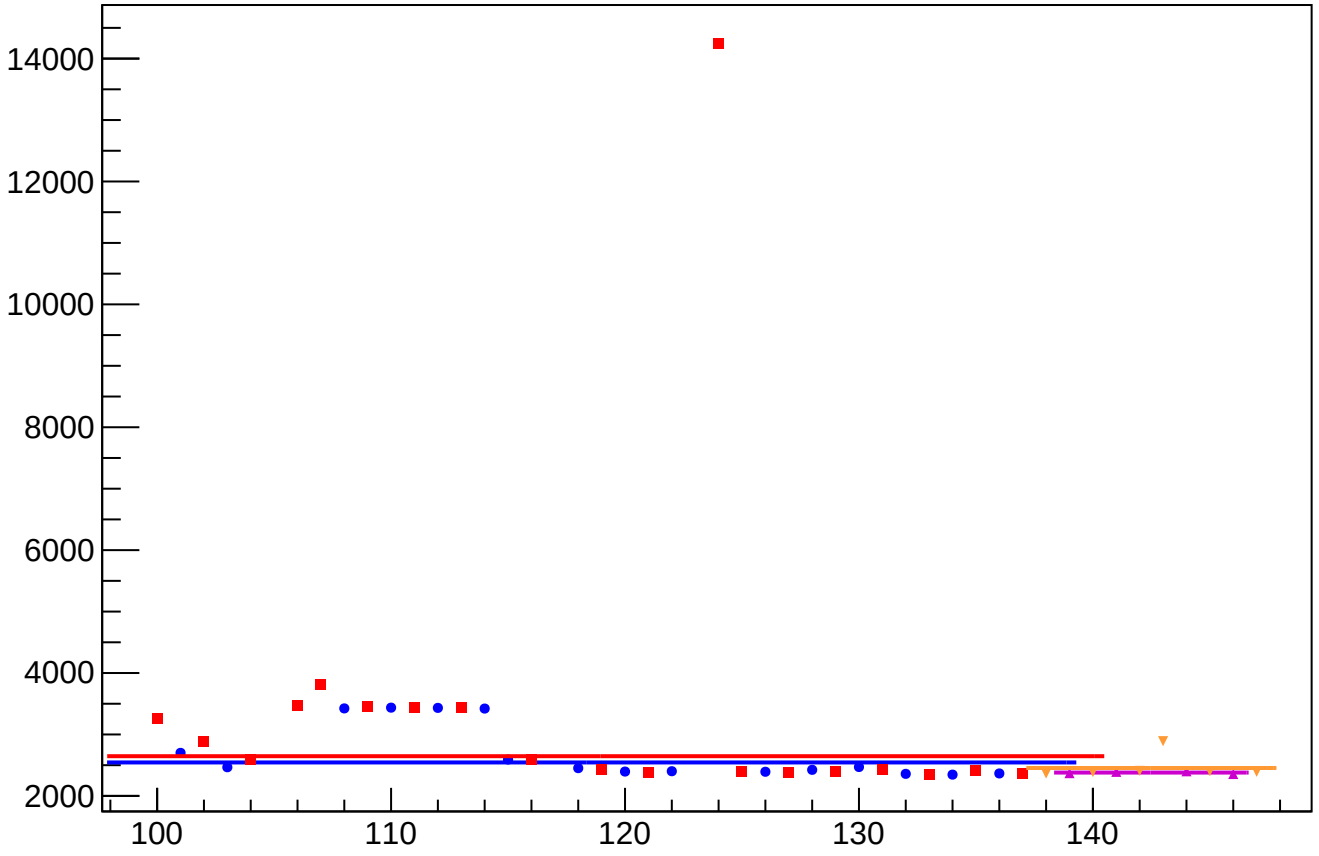
Left In: -1685.359+/-1265.894 χ^2/NDF:5.7/3

+ sign 2077.746+/-735.373 χ^2/NDF: 18.6/21

All: 395.867+/-534.290 χ^2/NDF: 57.2/44

- sign -1484.689+/-777.595 χ^2/NDF: 27.5/22

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

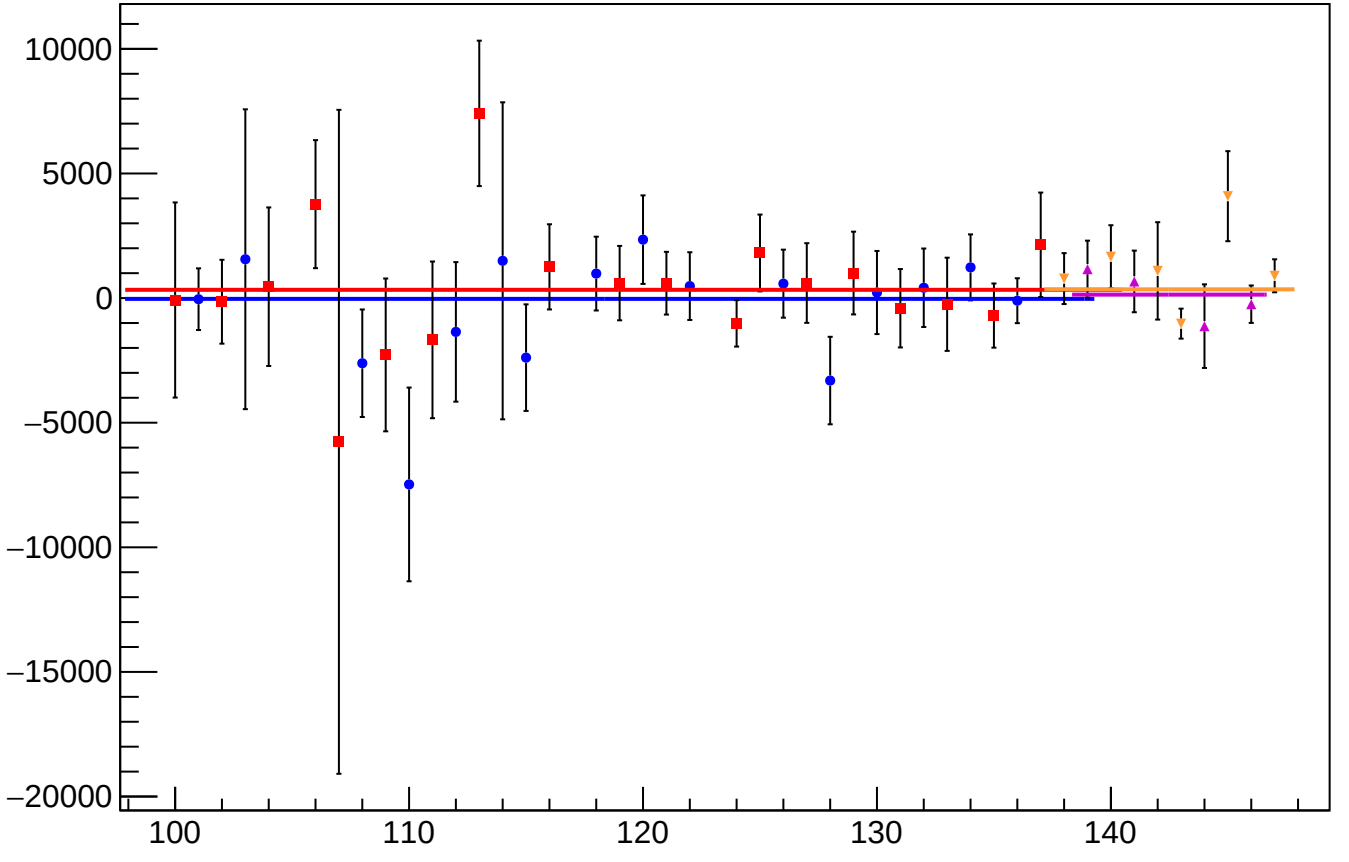
Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2525.765+/-0.378 χ^2/NDF: 873472.5/44

- sign 2545.663+/-0.550 χ^2/NDF: 595106.9/22

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

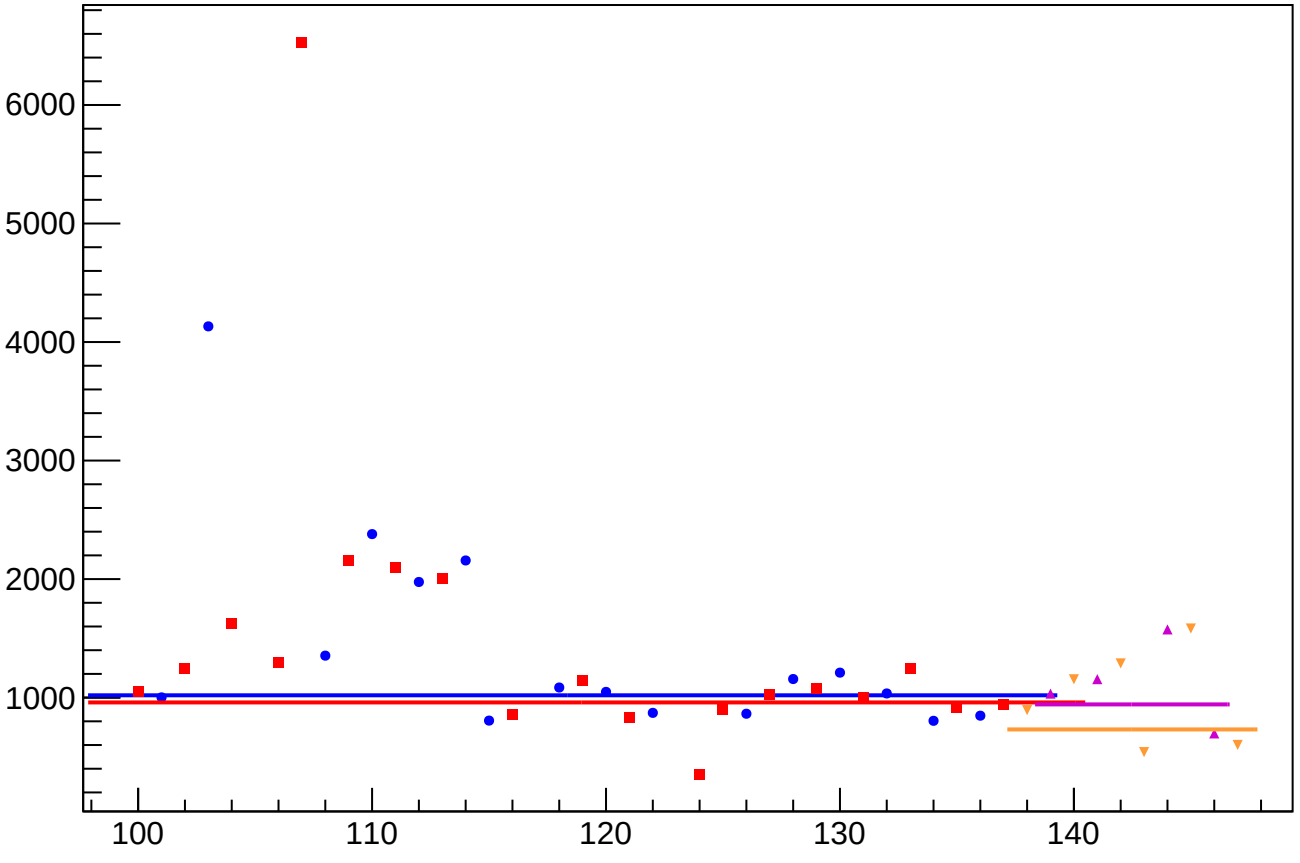
Left In: 138.795+/-530.772 χ^2/NDF:1.8/3

+ sign 176.384+/-274.498 χ^2/NDF: 25.8/21

All: 212.855+/-208.098 χ^2/NDF: 42.2/44

- sign 262.142+/-319.105 χ^2/NDF: 16.3/22

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

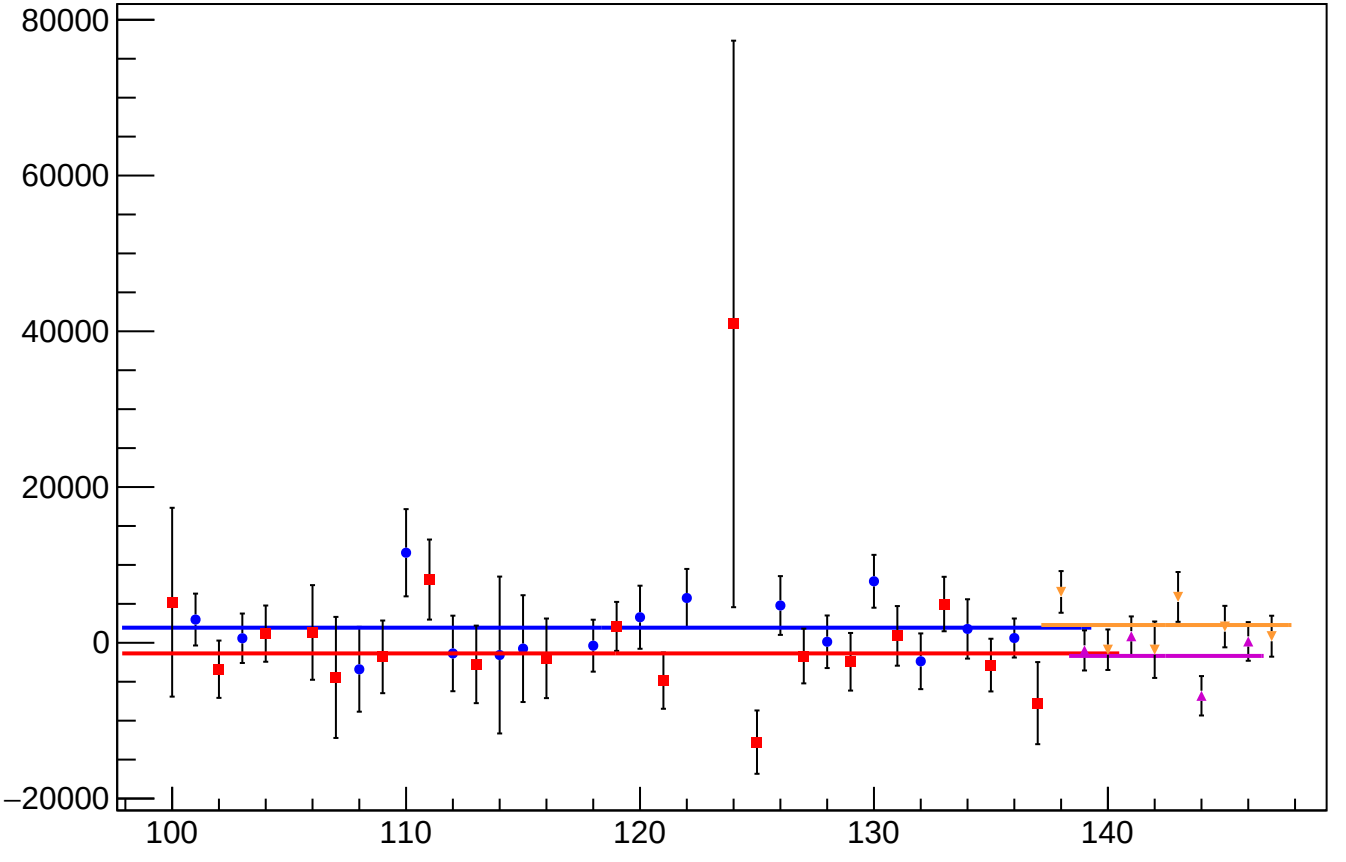
Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

+ sign 863.398+/-0.194 χ^2/NDF: 3072814.1/21

All: 901.644+/-0.147 χ^2/NDF: 6079075.8/44

- sign 953.330+/-0.226 χ^2/NDF: 2914965.8/22

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

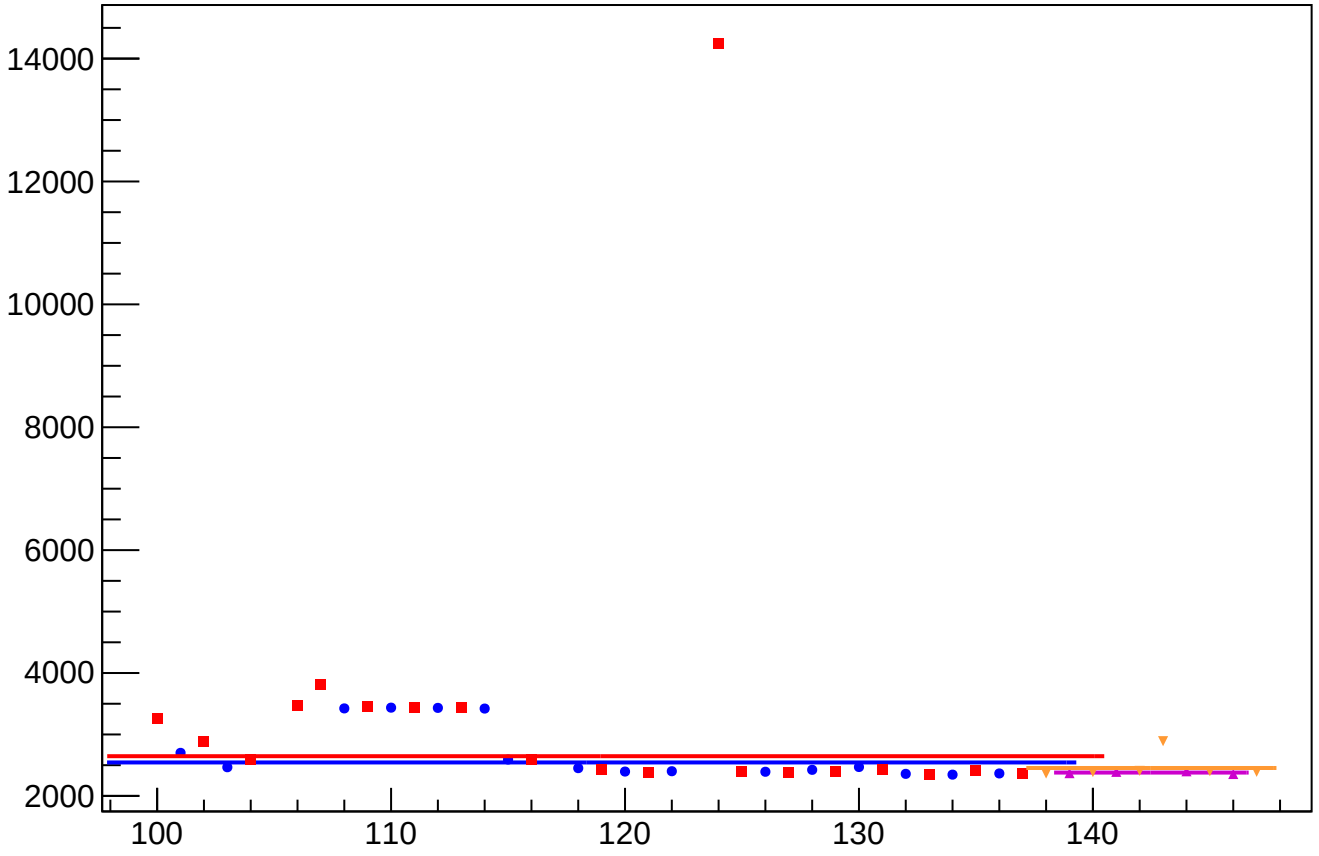
Left In: -1685.359+/-1265.894 χ^2/NDF:5.7/3

+ sign 2077.746+/-735.373 χ^2/NDF: 18.6/21

All: 395.867+/-534.290 χ^2/NDF: 57.2/44

- sign -1484.689+/-777.595 χ^2/NDF: 27.5/22

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

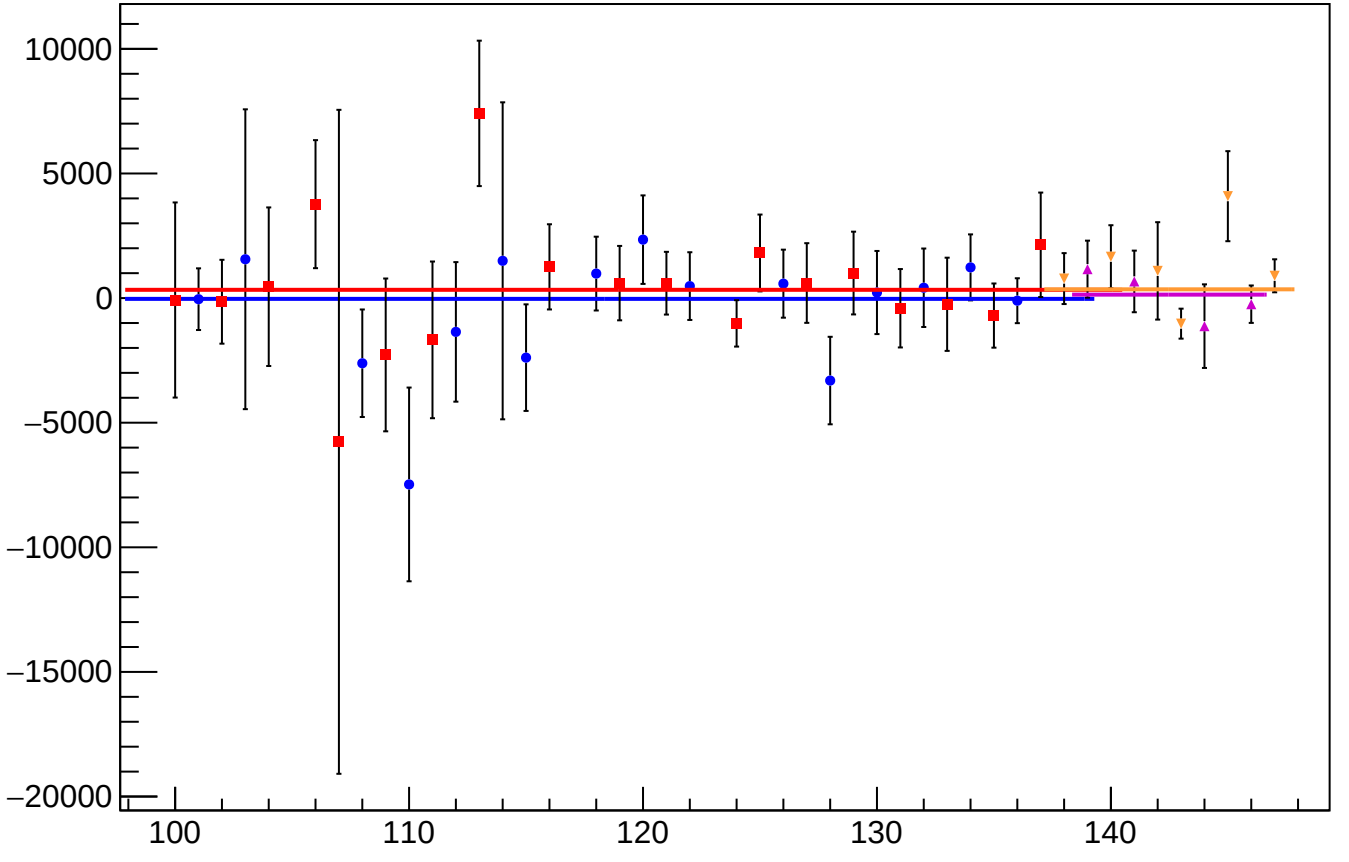
Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2525.765+/-0.378 χ^2/NDF: 873472.5/44

- sign 2545.663+/-0.550 χ^2/NDF: 595106.9/22

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

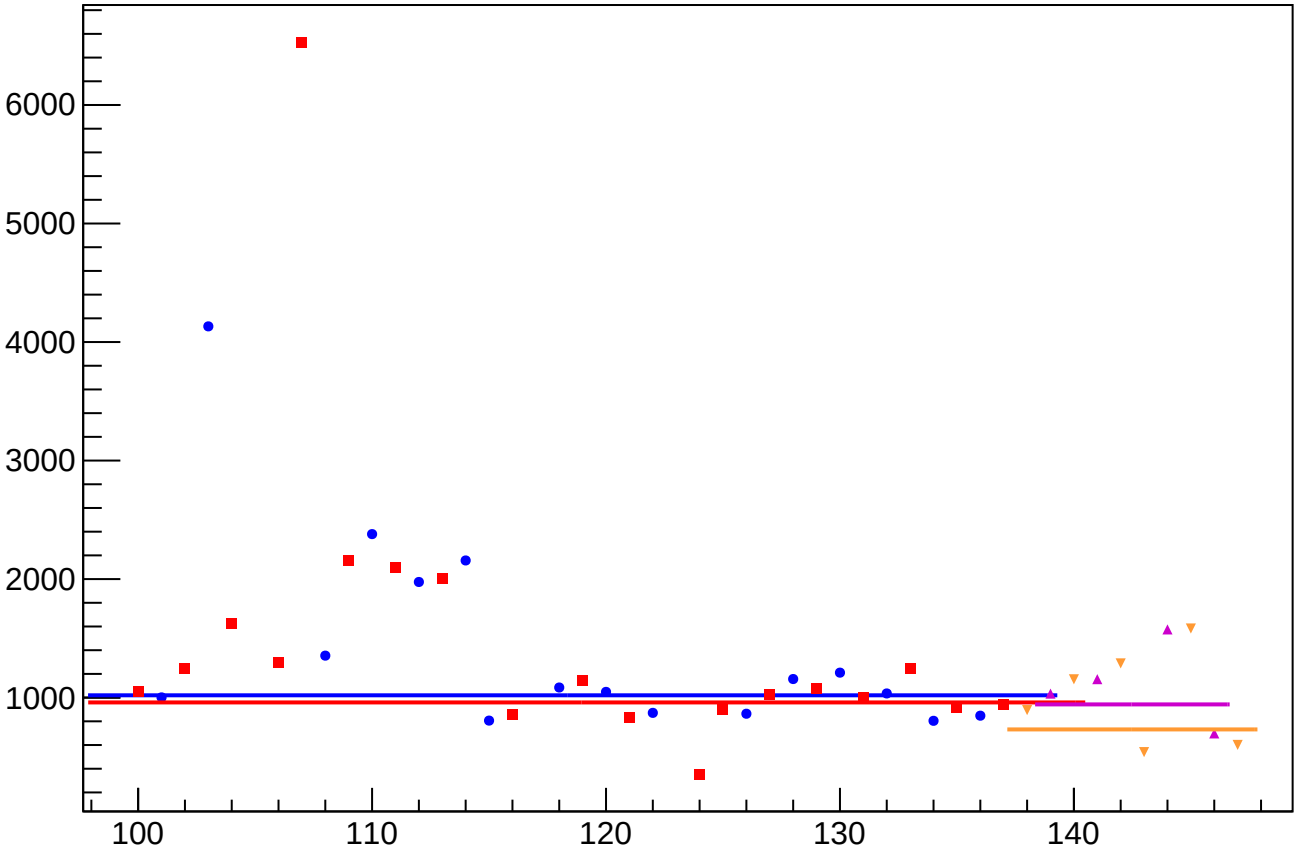
Left In: 138.795+/-530.772 χ^2/NDF:1.8/3

+ sign 176.384+/-274.498 χ^2/NDF: 25.8/21

All: 212.855+/-208.098 χ^2/NDF: 42.2/44

- sign 262.142+/-319.105 χ^2/NDF: 16.3/22

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

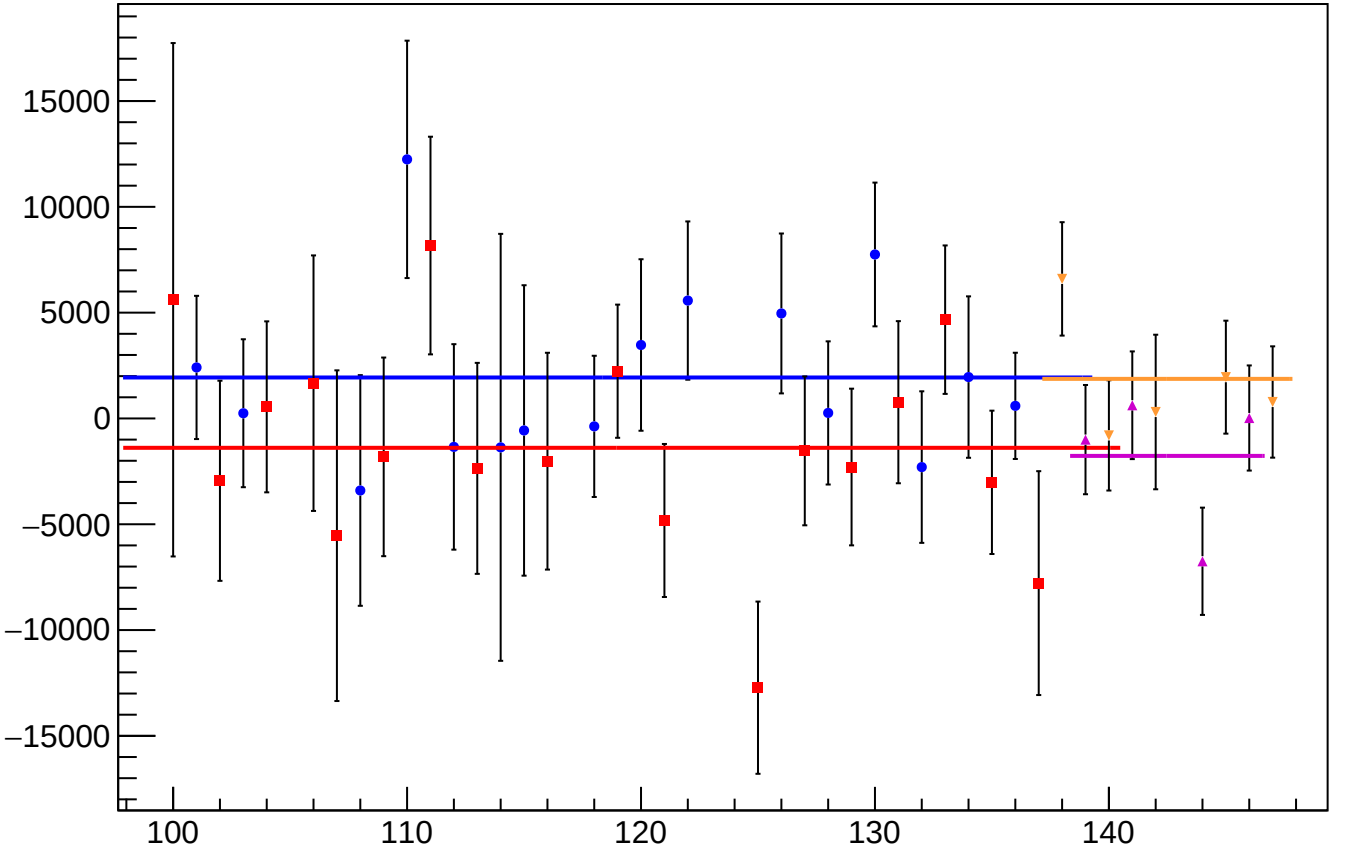
Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

+ sign 863.398+/-0.194 χ^2/NDF: 3072814.1/21

All: 901.644+/-0.147 χ^2/NDF: 6079075.8/44

- sign 953.330+/-0.226 χ^2/NDF: 2914965.8/22

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.643+/-1243.656 χ^2/NDF:4.5/4

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

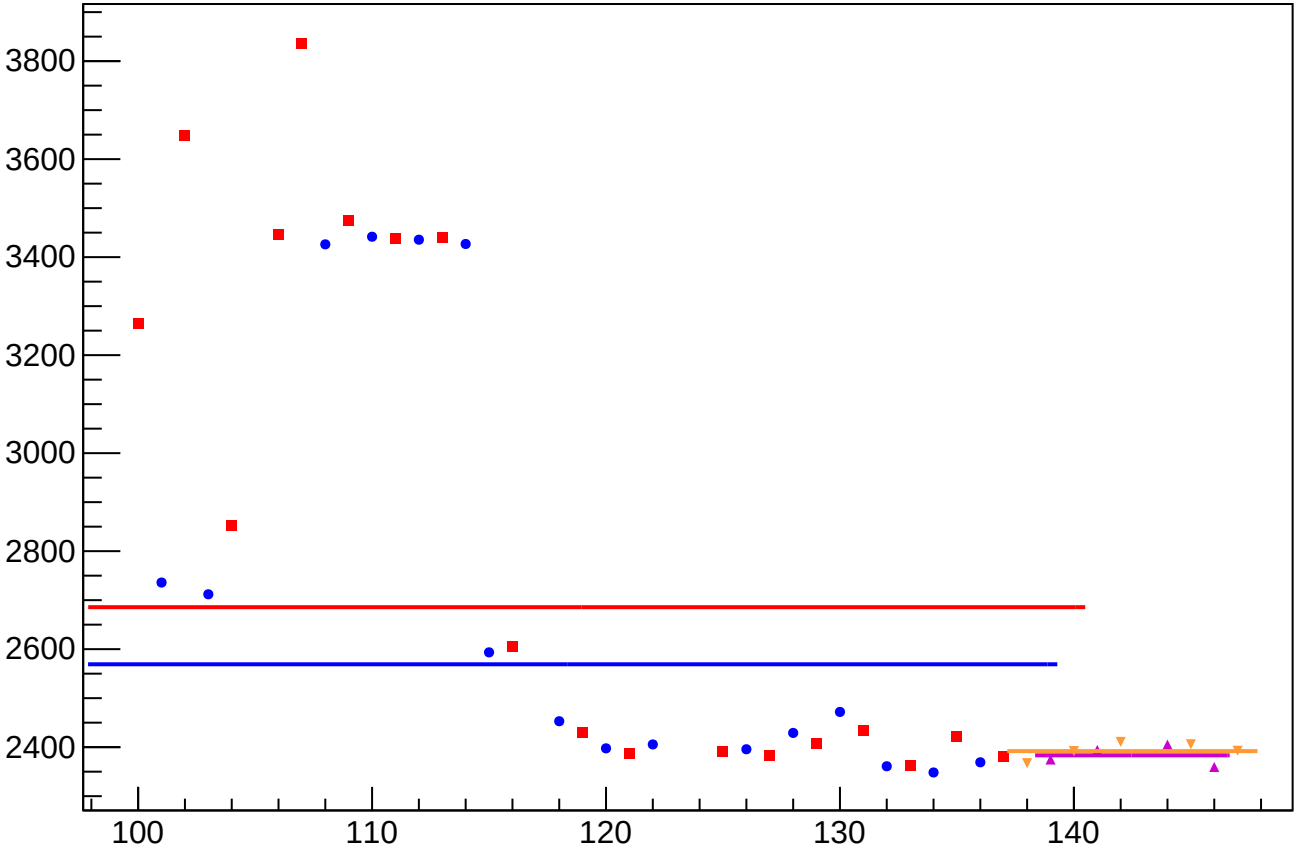
Left In: -1769.617+/-1267.828 χ^2/NDF:5.4/3

+ sign 1911.518+/-761.081 χ^2/NDF: 16.9/20

All: 251.150+/-547.951 χ^2/NDF: 51.9/42

- sign -1535.722+/-789.543 χ^2/NDF: 25.2/21

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

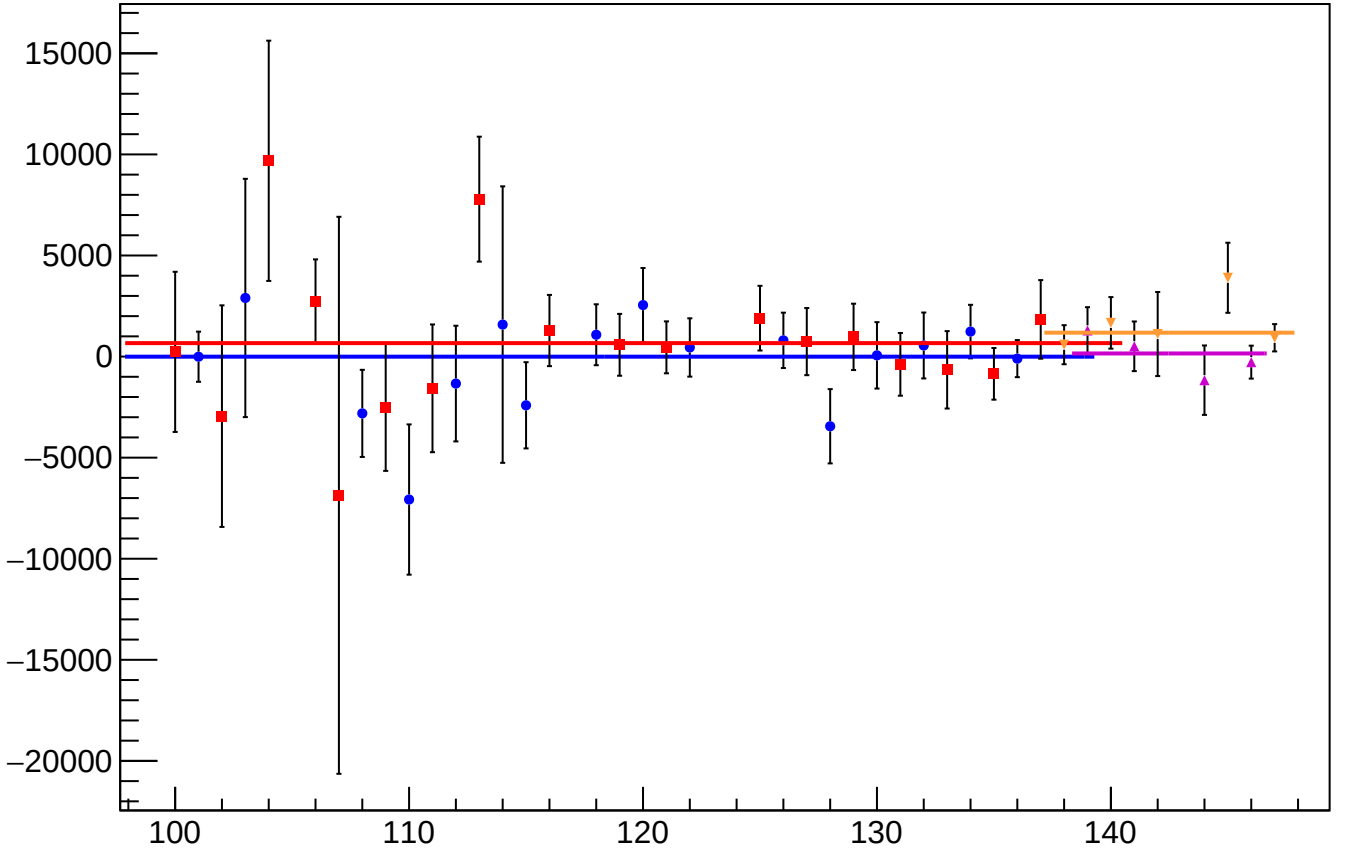
Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

+ sign 2502.782+/-0.538 χ^2/NDF: 255149.8/20

All: 2534.398+/-0.387 χ^2/NDF: 751598.0/42

- sign 2568.422+/-0.558 χ^2/NDF: 489282.7/21

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1181.290+/-474.309 χ^2/NDF:3.1/4

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

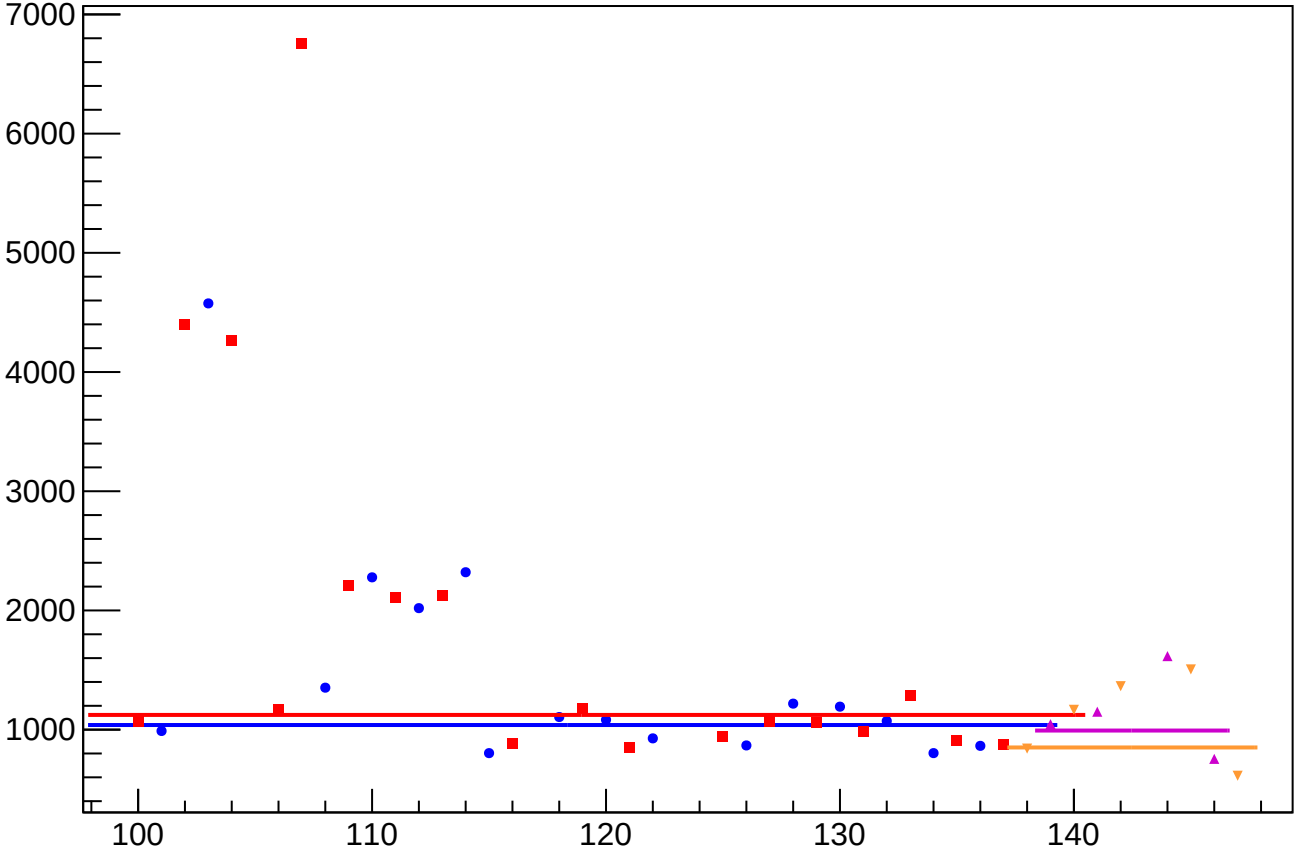
Left In: 154.097+/-553.549 χ^2/NDF:1.9/3

+ sign 505.410+/-311.148 χ^2/NDF: 21.2/20

All: 484.135+/-233.711 χ^2/NDF: 38.0/42

- sign 456.594+/-354.020 χ^2/NDF: 16.8/21

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 850.522+/-0.335 χ^2/NDF:777414.4/4

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

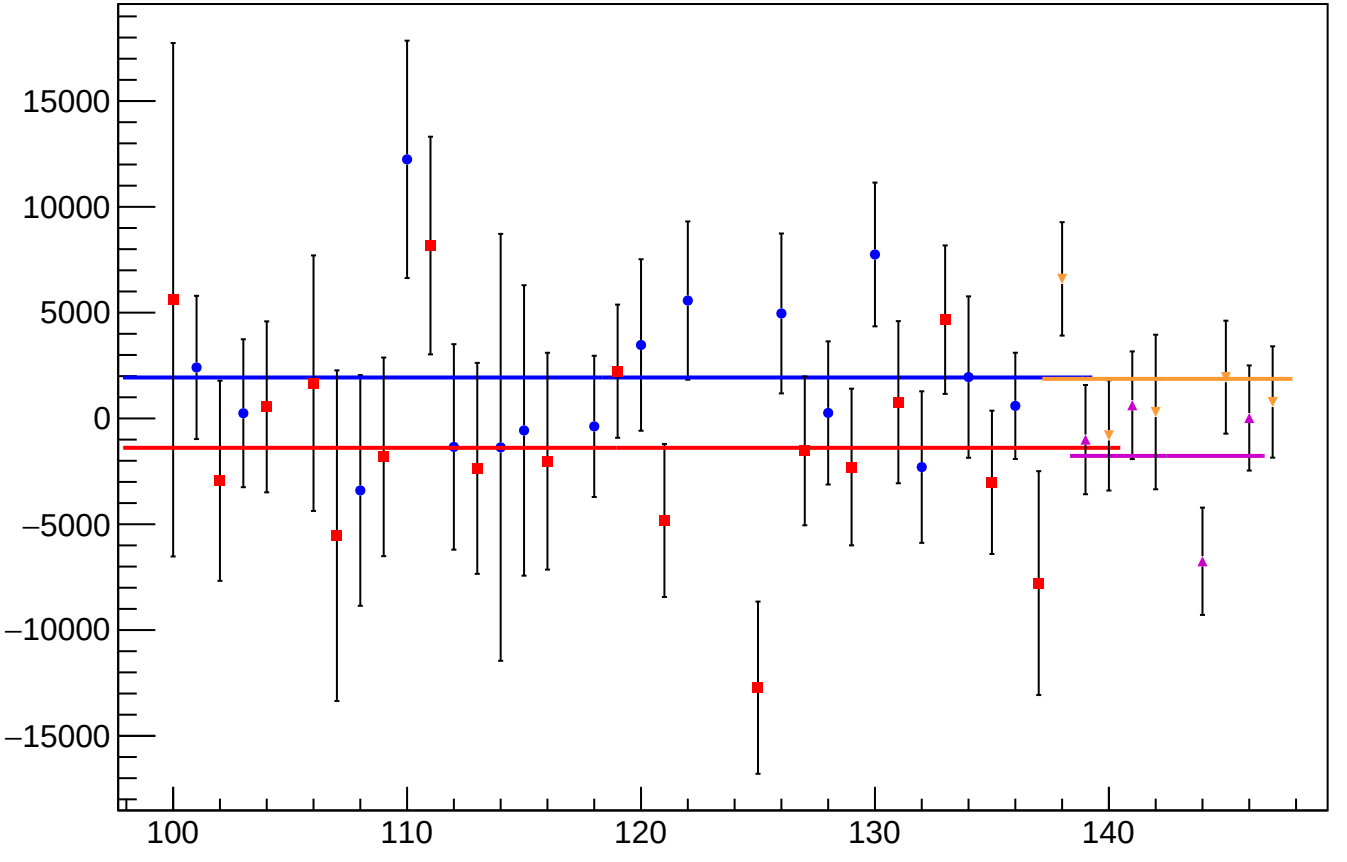
Left In: 992.441+/-0.391 χ^2/NDF:471808.9/3

+ sign 957.779+/-0.220 χ^2/NDF: 2496674.0/20

All: 1006.633+/-0.165 χ^2/NDF: 5683363.4/42

- sign 1069.879+/-0.250 χ^2/NDF: 3073550.3/21

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.647+/-1243.656 χ^2/NDF:4.5/4

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

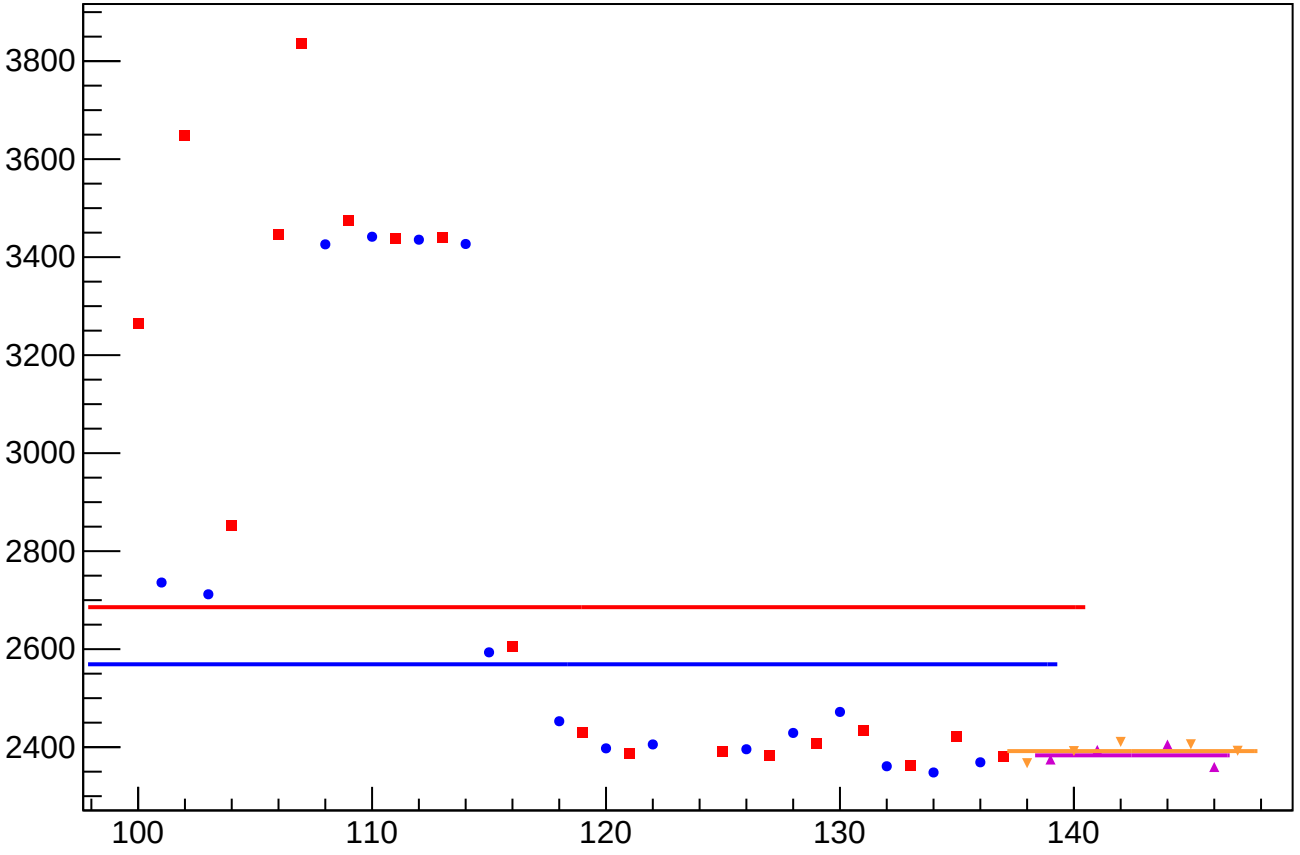
Left In: -1769.616+/-1267.828 χ^2/NDF:5.4/3

+ sign 1911.517+/-761.081 χ^2/NDF: 16.9/20

All: 251.151+/-547.951 χ^2/NDF: 51.9/42

- sign -1535.720+/-789.543 χ^2/NDF: 25.2/21

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

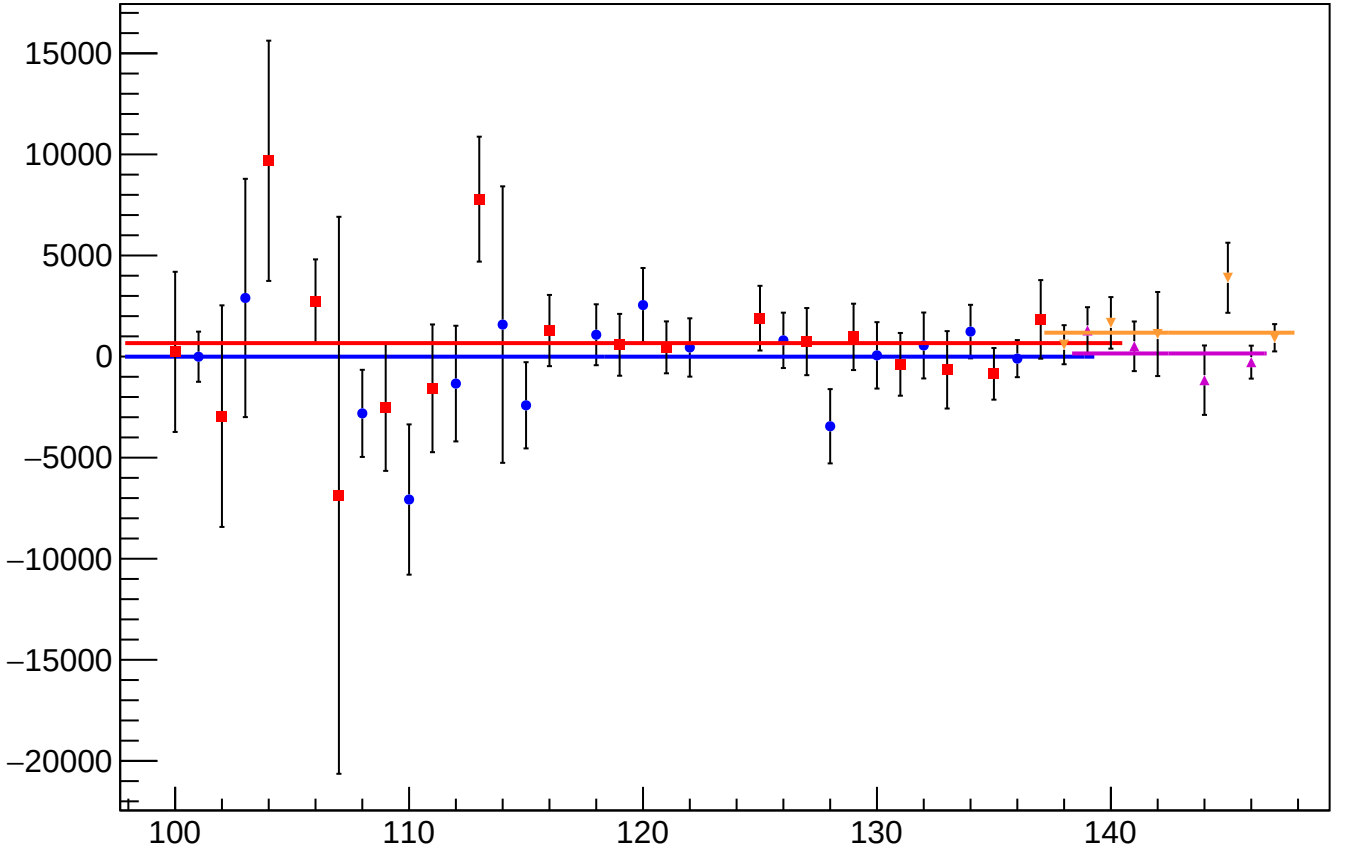
Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

+ sign 2502.782+/-0.538 χ^2/NDF: 255149.5/20

All: 2534.397+/-0.387 χ^2/NDF: 751596.9/42

- sign 2568.422+/-0.558 χ^2/NDF: 489282.0/21

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1181.291+/-474.310 χ^2/NDF:3.1/4

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

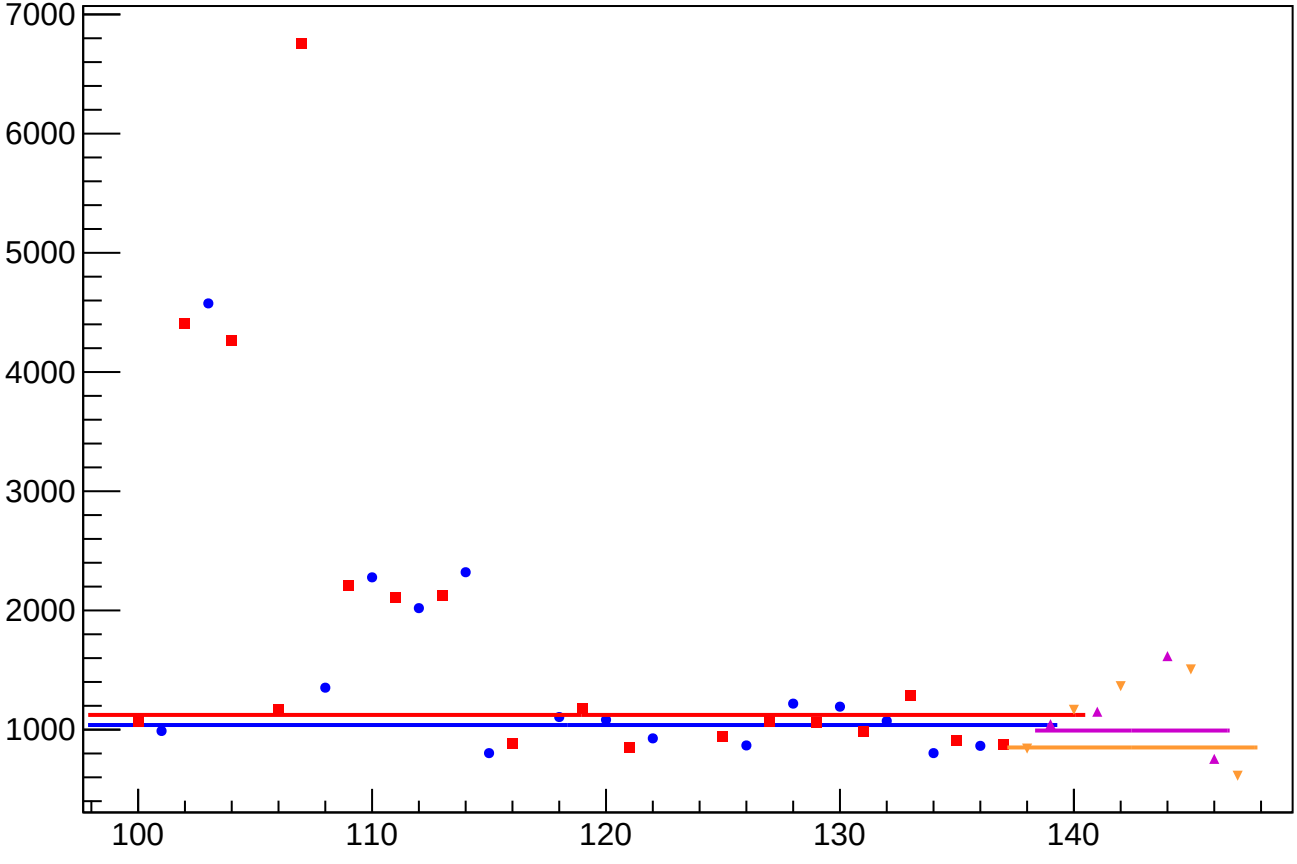
Left In: 154.099+/-553.550 χ^2/NDF:1.9/3

+ sign 505.408+/-311.148 χ^2/NDF: 21.2/20

All: 484.135+/-233.711 χ^2/NDF: 38.0/42

- sign 456.595+/-354.020 χ^2/NDF: 16.8/21

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 850.524+/-0.335 χ^2/NDF:777412.4/4

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

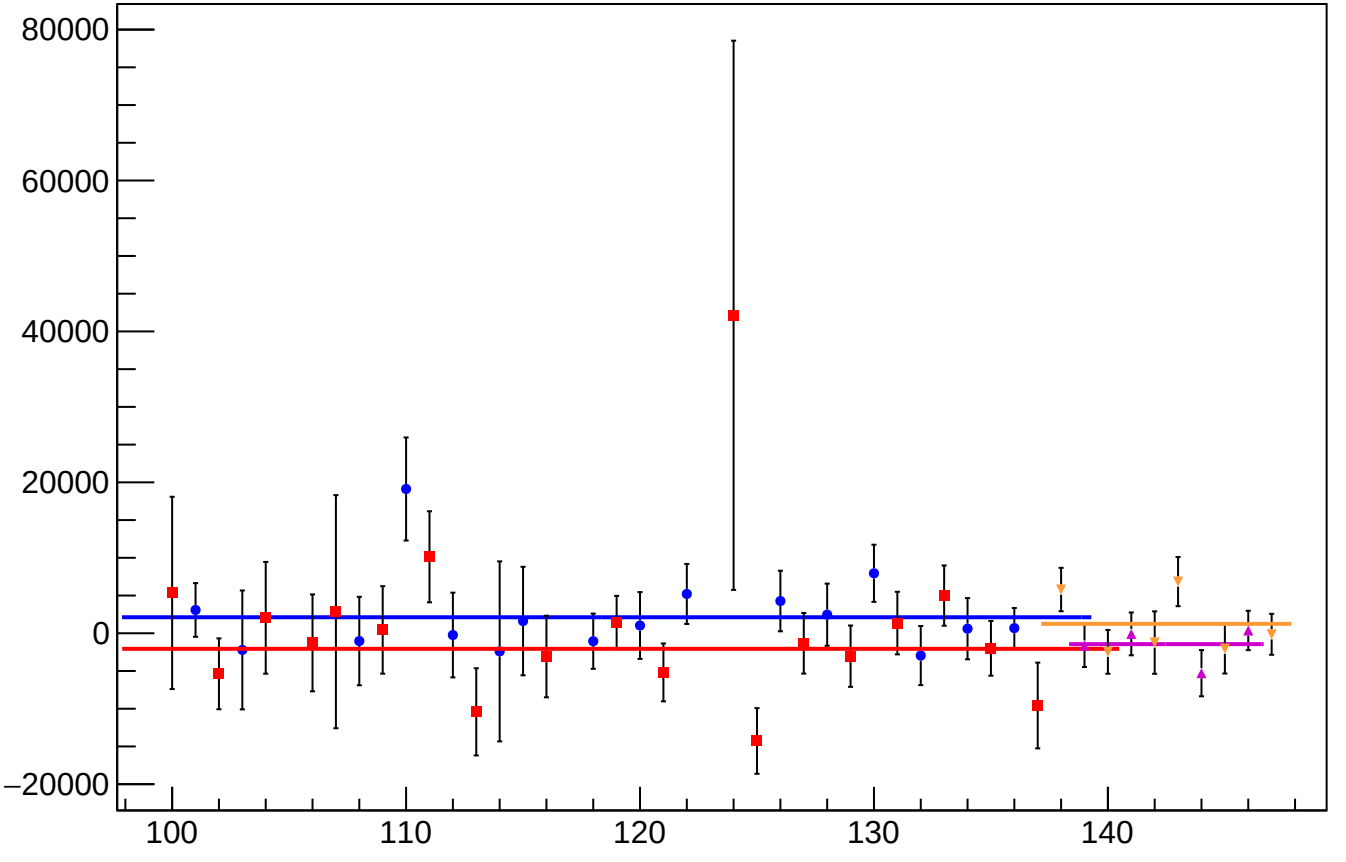
Left In: 992.442+/-0.391 χ^2/NDF:471809.2/3

+ sign 957.780+/-0.220 χ^2/NDF: 2496664.5/20

All: 1006.634+/-0.165 χ^2/NDF: 5683350.2/42

- sign 1069.880+/-0.250 χ^2/NDF: 3073547.8/21

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1247.552+/-1269.492 χ^2/NDF:8.7/5

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

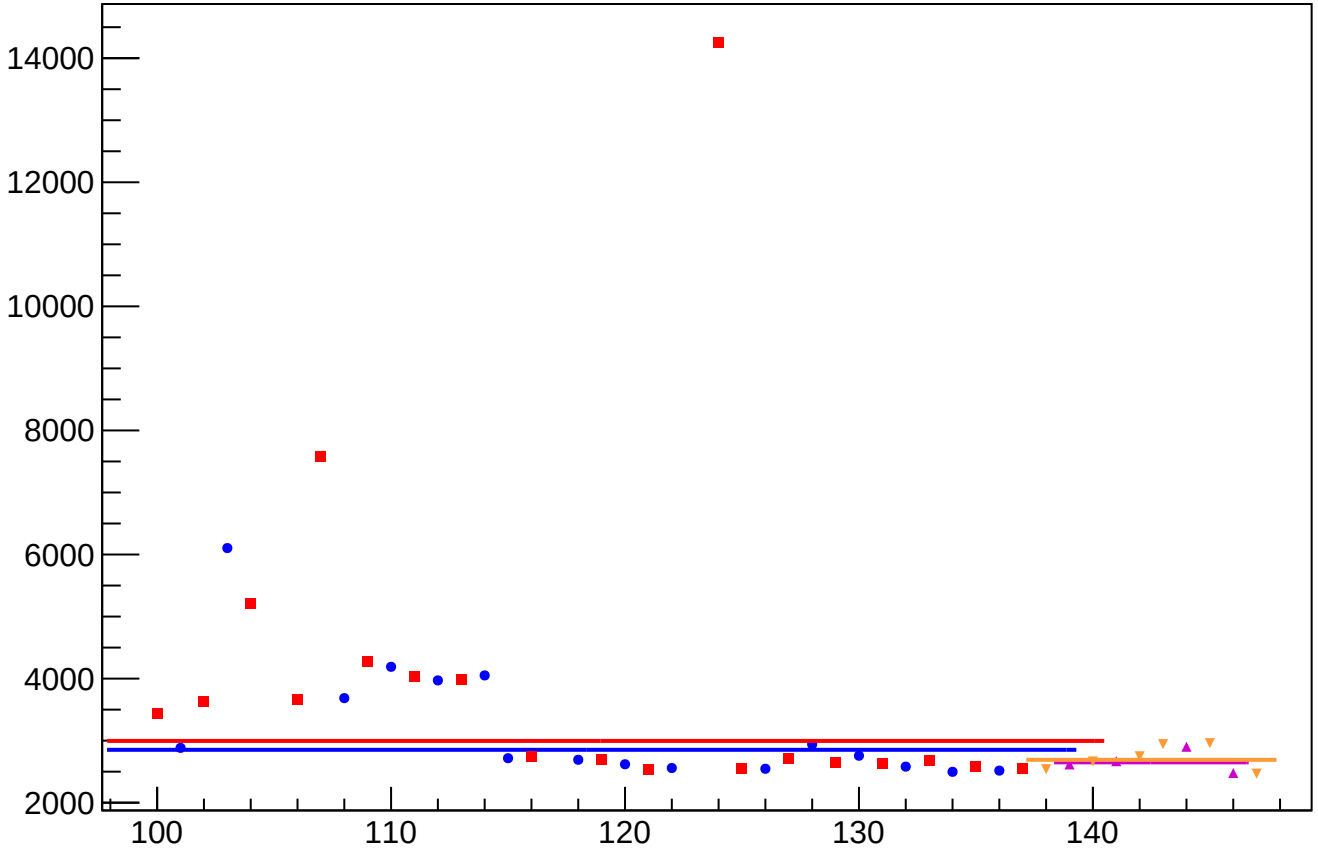
Left In: -1439.679+/-1412.923 χ^2/NDF:2.3/3

+ sign 1752.990+/-824.667 χ^2/NDF: 22.3/21

All: 95.684+/-603.557 χ^2/NDF: 57.8/44

- sign -1816.080+/-885.716 χ^2/NDF: 26.7/22

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2690.956+/-0.898 χ^2/NDF:44900.4/5

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

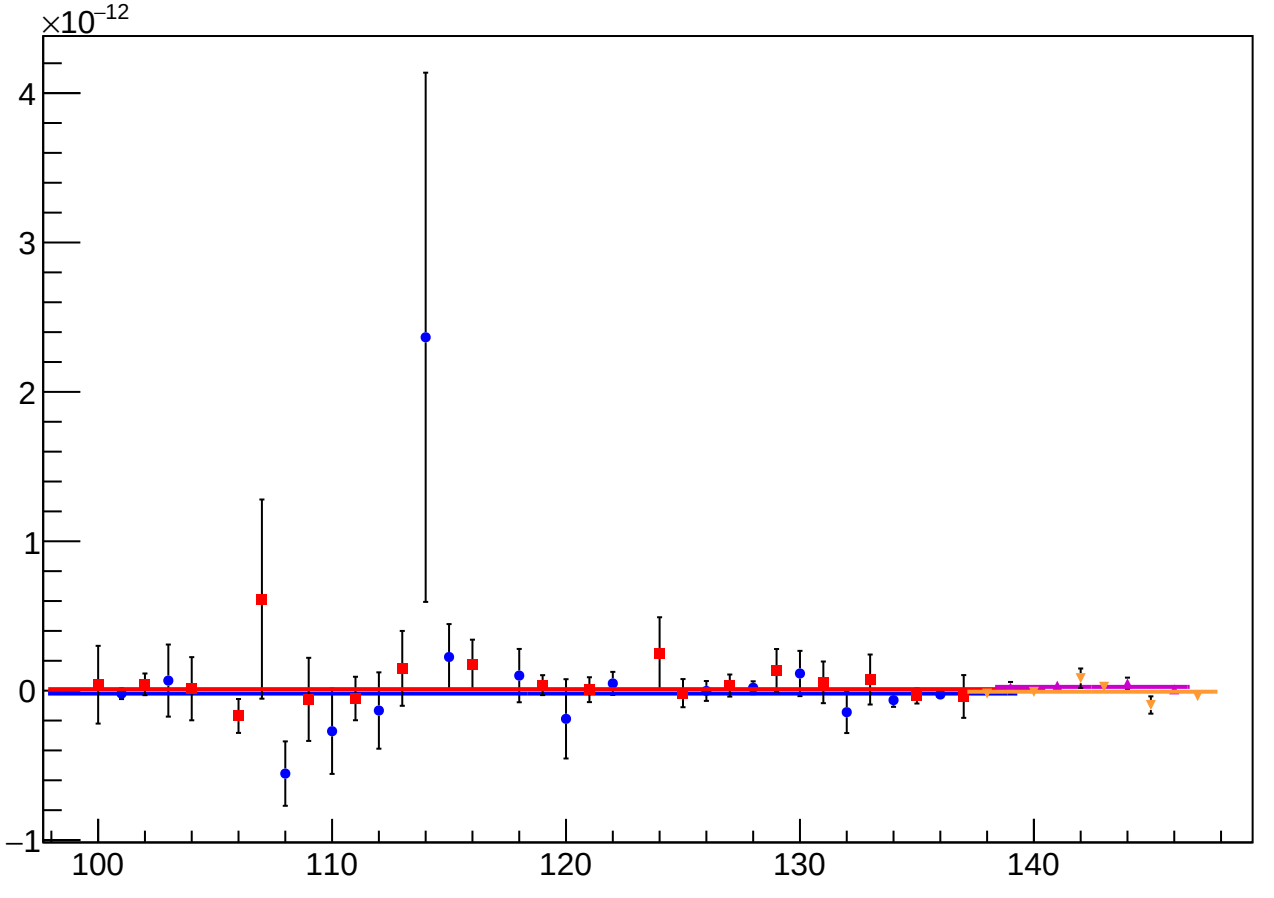
Left In: 2650.230+/-0.999 χ^2/NDF:22568.7/3

+ sign 2784.161+/-0.583 χ^2/NDF: 712266.9/21

All: 2819.301+/-0.427 χ^2/NDF: 1794333.5/44

- sign 2859.837+/-0.626 χ^2/NDF: 1074246.0/22

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:9.2/5

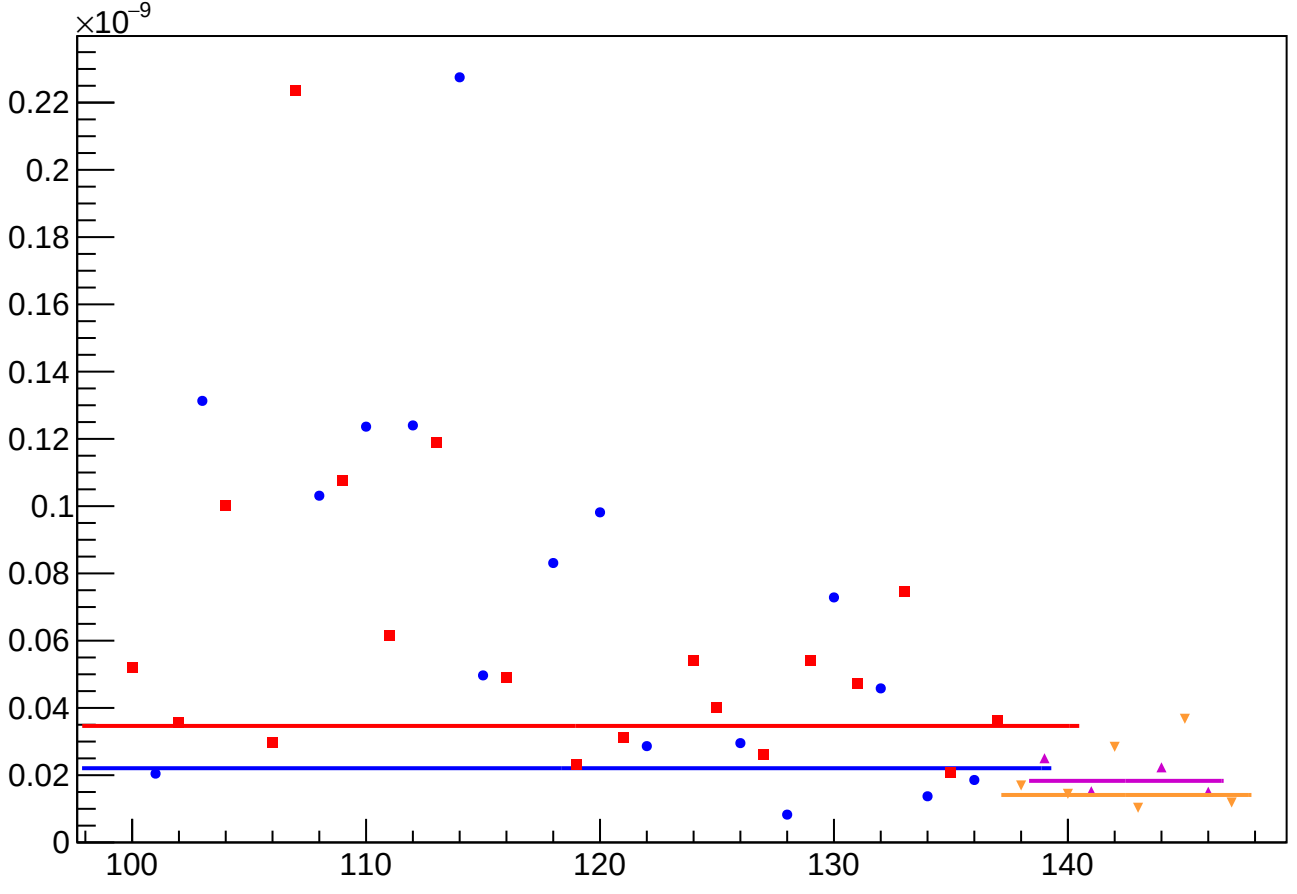
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/21

All: -0.000+/-0.000 χ^2/NDF: 38.1/44

- sign 0.000+/-0.000 χ^2/NDF: 9.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:523934.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

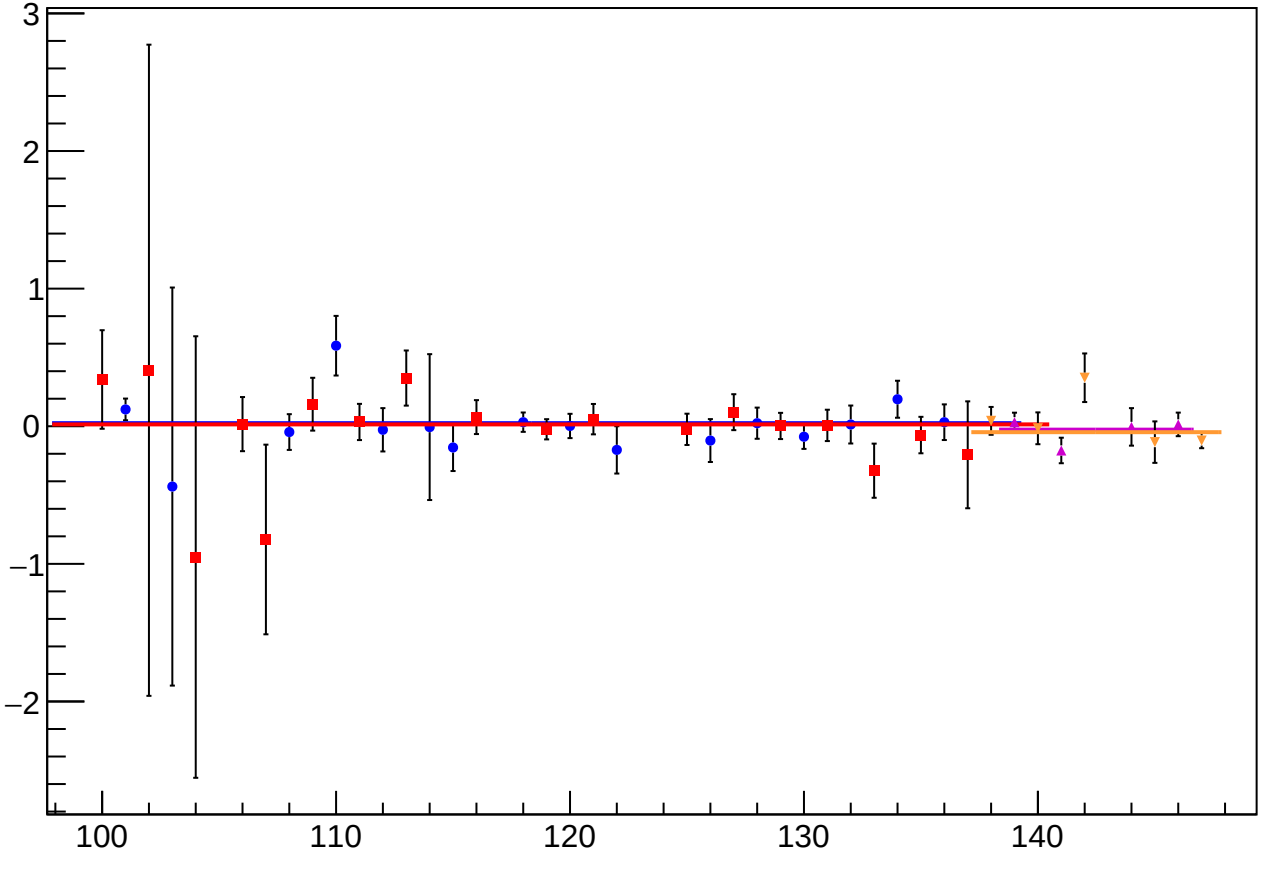
Left In: 0.000+/-0.000 χ^2/NDF:134045.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3172187.1/21

All: 0.000+/-0.000 χ^2/NDF: 5518693.8/44

- sign 0.000+/-0.000 χ^2/NDF: 1996921.5/22

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

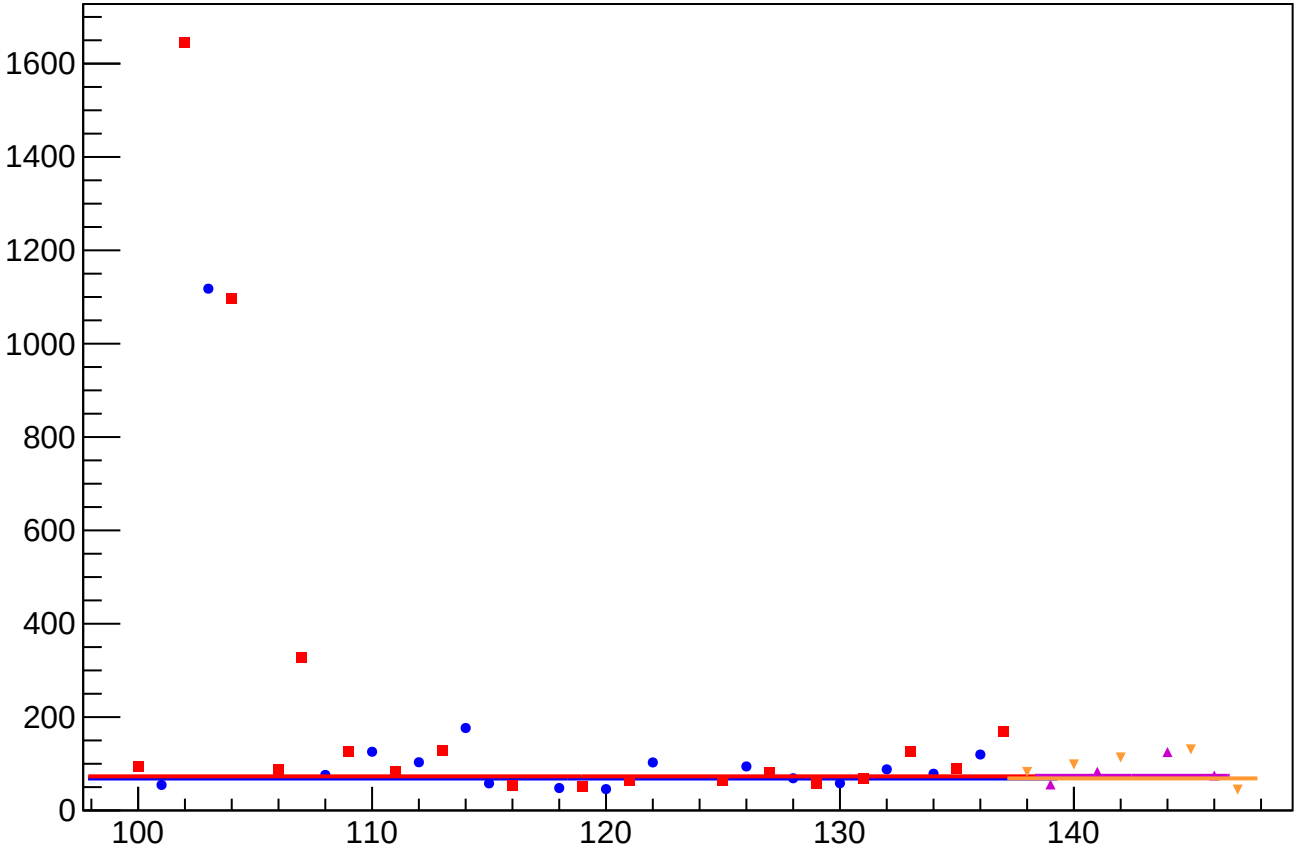
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: -0.000+/-0.018 χ^2/NDF: 38.4/42

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

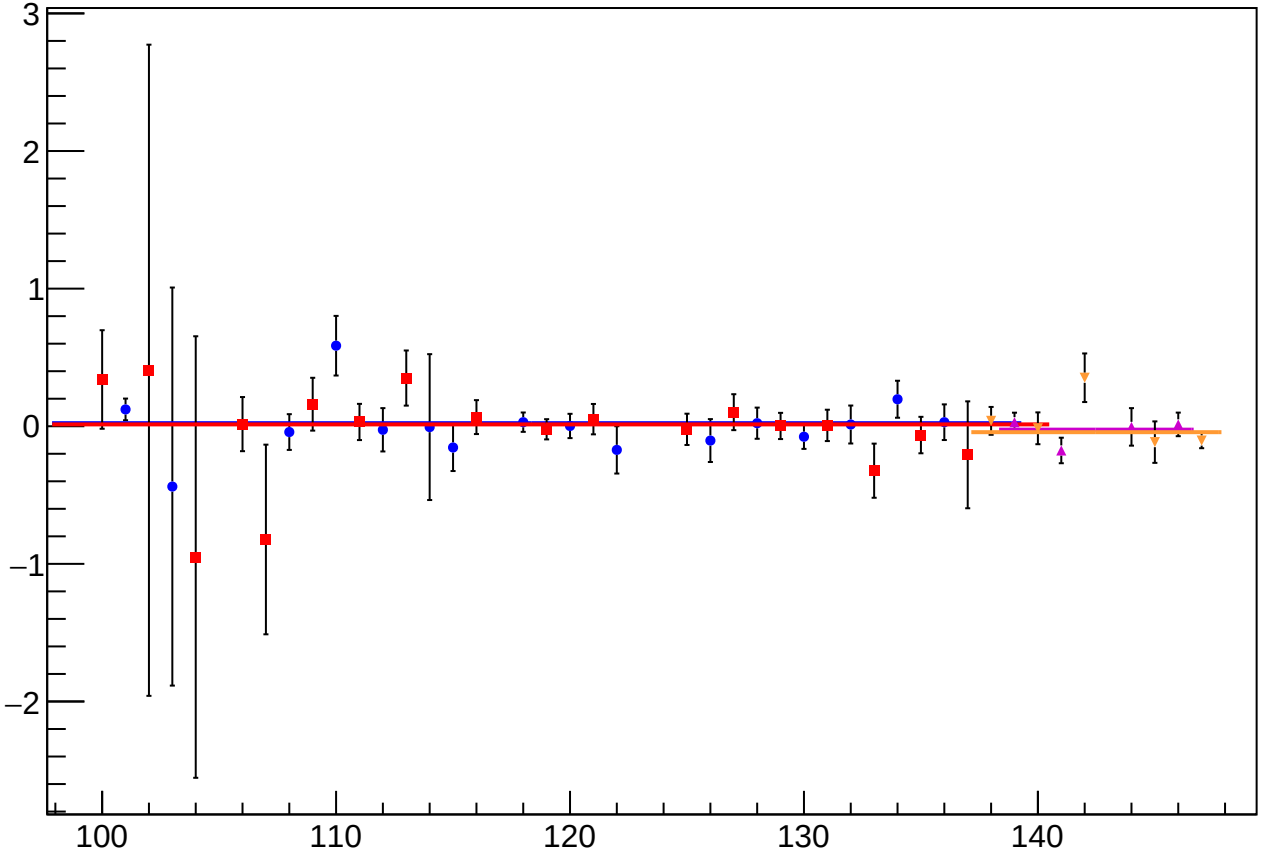
Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

+ sign 68.513+/-0.017 χ^2/NDF: 3290338.2/20

All: 70.794+/-0.013 χ^2/NDF: 6682063.9/42

- sign 73.504+/-0.019 χ^2/NDF: 3353656.1/21

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

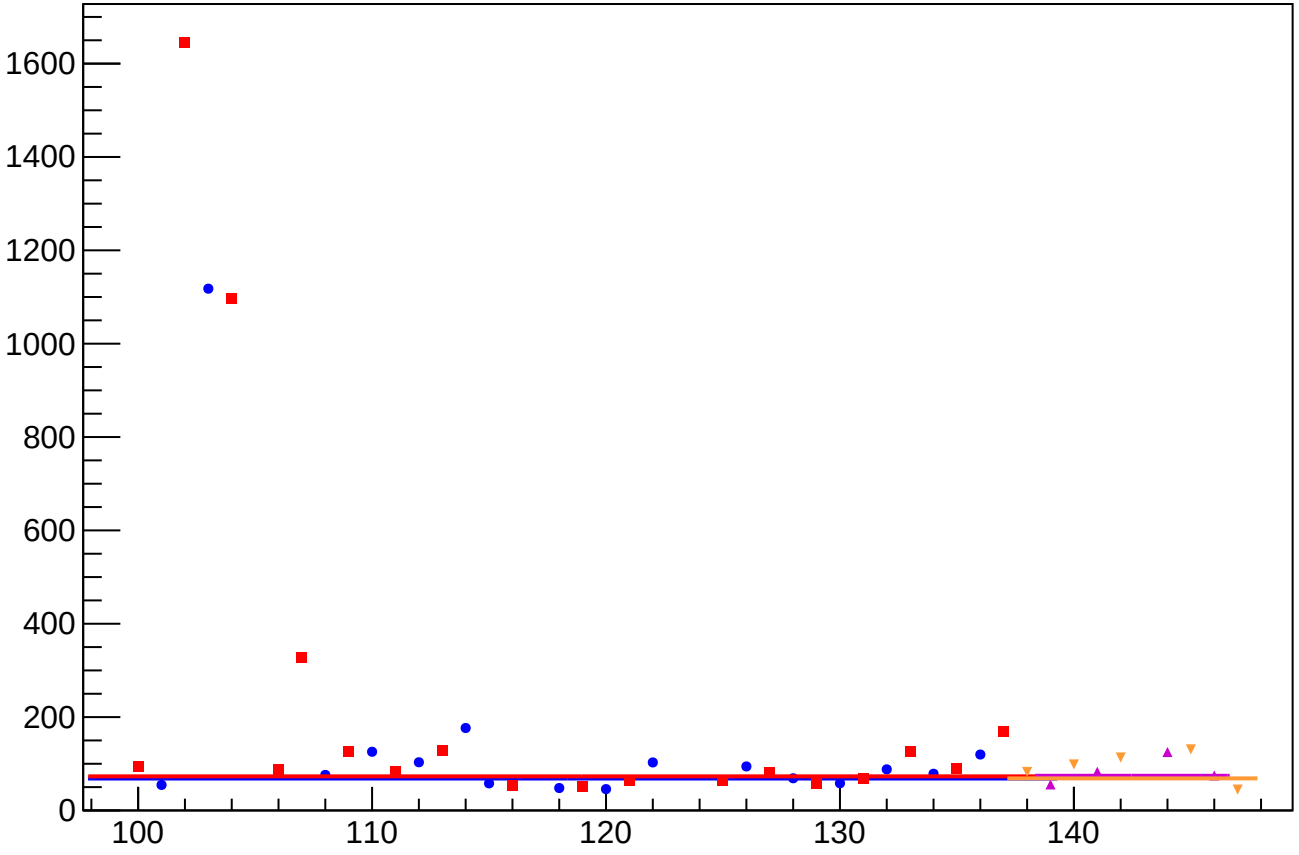
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: -0.000+/-0.018 χ^2/NDF: 38.4/42

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

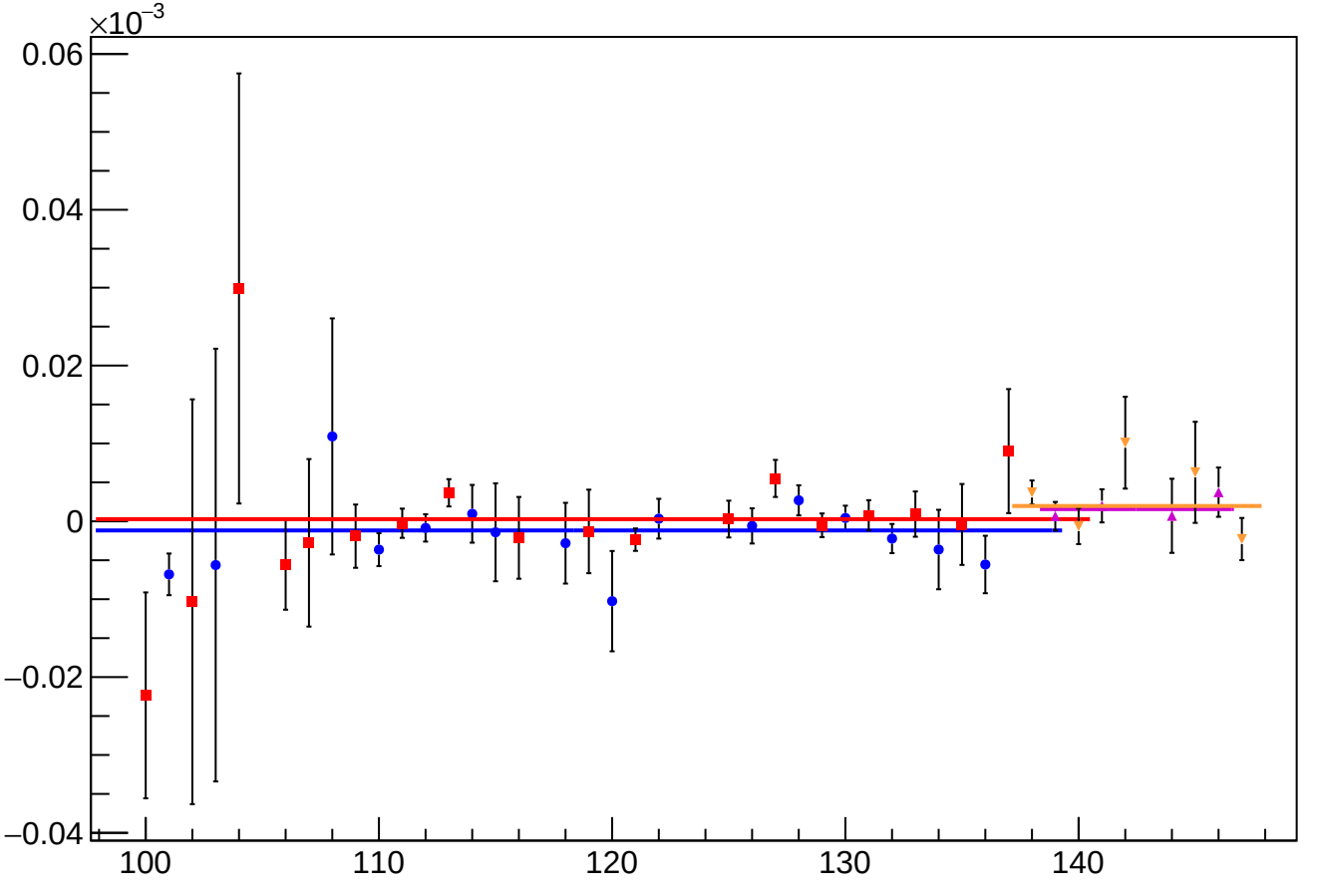
Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

+ sign 68.513+/-0.017 χ^2/NDF: 3290338.2/20

All: 70.794+/-0.013 χ^2/NDF: 6682063.9/42

- sign 73.504+/-0.019 χ^2/NDF: 3353656.1/21

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:7.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

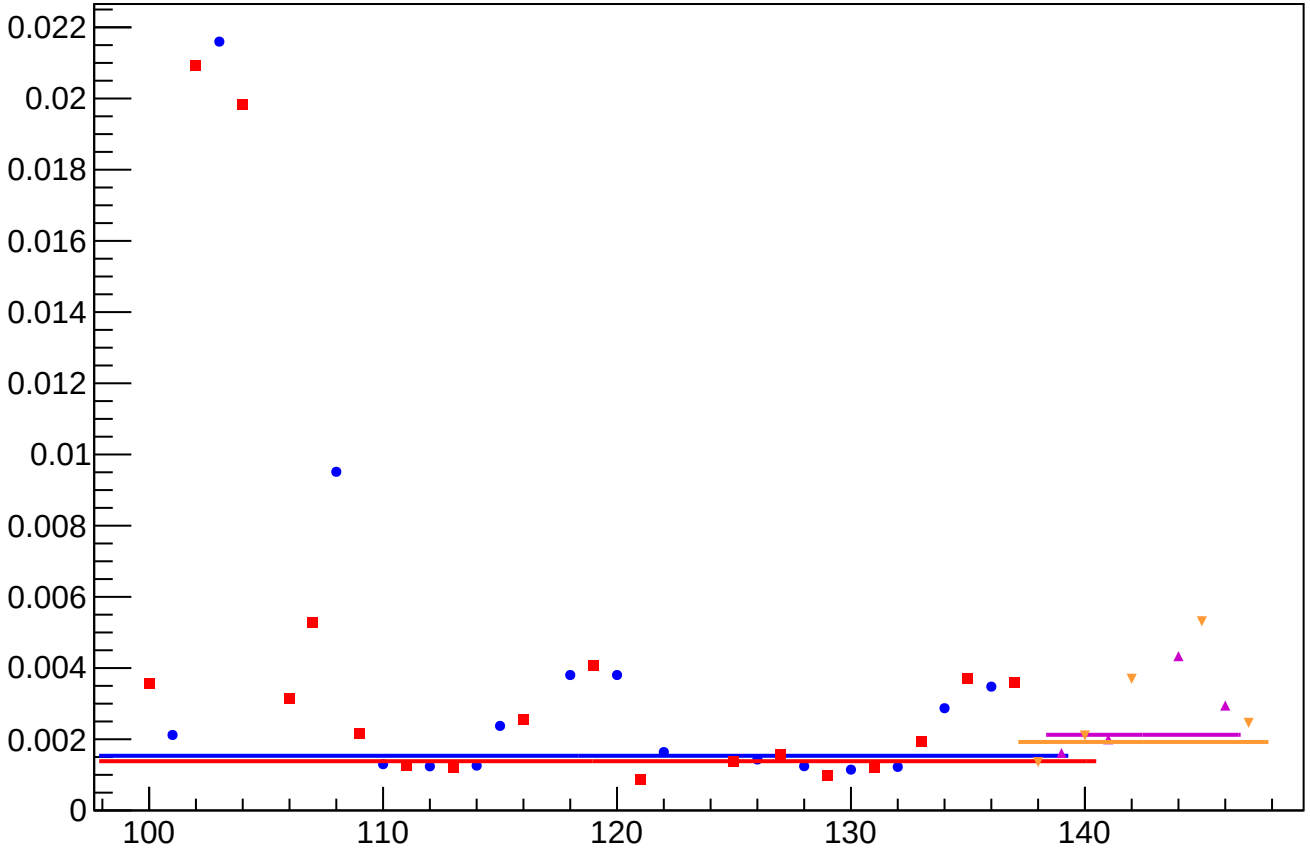
Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/20

All: 0.000+/-0.000 χ^2/NDF: 51.9/42

- sign 0.000+/-0.000 χ^2/NDF: 21.2/21

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:1088777.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

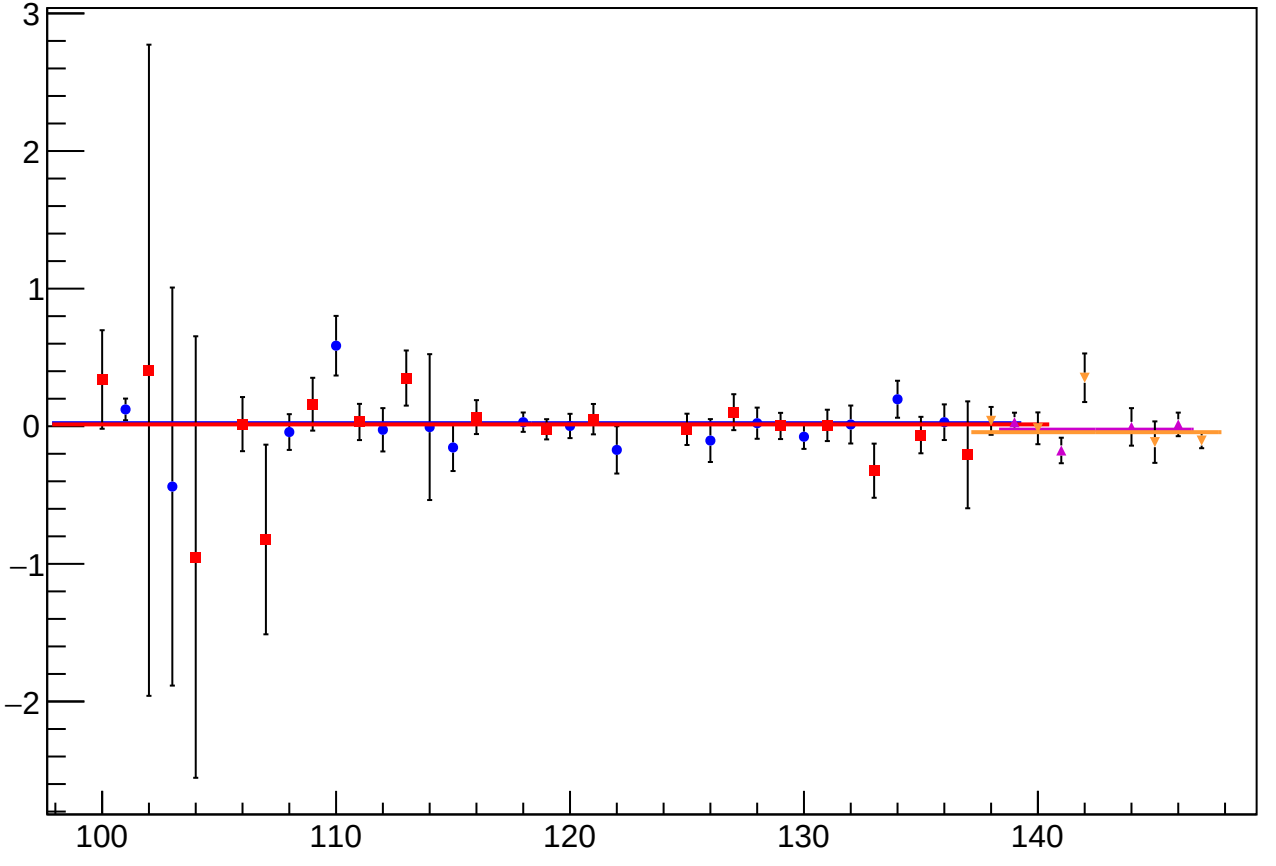
Left In: 0.002+/-0.000 χ^2/NDF:728391.1/3

+ sign 0.002+/-0.000 χ^2/NDF: 4640788.3/20

All: 0.002+/-0.000 χ^2/NDF: 10243080.3/42

- sign 0.002+/-0.000 χ^2/NDF: 5572529.6/21

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

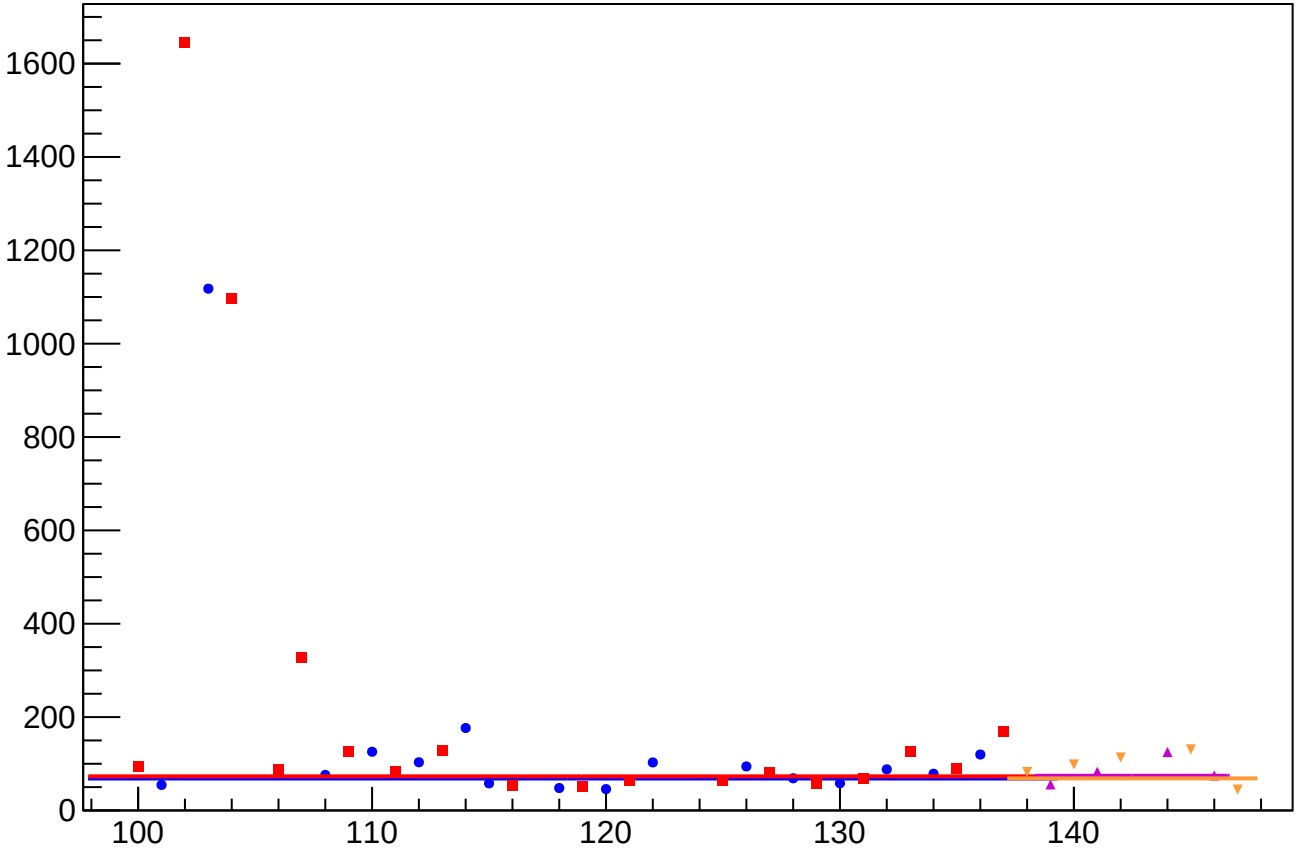
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: -0.000+/-0.018 χ^2/NDF: 38.4/42

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

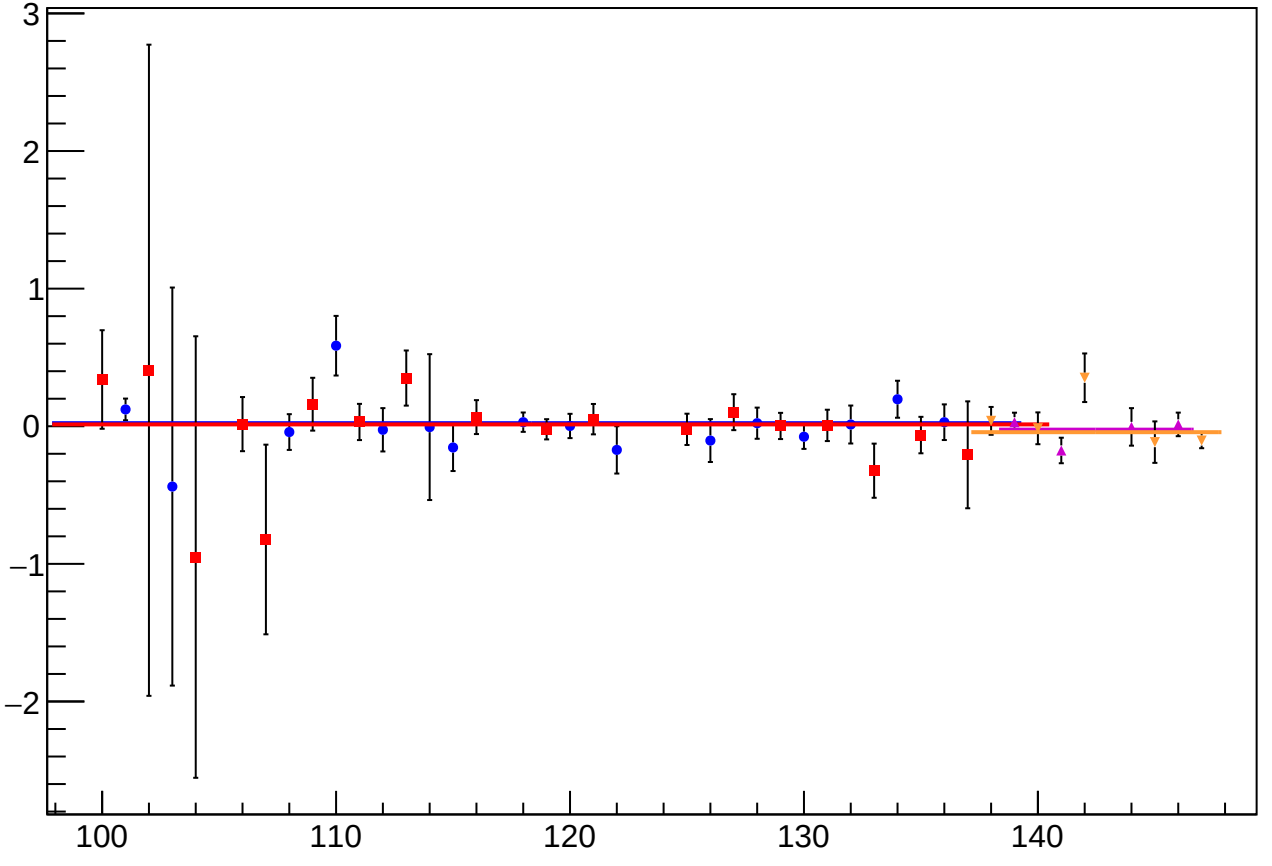
Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

+ sign 68.513+/-0.017 χ^2/NDF: 3290303.9/20

All: 70.794+/-0.013 χ^2/NDF: 6682036.1/42

- sign 73.504+/-0.019 χ^2/NDF: 3353670.1/21

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: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

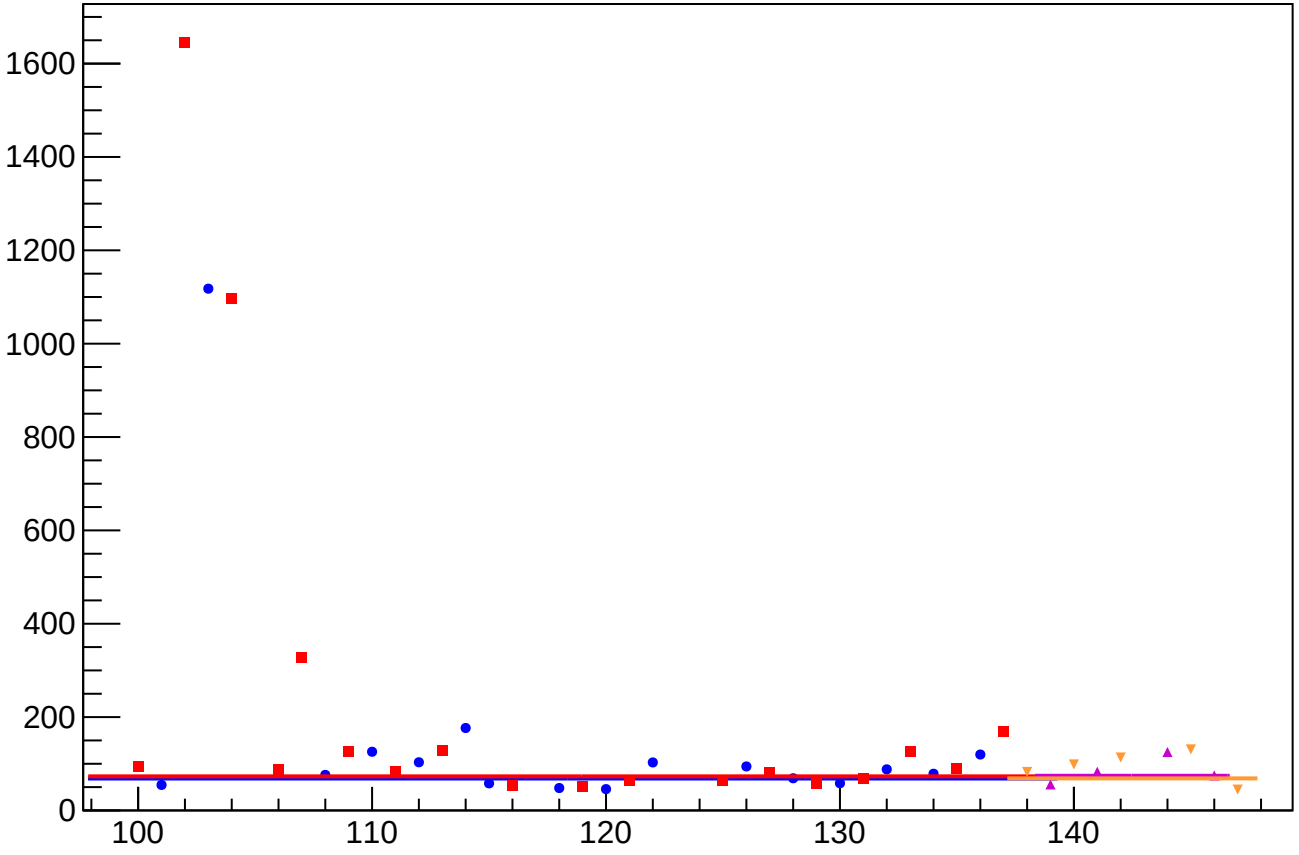
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: -0.000+/-0.018 χ^2/NDF: 38.4/42

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

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: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

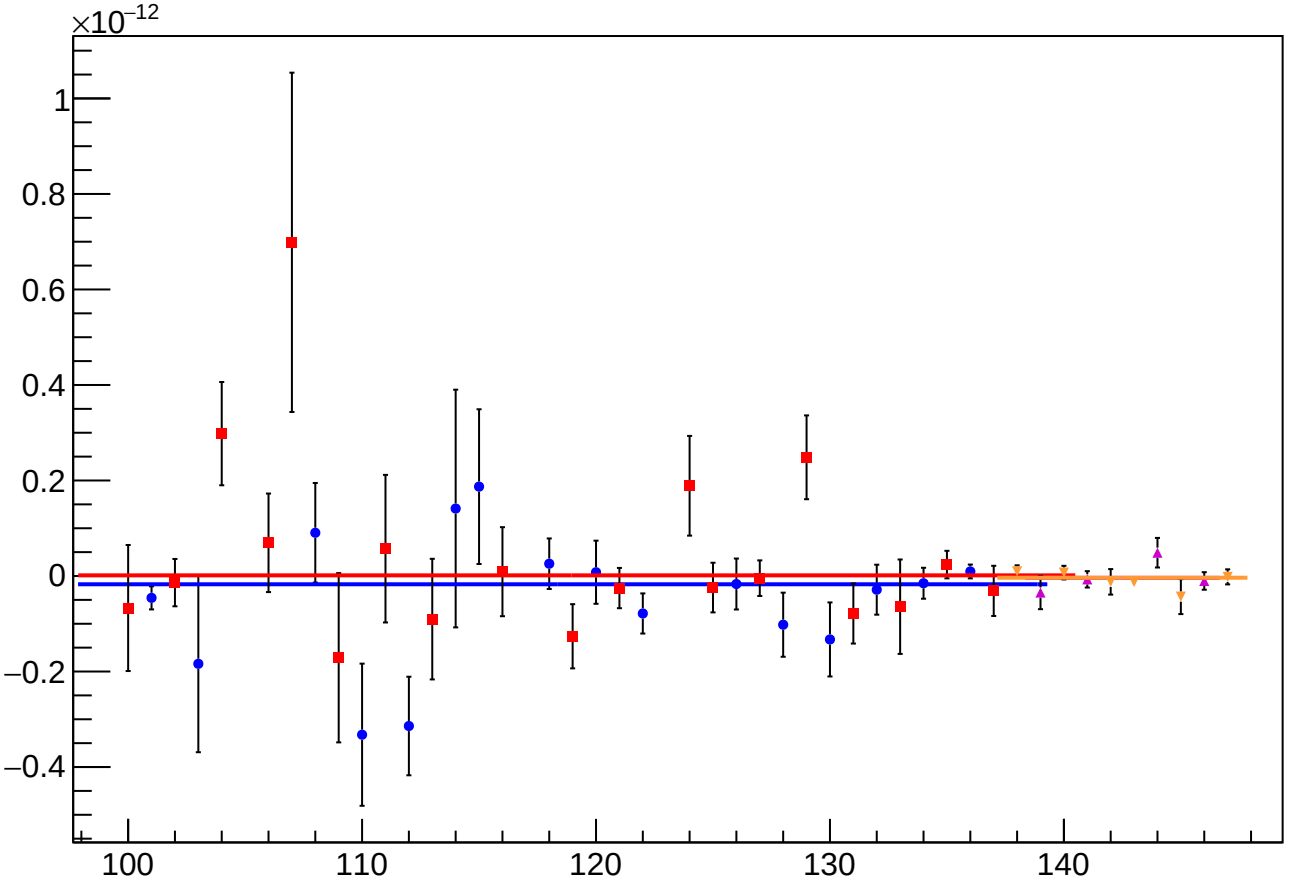
Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

+ sign 68.513+/-0.017 χ^2/NDF: 3290303.9/20

All: 70.794+/-0.013 χ^2/NDF: 6682036.1/42

- sign 73.504+/-0.019 χ^2/NDF: 3353670.1/21

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:3.9/5

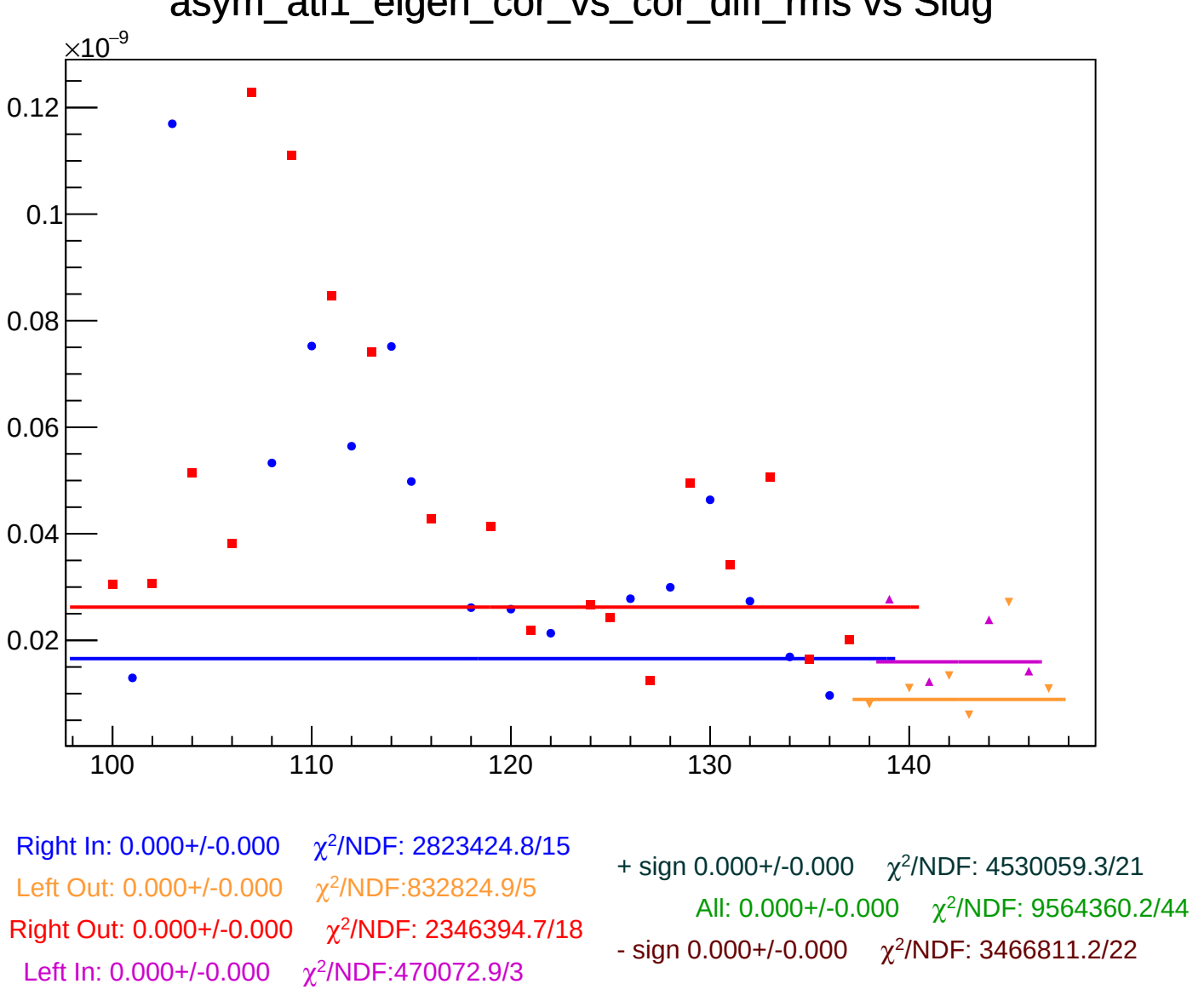
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

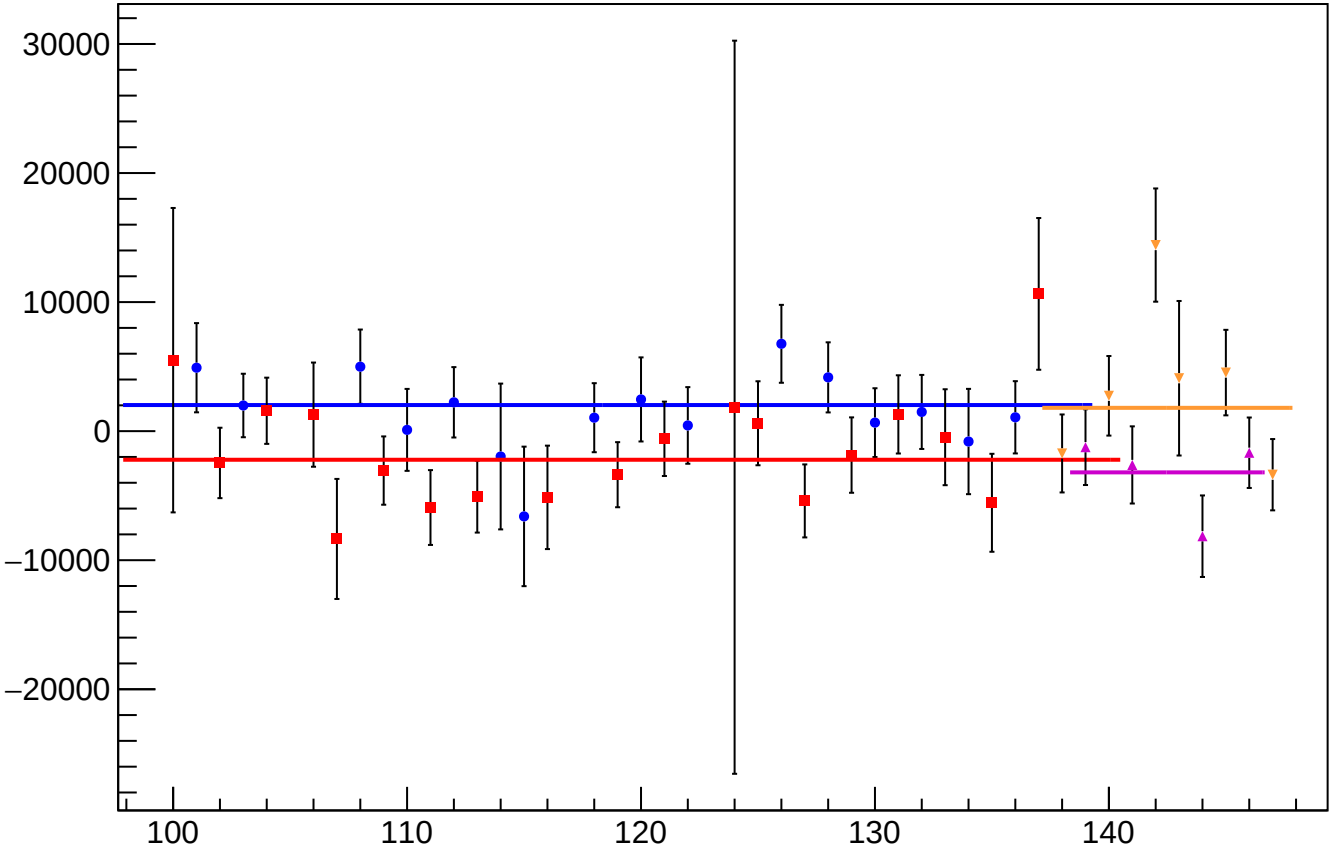
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/21

All: -0.000+/-0.000 χ^2/NDF: 70.1/44

- sign -0.000+/-0.000 χ^2/NDF: 36.2/22


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
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:832824.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:470072.9/3
+ sign 0.000+/-0.000 χ²/NDF: 4530059.3/21
All: 0.000+/-0.000 χ²/NDF: 9564360.2/44
- sign 0.000+/-0.000 χ²/NDF: 3466811.2/22

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1805.992+/-1391.116 χ^2/NDF:14.1/5

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

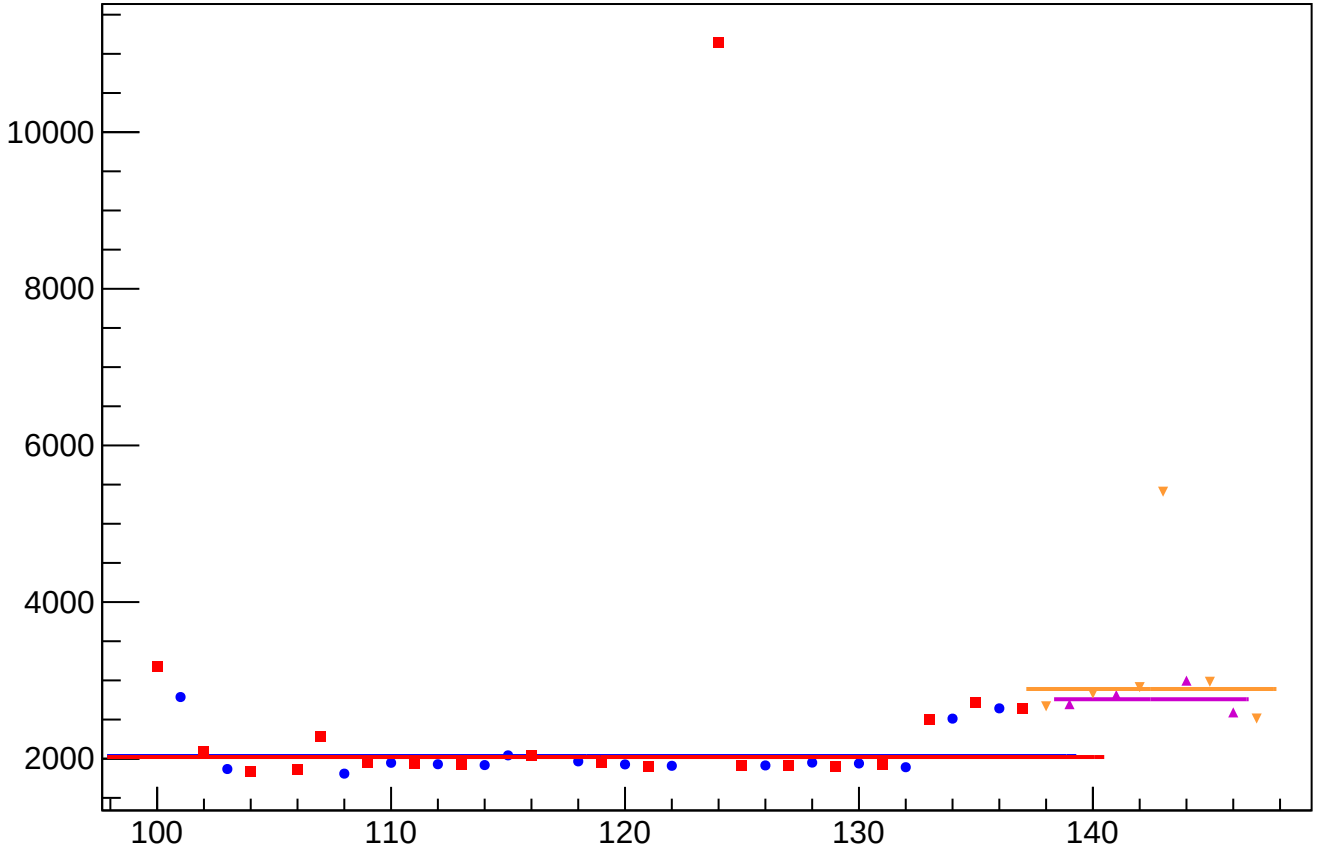
Left In: -3194.912+/-1470.622 χ^2/NDF:3.2/3

+ sign 1972.439+/-669.895 χ^2/NDF: 23.7/21

All: -216.227+/-474.591 χ^2/NDF: 66.8/44

- sign -2421.676+/-672.459 χ^2/NDF: 21.7/22

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

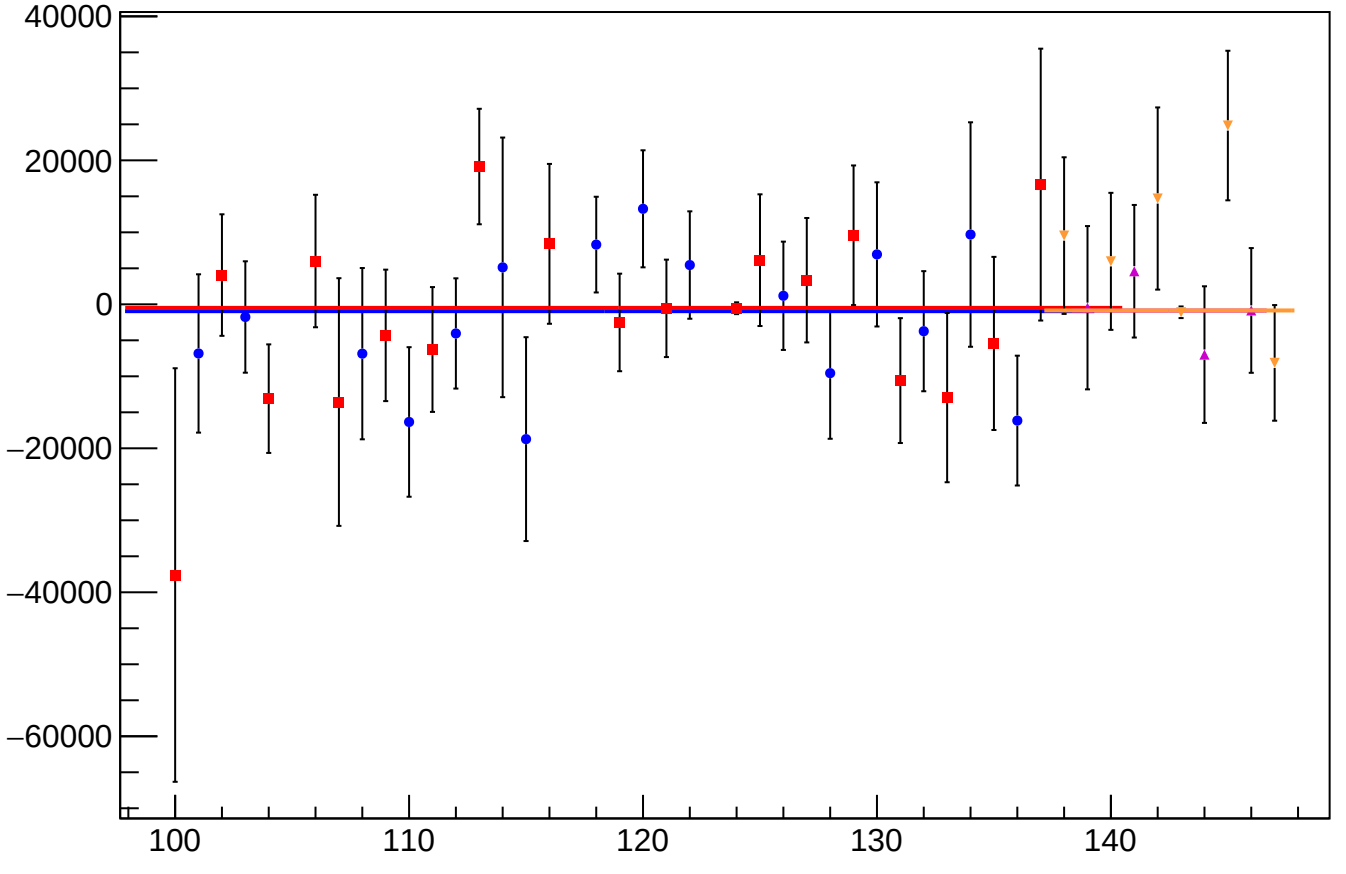
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.8/21

All: 2204.358+/-0.336 χ^2/NDF: 2065228.7/44

- sign 2175.821+/-0.476 χ^2/NDF: 808930.9/22

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -852.192+/-794.191 χ^2/NDF:10.0/5

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

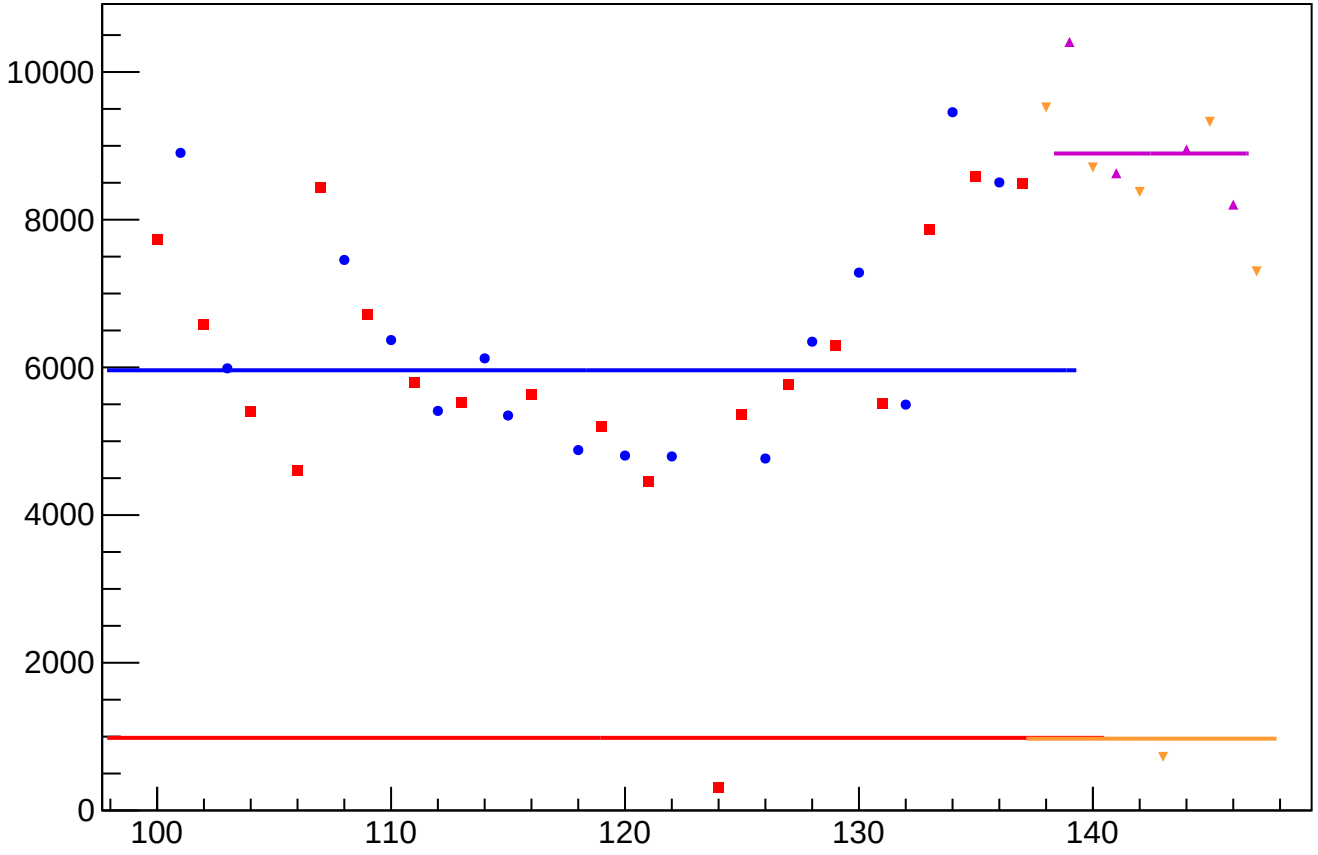
Left In: -871.797+/-4767.472 χ^2/NDF:0.8/3

+ sign -862.844+/-749.941 χ^2/NDF: 25.3/21

All: -686.854+/-533.289 χ^2/NDF: 44.6/44

- sign -506.824+/-758.501 χ^2/NDF: 19.2/22

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 972.128+/-0.562 χ^2/NDF:5962851.6/5

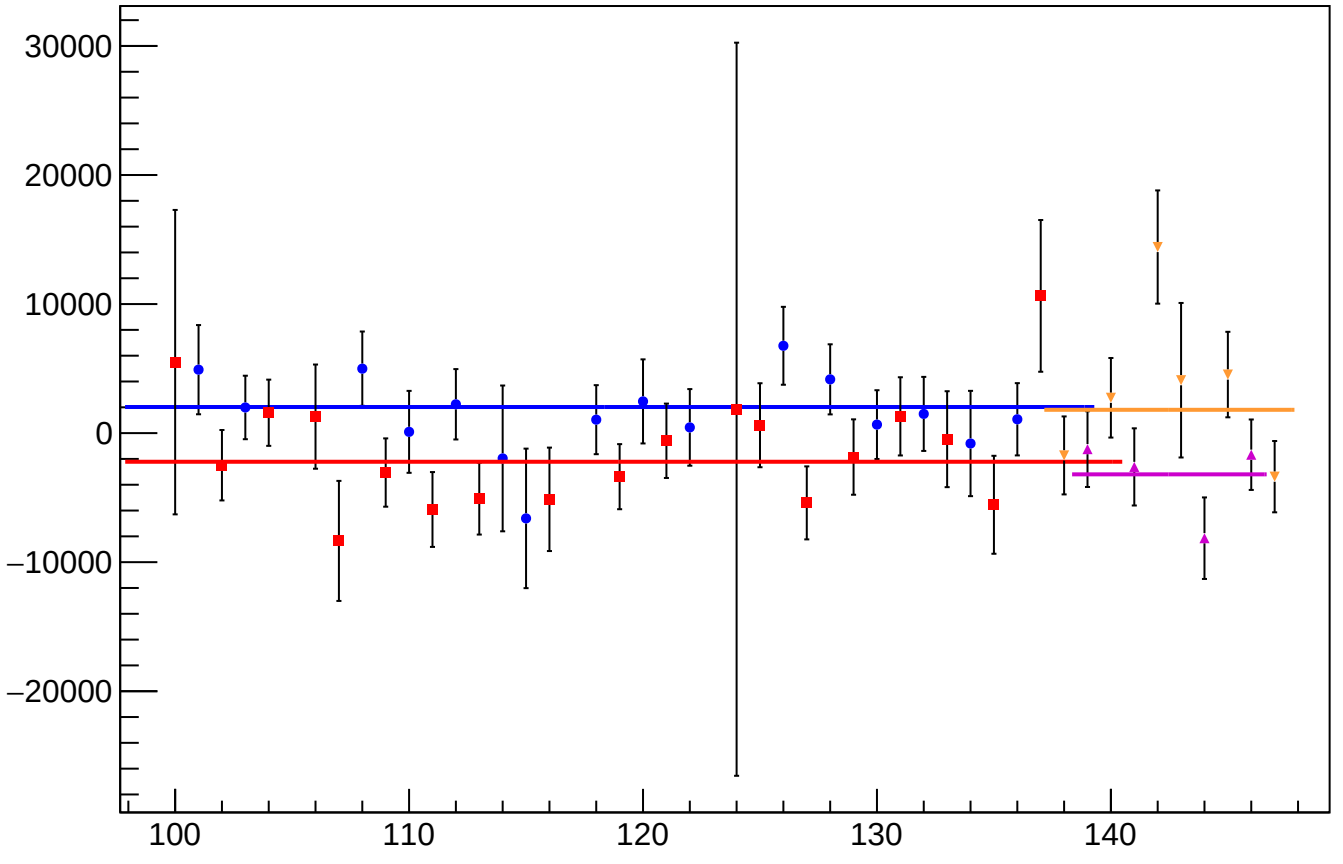
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8896.149+/-3.371 χ^2/NDF:50009.5/3

+ sign 1512.545+/-0.530 χ^2/NDF: 15200714.3/21

All: 1349.944+/-0.377 χ^2/NDF: 32227721.3/4

- sign 1183.610+/-0.536 χ^2/NDF: 16836807.4/22



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

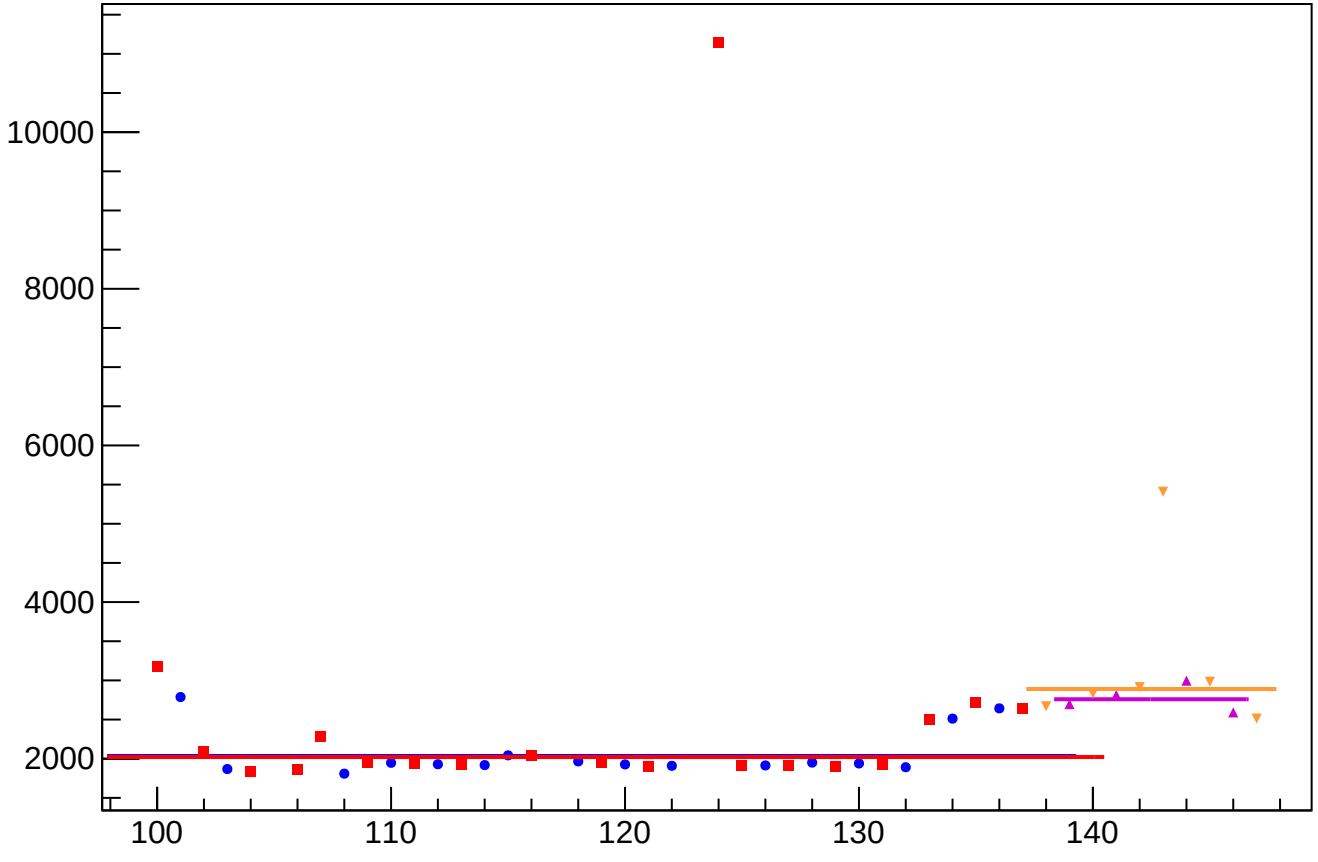
Left In: -3195.013+/-1470.622 χ^2/NDF:3.2/3

+ sign 1972.616+/-669.896 χ^2/NDF: 23.7/21

All: -216.857+/-474.593 χ^2/NDF: 66.9/44

- sign -2423.155+/-672.464 χ^2/NDF: 21.7/22

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

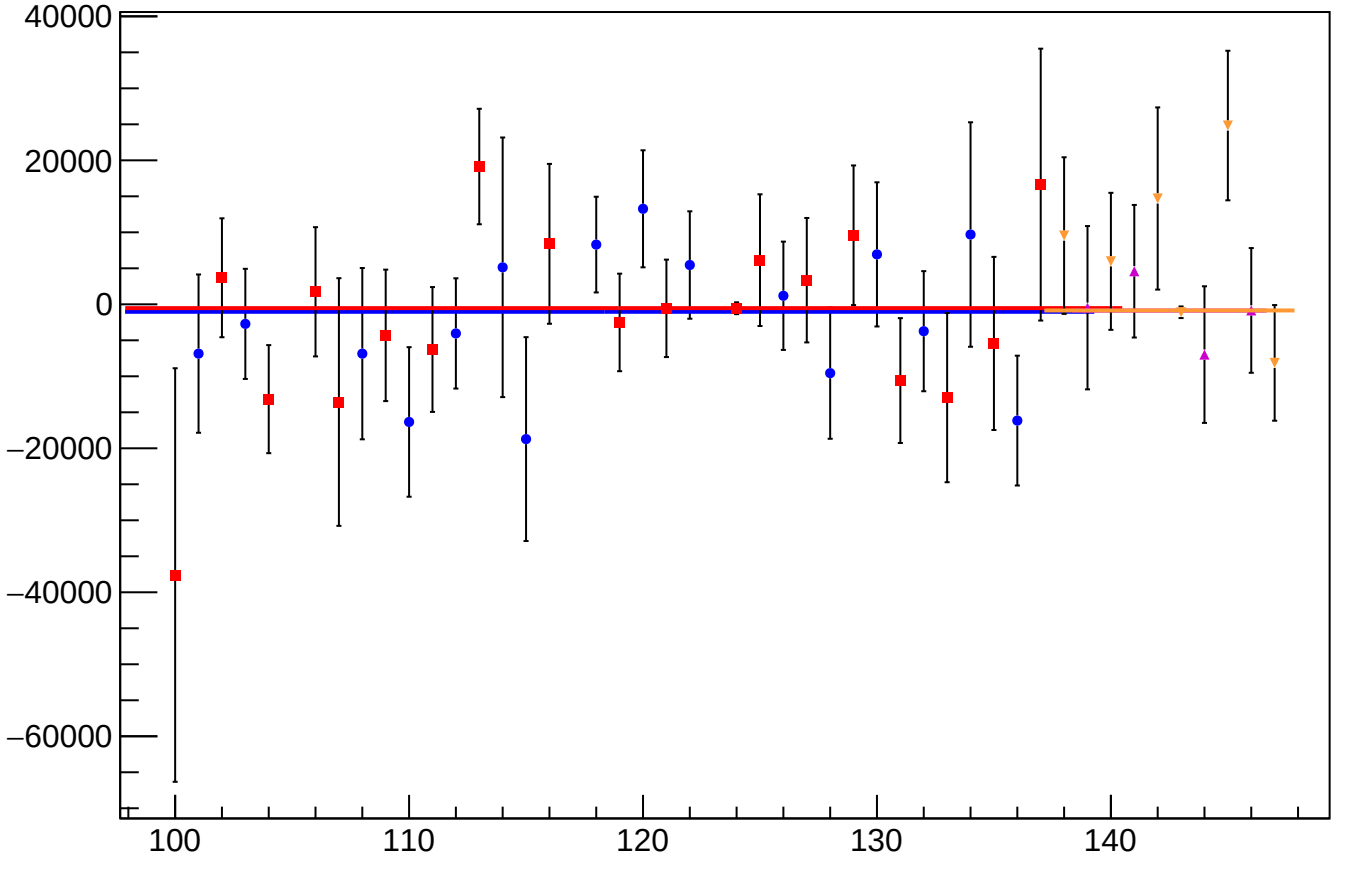
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.9/21

All: 2204.368+/-0.336 χ^2/NDF: 2065210.5/44

- sign 2175.840+/-0.476 χ^2/NDF: 808917.7/22

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -851.980+/-794.116 χ^2/NDF:10.0/5

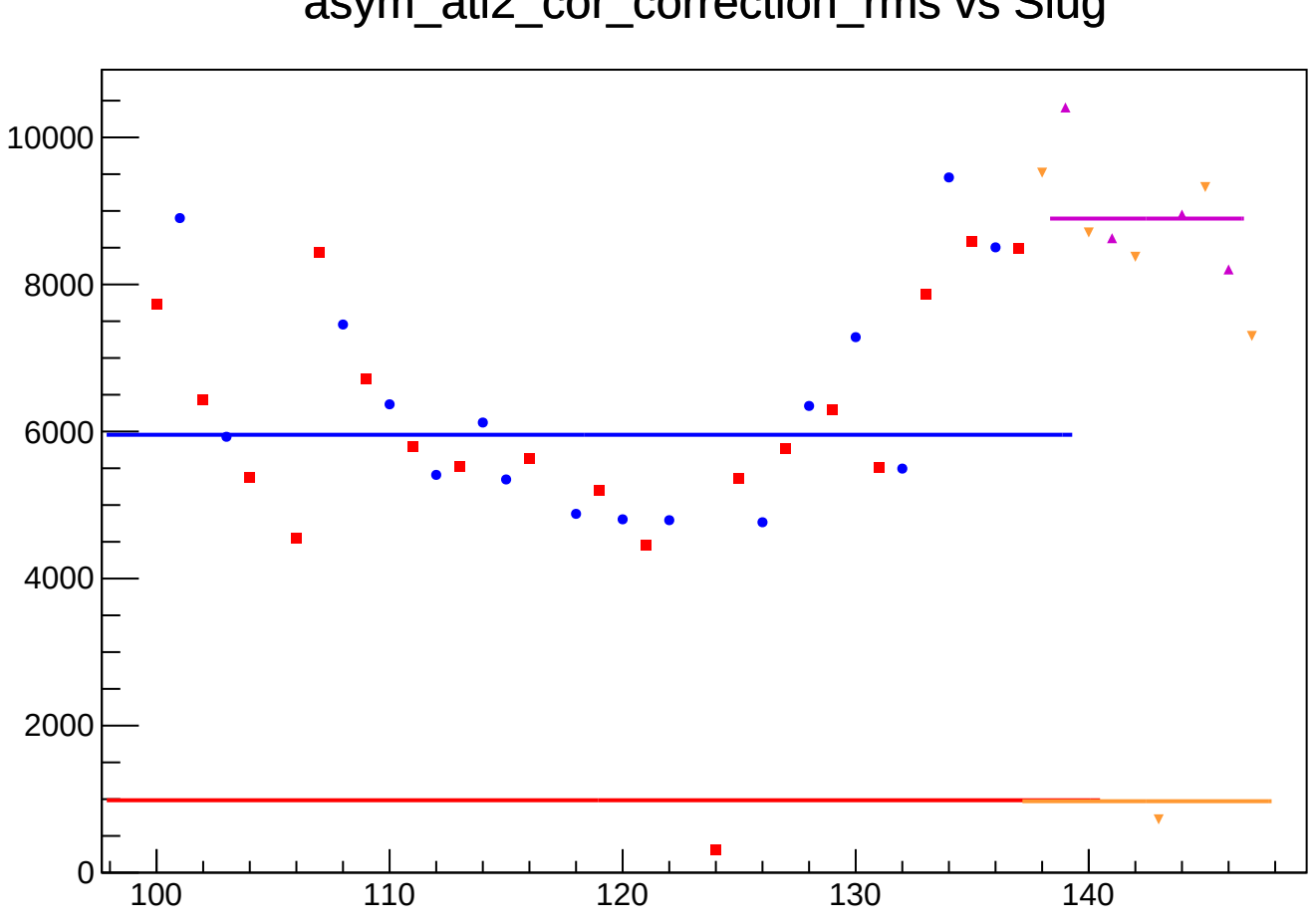
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -871.806+/-4767.466 χ^2/NDF:0.8/3

+ sign -872.158+/-749.794 χ^2/NDF: 25.4/21

All: -707.574+/-533.123 χ^2/NDF: 44.3/44

- sign -539.290+/-758.174 χ^2/NDF: 18.8/22



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 972.015+/-0.562 χ^2/NDF:5962992.7/5

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

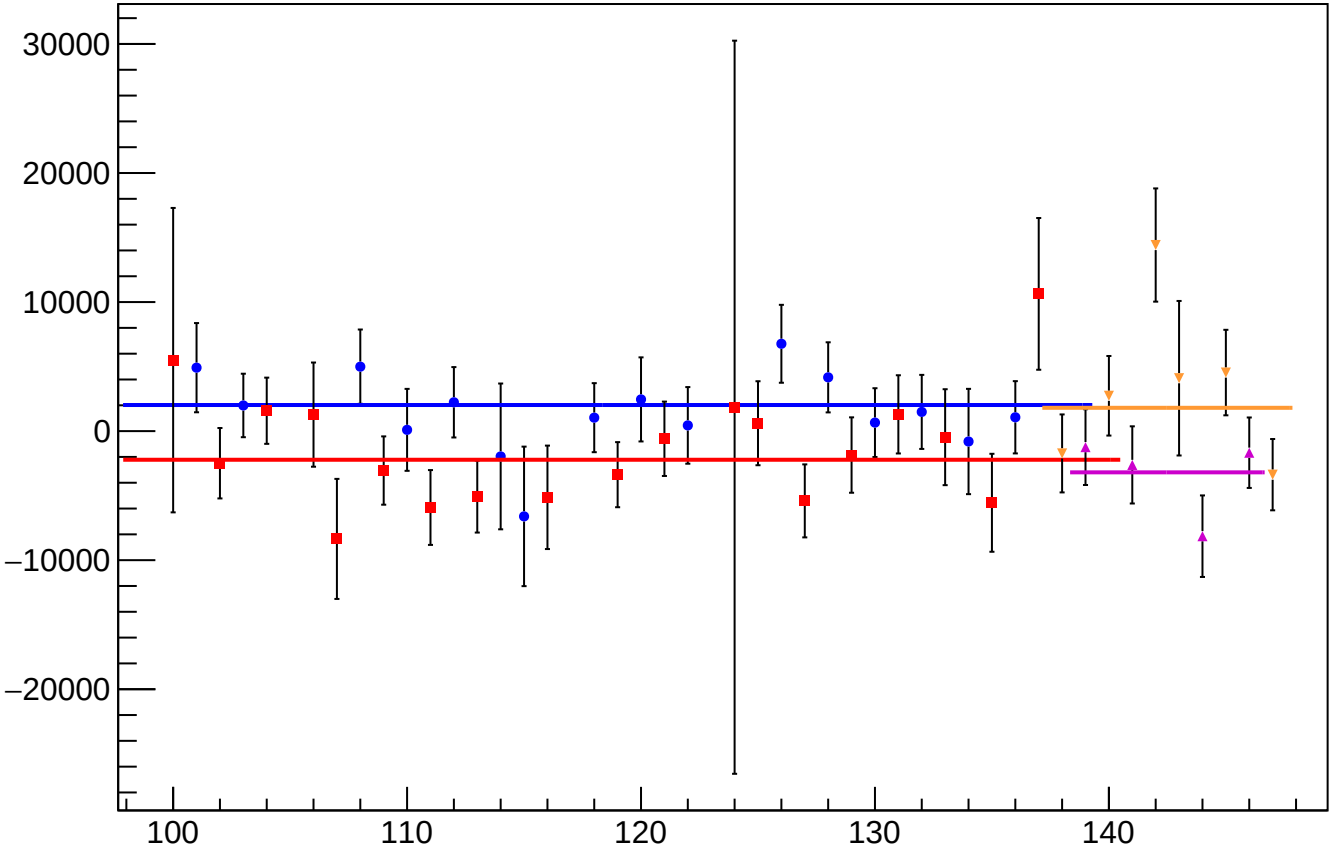
Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

+ sign 1512.790+/-0.530 χ^2/NDF: 15199323.4/21

All: 1350.777+/-0.377 χ^2/NDF: 32218911.4/4

- sign 1185.122+/-0.536 χ^2/NDF: 16830733.0/22

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

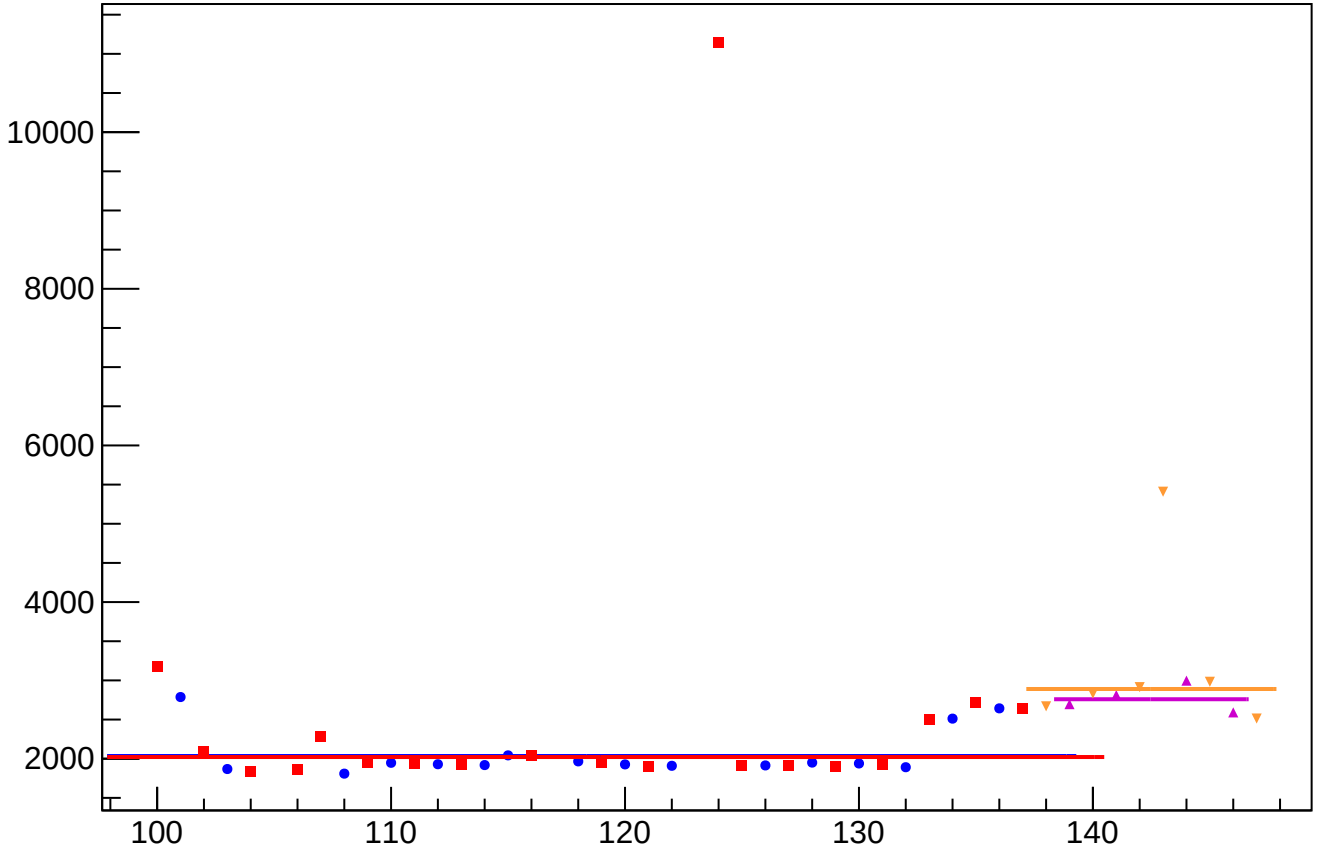
Left In: -3195.013+/-1470.622 χ^2/NDF:3.2/3

+ sign 1972.616+/-669.896 χ^2/NDF: 23.7/21

All: -216.857+/-474.593 χ^2/NDF: 66.9/44

- sign -2423.155+/-672.464 χ^2/NDF: 21.7/22

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

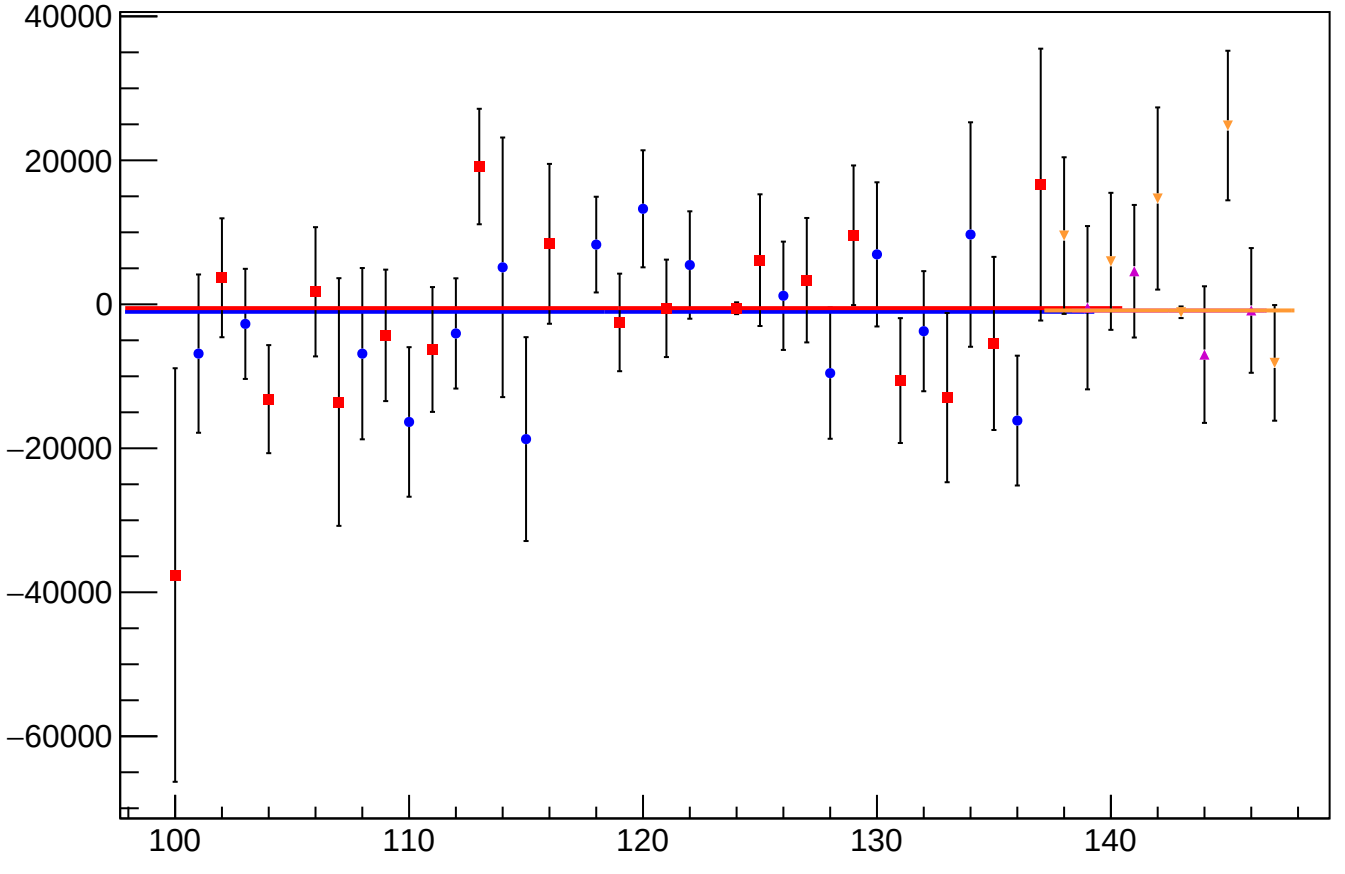
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.9/21

All: 2204.368+/-0.336 χ^2/NDF: 2065210.5/44

- sign 2175.840+/-0.476 χ^2/NDF: 808917.7/22

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -851.980+/-794.116 χ^2/NDF:10.0/5

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

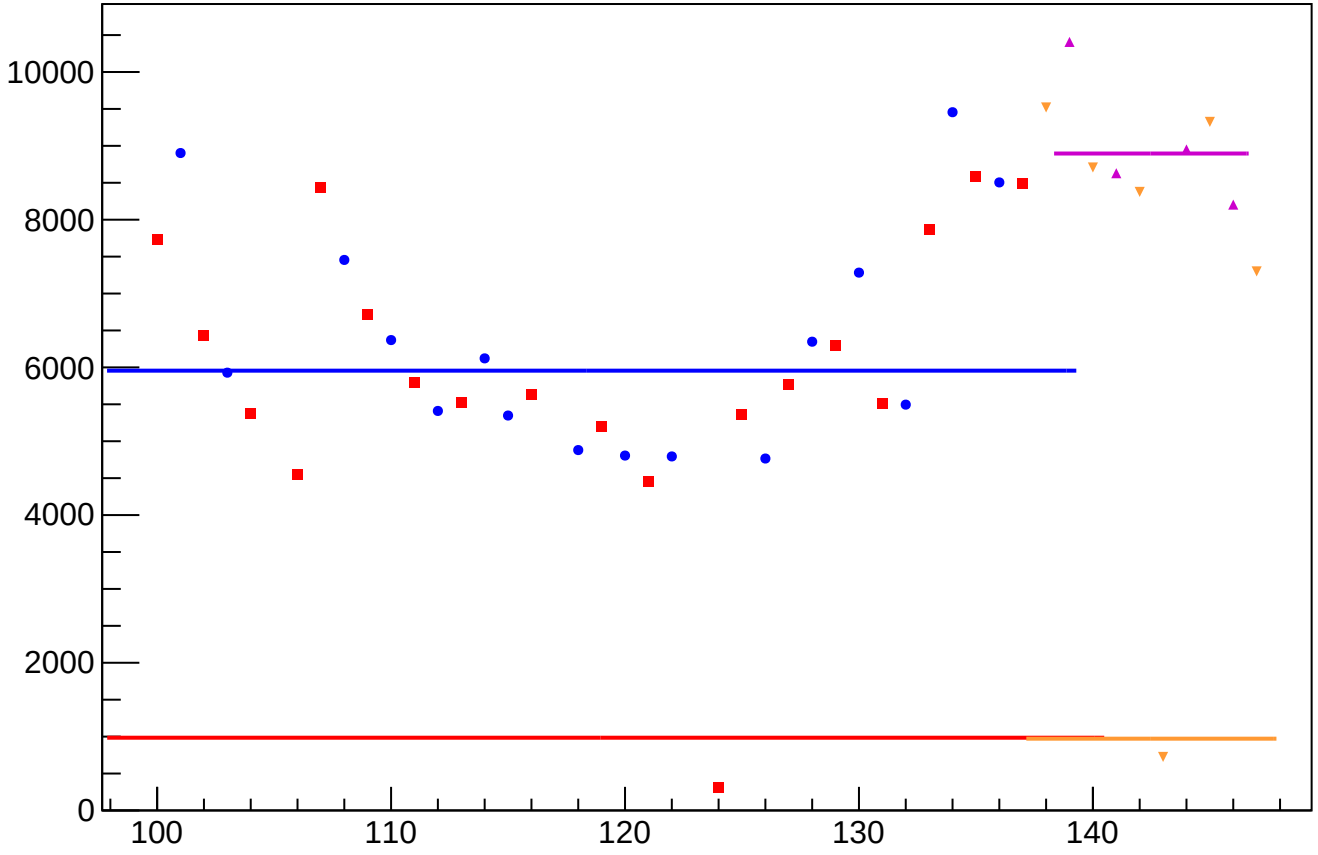
Left In: -871.806+/-4767.466 χ^2/NDF:0.8/3

+ sign -872.158+/-749.794 χ^2/NDF: 25.4/21

All: -707.574+/-533.123 χ^2/NDF: 44.3/44

- sign -539.290+/-758.174 χ^2/NDF: 18.8/22

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 972.015+/-0.562 χ^2/NDF:5962992.7/5

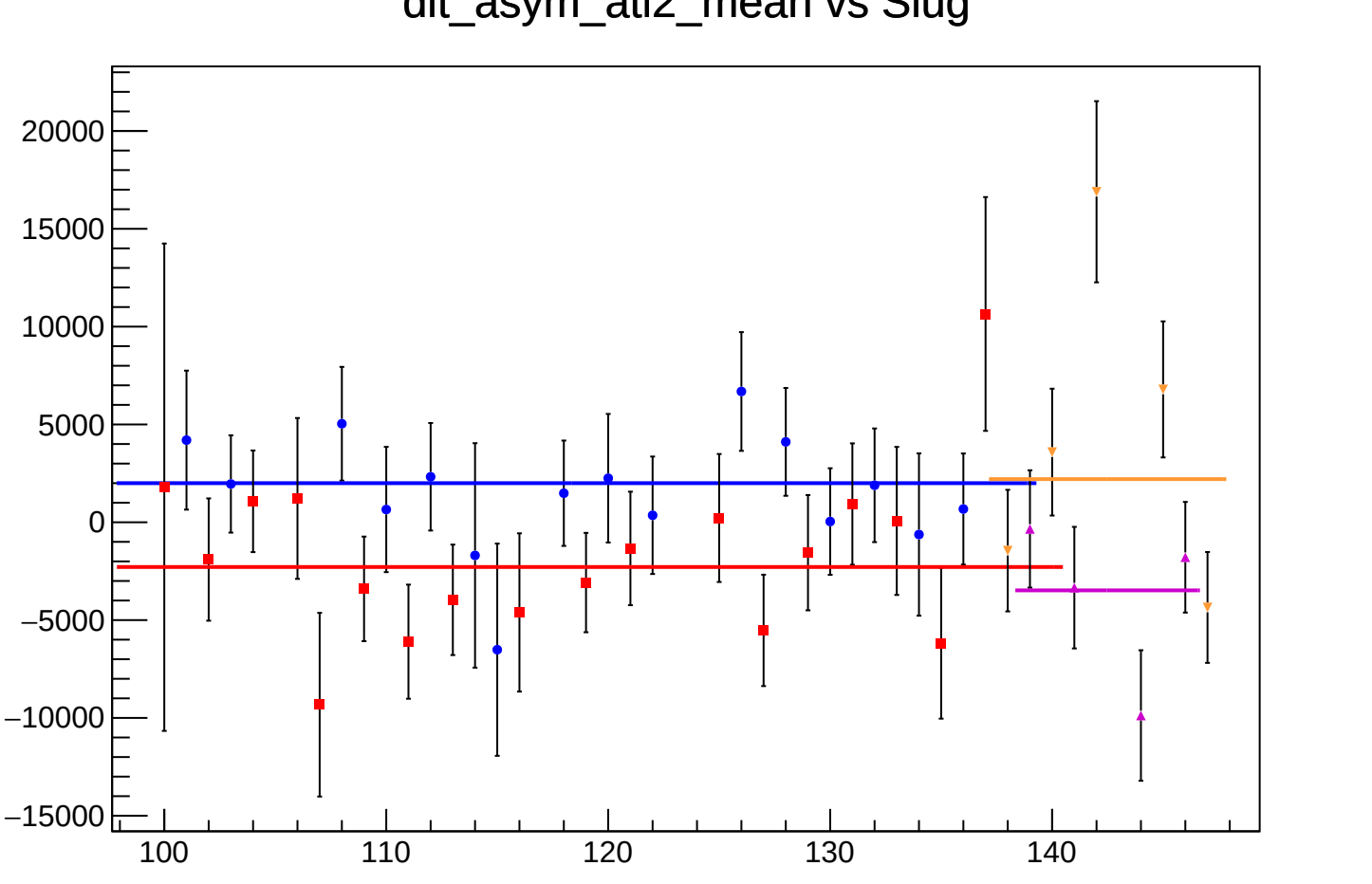
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

+ sign 1512.790+/-0.530 χ^2/NDF: 15199323.4/21

All: 1350.777+/-0.377 χ^2/NDF: 32218911.4/4

- sign 1185.122+/-0.536 χ^2/NDF: 16830733.0/22



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.373+/-1486.224 χ^2/NDF:18.7/4

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

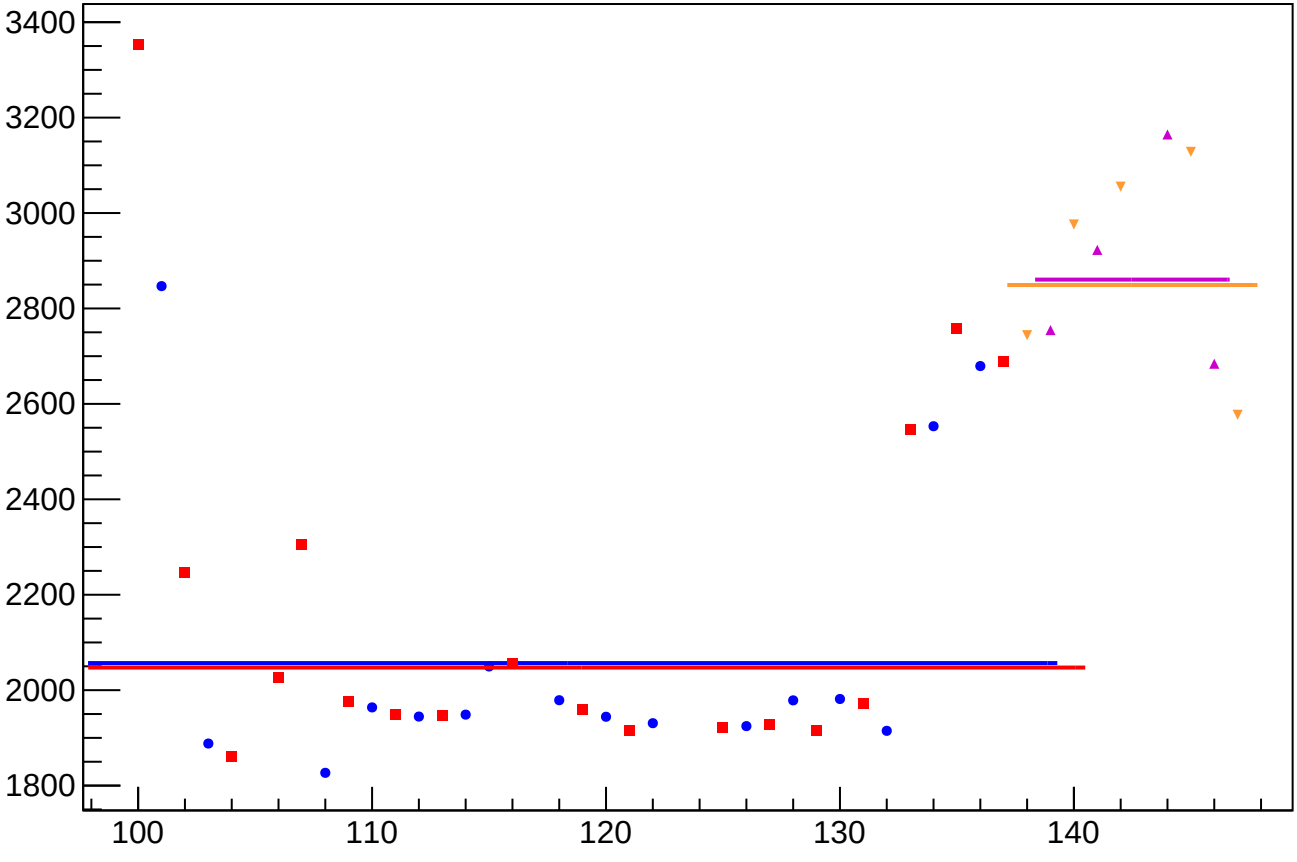
Left In: -3480.680+/-1525.624 χ^2/NDF:5.1/3

+ sign 2043.370+/-686.163 χ^2/NDF: 27.7/20

All: -235.657+/-485.956 χ^2/NDF: 72.2/42

- sign -2529.114+/-688.332 χ^2/NDF: 22.3/21

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.155+/-1.051 χ^2/NDF:40635.6/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

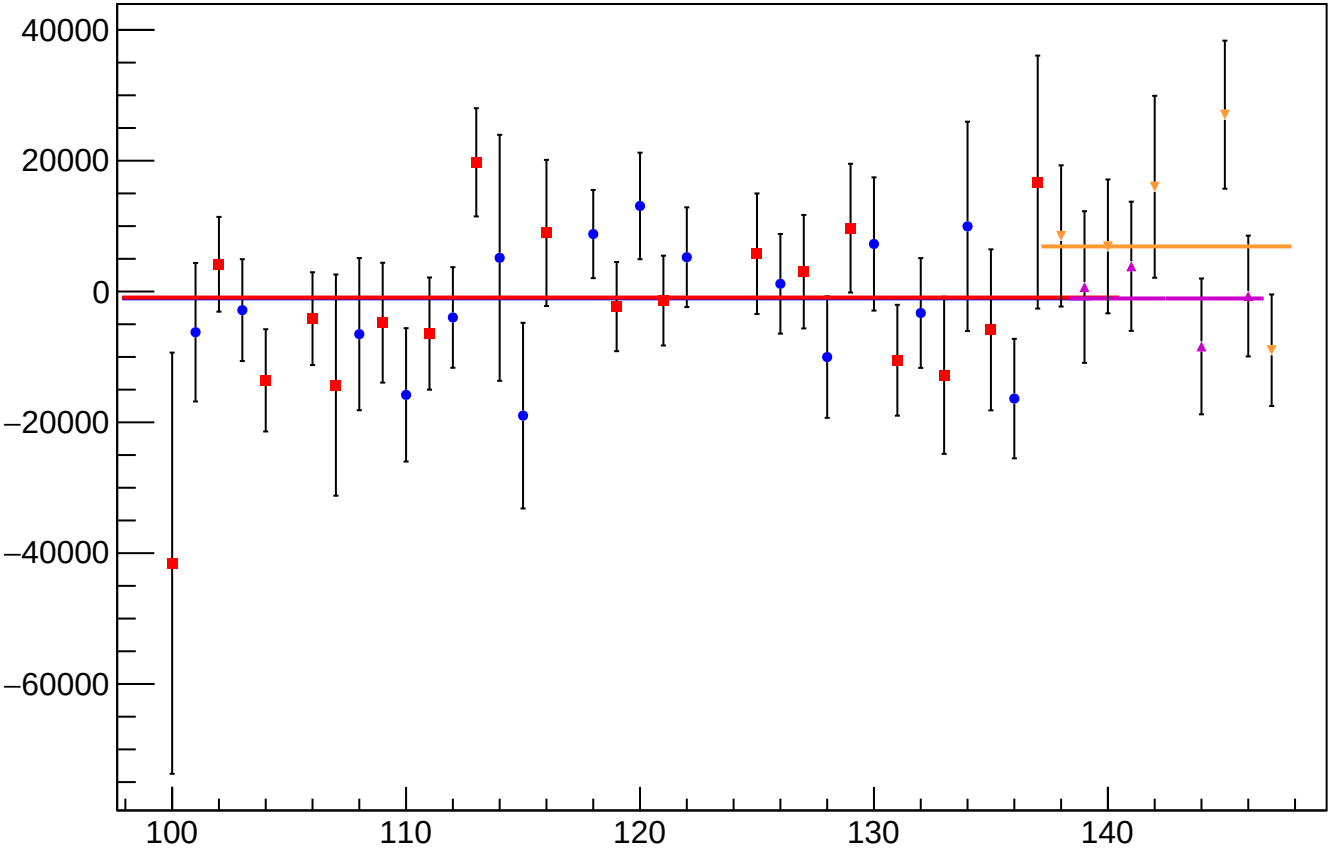
Left In: 2860.469+/-1.079 χ^2/NDF:27695.7/3

+ sign 2225.687+/-0.485 χ^2/NDF: 758388.4/20

All: 2219.113+/-0.343 χ^2/NDF: 1435671.3/42

- sign 2212.514+/-0.486 χ^2/NDF: 676915.0/21

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 6897.159+/-4721.974 χ^2/NDF:7.1/4

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

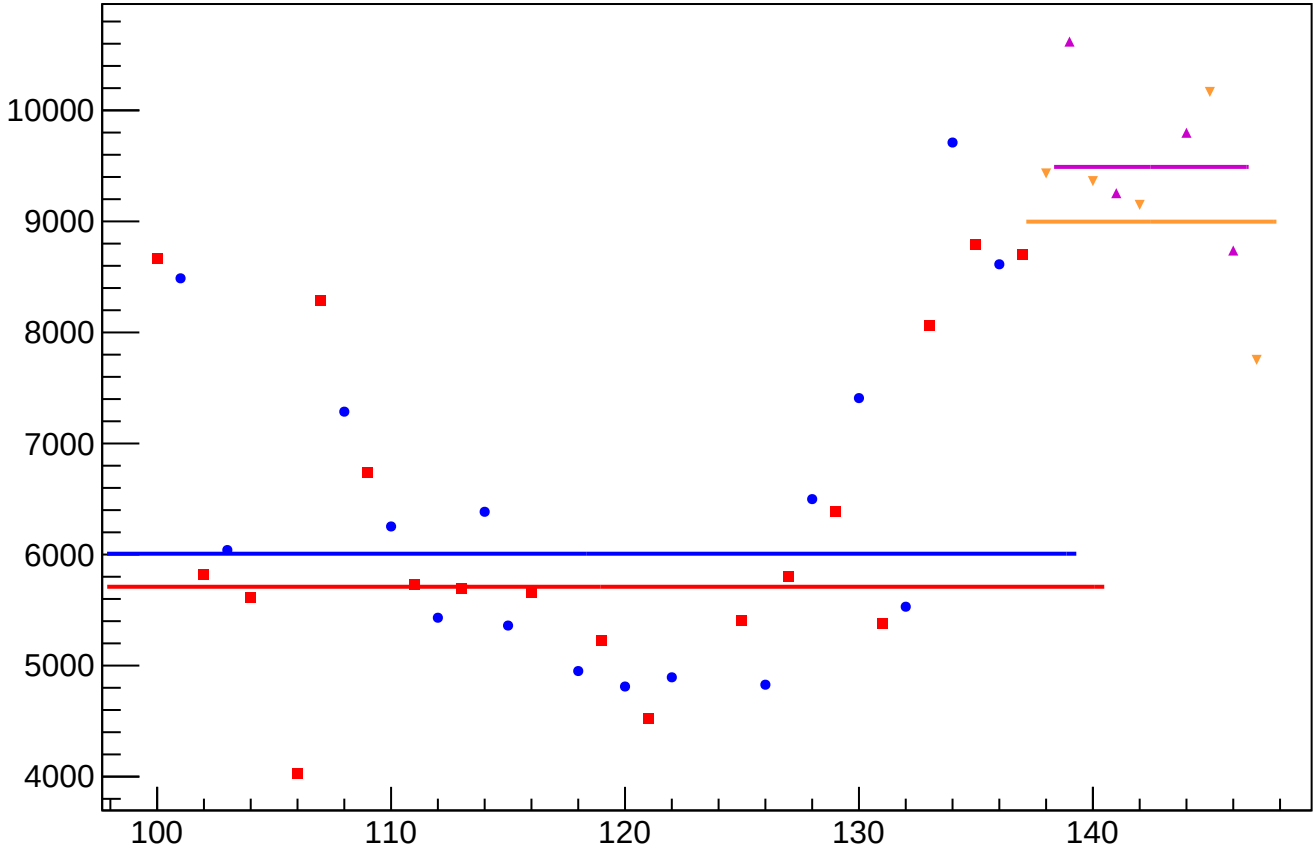
Left In: -1062.067+/-5083.115 χ^2/NDF:0.8/3

+ sign 474.202+/-2063.833 χ^2/NDF: 24.7/20

All: -262.570+/-1429.111 χ^2/NDF: 44.1/42

- sign -941.288+/-1980.855 χ^2/NDF: 19.1/21

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8997.632+/-3.339 χ^2/NDF:69910.2/4

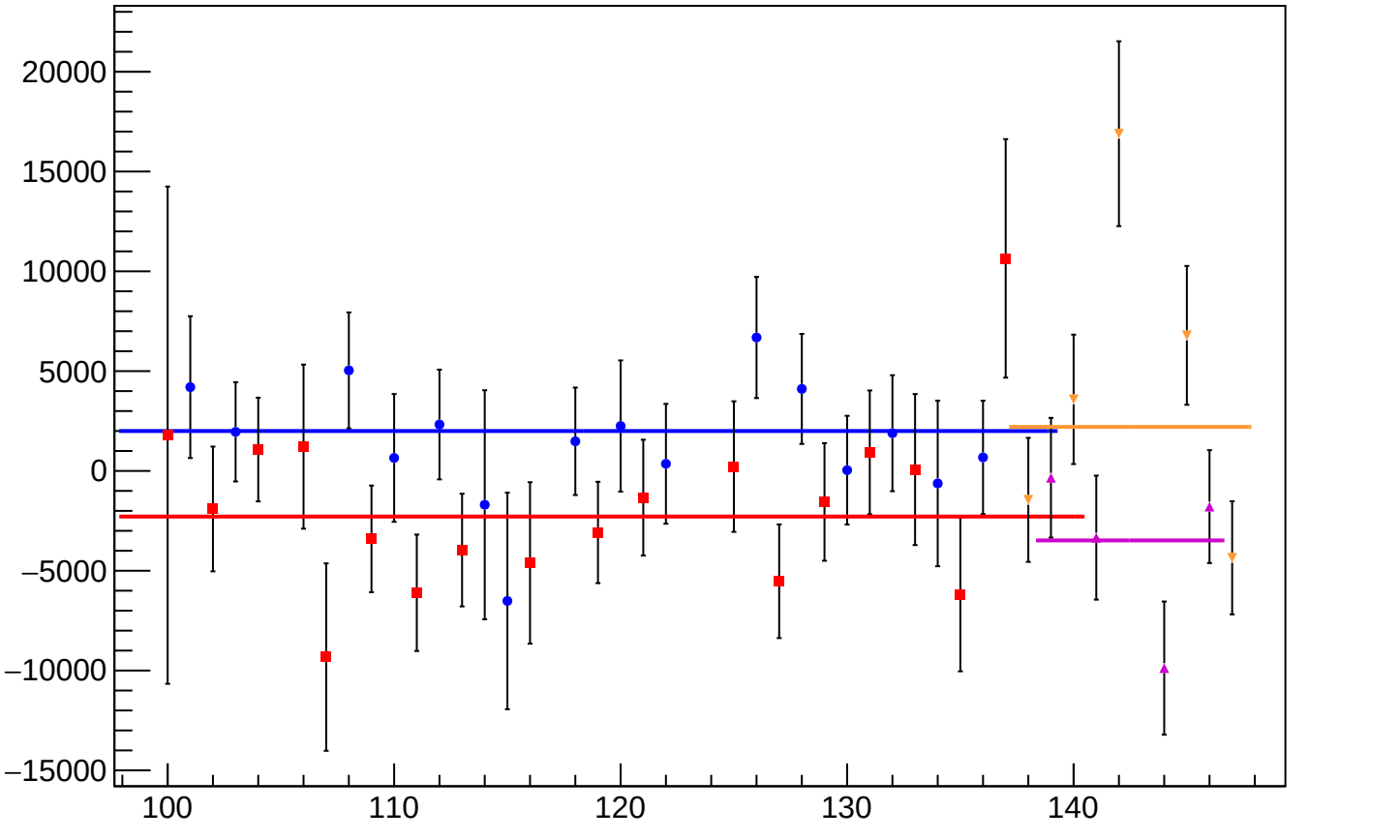
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9490.786+/-3.594 χ^2/NDF:35166.0/3

+ sign 6578.644+/-1.459 χ^2/NDF: 1372717.4/20

All: 6425.317+/-1.011 χ^2/NDF: 2903494.8/42

- sign 6284.070+/-1.401 χ^2/NDF: 1509569.6/21



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.389+/-1486.226 χ^2/NDF:18.7/4

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

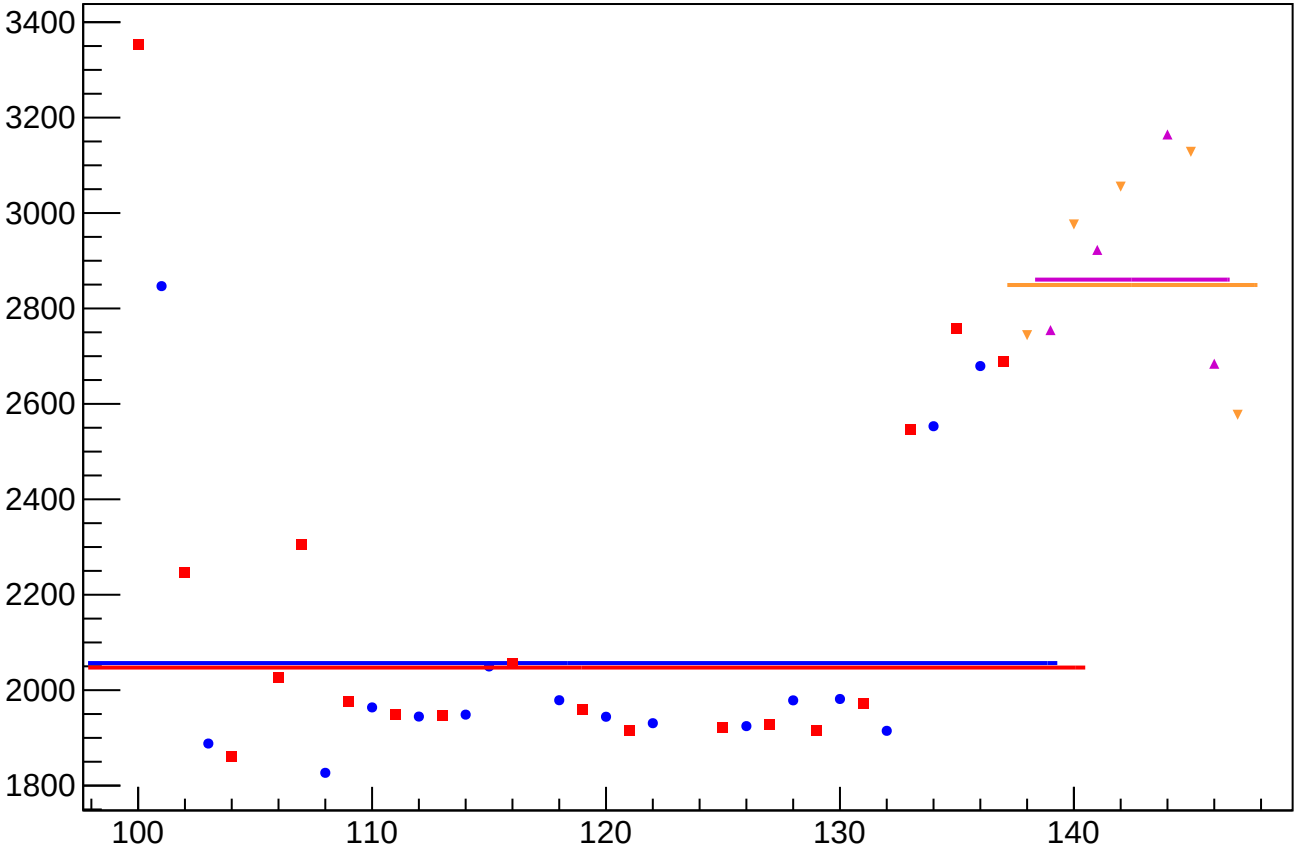
Left In: -3480.685+/-1525.626 χ^2/NDF:5.1/3

+ sign 2043.377+/-686.163 χ^2/NDF: 27.7/20

All: -235.655+/-485.956 χ^2/NDF: 72.2/42

- sign -2529.117+/-688.332 χ^2/NDF: 22.3/21

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.157+/-1.051 χ^2/NDF:40636.7/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

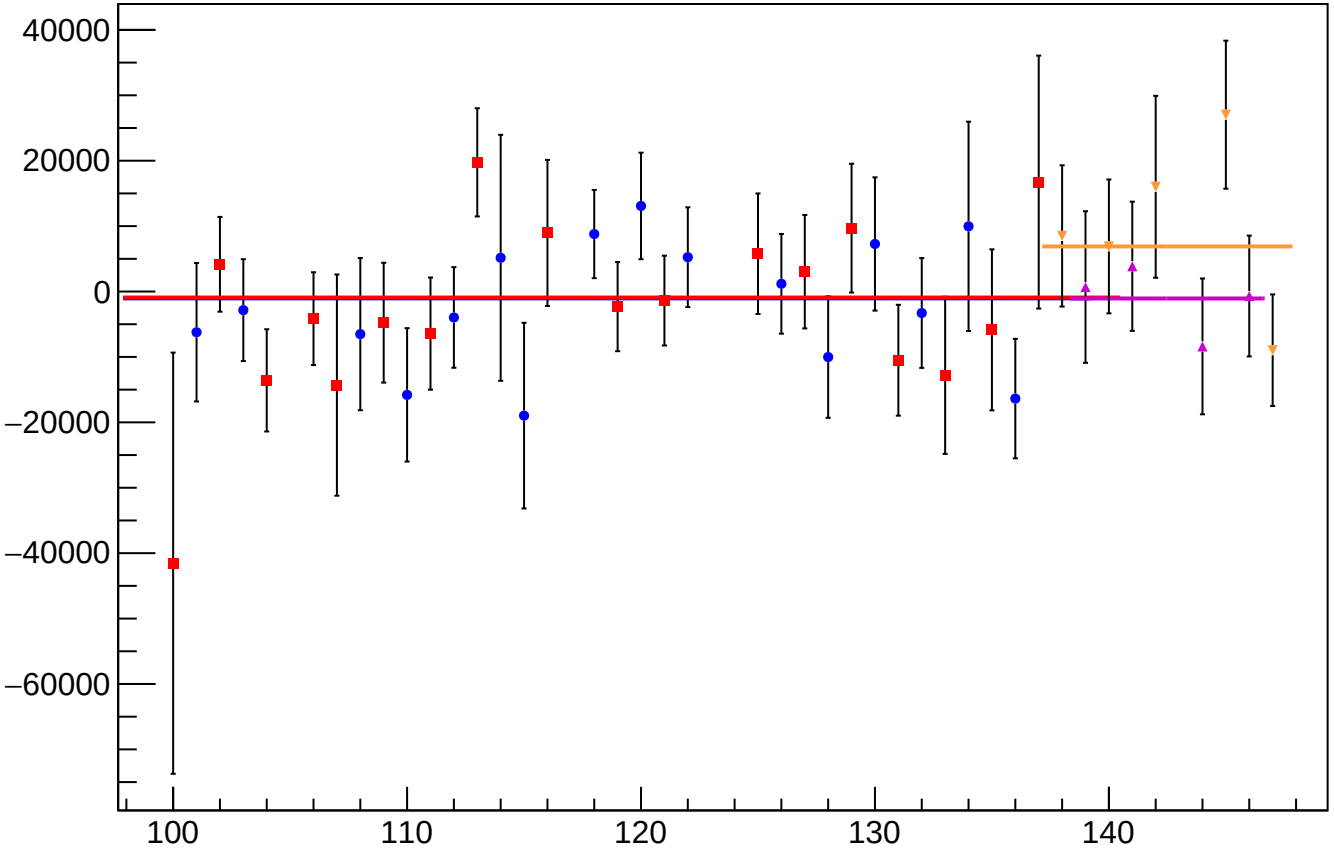
Left In: 2860.472+/-1.079 χ^2/NDF:27695.9/3

+ sign 2225.687+/-0.485 χ^2/NDF: 758391.1/20

All: 2219.114+/-0.343 χ^2/NDF: 1435677.4/42

- sign 2212.514+/-0.486 χ^2/NDF: 676918.4/21

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 6897.162+/-4721.983 χ^2/NDF:7.1/4

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

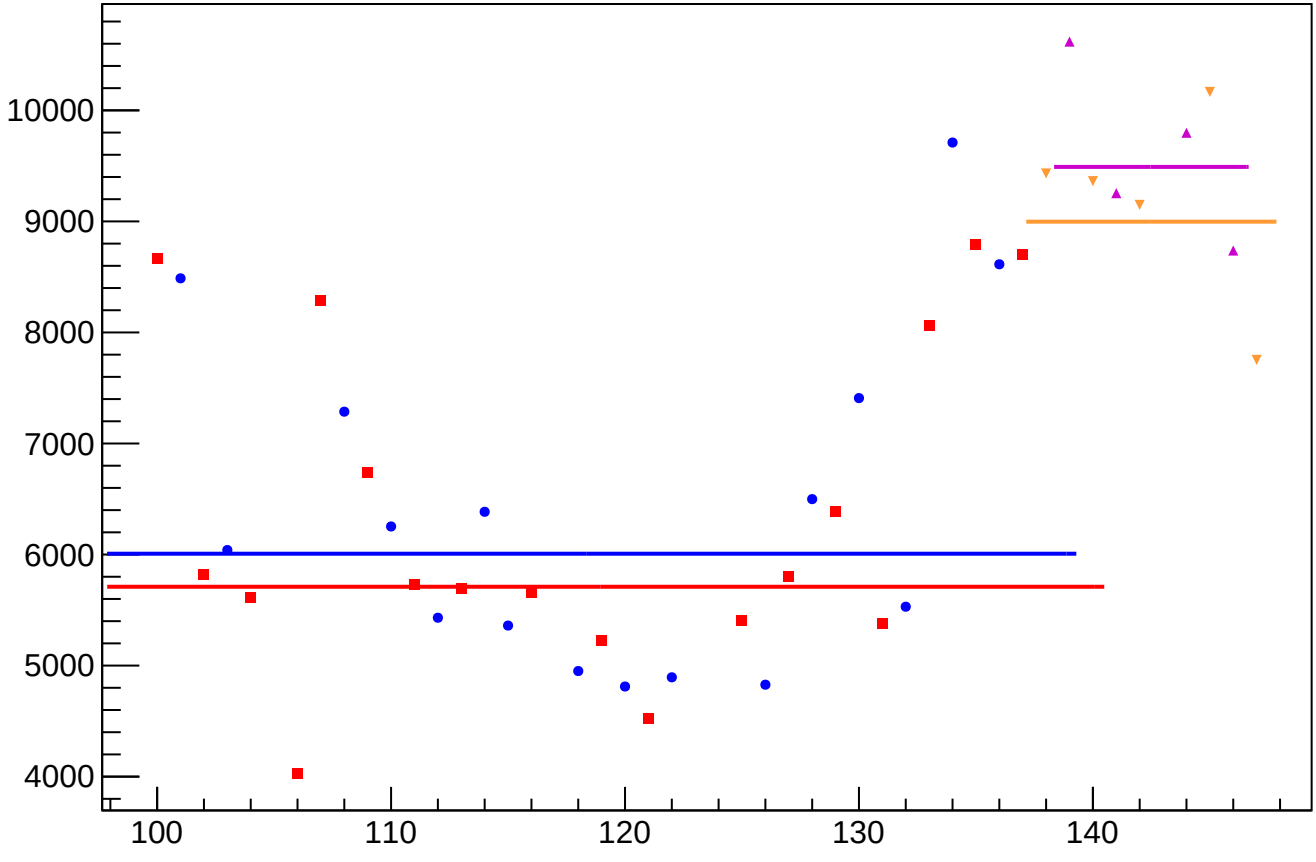
Left In: -1062.068+/-5083.125 χ^2/NDF:0.8/3

+ sign 474.200+/-2063.828 χ^2/NDF: 24.7/20

All: -262.573+/-1429.108 χ^2/NDF: 44.1/42

- sign -941.292+/-1980.851 χ^2/NDF: 19.1/21

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8997.649+/-3.339 χ^2/NDF:69911.9/4

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

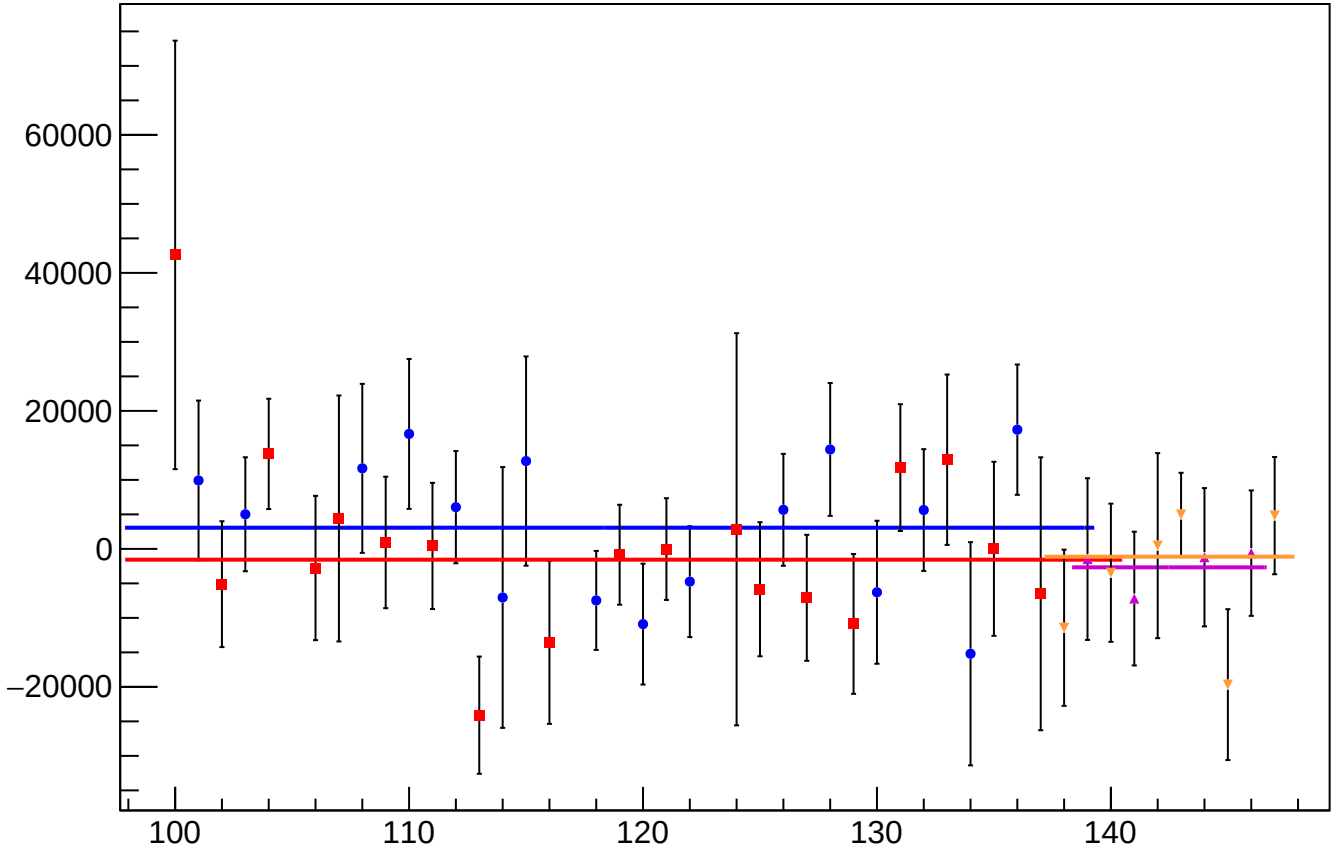
Left In: 9490.804+/-3.594 χ^2/NDF:35166.9/3

+ sign 6578.627+/-1.459 χ^2/NDF: 1372741.7/20

All: 6425.300+/-1.011 χ^2/NDF: 2903538.9/42

- sign 6284.054+/-1.401 χ^2/NDF: 1509589.4/21

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1131.099+/-3702.895 χ^2/NDF:5.3/5

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

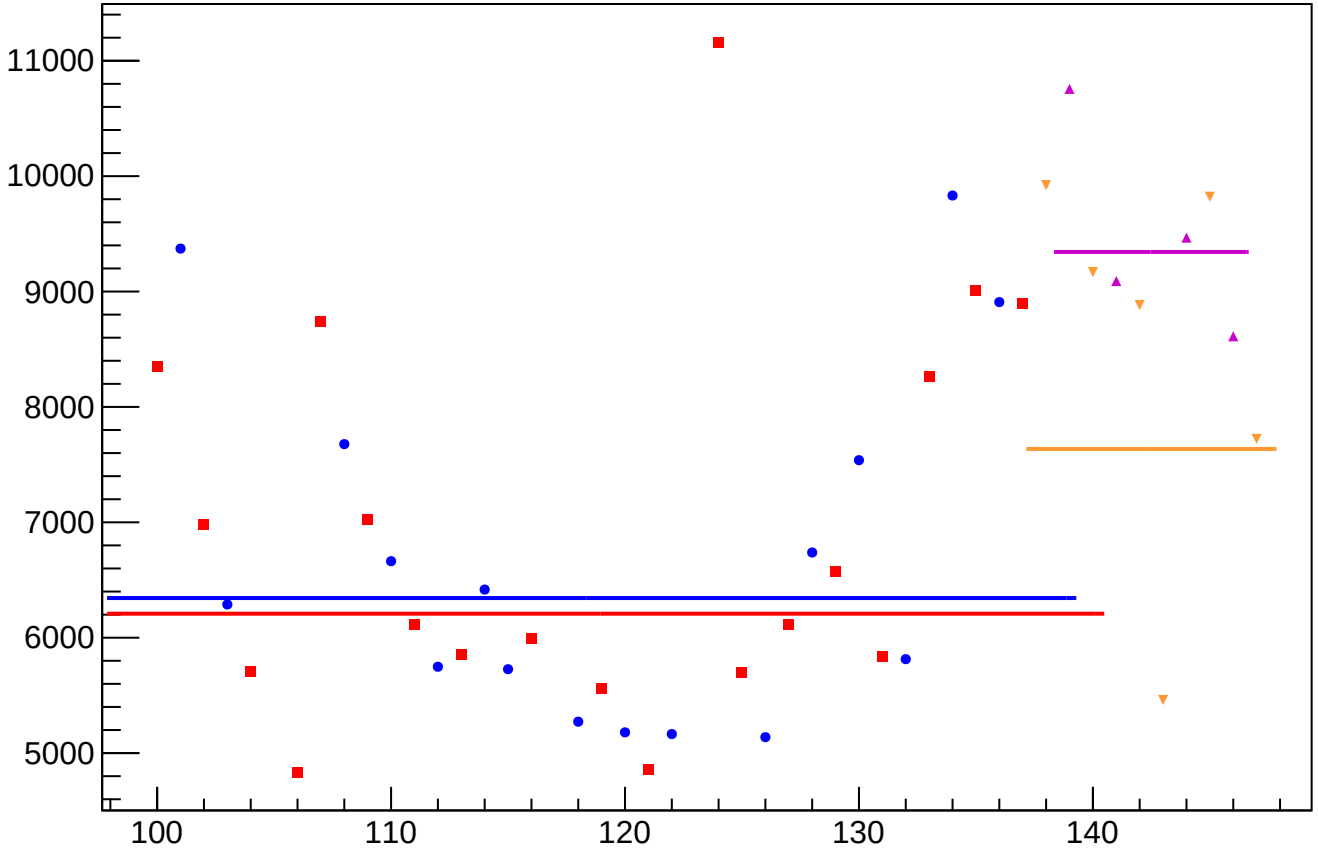
Left In: -2672.930+/-5001.598 χ^2/NDF:0.3/3

+ sign 1812.346+/-2026.171 χ^2/NDF: 21.1/21

All: 101.545+/-1463.593 χ^2/NDF: 42.1/44

- sign -1765.099+/-2116.446 χ^2/NDF: 19.5/22

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7635.822+/-2.618 χ^2/NDF:485008.1/5

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

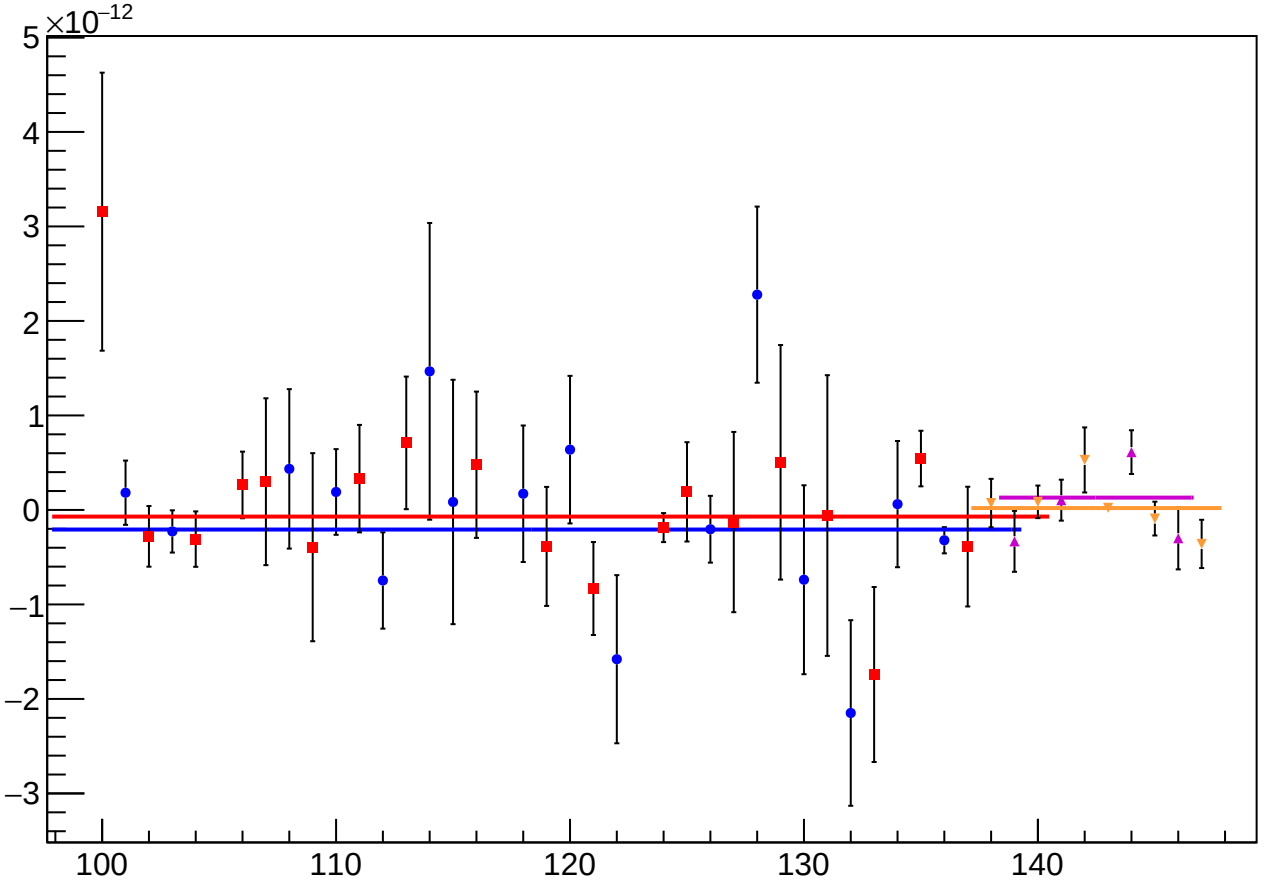
Left In: 9343.149+/-3.537 χ^2/NDF:43678.2/3

+ sign 6730.643+/-1.433 χ^2/NDF: 1276837.8/21

All: 6749.204+/-1.035 χ^2/NDF: 2437787.7/44

- sign 6769.456+/-1.497 χ^2/NDF: 1160598.9/22

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:5.0/5

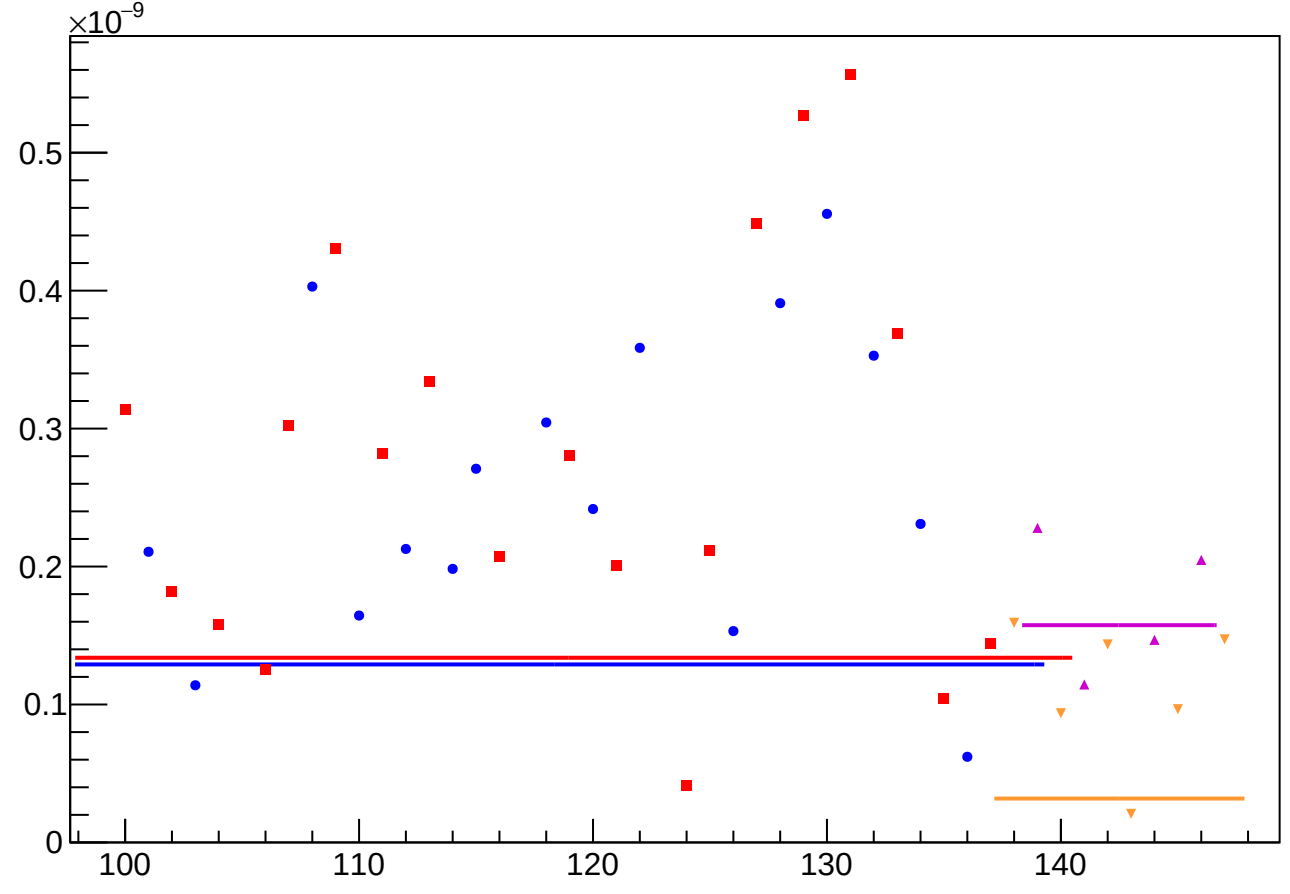
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/21

All: -0.000+/-0.000 χ^2/NDF: 61.5/44

- sign -0.000+/-0.000 χ^2/NDF: 30.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1826684.8/5

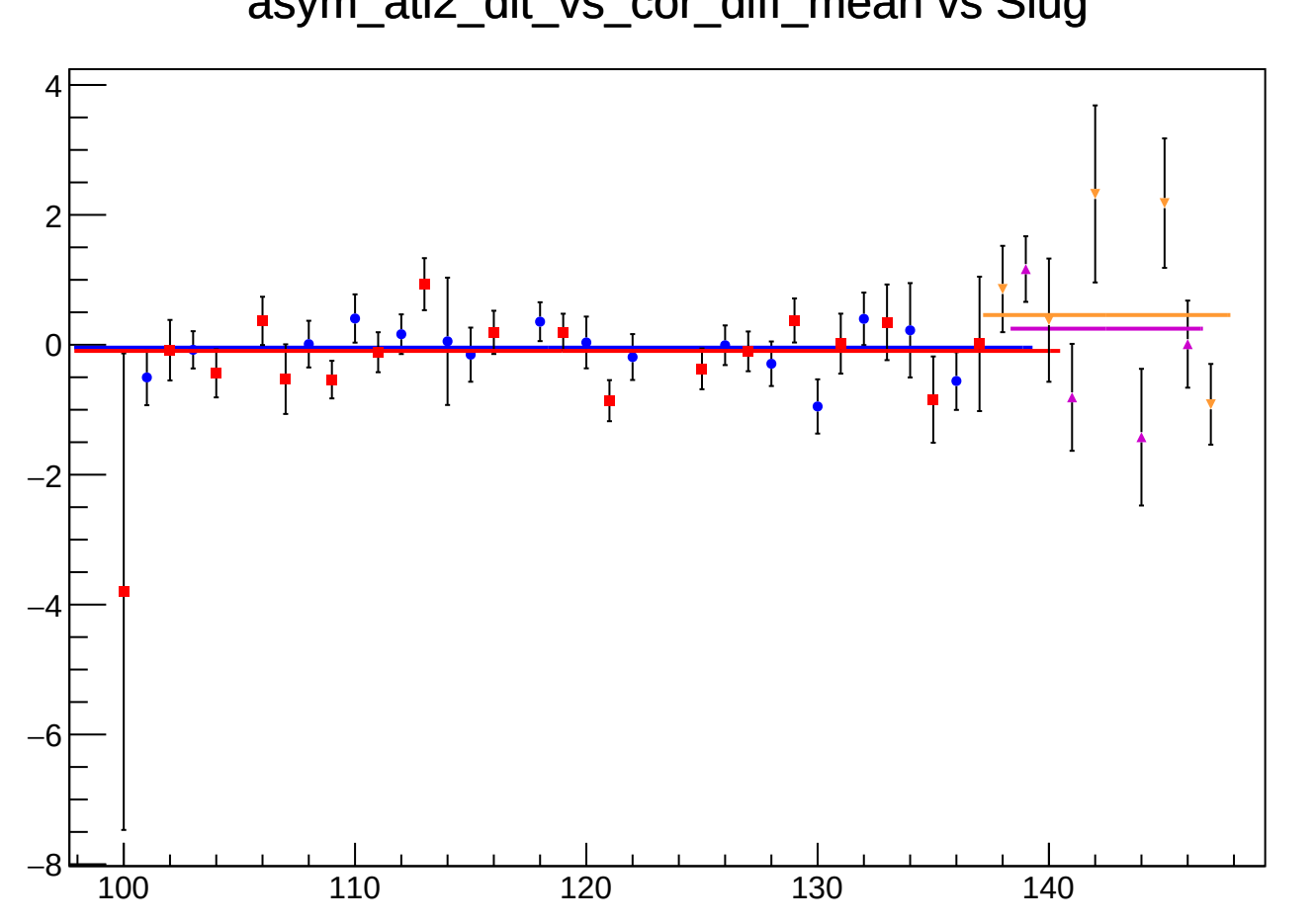
Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:219819.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 5400803.5/21

All: 0.000+/-0.000 χ^2/NDF: 10825393.7/44

- sign 0.000+/-0.000 χ^2/NDF: 2566916.6/22



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

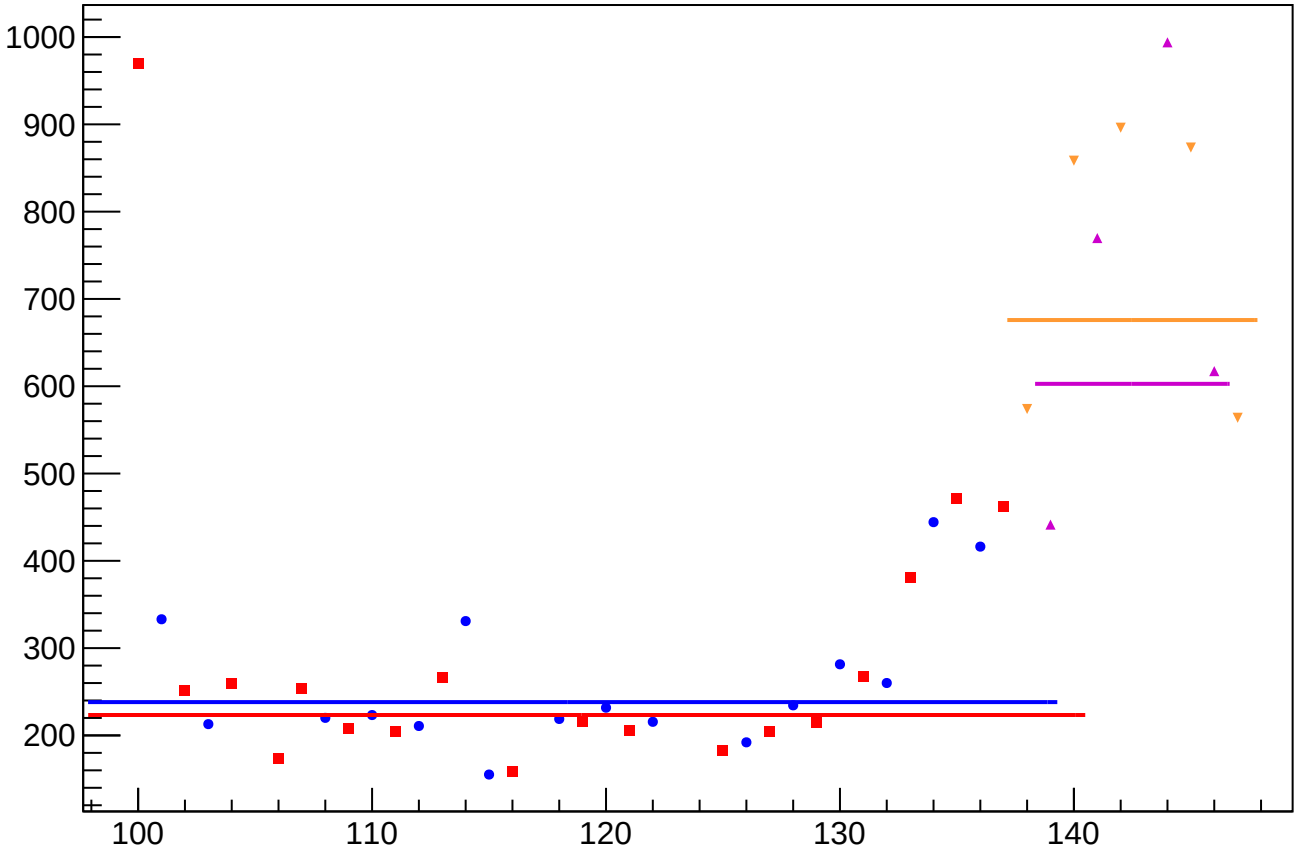
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.044+/-0.063 χ^2/NDF: 59.0/42

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

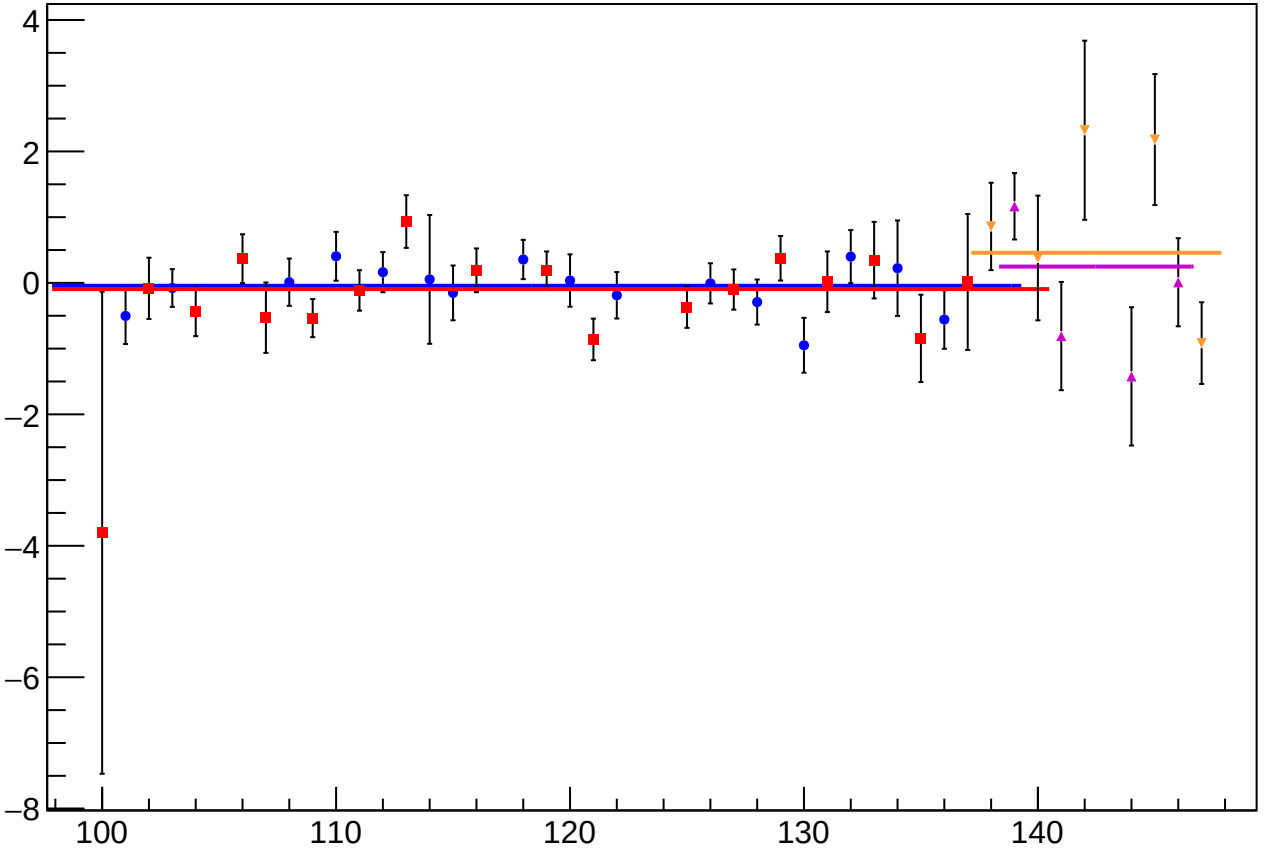
Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

+ sign 265.287+/-0.064 χ^2/NDF: 3822462.4/20

All: 256.232+/-0.044 χ^2/NDF: 7582331.3/42

- sign 247.914+/-0.062 χ^2/NDF: 3721747.7/21

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

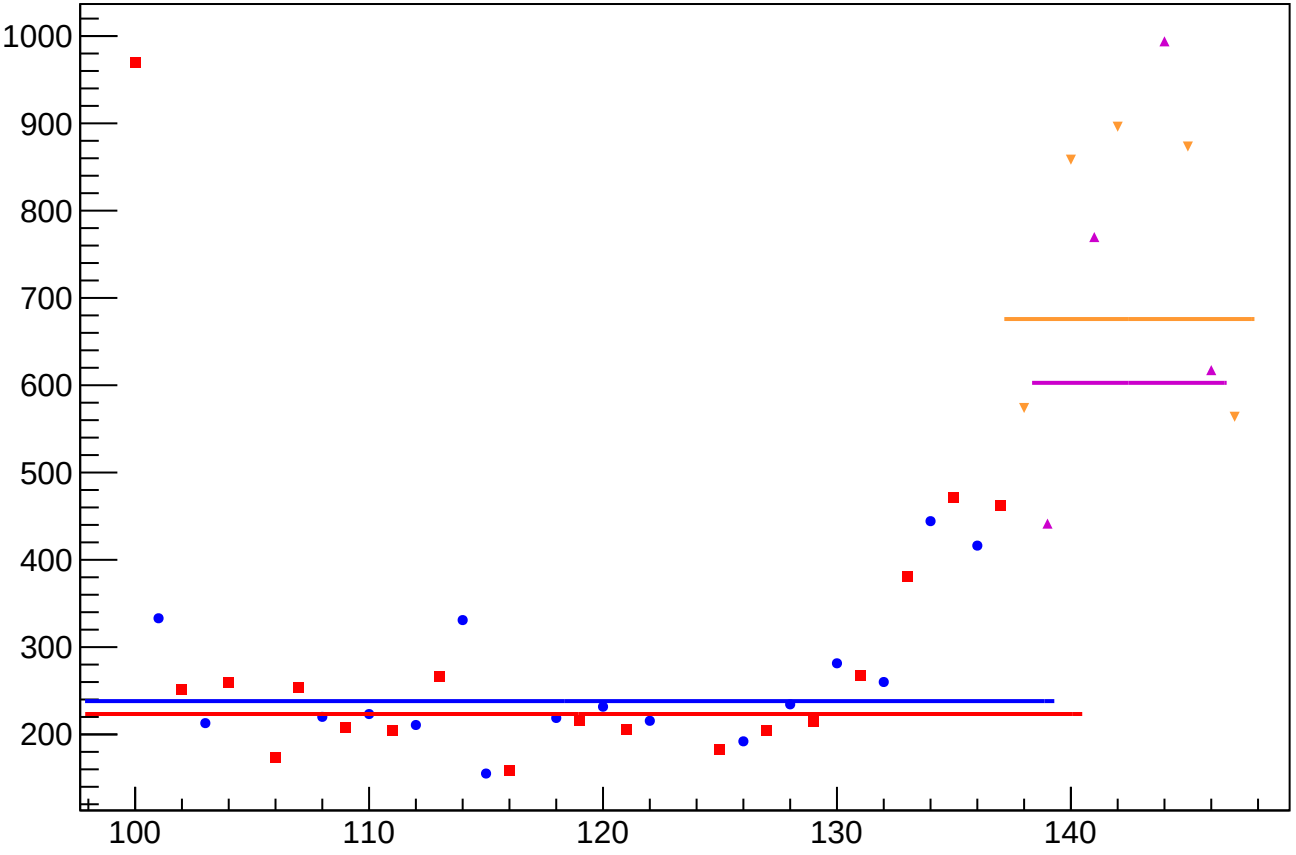
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.044+/-0.063 χ^2/NDF: 59.0/42

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

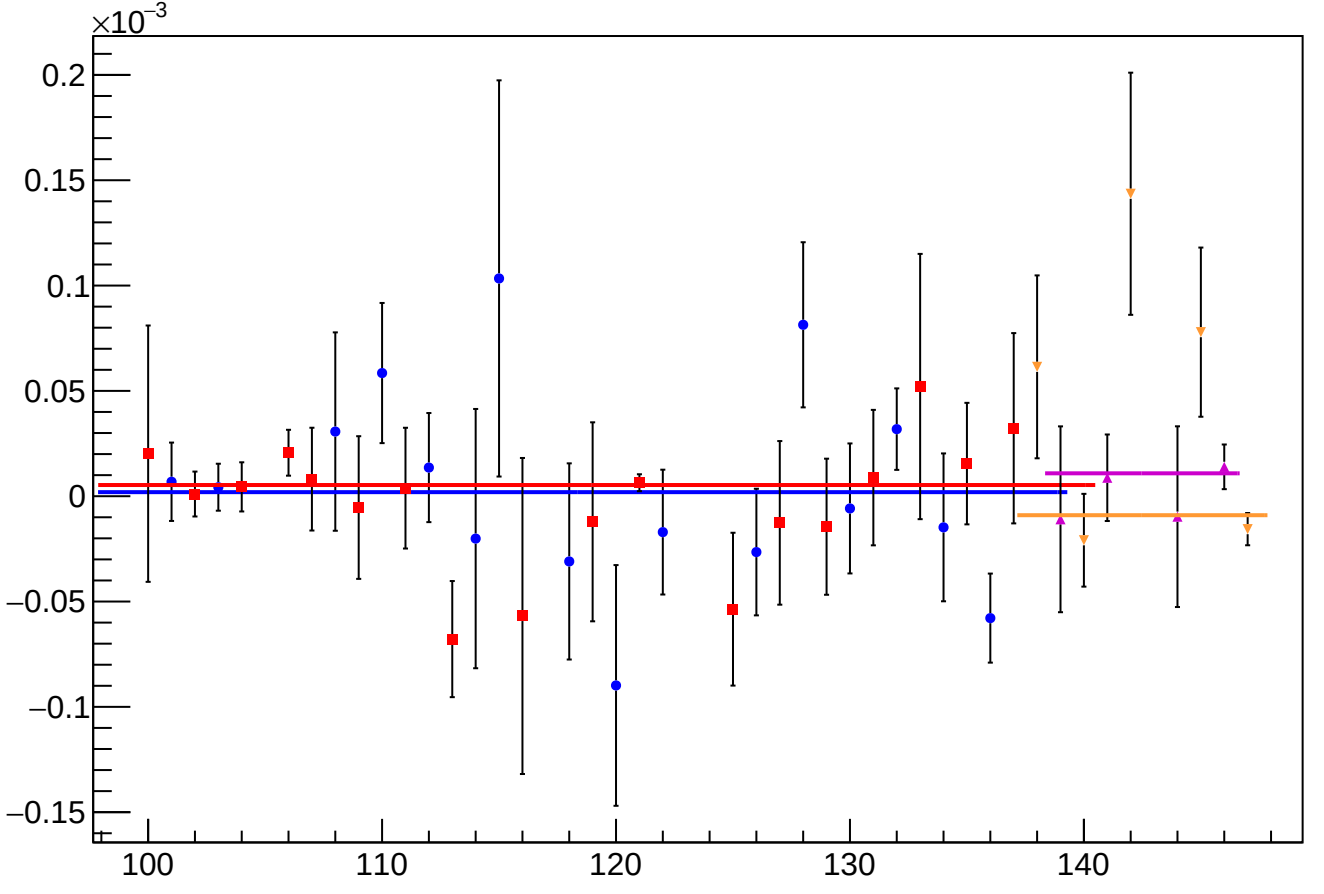
Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

+ sign 265.287+/-0.064 χ^2/NDF: 3822462.4/20

All: 256.232+/-0.044 χ^2/NDF: 7582331.3/42

- sign 247.914+/-0.062 χ^2/NDF: 3721747.7/21

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/4

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

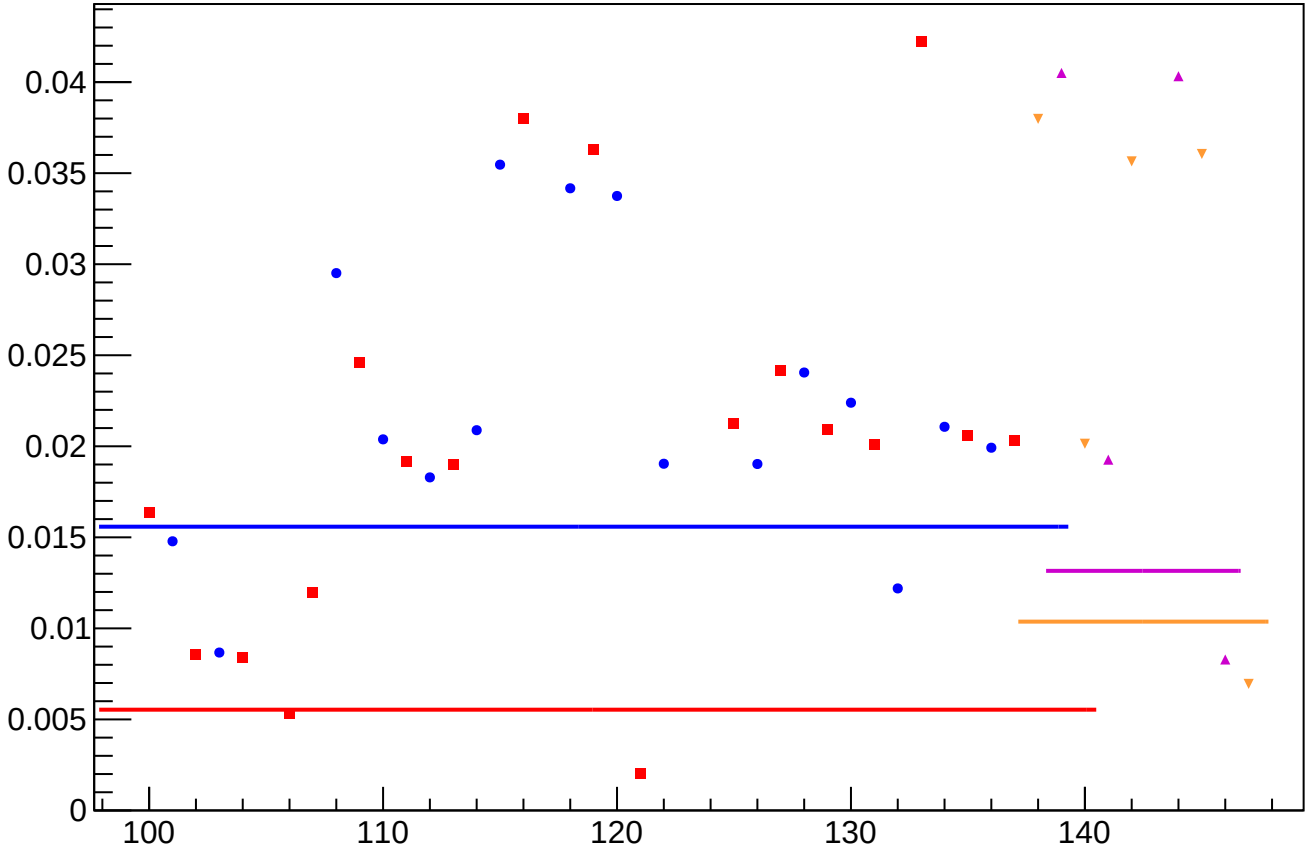
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/20

All: 0.000+/-0.000 χ^2/NDF: 58.8/42

- sign 0.000+/-0.000 χ^2/NDF: 15.4/21

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:2806590.7/4

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

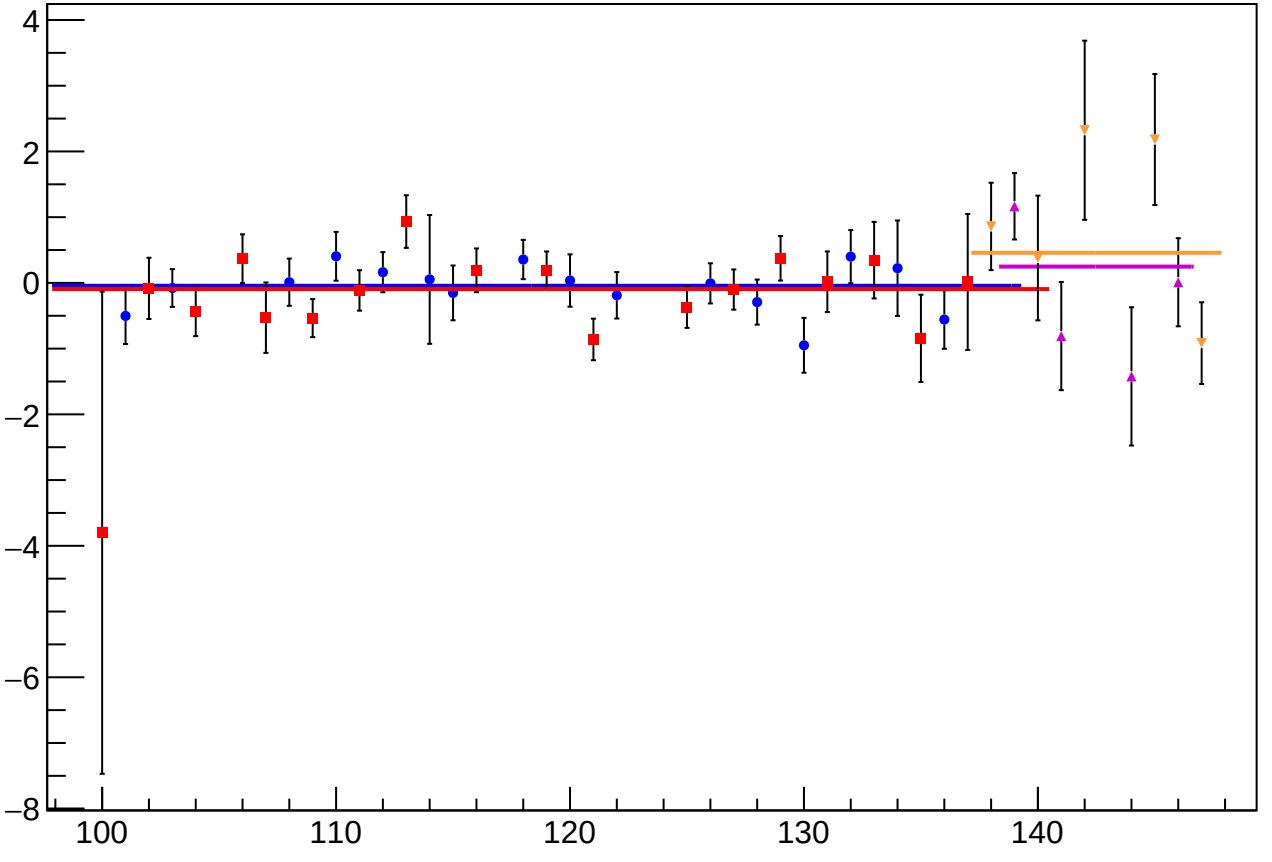
Left In: 0.013+/-0.000 χ^2/NDF:2168983.5/3

+ sign 0.013+/-0.000 χ^2/NDF: 5490594.6/20

All: 0.008+/-0.000 χ^2/NDF: 19867700.1/42

- sign 0.006+/-0.000 χ^2/NDF: 11396337.1/21

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

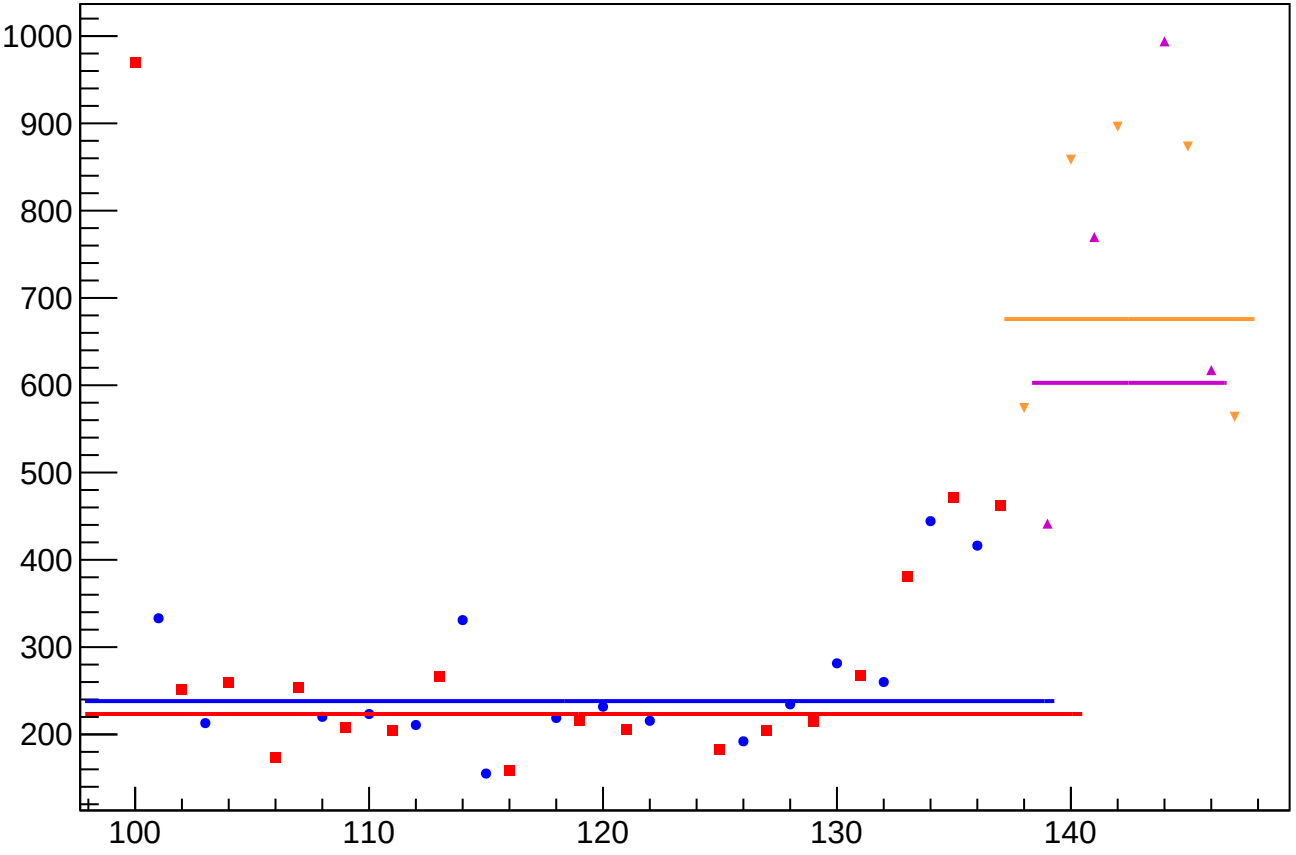
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

\+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.044+/-0.063 χ^2/NDF: 59.0/42

\- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

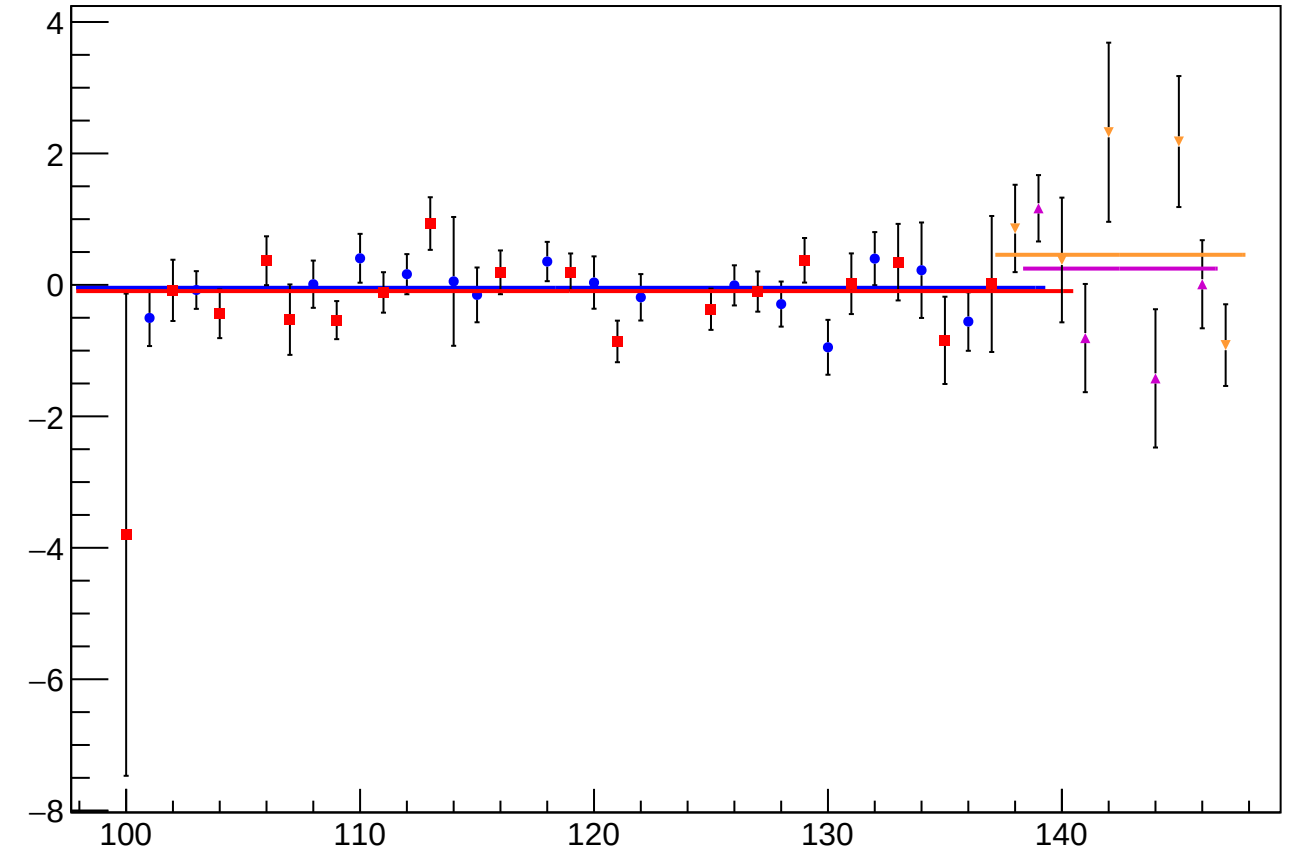
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

+ sign 265.288+/-0.064 χ^2/NDF: 3822462.4/20

All: 256.233+/-0.044 χ^2/NDF: 7582291.4/42

- sign 247.915+/-0.062 χ^2/NDF: 3721712.0/21



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

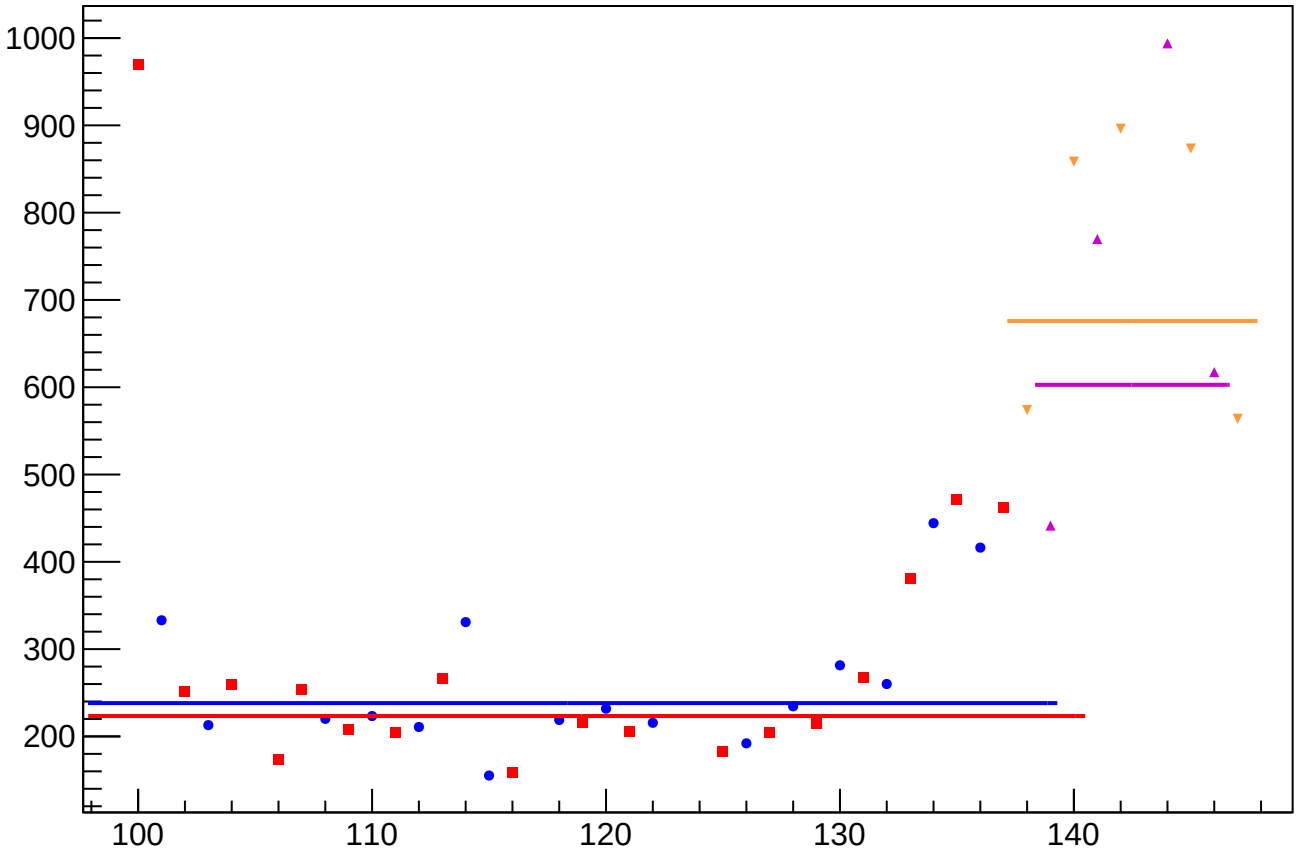
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.044+/-0.063 χ^2/NDF: 59.0/42

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

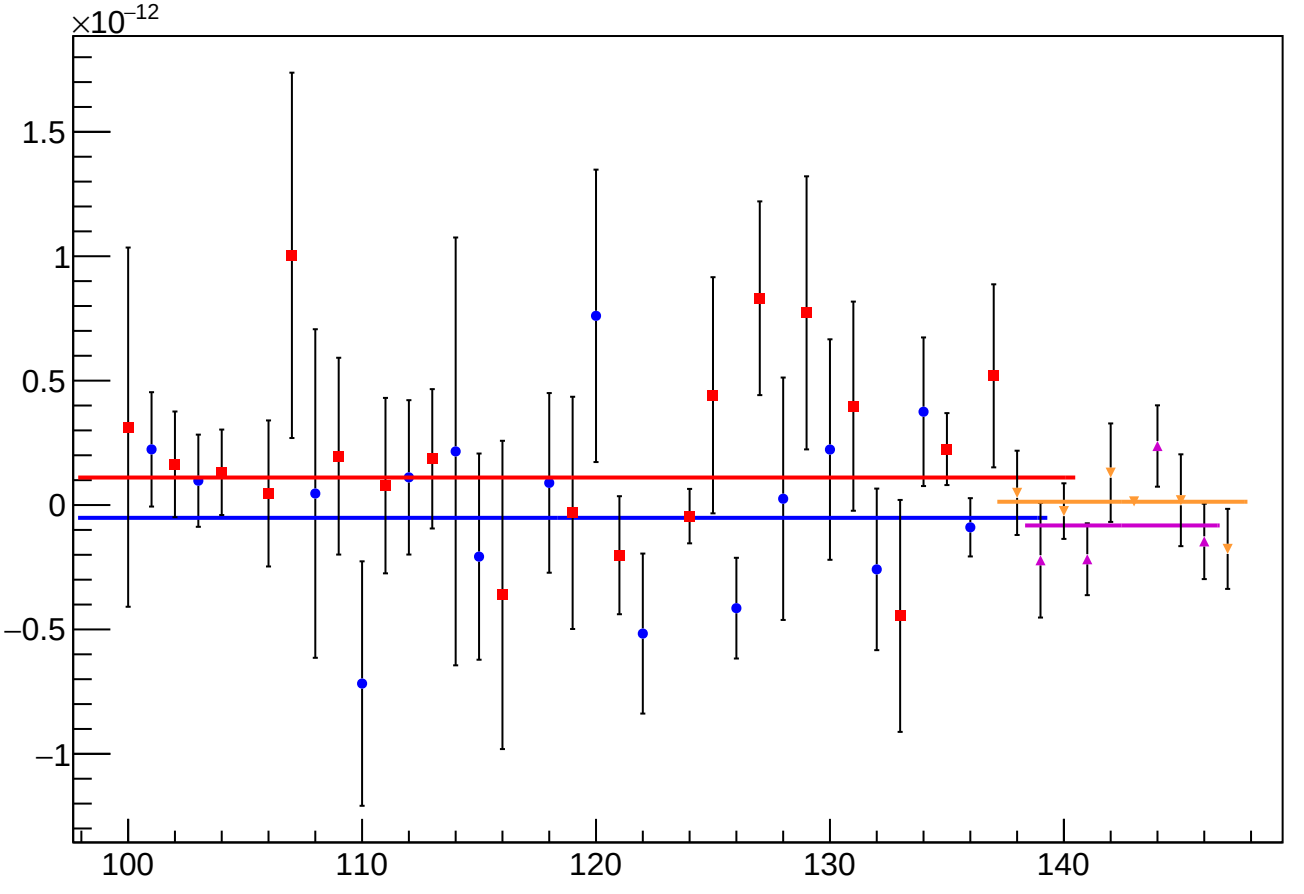
Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

+ sign 265.288+/-0.064 χ^2/NDF: 3822462.4/20

All: 256.233+/-0.044 χ^2/NDF: 7582291.4/42

- sign 247.915+/-0.062 χ^2/NDF: 3721712.0/21

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:1.9/5

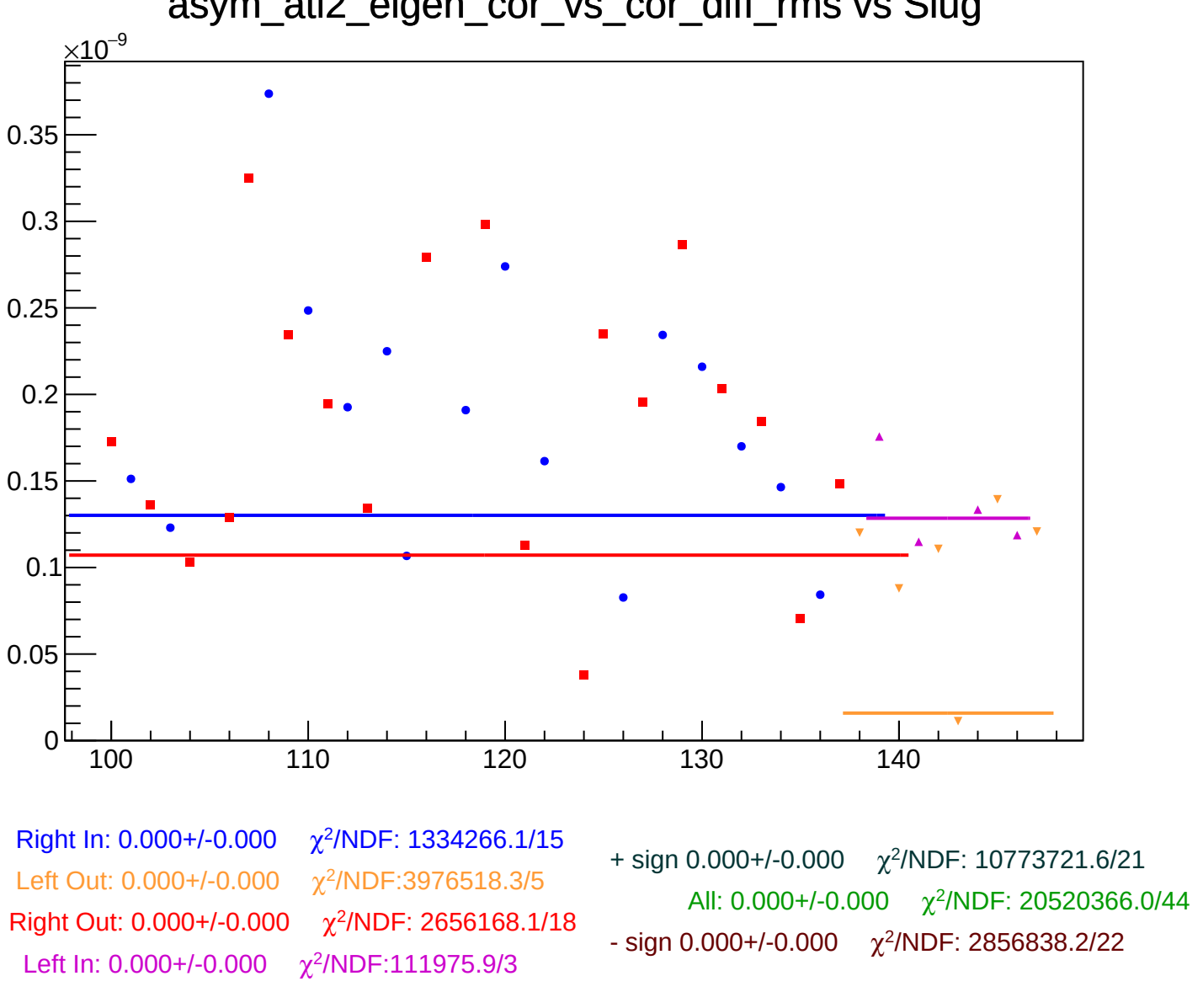
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/3

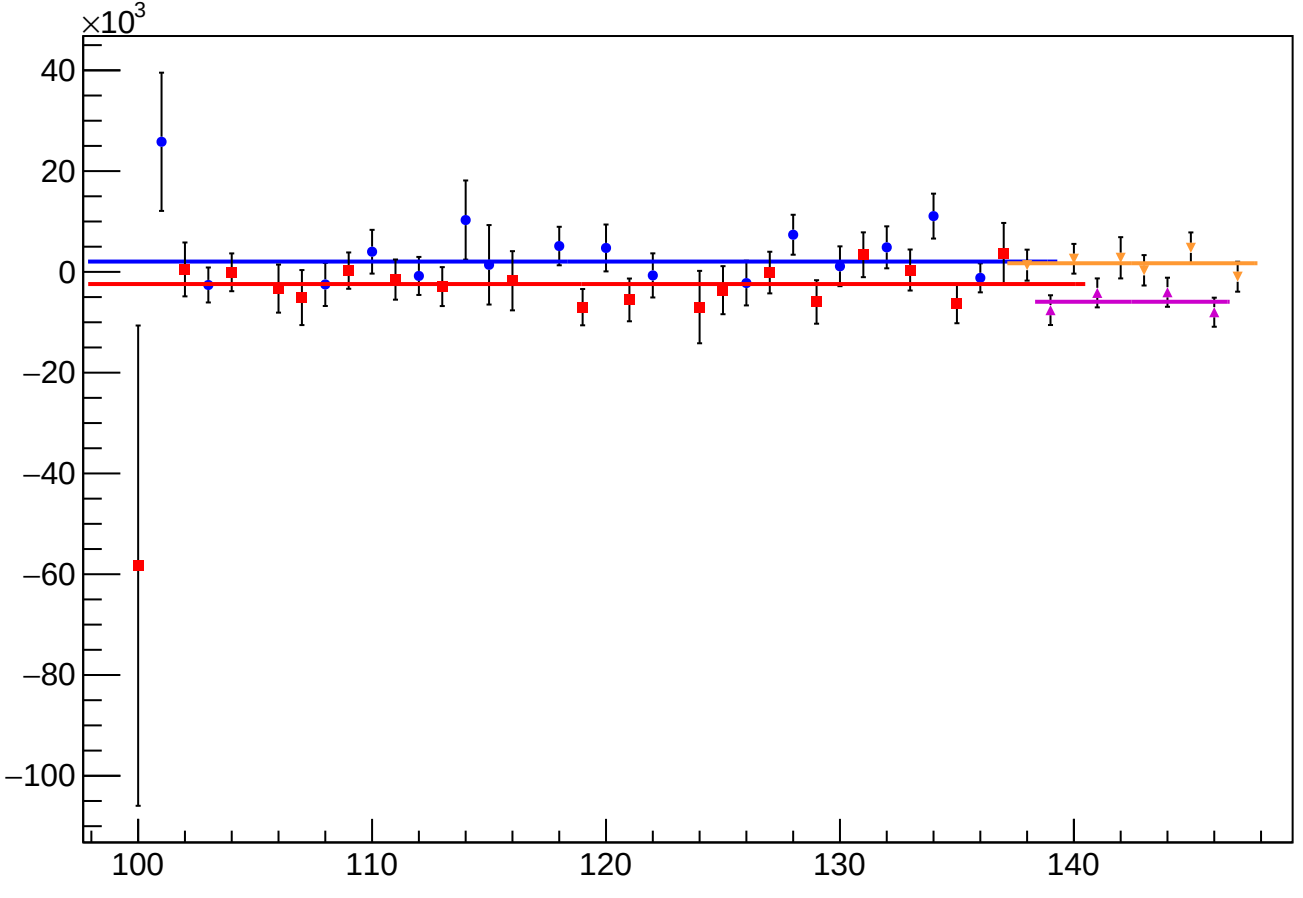
+ sign 0.000+/-0.000 χ^2/NDF: 17.6/21

All: 0.000+/-0.000 χ^2/NDF: 42.3/44

- sign 0.000+/-0.000 χ^2/NDF: 24.2/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3976518.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:111975.9/3
+ sign 0.000+/-0.000 χ²/NDF: 10773721.6/21
All: 0.000+/-0.000 χ²/NDF: 20520366.0/44
- sign 0.000+/-0.000 χ²/NDF: 2856838.2/22

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.694+/-1279.610 χ^2/NDF:2.2/5

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

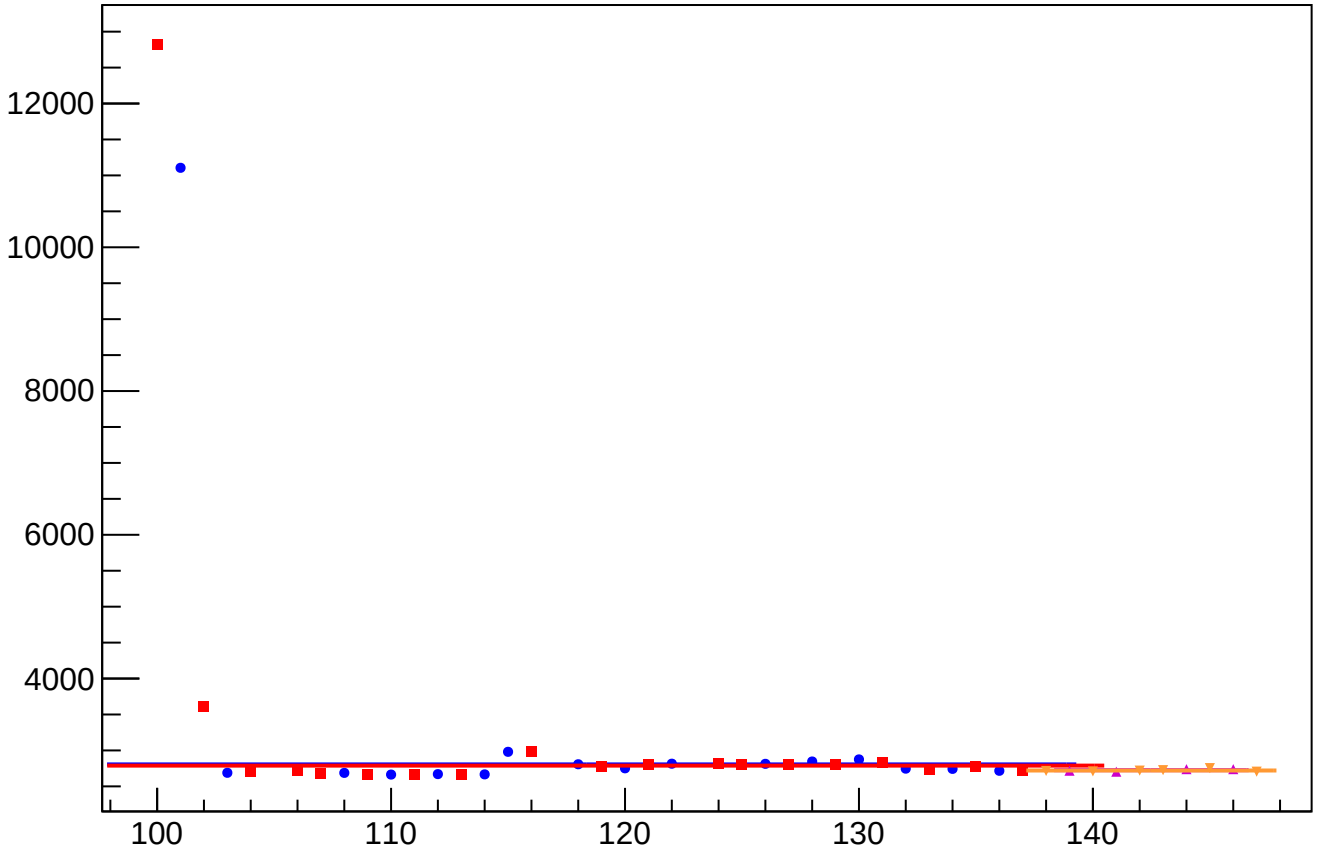
Left In: -5929.200+/-1449.731 χ^2/NDF:1.6/3

+ sign 1911.254+/-821.020 χ^2/NDF: 20.0/21

All: -772.892+/-588.034 χ^2/NDF: 58.3/44

- sign -3600.071+/-842.611 χ^2/NDF: 16.3/22

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

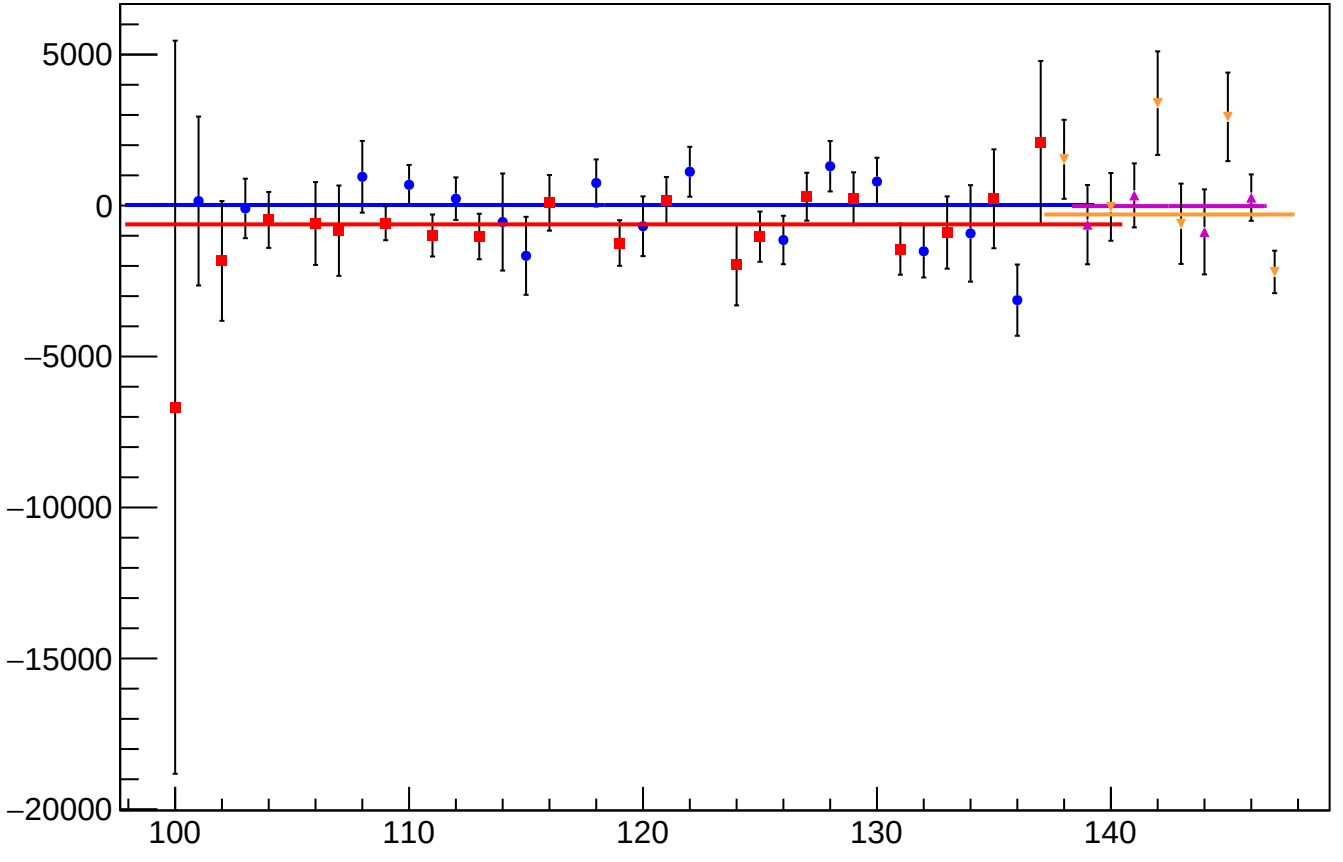
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2770.595+/-0.581 χ^2/NDF: 751733.8/21

All: 2769.037+/-0.416 χ^2/NDF: 901500.5/44

- sign 2767.397+/-0.596 χ^2/NDF: 149752.0/22

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -295.174+/-457.780 χ^2/NDF:18.9/5

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

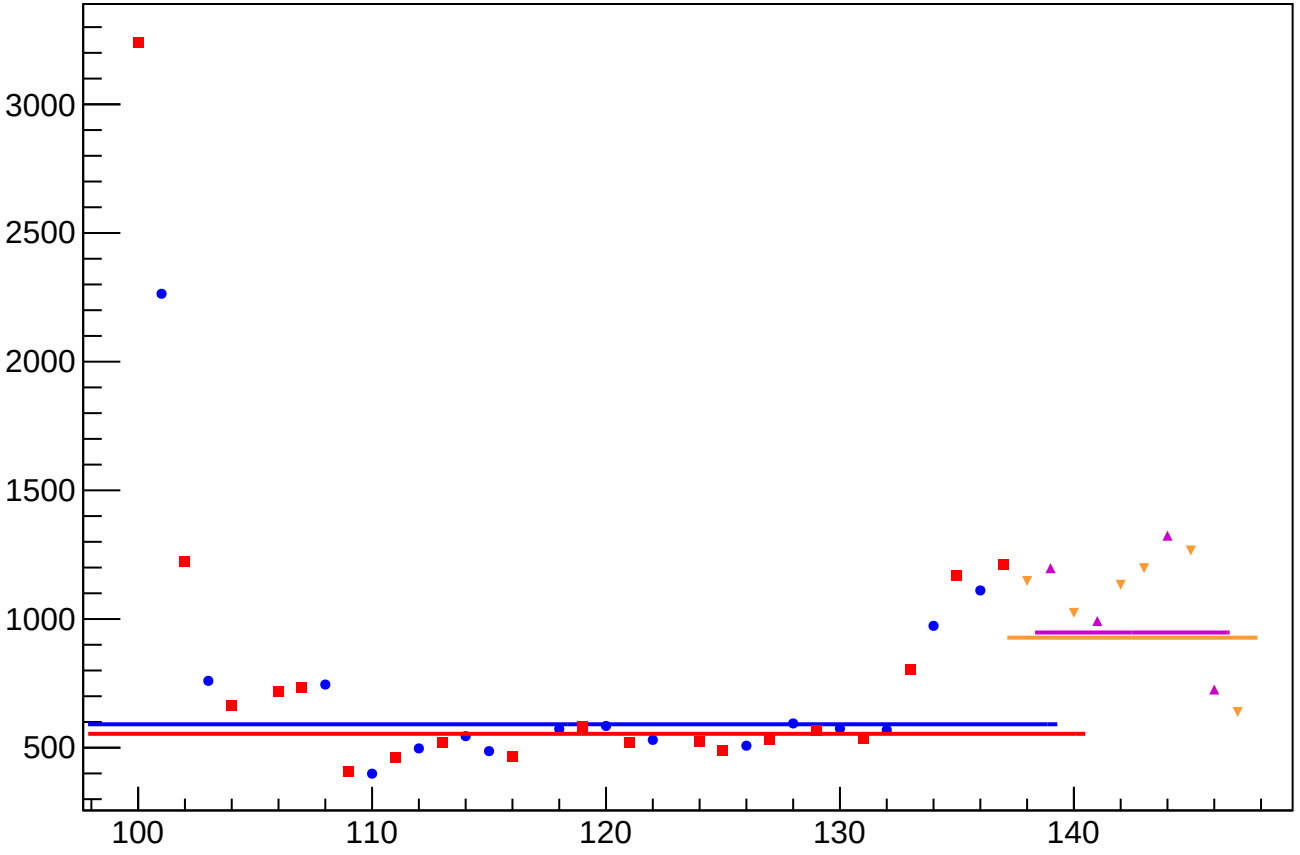
Left In: -17.317+/-522.166 χ^2/NDF:0.8/3

\+ sign -45.871+/-207.992 χ^2/NDF: 42.0/21

All: -300.363+/-143.997 χ^2/NDF: 56.1/44

\- sign -534.629+/-199.556 χ^2/NDF: 11.3/22

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 927.592+/-0.324 χ^2/NDF:626238.7/5

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

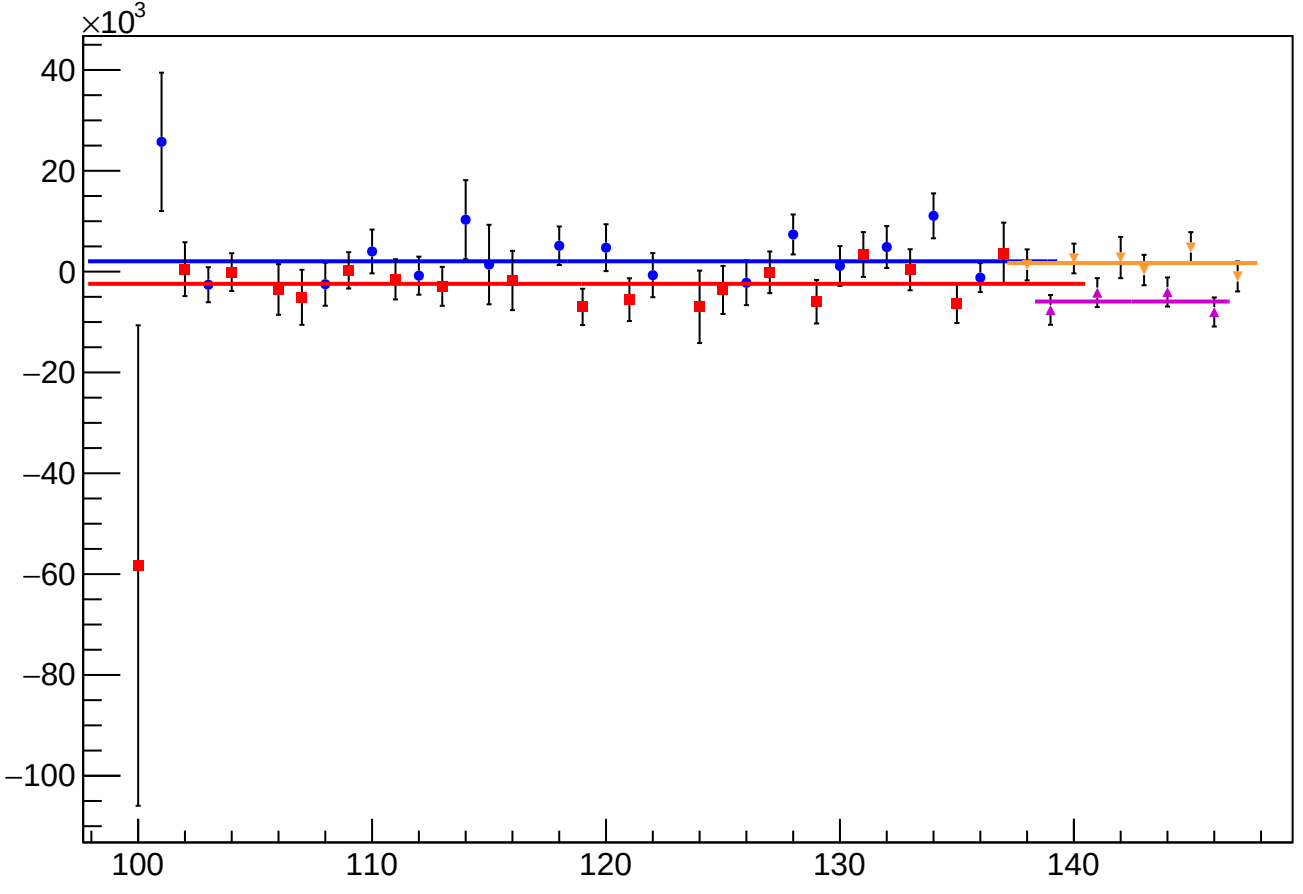
Left In: 947.646+/-0.369 χ^2/NDF:385028.8/3

+ sign 660.516+/-0.147 χ^2/NDF: 3051731.4/21

All: 634.982+/-0.102 χ^2/NDF: 5582284.5/44

- sign 611.478+/-0.141 χ^2/NDF: 2472664.3/22

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

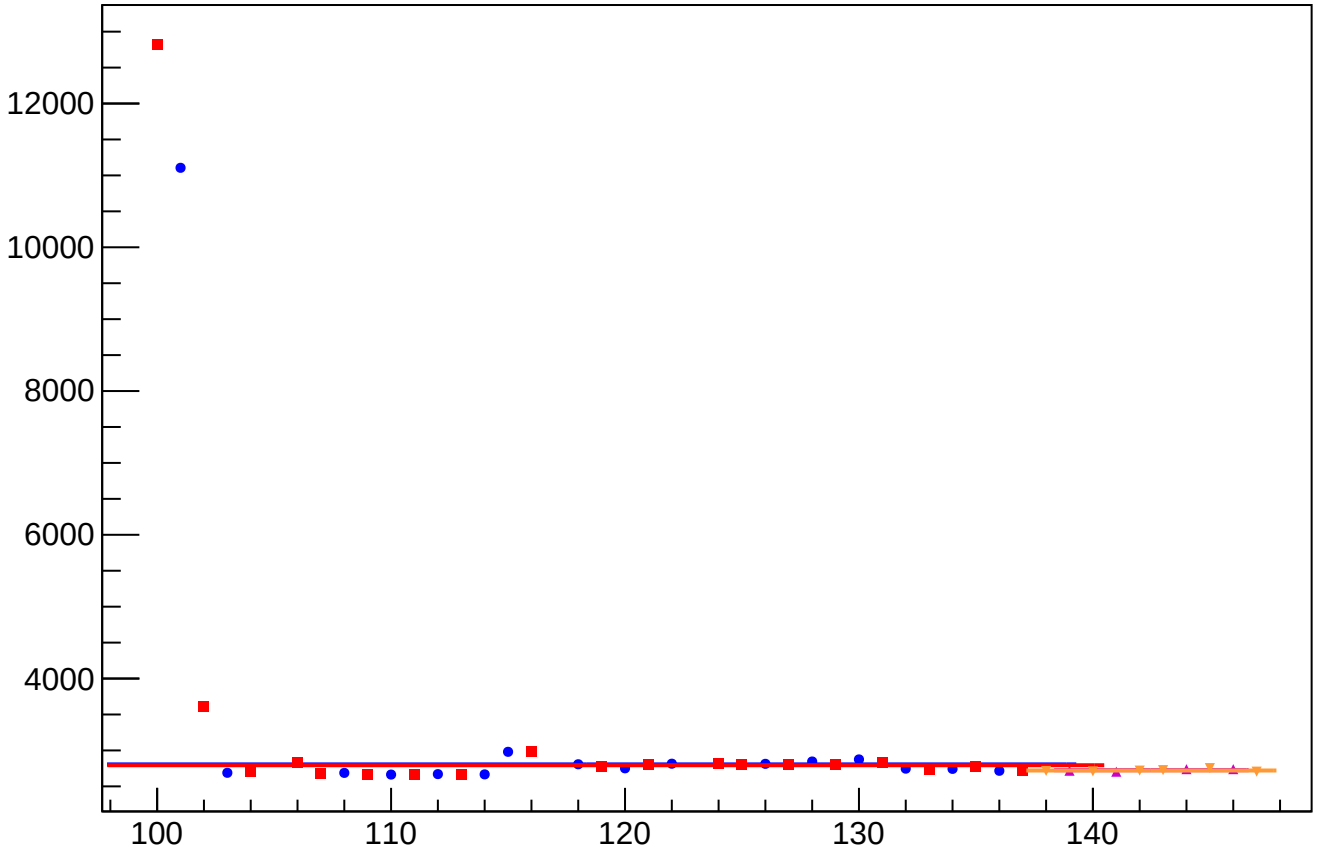
Left In: -5929.467+/-1449.731 χ^2/NDF:1.6/3

+ sign 1910.822+/-821.020 χ^2/NDF: 20.0/21

All: -772.674+/-588.470 χ^2/NDF: 58.3/44

- sign -3607.785+/-843.895 χ^2/NDF: 16.3/22

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

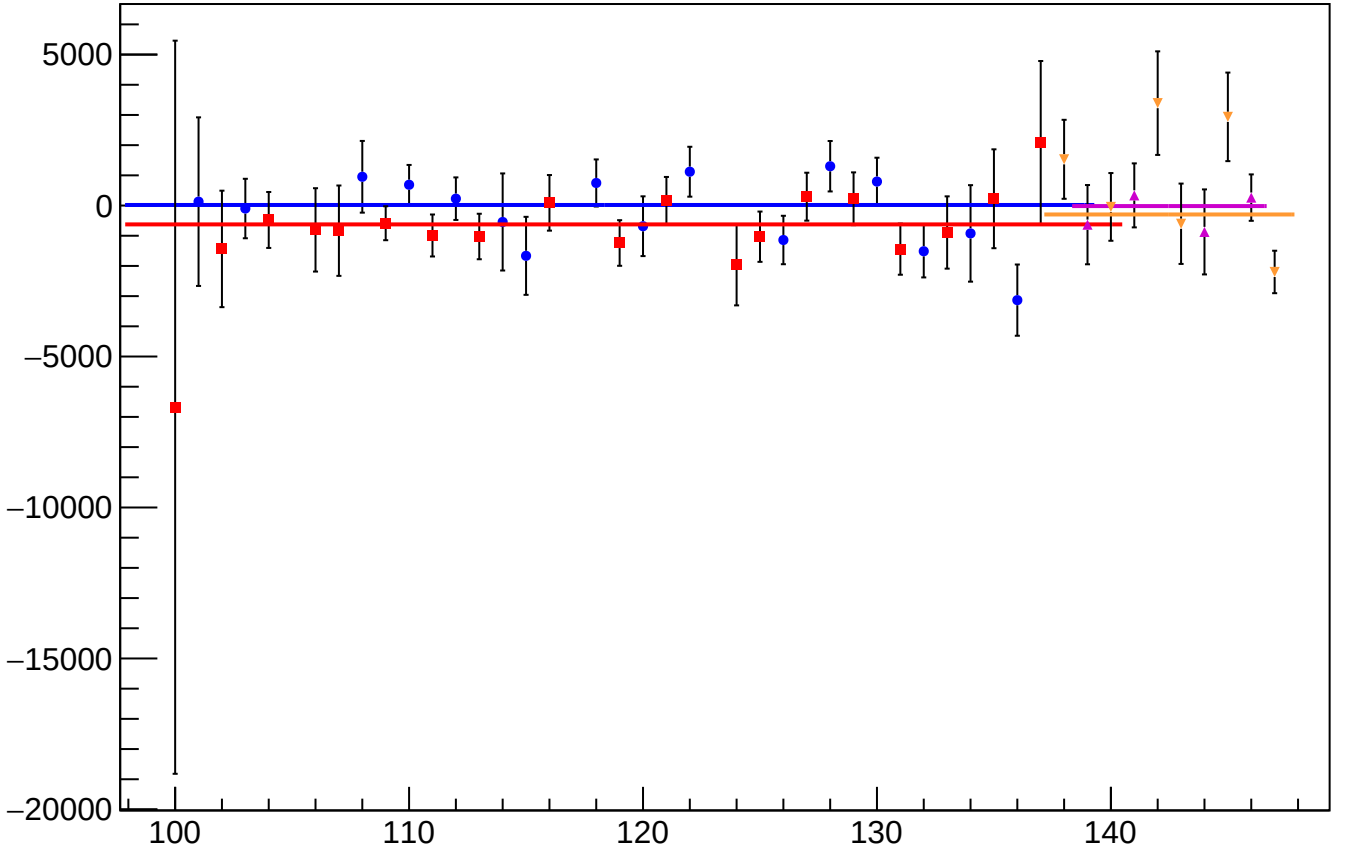
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2770.595+/-0.581 χ^2/NDF: 751732.9/21

All: 2770.724+/-0.416 χ^2/NDF: 901670.8/44

- sign 2770.860+/-0.597 χ^2/NDF: 149937.8/22

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

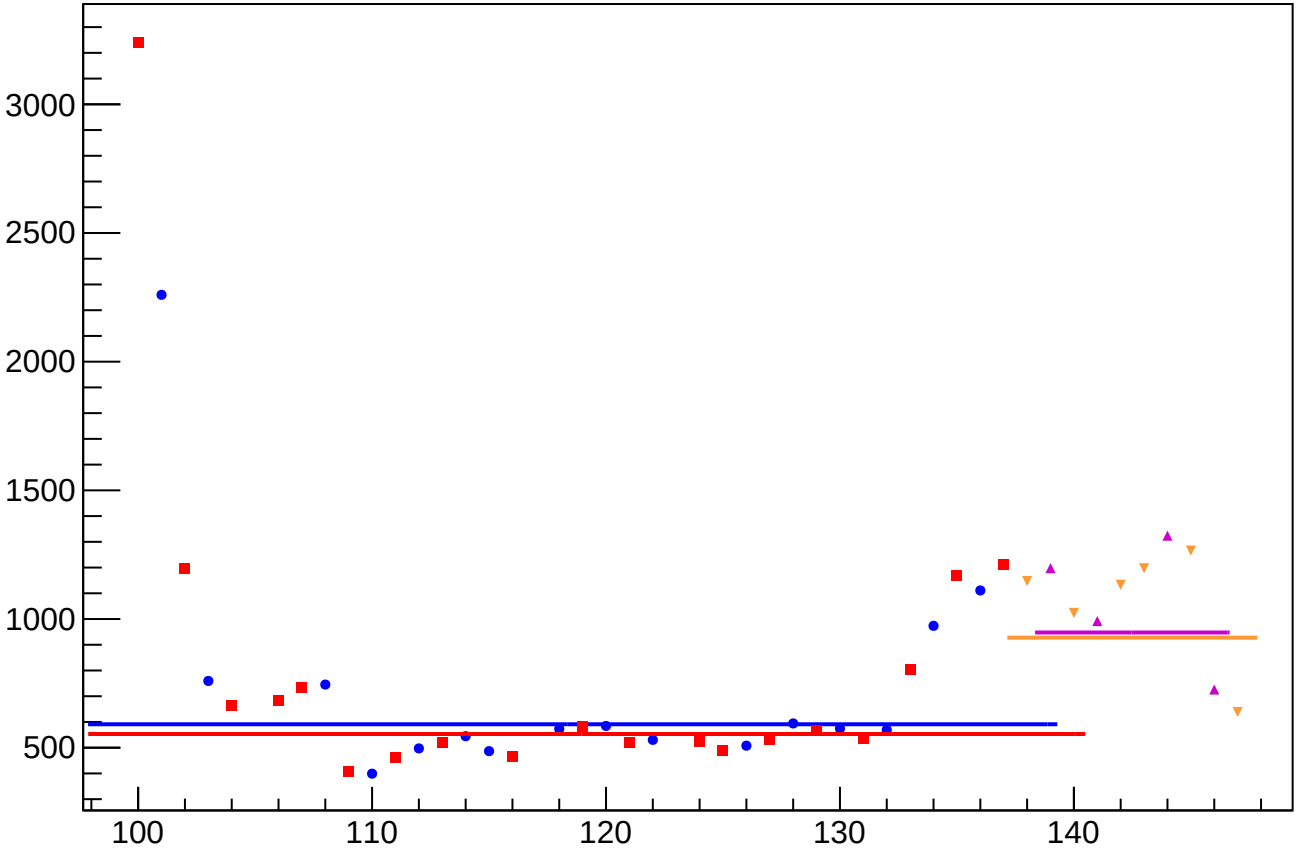
Left In: -17.305+/-522.167 χ^2/NDF:0.8/3

\+ sign -45.964+/-207.984 χ^2/NDF: 42.0/21

All: -300.953+/-143.981 χ^2/NDF: 56.0/44

\- sign -535.608+/-199.519 χ^2/NDF: 11.1/22

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

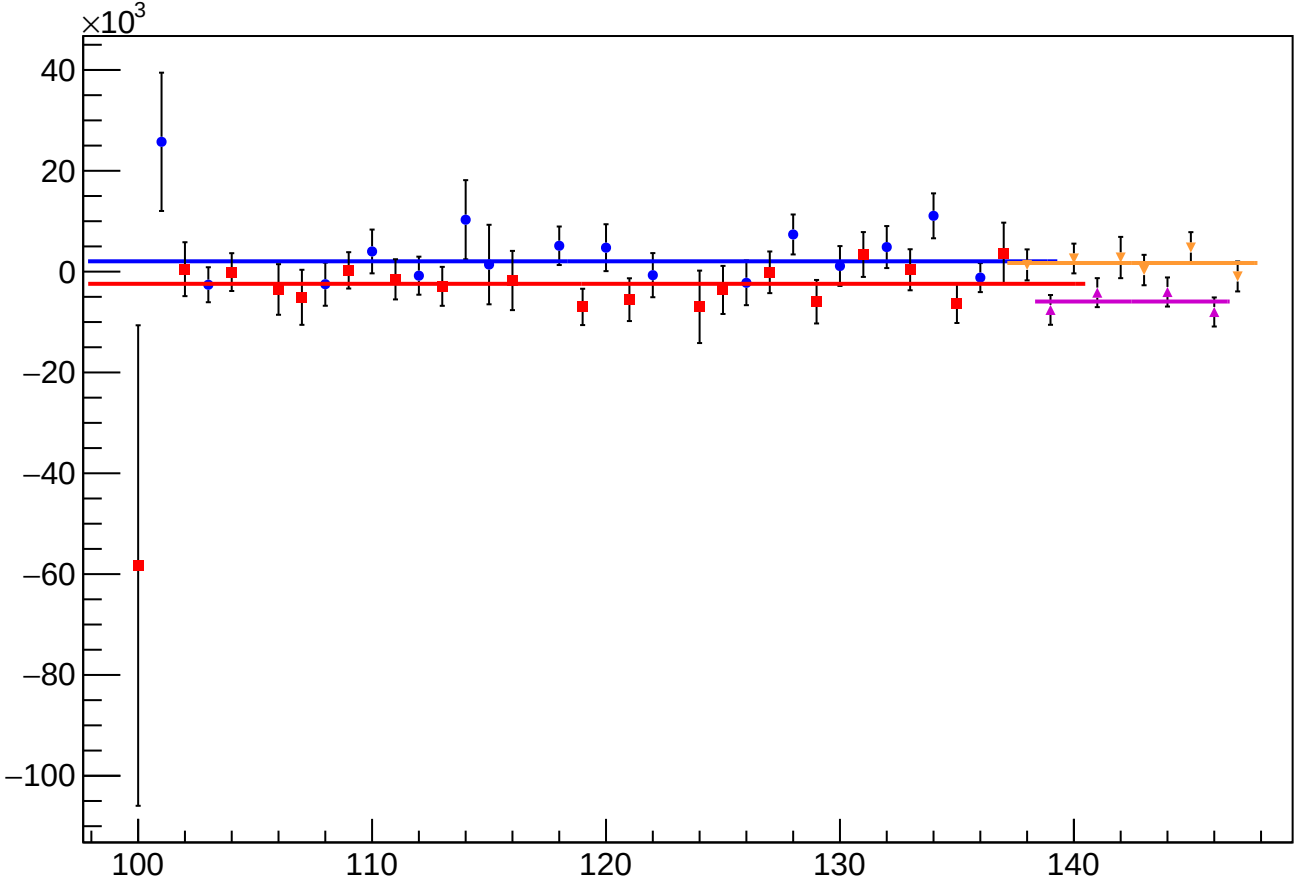
Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

+ sign 660.511+/-0.147 χ^2/NDF: 3050684.9/21

All: 634.632+/-0.102 χ^2/NDF: 5571299.6/44

- sign 610.817+/-0.141 χ^2/NDF: 2461156.2/22

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

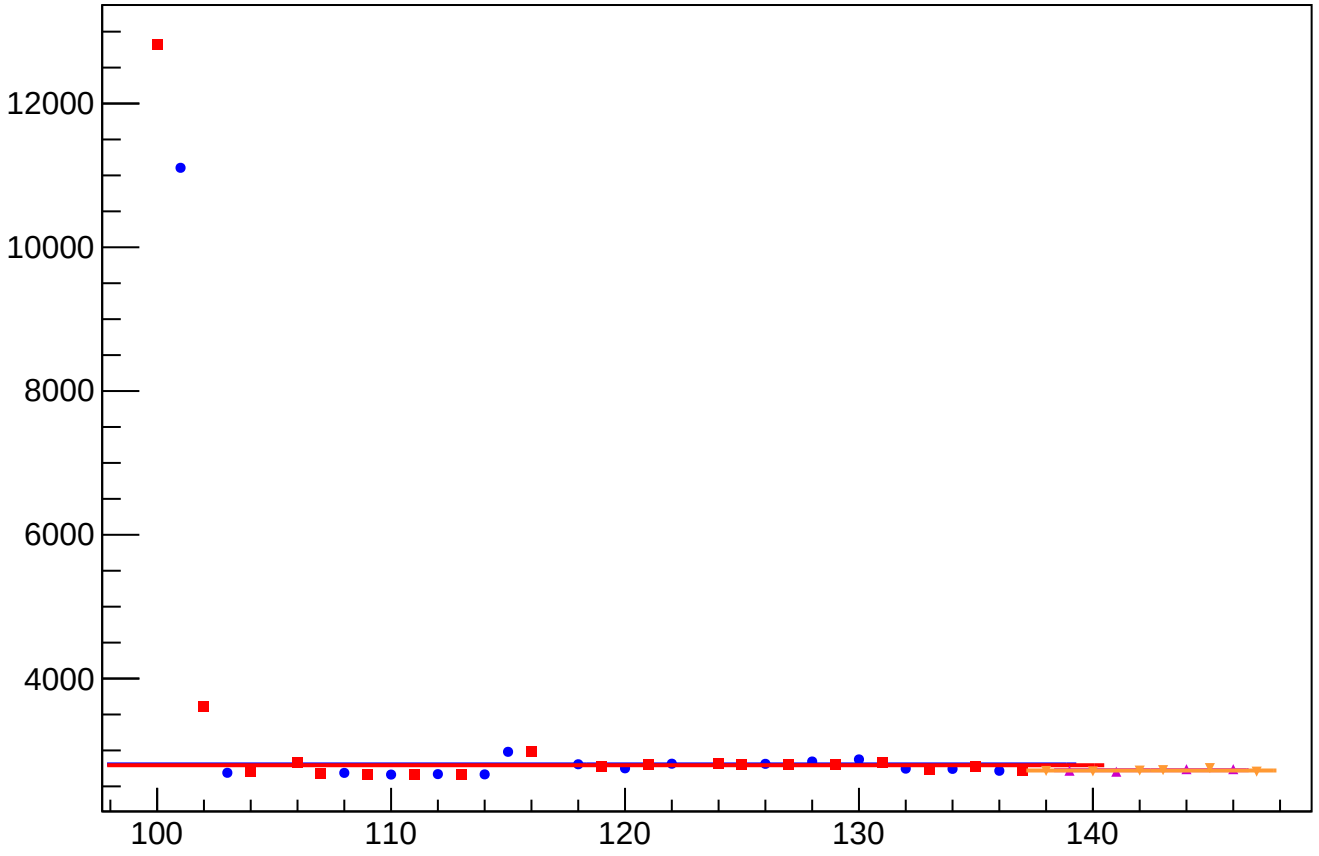
Left In: -5929.467+/-1449.731 χ^2/NDF:1.6/3

+ sign 1910.822+/-821.020 χ^2/NDF: 20.0/21

All: -772.674+/-588.470 χ^2/NDF: 58.3/44

- sign -3607.785+/-843.895 χ^2/NDF: 16.3/22

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

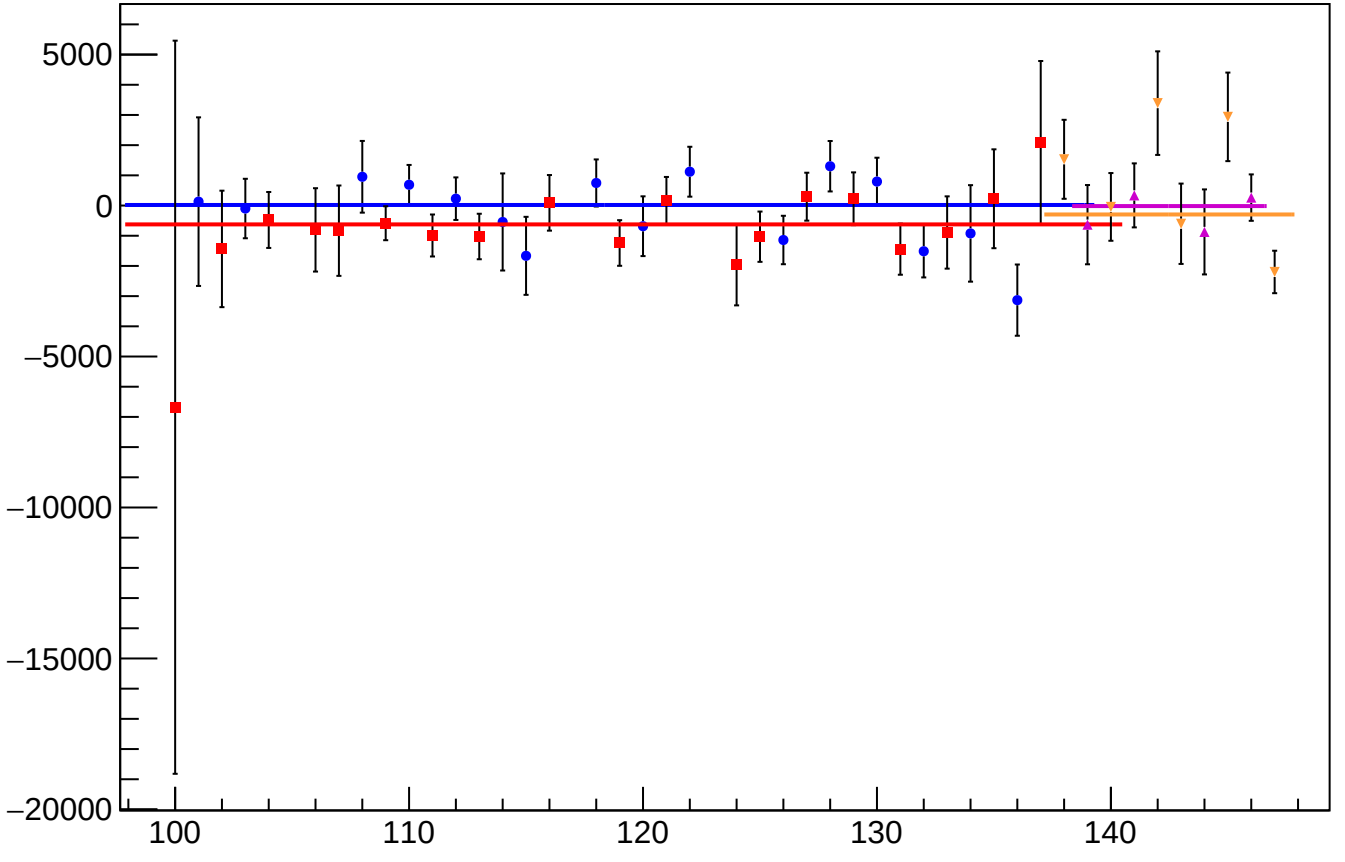
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2770.595+/-0.581 χ^2/NDF: 751732.9/21

All: 2770.724+/-0.416 χ^2/NDF: 901670.8/44

- sign 2770.860+/-0.597 χ^2/NDF: 149937.8/22

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

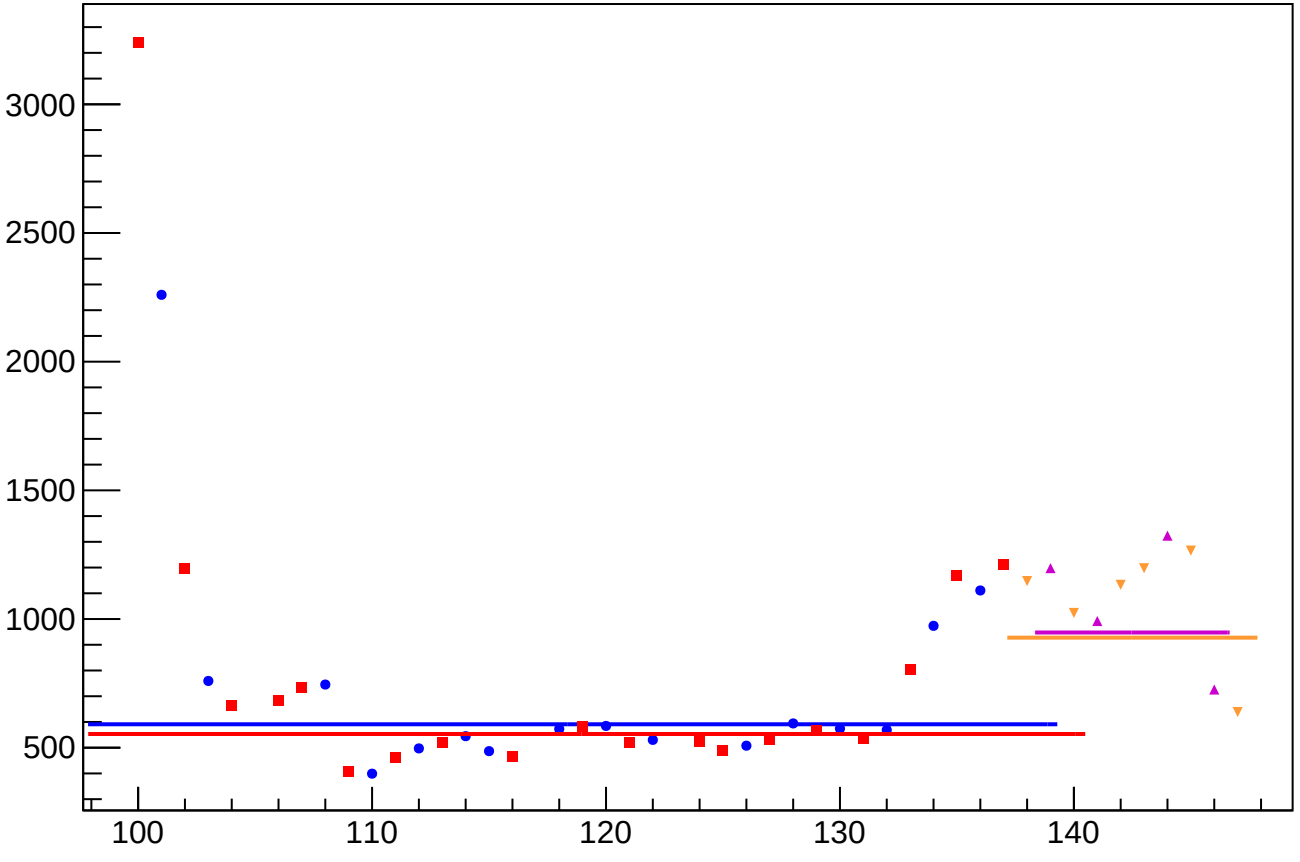
Left In: -17.305+/-522.167 χ^2/NDF:0.8/3

\+ sign -45.964+/-207.984 χ^2/NDF: 42.0/21

All: -300.953+/-143.981 χ^2/NDF: 56.0/44

\- sign -535.608+/-199.519 χ^2/NDF: 11.1/22

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

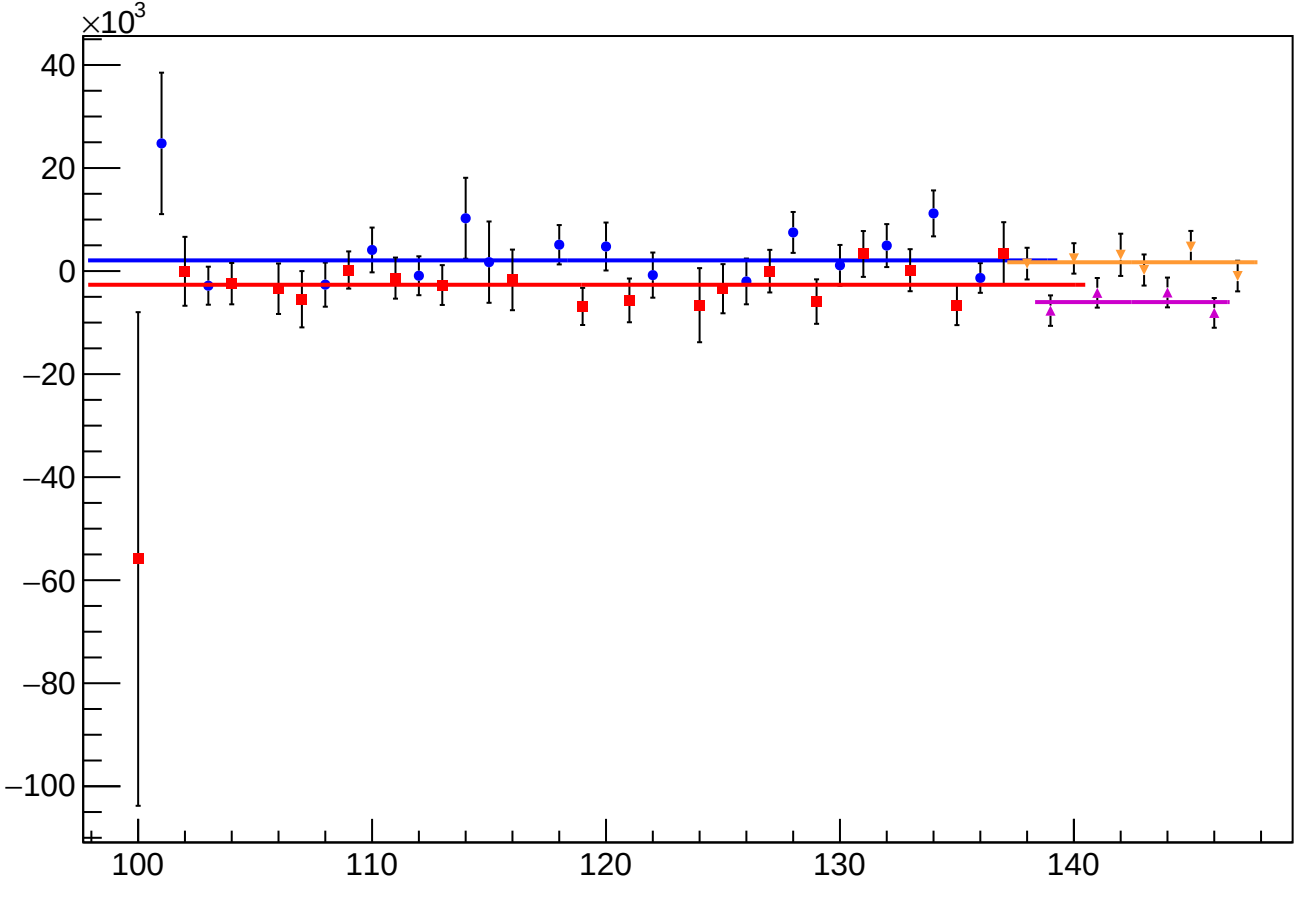
Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

+ sign 660.511+/-0.147 χ^2/NDF: 3050684.9/21

All: 634.632+/-0.102 χ^2/NDF: 5571299.6/44

- sign 610.817+/-0.141 χ^2/NDF: 2461156.2/22

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.404+/-1280.759 χ^2/NDF:2.2/5

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

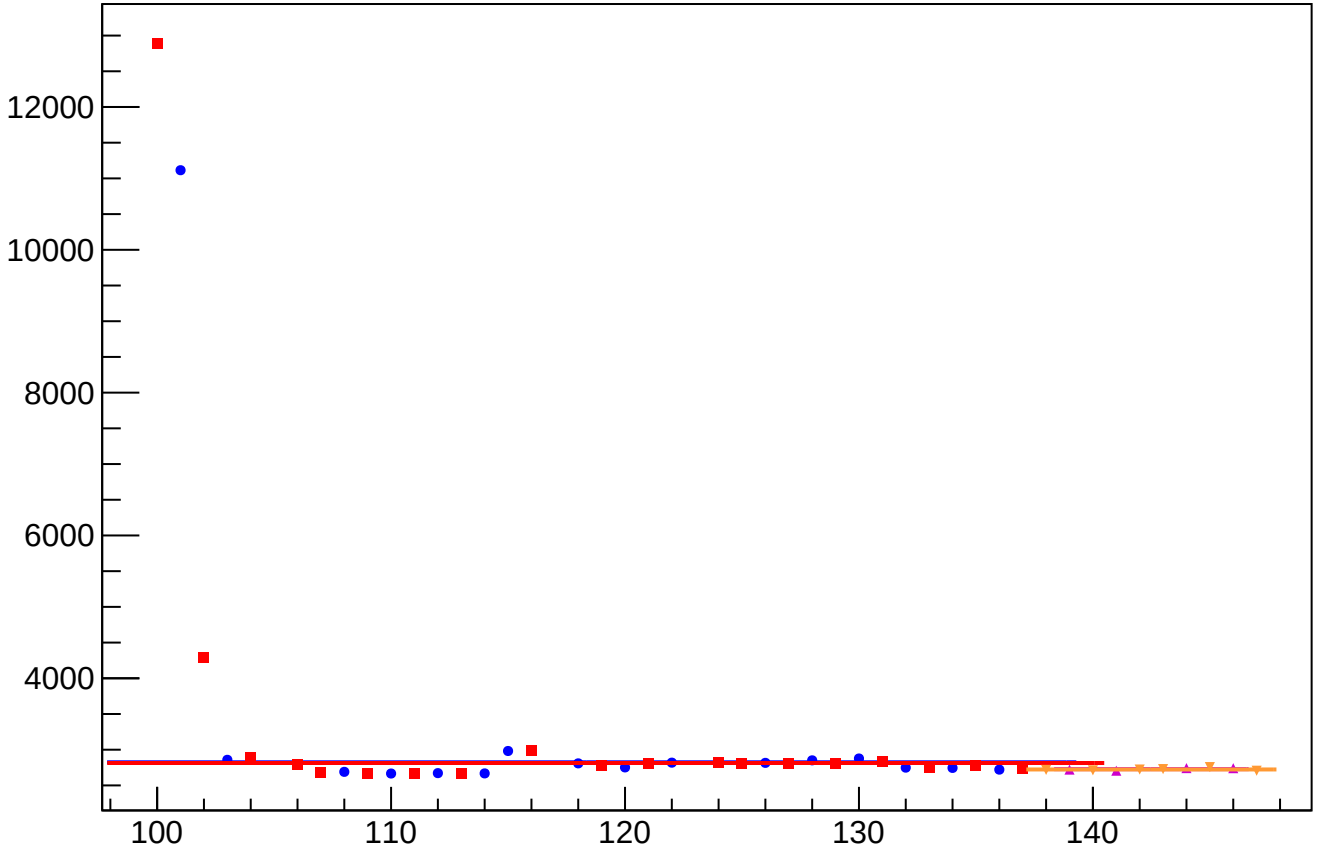
Left In: -6019.407+/-1451.078 χ^2/NDF:1.6/3

+ sign 1923.810+/-824.377 χ^2/NDF: 20.2/21

All: -854.620+/-591.972 χ^2/NDF: 58.7/44

- sign -3812.527+/-850.586 χ^2/NDF: 15.1/22

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

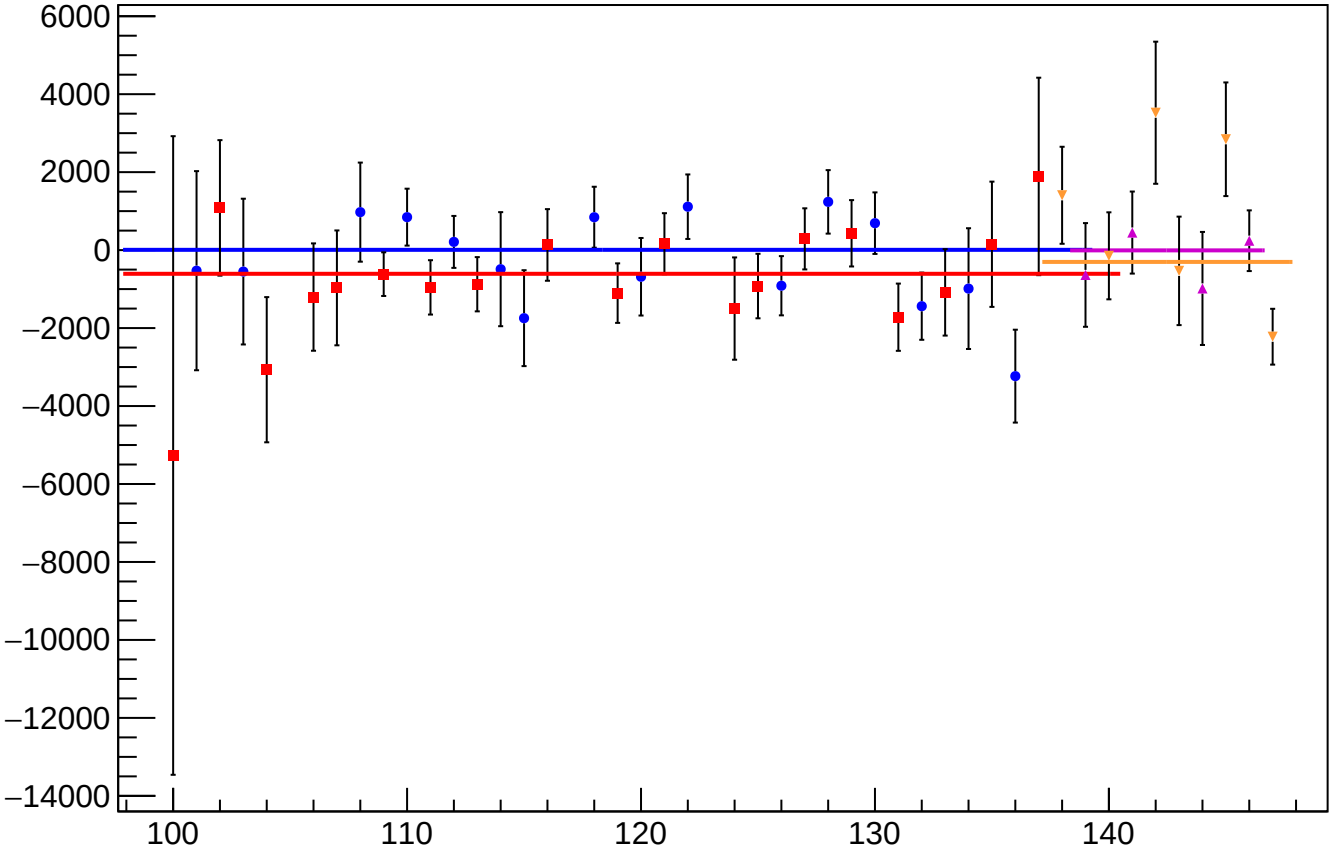
Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

+ sign 2781.926+/-0.583 χ^2/NDF: 751443.3/21

All: 2783.076+/-0.419 χ^2/NDF: 956782.7/44

- sign 2784.301+/-0.601 χ^2/NDF: 205331.3/22

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

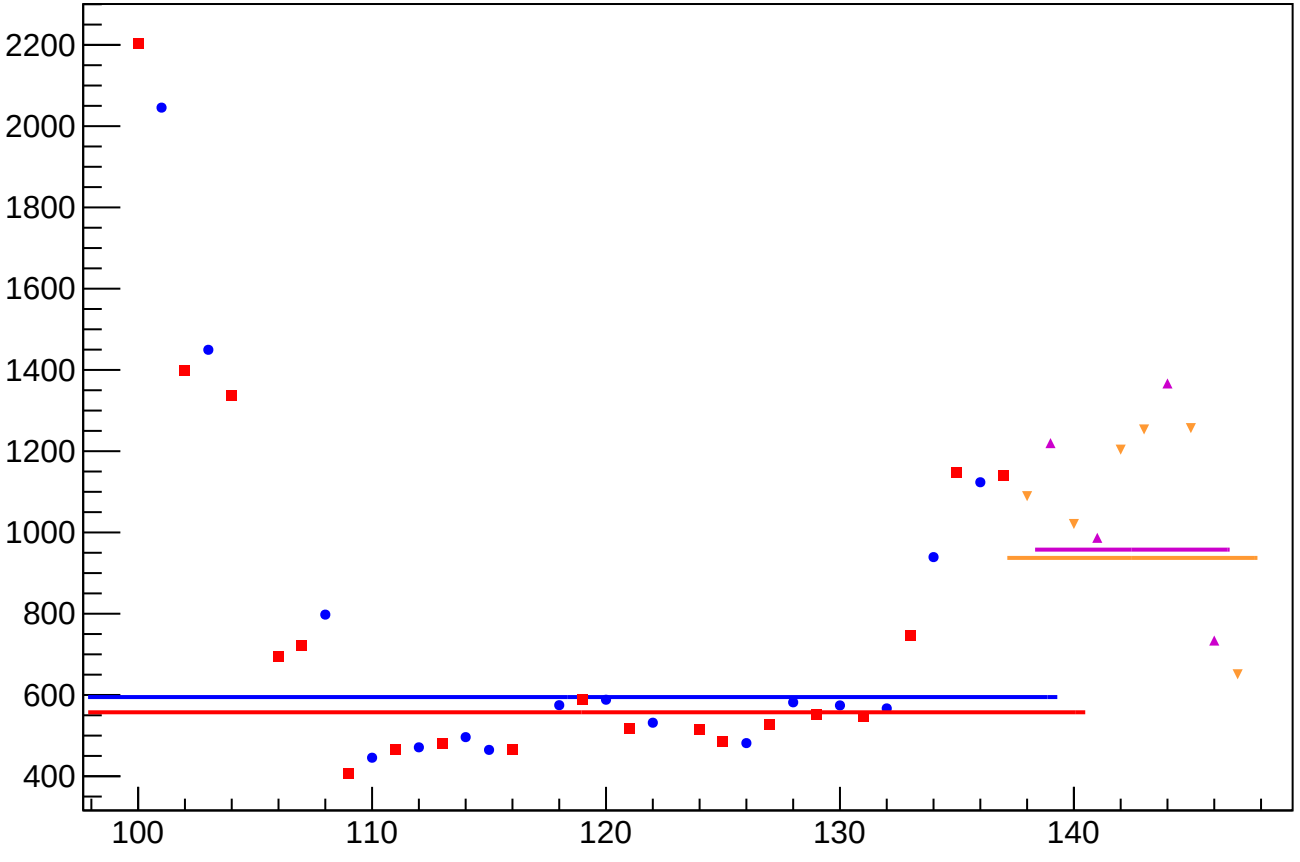
Left In: -6.778+/-527.554 χ^2/NDF:1.0/3

+ sign -57.733+/-211.180 χ^2/NDF: 41.3/21

All: -300.883+/-145.503 χ^2/NDF: 58.1/44

- sign -520.631+/-200.760 χ^2/NDF: 14.2/22

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 937.363+/-0.327 χ^2/NDF:603180.9/5

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

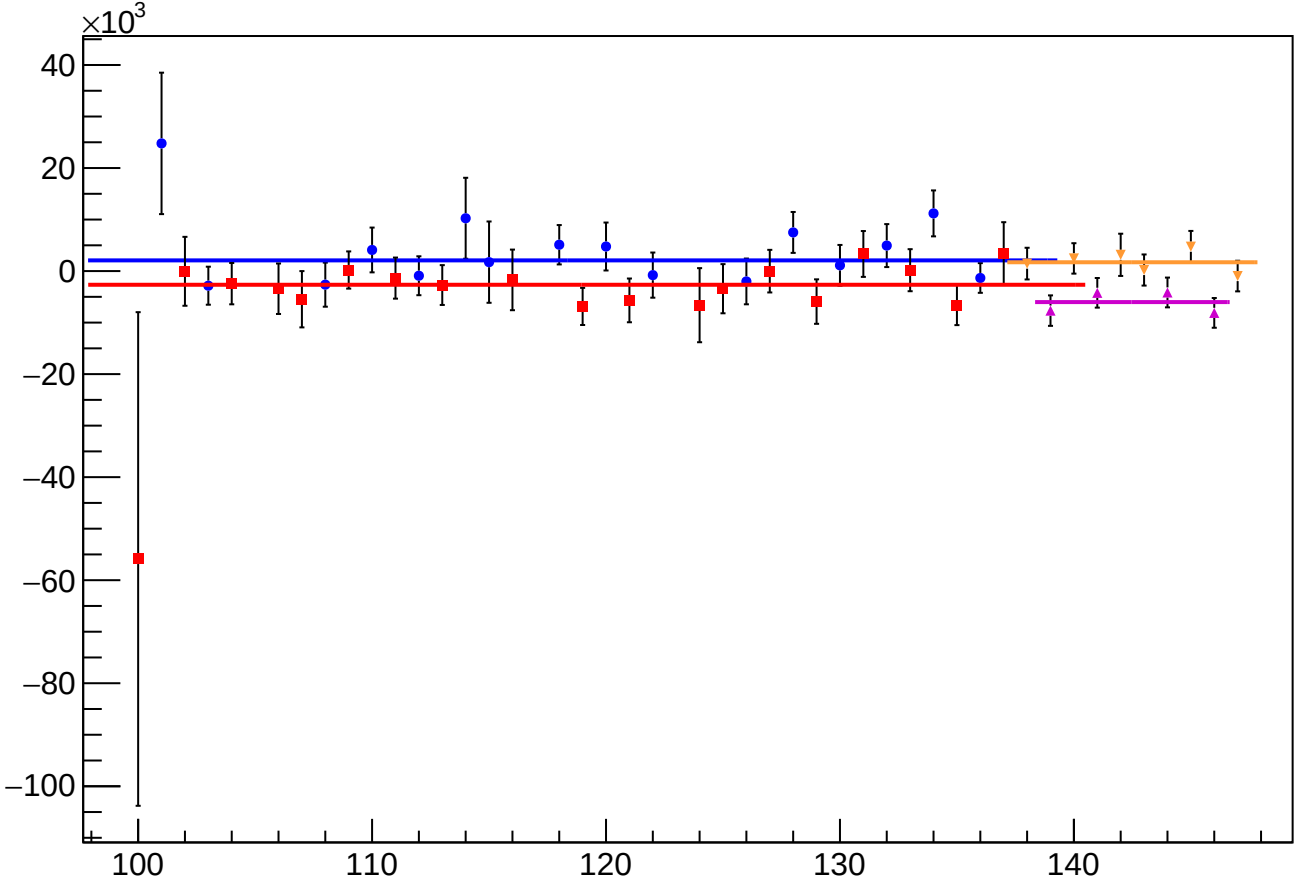
Left In: 957.738+/-0.373 χ^2/NDF:403529.9/3

+ sign 666.463+/-0.149 χ^2/NDF: 3325759.6/21

All: 639.627+/-0.103 χ^2/NDF: 6407038.9/44

- sign 615.373+/-0.142 χ^2/NDF: 3019791.0/22

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.406+/-1280.759 χ^2/NDF:2.2/5

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

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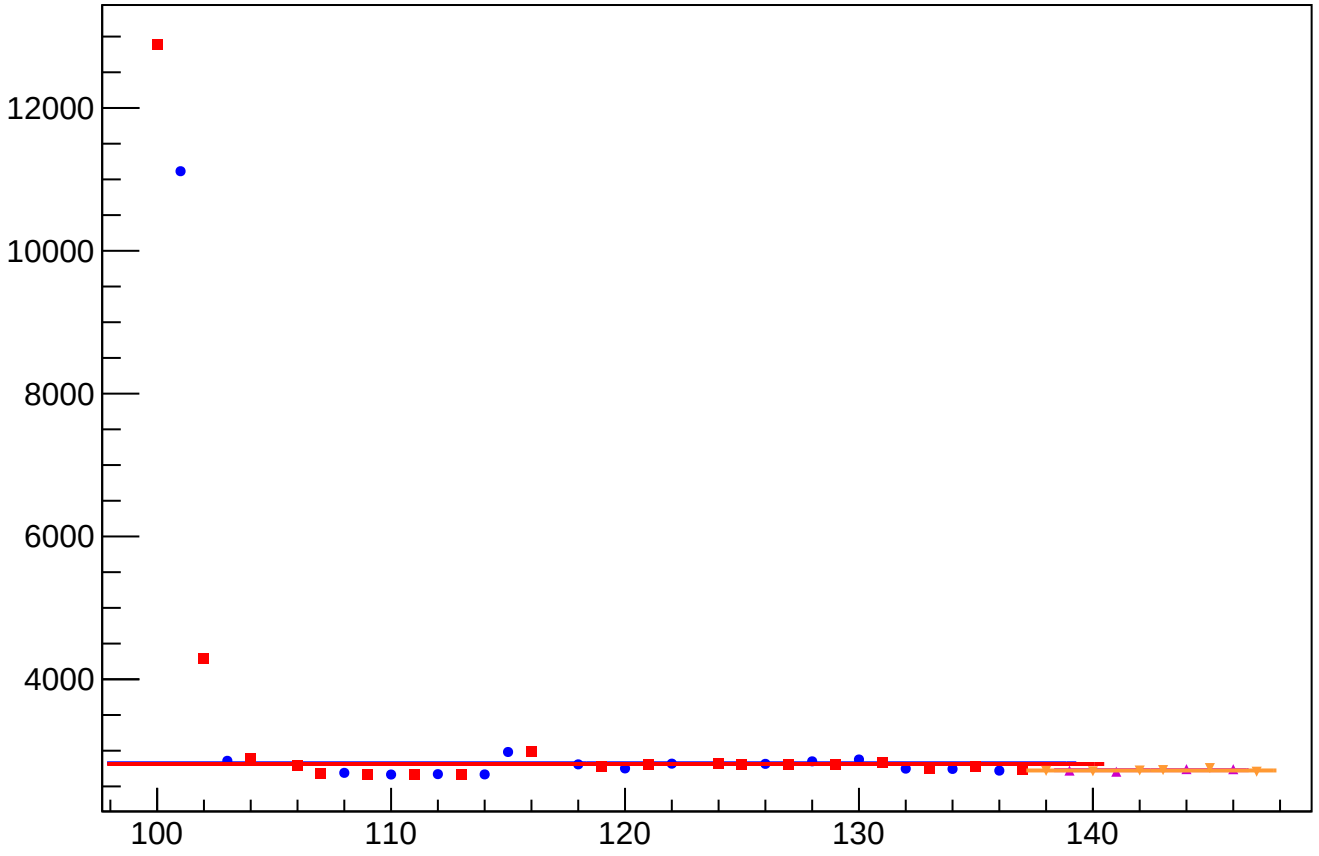
+ sign 1923.811+/-824.377 χ^2/NDF: 20.2/21

All: -854.620+/-591.972 χ^2/NDF: 58.7/44

- sign -3812.526+/-850.586 χ^2/NDF: 15.1/22

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

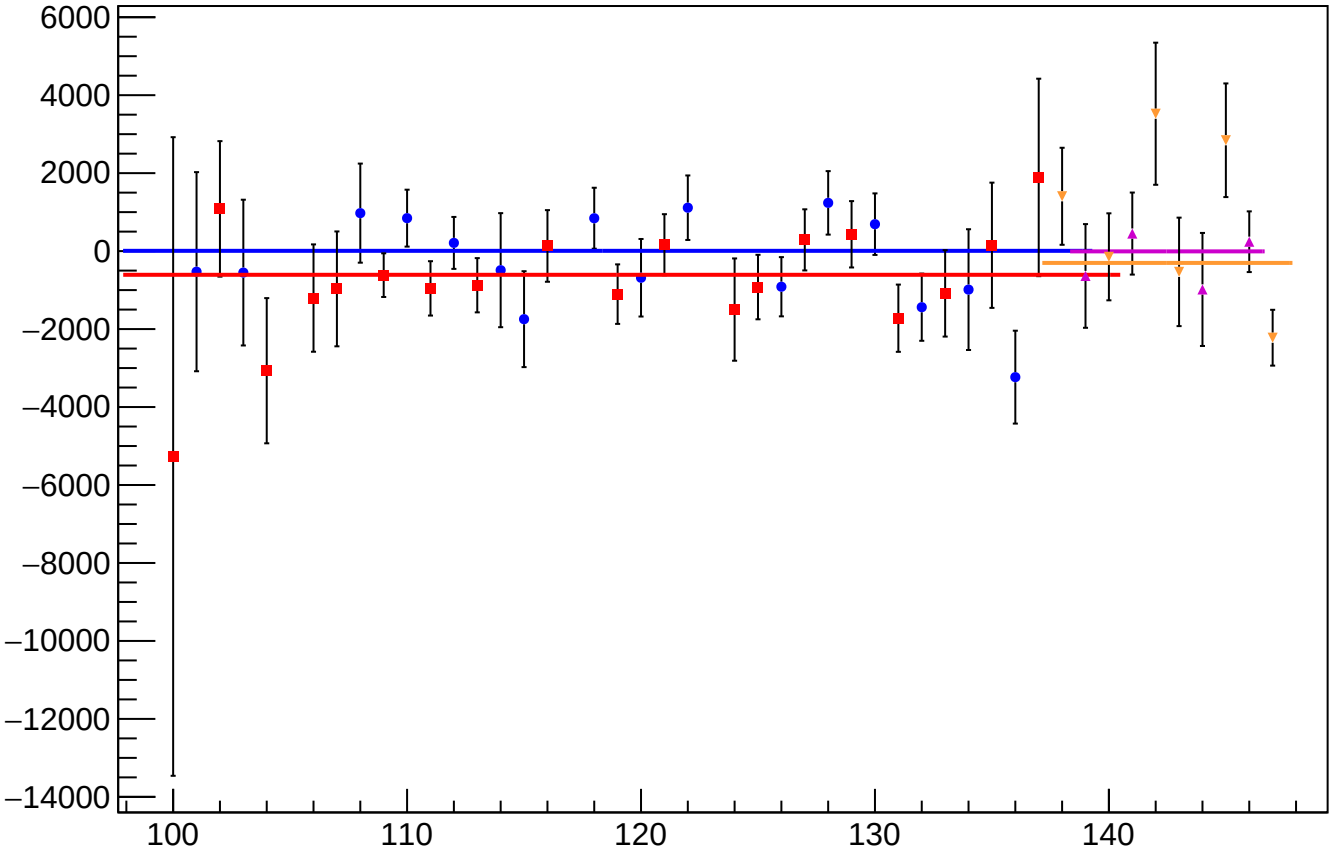
Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

+ sign 2781.926+/-0.583 χ^2/NDF: 751443.3/21

All: 2783.076+/-0.419 χ^2/NDF: 956782.4/44

- sign 2784.301+/-0.601 χ^2/NDF: 205331.1/22

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

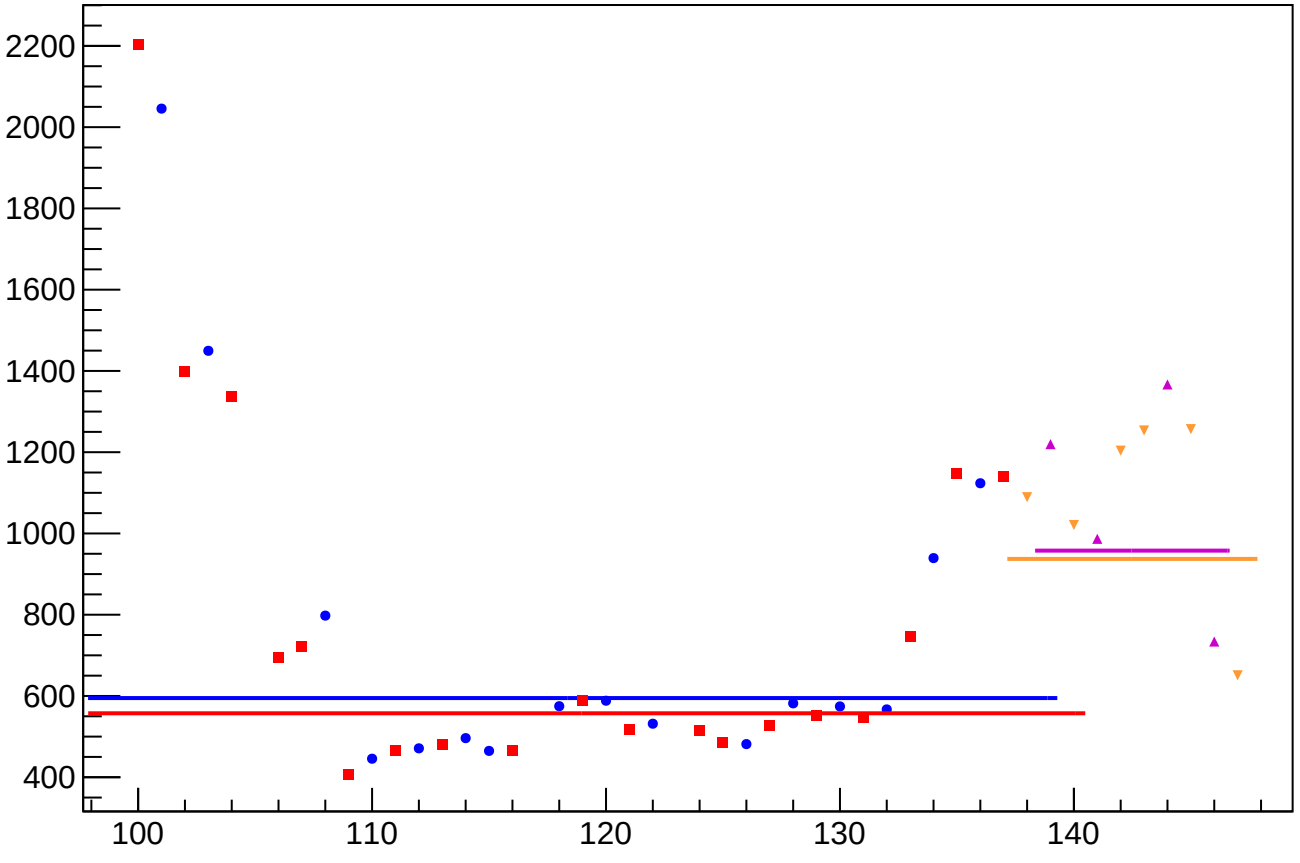
Left In: -6.778+/-527.555 χ^2/NDF:1.0/3

+ sign -57.732+/-211.180 χ^2/NDF: 41.3/21

All: -300.883+/-145.503 χ^2/NDF: 58.1/44

- sign -520.631+/-200.760 χ^2/NDF: 14.2/22

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 937.363+/-0.327 χ^2/NDF:603181.9/5

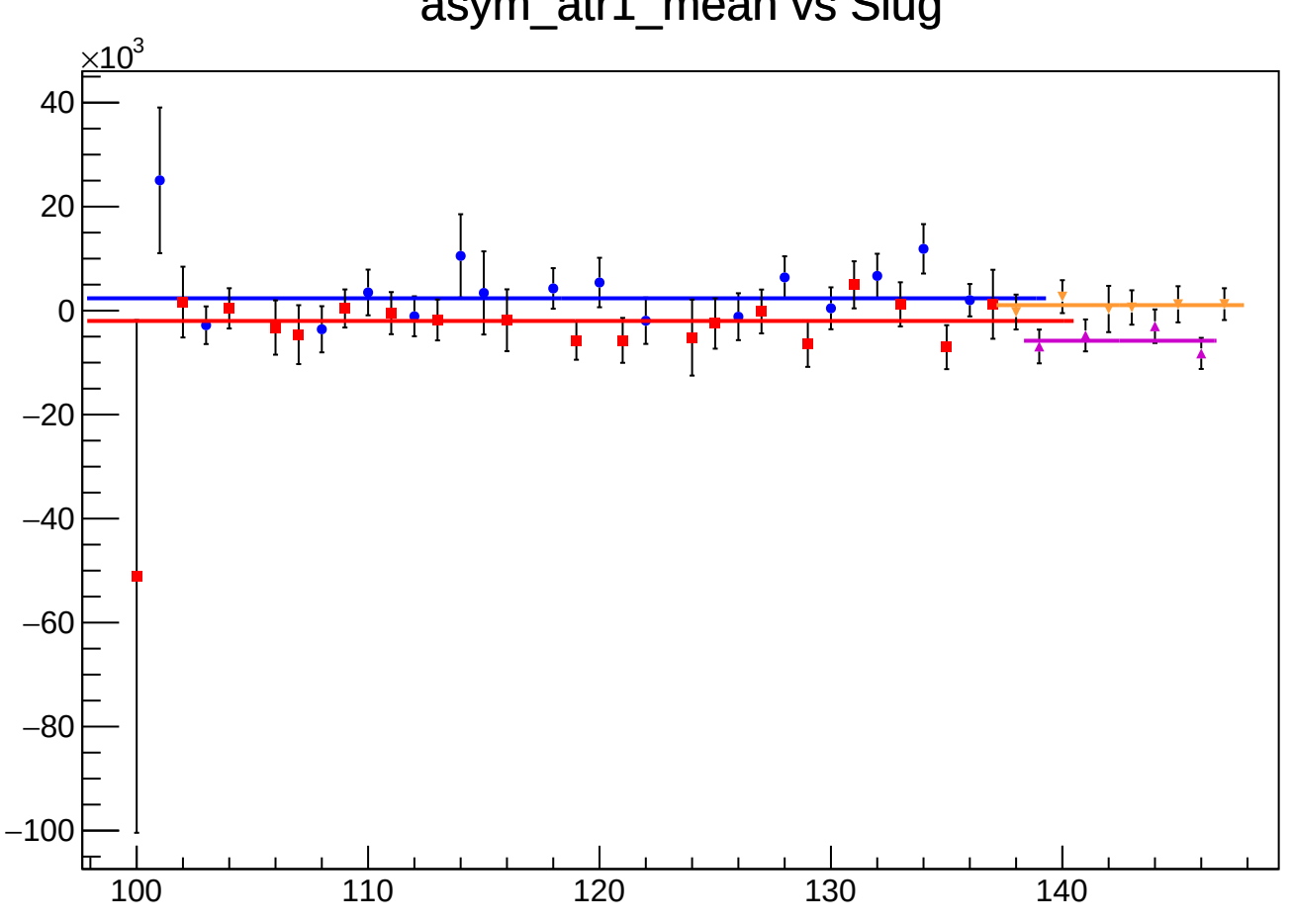
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 957.739+/-0.373 χ^2/NDF:403529.7/3

+ sign 666.464+/-0.149 χ^2/NDF: 3325754.4/21

All: 639.627+/-0.103 χ^2/NDF: 6407032.8/44

- sign 615.373+/-0.142 χ^2/NDF: 3019789.6/22



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1053.888+/-1385.620 χ^2/NDF:0.5/5

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

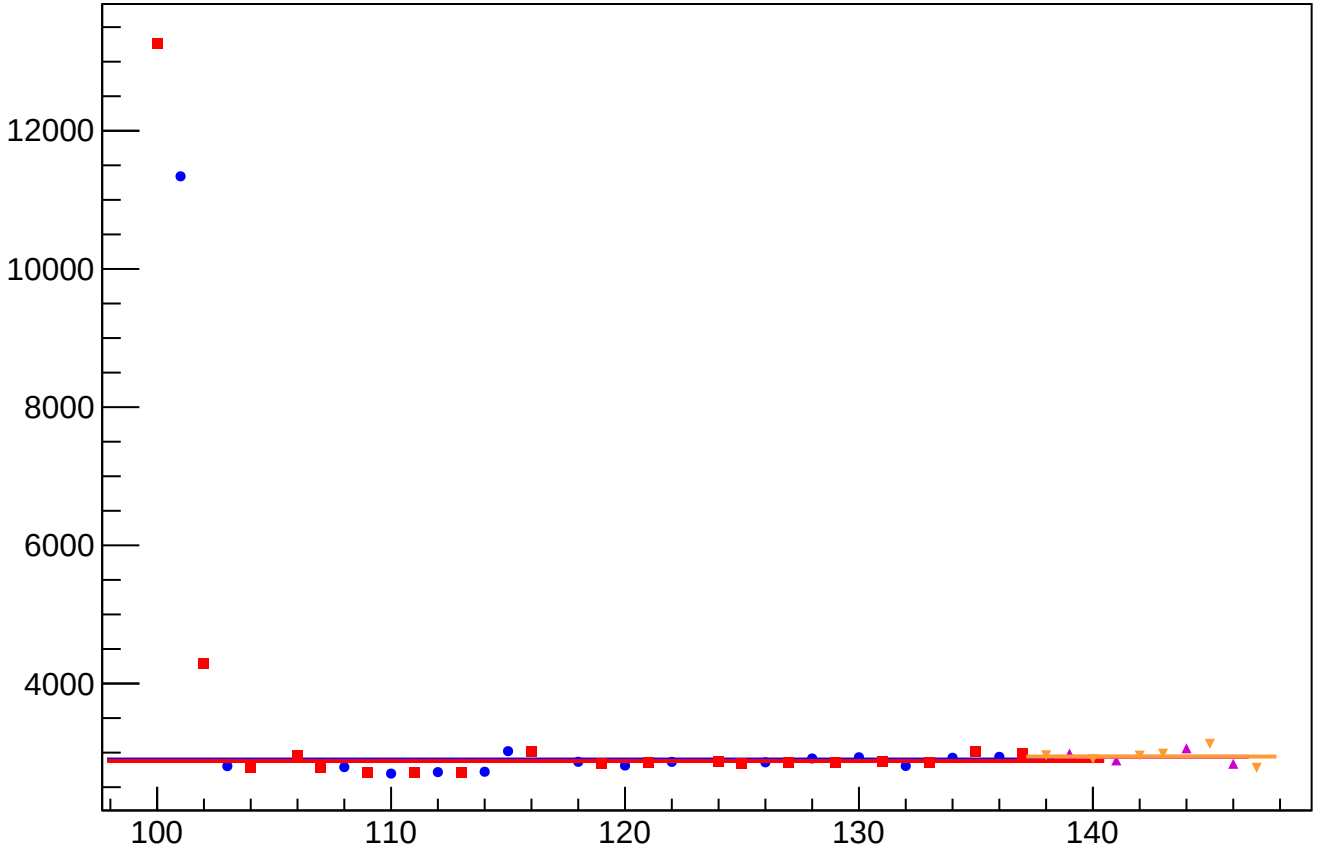
Left In: -5794.825+/-1564.233 χ^2/NDF:1.6/3

+ sign 1855.965+/-864.497 χ^2/NDF: 17.9/21

All: -613.951+/-618.797 χ^2/NDF: 50.6/44

- sign -3209.012+/-886.127 χ^2/NDF: 16.0/22

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2943.171+/-0.980 χ^2/NDF:11959.7/5

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

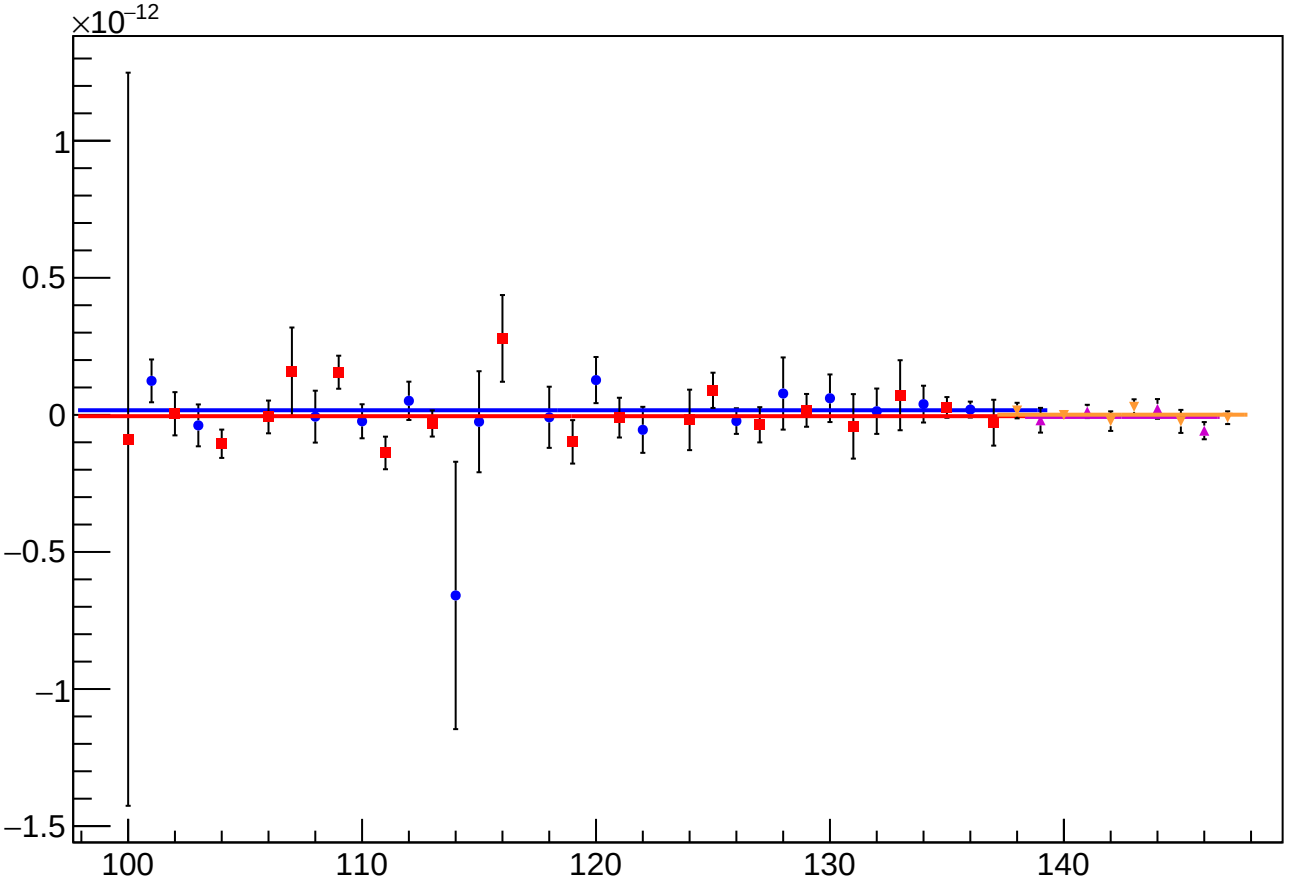
Left In: 2938.671+/-1.106 χ^2/NDF:6161.6/3

+ sign 2916.699+/-0.611 χ^2/NDF: 754973.1/21

All: 2907.639+/-0.438 χ^2/NDF: 956846.9/44

- sign 2898.120+/-0.627 χ^2/NDF: 201423.4/22

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:2.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

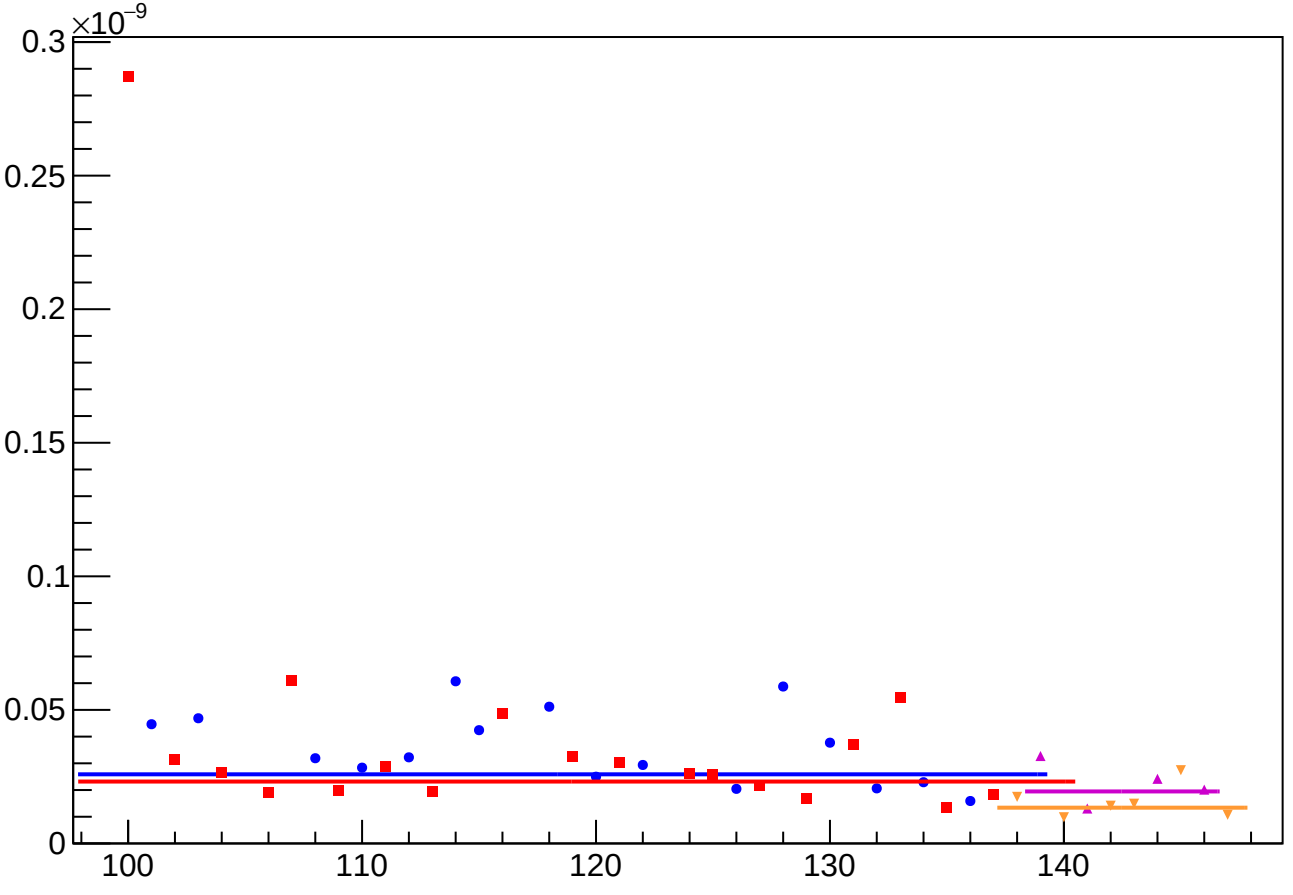
Left In: -0.000+/-0.000 χ^2/NDF:4.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/21

All: 0.000+/-0.000 χ^2/NDF: 42.2/44

- sign -0.000+/-0.000 χ^2/NDF: 29.7/22

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:372568.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

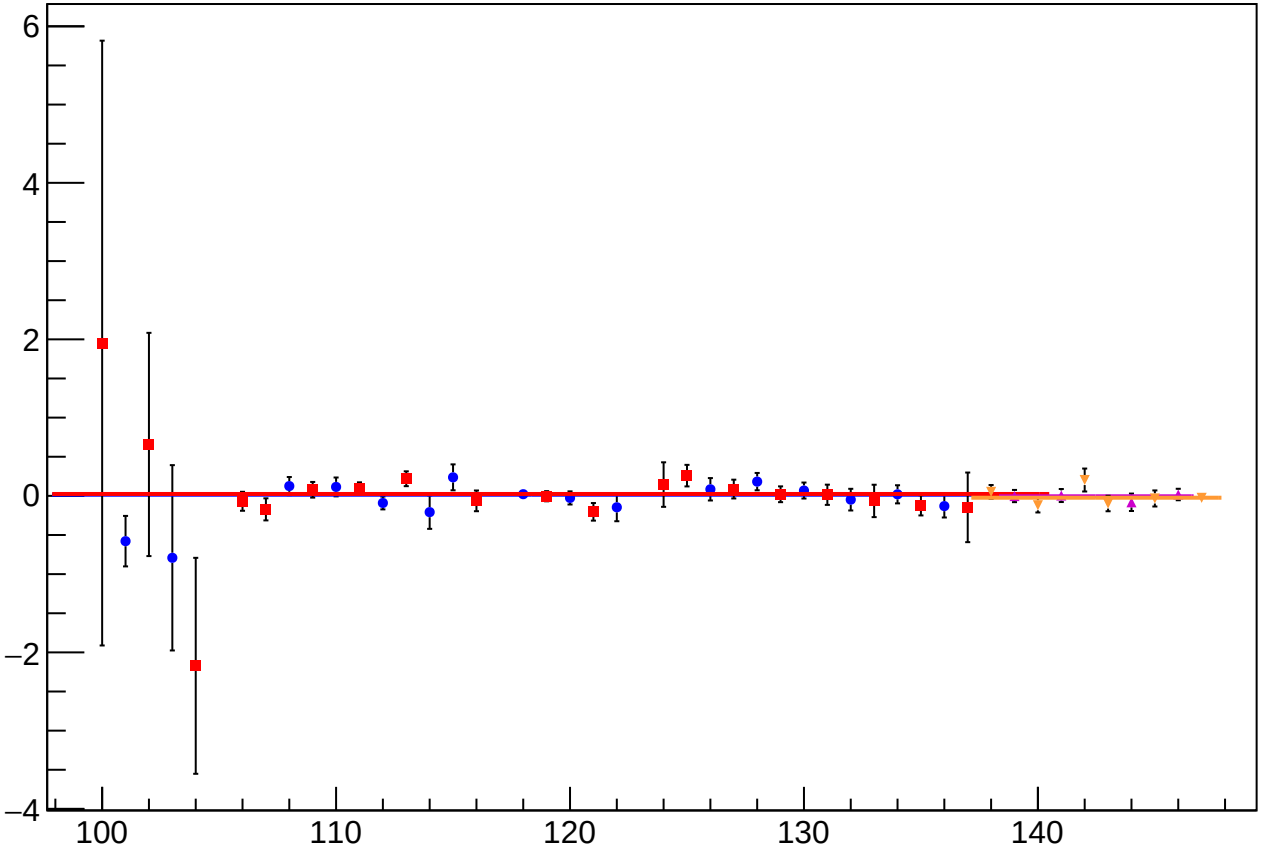
Left In: 0.000+/-0.000 χ^2/NDF:347574.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 2019076.9/21

All: 0.000+/-0.000 χ^2/NDF: 3294953.6/44

- sign 0.000+/-0.000 χ^2/NDF: 1091602.8/22

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

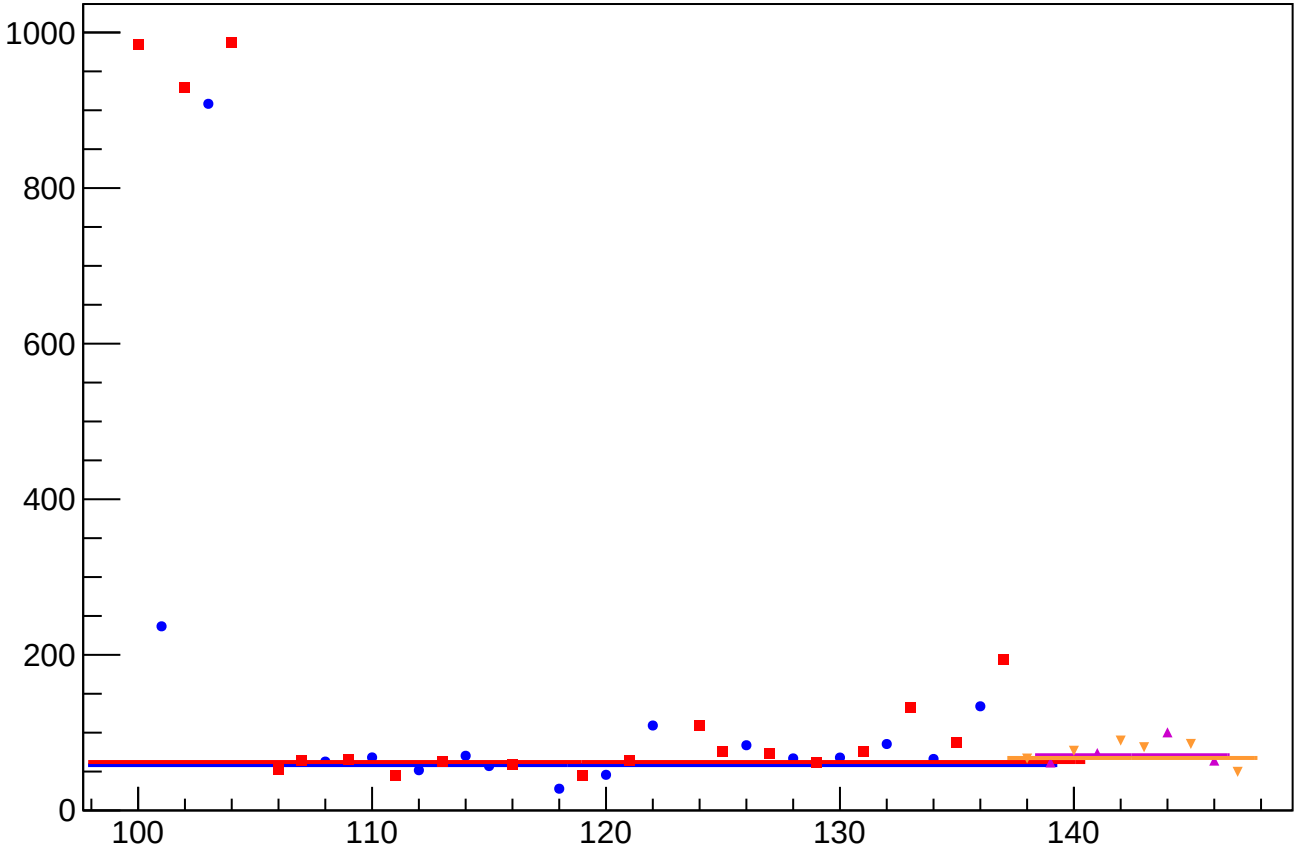
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.007+/-0.016 χ^2/NDF: 42.5/44

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

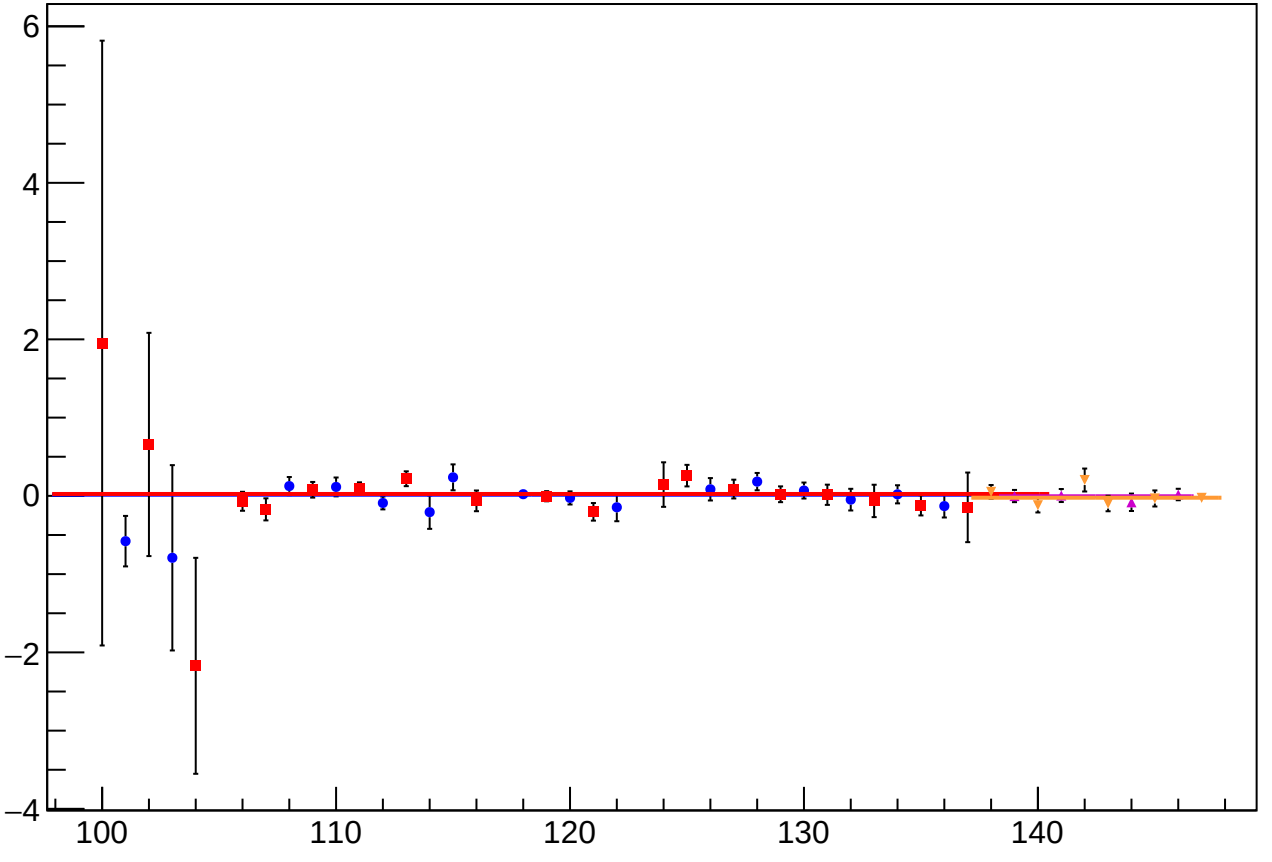
Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

+ sign 61.759+/-0.016 χ^2/NDF: 3692397.5/21

All: 63.262+/-0.011 χ^2/NDF: 6587359.4/44

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

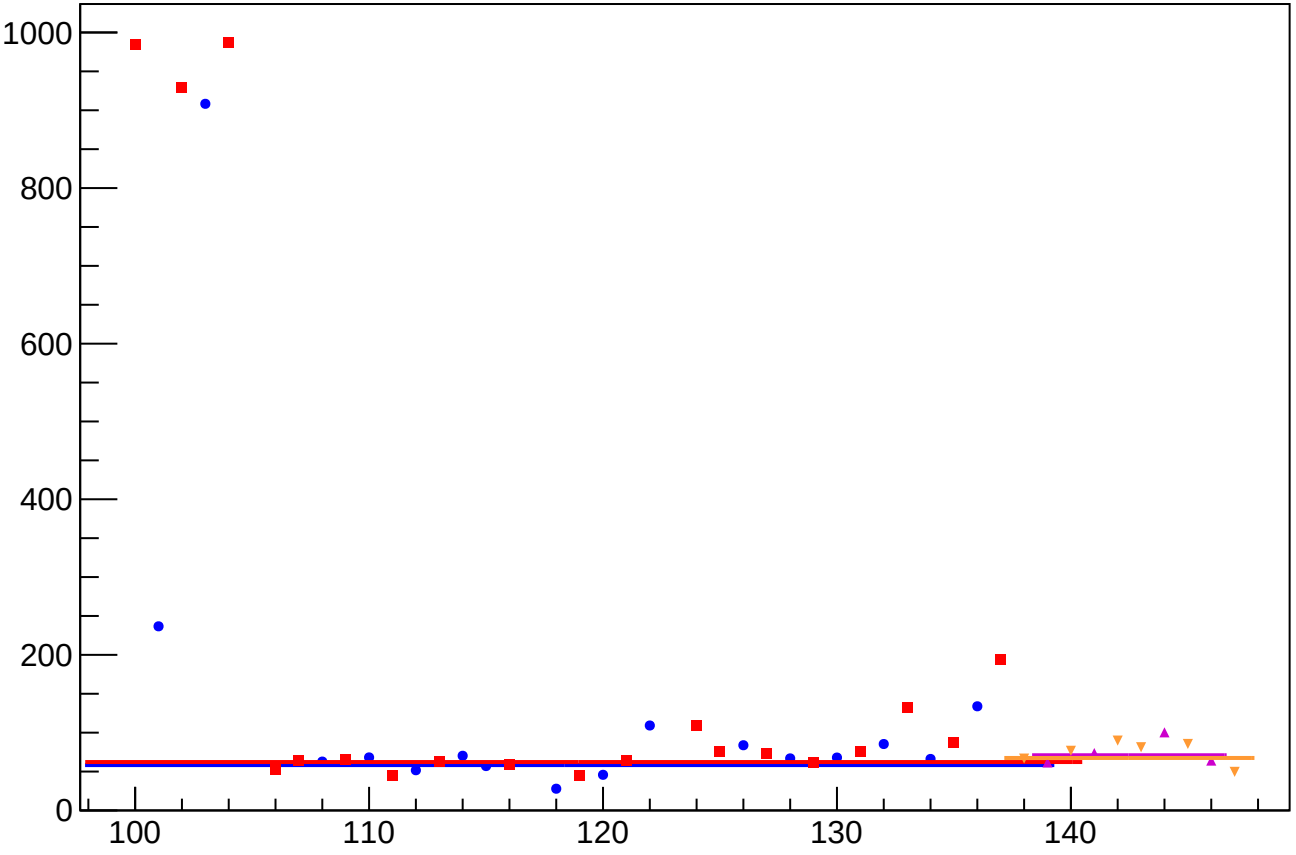
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.007+/-0.016 χ^2/NDF: 42.5/44

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

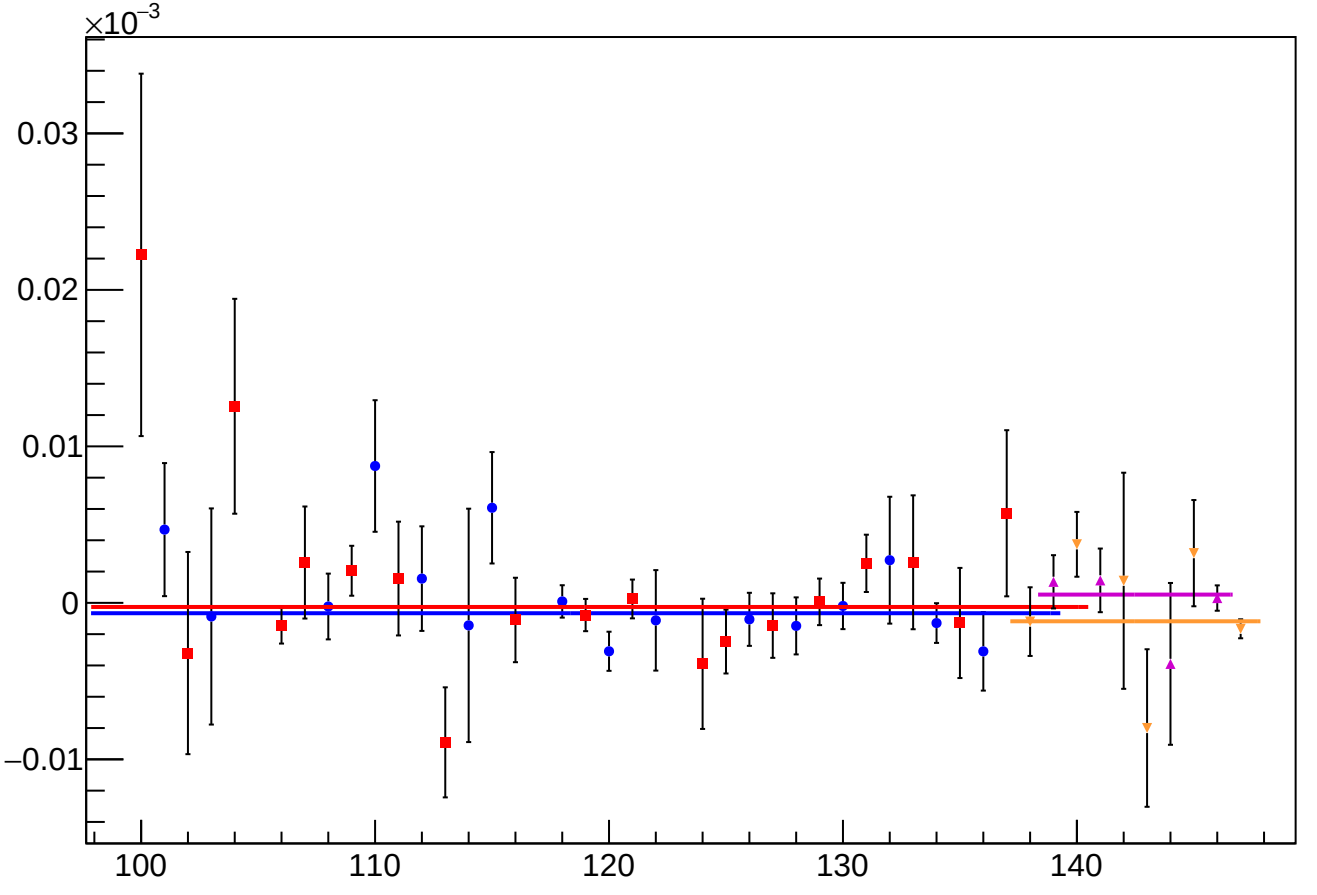
Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

+ sign 61.759+/-0.016 χ^2/NDF: 3692397.5/21

All: 63.262+/-0.011 χ^2/NDF: 6587359.4/44

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

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:9.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

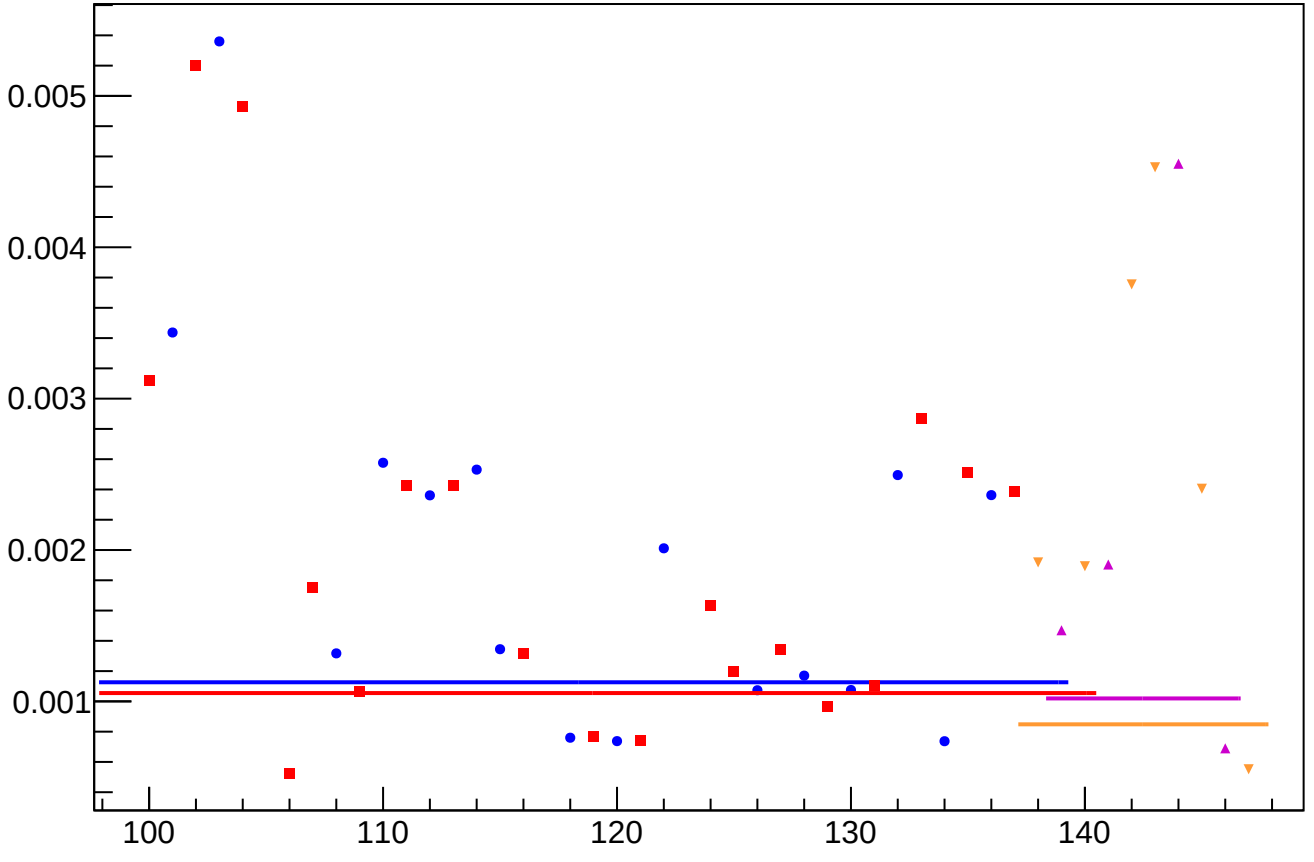
Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/21

All: -0.000+/-0.000 χ^2/NDF: 57.1/44

- sign -0.000+/-0.000 χ^2/NDF: 26.7/22

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:3306171.6/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

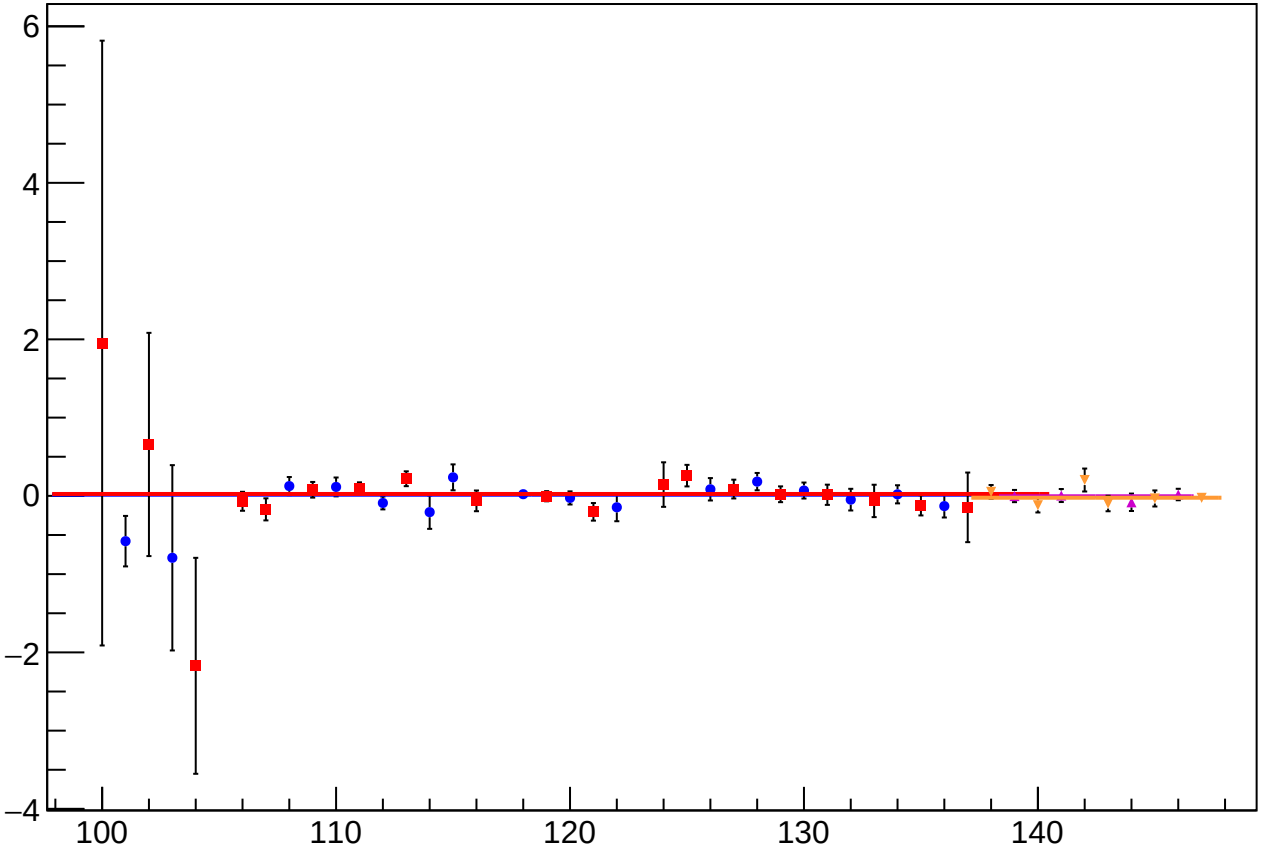
Left In: 0.001+/-0.000 χ^2/NDF:1782665.1/3

+ sign 0.001+/-0.000 χ^2/NDF: 7043656.6/21

All: 0.001+/-0.000 χ^2/NDF: 12690155.5/44

- sign 0.001+/-0.000 χ^2/NDF: 5634871.3/22

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

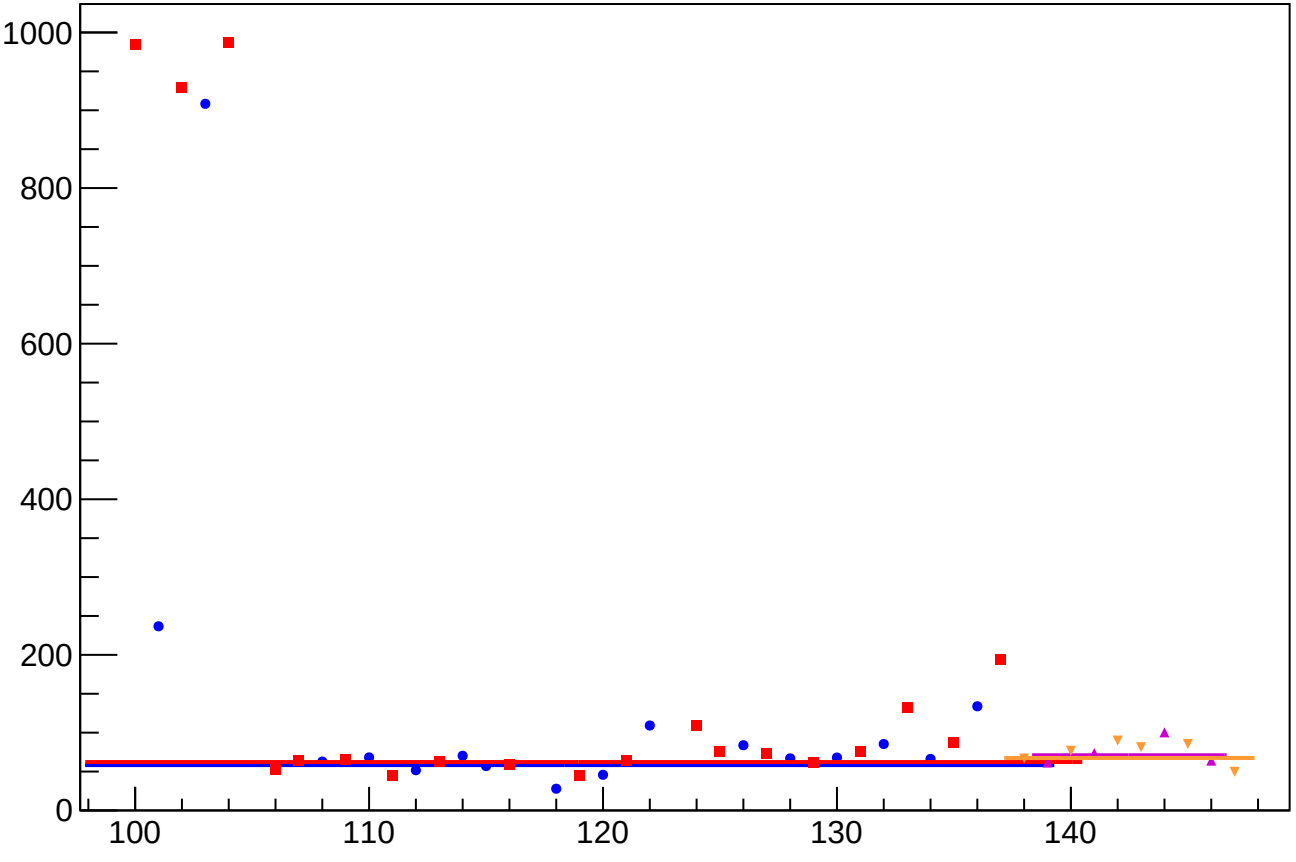
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.007+/-0.016 χ^2/NDF: 42.5/44

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 67.467+/-0.025 χ^2/NDF:350532.1/5

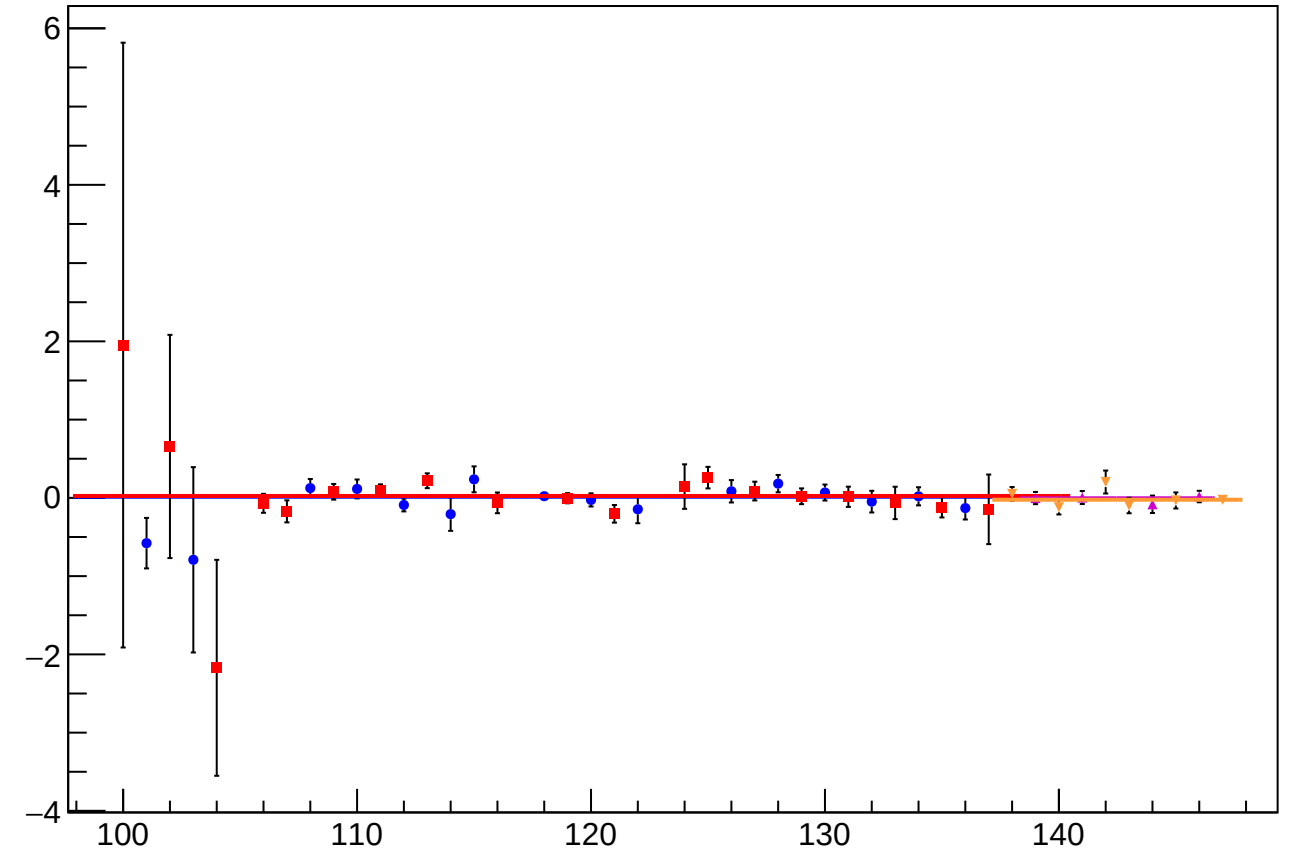
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

+ sign 61.758+/-0.016 χ^2/NDF: 3692478.3/21

All: 63.262+/-0.011 χ^2/NDF: 6587449.2/44

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

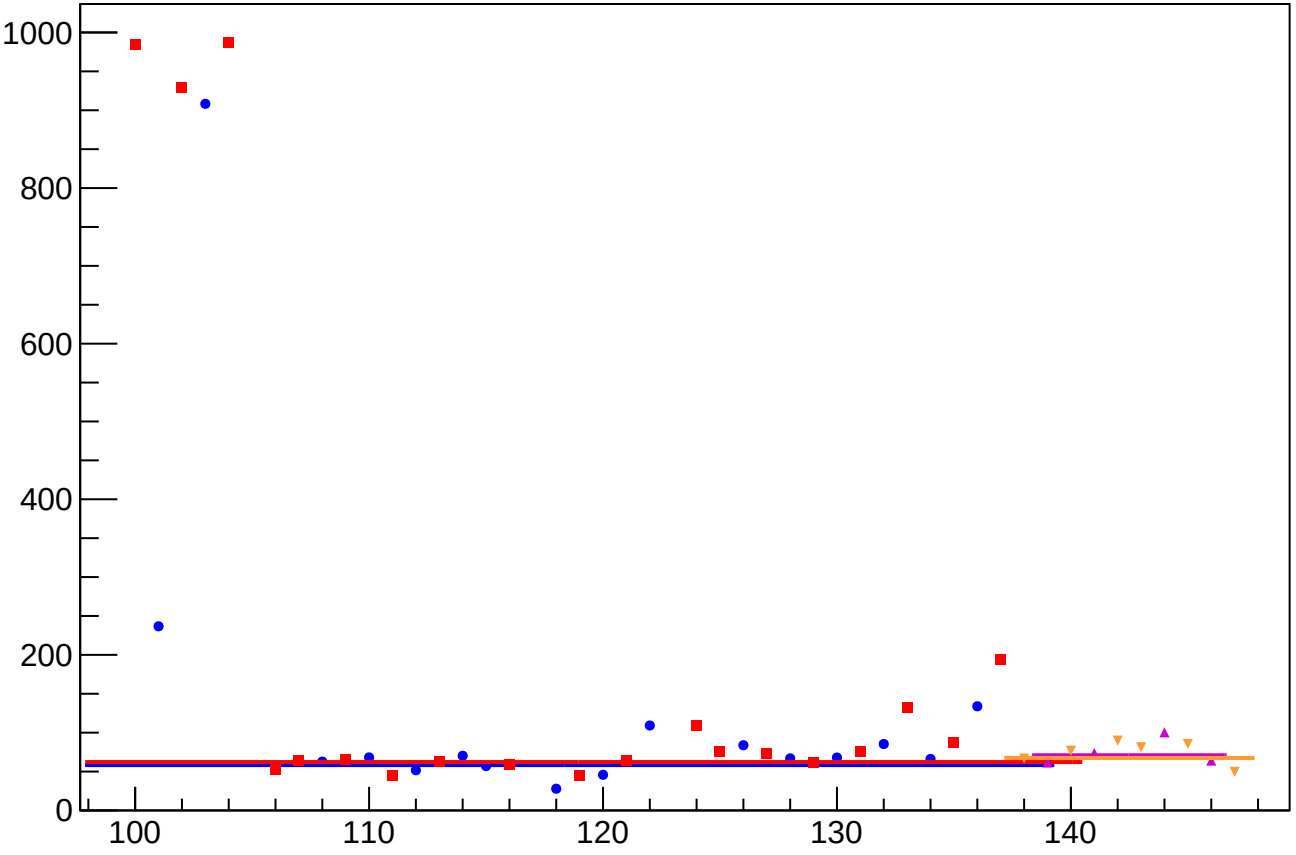
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.007+/-0.016 χ^2/NDF: 42.5/44

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

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: 67.467+/-0.025 χ^2/NDF:350532.1/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

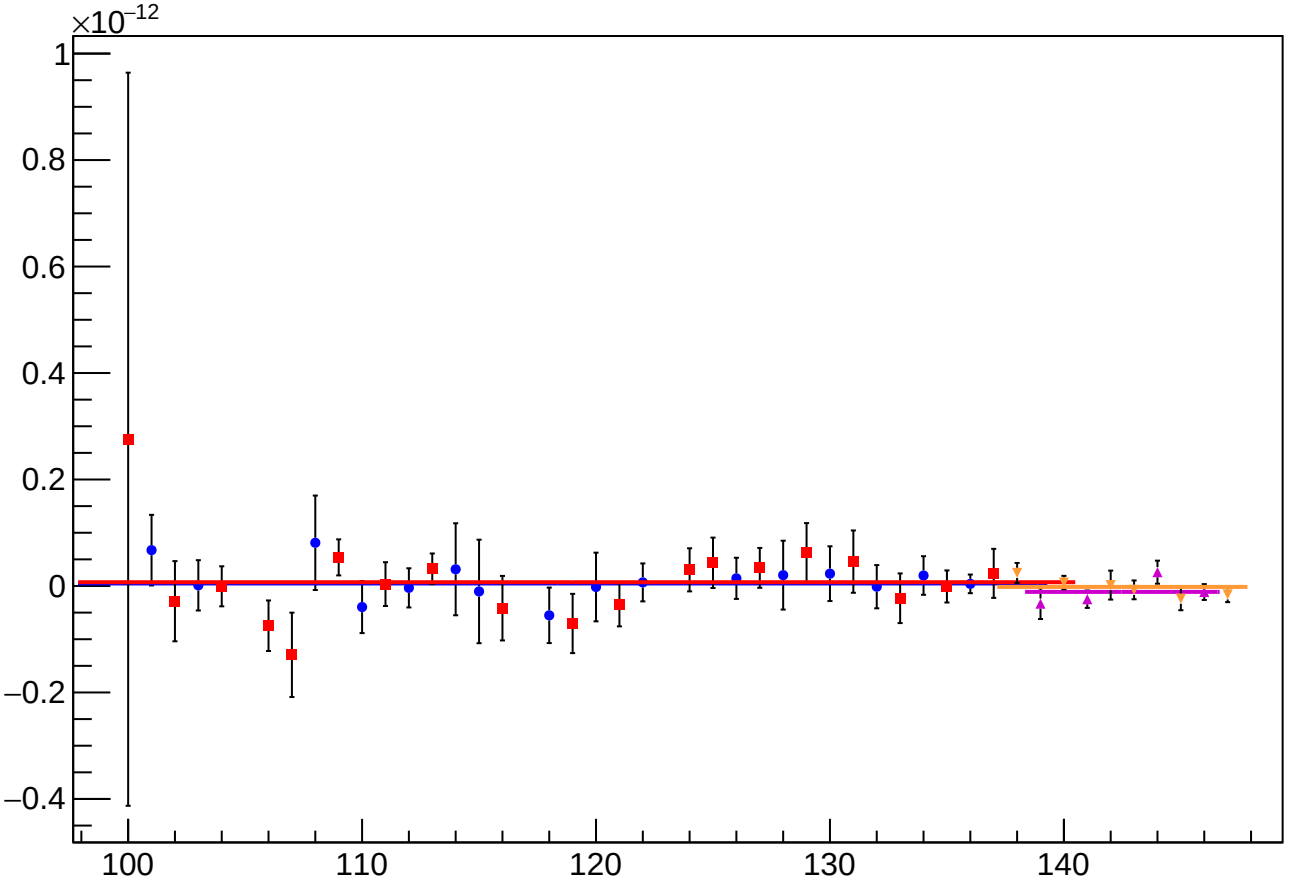
Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

+ sign 61.758+/-0.016 χ^2/NDF: 3692478.3/21

All: 63.262+/-0.011 χ^2/NDF: 6587449.2/44

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

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:4.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

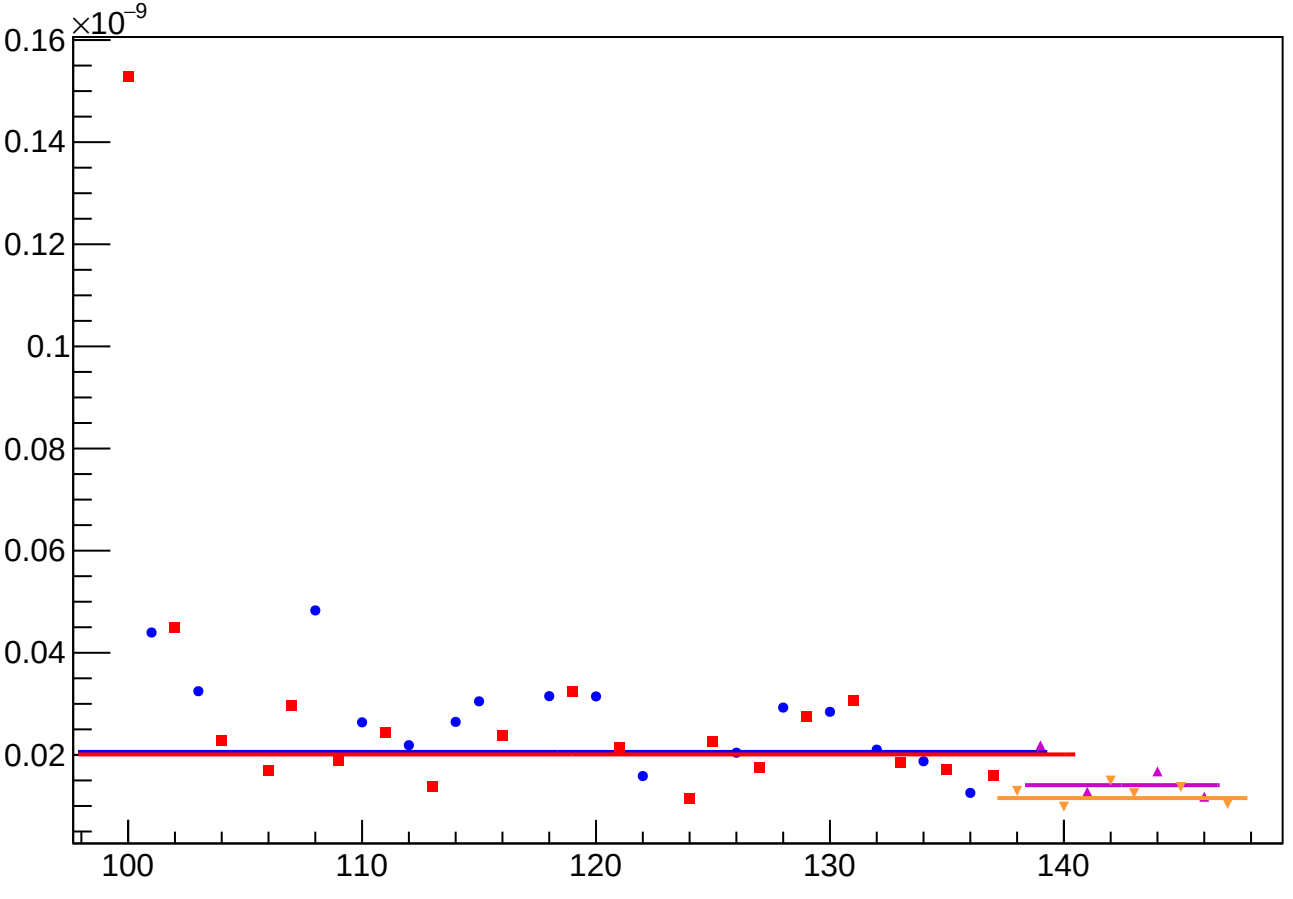
Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 9.2/21

All: -0.000+/-0.000 χ^2/NDF: 31.4/44

- sign -0.000+/-0.000 χ^2/NDF: 22.1/22

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:117275.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

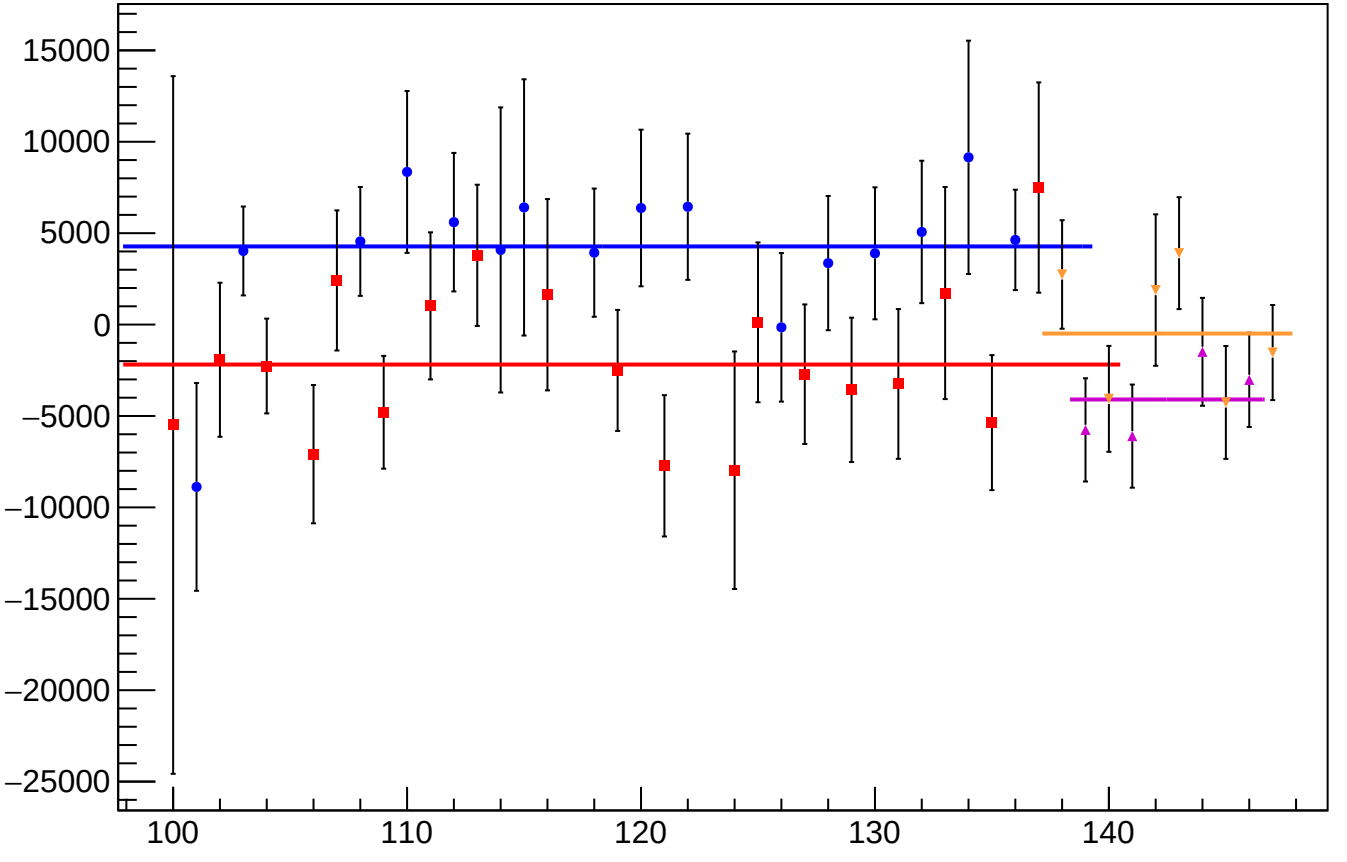
Left In: 0.000+/-0.000 χ^2/NDF:235486.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 2499014.8/21

All: 0.000+/-0.000 χ^2/NDF: 4078509.5/44

- sign 0.000+/-0.000 χ^2/NDF: 1432111.4/22

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.672+/-1239.913 χ^2/NDF:6.7/5

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

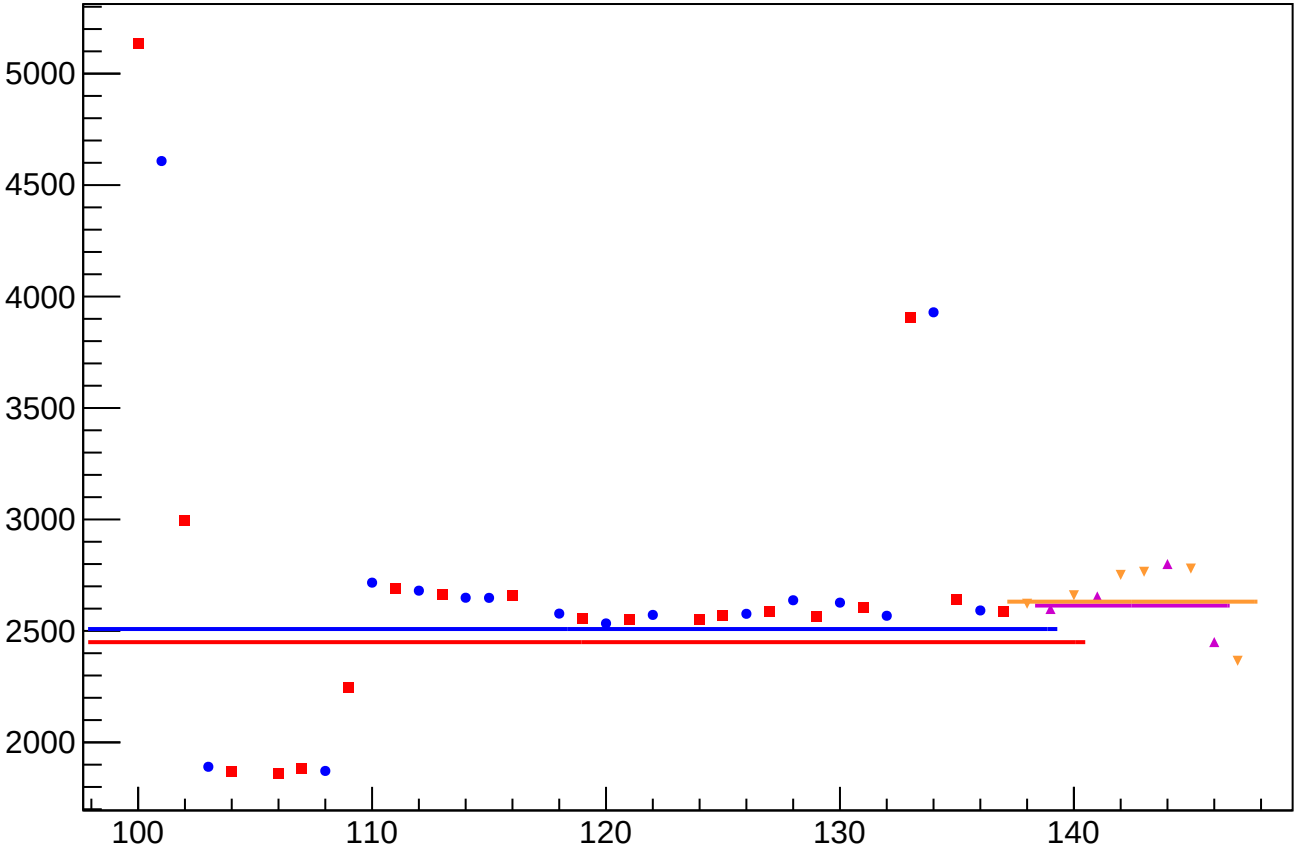
Left In: -4096.908+/-1392.160 χ^2/NDF:1.8/3

+ sign 2507.251+/-755.079 χ^2/NDF: 24.9/21

All: -83.442+/-538.695 χ^2/NDF: 66.8/44

- sign -2768.886+/-768.763 χ^2/NDF: 17.9/22

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

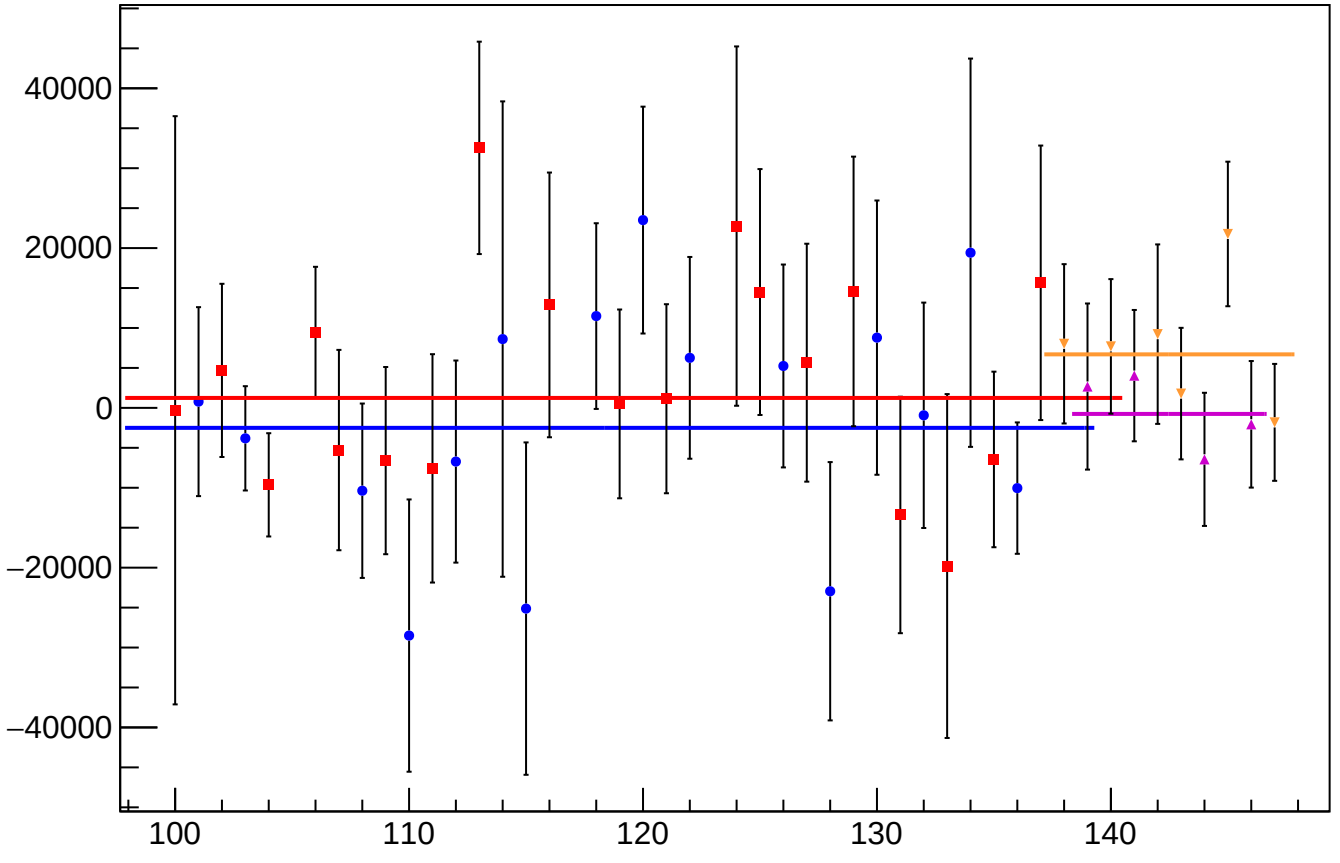
Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2554.009+/-0.534 χ^2/NDF: 655077.8/21

All: 2527.340+/-0.381 χ^2/NDF: 1132906.3/44

- sign 2499.696+/-0.544 χ^2/NDF: 472747.3/22

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6698.170+/-3586.756 χ^2/NDF:4.6/5

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

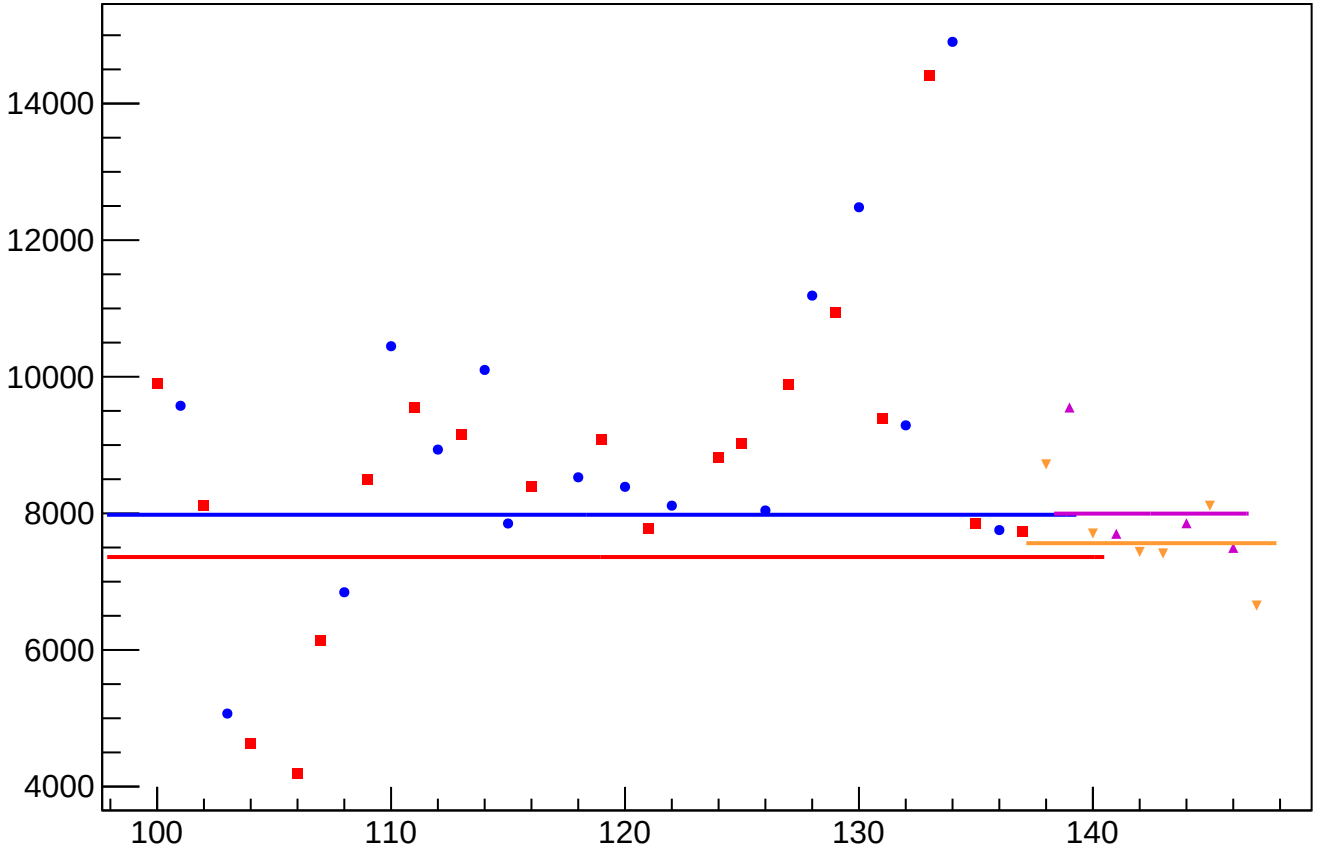
Left In: -757.441+/-4287.709 χ^2/NDF:0.9/3

+ sign 1397.127+/-2334.763 χ^2/NDF: 22.1/21

All: 1020.194+/-1665.000 χ^2/NDF: 39.8/44

- sign 630.127+/-2375.087 χ^2/NDF: 17.7/22

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7563.469+/-2.536 χ^2/NDF:66814.2/5

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

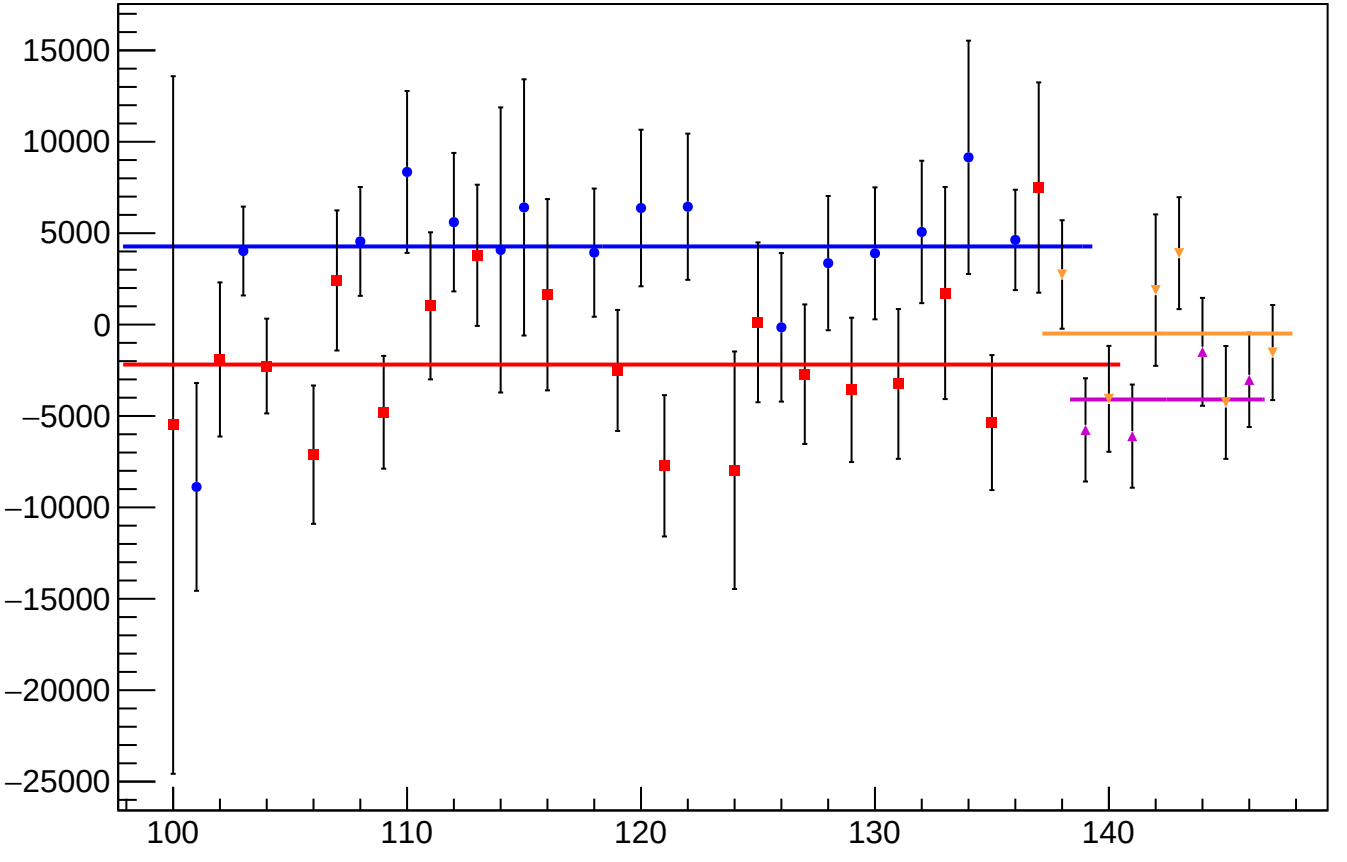
Left In: 7996.222+/-3.032 χ^2/NDF:55840.3/3

+ sign 7803.211+/-1.651 χ^2/NDF: 1005403.5/21

All: 7681.590+/-1.177 χ^2/NDF: 2388747.8/44

- sign 7555.731+/-1.679 χ^2/NDF: 1372301.0/22

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.721+/-1239.913 χ^2/NDF:6.7/5

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

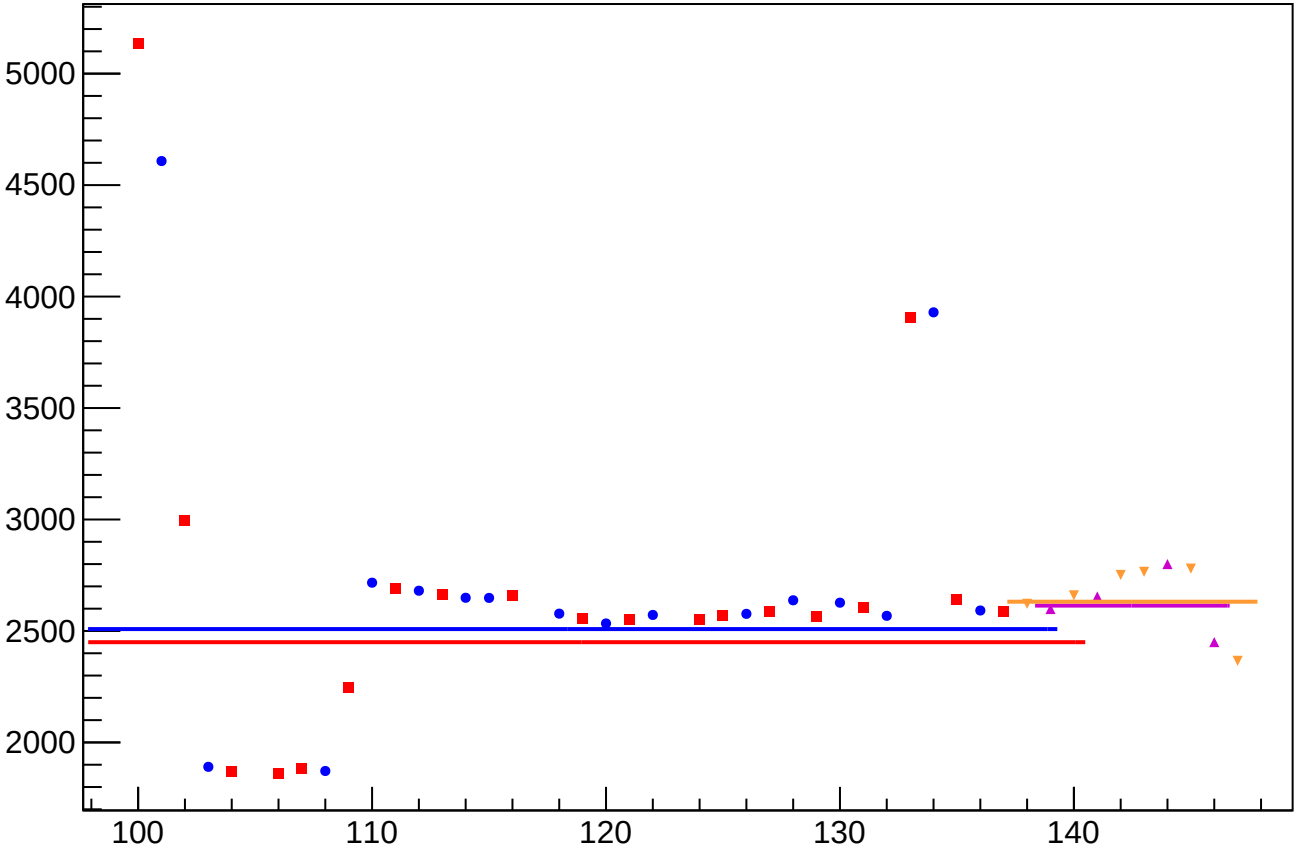
Left In: -4097.289+/-1392.160 χ^2/NDF:1.8/3

+ sign 2506.923+/-755.079 χ^2/NDF: 24.9/21

All: -83.867+/-538.696 χ^2/NDF: 66.8/44

- sign -2769.441+/-768.768 χ^2/NDF: 17.9/22

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

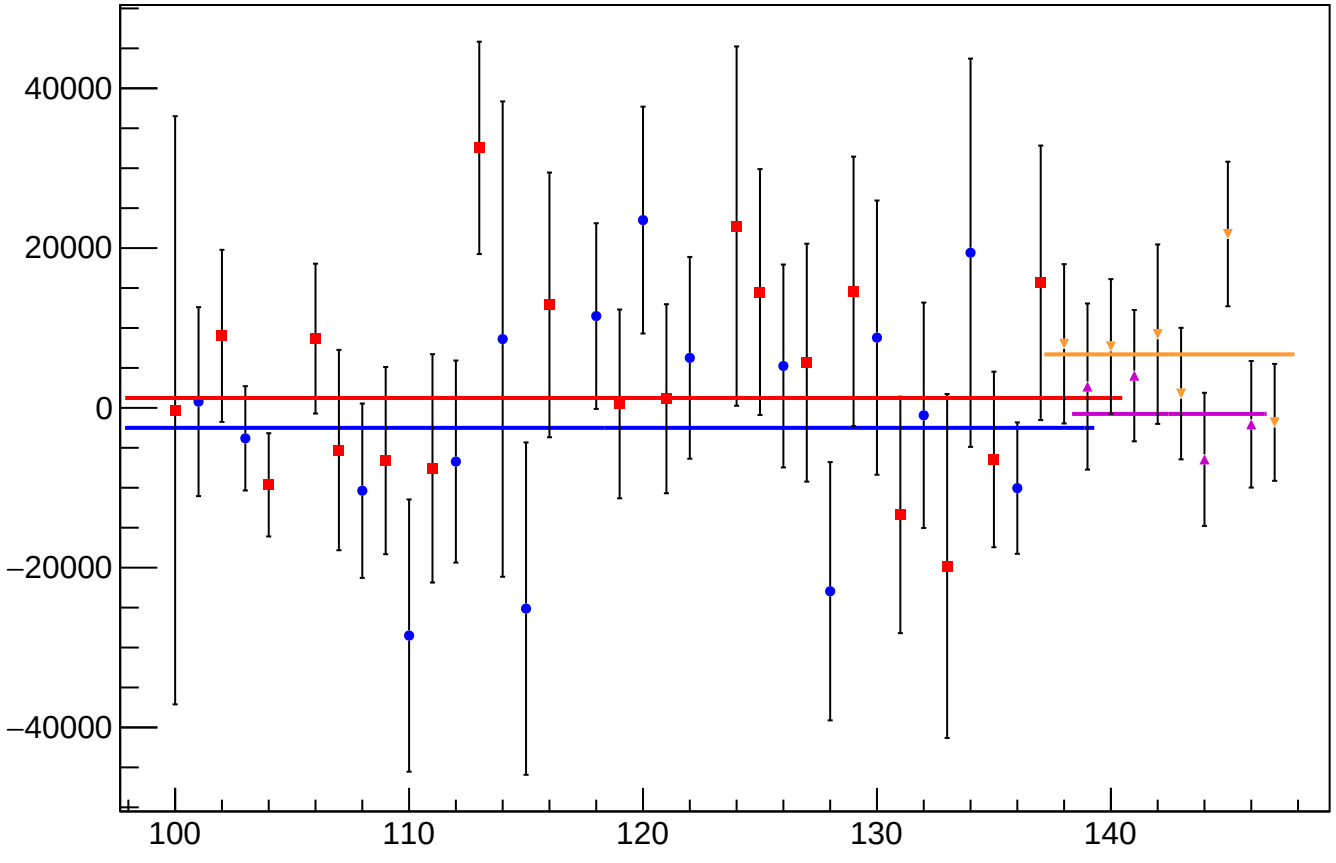
Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2554.010+/-0.534 χ^2/NDF: 655075.4/21

All: 2527.349+/-0.381 χ^2/NDF: 1132840.5/44

- sign 2499.713+/-0.544 χ^2/NDF: 472687.1/22

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

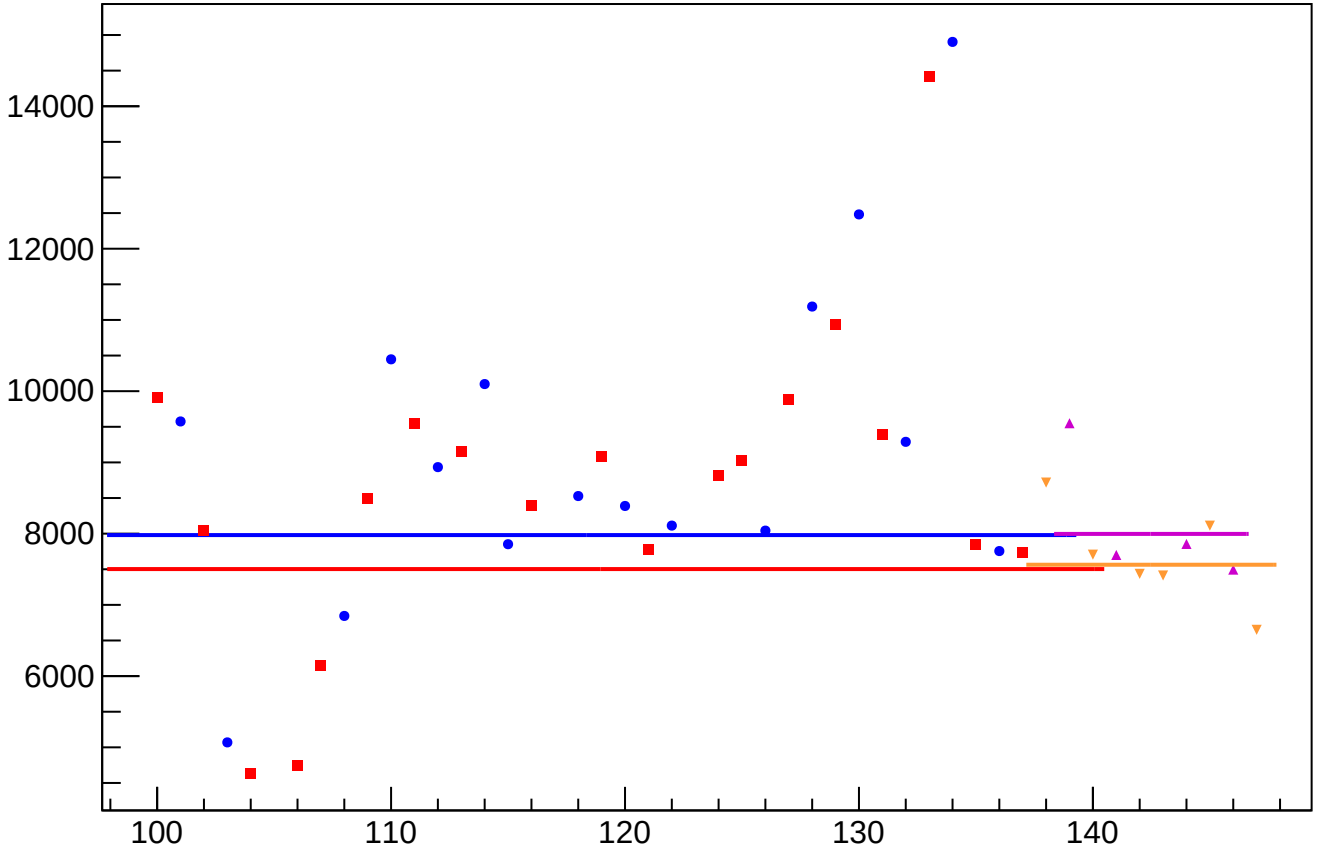
Left In: -757.623+/-4287.708 χ^2/NDF:0.9/3

+ sign 1397.338+/-2334.798 χ^2/NDF: 22.1/21

All: 1016.623+/-1672.997 χ^2/NDF: 39.9/44

- sign 614.872+/-2398.436 χ^2/NDF: 17.7/22

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

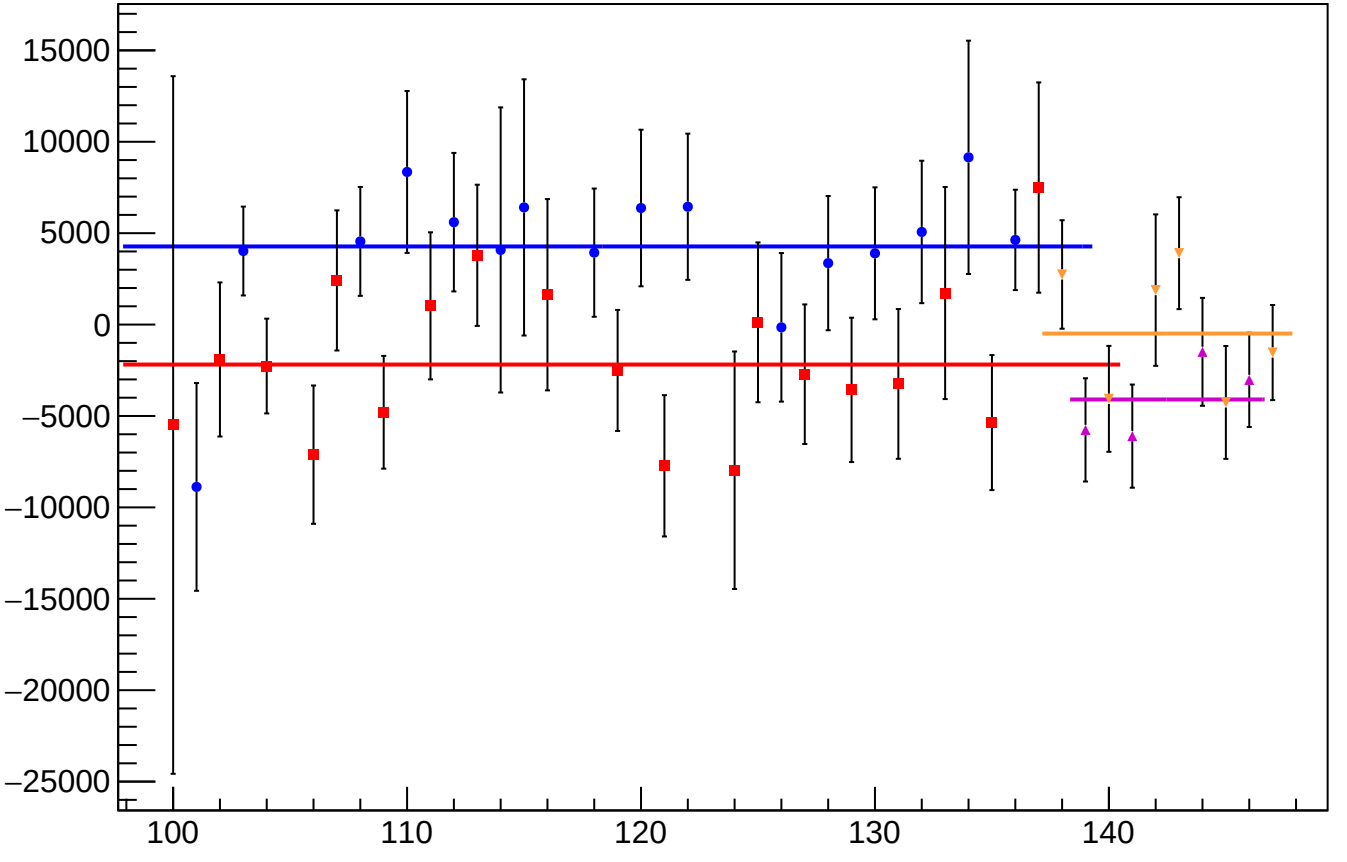
Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

+ sign 7803.382+/-1.651 χ^2/NDF: 1005130.3/21

All: 7732.213+/-1.183 χ^2/NDF: 2218519.8/44

- sign 7657.112+/-1.696 χ^2/NDF: 1209570.3/22

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.721+/-1239.913 χ^2/NDF:6.7/5

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

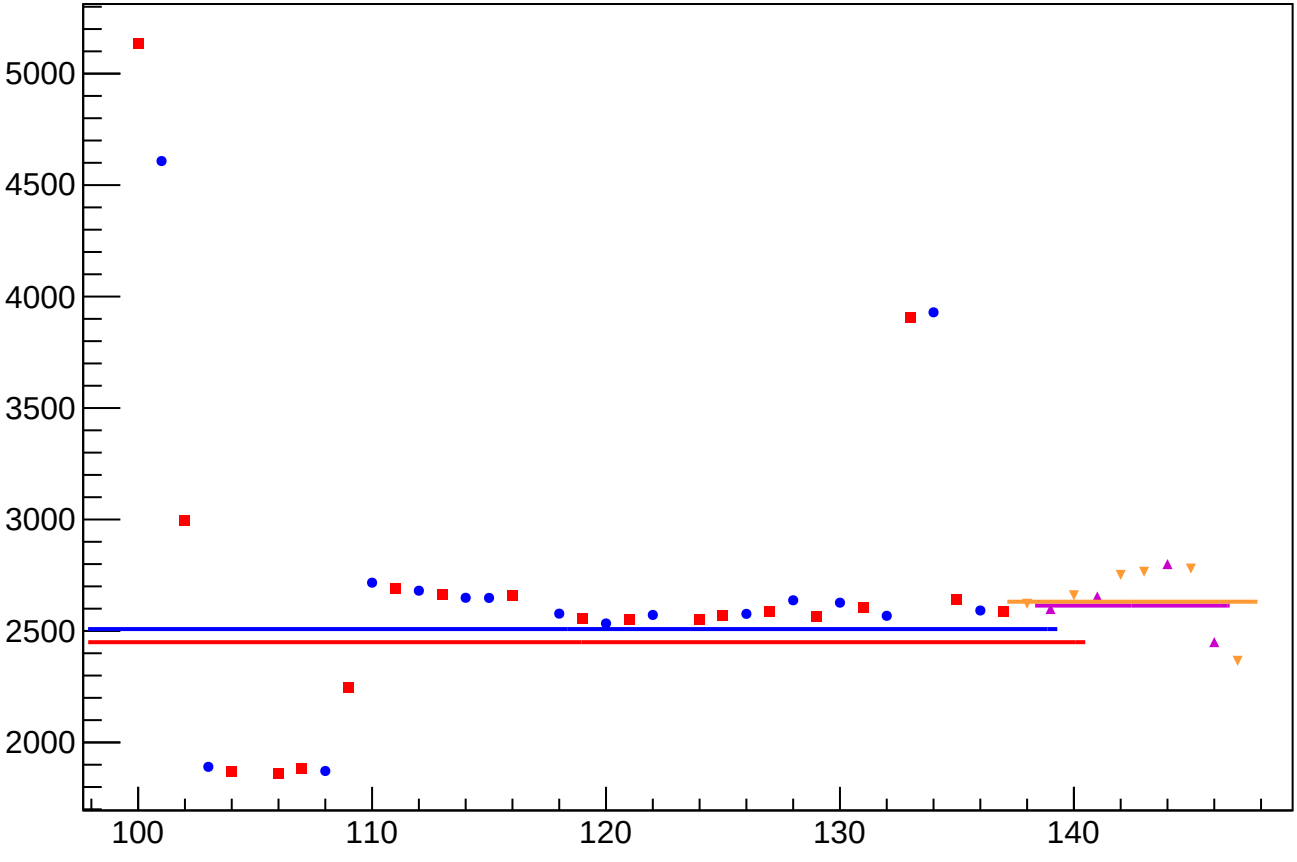
Left In: -4097.289+/-1392.160 χ^2/NDF:1.8/3

+ sign 2506.923+/-755.079 χ^2/NDF: 24.9/21

All: -83.867+/-538.696 χ^2/NDF: 66.8/44

- sign -2769.441+/-768.768 χ^2/NDF: 17.9/22

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

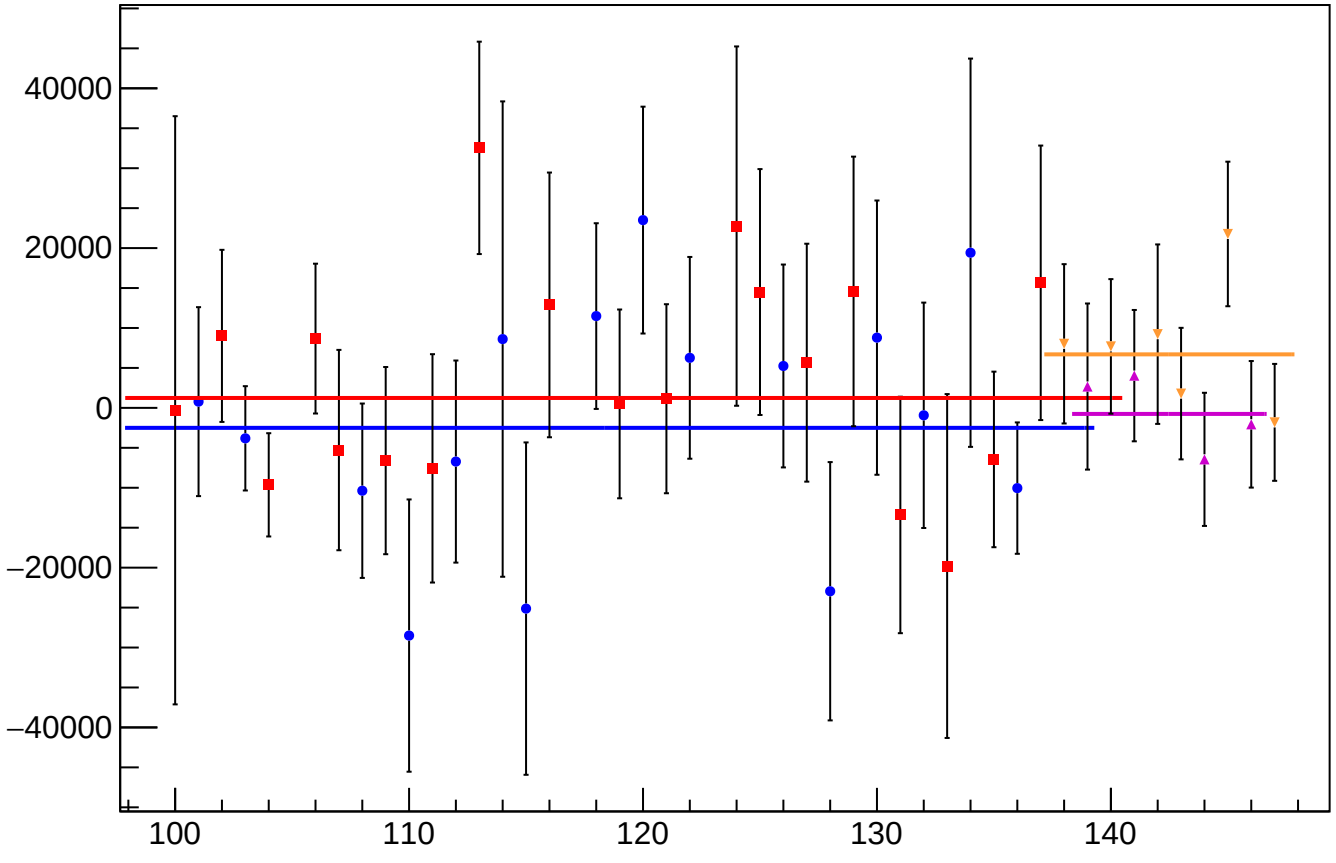
Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2554.010+/-0.534 χ^2/NDF: 655075.4/21

All: 2527.349+/-0.381 χ^2/NDF: 1132840.5/44

- sign 2499.713+/-0.544 χ^2/NDF: 472687.1/22

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

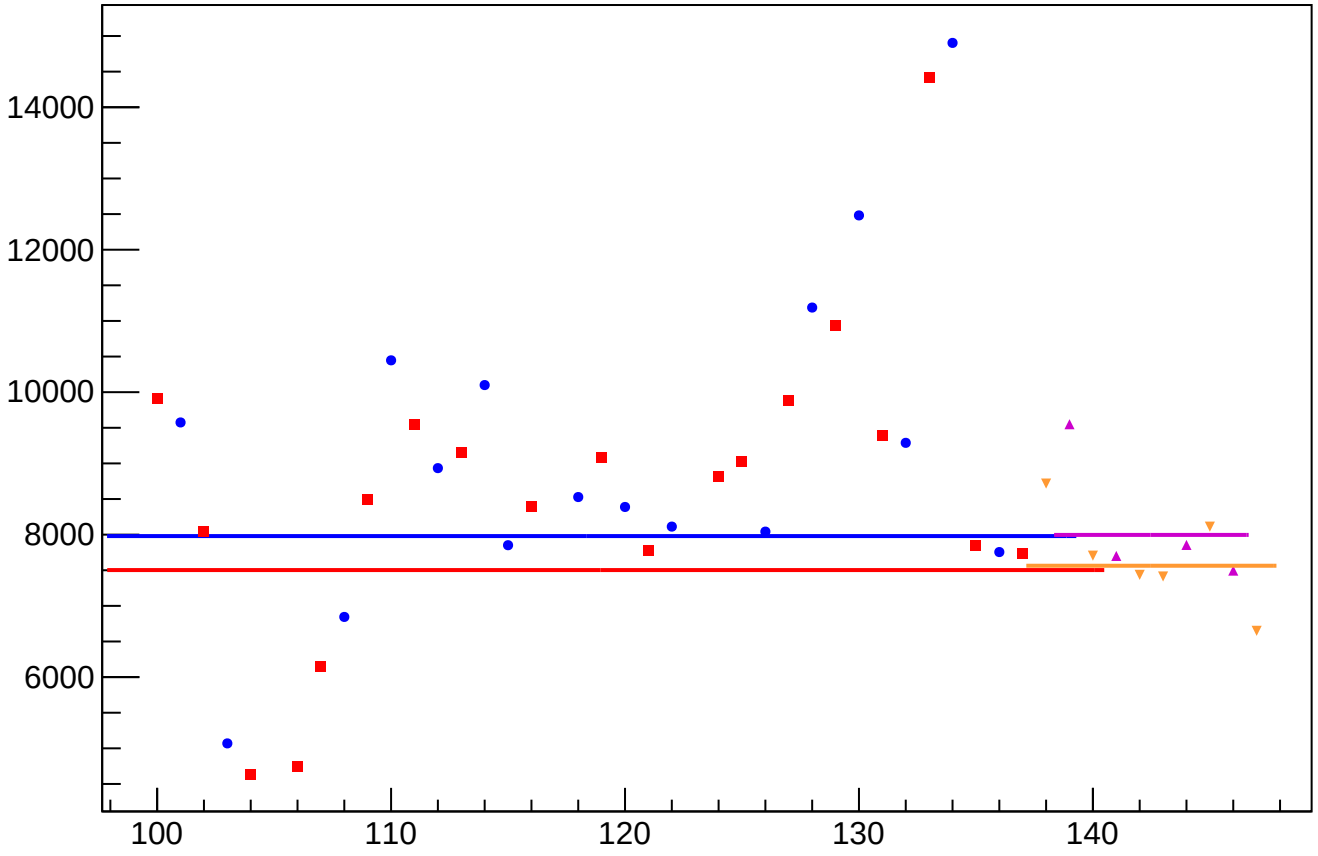
Left In: -757.623+/-4287.708 χ^2/NDF:0.9/3

+ sign 1397.338+/-2334.798 χ^2/NDF: 22.1/21

All: 1016.623+/-1672.997 χ^2/NDF: 39.9/44

- sign 614.872+/-2398.436 χ^2/NDF: 17.7/22

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

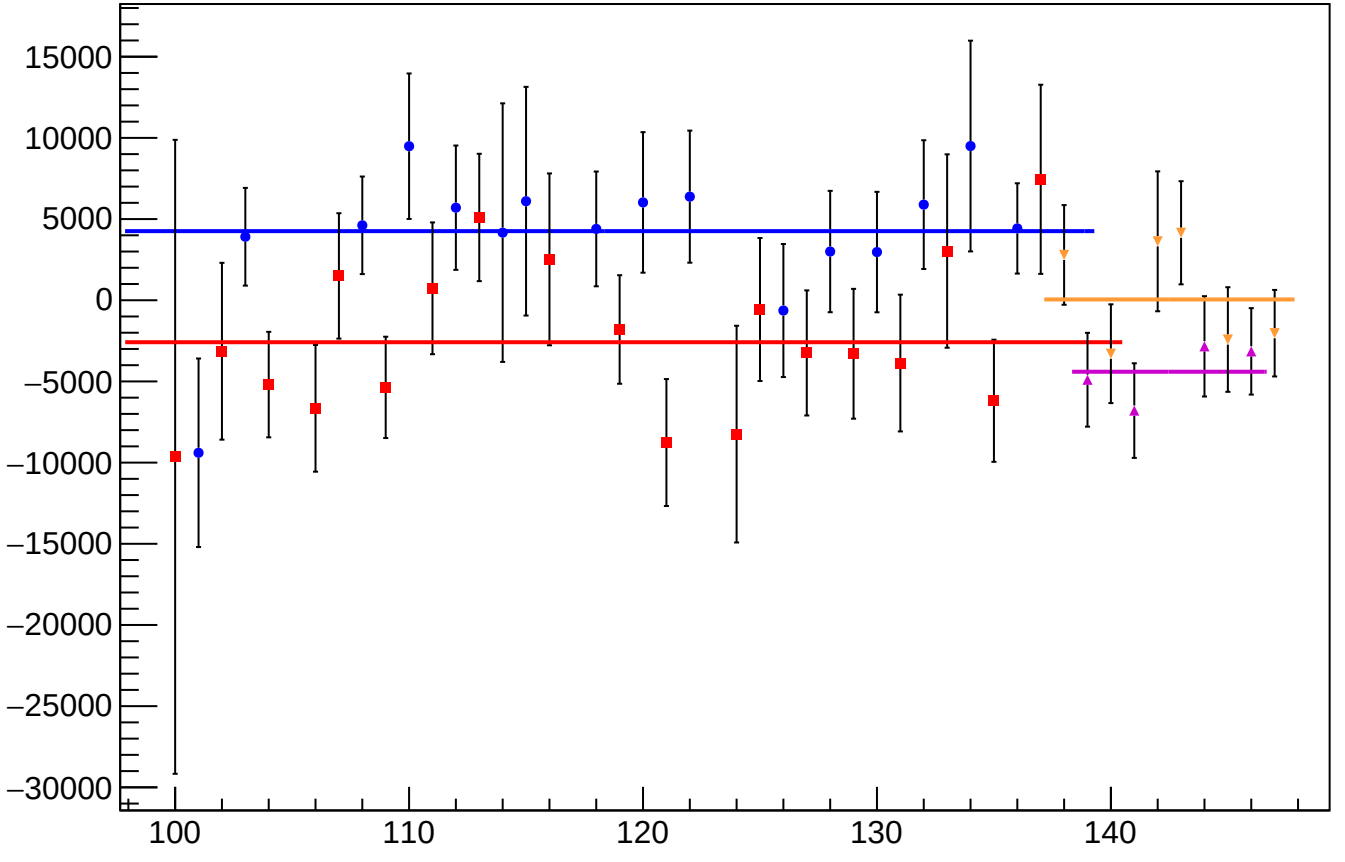
Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

+ sign 7803.382+/-1.651 χ^2/NDF: 1005130.3/21

All: 7732.213+/-1.183 χ^2/NDF: 2218519.8/44

- sign 7657.112+/-1.696 χ^2/NDF: 1209570.3/22

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.314 χ^2/NDF:5.6/5

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

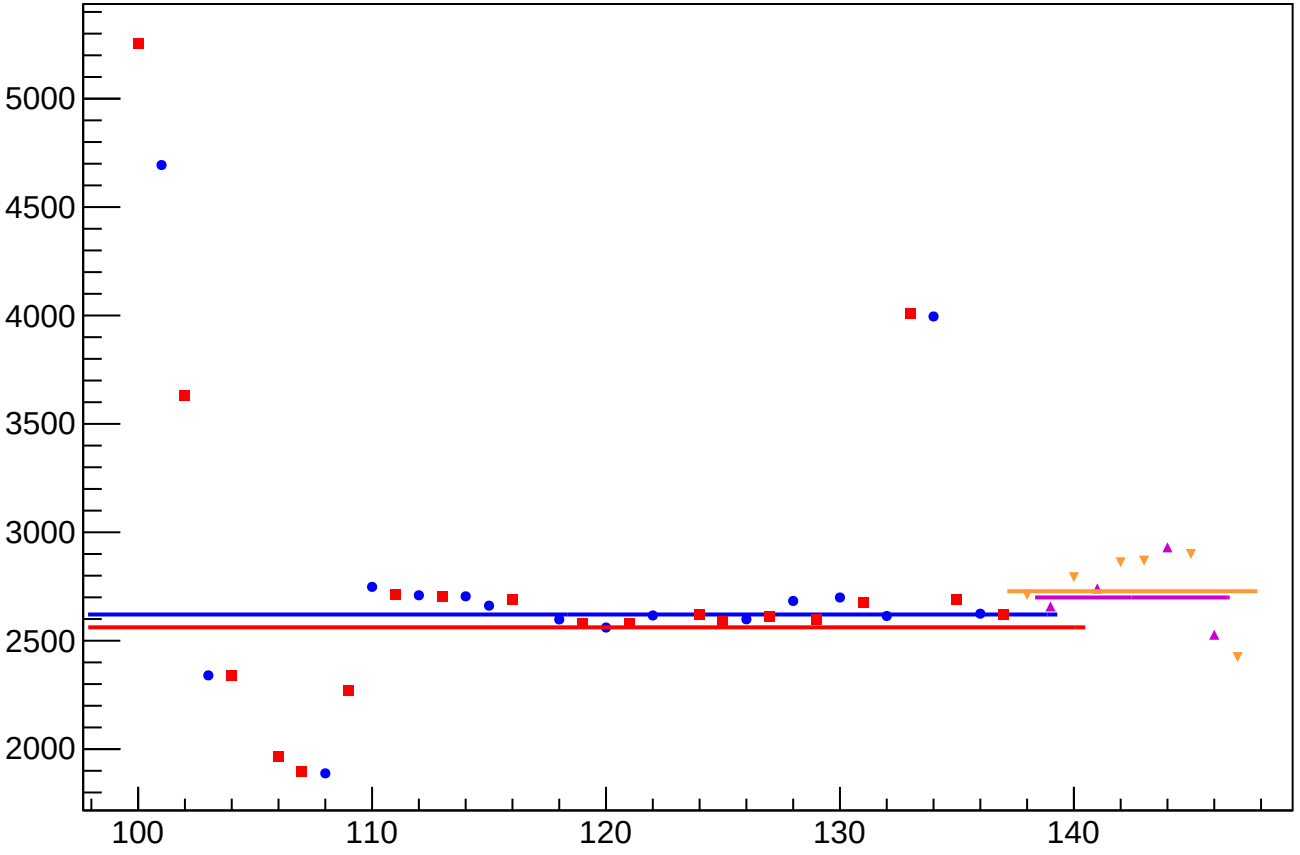
Left In: -4403.058+/-1438.330 χ^2/NDF:1.2/3

+ sign 2690.279+/-784.812 χ^2/NDF: 22.3/21

All: -166.761+/-560.908 χ^2/NDF: 69.3/44

- sign -3149.968+/-801.953 χ^2/NDF: 19.9/22

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2728.327+/-0.910 χ^2/NDF:38470.5/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

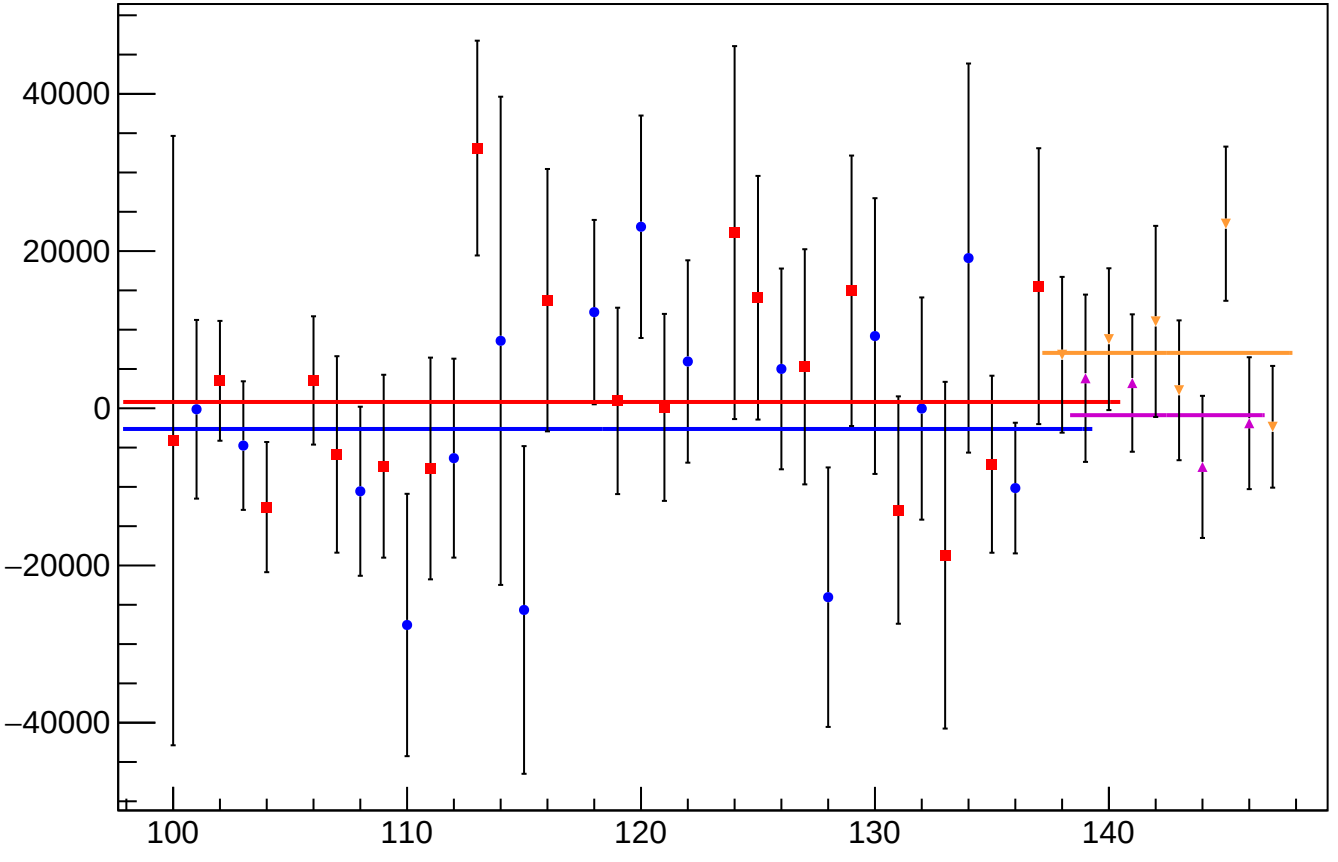
Left In: 2699.479+/-1.017 χ^2/NDF:20348.3/3

+ sign 2660.930+/-0.555 χ^2/NDF: 533131.1/21

All: 2633.318+/-0.397 χ^2/NDF: 949445.4/44

- sign 2604.510+/-0.567 χ^2/NDF: 411255.7/22

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 7048.180+/-3808.685 χ^2/NDF:4.7/5

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

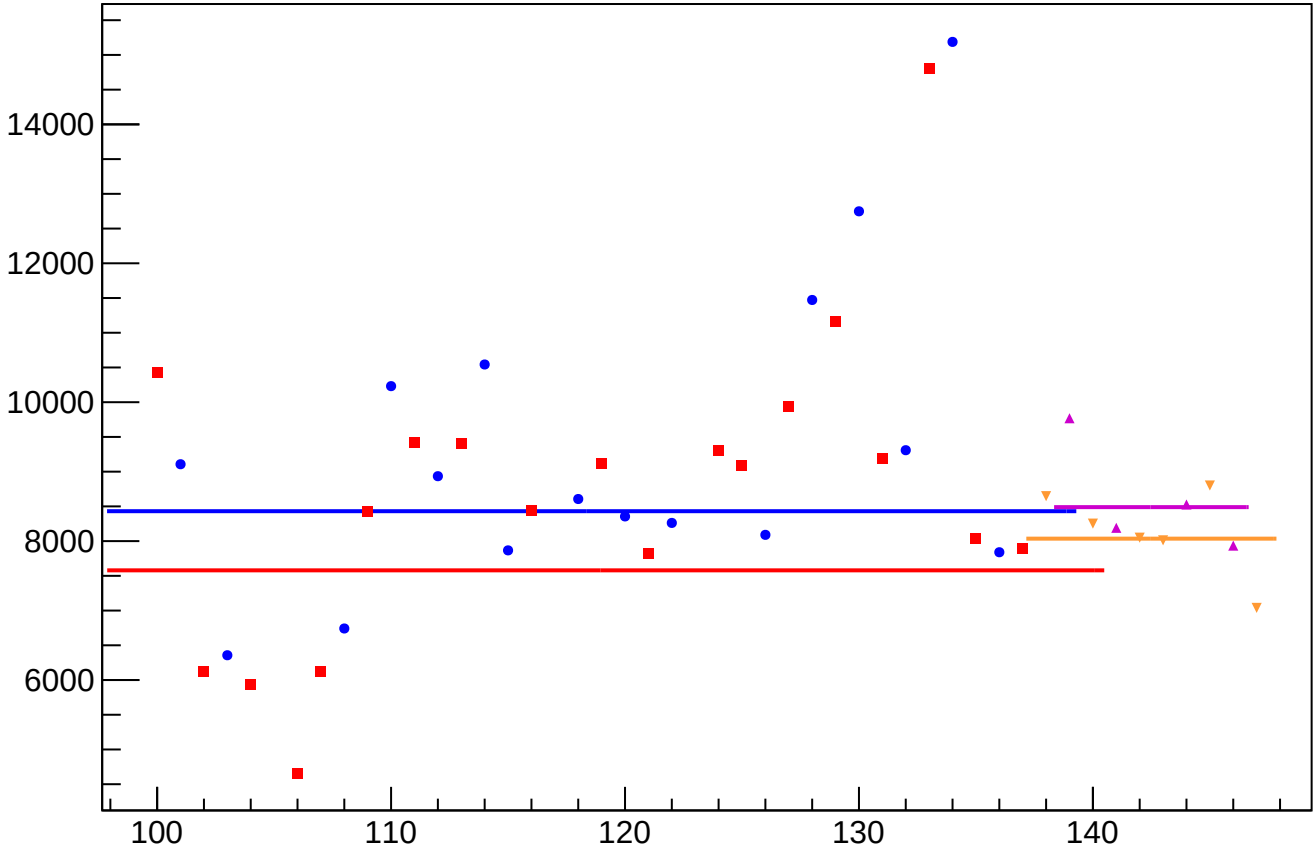
Left In: -876.102+/-4547.820 χ^2/NDF:1.0/3

+ sign 1390.599+/-2455.185 χ^2/NDF: 22.3/21

All: 851.541+/-1726.704 χ^2/NDF: 38.8/44

- sign 323.971+/-2428.883 χ^2/NDF: 16.5/22

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8035.542+/-2.693 χ^2/NDF:54099.6/5

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

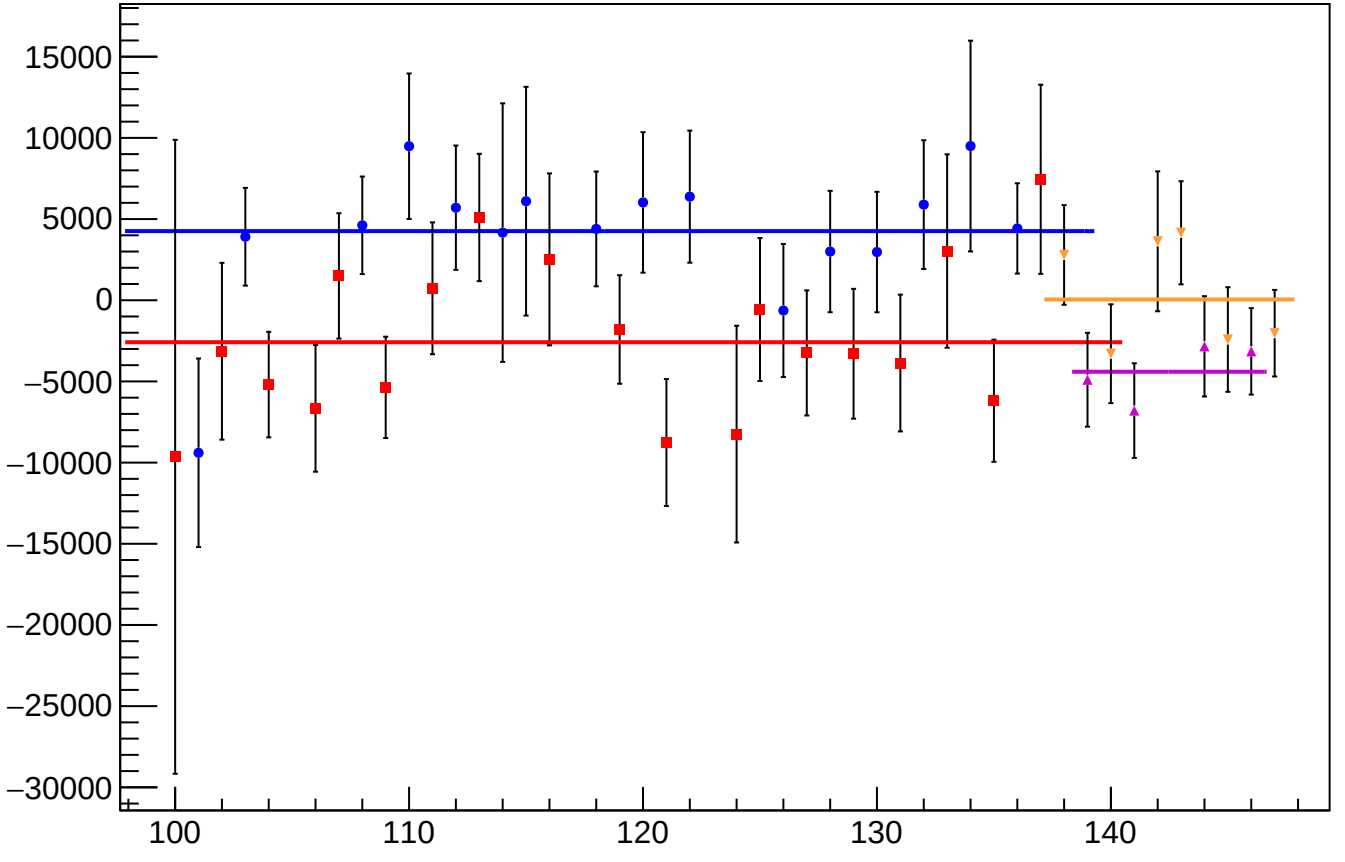
Left In: 8489.239+/-3.216 χ^2/NDF:40002.6/3

+ sign 8266.534+/-1.736 χ^2/NDF: 646981.7/21

All: 8050.320+/-1.221 χ^2/NDF: 1749053.6/44

- sign 7838.714+/-1.717 χ^2/NDF: 1071381.3/22

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.315 χ^2/NDF:5.6/5

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

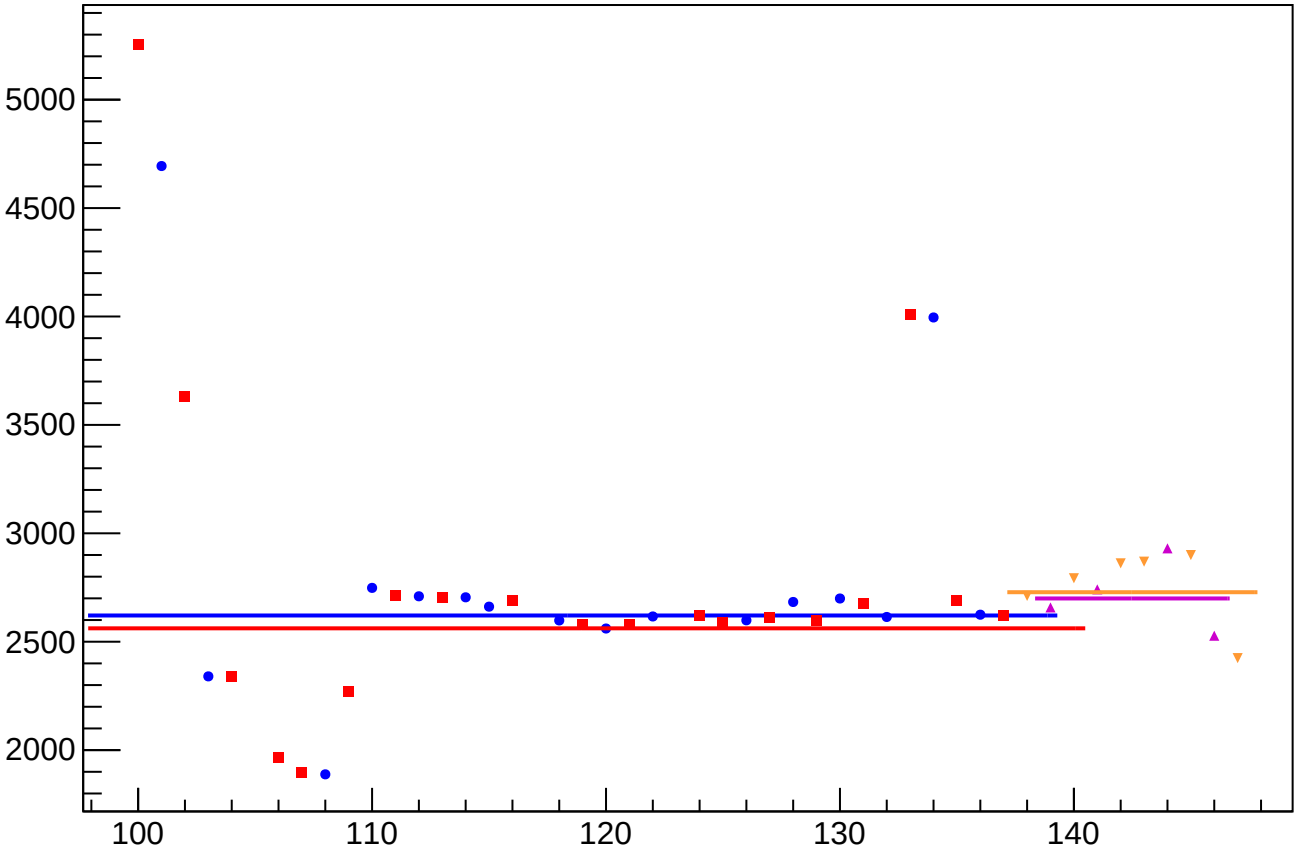
Left In: -4403.044+/-1438.331 χ^2/NDF:1.2/3

+ sign 2690.285+/-784.812 χ^2/NDF: 22.3/21

All: -166.759+/-560.908 χ^2/NDF: 69.3/44

- sign -3149.970+/-801.953 χ^2/NDF: 19.9/22

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2728.329+/-0.910 χ^2/NDF:38470.6/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

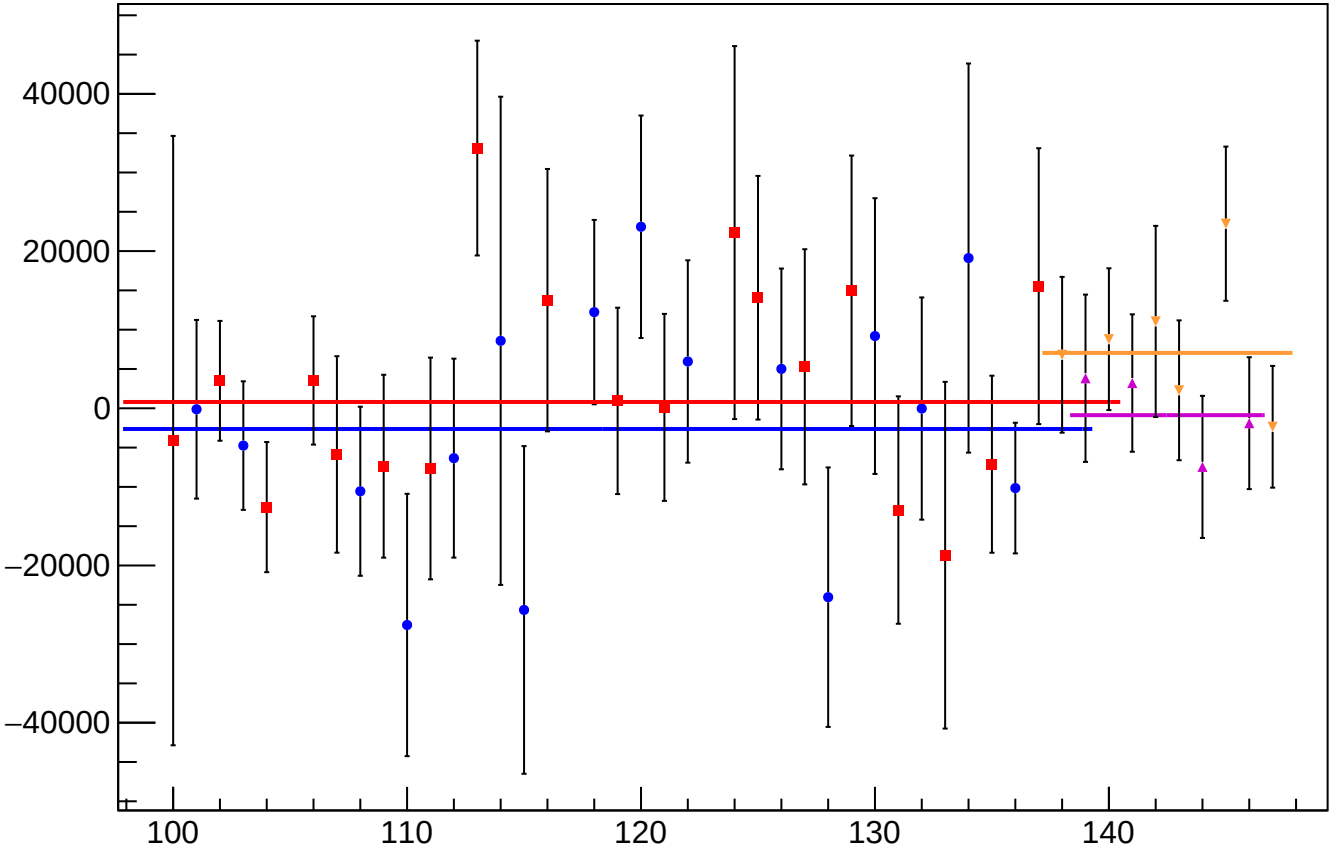
Left In: 2699.481+/-1.017 χ^2/NDF:20348.1/3

+ sign 2660.930+/-0.555 χ^2/NDF: 533131.8/21

All: 2633.318+/-0.397 χ^2/NDF: 949445.7/44

- sign 2604.510+/-0.567 χ^2/NDF: 411255.3/22

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 7048.185+/-3808.690 χ^2/NDF:4.7/5

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

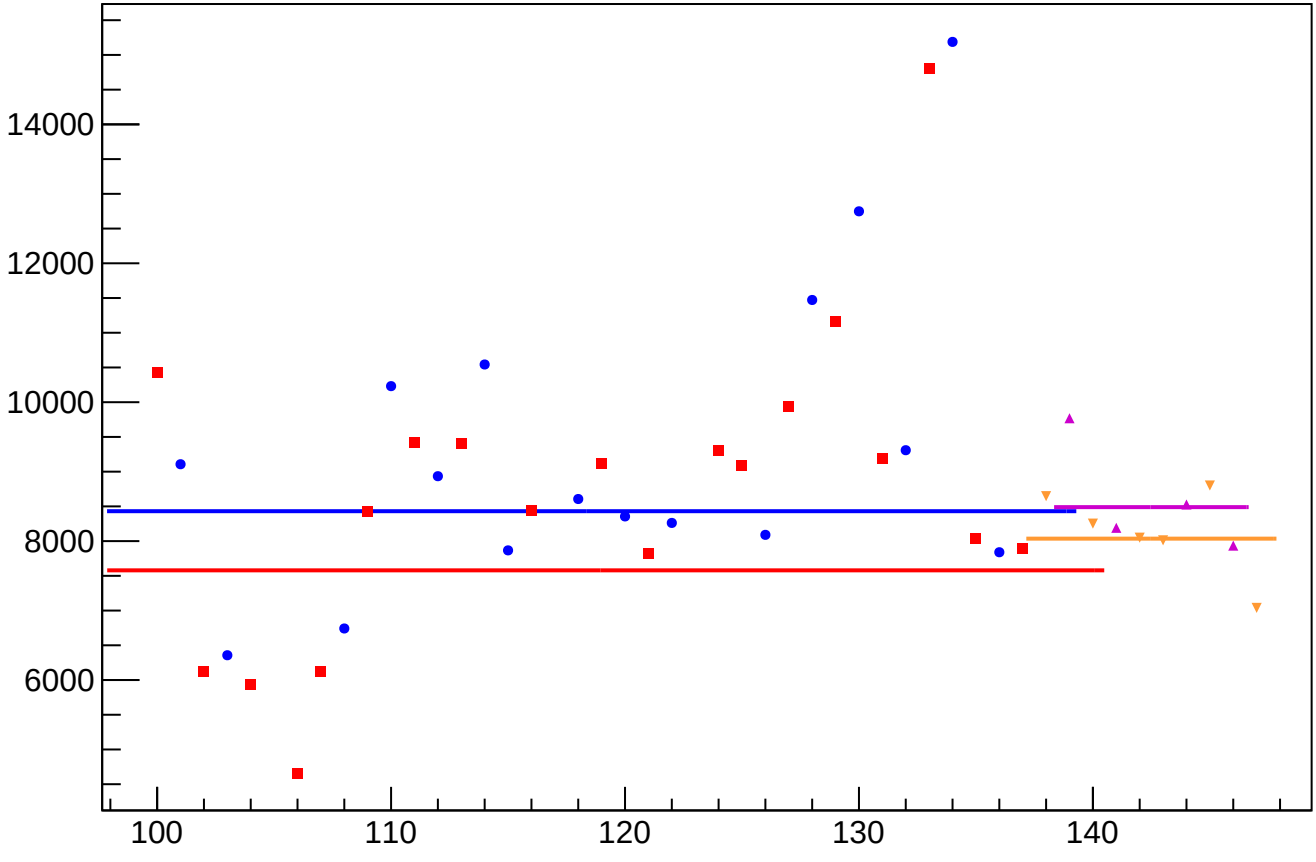
Left In: -876.083+/-4547.825 χ^2/NDF:1.0/3

+ sign 1390.607+/-2455.184 χ^2/NDF: 22.3/21

All: 851.547+/-1726.703 χ^2/NDF: 38.8/44

- sign 323.975+/-2428.881 χ^2/NDF: 16.5/22

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8035.554+/-2.693 χ^2/NDF:54099.6/5

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

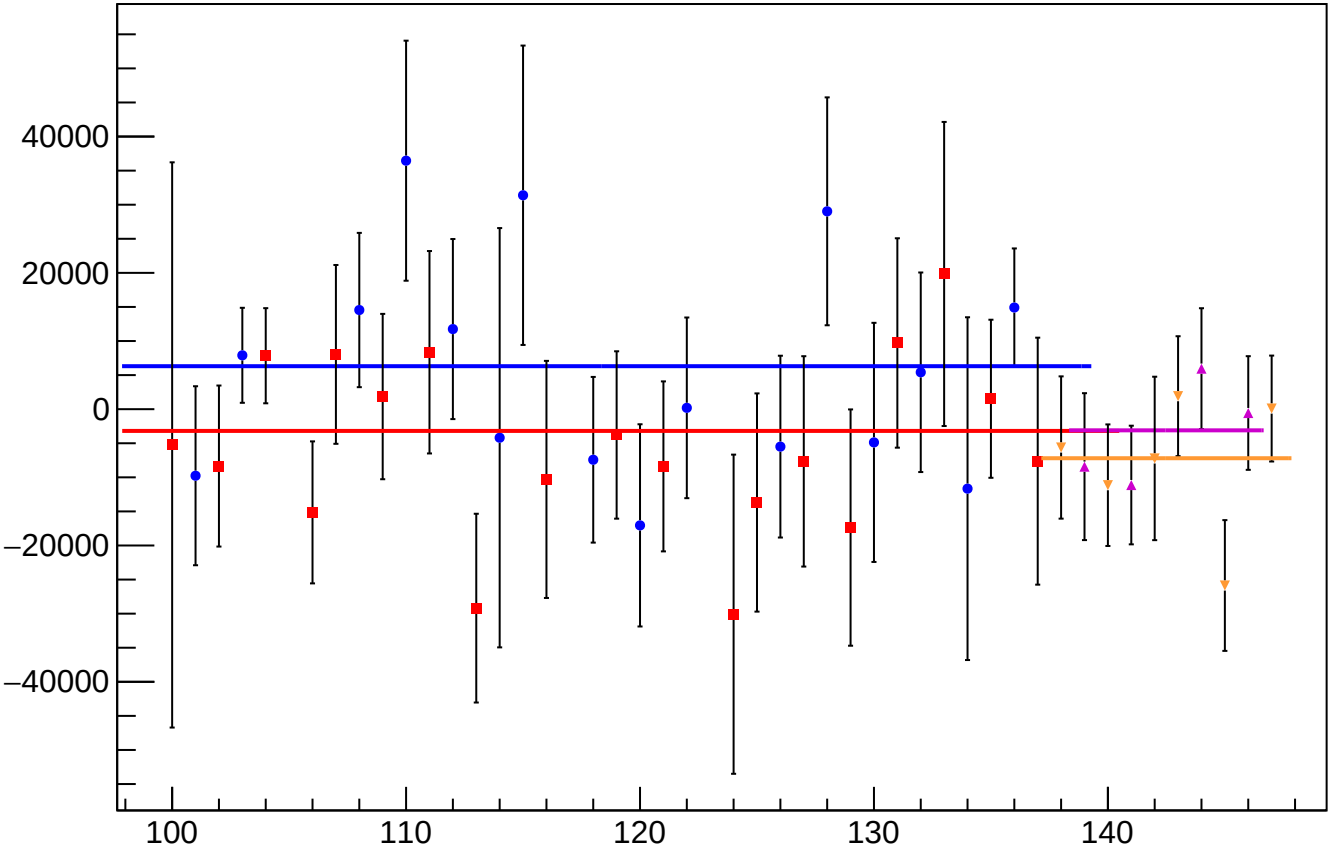
Left In: 8489.249+/-3.216 χ^2/NDF:40003.0/3

+ sign 8266.533+/-1.736 χ^2/NDF: 646974.6/21

All: 8050.317+/-1.221 χ^2/NDF: 1749046.7/44

- sign 7838.708+/-1.717 χ^2/NDF: 1071380.7/22

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -7196.151+/-3805.034 χ^2/NDF:6.0/5

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

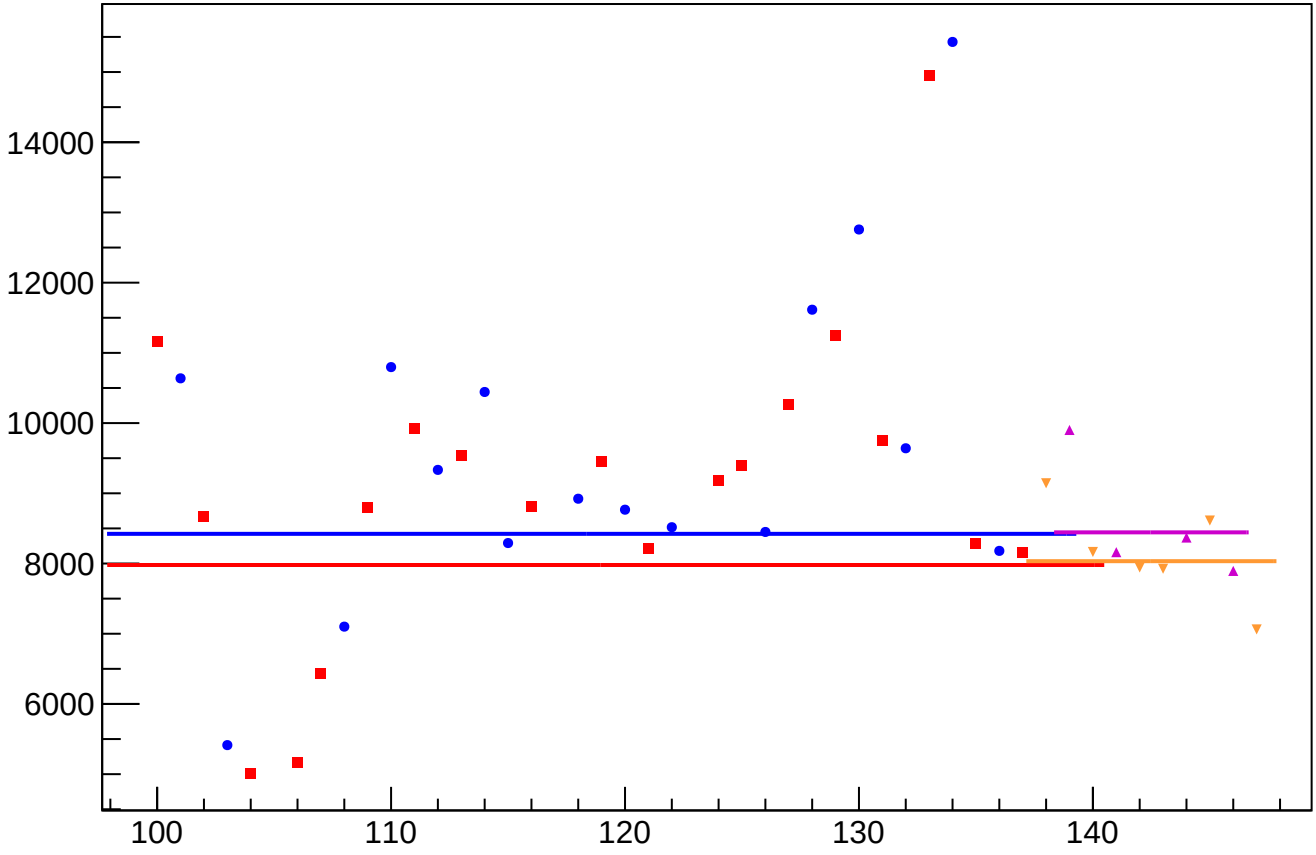
Left In: -3105.068+/-4521.460 χ^2/NDF:2.2/3

+ sign 632.122+/-2466.721 χ^2/NDF: 28.4/21

All: -1210.471+/-1769.269 χ^2/NDF: 45.6/44

- sign -3162.775+/-2539.096 χ^2/NDF: 16.1/22

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8033.352+/-2.691 χ^2/NDF:62027.4/5

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

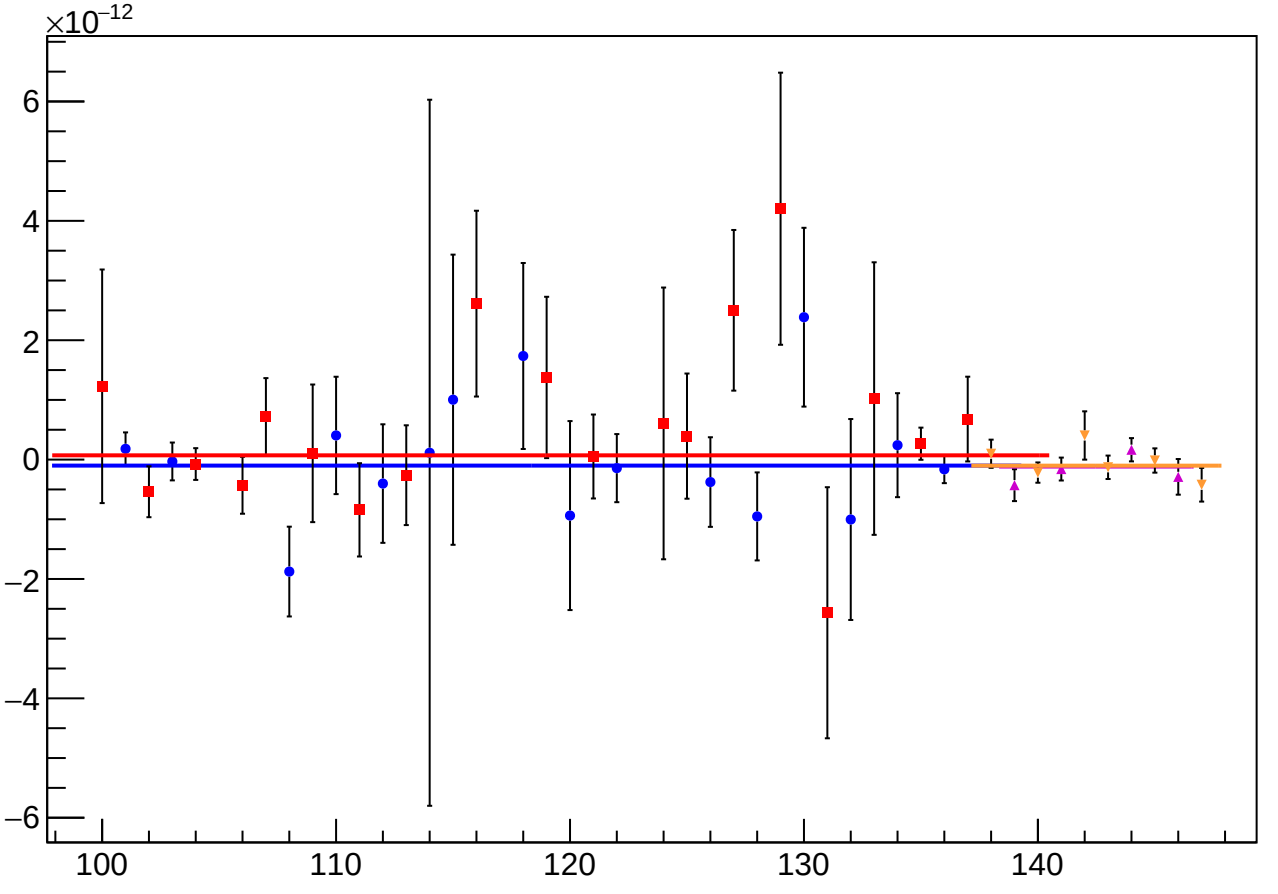
Left In: 8443.768+/-3.197 χ^2/NDF:47533.6/3

+ sign 8259.081+/-1.744 χ^2/NDF: 956002.4/21

All: 8194.250+/-1.251 χ^2/NDF: 2036868.6/44

- sign 8125.562+/-1.795 χ^2/NDF: 1078021.0/22

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:4.2/5

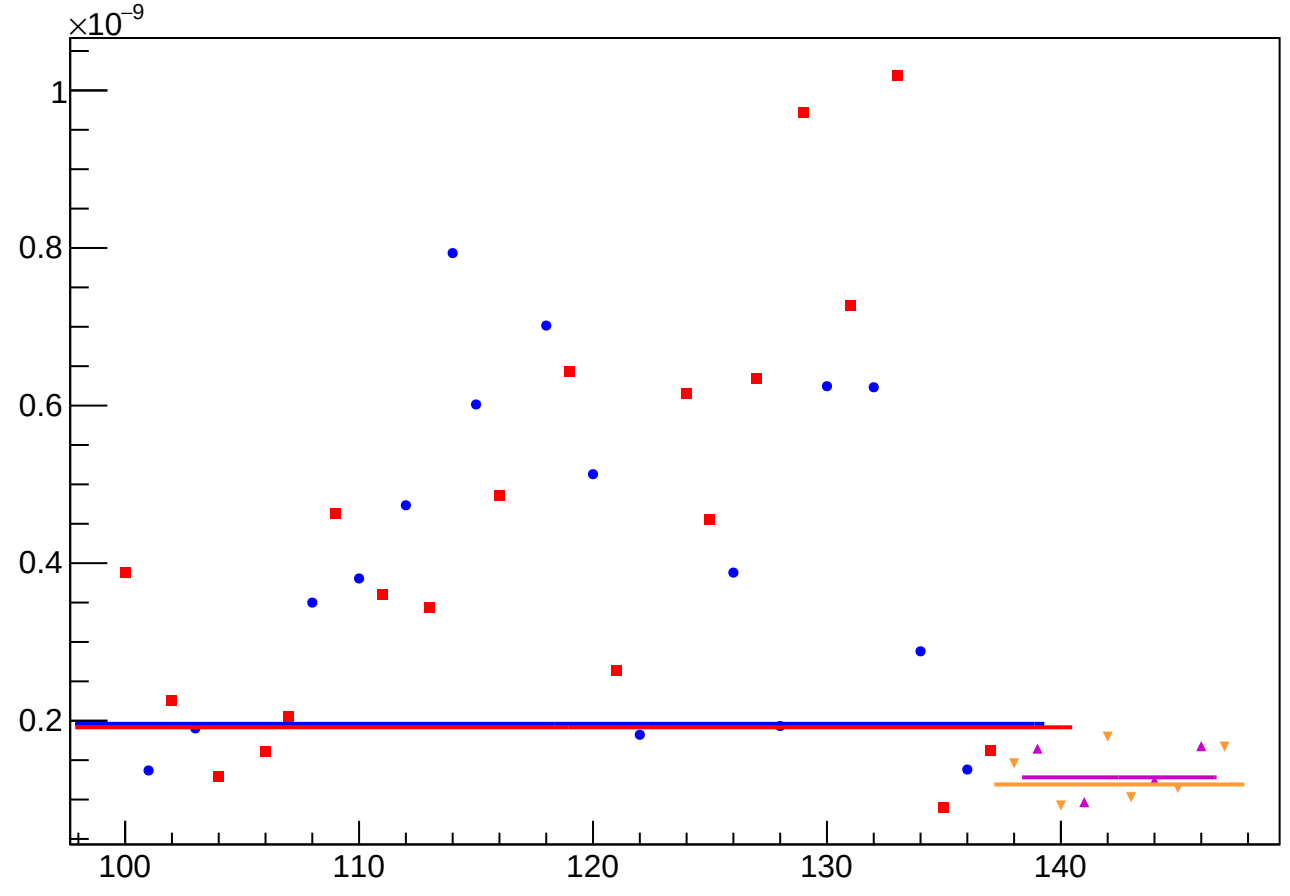
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.9/21

All: -0.000+/-0.000 χ^2/NDF: 42.7/44

- sign -0.000+/-0.000 χ^2/NDF: 24.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:192799.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

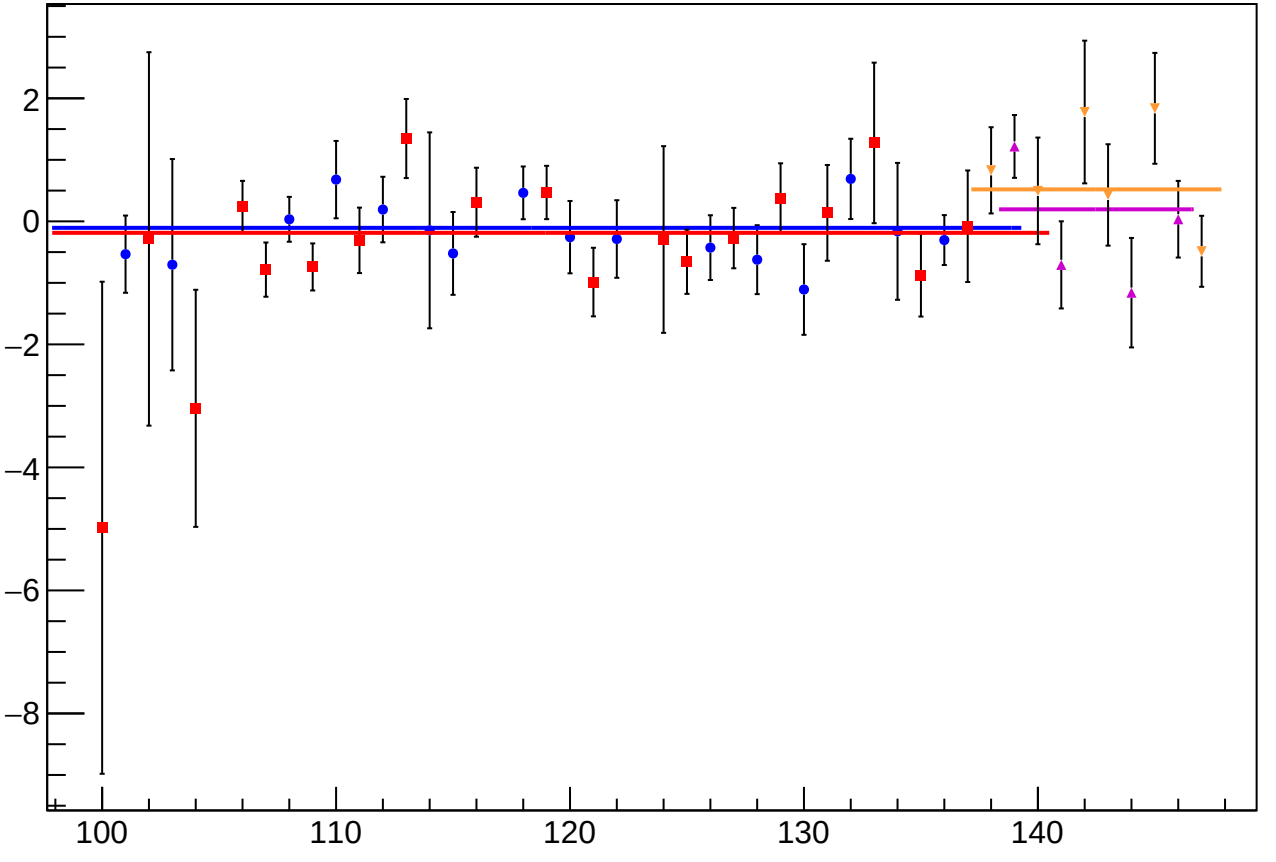
Left In: 0.000+/-0.000 χ^2/NDF:126962.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 1985466.5/21

All: 0.000+/-0.000 χ^2/NDF: 4445178.9/44

- sign 0.000+/-0.000 χ^2/NDF: 2444646.7/22

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

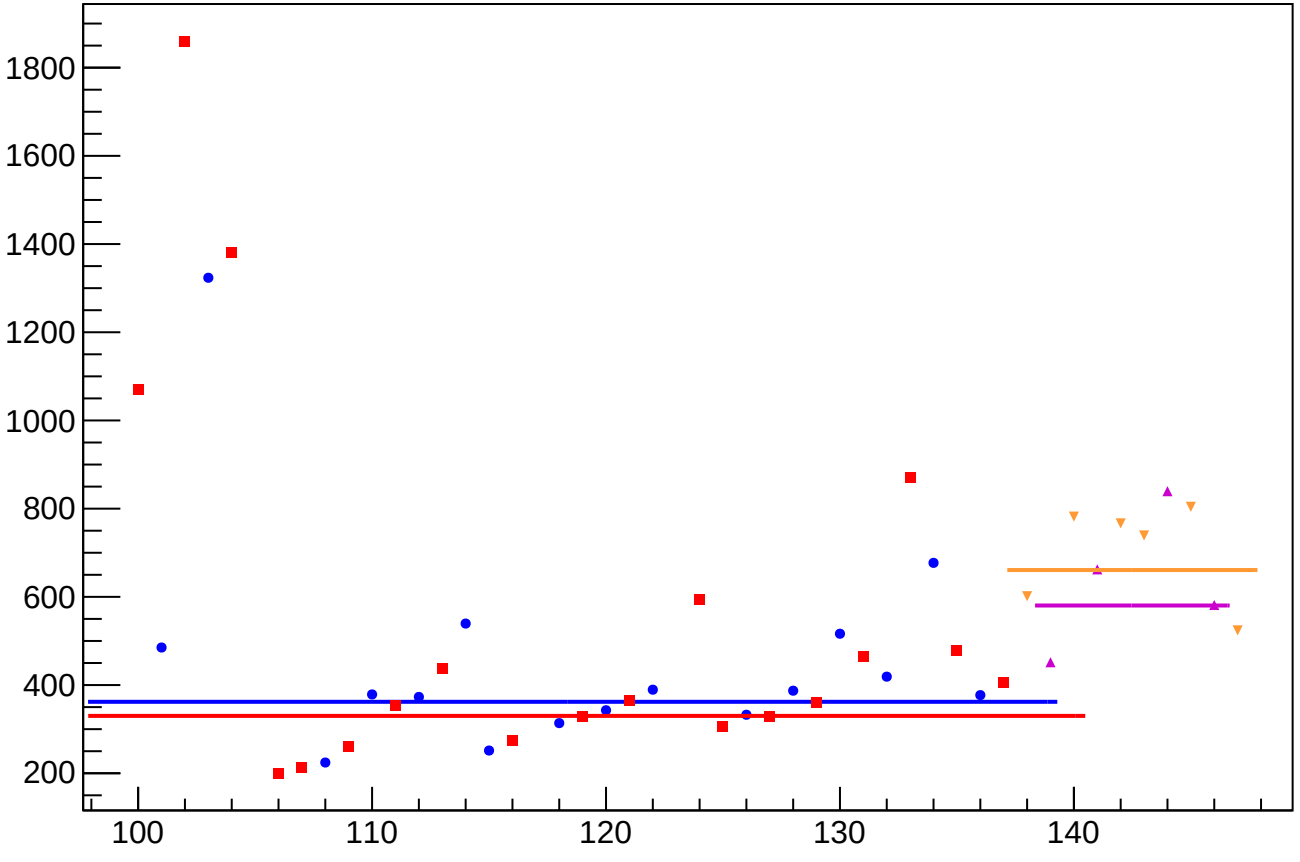
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.066+/-0.091 χ^2/NDF: 53.0/44

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

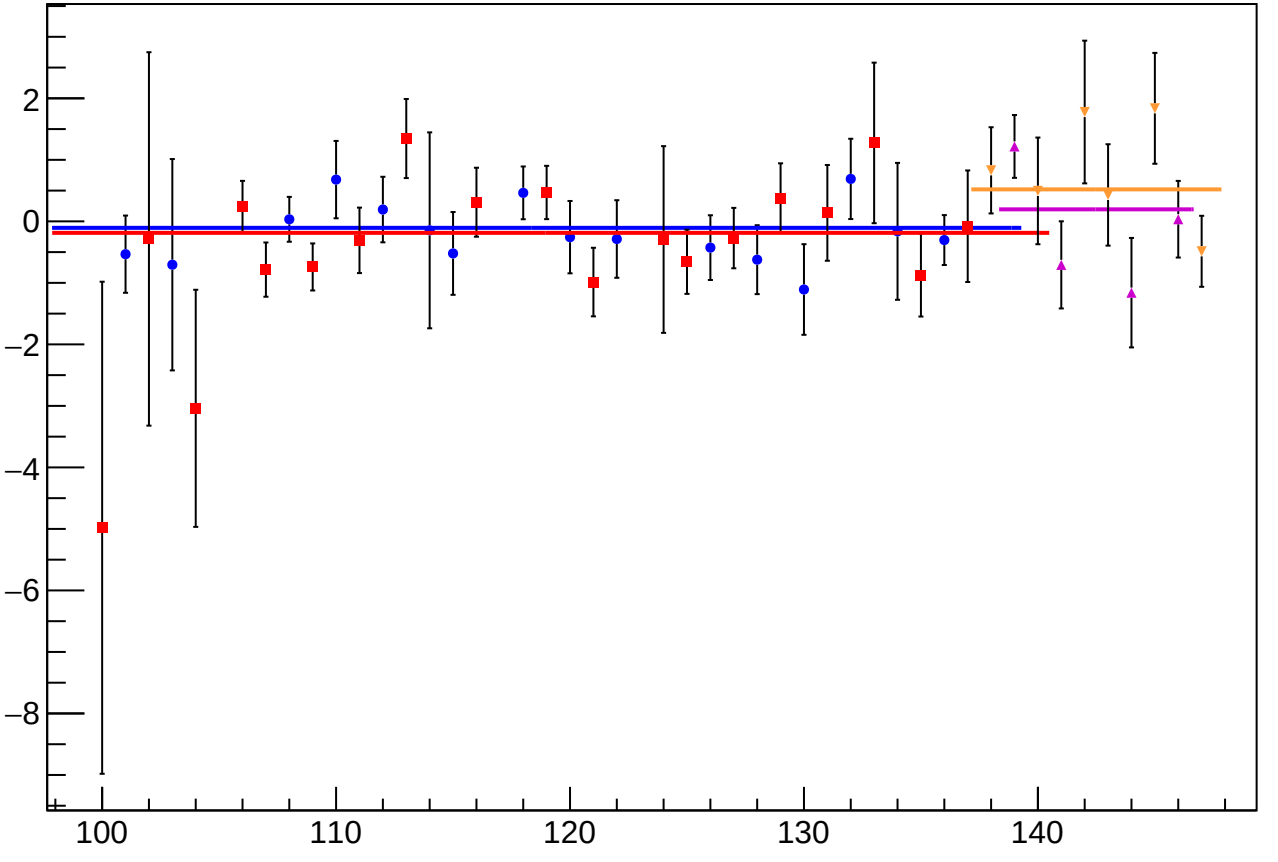
Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

+ sign 412.968+/-0.093 χ^2/NDF: 3082370.6/21

All: 389.920+/-0.064 χ^2/NDF: 6794397.4/44

- sign 368.728+/-0.089 χ^2/NDF: 3594590.9/22

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

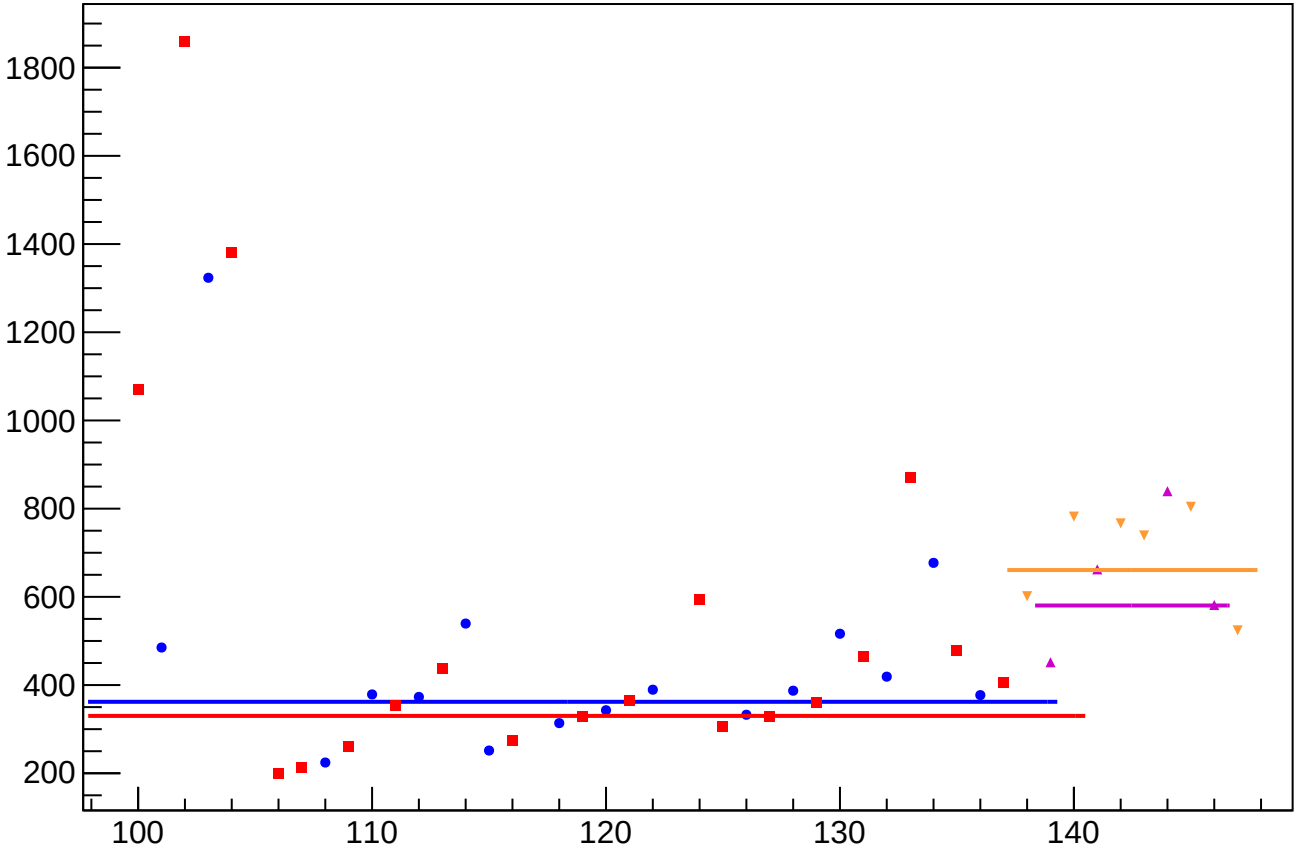
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.066+/-0.091 χ^2/NDF: 53.0/44

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

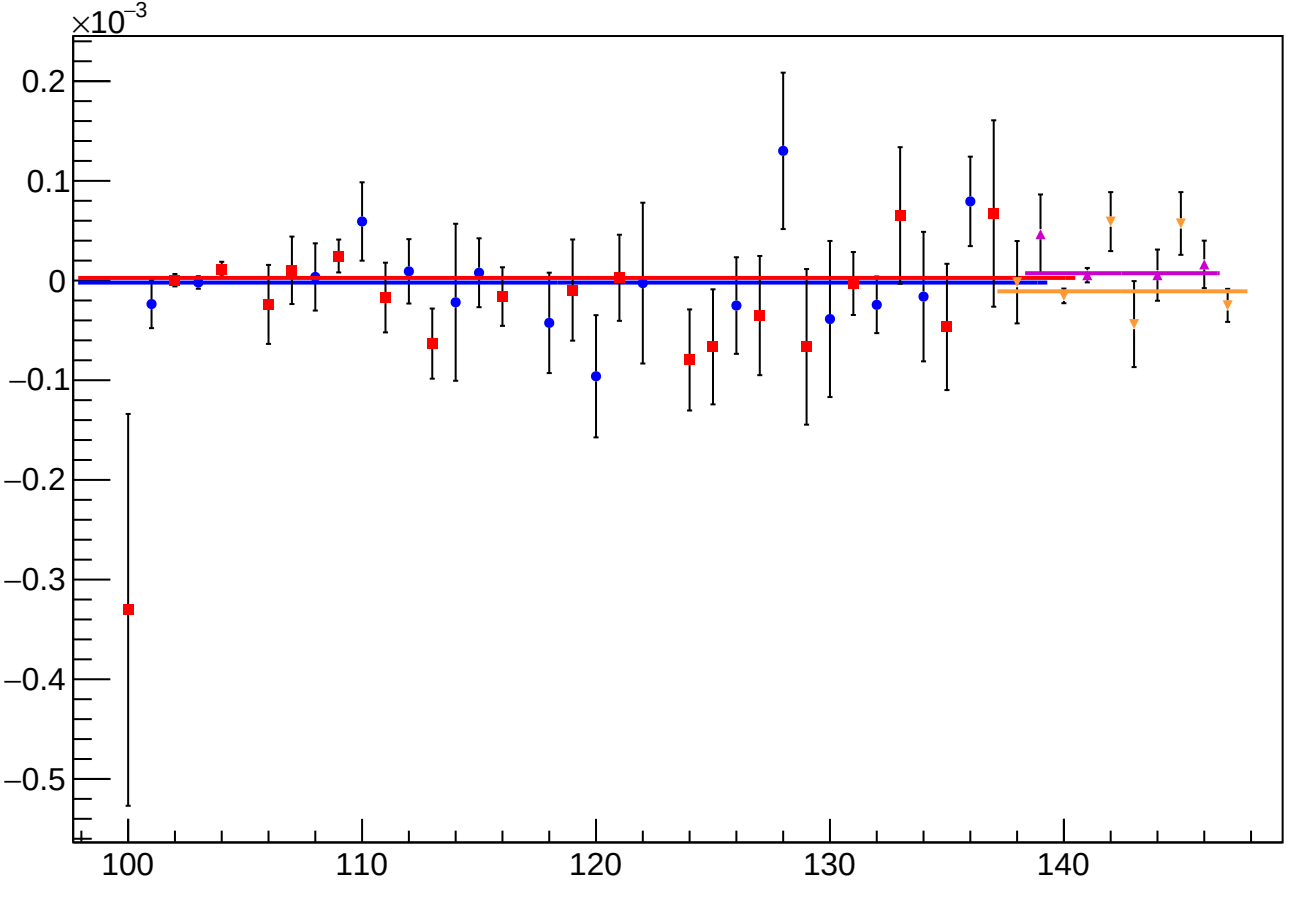
Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

+ sign 412.968+/-0.093 χ^2/NDF: 3082370.6/21

All: 389.920+/-0.064 χ^2/NDF: 6794397.4/44

- sign 368.728+/-0.089 χ^2/NDF: 3594590.9/22

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:12.0/5

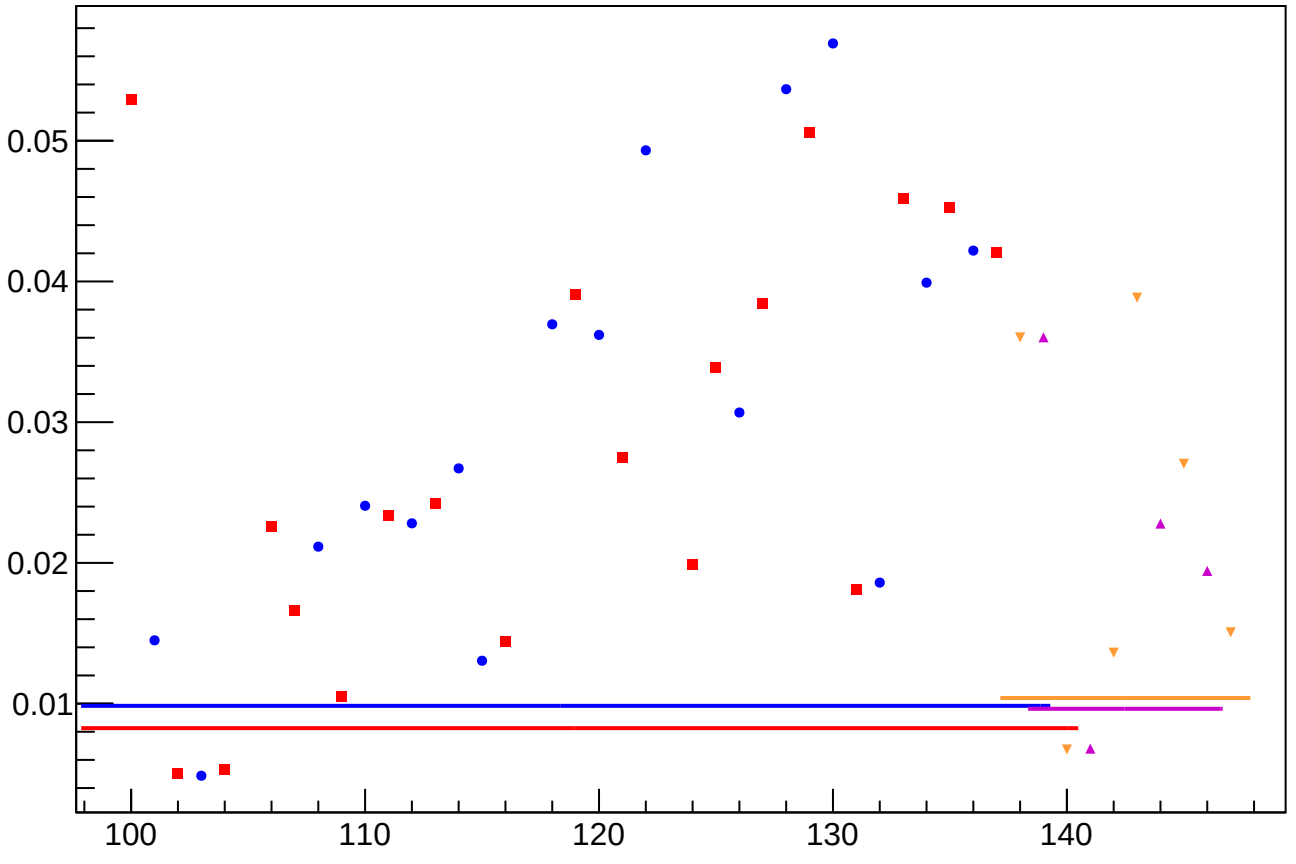
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/21

All: -0.000+/-0.000 χ^2/NDF: 49.9/44

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2877621.8/5

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

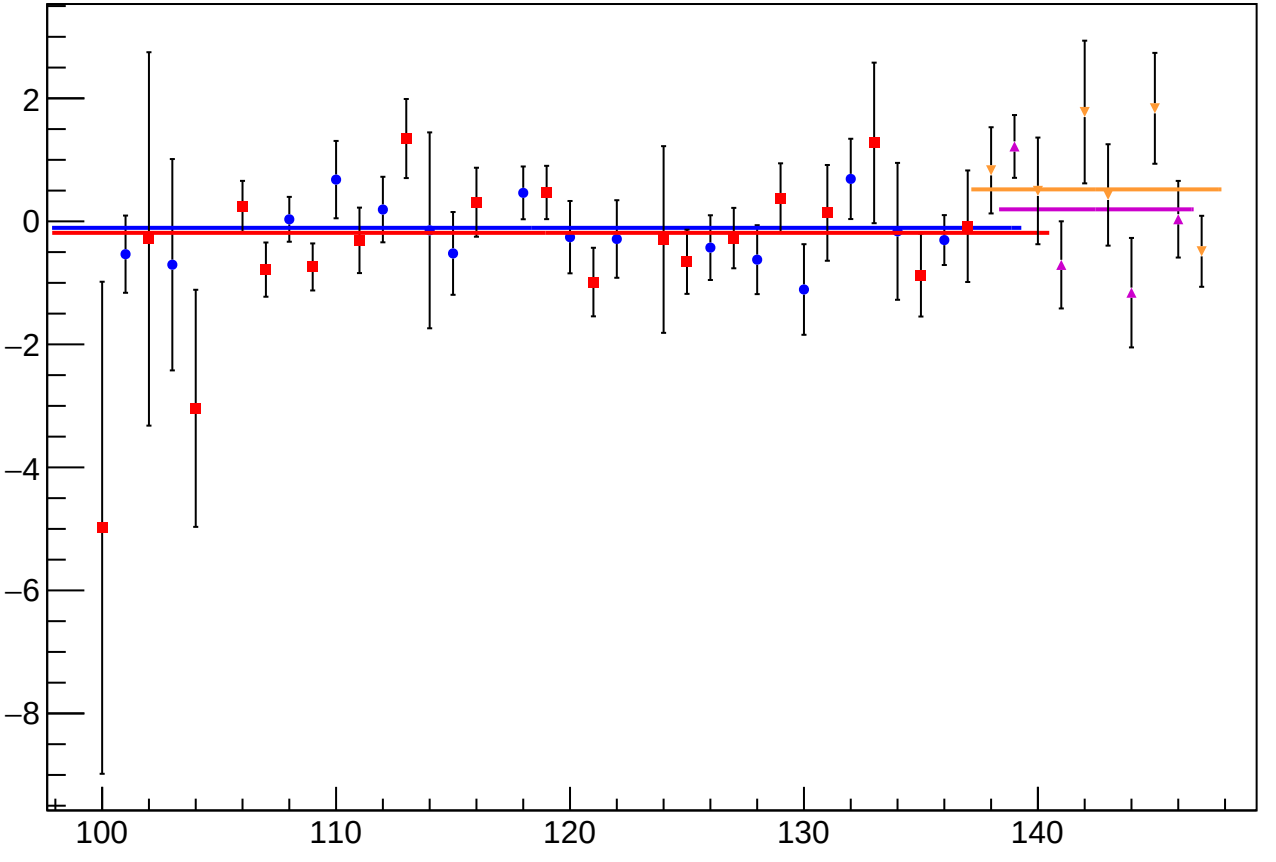
Left In: 0.010+/-0.000 χ^2/NDF:2050851.9/3

+ sign 0.010+/-0.000 χ^2/NDF: 9939092.2/21

All: 0.009+/-0.000 χ^2/NDF: 18930463.9/44

- sign 0.009+/-0.000 χ^2/NDF: 8853534.9/22

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

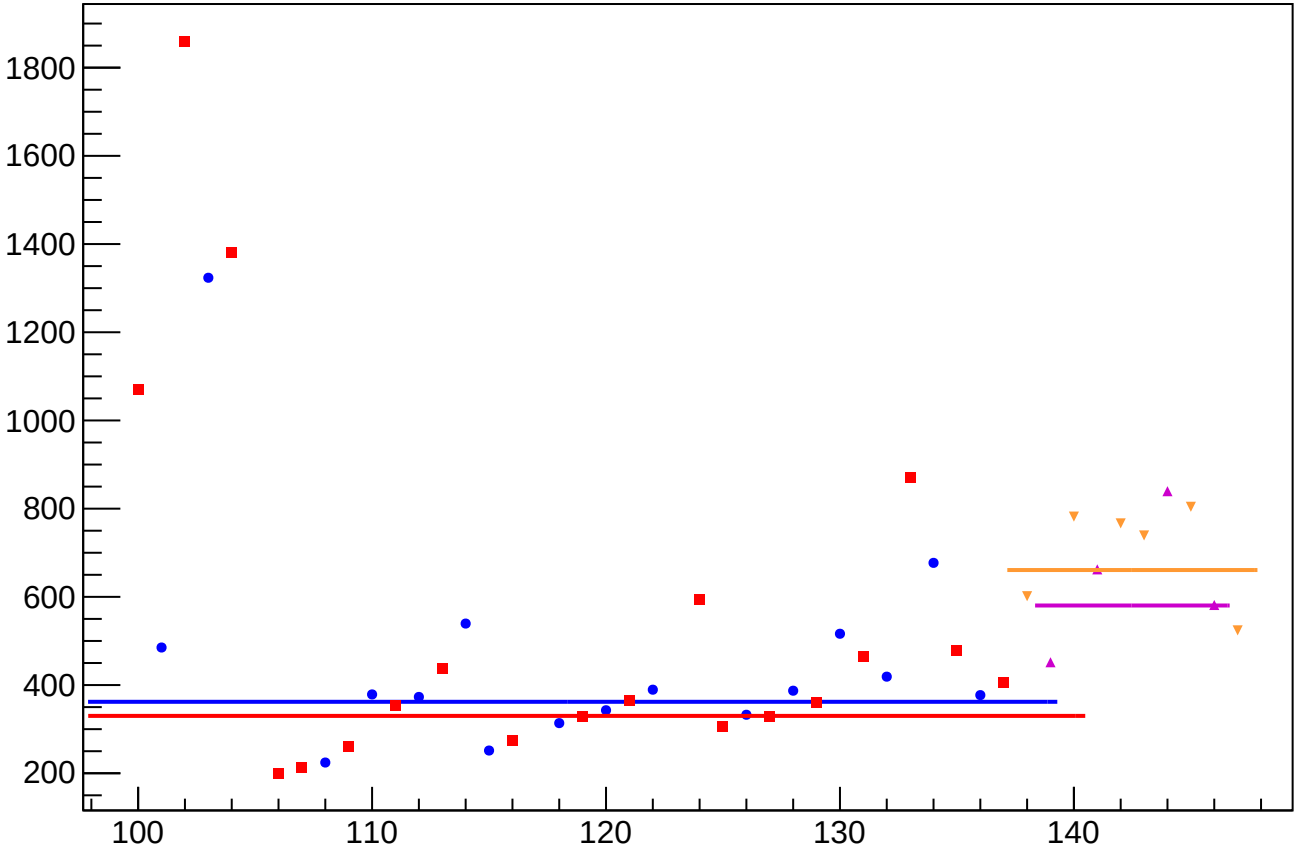
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.066+/-0.091 χ^2/NDF: 53.0/44

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 660.821+/-0.226 χ^2/NDF:251212.2/5

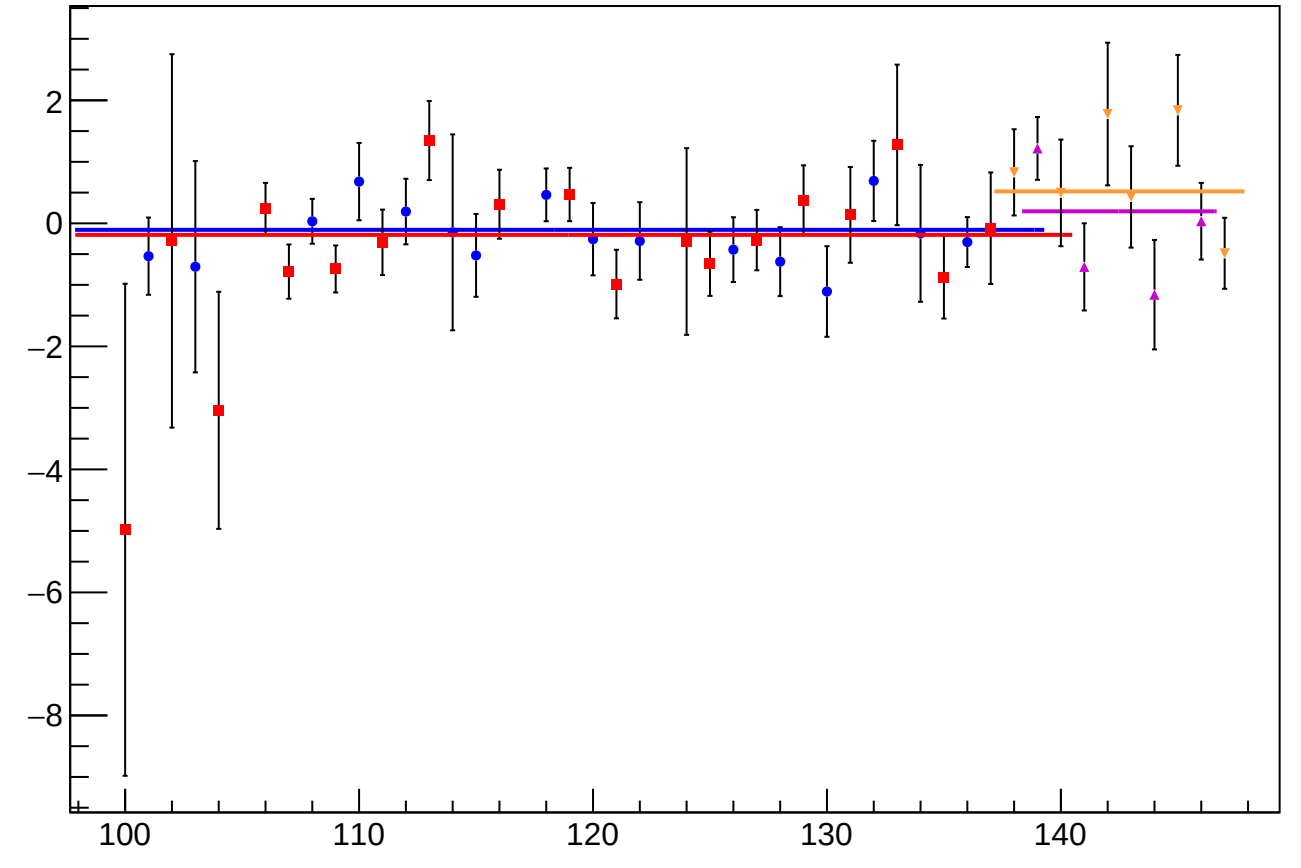
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

+ sign 412.966+/-0.093 χ^2/NDF: 3082450.3/21

All: 389.918+/-0.064 χ^2/NDF: 6794502.0/44

- sign 368.727+/-0.089 χ^2/NDF: 3594622.2/22



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

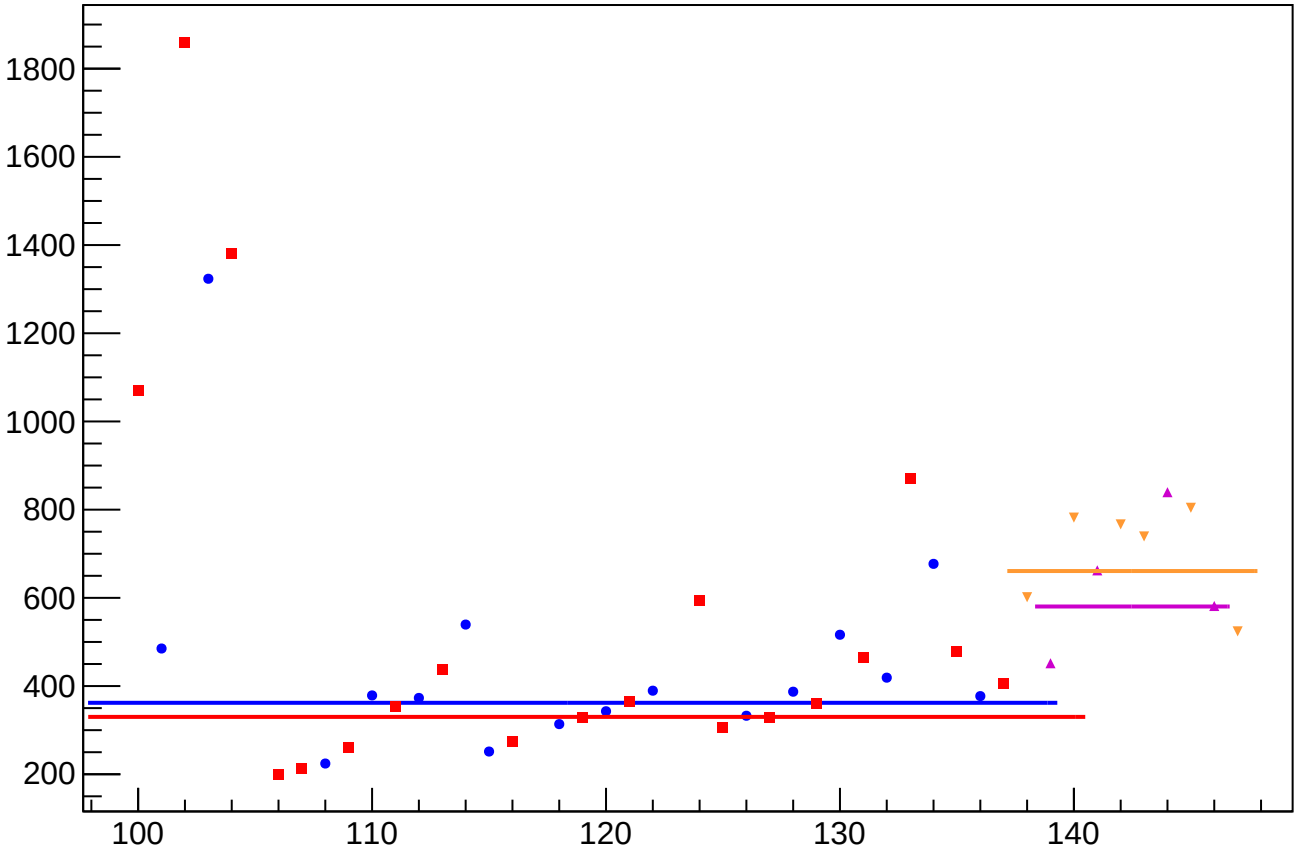
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.066+/-0.091 χ^2/NDF: 53.0/44

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

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: 660.821+/-0.226 χ^2/NDF:251212.2/5

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

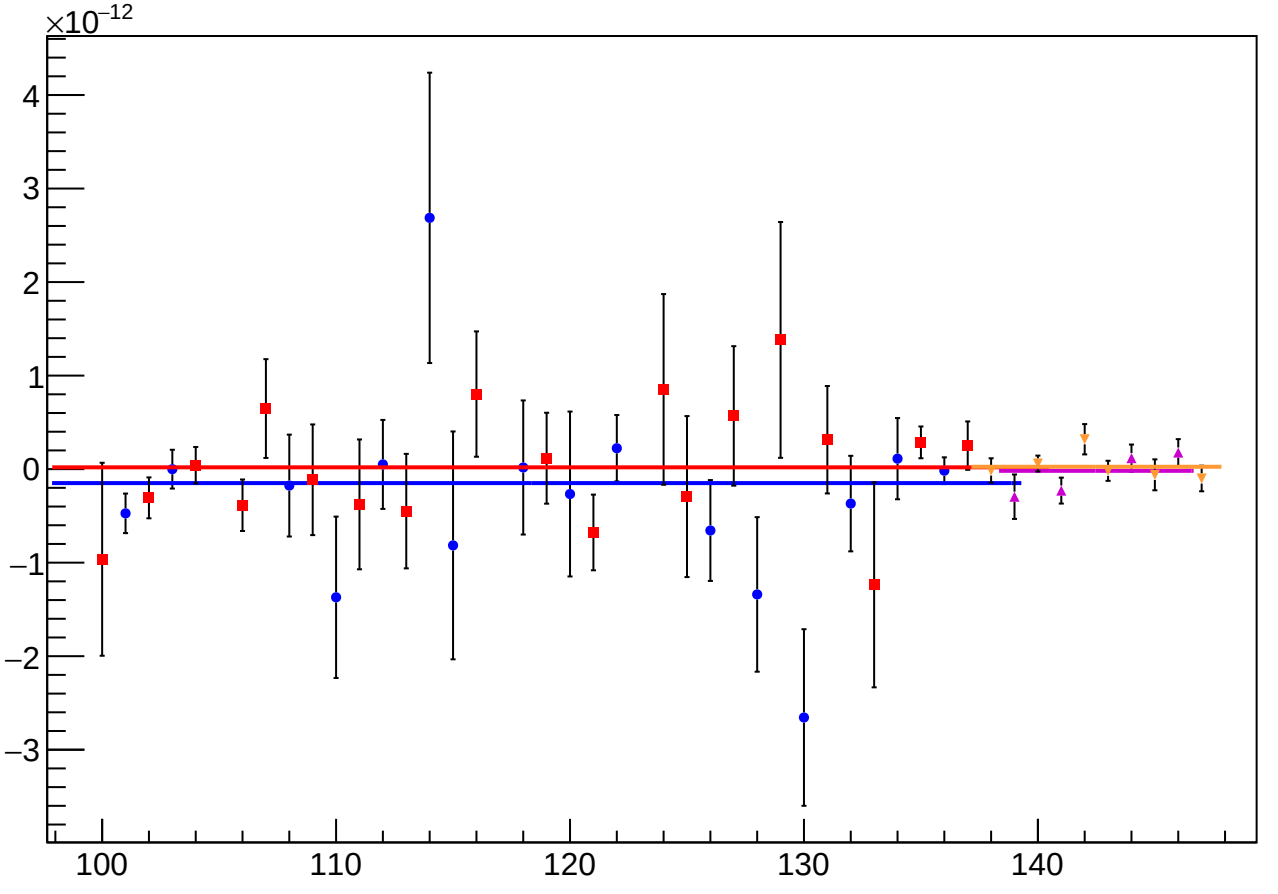
Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

+ sign 412.966+/-0.093 χ^2/NDF: 3082450.3/21

All: 389.918+/-0.064 χ^2/NDF: 6794502.0/44

- sign 368.727+/-0.089 χ^2/NDF: 3594622.2/22

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:4.8/5

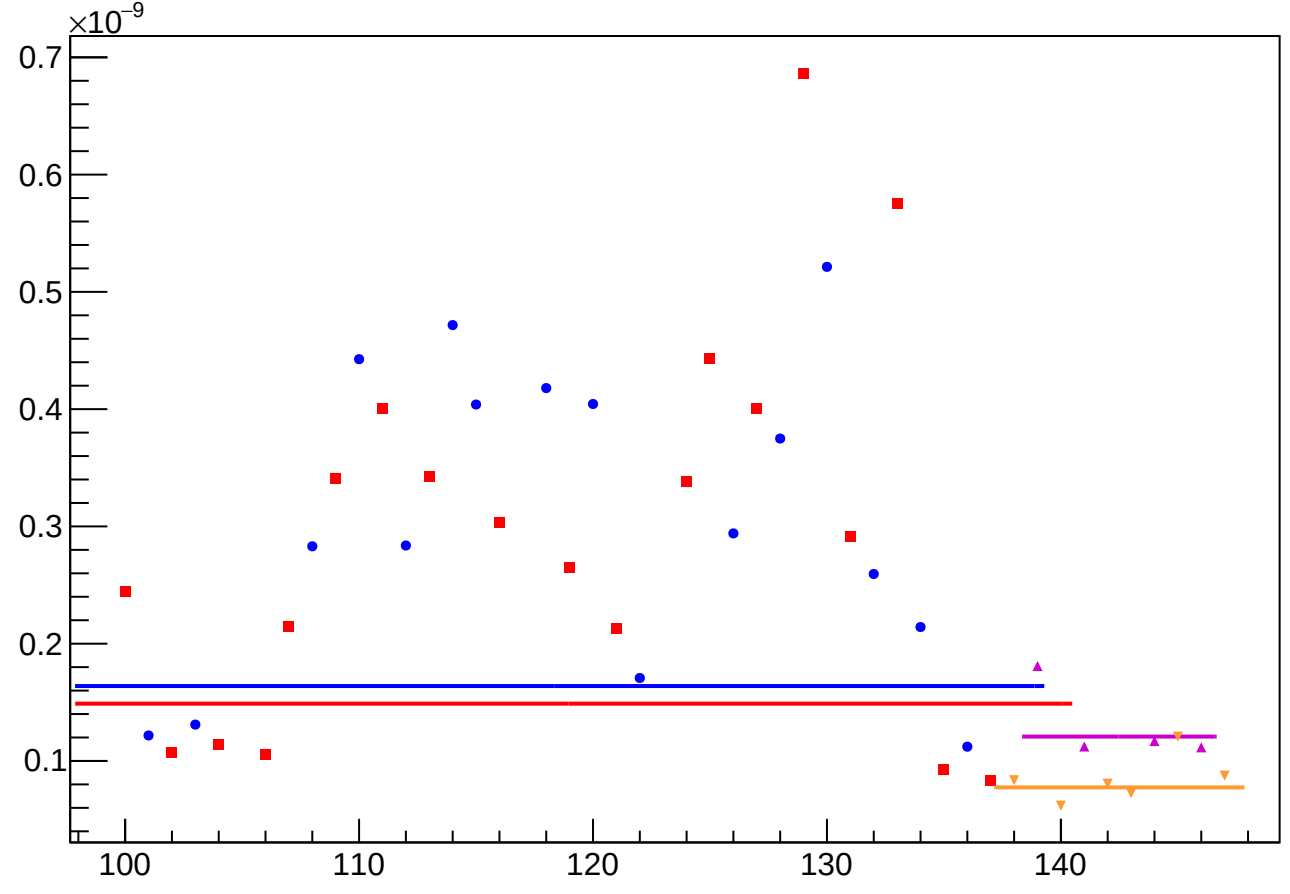
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/21

All: -0.000+/-0.000 χ^2/NDF: 55.1/44

- sign -0.000+/-0.000 χ^2/NDF: 25.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:224486.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

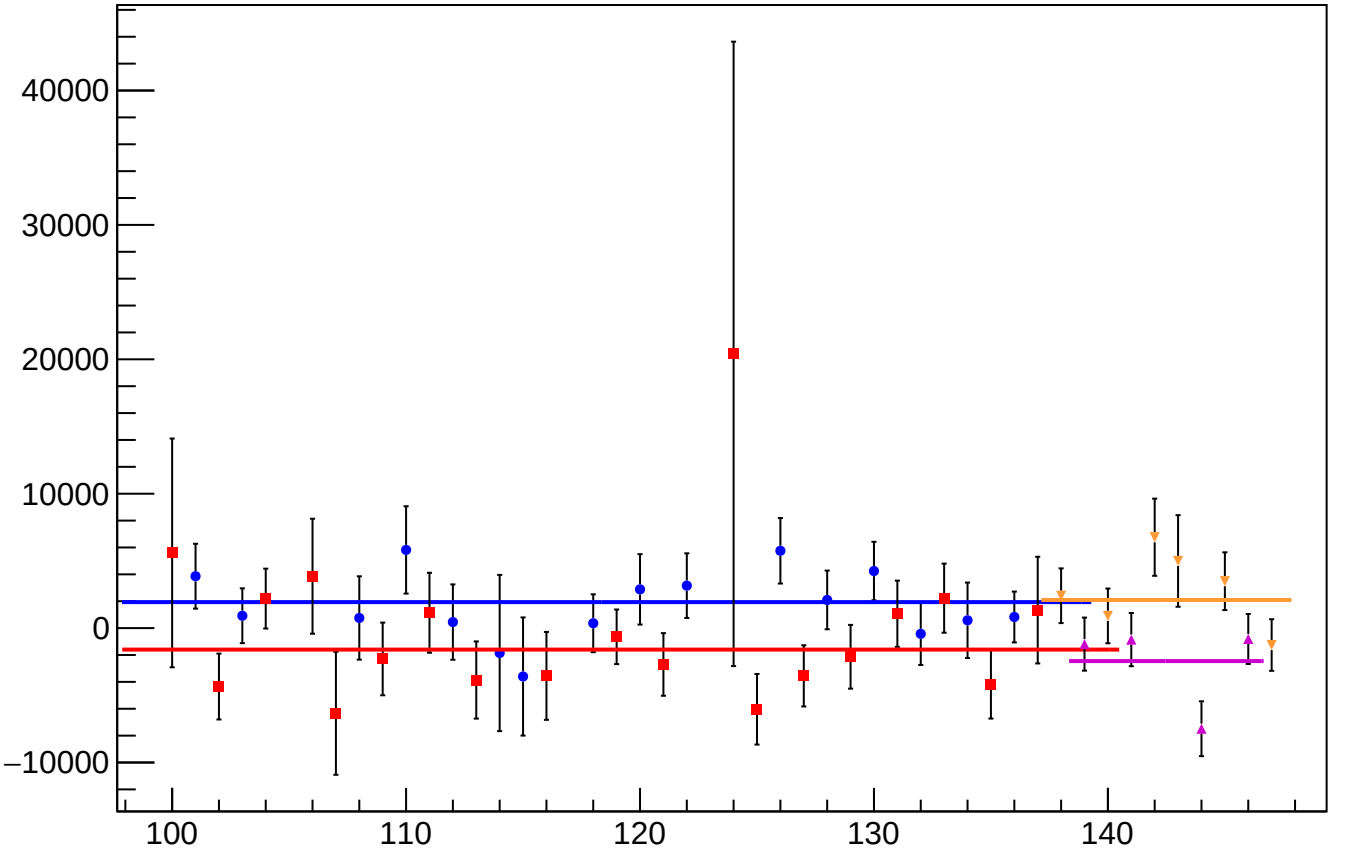
Left In: 0.000+/-0.000 χ^2/NDF:145315.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3722618.0/21

All: 0.000+/-0.000 χ^2/NDF: 7330529.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3112649.1/22

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.823+/-921.225 χ^2/NDF:7.2/5

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

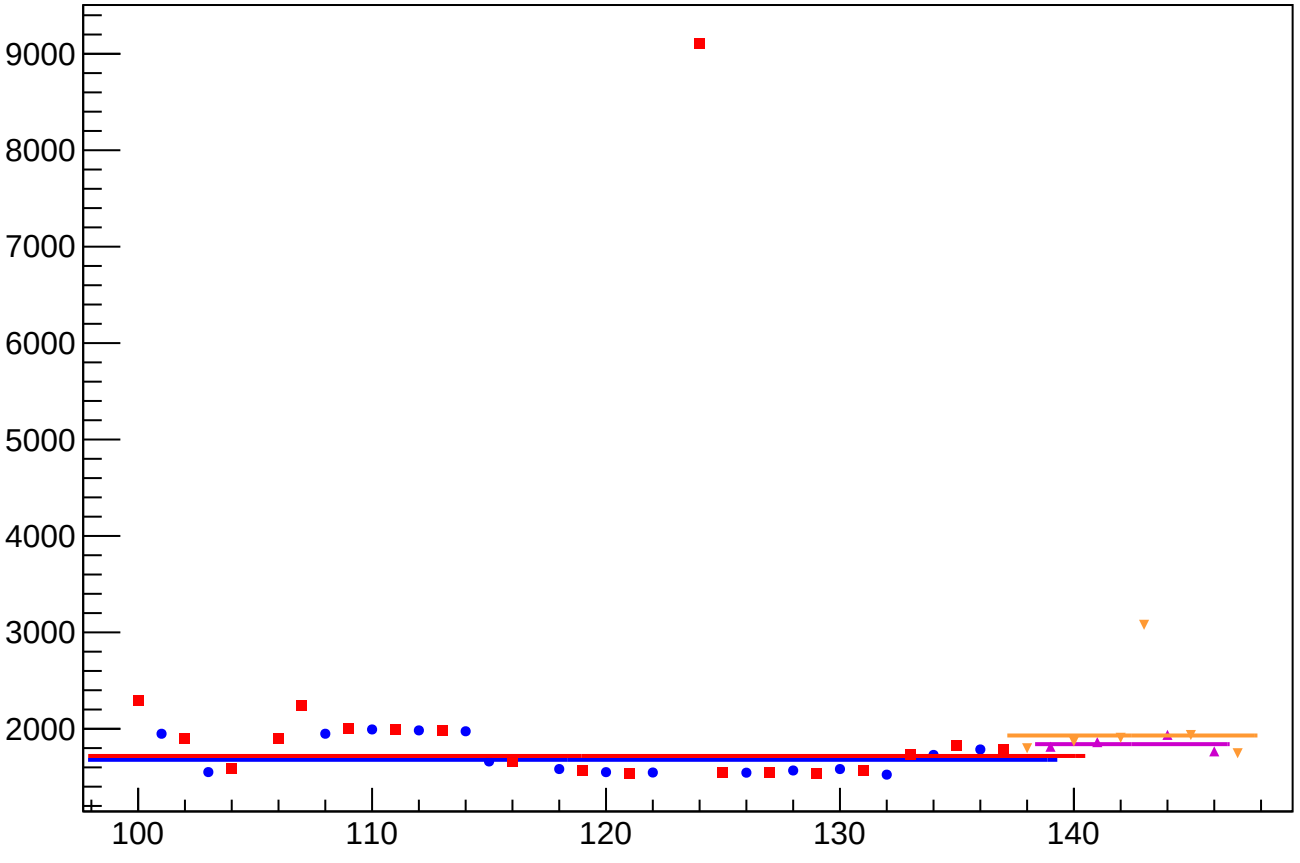
Left In: -2452.763+/-980.121 χ^2/NDF:7.9/3

+ sign 1985.210+/-518.828 χ^2/NDF: 18.1/21

All: 131.909+/-373.182 χ^2/NDF: 72.4/44

- sign -1854.717+/-537.166 χ^2/NDF: 27.8/22

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

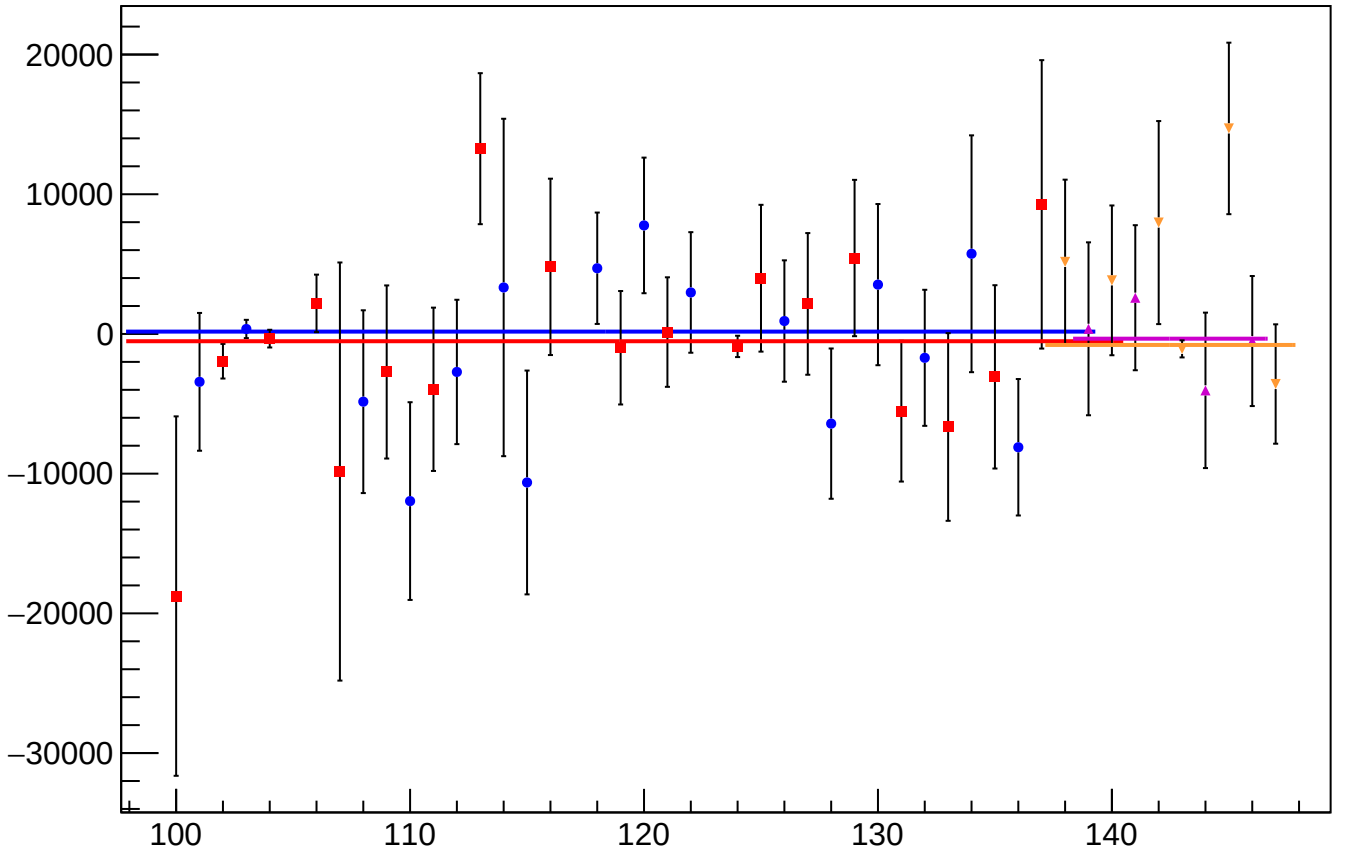
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1758.519+/-0.367 χ^2/NDF: 499622.9/21

All: 1756.765+/-0.263 χ^2/NDF: 913078.8/44

- sign 1754.897+/-0.379 χ^2/NDF: 413408.8/22



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -787.794+/-592.567 χ^2/NDF:10.2/5

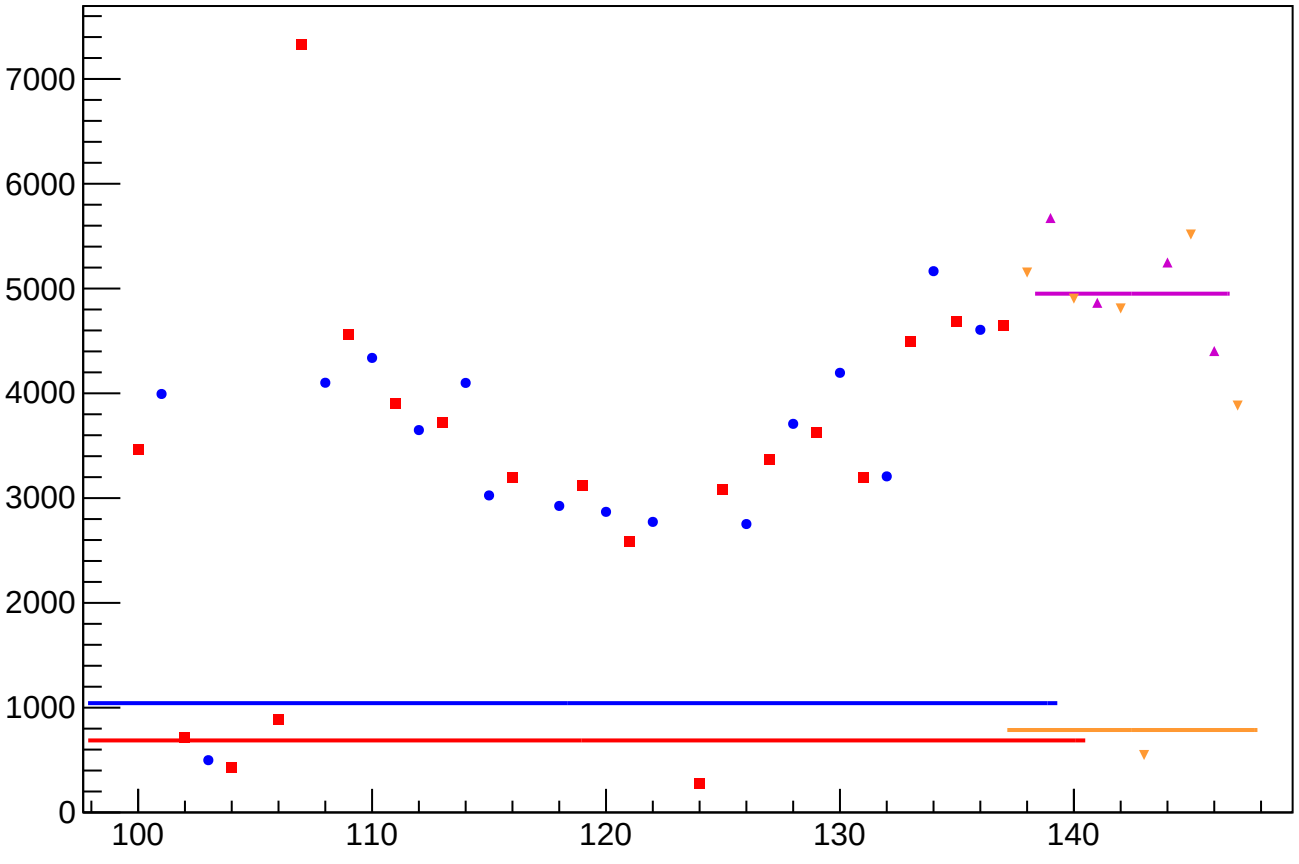
Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -339.019+/-2656.747 χ^2/NDF:0.8/3

+ sign -308.980+/-418.668 χ^2/NDF: 27.4/21

All: -412.566+/-296.321 χ^2/NDF: 46.8/44

- sign -516.542+/-419.455 χ^2/NDF: 19.3/22



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 786.803+/-0.419 χ^2/NDF:5435113.8/5

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

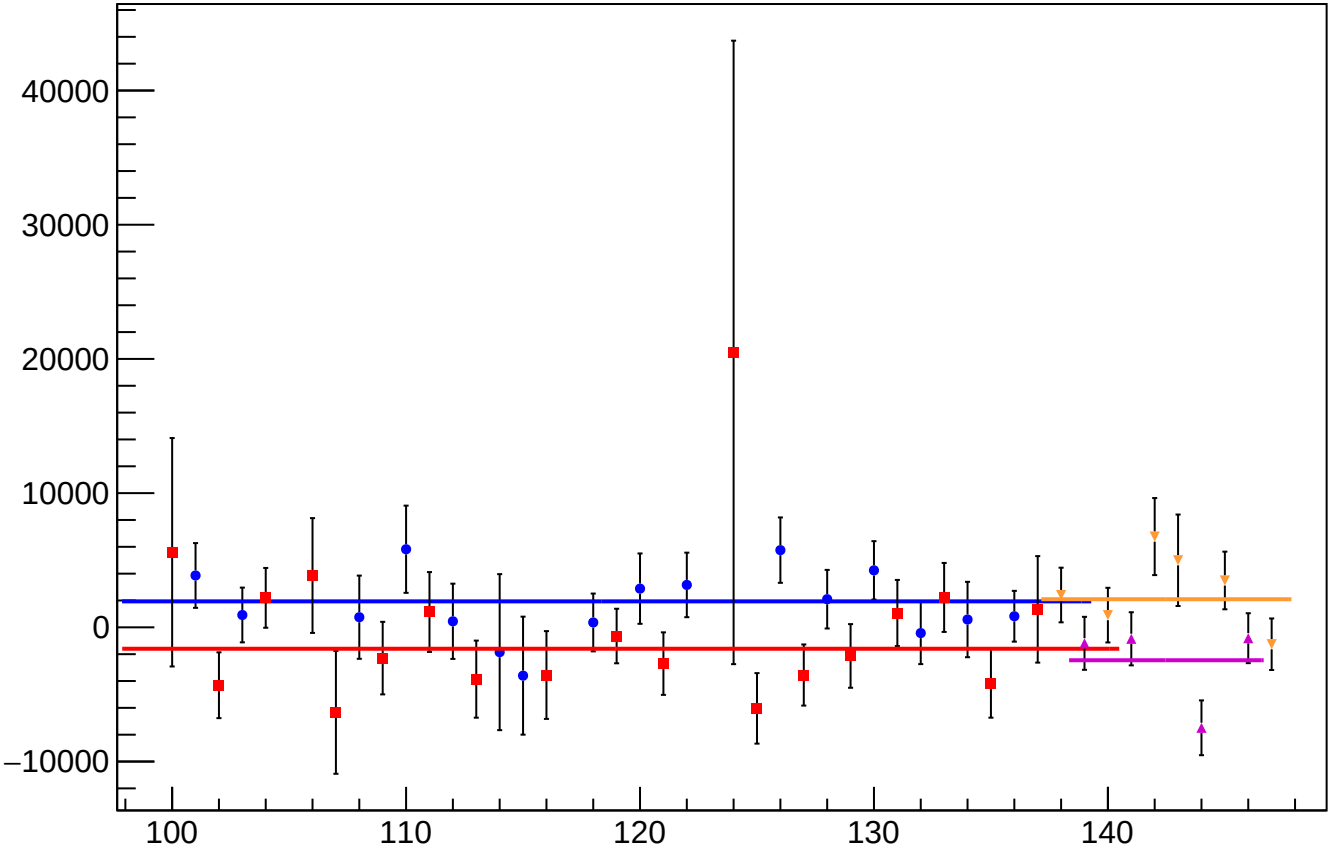
Left In: 4950.964+/-1.879 χ^2/NDF:61180.3/3

+ sign 915.168+/-0.296 χ^2/NDF: 13734413.6/21

All: 854.502+/-0.210 χ^2/NDF: 27533844.2/44

- sign 793.609+/-0.297 χ^2/NDF: 13715288.1/22

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

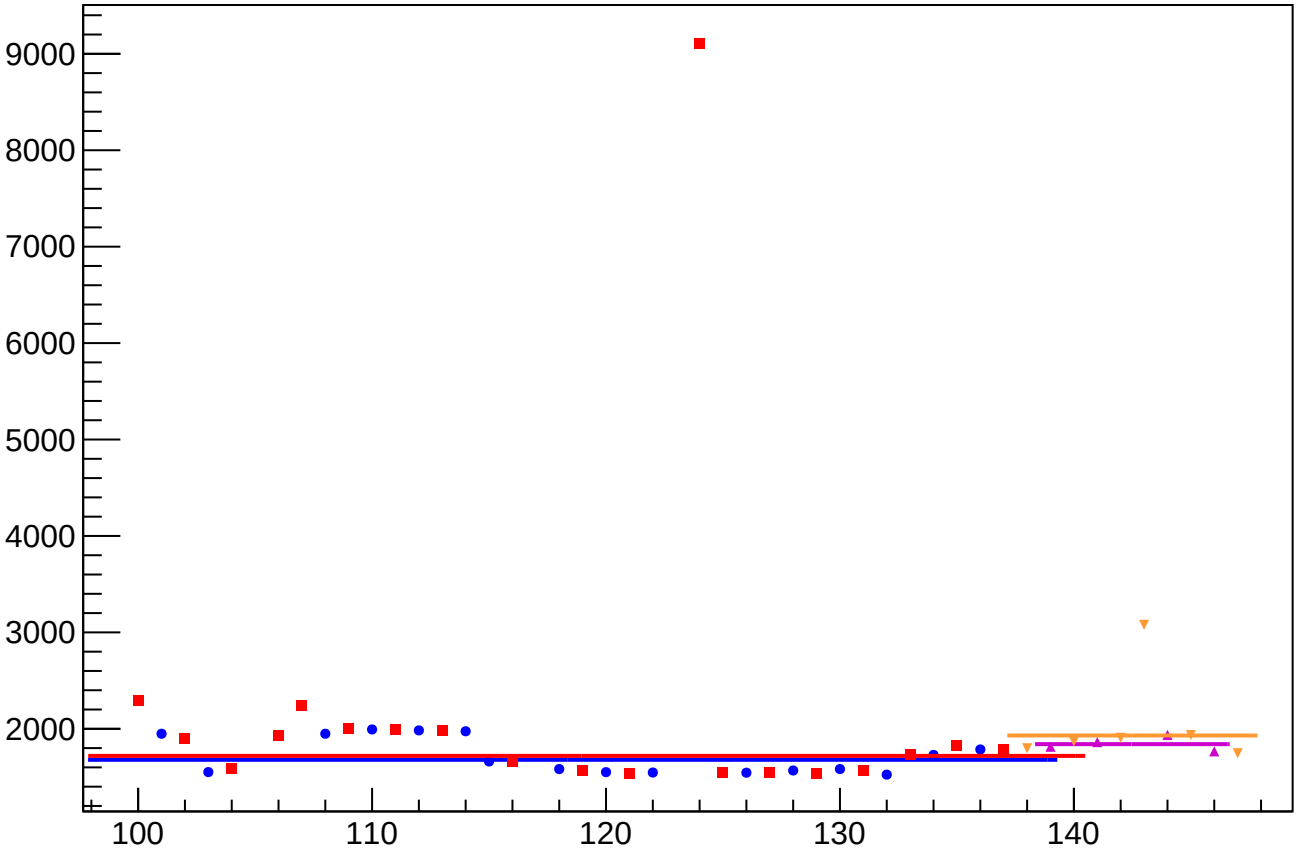
Left In: -2452.895+/-980.121 χ^2/NDF:7.9/3

+ sign 1985.306+/-518.828 χ^2/NDF: 18.1/21

All: 132.772+/-373.183 χ^2/NDF: 72.4/44

- sign -1853.054+/-537.169 χ^2/NDF: 27.8/22

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

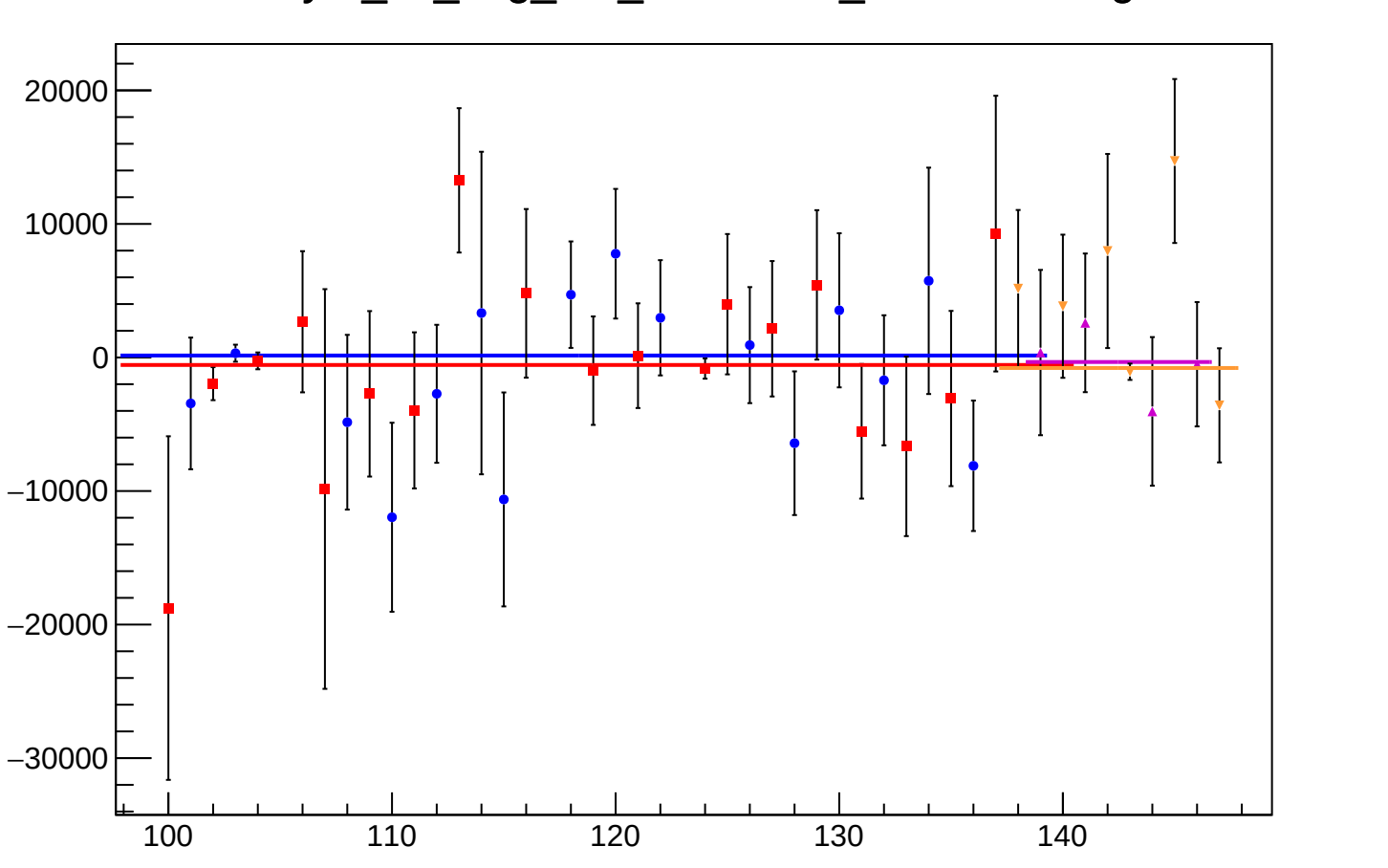
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1758.519+/-0.367 χ^2/NDF: 499623.1/21

All: 1757.061+/-0.264 χ^2/NDF: 914503.3/44

- sign 1755.507+/-0.379 χ^2/NDF: 414847.6/22



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

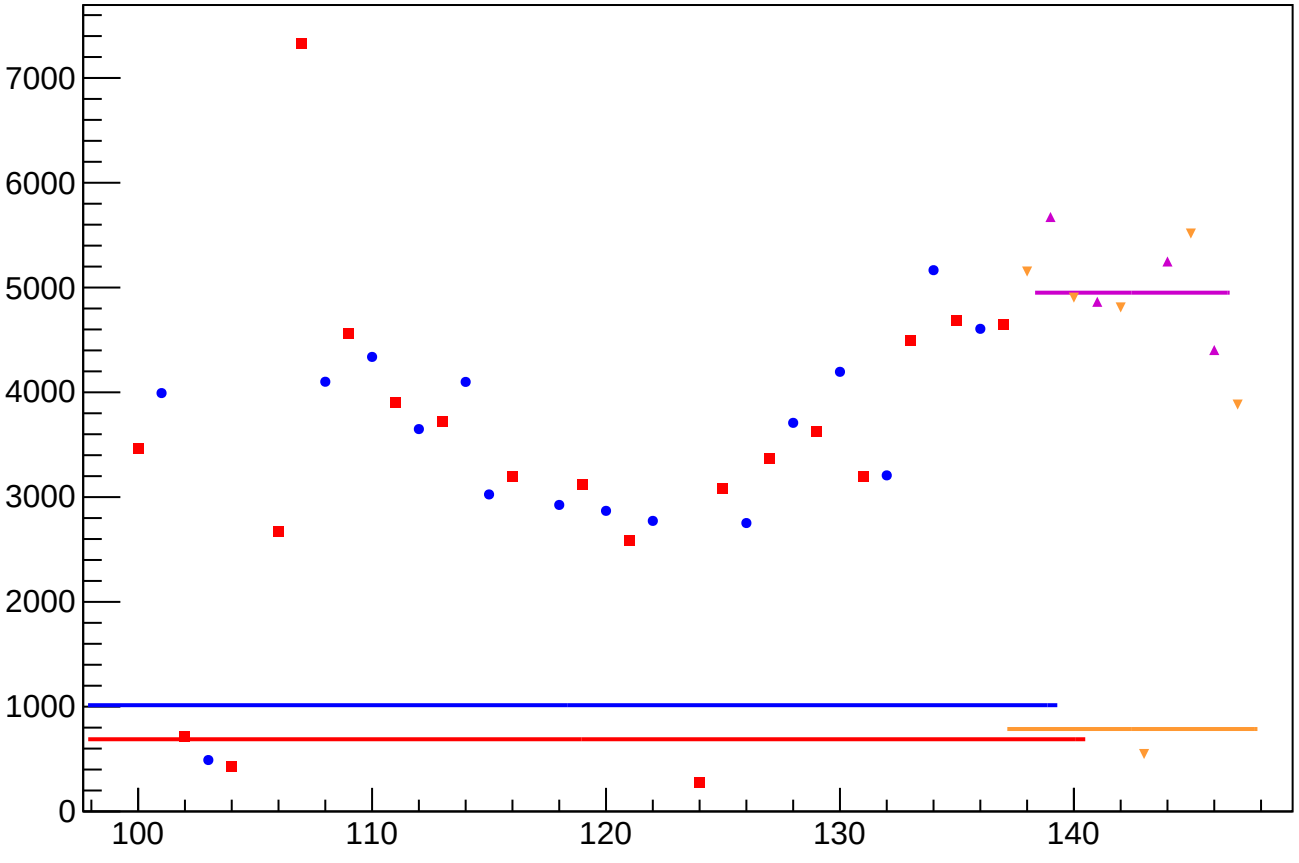
Left In: -339.057+/-2656.742 χ^2/NDF:0.8/3

+ sign -309.929+/-414.250 χ^2/NDF: 27.3/21

All: -429.675+/-296.672 χ^2/NDF: 45.5/44

- sign -555.761+/-425.074 χ^2/NDF: 18.0/22

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

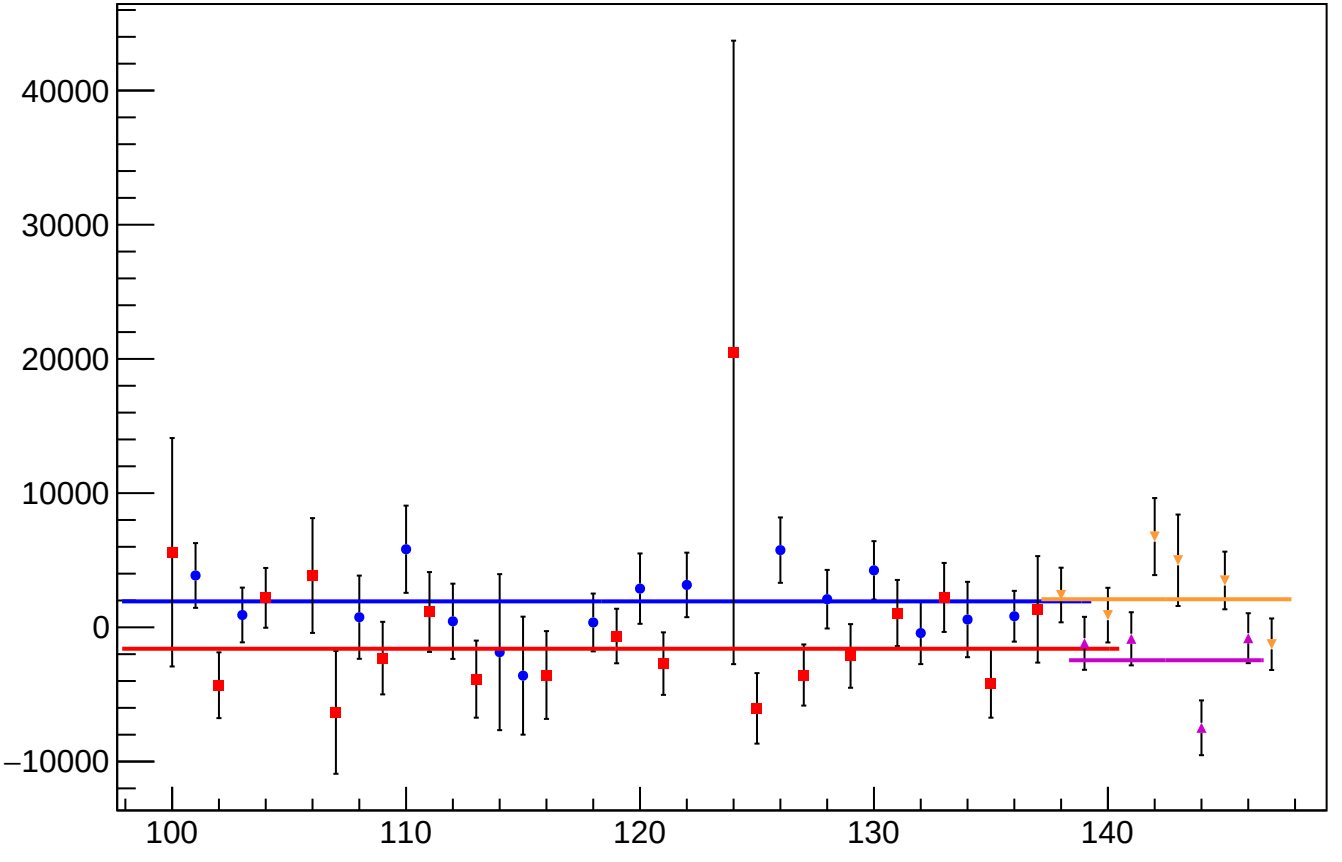
Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

+ sign 902.987+/-0.293 χ^2/NDF: 13808718.1/21

All: 851.923+/-0.210 χ^2/NDF: 27857700.2/44

- sign 798.157+/-0.301 χ^2/NDF: 13986594.0/22

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

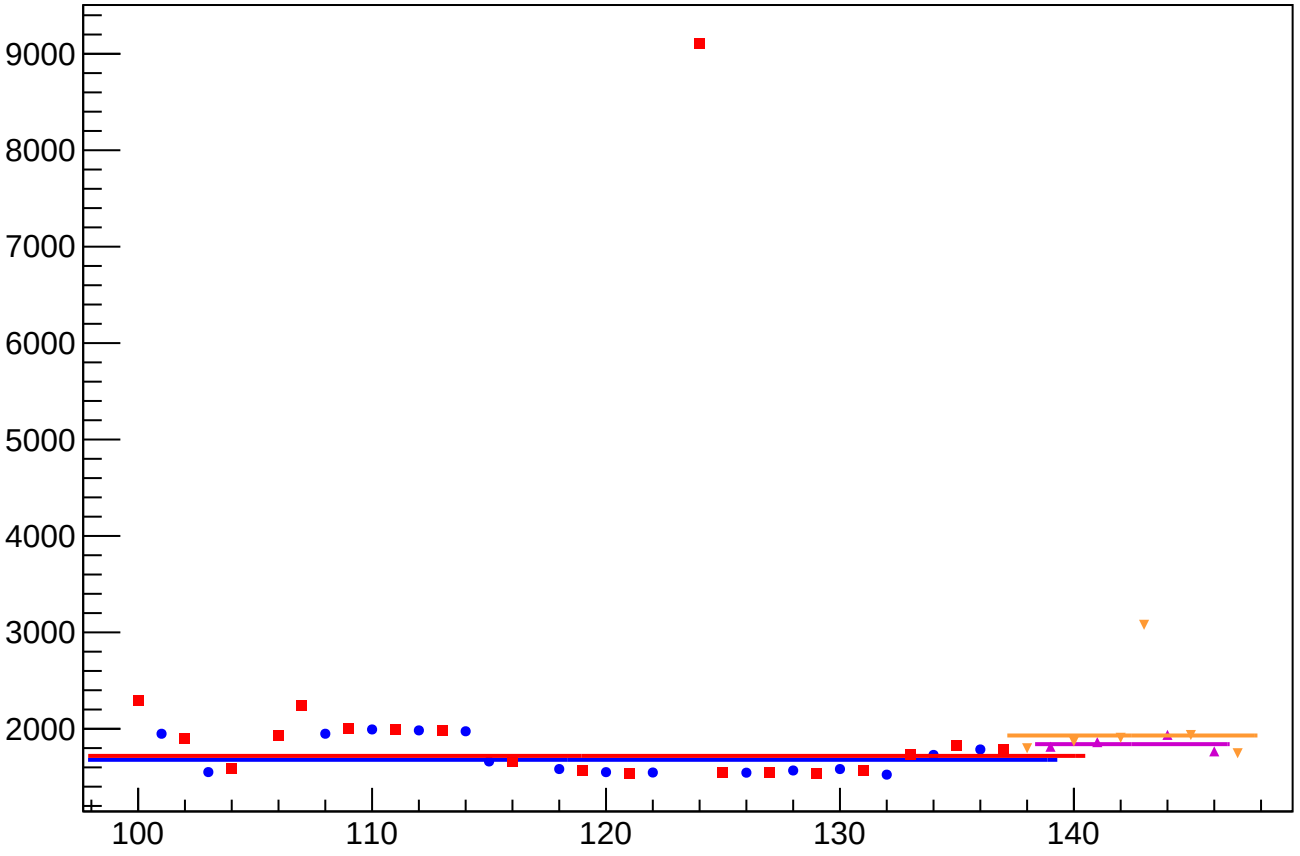
Left In: -2452.895+/-980.121 χ^2/NDF:7.9/3

+ sign 1985.306+/-518.828 χ^2/NDF: 18.1/21

All: 132.772+/-373.183 χ^2/NDF: 72.4/44

- sign -1853.054+/-537.169 χ^2/NDF: 27.8/22

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

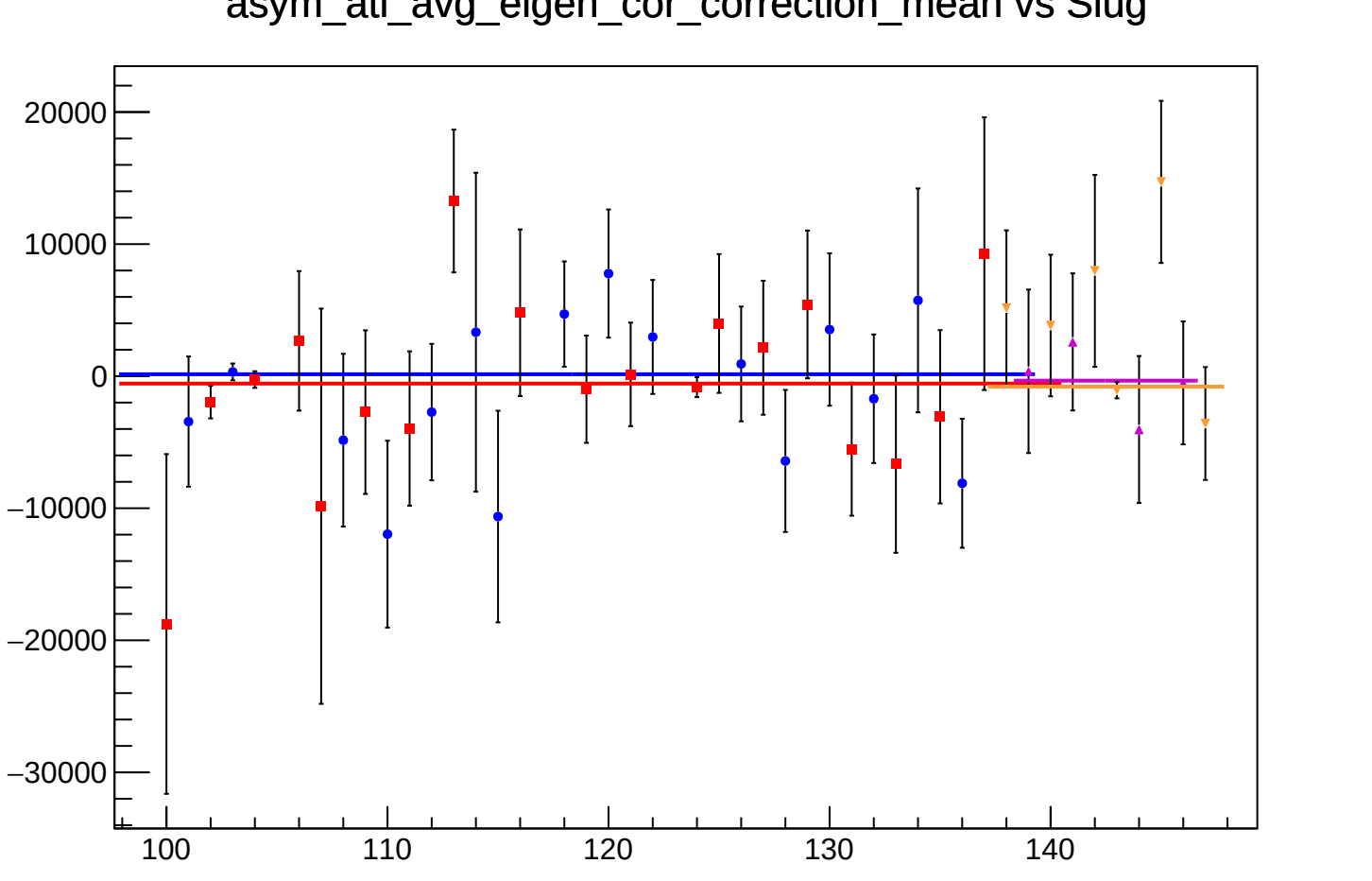
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1758.519+/-0.367 χ^2/NDF: 499623.1/21

All: 1757.061+/-0.264 χ^2/NDF: 914503.3/44

- sign 1755.507+/-0.379 χ^2/NDF: 414847.6/22



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

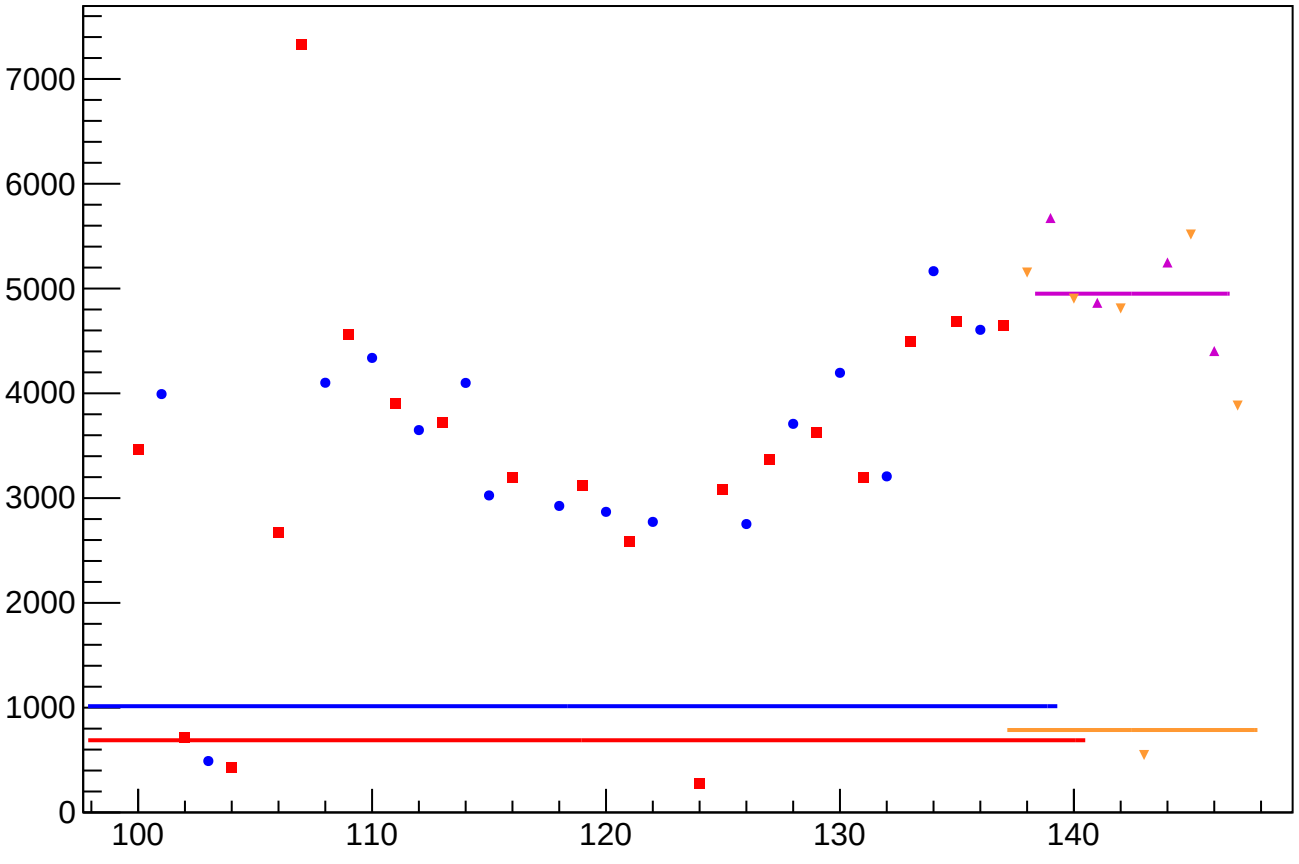
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -339.057+/-2656.742 χ^2/NDF:0.8/3

+ sign -309.929+/-414.250 χ^2/NDF: 27.3/21

All: -429.675+/-296.672 χ^2/NDF: 45.5/44

- sign -555.761+/-425.074 χ^2/NDF: 18.0/22



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

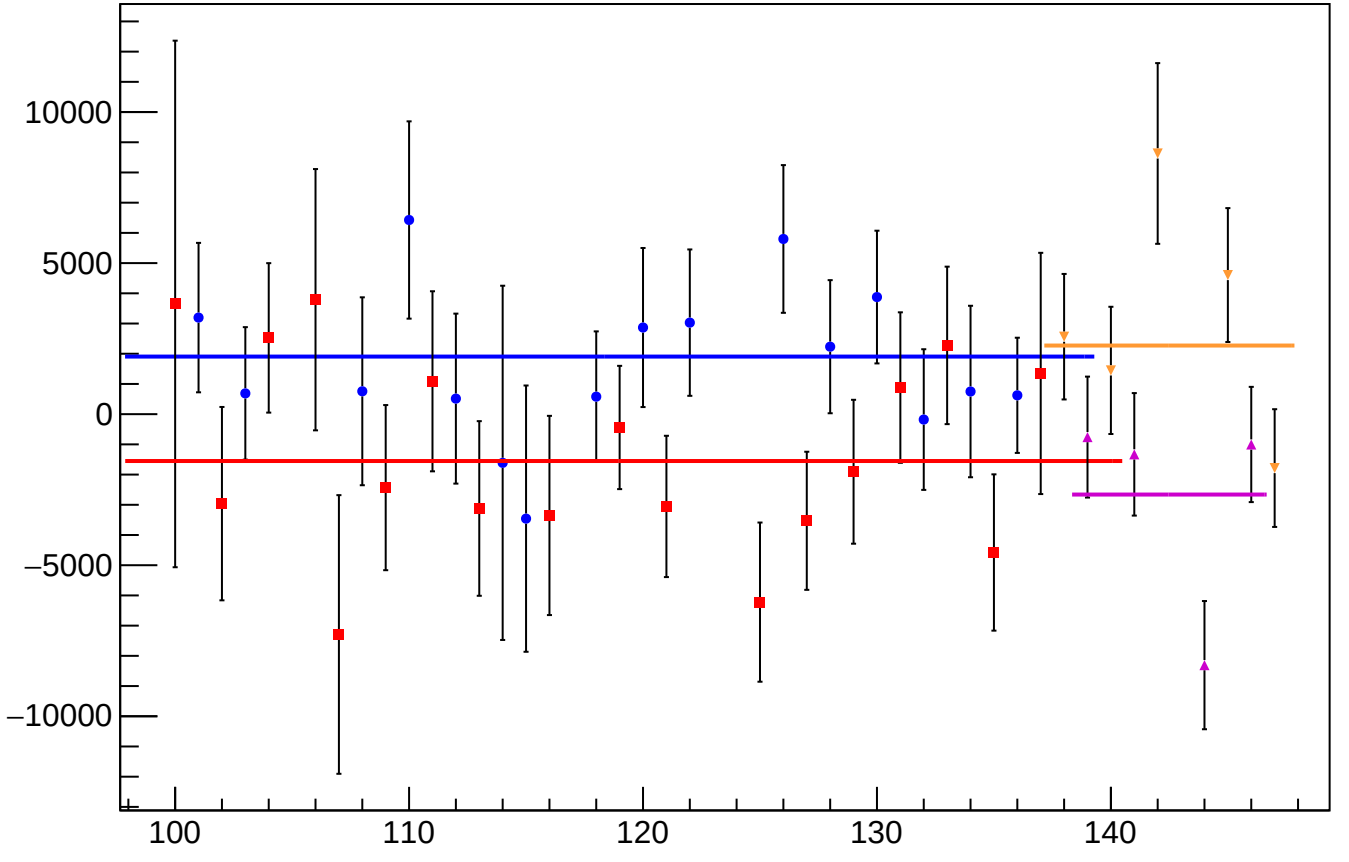
Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

+ sign 902.987+/-0.293 χ^2/NDF: 13808718.1/21

All: 851.923+/-0.210 χ^2/NDF: 27857700.2/44

- sign 798.157+/-0.301 χ^2/NDF: 13986594.0/22

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.383+/-982.431 χ^2/NDF:10.1/4

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

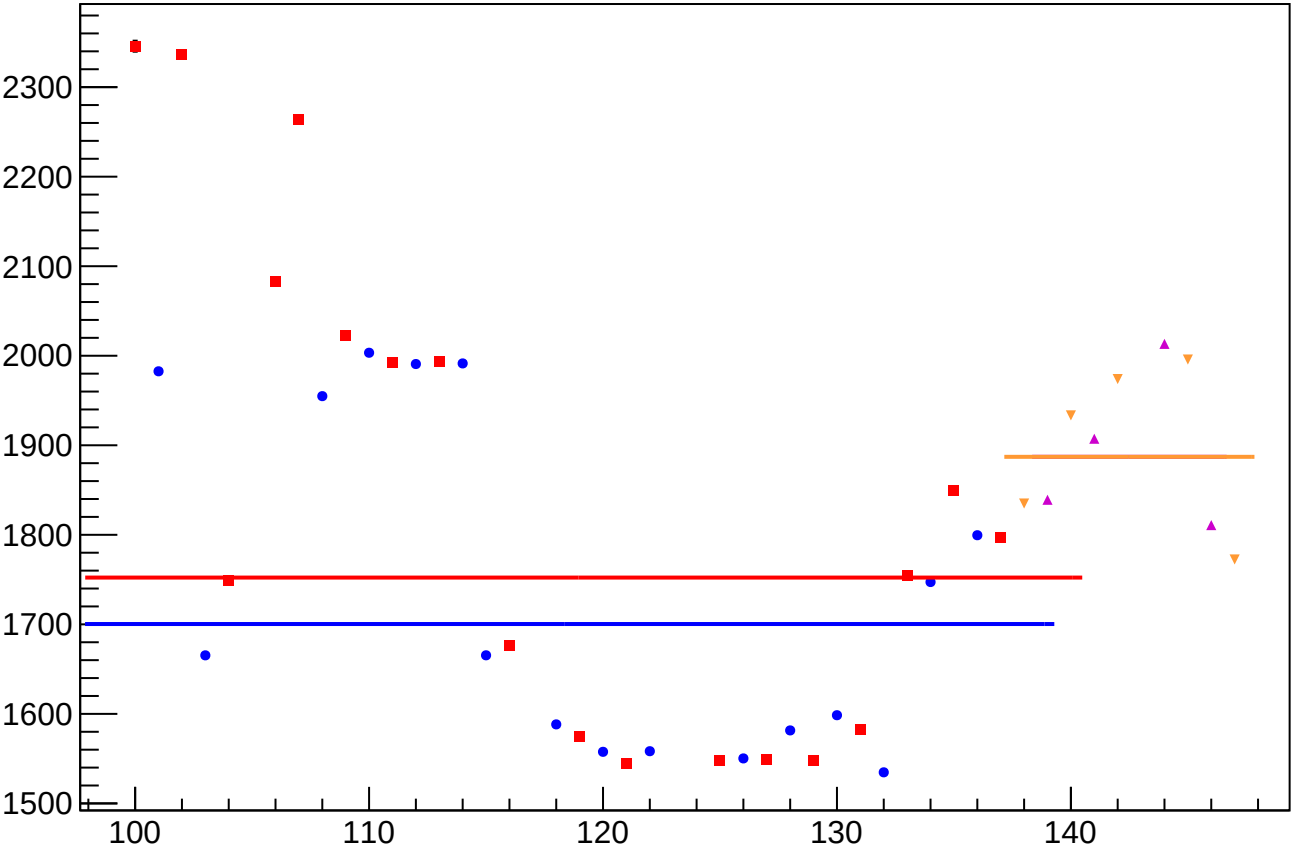
Left In: -2660.906+/-1005.087 χ^2/NDF:9.2/3

+ sign 2014.155+/-534.146 χ^2/NDF: 20.5/20

All: 129.173+/-383.957 χ^2/NDF: 73.7/42

- sign -1886.137+/-552.303 χ^2/NDF: 27.5/21

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1887.102+/-0.695 χ^2/NDF:15645.6/4

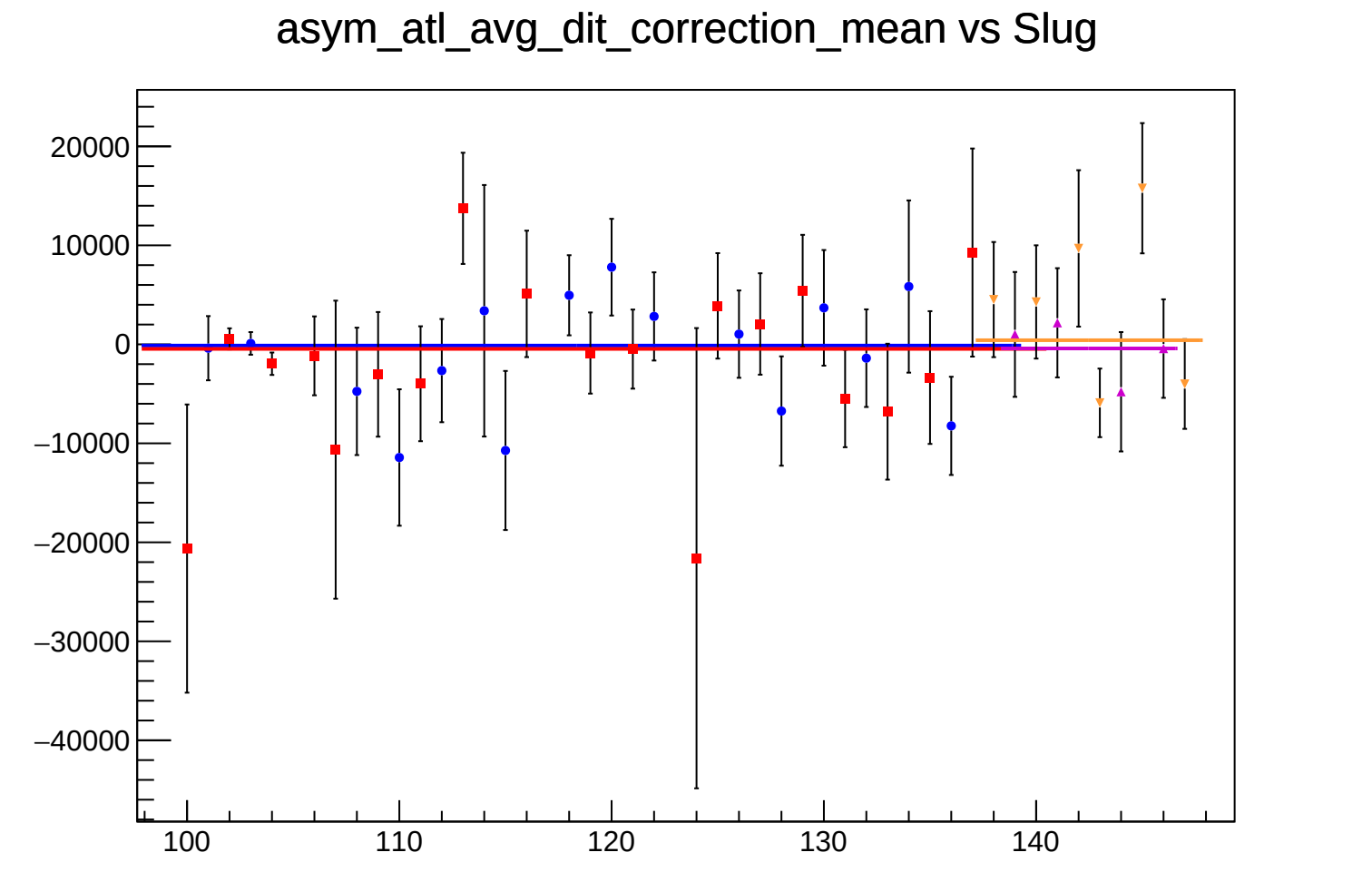
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1887.116+/-0.711 χ^2/NDF:11615.8/3

+ sign 1755.560+/-0.378 χ^2/NDF: 201967.5/20

All: 1773.605+/-0.271 χ^2/NDF: 491426.6/42

- sign 1792.837+/-0.390 χ^2/NDF: 284744.0/21



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 416.552+/-2079.200 χ^2/NDF:12.1/5

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

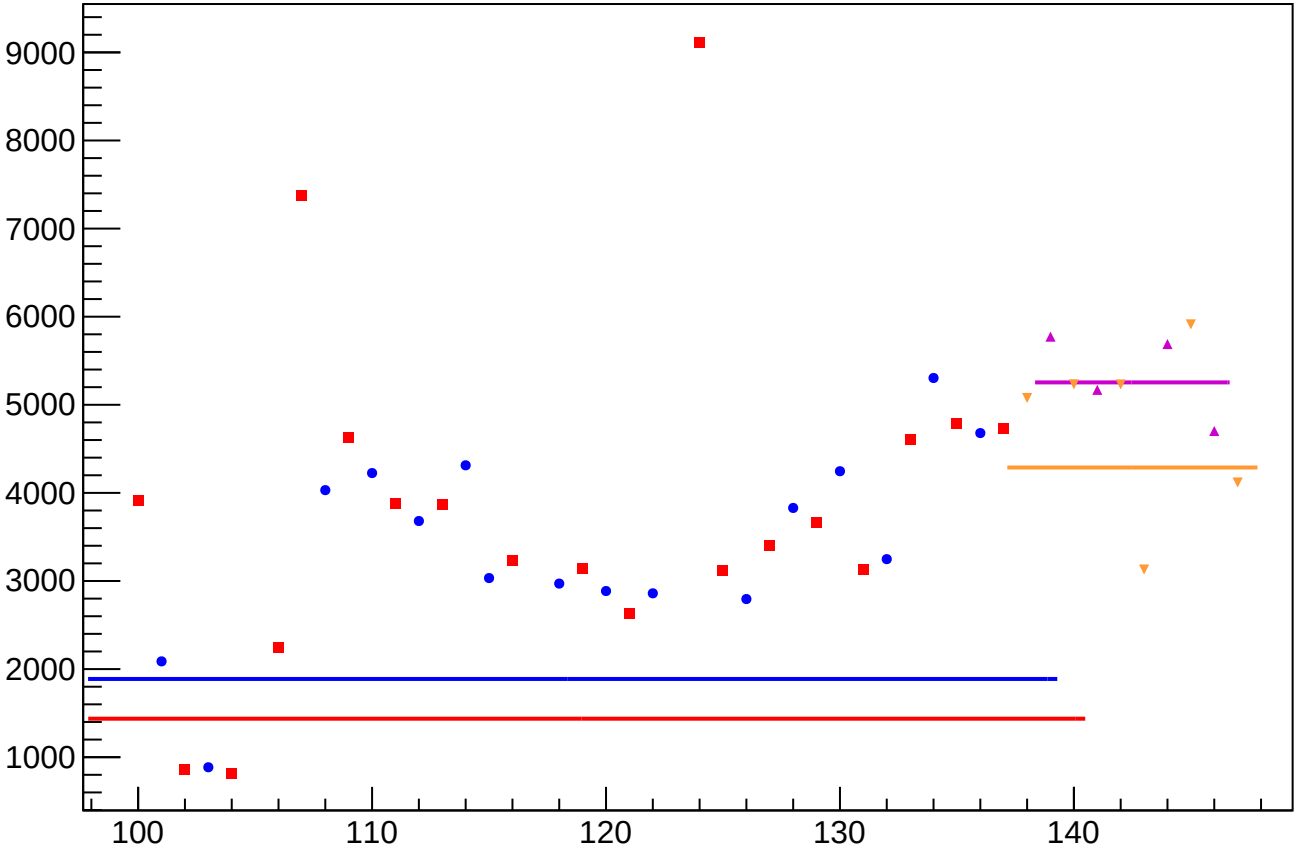
Left In: -416.409+/-2818.067 χ^2/NDF:0.8/3

+ sign -45.080+/-800.724 χ^2/NDF: 27.2/21

All: -290.324+/-509.409 χ^2/NDF: 46.7/44

- sign -457.069+/-660.253 χ^2/NDF: 19.3/22

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4288.160+/-1.470 χ^2/NDF:468181.7/5

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

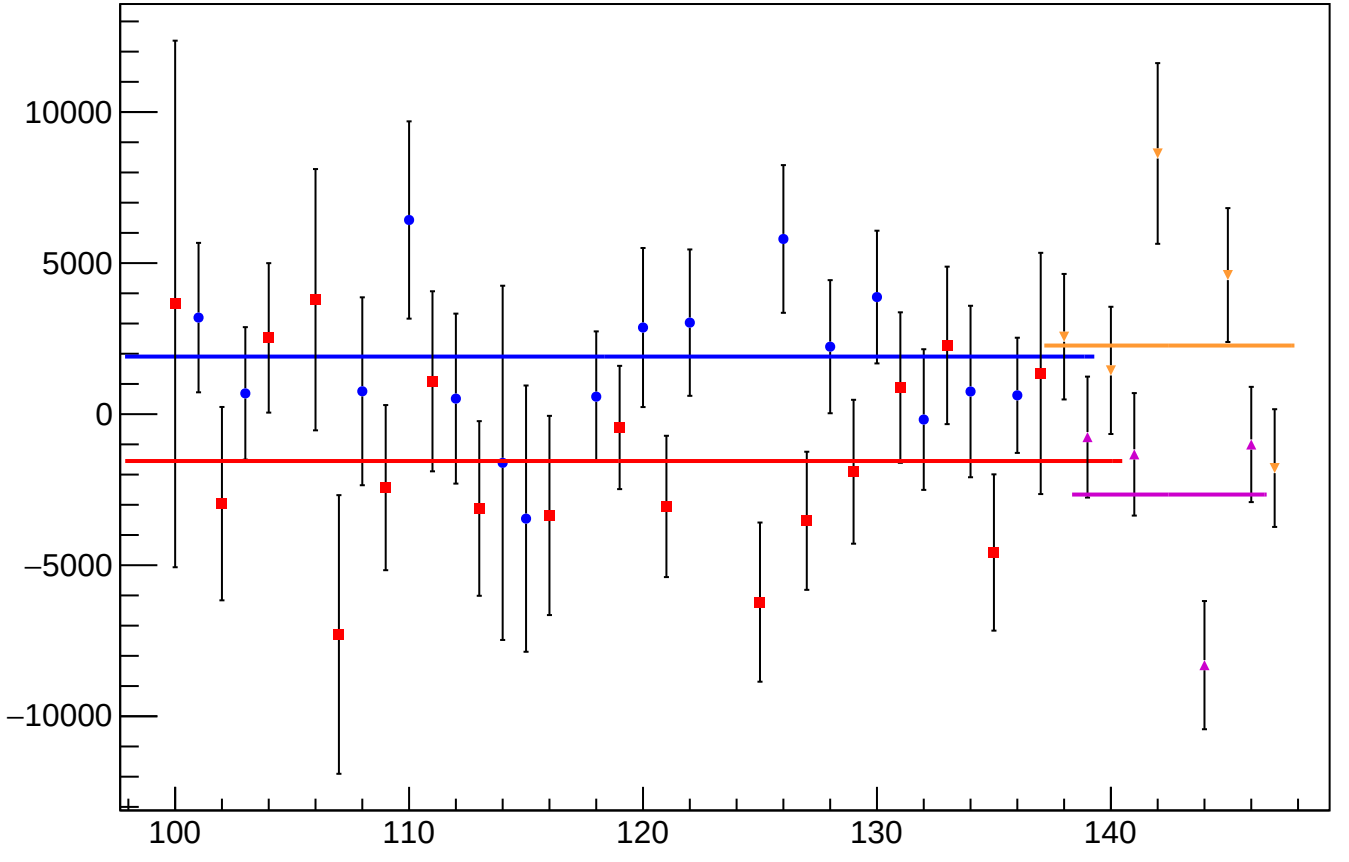
Left In: 5254.211+/-1.993 χ^2/NDF:49030.7/3

+ sign 2243.969+/-0.566 χ^2/NDF: 7163736.4/21

All: 1888.399+/-0.360 χ^2/NDF: 17307461.1/4

- sign 1646.641+/-0.467 χ^2/NDF: 9481199.8/22

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.397+/-982.431 χ^2/NDF:10.1/4

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

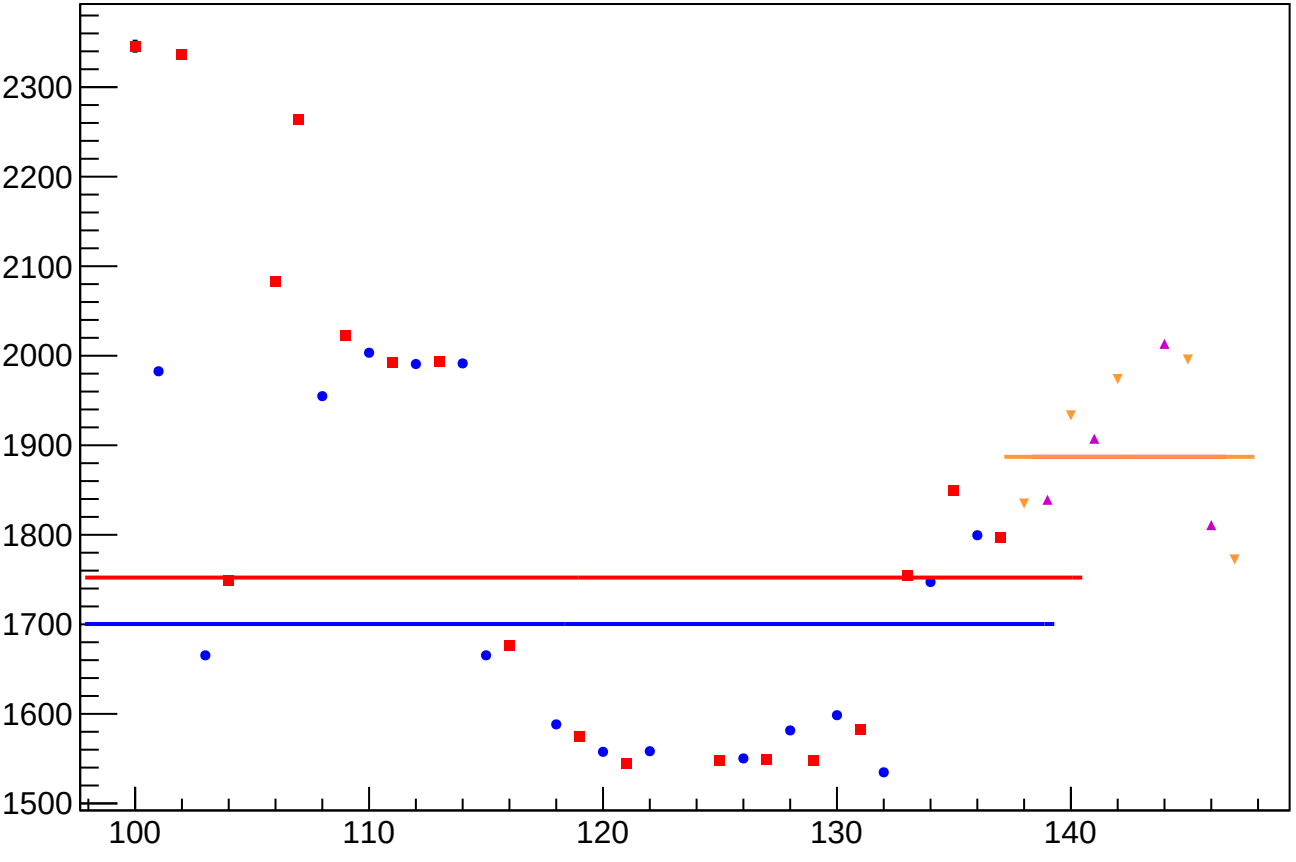
Left In: -2660.908+/-1005.087 χ^2/NDF:9.2/3

+ sign 2014.158+/-534.146 χ^2/NDF: 20.5/20

All: 129.175+/-383.957 χ^2/NDF: 73.7/42

- sign -1886.135+/-552.303 χ^2/NDF: 27.5/21

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1887.104+/-0.695 χ^2/NDF:15646.0/4

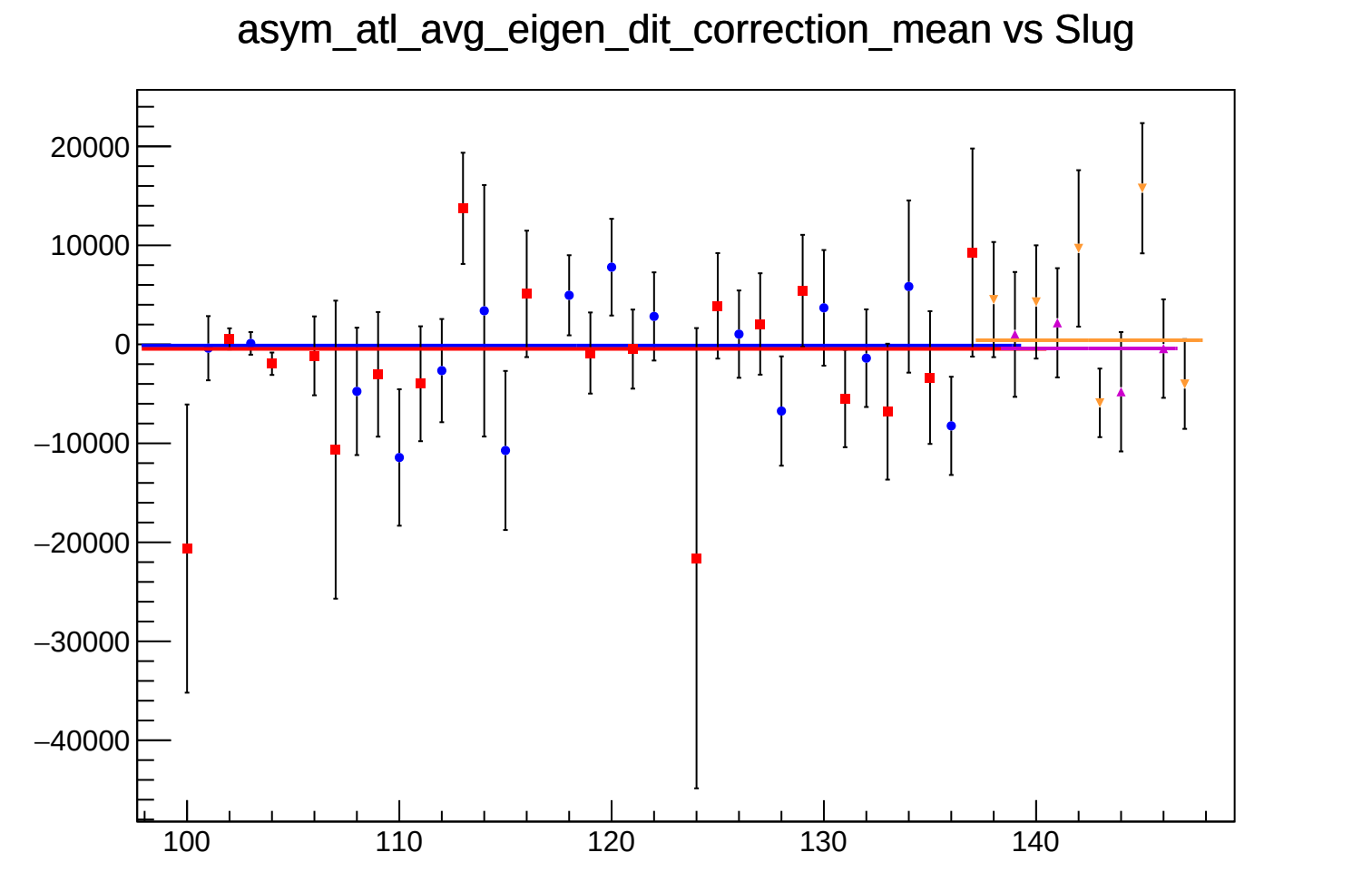
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1887.117+/-0.711 χ^2/NDF:11615.9/3

+ sign 1755.561+/-0.378 χ^2/NDF: 201968.8/20

All: 1773.605+/-0.271 χ^2/NDF: 491428.3/42

- sign 1792.837+/-0.390 χ^2/NDF: 284744.4/21



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 416.546+/-2079.202 χ^2/NDF:12.1/5

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

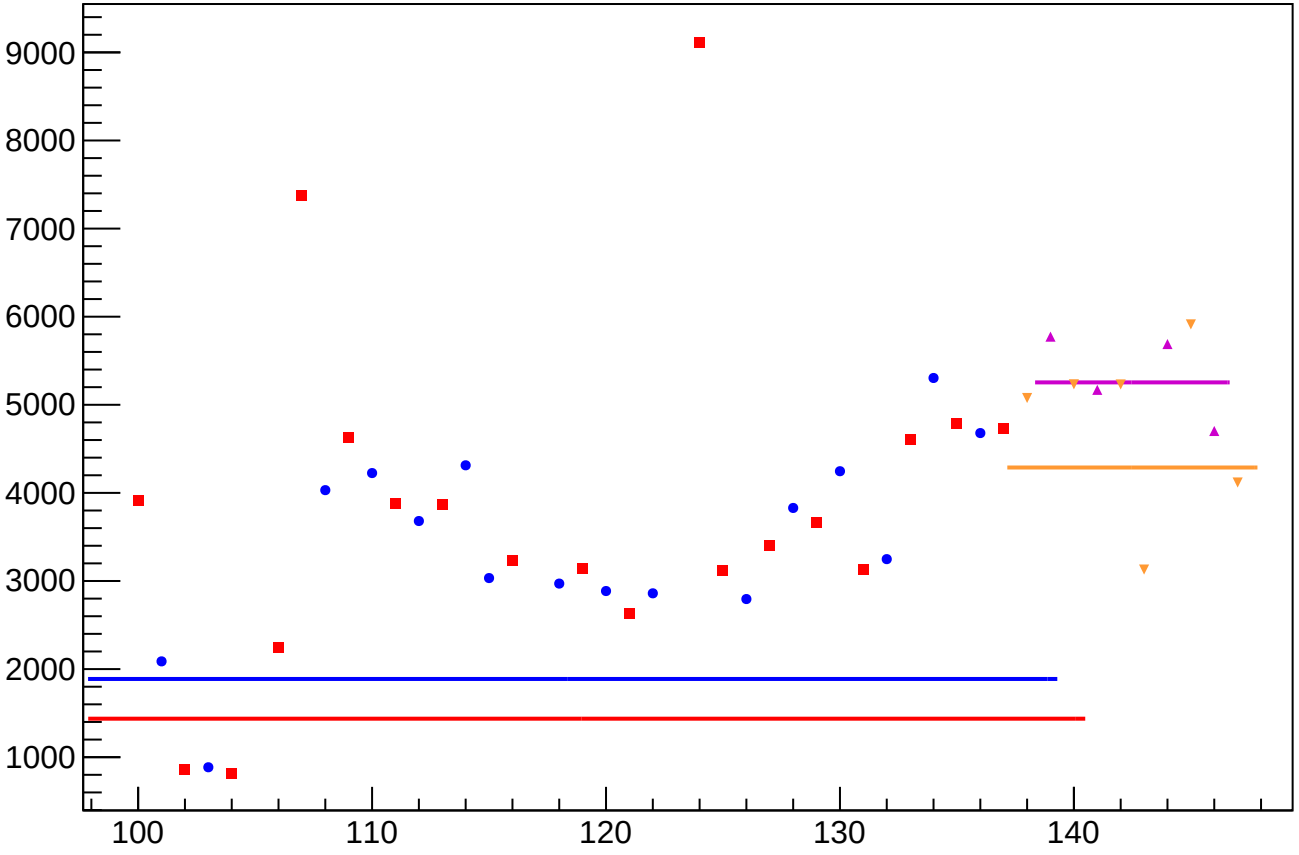
Left In: -416.409+/-2818.072 χ^2/NDF:0.8/3

+ sign -45.079+/-800.719 χ^2/NDF: 27.2/21

All: -290.323+/-509.406 χ^2/NDF: 46.7/44

- sign -457.068+/-660.249 χ^2/NDF: 19.3/22

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4288.164+/-1.470 χ^2/NDF:468186.3/5

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

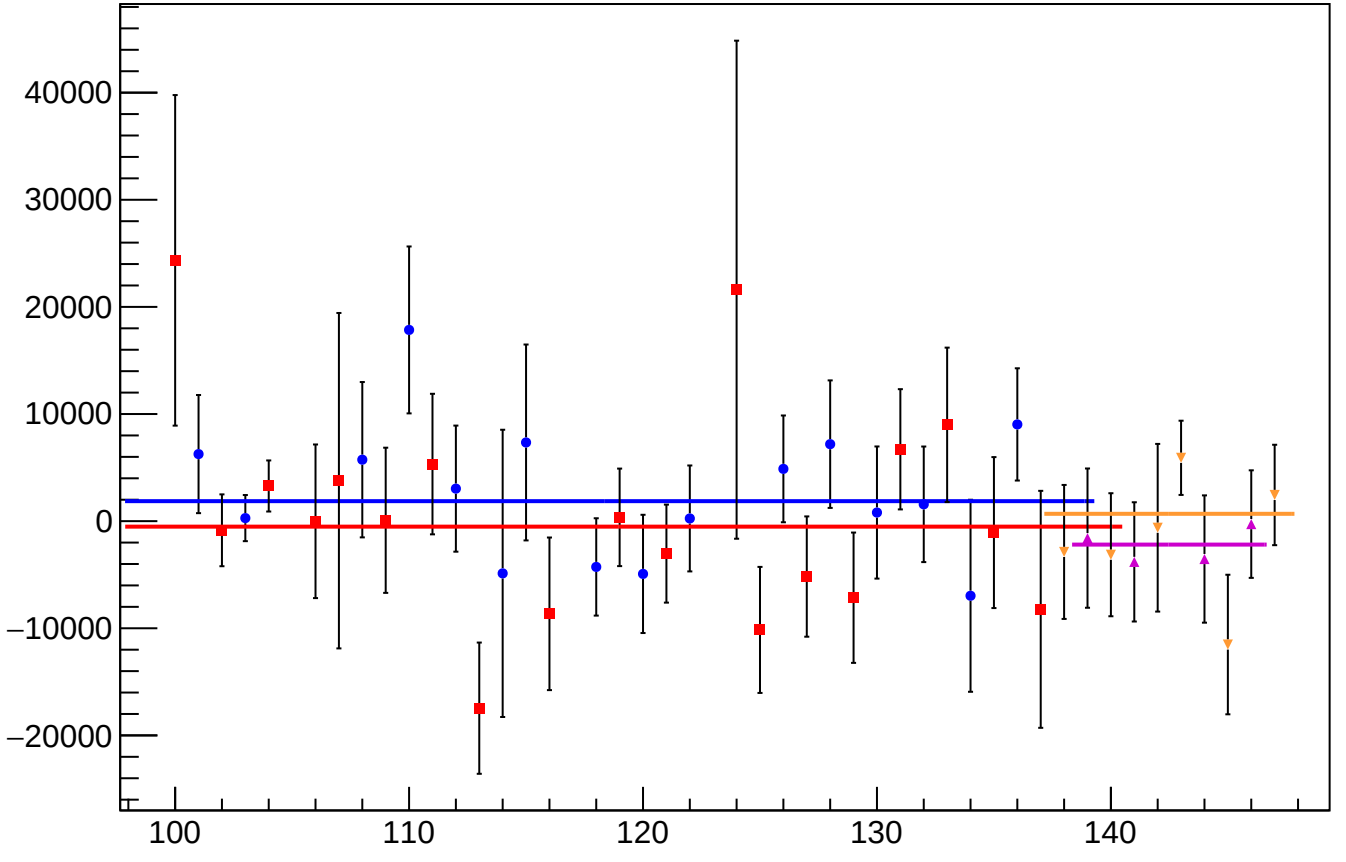
Left In: 5254.221+/-1.993 χ^2/NDF:49031.6/3

+ sign 2243.951+/-0.566 χ^2/NDF: 7163816.3/21

All: 1888.382+/-0.360 χ^2/NDF: 17307612.3/4

- sign 1646.625+/-0.467 χ^2/NDF: 9481267.8/22

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 684.769+/-2109.849 χ^2/NDF:6.7/5

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

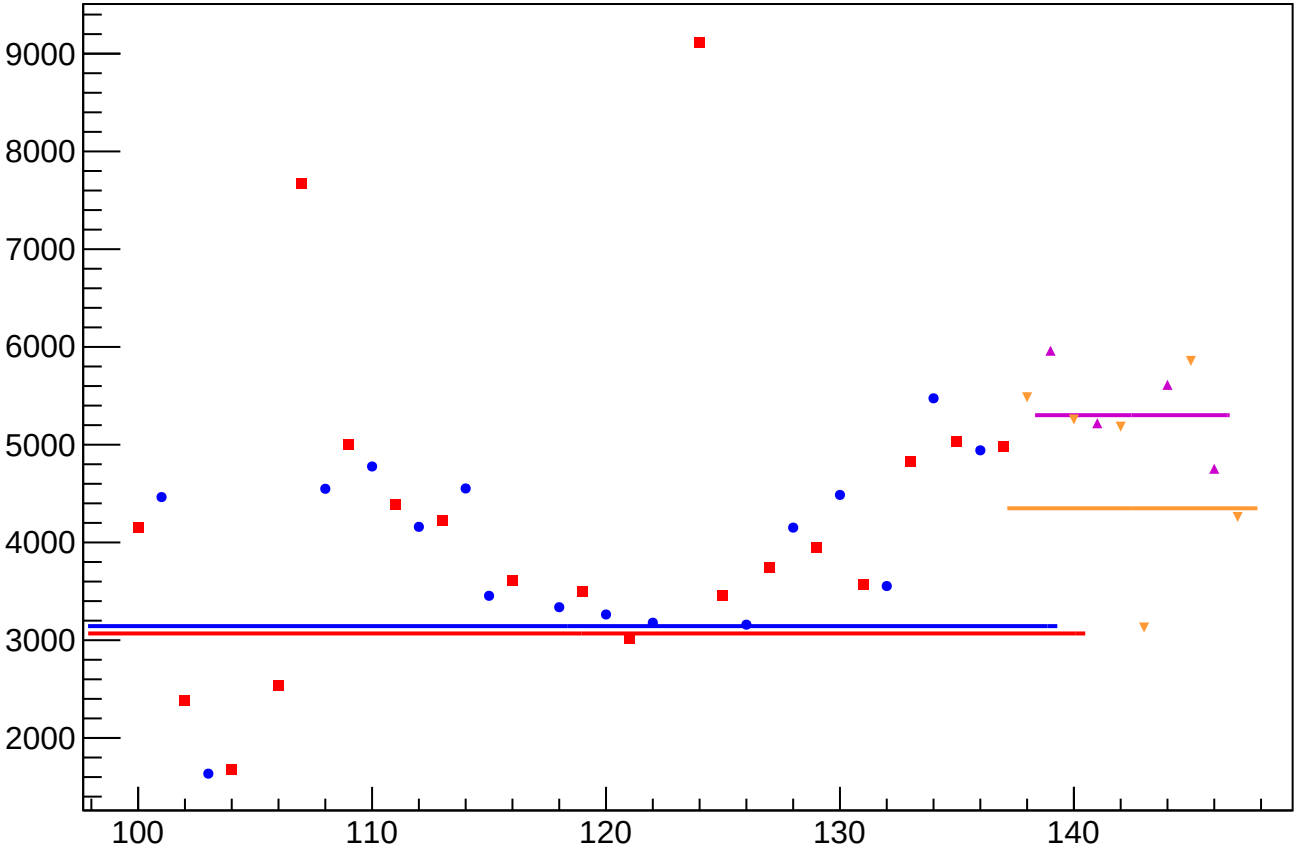
Left In: -2188.764+/-2840.302 χ^2/NDF:0.3/3

+ sign 1556.219+/-1081.261 χ^2/NDF: 20.8/21

All: 446.703+/-783.723 χ^2/NDF: 48.2/44

- sign -781.418+/-1137.586 χ^2/NDF: 25.3/22

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4349.593+/-1.492 χ^2/NDF:494478.3/5

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

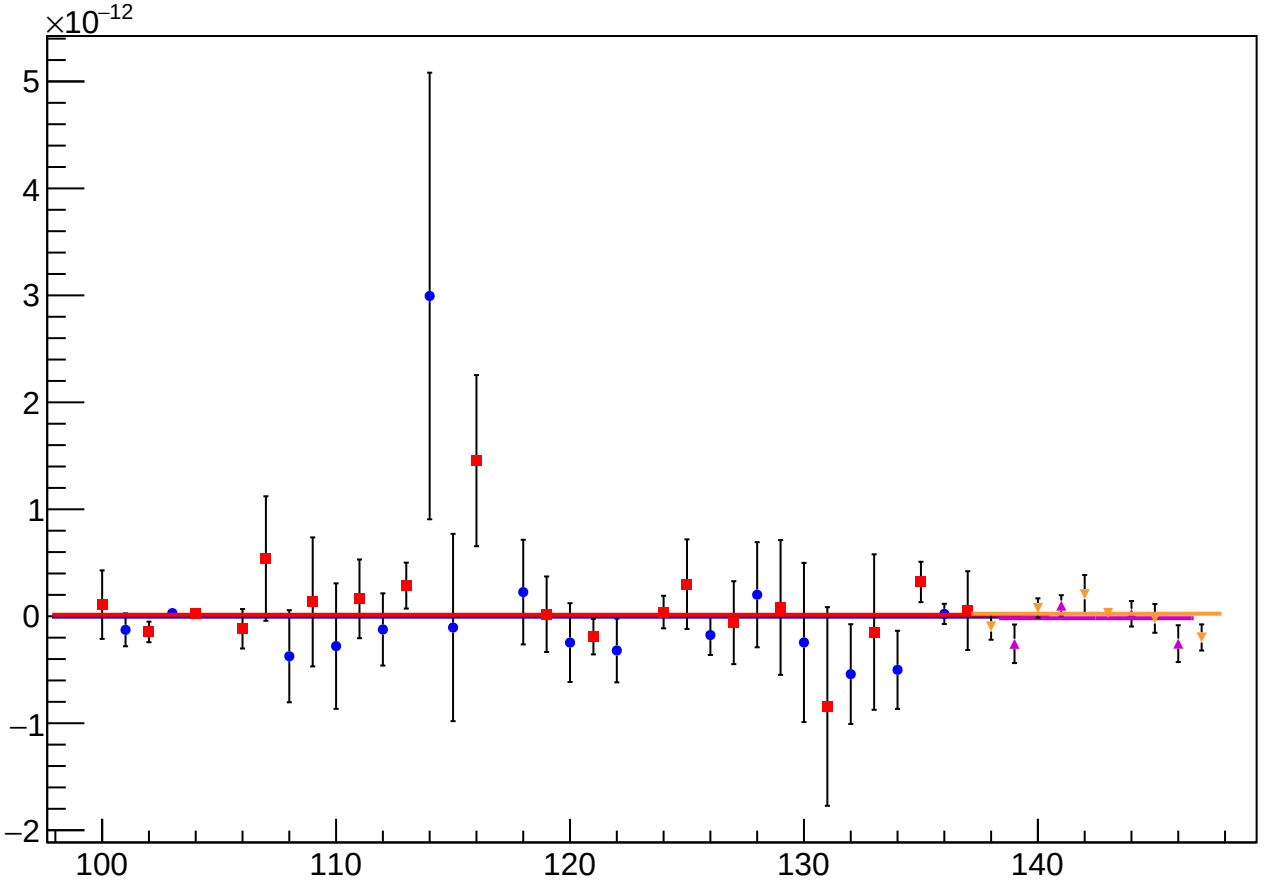
Left In: 5302.030+/-2.008 χ^2/NDF:50311.8/3

+ sign 3460.734+/-0.765 χ^2/NDF: 2859023.7/21

All: 3440.143+/-0.551 χ^2/NDF: 5835470.1/44

- sign 3417.944+/-0.794 χ^2/NDF: 2974939.1/22

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:5.8/5

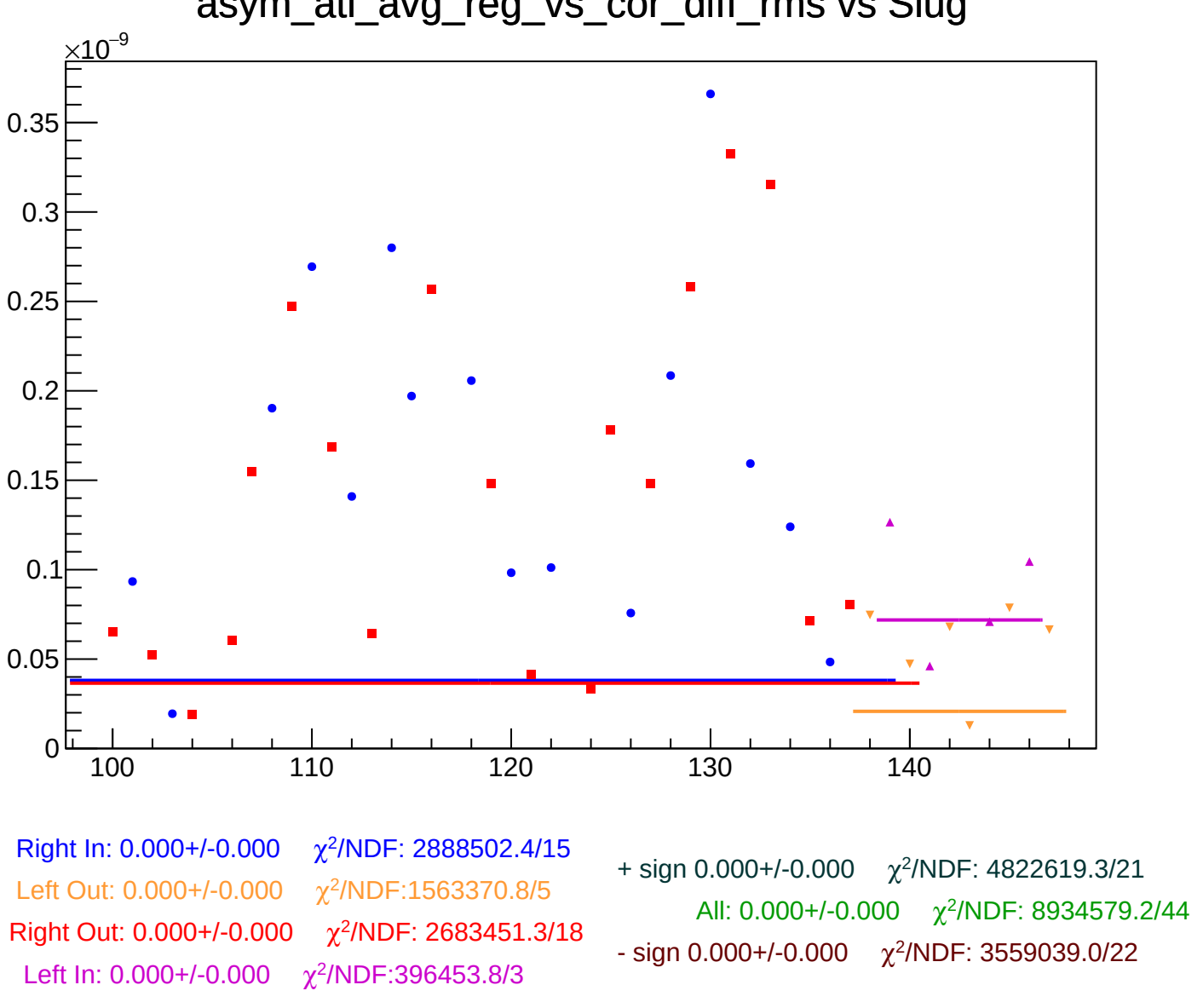
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

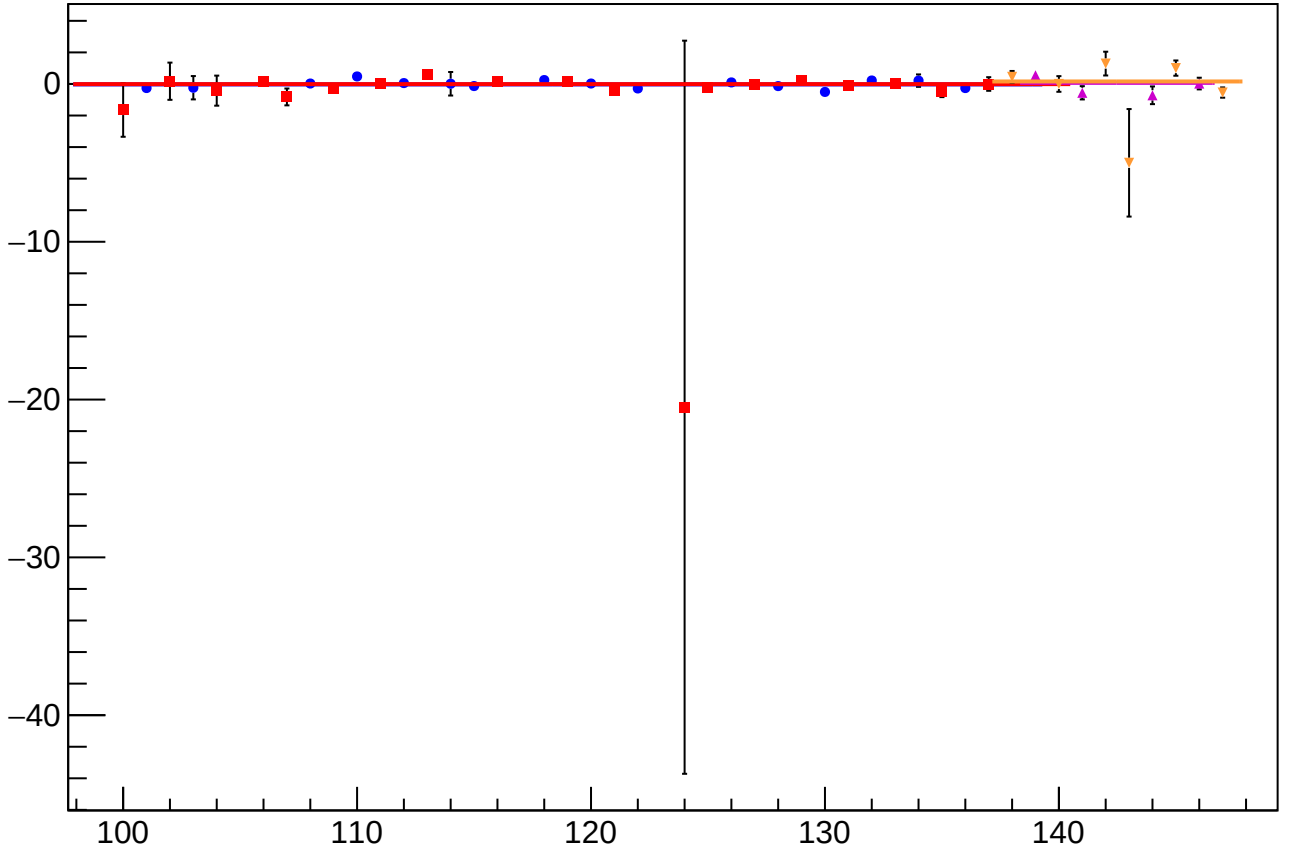
+ sign 0.000+/-0.000 χ^2/NDF: 16.9/21

All: 0.000+/-0.000 χ^2/NDF: 37.4/44

- sign 0.000+/-0.000 χ^2/NDF: 20.4/22


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
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1563370.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:396453.8/3
+ sign 0.000+/-0.000 χ²/NDF: 4822619.3/21
All: 0.000+/-0.000 χ²/NDF: 8934579.2/44
- sign 0.000+/-0.000 χ²/NDF: 3559039.0/22

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

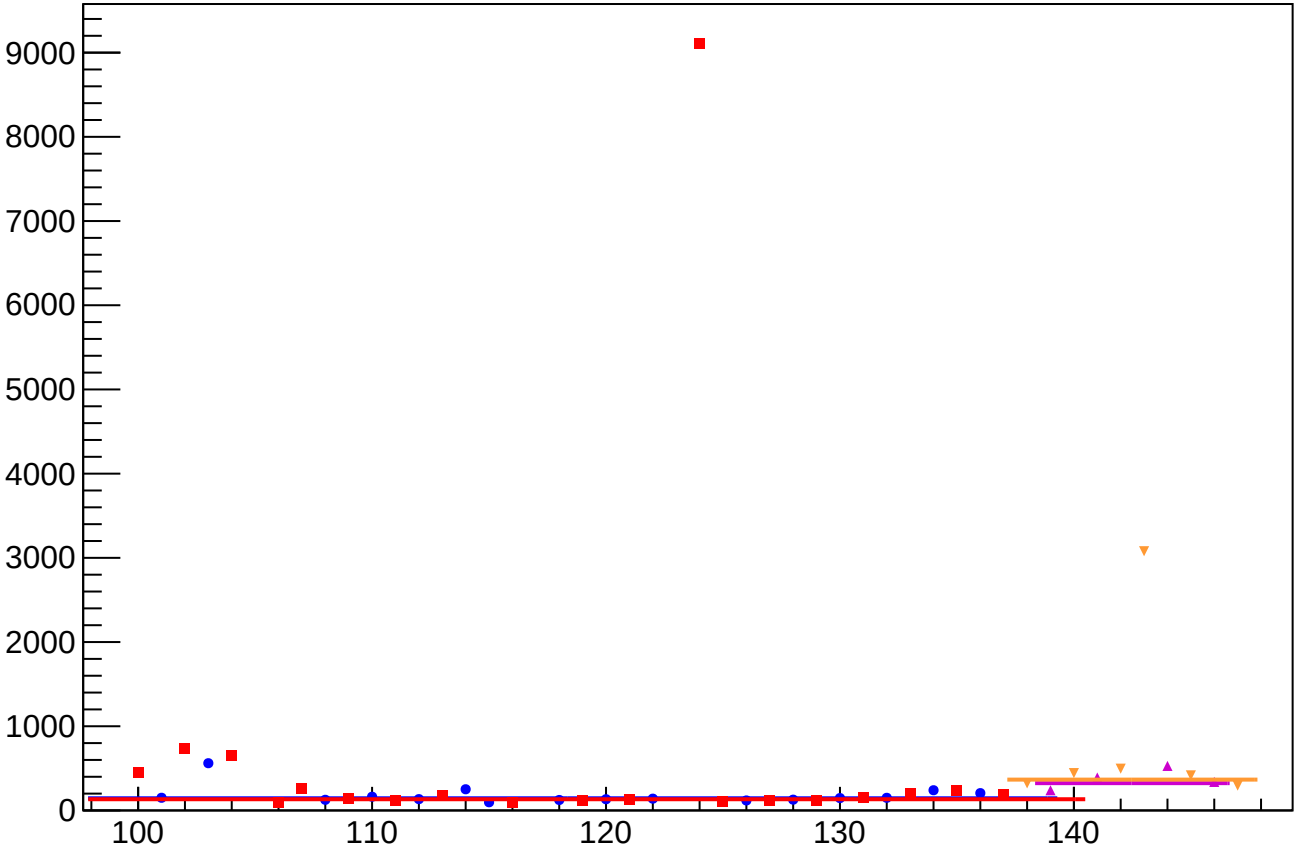
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.008+/-0.039 χ^2/NDF: 60.4/44

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 366.281+/-0.137 χ^2/NDF:1521662.5/5

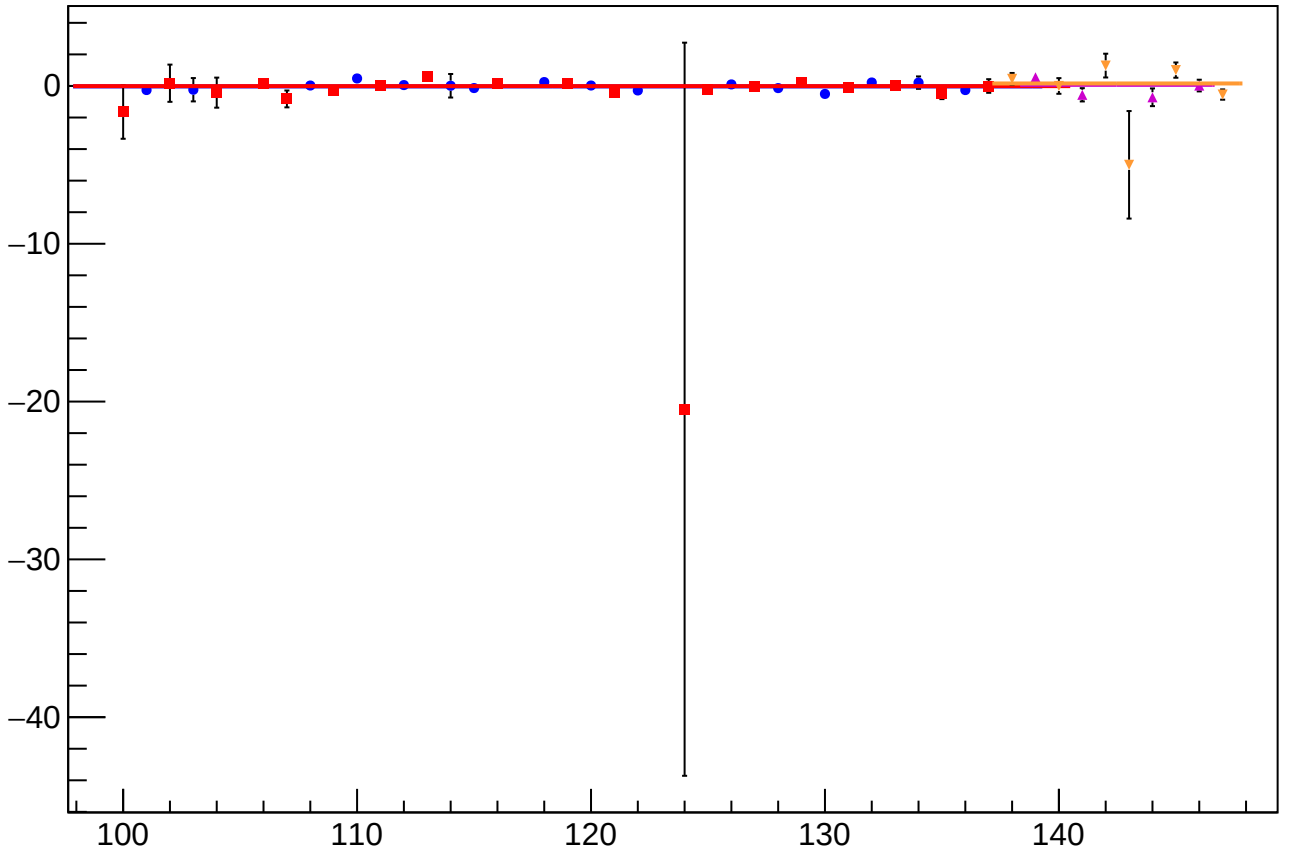
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

+ sign 162.515+/-0.039 χ^2/NDF: 5070110.6/21

All: 155.959+/-0.027 χ^2/NDF: 9827561.0/44

- sign 149.727+/-0.038 χ^2/NDF: 4702821.5/22



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

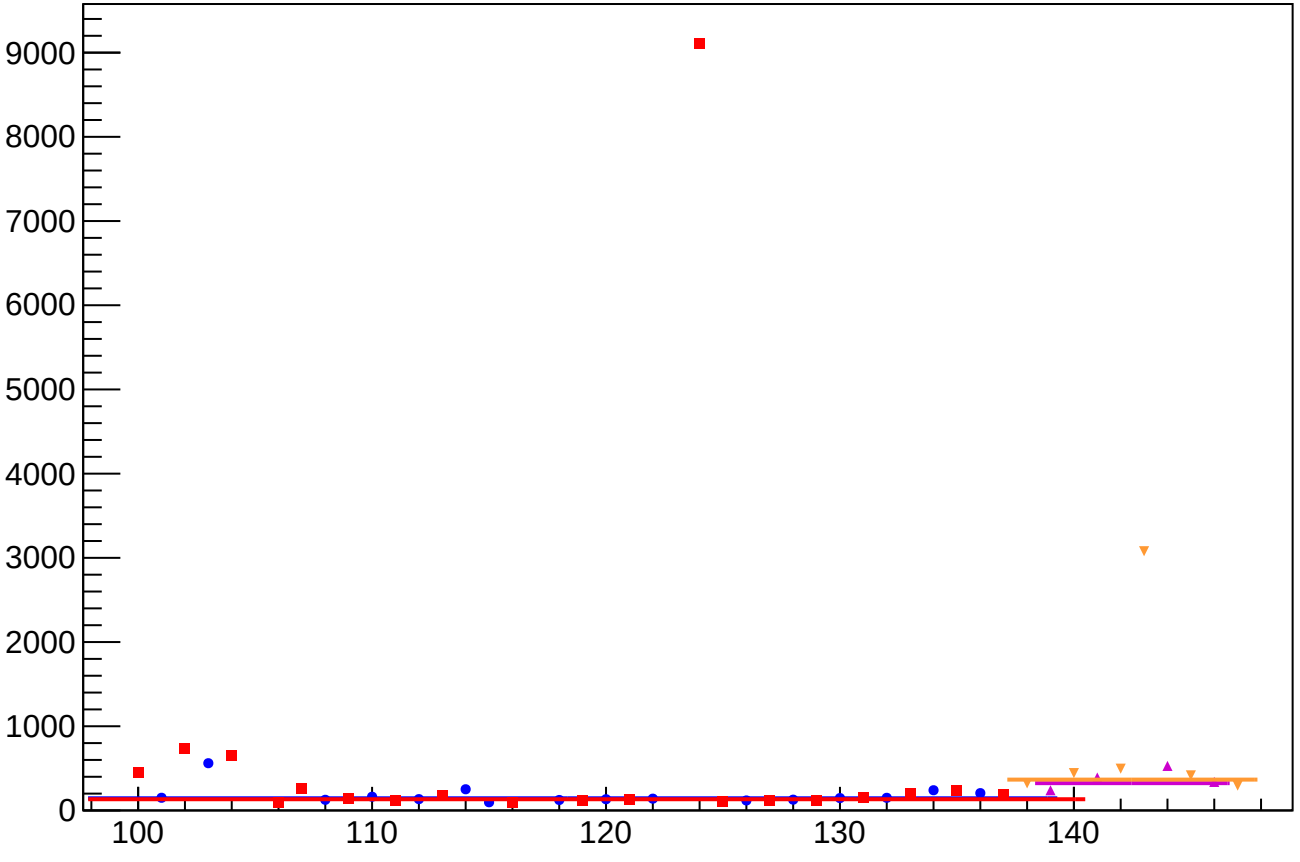
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.008+/-0.039 χ^2/NDF: 60.4/44

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

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: 366.281+/-0.137 χ^2/NDF:1521662.5/5

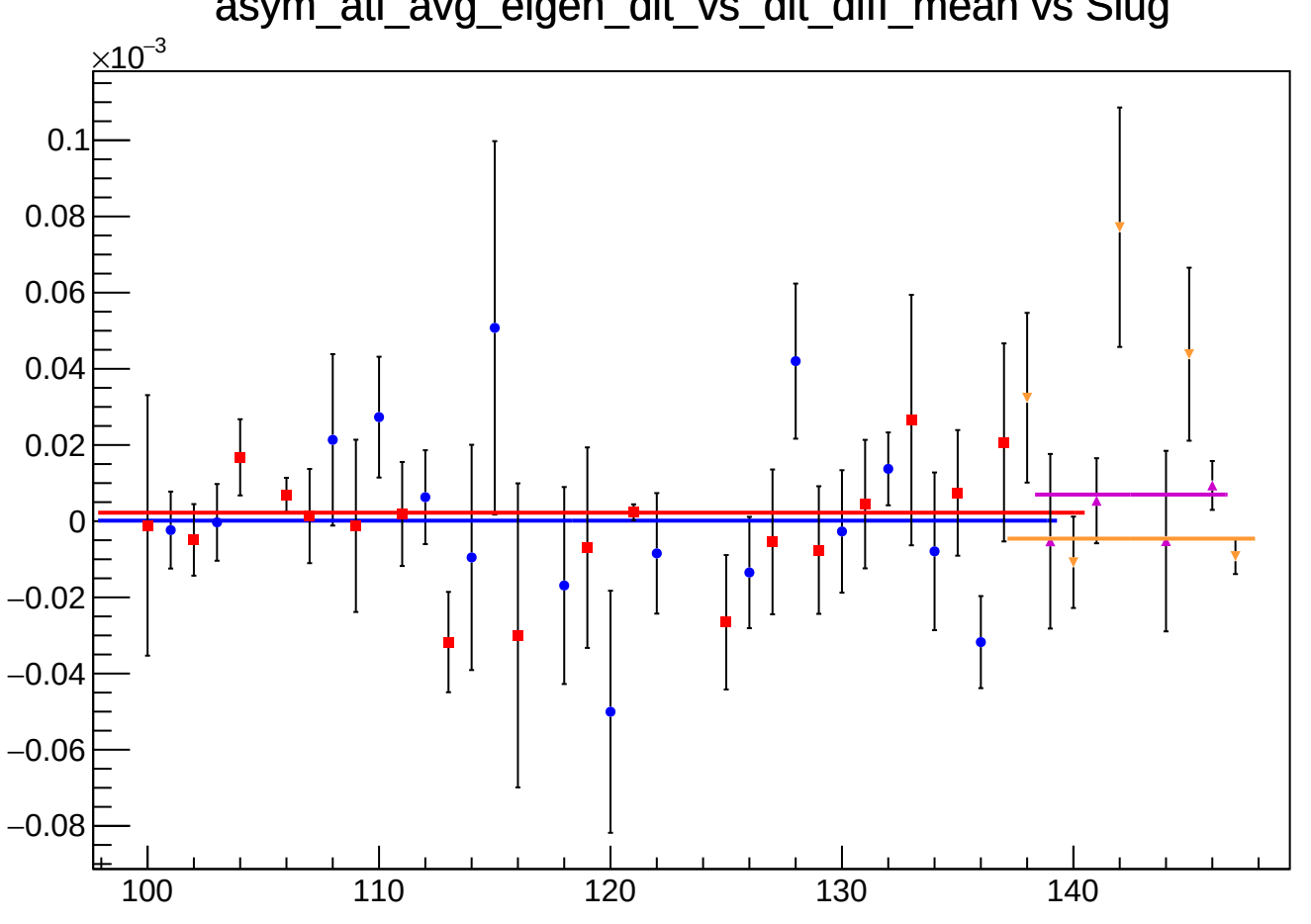
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

+ sign 162.515+/-0.039 χ^2/NDF: 5070110.6/21

All: 155.959+/-0.027 χ^2/NDF: 9827561.0/44

- sign 149.727+/-0.038 χ^2/NDF: 4702821.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

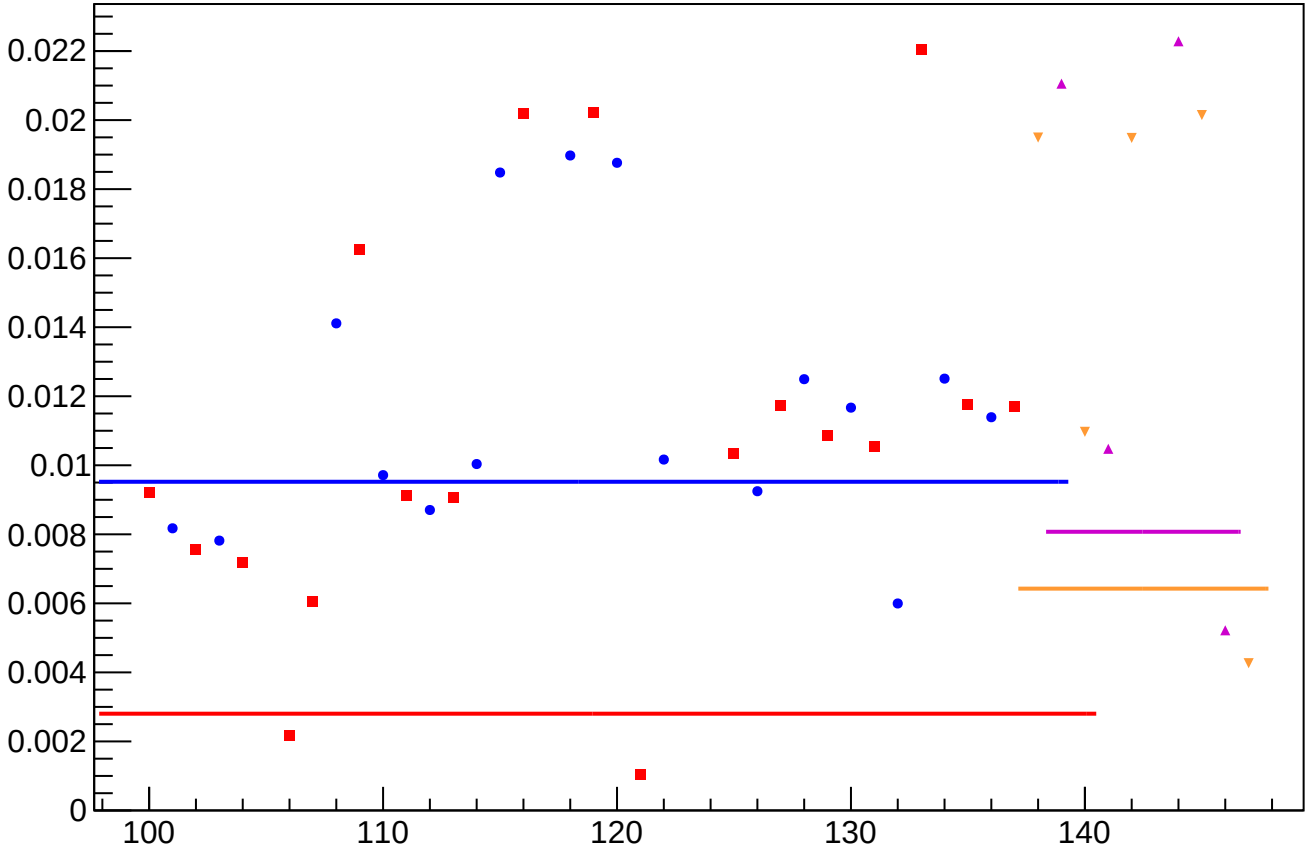
Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/20

All: 0.000+/-0.000 χ^2/NDF: 57.9/42

- sign 0.000+/-0.000 χ^2/NDF: 17.0/21

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:2472256.8/4

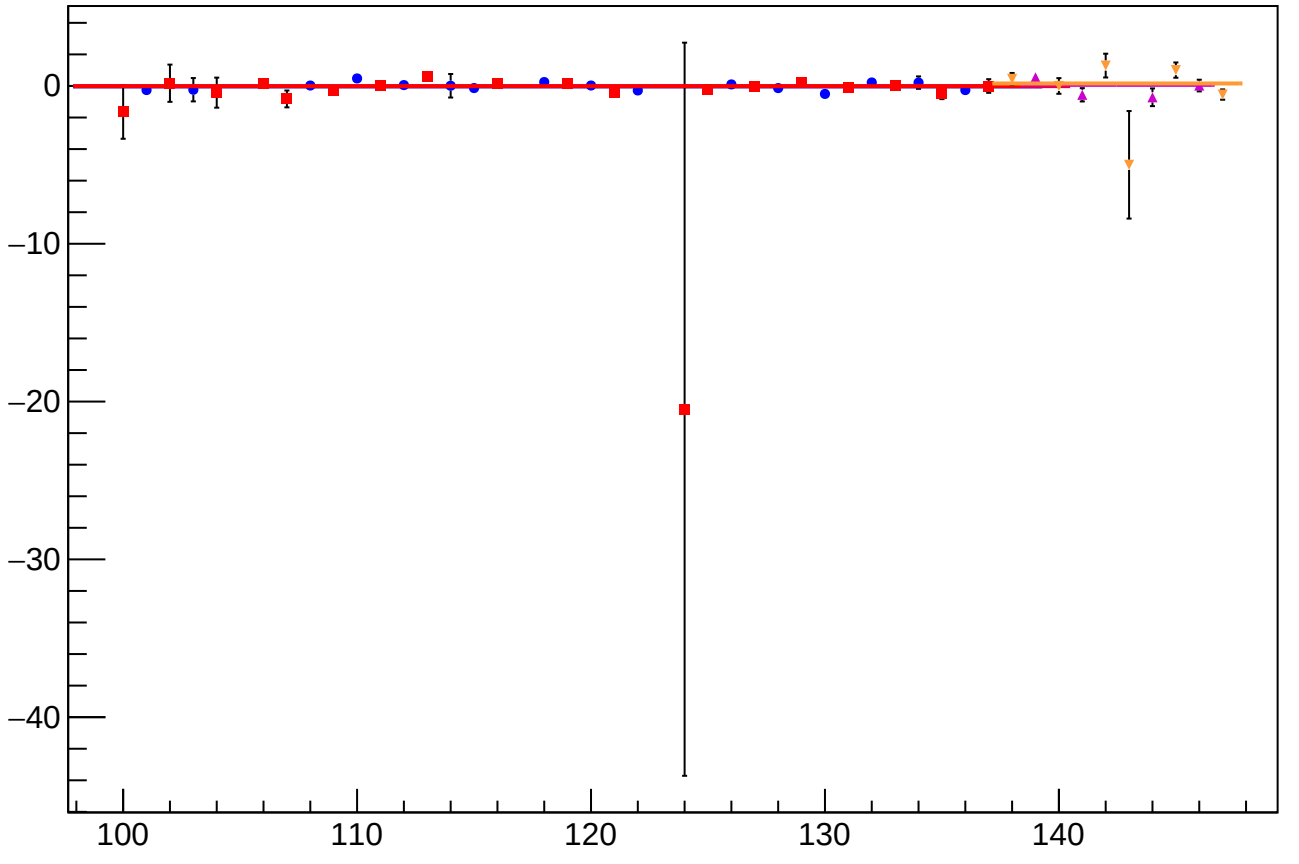
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1849210.6/3

+ sign 0.008+/-0.000 χ^2/NDF: 4213474.4/20

All: 0.005+/-0.000 χ^2/NDF: 20909326.7/42

- sign 0.003+/-0.000 χ^2/NDF: 12224792.4/21



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

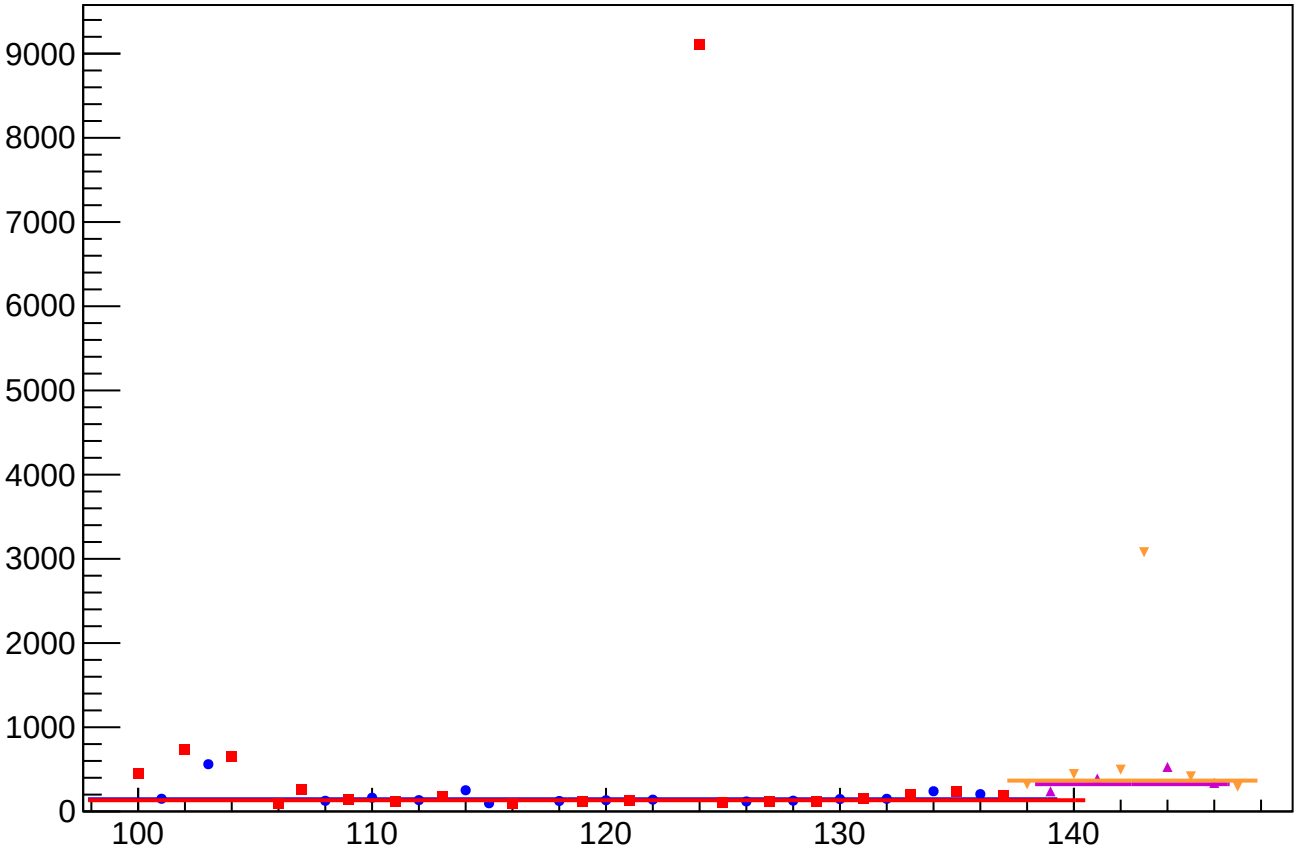
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.008+/-0.039 χ^2/NDF: 60.4/44

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

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: 366.284+/-0.137 χ^2/NDF:1521680.7/5

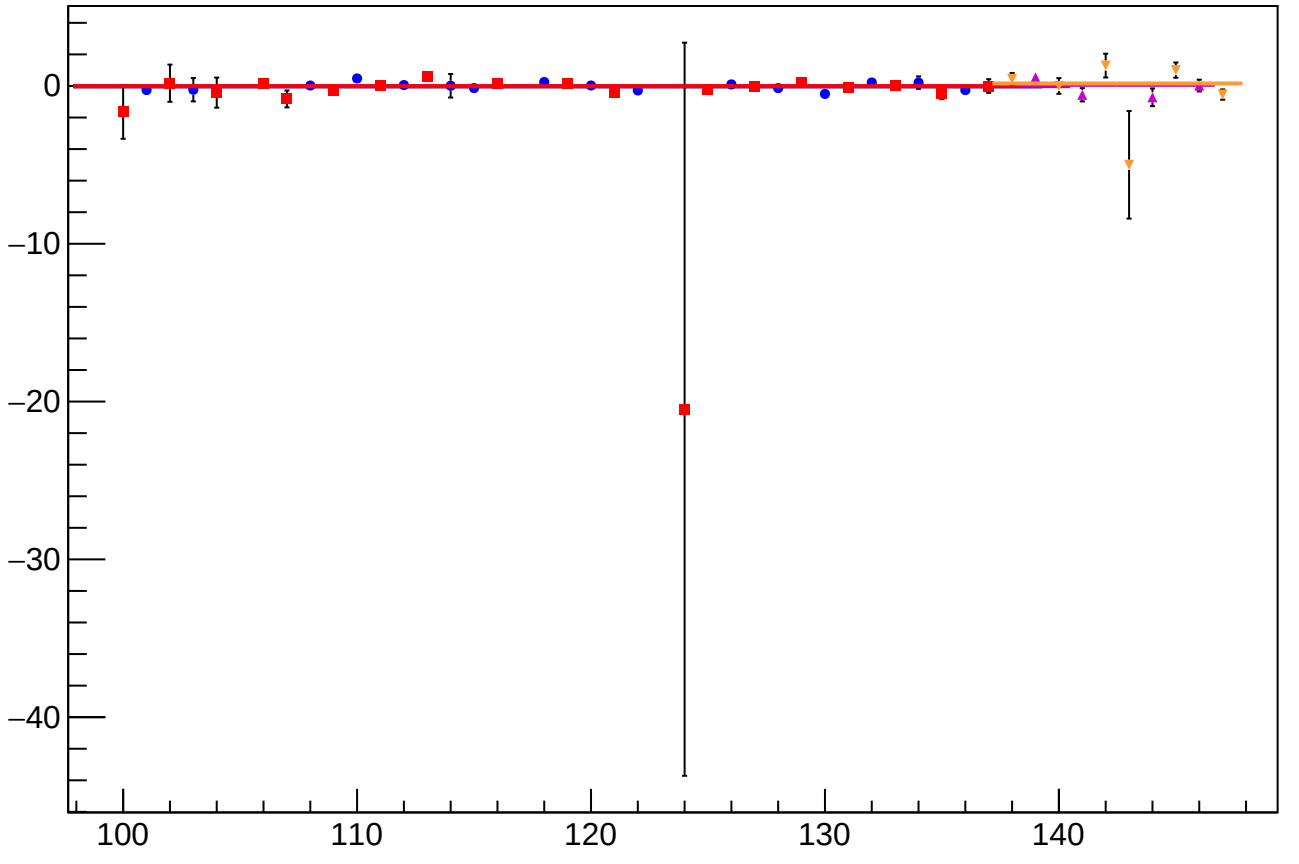
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

+ sign 162.514+/-0.039 χ^2/NDF: 5070217.4/21

All: 155.958+/-0.027 χ^2/NDF: 9827678.0/44

- sign 149.726+/-0.038 χ^2/NDF: 4702838.9/22



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

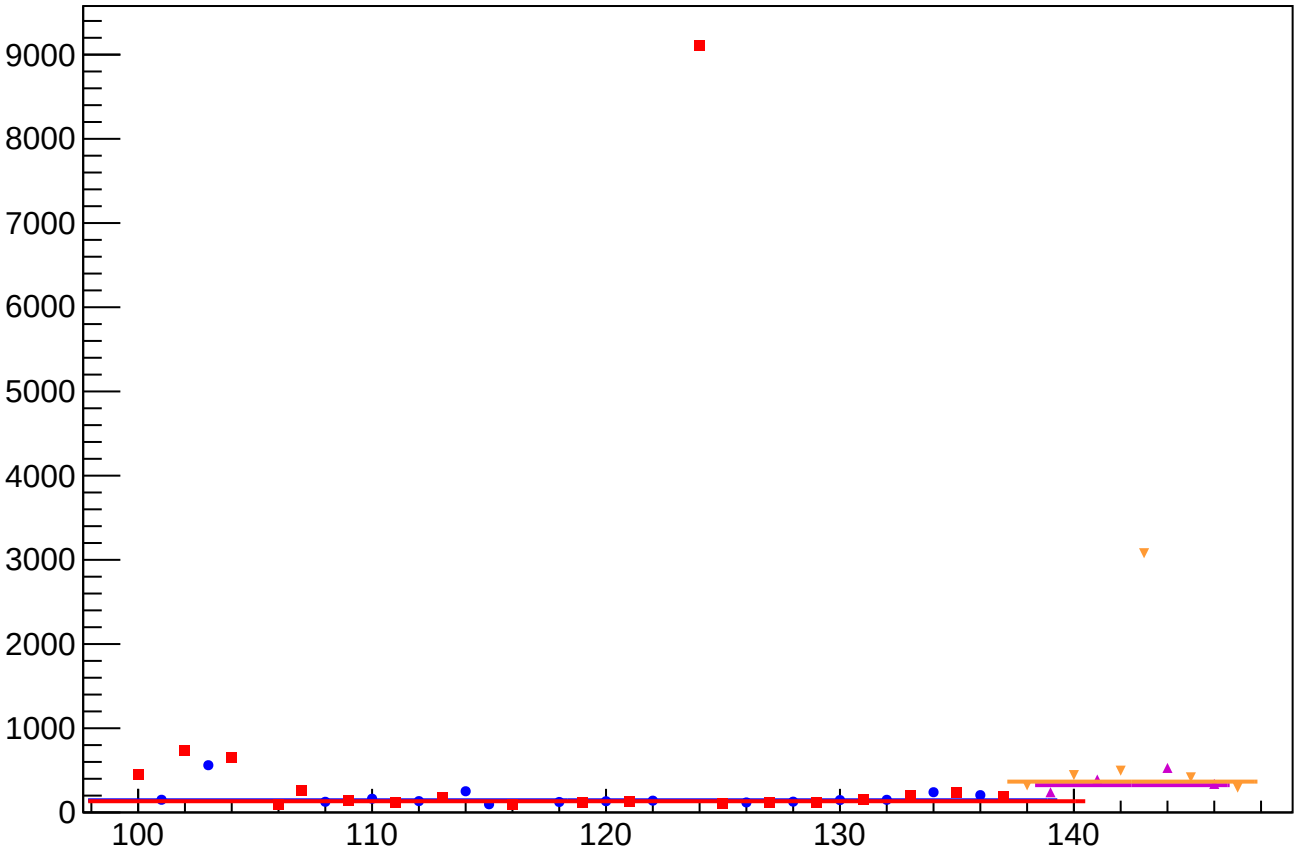
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.008+/-0.039 χ^2/NDF: 60.4/44

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 366.284+/-0.137 χ^2/NDF:1521680.7/5

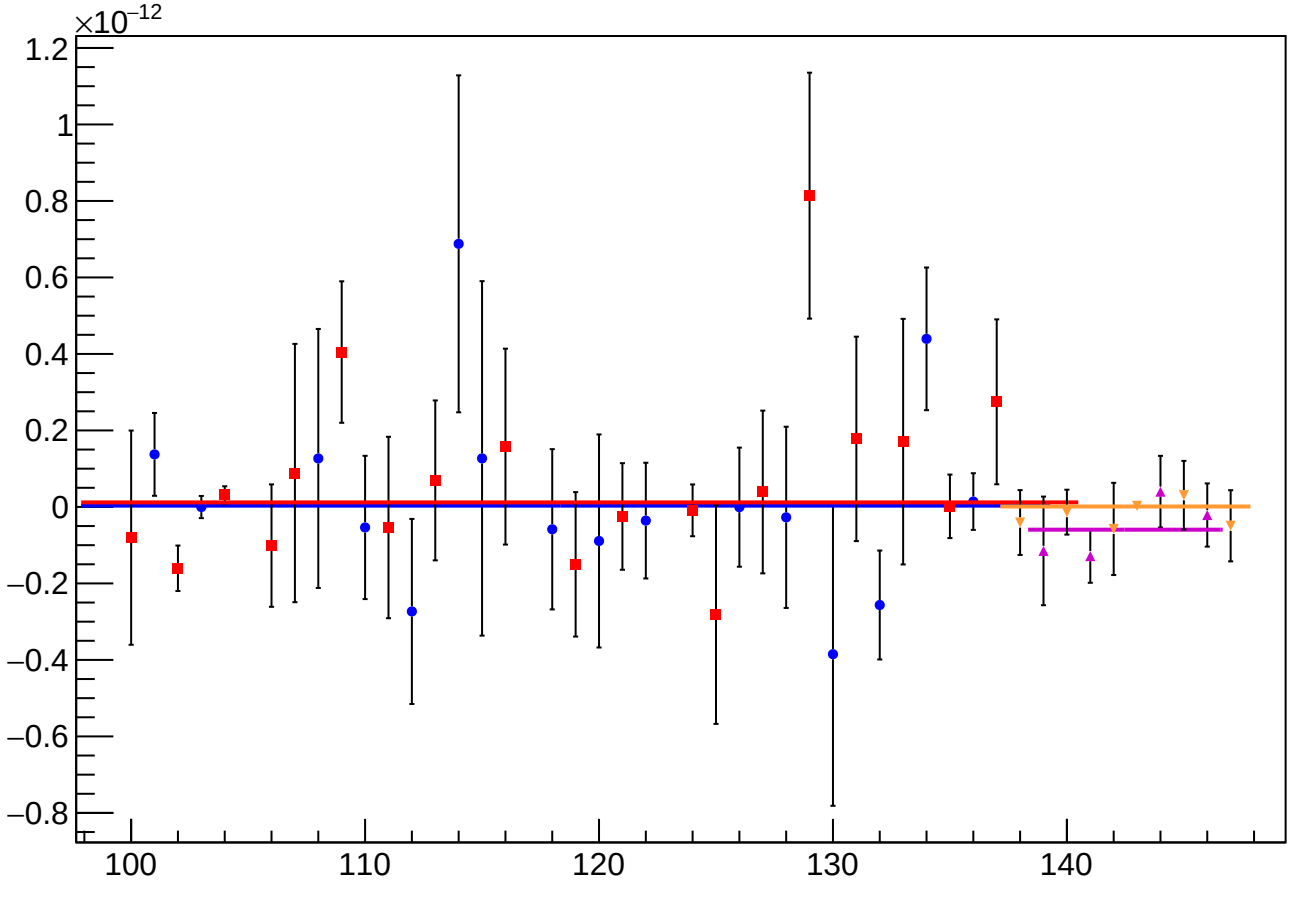
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

+ sign 162.514+/-0.039 χ^2/NDF: 5070217.4/21

All: 155.958+/-0.027 χ^2/NDF: 9827678.0/44

- sign 149.726+/-0.038 χ^2/NDF: 4702838.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

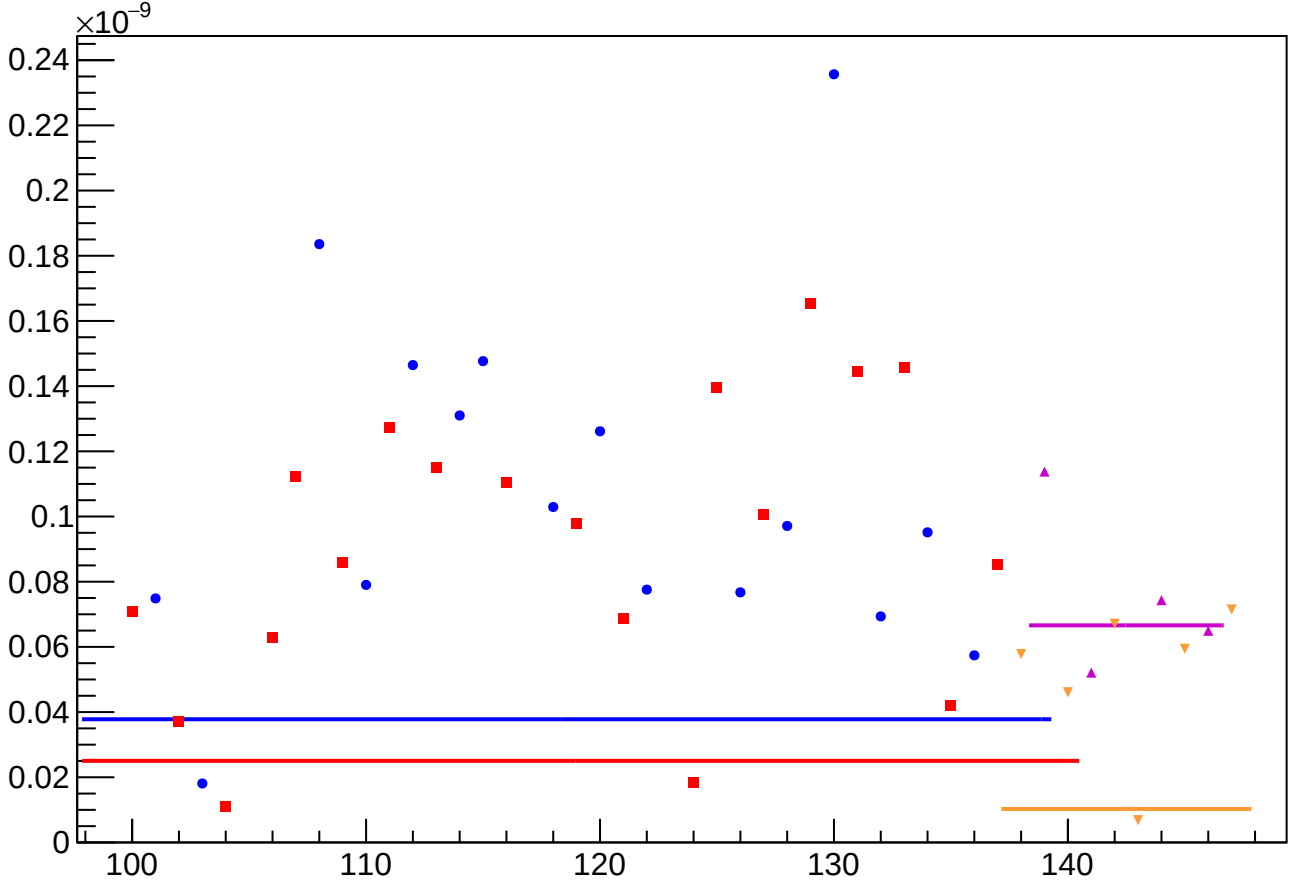
Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.6/21

All: 0.000+/-0.000 χ^2/NDF: 46.4/44

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22

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:3516414.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

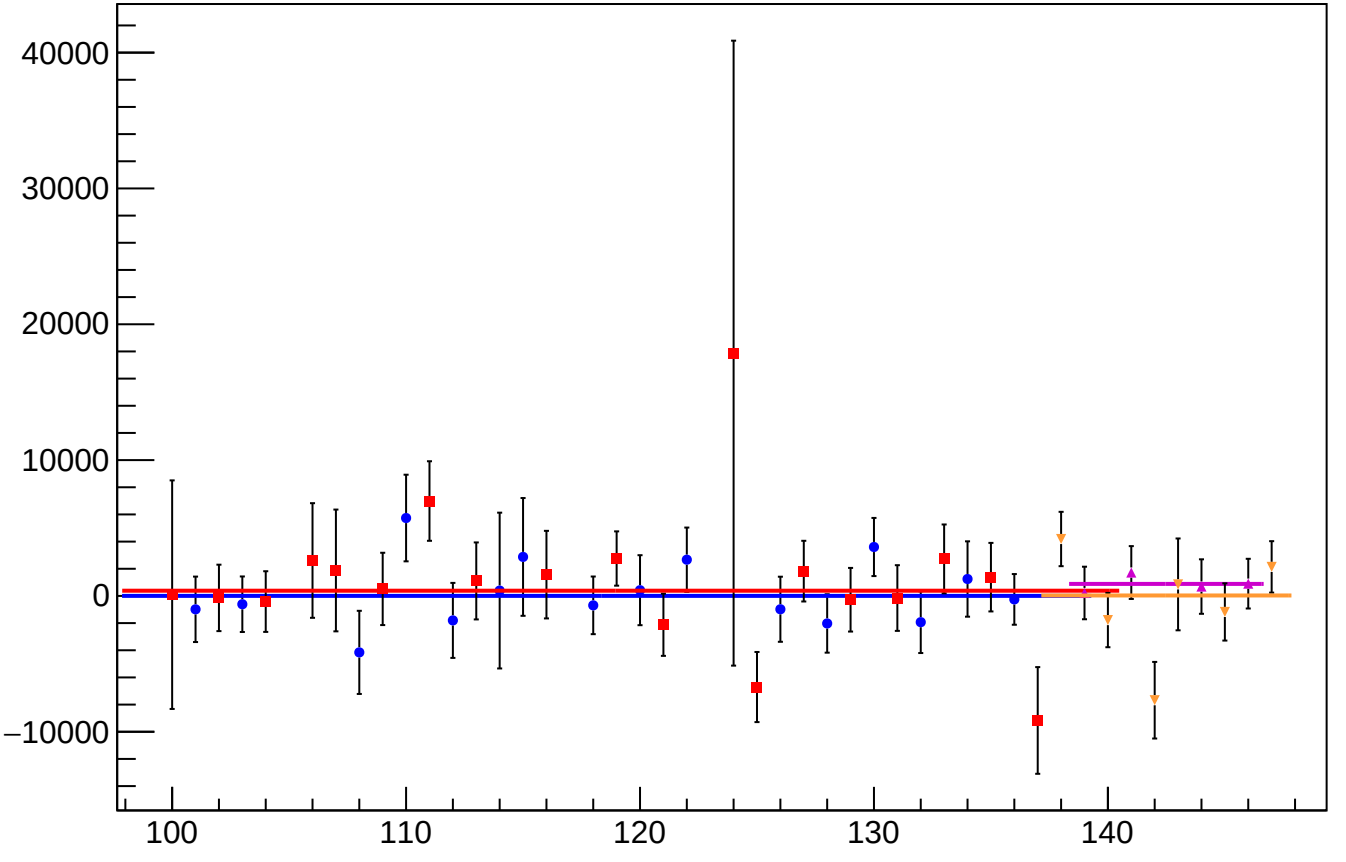
Left In: 0.000+/-0.000 χ^2/NDF:321557.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 9734939.0/21

All: 0.000+/-0.000 χ^2/NDF: 17848710.6/44

- sign 0.000+/-0.000 χ^2/NDF: 6536132.2/22

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.928+/-906.196 χ^2/NDF:14.2/5

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

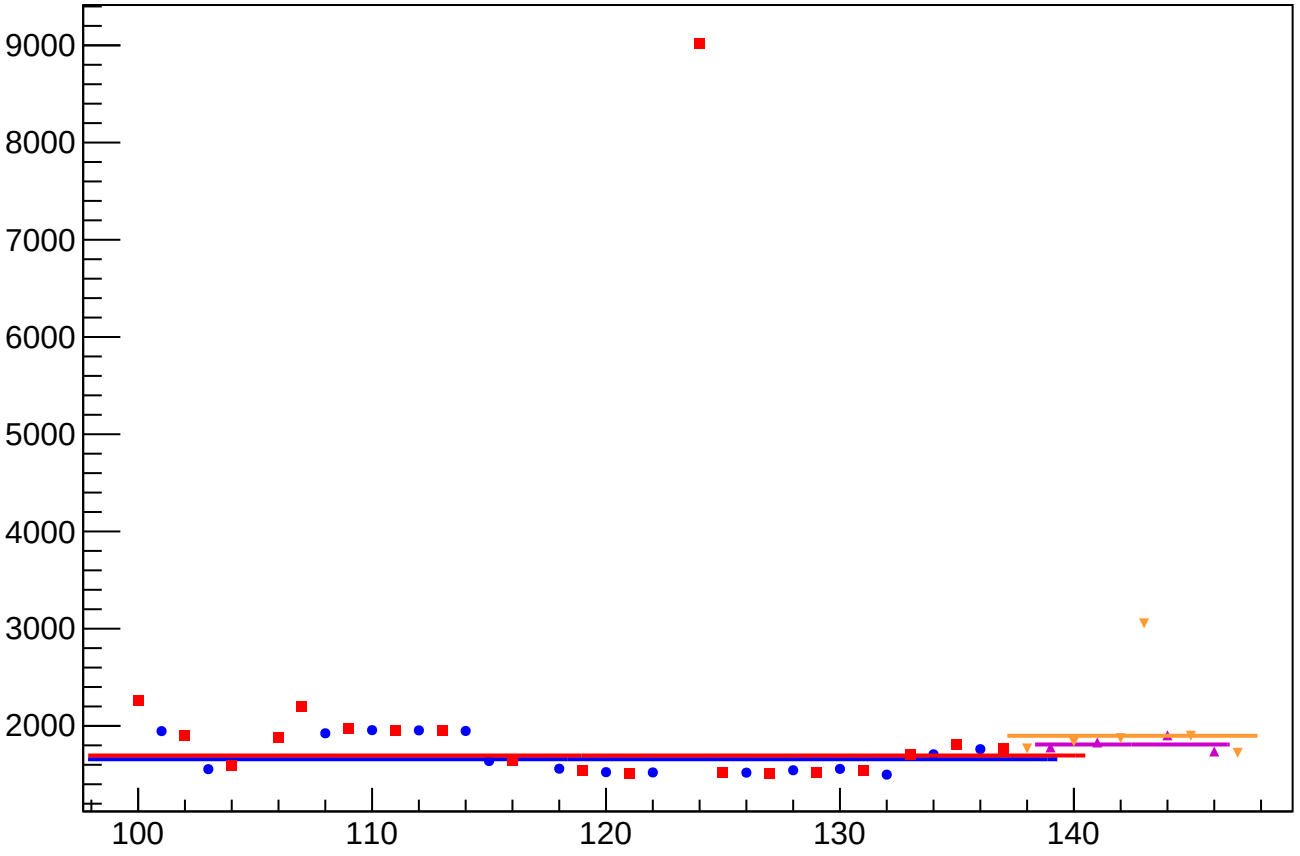
Left In: 884.916+/-962.840 χ^2/NDF:0.3/3

+ sign 13.795+/-511.645 χ^2/NDF: 26.7/21

All: 265.991+/-367.881 χ^2/NDF: 51.7/44

- sign 535.923+/-529.329 χ^2/NDF: 24.6/22

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

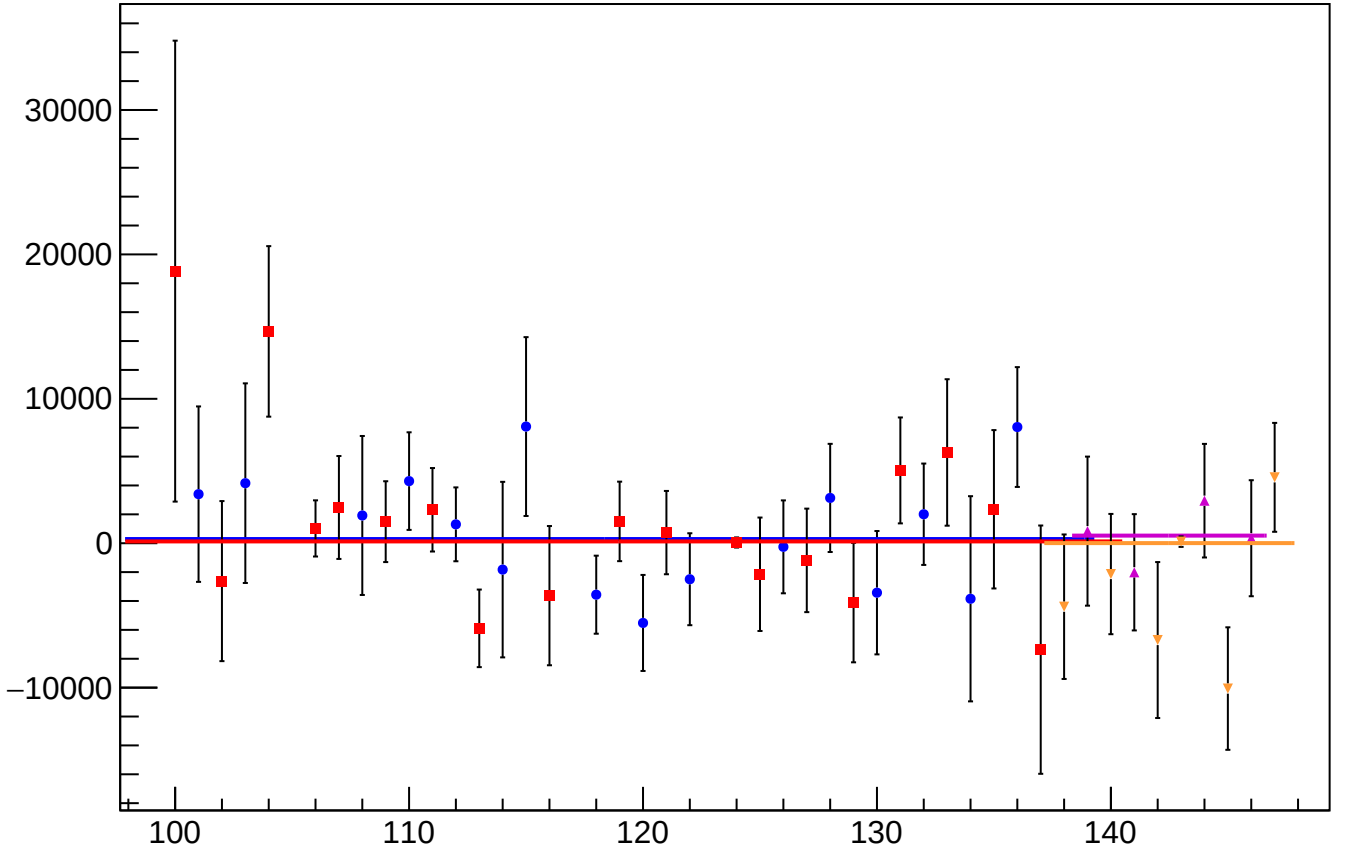
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.4/21

All: 1731.922+/-0.260 χ^2/NDF: 916359.4/44

- sign 1729.629+/-0.373 χ^2/NDF: 413723.8/22

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 8.645+/-358.056 χ^2/NDF:9.8/5

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

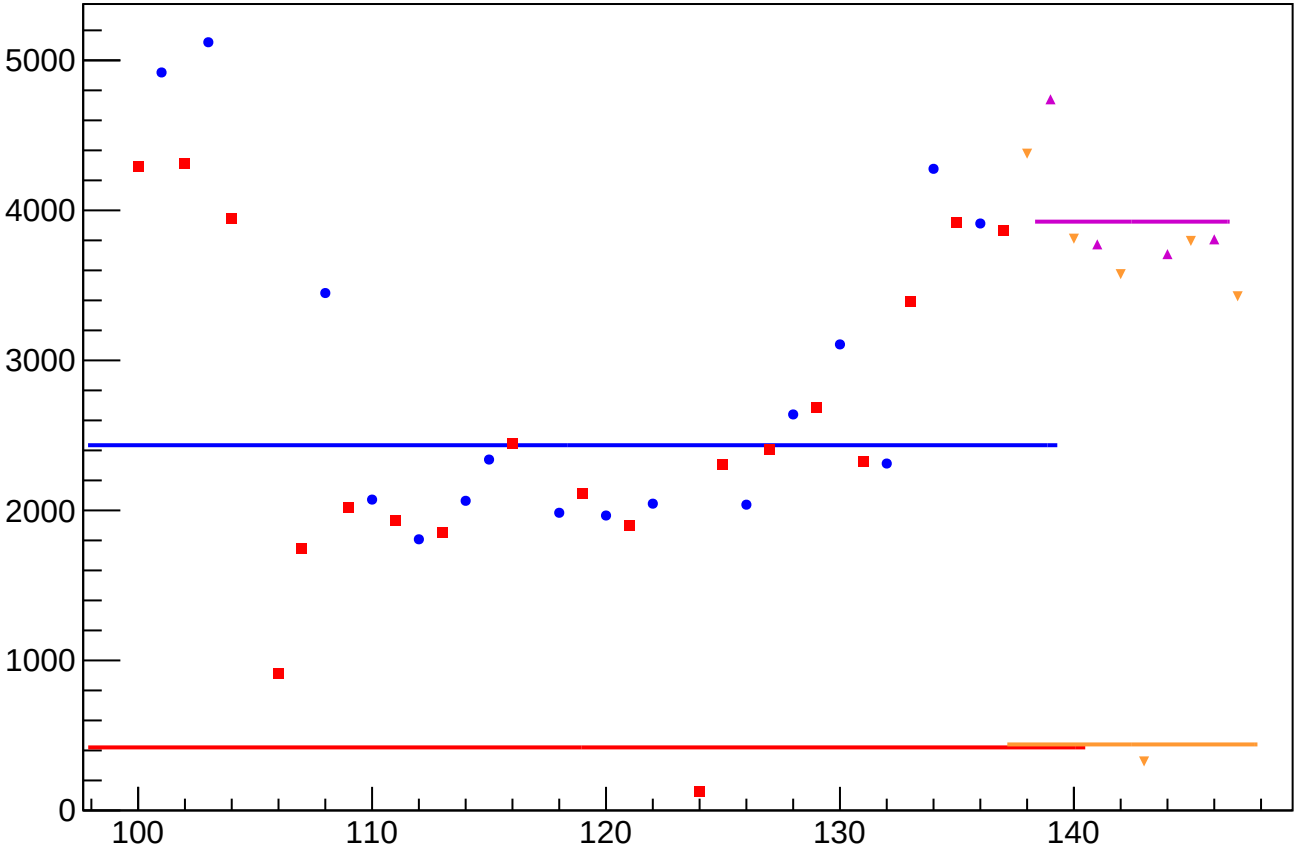
Left In: 527.601+/-2104.180 χ^2/NDF:0.8/3

+ sign 42.847+/-335.527 χ^2/NDF: 25.1/21

All: 91.050+/-231.550 χ^2/NDF: 46.8/44

- sign 134.881+/-319.950 χ^2/NDF: 21.7/22

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 440.081+/-0.253 χ^2/NDF:5925099.3/5

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

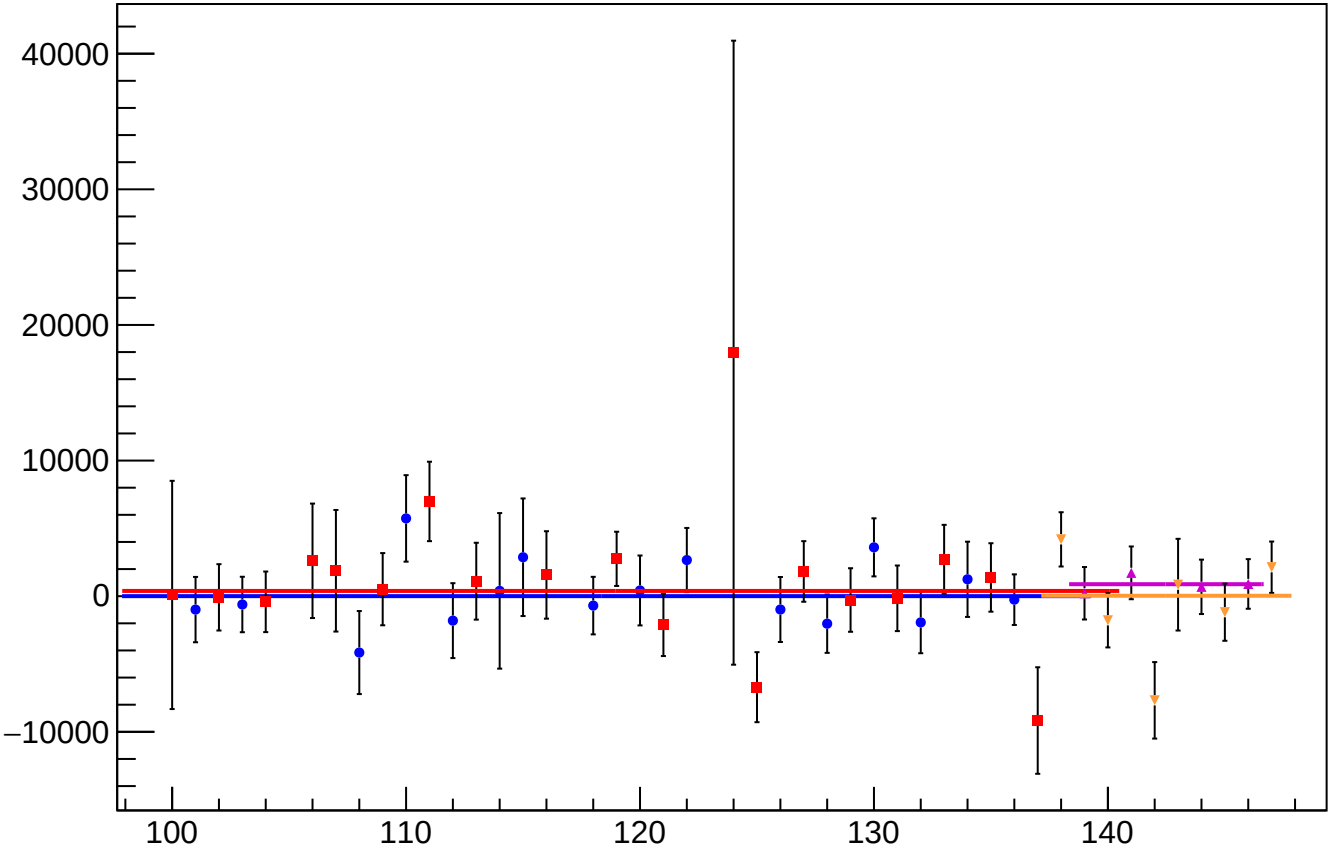
Left In: 3924.855+/-1.488 χ^2/NDF:60545.1/3

+ sign 683.179+/-0.237 χ^2/NDF: 14946700.9/21

All: 587.930+/-0.164 χ^2/NDF: 31798622.6/44

- sign 501.320+/-0.226 χ^2/NDF: 16544191.8/22

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

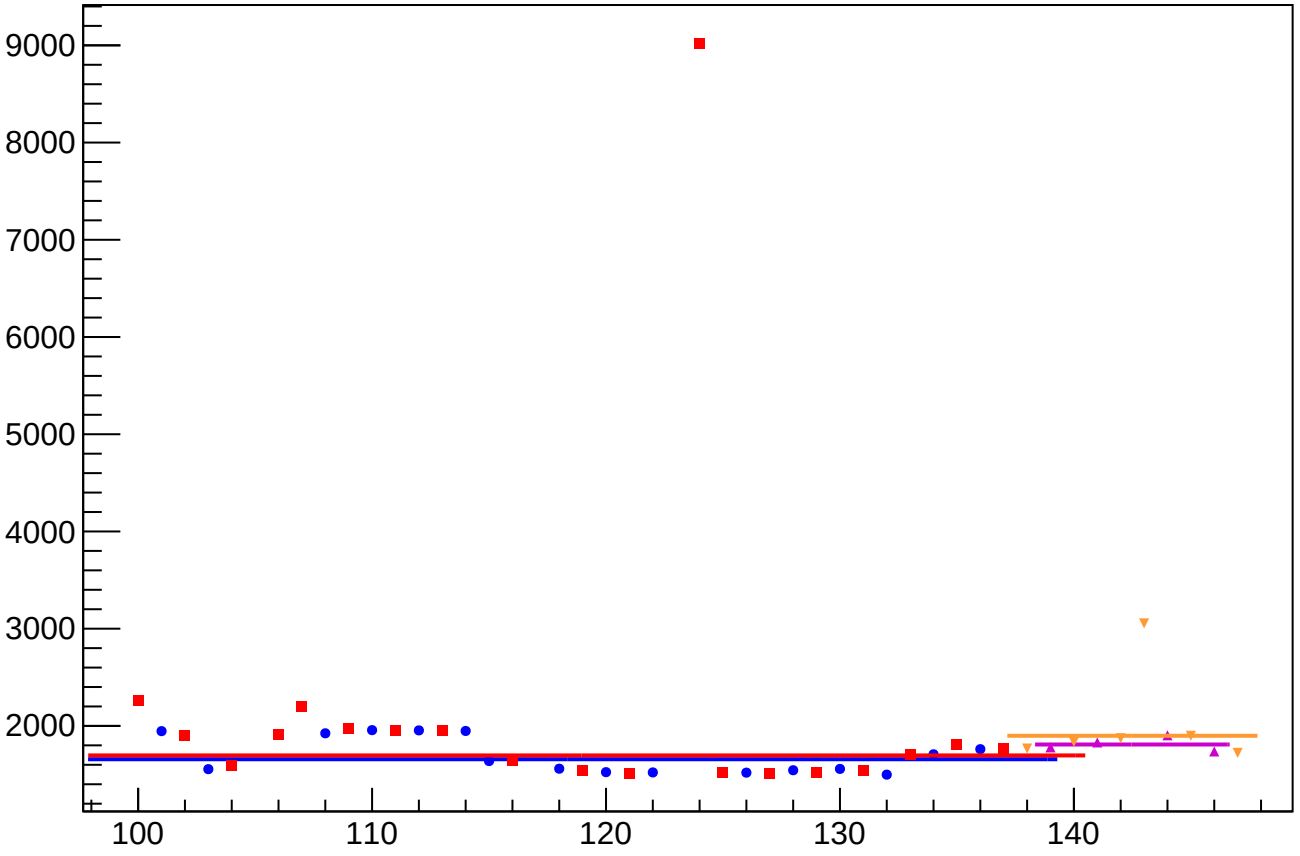
Left In: 884.895+/-962.840 χ^2/NDF:0.3/3

+ sign 13.655+/-511.645 χ^2/NDF: 26.7/21

All: 267.363+/-367.882 χ^2/NDF: 51.7/44

- sign 538.917+/-529.333 χ^2/NDF: 24.5/22

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

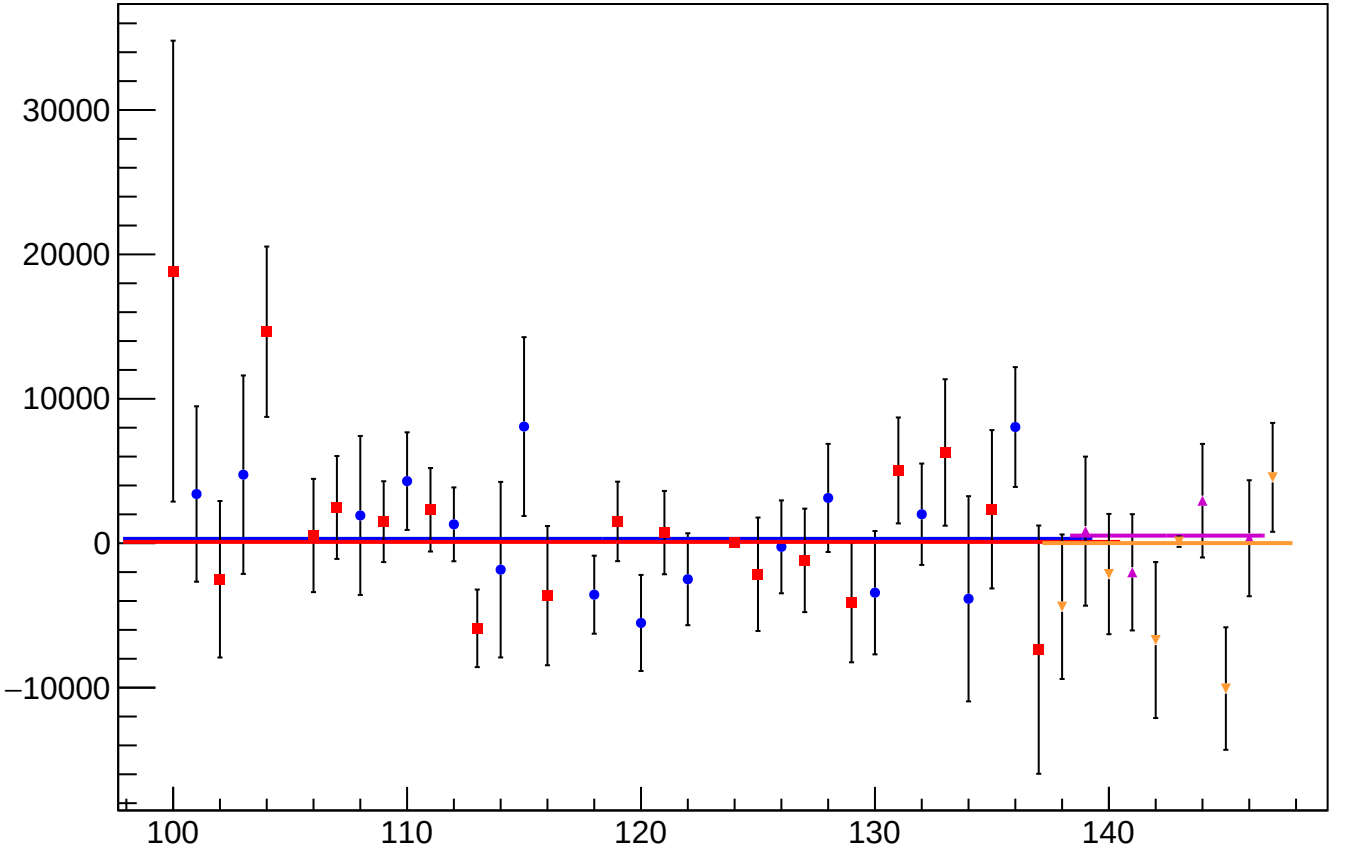
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.5/21

All: 1732.203+/-0.260 χ^2/NDF: 917824.4/44

- sign 1730.207+/-0.373 χ^2/NDF: 415206.4/22

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

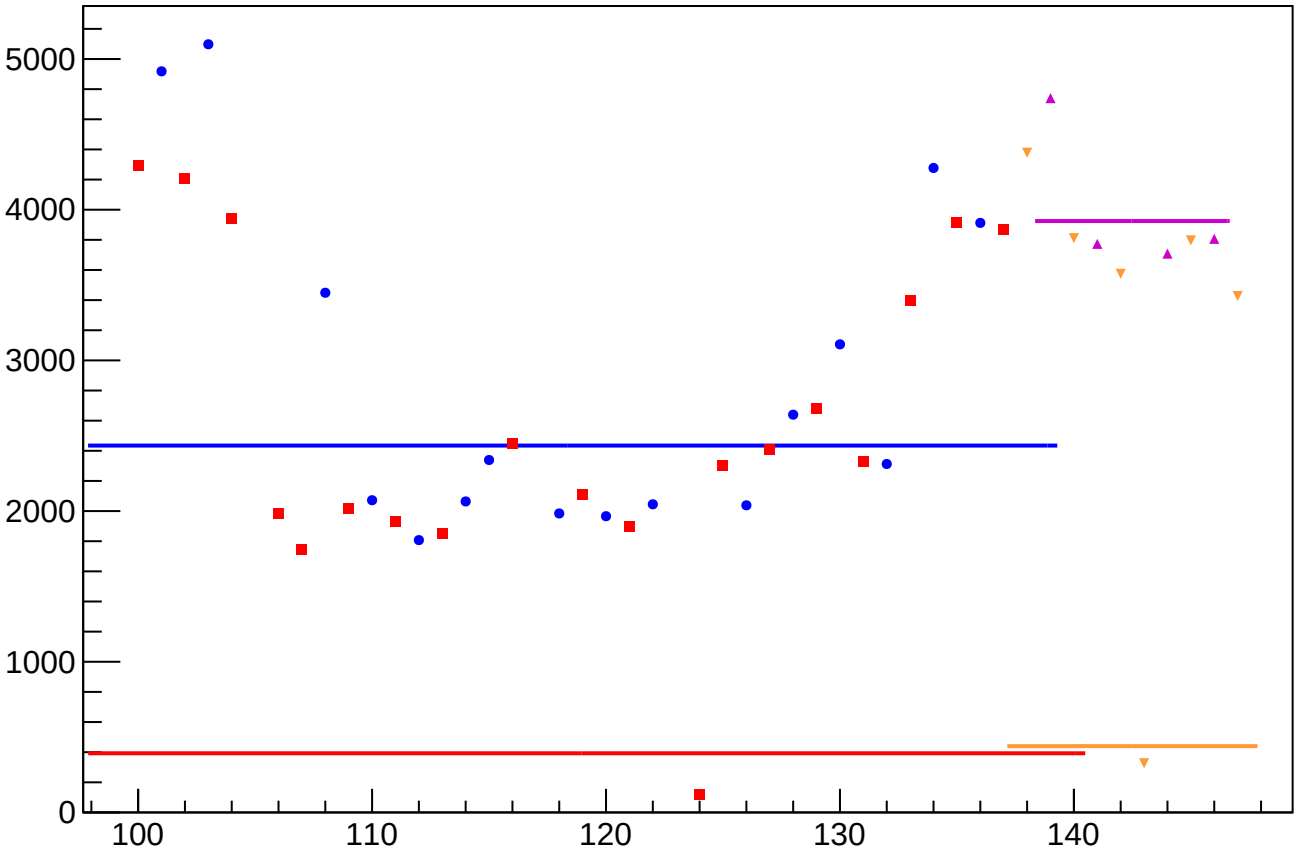
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 527.551+/-2104.179 χ^2/NDF:0.8/3

+ sign 44.793+/-335.499 χ^2/NDF: 25.2/21

All: 75.355+/-228.576 χ^2/NDF: 46.6/44

- sign 101.829+/-312.261 χ^2/NDF: 21.4/22



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

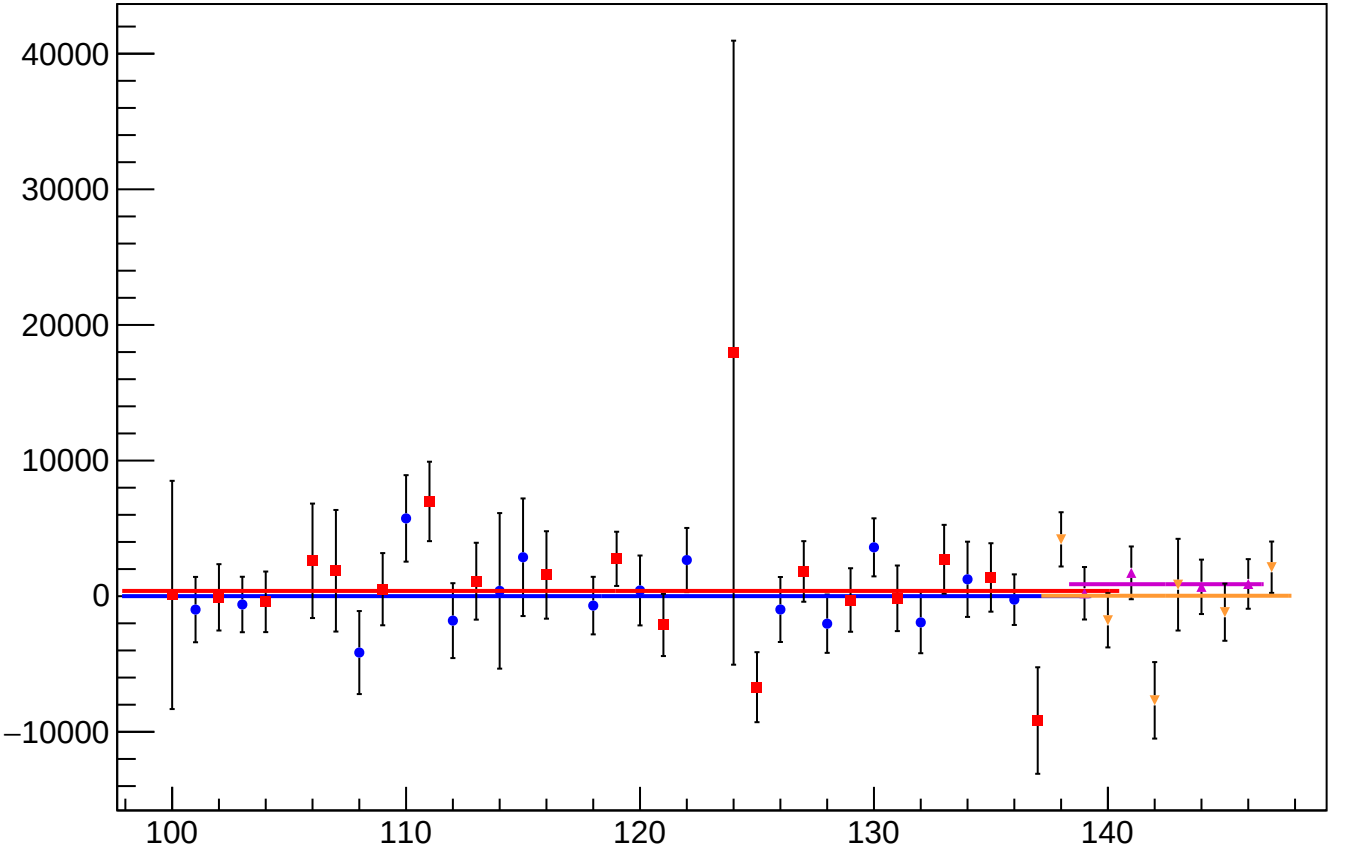
Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

+ sign 683.179+/-0.237 χ^2/NDF: 14948510.9/21

All: 569.195+/-0.162 χ^2/NDF: 32359544.3/44

- sign 470.454+/-0.221 χ^2/NDF: 16980197.3/22

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

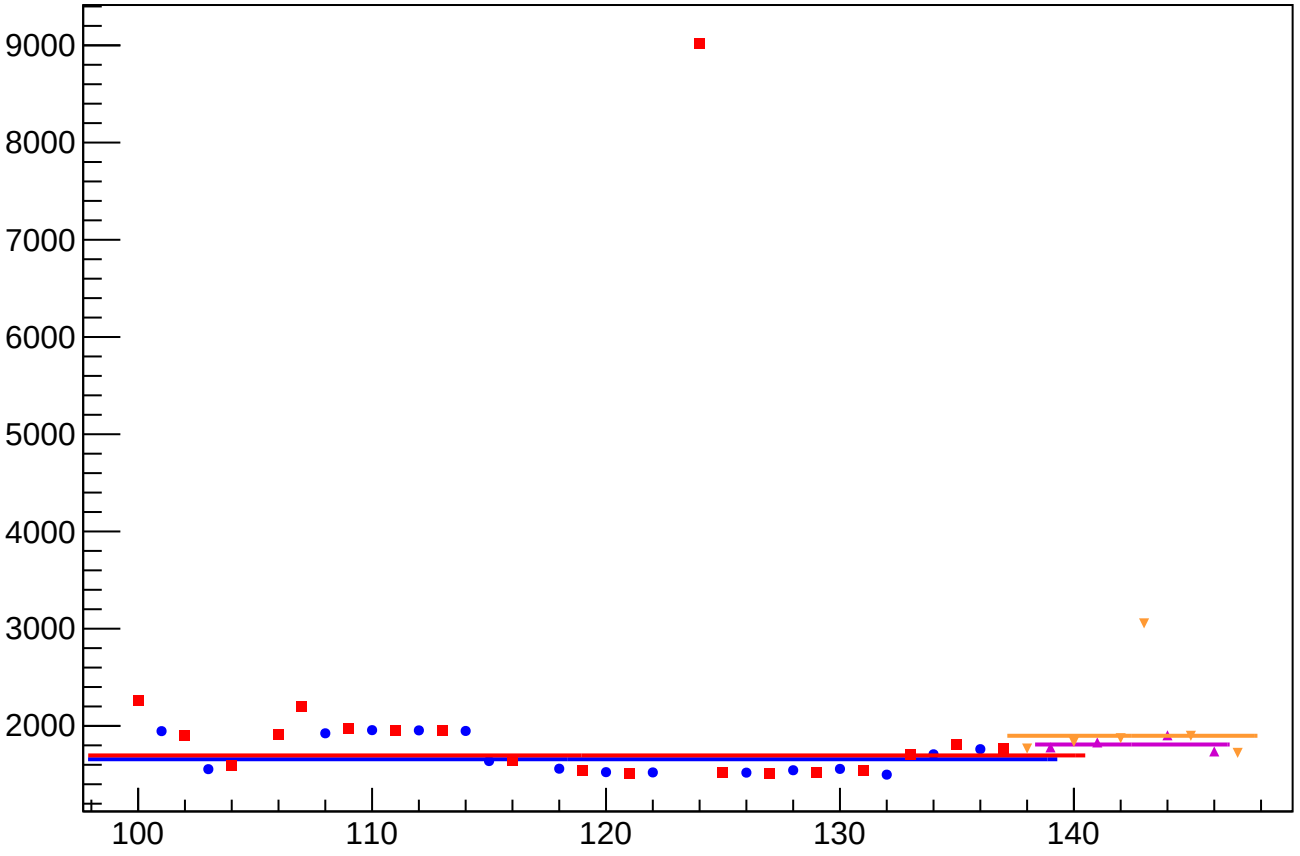
Left In: 884.895+/-962.840 χ^2/NDF:0.3/3

+ sign 13.655+/-511.645 χ^2/NDF: 26.7/21

All: 267.363+/-367.882 χ^2/NDF: 51.7/44

- sign 538.917+/-529.333 χ^2/NDF: 24.5/22

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

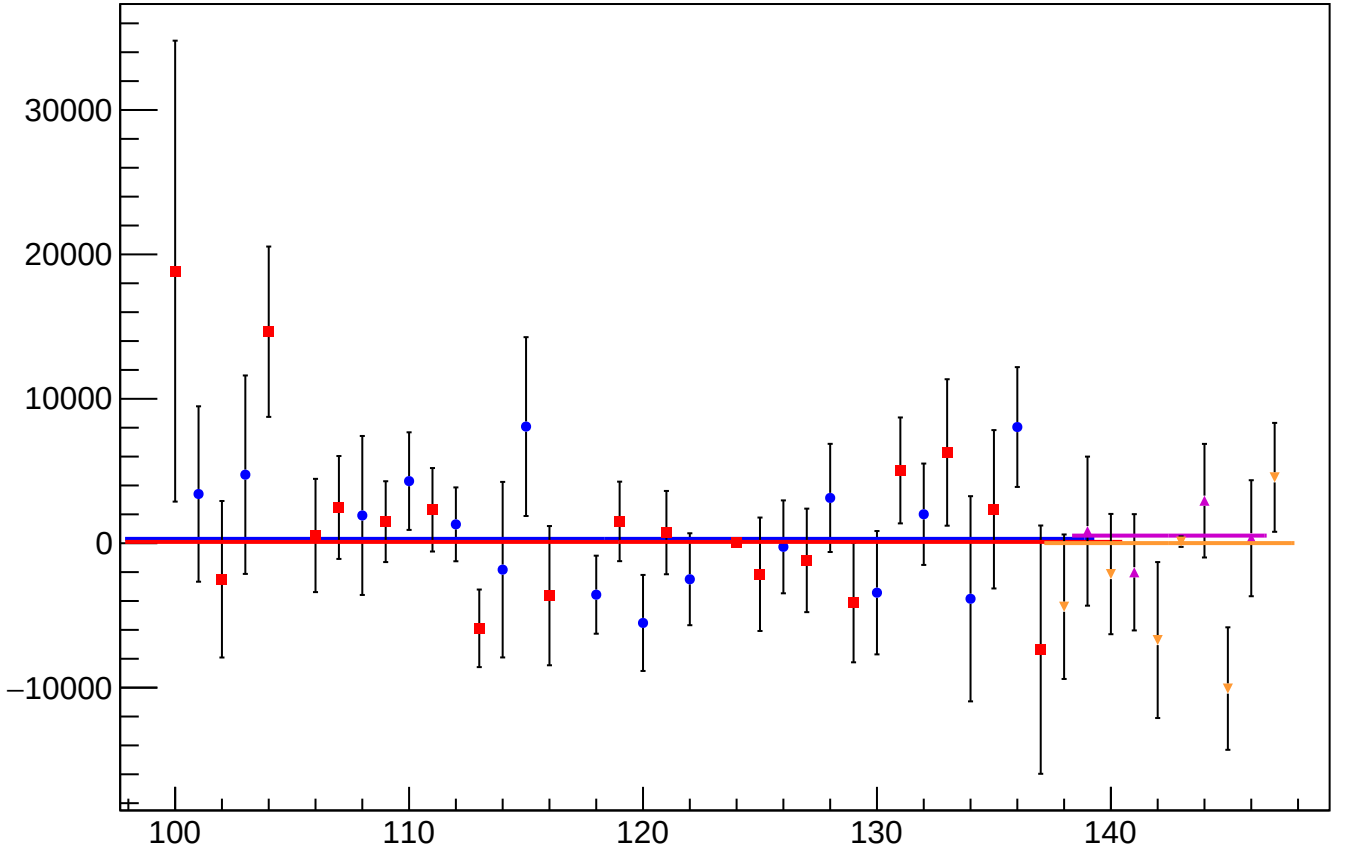
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.5/21

All: 1732.203+/-0.260 χ^2/NDF: 917824.4/44

- sign 1730.207+/-0.373 χ^2/NDF: 415206.4/22

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

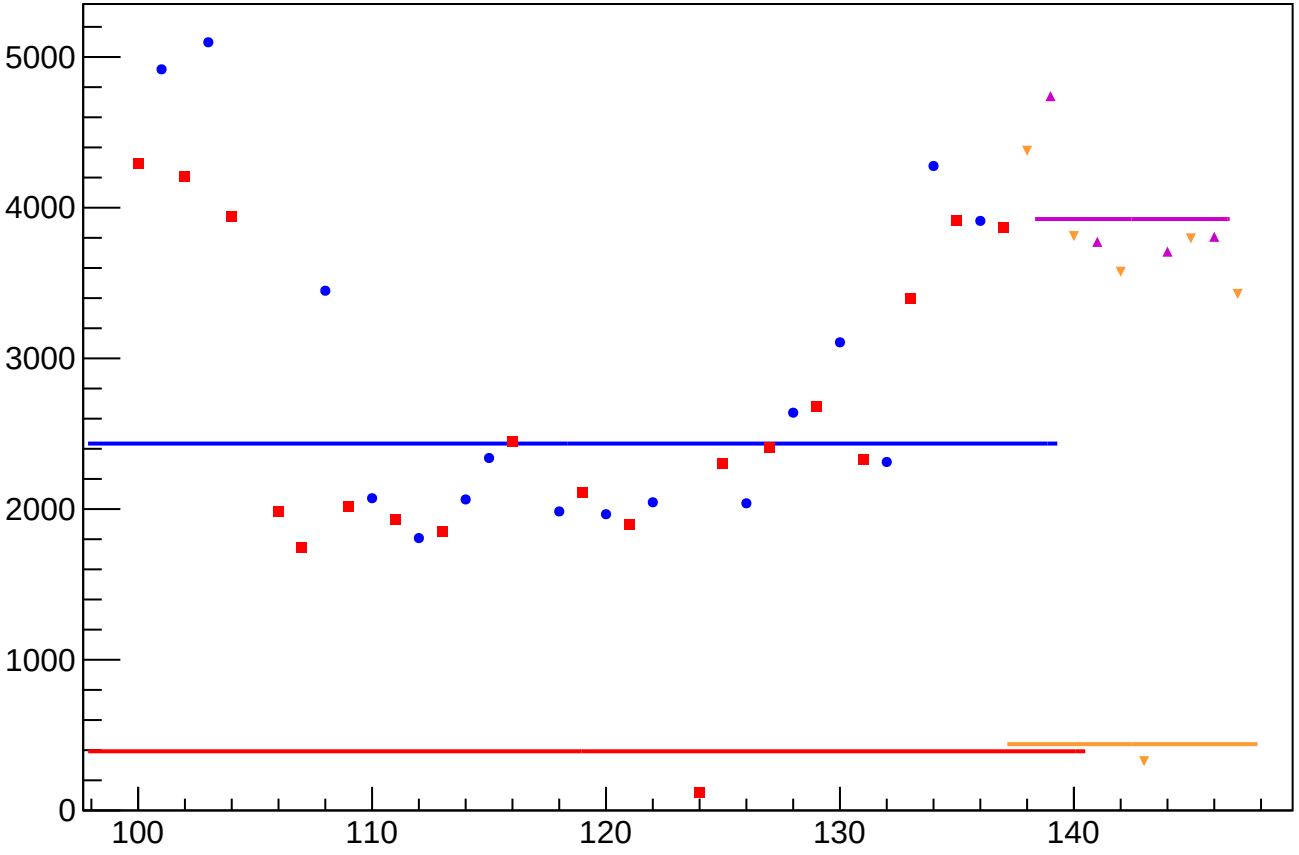
Left In: 527.551+/-2104.179 χ^2/NDF:0.8/3

\+ sign 44.793+/-335.499 χ^2/NDF: 25.2/21

All: 75.355+/-228.576 χ^2/NDF: 46.6/44

\- sign 101.829+/-312.261 χ^2/NDF: 21.4/22

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

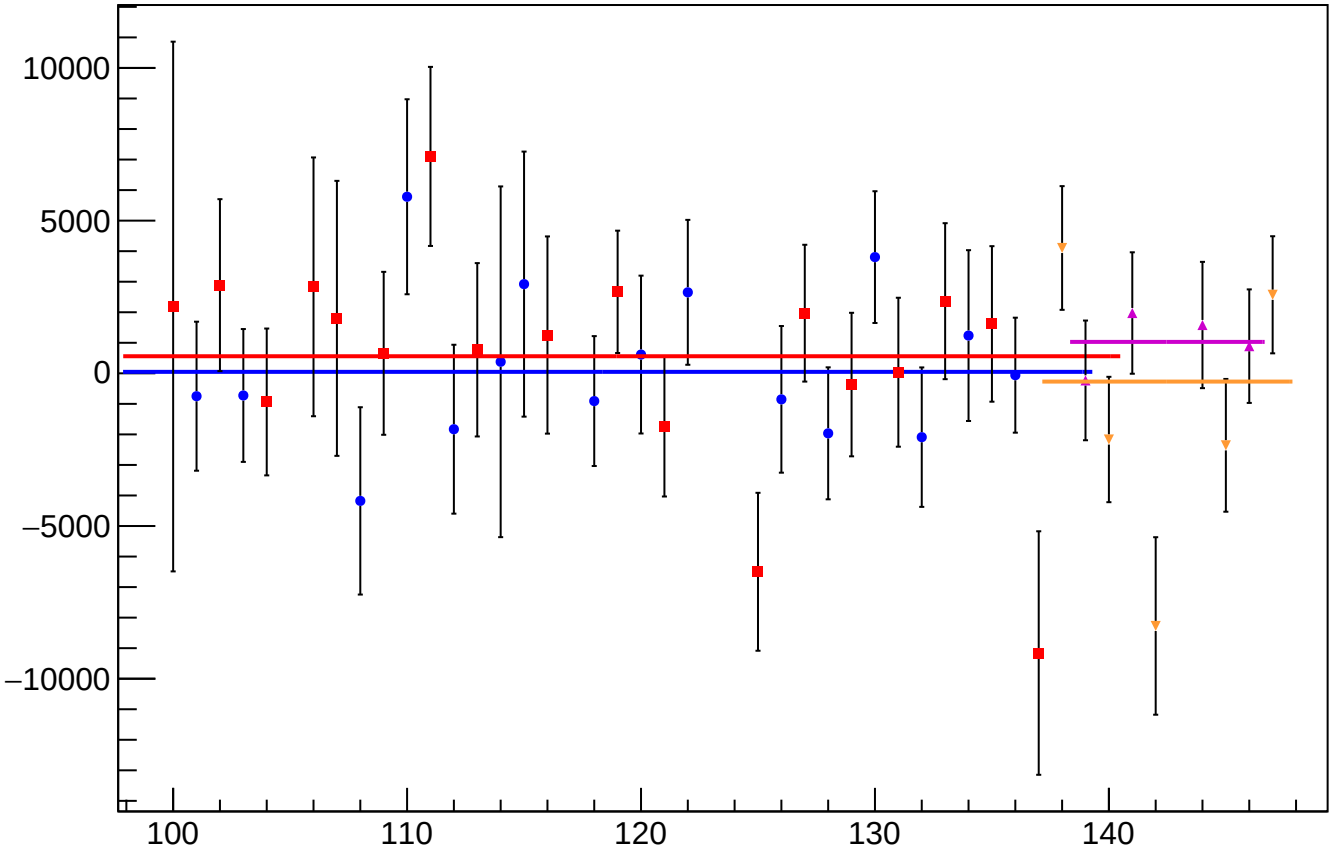
Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

+ sign 683.179+/-0.237 χ^2/NDF: 14948510.9/21

All: 569.195+/-0.162 χ^2/NDF: 32359544.3/44

- sign 470.454+/-0.221 χ^2/NDF: 16980197.3/22

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -270.086+/-960.887 χ^2/NDF:16.2/4

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

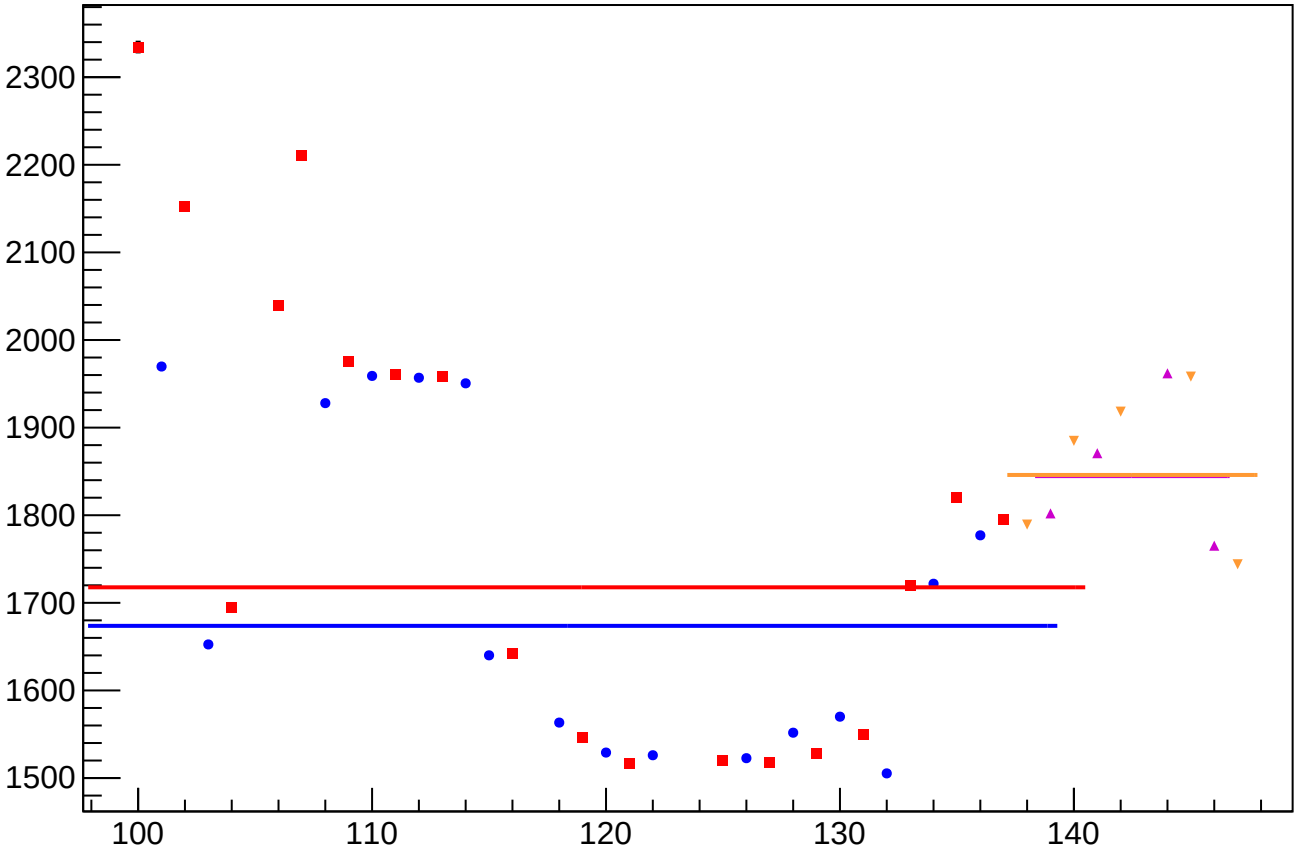
Left In: 1029.255+/-982.242 χ^2/NDF:0.7/3

+ sign -46.578+/-524.599 χ^2/NDF: 29.1/20

All: 316.962+/-376.044 χ^2/NDF: 54.3/42

- sign 701.189+/-539.319 χ^2/NDF: 24.1/21

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.962+/-0.679 χ^2/NDF:14509.0/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

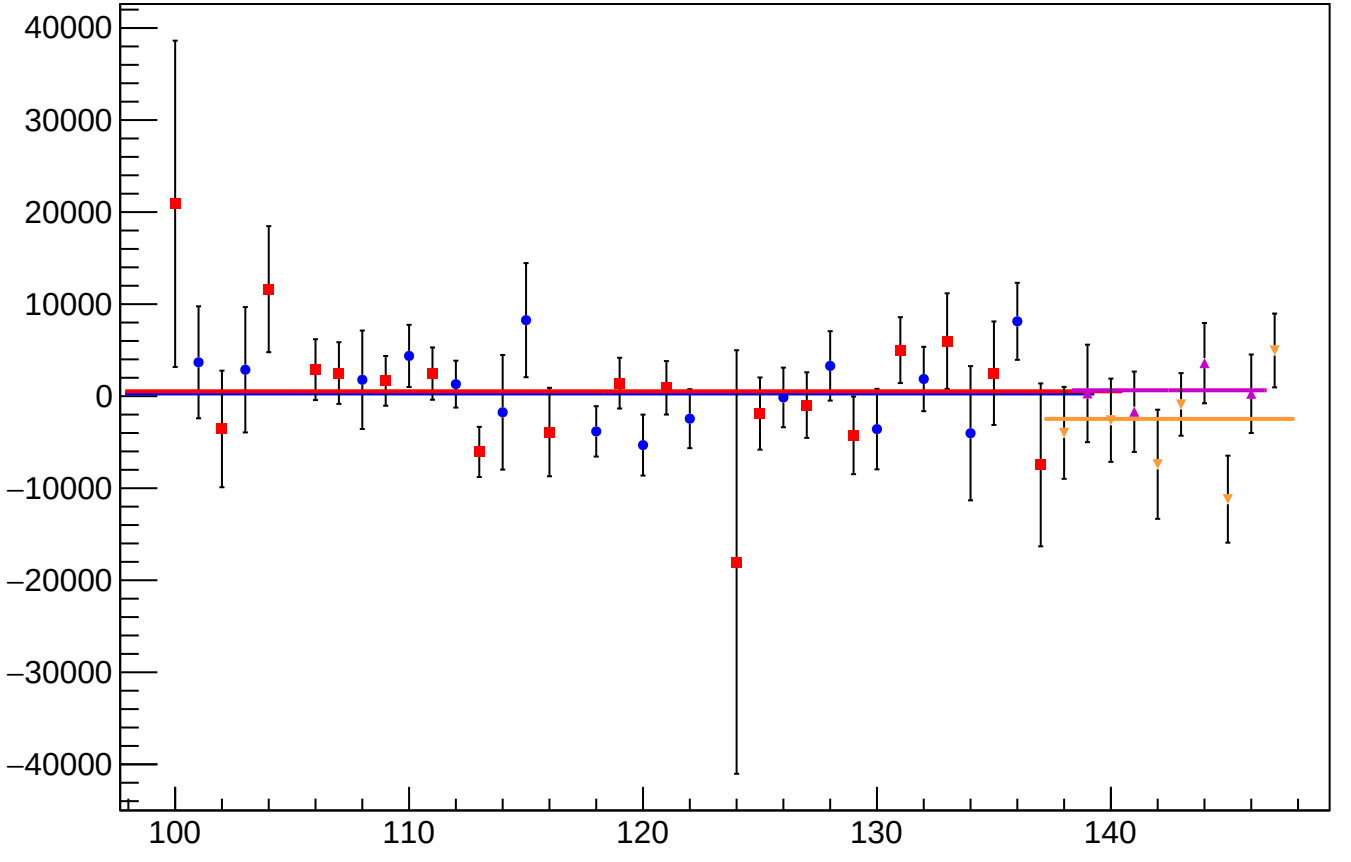
Left In: 1844.655+/-0.695 χ^2/NDF:11378.8/3

+ sign 1725.065+/-0.371 χ^2/NDF: 200486.4/20

All: 1740.061+/-0.266 χ^2/NDF: 466229.4/42

- sign 1755.860+/-0.381 χ^2/NDF: 262387.0/21

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2467.767+/-1793.878 χ^2/NDF:7.8/5

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

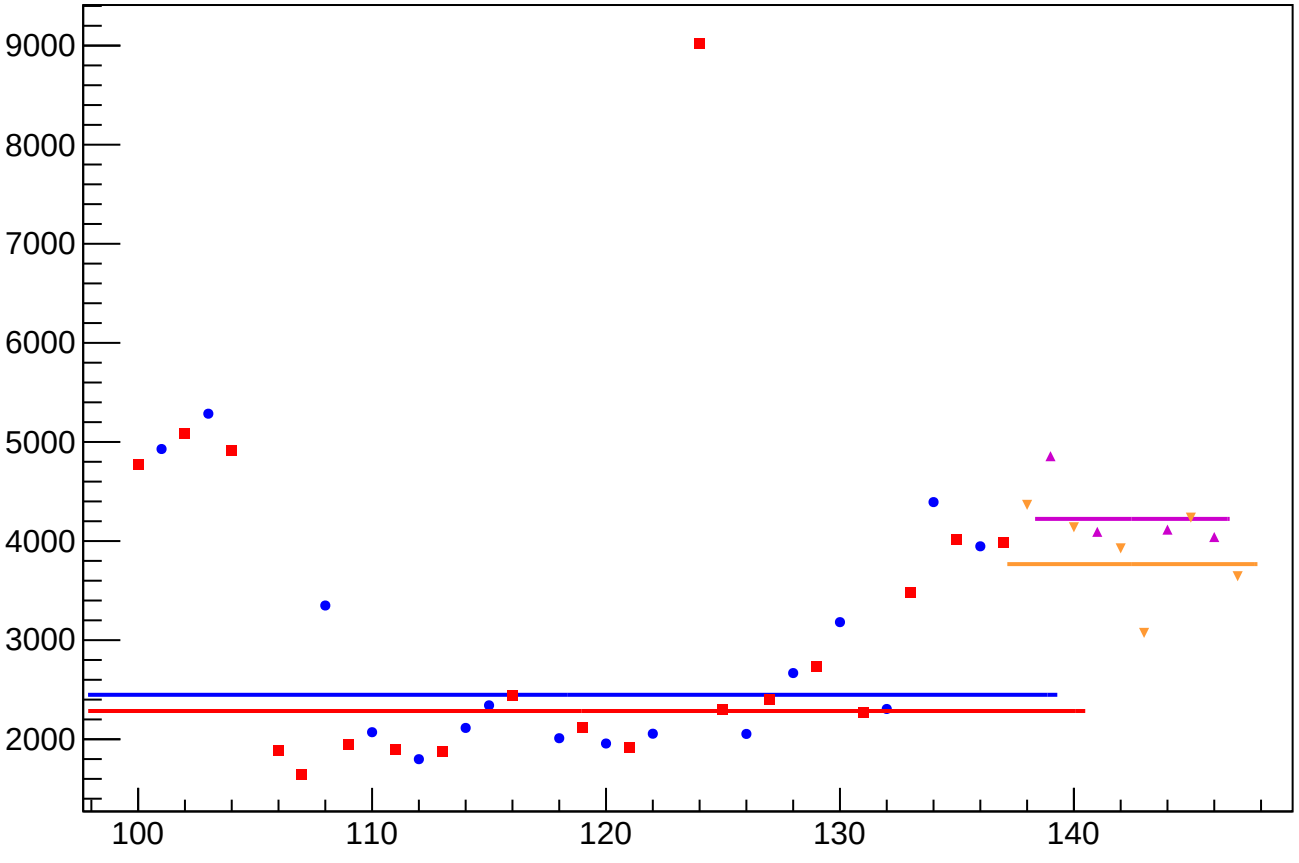
Left In: 640.685+/-2261.434 χ^2/NDF:0.8/3

+ sign -323.560+/-849.619 χ^2/NDF: 24.9/21

All: 124.659+/-591.249 χ^2/NDF: 45.0/44

- sign 545.544+/-823.306 χ^2/NDF: 19.5/22

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3767.368+/-1.268 χ^2/NDF:148425.0/5

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

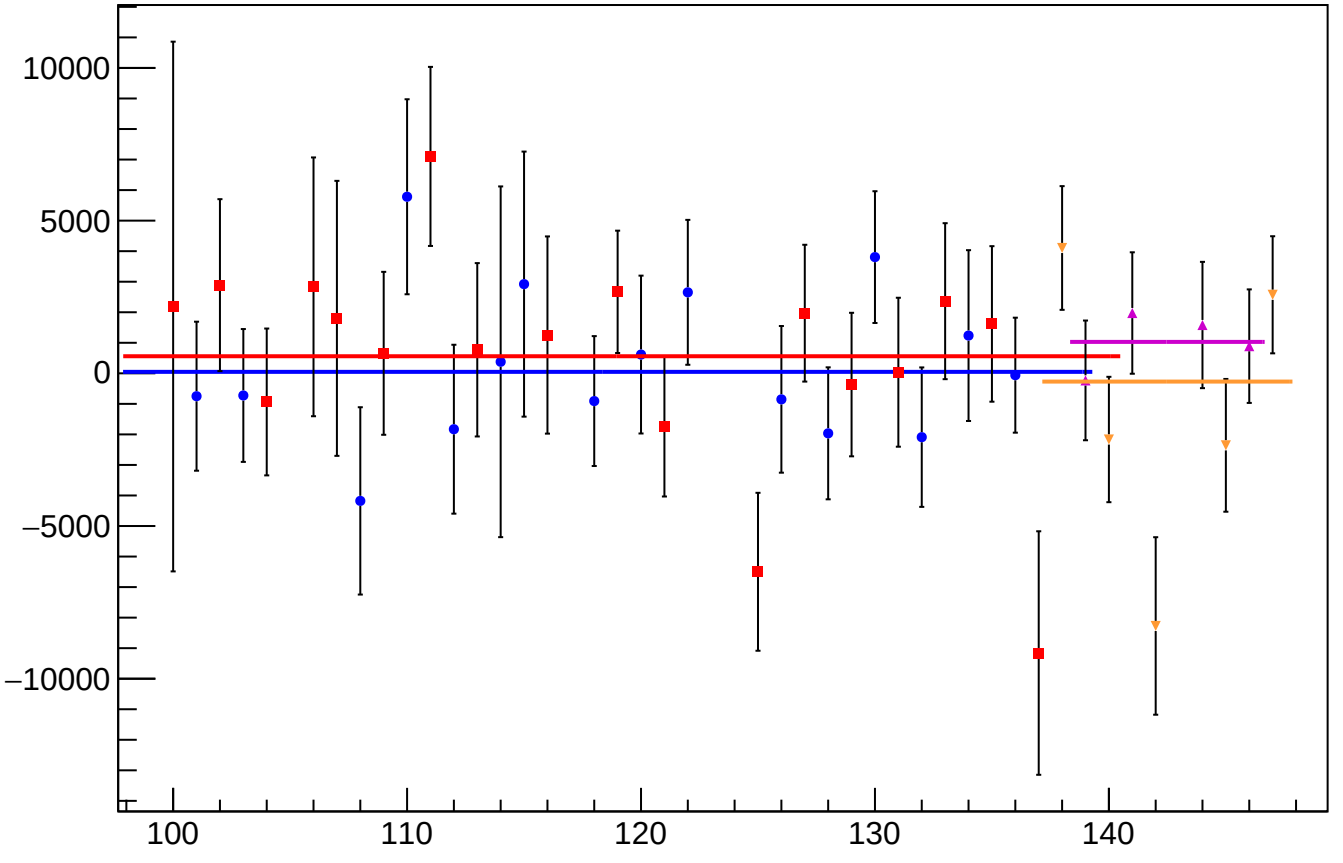
Left In: 4223.739+/-1.599 χ^2/NDF:35242.8/3

+ sign 2744.421+/-0.601 χ^2/NDF: 2504440.3/21

All: 2640.043+/-0.418 χ^2/NDF: 5422049.3/44

- sign 2542.030+/-0.582 χ^2/NDF: 2859078.4/22

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: -270.097+/-960.888 χ^2/NDF:16.2/4

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

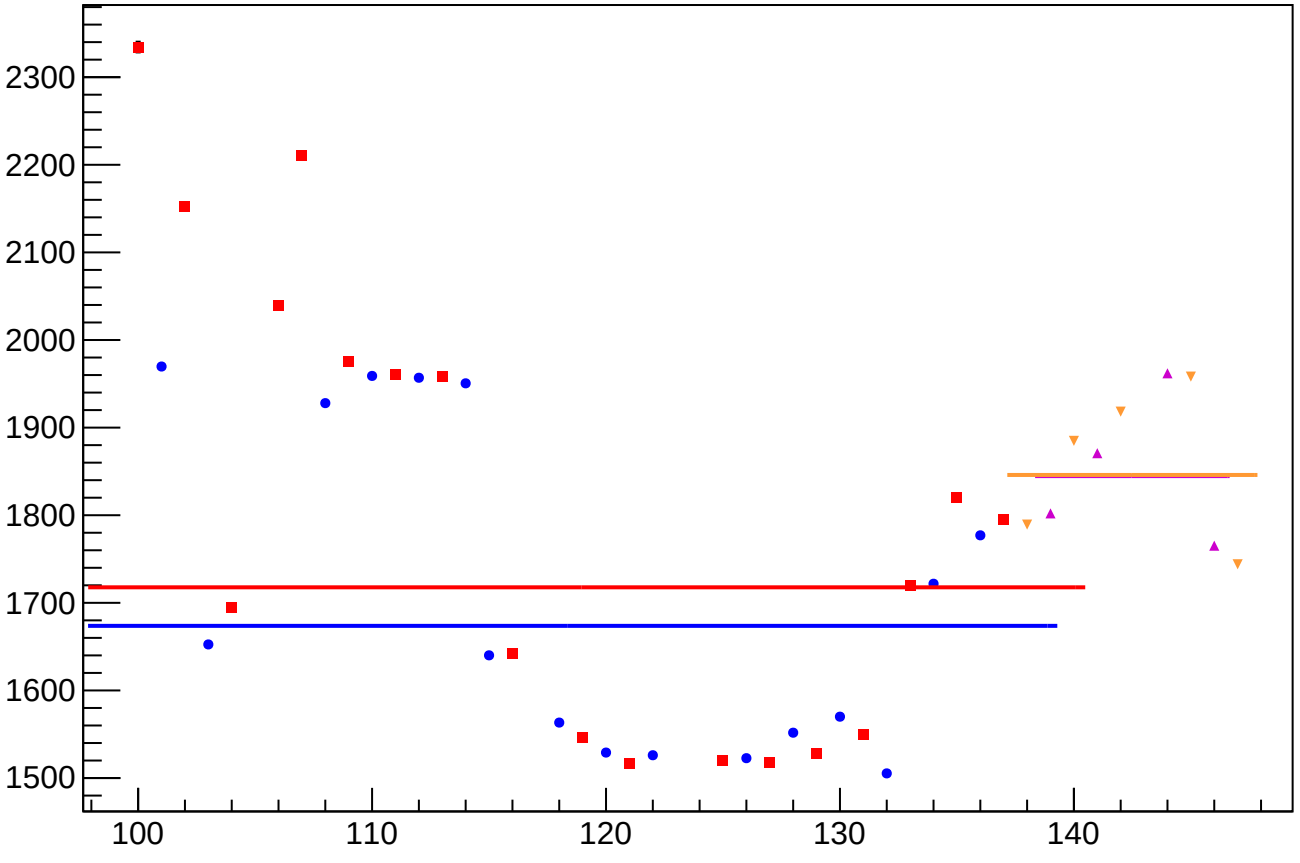
Left In: 1029.260+/-982.242 χ^2/NDF:0.7/3

+ sign -46.582+/-524.599 χ^2/NDF: 29.1/20

All: 316.961+/-376.044 χ^2/NDF: 54.3/42

- sign 701.192+/-539.319 χ^2/NDF: 24.1/21

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.963+/-0.679 χ^2/NDF:14509.3/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

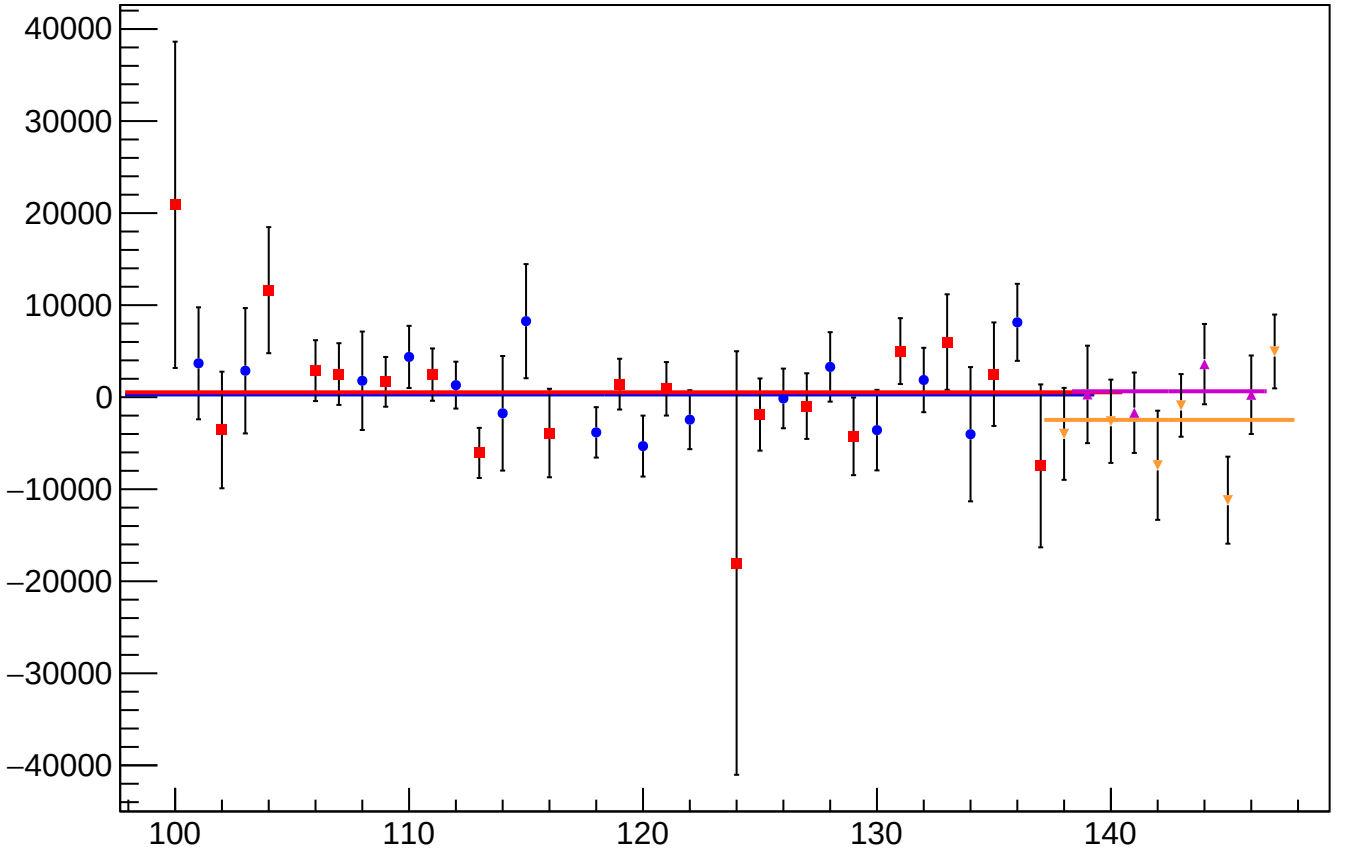
Left In: 1844.656+/-0.695 χ^2/NDF:11378.9/3

+ sign 1725.065+/-0.371 χ^2/NDF: 200487.3/20

All: 1740.062+/-0.266 χ^2/NDF: 466230.2/42

- sign 1755.860+/-0.381 χ^2/NDF: 262386.8/21

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2467.765+/-1793.881 χ^2/NDF:7.8/5

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

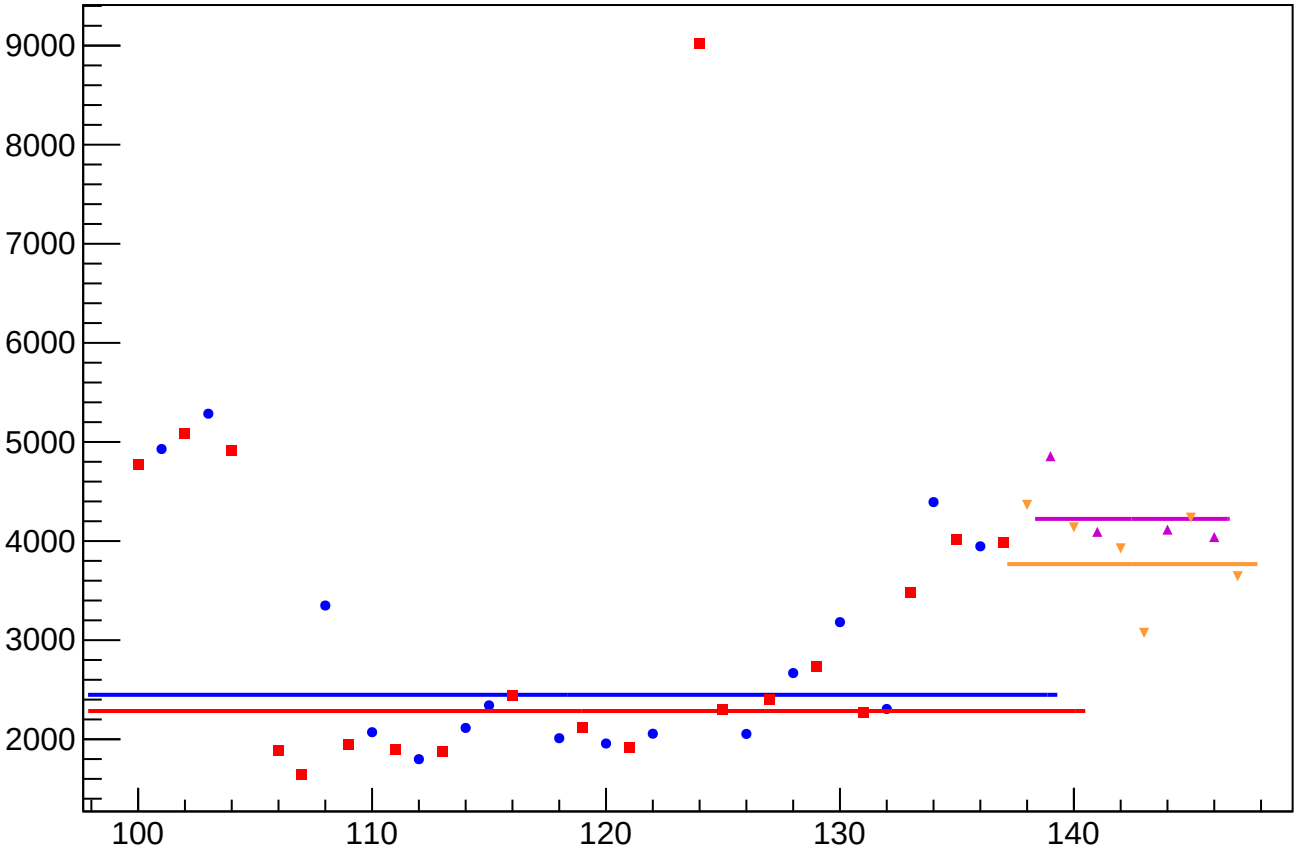
Left In: 640.687+/-2261.439 χ^2/NDF:0.8/3

+ sign -323.559+/-849.617 χ^2/NDF: 24.9/21

All: 124.660+/-591.247 χ^2/NDF: 45.0/44

- sign 545.546+/-823.303 χ^2/NDF: 19.5/22

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3767.373+/-1.268 χ^2/NDF:148428.0/5

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

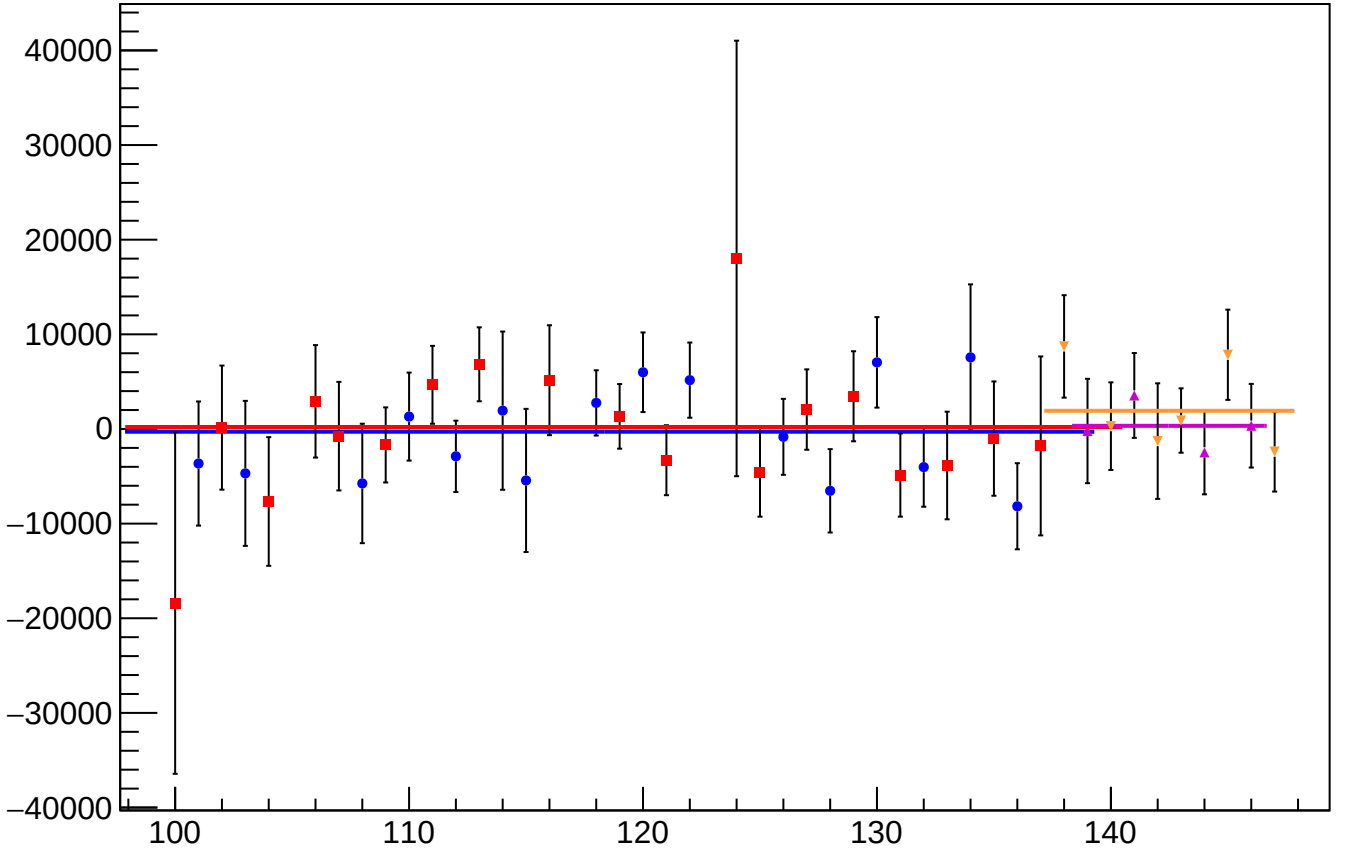
Left In: 4223.748+/-1.599 χ^2/NDF:35243.7/3

+ sign 2744.411+/-0.601 χ^2/NDF: 2504475.6/21

All: 2640.033+/-0.418 χ^2/NDF: 5422112.6/44

- sign 2542.021+/-0.582 χ^2/NDF: 2859106.5/22

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1920.851+/-1843.731 χ^2/NDF:4.7/5

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

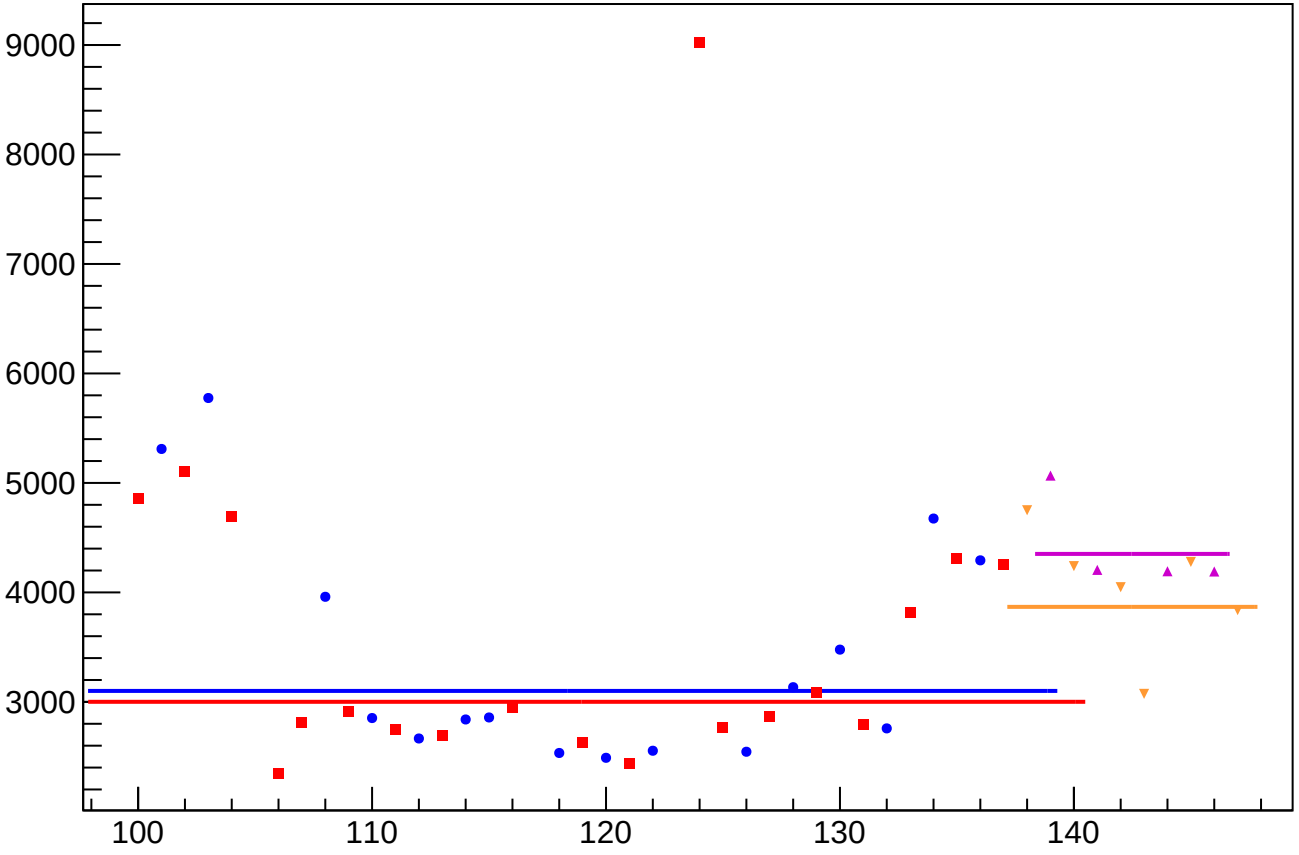
Left In: 332.172+/-2326.877 χ^2/NDF:0.9/3

+ sign 367.729+/-1004.171 χ^2/NDF: 22.2/21

All: 302.647+/-720.254 χ^2/NDF: 36.0/44

- sign 233.686+/-1033.656 χ^2/NDF: 13.8/22

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3867.886+/-1.304 χ^2/NDF:191893.8/5

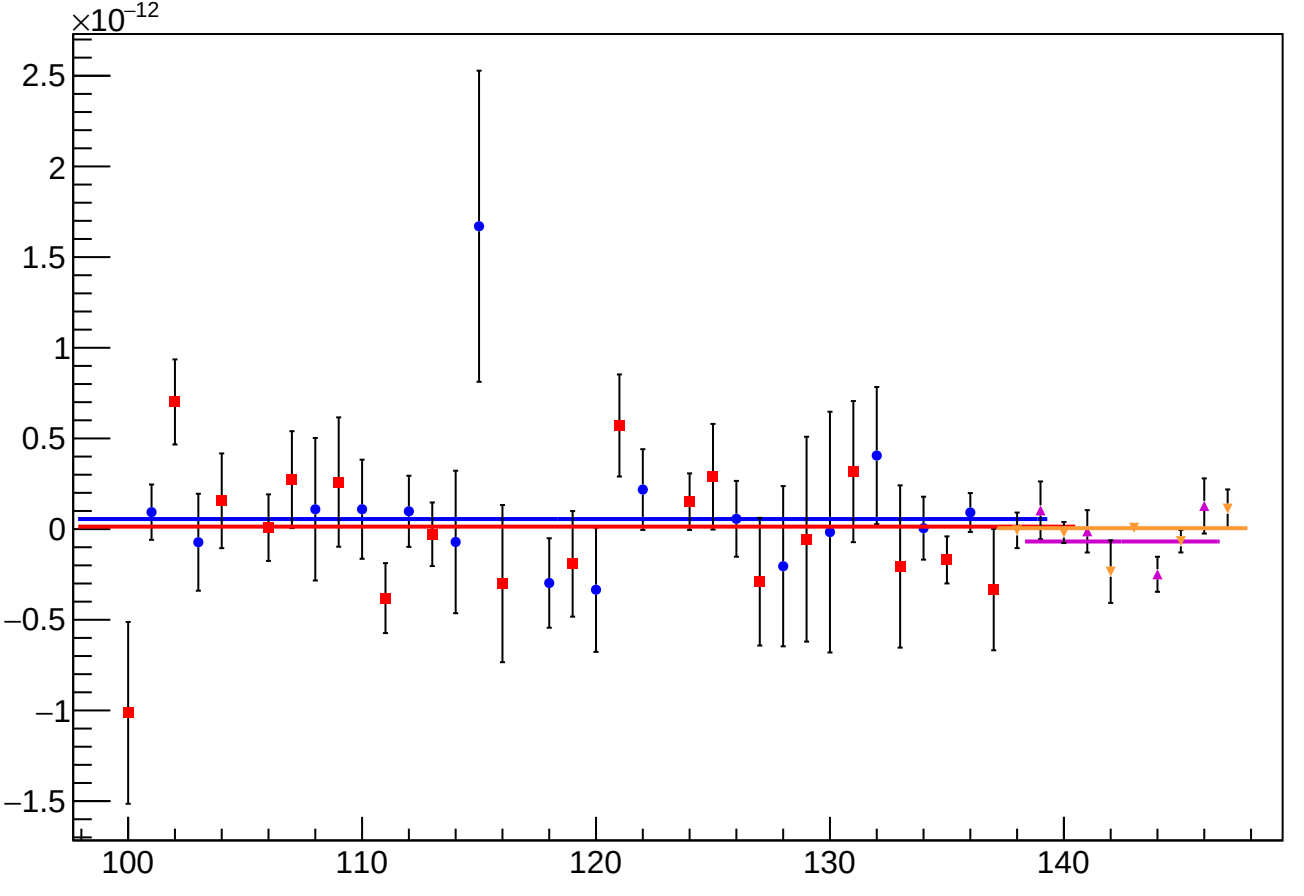
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4351.601+/-1.645 χ^2/NDF:40943.5/3

+ sign 3327.875+/-0.710 χ^2/NDF: 1399489.4/21

All: 3295.311+/-0.507 χ^2/NDF: 2795239.8/44

- sign 3261.552+/-0.723 χ^2/NDF: 1391466.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/5

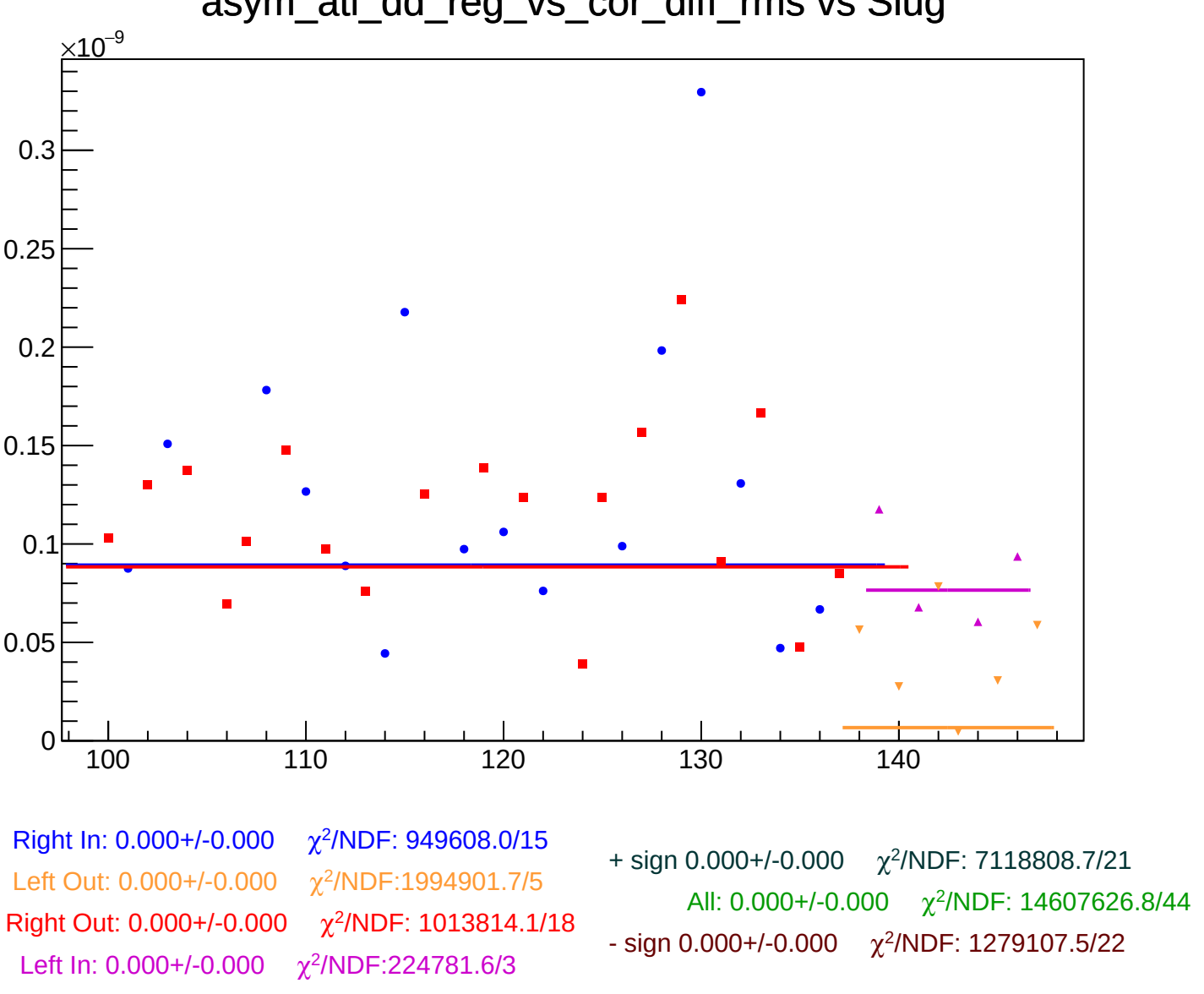
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/3

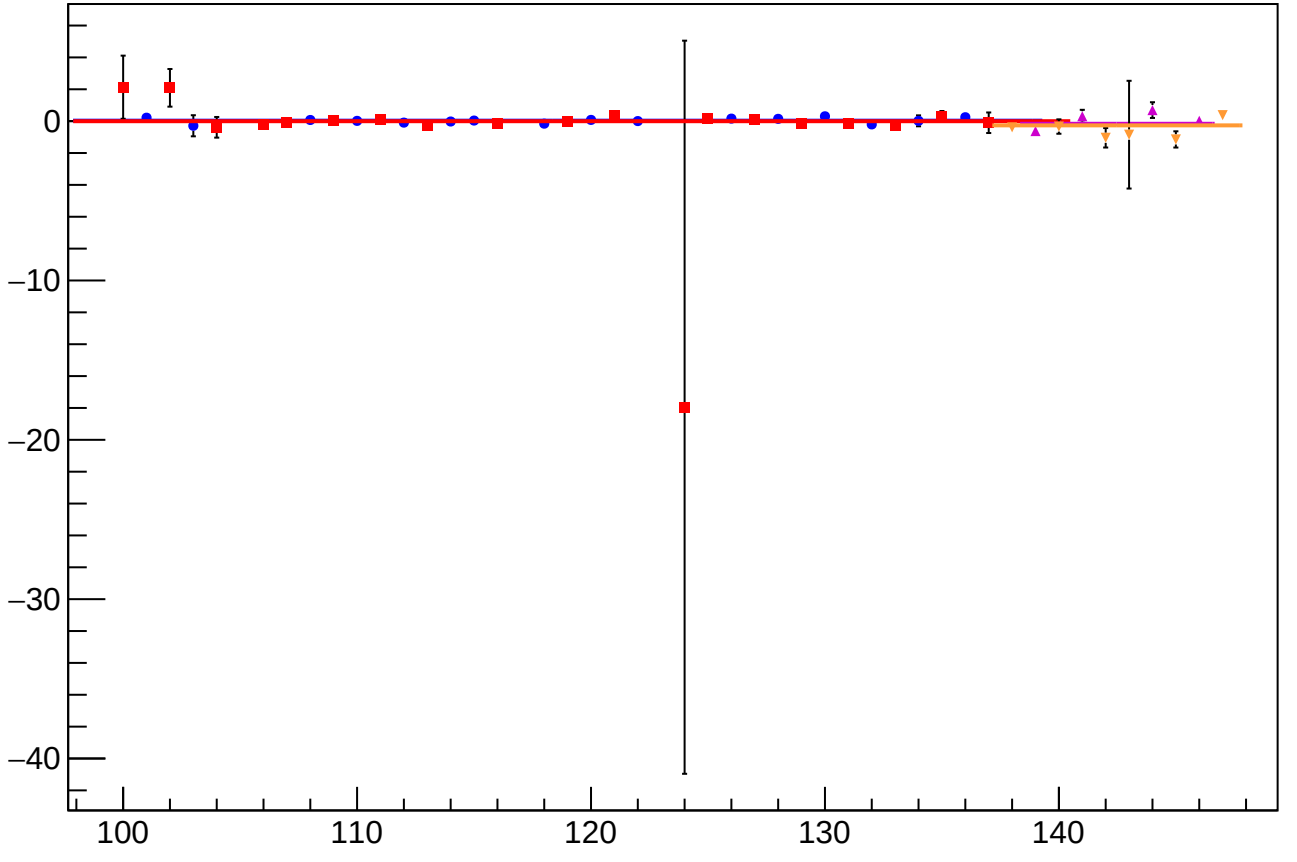
+ sign 0.000+/-0.000 χ^2/NDF: 14.6/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/44

- sign -0.000+/-0.000 χ^2/NDF: 37.6/22


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1994901.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:224781.6/3
+ sign 0.000+/-0.000 χ²/NDF: 7118808.7/21
All: 0.000+/-0.000 χ²/NDF: 14607626.8/44
- sign 0.000+/-0.000 χ²/NDF: 1279107.5/22

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

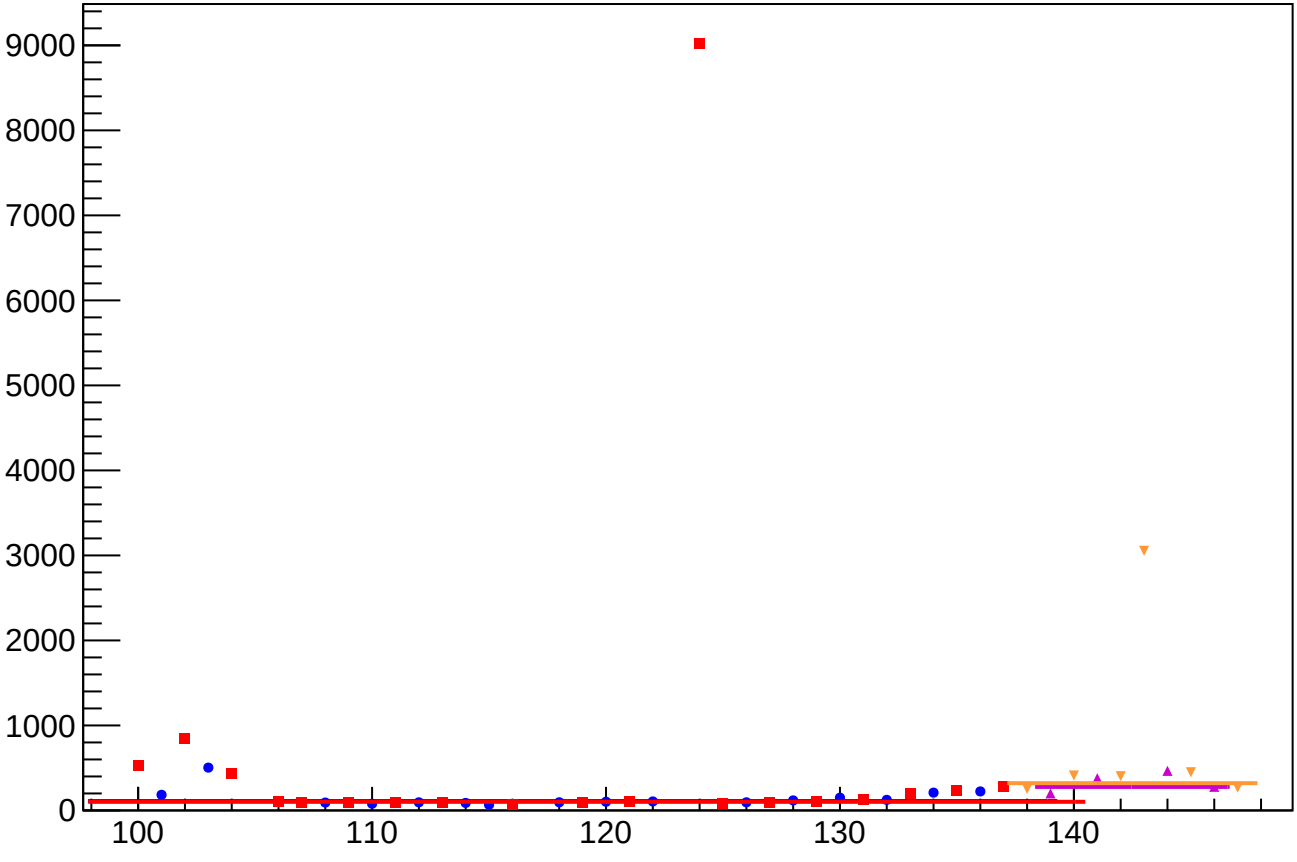
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.004+/-0.030 χ^2/NDF: 53.4/44

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 321.051+/-0.120 χ^2/NDF:1719919.0/5

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

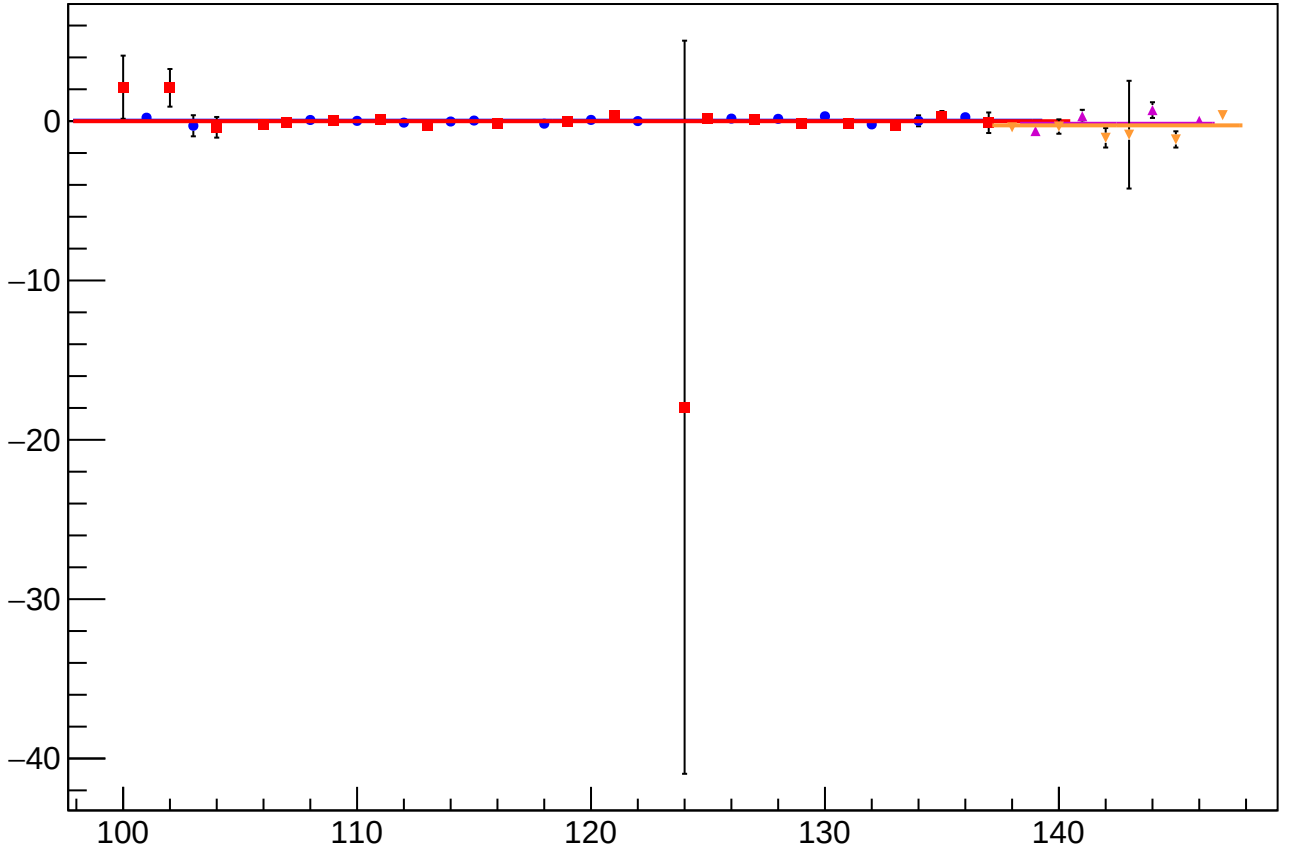
Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

+ sign 123.987+/-0.031 χ^2/NDF: 6529981.9/21

All: 118.798+/-0.021 χ^2/NDF: 12084084.8/44

- sign 114.060+/-0.030 χ^2/NDF: 5500342.7/22

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: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

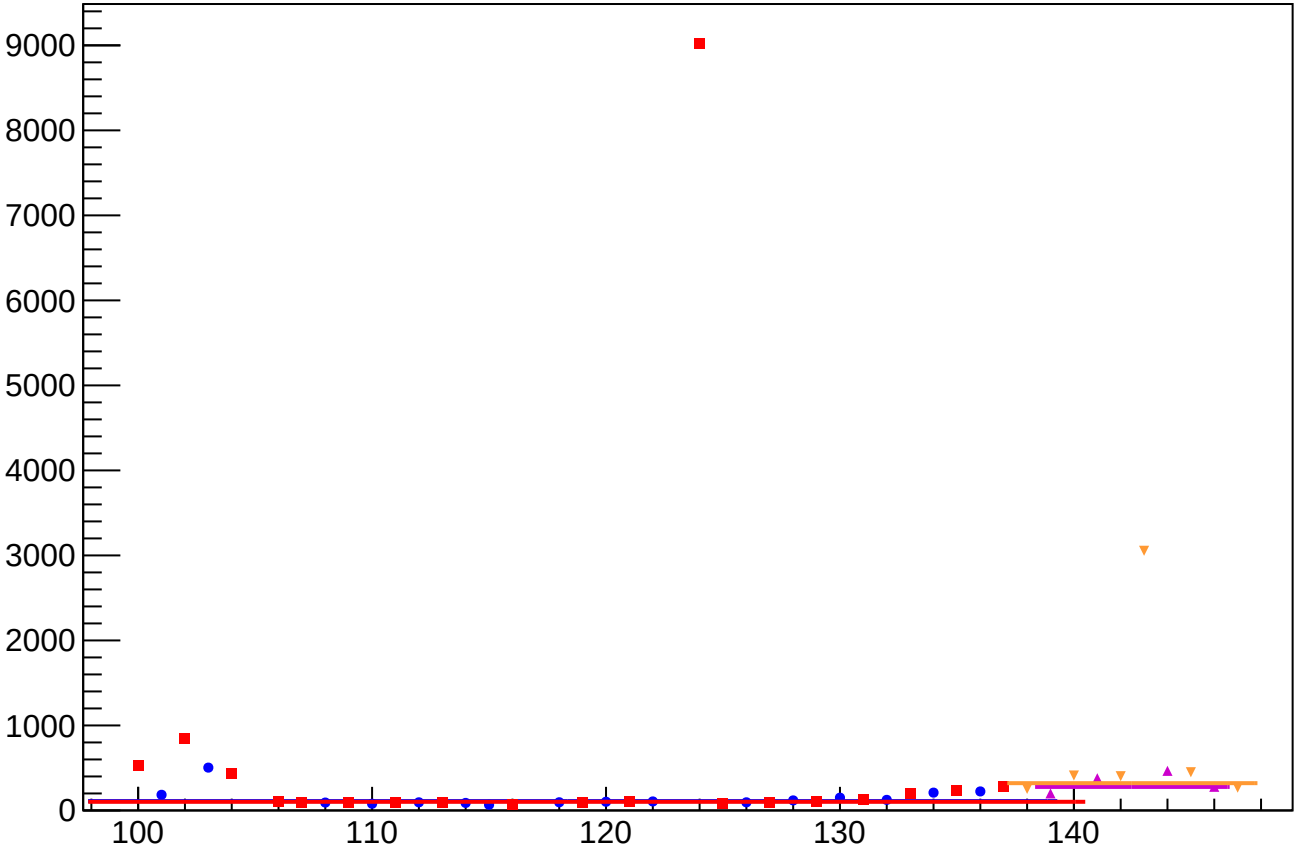
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.004+/-0.030 χ^2/NDF: 53.4/44

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

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: 321.051+/-0.120 χ^2/NDF:1719919.0/5

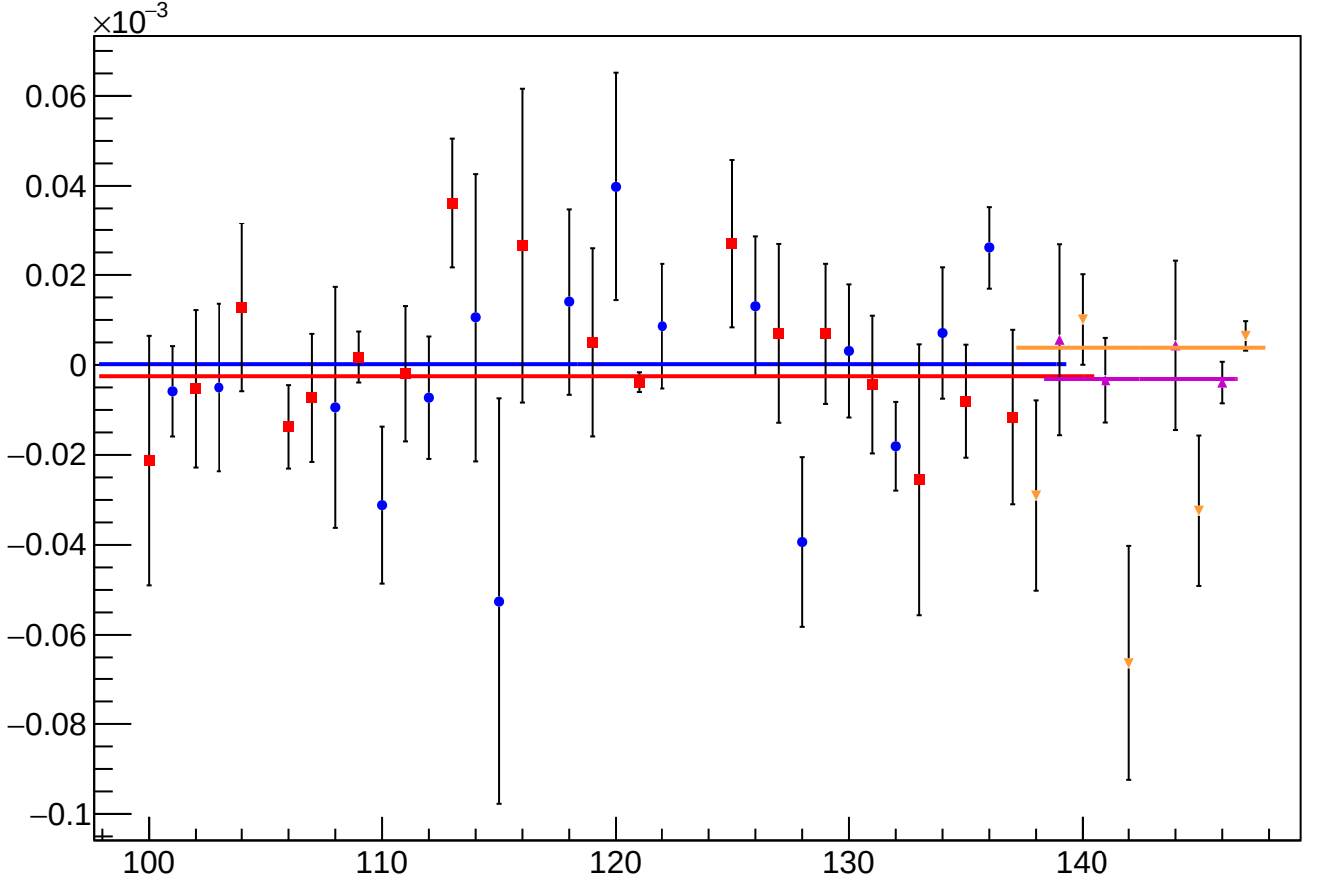
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

+ sign 123.987+/-0.031 χ^2/NDF: 6529981.9/21

All: 118.798+/-0.021 χ^2/NDF: 12084084.8/44

- sign 114.060+/-0.030 χ^2/NDF: 5500342.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

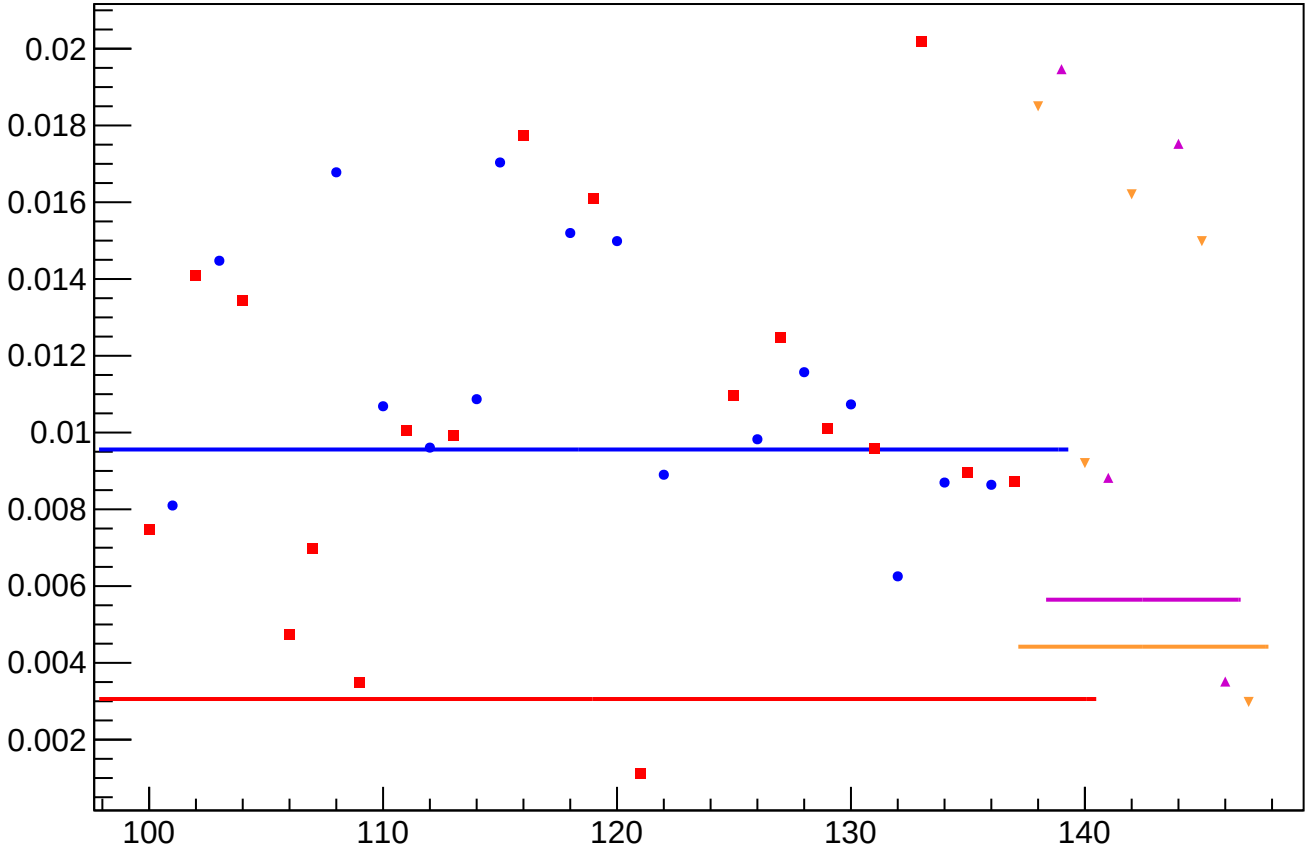
Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/20

All: -0.000+/-0.000 χ^2/NDF: 60.7/42

- sign -0.000+/-0.000 χ^2/NDF: 16.2/21

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2929635.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

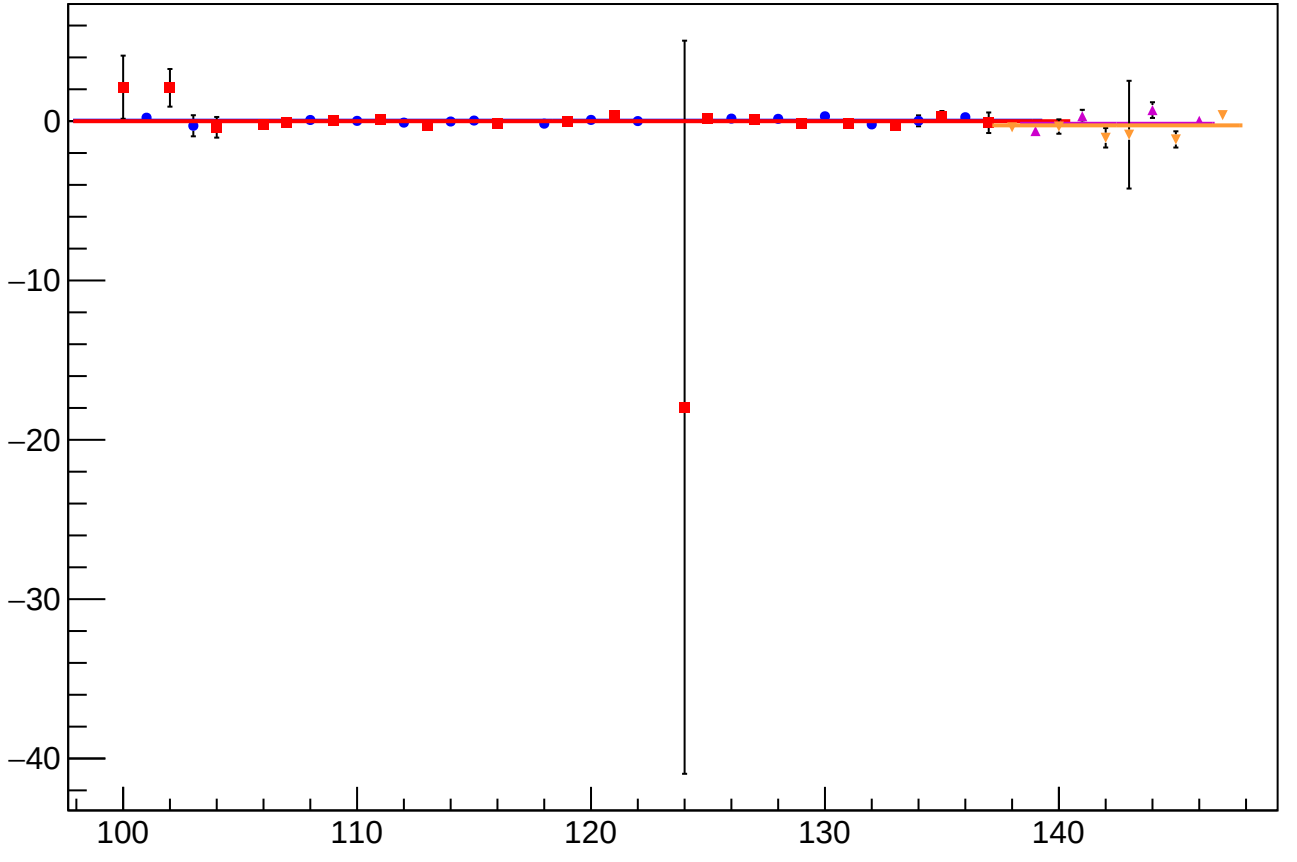
Left In: 0.006+/-0.000 χ^2/NDF:2299775.0/3

+ sign 0.006+/-0.000 χ^2/NDF: 6150605.2/20

All: 0.004+/-0.000 χ^2/NDF: 19366238.0/42

- sign 0.004+/-0.000 χ^2/NDF: 11121688.4/21

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: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

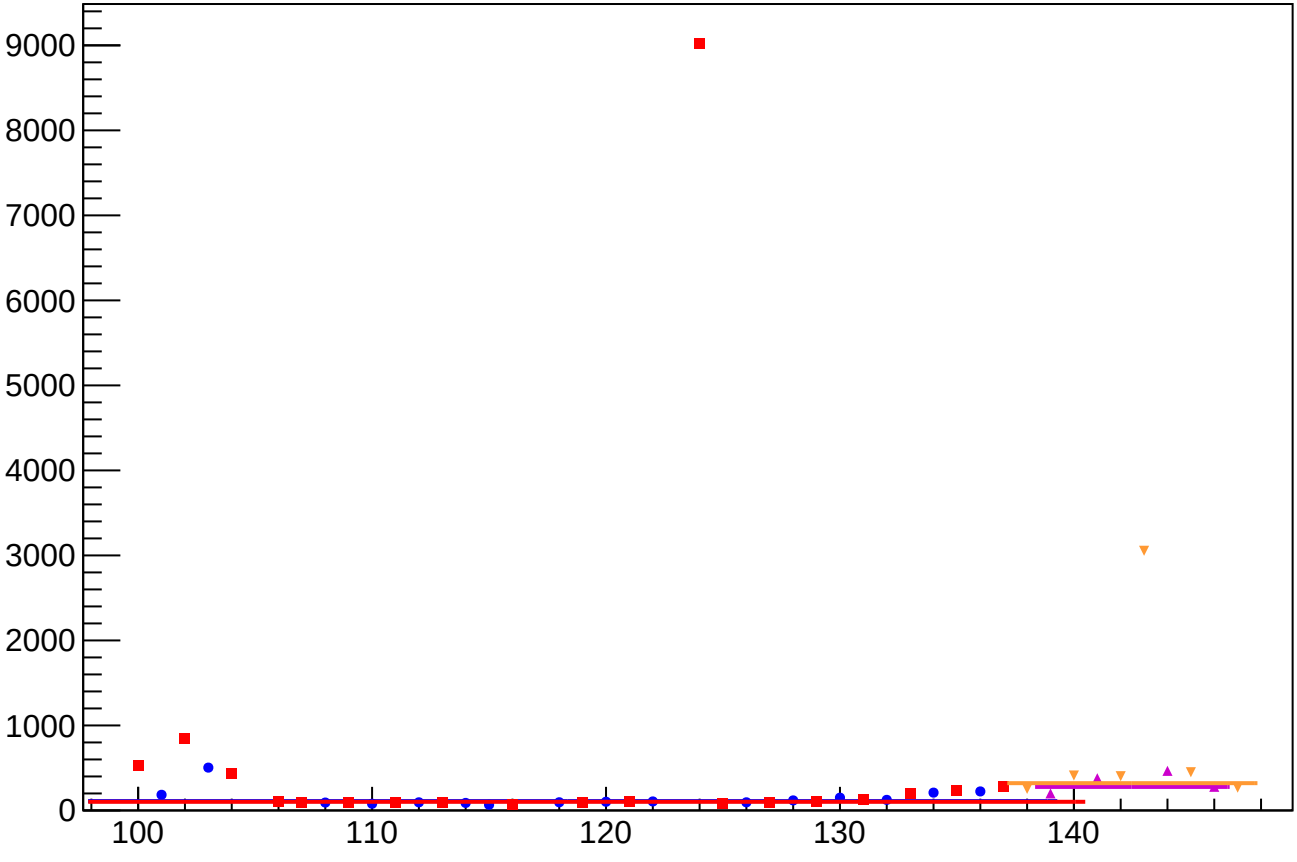
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.004+/-0.030 χ^2/NDF: 53.4/44

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

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: 321.053+/-0.120 χ^2/NDF:1719940.4/5

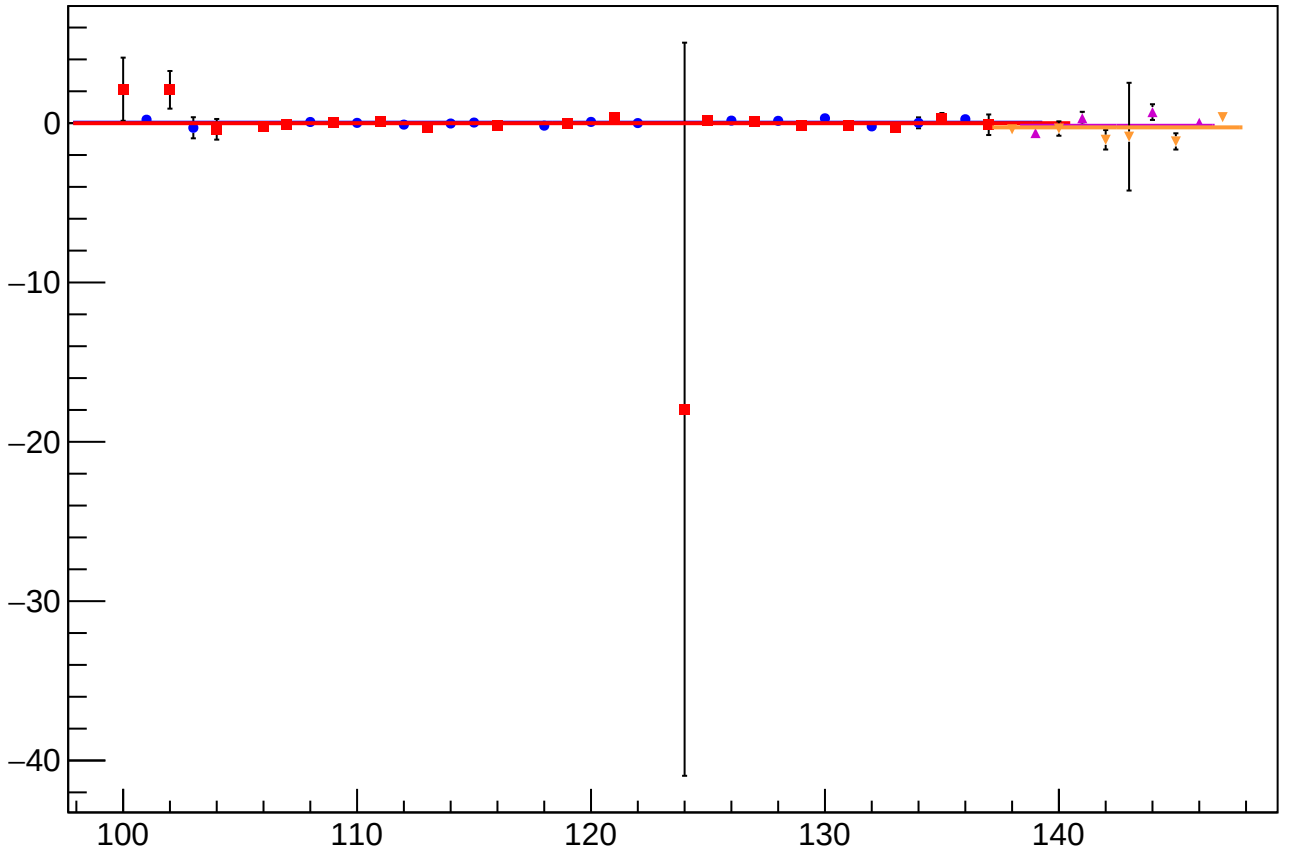
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

+ sign 123.988+/-0.031 χ^2/NDF: 6529931.4/21

All: 118.799+/-0.021 χ^2/NDF: 12083955.2/44

- sign 114.061+/-0.030 χ^2/NDF: 5500269.0/22



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

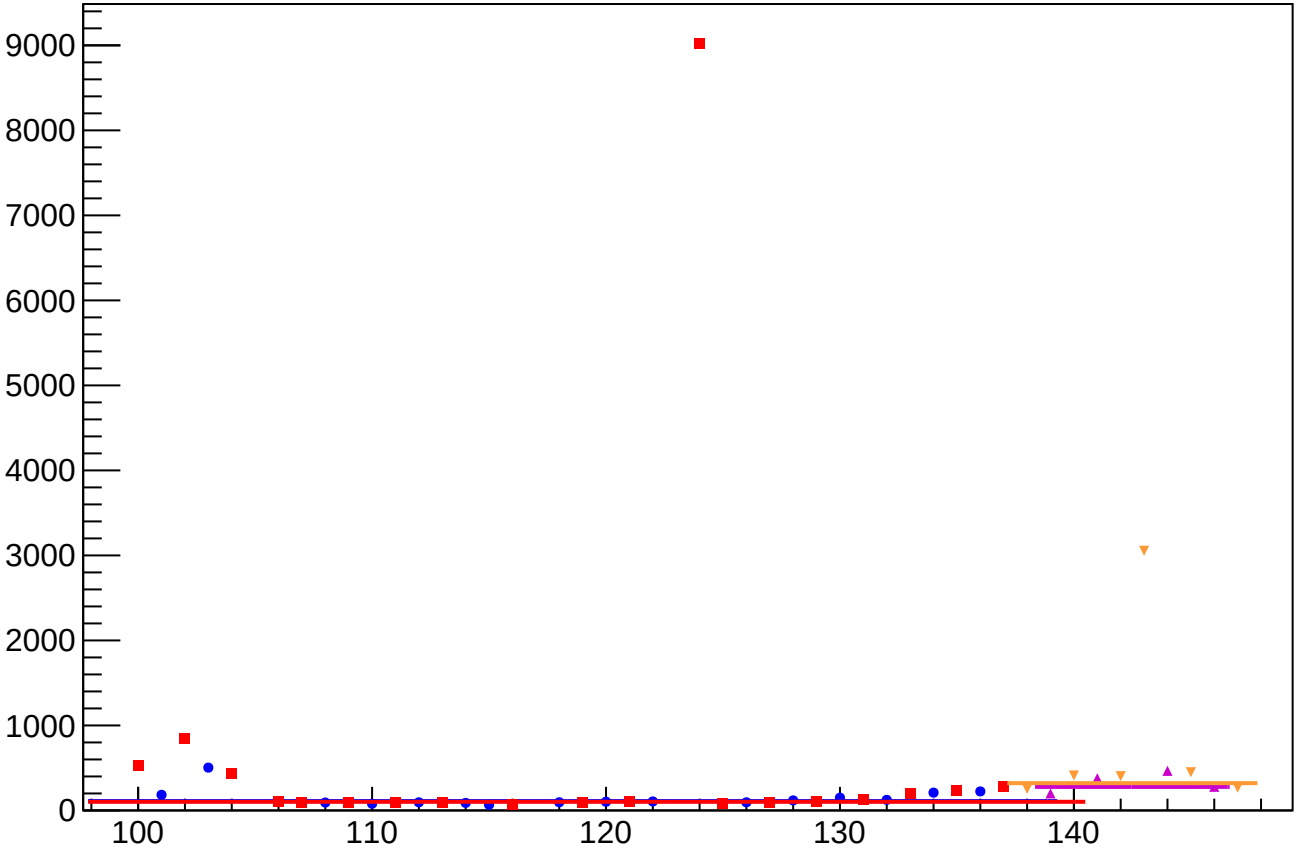
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.004+/-0.030 χ^2/NDF: 53.4/44

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 321.053+/-0.120 χ^2/NDF:1719940.4/5

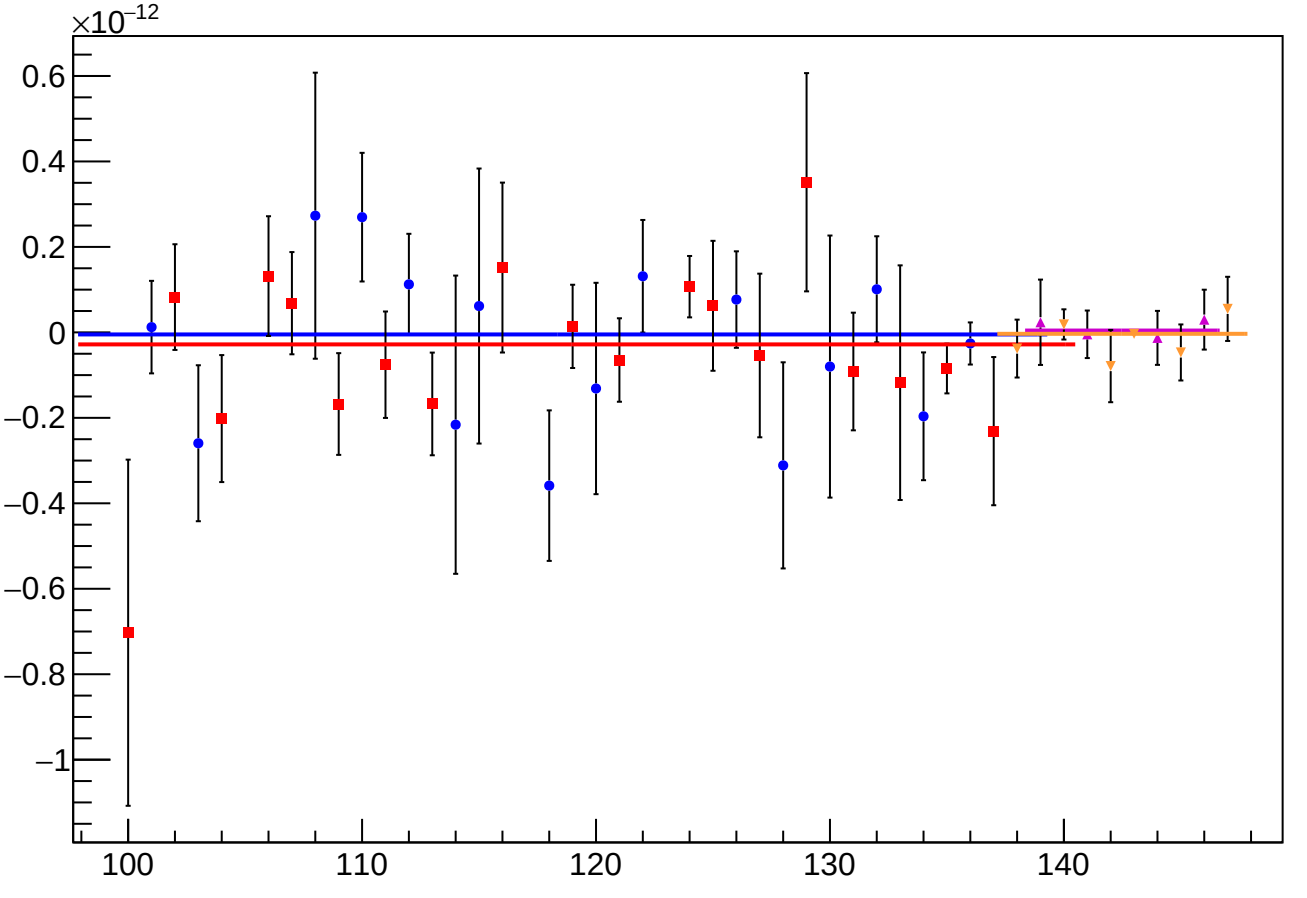
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

+ sign 123.988+/-0.031 χ^2/NDF: 6529931.4/21

All: 118.799+/-0.021 χ^2/NDF: 12083955.2/44

- sign 114.061+/-0.030 χ^2/NDF: 5500269.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

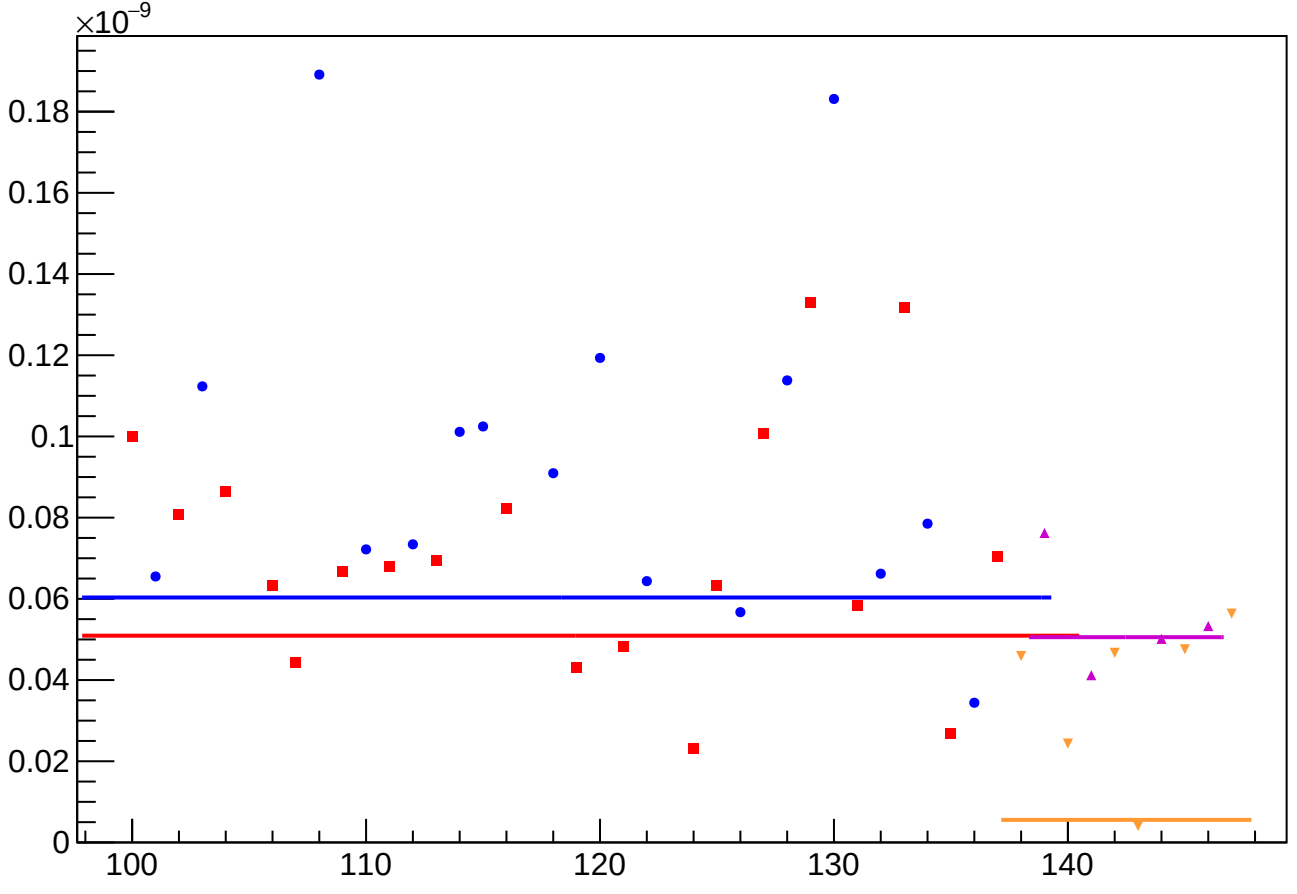
Left In: 0.000+/-0.000 χ^2/NDF:0.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/21

All: -0.000+/-0.000 χ^2/NDF: 40.8/44

- sign -0.000+/-0.000 χ^2/NDF: 20.5/22

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3631884.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

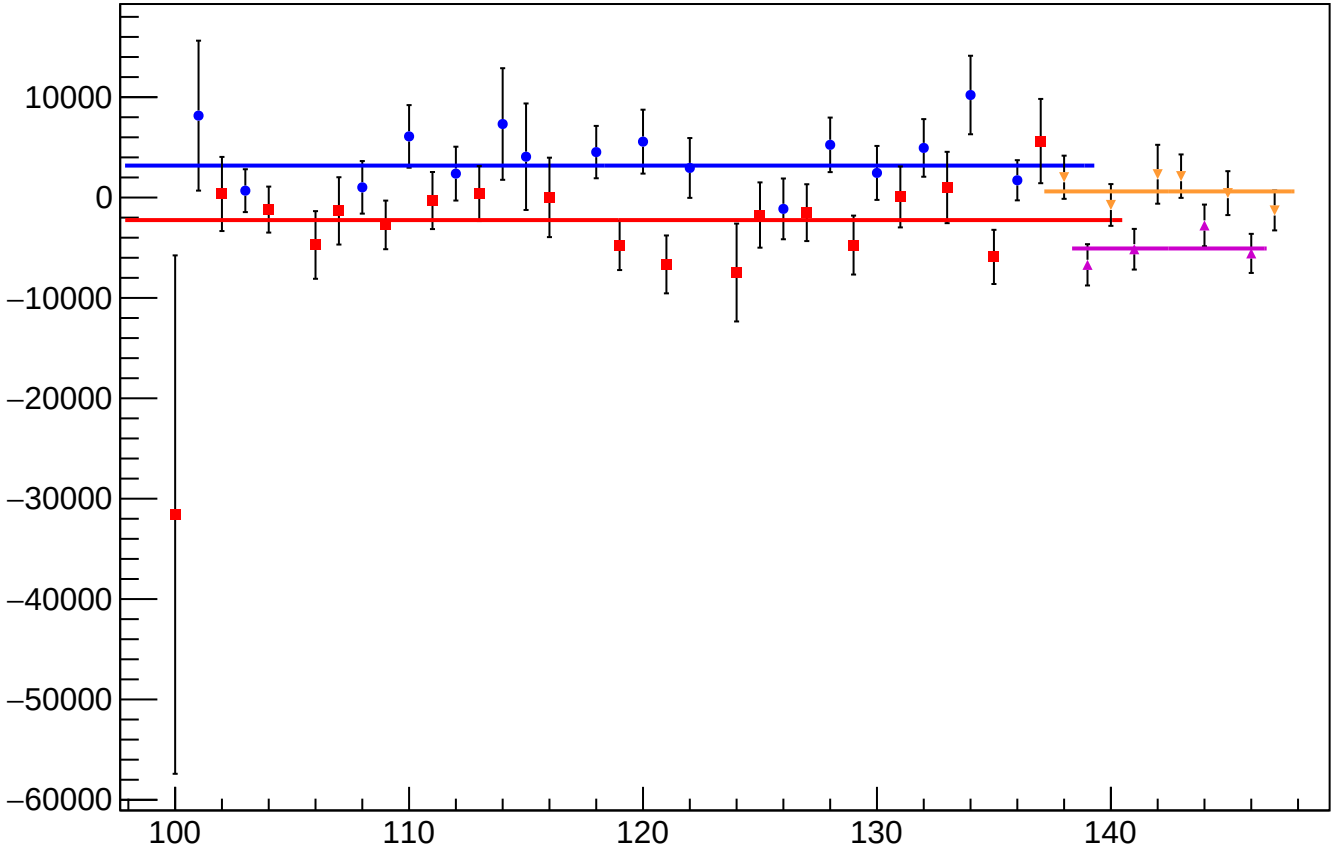
Left In: 0.000+/-0.000 χ^2/NDF:191965.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 11155602.4/21

All: 0.000+/-0.000 χ^2/NDF: 20985016.6/44

- sign 0.000+/-0.000 χ^2/NDF: 1859113.2/22

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.512+/-898.048 χ^2/NDF:2.6/5

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

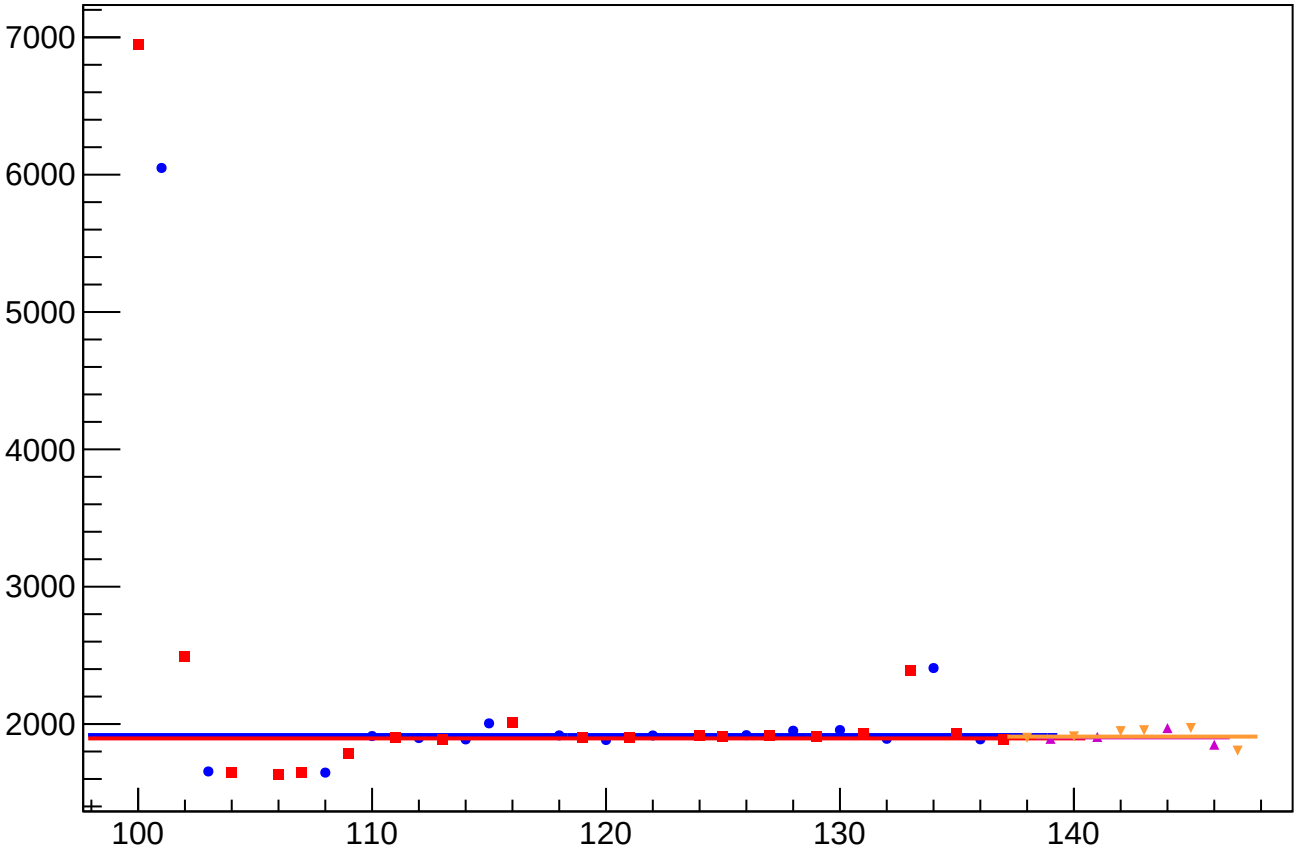
Left In: -5074.330+/-1012.551 χ^2/NDF:1.9/3

+ sign 2158.002+/-566.988 χ^2/NDF: 19.2/21

All: -442.015+/-406.066 χ^2/NDF: 86.1/44

- sign -3179.903+/-581.827 χ^2/NDF: 23.6/22

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1908.534+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

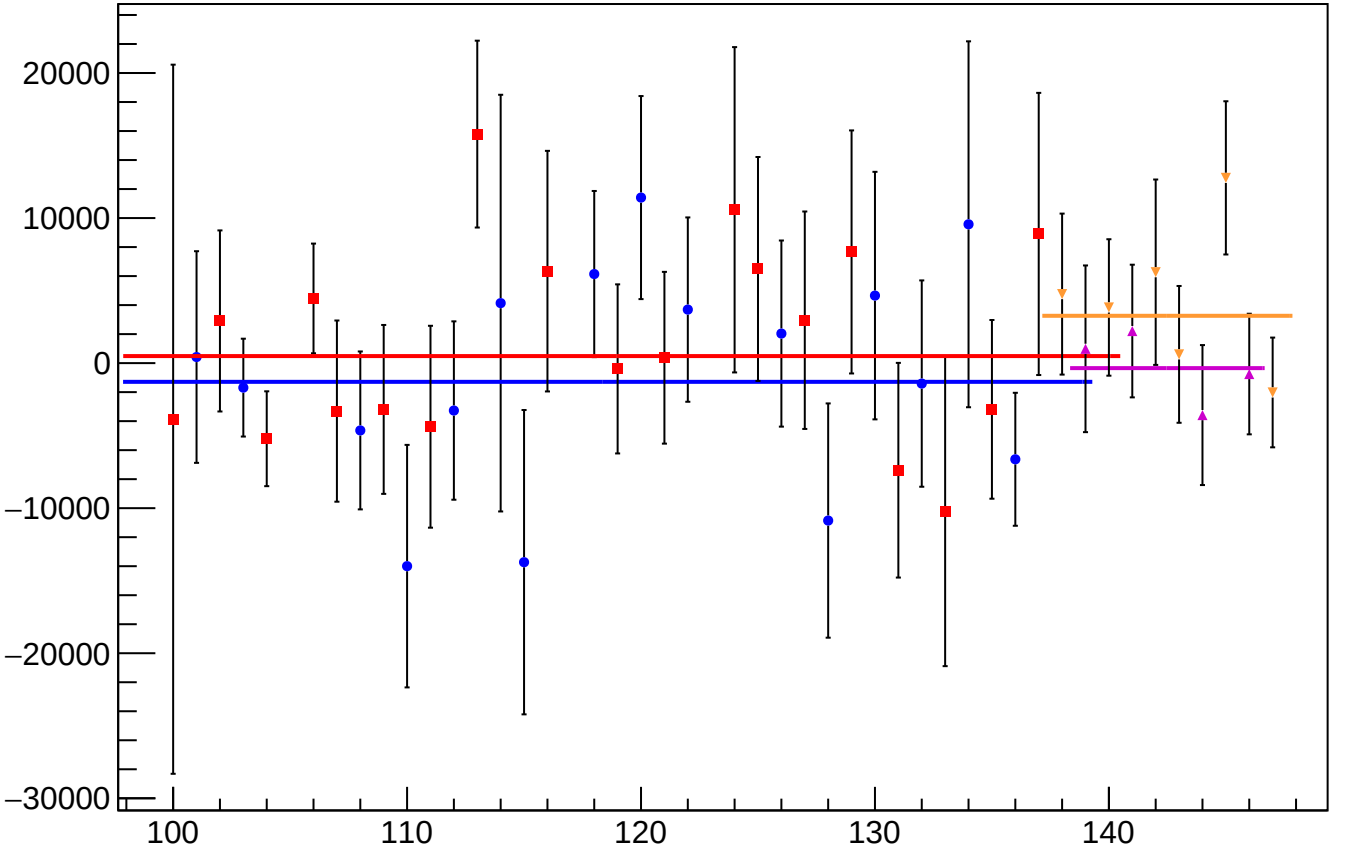
Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1915.326+/-0.401 χ^2/NDF: 705755.5/21

All: 1906.797+/-0.287 χ^2/NDF: 932714.5/44

- sign 1897.858+/-0.410 χ^2/NDF: 226032.2/22

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3262.548+/-1988.657 χ^2/NDF:5.8/5

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

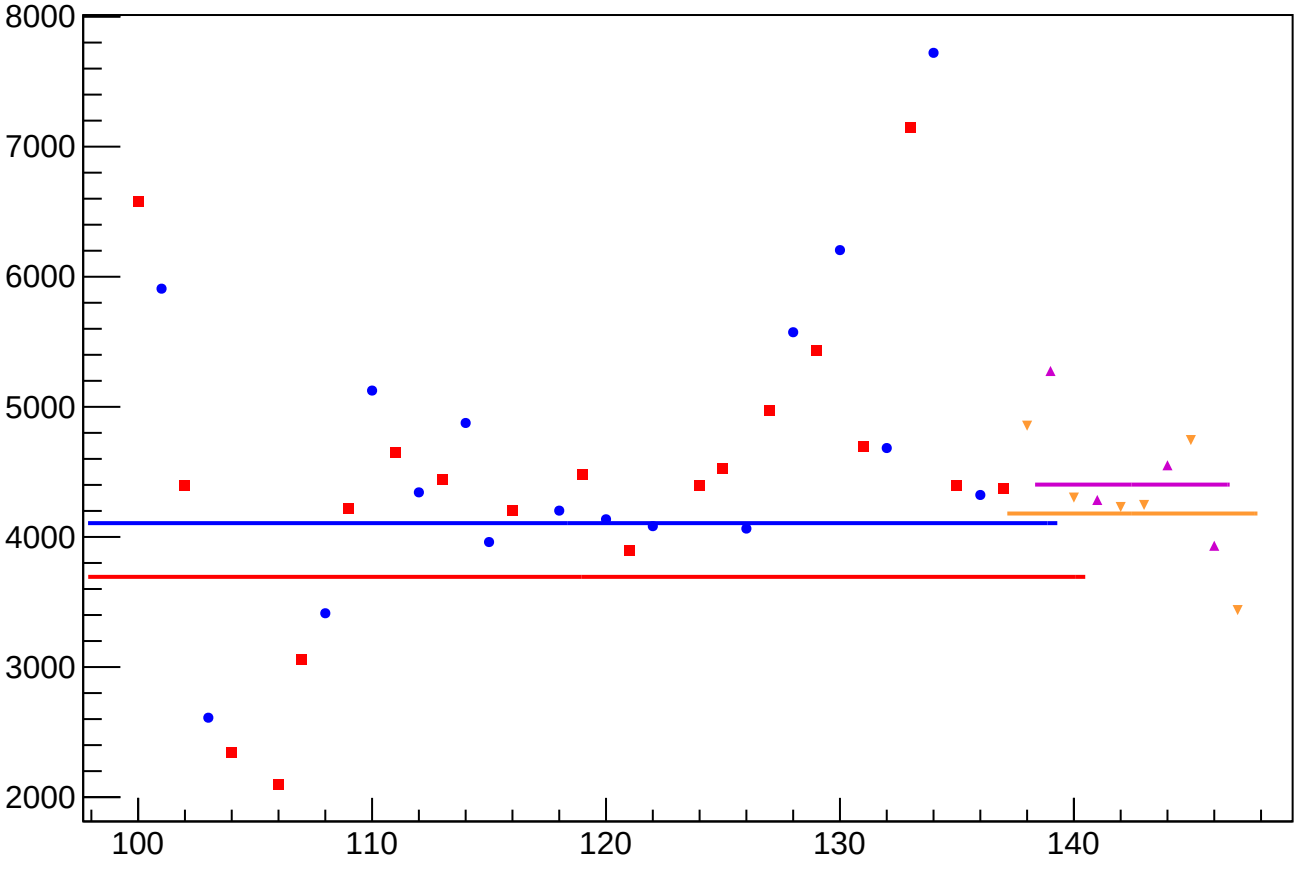
Left In: -345.188+/-2364.185 χ^2/NDF:0.8/3

+ sign 478.814+/-1239.683 χ^2/NDF: 23.3/21

All: 368.940+/-872.518 χ^2/NDF: 41.5/44

- sign 261.084+/-1228.250 χ^2/NDF: 18.2/22

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4180.094+/-1.406 χ^2/NDF:131319.9/5

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

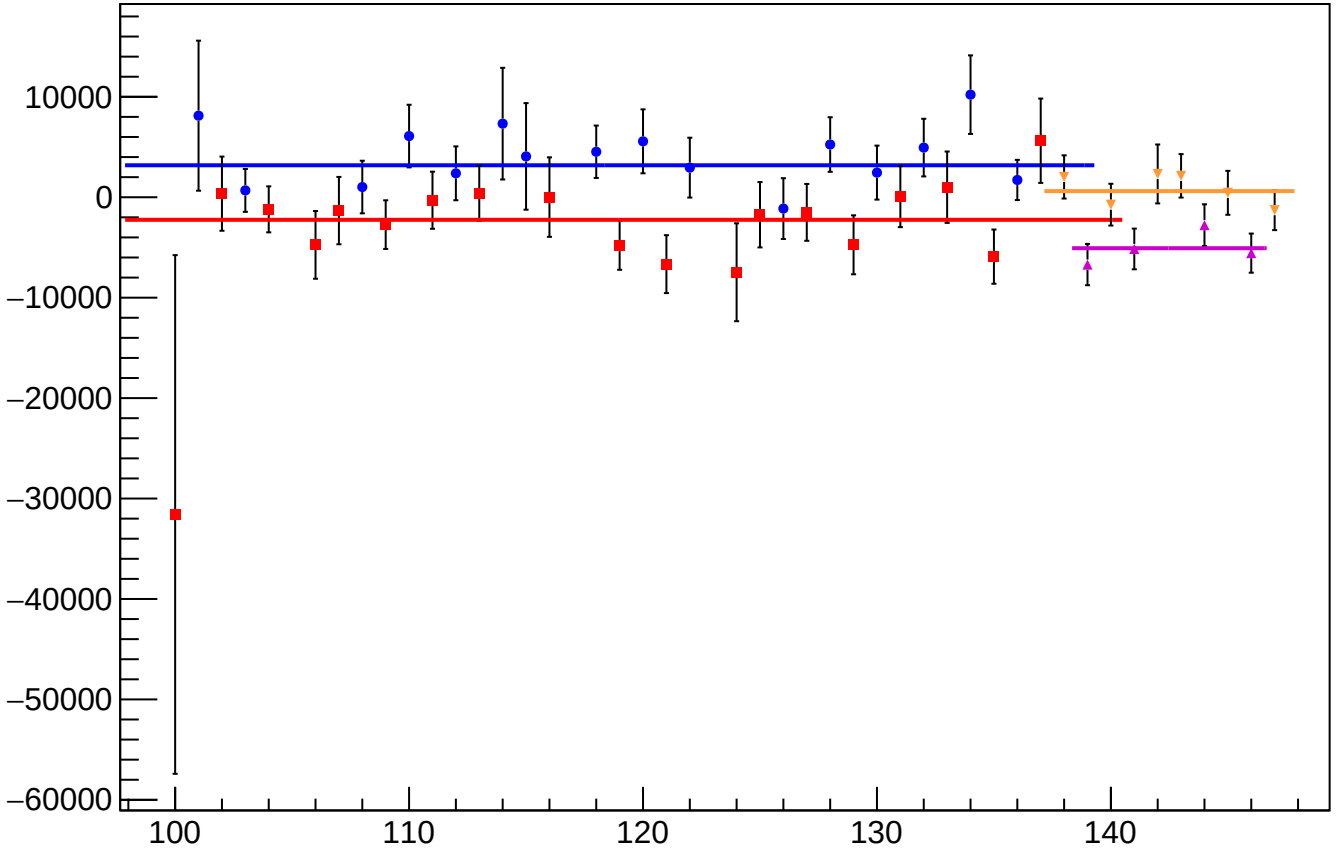
Left In: 4402.380+/-1.672 χ^2/NDF:74983.9/3

+ sign 4134.879+/-0.877 χ^2/NDF: 1089141.3/21

All: 4008.610+/-0.617 χ^2/NDF: 2693250.5/44

- sign 3884.660+/-0.869 χ^2/NDF: 1562991.6/22

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

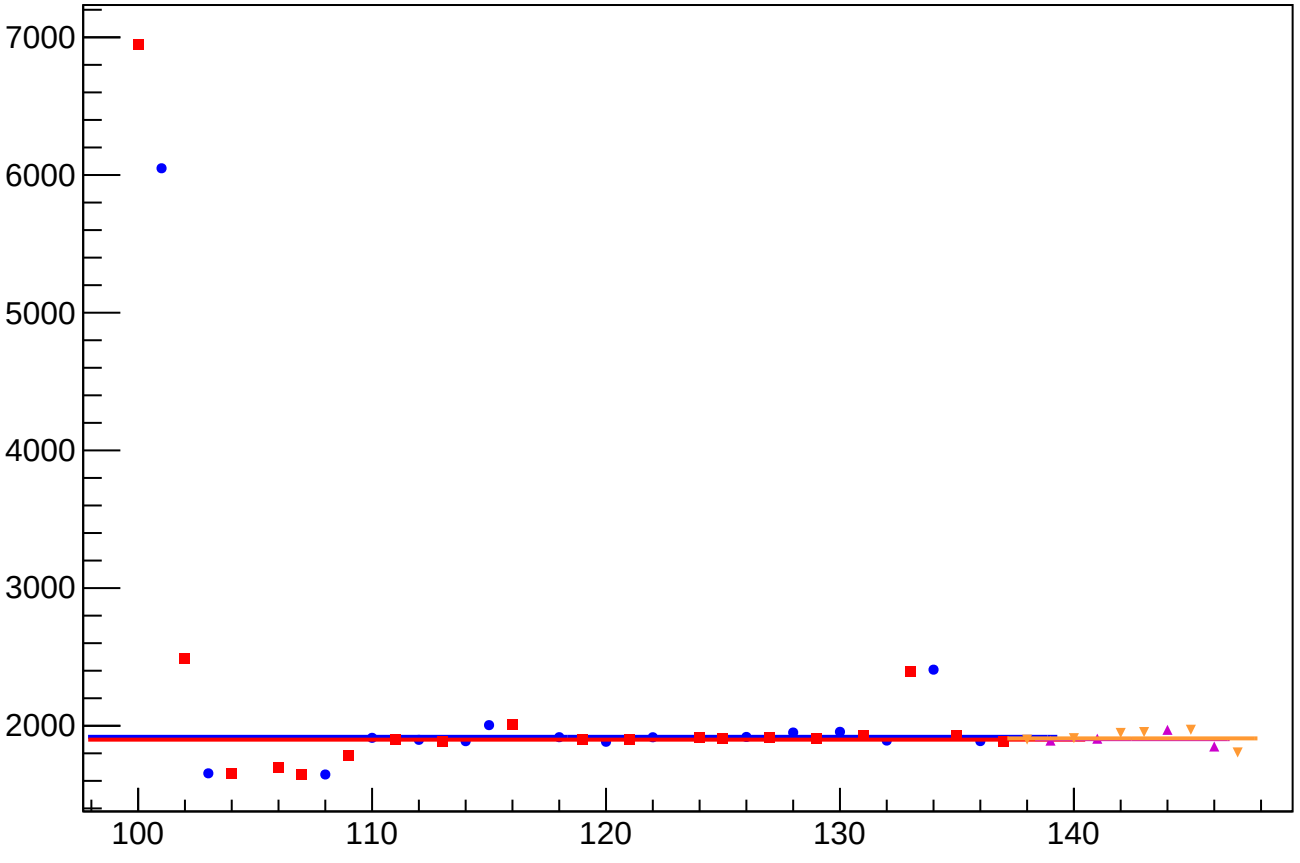
Left In: -5074.645+/-1012.551 χ^2/NDF:1.9/3

+ sign 2157.566+/-566.988 χ^2/NDF: 19.2/21

All: -442.653+/-406.067 χ^2/NDF: 86.1/44

- sign -3180.776+/-581.829 χ^2/NDF: 23.7/22

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

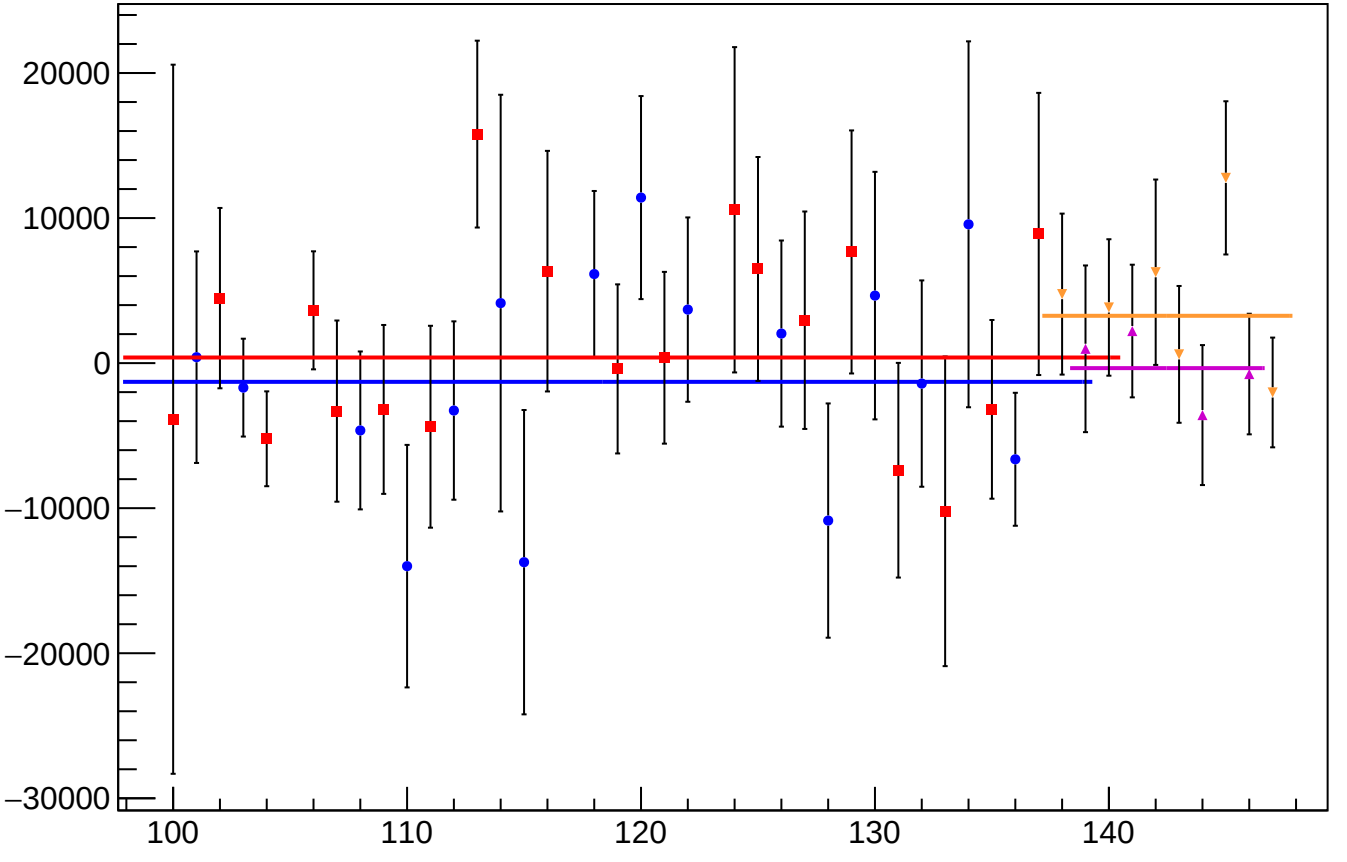
Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1915.326+/-0.401 χ^2/NDF: 705754.6/21

All: 1908.120+/-0.287 χ^2/NDF: 925770.8/44

- sign 1900.548+/-0.411 χ^2/NDF: 219353.7/22

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

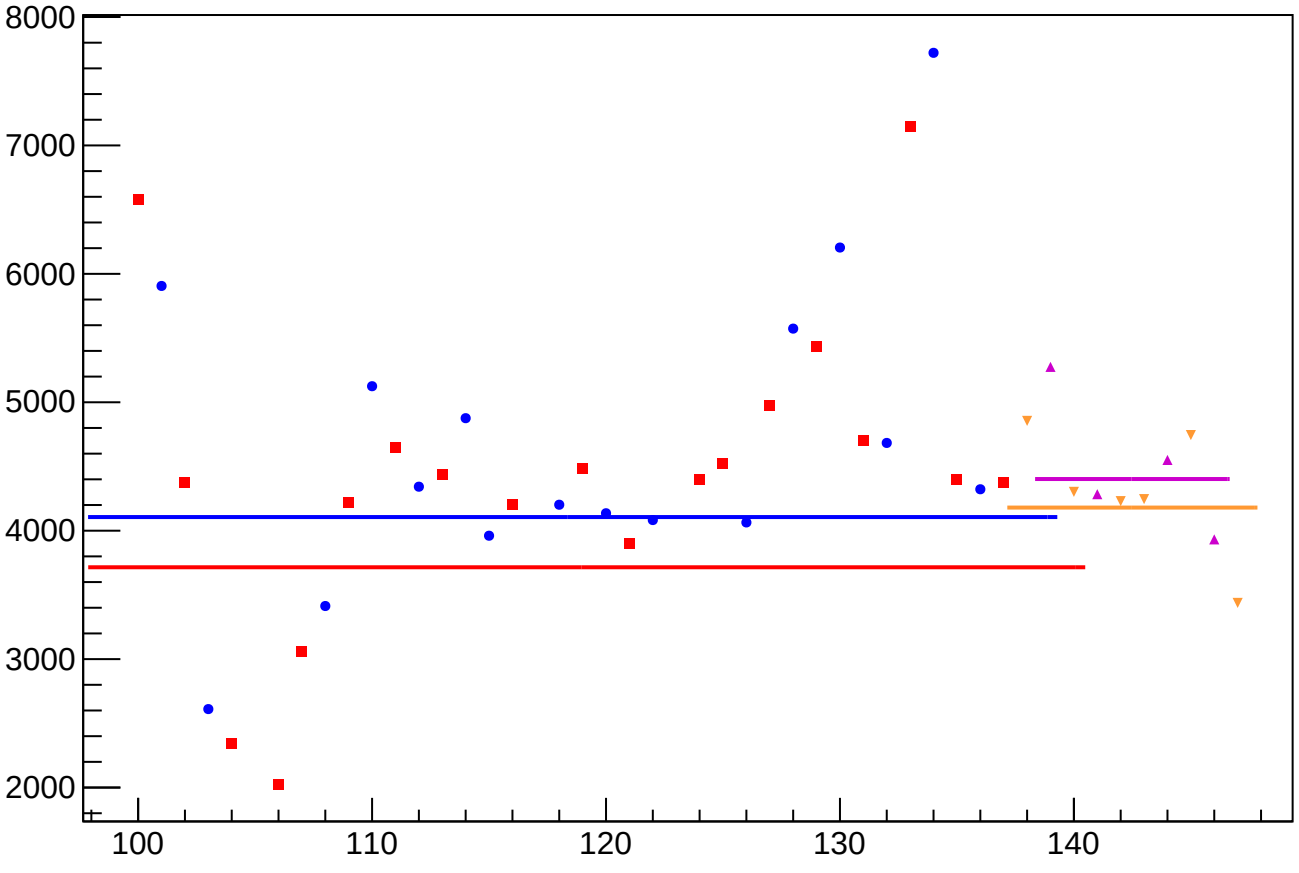
Left In: -345.233+/-2364.190 χ^2/NDF:0.8/3

+ sign 478.615+/-1239.683 χ^2/NDF: 23.3/21

All: 332.490+/-875.635 χ^2/NDF: 41.2/44

- sign 187.000+/-1236.991 χ^2/NDF: 17.9/22

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

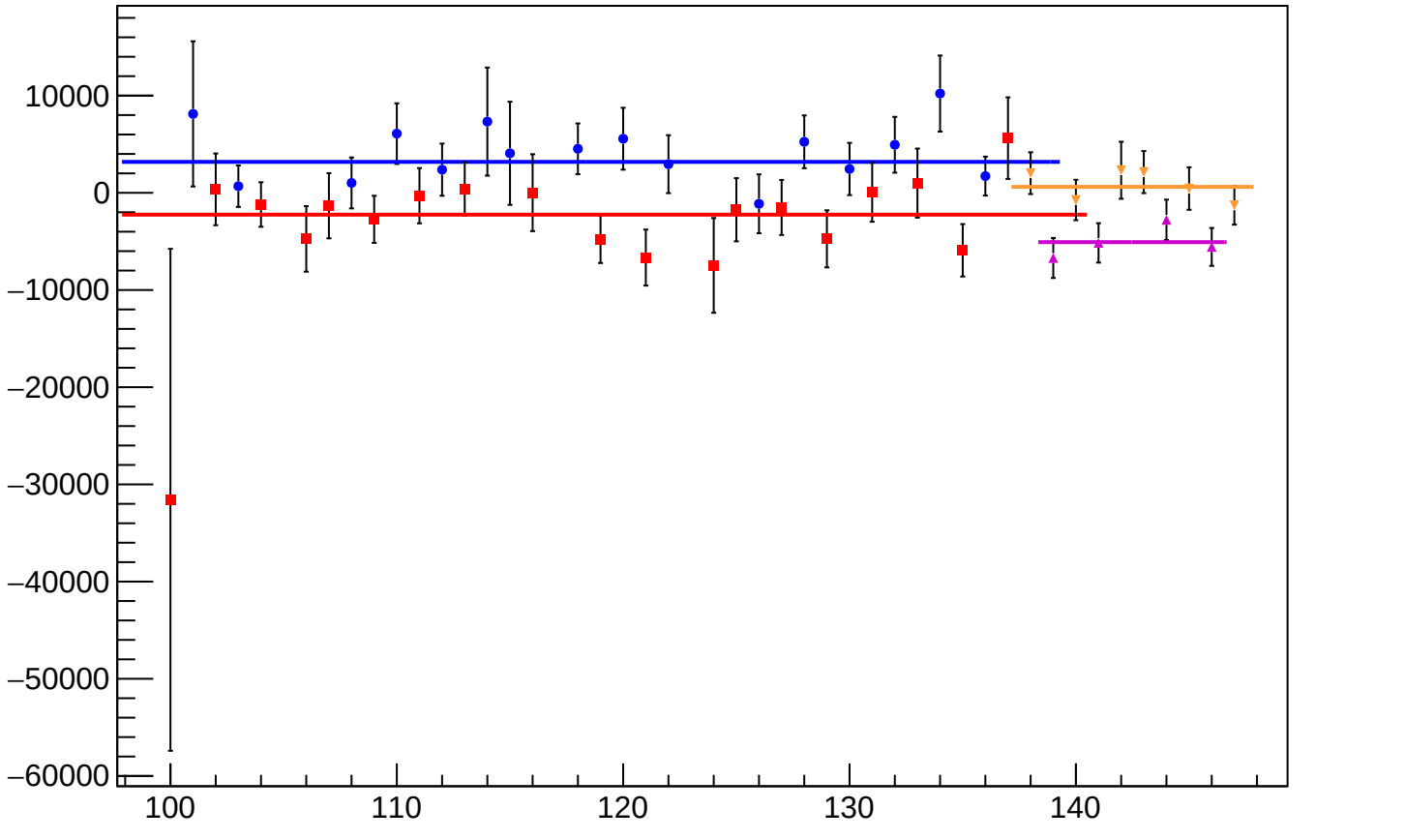
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

+ sign 4134.931+/-0.877 χ^2/NDF: 1088633.0/21

All: 4018.877+/-0.619 χ^2/NDF: 2656410.8/44

- sign 3903.326+/-0.875 χ^2/NDF: 1532797.8/22



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

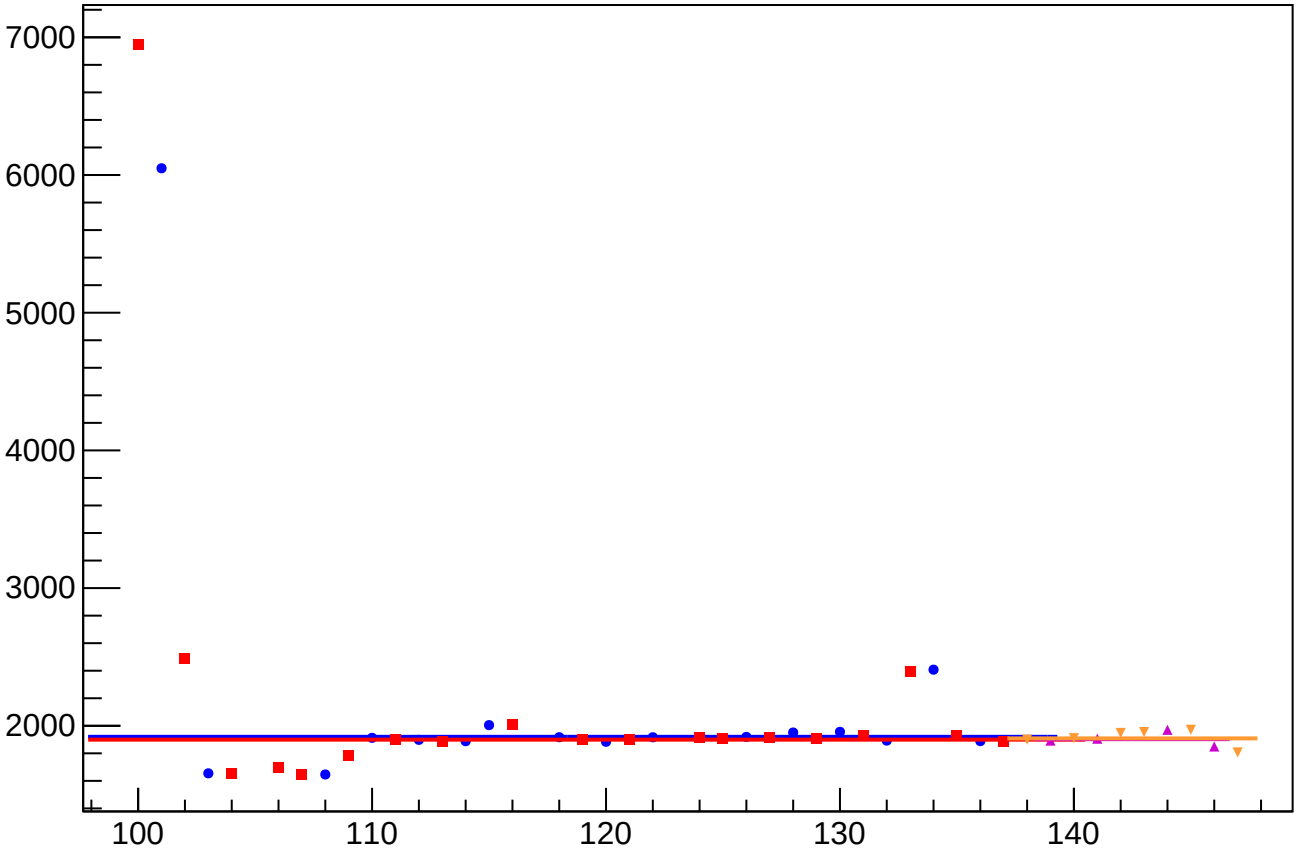
Left In: -5074.645+/-1012.551 χ^2/NDF:1.9/3

+ sign 2157.566+/-566.988 χ^2/NDF: 19.2/21

All: -442.653+/-406.067 χ^2/NDF: 86.1/44

- sign -3180.776+/-581.829 χ^2/NDF: 23.7/22

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

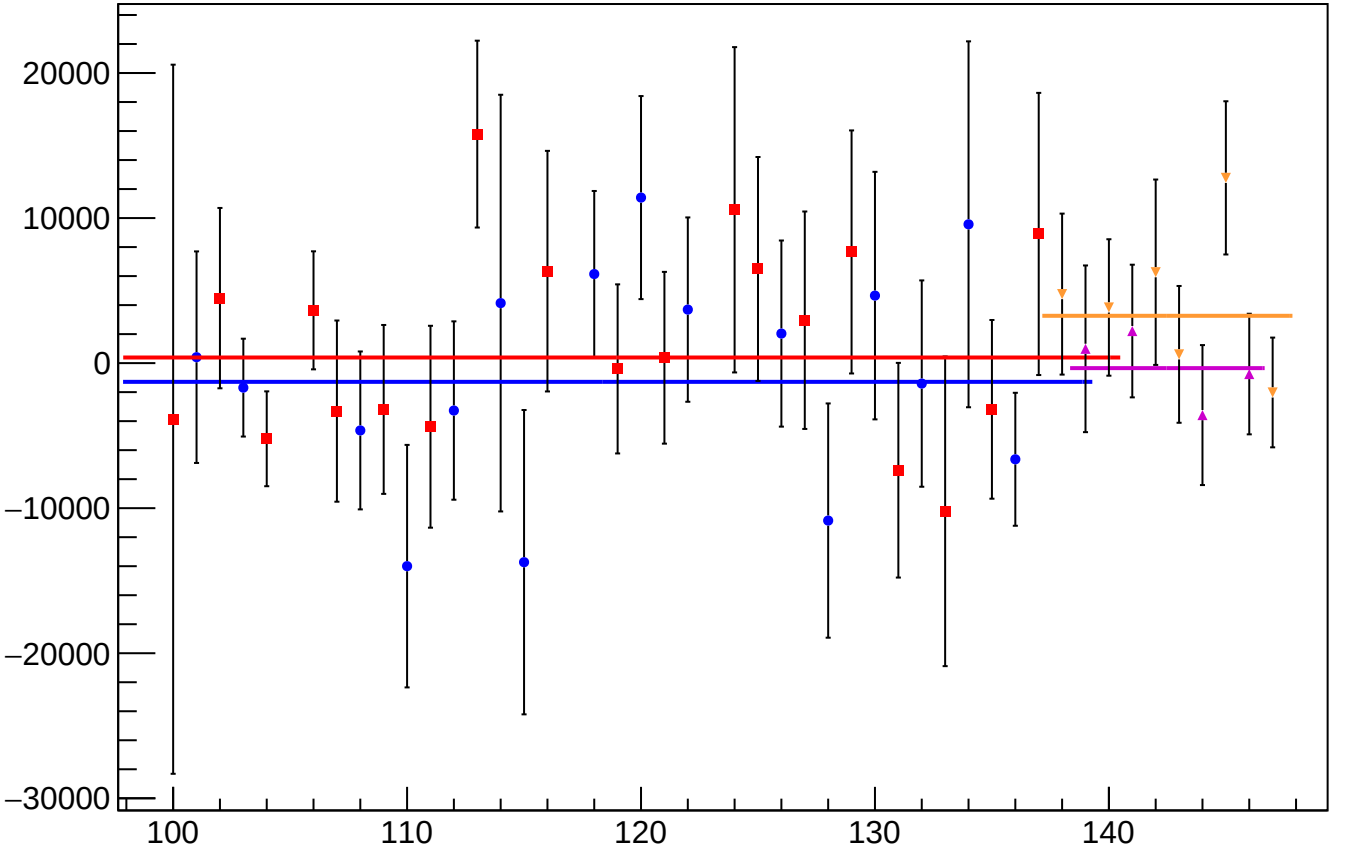
Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1915.326+/-0.401 χ^2/NDF: 705754.6/21

All: 1908.120+/-0.287 χ^2/NDF: 925770.8/44

- sign 1900.548+/-0.411 χ^2/NDF: 219353.7/22

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

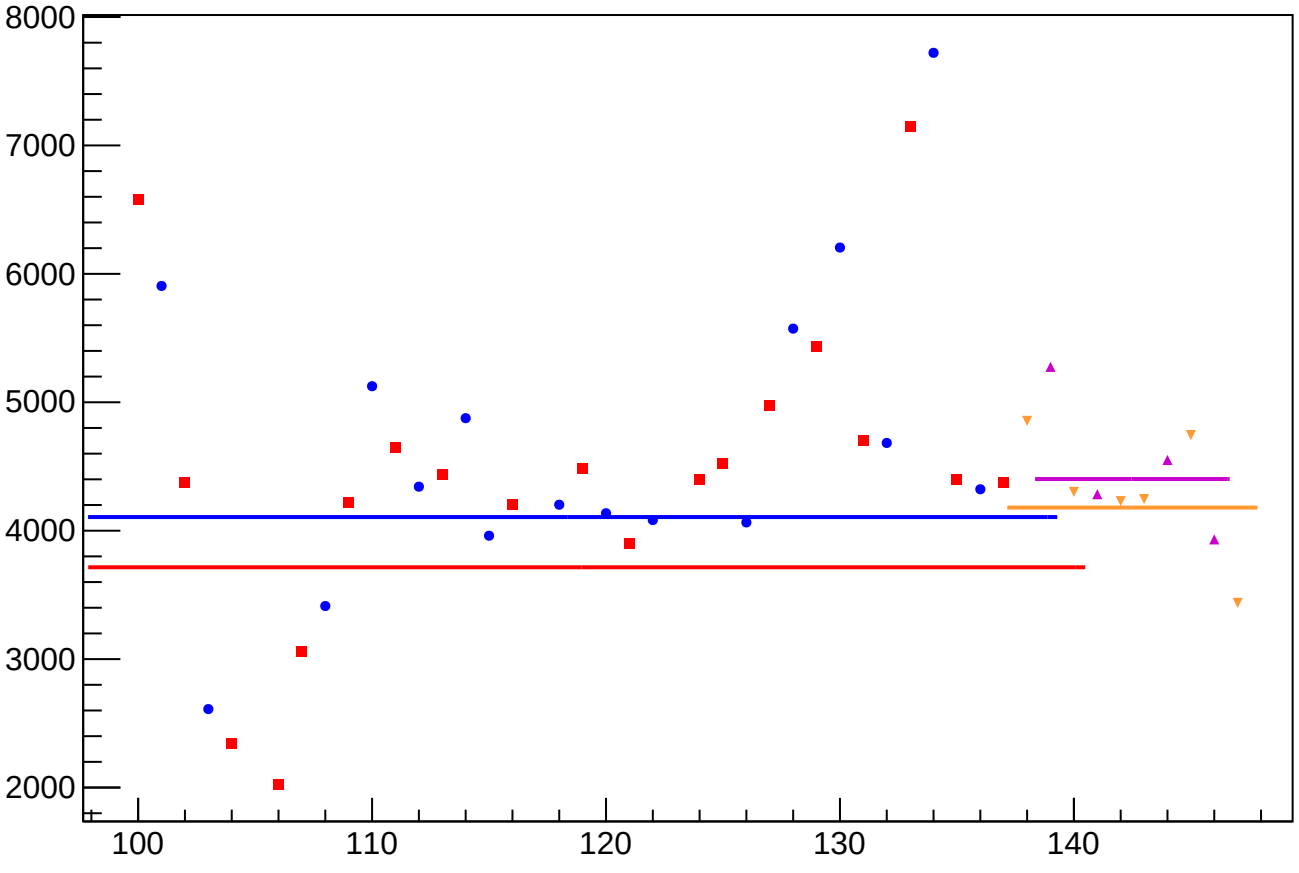
Left In: -345.233+/-2364.190 χ^2/NDF:0.8/3

+ sign 478.615+/-1239.683 χ^2/NDF: 23.3/21

All: 332.490+/-875.635 χ^2/NDF: 41.2/44

- sign 187.000+/-1236.991 χ^2/NDF: 17.9/22

asym_atr_avg_eigen_cor_correction_rms vs Slug



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Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

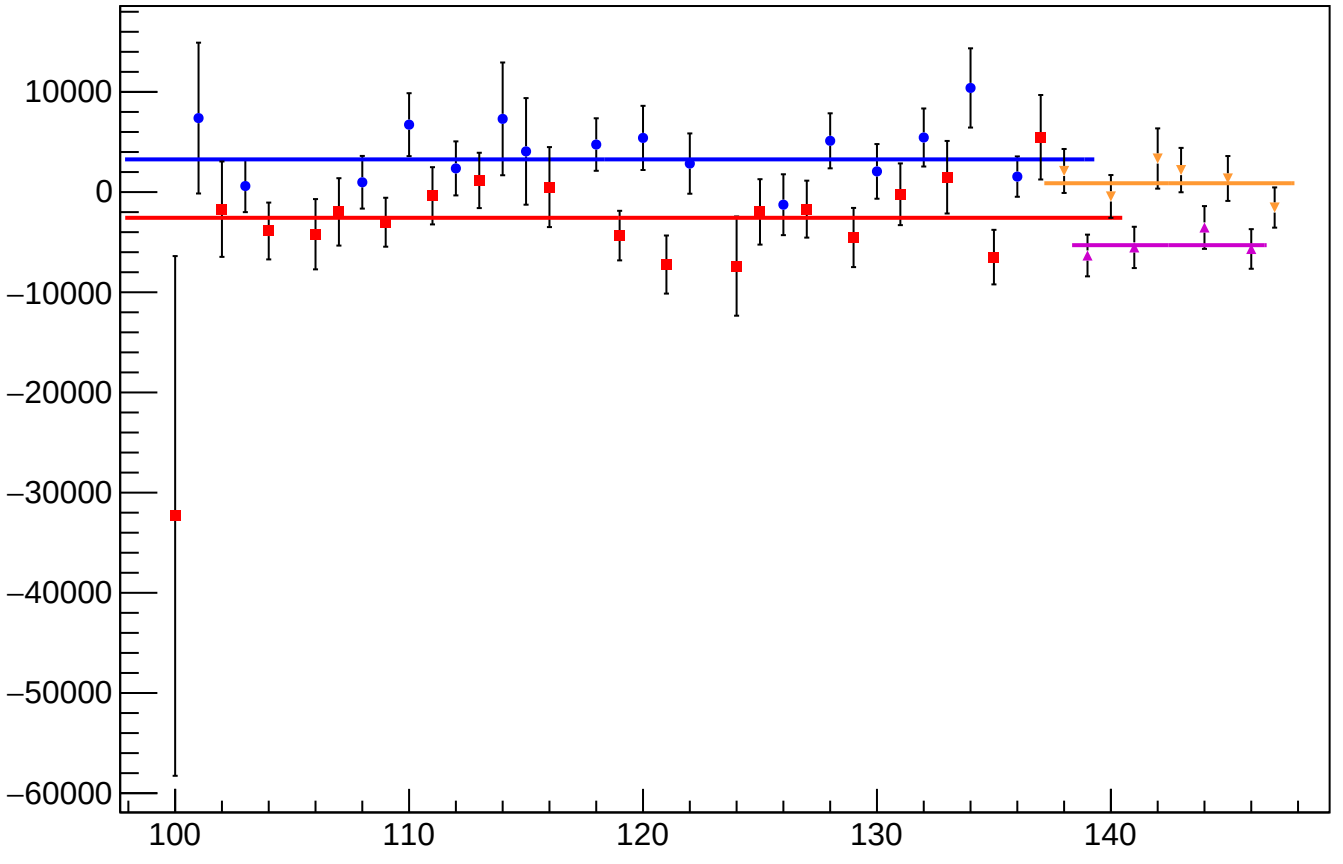
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

+ sign 4134.931+/-0.877 χ^2/NDF: 1088633.0/21

All: 4018.877+/-0.619 χ^2/NDF: 2656410.8/44

- sign 3903.326+/-0.875 χ^2/NDF: 1532797.8/22



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.512+/-917.341 χ^2/NDF:3.2/5

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

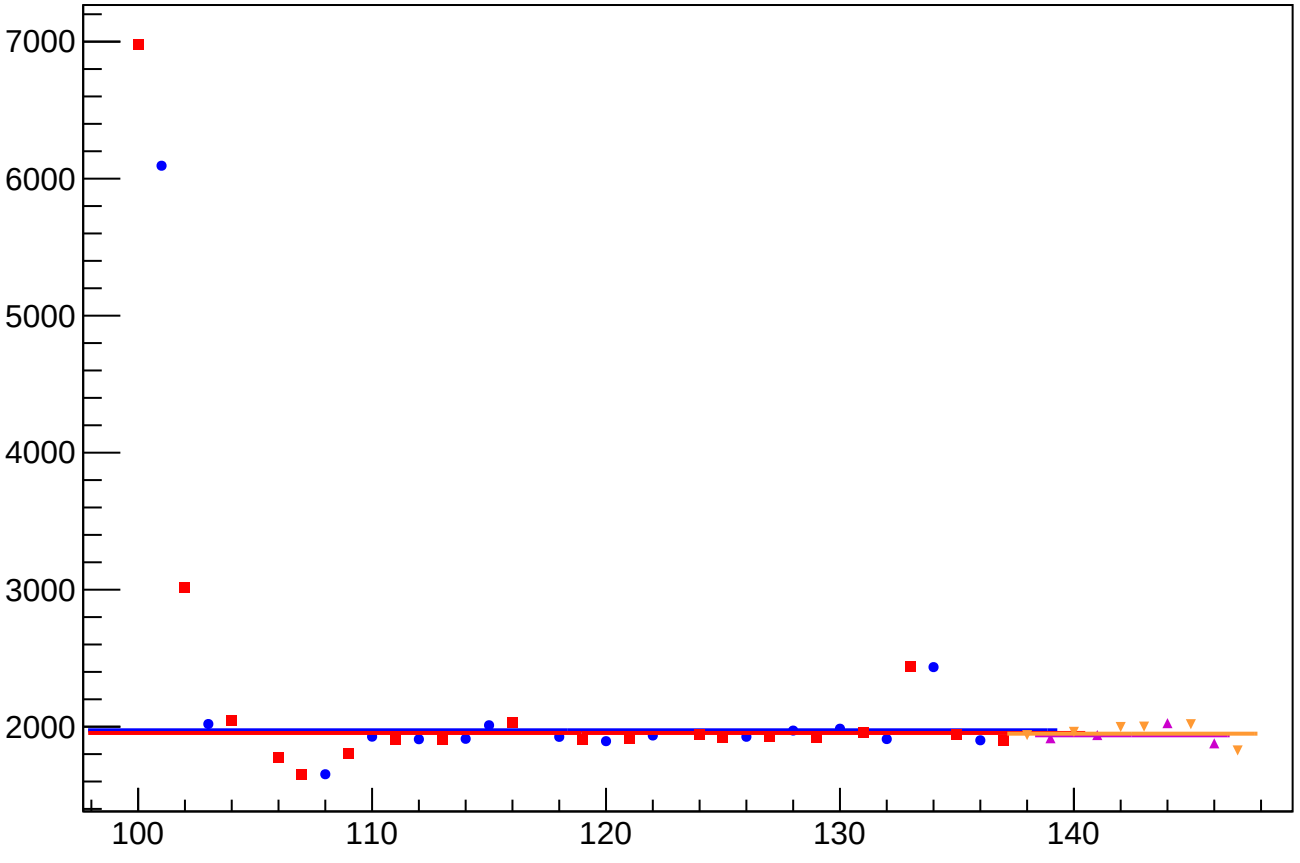
Left In: -5298.446+/-1030.963 χ^2/NDF:1.0/3

+ sign 2309.353+/-581.040 χ^2/NDF: 19.4/21

All: -503.490+/-416.863 χ^2/NDF: 90.4/44

- sign -3487.041+/-598.412 χ^2/NDF: 22.7/22

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

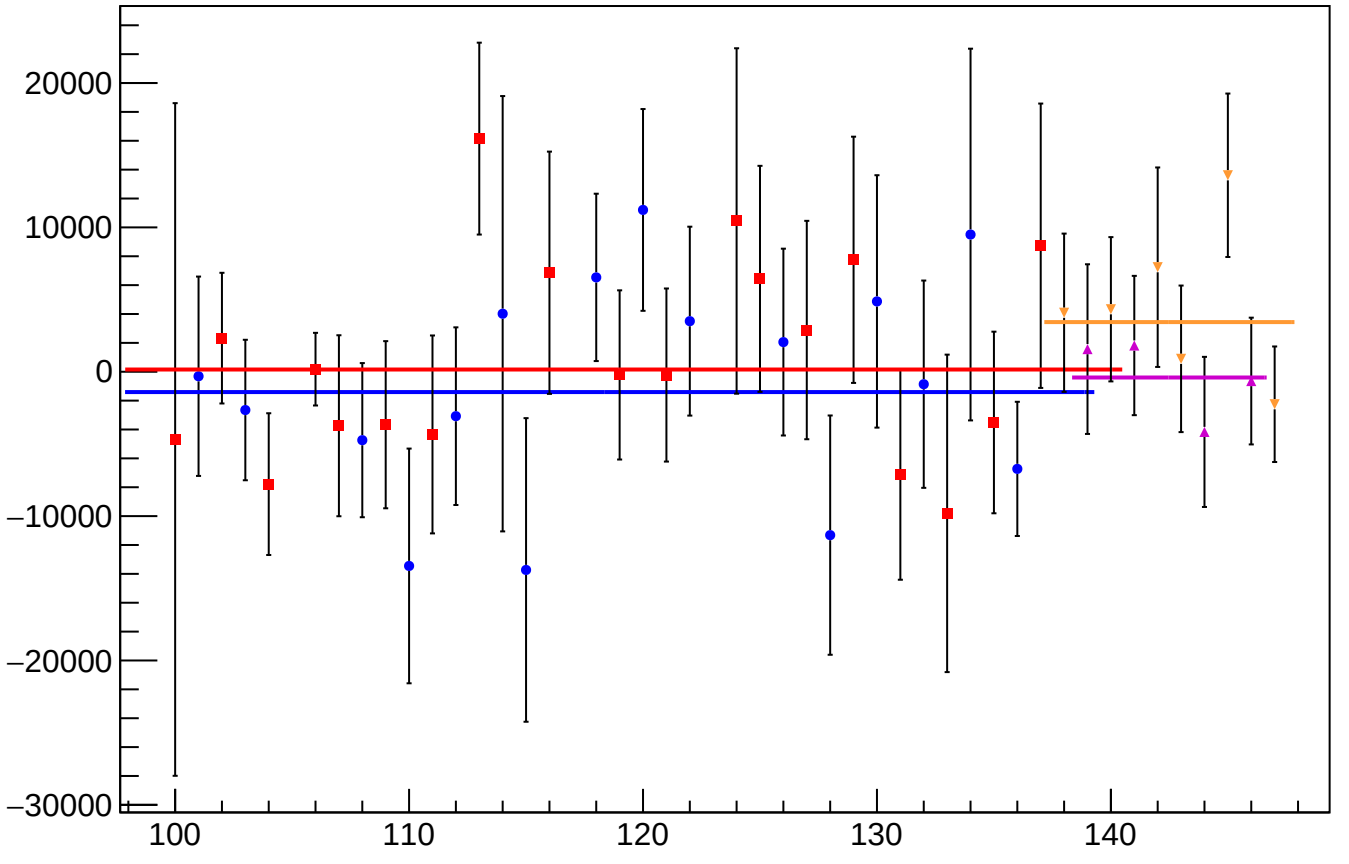
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

+ sign 1963.875+/-0.411 χ^2/NDF: 677042.0/21

All: 1956.450+/-0.295 χ^2/NDF: 929713.8/44

- sign 1948.583+/-0.423 χ^2/NDF: 251999.2/22



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 3440.158+/-2100.140 χ^2/NDF:5.8/5

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

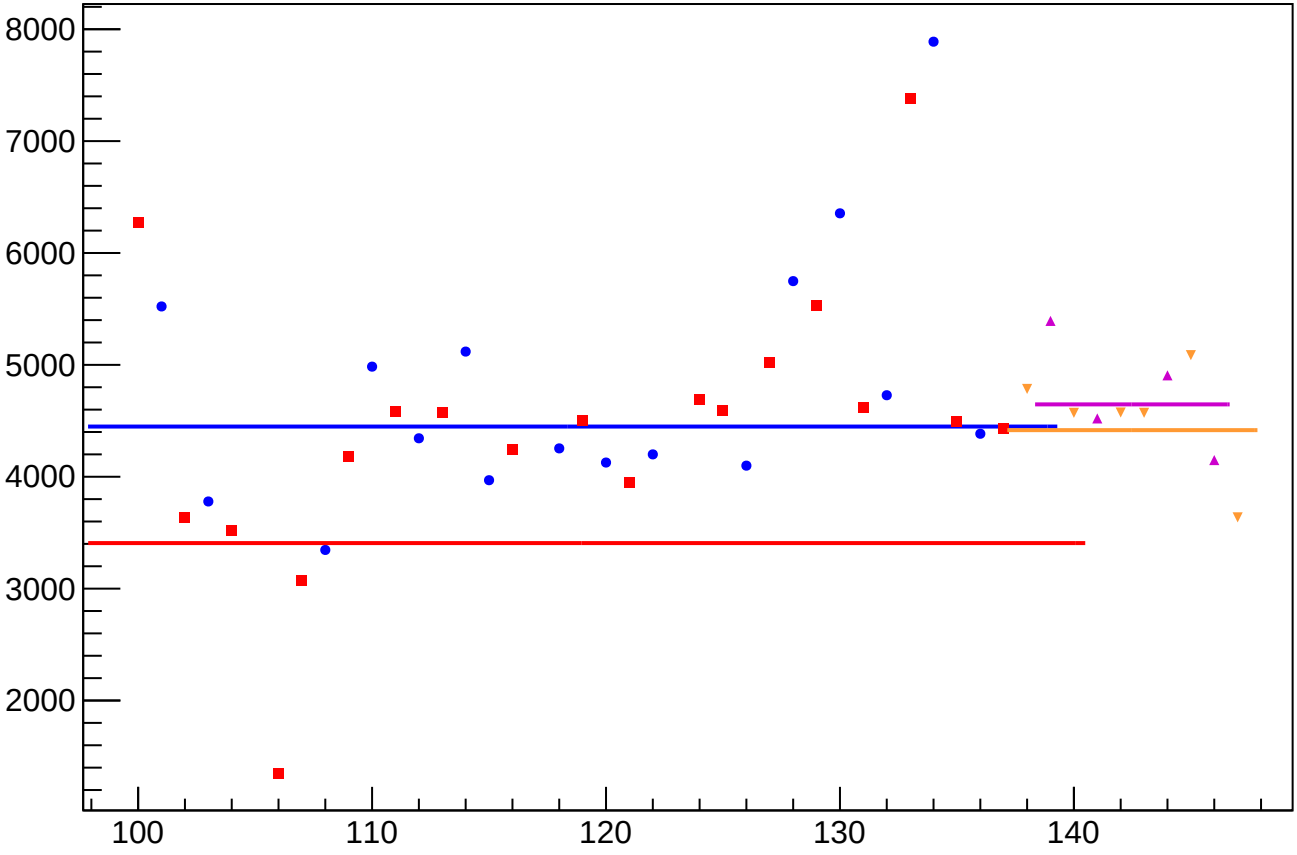
Left In: -398.437+/-2493.895 χ^2/NDF:0.9/3

+ sign 497.881+/-1316.633 χ^2/NDF: 23.3/21

All: 240.428+/-885.470 χ^2/NDF: 40.1/44

- sign 27.826+/-1196.462 χ^2/NDF: 16.7/22

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4416.584+/-1.485 χ^2/NDF:117782.3/5

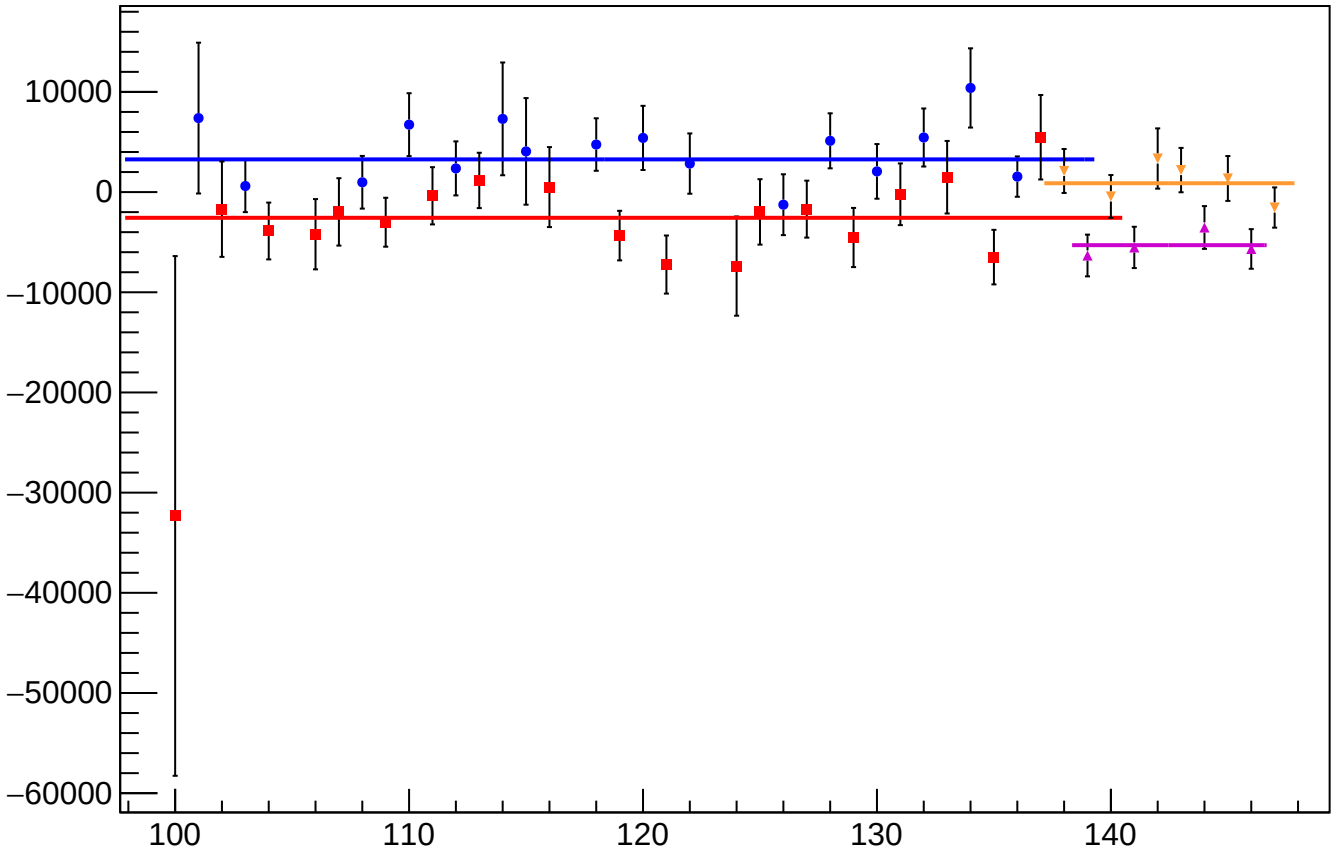
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4646.859+/-1.763 χ^2/NDF:64280.4/3

+ sign 4436.084+/-0.931 χ^2/NDF: 612679.9/21

All: 4028.801+/-0.626 χ^2/NDF: 3732911.5/44

- sign 3692.472+/-0.846 χ^2/NDF: 2770815.7/22



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.515+/-917.341 χ^2/NDF:3.2/5

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

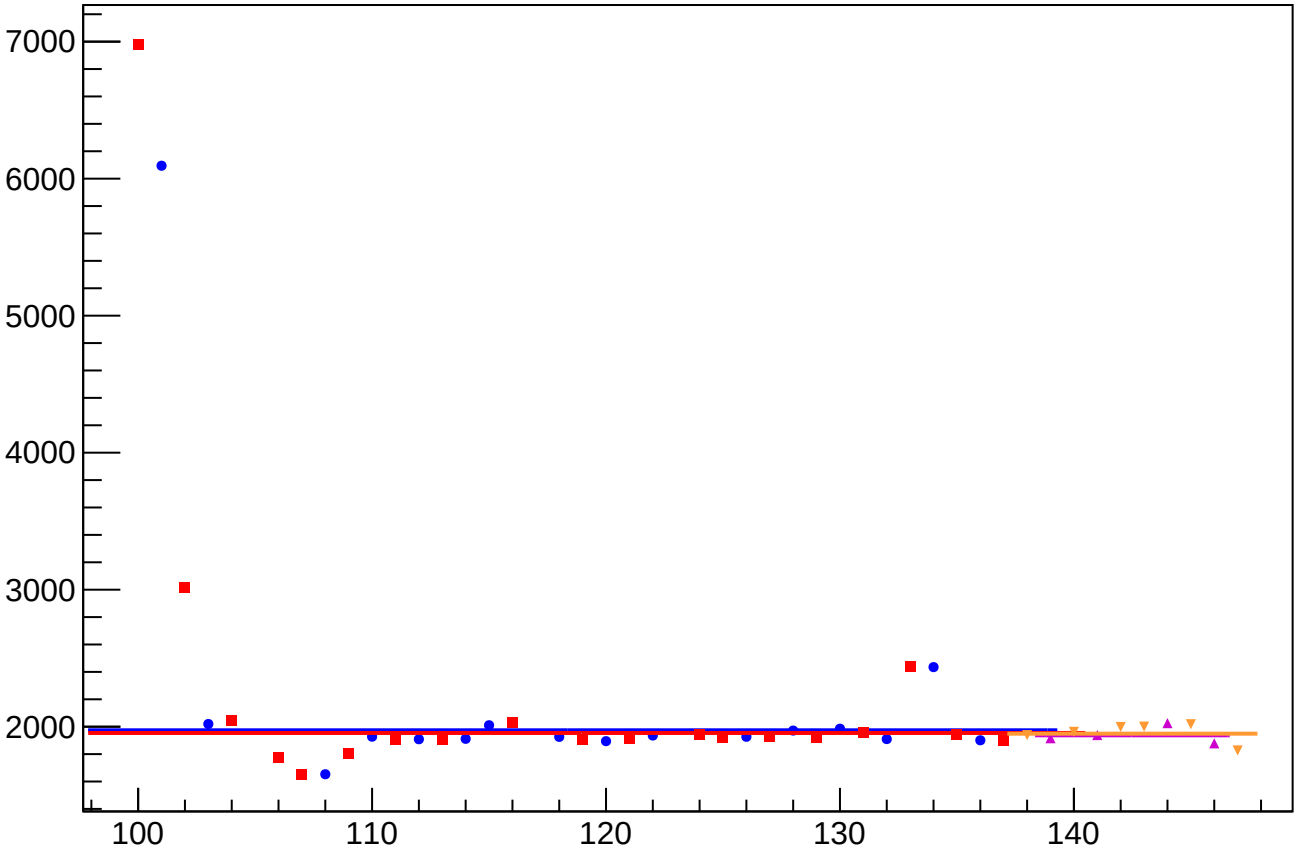
Left In: -5298.438+/-1030.964 χ^2/NDF:1.0/3

+ sign 2309.357+/-581.040 χ^2/NDF: 19.4/21

All: -503.488+/-416.864 χ^2/NDF: 90.4/44

- sign -3487.041+/-598.412 χ^2/NDF: 22.7/22

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

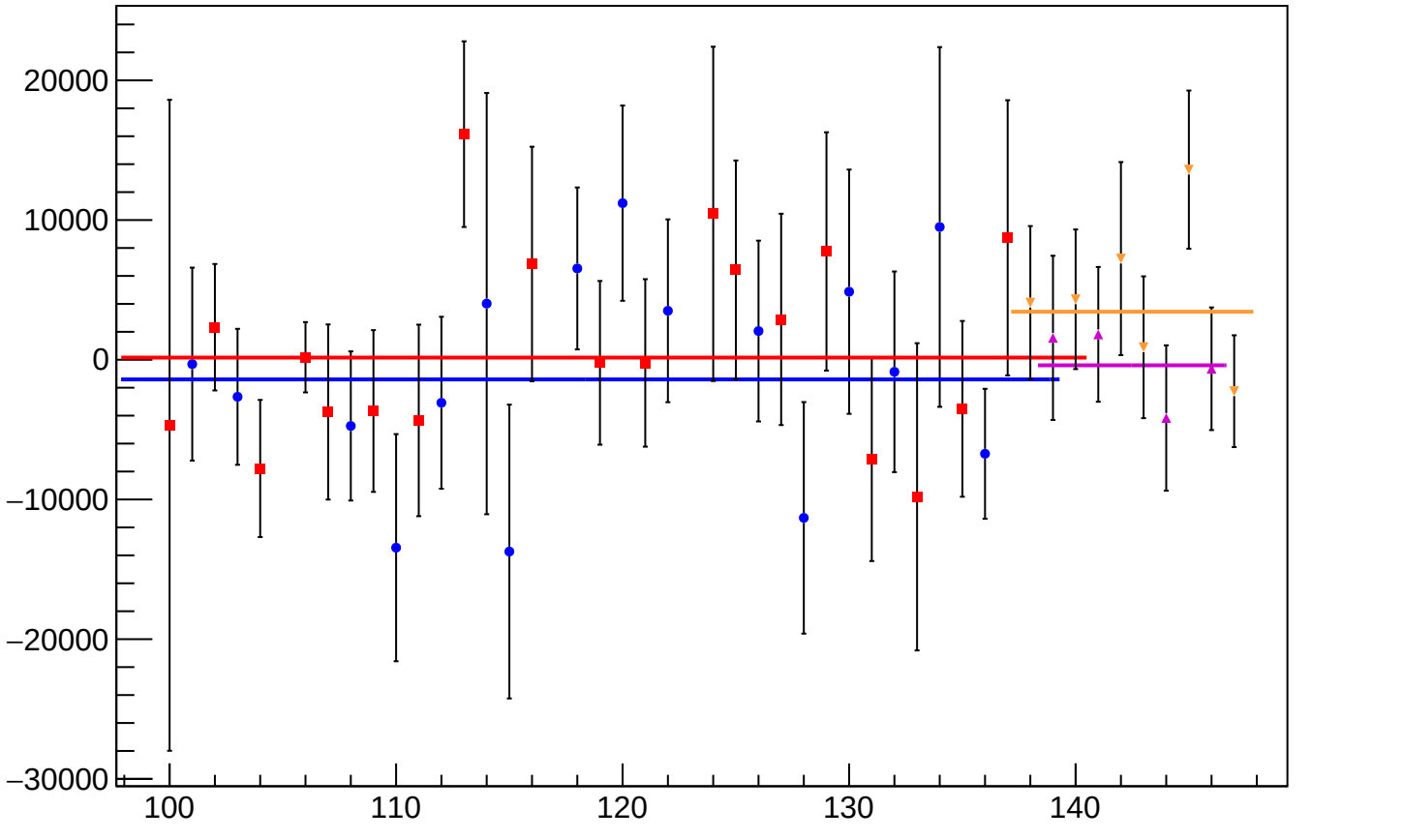
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

+ sign 1963.875+/-0.411 χ^2/NDF: 677042.0/21

All: 1956.450+/-0.295 χ^2/NDF: 929713.3/44

- sign 1948.583+/-0.423 χ^2/NDF: 251998.7/22



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 3440.160+/-2100.143 χ^2/NDF:5.8/5

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

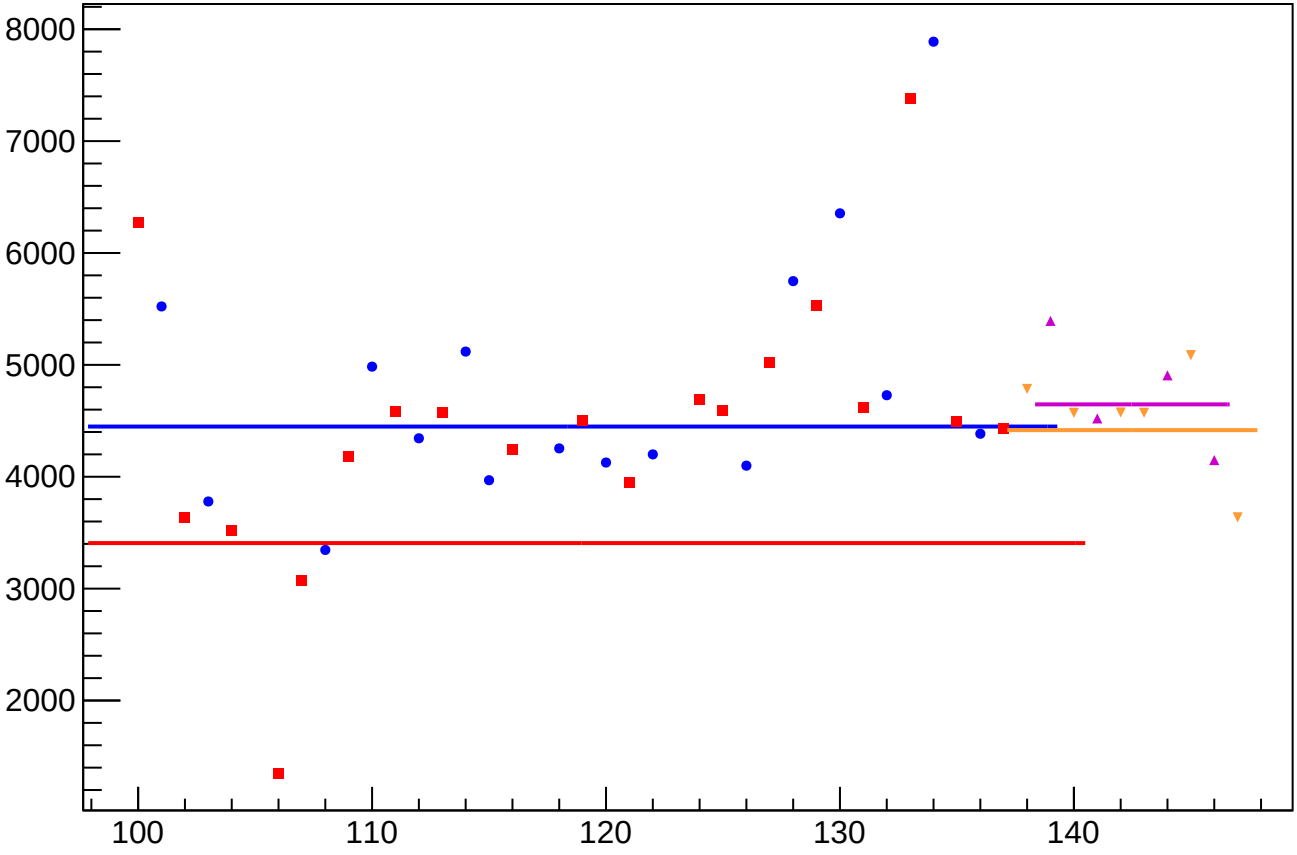
Left In: -398.426+/-2493.898 χ^2/NDF:0.9/3

+ sign 497.886+/-1316.633 χ^2/NDF: 23.3/21

All: 240.432+/-885.469 χ^2/NDF: 40.1/44

- sign 27.830+/-1196.460 χ^2/NDF: 16.7/22

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4416.591+/-1.485 χ^2/NDF:117782.3/5

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

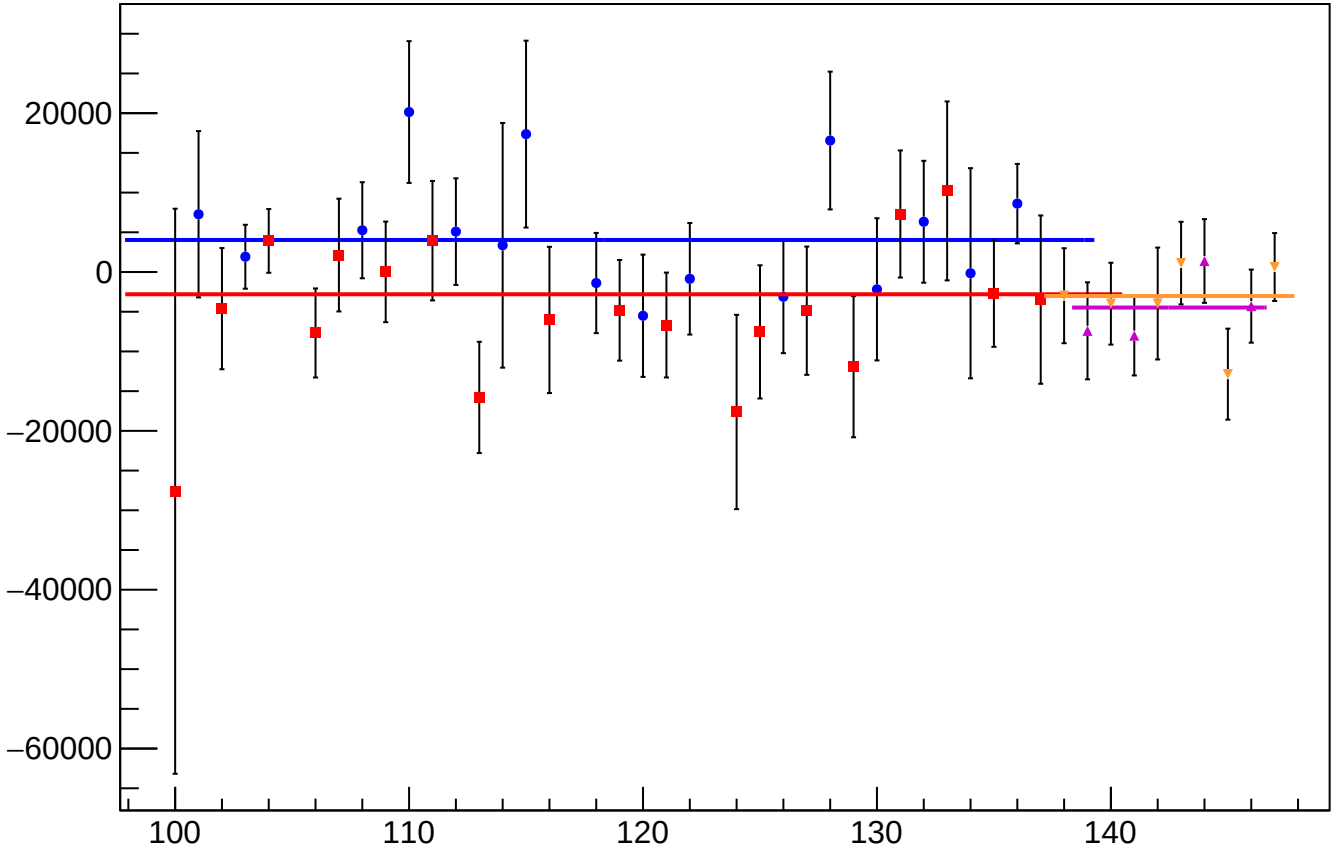
Left In: 4646.865+/-1.763 χ^2/NDF:64280.4/3

+ sign 4436.082+/-0.931 χ^2/NDF: 612676.7/21

All: 4028.796+/-0.626 χ^2/NDF: 3732925.3/44

- sign 3692.466+/-0.846 χ^2/NDF: 2770827.7/22

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -3024.484+/-2192.864 χ^2/NDF:4.4/5

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

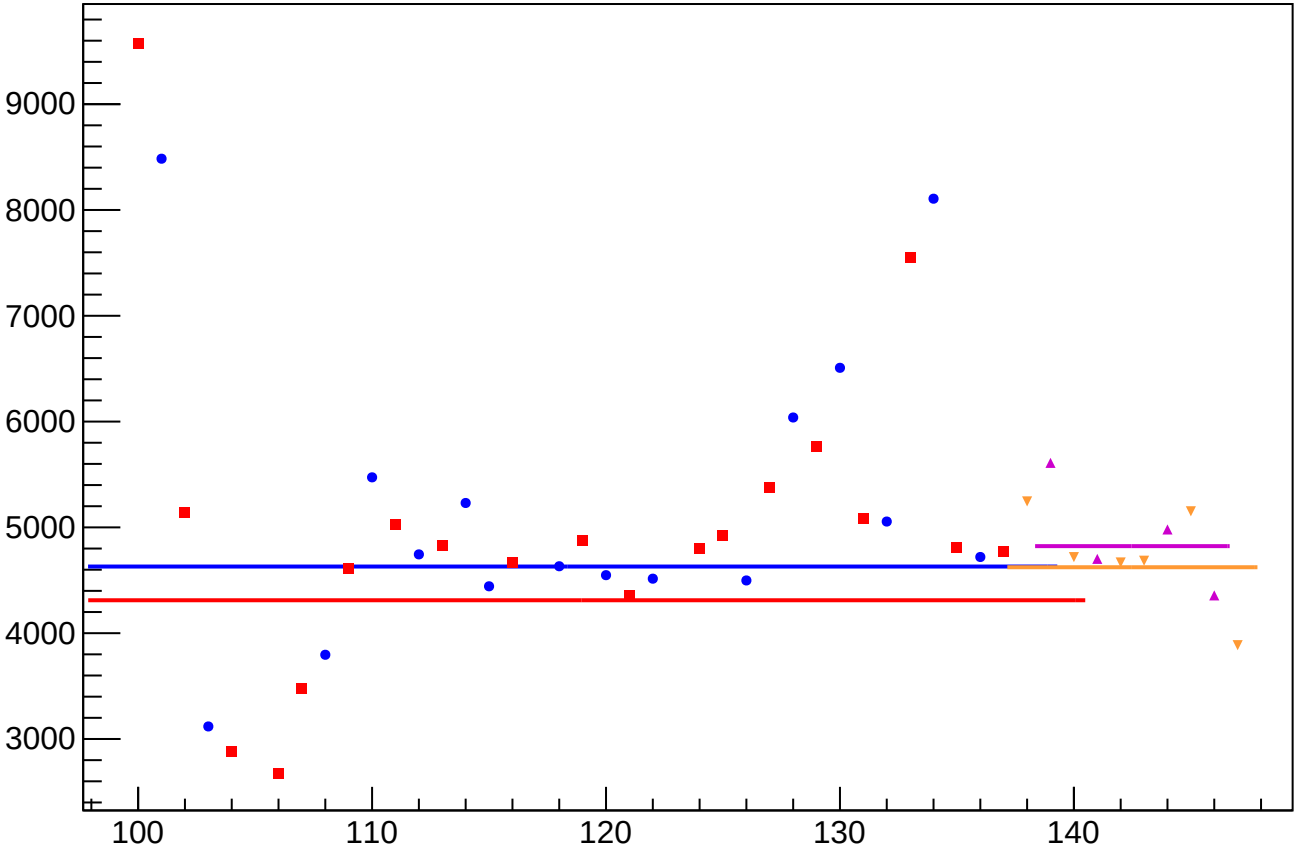
Left In: -4473.663+/-2583.377 χ^2/NDF:2.0/3

+ sign 1226.937+/-1382.957 χ^2/NDF: 23.0/21

All: -1000.276+/-985.112 χ^2/NDF: 45.9/44

- sign -3294.437+/-1403.588 χ^2/NDF: 17.7/22

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4623.277+/-1.551 χ^2/NDF:99123.0/5

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

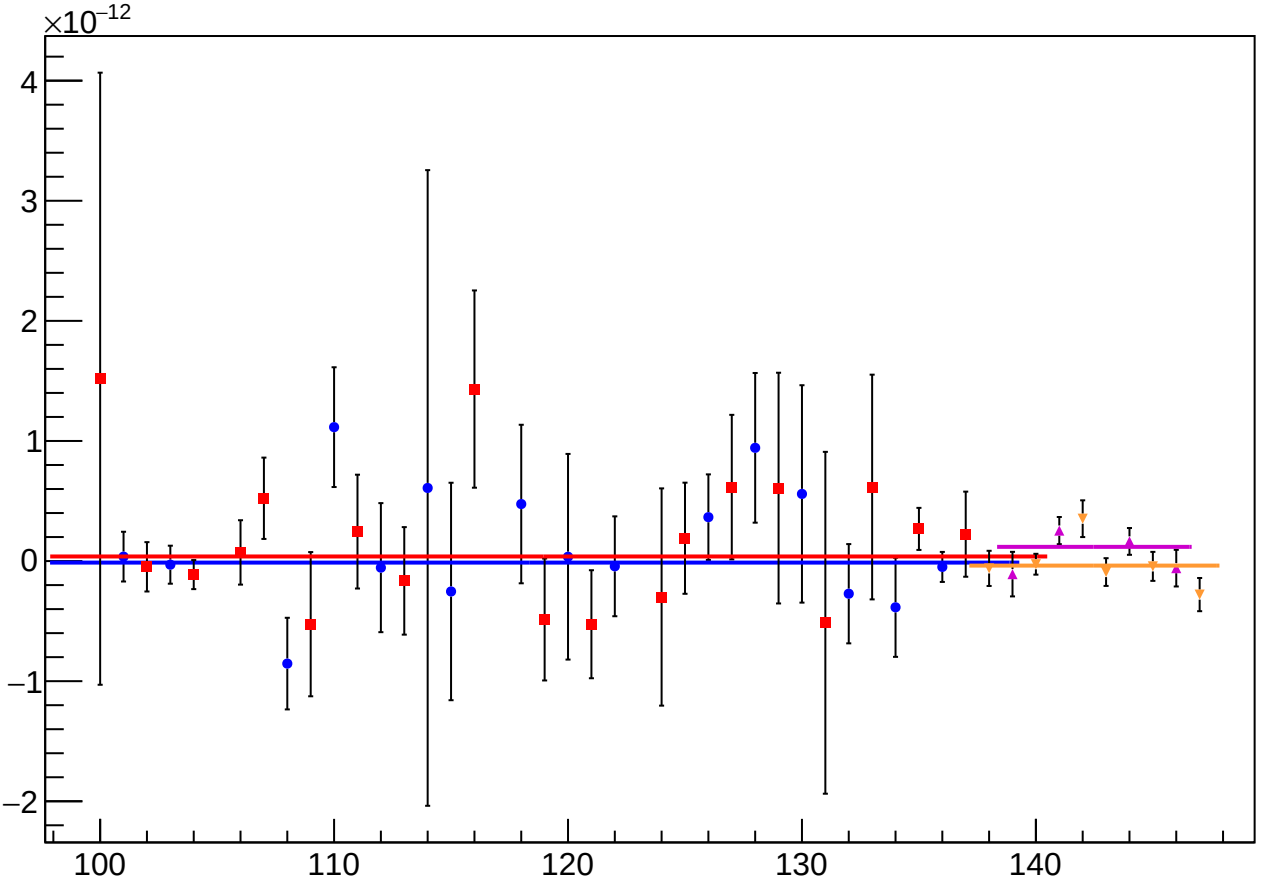
Left In: 4822.746+/-1.827 χ^2/NDF:56635.6/3

+ sign 4627.306+/-0.978 χ^2/NDF: 999380.6/21

All: 4544.564+/-0.694 χ^2/NDF: 2030746.6/44

- sign 4460.374+/-0.986 χ^2/NDF: 1016922.2/22

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:9.8/5

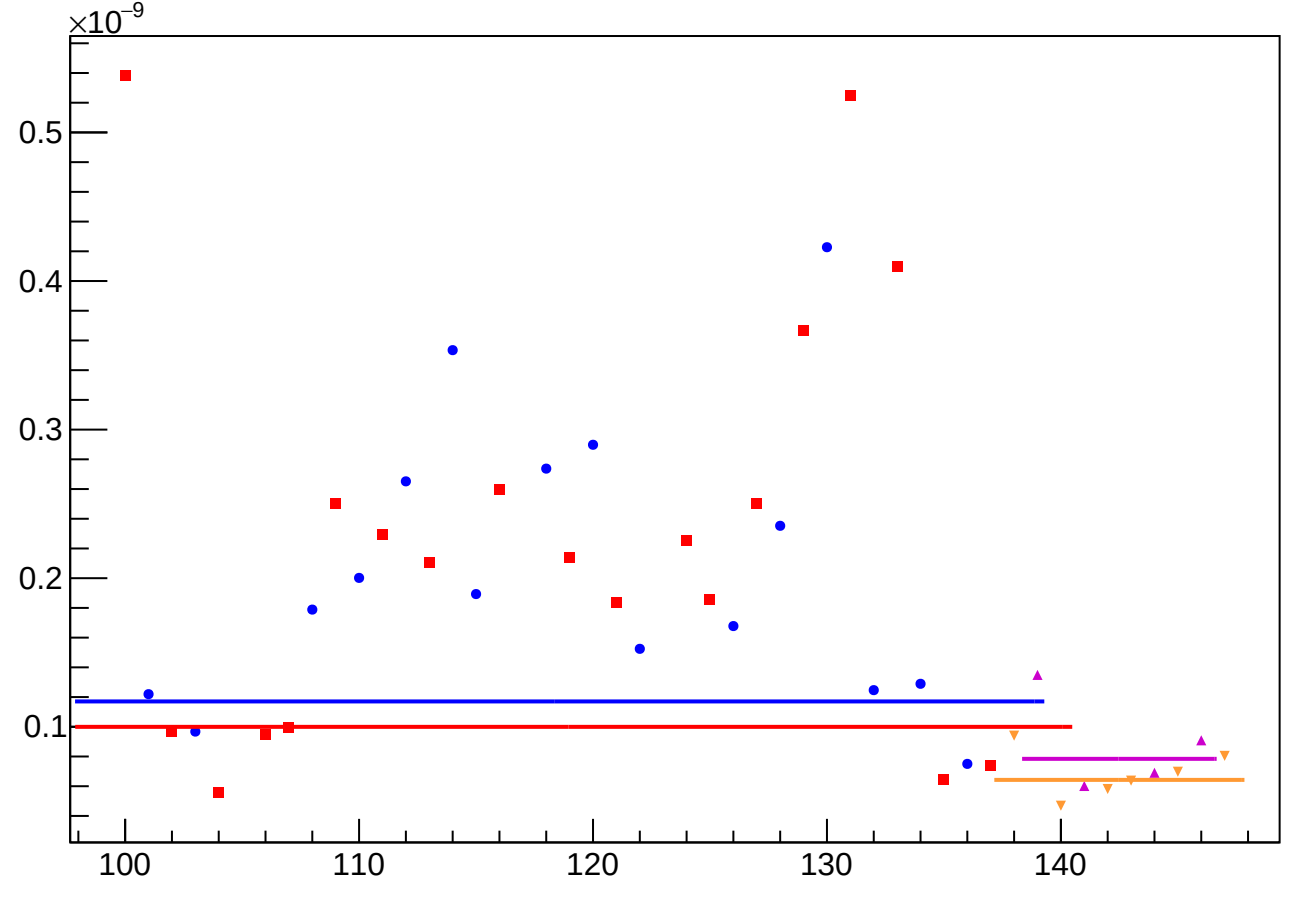
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 49.0/44

- sign 0.000+/-0.000 χ^2/NDF: 20.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:197709.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

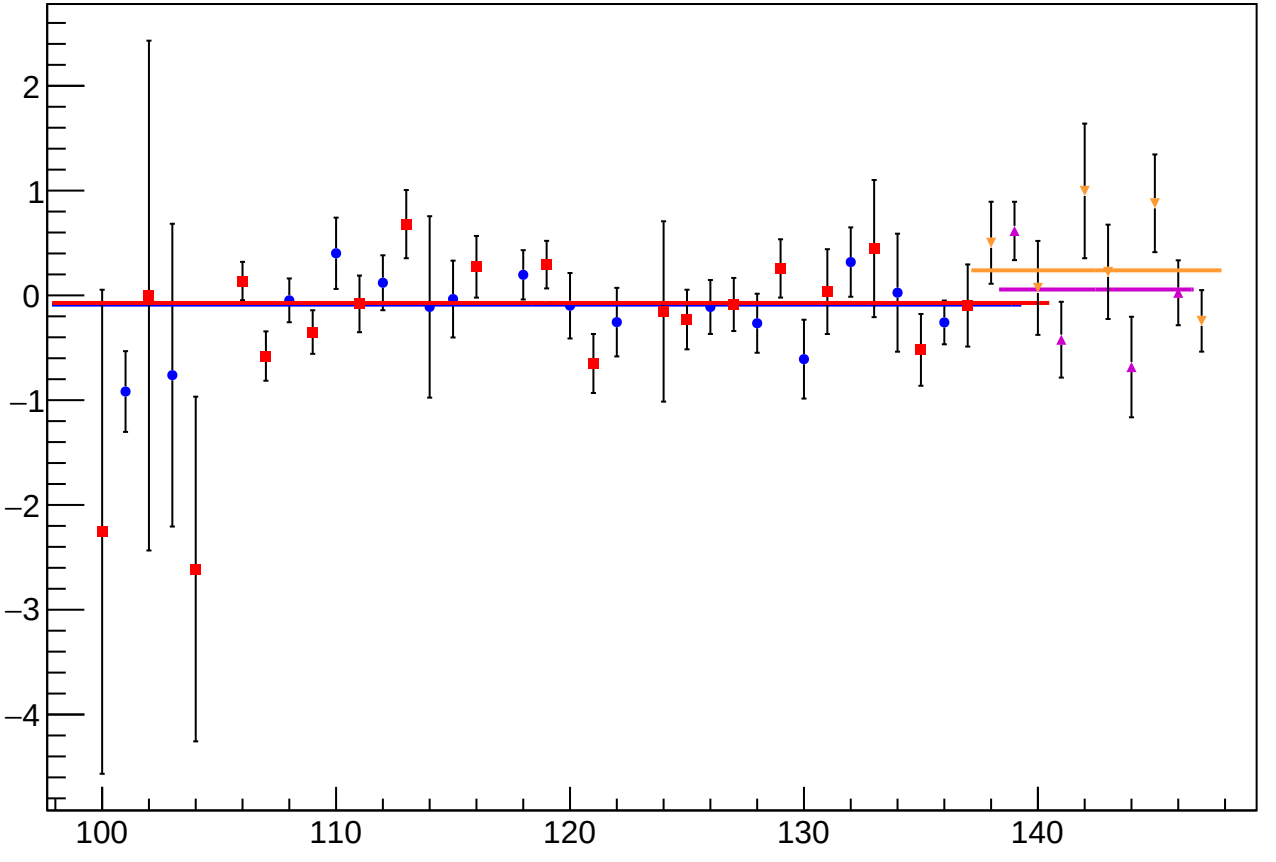
Left In: 0.000+/-0.000 χ^2/NDF:265037.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 1988262.9/21

All: 0.000+/-0.000 χ^2/NDF: 4227268.5/44

- sign 0.000+/-0.000 χ^2/NDF: 2205547.1/22

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

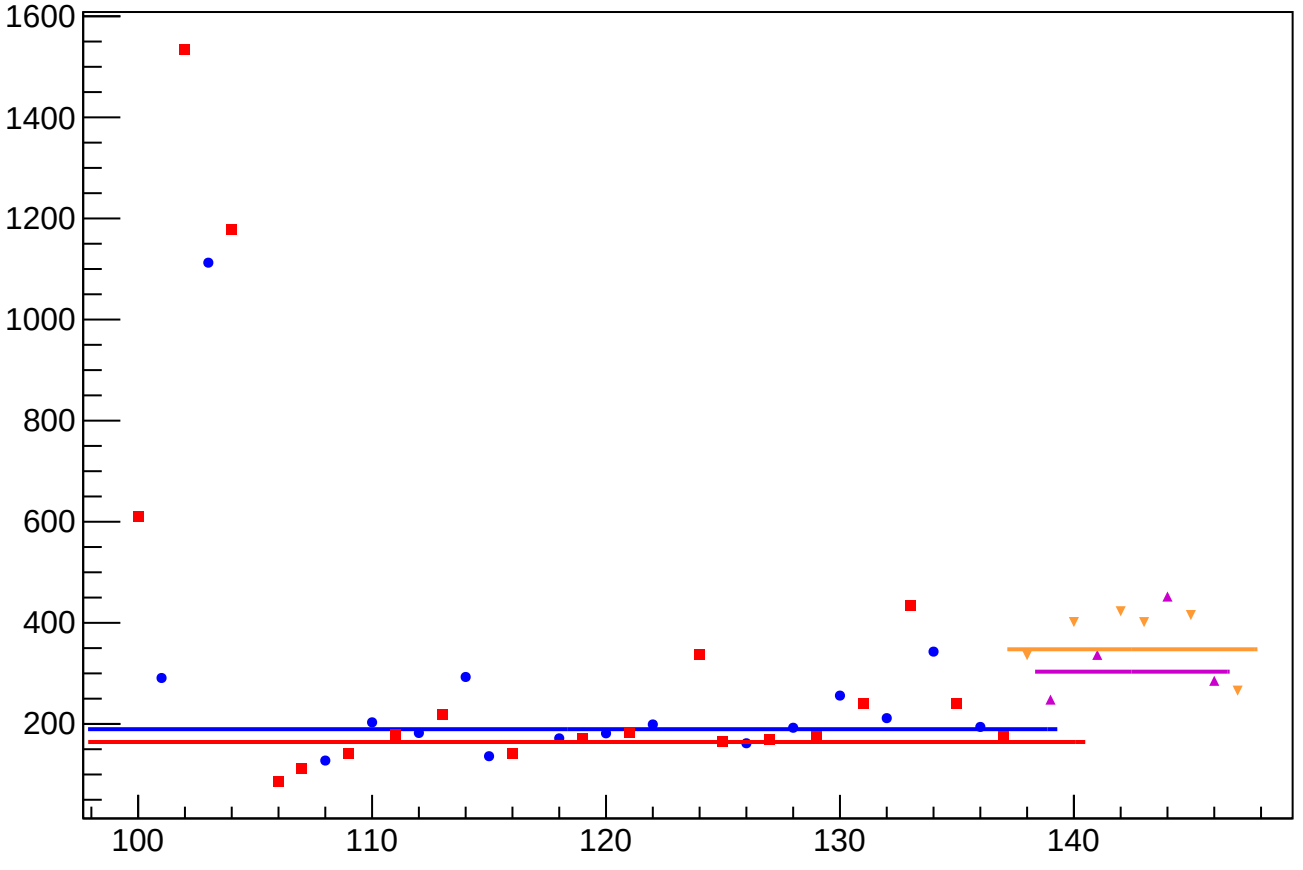
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.044+/-0.047 χ^2/NDF: 60.9/44

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 347.682+/-0.119 χ^2/NDF:284020.1/5

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

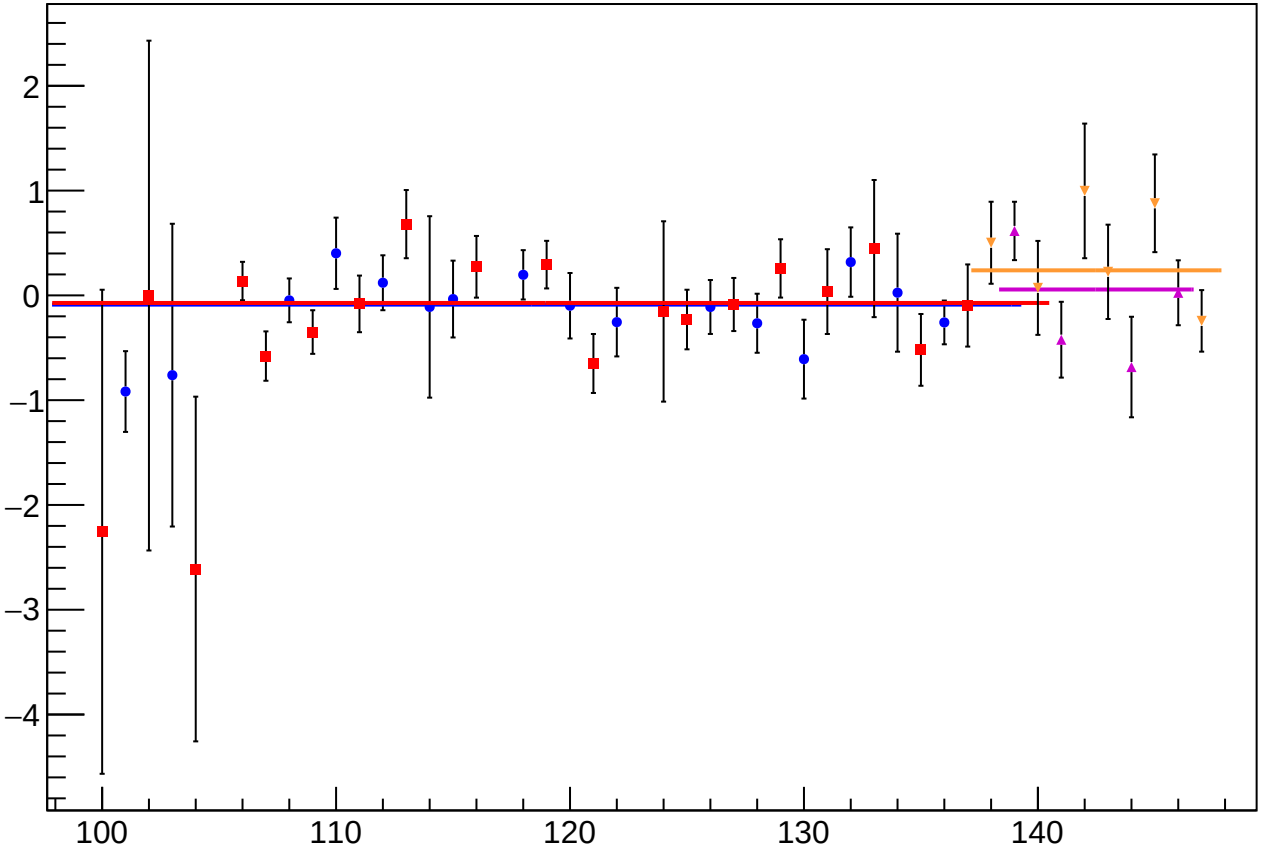
Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

+ sign 216.695+/-0.049 χ^2/NDF: 3201272.8/21

All: 199.513+/-0.034 χ^2/NDF: 7528479.8/44

- sign 184.812+/-0.046 χ^2/NDF: 4102880.9/22

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: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

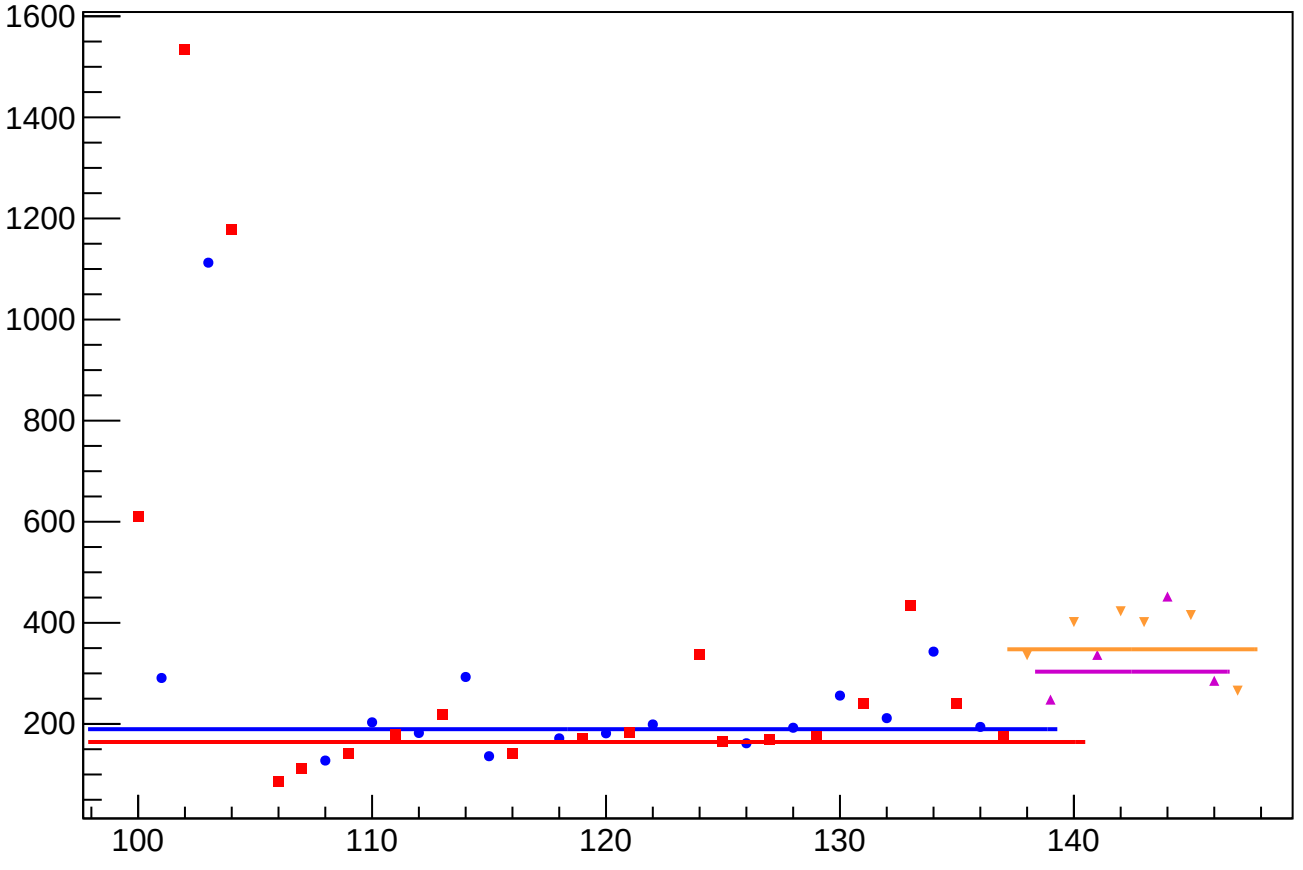
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.044+/-0.047 χ^2/NDF: 60.9/44

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

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: 347.682+/-0.119 χ^2/NDF:284020.1/5

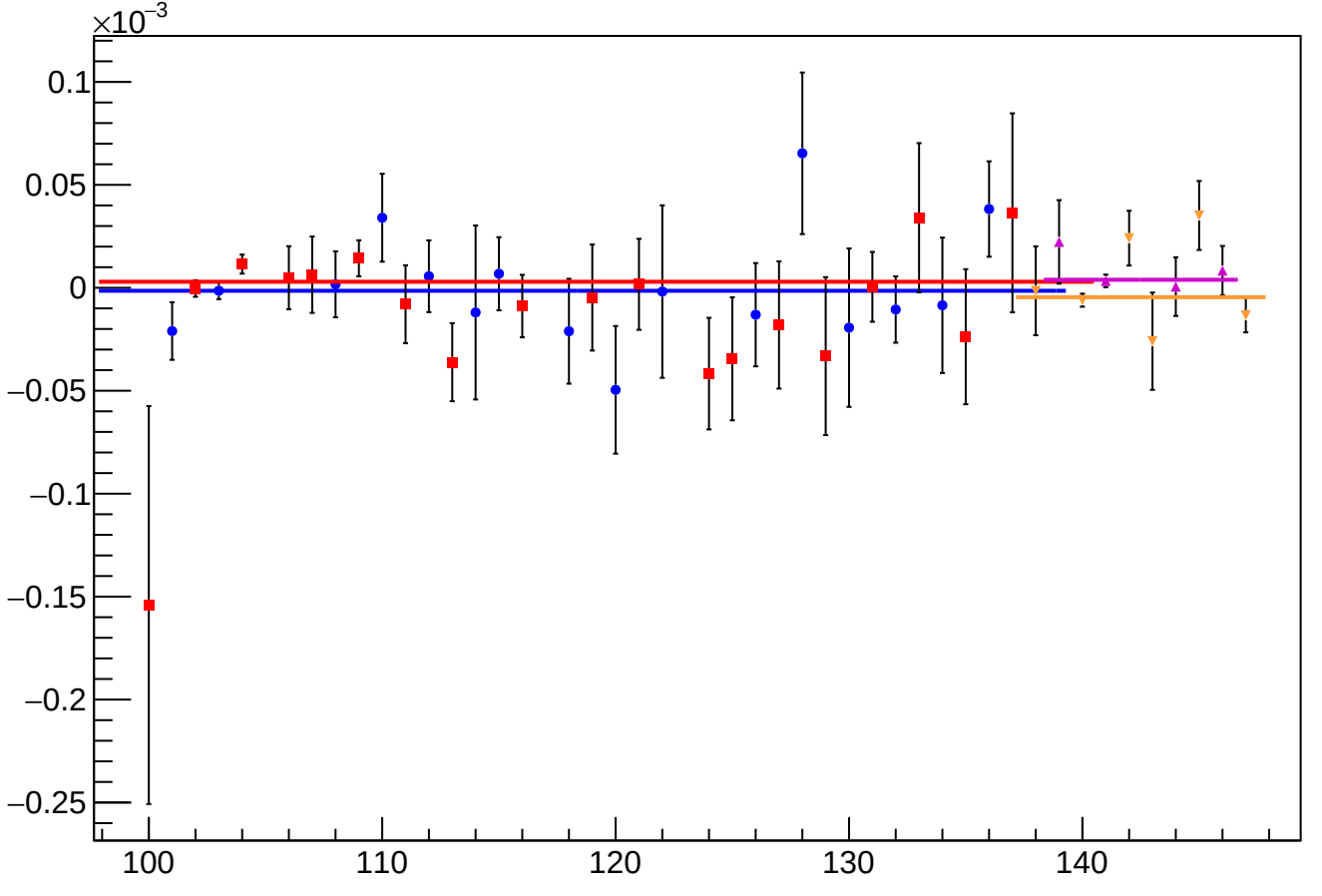
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

+ sign 216.695+/-0.049 χ^2/NDF: 3201272.8/21

All: 199.513+/-0.034 χ^2/NDF: 7528479.8/44

- sign 184.812+/-0.046 χ^2/NDF: 4102880.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

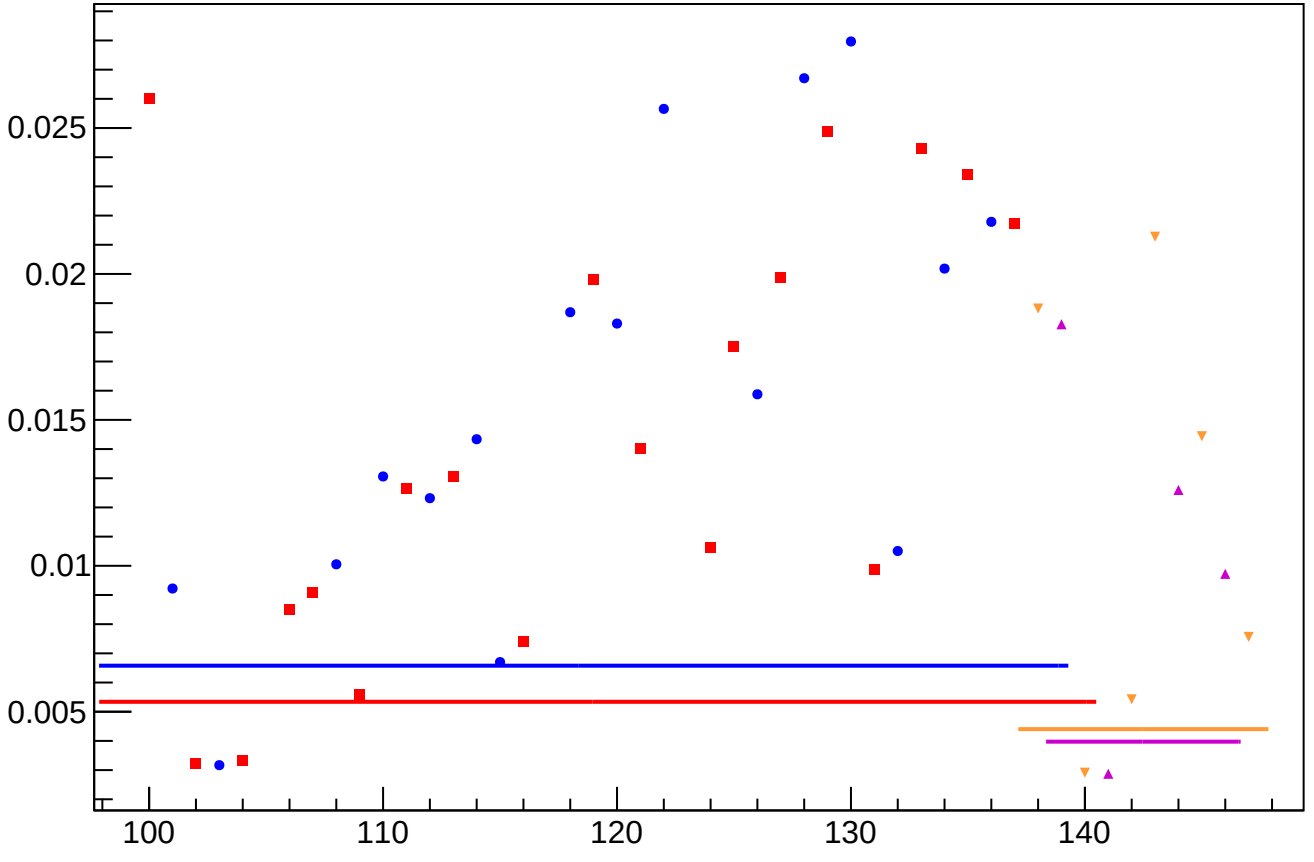
Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/21

All: 0.000+/-0.000 χ^2/NDF: 55.5/44

- sign 0.000+/-0.000 χ^2/NDF: 22.4/22

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:3372866.5/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

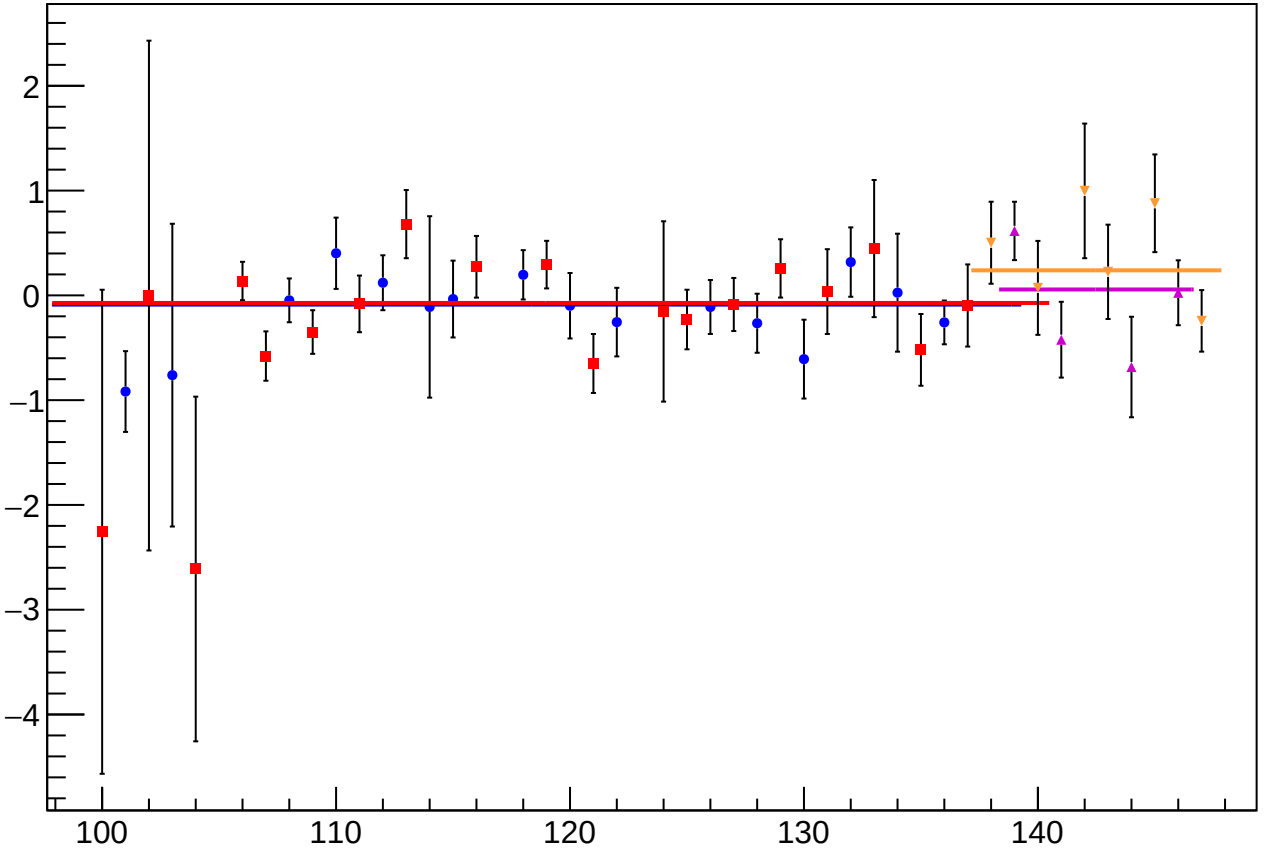
Left In: 0.004+/-0.000 χ^2/NDF:2448719.4/3

+ sign 0.005+/-0.000 χ^2/NDF: 9801959.9/21

All: 0.005+/-0.000 χ^2/NDF: 18269339.7/44

- sign 0.005+/-0.000 χ^2/NDF: 8386330.8/22

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: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

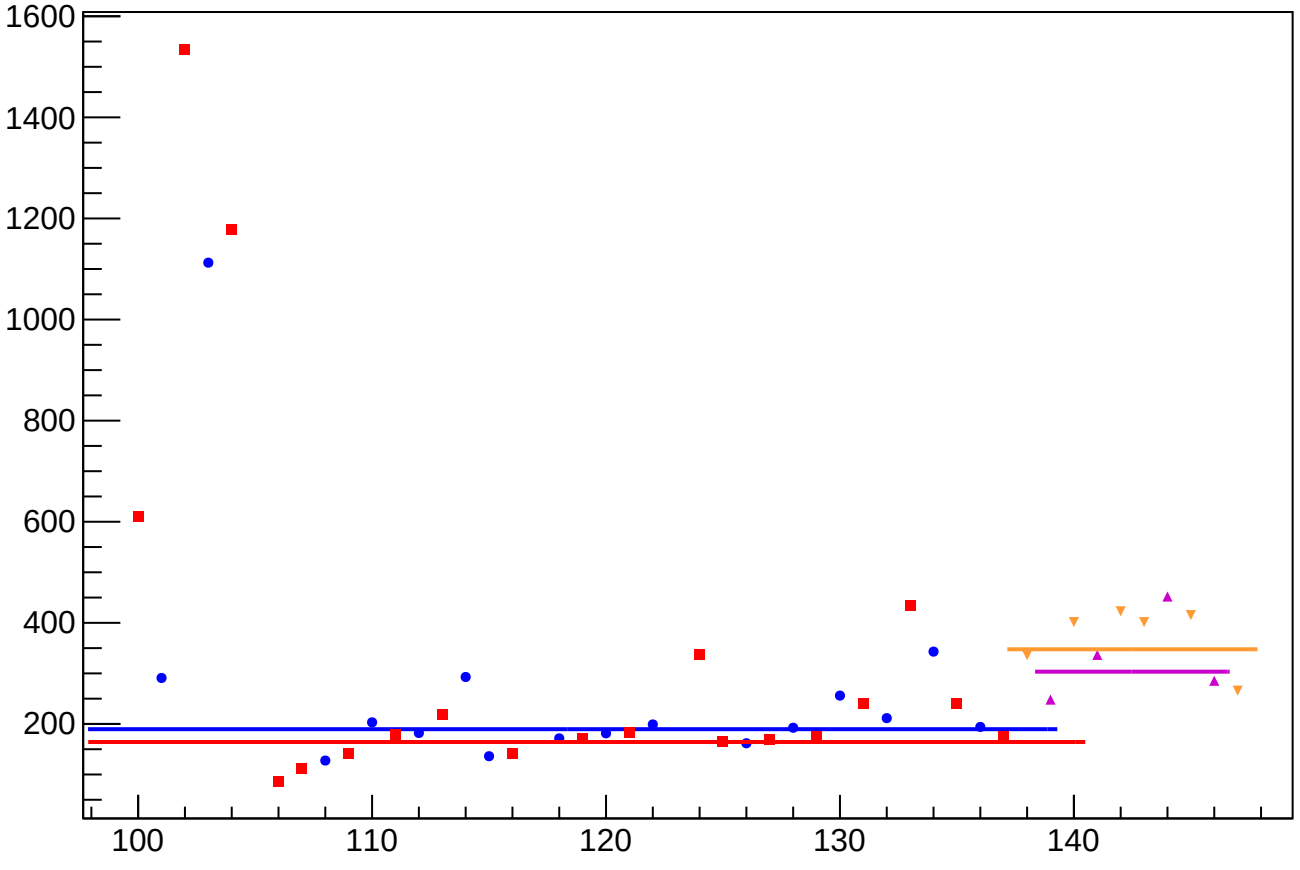
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.044+/-0.047 χ^2/NDF: 60.9/44

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

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: 347.687+/-0.119 χ^2/NDF:284008.6/5

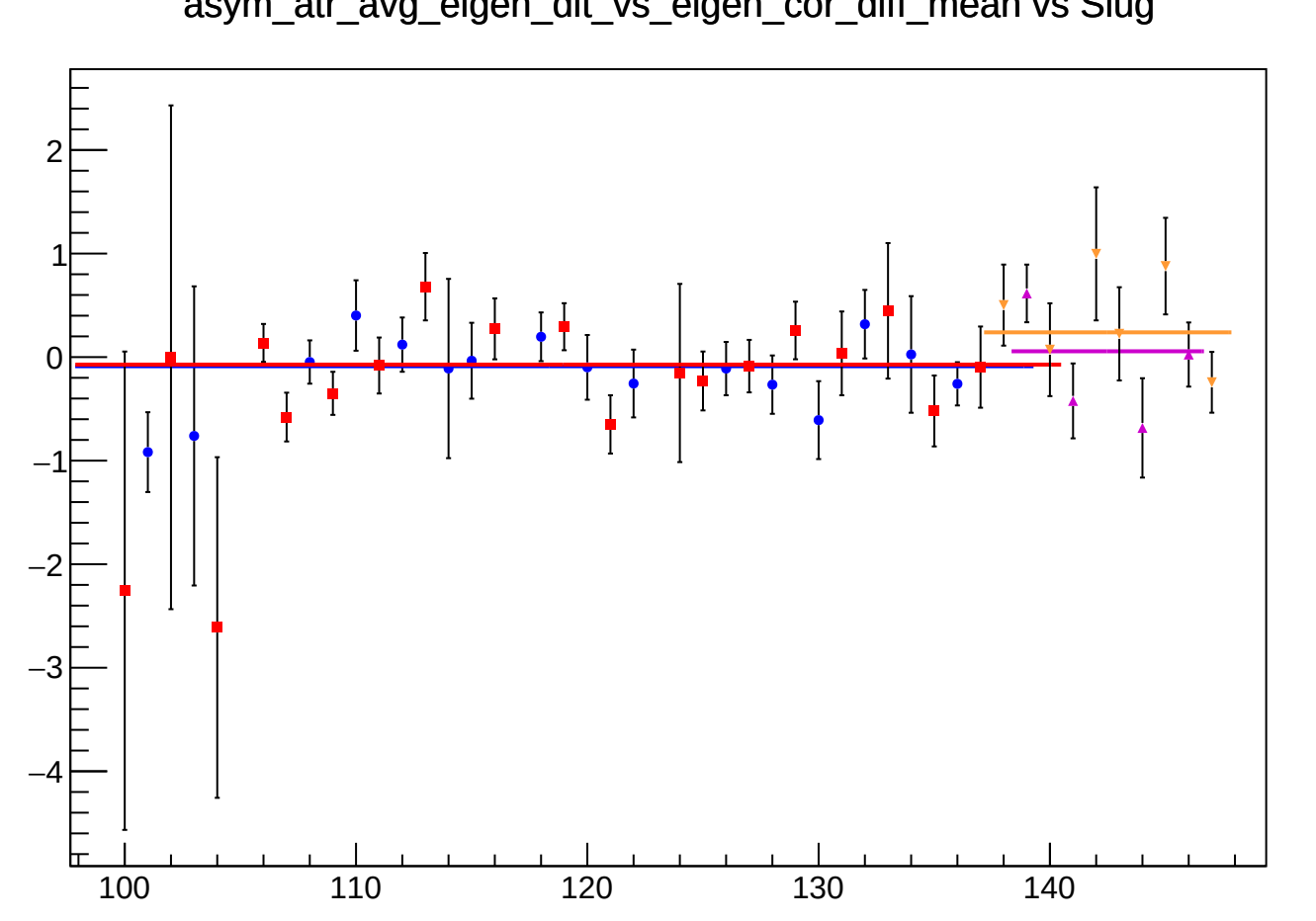
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

+ sign 216.694+/-0.049 χ^2/NDF: 3201320.7/21

All: 199.512+/-0.034 χ^2/NDF: 7528552.5/44

- sign 184.811+/-0.046 χ^2/NDF: 4102902.8/22



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

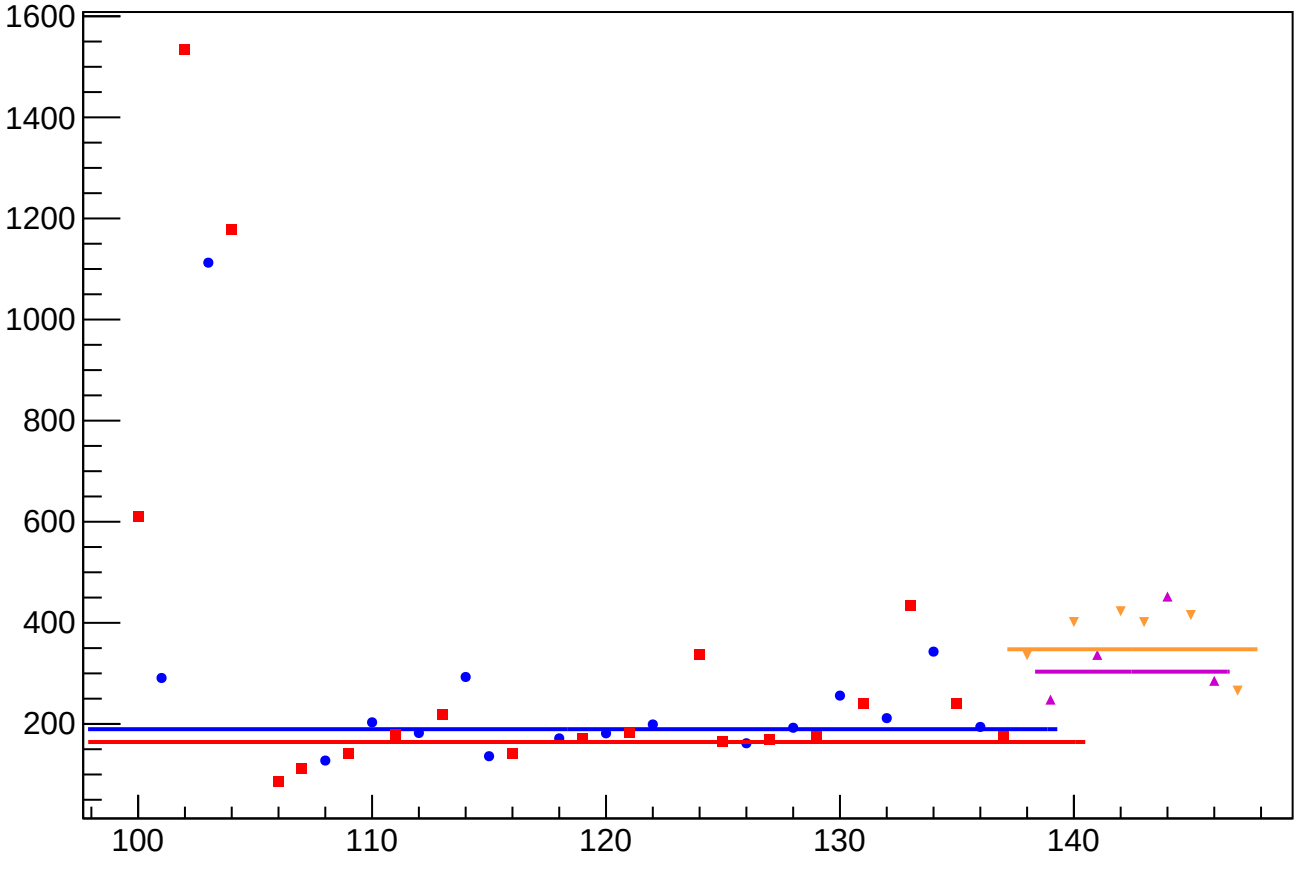
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.044+/-0.047 χ^2/NDF: 60.9/44

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 347.687+/-0.119 χ^2/NDF:284008.6/5

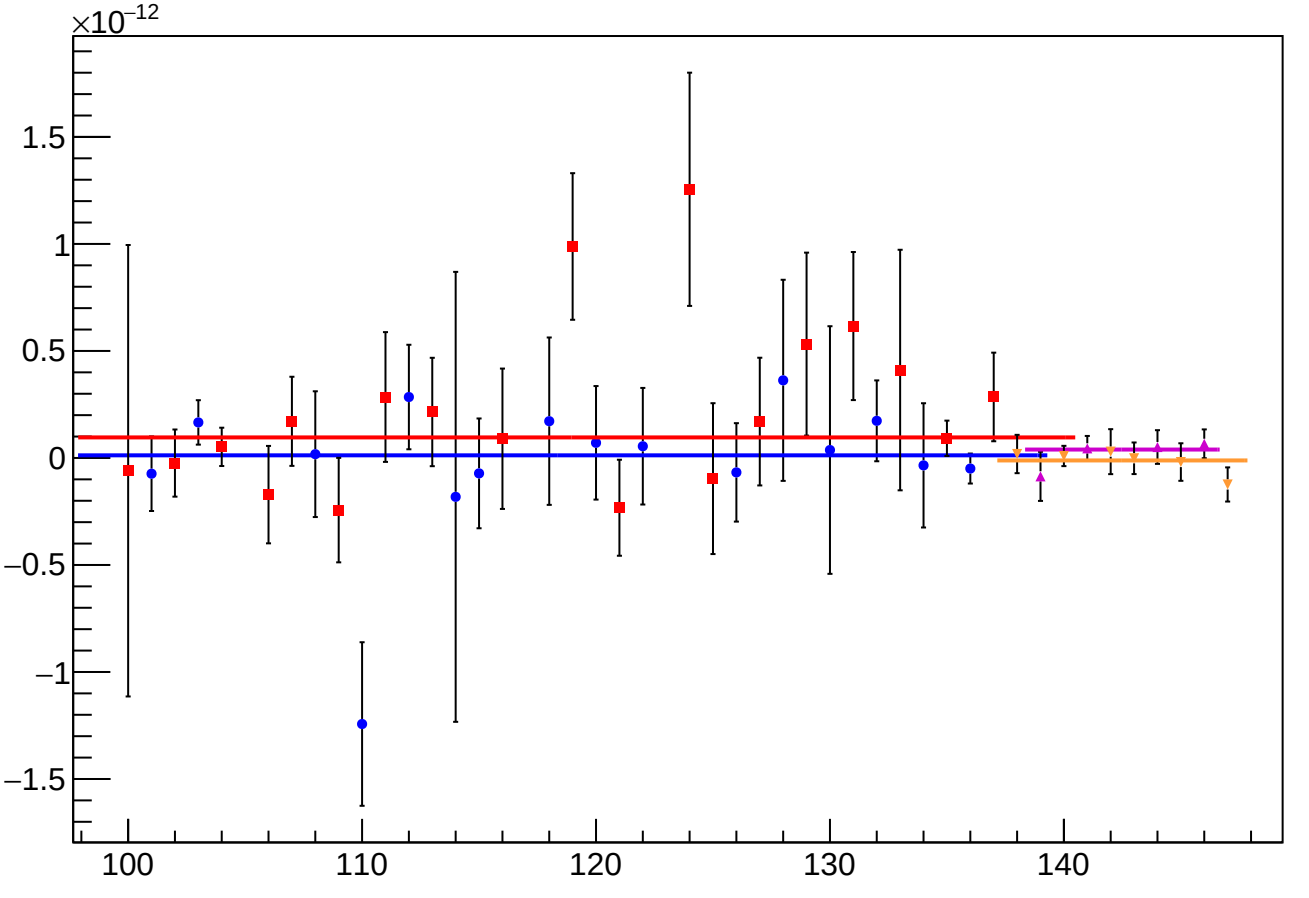
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

+ sign 216.694+/-0.049 χ^2/NDF: 3201320.7/21

All: 199.512+/-0.034 χ^2/NDF: 7528552.5/44

- sign 184.811+/-0.046 χ^2/NDF: 4102902.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

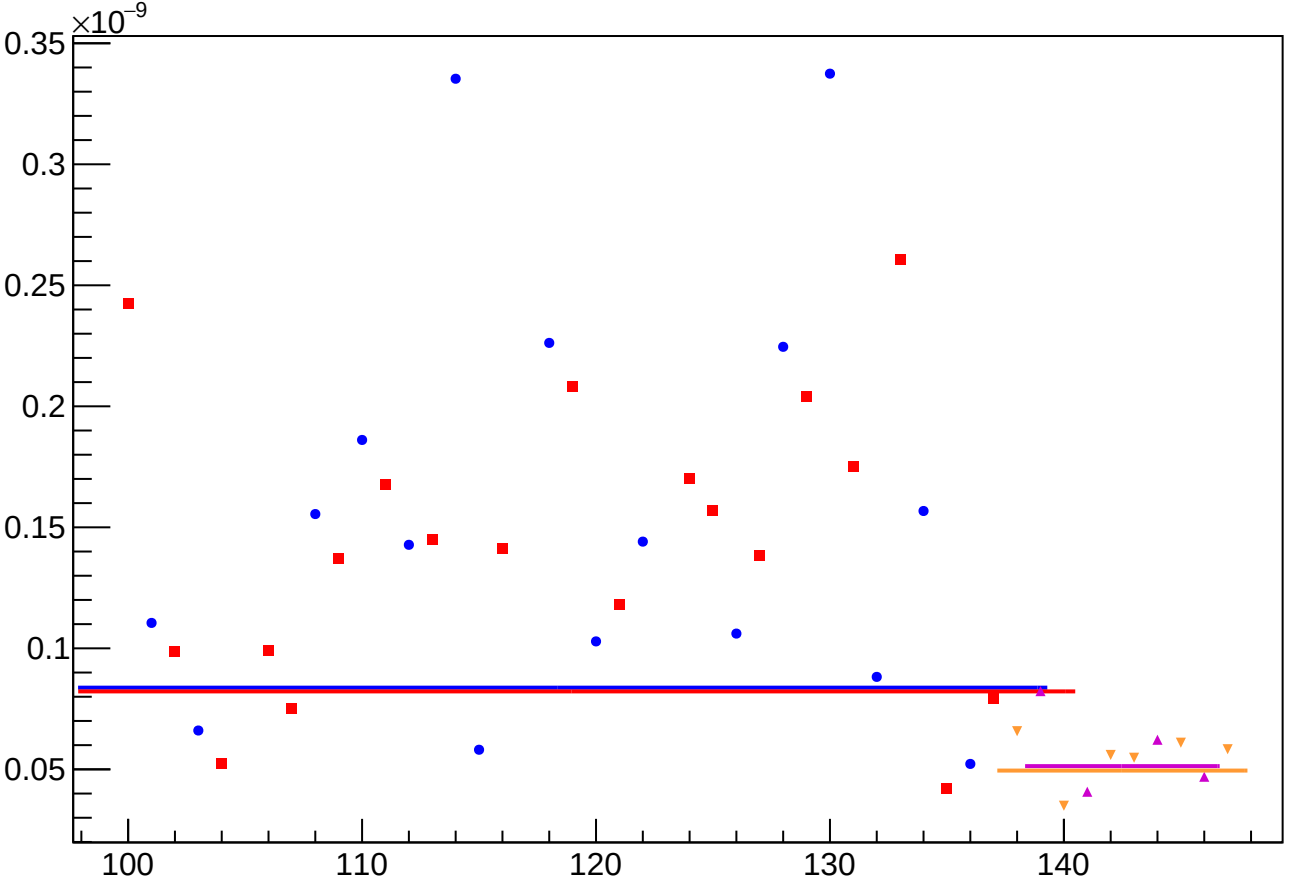
Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/21

All: 0.000+/-0.000 χ^2/NDF: 48.4/44

- sign 0.000+/-0.000 χ^2/NDF: 25.5/22

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:330547.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

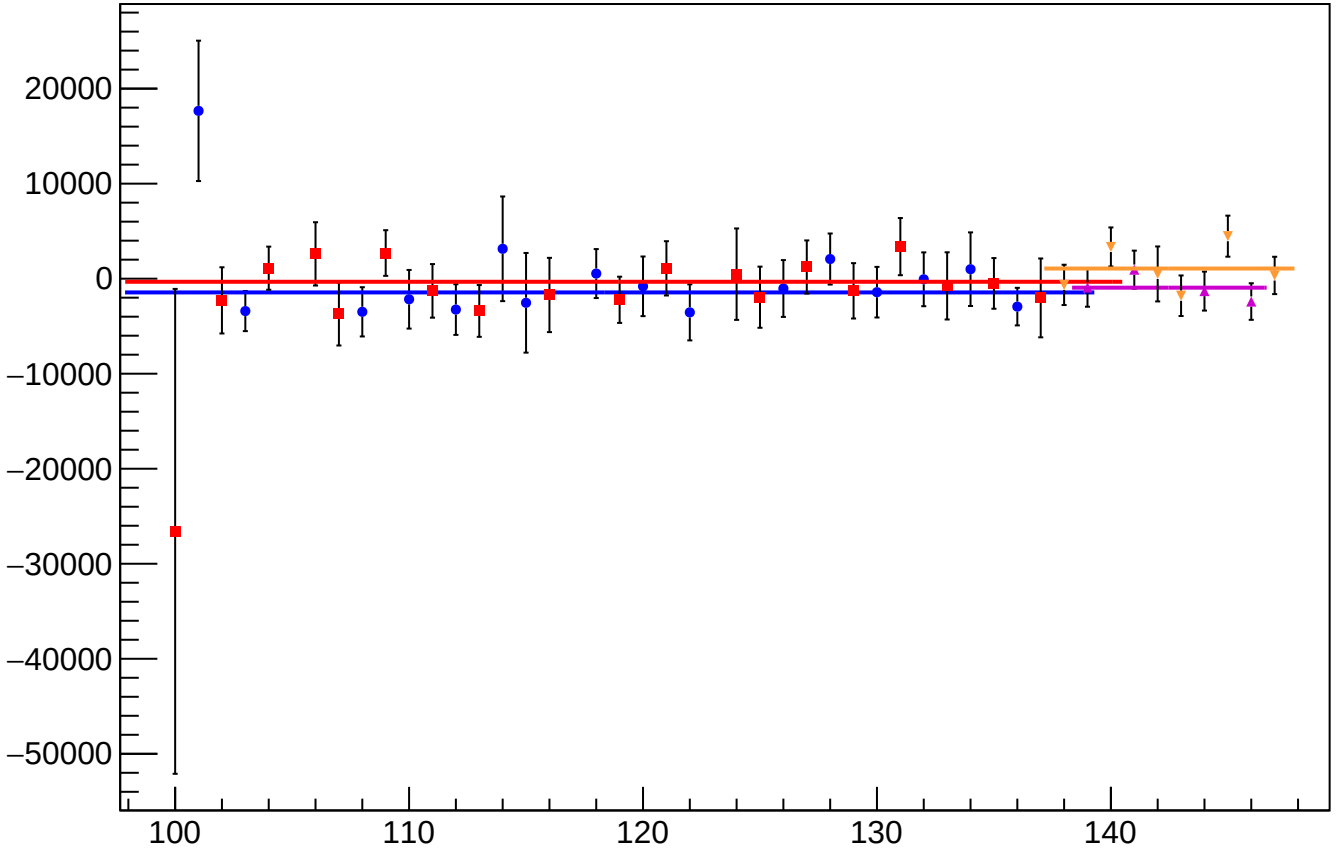
Left In: 0.000+/-0.000 χ^2/NDF:259279.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 3232379.3/21

All: 0.000+/-0.000 χ^2/NDF: 6358222.8/44

- sign 0.000+/-0.000 χ^2/NDF: 3104467.8/22

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1067.997+/-886.721 χ^2/NDF:6.3/5

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

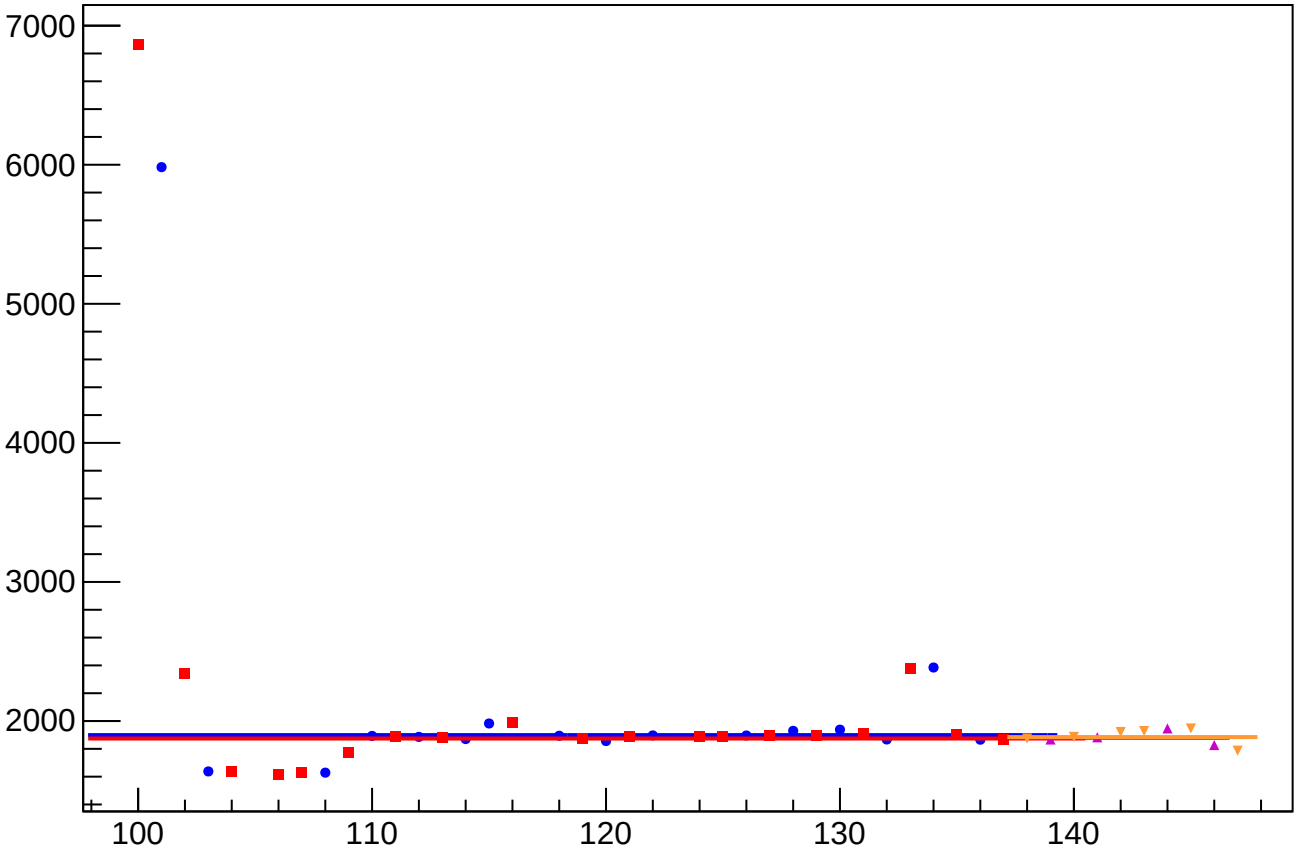
Left In: -947.188+/-999.935 χ^2/NDF:1.5/3

+ sign -442.170+/-560.409 χ^2/NDF: 24.7/21

All: -485.586+/-401.296 χ^2/NDF: 36.4/44

- sign -531.276+/-574.903 χ^2/NDF: 11.7/22

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

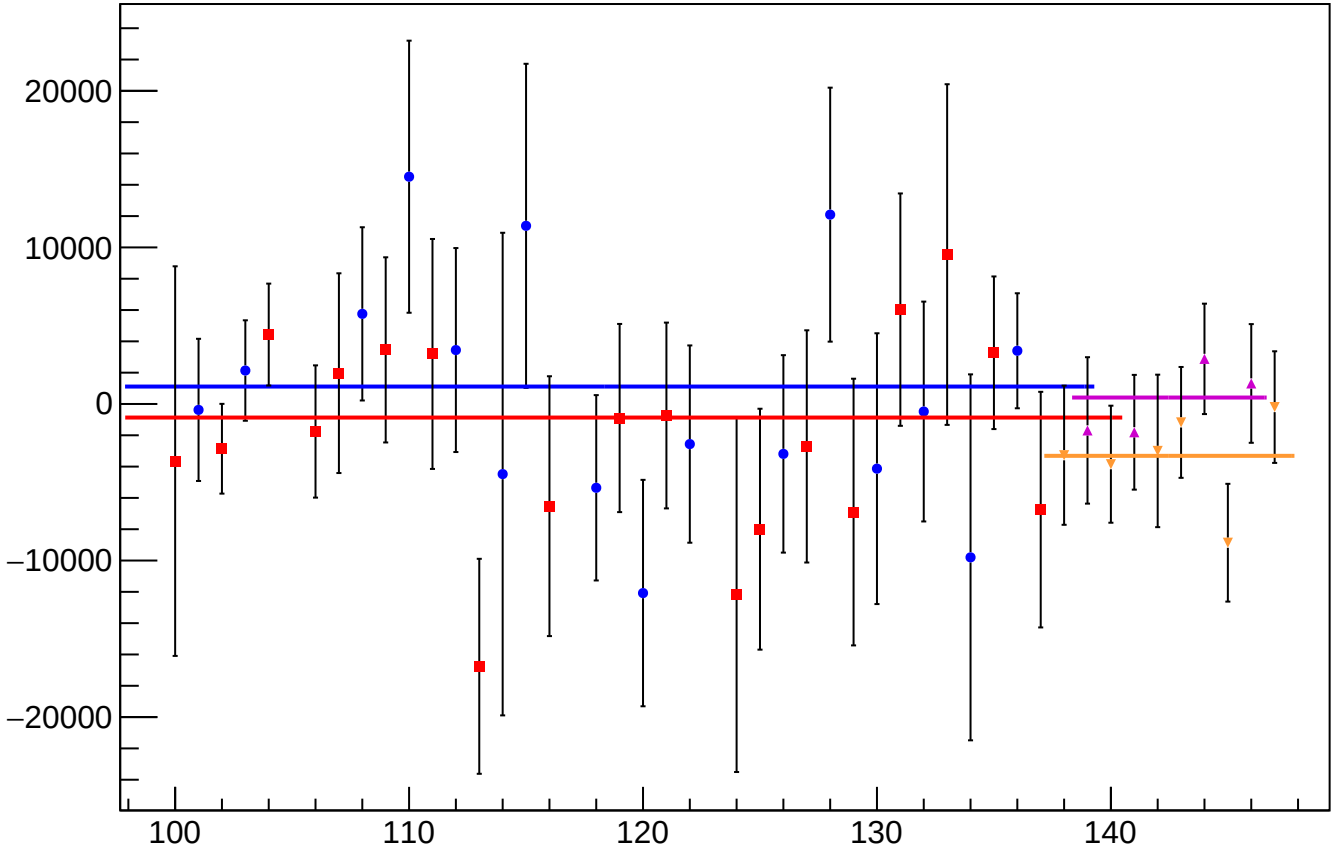
Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1893.104+/-0.396 χ^2/NDF: 705598.8/21

All: 1884.712+/-0.283 χ^2/NDF: 917898.1/44

- sign 1875.920+/-0.406 χ^2/NDF: 211380.9/22

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3312.428+/-1594.098 χ^2/NDF:3.3/5

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

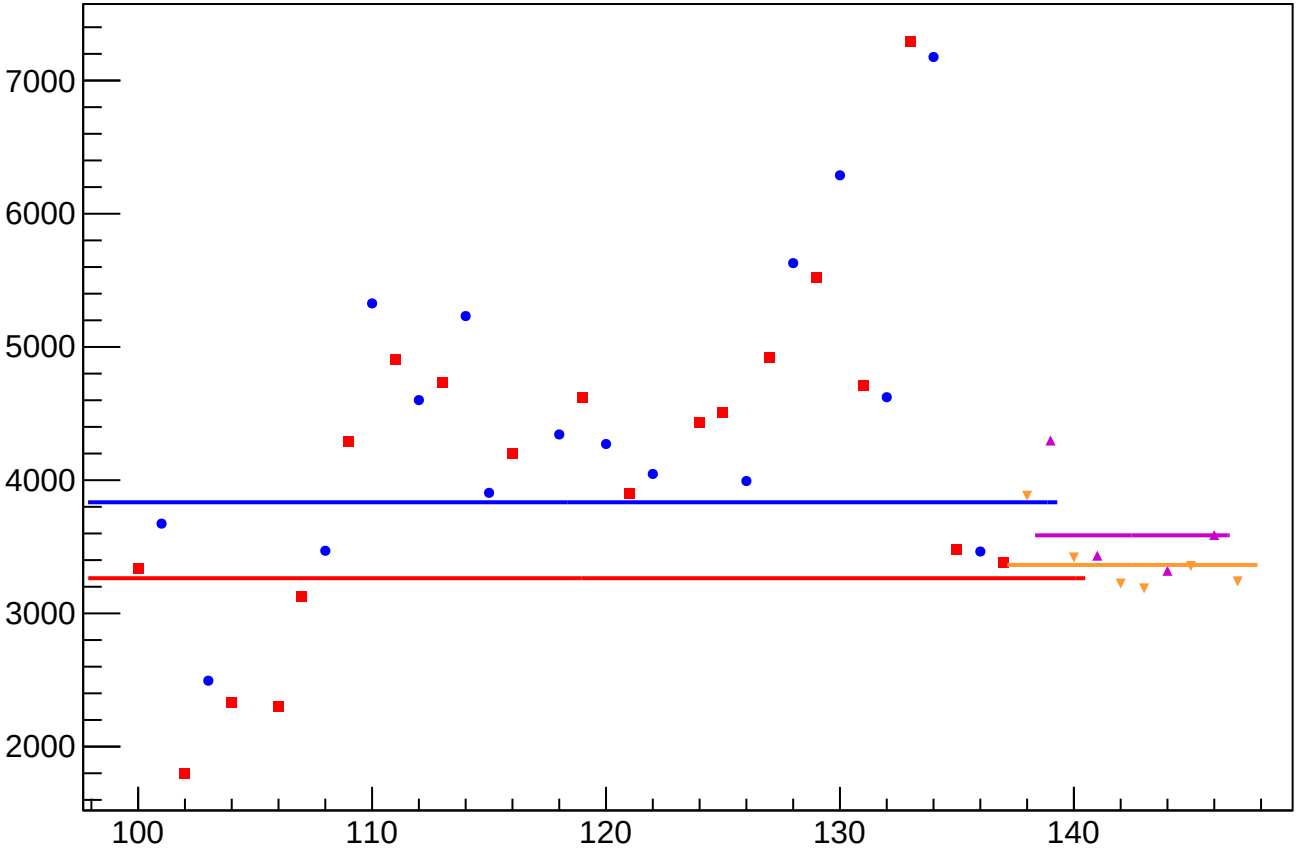
Left In: 411.236+/-1923.777 χ^2/NDF:1.1/3

+ sign -934.752+/-1084.324 χ^2/NDF: 20.8/21

All: -698.308+/-765.635 χ^2/NDF: 38.0/44

- sign -463.214+/-1081.225 χ^2/NDF: 17.0/22

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3363.578+/-1.127 χ^2/NDF:36750.1/5

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

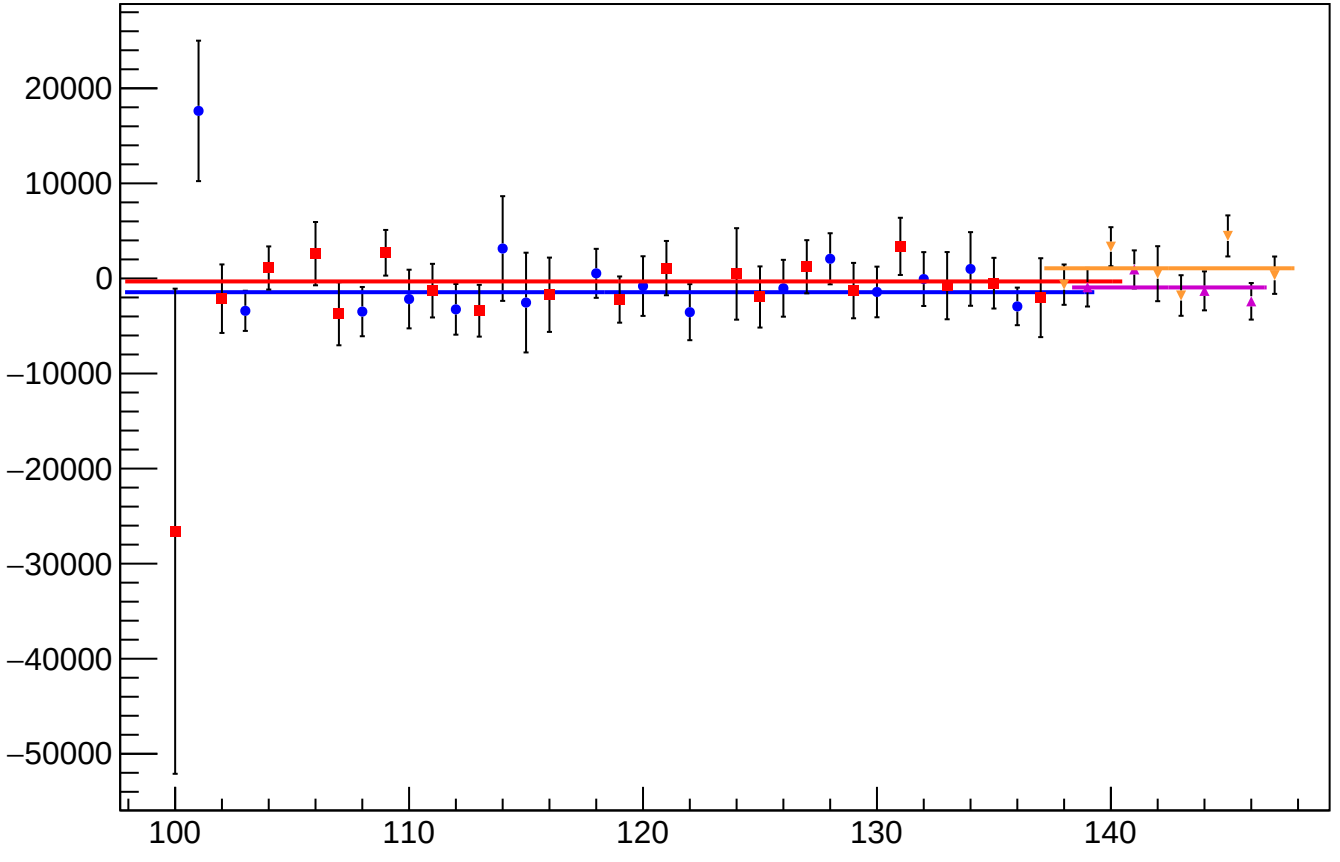
Left In: 3586.027+/-1.360 χ^2/NDF:61192.1/3

+ sign 3616.429+/-0.767 χ^2/NDF: 1087174.8/21

All: 3490.755+/-0.541 χ^2/NDF: 3104499.9/44

- sign 3365.797+/-0.765 χ^2/NDF: 1963745.8/22

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

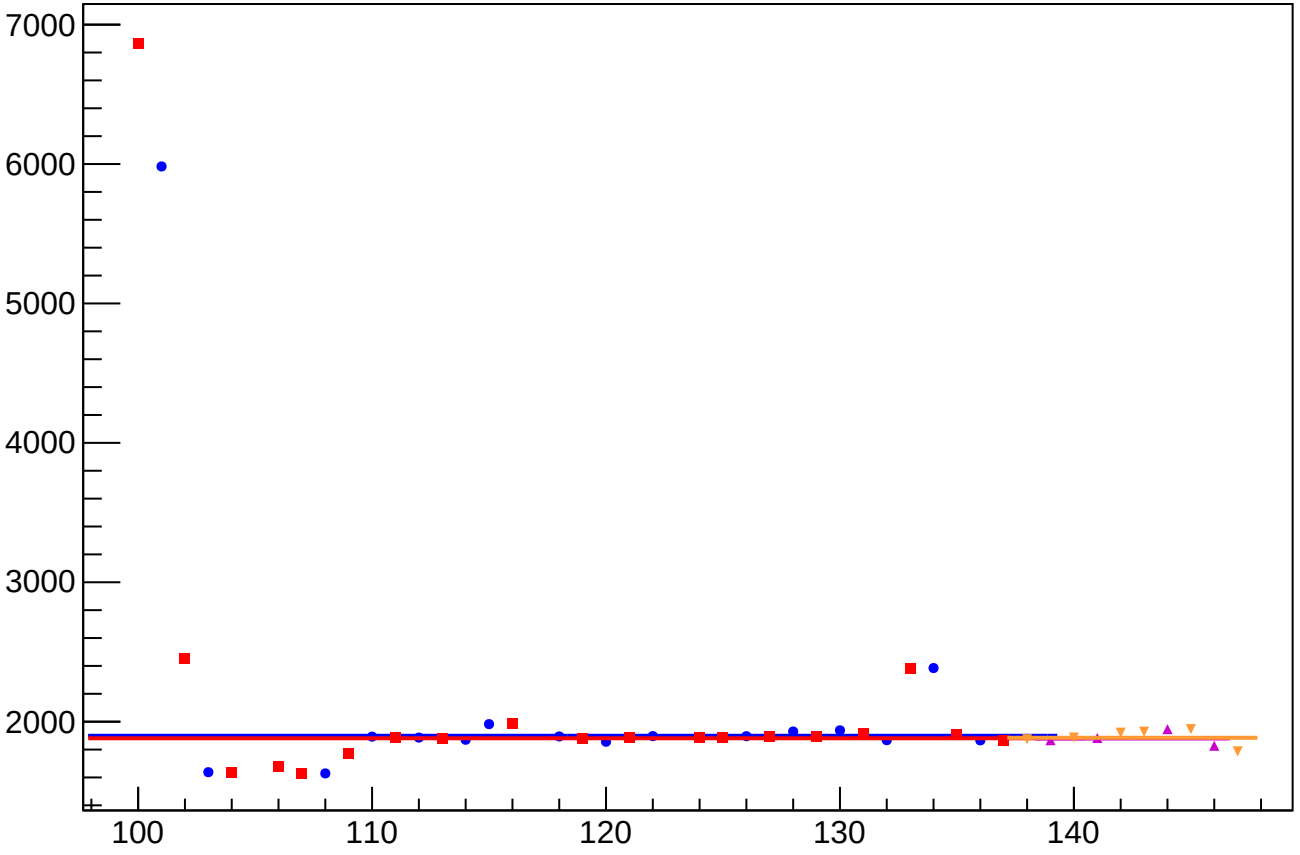
Left In: -947.131+/-999.935 χ^2/NDF:1.5/3

+ sign -442.378+/-560.409 χ^2/NDF: 24.6/21

All: -482.423+/-401.472 χ^2/NDF: 36.3/44

- sign -524.642+/-575.422 χ^2/NDF: 11.6/22

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

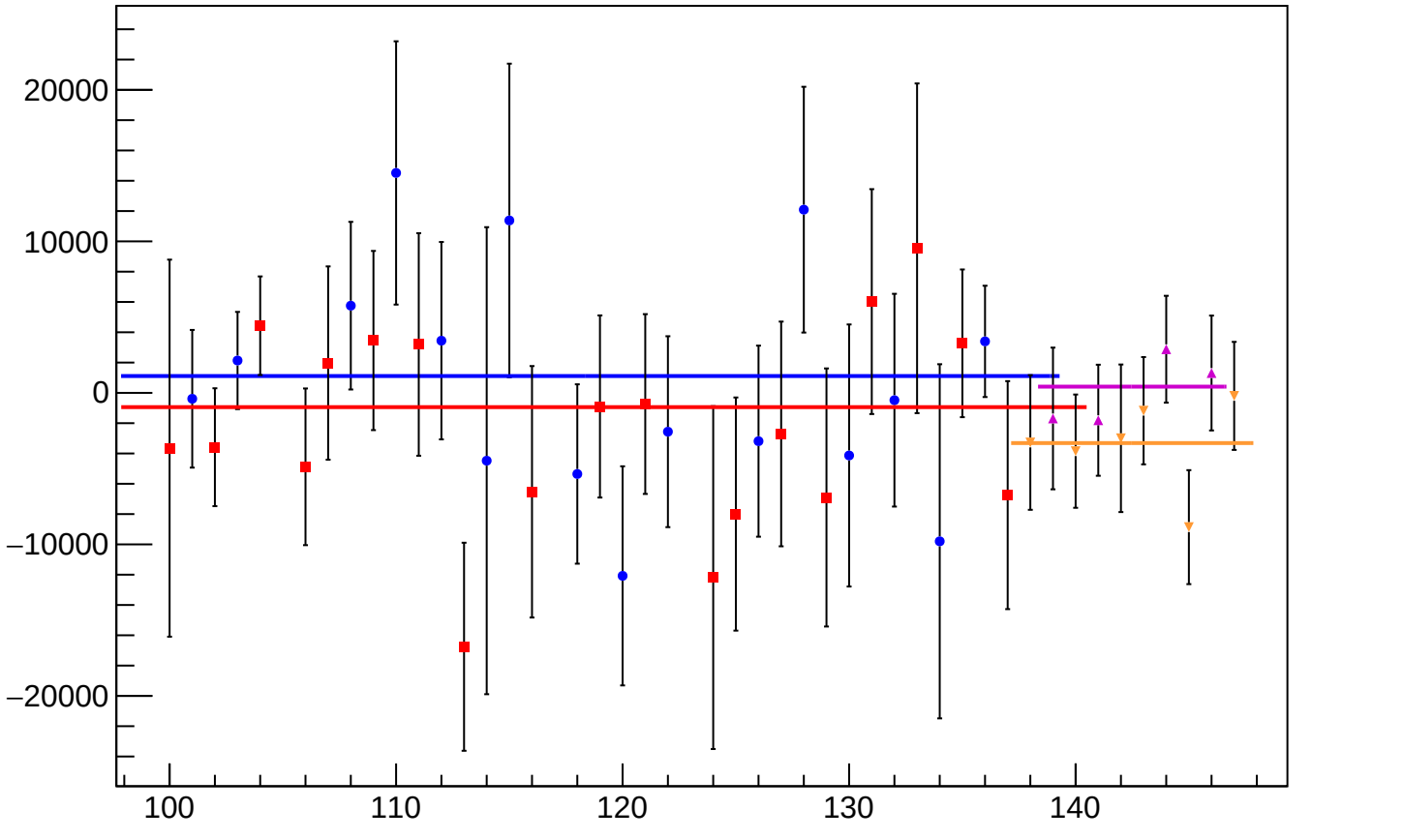
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1893.104+/-0.396 χ^2/NDF: 705599.0/21

All: 1886.938+/-0.284 χ^2/NDF: 926352.6/44

- sign 1880.450+/-0.406 χ^2/NDF: 220256.8/22



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

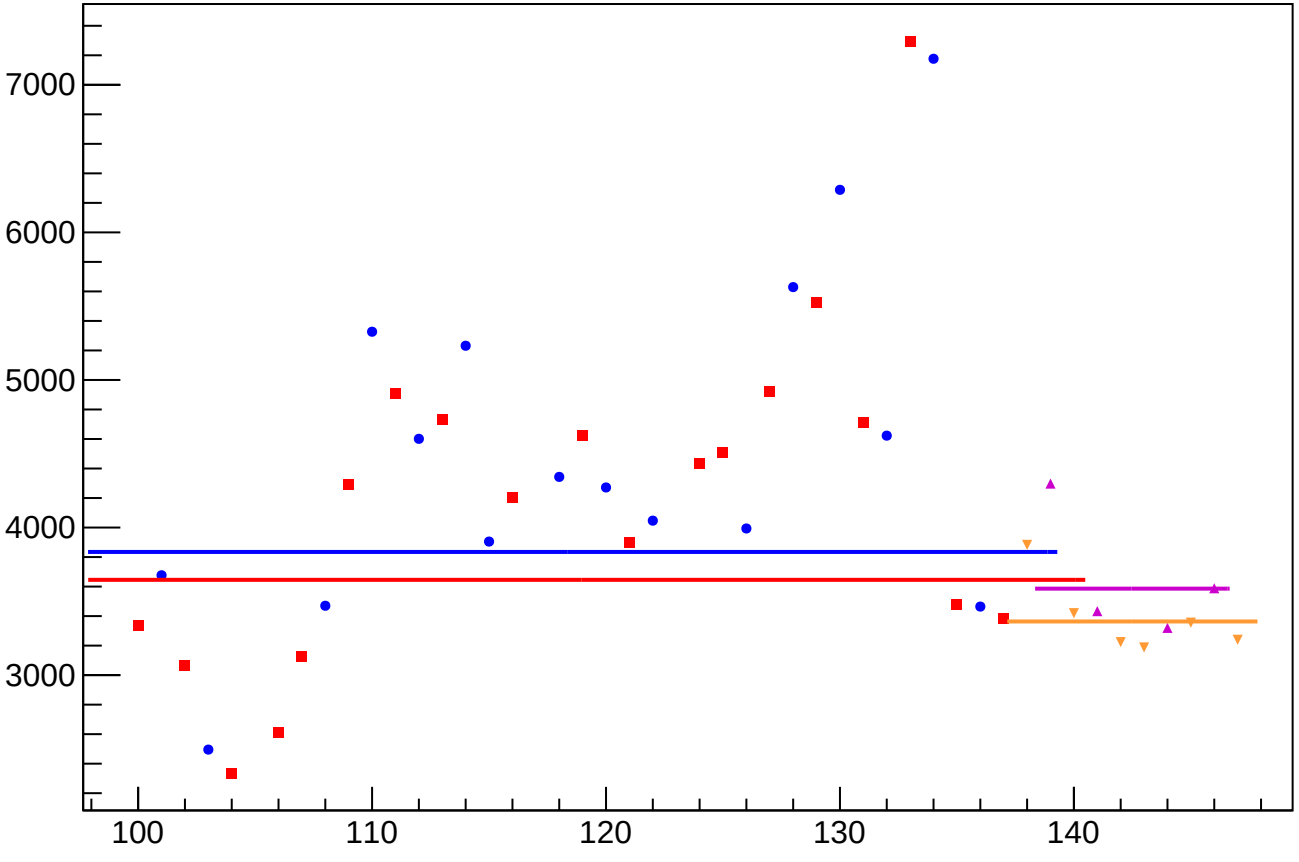
Left In: 411.370+/-1923.771 χ^2/NDF:1.1/3

\+ sign -935.534+/-1084.391 χ^2/NDF: 20.8/21

All: -714.092+/-782.887 χ^2/NDF: 38.5/44

\- sign -473.014+/-1131.448 χ^2/NDF: 17.6/22

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

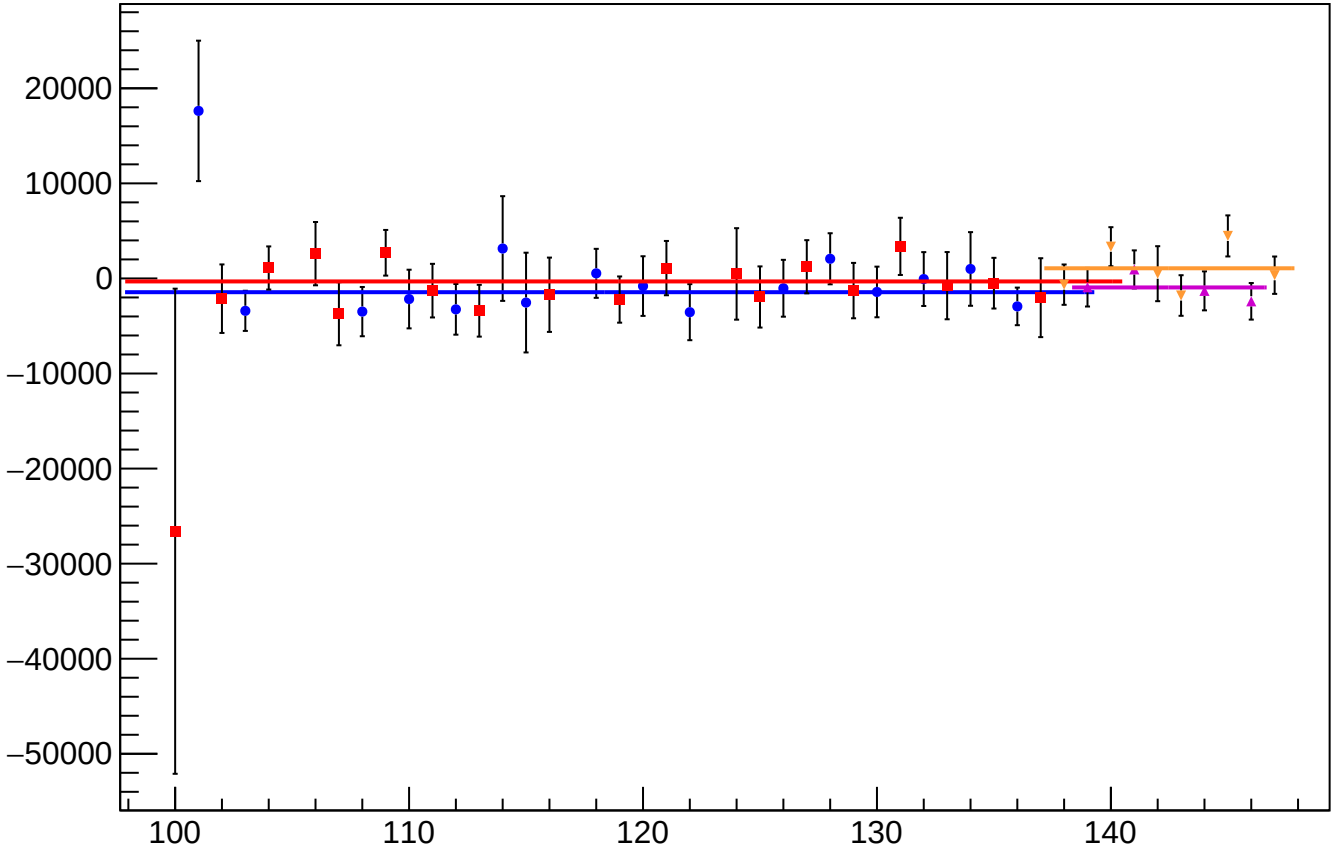
Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

+ sign 3616.681+/-0.767 χ^2/NDF: 1086916.0/21

All: 3620.686+/-0.554 χ^2/NDF: 2274405.4/44

- sign 3625.047+/-0.800 χ^2/NDF: 1187432.4/22

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

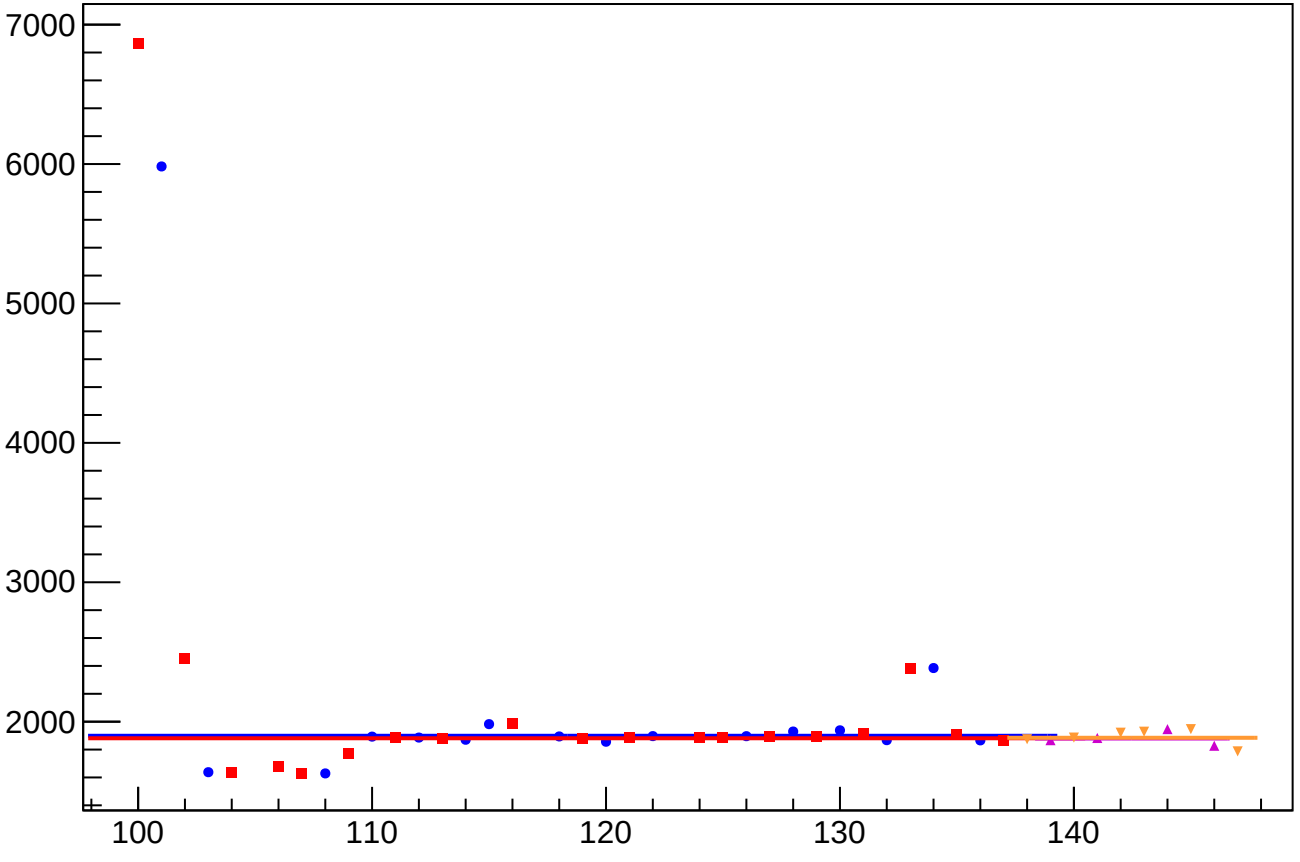
Left In: -947.131+/-999.935 χ^2/NDF:1.5/3

+ sign -442.378+/-560.409 χ^2/NDF: 24.6/21

All: -482.423+/-401.472 χ^2/NDF: 36.3/44

- sign -524.642+/-575.422 χ^2/NDF: 11.6/22

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

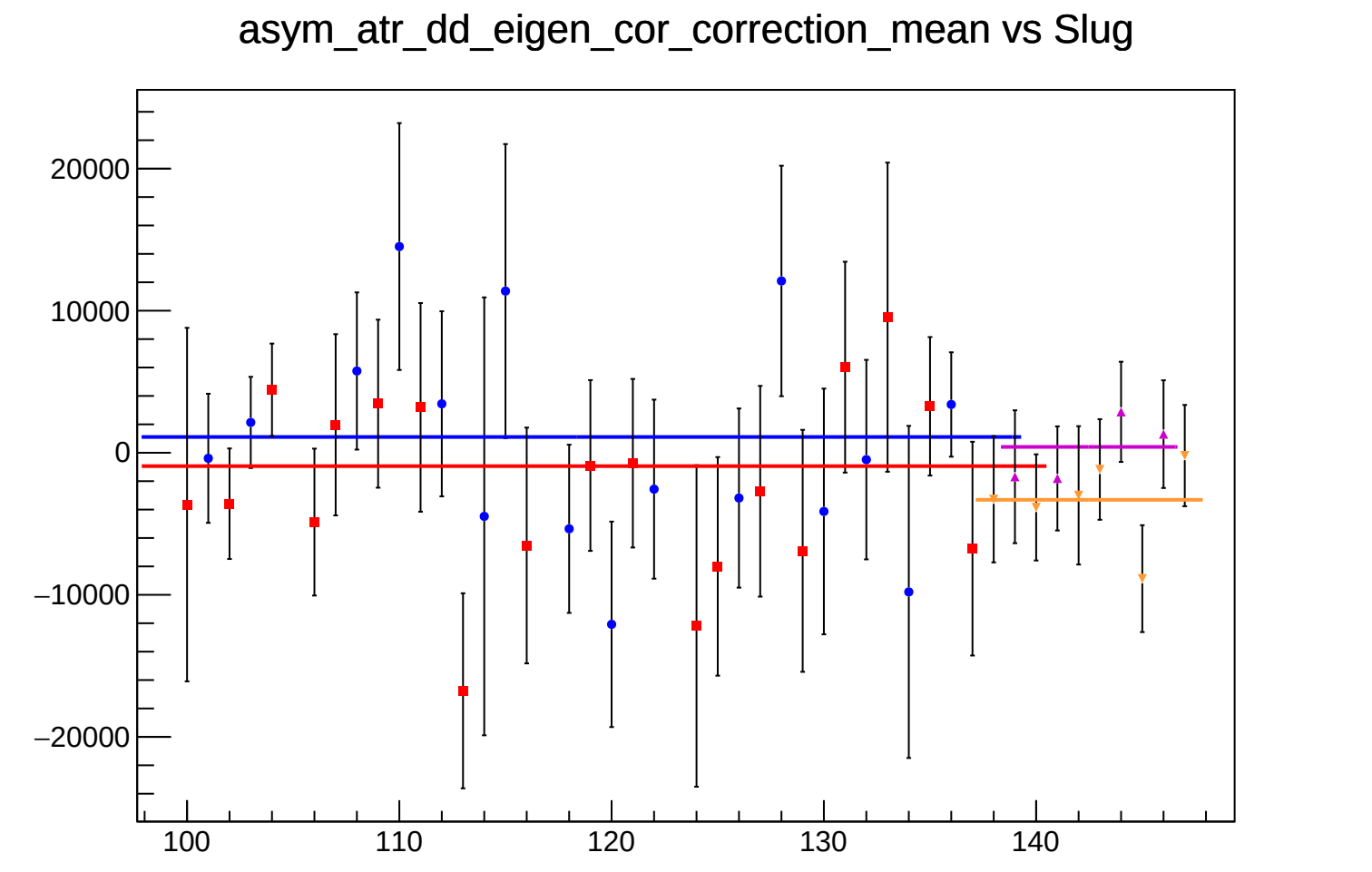
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1893.104+/-0.396 χ^2/NDF: 705599.0/21

All: 1886.938+/-0.284 χ^2/NDF: 926352.6/44

- sign 1880.450+/-0.406 χ^2/NDF: 220256.8/22



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

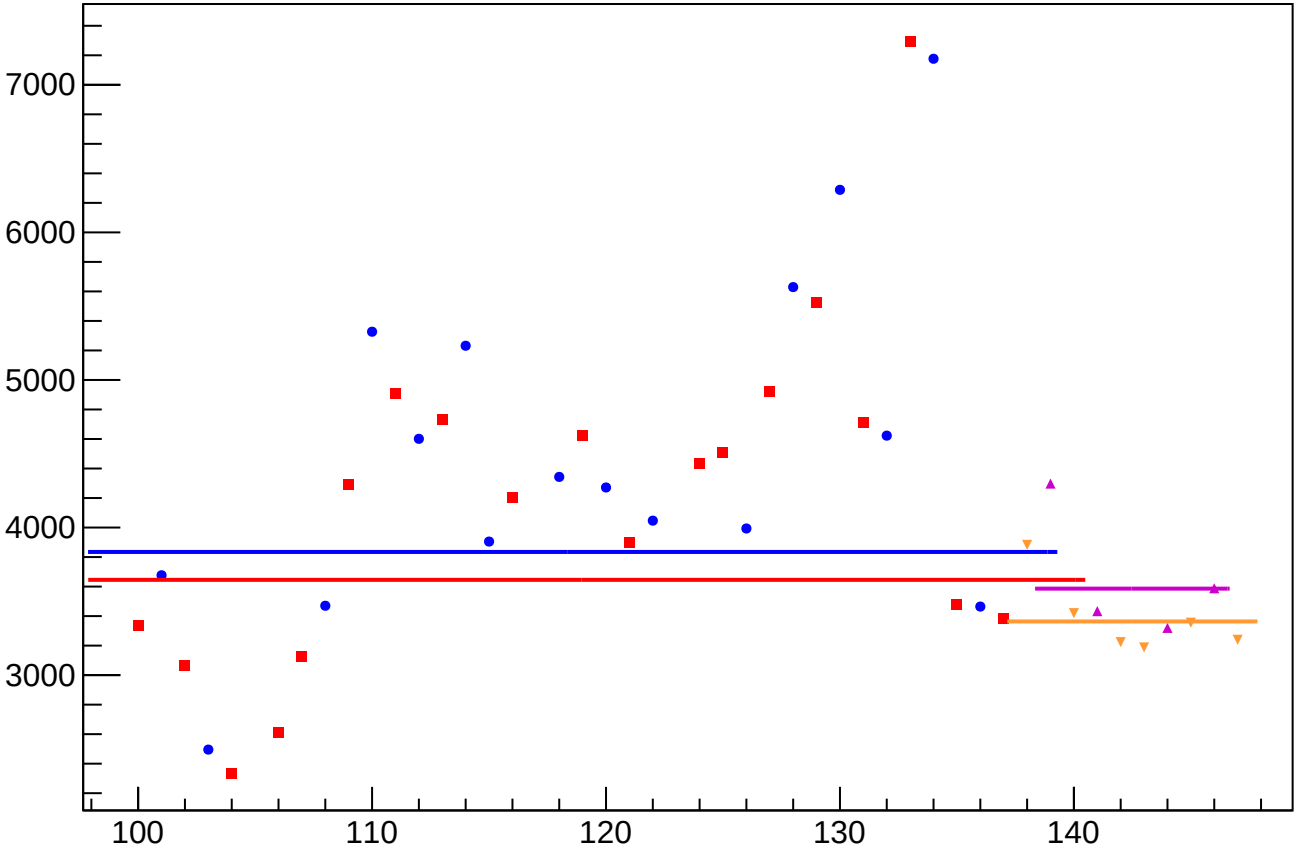
Left In: 411.370+/-1923.771 χ^2/NDF:1.1/3

+ sign -935.534+/-1084.391 χ^2/NDF: 20.8/21

All: -714.092+/-782.887 χ^2/NDF: 38.5/44

- sign -473.014+/-1131.448 χ^2/NDF: 17.6/22

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

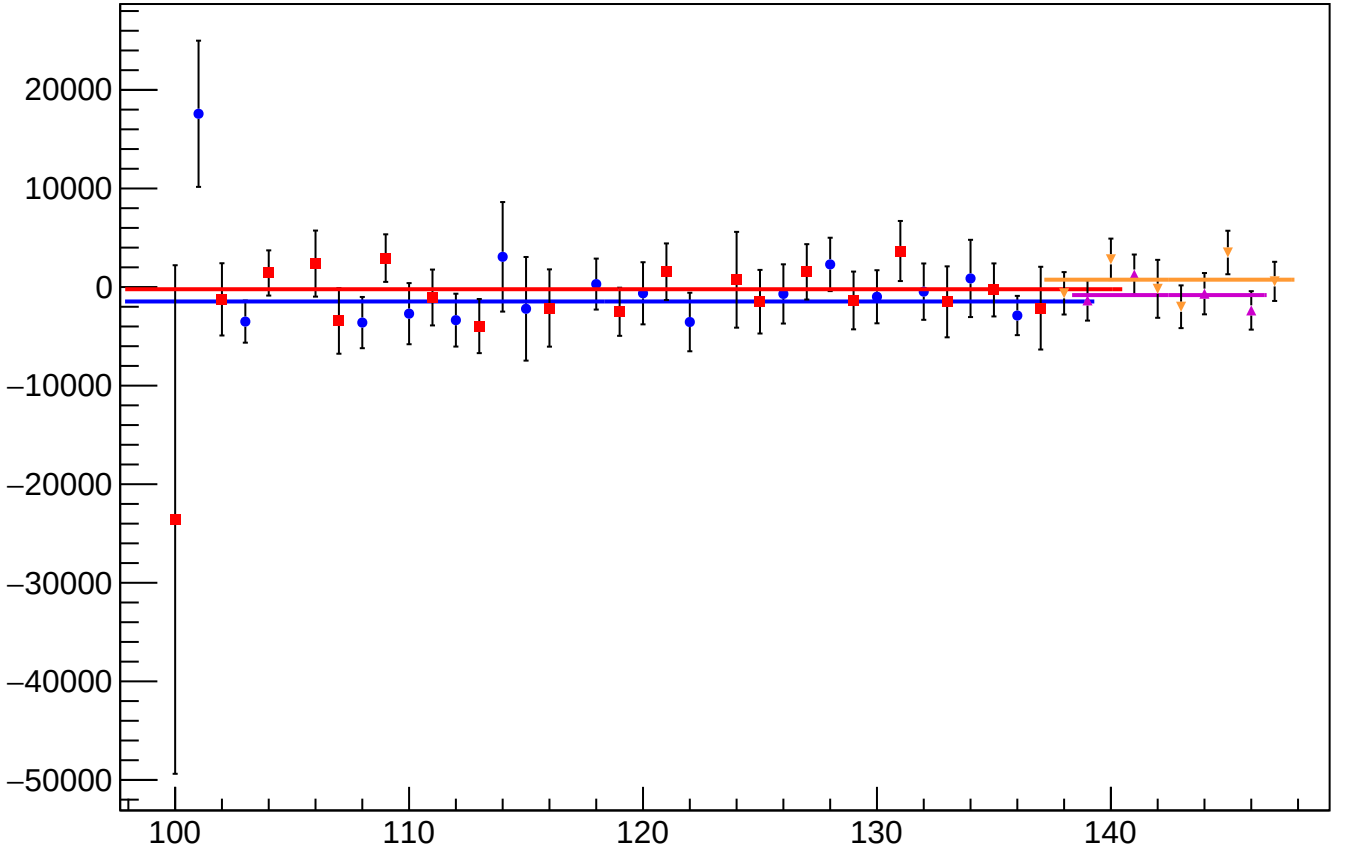
Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

+ sign 3616.681+/-0.767 χ^2/NDF: 1086916.0/21

All: 3620.686+/-0.554 χ^2/NDF: 2274405.4/44

- sign 3625.047+/-0.800 χ^2/NDF: 1187432.4/22

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.577+/-901.672 χ^2/NDF:4.7/5

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

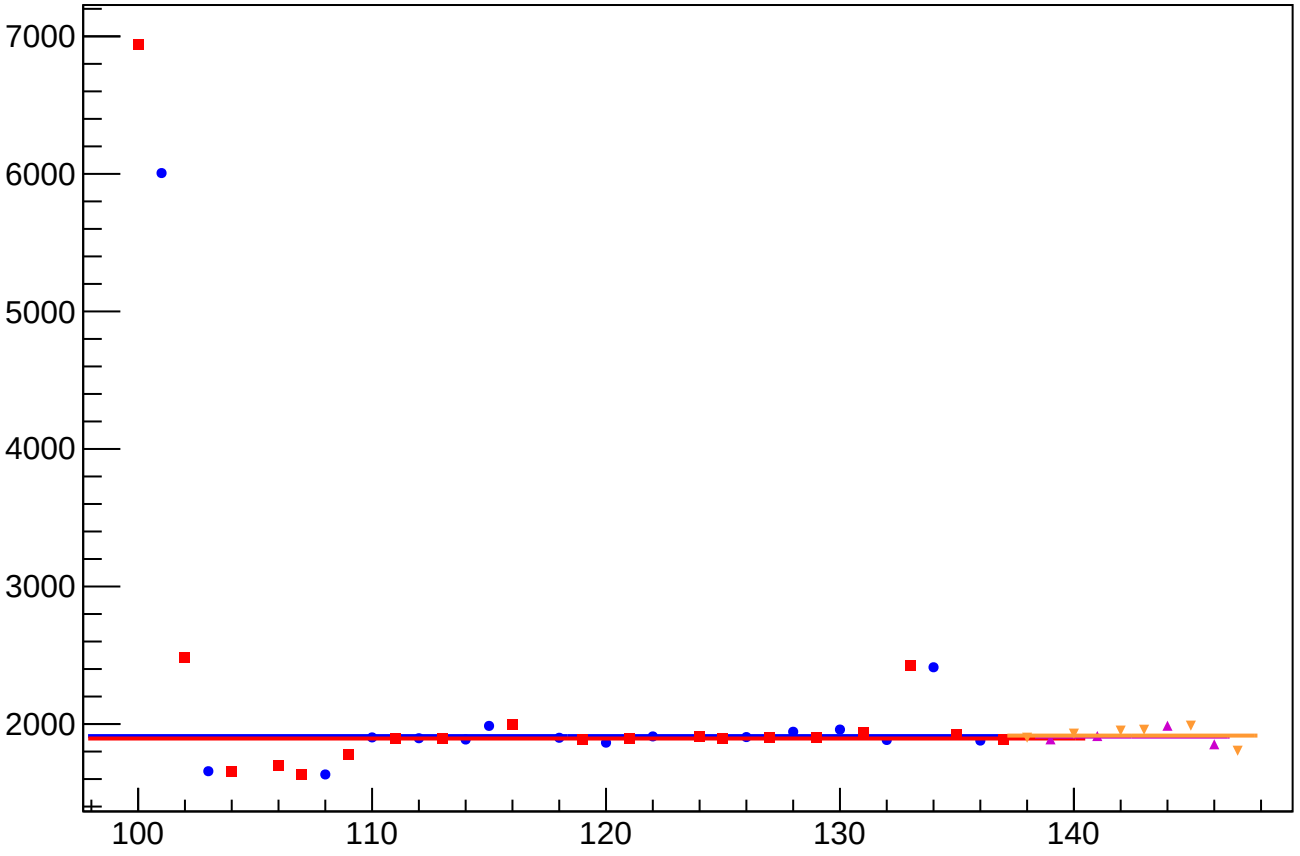
Left In: -814.308+/-1015.467 χ^2/NDF:1.8/3

+ sign -590.029+/-566.554 χ^2/NDF: 21.9/21

All: -504.525+/-405.708 χ^2/NDF: 34.7/44

- sign -414.530+/-581.245 χ^2/NDF: 12.8/22

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1916.013+/-0.638 χ^2/NDF:9555.6/5

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

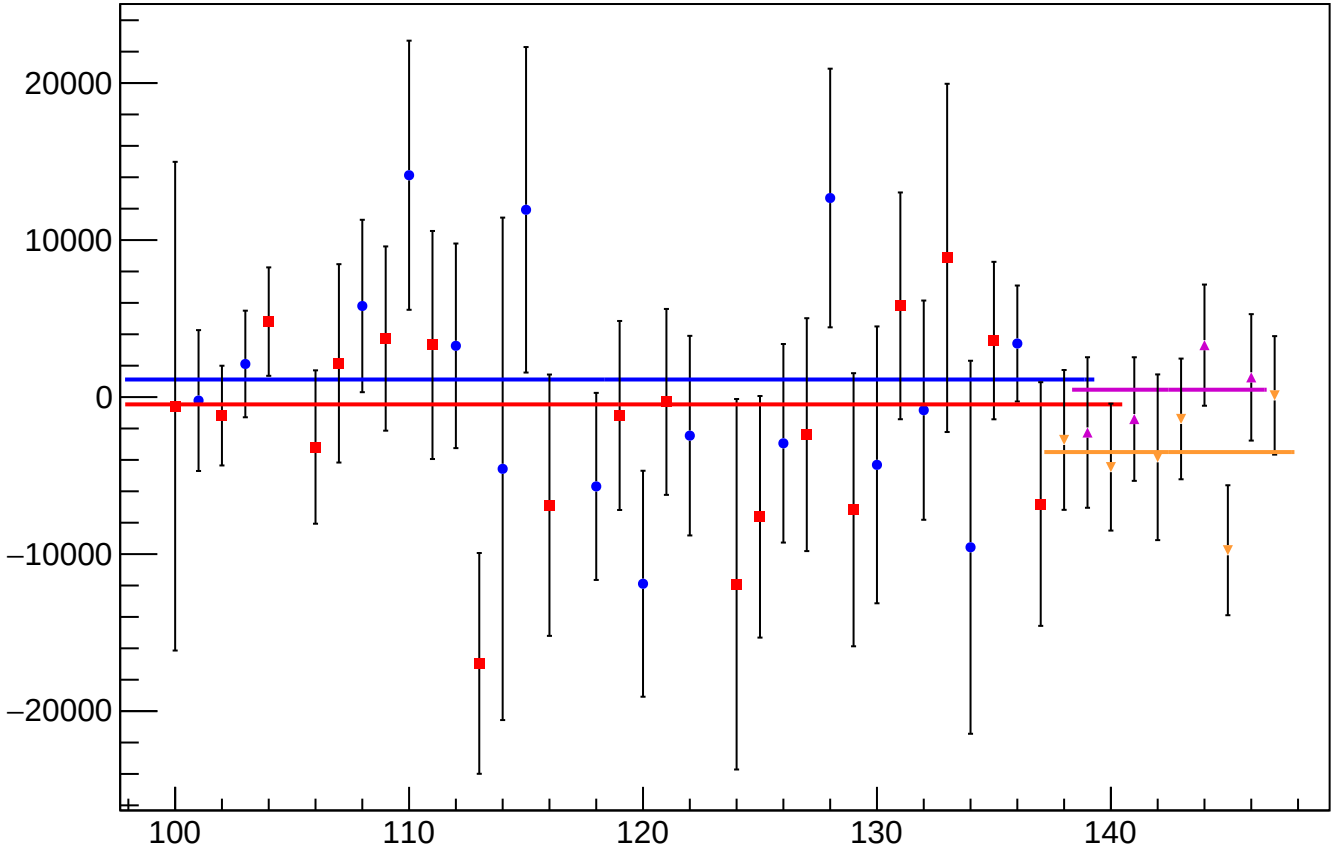
Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

+ sign 1913.813+/-0.401 χ^2/NDF: 705795.5/21

All: 1906.691+/-0.287 χ^2/NDF: 931155.5/44

- sign 1899.206+/-0.411 χ^2/NDF: 224711.8/22

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3501.079+/-1705.232 χ^2/NDF:3.6/5

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

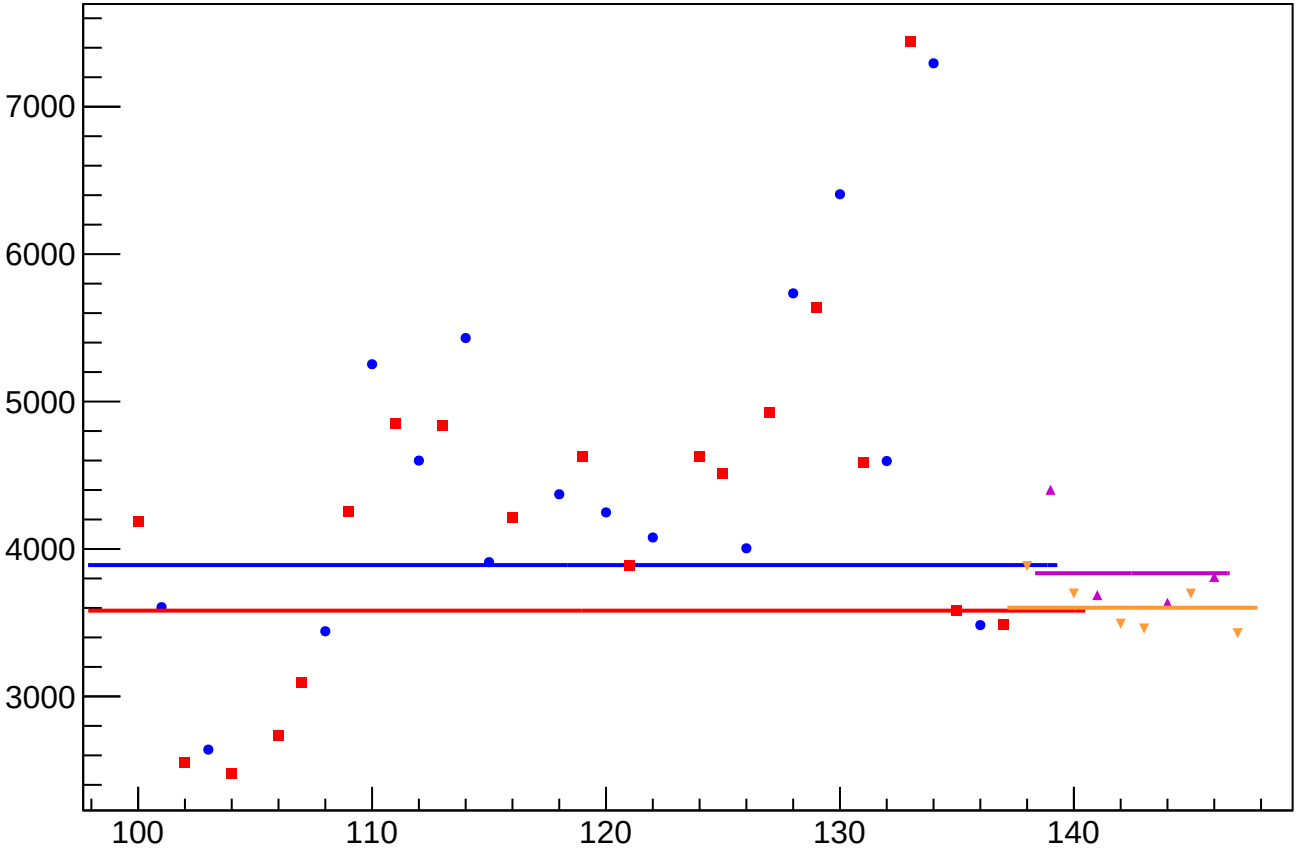
Left In: 469.489+/-2054.471 χ^2/NDF:1.1/3

\+ sign -892.228+/-1125.281 χ^2/NDF: 21.2/21

All: -539.198+/-800.948 χ^2/NDF: 37.7/44

\- sign -176.687+/-1140.290 χ^2/NDF: 16.3/22

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3601.783+/-1.206 χ^2/NDF:17968.8/5

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

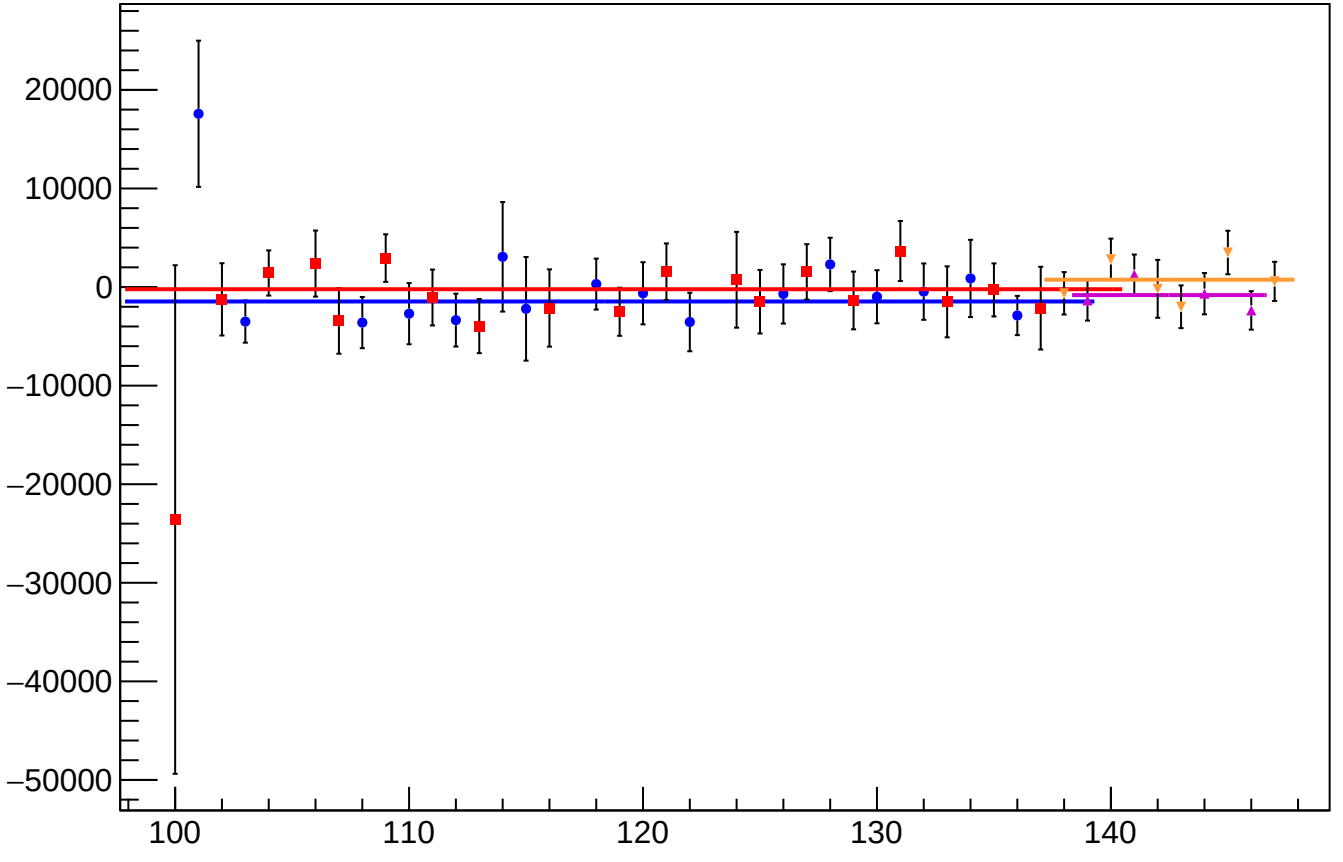
Left In: 3835.688+/-1.453 χ^2/NDF:36220.7/3

+ sign 3764.891+/-0.796 χ^2/NDF: 928800.2/21

All: 3713.139+/-0.566 χ^2/NDF: 2216587.4/44

- sign 3659.998+/-0.806 χ^2/NDF: 1279213.4/22

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.576+/-901.672 χ^2/NDF:4.7/5

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

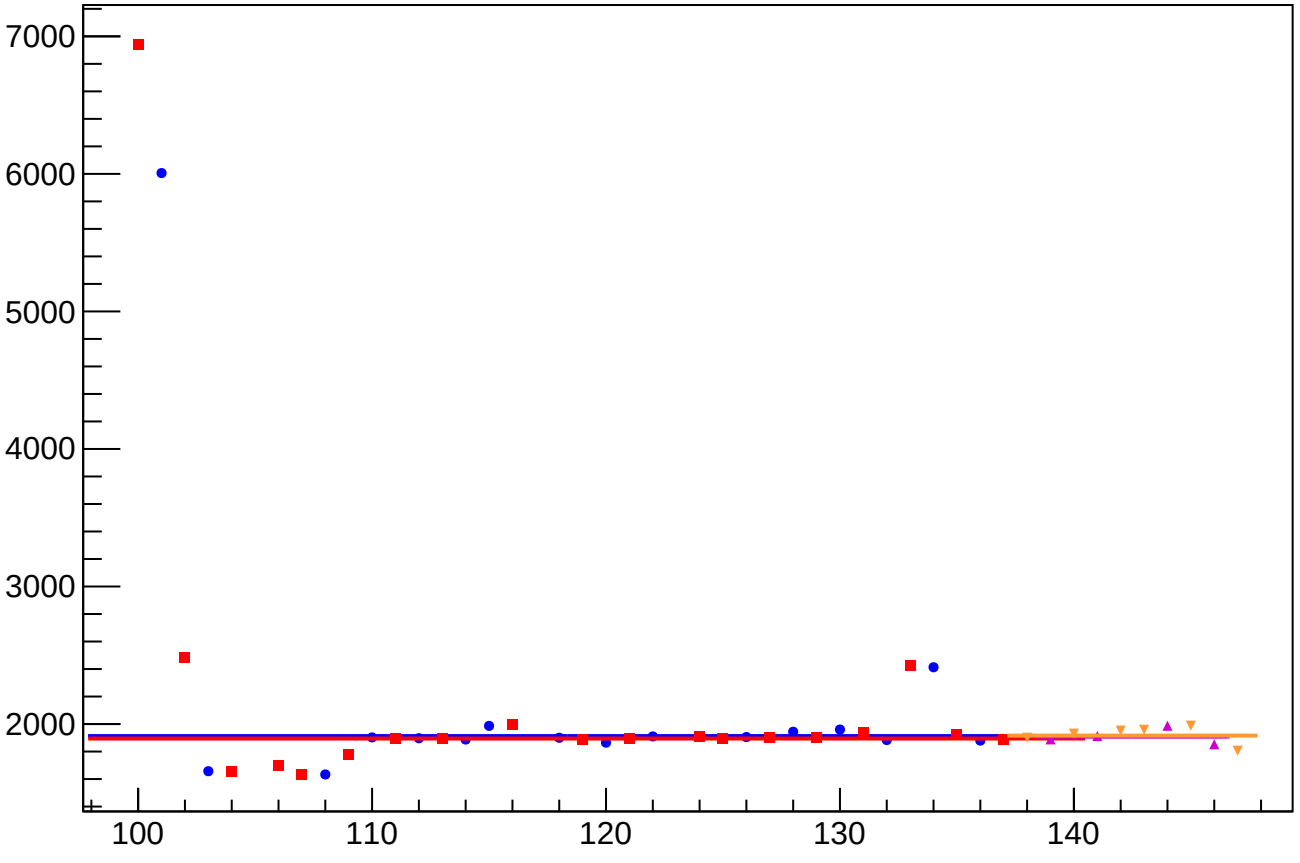
Left In: -814.315+/-1015.467 χ^2/NDF:1.8/3

+ sign -590.033+/-566.554 χ^2/NDF: 21.9/21

All: -504.526+/-405.709 χ^2/NDF: 34.7/44

- sign -414.528+/-581.245 χ^2/NDF: 12.8/22

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1916.014+/-0.638 χ^2/NDF:9555.6/5

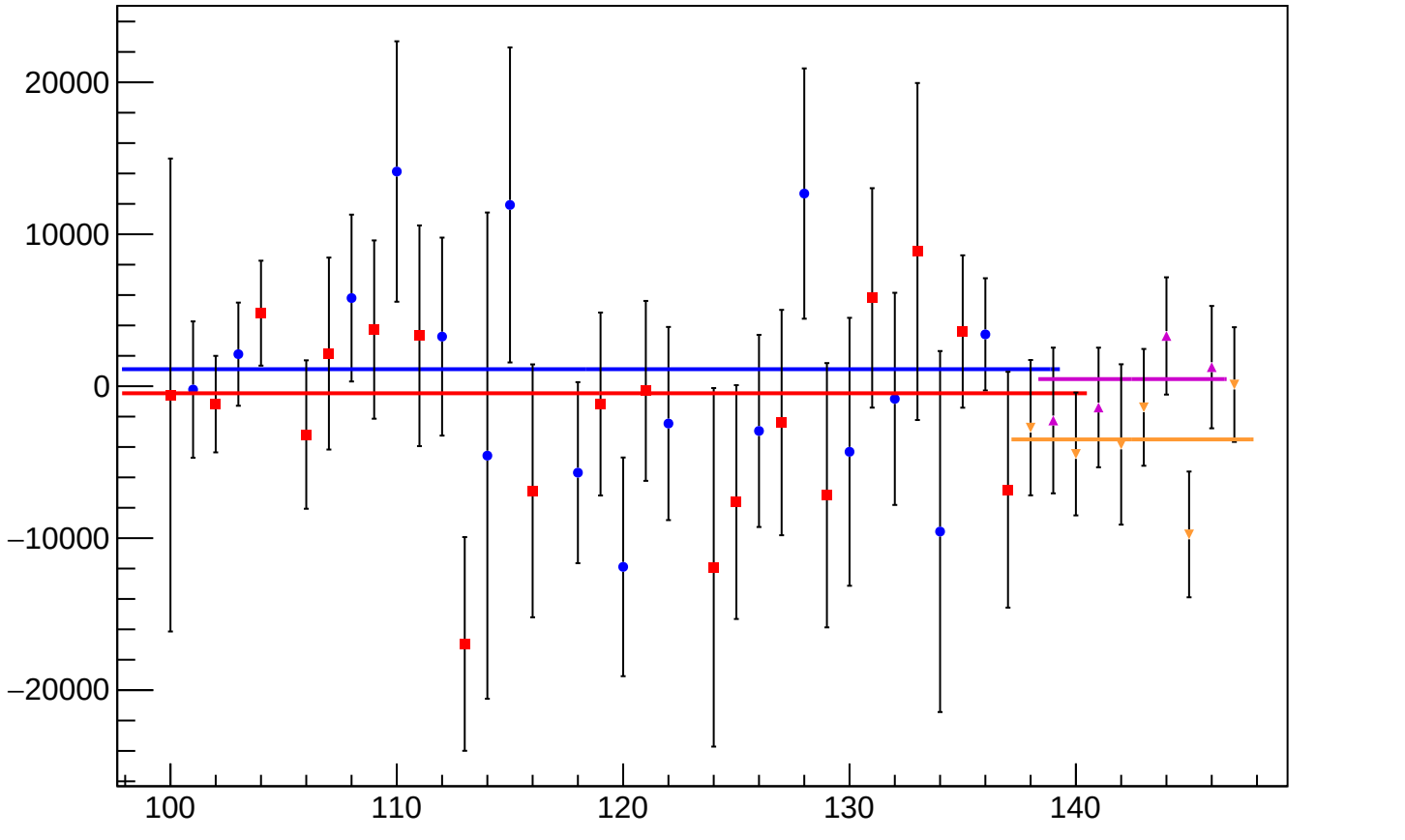
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

+ sign 1913.814+/-0.401 χ^2/NDF: 705795.5/21

All: 1906.692+/-0.287 χ^2/NDF: 931155.4/44

- sign 1899.206+/-0.411 χ^2/NDF: 224711.7/22



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3501.082+/-1705.235 χ^2/NDF:3.6/5

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

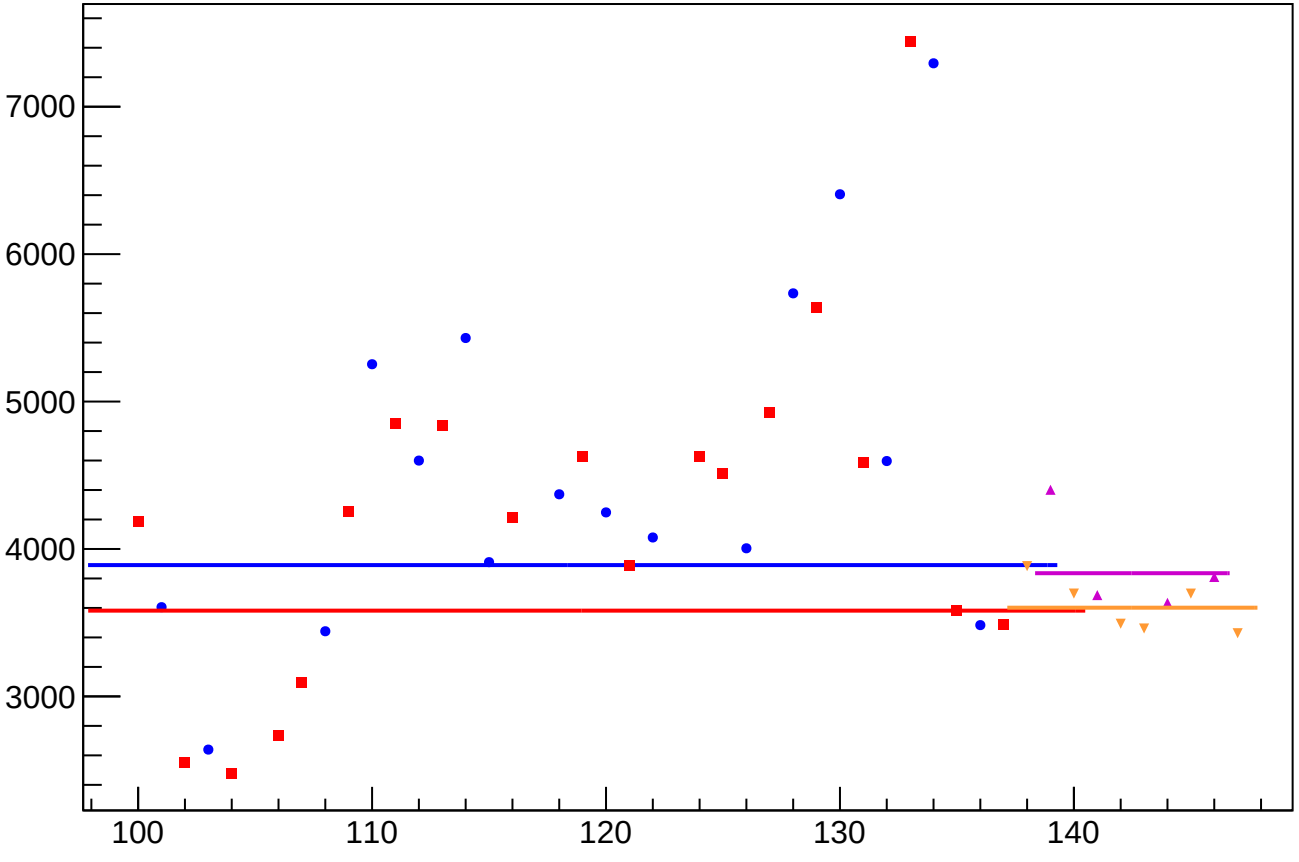
Left In: 469.481+/-2054.473 χ^2/NDF:1.1/3

+ sign -892.232+/-1125.281 χ^2/NDF: 21.2/21

All: -539.201+/-800.947 χ^2/NDF: 37.7/44

- sign -176.690+/-1140.289 χ^2/NDF: 16.3/22

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3601.788+/-1.206 χ^2/NDF:17968.7/5

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

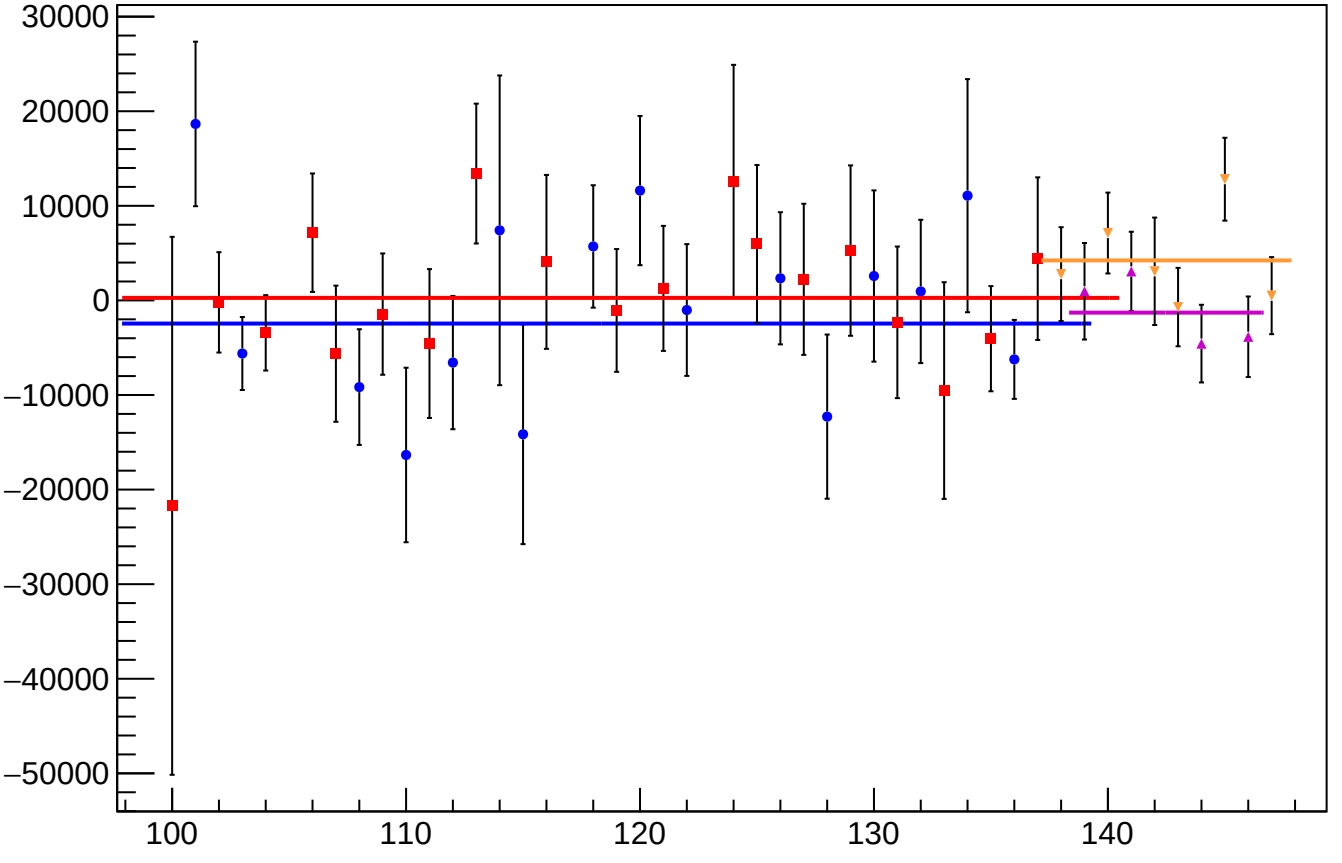
Left In: 3835.691+/-1.453 χ^2/NDF:36221.6/3

+ sign 3764.892+/-0.796 χ^2/NDF: 928789.5/21

All: 3713.139+/-0.566 χ^2/NDF: 2216570.4/44

- sign 3659.997+/-0.806 χ^2/NDF: 1279206.7/22

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 4227.940+/-1835.088 χ^2/NDF:6.7/5

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

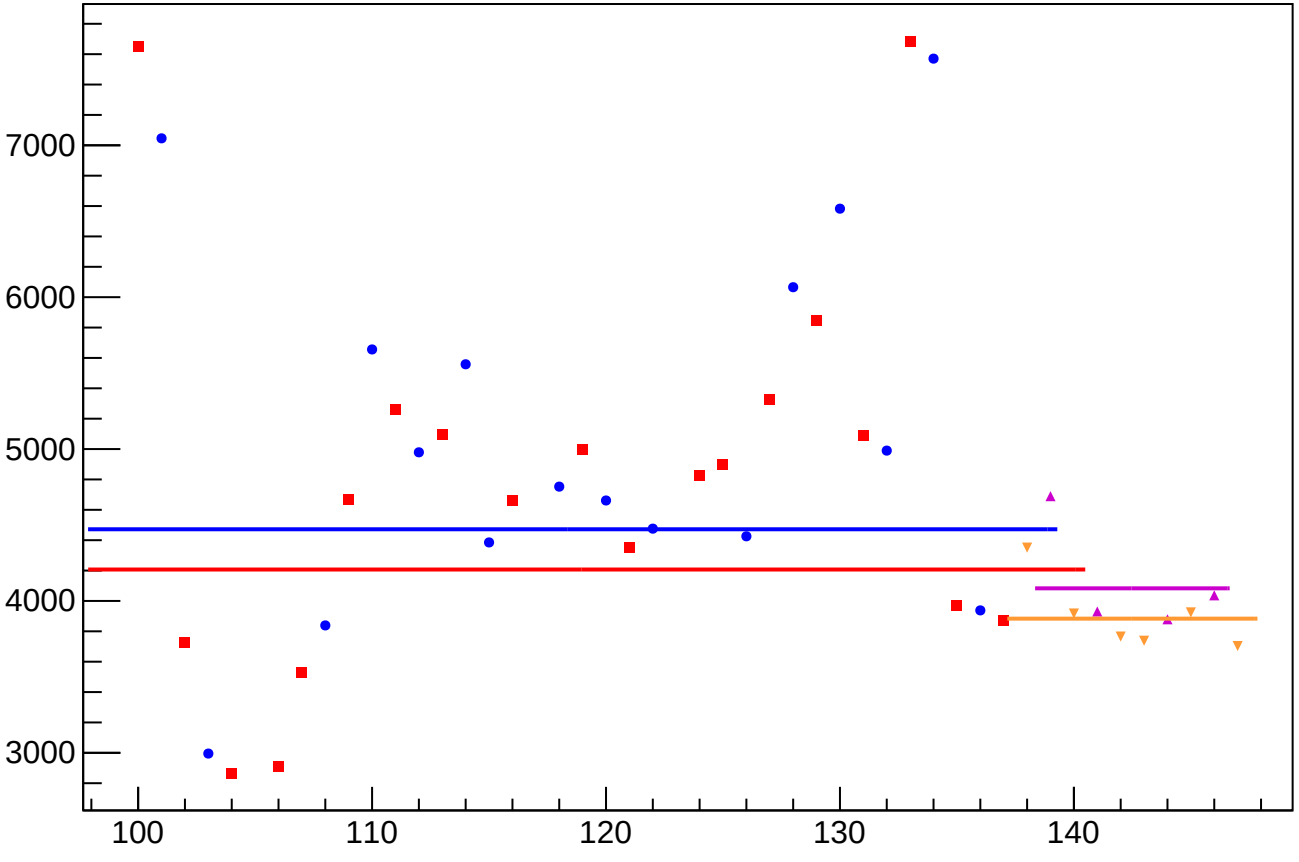
Left In: -1290.932+/-2182.706 χ^2/NDF:2.3/3

+ sign 673.346+/-1254.820 χ^2/NDF: 34.6/21

All: 210.369+/-903.573 χ^2/NDF: 48.2/44

- sign -288.222+/-1302.187 χ^2/NDF: 13.3/22

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3883.486+/-1.298 χ^2/NDF:25319.2/5

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

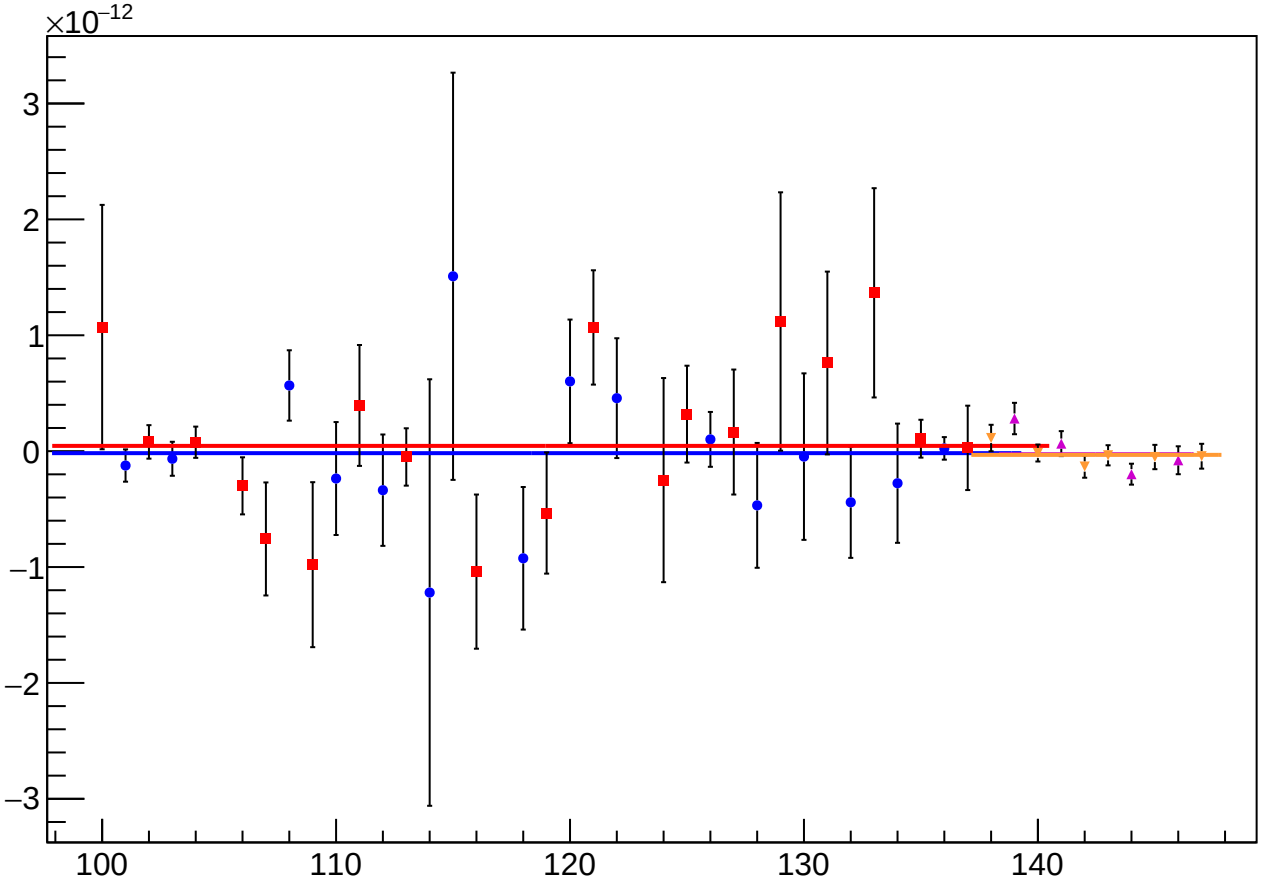
Left In: 4083.030+/-1.543 χ^2/NDF:36110.9/3

+ sign 4196.776+/-0.887 χ^2/NDF: 1026481.2/21

All: 4180.560+/-0.637 χ^2/NDF: 1913980.6/44

- sign 4163.280+/-0.916 χ^2/NDF: 886809.4/22

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:2.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

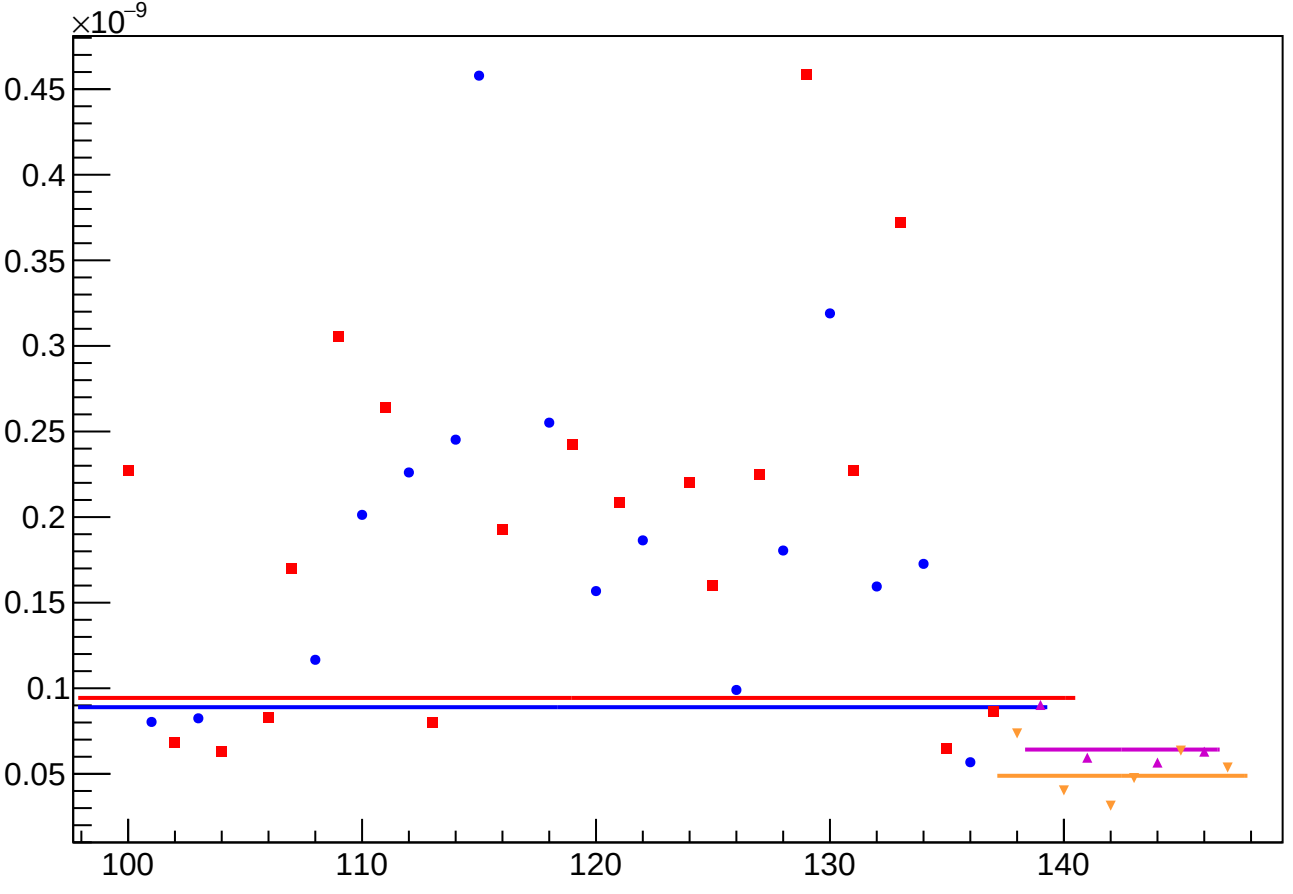
Left In: -0.000+/-0.000 χ^2/NDF:9.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.6/21

All: -0.000+/-0.000 χ^2/NDF: 47.5/44

- sign 0.000+/-0.000 χ^2/NDF: 31.6/22

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:230749.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

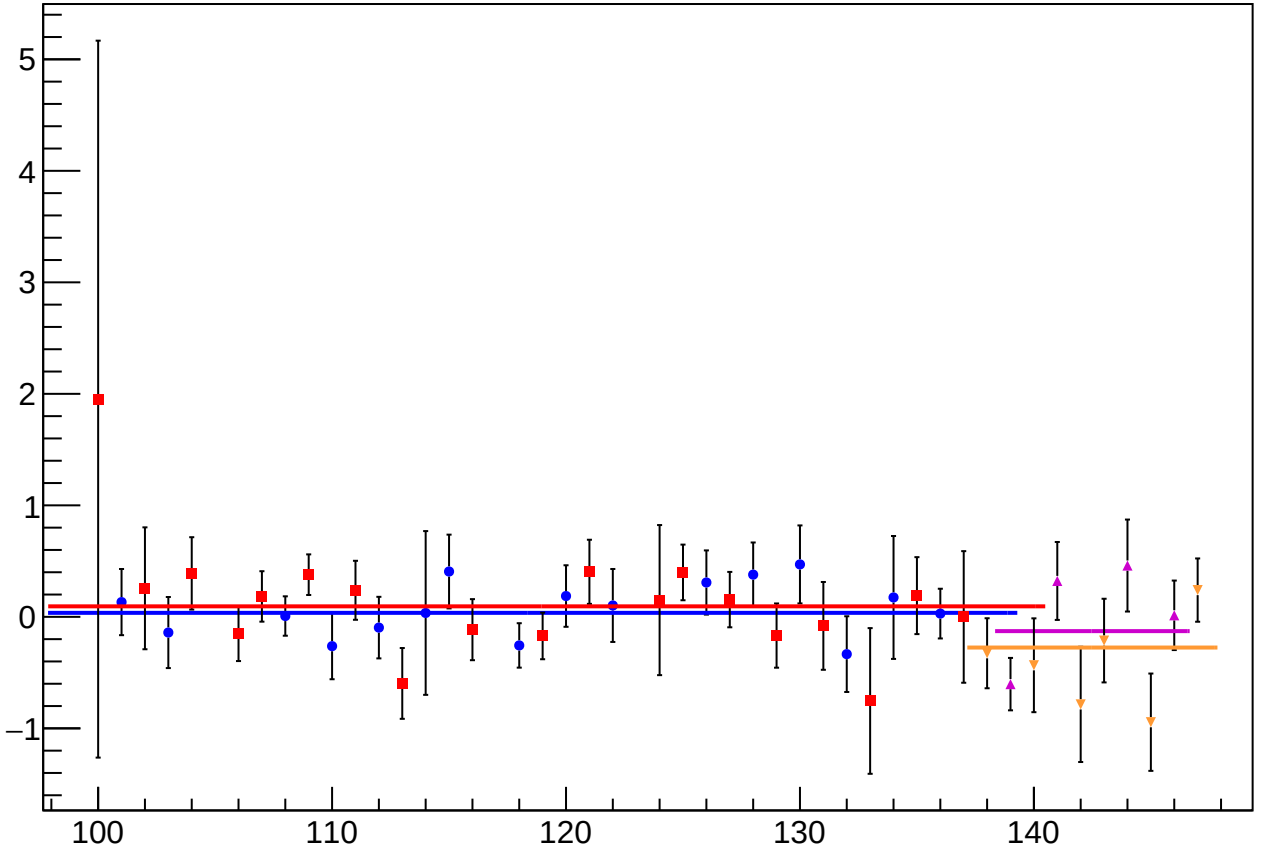
Left In: 0.000+/-0.000 χ^2/NDF:92222.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2073166.6/21

All: 0.000+/-0.000 χ^2/NDF: 4275416.5/44

- sign 0.000+/-0.000 χ^2/NDF: 2025196.3/22

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

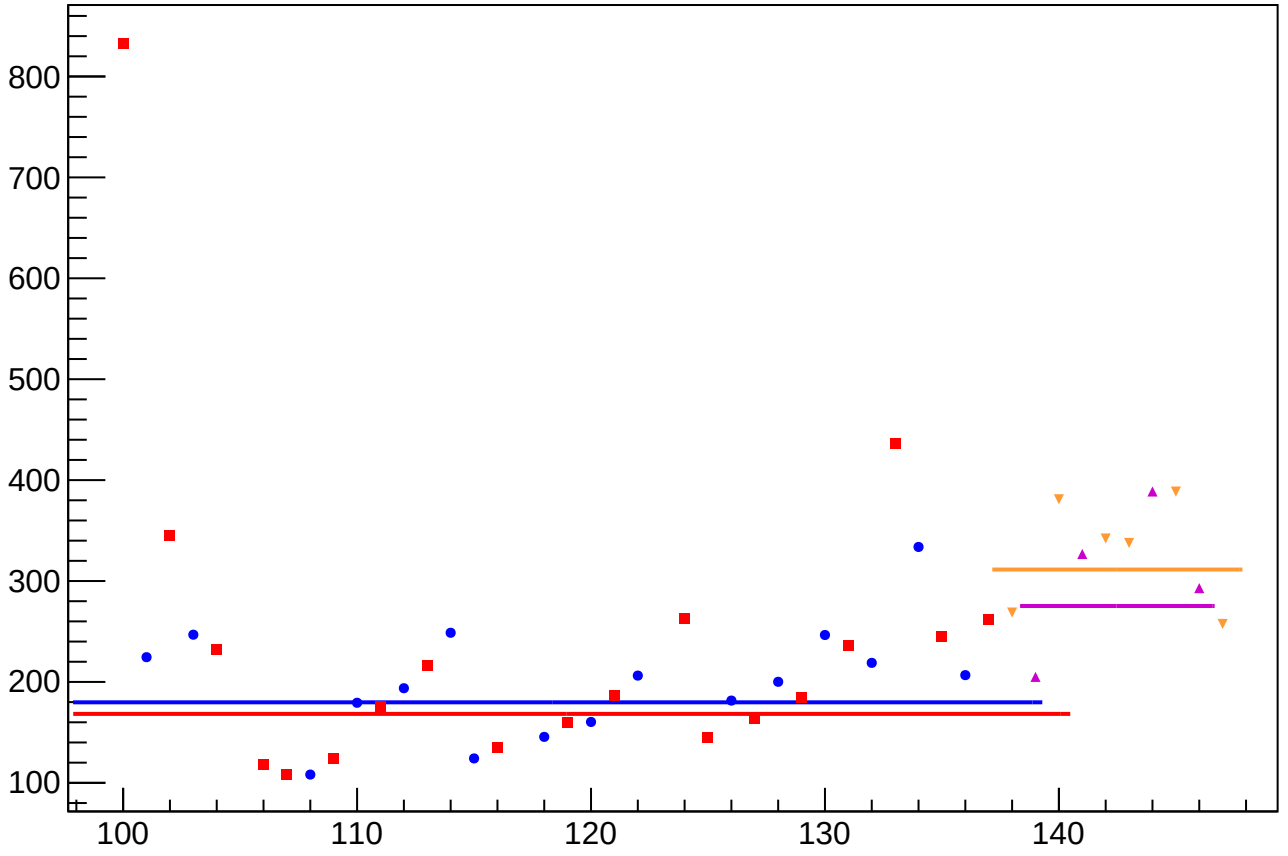
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.020+/-0.044 χ^2/NDF: 49.0/44

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

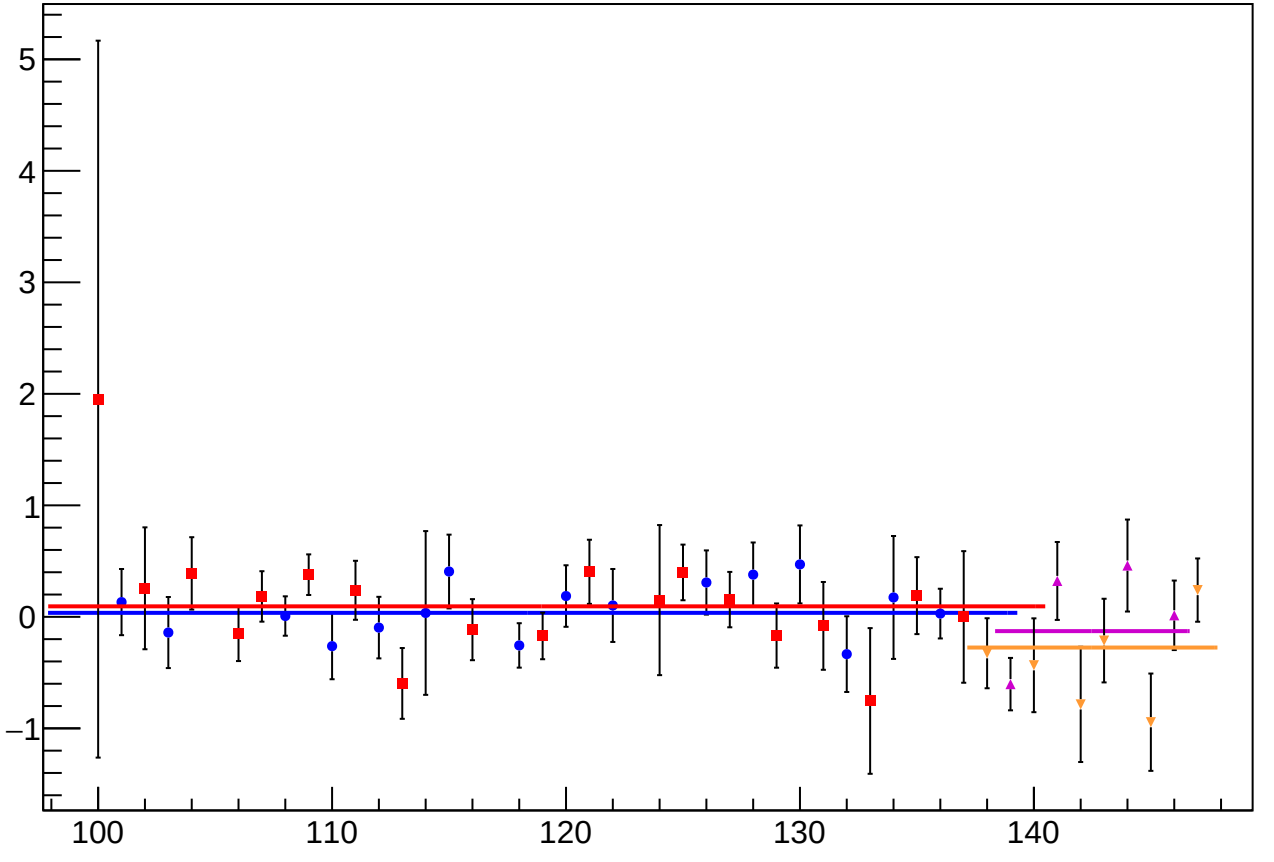
Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

+ sign 203.585+/-0.045 χ^2/NDF: 2418628.4/21

All: 194.372+/-0.031 χ^2/NDF: 5101543.8/44

- sign 185.724+/-0.044 χ^2/NDF: 2602268.2/22

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: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

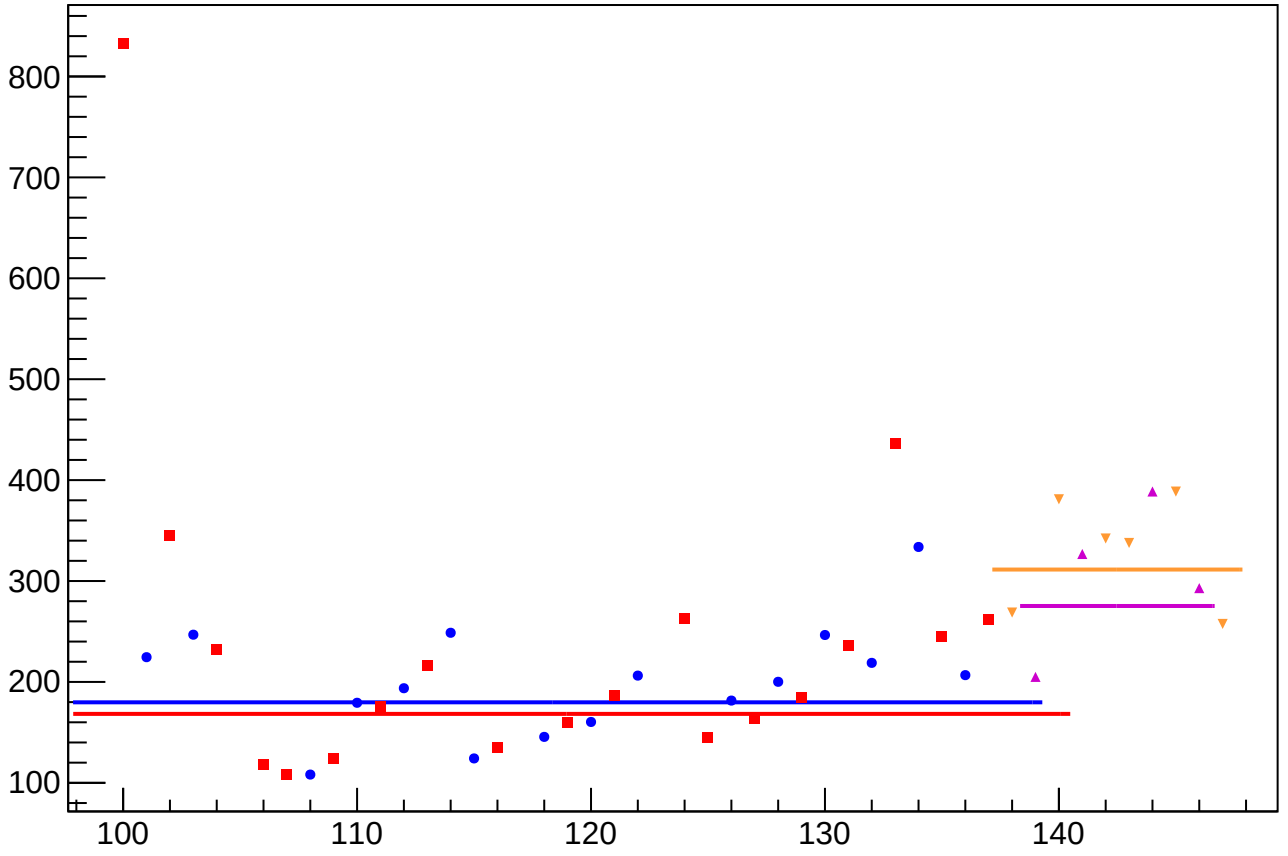
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.020+/-0.044 χ^2/NDF: 49.0/44

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

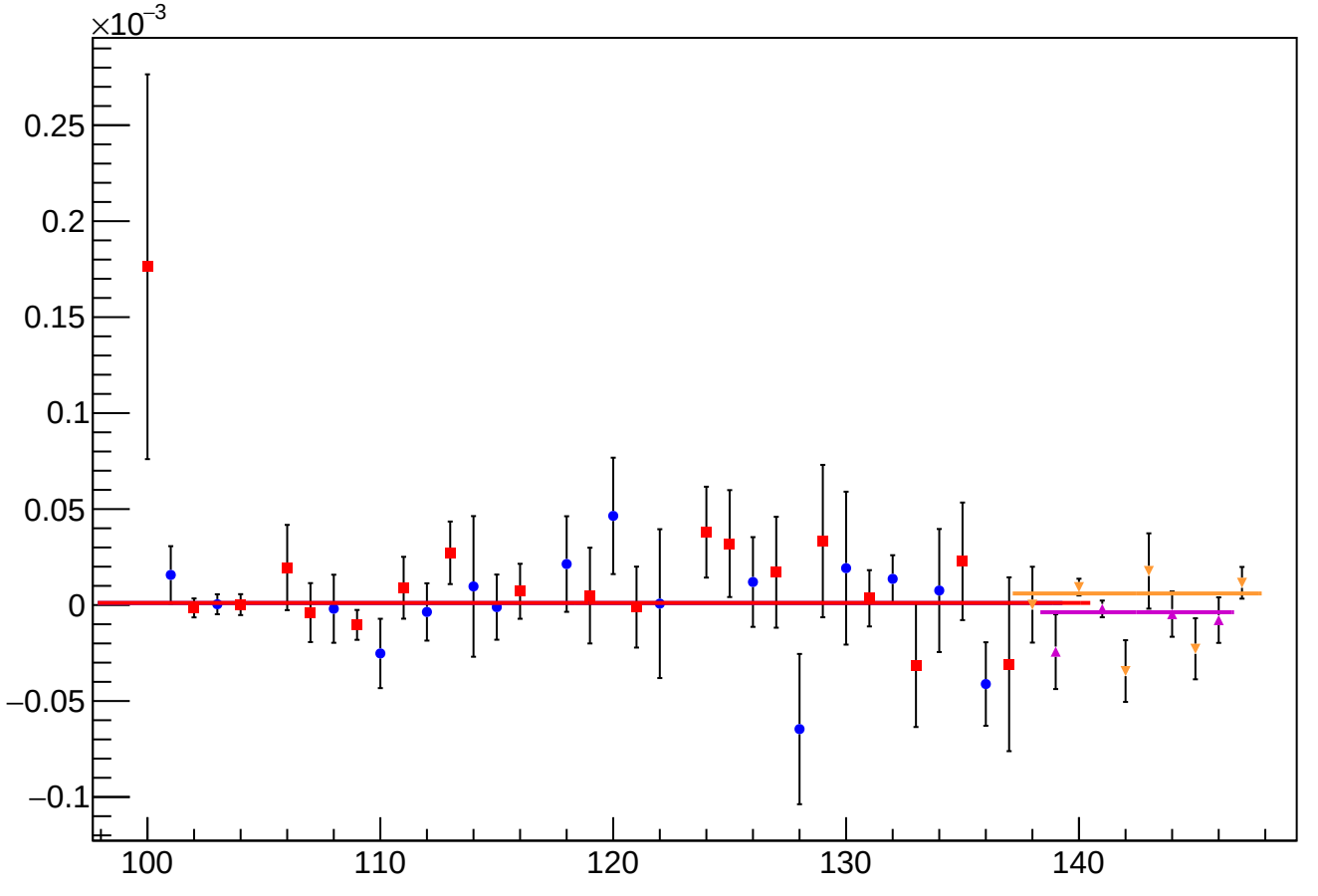
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

+ sign 203.585+/-0.045 χ^2/NDF: 2418628.4/21

All: 194.372+/-0.031 χ^2/NDF: 5101543.8/44

- sign 185.724+/-0.044 χ^2/NDF: 2602268.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

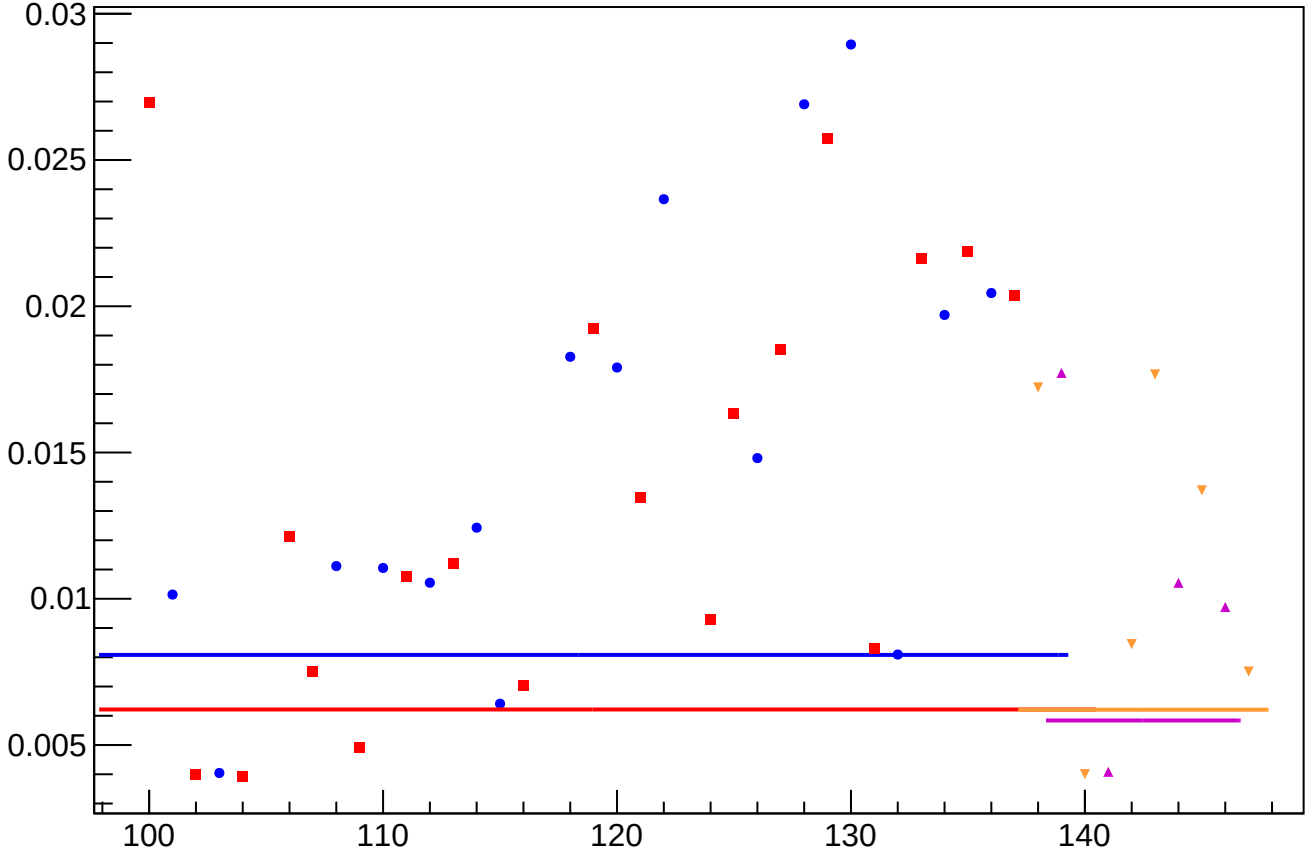
Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/21

All: 0.000+/-0.000 χ^2/NDF: 46.3/44

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2348935.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

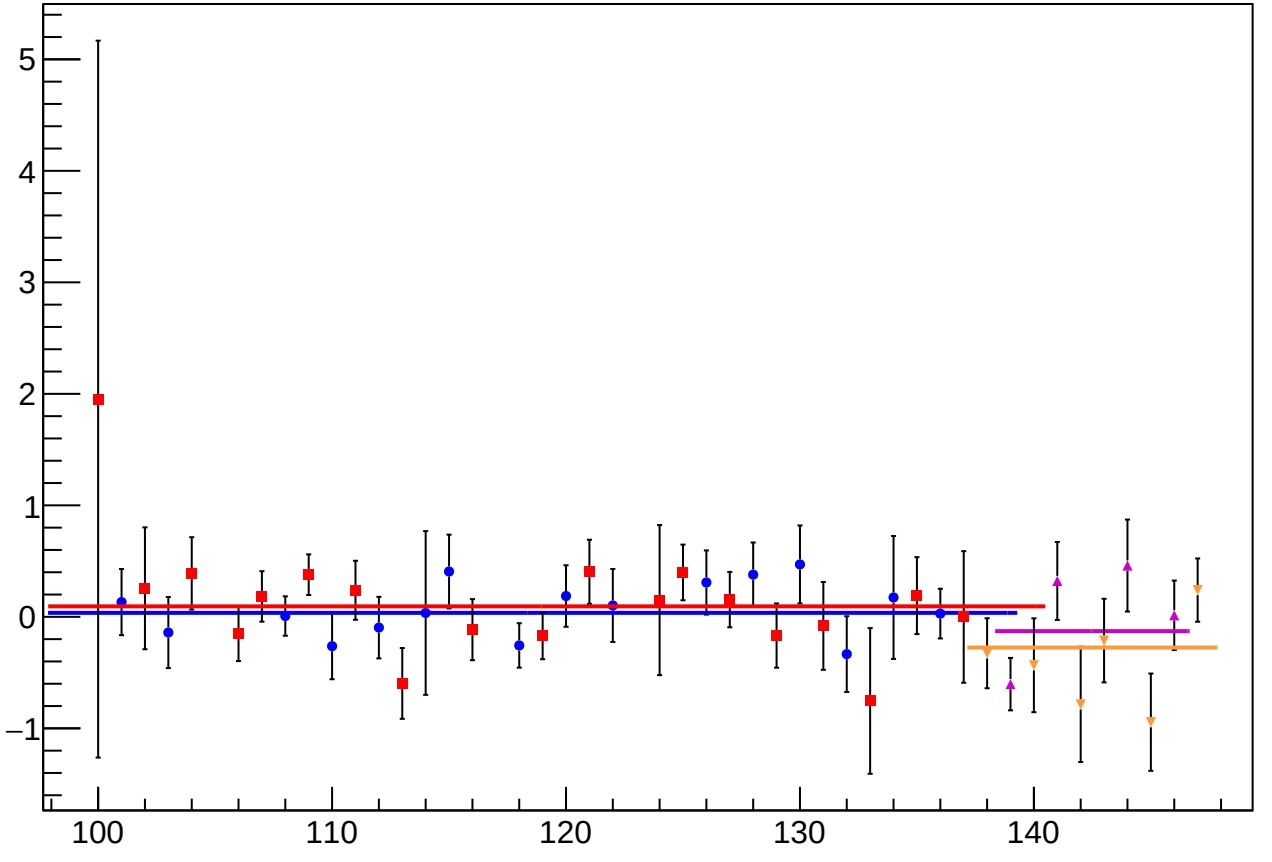
Left In: 0.006+/-0.000 χ^2/NDF:1601554.9/3

+ sign 0.007+/-0.000 χ^2/NDF: 7029882.7/21

All: 0.007+/-0.000 χ^2/NDF: 13382208.7/44

- sign 0.006+/-0.000 χ^2/NDF: 6175224.2/22

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: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

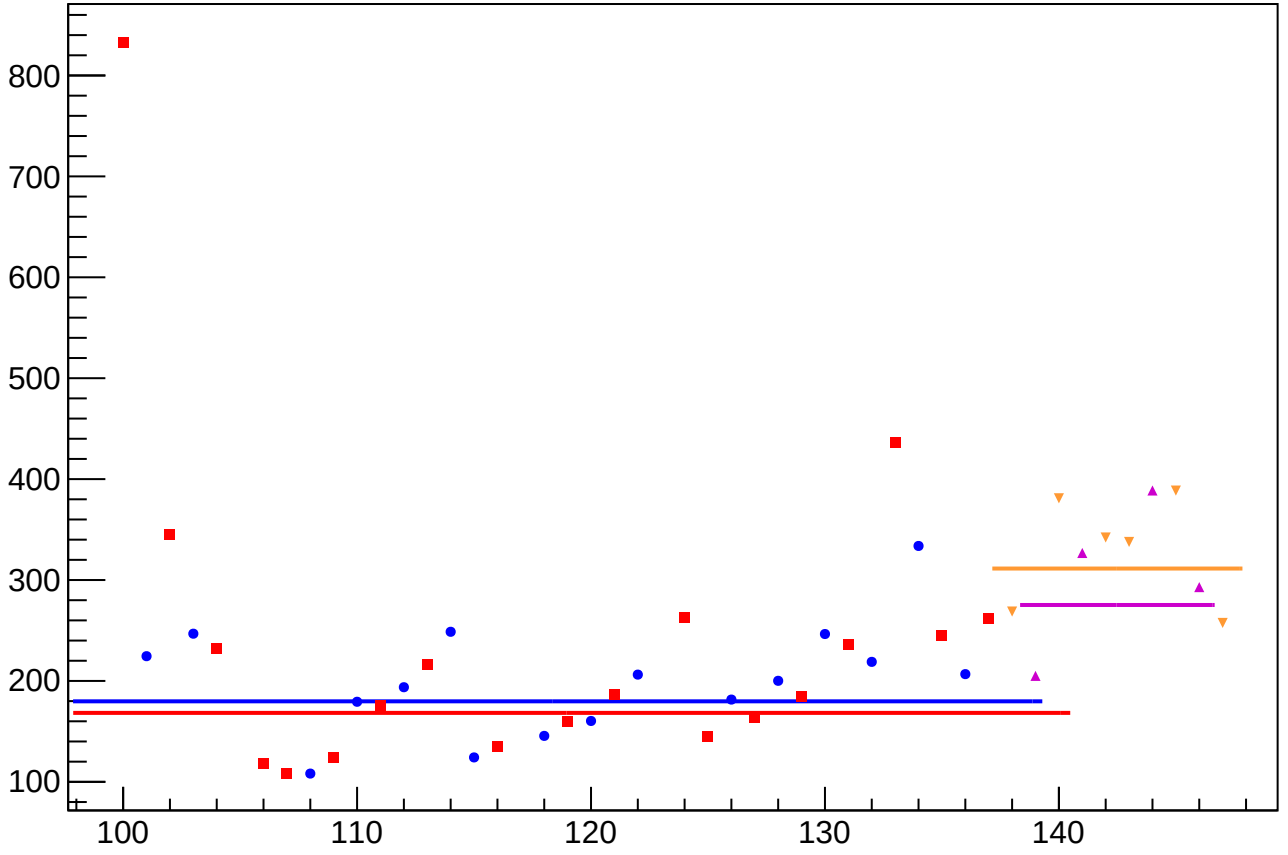
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.020+/-0.044 χ^2/NDF: 49.0/44

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

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: 311.379+/-0.106 χ^2/NDF:243336.9/5

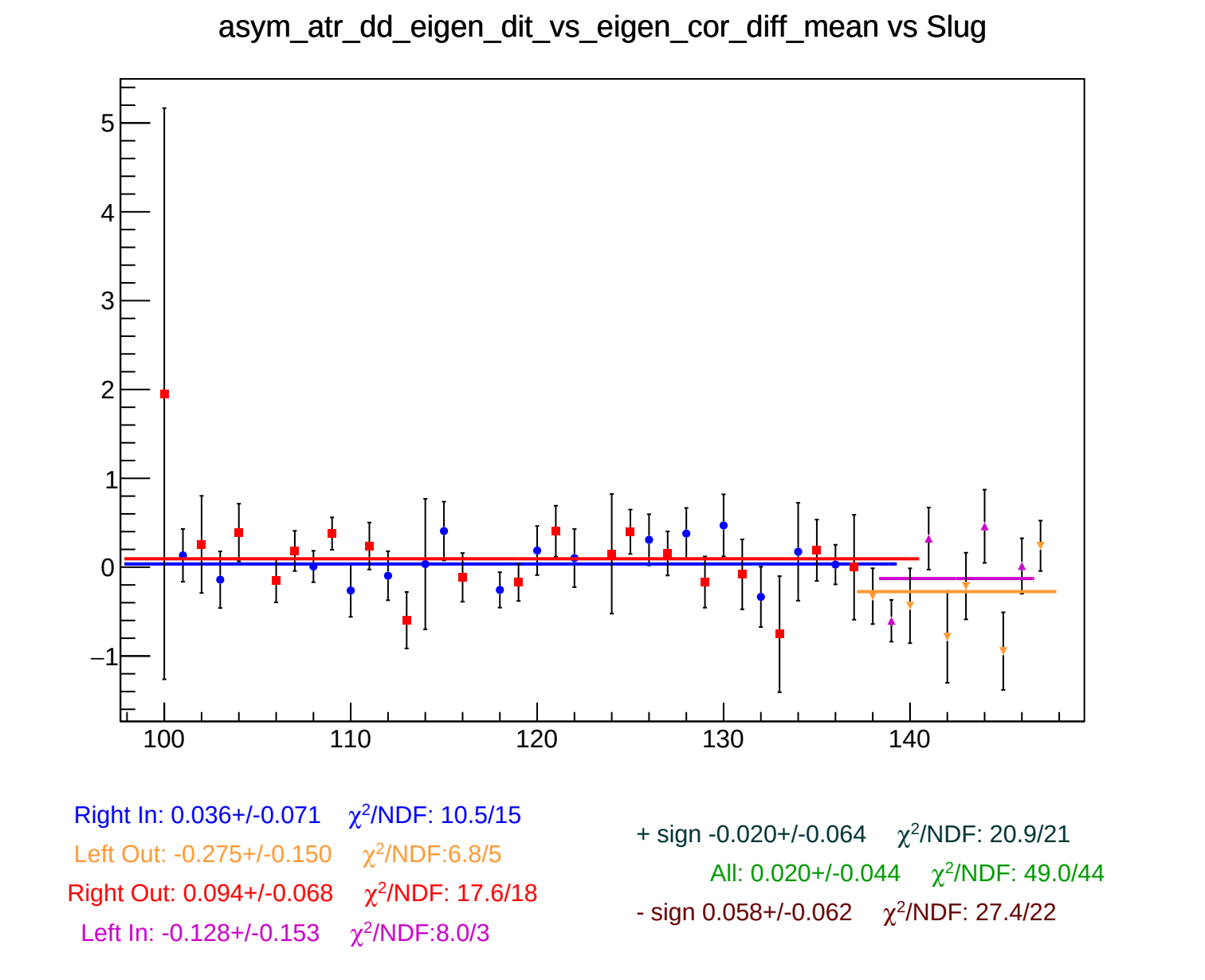
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

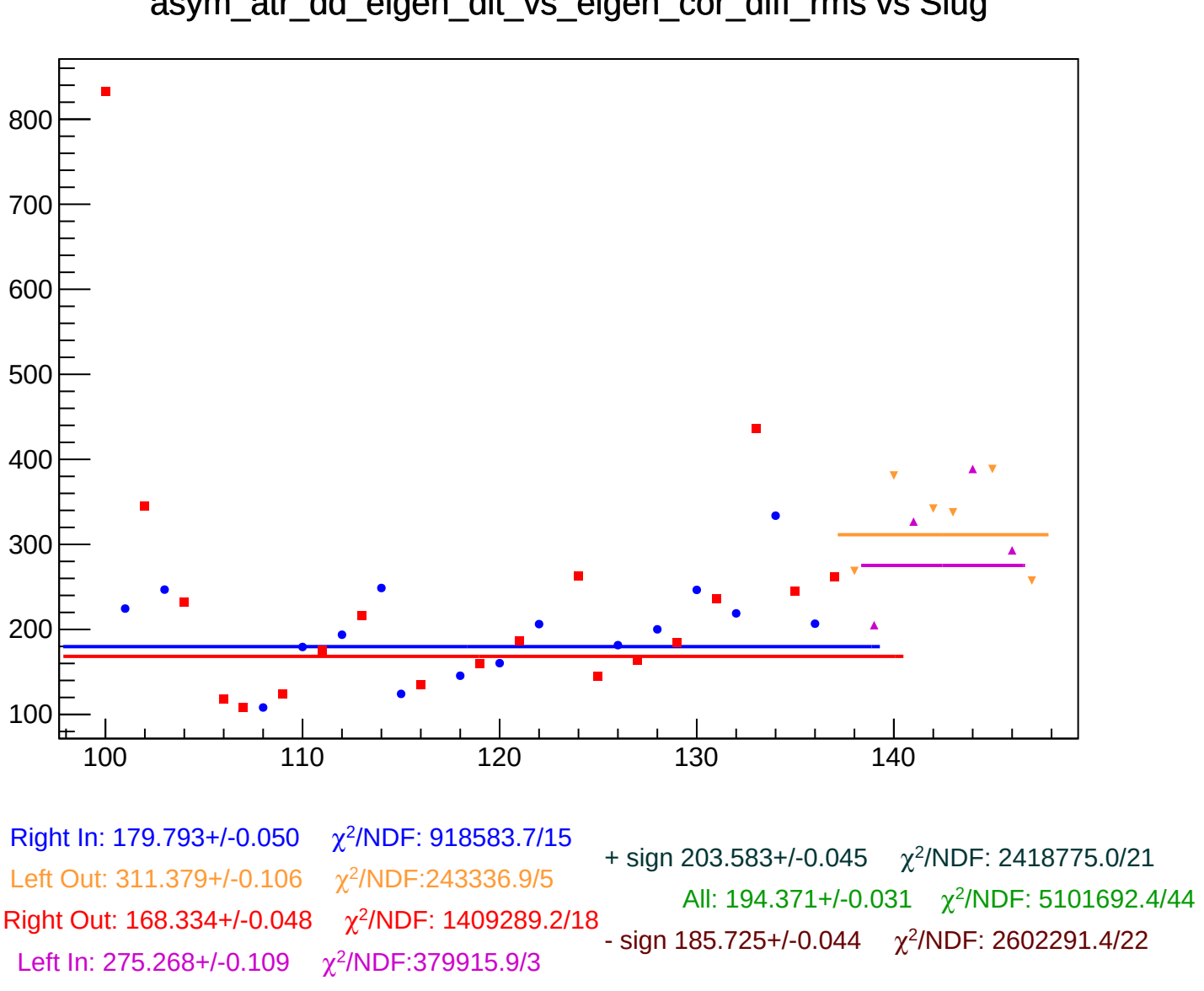
Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

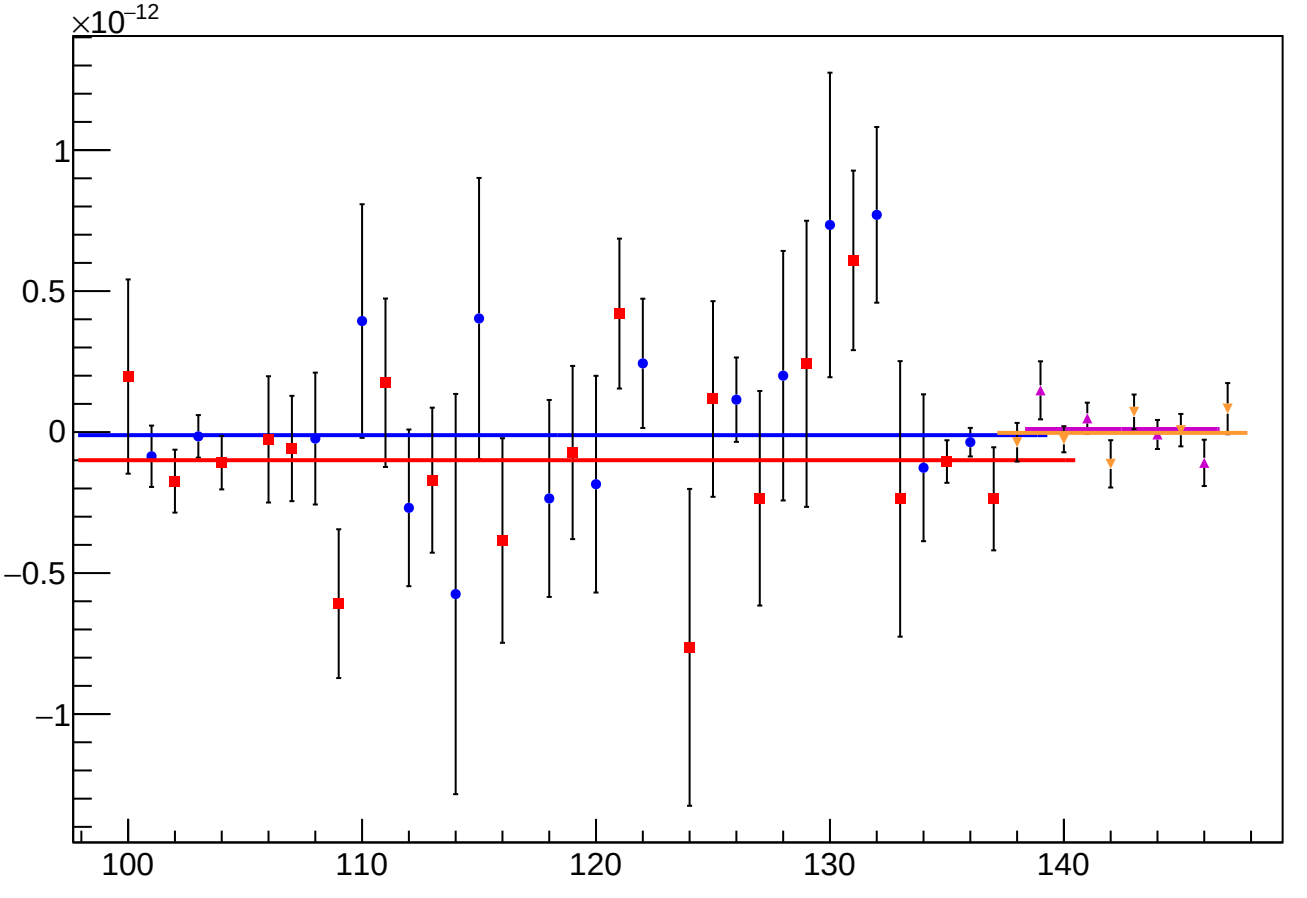
+ sign 203.583+/-0.045 χ^2/NDF: 2418775.0/21

All: 194.371+/-0.031 χ^2/NDF: 5101692.4/44

- sign 185.725+/-0.044 χ^2/NDF: 2602291.4/22


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.275+/-0.150 χ²/NDF:6.8/5
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.128+/-0.153 χ²/NDF:8.0/3
+ sign -0.020+/-0.064 χ²/NDF: 20.9/21
All: 0.020+/-0.044 χ²/NDF: 49.0/44
- sign 0.058+/-0.062 χ²/NDF: 27.4/22


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
800
700
600
500
400
300
200
100
100
110
120
130
140
Right In: 179.793+/-0.050 χ²/NDF: 918583.7/15
Left Out: 311.379+/-0.106 χ²/NDF:243336.9/5
Right Out: 168.334+/-0.048 χ²/NDF: 1409289.2/18
Left In: 275.268+/-0.109 χ²/NDF:379915.9/3
+ sign 203.583+/-0.045 χ²/NDF: 2418775.0/21
All: 194.371+/-0.031 χ²/NDF: 5101692.4/44
- sign 185.725+/-0.044 χ²/NDF: 2602291.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

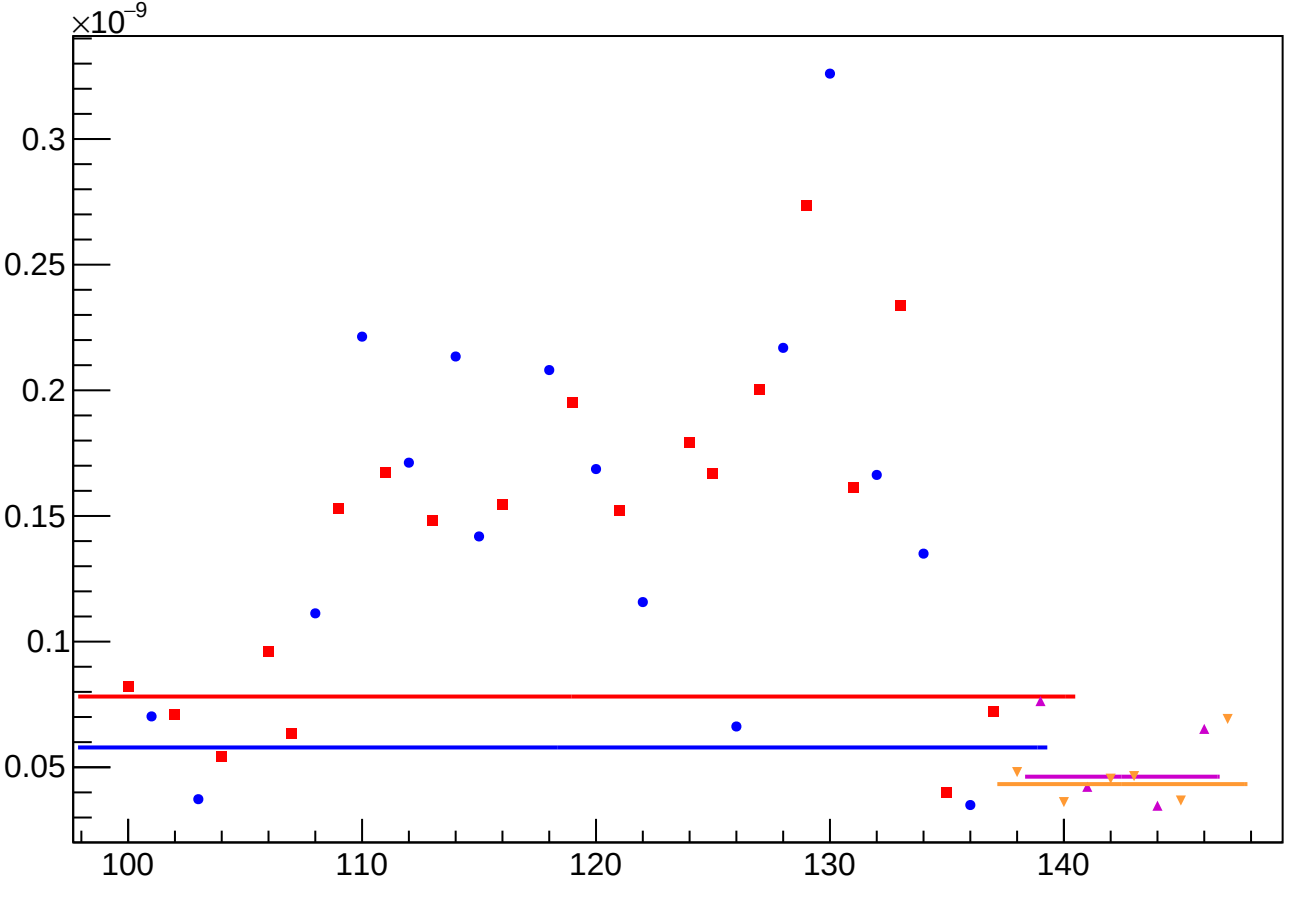
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/21

All: -0.000+/-0.000 χ^2/NDF: 47.5/44

- sign -0.000+/-0.000 χ^2/NDF: 27.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:253746.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

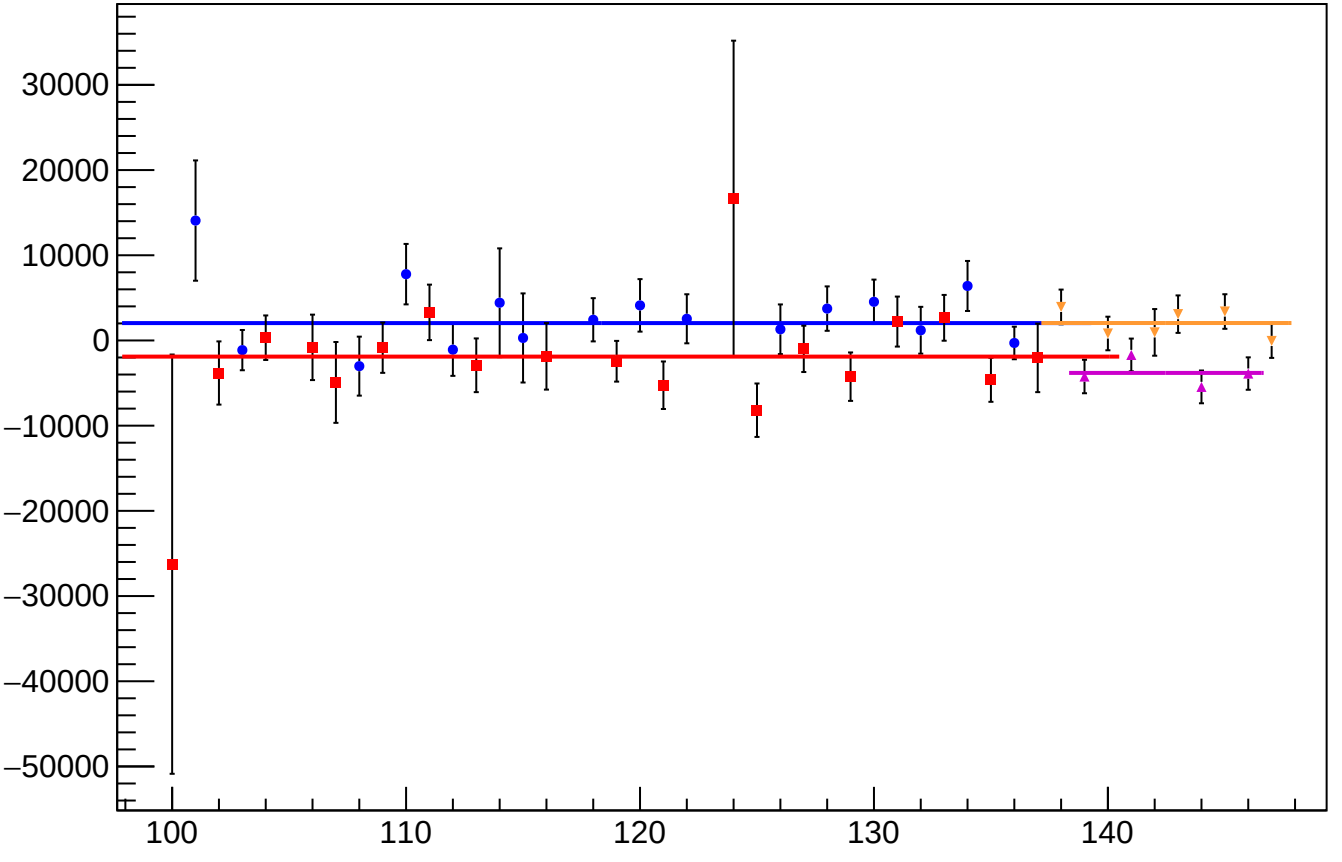
Left In: 0.000+/-0.000 χ^2/NDF:389629.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3800208.8/21

All: 0.000+/-0.000 χ^2/NDF: 7815843.8/44

- sign 0.000+/-0.000 χ^2/NDF: 3839600.1/22

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.910+/-865.700 χ^2/NDF:3.2/5

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

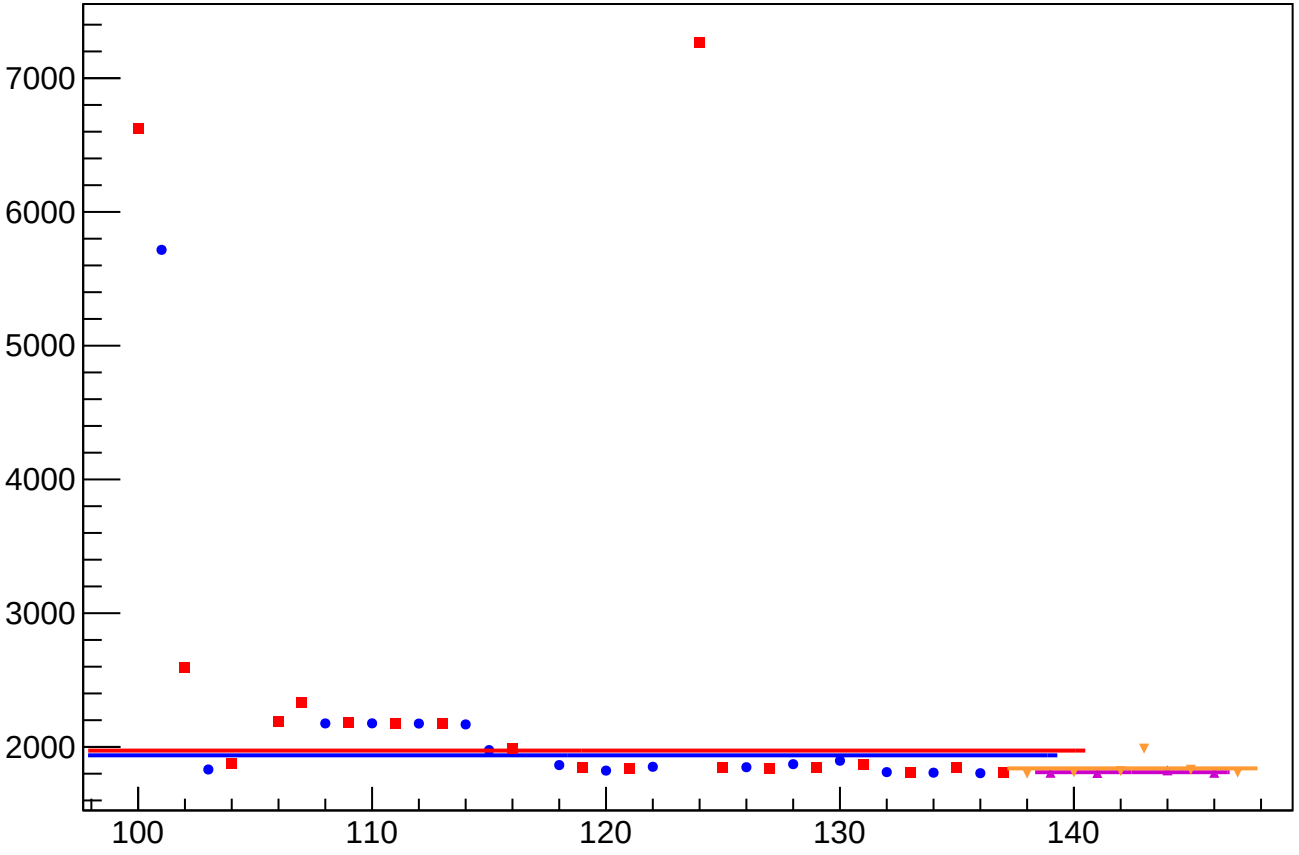
Left In: -3810.148+/-963.498 χ^2/NDF:2.0/3

+ sign 2042.862+/-560.831 χ^2/NDF: 19.6/21

All: -180.507+/-404.929 χ^2/NDF: 75.5/44

- sign -2601.797+/-585.261 χ^2/NDF: 23.0/22

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

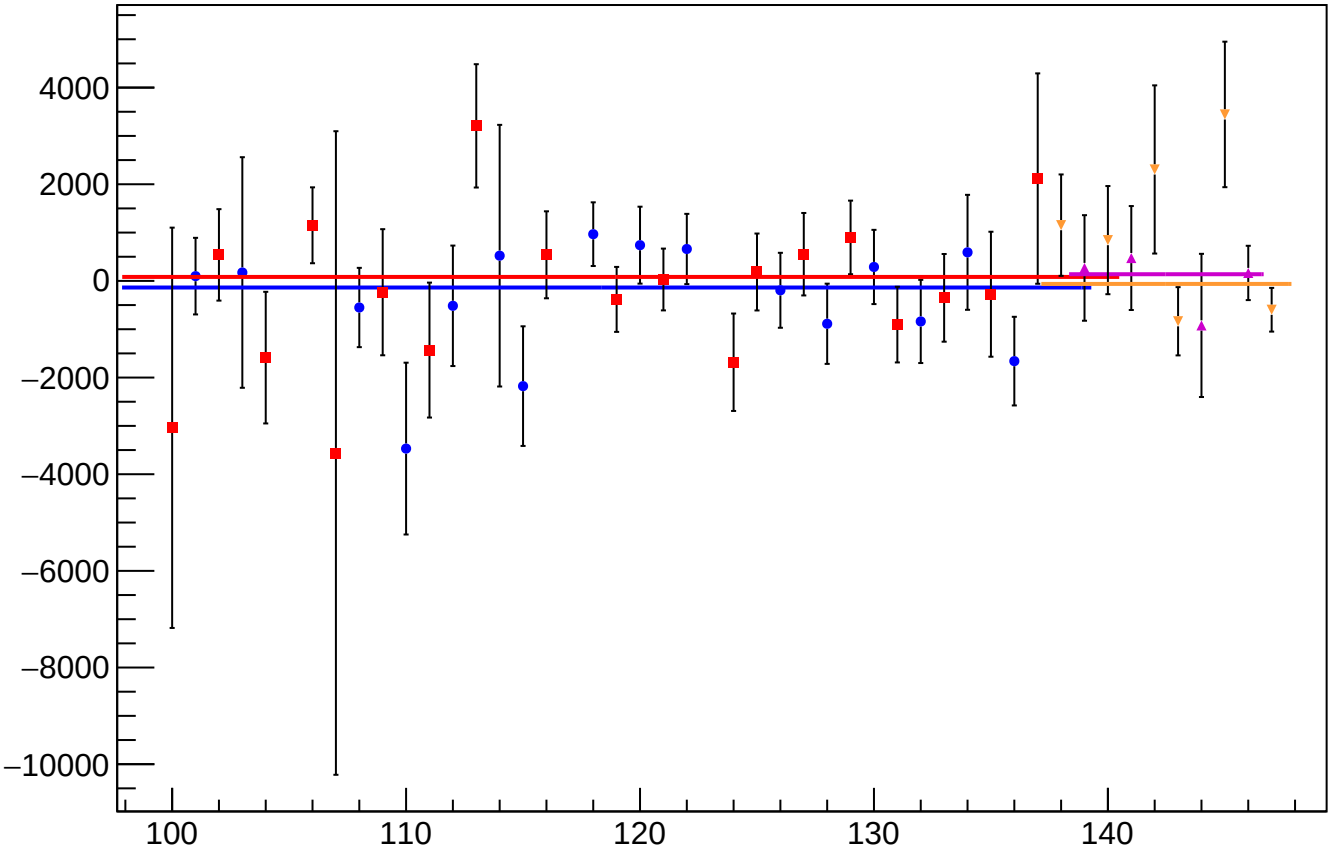
Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1904.368+/-0.286 χ^2/NDF: 1077694.0/44

- sign 1913.176+/-0.414 χ^2/NDF: 413128.5/22

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -62.480+/-326.681 χ^2/NDF:11.9/5

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

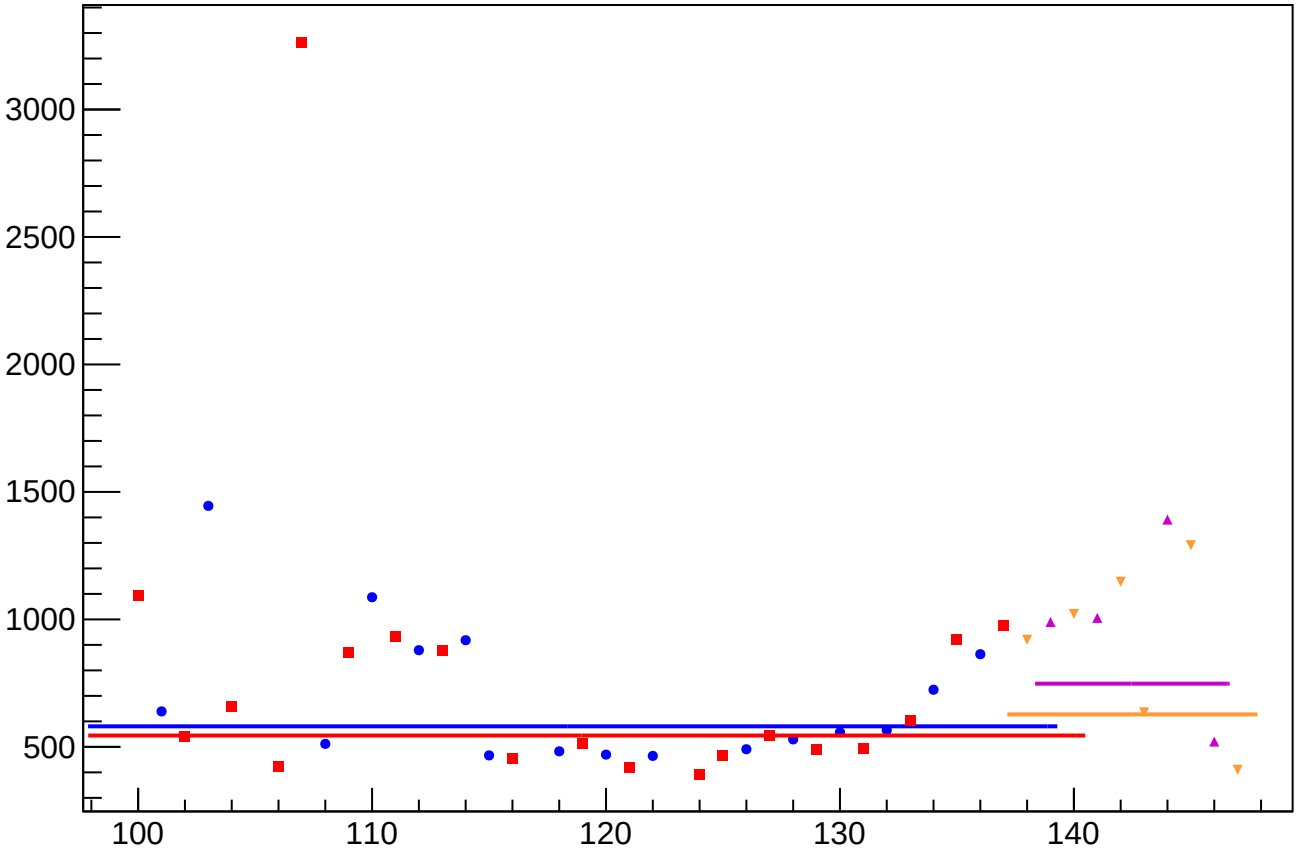
Left In: 138.254+/-433.301 χ^2/NDF:0.6/3

+ sign -112.003+/-188.300 χ^2/NDF: 28.8/21

All: -13.991+/-136.314 χ^2/NDF: 49.8/44

- sign 93.932+/-197.591 χ^2/NDF: 20.4/22

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 627.452+/-0.231 χ^2/NDF:1430746.9/5

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

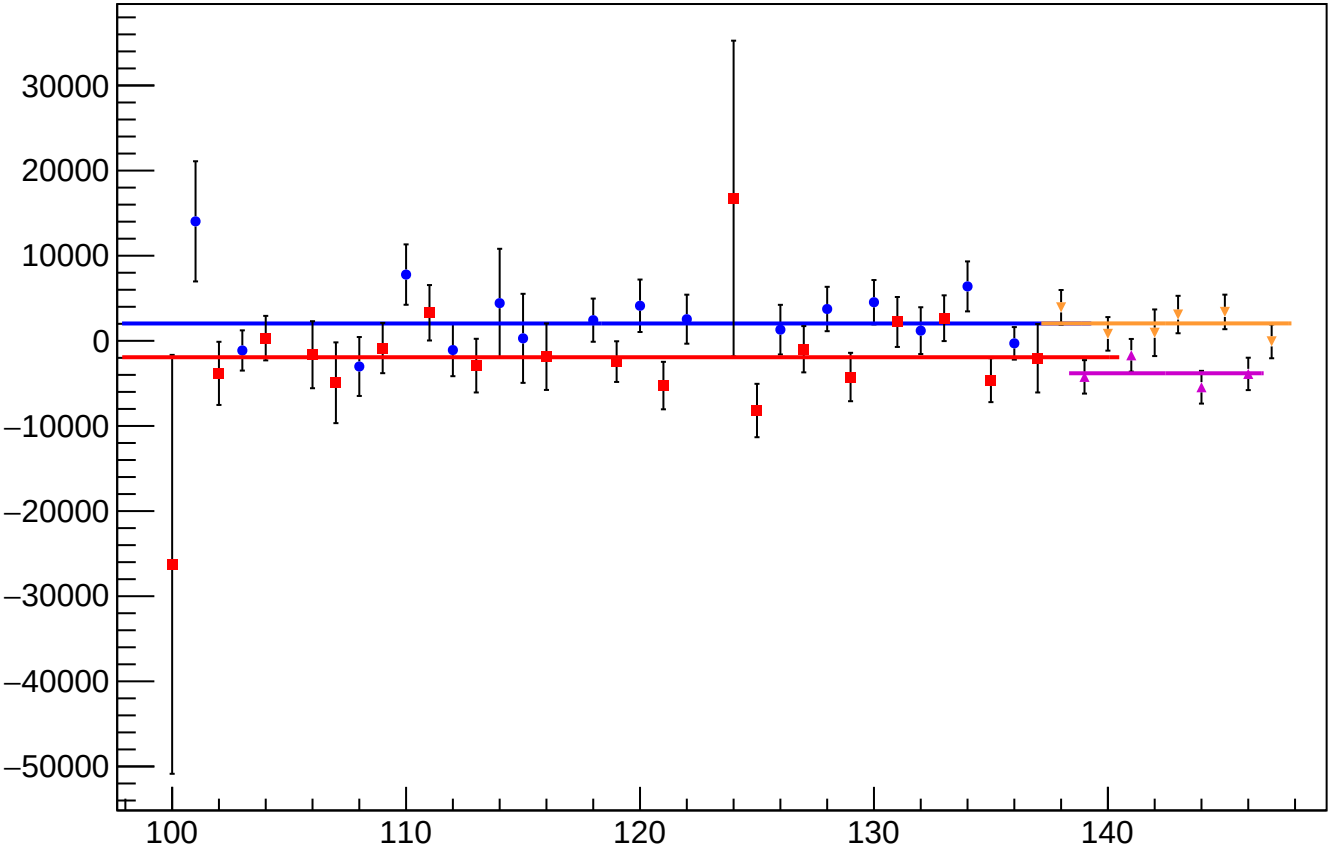
Left In: 747.973+/-0.306 χ^2/NDF:917036.7/3

+ sign 596.173+/-0.133 χ^2/NDF: 2461615.4/21

All: 591.729+/-0.096 χ^2/NDF: 5017848.5/44

- sign 586.836+/-0.140 χ^2/NDF: 2553892.3/22

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

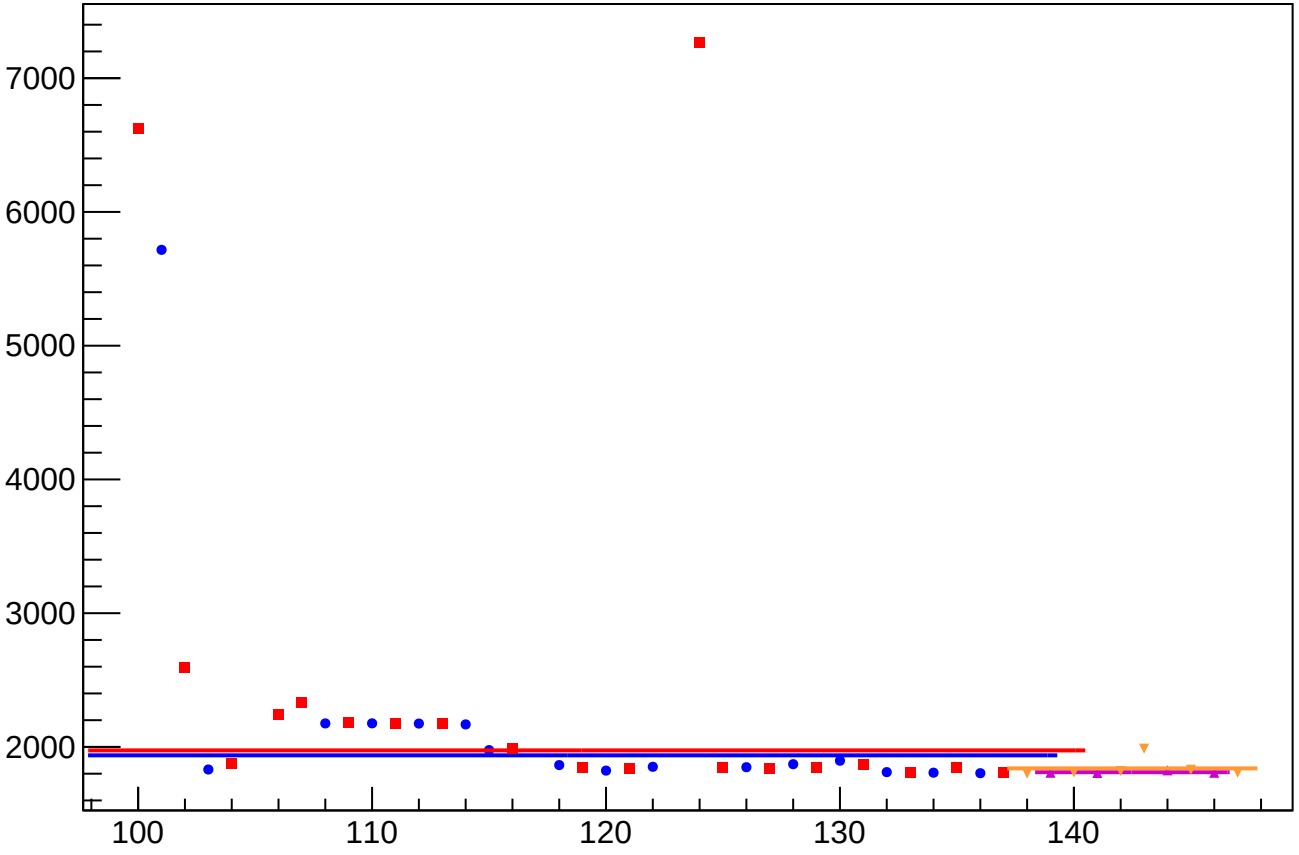
Left In: -3810.355+/-963.498 χ^2/NDF:2.0/3

+ sign 2042.633+/-560.831 χ^2/NDF: 19.6/21

All: -189.110+/-405.036 χ^2/NDF: 75.6/44

- sign -2622.221+/-585.586 χ^2/NDF: 22.8/22

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

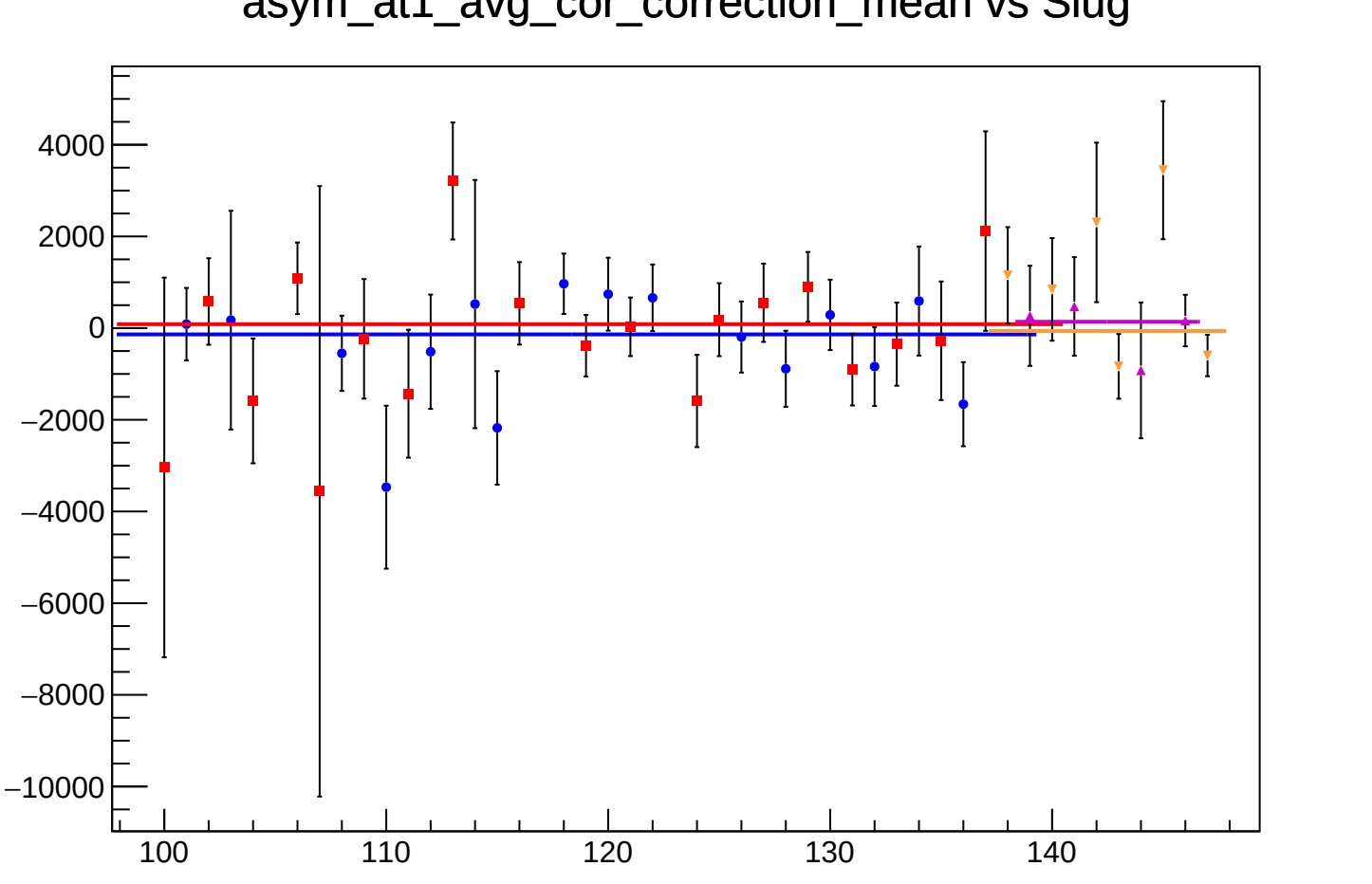
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1904.752+/-0.286 χ^2/NDF: 1081264.3/44

- sign 1913.990+/-0.414 χ^2/NDF: 416613.6/22



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

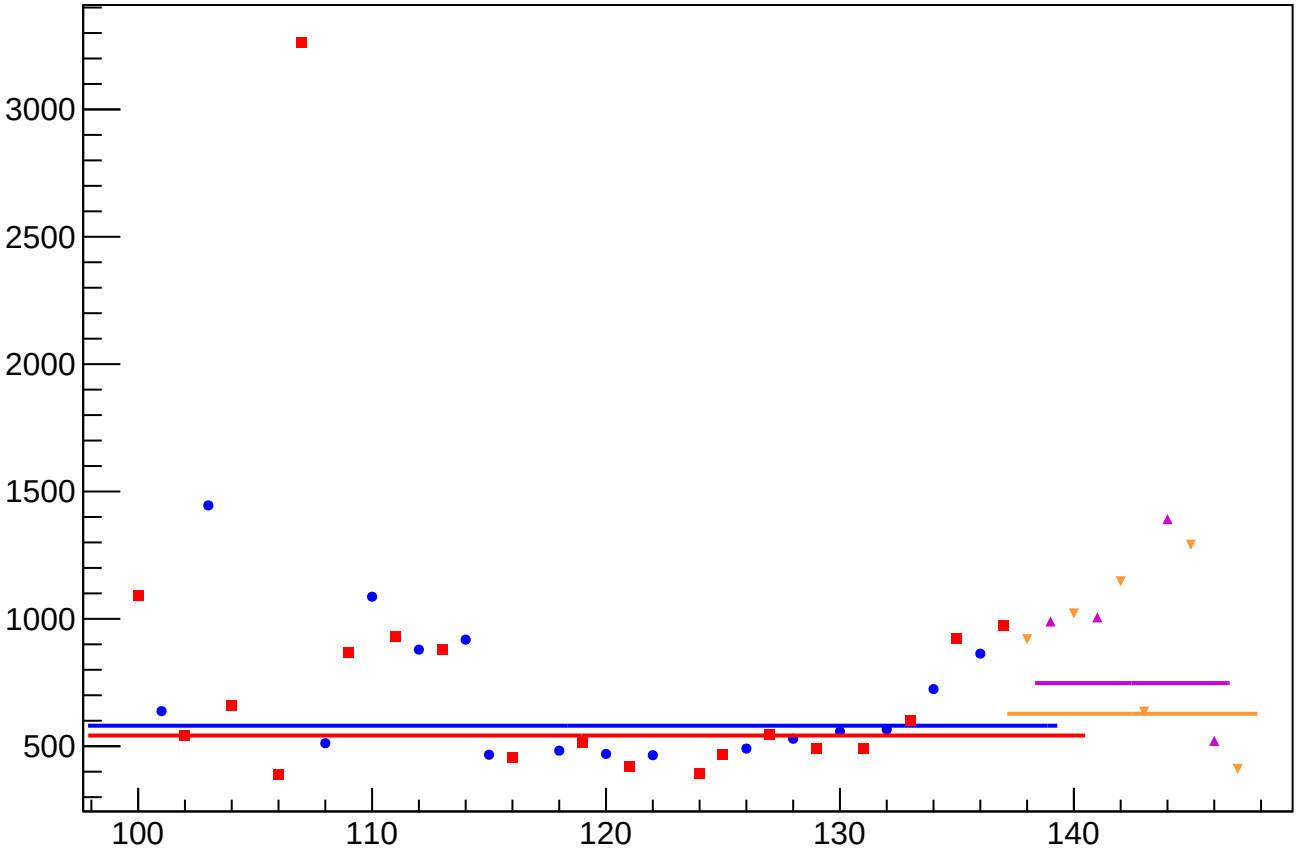
Left In: 138.327+/-433.304 χ^2/NDF:0.6/3

+ sign -112.641+/-188.275 χ^2/NDF: 28.8/21

All: -13.286+/-136.273 χ^2/NDF: 49.3/44

- sign 96.037+/-197.494 χ^2/NDF: 19.9/22

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 627.478+/-0.231 χ^2/NDF:1430569.1/5

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

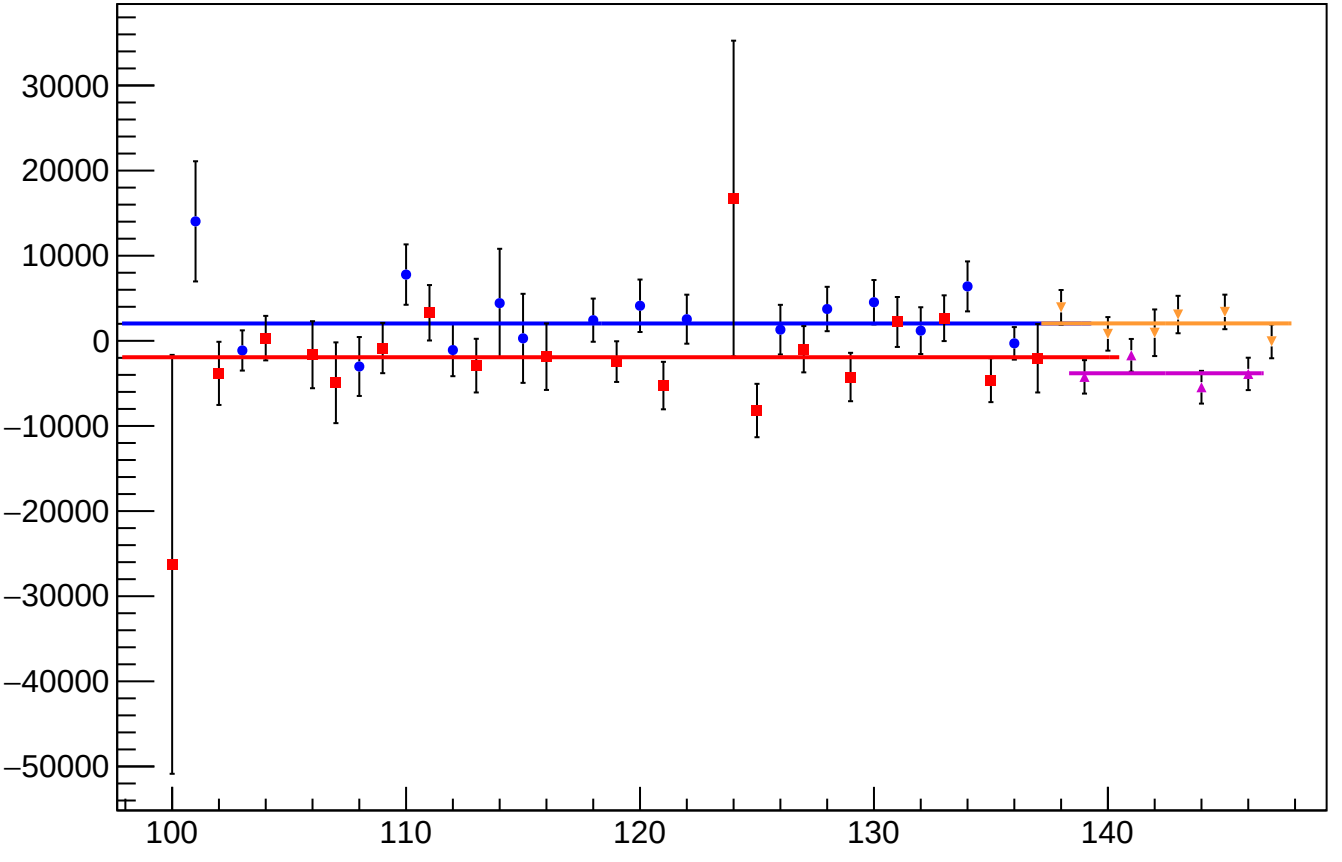
Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

+ sign 596.115+/-0.133 χ^2/NDF: 2461068.4/21

All: 590.700+/-0.096 χ^2/NDF: 5058700.3/44

- sign 584.741+/-0.140 χ^2/NDF: 2594156.5/22

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

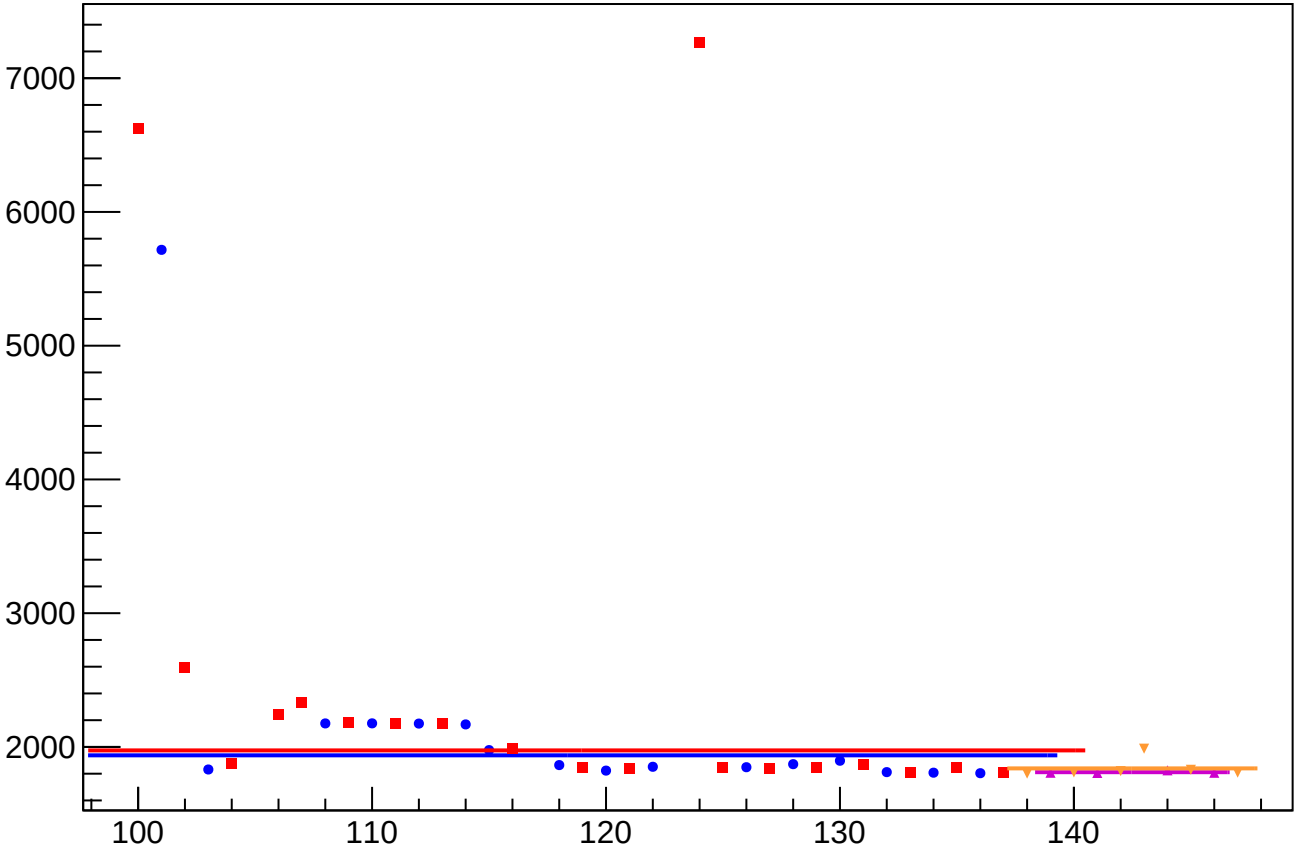
Left In: -3810.355+/-963.498 χ^2/NDF:2.0/3

+ sign 2042.633+/-560.831 χ^2/NDF: 19.6/21

All: -189.110+/-405.036 χ^2/NDF: 75.6/44

- sign -2622.221+/-585.586 χ^2/NDF: 22.8/22

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

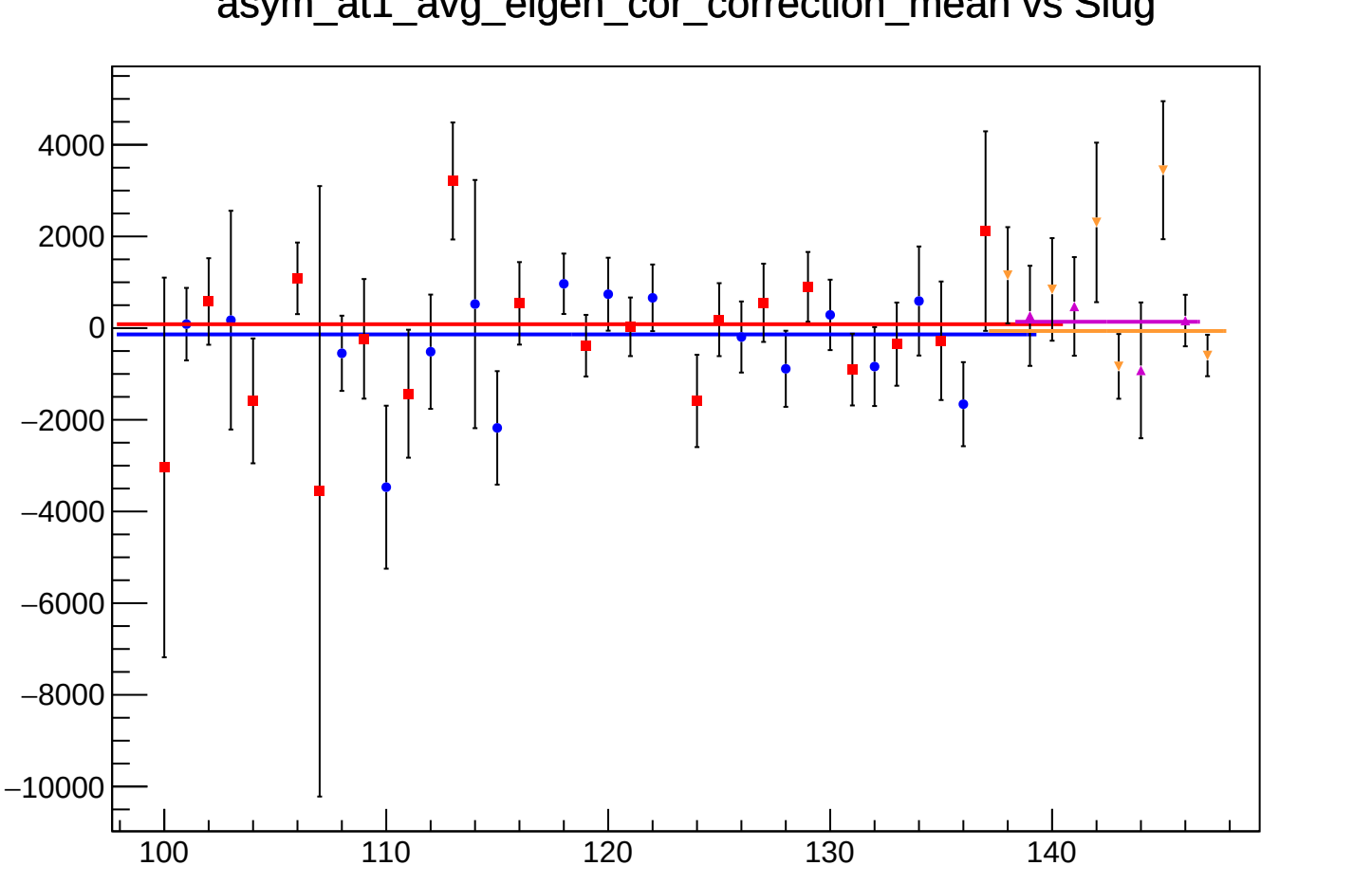
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1904.752+/-0.286 χ^2/NDF: 1081264.3/44

- sign 1913.990+/-0.414 χ^2/NDF: 416613.6/22



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

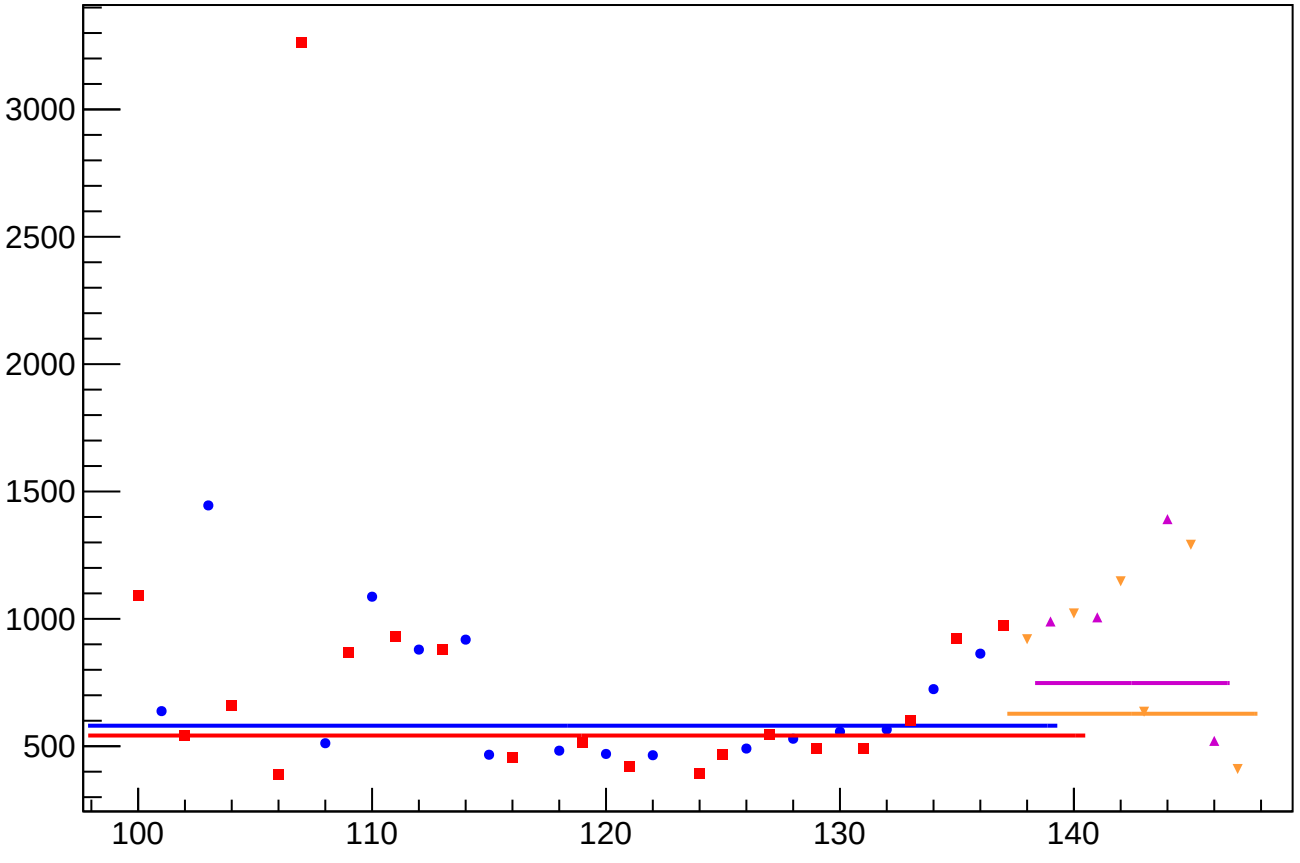
Left In: 138.327+/-433.304 χ^2/NDF:0.6/3

+ sign -112.641+/-188.275 χ^2/NDF: 28.8/21

All: -13.286+/-136.273 χ^2/NDF: 49.3/44

- sign 96.037+/-197.494 χ^2/NDF: 19.9/22

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 627.478+/-0.231 χ^2/NDF:1430569.1/5

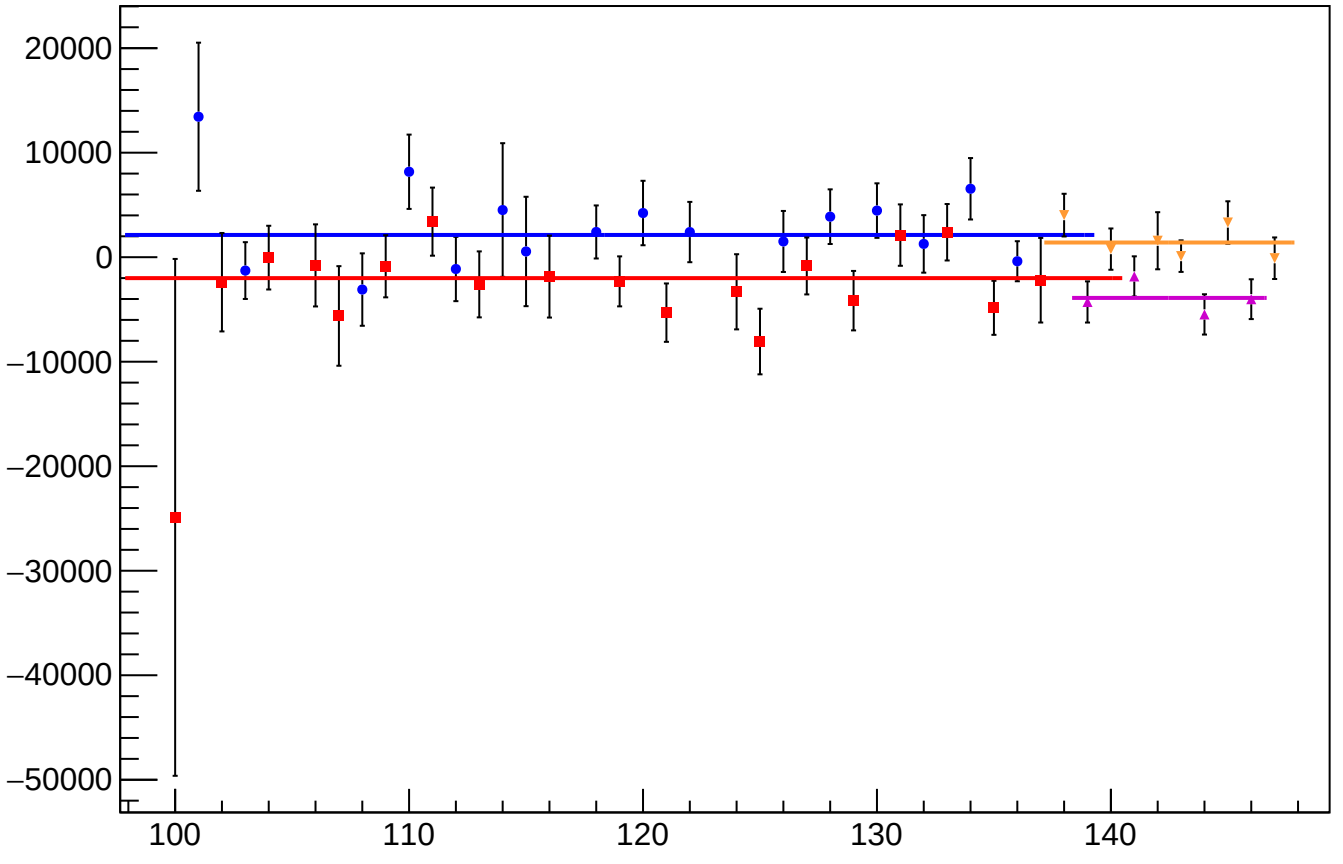
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

+ sign 596.115+/-0.133 χ^2/NDF: 2461068.4/21

All: 590.700+/-0.096 χ^2/NDF: 5058700.3/44

- sign 584.741+/-0.140 χ^2/NDF: 2594156.5/22



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.829+/-799.809 χ^2/NDF:3.9/5

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

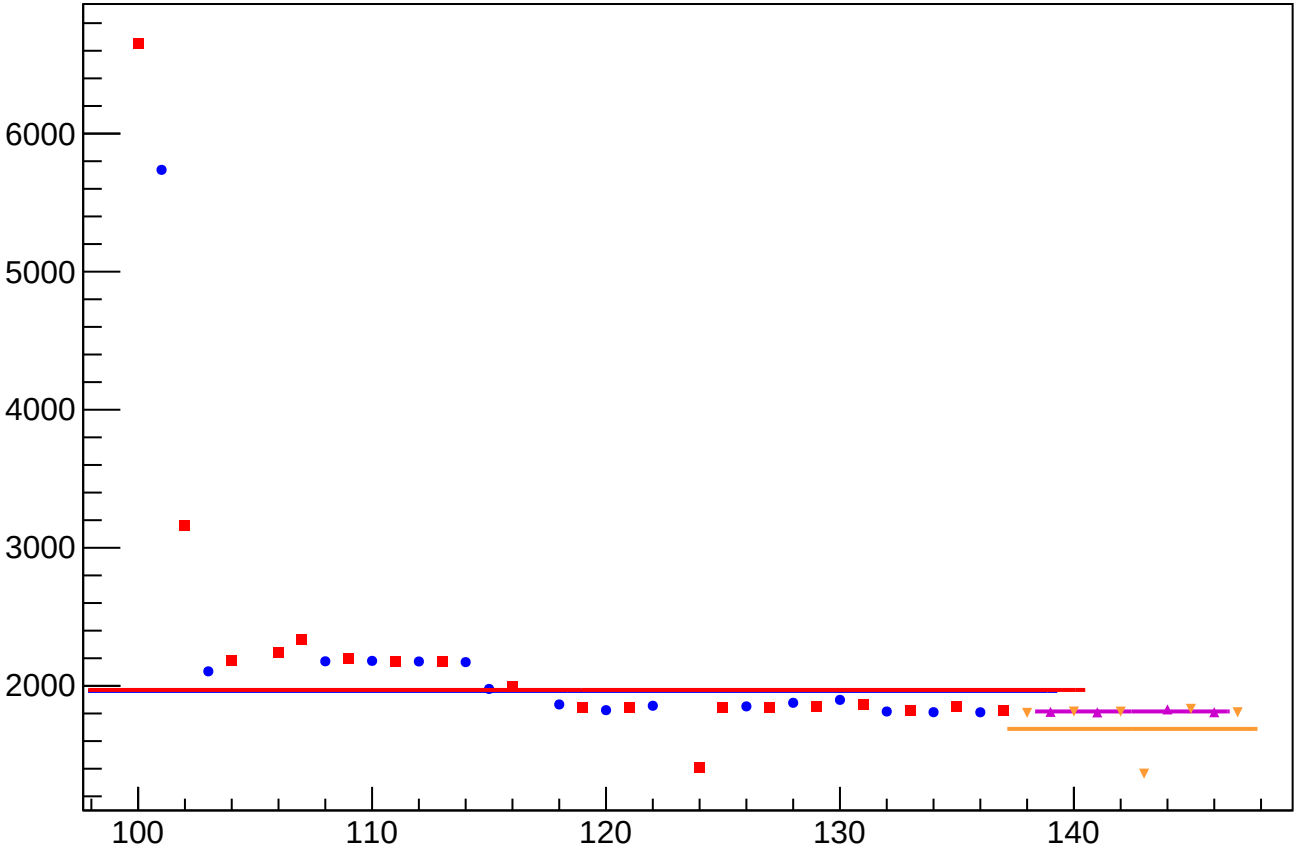
Left In: -3896.341+/-965.360 χ^2/NDF:1.9/3

+ sign 1791.841+/-545.628 χ^2/NDF: 20.9/21

All: -294.394+/-399.295 χ^2/NDF: 73.4/44

- sign -2699.921+/-585.896 χ^2/NDF: 21.0/22

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

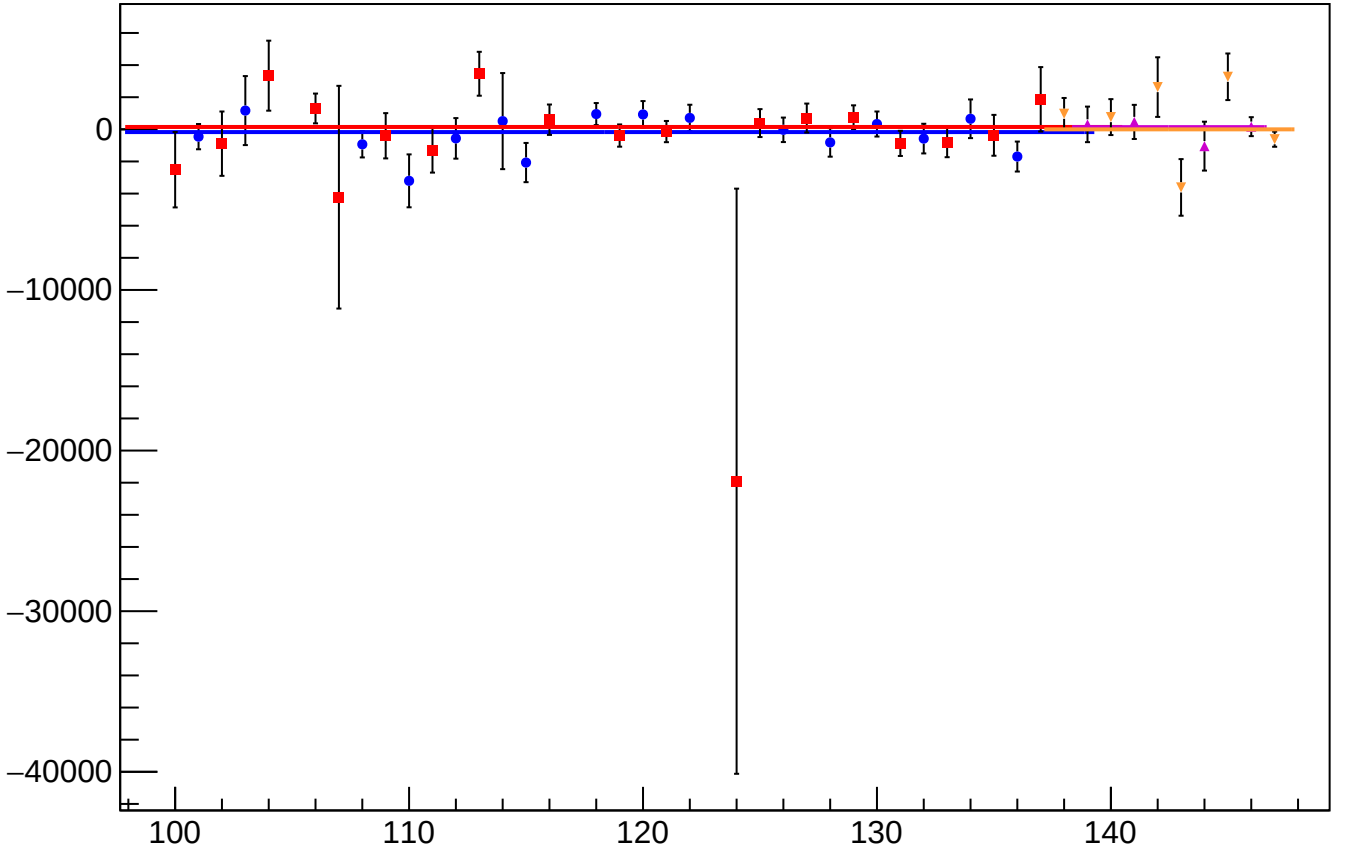
Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

+ sign 1835.420+/-0.386 χ^2/NDF: 895045.9/21

All: 1871.493+/-0.282 χ^2/NDF: 1292050.4/44

- sign 1913.087+/-0.414 χ^2/NDF: 378182.9/22

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

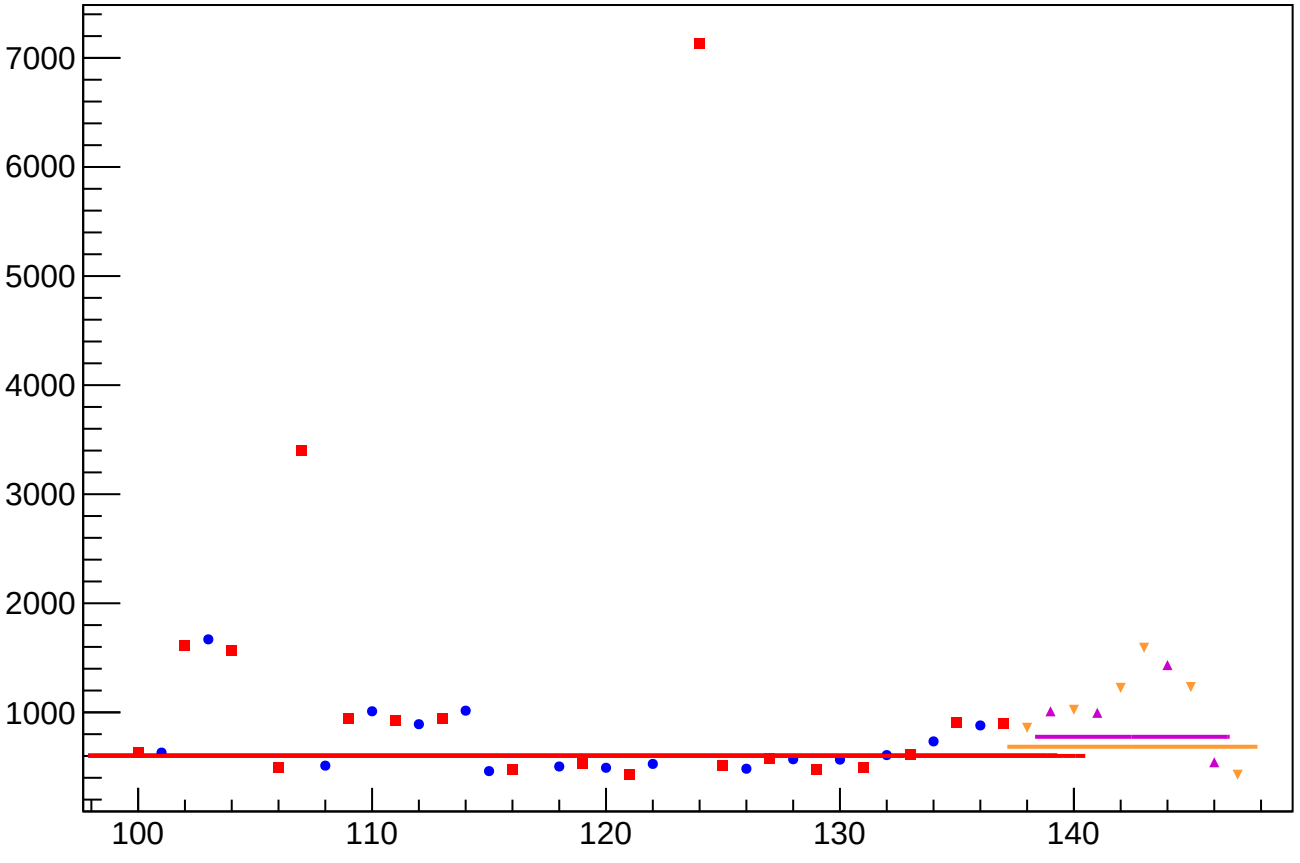
Left In: 137.616+/-446.878 χ^2/NDF:0.7/3

\+ sign -120.814+/-198.997 χ^2/NDF: 31.8/21

All: 2.946+/-145.530 χ^2/NDF: 53.5/44

\- sign 145.238+/-213.376 χ^2/NDF: 20.8/22

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 684.598+/-0.259 χ^2/NDF:1824978.2/5

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

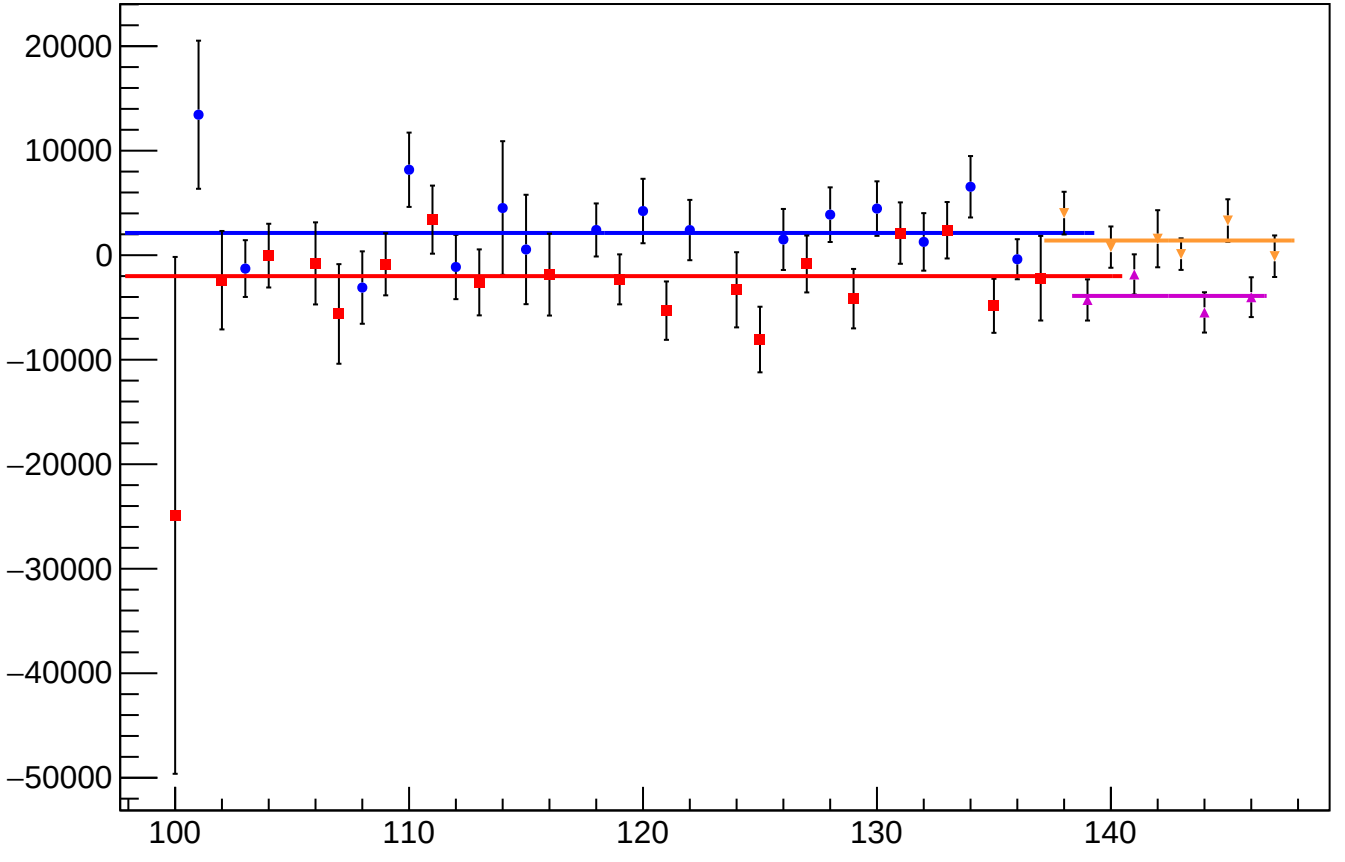
Left In: 775.861+/-0.316 χ^2/NDF:860427.0/3

+ sign 628.742+/-0.141 χ^2/NDF: 3053198.1/21

All: 634.183+/-0.103 χ^2/NDF: 6483268.7/44

- sign 640.439+/-0.151 χ^2/NDF: 3426856.2/22

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.831+/-799.809 χ^2/NDF:3.9/5

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

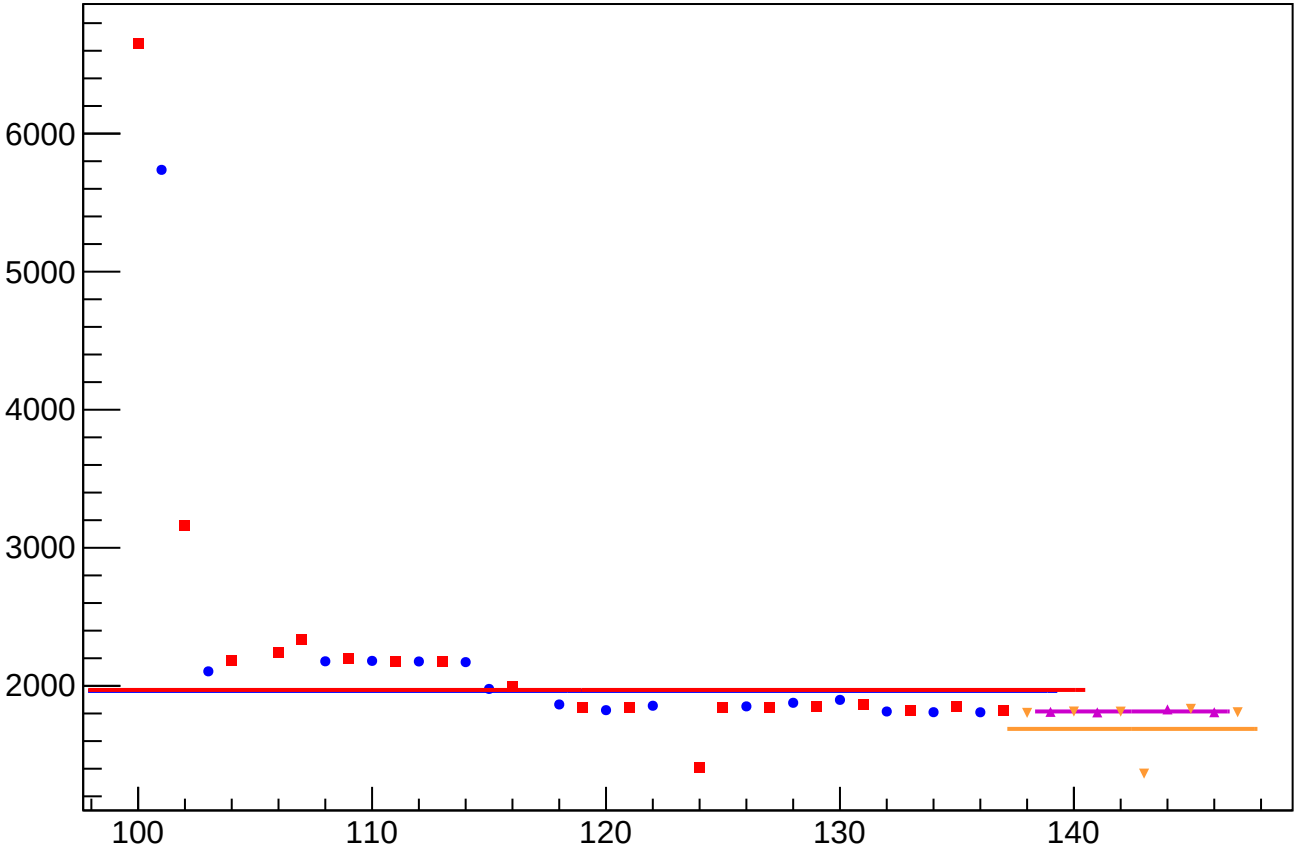
Left In: -3896.341+/-965.360 χ^2/NDF:1.9/3

+ sign 1791.840+/-545.628 χ^2/NDF: 20.9/21

All: -294.393+/-399.295 χ^2/NDF: 73.4/44

- sign -2699.920+/-585.896 χ^2/NDF: 21.0/22

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

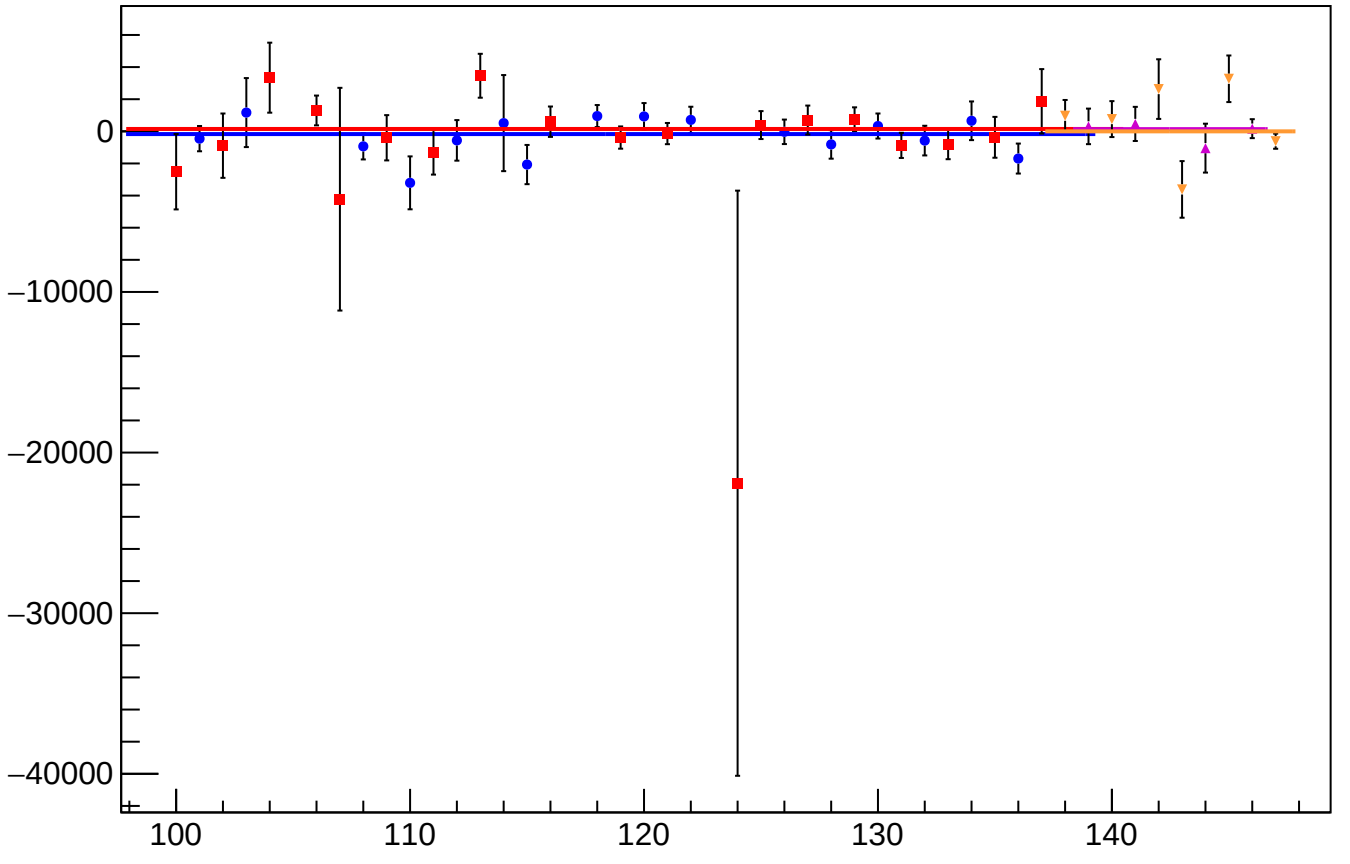
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

+ sign 1835.420+/-0.386 χ^2/NDF: 895045.4/21

All: 1871.493+/-0.282 χ^2/NDF: 1292048.5/44

- sign 1913.087+/-0.414 χ^2/NDF: 378181.5/22



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

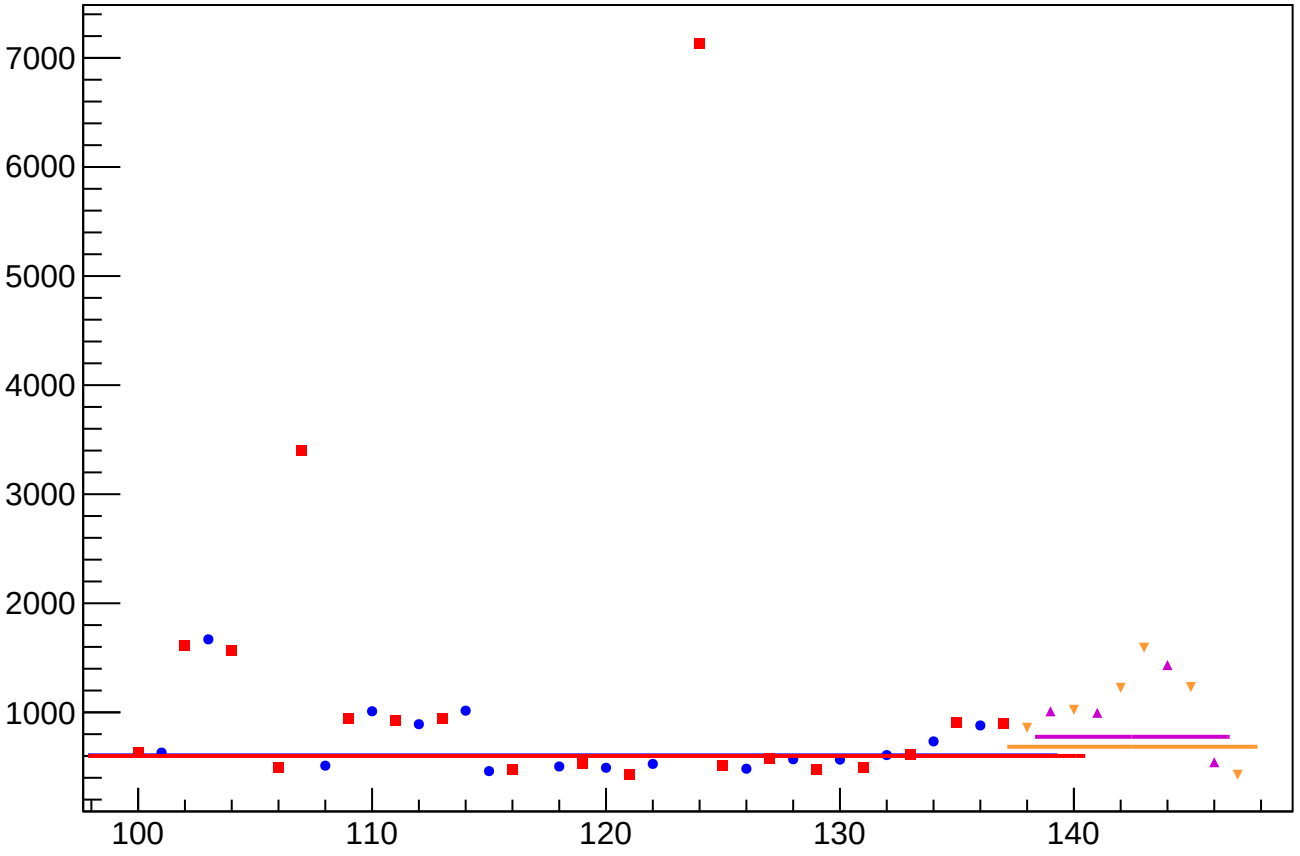
Left In: 137.617+/-446.879 χ^2/NDF:0.7/3

+ sign -120.814+/-198.996 χ^2/NDF: 31.8/21

All: 2.946+/-145.530 χ^2/NDF: 53.5/44

- sign 145.238+/-213.376 χ^2/NDF: 20.8/22

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 684.599+/-0.259 χ^2/NDF:1824973.8/5

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

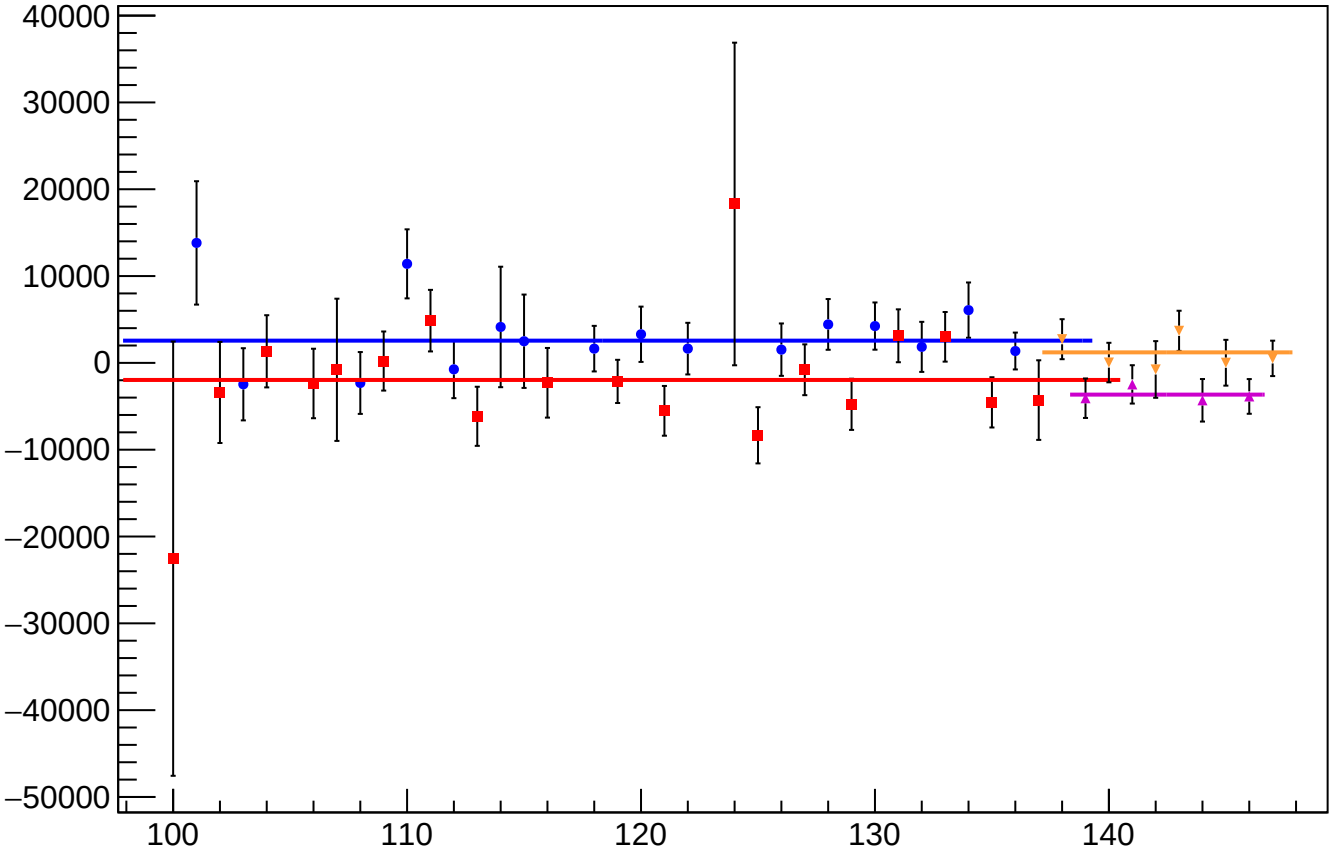
Left In: 775.862+/-0.316 χ^2/NDF:860425.5/3

+ sign 628.742+/-0.141 χ^2/NDF: 3053205.3/21

All: 634.183+/-0.103 χ^2/NDF: 6483287.5/44

- sign 640.439+/-0.151 χ^2/NDF: 3426867.7/22

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1210.726+/-977.583 χ^2/NDF:2.5/5

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

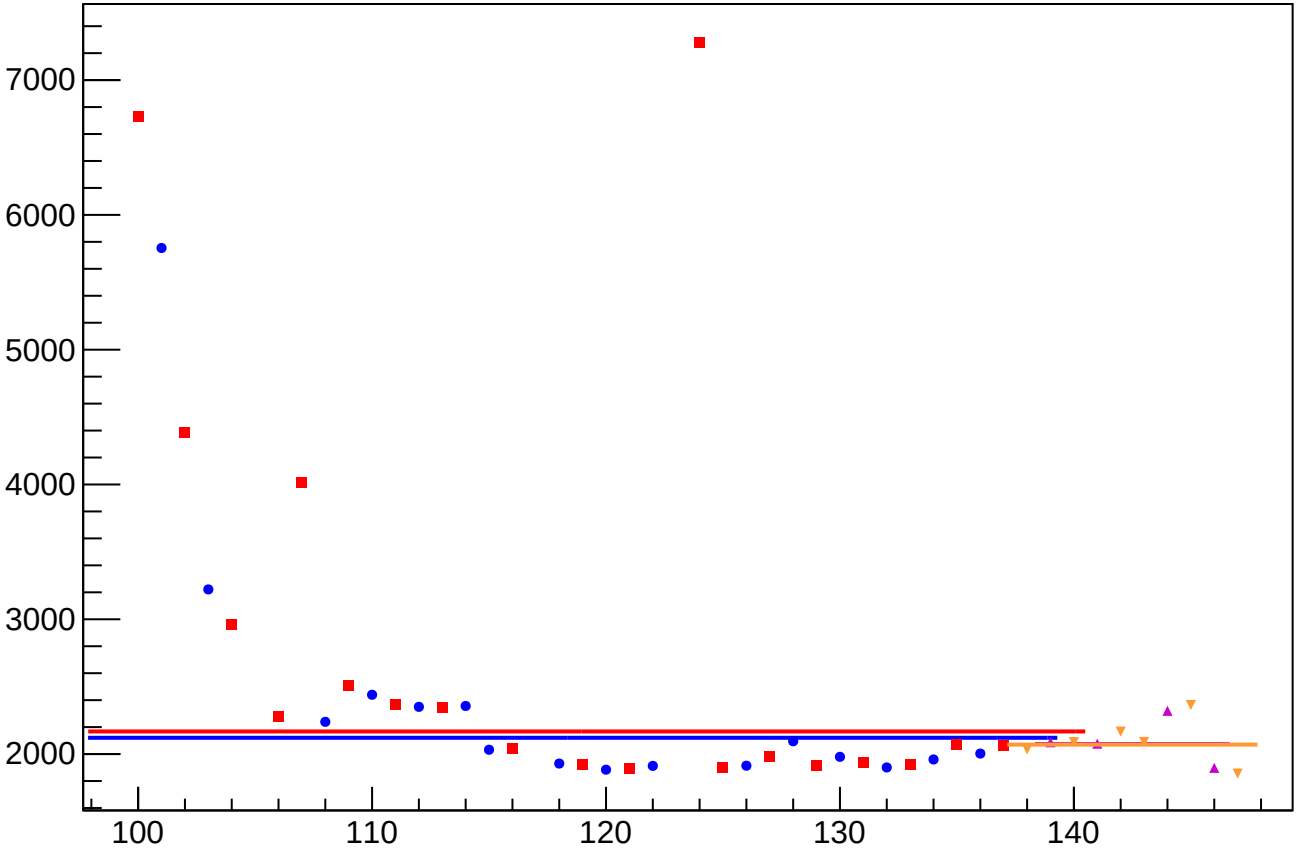
Left In: -3655.347+/-1107.425 χ^2/NDF:0.4/3

+ sign 2011.604+/-623.560 χ^2/NDF: 18.3/21

All: -151.744+/-452.741 χ^2/NDF: 67.2/44

- sign -2563.610+/-658.403 χ^2/NDF: 23.5/22

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2070.221+/-0.691 χ^2/NDF:49571.6/5

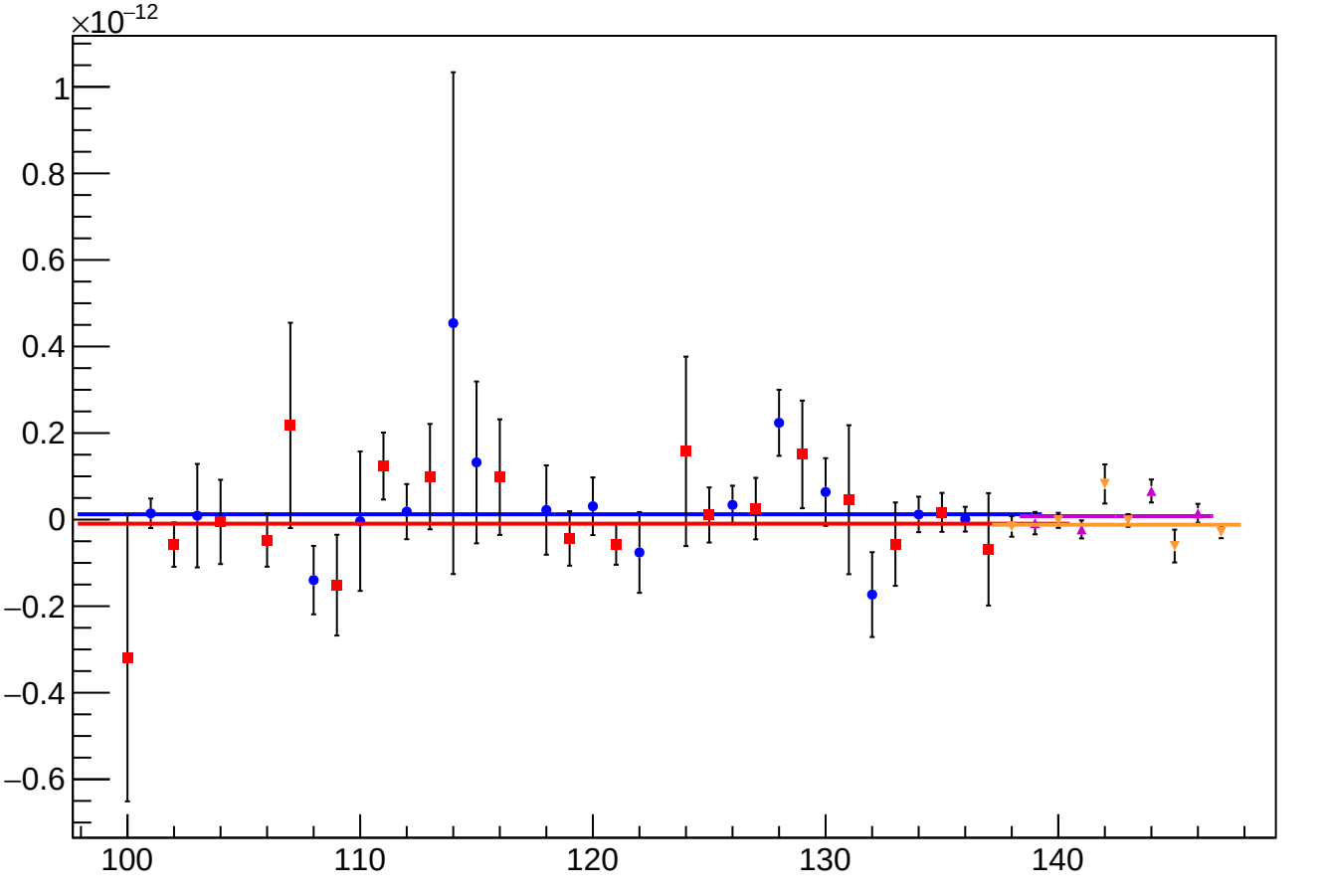
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2074.449+/-0.783 χ^2/NDF:35916.9/3

+ sign 2100.208+/-0.441 χ^2/NDF: 812713.5/21

All: 2116.578+/-0.320 χ^2/NDF: 1684667.1/44

- sign 2134.829+/-0.466 χ^2/NDF: 869038.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

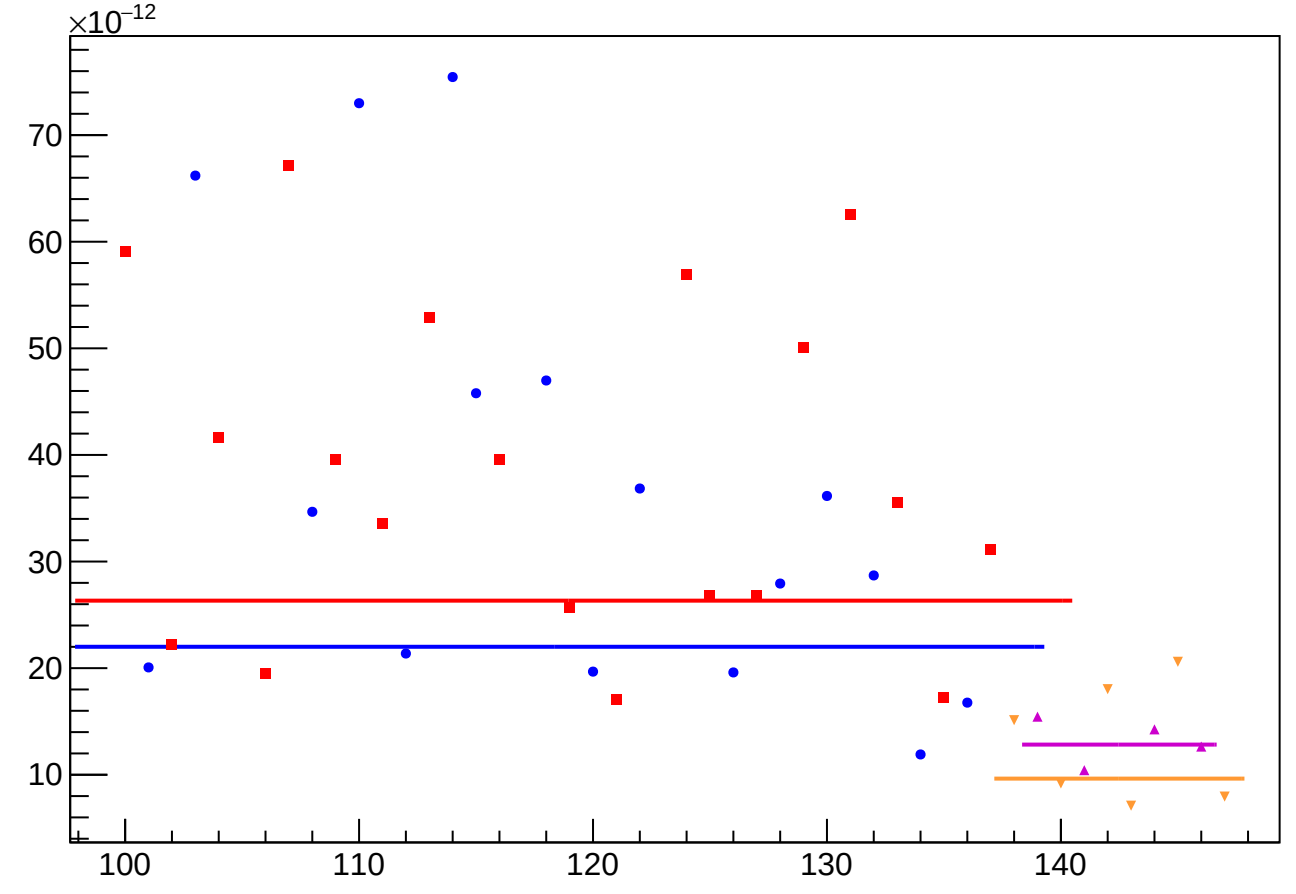
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/21

All: -0.000+/-0.000 χ^2/NDF: 50.6/44

- sign 0.000+/-0.000 χ^2/NDF: 21.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:433588.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

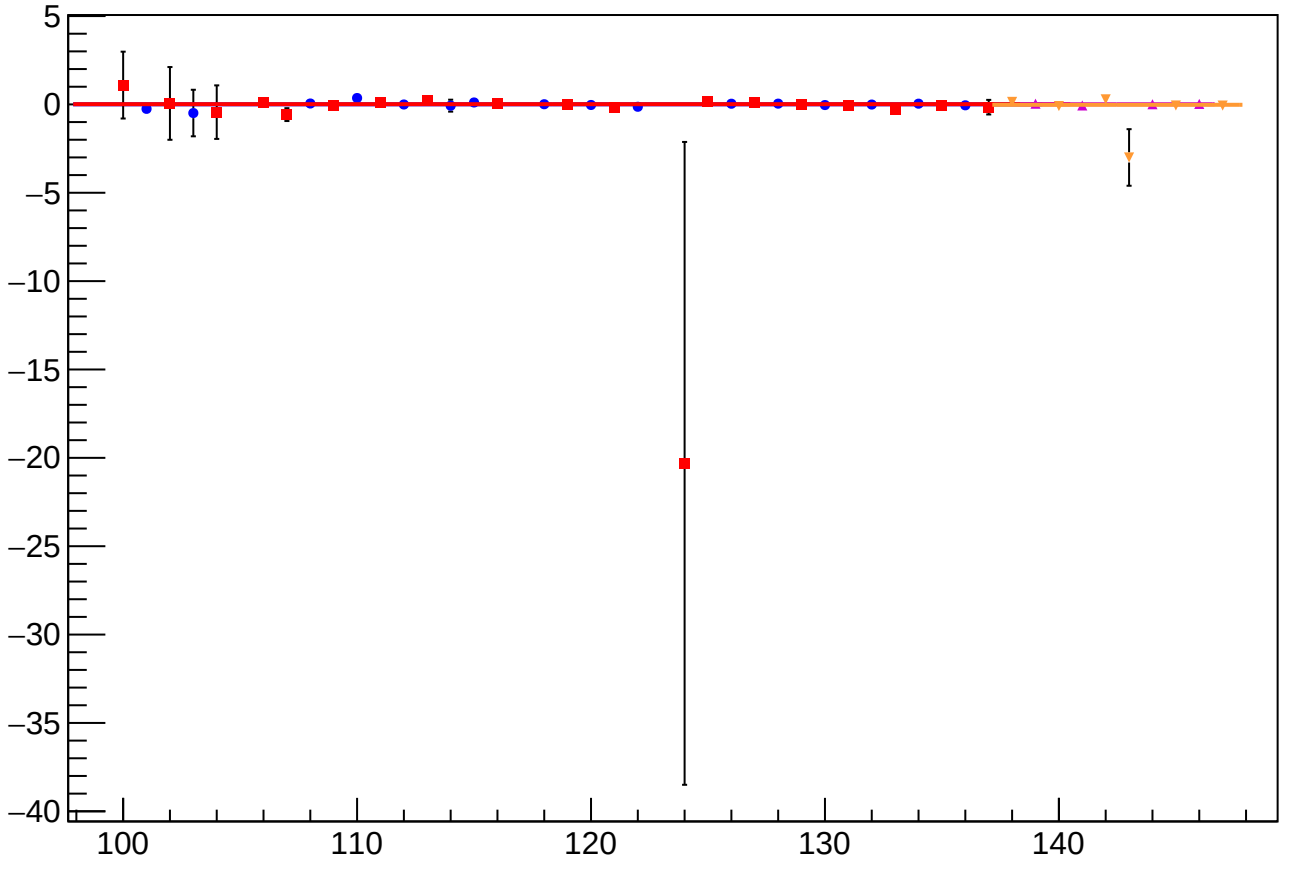
Left In: 0.000+/-0.000 χ^2/NDF:53089.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2558244.7/21

All: 0.000+/-0.000 χ^2/NDF: 4373039.7/44

- sign 0.000+/-0.000 χ^2/NDF: 1547763.4/22

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

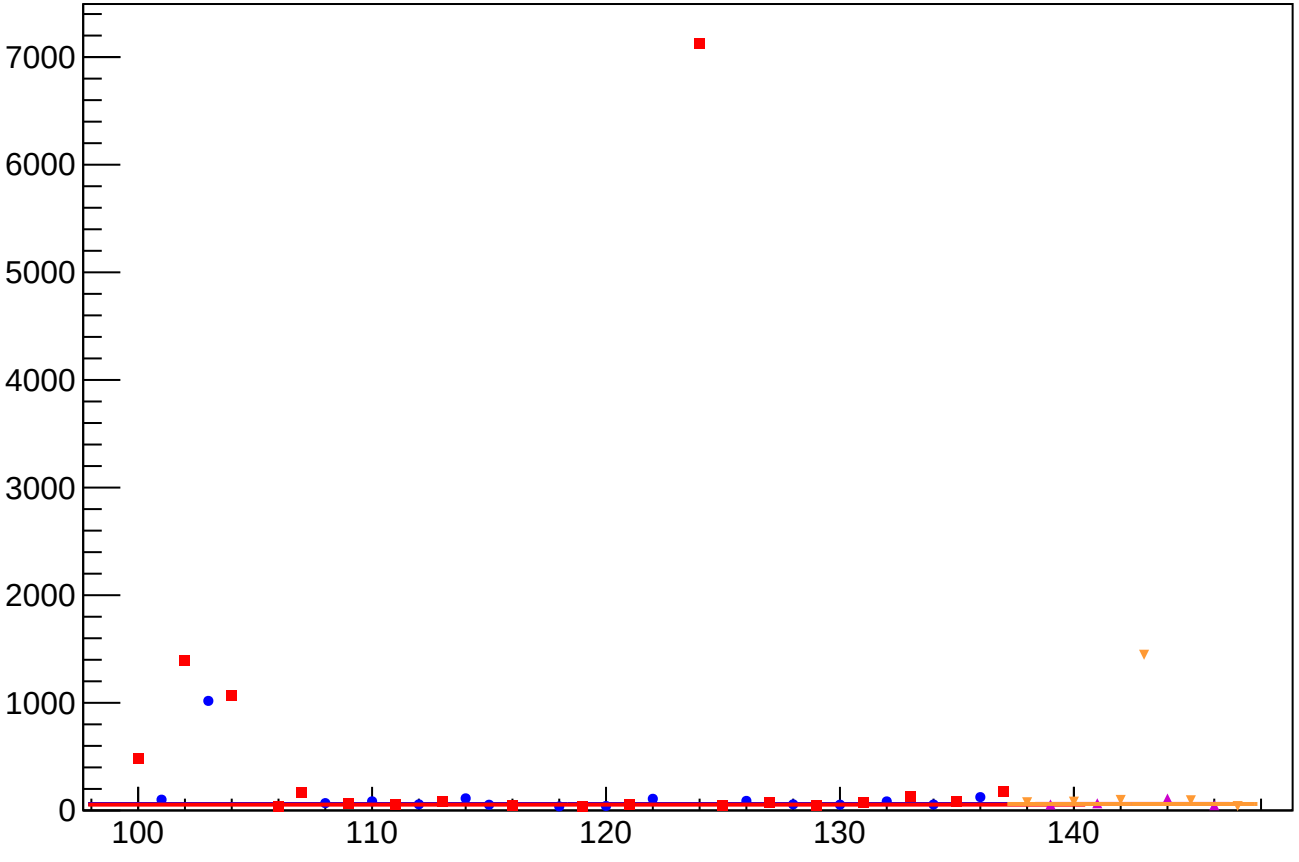
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.003+/-0.015 χ^2/NDF: 42.9/44

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

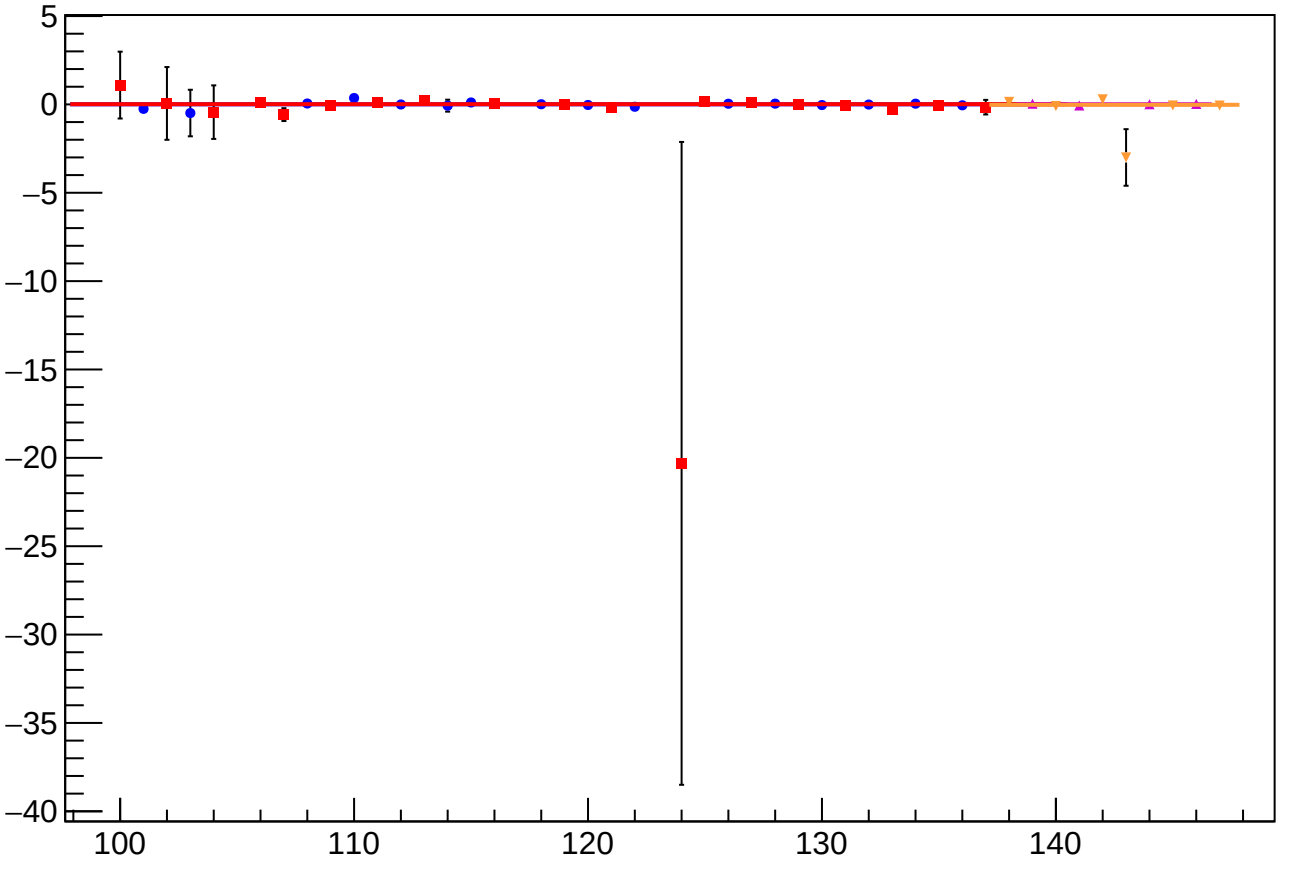
Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

+ sign 59.943+/-0.015 χ^2/NDF: 4848766.3/21

All: 58.154+/-0.011 χ^2/NDF: 8893987.6/44

- sign 56.424+/-0.015 χ^2/NDF: 4017622.8/22

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

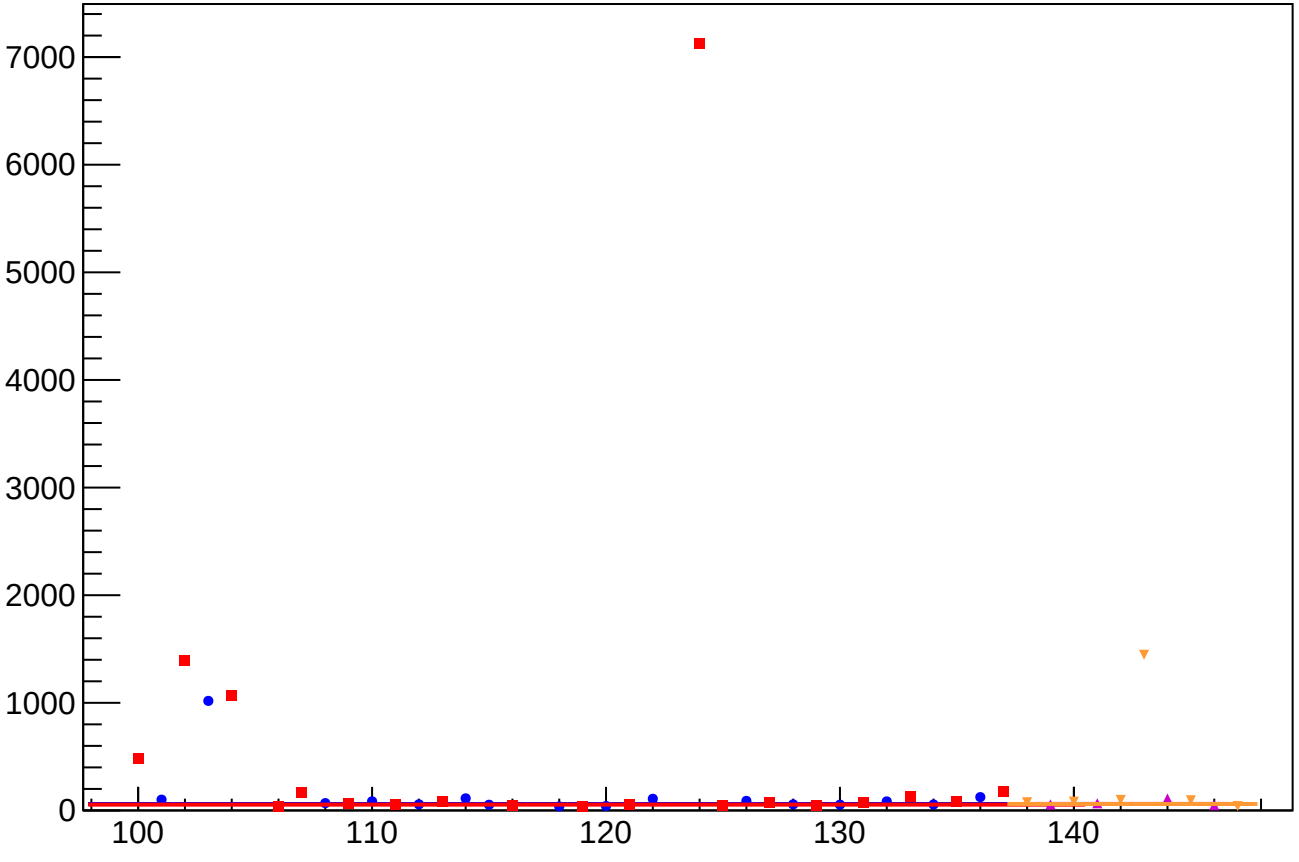
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.003+/-0.015 χ^2/NDF: 42.9/44

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

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: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

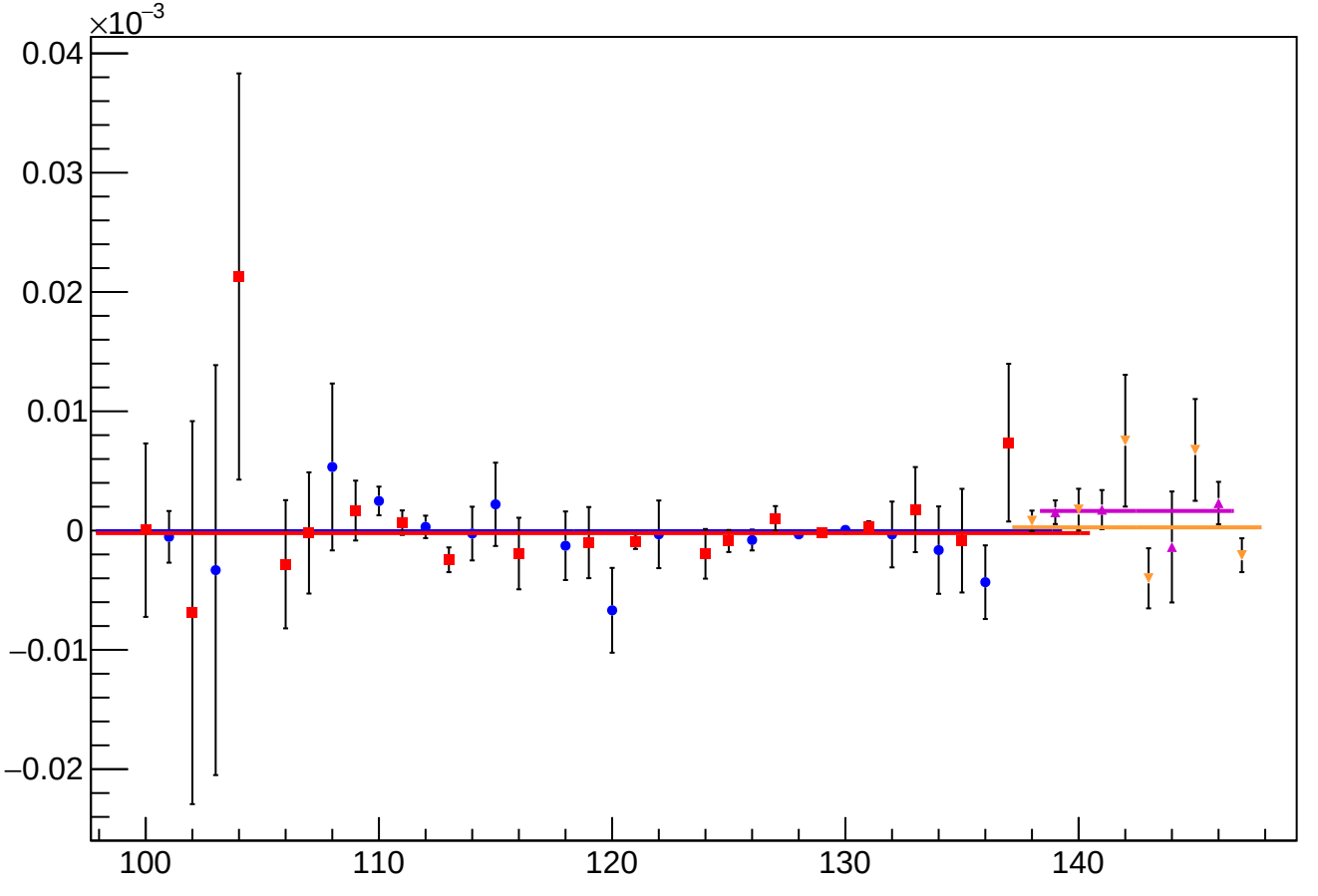
Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

+ sign 59.943+/-0.015 χ^2/NDF: 4848766.3/21

All: 58.154+/-0.011 χ^2/NDF: 8893987.6/44

- sign 56.424+/-0.015 χ^2/NDF: 4017622.8/22

asym_at1_avg_eigen_dit_vs_dit_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:10.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

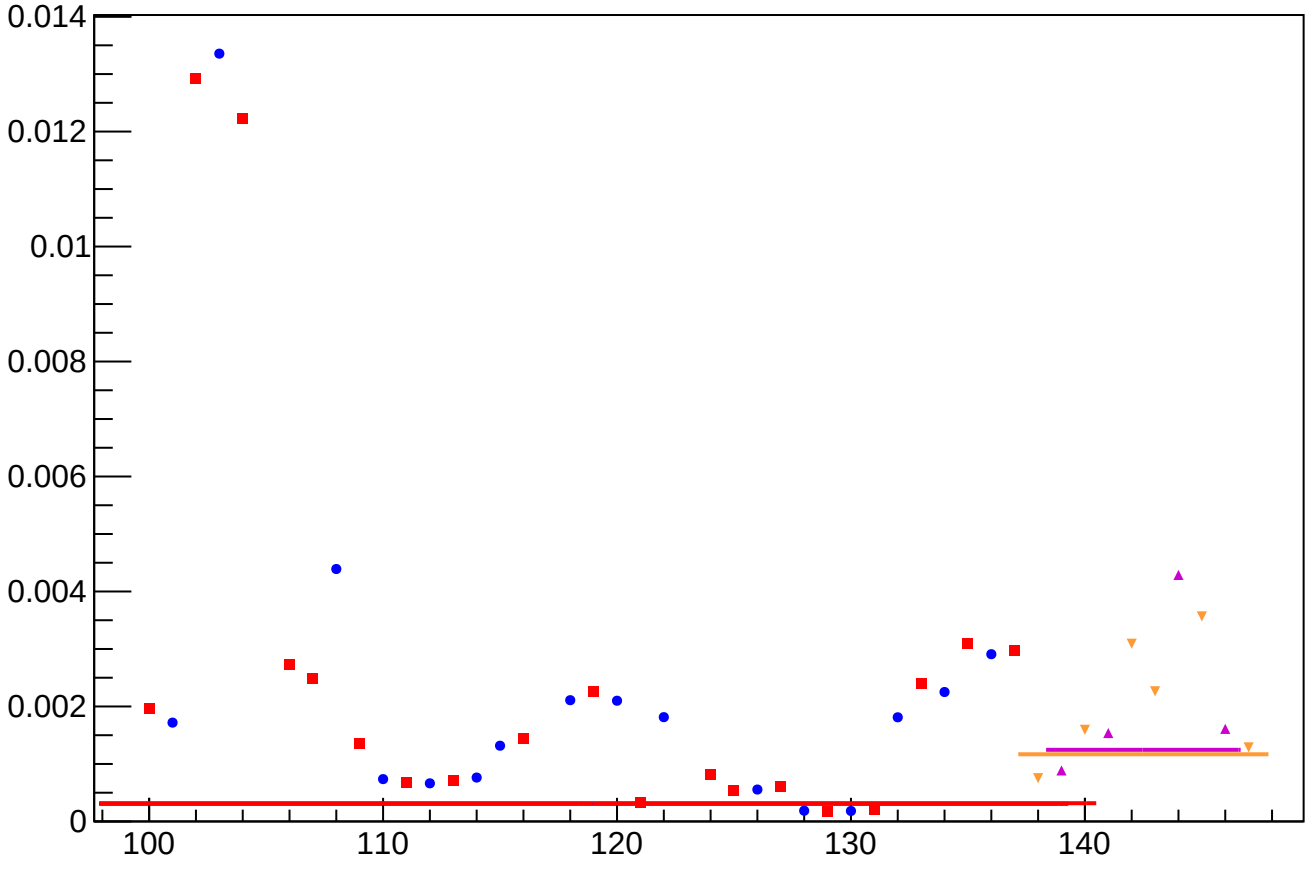
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/21

All: -0.000+/-0.000 χ^2/NDF: 45.8/44

- sign -0.000+/-0.000 χ^2/NDF: 21.9/22

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:1858036.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

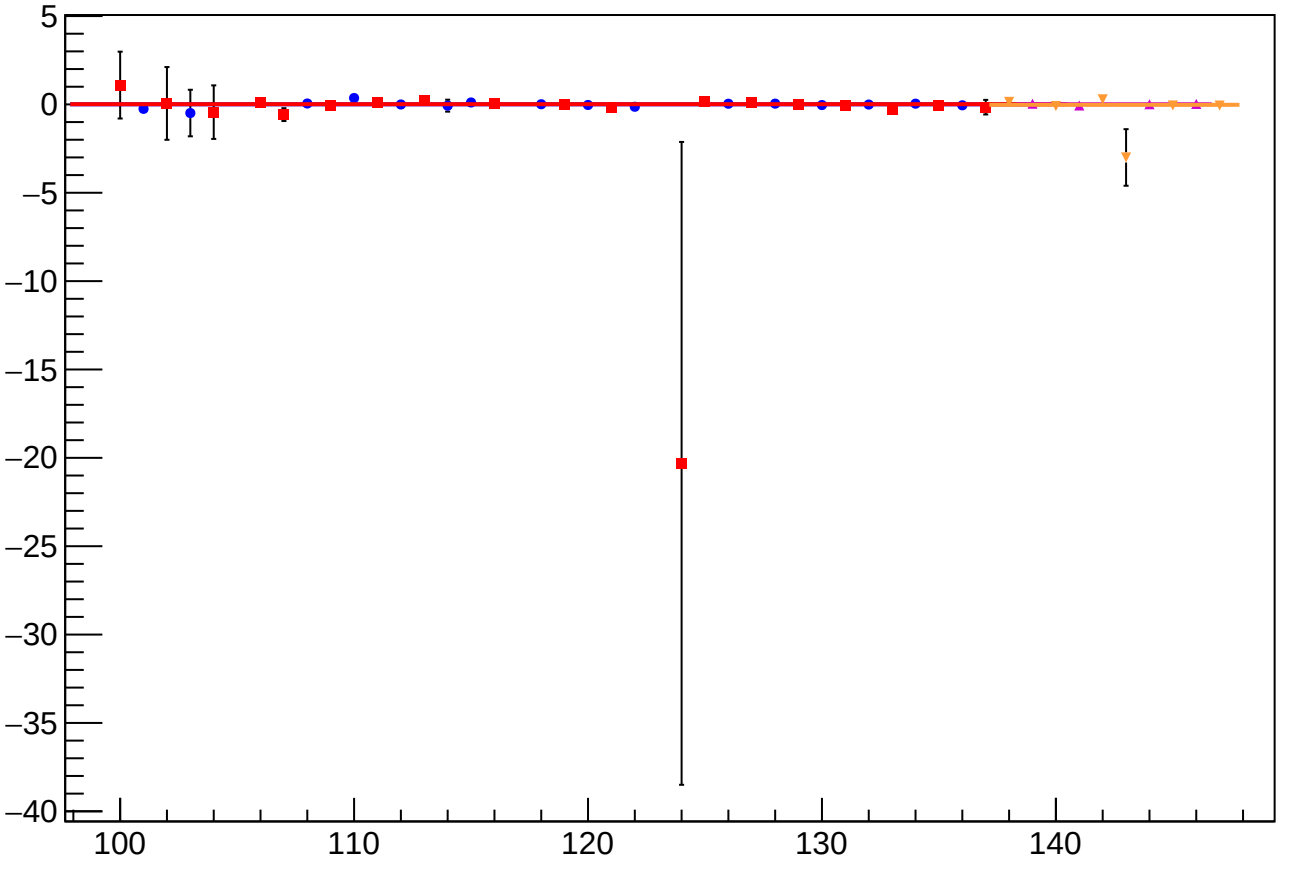
Left In: 0.001+/-0.000 χ^2/NDF:1264025.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 13918031.6/21

All: 0.000+/-0.000 χ^2/NDF: 26032322.4/44

- sign 0.000+/-0.000 χ^2/NDF: 12113131.6/22

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

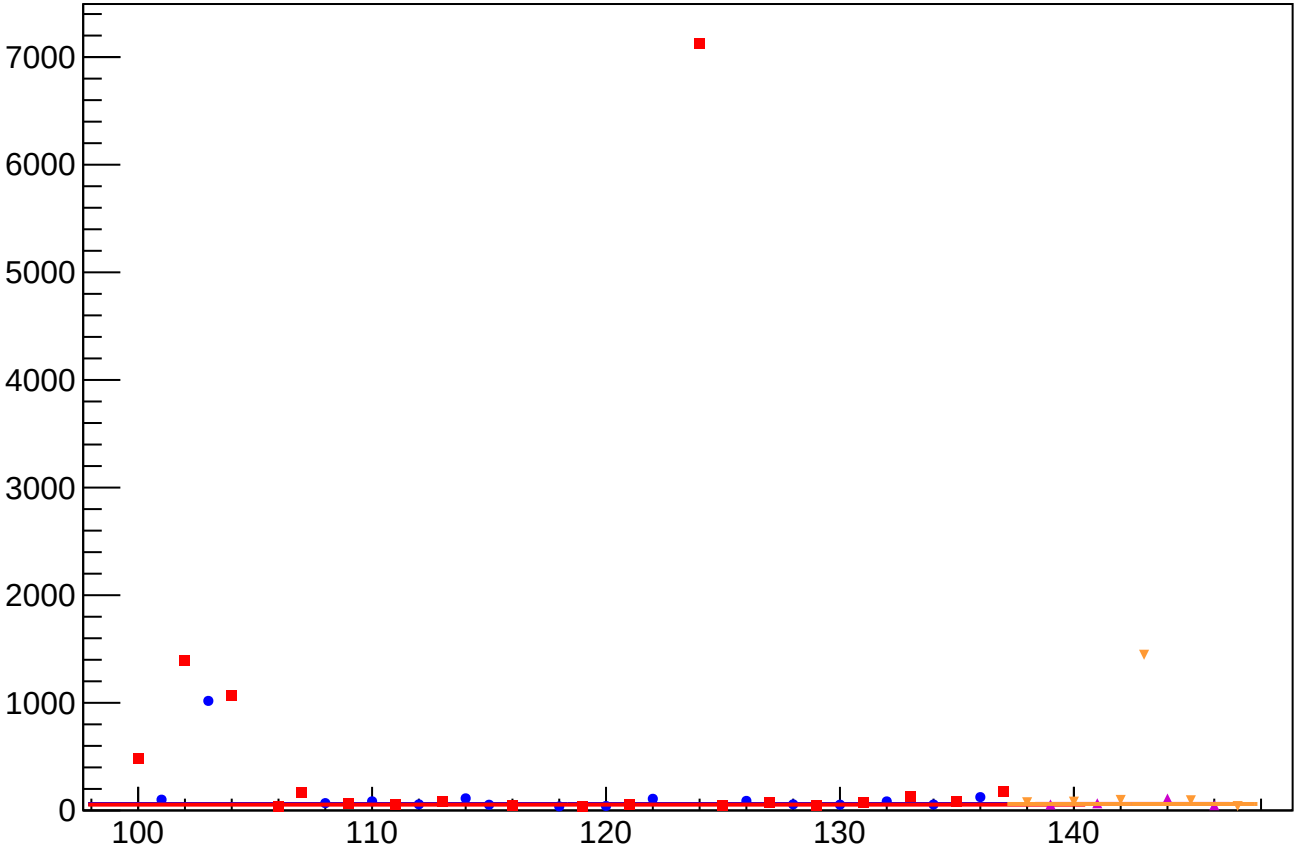
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.003+/-0.015 χ^2/NDF: 43.0/44

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

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: 60.125+/-0.025 χ^2/NDF:2309803.9/5

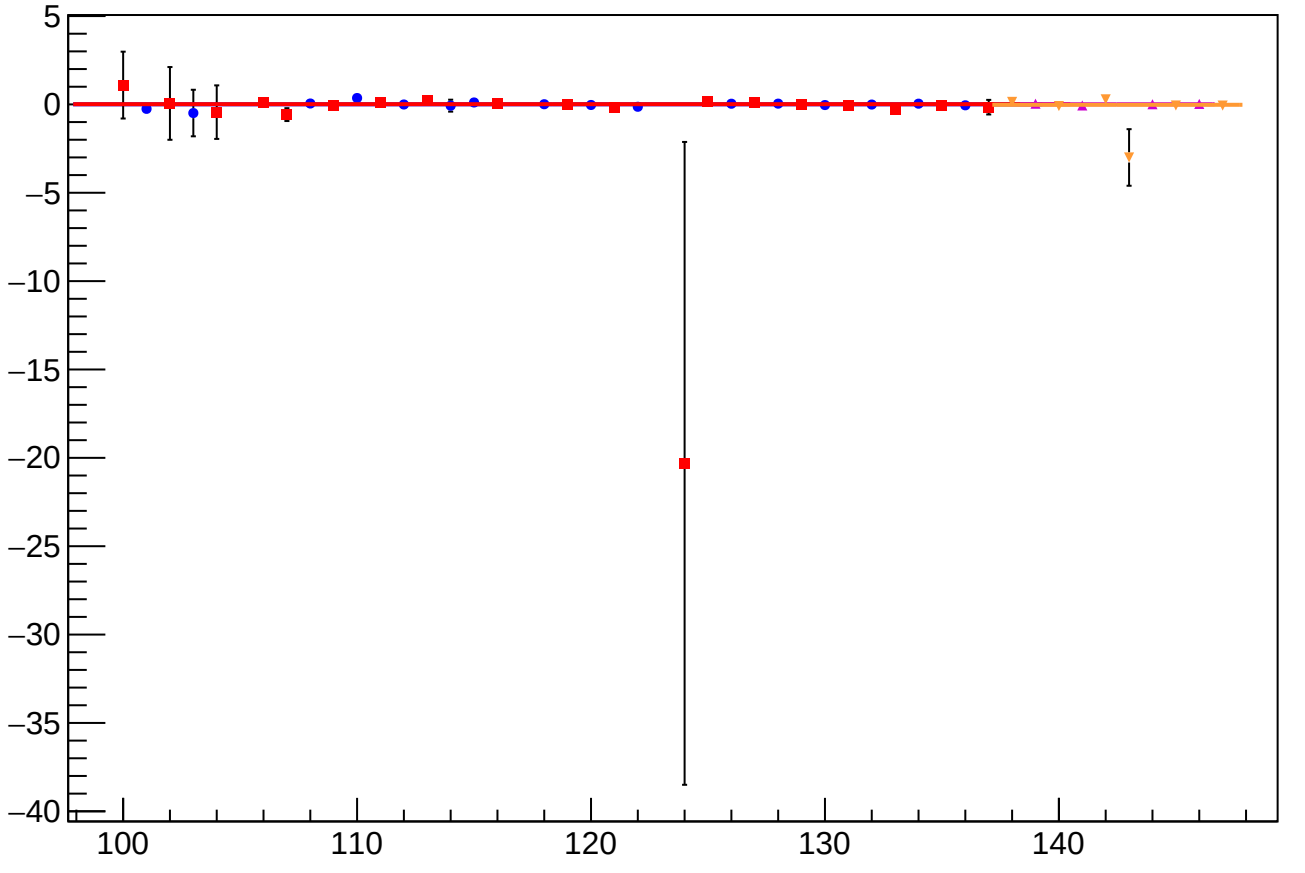
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

+ sign 59.943+/-0.015 χ^2/NDF: 4848768.0/21

All: 58.154+/-0.011 χ^2/NDF: 8894078.1/44

- sign 56.424+/-0.015 χ^2/NDF: 4017700.4/22



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

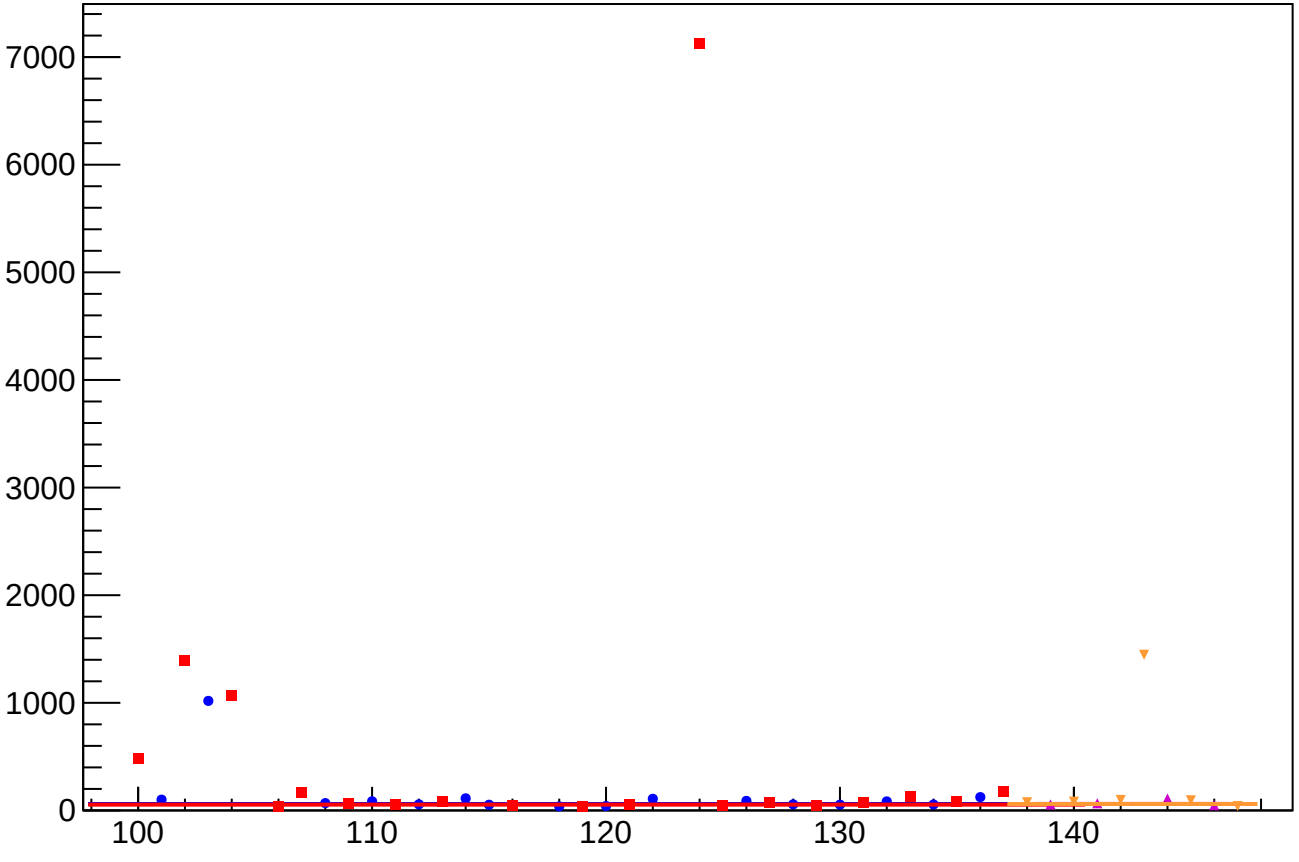
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.003+/-0.015 χ^2/NDF: 43.0/44

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309803.9/5

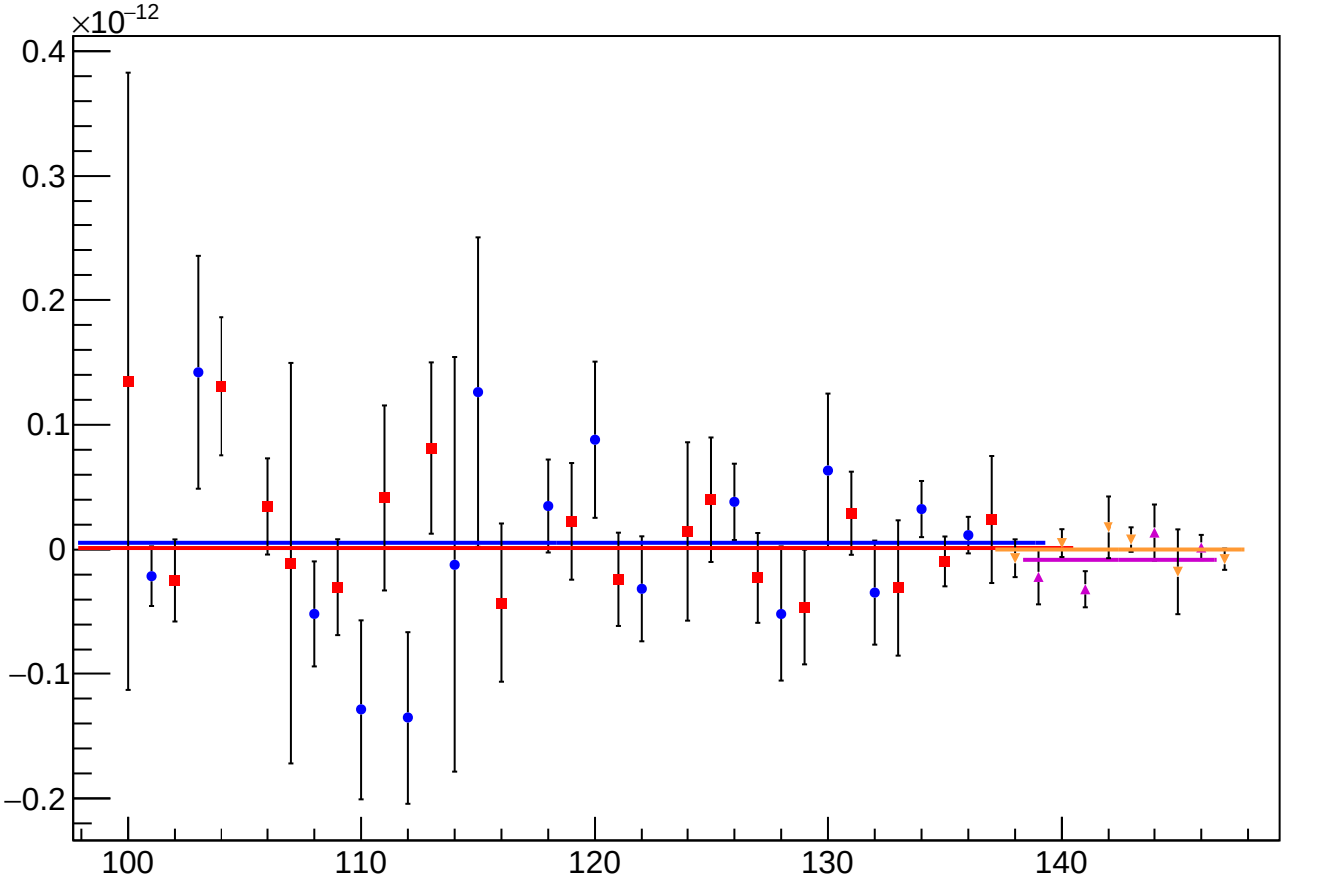
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

+ sign 59.943+/-0.015 χ^2/NDF: 4848768.0/21

All: 58.154+/-0.011 χ^2/NDF: 8894078.1/44

- sign 56.424+/-0.015 χ^2/NDF: 4017700.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/5

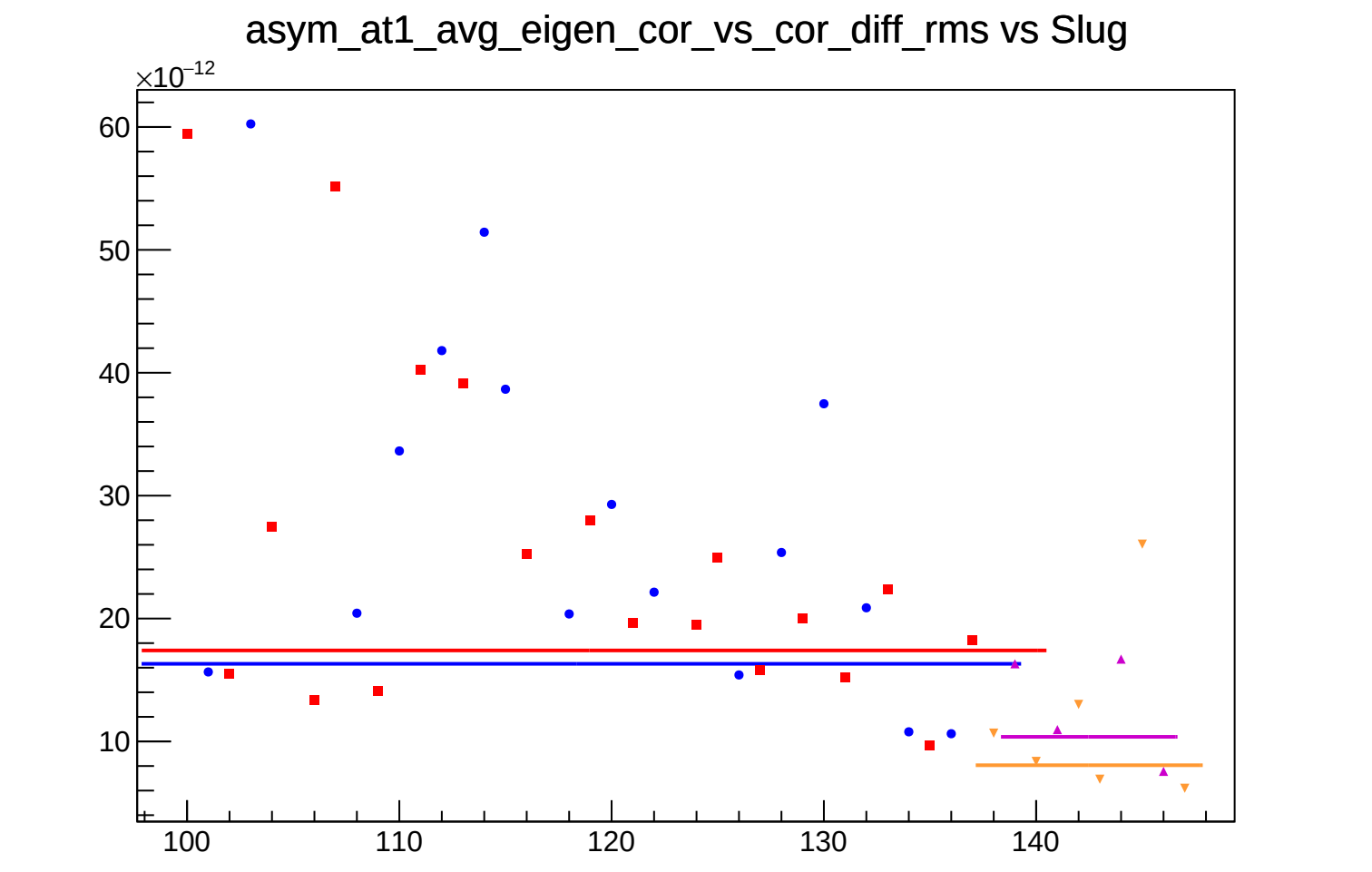
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/21

All: -0.000+/-0.000 χ^2/NDF: 46.2/44

- sign -0.000+/-0.000 χ^2/NDF: 19.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:826146.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

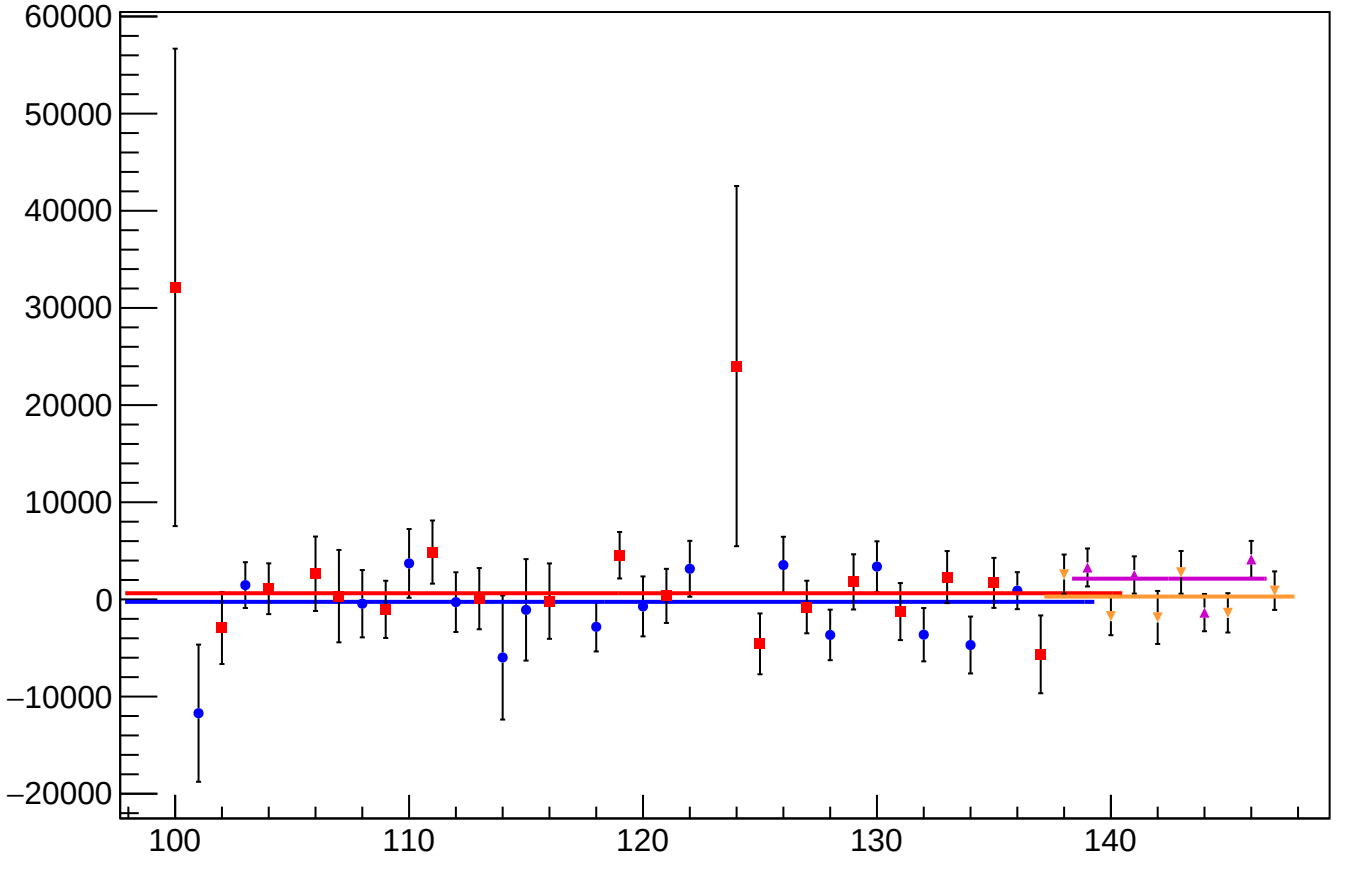
Left In: 0.000+/-0.000 χ^2/NDF:463110.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4077884.6/21

All: 0.000+/-0.000 χ^2/NDF: 6680168.4/44

- sign 0.000+/-0.000 χ^2/NDF: 2322958.0/22

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 293.716+/-863.413 χ^2/NDF:5.0/5

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

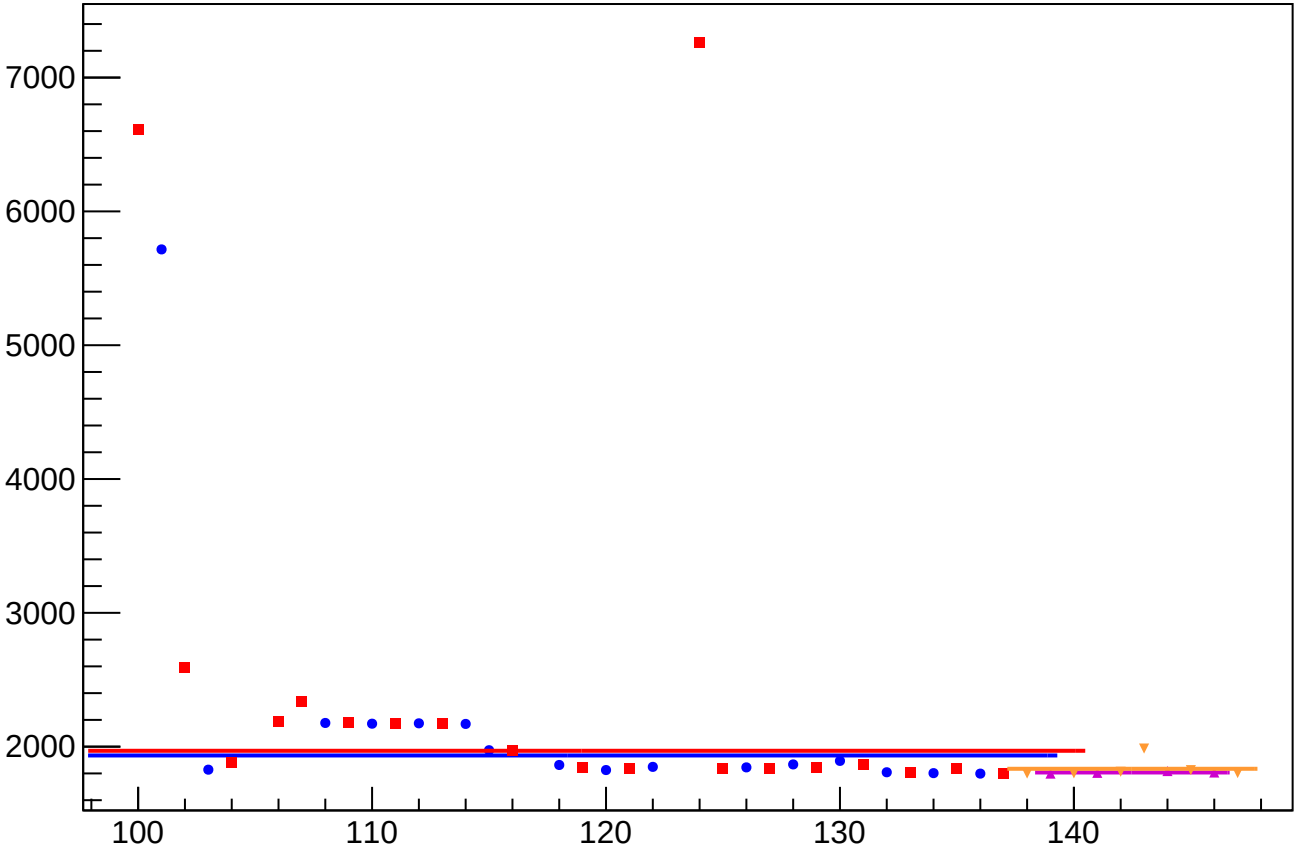
Left In: 2135.952+/-961.204 χ^2/NDF:4.8/3

+ sign -22.255+/-559.723 χ^2/NDF: 22.5/21

All: 558.019+/-404.128 χ^2/NDF: 47.0/44

- sign 1189.945+/-584.103 χ^2/NDF: 22.2/22

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

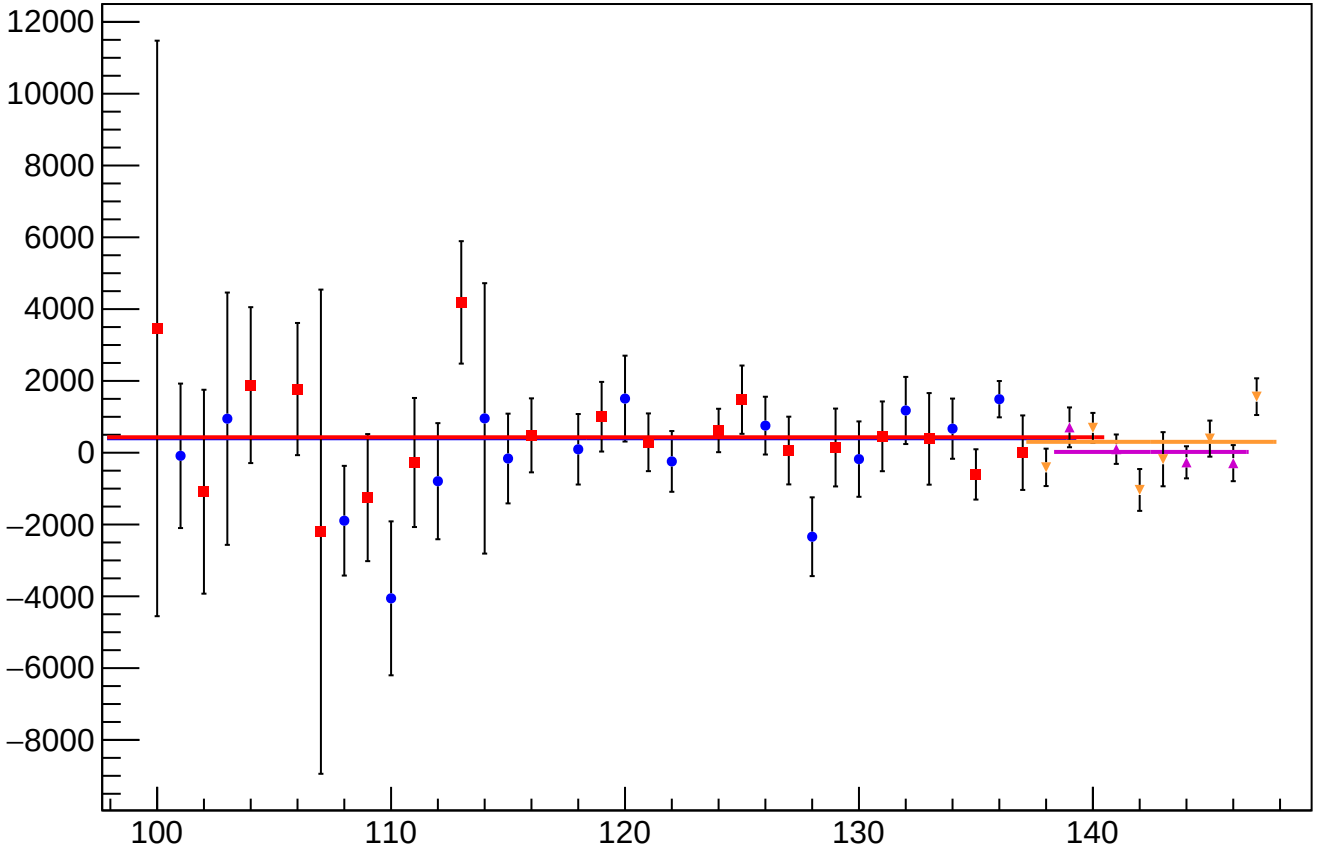
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.9/21

All: 1900.505+/-0.286 χ^2/NDF: 1081966.5/44

- sign 1909.322+/-0.413 χ^2/NDF: 414384.3/22

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 303.120+/-213.391 χ^2/NDF:14.5/5

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

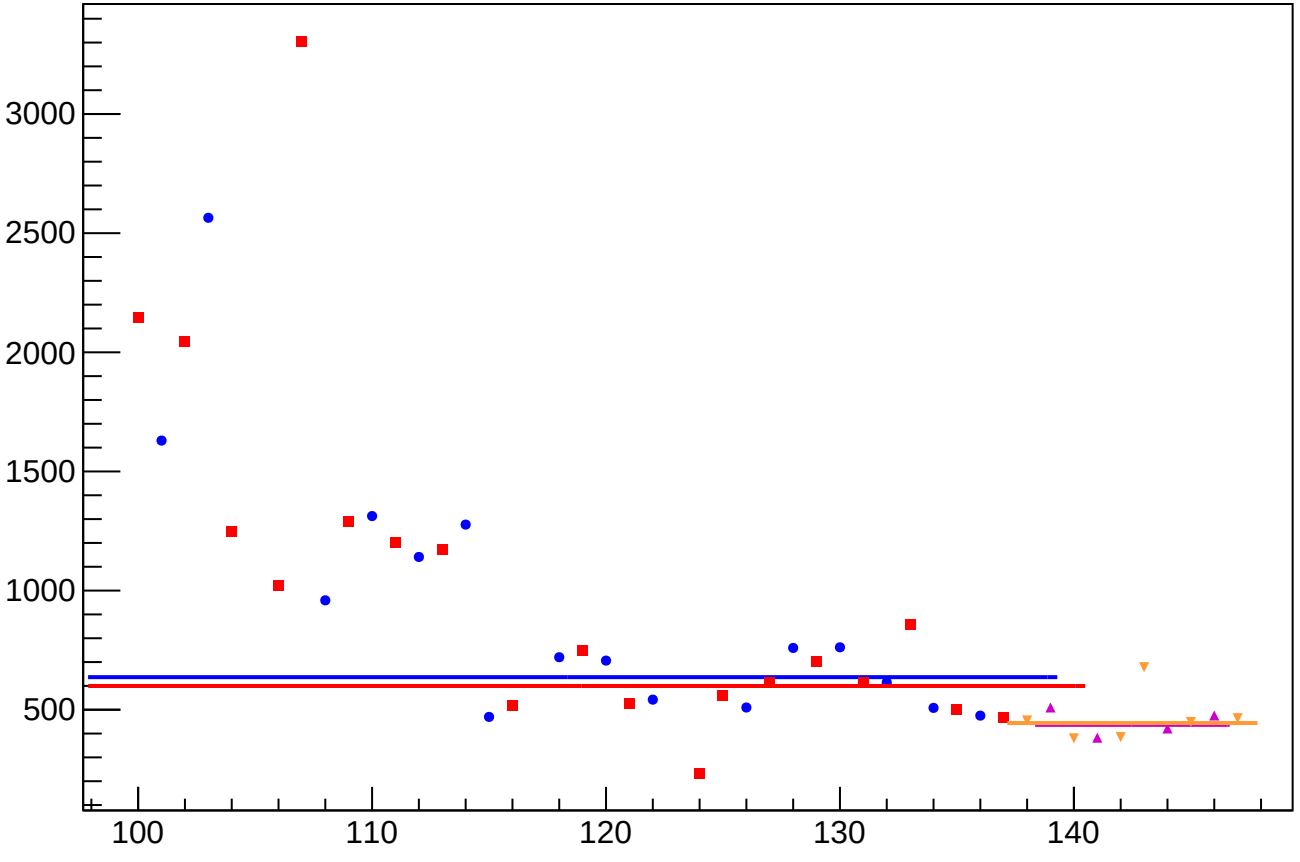
Left In: 21.818+/-234.599 χ^2/NDF:2.4/3

\+ sign 343.433+/-164.583 χ^2/NDF: 35.8/21

All: 279.978+/-118.903 χ^2/NDF: 51.6/44

\- sign 210.699+/-171.969 χ^2/NDF: 15.5/22

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 444.124+/-0.151 χ^2/NDF:265522.5/5

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

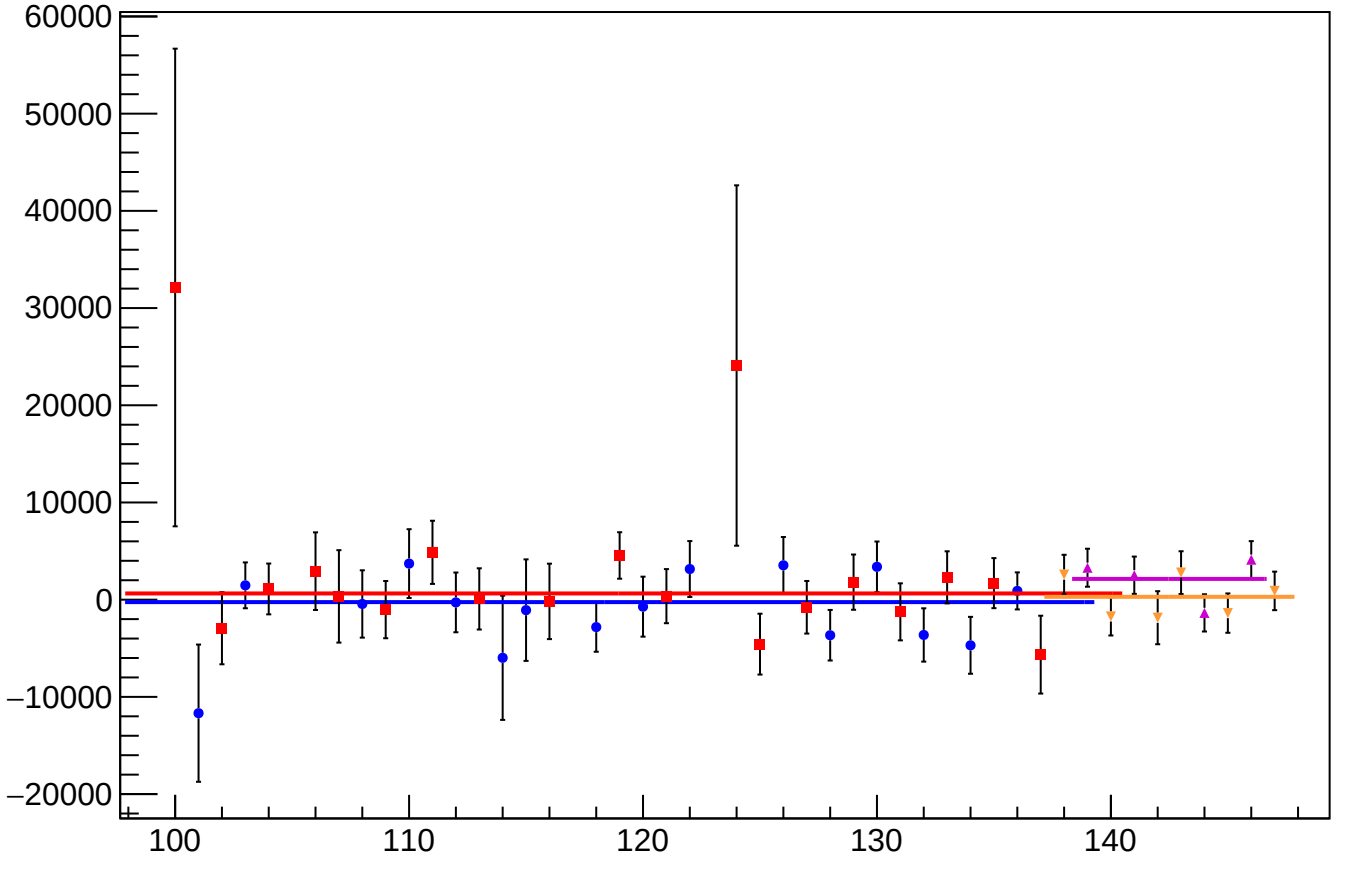
Left In: 436.407+/-0.166 χ^2/NDF:83698.8/3

+ sign 522.144+/-0.116 χ^2/NDF: 2992317.6/21

All: 517.258+/-0.084 χ^2/NDF: 6471733.6/44

- sign 511.925+/-0.122 χ^2/NDF: 3475730.0/22

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

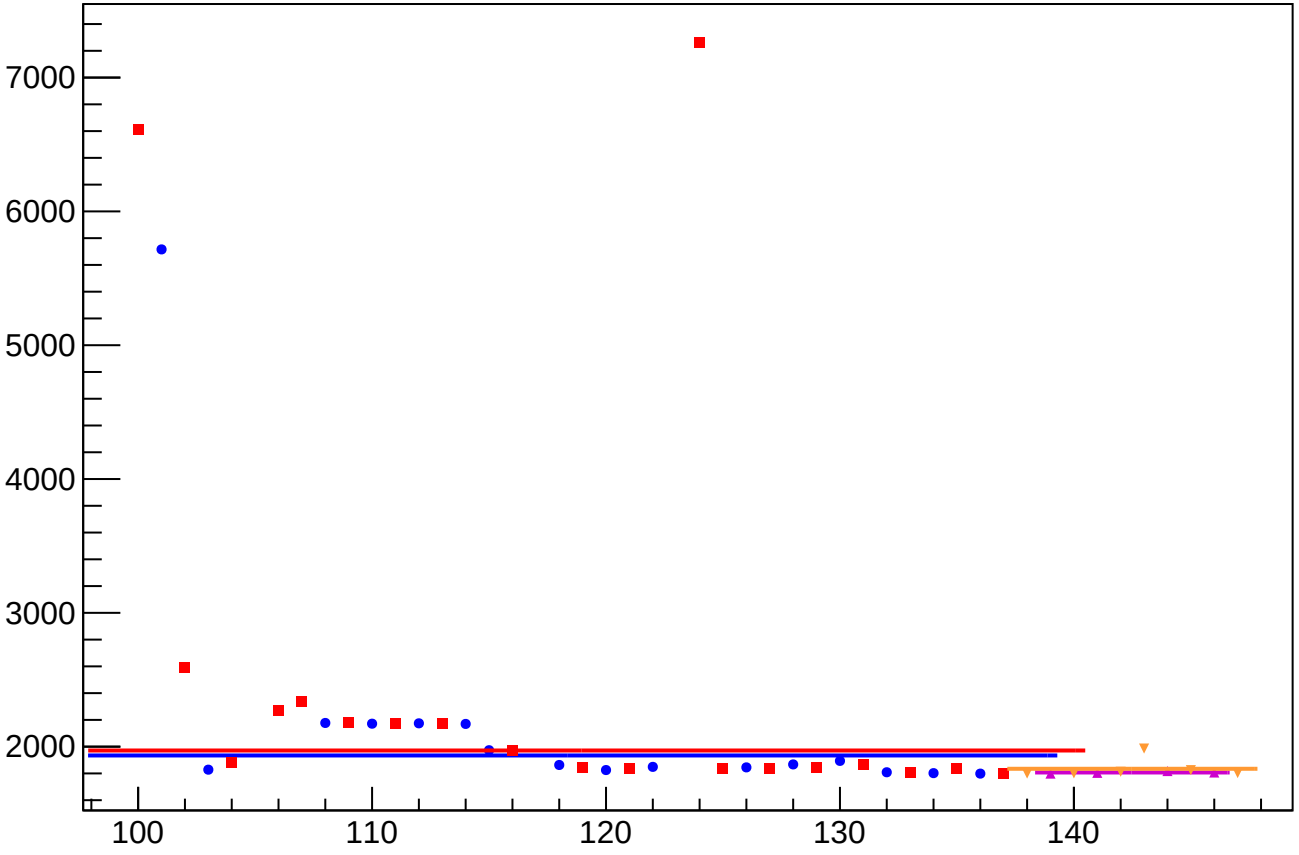
Left In: 2136.010+/-961.204 χ^2/NDF:4.8/3

+ sign -21.835+/-559.723 χ^2/NDF: 22.5/21

All: 559.621+/-404.306 χ^2/NDF: 47.0/44

- sign 1193.997+/-584.640 χ^2/NDF: 22.3/22

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

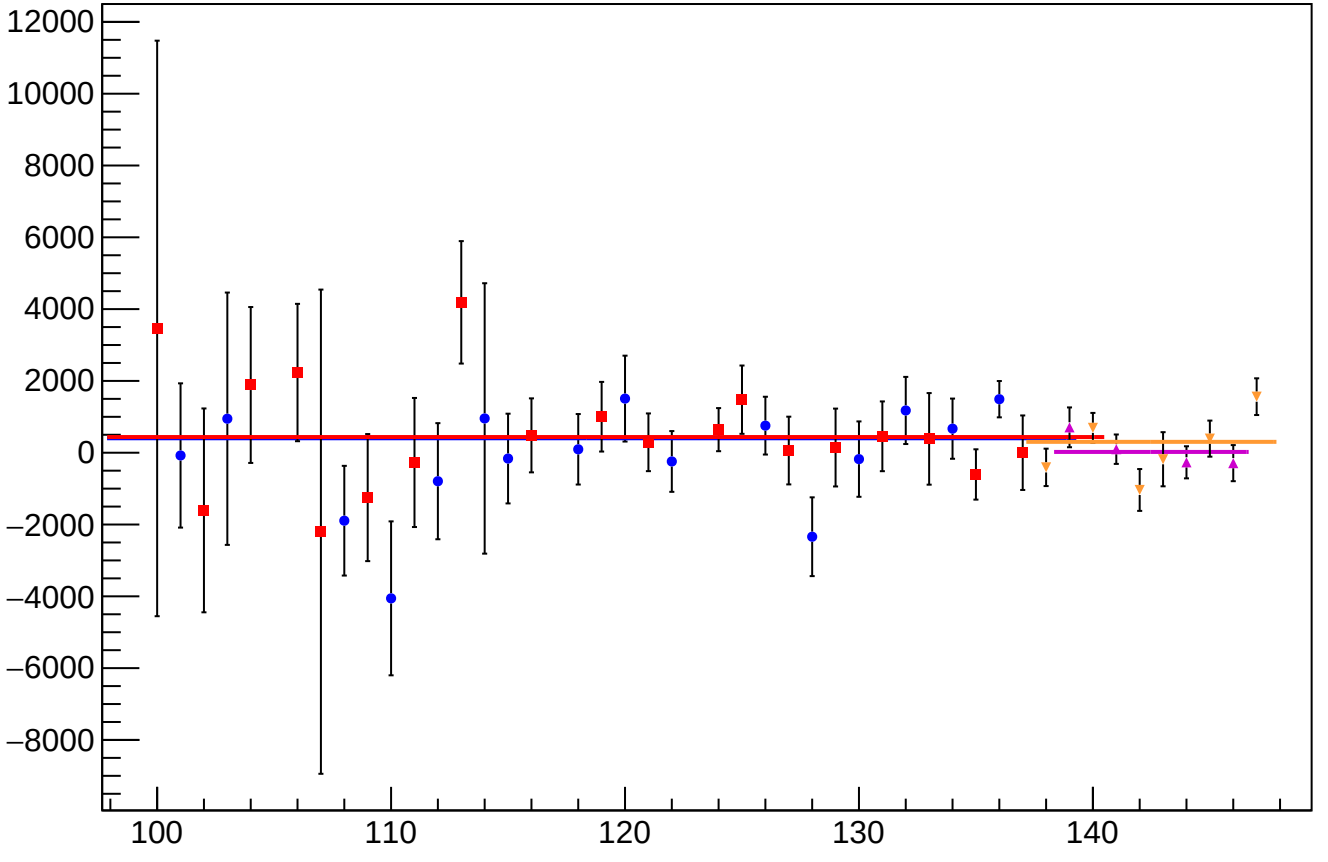
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.8/21

All: 1901.093+/-0.286 χ^2/NDF: 1087816.7/44

- sign 1910.569+/-0.413 χ^2/NDF: 420101.9/22

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

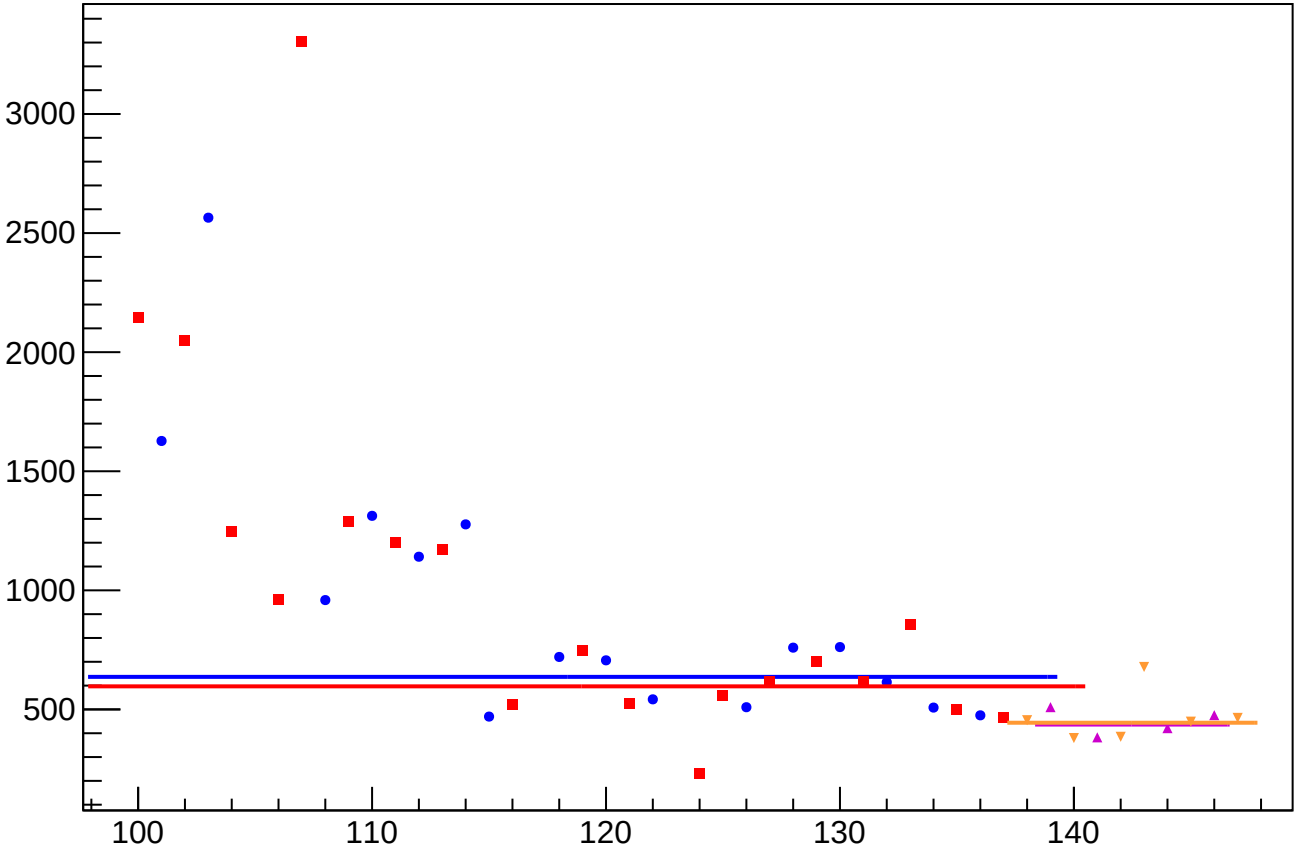
Left In: 21.924+/-234.594 χ^2/NDF:2.4/3

+ sign 343.403+/-164.582 χ^2/NDF: 35.8/21

All: 281.493+/-118.886 χ^2/NDF: 52.2/44

- sign 213.940+/-171.919 χ^2/NDF: 16.2/22

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

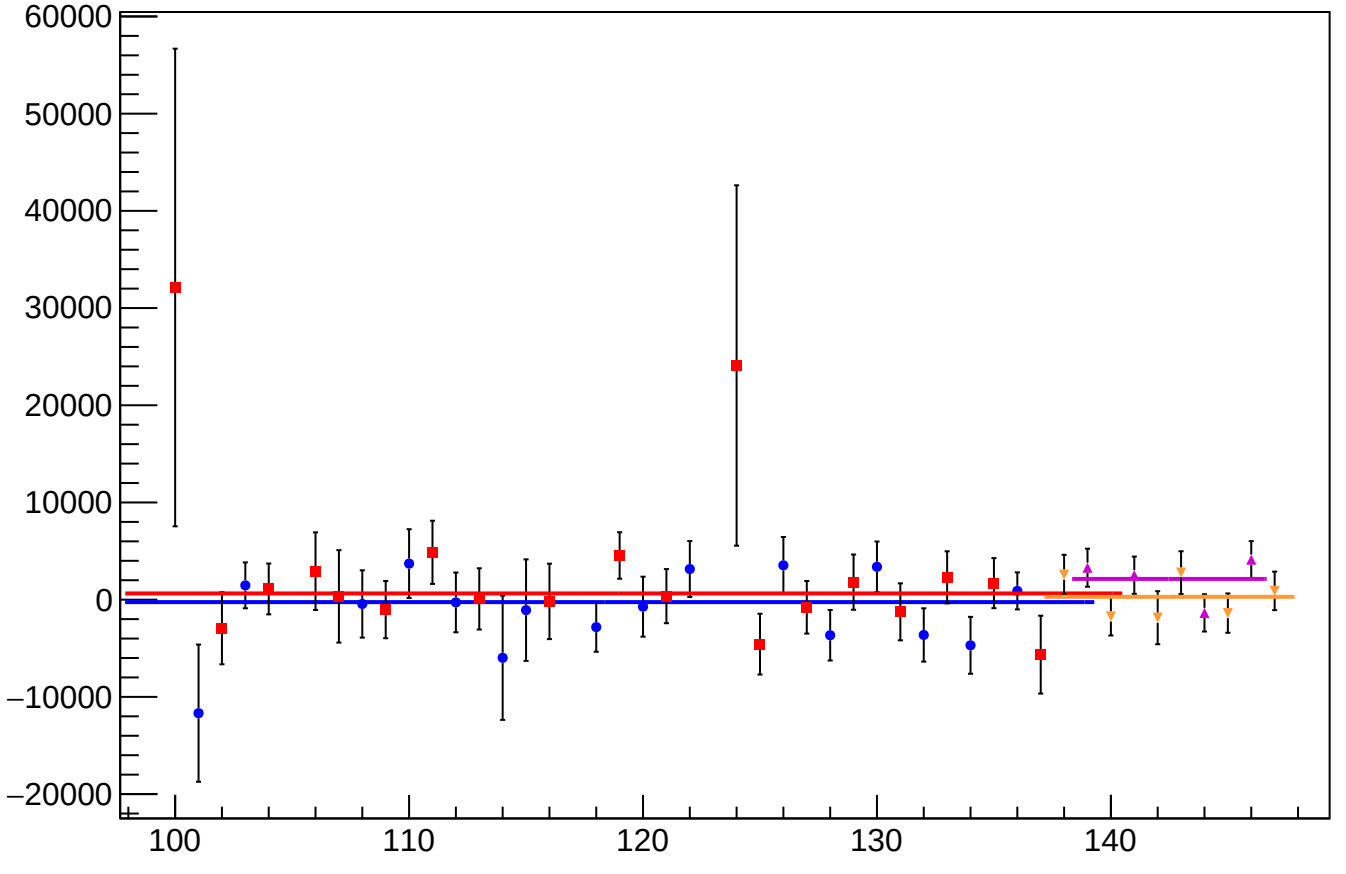
Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

+ sign 522.153+/-0.116 χ^2/NDF: 2991364.5/21

All: 516.669+/-0.084 χ^2/NDF: 6443343.2/44

- sign 510.685+/-0.122 χ^2/NDF: 3447335.2/22

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

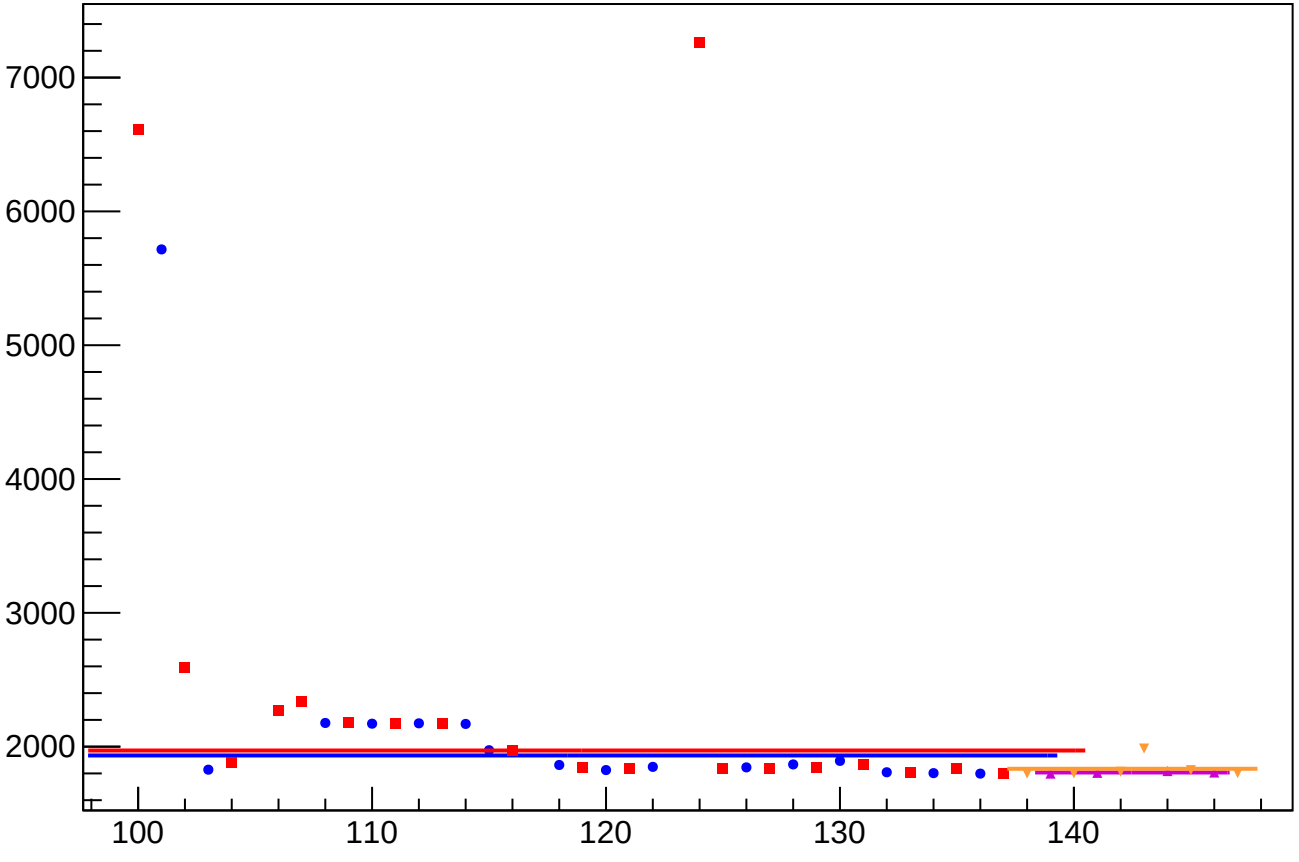
Left In: 2136.010+/-961.204 χ^2/NDF:4.8/3

+ sign -21.835+/-559.723 χ^2/NDF: 22.5/21

All: 559.621+/-404.306 χ^2/NDF: 47.0/44

- sign 1193.997+/-584.640 χ^2/NDF: 22.3/22

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

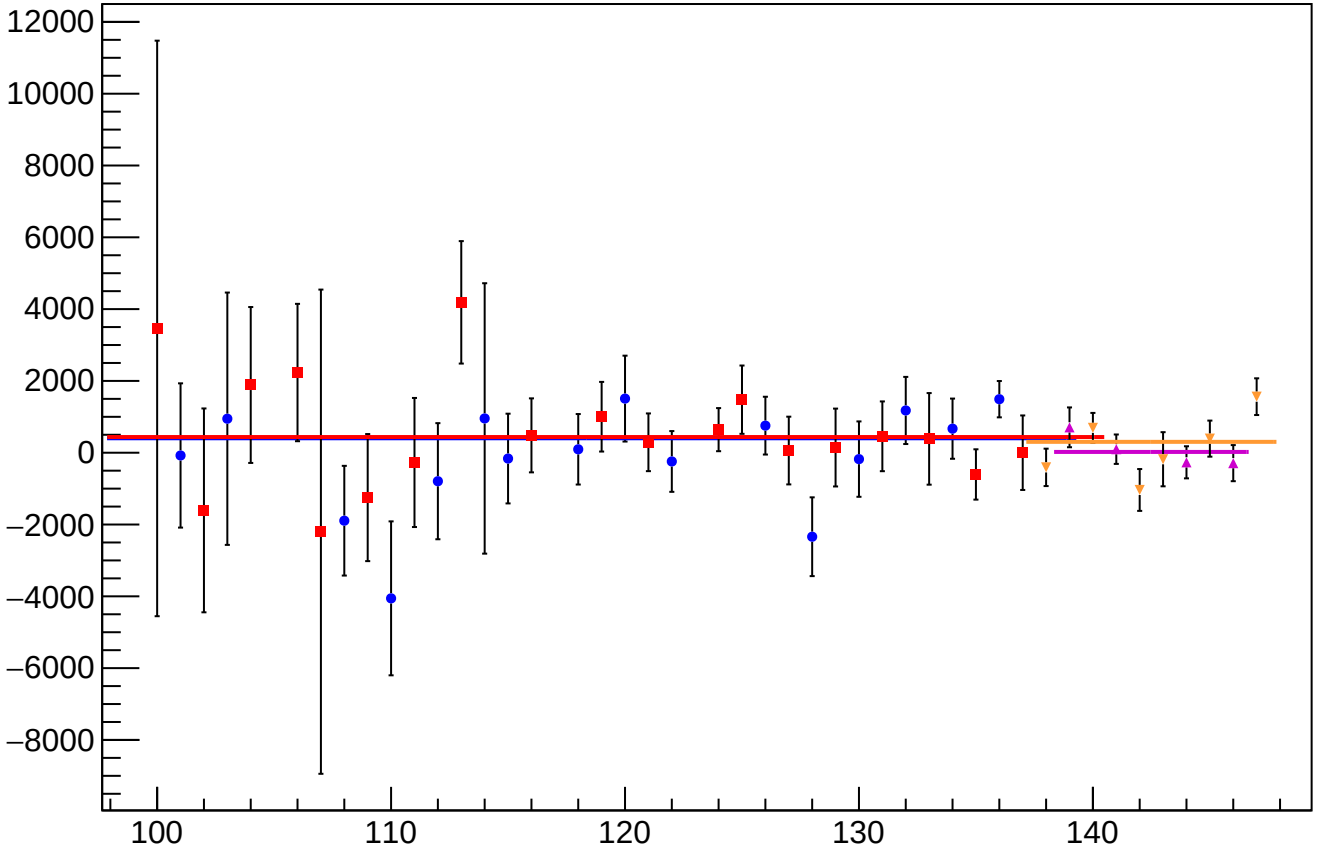
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.8/21

All: 1901.093+/-0.286 χ^2/NDF: 1087816.7/44

- sign 1910.569+/-0.413 χ^2/NDF: 420101.9/22

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

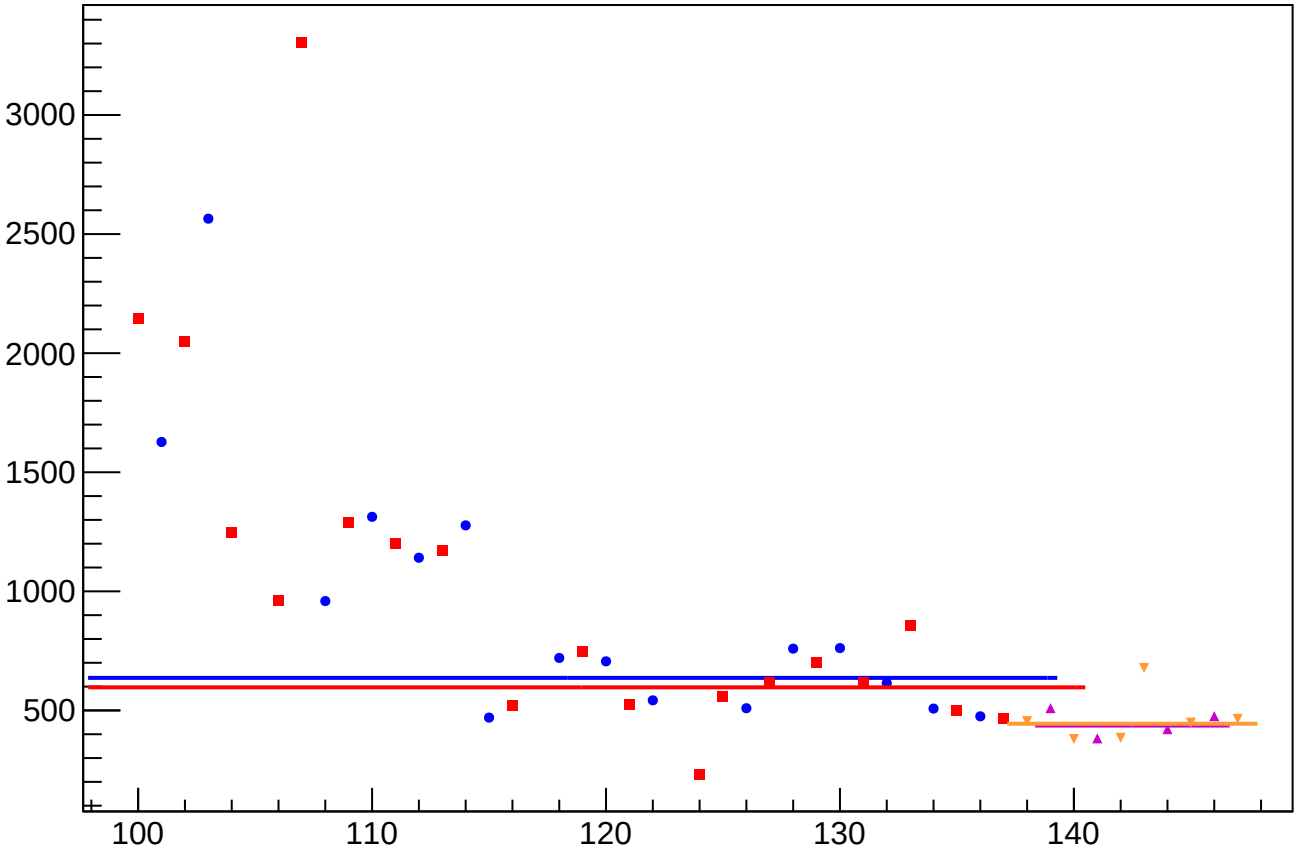
Left In: 21.924+/-234.594 χ^2/NDF:2.4/3

+ sign 343.403+/-164.582 χ^2/NDF: 35.8/21

All: 281.493+/-118.886 χ^2/NDF: 52.2/44

- sign 213.940+/-171.919 χ^2/NDF: 16.2/22

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

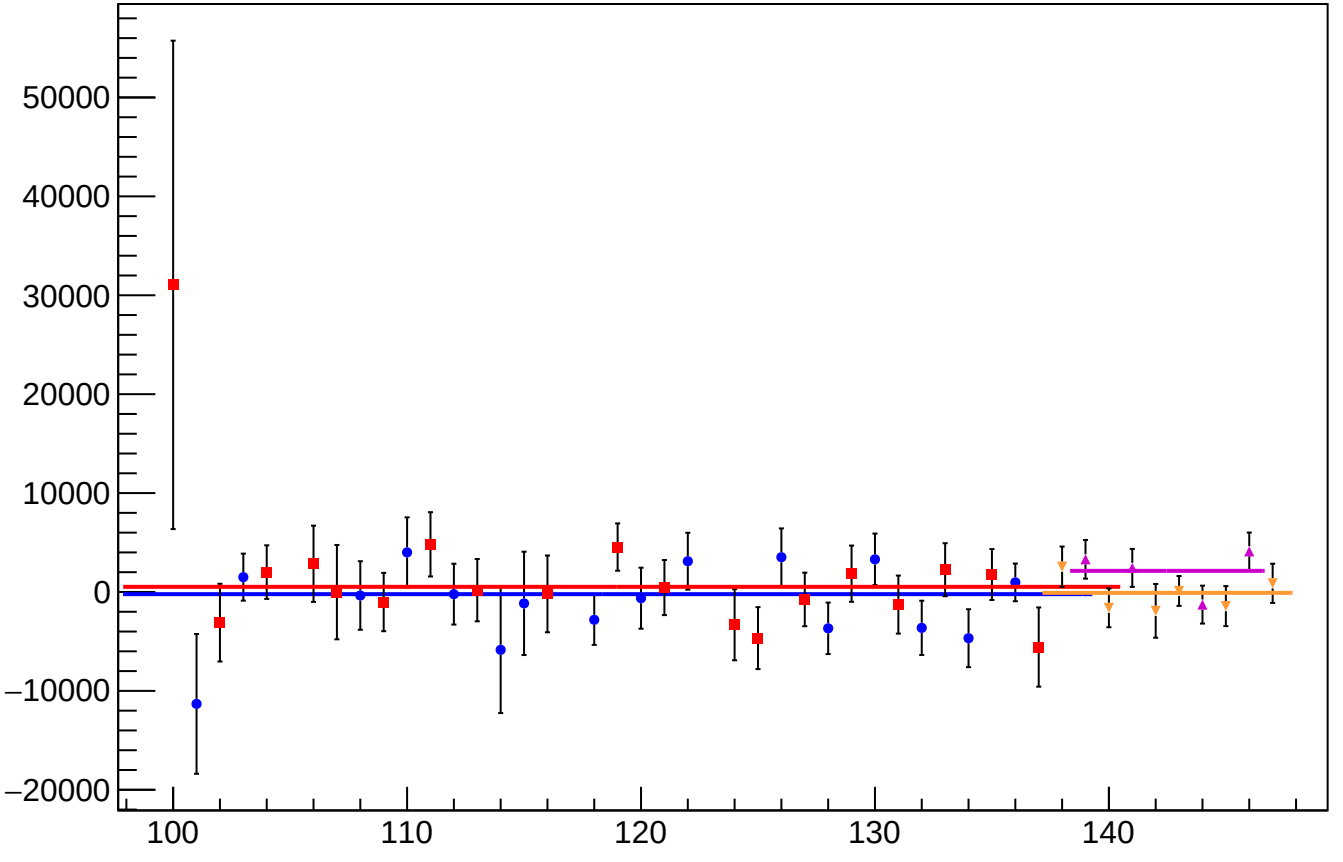
Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

+ sign 522.153+/-0.116 χ^2/NDF: 2991364.5/21

All: 516.669+/-0.084 χ^2/NDF: 6443343.2/44

- sign 510.685+/-0.122 χ^2/NDF: 3447335.2/22

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -89.292+/-797.202 χ^2/NDF:3.4/5

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

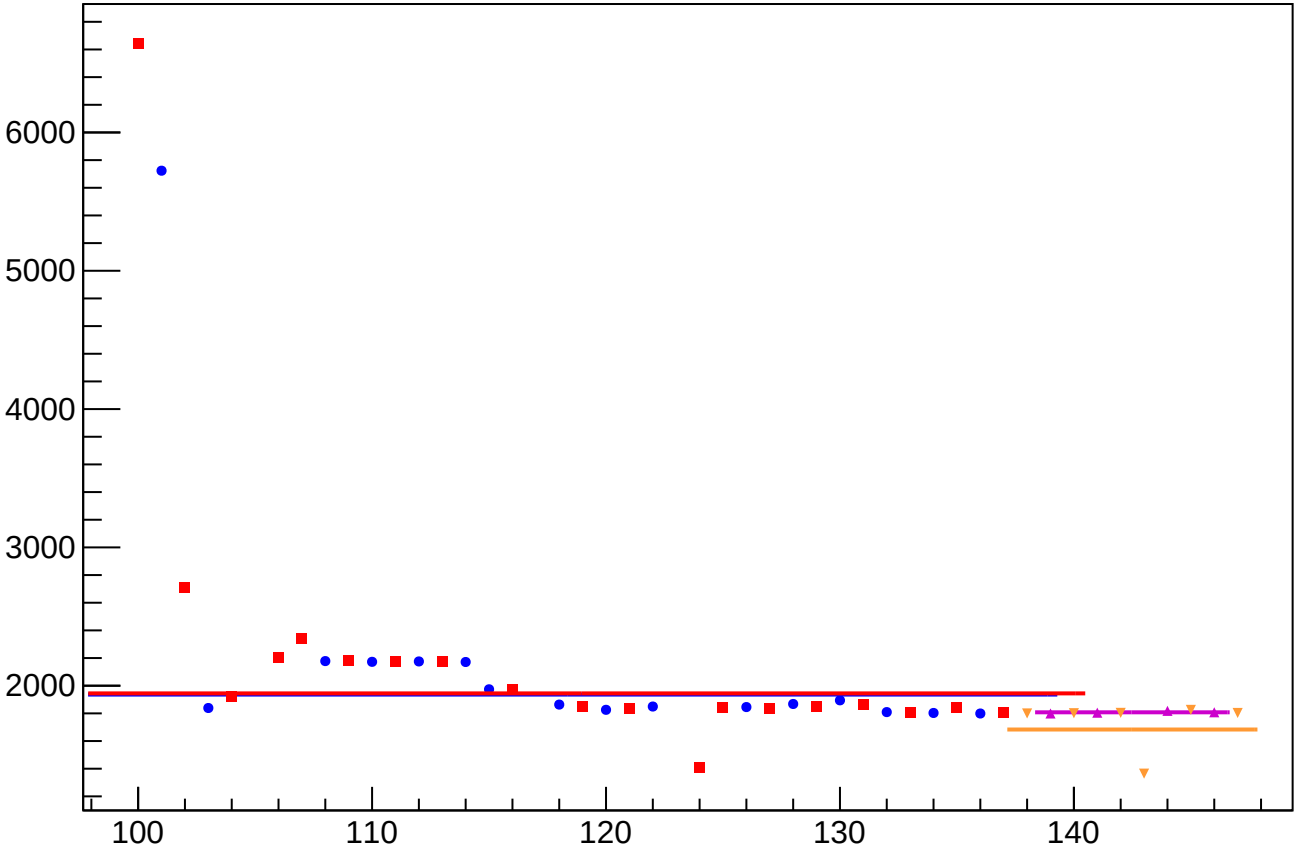
Left In: 2136.935+/-961.560 χ^2/NDF:4.6/3

+ sign -160.077+/-540.730 χ^2/NDF: 20.5/21

All: 429.961+/-395.153 χ^2/NDF: 45.1/44

- sign 1106.197+/-578.881 χ^2/NDF: 22.0/22

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

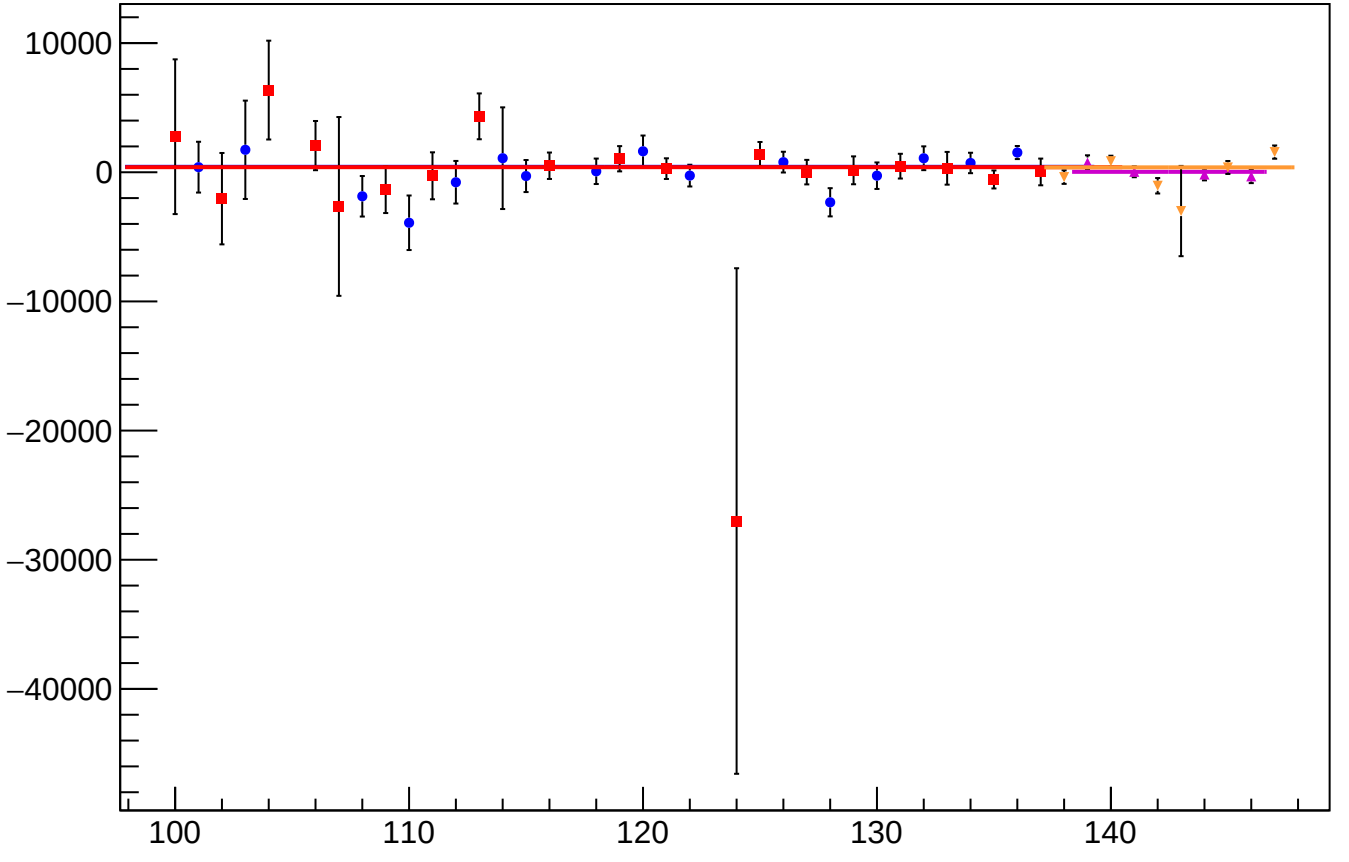
Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

+ sign 1819.741+/-0.382 χ^2/NDF: 872323.9/21

All: 1854.772+/-0.279 χ^2/NDF: 1192466.9/44

- sign 1894.921+/-0.409 χ^2/NDF: 302128.2/22

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 379.452+/-225.134 χ^2/NDF:15.2/5

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

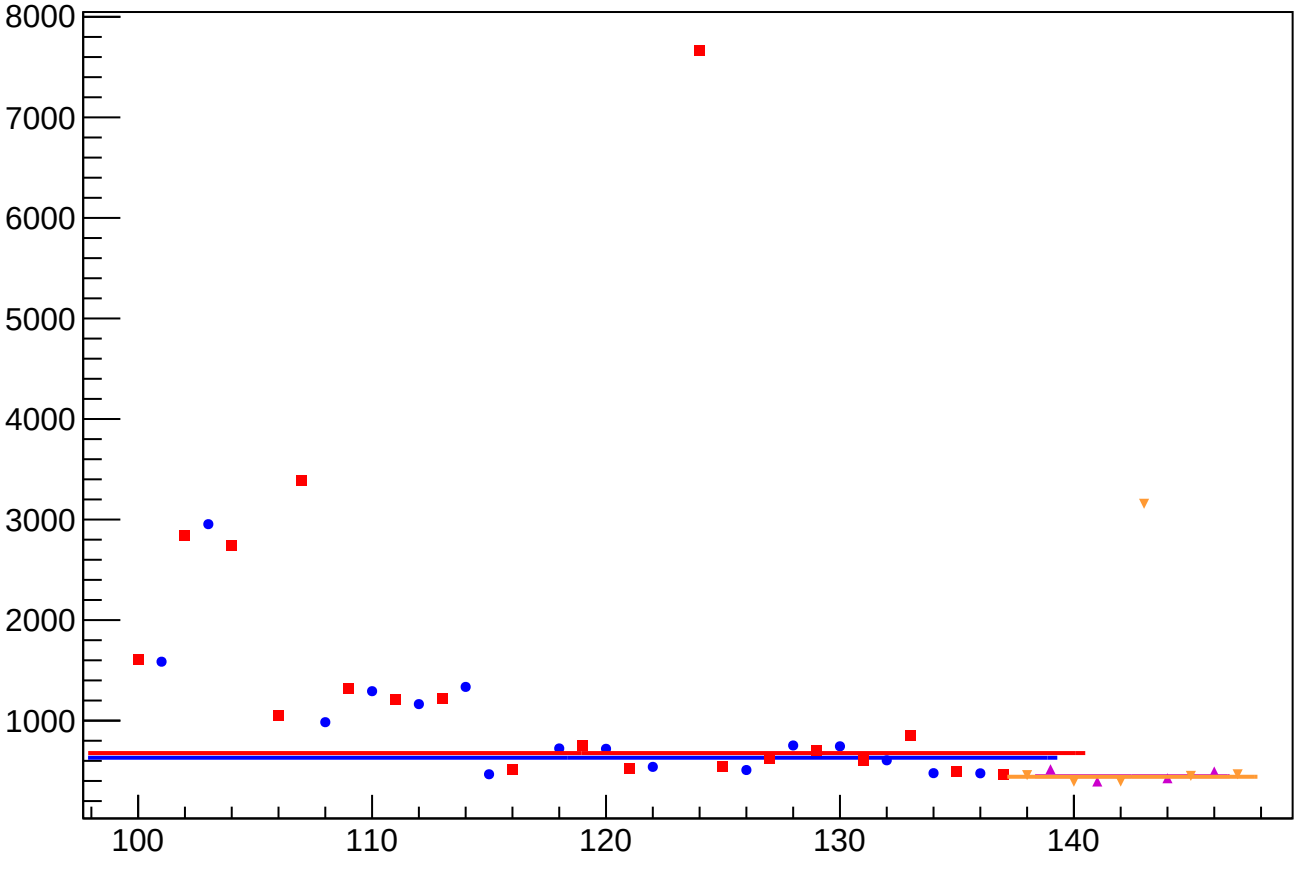
Left In: 32.300+/-240.144 χ^2/NDF:2.3/3

\+ sign 397.575+/-169.274 χ^2/NDF: 36.7/21

All: 299.398+/-124.001 χ^2/NDF: 56.6/44

\- sign 185.699+/-182.164 χ^2/NDF: 19.1/22

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 441.797+/-0.159 χ^2/NDF:1254305.5/5

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

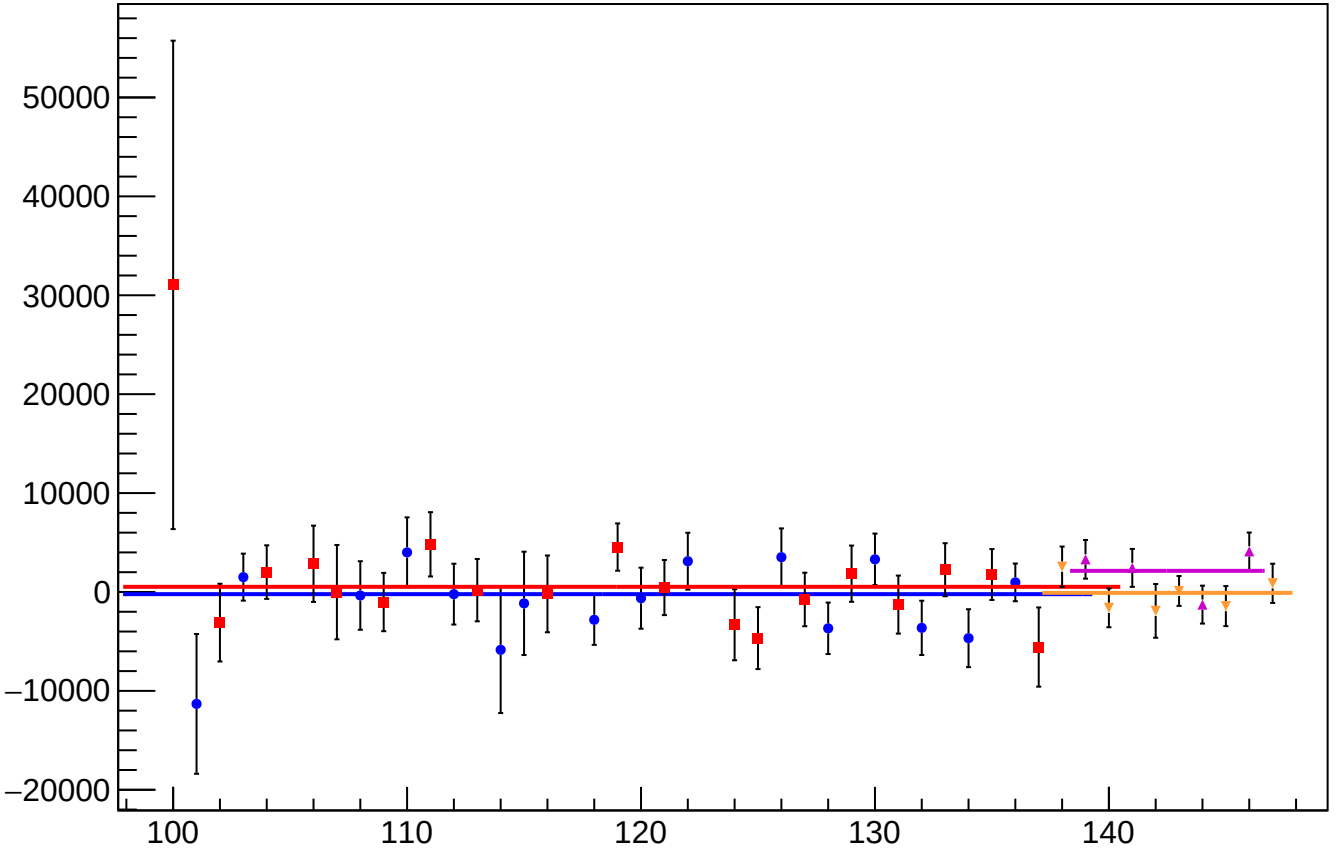
Left In: 447.265+/-0.170 χ^2/NDF:81710.0/3

+ sign 524.099+/-0.120 χ^2/NDF: 4103690.8/21

All: 533.781+/-0.088 χ^2/NDF: 8061210.8/44

- sign 544.993+/-0.129 χ^2/NDF: 3943400.7/22

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -89.293+/-797.202 χ^2/NDF:3.4/5

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

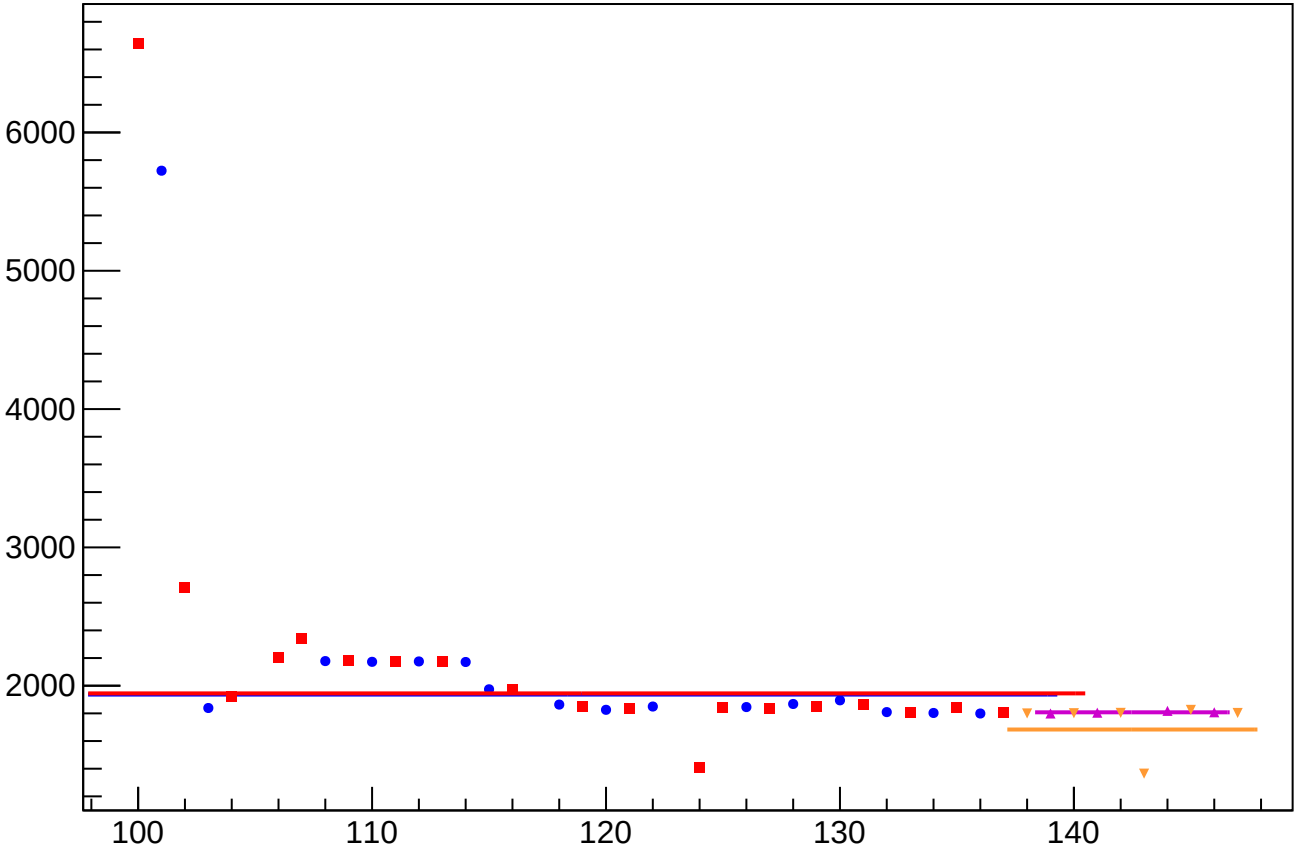
Left In: 2136.936+/-961.560 χ^2/NDF:4.6/3

+ sign -160.078+/-540.730 χ^2/NDF: 20.5/21

All: 429.961+/-395.153 χ^2/NDF: 45.1/44

- sign 1106.197+/-578.881 χ^2/NDF: 22.0/22

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

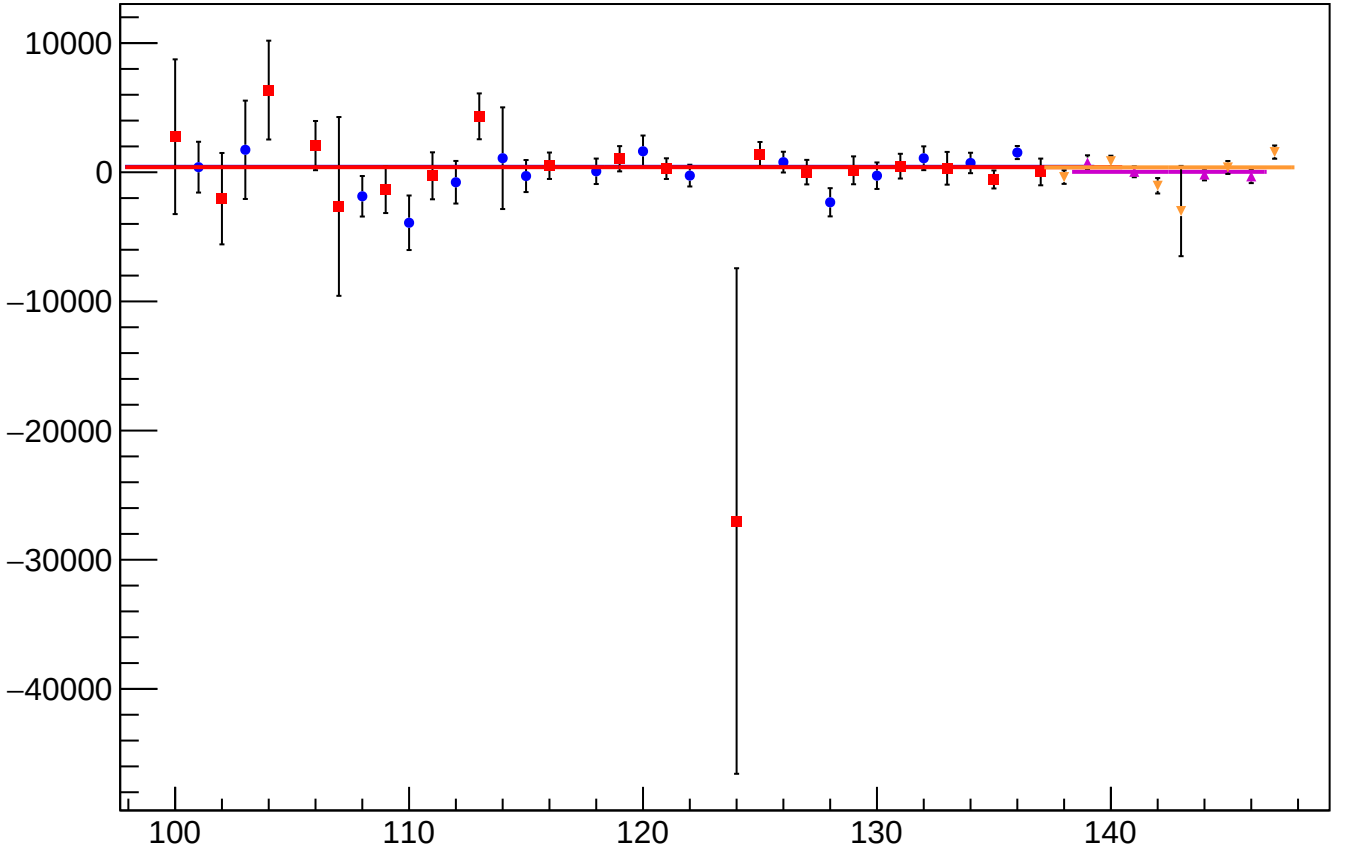
Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

+ sign 1819.741+/-0.382 χ^2/NDF: 872323.9/21

All: 1854.772+/-0.279 χ^2/NDF: 1192466.7/44

- sign 1894.921+/-0.409 χ^2/NDF: 302128.0/22

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 379.453+/-225.133 χ^2/NDF:15.2/5

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

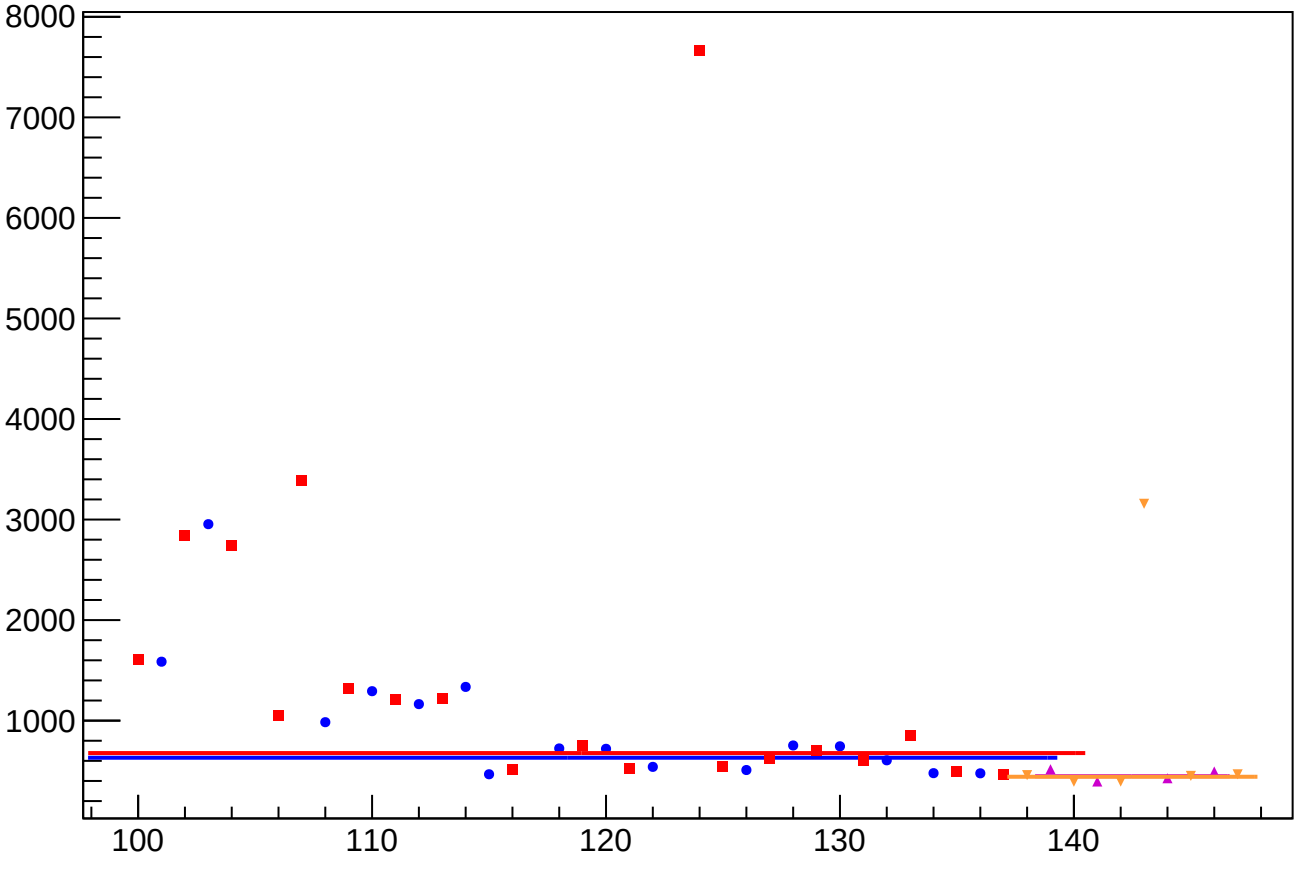
Left In: 32.301+/-240.144 χ^2/NDF:2.3/3

\+ sign 397.575+/-169.274 χ^2/NDF: 36.7/21

All: 299.398+/-124.001 χ^2/NDF: 56.6/44

\- sign 185.699+/-182.163 χ^2/NDF: 19.1/22

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 441.796+/-0.159 χ^2/NDF:1254304.4/5

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

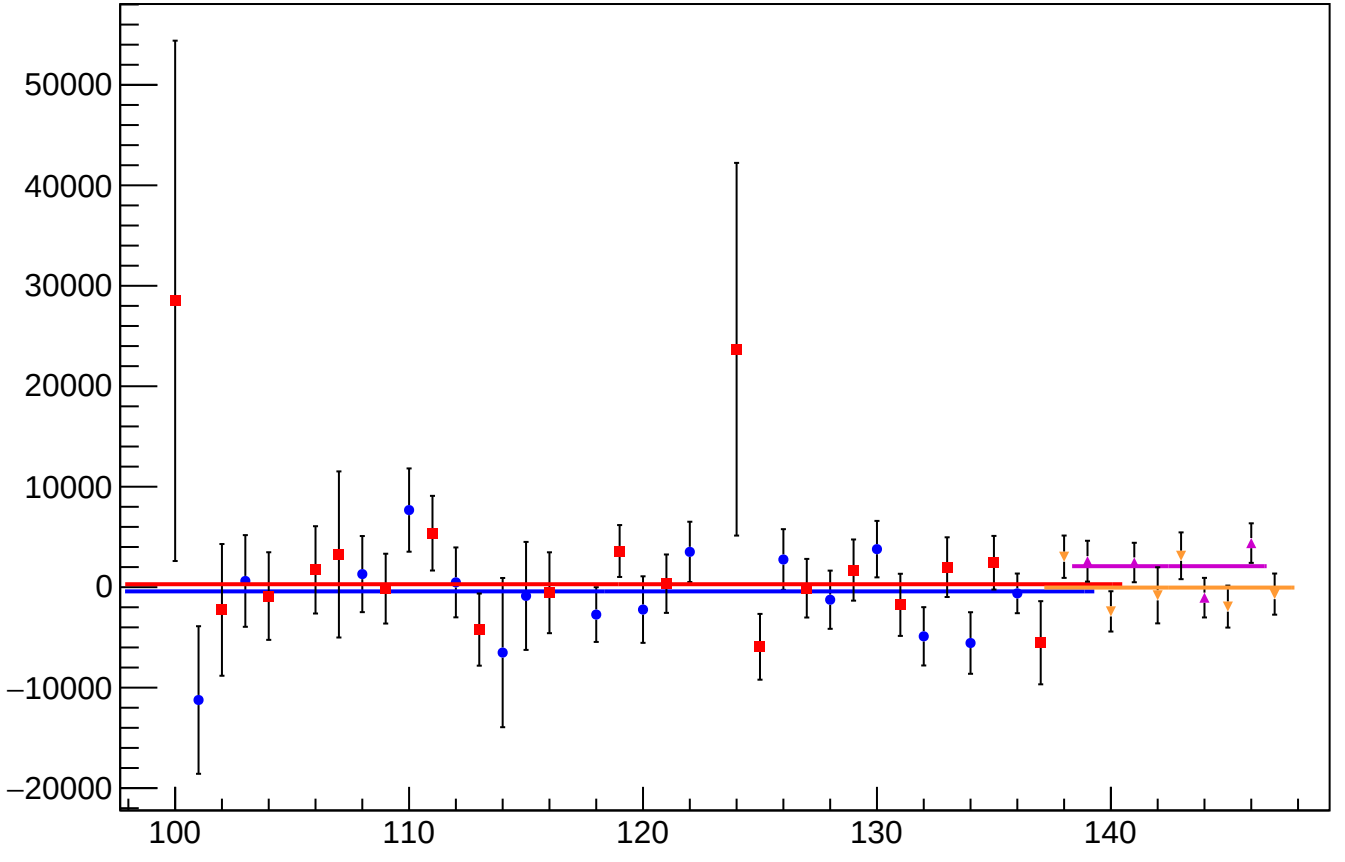
Left In: 447.264+/-0.170 χ^2/NDF:81710.4/3

+ sign 524.098+/-0.120 χ^2/NDF: 4103695.8/21

All: 533.780+/-0.088 χ^2/NDF: 8061221.0/44

- sign 544.992+/-0.129 χ^2/NDF: 3943405.4/22

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -39.654+/-893.023 χ^2/NDF:6.4/5

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

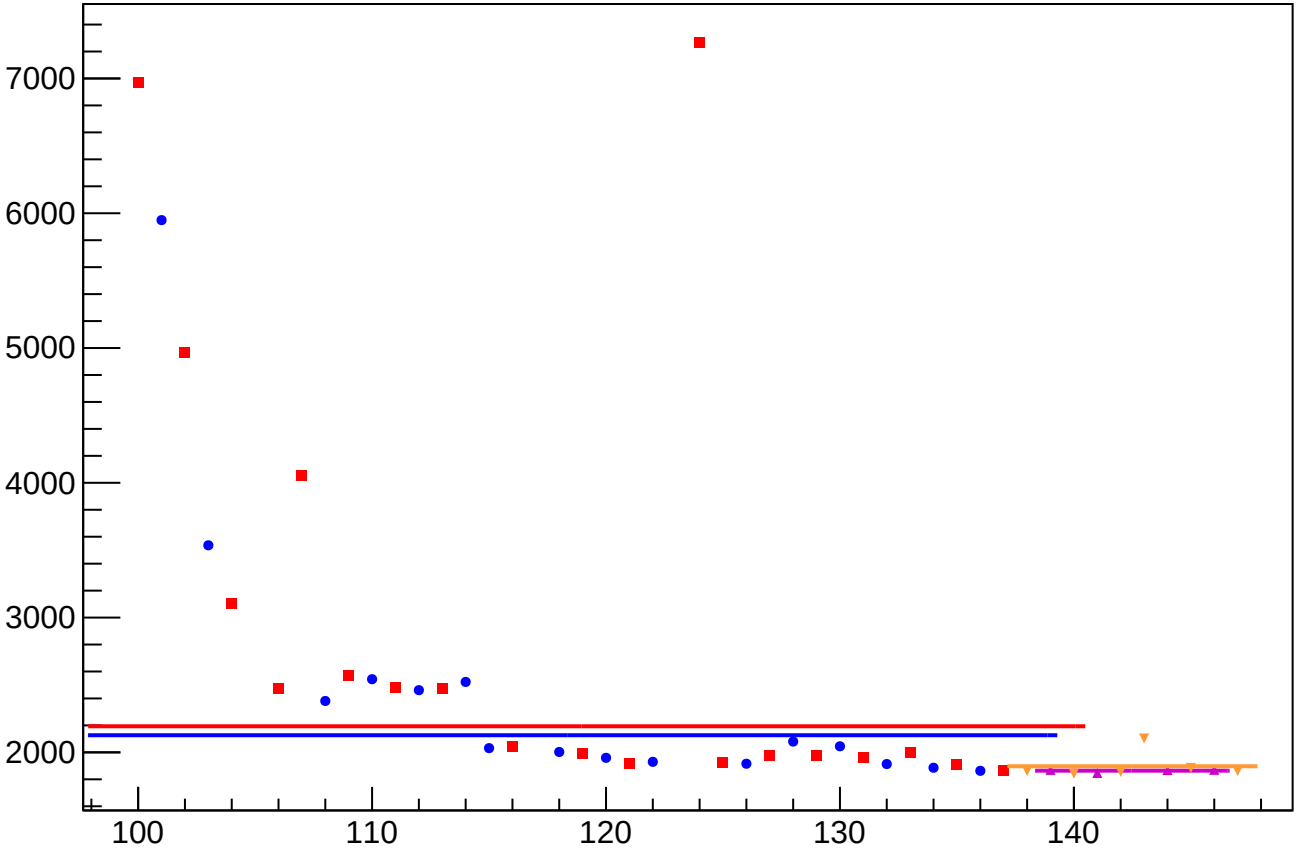
Left In: 2089.757+/-991.620 χ^2/NDF:4.0/3

+ sign -245.804+/-602.138 χ^2/NDF: 24.8/21

All: 358.772+/-437.645 χ^2/NDF: 48.5/44

- sign 1035.794+/-637.195 χ^2/NDF: 21.5/22

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1896.838+/-0.631 χ^2/NDF:18794.9/5

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

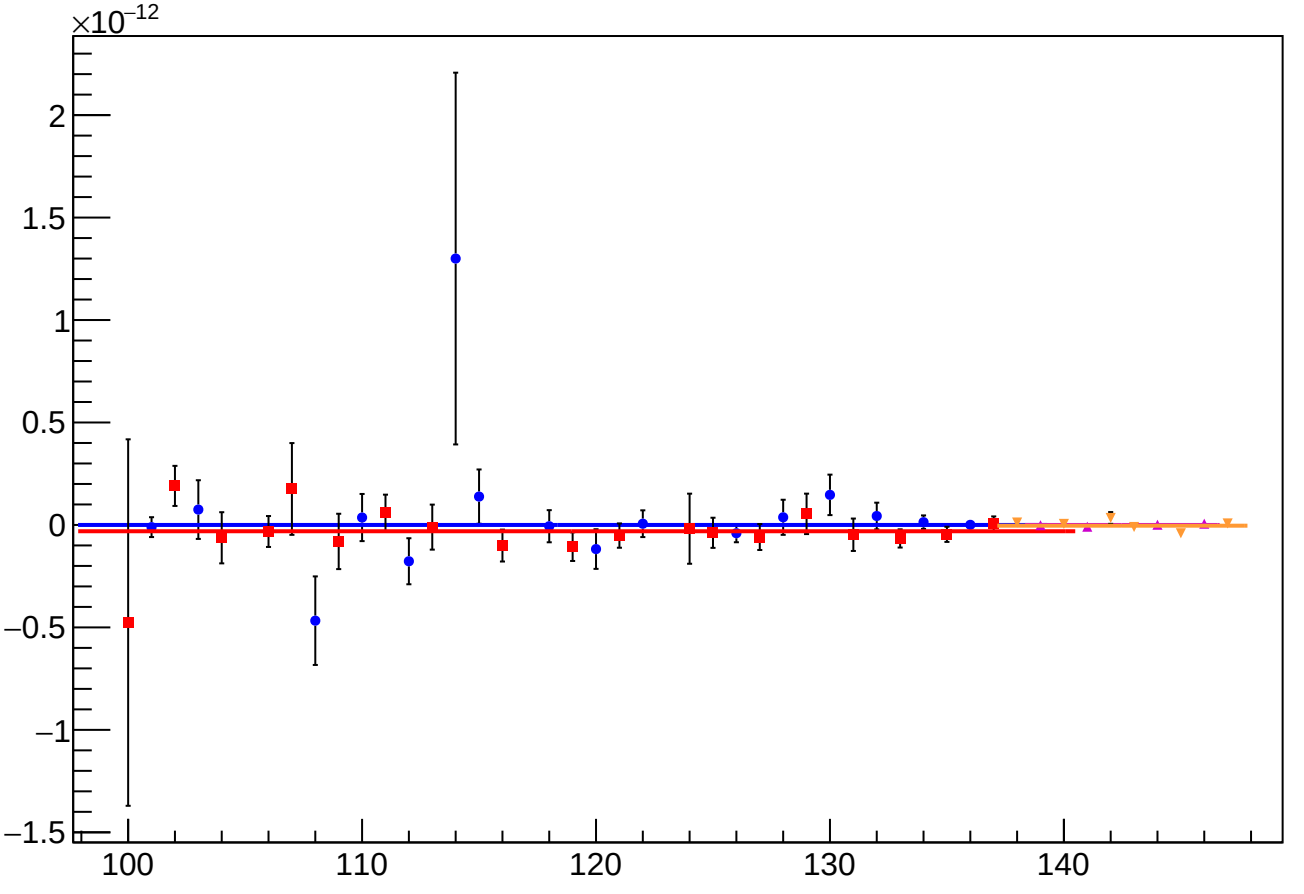
Left In: 1864.188+/-0.701 χ^2/NDF:199.5/3

+ sign 2022.382+/-0.426 χ^2/NDF: 966352.0/21

All: 2038.977+/-0.309 χ^2/NDF: 2041897.1/44

- sign 2057.560+/-0.451 χ^2/NDF: 1072324.9/22

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:8.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

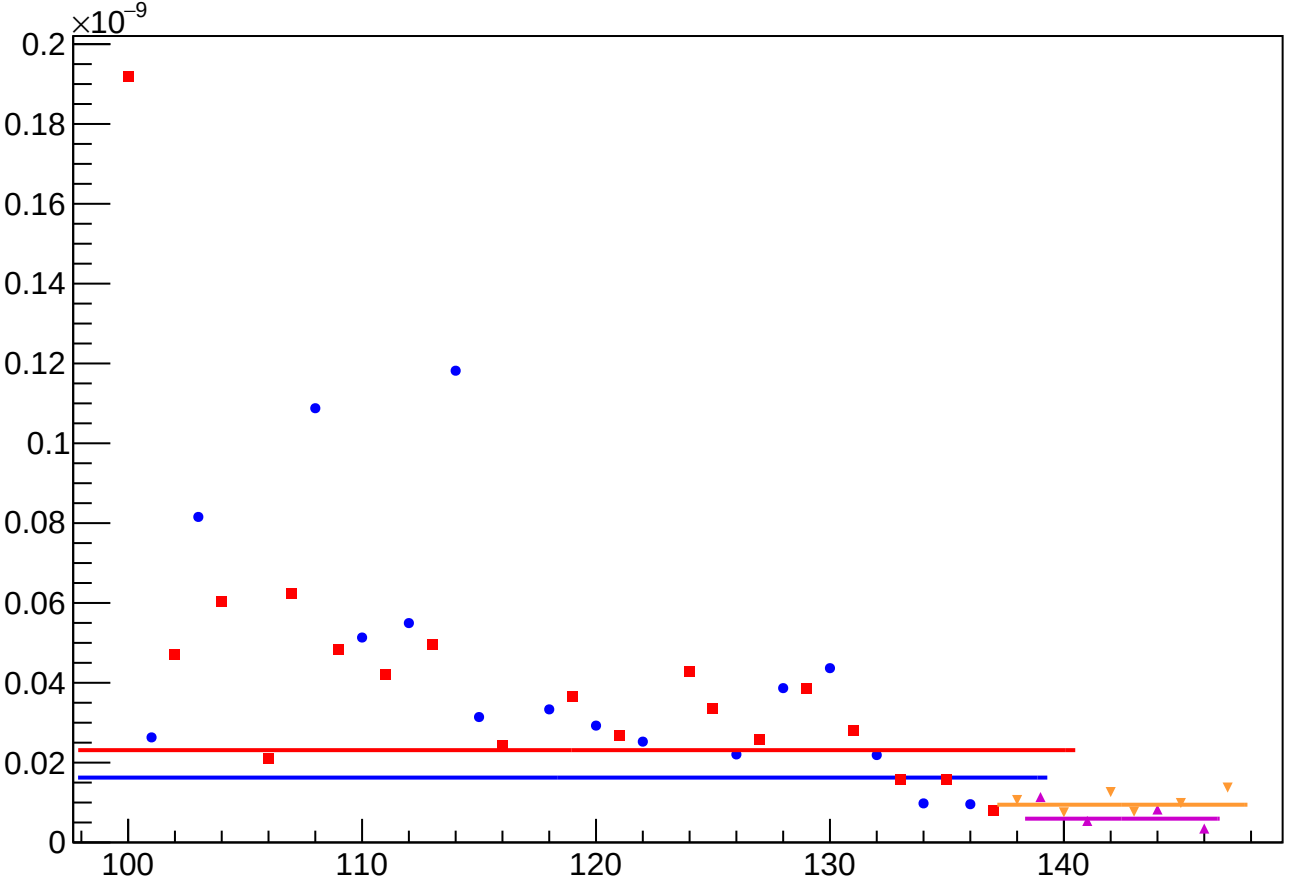
Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.4/44

- sign -0.000+/-0.000 χ^2/NDF: 16.7/22

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:161765.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

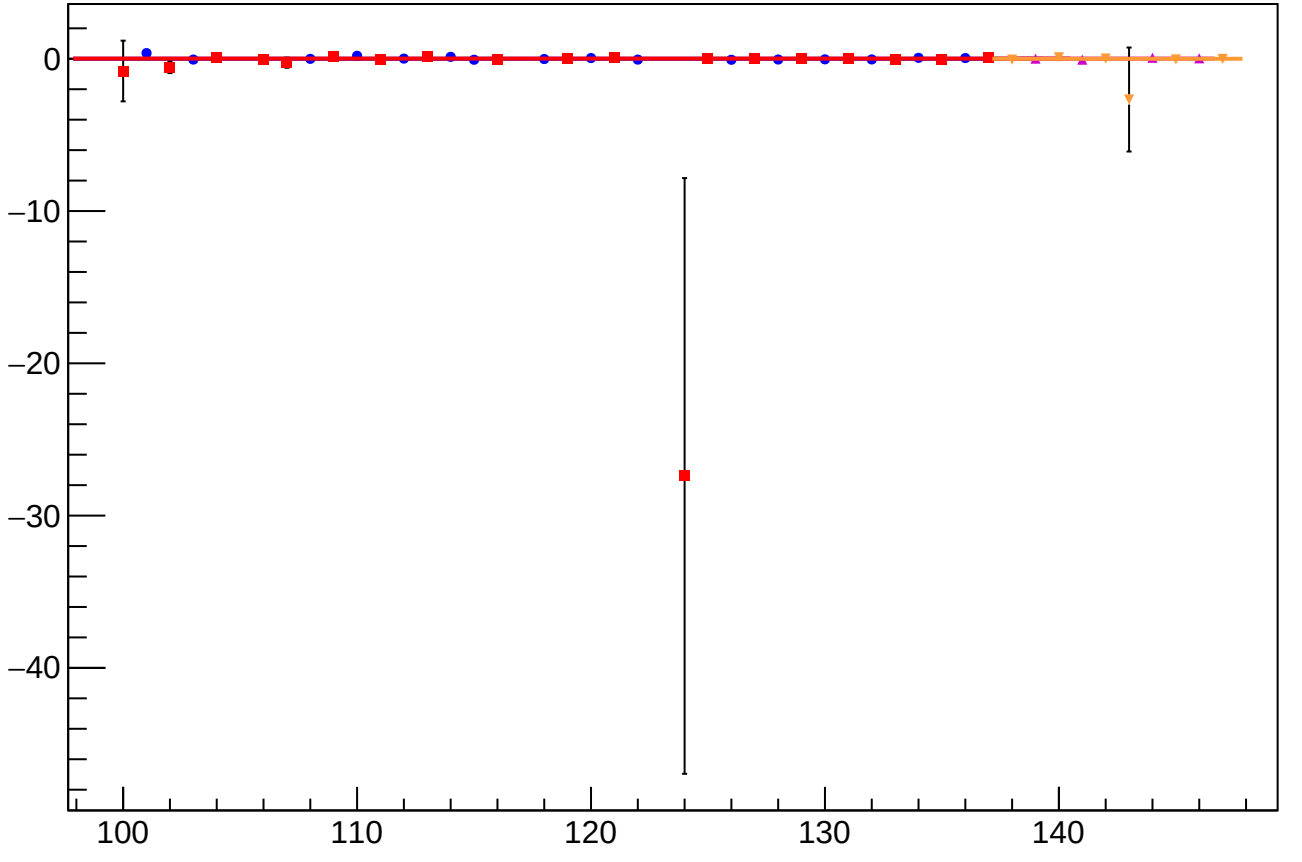
Left In: 0.000+/-0.000 χ^2/NDF:368535.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 2929998.4/21

All: 0.000+/-0.000 χ^2/NDF: 7042256.1/44

- sign 0.000+/-0.000 χ^2/NDF: 3849975.6/22

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

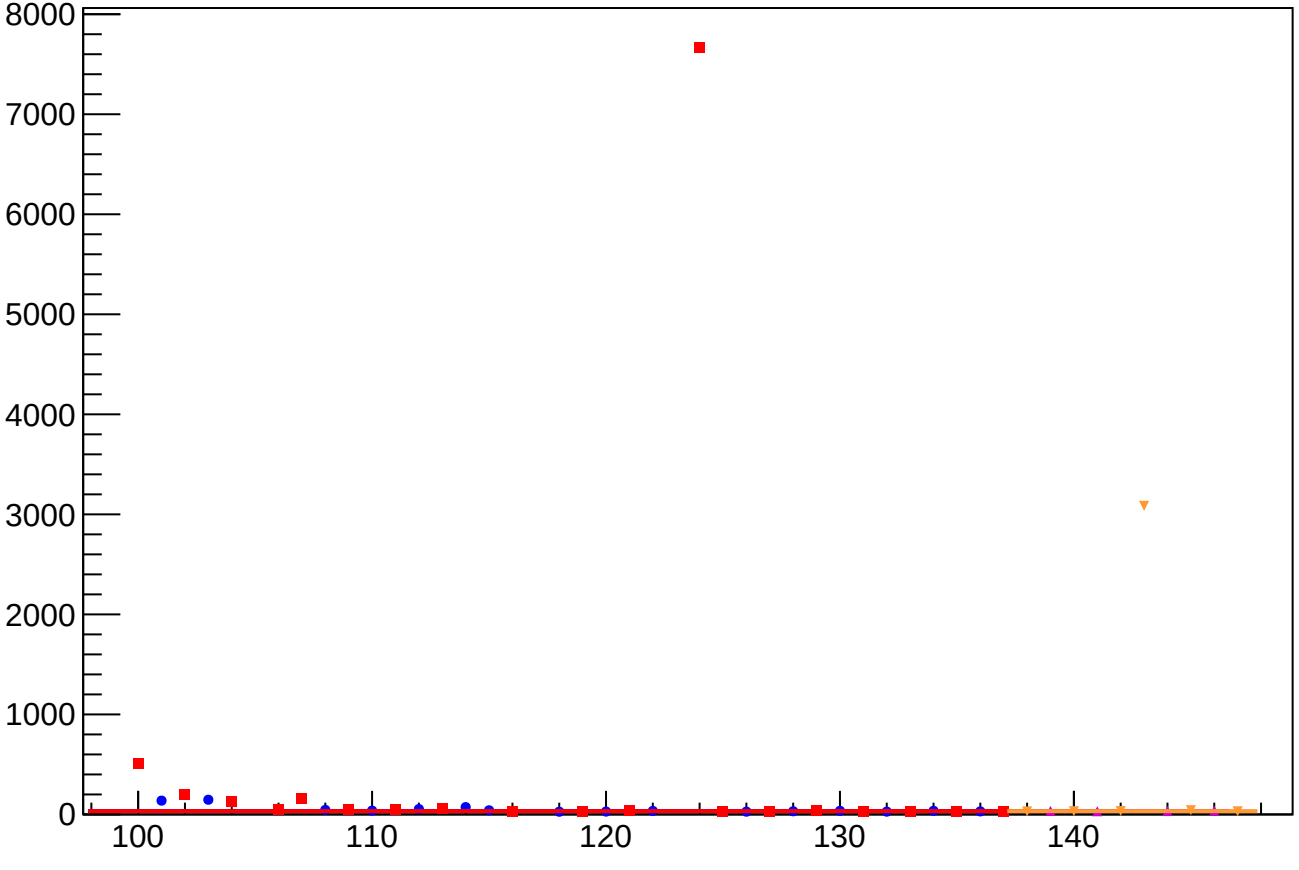
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.006+/-0.008 χ^2/NDF: 51.2/44

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684829.8/5

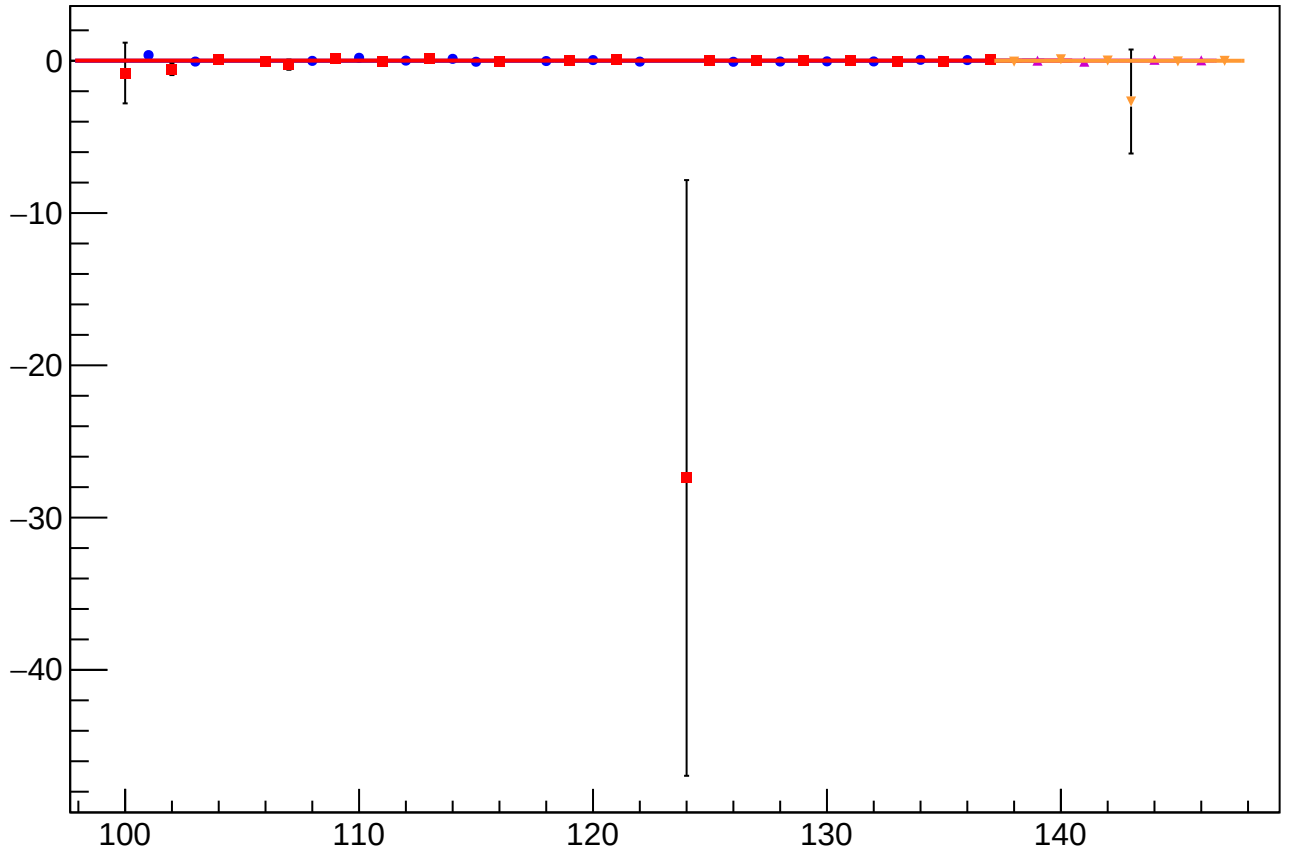
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

+ sign 33.679+/-0.008 χ^2/NDF: 3405465.7/21

All: 33.675+/-0.006 χ^2/NDF: 5508058.4/44

- sign 33.671+/-0.008 χ^2/NDF: 2102592.2/22



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

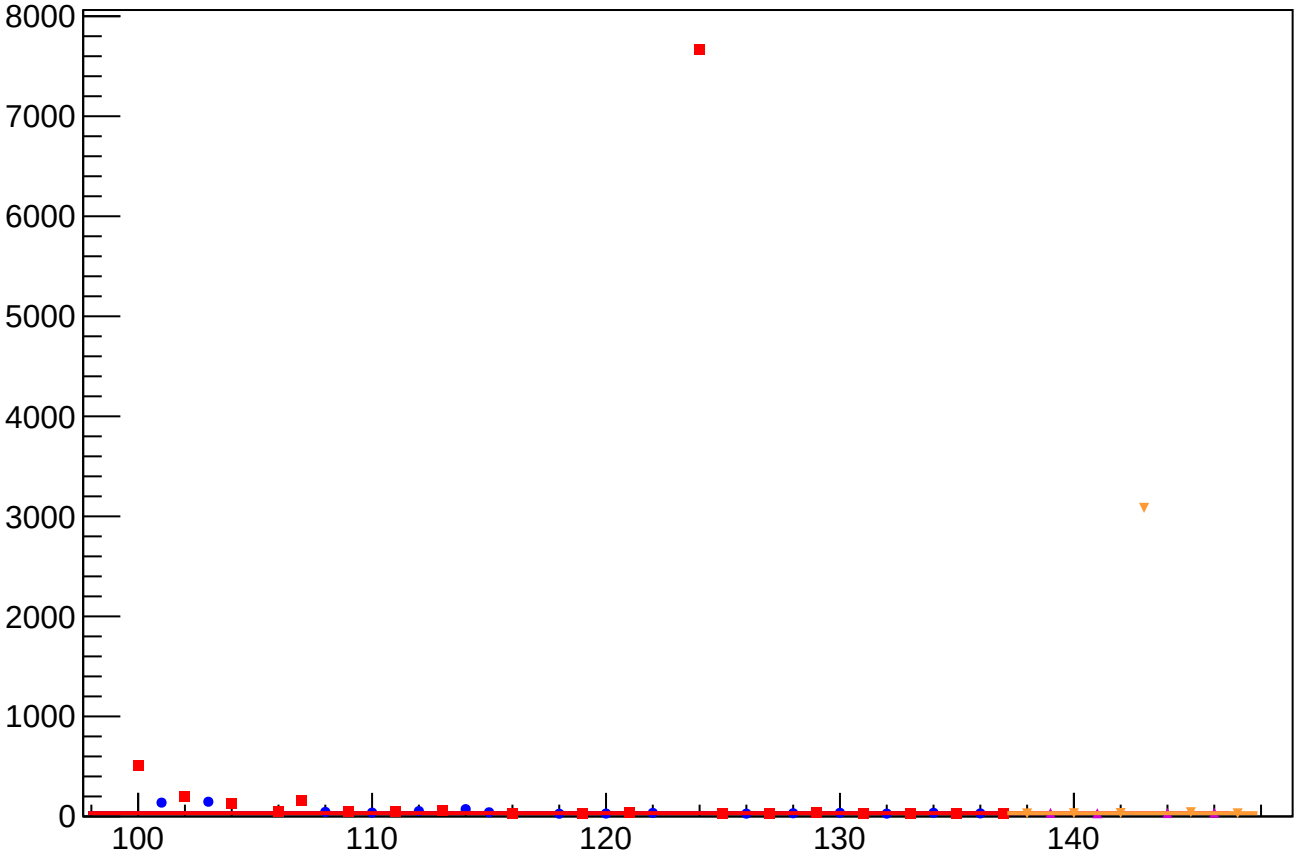
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.006+/-0.008 χ^2/NDF: 51.2/44

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

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: 33.081+/-0.013 χ^2/NDF:1684829.8/5

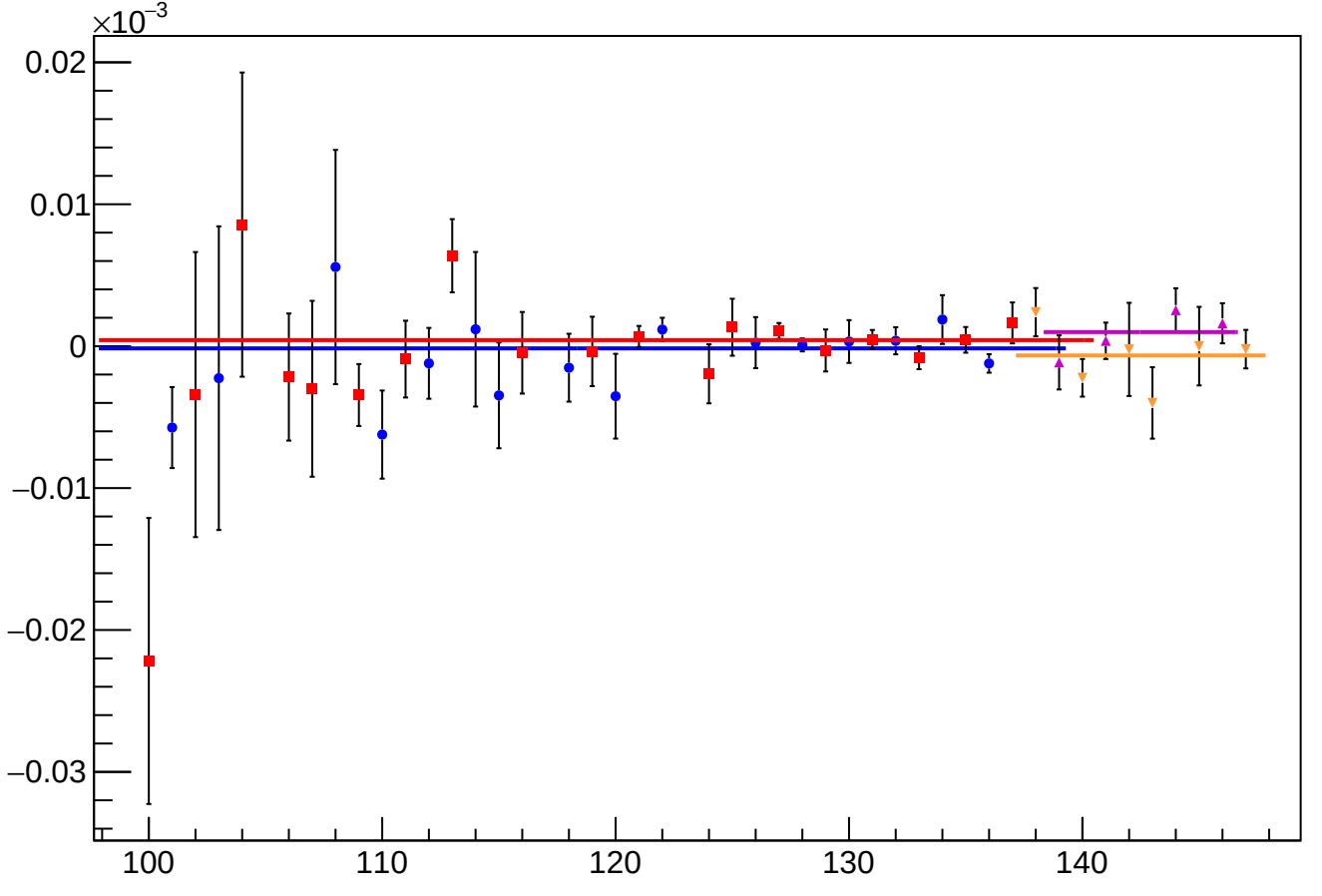
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

+ sign 33.679+/-0.008 χ^2/NDF: 3405465.7/21

All: 33.675+/-0.006 χ^2/NDF: 5508058.4/44

- sign 33.671+/-0.008 χ^2/NDF: 2102592.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

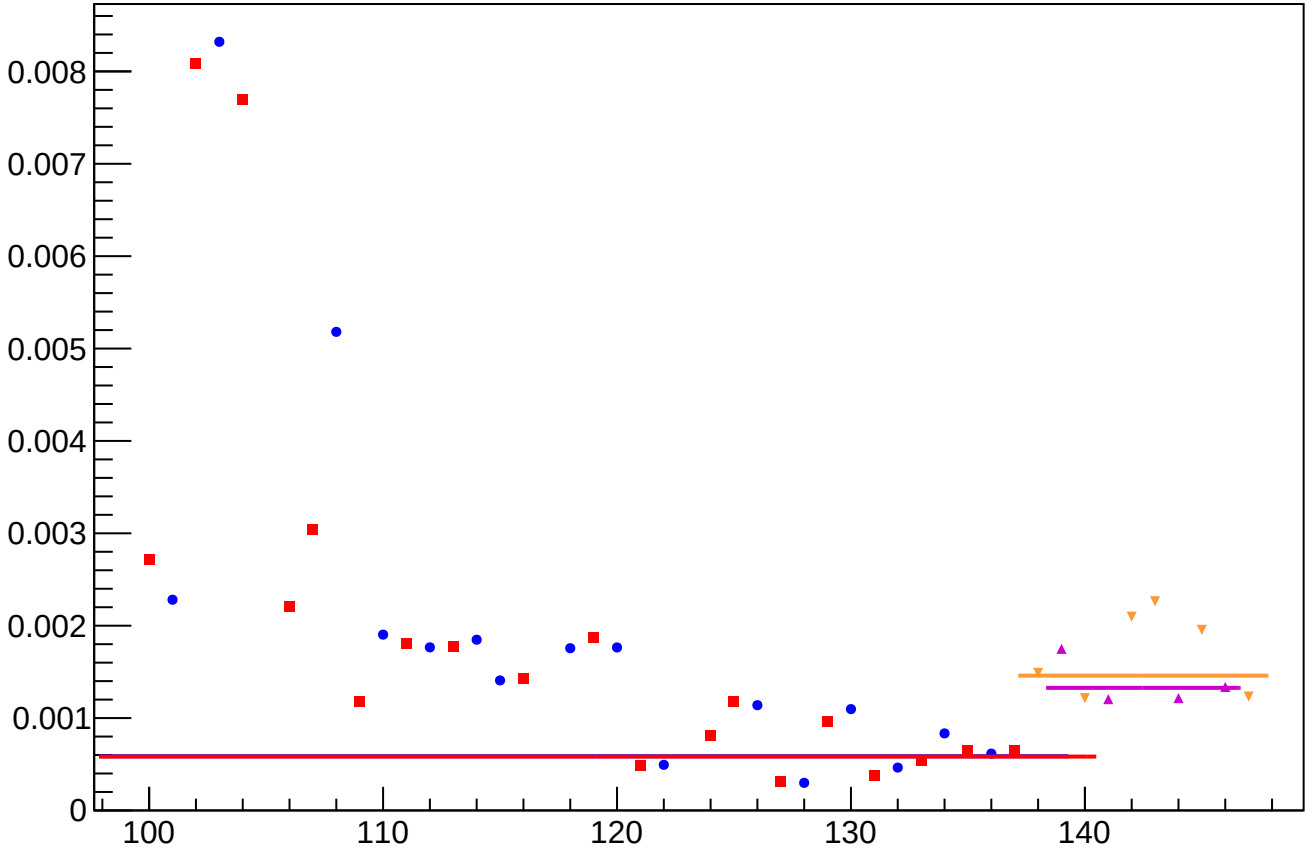
Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/21

All: 0.000+/-0.000 χ^2/NDF: 53.5/44

- sign 0.000+/-0.000 χ^2/NDF: 24.8/22

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:468005.7/5

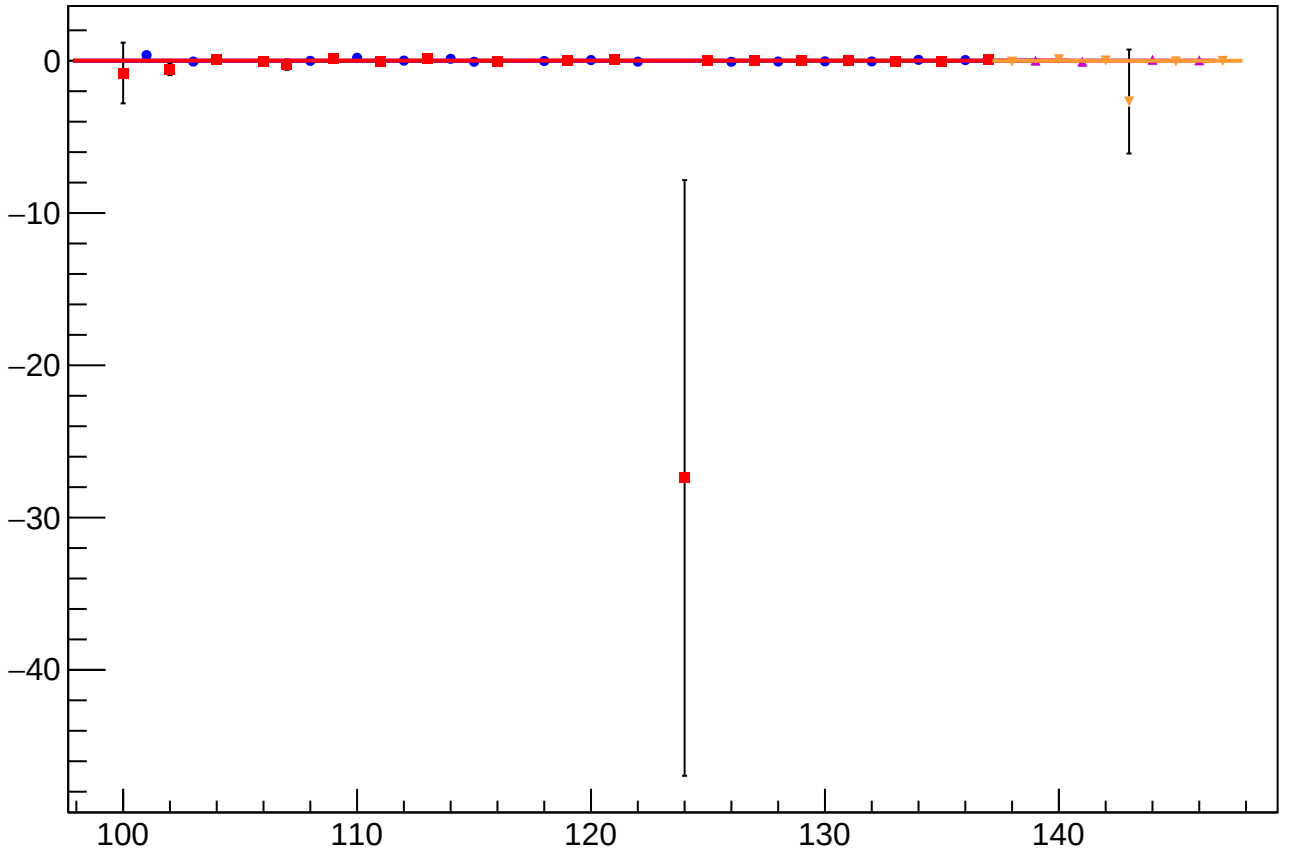
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126716.5/3

+ sign 0.001+/-0.000 χ^2/NDF: 8370815.4/21

All: 0.001+/-0.000 χ^2/NDF: 15682034.0/44

- sign 0.001+/-0.000 χ^2/NDF: 7300474.6/22



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

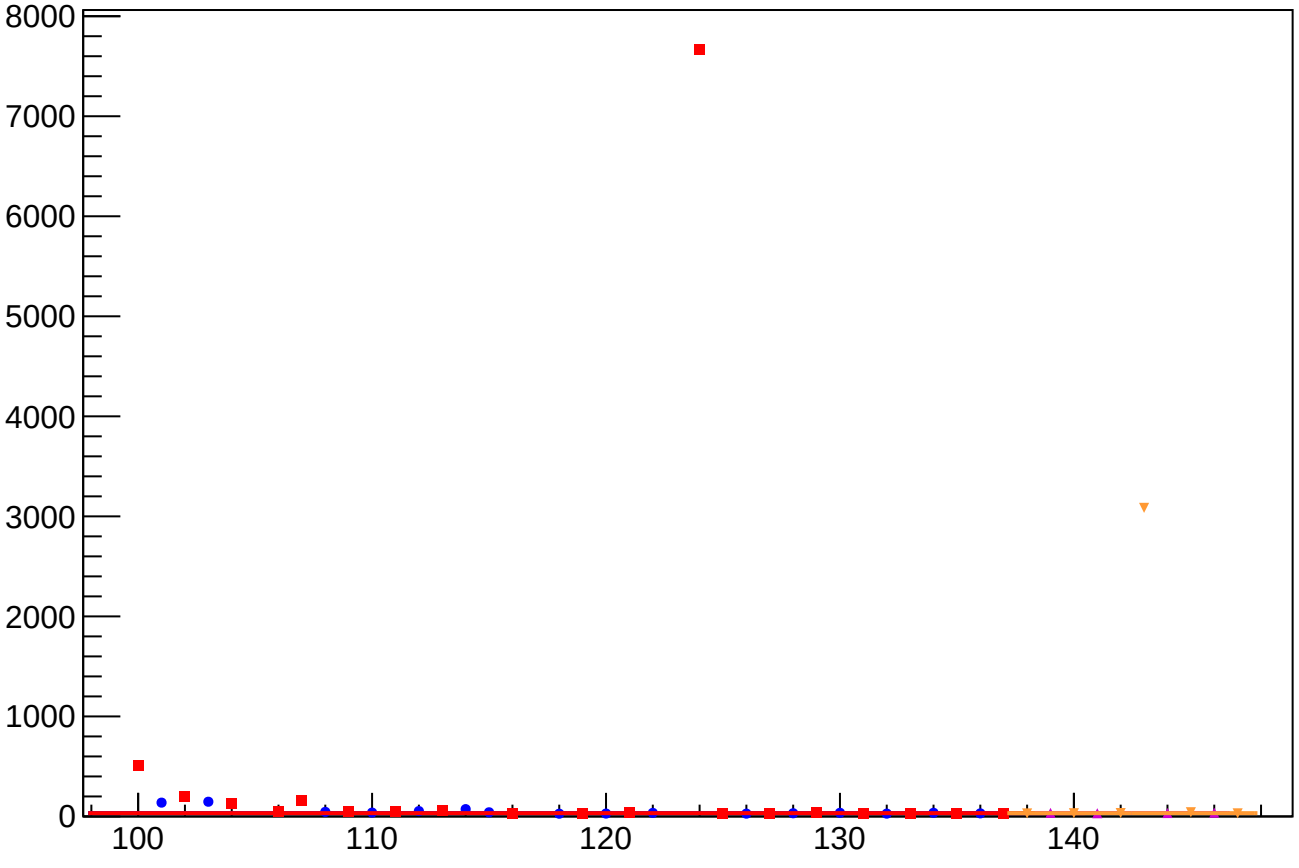
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.006+/-0.008 χ^2/NDF: 51.2/44

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

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: 33.081+/-0.013 χ^2/NDF:1684832.7/5

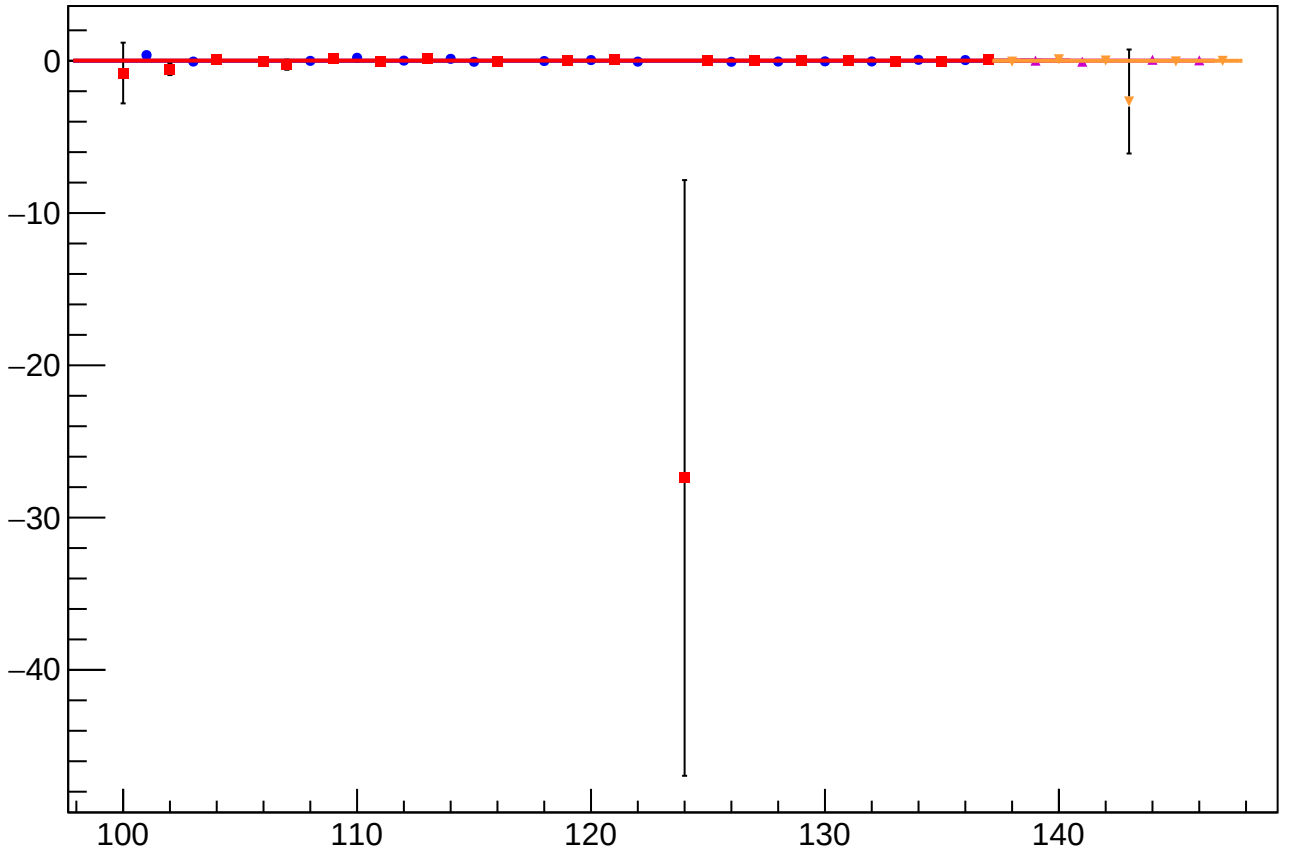
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

+ sign 33.679+/-0.008 χ^2/NDF: 3405458.5/21

All: 33.675+/-0.006 χ^2/NDF: 5508036.4/44

- sign 33.671+/-0.008 χ^2/NDF: 2102577.4/22



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

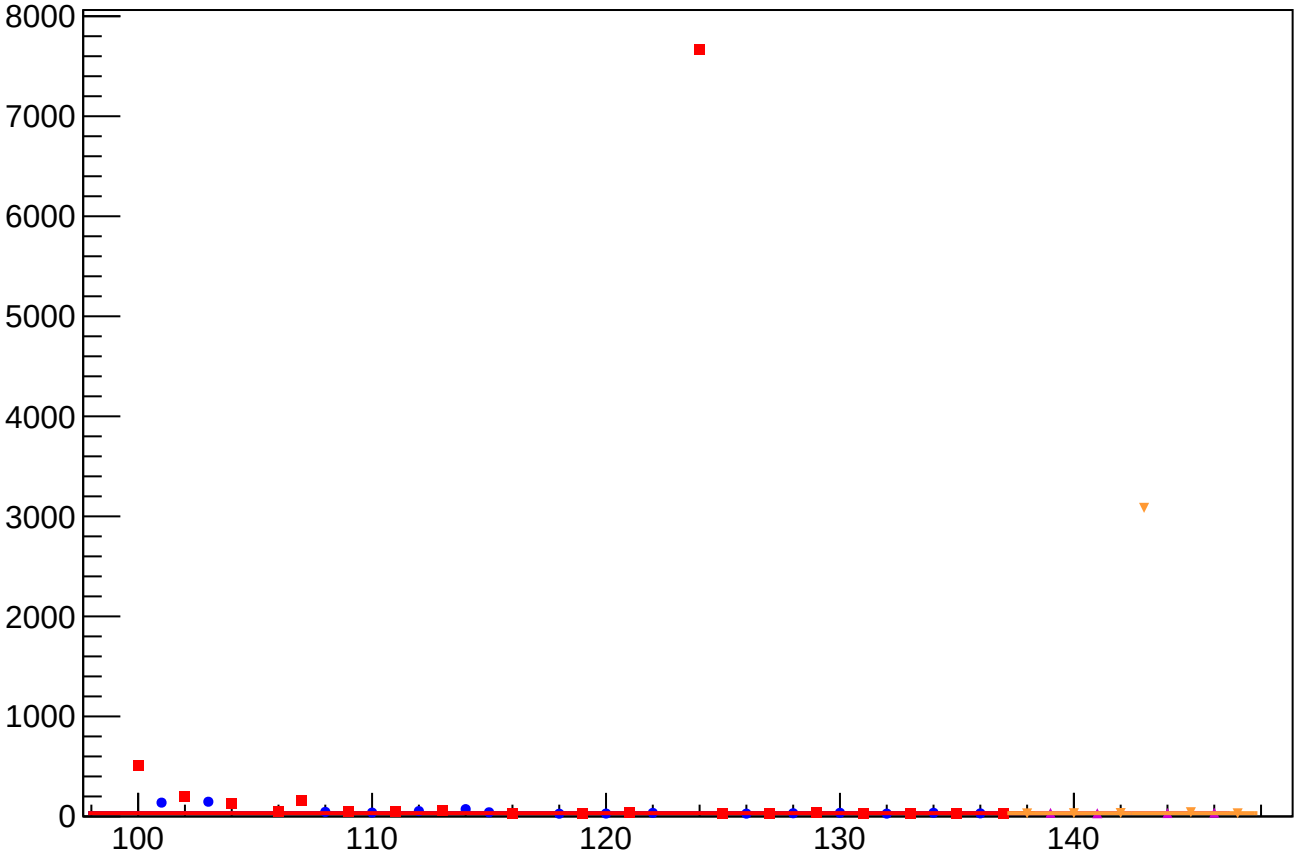
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.006+/-0.008 χ^2/NDF: 51.2/44

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

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: 33.081+/-0.013 χ^2/NDF:1684832.7/5

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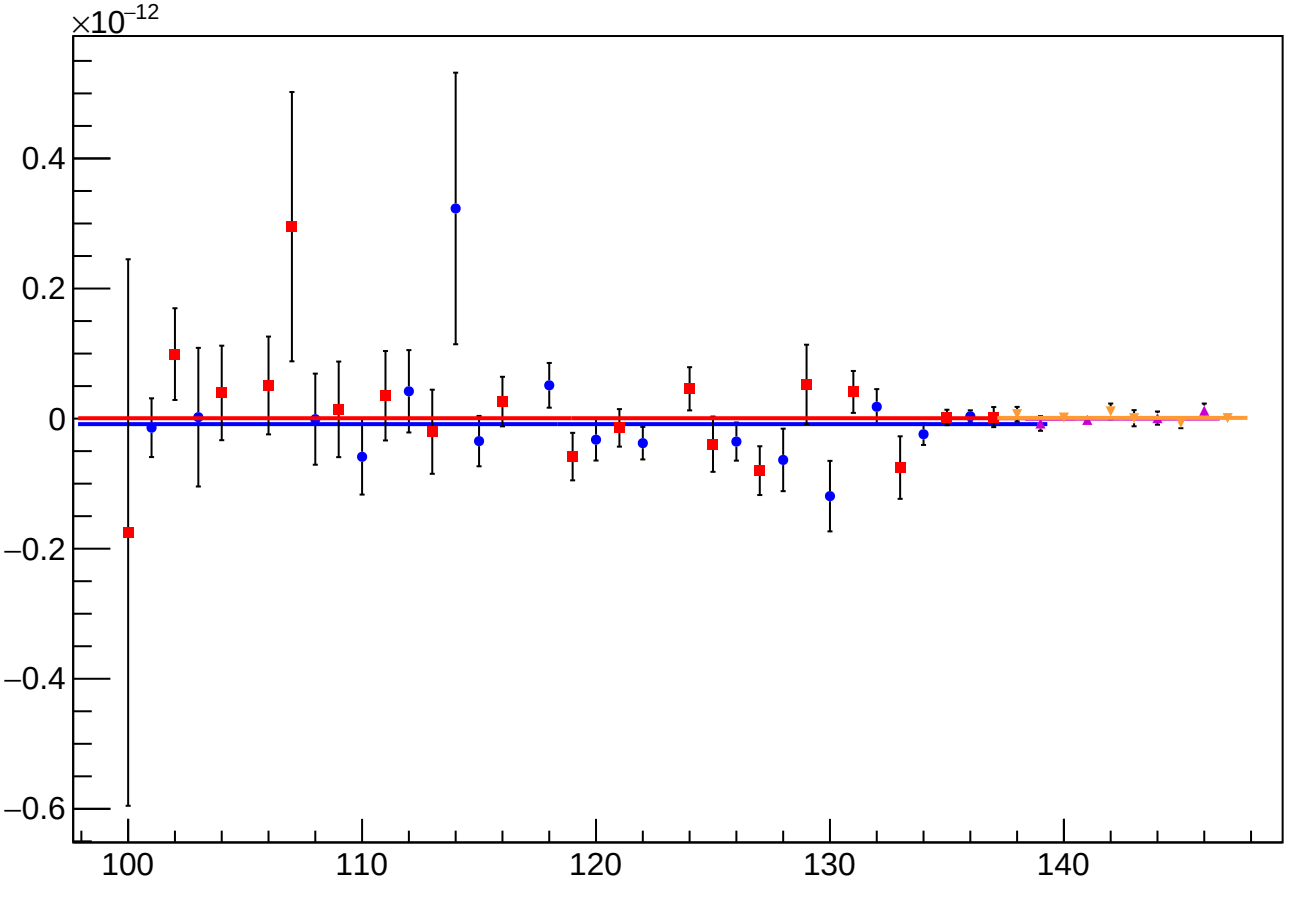
+ sign 33.679+/-0.008 χ^2/NDF: 3405458.5/21

All: 33.675+/-0.006 χ^2/NDF: 5508036.4/44

- sign 33.671+/-0.008 χ^2/NDF: 2102577.4/22

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:1.9/5

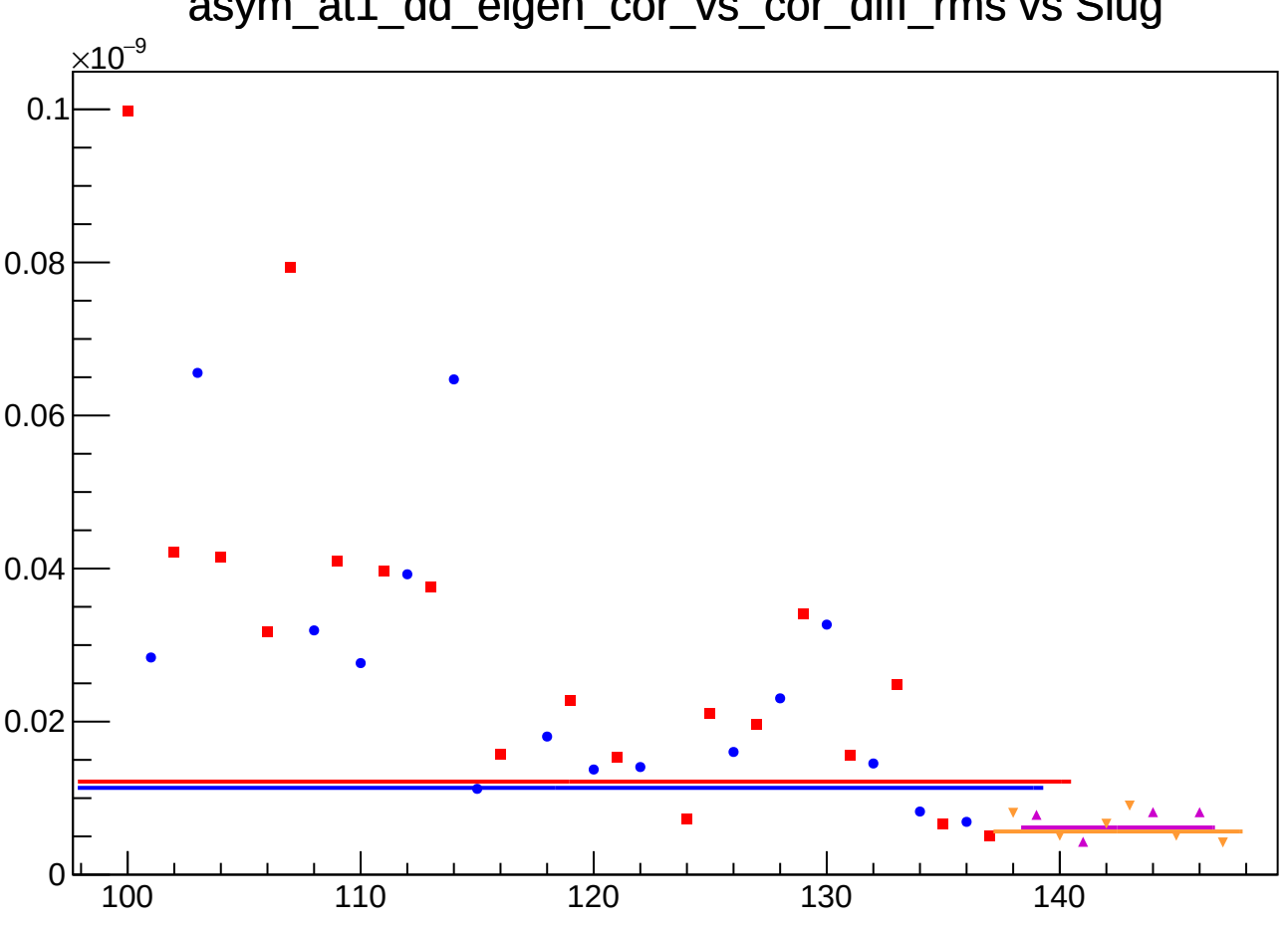
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/21

All: -0.000+/-0.000 χ^2/NDF: 45.5/44

- sign 0.000+/-0.000 χ^2/NDF: 22.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:356719.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

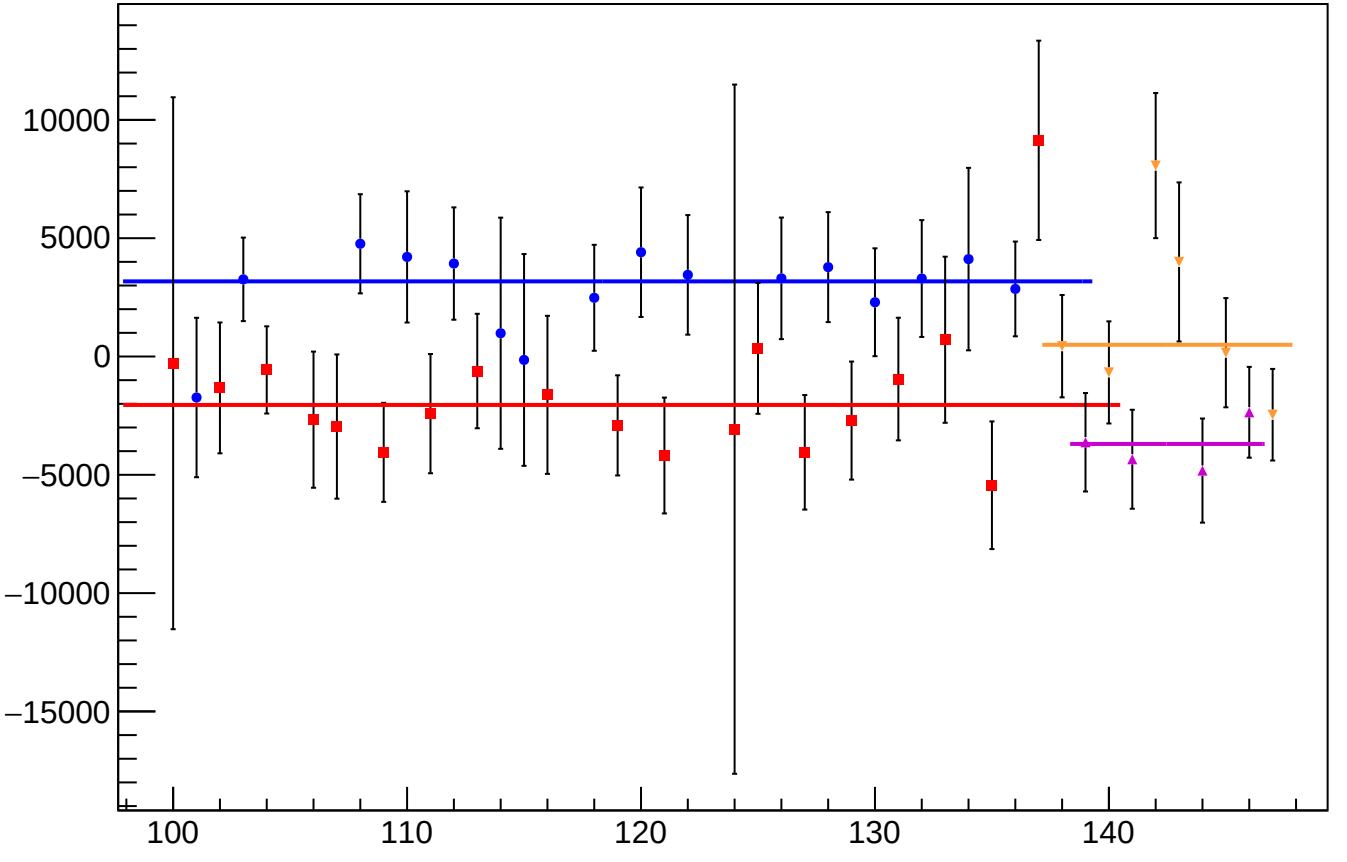
Left In: 0.000+/-0.000 χ^2/NDF:372790.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 4382124.3/21

All: 0.000+/-0.000 χ^2/NDF: 9566264.7/44

- sign 0.000+/-0.000 χ^2/NDF: 5133797.6/22

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.489+/-963.114 χ^2/NDF:9.8/5

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

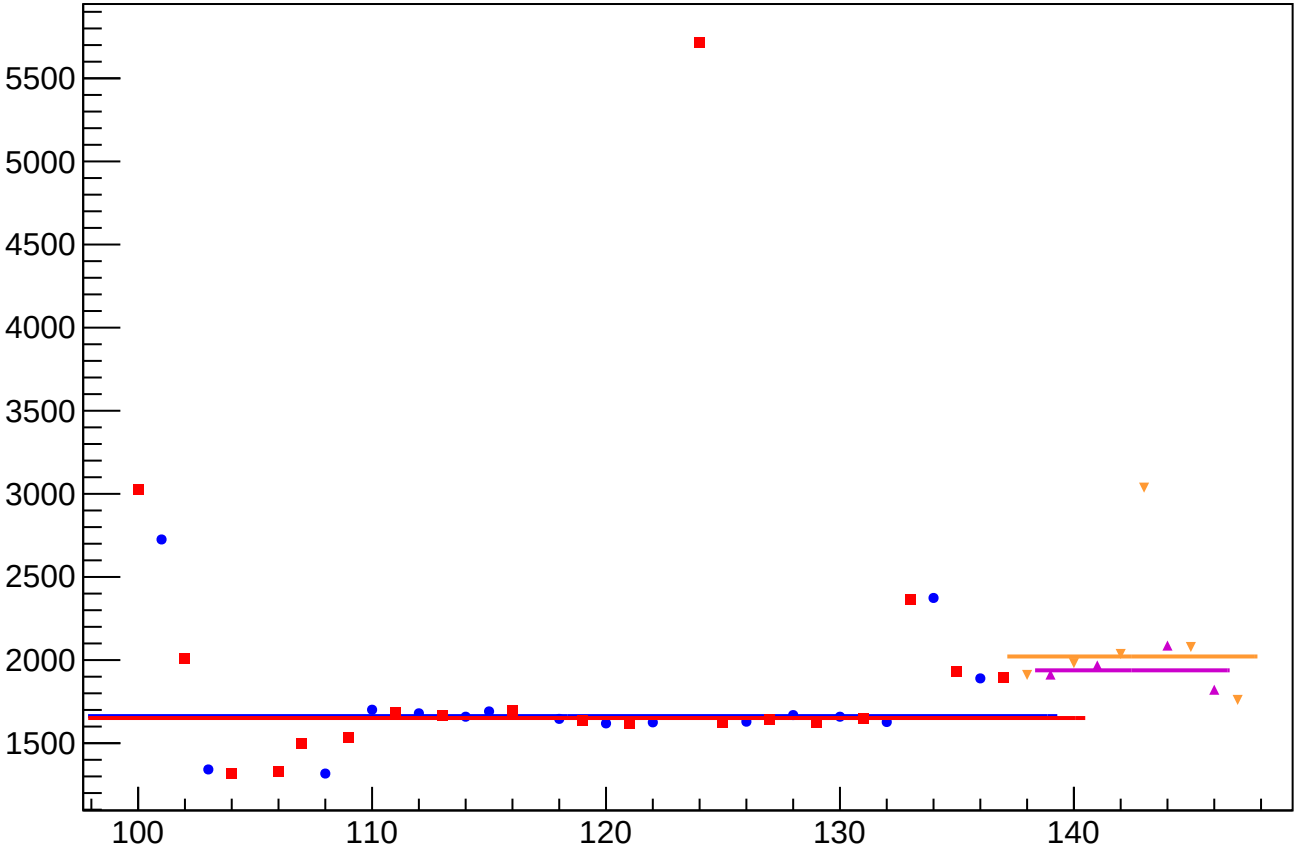
Left In: -3695.968+/-1032.624 χ^2/NDF:0.8/3

+ sign 2376.057+/-526.044 χ^2/NDF: 19.6/21

All: -25.247+/-374.228 χ^2/NDF: 78.5/44

- sign -2485.780+/-532.492 χ^2/NDF: 16.8/22

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

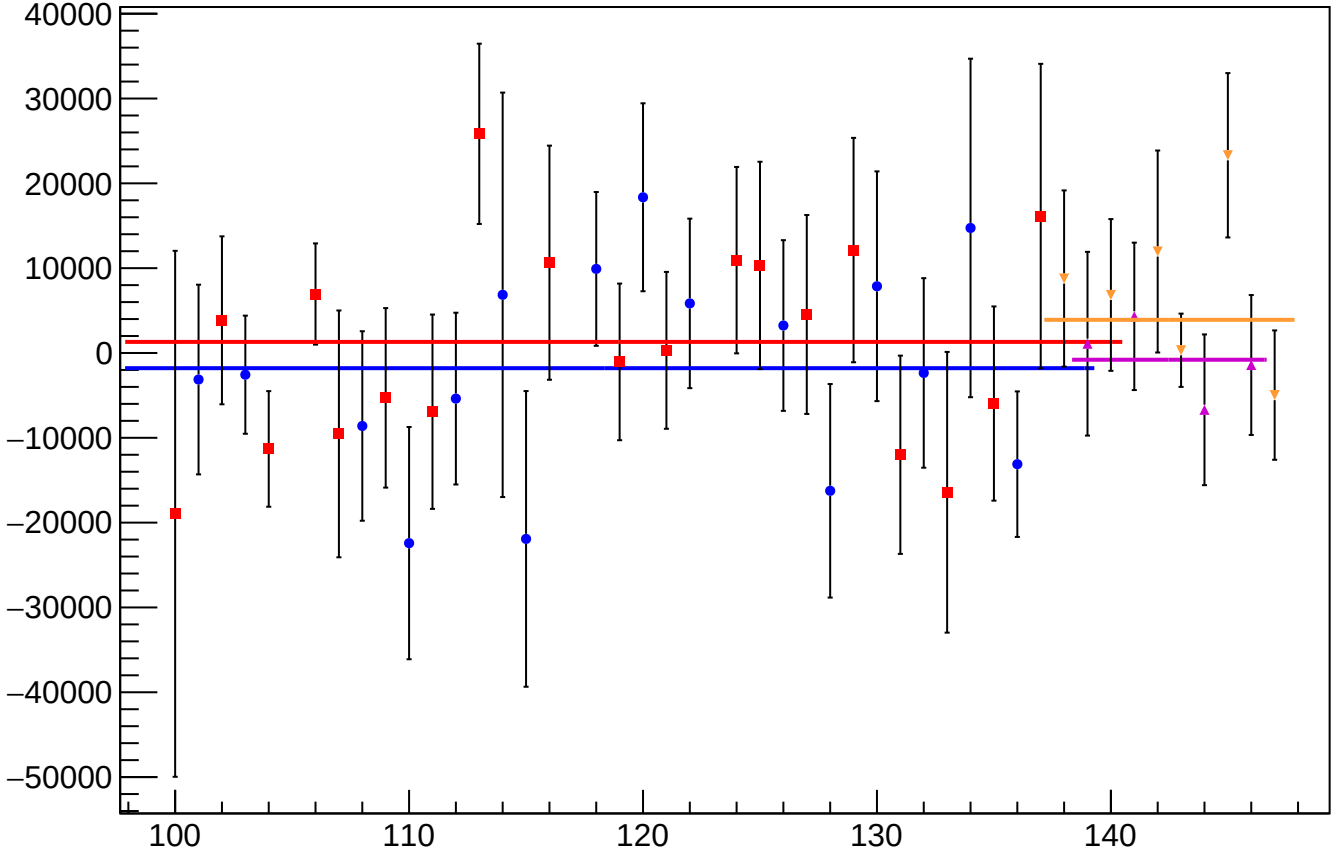
Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1769.914+/-0.372 χ^2/NDF: 836577.7/21

All: 1749.029+/-0.265 χ^2/NDF: 1405556.7/44

- sign 1727.629+/-0.377 χ^2/NDF: 562596.3/22

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3911.301+/-3011.185 χ^2/NDF:6.8/5

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

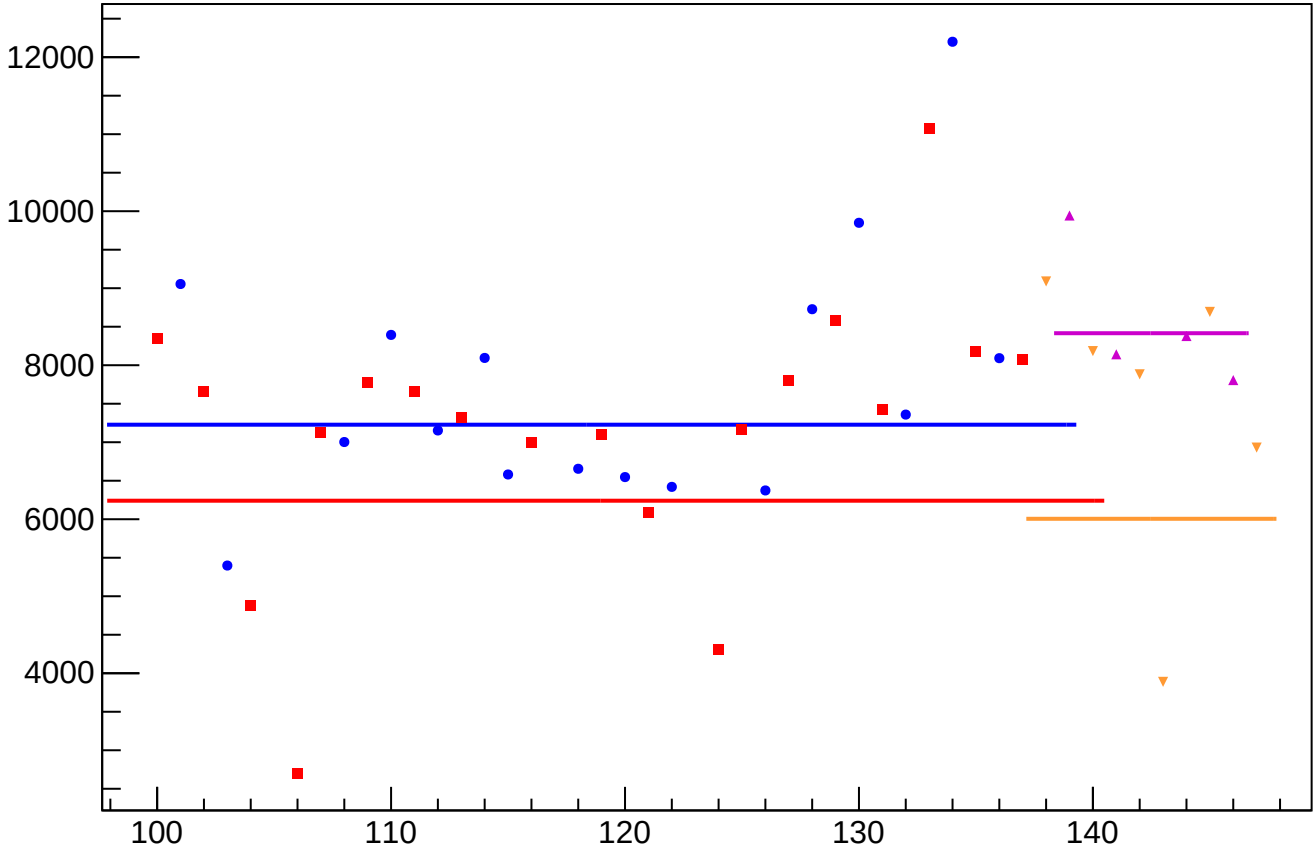
Left In: -796.873+/-4511.190 χ^2/NDF:0.8/3

+ sign 795.579+/-2028.041 χ^2/NDF: 23.1/21

All: 813.426+/-1471.839 χ^2/NDF: 41.8/44

- sign 833.287+/-2139.410 χ^2/NDF: 18.7/22

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6005.738+/-2.129 χ^2/NDF:1008236.5/5

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

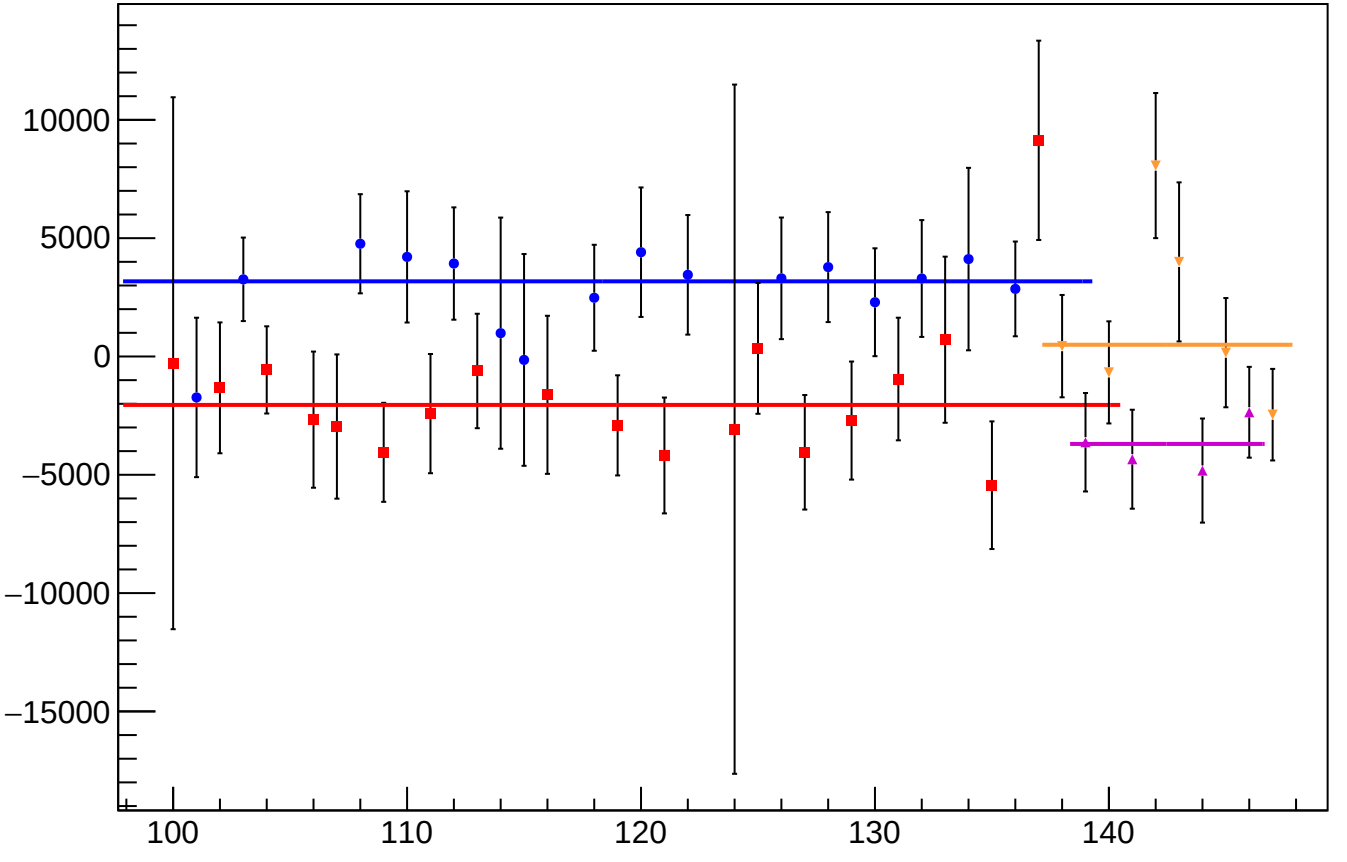
Left In: 8415.616+/-3.190 χ^2/NDF:52741.2/3

+ sign 6673.351+/-1.434 χ^2/NDF: 1691425.5/21

All: 6700.043+/-1.041 χ^2/NDF: 3504341.4/44

- sign 6729.746+/-1.513 χ^2/NDF: 1812183.9/22

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

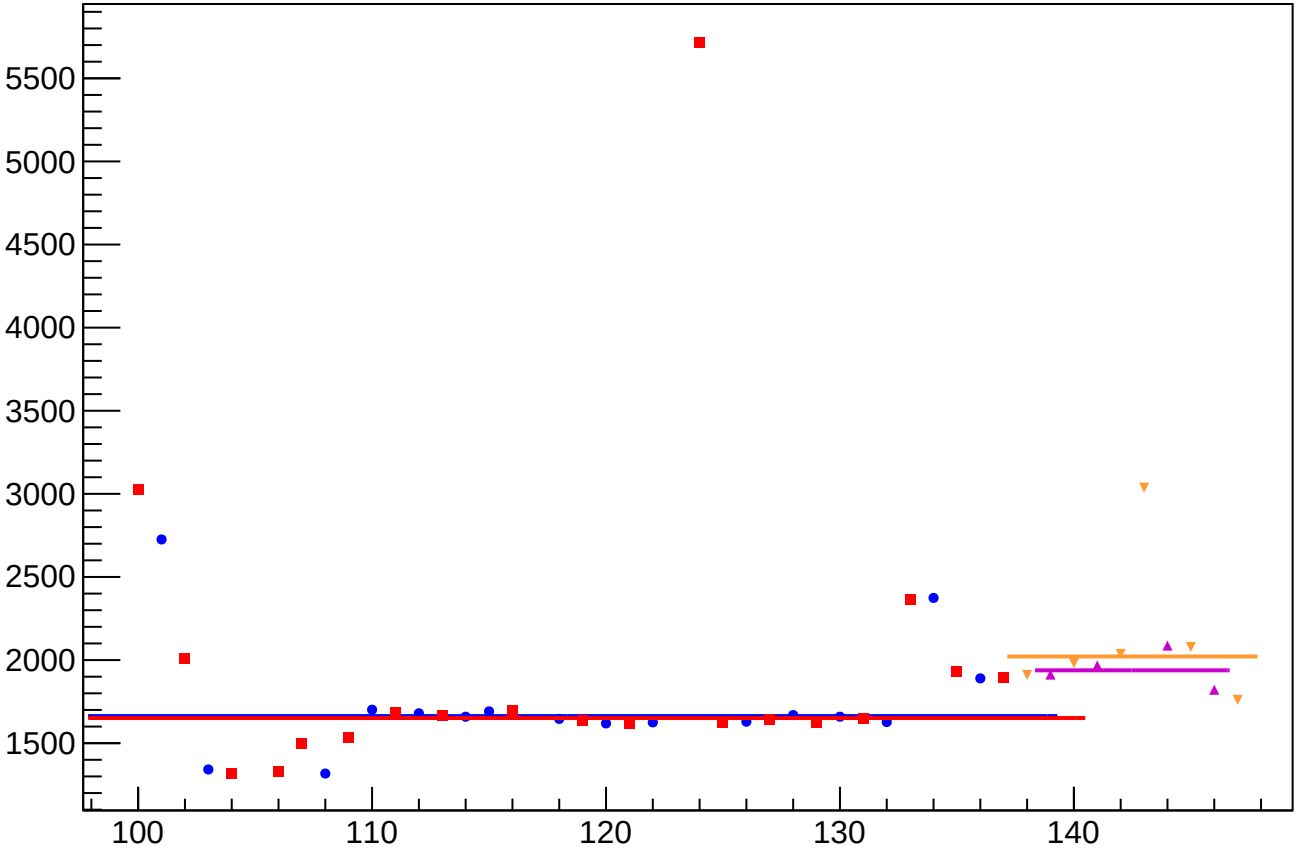
Left In: -3696.215+/-1032.624 χ^2/NDF:0.8/3

+ sign 2376.161+/-526.044 χ^2/NDF: 19.6/21

All: -25.156+/-374.228 χ^2/NDF: 78.5/44

- sign -2485.703+/-532.492 χ^2/NDF: 16.8/22

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

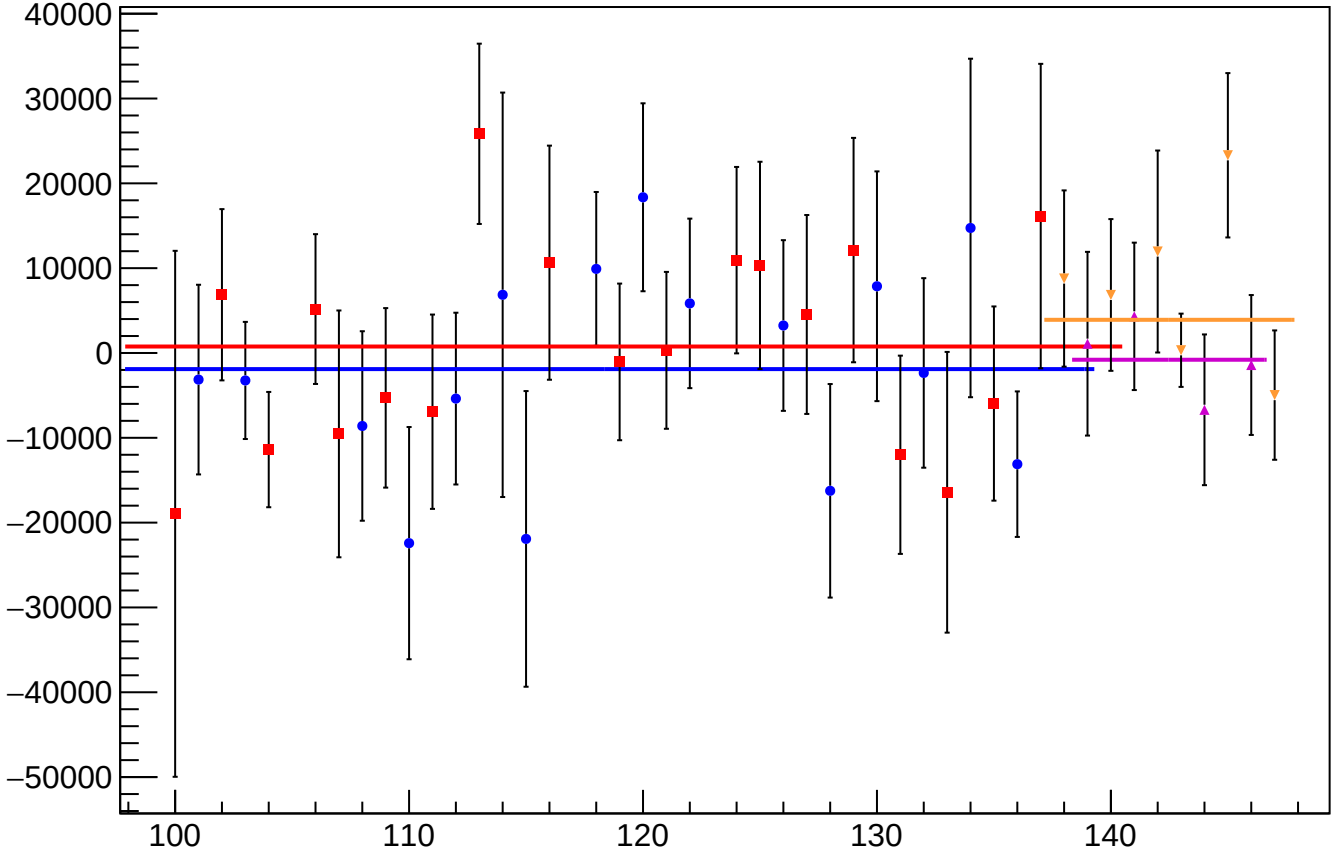
Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1769.914+/-0.372 χ^2/NDF: 836578.2/21

All: 1749.029+/-0.265 χ^2/NDF: 1405557.4/44

- sign 1727.629+/-0.377 χ^2/NDF: 562596.5/22

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

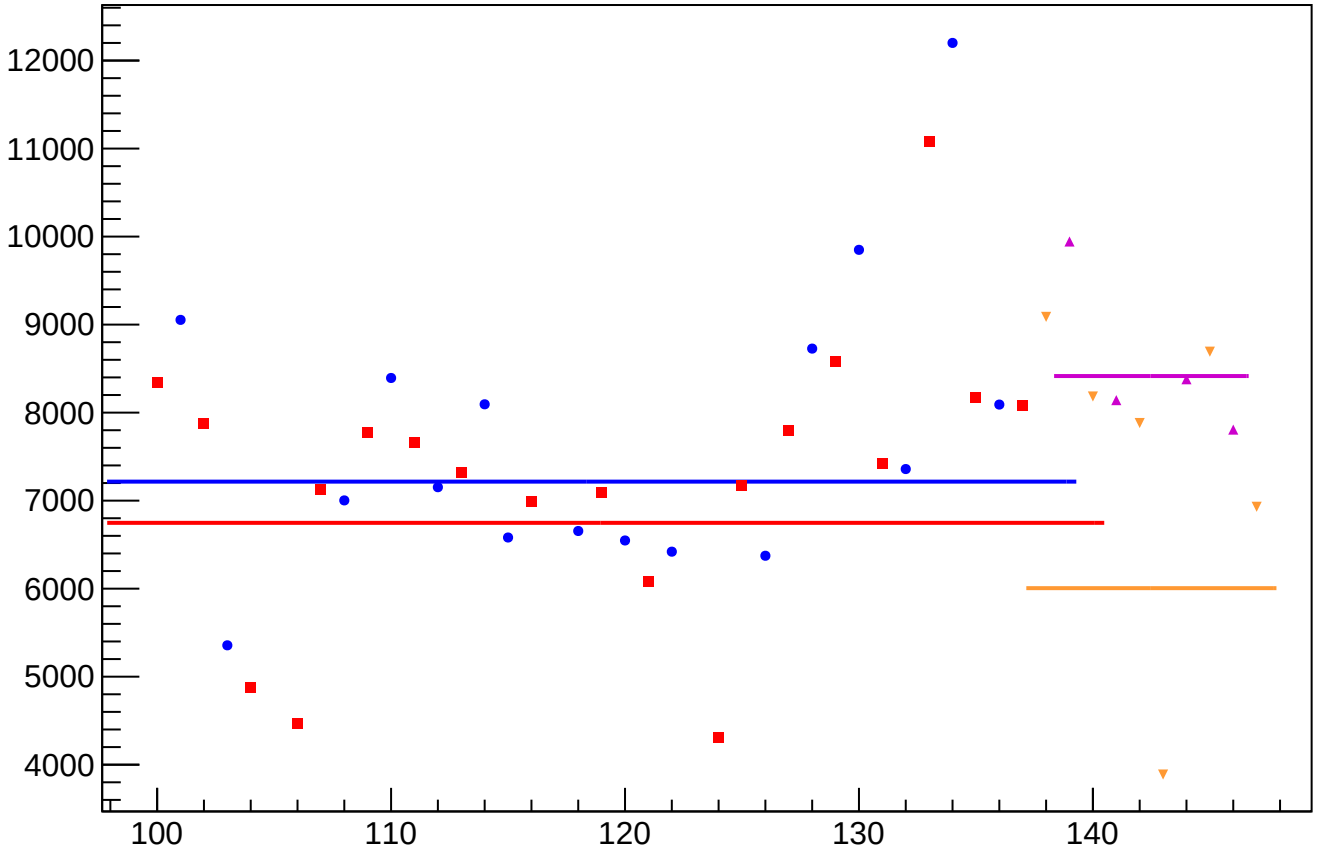
Left In: -796.935+/-4511.187 χ^2/NDF:0.8/3

+ sign 732.075+/-2026.555 χ^2/NDF: 23.2/21

All: 574.261+/-1496.672 χ^2/NDF: 41.4/44

- sign 384.907+/-2219.856 χ^2/NDF: 18.2/22

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6005.694+/-2.129 χ^2/NDF:1008262.2/5

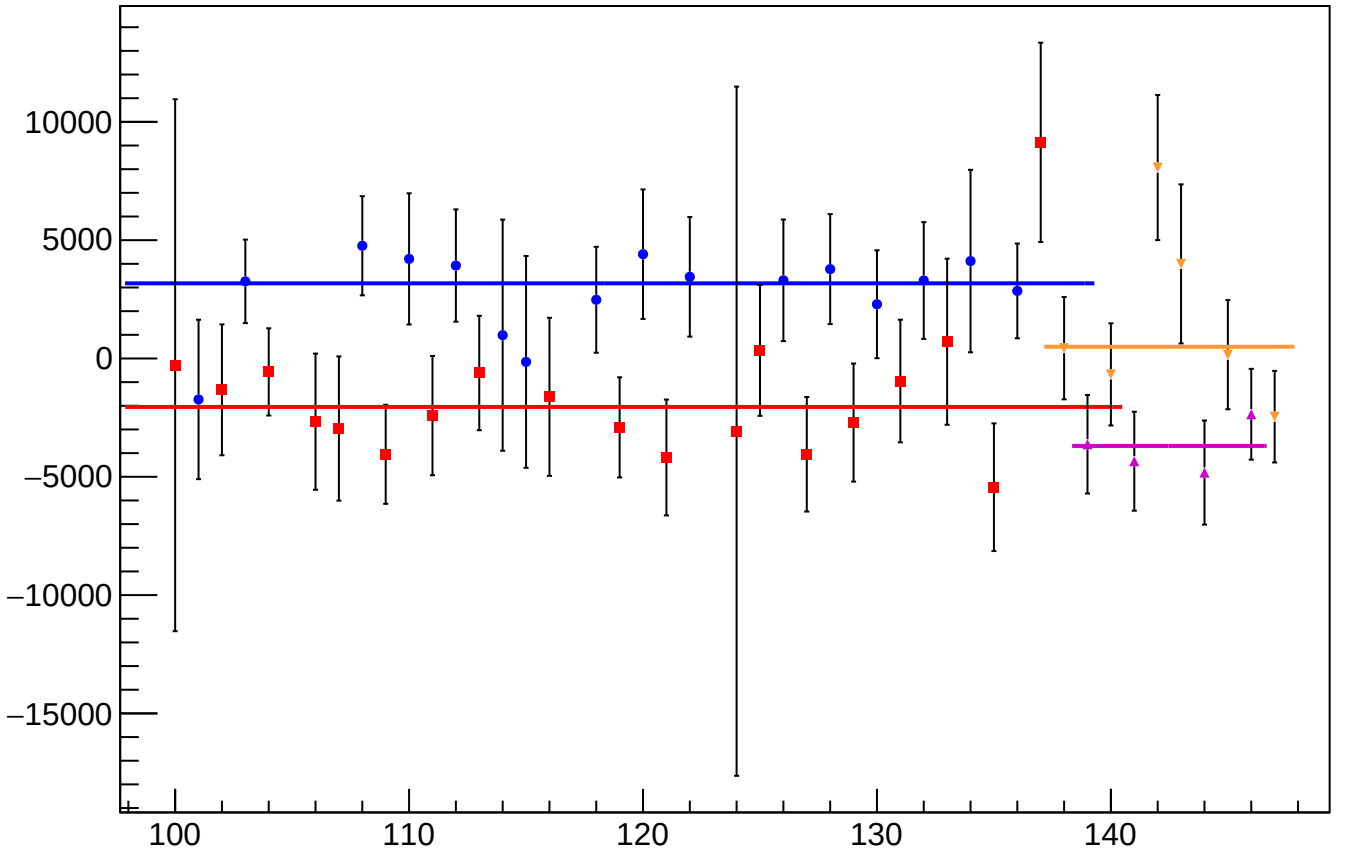
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

+ sign 6667.813+/-1.433 χ^2/NDF: 1697155.5/21

All: 6887.728+/-1.058 χ^2/NDF: 2717688.2/44

- sign 7151.597+/-1.570 χ^2/NDF: 968721.9/22



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

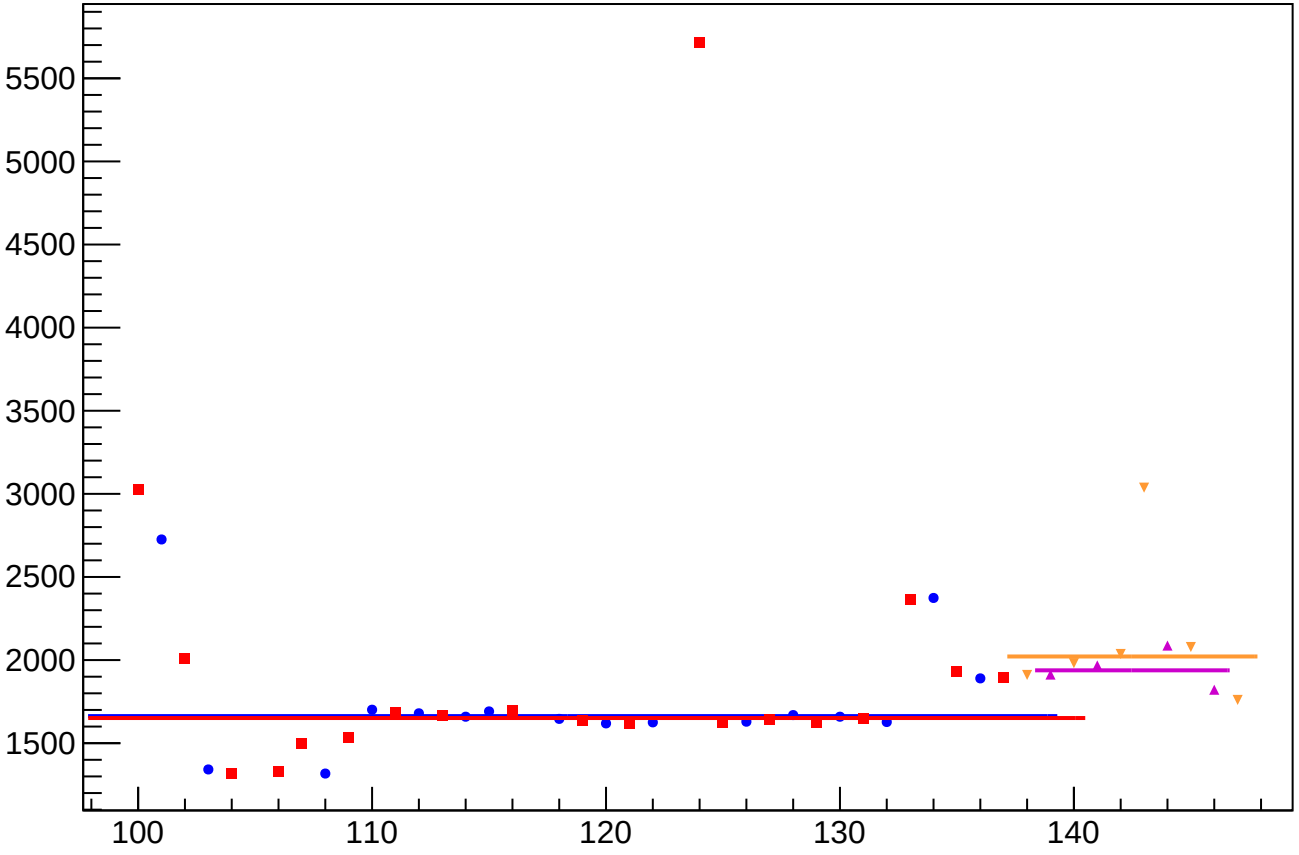
Left In: -3696.215+/-1032.624 χ^2/NDF:0.8/3

+ sign 2376.161+/-526.044 χ^2/NDF: 19.6/21

All: -25.156+/-374.228 χ^2/NDF: 78.5/44

- sign -2485.703+/-532.492 χ^2/NDF: 16.8/22

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

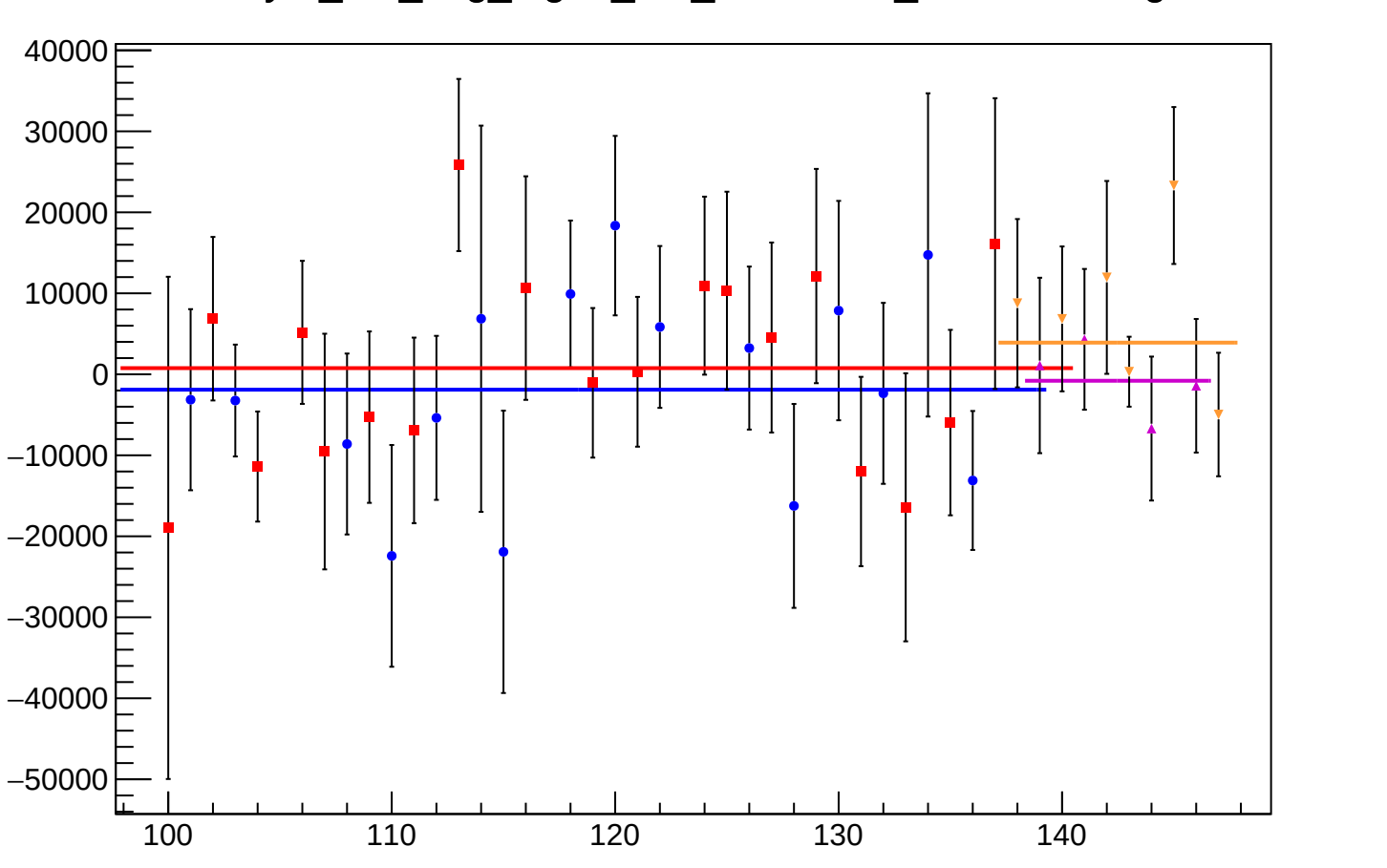
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1769.914+/-0.372 χ^2/NDF: 836578.2/21

All: 1749.029+/-0.265 χ^2/NDF: 1405557.4/44

- sign 1727.629+/-0.377 χ^2/NDF: 562596.5/22



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

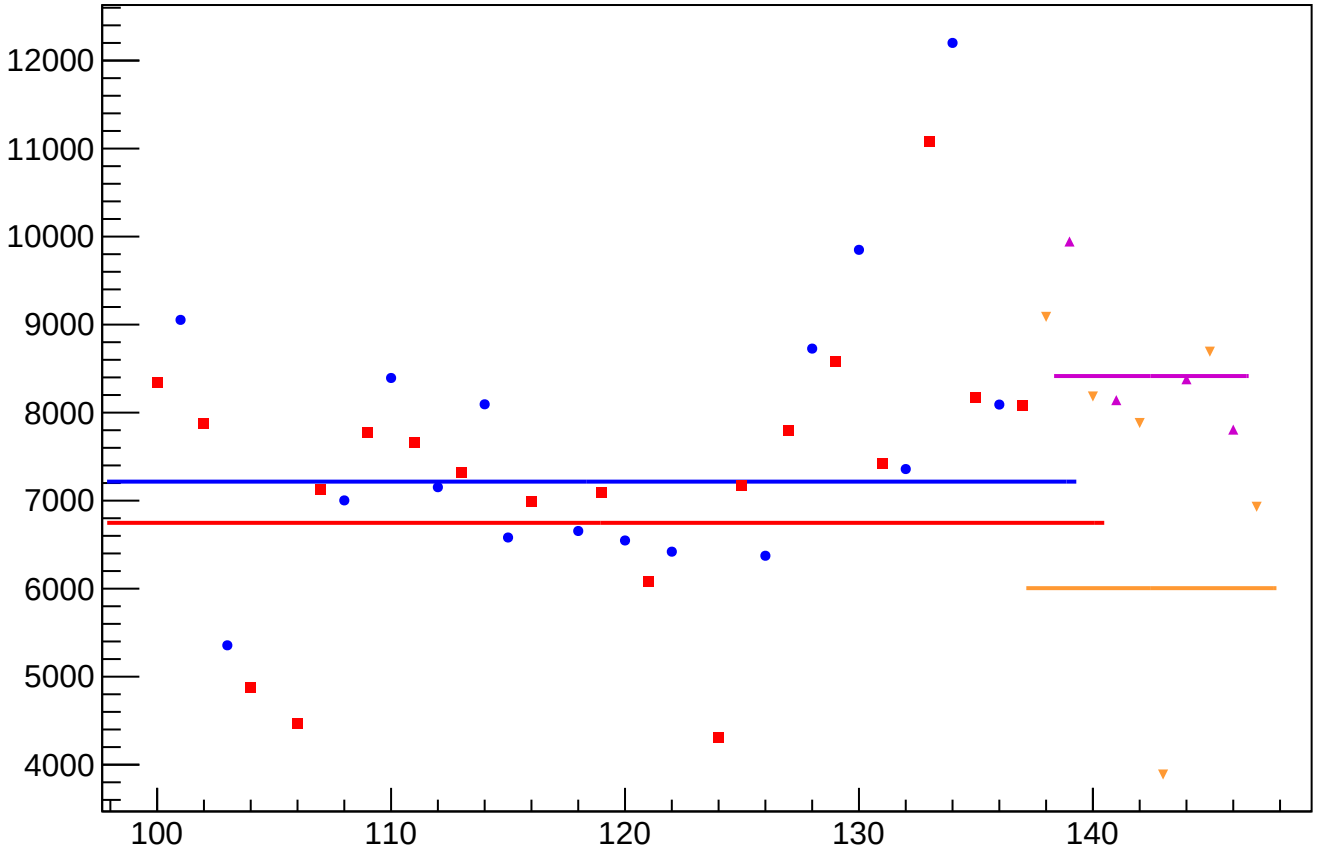
Left In: -796.935+/-4511.187 χ^2/NDF:0.8/3

+ sign 732.075+/-2026.555 χ^2/NDF: 23.2/21

All: 574.261+/-1496.672 χ^2/NDF: 41.4/44

- sign 384.907+/-2219.856 χ^2/NDF: 18.2/22

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6005.694+/-2.129 χ^2/NDF:1008262.2/5

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

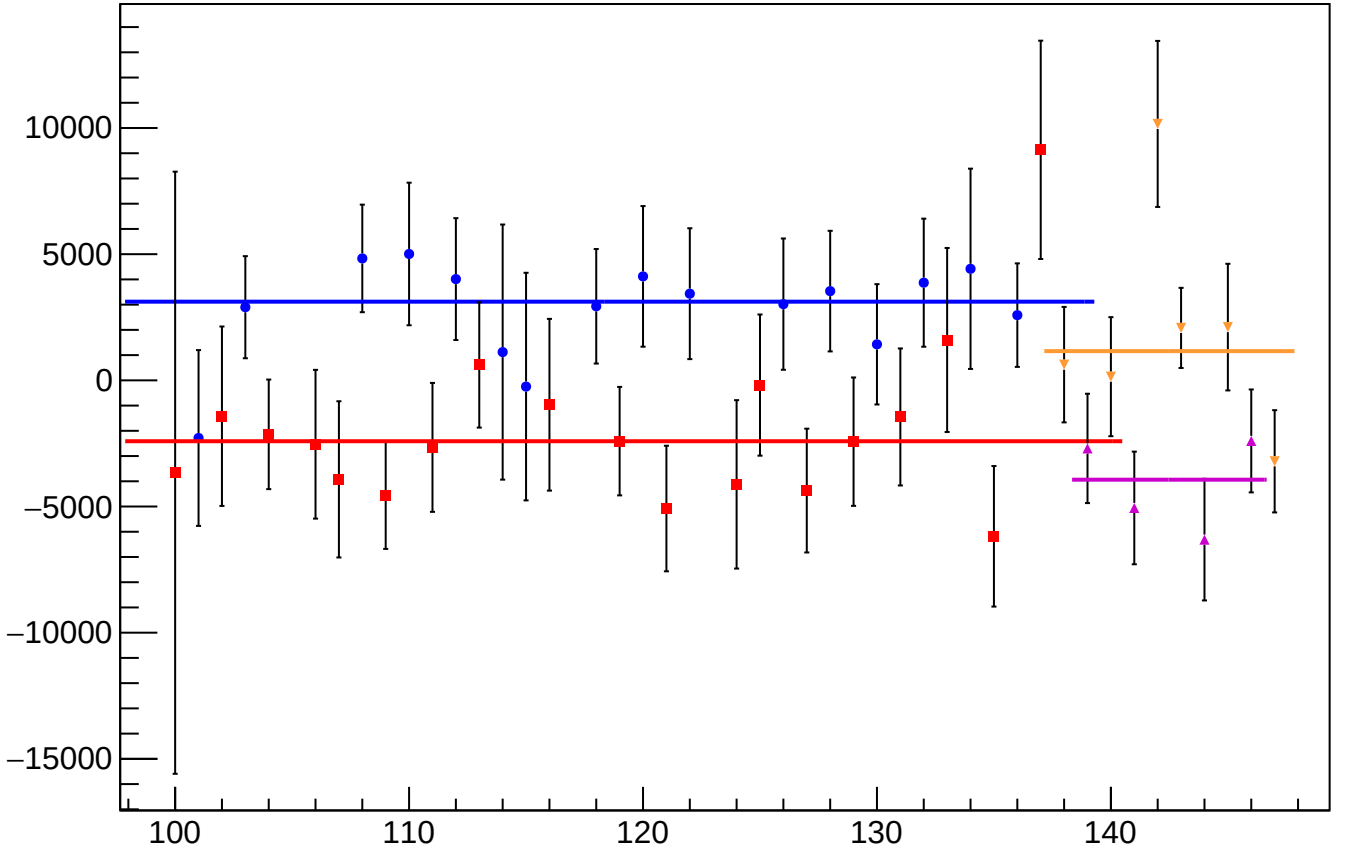
Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

+ sign 6667.813+/-1.433 χ^2/NDF: 1697155.5/21

All: 6887.728+/-1.058 χ^2/NDF: 2717688.2/44

- sign 7151.597+/-1.570 χ^2/NDF: 968721.9/22

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 1157.919+/-890.126 χ^2/NDF:12.9/5

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

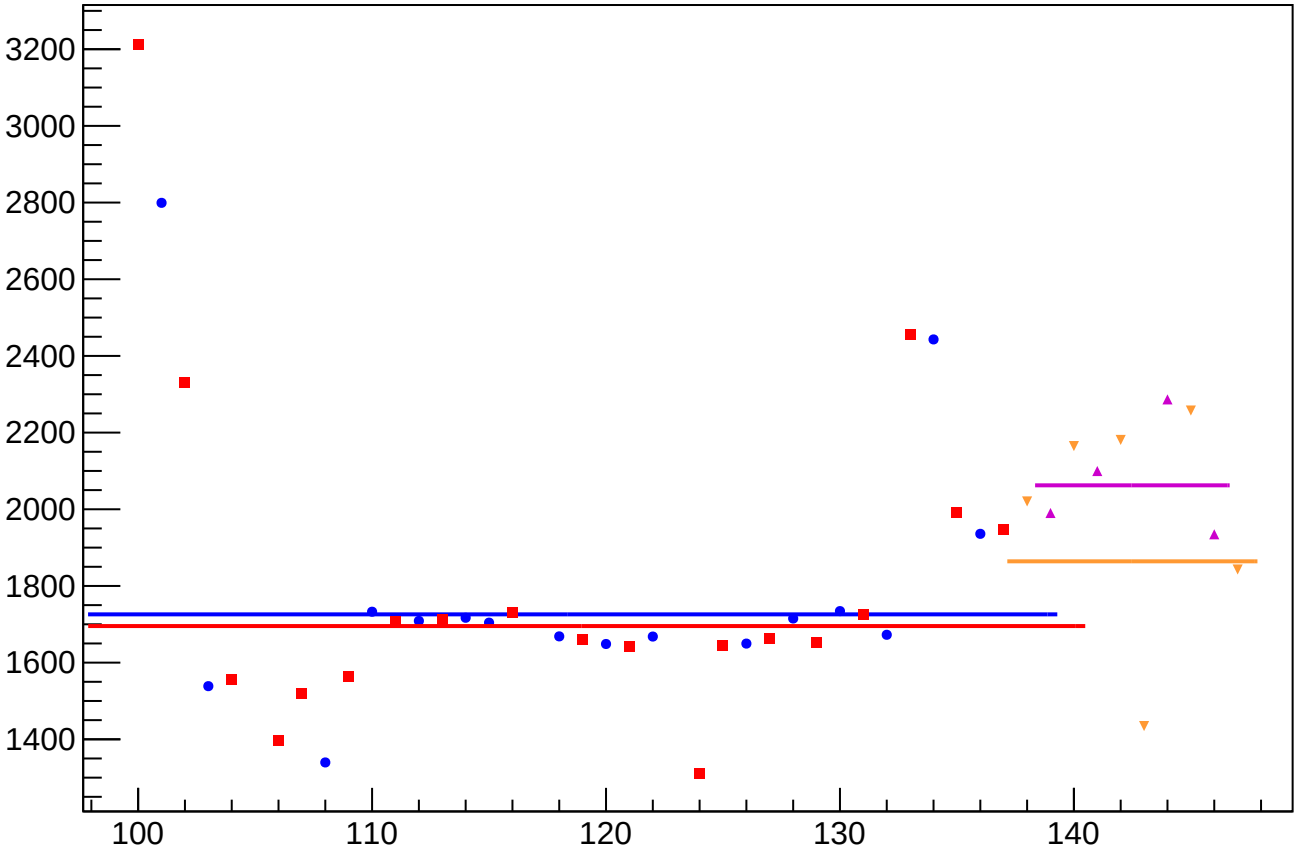
Left In: -3937.153+/-1100.091 χ^2/NDF:2.1/3

+ sign 2434.701+/-525.527 χ^2/NDF: 21.3/21

All: -50.111+/-380.802 χ^2/NDF: 87.9/44

- sign -2797.136+/-552.560 χ^2/NDF: 19.5/22

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1864.224+/-0.629 χ^2/NDF:256079.0/5

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

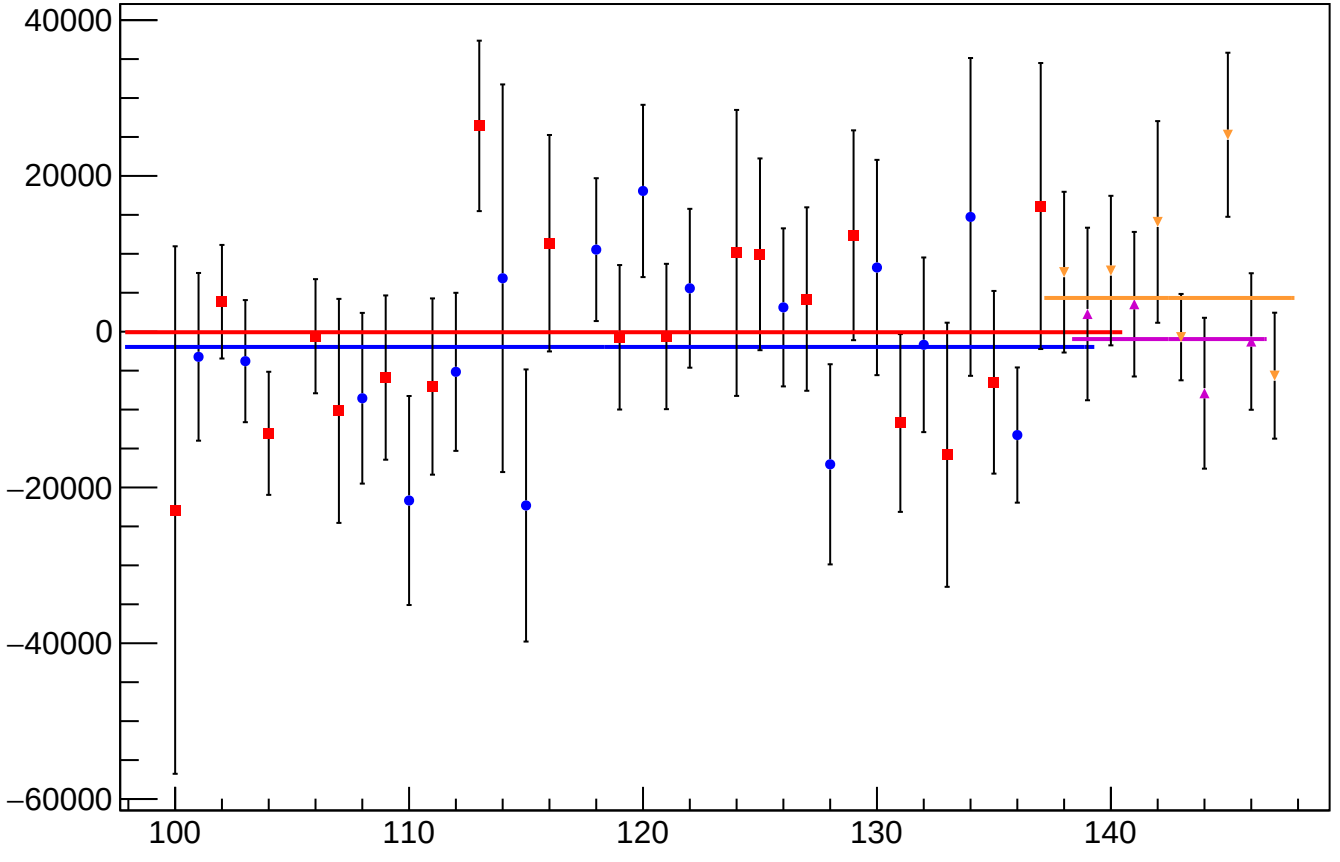
Left In: 2062.461+/-0.778 χ^2/NDF:27915.4/3

+ sign 1774.122+/-0.372 χ^2/NDF: 653175.2/21

All: 1780.689+/-0.269 χ^2/NDF: 1133900.1/44

- sign 1787.945+/-0.391 χ^2/NDF: 480067.5/22

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 4331.587+/-3469.823 χ^2/NDF:7.1/5

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

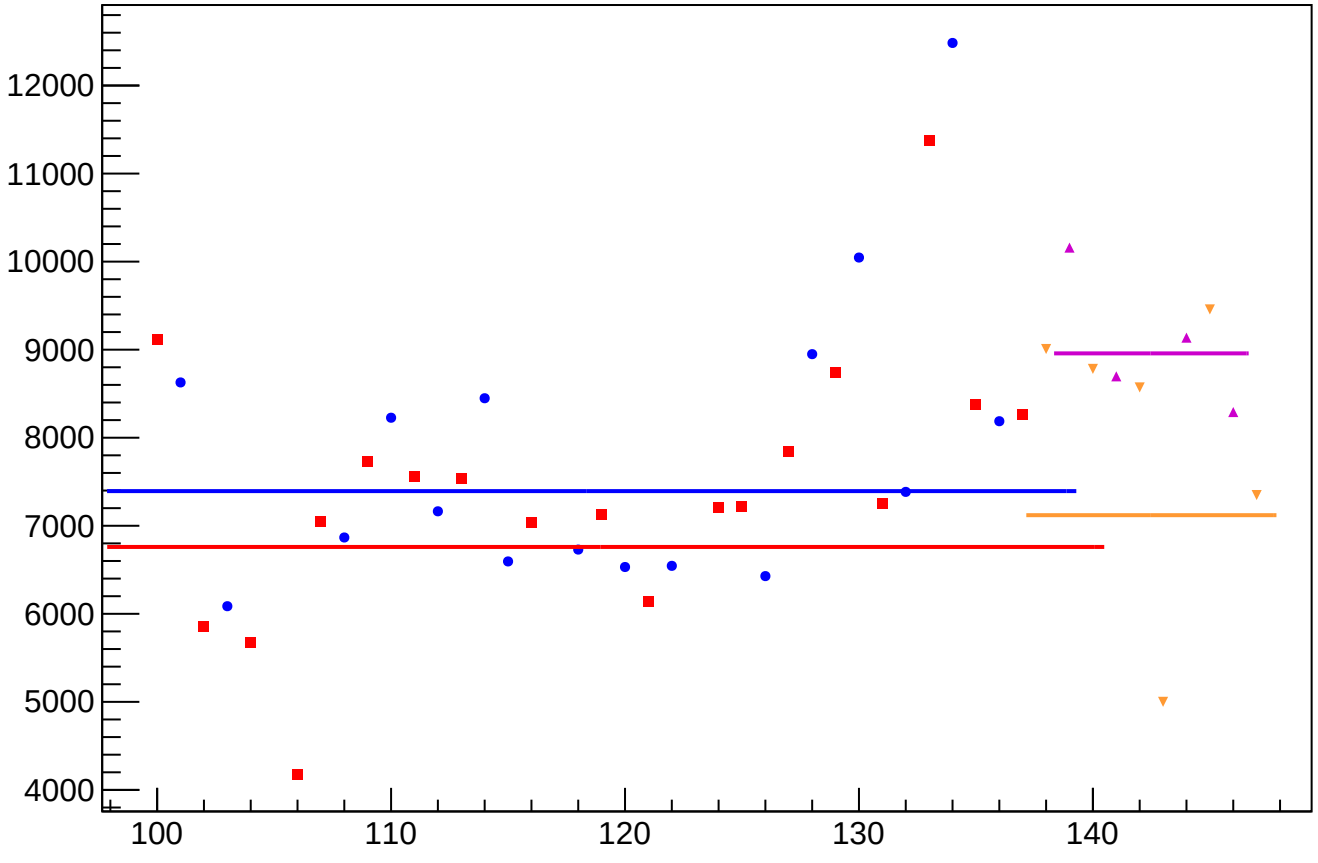
Left In: -946.893+/-4798.238 χ^2/NDF:0.8/3

+ sign 520.288+/-2178.220 χ^2/NDF: 23.5/21

All: 140.999+/-1560.814 χ^2/NDF: 40.5/44

- sign -259.261+/-2237.628 χ^2/NDF: 17.0/22

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7120.193+/-2.454 χ^2/NDF:544451.2/5

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

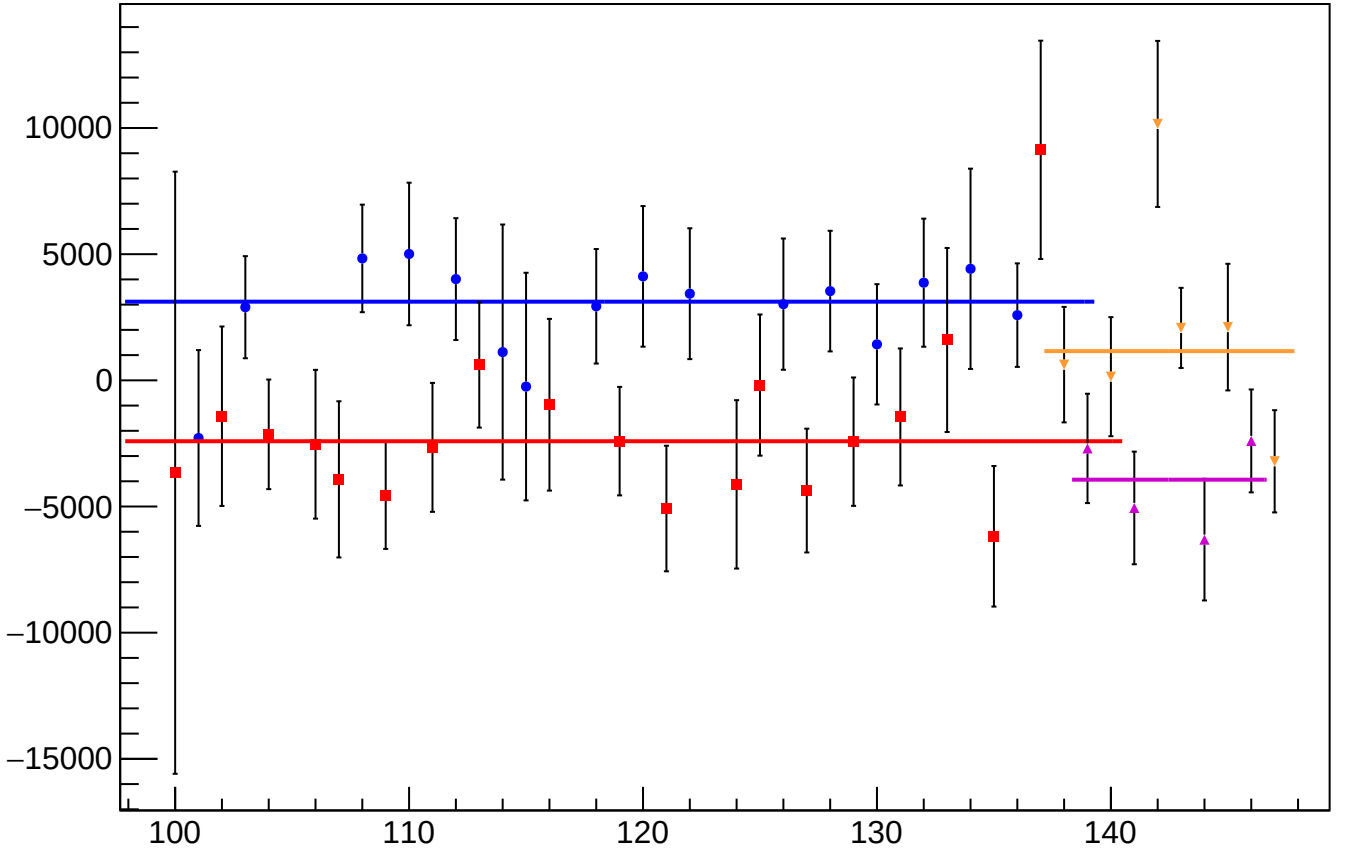
Left In: 8957.881+/-3.393 χ^2/NDF:37339.1/3

+ sign 7285.868+/-1.540 χ^2/NDF: 953803.1/21

All: 7262.354+/-1.104 χ^2/NDF: 1964459.7/44

- sign 7237.540+/-1.582 χ^2/NDF: 1010177.6/22

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 1157.922+/-890.127 χ^2/NDF:12.9/5

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

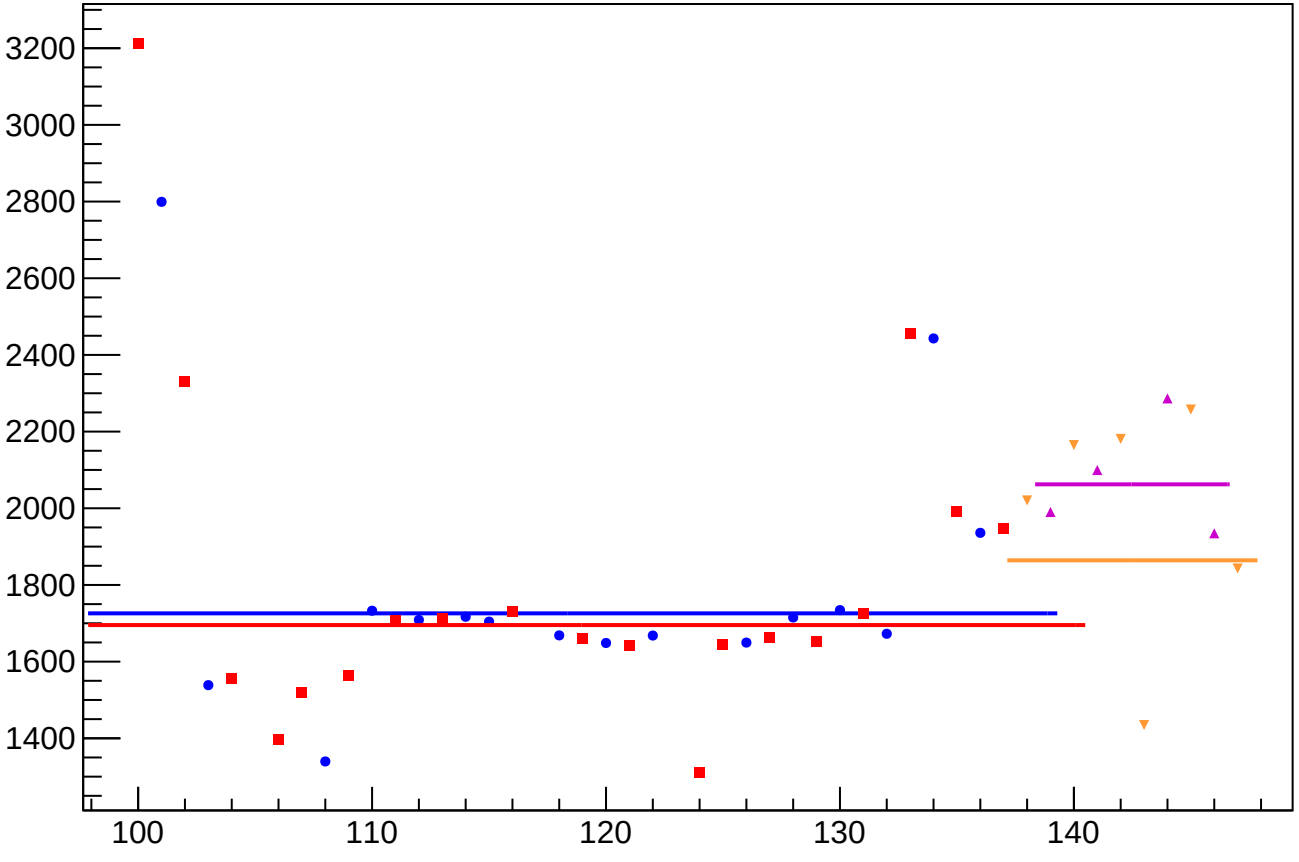
Left In: -3937.144+/-1100.093 χ^2/NDF:2.1/3

+ sign 2434.705+/-525.527 χ^2/NDF: 21.3/21

All: -50.110+/-380.802 χ^2/NDF: 87.9/44

- sign -2797.138+/-552.560 χ^2/NDF: 19.5/22

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1864.226+/-0.629 χ^2/NDF:256079.4/5

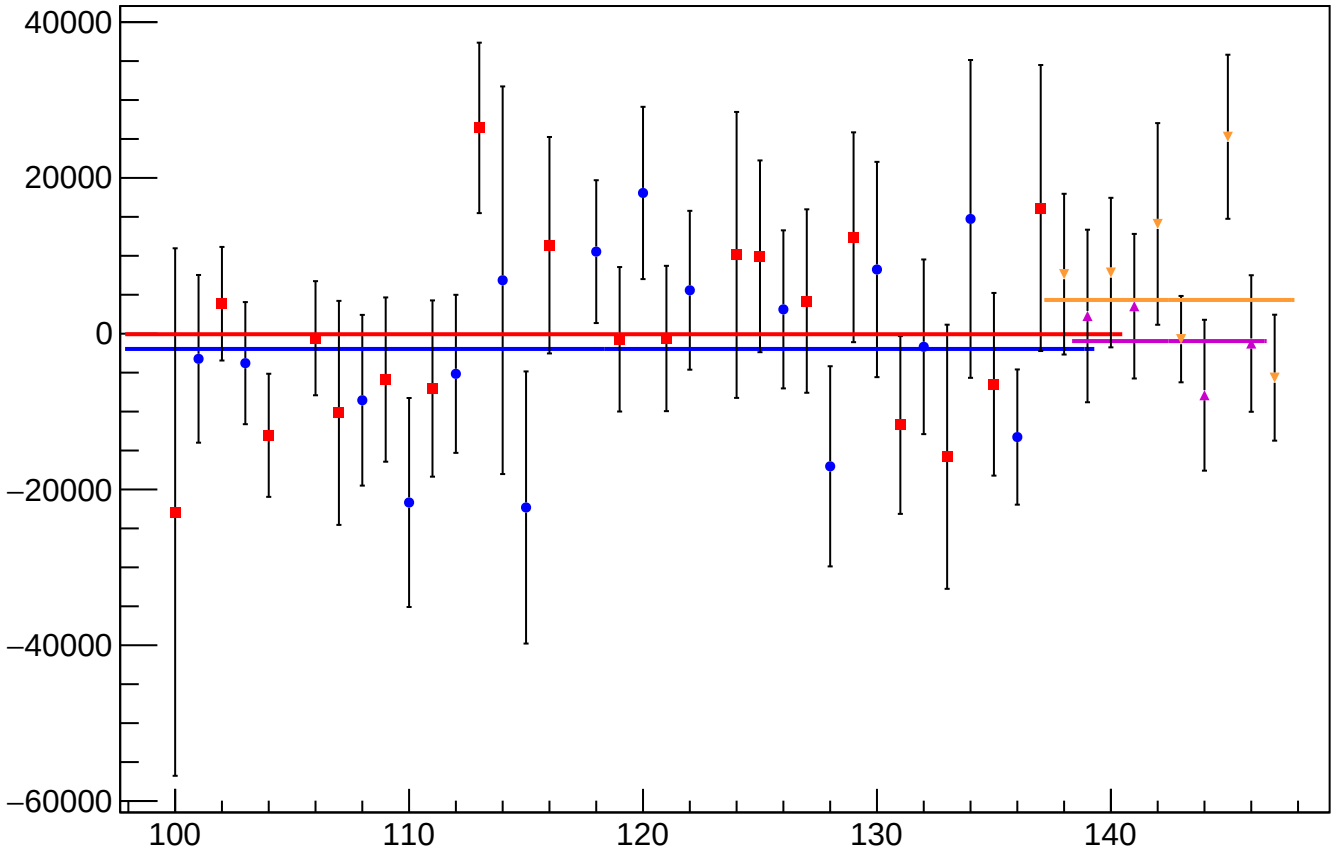
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2062.464+/-0.778 χ^2/NDF:27915.4/3

+ sign 1774.123+/-0.372 χ^2/NDF: 653177.0/21

All: 1780.690+/-0.269 χ^2/NDF: 1133905.1/44

- sign 1787.945+/-0.391 χ^2/NDF: 480070.7/22



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 4331.586+/-3469.829 χ^2/NDF:7.1/5

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

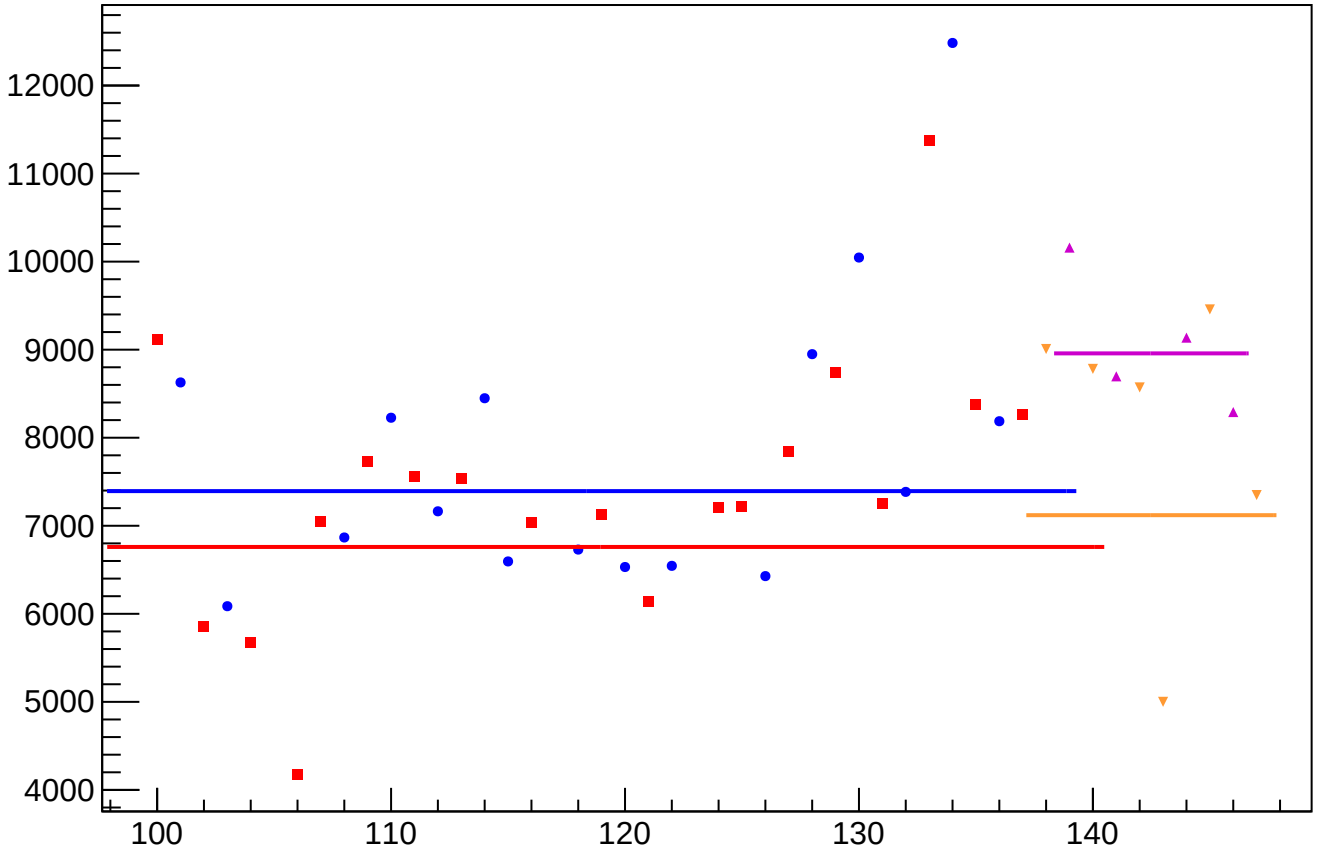
Left In: -946.883+/-4798.246 χ^2/NDF:0.8/3

+ sign 520.288+/-2178.219 χ^2/NDF: 23.5/21

All: 140.998+/-1560.813 χ^2/NDF: 40.5/44

- sign -259.263+/-2237.625 χ^2/NDF: 17.0/22

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7120.205+/-2.454 χ^2/NDF:544451.4/5

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

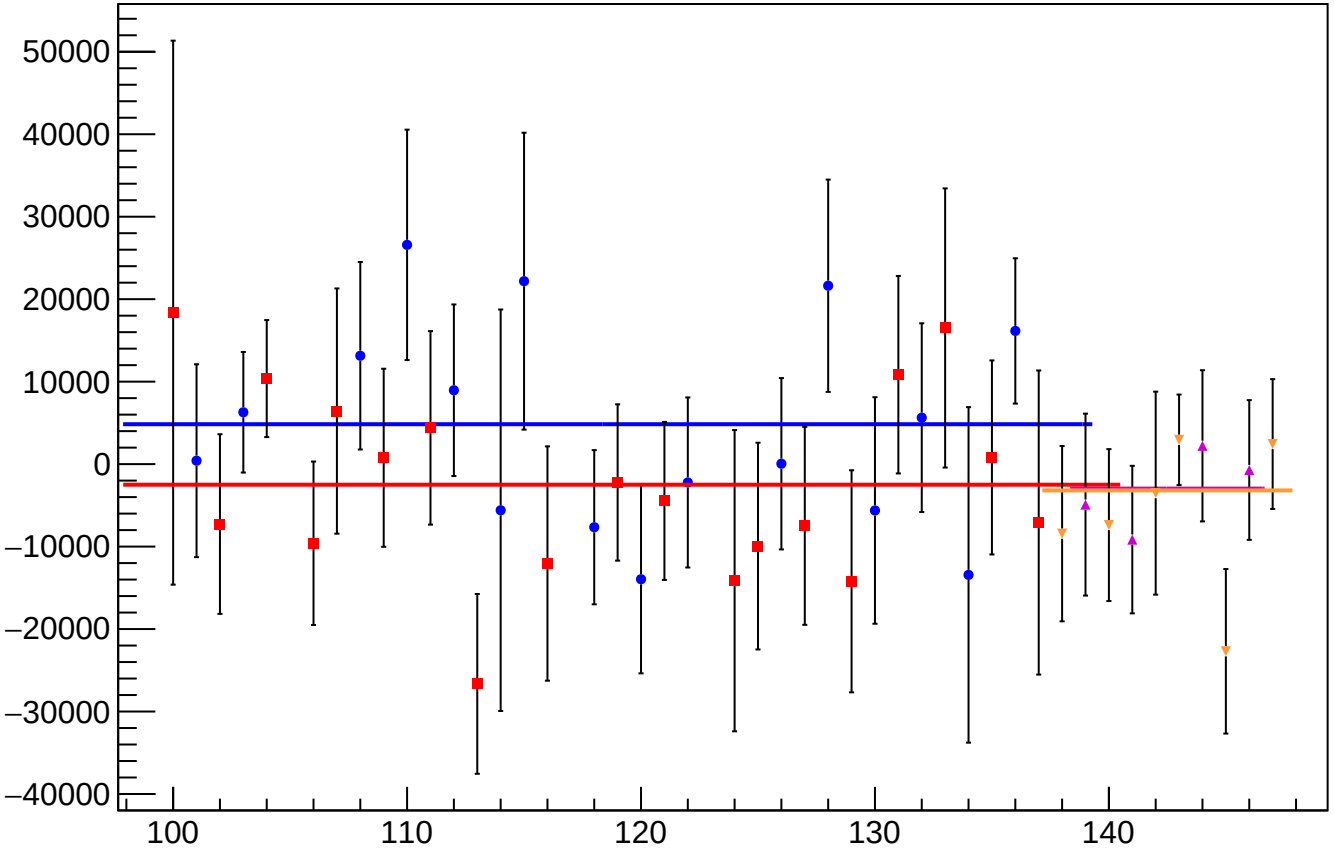
Left In: 8957.895+/-3.393 χ^2/NDF:37339.6/3

+ sign 7285.863+/-1.540 χ^2/NDF: 953804.0/21

All: 7262.346+/-1.104 χ^2/NDF: 1964468.1/44

- sign 7237.529+/-1.582 χ^2/NDF: 1010185.0/22

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -3187.580+/-3397.779 χ^2/NDF:6.0/5

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

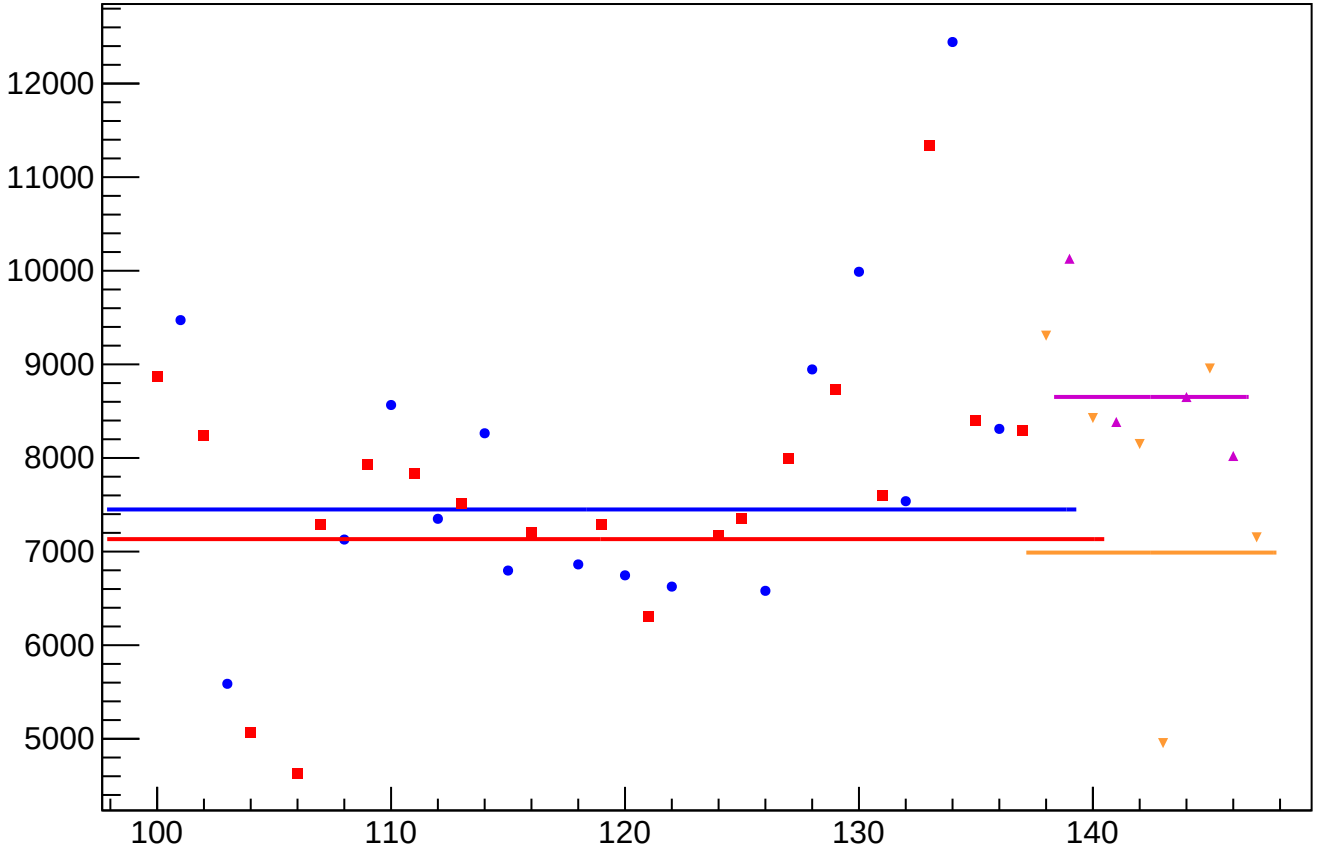
Left In: -2970.354+/-4634.848 χ^2/NDF:0.9/3

+ sign 1552.240+/-2174.042 χ^2/NDF: 23.7/21

All: -387.511+/-1589.595 χ^2/NDF: 41.2/44

- sign -2615.775+/-2330.119 χ^2/NDF: 15.8/22

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6989.357+/-2.403 χ^2/NDF:514936.9/5

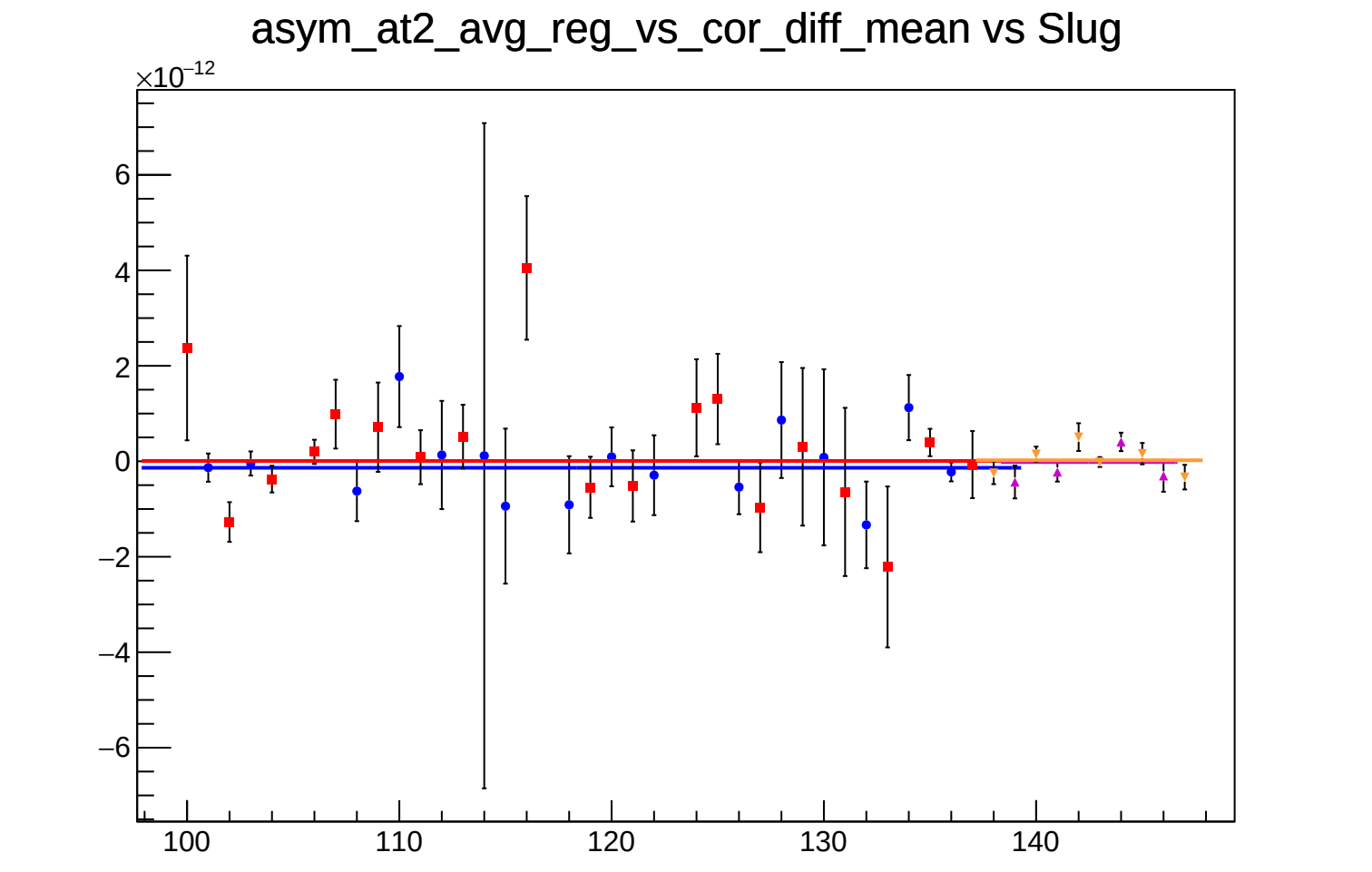
Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8652.168+/-3.277 χ^2/NDF:48707.2/3

+ sign 7261.407+/-1.537 χ^2/NDF: 1023073.6/21

All: 7380.368+/-1.124 χ^2/NDF: 1802182.4/44

- sign 7517.010+/-1.648 χ^2/NDF: 766242.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

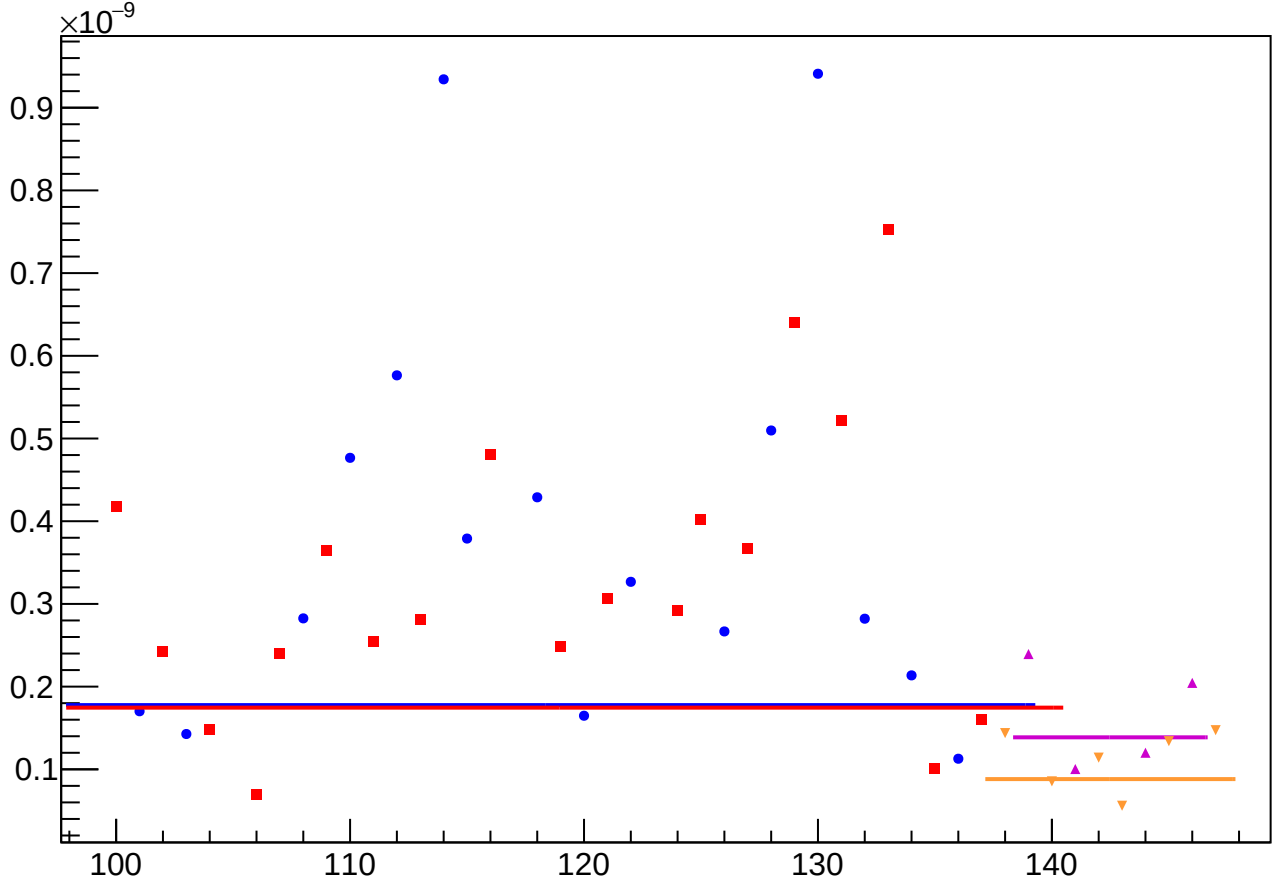
Left In: -0.000+/-0.000 χ^2/NDF:8.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/21

All: -0.000+/-0.000 χ^2/NDF: 60.8/44

- sign -0.000+/-0.000 χ^2/NDF: 40.9/22

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:512596.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

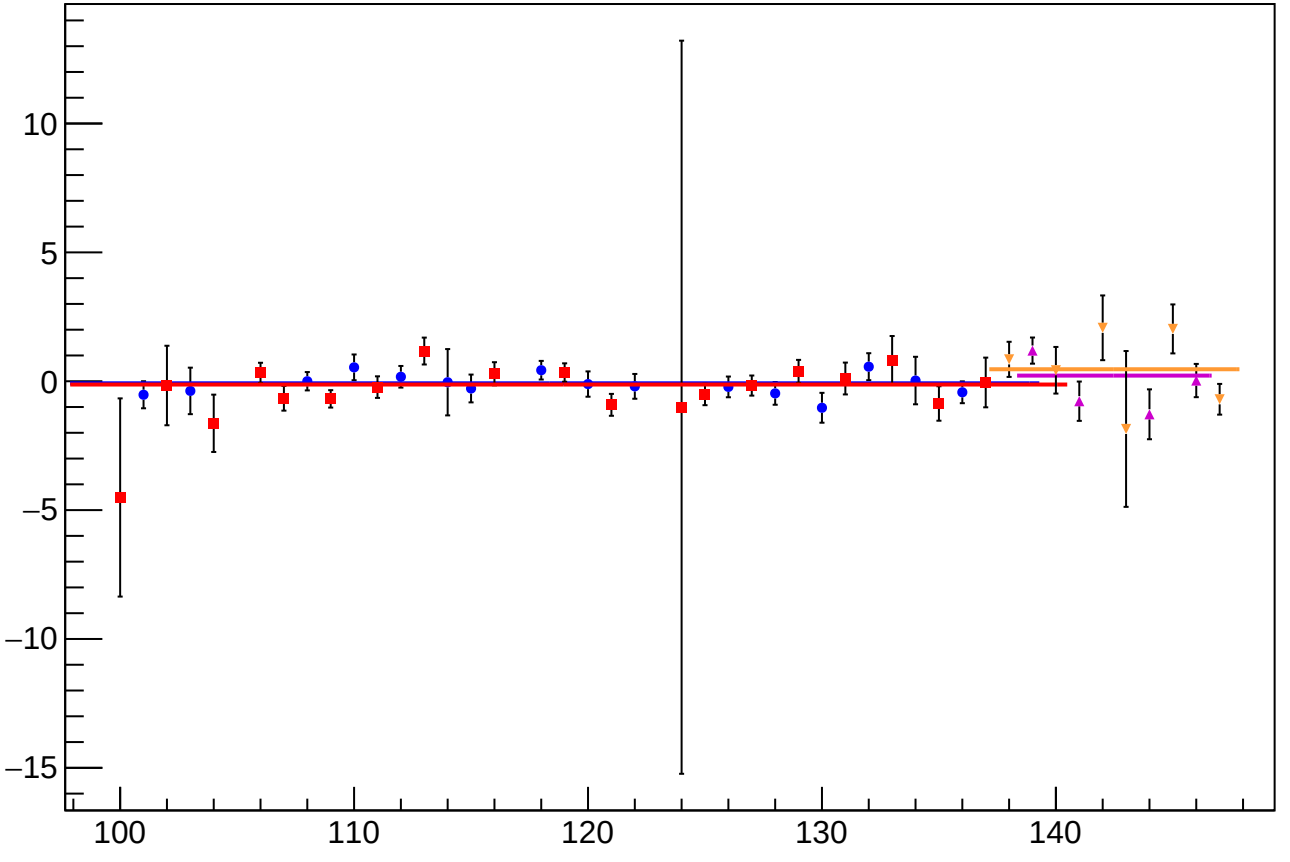
Left In: 0.000+/-0.000 χ^2/NDF:341704.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2867394.0/21

All: 0.000+/-0.000 χ^2/NDF: 5297789.3/44

- sign 0.000+/-0.000 χ^2/NDF: 2070139.6/22

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

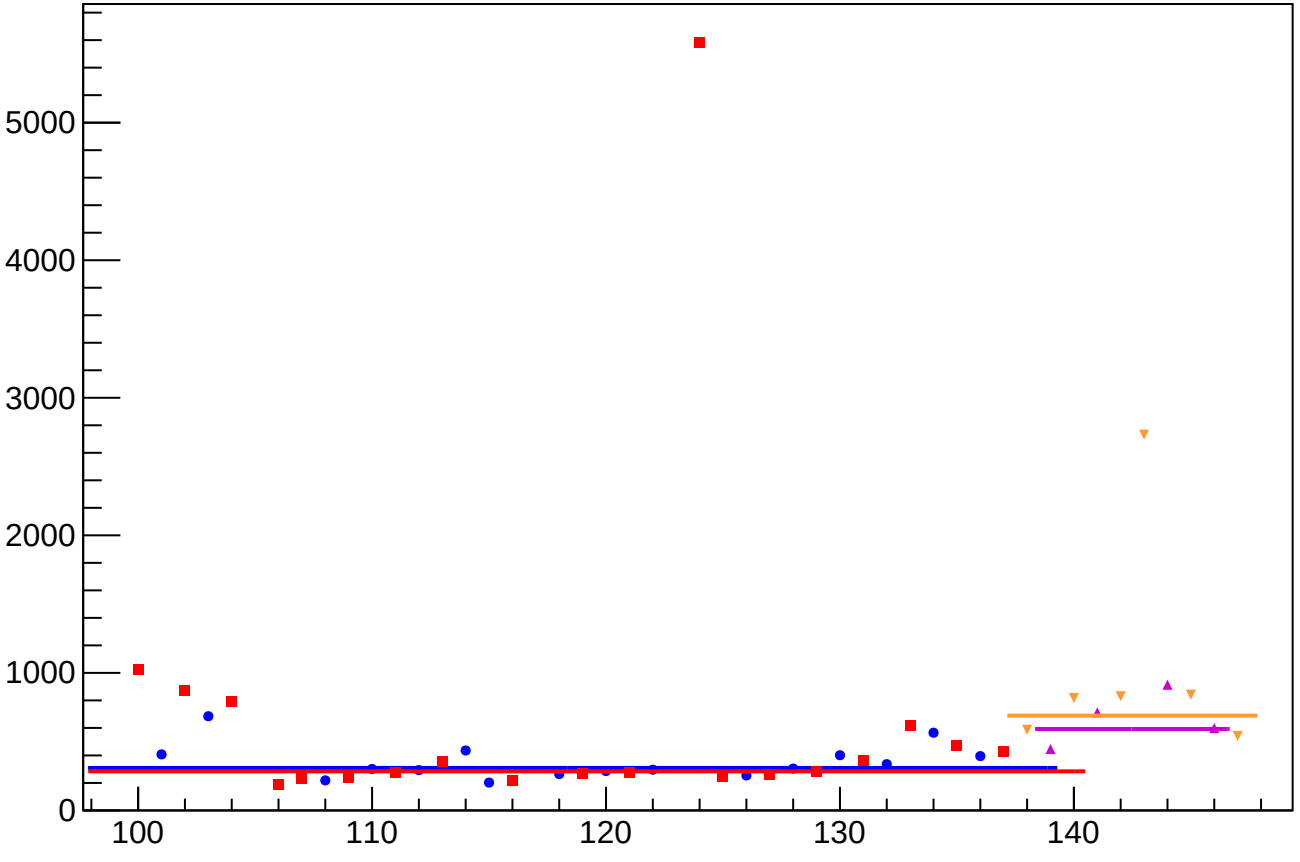
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.057+/-0.080 χ^2/NDF: 56.2/44

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 689.339+/-0.249 χ^2/NDF:1197766.5/5

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

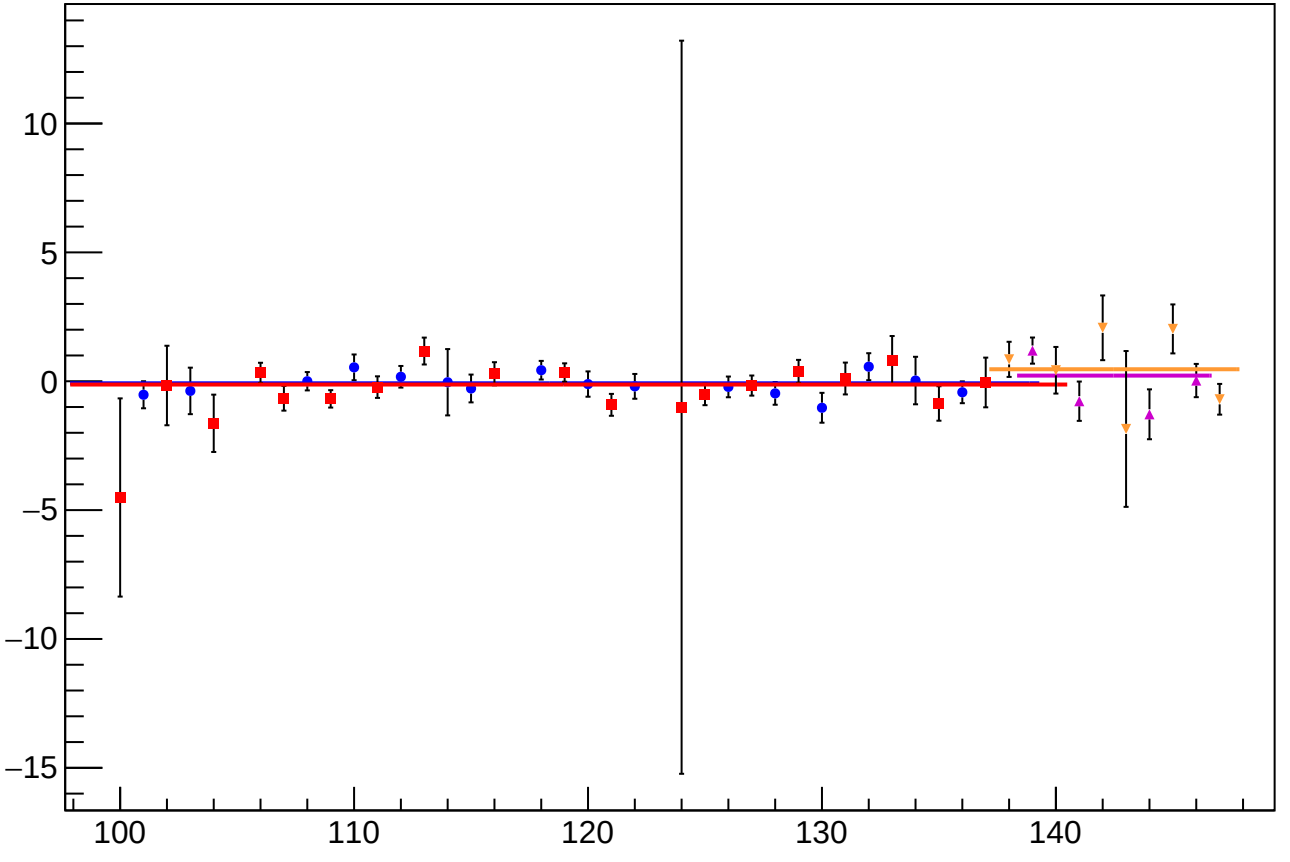
Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

+ sign 349.657+/-0.081 χ^2/NDF: 4289524.4/21

All: 333.244+/-0.056 χ^2/NDF: 8195027.8/44

- sign 318.201+/-0.078 χ^2/NDF: 3827670.7/22

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

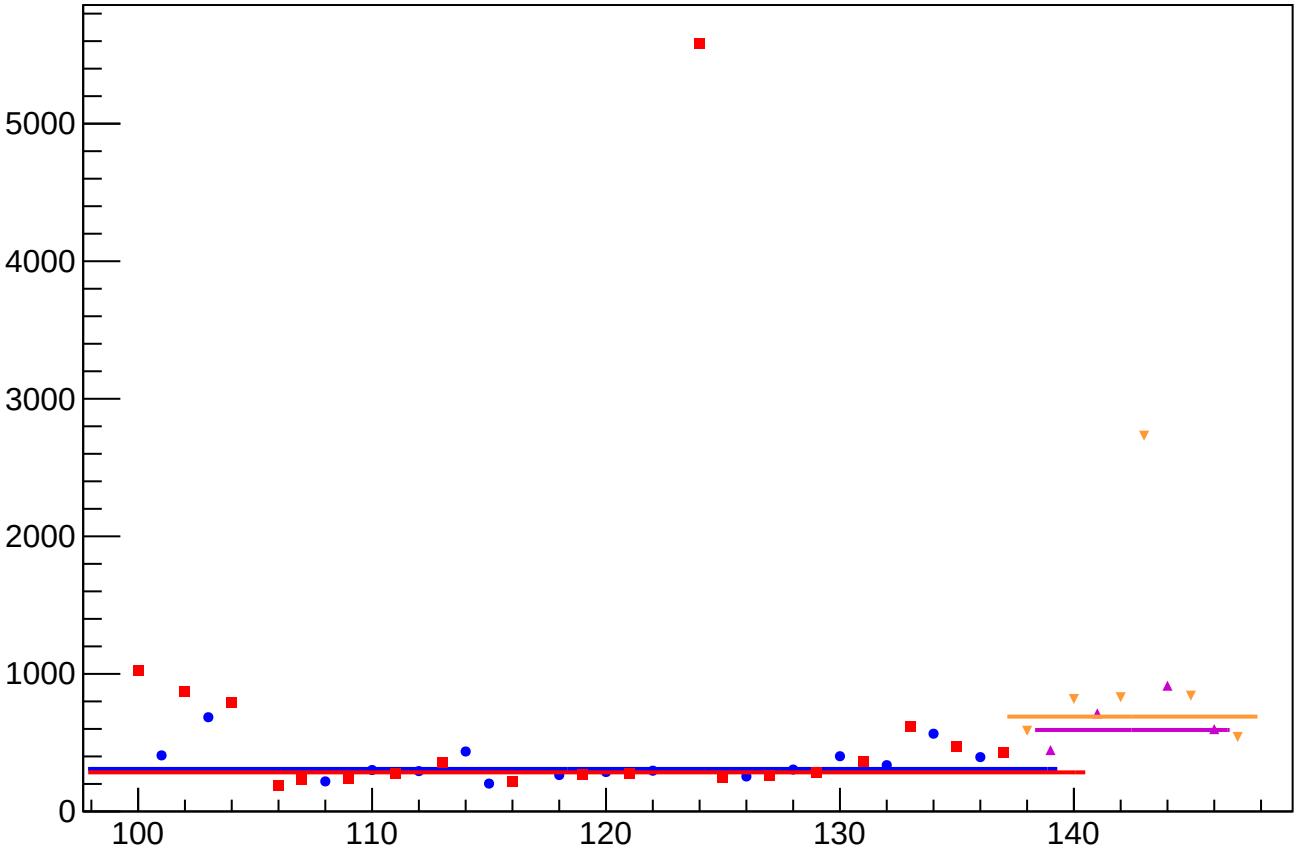
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.057+/-0.080 χ^2/NDF: 56.2/44

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

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: 689.339+/-0.249 χ^2/NDF:1197766.5/5

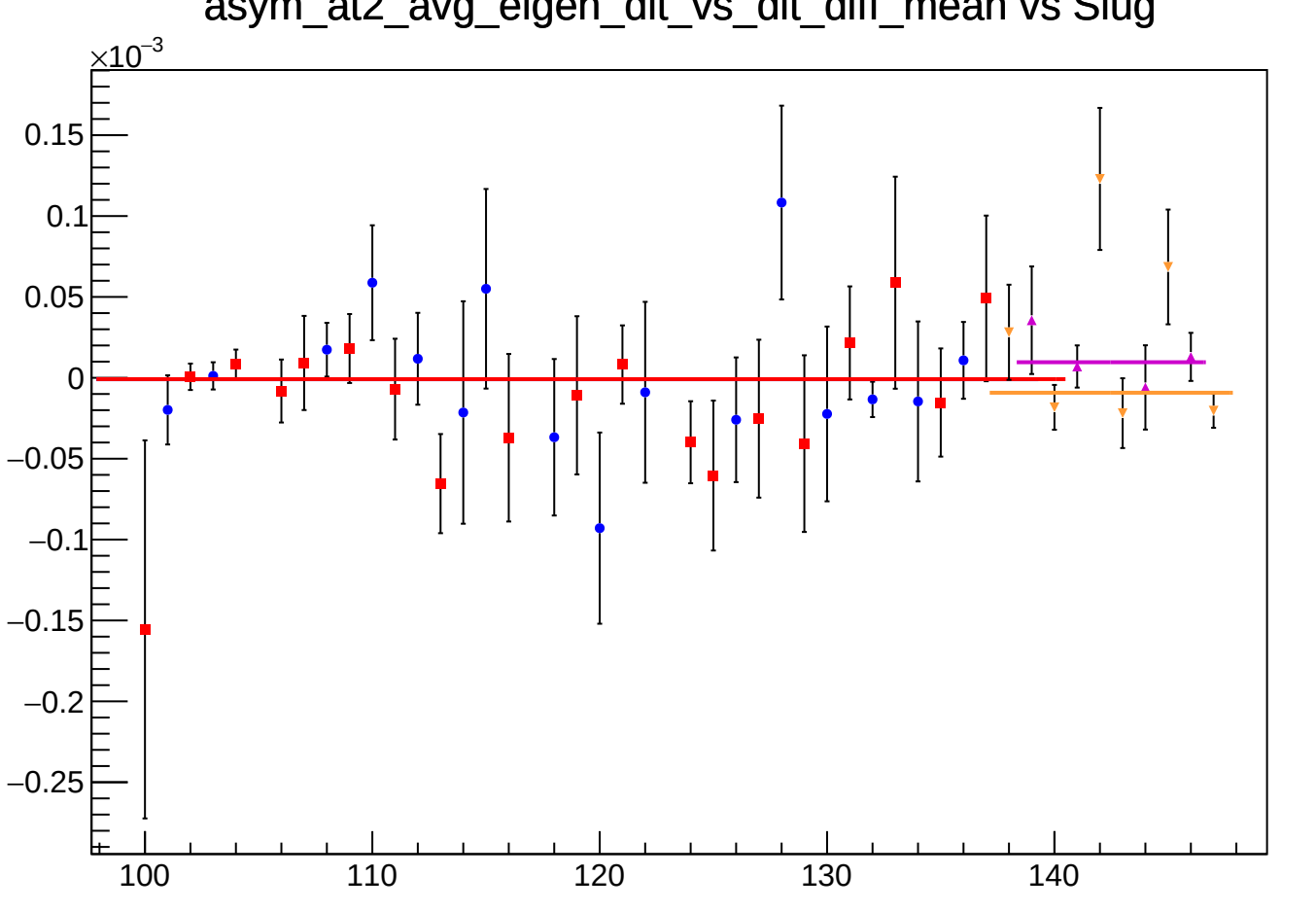
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

+ sign 349.657+/-0.081 χ^2/NDF: 4289524.4/21

All: 333.244+/-0.056 χ^2/NDF: 8195027.8/44

- sign 318.201+/-0.078 χ^2/NDF: 3827670.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

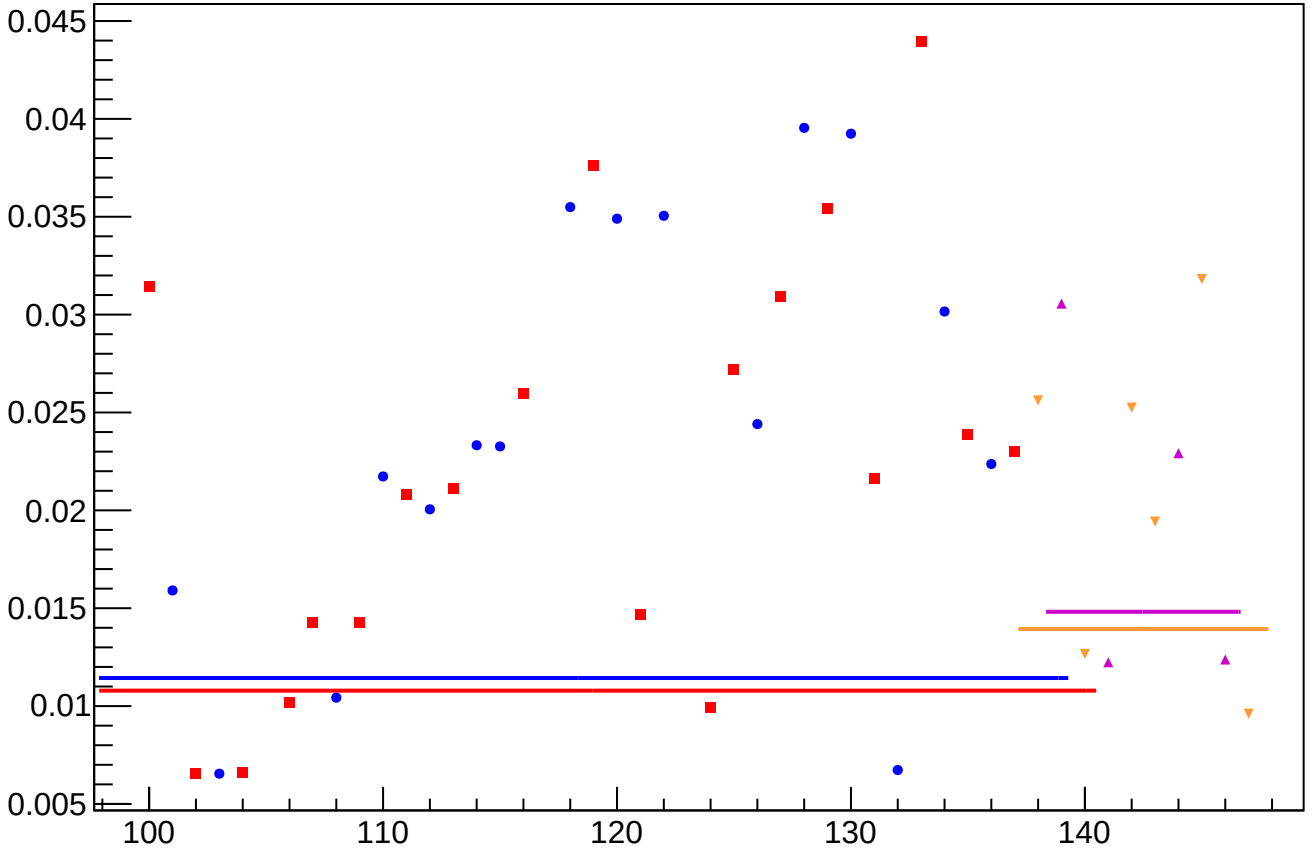
Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/21

All: -0.000+/-0.000 χ^2/NDF: 51.8/44

- sign 0.000+/-0.000 χ^2/NDF: 18.3/22

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:1438579.7/5

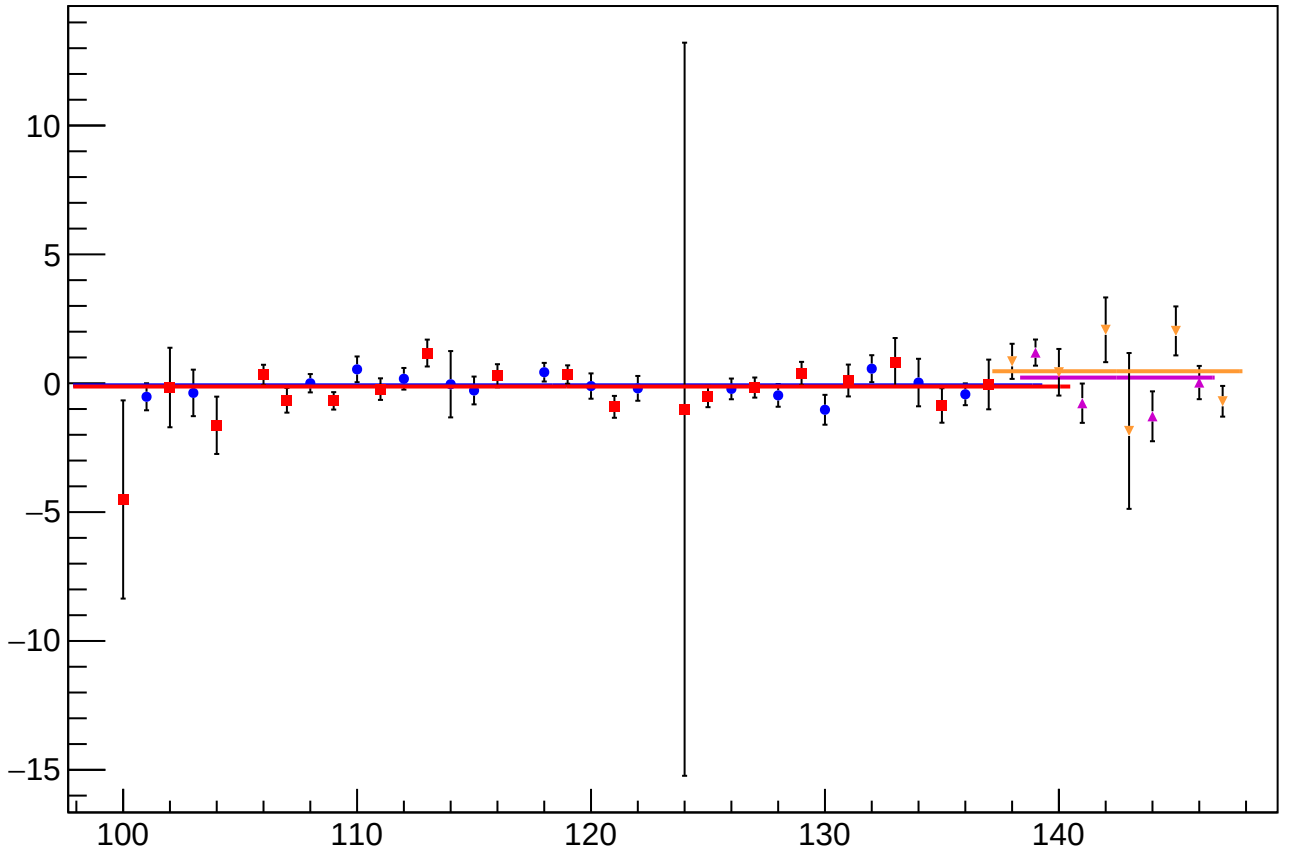
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.015+/-0.000 χ^2/NDF:773549.3/3

+ sign 0.012+/-0.000 χ^2/NDF: 6291922.3/21

All: 0.012+/-0.000 χ^2/NDF: 11877091.1/44

- sign 0.012+/-0.000 χ^2/NDF: 5566425.0/22



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

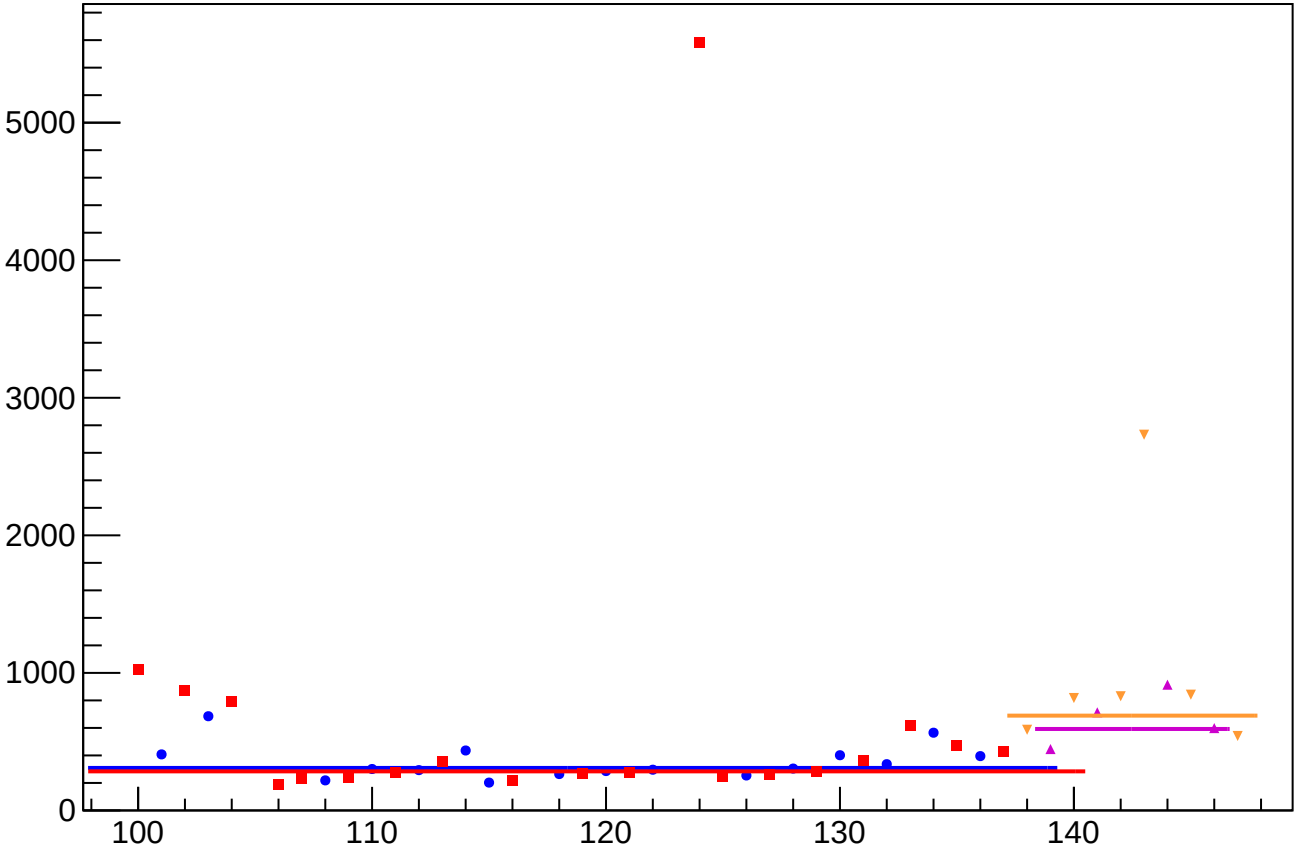
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.057+/-0.080 χ^2/NDF: 56.3/44

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

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: 689.346+/-0.249 χ^2/NDF:1197765.0/5

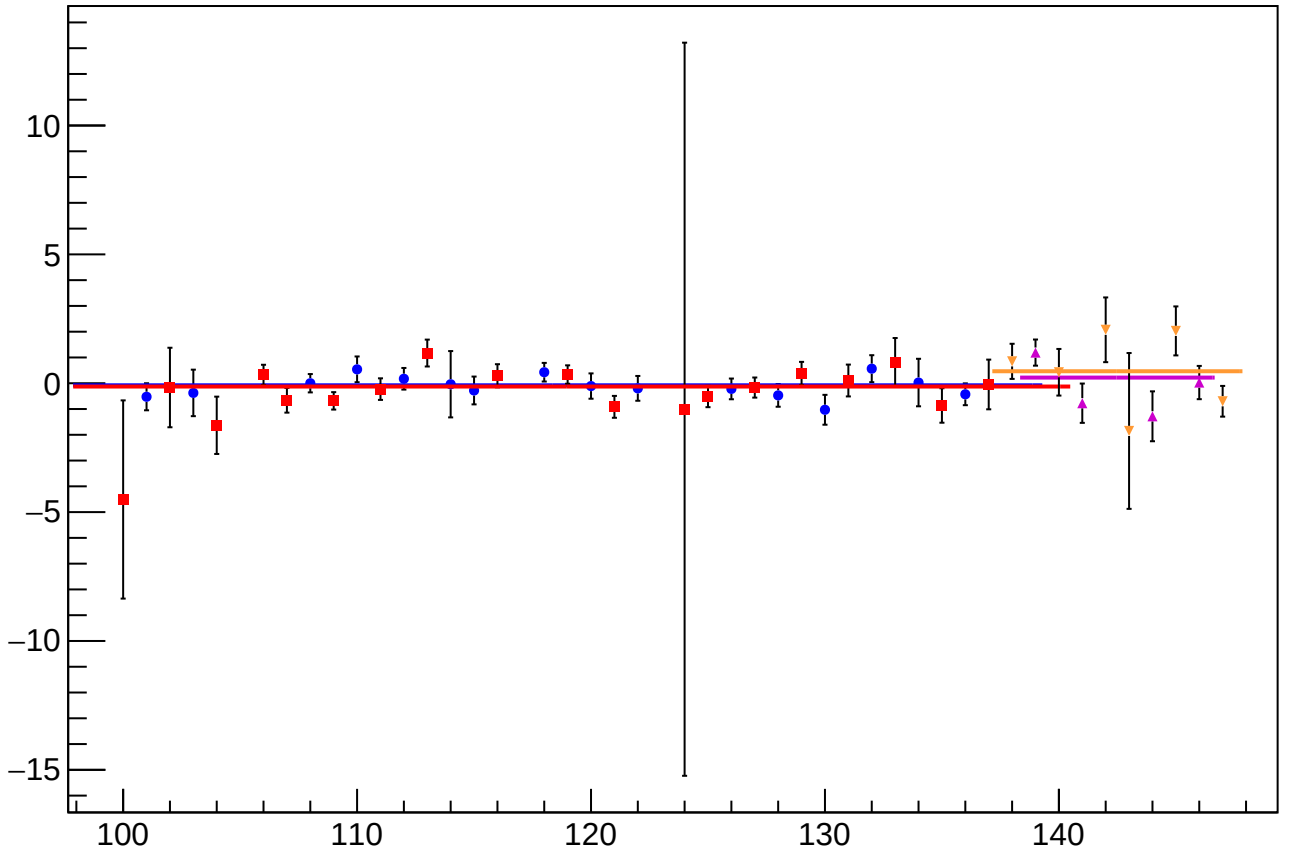
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

+ sign 349.656+/-0.081 χ^2/NDF: 4289543.3/21

All: 333.243+/-0.056 χ^2/NDF: 8195074.6/44

- sign 318.200+/-0.078 χ^2/NDF: 3827699.7/22



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

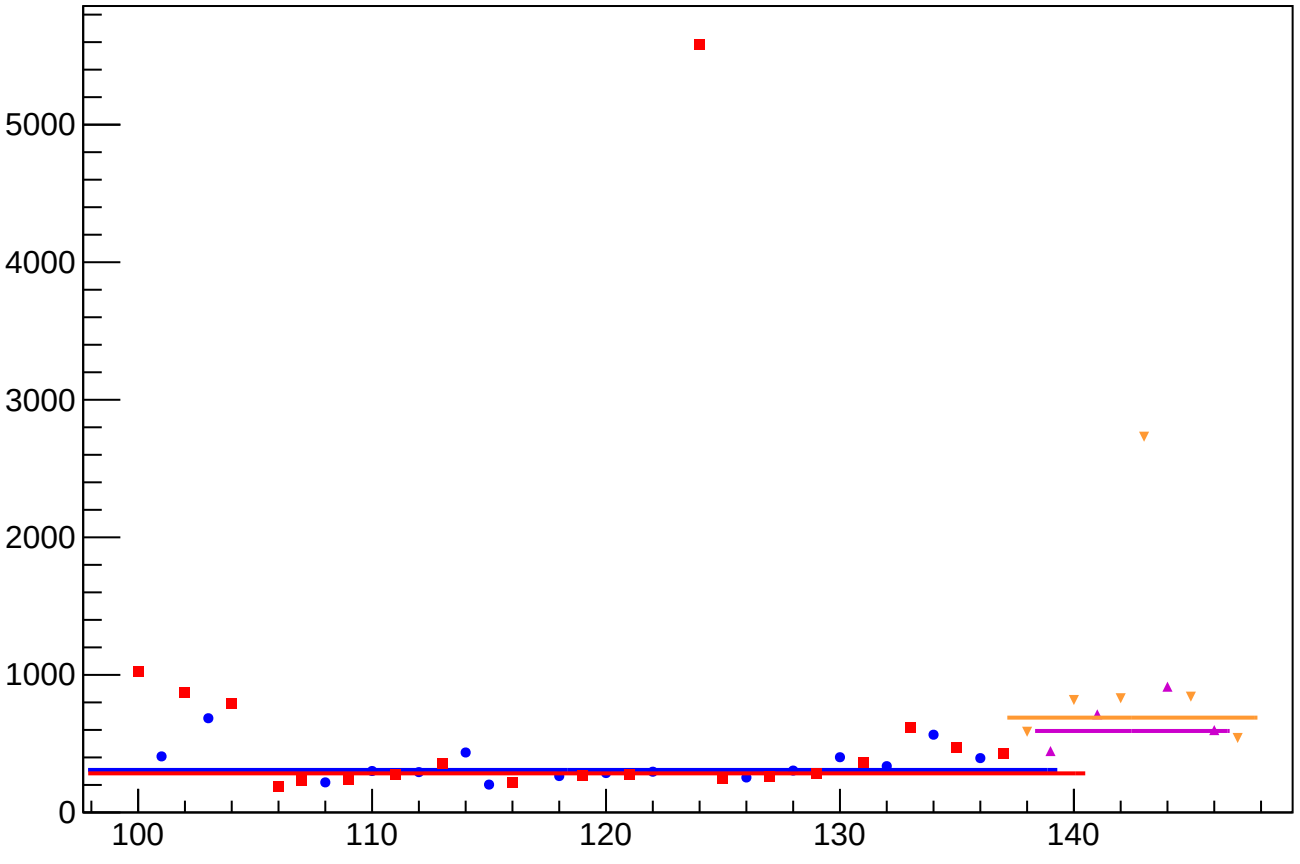
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

\+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.057+/-0.080 χ^2/NDF: 56.3/44

\- sign -0.089+/-0.110 χ^2/NDF: 34.1/22



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 689.346+/-0.249 χ^2/NDF:1197765.0/5

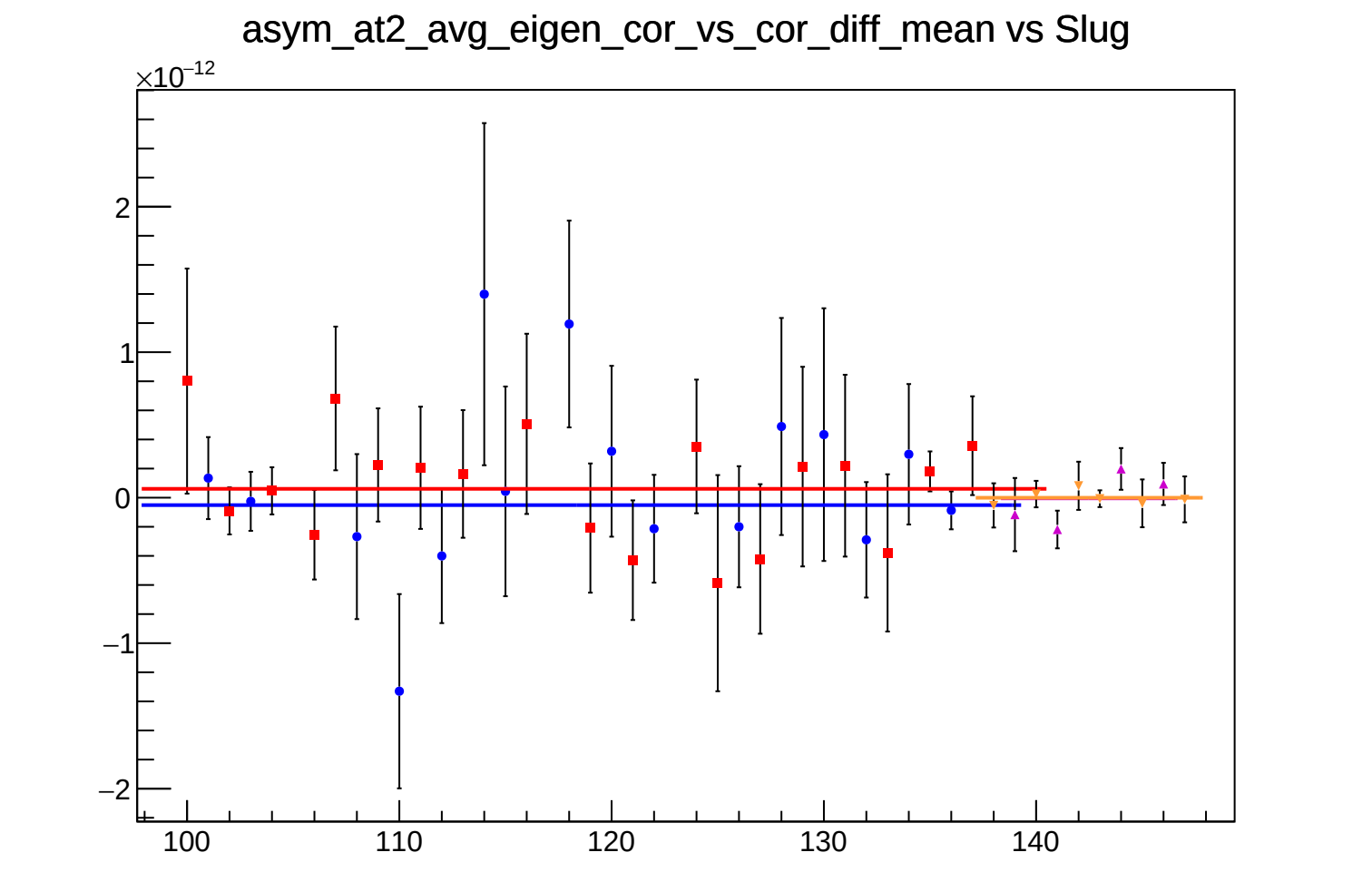
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

+ sign 349.656+/-0.081 χ^2/NDF: 4289543.3/21

All: 333.243+/-0.056 χ^2/NDF: 8195074.6/44

- sign 318.200+/-0.078 χ^2/NDF: 3827699.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/5

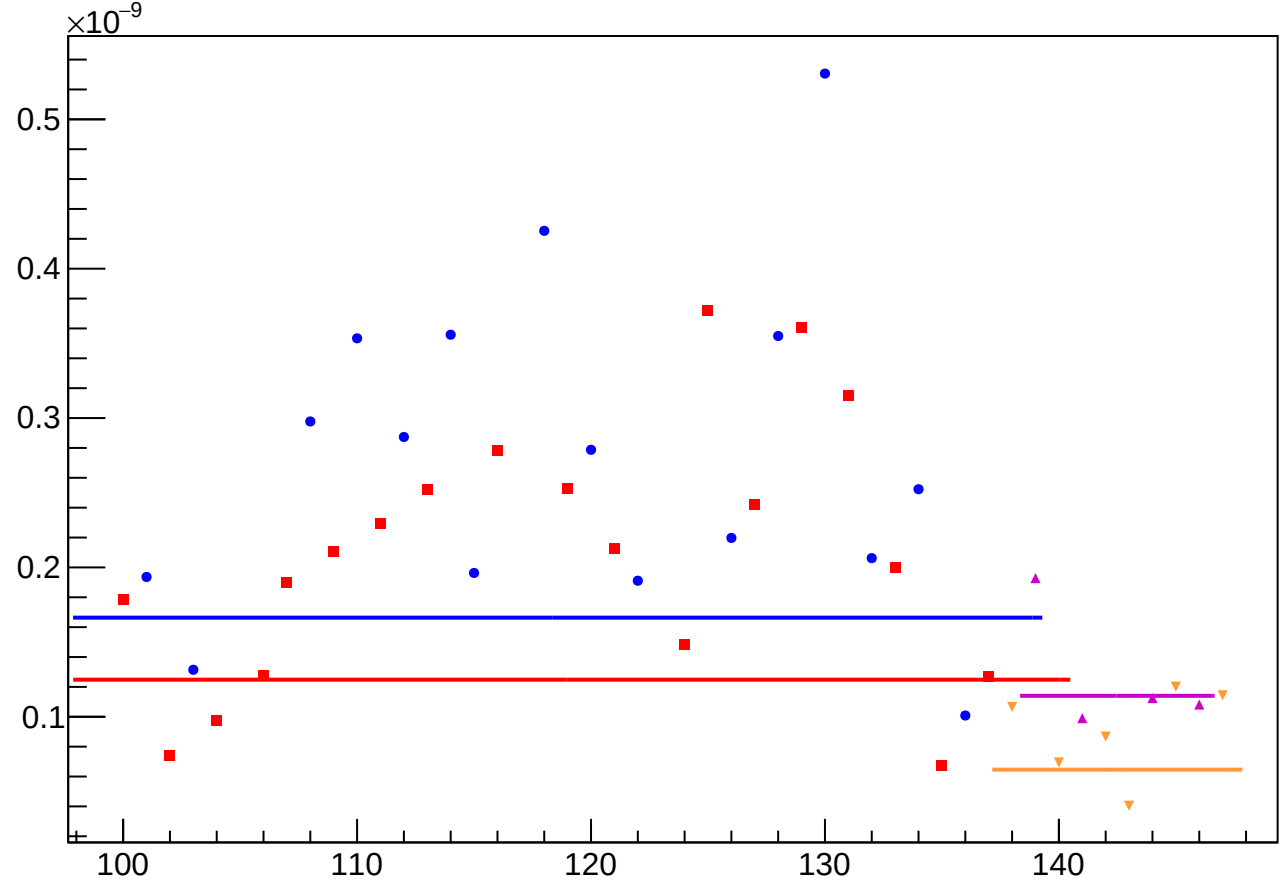
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 12.8/21

All: 0.000+/-0.000 χ^2/NDF: 30.4/44

- sign 0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:972679.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

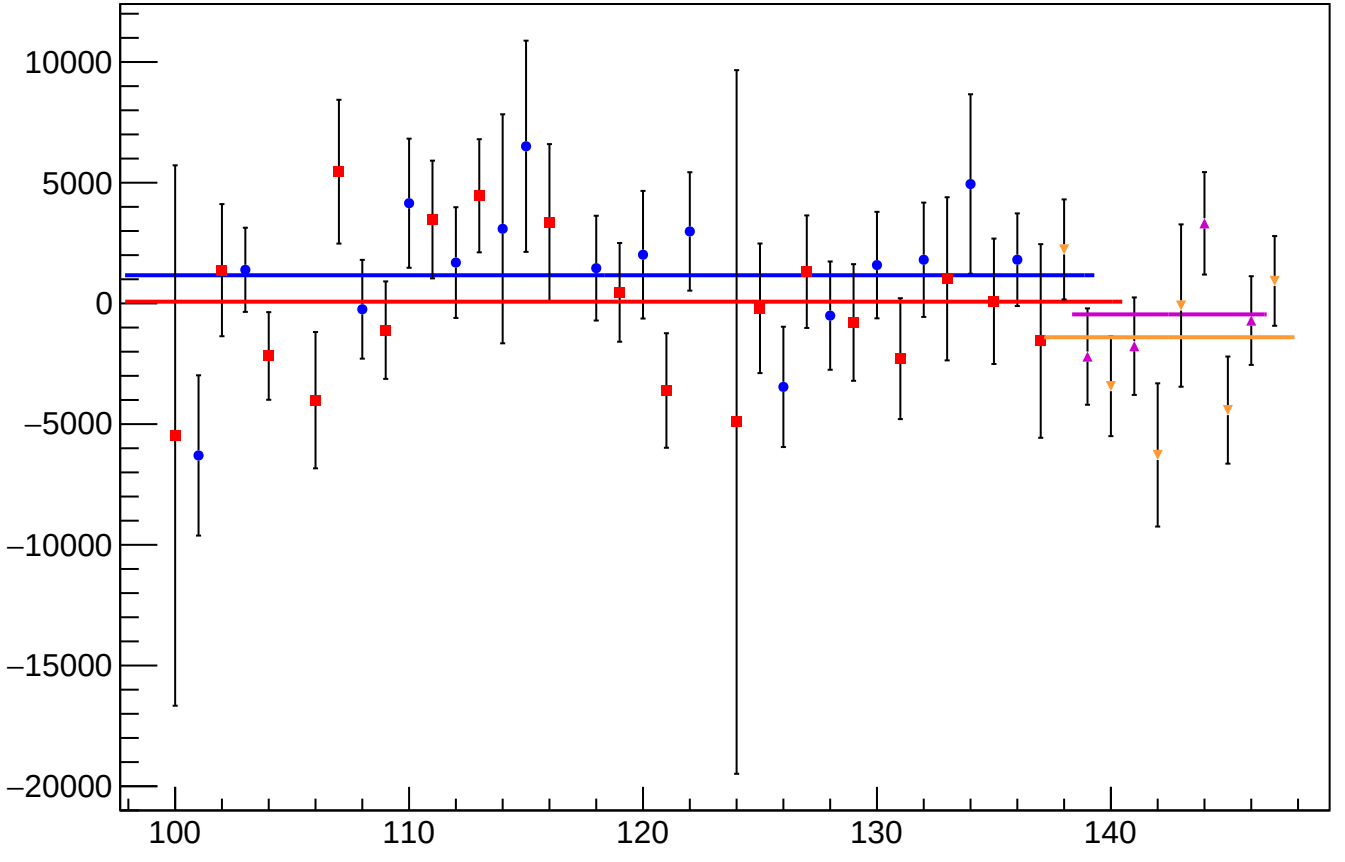
Left In: 0.000+/-0.000 χ^2/NDF:226329.9/3

\+ sign 0.000+/-0.000 χ^2/NDF: 5294054.1/21

All: 0.000+/-0.000 χ^2/NDF: 8371360.0/44

\- sign 0.000+/-0.000 χ^2/NDF: 2457603.4/22

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1400.403+/-928.124 χ^2/NDF:10.3/5

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

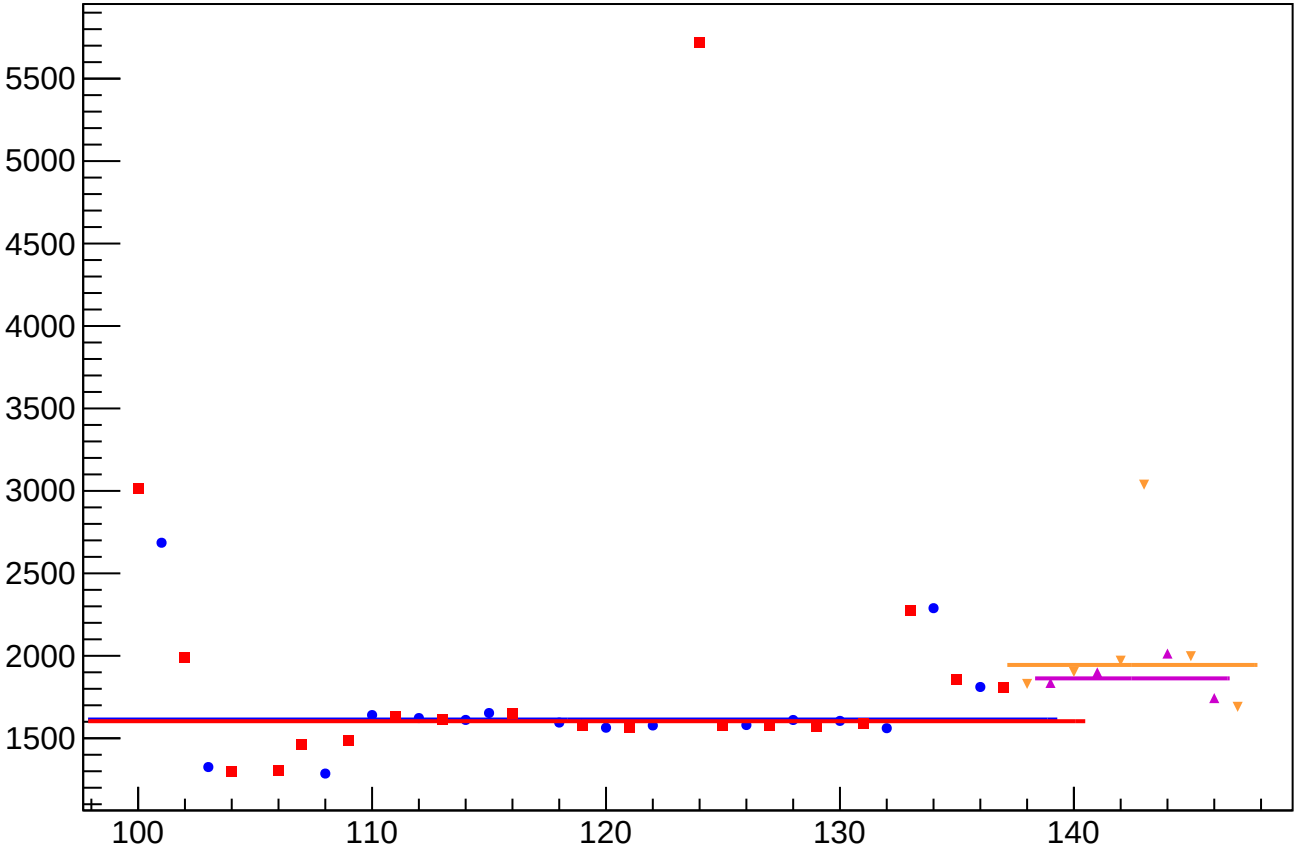
Left In: -454.557+/-992.669 χ^2/NDF:4.4/3

+ sign 393.895+/-509.274 χ^2/NDF: 30.1/21

All: 164.846+/-362.324 χ^2/NDF: 53.4/44

- sign -69.920+/-515.592 χ^2/NDF: 22.9/22

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

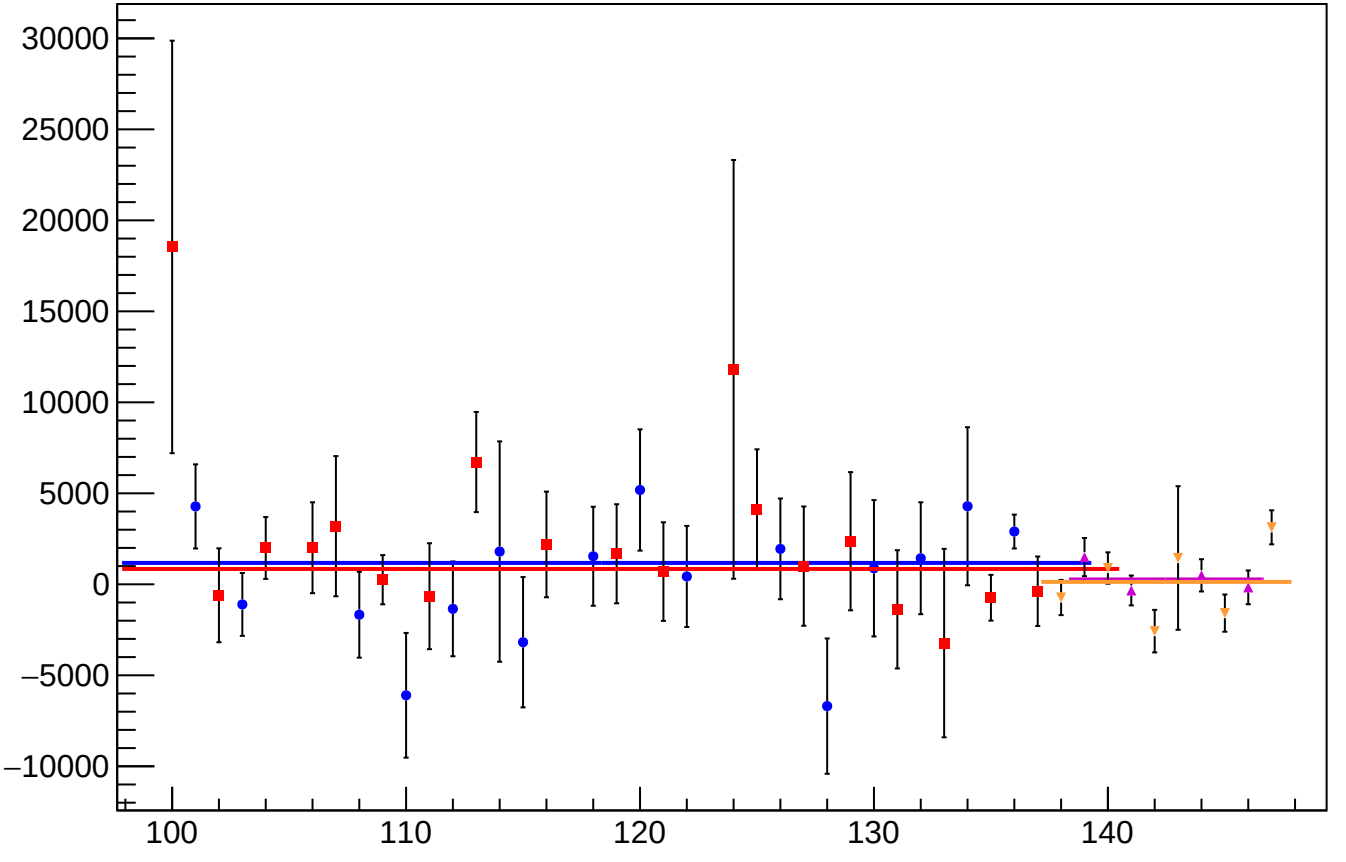
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1713.327+/-0.360 χ^2/NDF: 839515.9/21

All: 1693.673+/-0.256 χ^2/NDF: 1390867.9/44

- sign 1673.528+/-0.365 χ^2/NDF: 545319.9/22

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 132.370+/-433.703 χ^2/NDF:20.2/5

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

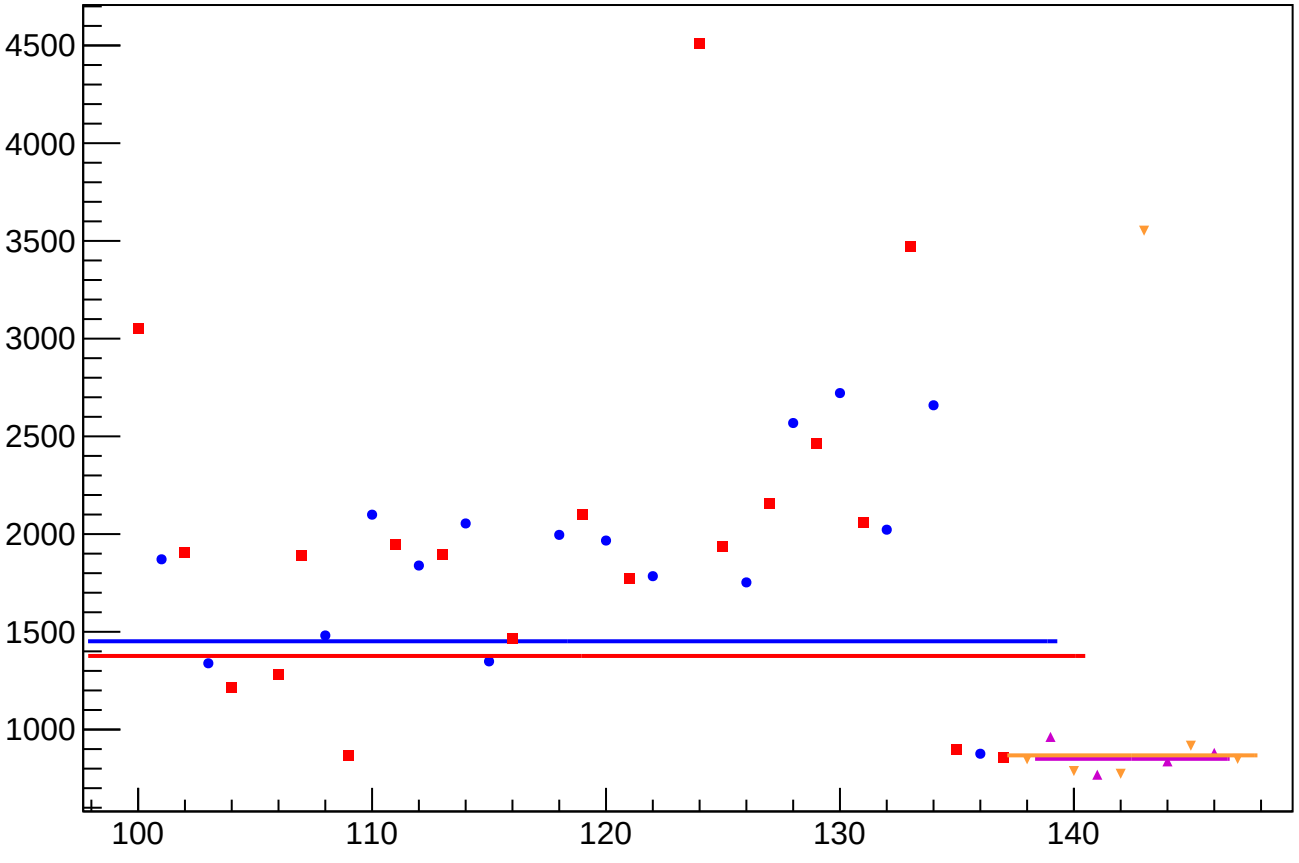
Left In: 266.878+/-455.296 χ^2/NDF:2.2/3

+ sign 507.232+/-347.133 χ^2/NDF: 44.2/21

All: 502.570+/-247.379 χ^2/NDF: 61.3/44

- sign 497.760+/-352.624 χ^2/NDF: 17.1/22

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 867.871+/-0.307 χ^2/NDF:962664.3/5

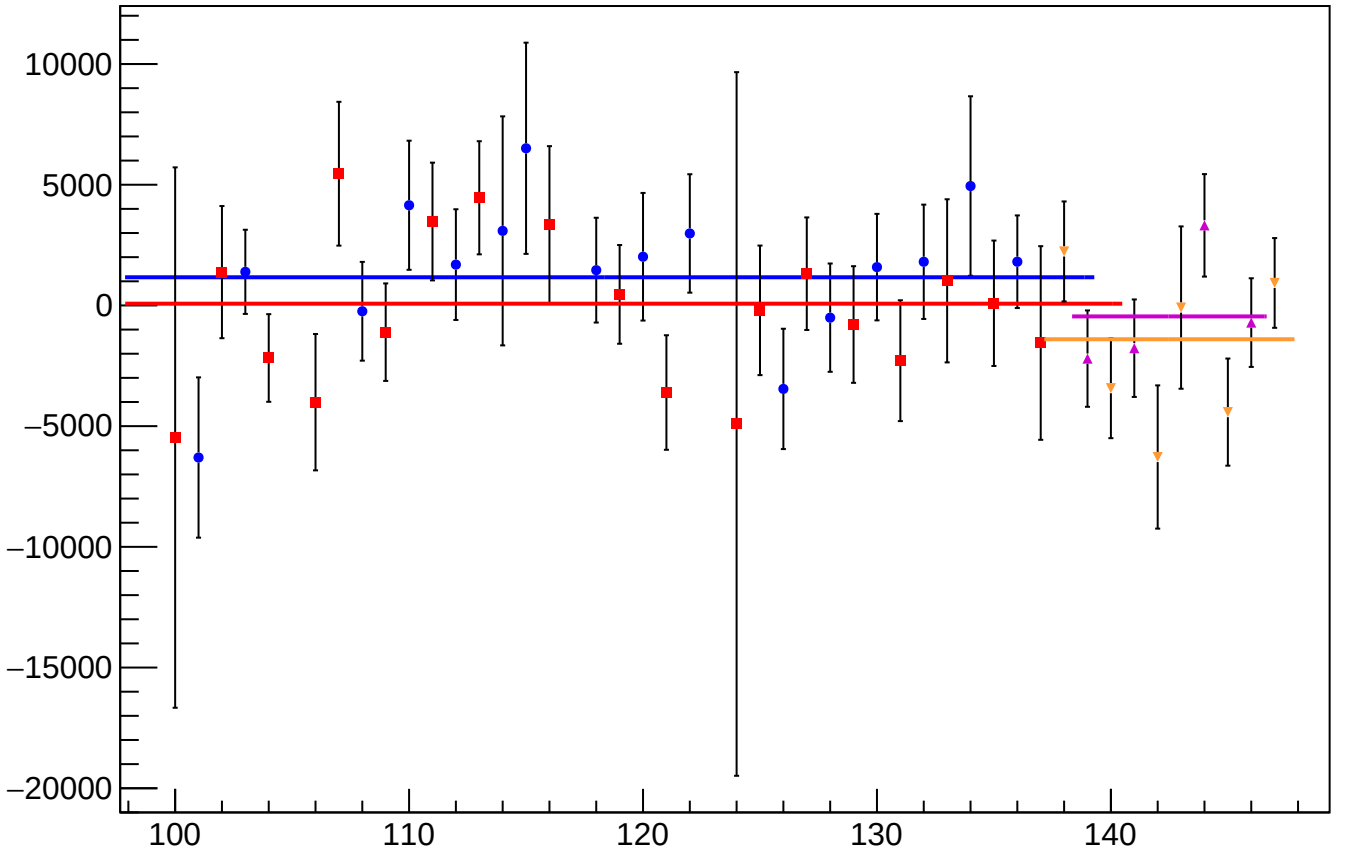
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 850.176+/-0.322 χ^2/NDF:44934.1/3

+ sign 1077.657+/-0.245 χ^2/NDF: 4055638.3/21

All: 1069.349+/-0.175 χ^2/NDF: 7304324.5/44

- sign 1060.777+/-0.249 χ^2/NDF: 3246358.7/22



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1400.595+/-928.124 χ^2/NDF:10.3/5

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

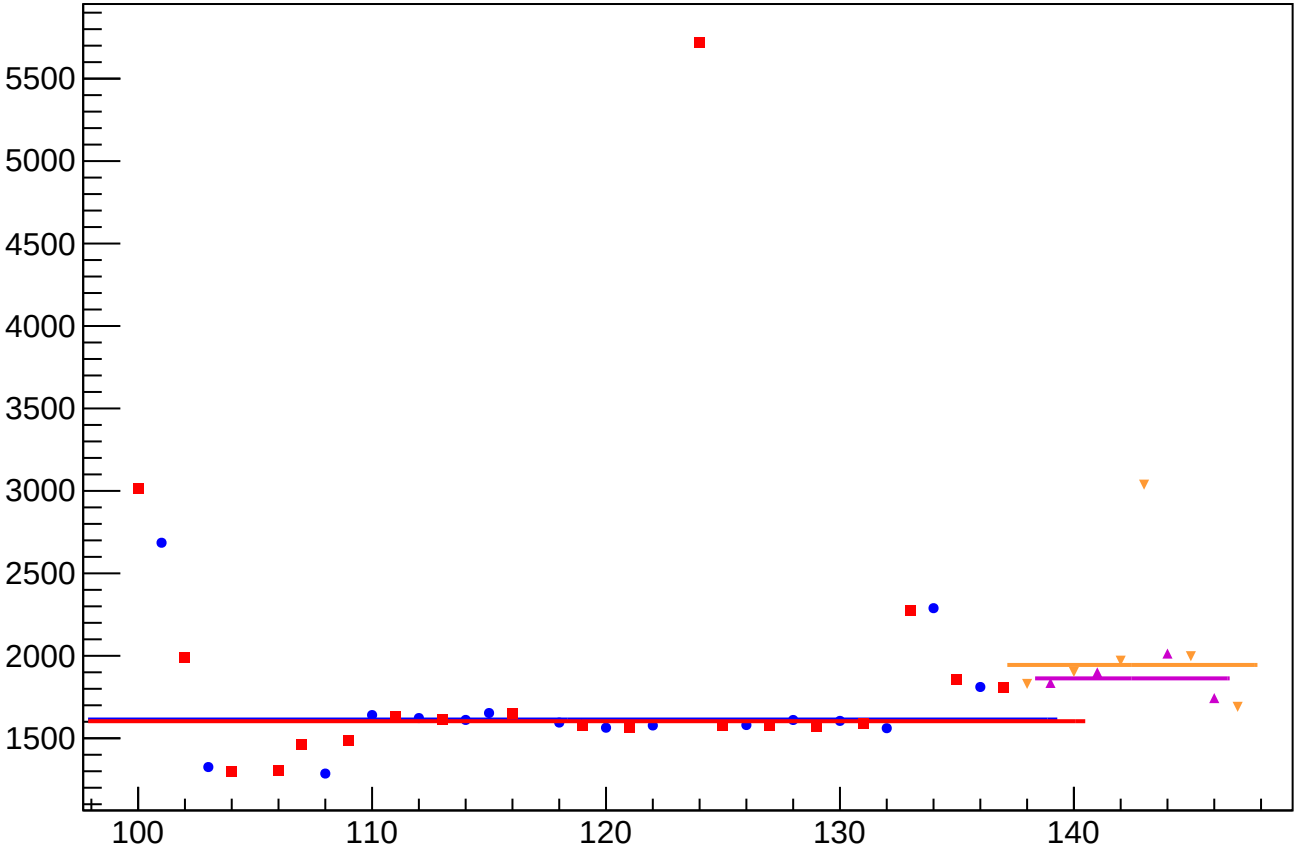
Left In: -454.694+/-992.669 χ^2/NDF:4.4/3

+ sign 393.772+/-509.274 χ^2/NDF: 30.1/21

All: 164.881+/-362.324 χ^2/NDF: 53.4/44

- sign -69.725+/-515.592 χ^2/NDF: 22.9/22

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

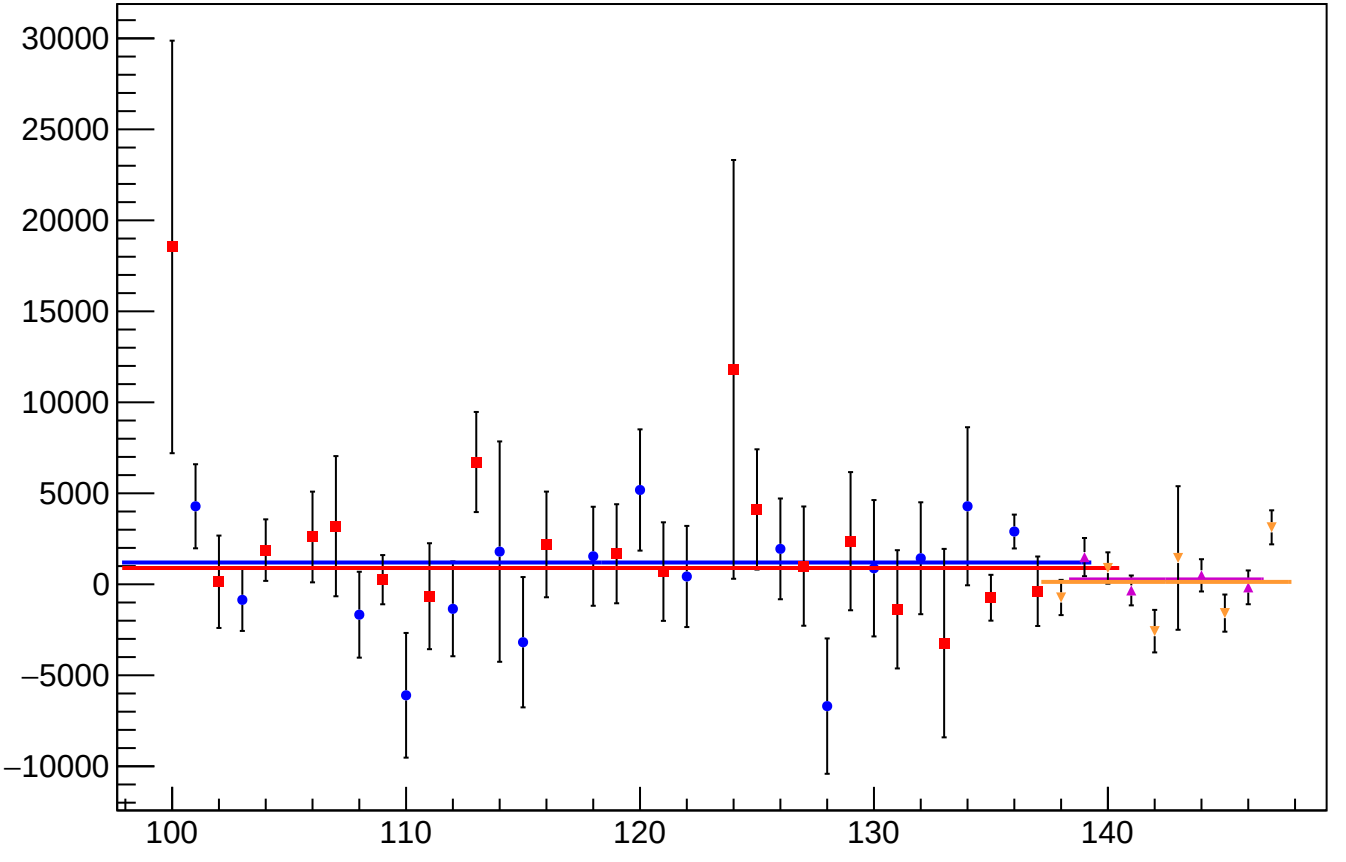
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1713.327+/-0.360 χ^2/NDF: 839516.3/21

All: 1693.673+/-0.256 χ^2/NDF: 1390868.4/44

- sign 1673.528+/-0.365 χ^2/NDF: 545320.0/22

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

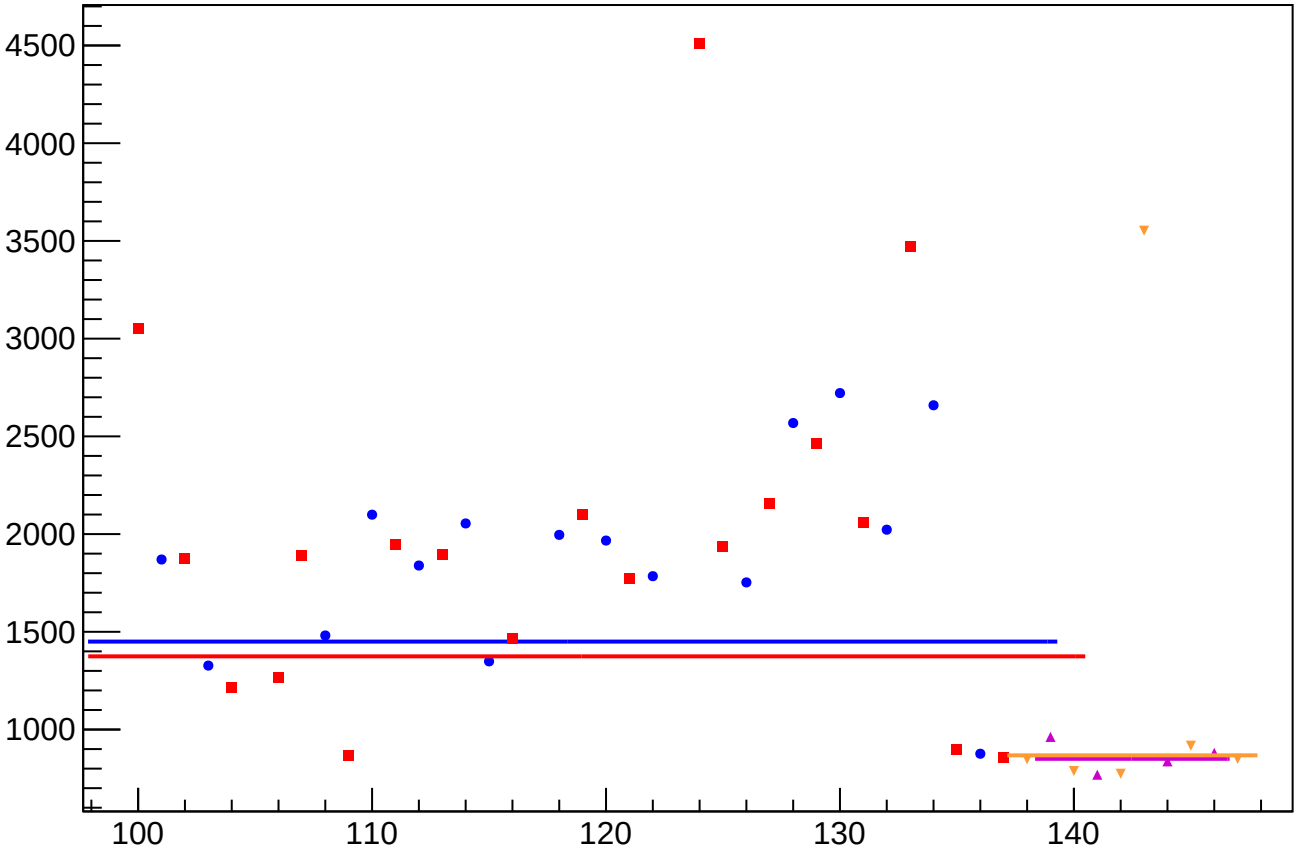
Left In: 266.968+/-455.292 χ^2/NDF:2.2/3

\+ sign 516.168+/-346.962 χ^2/NDF: 44.0/21

All: 517.503+/-247.248 χ^2/NDF: 61.2/44

\- sign 518.880+/-352.427 χ^2/NDF: 17.2/22

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

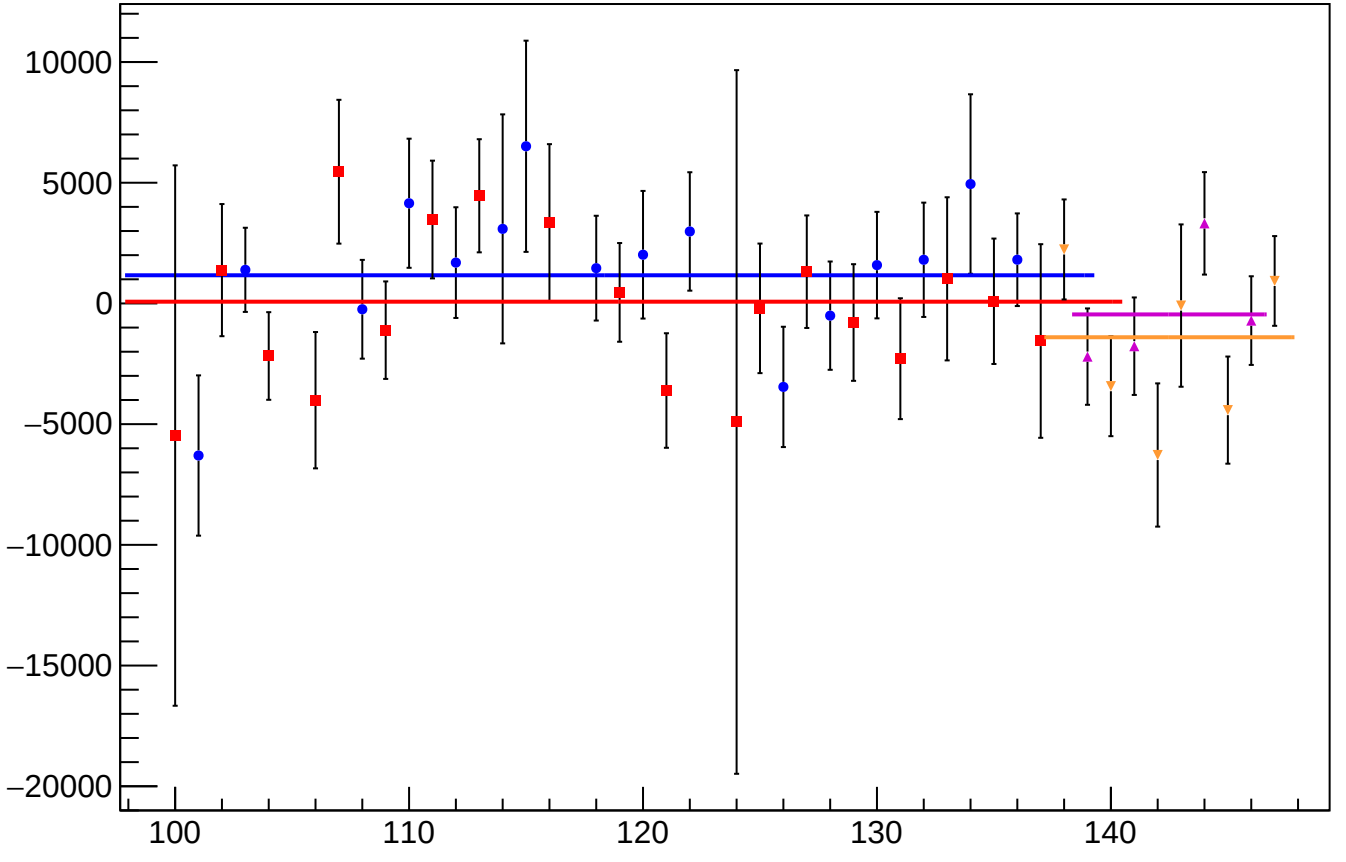
Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

+ sign 1077.452+/-0.245 χ^2/NDF: 4052121.9/21

All: 1069.012+/-0.175 χ^2/NDF: 7290114.3/44

- sign 1060.304+/-0.249 χ^2/NDF: 3235588.0/22

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1400.595+/-928.124 χ^2/NDF:10.3/5

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

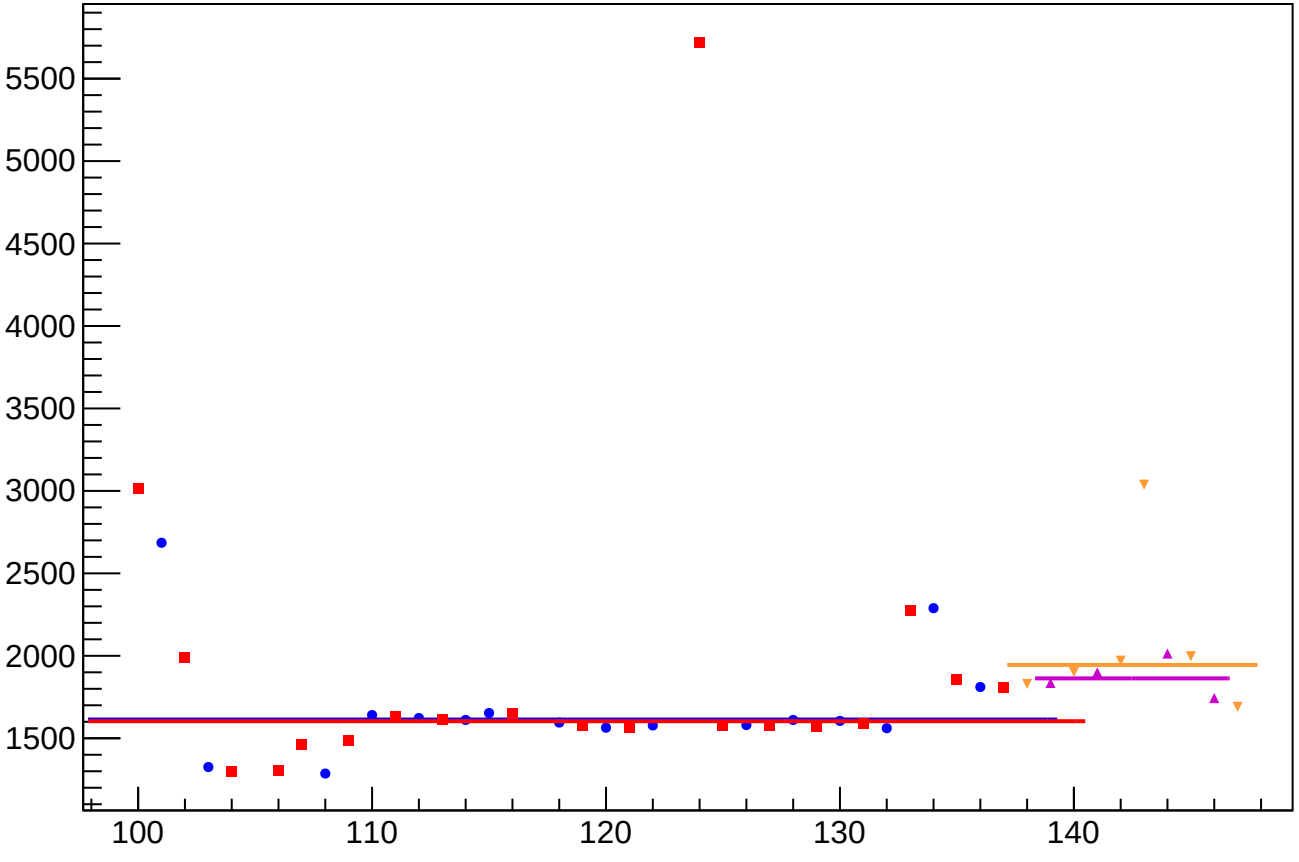
Left In: -454.694+/-992.669 χ^2/NDF:4.4/3

+ sign 393.772+/-509.274 χ^2/NDF: 30.1/21

All: 164.881+/-362.324 χ^2/NDF: 53.4/44

- sign -69.725+/-515.592 χ^2/NDF: 22.9/22

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

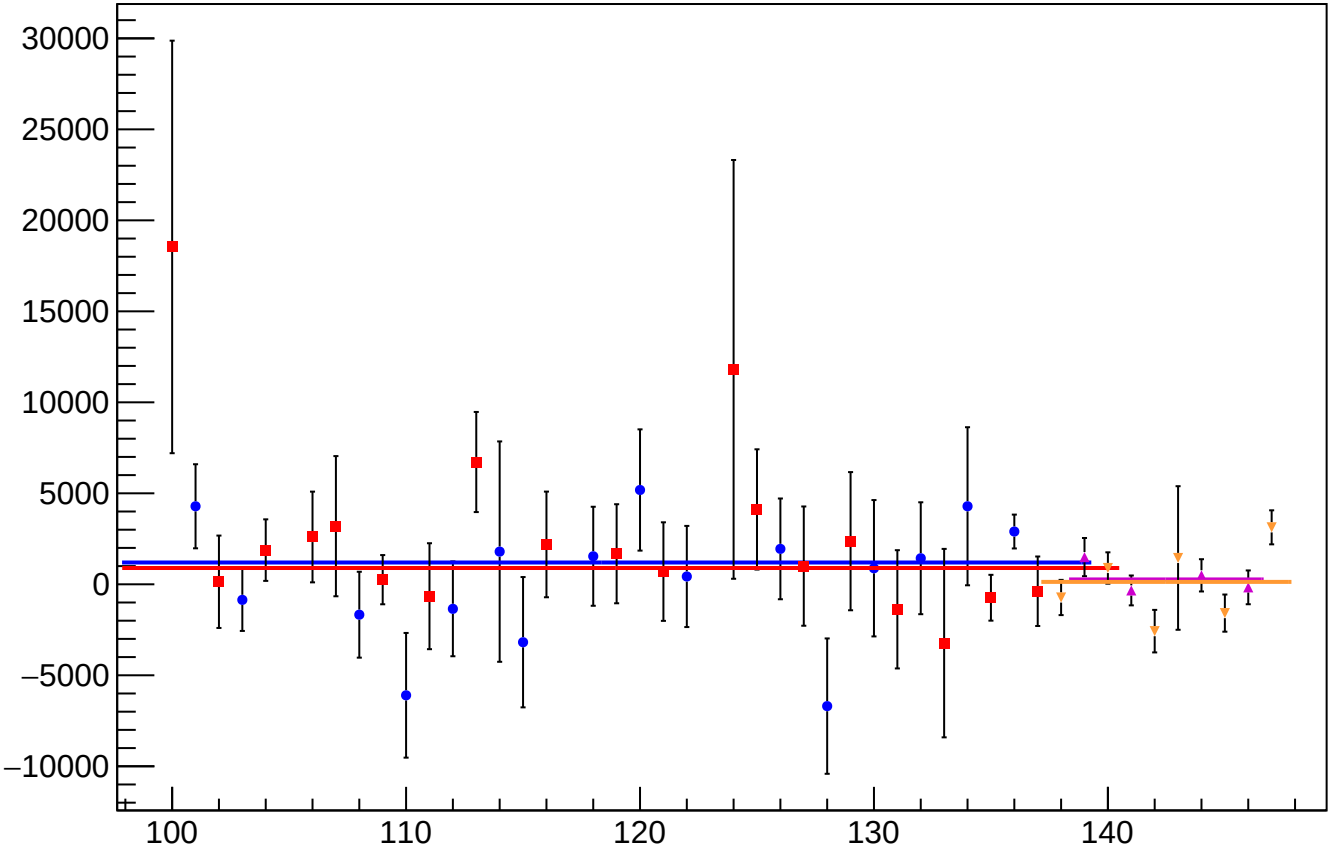
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1713.327+/-0.360 χ^2/NDF: 839516.3/21

All: 1693.673+/-0.256 χ^2/NDF: 1390868.4/44

- sign 1673.528+/-0.365 χ^2/NDF: 545320.0/22

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

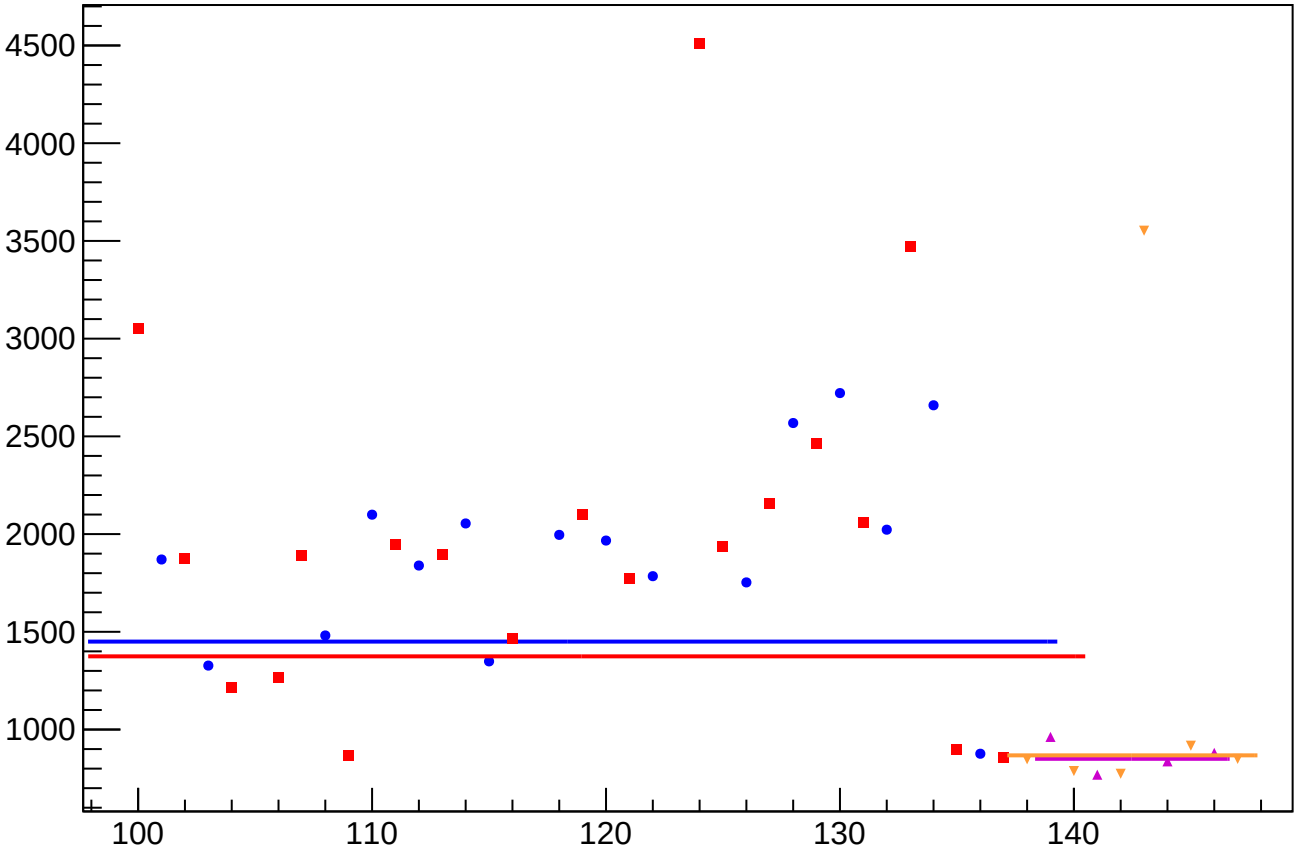
Left In: 266.968+/-455.292 χ^2/NDF:2.2/3

\+ sign 516.168+/-346.962 χ^2/NDF: 44.0/21

All: 517.503+/-247.248 χ^2/NDF: 61.2/44

\- sign 518.880+/-352.427 χ^2/NDF: 17.2/22

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

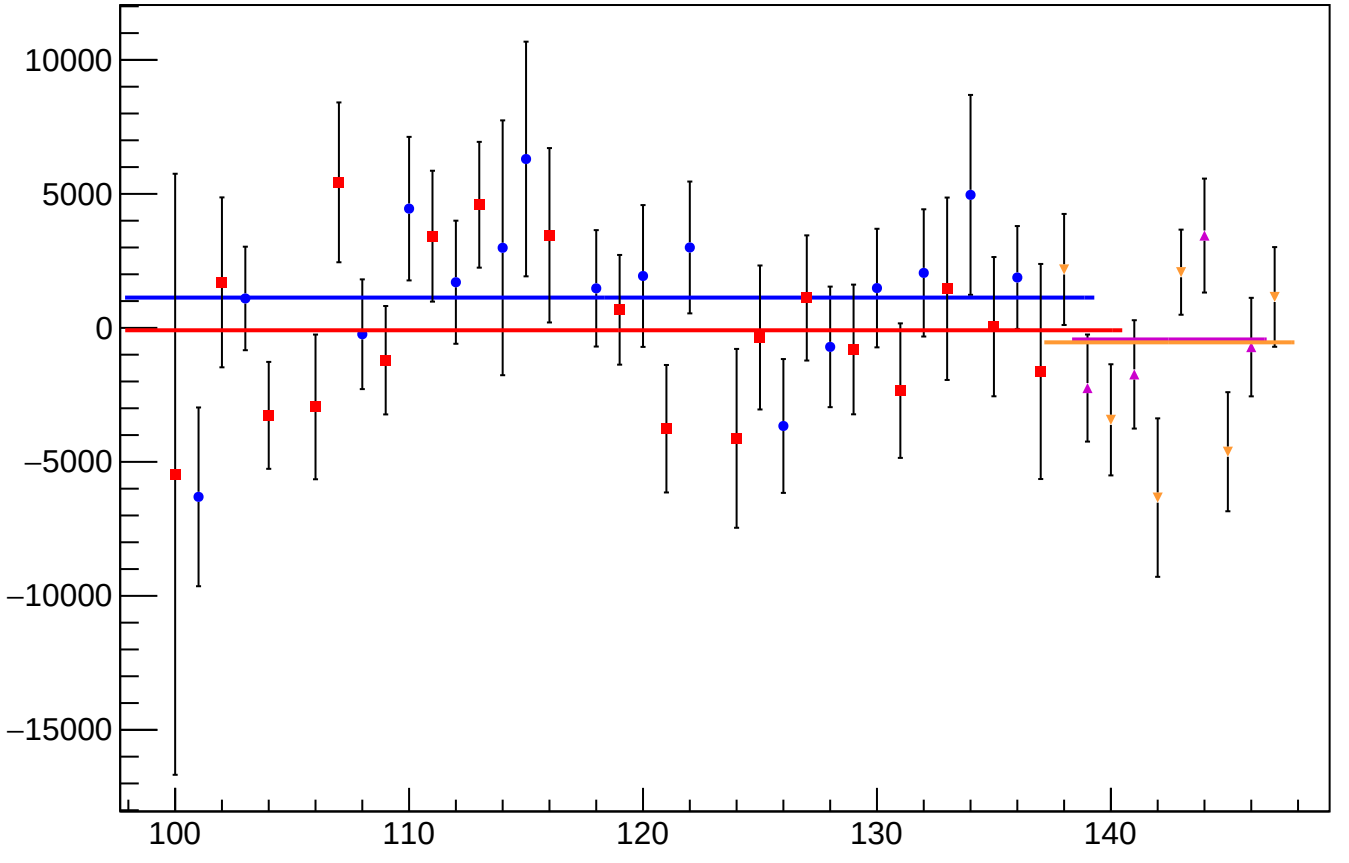
Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

+ sign 1077.452+/-0.245 χ^2/NDF: 4052121.9/21

All: 1069.012+/-0.175 χ^2/NDF: 7290114.3/44

- sign 1060.304+/-0.249 χ^2/NDF: 3235588.0/22

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.769+/-825.368 χ^2/NDF:14.4/5

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

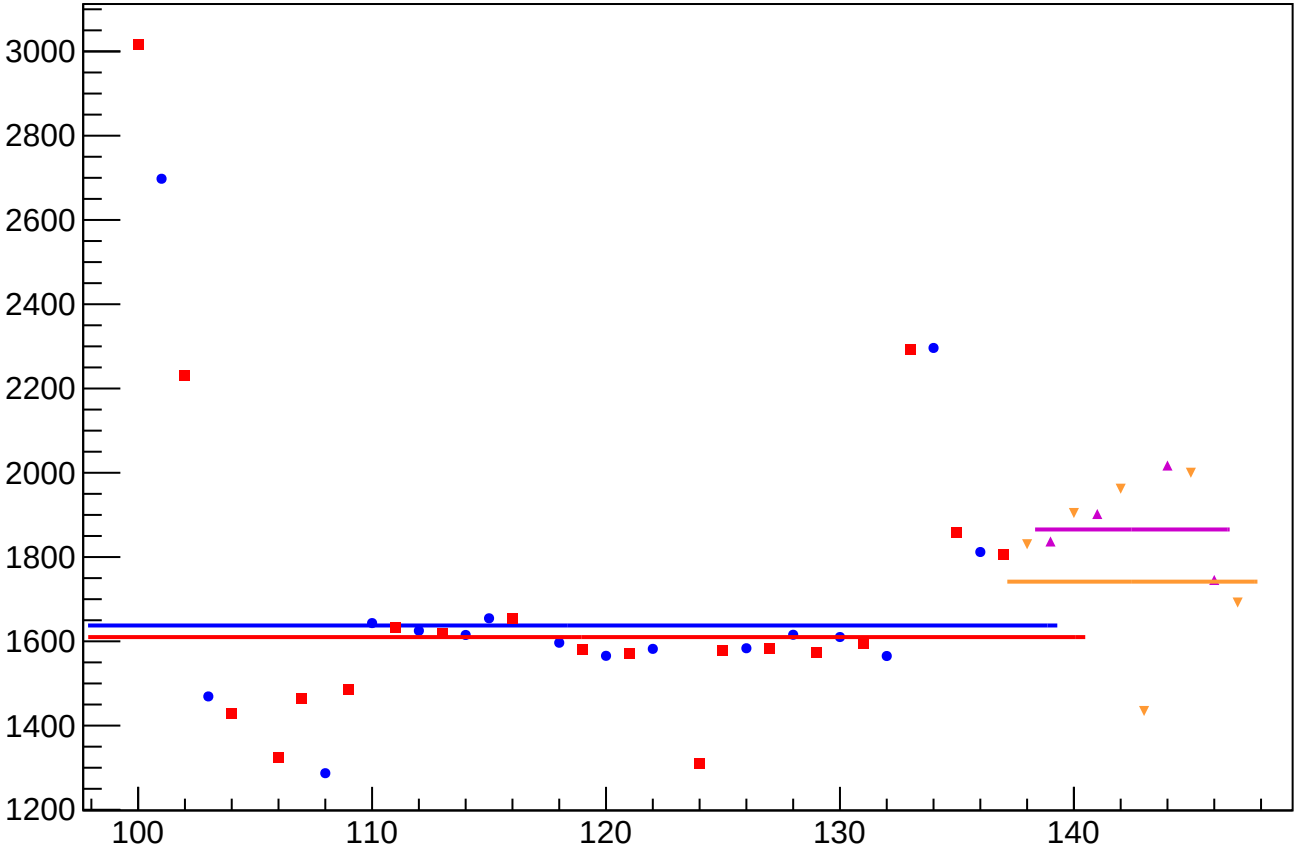
Left In: -431.940+/-993.901 χ^2/NDF:4.6/3

+ sign 531.576+/-494.303 χ^2/NDF: 32.0/21

All: 190.083+/-356.811 χ^2/NDF: 58.4/44

- sign -181.445+/-515.583 χ^2/NDF: 25.4/22

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1741.624+/-0.584 χ^2/NDF:130372.7/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

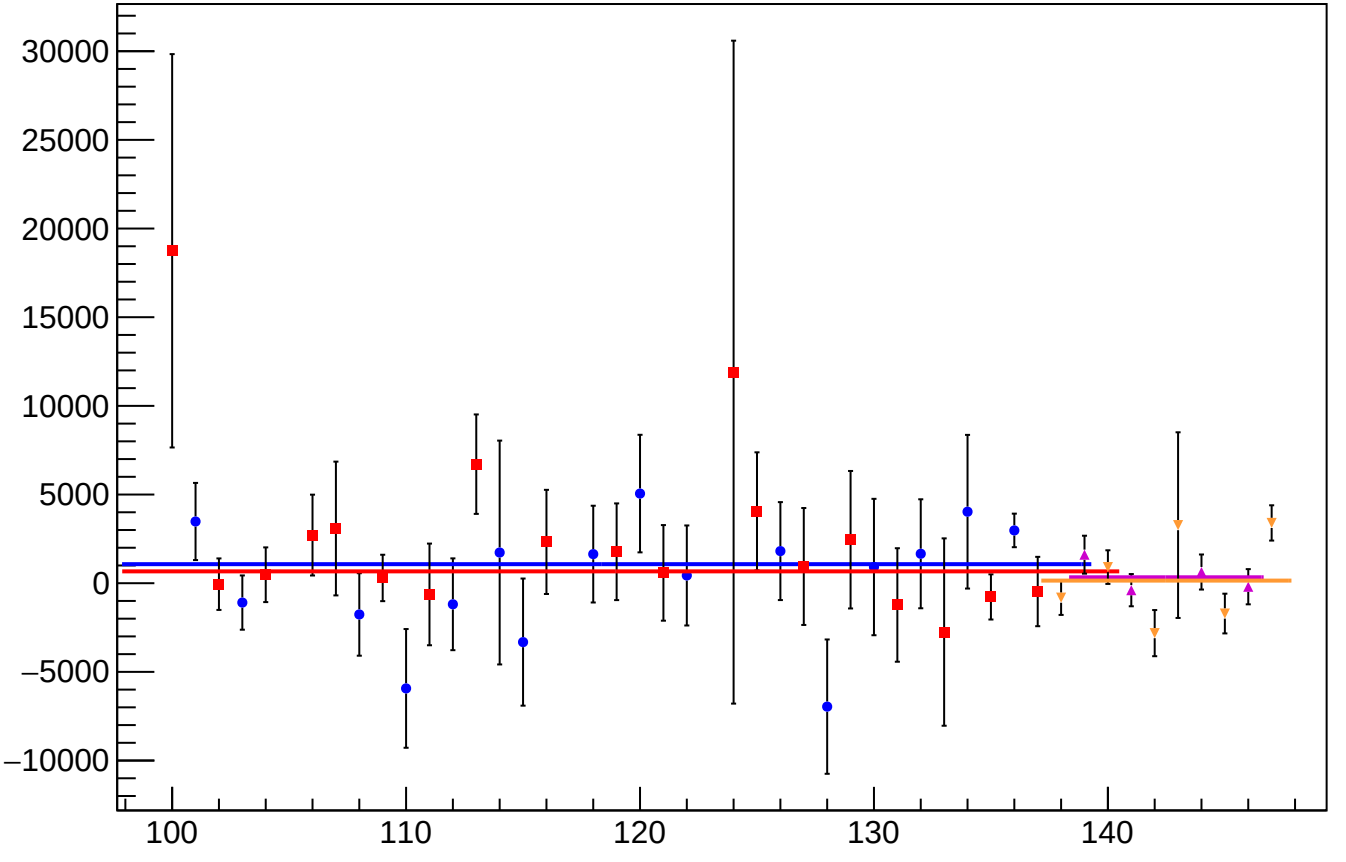
Left In: 1865.441+/-0.703 χ^2/NDF:19753.7/3

\+ sign 1674.893+/-0.350 χ^2/NDF: 512174.4/21

All: 1676.750+/-0.252 χ^2/NDF: 909323.6/44

\- sign 1678.770+/-0.365 χ^2/NDF: 397090.3/22

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 147.076+/-466.154 χ^2/NDF:20.6/5

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

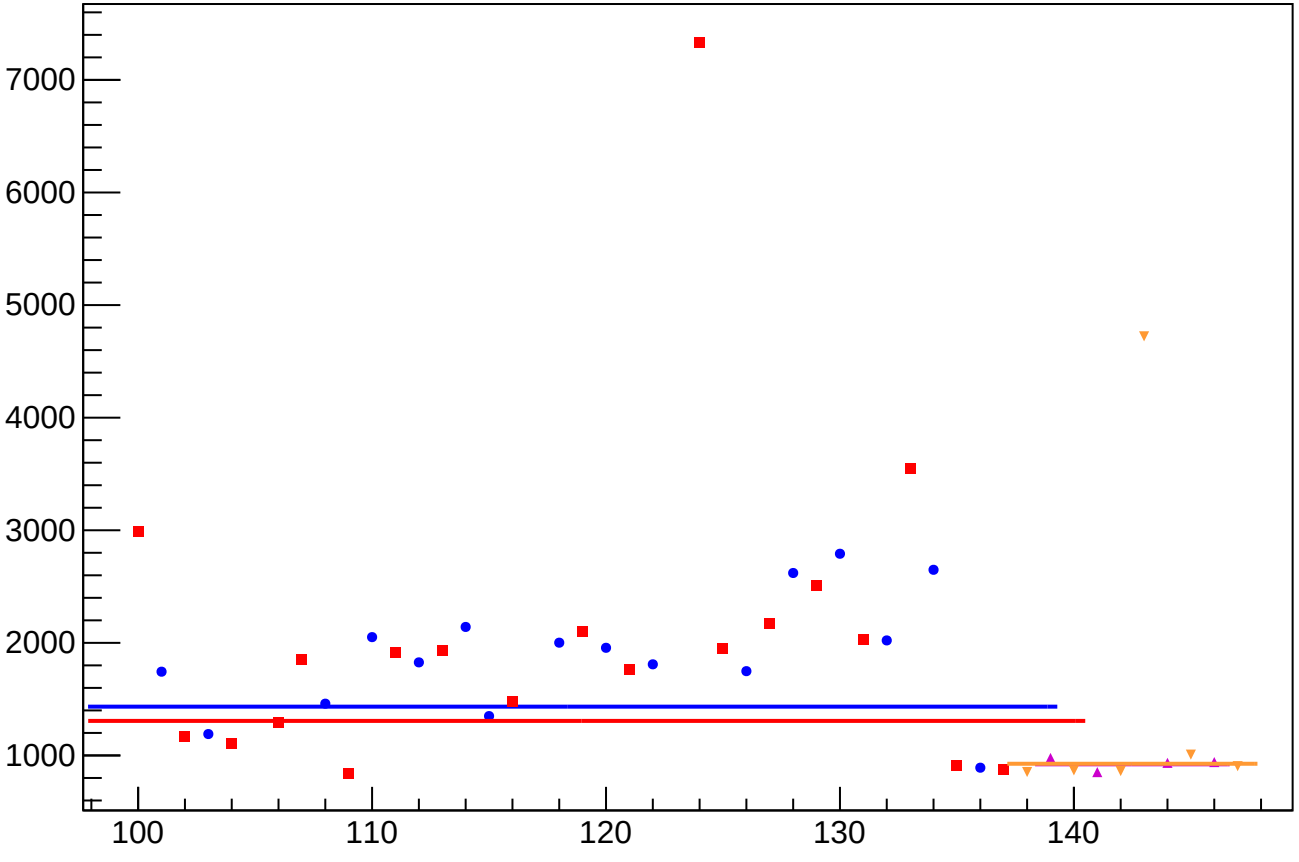
Left In: 333.588+/-492.489 χ^2/NDF:2.4/3

+ sign 517.149+/-361.256 χ^2/NDF: 44.2/21

All: 503.730+/-254.537 χ^2/NDF: 60.4/44

- sign 490.499+/-358.697 χ^2/NDF: 16.2/22

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 926.244+/-0.330 χ^2/NDF:1087190.3/5

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

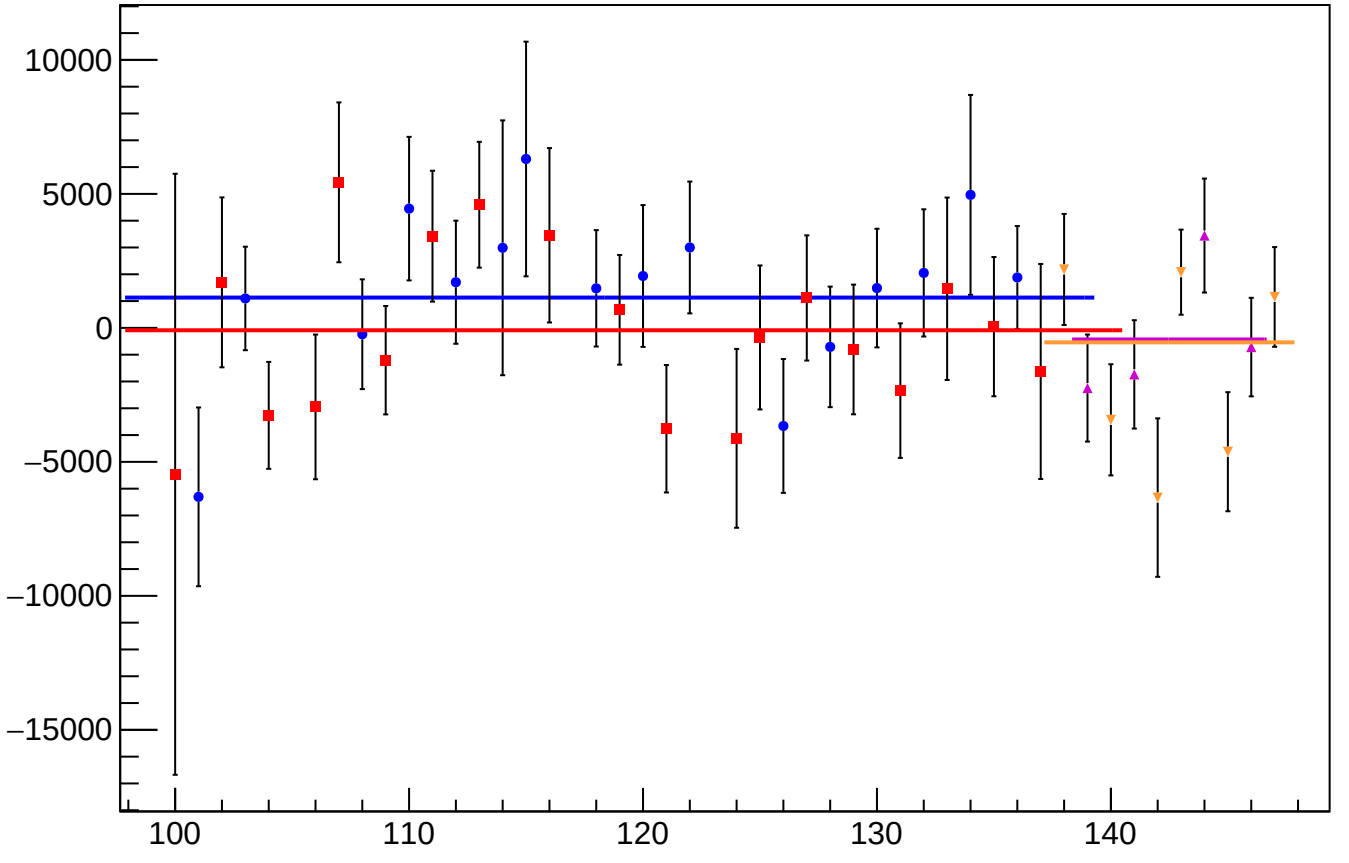
Left In: 921.125+/-0.348 χ^2/NDF:18349.8/3

+ sign 1128.844+/-0.255 χ^2/NDF: 3796519.9/21

All: 1115.448+/-0.180 χ^2/NDF: 6580327.0/44

- sign 1102.241+/-0.254 χ^2/NDF: 2778345.9/22

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.782+/-825.369 χ^2/NDF:14.4/5

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

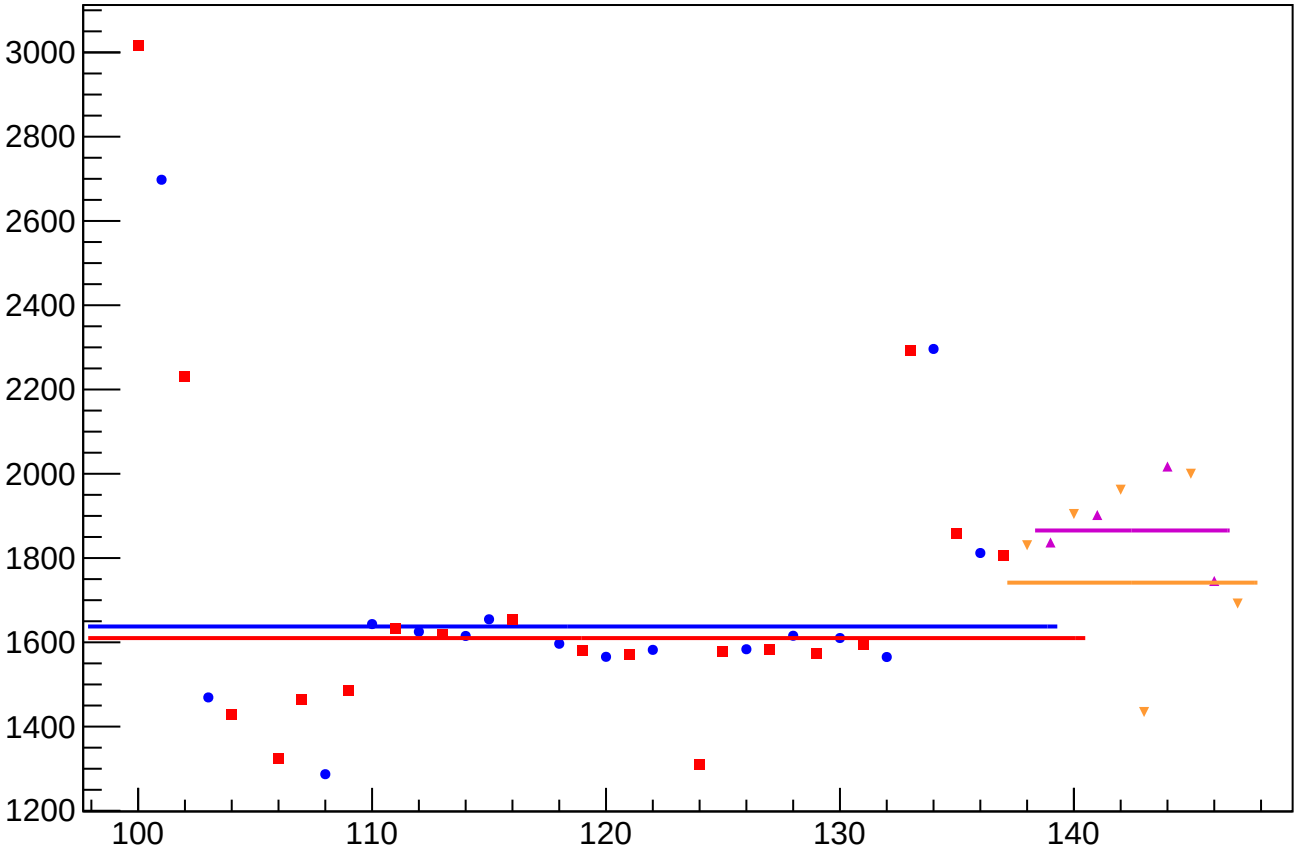
Left In: -431.928+/-993.901 χ^2/NDF:4.6/3

+ sign 531.572+/-494.303 χ^2/NDF: 32.0/21

All: 190.081+/-356.811 χ^2/NDF: 58.4/44

- sign -181.446+/-515.583 χ^2/NDF: 25.4/22

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1741.625+/-0.584 χ^2/NDF:130371.5/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

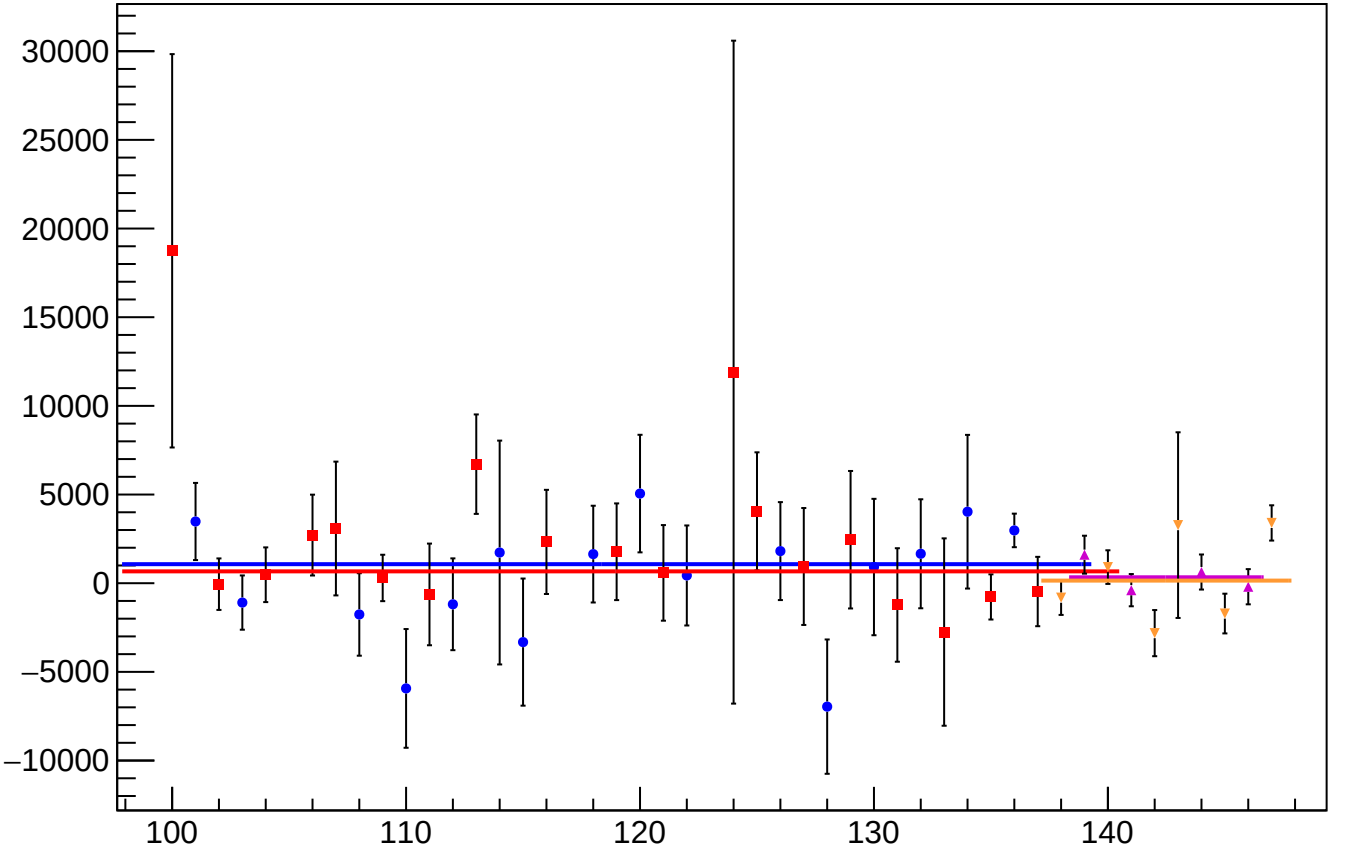
Left In: 1865.441+/-0.703 χ^2/NDF:19753.8/3

+ sign 1674.893+/-0.350 χ^2/NDF: 512173.4/21

All: 1676.750+/-0.252 χ^2/NDF: 909322.9/44

- sign 1678.770+/-0.365 χ^2/NDF: 397090.7/22

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 147.088+/-466.158 χ^2/NDF:20.6/5

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

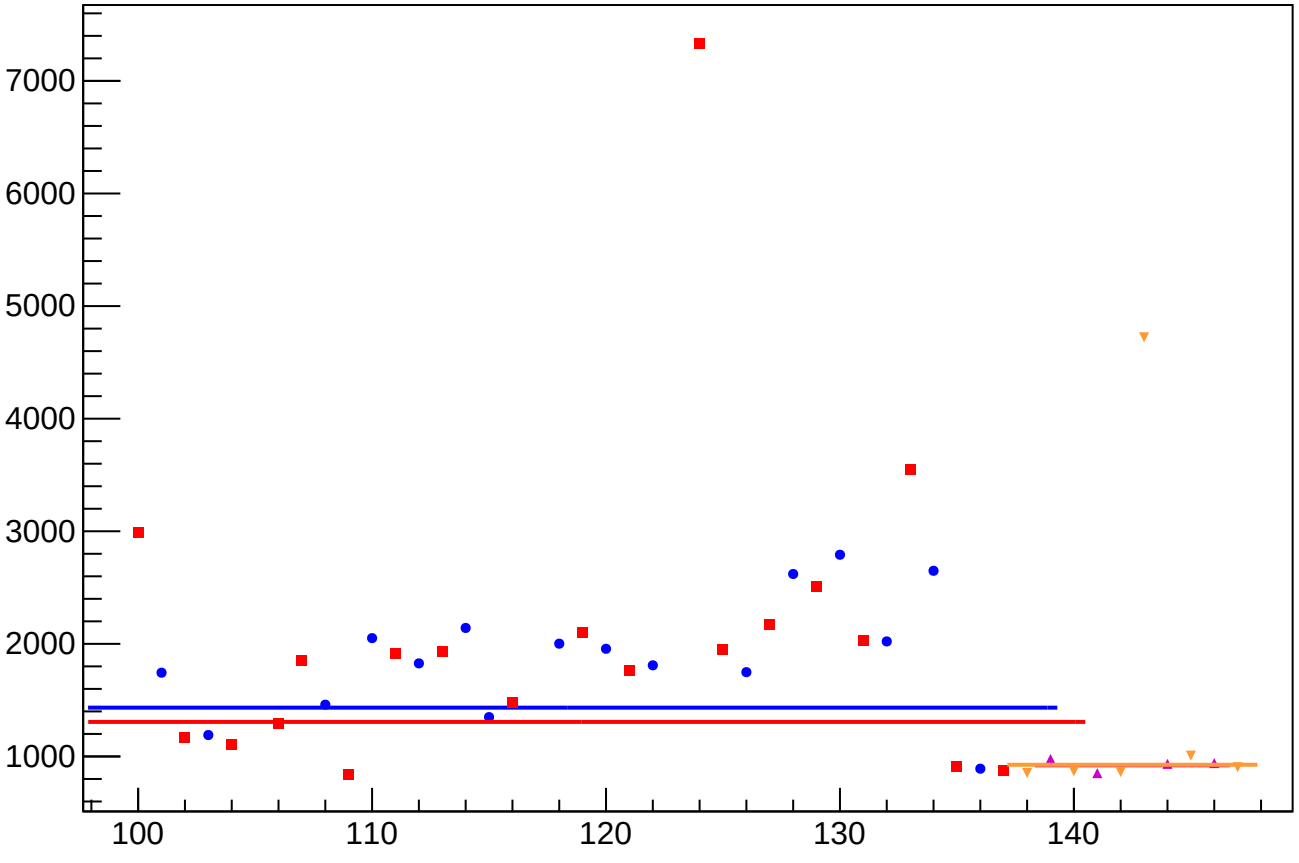
Left In: 333.586+/-492.491 χ^2/NDF:2.4/3

+ sign 517.153+/-361.259 χ^2/NDF: 44.2/21

All: 503.733+/-254.539 χ^2/NDF: 60.4/44

- sign 490.503+/-358.699 χ^2/NDF: 16.2/22

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 926.253+/-0.330 χ^2/NDF:1087179.1/5

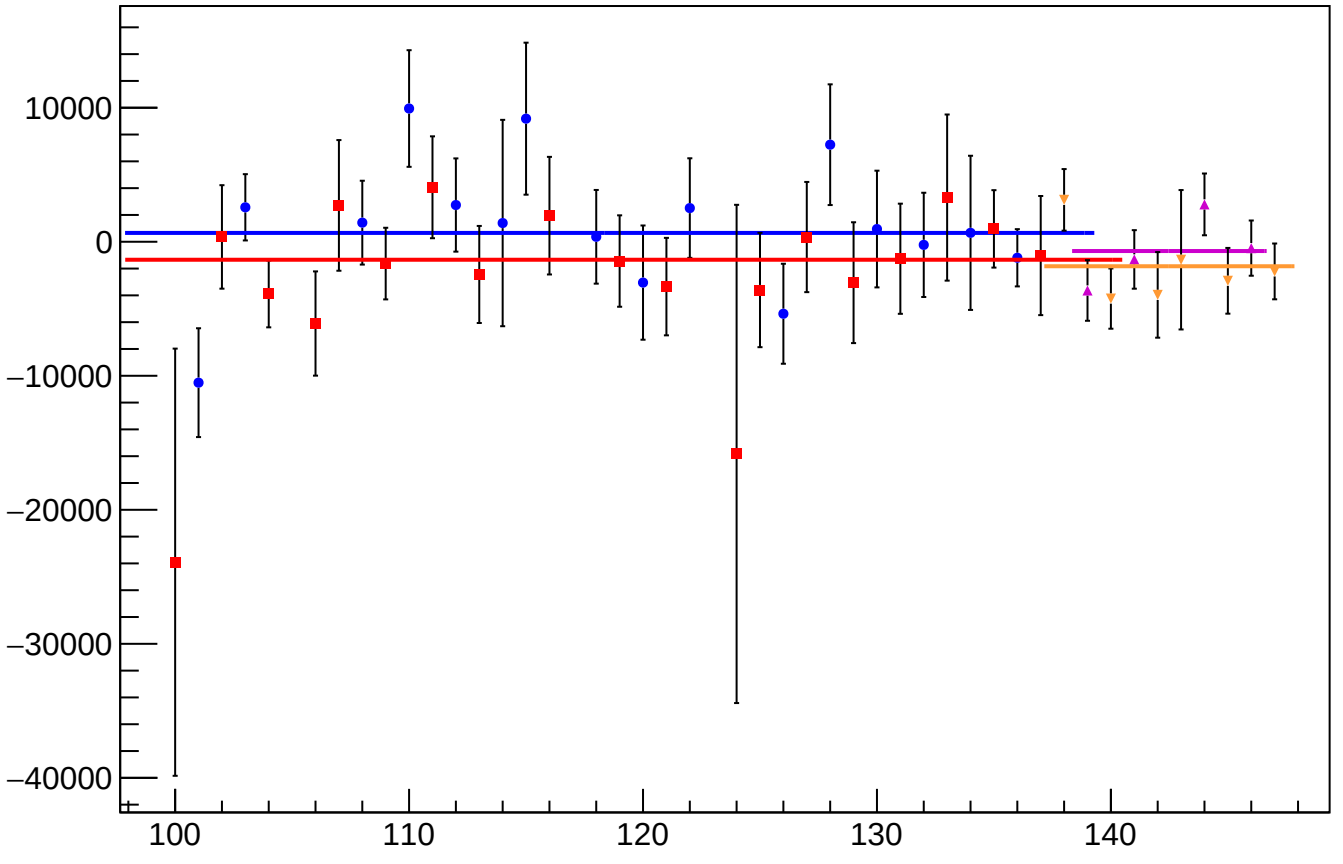
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 921.128+/-0.348 χ^2/NDF:18351.0/3

+ sign 1128.856+/-0.255 χ^2/NDF: 3796424.0/21

All: 1115.457+/-0.180 χ^2/NDF: 6580186.0/44

- sign 1102.248+/-0.254 χ^2/NDF: 2778298.9/22



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1827.358+/-1042.977 χ^2/NDF:6.5/5

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

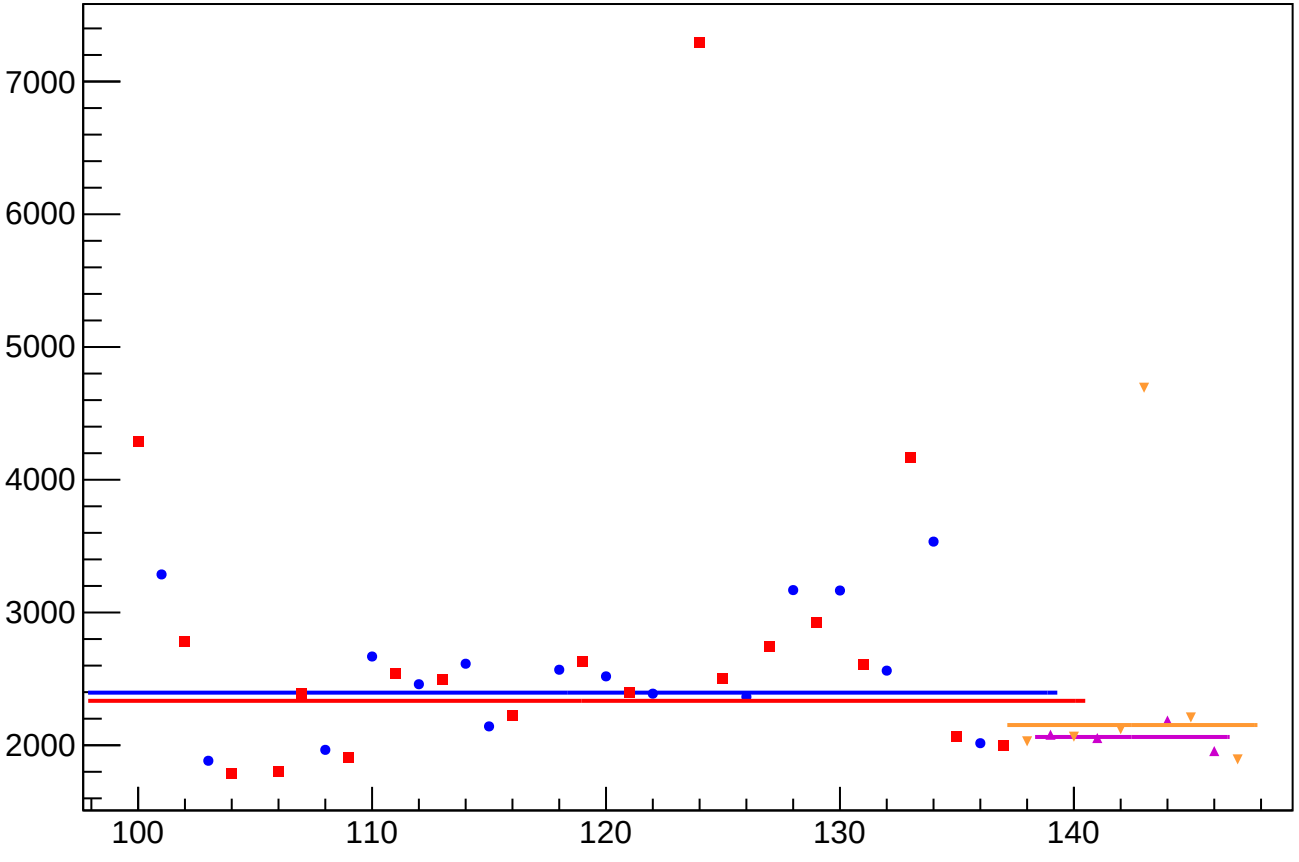
Left In: -692.223+/-1098.247 χ^2/NDF:4.1/3

+ sign -414.829+/-685.509 χ^2/NDF: 31.7/21

All: -746.506+/-486.912 χ^2/NDF: 47.3/44

- sign -1084.227+/-691.727 χ^2/NDF: 15.1/22

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2152.229+/-0.737 χ^2/NDF:518332.9/5

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

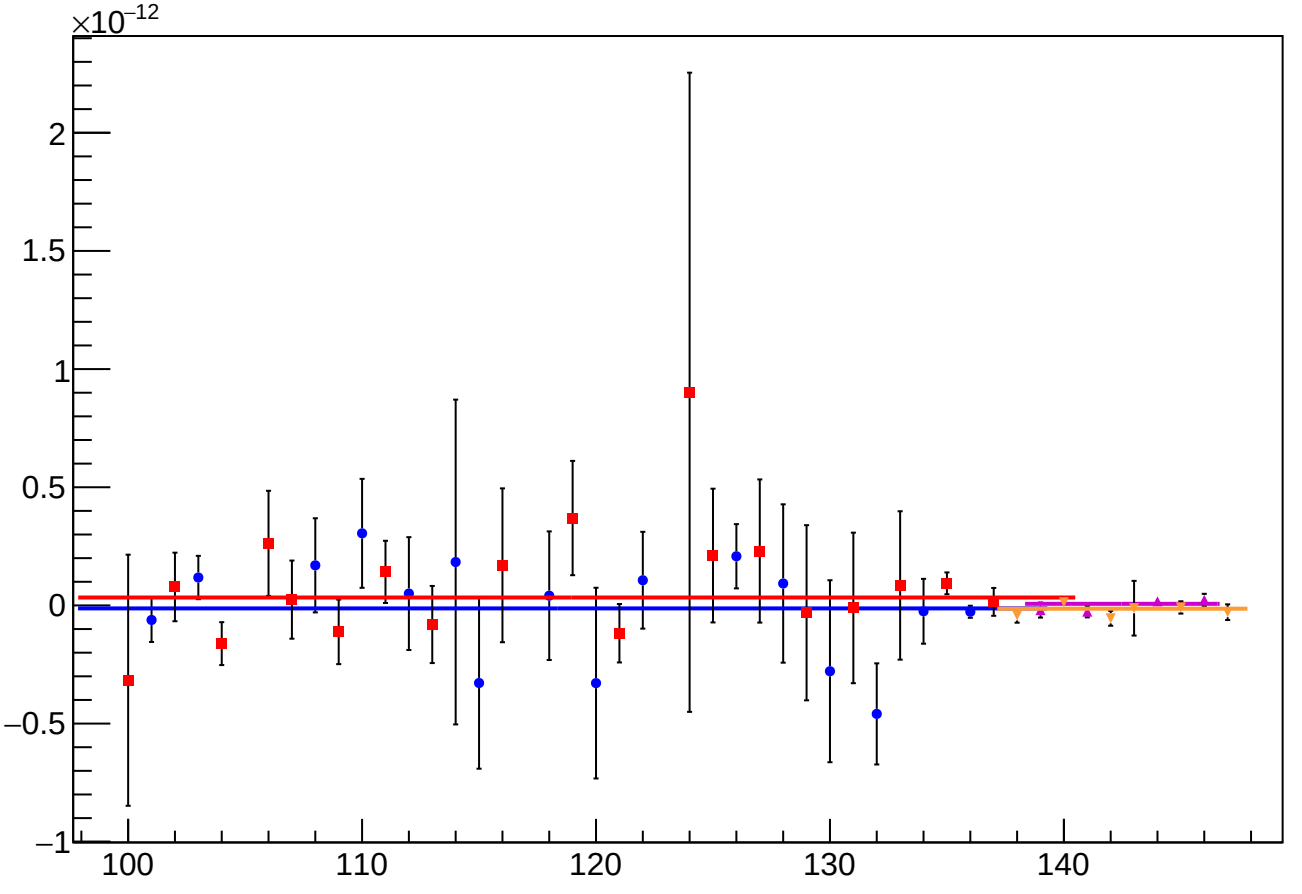
Left In: 2062.347+/-0.777 χ^2/NDF:11226.8/3

+ sign 2290.849+/-0.485 χ^2/NDF: 1088428.9/21

All: 2259.011+/-0.344 χ^2/NDF: 1864076.7/44

- sign 2226.592+/-0.489 χ^2/NDF: 766940.5/22

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:4.8/5

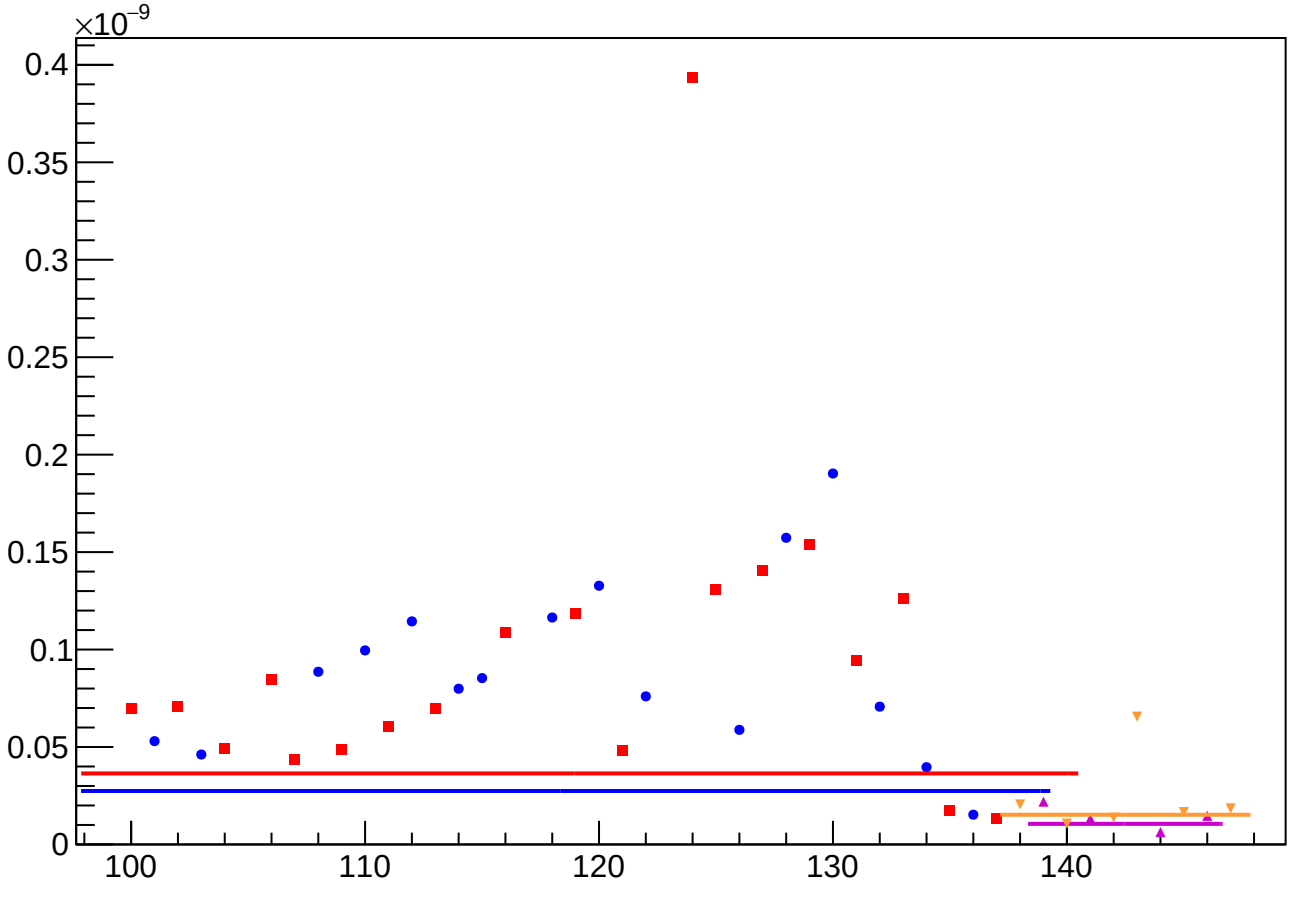
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/21

All: -0.000+/-0.000 χ^2/NDF: 41.9/44

- sign 0.000+/-0.000 χ^2/NDF: 19.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:582393.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

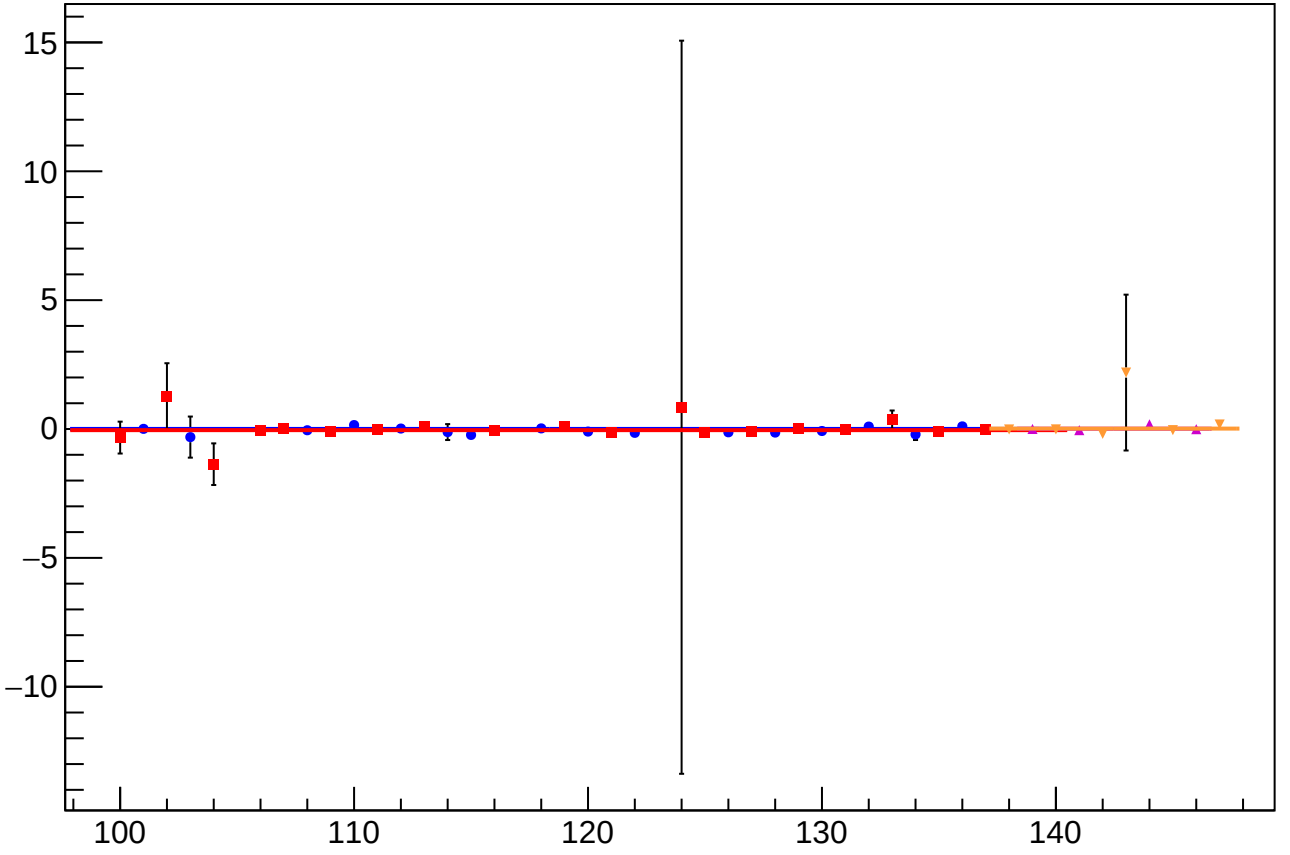
Left In: 0.000+/-0.000 χ^2/NDF:517296.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3782787.5/21

All: 0.000+/-0.000 χ^2/NDF: 8428607.6/44

- sign 0.000+/-0.000 χ^2/NDF: 4465071.2/22

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

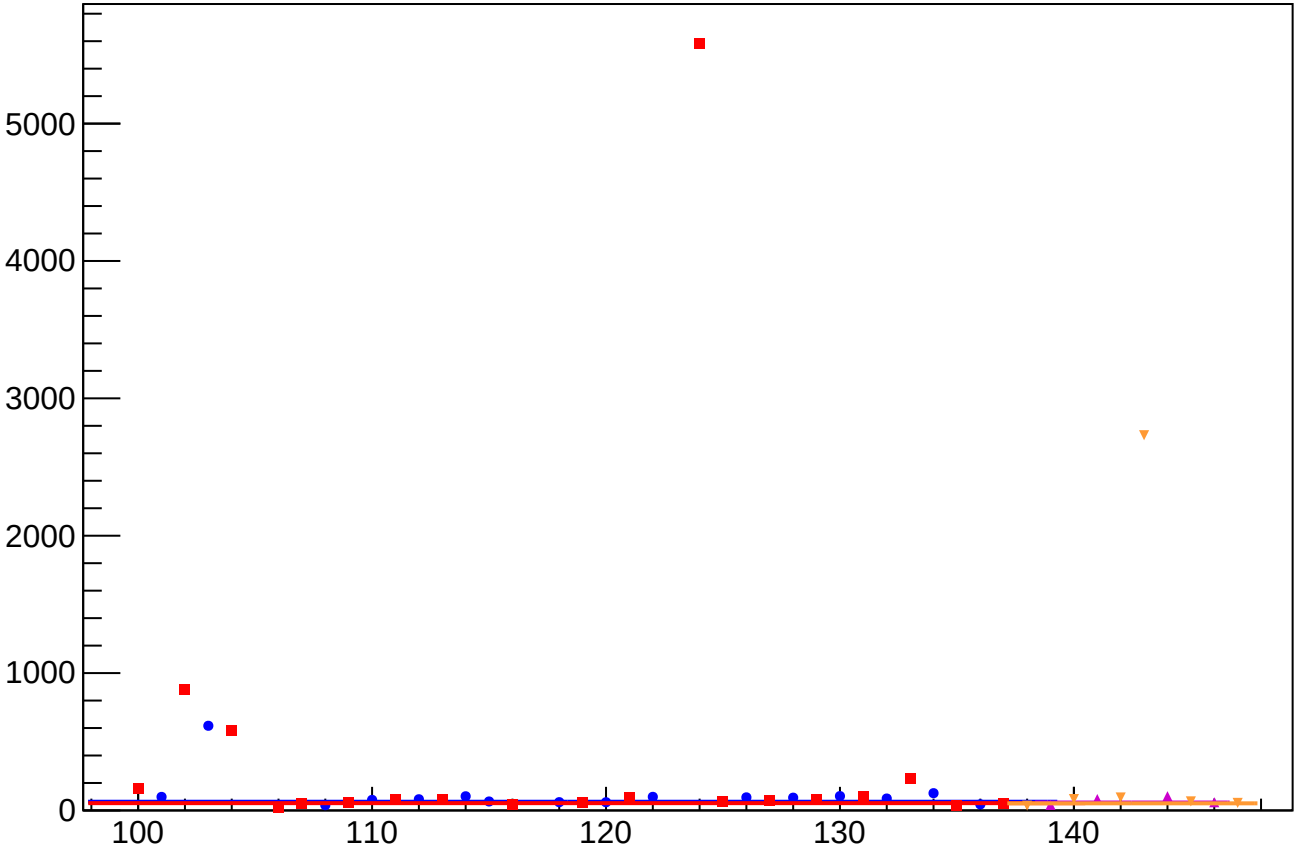
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.008+/-0.014 χ^2/NDF: 41.8/44

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 51.847+/-0.022 χ^2/NDF:2319571.0/5

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

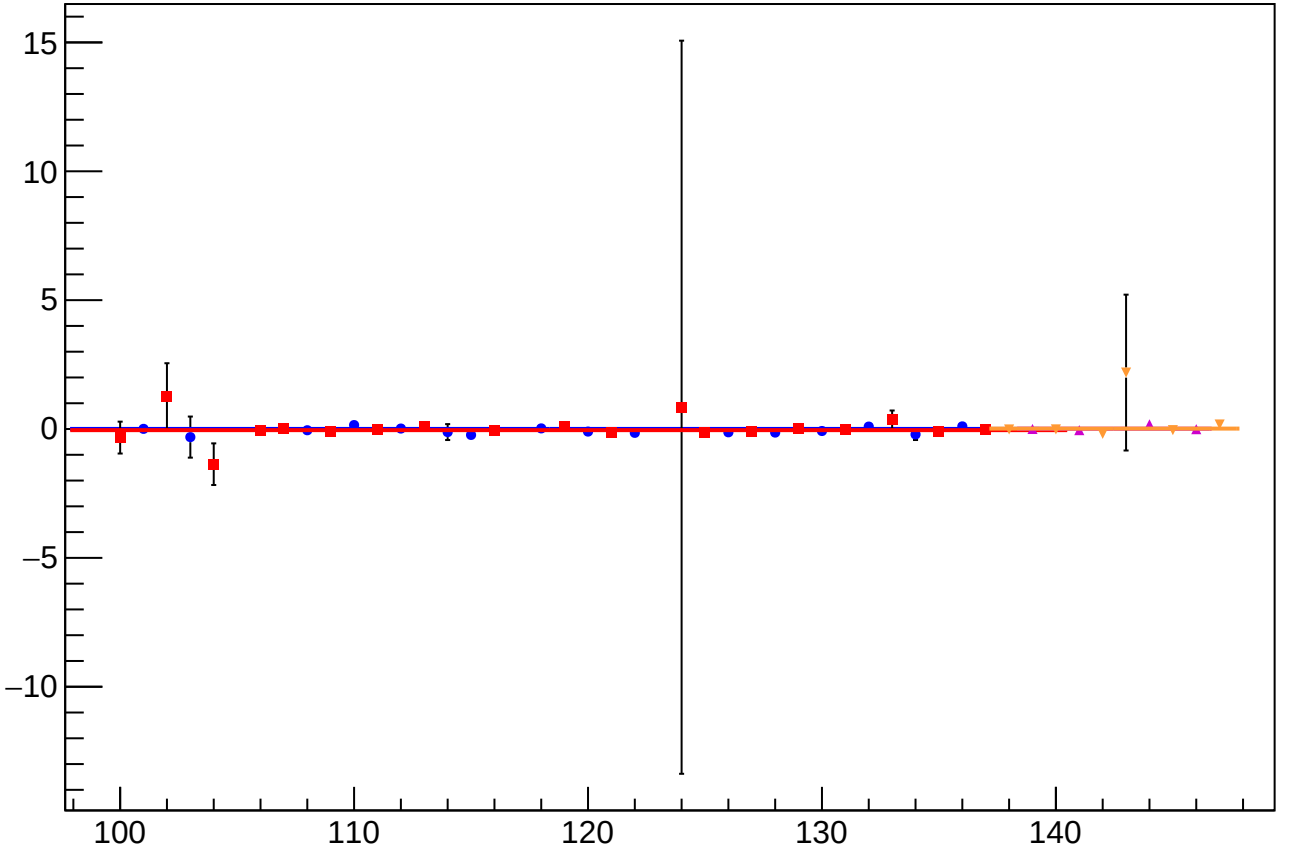
Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

+ sign 58.325+/-0.014 χ^2/NDF: 4925620.5/21

All: 56.532+/-0.010 χ^2/NDF: 9650985.3/44

- sign 54.757+/-0.014 χ^2/NDF: 4694416.6/22

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

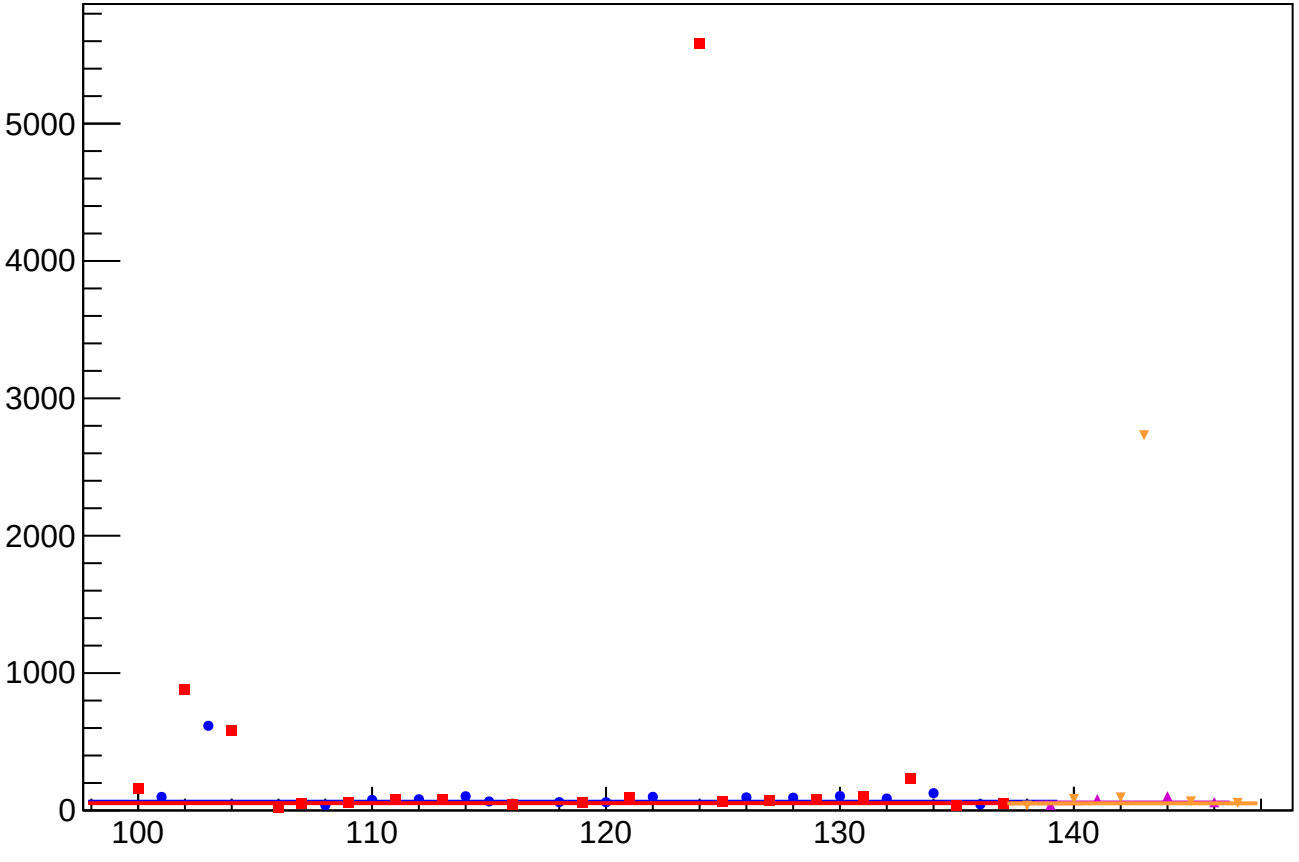
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

\+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.008+/-0.014 χ^2/NDF: 41.8/44

\- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

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: 51.847+/-0.022 χ^2/NDF:2319571.0/5

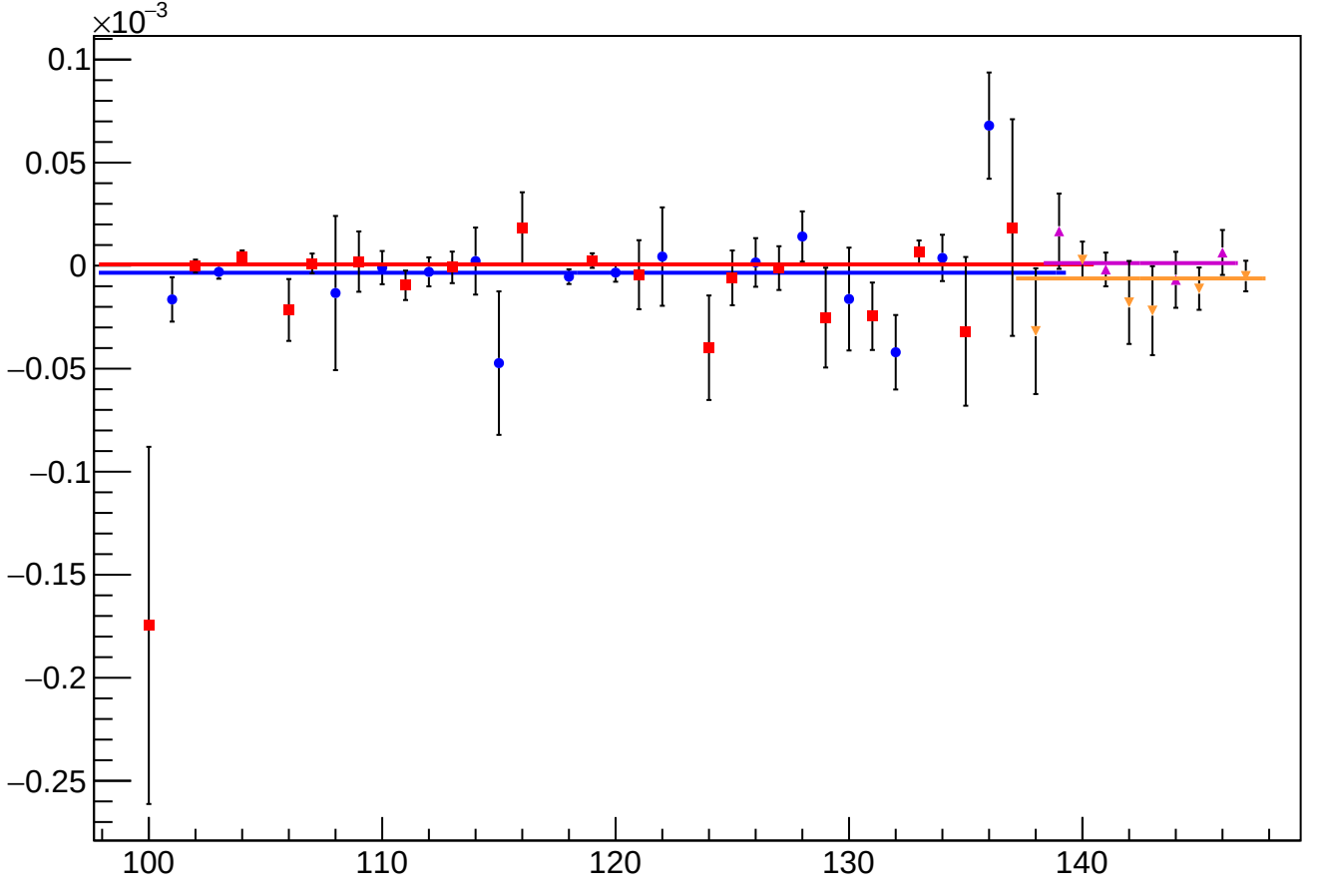
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

+ sign 58.325+/-0.014 χ^2/NDF: 4925620.5/21

All: 56.532+/-0.010 χ^2/NDF: 9650985.3/44

- sign 54.757+/-0.014 χ^2/NDF: 4694416.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

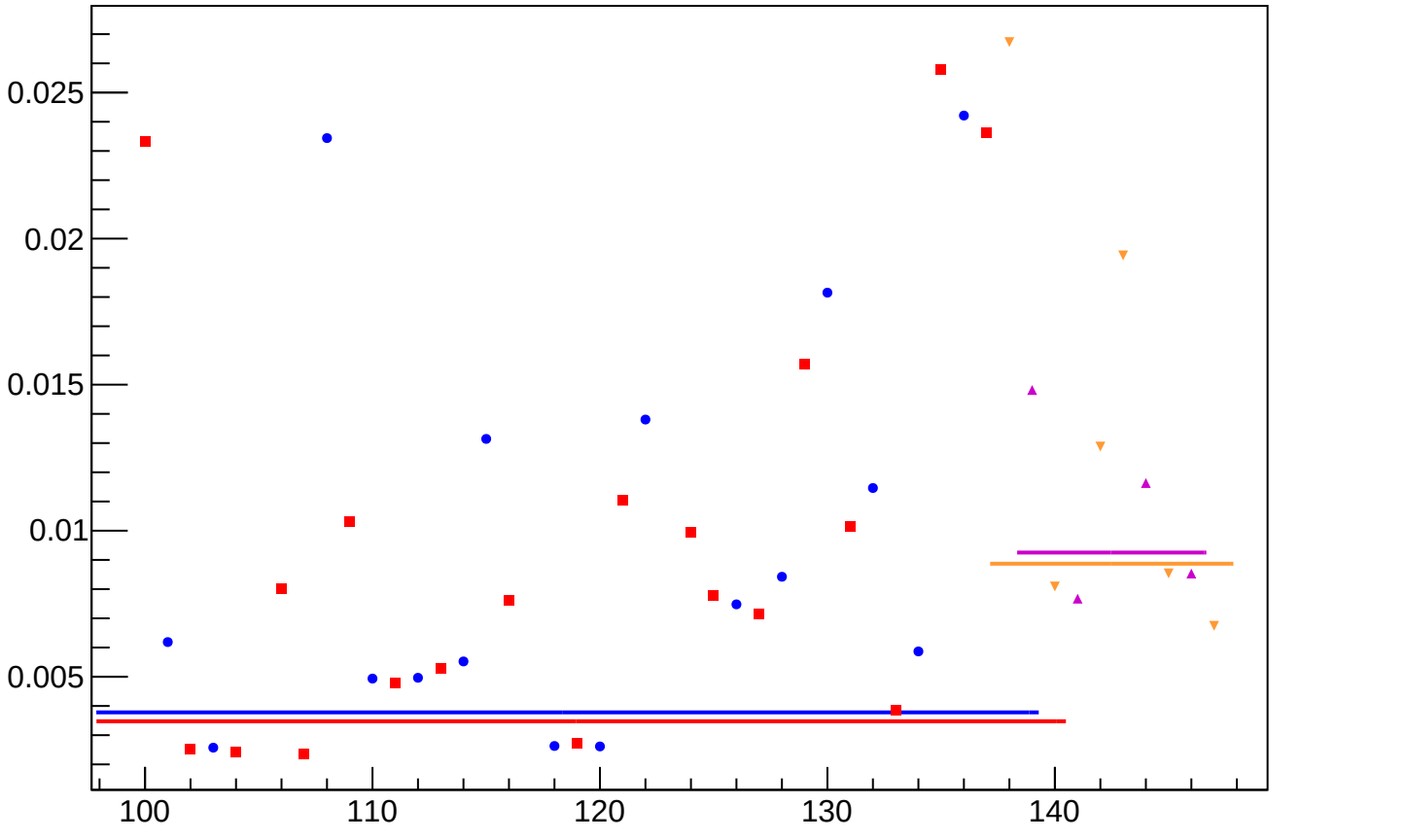
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/21

All: -0.000+/-0.000 χ^2/NDF: 46.6/44

- sign 0.000+/-0.000 χ^2/NDF: 20.6/22



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:1425243.6/5

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

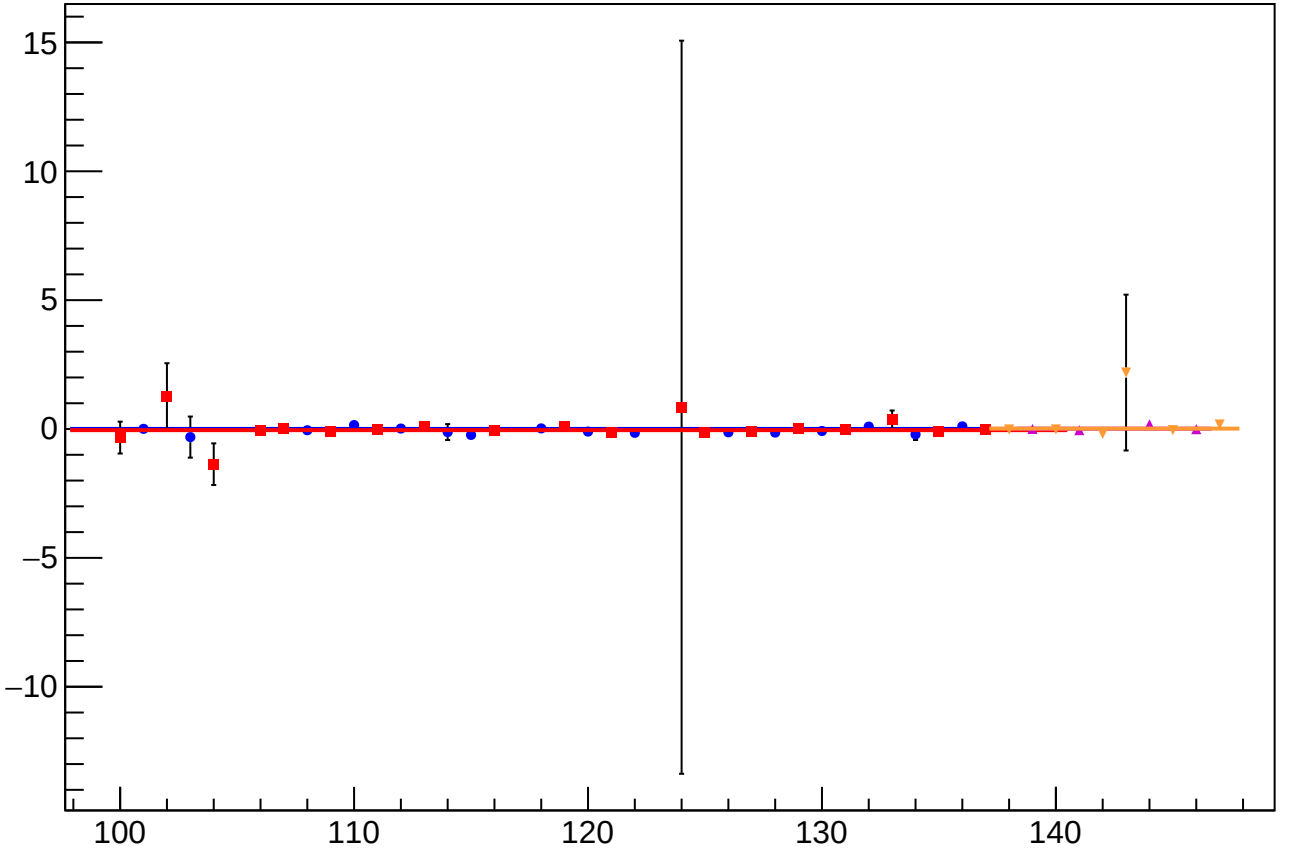
Left In: 0.009+/-0.000 χ^2/NDF:330237.6/3

+ sign 0.004+/-0.000 χ^2/NDF: 8215338.0/21

All: 0.004+/-0.000 χ^2/NDF: 15141078.2/44

- sign 0.004+/-0.000 χ^2/NDF: 6795576.7/22

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

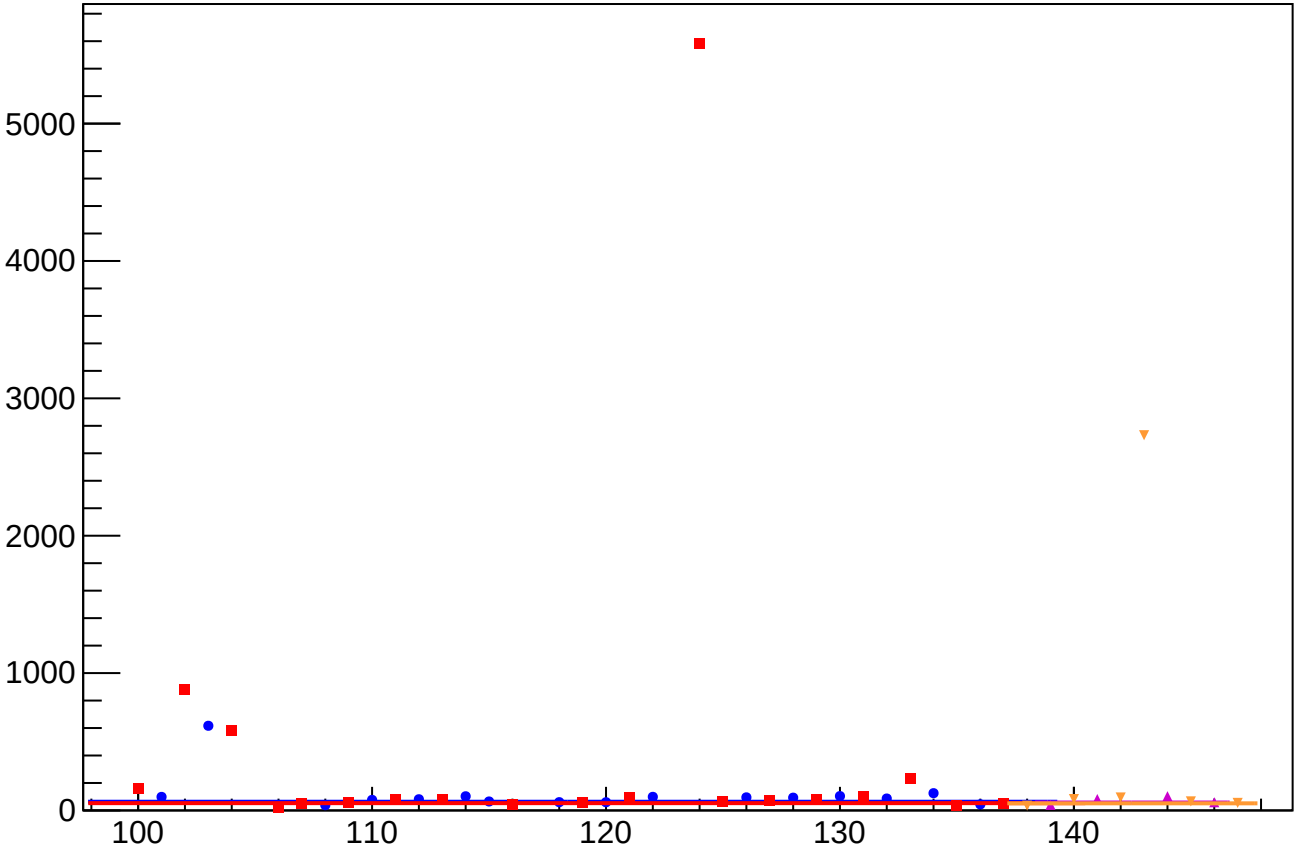
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.008+/-0.014 χ^2/NDF: 41.8/44

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

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: 51.844+/-0.022 χ^2/NDF:2319472.4/5

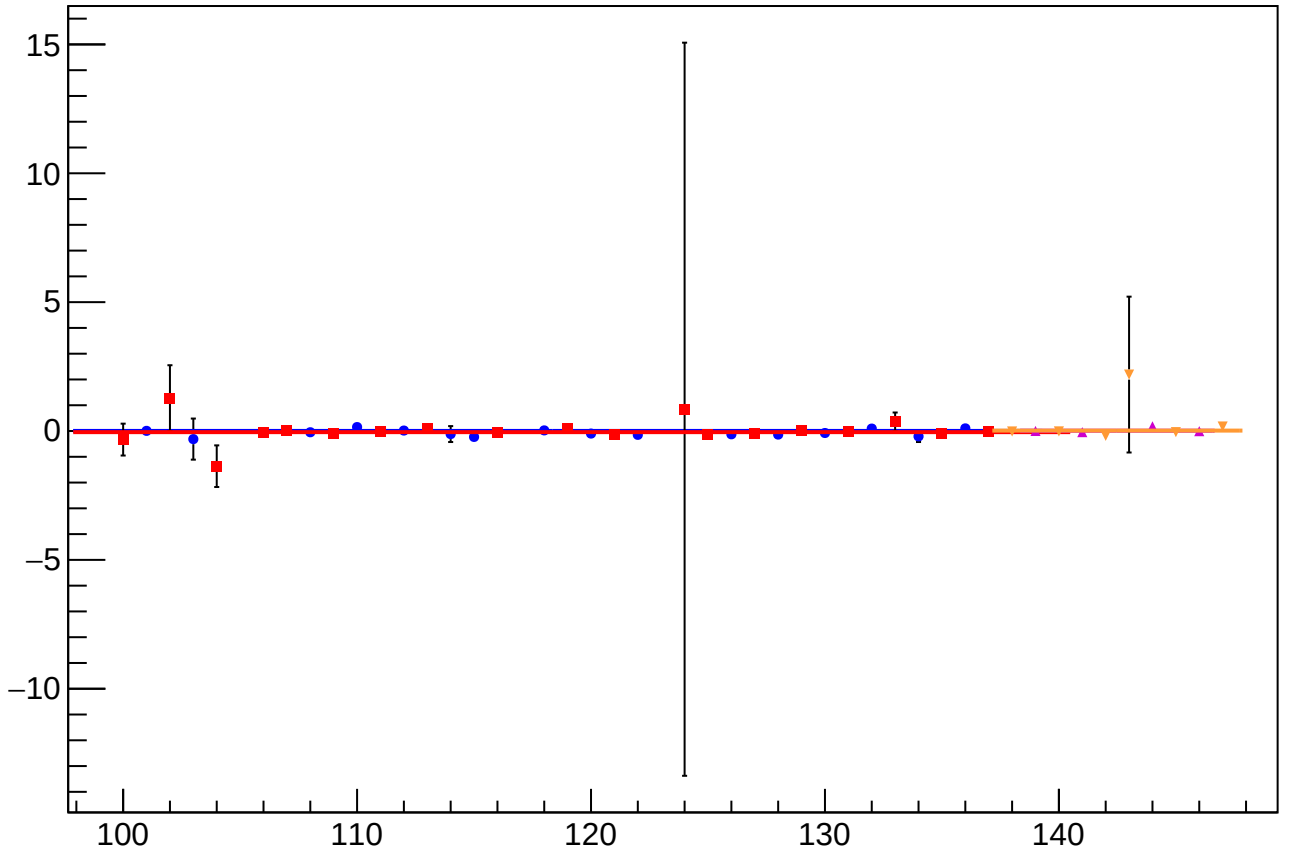
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

+ sign 58.328+/-0.014 χ^2/NDF: 4924925.2/21

All: 56.533+/-0.010 χ^2/NDF: 9650689.4/44

- sign 54.756+/-0.014 χ^2/NDF: 4694742.8/22



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

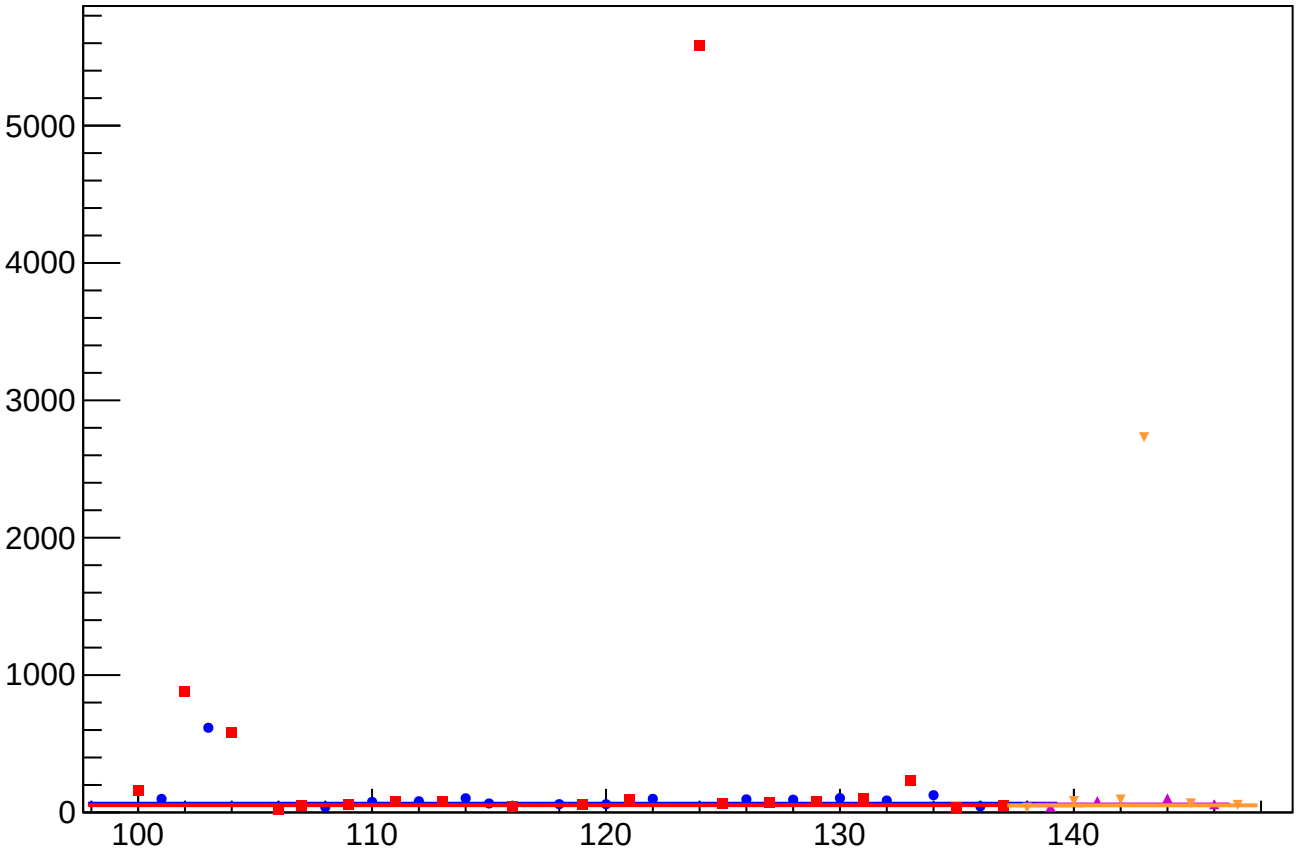
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.008+/-0.014 χ^2/NDF: 41.8/44

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 51.844+/-0.022 χ^2/NDF:2319472.4/5

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

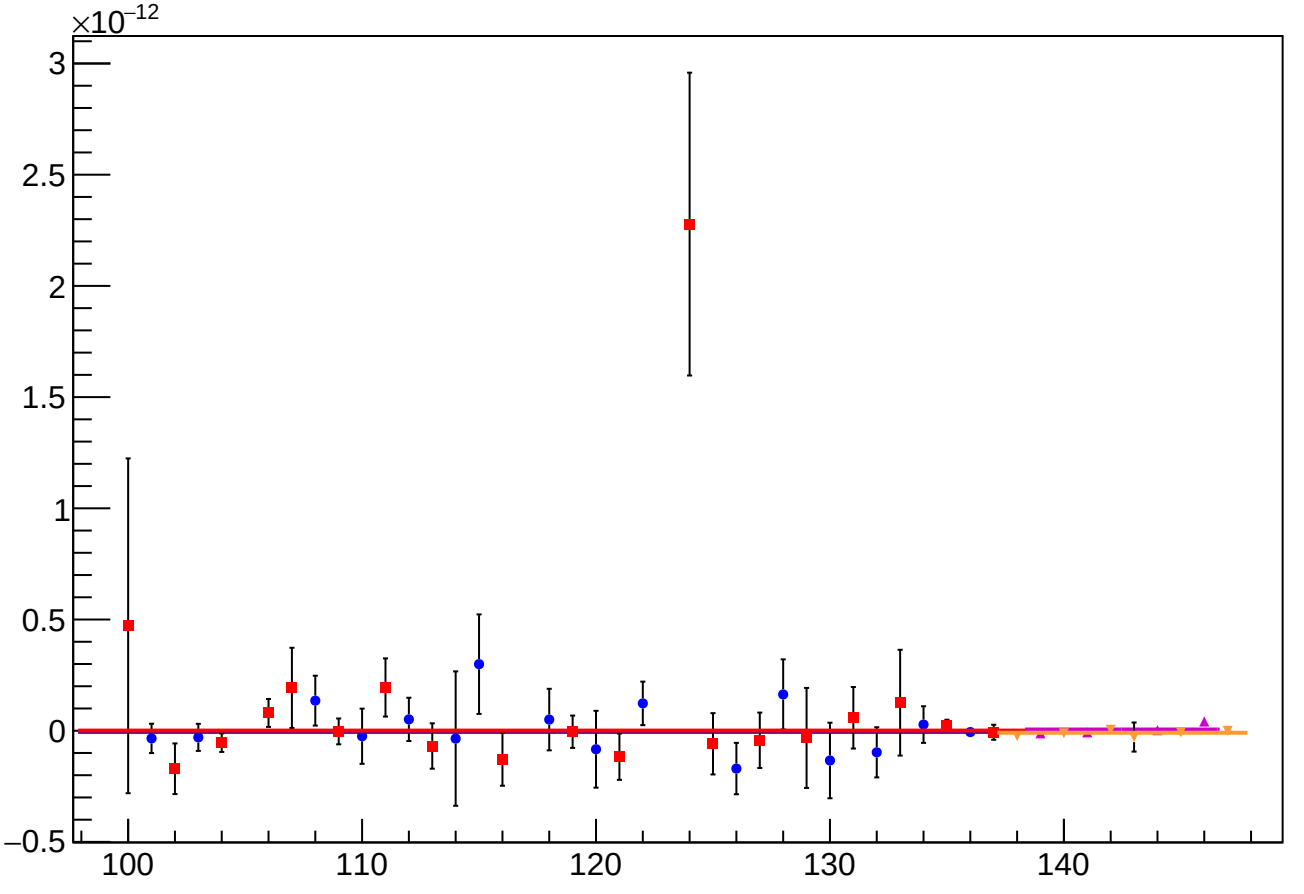
Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

+ sign 58.328+/-0.014 χ^2/NDF: 4924925.2/21

All: 56.533+/-0.010 χ^2/NDF: 9650689.4/44

- sign 54.756+/-0.014 χ^2/NDF: 4694742.8/22

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:1.9/5

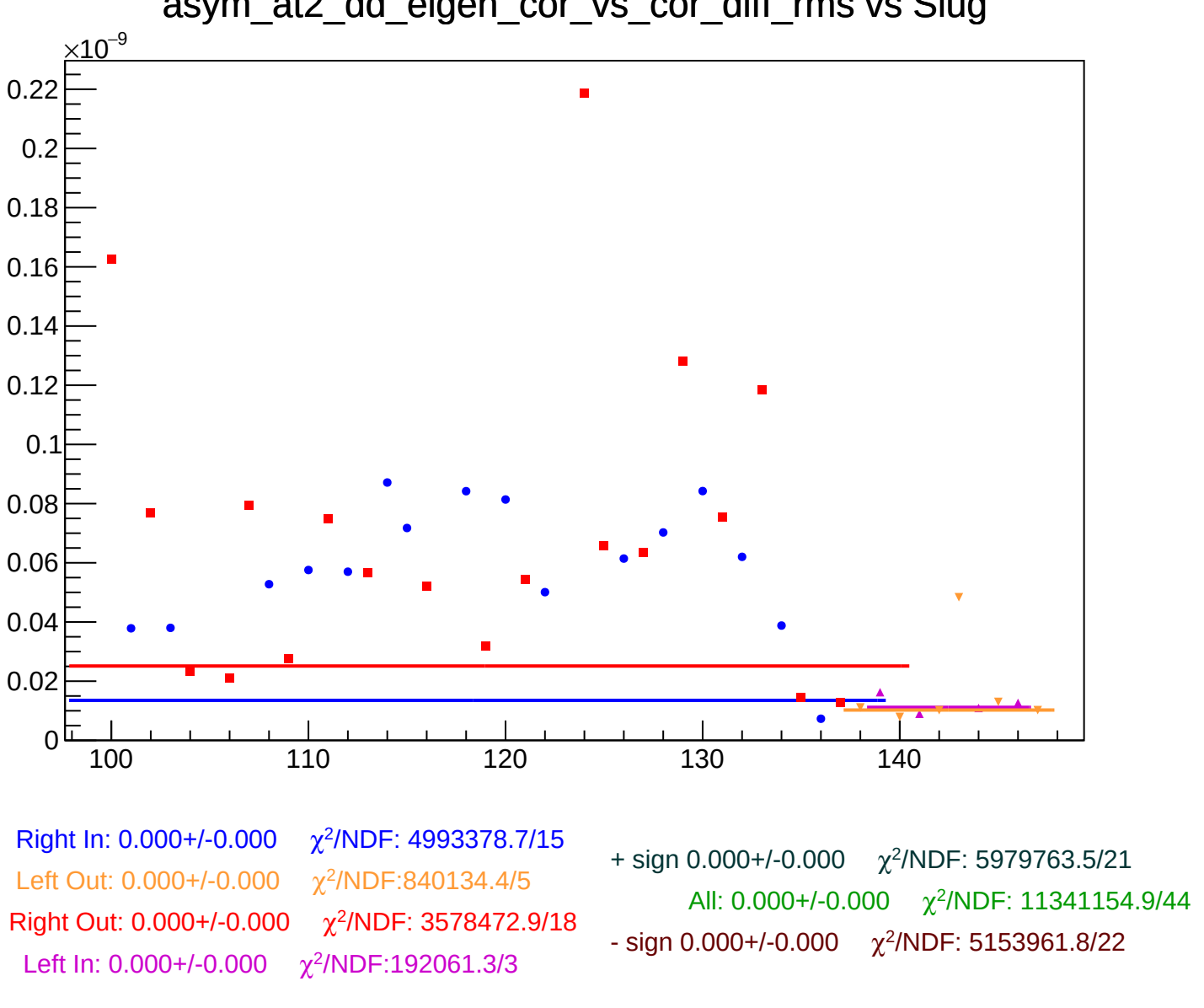
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/3

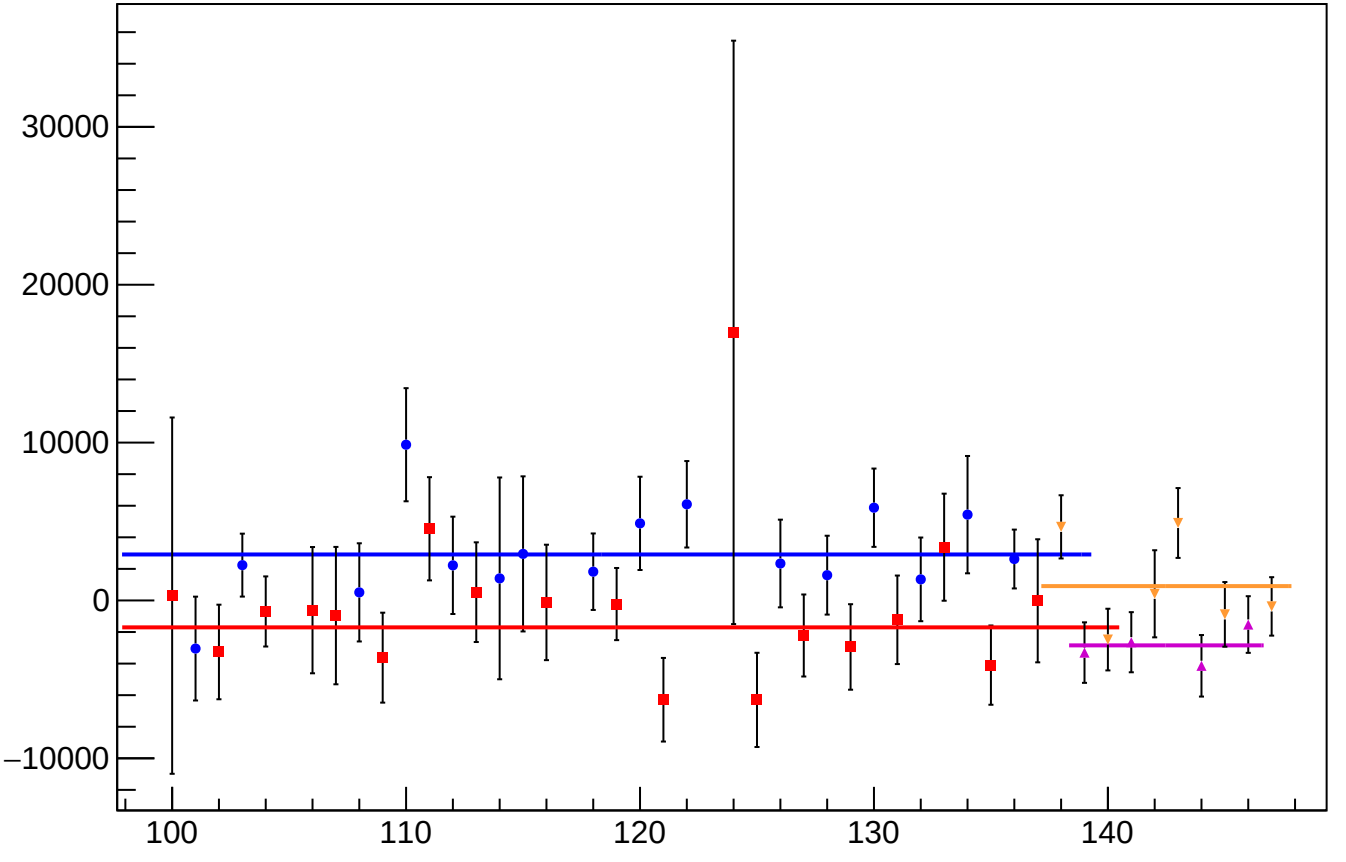
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/21

All: -0.000+/-0.000 χ^2/NDF: 46.9/44

- sign 0.000+/-0.000 χ^2/NDF: 32.0/22


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:840134.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:192061.3/3
+ sign 0.000+/-0.000 χ²/NDF: 5979763.5/21
All: 0.000+/-0.000 χ²/NDF: 11341154.9/44
- sign 0.000+/-0.000 χ²/NDF: 5153961.8/22

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.781+/-851.985 χ^2/NDF:11.1/5

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

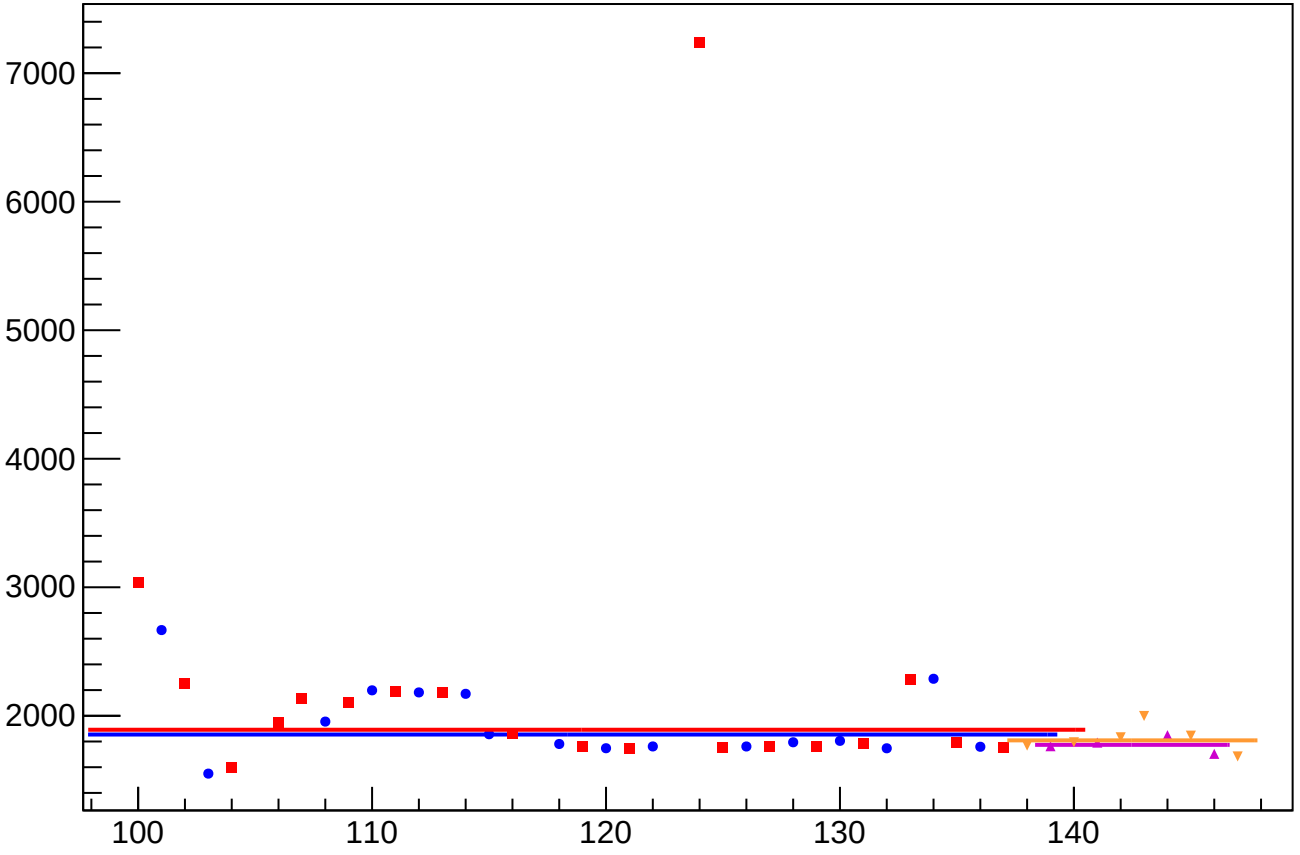
Left In: -2845.766+/-944.148 χ^2/NDF:1.1/3

+ sign 2112.111+/-538.573 χ^2/NDF: 26.8/21

All: 103.014+/-390.112 χ^2/NDF: 73.9/44

- sign -2114.675+/-565.841 χ^2/NDF: 17.8/22

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

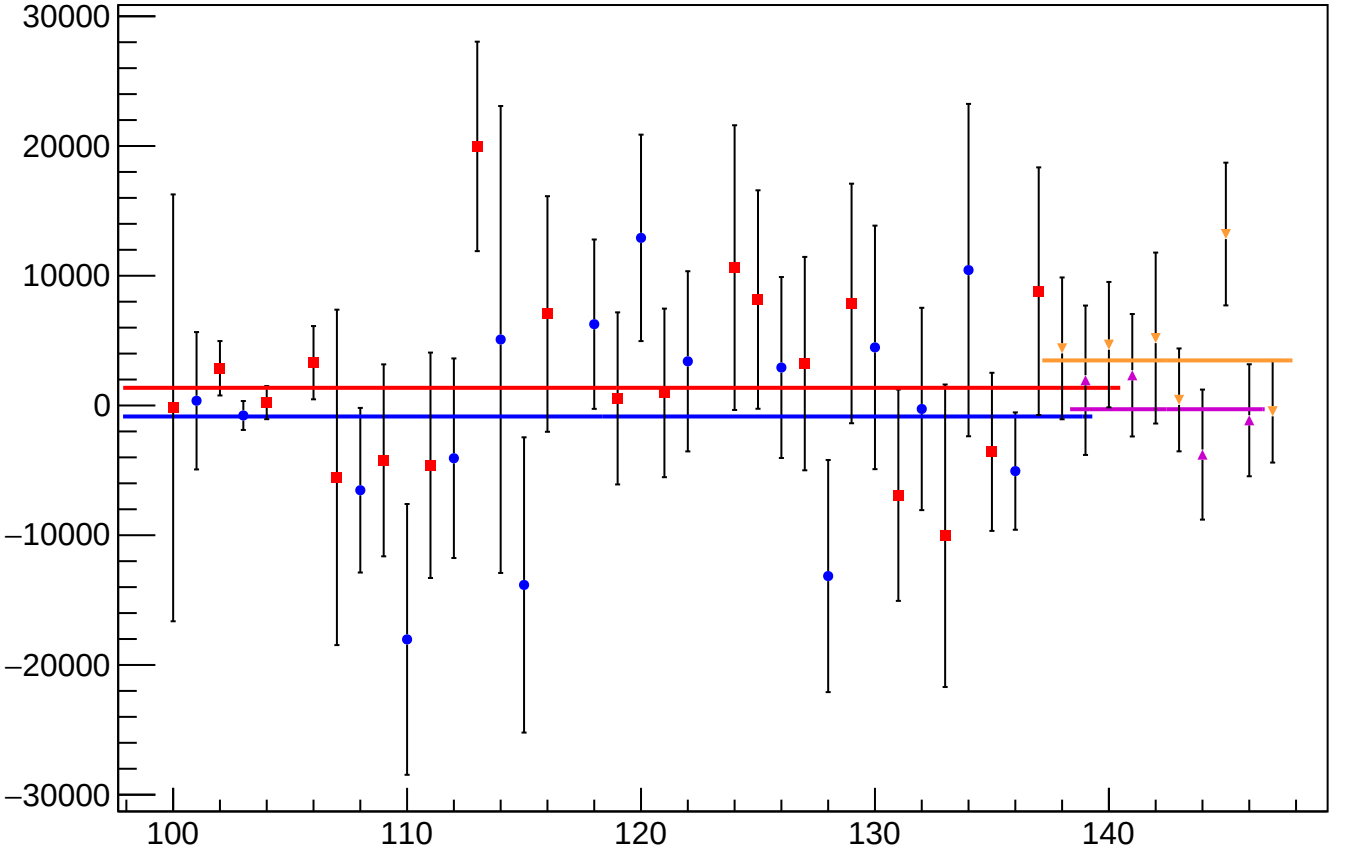
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.6/21

All: 1842.469+/-0.276 χ^2/NDF: 683057.6/44

- sign 1849.426+/-0.400 χ^2/NDF: 390160.3/22

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3474.944+/-1961.460 χ^2/NDF:4.9/5

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

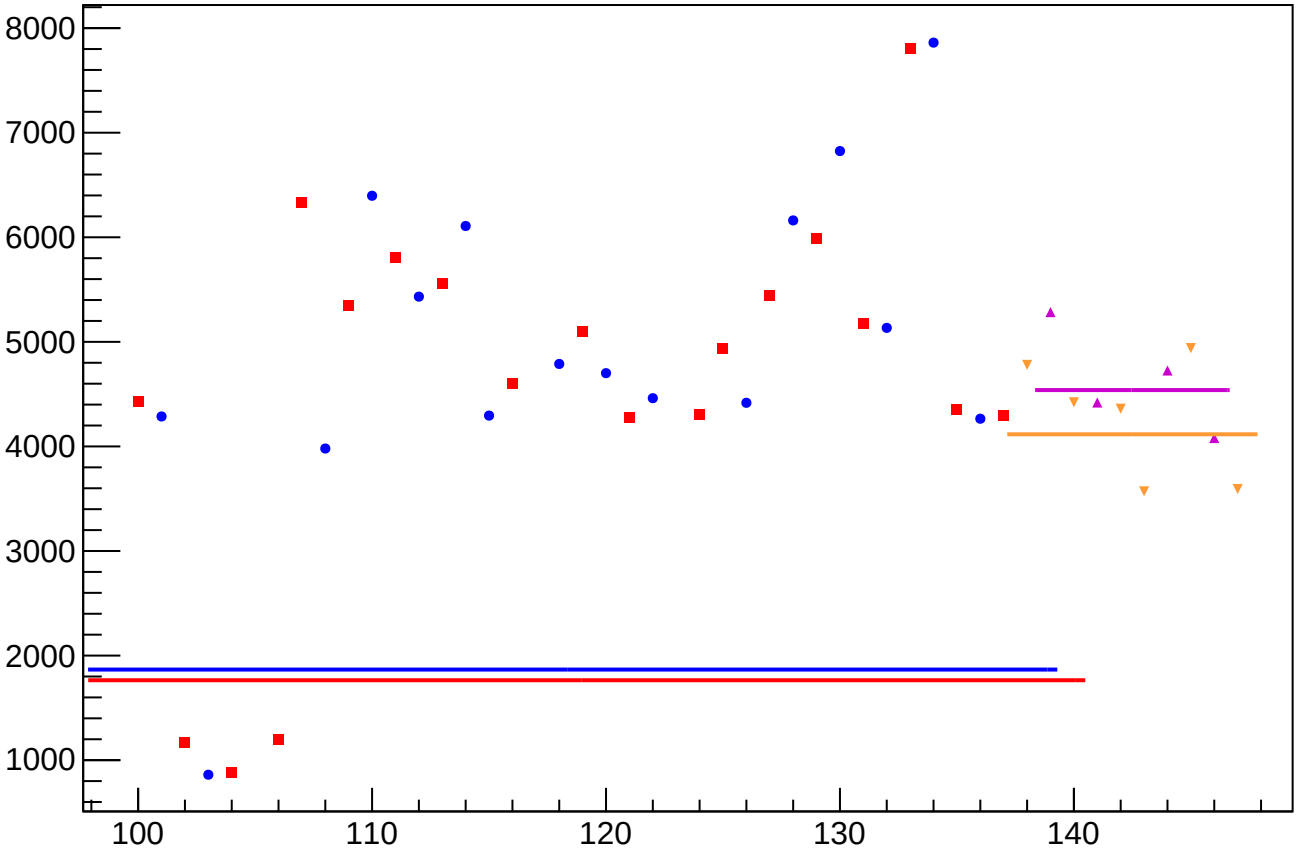
Left In: -288.346+/-2435.519 χ^2/NDF:1.0/3

+ sign -8.467+/-864.378 χ^2/NDF: 22.6/21

All: 579.103+/-608.692 χ^2/NDF: 39.0/44

- sign 1157.096+/-857.305 χ^2/NDF: 15.4/22

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4116.087+/-1.387 χ^2/NDF:158079.5/5

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

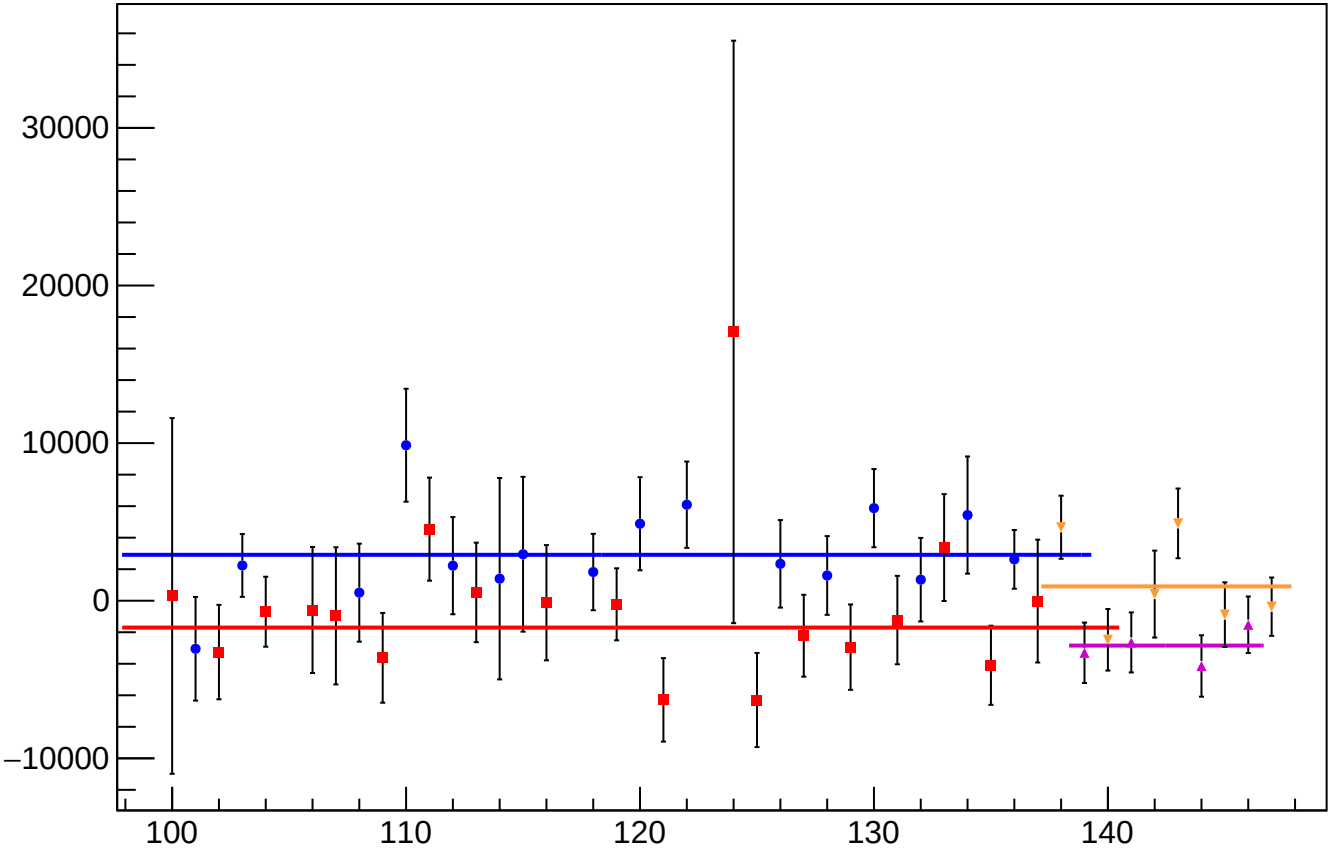
Left In: 4538.816+/-1.722 χ^2/NDF:60162.5/3

+ sign 2303.292+/-0.611 χ^2/NDF: 9127740.8/21

All: 2204.874+/-0.430 χ^2/NDF: 17948083.0/4

- sign 2108.059+/-0.606 χ^2/NDF: 8768908.0/22

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

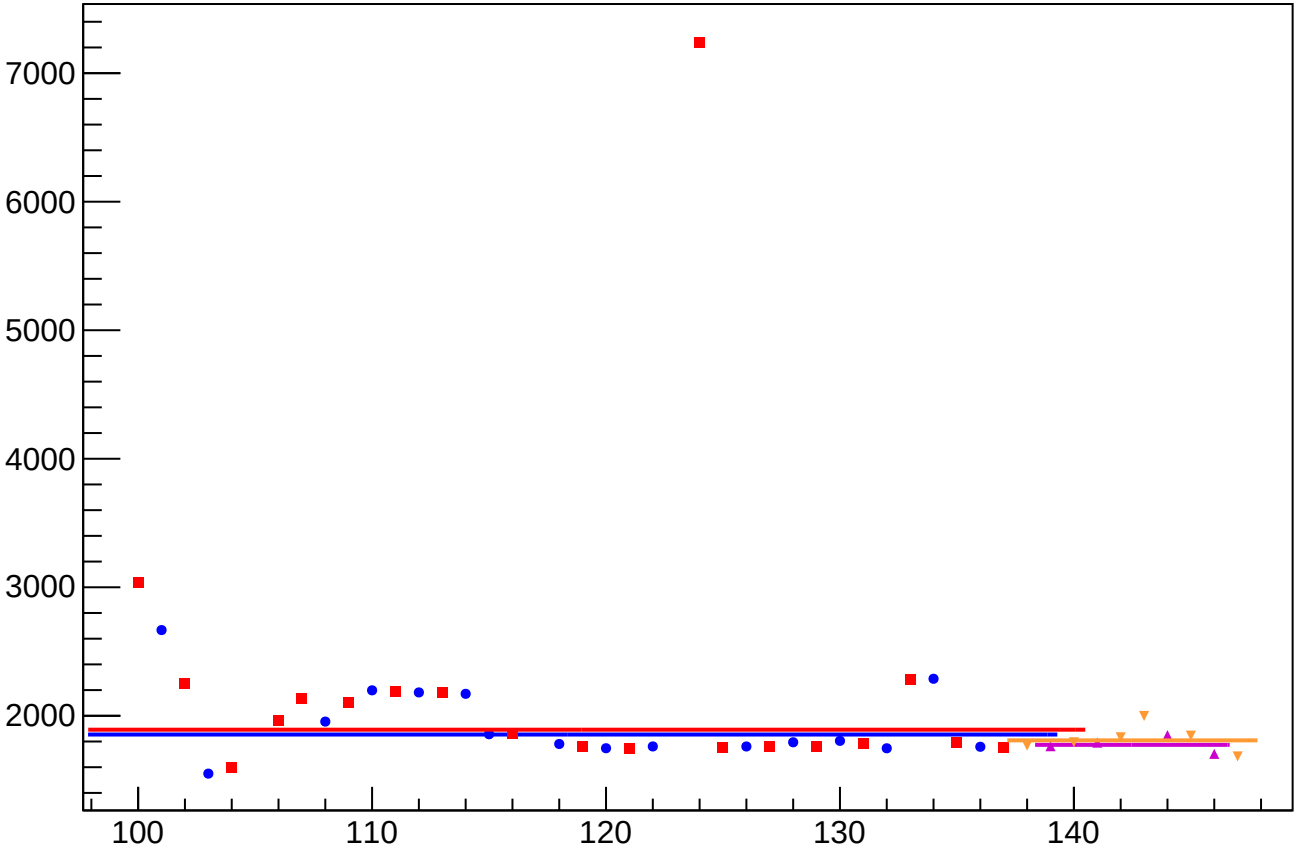
Left In: -2846.029+/-944.148 χ^2/NDF:1.1/3

+ sign 2112.126+/-538.573 χ^2/NDF: 26.8/21

All: 103.399+/-390.112 χ^2/NDF: 73.9/44

- sign -2113.885+/-565.841 χ^2/NDF: 17.8/22

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

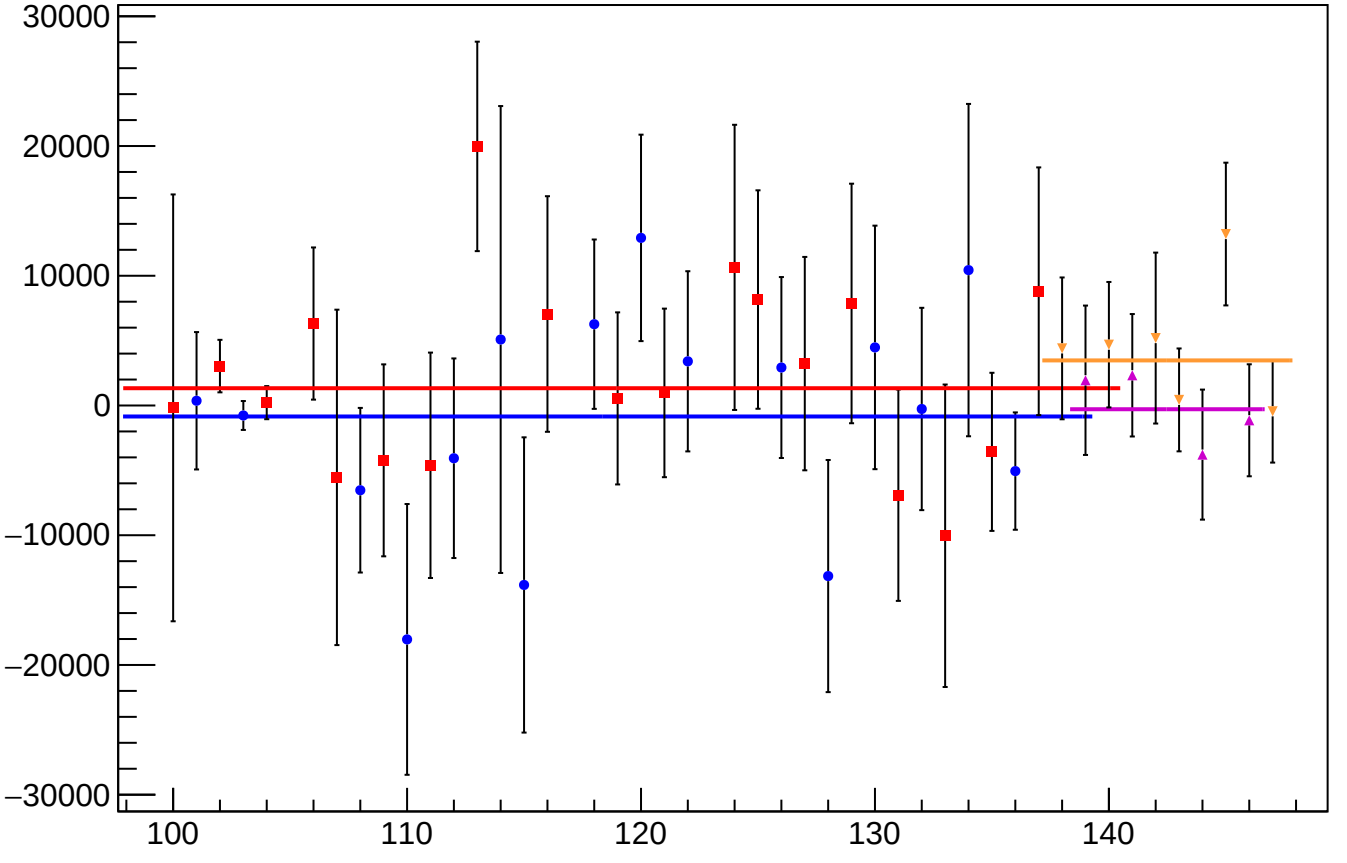
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.4/21

All: 1842.603+/-0.276 χ^2/NDF: 683475.8/44

- sign 1849.708+/-0.400 χ^2/NDF: 390553.9/22

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3474.802+/-1961.455 χ^2/NDF:4.9/5

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

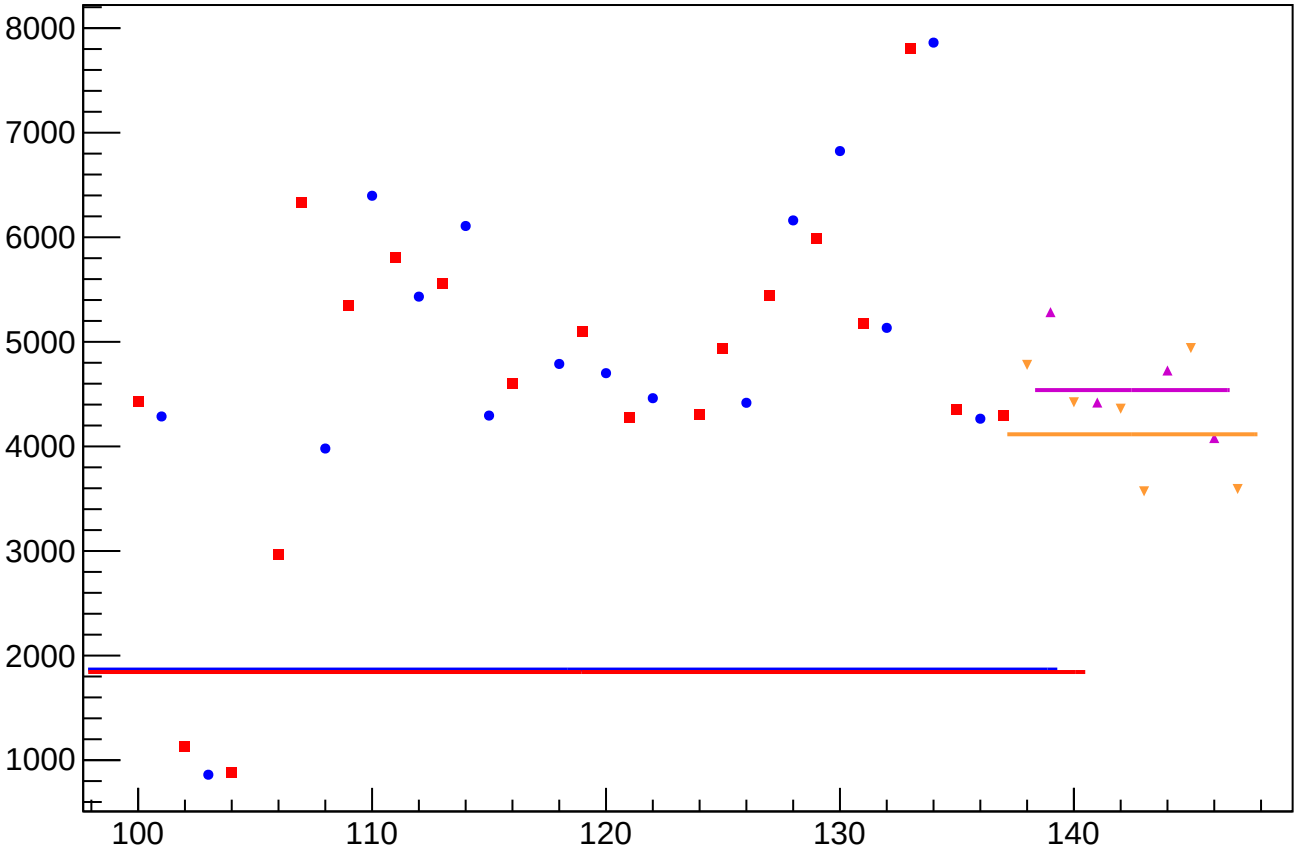
Left In: -288.449+/-2435.517 χ^2/NDF:1.0/3

+ sign -8.185+/-864.339 χ^2/NDF: 22.6/21

All: 542.610+/-617.866 χ^2/NDF: 39.3/44

- sign 1118.182+/-883.567 χ^2/NDF: 15.8/22

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

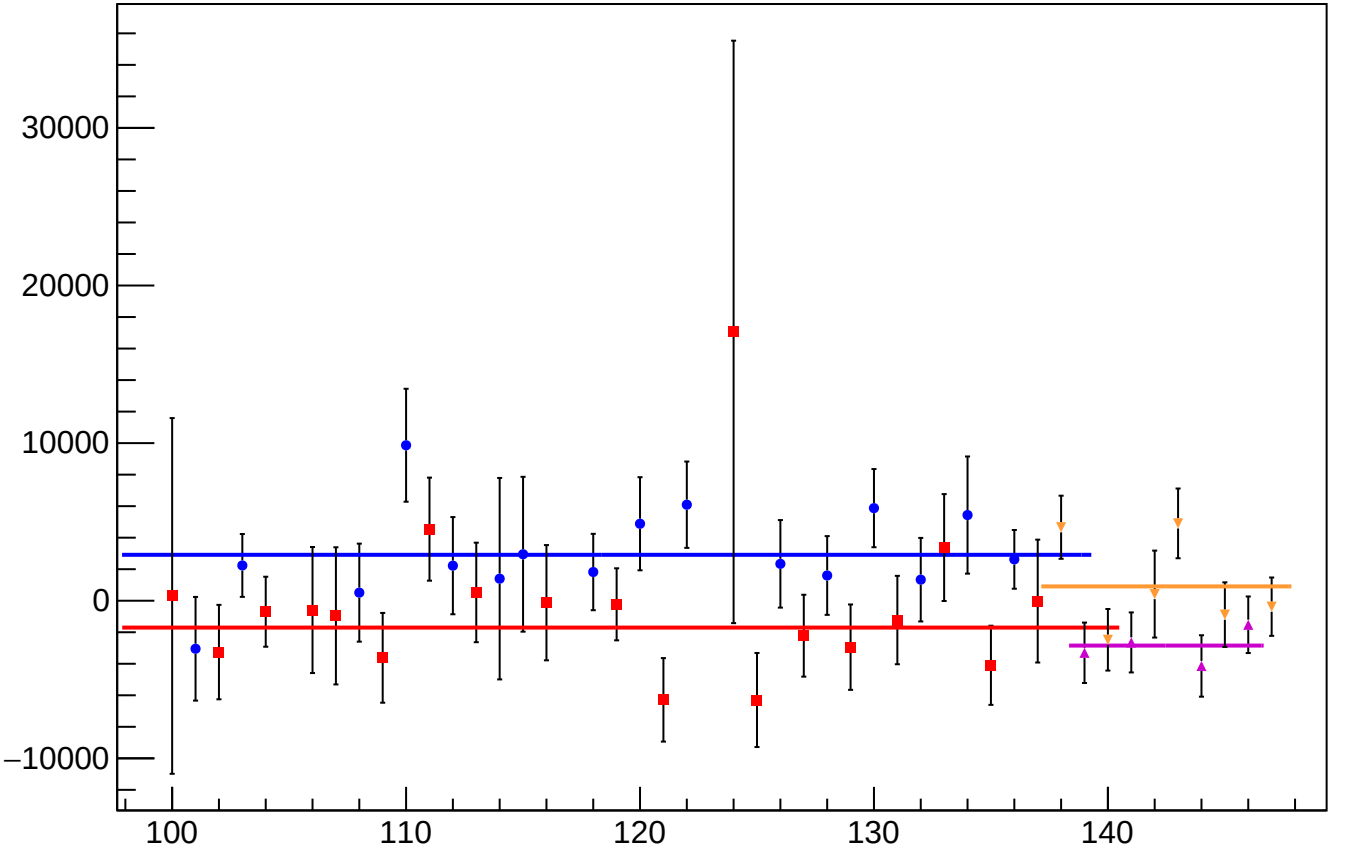
Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

+ sign 2303.129+/-0.611 χ^2/NDF: 9128488.5/21

All: 2251.574+/-0.437 χ^2/NDF: 17789690.8/4

- sign 2197.700+/-0.625 χ^2/NDF: 8646651.3/22

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

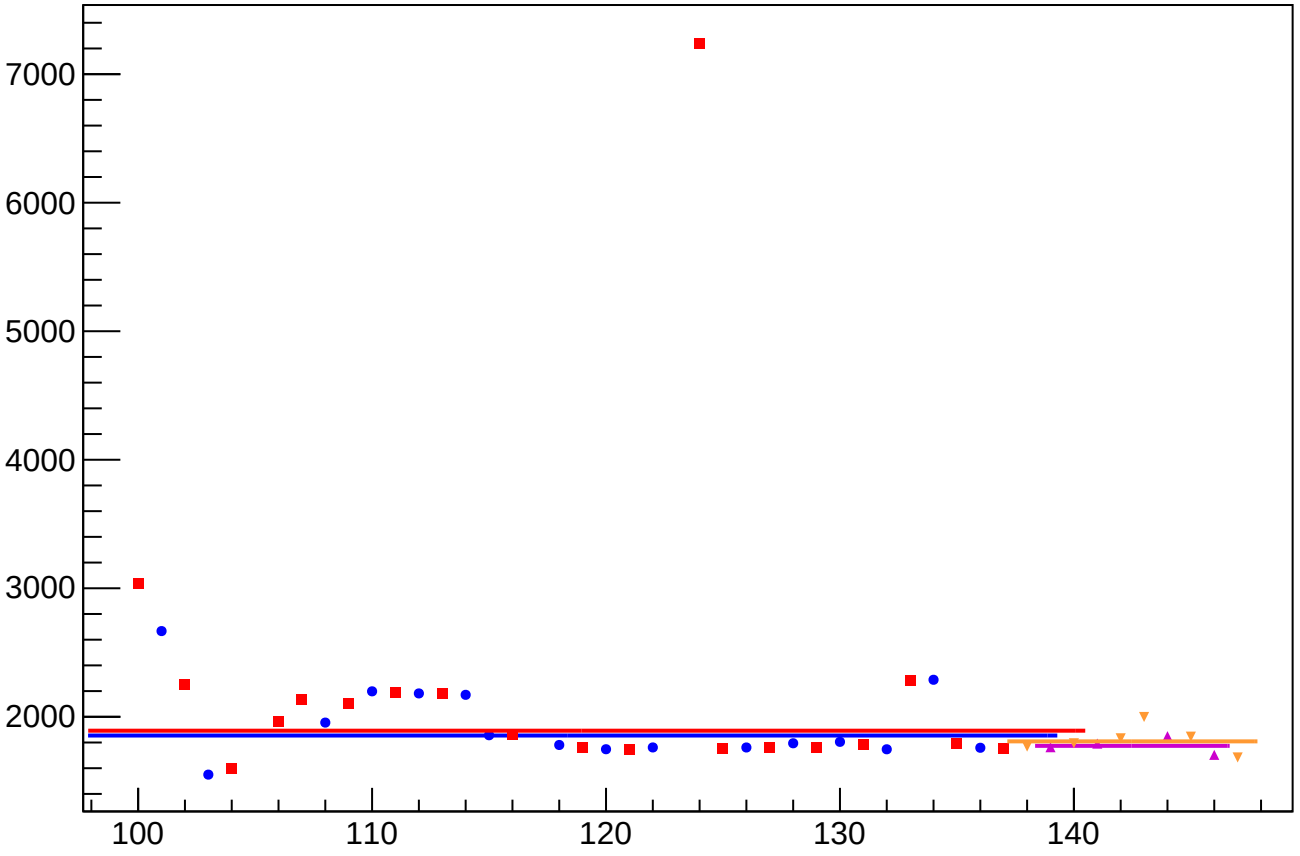
Left In: -2846.029+/-944.148 χ^2/NDF:1.1/3

+ sign 2112.126+/-538.573 χ^2/NDF: 26.8/21

All: 103.399+/-390.112 χ^2/NDF: 73.9/44

- sign -2113.885+/-565.841 χ^2/NDF: 17.8/22

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

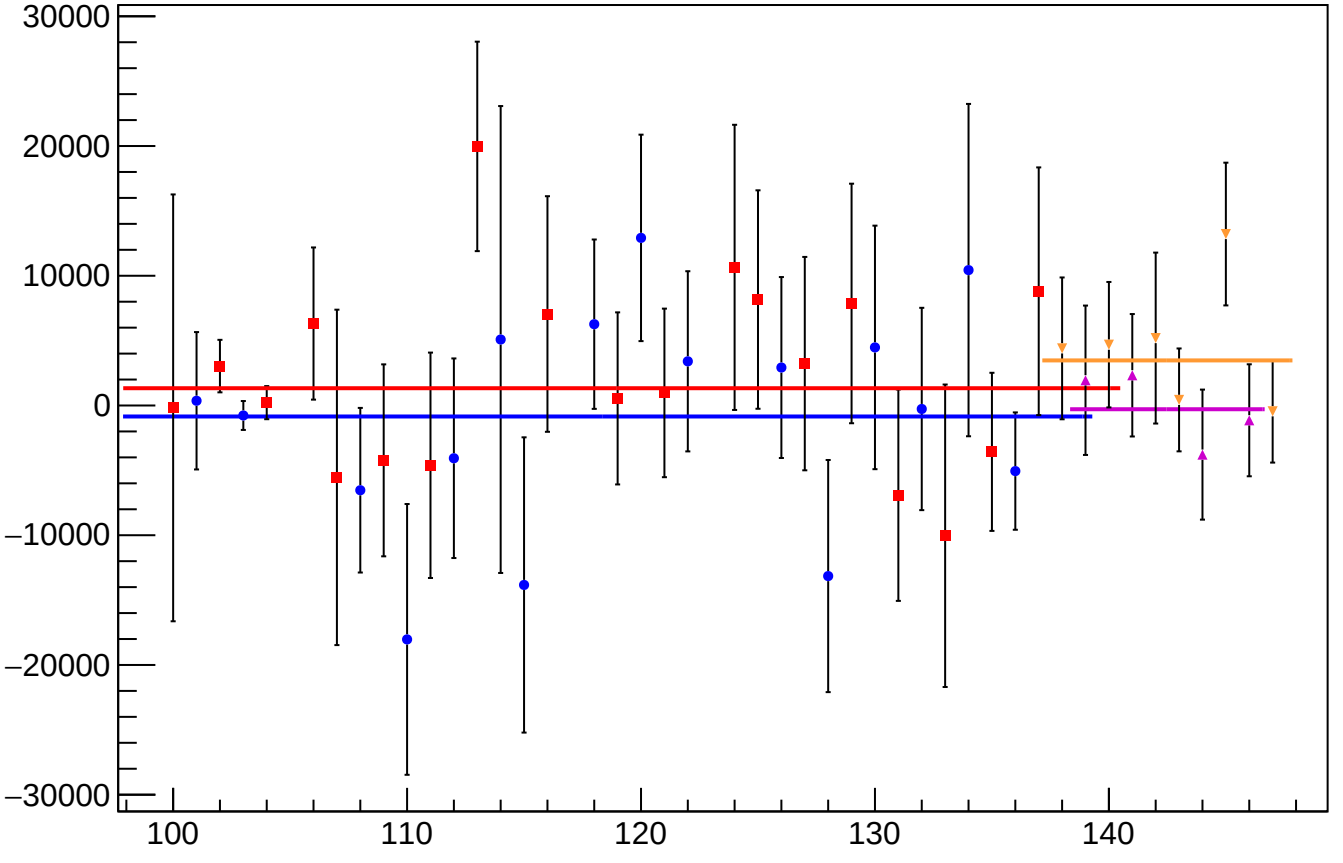
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.4/21

All: 1842.603+/-0.276 χ^2/NDF: 683475.8/44

- sign 1849.708+/-0.400 χ^2/NDF: 390553.9/22

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3474.802+/-1961.455 χ^2/NDF:4.9/5

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

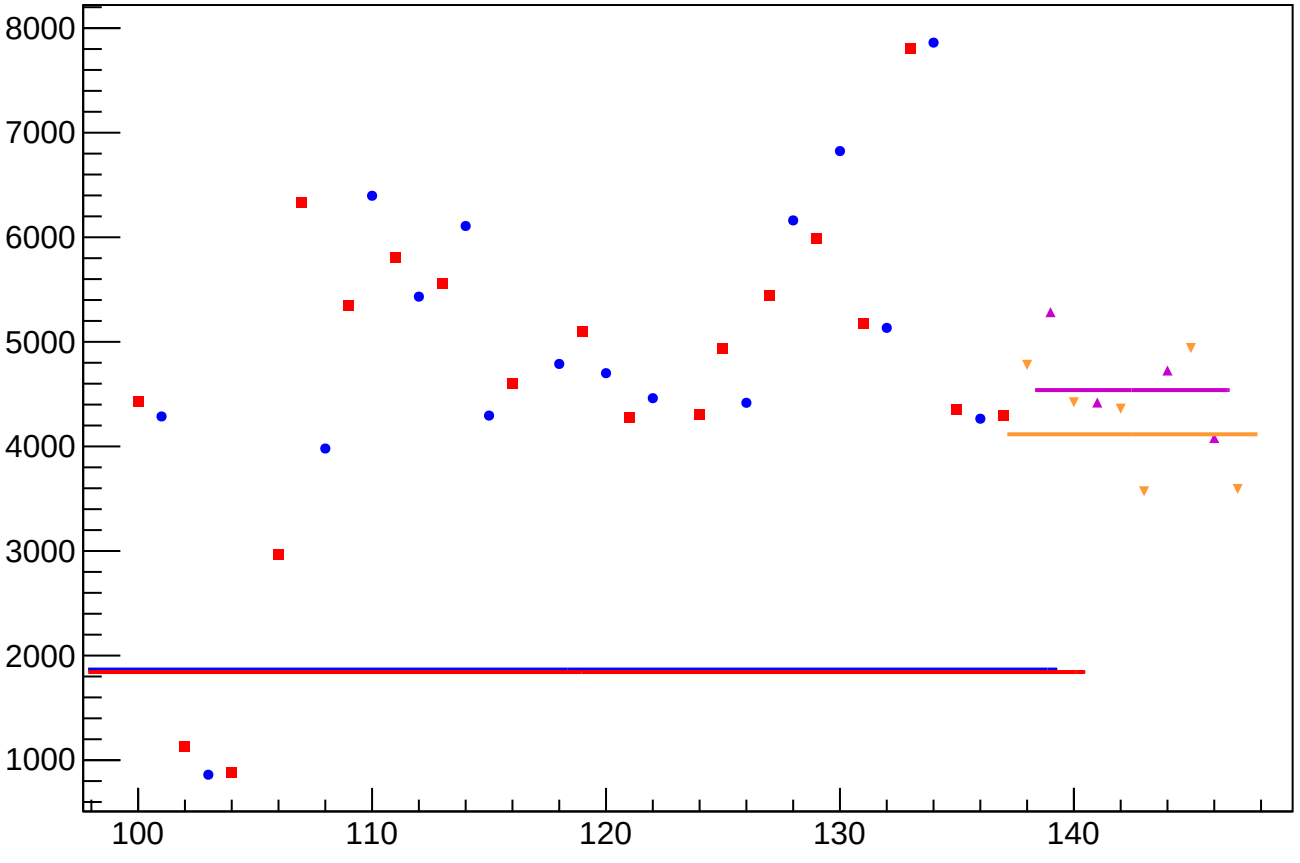
Left In: -288.449+/-2435.517 χ^2/NDF:1.0/3

+ sign -8.185+/-864.339 χ^2/NDF: 22.6/21

All: 542.610+/-617.866 χ^2/NDF: 39.3/44

- sign 1118.182+/-883.567 χ^2/NDF: 15.8/22

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

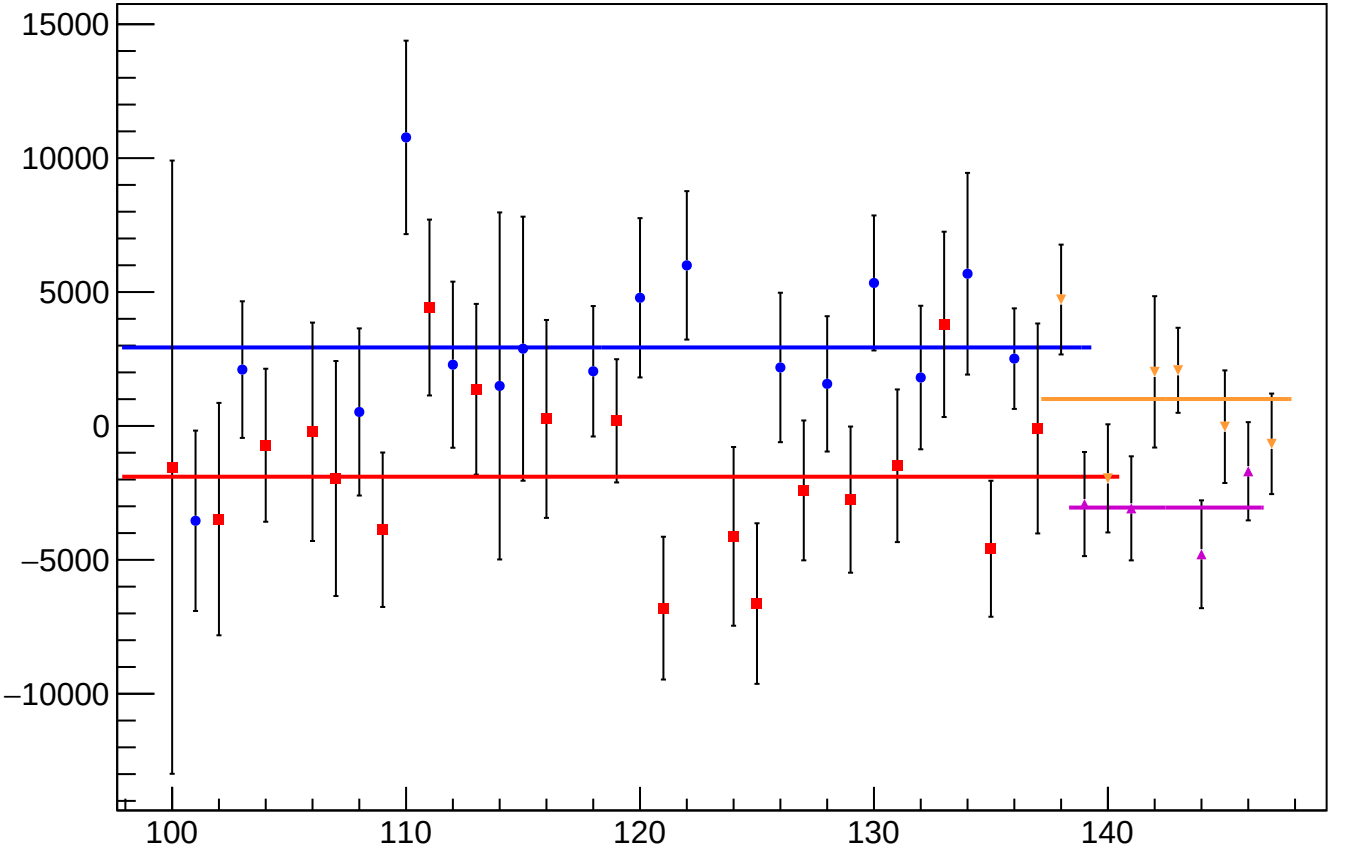
Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

+ sign 2303.129+/-0.611 χ^2/NDF: 9128488.5/21

All: 2251.574+/-0.437 χ^2/NDF: 17789690.8/4

- sign 2197.700+/-0.625 χ^2/NDF: 8646651.3/22

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1005.825+/-812.431 χ^2/NDF:7.1/5

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

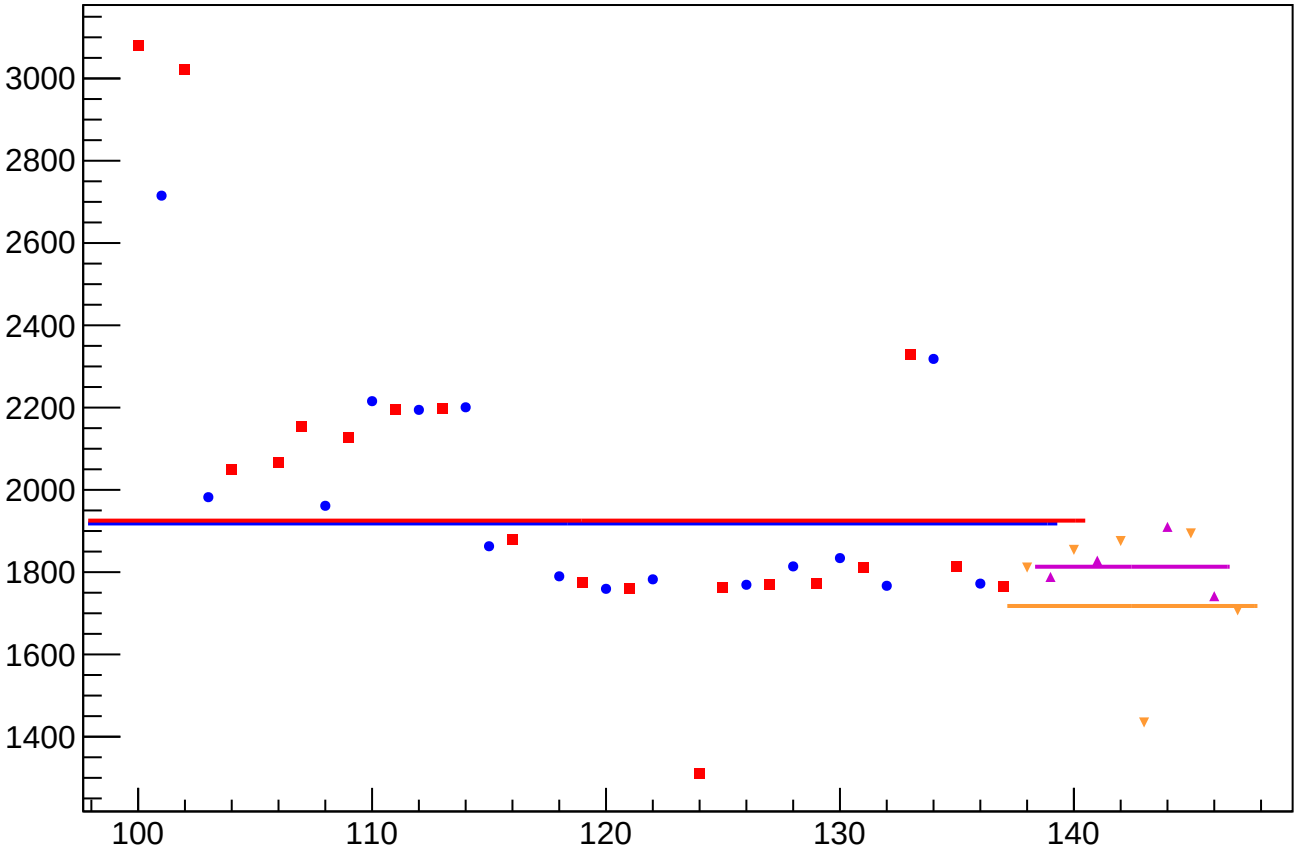
Left In: -3047.597+/-965.176 χ^2/NDF:1.3/3

+ sign 2086.734+/-538.134 χ^2/NDF: 23.2/21

All: 46.187+/-393.896 χ^2/NDF: 73.8/44

- sign -2308.841+/-578.117 χ^2/NDF: 19.6/22

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.761+/-0.574 χ^2/NDF:97258.4/5

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

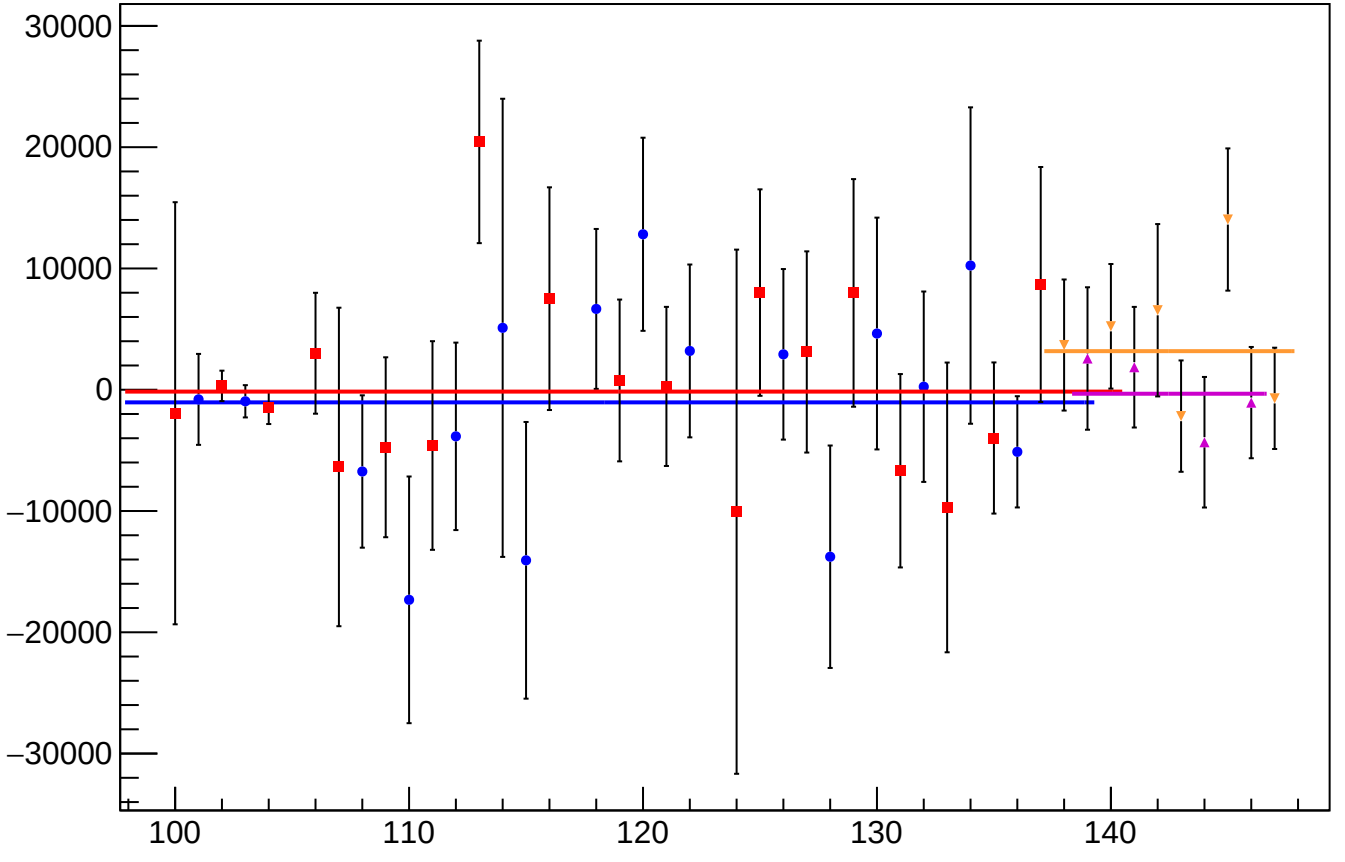
Left In: 1813.191+/-0.682 χ^2/NDF:8120.9/3

+ sign 1830.353+/-0.381 χ^2/NDF: 381290.8/21

All: 1855.780+/-0.278 χ^2/NDF: 755420.5/44

- sign 1885.095+/-0.409 χ^2/NDF: 364516.7/22

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 3181.669+/-2104.345 χ^2/NDF:6.0/5

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

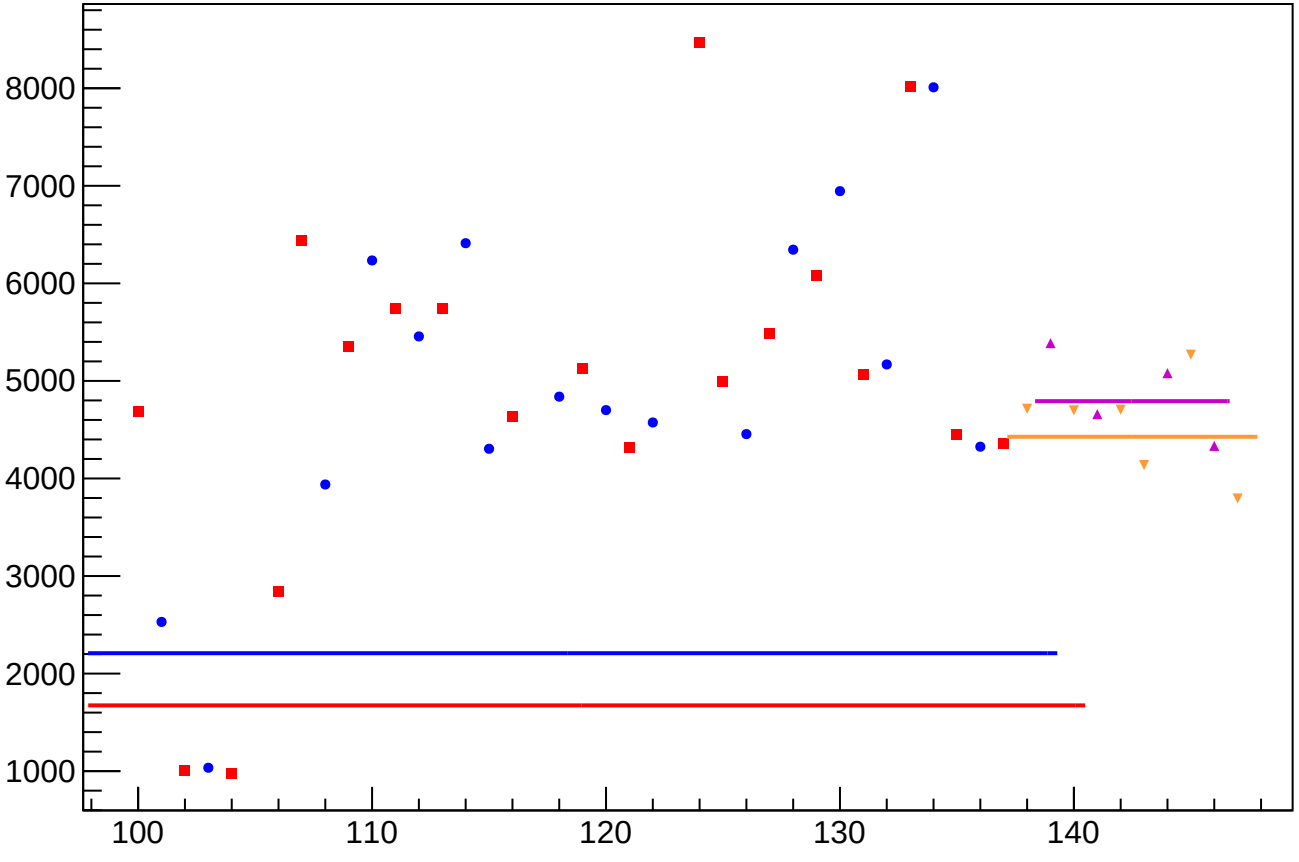
Left In: -329.968+/-2569.713 χ^2/NDF:1.0/3

+ sign -171.154+/-955.486 χ^2/NDF: 23.1/21

All: -170.758+/-610.985 χ^2/NDF: 37.8/44

- sign -170.485+/-794.691 χ^2/NDF: 14.7/22

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4427.455+/-1.488 χ^2/NDF:109285.8/5

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

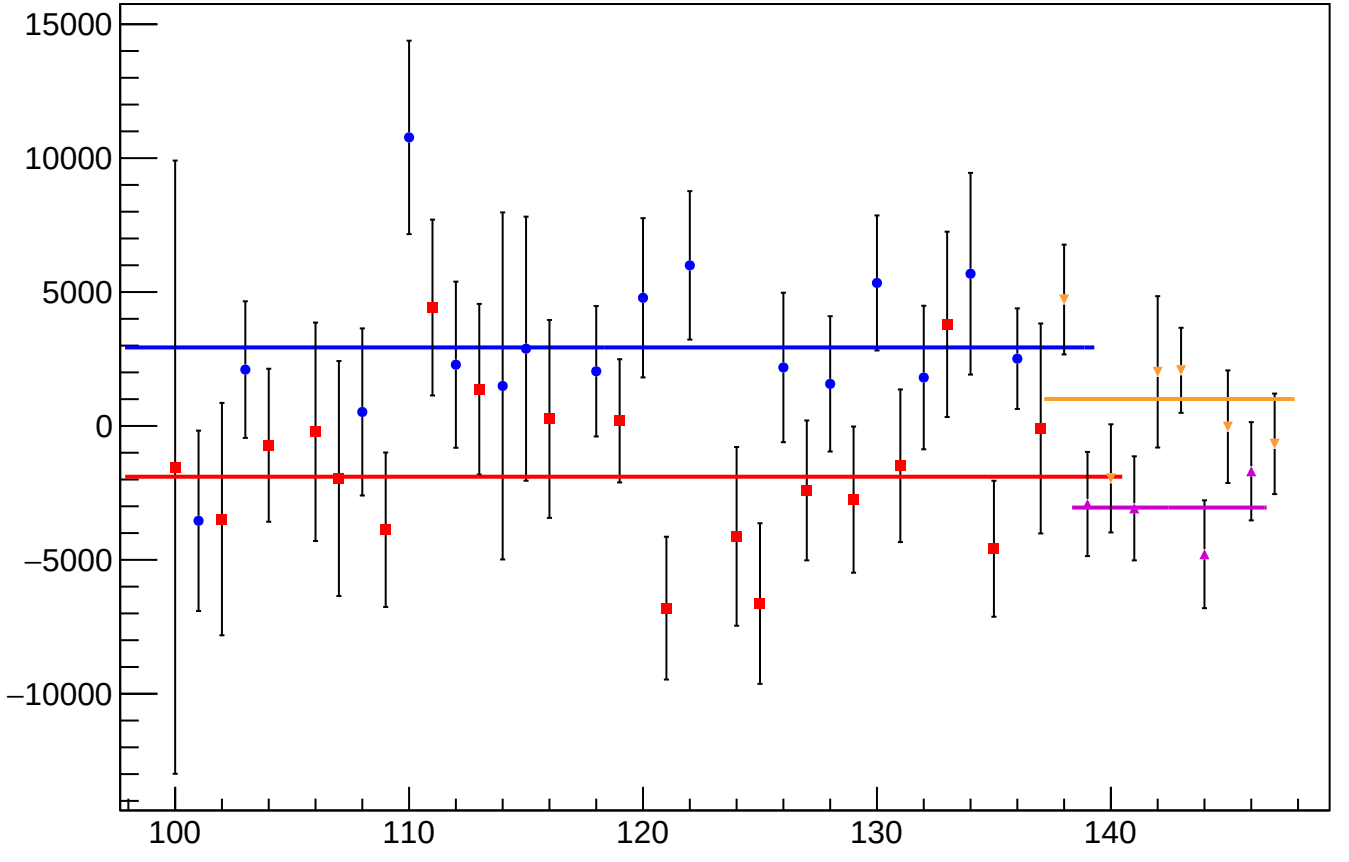
Left In: 4792.557+/-1.817 χ^2/NDF:47614.4/3

+ sign 2666.298+/-0.676 χ^2/NDF: 7372962.6/21

All: 2256.130+/-0.432 χ^2/NDF: 17560874.5/4

- sign 1972.397+/-0.562 χ^2/NDF: 9564406.9/22

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1005.825+/-812.432 χ^2/NDF:7.1/5

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

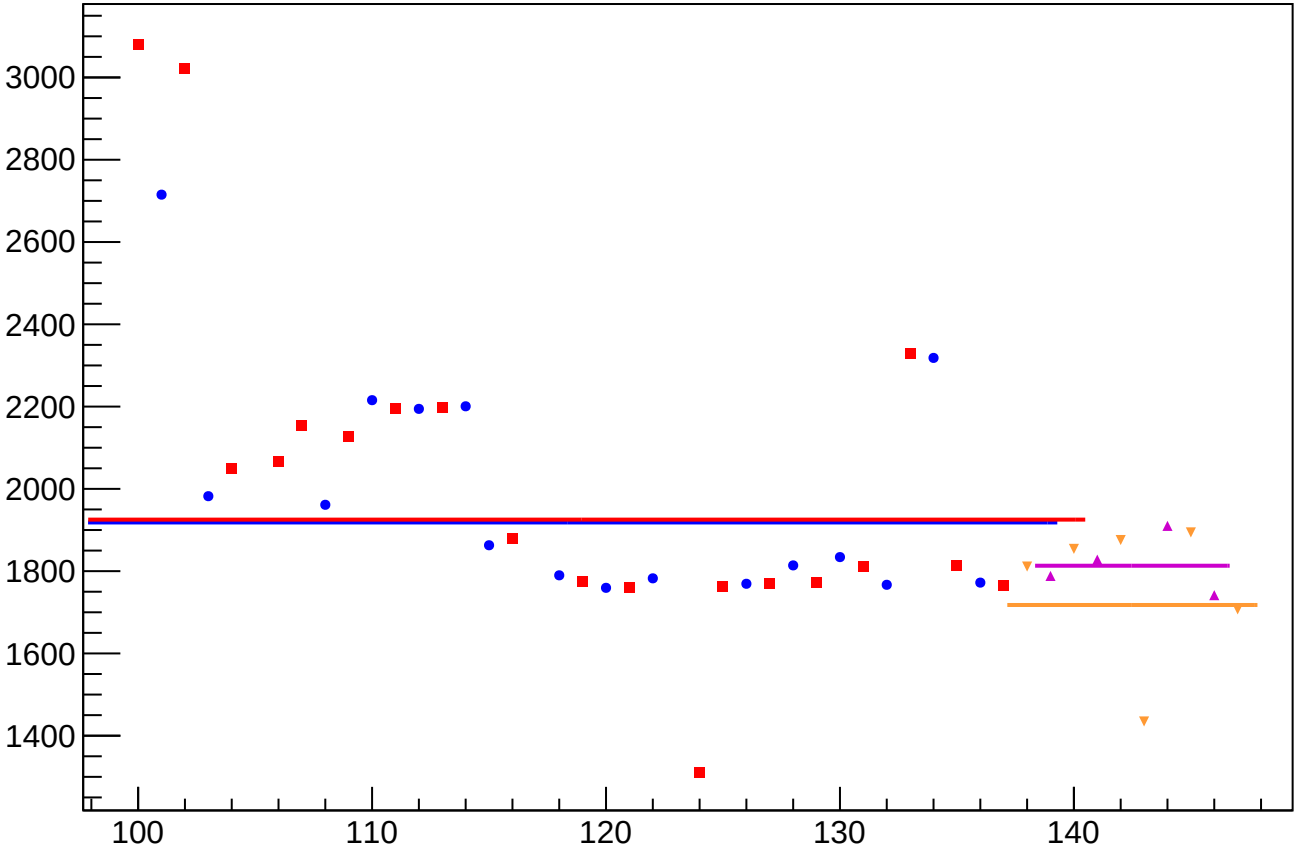
Left In: -3047.589+/-965.177 χ^2/NDF:1.3/3

+ sign 2086.736+/-538.135 χ^2/NDF: 23.2/21

All: 46.188+/-393.896 χ^2/NDF: 73.8/44

- sign -2308.842+/-578.117 χ^2/NDF: 19.6/22

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.763+/-0.574 χ^2/NDF:97257.5/5

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

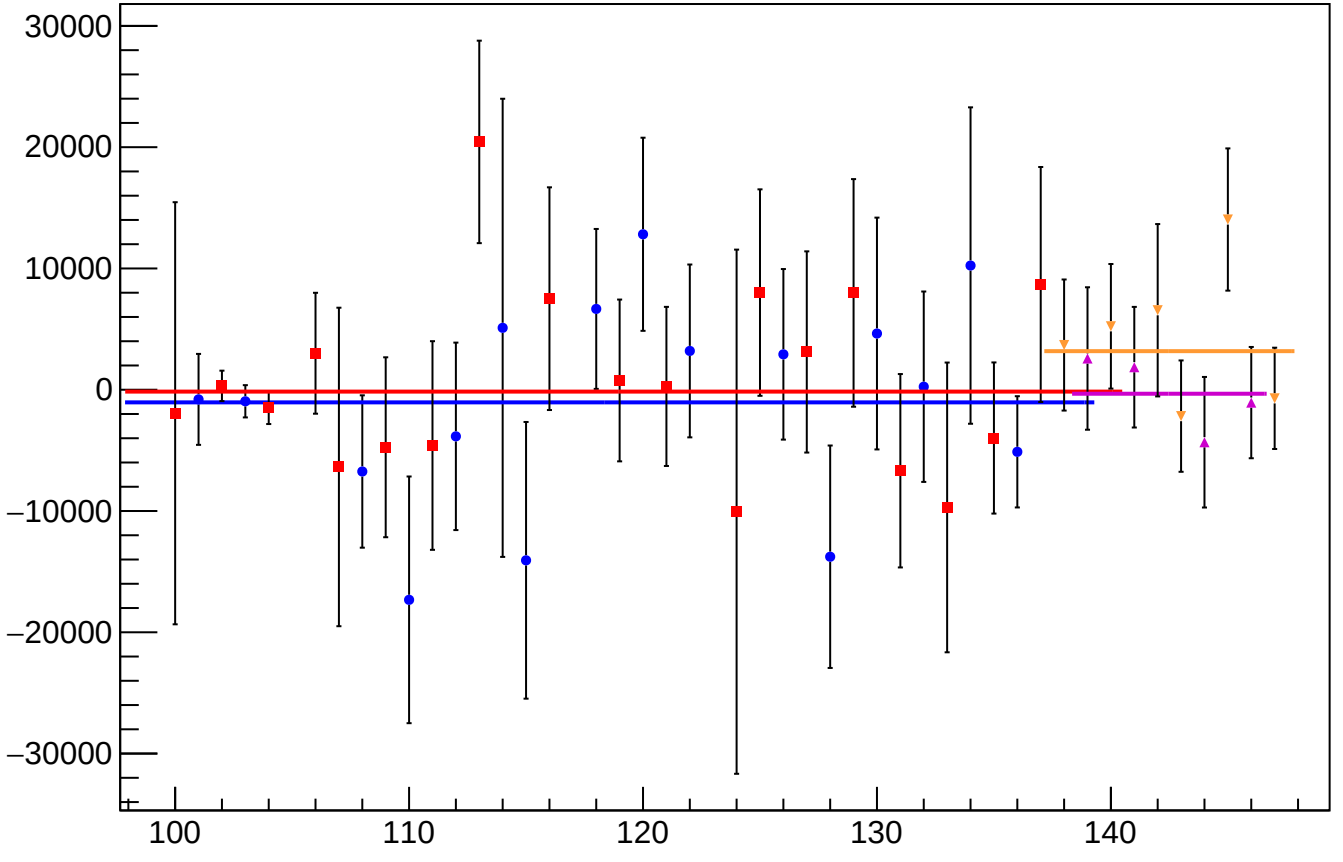
Left In: 1813.192+/-0.682 χ^2/NDF:8120.9/3

+ sign 1830.354+/-0.381 χ^2/NDF: 381288.6/21

All: 1855.780+/-0.278 χ^2/NDF: 755416.7/44

- sign 1885.095+/-0.409 χ^2/NDF: 364515.2/22

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 3181.673+/-2104.348 χ^2/NDF:6.0/5

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

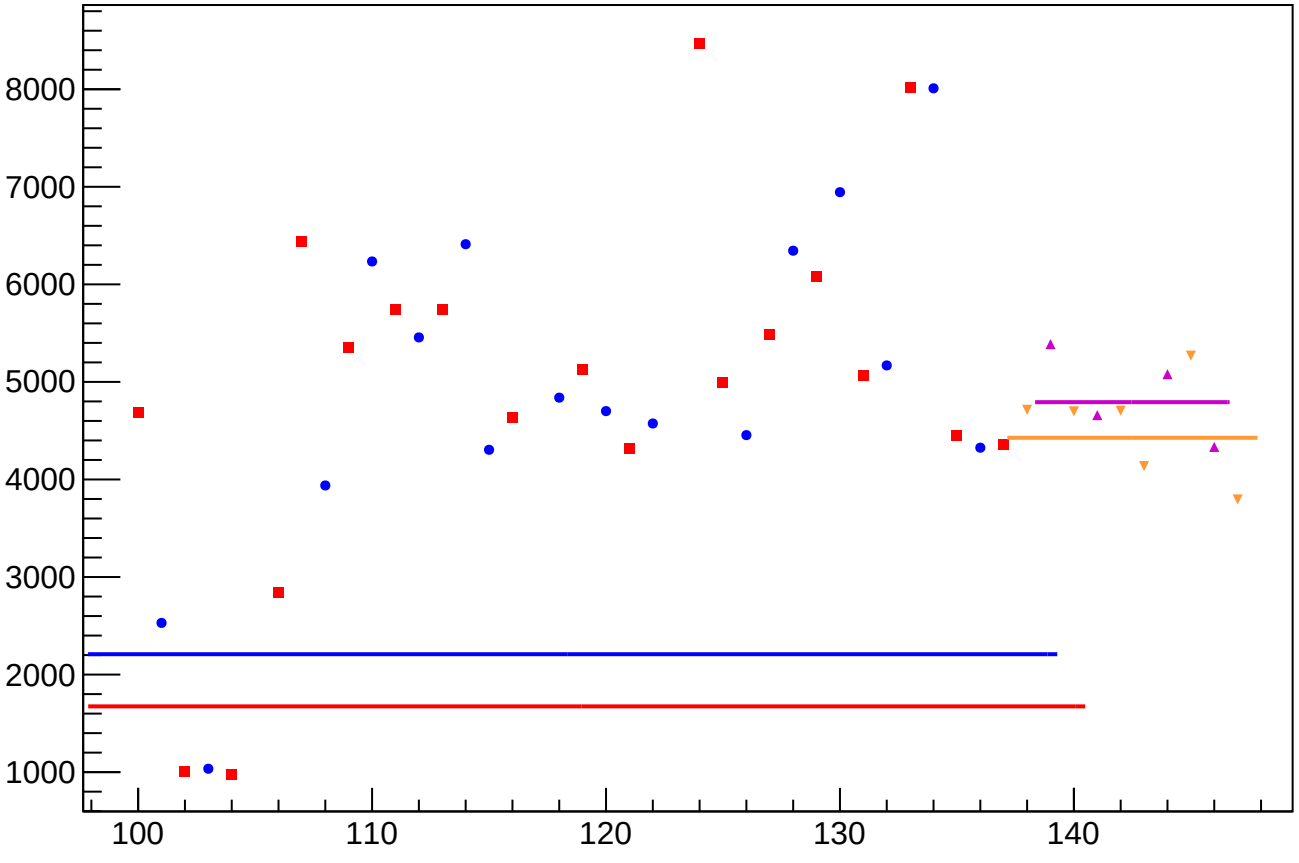
Left In: -329.957+/-2569.716 χ^2/NDF:1.0/3

+ sign -171.155+/-955.486 χ^2/NDF: 23.1/21

All: -170.755+/-610.985 χ^2/NDF: 37.8/44

- sign -170.479+/-794.691 χ^2/NDF: 14.7/22

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4427.462+/-1.488 χ^2/NDF:109285.4/5

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

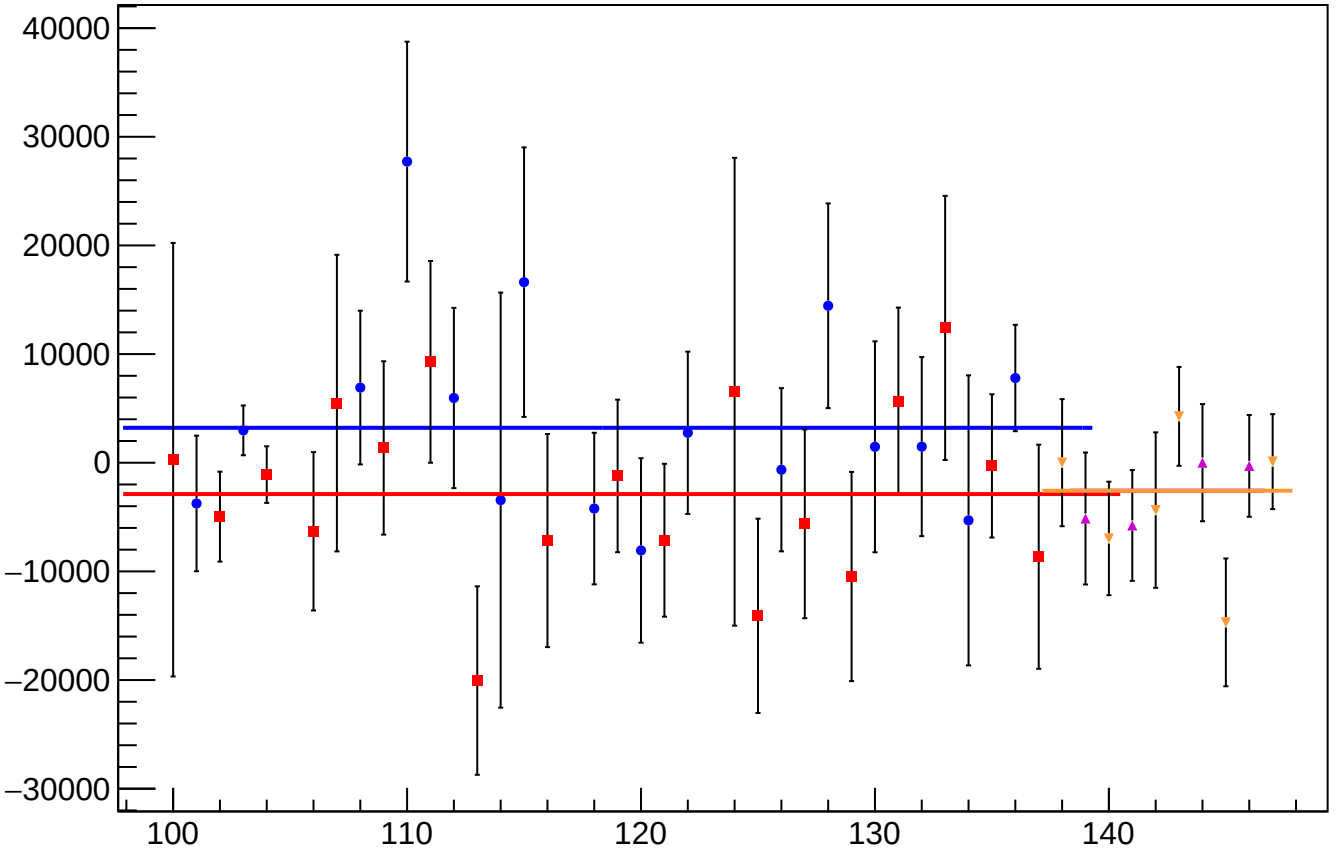
Left In: 4792.562+/-1.817 χ^2/NDF:47614.6/3

+ sign 2666.297+/-0.676 χ^2/NDF: 7372963.2/21

All: 2256.130+/-0.432 χ^2/NDF: 17560871.9/4

- sign 1972.397+/-0.562 χ^2/NDF: 9564403.5/22

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -2574.484+/-2156.608 χ^2/NDF:7.8/5

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

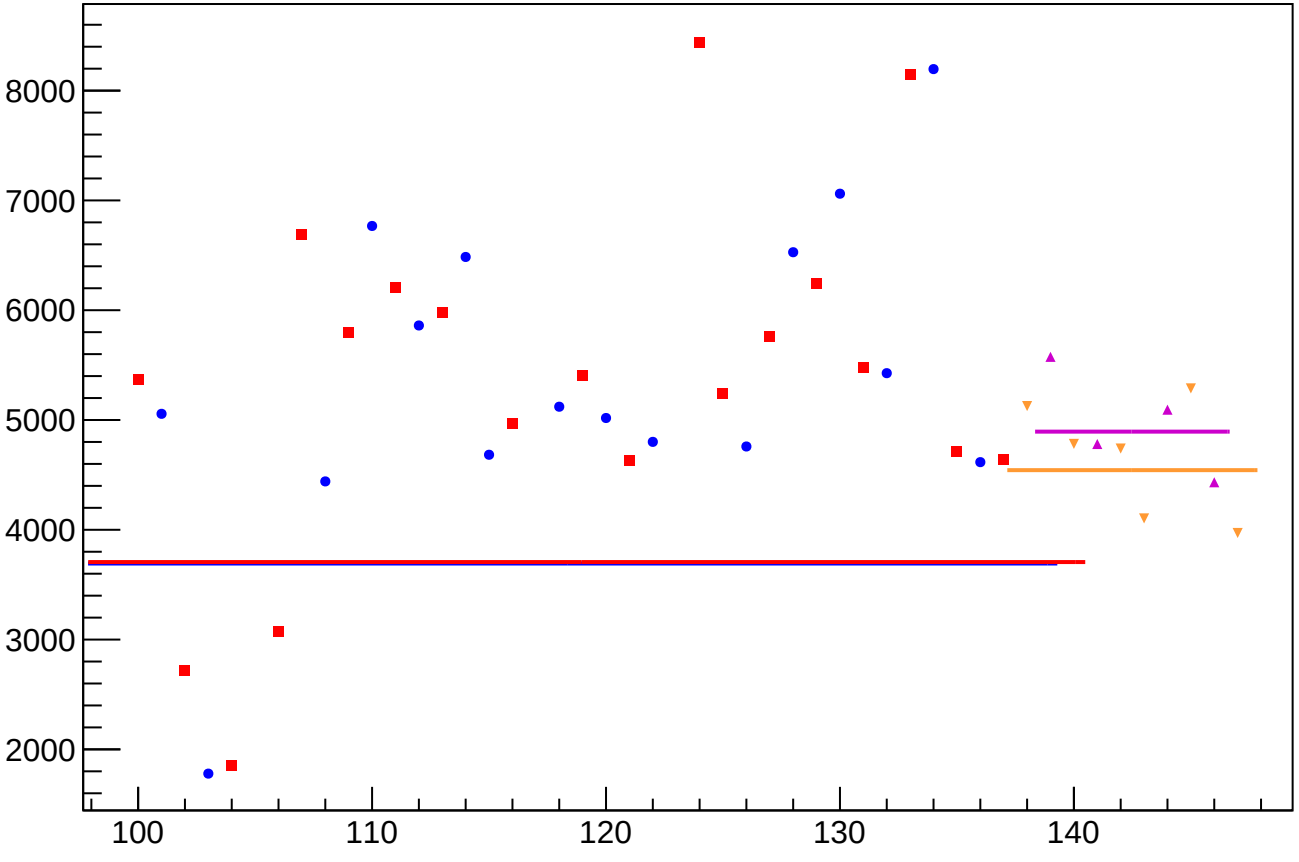
Left In: -2571.654+/-2621.034 χ^2/NDF:1.0/3

+ sign 1261.526+/-1252.871 χ^2/NDF: 26.4/21

All: -640.841+/-913.735 χ^2/NDF: 45.8/44

- sign -2802.470+/-1335.518 χ^2/NDF: 14.4/22

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4543.162+/-1.525 χ^2/NDF:110668.0/5

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

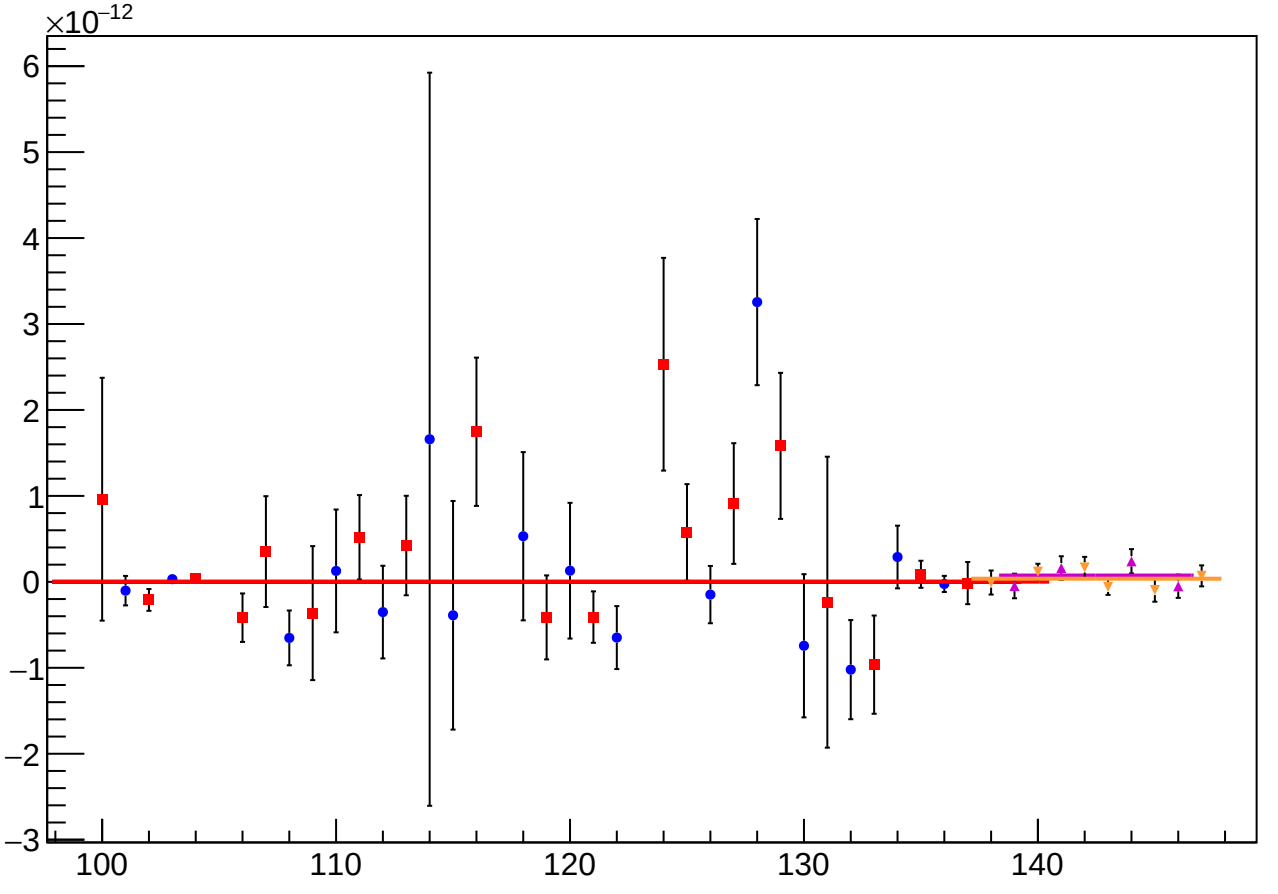
Left In: 4894.028+/-1.853 χ^2/NDF:48295.6/3

\+ sign 3979.805+/-0.886 χ^2/NDF: 3202326.1/21

All: 3994.027+/-0.644 χ^2/NDF: 6241450.5/44

\- sign 4009.948+/-0.937 χ^2/NDF: 3038578.2/22

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:4.1/5

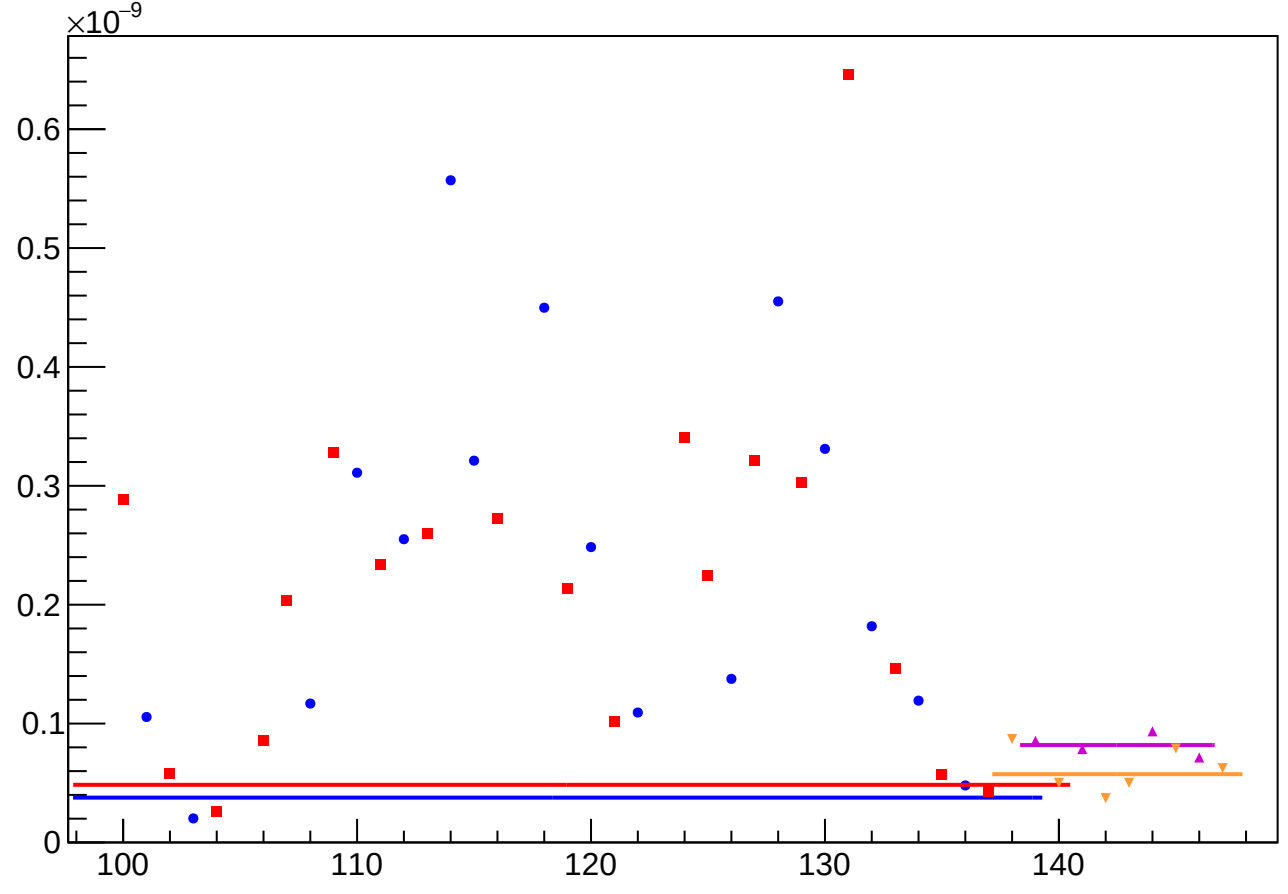
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/21

All: 0.000+/-0.000 χ^2/NDF: 62.2/44

- sign 0.000+/-0.000 χ^2/NDF: 32.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:221012.1/5

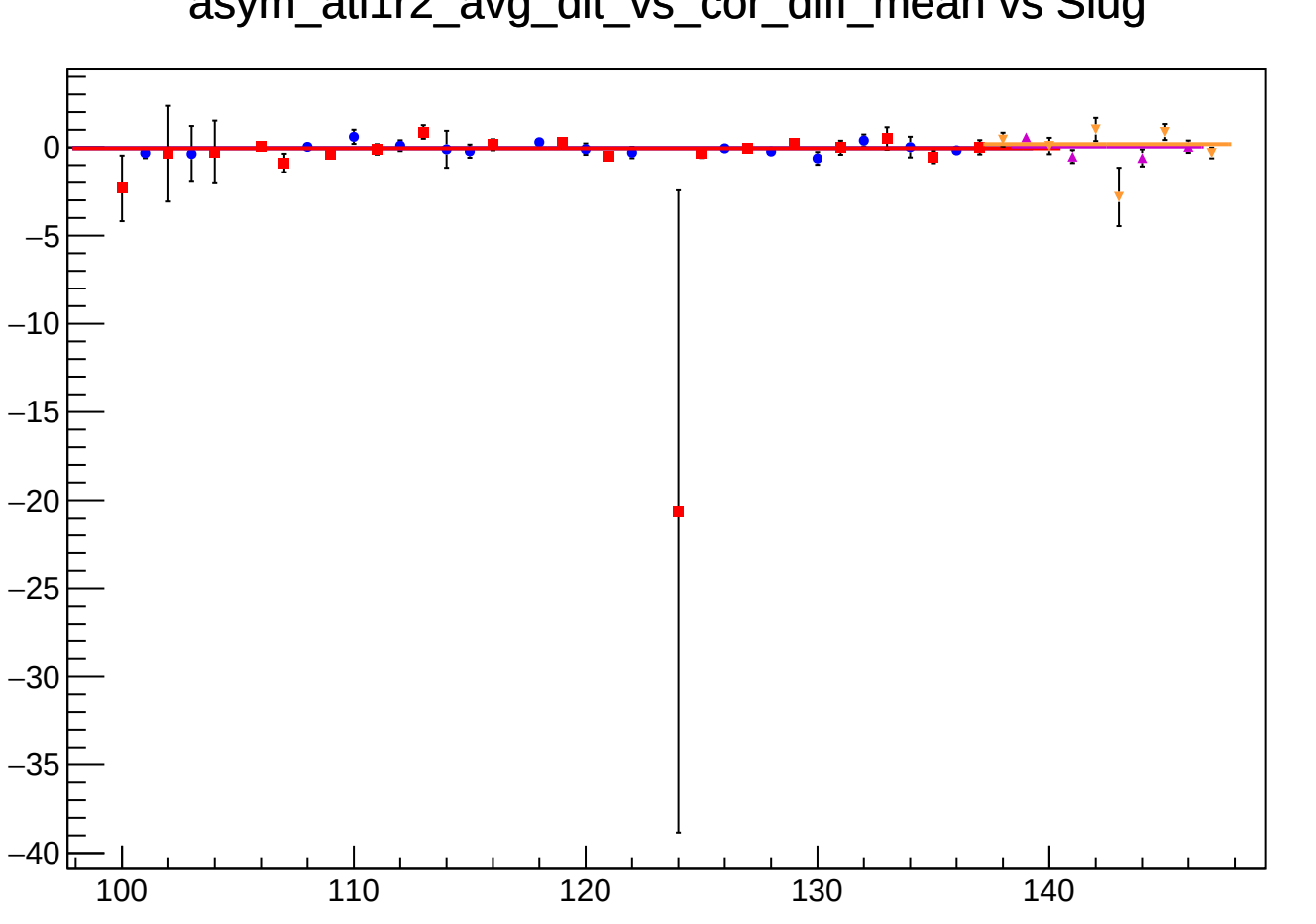
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27720.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3587282.5/21

All: 0.000+/-0.000 χ^2/NDF: 6988895.4/44

- sign 0.000+/-0.000 χ^2/NDF: 3249470.7/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

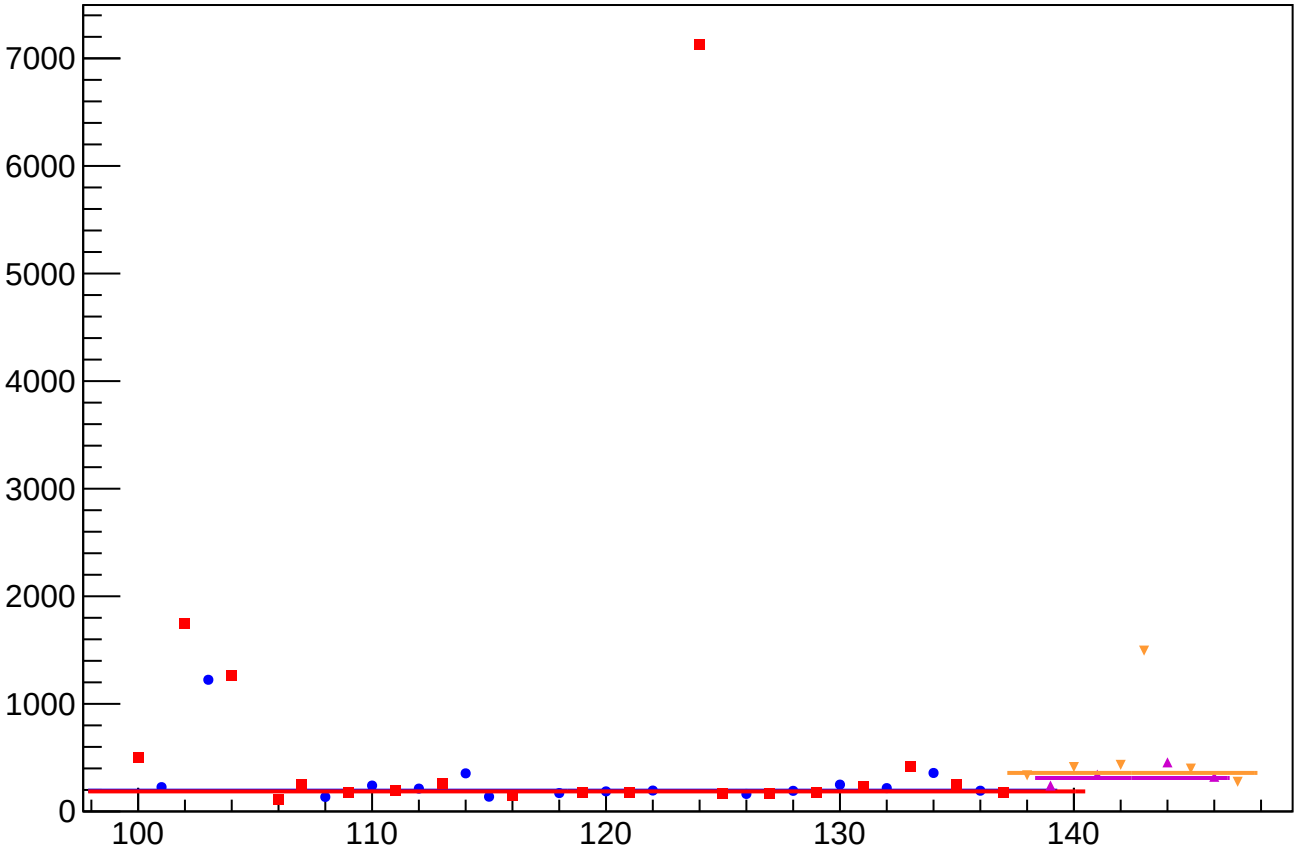
Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.019+/-0.051 χ^2/NDF: 54.5/44

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 358.253+/-0.130 χ^2/NDF:1166616.9/5

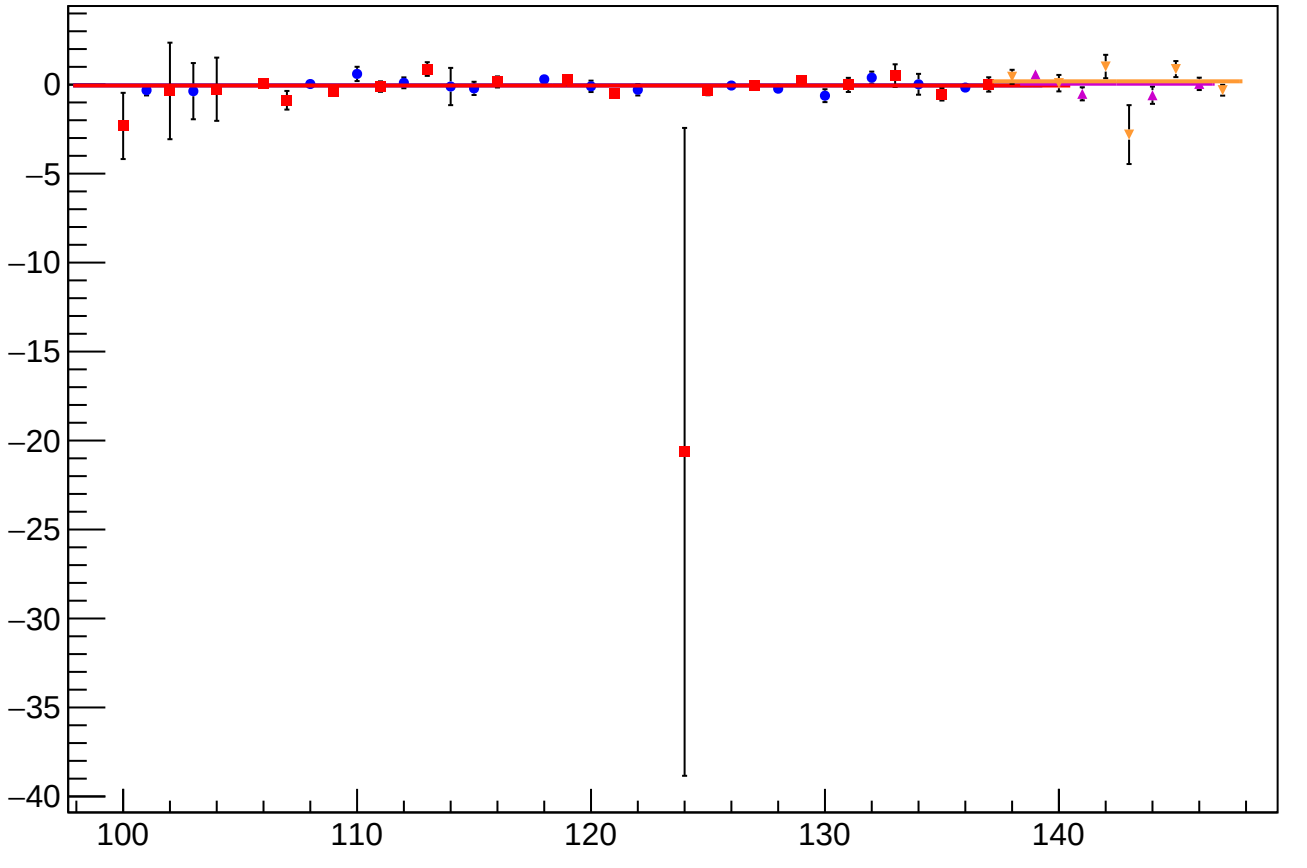
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

+ sign 218.277+/-0.051 χ^2/NDF: 3941184.4/21

All: 213.037+/-0.036 χ^2/NDF: 7629872.3/44

- sign 207.784+/-0.051 χ^2/NDF: 3667251.2/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

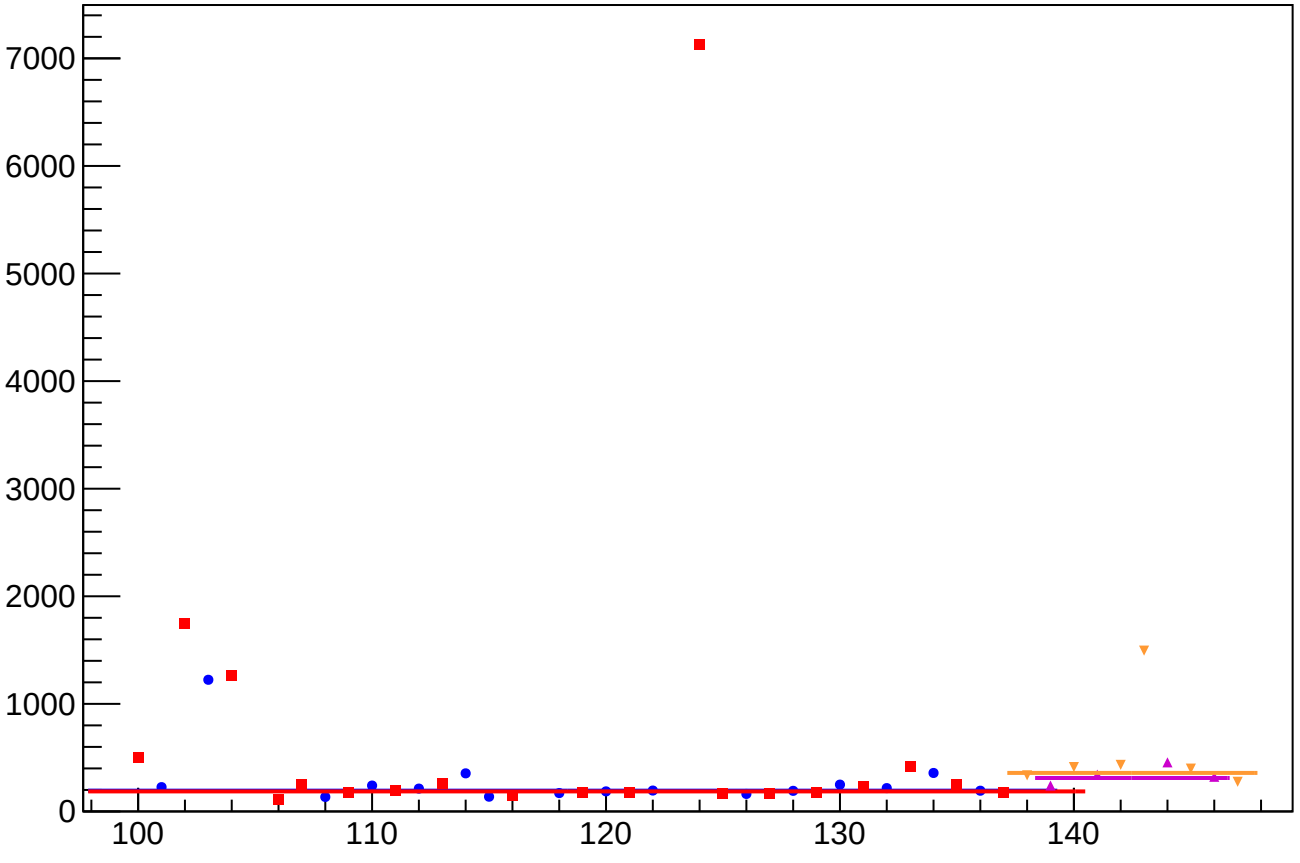
Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.019+/-0.051 χ^2/NDF: 54.5/44

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22

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: 358.253+/-0.130 χ^2/NDF:1166616.9/5

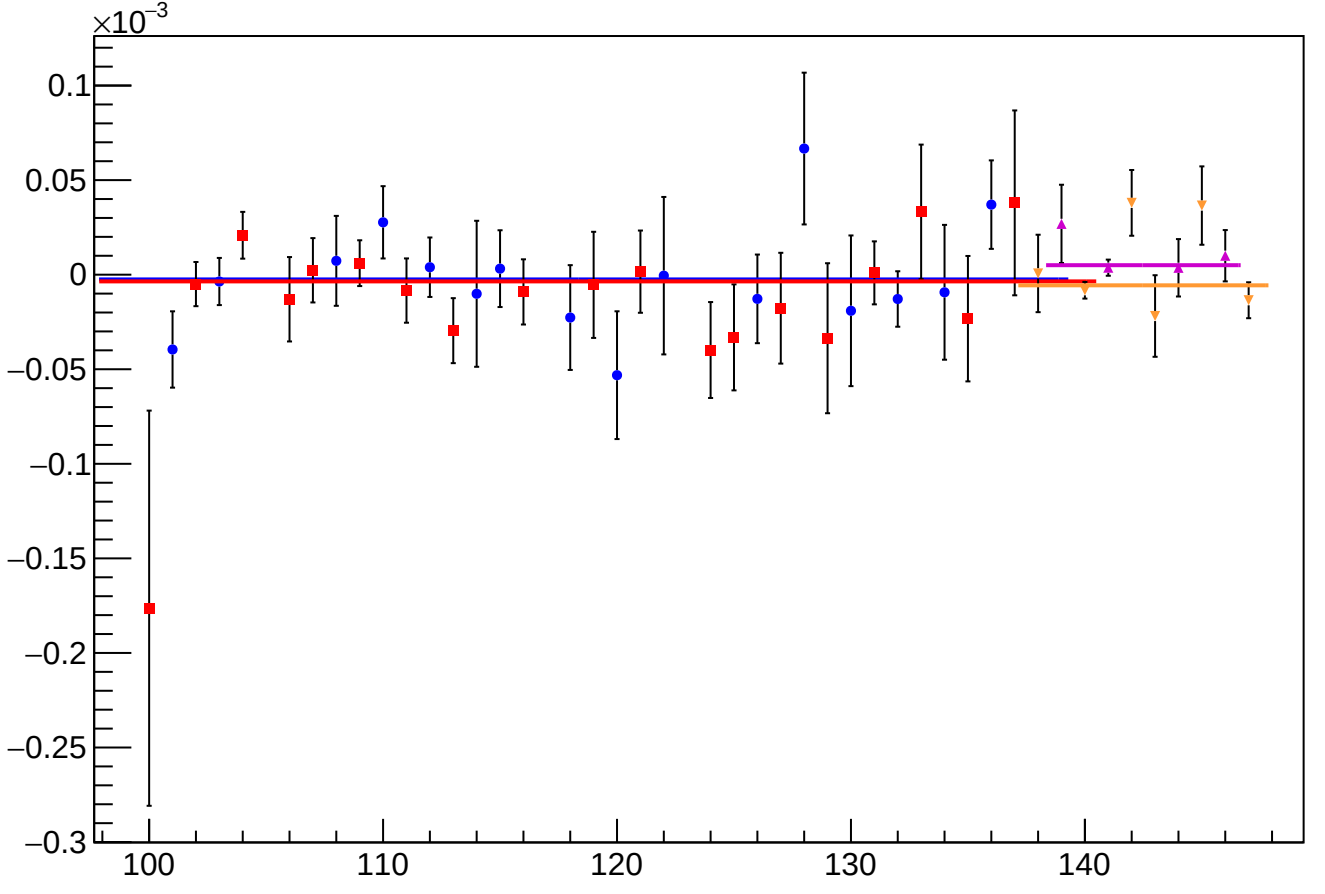
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

+ sign 218.277+/-0.051 χ^2/NDF: 3941184.4/21

All: 213.037+/-0.036 χ^2/NDF: 7629872.3/44

- sign 207.784+/-0.051 χ^2/NDF: 3667251.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

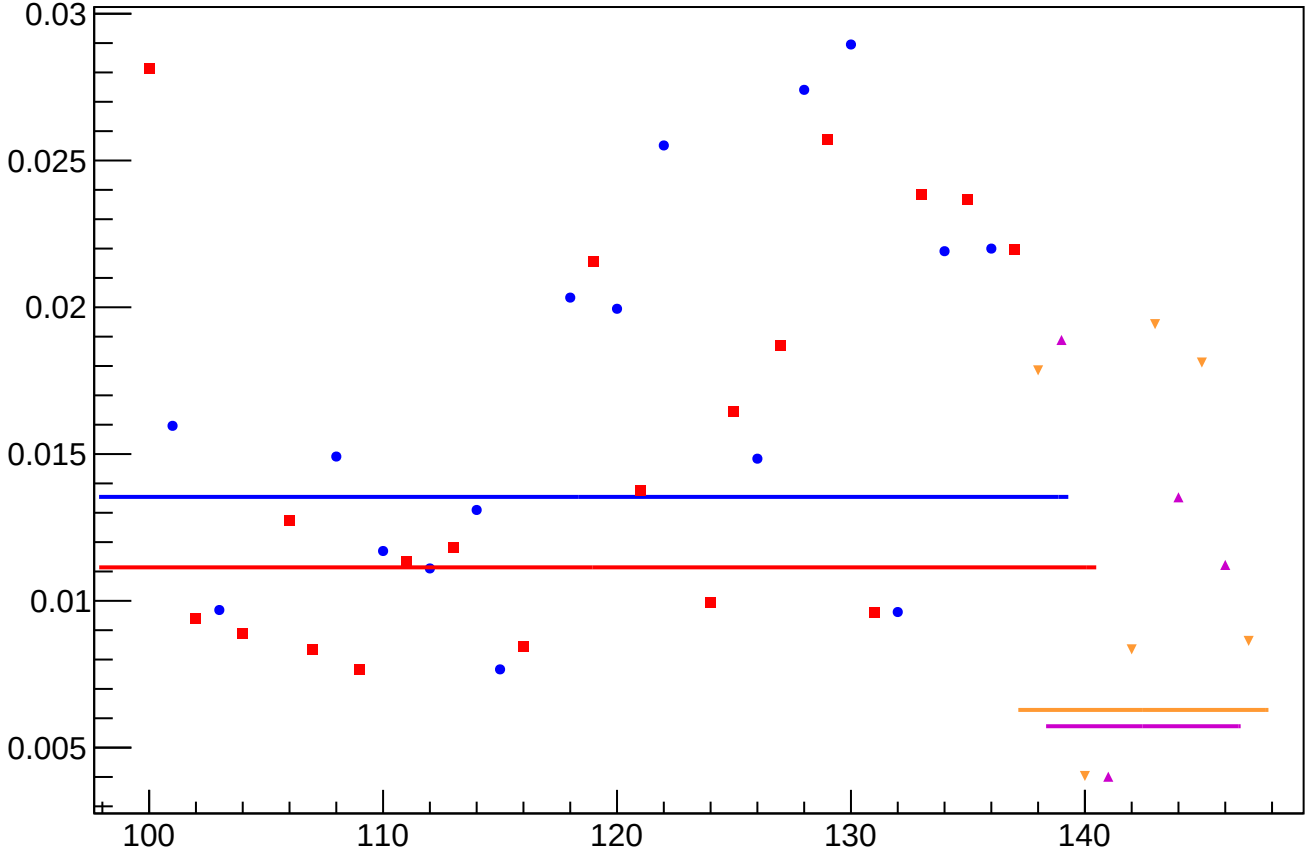
Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/21

All: -0.000+/-0.000 χ^2/NDF: 50.0/44

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2707682.0/5

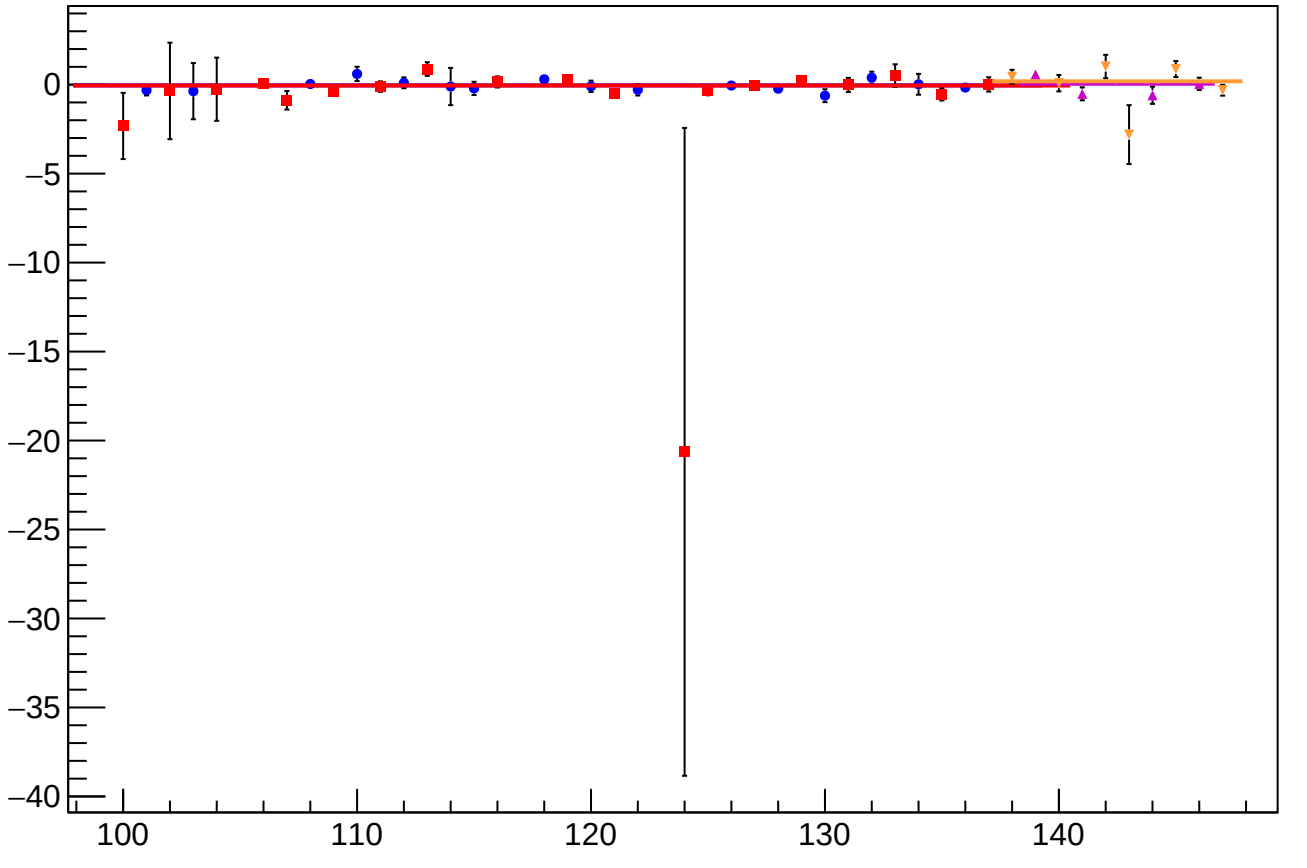
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1990624.2/3

+ sign 0.009+/-0.000 χ^2/NDF: 7009969.6/21

All: 0.008+/-0.000 χ^2/NDF: 12601225.5/44

- sign 0.008+/-0.000 χ^2/NDF: 5560058.7/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

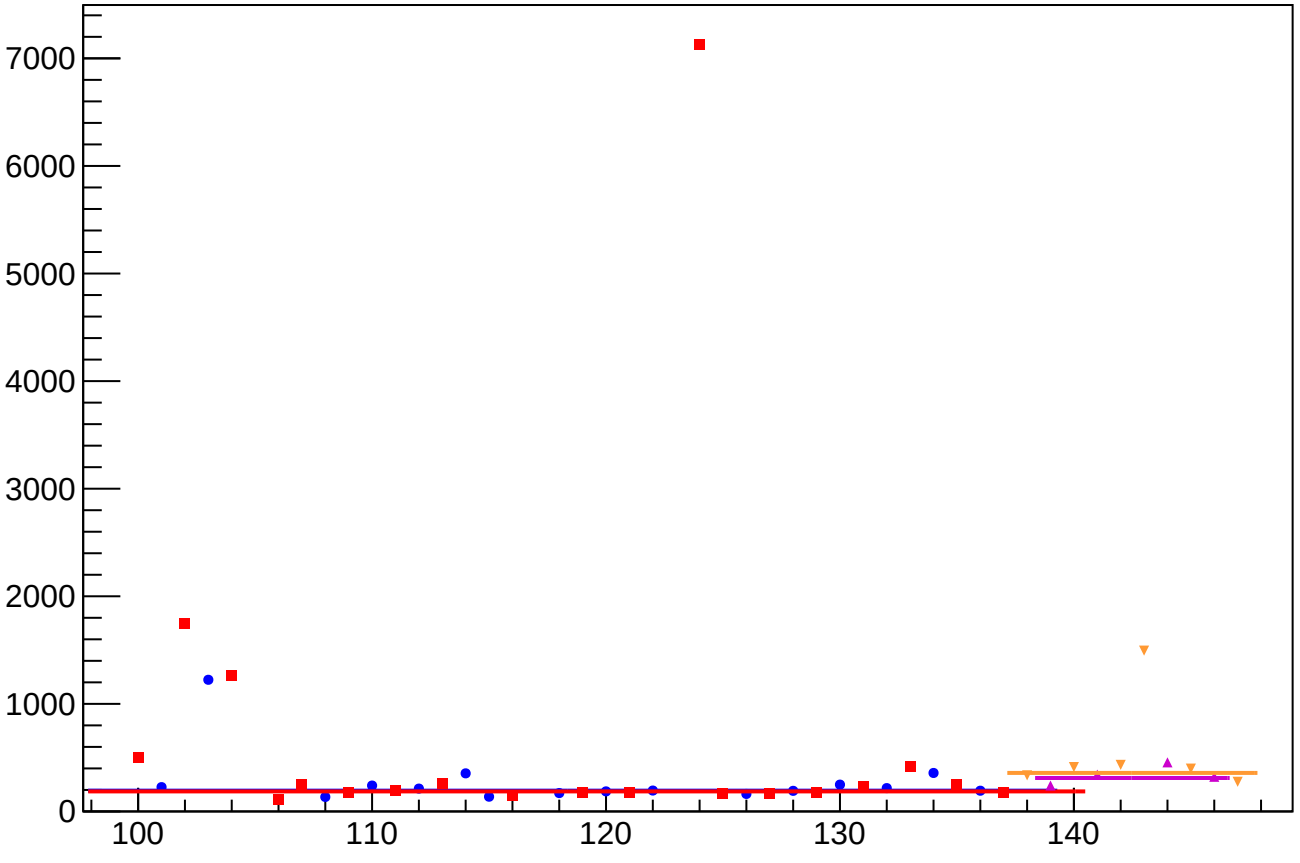
Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.019+/-0.051 χ^2/NDF: 54.5/44

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22

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: 358.257+/-0.130 χ^2/NDF:1166593.2/5

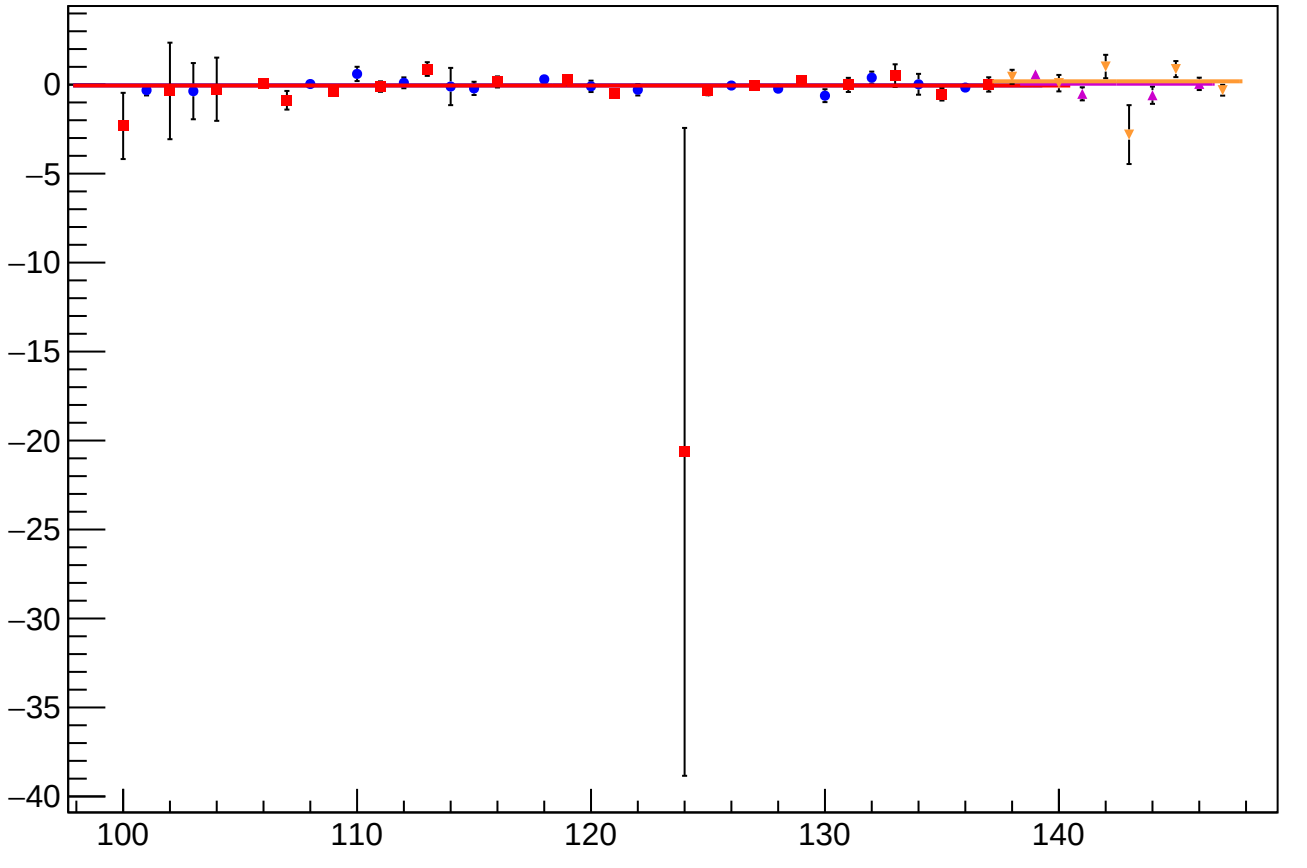
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

+ sign 218.275+/-0.051 χ^2/NDF: 3941226.1/21

All: 213.036+/-0.036 χ^2/NDF: 7630007.3/44

- sign 207.782+/-0.051 χ^2/NDF: 3667342.2/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

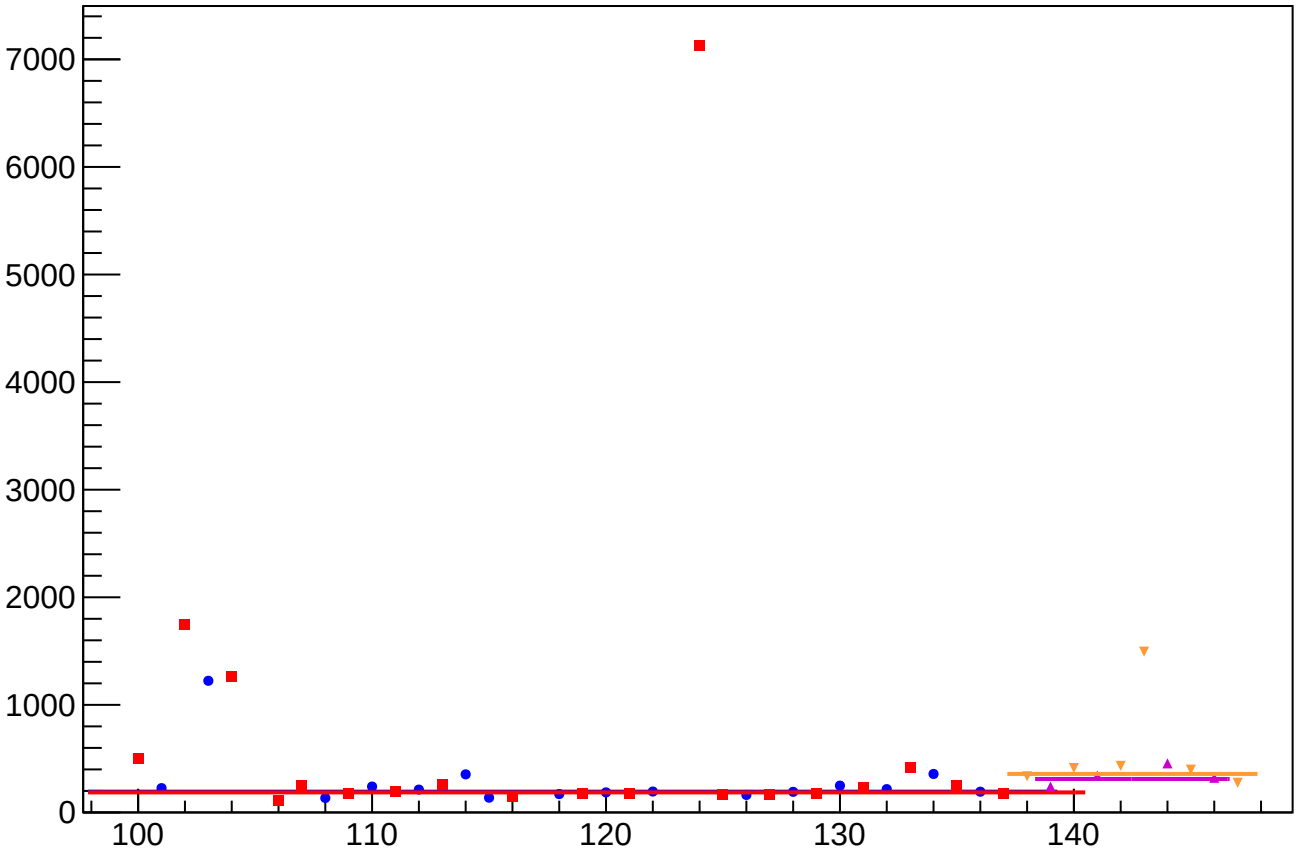
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.019+/-0.051 χ^2/NDF: 54.5/44

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 358.257+/-0.130 χ^2/NDF:1166593.2/5

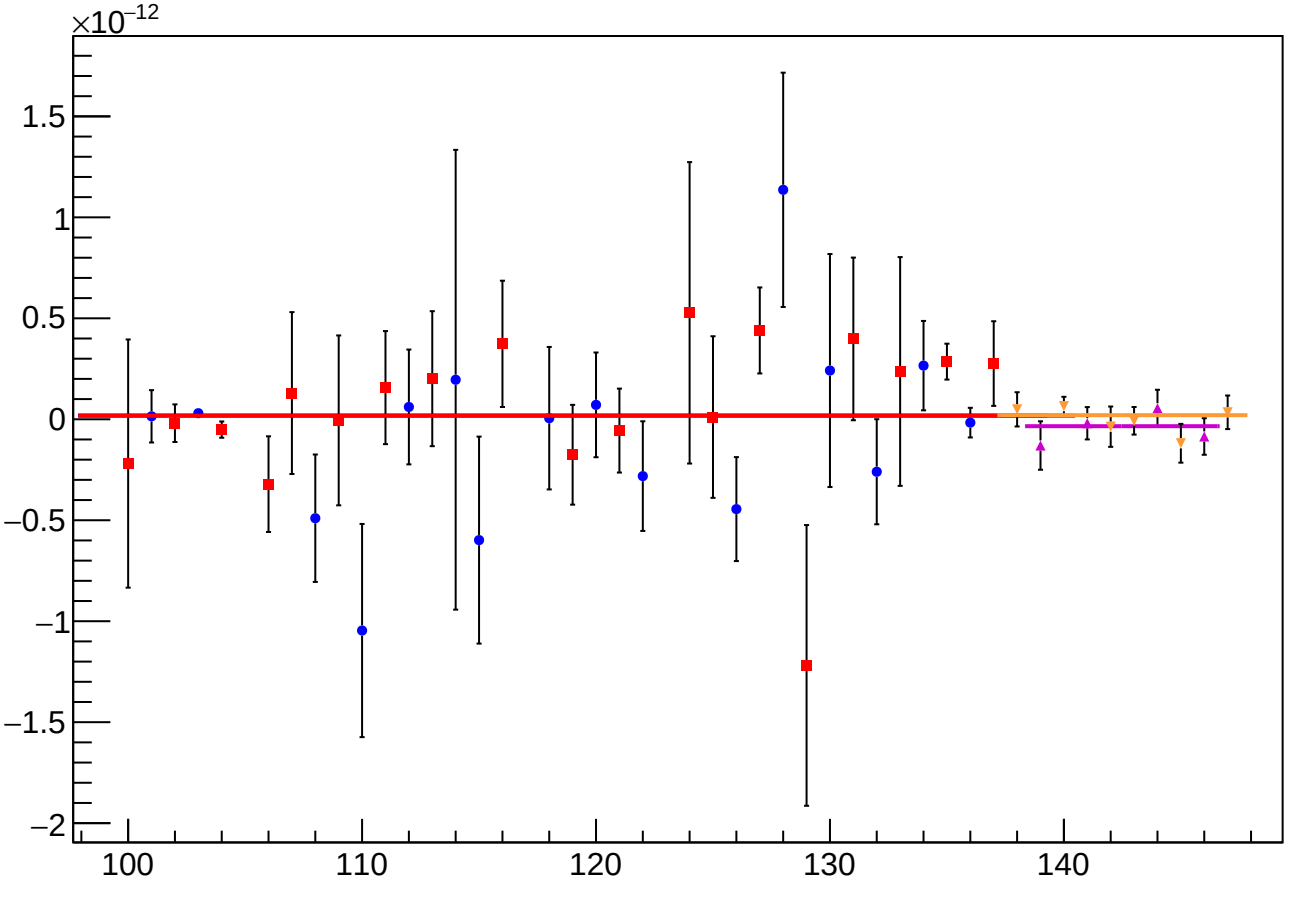
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

+ sign 218.275+/-0.051 χ^2/NDF: 3941226.1/21

All: 213.036+/-0.036 χ^2/NDF: 7630007.3/44

- sign 207.782+/-0.051 χ^2/NDF: 3667342.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

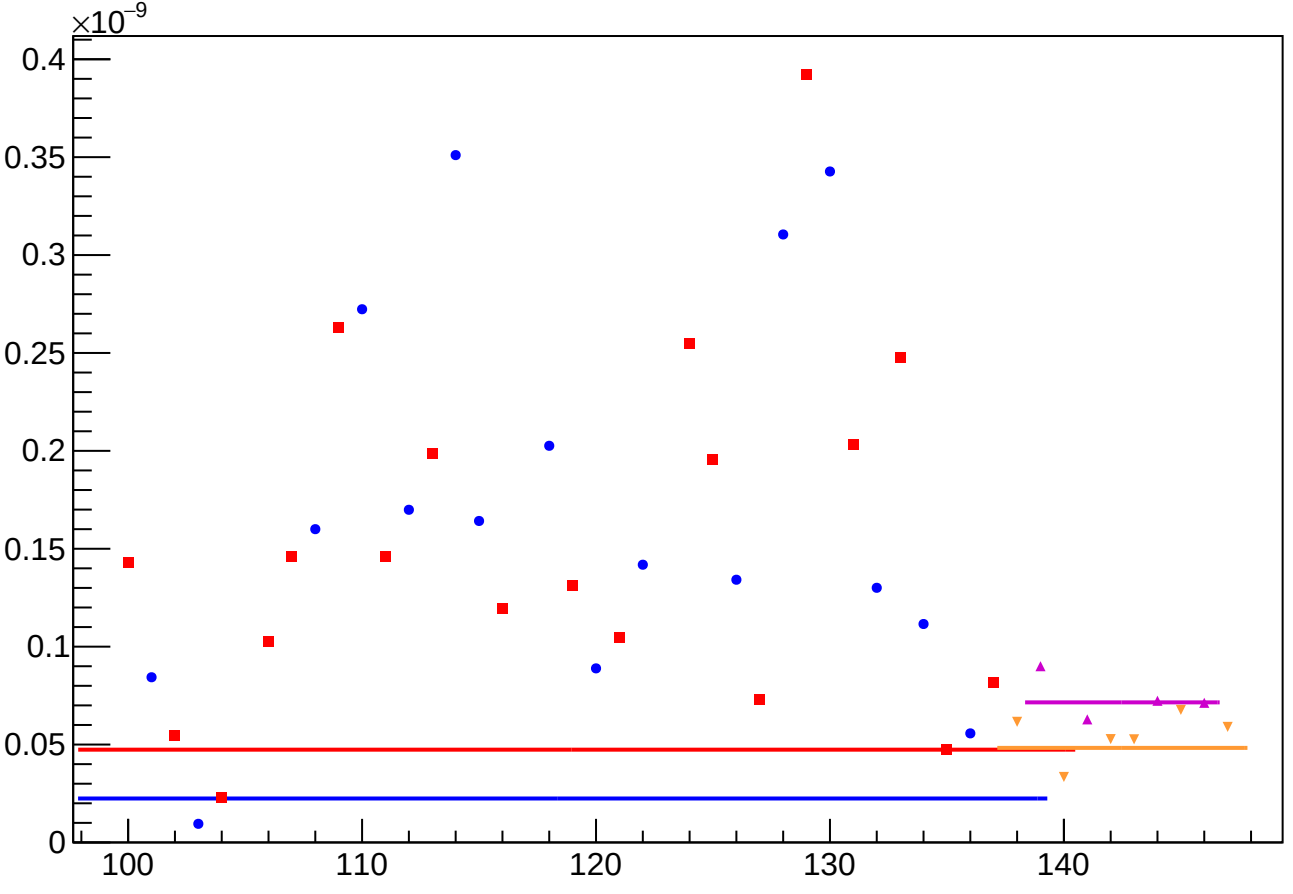
Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/21

All: 0.000+/-0.000 χ^2/NDF: 53.3/44

- sign 0.000+/-0.000 χ^2/NDF: 29.9/22

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:381195.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

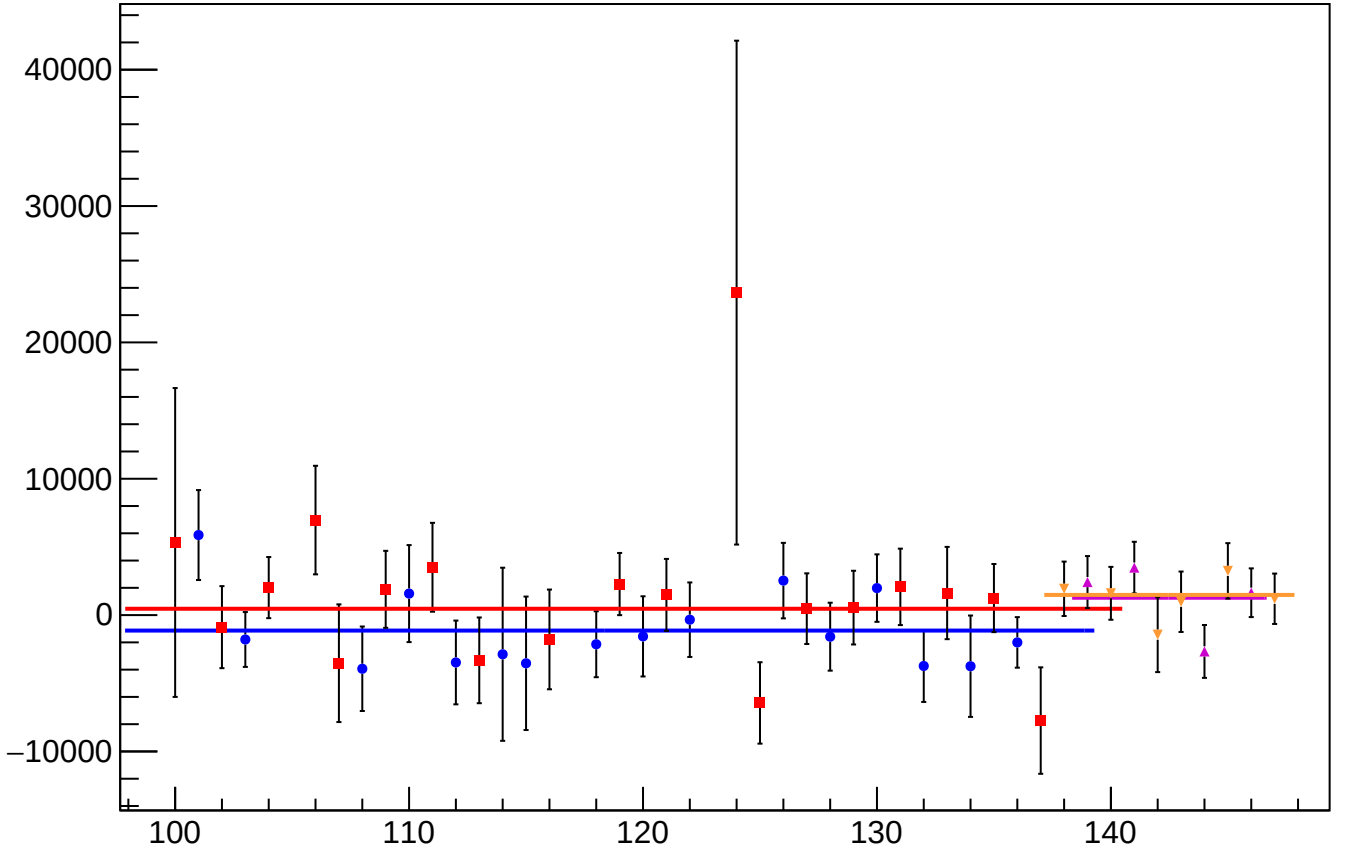
Left In: 0.000+/-0.000 χ^2/NDF:71055.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 7836831.7/21

All: 0.000+/-0.000 χ^2/NDF: 13717793.6/44

- sign 0.000+/-0.000 χ^2/NDF: 4681532.3/22

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.731+/-848.570 χ^2/NDF:2.0/5

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

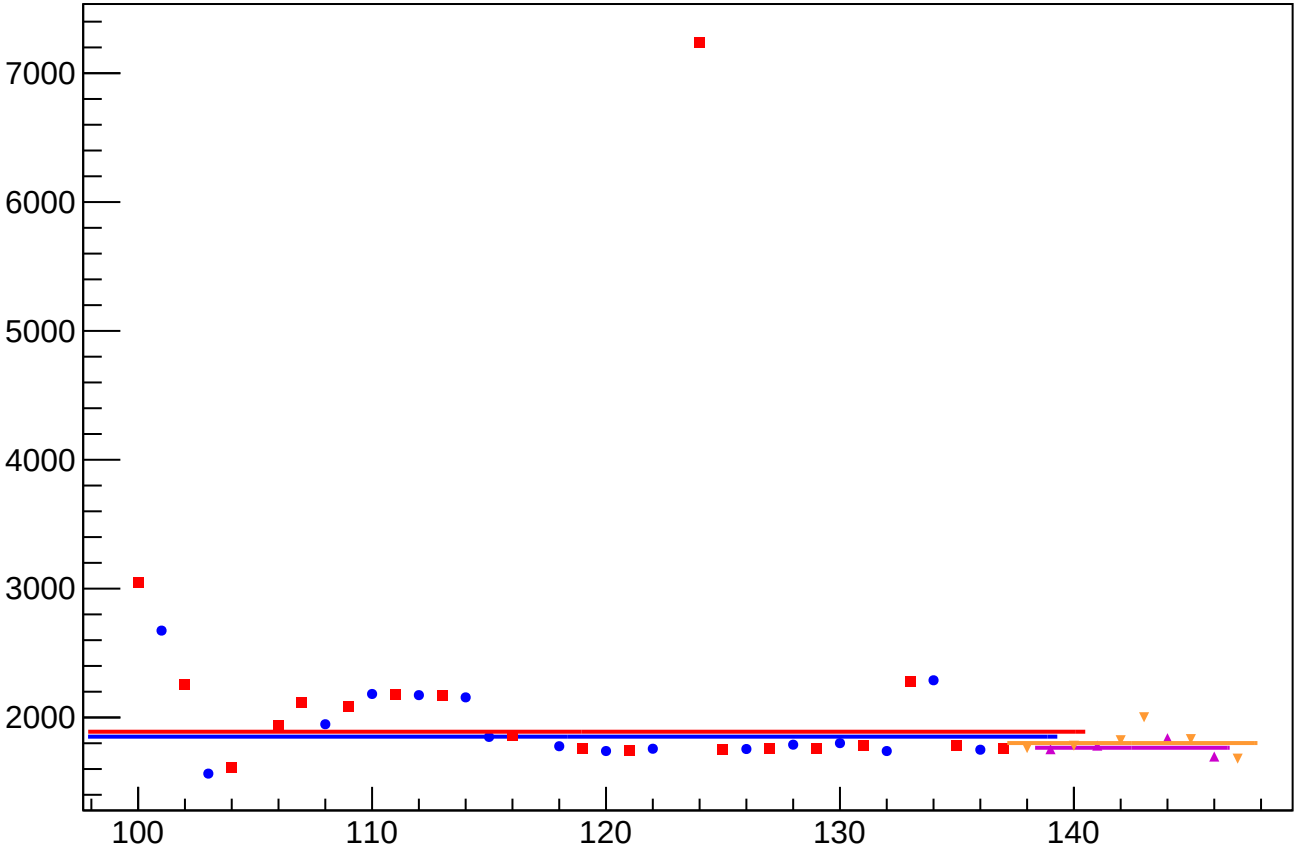
Left In: 1273.256+/-939.296 χ^2/NDF:5.9/3

+ sign -87.207+/-537.113 χ^2/NDF: 19.9/21

All: 314.090+/-389.060 χ^2/NDF: 47.5/44

- sign 757.072+/-564.321 χ^2/NDF: 26.4/22

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1801.528+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

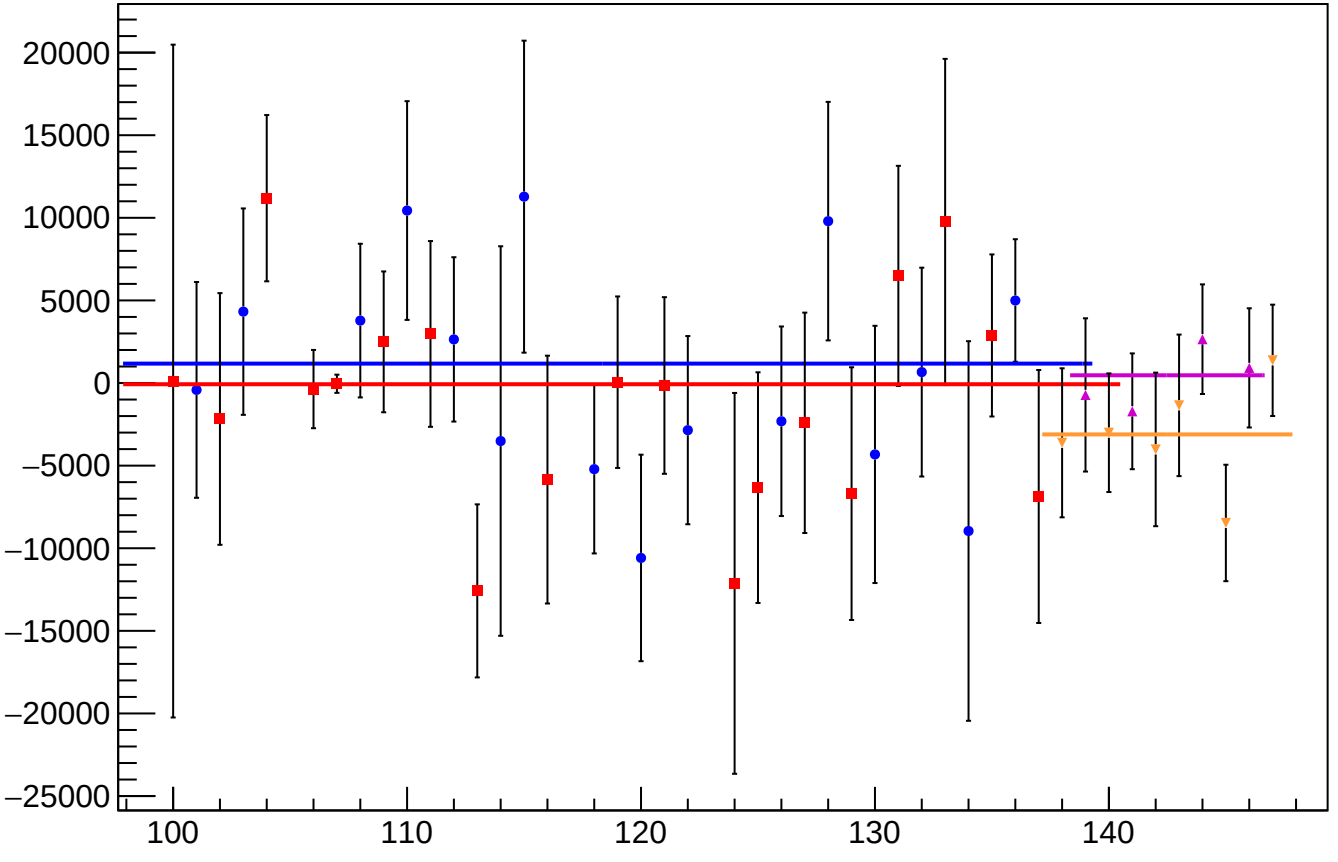
Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

+ sign 1831.258+/-0.380 χ^2/NDF: 290568.5/21

All: 1837.671+/-0.275 χ^2/NDF: 678627.5/44

- sign 1844.729+/-0.398 χ^2/NDF: 387460.1/22

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3110.190+/-1588.933 χ^2/NDF:4.3/5

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

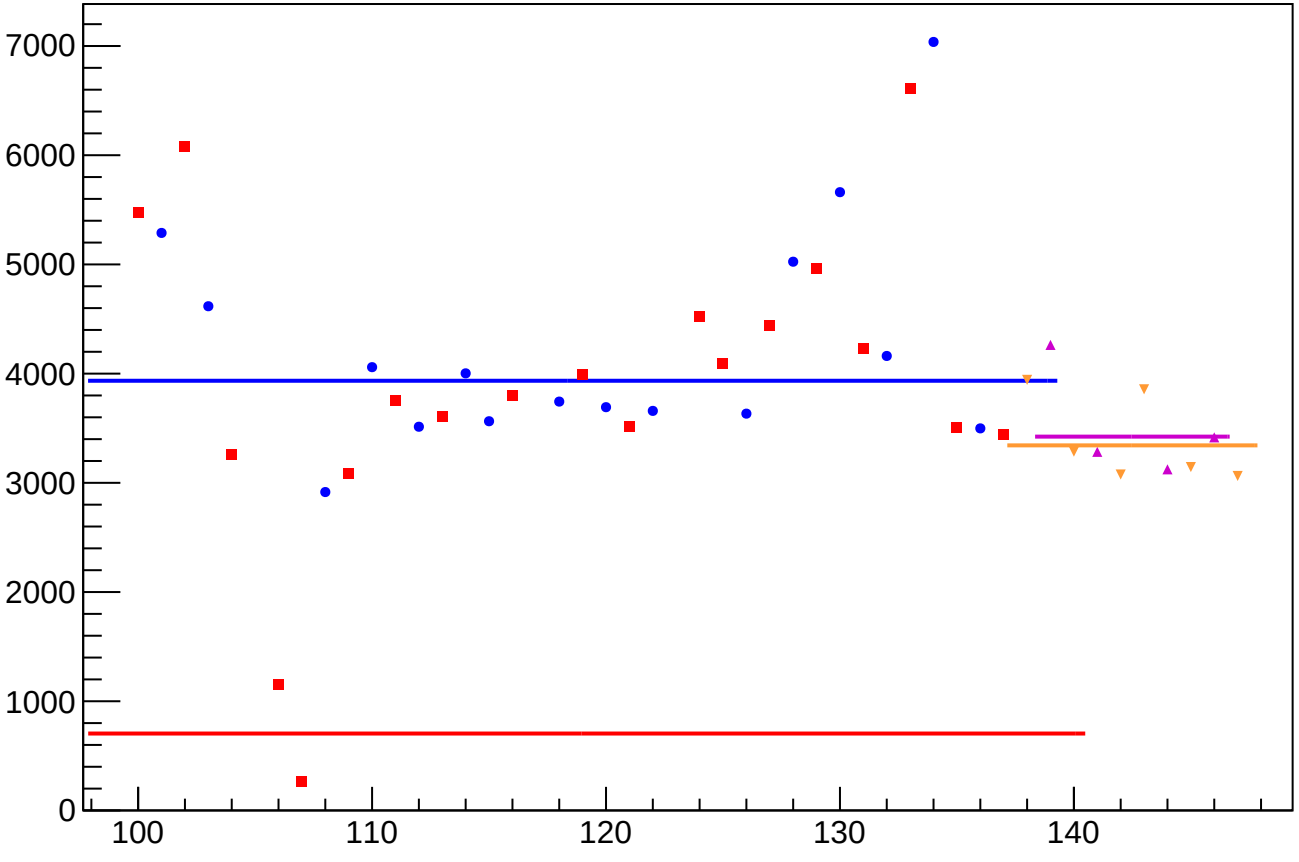
Left In: 468.812+/-1839.338 χ^2/NDF:0.9/3

\+ sign -847.124+/-1091.563 χ^2/NDF: 21.9/21

All: -169.784+/-445.202 χ^2/NDF: 41.2/44

\- sign -34.627+/-487.601 χ^2/NDF: 18.9/22

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3343.091+/-1.124 χ^2/NDF:91368.9/5

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

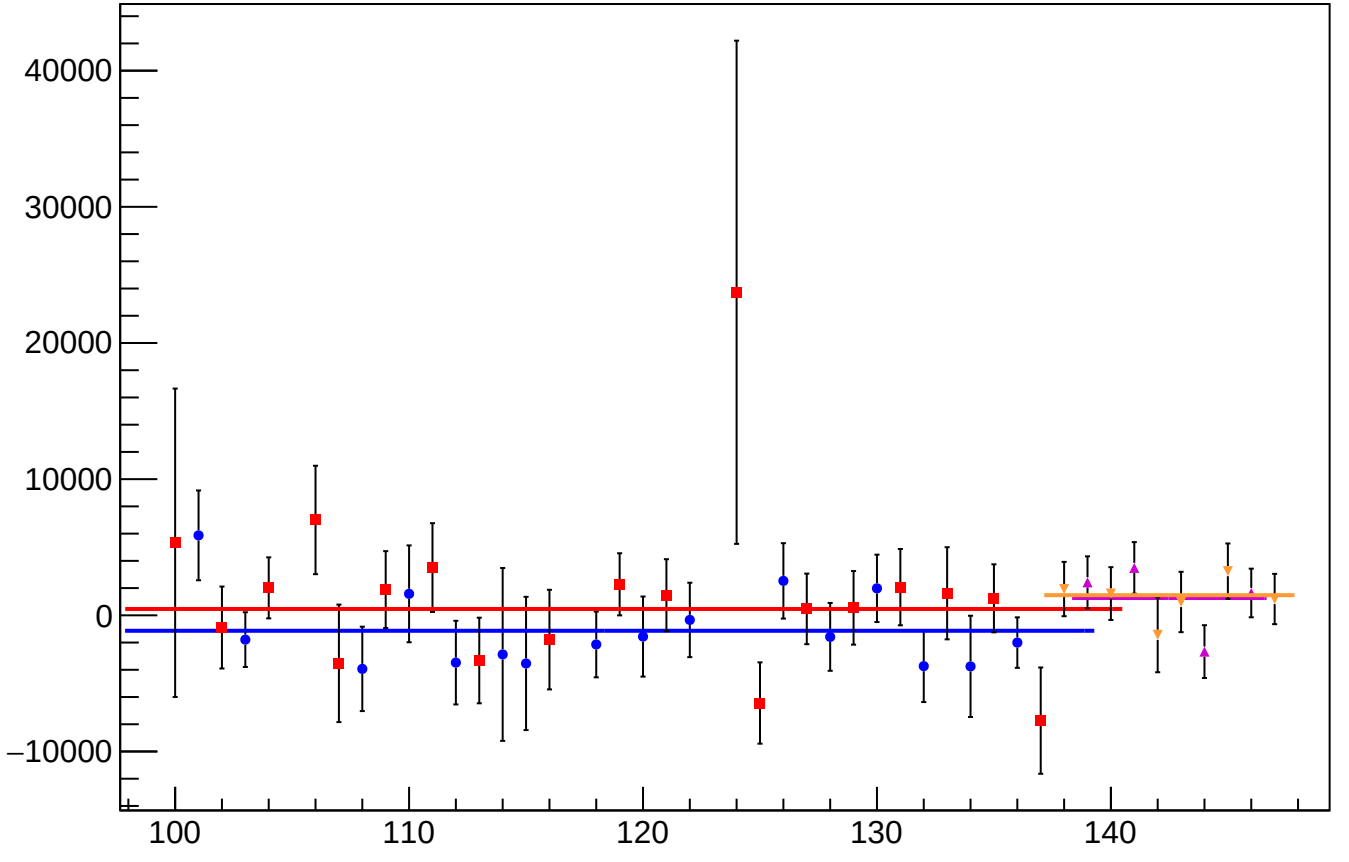
Left In: 3423.169+/-1.301 χ^2/NDF:85036.4/3

+ sign 3655.506+/-0.772 χ^2/NDF: 797913.8/21

All: 1354.578+/-0.315 χ^2/NDF: 26224157.5/4

- sign 895.450+/-0.345 χ^2/NDF: 14766338.2/22

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.663+/-848.570 χ^2/NDF:2.0/5

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

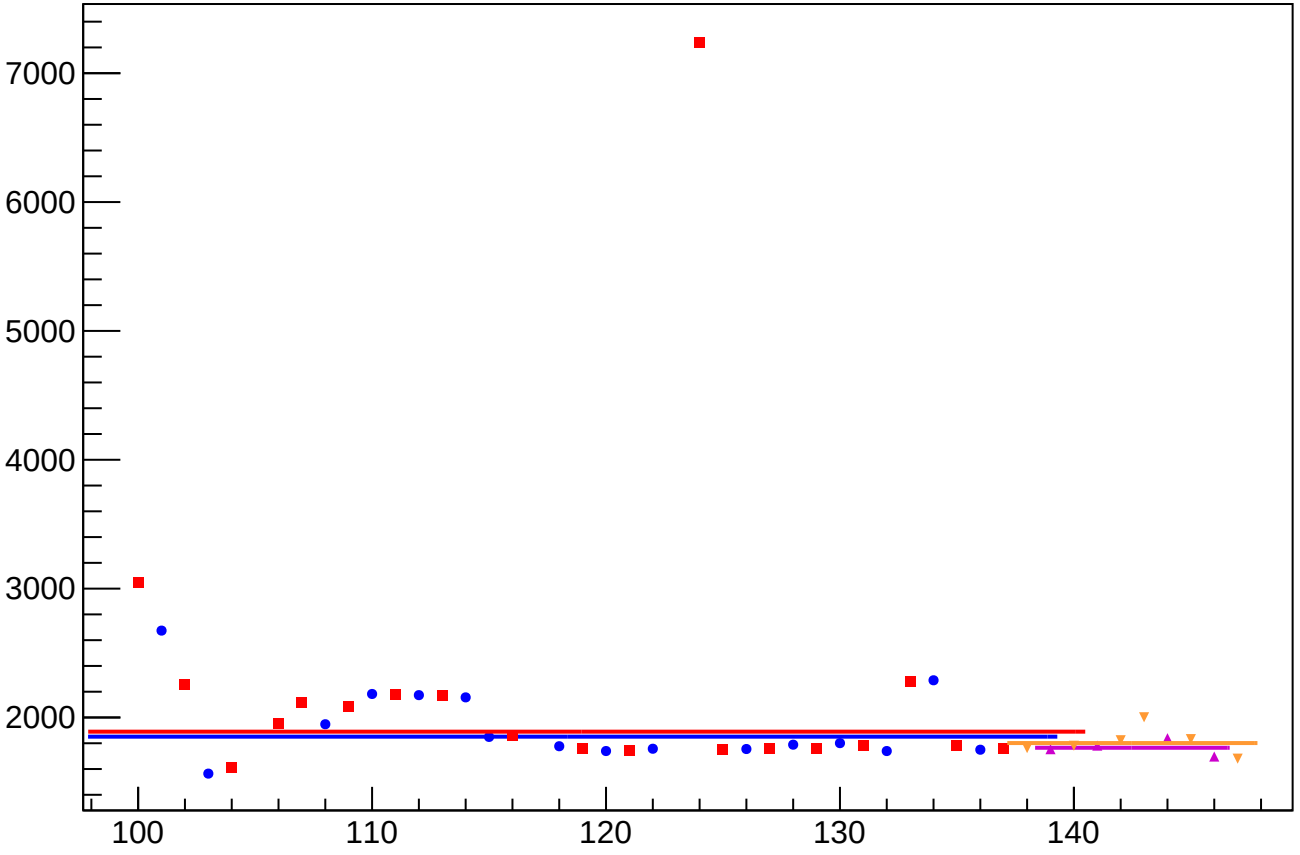
Left In: 1273.371+/-939.296 χ^2/NDF:5.9/3

\+ sign -86.978+/-537.113 χ^2/NDF: 19.9/21

All: 314.345+/-389.060 χ^2/NDF: 47.5/44

\- sign 757.357+/-564.322 χ^2/NDF: 26.4/22

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

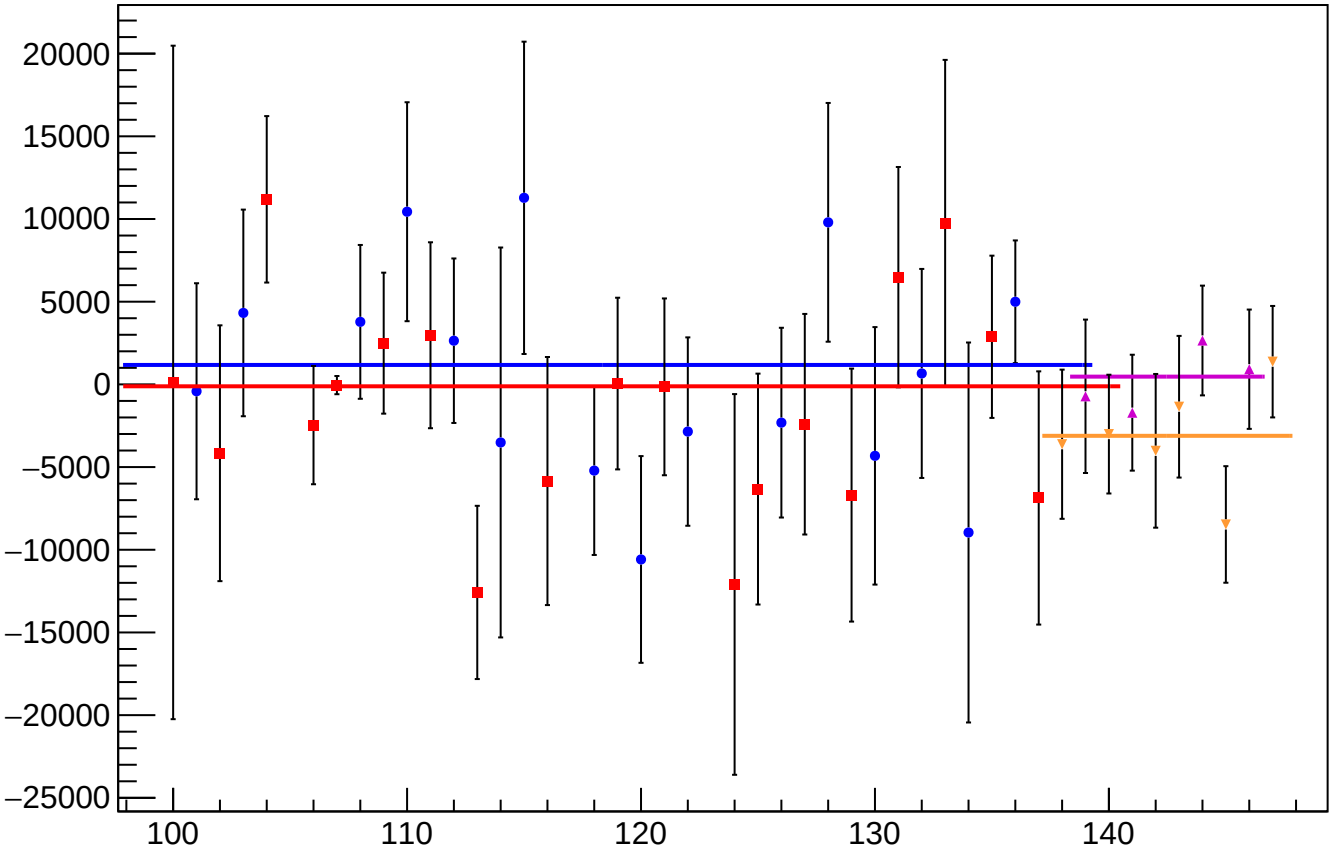
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

+ sign 1831.258+/-0.380 χ^2/NDF: 290567.7/21

All: 1837.803+/-0.275 χ^2/NDF: 679033.6/44

- sign 1845.009+/-0.399 χ^2/NDF: 387842.0/22



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3110.181+/-1588.927 χ^2/NDF:4.3/5

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

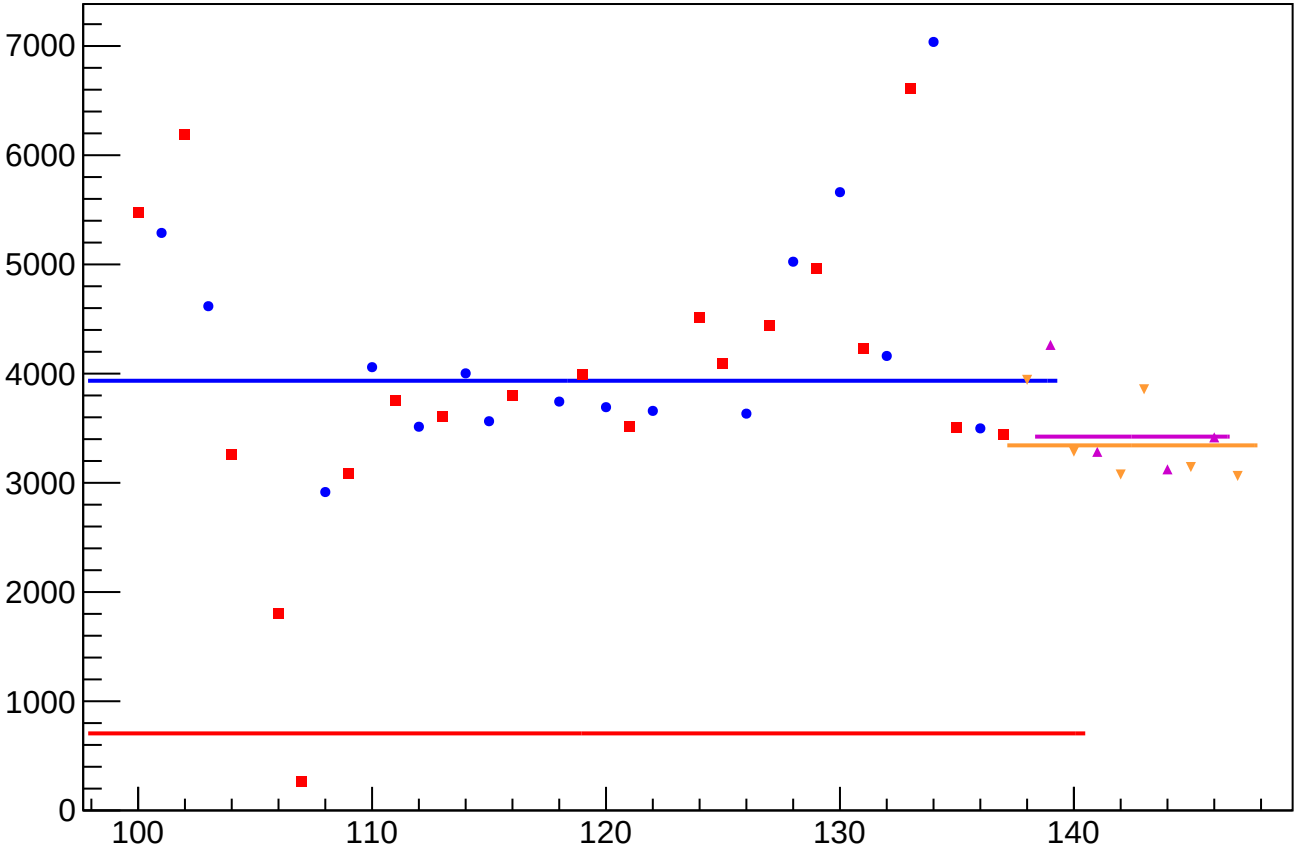
Left In: 468.860+/-1839.340 χ^2/NDF:0.9/3

\+ sign -847.149+/-1091.563 χ^2/NDF: 21.9/21

All: -205.064+/-449.683 χ^2/NDF: 41.8/44

\- sign -73.820+/-493.505 χ^2/NDF: 19.6/22

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

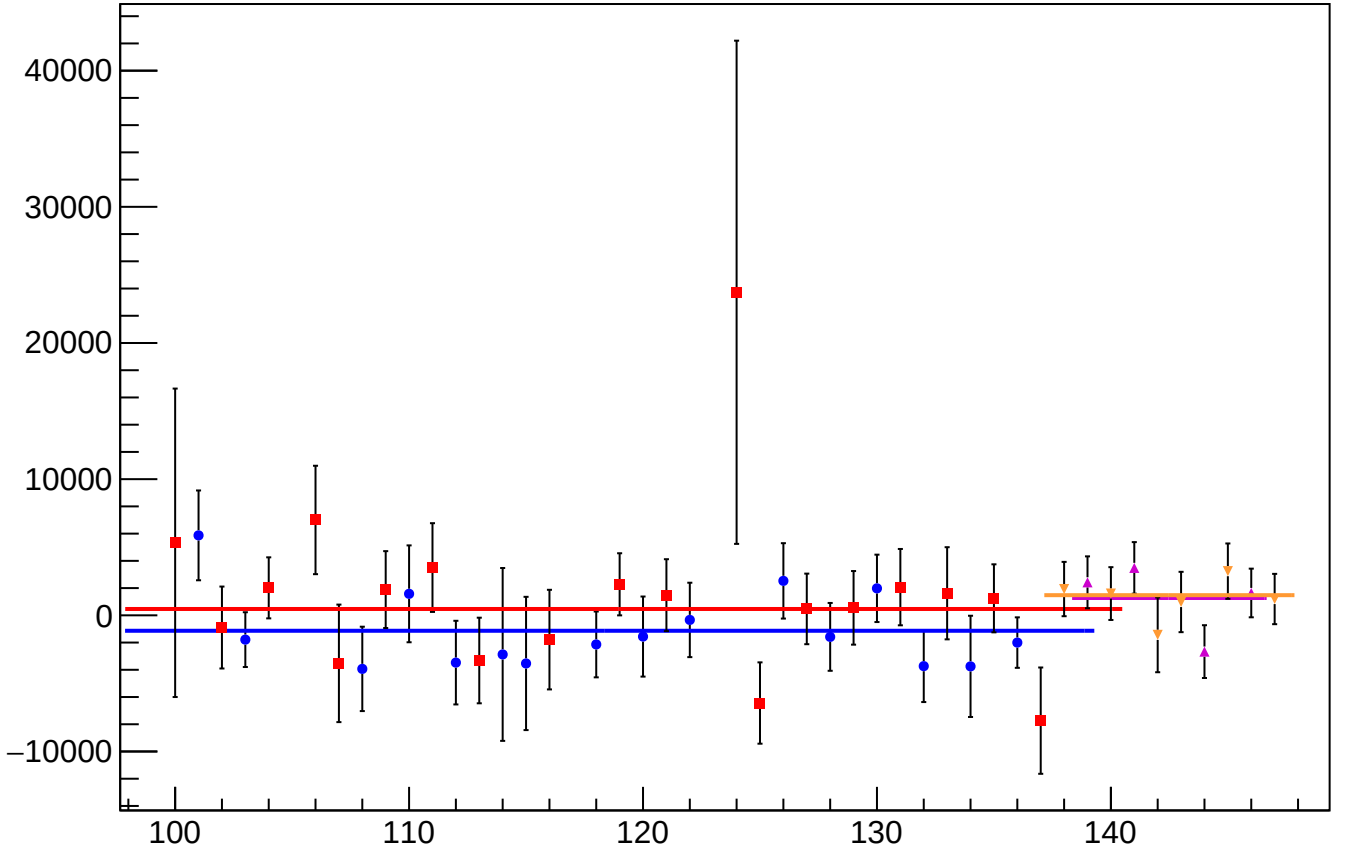
Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

+ sign 3655.501+/-0.772 χ^2/NDF: 797951.9/21

All: 1368.682+/-0.318 χ^2/NDF: 26253943.1/4

- sign 901.251+/-0.349 χ^2/NDF: 14883741.4/22

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.663+/-848.570 χ^2/NDF:2.0/5

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

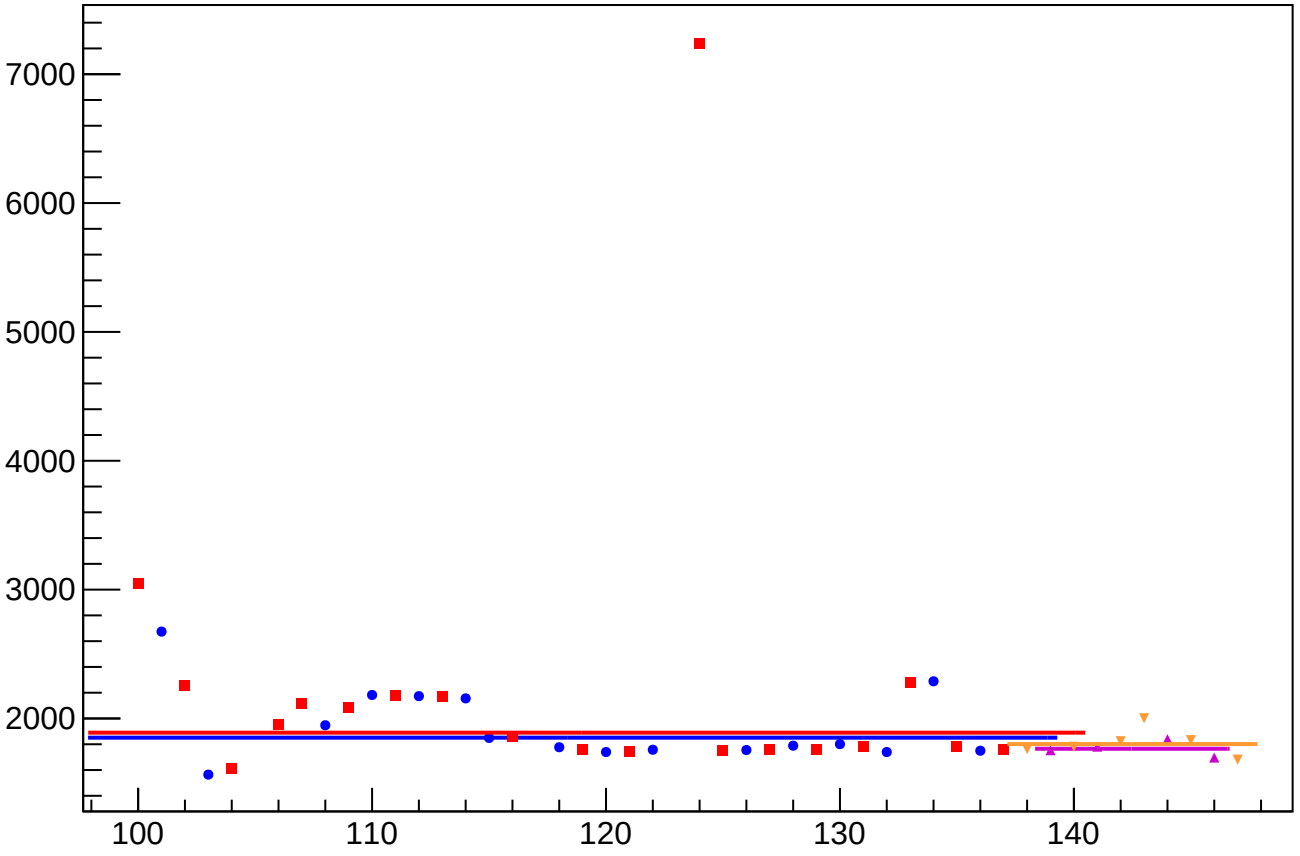
Left In: 1273.371+/-939.296 χ^2/NDF:5.9/3

+ sign -86.978+/-537.113 χ^2/NDF: 19.9/21

All: 314.345+/-389.060 χ^2/NDF: 47.5/44

- sign 757.357+/-564.322 χ^2/NDF: 26.4/22

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

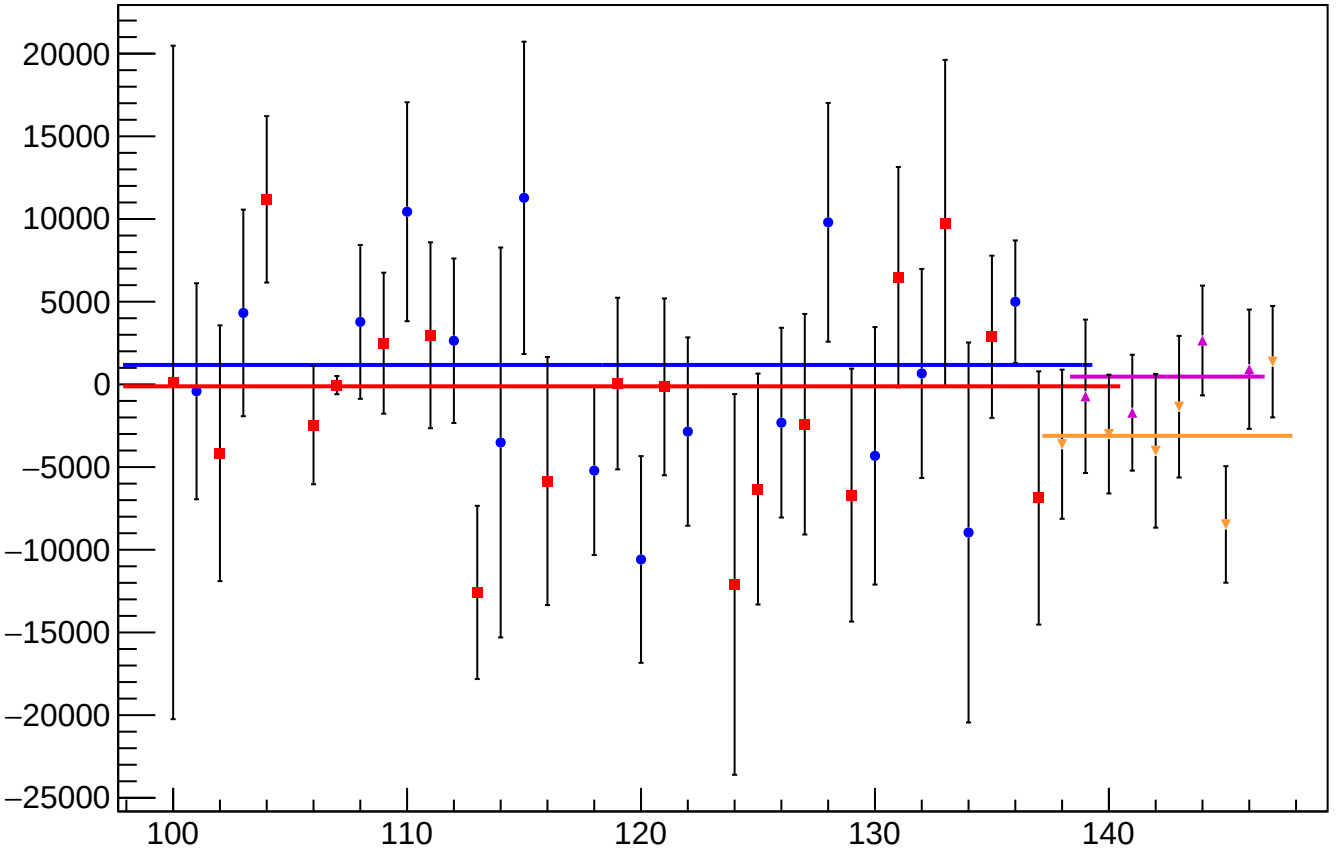
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

+ sign 1831.258+/-0.380 χ^2/NDF: 290567.7/21

All: 1837.803+/-0.275 χ^2/NDF: 679033.6/44

- sign 1845.009+/-0.399 χ^2/NDF: 387842.0/22



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3110.181+/-1588.927 χ^2/NDF:4.3/5

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

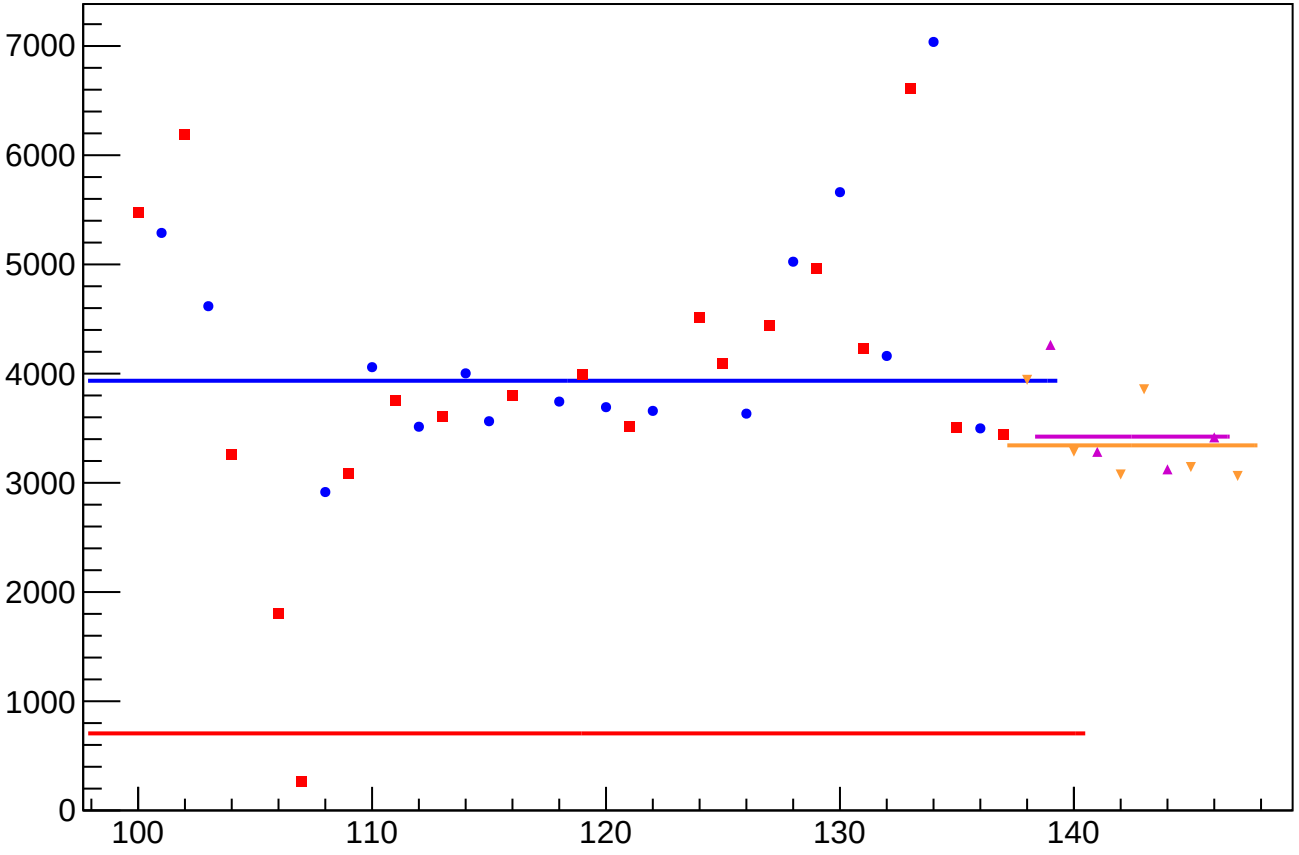
Left In: 468.860+/-1839.340 χ^2/NDF:0.9/3

\+ sign -847.149+/-1091.563 χ^2/NDF: 21.9/21

All: -205.064+/-449.683 χ^2/NDF: 41.8/44

\- sign -73.820+/-493.505 χ^2/NDF: 19.6/22

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

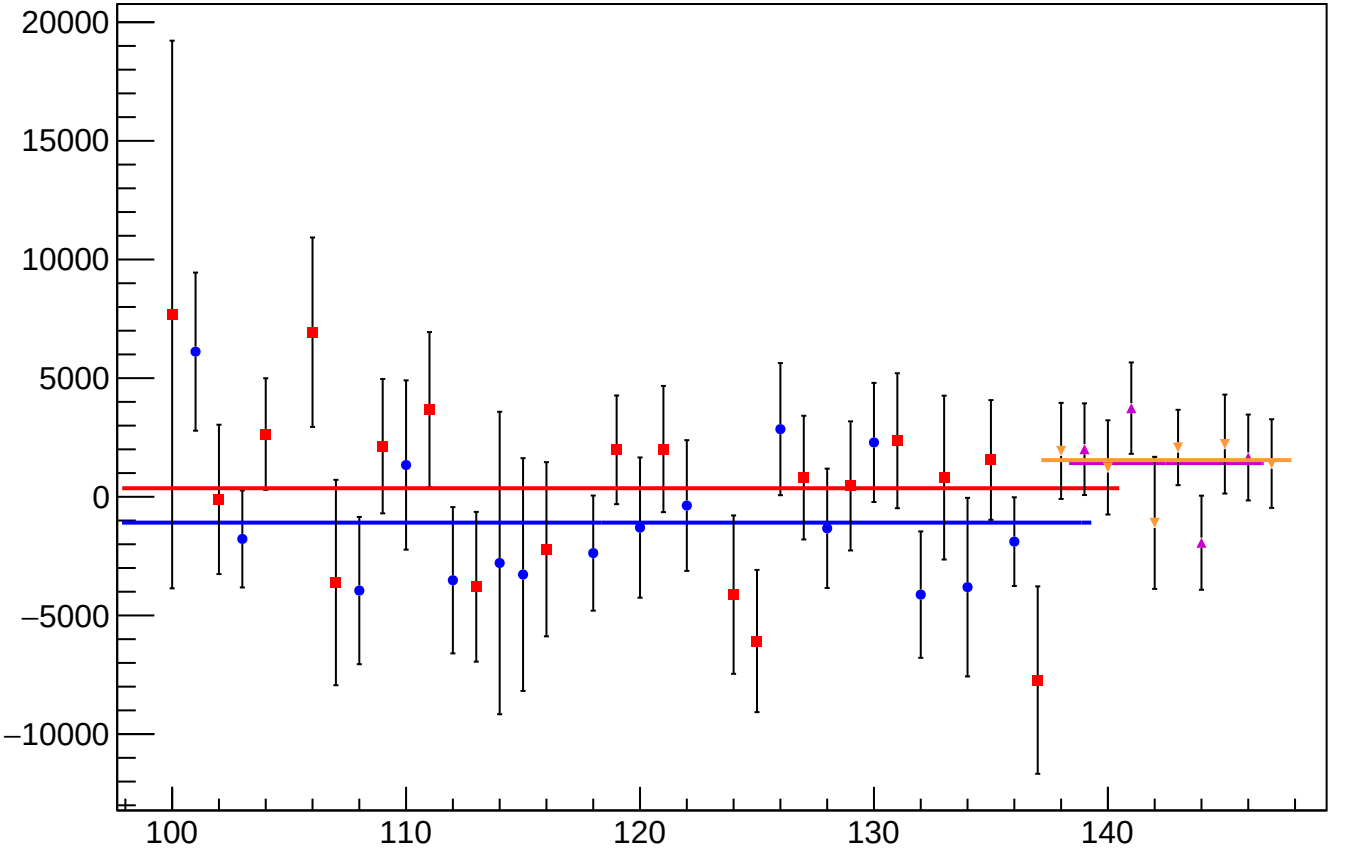
Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

+ sign 3655.501+/-0.772 χ^2/NDF: 797951.9/21

All: 1368.682+/-0.318 χ^2/NDF: 26253943.1/4

- sign 901.251+/-0.349 χ^2/NDF: 14883741.4/22

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1545.787+/-805.845 χ^2/NDF:1.2/5

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

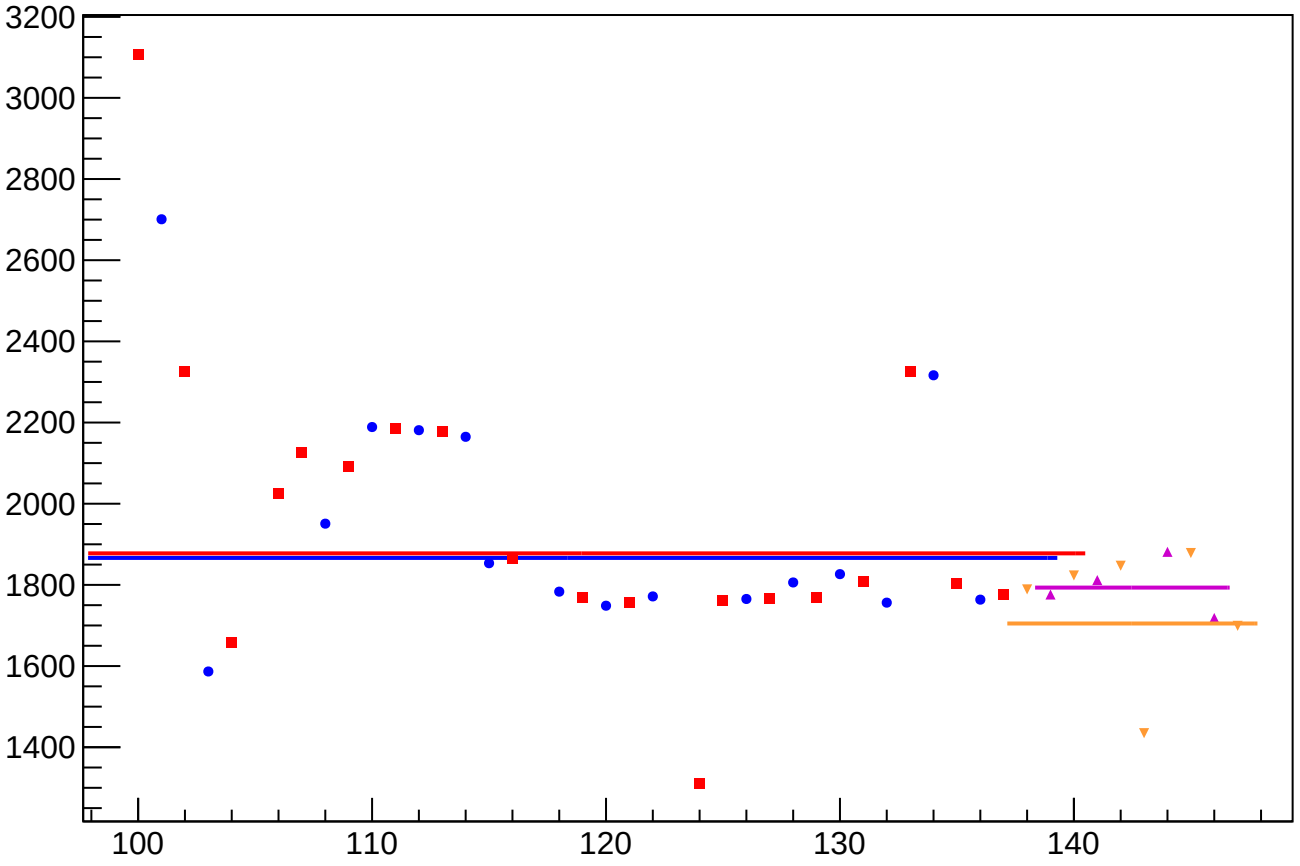
Left In: 1420.852+/-954.483 χ^2/NDF:4.4/3

+ sign 44.053+/-528.281 χ^2/NDF: 20.5/21

All: 365.181+/-385.655 χ^2/NDF: 47.3/44

- sign 731.584+/-564.295 χ^2/NDF: 26.0/22

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.864+/-0.570 χ^2/NDF:87612.7/5

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

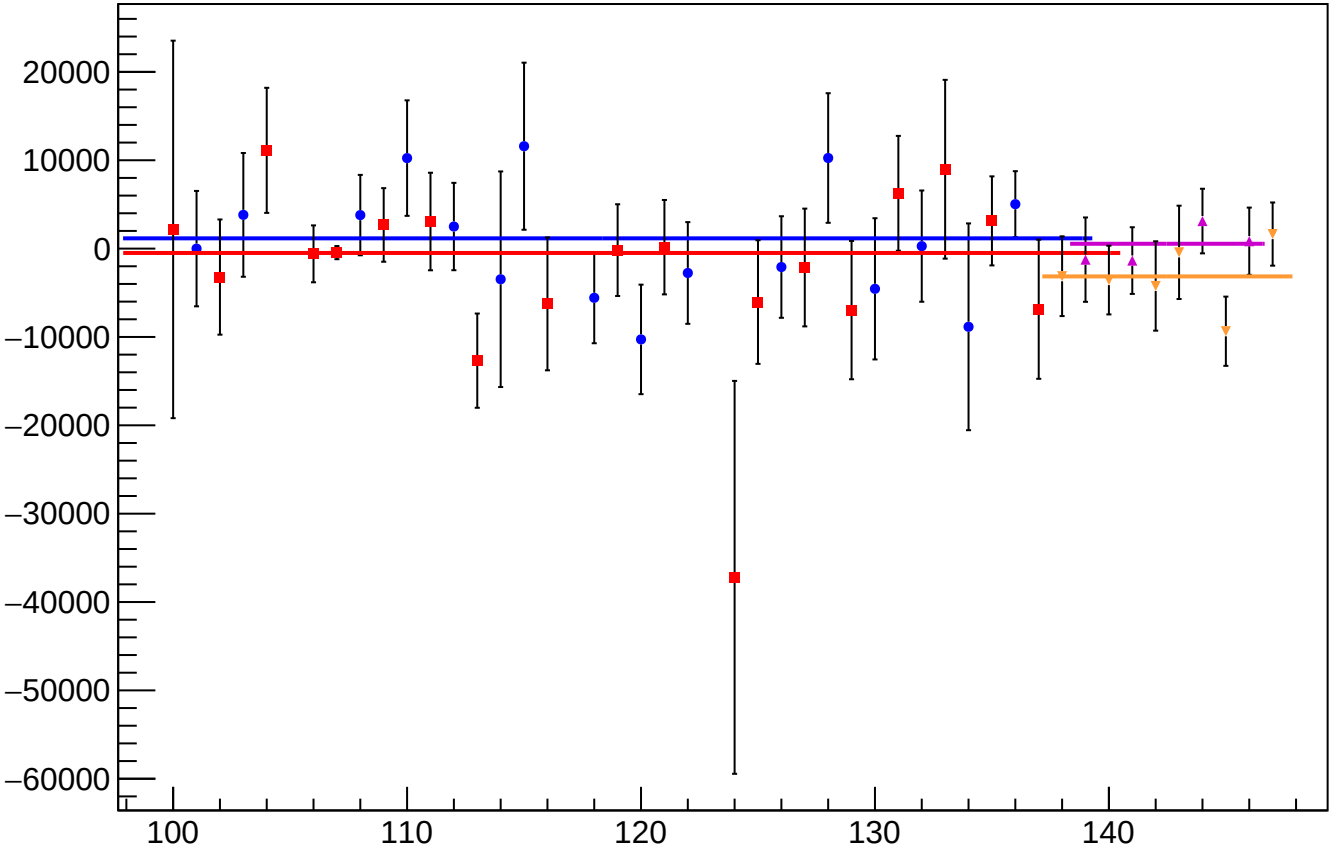
Left In: 1793.324+/-0.675 χ^2/NDF:7713.4/3

+ sign 1797.010+/-0.374 χ^2/NDF: 389733.7/21

All: 1820.940+/-0.273 χ^2/NDF: 668240.7/44

- sign 1848.214+/-0.399 χ^2/NDF: 269726.1/22

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3147.913+/-1731.416 χ^2/NDF:4.6/5

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

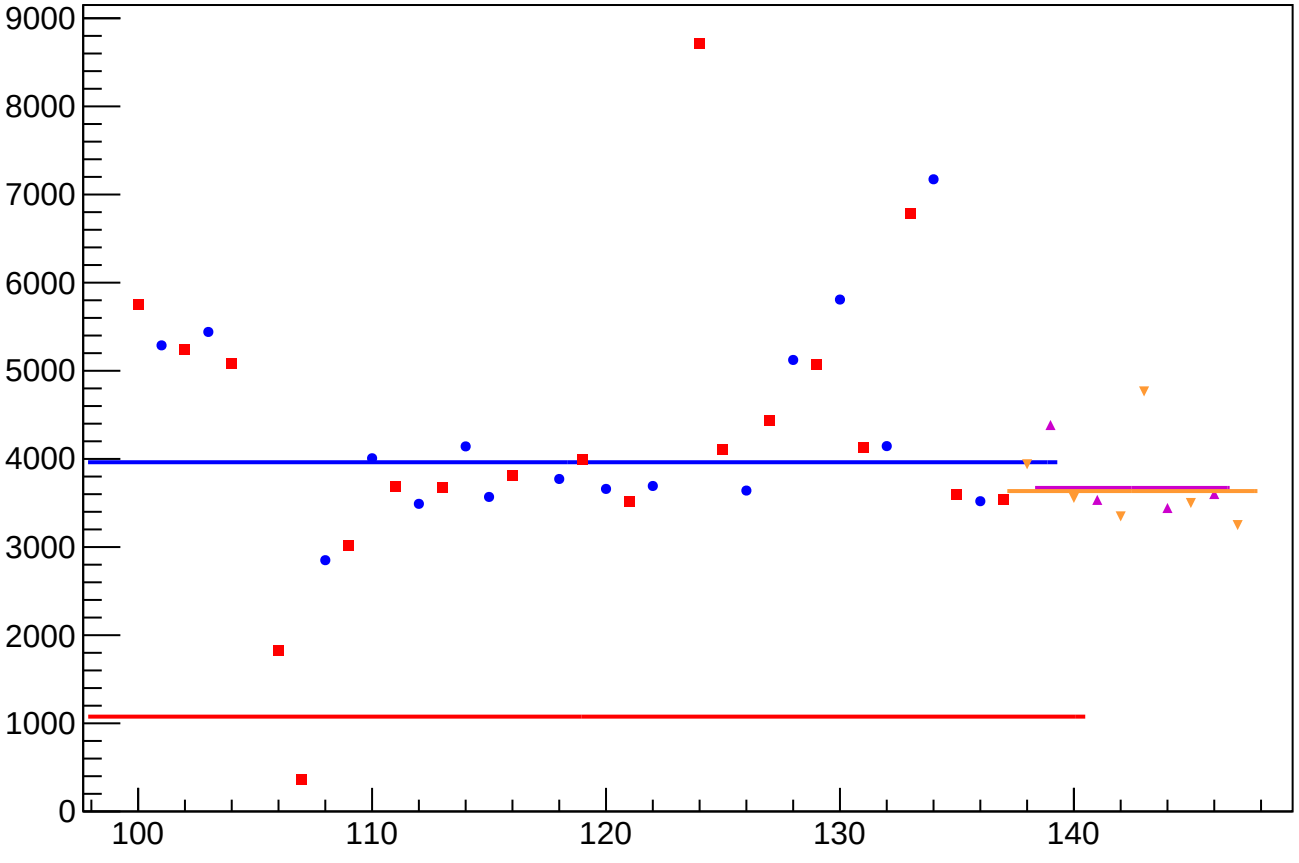
Left In: 547.222+/-1968.566 χ^2/NDF:0.9/3

+ sign -703.533+/-1138.966 χ^2/NDF: 21.8/21

All: -461.111+/-547.586 χ^2/NDF: 39.9/44

- sign -388.231+/-624.496 χ^2/NDF: 18.1/22

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3635.211+/-1.224 χ^2/NDF:133670.2/5

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

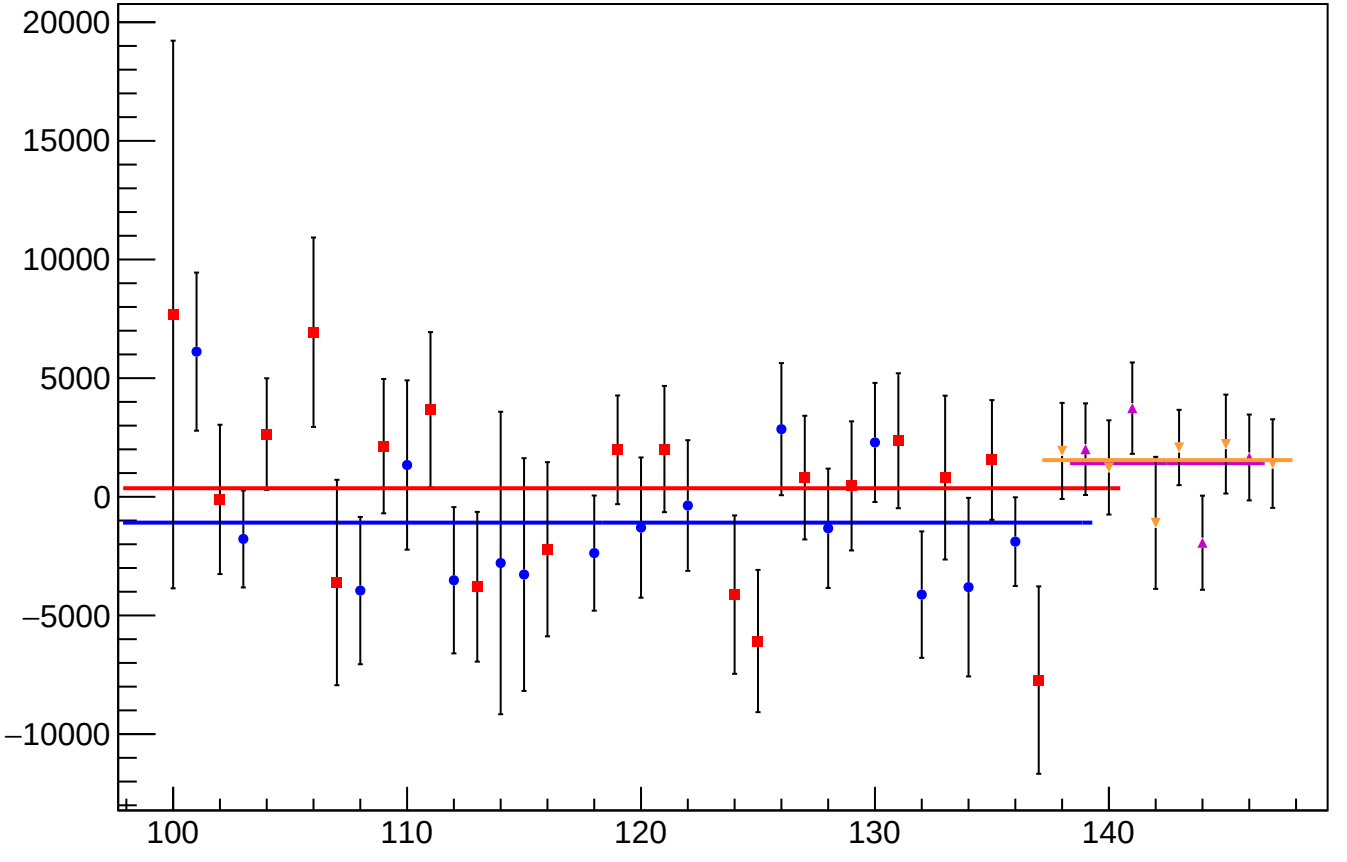
Left In: 3670.903+/-1.392 χ^2/NDF:55703.1/3

+ sign 3820.797+/-0.805 χ^2/NDF: 842516.4/21

All: 1911.197+/-0.387 χ^2/NDF: 20894311.4/4

- sign 1337.106+/-0.442 χ^2/NDF: 12739587.6/22

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1545.778+/-805.845 χ^2/NDF:1.2/5

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

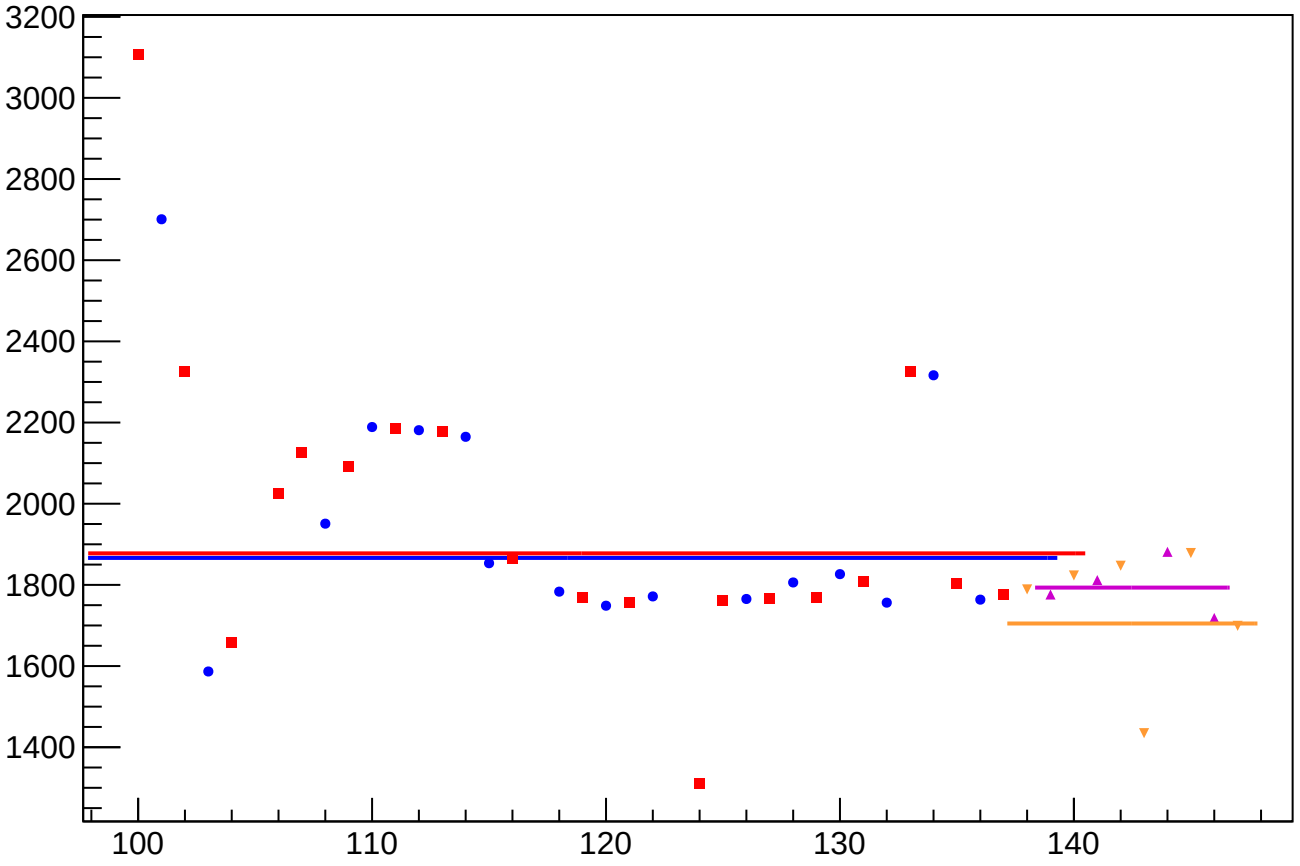
Left In: 1420.846+/-954.483 χ^2/NDF:4.4/3

+ sign 44.046+/-528.281 χ^2/NDF: 20.5/21

All: 365.177+/-385.655 χ^2/NDF: 47.3/44

- sign 731.585+/-564.295 χ^2/NDF: 26.0/22

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.865+/-0.570 χ^2/NDF:87611.8/5

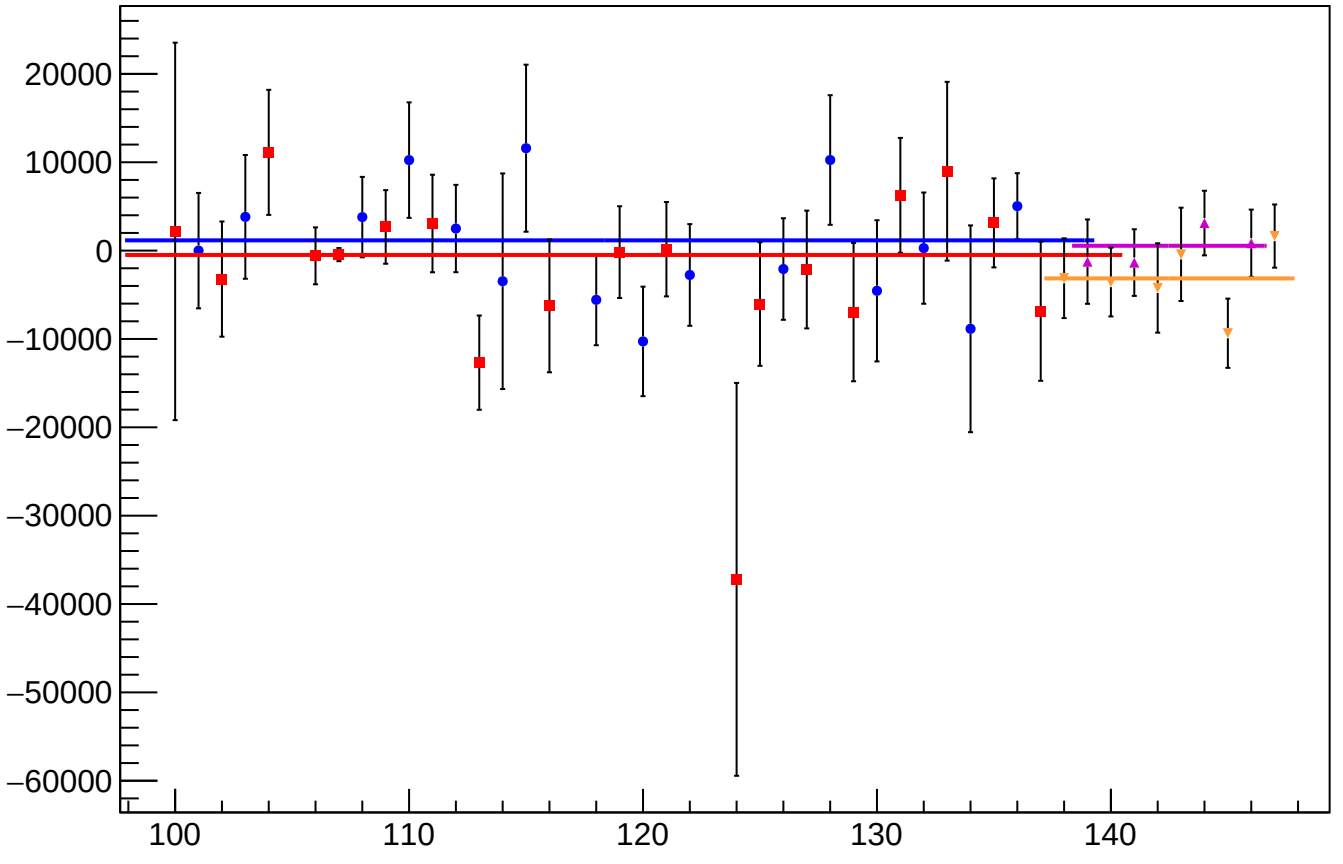
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1793.325+/-0.675 χ^2/NDF:7713.4/3

+ sign 1797.010+/-0.374 χ^2/NDF: 389732.0/21

All: 1820.940+/-0.273 χ^2/NDF: 668238.9/44

- sign 1848.214+/-0.399 χ^2/NDF: 269726.2/22



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3147.919+/-1731.417 χ^2/NDF:4.6/5

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

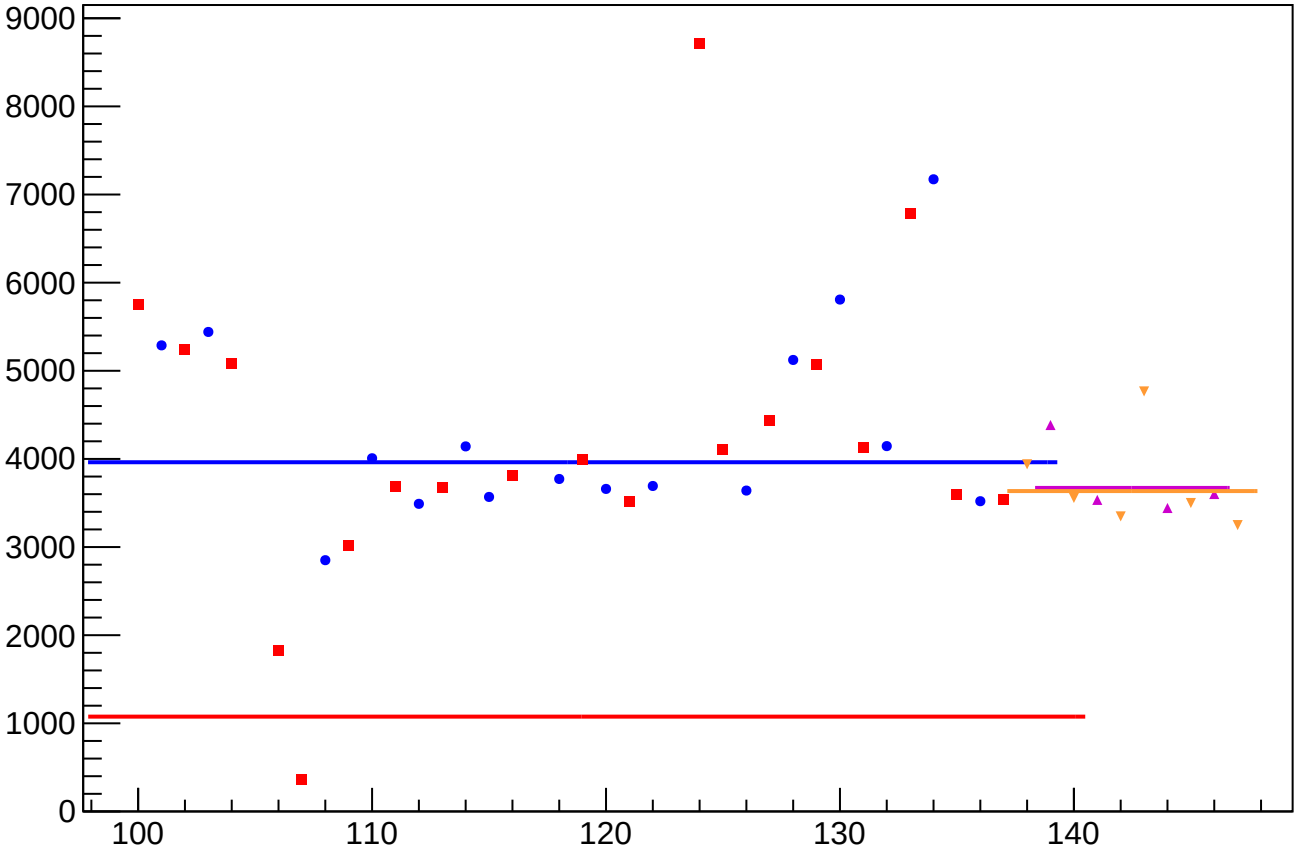
Left In: 547.214+/-1968.569 χ^2/NDF:0.9/3

+ sign -703.541+/-1138.965 χ^2/NDF: 21.8/21

All: -461.118+/-547.592 χ^2/NDF: 39.9/44

- sign -388.236+/-624.506 χ^2/NDF: 18.1/22

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3635.215+/-1.224 χ^2/NDF:133668.8/5

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

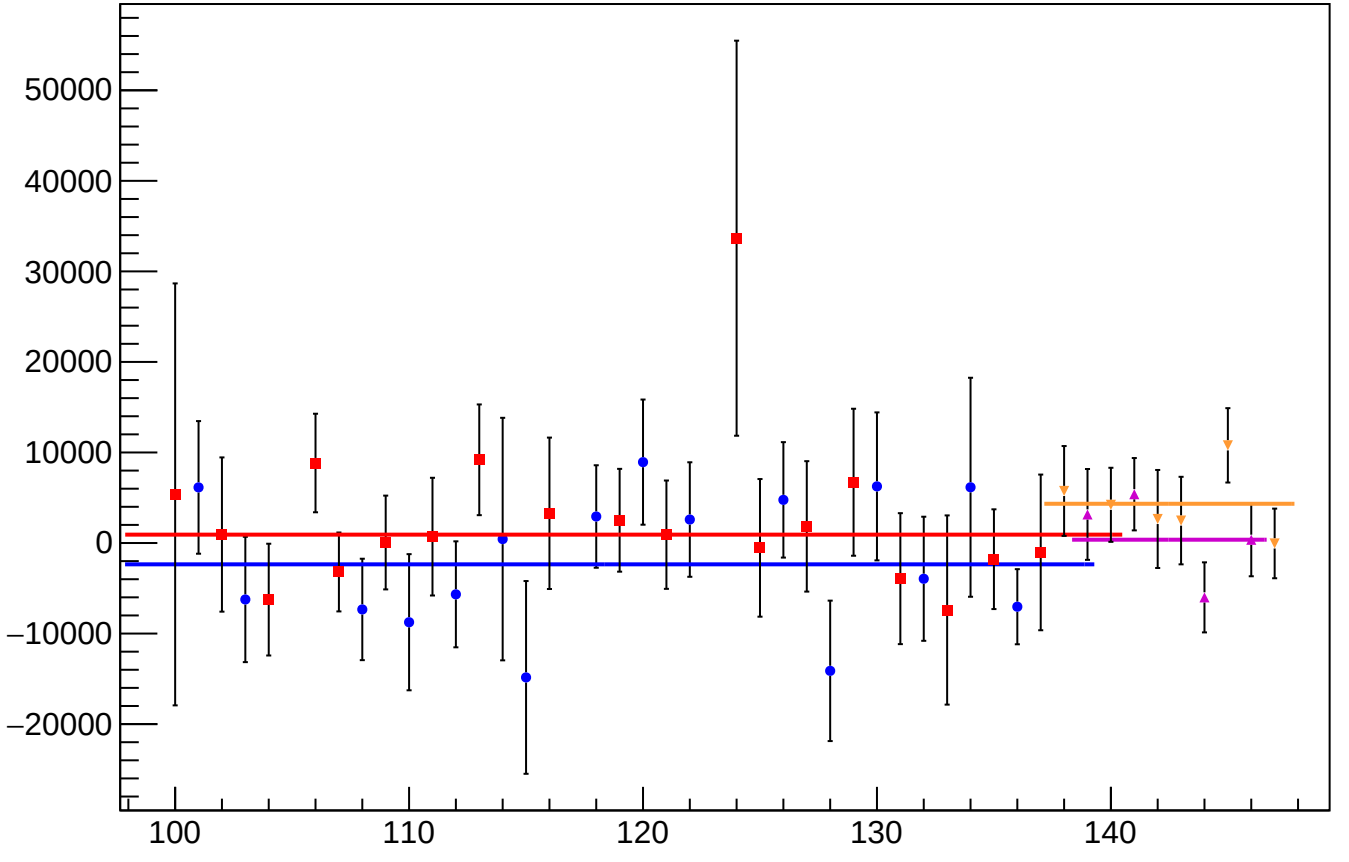
Left In: 3670.907+/-1.392 χ^2/NDF:55703.7/3

+ sign 3820.795+/-0.805 χ^2/NDF: 842509.0/21

All: 1911.238+/-0.387 χ^2/NDF: 20893832.9/4

- sign 1337.141+/-0.442 χ^2/NDF: 12739377.5/22

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 4334.345+/-1813.162 χ^2/NDF:4.1/5

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

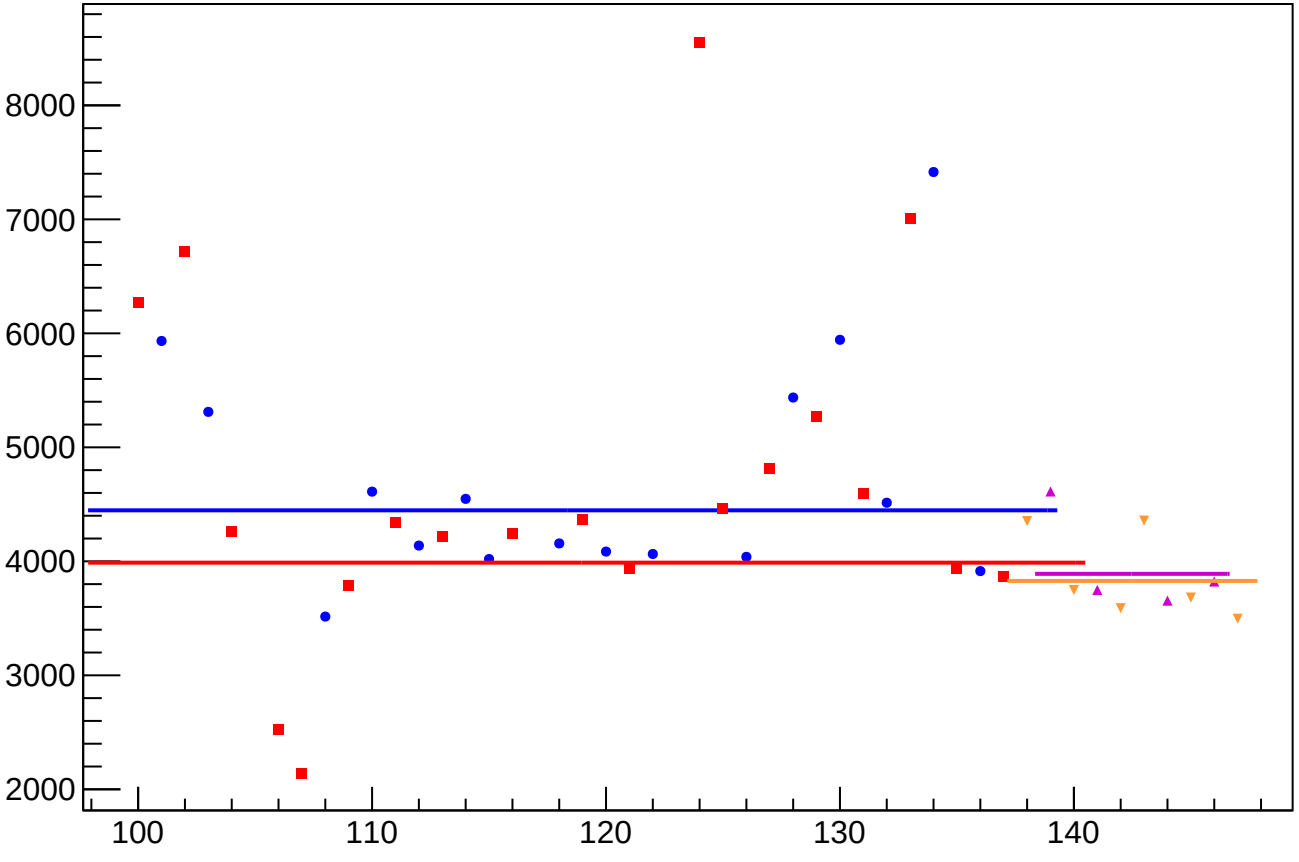
Left In: 364.981+/-2081.884 χ^2/NDF:4.6/3

\+ sign 744.579+/-1234.214 χ^2/NDF: 26.9/21

All: 735.212+/-875.341 χ^2/NDF: 42.2/44

\- sign 725.732+/-1241.657 χ^2/NDF: 15.3/22

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3827.904+/-1.282 χ^2/NDF:68447.2/5

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

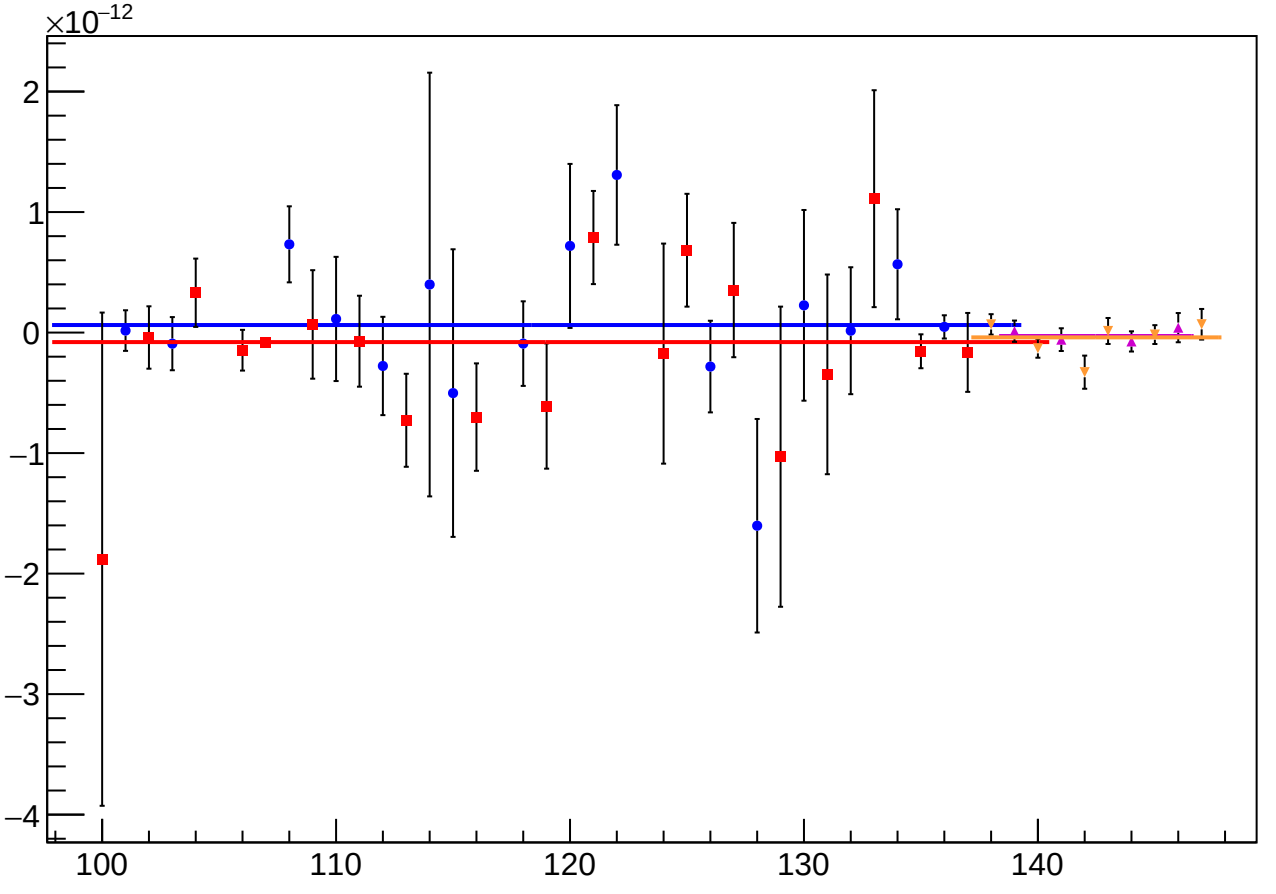
Left In: 3890.346+/-1.472 χ^2/NDF:51920.8/3

+ sign 4160.370+/-0.873 χ^2/NDF: 652000.8/21

All: 4057.076+/-0.617 χ^2/NDF: 1878729.6/44

- sign 3953.870+/-0.872 χ^2/NDF: 1198723.0/22

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:8.4/5

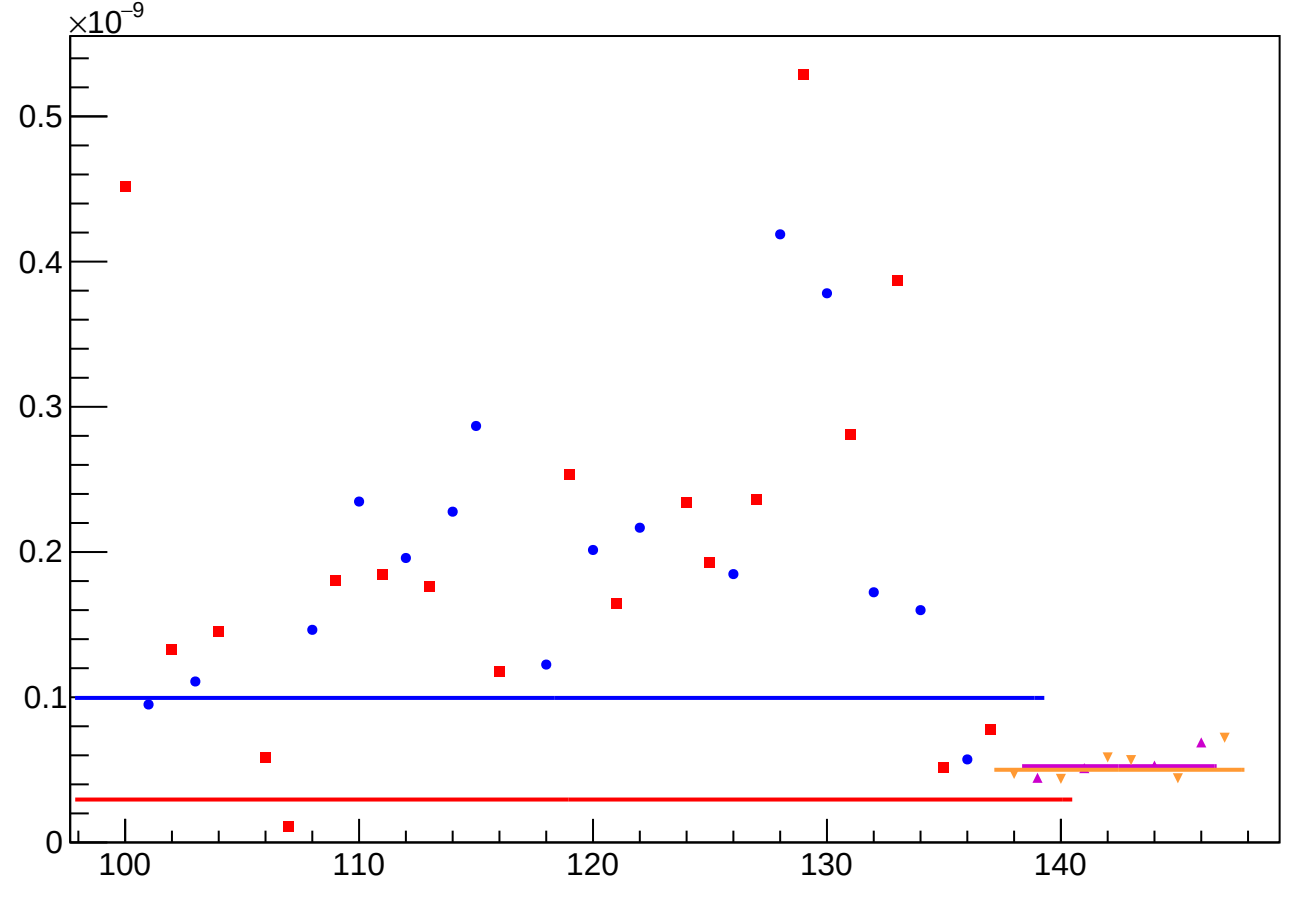
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/21

All: -0.000+/-0.000 χ^2/NDF: 50.5/44

- sign -0.000+/-0.000 χ^2/NDF: 21.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:101841.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

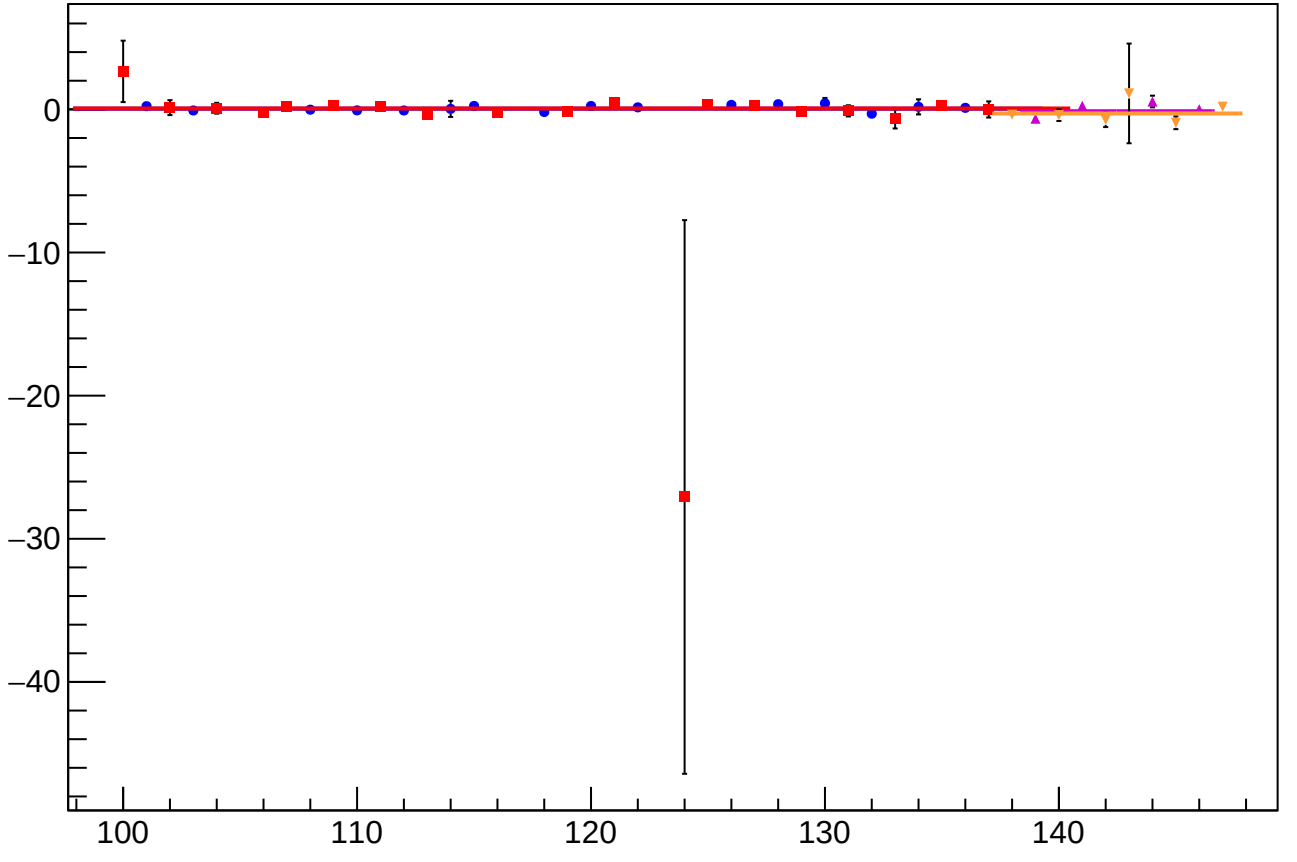
Left In: 0.000+/-0.000 χ^2/NDF:53263.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2462708.4/21

All: 0.000+/-0.000 χ^2/NDF: 7861752.9/44

- sign 0.000+/-0.000 χ^2/NDF: 4734230.9/22

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

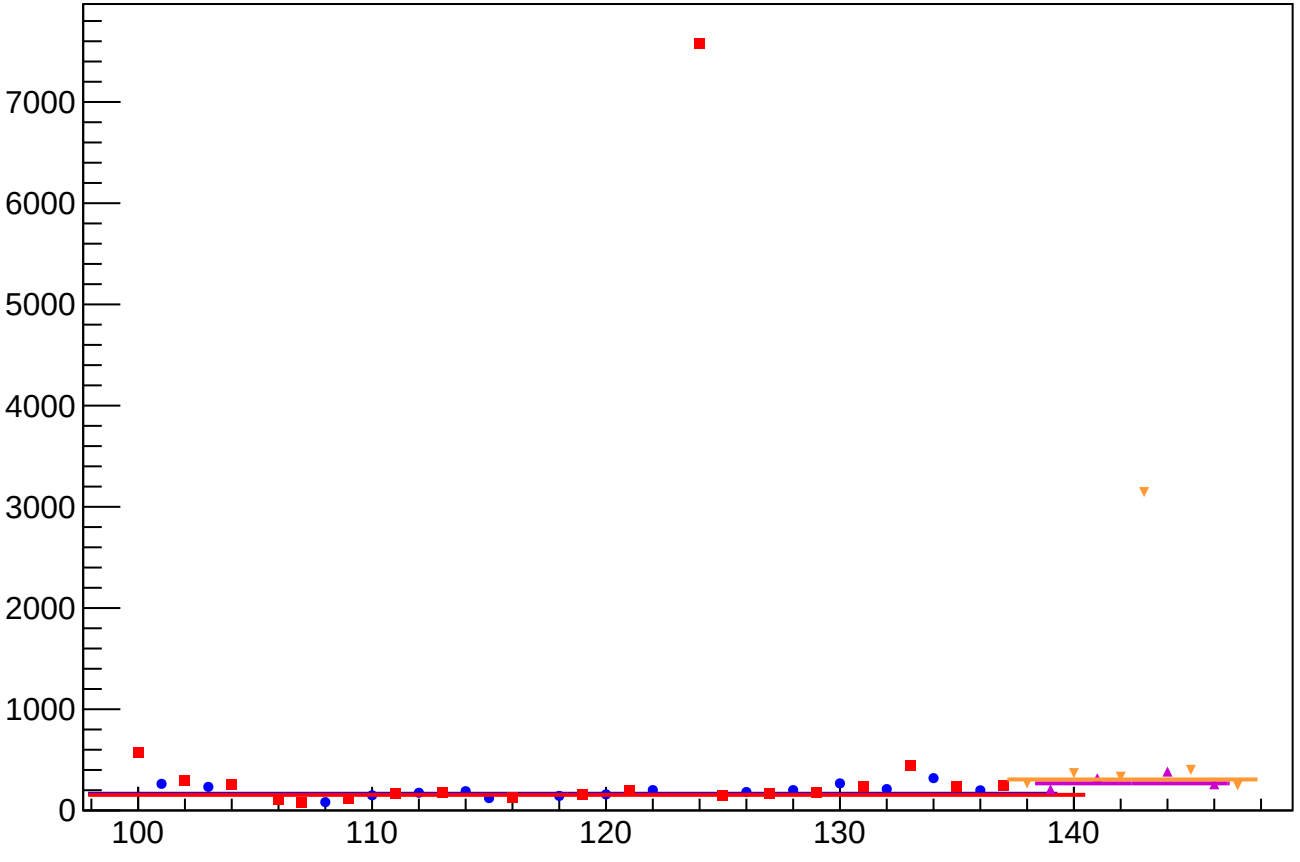
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.016+/-0.043 χ^2/NDF: 46.4/44

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 306.250+/-0.114 χ^2/NDF:1594568.4/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

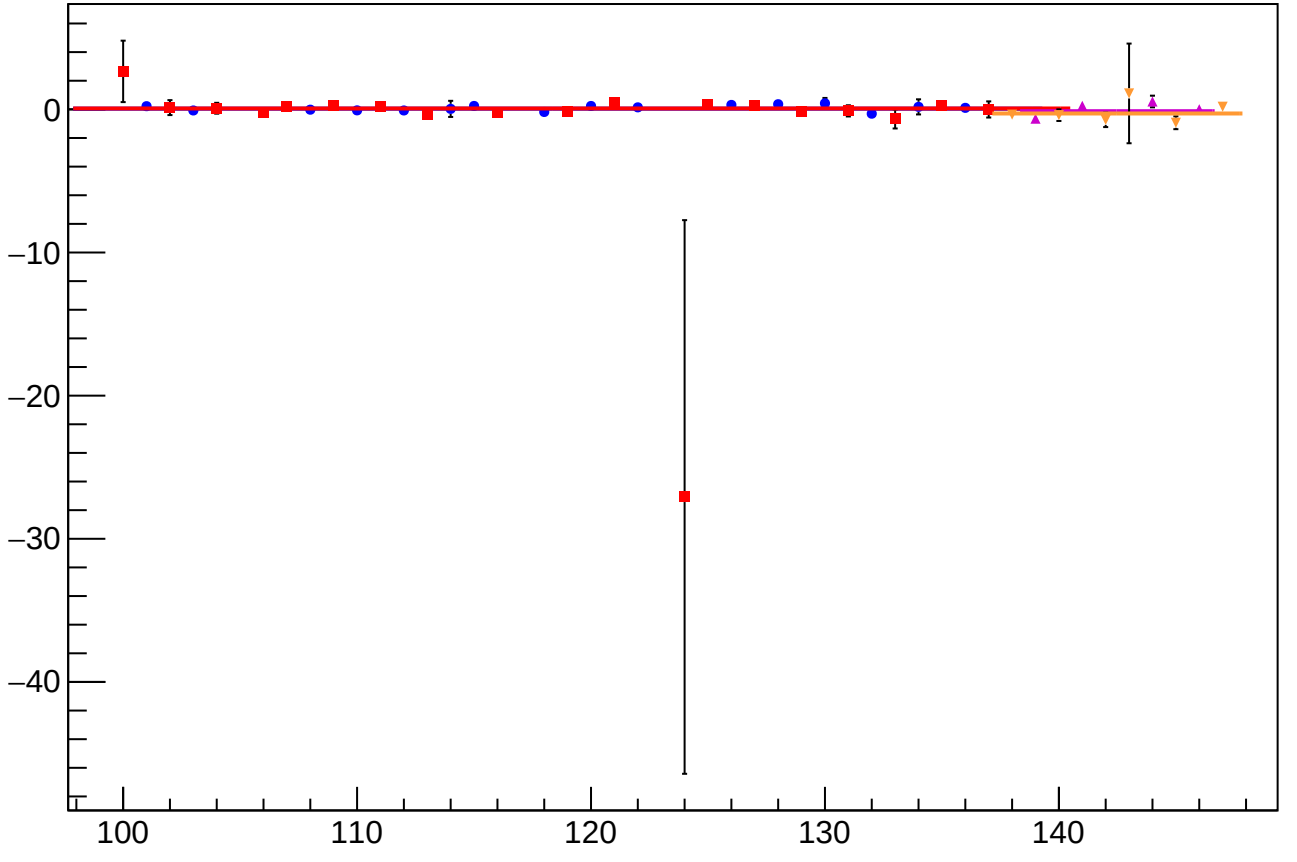
Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

+ sign 185.491+/-0.043 χ^2/NDF: 4392072.8/21

All: 178.654+/-0.030 χ^2/NDF: 7672042.4/44

- sign 172.316+/-0.042 χ^2/NDF: 3232144.4/22

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

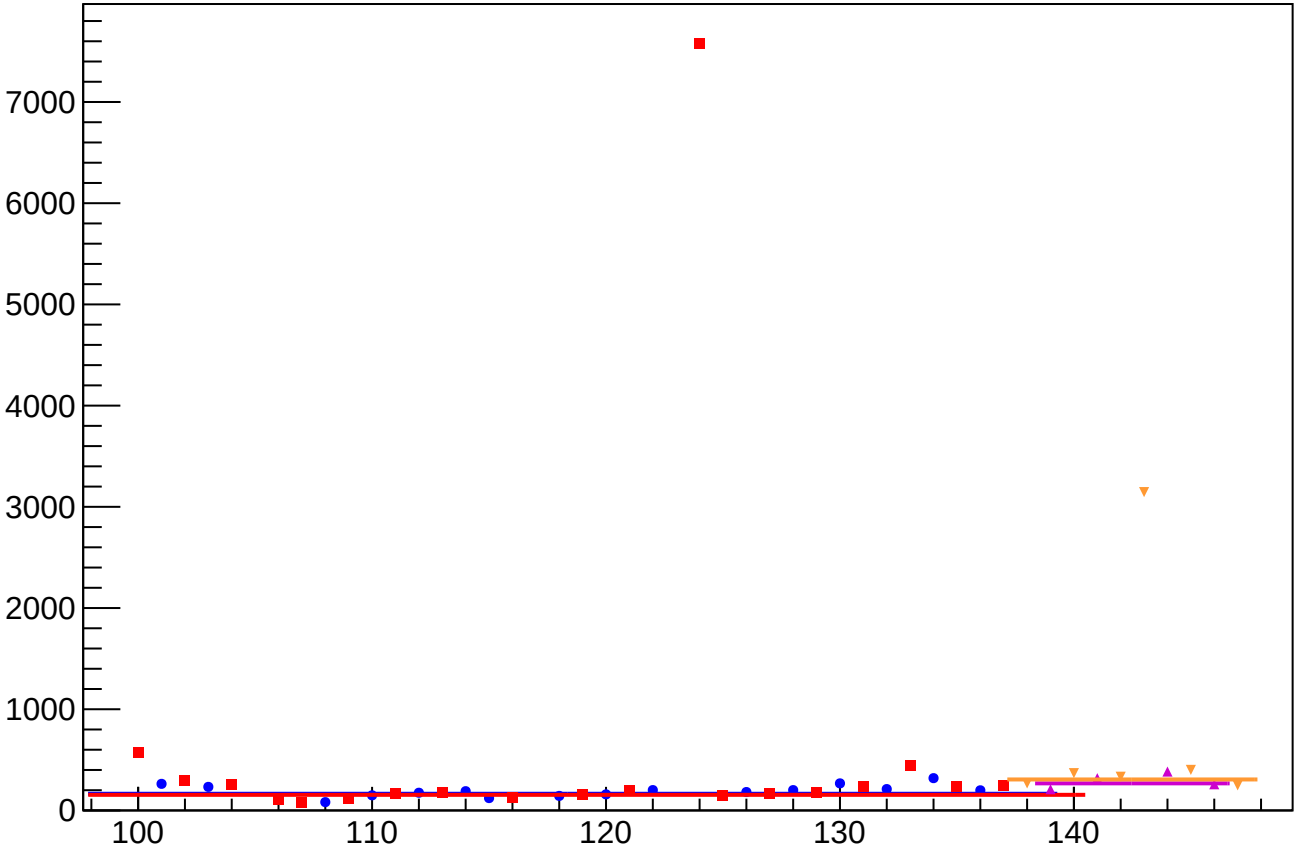
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.016+/-0.043 χ^2/NDF: 46.4/44

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

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: 306.250+/-0.114 χ^2/NDF:1594568.4/5

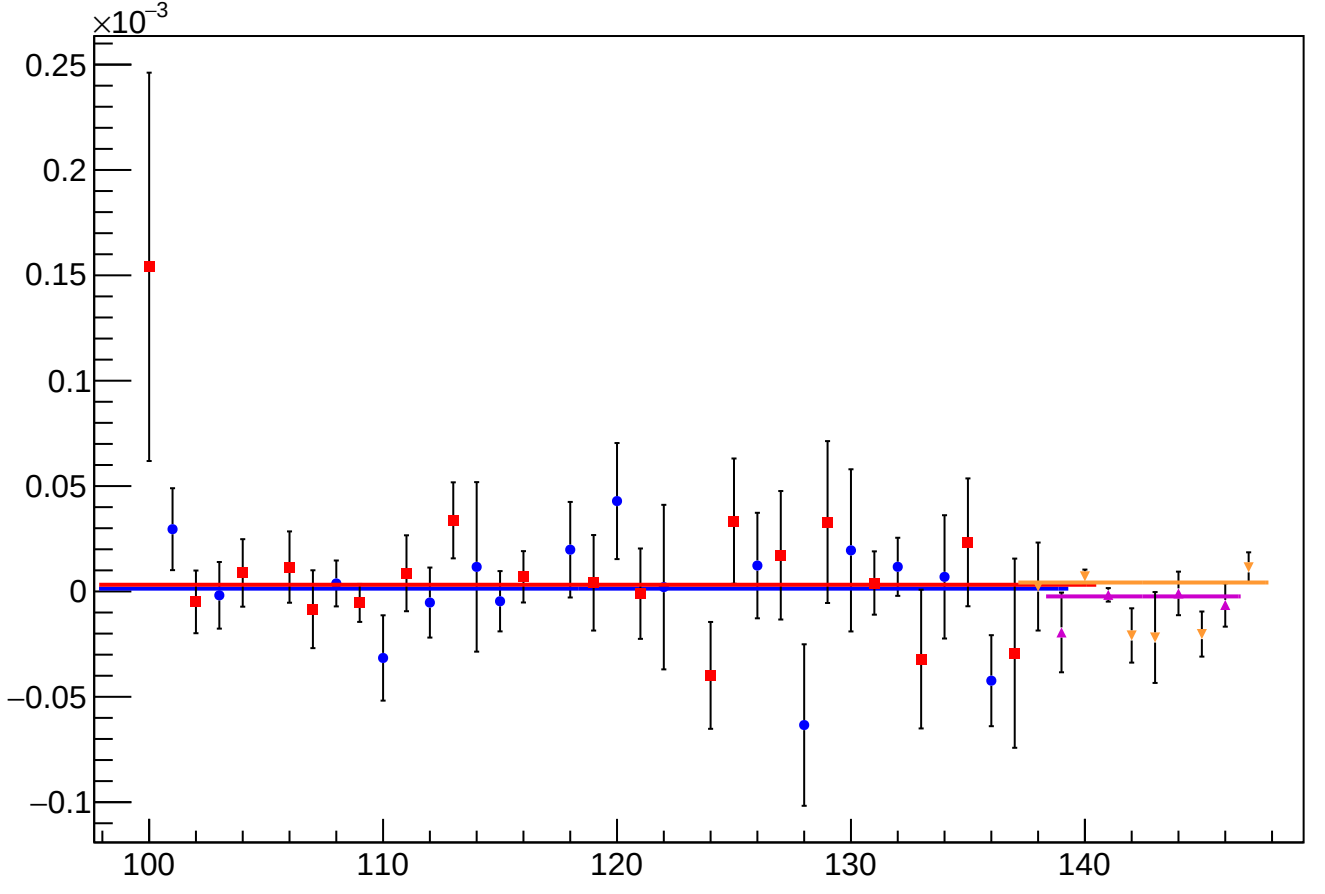
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

+ sign 185.491+/-0.043 χ^2/NDF: 4392072.8/21

All: 178.654+/-0.030 χ^2/NDF: 7672042.4/44

- sign 172.316+/-0.042 χ^2/NDF: 3232144.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/5

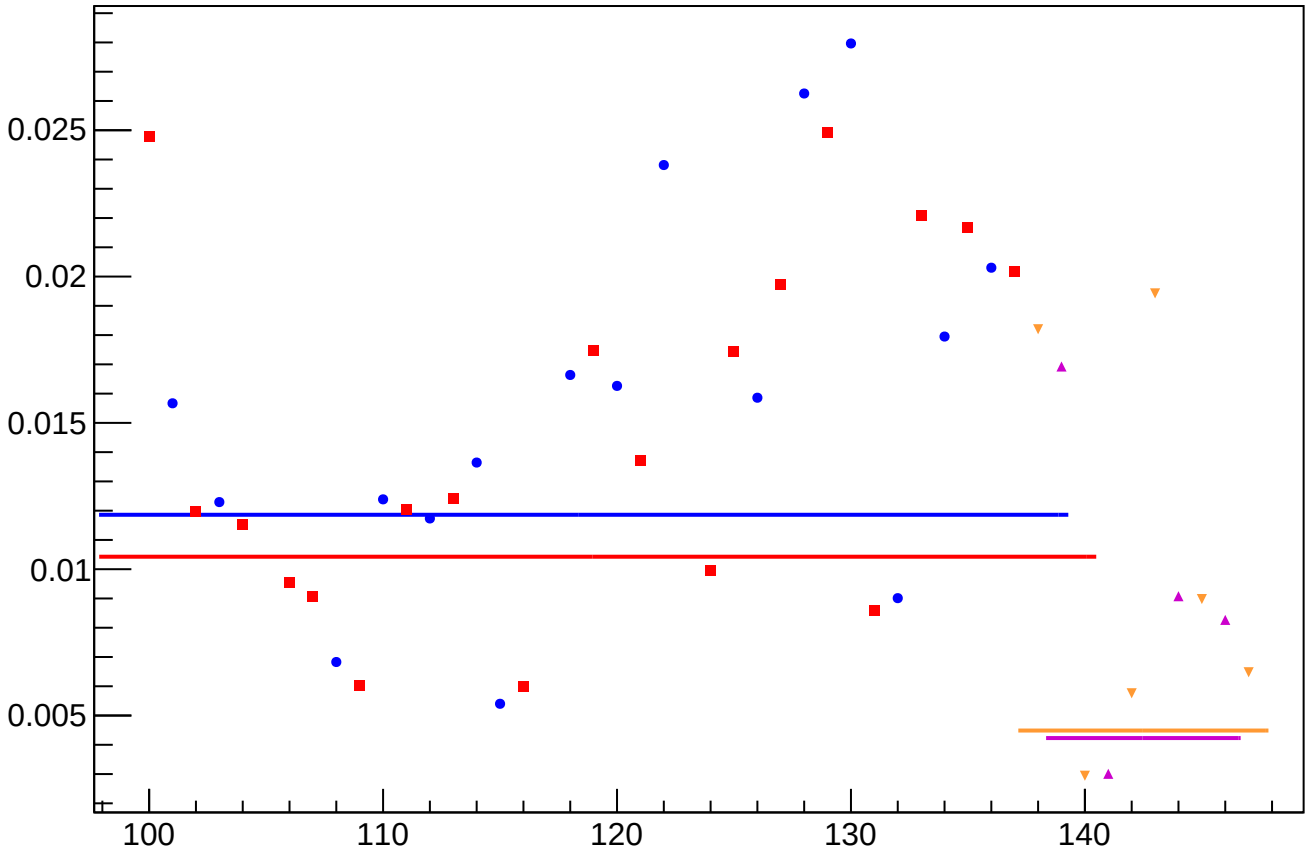
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/21

All: 0.000+/-0.000 χ^2/NDF: 47.1/44

- sign -0.000+/-0.000 χ^2/NDF: 16.8/22



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2813472.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

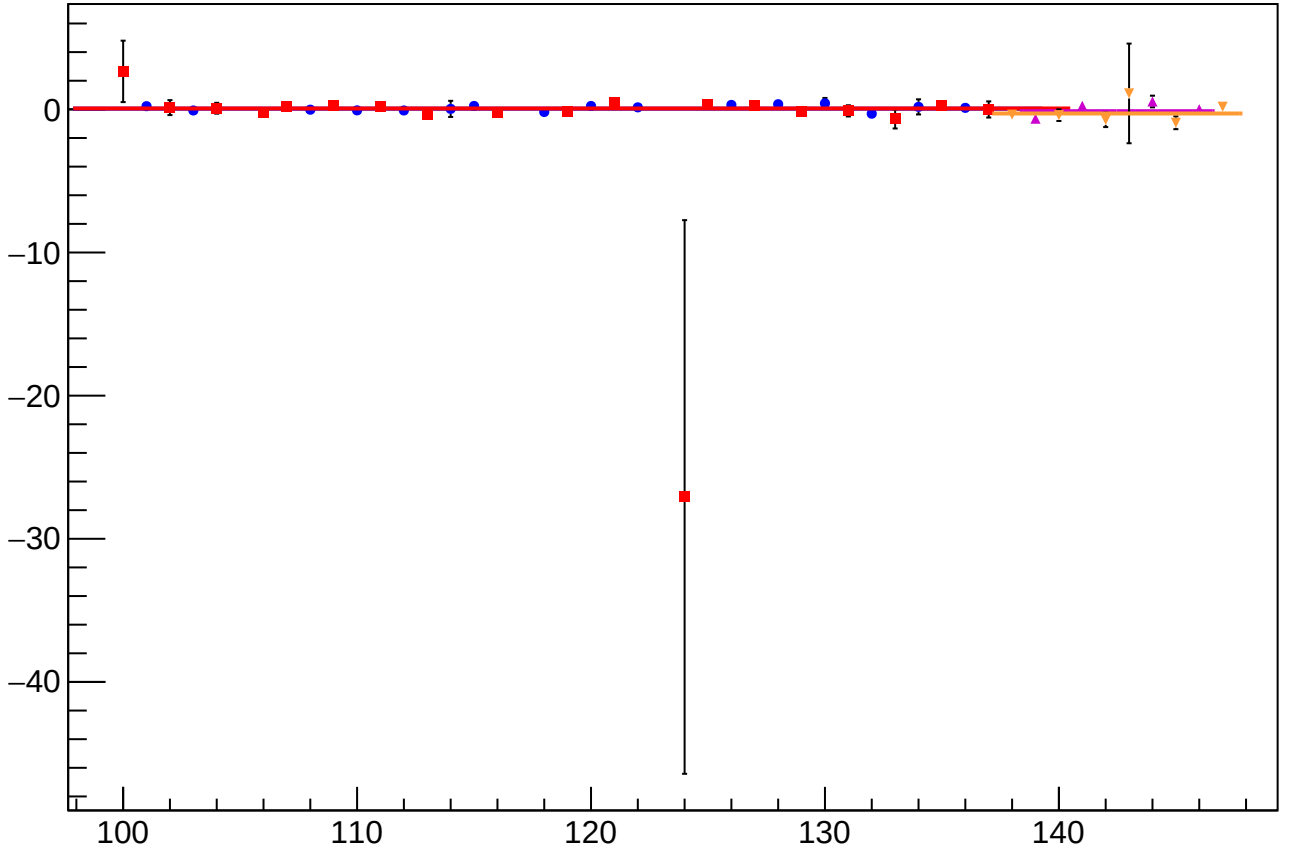
Left In: 0.004+/-0.000 χ^2/NDF:1938762.9/3

+ sign 0.006+/-0.000 χ^2/NDF: 8714520.5/21

All: 0.006+/-0.000 χ^2/NDF: 15921413.7/44

- sign 0.006+/-0.000 χ^2/NDF: 7206776.7/22

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

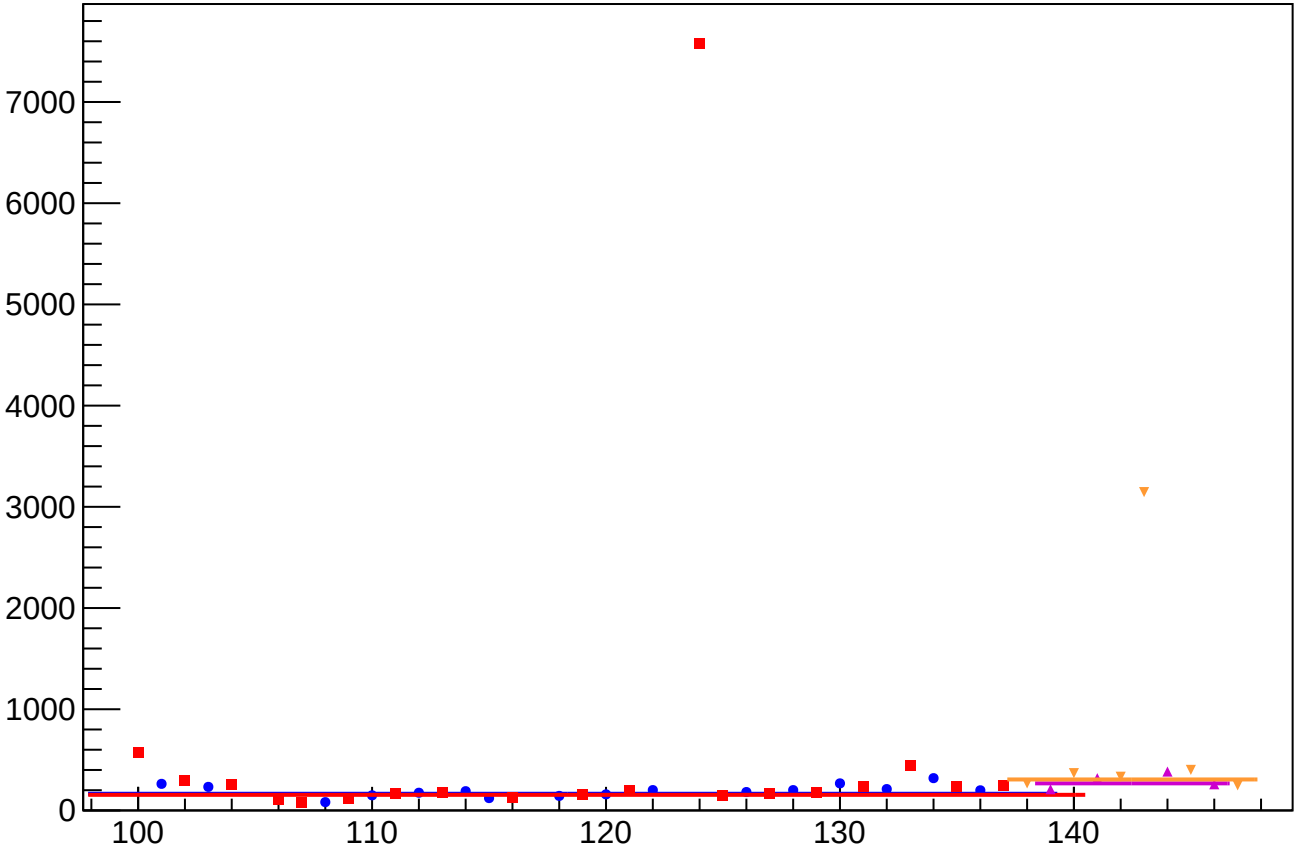
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.016+/-0.043 χ^2/NDF: 46.4/44

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

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: 306.254+/-0.114 χ^2/NDF:1594550.7/5

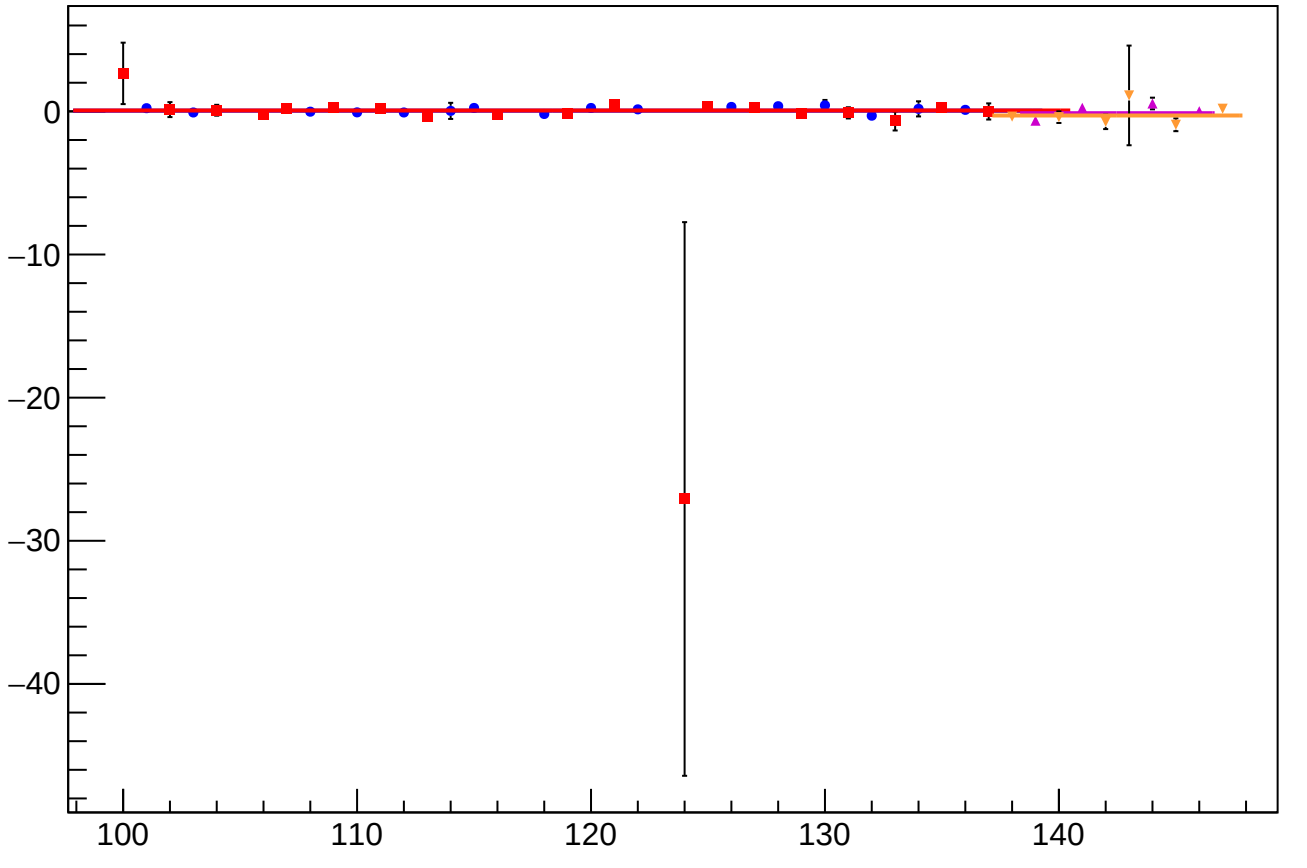
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

+ sign 185.491+/-0.043 χ^2/NDF: 4392085.2/21

All: 178.654+/-0.030 χ^2/NDF: 7672107.8/44

- sign 172.316+/-0.042 χ^2/NDF: 3232197.4/22



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

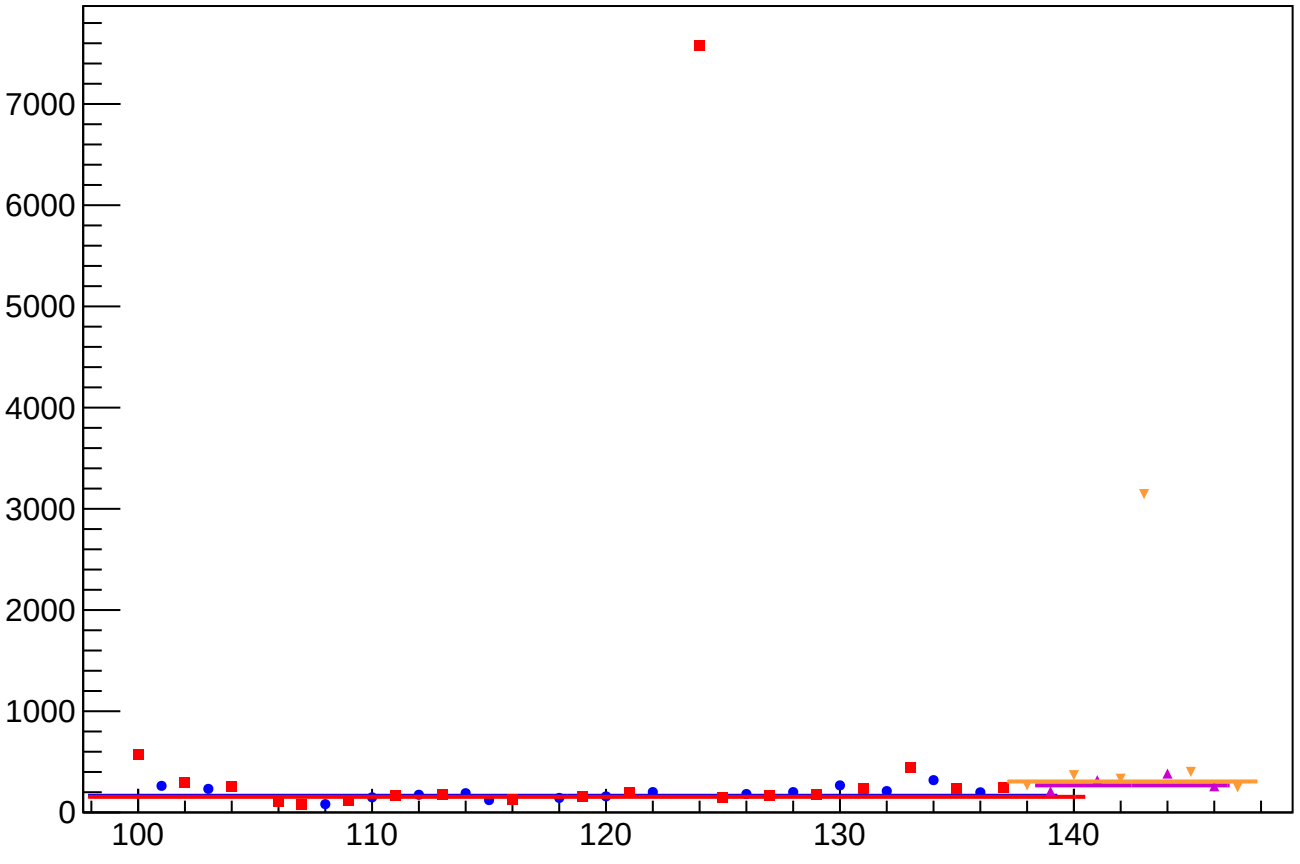
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.016+/-0.043 χ^2/NDF: 46.4/44

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 306.254+/-0.114 χ^2/NDF:1594550.7/5

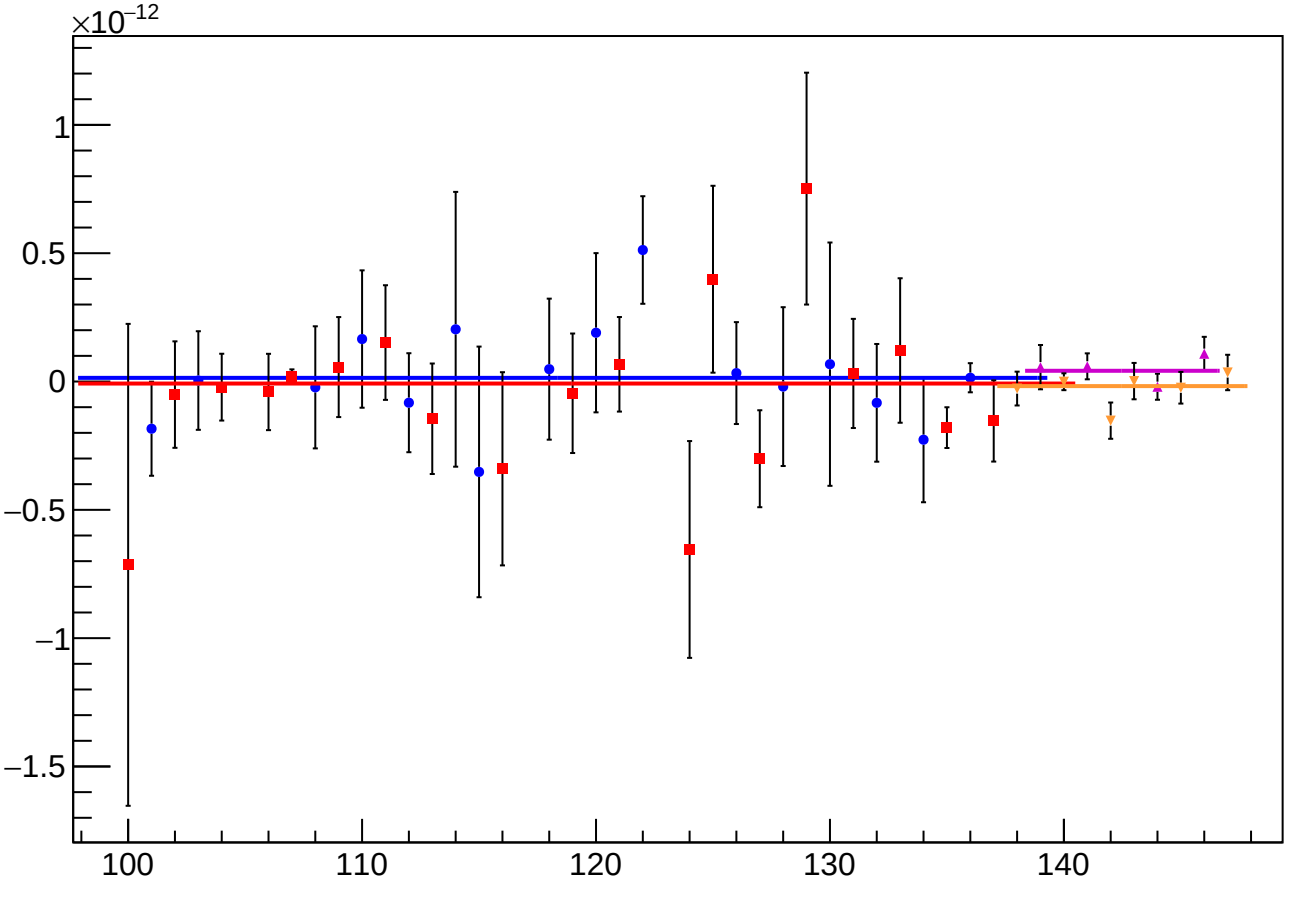
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

+ sign 185.491+/-0.043 χ^2/NDF: 4392085.2/21

All: 178.654+/-0.030 χ^2/NDF: 7672107.8/44

- sign 172.316+/-0.042 χ^2/NDF: 3232197.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

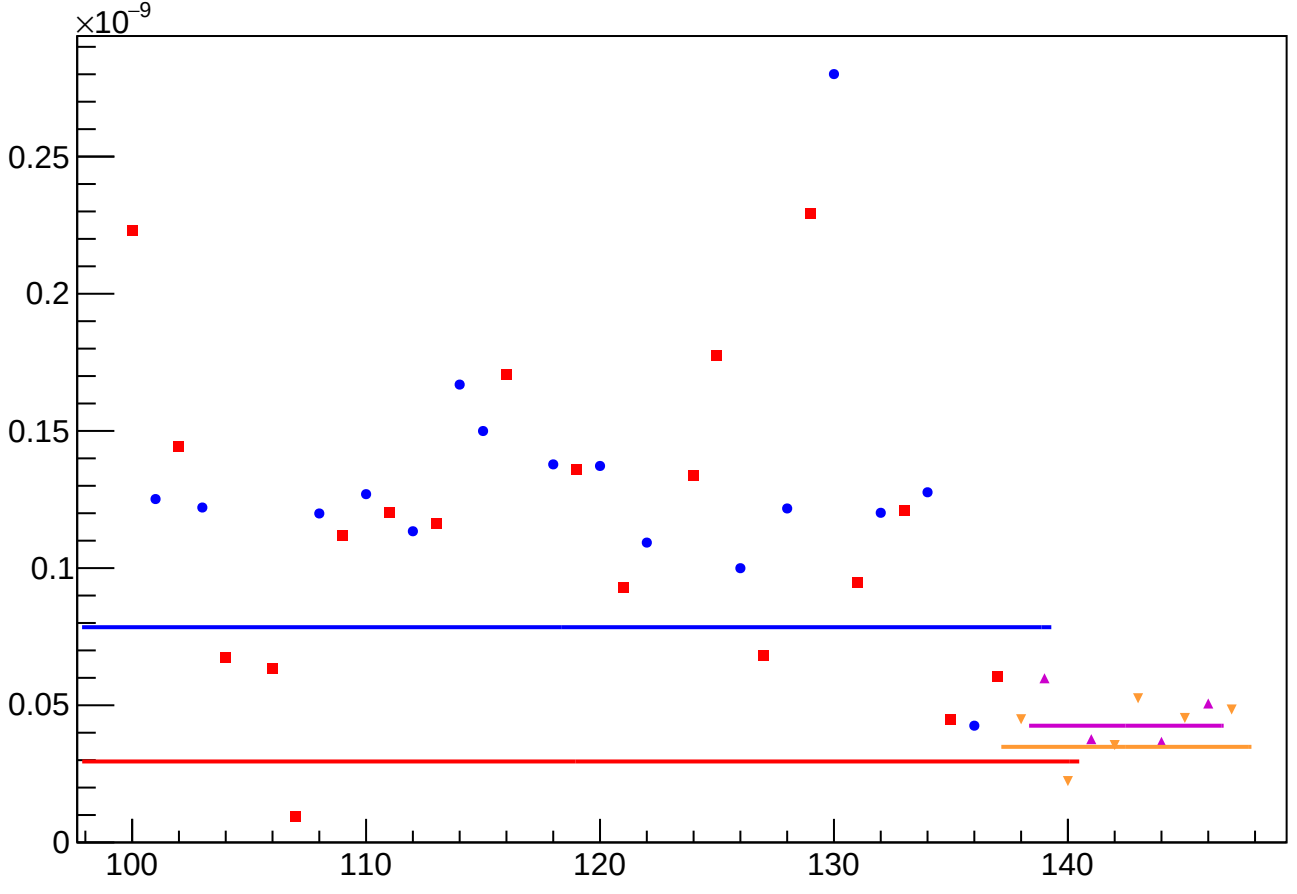
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/21

All: 0.000+/-0.000 χ^2/NDF: 38.1/44

- sign 0.000+/-0.000 χ^2/NDF: 22.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:597144.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

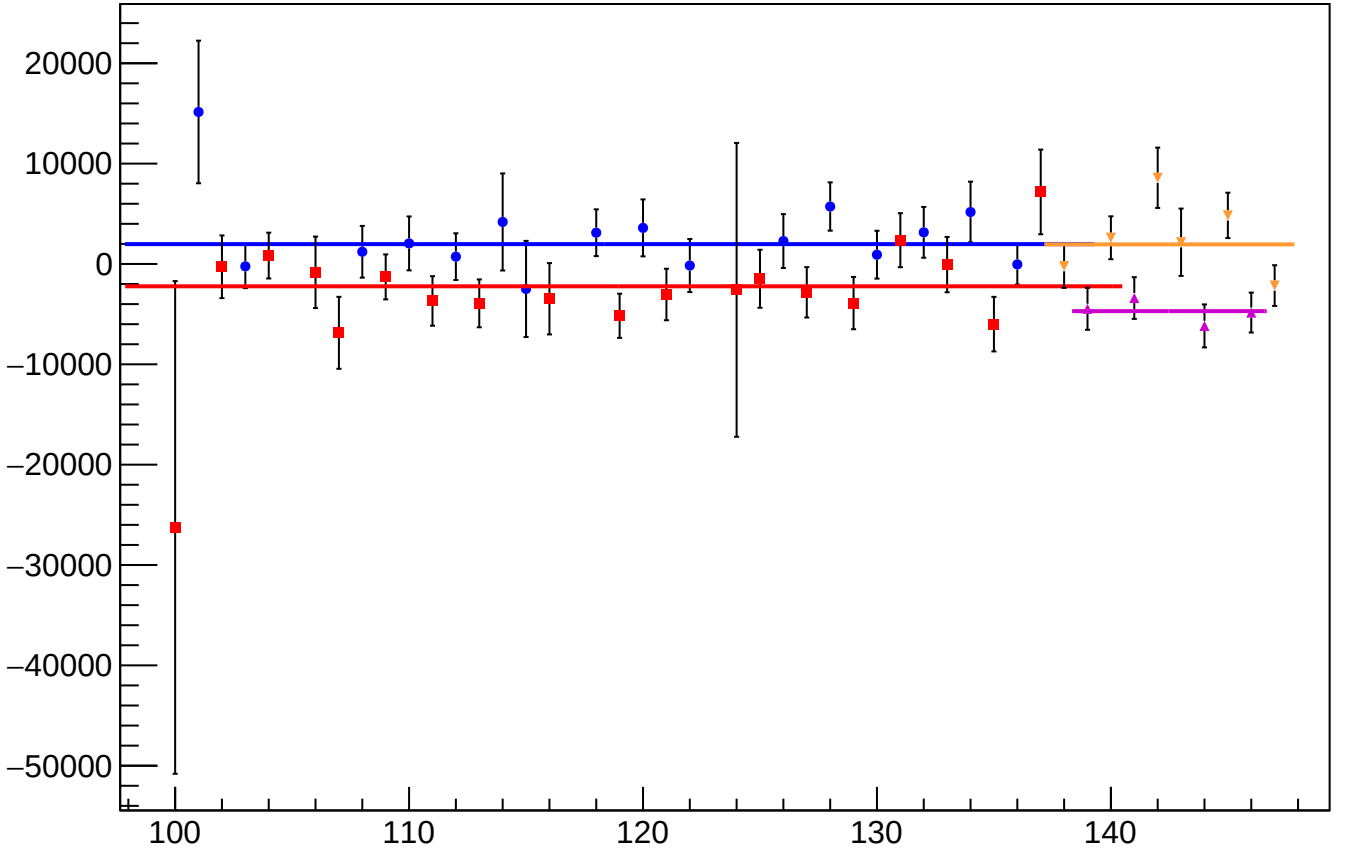
Left In: 0.000+/-0.000 χ^2/NDF:156184.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 4360754.1/21

All: 0.000+/-0.000 χ^2/NDF: 10515987.3/44

- sign 0.000+/-0.000 χ^2/NDF: 5886236.1/22

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.350+/-965.946 χ^2/NDF:11.7/5

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

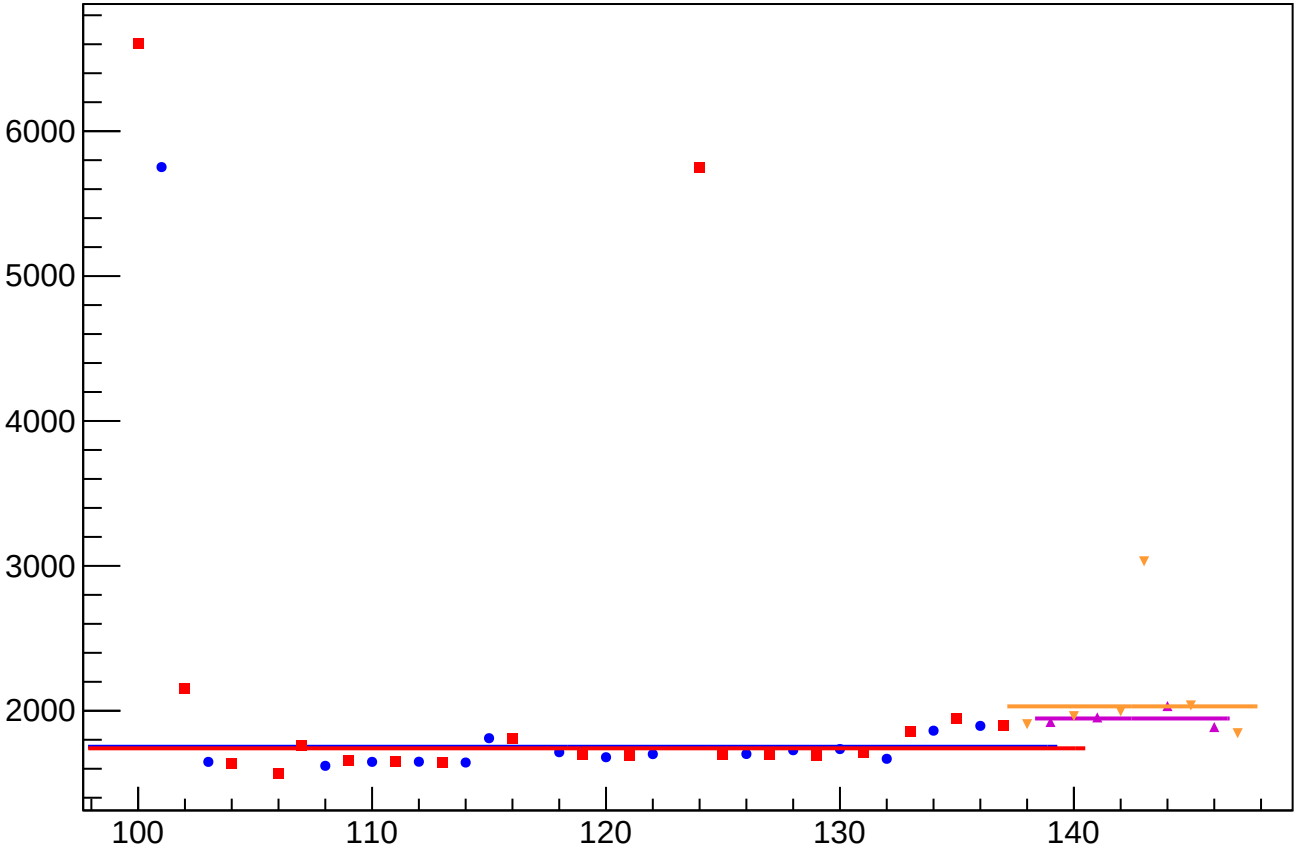
Left In: -4701.293+/-1036.237 χ^2/NDF:0.9/3

+ sign 1967.909+/-549.257 χ^2/NDF: 23.8/21

All: -460.391+/-390.204 χ^2/NDF: 87.2/44

- sign -2934.755+/-554.443 χ^2/NDF: 23.9/22

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

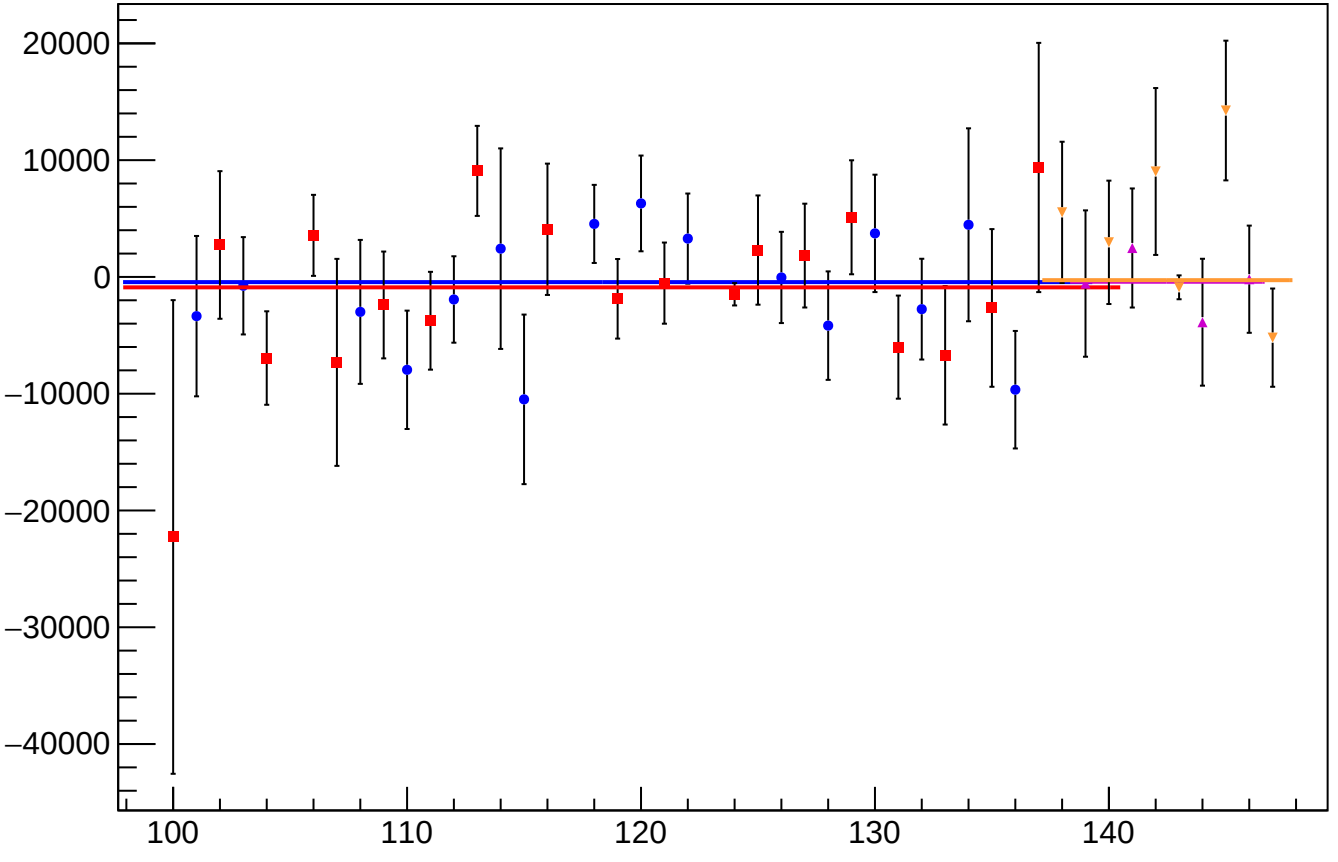
Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.775+/-0.388 χ^2/NDF: 986937.7/21

All: 1820.663+/-0.275 χ^2/NDF: 1359384.8/44

- sign 1799.376+/-0.390 χ^2/NDF: 366512.8/22

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -277.111+/-943.281 χ^2/NDF:10.6/5

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

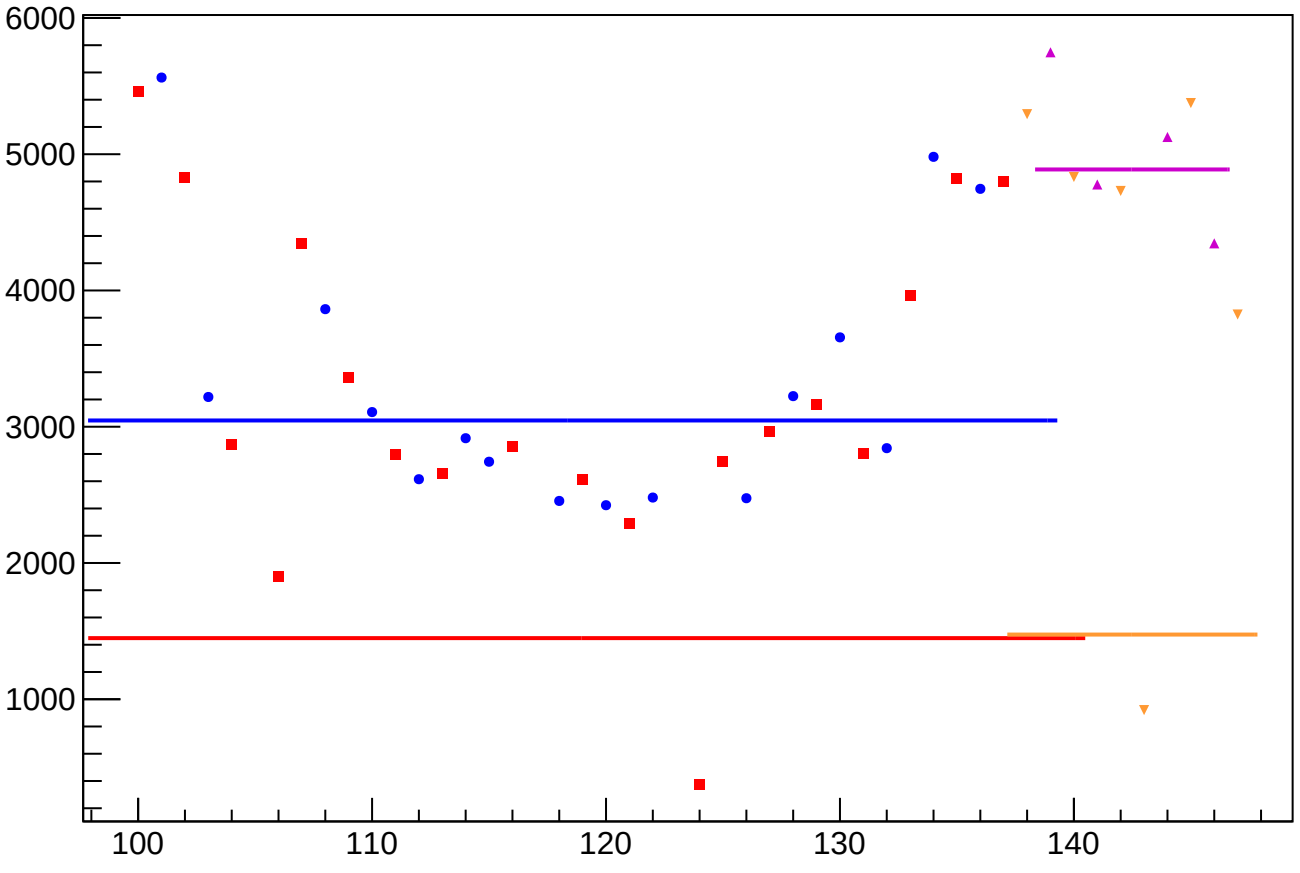
Left In: -411.311+/-2623.727 χ^2/NDF:0.7/3

+ sign -342.660+/-735.440 χ^2/NDF: 26.6/21

All: -613.269+/-506.840 χ^2/NDF: 47.7/44

- sign -858.056+/-699.471 χ^2/NDF: 20.8/22

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1474.657+/-0.667 χ^2/NDF:4083112.9/5

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

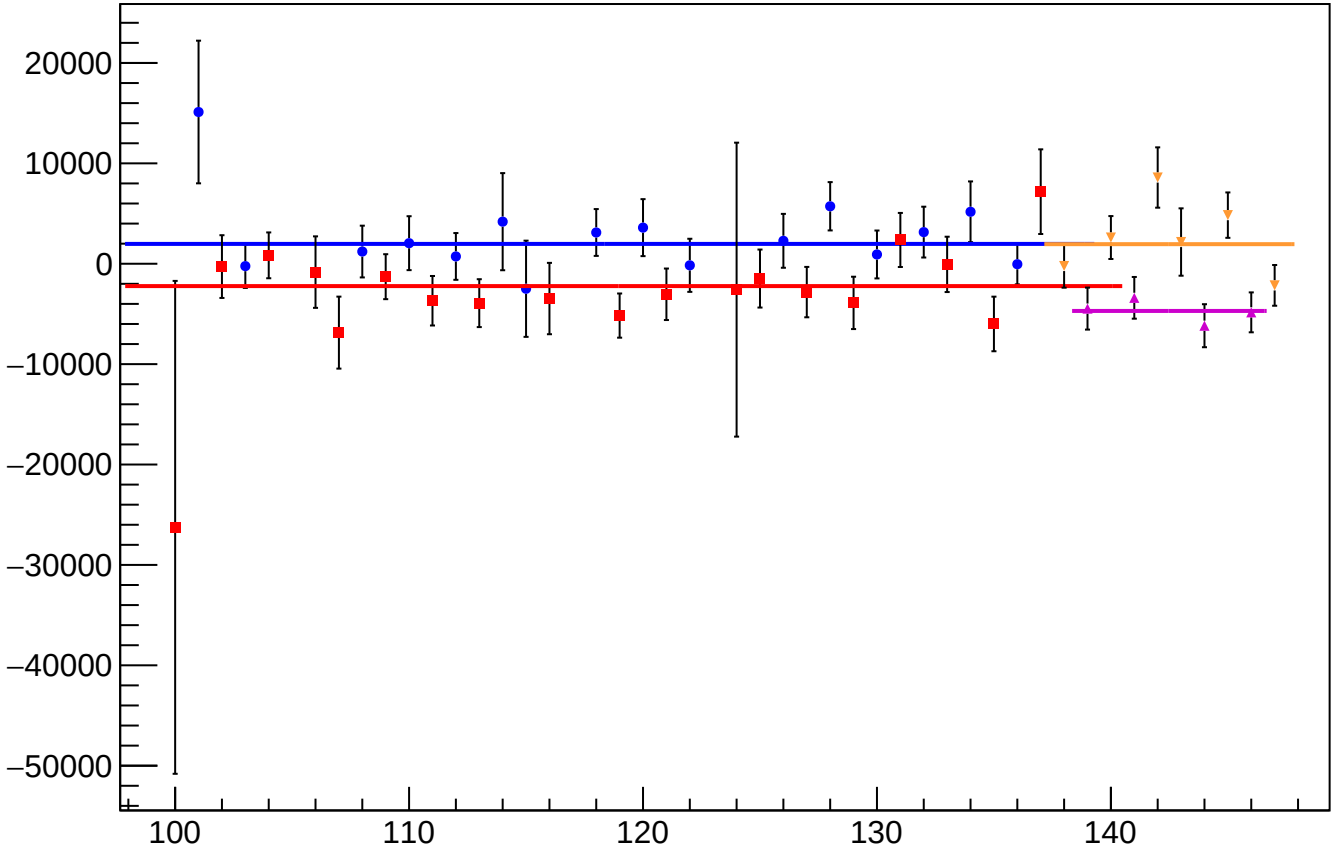
Left In: 4888.101+/-1.855 χ^2/NDF:70363.6/3

+ sign 2090.791+/-0.520 χ^2/NDF: 7166558.7/21

All: 1881.920+/-0.358 χ^2/NDF: 17524001.7/4

- sign 1692.980+/-0.495 χ^2/NDF: 10050193.1/22

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

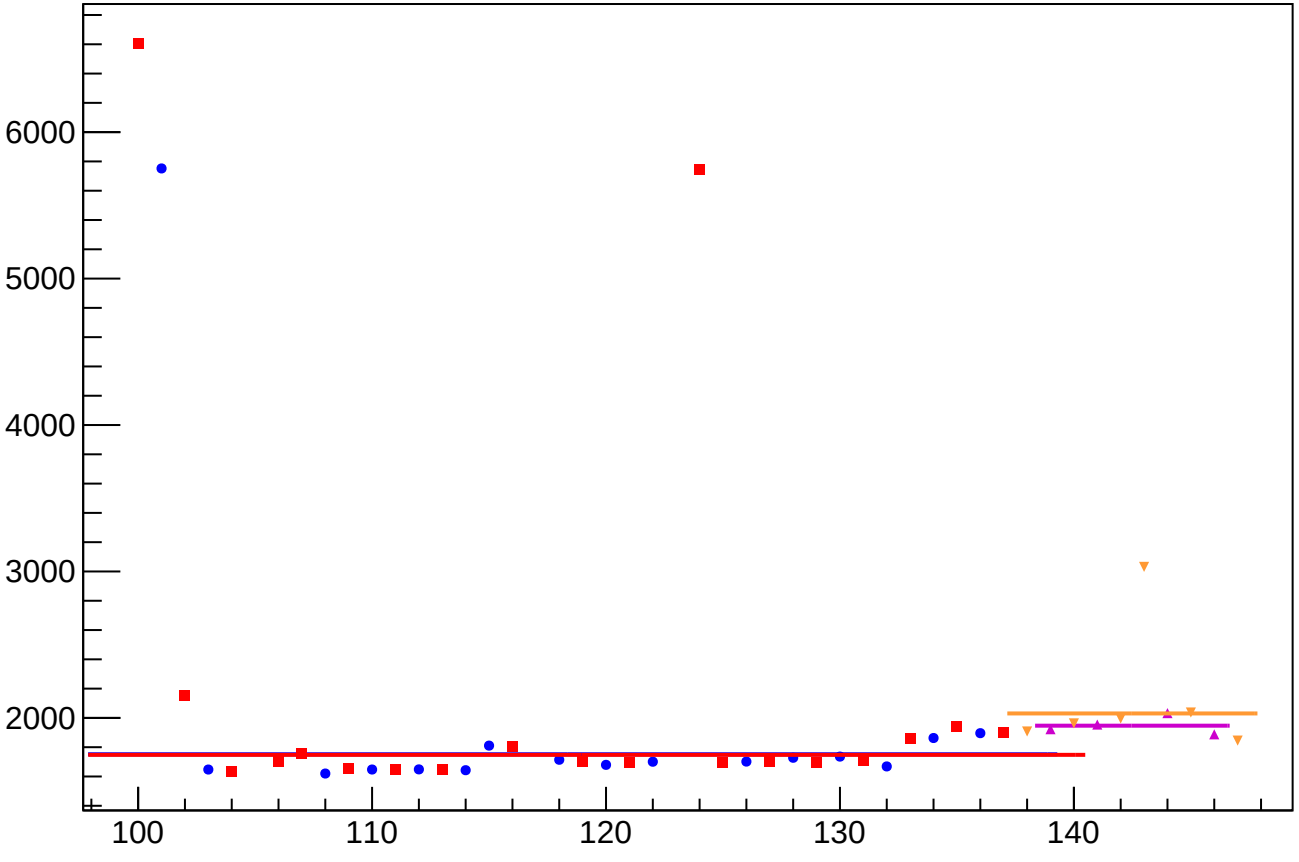
Left In: -4701.481+/-1036.237 χ^2/NDF:0.9/3

+ sign 1967.722+/-549.257 χ^2/NDF: 23.8/21

All: -460.547+/-390.204 χ^2/NDF: 87.2/44

- sign -2934.878+/-554.443 χ^2/NDF: 23.9/22

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

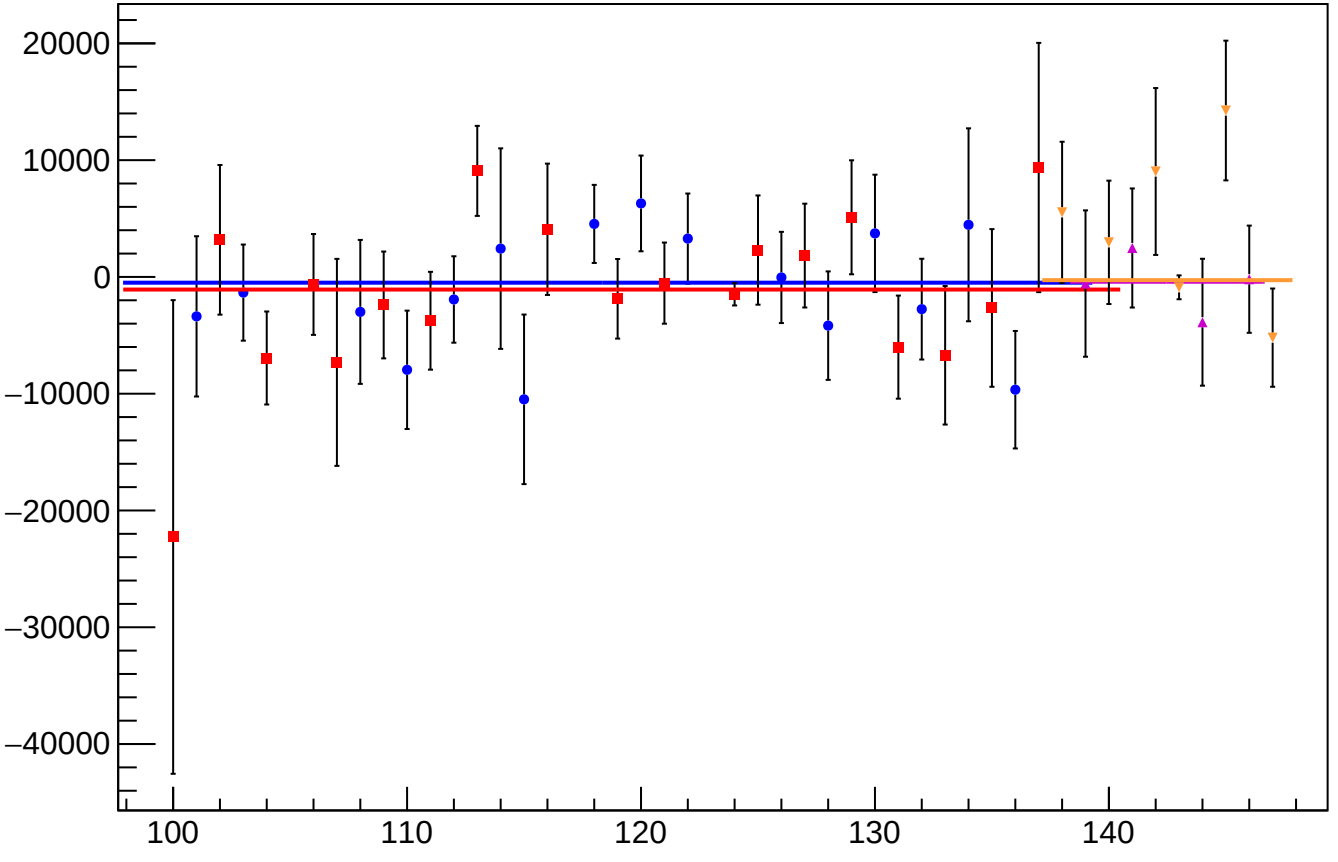
Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.775+/-0.388 χ^2/NDF: 986938.2/21

All: 1823.261+/-0.276 χ^2/NDF: 1347538.6/44

- sign 1804.497+/-0.391 χ^2/NDF: 356024.9/22

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -276.884+/-943.249 χ^2/NDF:10.6/5

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

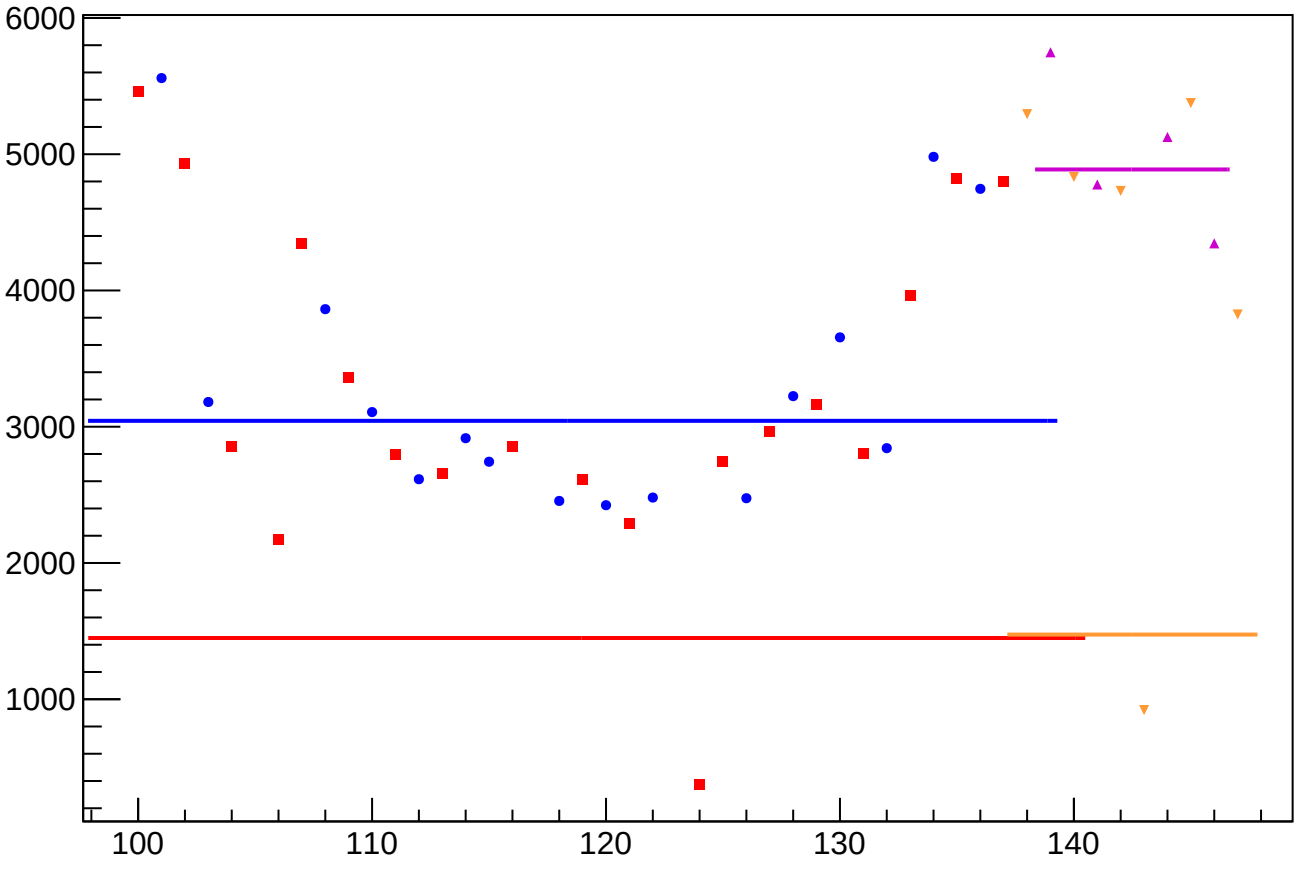
Left In: -411.287+/-2623.728 χ^2/NDF:0.7/3

+ sign -361.699+/-735.128 χ^2/NDF: 26.6/21

All: -711.391+/-508.674 χ^2/NDF: 46.3/44

- sign -1032.632+/-704.590 χ^2/NDF: 19.3/22

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

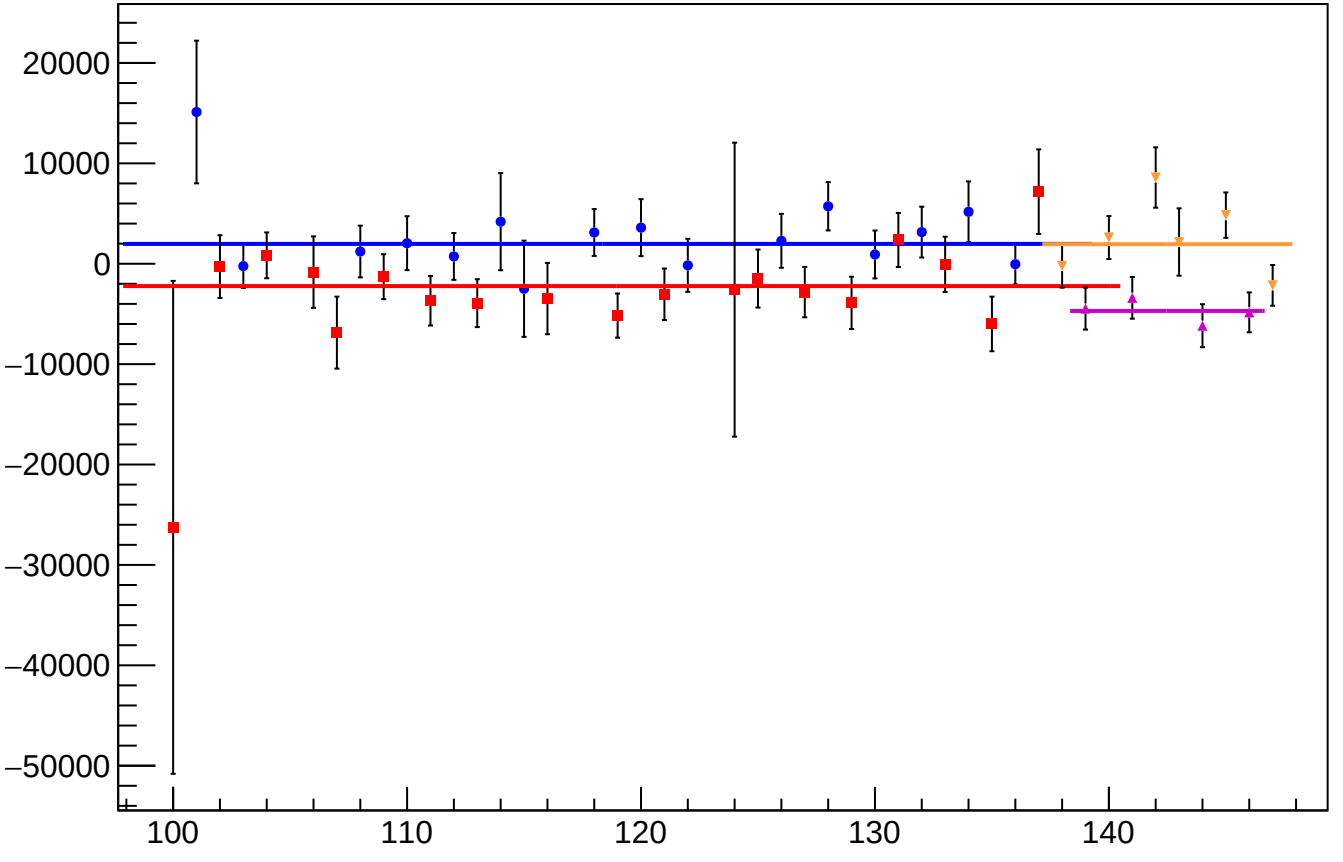
Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

+ sign 2090.455+/-0.520 χ^2/NDF: 7160606.8/21

All: 1885.643+/-0.360 χ^2/NDF: 17542011.9/4

- sign 1697.495+/-0.498 χ^2/NDF: 10083548.4/22

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

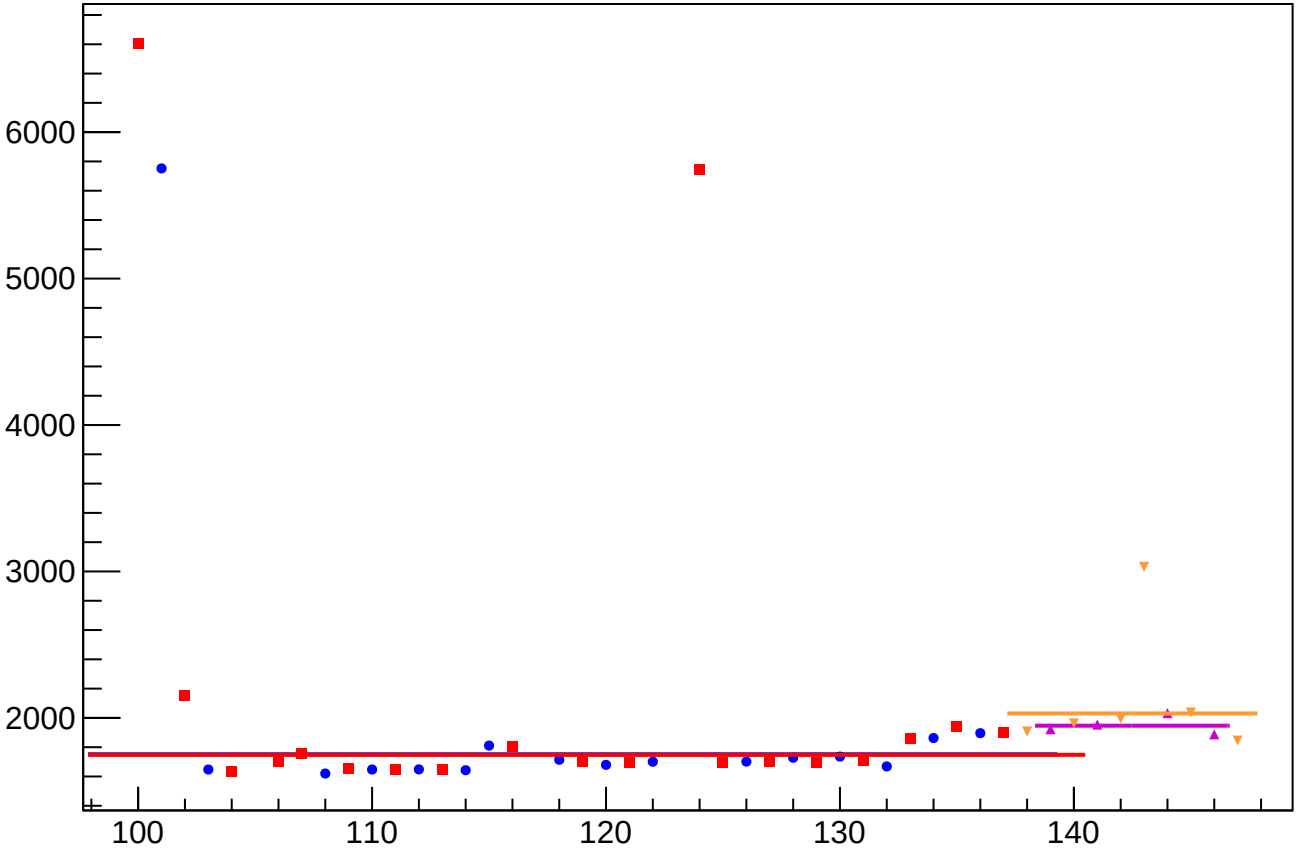
Left In: -4701.481+/-1036.237 χ^2/NDF:0.9/3

+ sign 1967.722+/-549.257 χ^2/NDF: 23.8/21

All: -460.547+/-390.204 χ^2/NDF: 87.2/44

- sign -2934.878+/-554.443 χ^2/NDF: 23.9/22

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

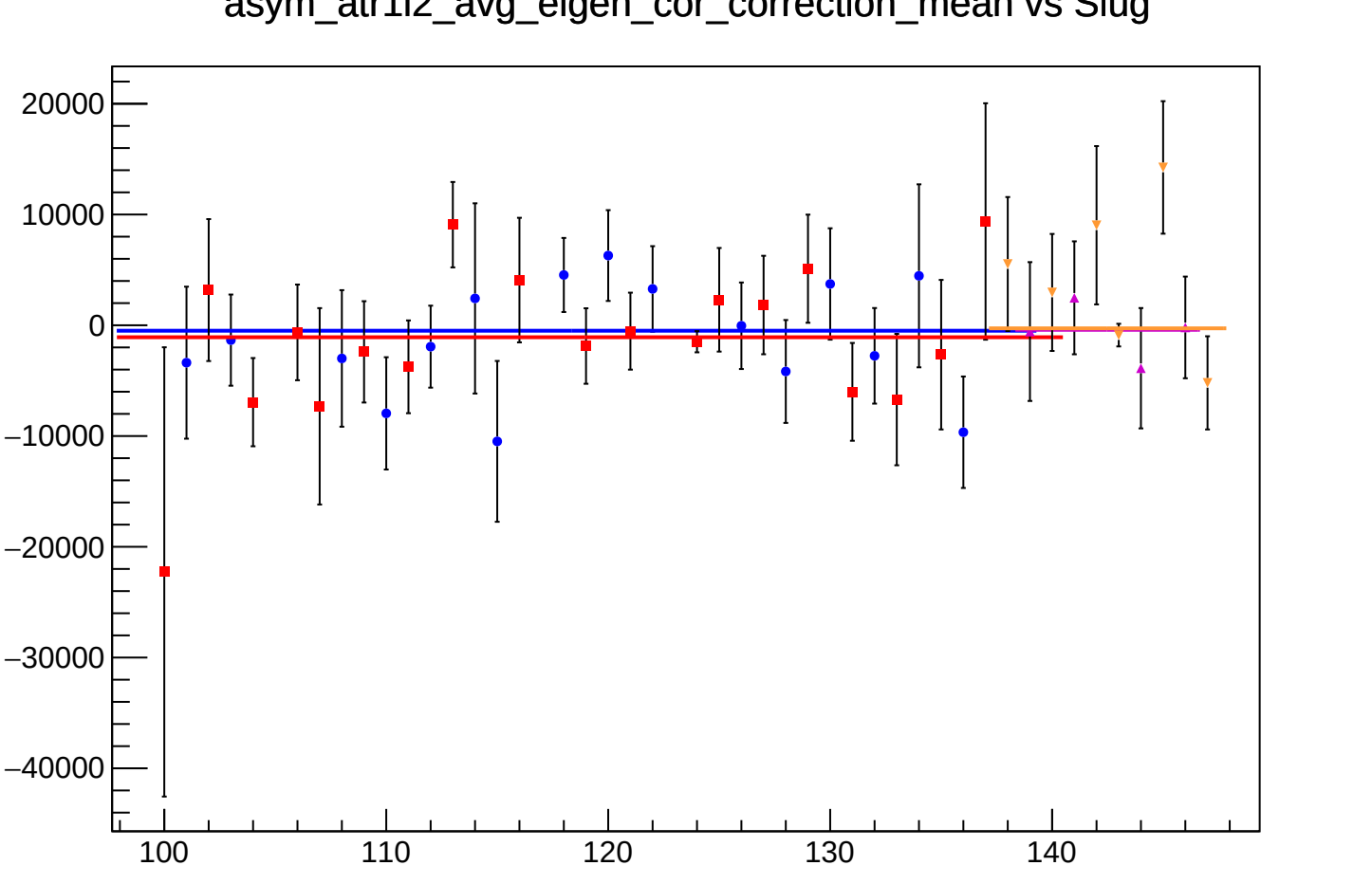
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.775+/-0.388 χ^2/NDF: 986938.2/21

All: 1823.261+/-0.276 χ^2/NDF: 1347538.6/44

- sign 1804.497+/-0.391 χ^2/NDF: 356024.9/22



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -276.884+/-943.249 χ^2/NDF:10.6/5

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

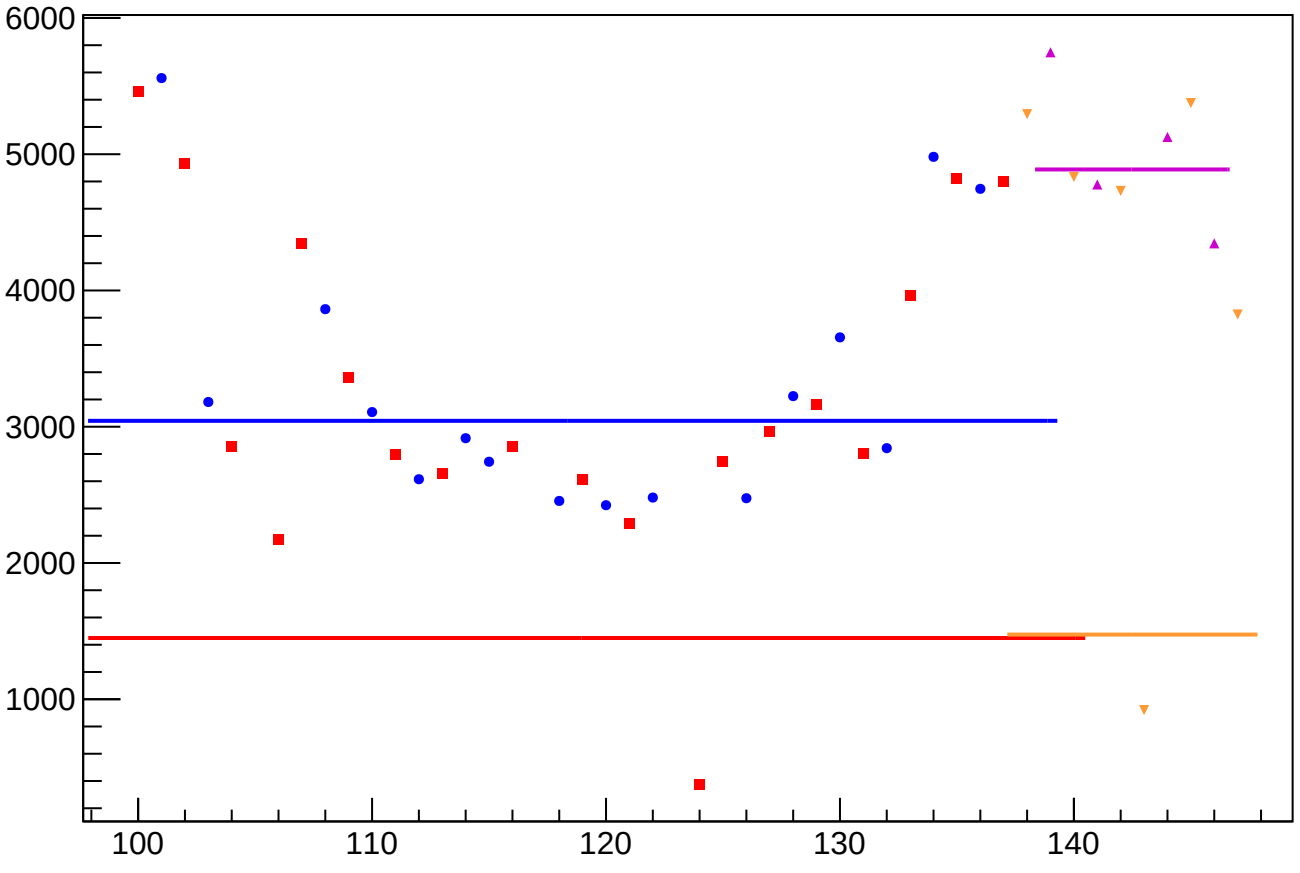
Left In: -411.287+/-2623.728 χ^2/NDF:0.7/3

+ sign -361.699+/-735.128 χ^2/NDF: 26.6/21

All: -711.391+/-508.674 χ^2/NDF: 46.3/44

- sign -1032.632+/-704.590 χ^2/NDF: 19.3/22

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

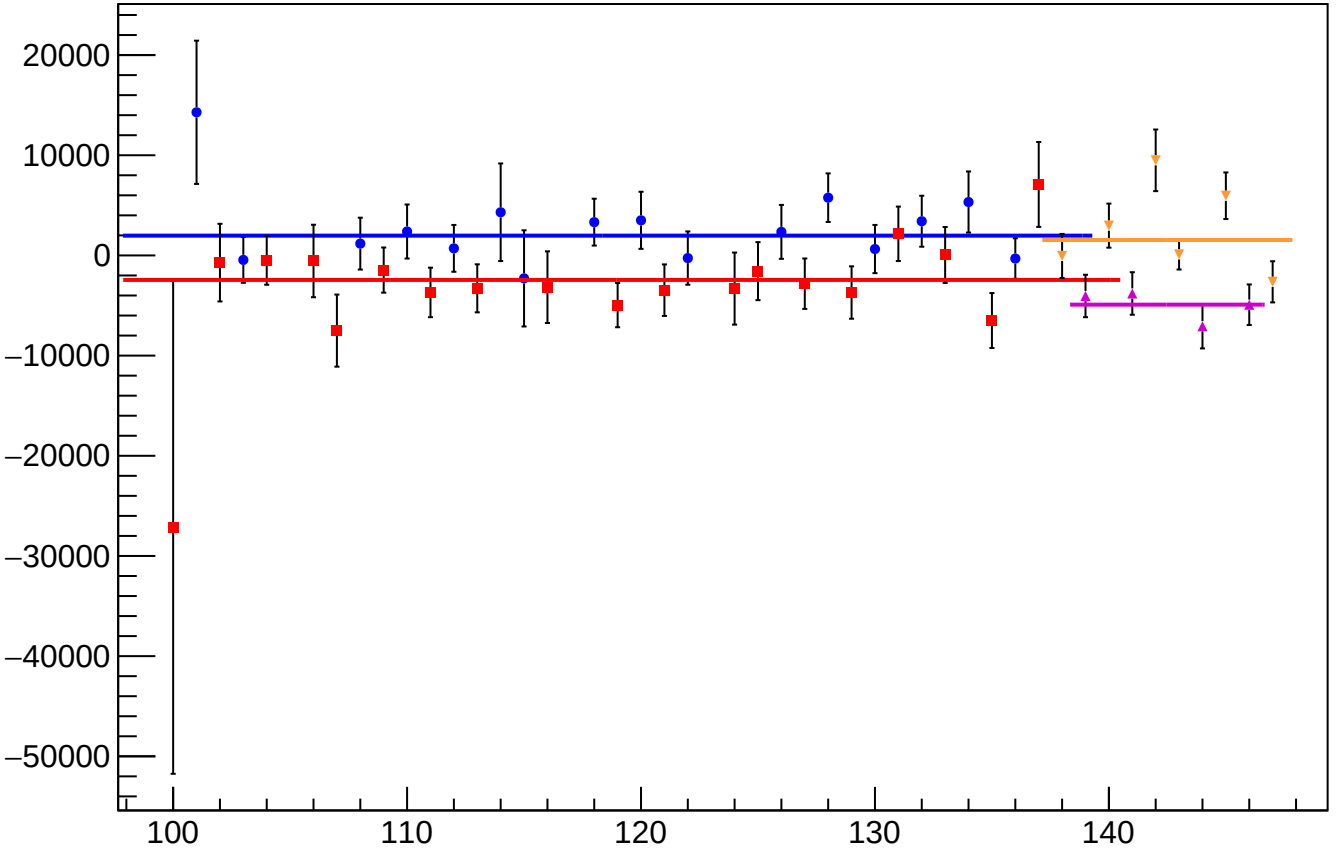
Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

+ sign 2090.455+/-0.520 χ^2/NDF: 7160606.8/21

All: 1885.643+/-0.360 χ^2/NDF: 17542011.9/4

- sign 1697.495+/-0.498 χ^2/NDF: 10083548.4/22

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.663+/-851.380 χ^2/NDF:16.3/5

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

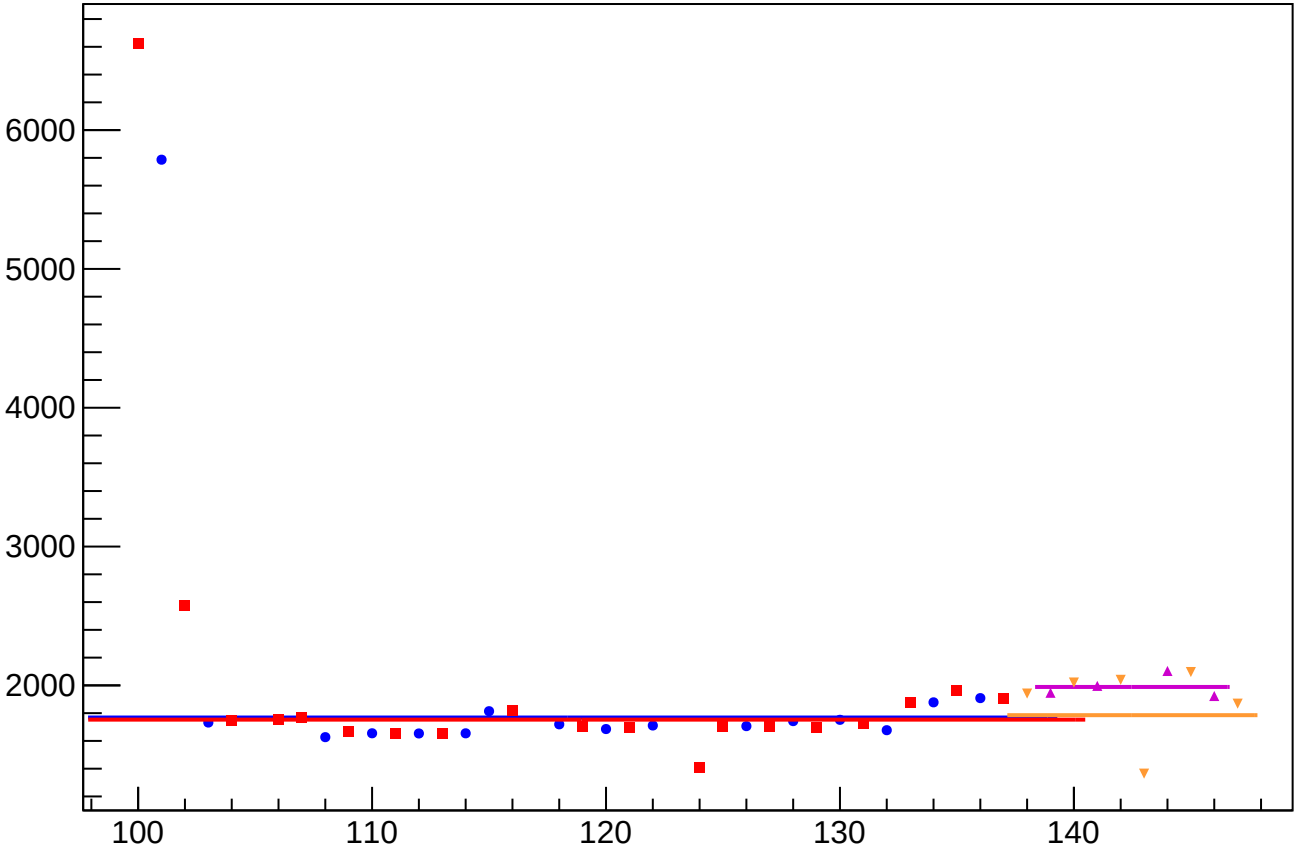
Left In: -4912.040+/-1058.784 χ^2/NDF:1.4/3

+ sign 1808.903+/-528.491 χ^2/NDF: 28.9/21

All: -524.150+/-383.927 χ^2/NDF: 92.9/44

- sign -3131.297+/-558.674 χ^2/NDF: 22.8/22

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.432+/-0.602 χ^2/NDF:241114.8/5

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

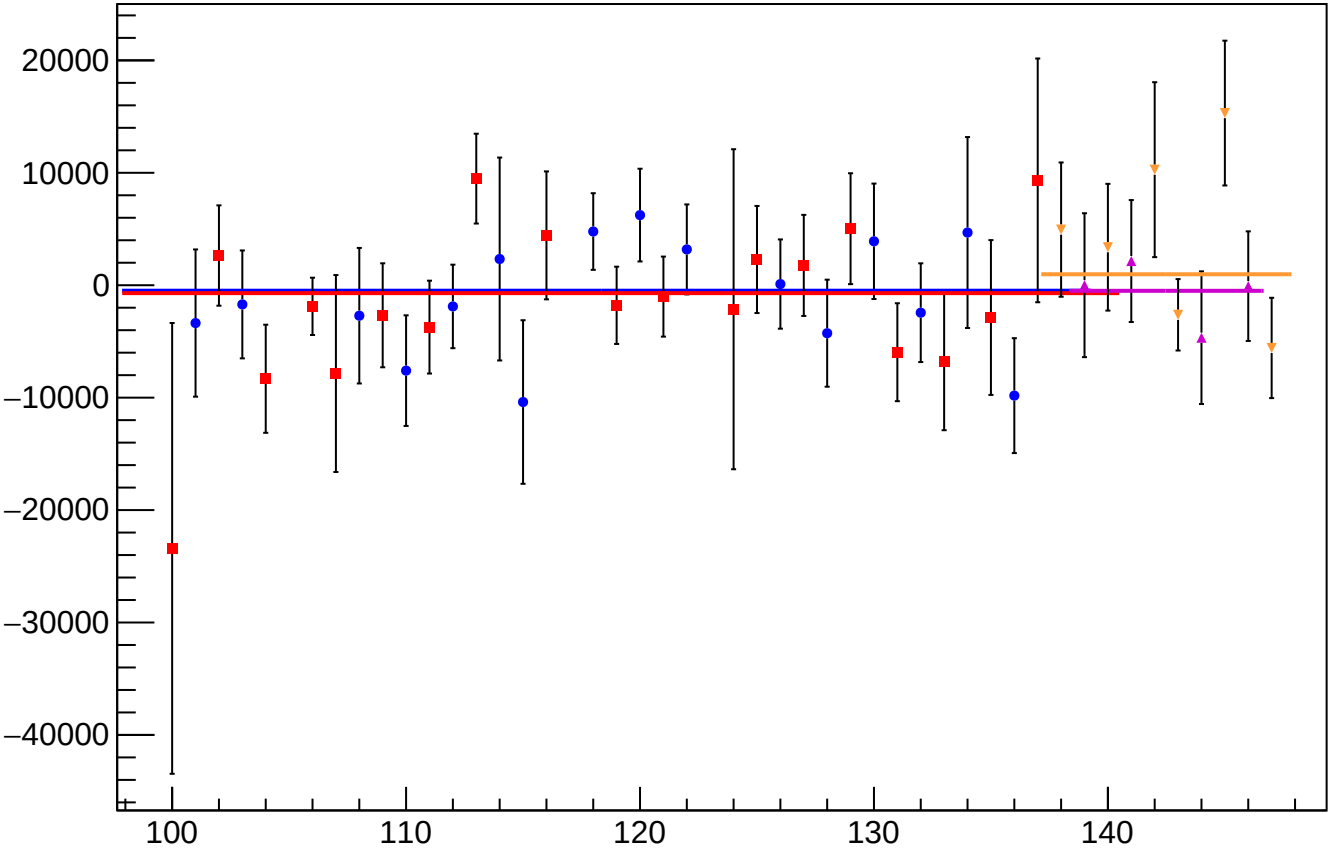
Left In: 1988.717+/-0.749 χ^2/NDF:8276.1/3

+ sign 1775.012+/-0.374 χ^2/NDF: 908969.6/21

All: 1795.664+/-0.271 χ^2/NDF: 1213966.0/44

- sign 1818.654+/-0.394 χ^2/NDF: 298542.7/22

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 974.773+/-2001.969 χ^2/NDF:10.5/5

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

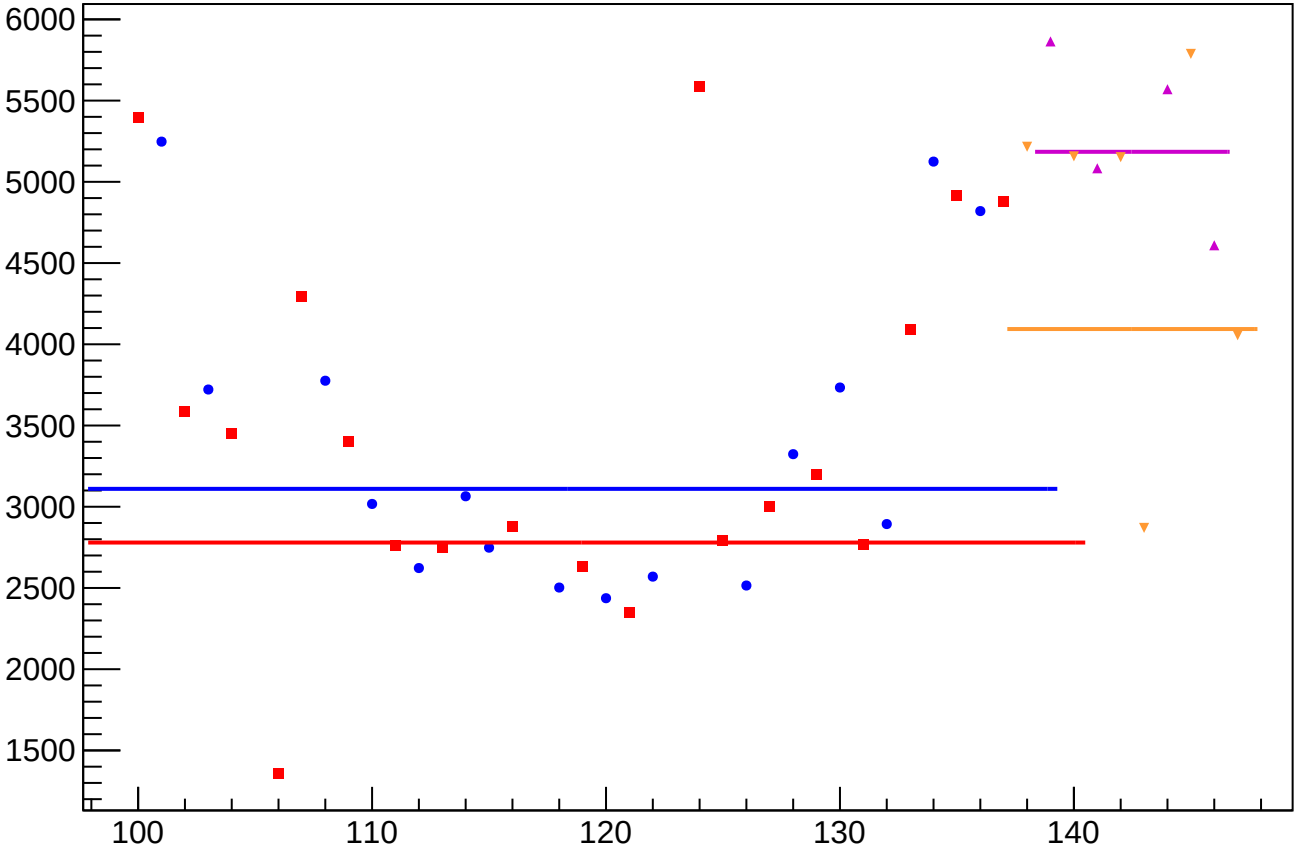
Left In: -497.706+/-2781.829 χ^2/NDF:0.8/3

\+ sign -102.141+/-1028.316 χ^2/NDF: 26.6/21

All: -398.021+/-716.259 χ^2/NDF: 46.4/44

\- sign -676.847+/-998.239 χ^2/NDF: 19.6/22

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4093.876+/-1.416 χ^2/NDF:614267.0/5

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

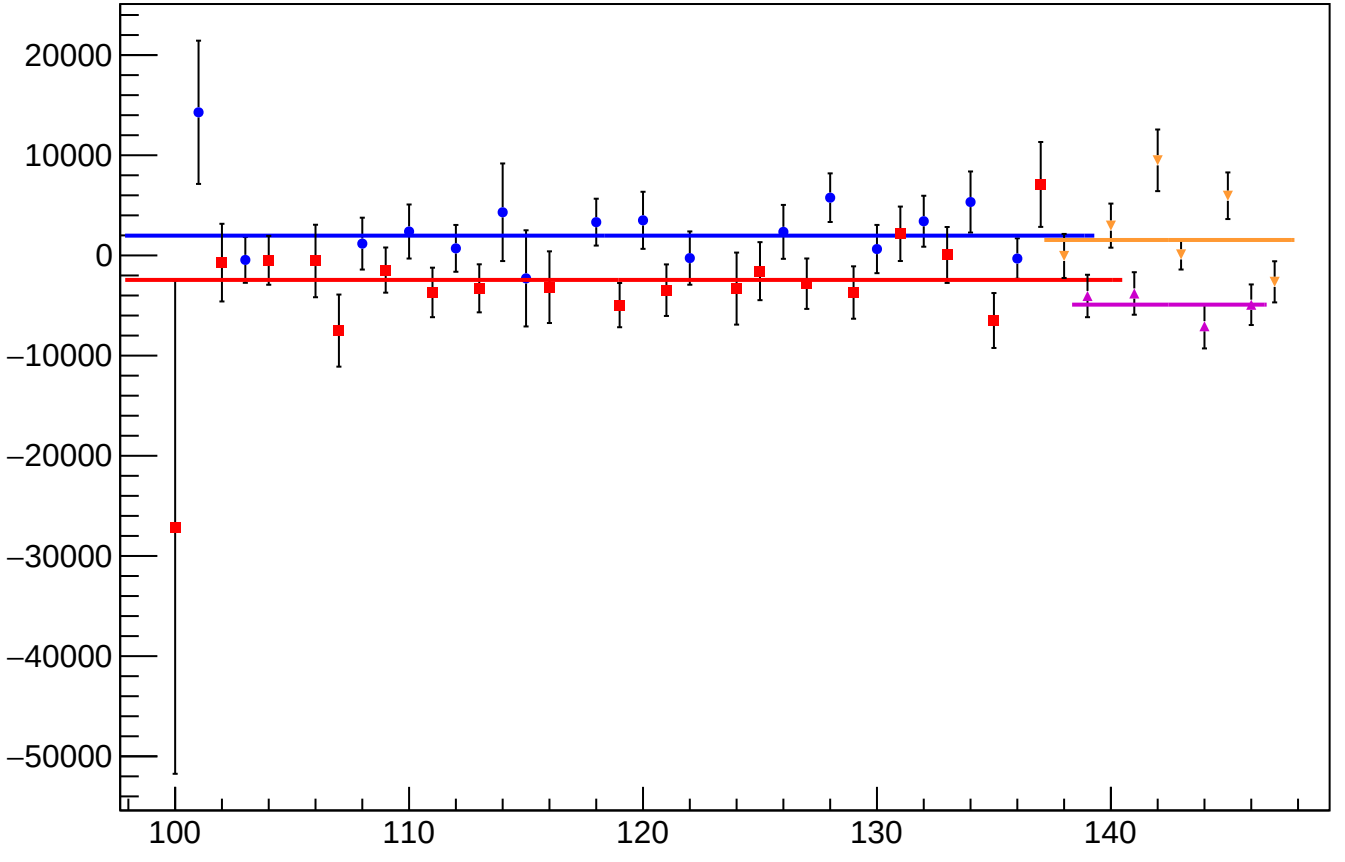
Left In: 5184.803+/-1.967 χ^2/NDF:59642.5/3

+ sign 3369.682+/-0.727 χ^2/NDF: 1853039.7/21

All: 3225.351+/-0.506 χ^2/NDF: 4639907.1/44

- sign 3089.339+/-0.706 χ^2/NDF: 2710338.3/22

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.669+/-851.380 χ^2/NDF:16.3/5

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

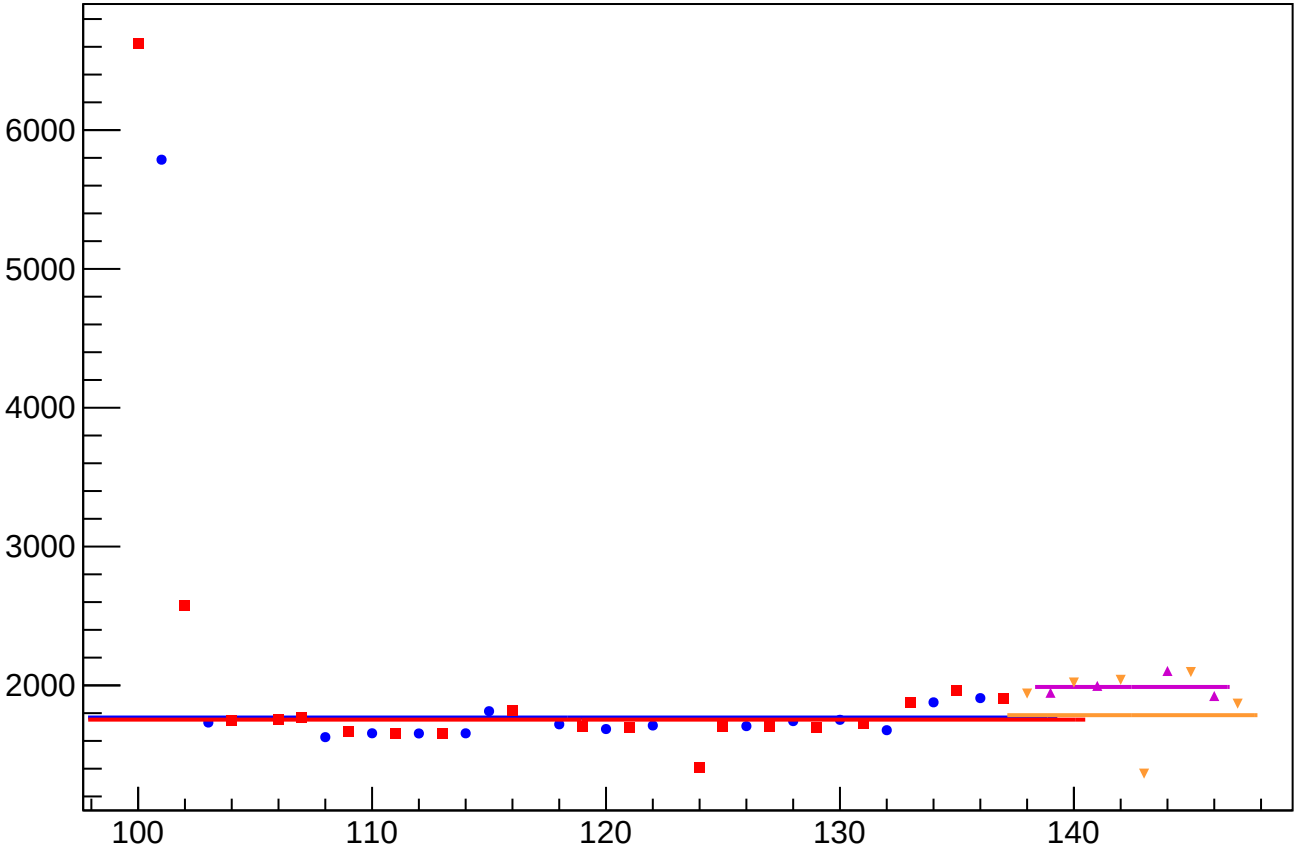
Left In: -4912.042+/-1058.785 χ^2/NDF:1.4/3

+ sign 1808.906+/-528.491 χ^2/NDF: 28.9/21

All: -524.148+/-383.927 χ^2/NDF: 92.9/44

- sign -3131.297+/-558.674 χ^2/NDF: 22.8/22

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.433+/-0.602 χ^2/NDF:241115.8/5

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

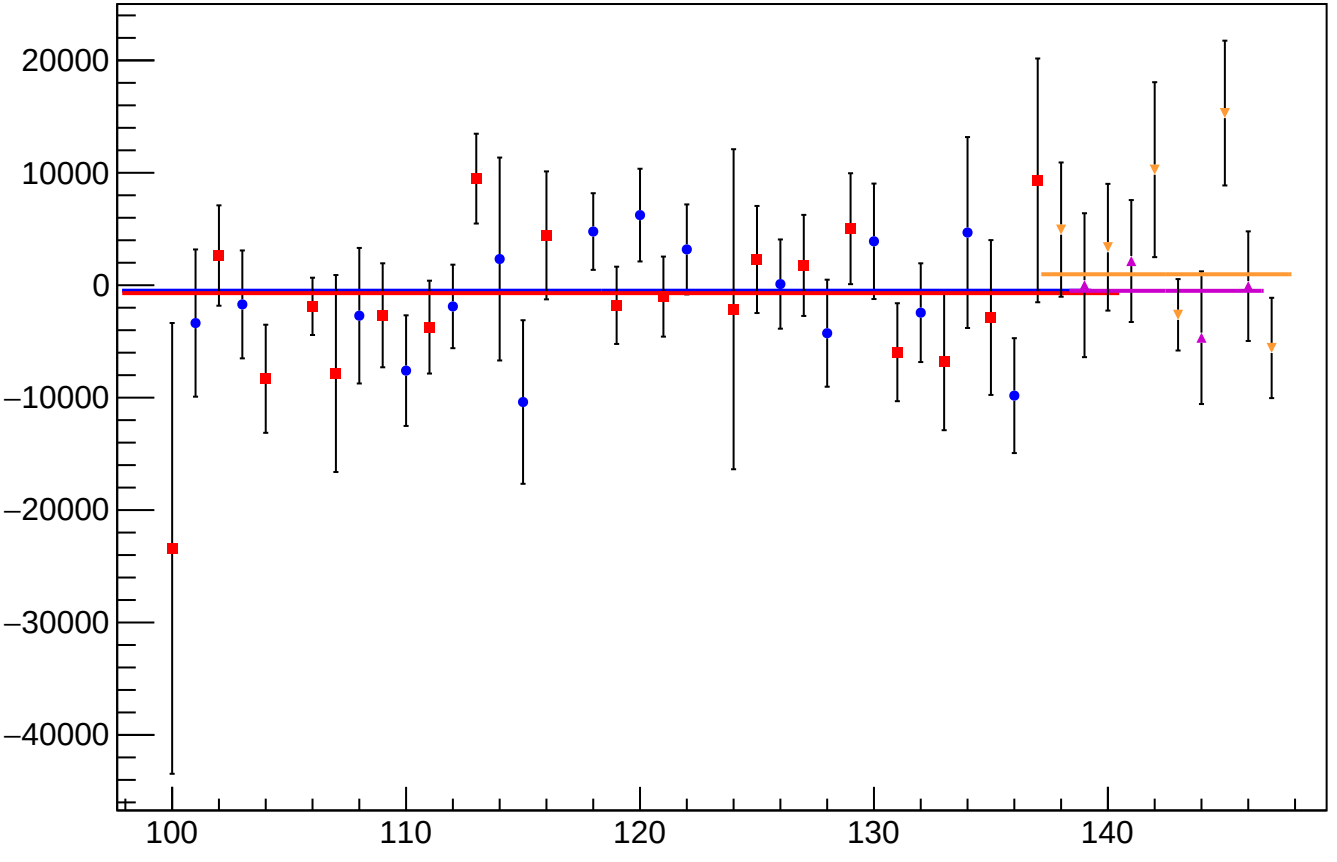
Left In: 1988.718+/-0.749 χ^2/NDF:8276.2/3

+ sign 1775.012+/-0.374 χ^2/NDF: 908970.6/21

All: 1795.664+/-0.271 χ^2/NDF: 1213968.0/44

- sign 1818.654+/-0.394 χ^2/NDF: 298543.6/22

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 974.766+/-2001.971 χ^2/NDF:10.5/5

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

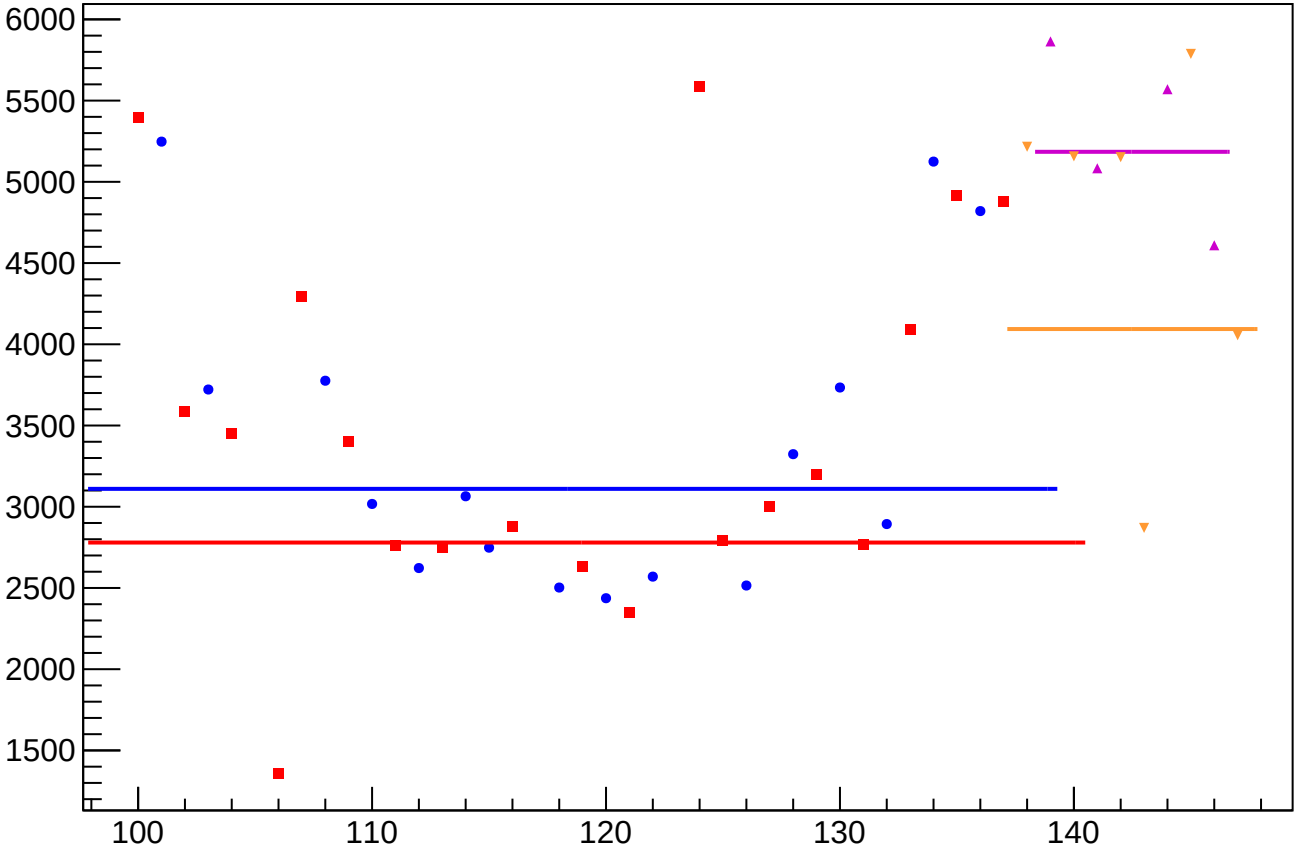
Left In: -497.706+/-2781.834 χ^2/NDF:0.8/3

+ sign -102.140+/-1028.314 χ^2/NDF: 26.6/21

All: -398.022+/-716.257 χ^2/NDF: 46.4/44

- sign -676.848+/-998.236 χ^2/NDF: 19.6/22

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4093.880+/-1.416 χ^2/NDF:614272.1/5

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

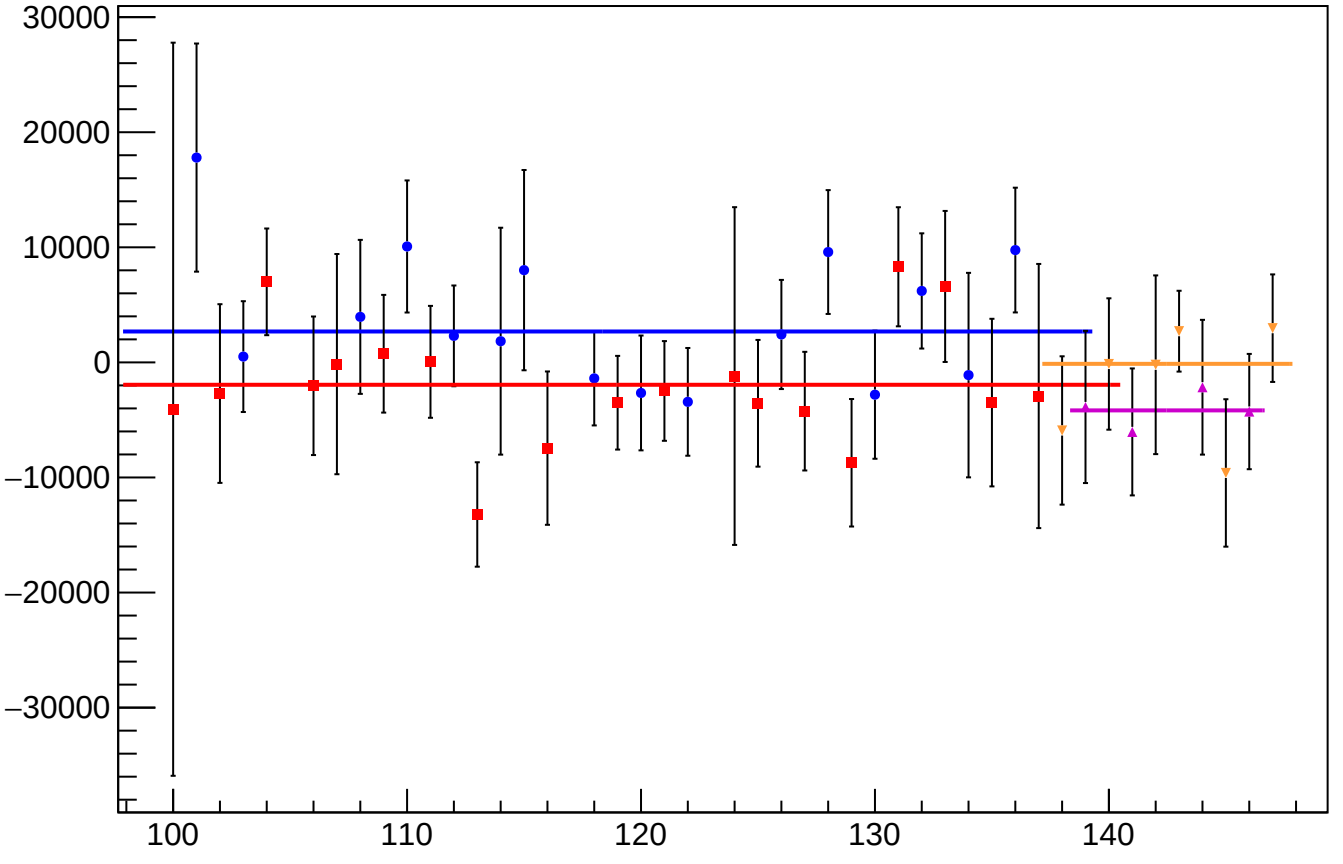
Left In: 5184.812+/-1.967 χ^2/NDF:59643.6/3

+ sign 3369.673+/-0.727 χ^2/NDF: 1853065.1/21

All: 3225.340+/-0.506 χ^2/NDF: 4639976.2/44

- sign 3089.326+/-0.706 χ^2/NDF: 2710379.4/22

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -126.871+/-2119.495 χ^2/NDF:4.1/5

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

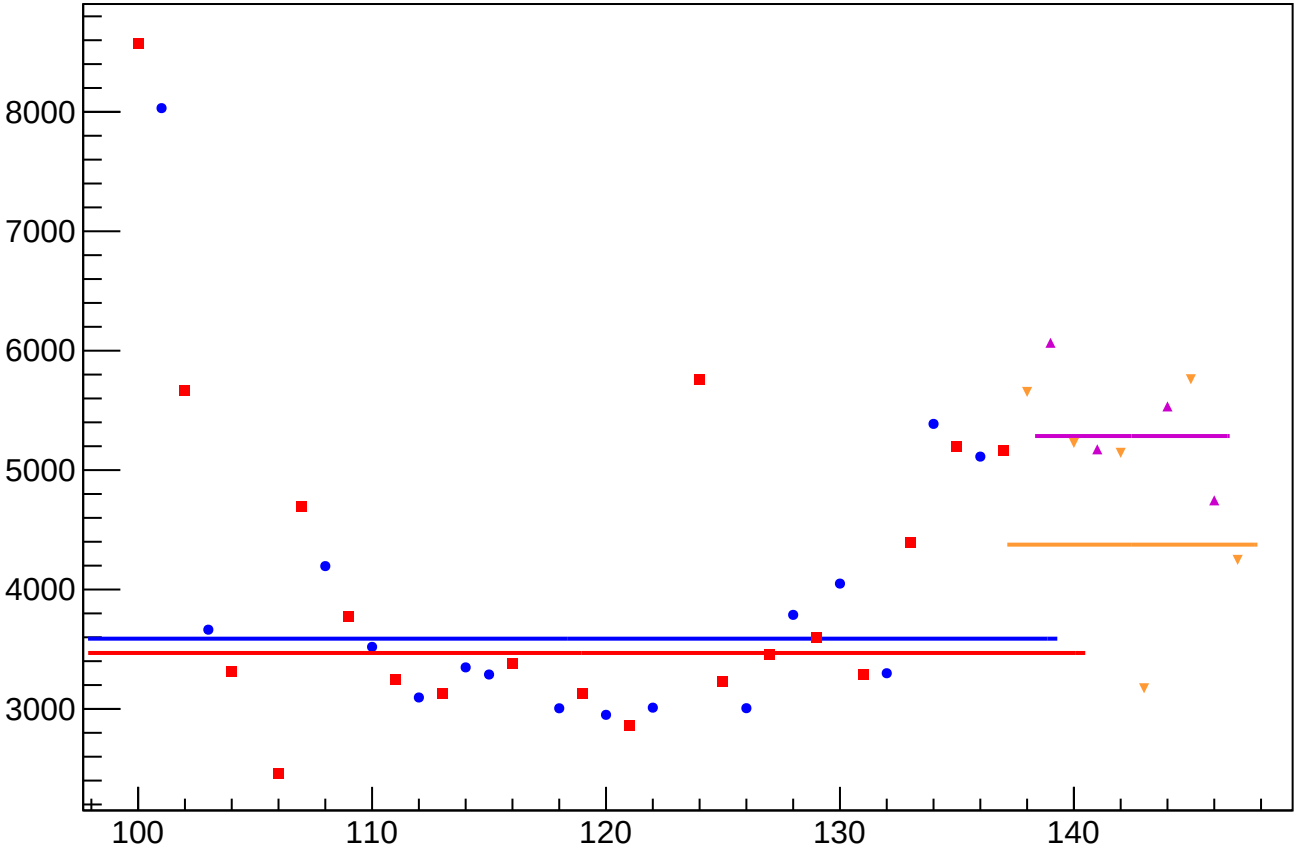
Left In: -4171.589+/-2831.190 χ^2/NDF:0.2/3

+ sign 1848.226+/-1156.416 χ^2/NDF: 18.8/21

All: -162.605+/-834.689 χ^2/NDF: 44.5/44

- sign -2349.577+/-1206.002 χ^2/NDF: 19.4/22

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4375.833+/-1.499 χ^2/NDF:472517.2/5

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

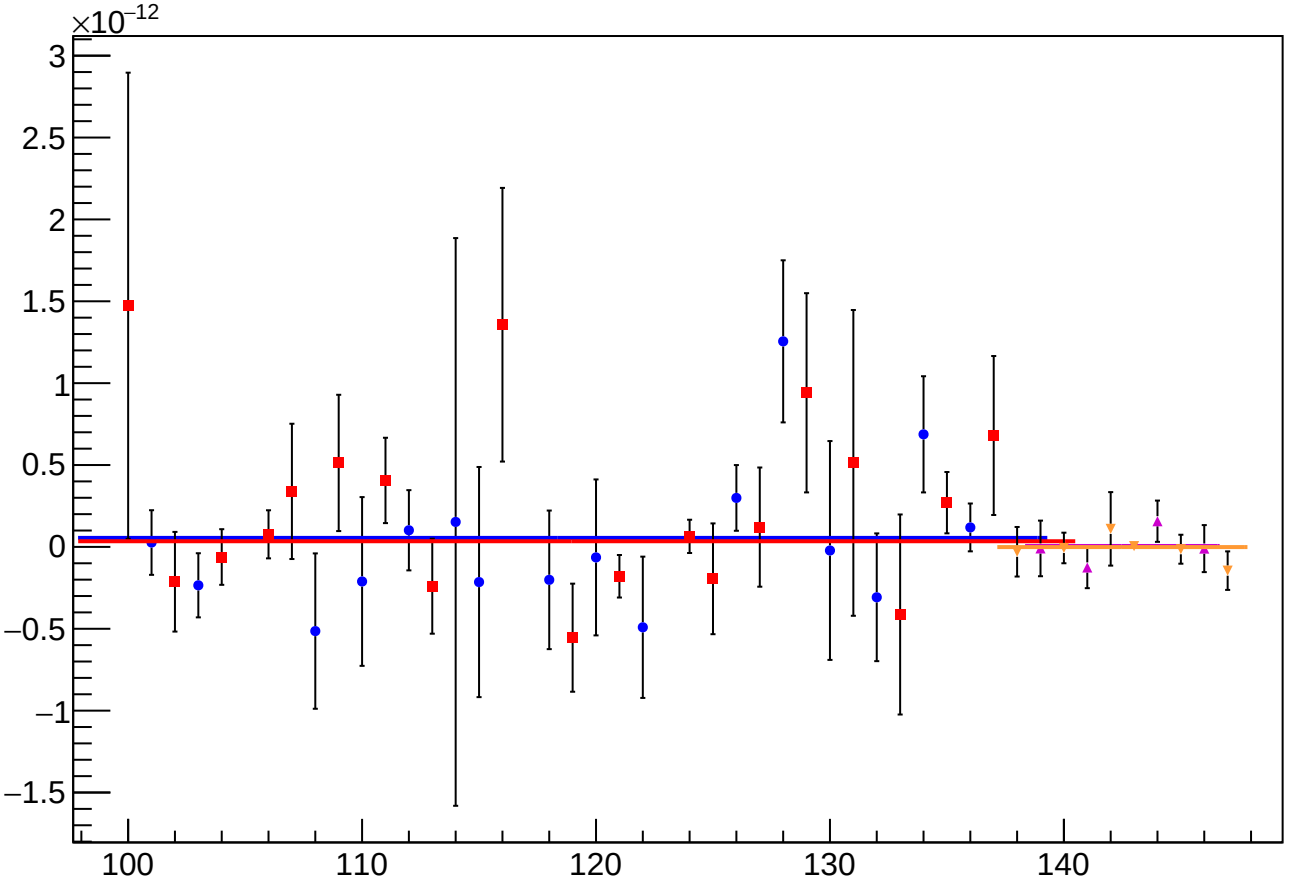
Left In: 5285.340+/-2.002 χ^2/NDF:55426.5/3

+ sign 3822.832+/-0.818 χ^2/NDF: 1511596.1/21

All: 3806.942+/-0.587 χ^2/NDF: 2912128.3/44

- sign 3790.090+/-0.842 χ^2/NDF: 1399754.2/22

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:1.9/5

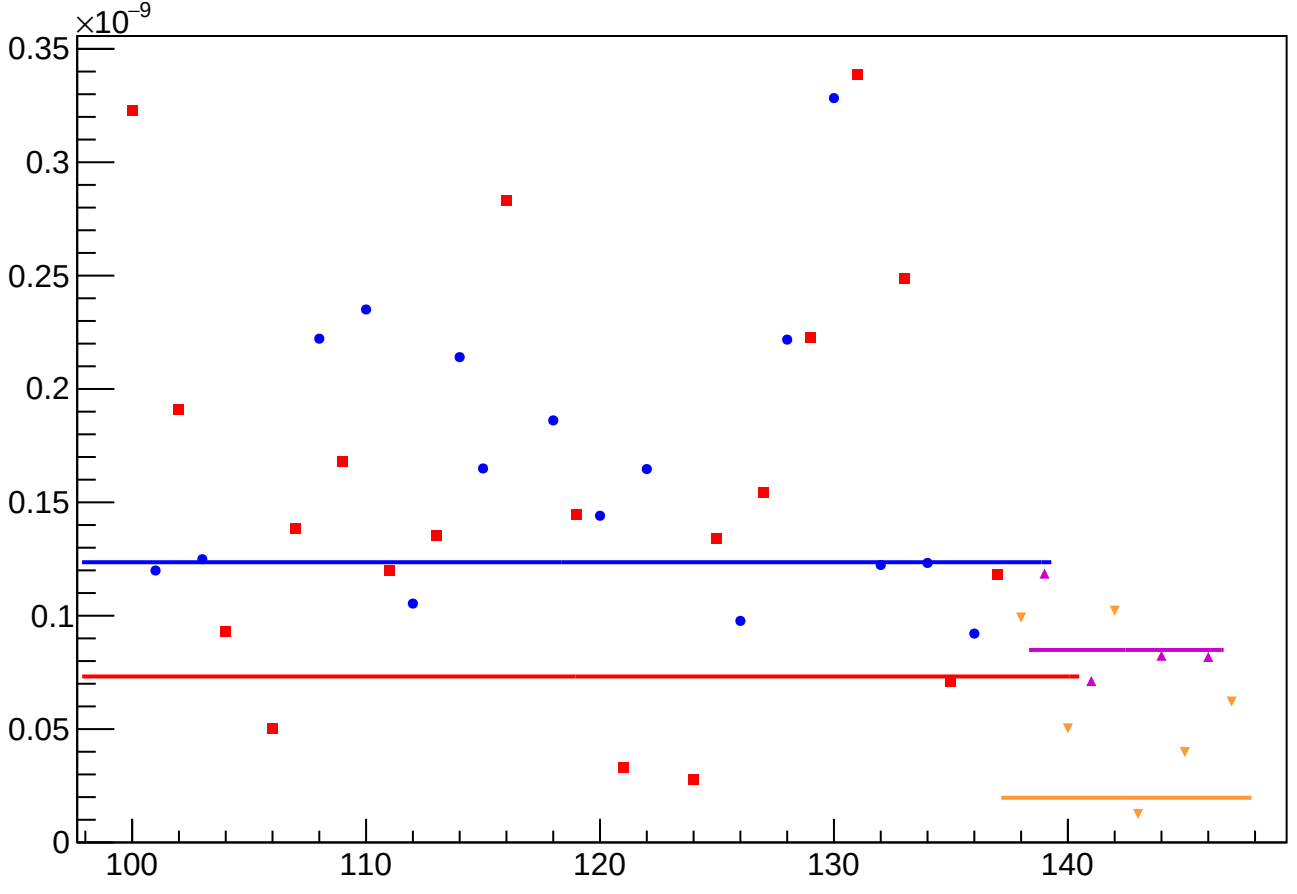
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/21

All: 0.000+/-0.000 χ^2/NDF: 45.3/44

- sign 0.000+/-0.000 χ^2/NDF: 24.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1604938.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

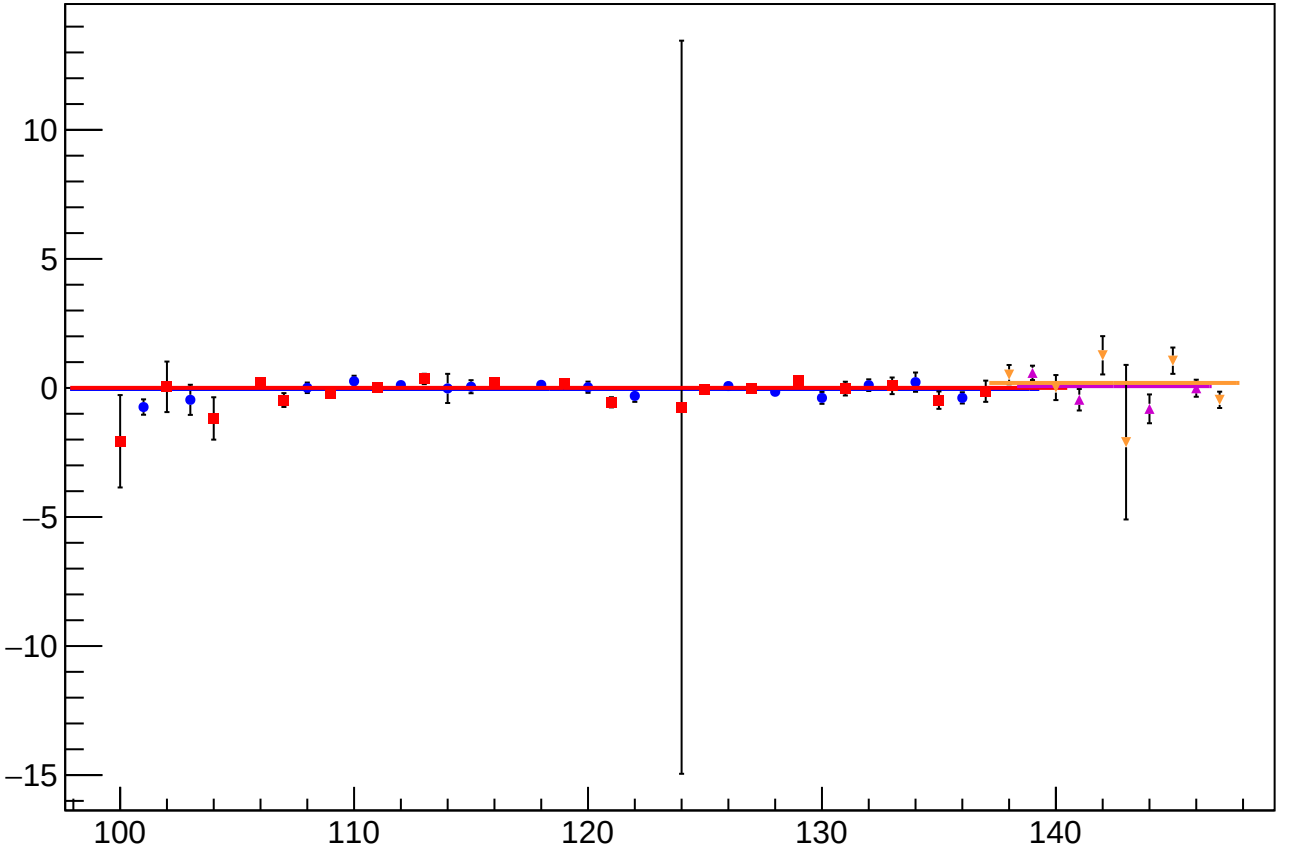
Left In: 0.000+/-0.000 χ^2/NDF:103862.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 6004834.3/21

All: 0.000+/-0.000 χ^2/NDF: 10656181.8/44

- sign 0.000+/-0.000 χ^2/NDF: 2328587.9/22

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

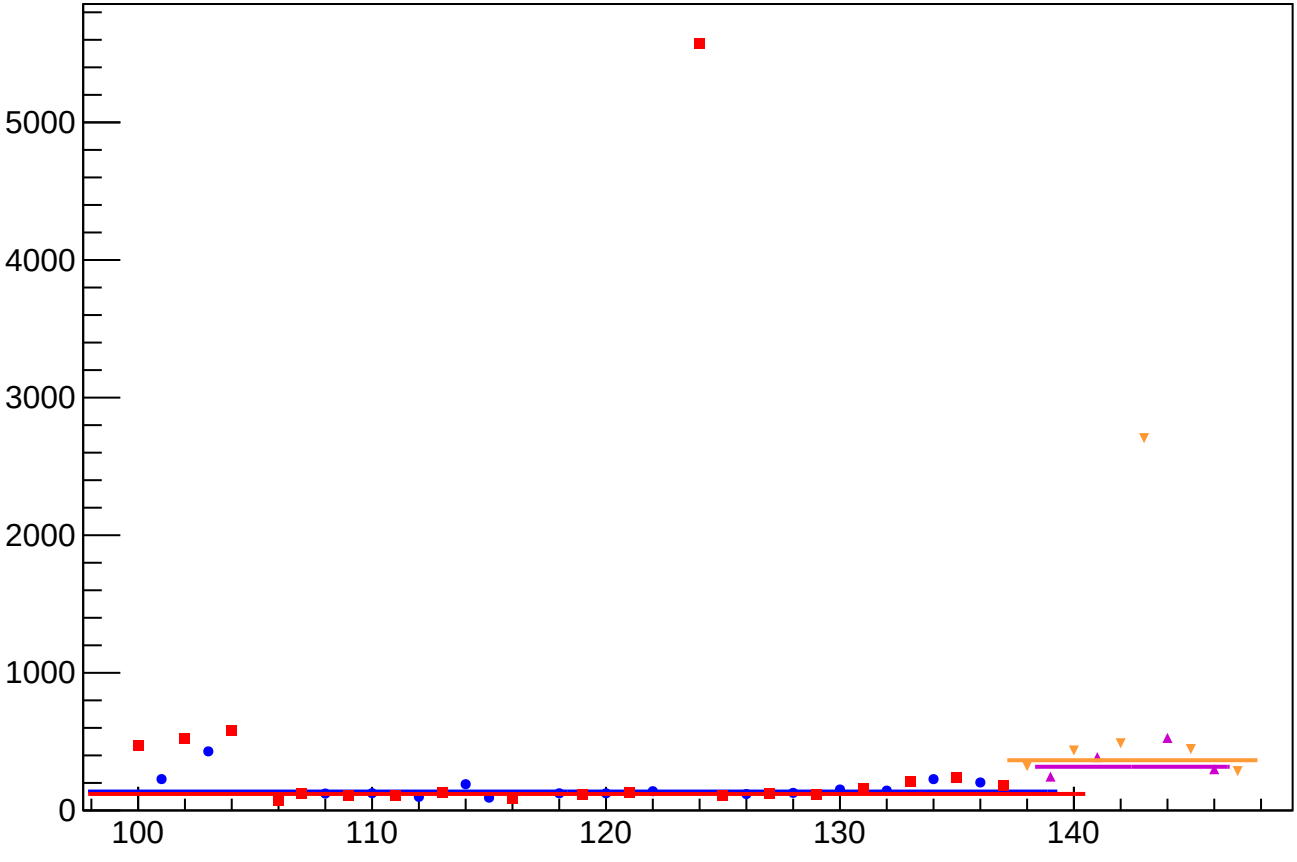
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.005+/-0.036 χ^2/NDF: 66.6/44

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

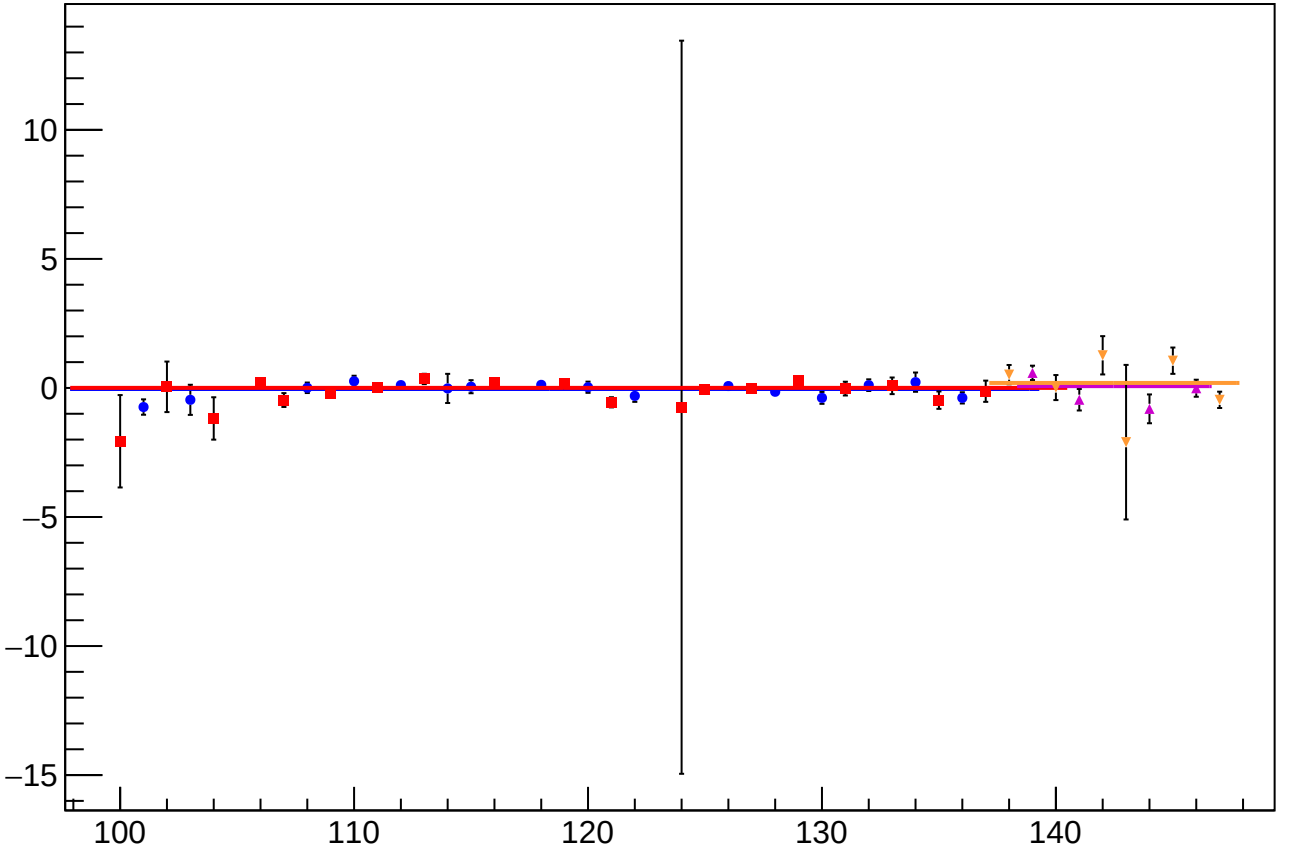
Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

+ sign 155.179+/-0.038 χ^2/NDF: 5385641.2/21

All: 144.021+/-0.026 χ^2/NDF: 10396779.7/44

- sign 134.696+/-0.035 χ^2/NDF: 4852012.4/22

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: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

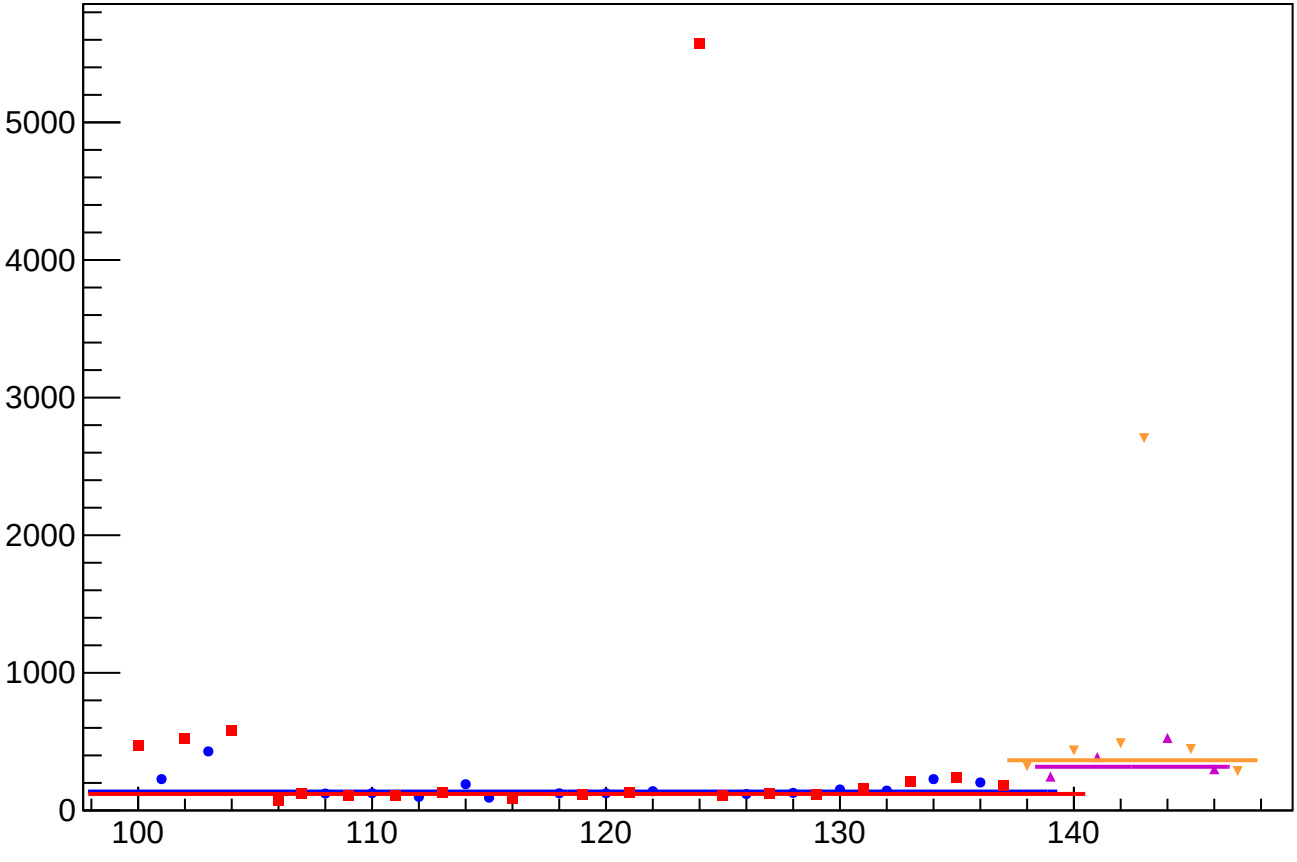
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.005+/-0.036 χ^2/NDF: 66.6/44

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

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: 364.873+/-0.136 χ^2/NDF:1521518.8/5

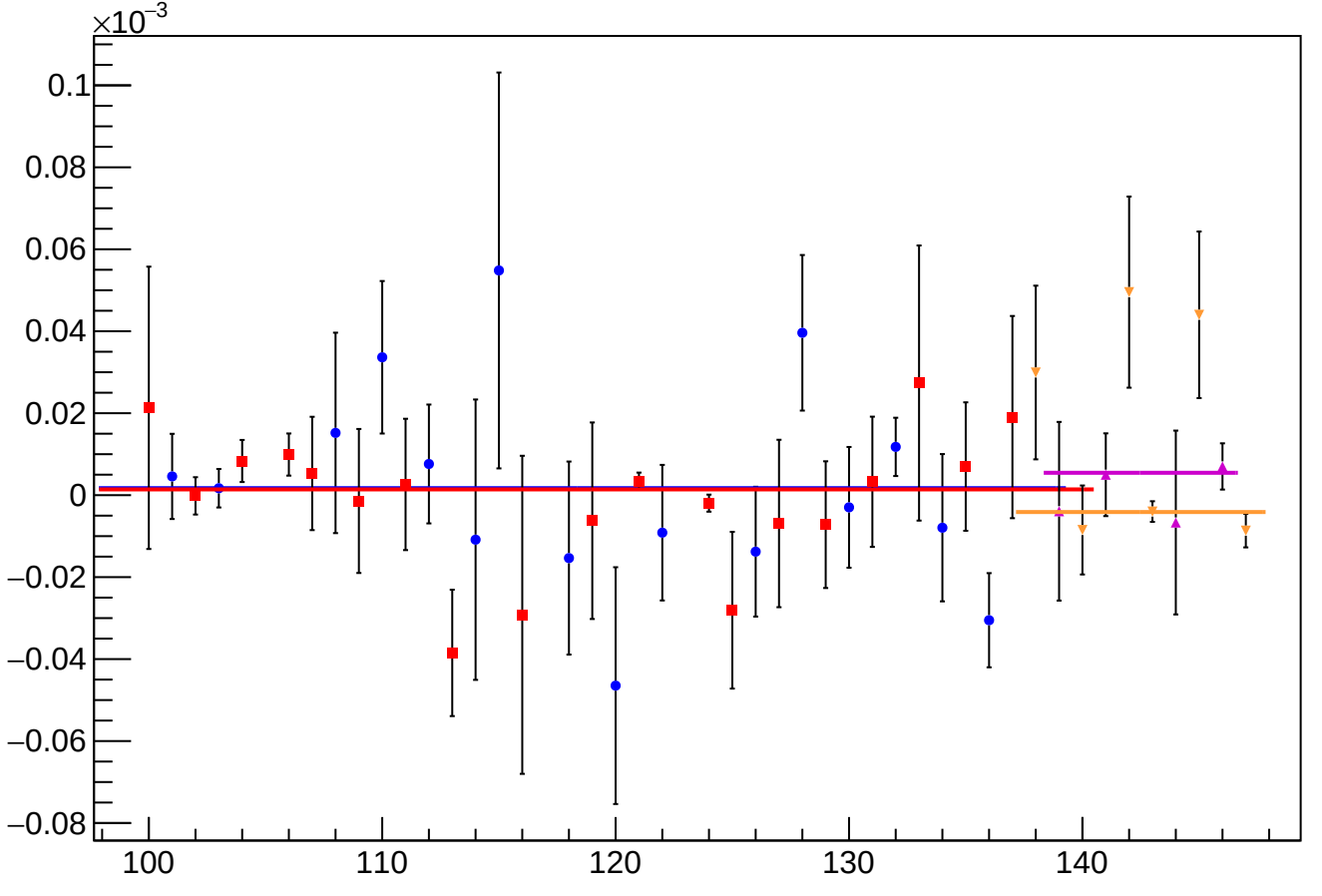
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

+ sign 155.179+/-0.038 χ^2/NDF: 5385641.2/21

All: 144.021+/-0.026 χ^2/NDF: 10396779.7/44

- sign 134.696+/-0.035 χ^2/NDF: 4852012.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

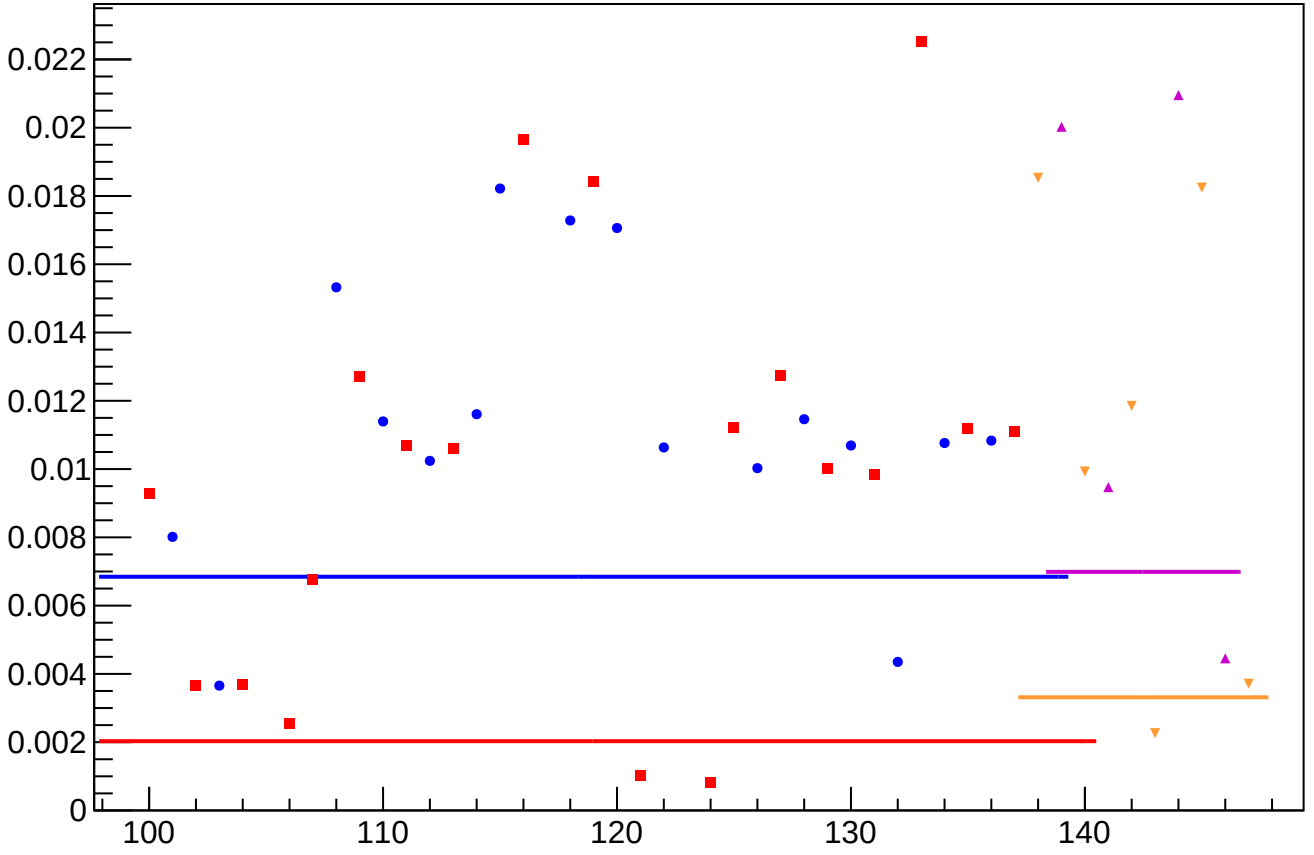
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/21

All: 0.000+/-0.000 χ^2/NDF: 66.2/44

- sign 0.000+/-0.000 χ^2/NDF: 21.5/22

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: 0.003+/-0.000 χ^2/NDF:3488426.9/5

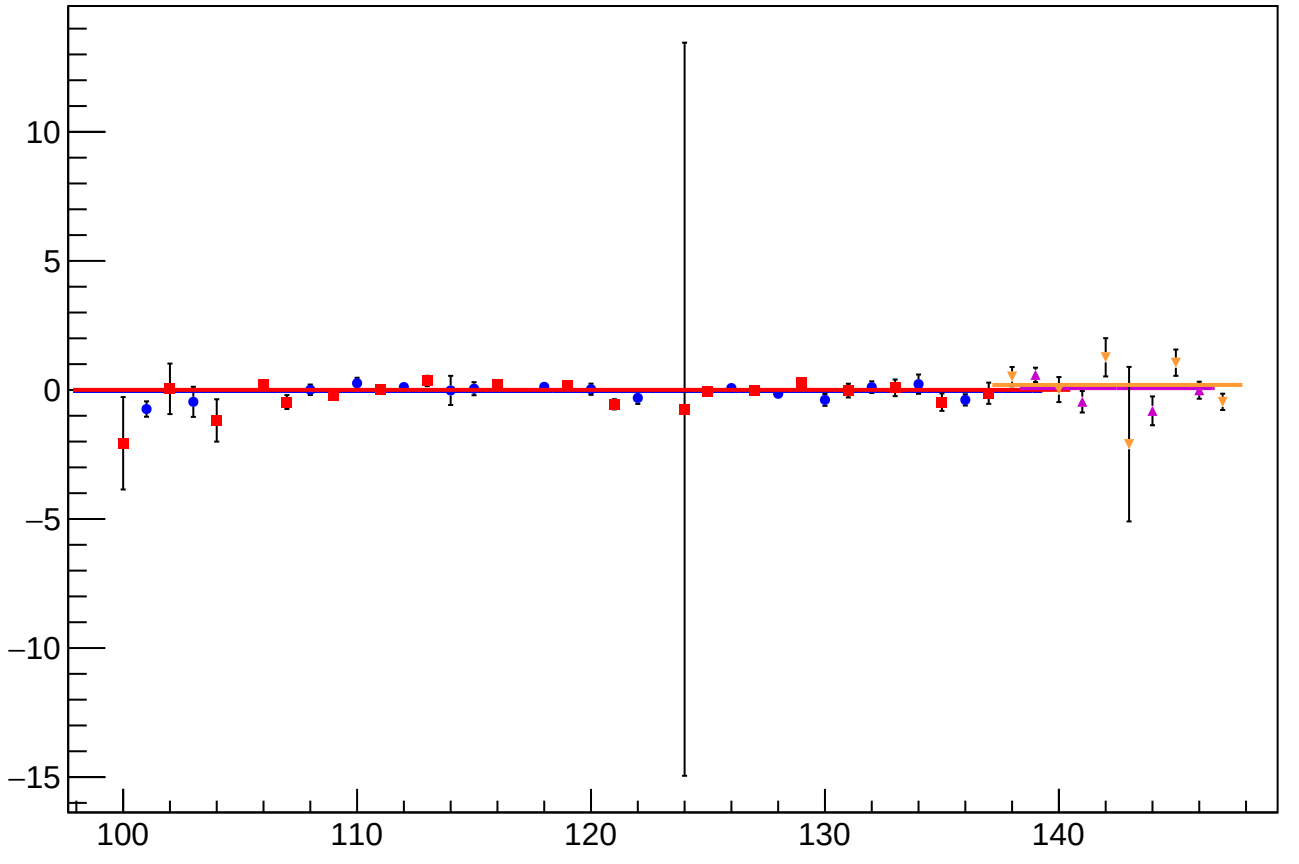
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.007+/-0.000 χ^2/NDF:2014753.8/3

+ sign 0.004+/-0.000 χ^2/NDF: 8622774.1/21

All: 0.003+/-0.000 χ^2/NDF: 23772659.0/44

- sign 0.002+/-0.000 χ^2/NDF: 13103432.2/22



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

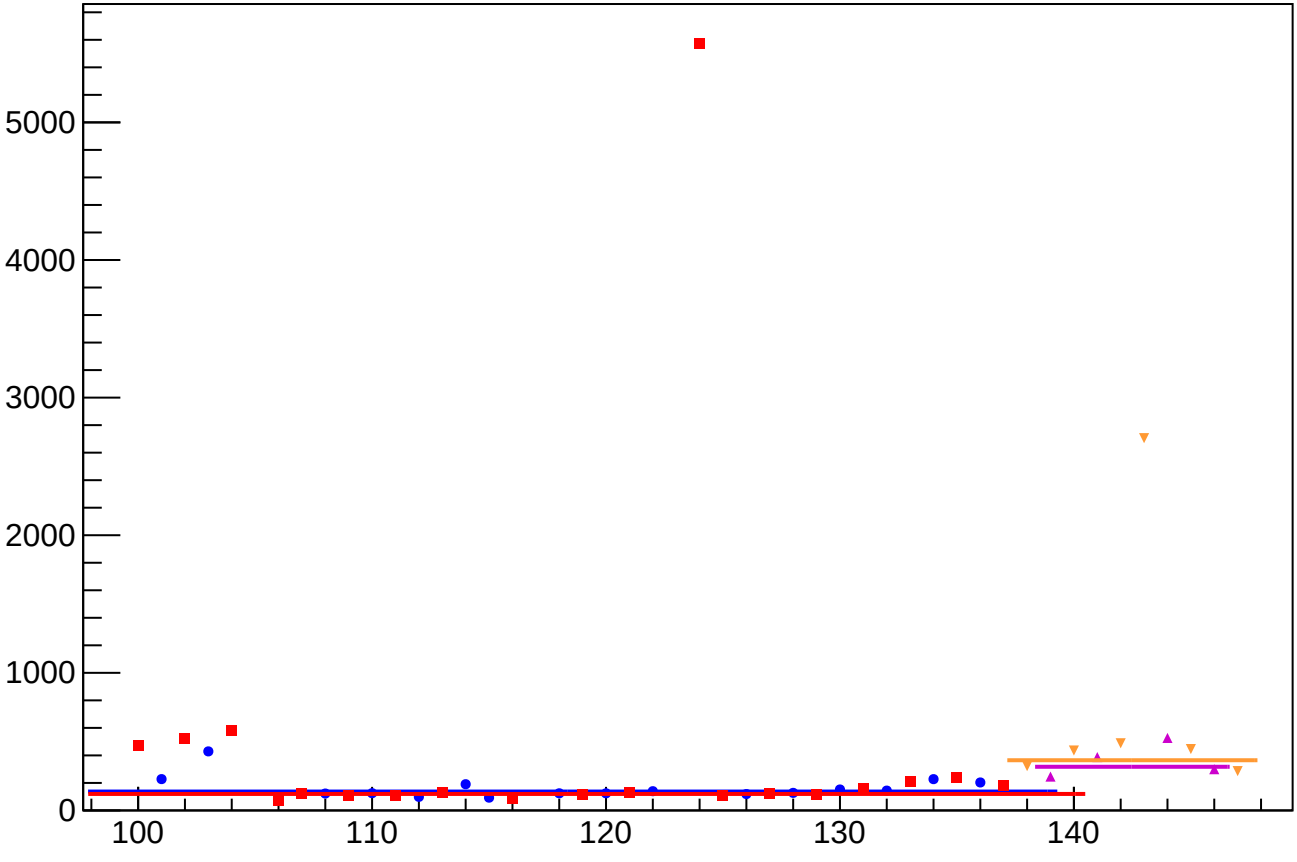
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

\+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.005+/-0.036 χ^2/NDF: 66.6/44

\- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

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: 364.876+/-0.136 χ^2/NDF:1521542.7/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

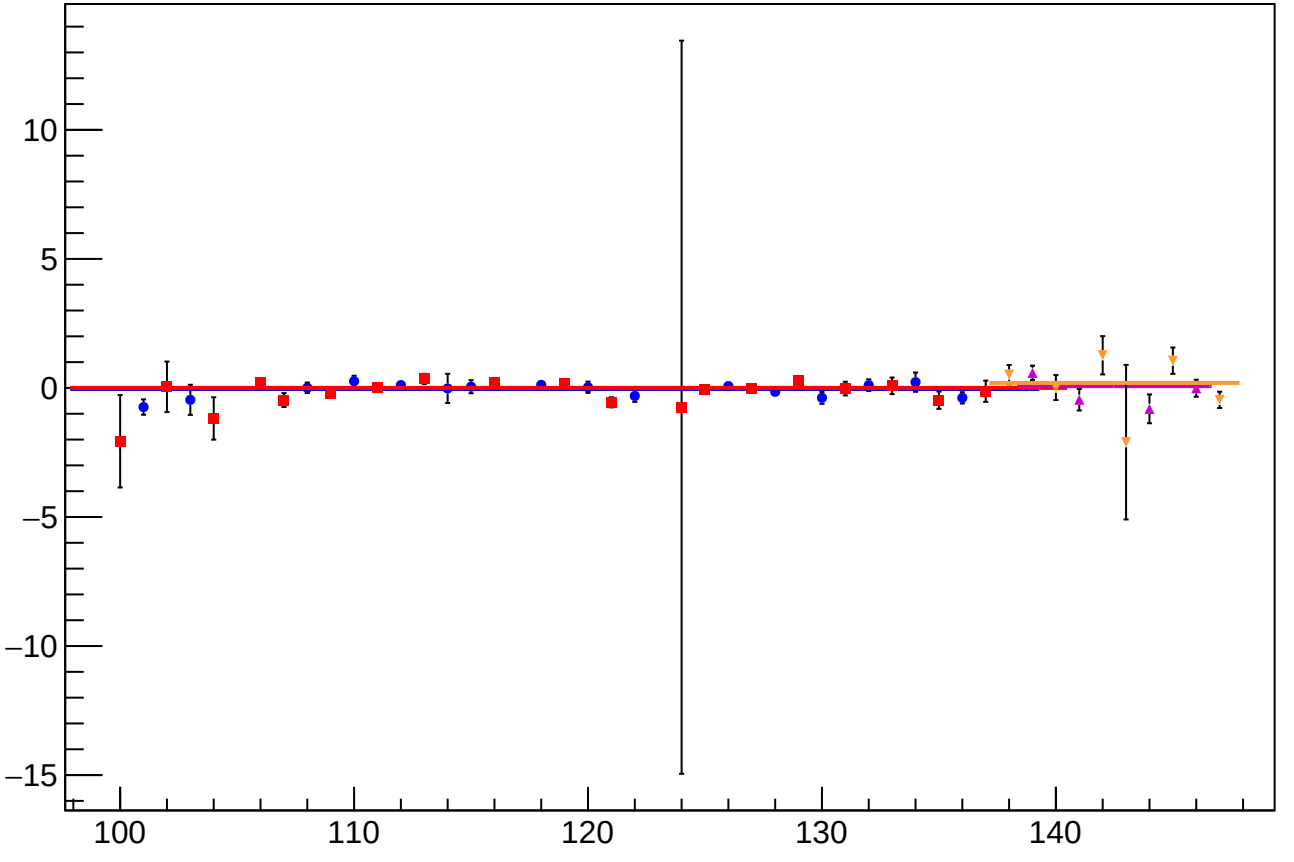
Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

+ sign 155.179+/-0.038 χ^2/NDF: 5385604.3/21

All: 144.021+/-0.026 χ^2/NDF: 10396728.2/44

- sign 134.696+/-0.035 χ^2/NDF: 4851983.0/22

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

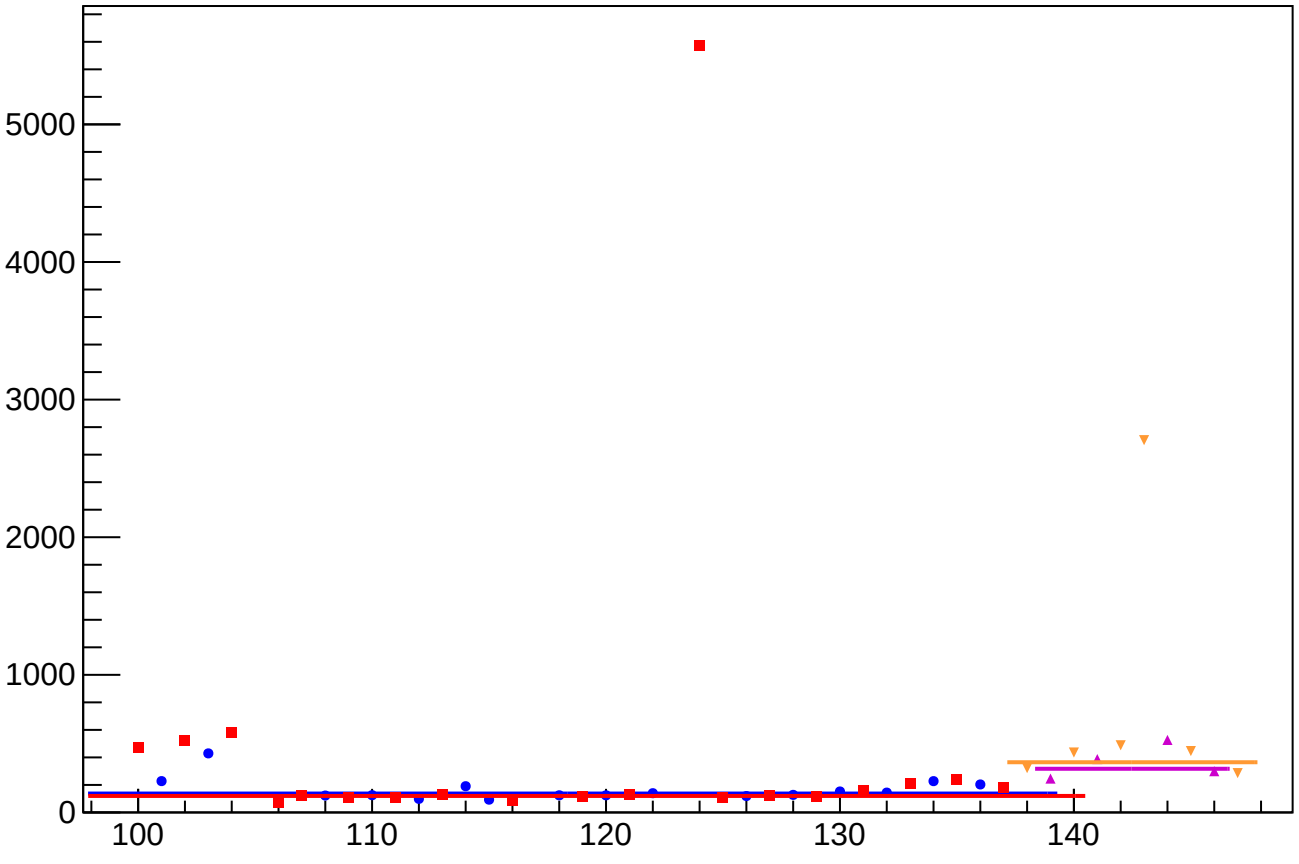
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.005+/-0.036 χ^2/NDF: 66.6/44

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.876+/-0.136 χ^2/NDF:1521542.7/5

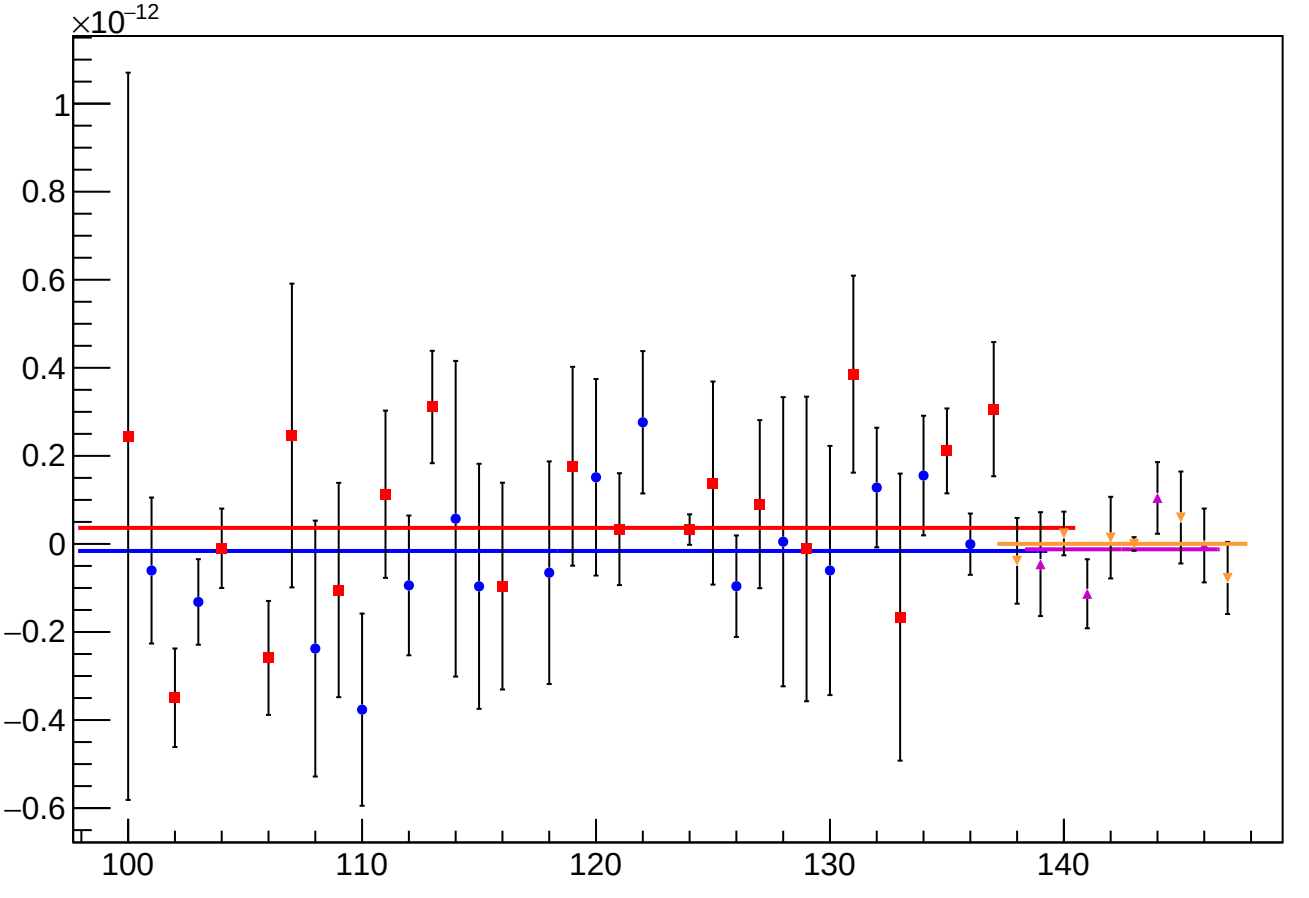
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

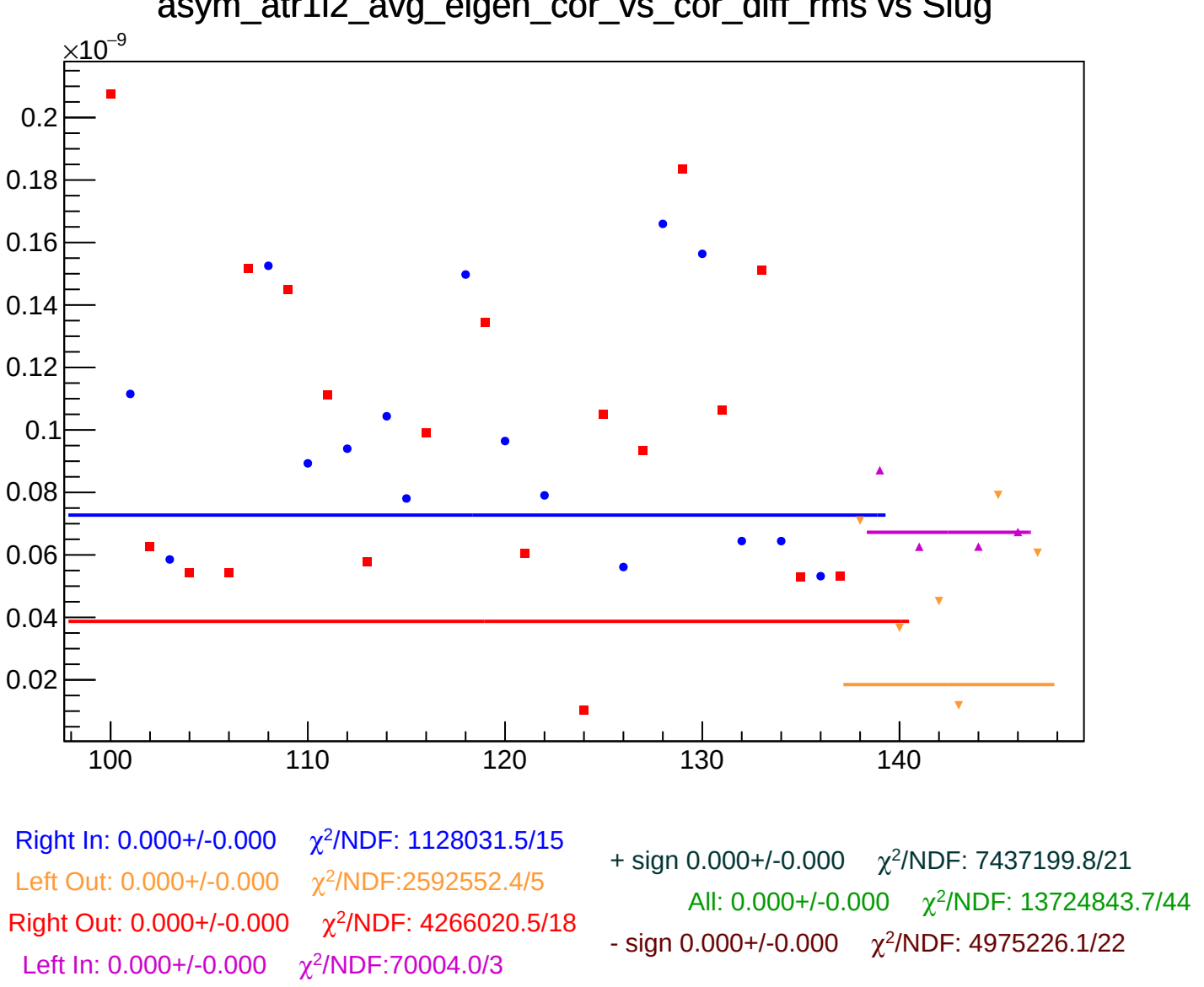
Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

+ sign 155.179+/-0.038 χ^2/NDF: 5385604.3/21

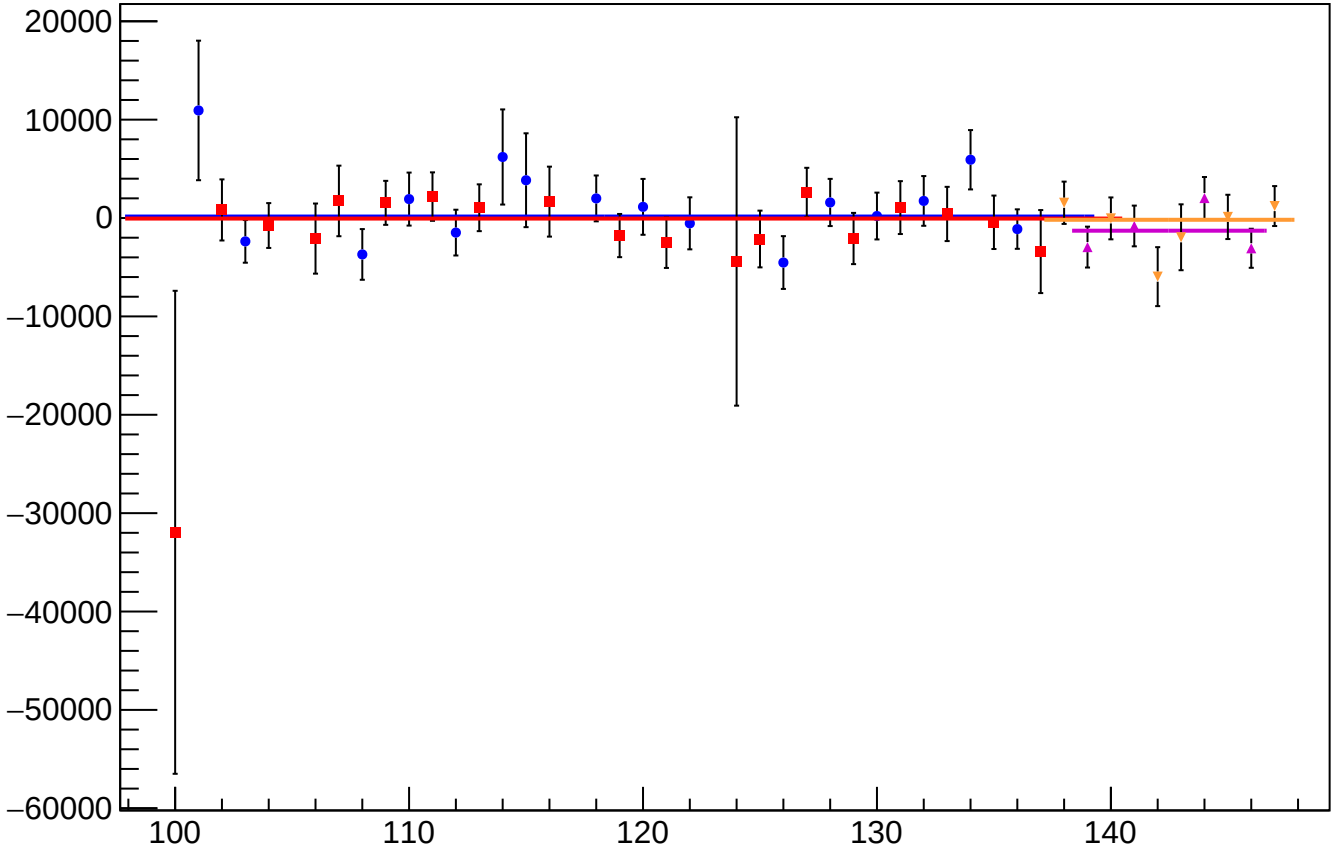
All: 144.021+/-0.026 χ^2/NDF: 10396728.2/44

- sign 134.696+/-0.035 χ^2/NDF: 4851983.0/22


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:3.8/3
+ sign -0.000+/-0.000 χ²/NDF: 14.1/21
All: 0.000+/-0.000 χ²/NDF: 53.0/44
- sign 0.000+/-0.000 χ²/NDF: 37.9/22


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2592552.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:70004.0/3
+ sign 0.000+/-0.000 χ²/NDF: 7437199.8/21
All: 0.000+/-0.000 χ²/NDF: 13724843.7/44
- sign 0.000+/-0.000 χ²/NDF: 4975226.1/22

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -178.901+/-963.427 χ^2/NDF:5.1/5

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

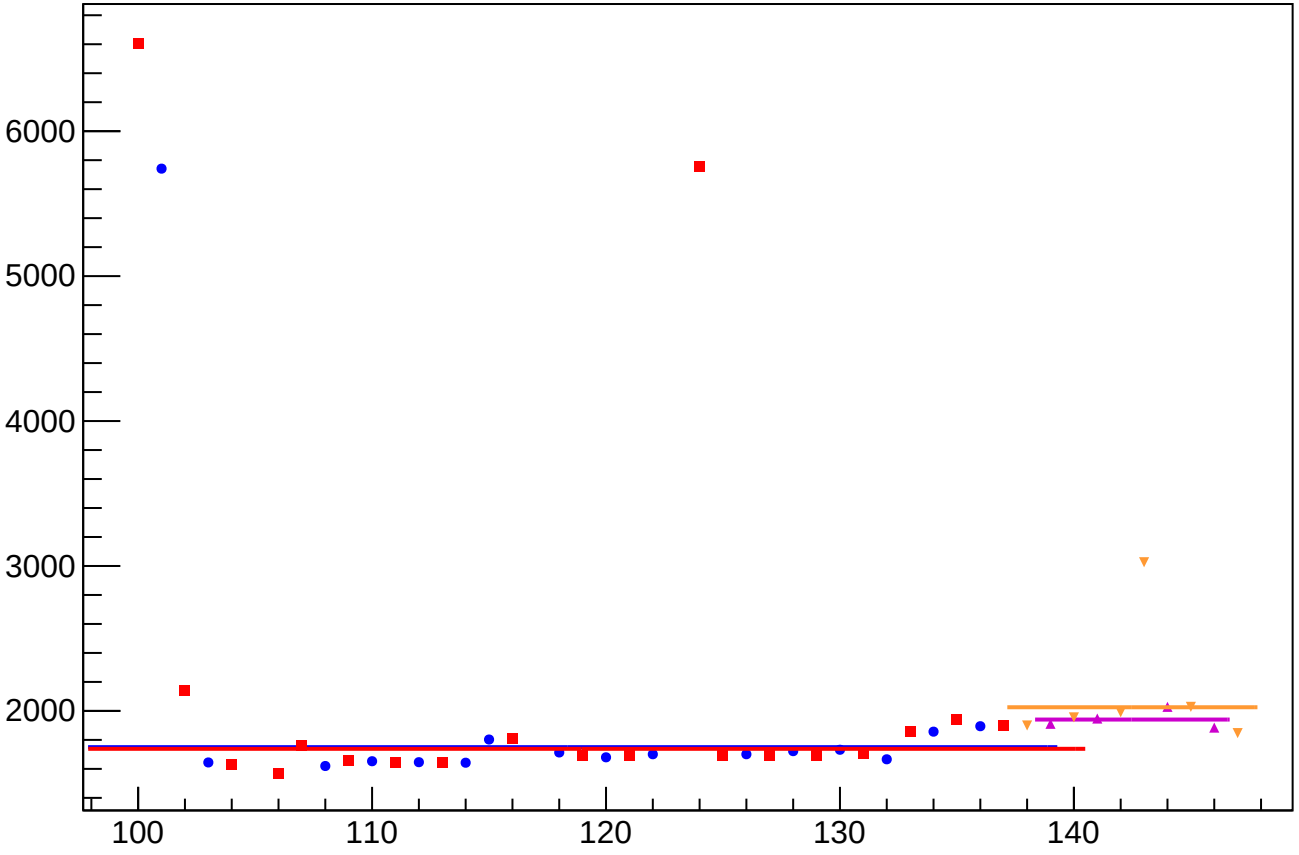
Left In: -1288.296+/-1032.659 χ^2/NDF:3.9/3

+ sign 43.915+/-548.415 χ^2/NDF: 22.9/21

All: -180.243+/-389.496 χ^2/NDF: 37.1/44

- sign -408.394+/-553.279 χ^2/NDF: 13.9/22

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

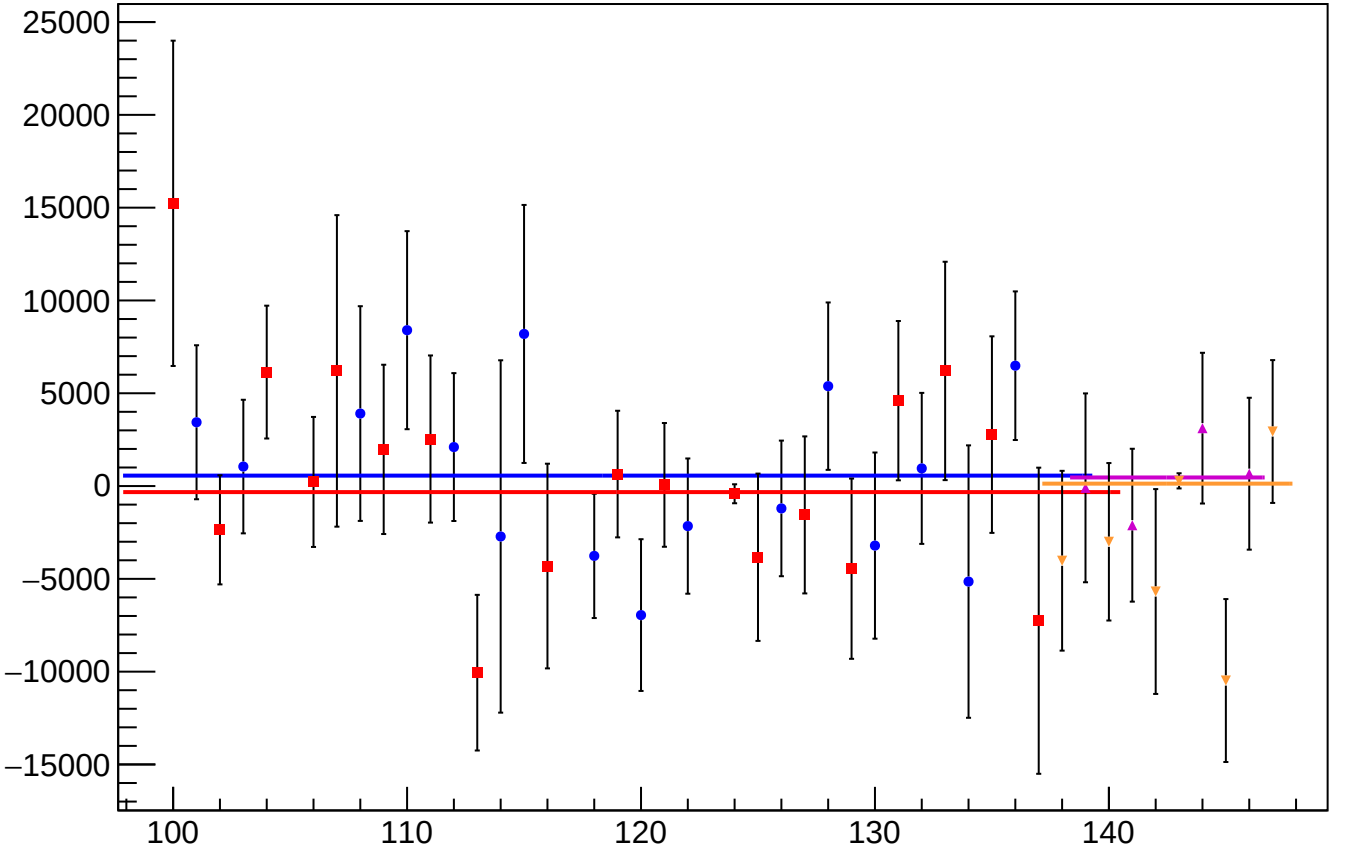
Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1839.089+/-0.388 χ^2/NDF: 983224.9/21

All: 1817.537+/-0.275 χ^2/NDF: 1353980.3/44

- sign 1795.832+/-0.389 χ^2/NDF: 364556.2/22

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 130.016+/-400.782 χ^2/NDF:8.9/5

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

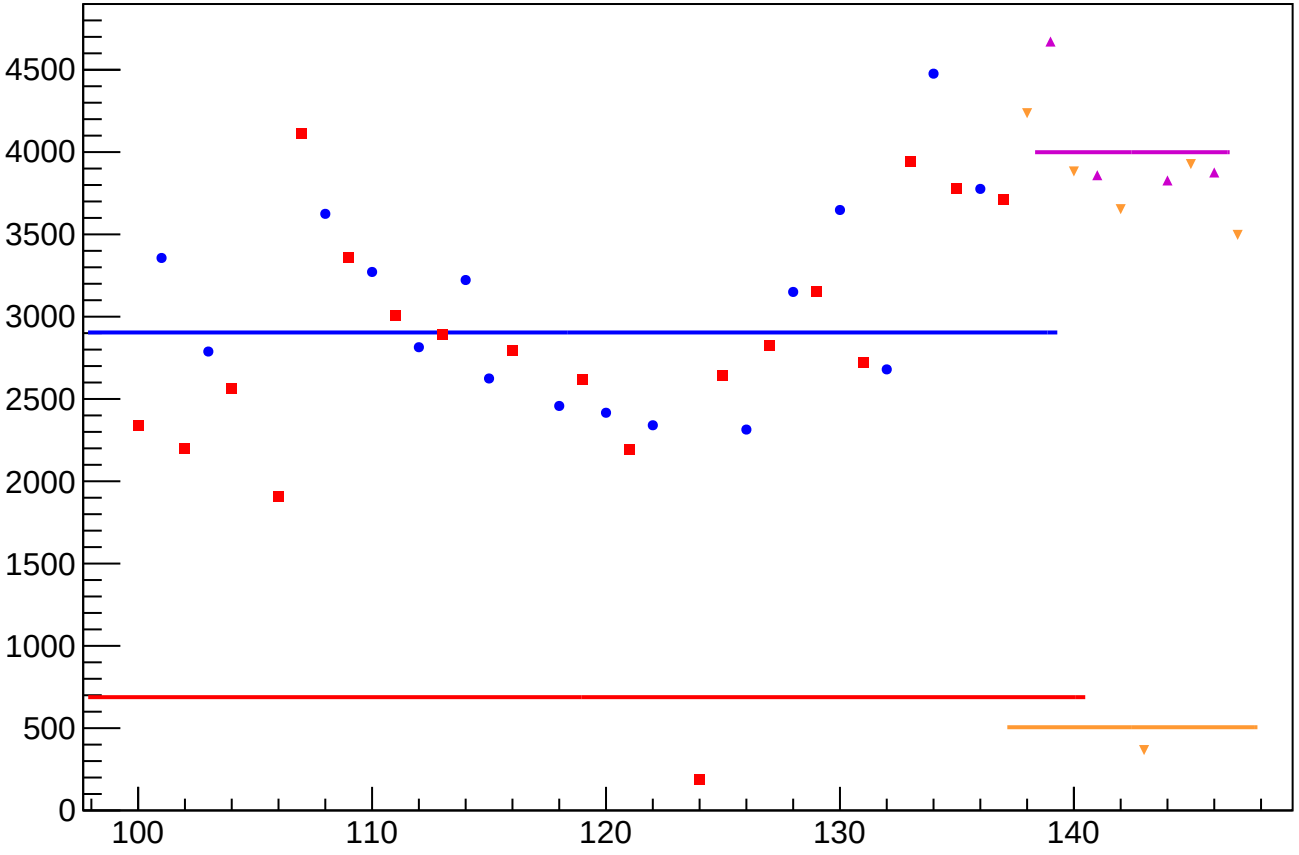
Left In: 462.632+/-2142.059 χ^2/NDF:0.8/3

+ sign 180.587+/-376.613 χ^2/NDF: 23.8/21

All: -14.821+/-288.236 χ^2/NDF: 44.7/44

- sign -291.116+/-447.828 χ^2/NDF: 20.2/22

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 505.605+/-0.283 χ^2/NDF:5757926.1/5

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

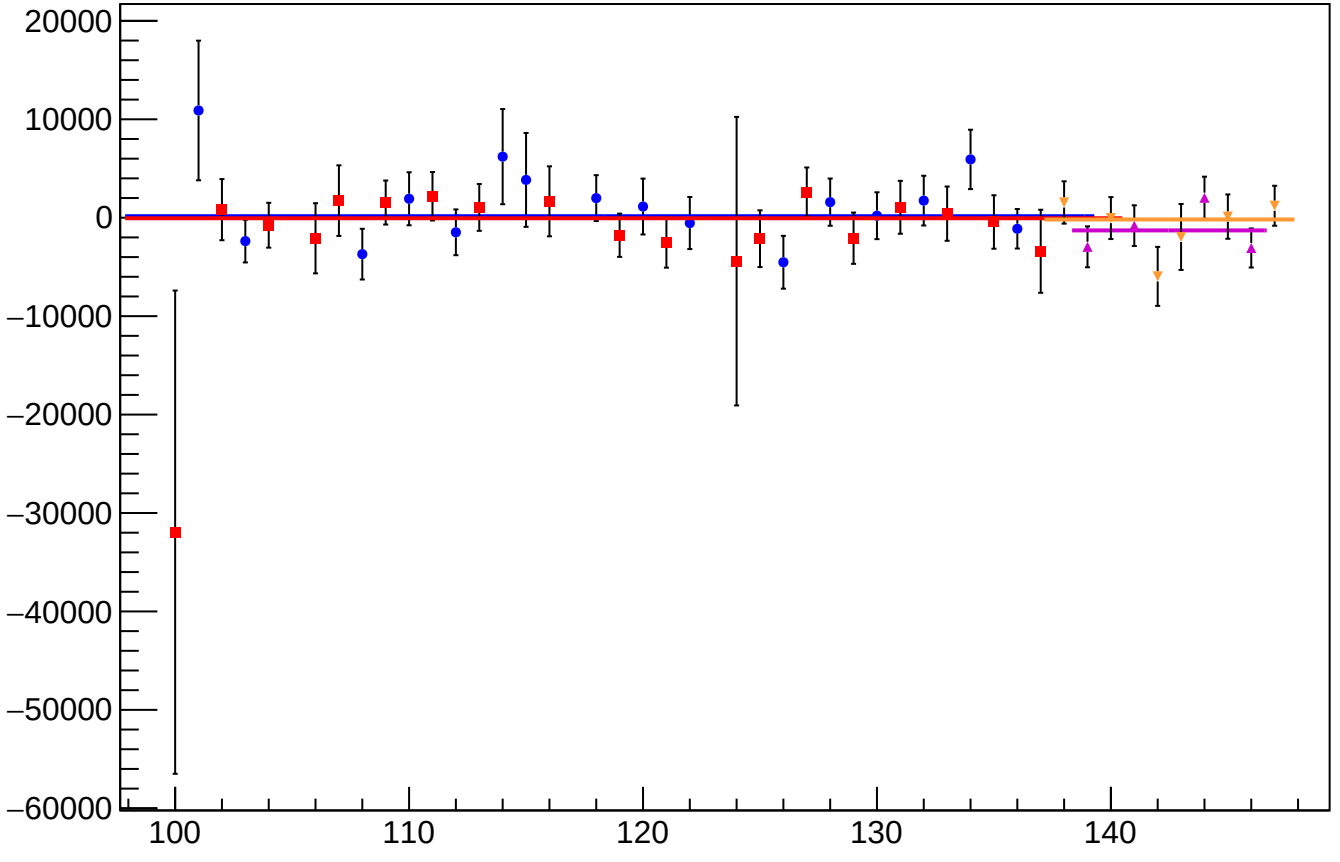
Left In: 3999.243+/-1.515 χ^2/NDF:42603.0/3

+ sign 786.161+/-0.266 χ^2/NDF: 14616150.3/21

All: 805.578+/-0.204 χ^2/NDF: 29389869.8/44

- sign 833.033+/-0.317 χ^2/NDF: 14760886.2/22

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

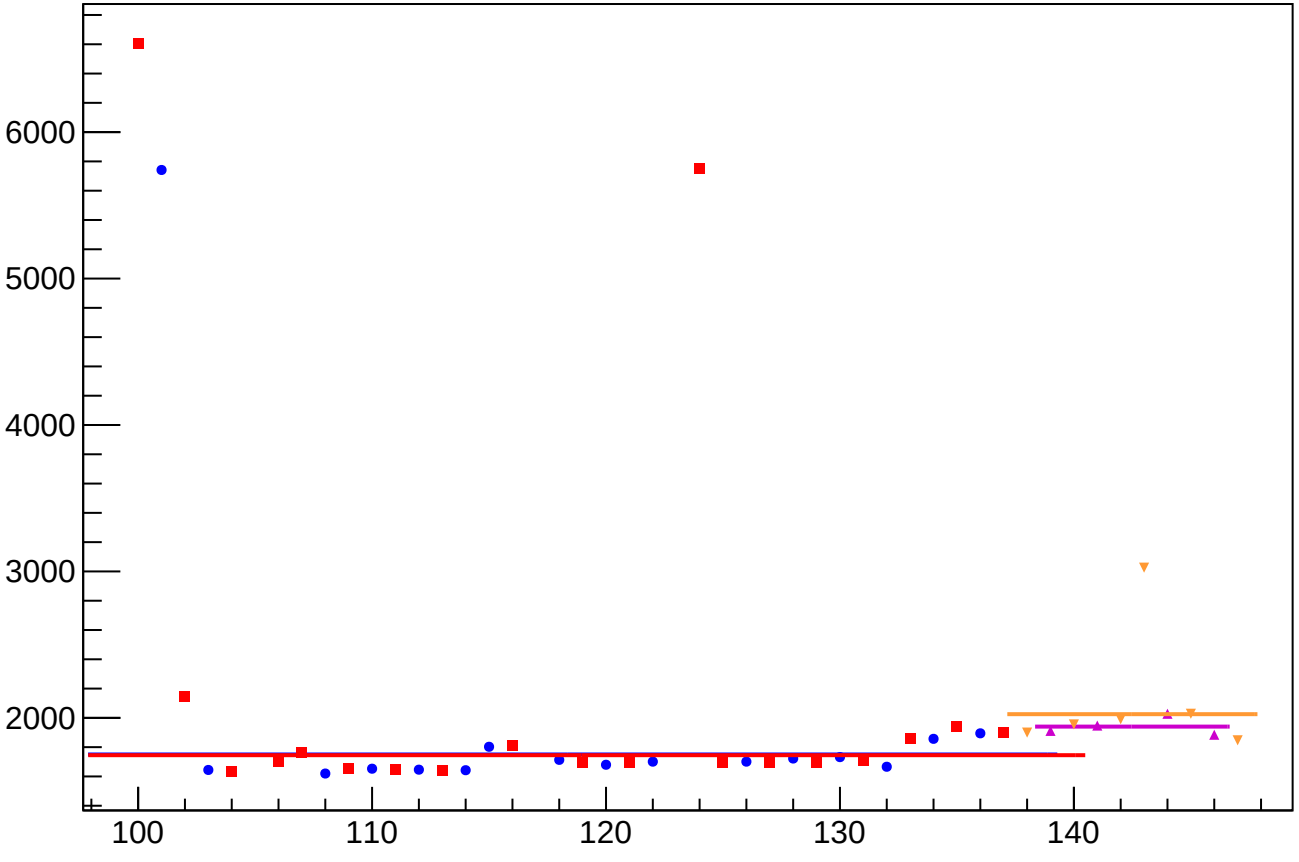
Left In: -1288.369+/-1032.659 χ^2/NDF:3.9/3

+ sign 43.548+/-548.415 χ^2/NDF: 22.9/21

All: -180.456+/-389.496 χ^2/NDF: 37.1/44

- sign -408.451+/-553.279 χ^2/NDF: 13.9/22

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

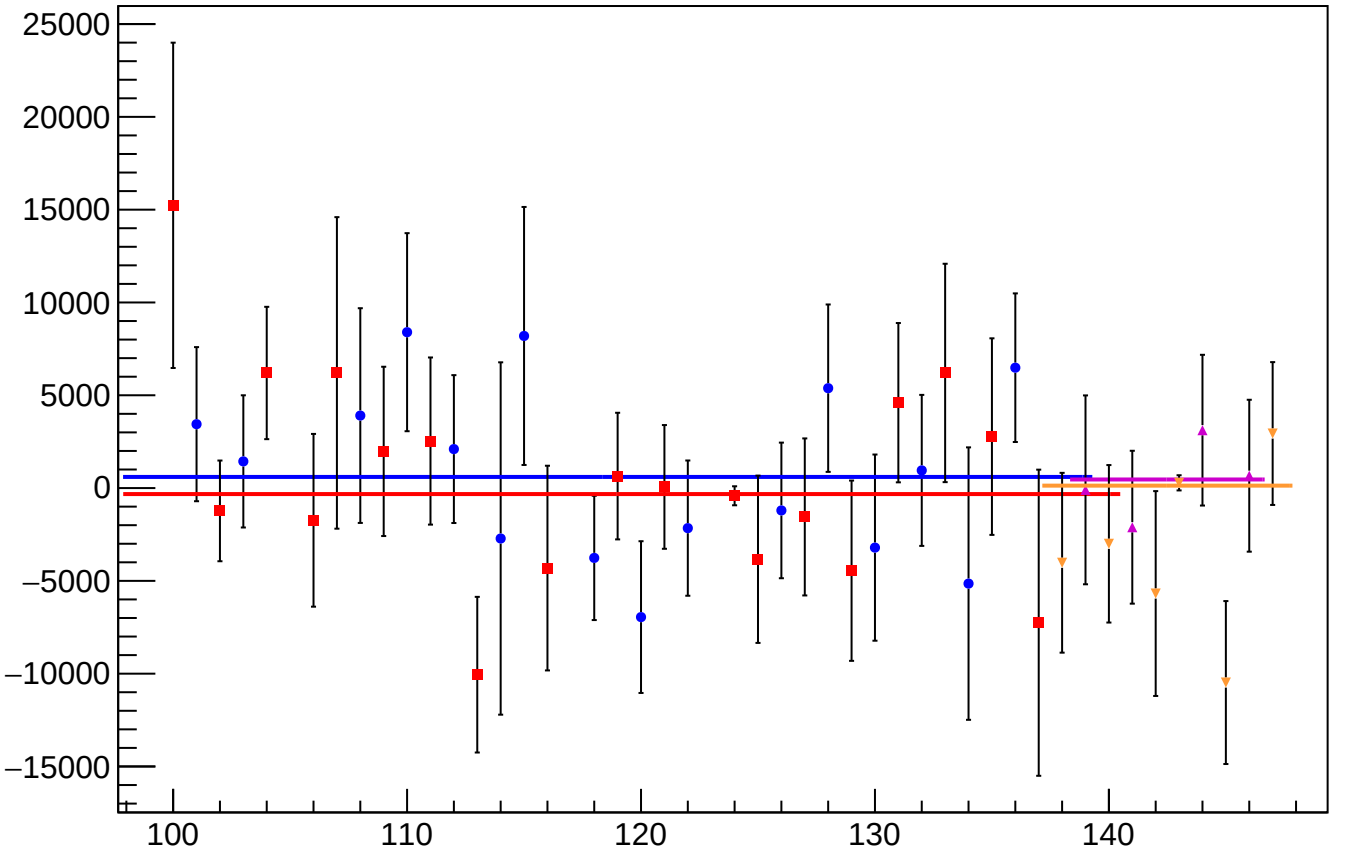
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1839.088+/-0.388 χ^2/NDF: 983225.4/21

All: 1820.118+/-0.275 χ^2/NDF: 1342408.8/44

- sign 1800.912+/-0.390 χ^2/NDF: 354367.6/22



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

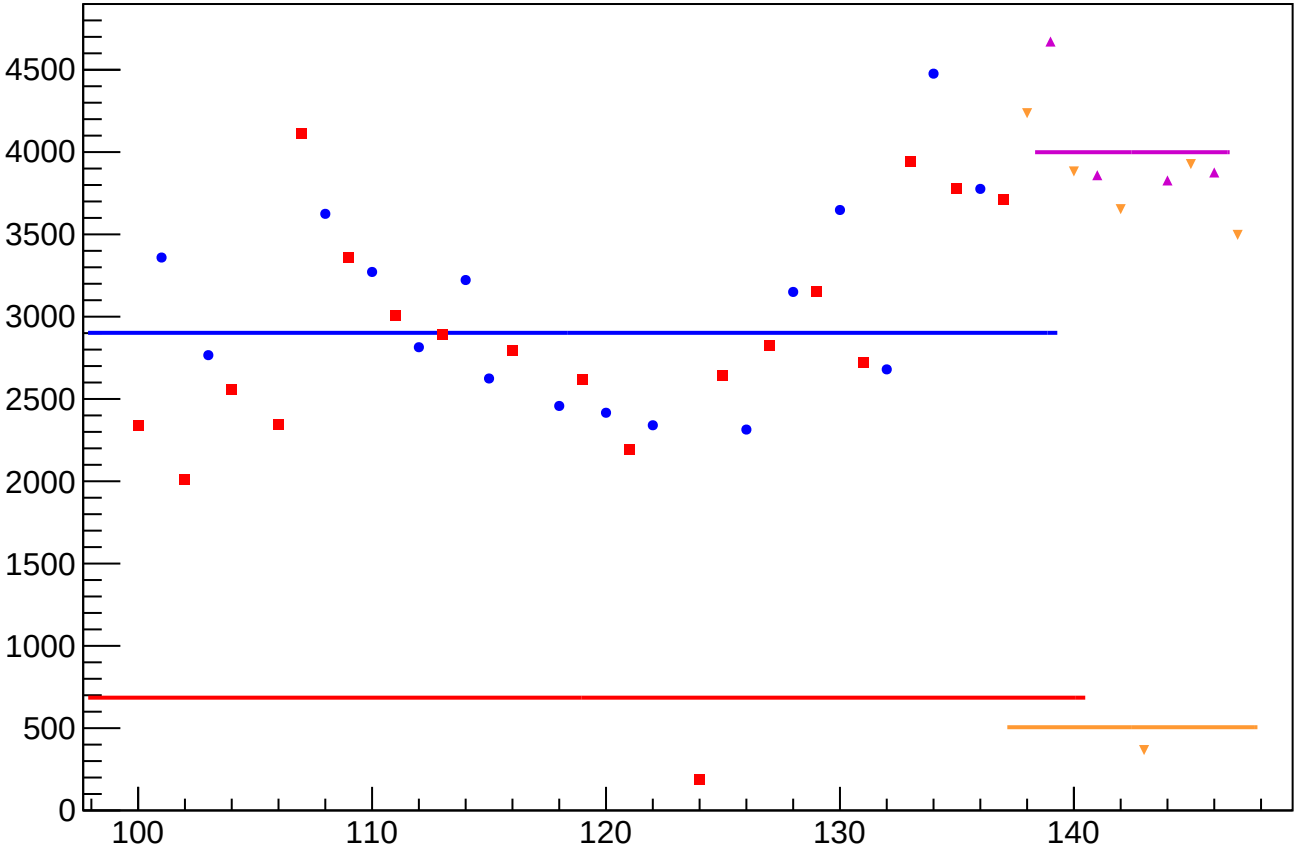
Left In: 462.655+/-2142.052 χ^2/NDF:0.8/3

+ sign 185.983+/-376.600 χ^2/NDF: 23.9/21

All: -10.206+/-288.457 χ^2/NDF: 44.5/44

- sign -288.686+/-448.683 χ^2/NDF: 20.0/22

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

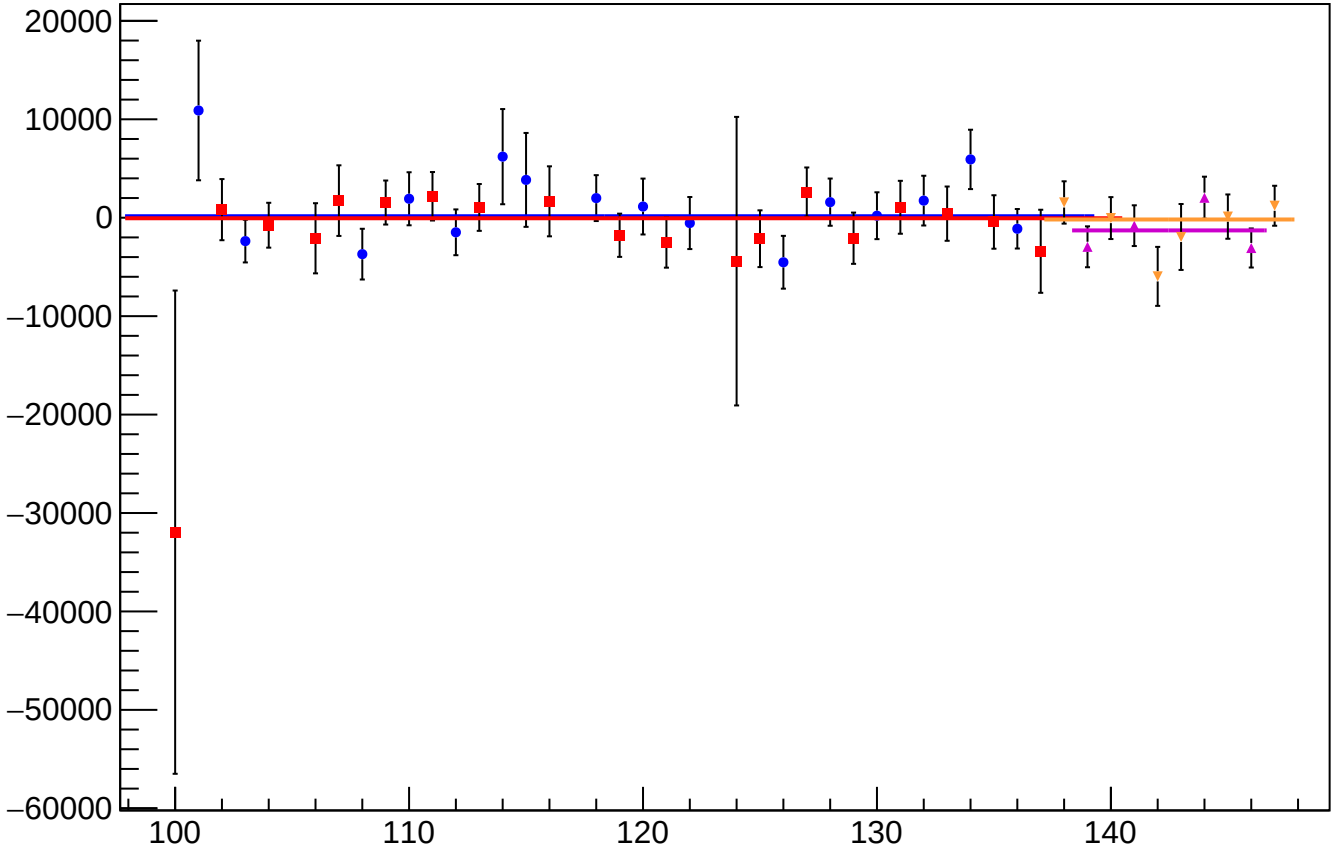
Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

+ sign 786.468+/-0.266 χ^2/NDF: 14615109.4/21

All: 804.733+/-0.204 χ^2/NDF: 29351910.6/44

- sign 830.658+/-0.317 χ^2/NDF: 14725419.9/22

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

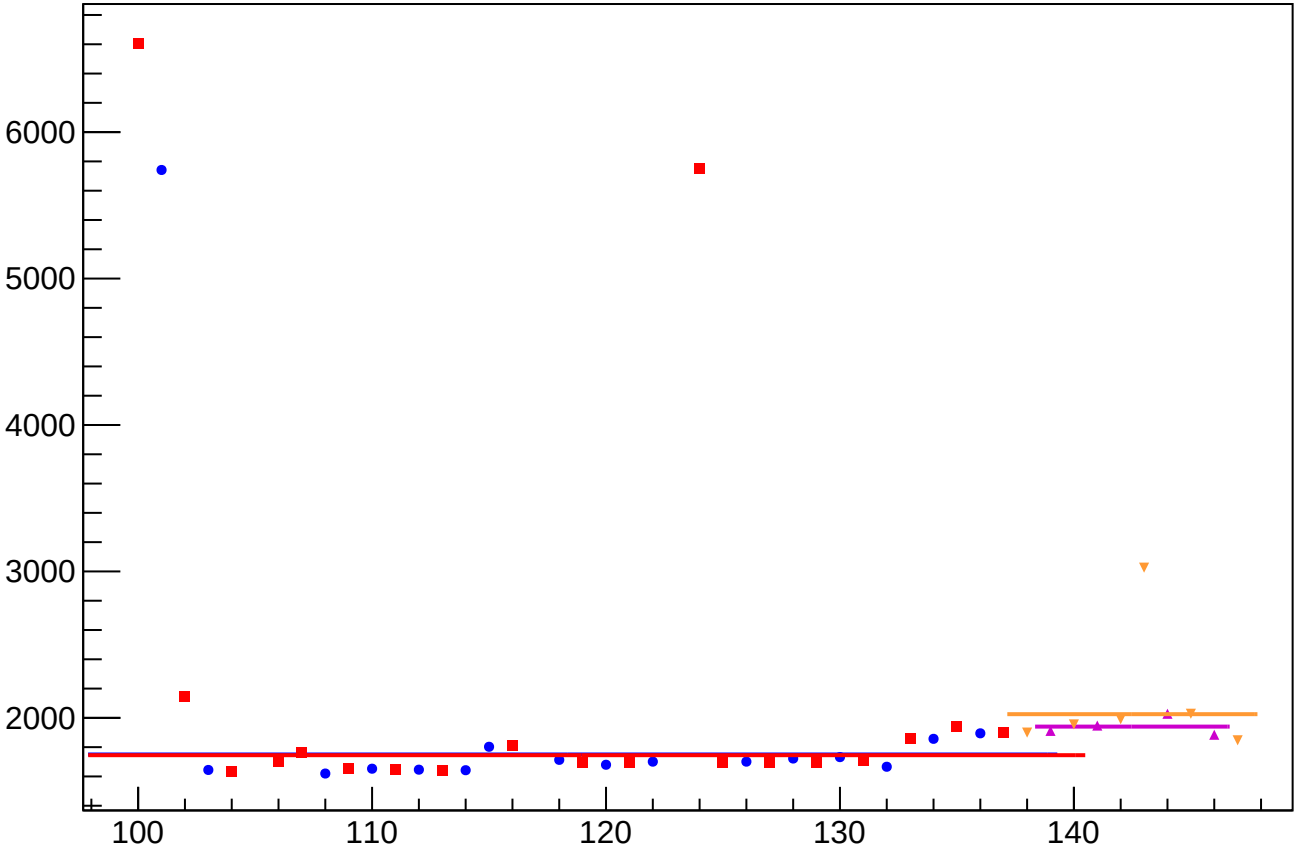
Left In: -1288.369+/-1032.659 χ^2/NDF:3.9/3

+ sign 43.548+/-548.415 χ^2/NDF: 22.9/21

All: -180.456+/-389.496 χ^2/NDF: 37.1/44

- sign -408.451+/-553.279 χ^2/NDF: 13.9/22

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

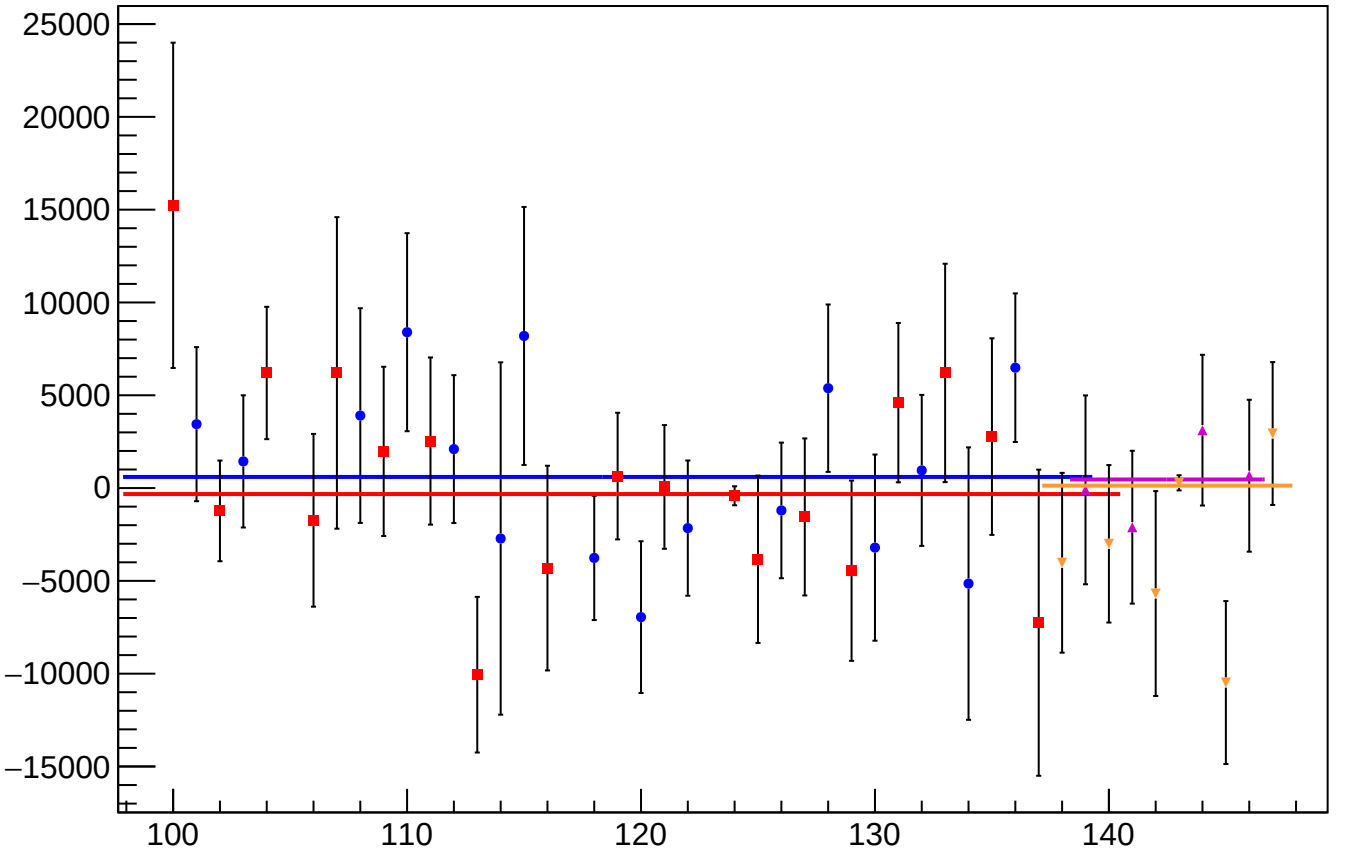
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1839.088+/-0.388 χ^2/NDF: 983225.4/21

All: 1820.118+/-0.275 χ^2/NDF: 1342408.8/44

- sign 1800.912+/-0.390 χ^2/NDF: 354367.6/22



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

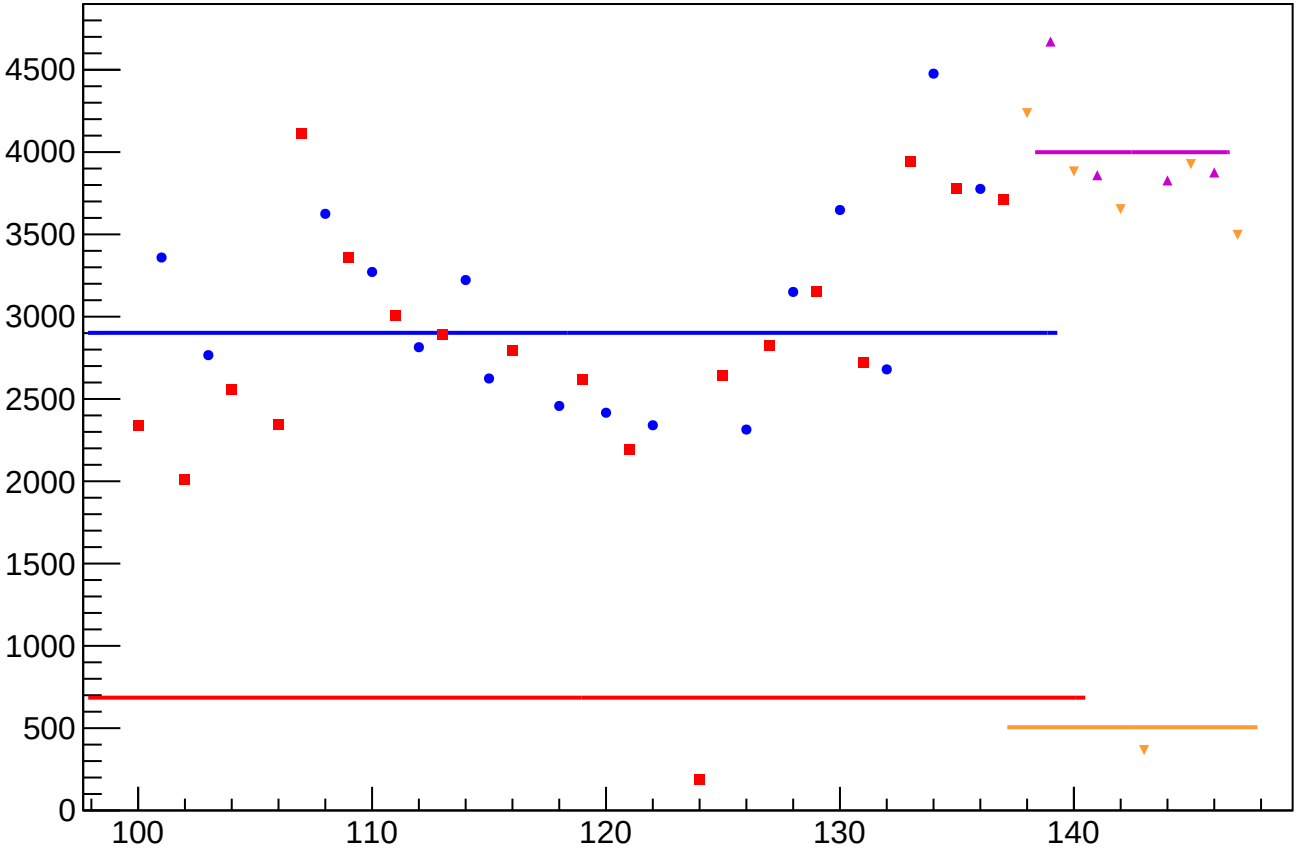
Left In: 462.655+/-2142.052 χ^2/NDF:0.8/3

+ sign 185.983+/-376.600 χ^2/NDF: 23.9/21

All: -10.206+/-288.457 χ^2/NDF: 44.5/44

- sign -288.686+/-448.683 χ^2/NDF: 20.0/22

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

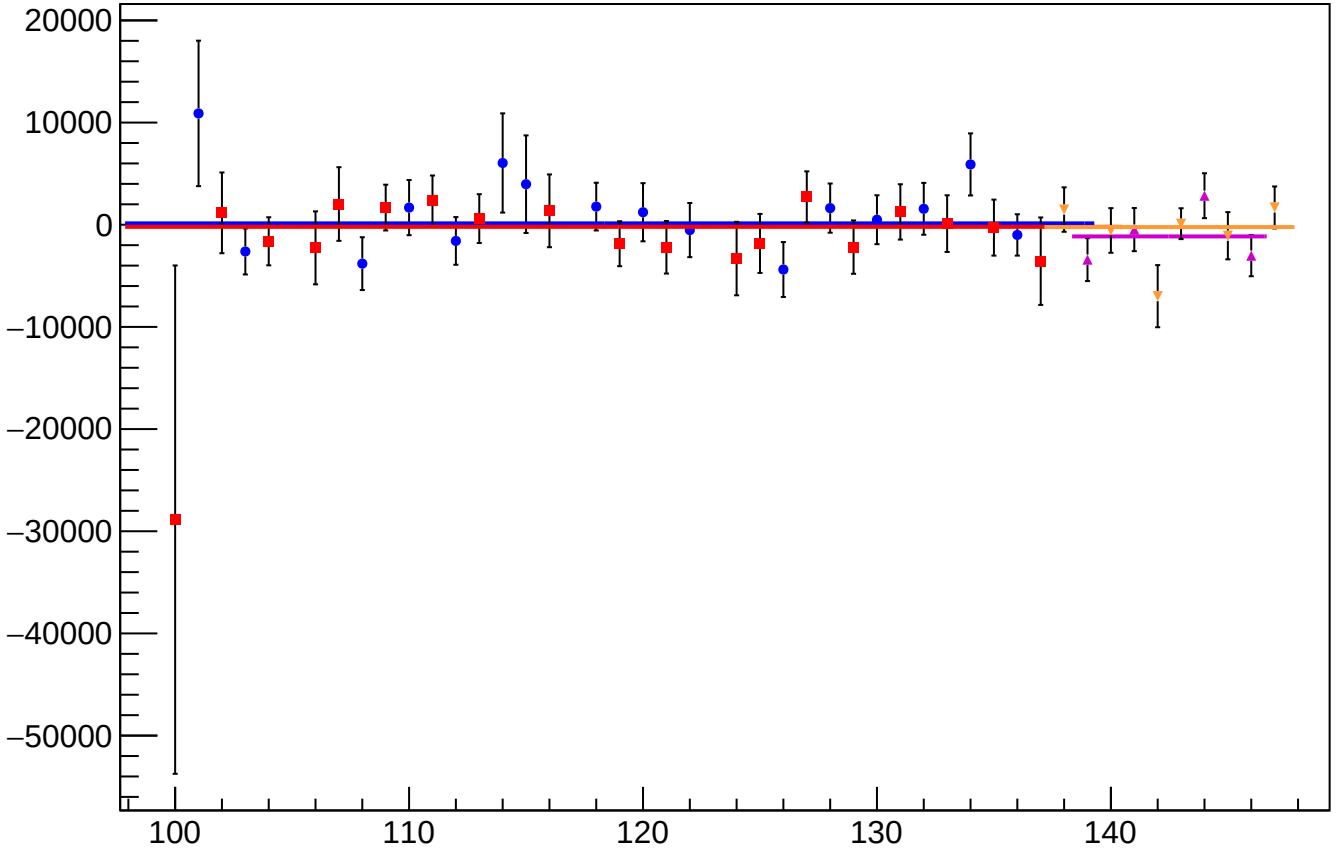
Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

+ sign 786.468+/-0.266 χ^2/NDF: 14615109.4/21

All: 804.733+/-0.204 χ^2/NDF: 29351910.6/44

- sign 830.658+/-0.317 χ^2/NDF: 14725419.9/22

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.812+/-847.540 χ^2/NDF:6.7/5

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

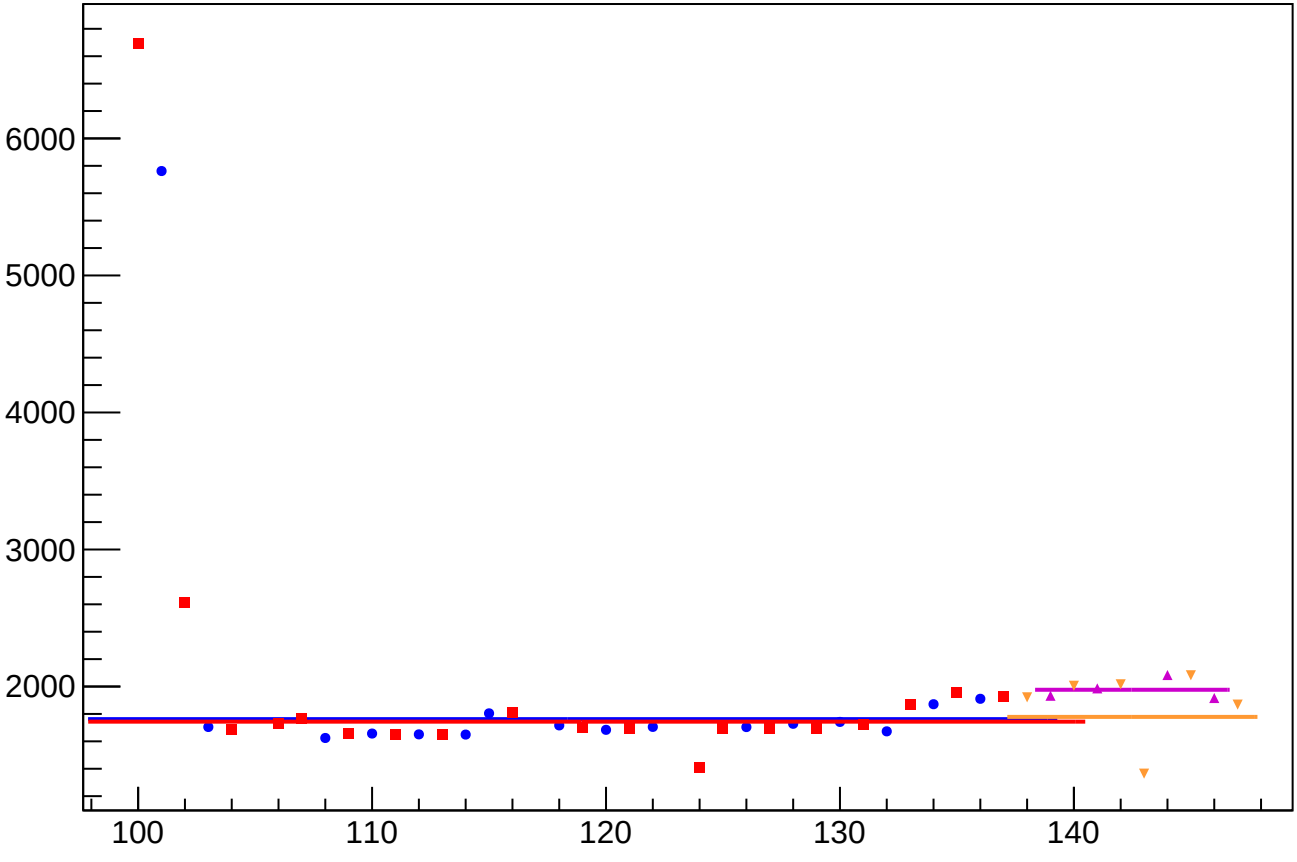
Left In: -1142.893+/-1052.083 χ^2/NDF:5.4/3

+ sign -4.890+/-526.384 χ^2/NDF: 24.0/21

All: -223.418+/-382.155 χ^2/NDF: 40.1/44

- sign -466.968+/-555.704 χ^2/NDF: 15.7/22

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.417+/-0.599 χ^2/NDF:231335.0/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

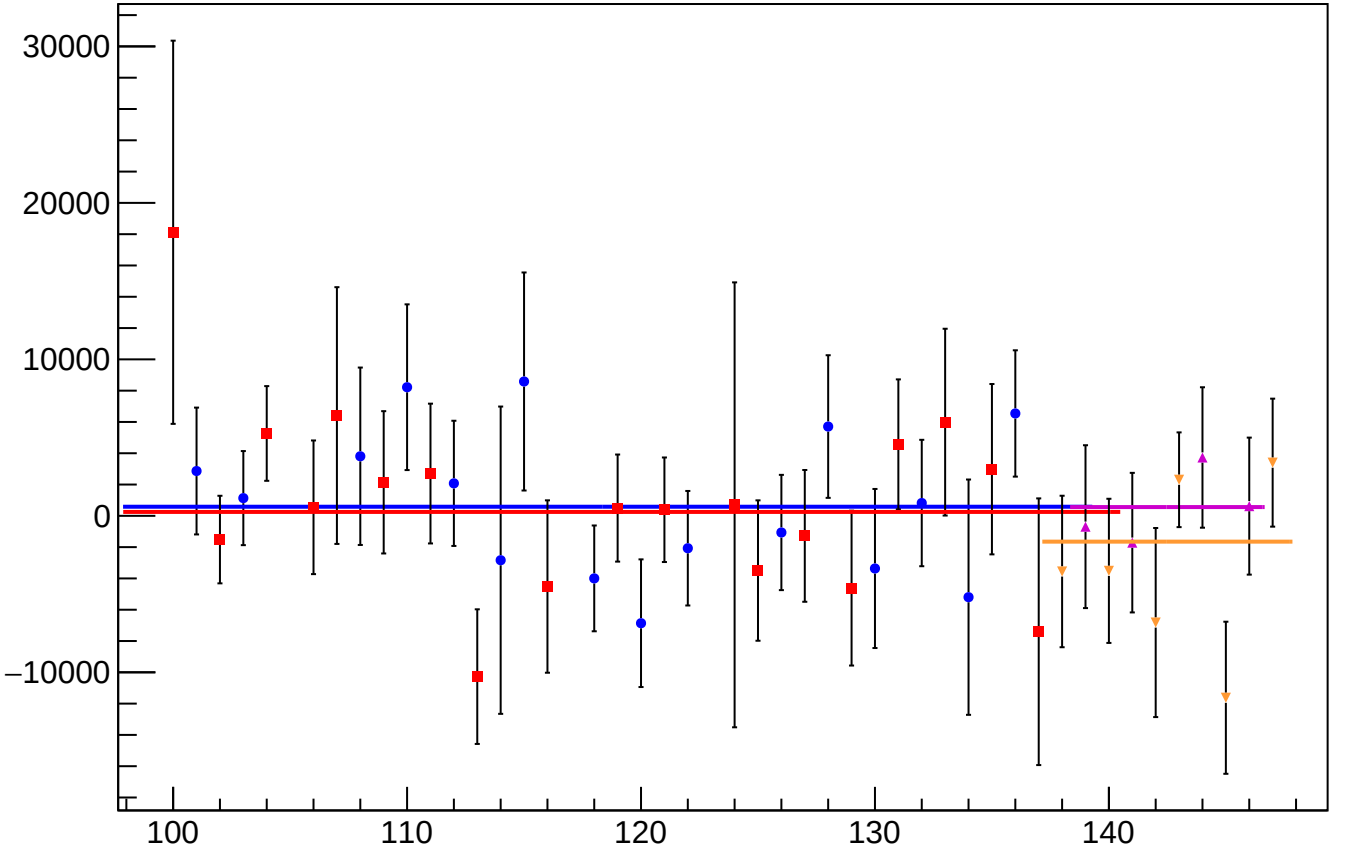
Left In: 1976.384+/-0.744 χ^2/NDF:7488.2/3

+ sign 1768.365+/-0.372 χ^2/NDF: 899489.7/21

All: 1787.322+/-0.270 χ^2/NDF: 1210847.6/44

- sign 1808.363+/-0.392 χ^2/NDF: 305884.5/22

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1648.872+/-1744.799 χ^2/NDF:8.5/5

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

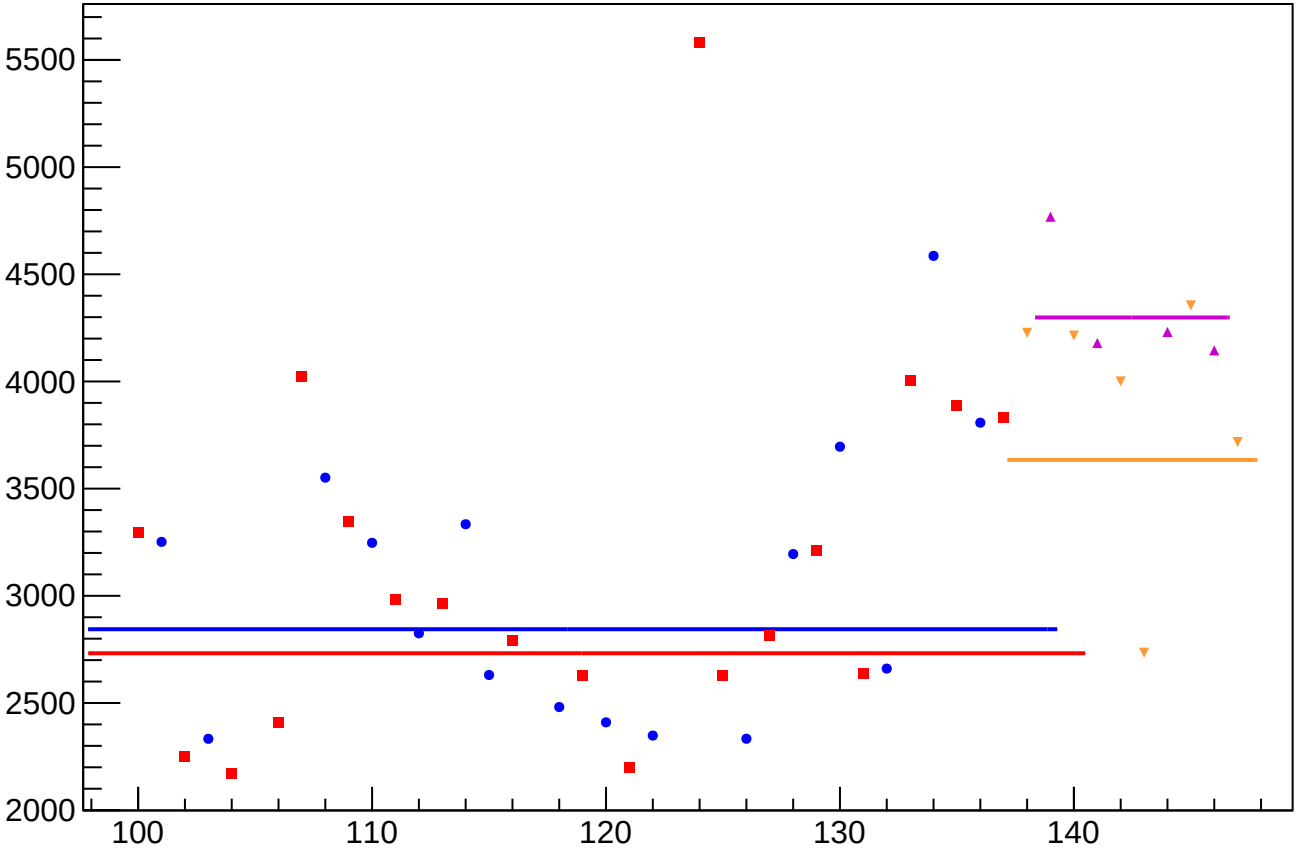
Left In: 560.433+/-2300.033 χ^2/NDF:0.8/3

\+ sign -37.031+/-919.223 χ^2/NDF: 24.5/21

All: 129.578+/-654.874 χ^2/NDF: 43.4/44

\- sign 301.290+/-933.197 χ^2/NDF: 18.8/22

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3633.970+/-1.234 χ^2/NDF:290448.7/5

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

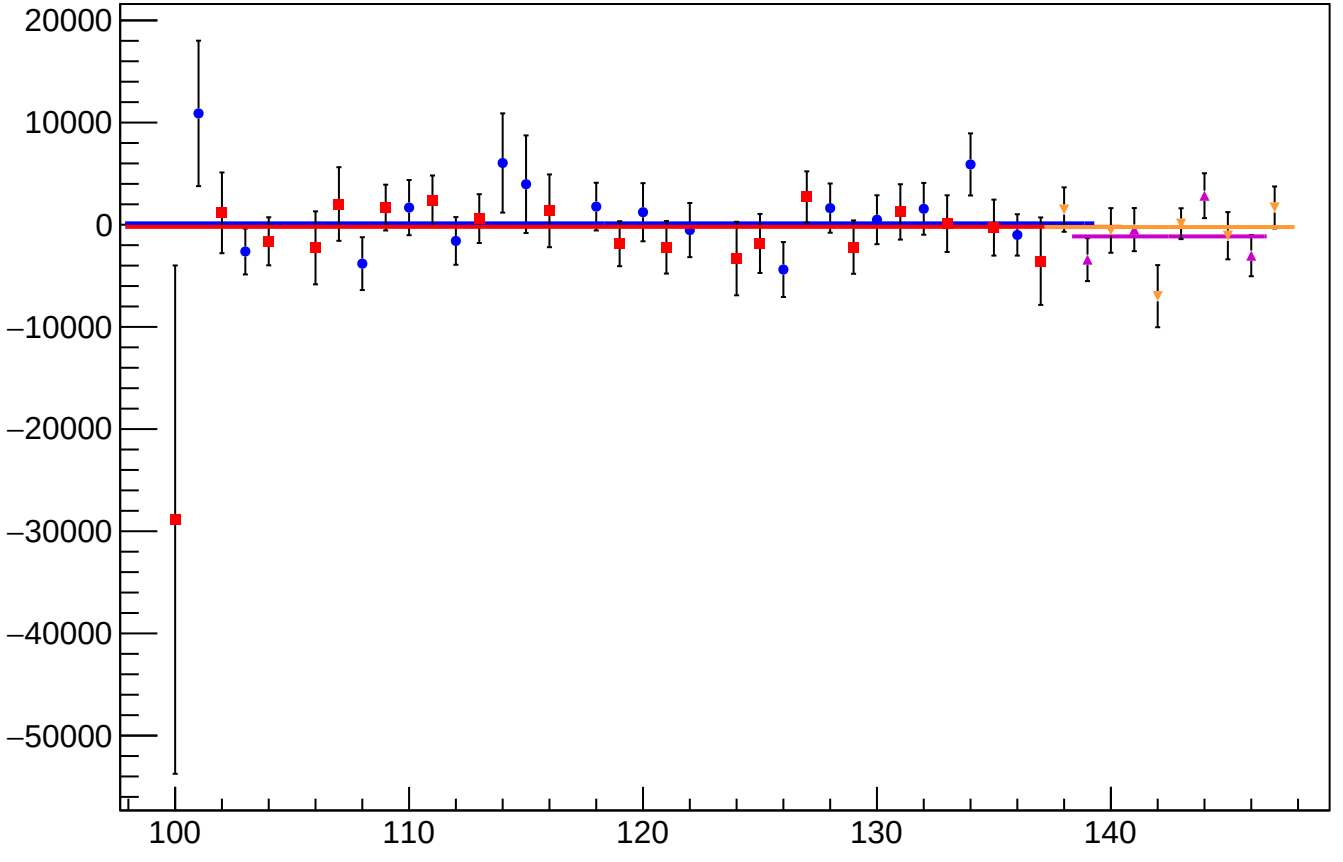
Left In: 4298.505+/-1.626 χ^2/NDF:20656.4/3

+ sign 3063.371+/-0.650 χ^2/NDF: 1128552.6/21

All: 3027.169+/-0.463 χ^2/NDF: 2541820.7/44

- sign 2989.857+/-0.660 χ^2/NDF: 1406968.7/22

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.821+/-847.540 χ^2/NDF:6.7/5

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

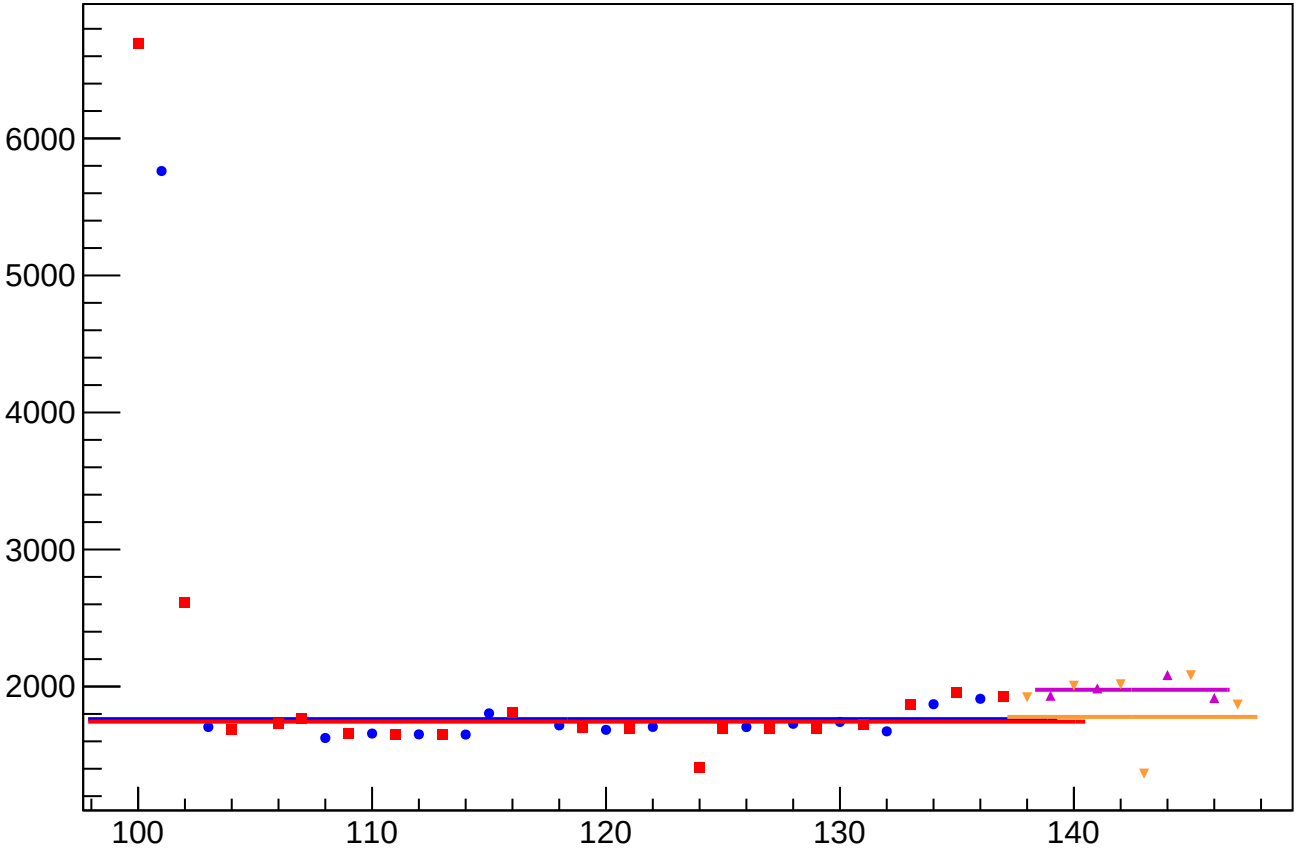
Left In: -1142.888+/-1052.084 χ^2/NDF:5.4/3

+ sign -4.895+/-526.384 χ^2/NDF: 24.0/21

All: -223.419+/-382.155 χ^2/NDF: 40.1/44

- sign -466.965+/-555.704 χ^2/NDF: 15.7/22

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.418+/-0.599 χ^2/NDF:231335.9/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

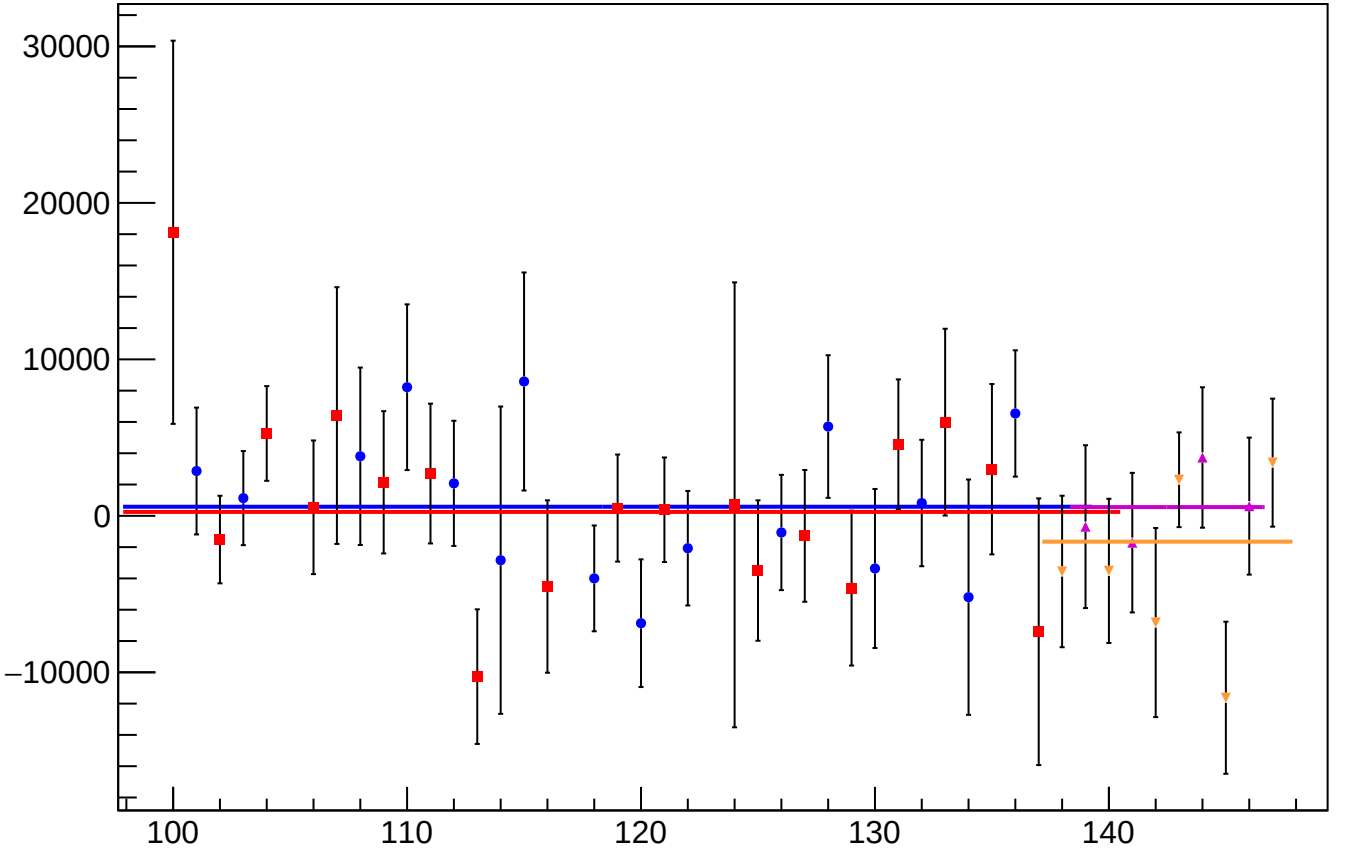
Left In: 1976.385+/-0.744 χ^2/NDF:7488.3/3

+ sign 1768.365+/-0.372 χ^2/NDF: 899490.6/21

All: 1787.323+/-0.270 χ^2/NDF: 1210849.3/44

- sign 1808.364+/-0.392 χ^2/NDF: 305885.2/22

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1648.870+/-1744.802 χ^2/NDF:8.5/5

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

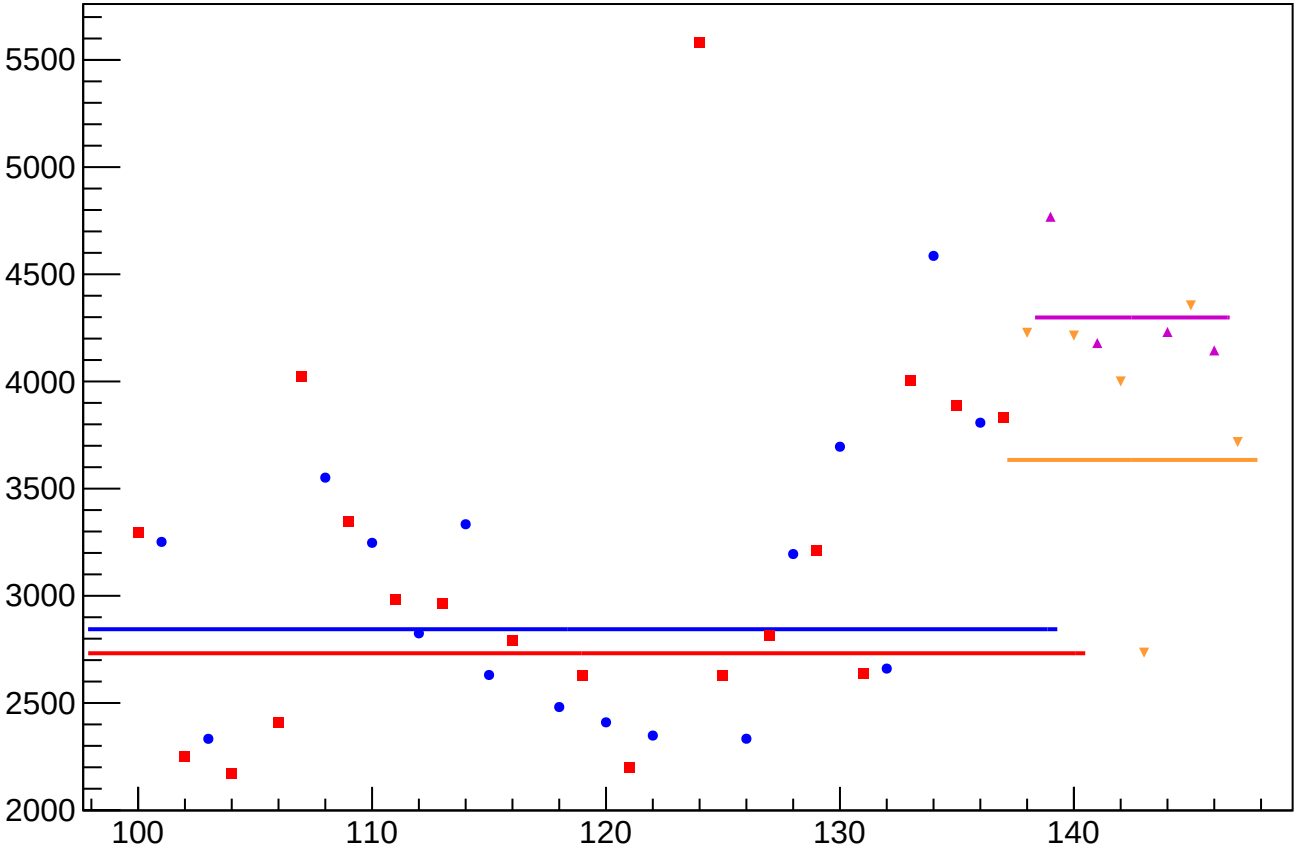
Left In: 560.434+/-2300.038 χ^2/NDF:0.8/3

\+ sign -37.030+/-919.222 χ^2/NDF: 24.5/21

All: 129.578+/-654.873 χ^2/NDF: 43.4/44

\- sign 301.291+/-933.196 χ^2/NDF: 18.8/22

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3633.974+/-1.234 χ^2/NDF:290452.6/5

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

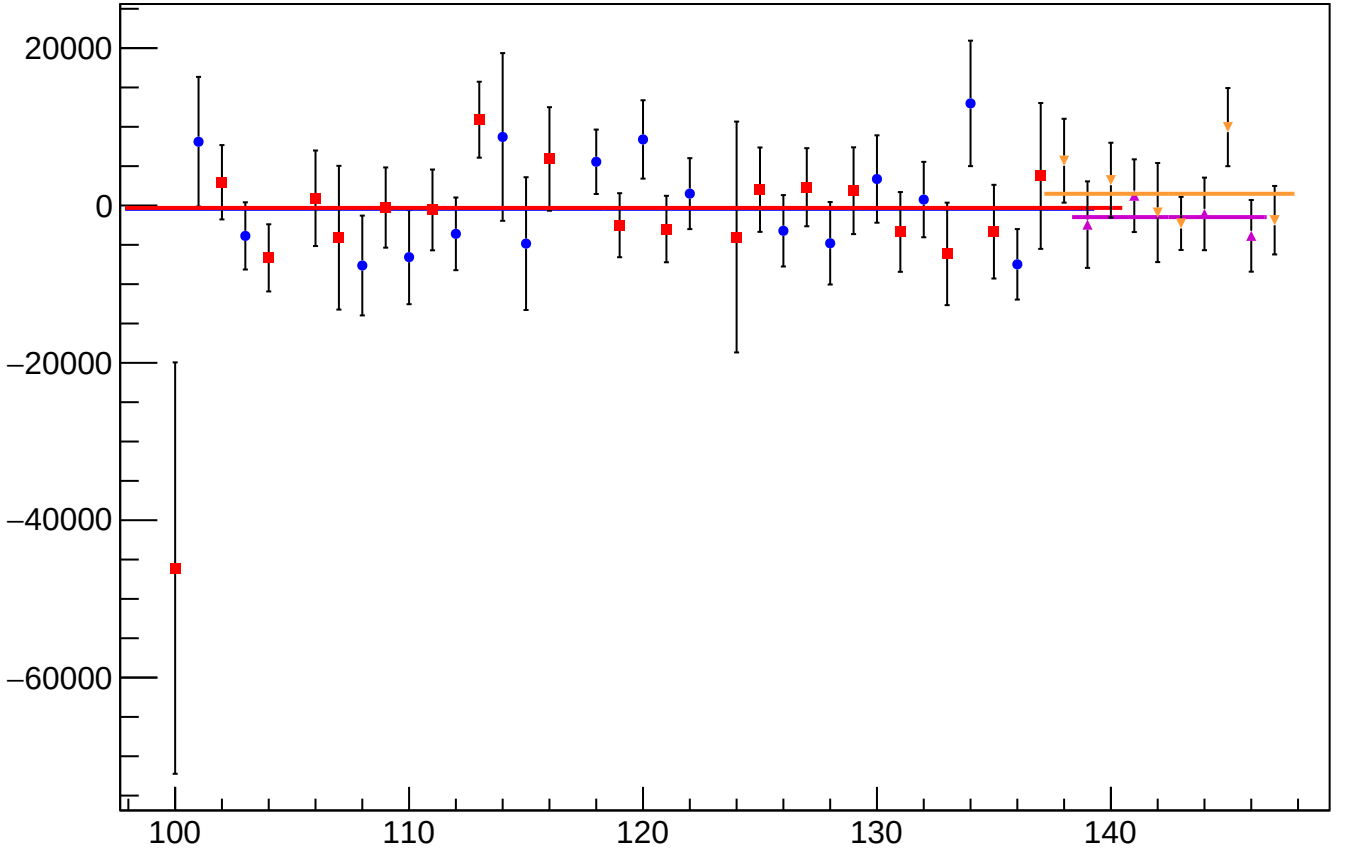
Left In: 4298.514+/-1.626 χ^2/NDF:20657.1/3

+ sign 3063.366+/-0.650 χ^2/NDF: 1128569.0/21

All: 3027.163+/-0.463 χ^2/NDF: 2541847.2/44

- sign 2989.852+/-0.660 χ^2/NDF: 1406978.9/22

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1488.611+/-1870.951 χ^2/NDF:5.6/5

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

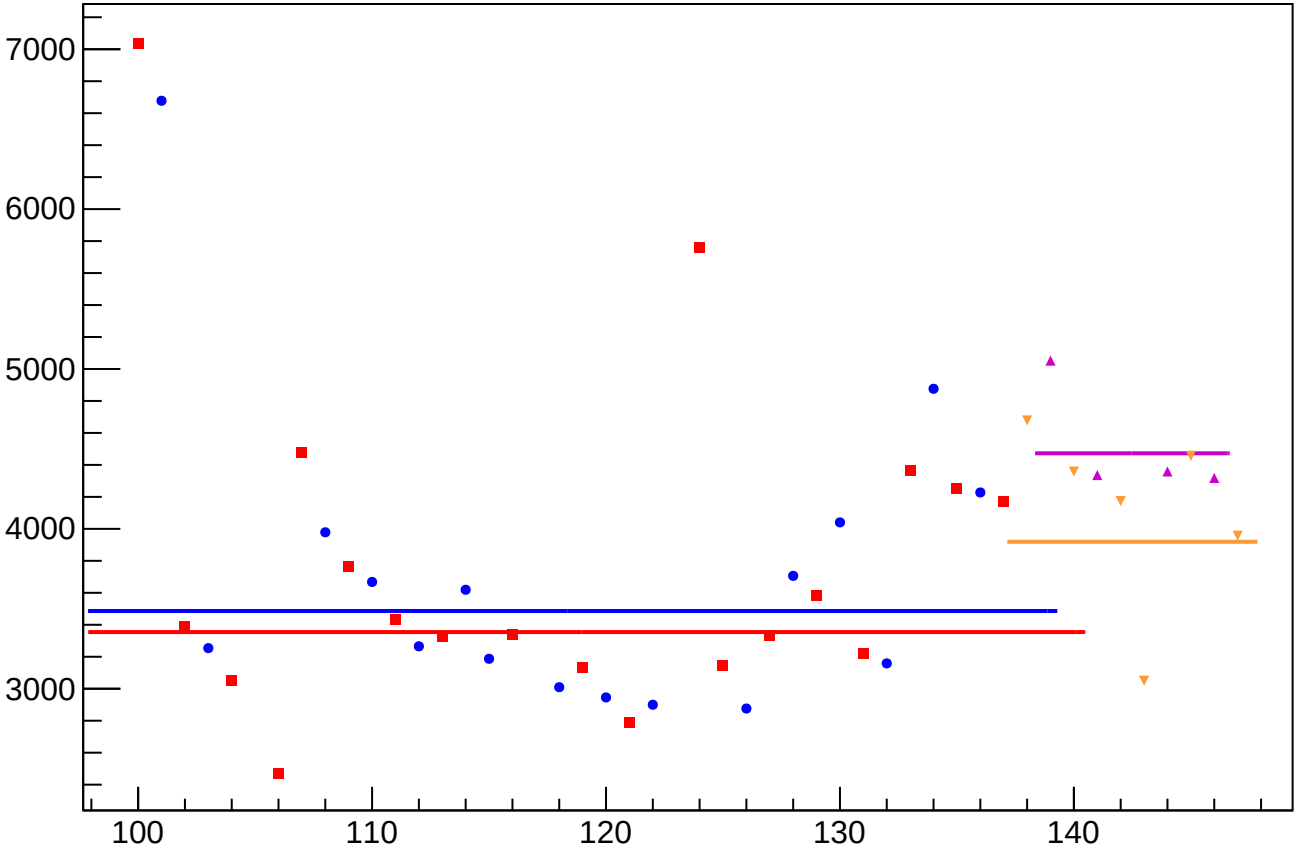
Left In: -1475.200+/-2389.780 χ^2/NDF:0.7/3

+ sign 216.874+/-1082.529 χ^2/NDF: 24.2/21

All: -159.708+/-780.181 χ^2/NDF: 40.6/44

- sign -566.712+/-1125.405 χ^2/NDF: 16.1/22

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3919.272+/-1.323 χ^2/NDF:217059.5/5

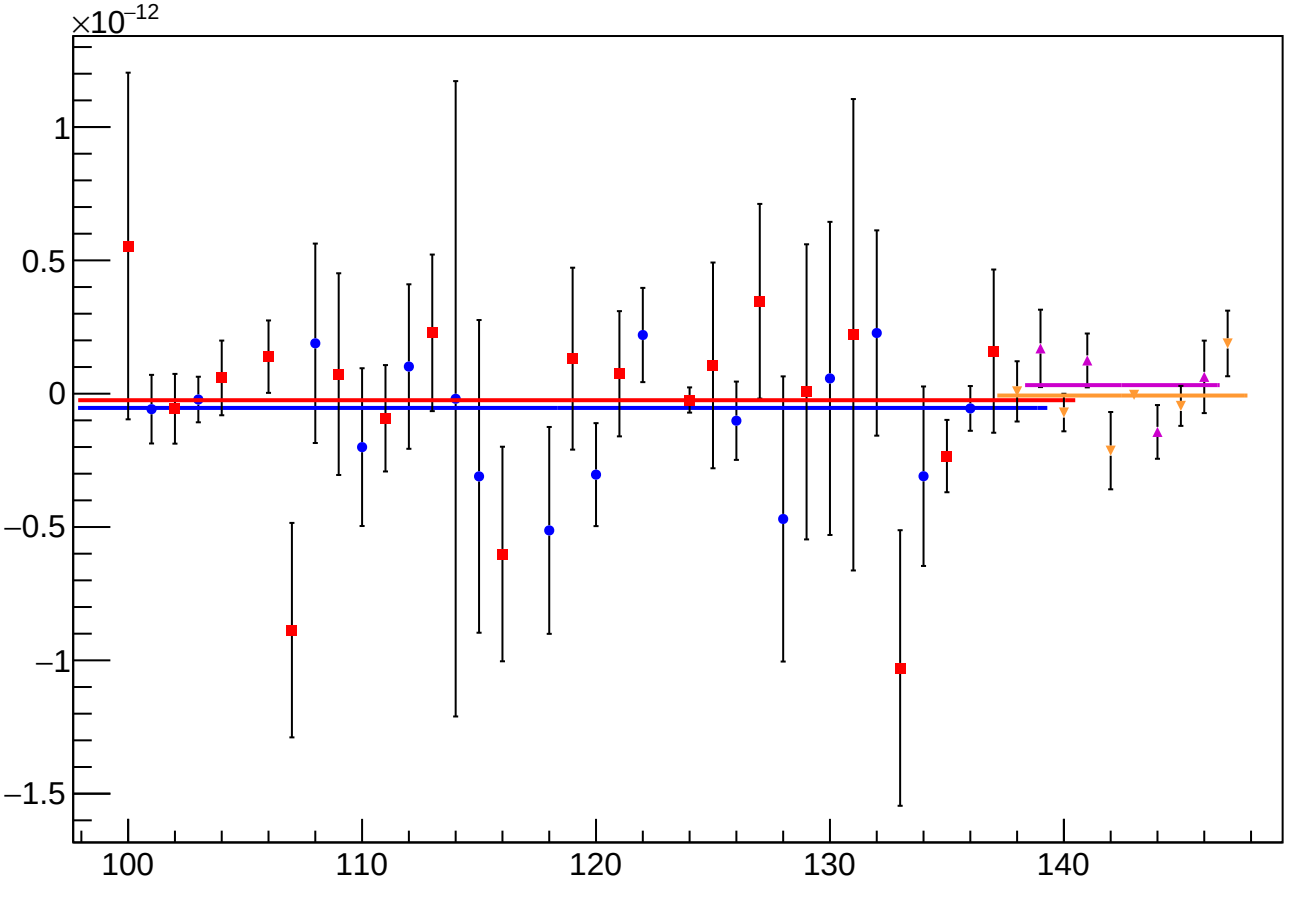
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4472.727+/-1.690 χ^2/NDF:27461.0/3

+ sign 3631.160+/-0.765 χ^2/NDF: 884145.5/21

All: 3614.583+/-0.549 χ^2/NDF: 1631935.0/44

- sign 3597.055+/-0.787 χ^2/NDF: 746824.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

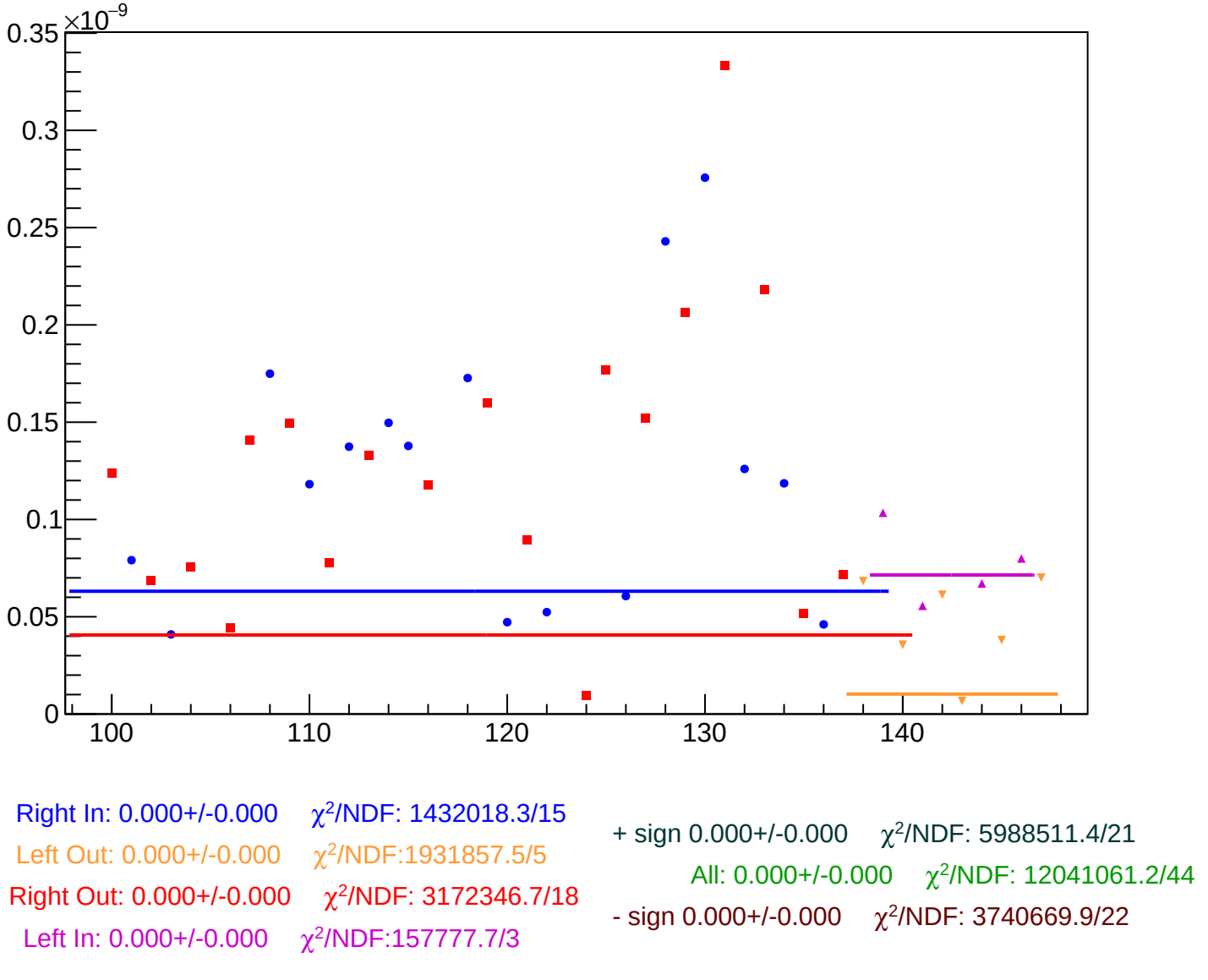
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/3

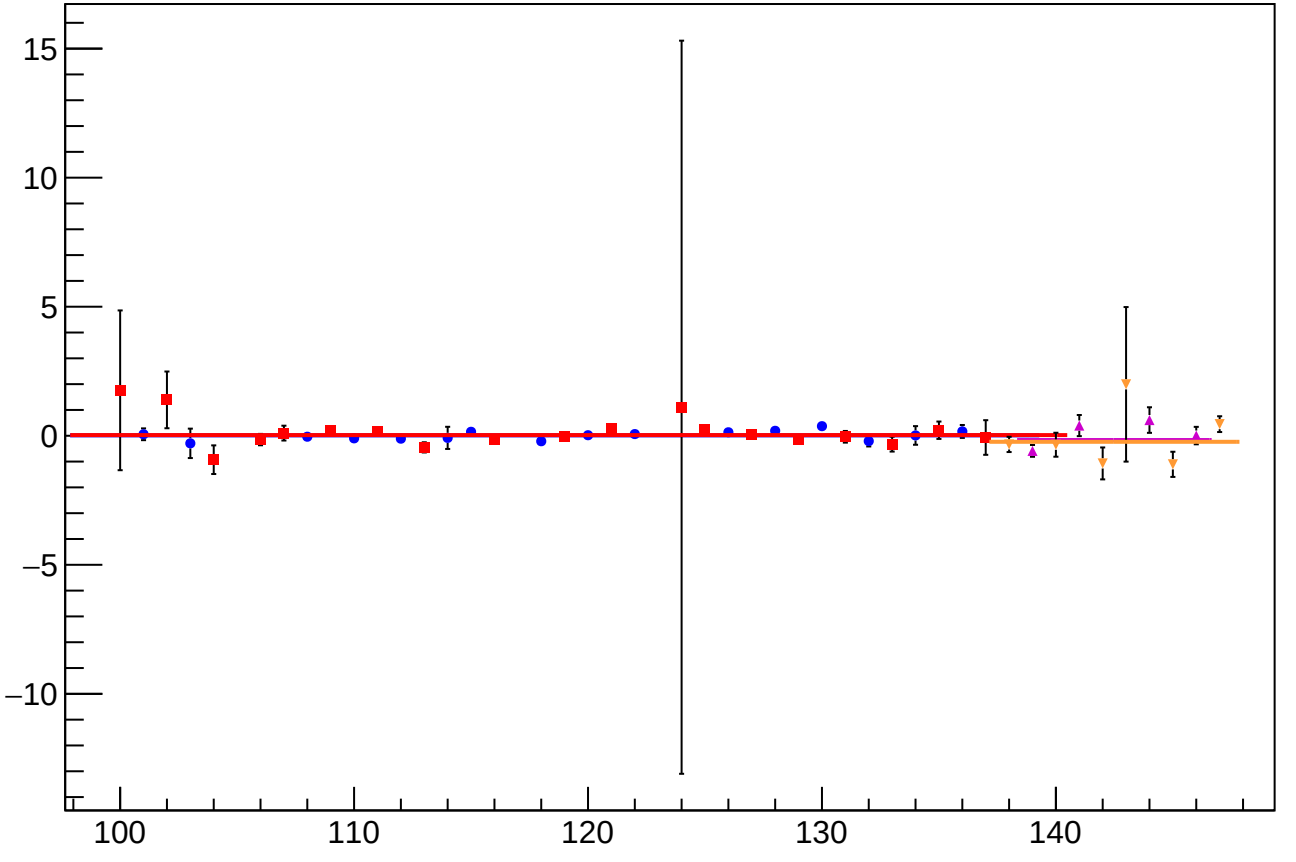
+ sign -0.000+/-0.000 χ^2/NDF: 15.3/21

All: -0.000+/-0.000 χ^2/NDF: 39.2/44

- sign -0.000+/-0.000 χ^2/NDF: 23.9/22


asym_atr1l2_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 1432018.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1931857.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 3172346.7/18
Left In: 0.000+/-0.000 χ²/NDF:157777.7/3
+ sign 0.000+/-0.000 χ²/NDF: 5988511.4/21
All: 0.000+/-0.000 χ²/NDF: 12041061.2/44
- sign 0.000+/-0.000 χ²/NDF: 3740669.9/22

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

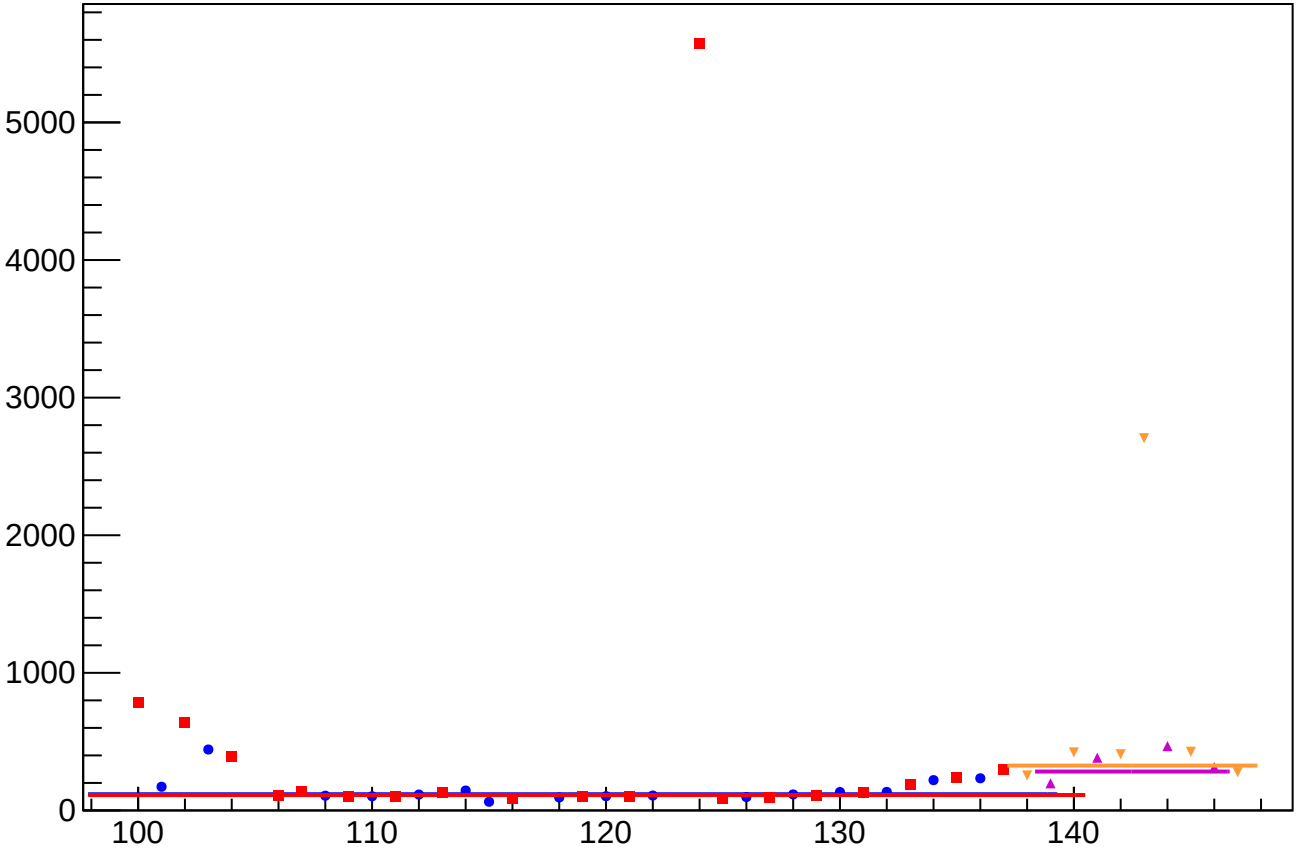
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.004+/-0.032 χ^2/NDF: 55.9/44

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 326.032+/-0.122 χ^2/NDF:1637316.6/5

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

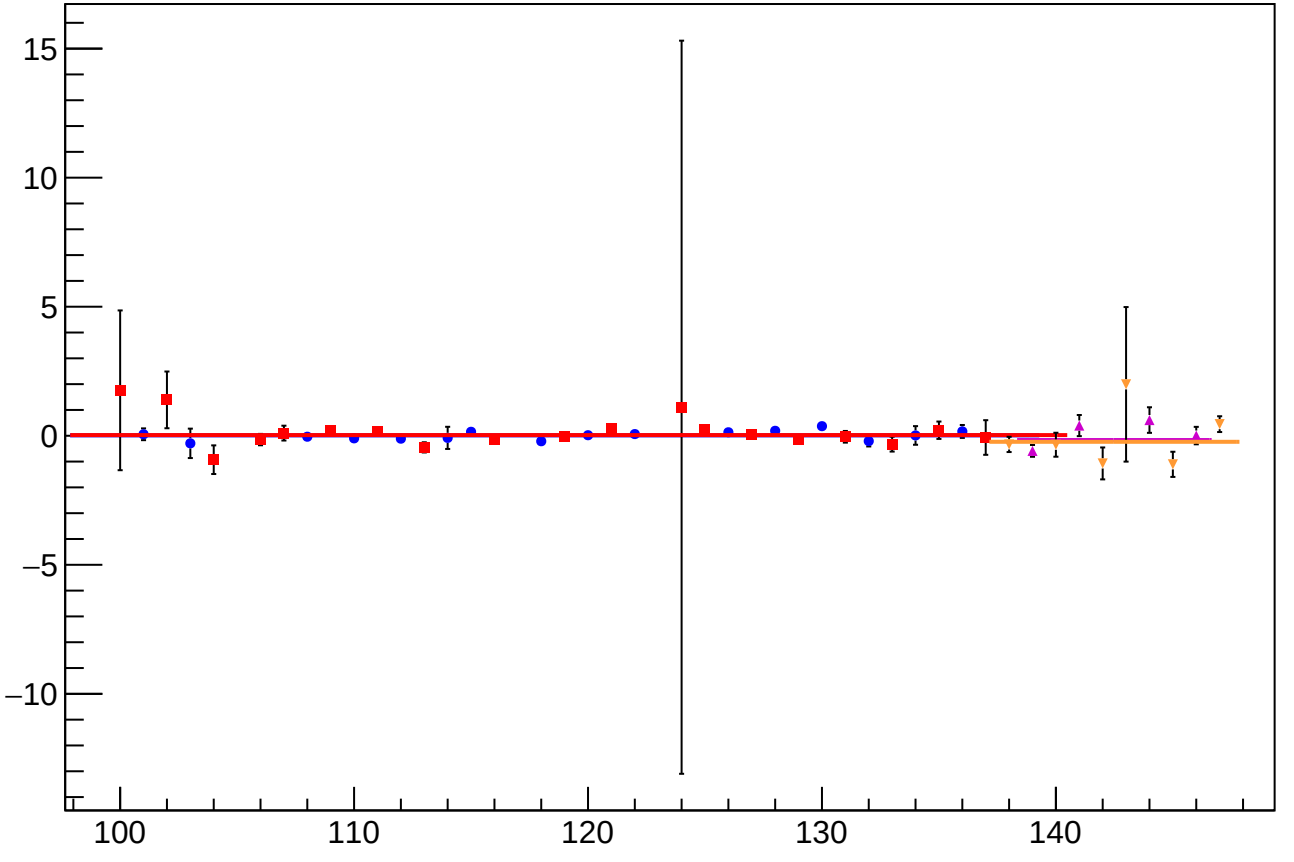
Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

+ sign 132.624+/-0.033 χ^2/NDF: 6080454.3/21

All: 128.825+/-0.023 χ^2/NDF: 11022891.5/44

- sign 125.210+/-0.032 χ^2/NDF: 4915977.2/22

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

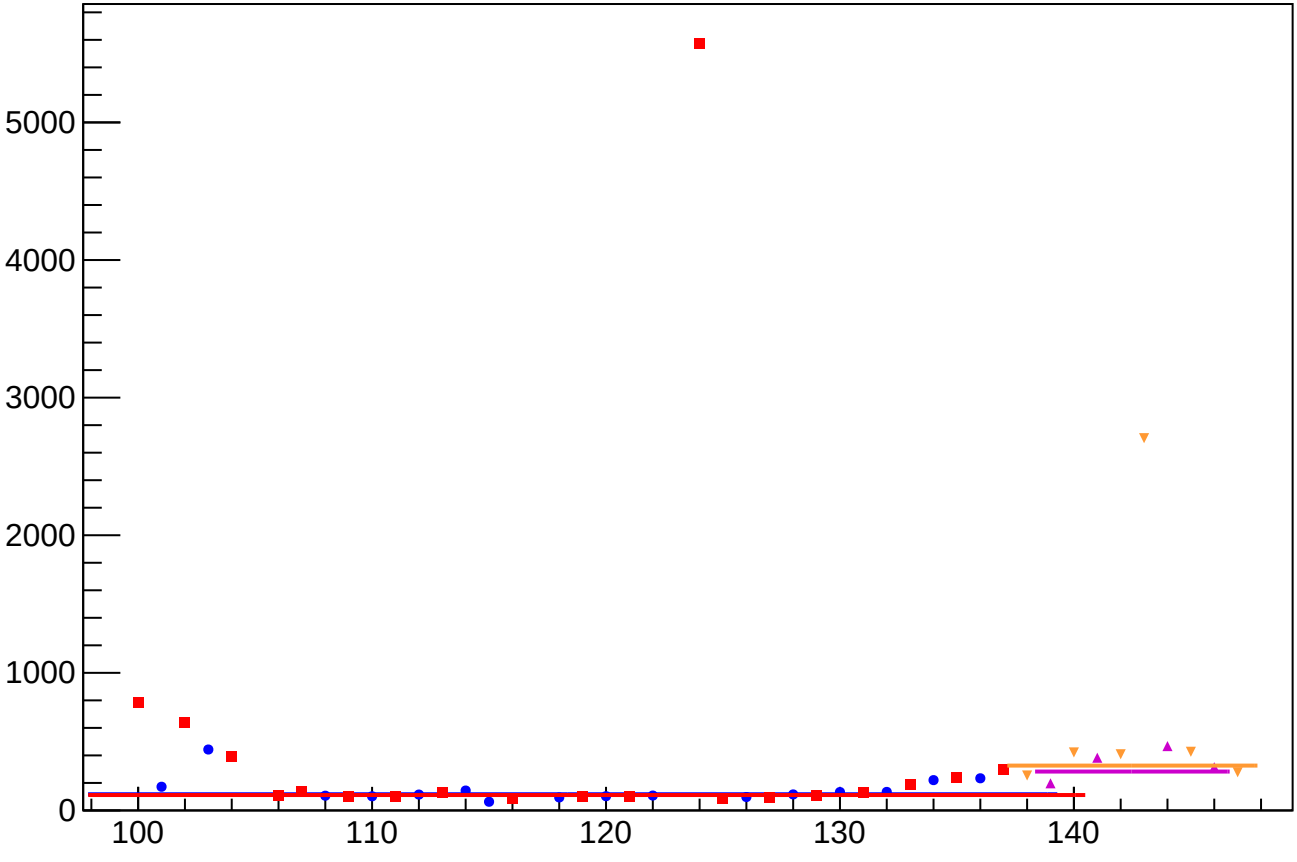
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.004+/-0.032 χ^2/NDF: 55.9/44

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

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: 326.032+/-0.122 χ^2/NDF:1637316.6/5

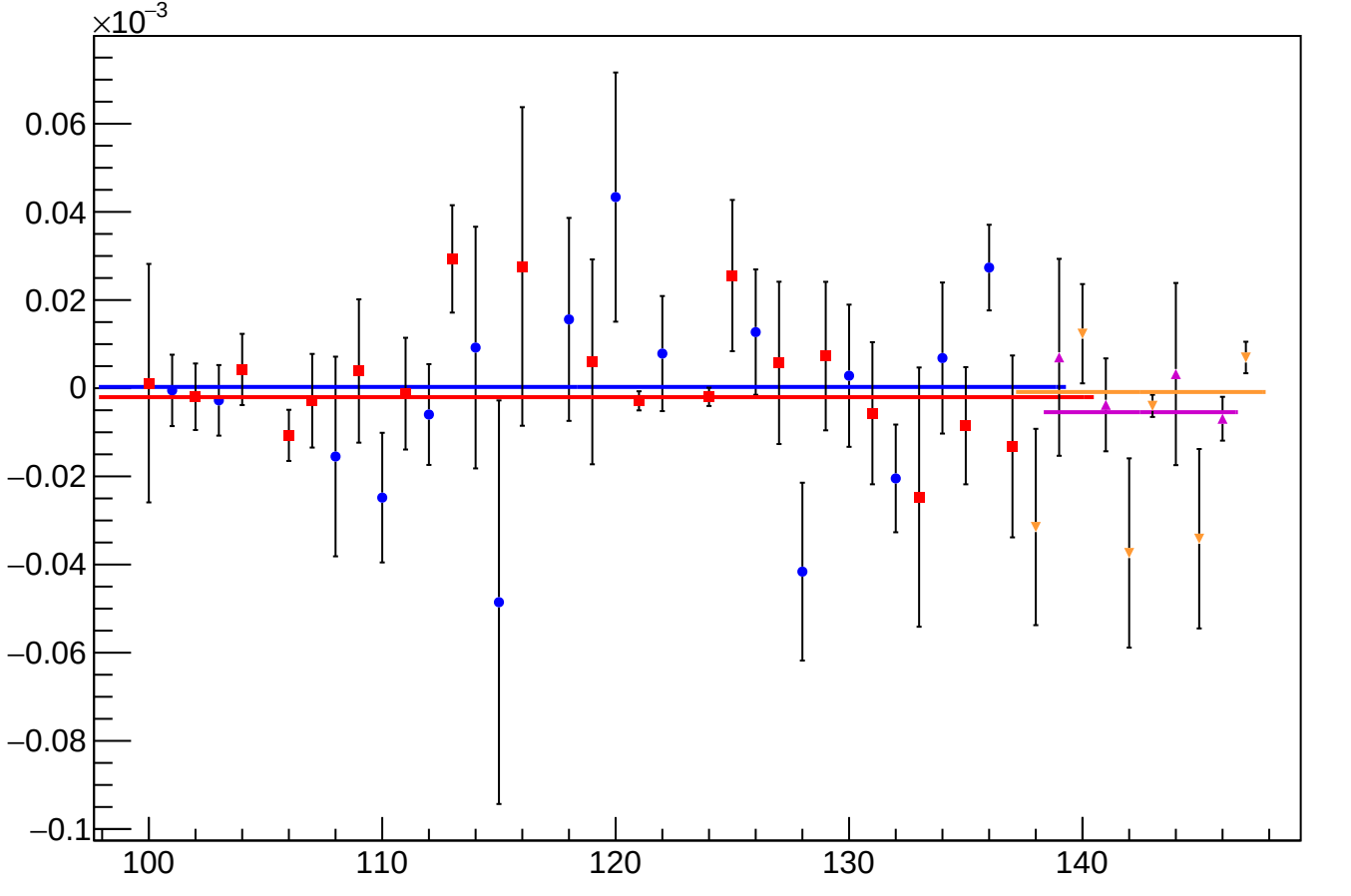
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

+ sign 132.624+/-0.033 χ^2/NDF: 6080454.3/21

All: 128.825+/-0.023 χ^2/NDF: 11022891.5/44

- sign 125.210+/-0.032 χ^2/NDF: 4915977.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

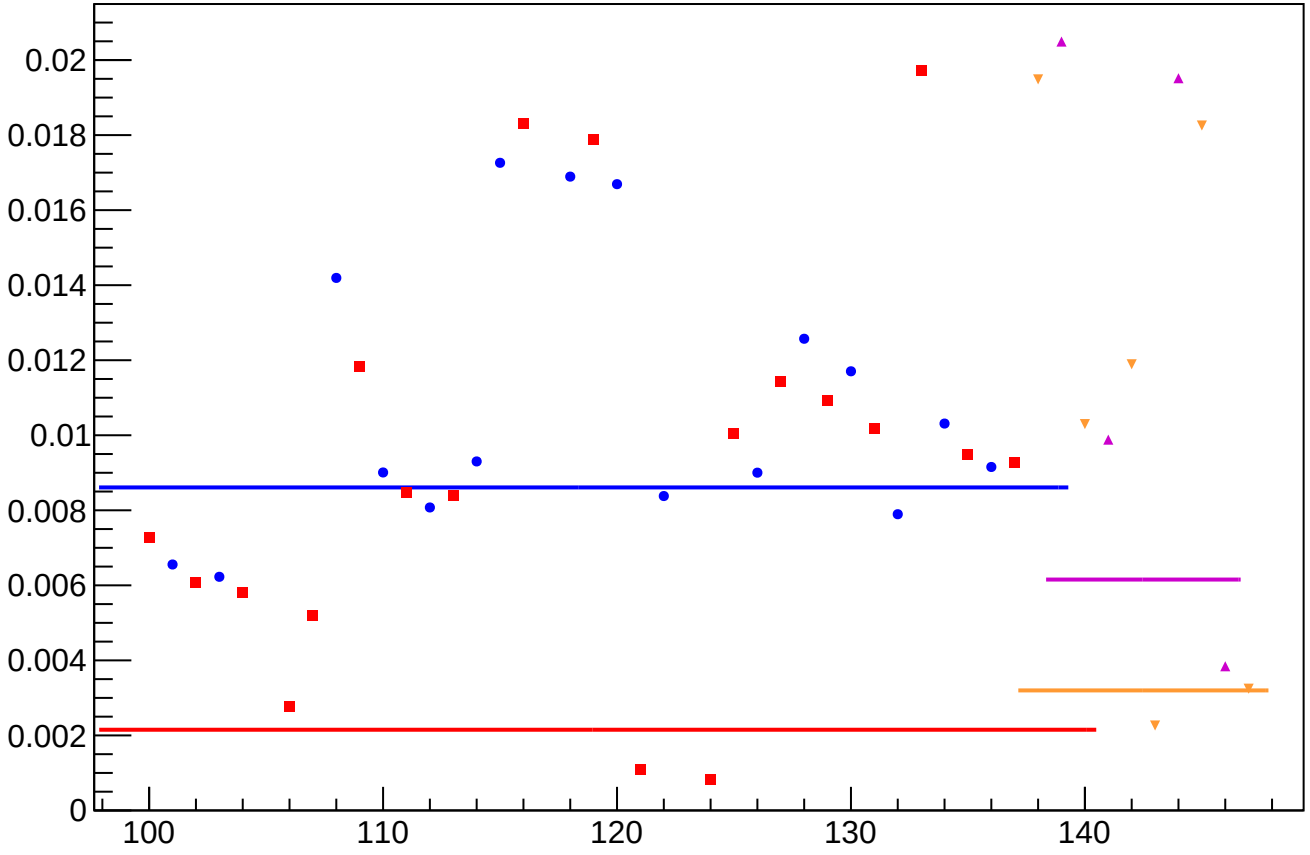
Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/21

All: -0.000+/-0.000 χ^2/NDF: 56.0/44

- sign -0.000+/-0.000 χ^2/NDF: 16.0/22

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: 0.003+/-0.000 χ^2/NDF:3563361.6/5

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

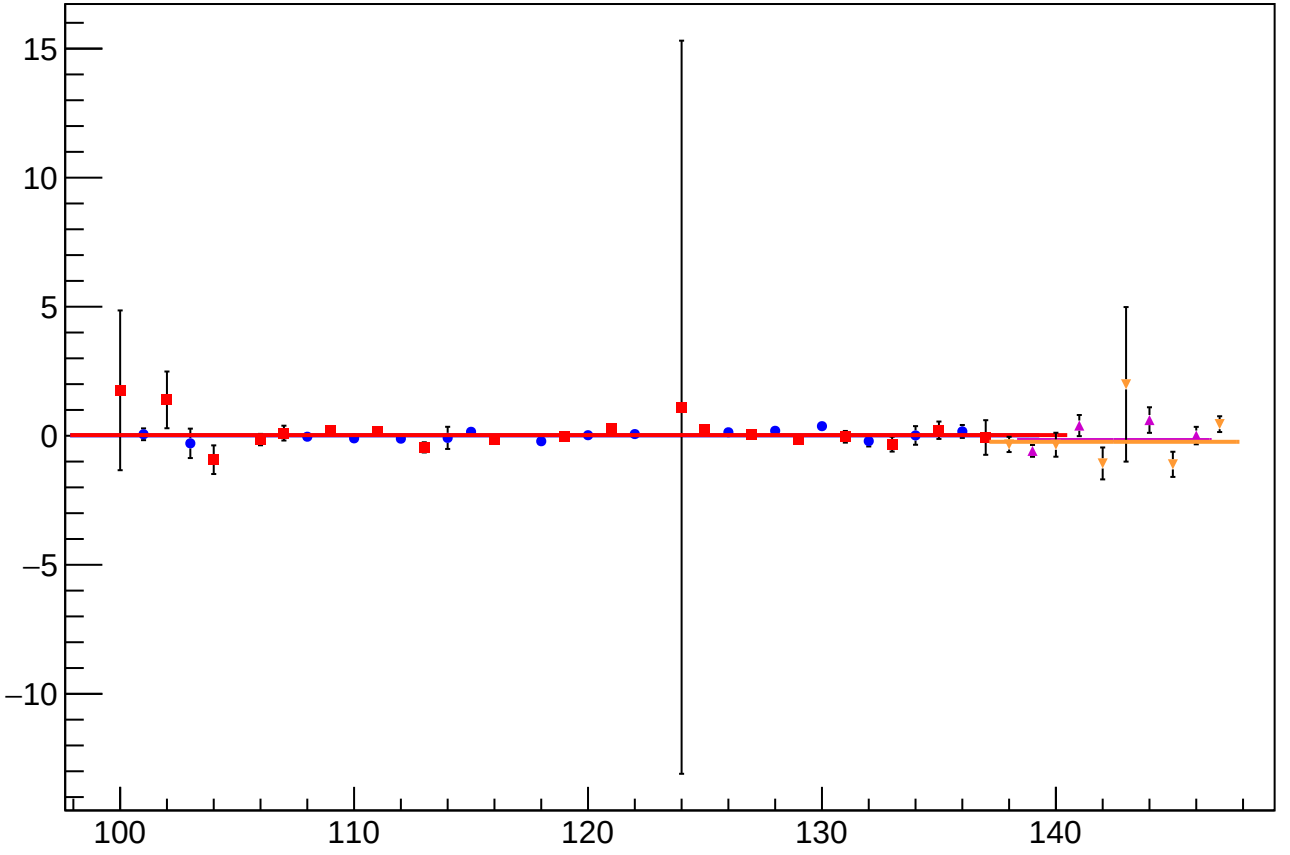
Left In: 0.006+/-0.000 χ^2/NDF:2343866.9/3

+ sign 0.005+/-0.000 χ^2/NDF: 8484747.4/21

All: 0.003+/-0.000 χ^2/NDF: 23414167.6/44

- sign 0.003+/-0.000 χ^2/NDF: 13005357.4/22

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

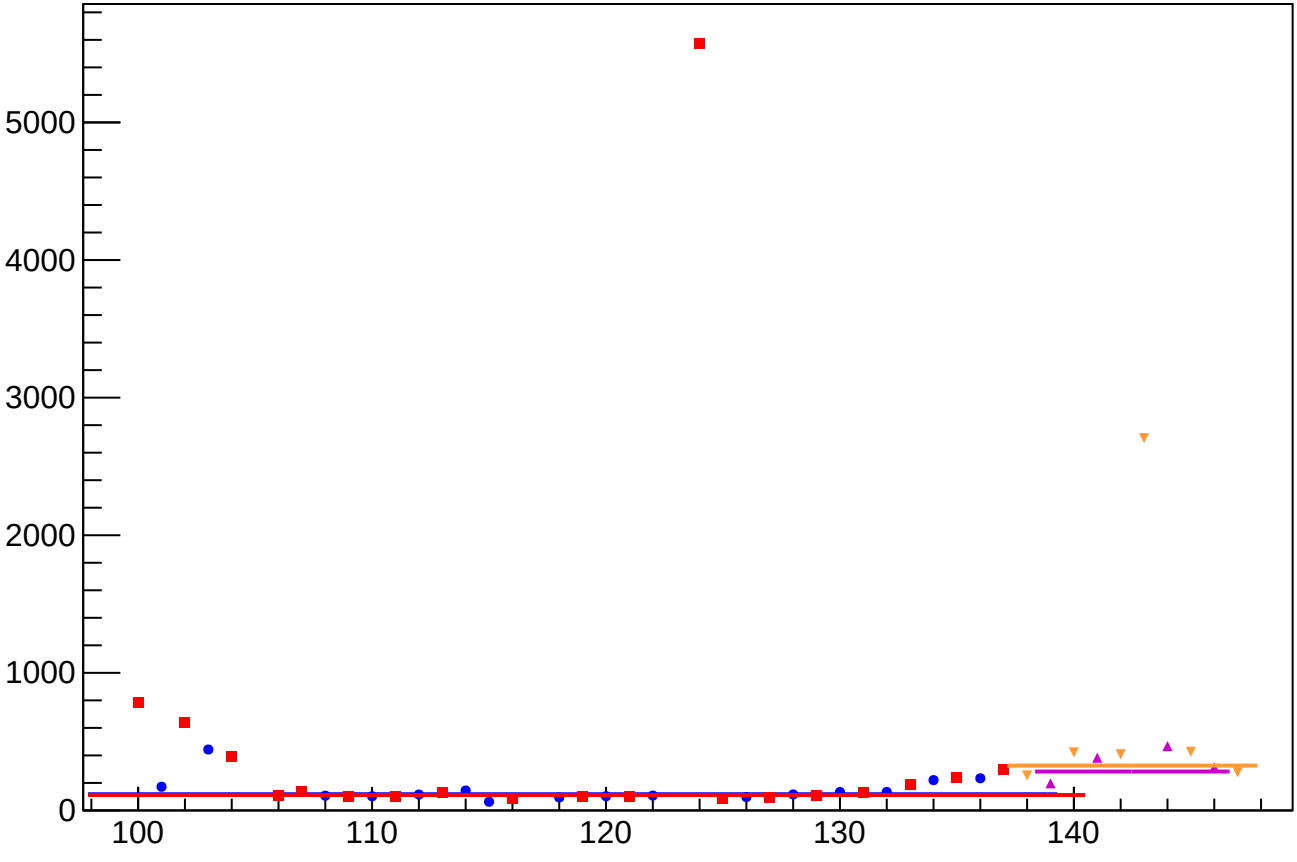
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.004+/-0.032 χ^2/NDF: 55.9/44

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

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: 326.035+/-0.122 χ^2/NDF:1637334.2/5

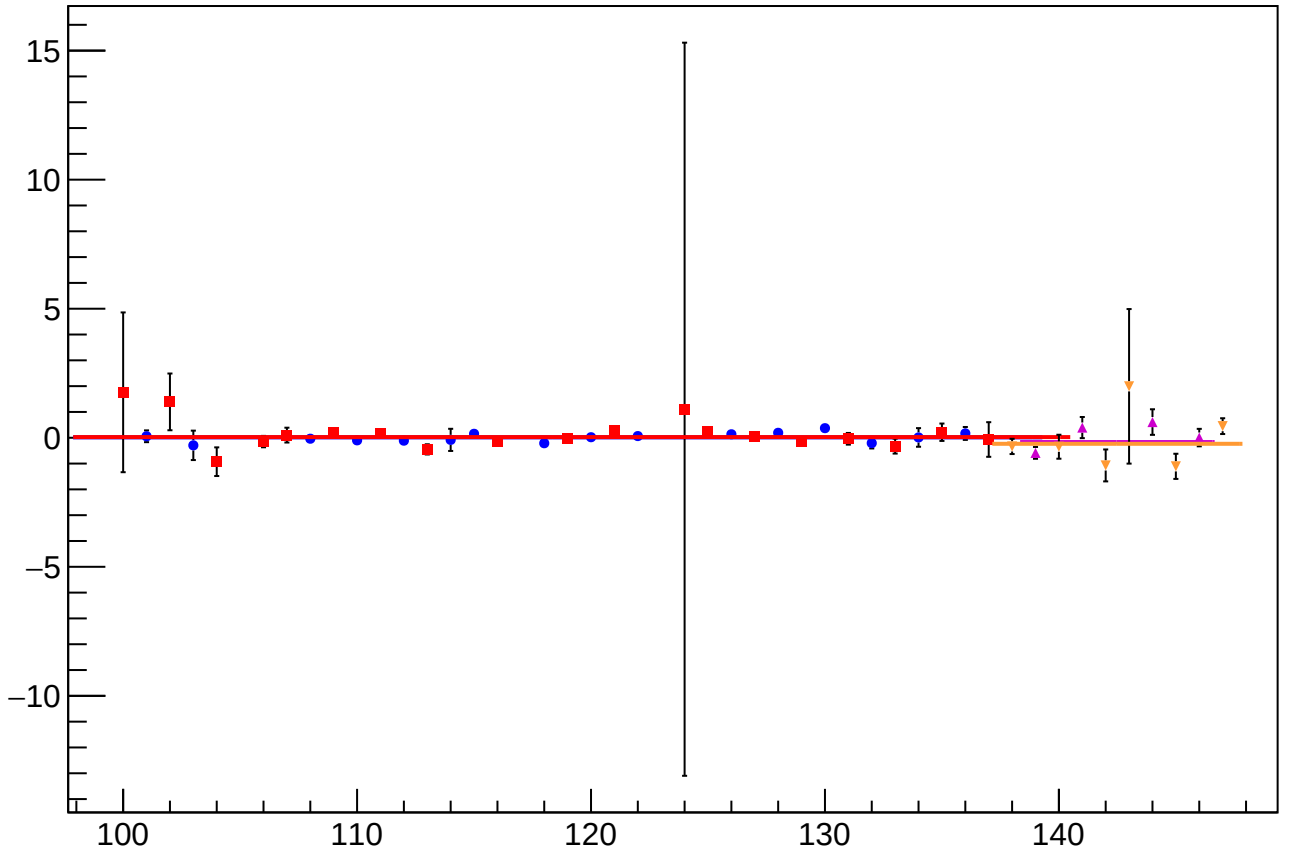
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

+ sign 132.624+/-0.033 χ^2/NDF: 6080465.4/21

All: 128.826+/-0.023 χ^2/NDF: 11022814.5/44

- sign 125.211+/-0.032 χ^2/NDF: 4915902.1/22



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

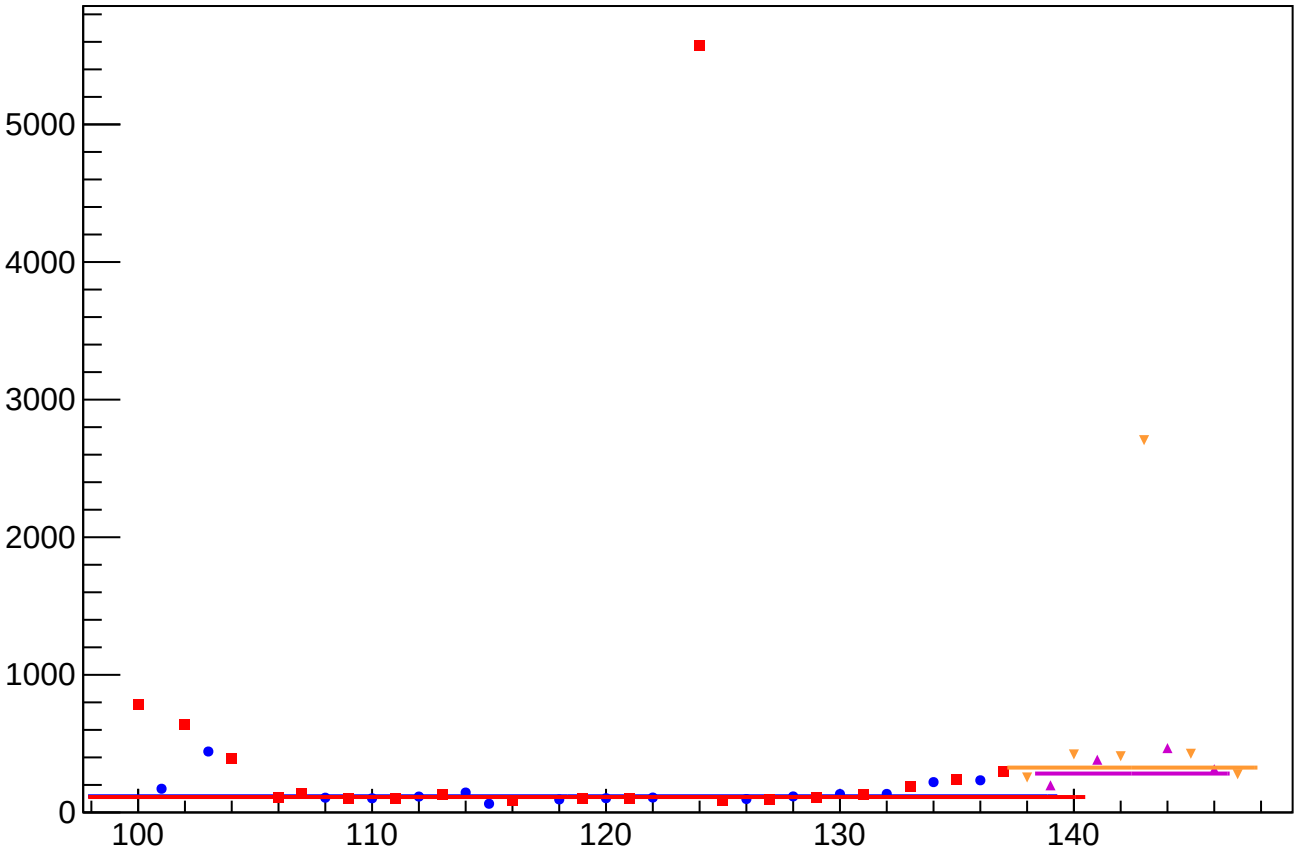
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.004+/-0.032 χ^2/NDF: 55.9/44

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 326.035+/-0.122 χ^2/NDF:1637334.2/5

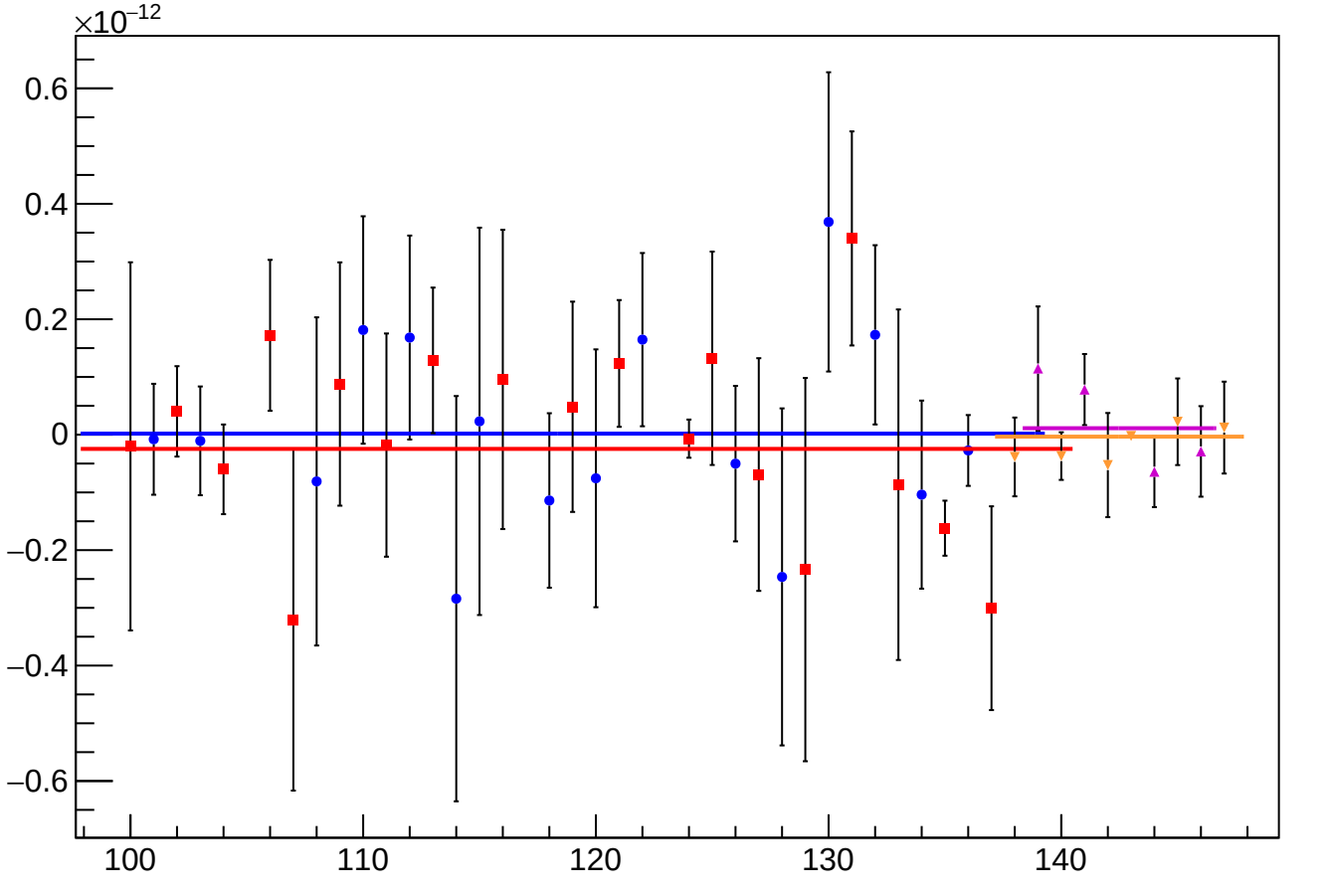
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

+ sign 132.624+/-0.033 χ^2/NDF: 6080465.4/21

All: 128.826+/-0.023 χ^2/NDF: 11022814.5/44

- sign 125.211+/-0.032 χ^2/NDF: 4915902.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/5

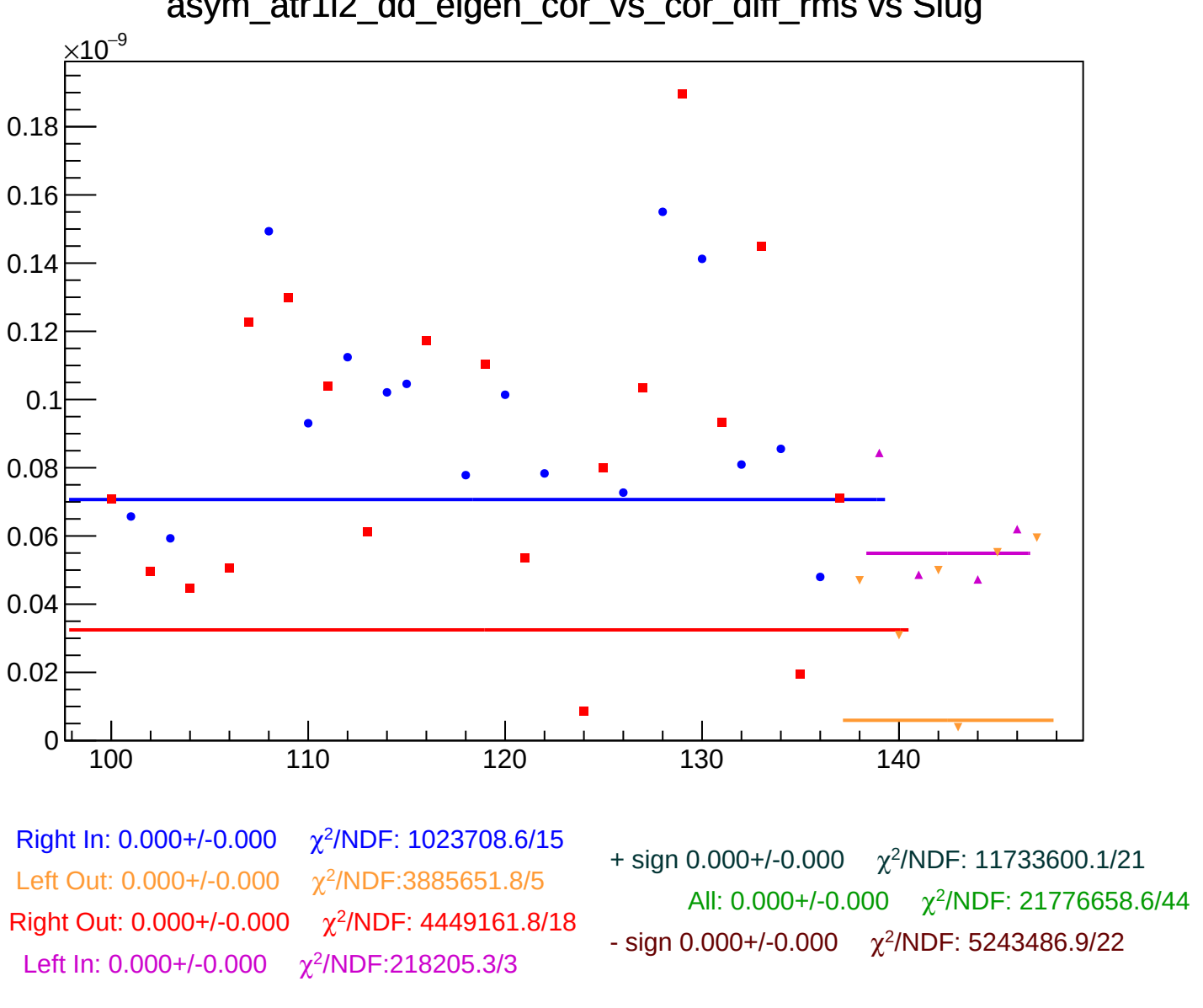
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/3

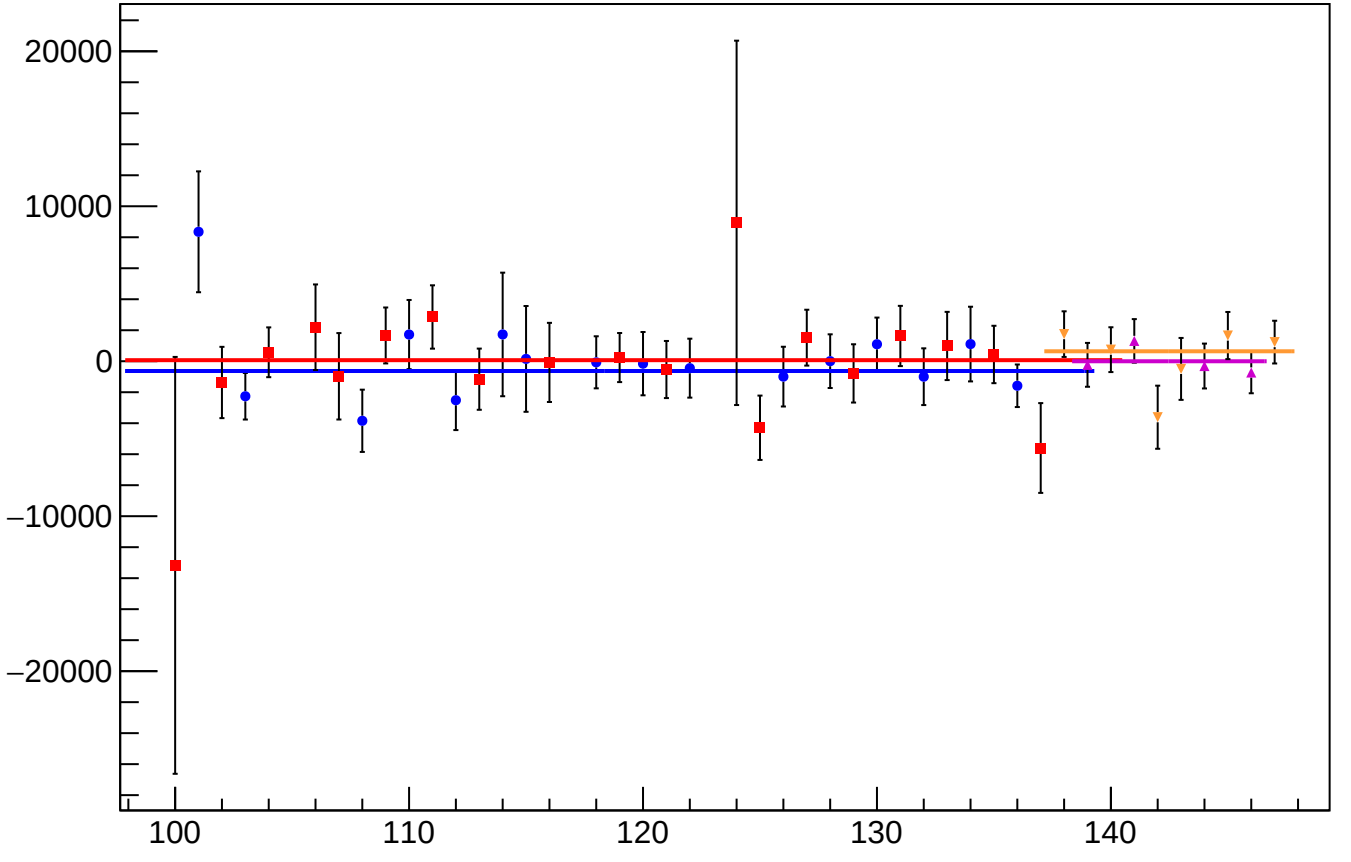
+ sign -0.000+/-0.000 χ^2/NDF: 10.6/21

All: -0.000+/-0.000 χ^2/NDF: 39.8/44

- sign -0.000+/-0.000 χ^2/NDF: 28.8/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3885651.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:218205.3/3
+ sign 0.000+/-0.000 χ²/NDF: 11733600.1/21
All: 0.000+/-0.000 χ²/NDF: 21776658.6/44
- sign 0.000+/-0.000 χ²/NDF: 5243486.9/22

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

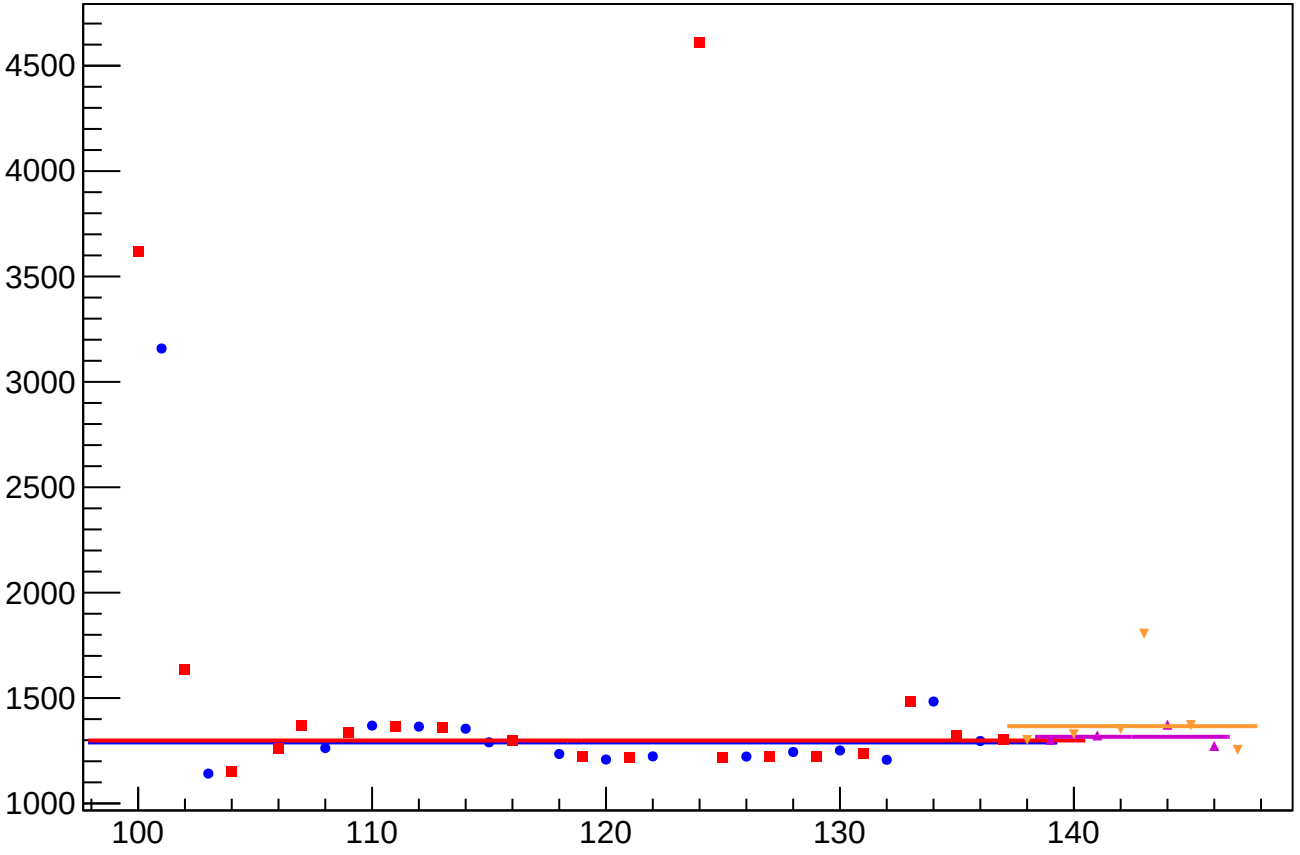
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -64.724+/-279.295 χ^2/NDF: 39.5/44

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

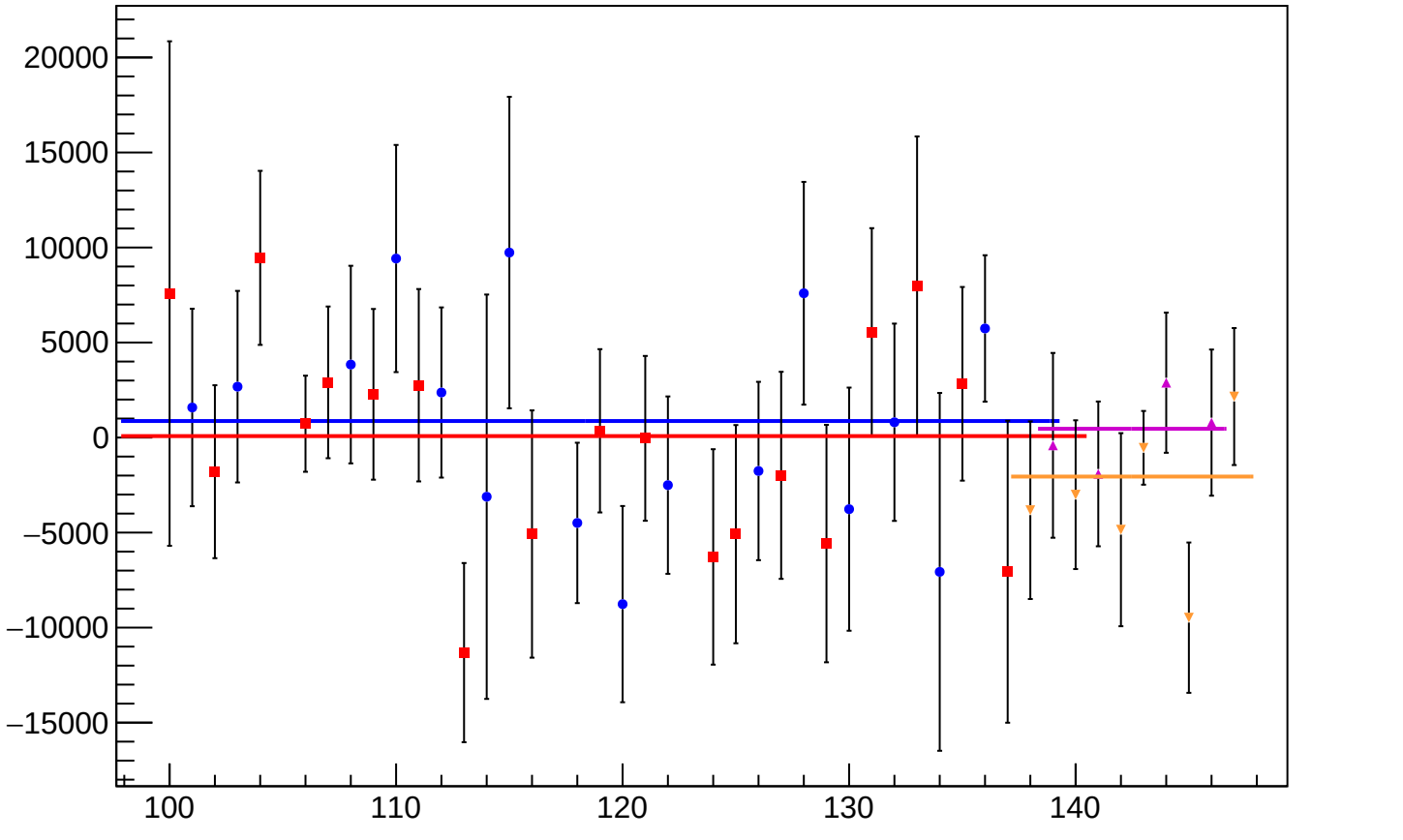
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

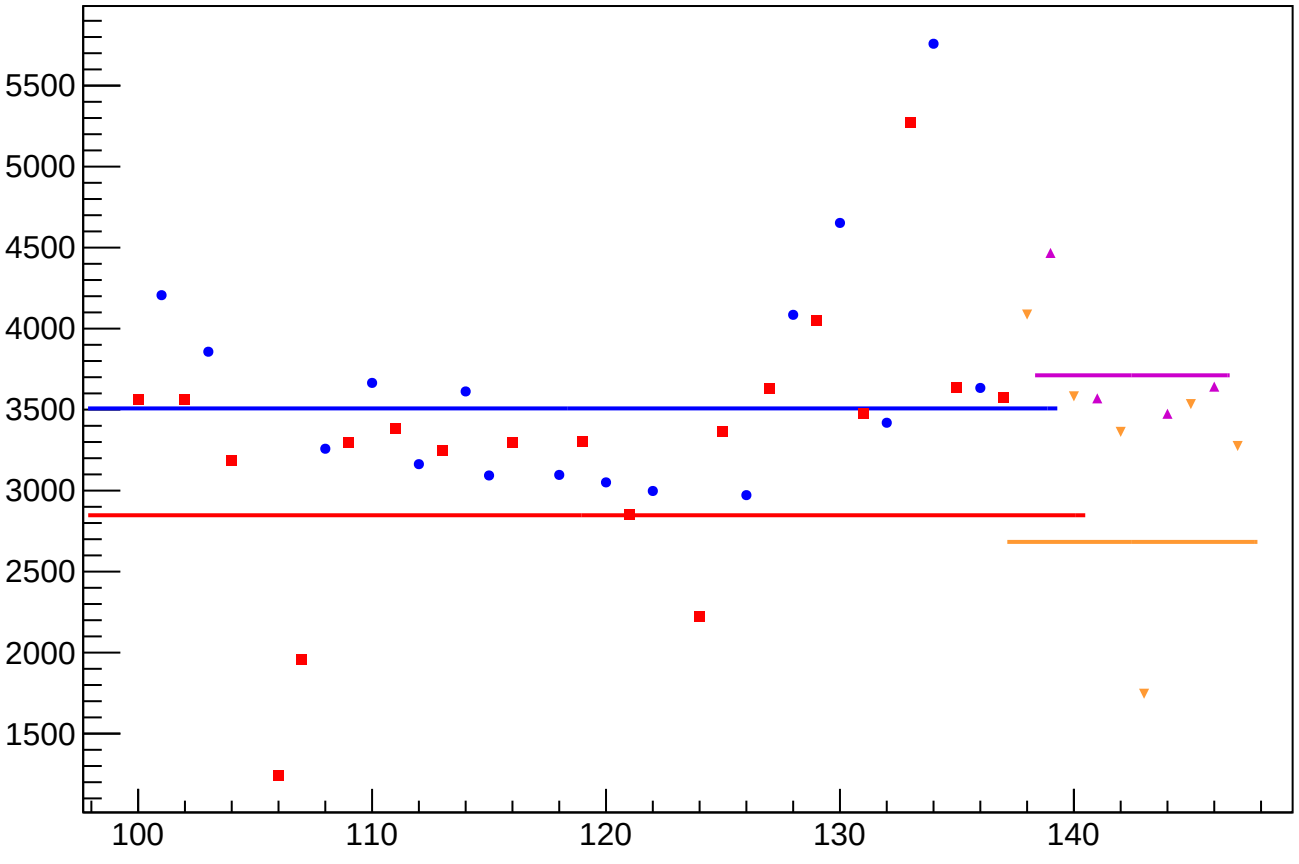
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -213.857+/-675.992 χ^2/NDF: 42.0/44

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

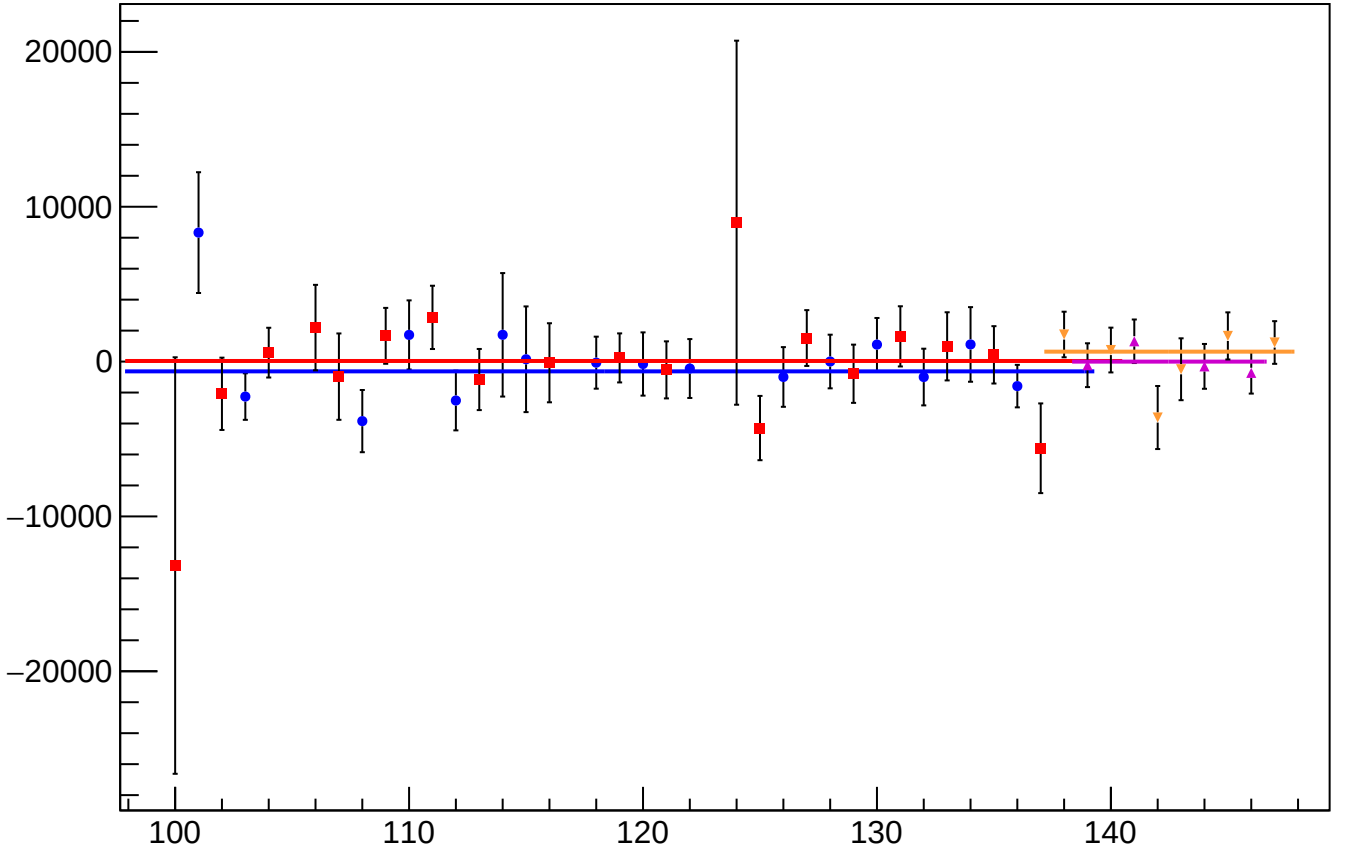
Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

+ sign 3100.086+/-0.666 χ^2/NDF: 1671168.1/21

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44

- sign 3053.053+/-0.686 χ^2/NDF: 1846607.5/22

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

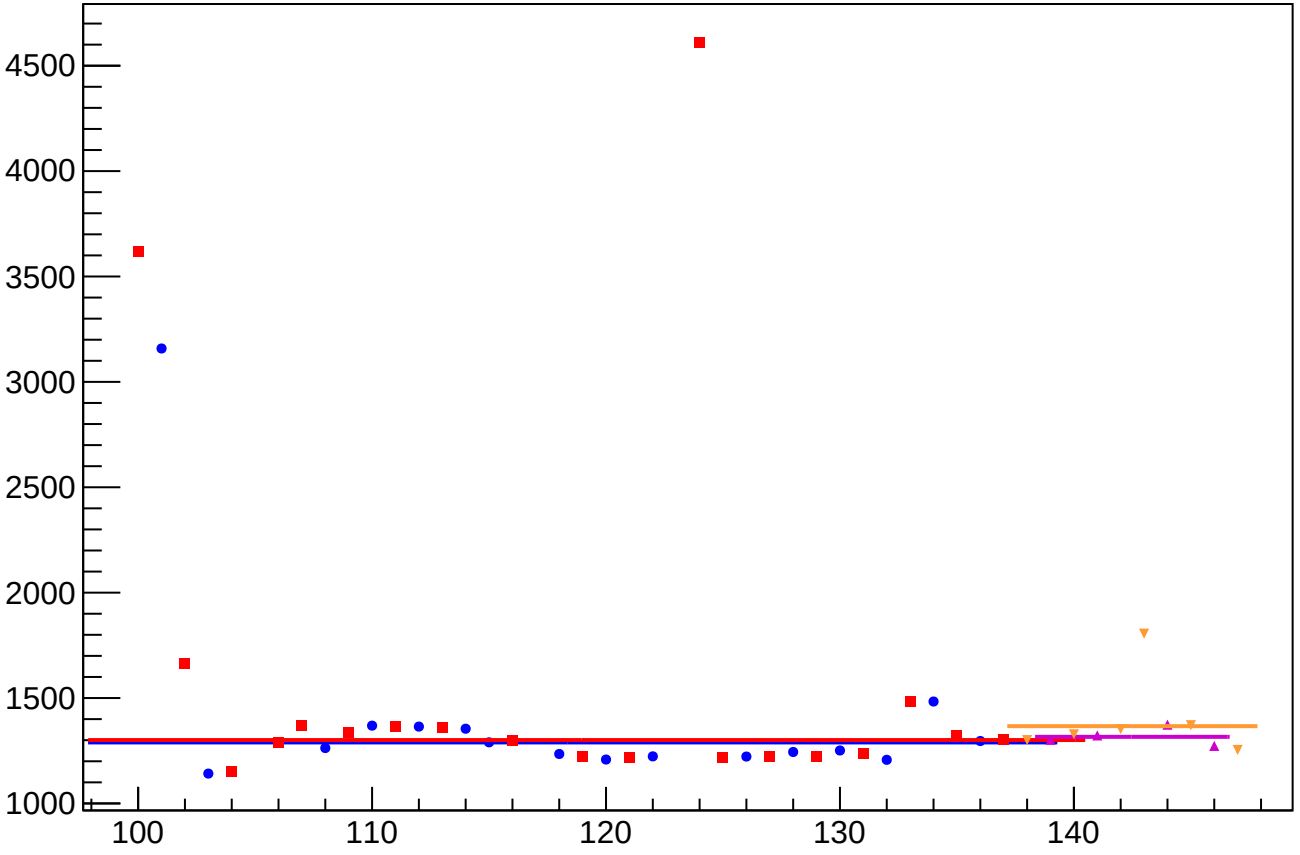
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

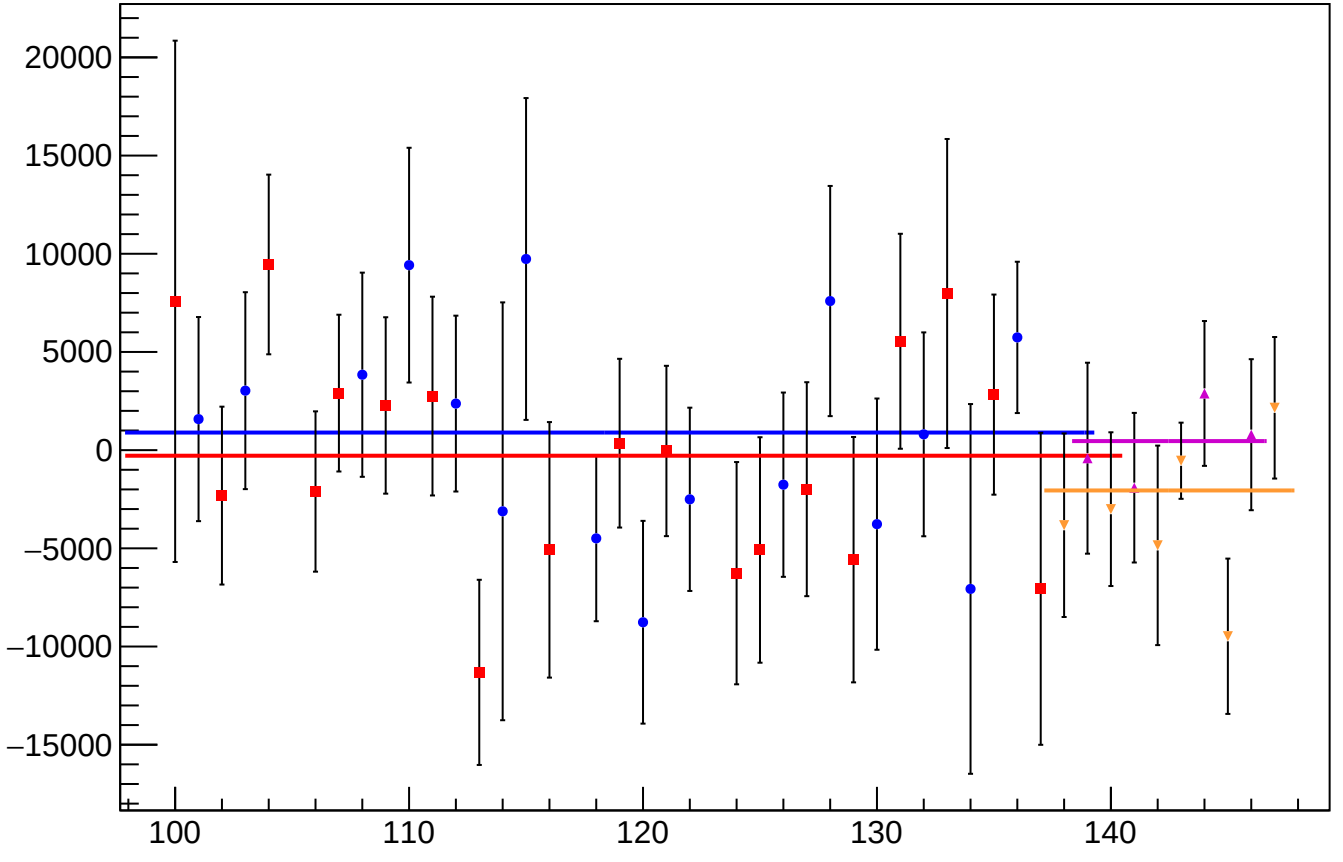
Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

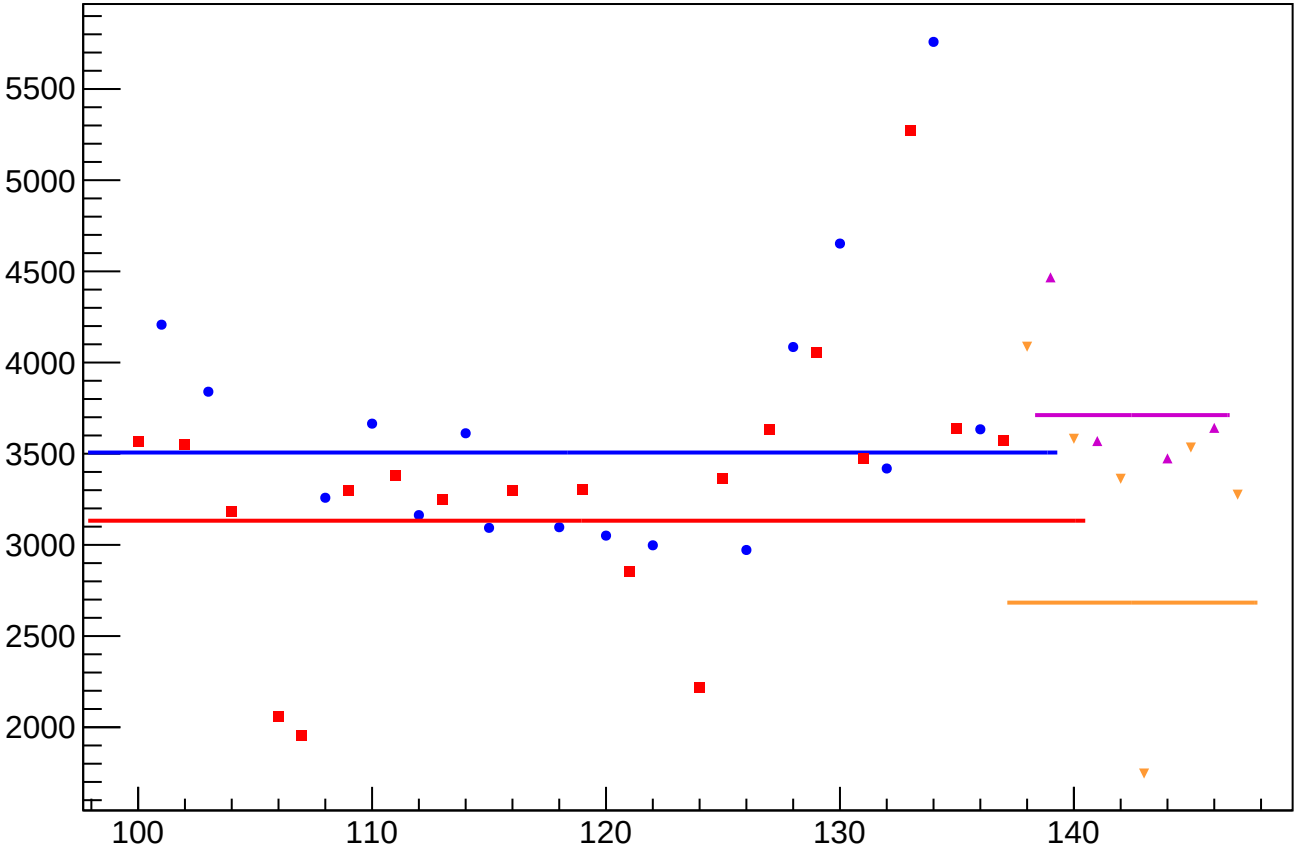
Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

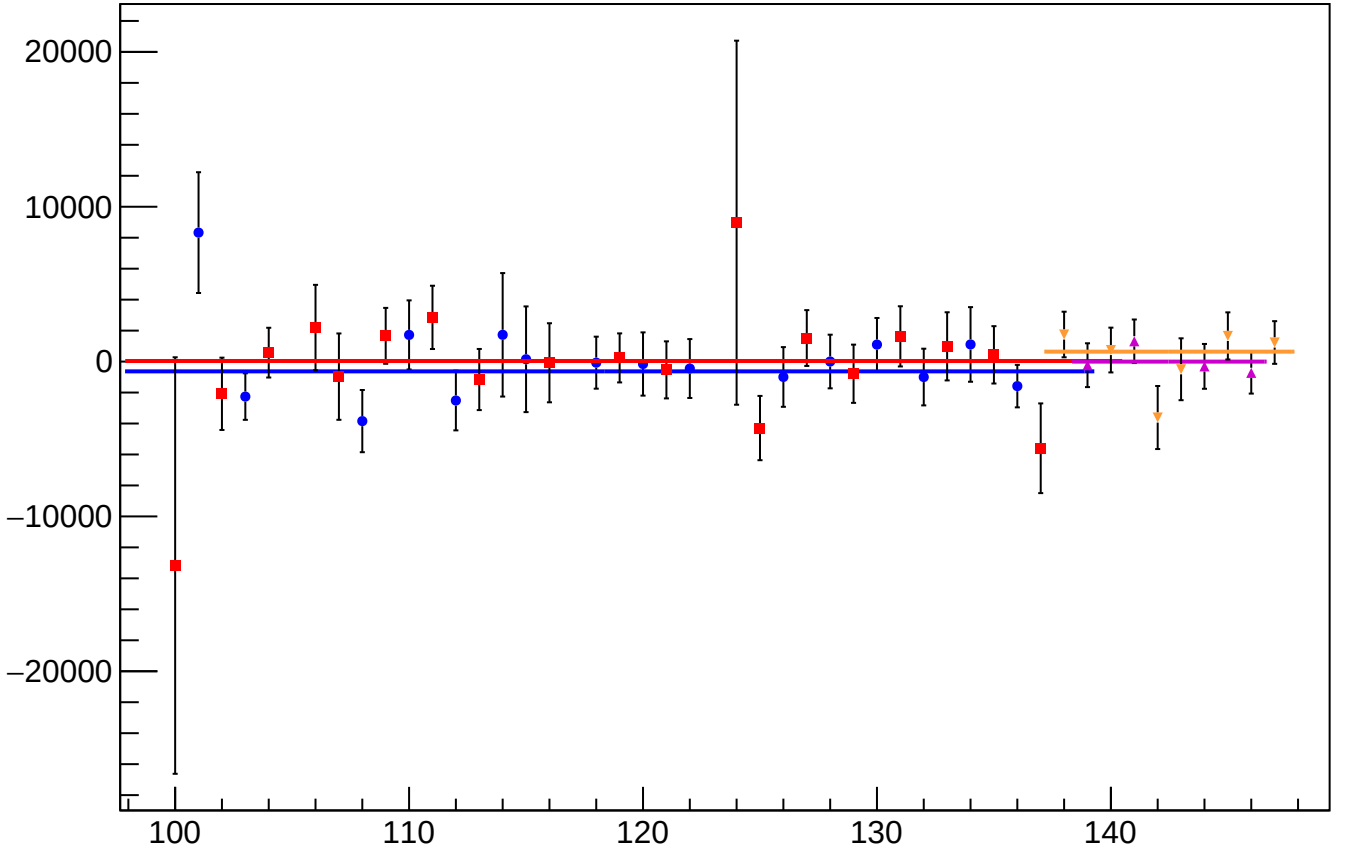
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

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: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

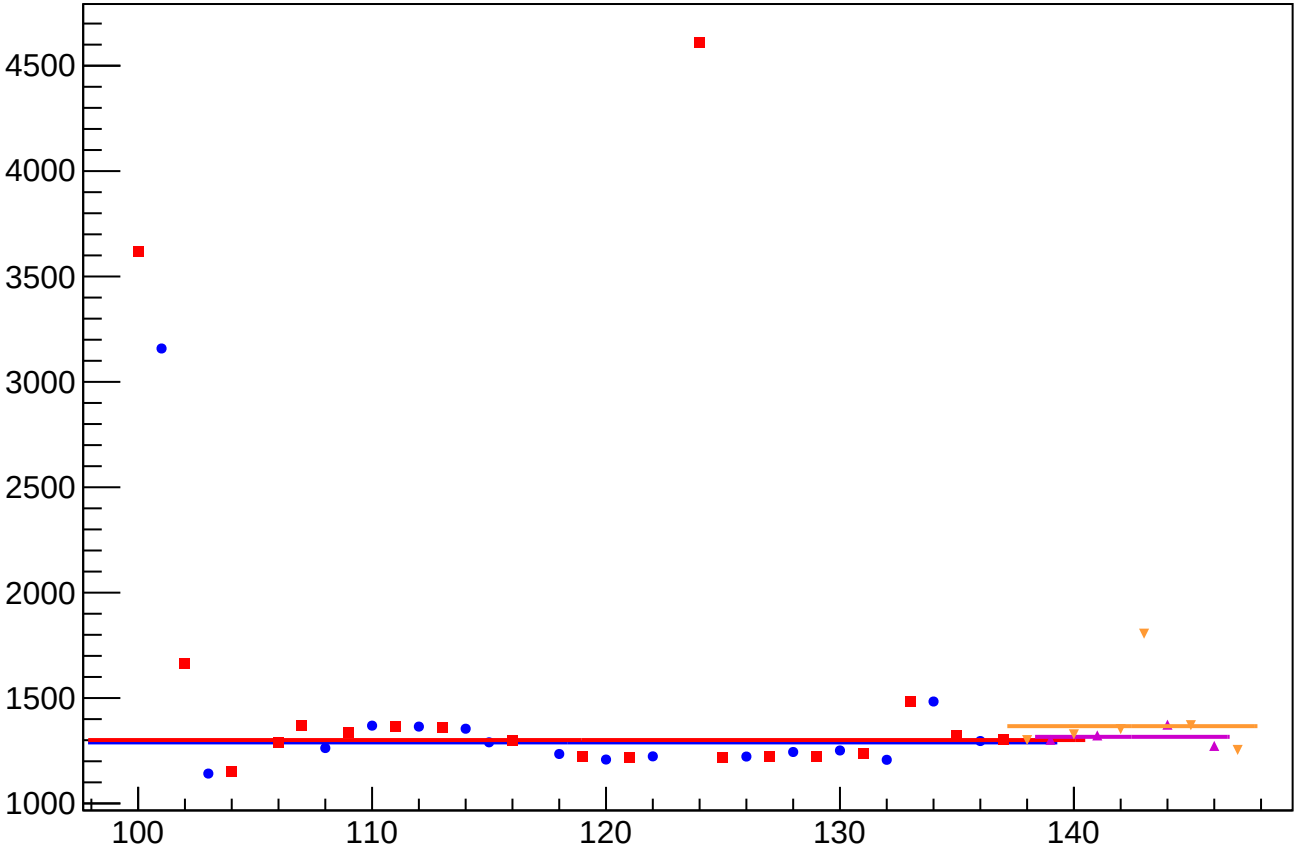
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

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: 1366.586+/-0.457 χ^2/NDF:115388.7/5

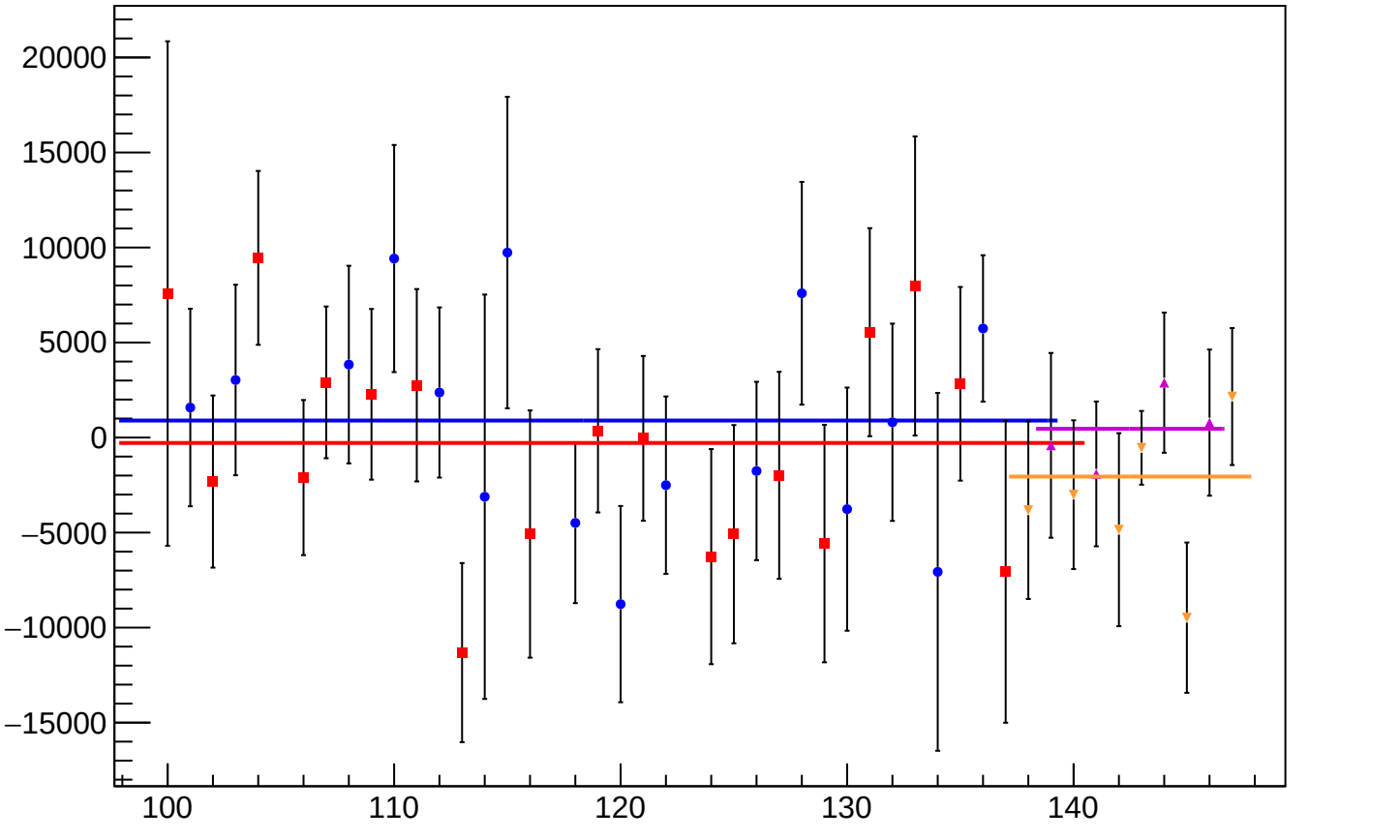
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

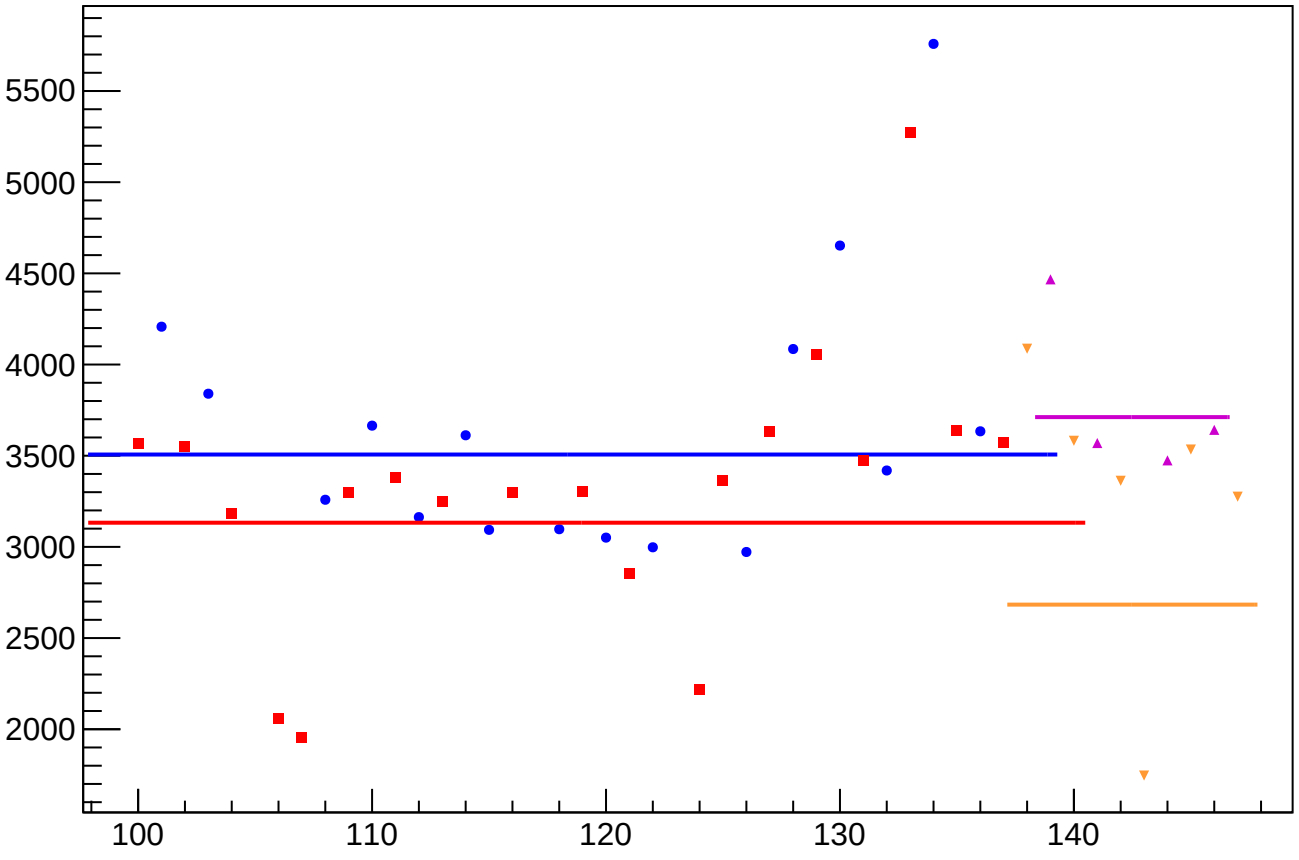
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

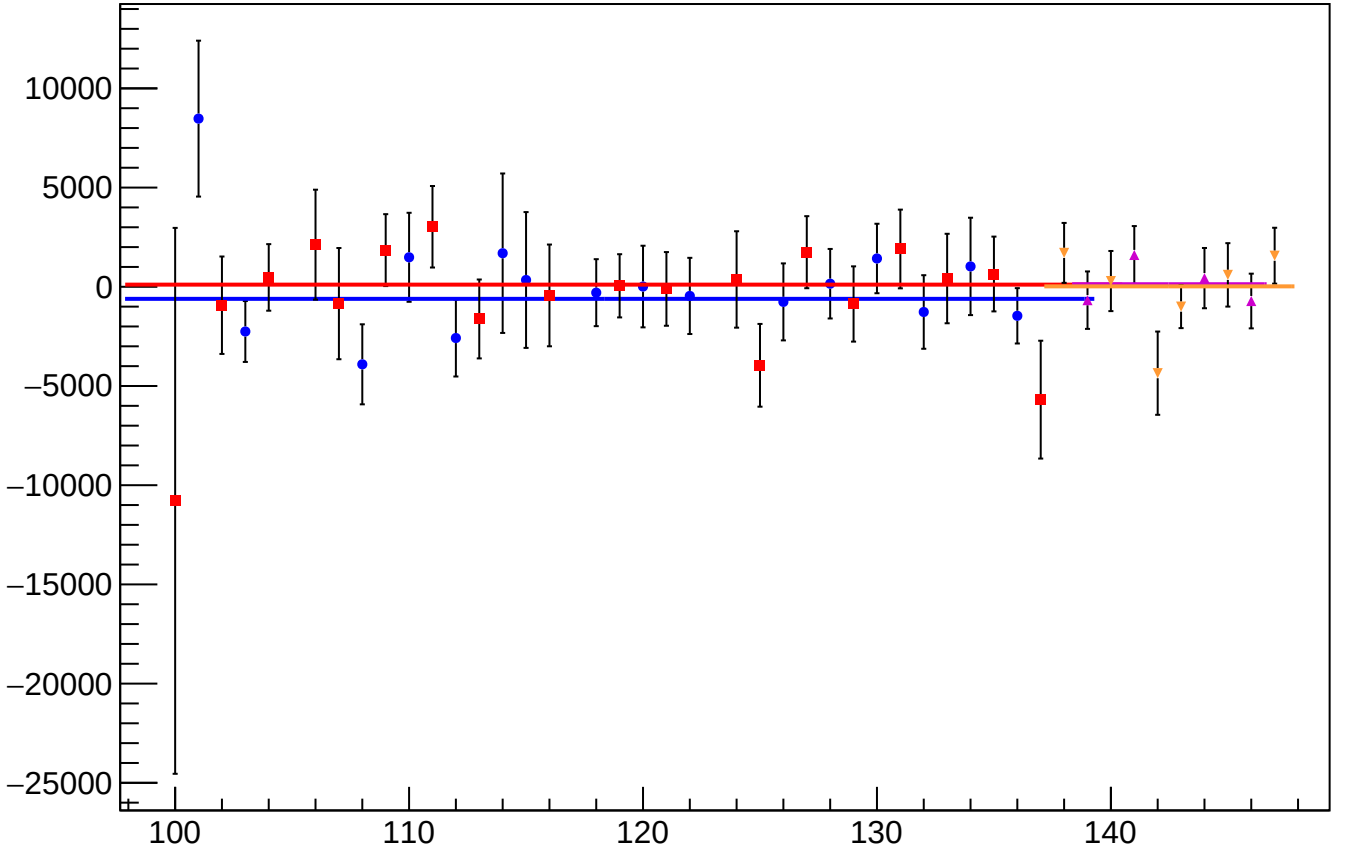
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

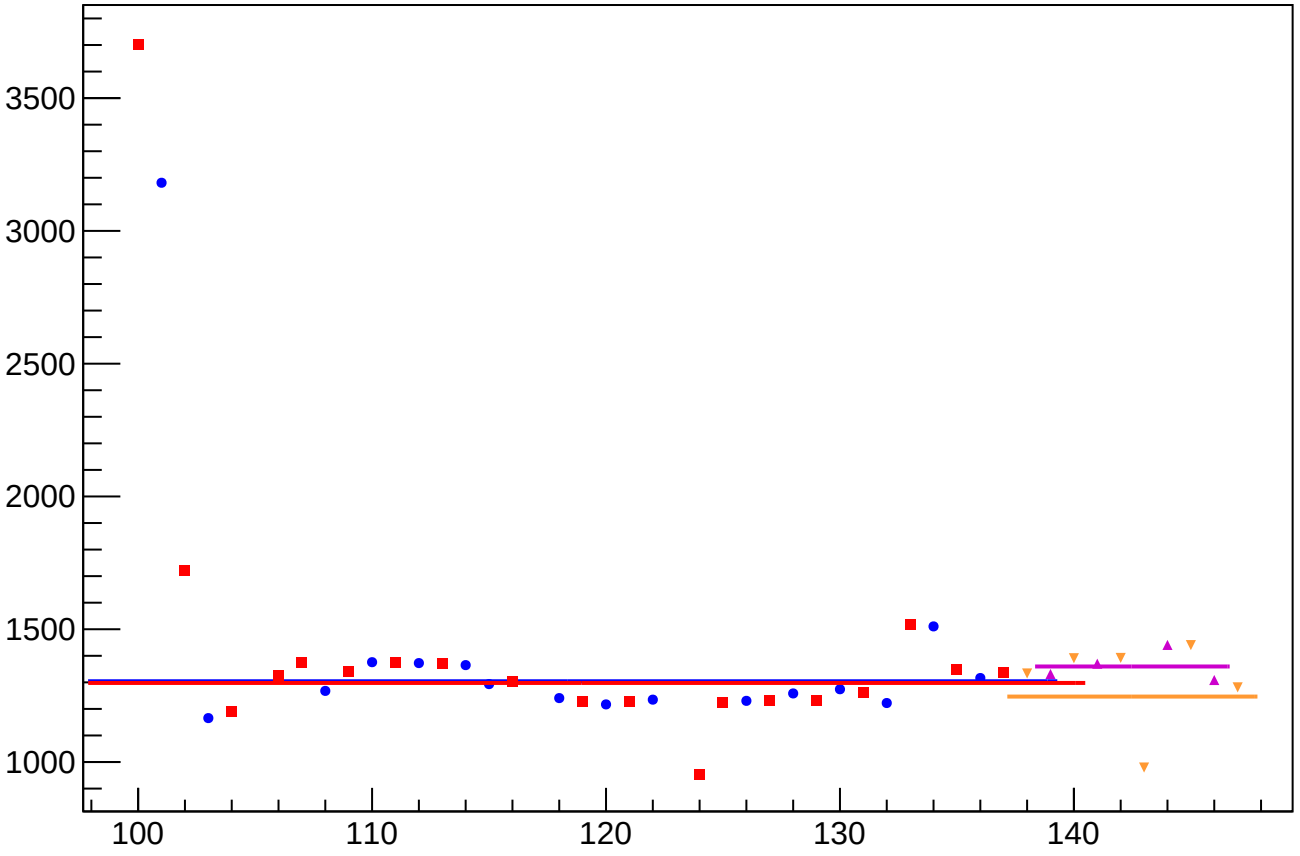
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

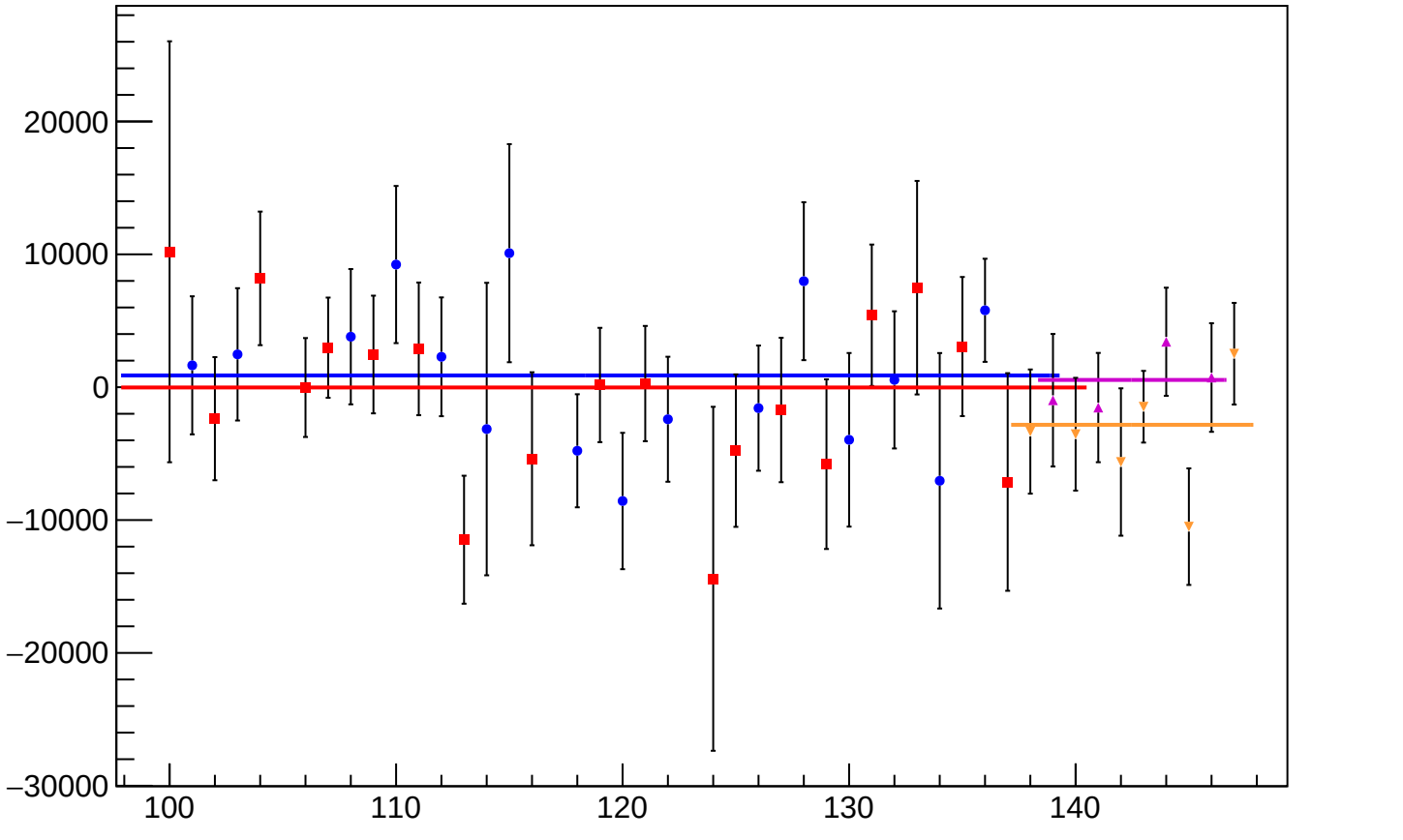
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

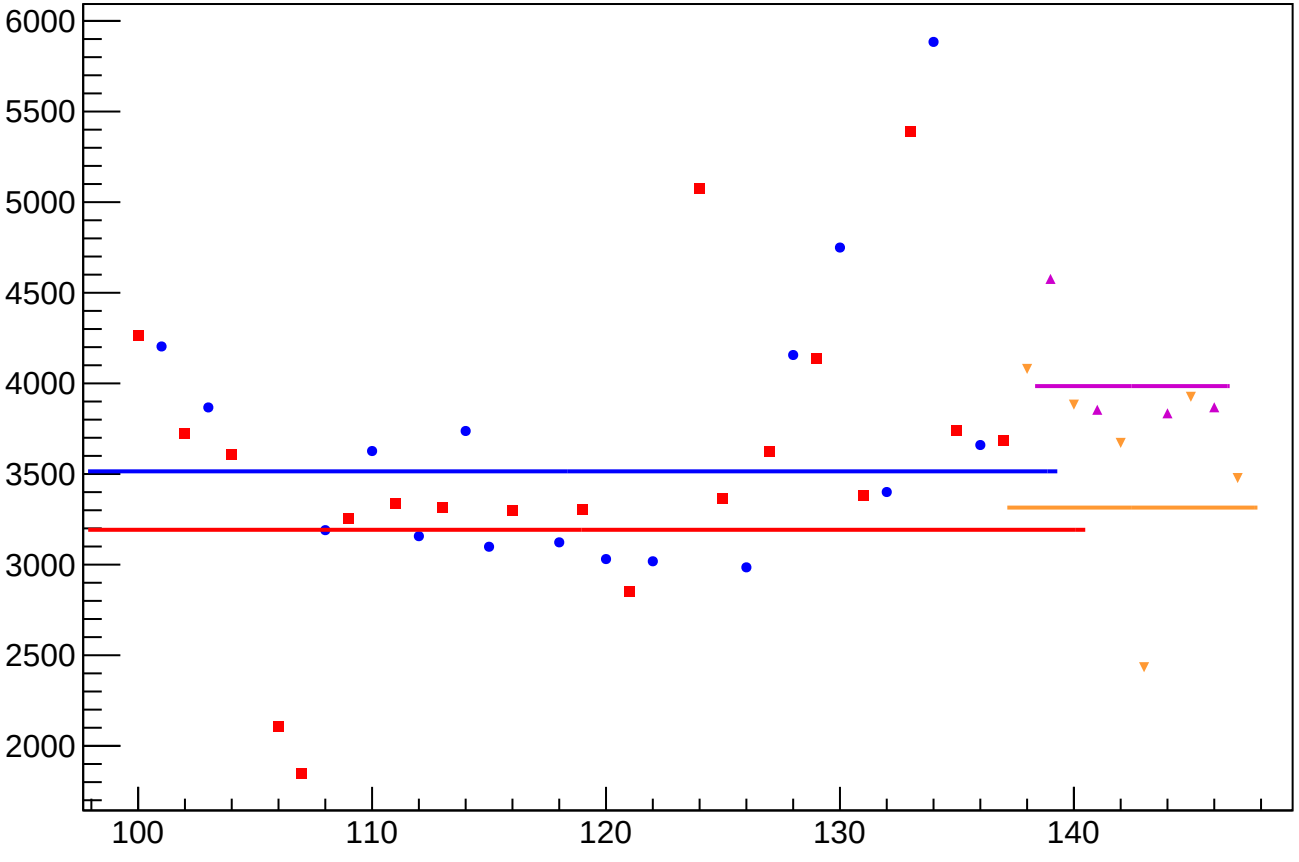
Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

\+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -267.083+/-730.675 χ^2/NDF: 40.9/44

\- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3314.764+/-1.130 χ^2/NDF:353402.5/5

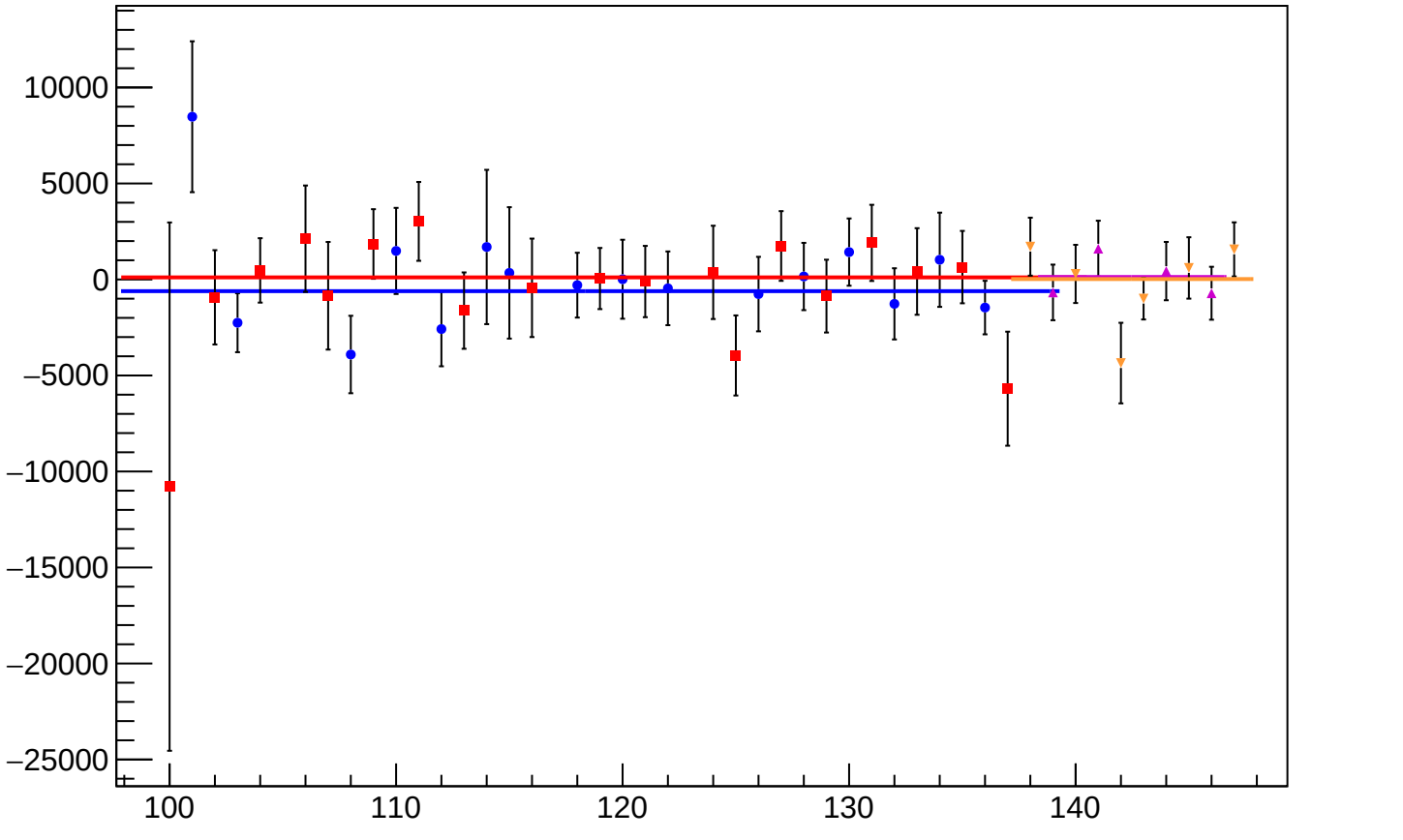
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

+ sign 3433.109+/-0.722 χ^2/NDF: 747012.4/21

All: 3408.505+/-0.517 χ^2/NDF: 1766139.1/44

- sign 3382.690+/-0.740 χ^2/NDF: 1016747.3/22



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

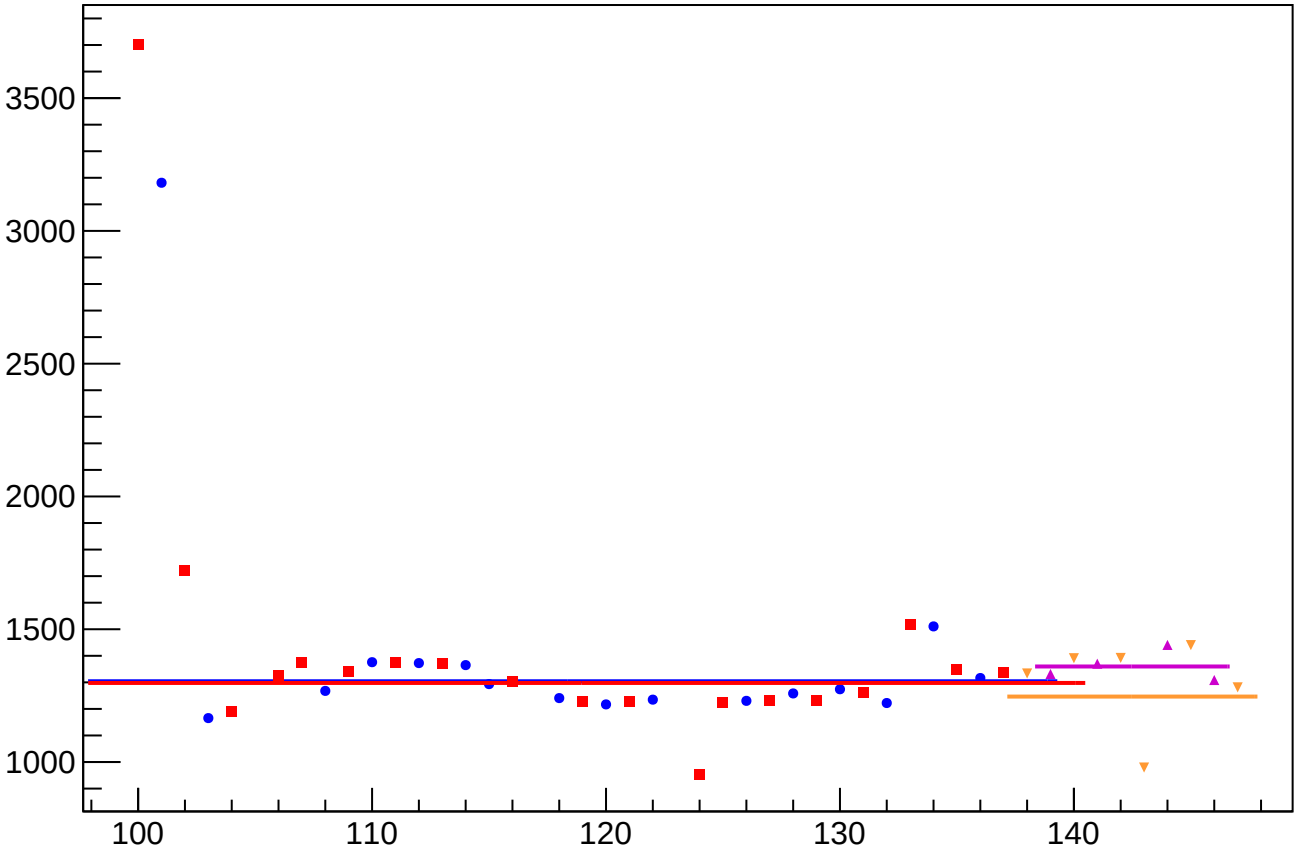
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

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: 1246.467+/-0.419 χ^2/NDF:186569.0/5

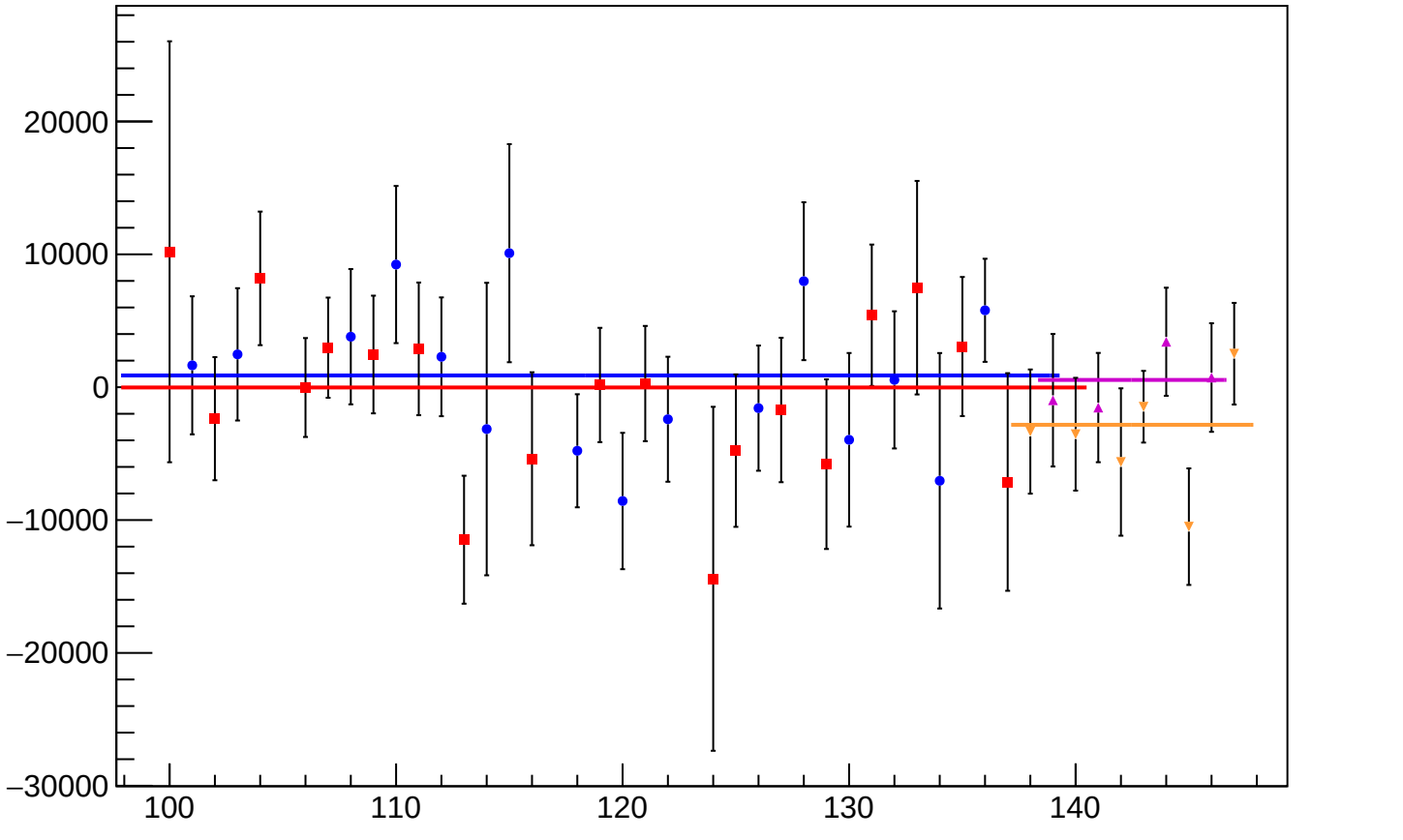
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

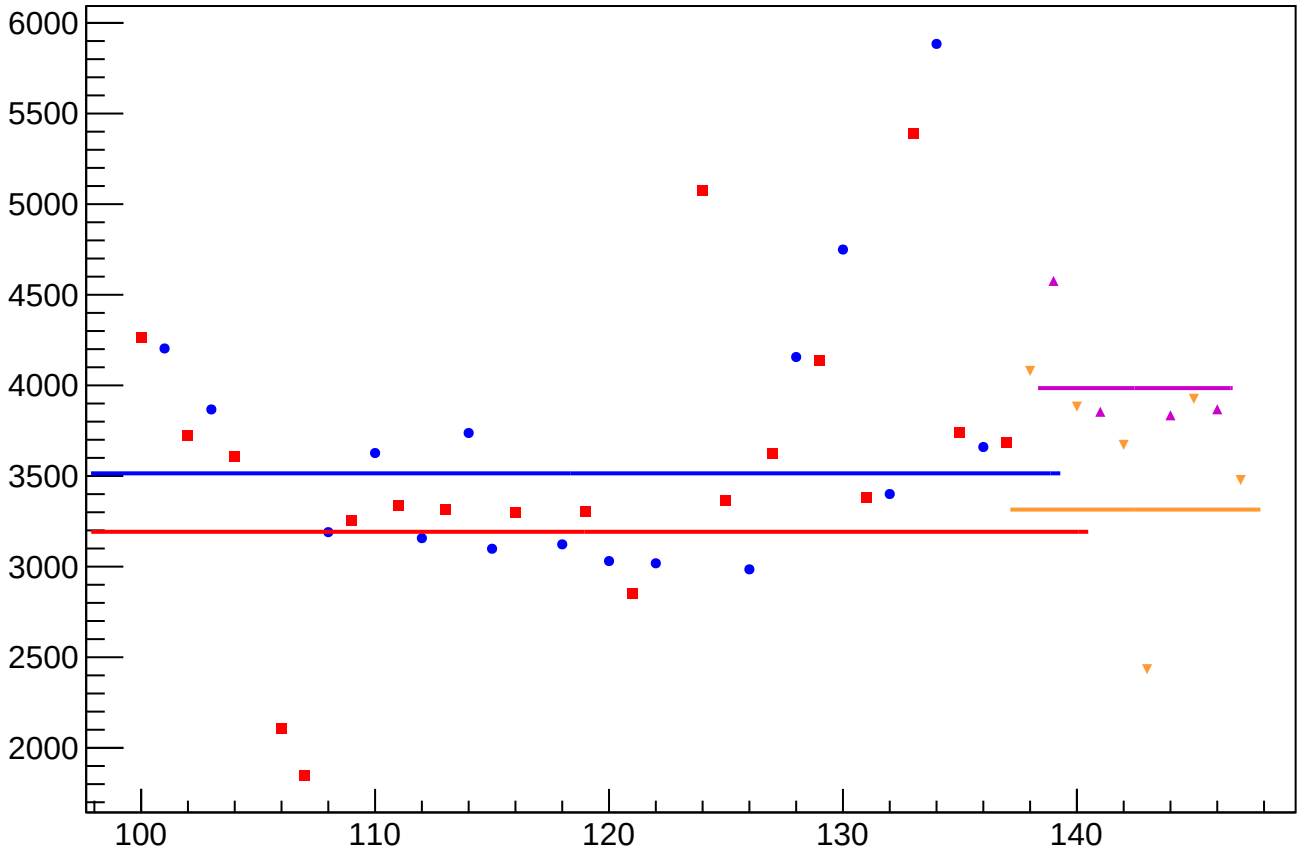
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -267.082+/-730.674 χ^2/NDF: 40.9/44

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

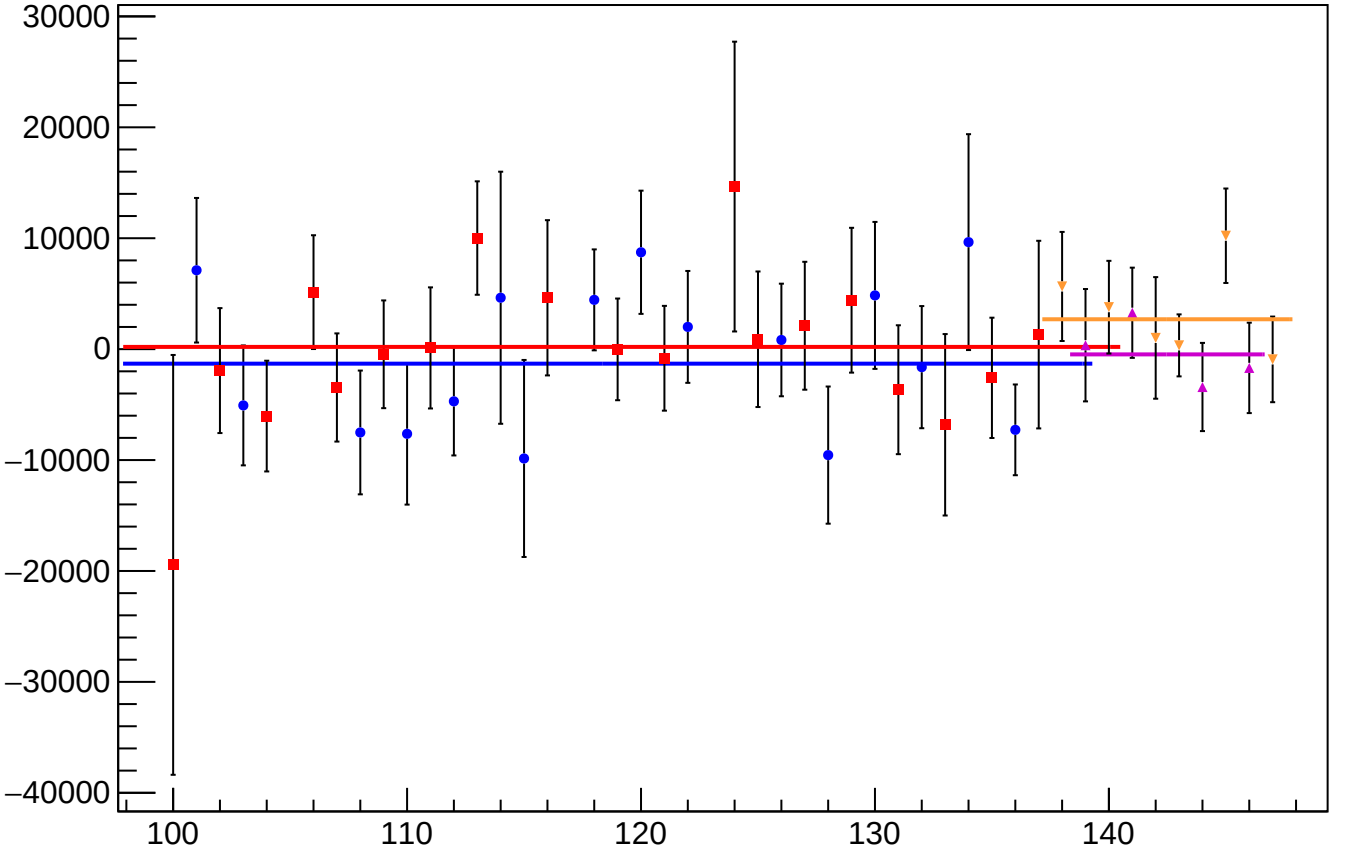
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3408.501+/-0.517 χ^2/NDF: 1766151.8/44

- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

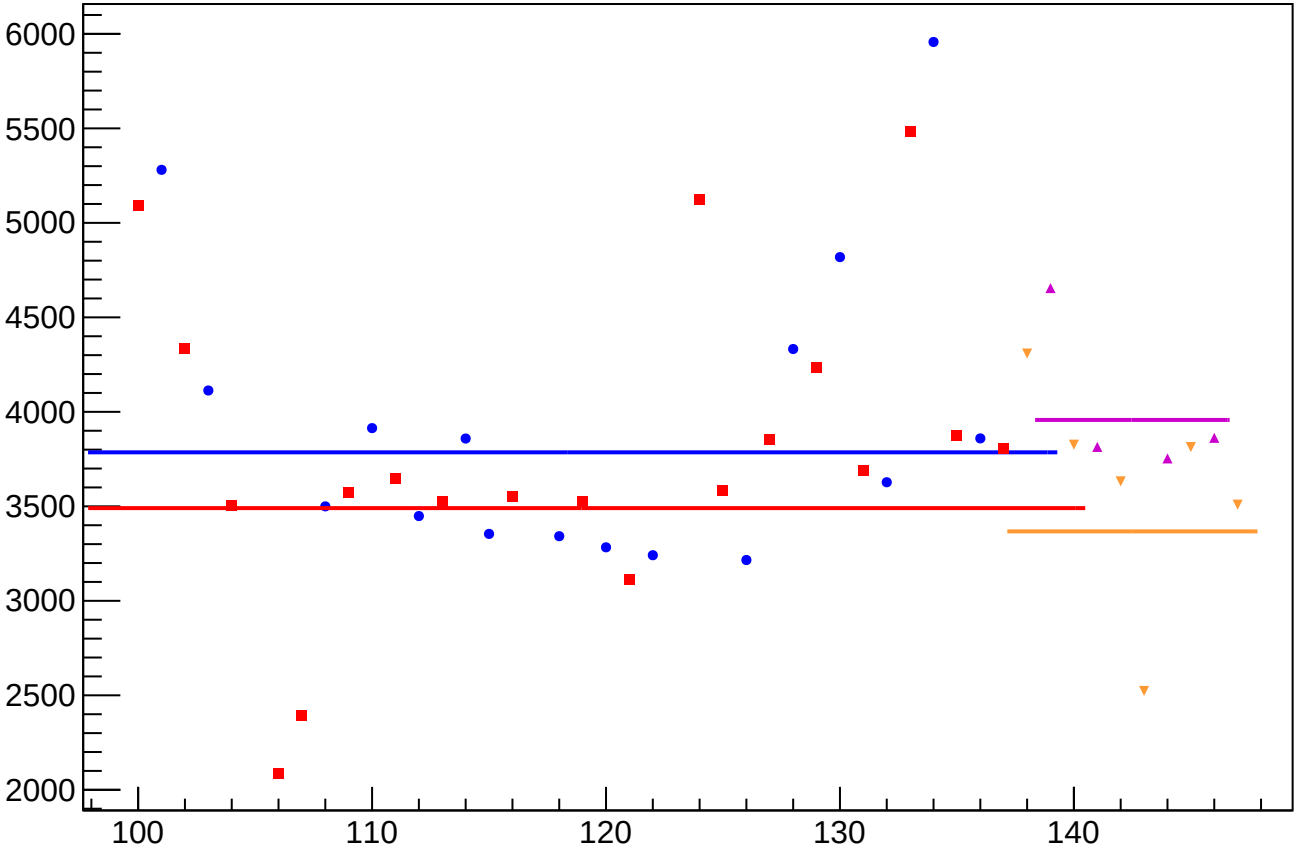
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 240.751+/-777.758 χ^2/NDF: 39.6/44

- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

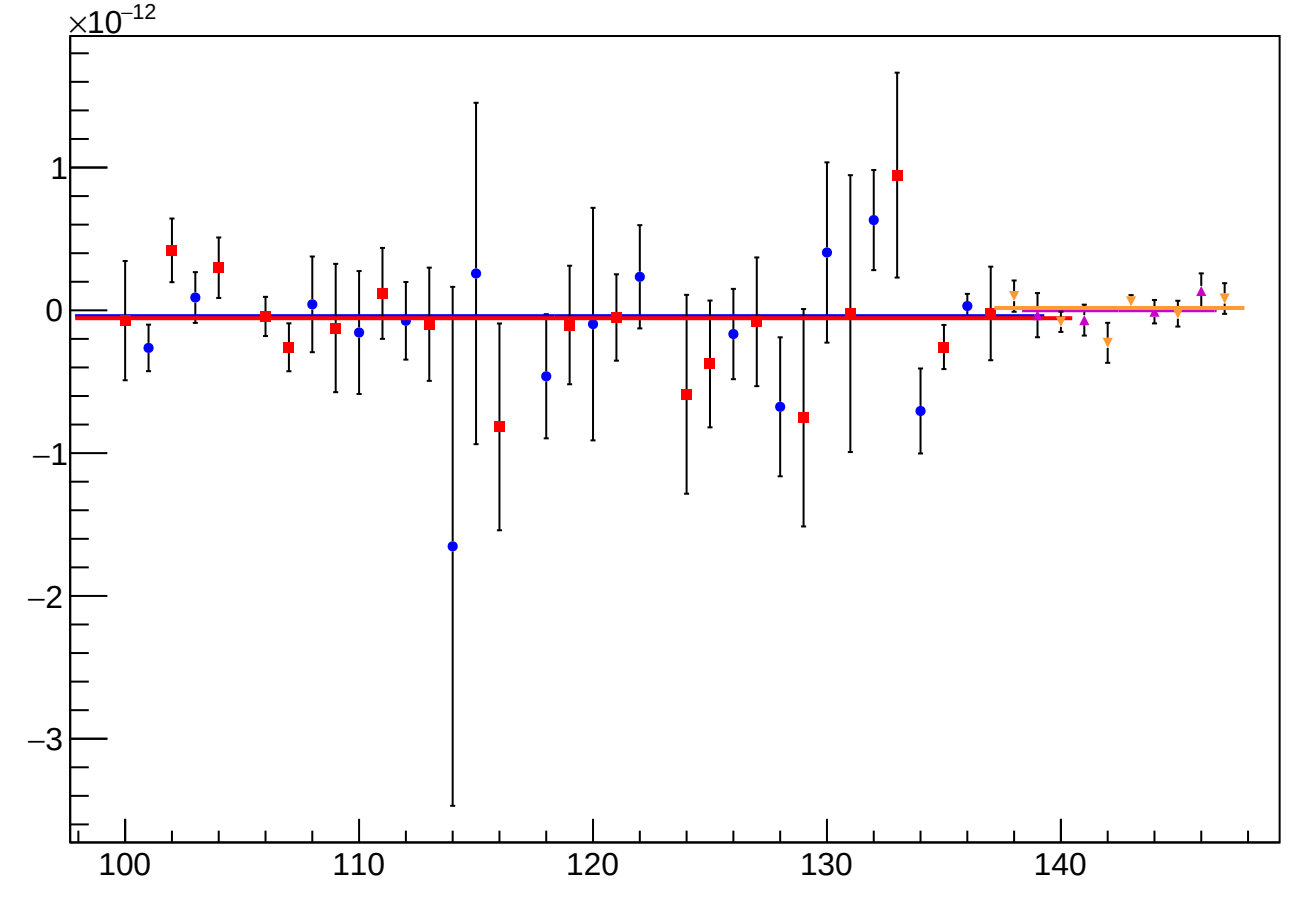
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44

- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

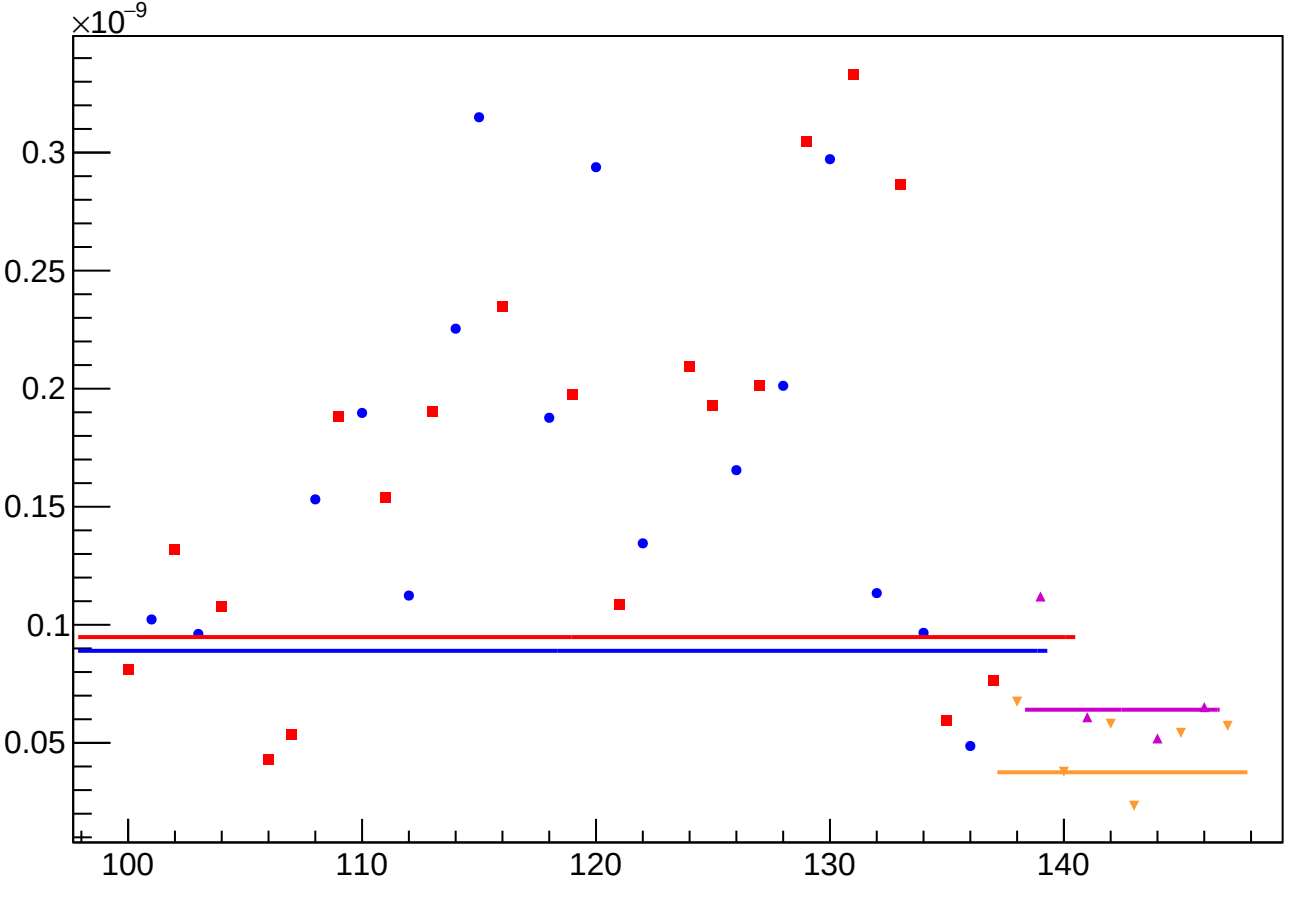
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.8/44

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

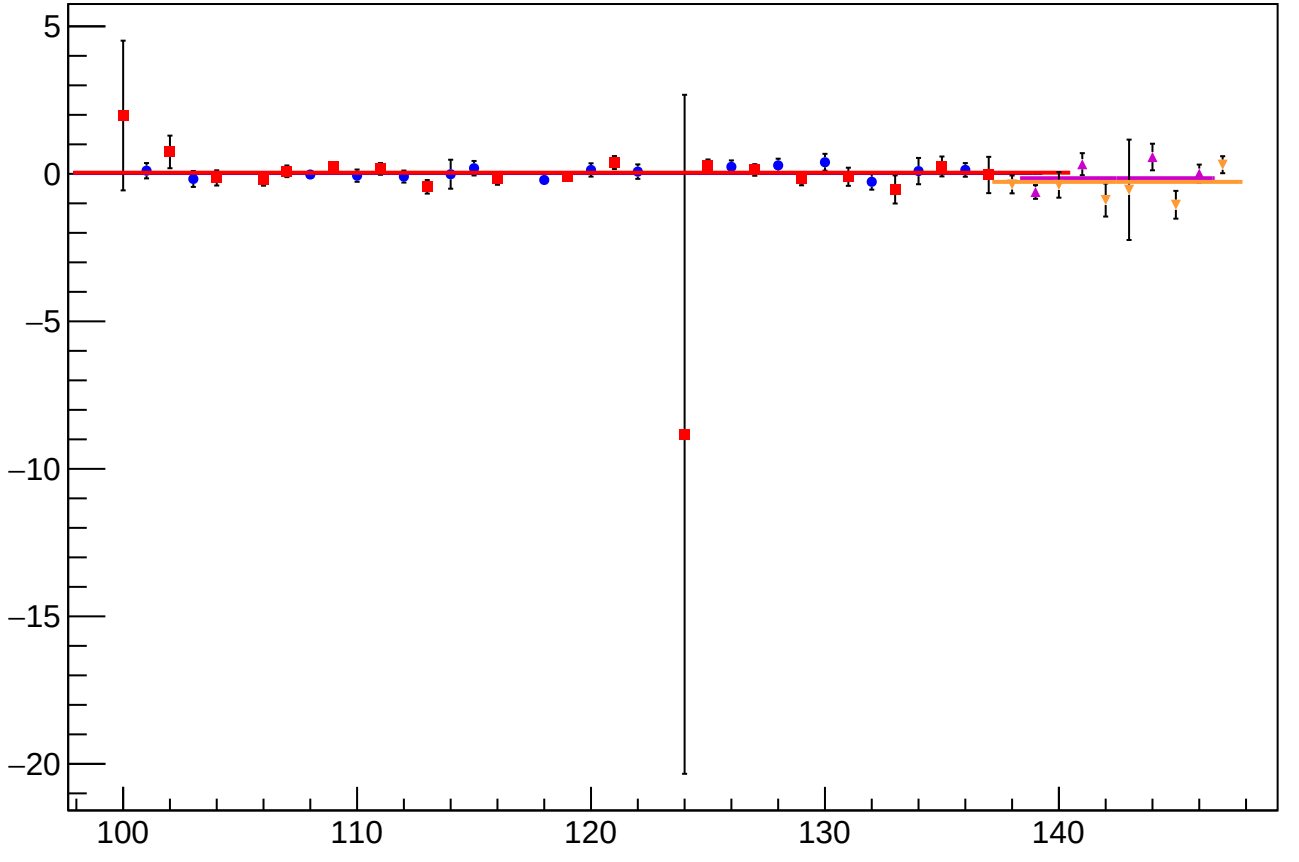
Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

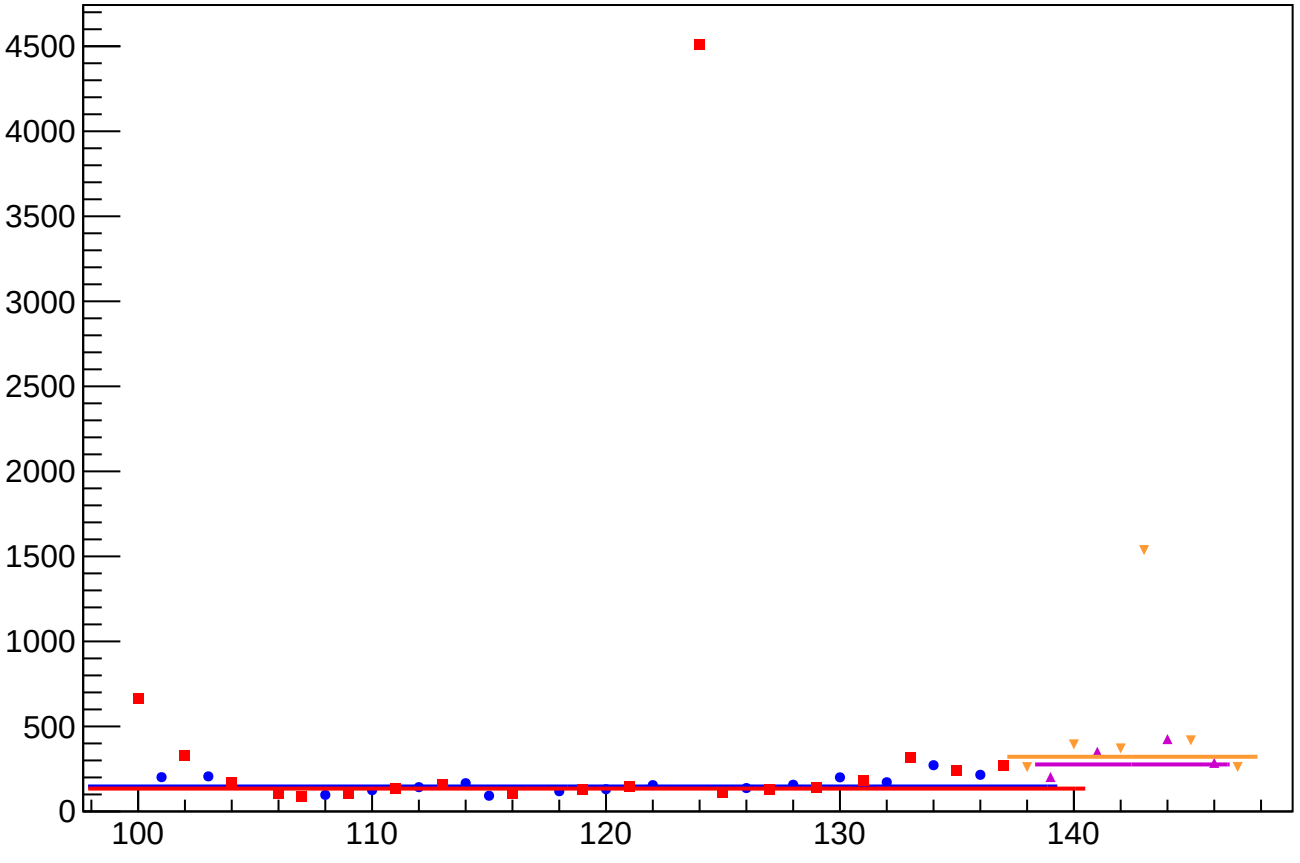
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

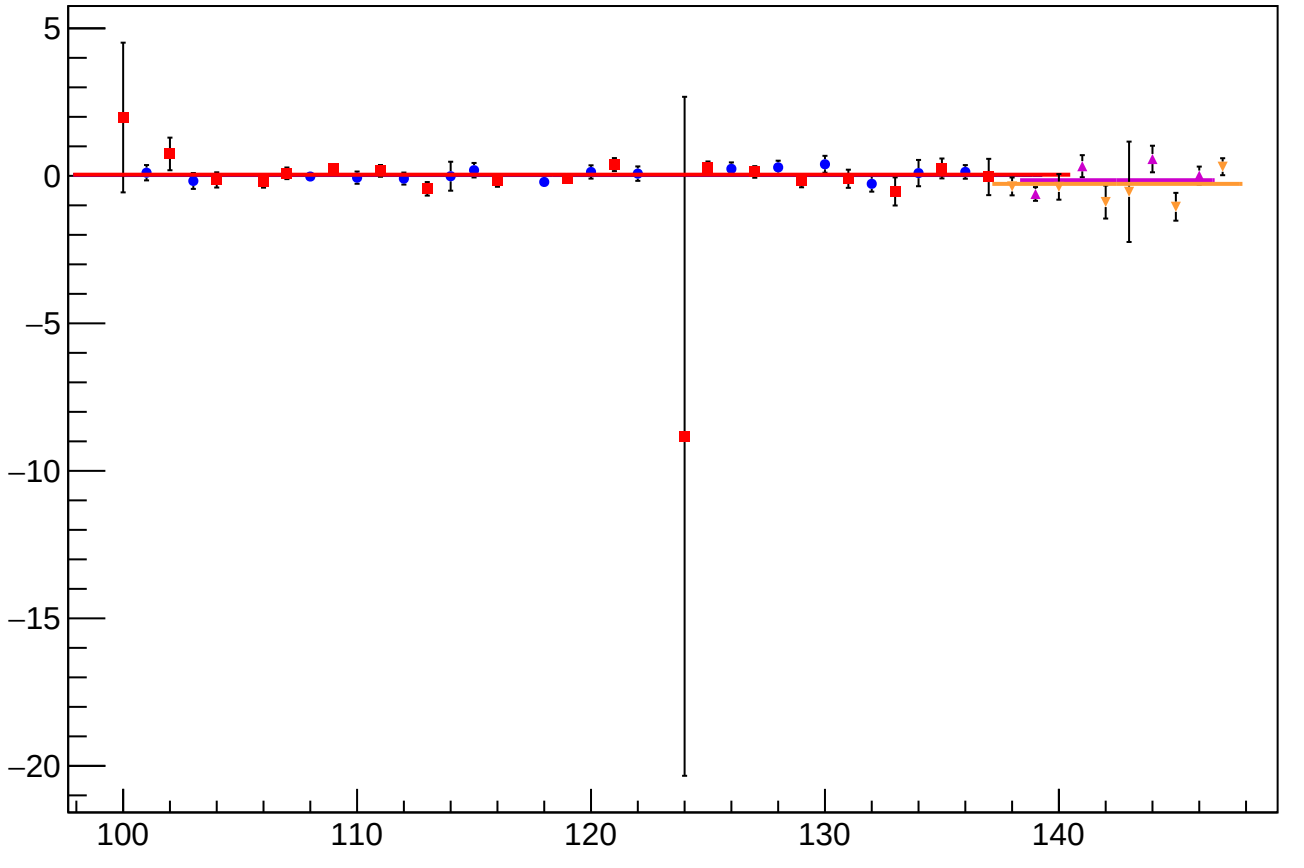
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

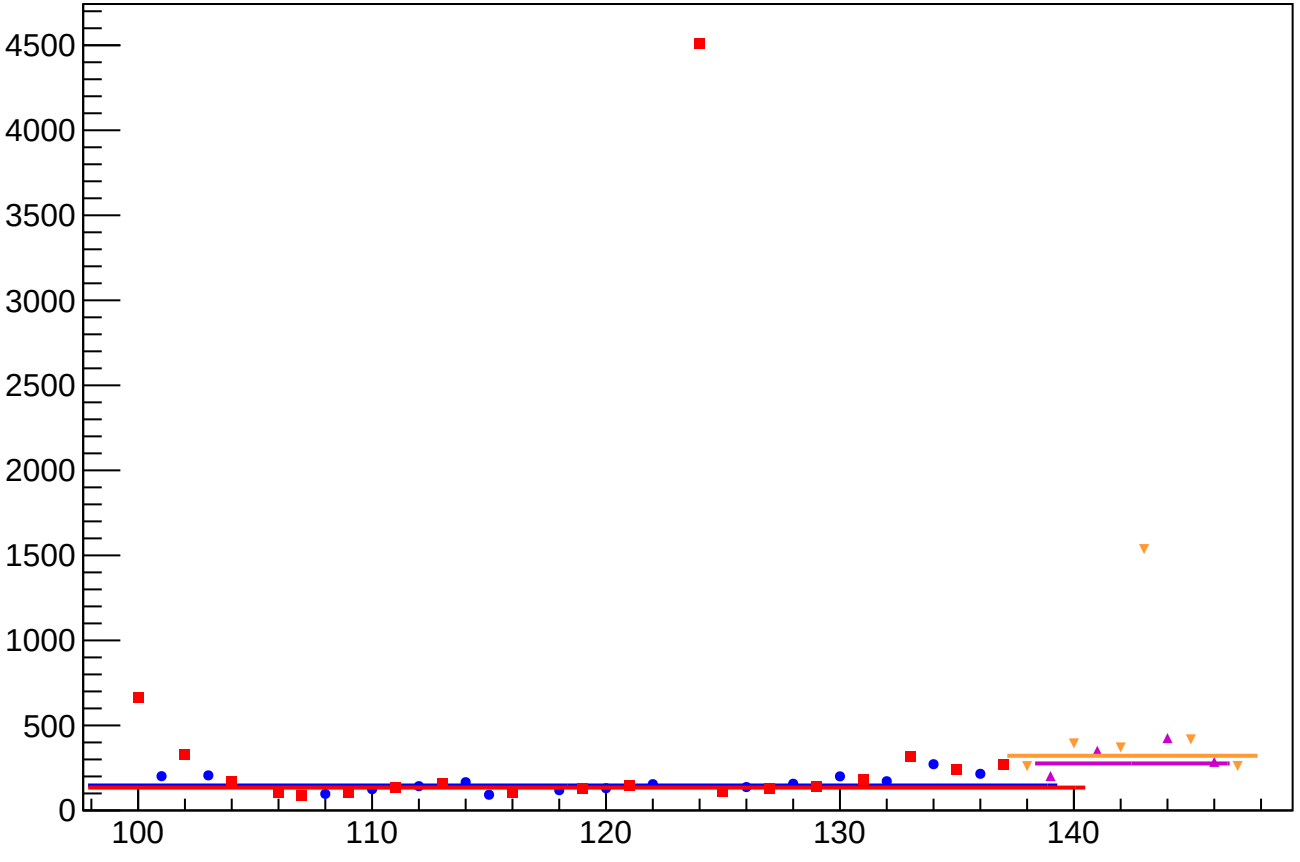
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

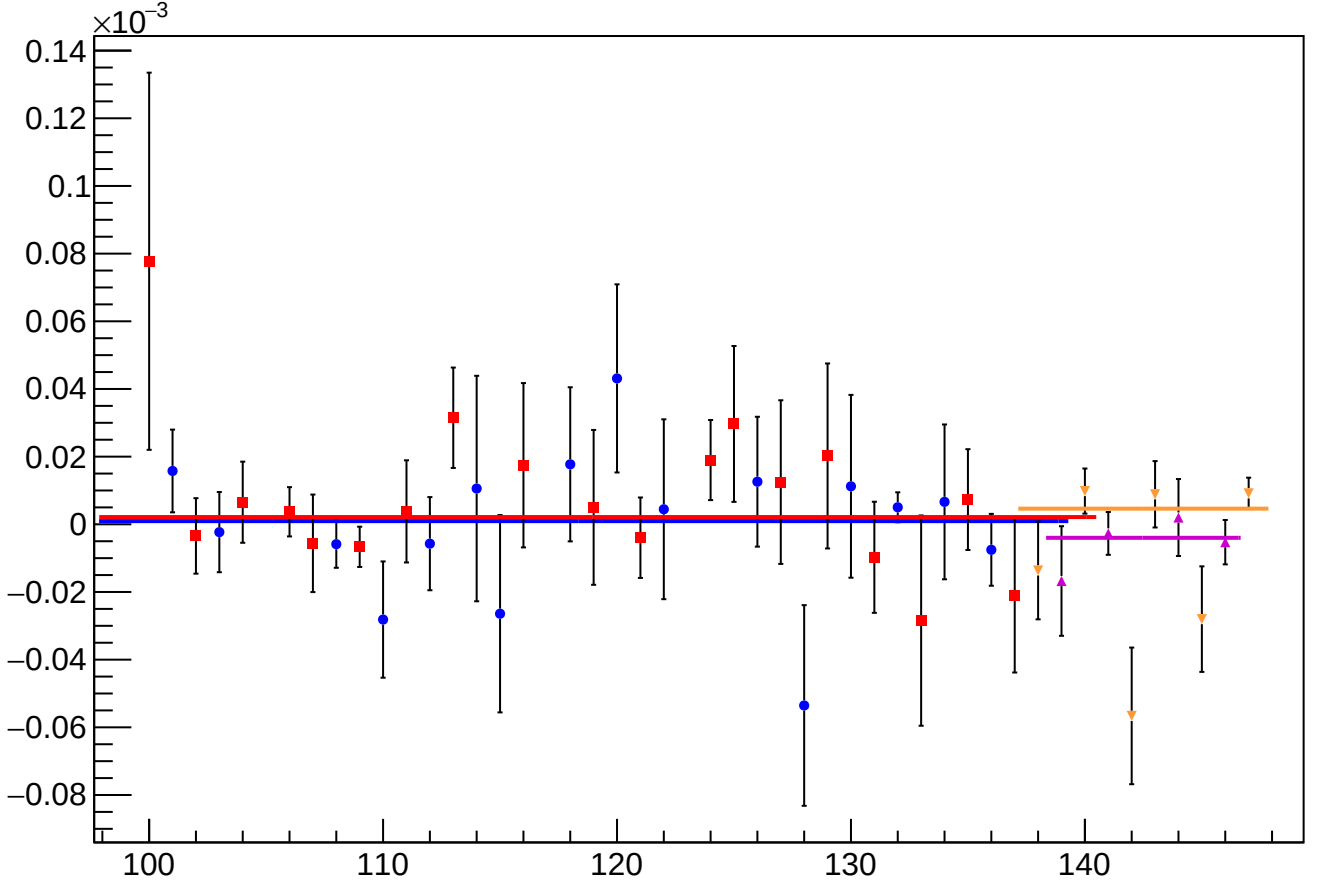
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

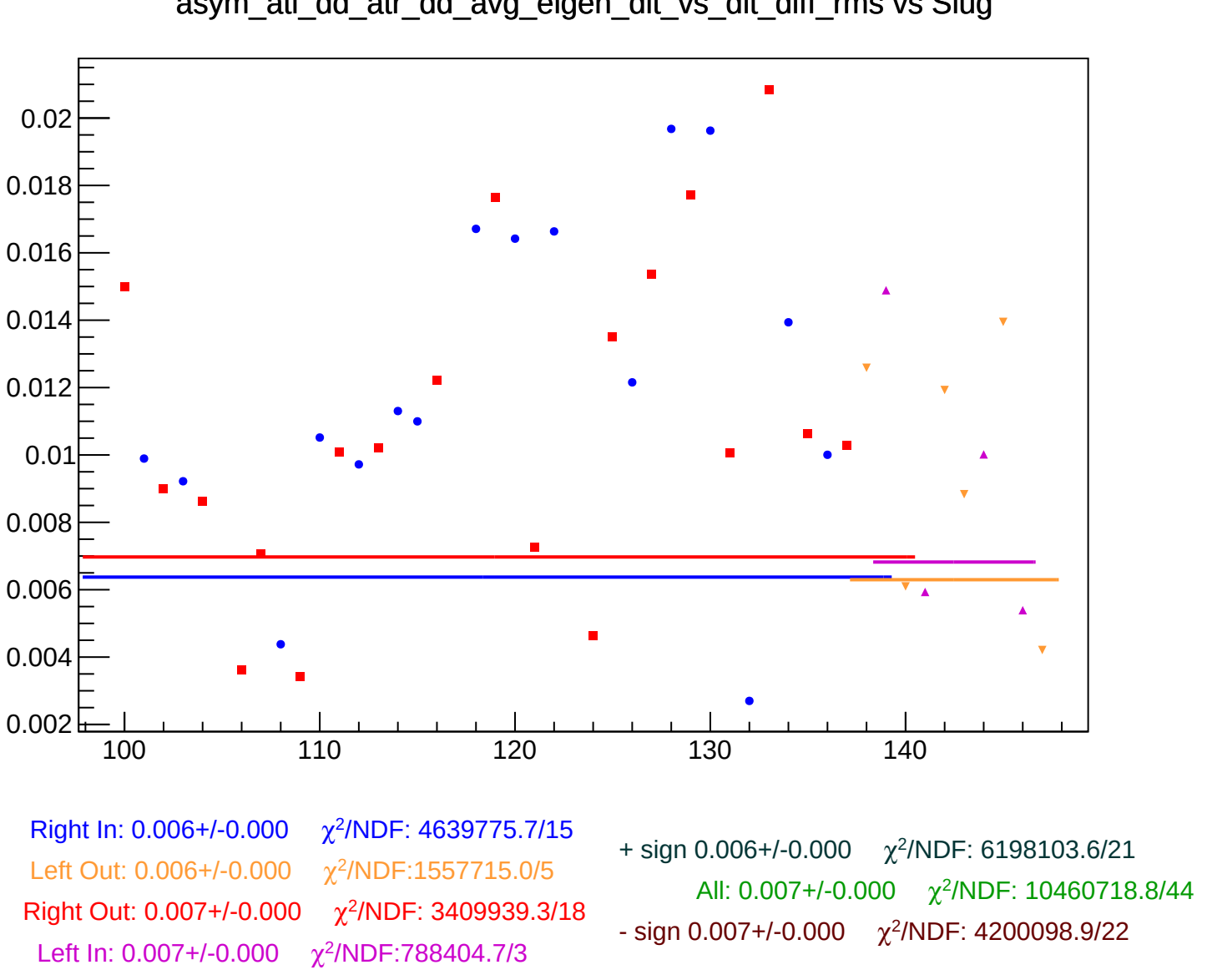
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

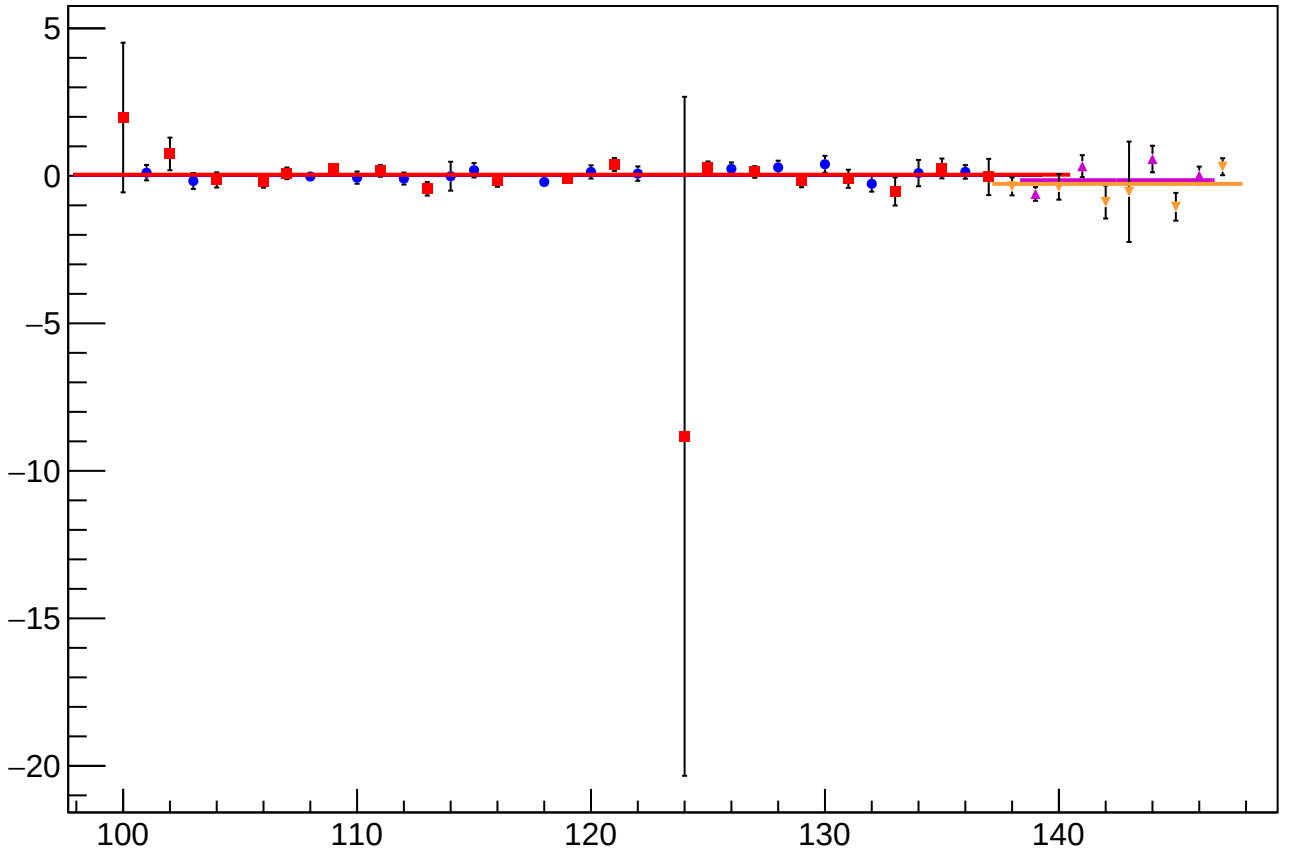
Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 51.6/44

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:1557715.0/5
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.007+/-0.000 χ²/NDF:788404.7/3
+ sign 0.006+/-0.000 χ²/NDF: 6198103.6/21
All: 0.007+/-0.000 χ²/NDF: 10460718.8/44
- sign 0.007+/-0.000 χ²/NDF: 4200098.9/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

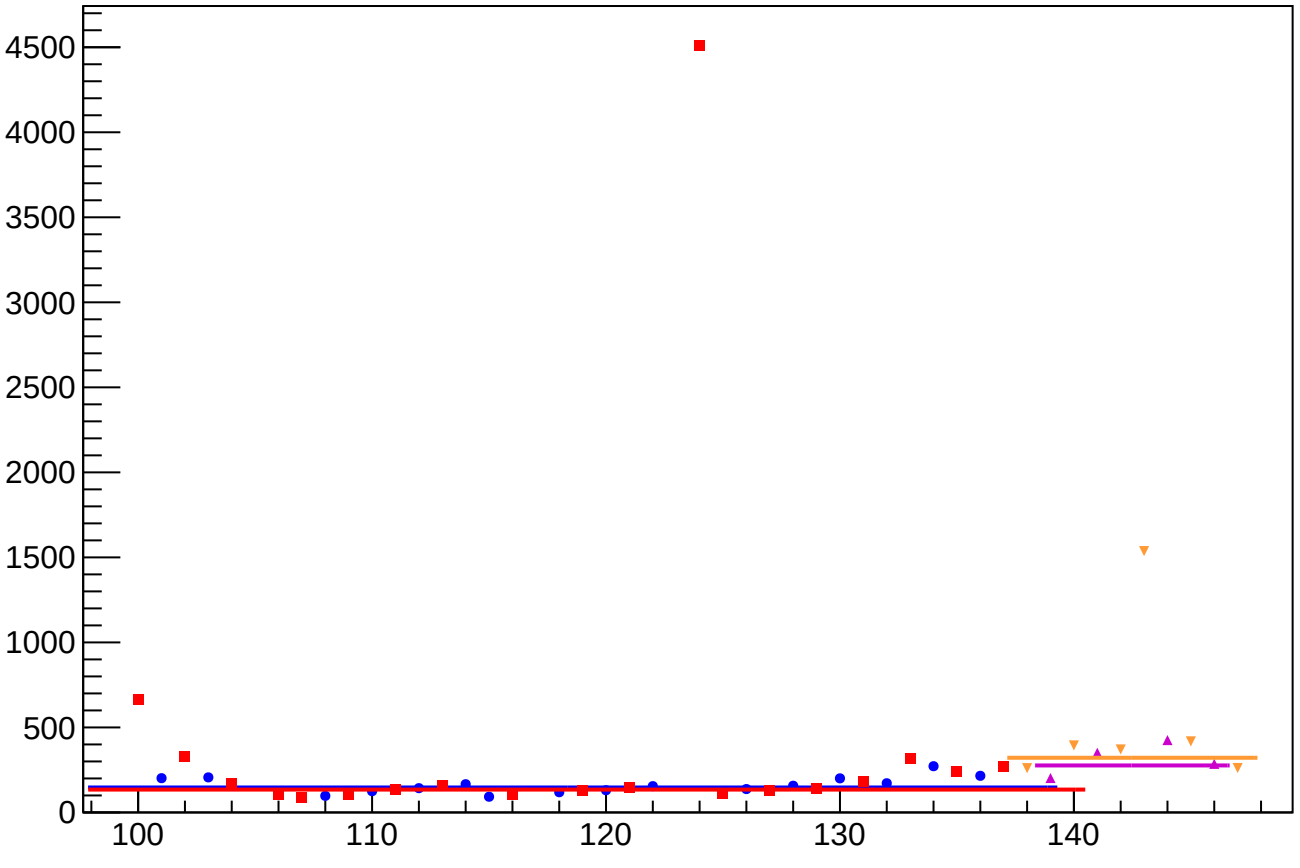
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

\+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

\- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

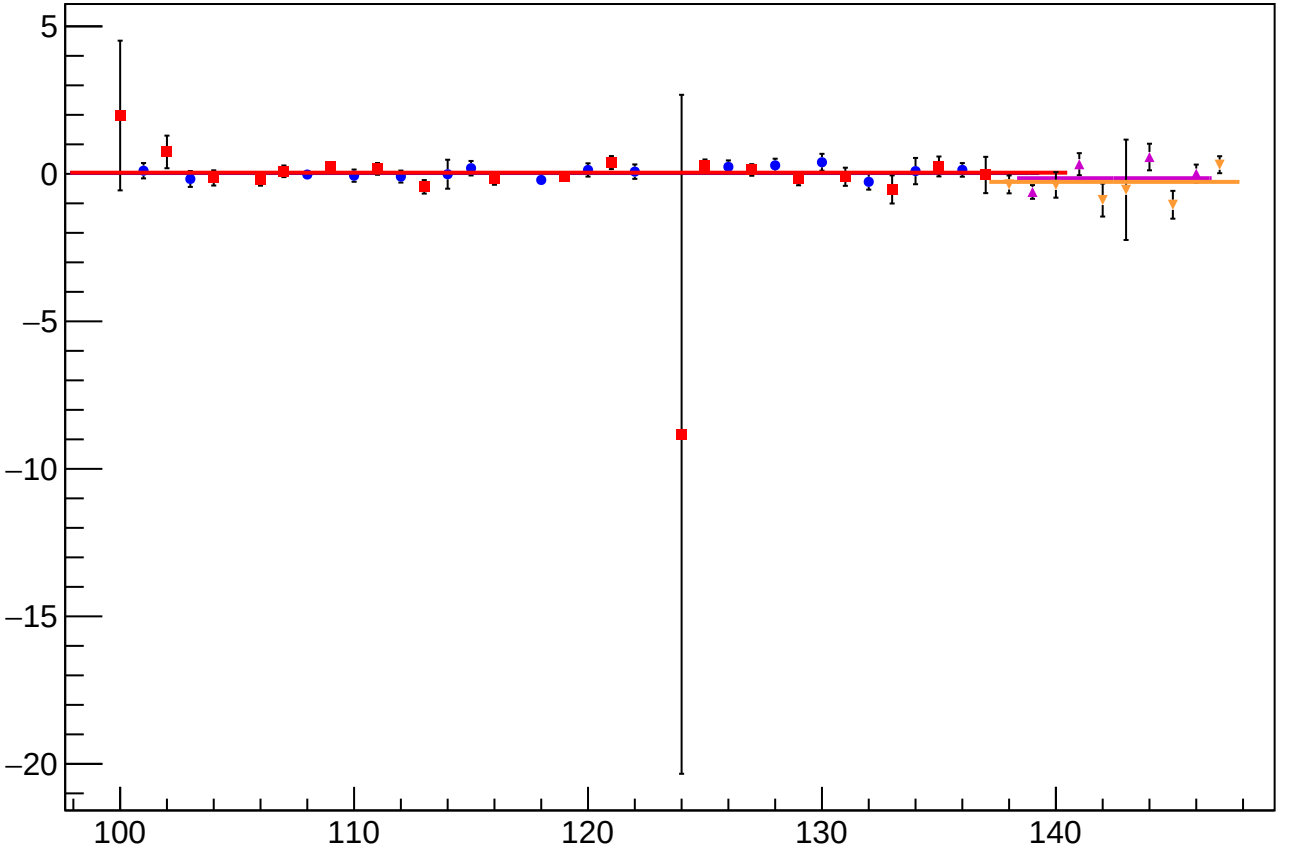
Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22

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: -0.272+/-0.166 χ^2/NDF:8.2/5

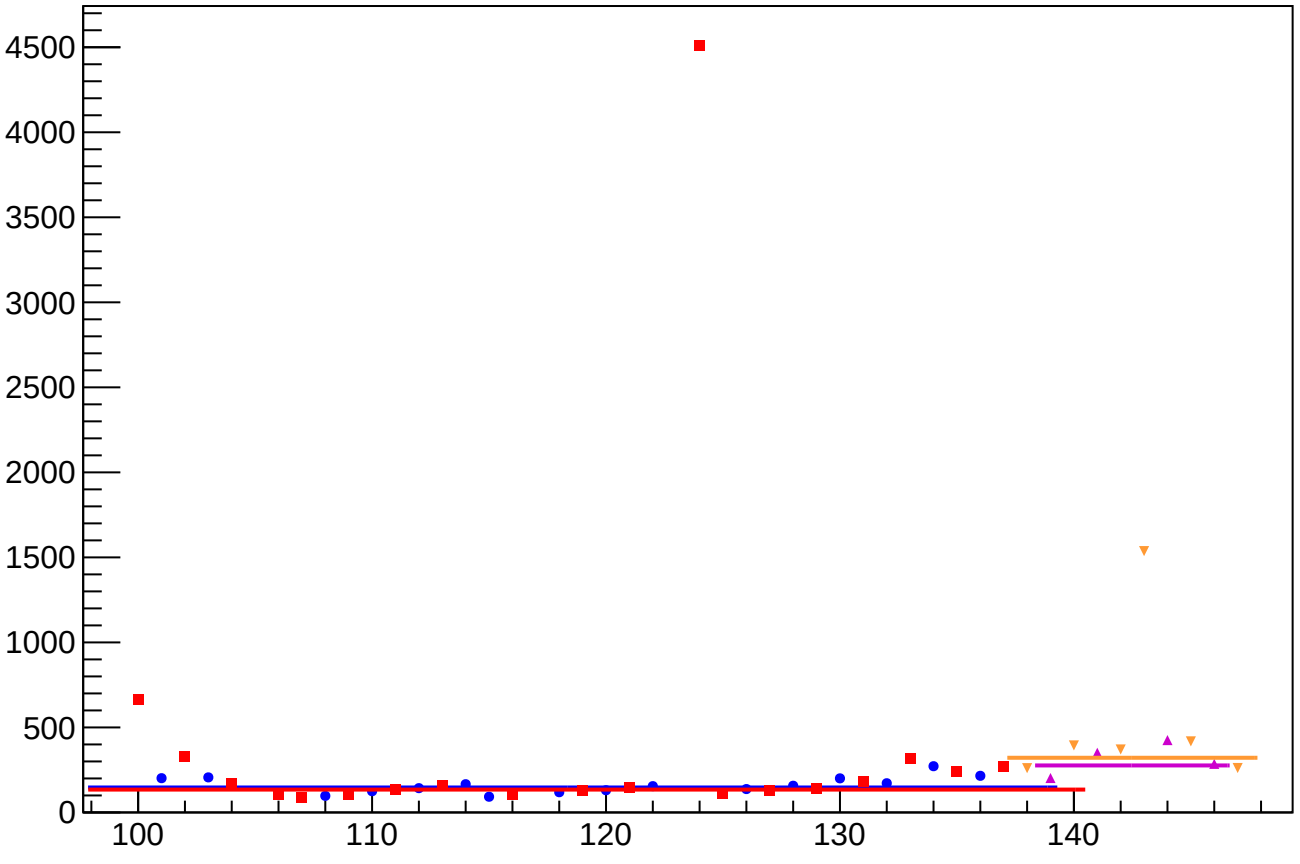
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

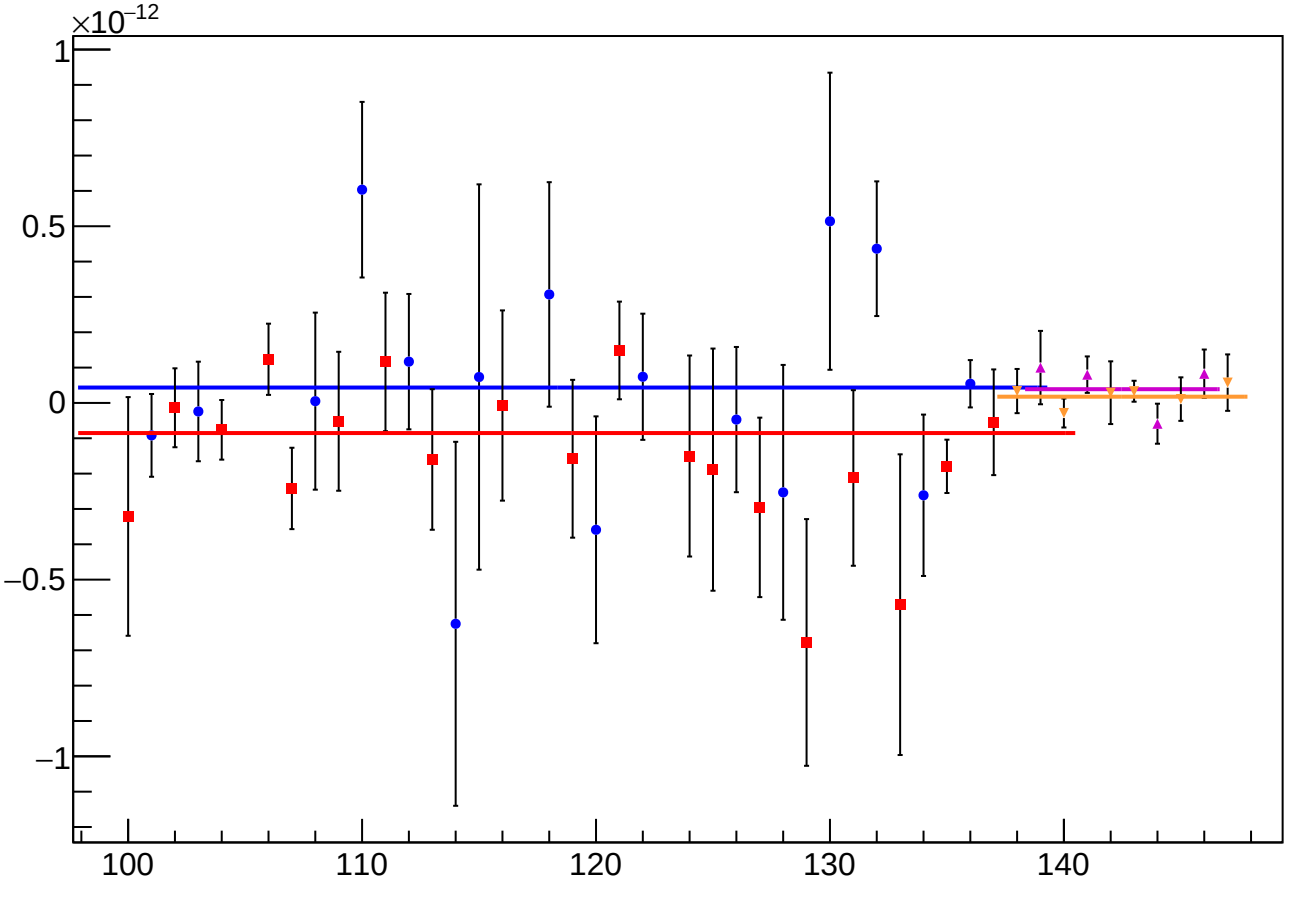
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

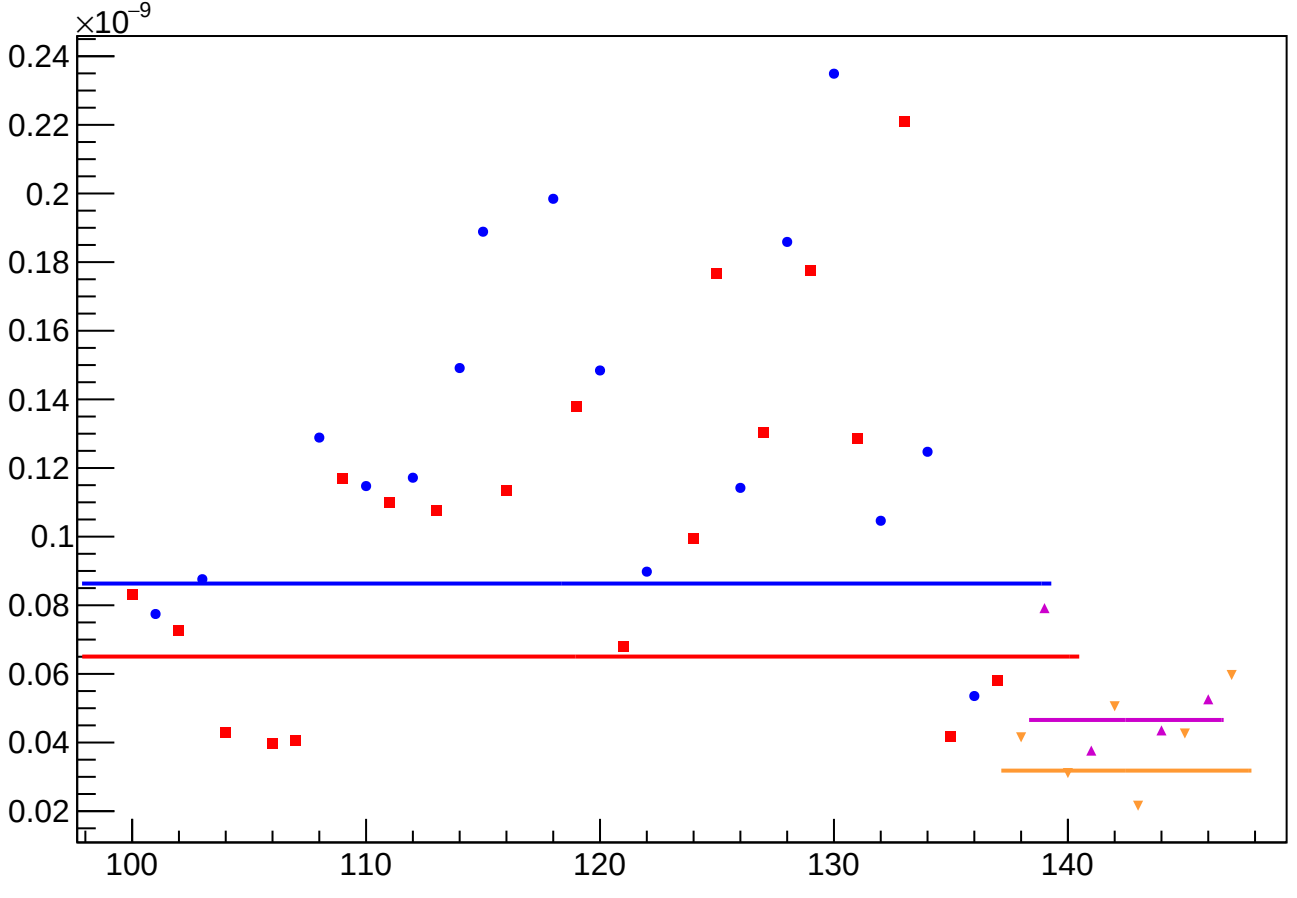
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/44

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

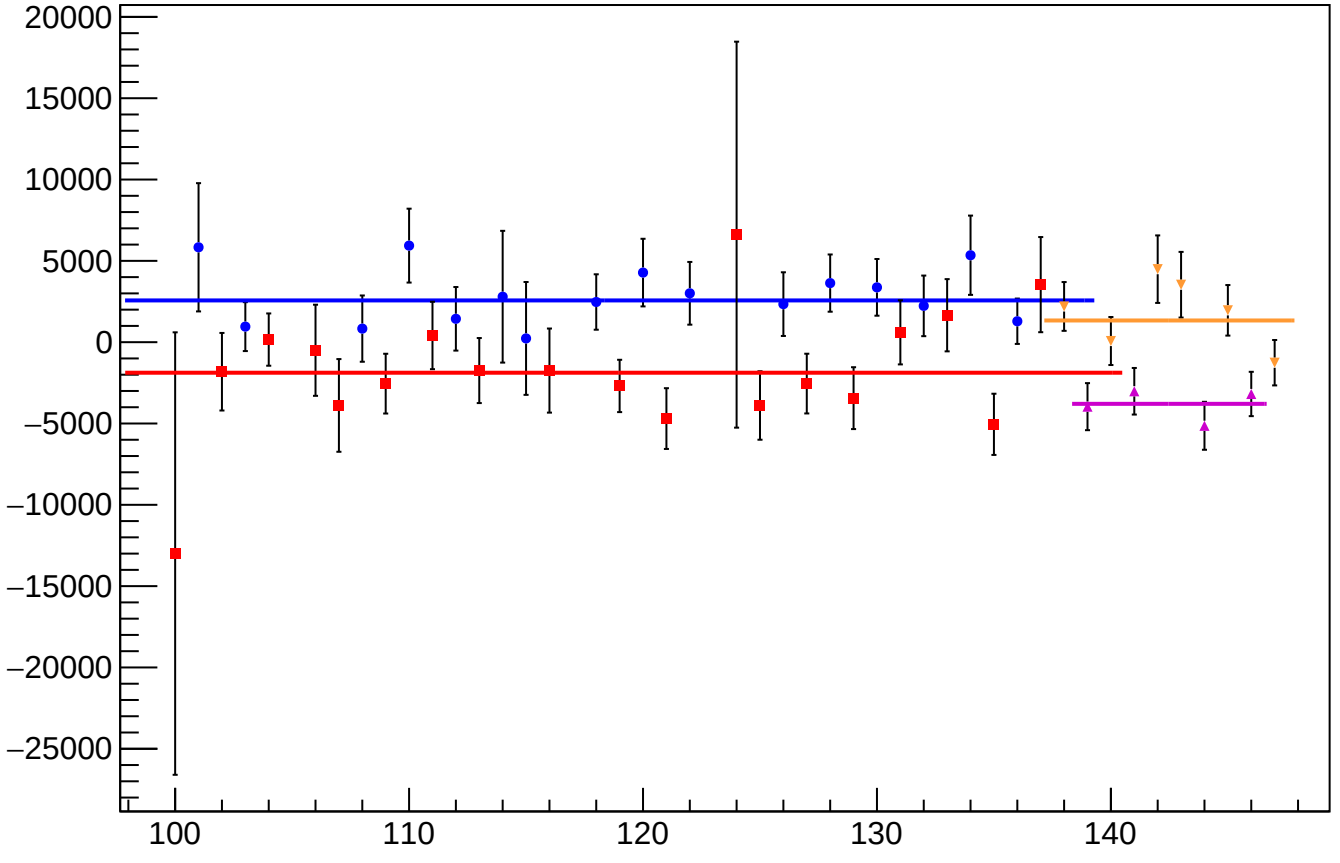
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4923748.1/21

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44

- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.692+/-658.176 χ^2/NDF:8.2/5

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

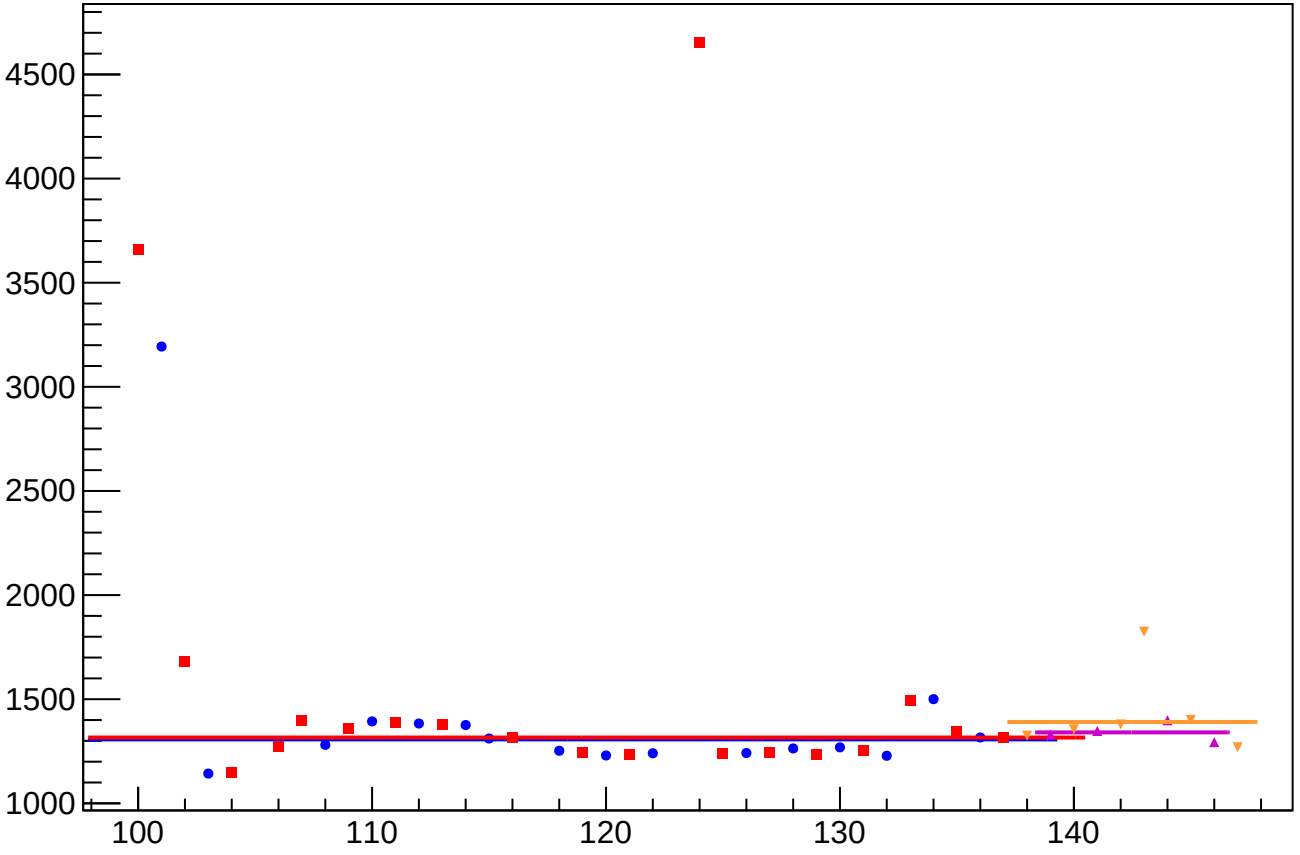
Left In: -3791.341+/-713.605 χ^2/NDF:1.3/3

+ sign 2121.672+/-395.791 χ^2/NDF: 19.5/21

All: -126.642+/-283.601 χ^2/NDF: 111.5/44

- sign -2499.105+/-406.571 χ^2/NDF: 25.7/22

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

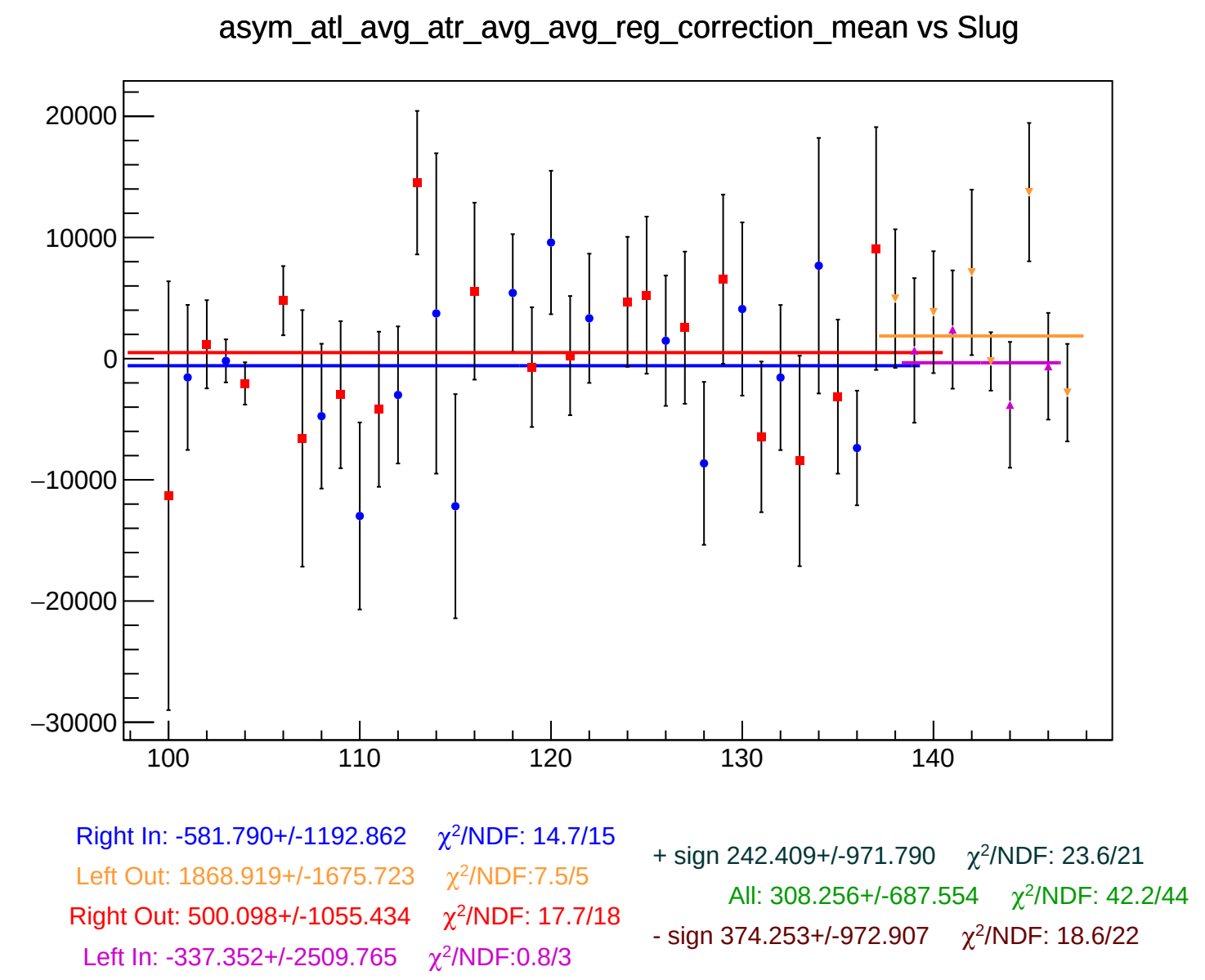
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1337.289+/-0.280 χ^2/NDF: 649219.2/21

All: 1330.803+/-0.200 χ^2/NDF: 983987.3/44

- sign 1323.984+/-0.287 χ^2/NDF: 333666.3/22



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1868.919+/-1675.723 χ^2/NDF:7.5/5

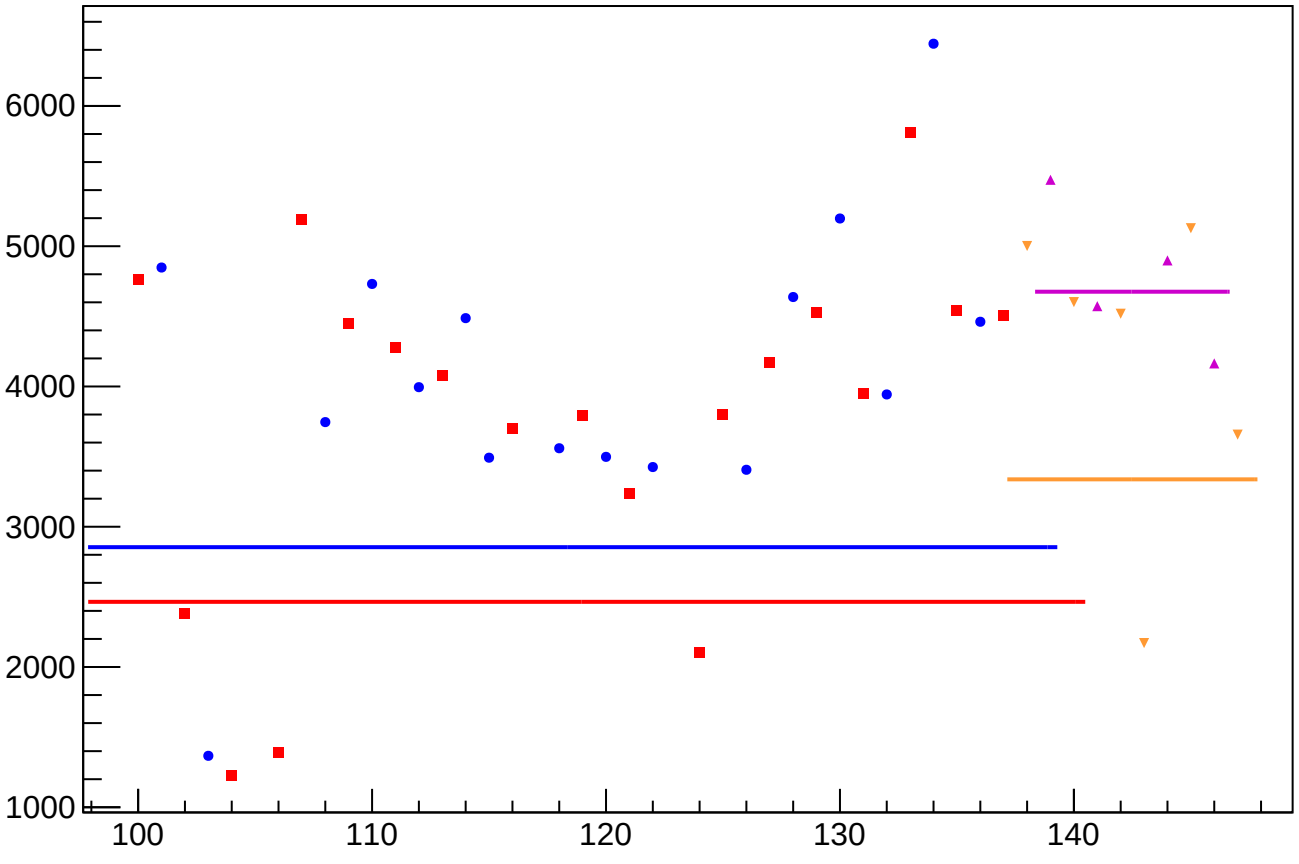
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -337.352+/-2509.765 χ^2/NDF:0.8/3

+ sign 242.409+/-971.790 χ^2/NDF: 23.6/21

All: 308.256+/-687.554 χ^2/NDF: 42.2/44

- sign 374.253+/-972.907 χ^2/NDF: 18.6/22



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3337.857+/-1.185 χ^2/NDF:1033699.7/5

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

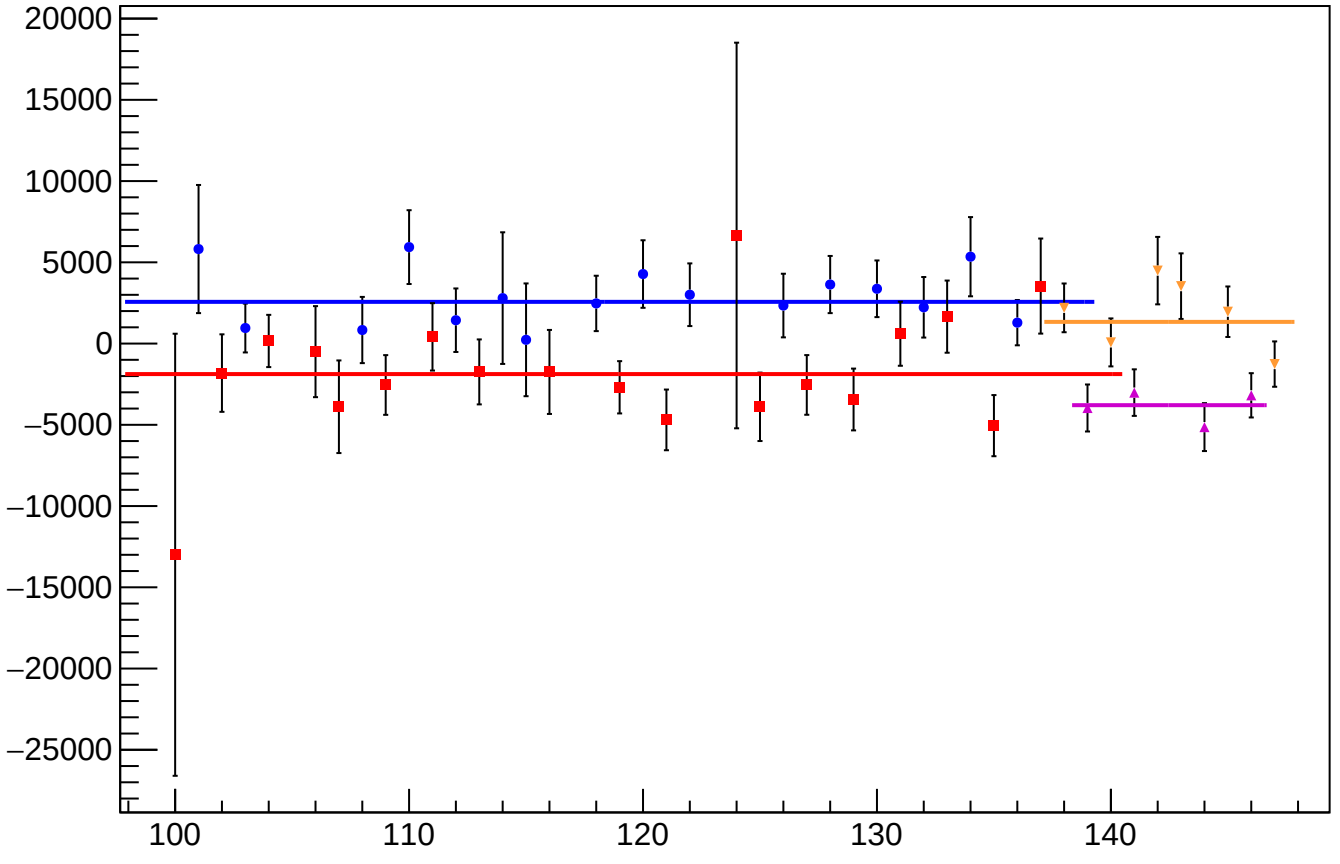
Left In: 4675.621+/-1.775 χ^2/NDF:67341.9/3

+ sign 3016.925+/-0.687 χ^2/NDF: 4049053.5/21

All: 2907.012+/-0.486 χ^2/NDF: 8842533.6/44

- sign 2796.847+/-0.688 χ^2/NDF: 4742251.9/22

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

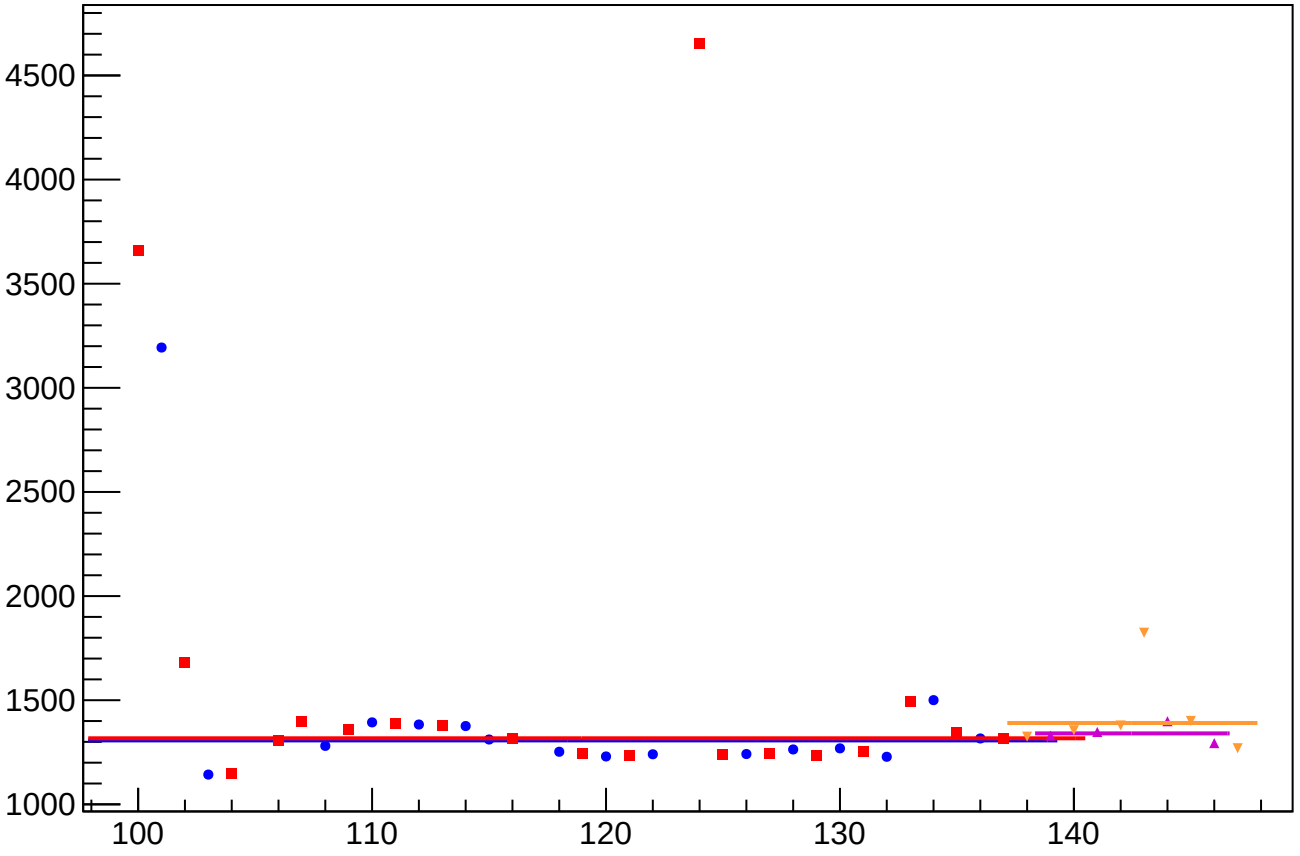
Left In: -3791.568+/-713.605 χ^2/NDF:1.3/3

+ sign 2121.500+/-395.791 χ^2/NDF: 19.5/21

All: -126.682+/-283.601 χ^2/NDF: 111.5/44

- sign -2499.006+/-406.572 χ^2/NDF: 25.7/22

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

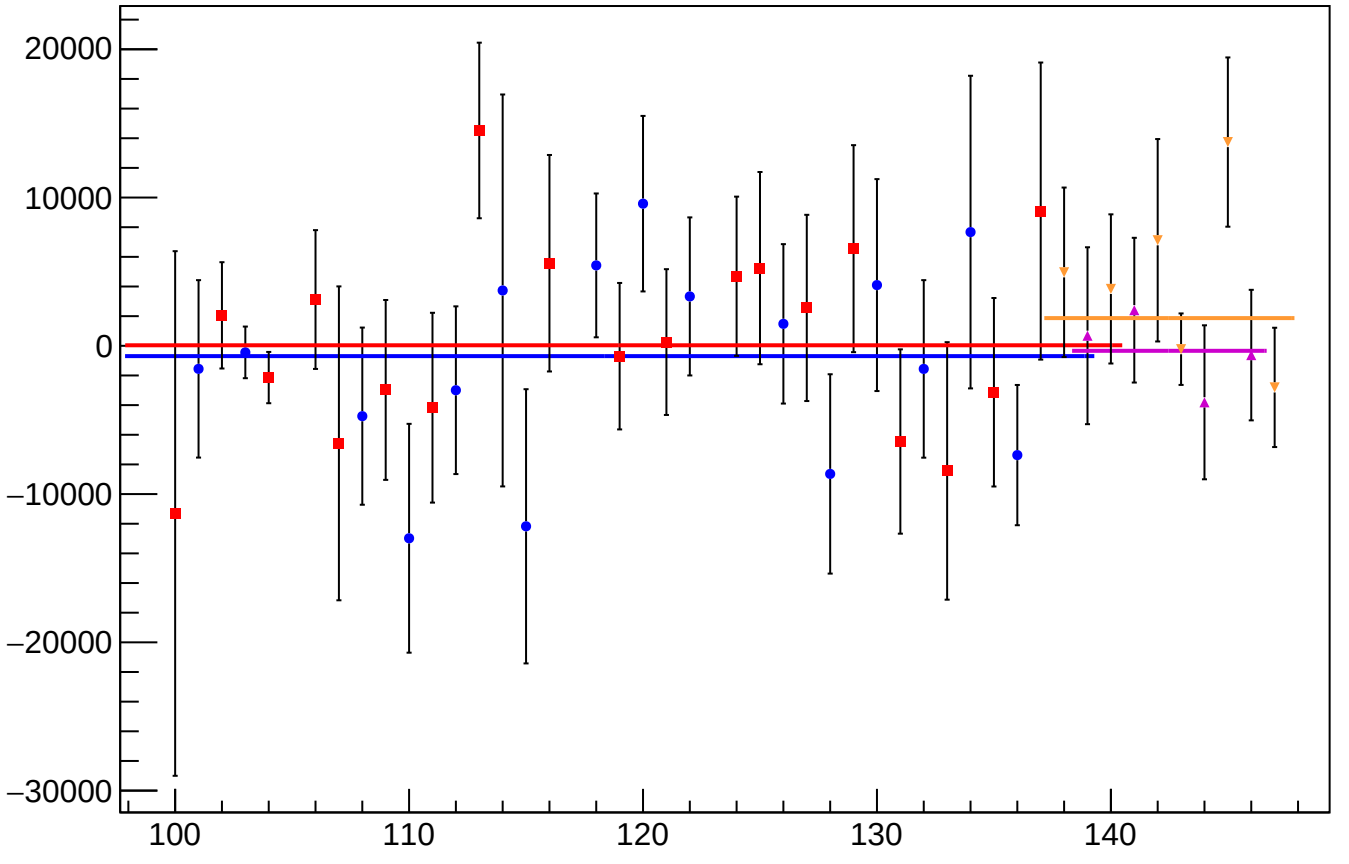
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1337.289+/-0.280 χ^2/NDF: 649220.8/21

All: 1331.183+/-0.200 χ^2/NDF: 983225.4/44

- sign 1324.756+/-0.287 χ^2/NDF: 333027.5/22



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

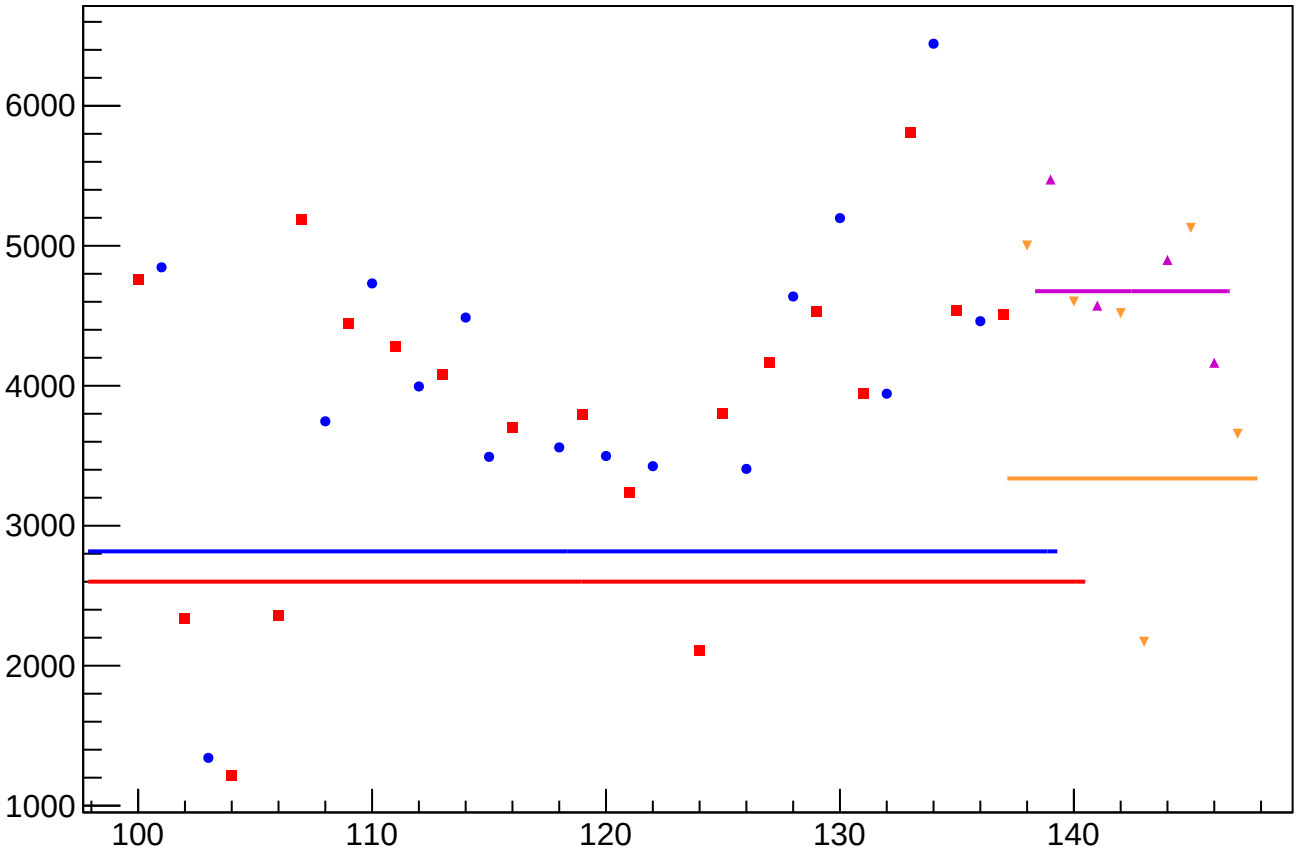
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -337.382+/-2509.765 χ^2/NDF:0.8/3

+ sign 157.096+/-966.125 χ^2/NDF: 23.7/21

All: 70.262+/-696.858 χ^2/NDF: 40.5/44

- sign -23.907+/-1006.103 χ^2/NDF: 16.8/22



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

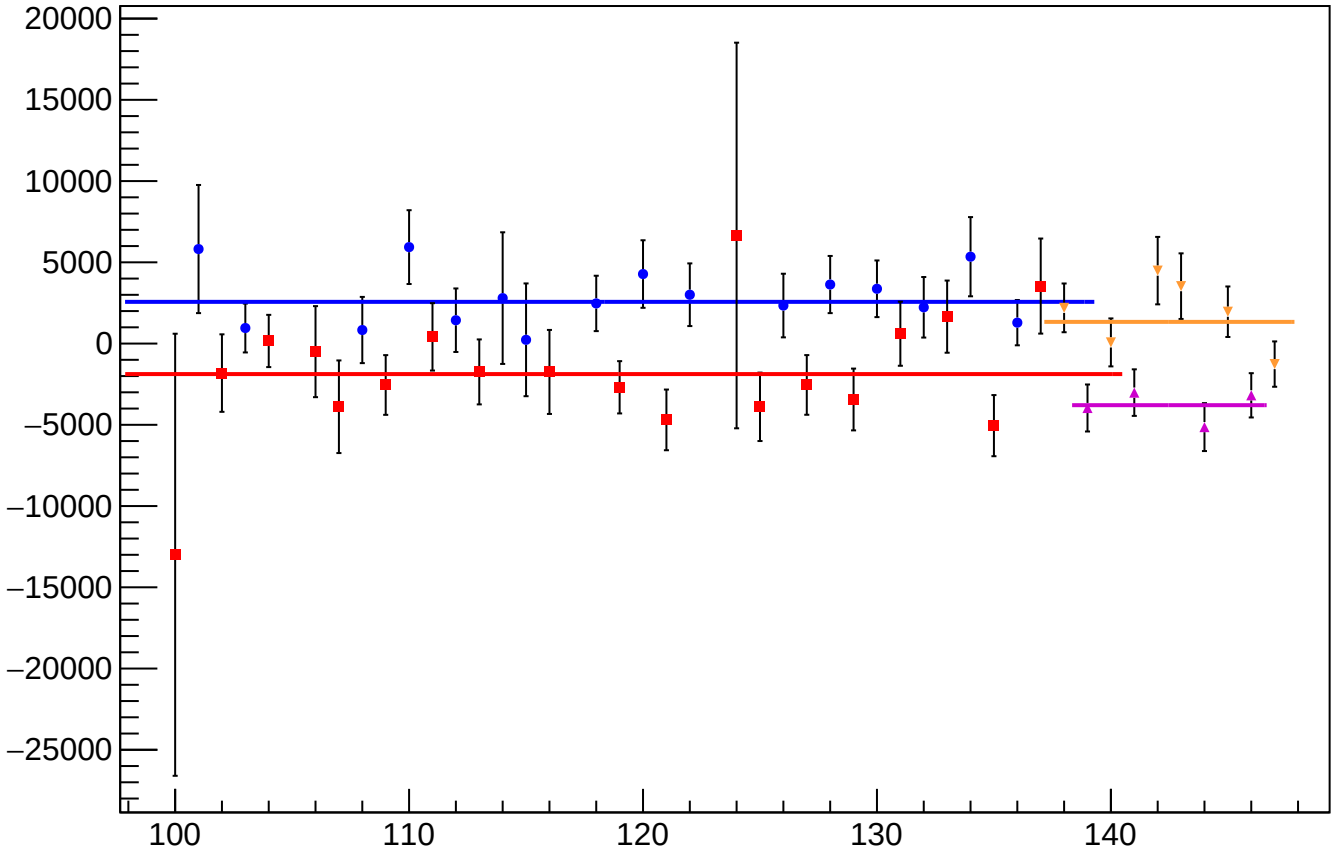
Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

+ sign 2989.982+/-0.683 χ^2/NDF: 4170392.0/21

All: 2963.122+/-0.493 χ^2/NDF: 8469239.5/44

- sign 2933.994+/-0.711 χ^2/NDF: 4295625.3/22

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: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

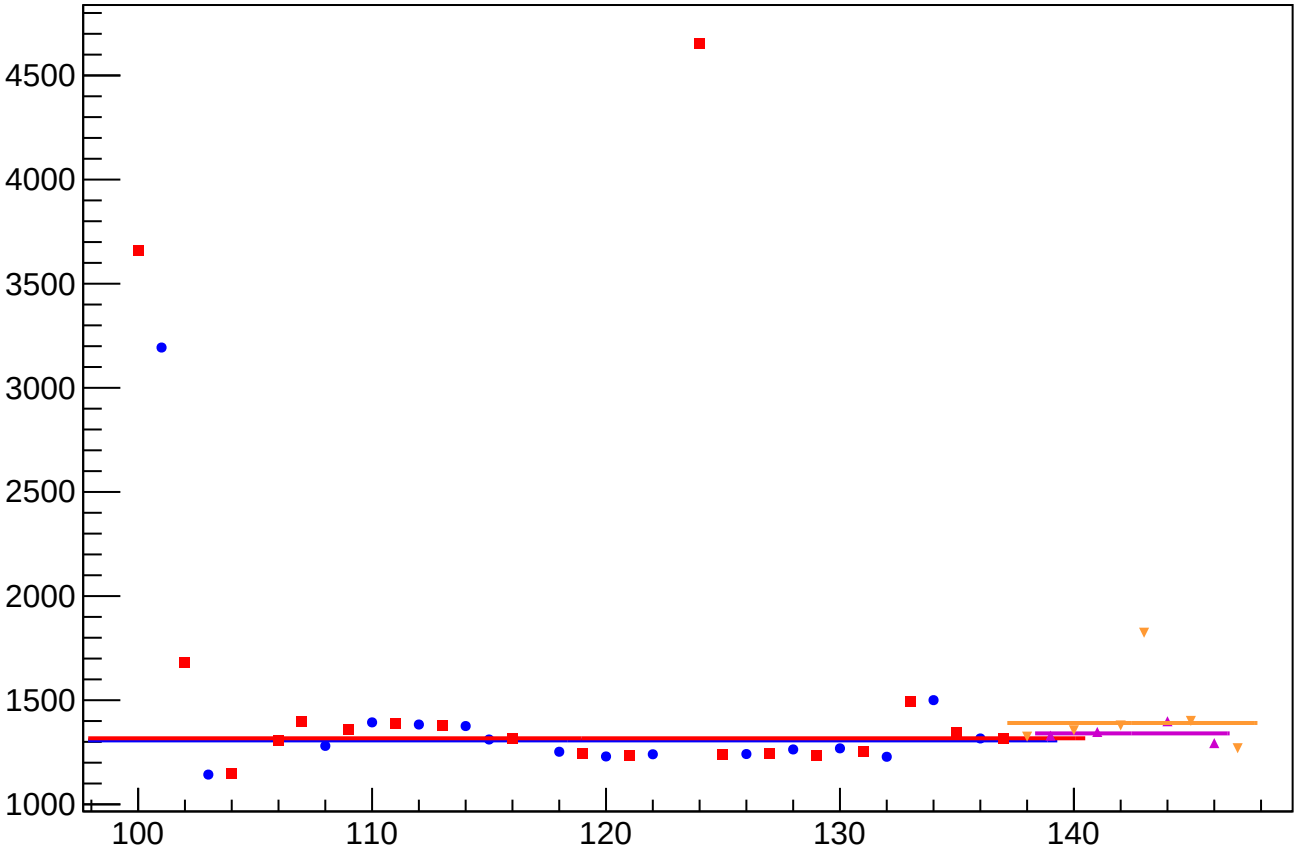
Left In: -3791.568+/-713.605 χ^2/NDF:1.3/3

+ sign 2121.500+/-395.791 χ^2/NDF: 19.5/21

All: -126.682+/-283.601 χ^2/NDF: 111.5/44

- sign -2499.006+/-406.572 χ^2/NDF: 25.7/22

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: 1390.641+/-0.465 χ^2/NDF:112384.8/5

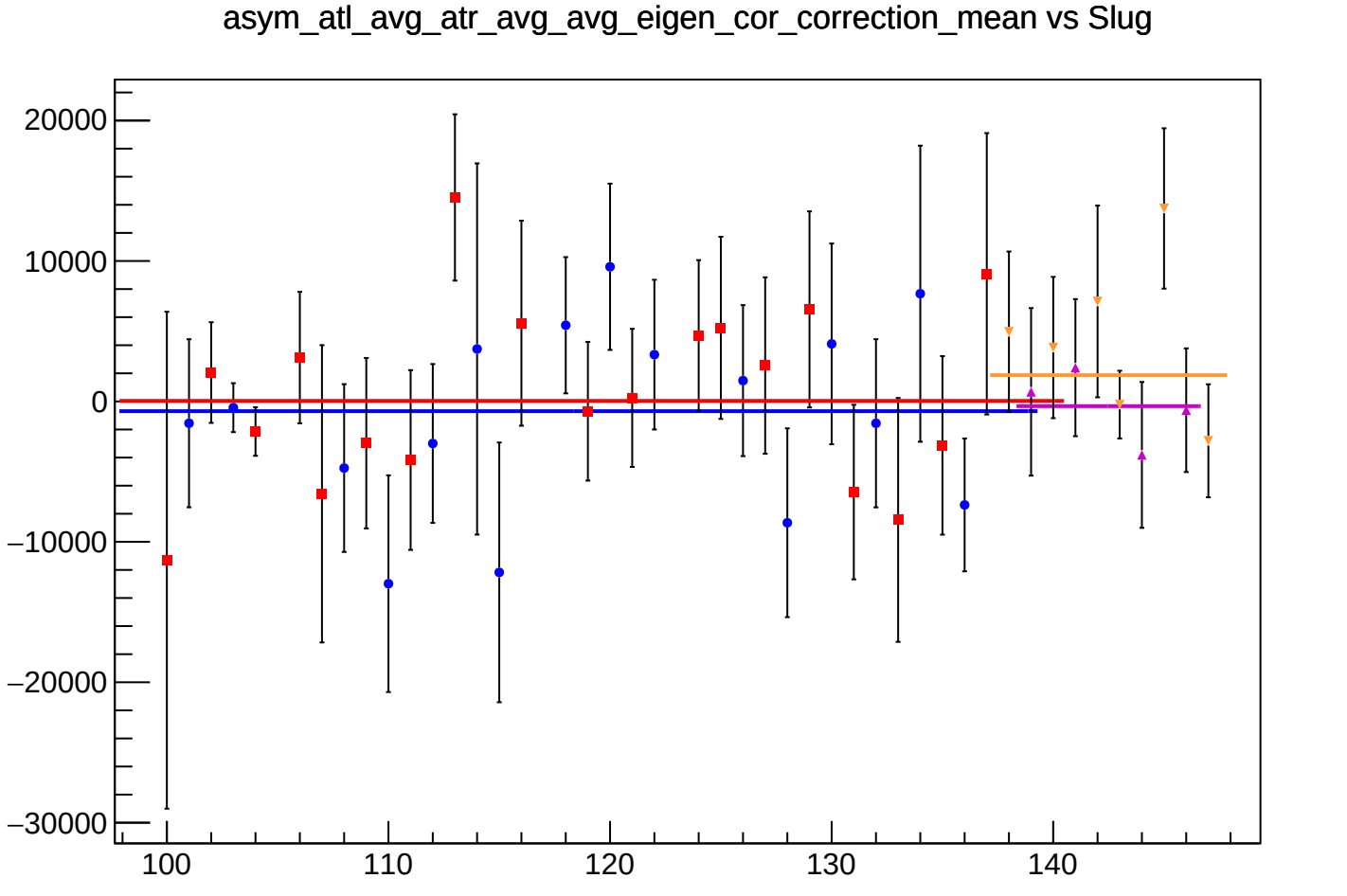
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1337.289+/-0.280 χ^2/NDF: 649220.8/21

All: 1331.183+/-0.200 χ^2/NDF: 983225.4/44

- sign 1324.756+/-0.287 χ^2/NDF: 333027.5/22



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

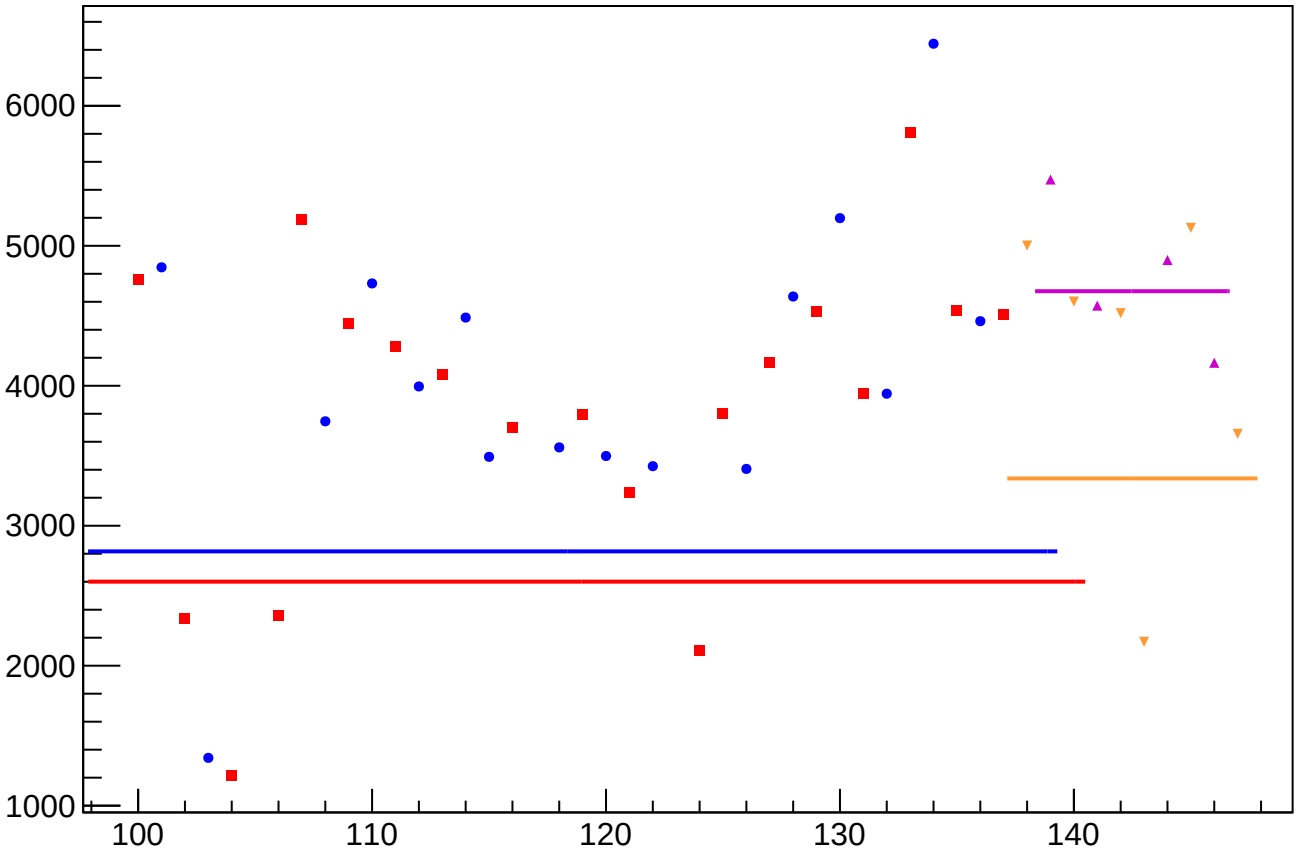
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -337.382+/-2509.765 χ^2/NDF:0.8/3

+ sign 157.096+/-966.125 χ^2/NDF: 23.7/21

All: 70.262+/-696.858 χ^2/NDF: 40.5/44

- sign -23.907+/-1006.103 χ^2/NDF: 16.8/22



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

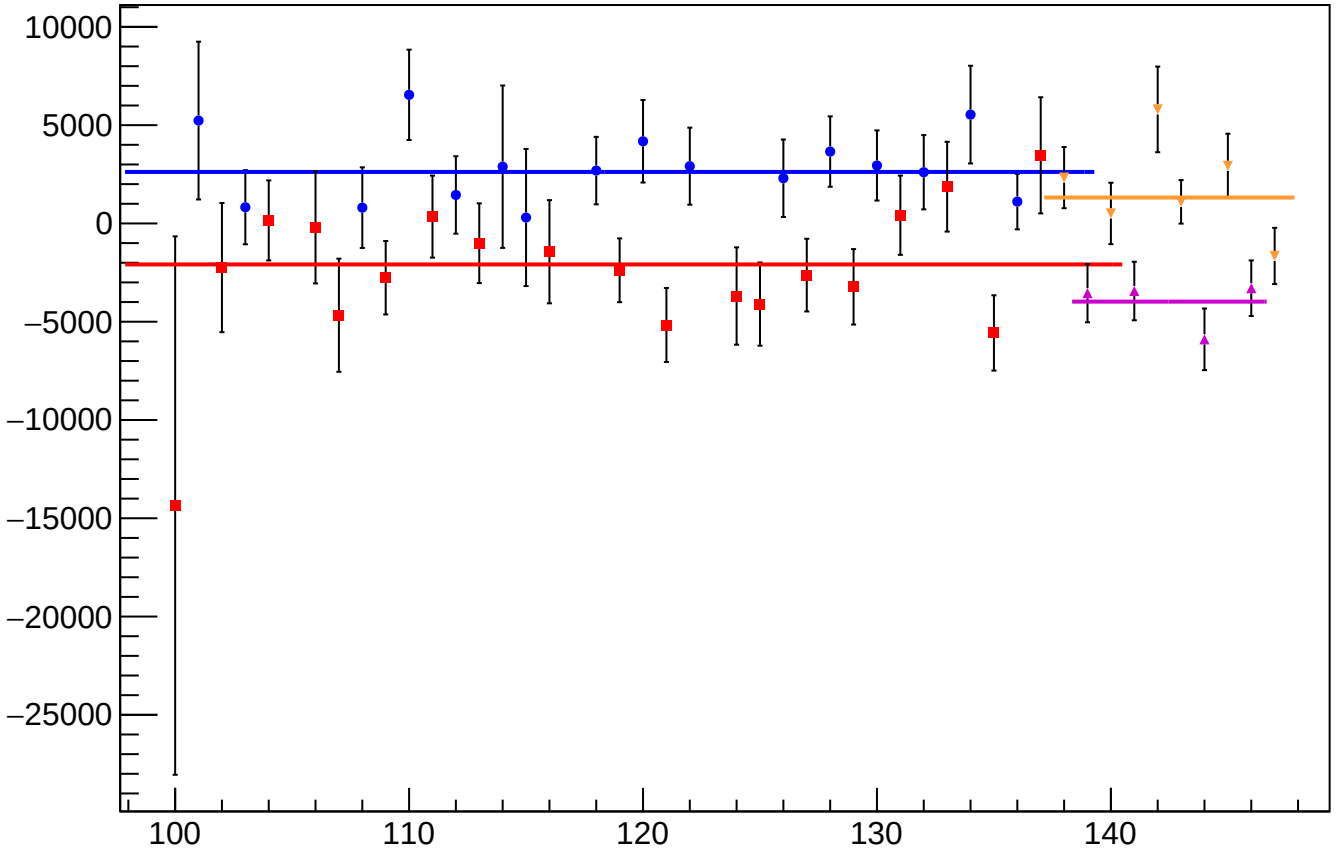
Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

+ sign 2989.982+/-0.683 χ^2/NDF: 4170392.0/21

All: 2963.122+/-0.493 χ^2/NDF: 8469239.5/44

- sign 2933.994+/-0.711 χ^2/NDF: 4295625.3/22

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.140+/-607.393 χ^2/NDF:10.3/5

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

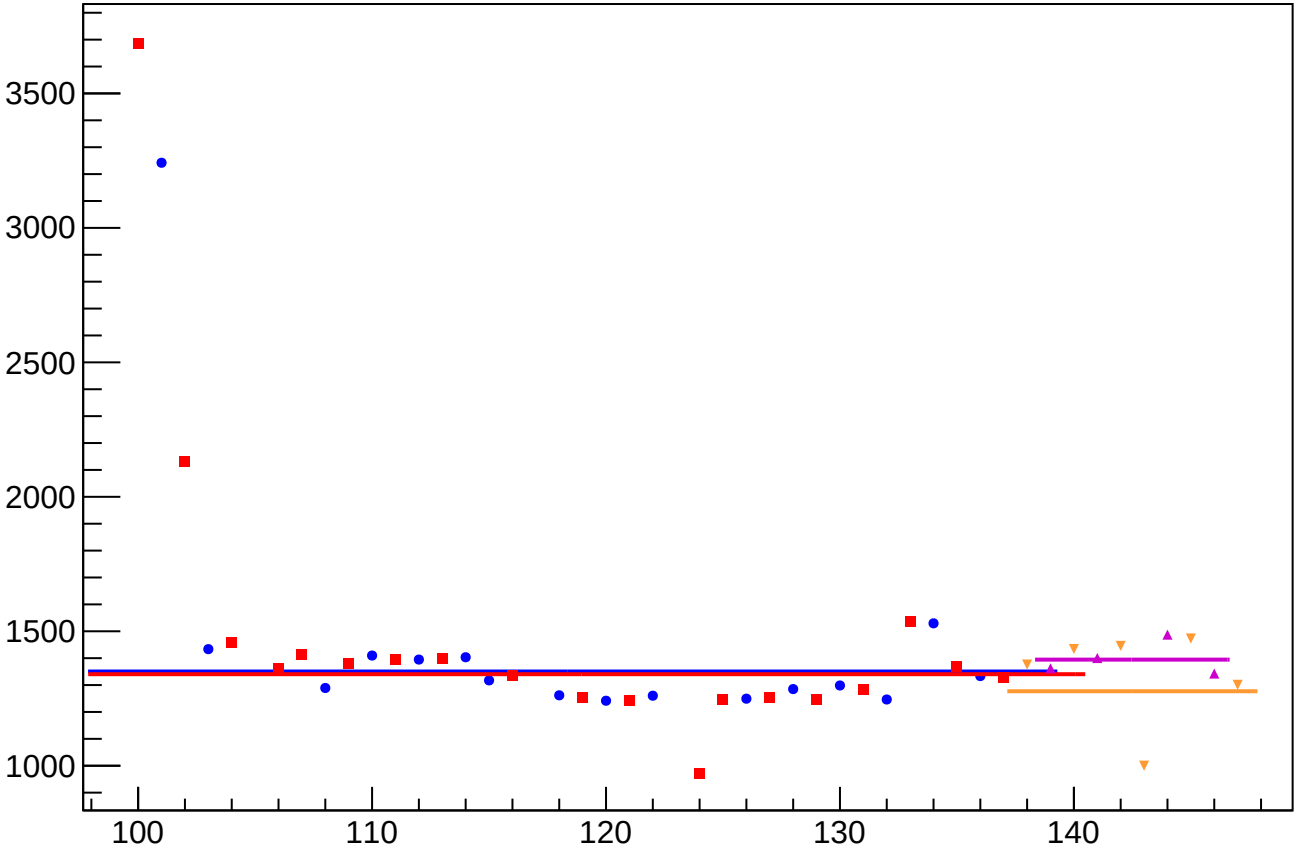
Left In: -3977.920+/-742.719 χ^2/NDF:1.9/3

+ sign 2080.131+/-391.253 χ^2/NDF: 22.3/21

All: -147.103+/-285.498 χ^2/NDF: 118.9/44

- sign -2683.656+/-417.539 χ^2/NDF: 27.3/22

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1277.032+/-0.429 χ^2/NDF:194582.3/5

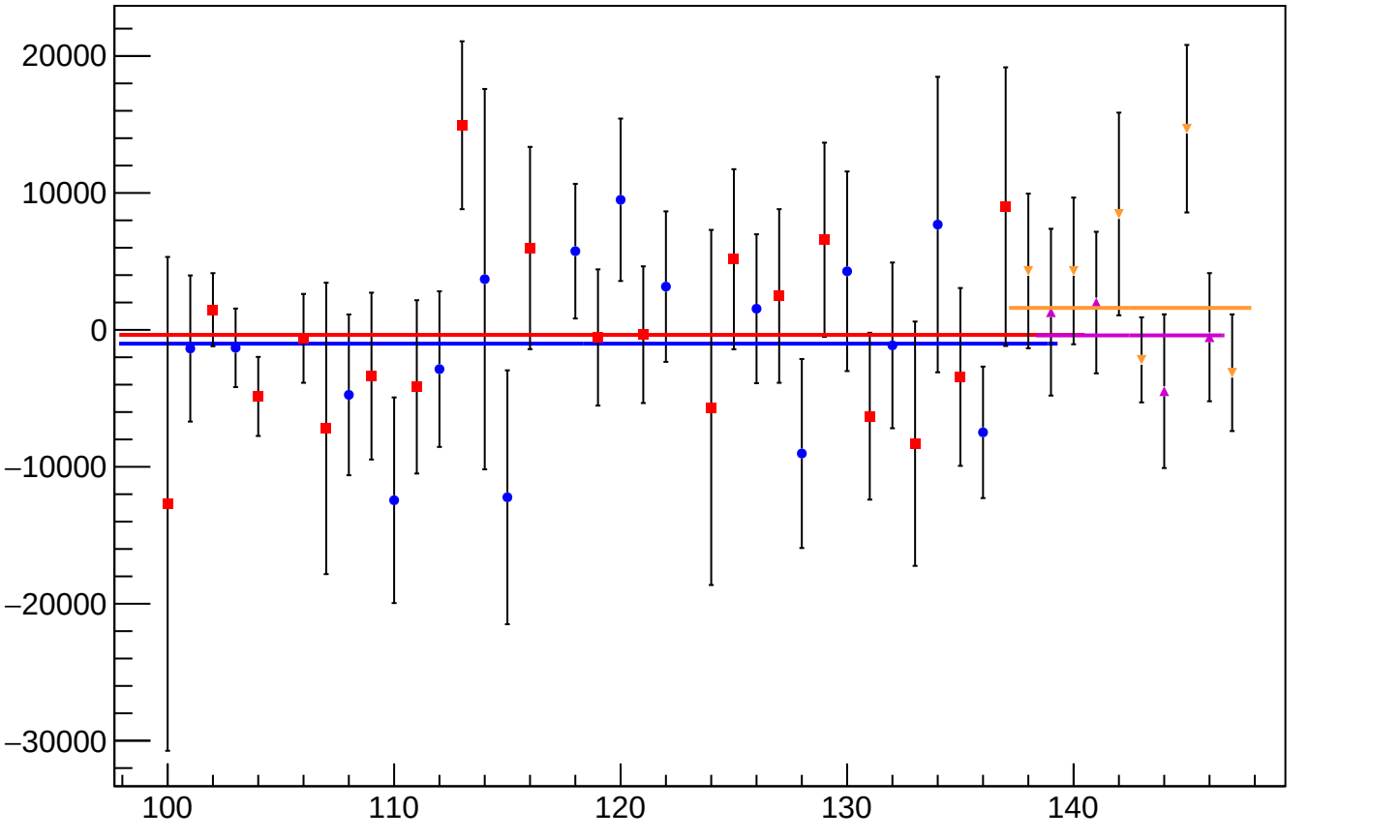
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1394.575+/-0.525 χ^2/NDF:10689.5/3

+ sign 1319.939+/-0.277 χ^2/NDF: 705692.0/21

All: 1337.521+/-0.202 χ^2/NDF: 1004471.9/44

- sign 1357.526+/-0.295 χ^2/NDF: 290146.0/22



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1605.646+/-1924.984 χ^2/NDF:8.6/5

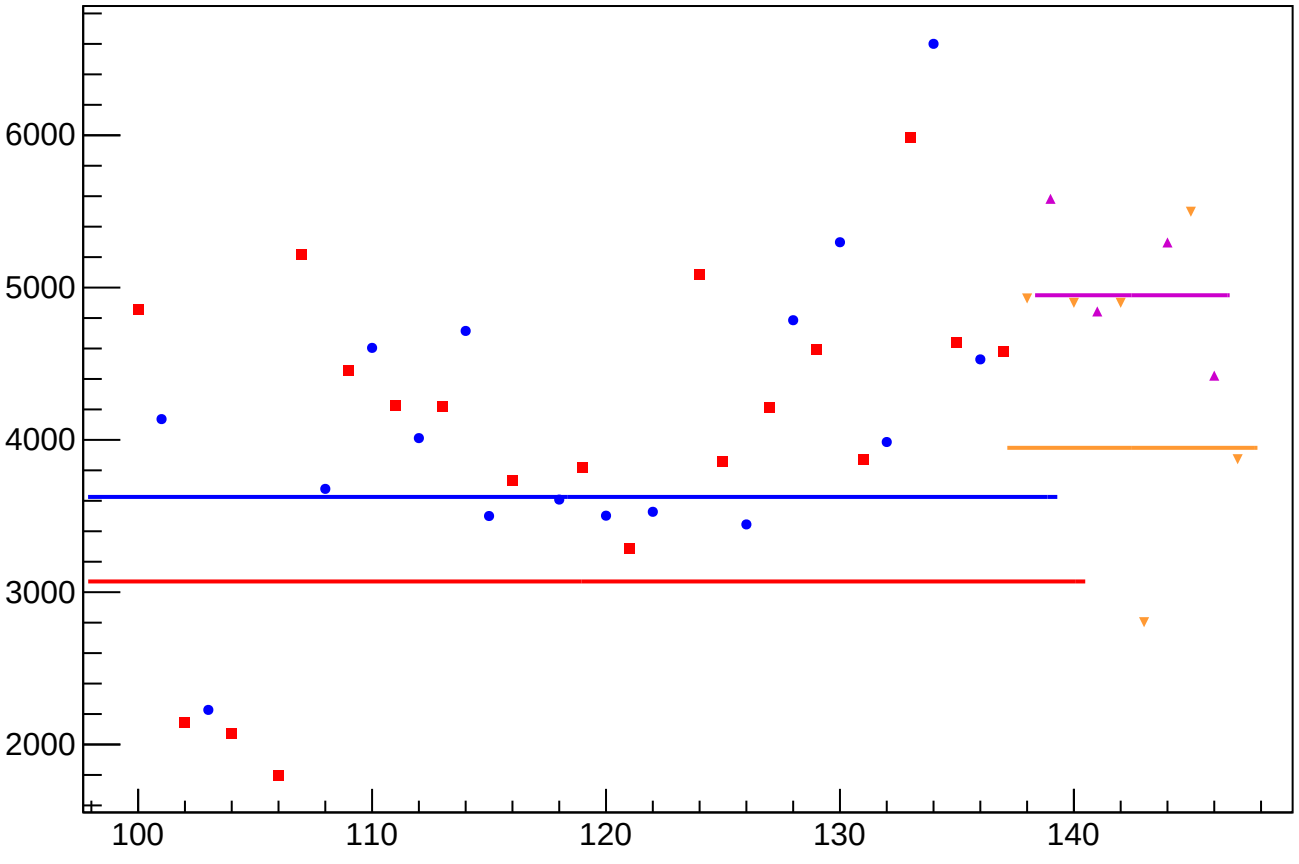
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -401.303+/-2655.304 χ^2/NDF:0.8/3

+ sign -99.231+/-1134.582 χ^2/NDF: 24.4/21

All: -239.763+/-788.055 χ^2/NDF: 41.5/44

- sign -370.758+/-1095.406 χ^2/NDF: 17.0/22



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3947.882+/-1.361 χ^2/NDF:557257.5/5

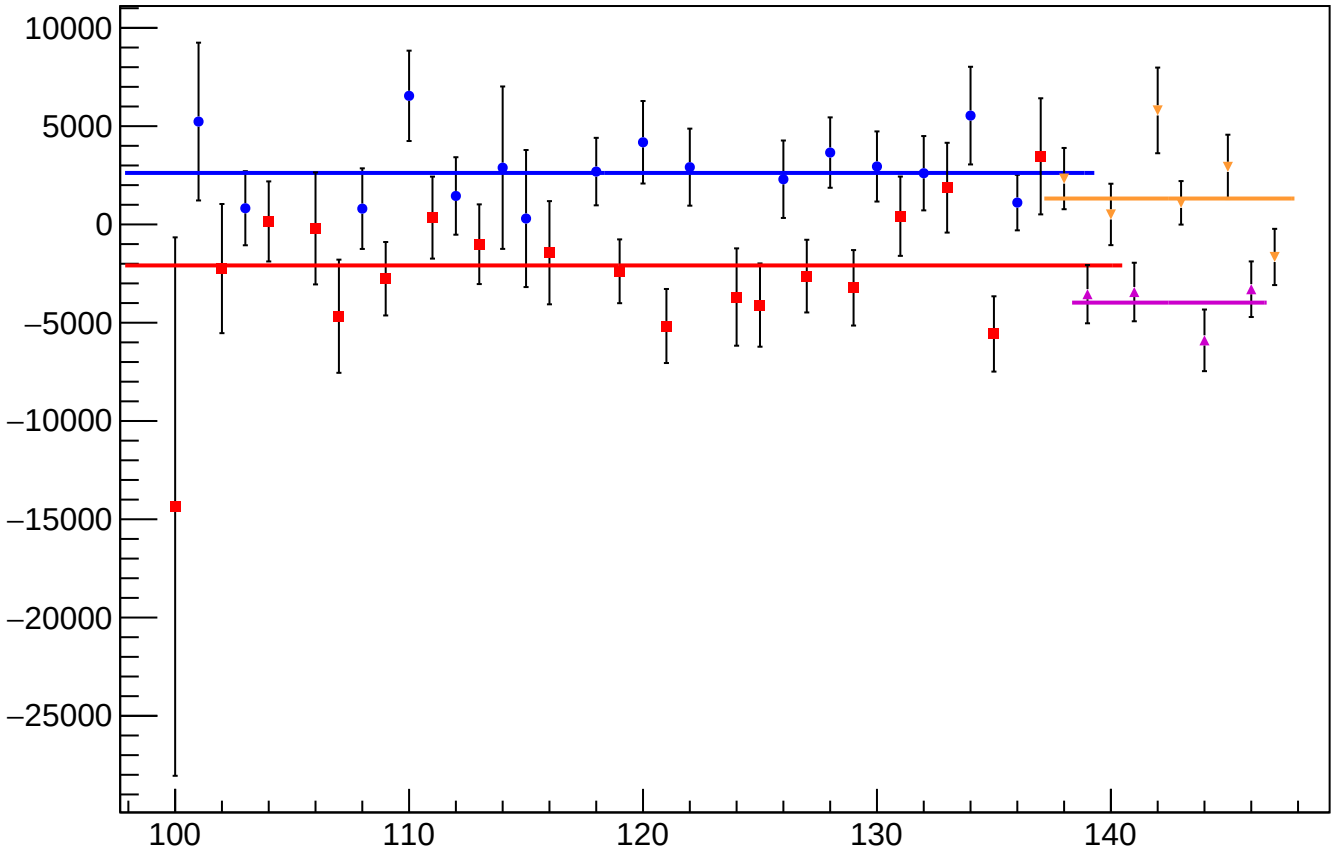
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4949.646+/-1.878 χ^2/NDF:55562.4/3

+ sign 3737.500+/-0.802 χ^2/NDF: 1538767.8/21

All: 3557.779+/-0.557 χ^2/NDF: 4361197.1/44

- sign 3390.255+/-0.775 χ^2/NDF: 2725468.9/22



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.144+/-607.393 χ^2/NDF:10.3/5

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

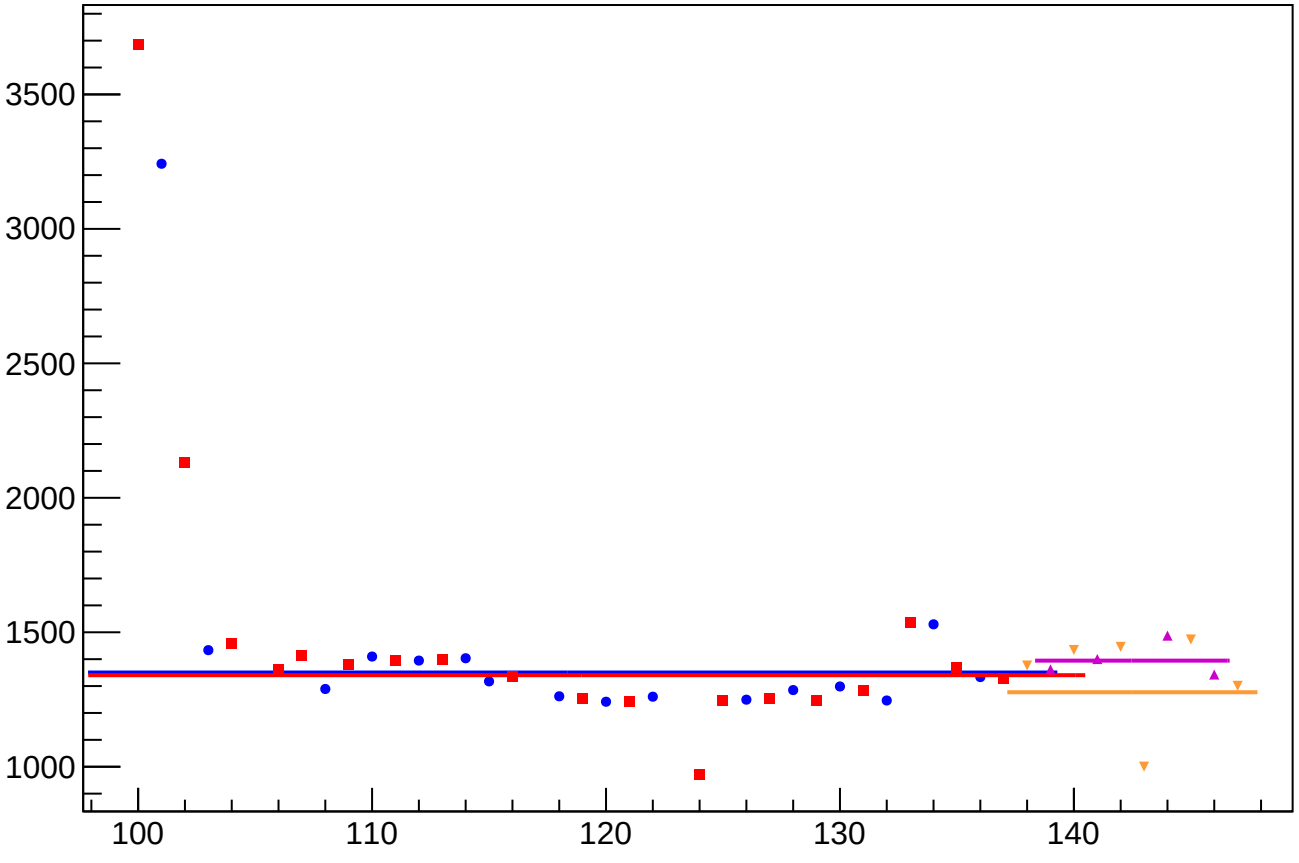
Left In: -3977.915+/-742.720 χ^2/NDF:1.9/3

+ sign 2080.133+/-391.253 χ^2/NDF: 22.3/21

All: -147.101+/-285.498 χ^2/NDF: 118.9/44

- sign -2683.655+/-417.539 χ^2/NDF: 27.3/22

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: 1277.033+/-0.429 χ^2/NDF:194582.5/5

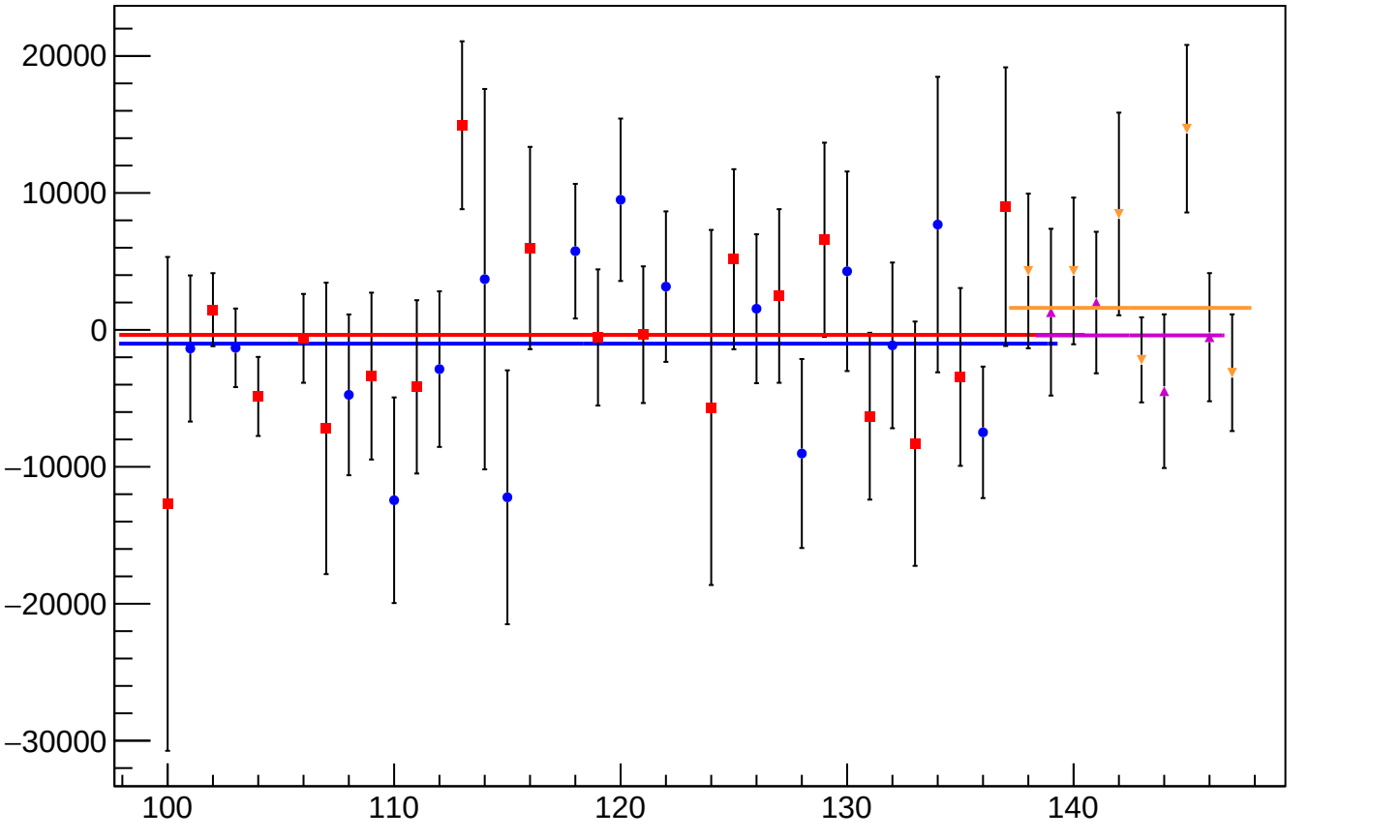
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1394.576+/-0.525 χ^2/NDF:10689.6/3

+ sign 1319.940+/-0.277 χ^2/NDF: 705691.7/21

All: 1337.521+/-0.202 χ^2/NDF: 1004471.1/44

- sign 1357.527+/-0.295 χ^2/NDF: 290145.6/22



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1605.645+/-1924.987 χ^2/NDF:8.6/5

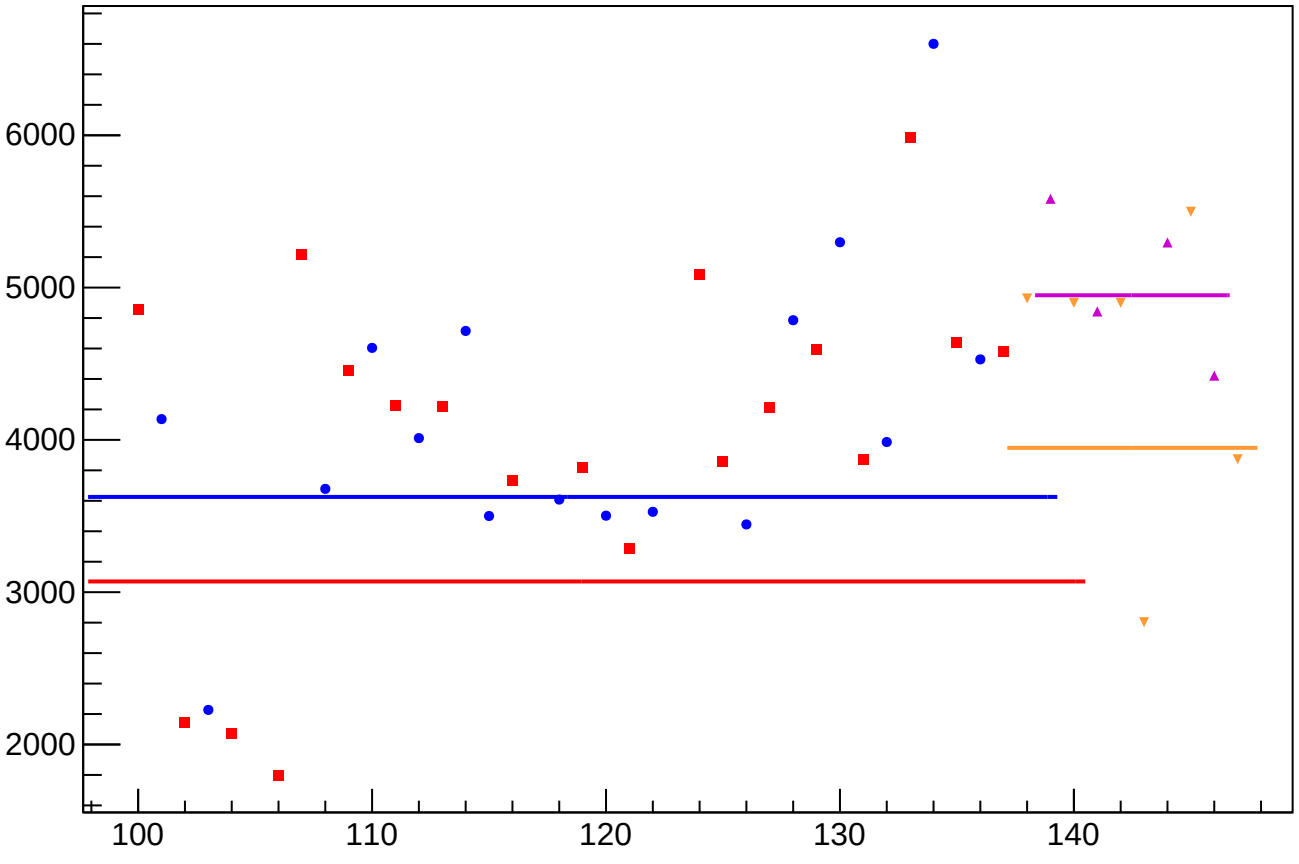
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -401.297+/-2655.308 χ^2/NDF:0.8/3

+ sign -99.230+/-1134.580 χ^2/NDF: 24.4/21

All: -239.763+/-788.054 χ^2/NDF: 41.5/44

- sign -370.758+/-1095.404 χ^2/NDF: 17.0/22



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3947.889+/-1.361 χ^2/NDF:557257.7/5

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

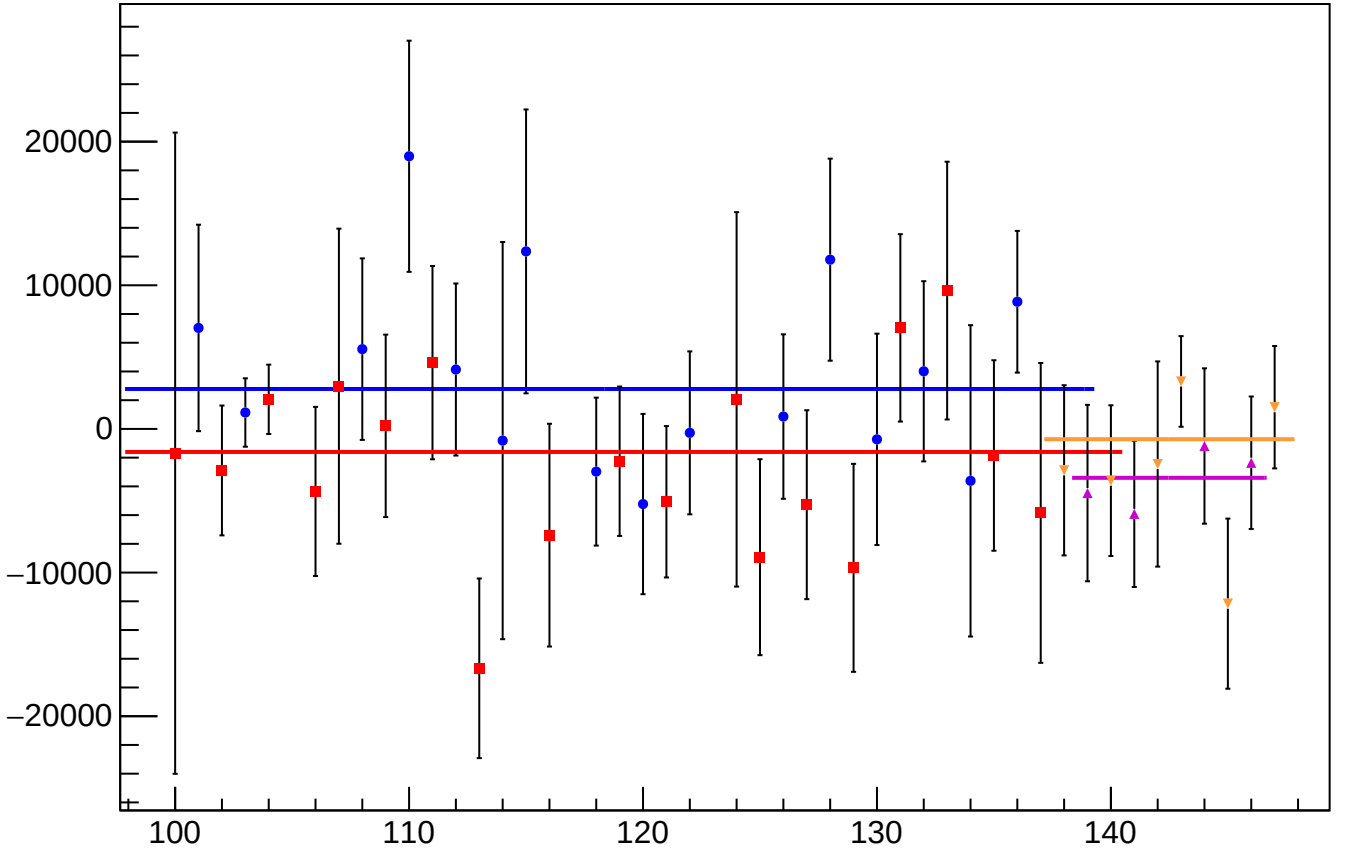
Left In: 4949.653+/-1.878 χ^2/NDF:55562.9/3

+ sign 3737.496+/-0.802 χ^2/NDF: 1538773.8/21

All: 3557.773+/-0.557 χ^2/NDF: 4361221.8/44

- sign 3390.247+/-0.775 χ^2/NDF: 2725485.3/22

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -715.358+/-1929.902 χ^2/NDF:6.1/5

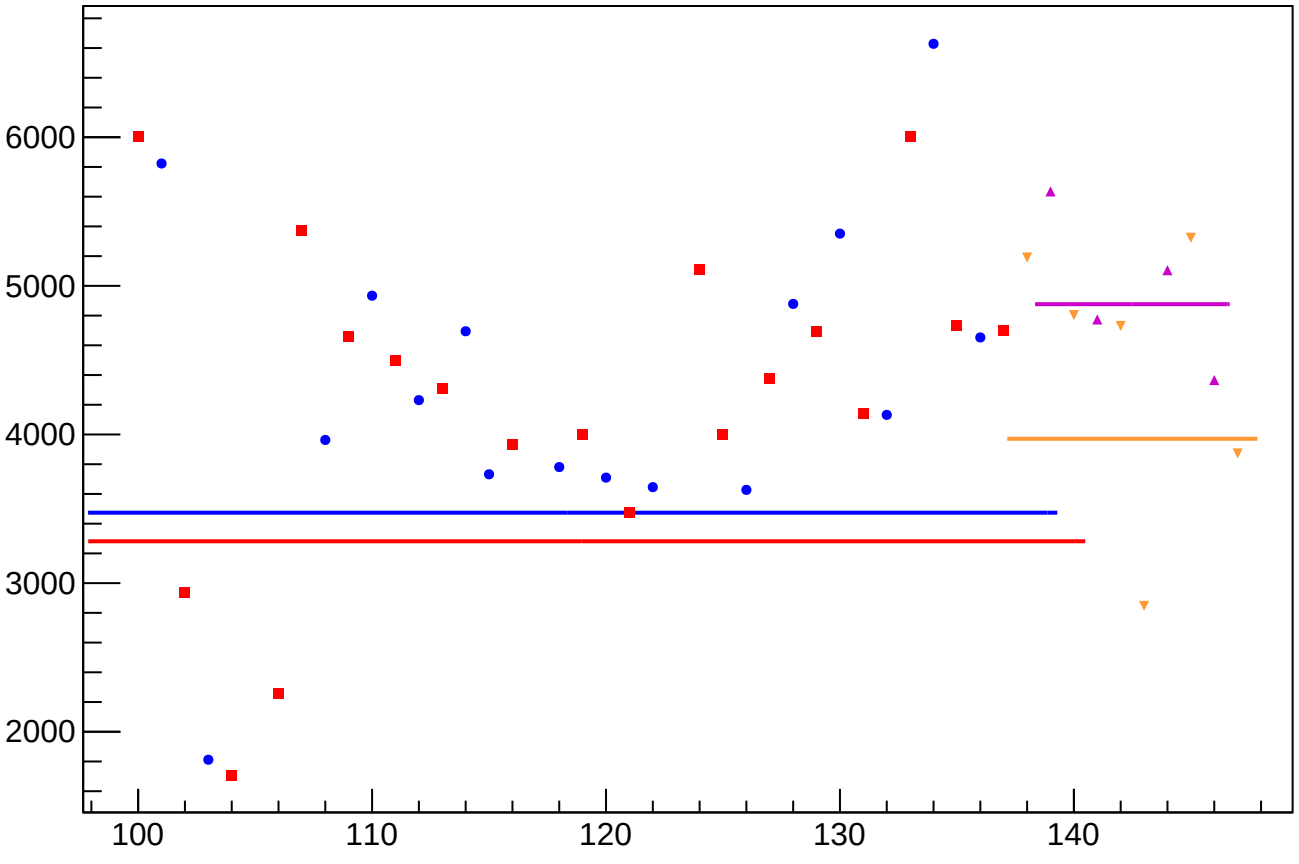
Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: -3403.336+/-2614.680 χ^2/NDF:0.5/3

+ sign 1587.323+/-1127.603 χ^2/NDF: 21.5/21

All: -97.799+/-818.640 χ^2/NDF: 43.9/44

- sign -1975.877+/-1190.412 χ^2/NDF: 17.7/22



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3971.102+/-1.365 χ^2/NDF:516898.7/5

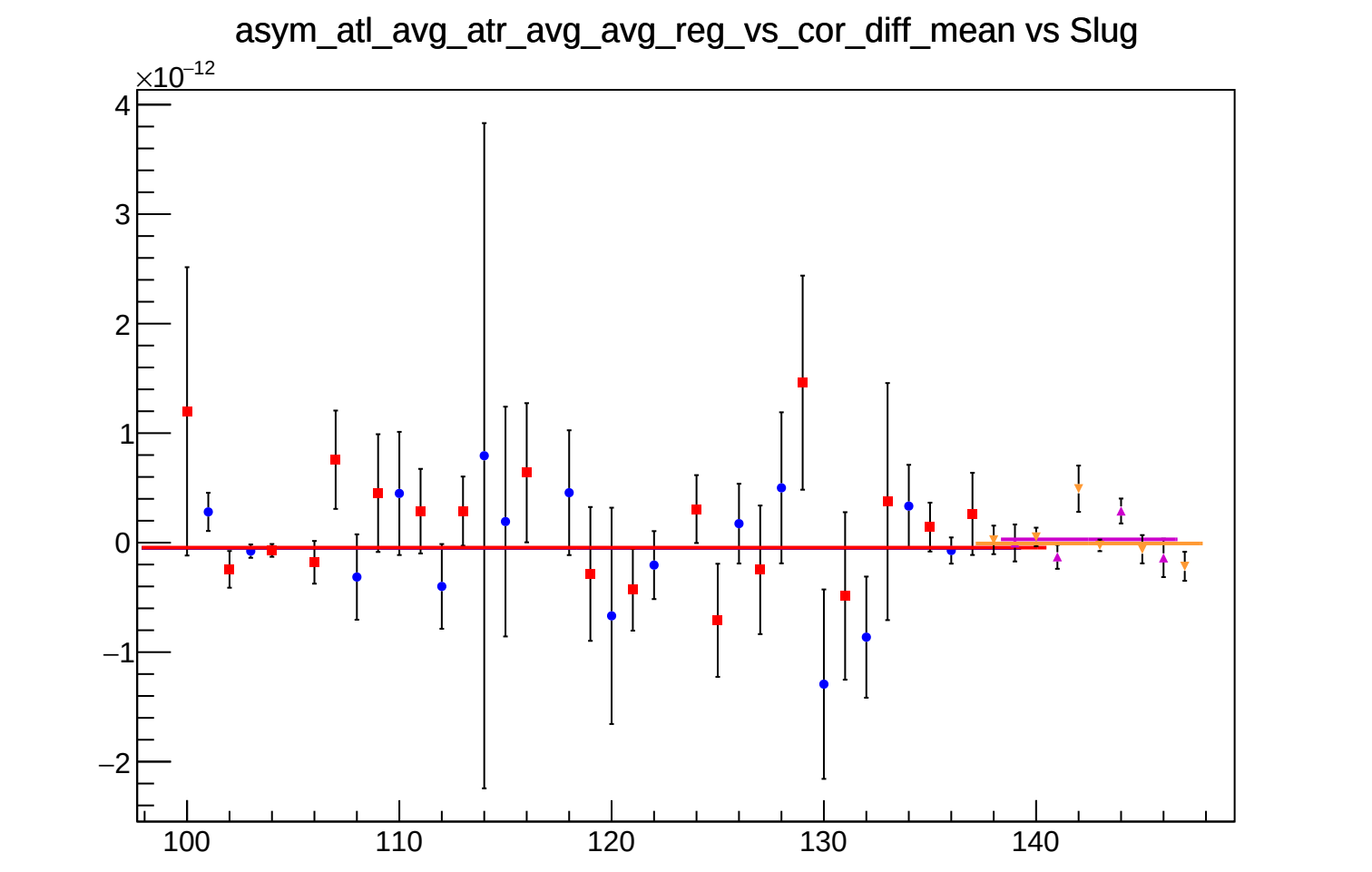
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4876.717+/-1.849 χ^2/NDF:59384.5/3

+ sign 3643.633+/-0.797 χ^2/NDF: 2448293.5/21

All: 3625.144+/-0.576 χ^2/NDF: 4977788.0/44

- sign 3604.983+/-0.833 χ^2/NDF: 2528370.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/5

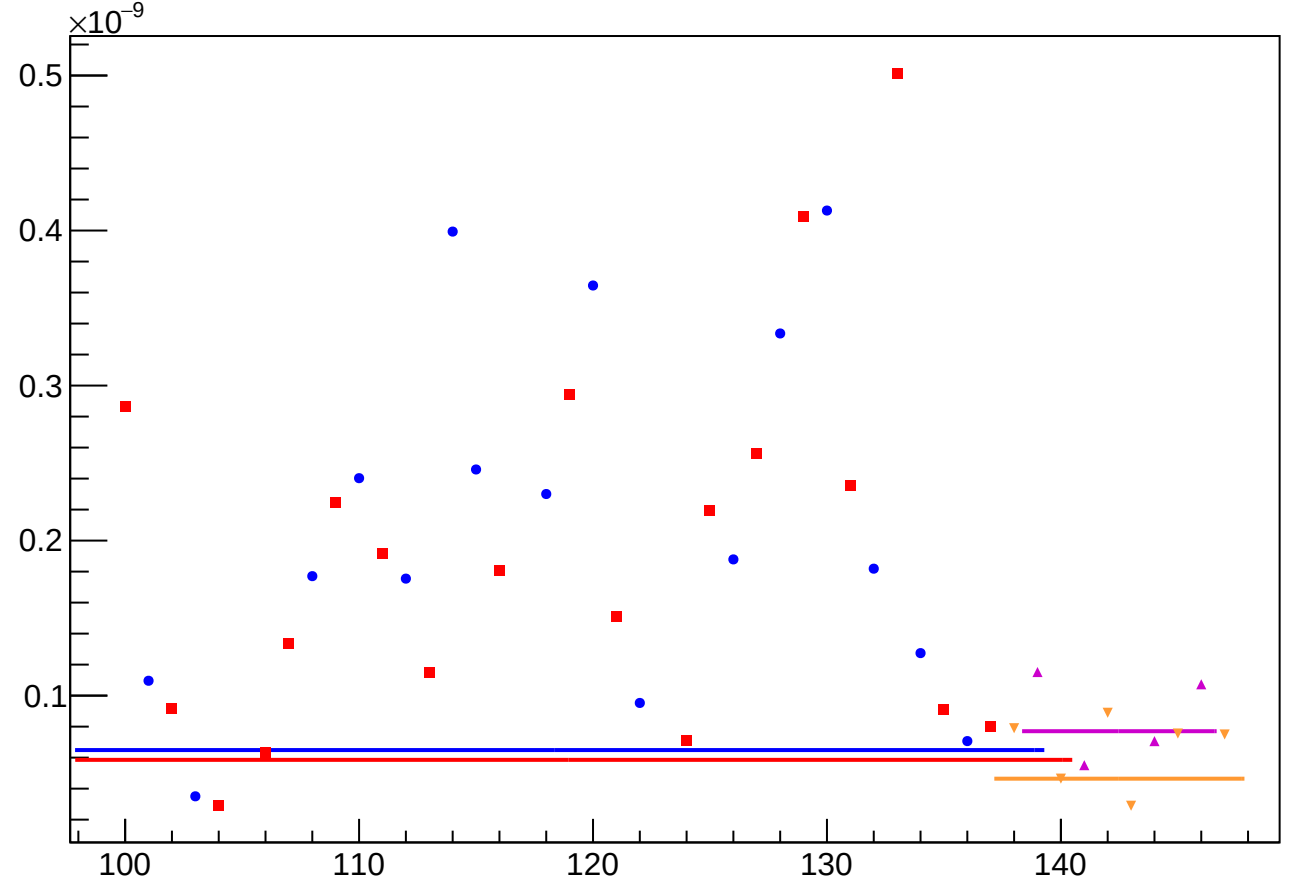
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/21

All: -0.000+/-0.000 χ^2/NDF: 50.8/44

- sign -0.000+/-0.000 χ^2/NDF: 27.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:618526.3/5

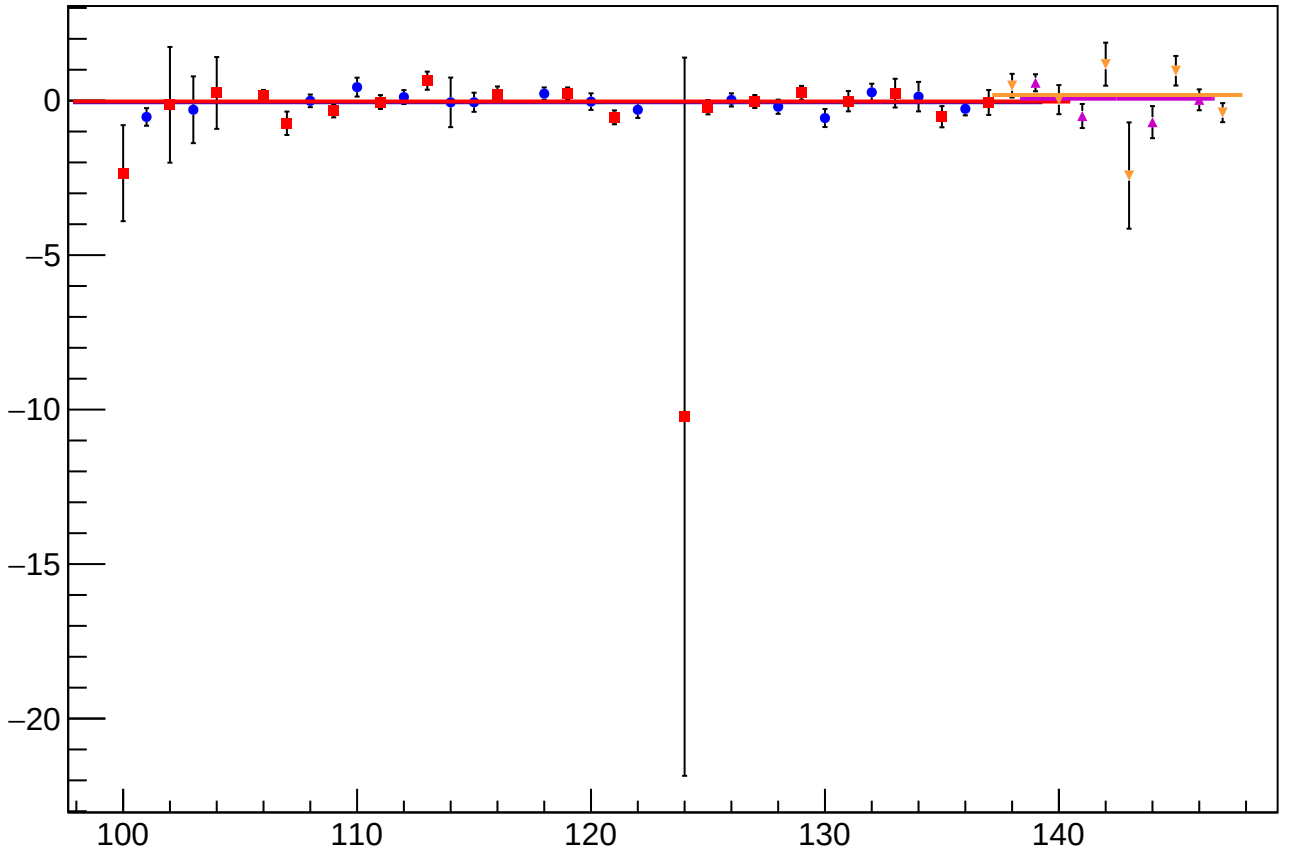
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248283.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3391113.0/21

All: 0.000+/-0.000 χ^2/NDF: 6707000.3/44

- sign 0.000+/-0.000 χ^2/NDF: 3206249.4/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

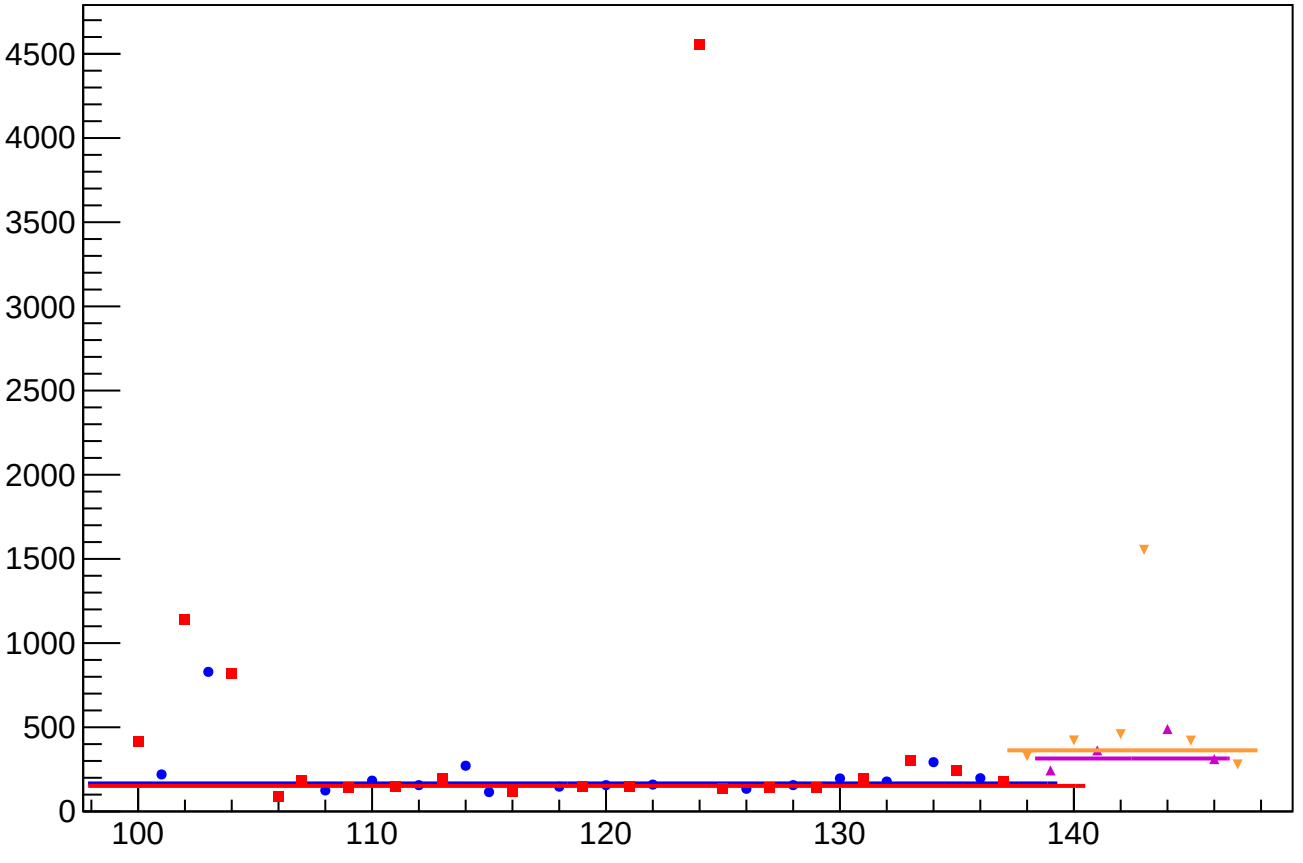
Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.021+/-0.043 χ^2/NDF: 63.0/44

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 362.947+/-0.132 χ^2/NDF:1220933.2/5

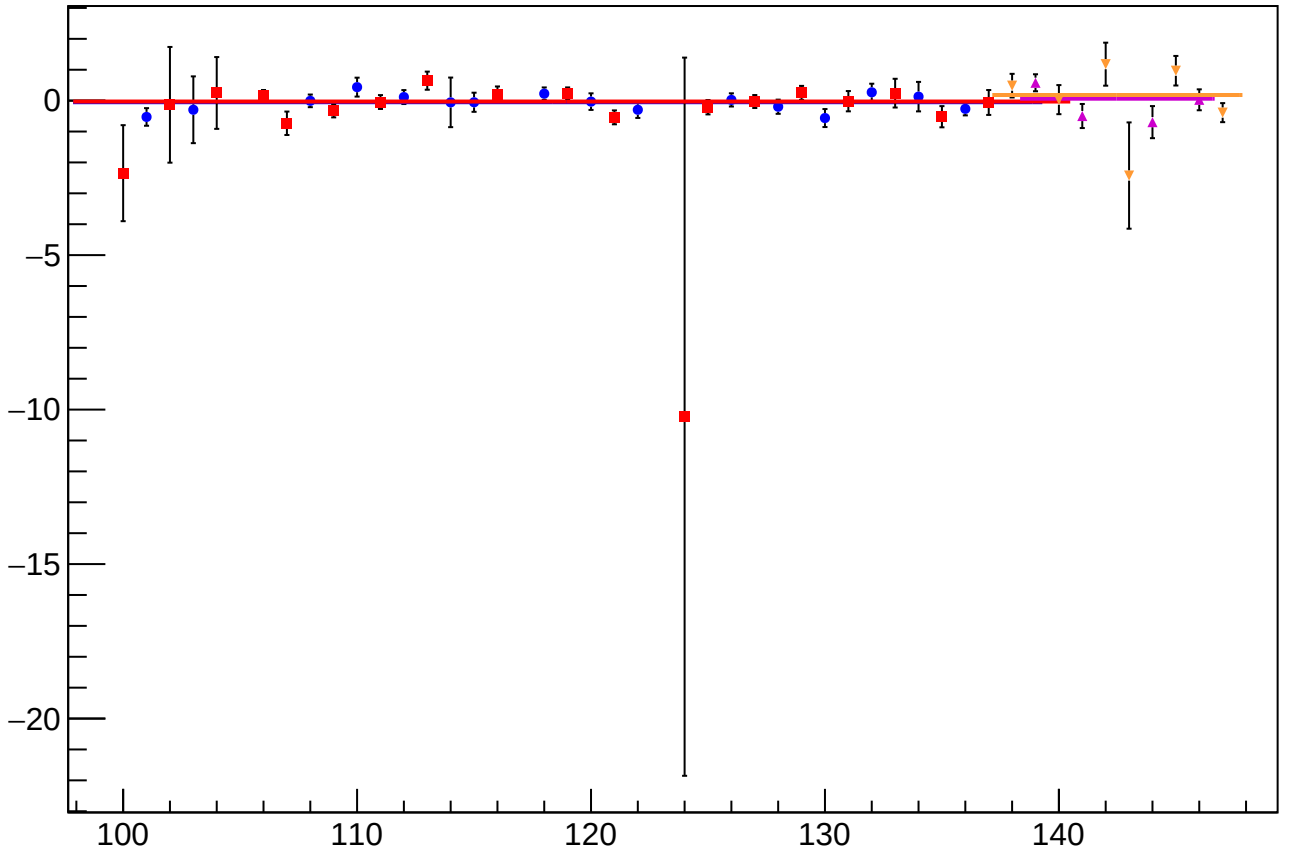
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

+ sign 188.604+/-0.044 χ^2/NDF: 4467818.3/21

All: 179.312+/-0.031 χ^2/NDF: 8767794.7/44

- sign 170.792+/-0.043 χ^2/NDF: 4216152.9/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

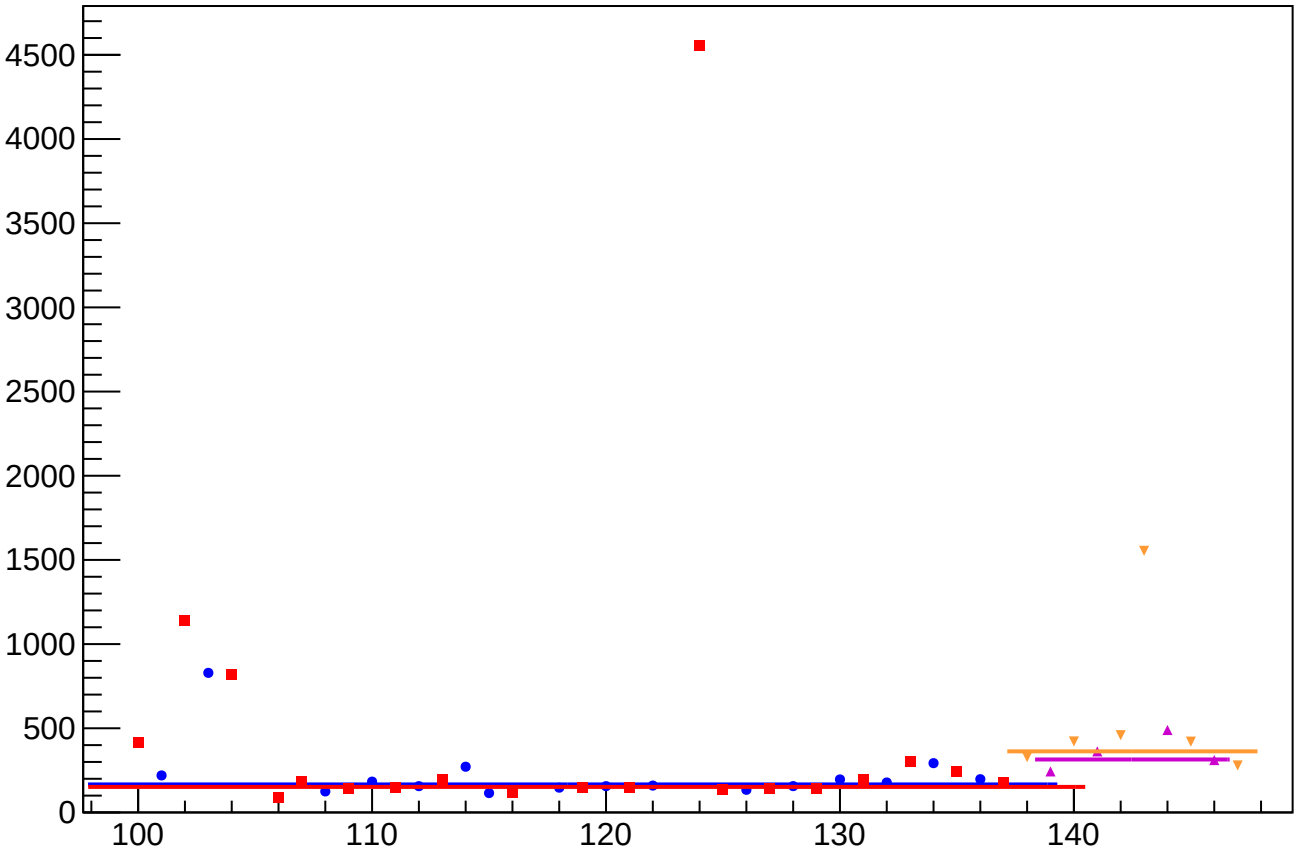
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.021+/-0.043 χ^2/NDF: 63.0/44

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 362.947+/-0.132 χ^2/NDF:1220933.2/5

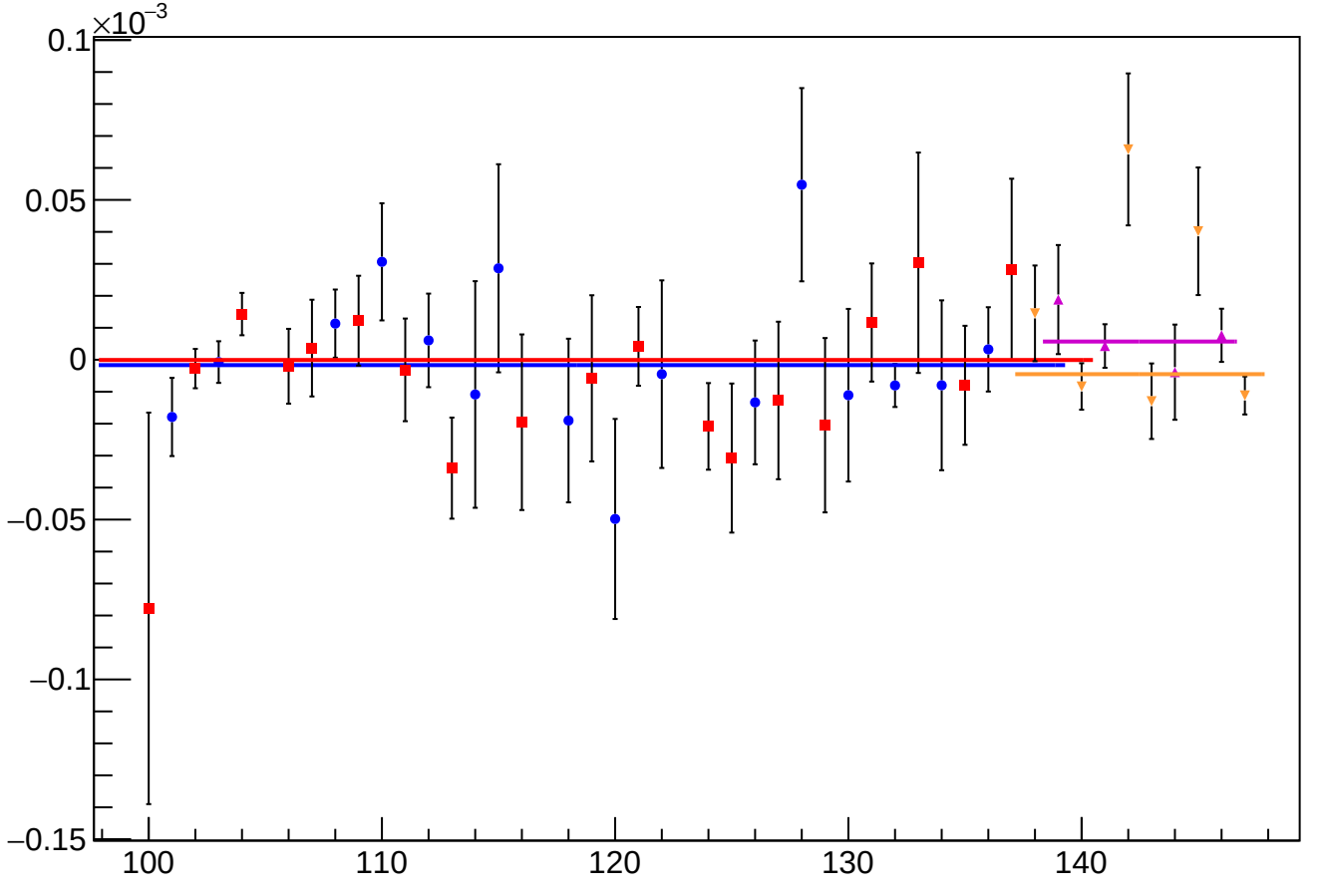
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

+ sign 188.604+/-0.044 χ^2/NDF: 4467818.3/21

All: 179.312+/-0.031 χ^2/NDF: 8767794.7/44

- sign 170.792+/-0.043 χ^2/NDF: 4216152.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/5

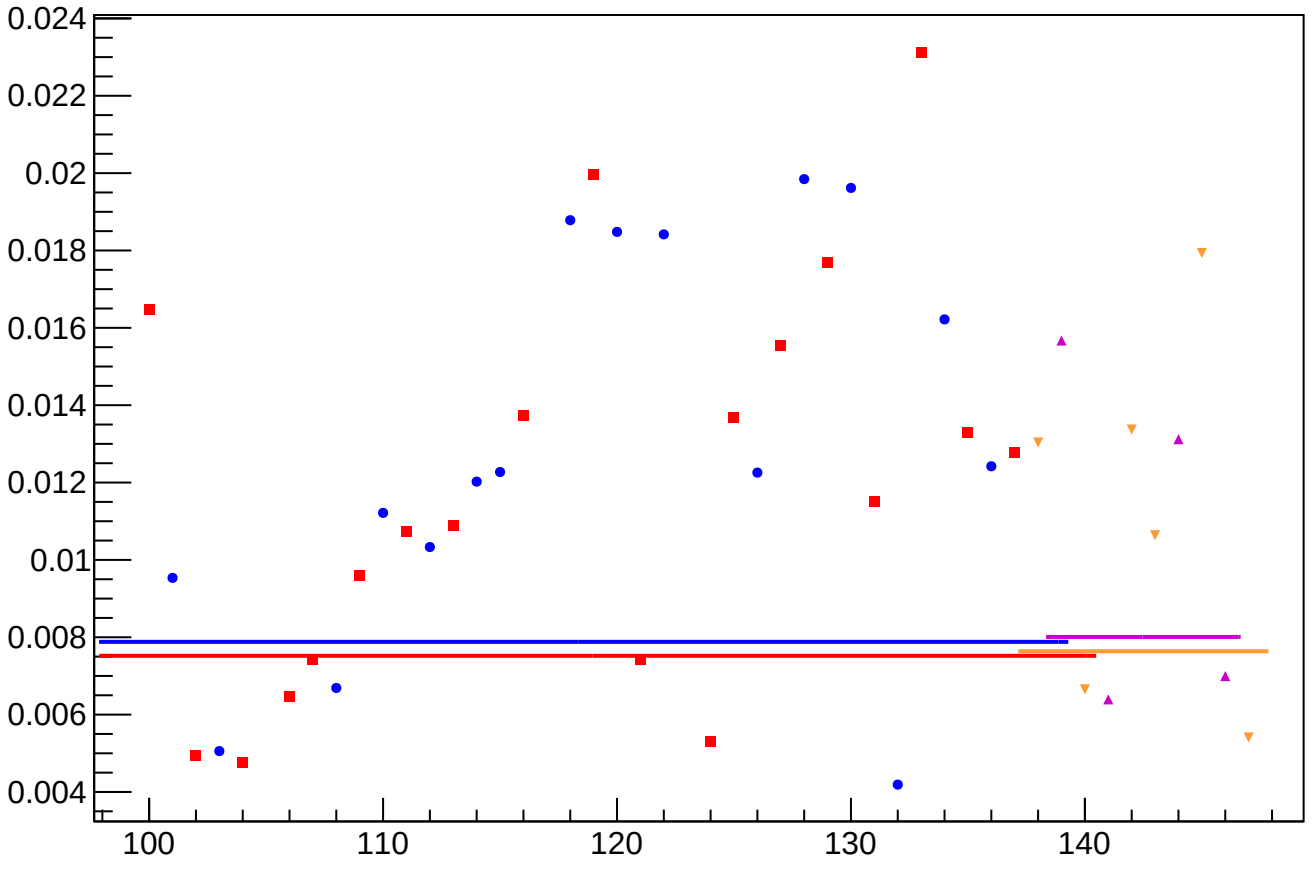
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/21

All: -0.000+/-0.000 χ^2/NDF: 56.7/44

- sign 0.000+/-0.000 χ^2/NDF: 22.0/22



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1355188.3/5

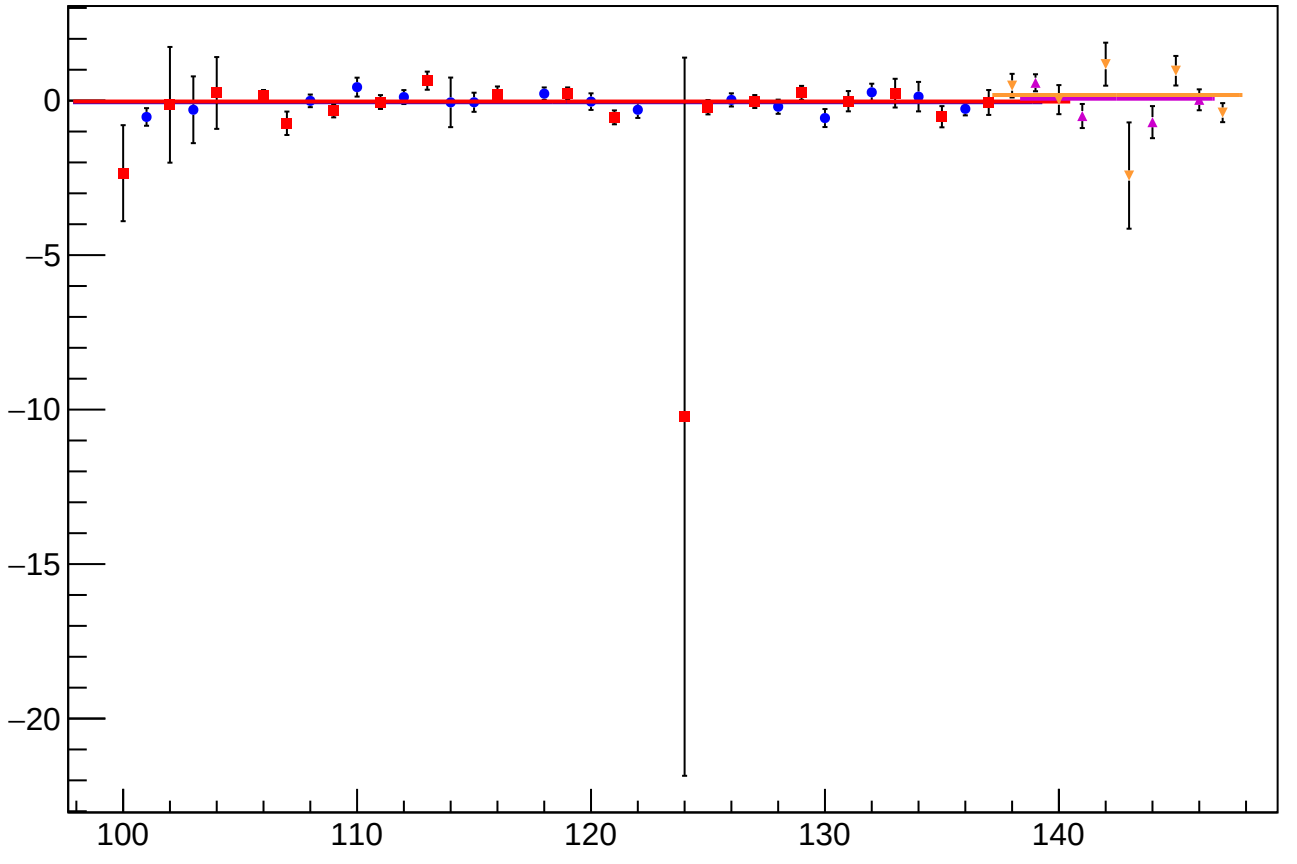
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:781412.2/3

+ sign 0.008+/-0.000 χ^2/NDF: 4661245.4/21

All: 0.008+/-0.000 χ^2/NDF: 8434339.8/44

- sign 0.008+/-0.000 χ^2/NDF: 3771299.8/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

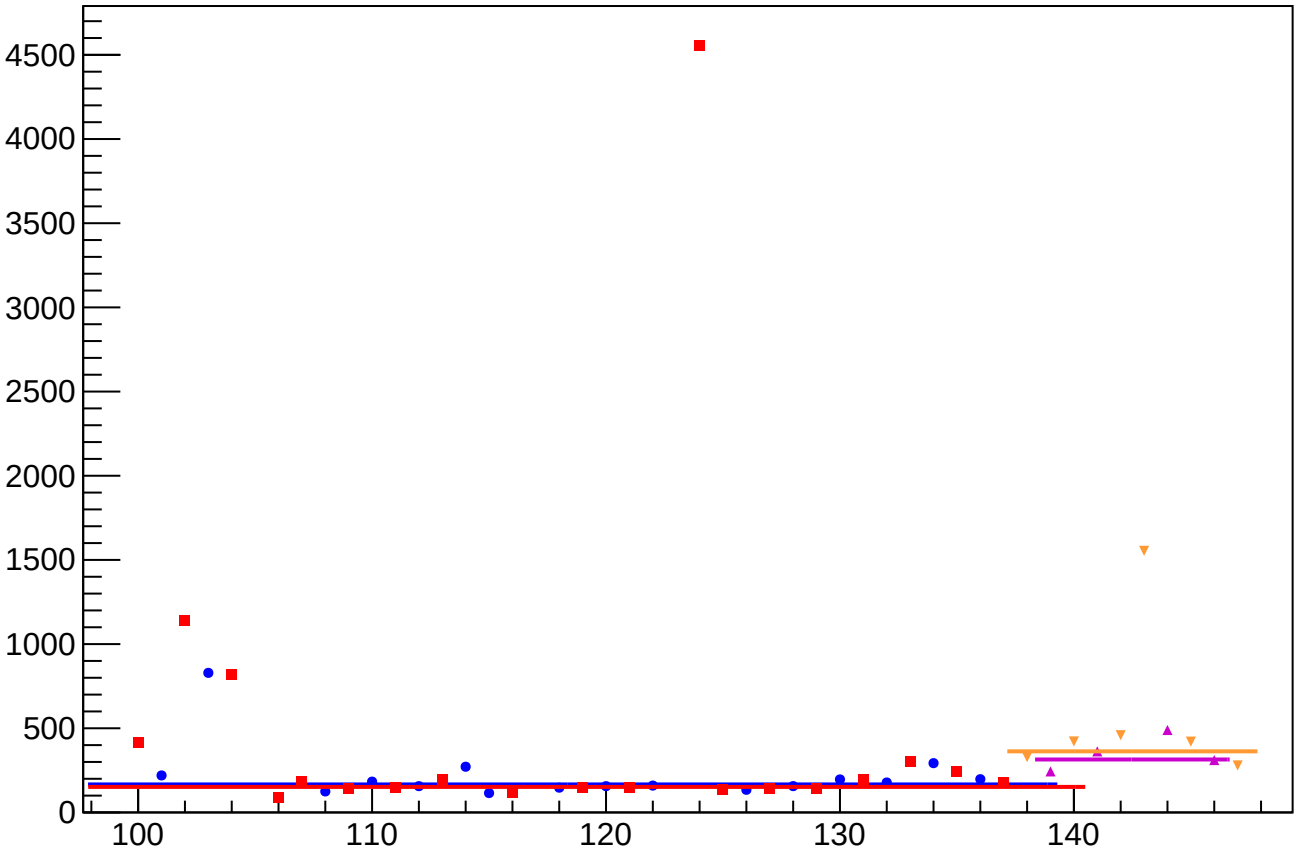
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.021+/-0.043 χ^2/NDF: 63.0/44

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 362.950+/-0.132 χ^2/NDF:1220930.5/5

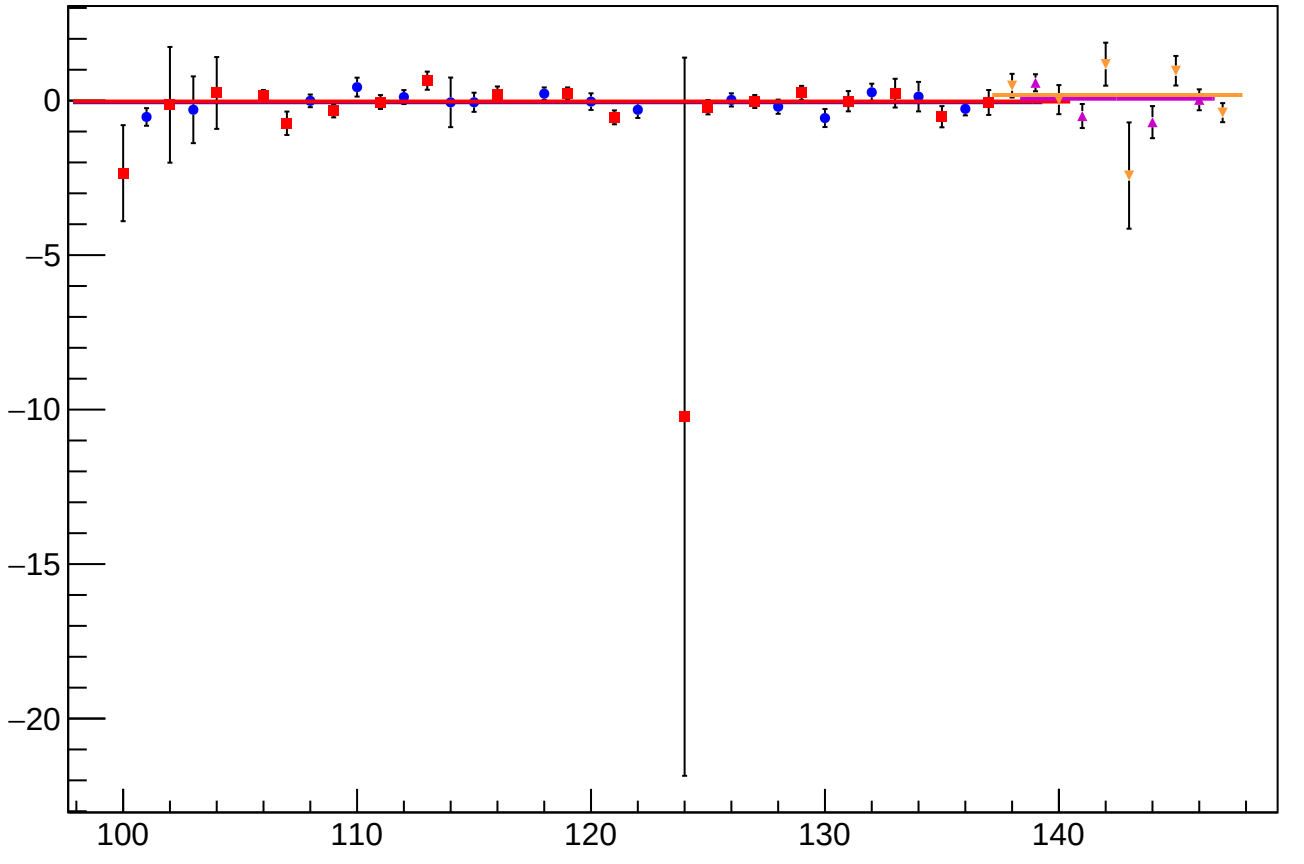
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

+ sign 188.603+/-0.044 χ^2/NDF: 4467869.5/21

All: 179.311+/-0.031 χ^2/NDF: 8767921.9/44

- sign 170.791+/-0.043 χ^2/NDF: 4216223.1/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

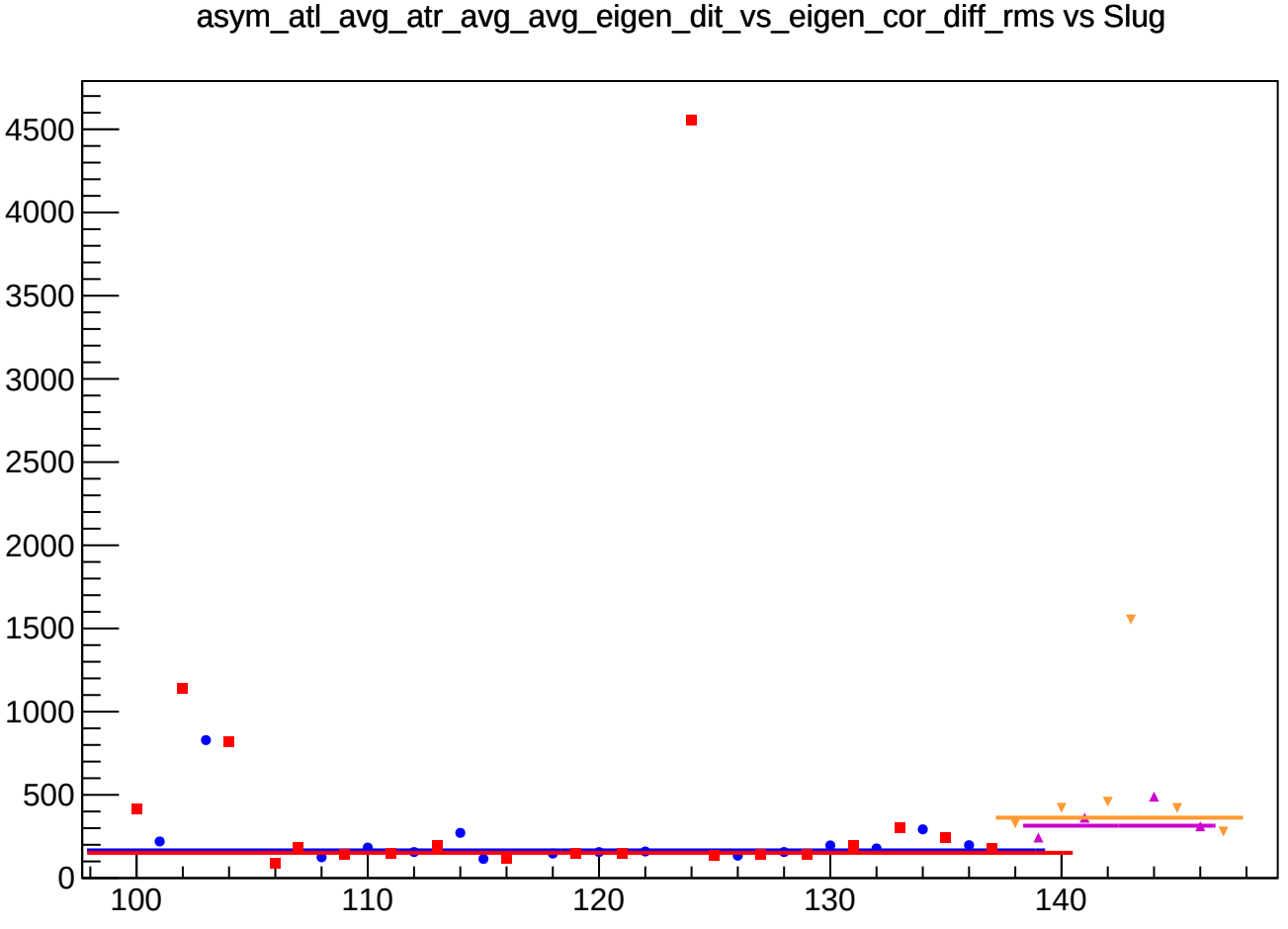
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.021+/-0.043 χ^2/NDF: 63.0/44

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 362.950+/-0.132 χ^2/NDF:1220930.5/5

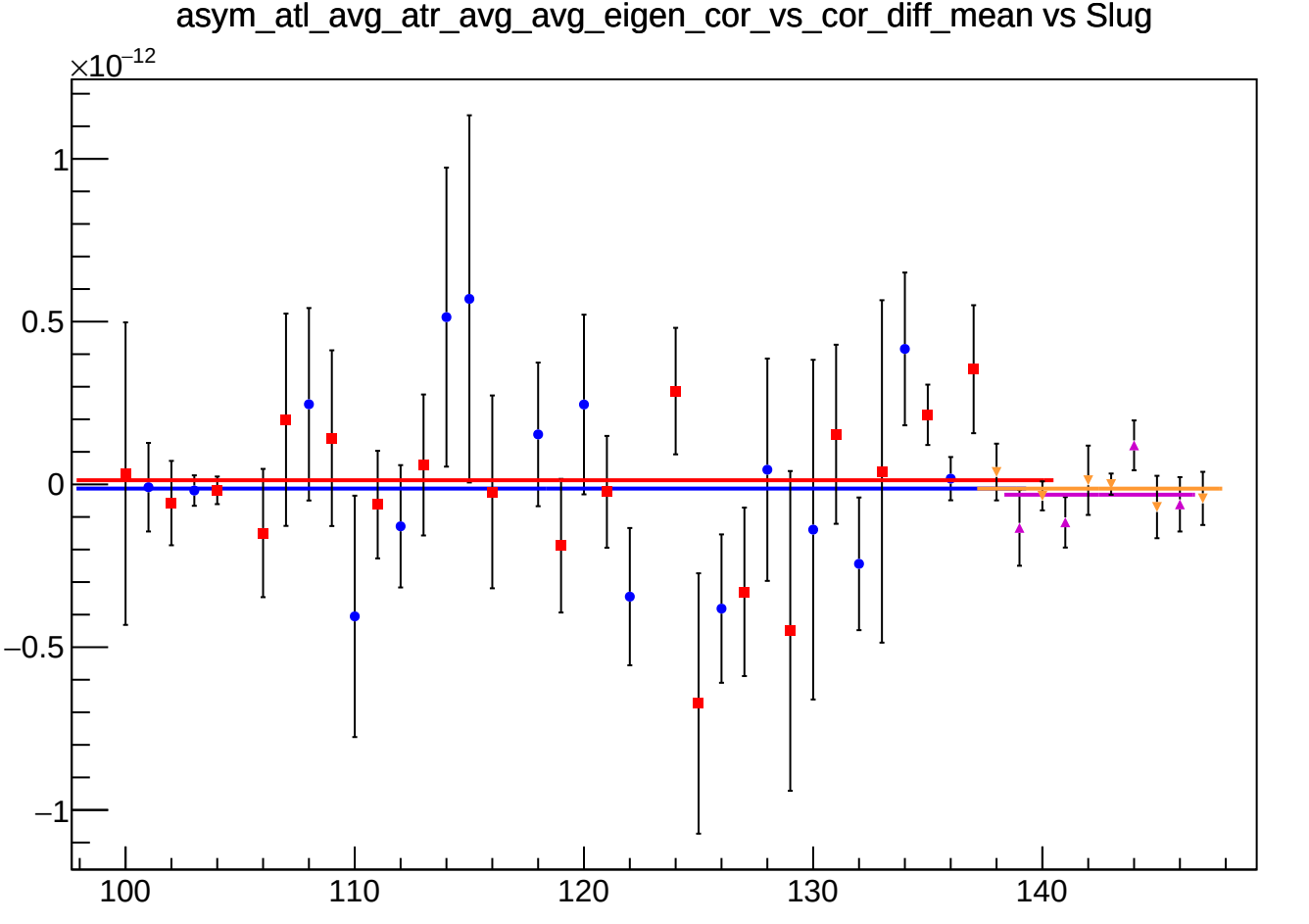
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

+ sign 188.603+/-0.044 χ^2/NDF: 4467869.5/21

All: 179.311+/-0.031 χ^2/NDF: 8767921.9/44

- sign 170.791+/-0.043 χ^2/NDF: 4216223.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

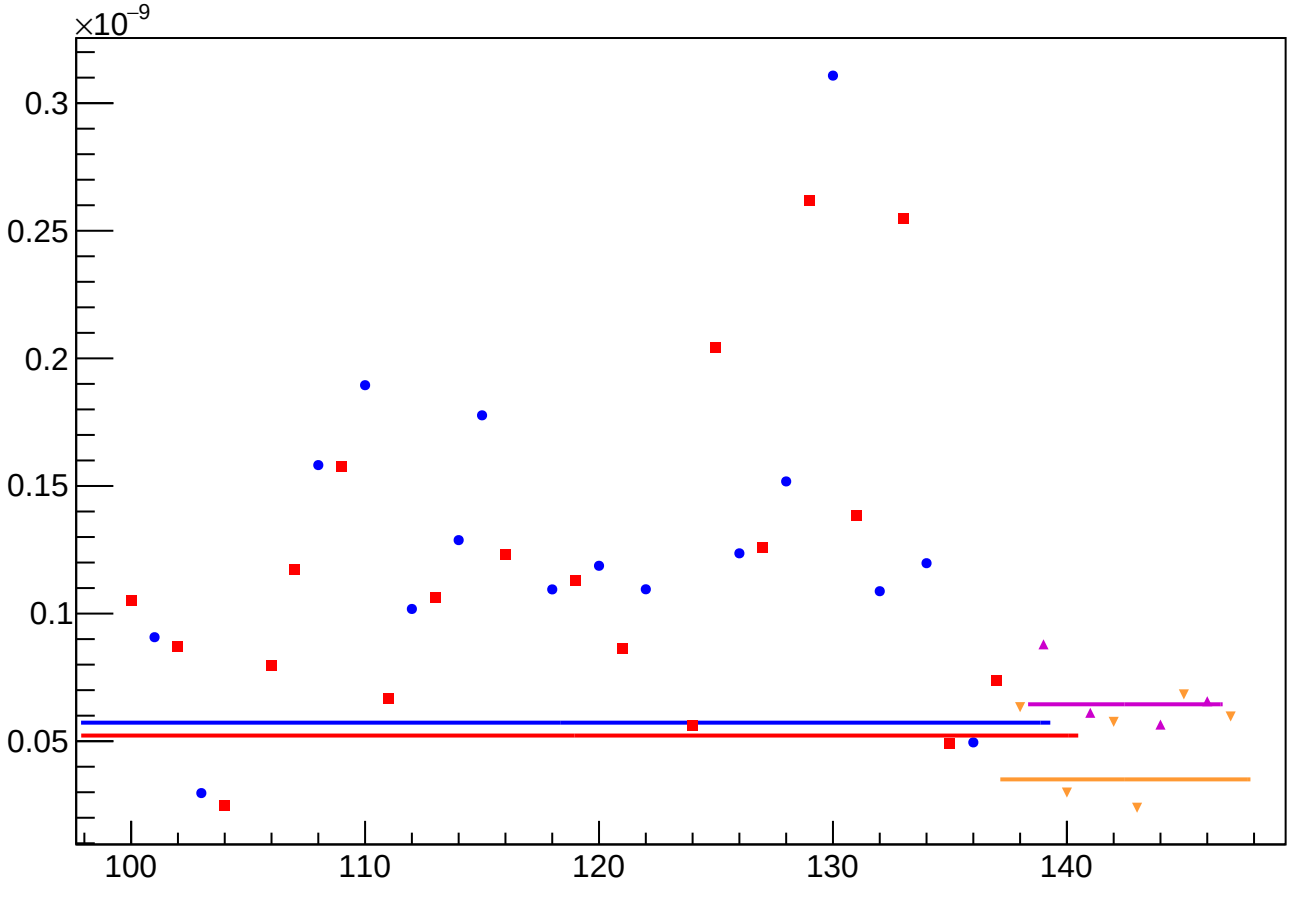
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.4/21

All: -0.000+/-0.000 χ^2/NDF: 43.1/44

- sign -0.000+/-0.000 χ^2/NDF: 25.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:982925.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

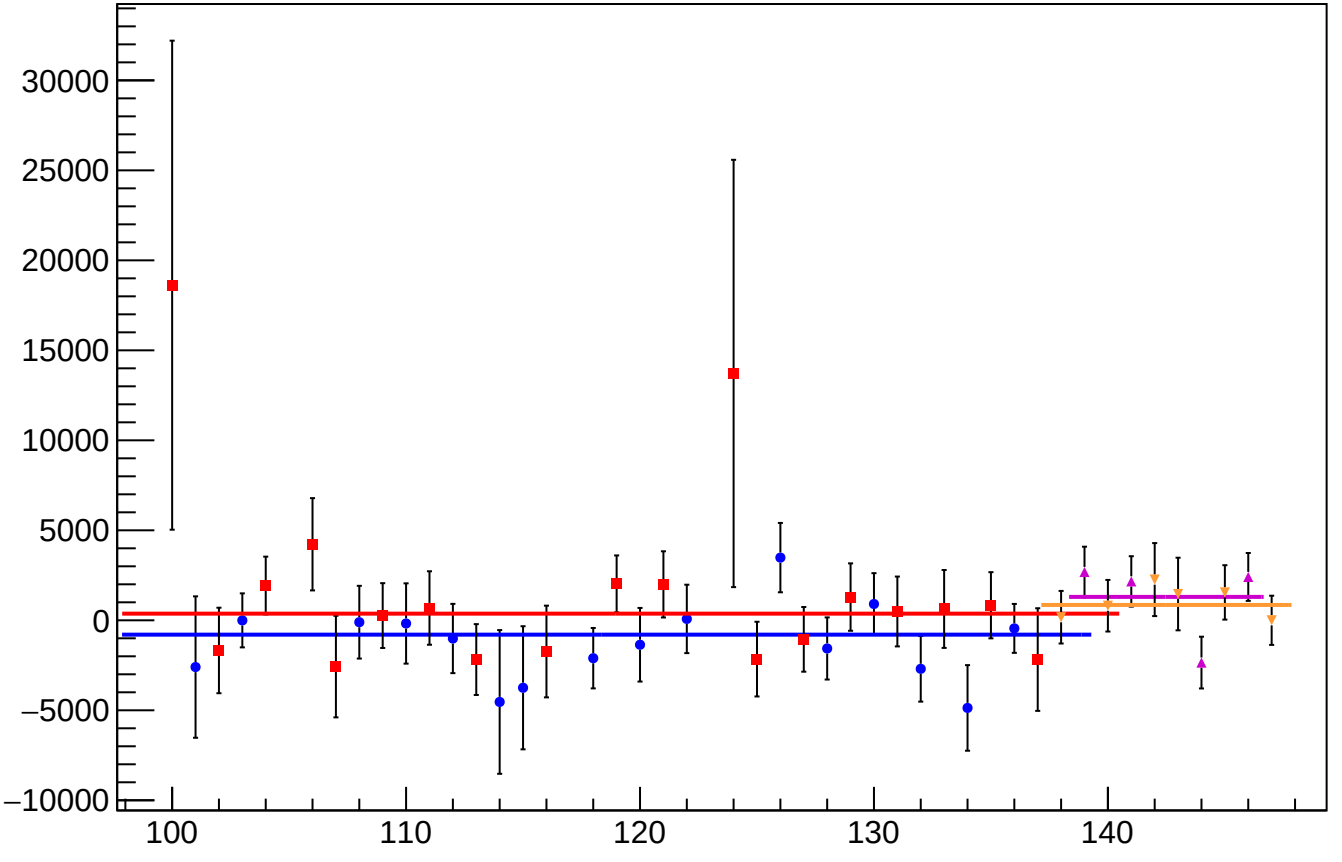
Left In: 0.000+/-0.000 χ^2/NDF:107157.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 4581838.5/21

All: 0.000+/-0.000 χ^2/NDF: 8496992.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3502198.2/22

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

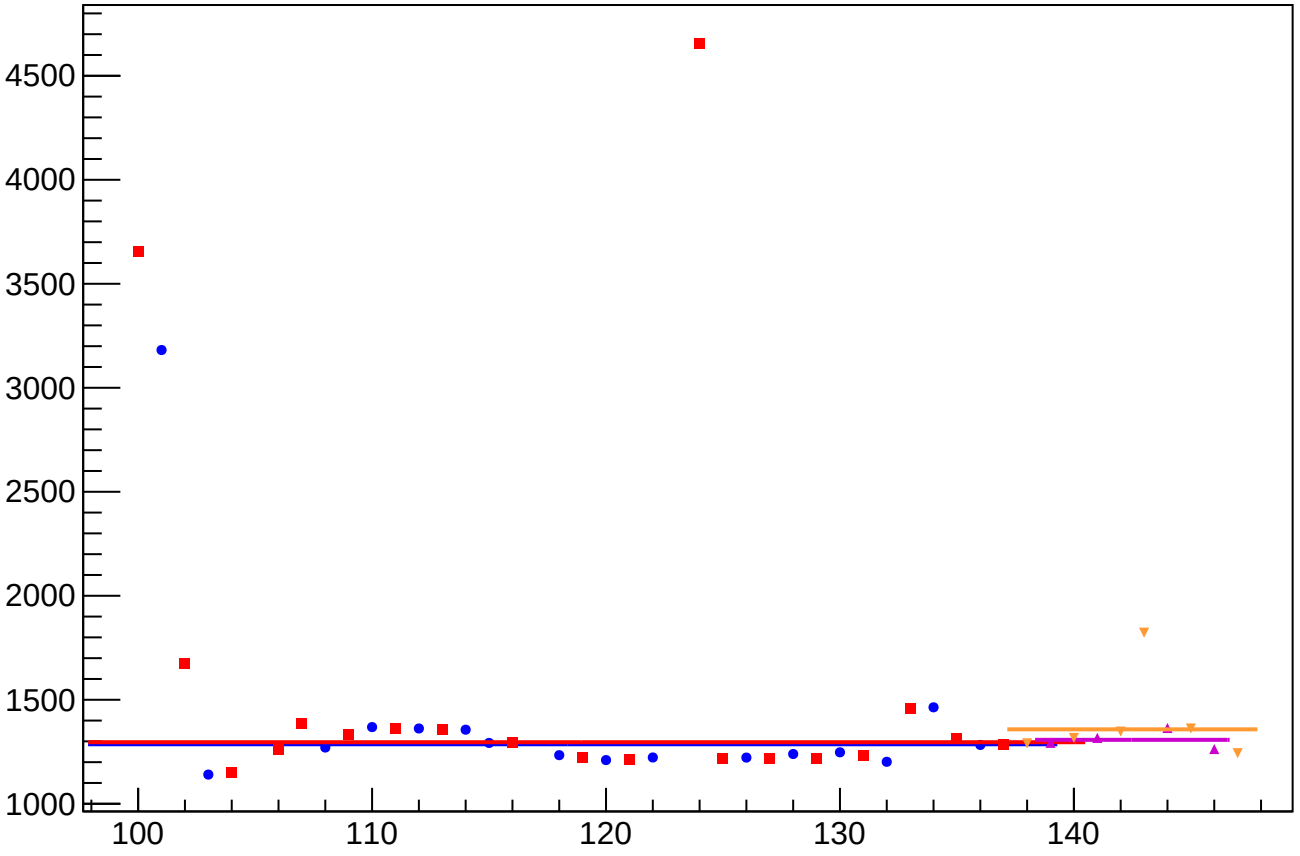
Left In: 1300.787+/-695.777 χ^2/NDF:8.5/3

+ sign -195.270+/-388.481 χ^2/NDF: 19.0/21

All: 229.009+/-278.115 χ^2/NDF: 46.7/44

- sign 675.077+/-398.331 χ^2/NDF: 25.3/22

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

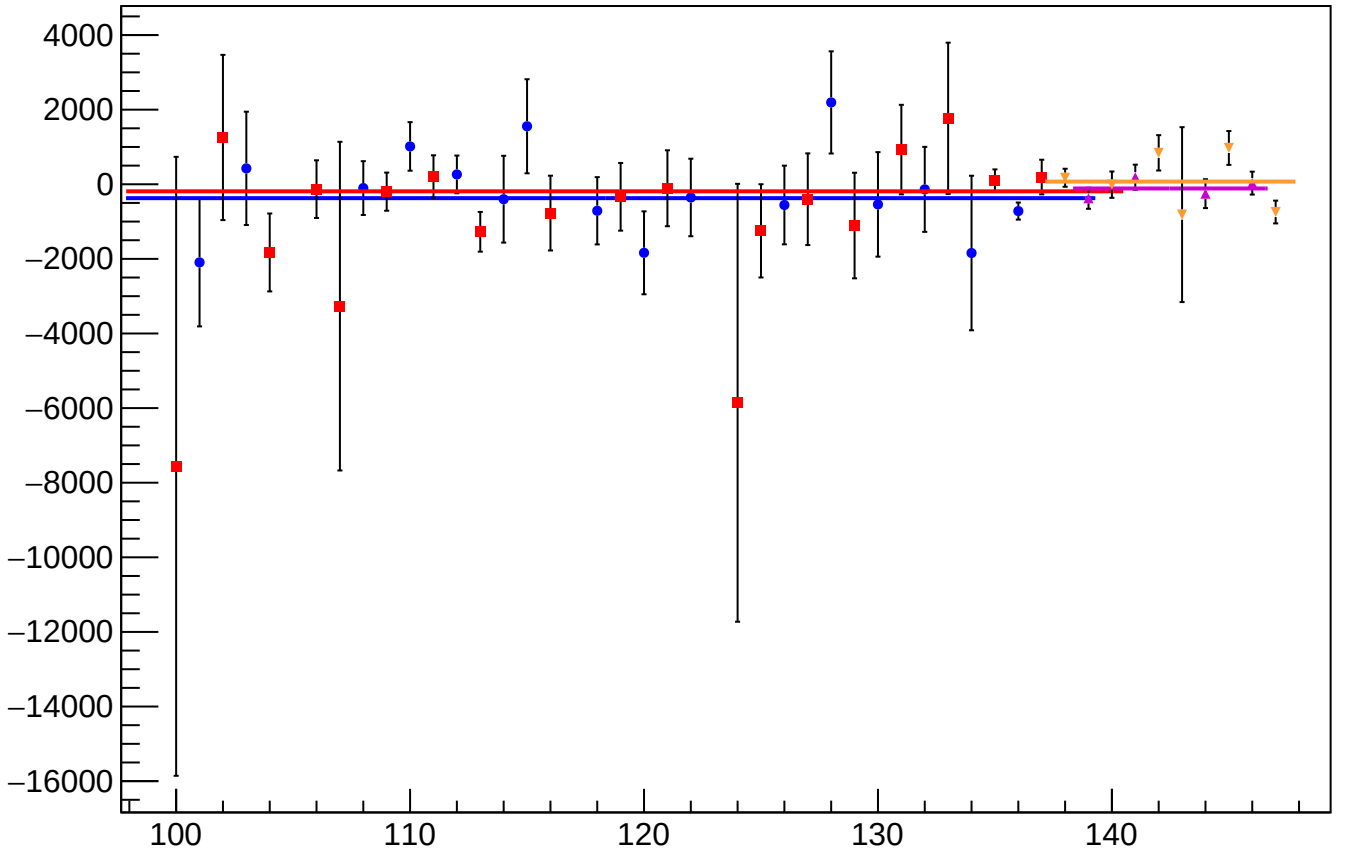
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660157.4/21

All: 1306.142+/-0.197 χ^2/NDF: 995248.4/44

- sign 1299.699+/-0.282 χ^2/NDF: 334070.0/22



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 71.773+/-148.385 χ^2/NDF:14.1/5

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

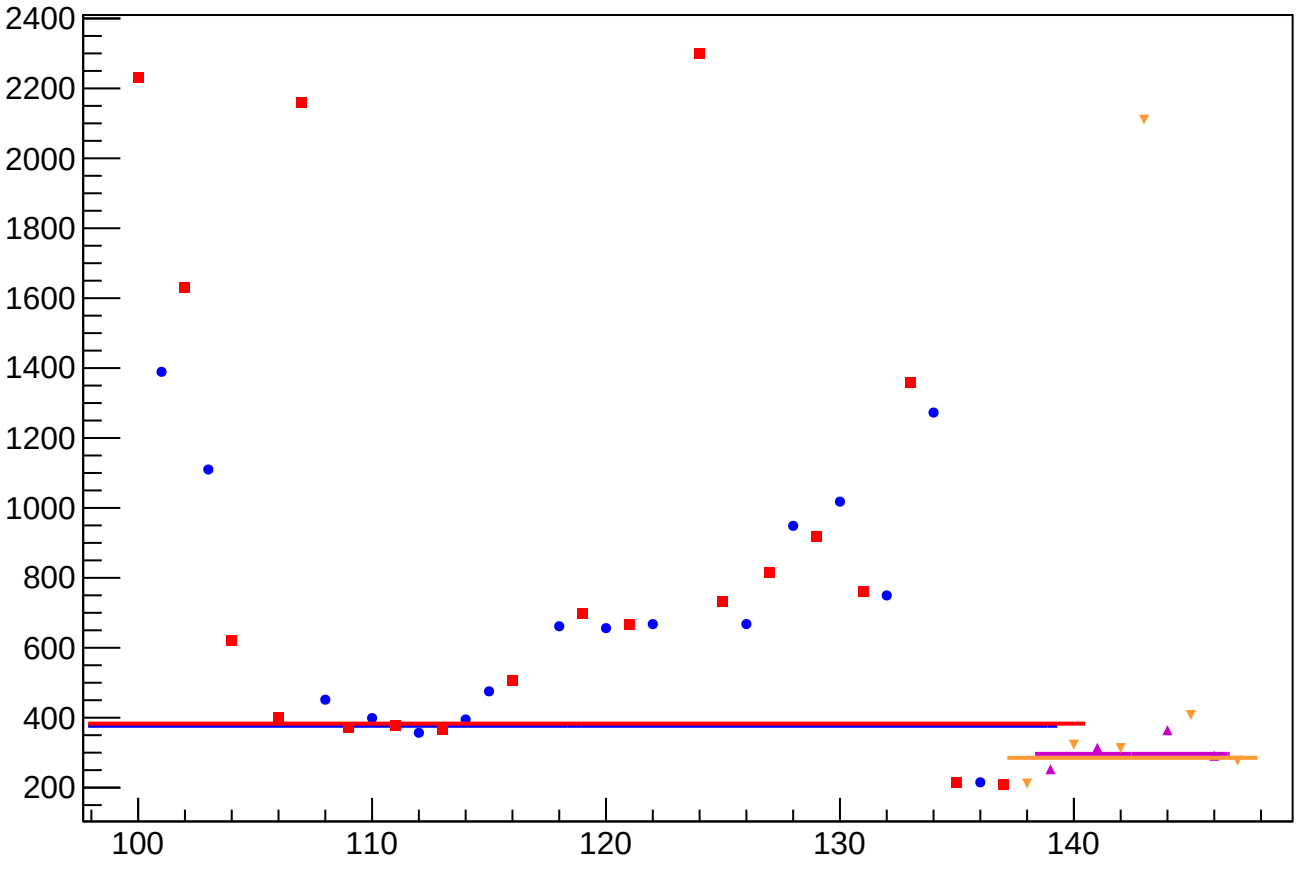
Left In: -112.952+/-160.733 χ^2/NDF:2.0/3

+ sign -122.584+/-111.275 χ^2/NDF: 36.2/21

All: -135.129+/-80.518 χ^2/NDF: 53.0/44

- sign -148.916+/-116.656 χ^2/NDF: 16.8/22

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 285.205+/-0.105 χ^2/NDF:1575201.5/5

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

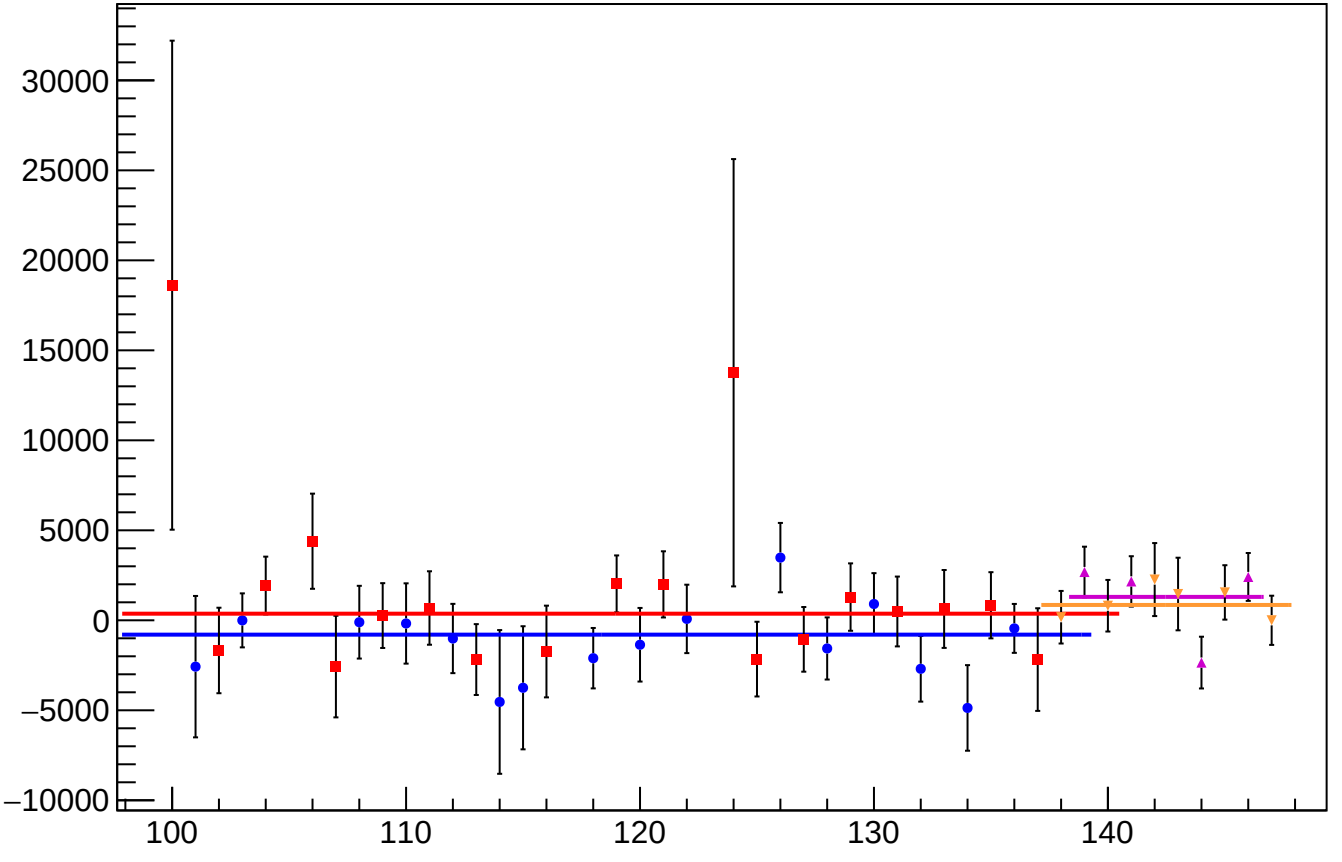
Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

+ sign 325.332+/-0.079 χ^2/NDF: 6099584.5/21

All: 331.123+/-0.057 χ^2/NDF: 10555220.3/44

- sign 337.489+/-0.082 χ^2/NDF: 4444262.7/22

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

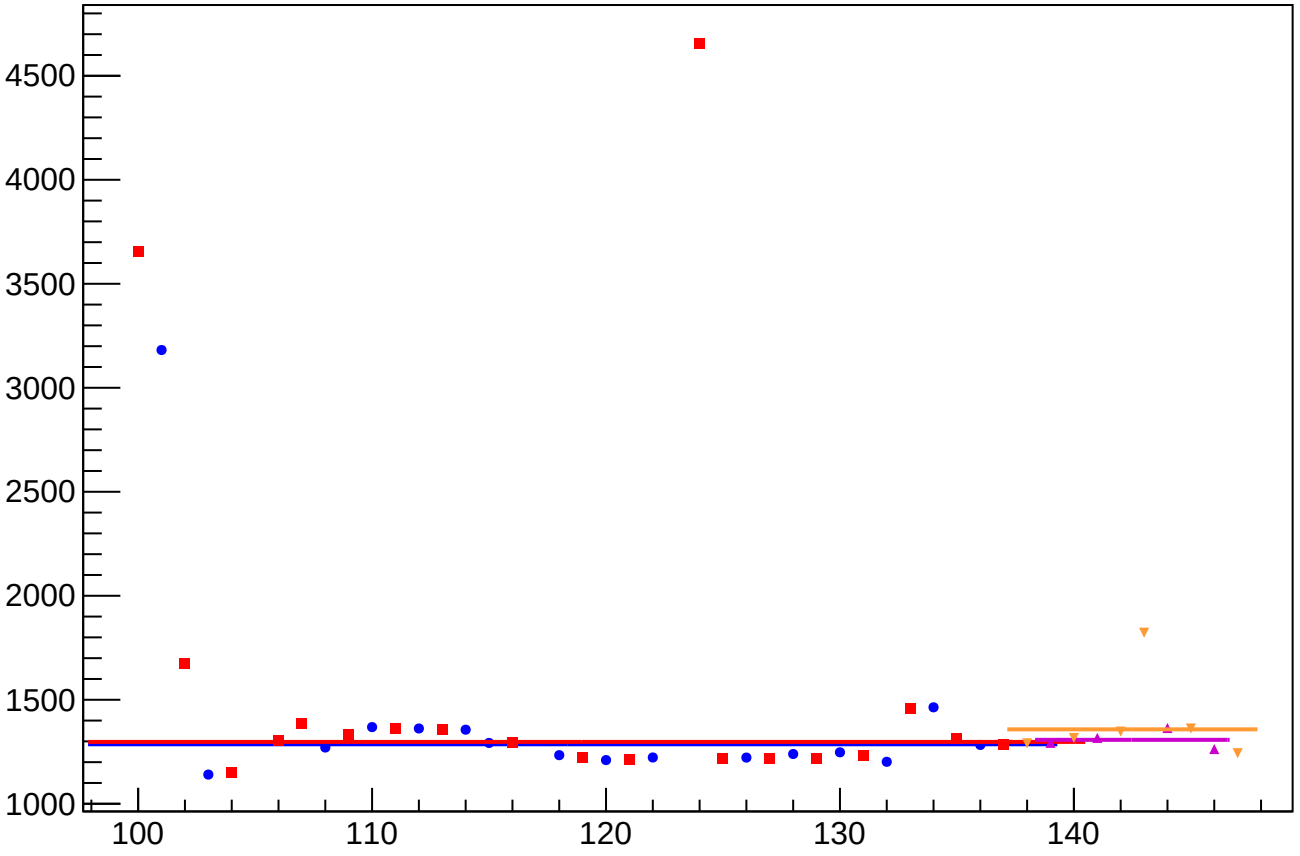
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 228.233+/-278.213 χ^2/NDF: 46.8/44

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

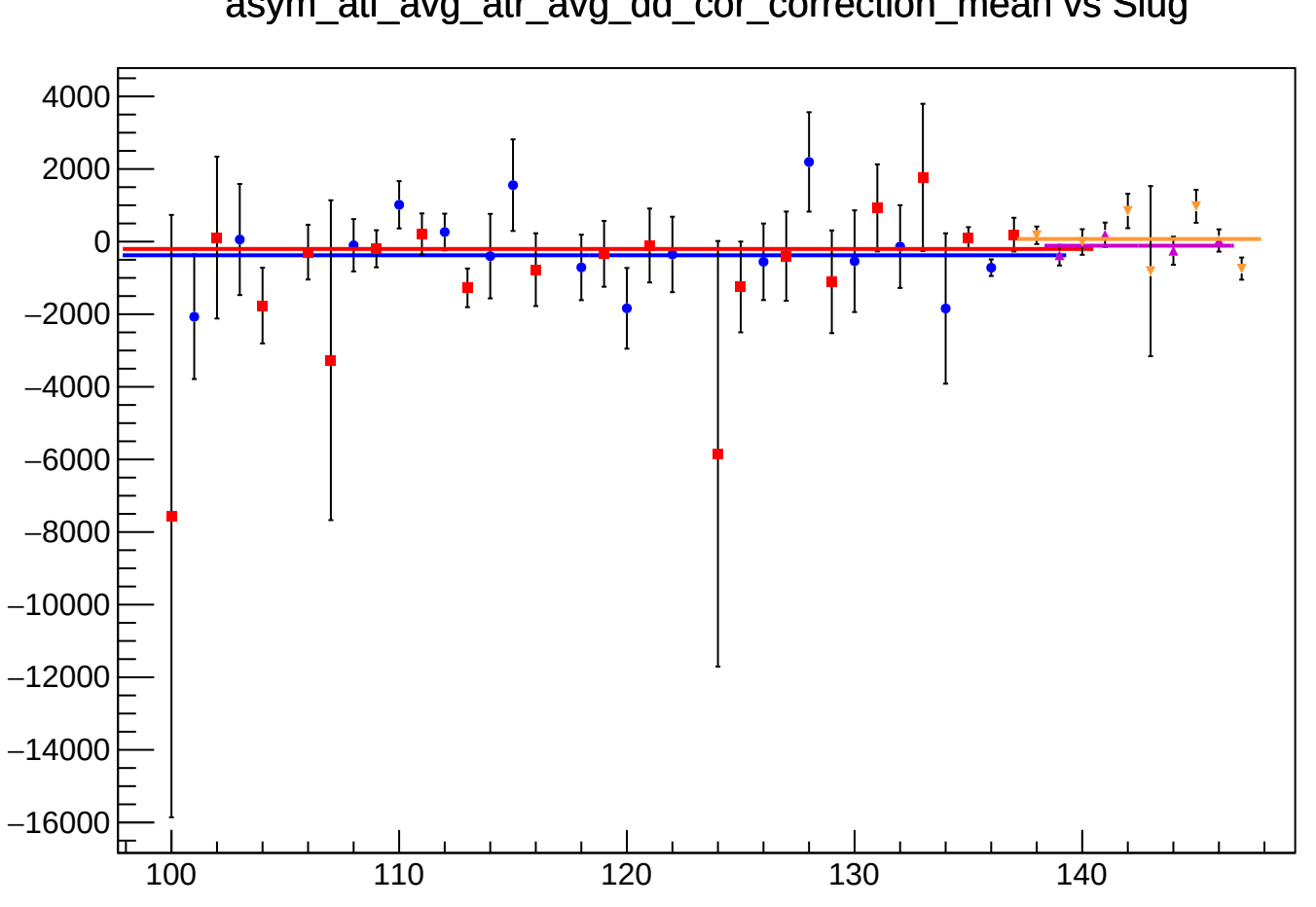
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

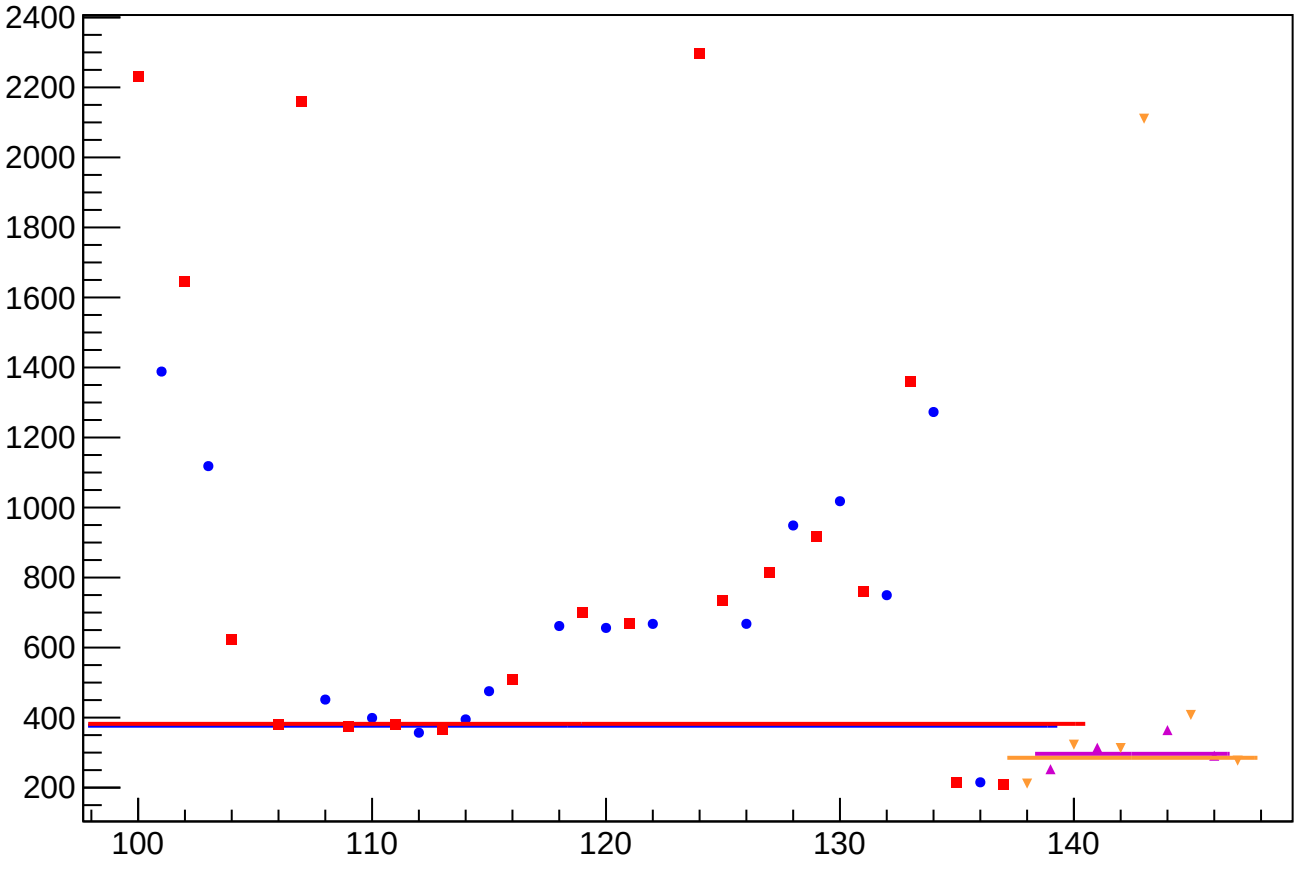
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -139.146+/-80.500 χ^2/NDF: 52.3/44

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

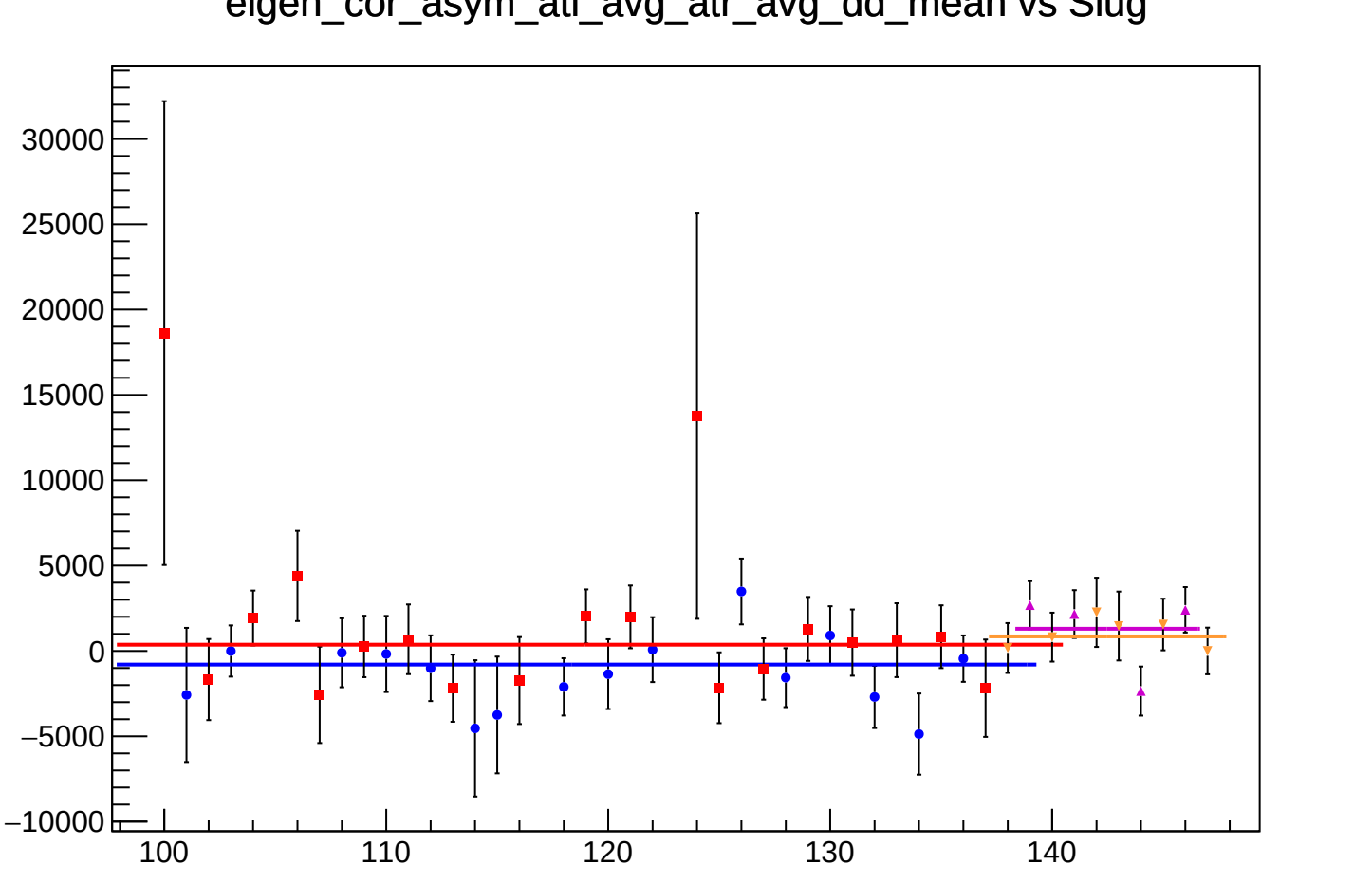
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

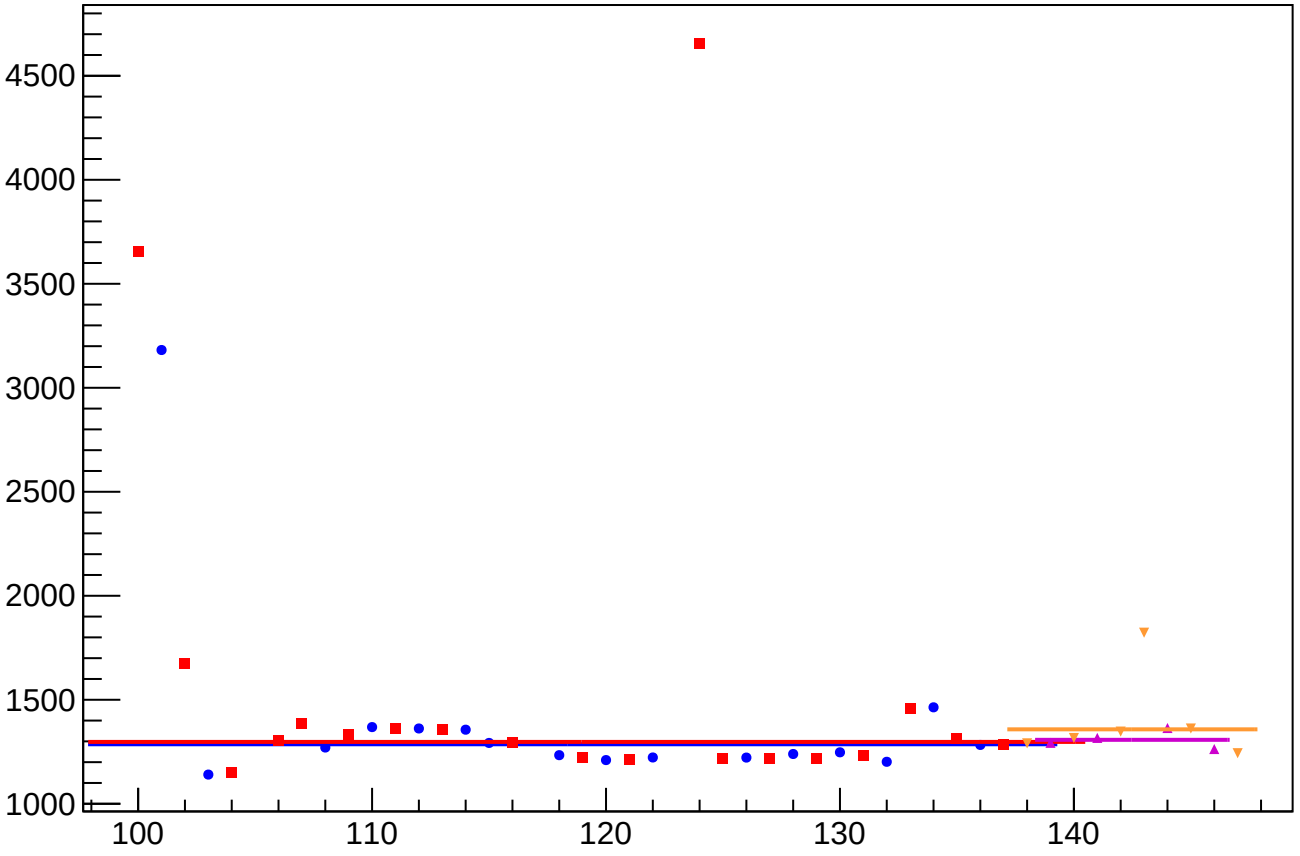
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 228.233+/-278.213 χ^2/NDF: 46.8/44

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

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: 1357.833+/-0.455 χ^2/NDF:126226.9/5

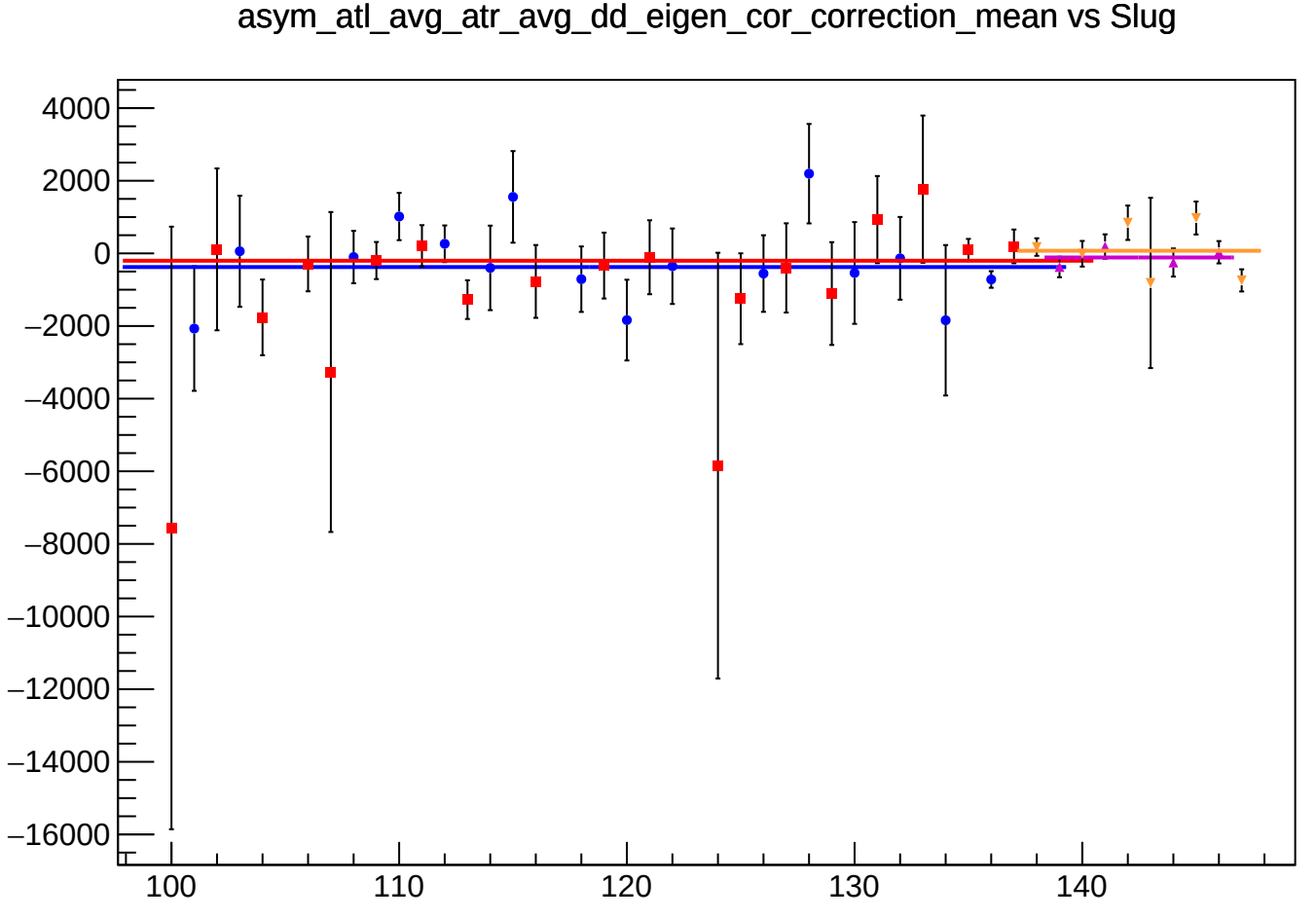
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

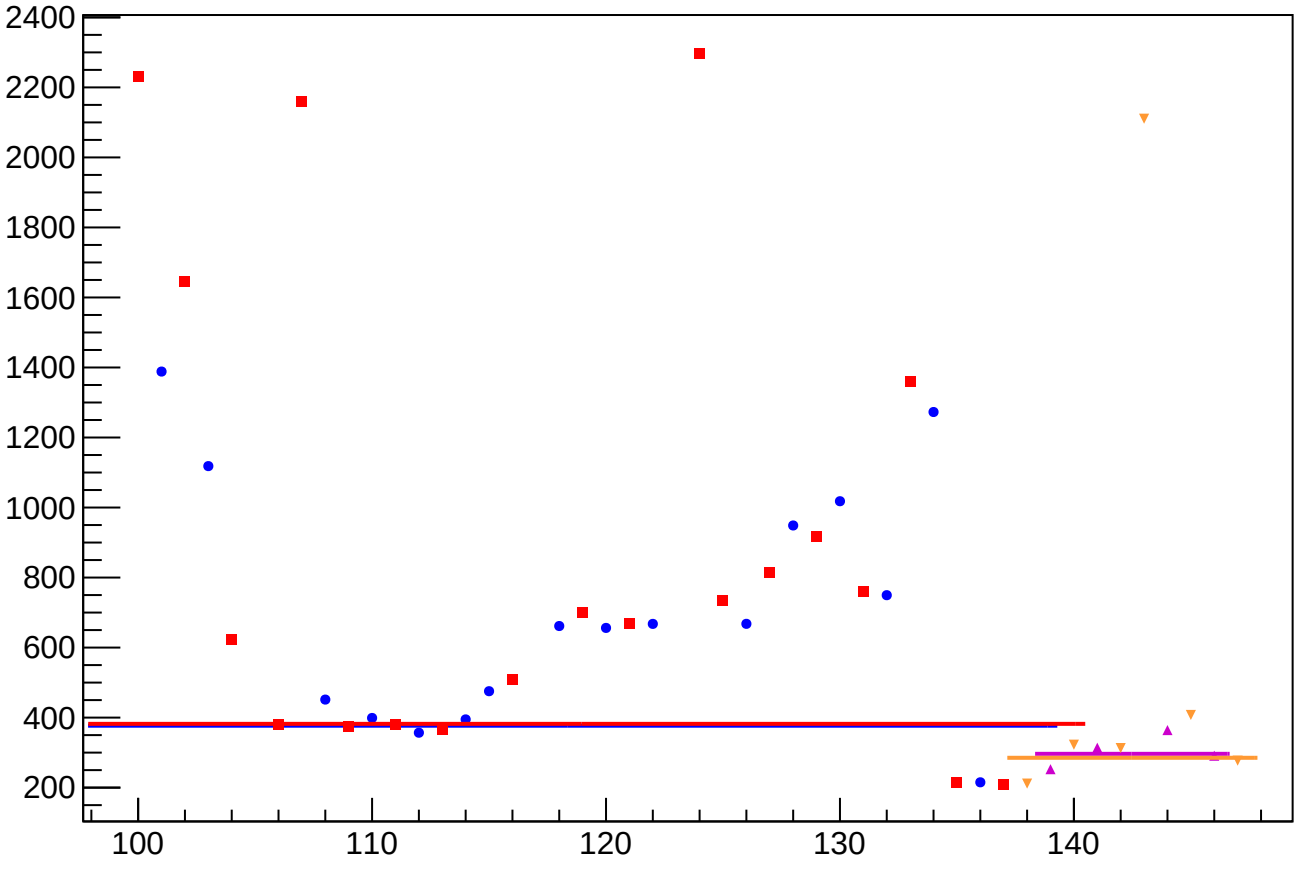
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -139.146+/-80.500 χ^2/NDF: 52.3/44

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

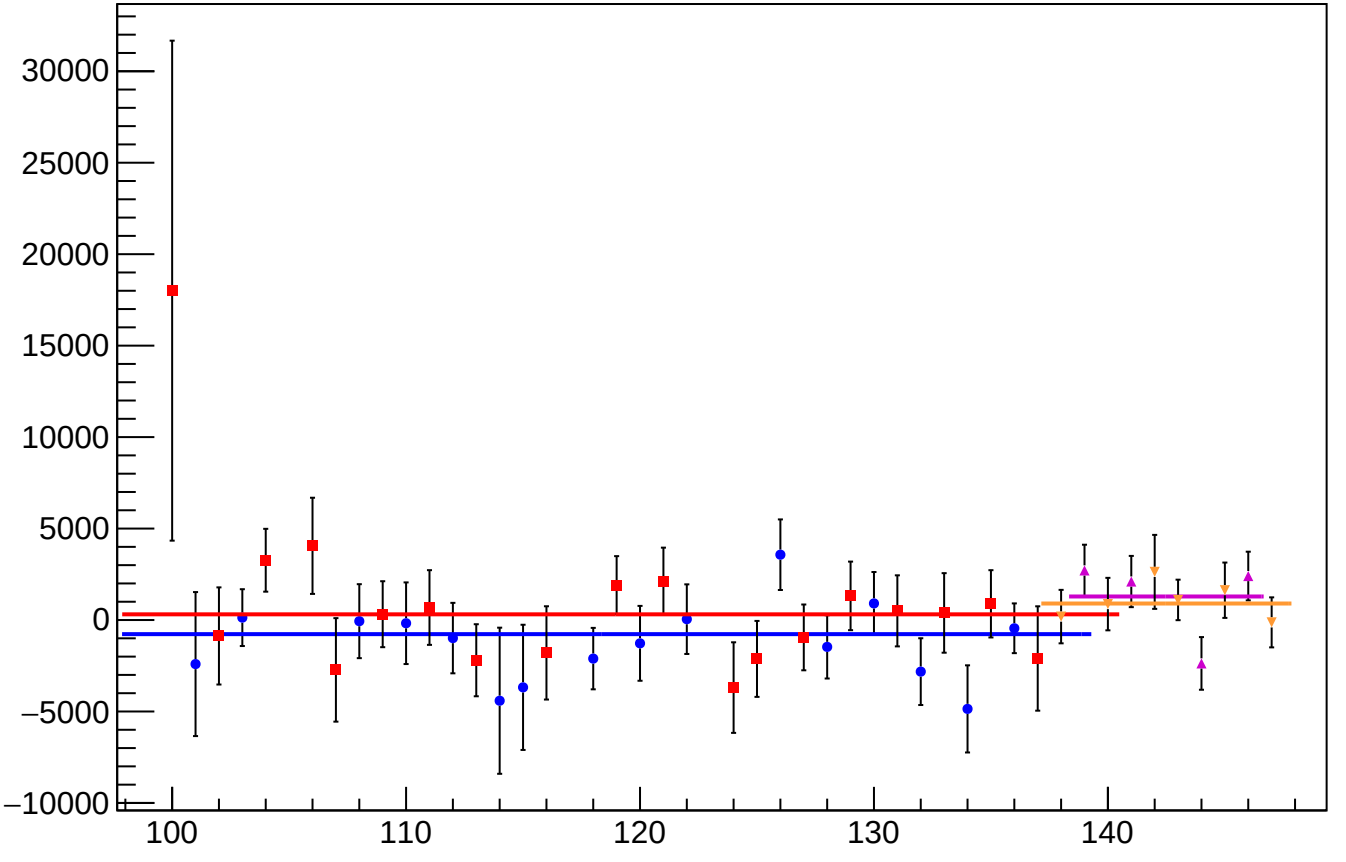
Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.435+/-578.635 χ^2/NDF:1.8/5

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

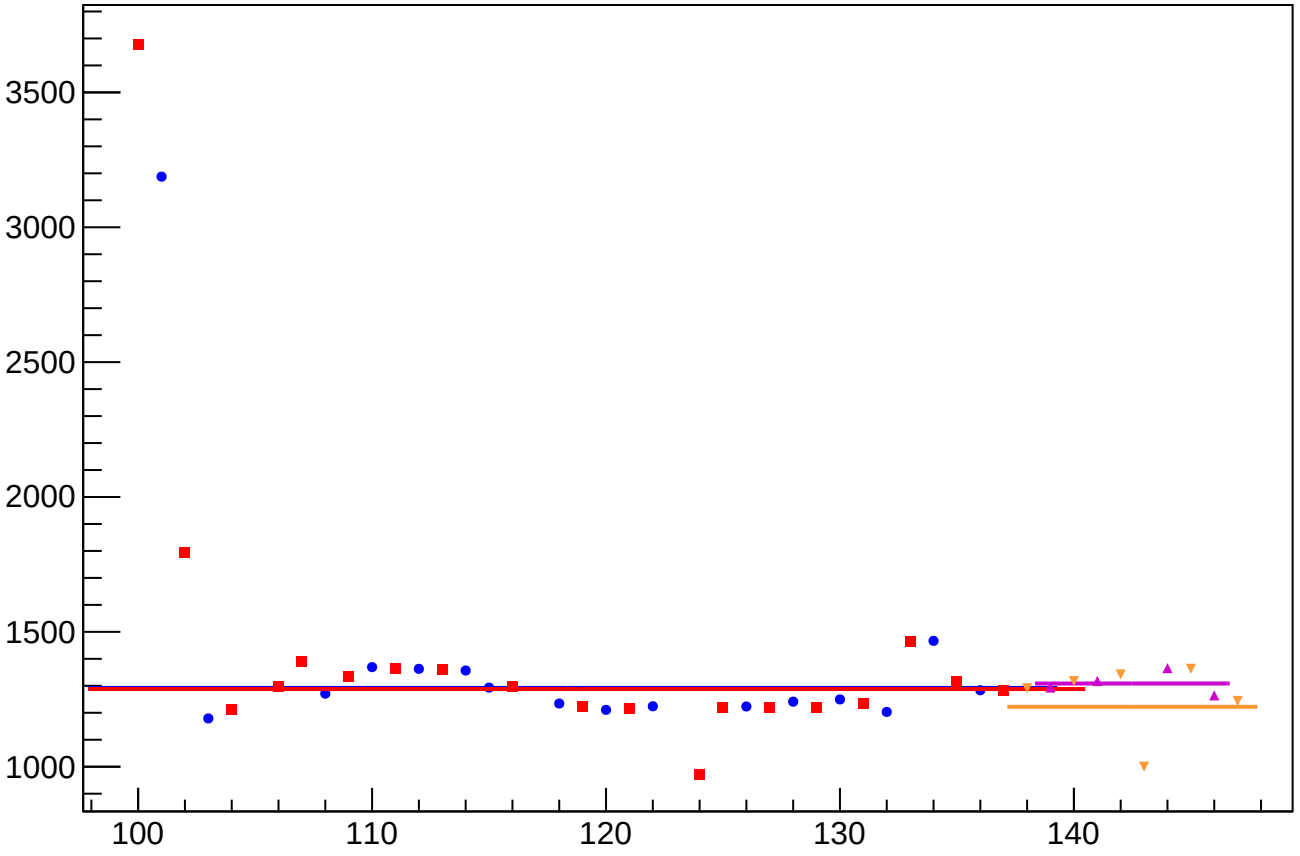
Left In: 1287.022+/-696.377 χ^2/NDF:8.5/3

+ sign -73.085+/-373.760 χ^2/NDF: 20.3/21

All: 256.612+/-272.031 χ^2/NDF: 49.7/44

- sign 627.988+/-396.682 χ^2/NDF: 27.8/22

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

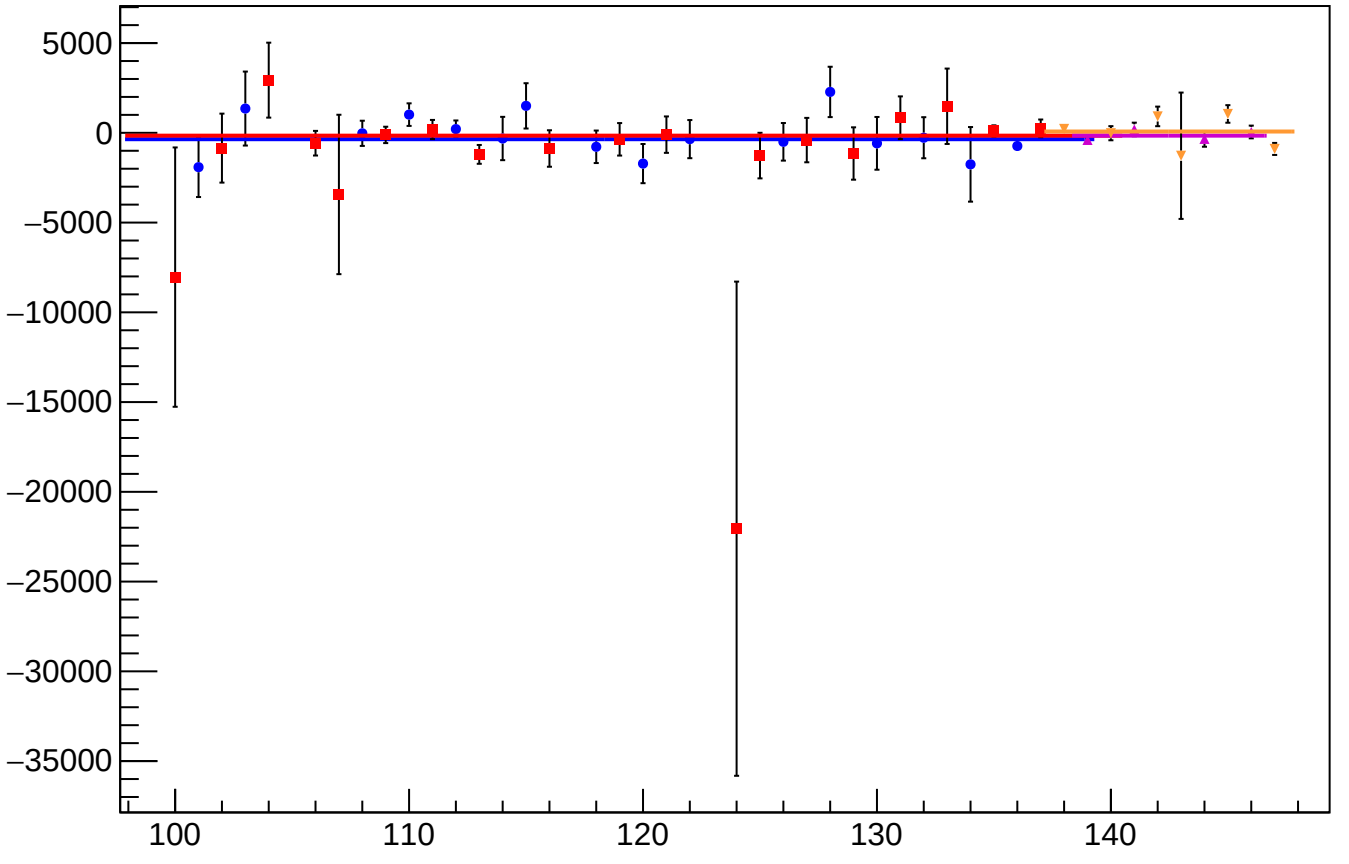
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1262.857+/-0.264 χ^2/NDF: 644812.4/21

All: 1277.809+/-0.192 χ^2/NDF: 867638.1/44

- sign 1294.651+/-0.280 χ^2/NDF: 216019.9/22



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

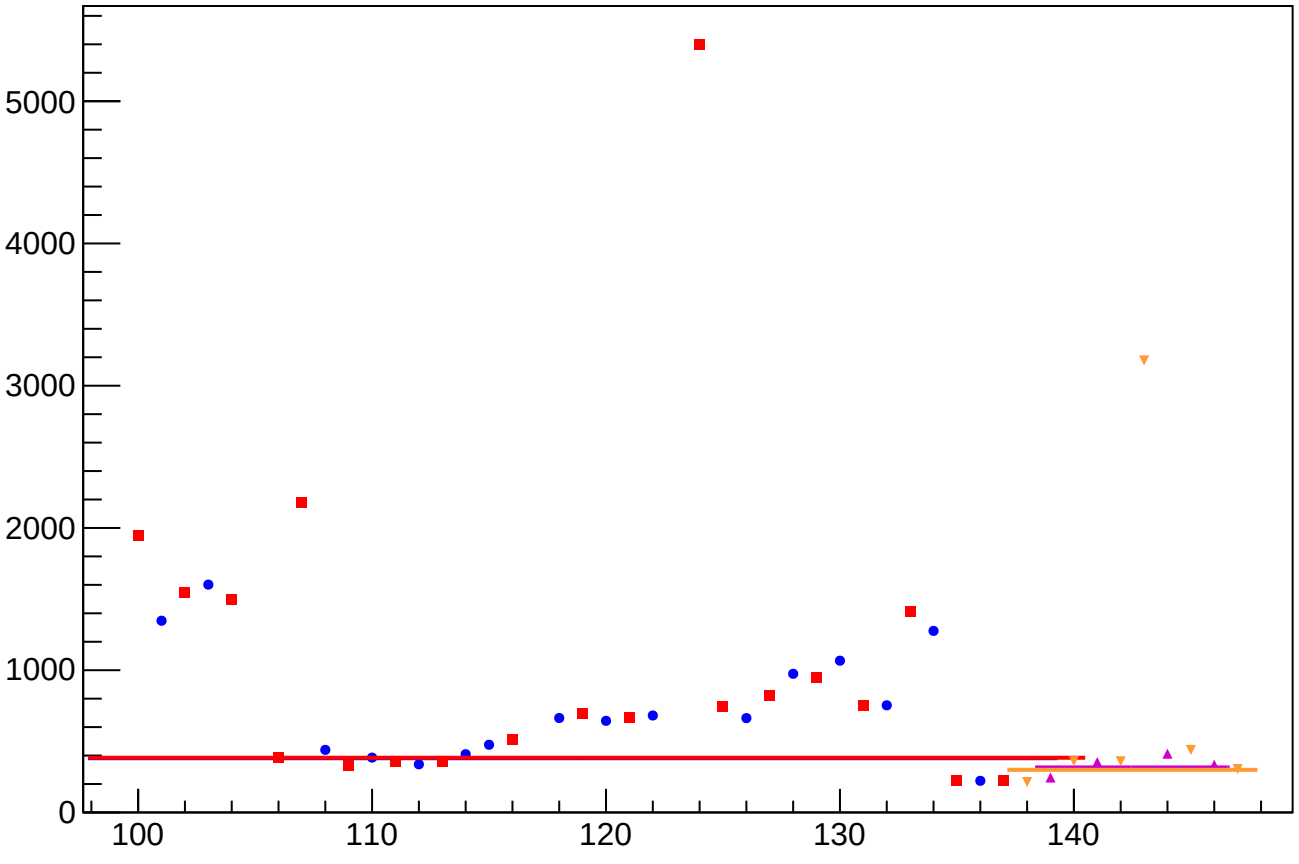
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.571 χ^2/NDF:2.1/3

\+ sign -126.191+/-115.900 χ^2/NDF: 37.2/21

All: -141.076+/-83.807 χ^2/NDF: 55.1/44

\- sign -157.388+/-121.328 χ^2/NDF: 17.9/22



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

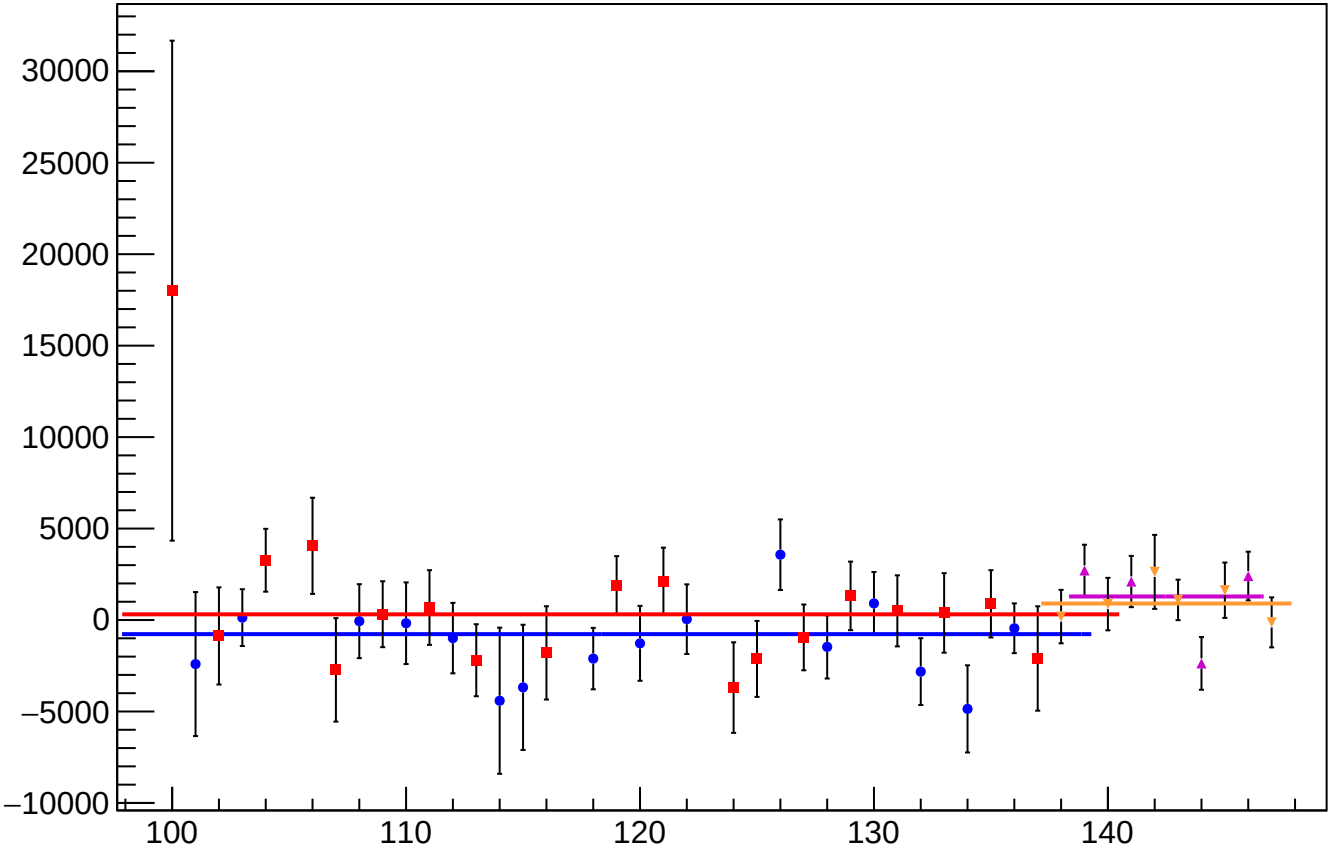
Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

+ sign 337.671+/-0.082 χ^2/NDF: 6386360.8/21

All: 344.225+/-0.059 χ^2/NDF: 11370616.6/44

- sign 351.407+/-0.086 χ^2/NDF: 4970852.5/22

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: 902.436+/-578.636 χ^2/NDF:1.8/5

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

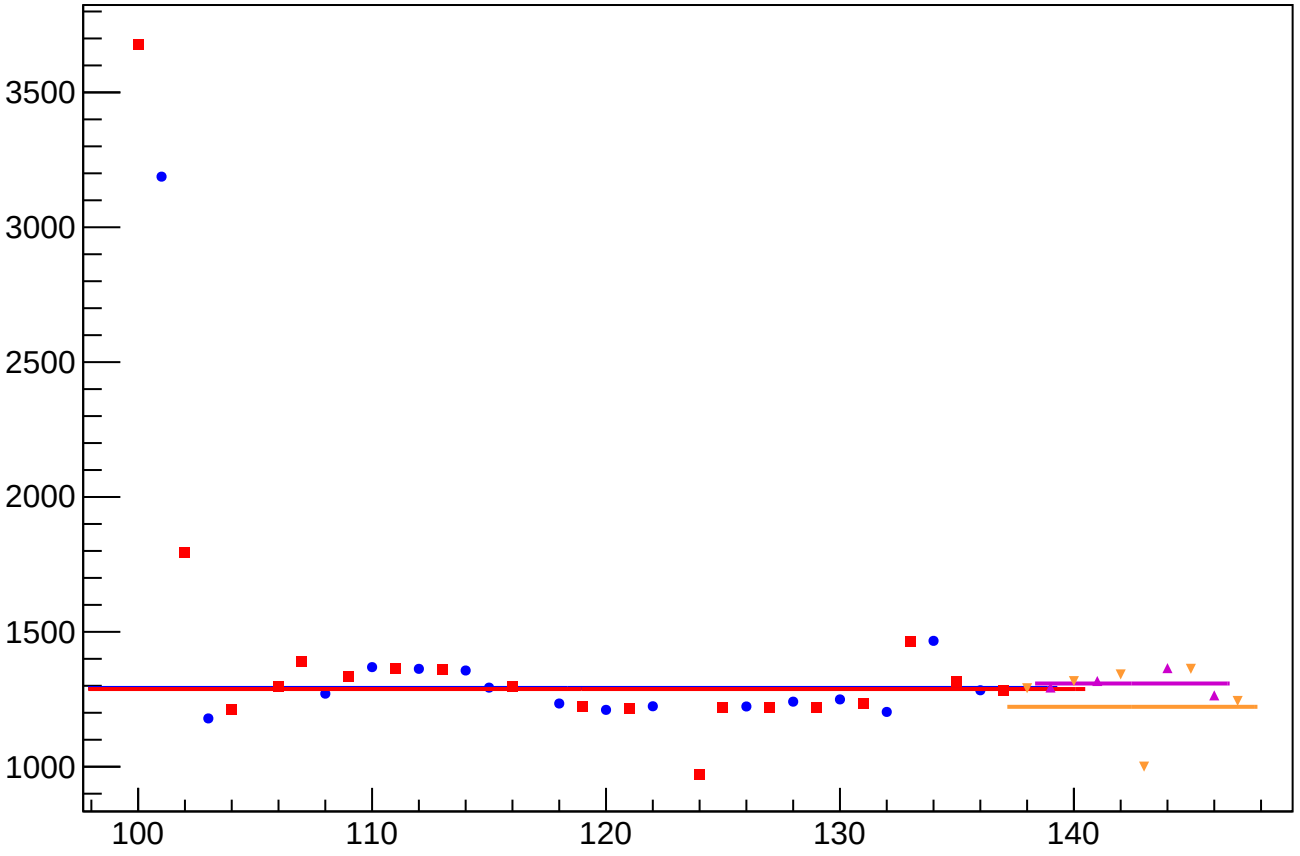
Left In: 1287.017+/-696.377 χ^2/NDF:8.5/3

+ sign -73.086+/-373.760 χ^2/NDF: 20.3/21

All: 256.611+/-272.031 χ^2/NDF: 49.7/44

- sign 627.987+/-396.682 χ^2/NDF: 27.8/22

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: 1222.099+/-0.409 χ^2/NDF:118377.7/5

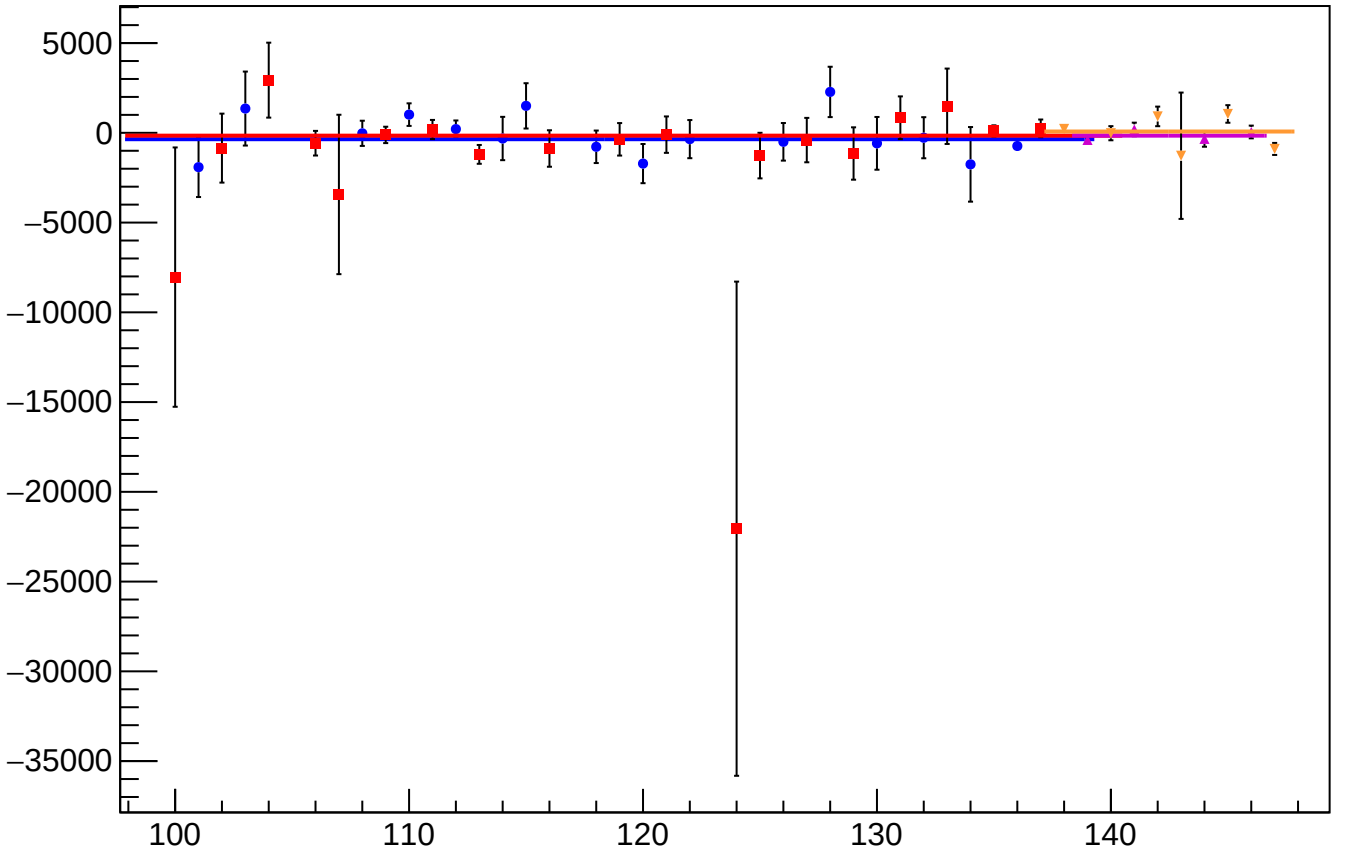
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

\+ sign 1262.858+/-0.264 χ^2/NDF: 644811.4/21

All: 1277.809+/-0.192 χ^2/NDF: 867637.4/44

\- sign 1294.651+/-0.280 χ^2/NDF: 216020.2/22



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 72.844+/-158.455 χ^2/NDF:15.3/5

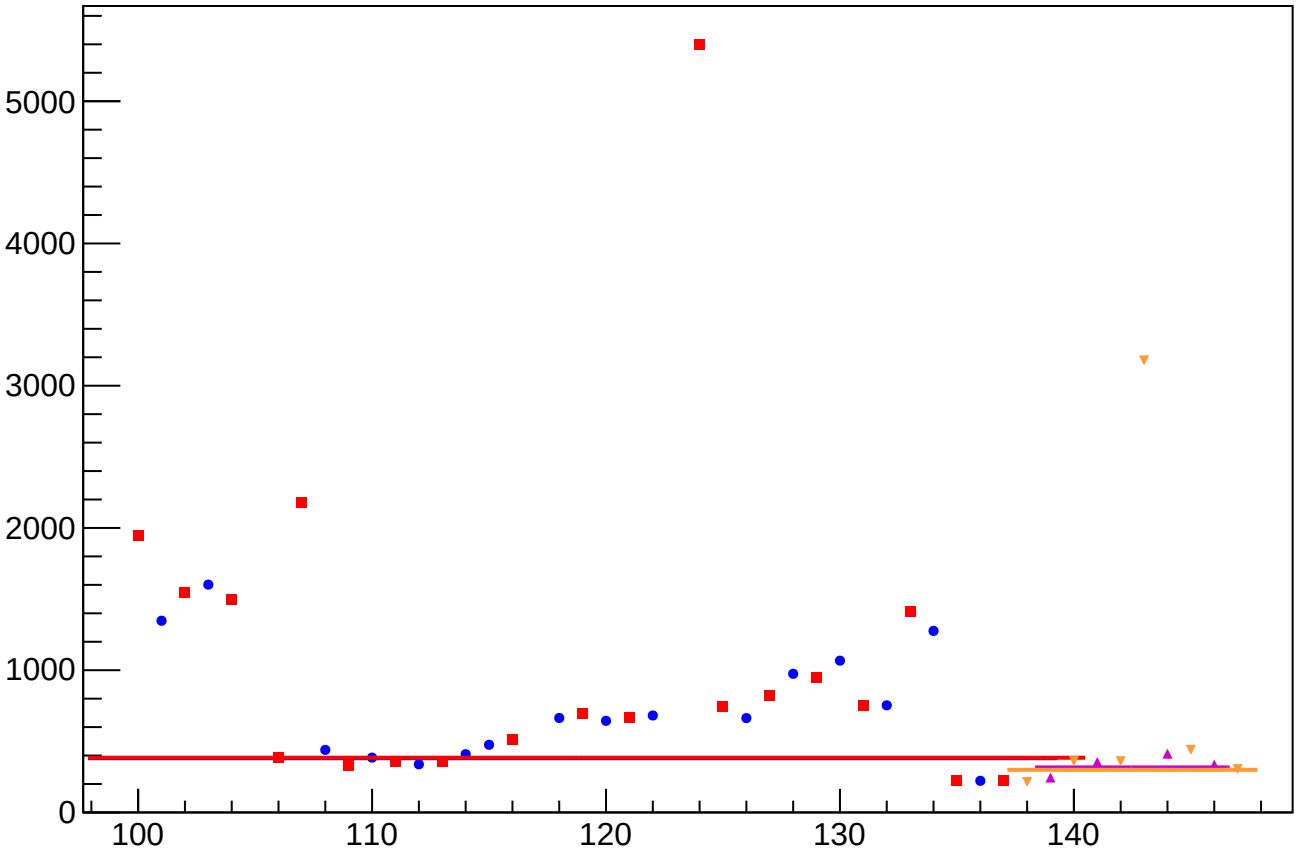
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.575 χ^2/NDF:2.1/3

+ sign -126.196+/-115.903 χ^2/NDF: 37.2/21

All: -141.080+/-83.809 χ^2/NDF: 55.1/44

- sign -157.390+/-121.331 χ^2/NDF: 17.9/22



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

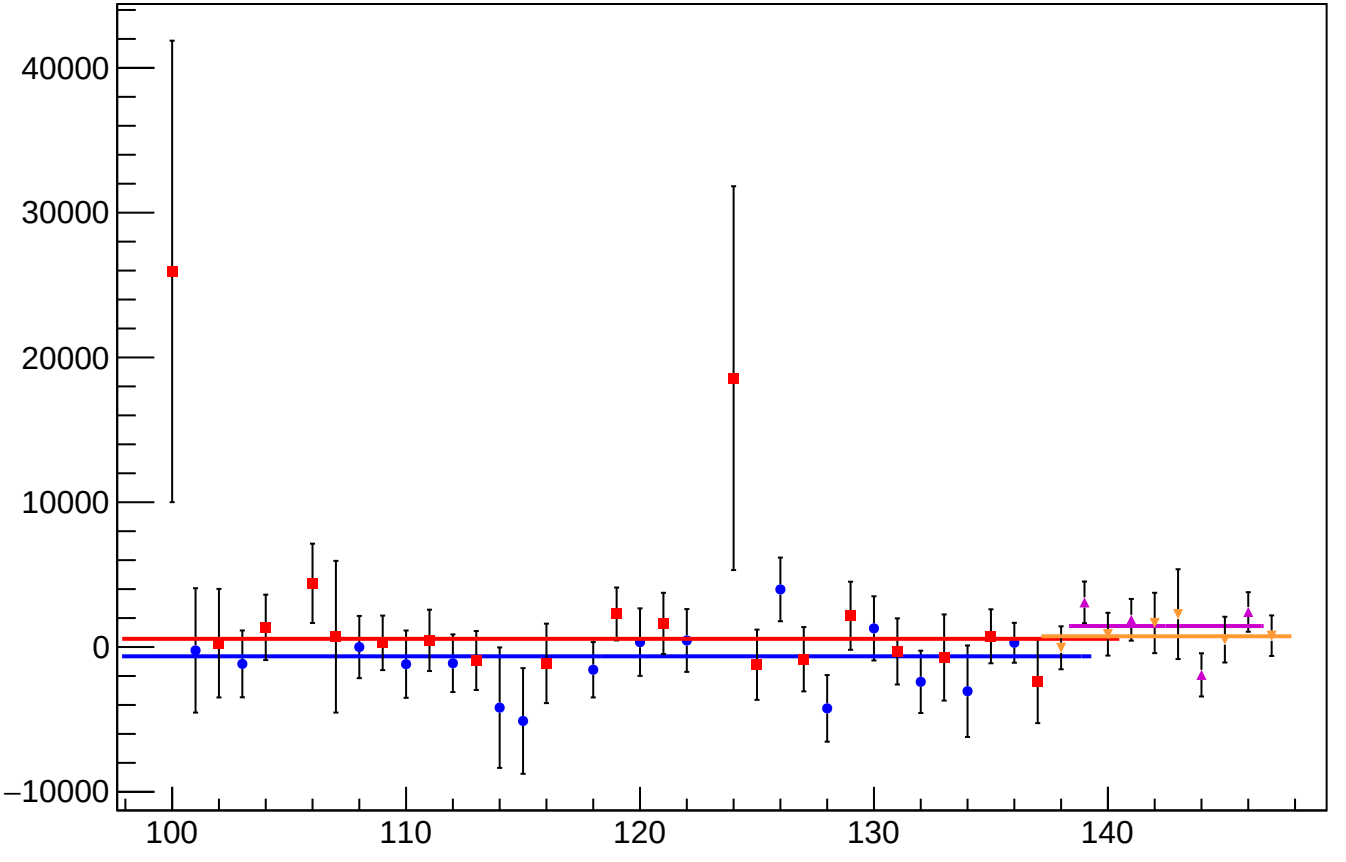
Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

+ sign 337.682+/-0.082 χ^2/NDF: 6386063.6/21

All: 344.235+/-0.059 χ^2/NDF: 11370095.0/44

- sign 351.416+/-0.086 χ^2/NDF: 4970632.0/22

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

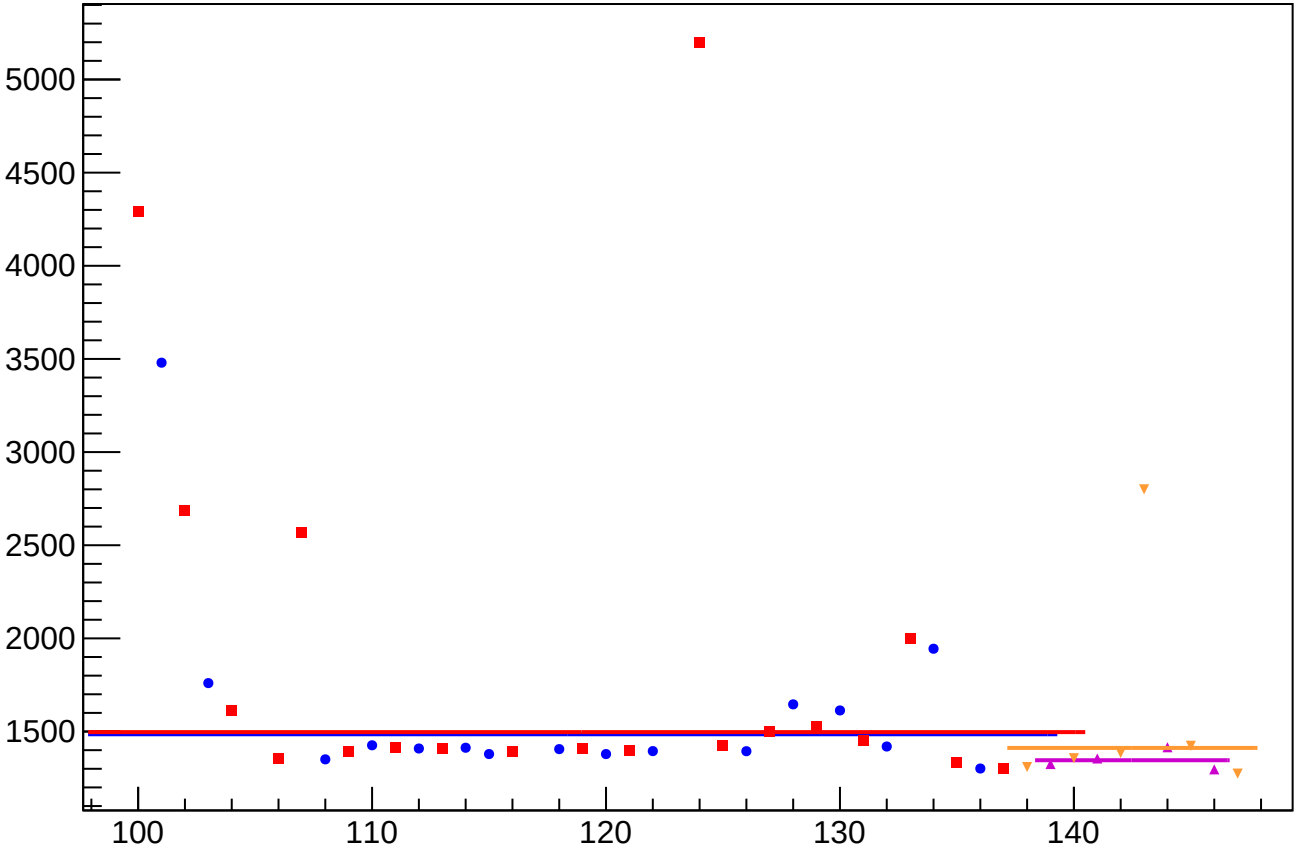
Left In: 1450.037+/-716.396 χ^2/NDF:7.0/3

+ sign -76.998+/-434.481 χ^2/NDF: 15.7/21

All: 403.843+/-310.703 χ^2/NDF: 37.4/44

- sign 907.091+/-444.489 χ^2/NDF: 19.3/22

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

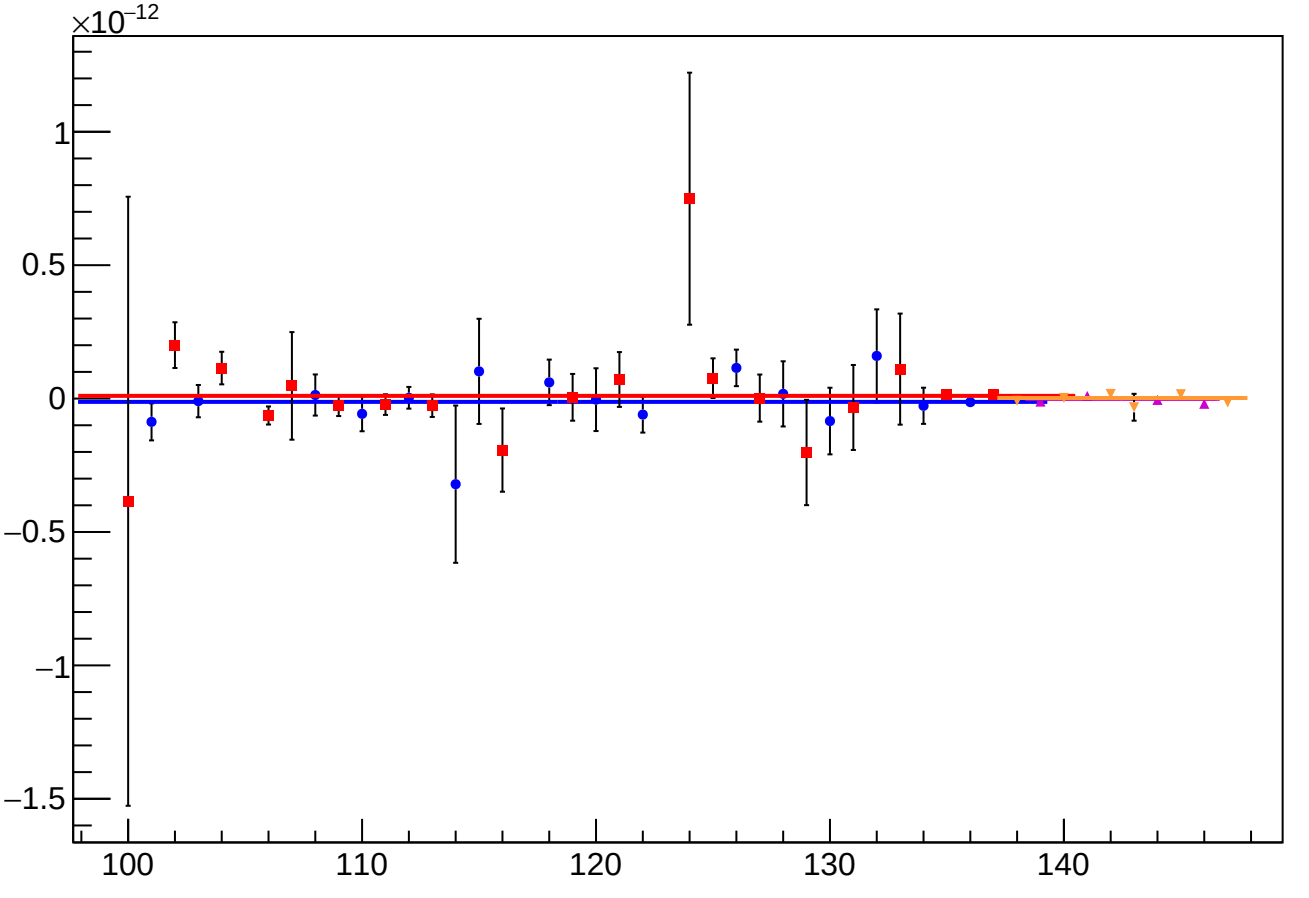
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

+ sign 1455.509+/-0.307 χ^2/NDF: 1030638.3/21

All: 1447.317+/-0.220 χ^2/NDF: 1717440.6/44

- sign 1438.744+/-0.314 χ^2/NDF: 685347.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/5

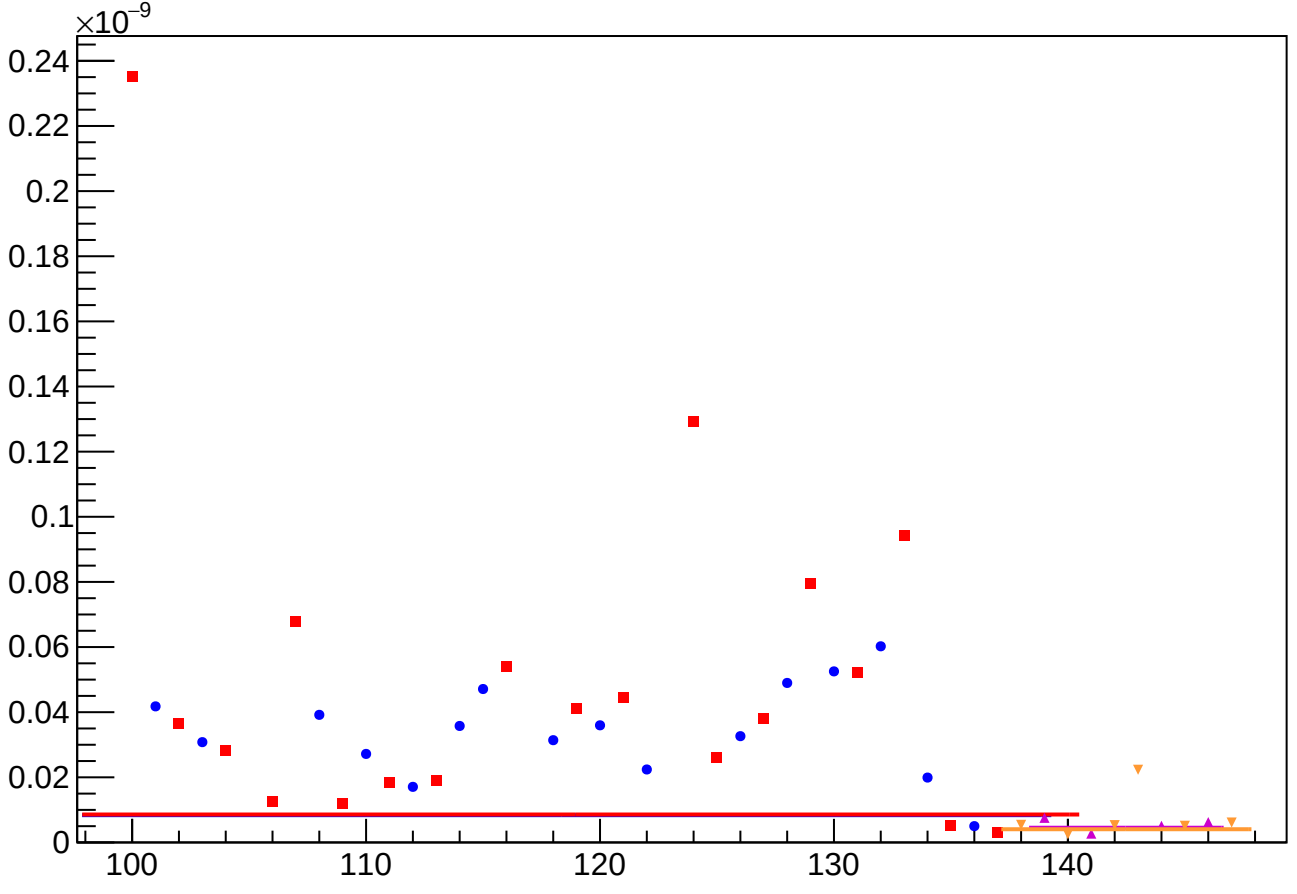
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 53.0/44

- sign 0.000+/-0.000 χ^2/NDF: 31.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

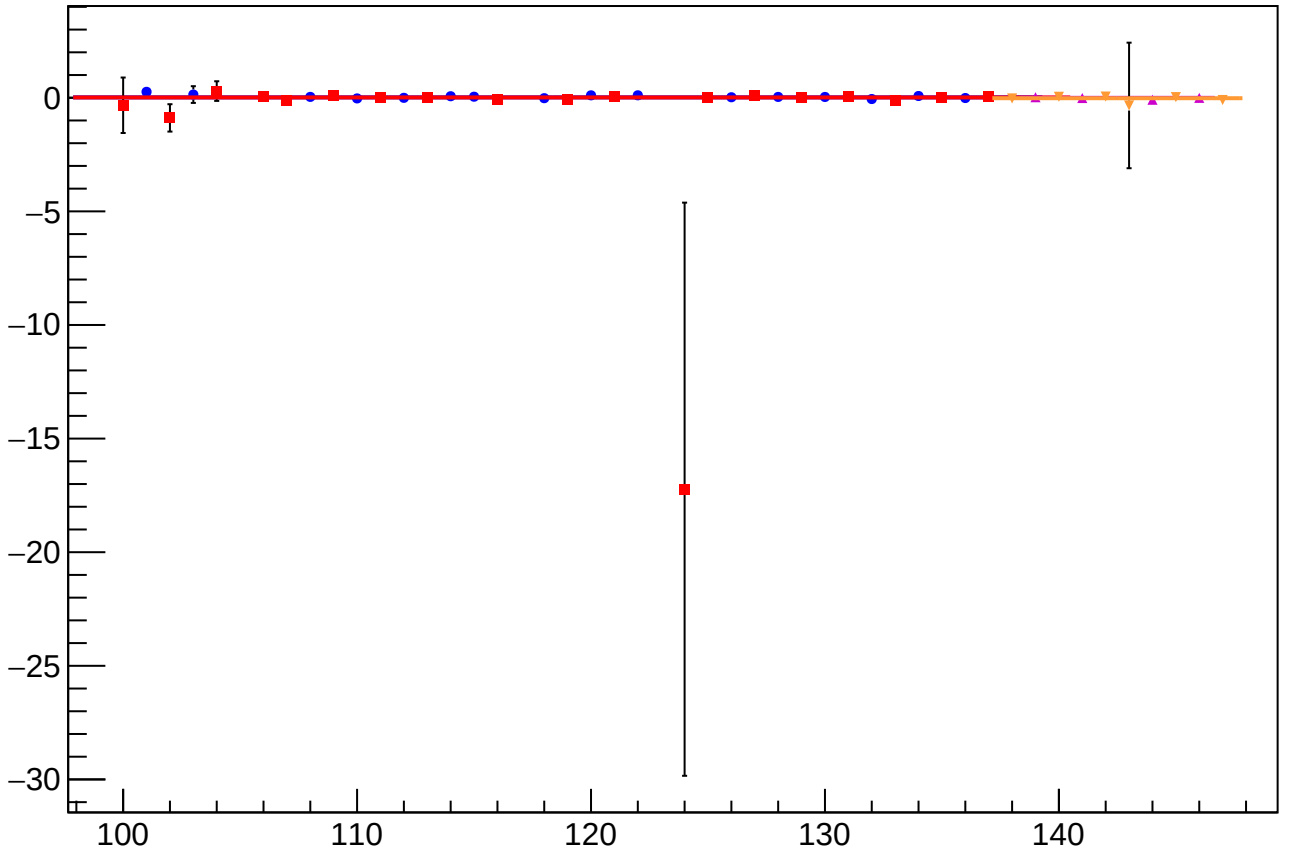
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4258007.8/21

All: 0.000+/-0.000 χ^2/NDF: 8460948.9/44

- sign 0.000+/-0.000 χ^2/NDF: 4180614.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

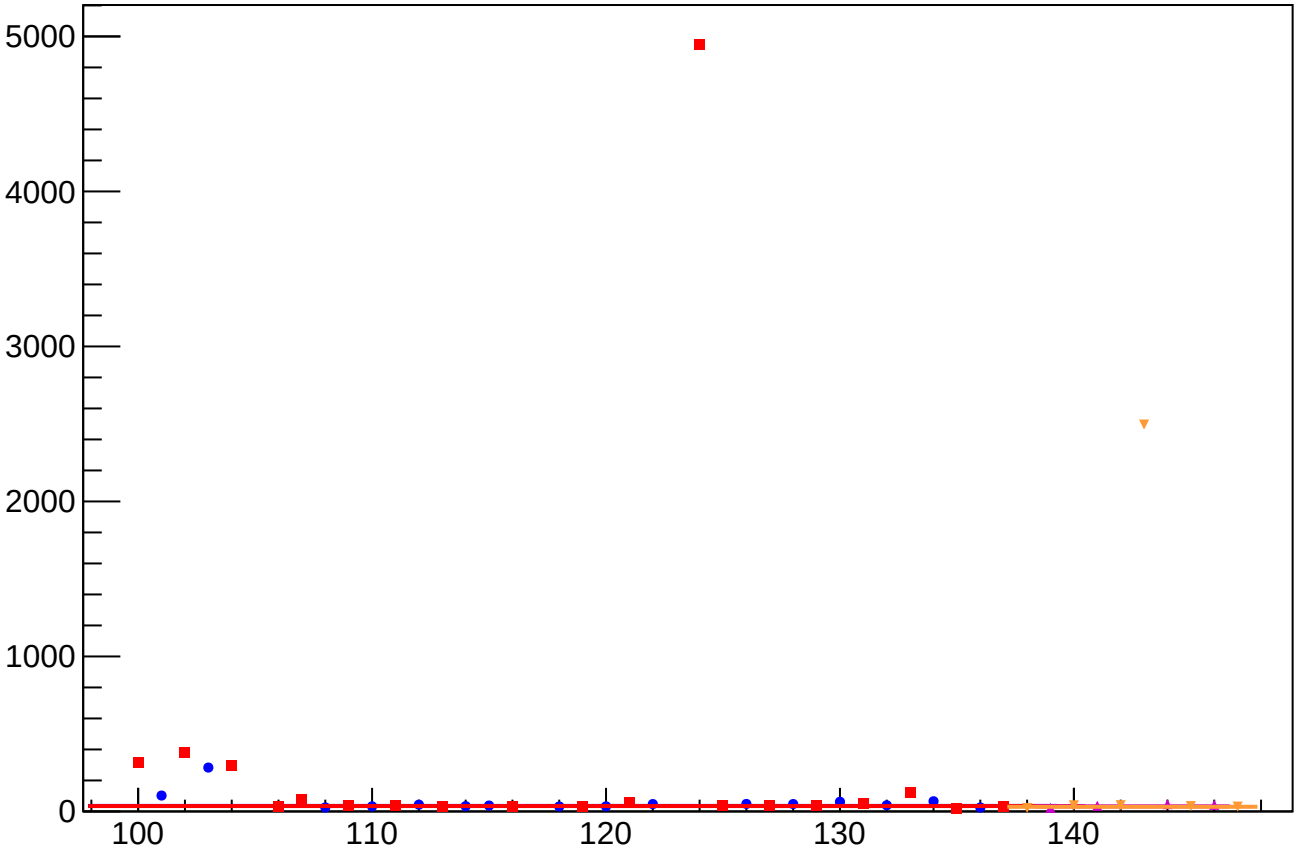
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

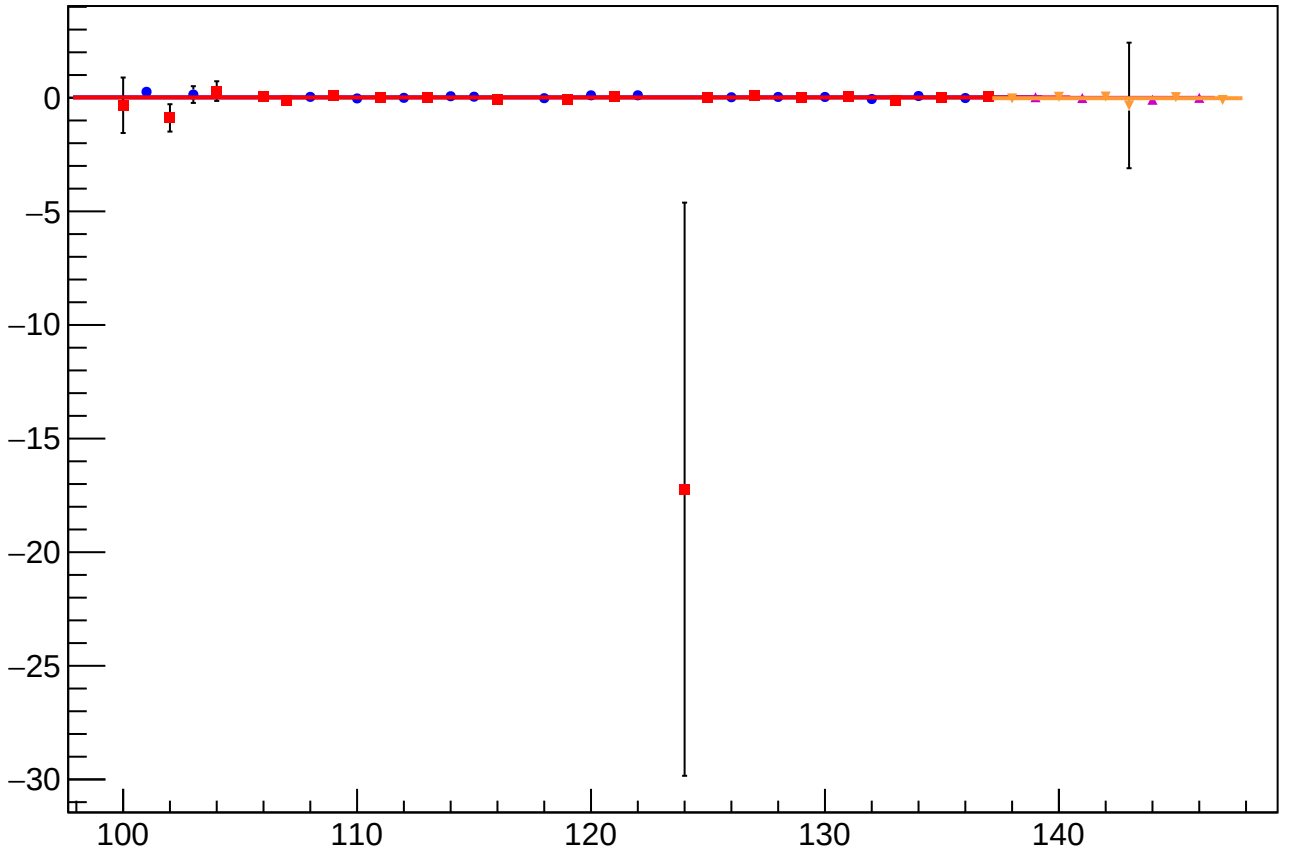
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

\+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

\- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

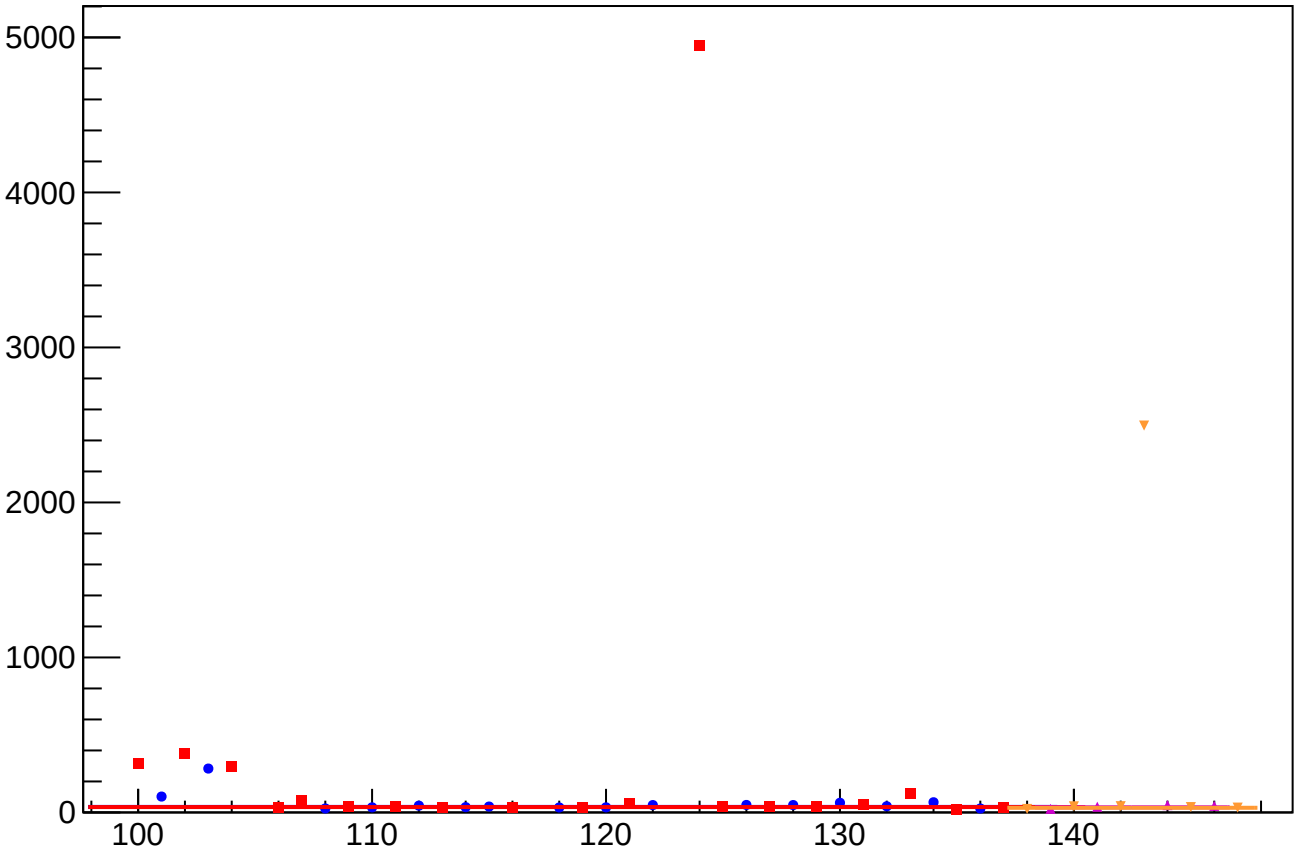
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

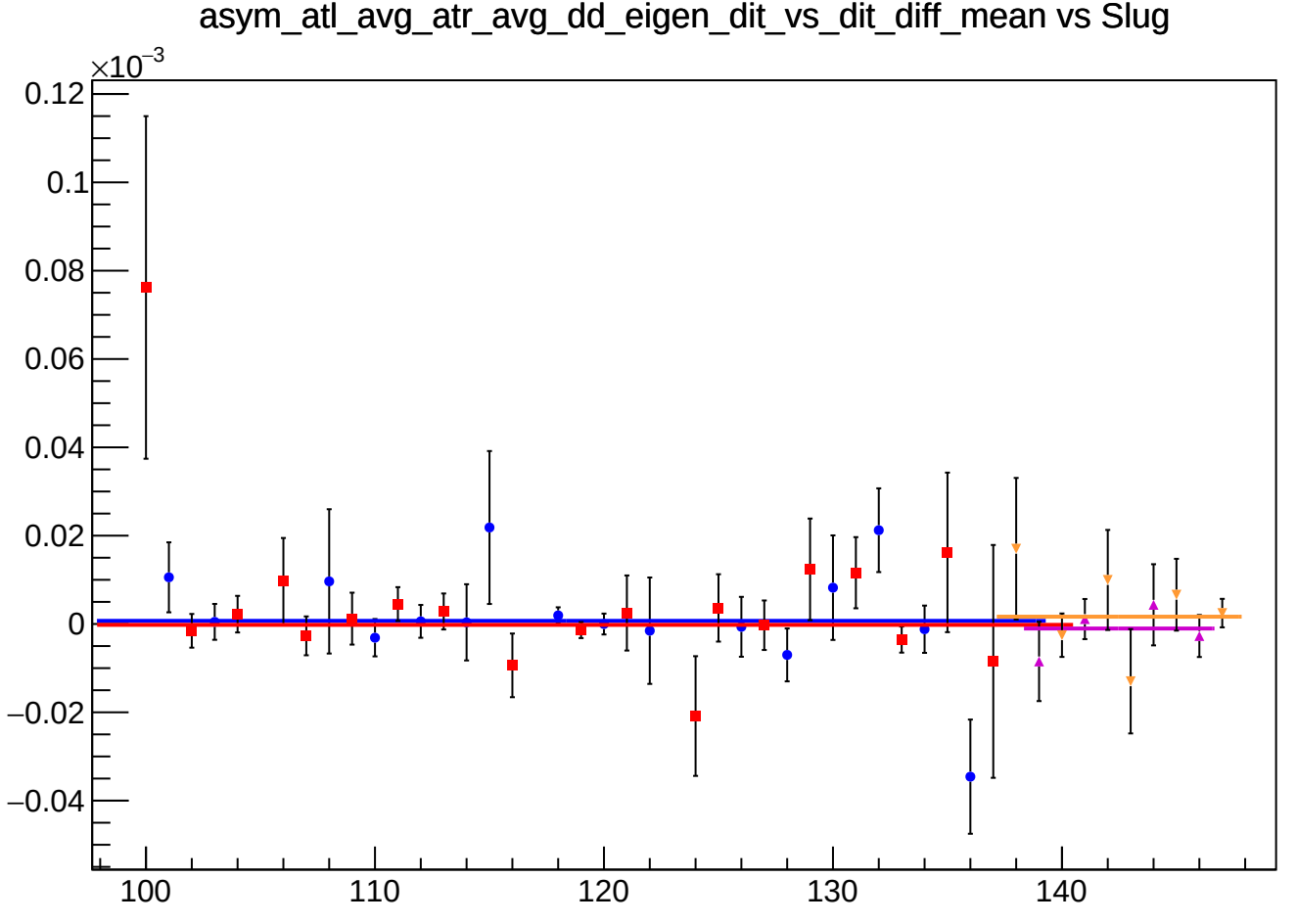
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

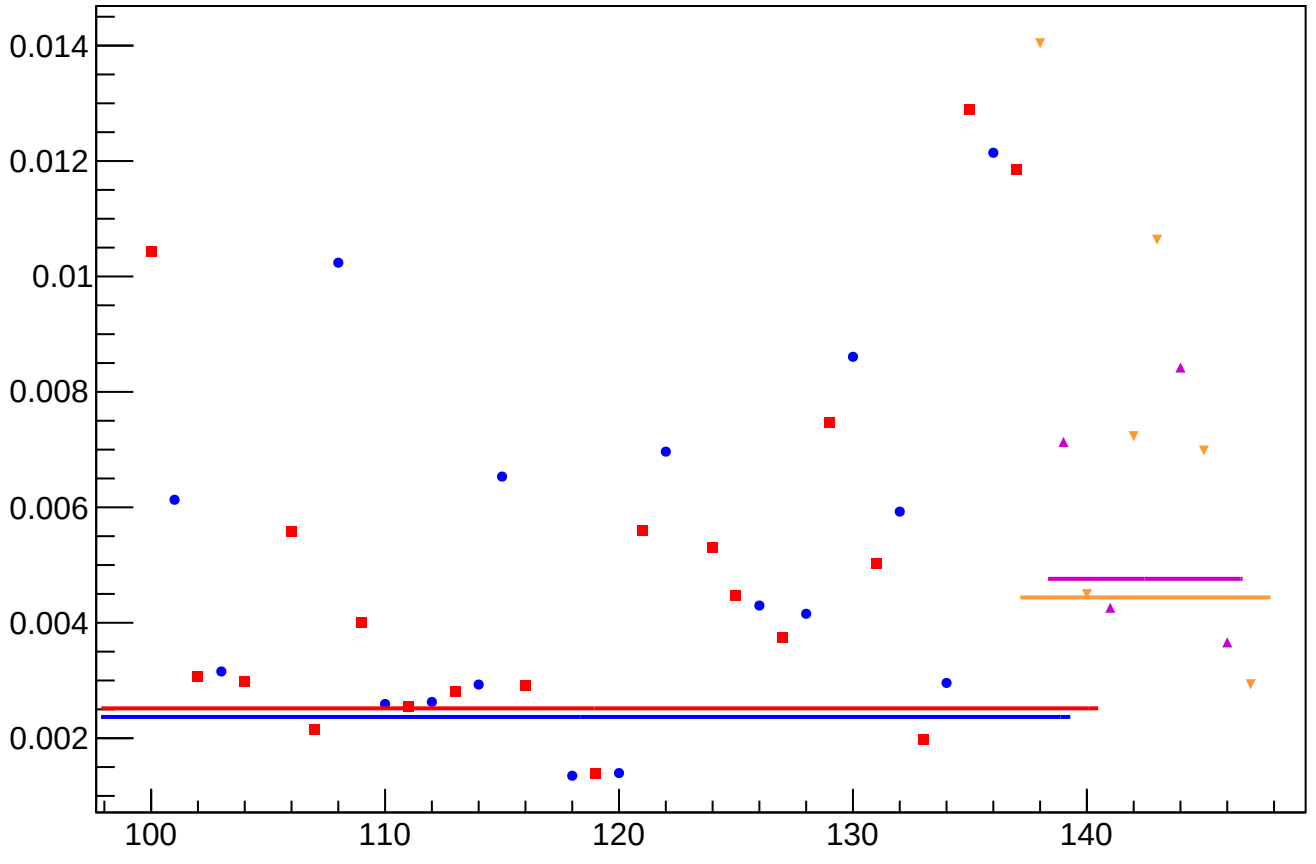
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/21

All: 0.000+/-0.000 χ^2/NDF: 43.6/44

- sign -0.000+/-0.000 χ^2/NDF: 19.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

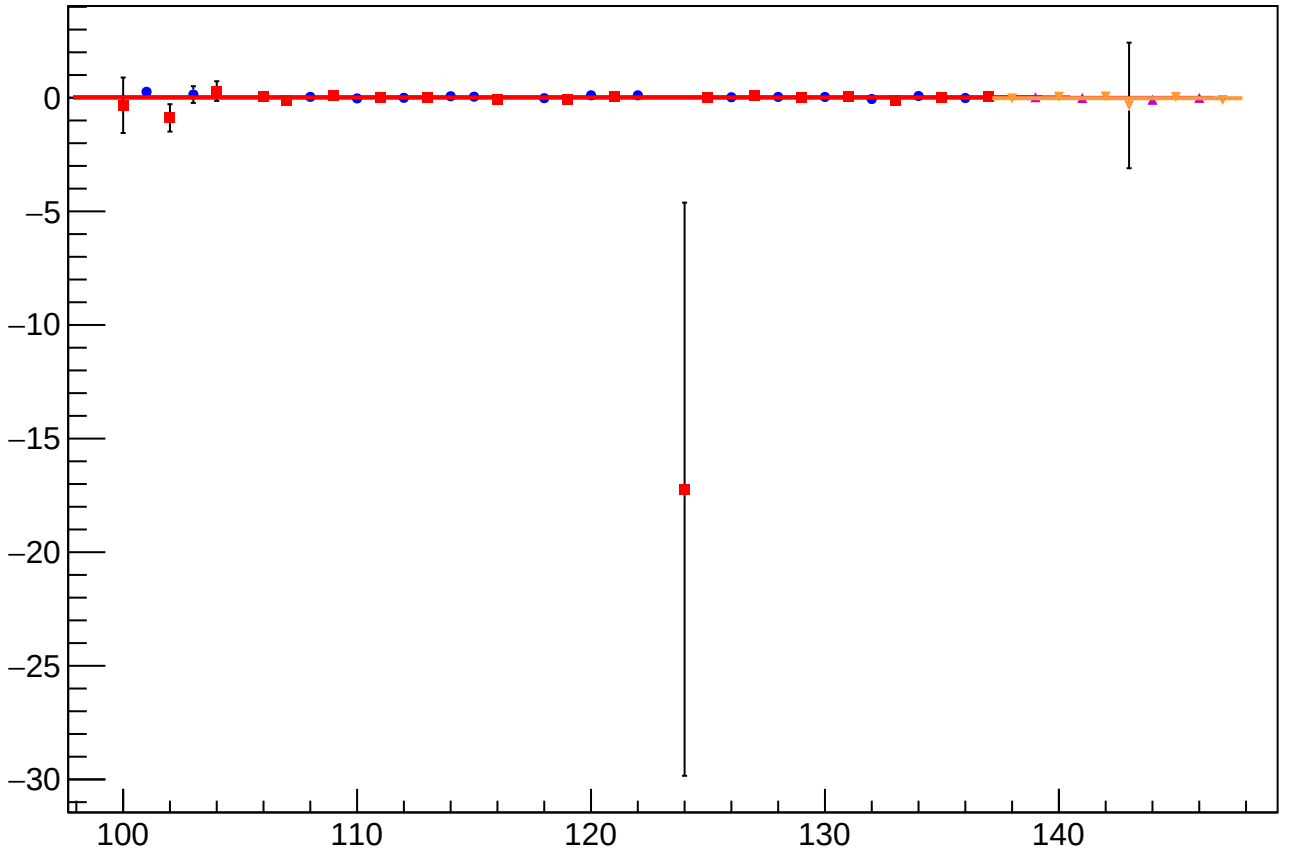
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

+ sign 0.003+/-0.000 χ^2/NDF: 7957364.6/21

All: 0.003+/-0.000 χ^2/NDF: 12985247.6/44

- sign 0.003+/-0.000 χ^2/NDF: 5025152.1/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

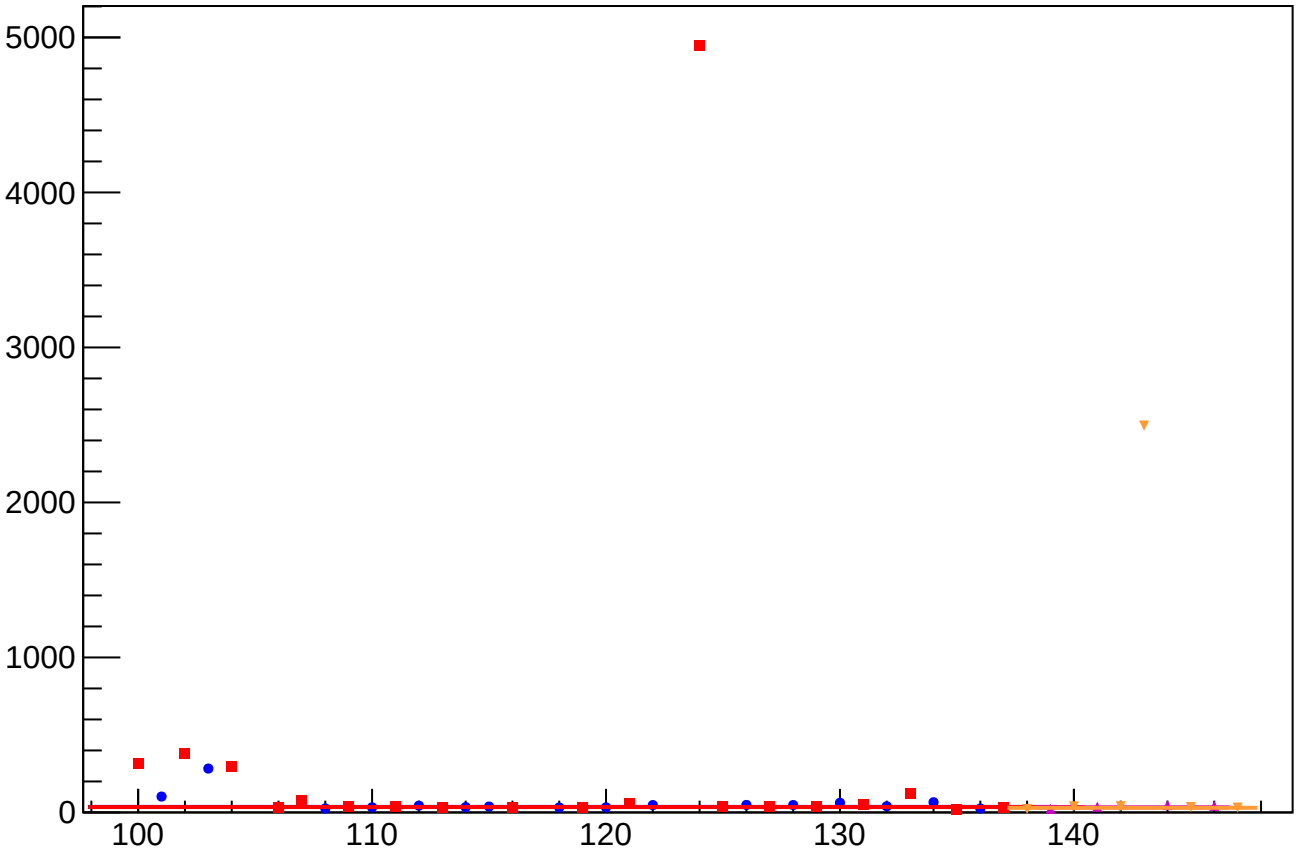
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896888.6/5

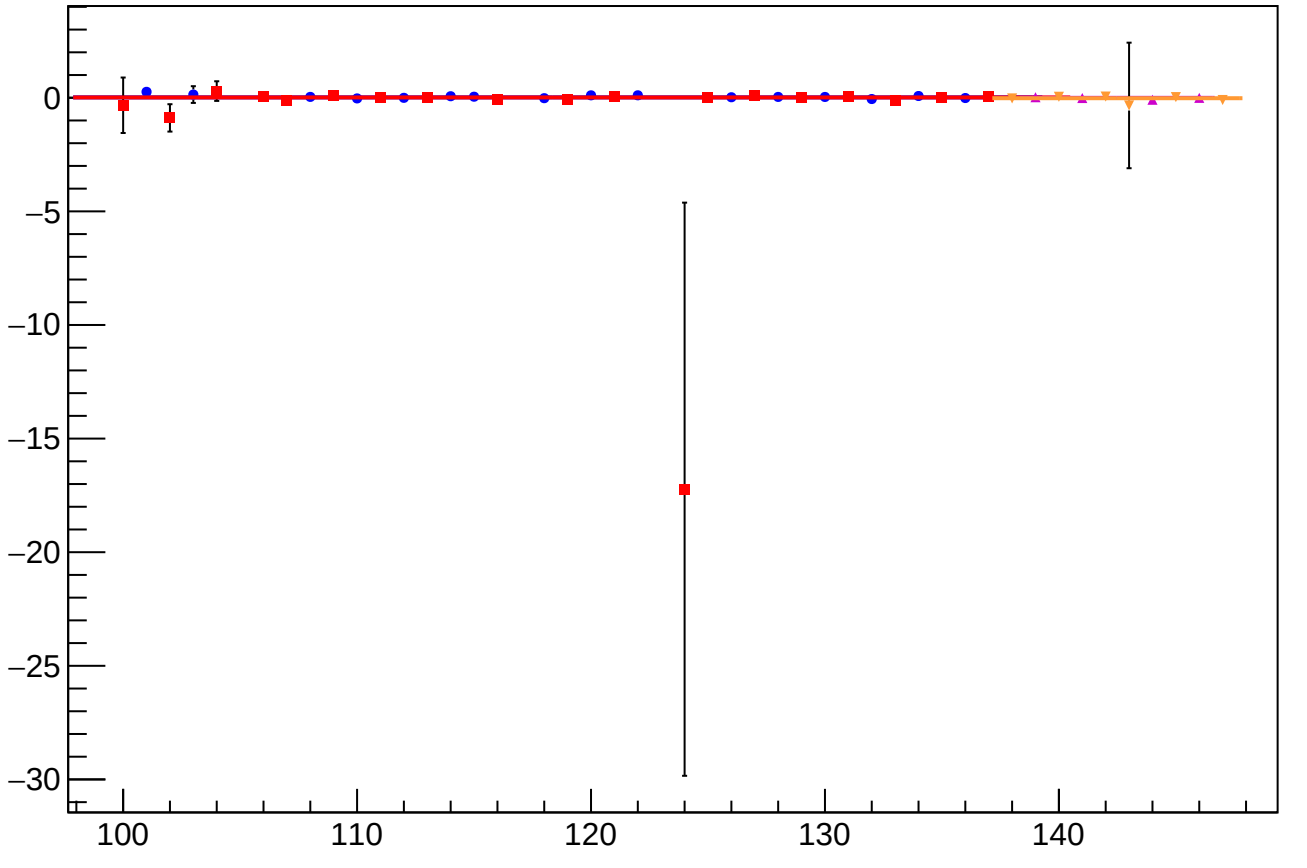
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

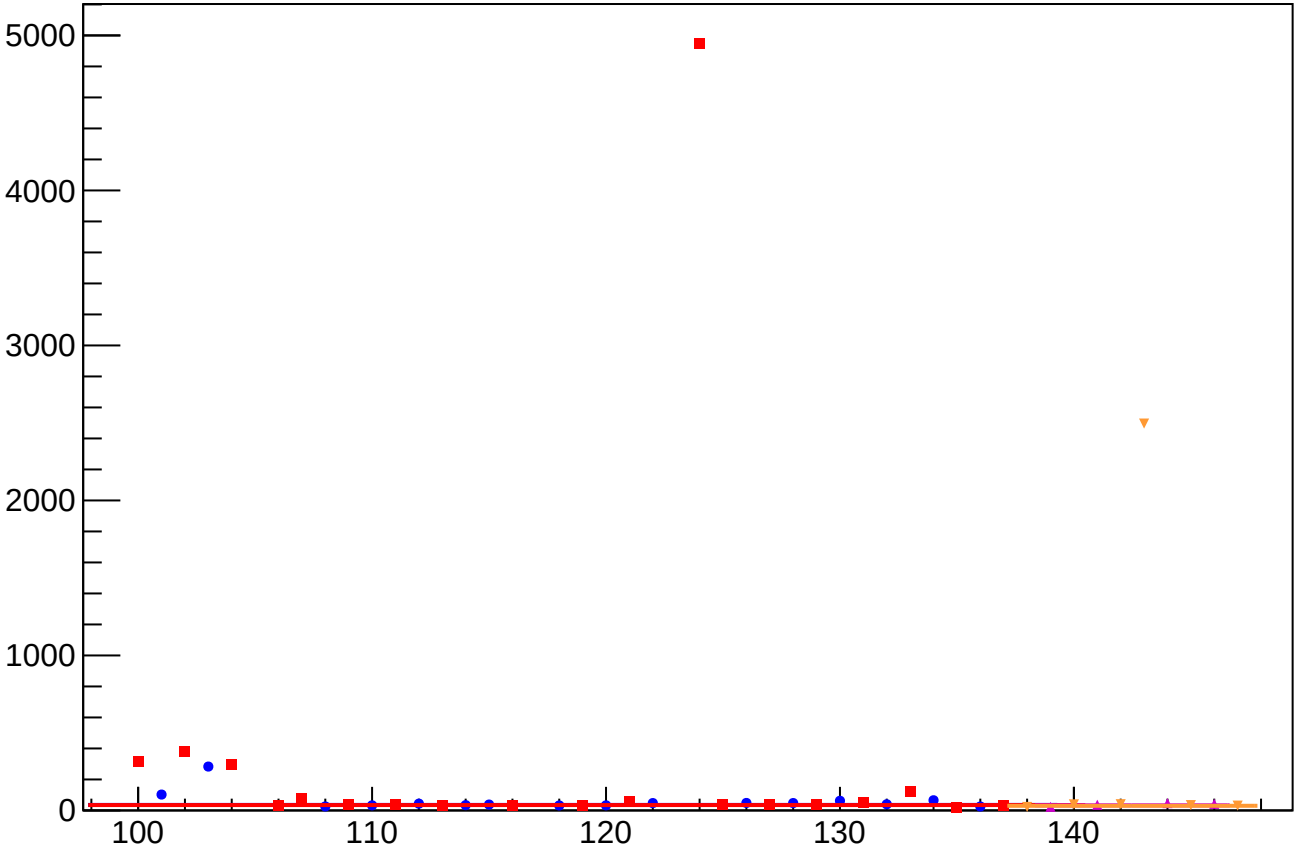
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896888.6/5

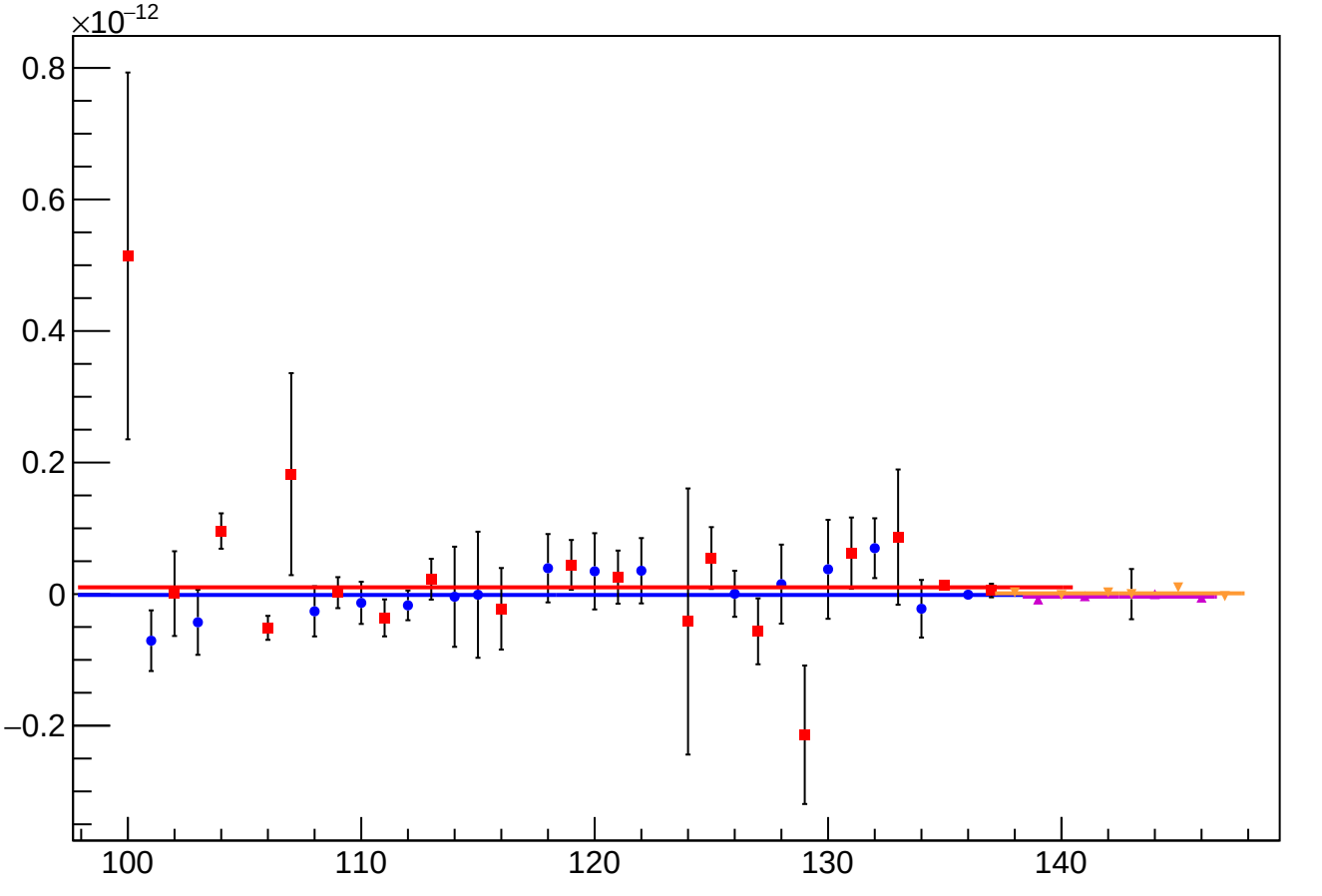
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

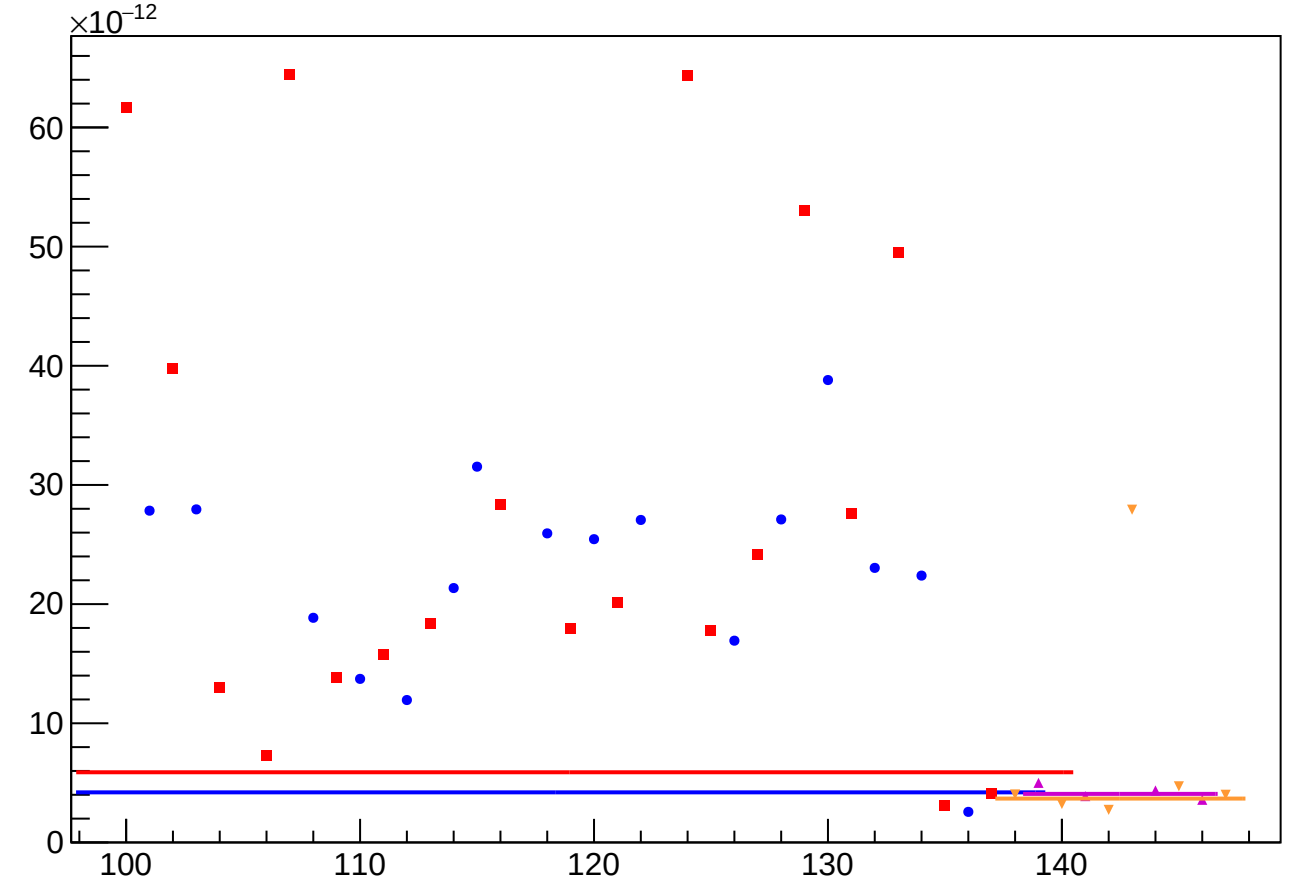
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 12.2/21

All: 0.000+/-0.000 χ^2/NDF: 61.4/44

- sign 0.000+/-0.000 χ^2/NDF: 49.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

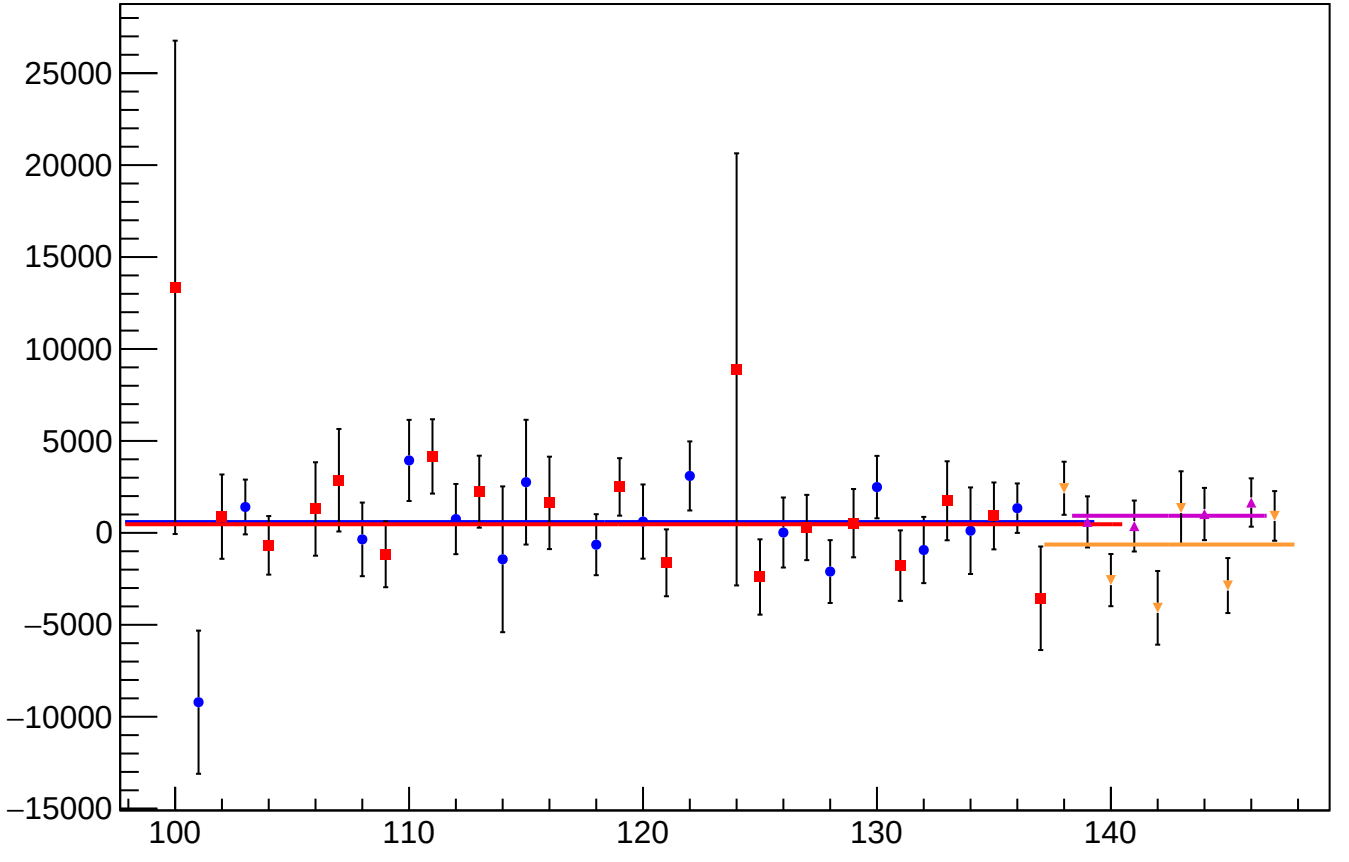
Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 6079214.2/21

All: 0.000+/-0.000 χ^2/NDF: 11409634.2/44

- sign 0.000+/-0.000 χ^2/NDF: 5198653.6/22

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

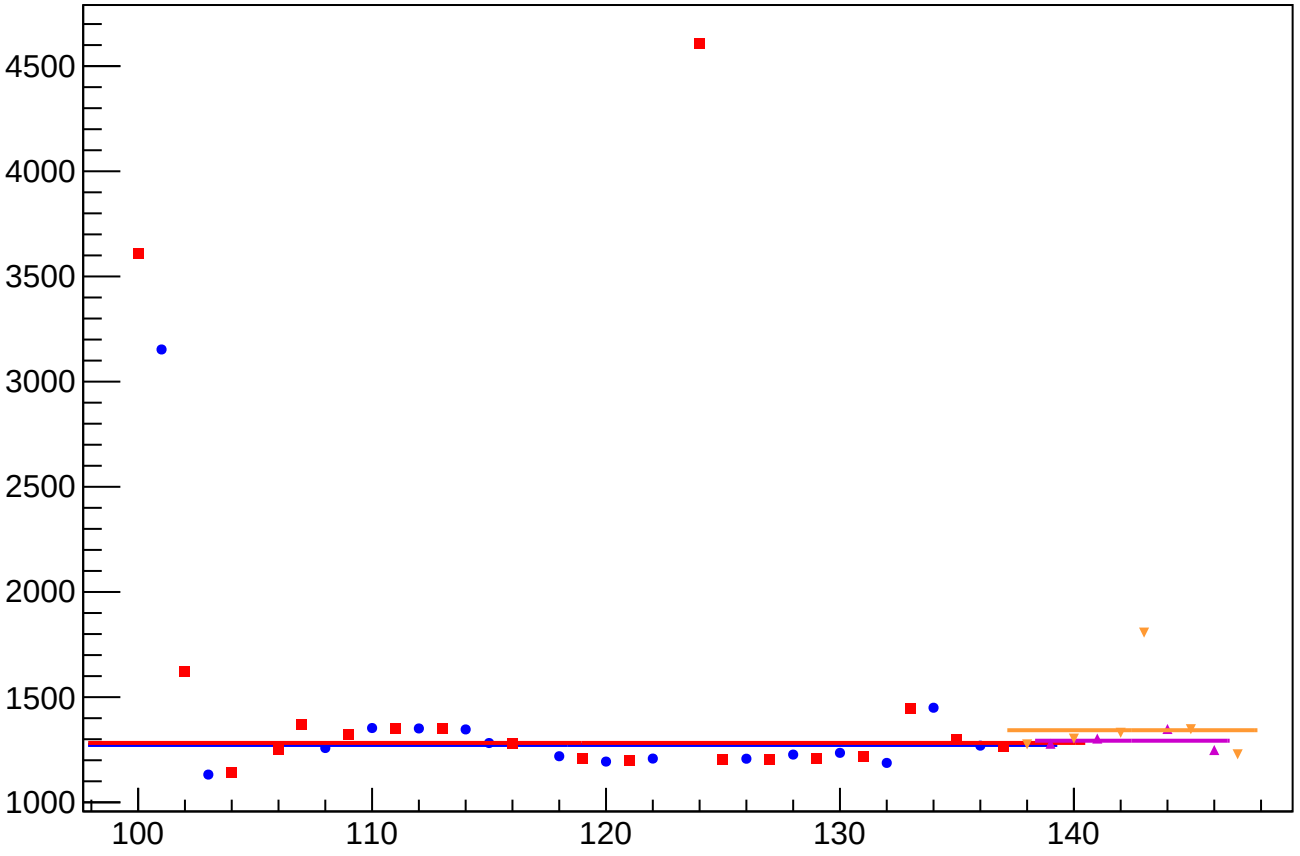
Left In: 930.335+/-688.021 χ^2/NDF:0.5/3

+ sign 141.178+/-384.387 χ^2/NDF: 33.3/21

All: 374.833+/-275.121 χ^2/NDF: 51.7/44

- sign 620.258+/-393.949 χ^2/NDF: 17.7/22

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

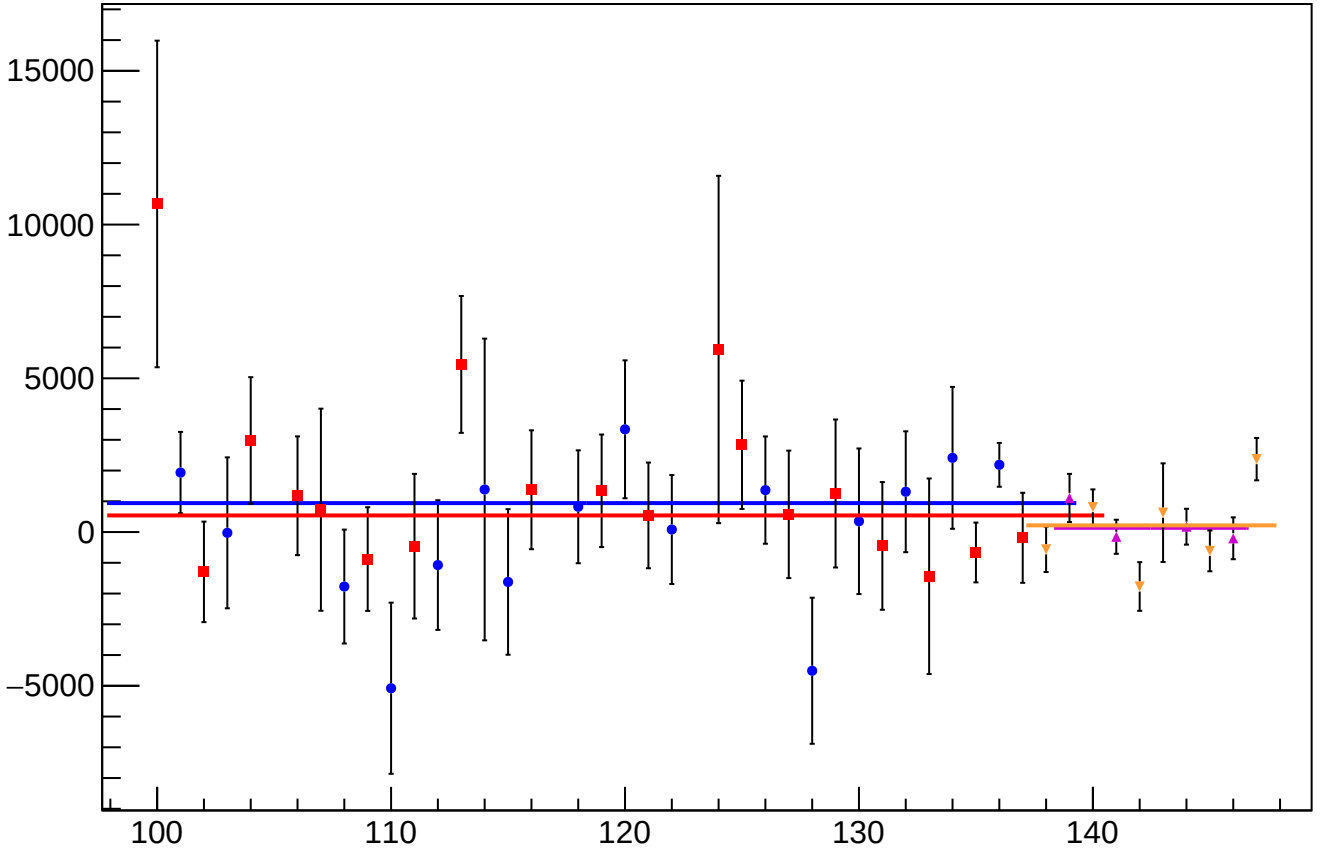
Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.367+/-0.272 χ^2/NDF: 662783.7/21

All: 1292.243+/-0.195 χ^2/NDF: 991887.8/44

- sign 1285.812+/-0.279 χ^2/NDF: 328063.5/22

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: 217.403+/-298.713 χ^2/NDF:19.9/5

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

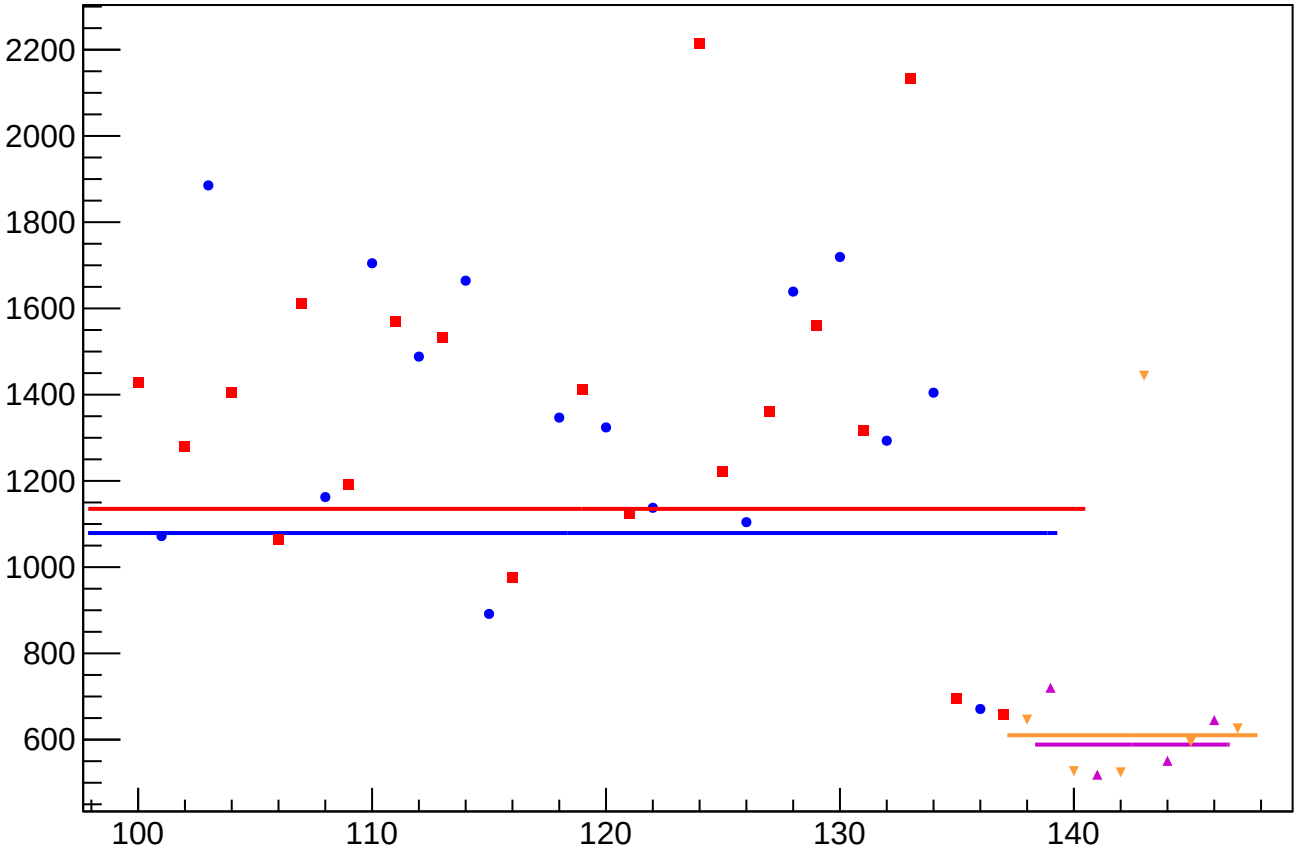
Left In: 138.037+/-316.509 χ^2/NDF:2.1/3

\+ sign 456.287+/-244.546 χ^2/NDF: 41.7/21

All: 370.283+/-177.133 χ^2/NDF: 61.8/44

\- sign 275.357+/-256.919 χ^2/NDF: 19.8/22

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: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

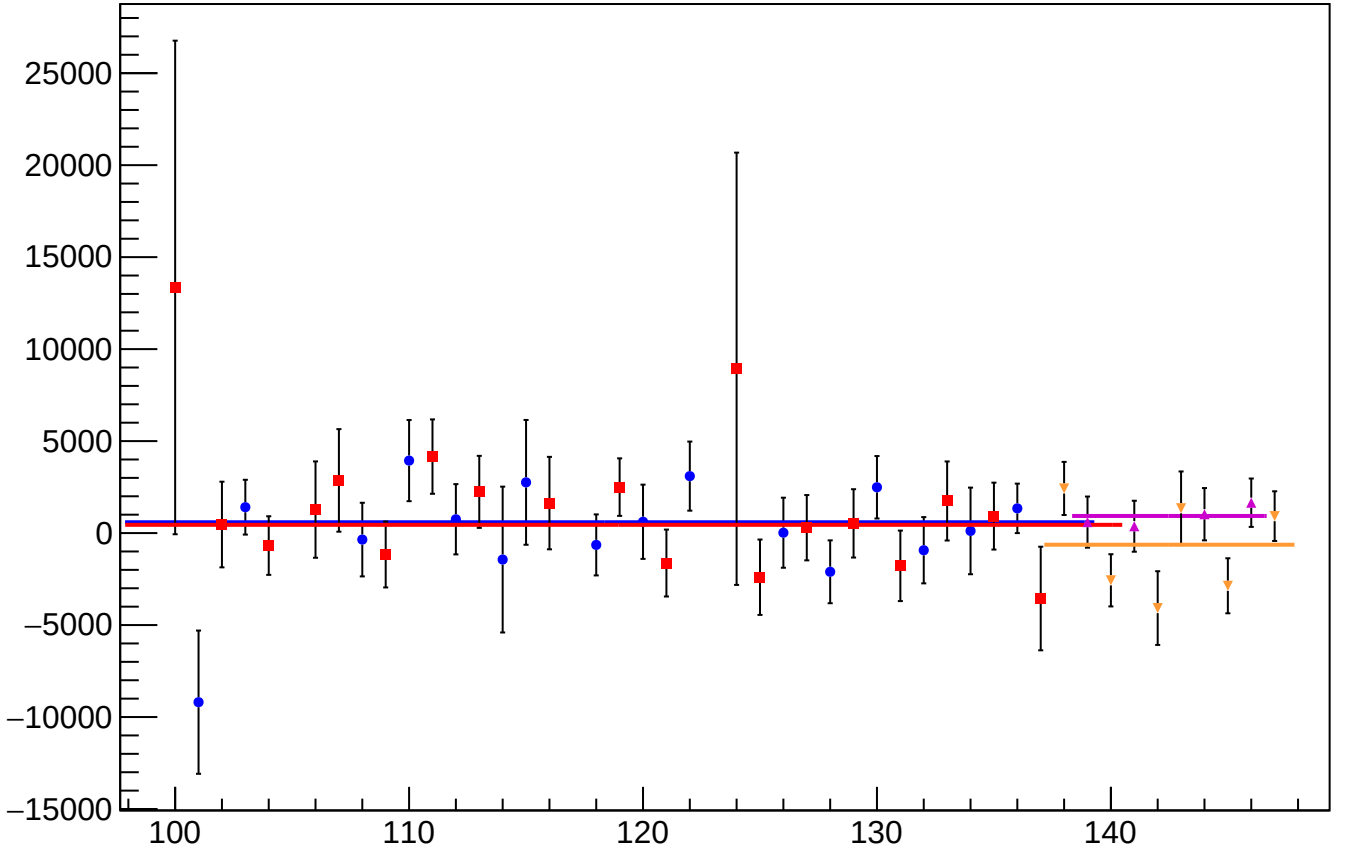
Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

\+ sign 764.857+/-0.173 χ^2/NDF: 3720668.7/21

All: 769.659+/-0.125 χ^2/NDF: 7161018.2/44

\- sign 774.959+/-0.182 χ^2/NDF: 3438727.5/22

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

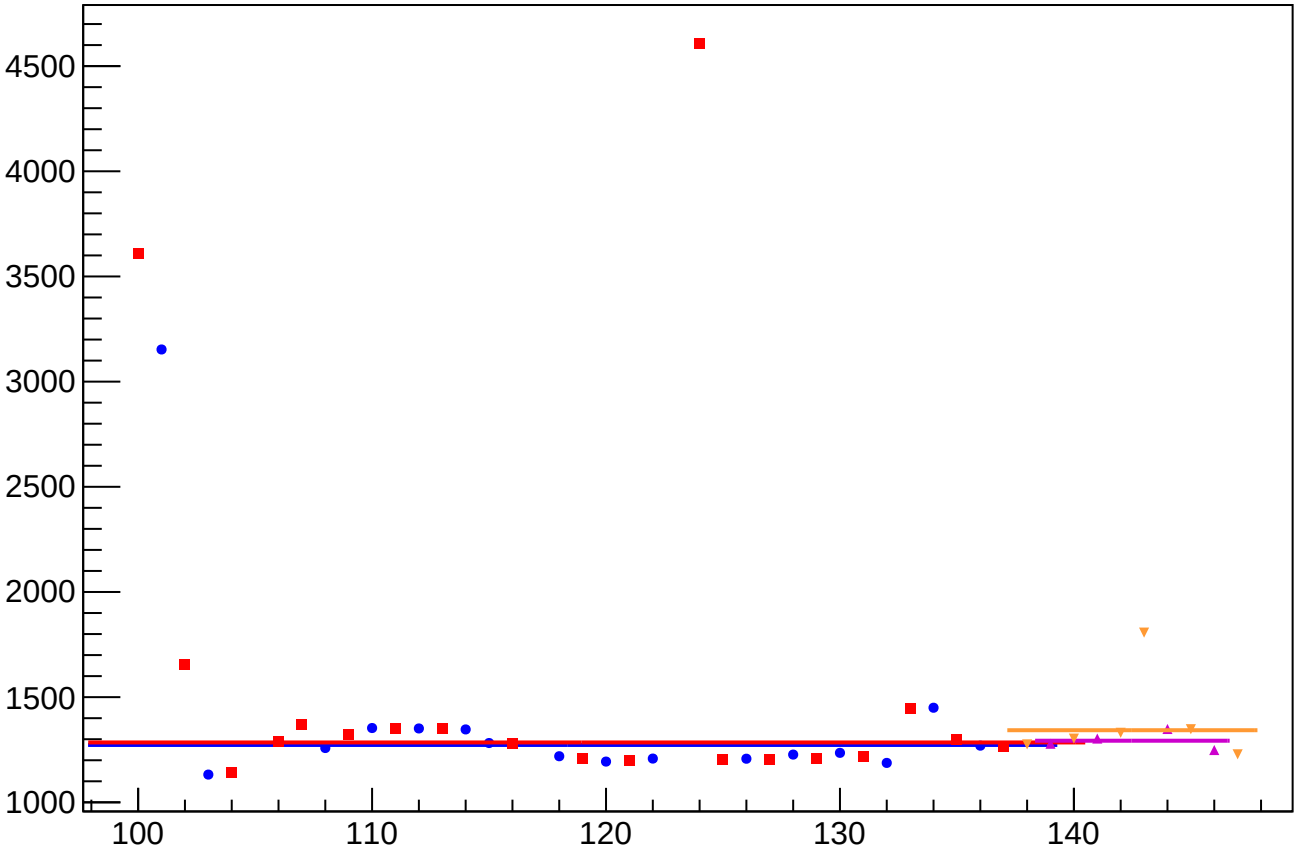
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 368.061+/-275.274 χ^2/NDF: 51.6/44

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

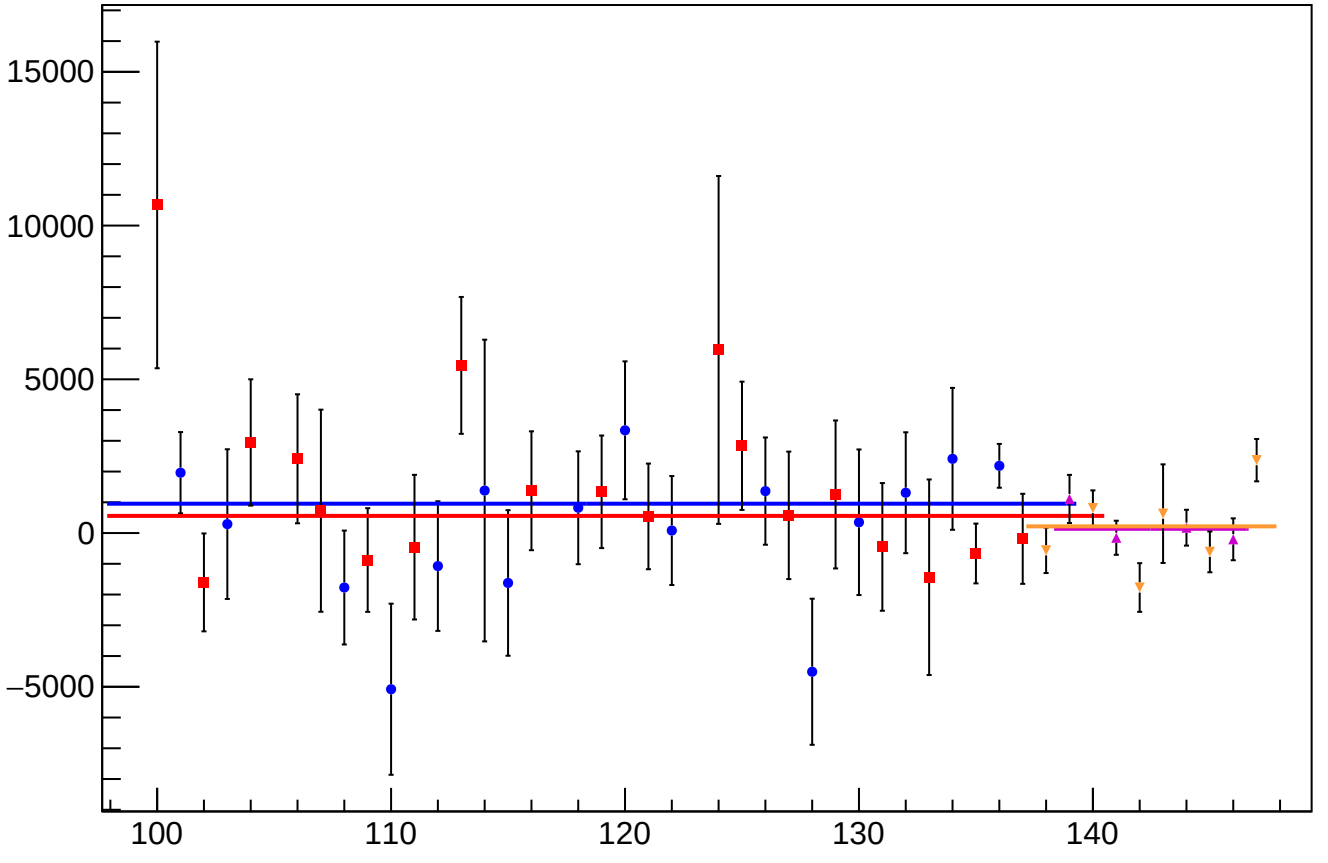
Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22

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: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

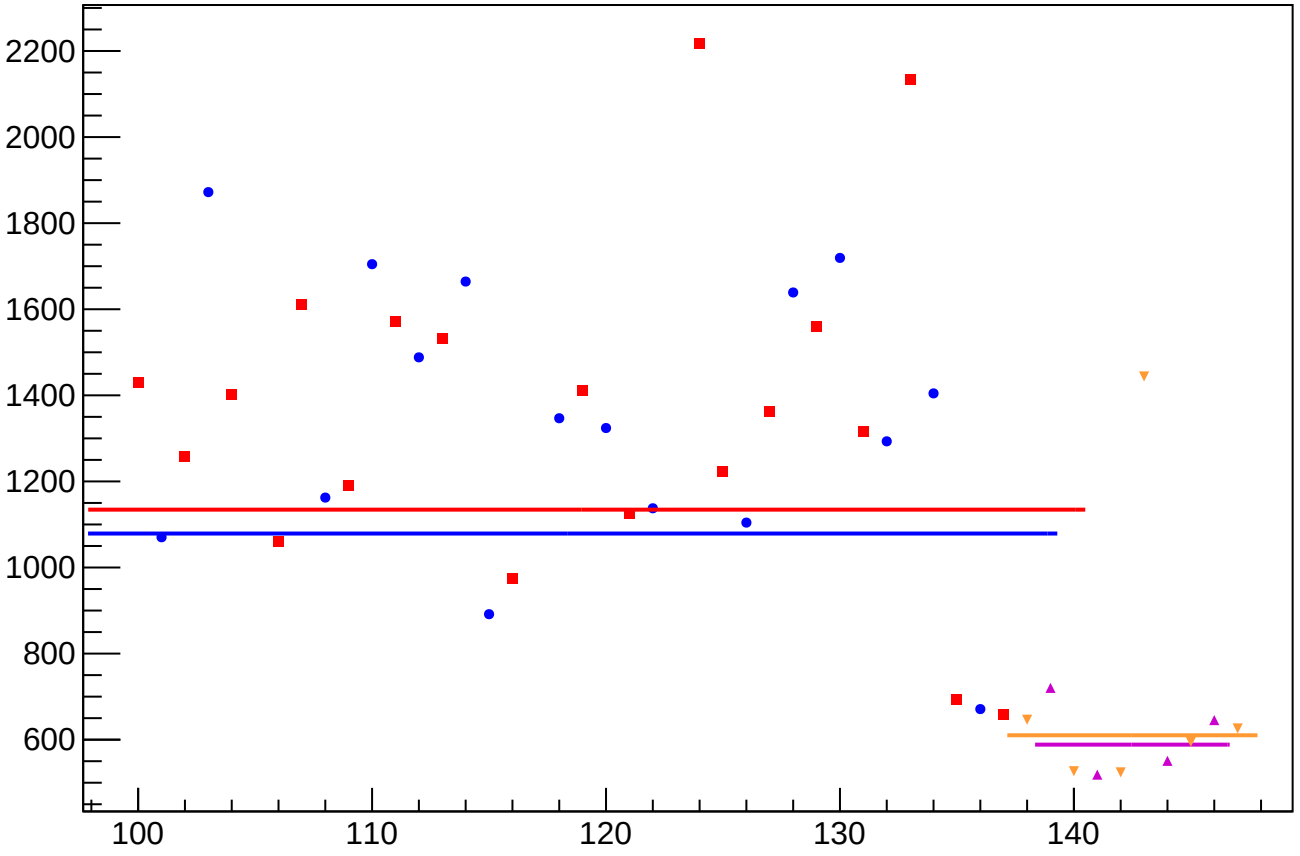
Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 375.227+/-177.176 χ^2/NDF: 63.1/44

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

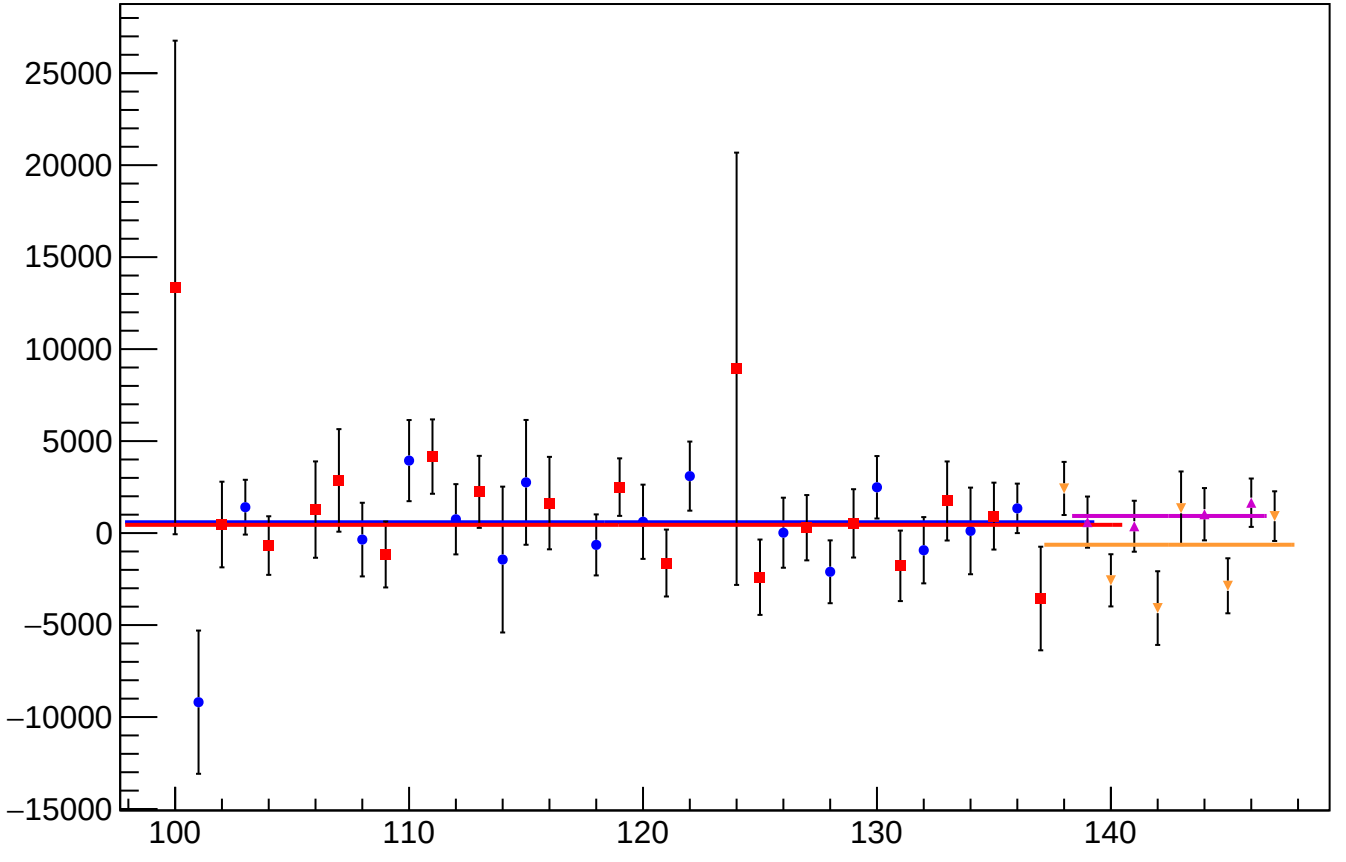
Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44

\- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

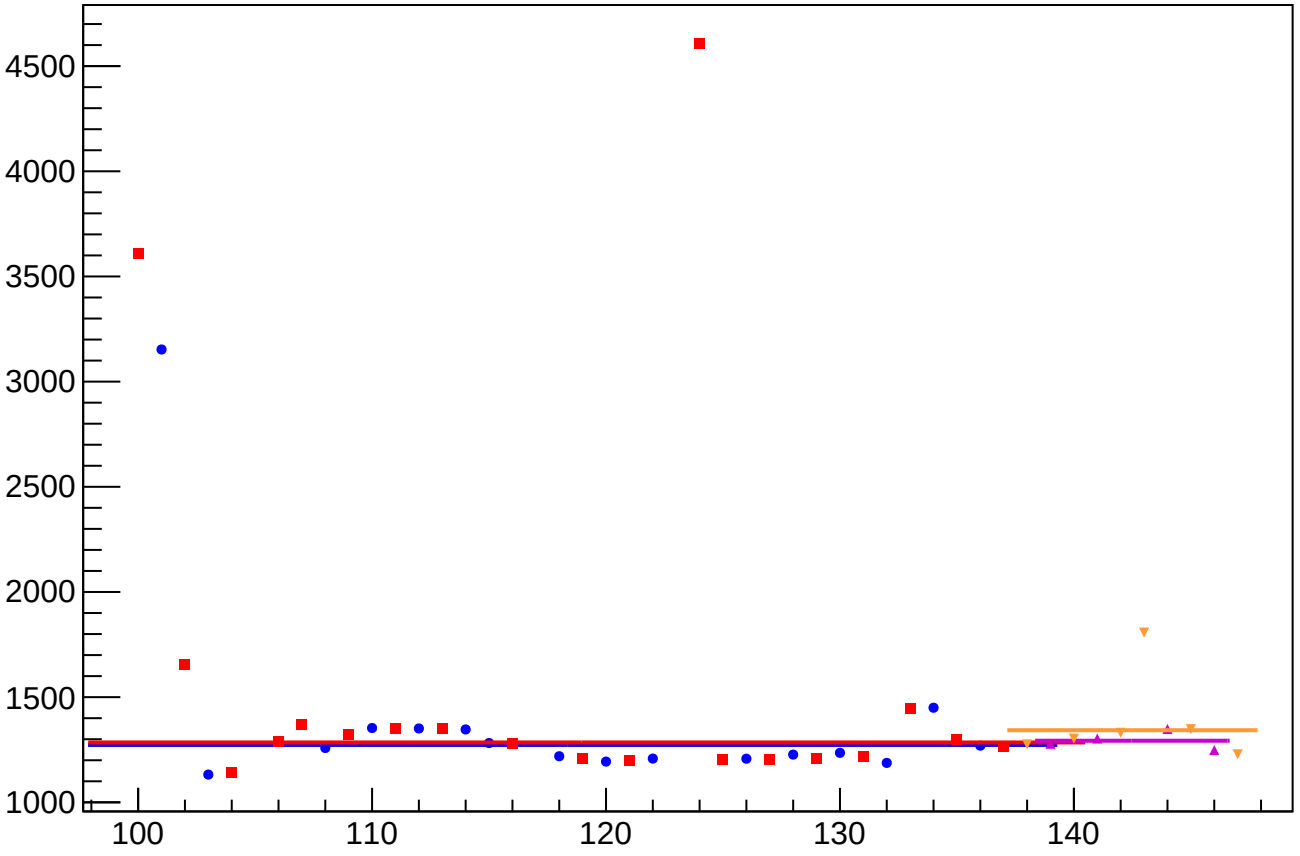
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

\+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 368.061+/-275.274 χ^2/NDF: 51.6/44

\- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

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: 1342.807+/-0.450 χ^2/NDF:128108.6/5

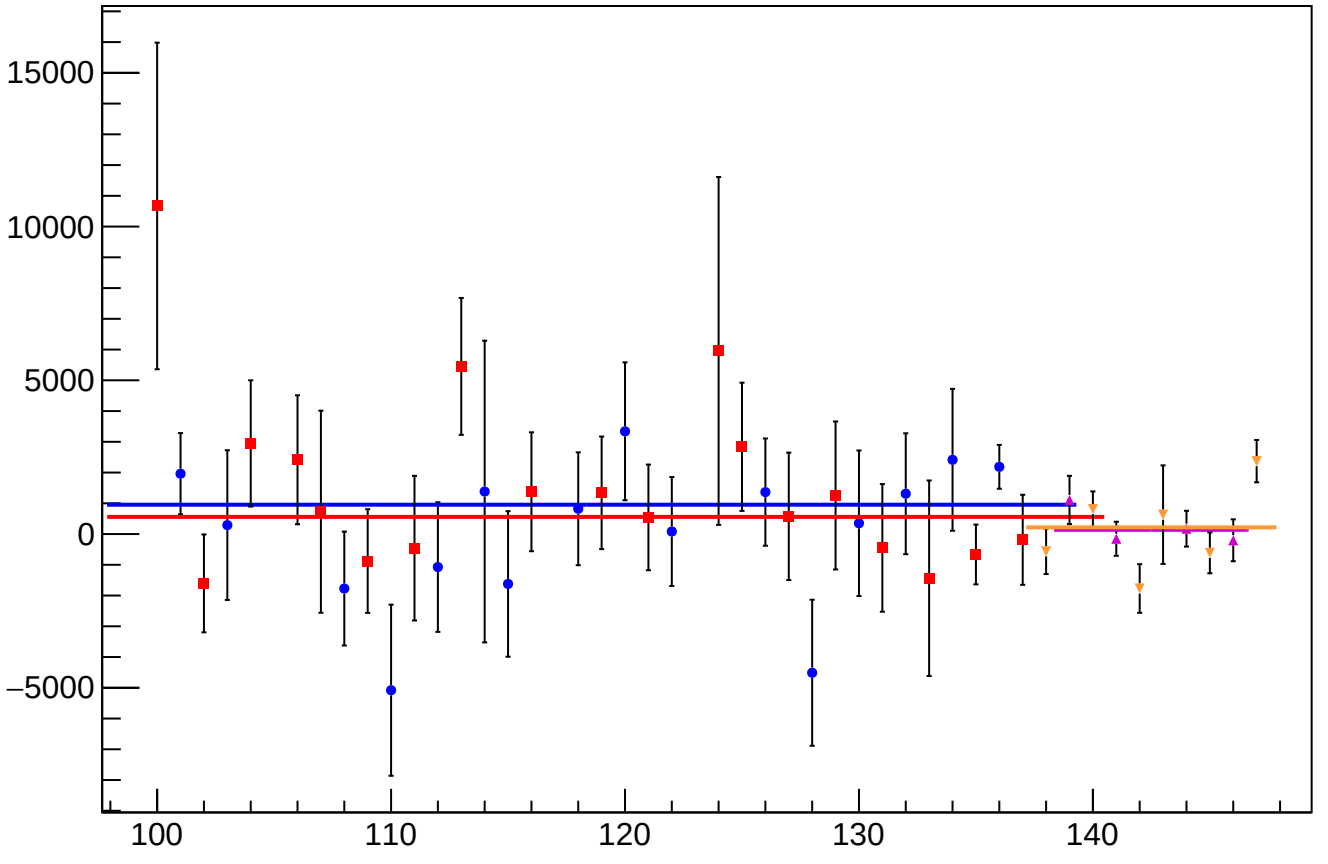
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

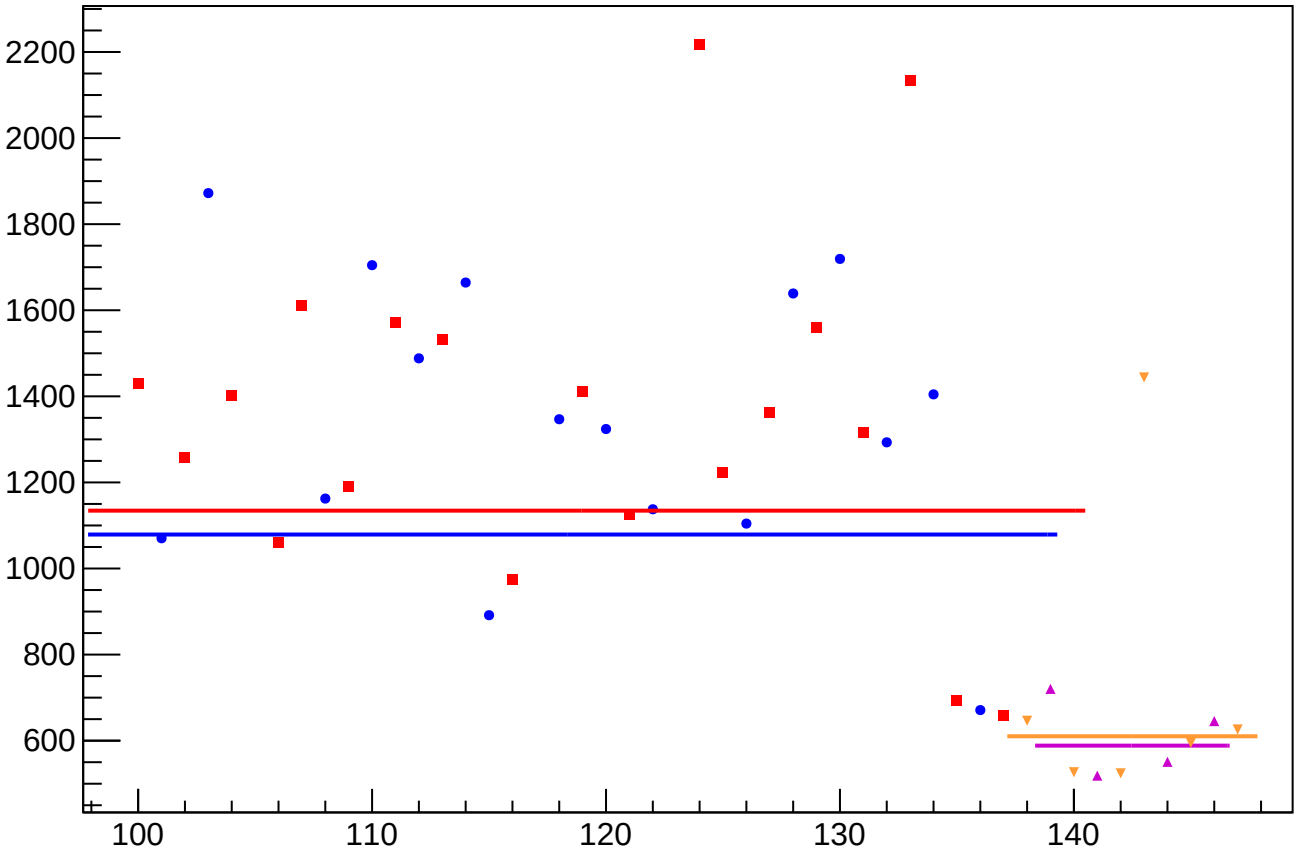
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 375.227+/-177.176 χ^2/NDF: 63.1/44

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

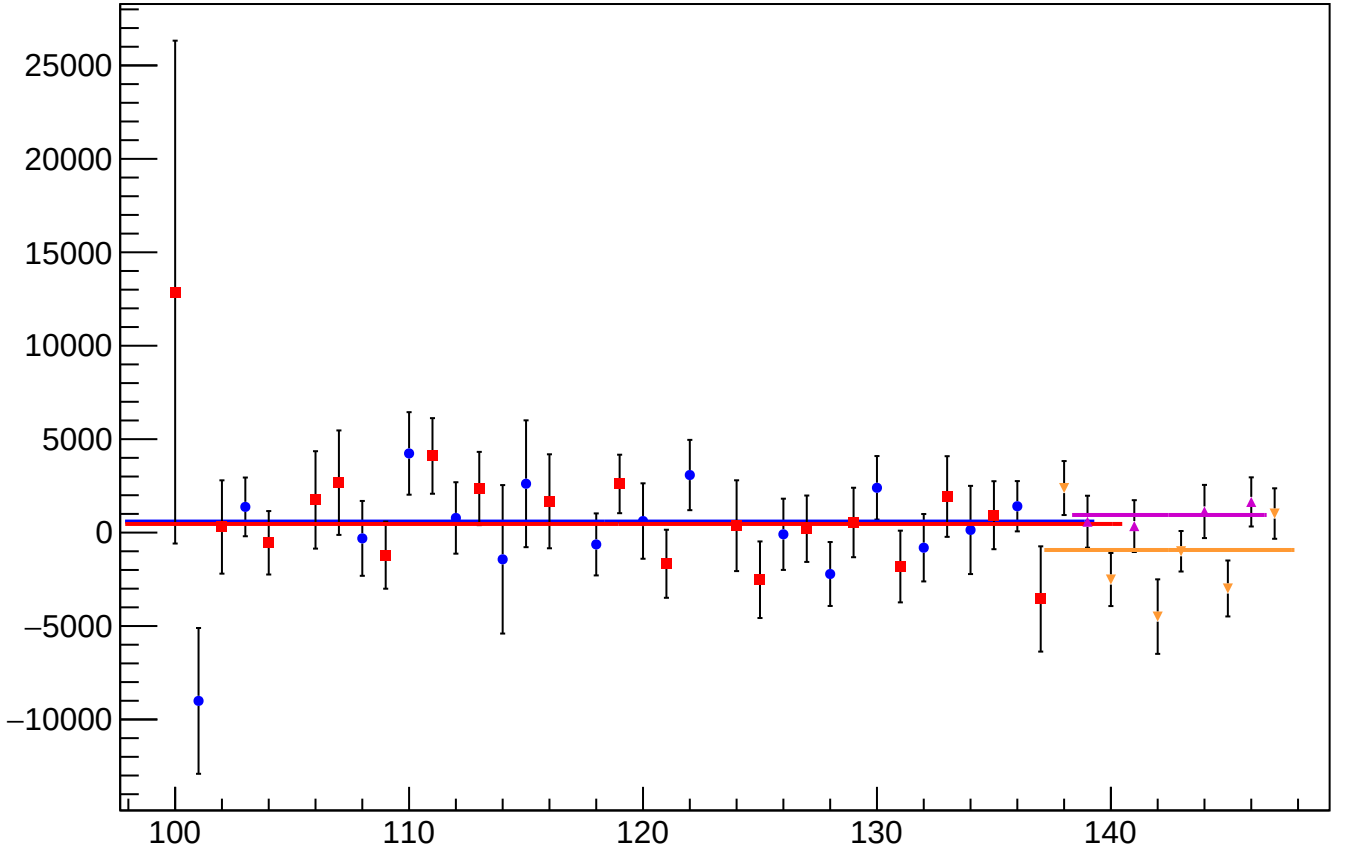
Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44

\- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.652+/-570.551 χ^2/NDF:13.7/5

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

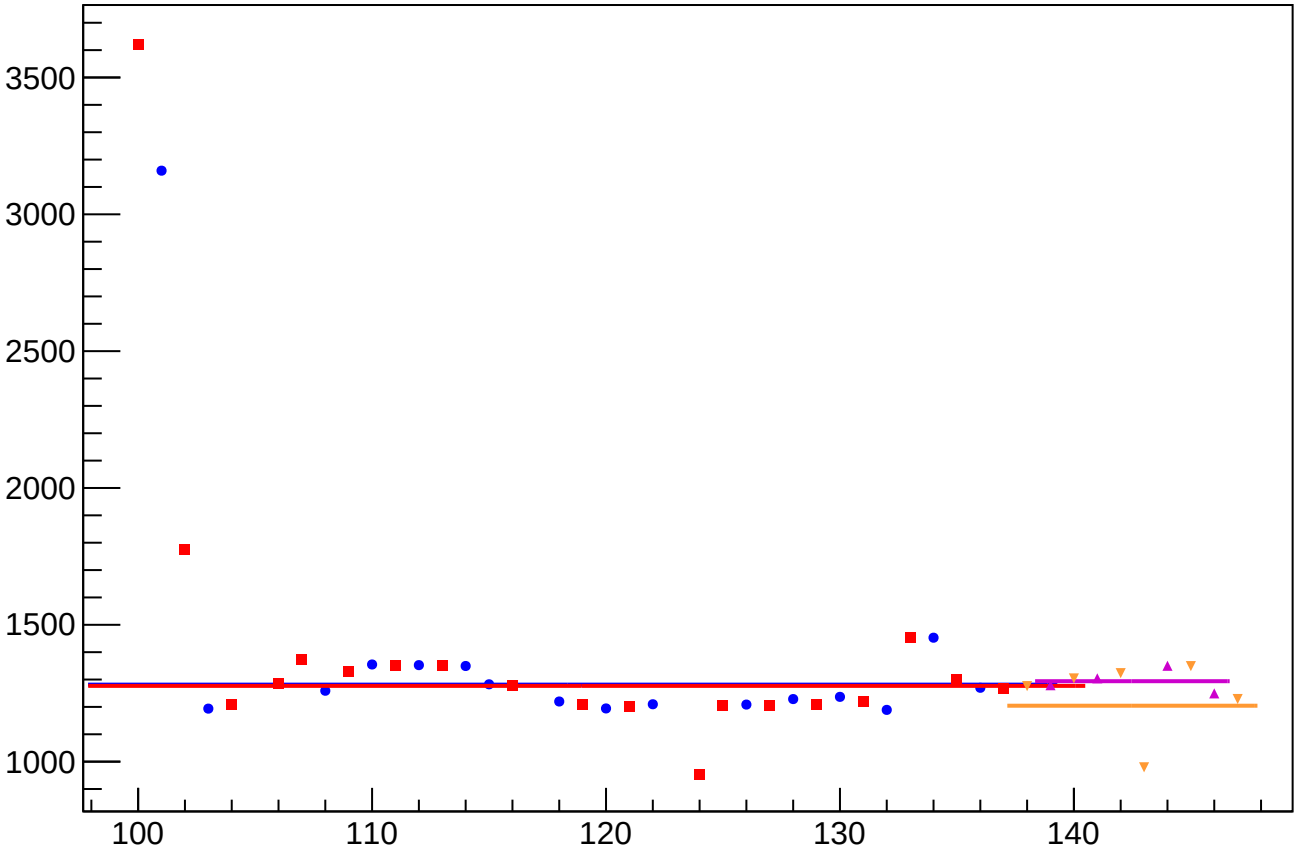
Left In: 942.900+/-688.596 χ^2/NDF:0.6/3

+ sign -48.434+/-369.744 χ^2/NDF: 34.9/21

All: 265.450+/-268.972 χ^2/NDF: 54.0/44

- sign 618.254+/-391.997 χ^2/NDF: 17.6/22

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

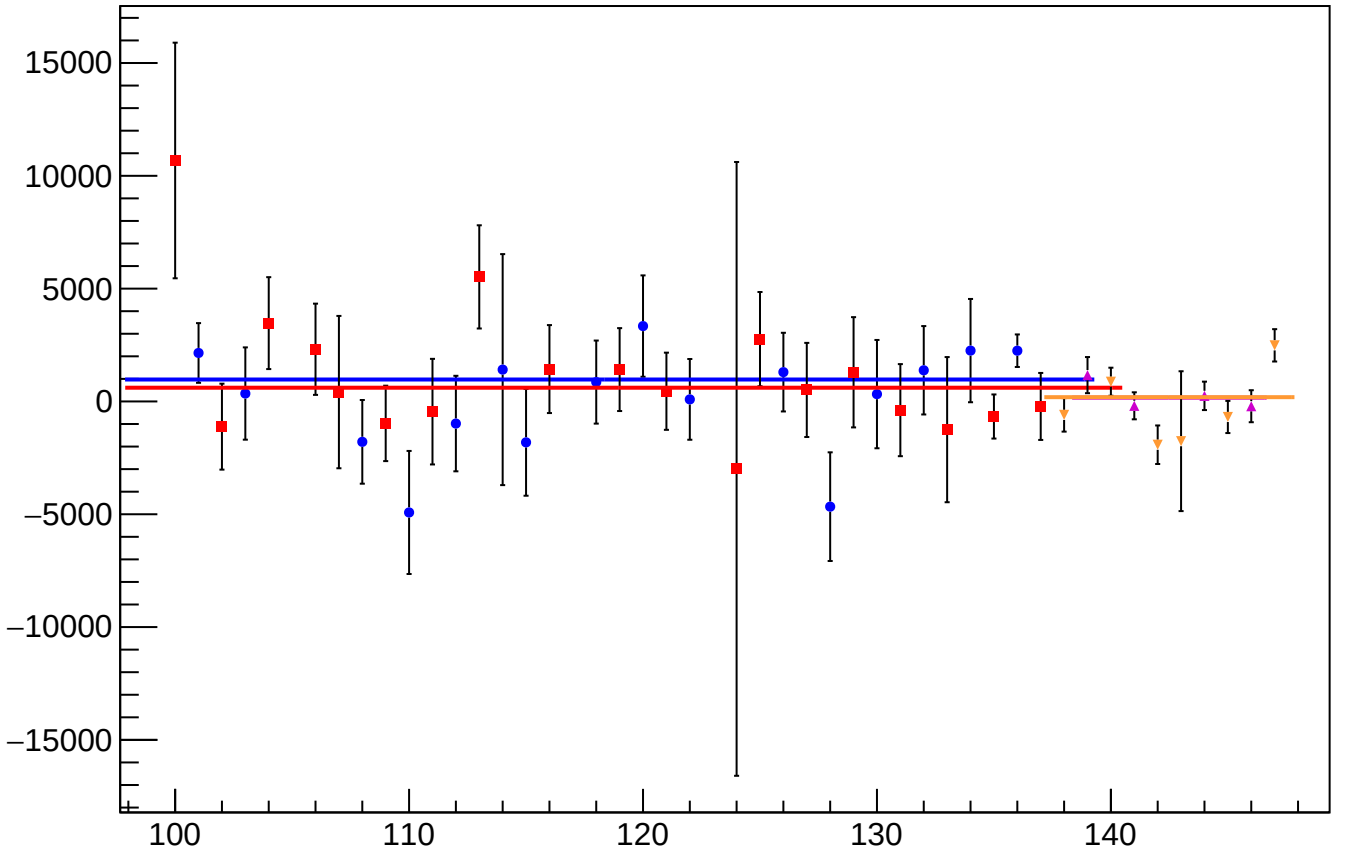
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1249.027+/-0.261 χ^2/NDF: 655676.5/21

All: 1264.738+/-0.190 χ^2/NDF: 890462.3/44

- sign 1282.397+/-0.277 χ^2/NDF: 227115.6/22



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

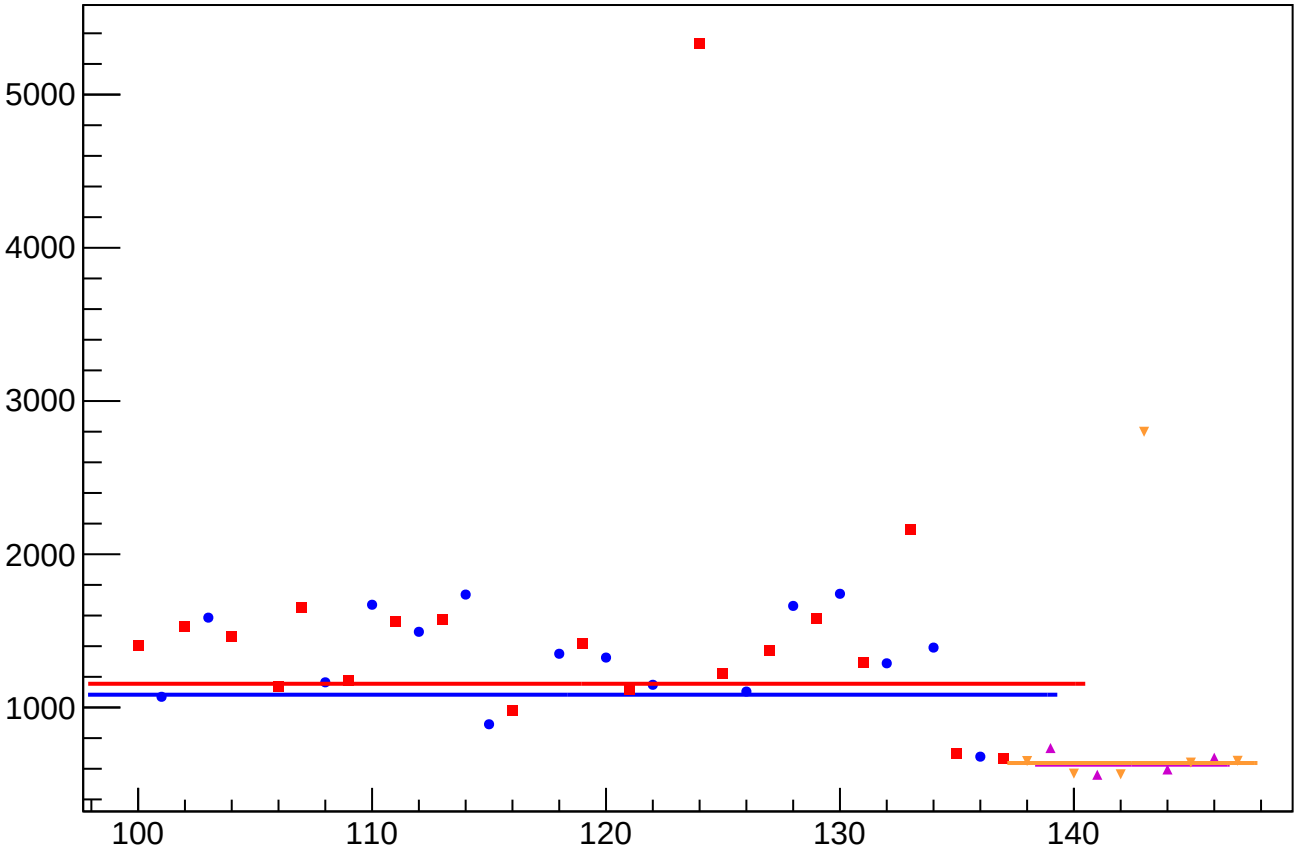
Left In: 167.395+/-335.989 χ^2/NDF:2.2/3

+ sign 471.790+/-255.475 χ^2/NDF: 43.2/21

All: 402.715+/-185.159 χ^2/NDF: 63.3/44

- sign 326.282+/-268.737 χ^2/NDF: 20.0/22

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: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

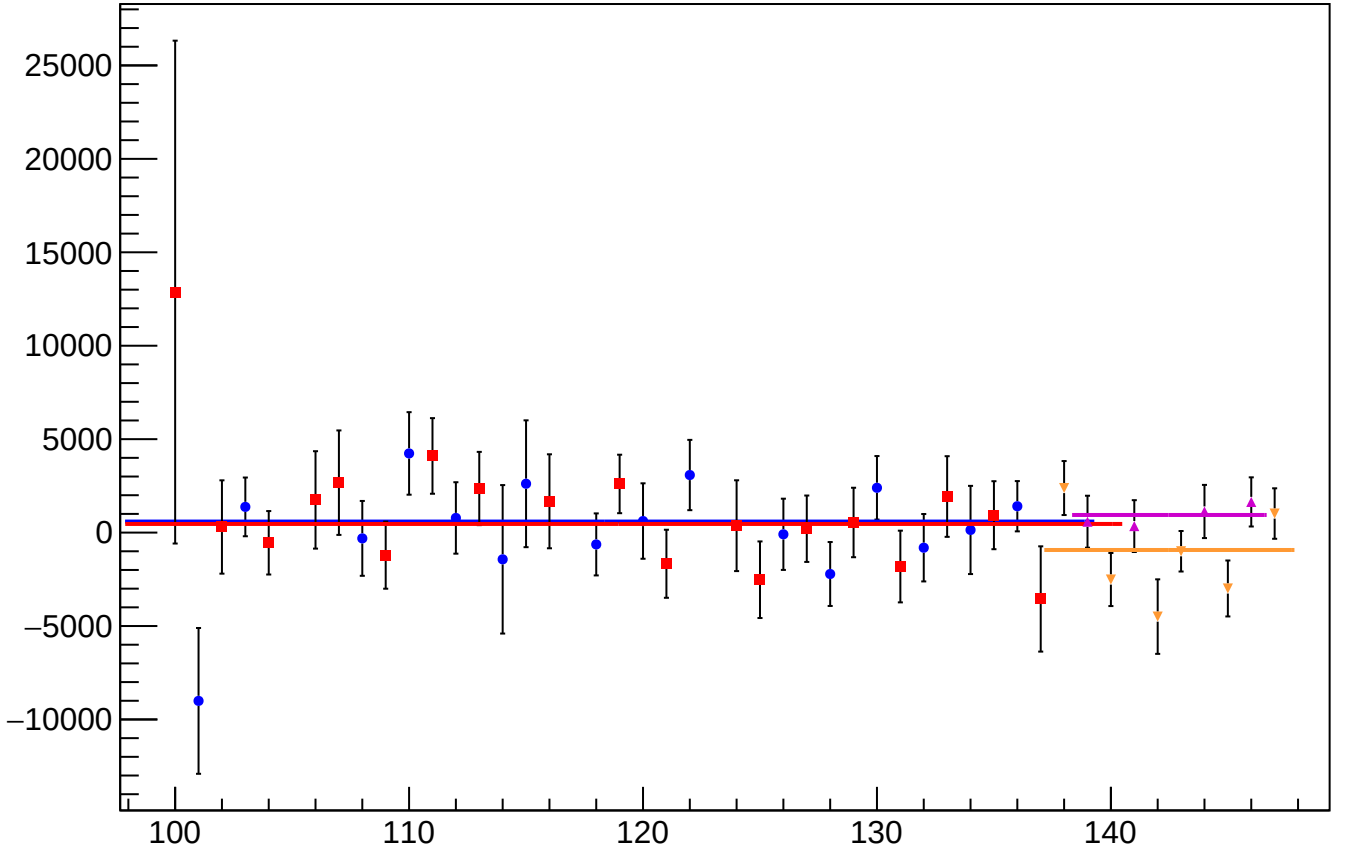
Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

+ sign 798.486+/-0.181 χ^2/NDF: 3779065.0/21

All: 807.187+/-0.131 χ^2/NDF: 7126929.9/44

- sign 816.816+/-0.190 χ^2/NDF: 3342977.4/22

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.653+/-570.551 χ^2/NDF:13.7/5

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

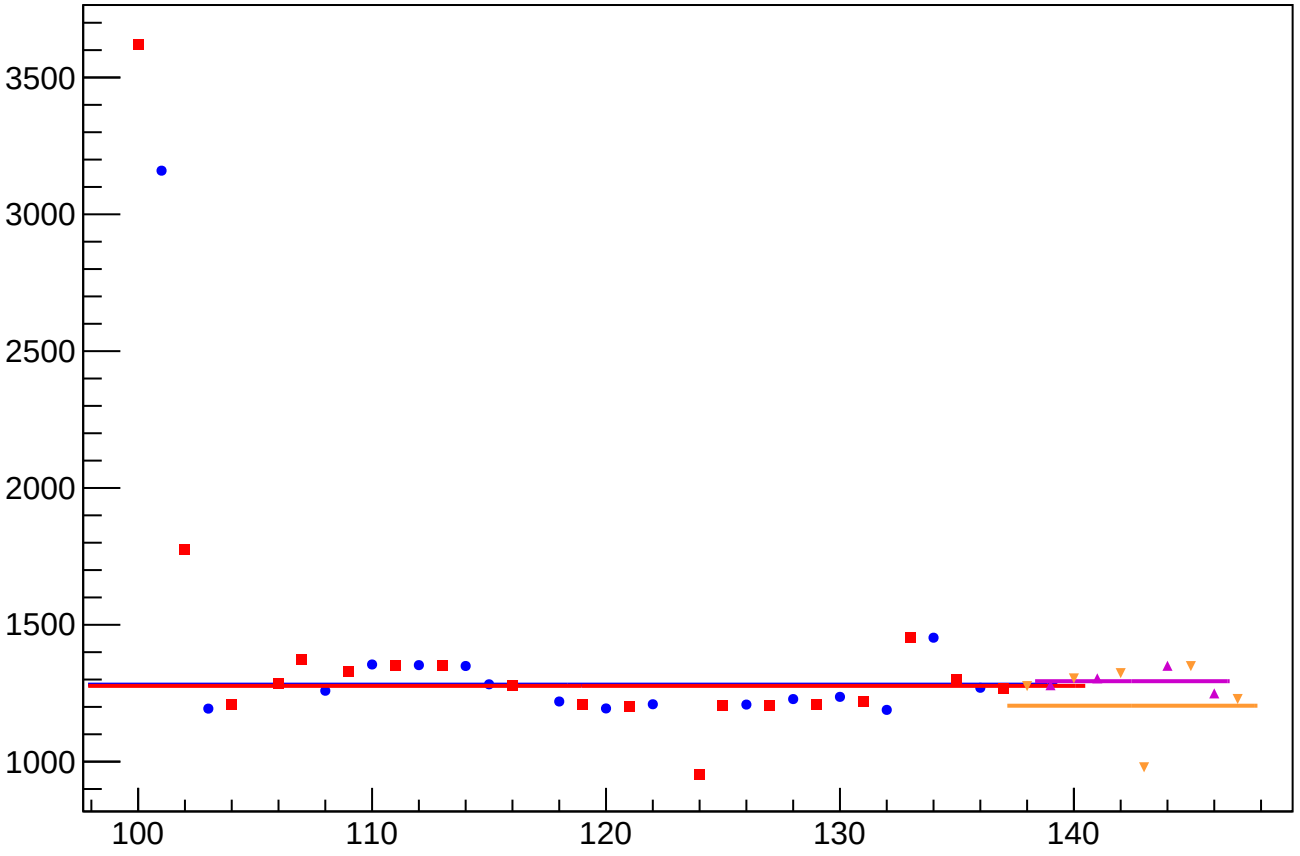
Left In: 942.907+/-688.596 χ^2/NDF:0.6/3

+ sign -48.433+/-369.744 χ^2/NDF: 34.9/21

All: 265.451+/-268.972 χ^2/NDF: 54.0/44

- sign 618.256+/-391.997 χ^2/NDF: 17.6/22

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: 1204.357+/-0.403 χ^2/NDF:127462.1/5

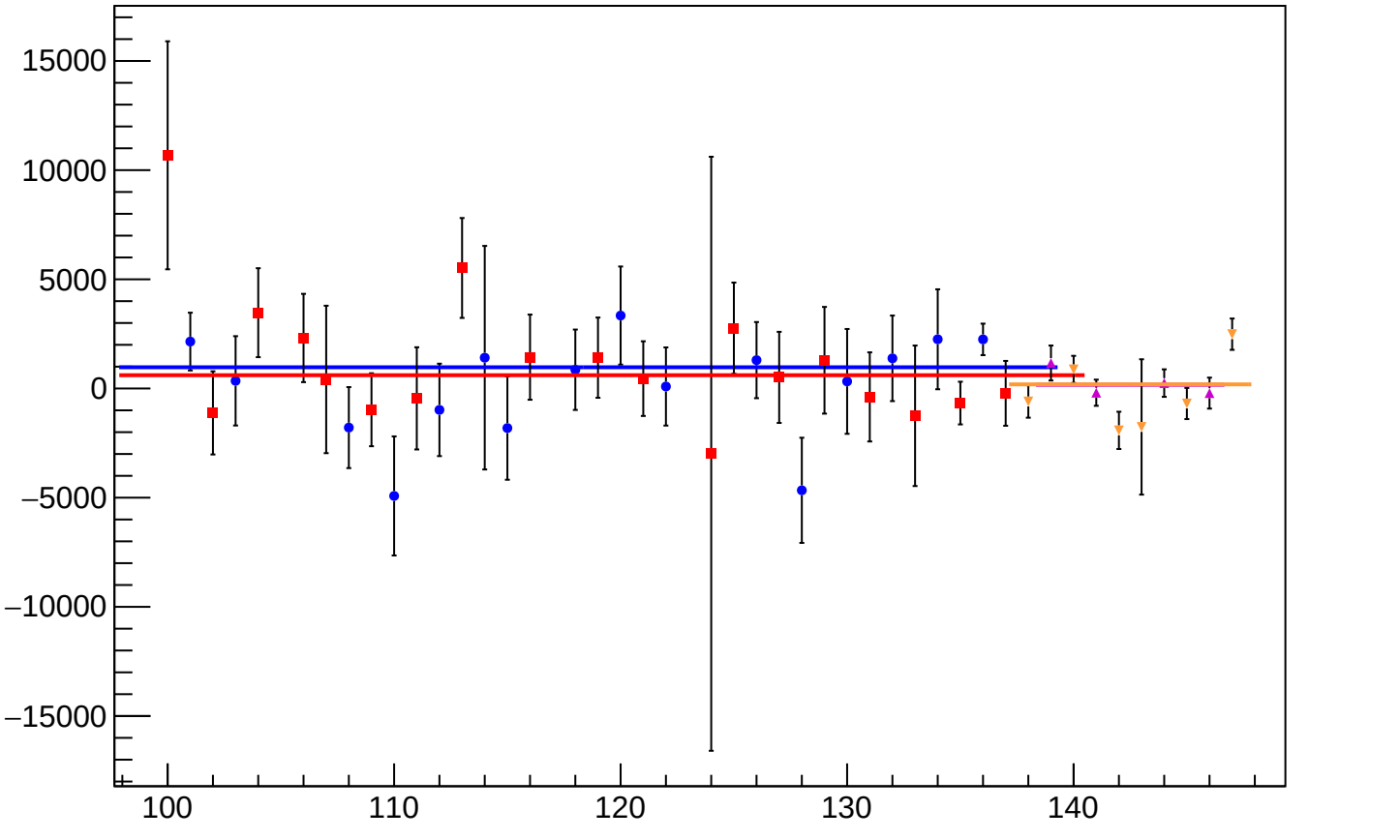
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1249.027+/-0.261 χ^2/NDF: 655675.8/21

All: 1264.738+/-0.190 χ^2/NDF: 890461.4/44

- sign 1282.397+/-0.277 χ^2/NDF: 227115.5/22



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

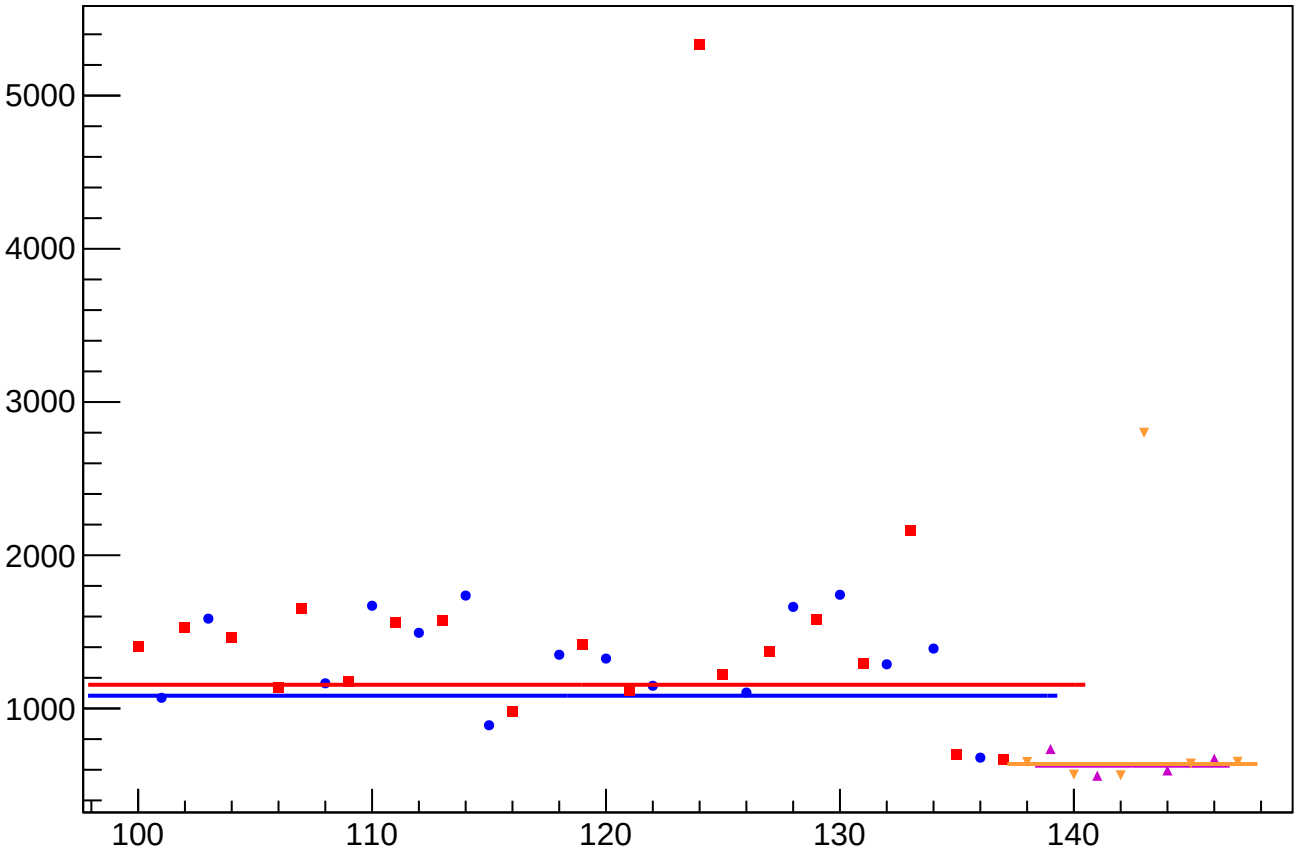
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 167.394+/-335.989 χ^2/NDF:2.2/3

+ sign 471.790+/-255.476 χ^2/NDF: 43.2/21

All: 402.715+/-185.160 χ^2/NDF: 63.3/44

- sign 326.284+/-268.737 χ^2/NDF: 20.0/22



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

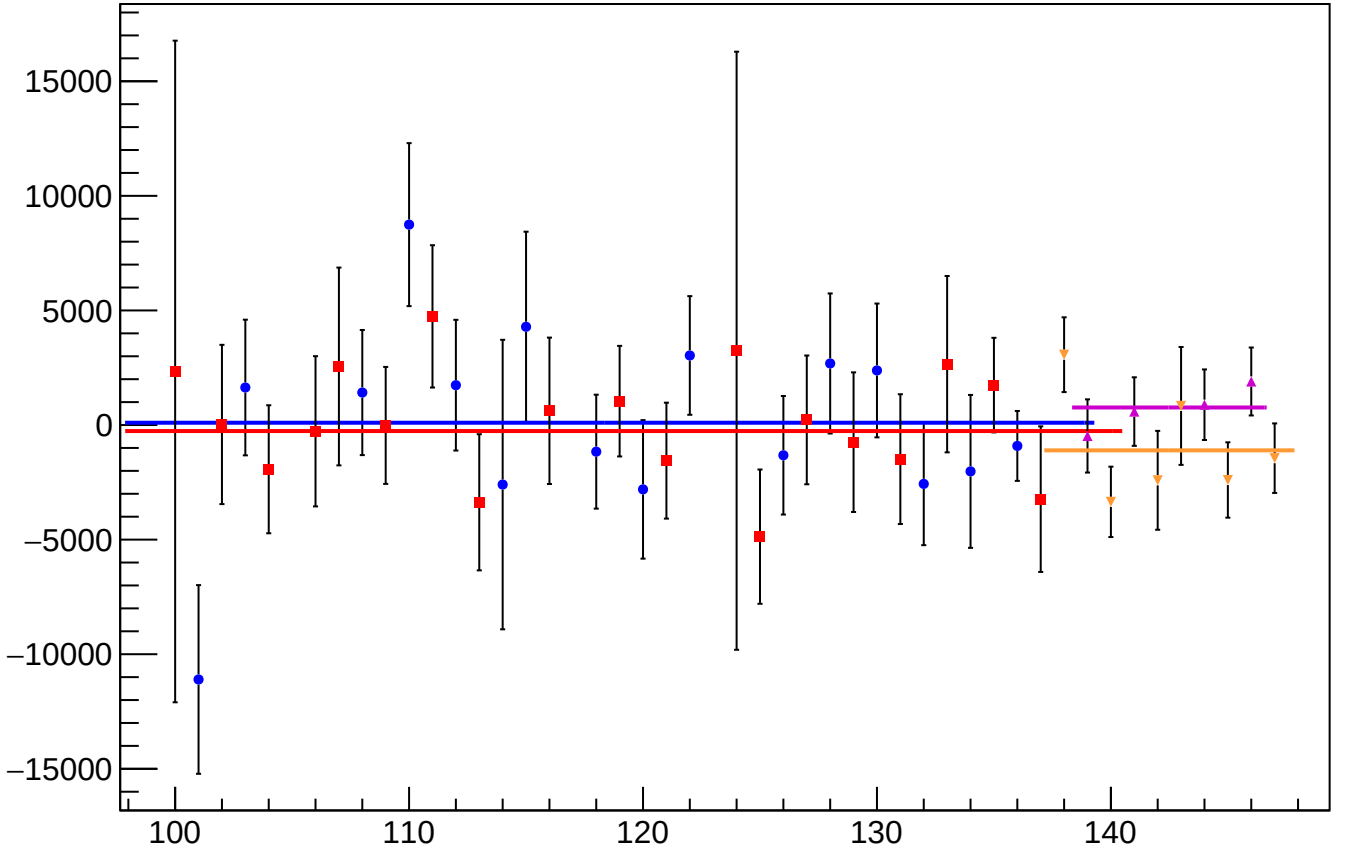
Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

+ sign 798.490+/-0.181 χ^2/NDF: 3779017.9/21

All: 807.190+/-0.131 χ^2/NDF: 7126871.1/44

- sign 816.817+/-0.190 χ^2/NDF: 3342967.0/22

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

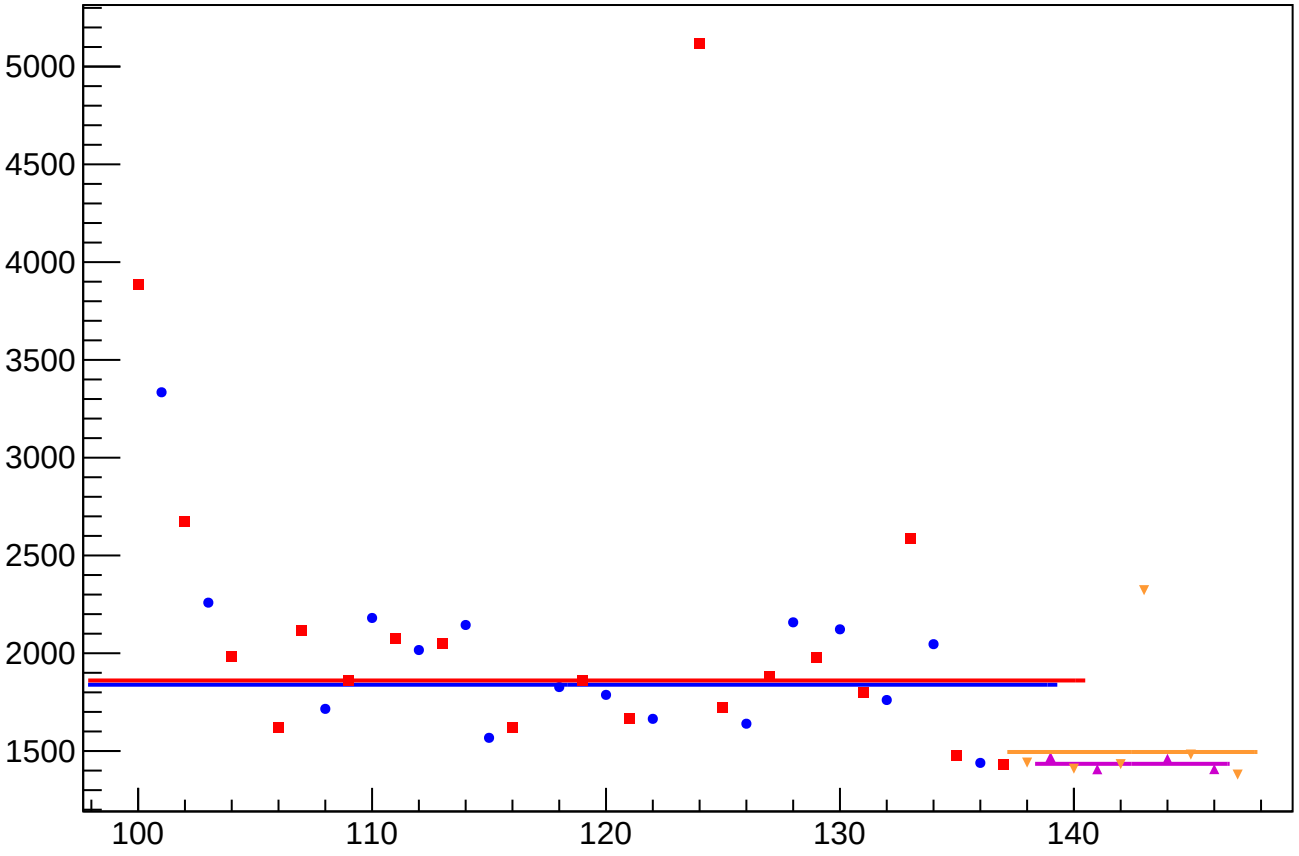
Left In: 765.959+/-763.330 χ^2/NDF:1.2/3

+ sign -490.920+/-498.912 χ^2/NDF: 33.0/21

All: -153.586+/-358.607 χ^2/NDF: 46.5/44

- sign 206.976+/-515.803 χ^2/NDF: 12.5/22

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1495.063+/-0.504 χ^2/NDF:228726.4/5

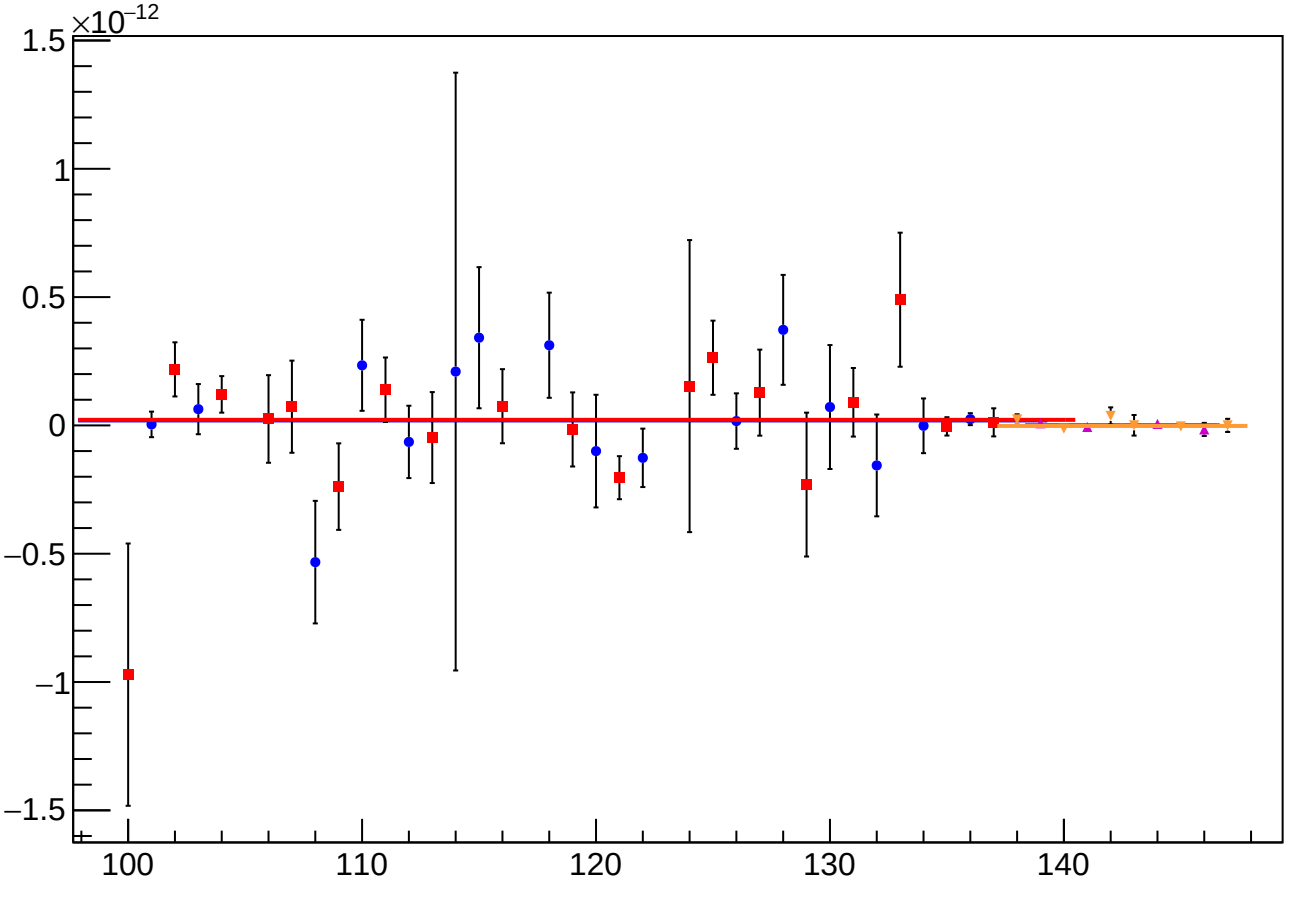
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

+ sign 1670.345+/-0.353 χ^2/NDF: 1023142.2/21

All: 1668.316+/-0.254 χ^2/NDF: 1887001.8/44

- sign 1666.147+/-0.365 χ^2/NDF: 863791.2/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

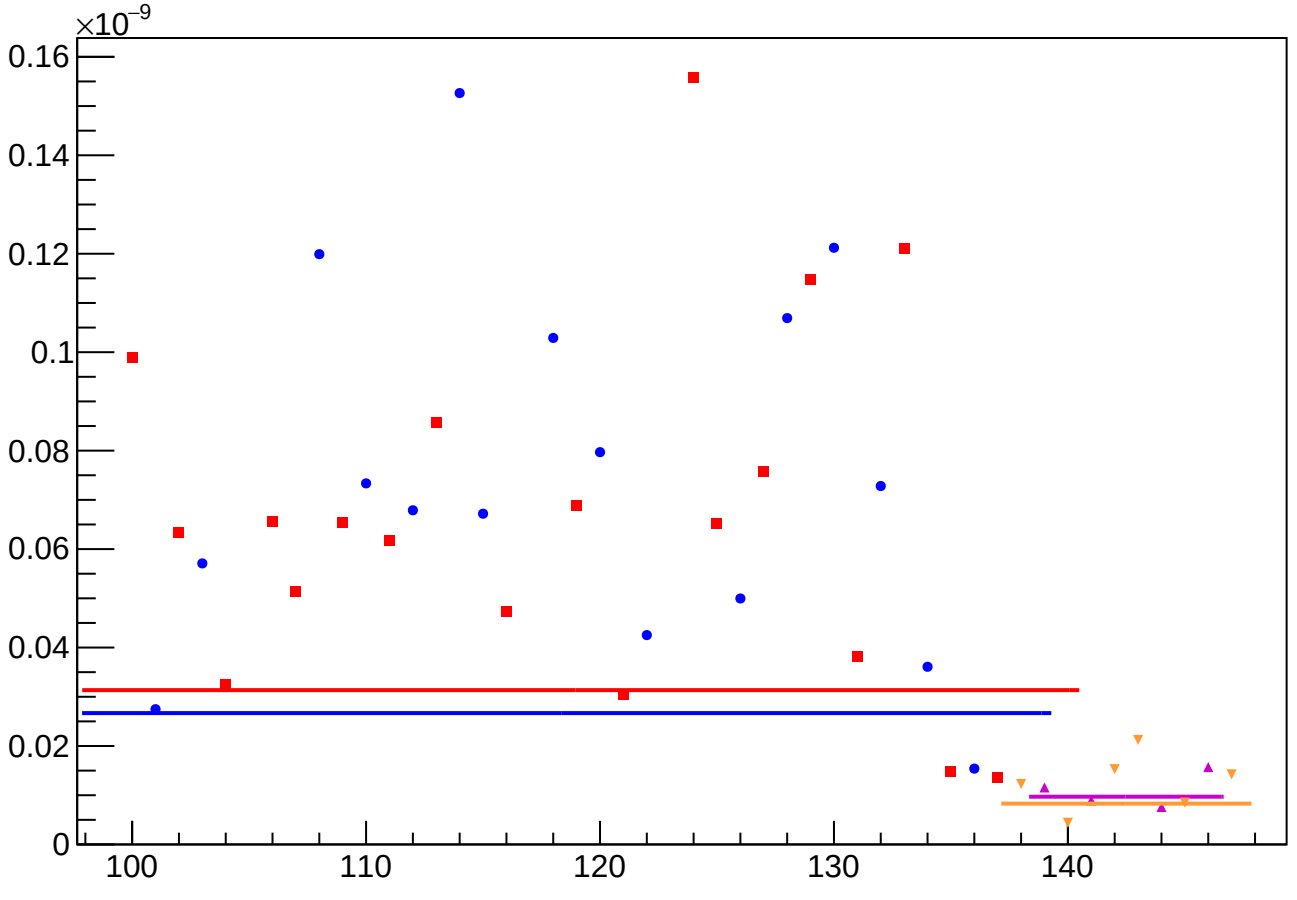
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 51.5/44

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

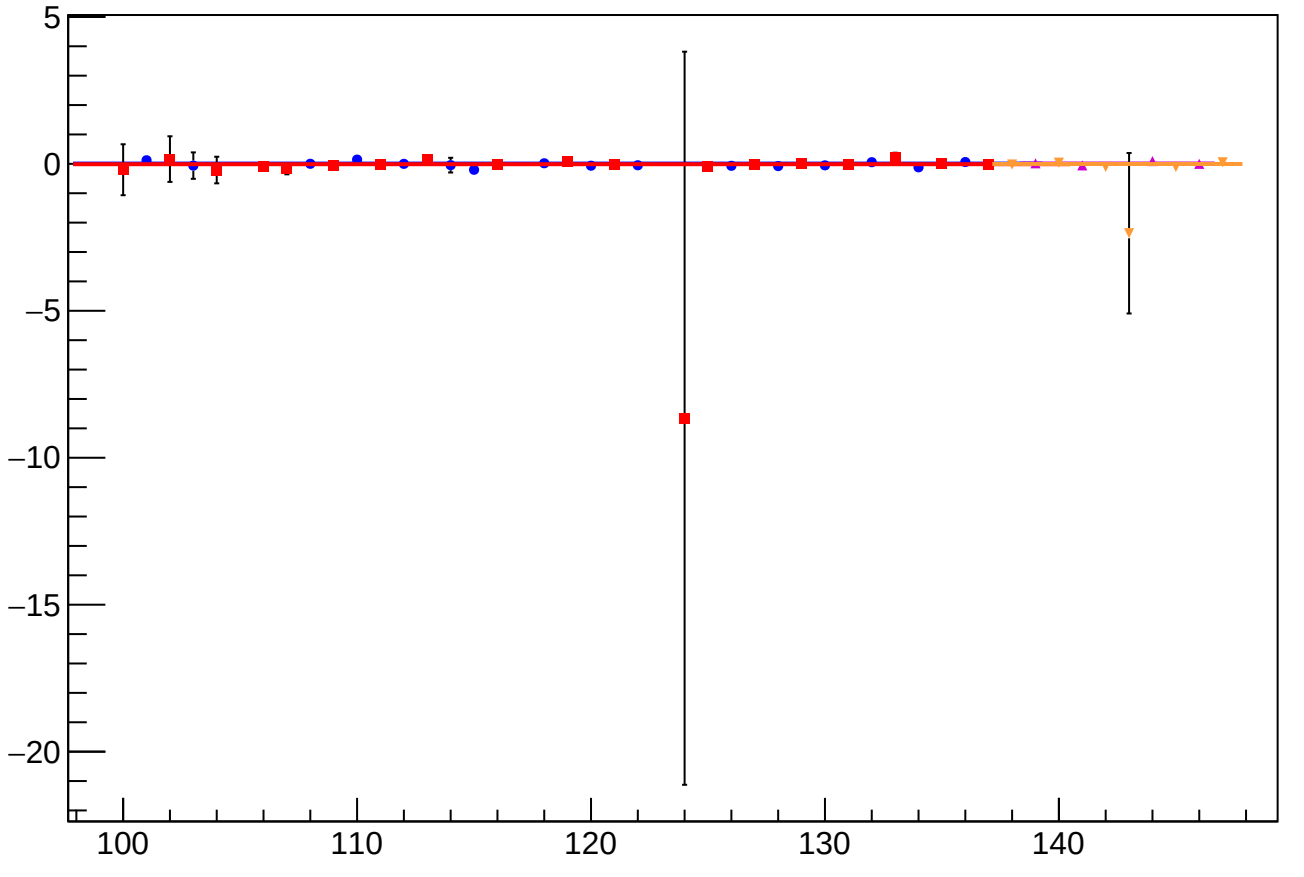
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4988047.5/21

All: 0.000+/-0.000 χ^2/NDF: 9148412.7/44

- sign 0.000+/-0.000 χ^2/NDF: 4105340.7/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

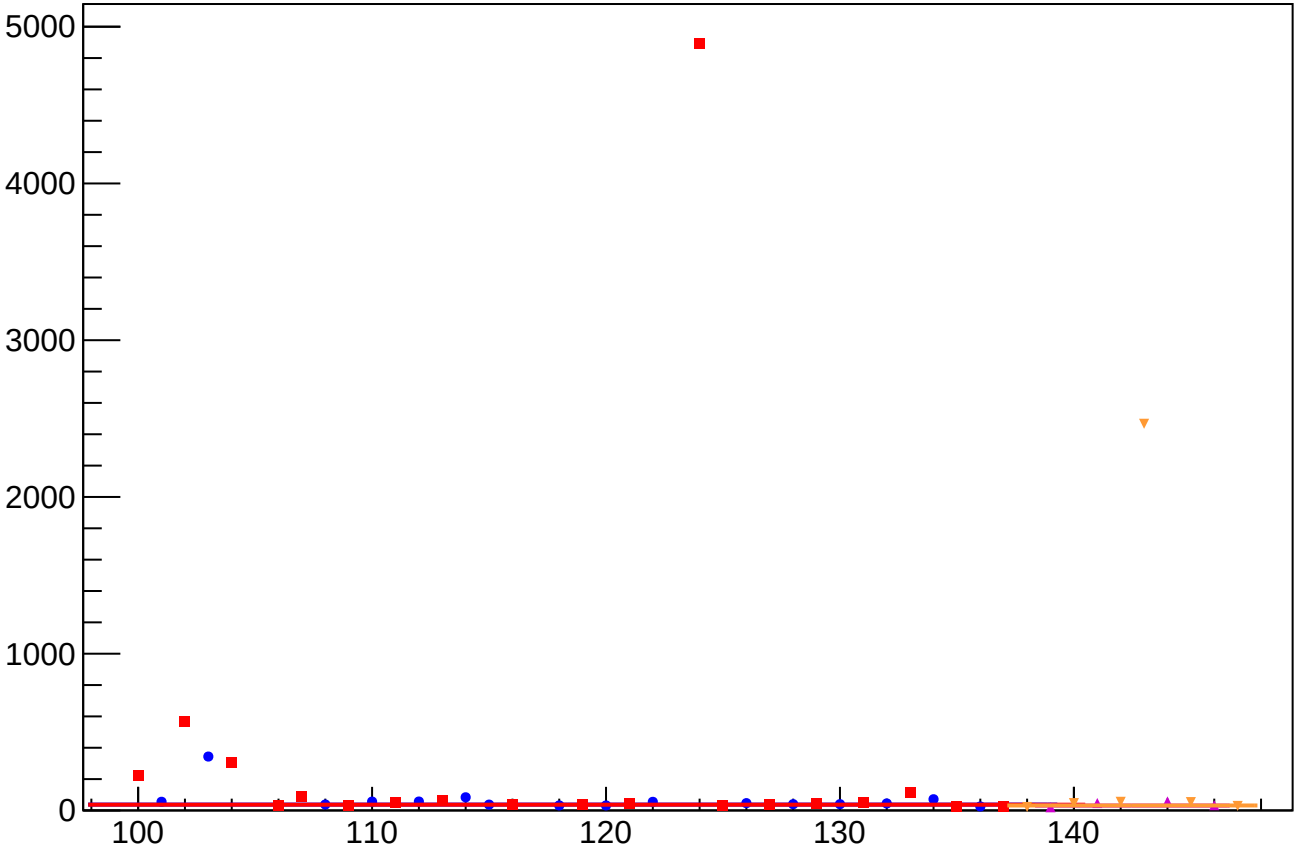
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

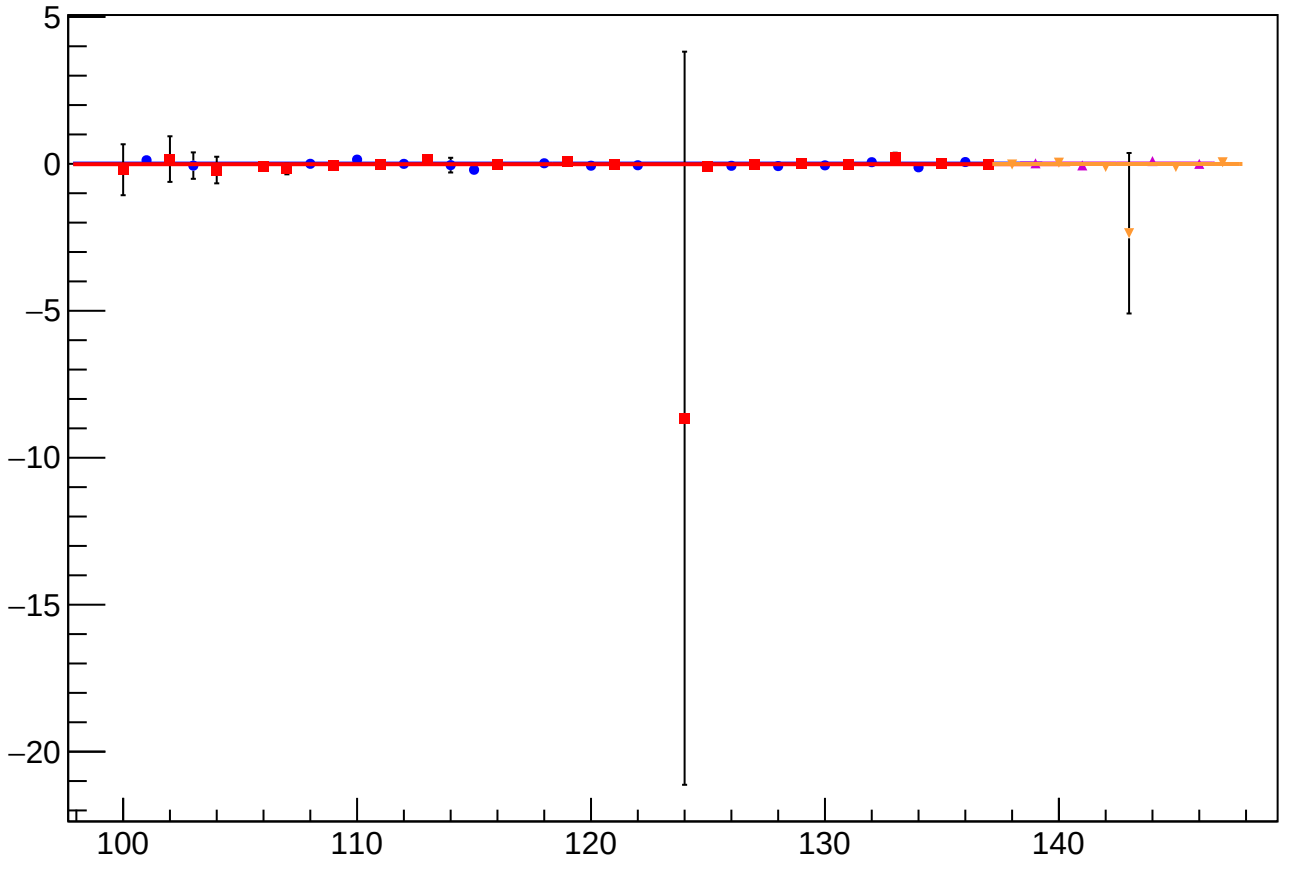
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

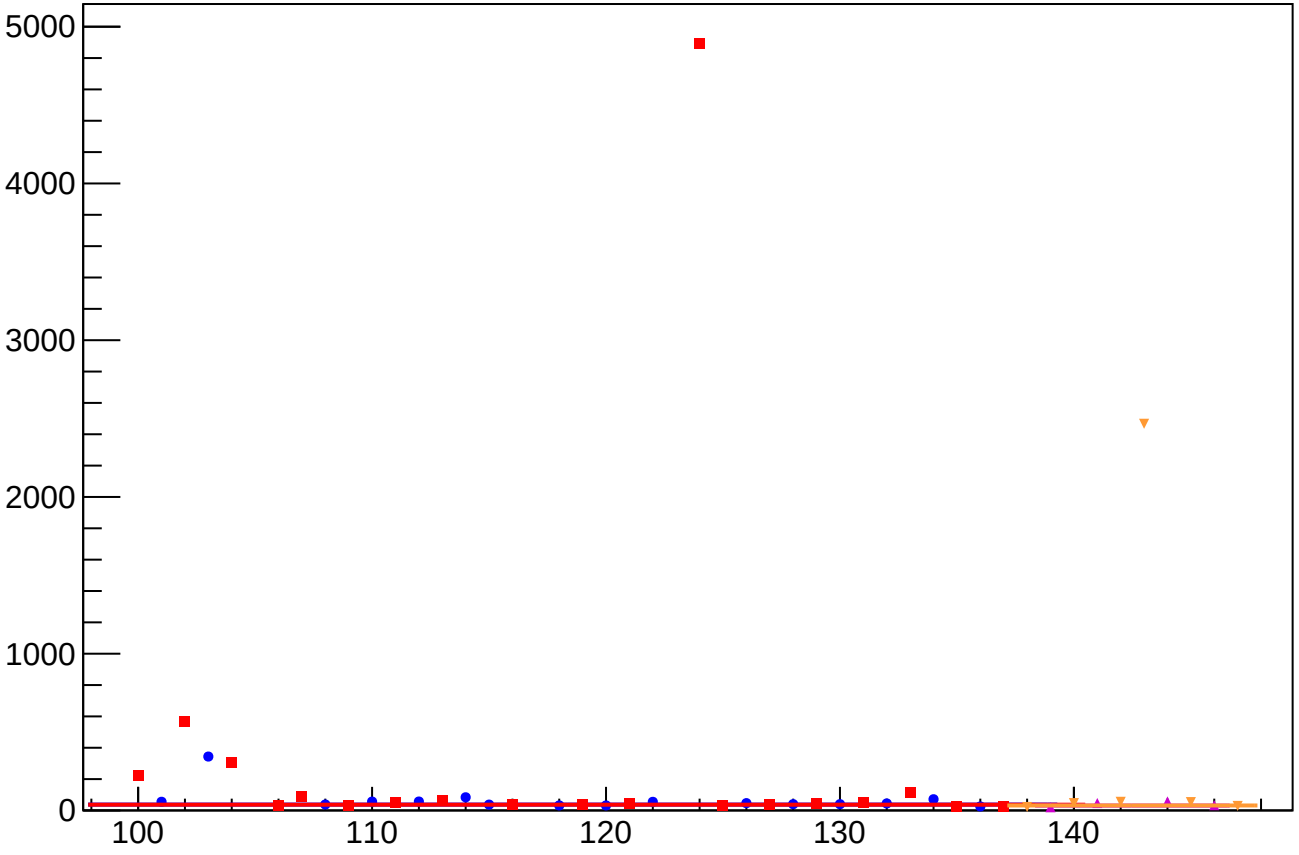
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

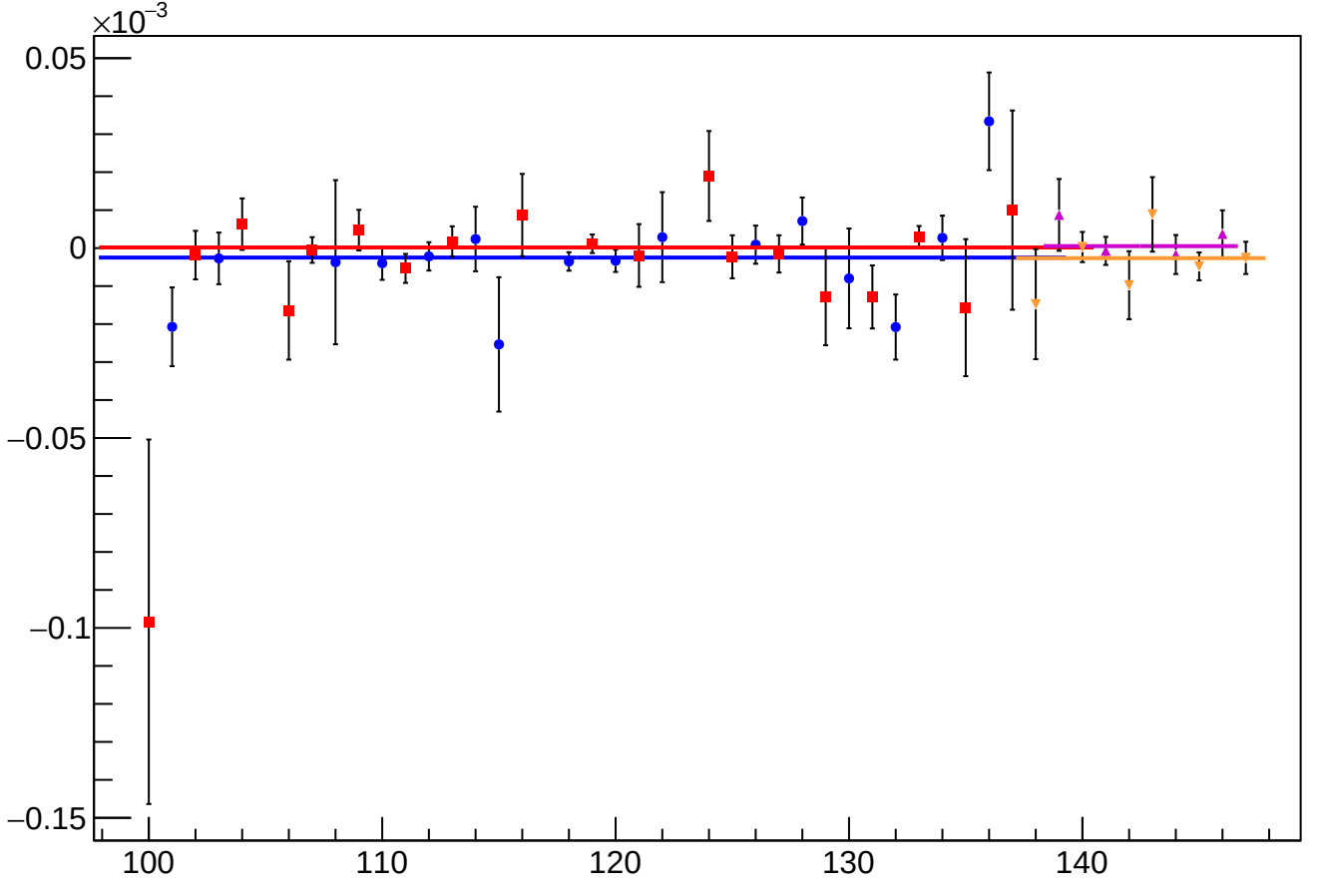
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

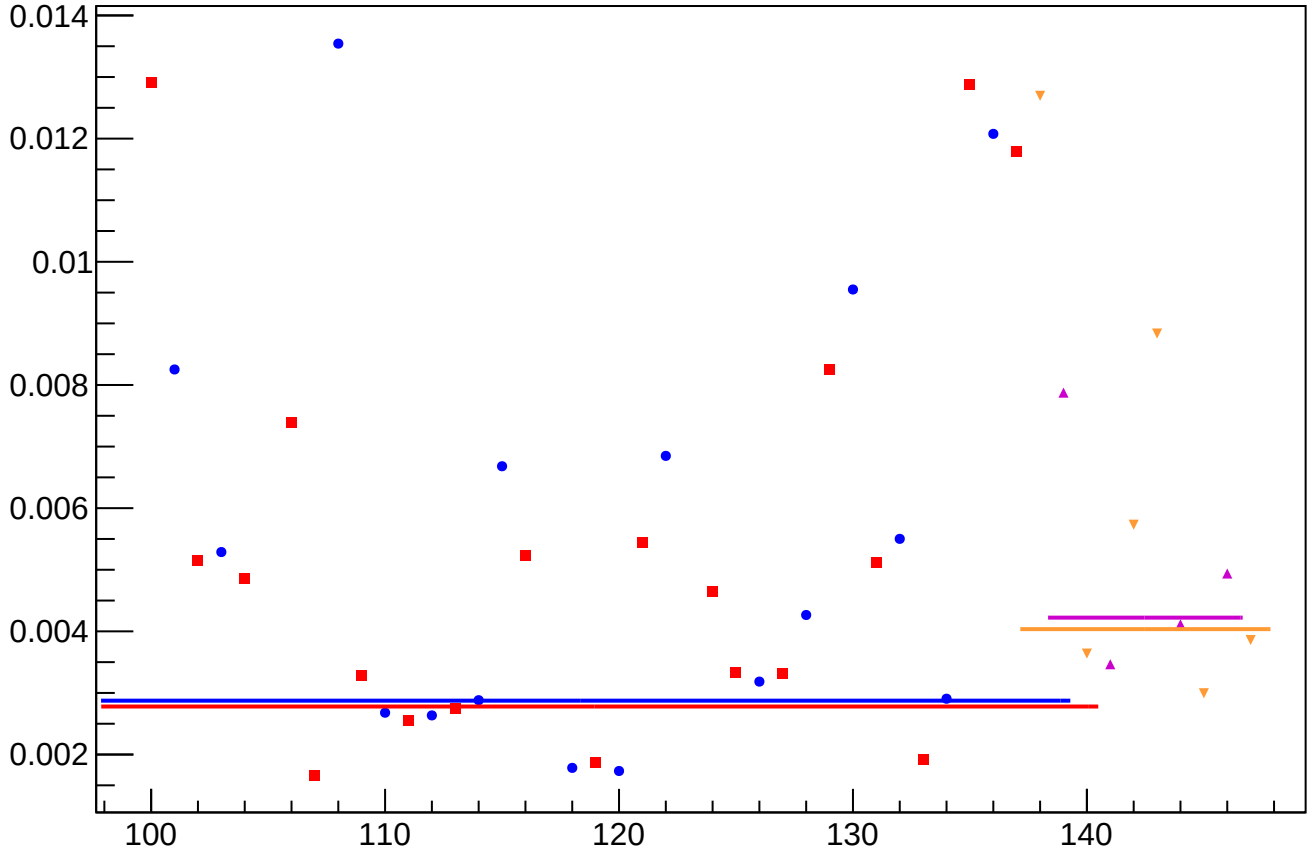
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/21

All: -0.000+/-0.000 χ^2/NDF: 48.8/44

- sign 0.000+/-0.000 χ^2/NDF: 20.2/22



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449080.1/5

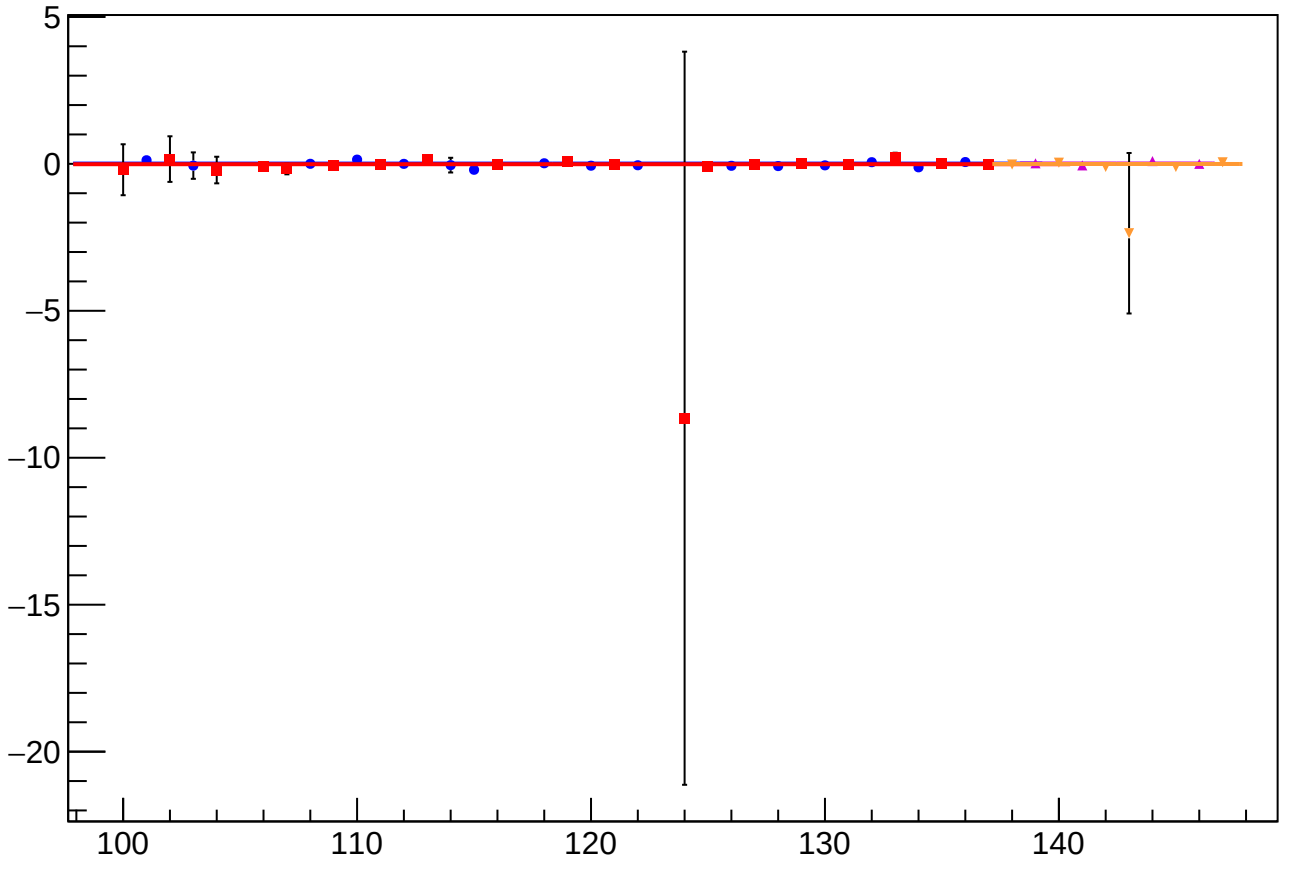
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

+ sign 0.003+/-0.000 χ^2/NDF: 6033746.6/21

All: 0.003+/-0.000 χ^2/NDF: 10291086.9/44

- sign 0.003+/-0.000 χ^2/NDF: 4233753.0/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

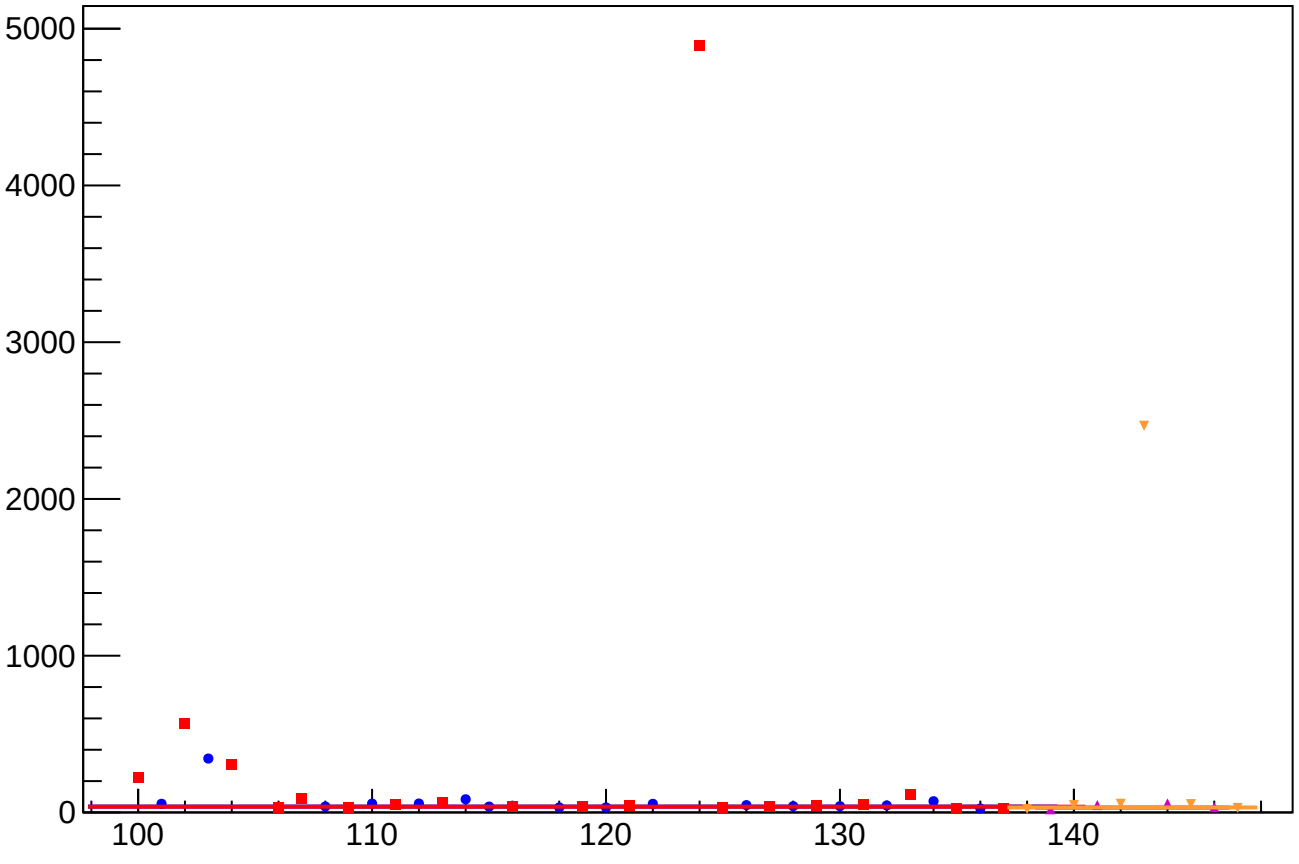
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 31.779+/-0.013 χ^2/NDF:2394231.8/5

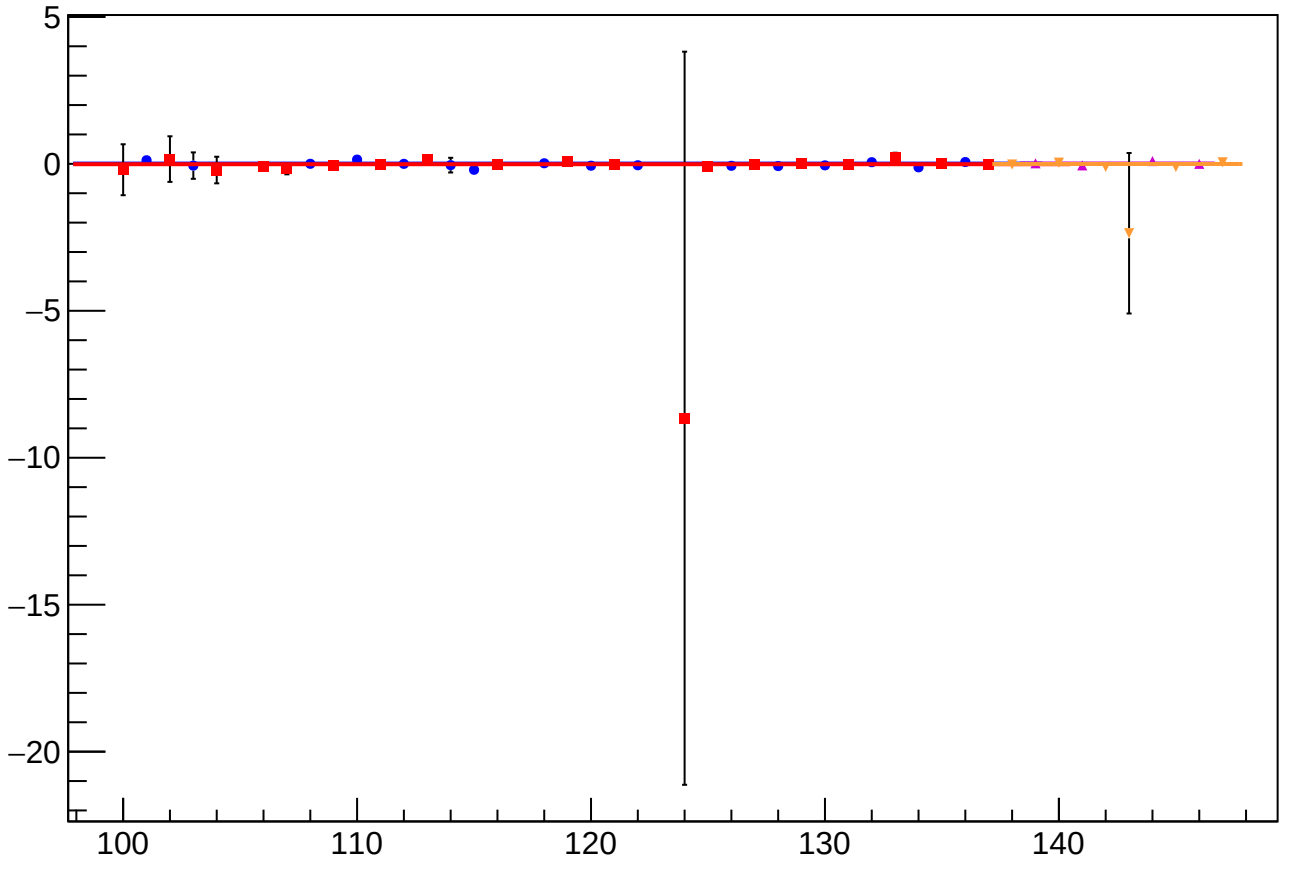
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

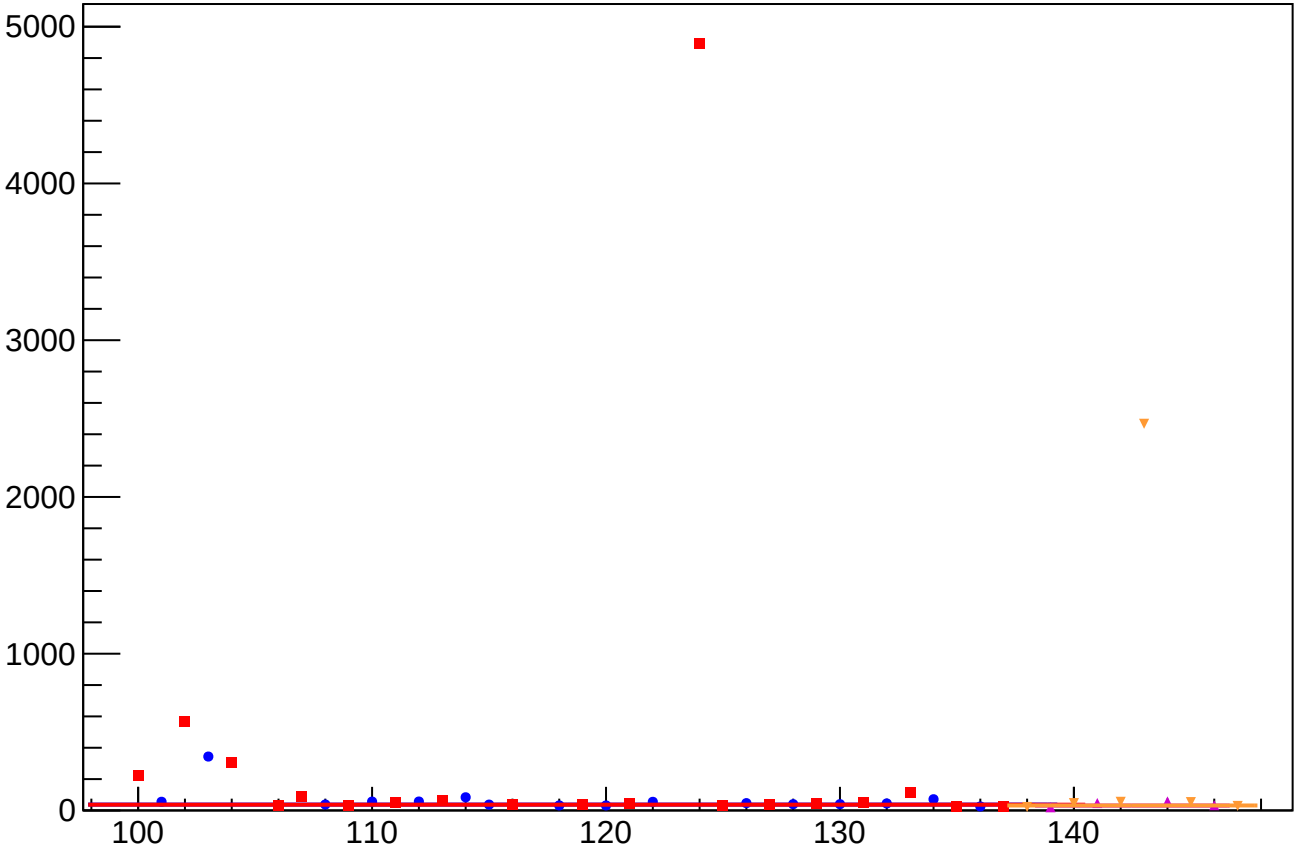
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

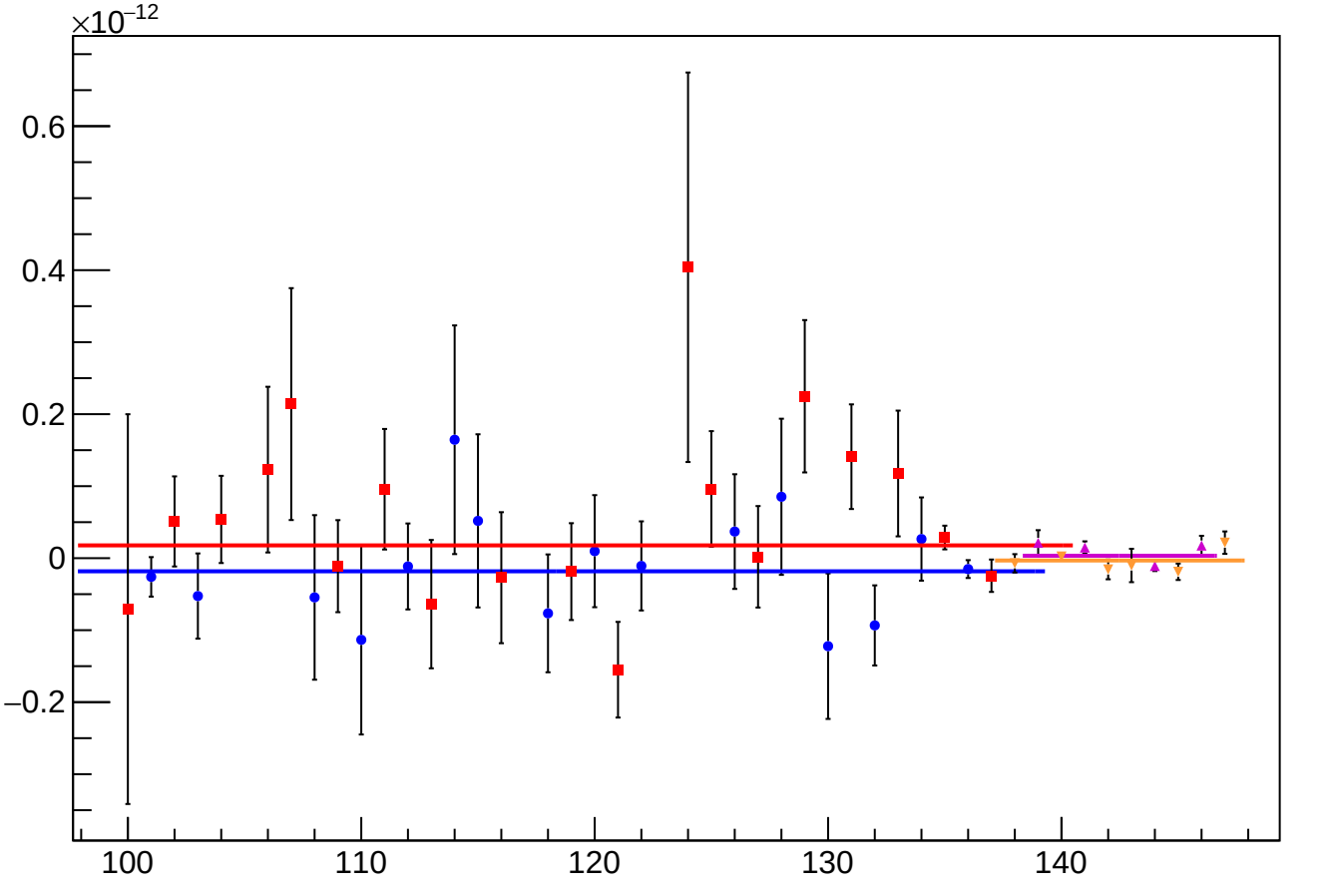
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

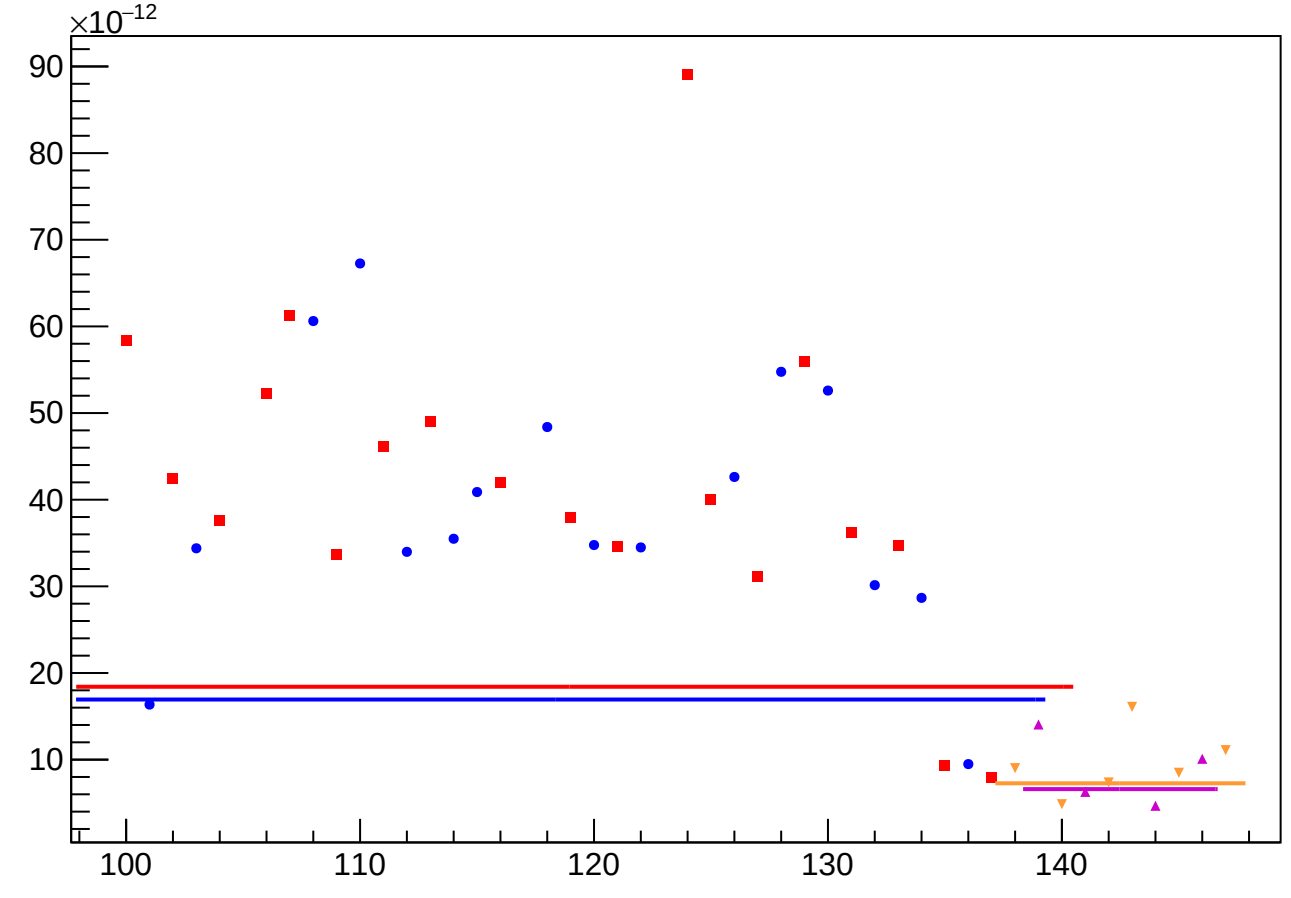
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/21

All: -0.000+/-0.000 χ^2/NDF: 56.6/44

- sign 0.000+/-0.000 χ^2/NDF: 36.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:726701.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

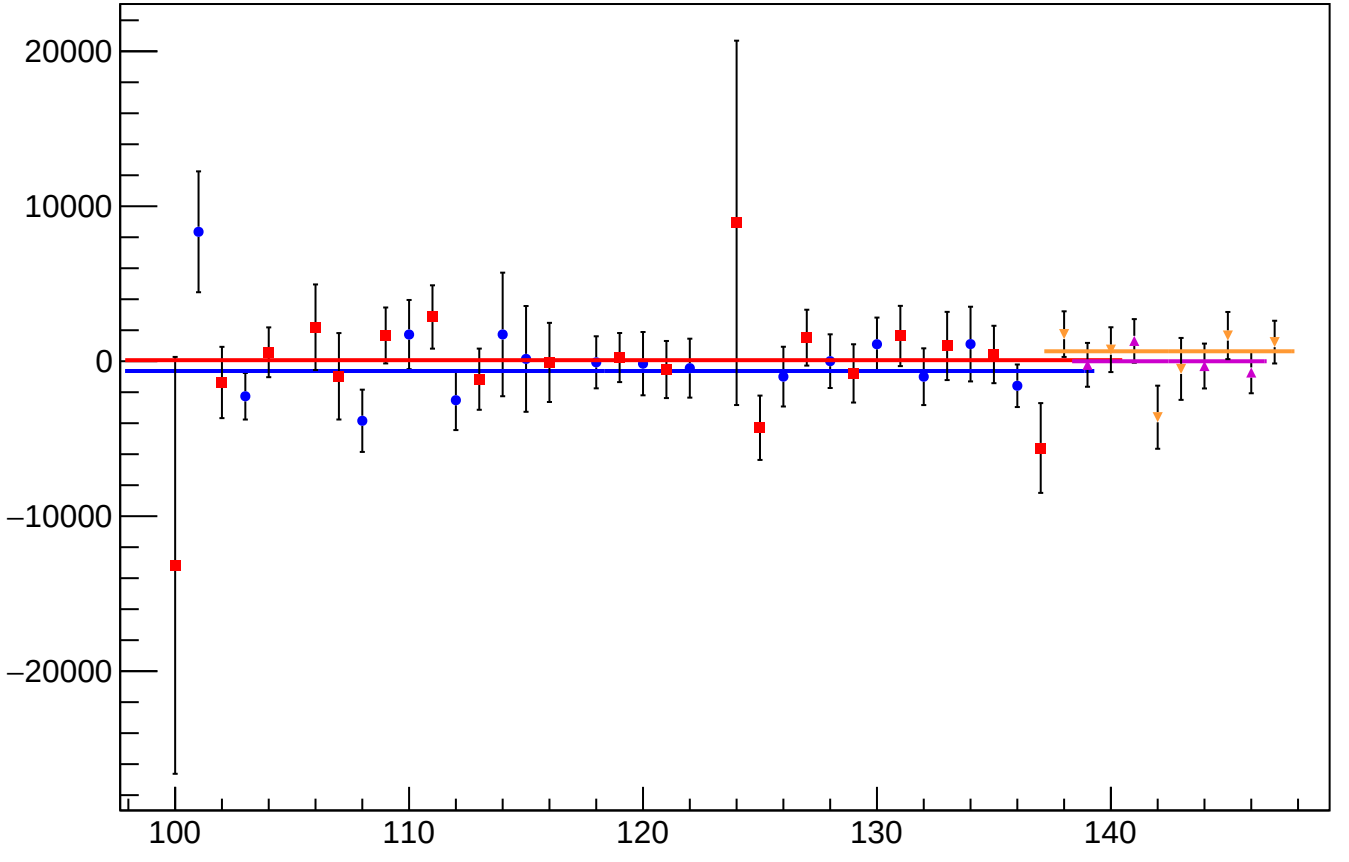
Left In: 0.000+/-0.000 χ^2/NDF:646217.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5499232.5/21

All: 0.000+/-0.000 χ^2/NDF: 11746285.6/44

- sign 0.000+/-0.000 χ^2/NDF: 6235035.7/22

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

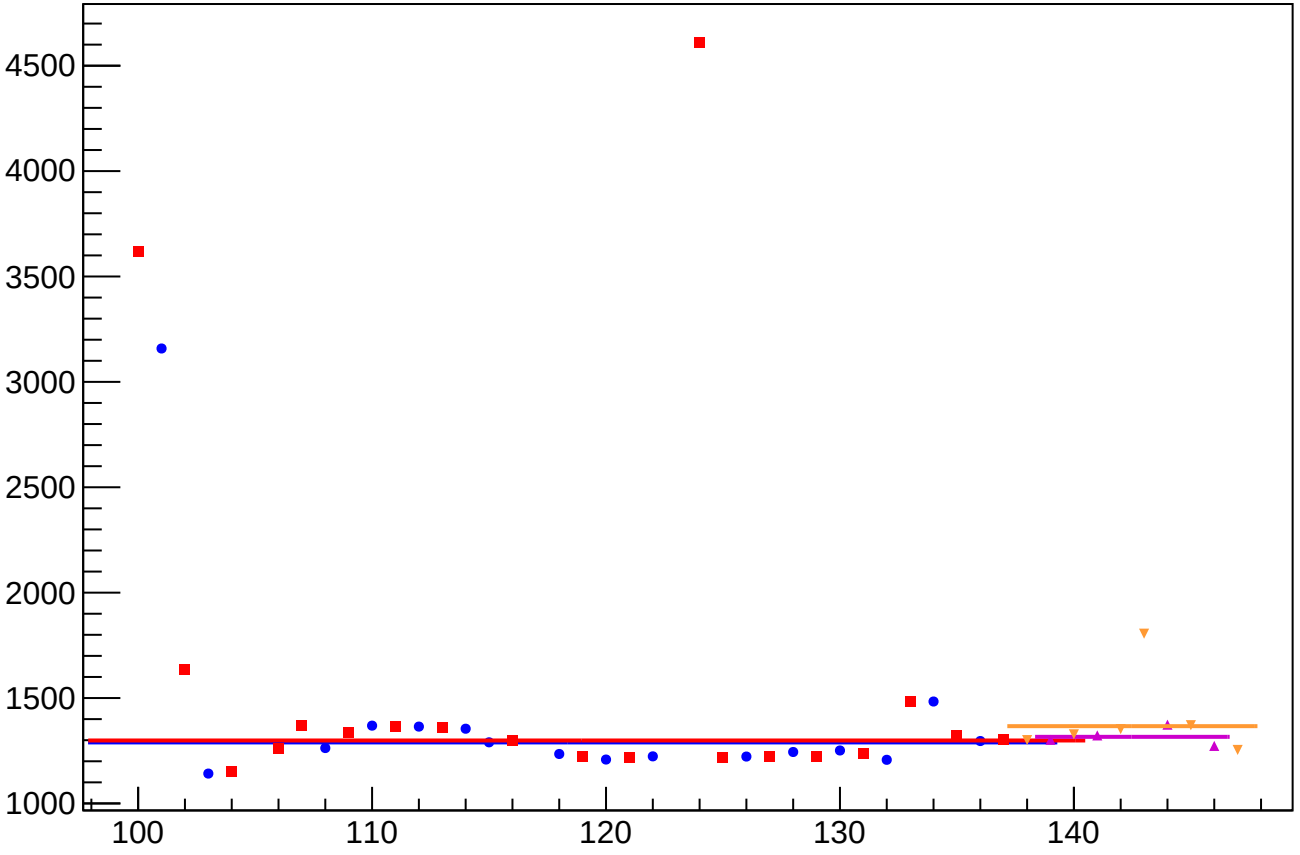
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -64.724+/-279.295 χ^2/NDF: 39.5/44

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

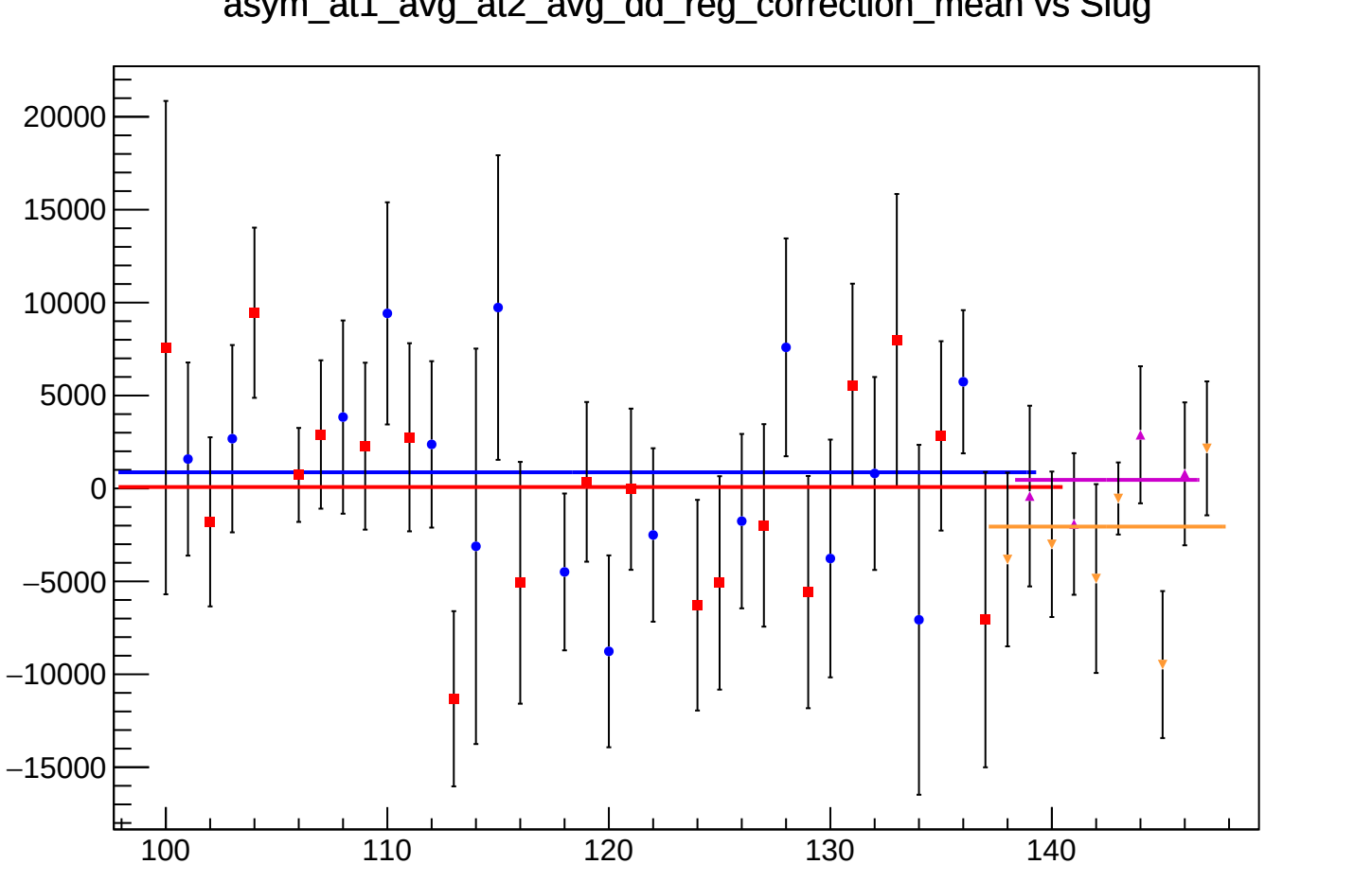
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

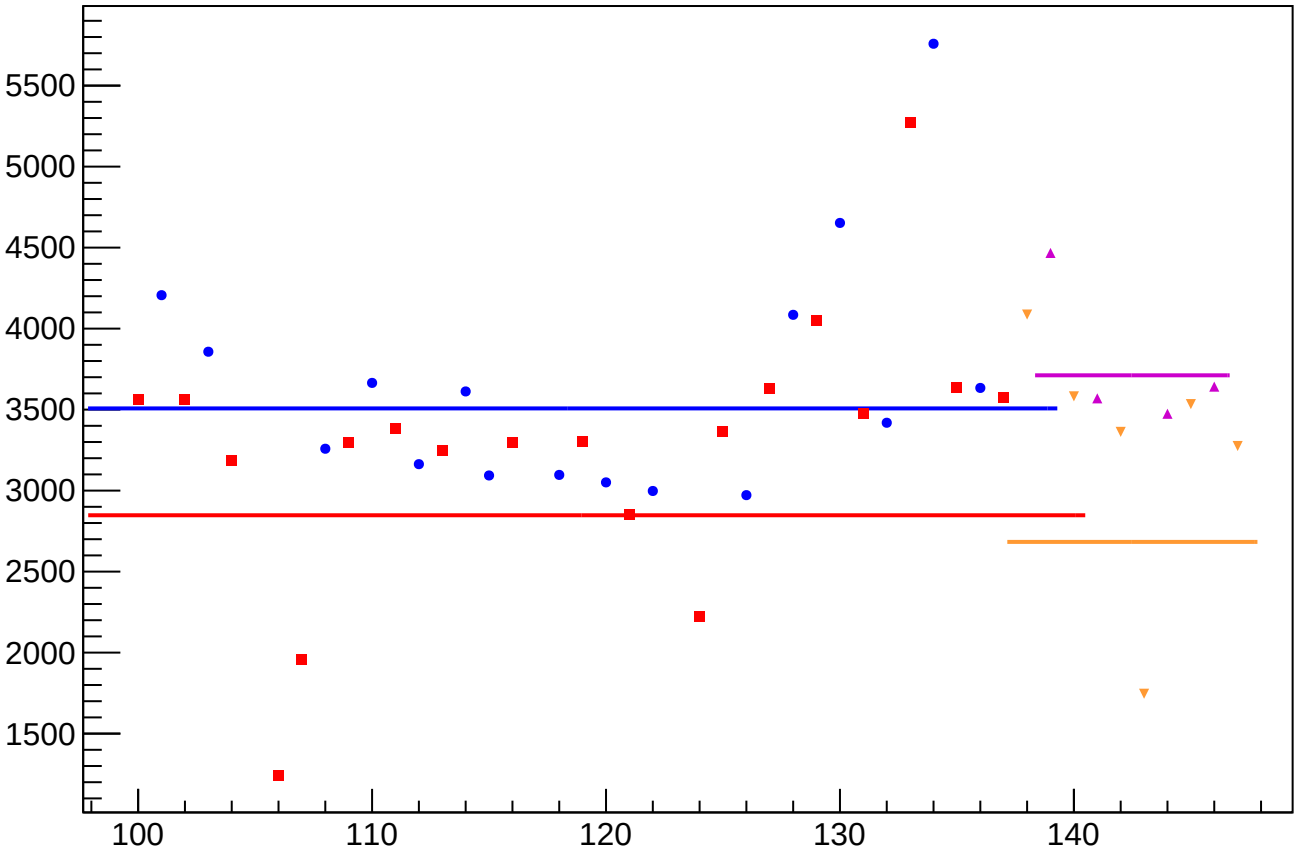
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -213.857+/-675.992 χ^2/NDF: 42.0/44

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

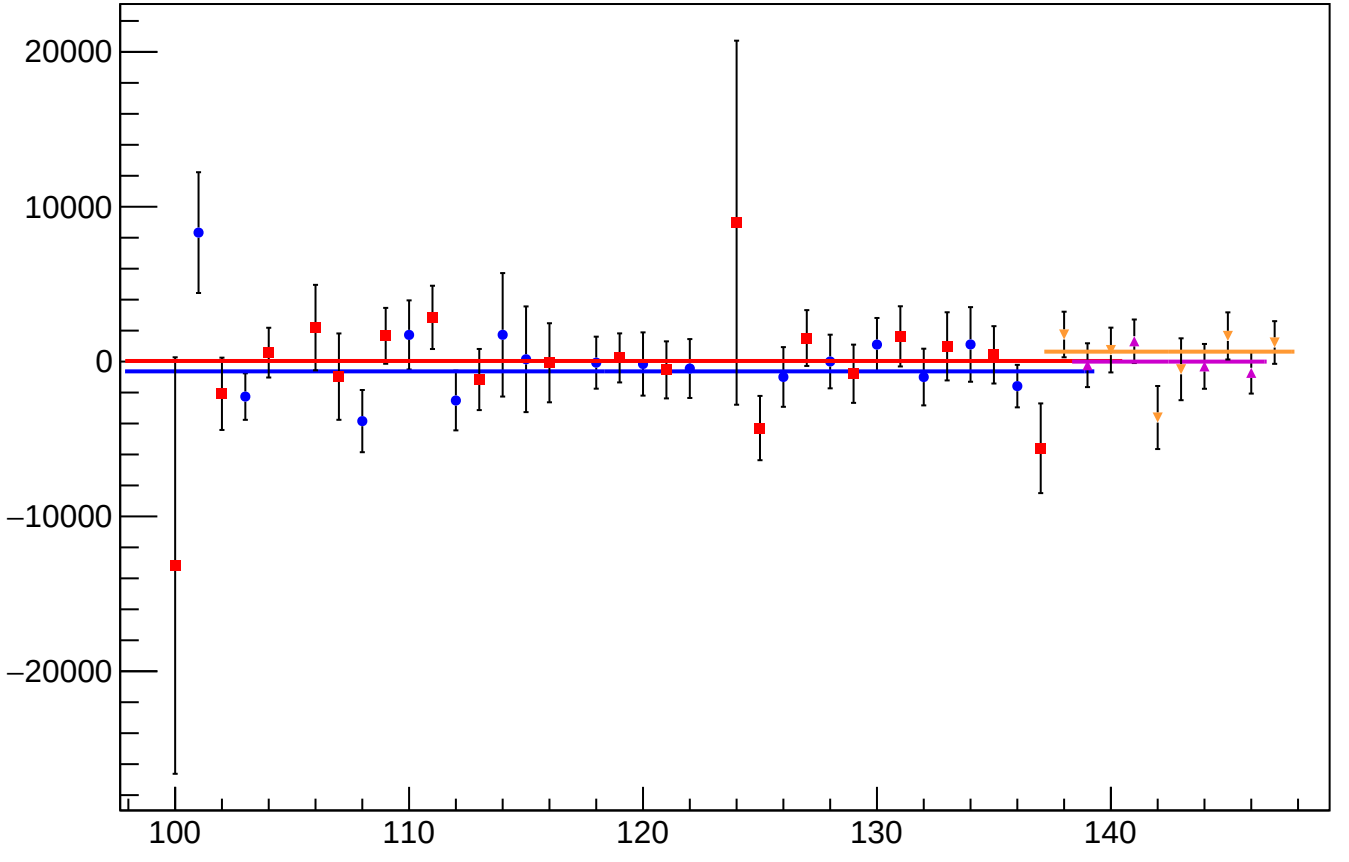
Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

+ sign 3100.086+/-0.666 χ^2/NDF: 1671168.1/21

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44

- sign 3053.053+/-0.686 χ^2/NDF: 1846607.5/22

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

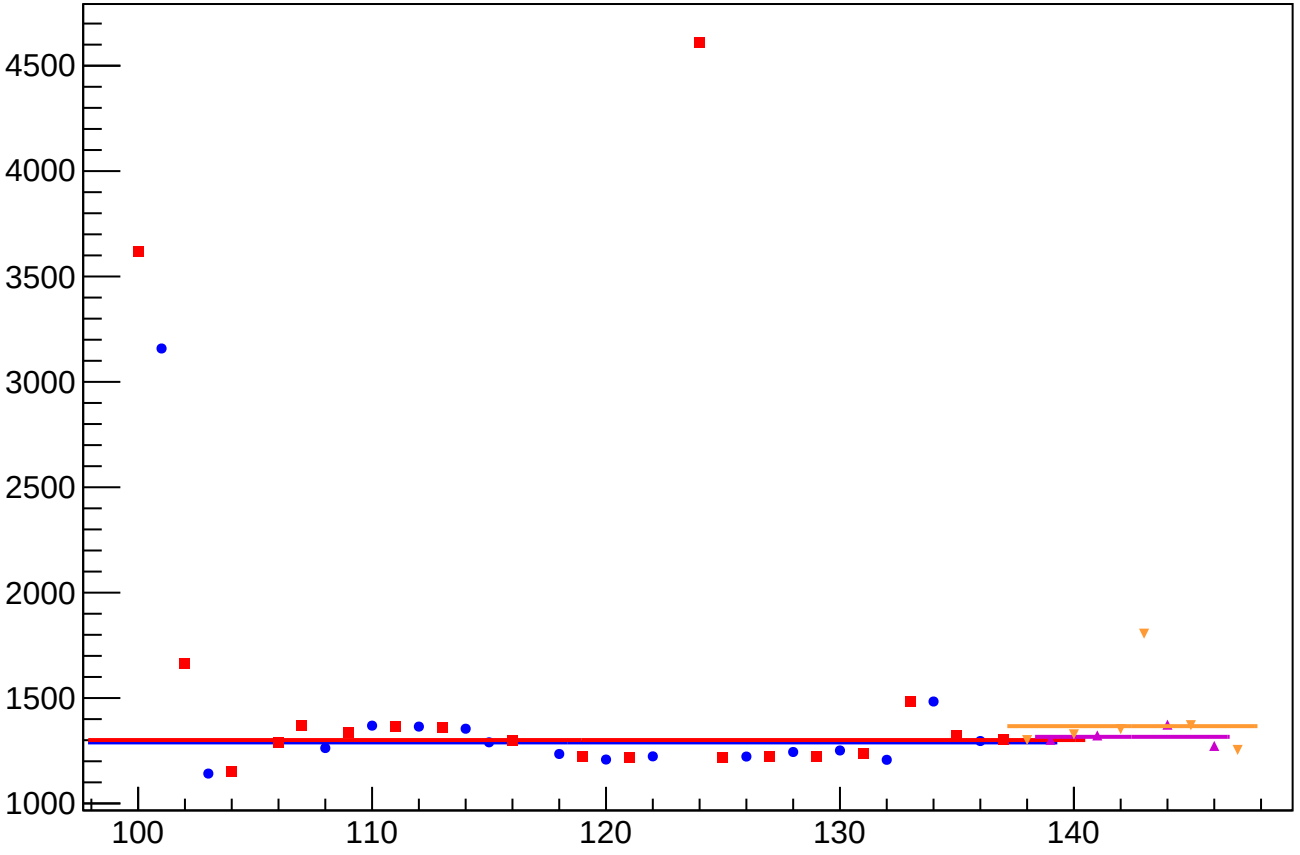
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

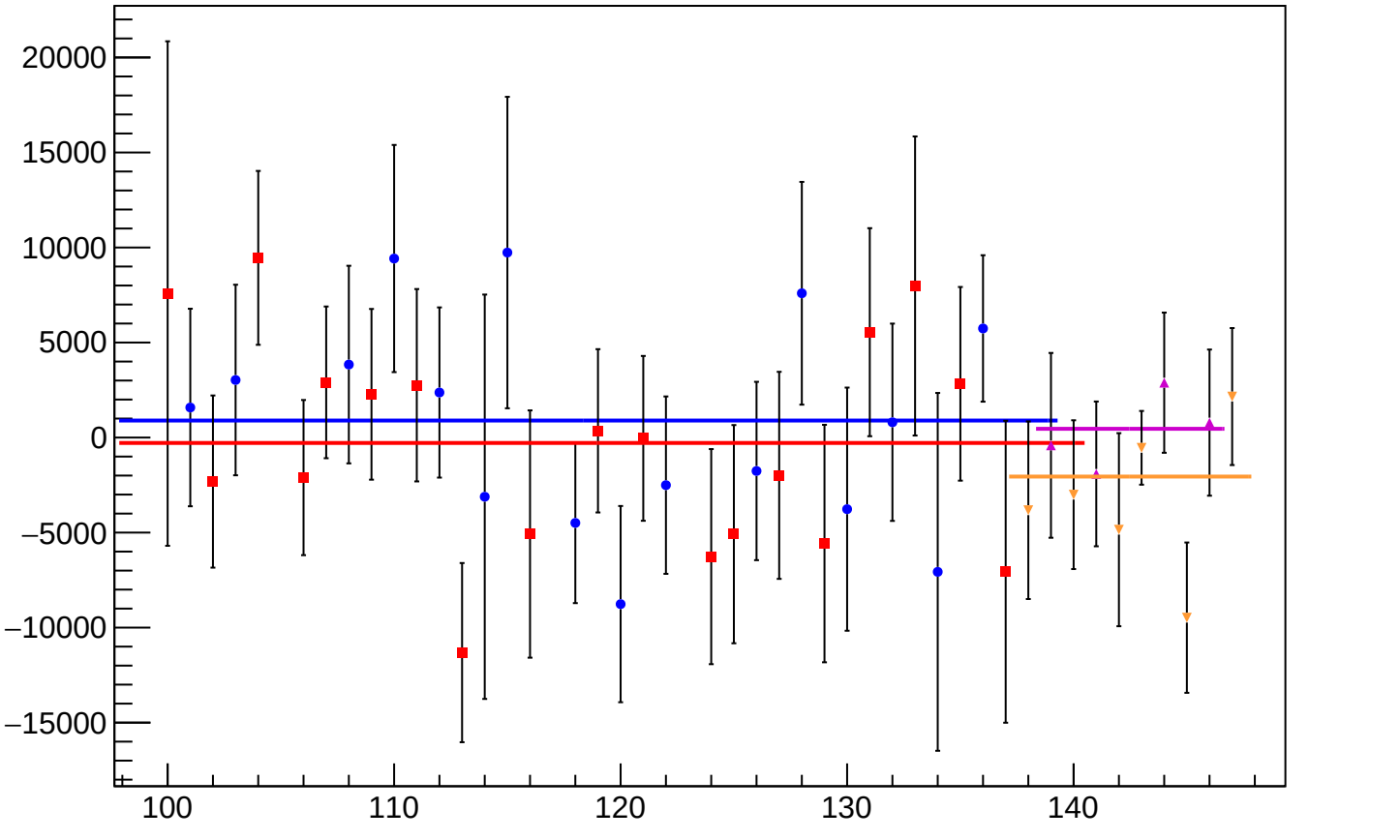
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

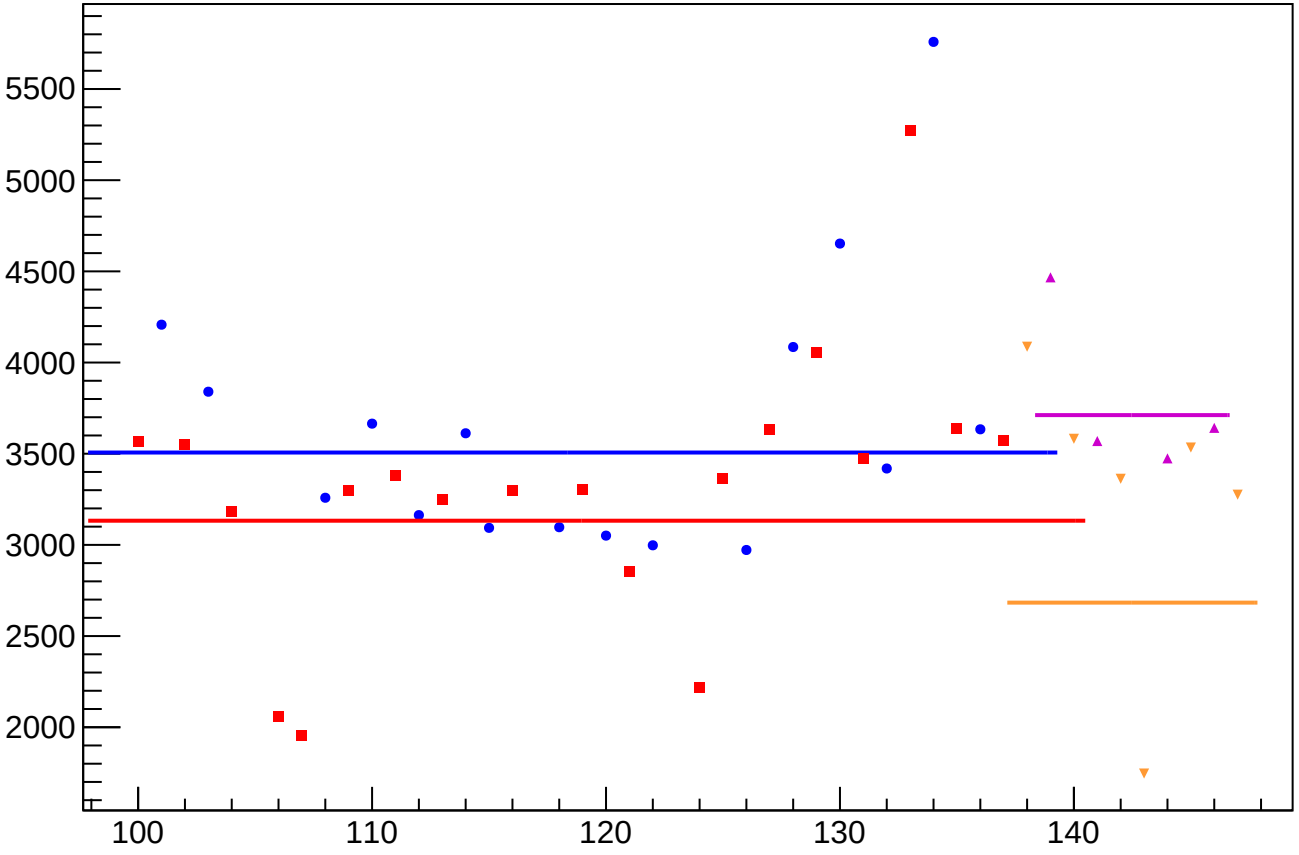
Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

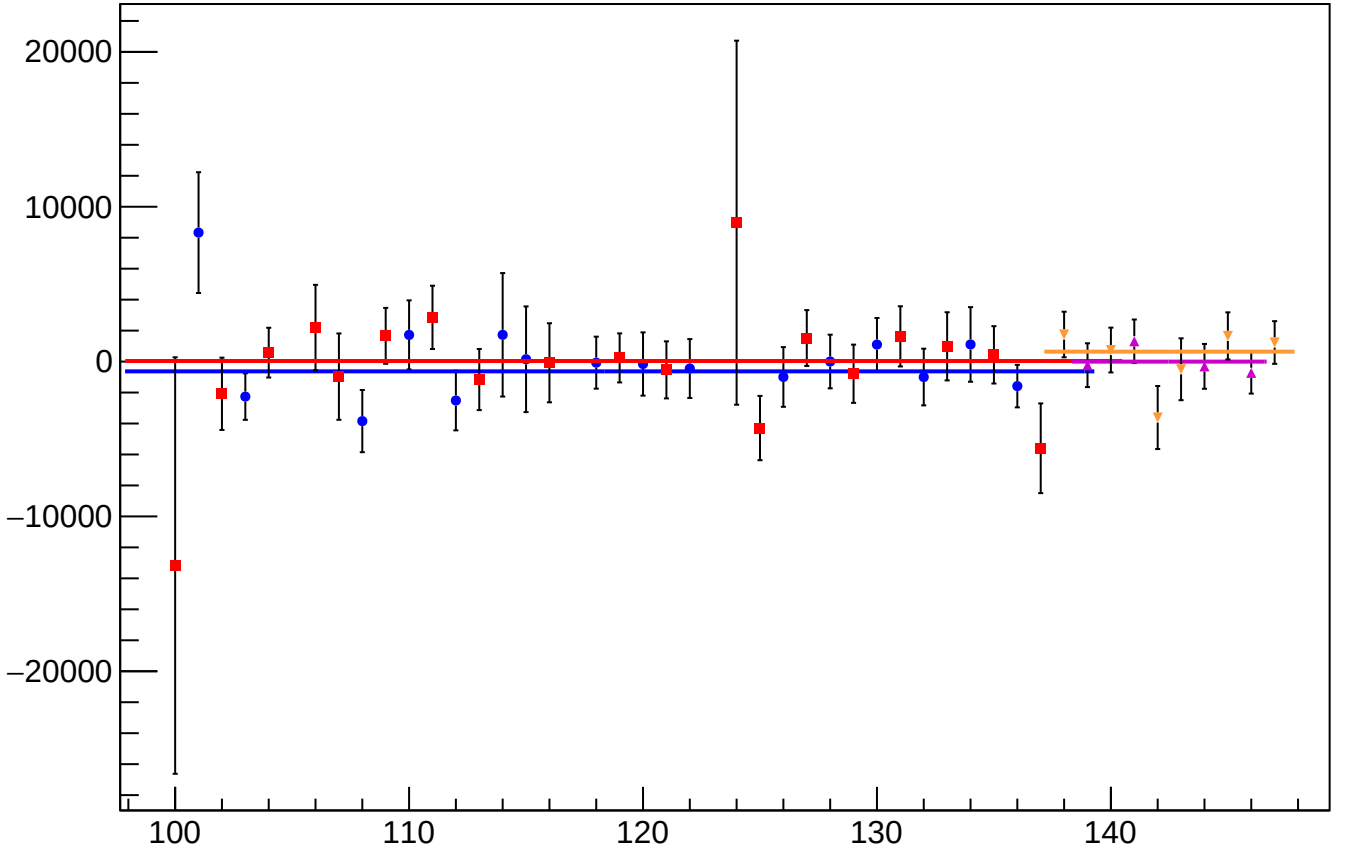
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

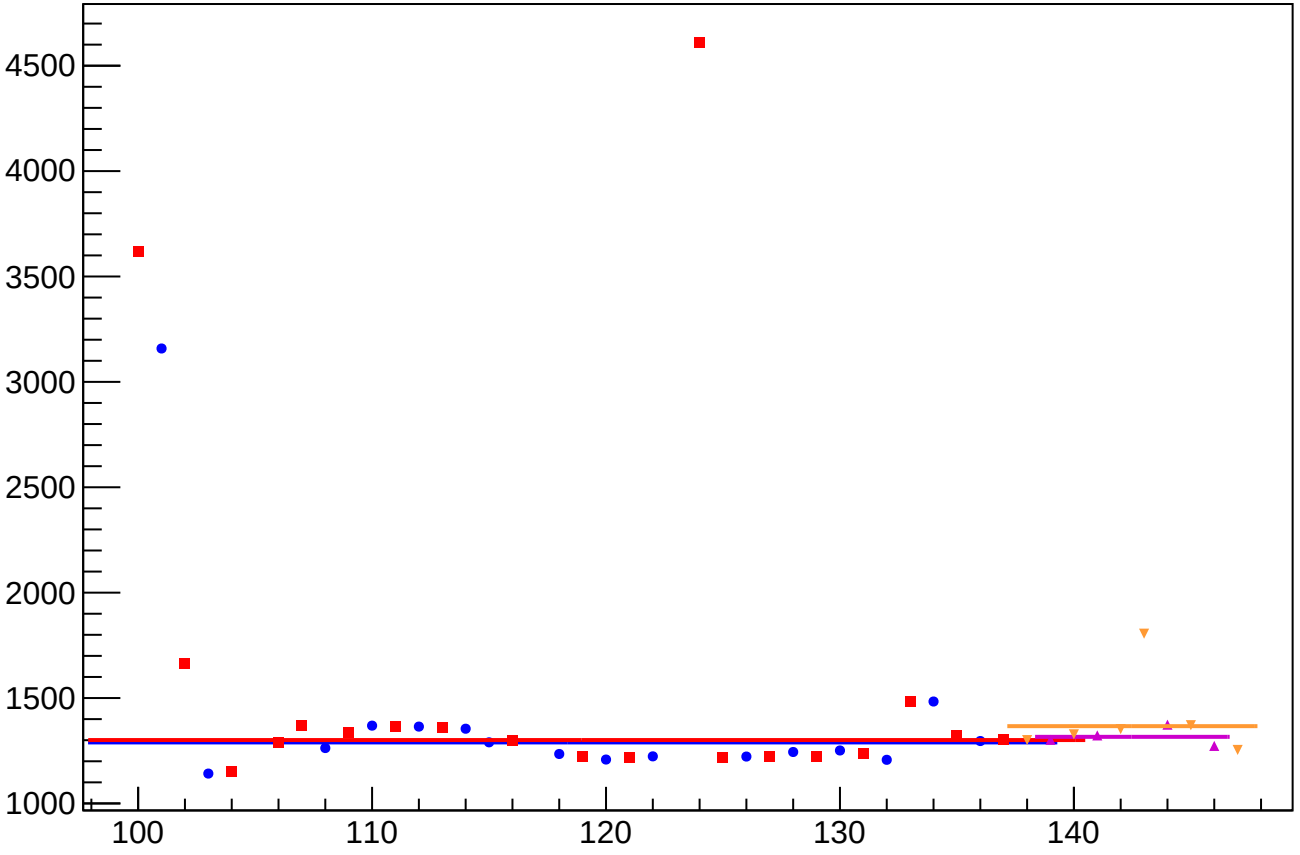
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

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: 1366.586+/-0.457 χ^2/NDF:115388.7/5

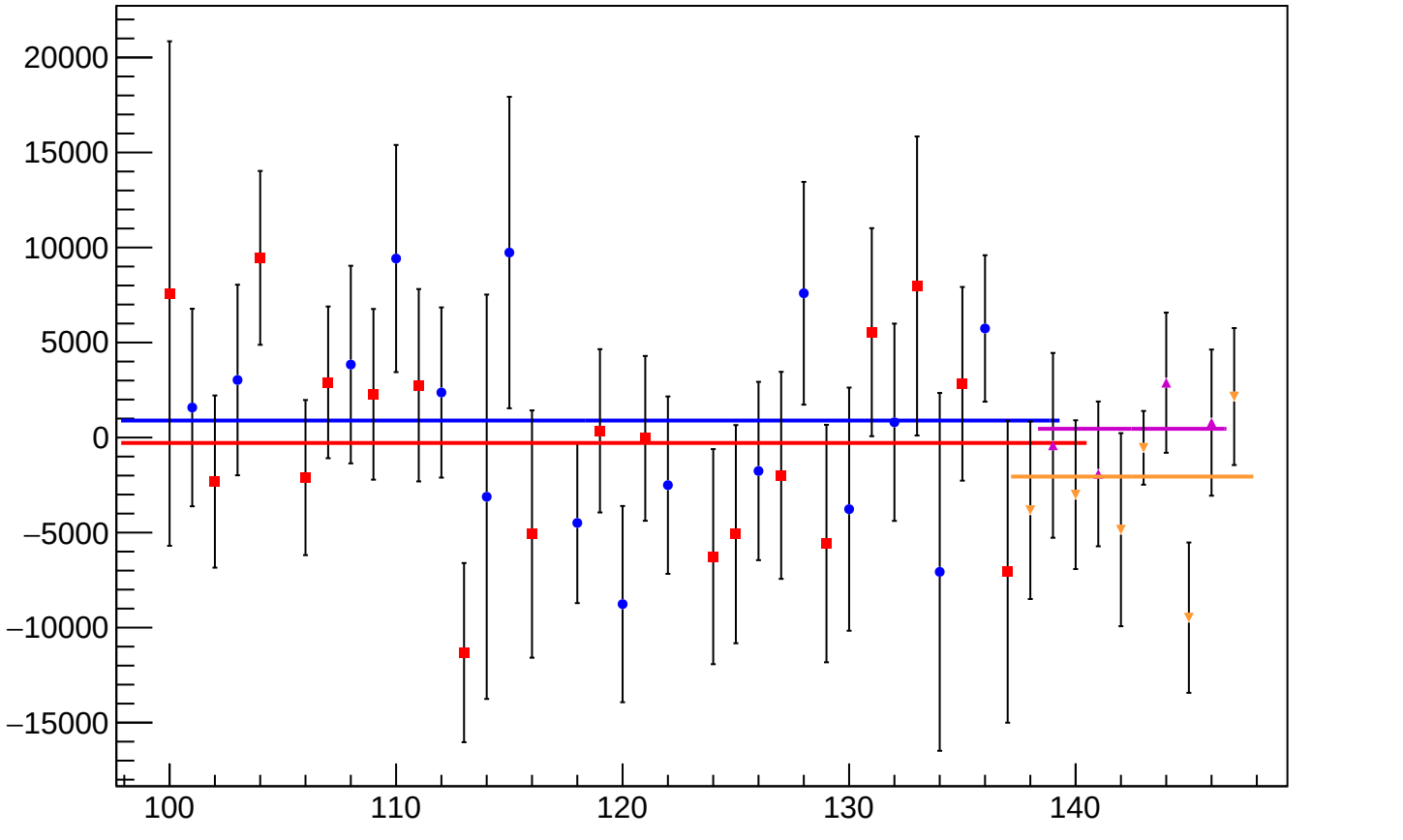
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

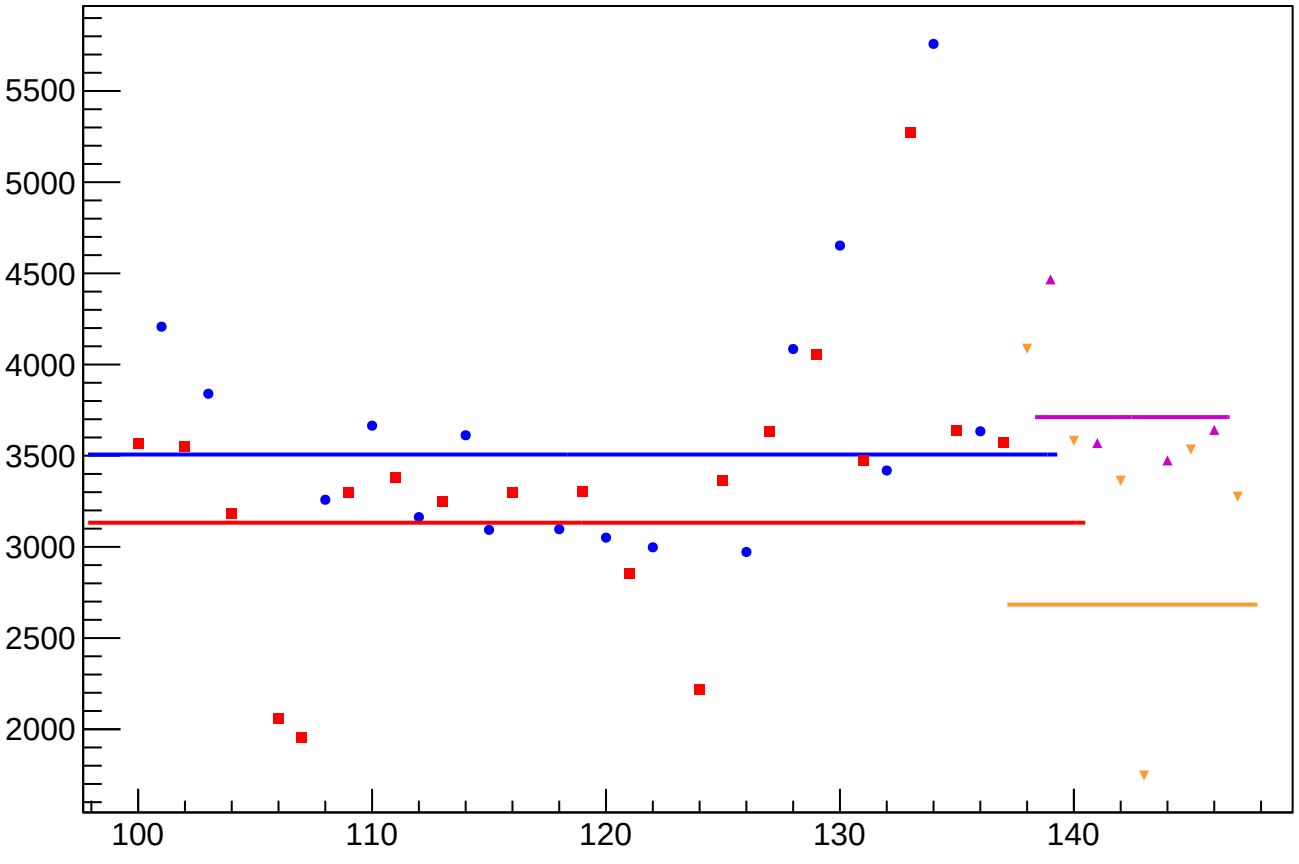
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

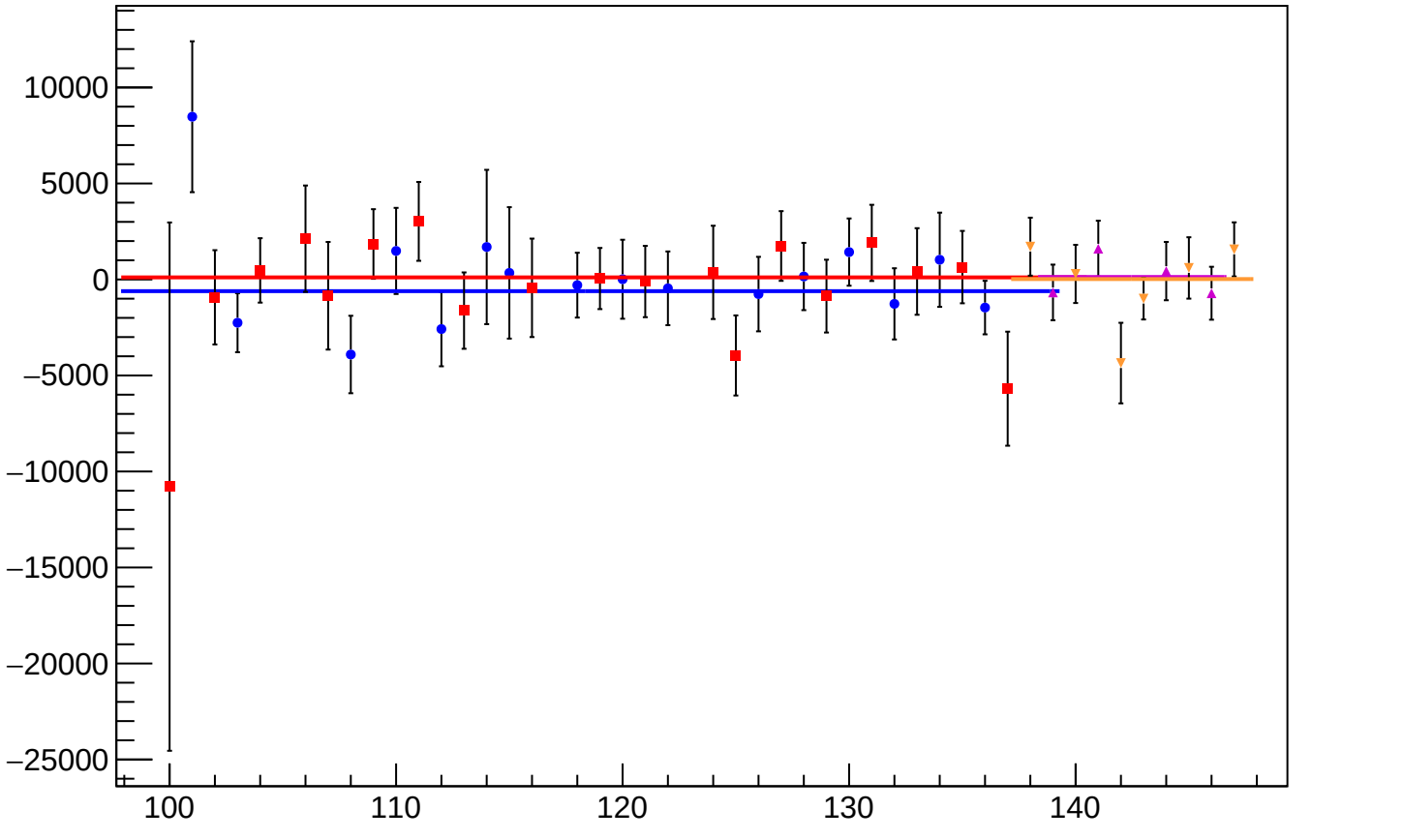
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

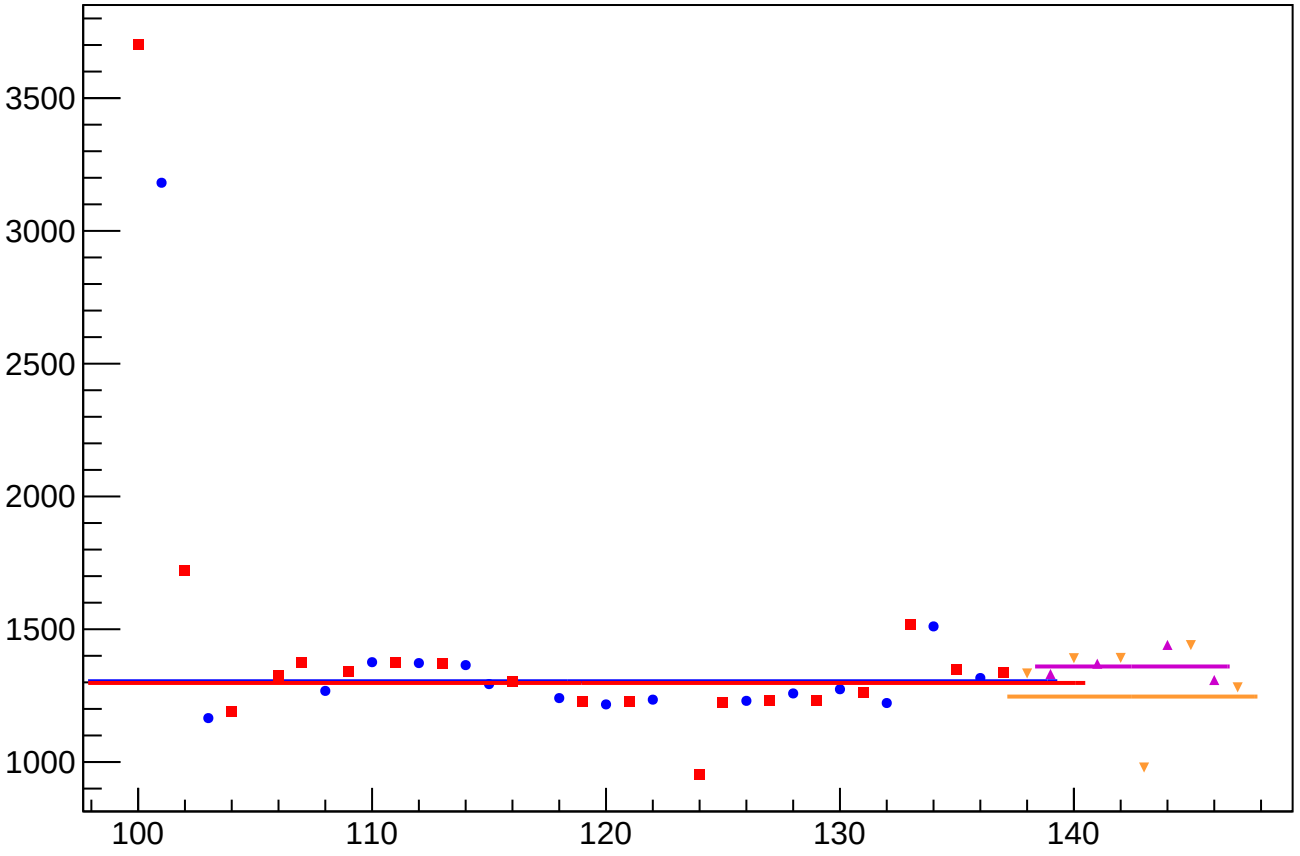
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

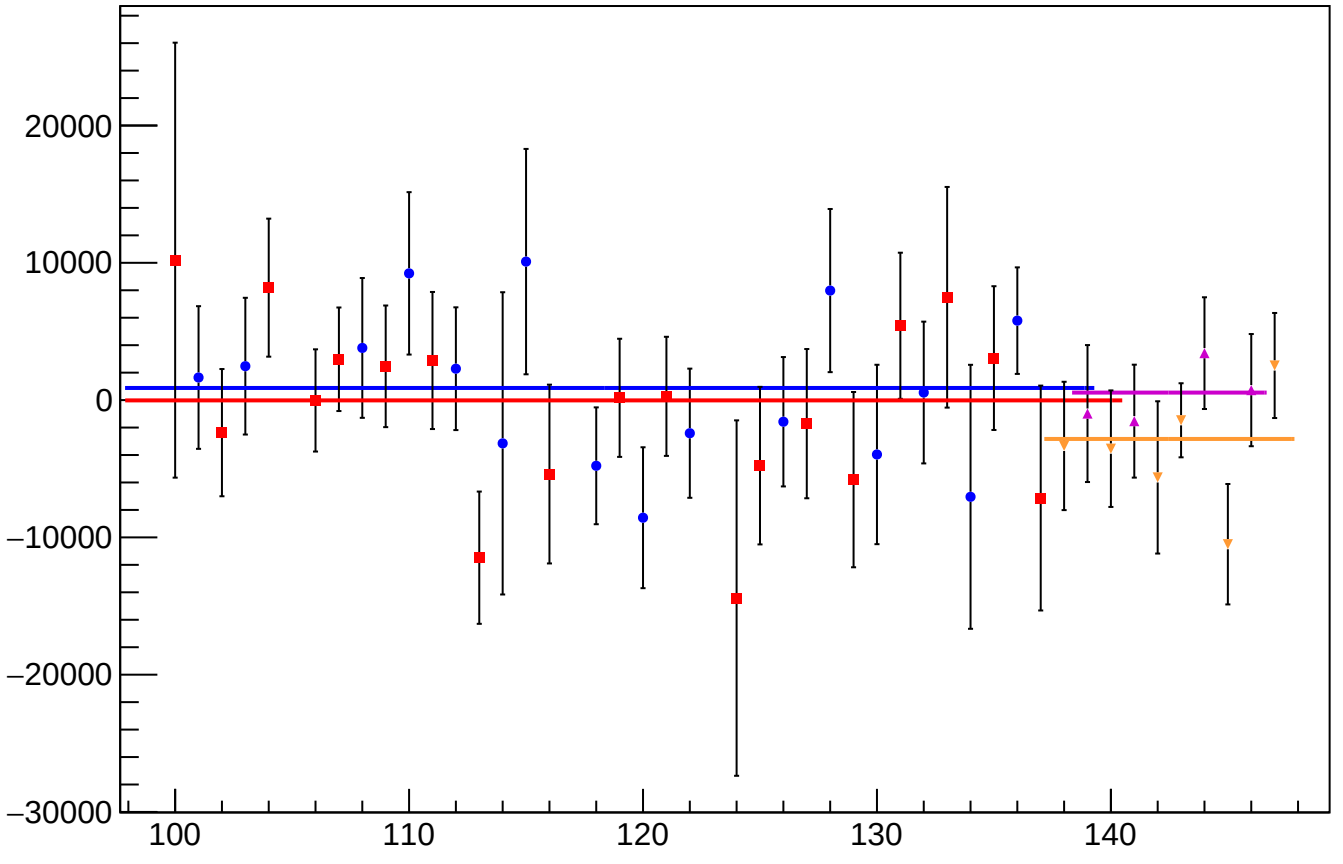
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

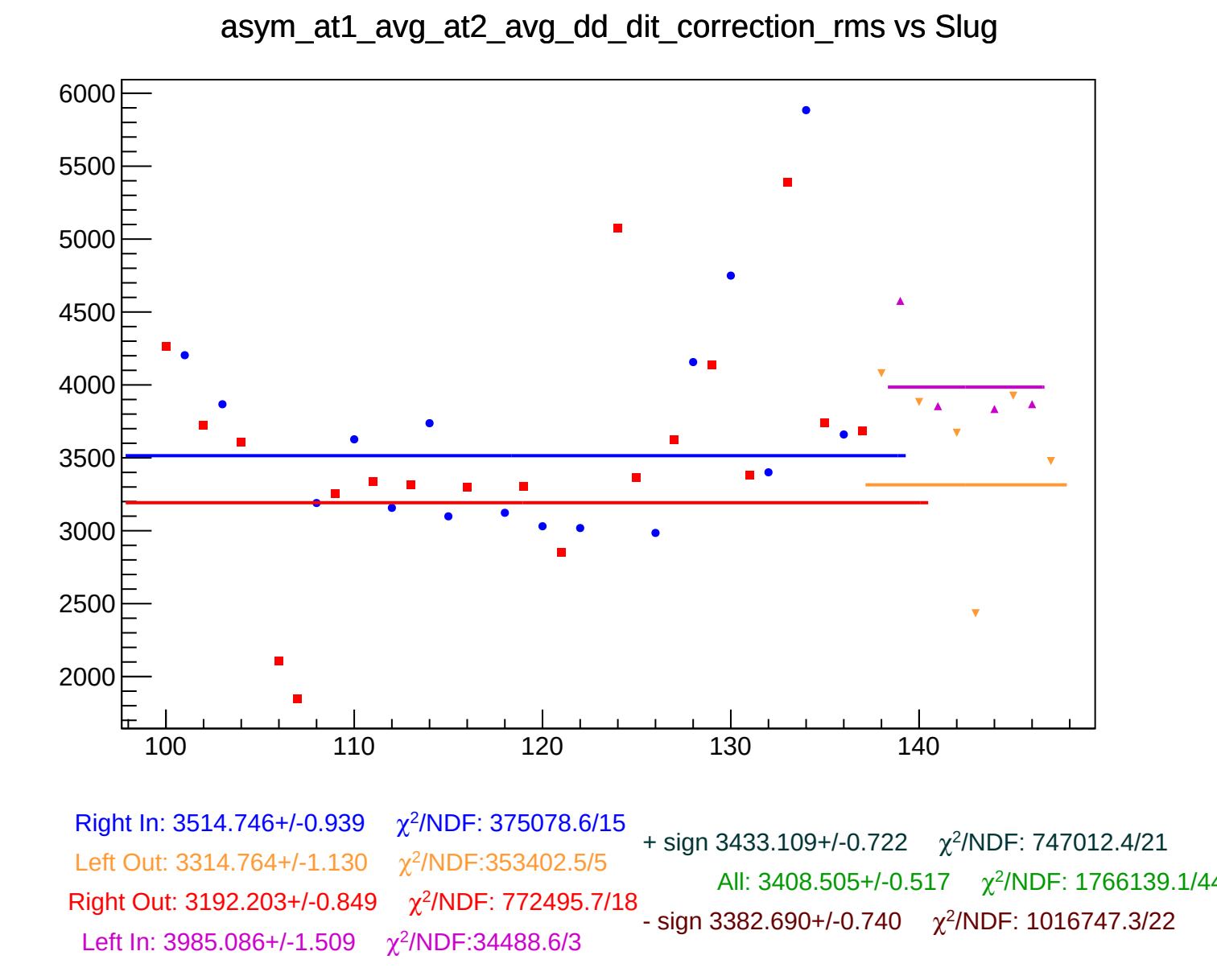
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

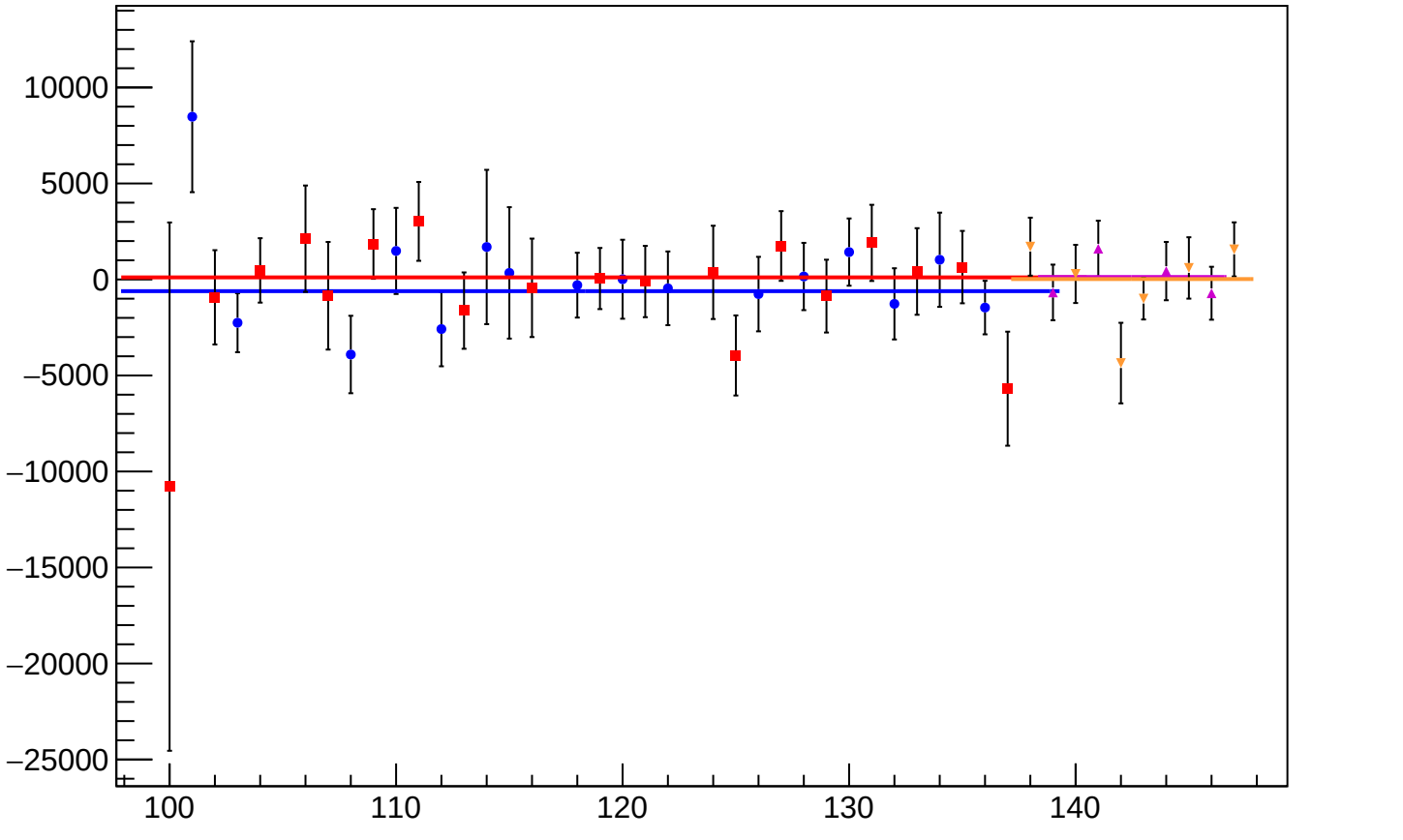
Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -267.083+/-730.675 χ^2/NDF: 40.9/44

- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3314.764+/-1.130 χ²/NDF:353402.5/5
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3985.086+/-1.509 χ²/NDF:34488.6/3
+ sign 3433.109+/-0.722 χ²/NDF: 747012.4/21
All: 3408.505+/-0.517 χ²/NDF: 1766139.1/44
- sign 3382.690+/-0.740 χ²/NDF: 1016747.3/22



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

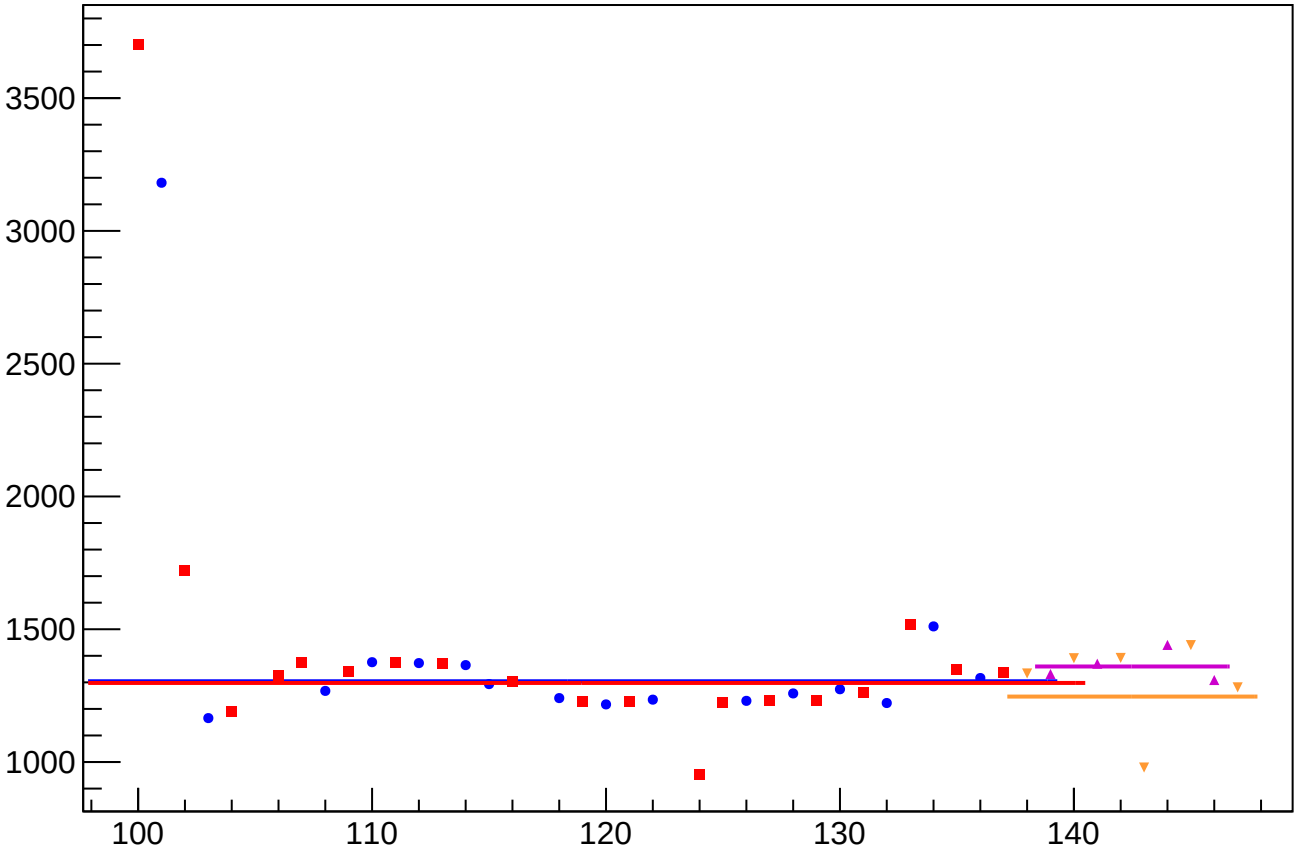
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

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: 1246.467+/-0.419 χ^2/NDF:186569.0/5

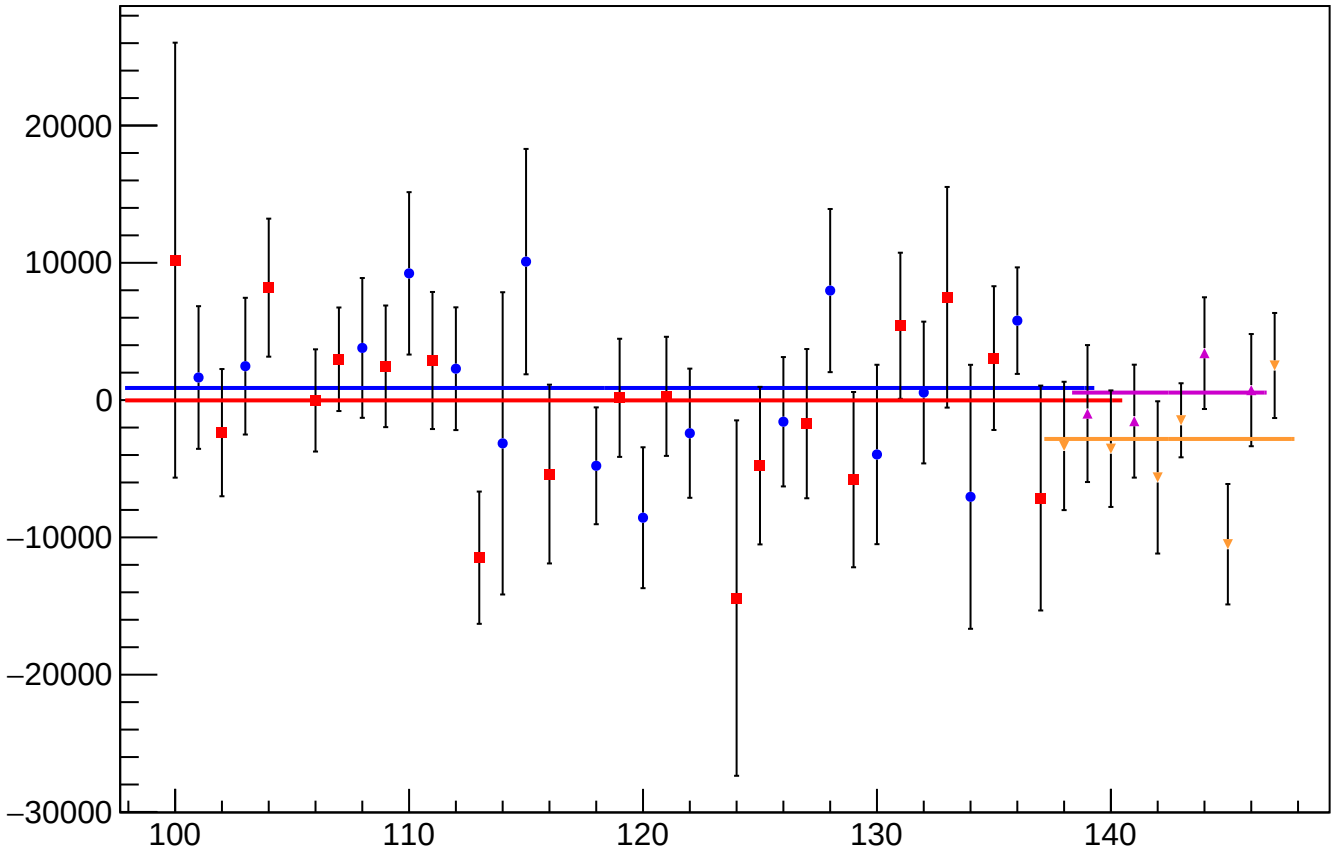
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

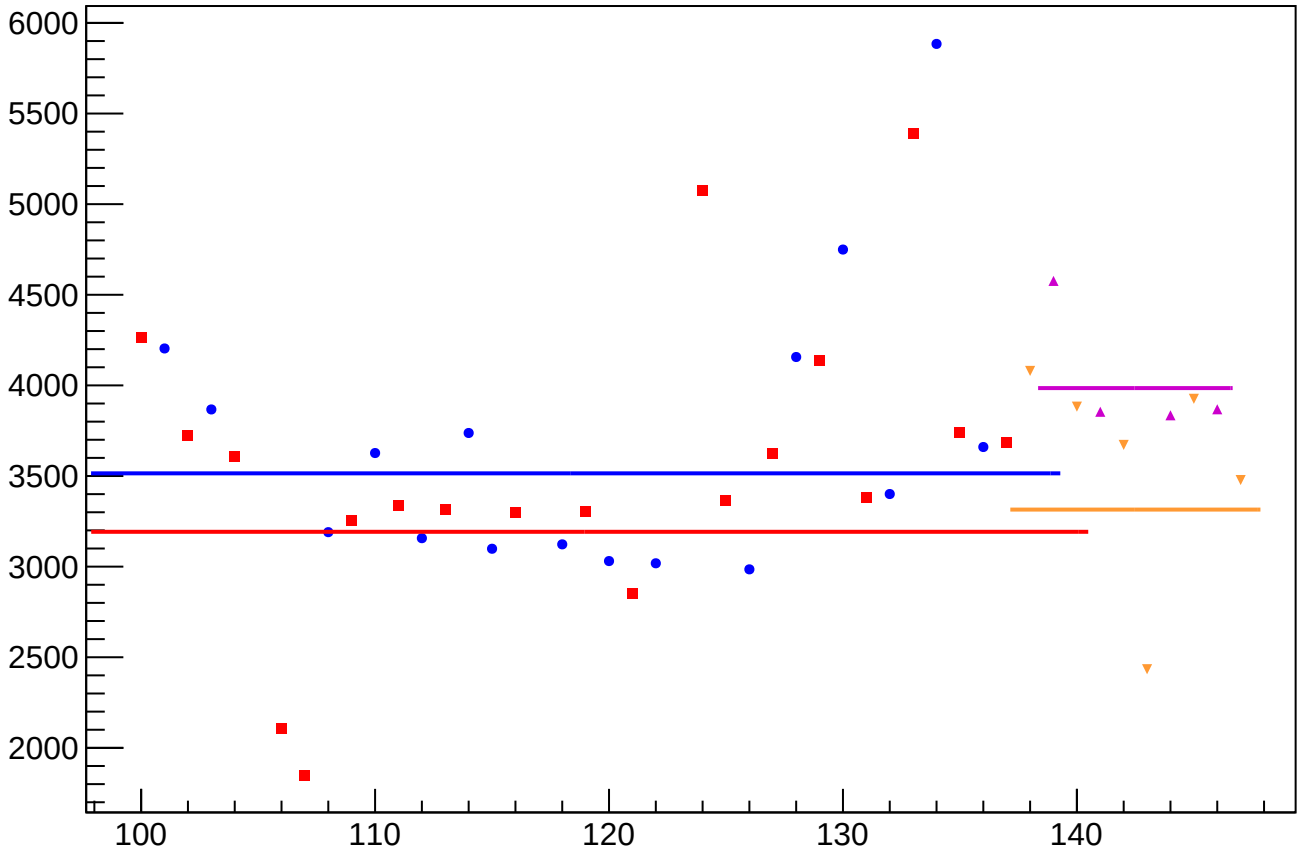
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -267.082+/-730.674 χ^2/NDF: 40.9/44

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

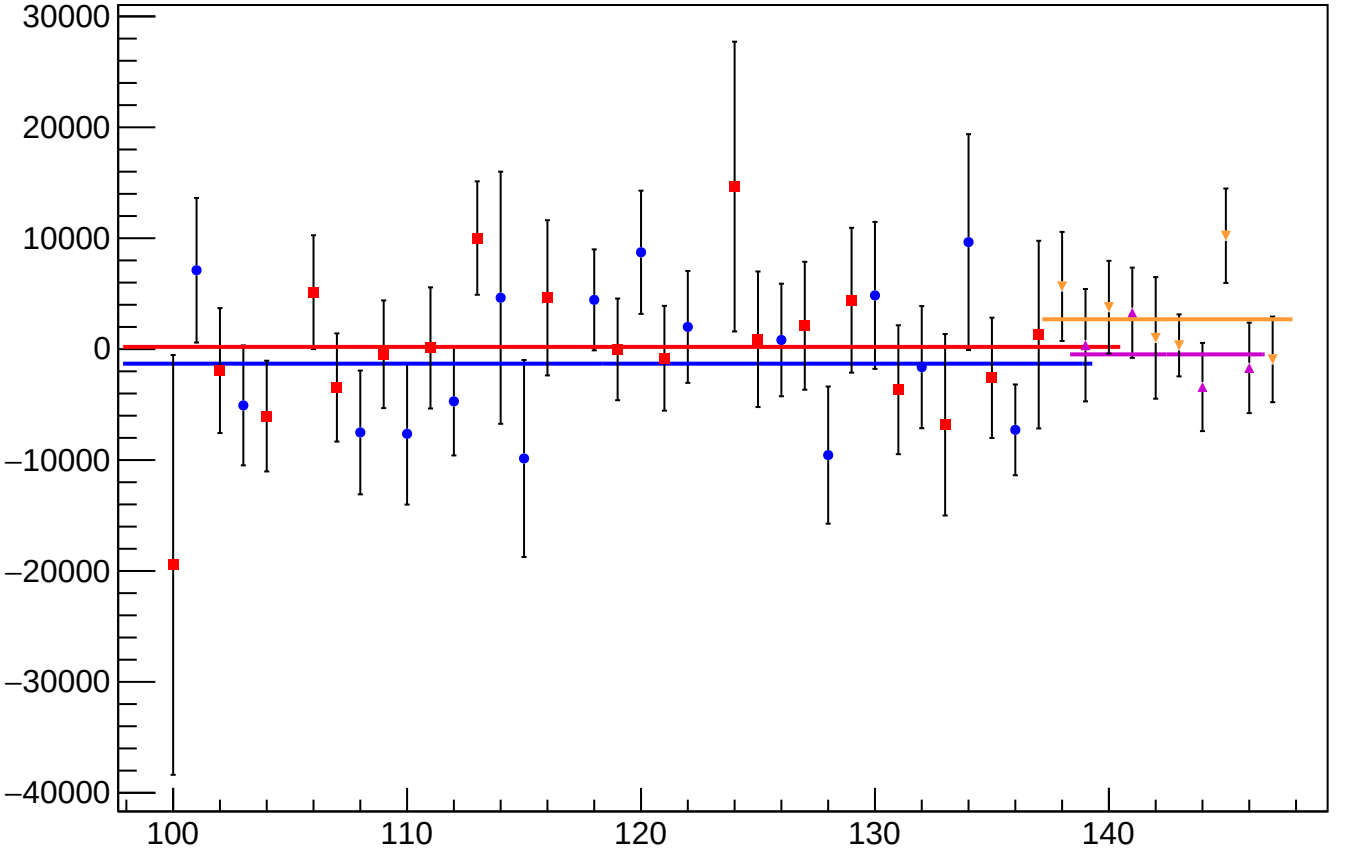
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3408.501+/-0.517 χ^2/NDF: 1766151.8/44

- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

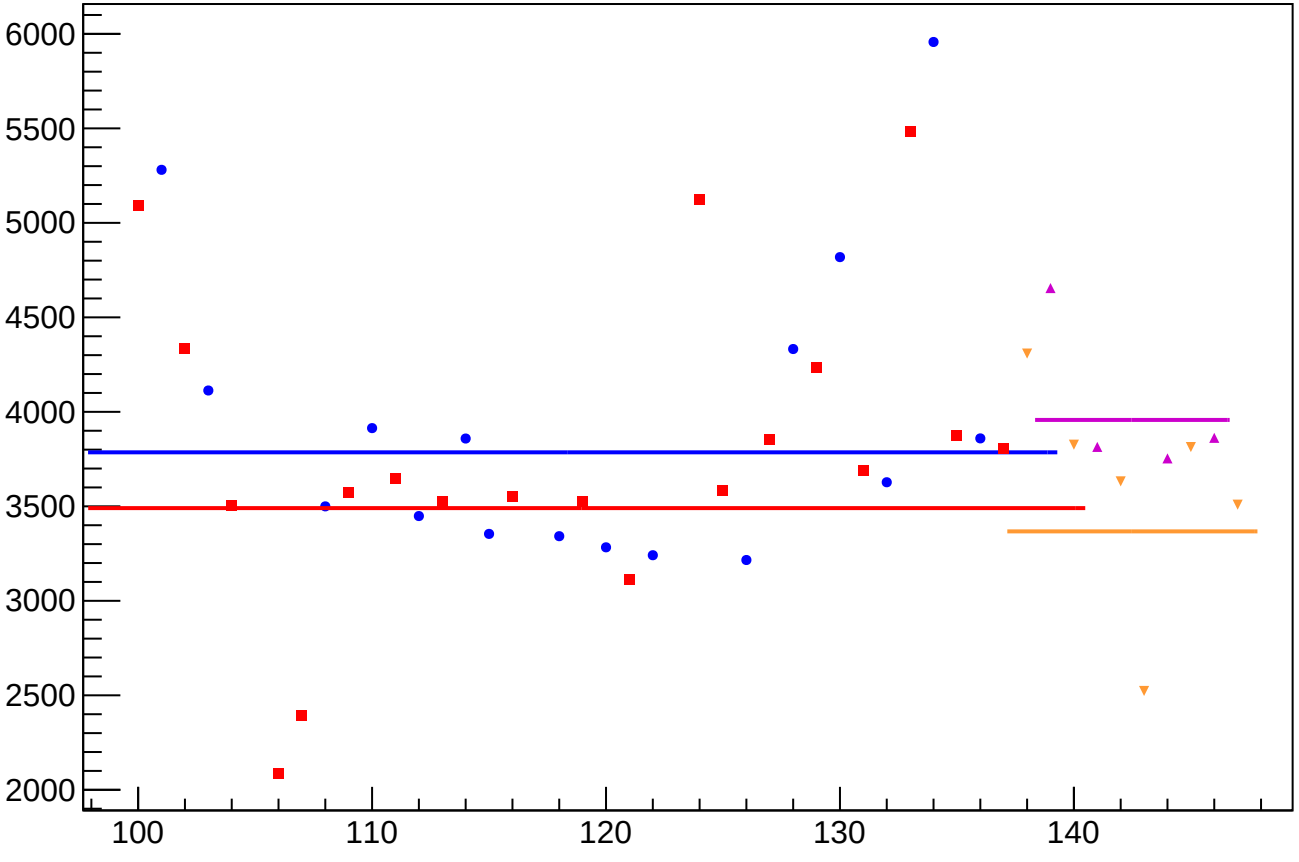
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

\+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 240.751+/-777.758 χ^2/NDF: 39.6/44

\- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

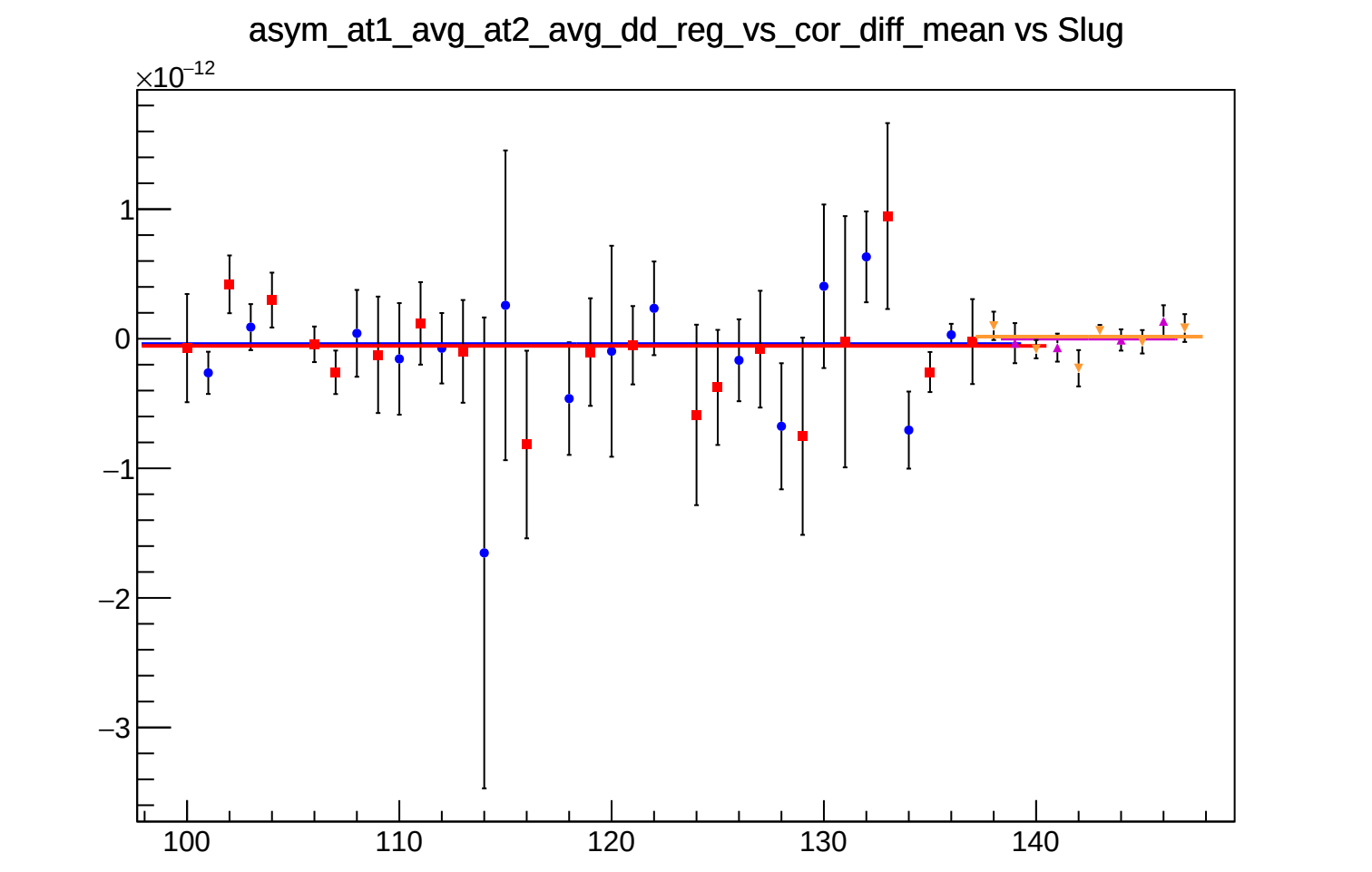
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44

- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

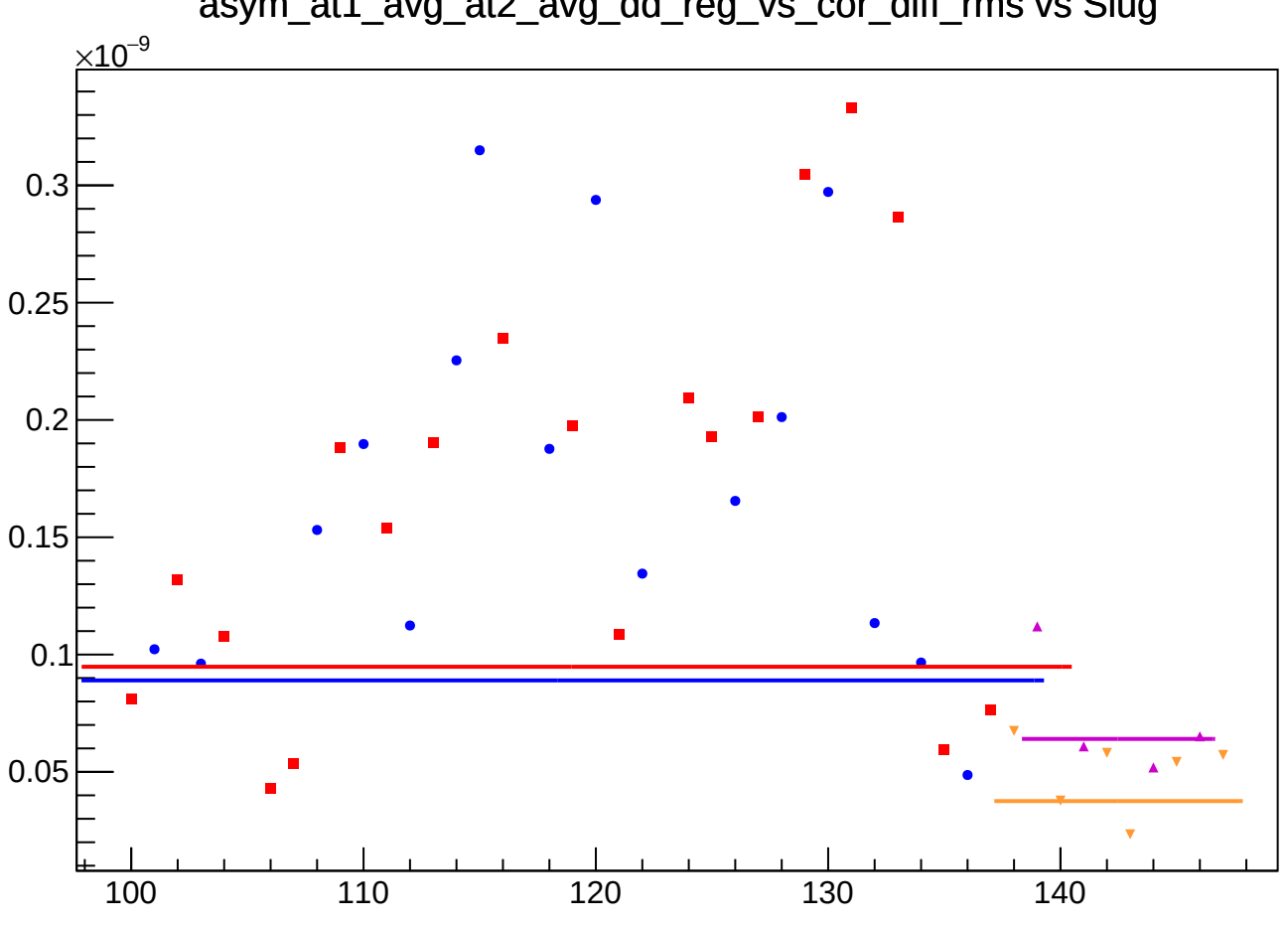
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.8/44

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

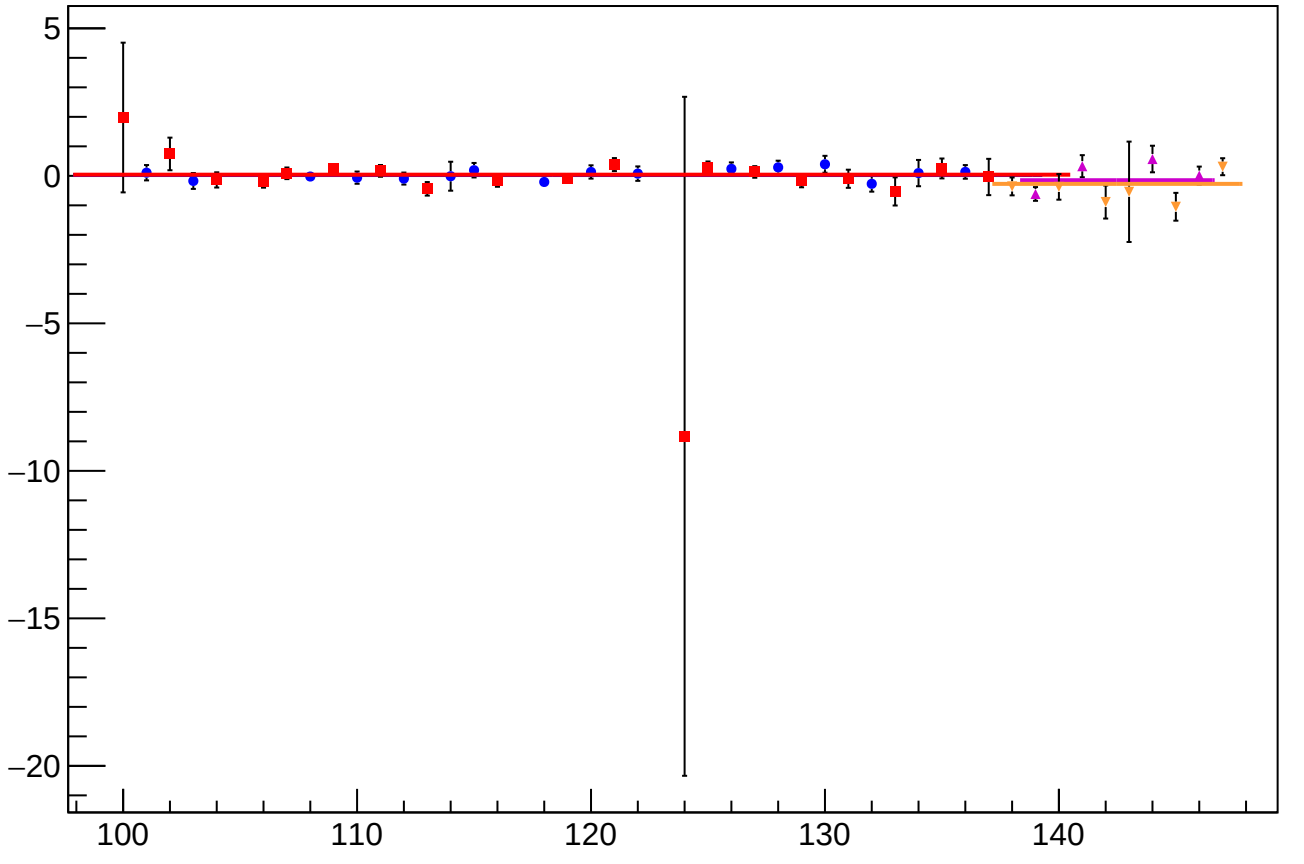
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

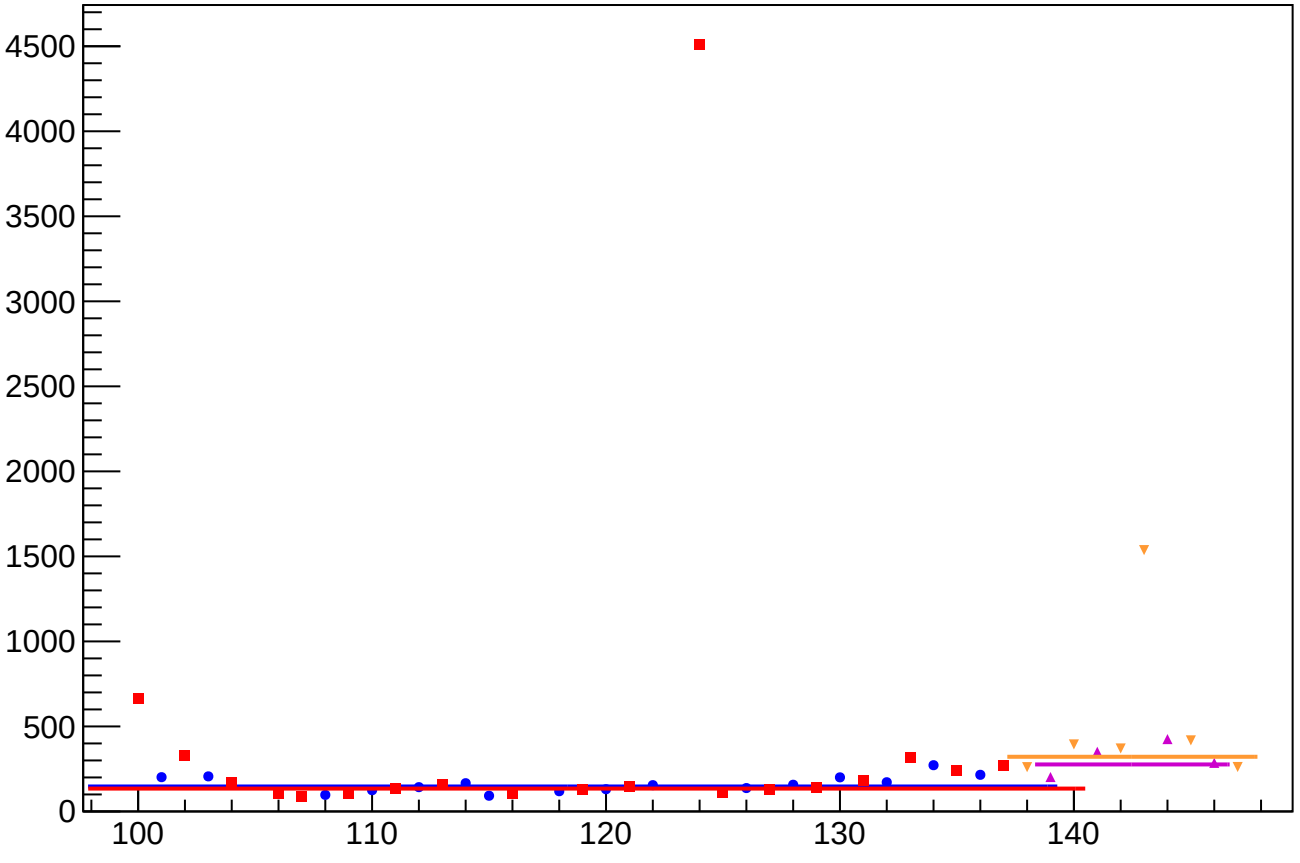
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

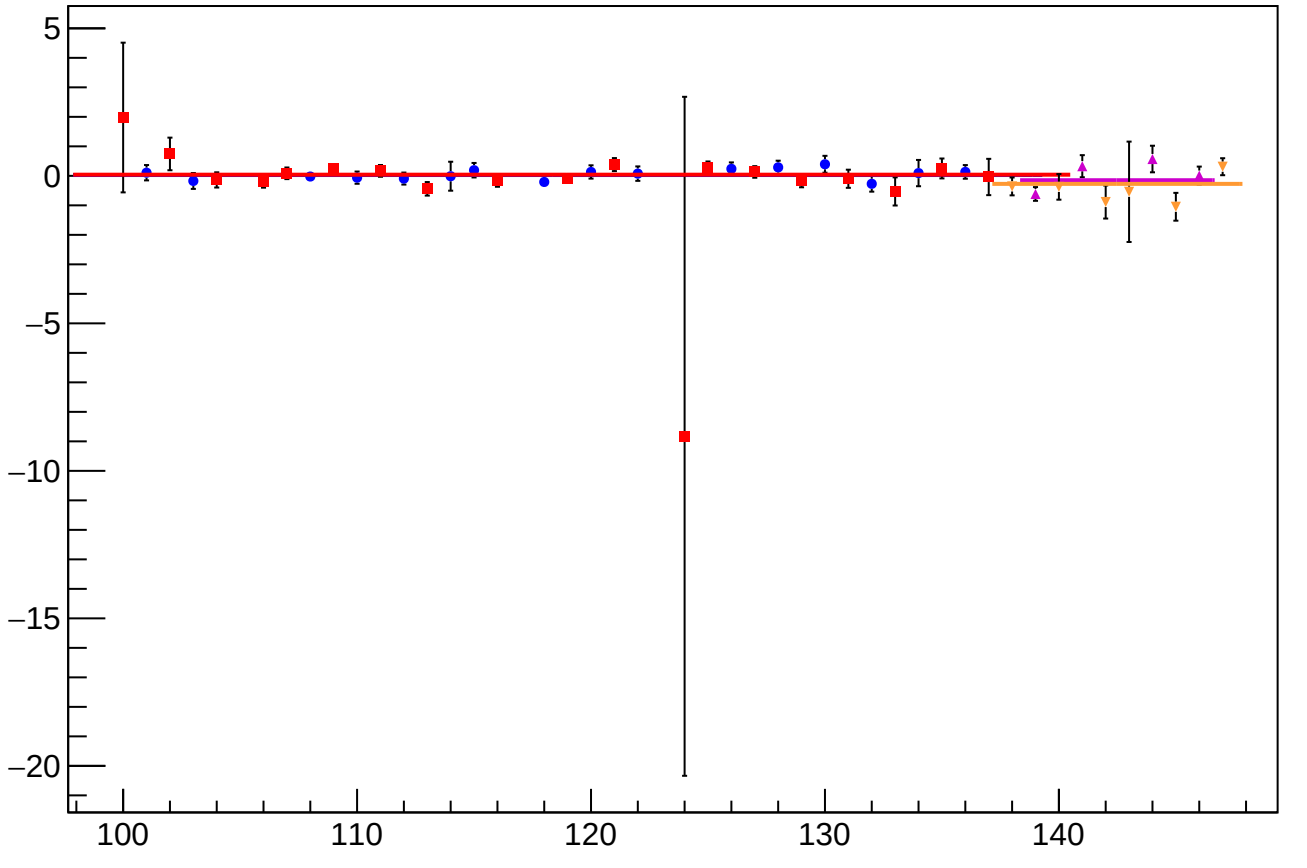
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

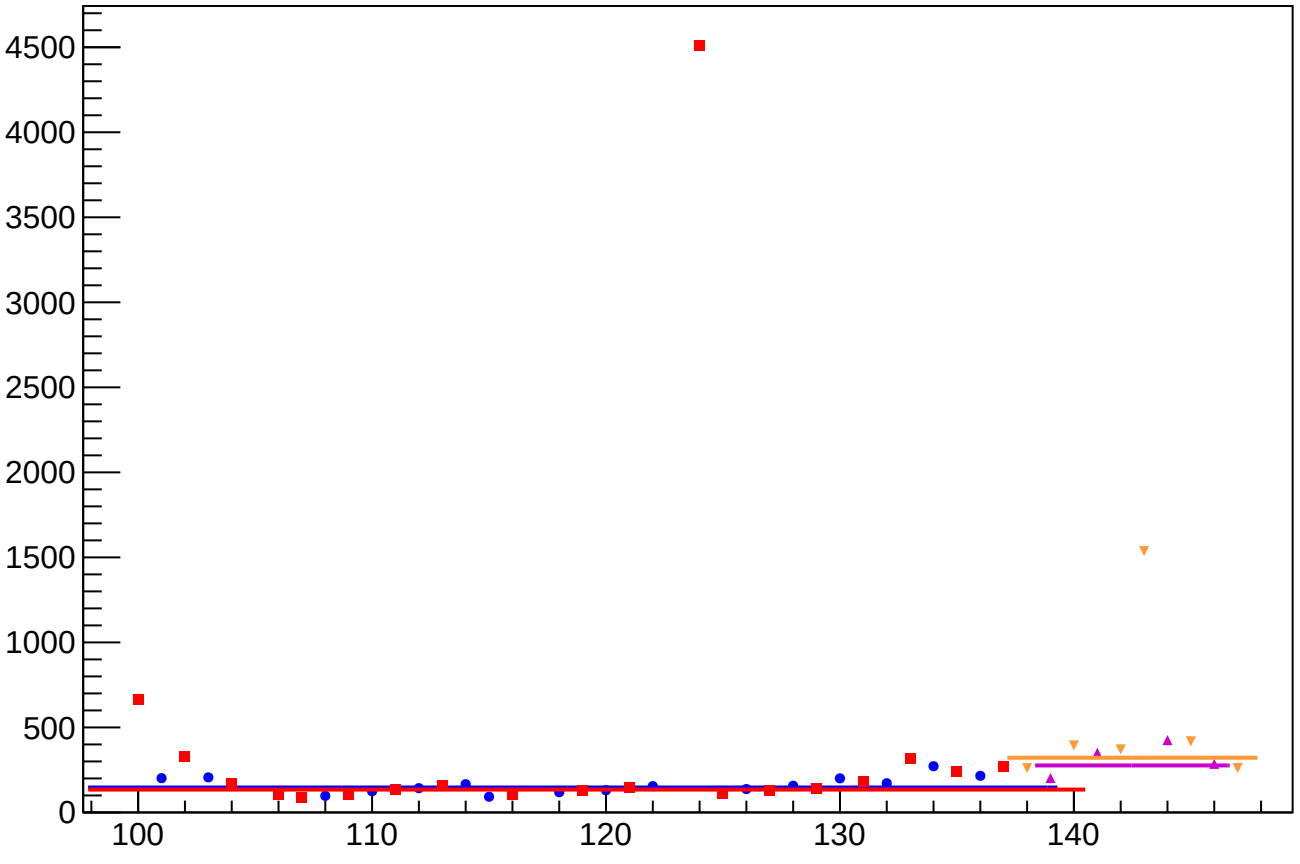
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

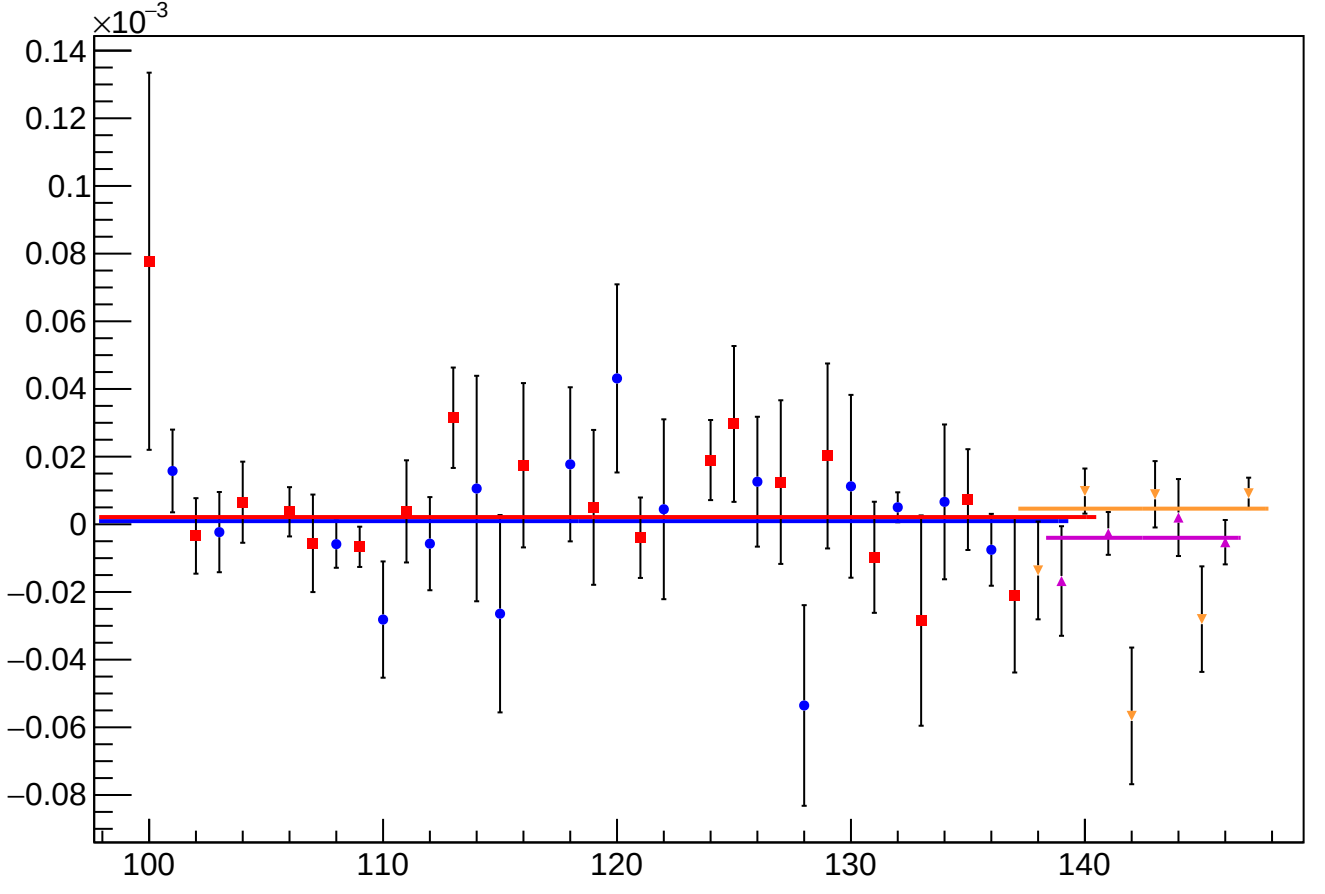
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

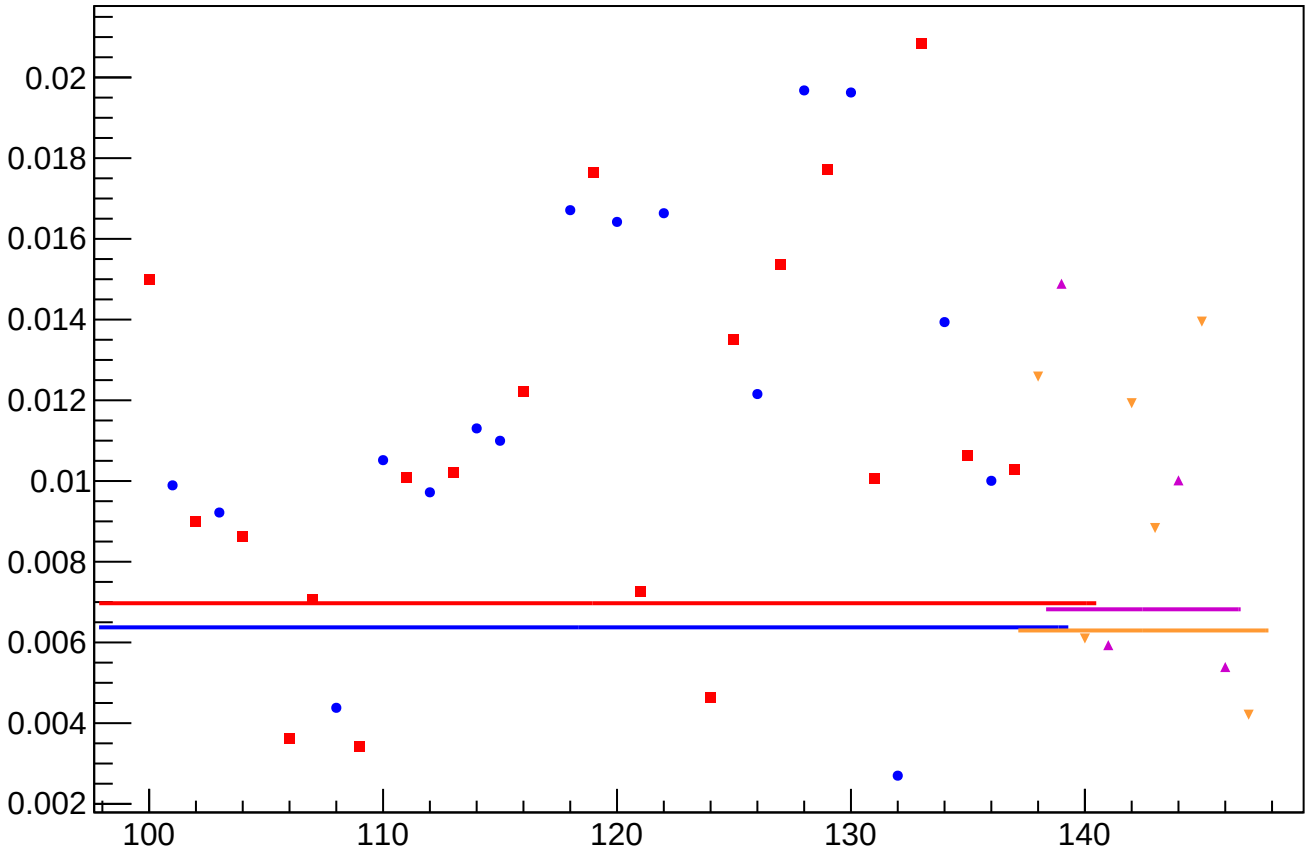
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 51.6/44

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

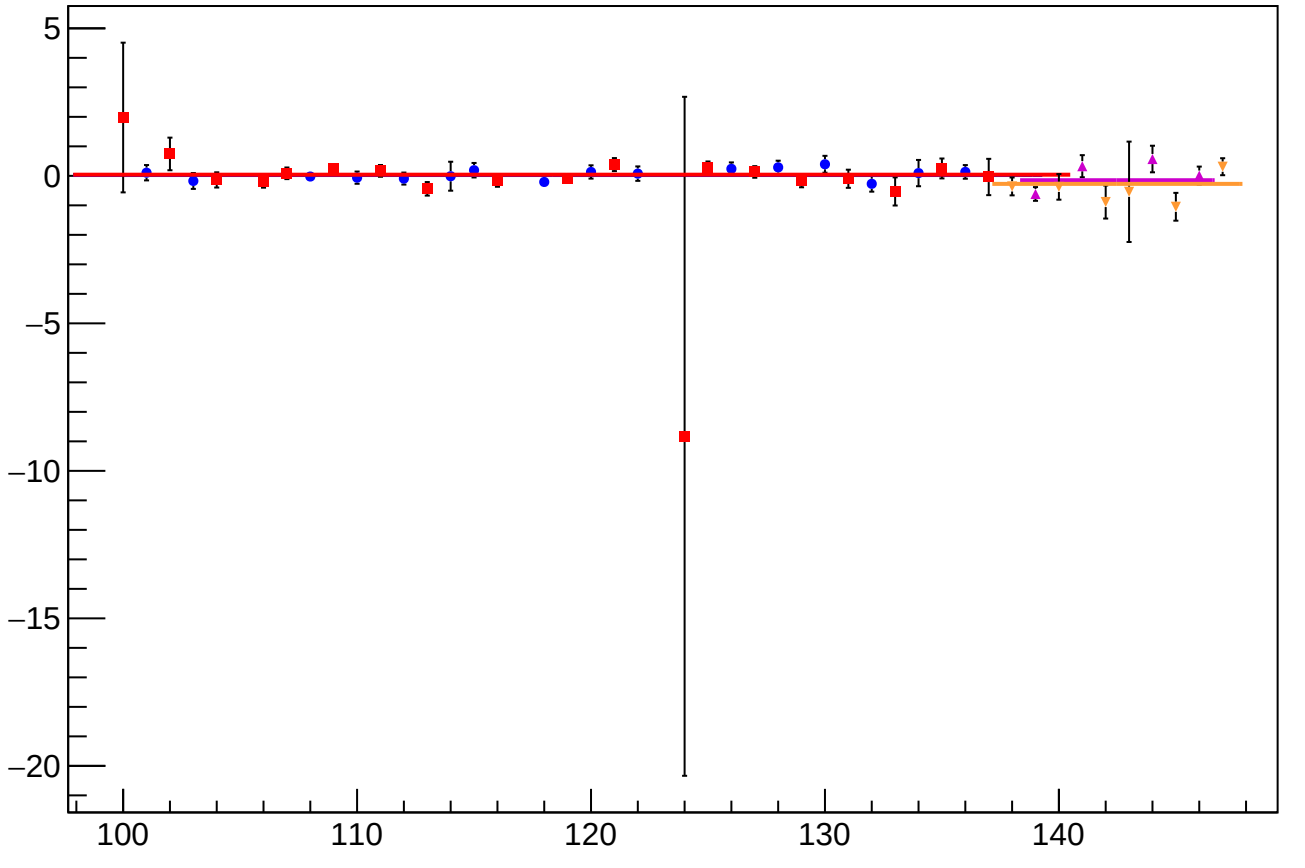
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

+ sign 0.006+/-0.000 χ^2/NDF: 6198103.6/21

All: 0.007+/-0.000 χ^2/NDF: 10460718.8/44

- sign 0.007+/-0.000 χ^2/NDF: 4200098.9/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

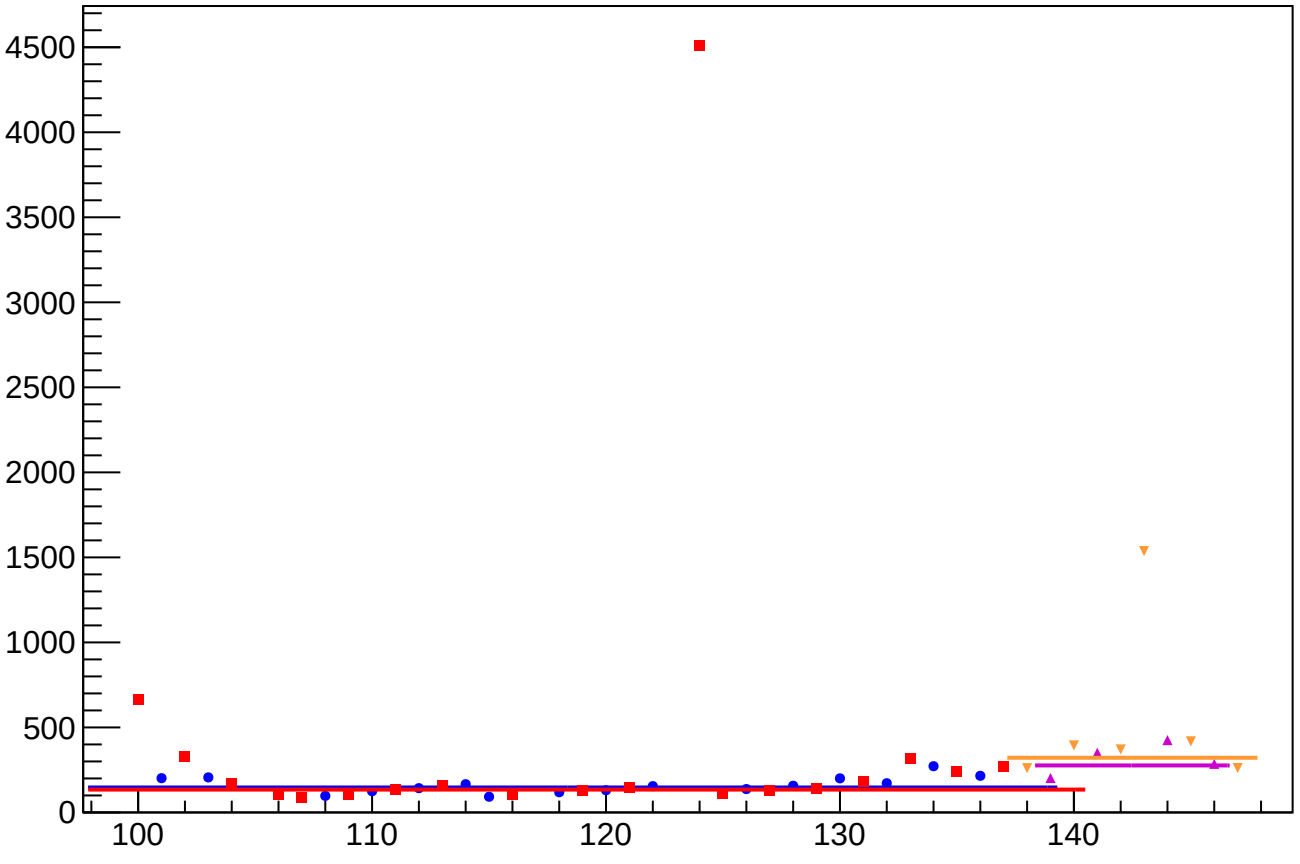
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

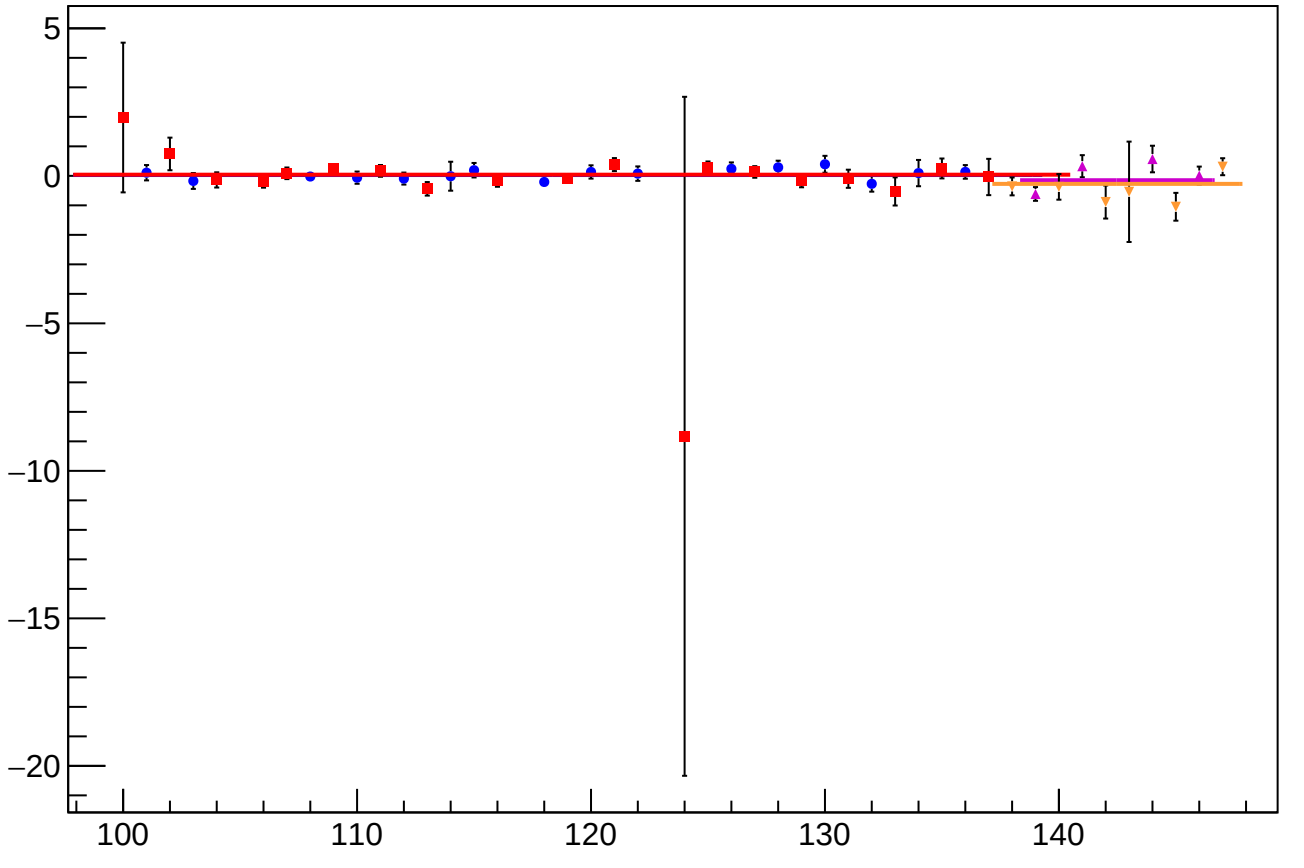
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

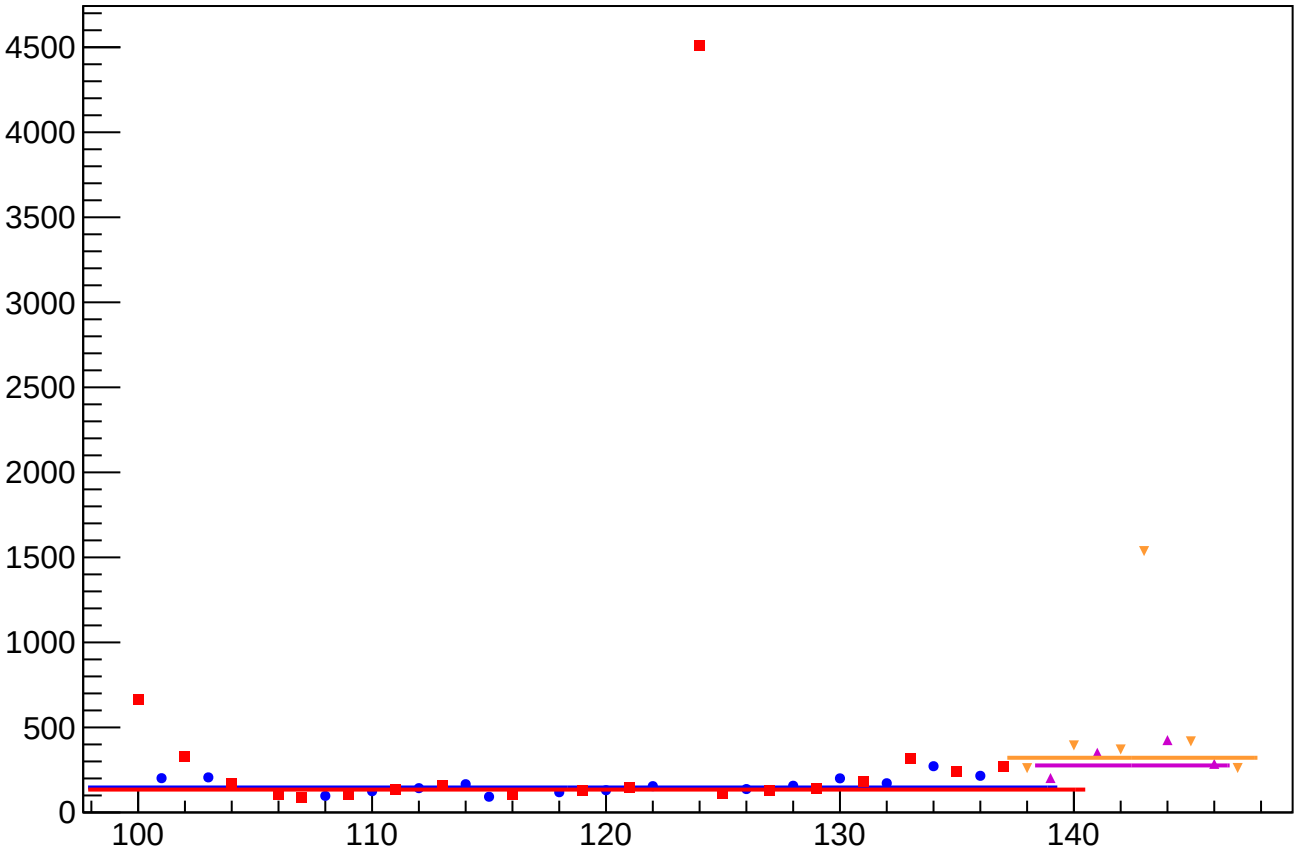
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

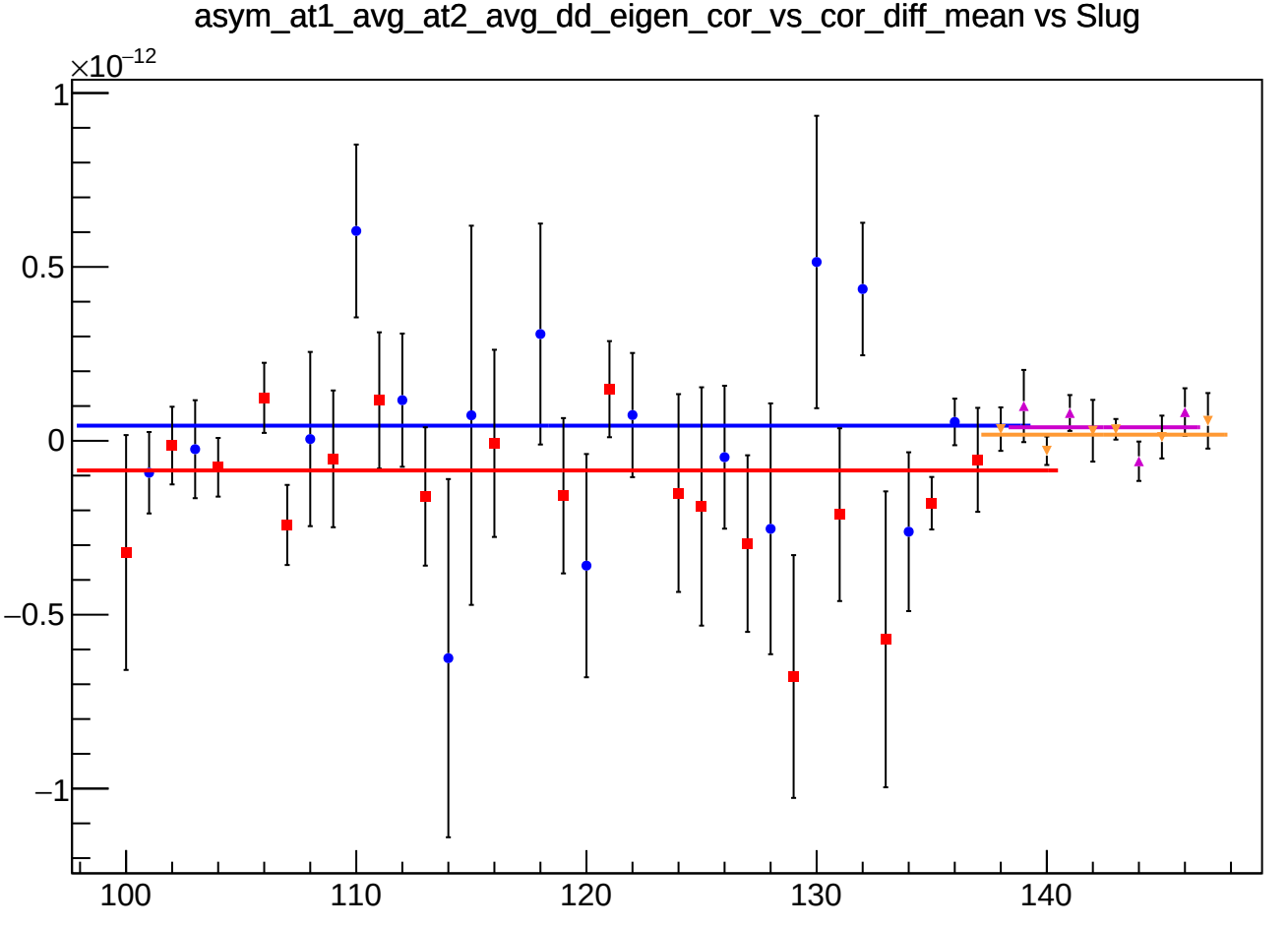
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

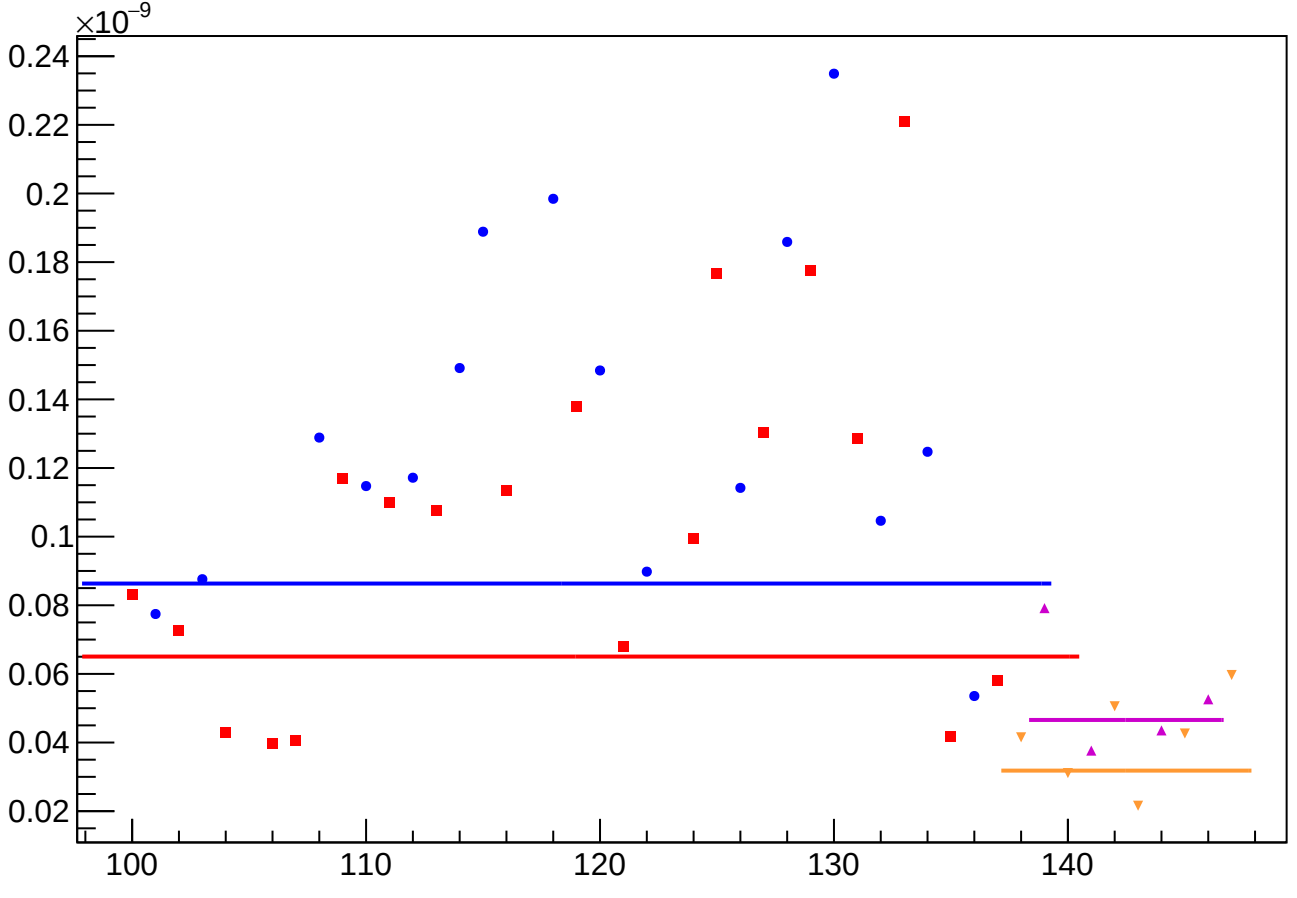
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/44

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

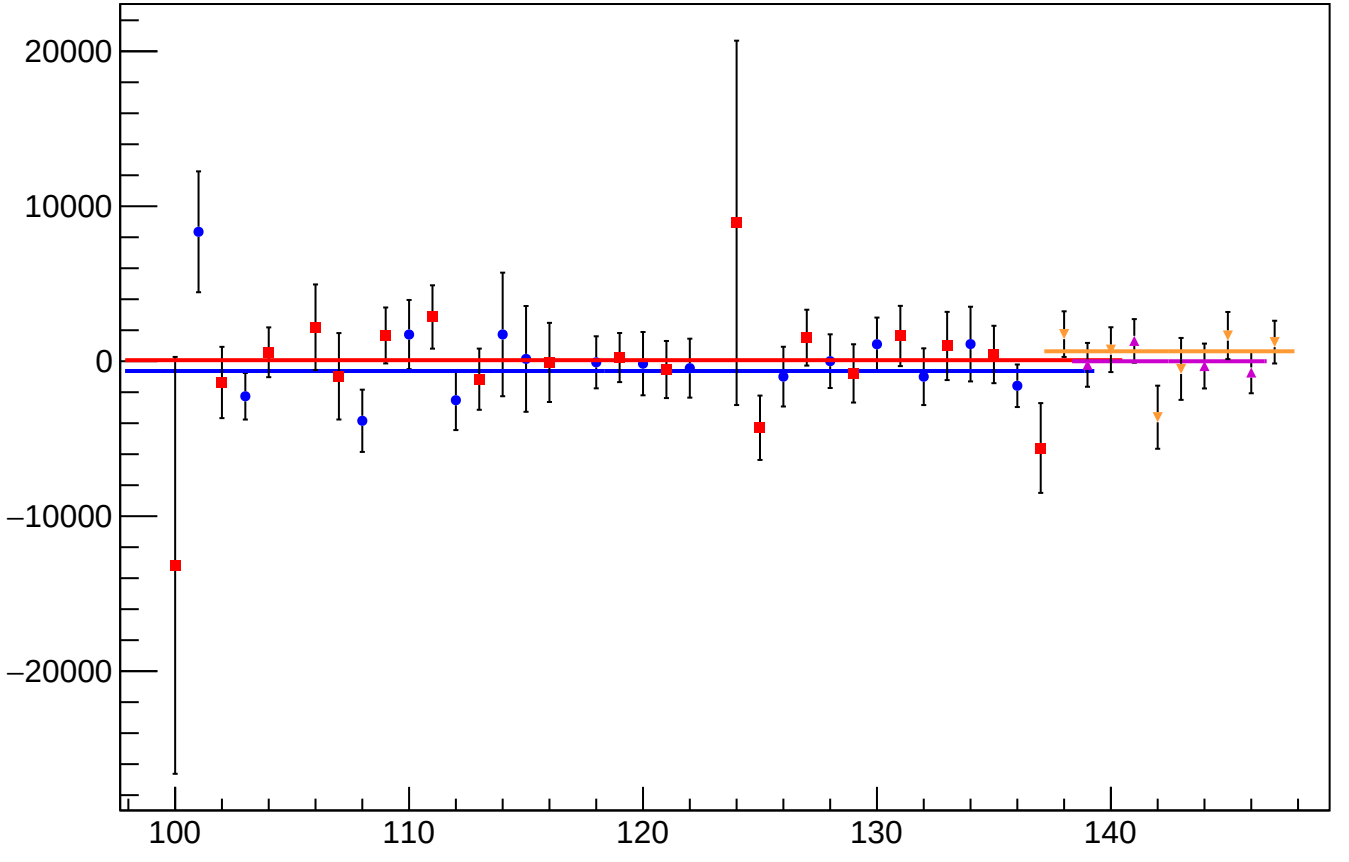
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4923748.1/21

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44

- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

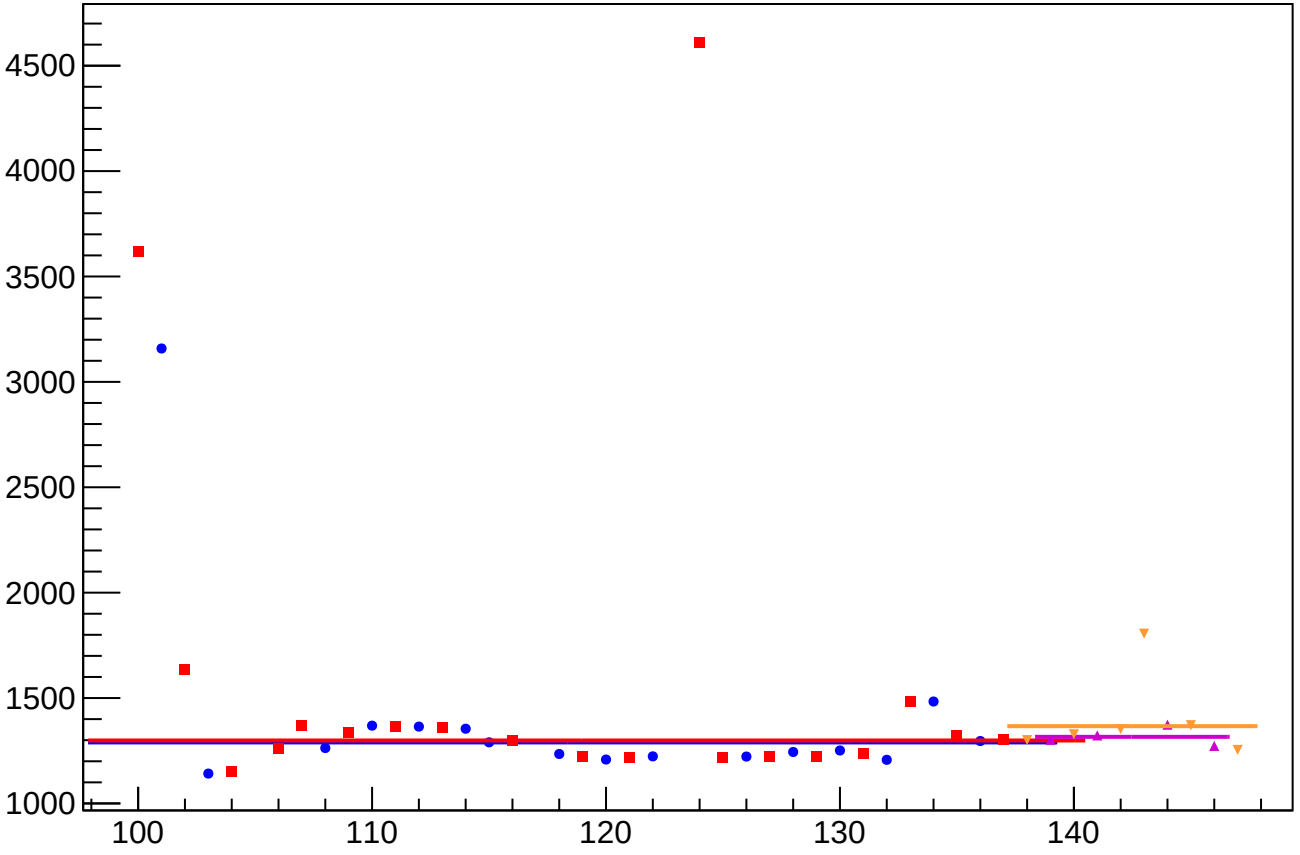
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -64.724+/-279.295 χ^2/NDF: 39.5/44

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

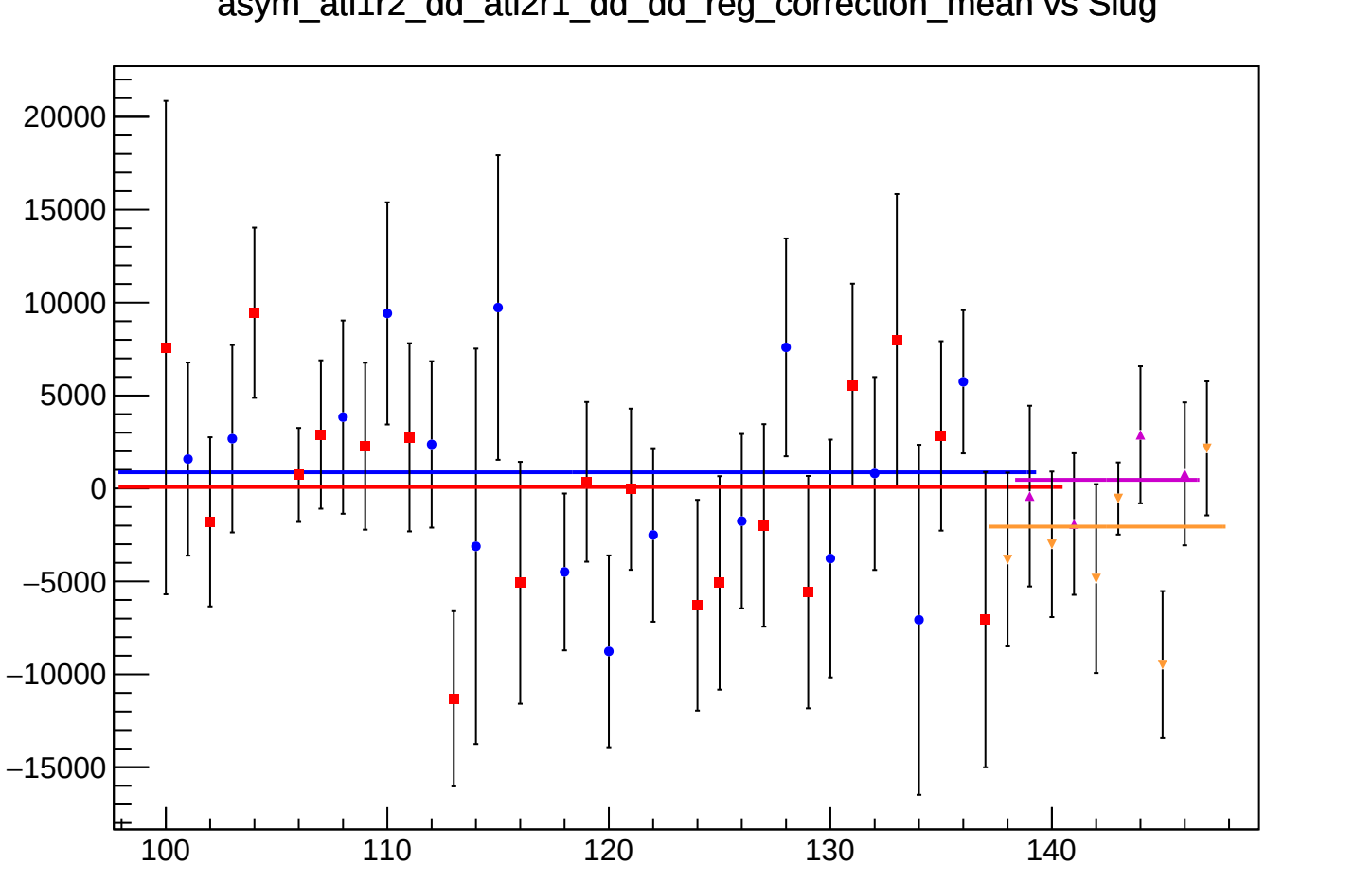
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

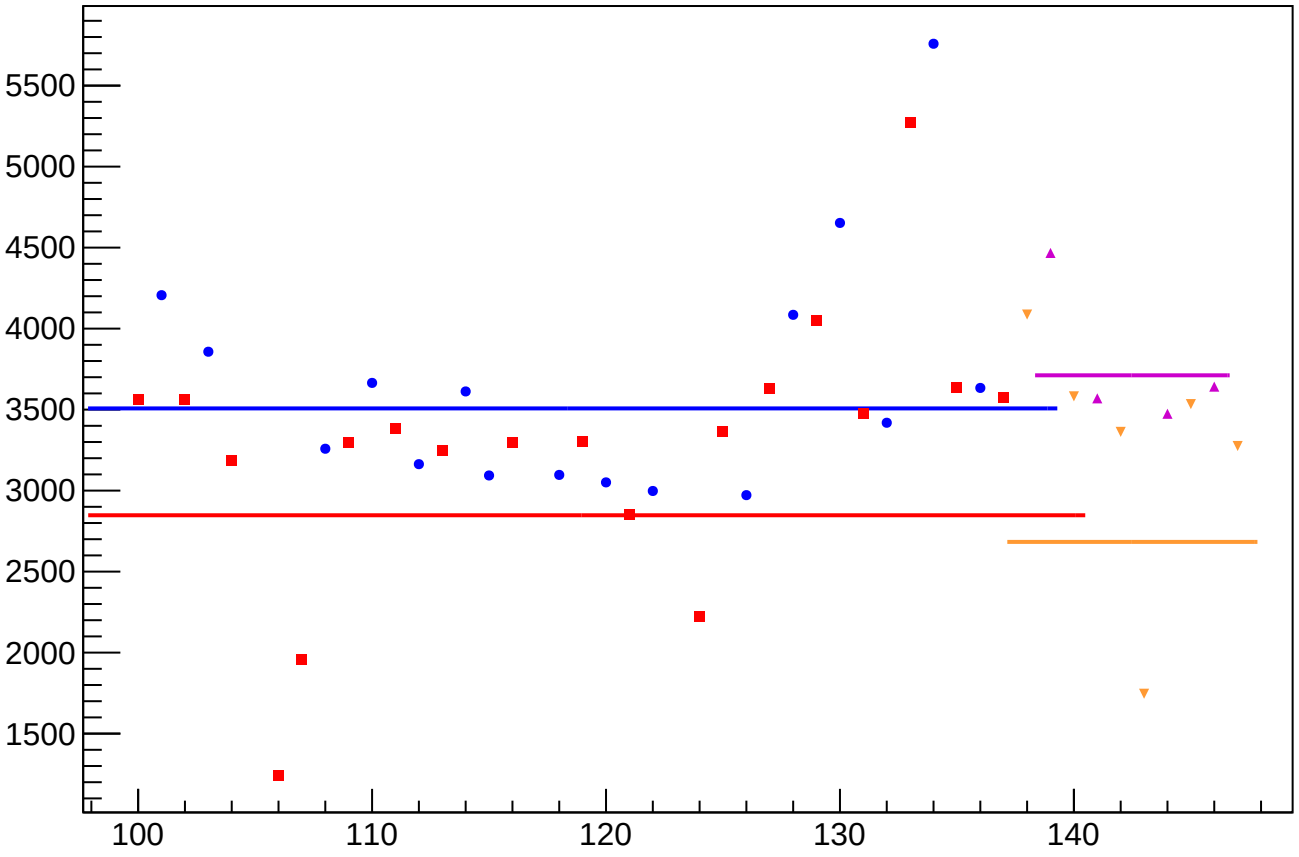
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -213.857+/-675.992 χ^2/NDF: 42.0/44

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

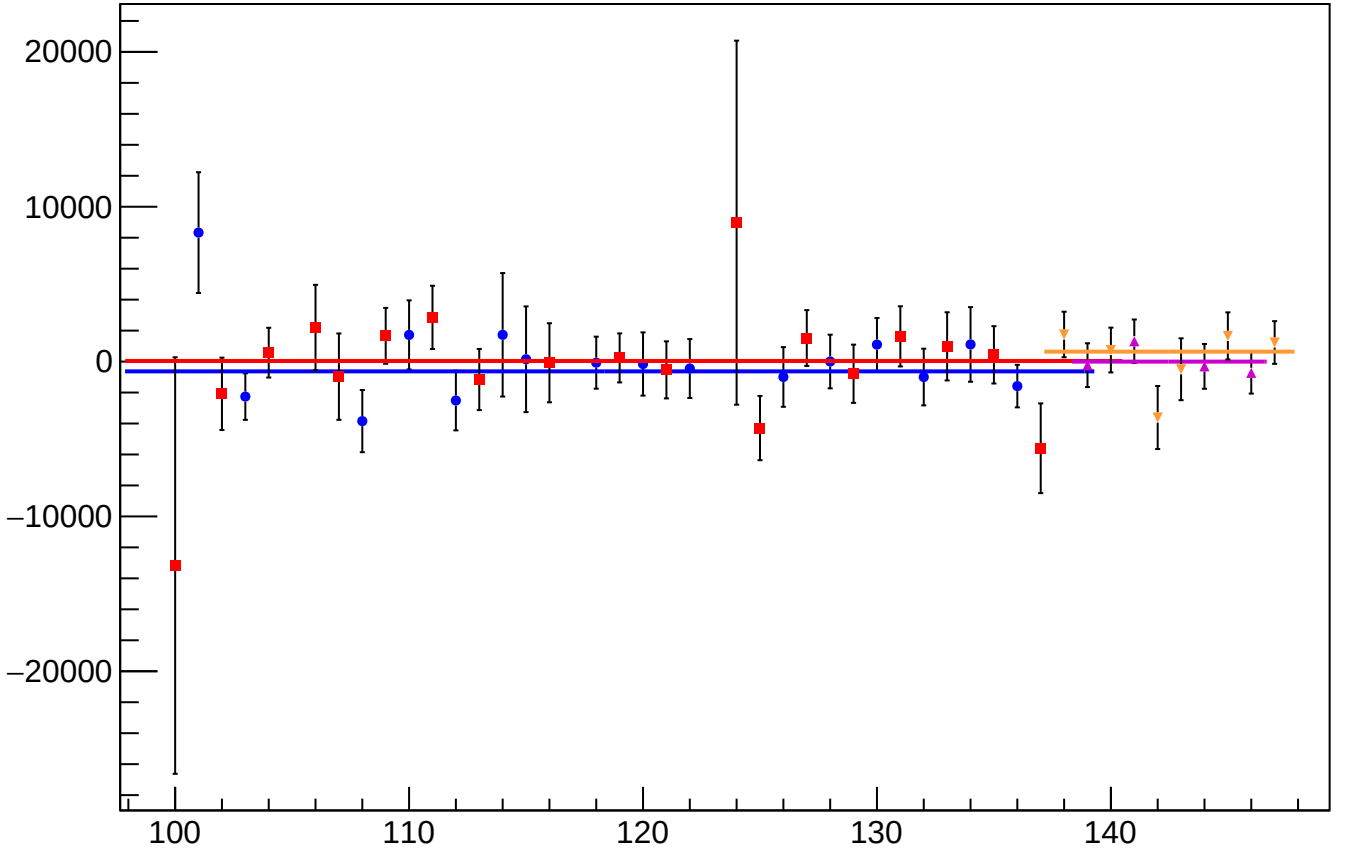
Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

+ sign 3100.086+/-0.666 χ^2/NDF: 1671168.1/21

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44

- sign 3053.053+/-0.686 χ^2/NDF: 1846607.5/22

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

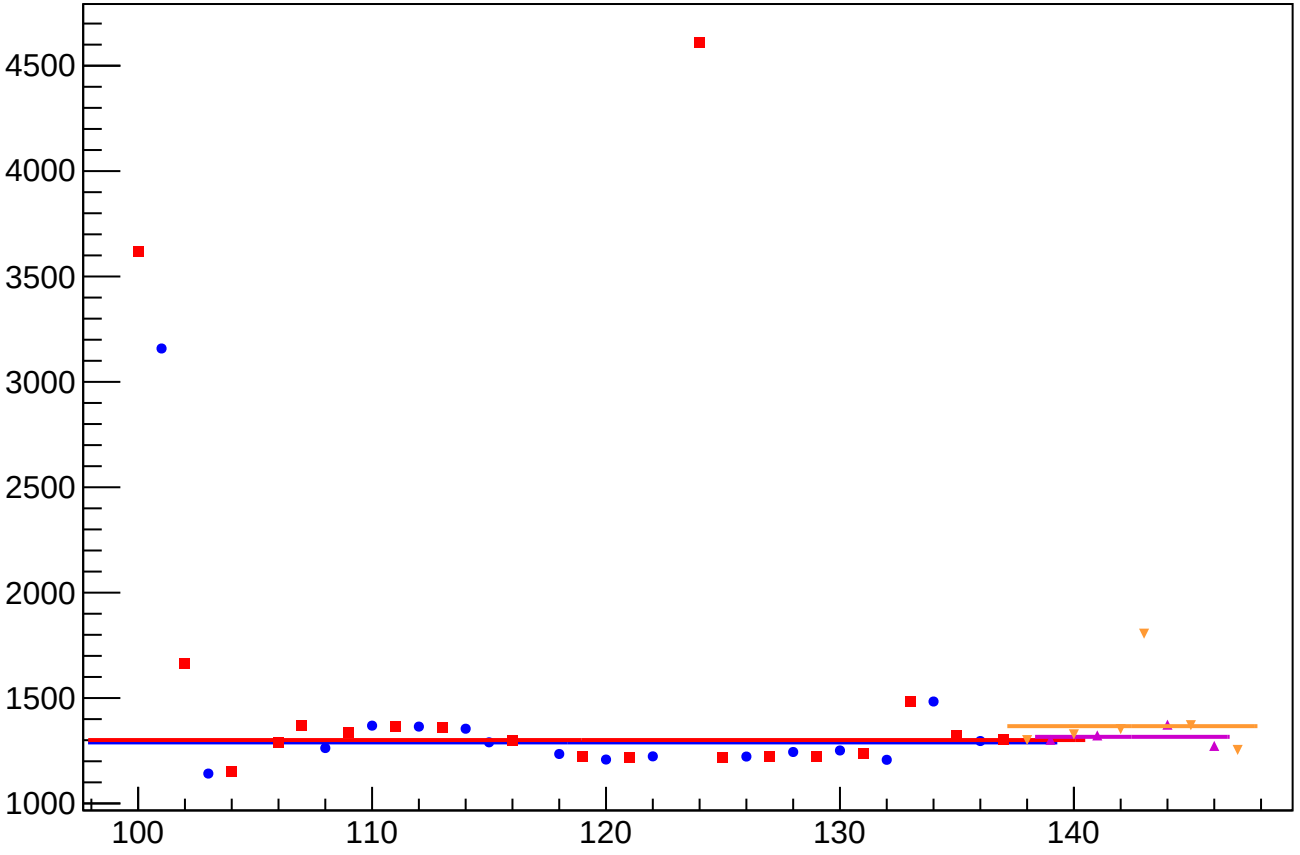
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

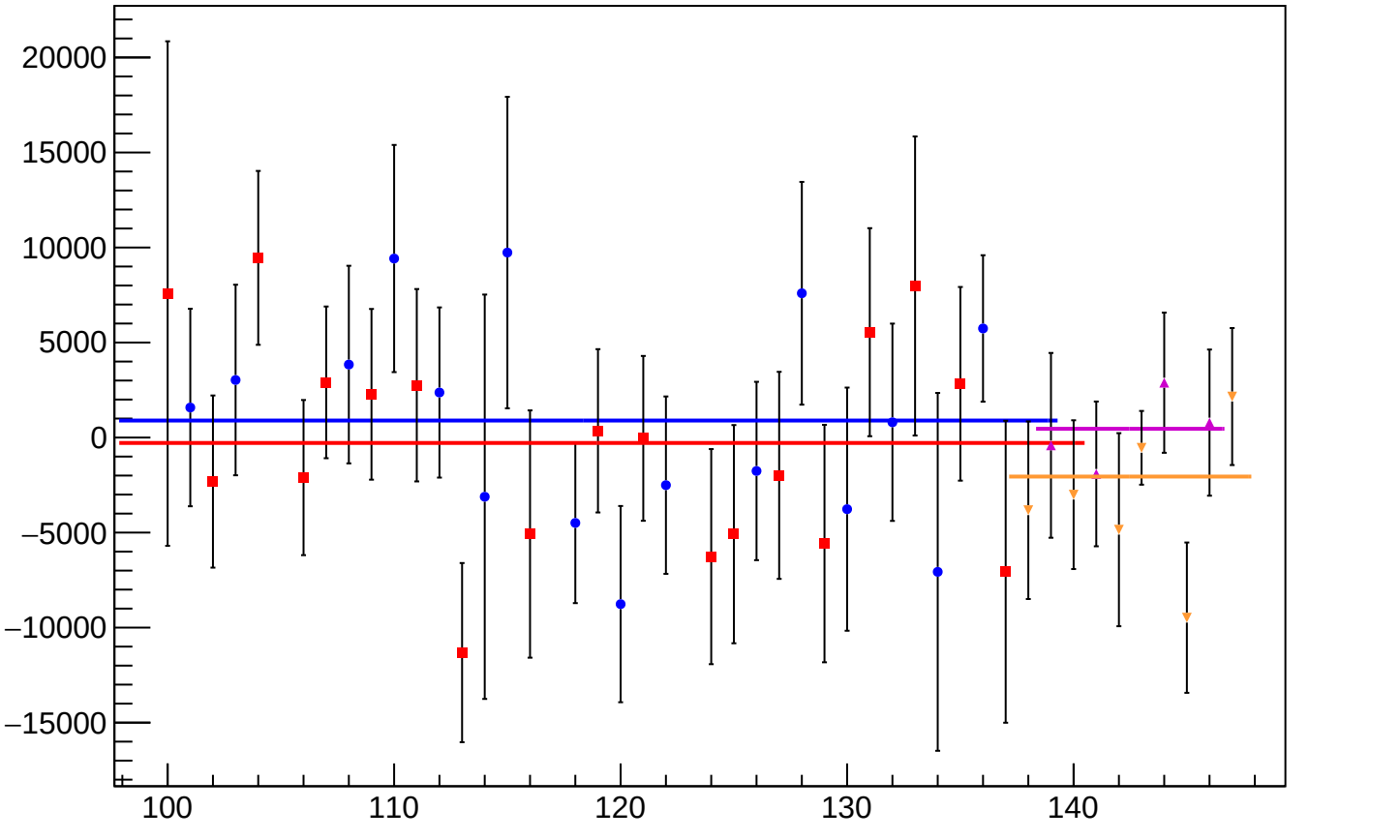
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

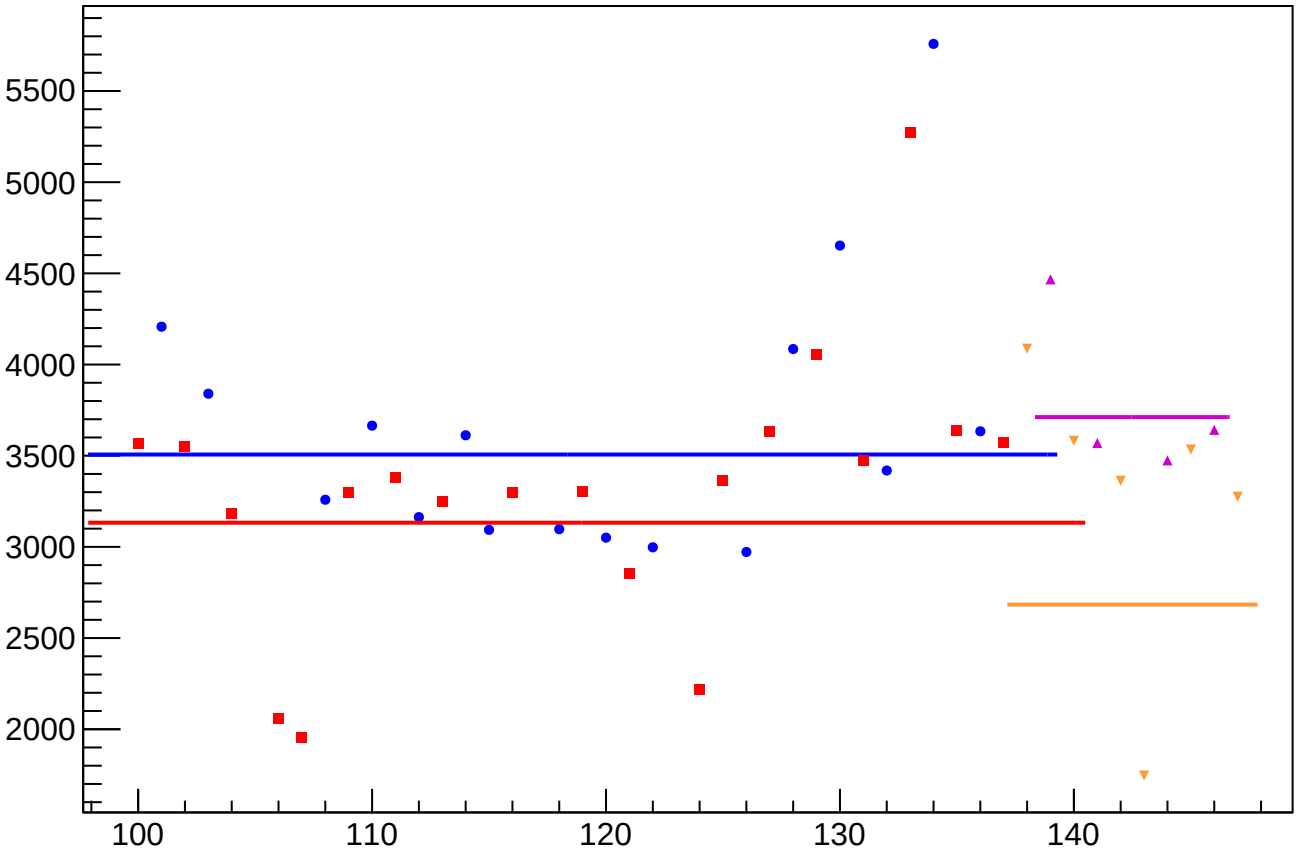
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

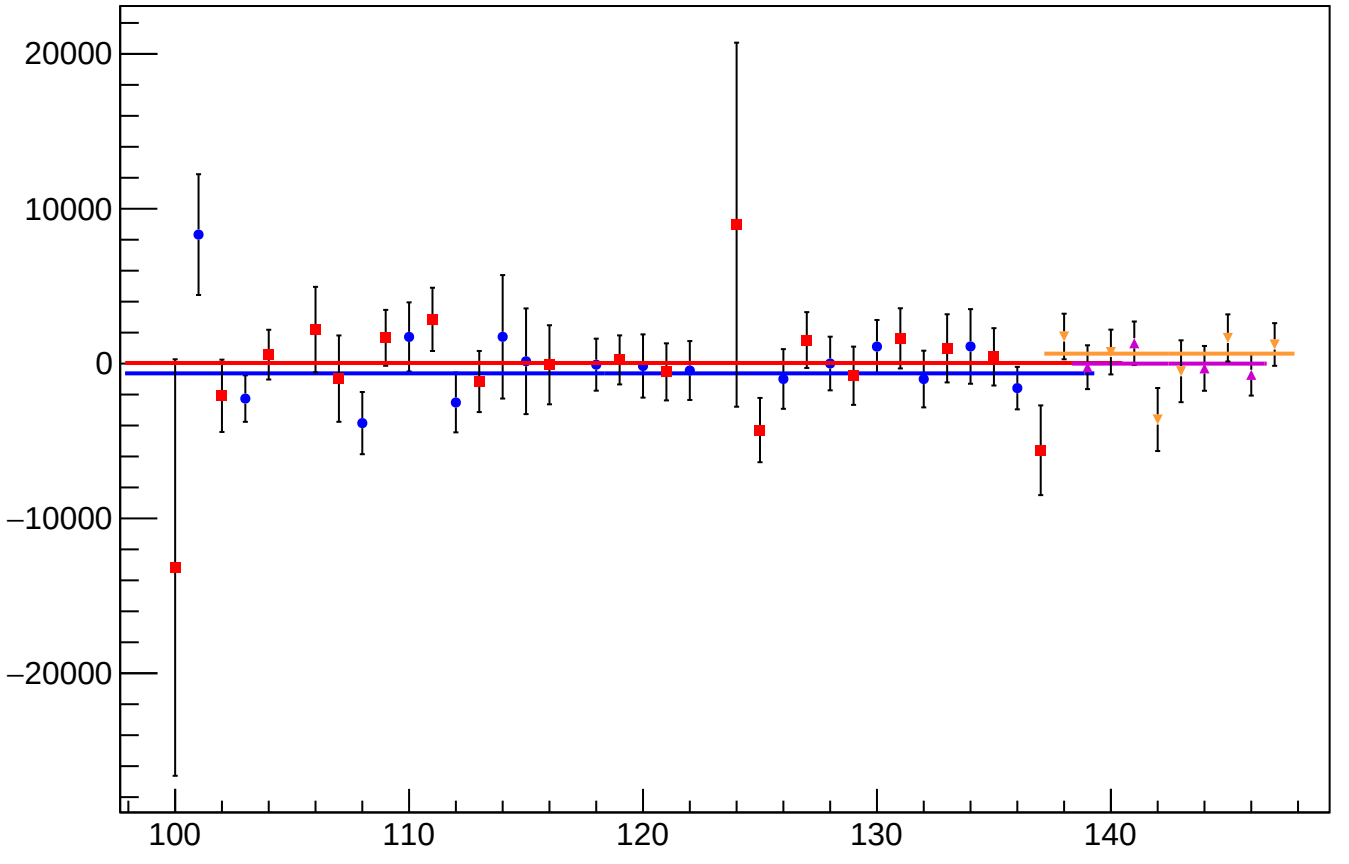
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

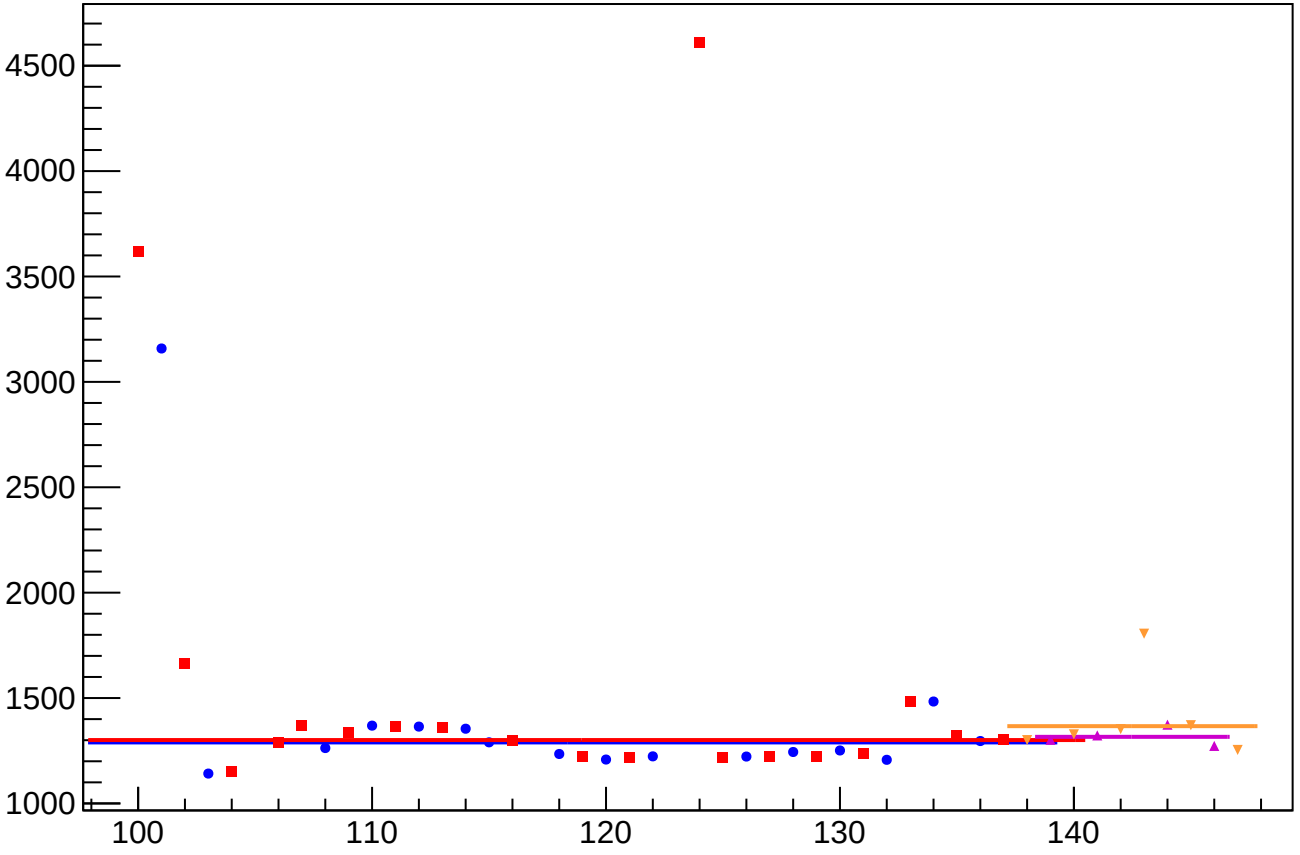
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -74.431+/-279.355 χ^2/NDF: 39.9/44

- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

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: 1366.586+/-0.457 χ^2/NDF:115388.7/5

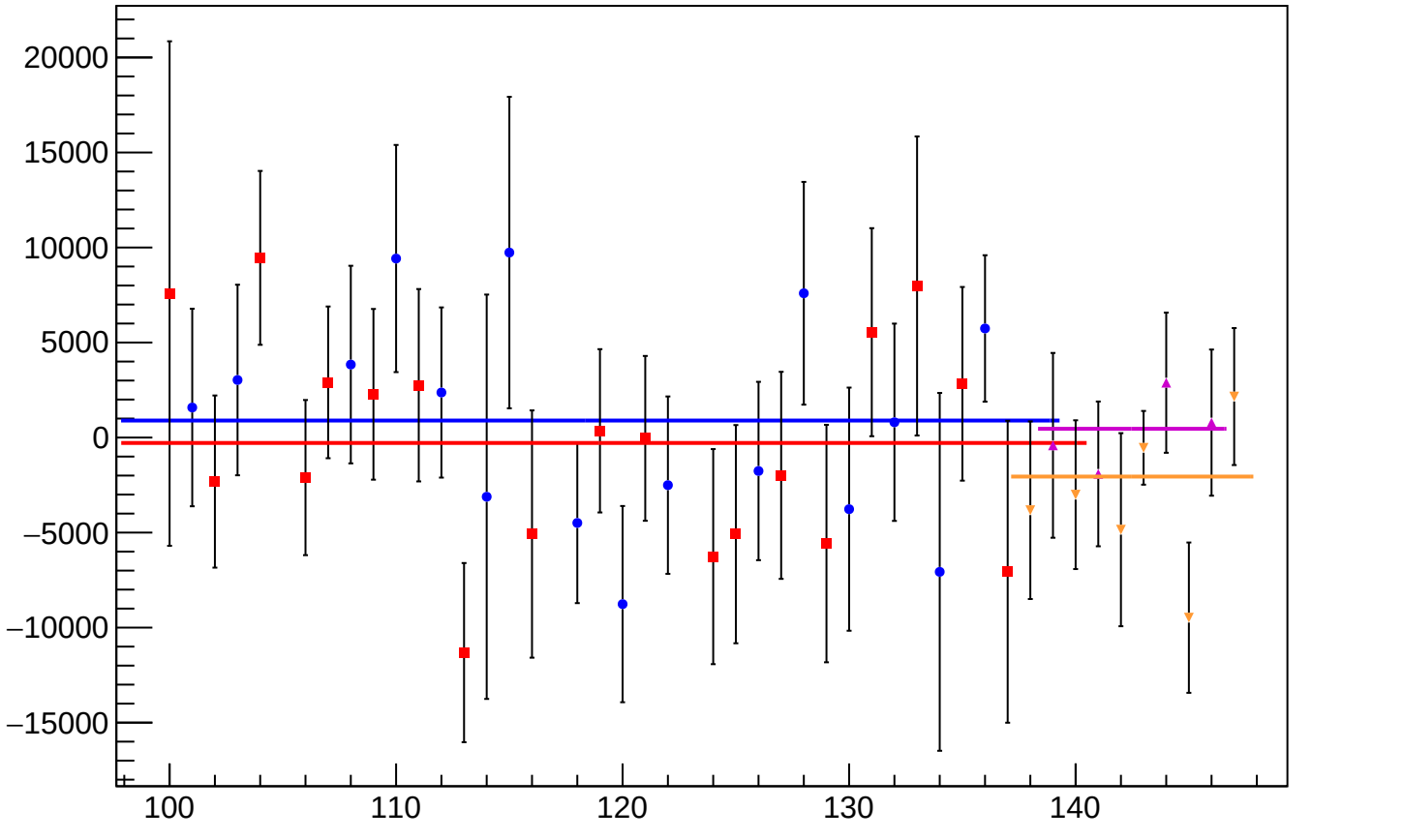
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

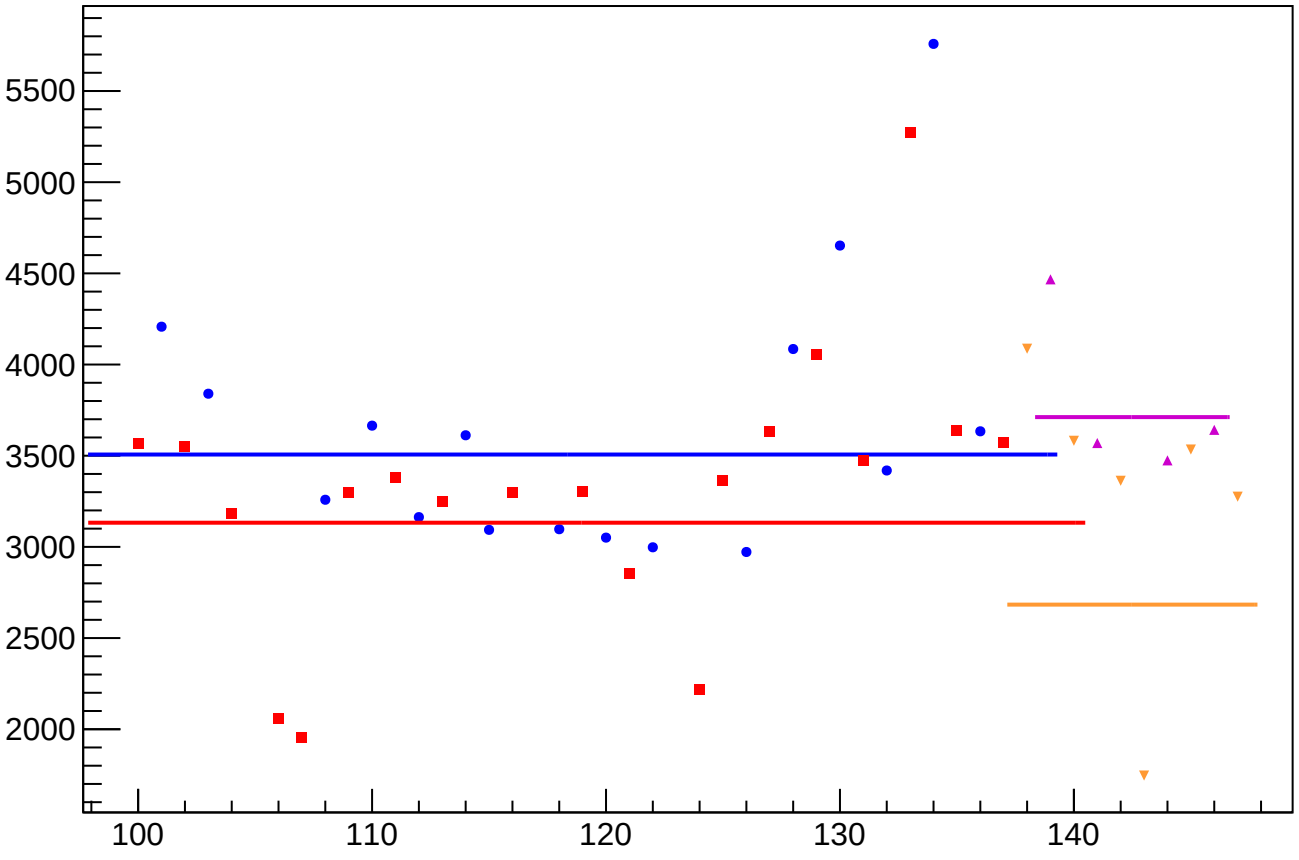
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -343.228+/-691.213 χ^2/NDF: 42.2/44

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

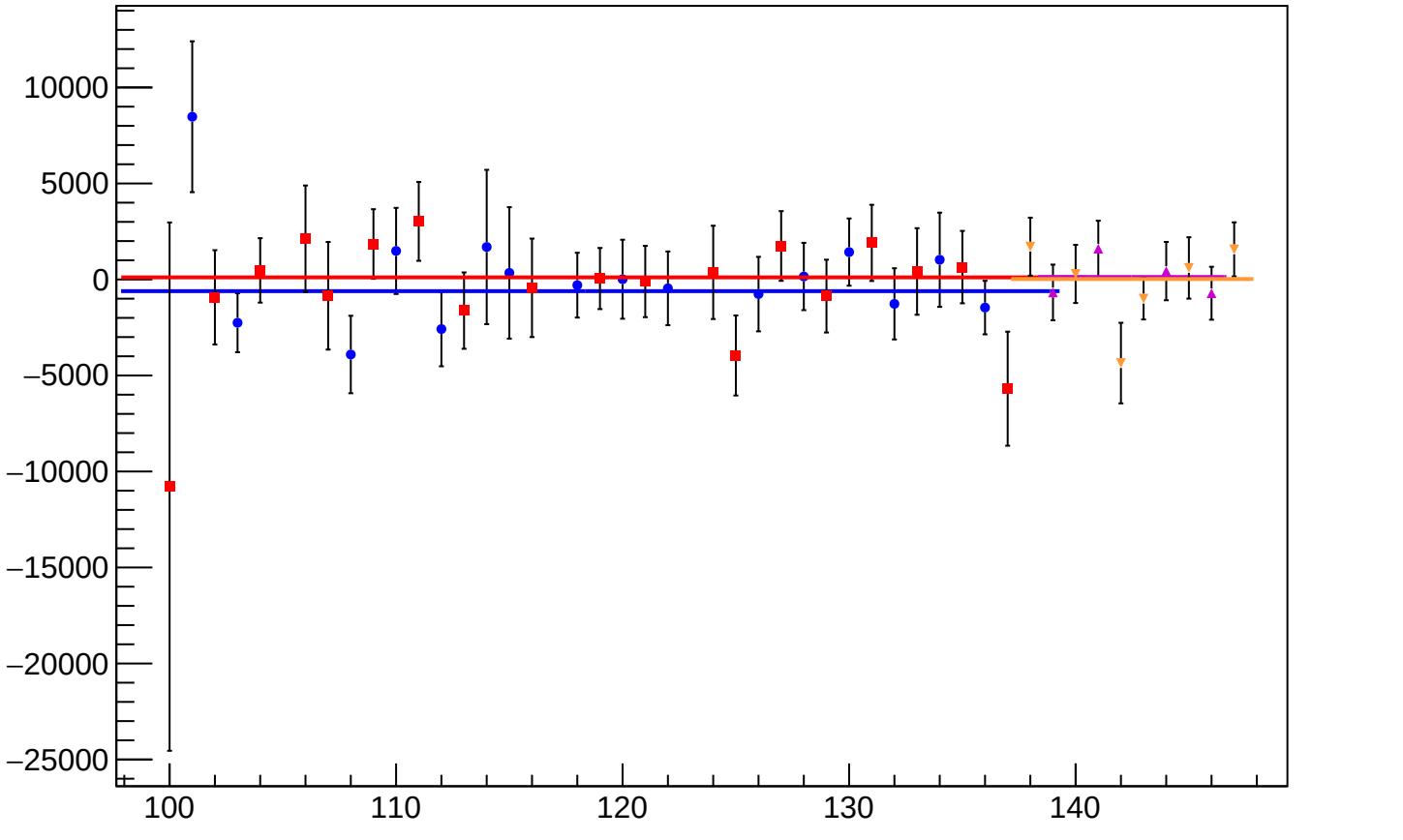
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

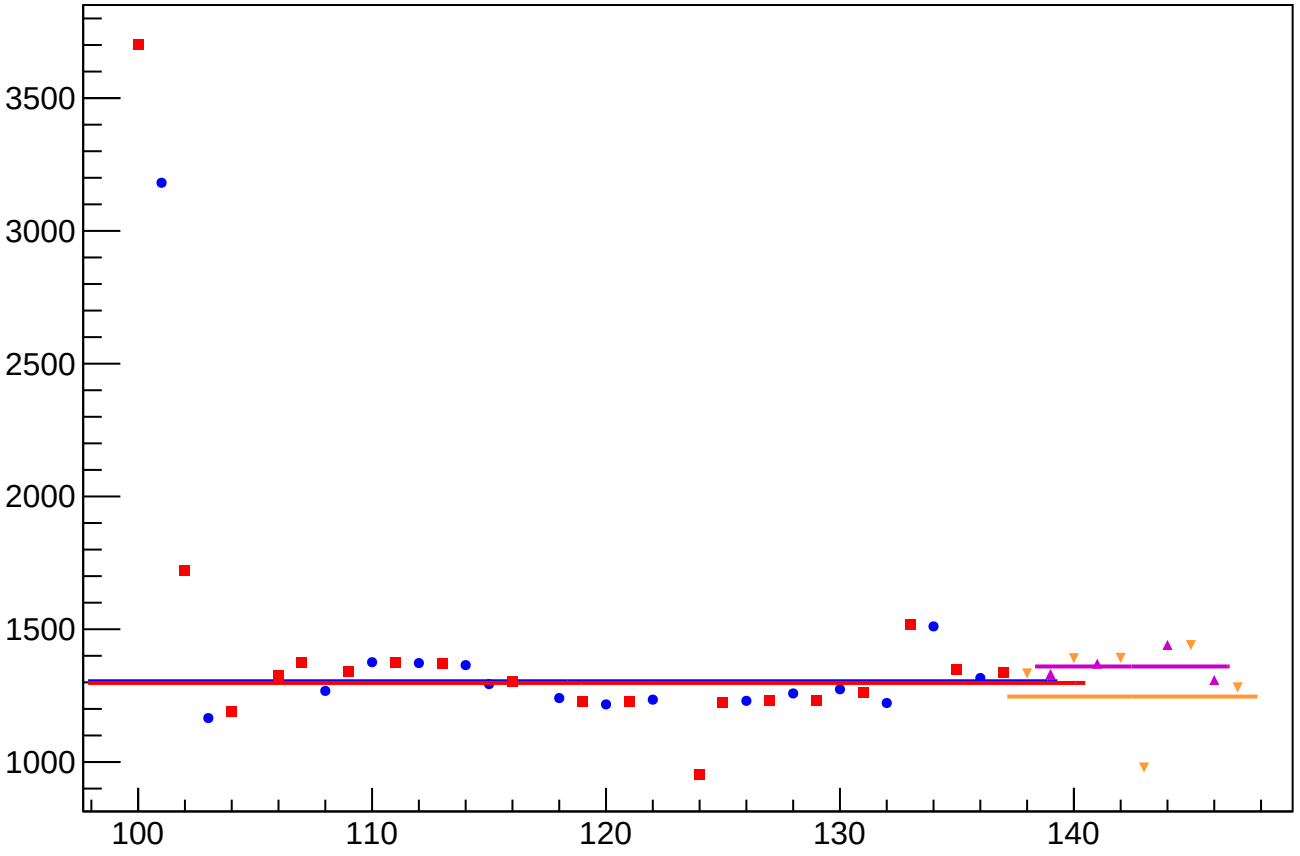
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

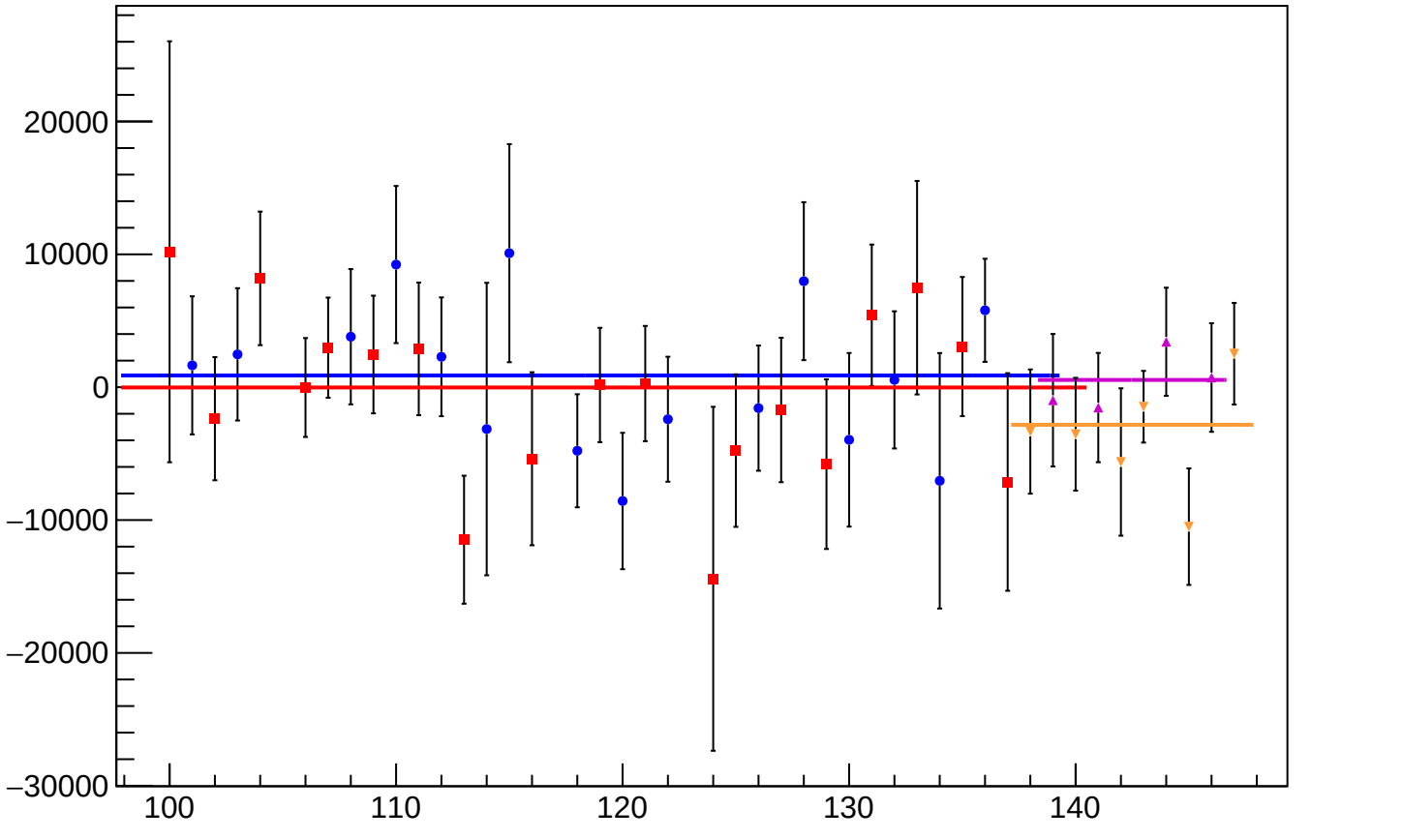
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

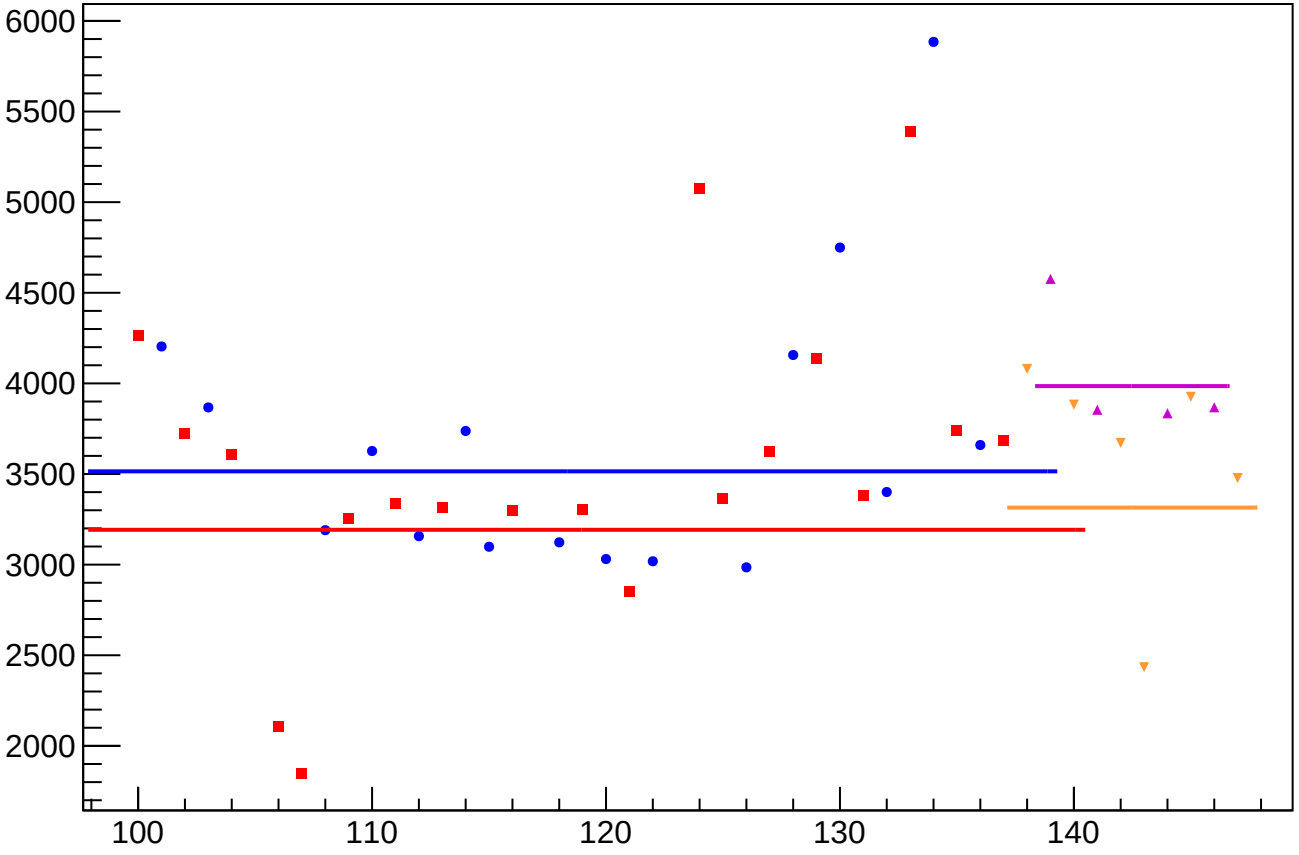
Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -267.083+/-730.675 χ^2/NDF: 40.9/44

- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3314.764+/-1.130 χ^2/NDF:353402.5/5

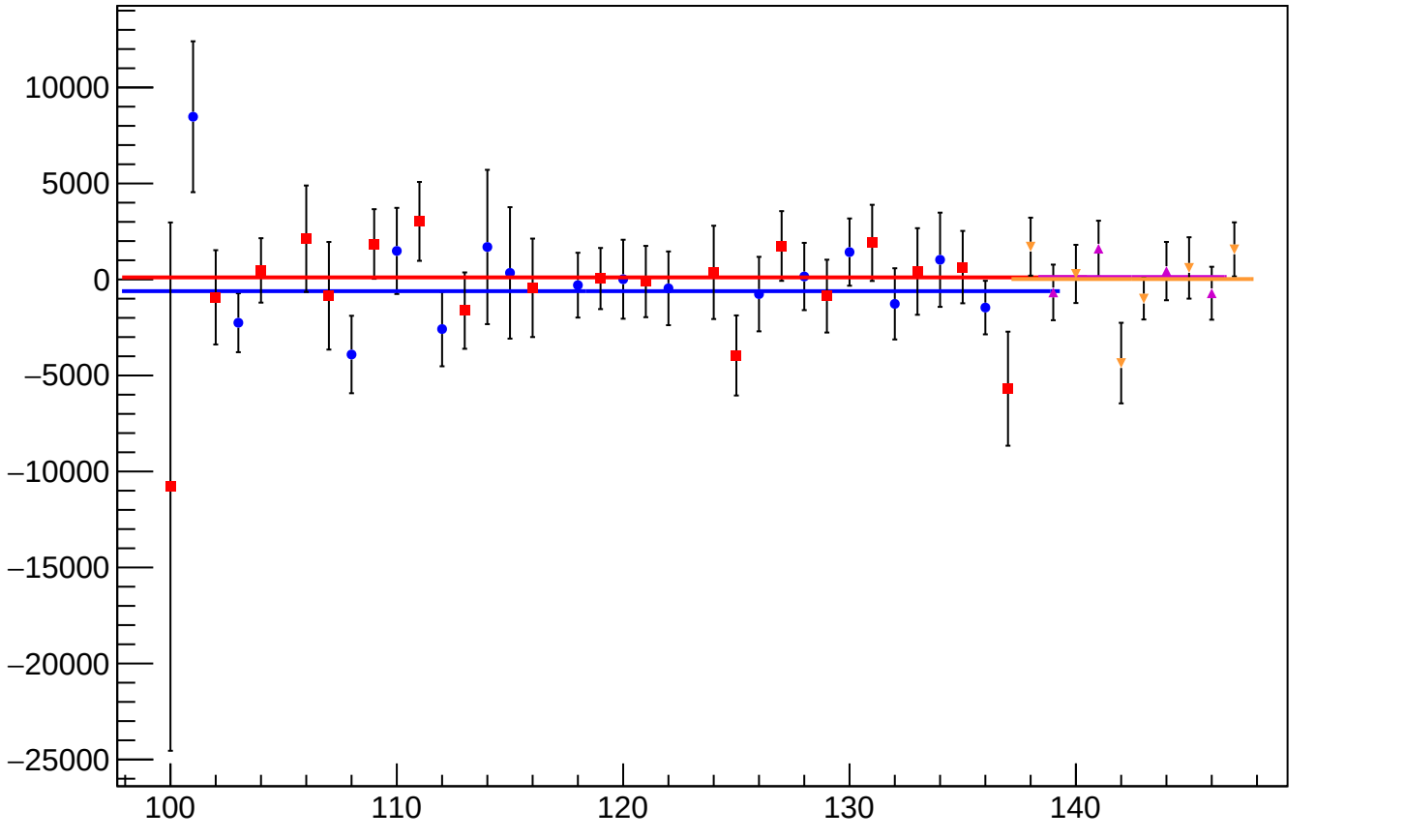
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

\+ sign 3433.109+/-0.722 χ^2/NDF: 747012.4/21

All: 3408.505+/-0.517 χ^2/NDF: 1766139.1/44

\- sign 3382.690+/-0.740 χ^2/NDF: 1016747.3/22



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

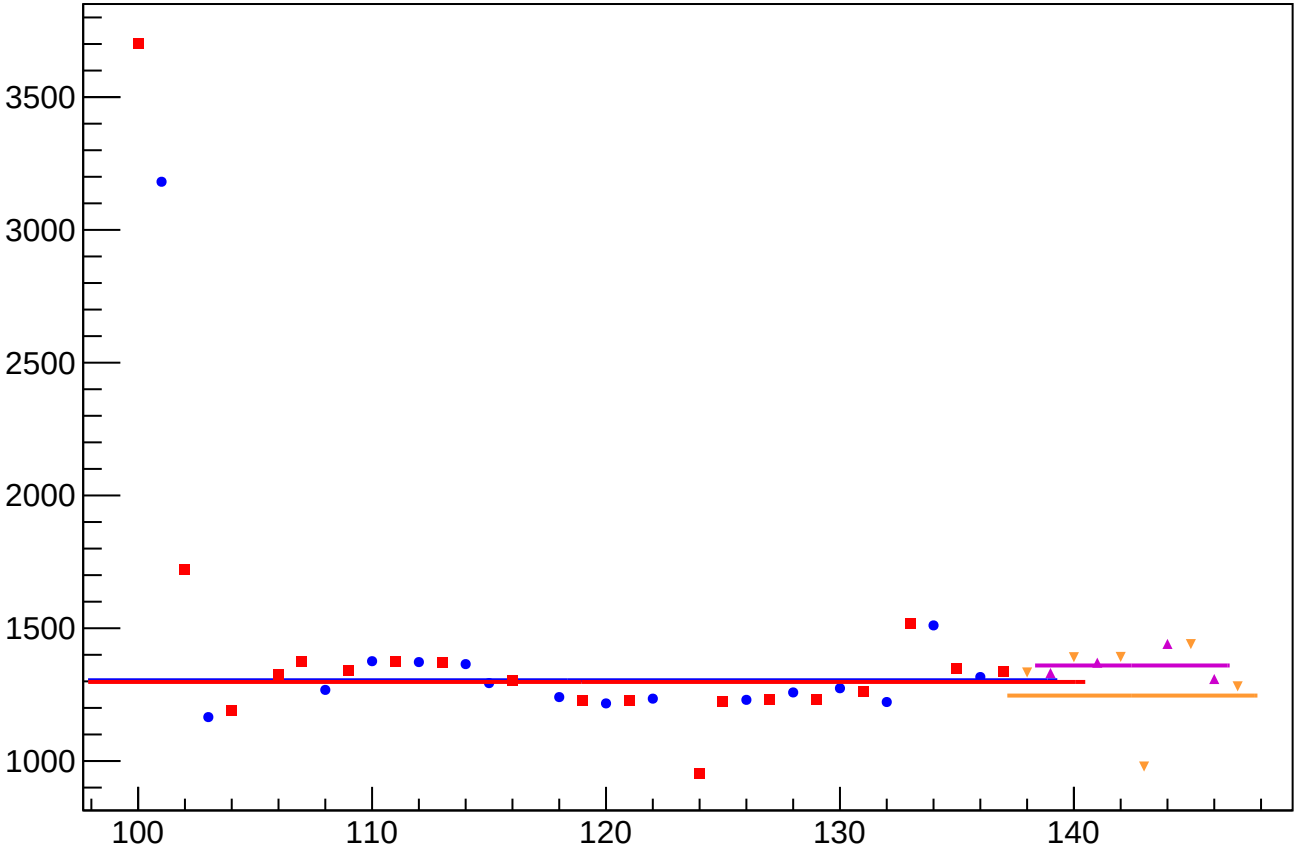
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -131.405+/-276.370 χ^2/NDF: 39.9/44

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

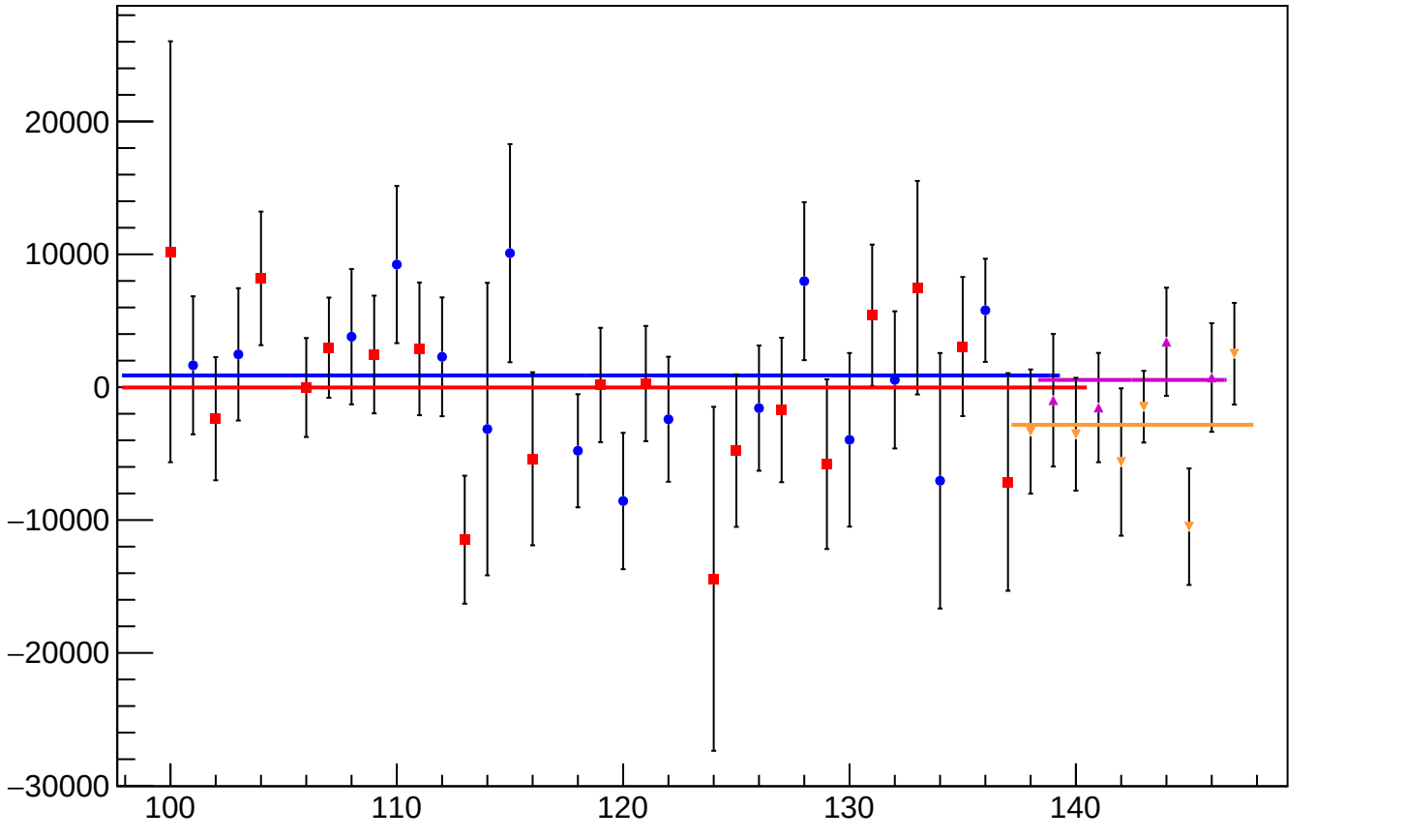
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

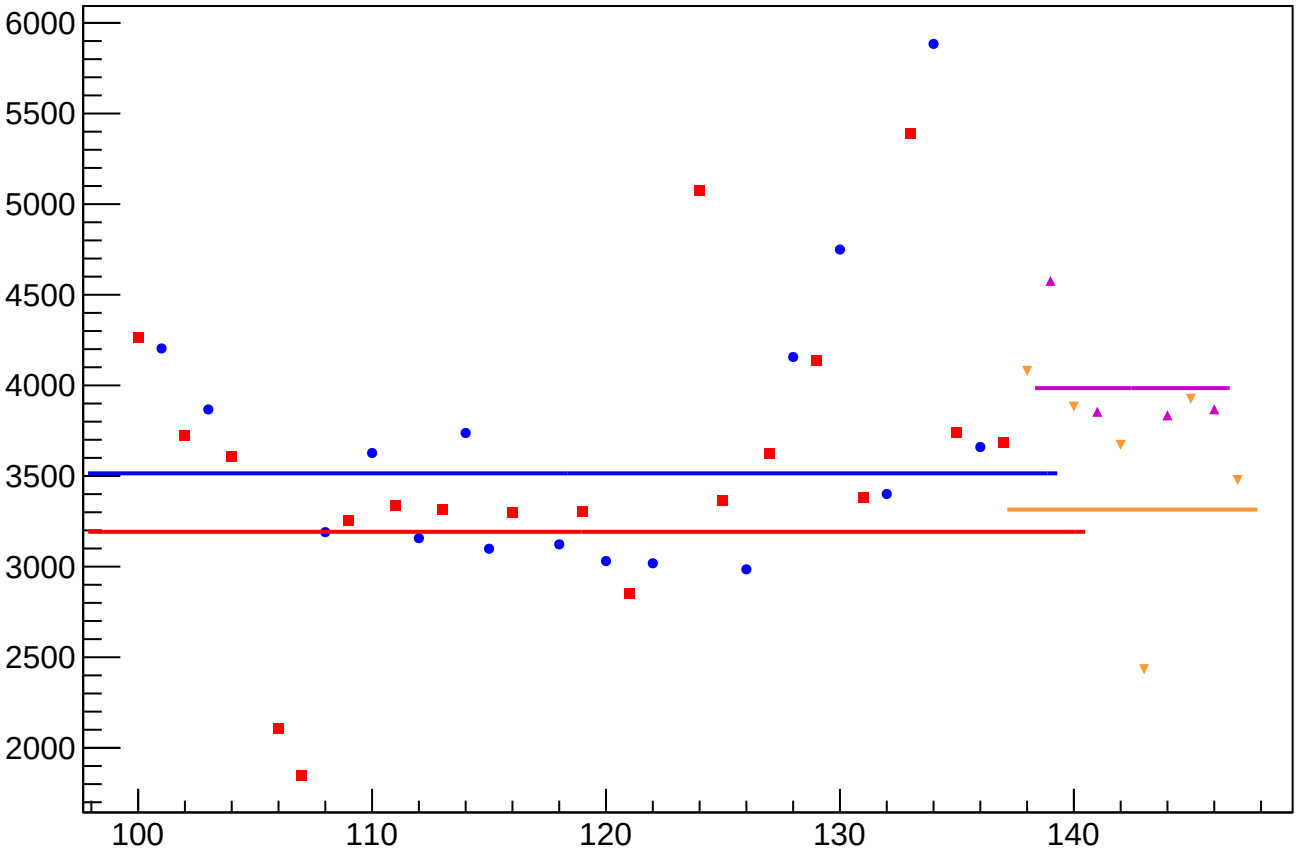
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -267.082+/-730.674 χ^2/NDF: 40.9/44

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

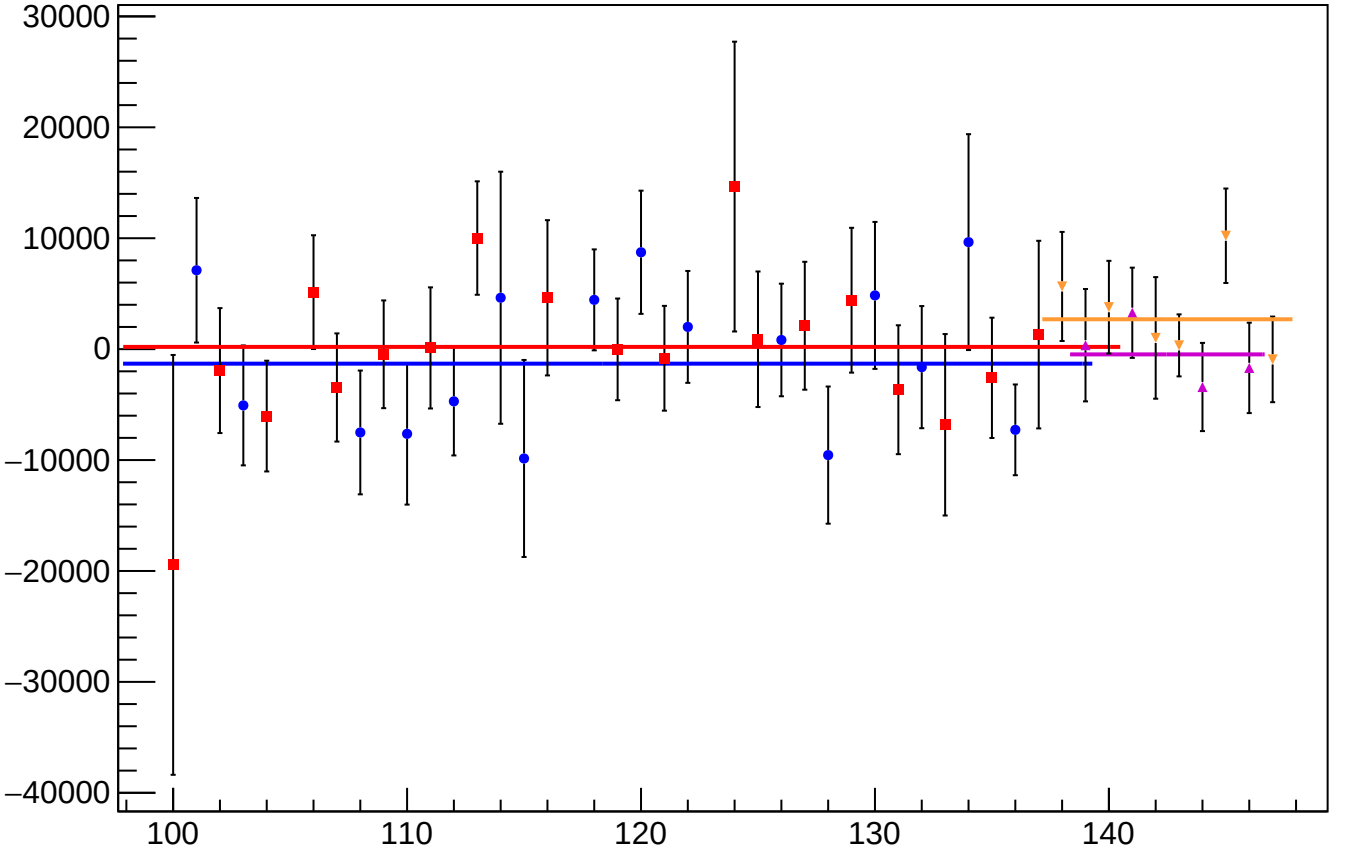
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

\+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3408.501+/-0.517 χ^2/NDF: 1766151.8/44

\- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

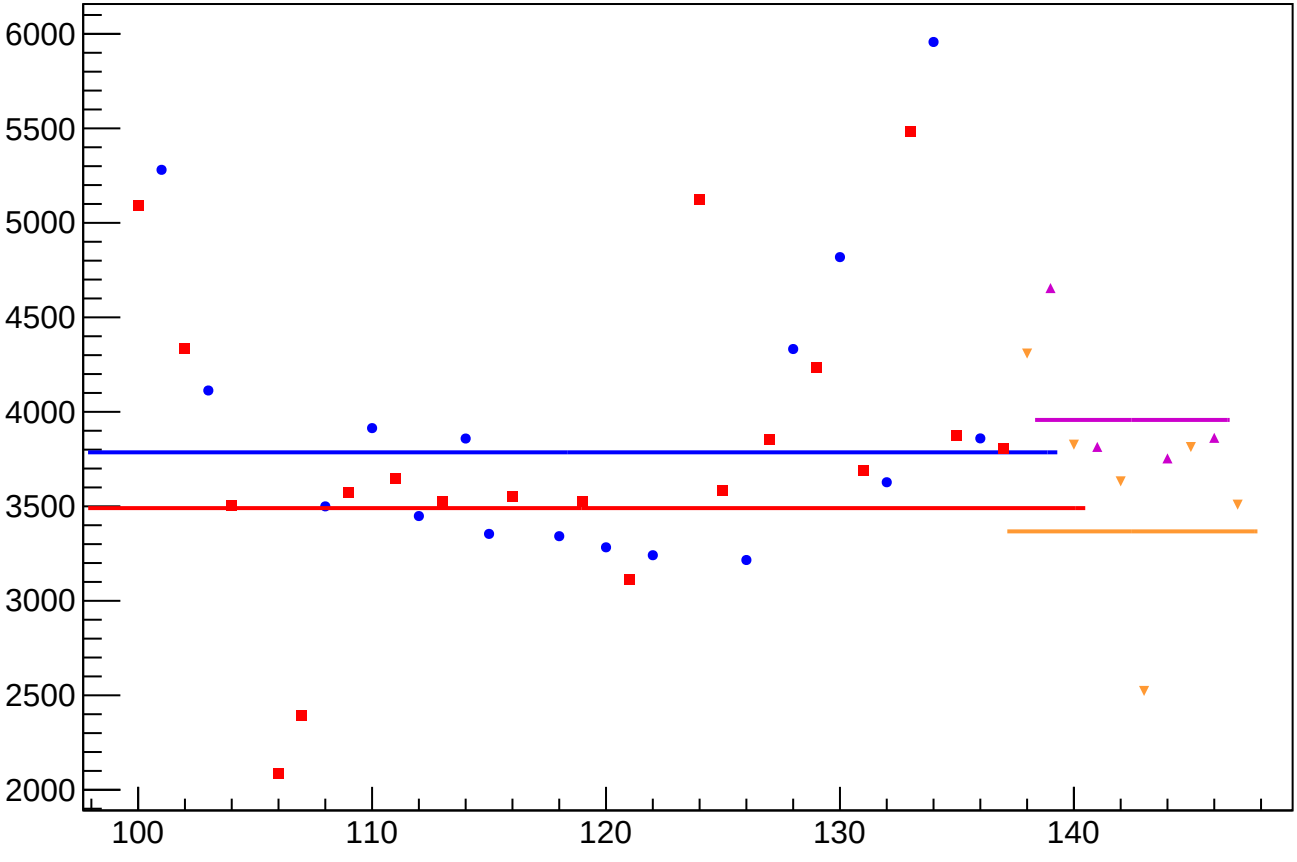
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

\+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 240.751+/-777.758 χ^2/NDF: 39.6/44

\- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

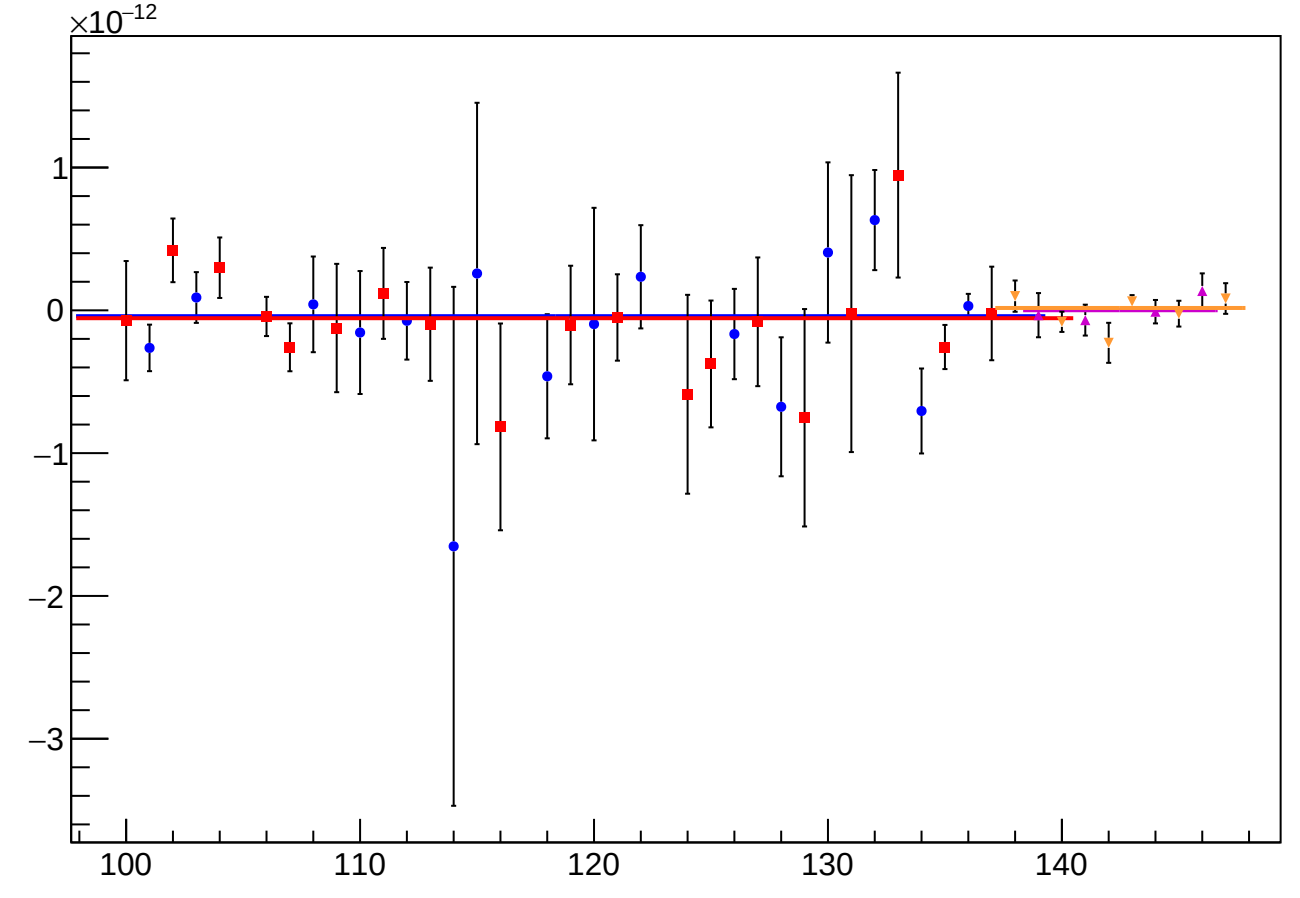
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

\+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44

\- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

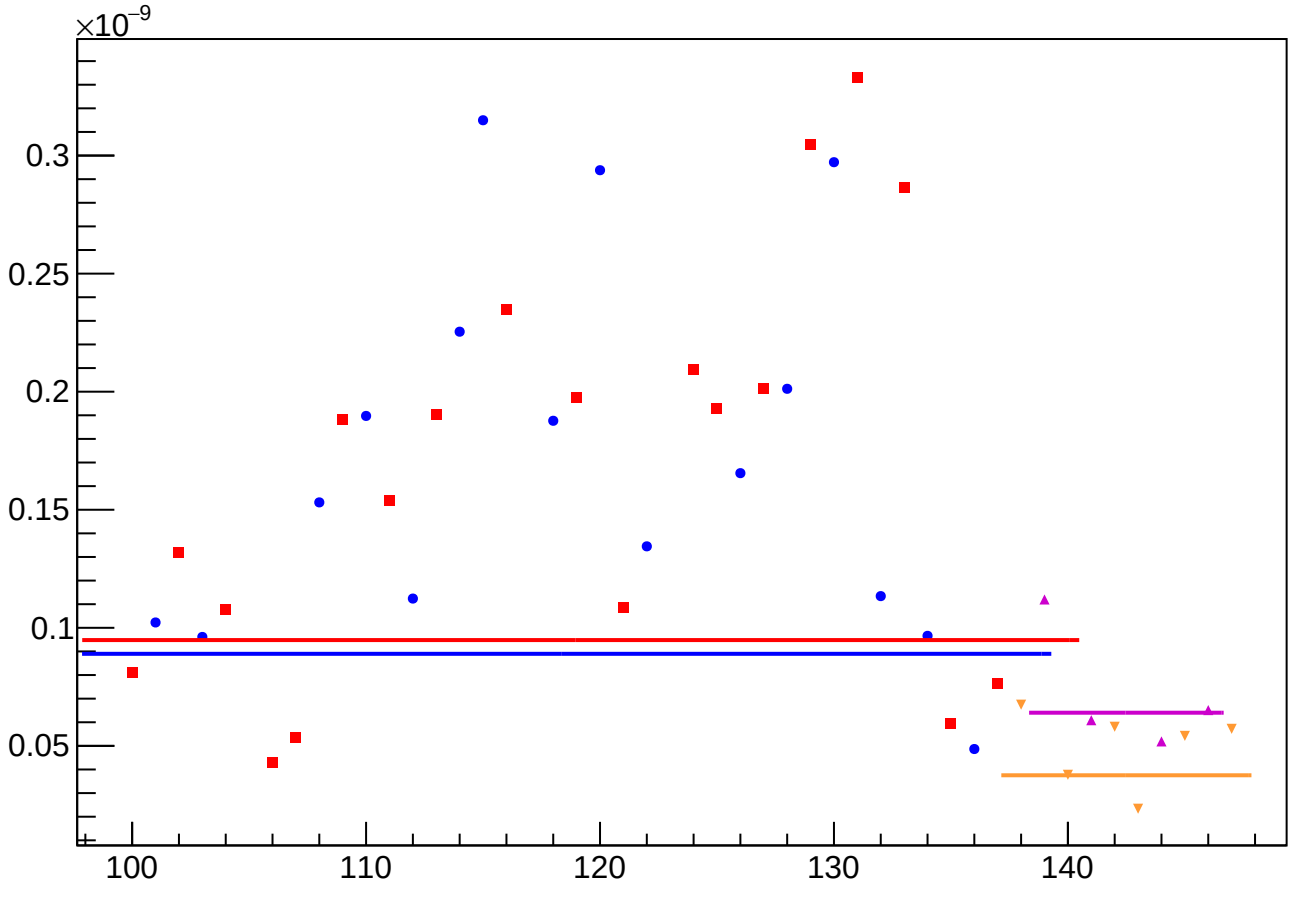
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.8/44

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

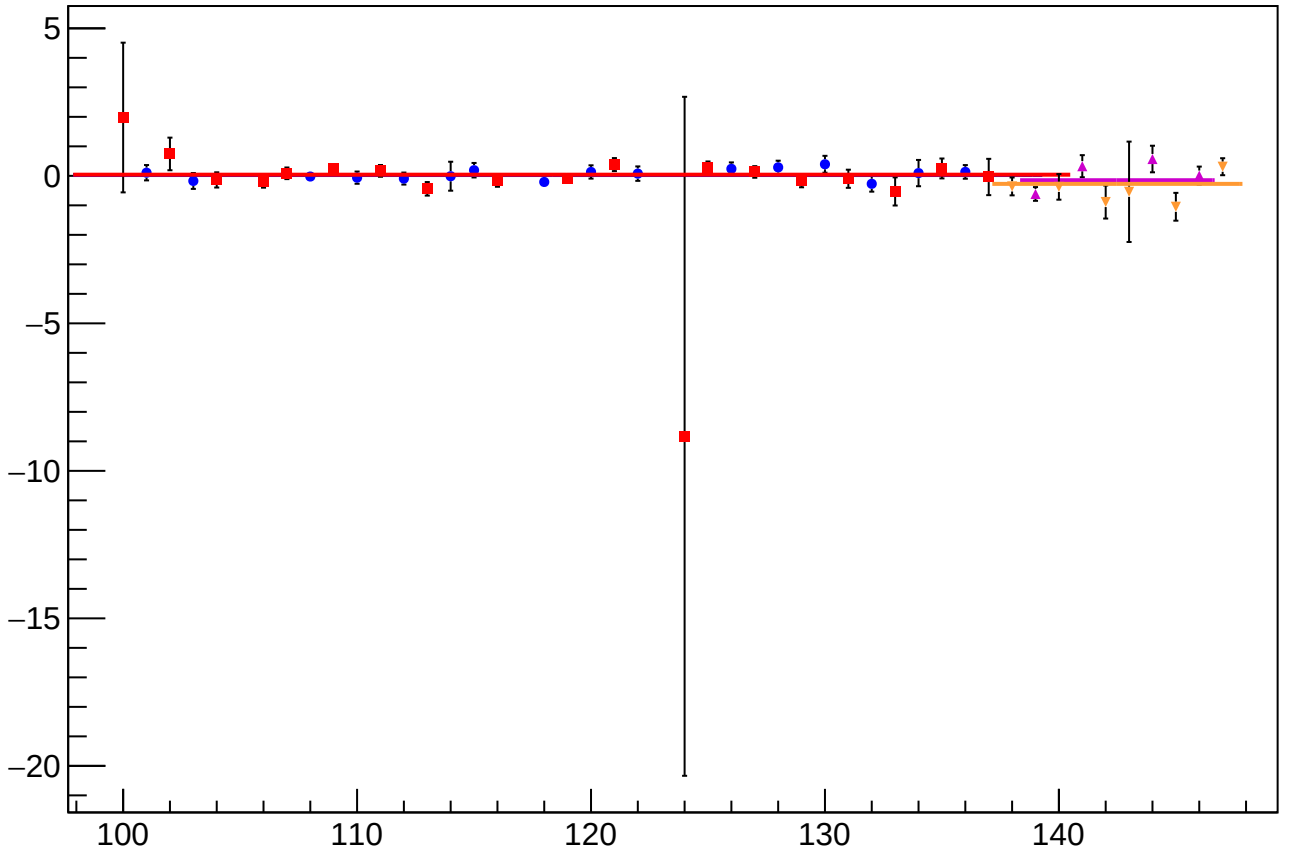
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

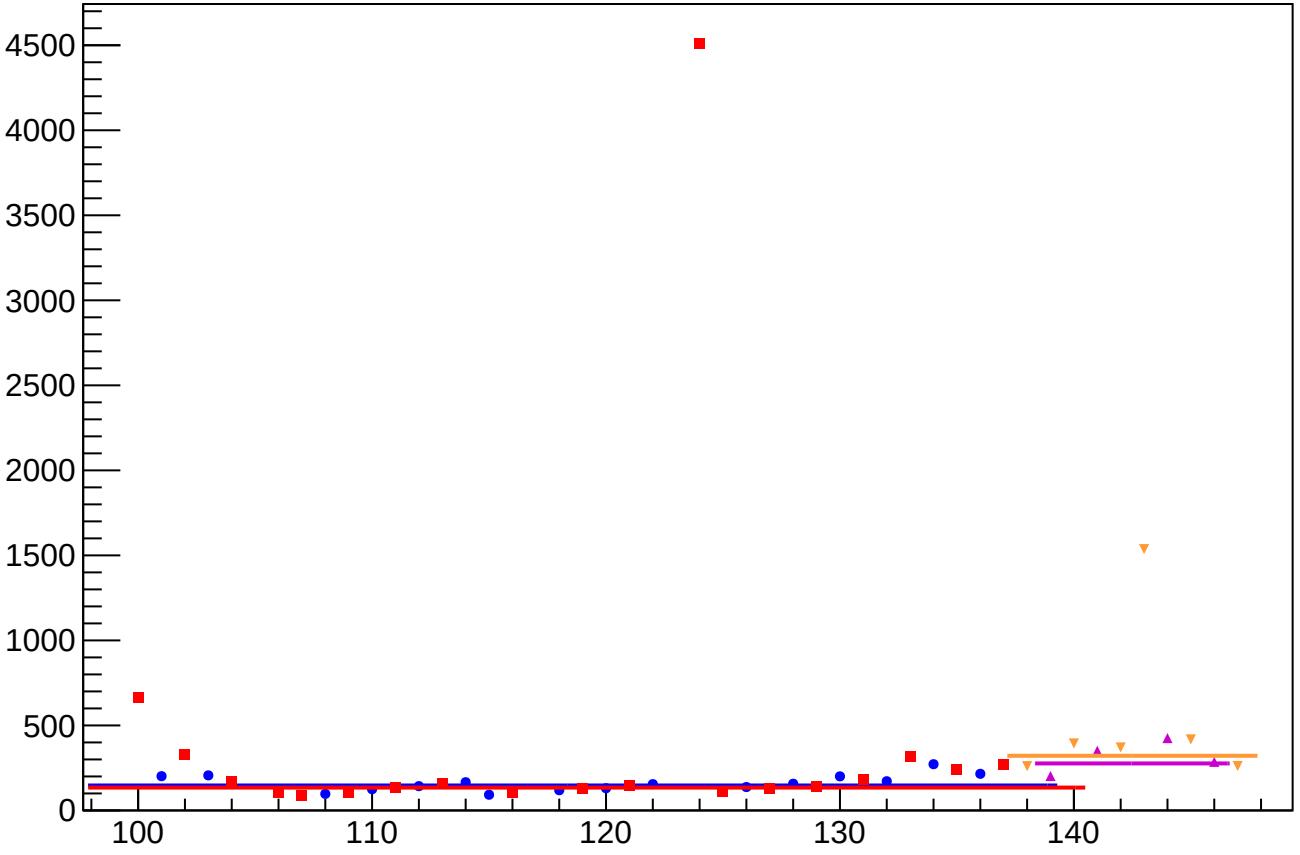
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

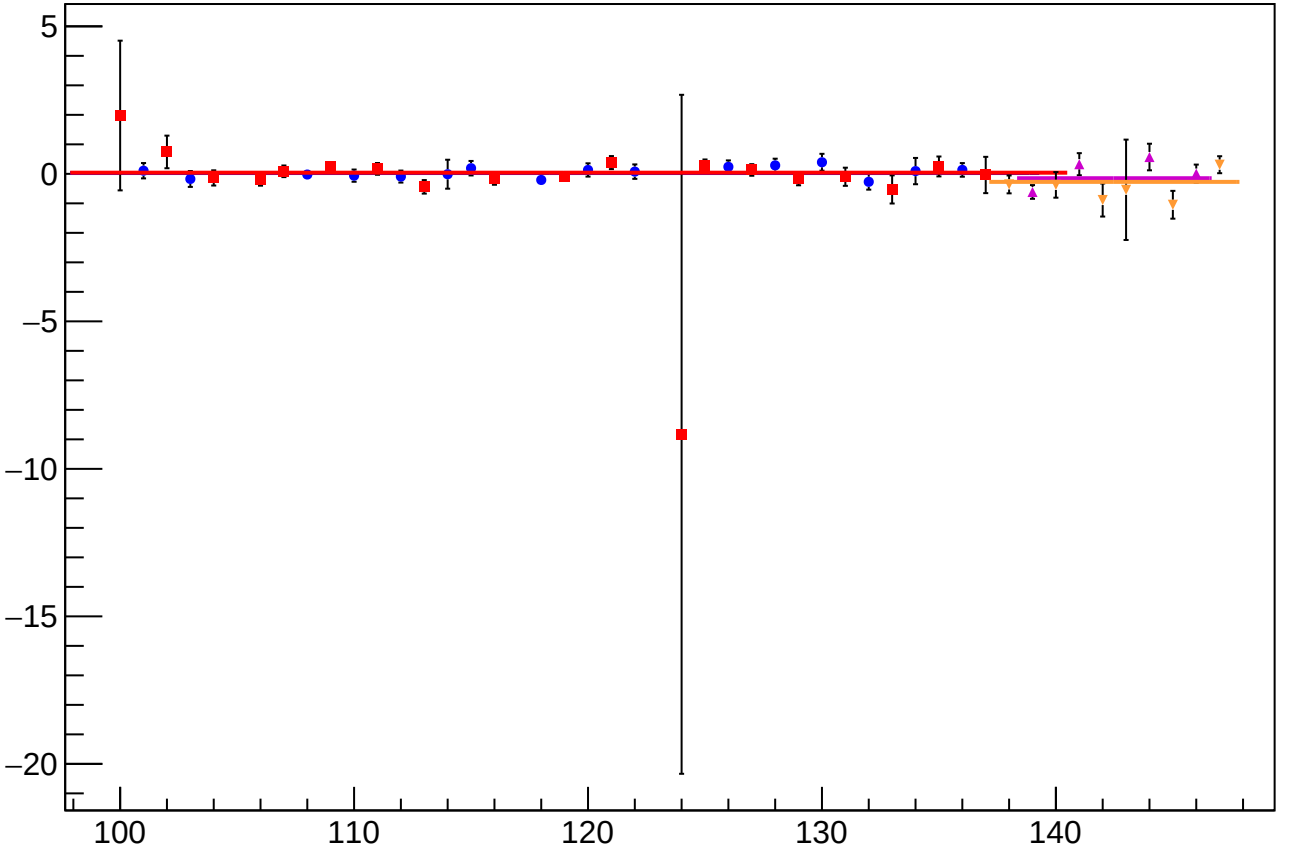
Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

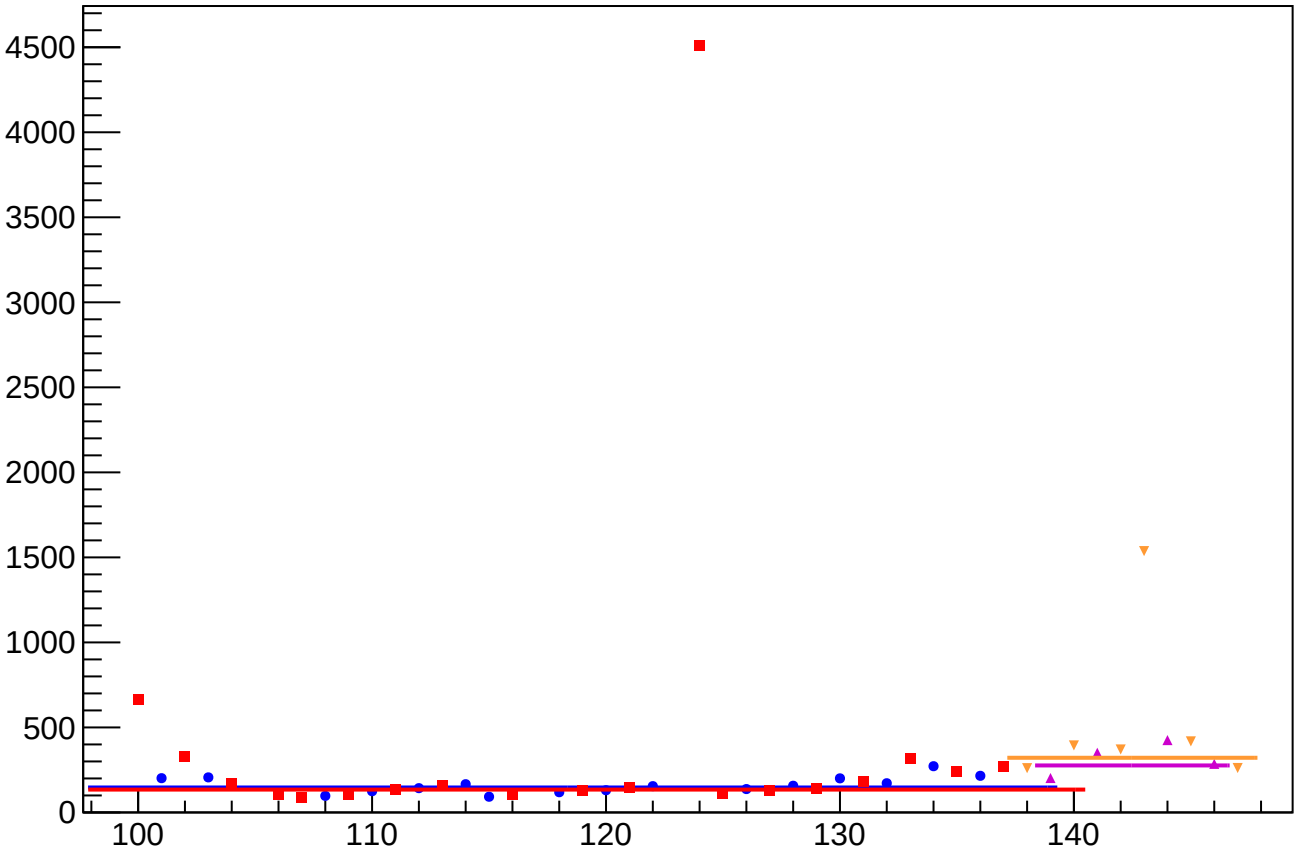
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

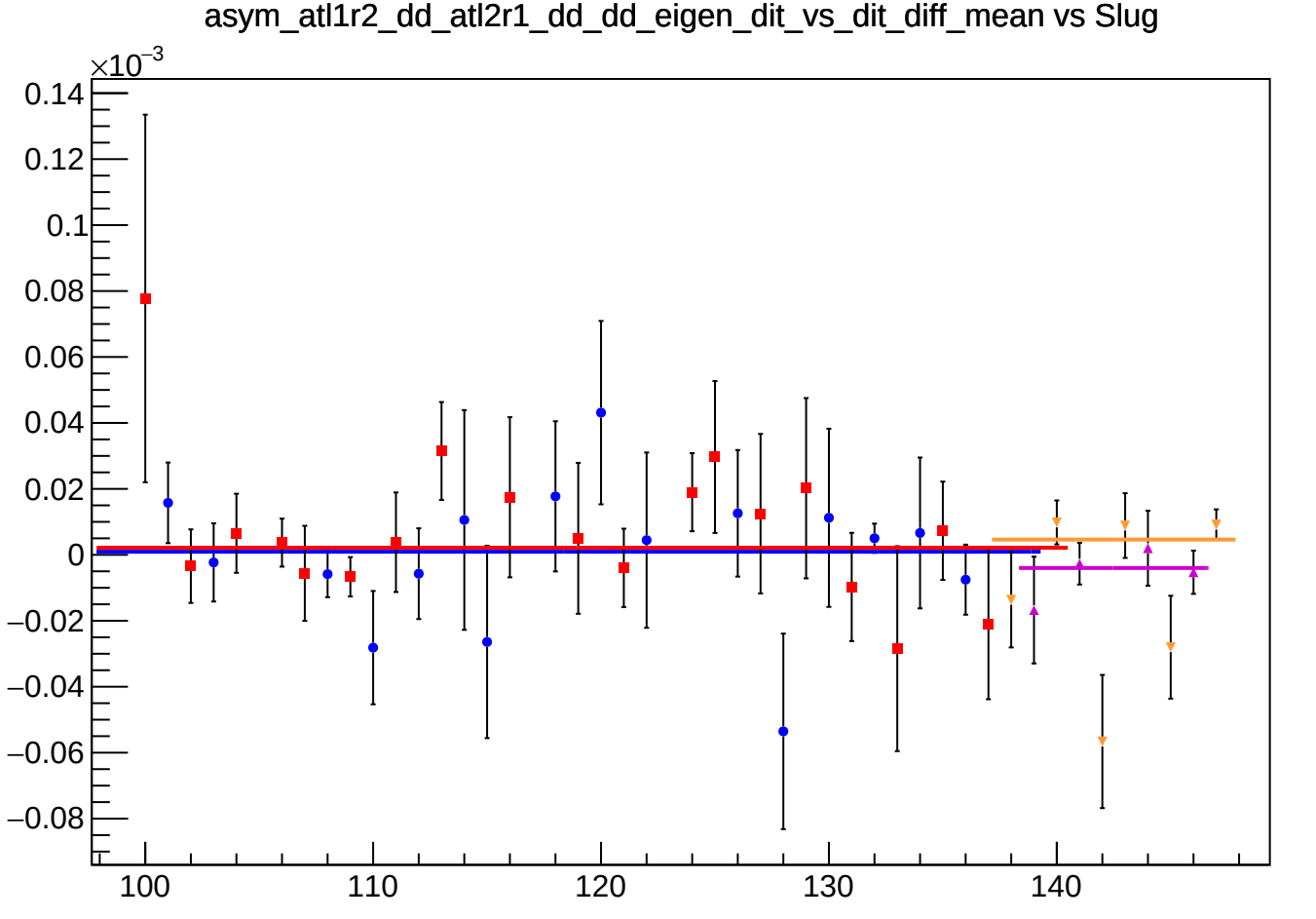
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

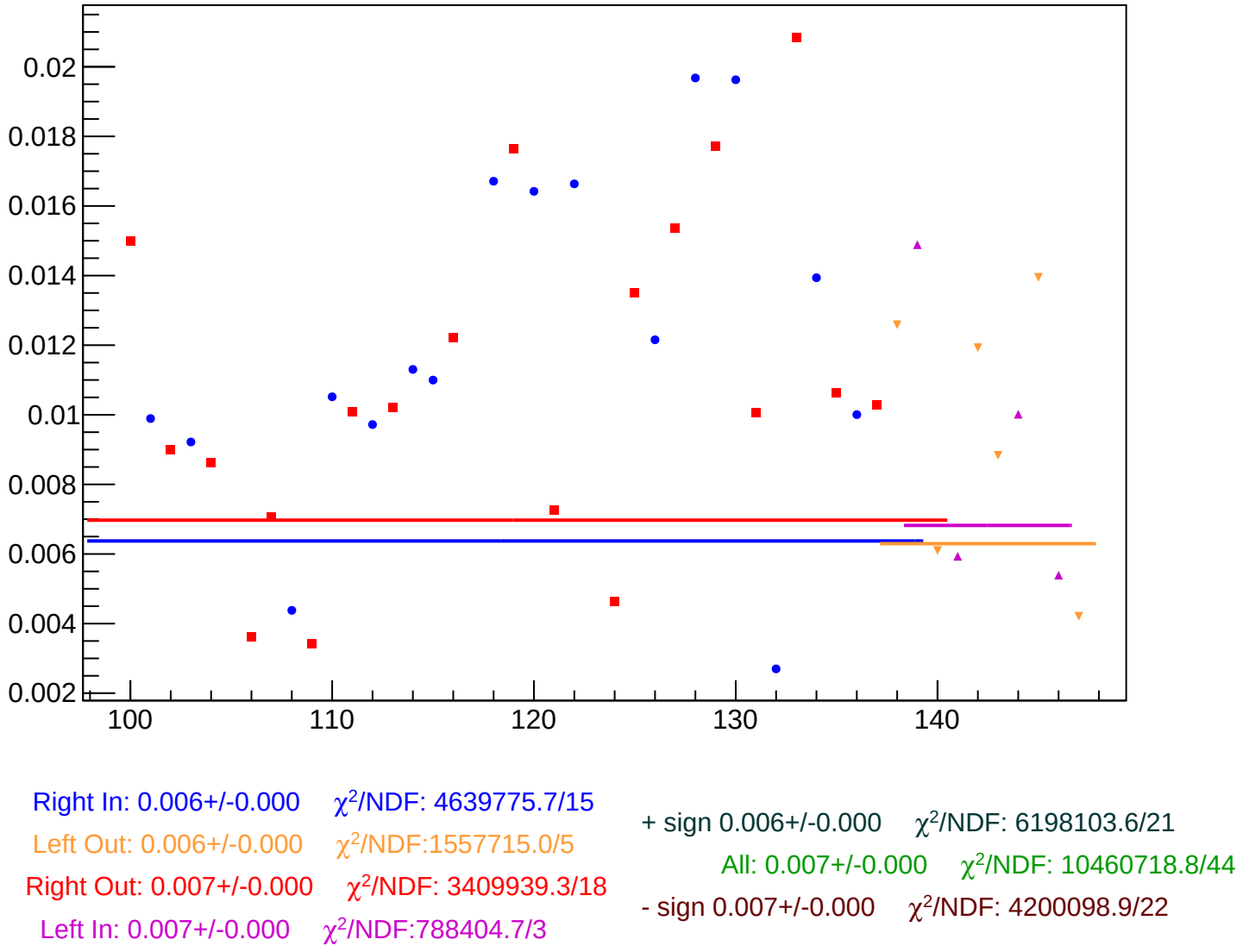
Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

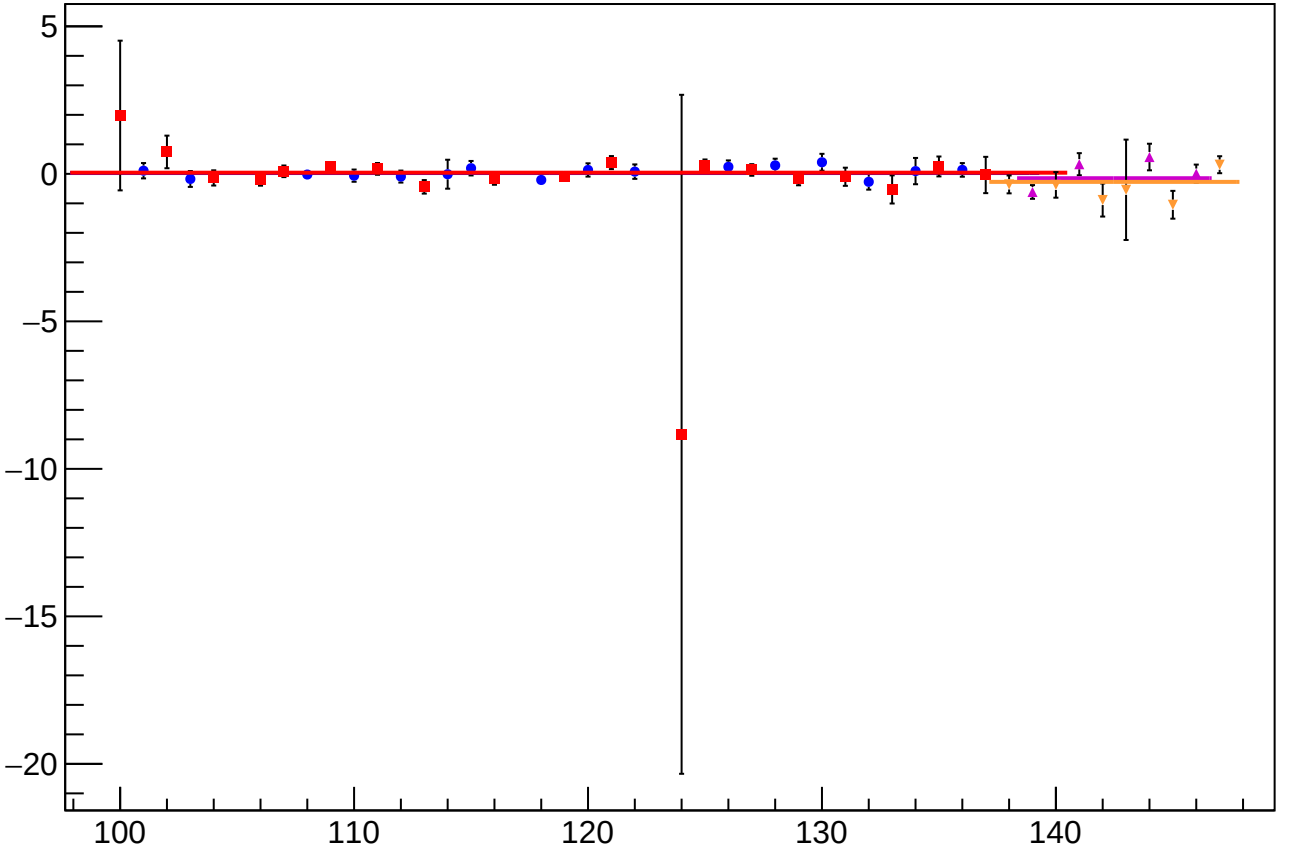
All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22


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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:1.0/3
+ sign 0.000+/-0.000 χ²/NDF: 32.5/21
All: 0.000+/-0.000 χ²/NDF: 51.6/44
- sign -0.000+/-0.000 χ²/NDF: 18.5/22


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:1557715.0/5
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.007+/-0.000 χ²/NDF:788404.7/3
+ sign 0.006+/-0.000 χ²/NDF: 6198103.6/21
All: 0.007+/-0.000 χ²/NDF: 10460718.8/44
- sign 0.007+/-0.000 χ²/NDF: 4200098.9/22

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

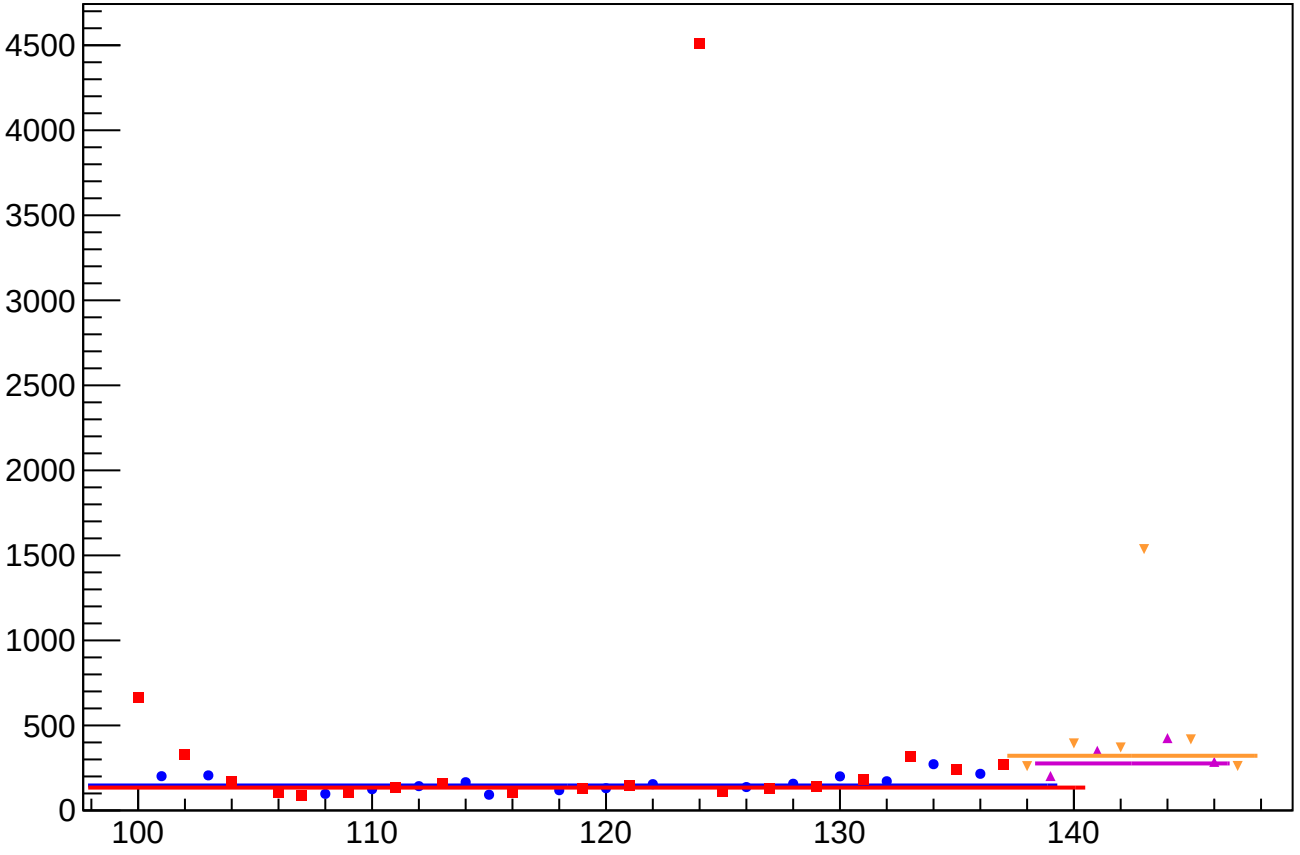
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

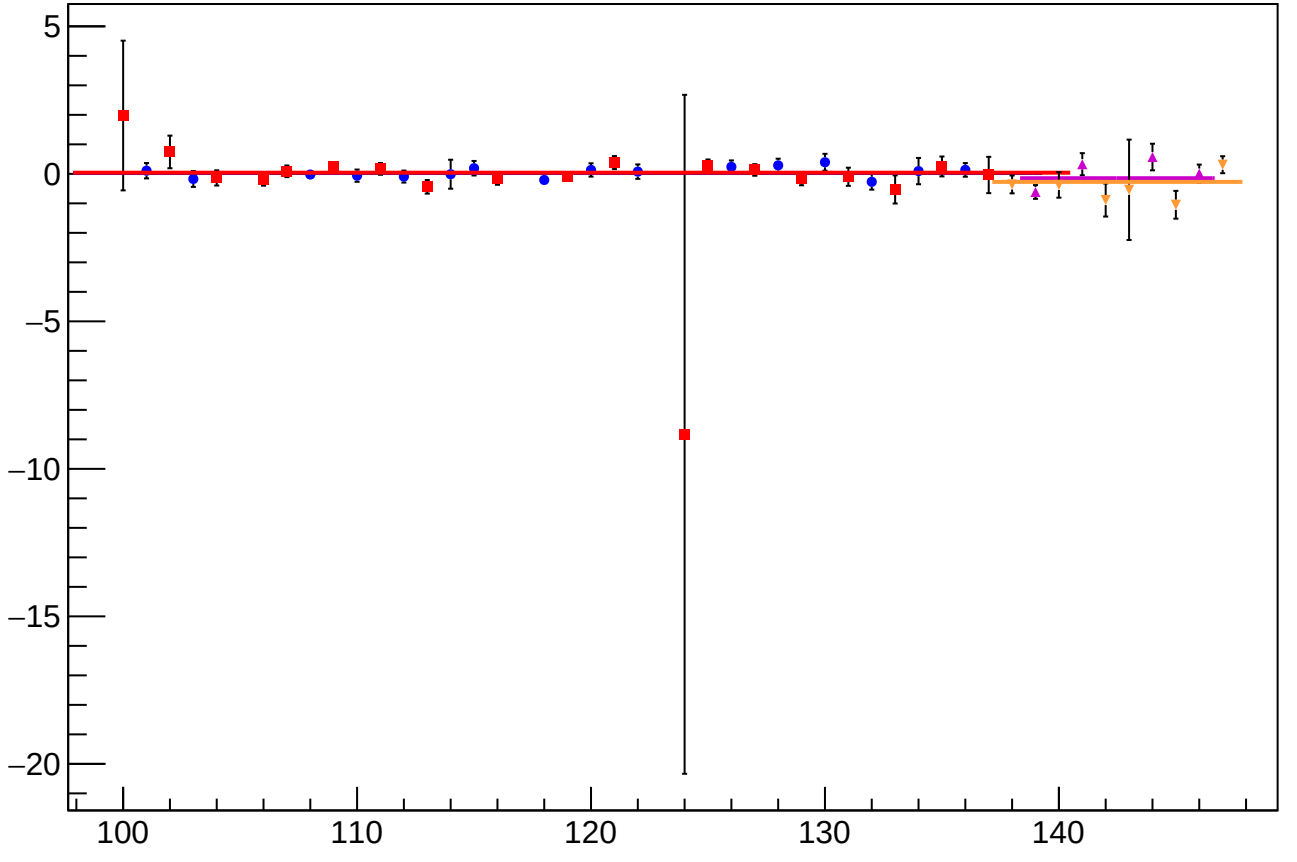
Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

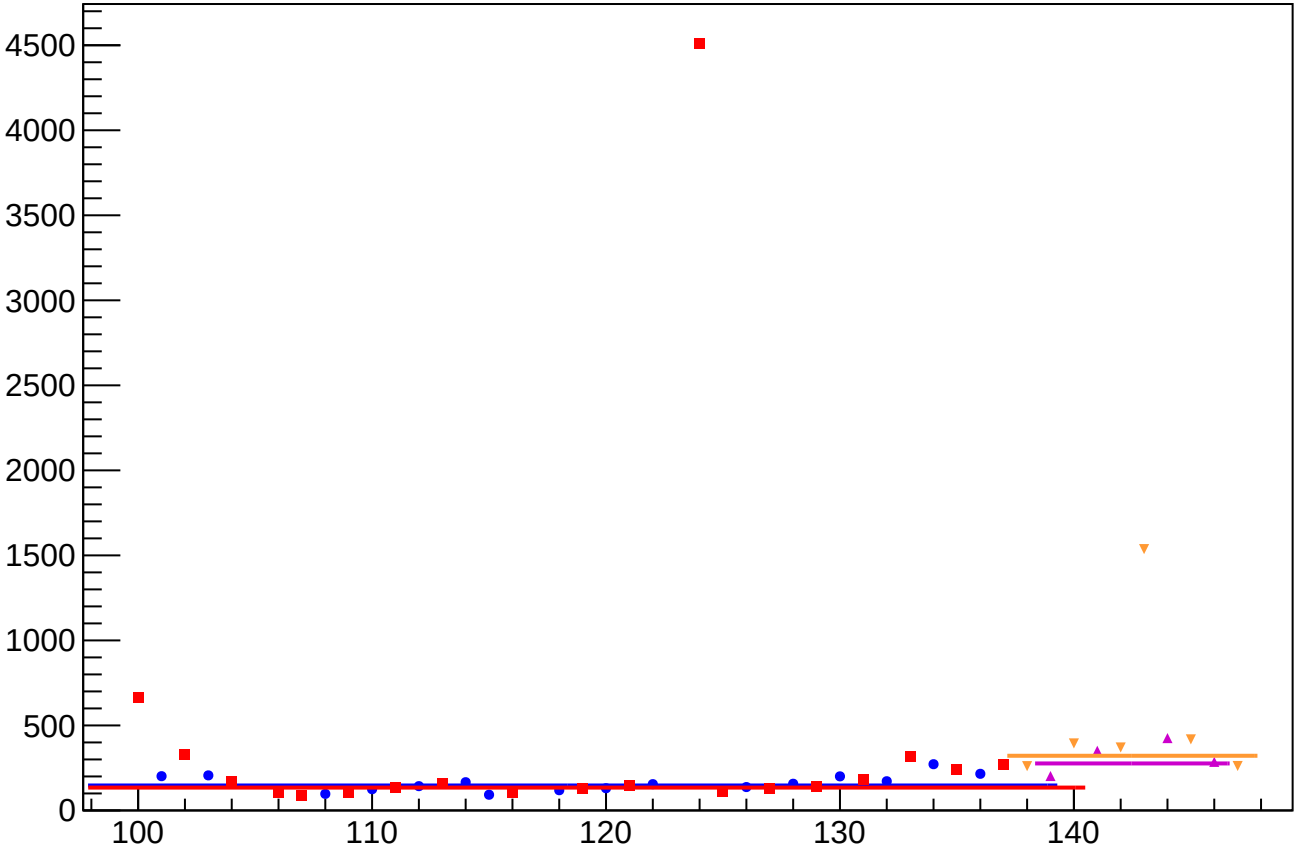
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.008+/-0.037 χ^2/NDF: 50.3/44

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

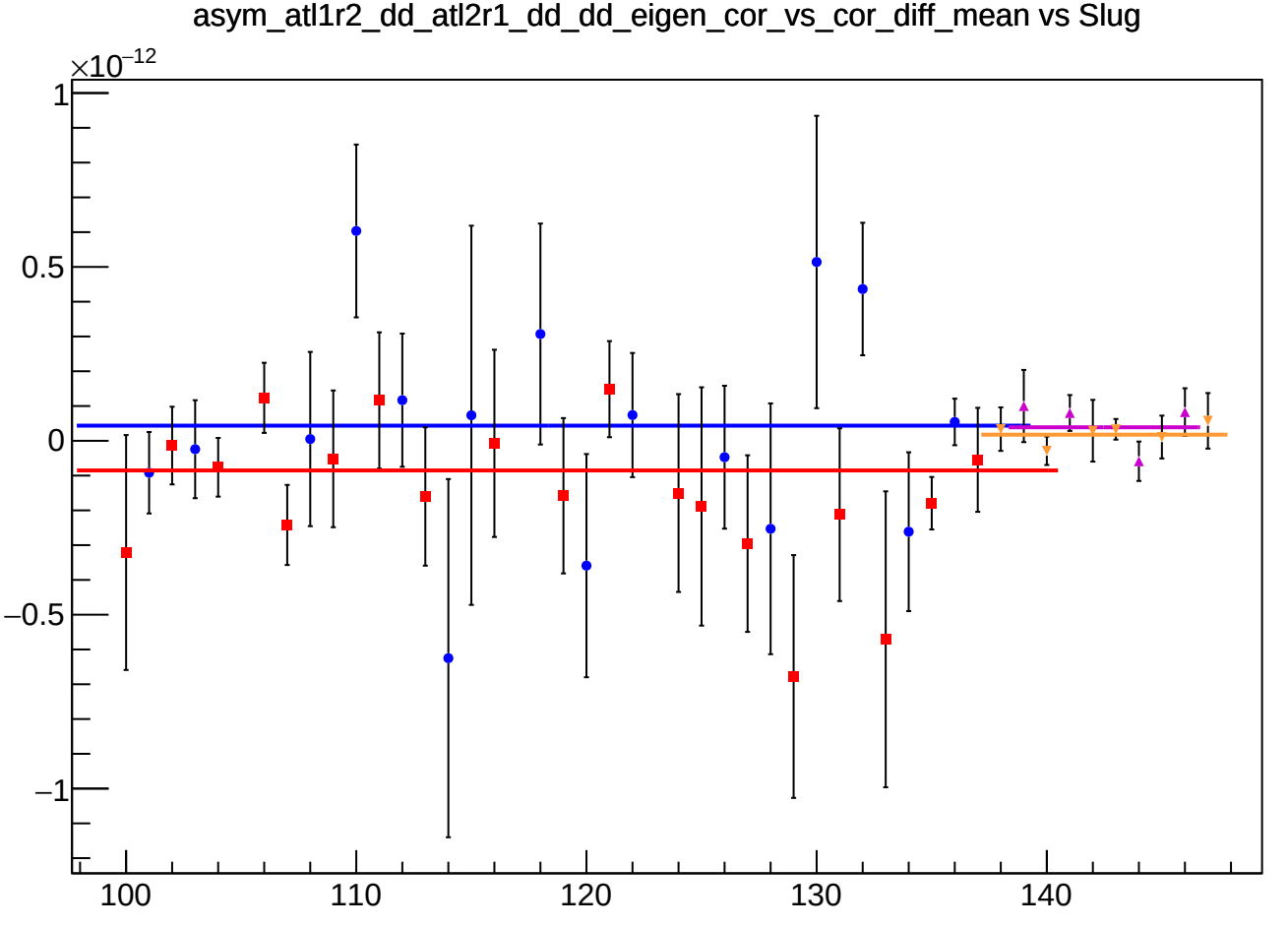
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

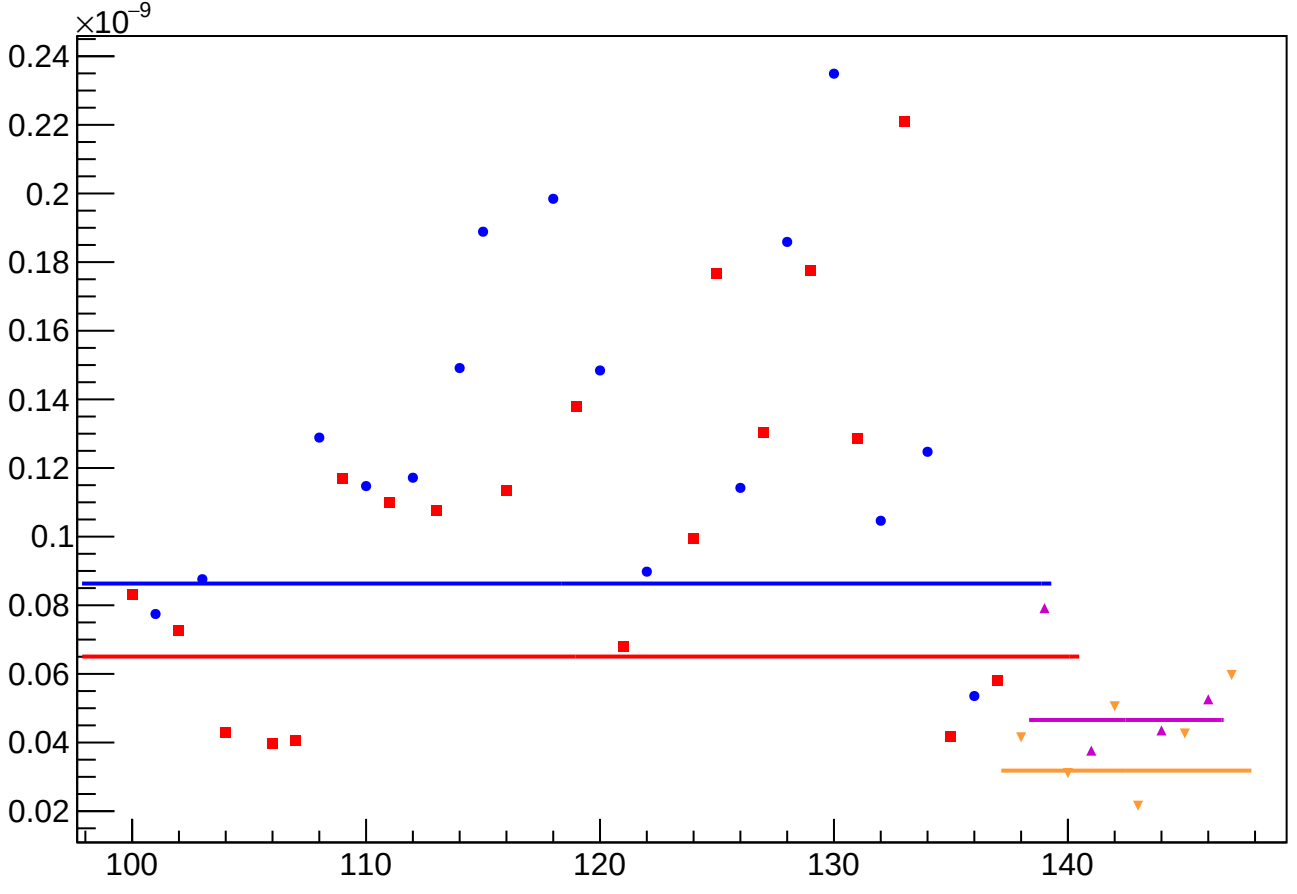
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/44

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

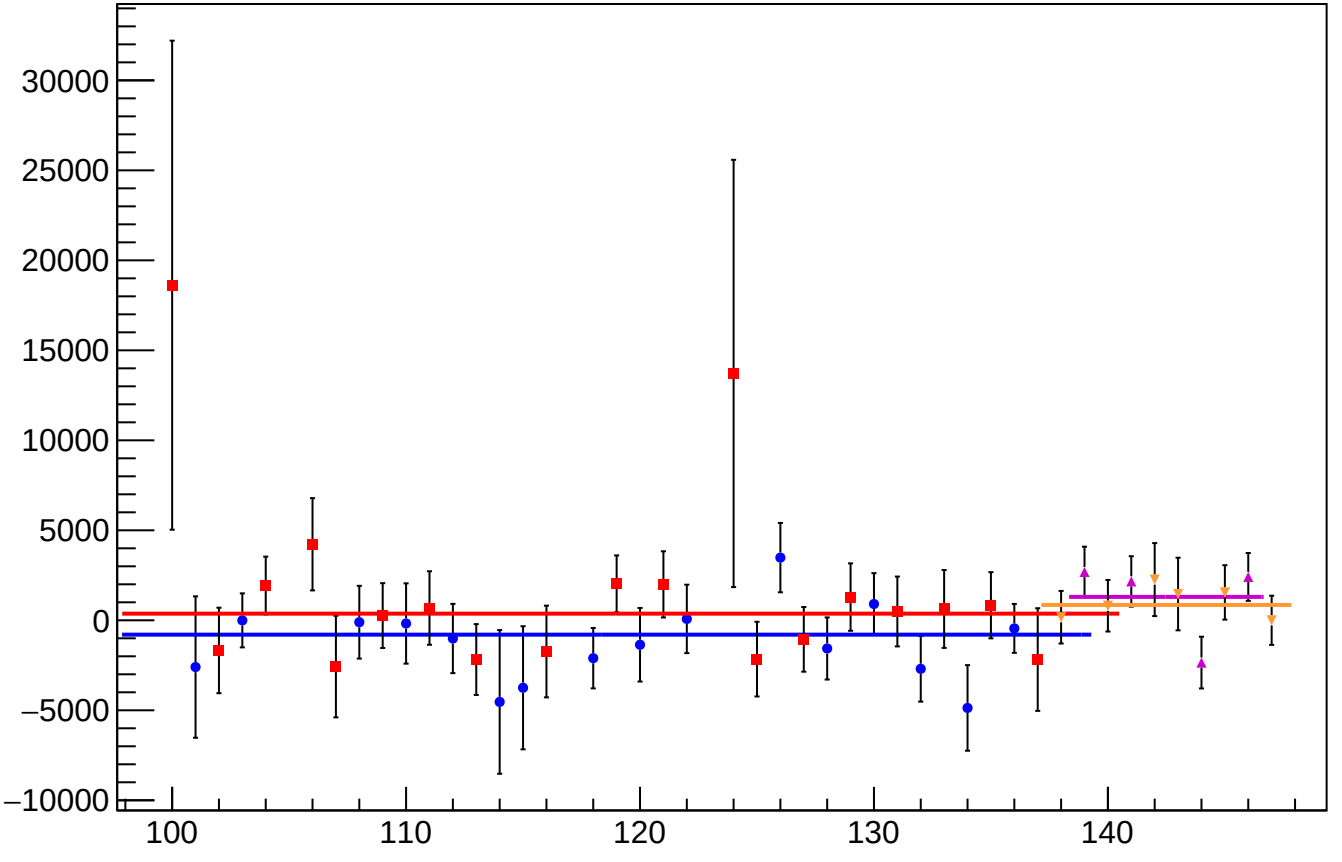
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4923748.1/21

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44

- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

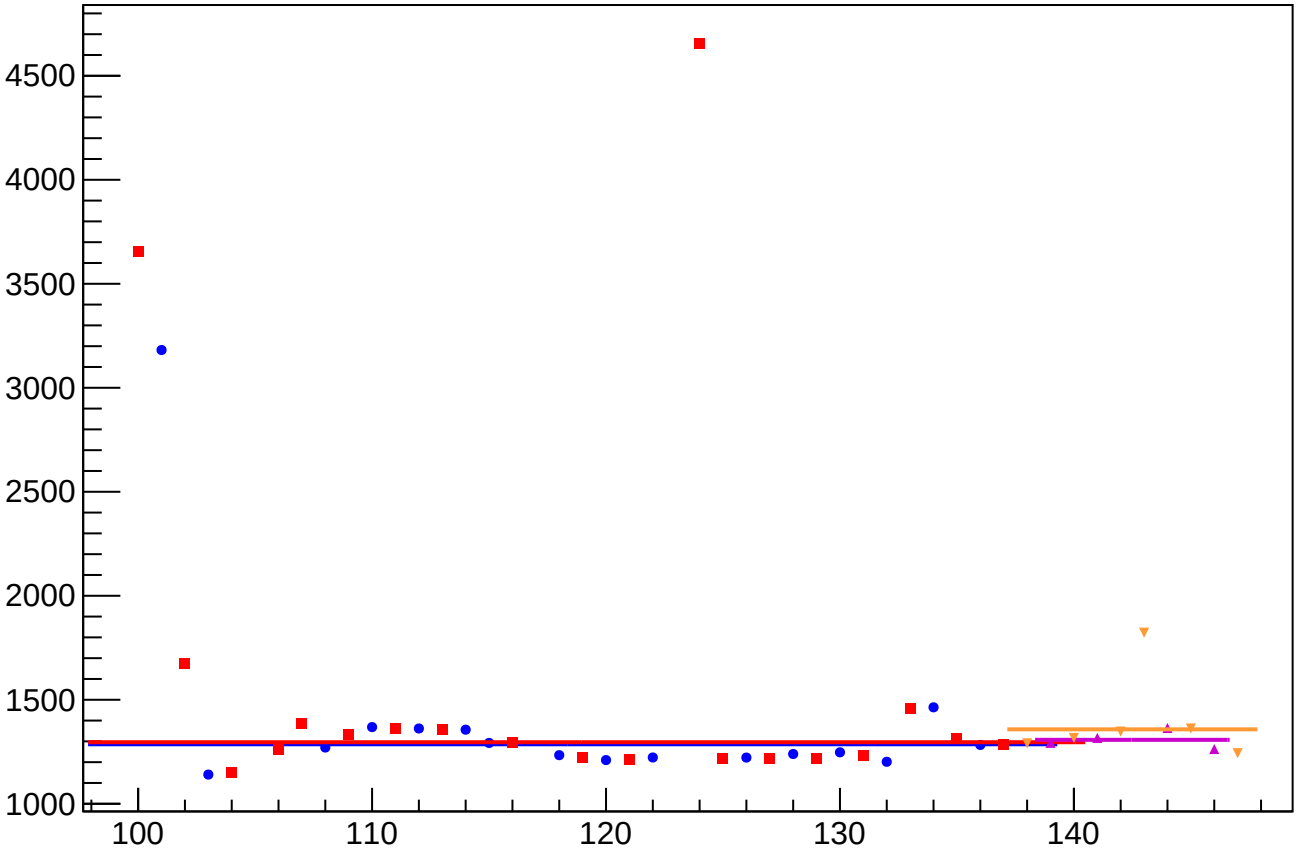
Left In: 1300.787+/-695.777 χ^2/NDF:8.5/3

+ sign -195.270+/-388.481 χ^2/NDF: 19.0/21

All: 229.009+/-278.115 χ^2/NDF: 46.7/44

- sign 675.077+/-398.331 χ^2/NDF: 25.3/22

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

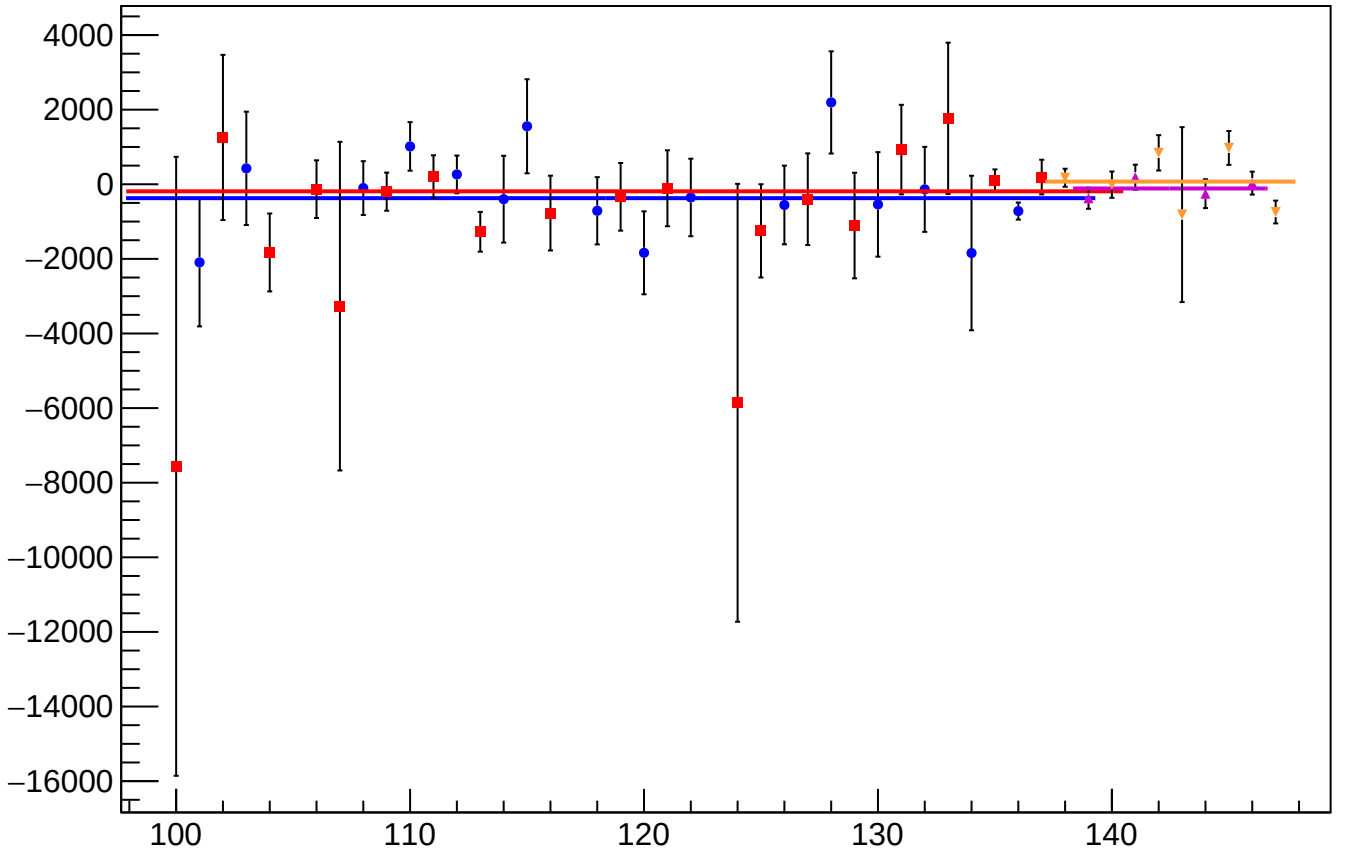
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660157.4/21

All: 1306.142+/-0.197 χ^2/NDF: 995248.4/44

- sign 1299.699+/-0.282 χ^2/NDF: 334070.0/22



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 71.773+/-148.385 χ^2/NDF:14.1/5

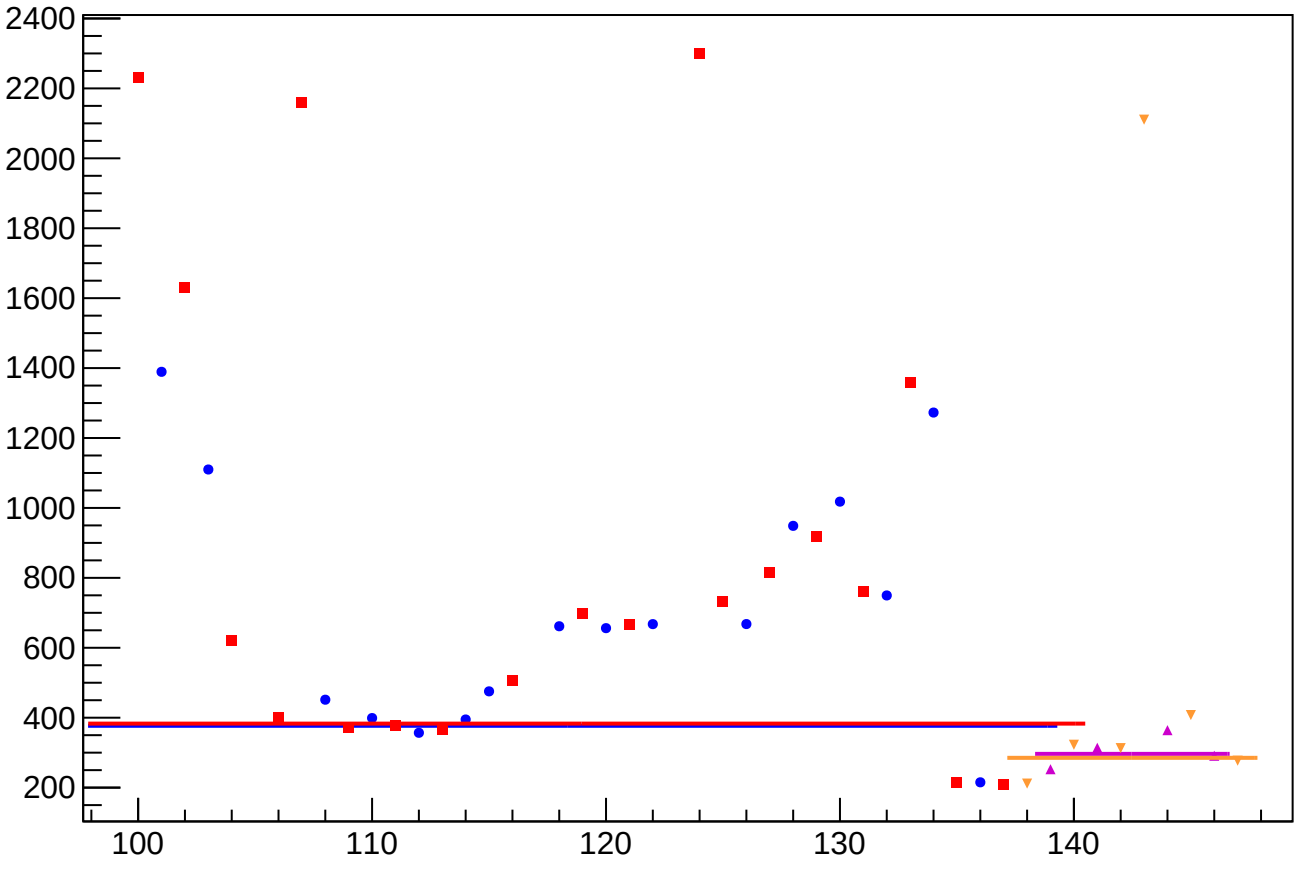
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -112.952+/-160.733 χ^2/NDF:2.0/3

+ sign -122.584+/-111.275 χ^2/NDF: 36.2/21

All: -135.129+/-80.518 χ^2/NDF: 53.0/44

- sign -148.916+/-116.656 χ^2/NDF: 16.8/22



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 285.205+/-0.105 χ^2/NDF:1575201.5/5

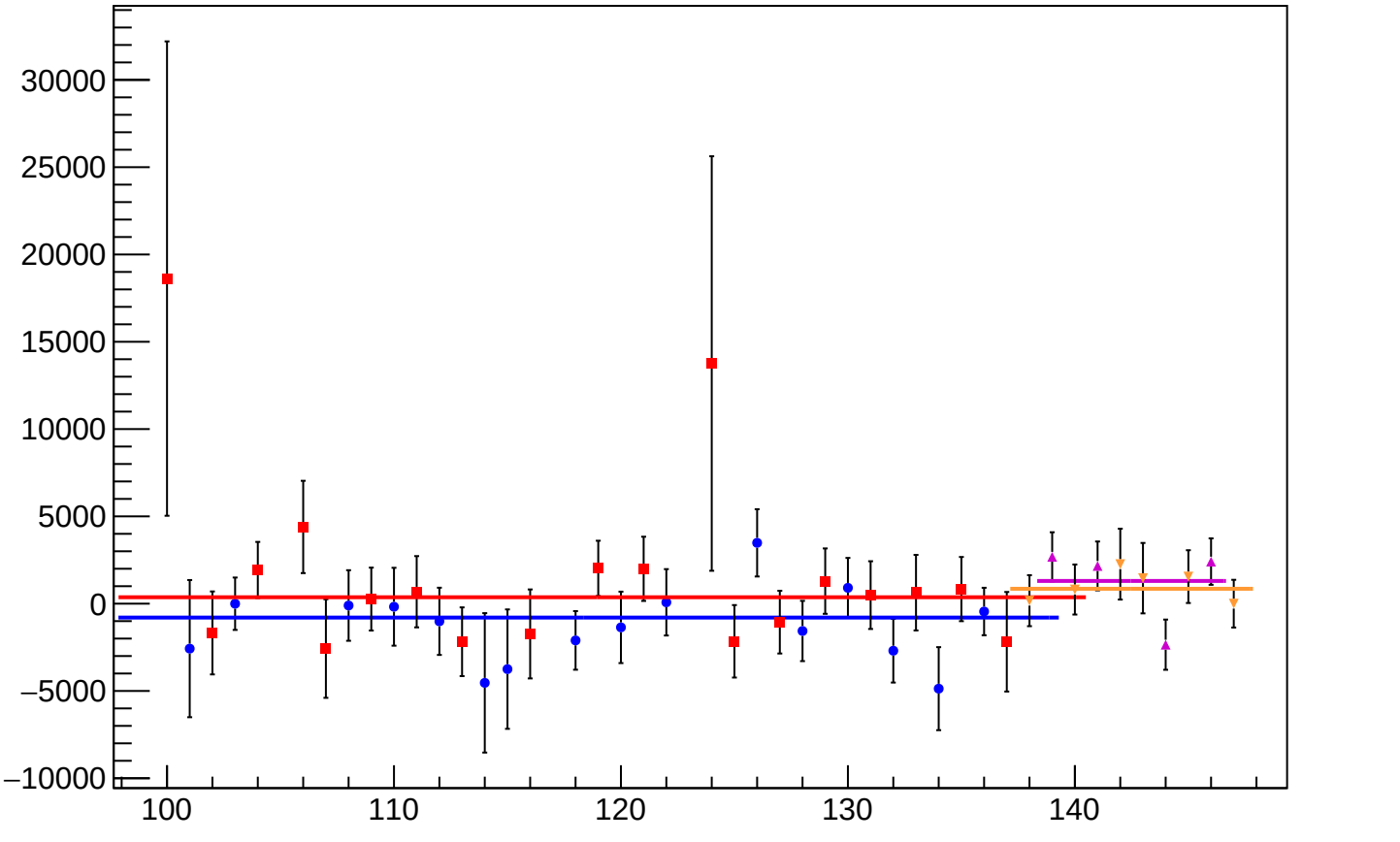
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

+ sign 325.332+/-0.079 χ^2/NDF: 6099584.5/21

All: 331.123+/-0.057 χ^2/NDF: 10555220.3/44

- sign 337.489+/-0.082 χ^2/NDF: 4444262.7/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

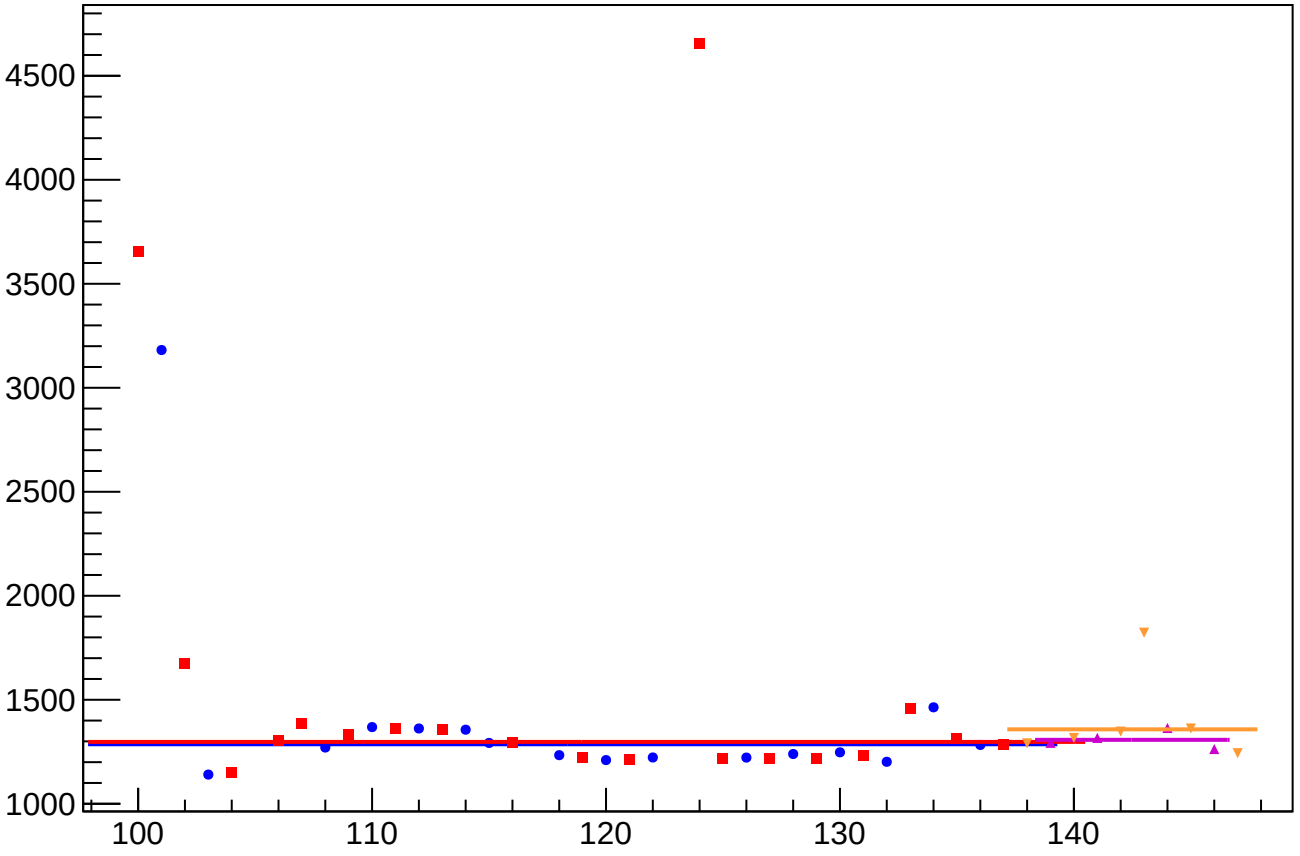
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 228.233+/-278.213 χ^2/NDF: 46.8/44

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

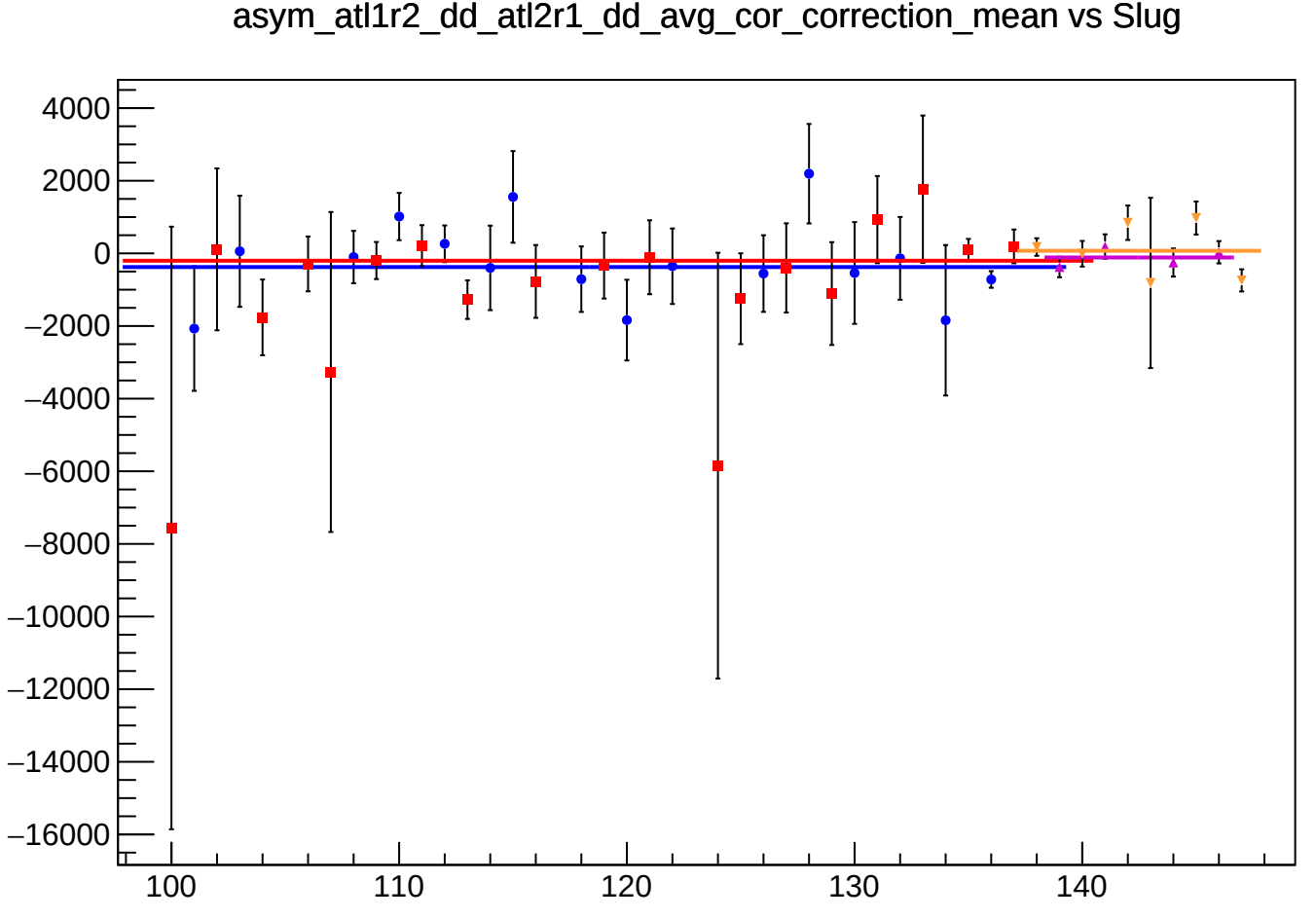
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

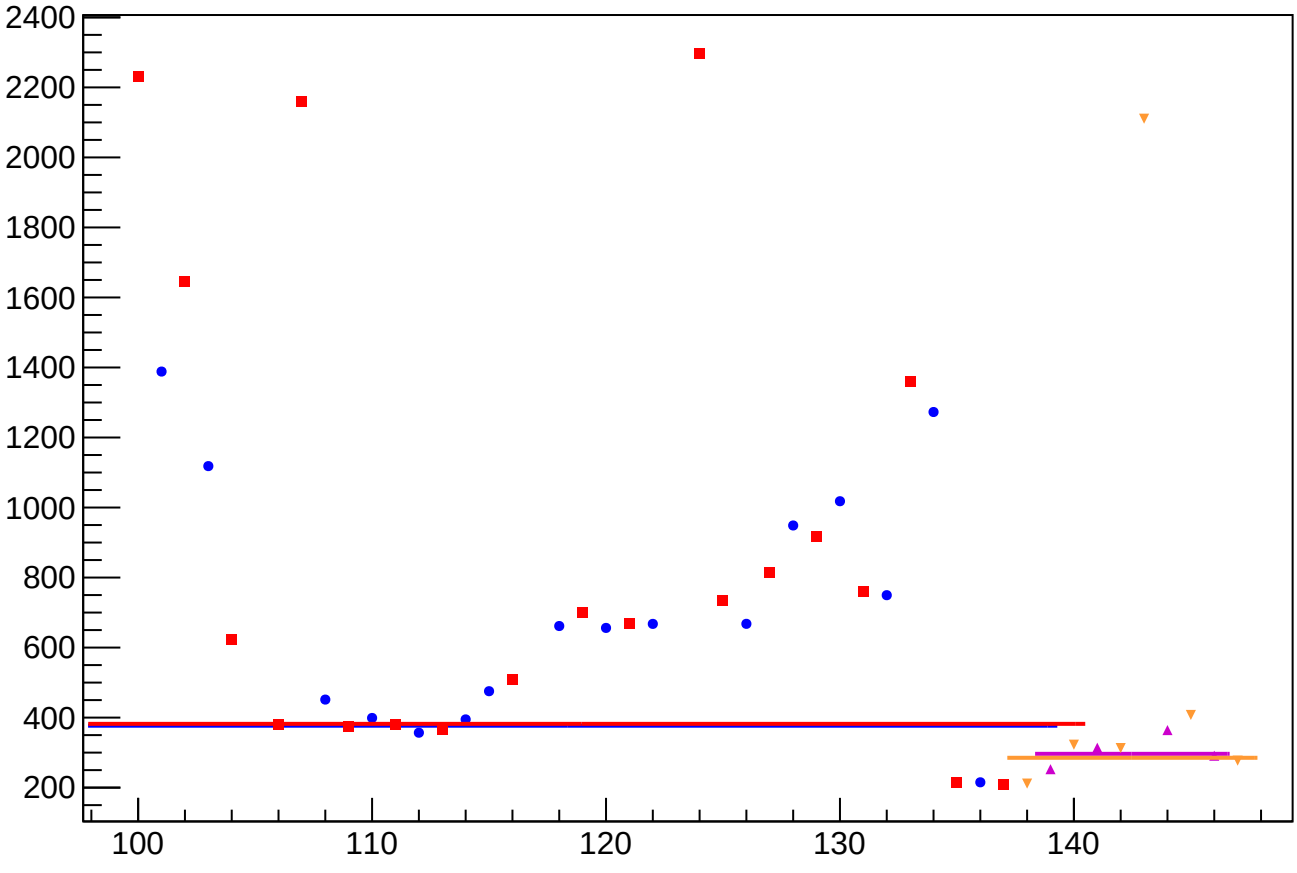
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -139.146+/-80.500 χ^2/NDF: 52.3/44

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

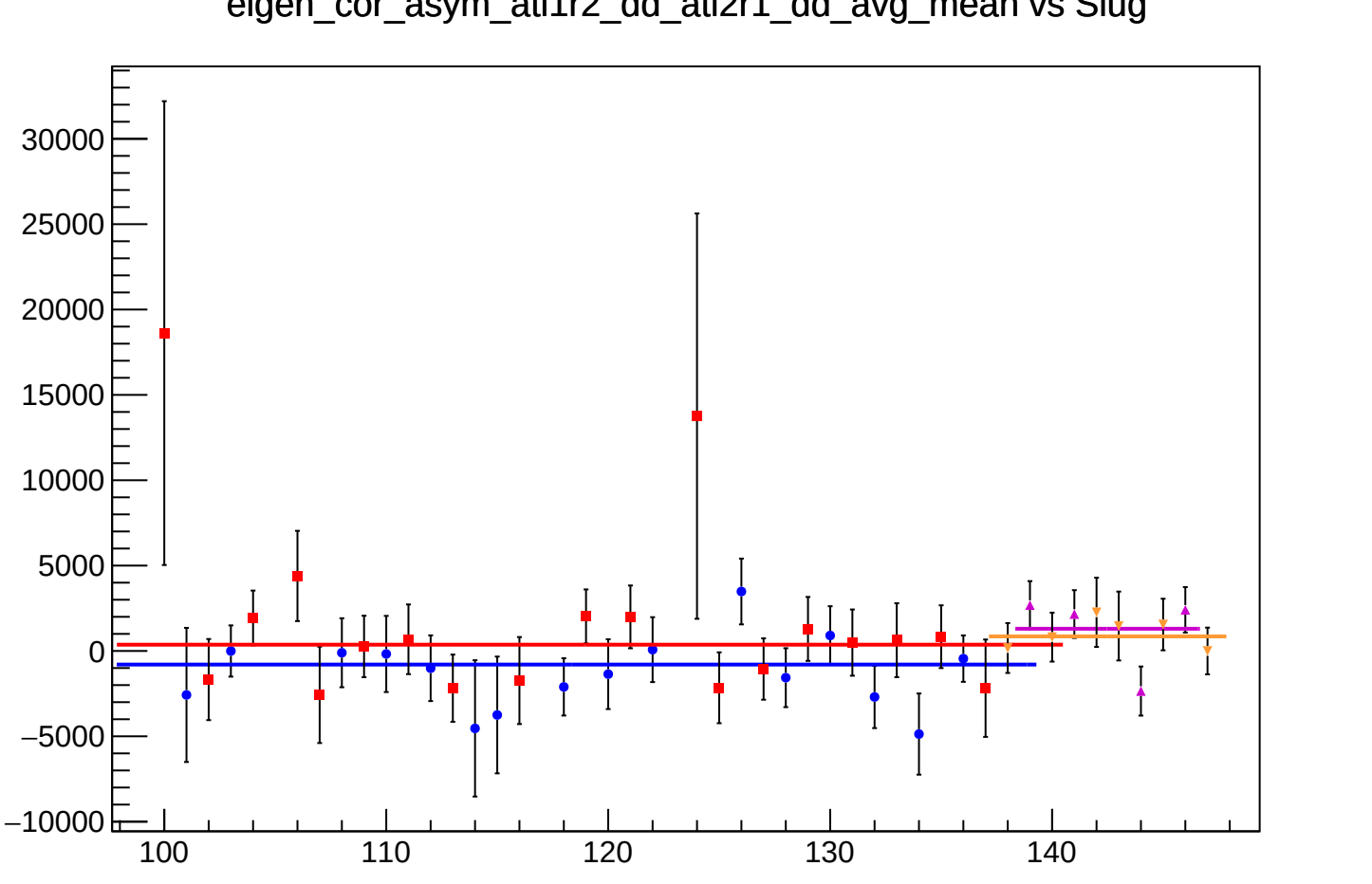
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

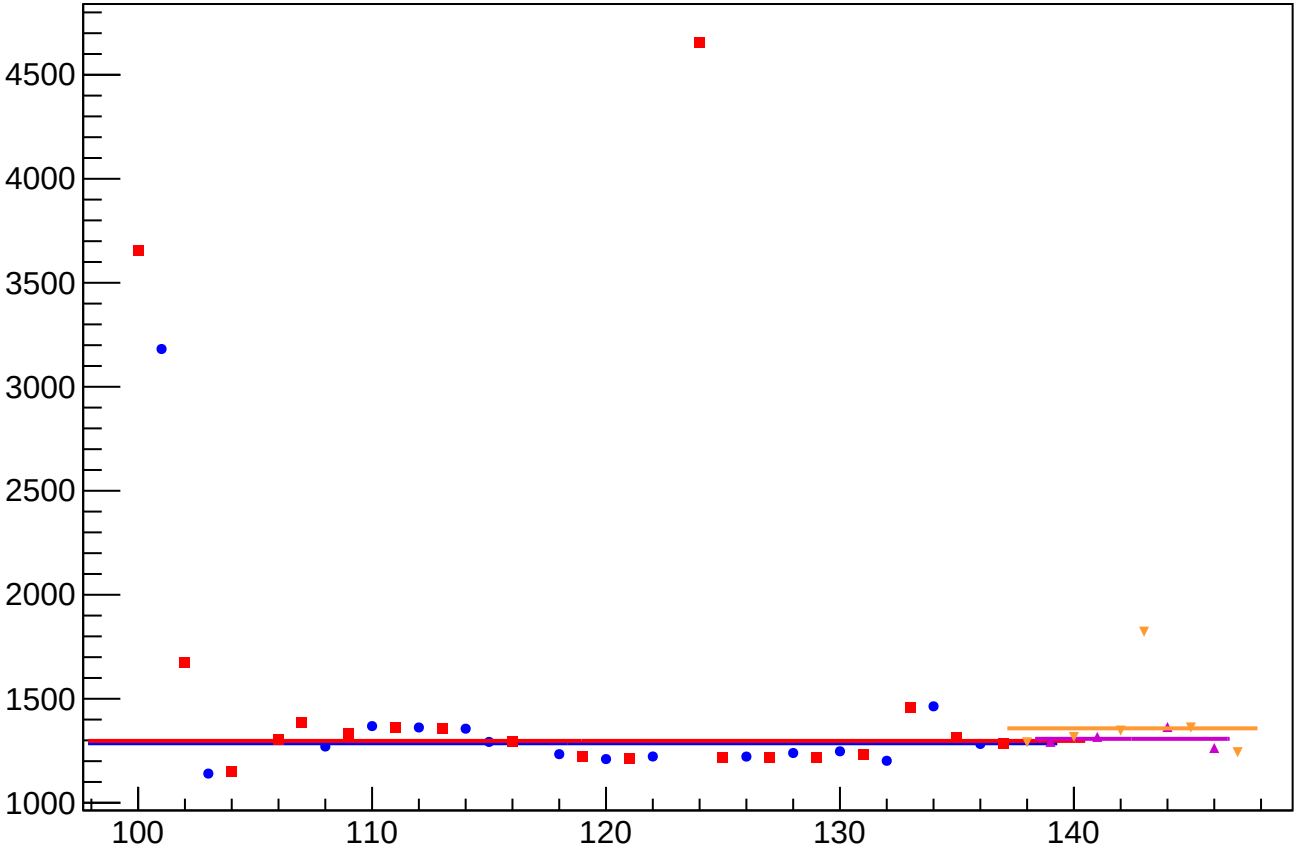
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 228.233+/-278.213 χ^2/NDF: 46.8/44

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

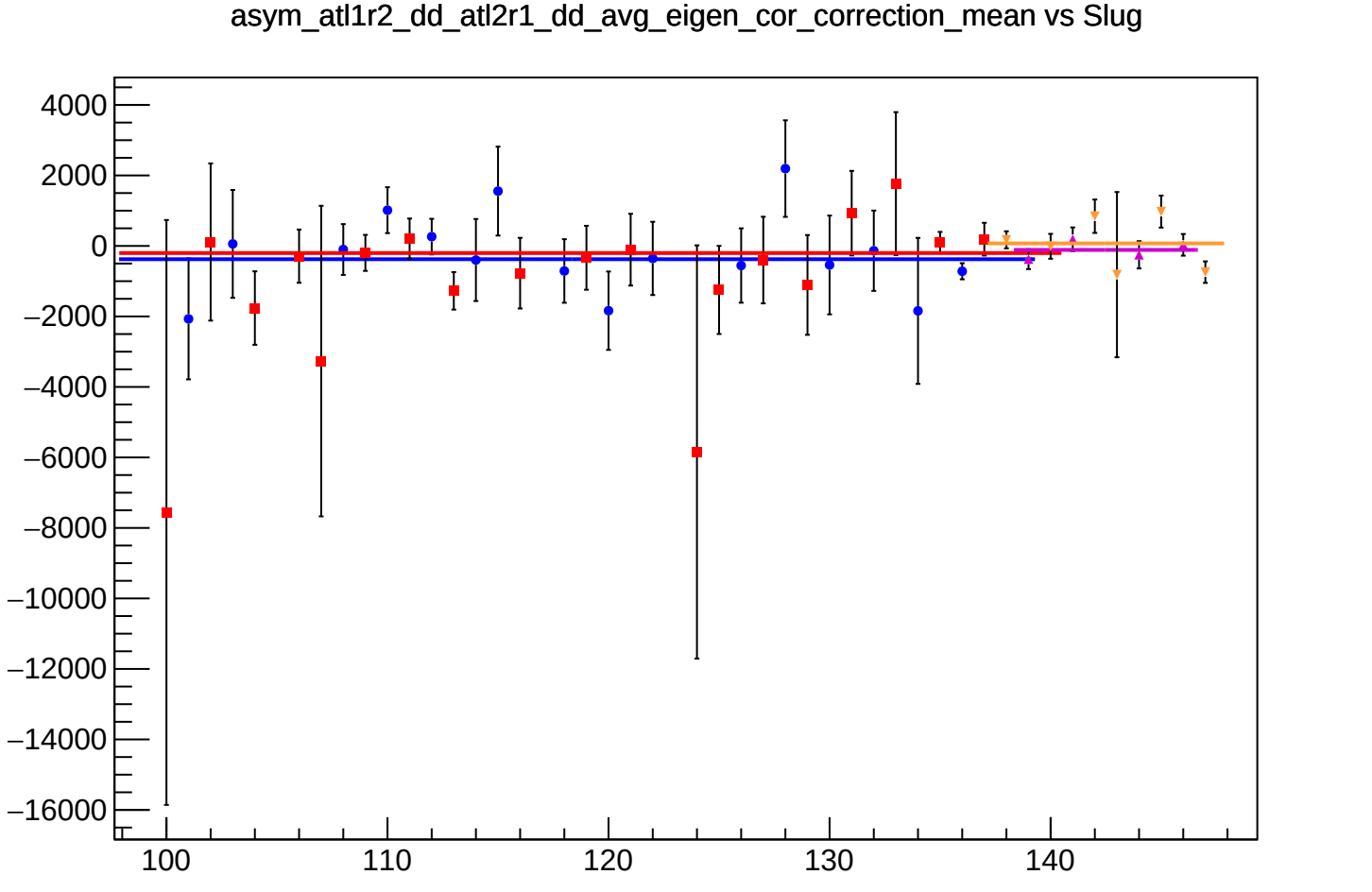
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

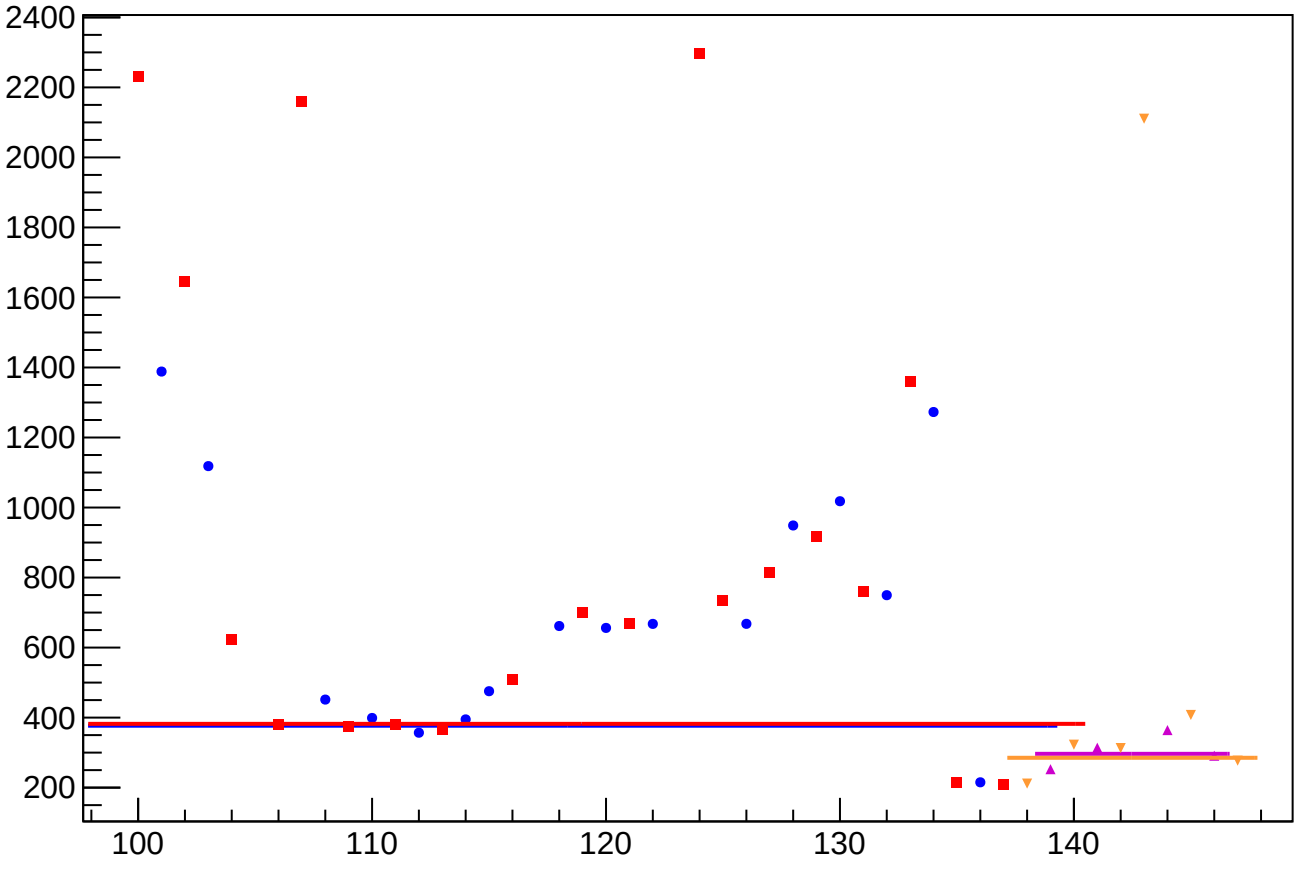
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -139.146+/-80.500 χ^2/NDF: 52.3/44

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

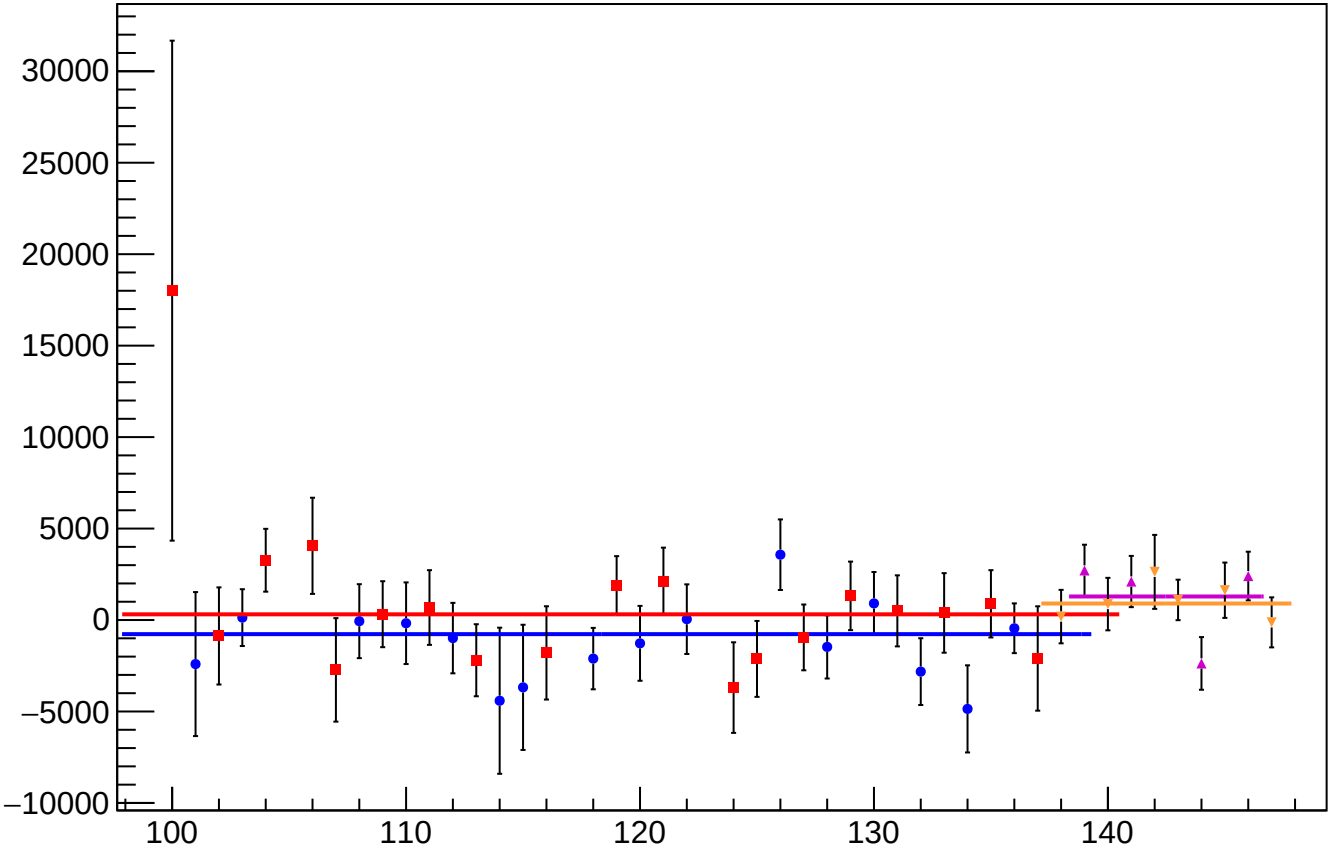
Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.435+/-578.635 χ^2/NDF:1.8/5

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

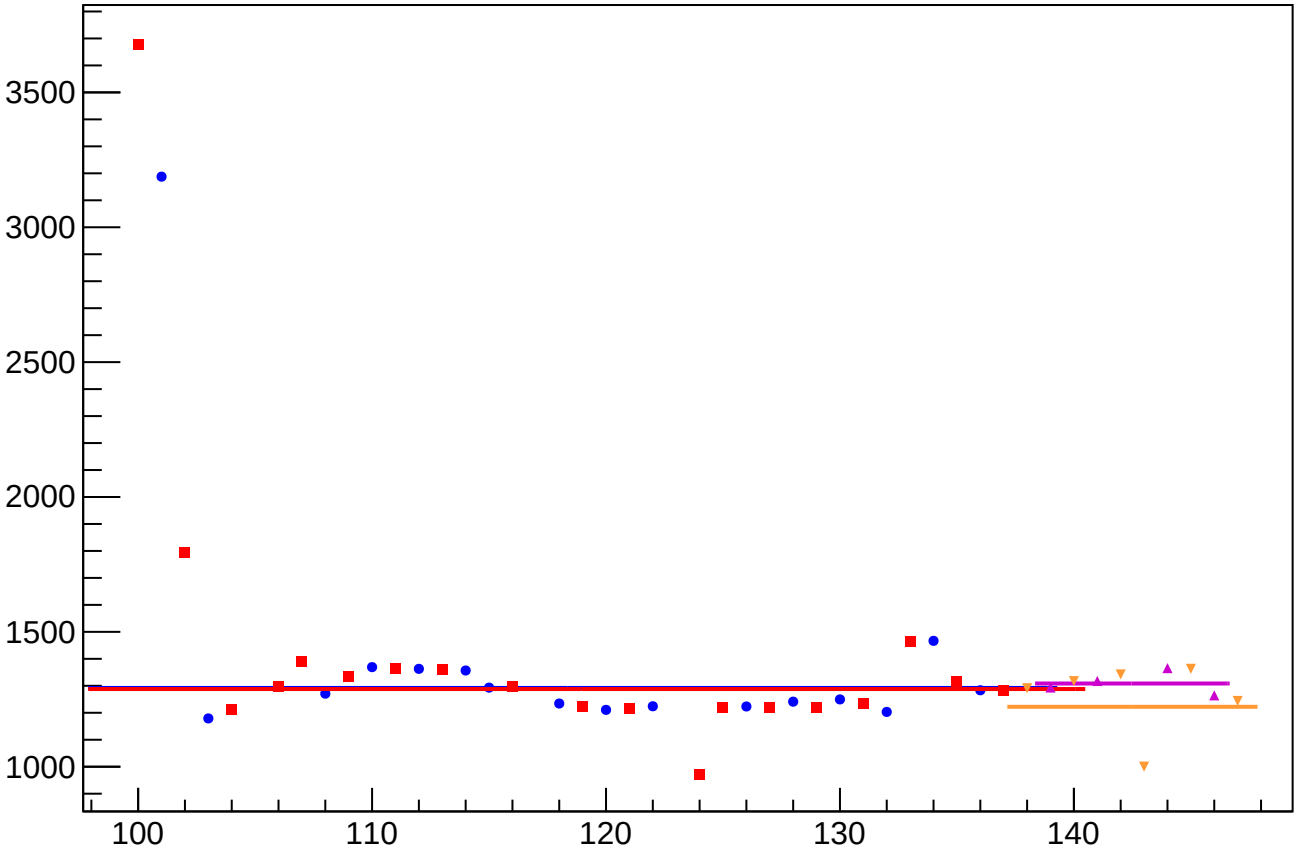
Left In: 1287.022+/-696.377 χ^2/NDF:8.5/3

+ sign -73.085+/-373.760 χ^2/NDF: 20.3/21

All: 256.612+/-272.031 χ^2/NDF: 49.7/44

- sign 627.988+/-396.682 χ^2/NDF: 27.8/22

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

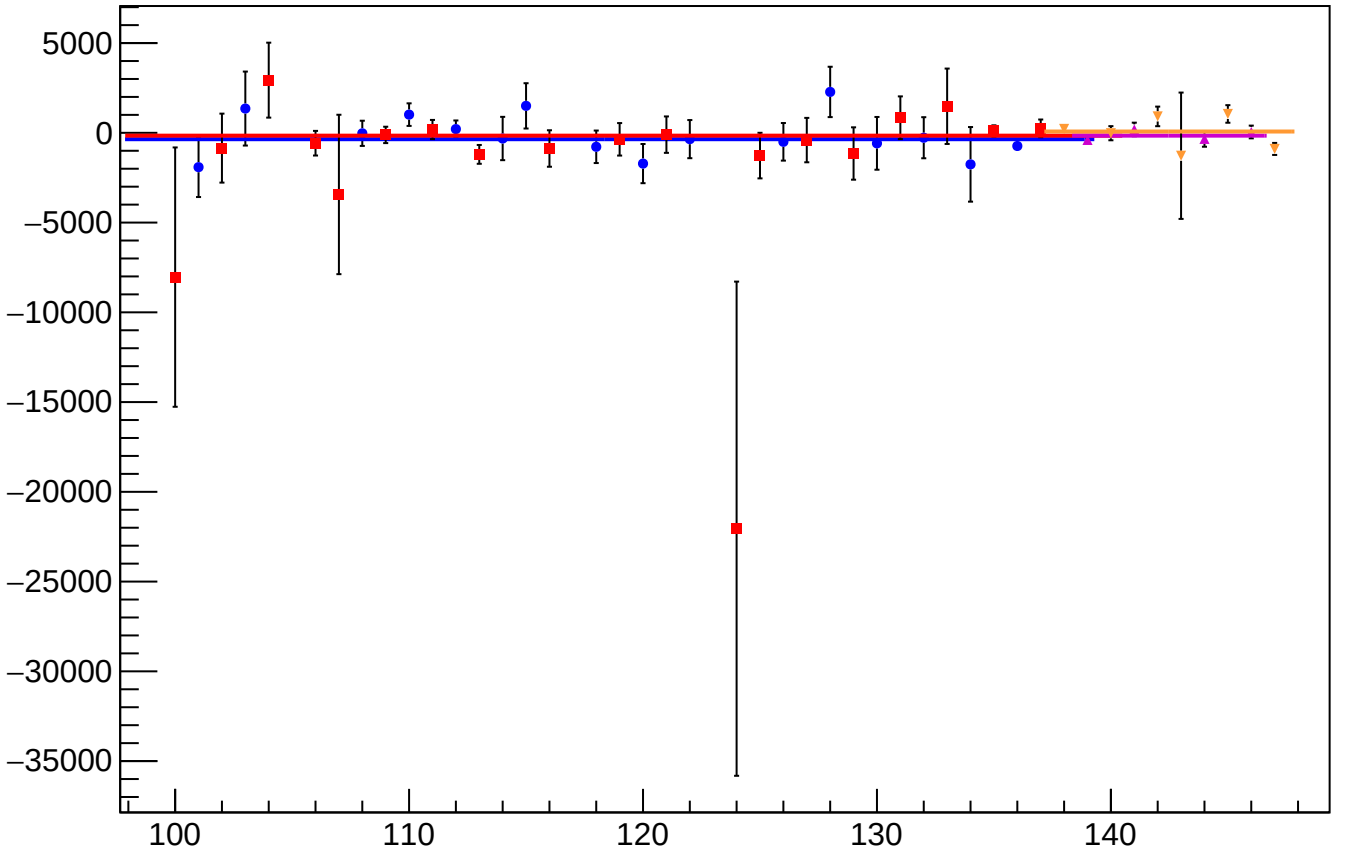
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1262.857+/-0.264 χ^2/NDF: 644812.4/21

All: 1277.809+/-0.192 χ^2/NDF: 867638.1/44

- sign 1294.651+/-0.280 χ^2/NDF: 216019.9/22



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

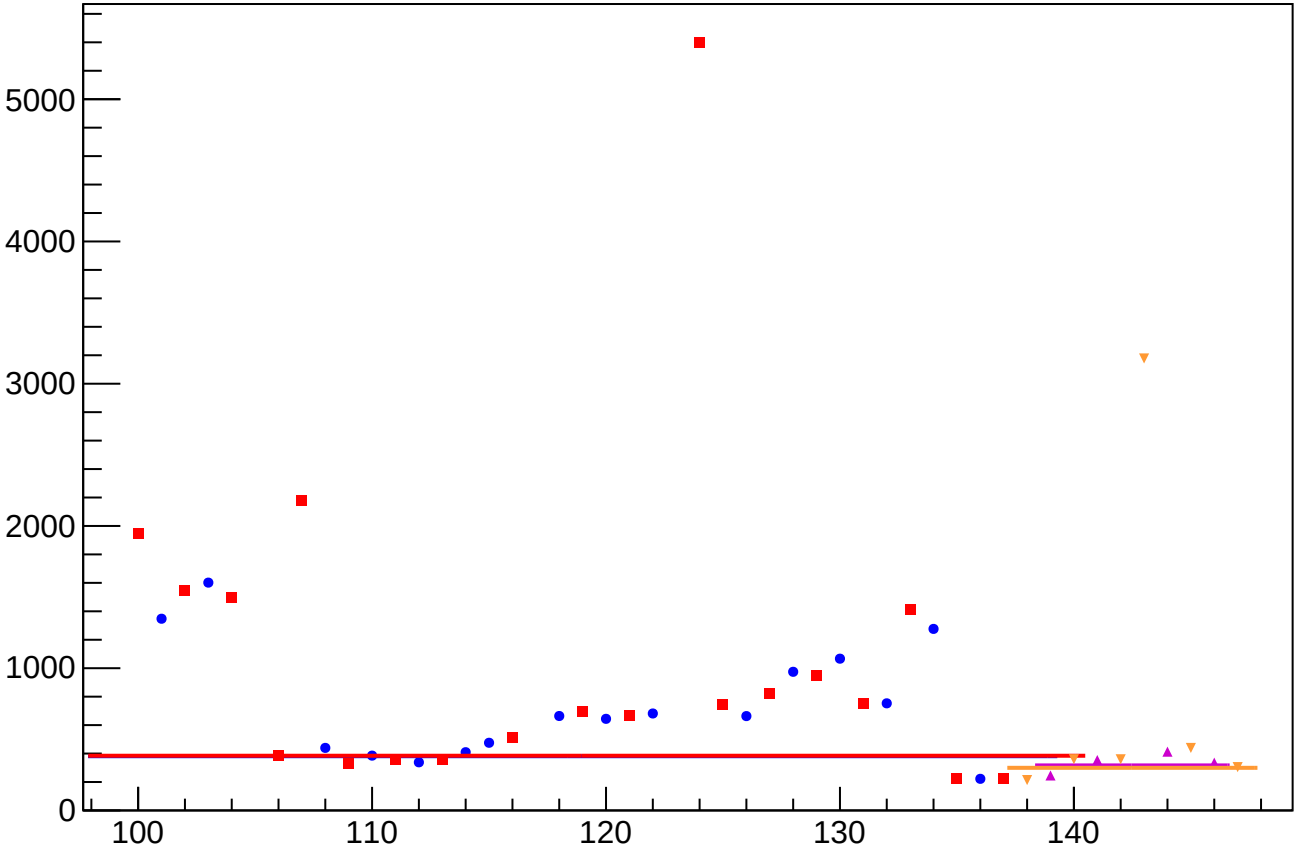
Left In: -156.827+/-173.571 χ^2/NDF:2.1/3

\+ sign -126.191+/-115.900 χ^2/NDF: 37.2/21

All: -141.076+/-83.807 χ^2/NDF: 55.1/44

\- sign -157.388+/-121.328 χ^2/NDF: 17.9/22

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

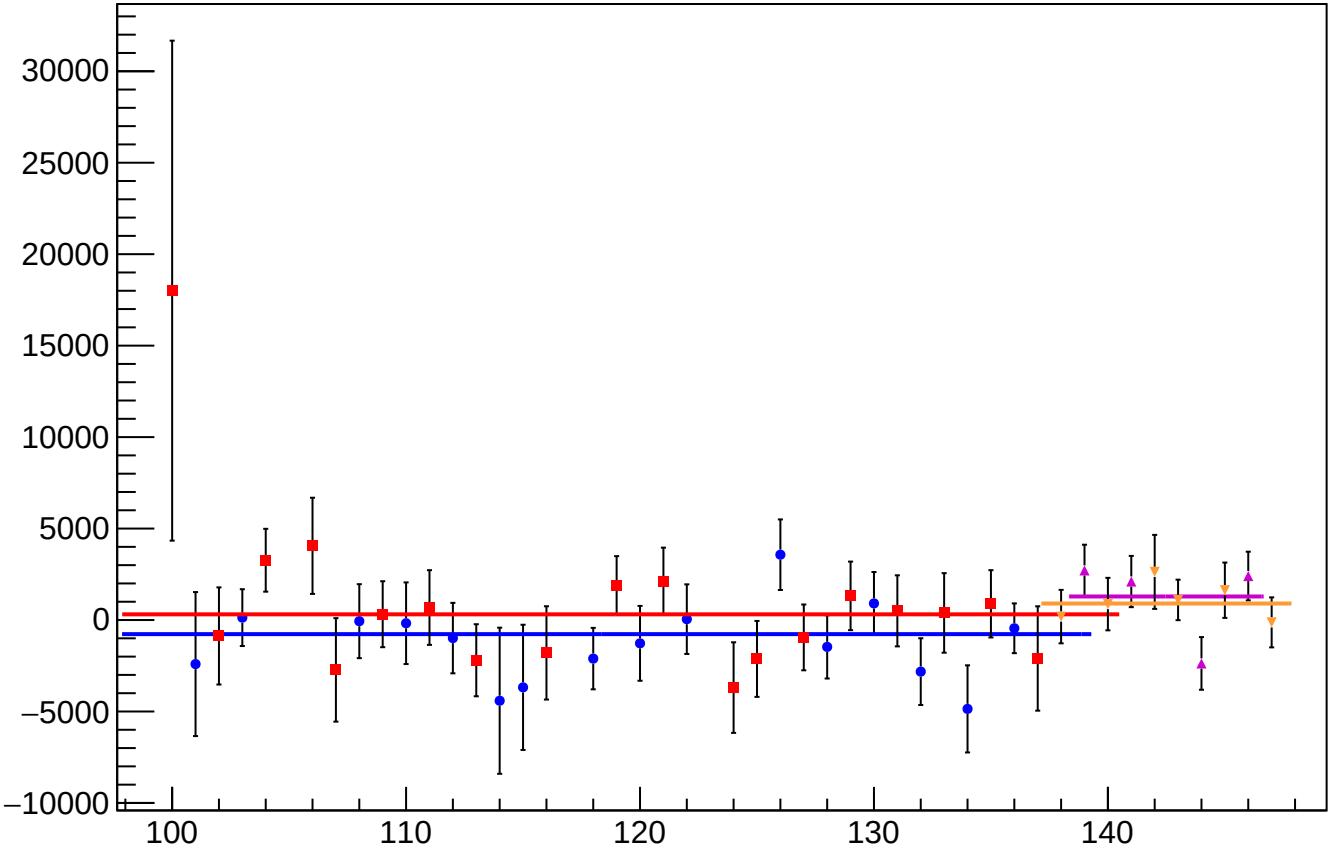
Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

+ sign 337.671+/-0.082 χ^2/NDF: 6386360.8/21

All: 344.225+/-0.059 χ^2/NDF: 11370616.6/44

- sign 351.407+/-0.086 χ^2/NDF: 4970852.5/22

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.436+/-578.636 χ^2/NDF:1.8/5

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

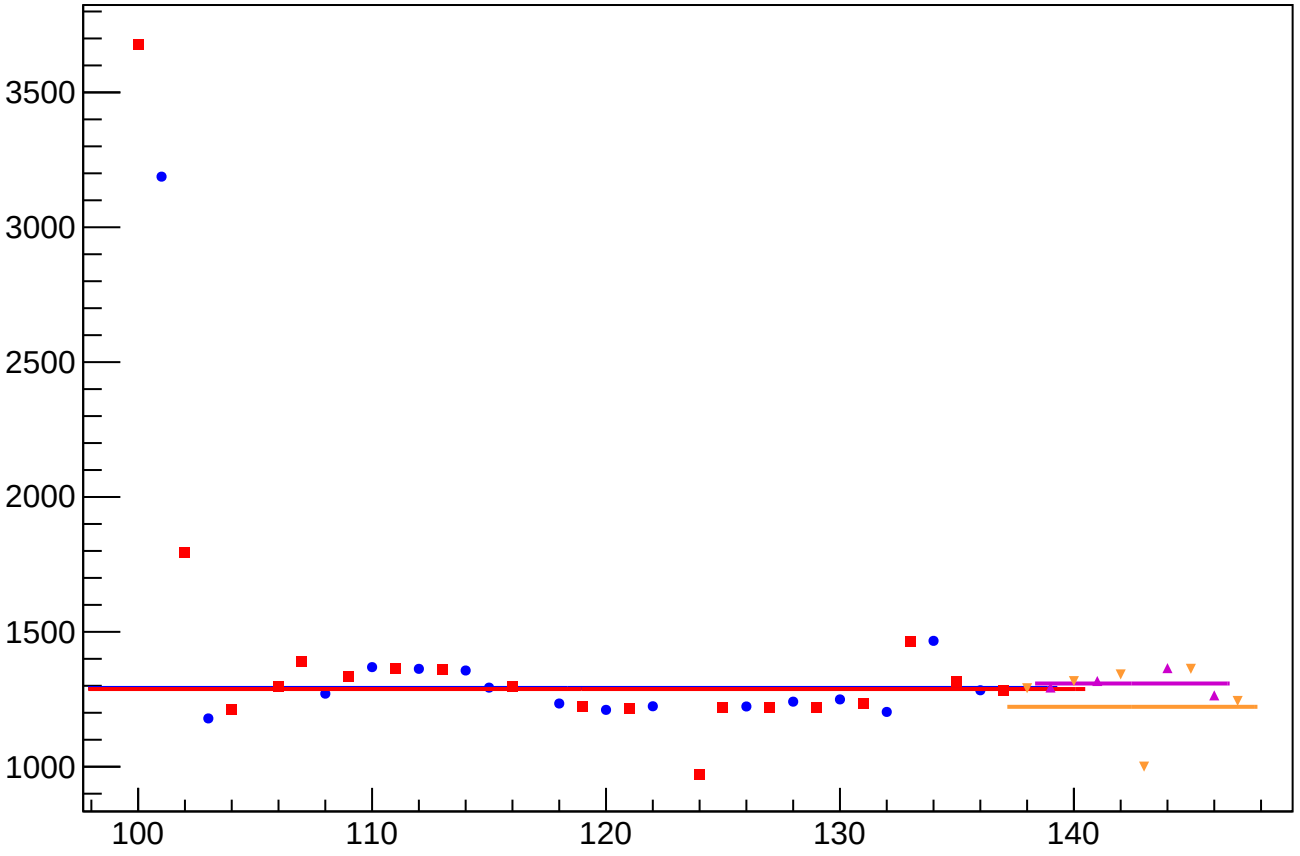
Left In: 1287.017+/-696.377 χ^2/NDF:8.5/3

+ sign -73.086+/-373.760 χ^2/NDF: 20.3/21

All: 256.611+/-272.031 χ^2/NDF: 49.7/44

- sign 627.987+/-396.682 χ^2/NDF: 27.8/22

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: 1222.099+/-0.409 χ^2/NDF:118377.7/5

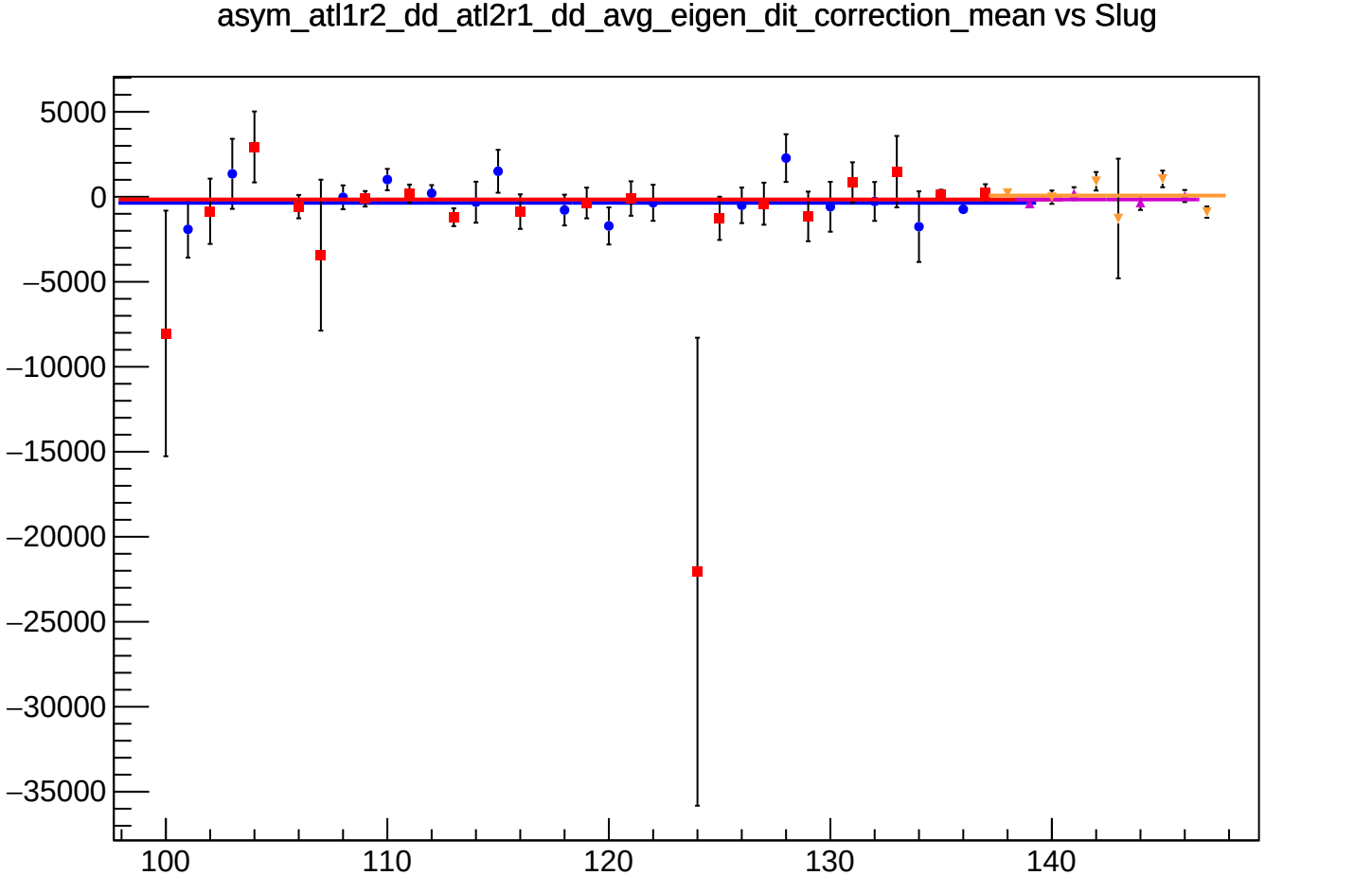
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1262.858+/-0.264 χ^2/NDF: 644811.4/21

All: 1277.809+/-0.192 χ^2/NDF: 867637.4/44

- sign 1294.651+/-0.280 χ^2/NDF: 216020.2/22



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 72.844+/-158.455 χ^2/NDF:15.3/5

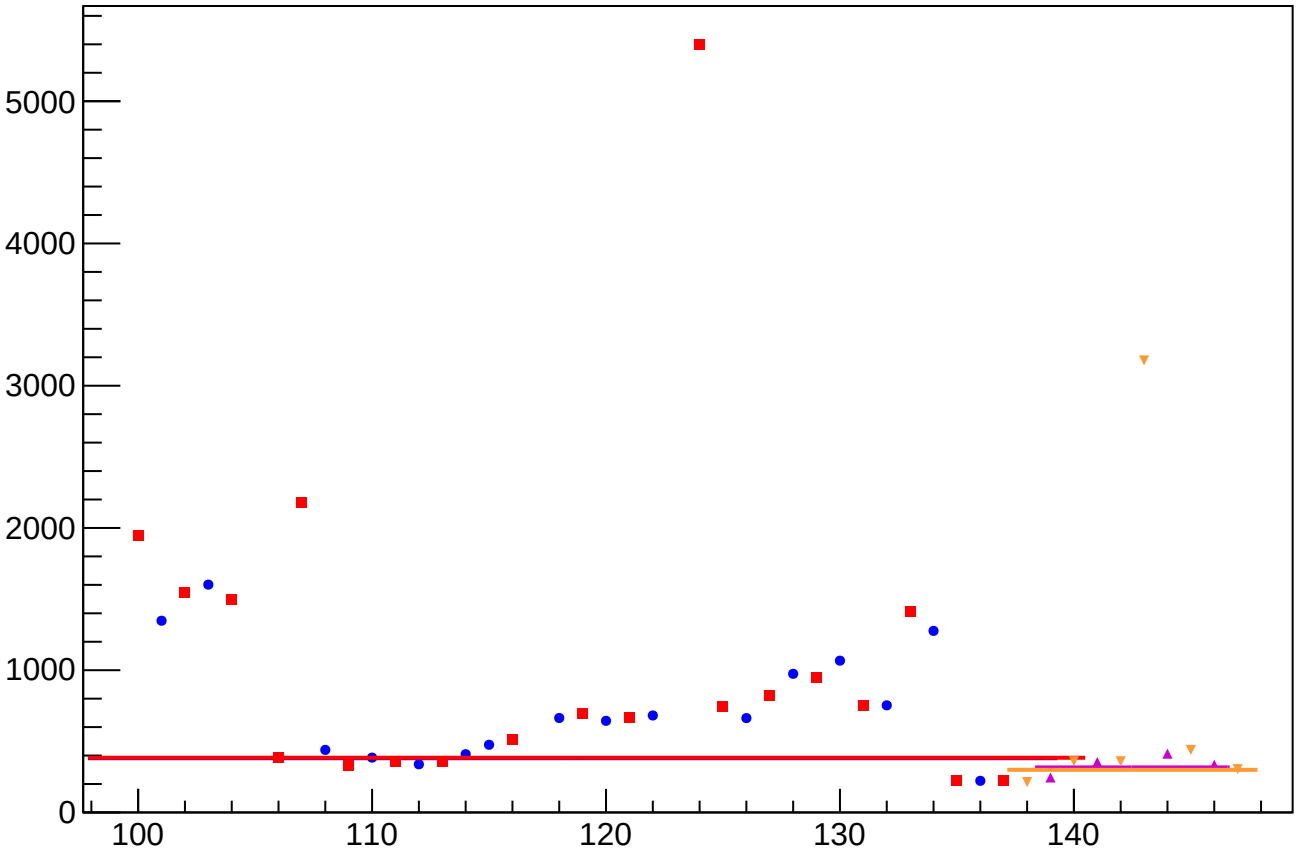
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.575 χ^2/NDF:2.1/3

\+ sign -126.196+/-115.903 χ^2/NDF: 37.2/21

All: -141.080+/-83.809 χ^2/NDF: 55.1/44

\- sign -157.390+/-121.331 χ^2/NDF: 17.9/22



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

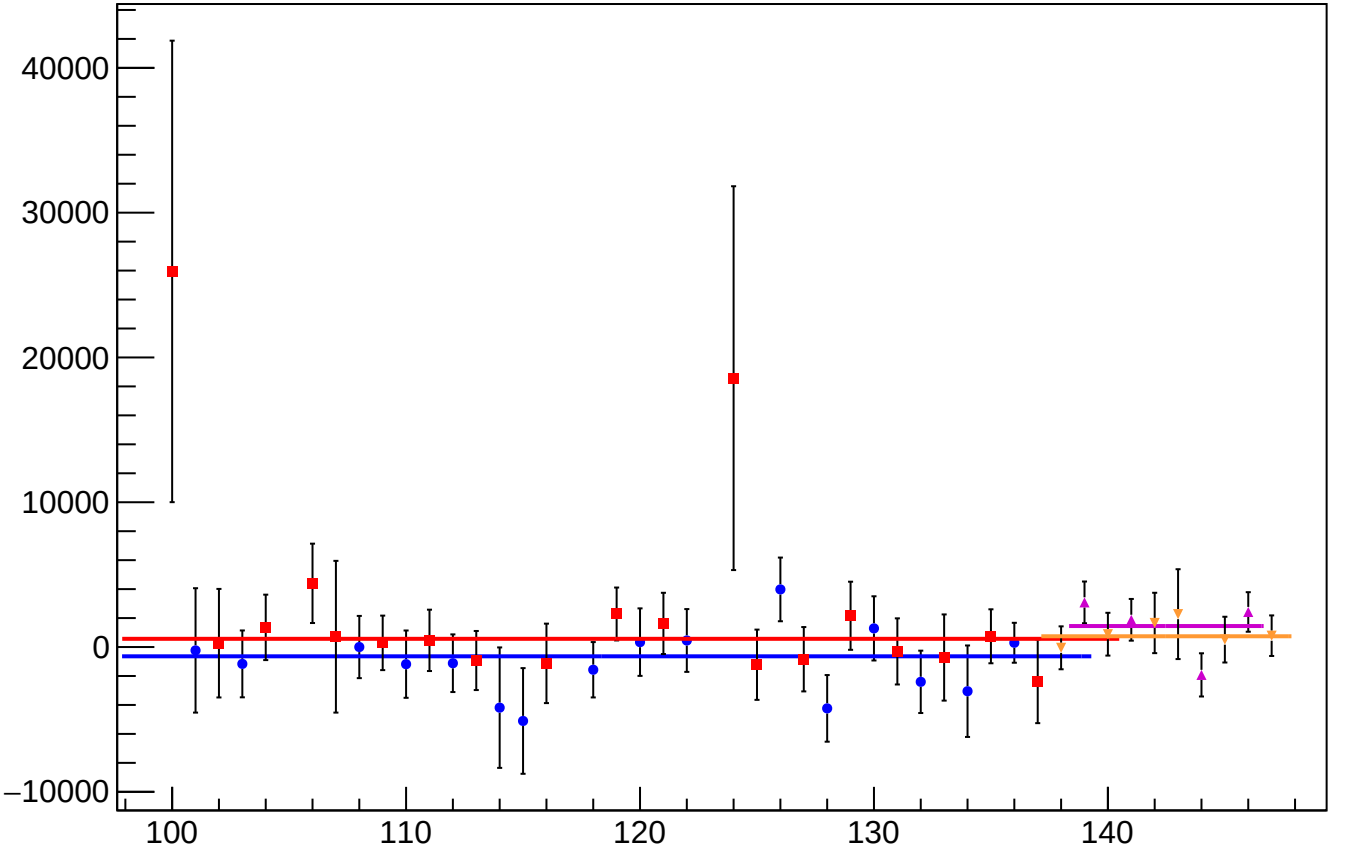
Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

+ sign 337.682+/-0.082 χ^2/NDF: 6386063.6/21

All: 344.235+/-0.059 χ^2/NDF: 11370095.0/44

- sign 351.416+/-0.086 χ^2/NDF: 4970632.0/22

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

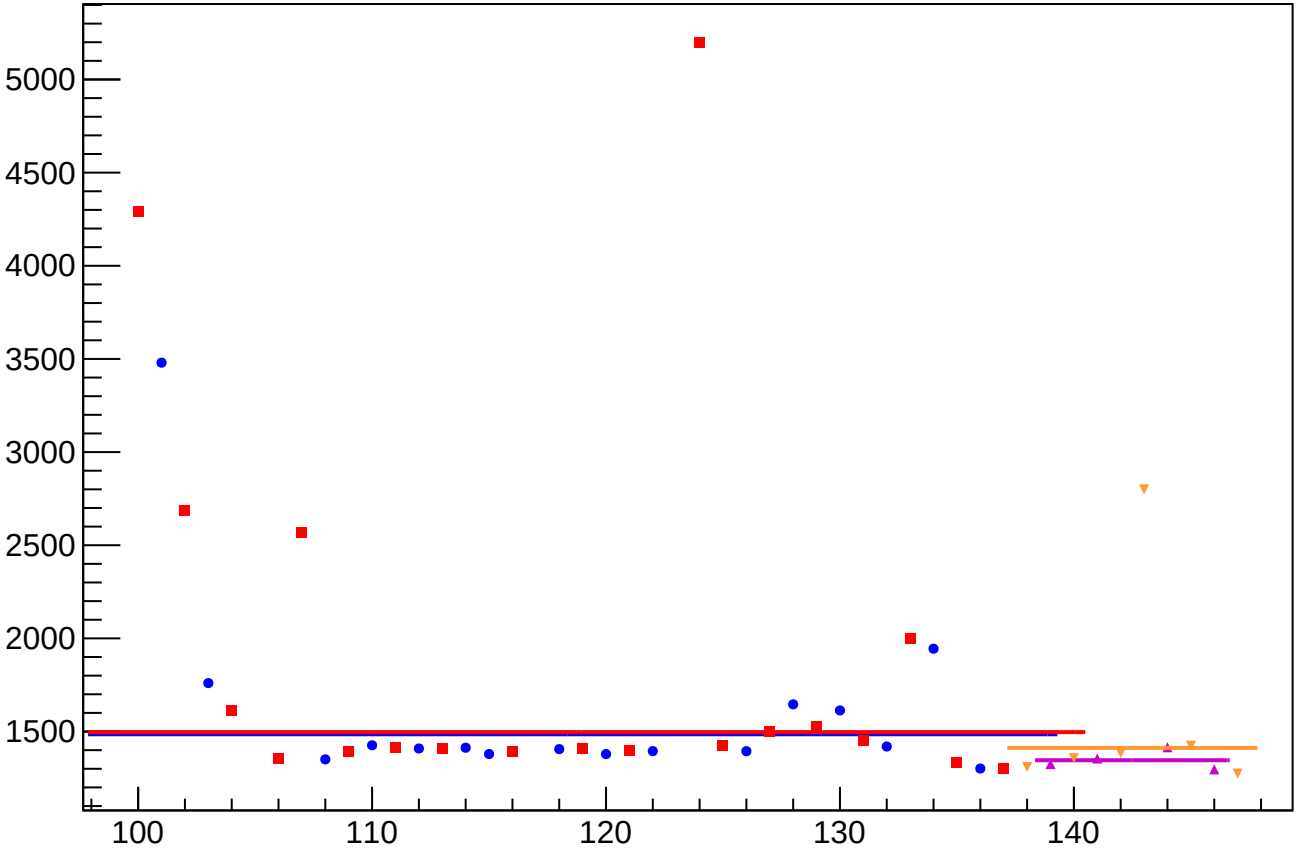
Left In: 1450.037+/-716.396 χ^2/NDF:7.0/3

+ sign -76.998+/-434.481 χ^2/NDF: 15.7/21

All: 403.843+/-310.703 χ^2/NDF: 37.4/44

- sign 907.091+/-444.489 χ^2/NDF: 19.3/22

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

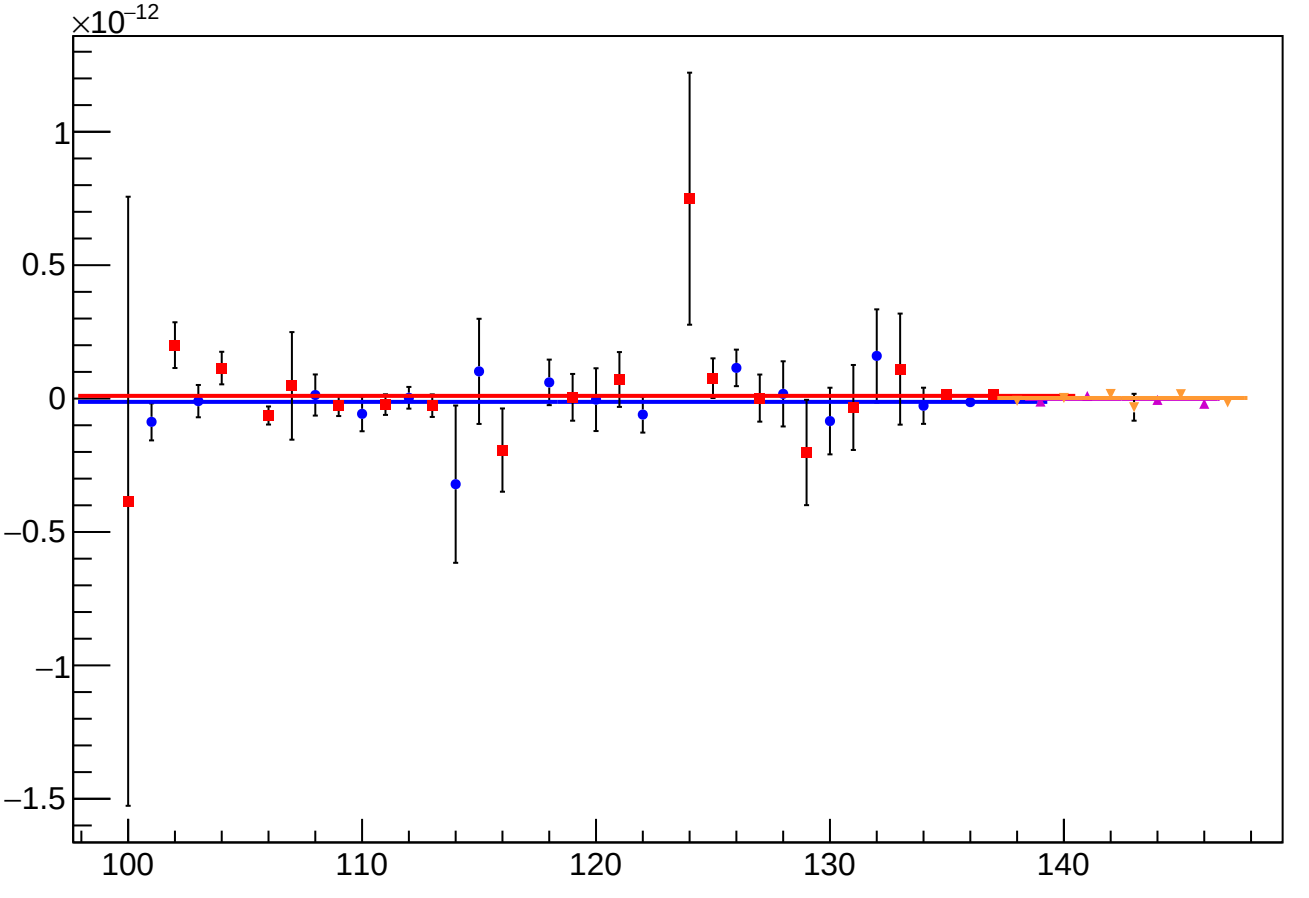
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

+ sign 1455.509+/-0.307 χ^2/NDF: 1030638.3/21

All: 1447.317+/-0.220 χ^2/NDF: 1717440.6/44

- sign 1438.744+/-0.314 χ^2/NDF: 685347.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/5

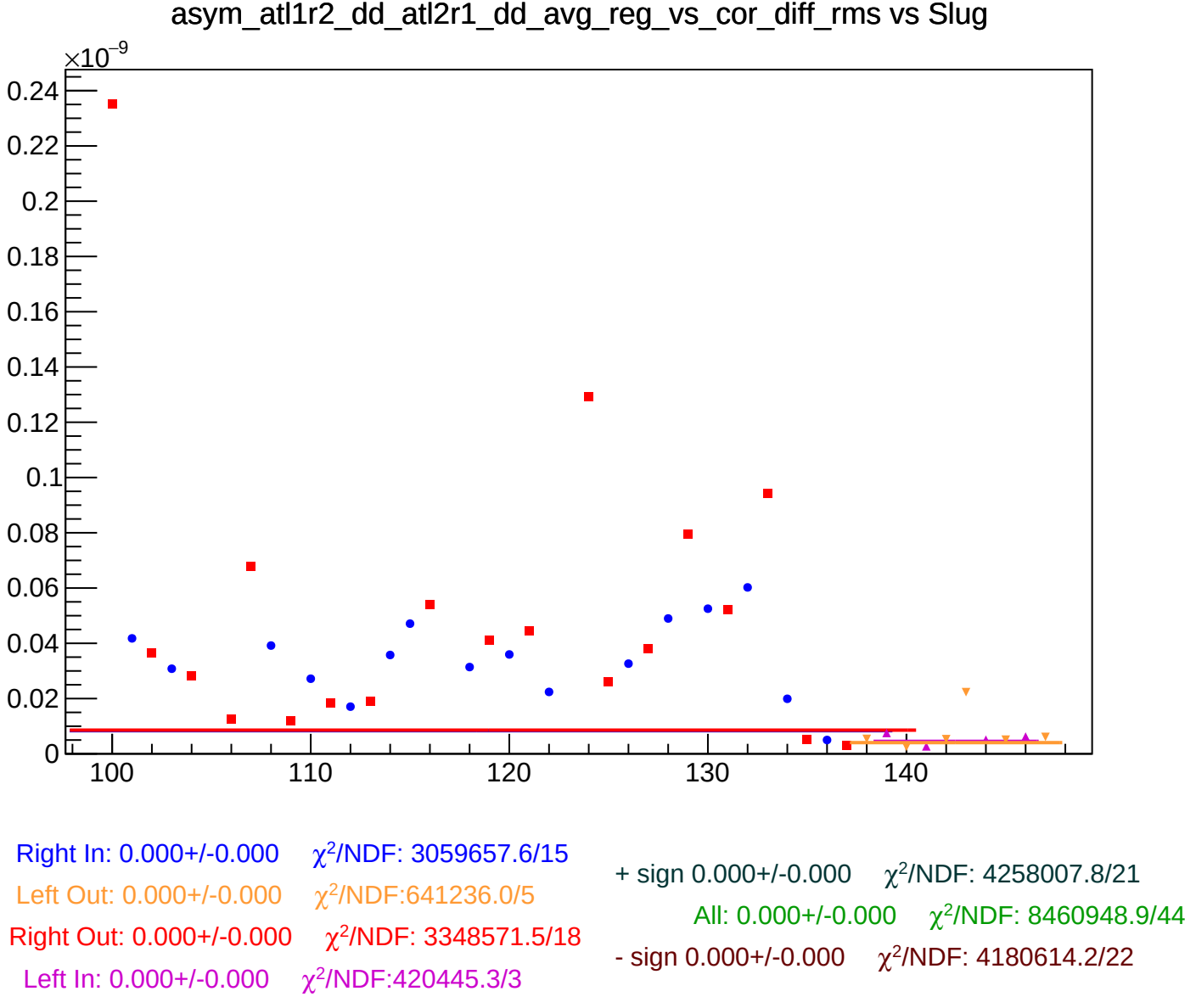
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

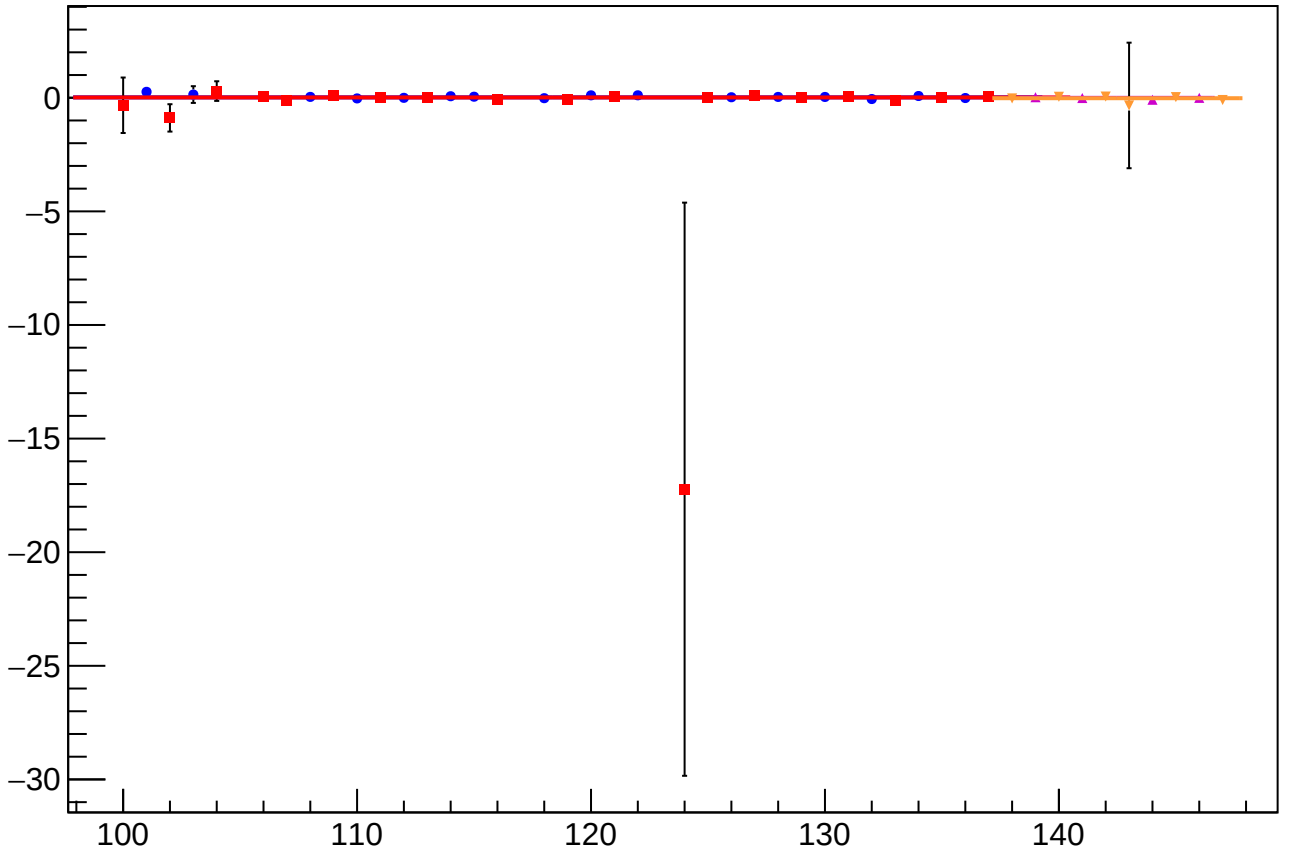
Left In: -0.000+/-0.000 χ^2/NDF:7.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 53.0/44

- sign 0.000+/-0.000 χ^2/NDF: 31.7/22


asym_atl1r2_dd_atl2r1_dd_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
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:641236.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:420445.3/3
+ sign 0.000+/-0.000 χ²/NDF: 4258007.8/21
All: 0.000+/-0.000 χ²/NDF: 8460948.9/44
- sign 0.000+/-0.000 χ²/NDF: 4180614.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

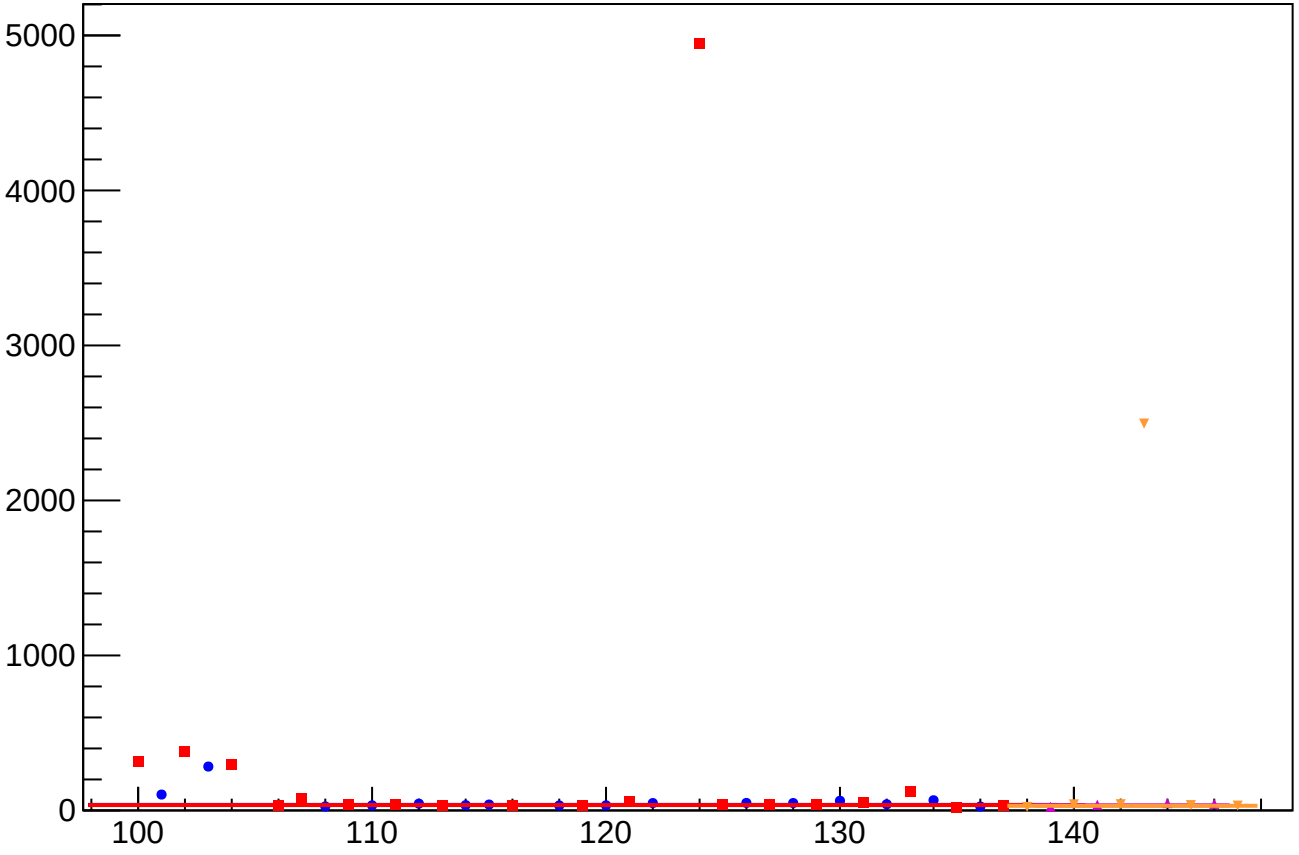
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

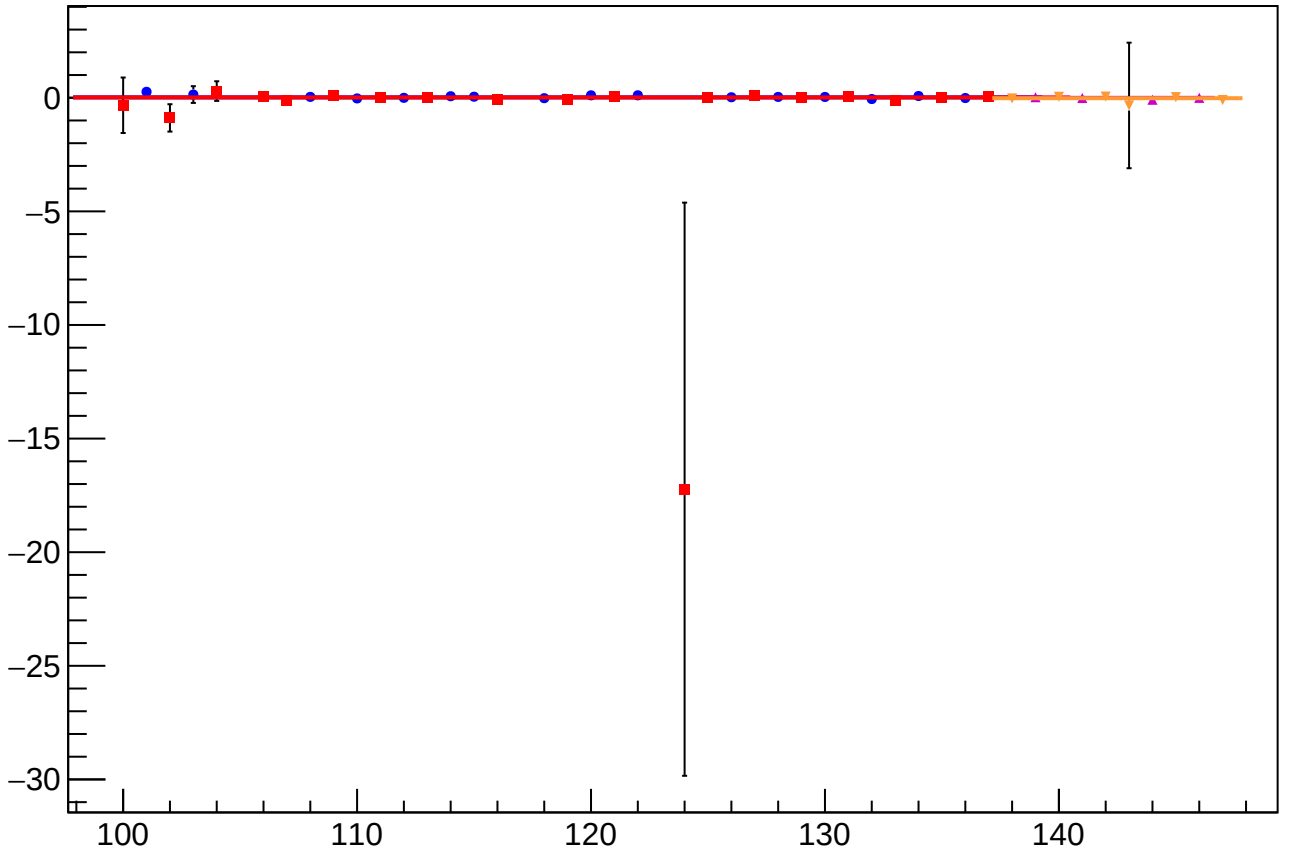
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

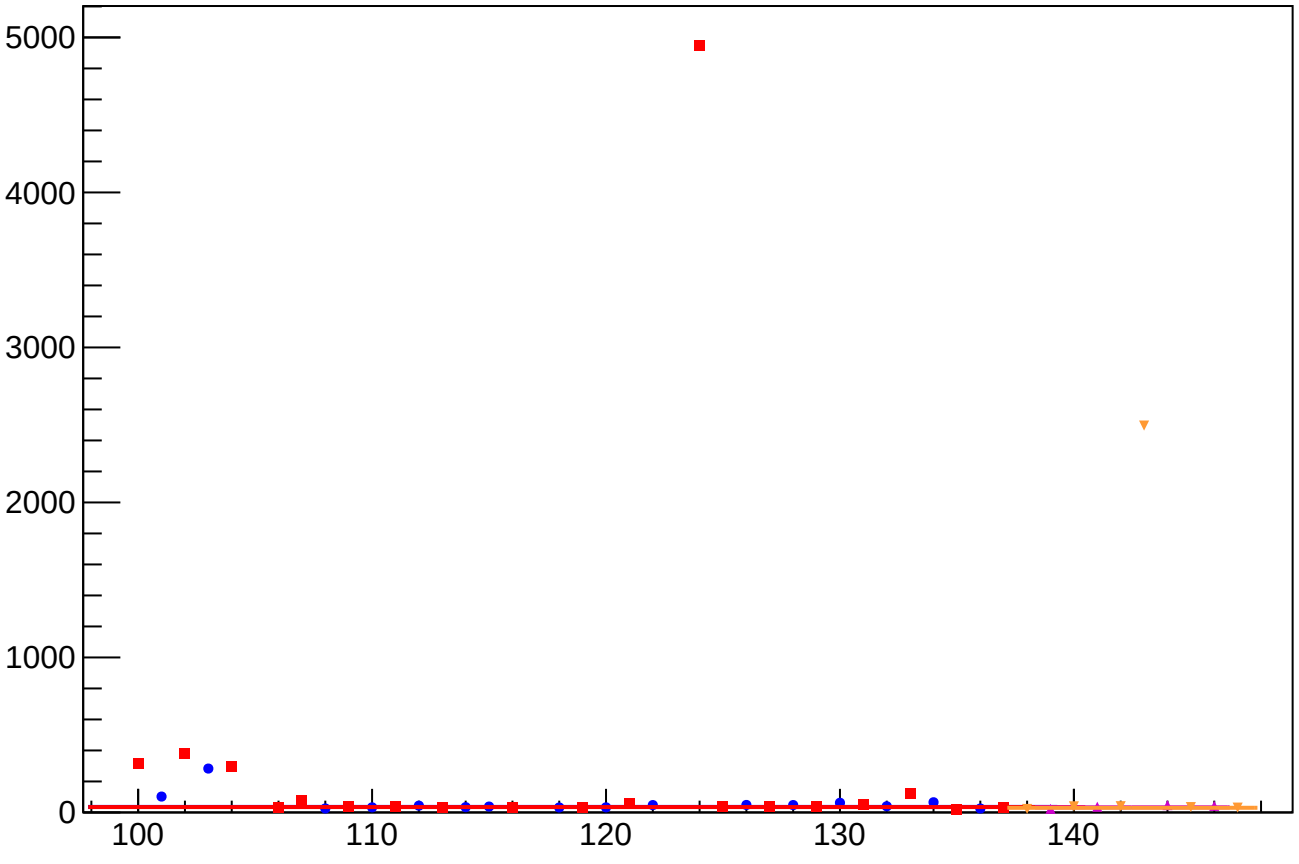
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

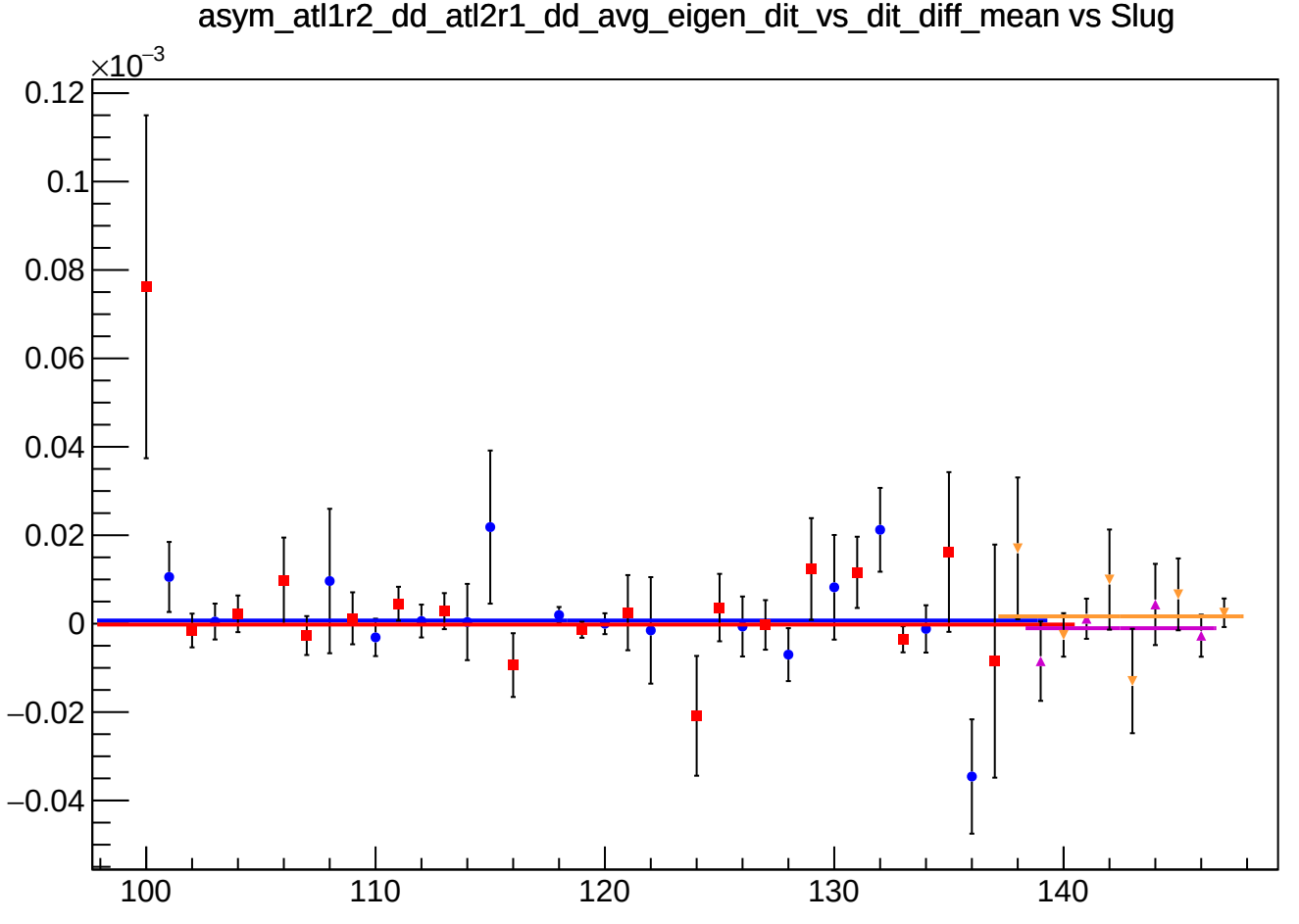
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

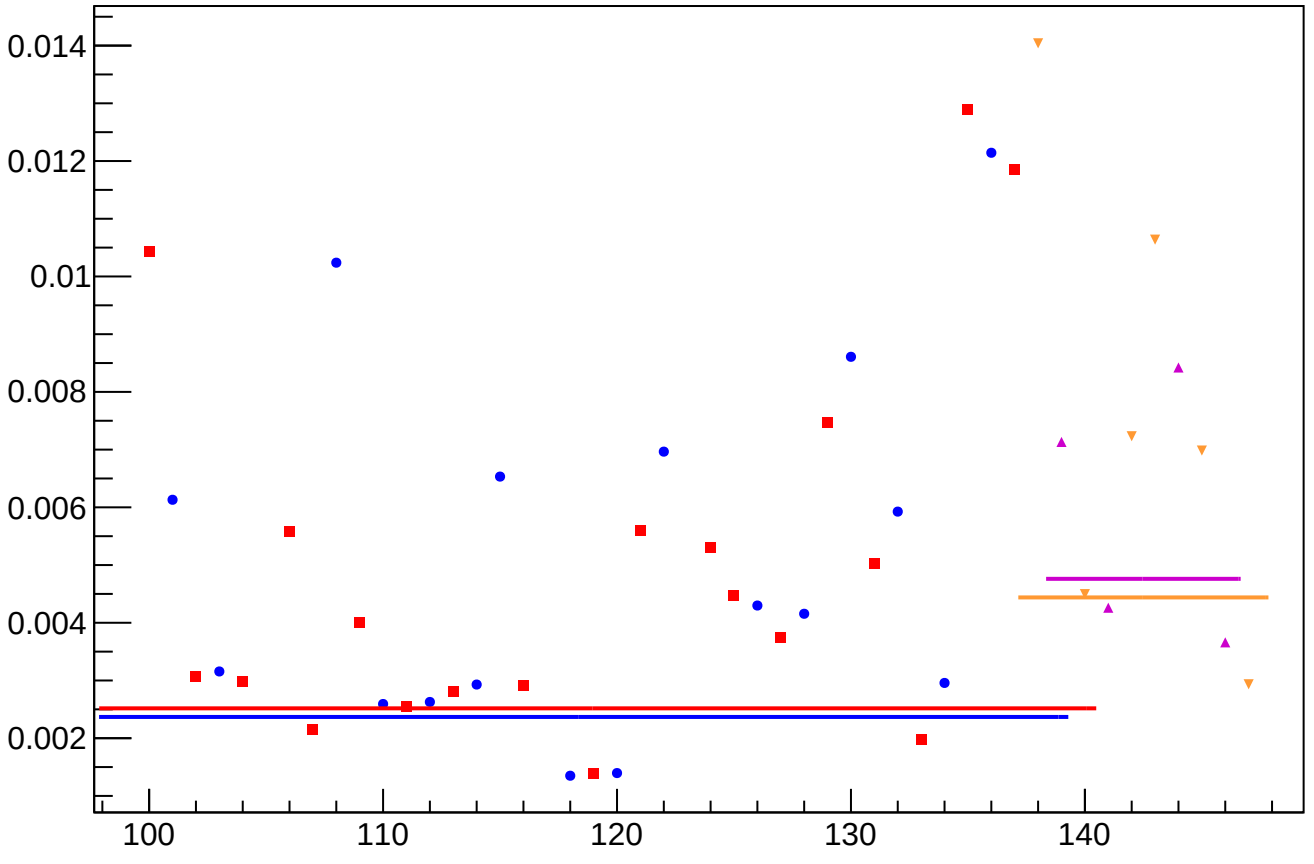
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/21

All: 0.000+/-0.000 χ^2/NDF: 43.6/44

- sign -0.000+/-0.000 χ^2/NDF: 19.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

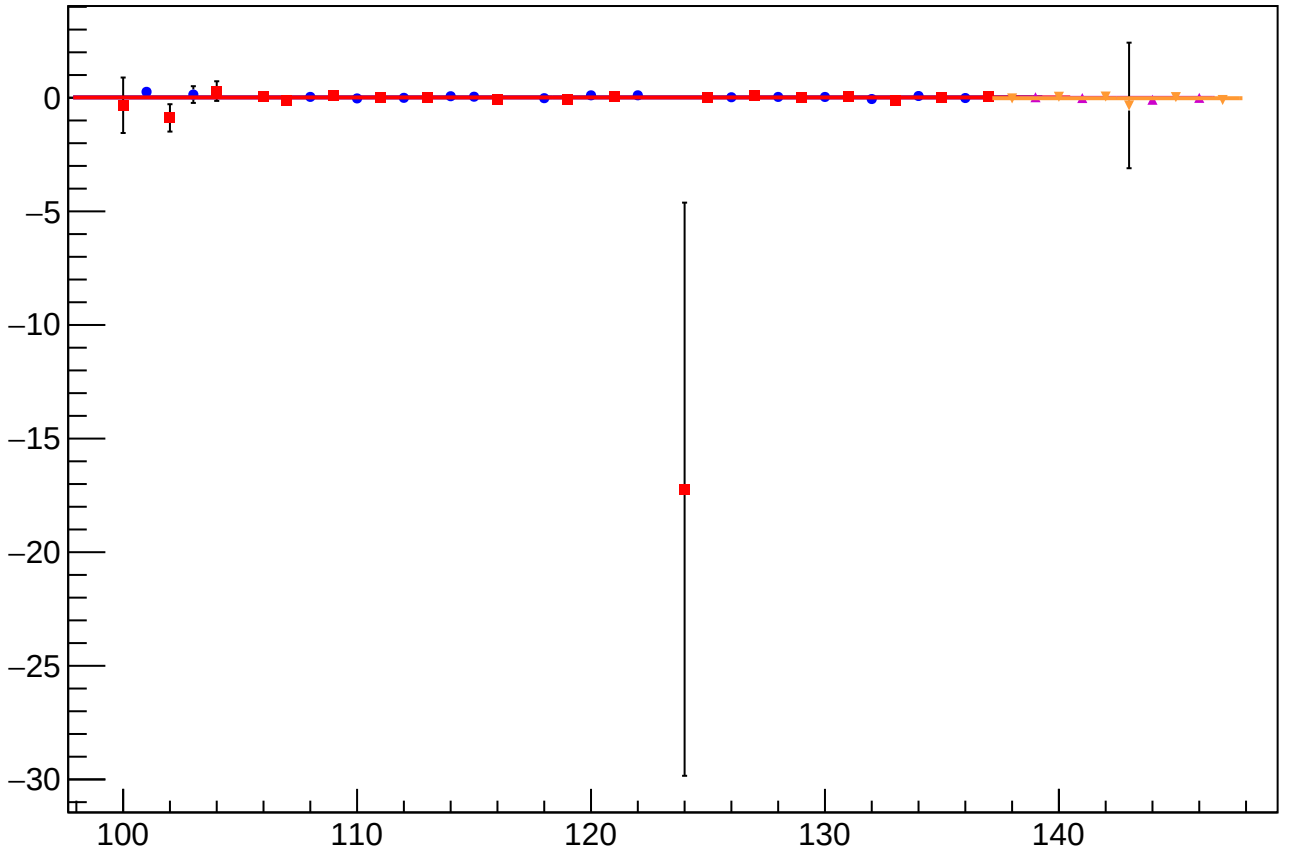
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

+ sign 0.003+/-0.000 χ^2/NDF: 7957364.6/21

All: 0.003+/-0.000 χ^2/NDF: 12985247.6/44

- sign 0.003+/-0.000 χ^2/NDF: 5025152.1/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

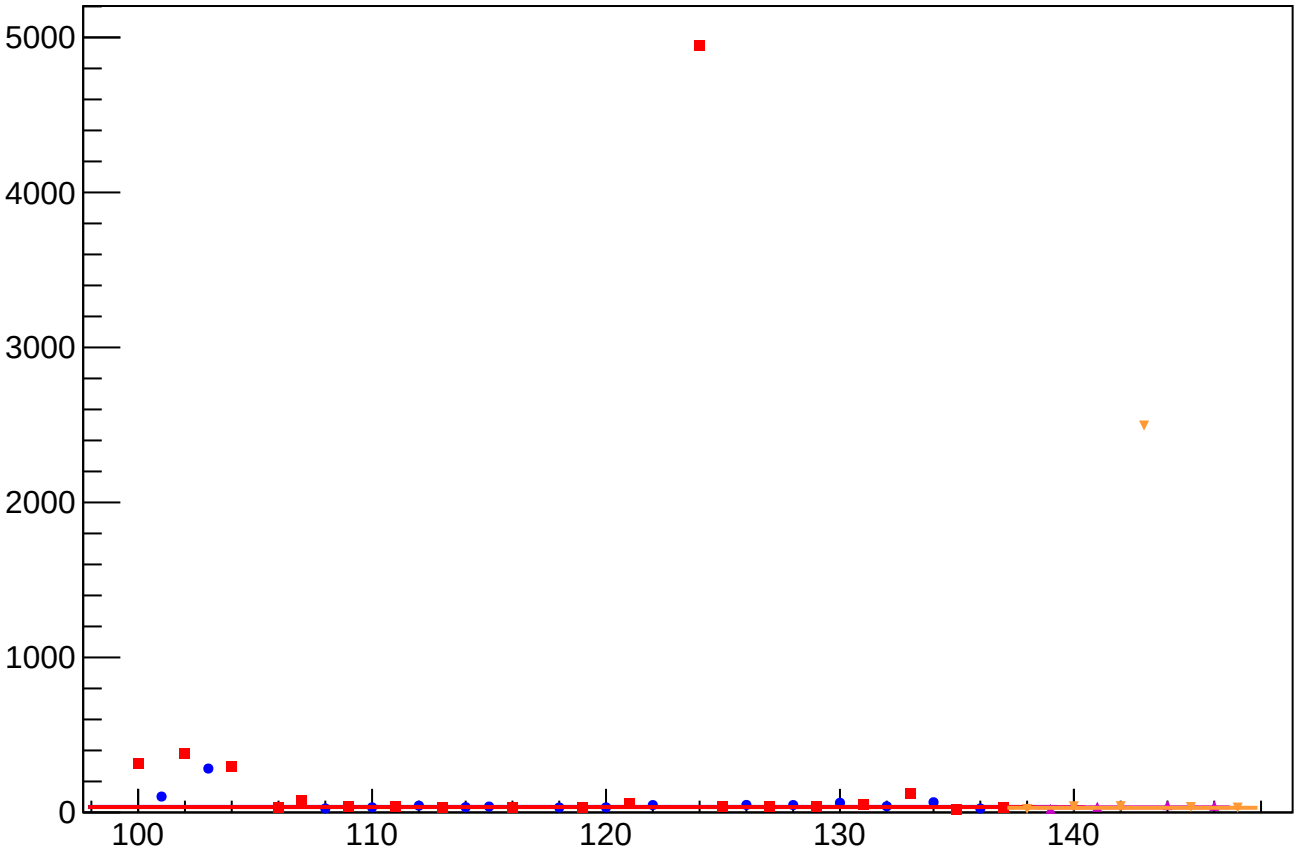
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896888.6/5

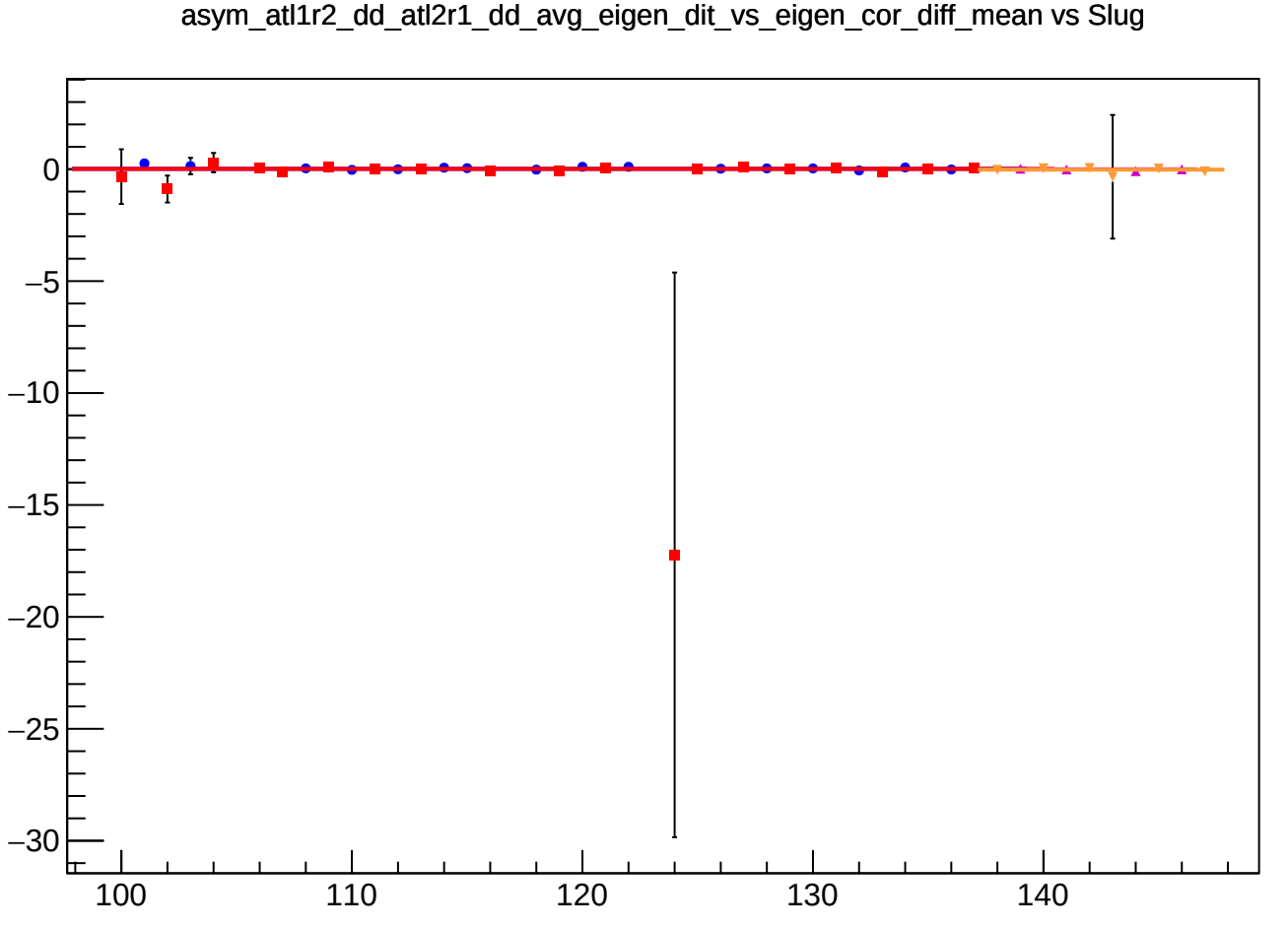
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

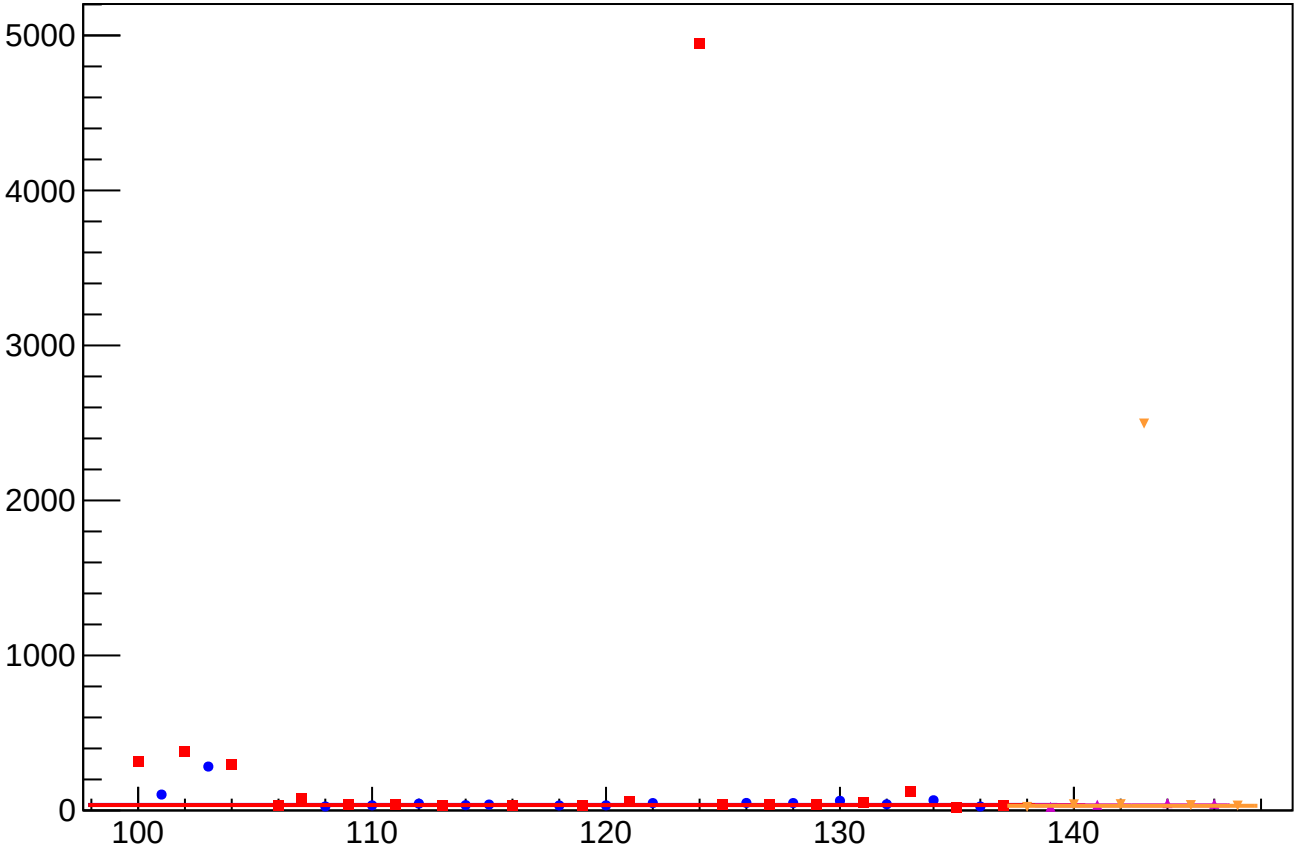
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/44

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

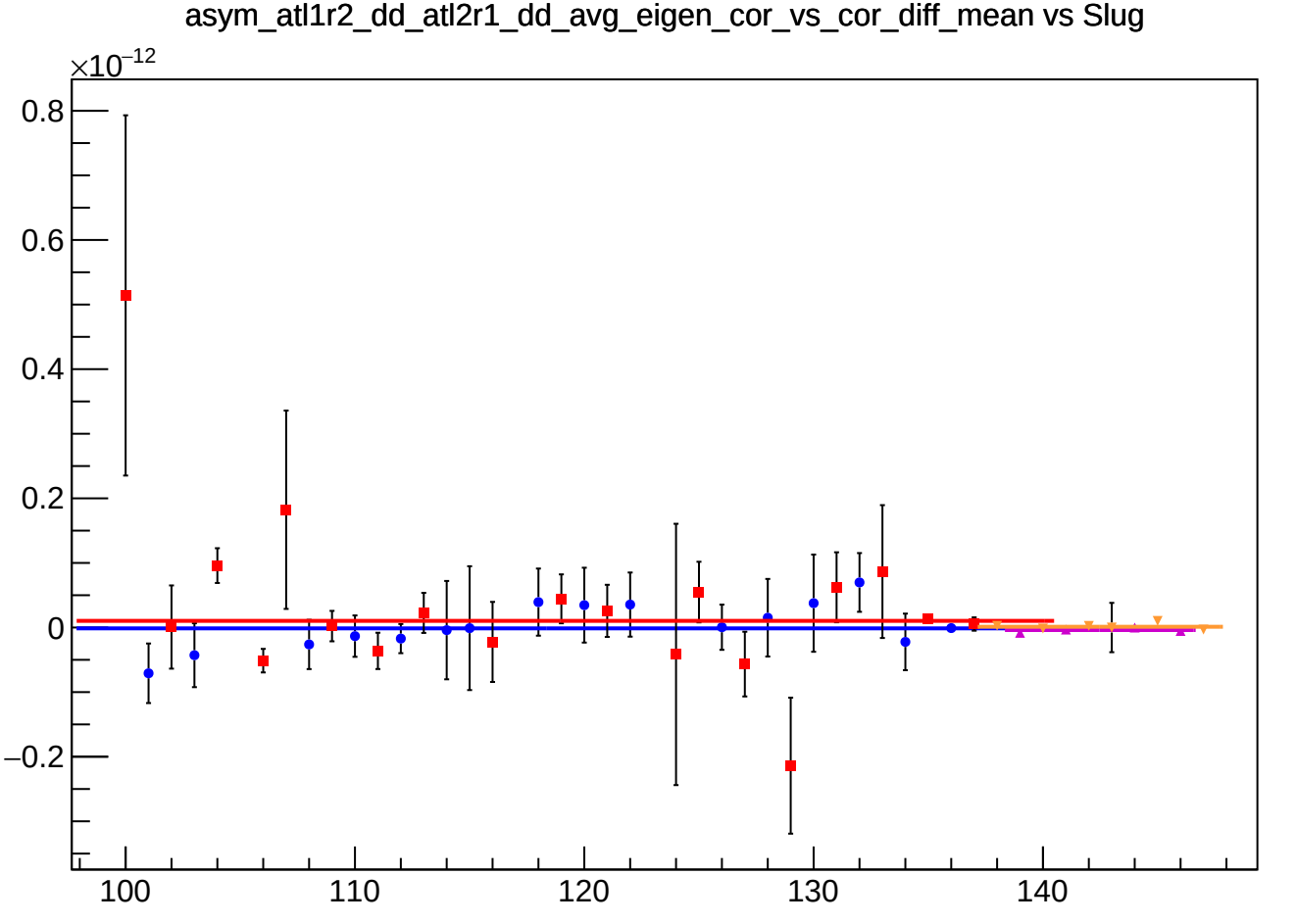
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

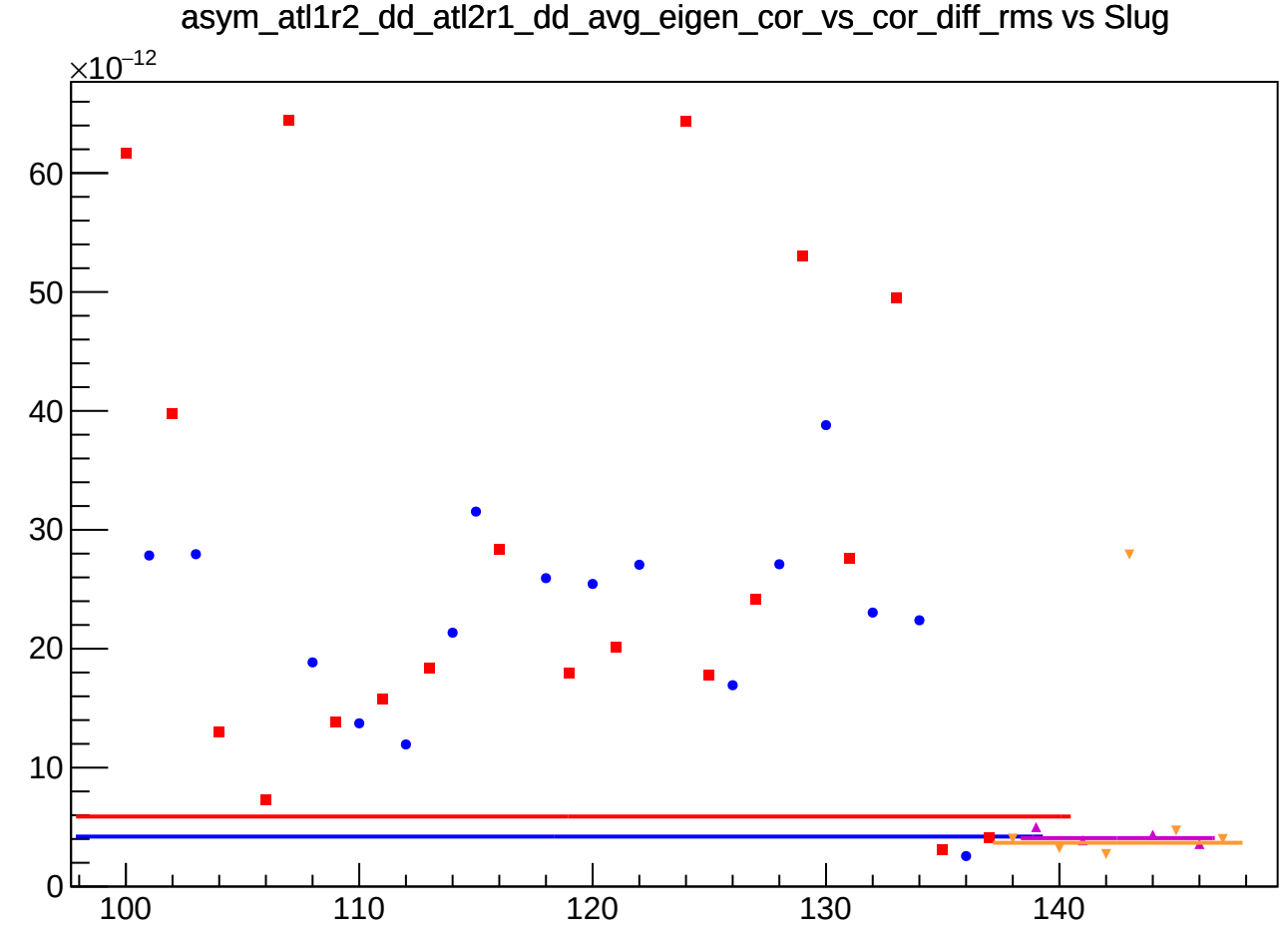
Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
Right In: -0.000+/-0.000 χ2/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ2/NDF:3.2/5
Right Out: 0.000+/-0.000 χ2/NDF: 39.9/18
Left In: -0.000+/-0.000 χ2/NDF:1.0/3
+ sign 0.000+/-0.000 χ2/NDF: 12.2/21
All: 0.000+/-0.000 χ2/NDF: 61.4/44
- sign 0.000+/-0.000 χ2/NDF: 49.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

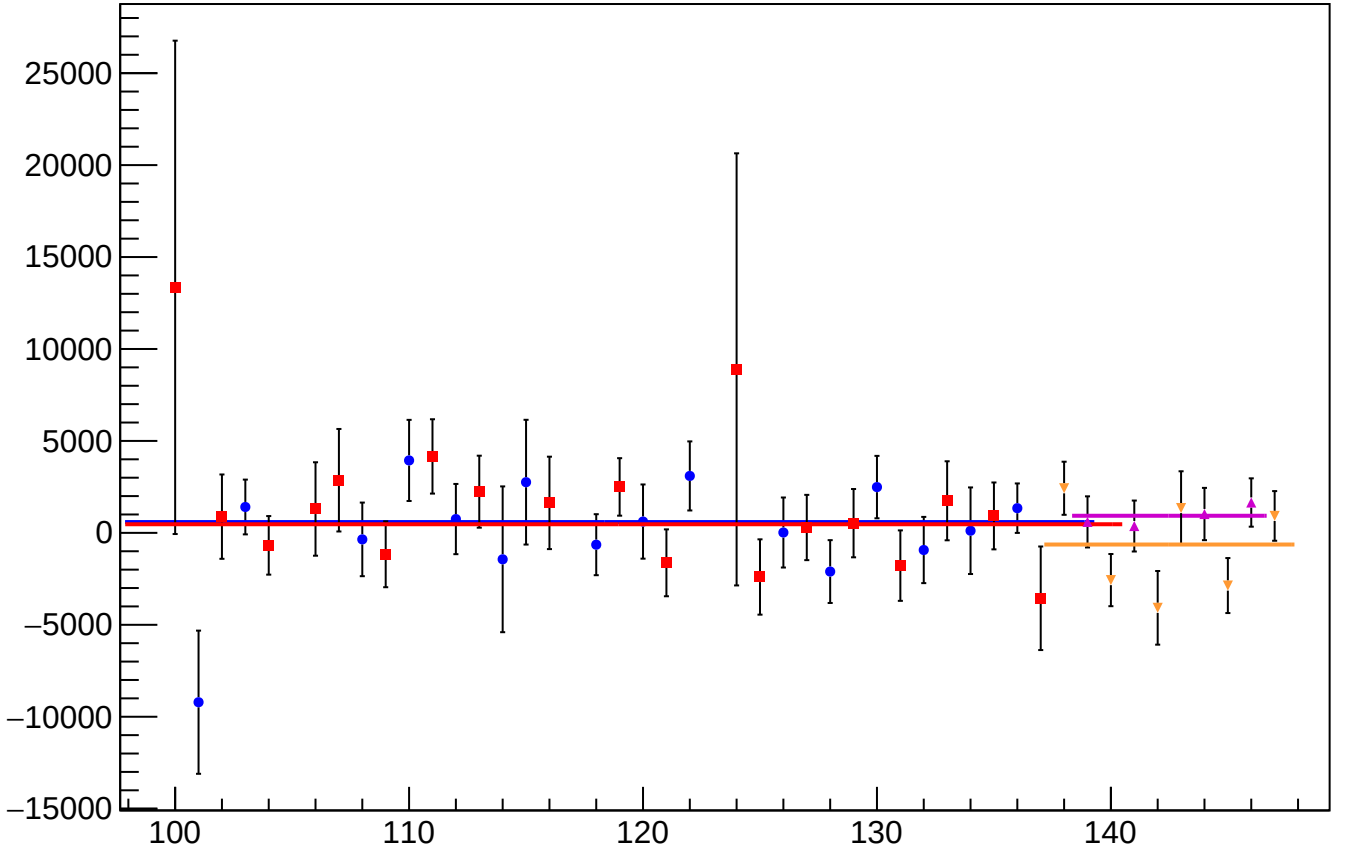
Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 6079214.2/21

All: 0.000+/-0.000 χ^2/NDF: 11409634.2/44

- sign 0.000+/-0.000 χ^2/NDF: 5198653.6/22

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

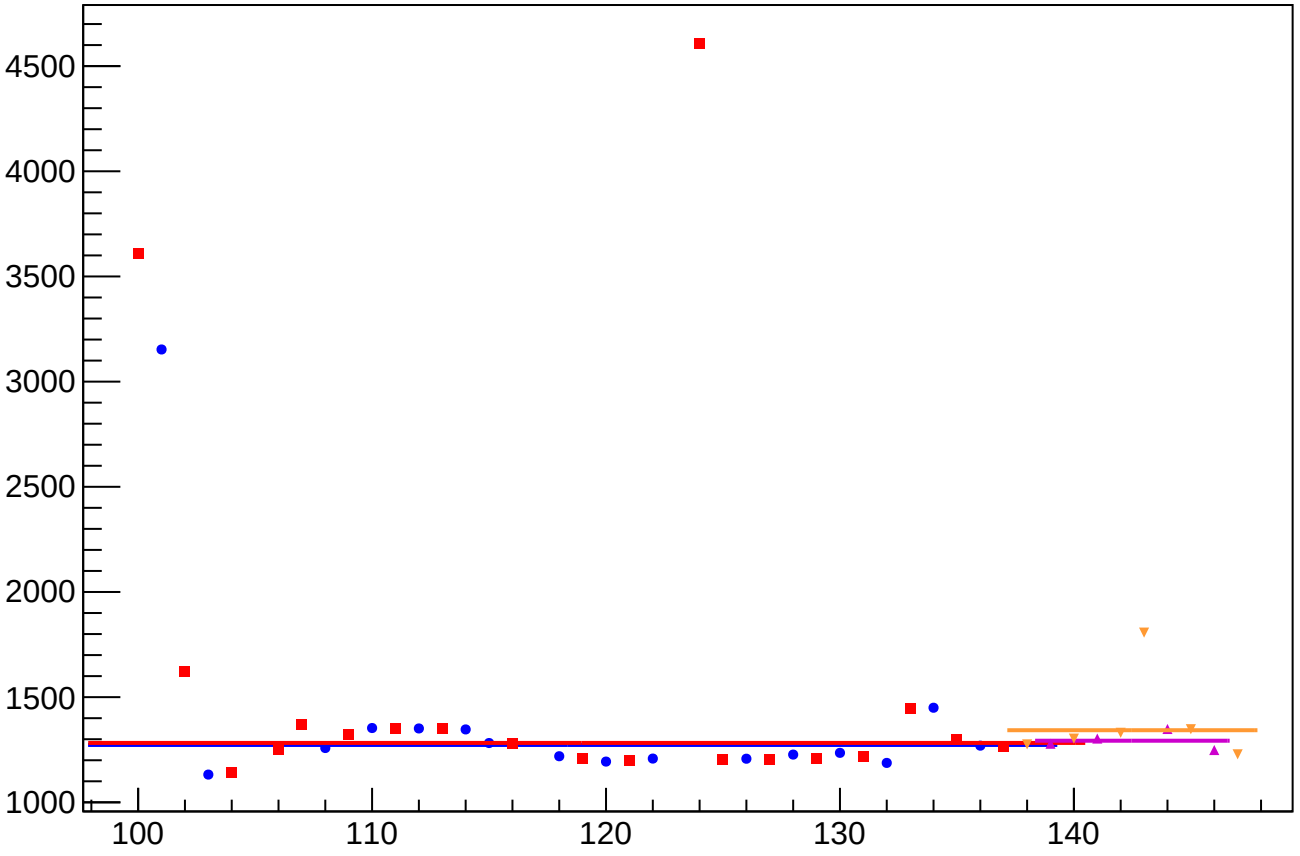
Left In: 930.335+/-688.021 χ^2/NDF:0.5/3

+ sign 141.178+/-384.387 χ^2/NDF: 33.3/21

All: 374.833+/-275.121 χ^2/NDF: 51.7/44

- sign 620.258+/-393.949 χ^2/NDF: 17.7/22

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

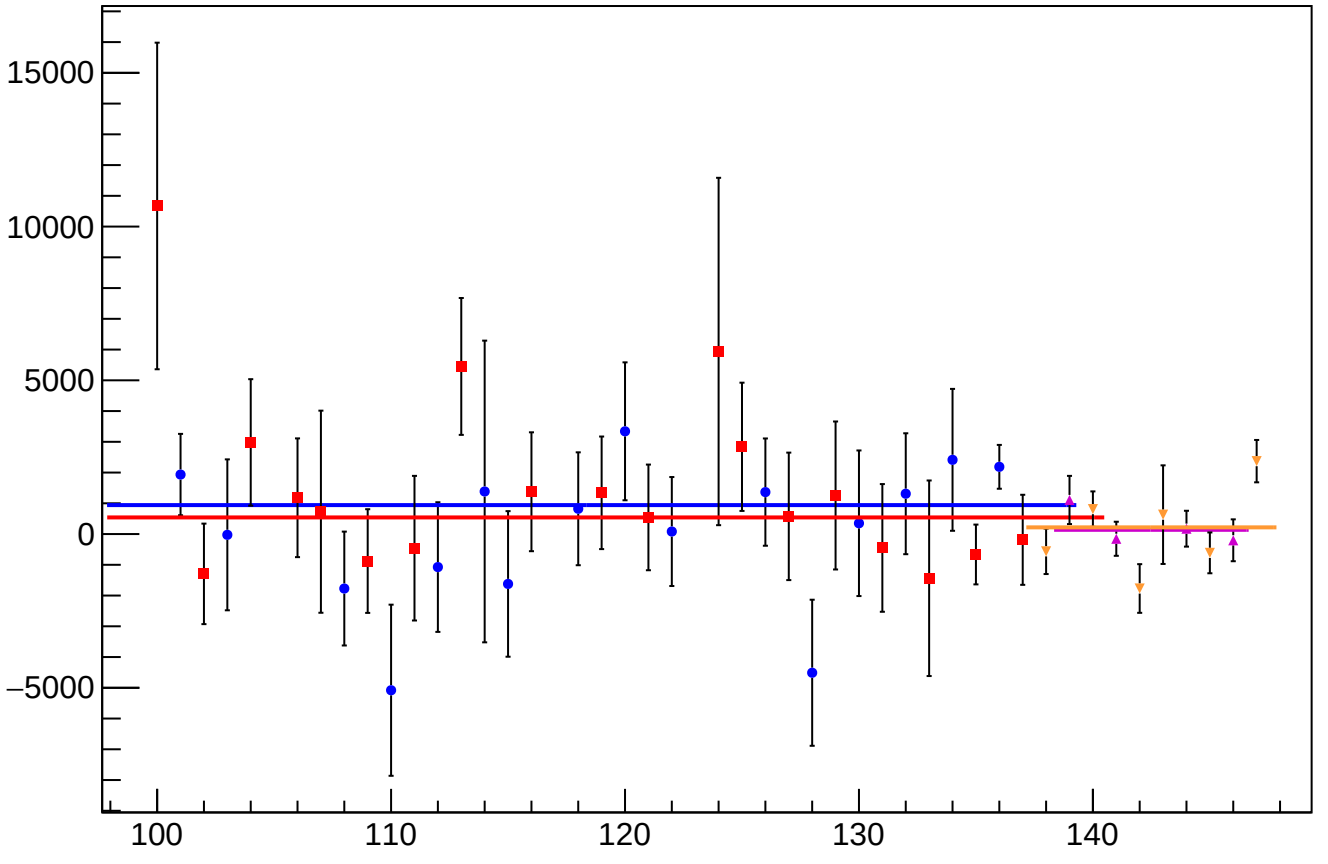
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.367+/-0.272 χ^2/NDF: 662783.7/21

All: 1292.243+/-0.195 χ^2/NDF: 991887.8/44

- sign 1285.812+/-0.279 χ^2/NDF: 328063.5/22



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 217.403+/-298.713 χ^2/NDF:19.9/5

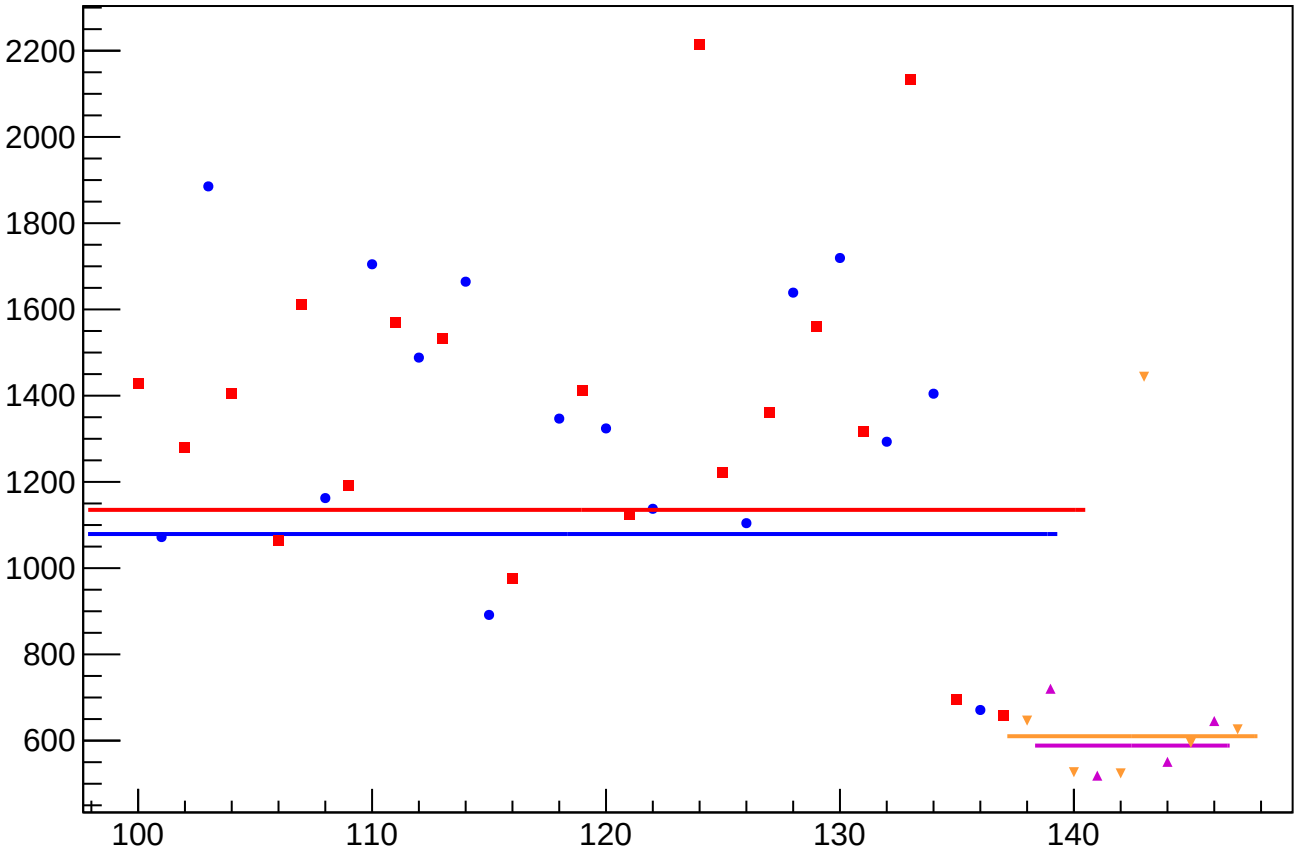
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 138.037+/-316.509 χ^2/NDF:2.1/3

\+ sign 456.287+/-244.546 χ^2/NDF: 41.7/21

All: 370.283+/-177.133 χ^2/NDF: 61.8/44

\- sign 275.357+/-256.919 χ^2/NDF: 19.8/22



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

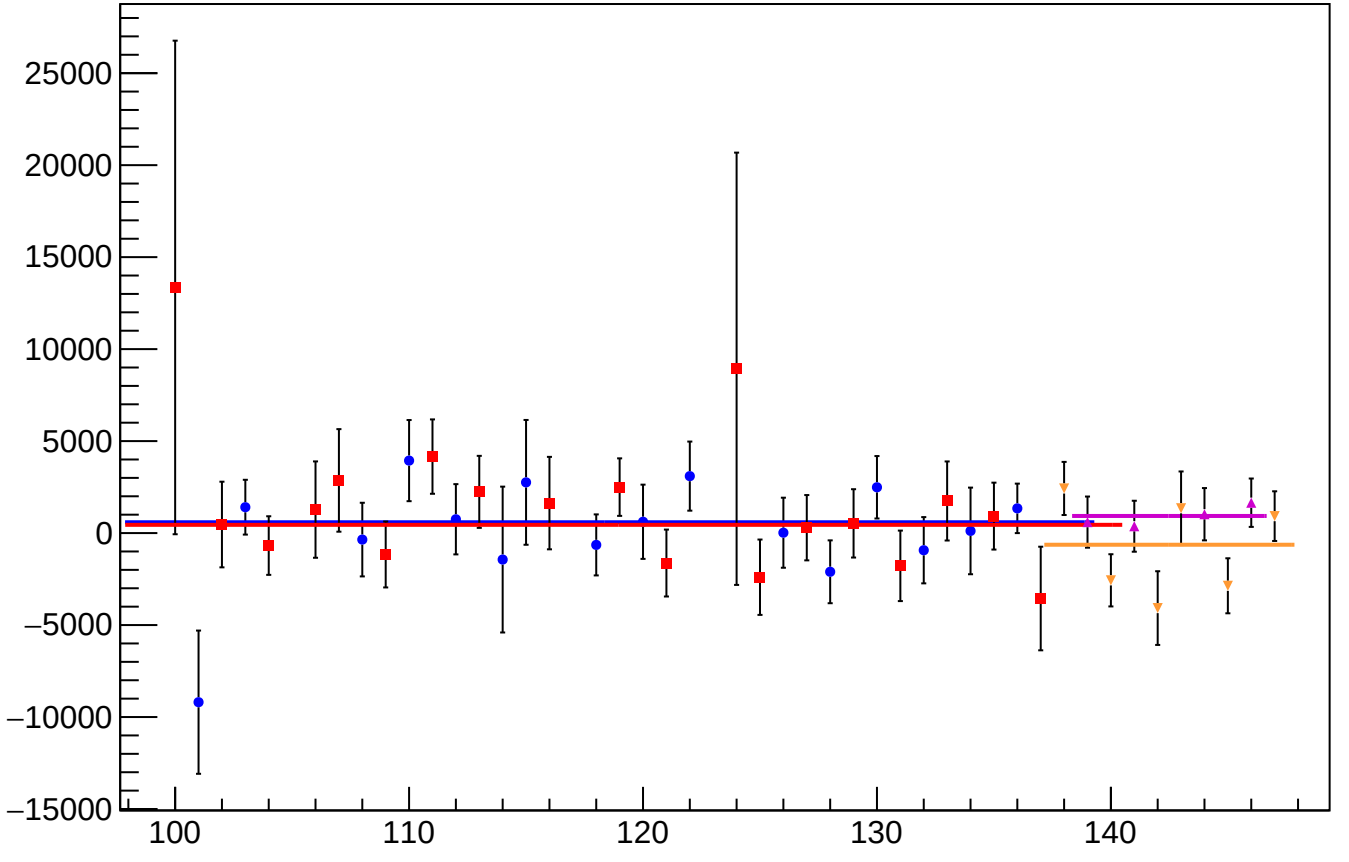
Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

\+ sign 764.857+/-0.173 χ^2/NDF: 3720668.7/21

All: 769.659+/-0.125 χ^2/NDF: 7161018.2/44

\- sign 774.959+/-0.182 χ^2/NDF: 3438727.5/22

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

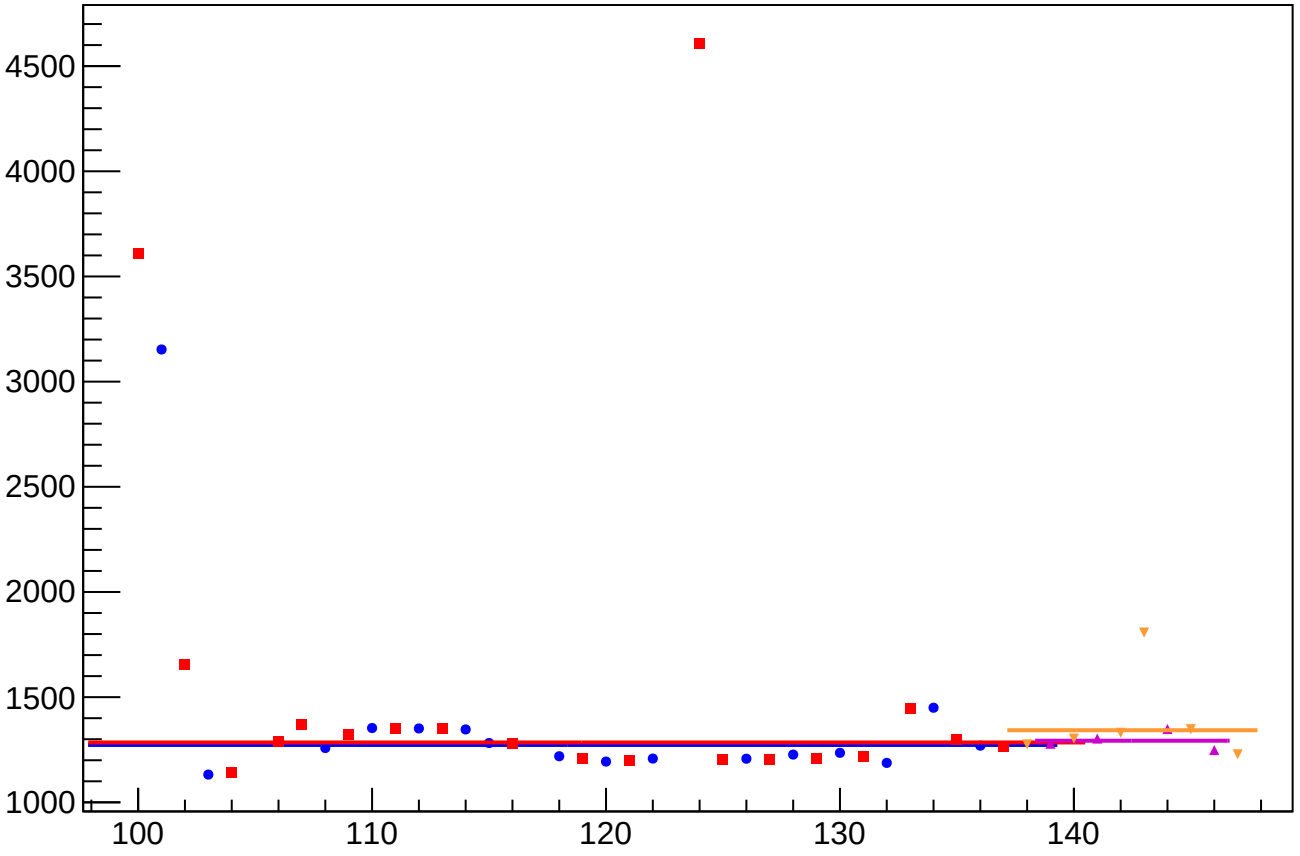
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

\+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 368.061+/-275.274 χ^2/NDF: 51.6/44

\- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

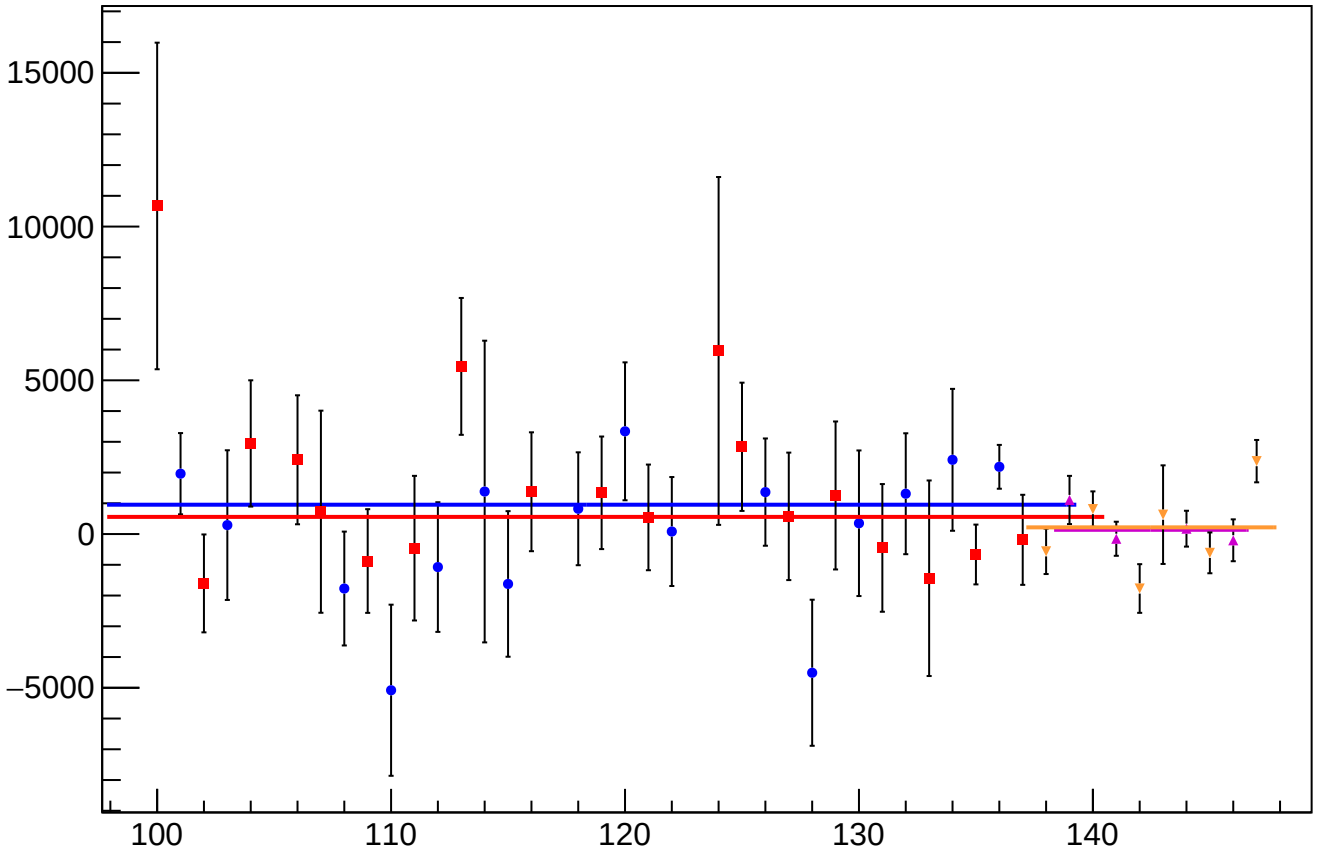
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

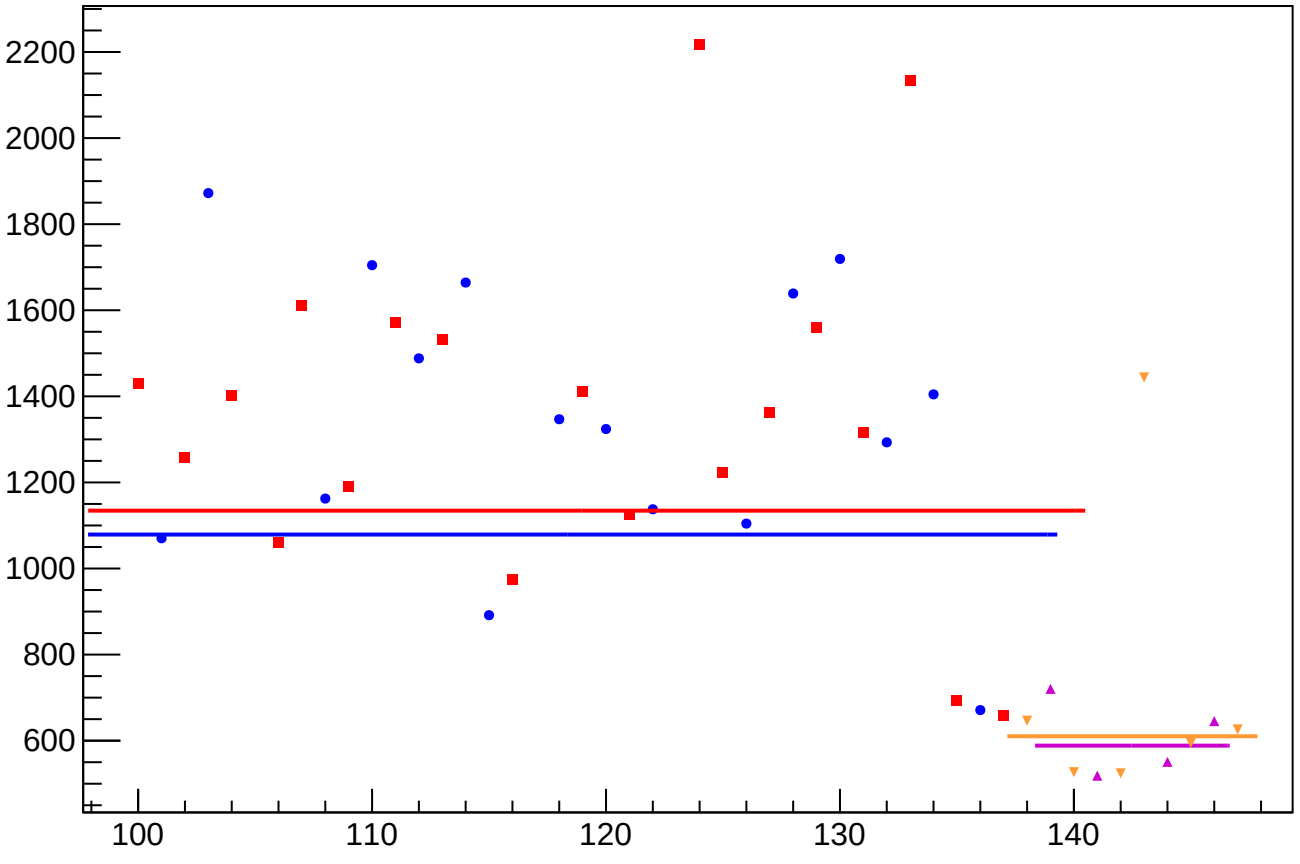
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 375.227+/-177.176 χ^2/NDF: 63.1/44

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

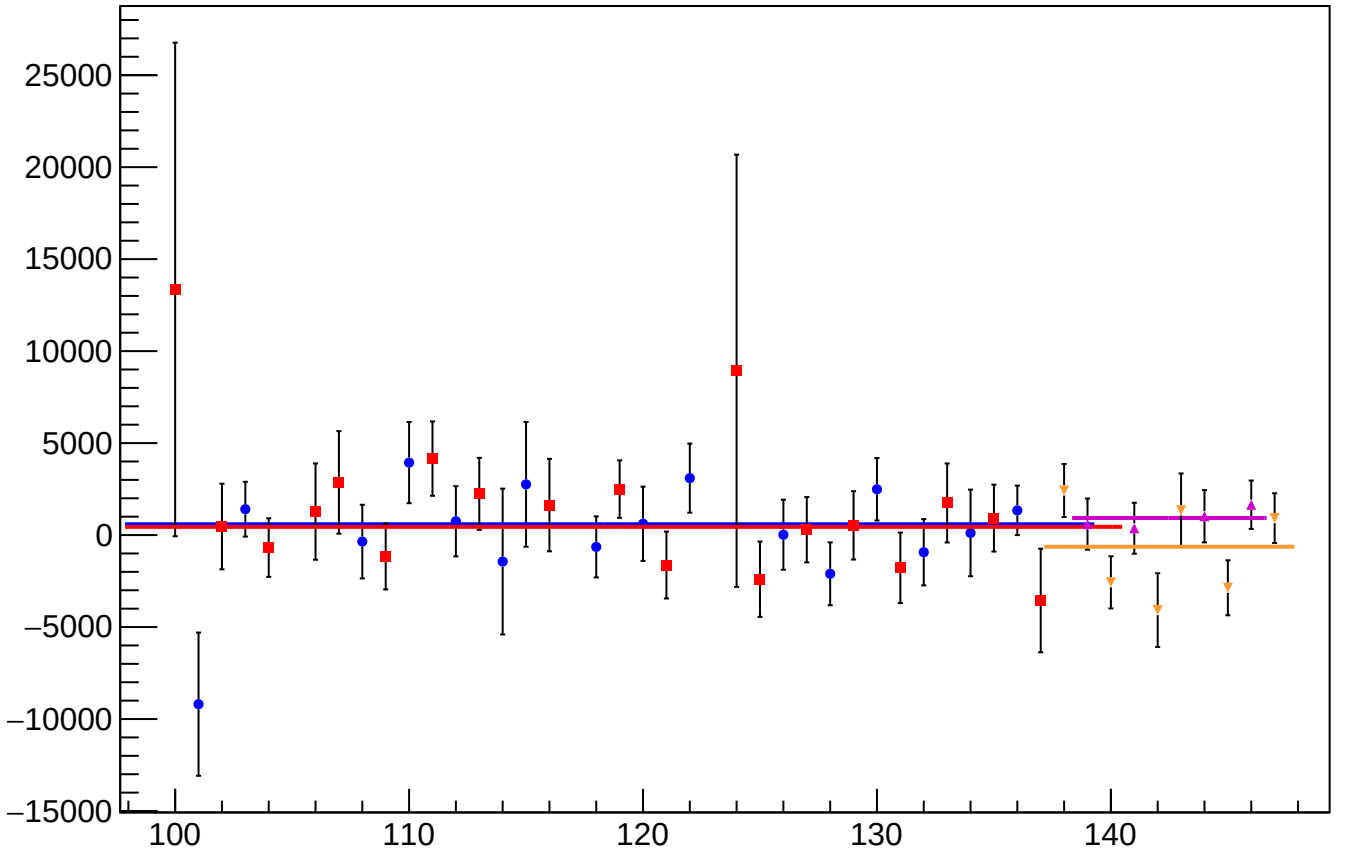
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44

\- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

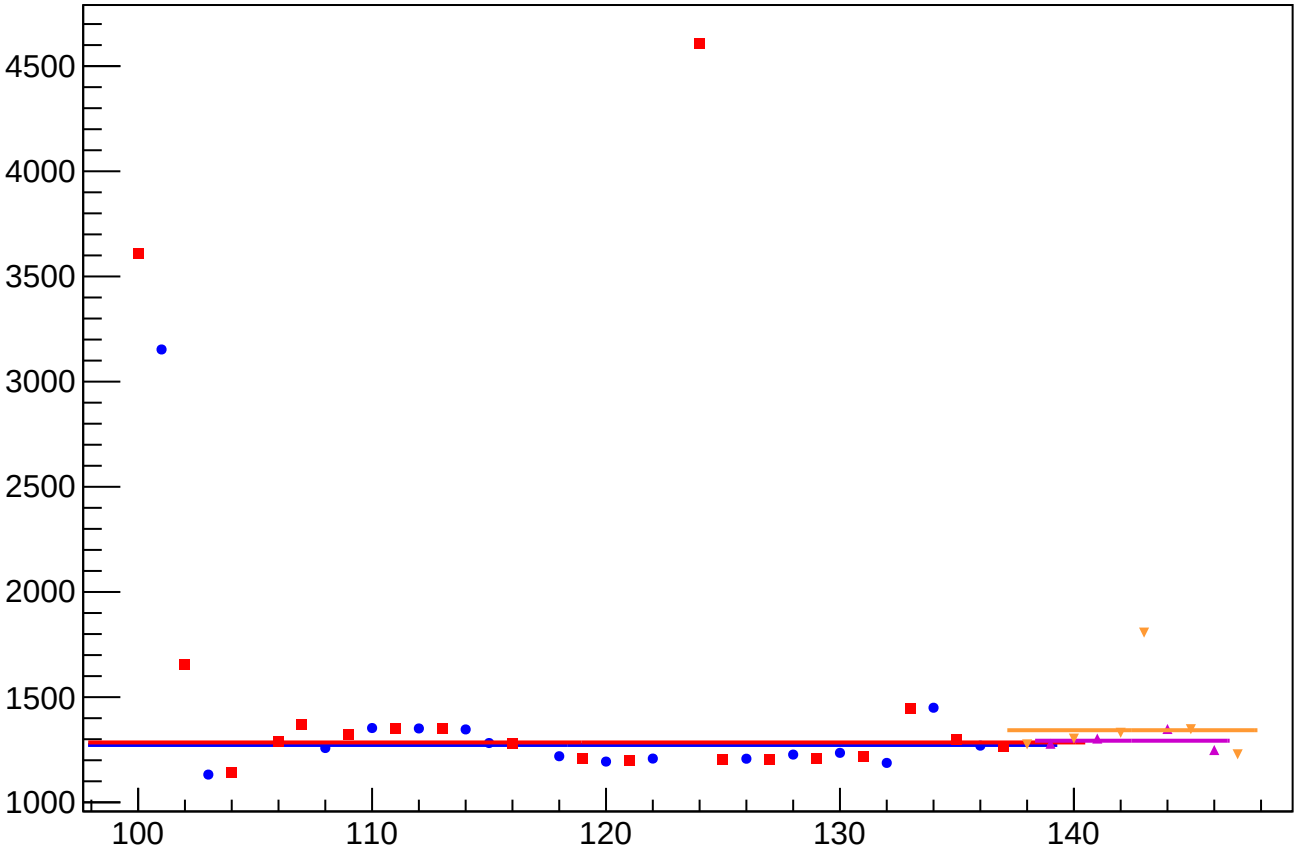
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 368.061+/-275.274 χ^2/NDF: 51.6/44

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

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: 1342.807+/-0.450 χ^2/NDF:128108.6/5

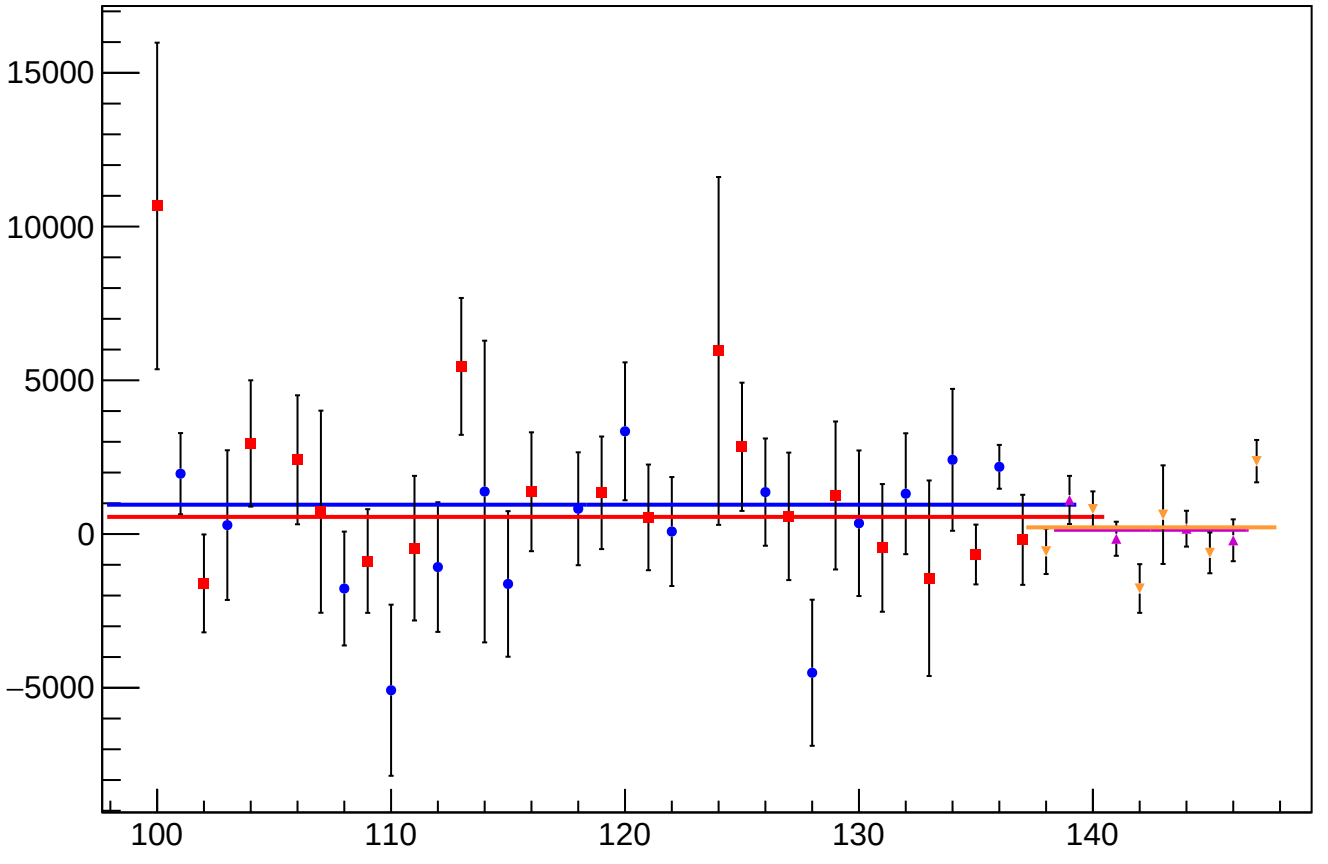
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

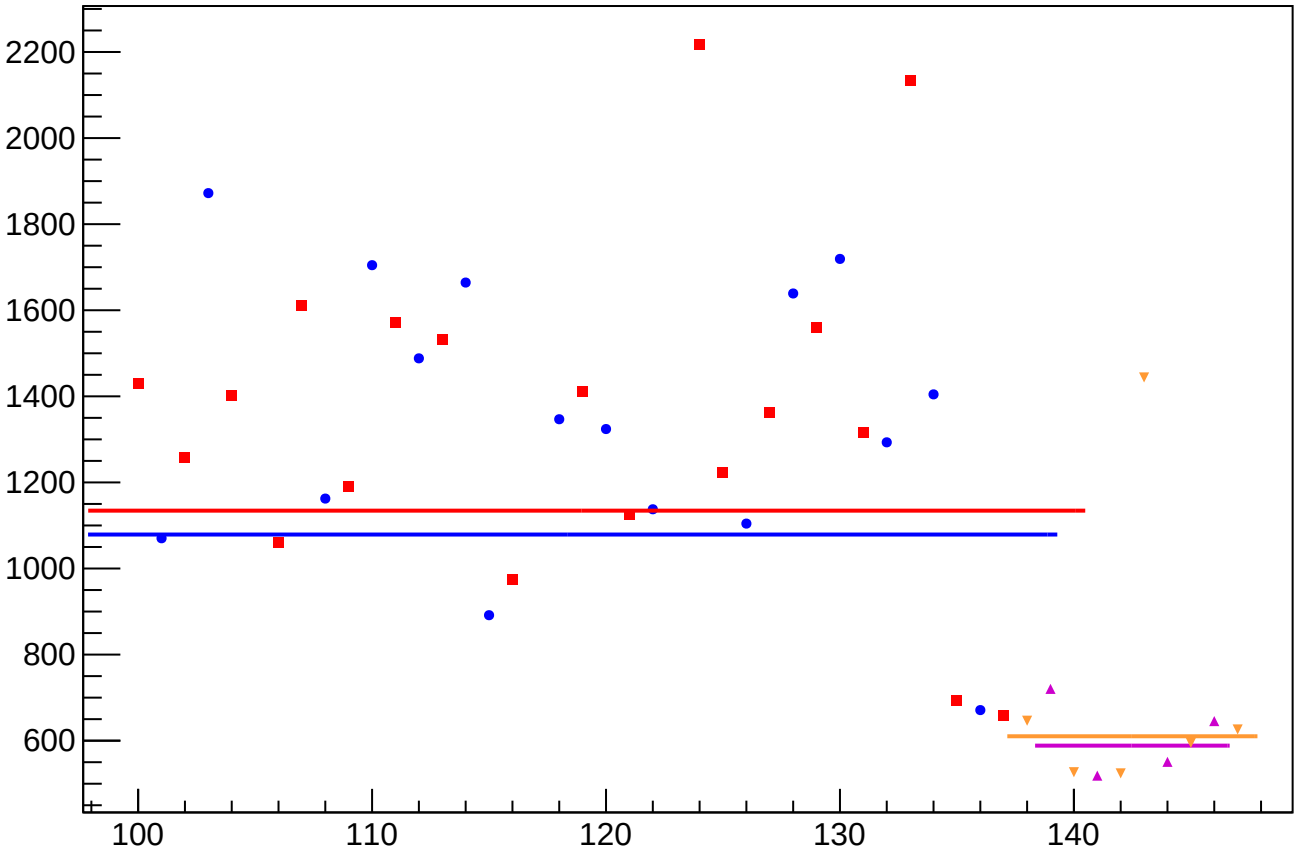
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 375.227+/-177.176 χ^2/NDF: 63.1/44

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

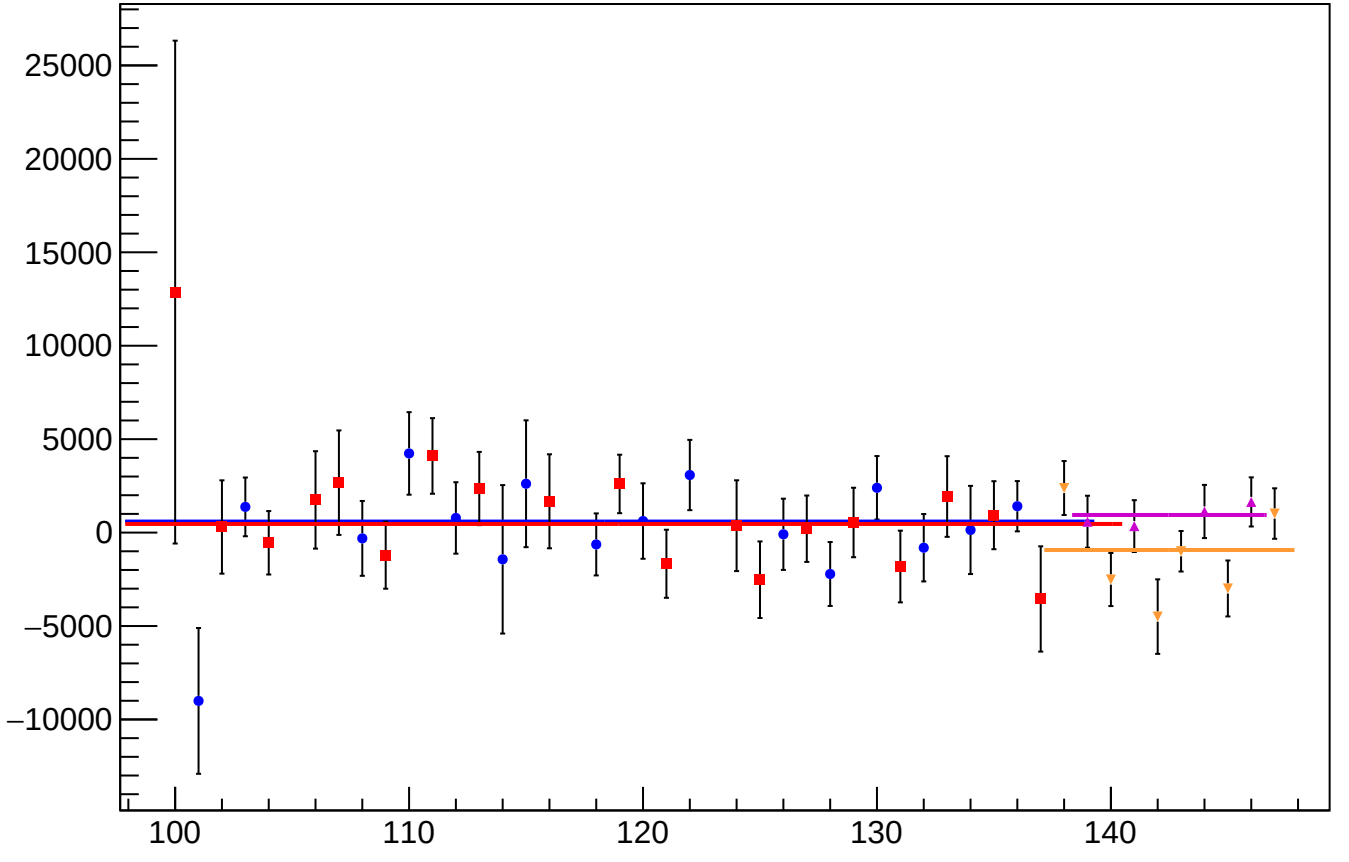
Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44

\- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.652+/-570.551 χ^2/NDF:13.7/5

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

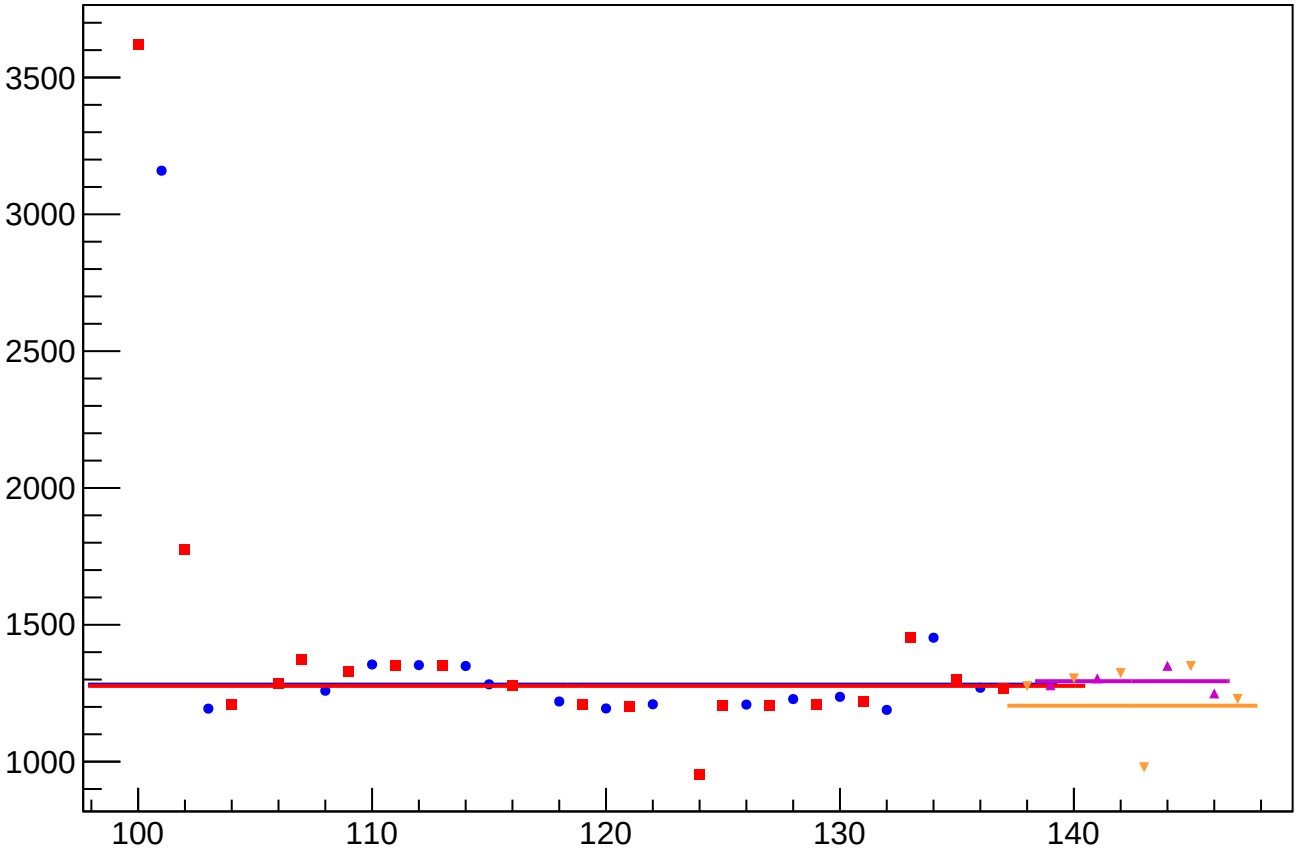
Left In: 942.900+/-688.596 χ^2/NDF:0.6/3

+ sign -48.434+/-369.744 χ^2/NDF: 34.9/21

All: 265.450+/-268.972 χ^2/NDF: 54.0/44

- sign 618.254+/-391.997 χ^2/NDF: 17.6/22

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

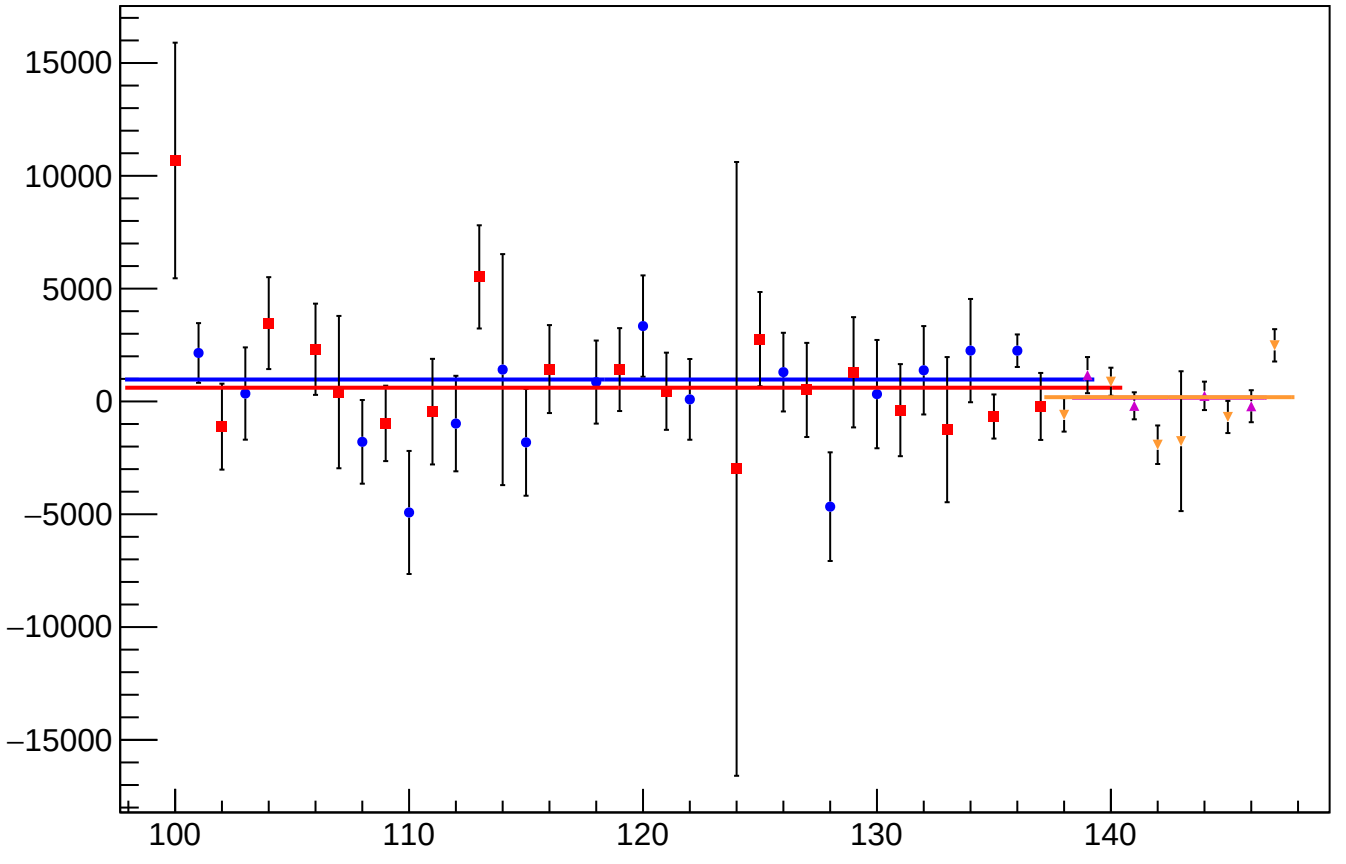
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1249.027+/-0.261 χ^2/NDF: 655676.5/21

All: 1264.738+/-0.190 χ^2/NDF: 890462.3/44

- sign 1282.397+/-0.277 χ^2/NDF: 227115.6/22



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

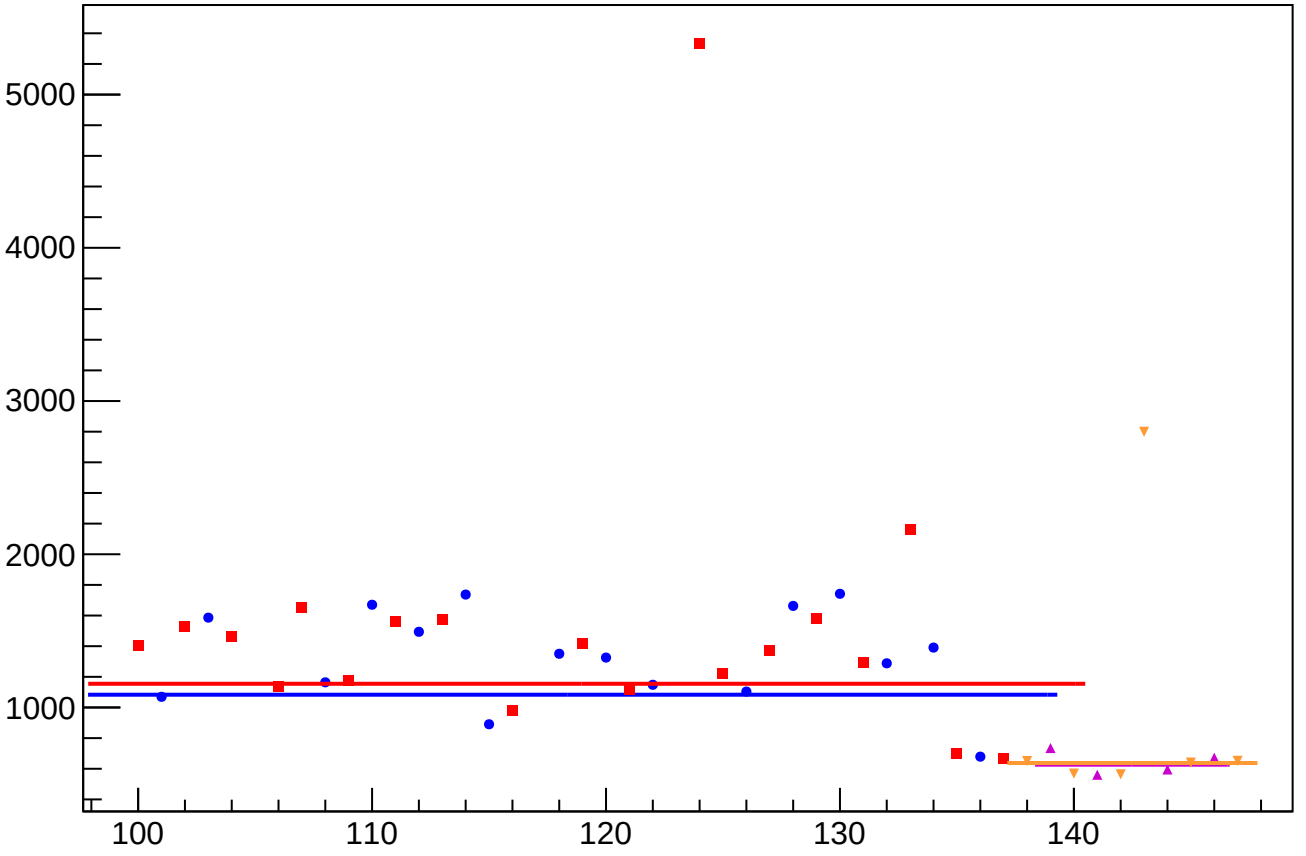
Left In: 167.395+/-335.989 χ^2/NDF:2.2/3

\+ sign 471.790+/-255.475 χ^2/NDF: 43.2/21

All: 402.715+/-185.159 χ^2/NDF: 63.3/44

\- sign 326.282+/-268.737 χ^2/NDF: 20.0/22

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: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

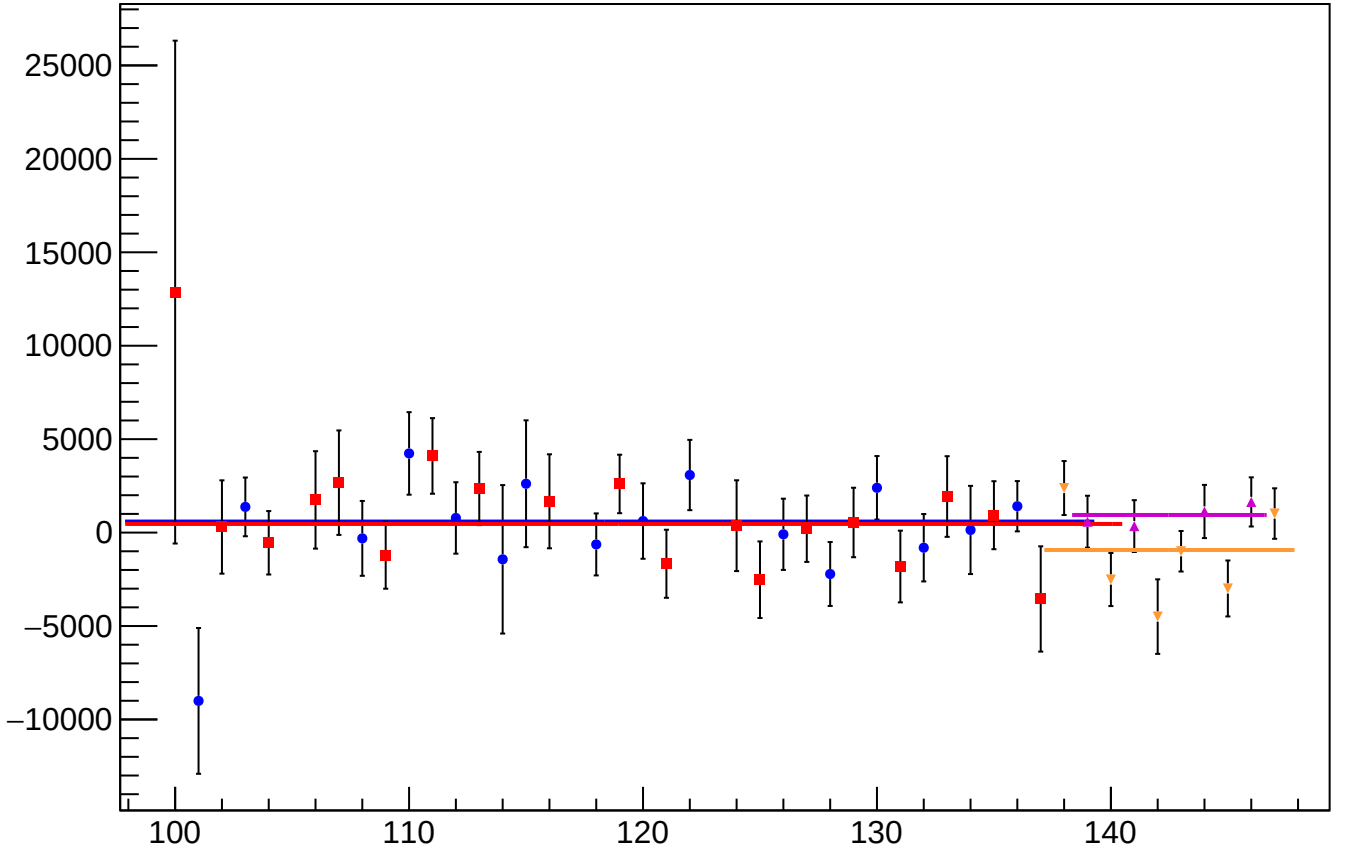
Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

+ sign 798.486+/-0.181 χ^2/NDF: 3779065.0/21

All: 807.187+/-0.131 χ^2/NDF: 7126929.9/44

- sign 816.816+/-0.190 χ^2/NDF: 3342977.4/22

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: -930.653+/-570.551 χ^2/NDF:13.7/5

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

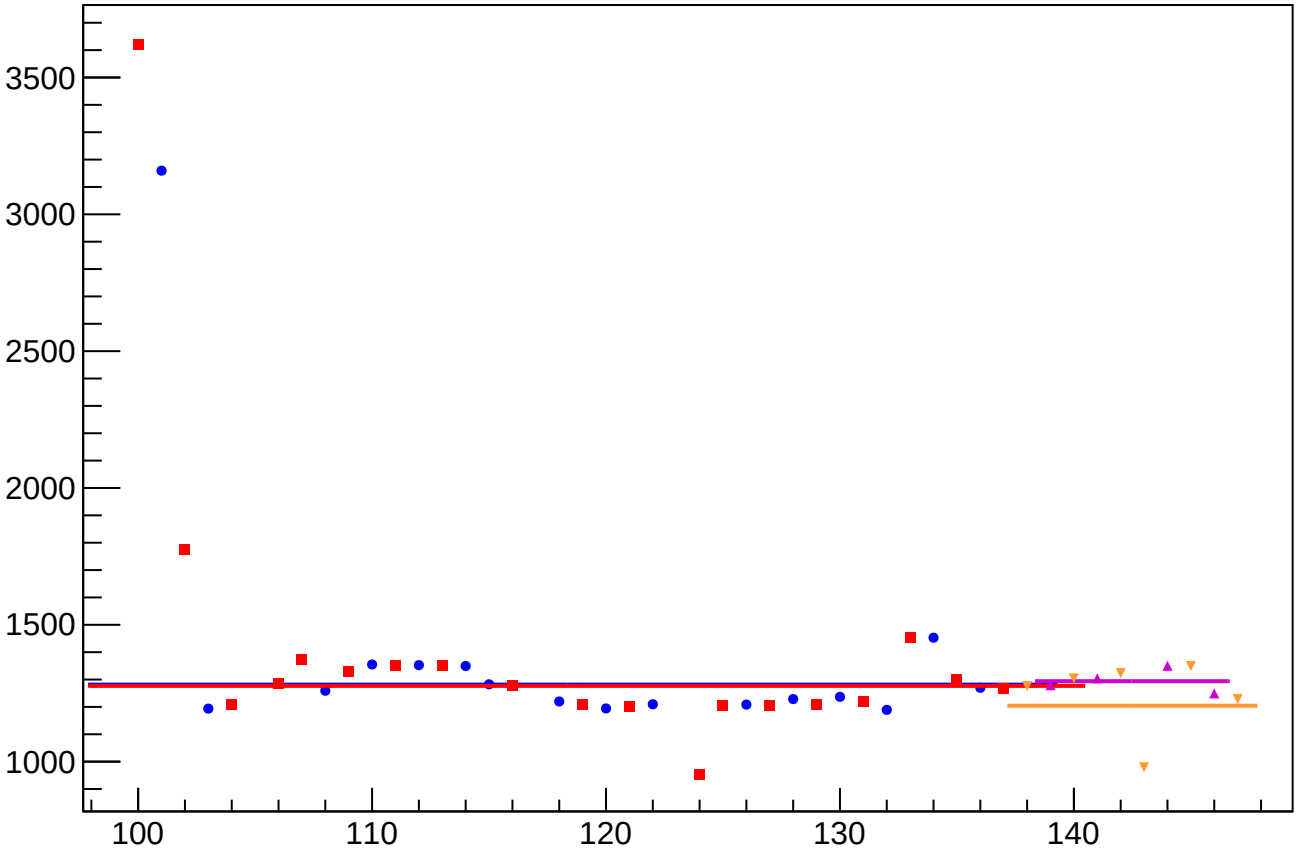
Left In: 942.907+/-688.596 χ^2/NDF:0.6/3

+ sign -48.433+/-369.744 χ^2/NDF: 34.9/21

All: 265.451+/-268.972 χ^2/NDF: 54.0/44

- sign 618.256+/-391.997 χ^2/NDF: 17.6/22

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: 1204.357+/-0.403 χ^2/NDF:127462.1/5

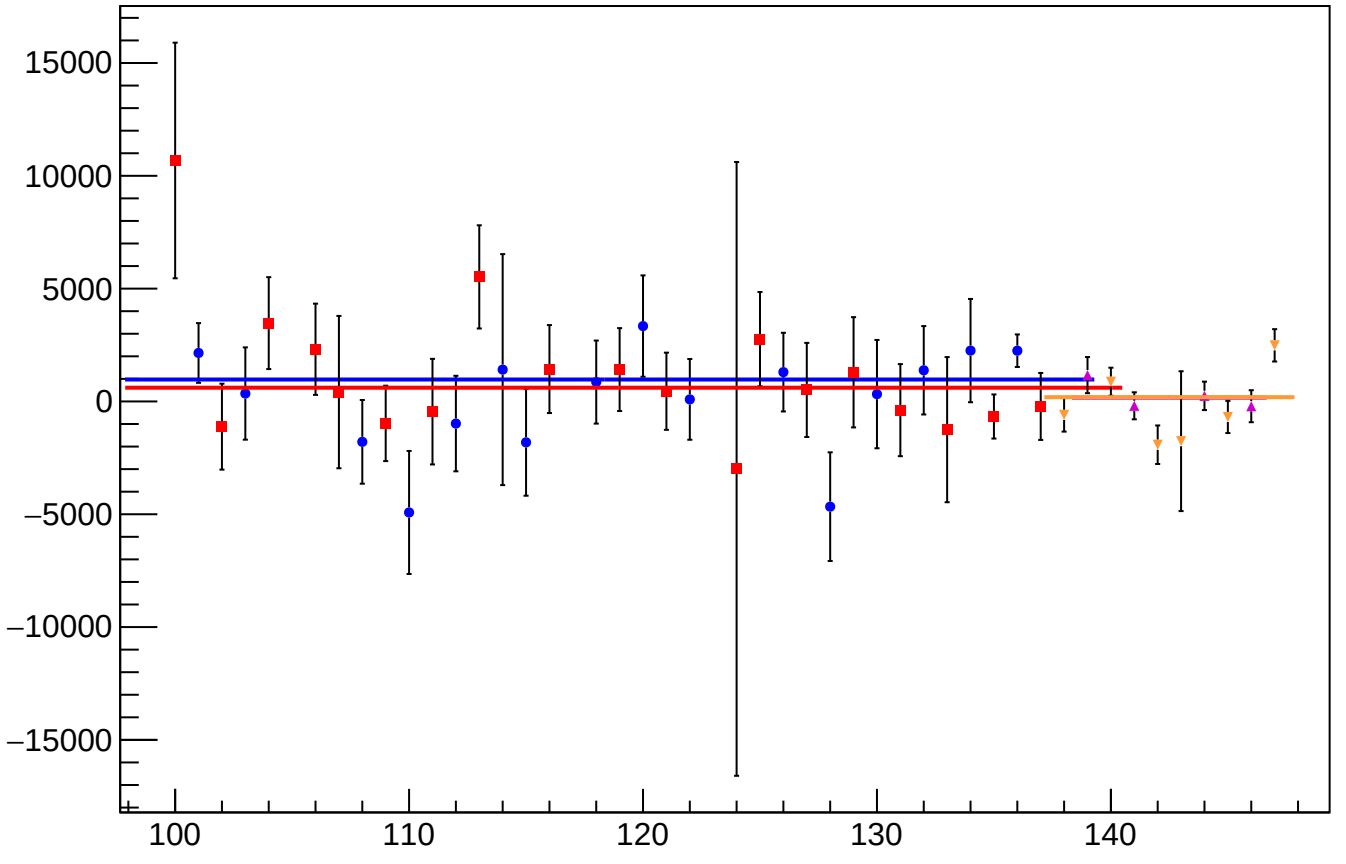
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1249.027+/-0.261 χ^2/NDF: 655675.8/21

All: 1264.738+/-0.190 χ^2/NDF: 890461.4/44

- sign 1282.397+/-0.277 χ^2/NDF: 227115.5/22



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

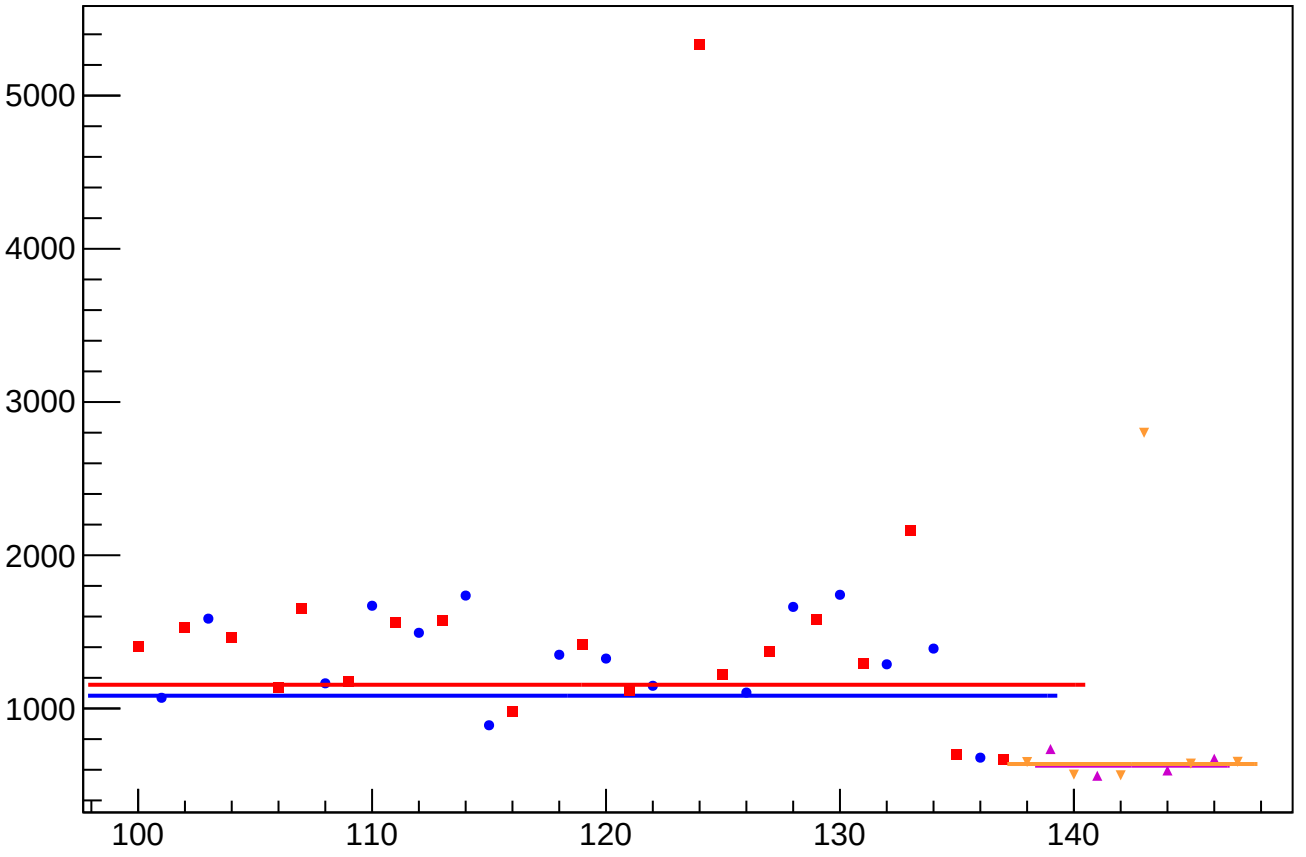
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 167.394+/-335.989 χ^2/NDF:2.2/3

\+ sign 471.790+/-255.476 χ^2/NDF: 43.2/21

All: 402.715+/-185.160 χ^2/NDF: 63.3/44

\- sign 326.284+/-268.737 χ^2/NDF: 20.0/22



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

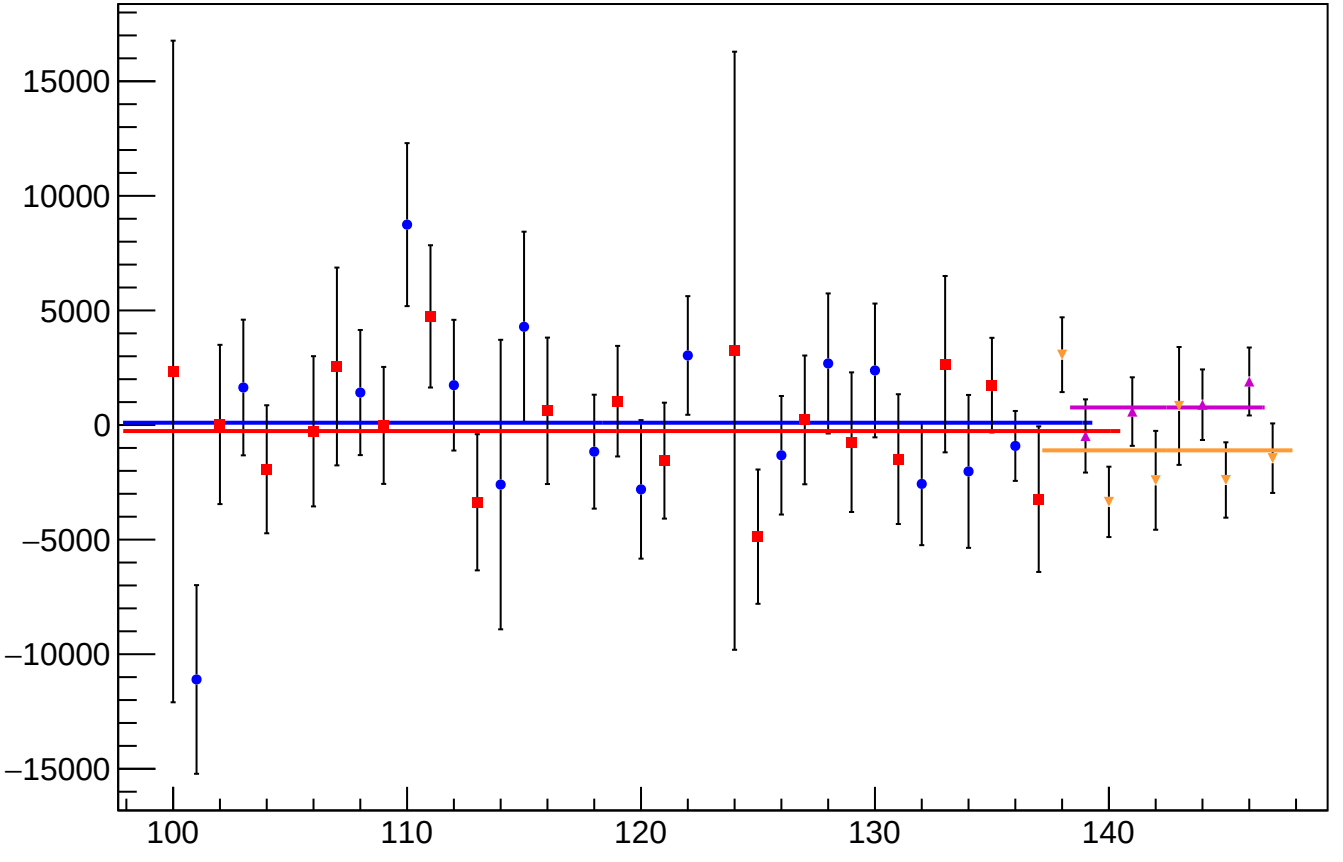
Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

\+ sign 798.490+/-0.181 χ^2/NDF: 3779017.9/21

All: 807.190+/-0.131 χ^2/NDF: 7126871.1/44

\- sign 816.817+/-0.190 χ^2/NDF: 3342967.0/22

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

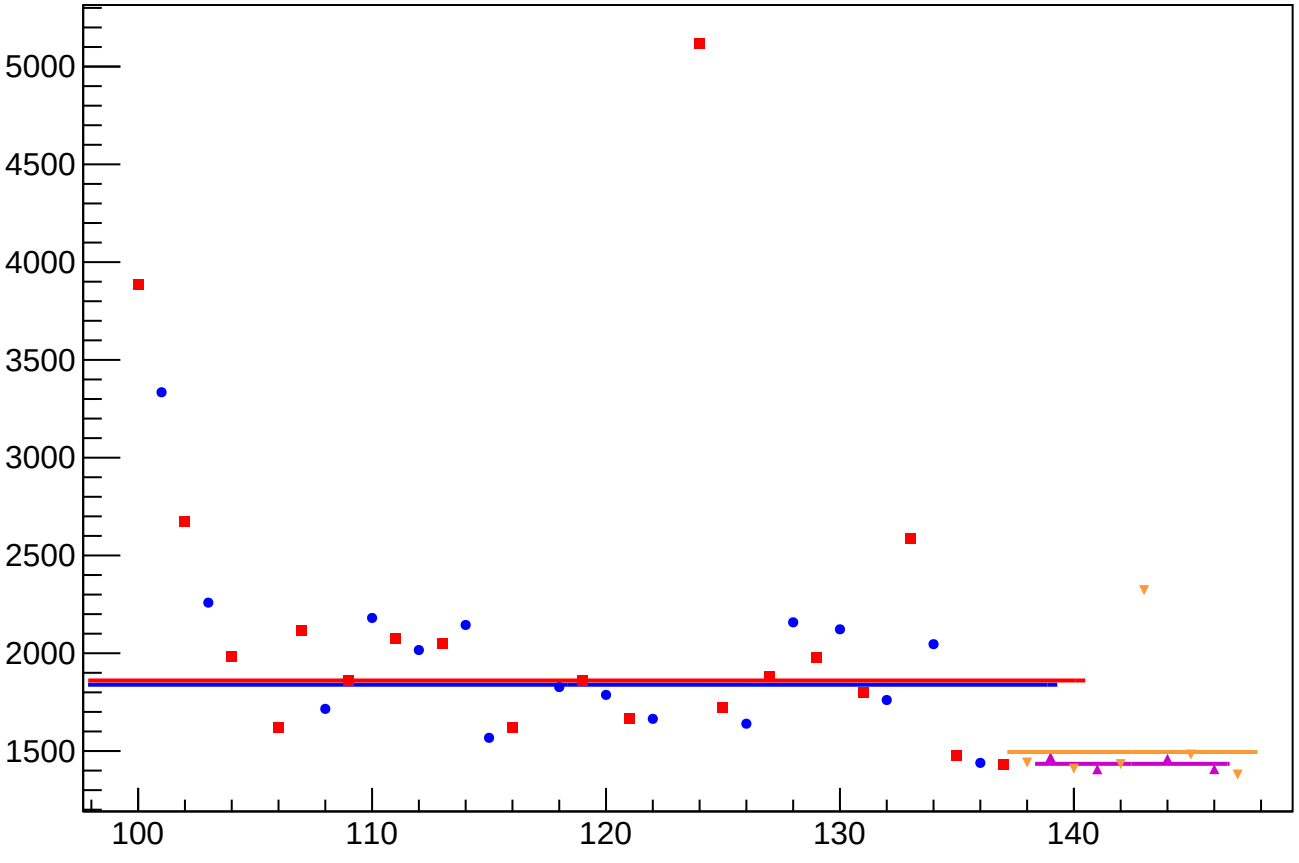
Left In: 765.959+/-763.330 χ^2/NDF:1.2/3

+ sign -490.920+/-498.912 χ^2/NDF: 33.0/21

All: -153.586+/-358.607 χ^2/NDF: 46.5/44

- sign 206.976+/-515.803 χ^2/NDF: 12.5/22

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1495.063+/-0.504 χ^2/NDF:228726.4/5

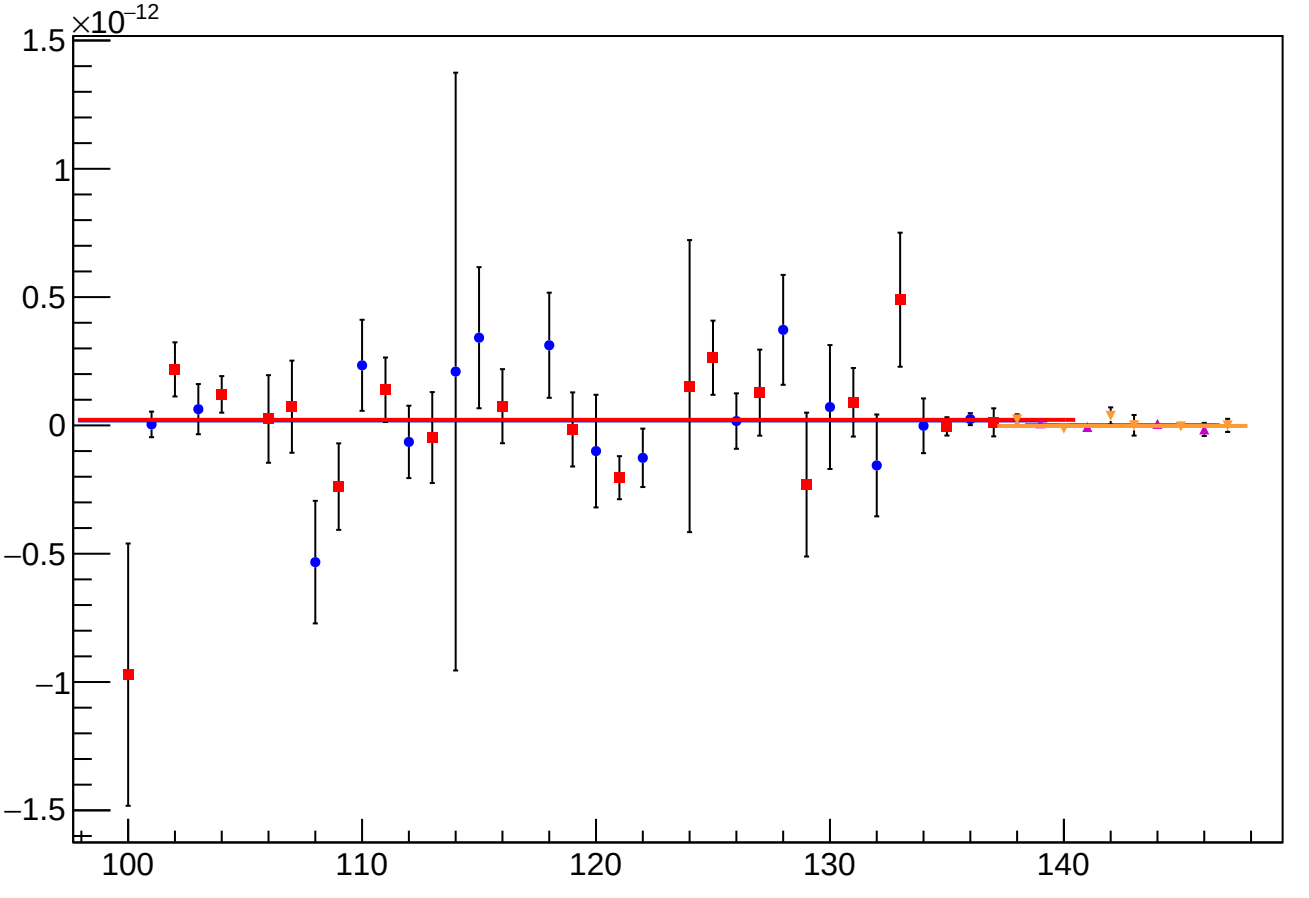
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

+ sign 1670.345+/-0.353 χ^2/NDF: 1023142.2/21

All: 1668.316+/-0.254 χ^2/NDF: 1887001.8/44

- sign 1666.147+/-0.365 χ^2/NDF: 863791.2/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

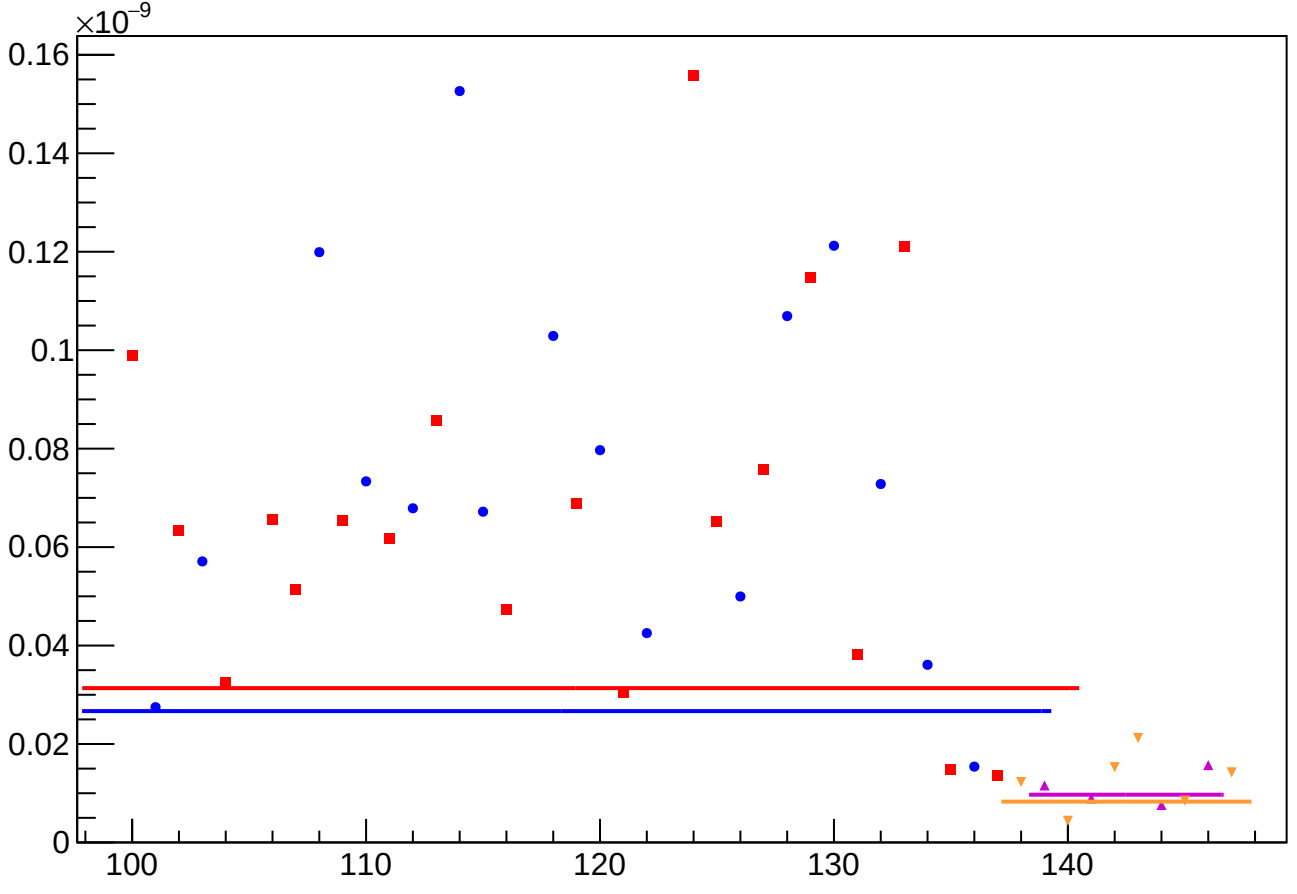
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 51.5/44

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

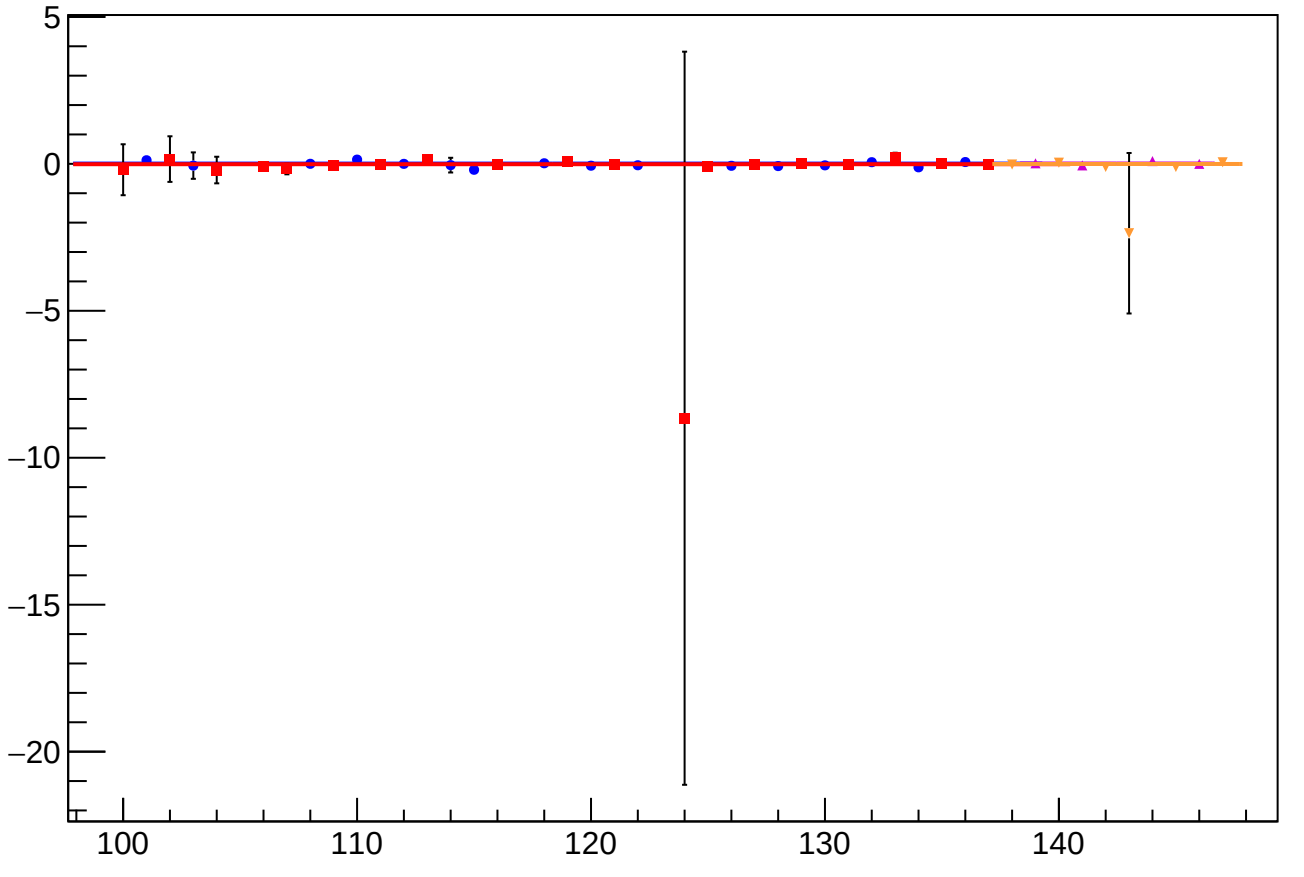
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4988047.5/21

All: 0.000+/-0.000 χ^2/NDF: 9148412.7/44

- sign 0.000+/-0.000 χ^2/NDF: 4105340.7/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

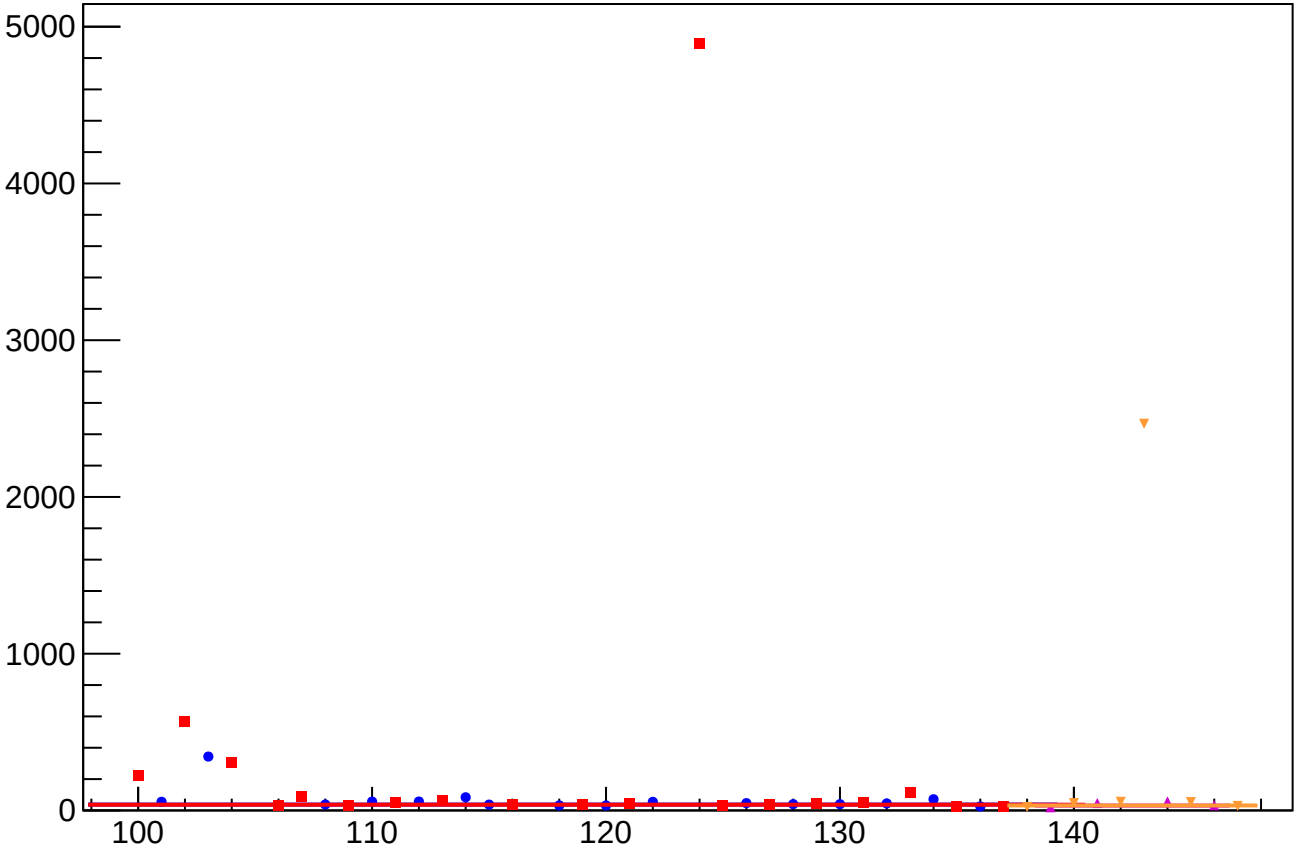
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

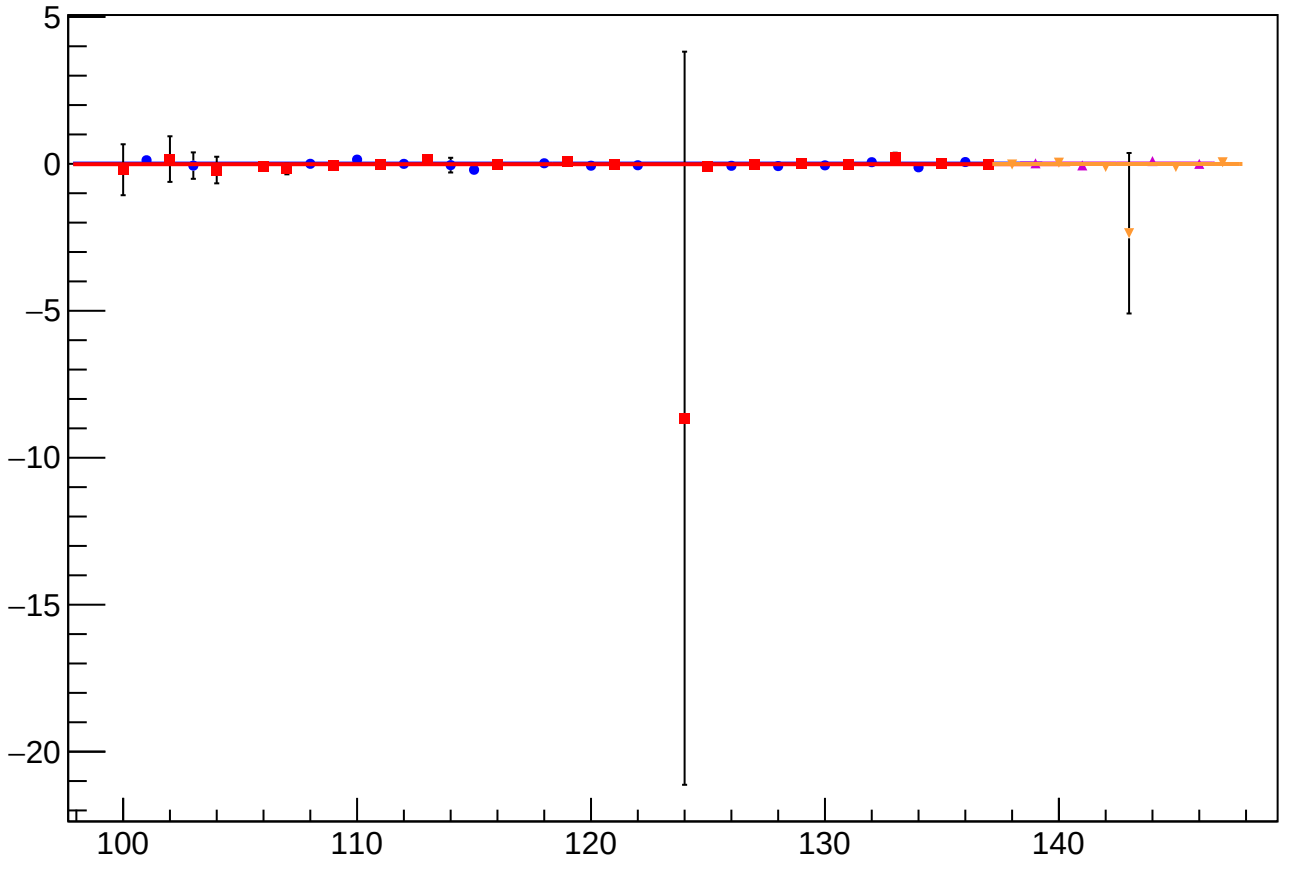
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

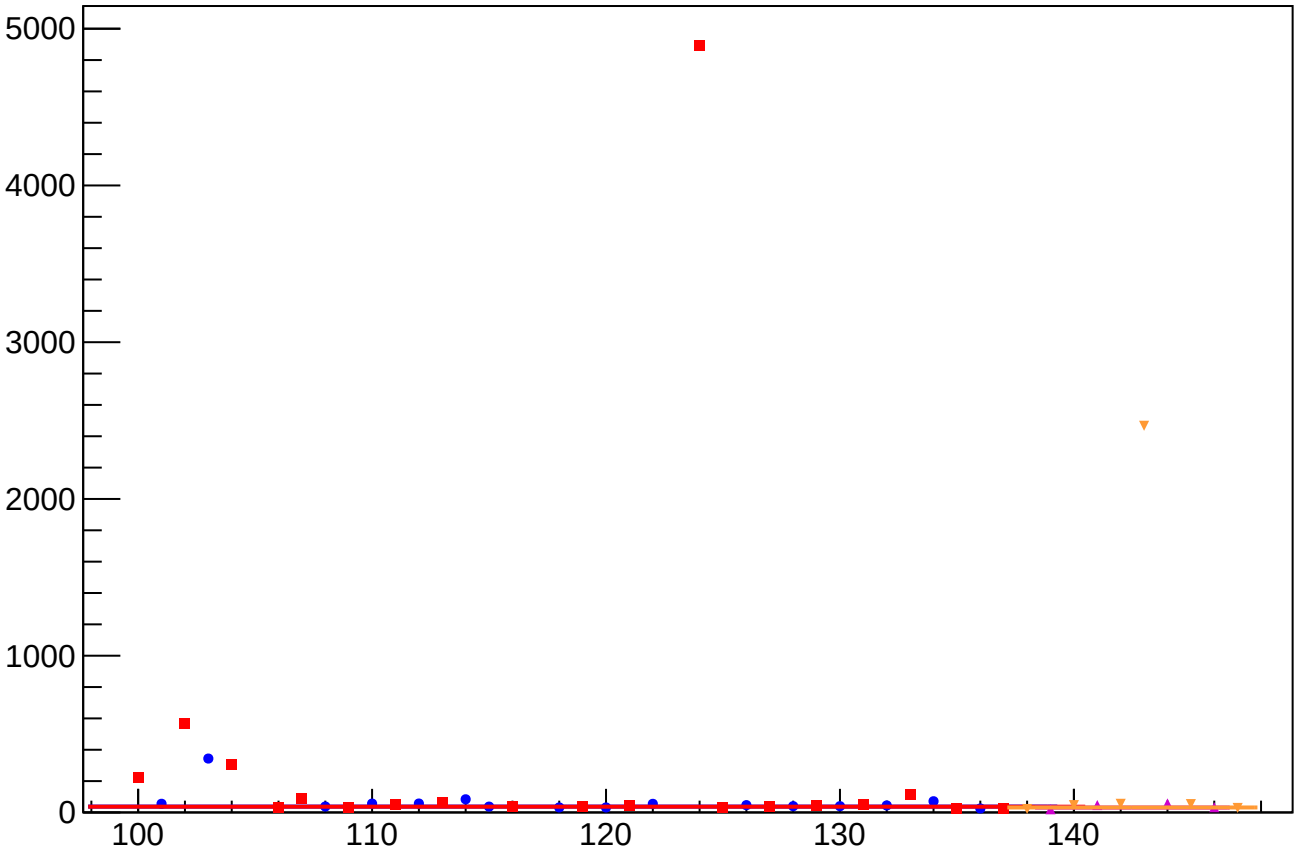
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 31.782+/-0.013 χ^2/NDF:2393922.2/5

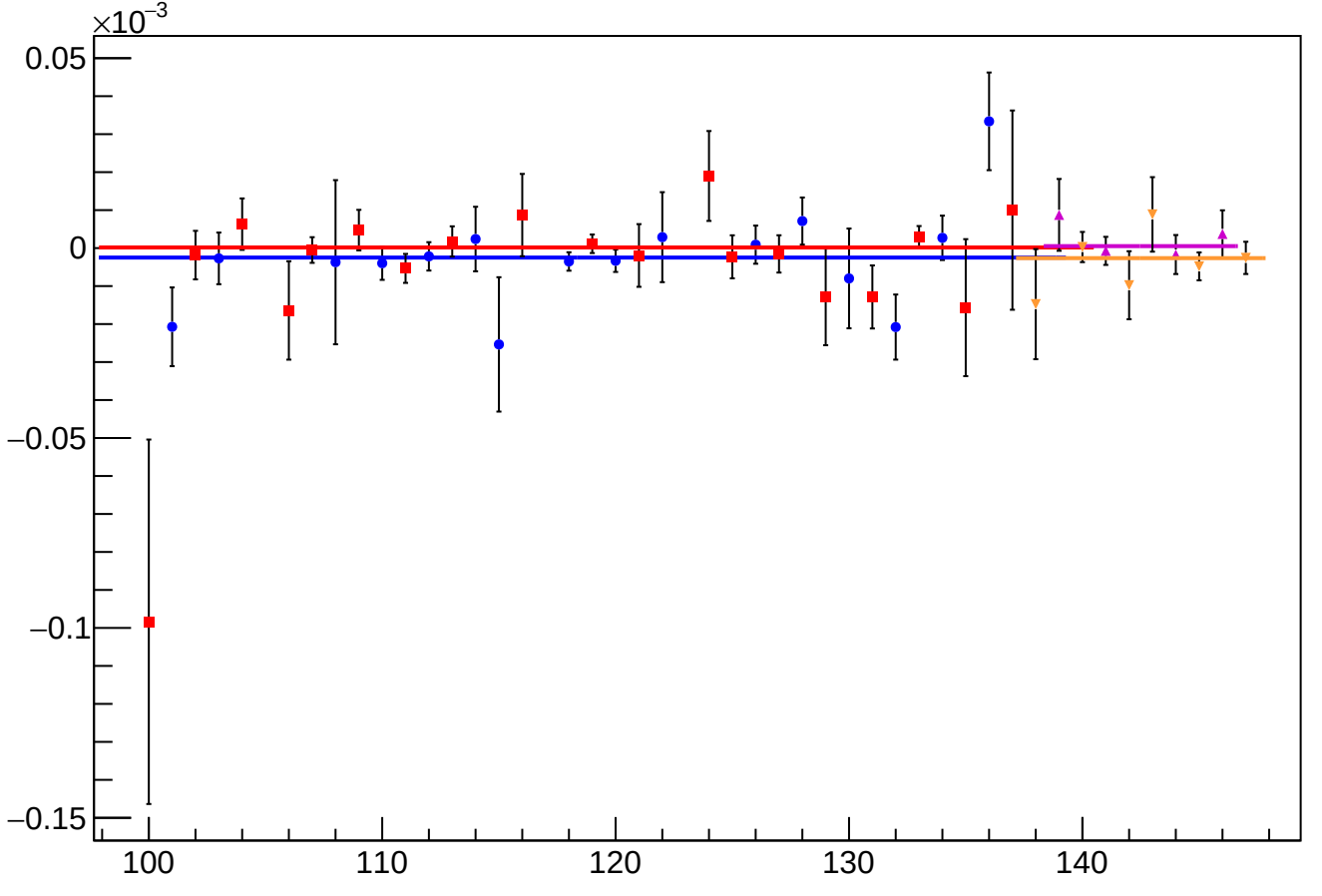
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

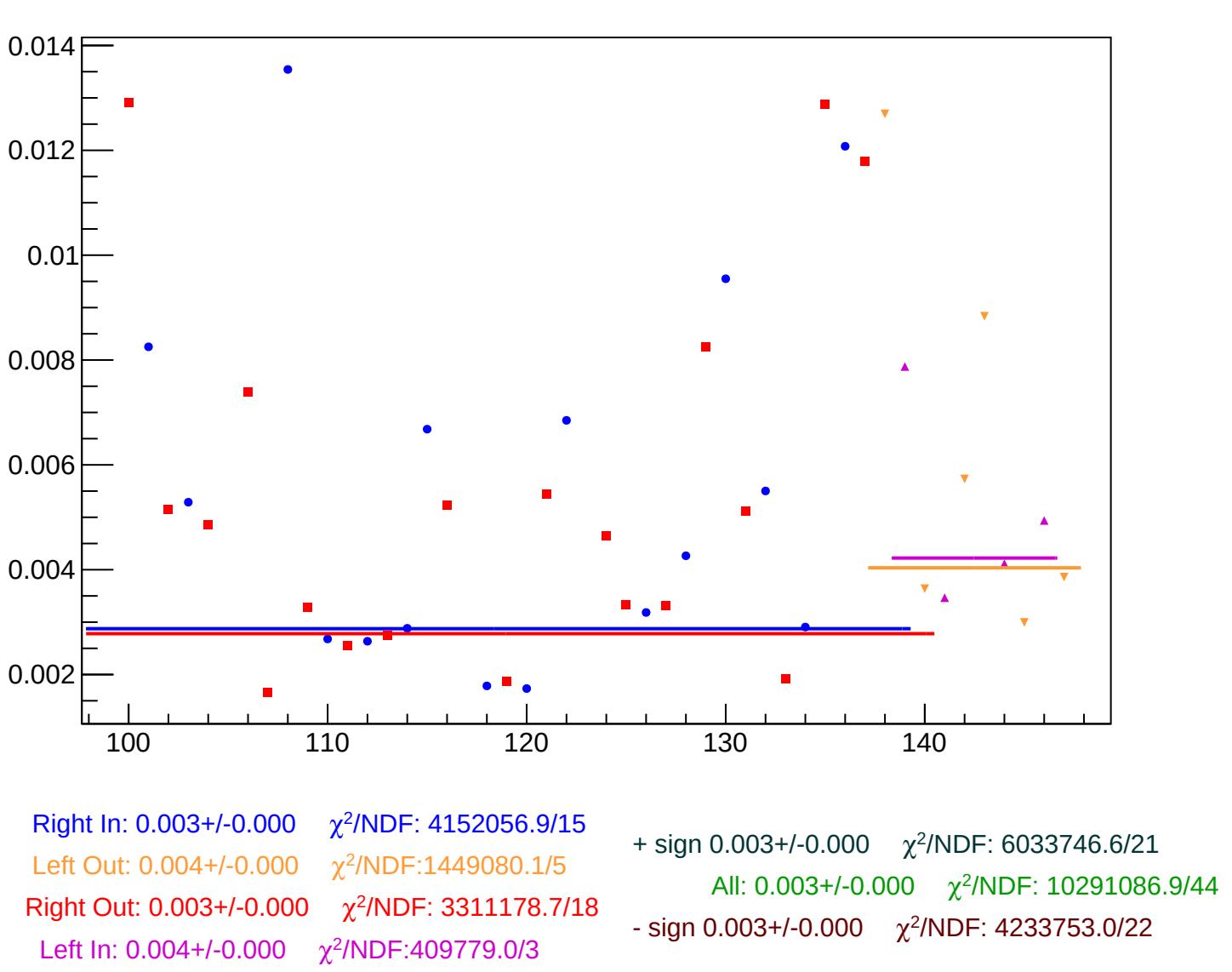
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

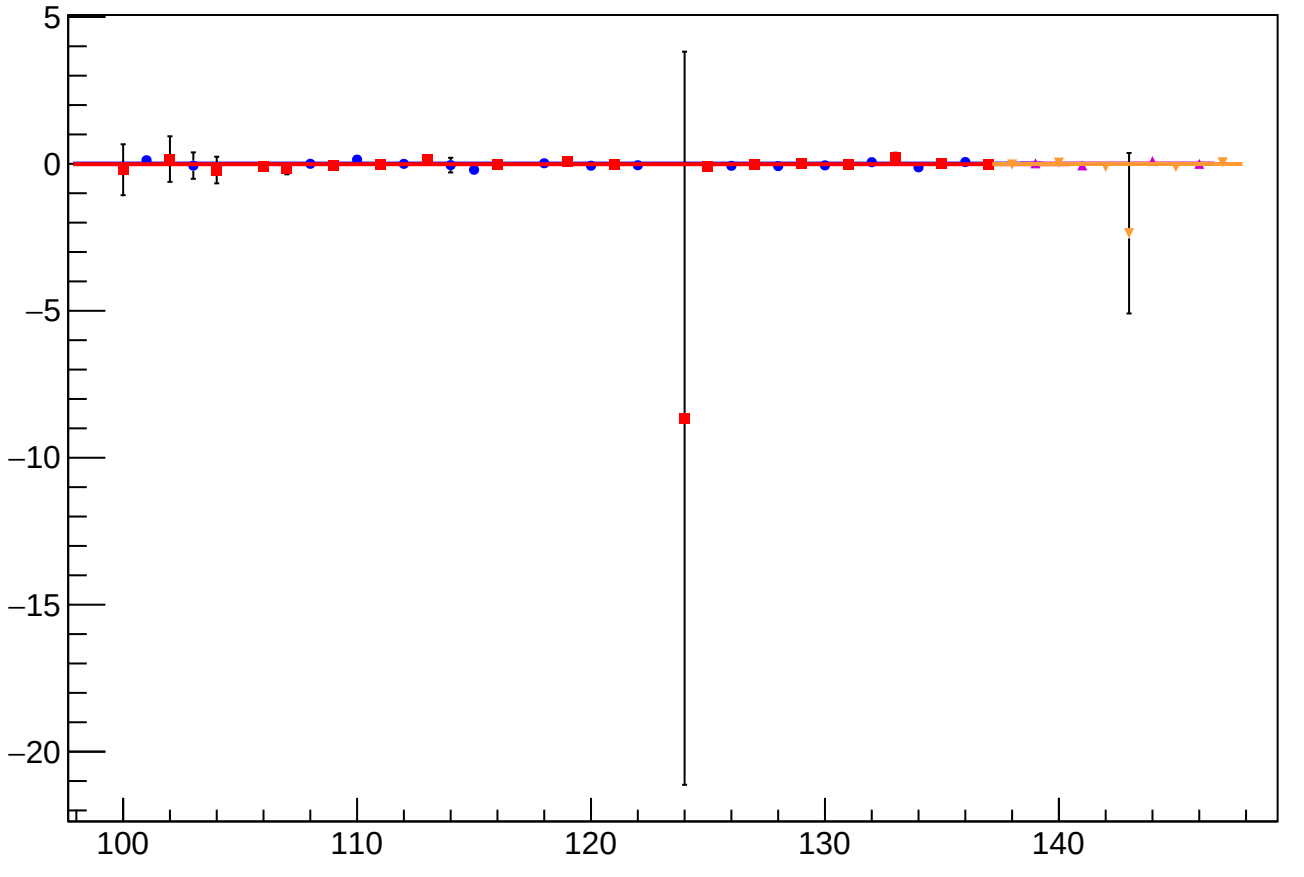
Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/21

All: -0.000+/-0.000 χ^2/NDF: 48.8/44

- sign 0.000+/-0.000 χ^2/NDF: 20.2/22


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
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1449080.1/5
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:409779.0/3
+ sign 0.003+/-0.000 χ²/NDF: 6033746.6/21
All: 0.003+/-0.000 χ²/NDF: 10291086.9/44
- sign 0.003+/-0.000 χ²/NDF: 4233753.0/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

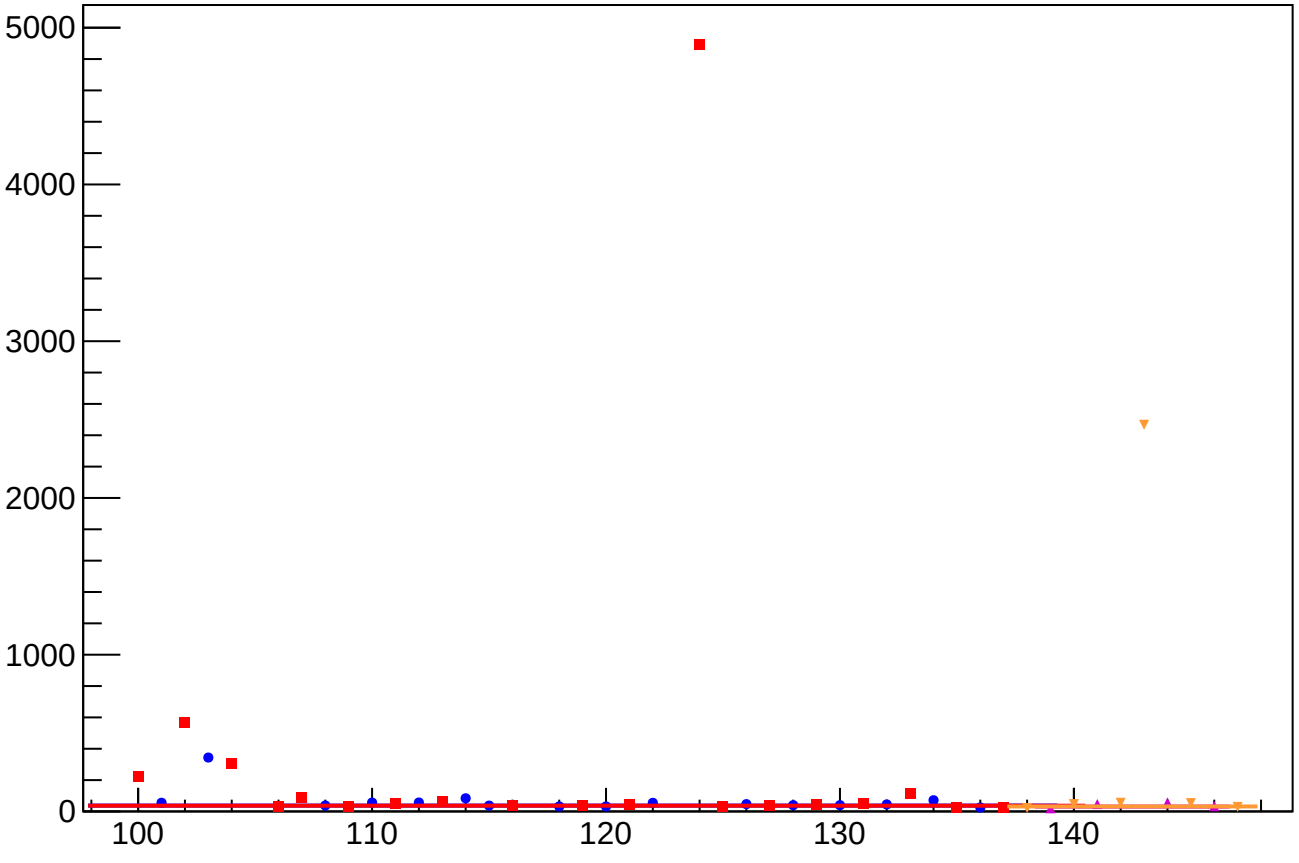
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 31.779+/-0.013 χ^2/NDF:2394231.8/5

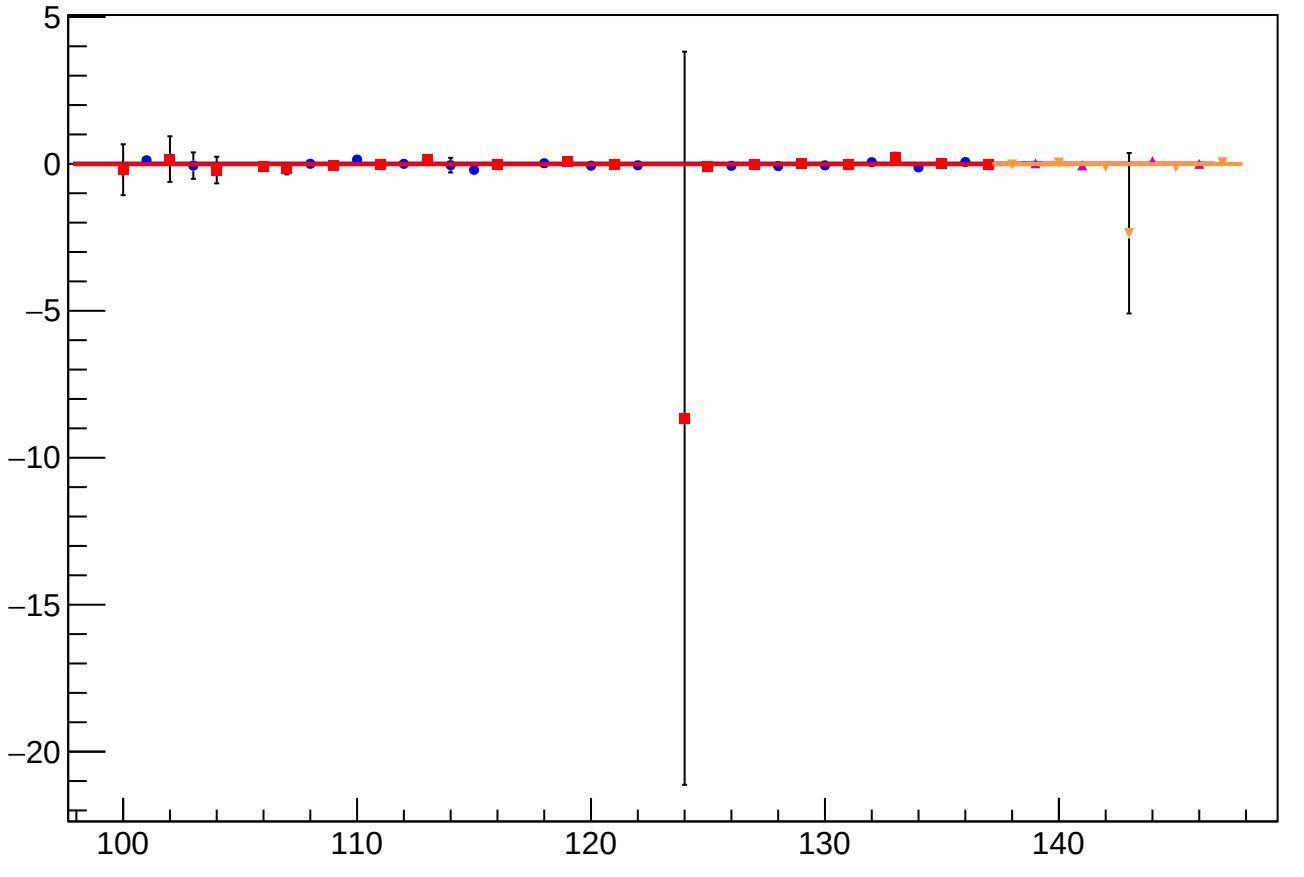
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

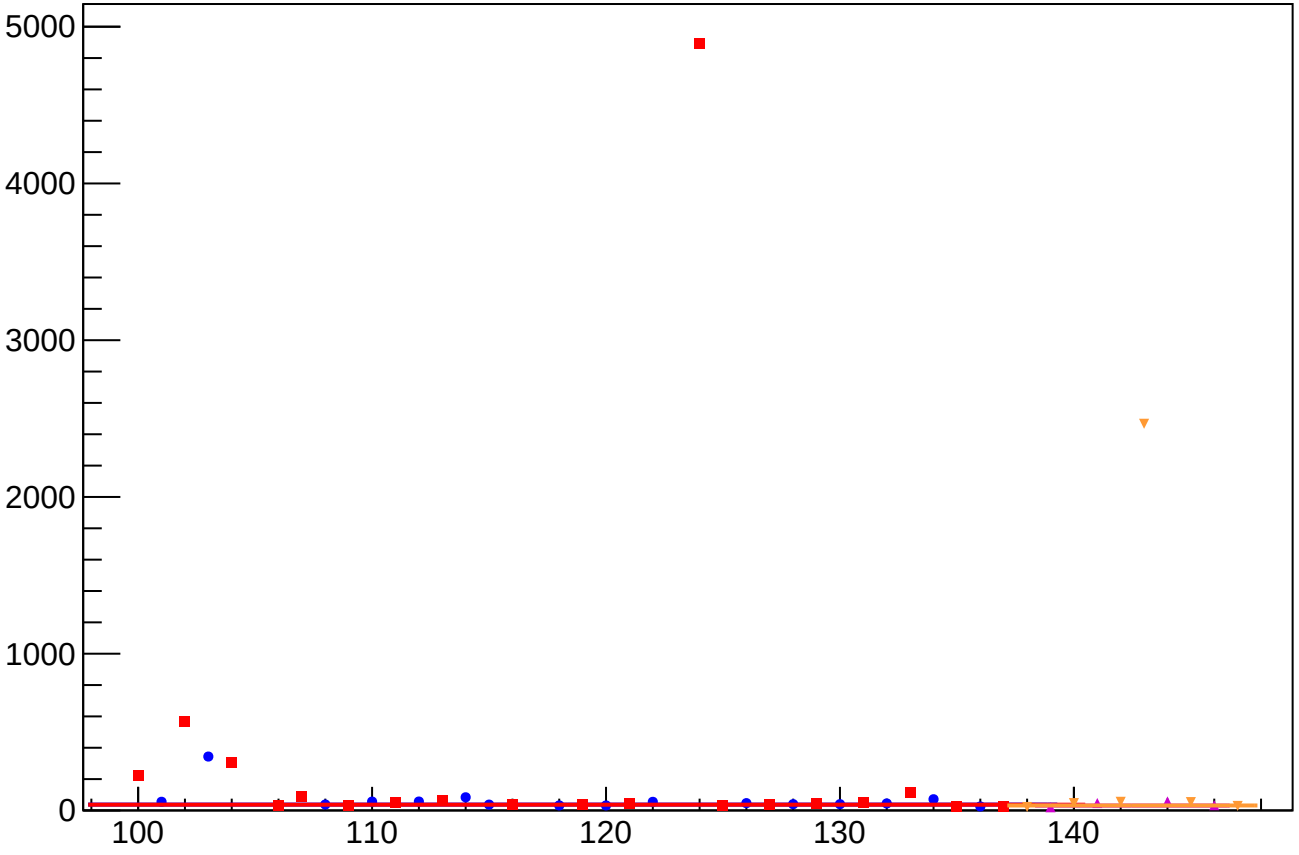
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.000+/-0.009 χ^2/NDF: 45.2/44

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

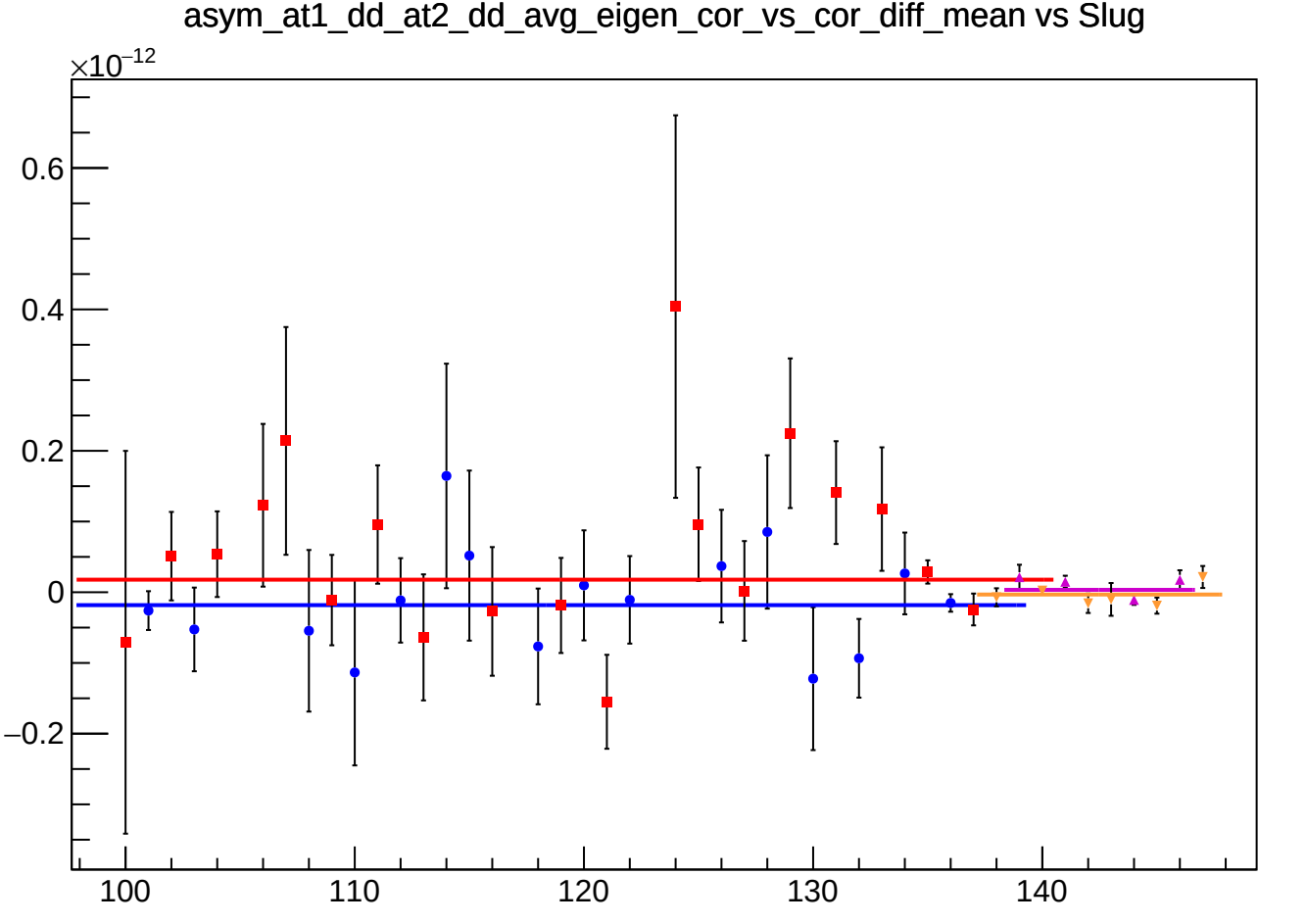
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

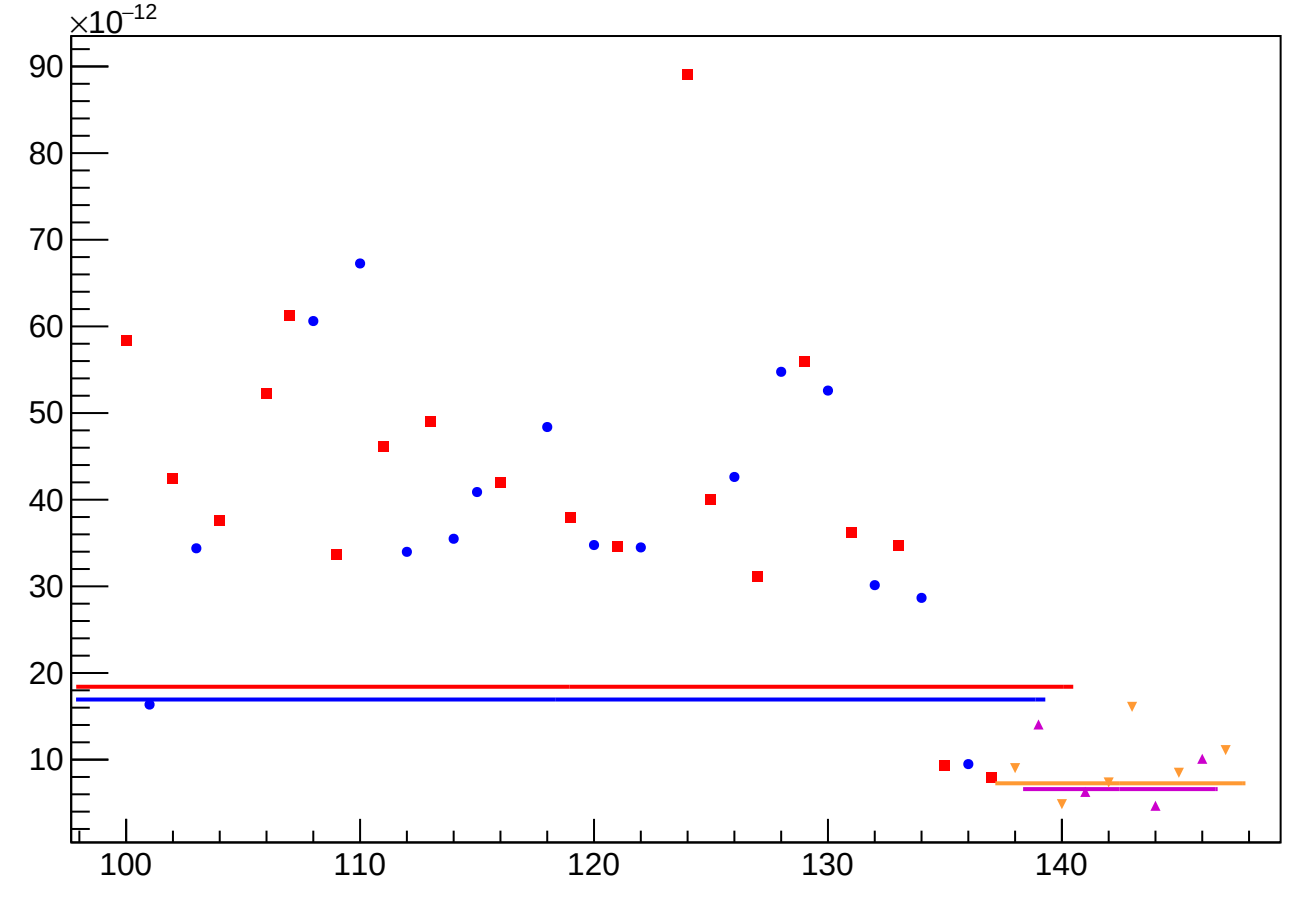
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/21

All: -0.000+/-0.000 χ^2/NDF: 56.6/44

- sign 0.000+/-0.000 χ^2/NDF: 36.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:726701.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

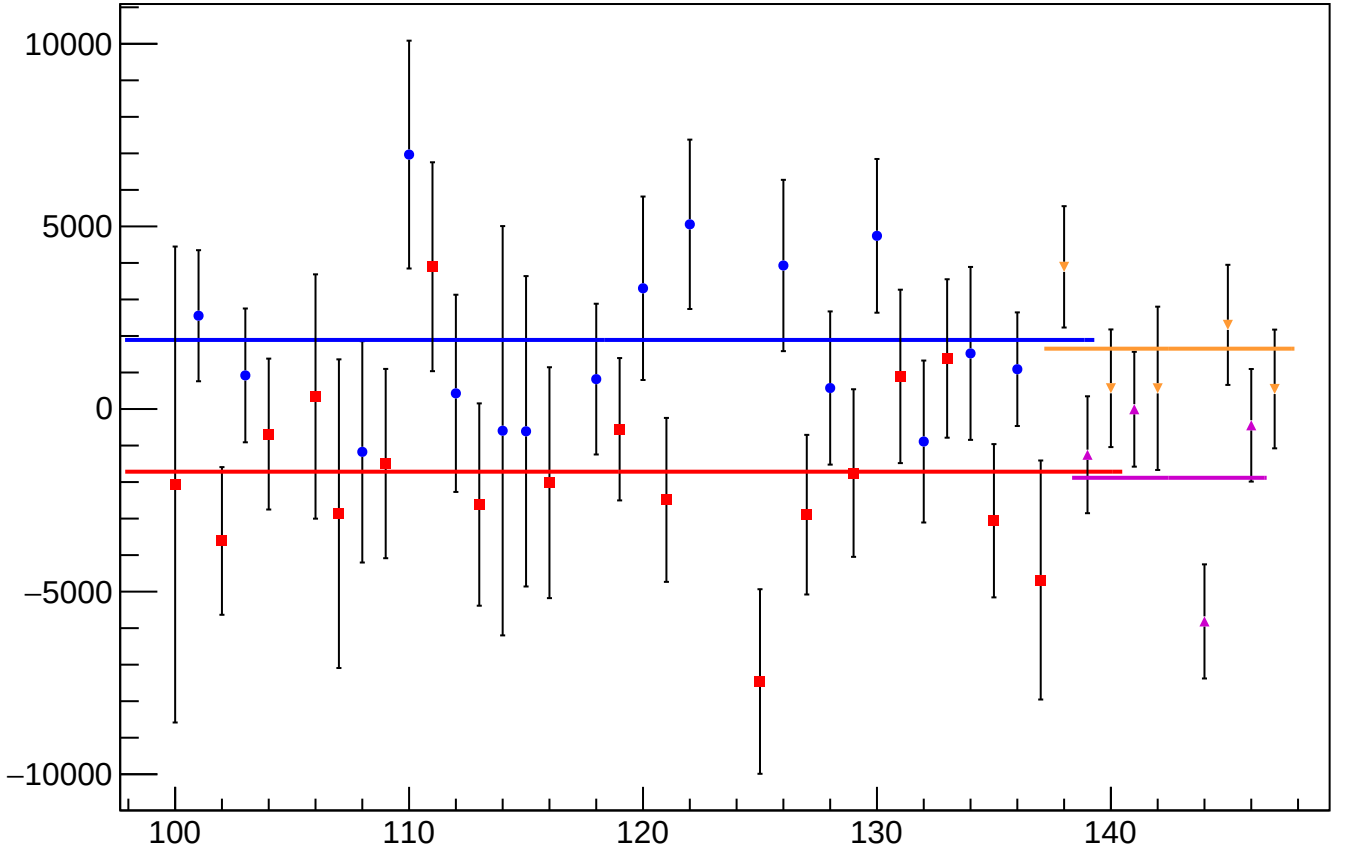
Left In: 0.000+/-0.000 χ^2/NDF:646217.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5499232.5/21

All: 0.000+/-0.000 χ^2/NDF: 11746285.6/44

- sign 0.000+/-0.000 χ^2/NDF: 6235035.7/22

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.430+/-767.860 χ^2/NDF:3.1/4

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

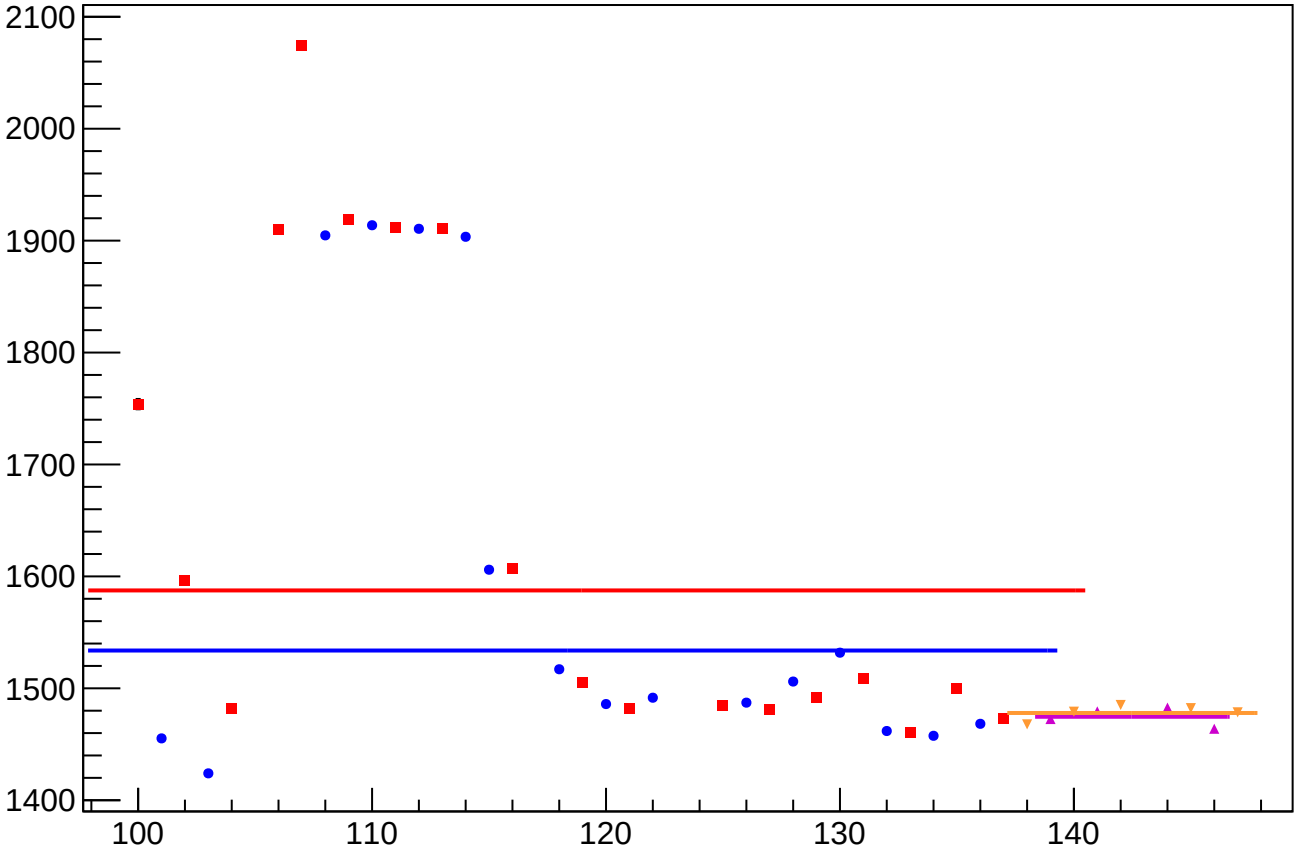
Left In: -1882.979+/-784.400 χ^2/NDF:8.8/3

+ sign 1806.107+/-458.840 χ^2/NDF: 15.4/20

All: 62.784+/-328.753 χ^2/NDF: 69.9/42

- sign -1776.214+/-471.263 χ^2/NDF: 24.8/21

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

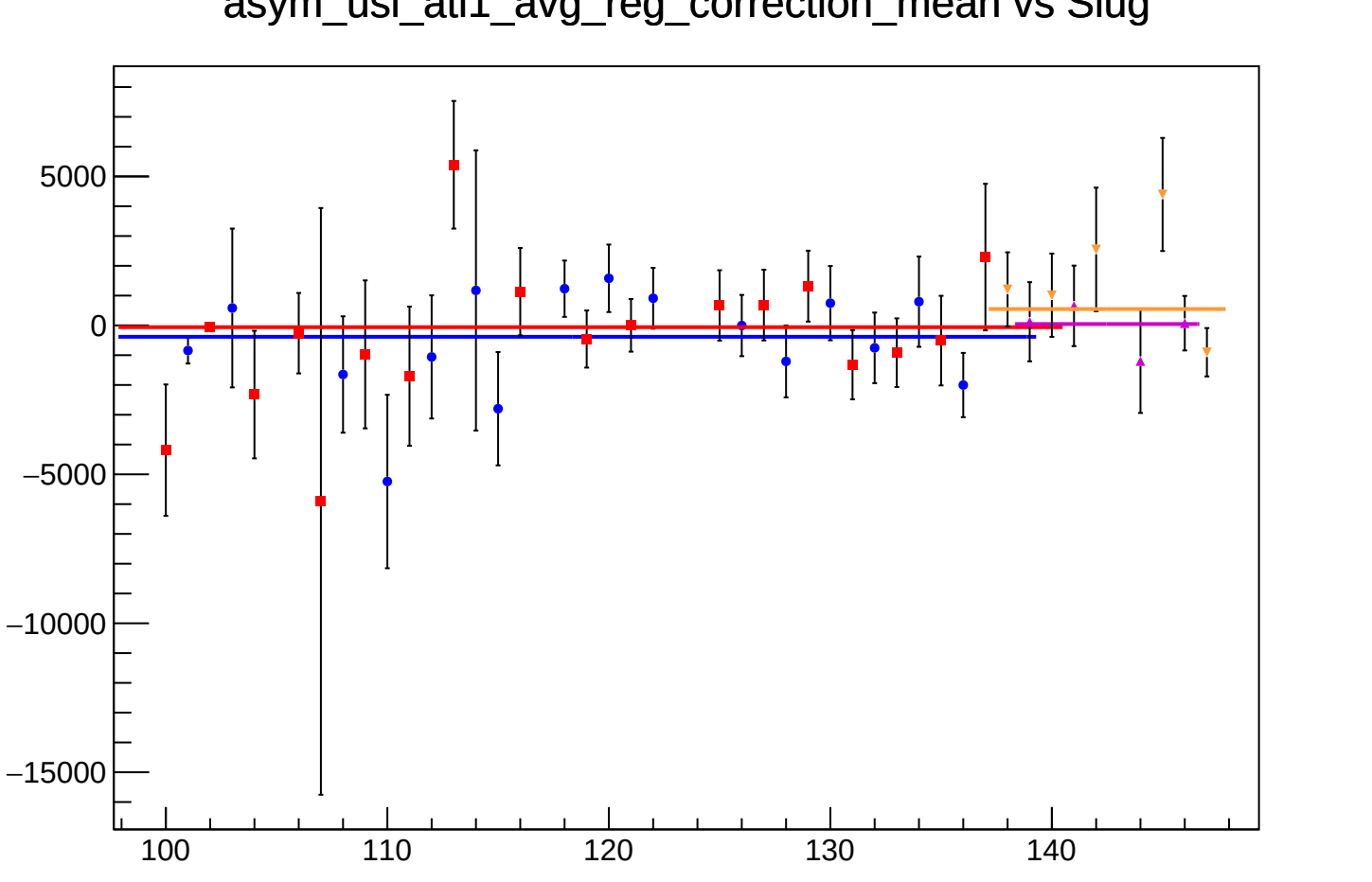
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1513.845+/-0.324 χ^2/NDF: 136173.4/20

All: 1529.843+/-0.232 χ^2/NDF: 339795.9/42

- sign 1546.719+/-0.333 χ^2/NDF: 198626.4/21



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.673+/-560.308 χ^2/NDF:8.6/4

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

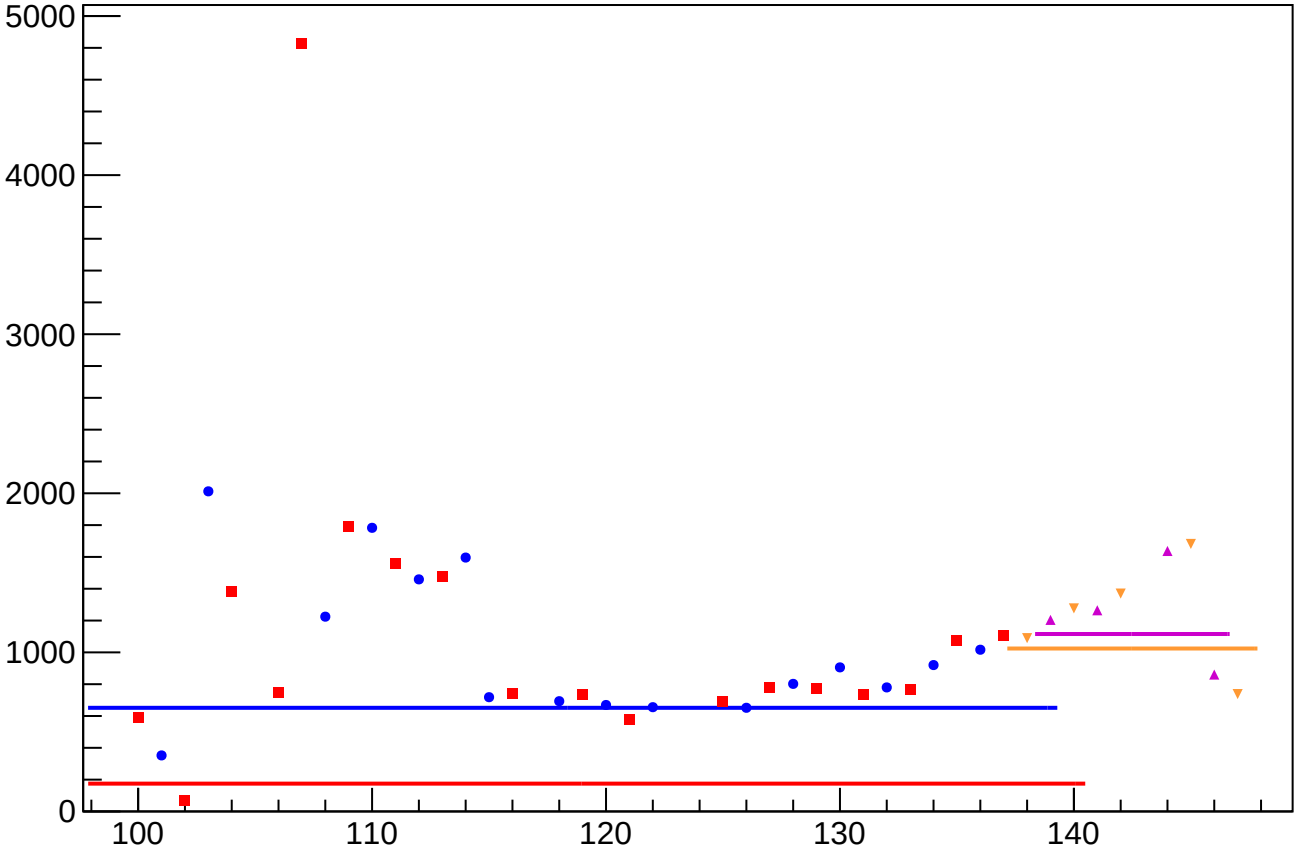
Left In: 45.604+/-615.732 χ^2/NDF:0.7/3

+ sign -204.923+/-244.844 χ^2/NDF: 29.1/20

All: -86.501+/-111.359 χ^2/NDF: 47.9/42

- sign -55.617+/-125.040 χ^2/NDF: 18.5/21

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1024.246+/-0.396 χ^2/NDF:614654.7/4

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

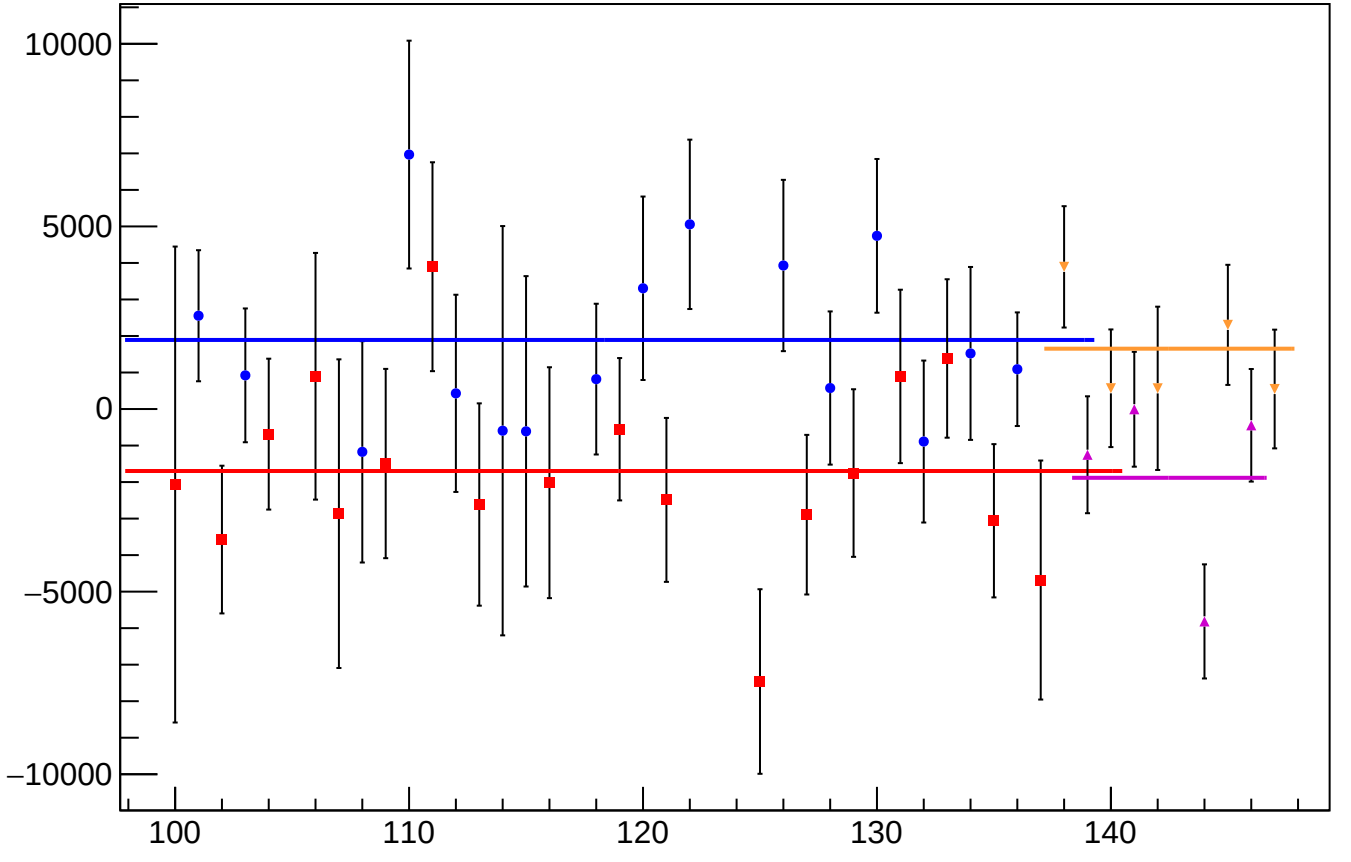
Left In: 1115.453+/-0.435 χ^2/NDF:368370.5/3

+ sign 722.695+/-0.173 χ^2/NDF: 4093327.2/20

All: 318.978+/-0.079 χ^2/NDF: 25552968.3/42

- sign 213.686+/-0.088 χ^2/NDF: 14603900.3/21

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

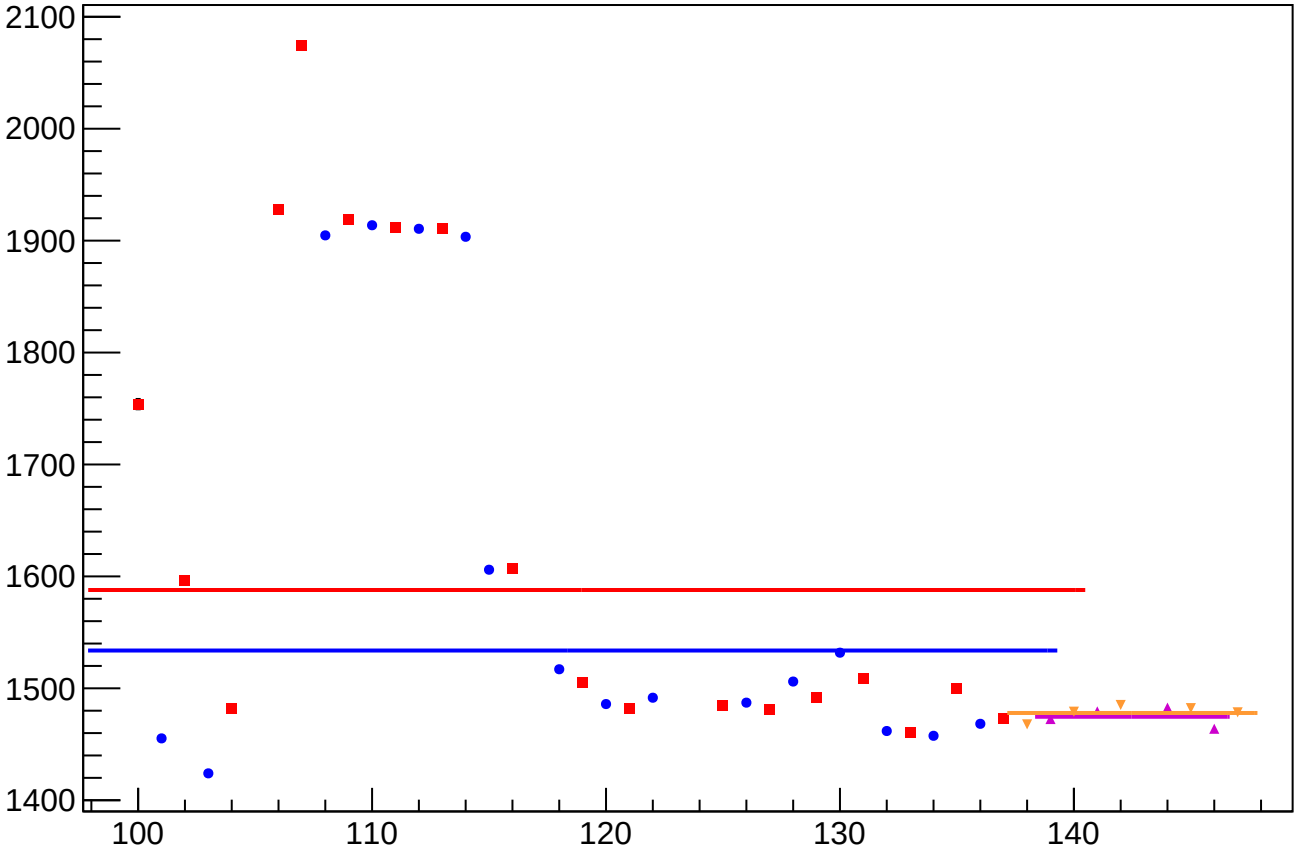
Left In: -1883.041+/-784.400 χ^2/NDF:8.8/3

+ sign 1806.145+/-458.840 χ^2/NDF: 15.4/20

All: 69.015+/-328.785 χ^2/NDF: 69.8/42

- sign -1764.170+/-471.356 χ^2/NDF: 25.0/21

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

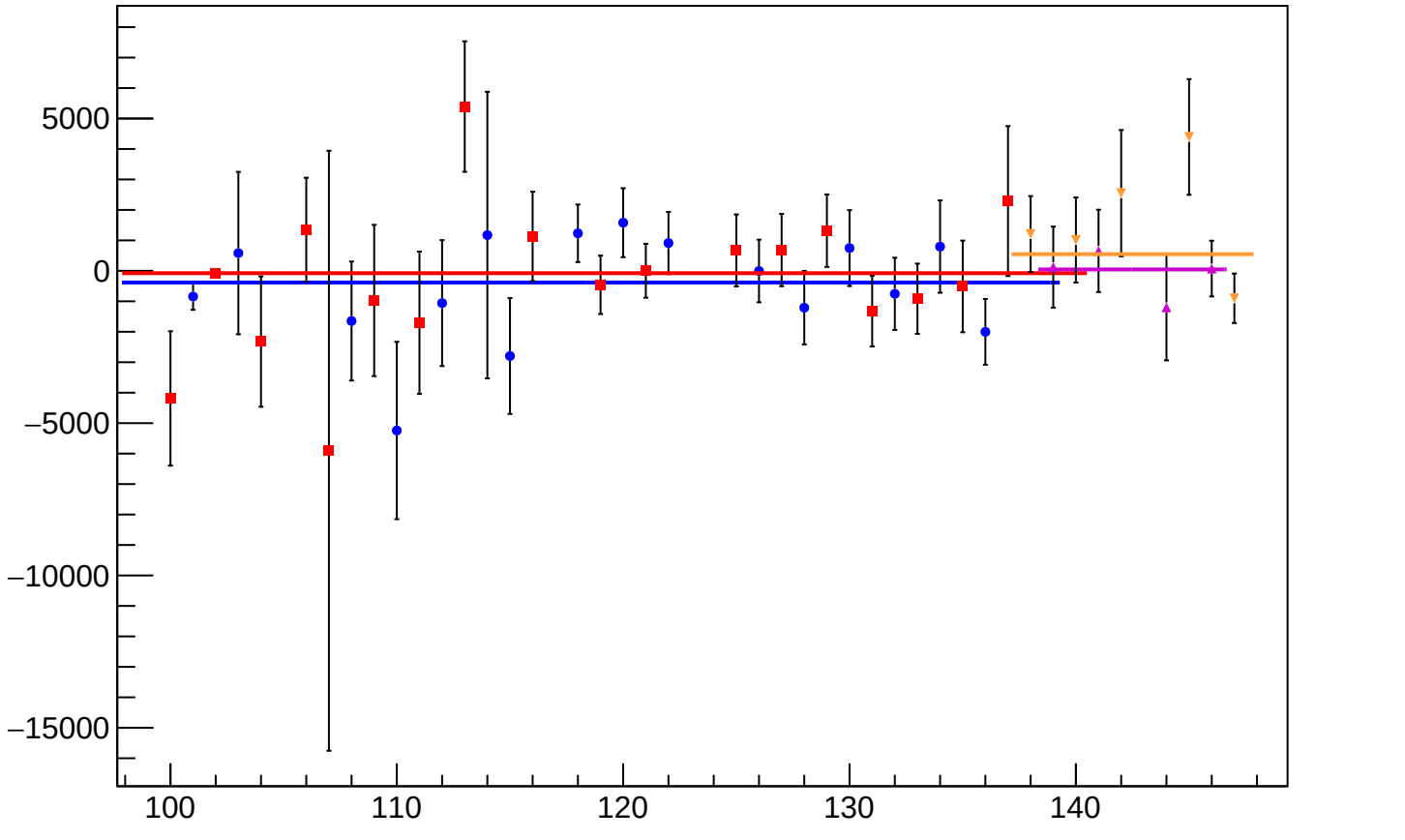
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1513.845+/-0.324 χ^2/NDF: 136173.3/20

All: 1529.952+/-0.232 χ^2/NDF: 341818.5/42

- sign 1546.949+/-0.333 χ^2/NDF: 200580.0/21



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

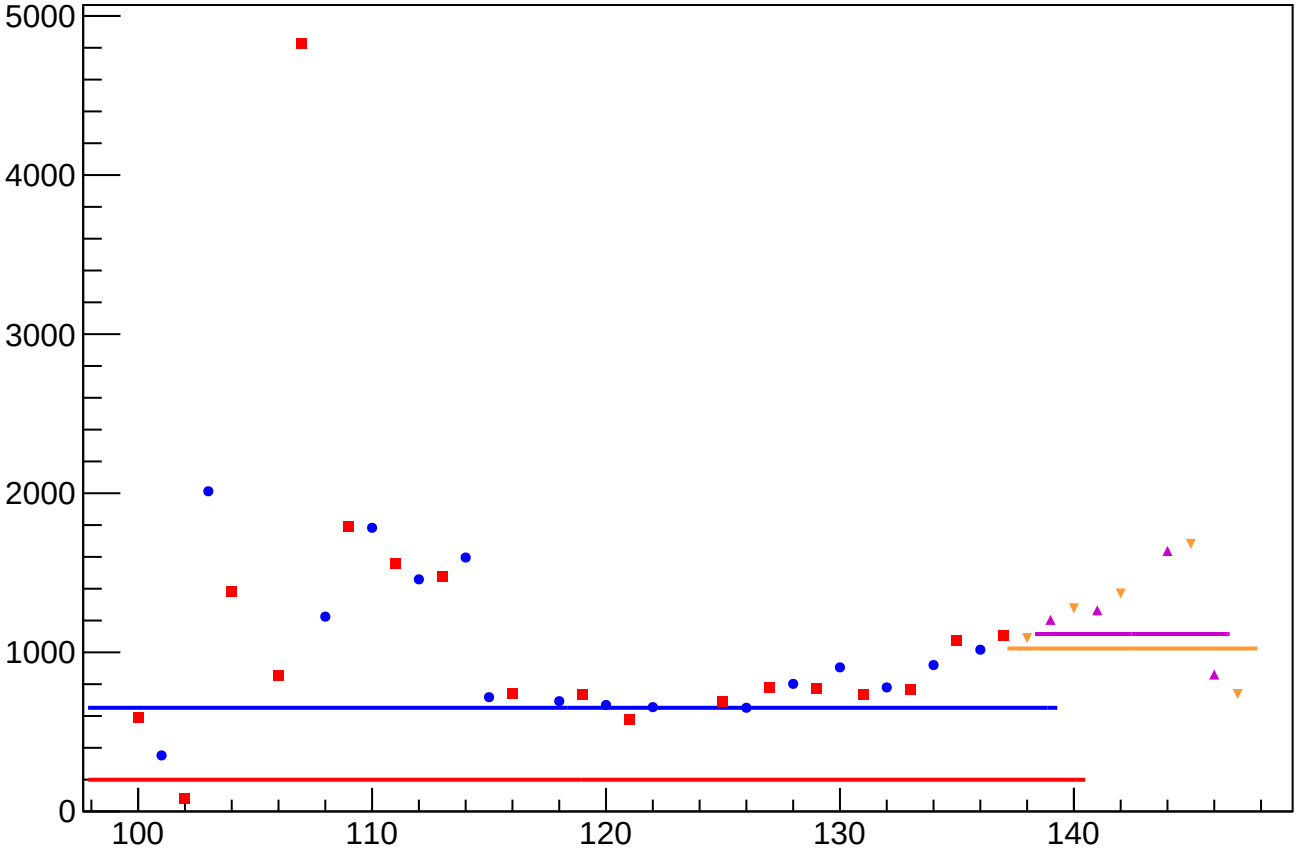
Left In: 45.625+/-615.728 χ^2/NDF:0.7/3

+ sign -204.925+/-244.844 χ^2/NDF: 29.1/20

All: -102.062+/-118.077 χ^2/NDF: 48.5/42

- sign -70.890+/-134.787 χ^2/NDF: 19.2/21

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

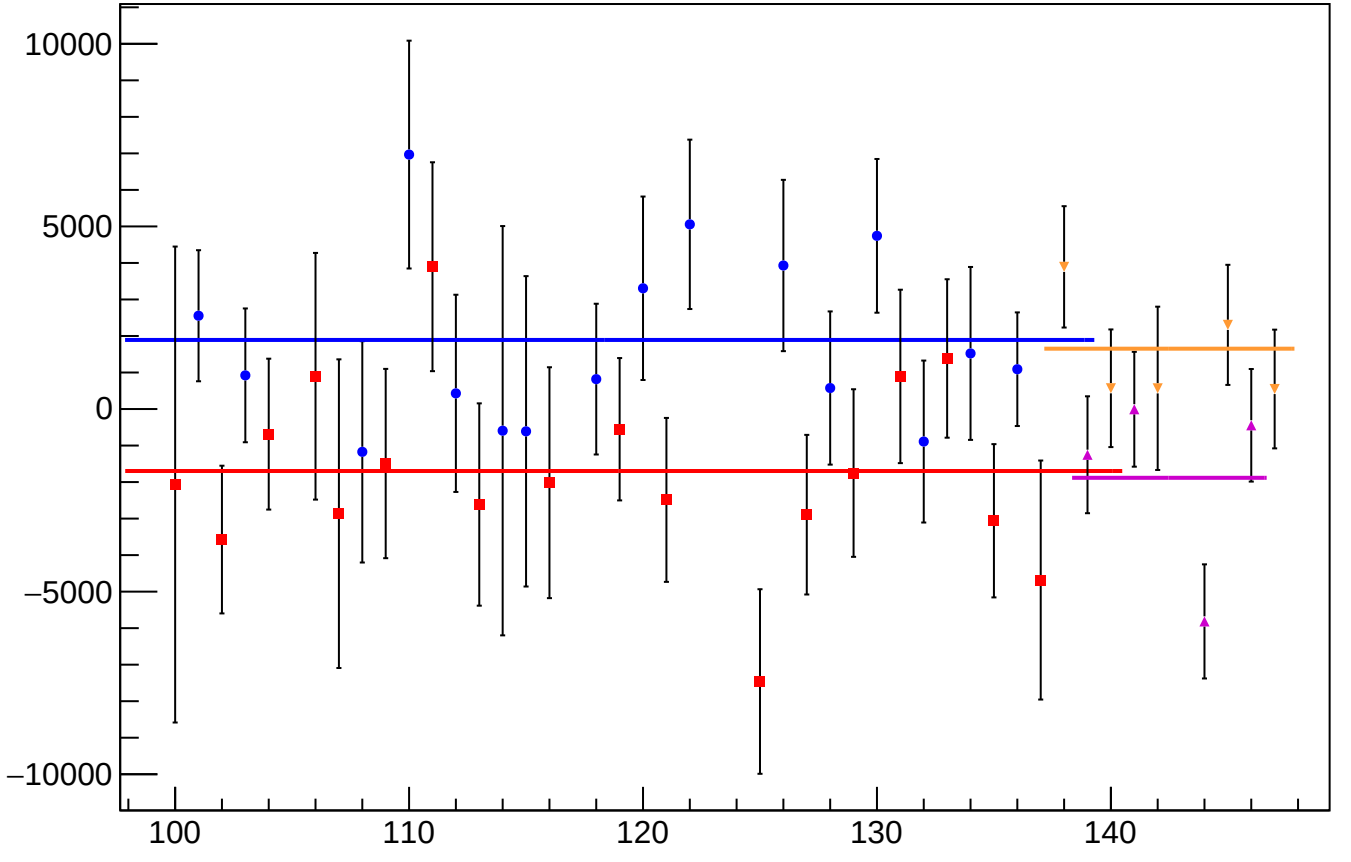
Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

+ sign 722.696+/-0.173 χ^2/NDF: 4093368.8/20

All: 354.749+/-0.083 χ^2/NDF: 23847139.2/42

- sign 243.243+/-0.095 χ^2/NDF: 13868319.5/21

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

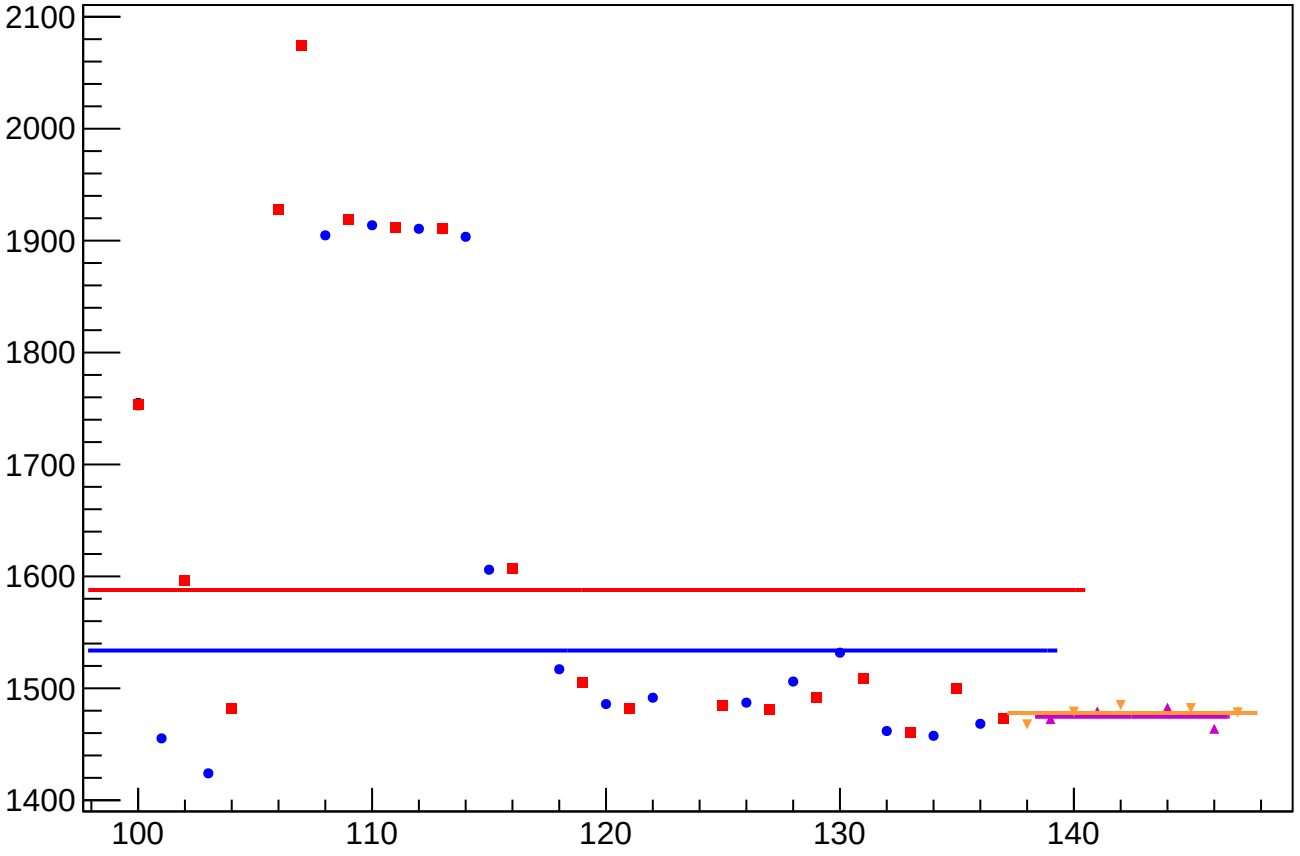
Left In: -1883.041+/-784.400 χ^2/NDF:8.8/3

+ sign 1806.145+/-458.840 χ^2/NDF: 15.4/20

All: 69.015+/-328.785 χ^2/NDF: 69.8/42

- sign -1764.170+/-471.356 χ^2/NDF: 25.0/21

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

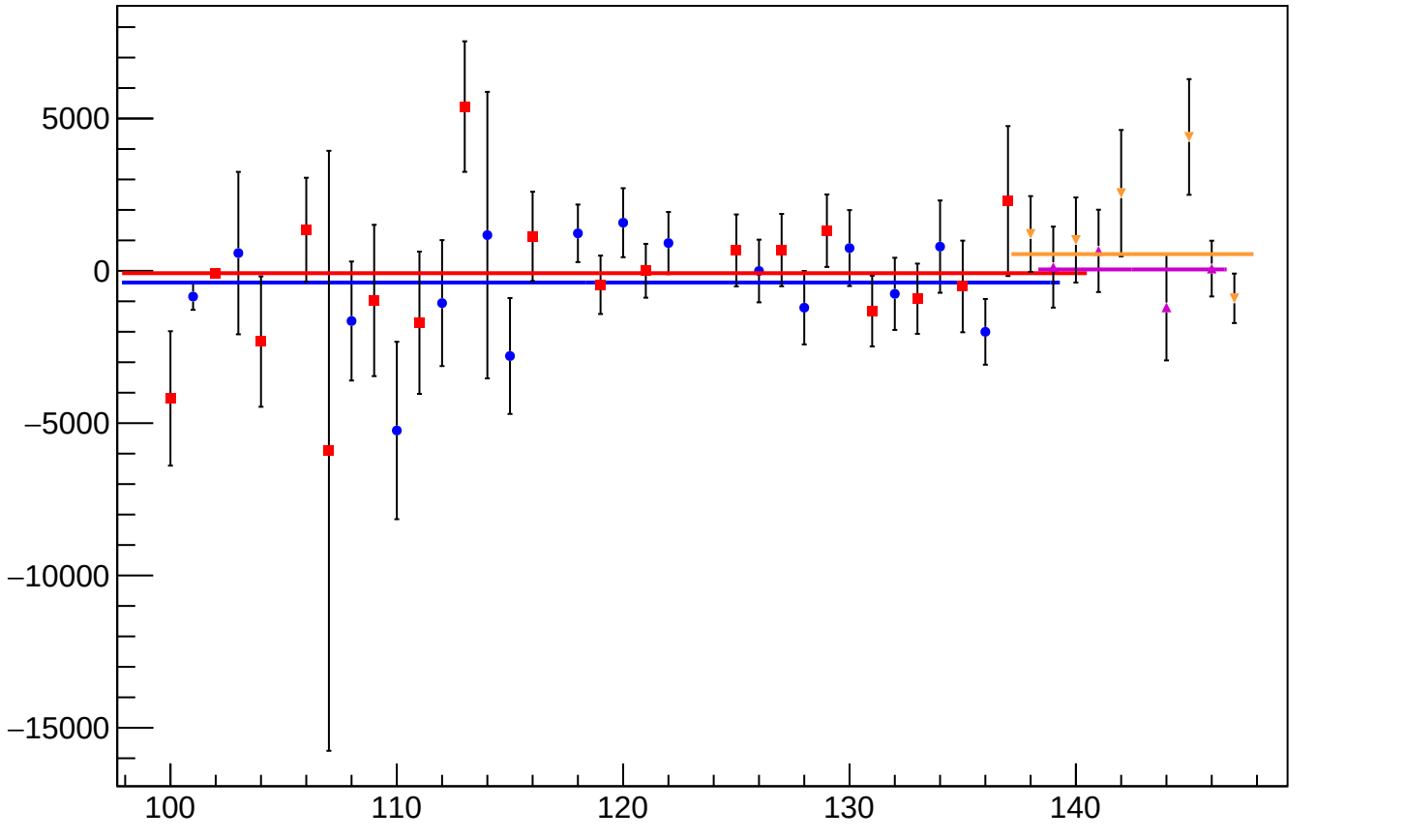
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1513.845+/-0.324 χ^2/NDF: 136173.3/20

All: 1529.952+/-0.232 χ^2/NDF: 341818.5/42

- sign 1546.949+/-0.333 χ^2/NDF: 200580.0/21



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

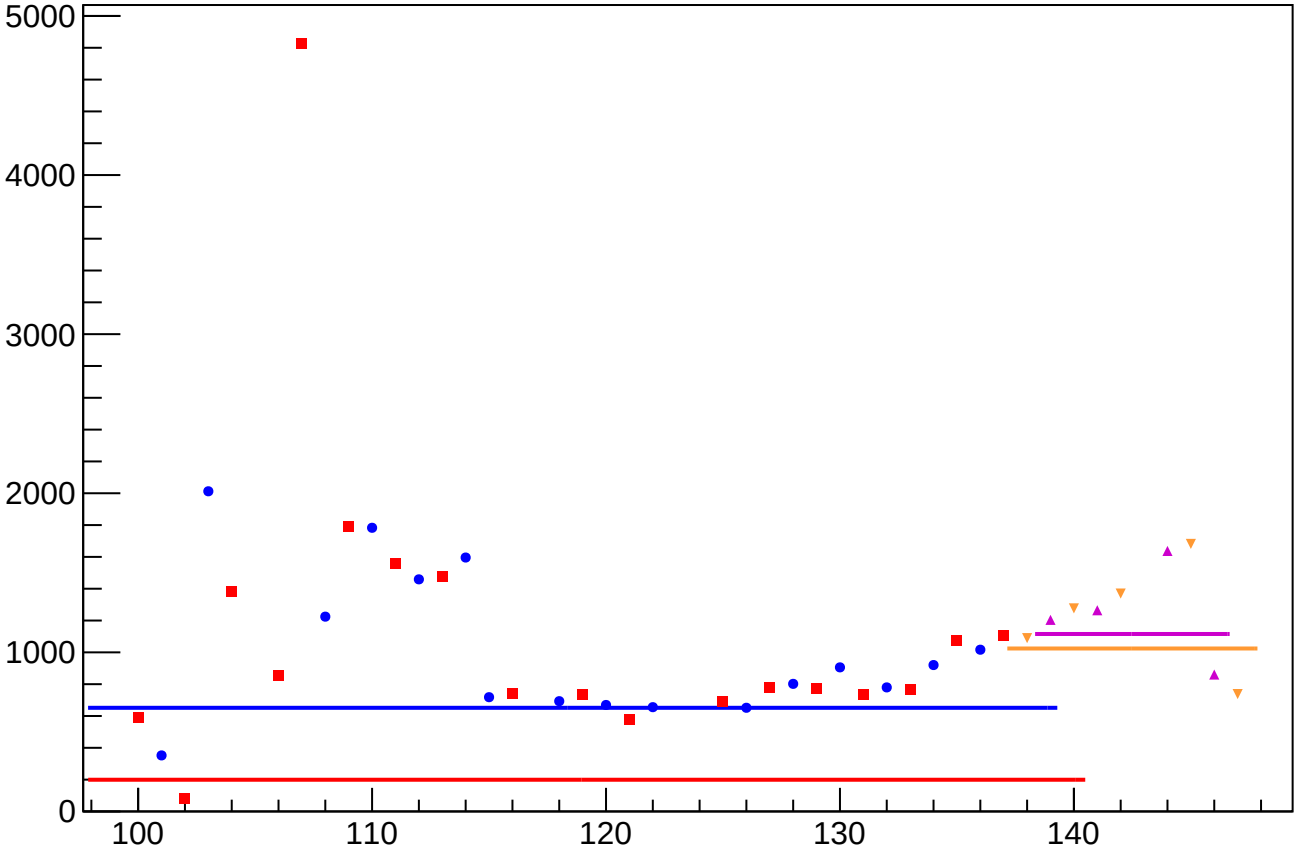
Left In: 45.625+/-615.728 χ^2/NDF:0.7/3

+ sign -204.925+/-244.844 χ^2/NDF: 29.1/20

All: -102.062+/-118.077 χ^2/NDF: 48.5/42

- sign -70.890+/-134.787 χ^2/NDF: 19.2/21

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

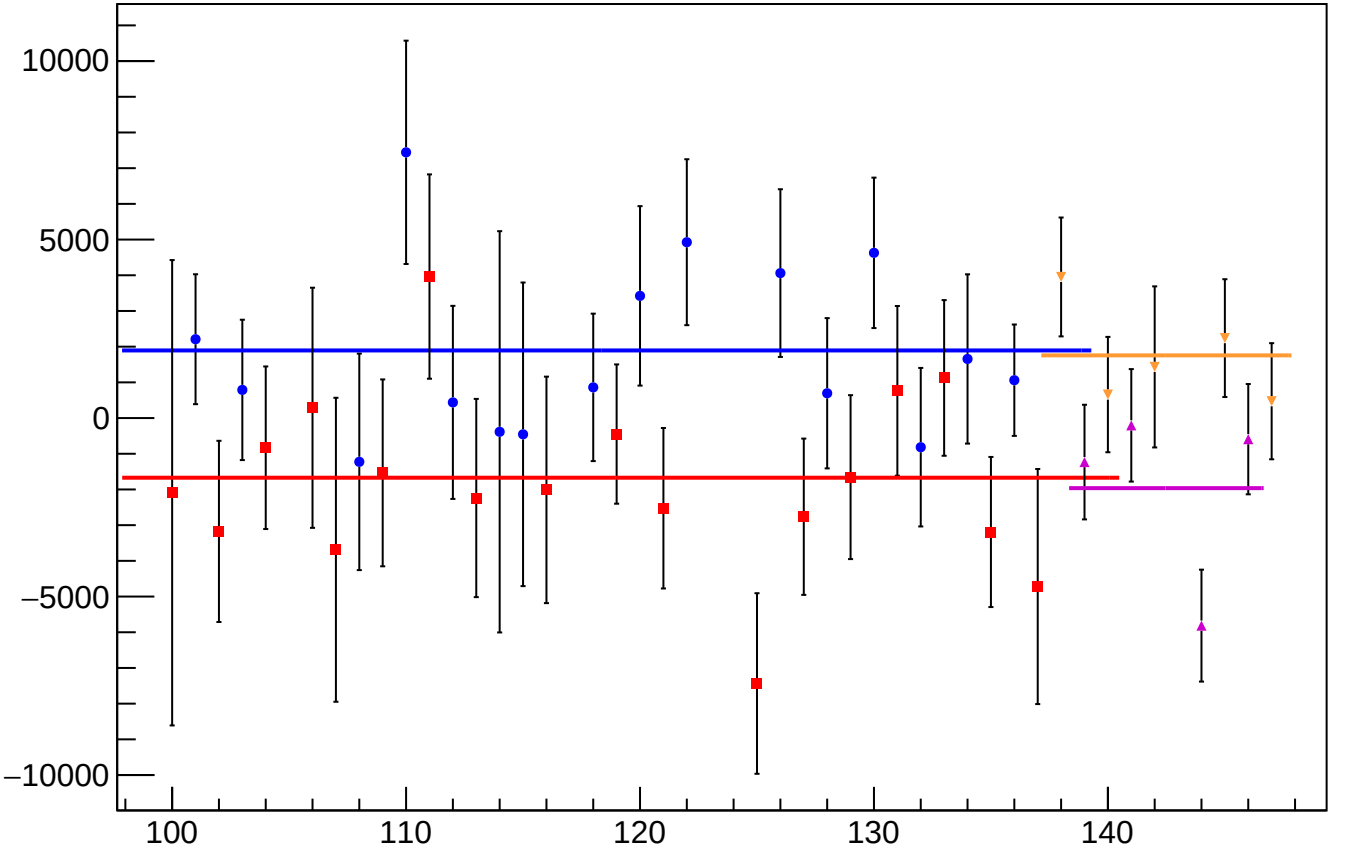
Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

+ sign 722.696+/-0.173 χ^2/NDF: 4093368.8/20

All: 354.749+/-0.083 χ^2/NDF: 23847139.2/42

- sign 243.243+/-0.095 χ^2/NDF: 13868319.5/21

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1756.196+/-770.267 χ^2/NDF:2.9/4

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

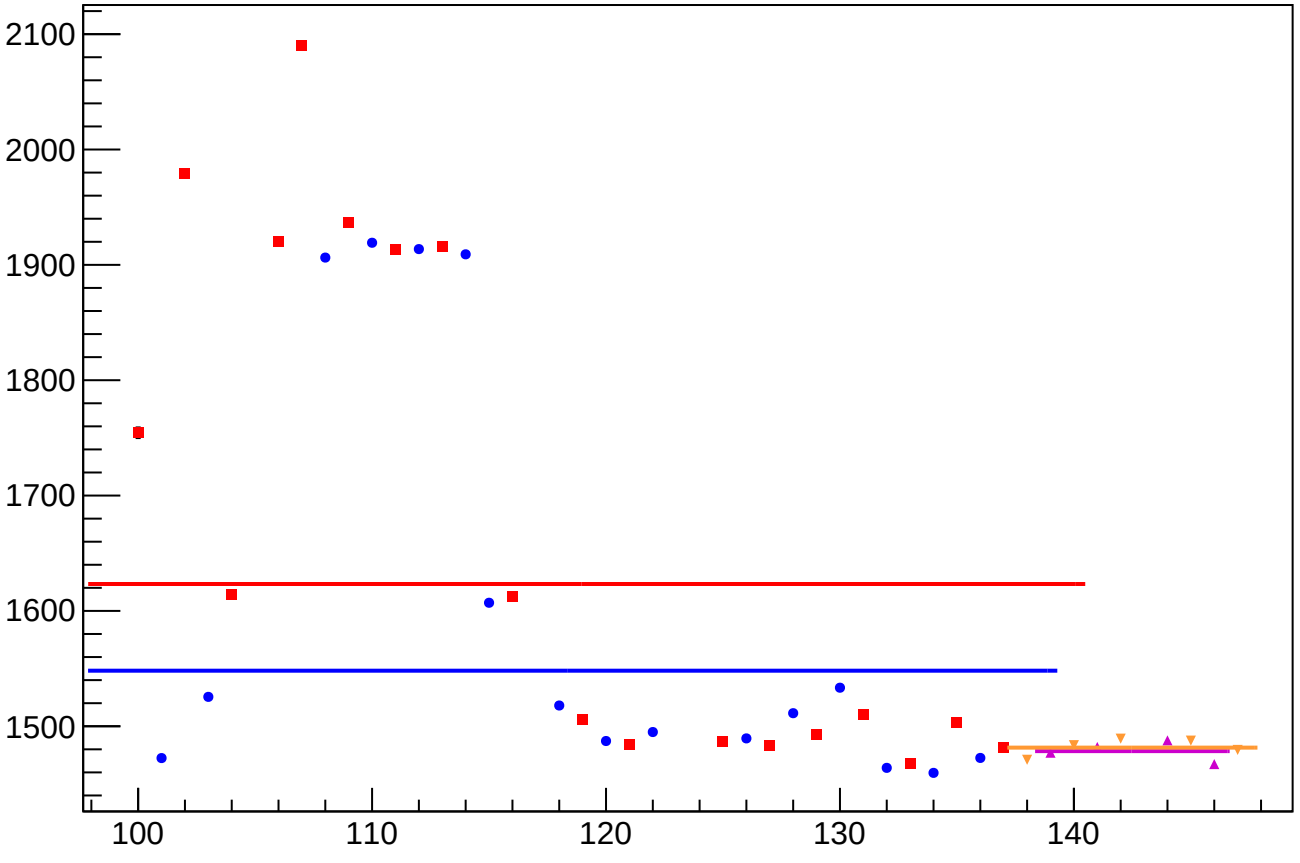
Left In: -1963.026+/-786.487 χ^2/NDF:8.3/3

+ sign 1844.508+/-462.124 χ^2/NDF: 15.2/20

All: 99.188+/-332.729 χ^2/NDF: 68.3/42

- sign -1779.484+/-479.454 χ^2/NDF: 23.4/21

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

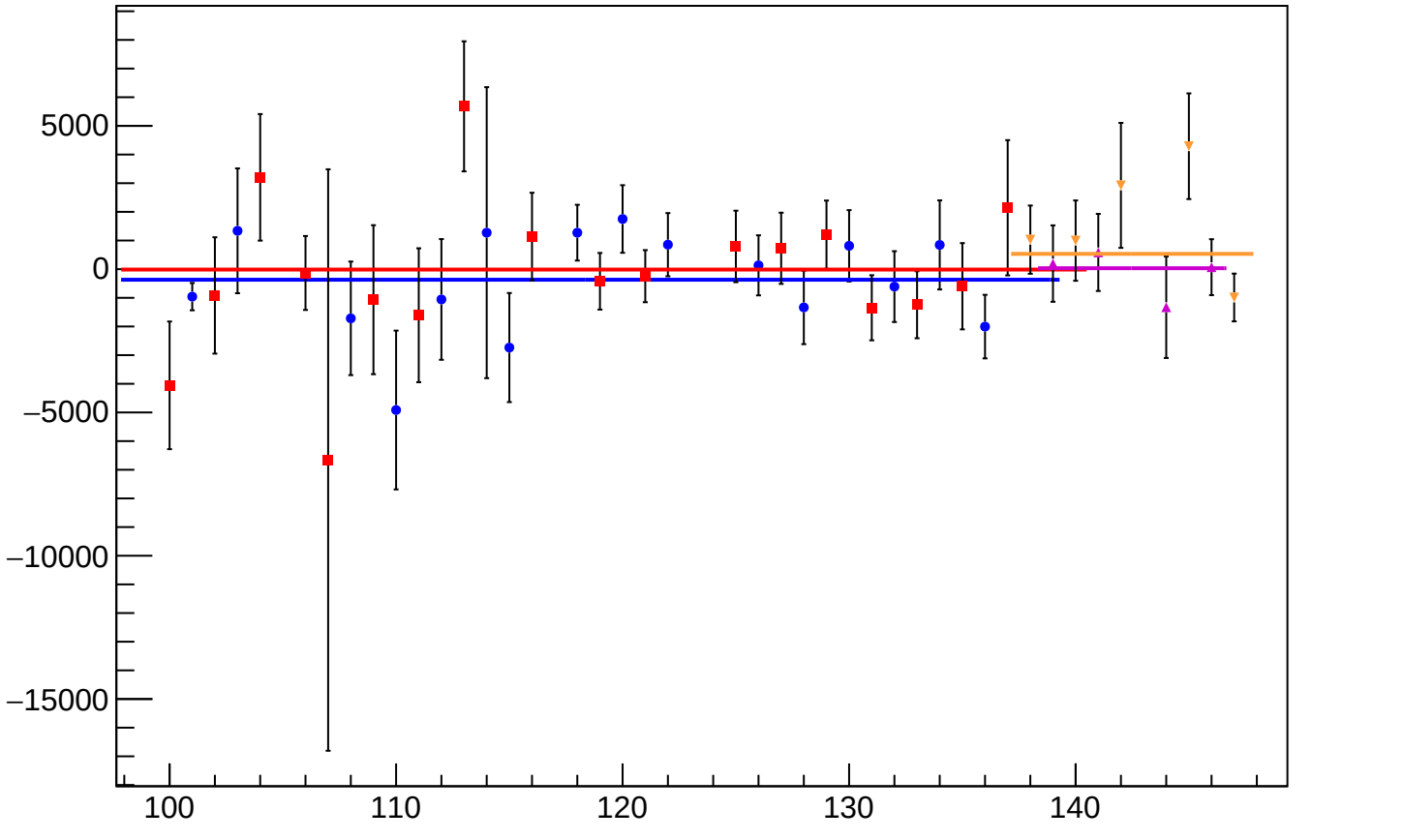
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

+ sign 1524.168+/-0.327 χ^2/NDF: 129639.6/20

All: 1545.993+/-0.235 χ^2/NDF: 393274.7/42

- sign 1569.486+/-0.339 χ^2/NDF: 254372.2/21



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 533.741+/-562.562 χ^2/NDF:9.0/4

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

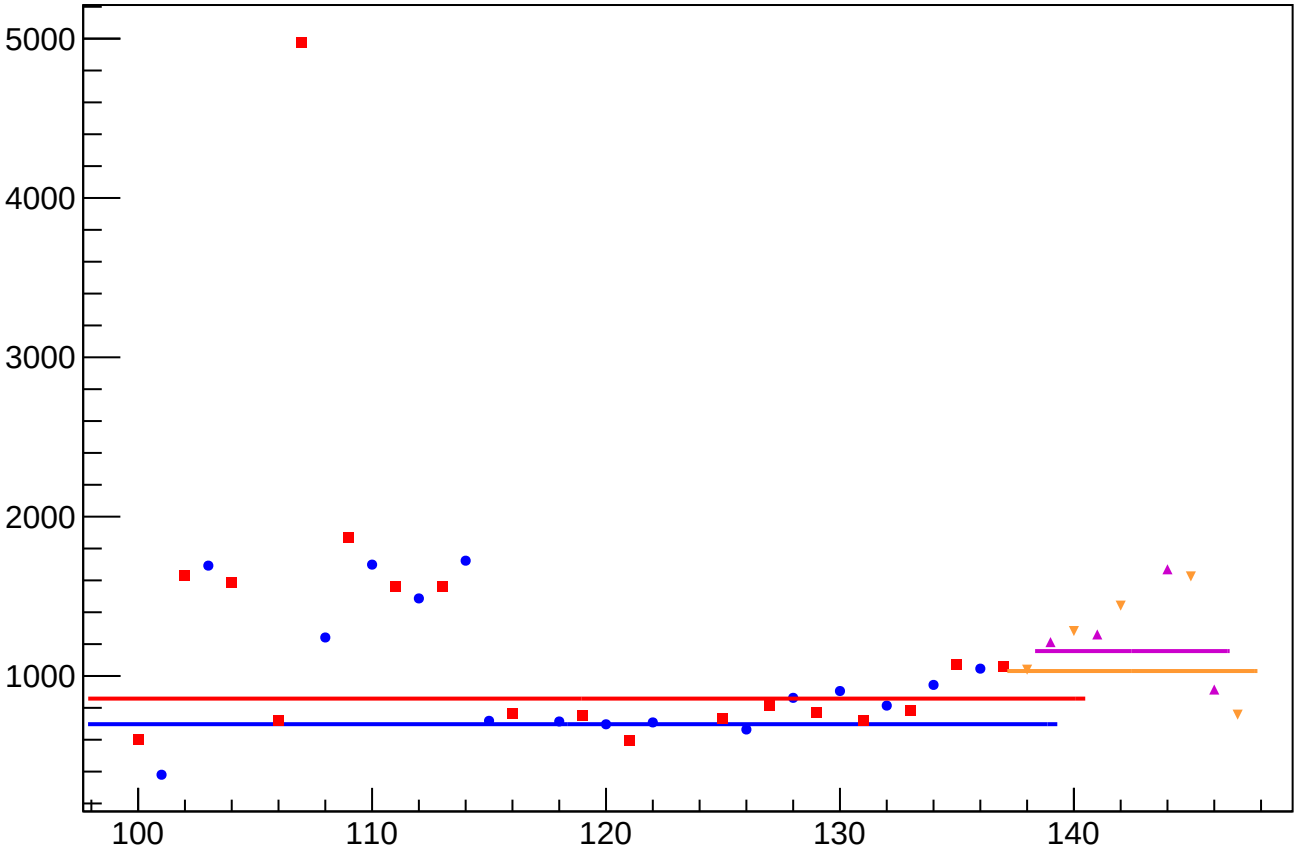
Left In: 32.947+/-634.579 χ^2/NDF:0.8/3

+ sign -182.772+/-255.353 χ^2/NDF: 29.9/20

All: -107.571+/-194.659 χ^2/NDF: 50.0/42

- sign -3.244+/-300.767 χ^2/NDF: 19.8/21

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1031.108+/-0.398 χ^2/NDF:558343.8/4

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

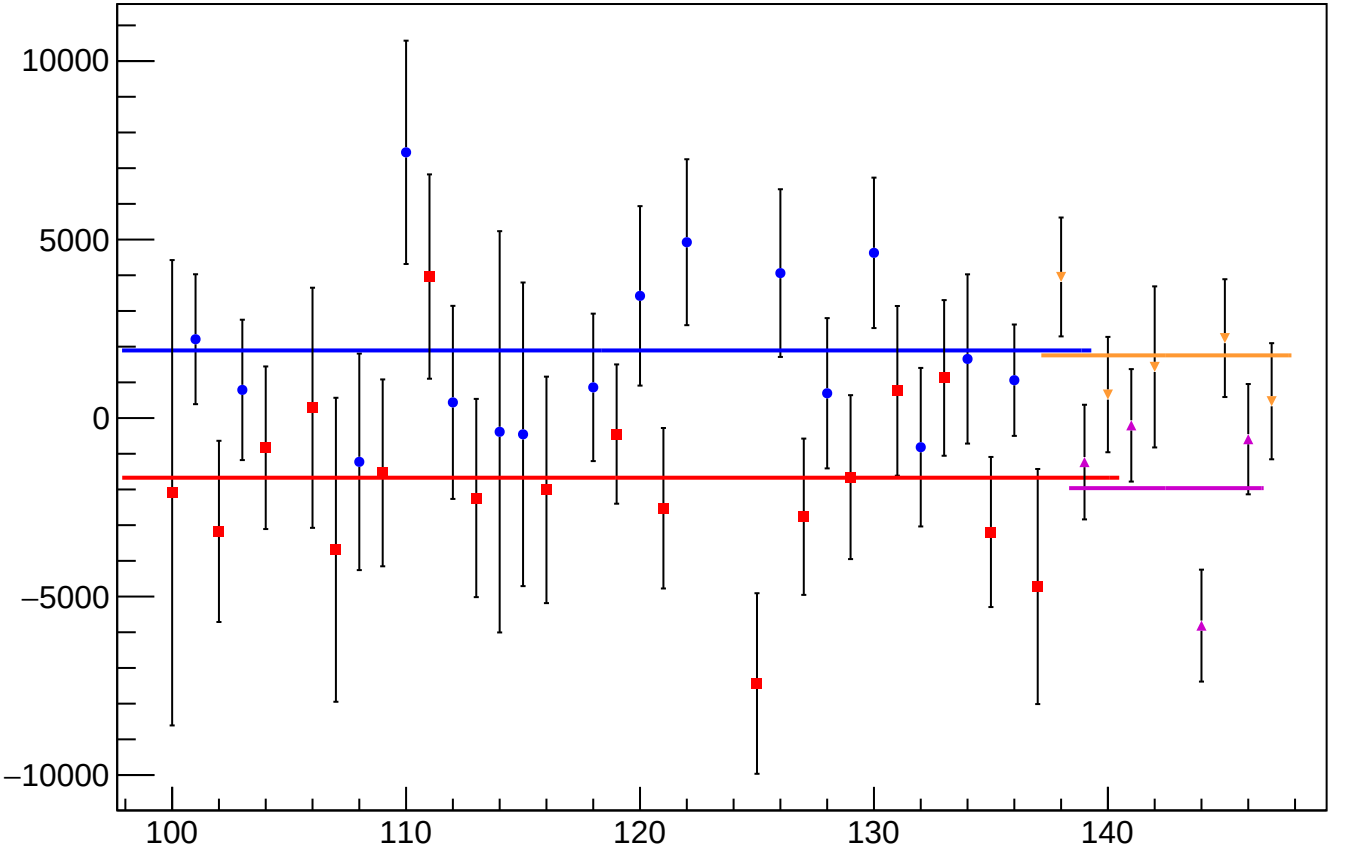
Left In: 1156.302+/-0.449 χ^2/NDF:305892.1/3

+ sign 766.248+/-0.181 χ^2/NDF: 3552312.1/20

All: 832.782+/-0.138 χ^2/NDF: 6406963.5/42

- sign 925.085+/-0.213 χ^2/NDF: 2530507.0/21

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1756.198+/-770.267 χ^2/NDF:2.9/4

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

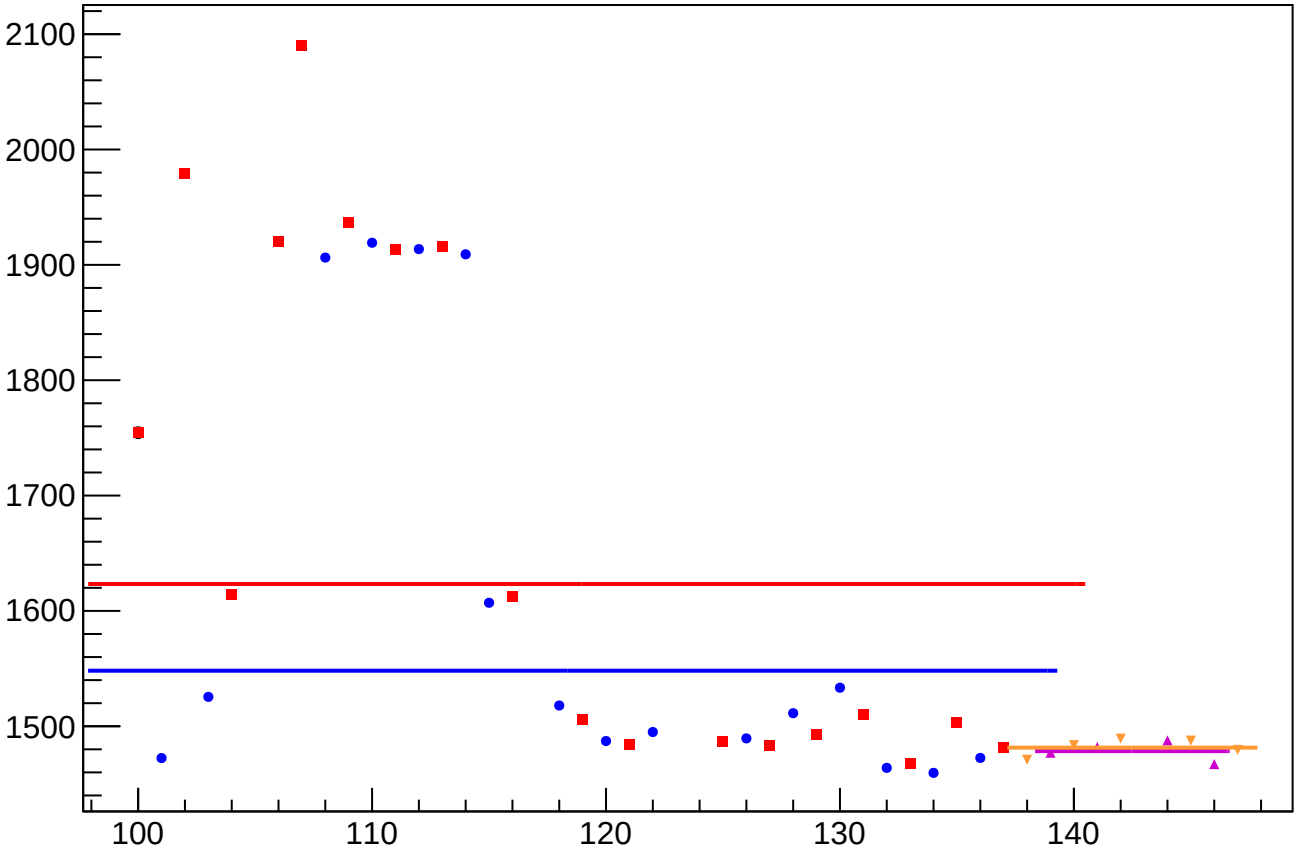
Left In: -1963.026+/-786.487 χ^2/NDF:8.3/3

+ sign 1844.507+/-462.124 χ^2/NDF: 15.2/20

All: 99.188+/-332.729 χ^2/NDF: 68.3/42

- sign -1779.482+/-479.454 χ^2/NDF: 23.4/21

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

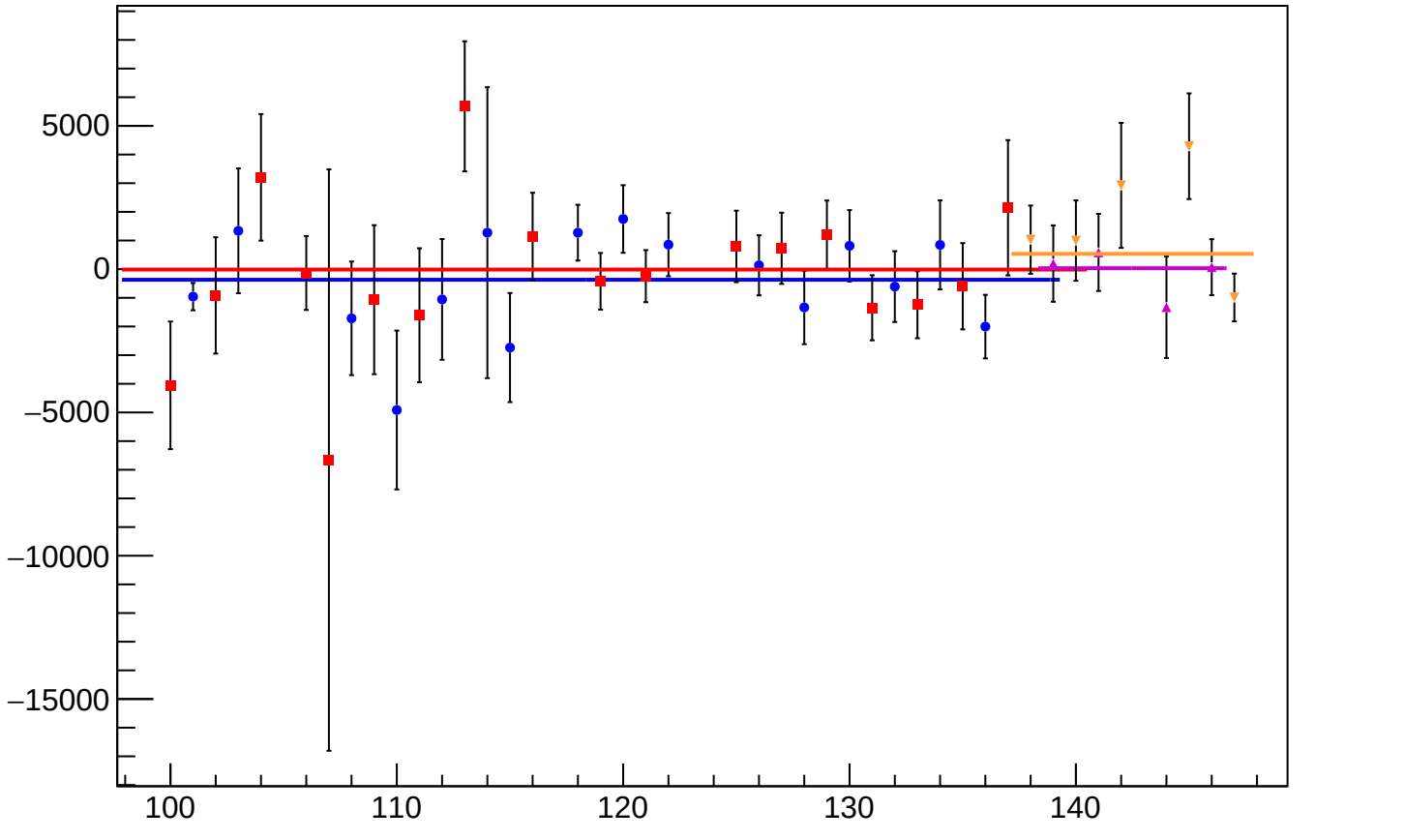
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

+ sign 1524.168+/-0.327 χ^2/NDF: 129639.6/20

All: 1545.993+/-0.235 χ^2/NDF: 393274.4/42

- sign 1569.486+/-0.339 χ^2/NDF: 254371.8/21



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 533.739+/-562.563 χ^2/NDF:9.0/4

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

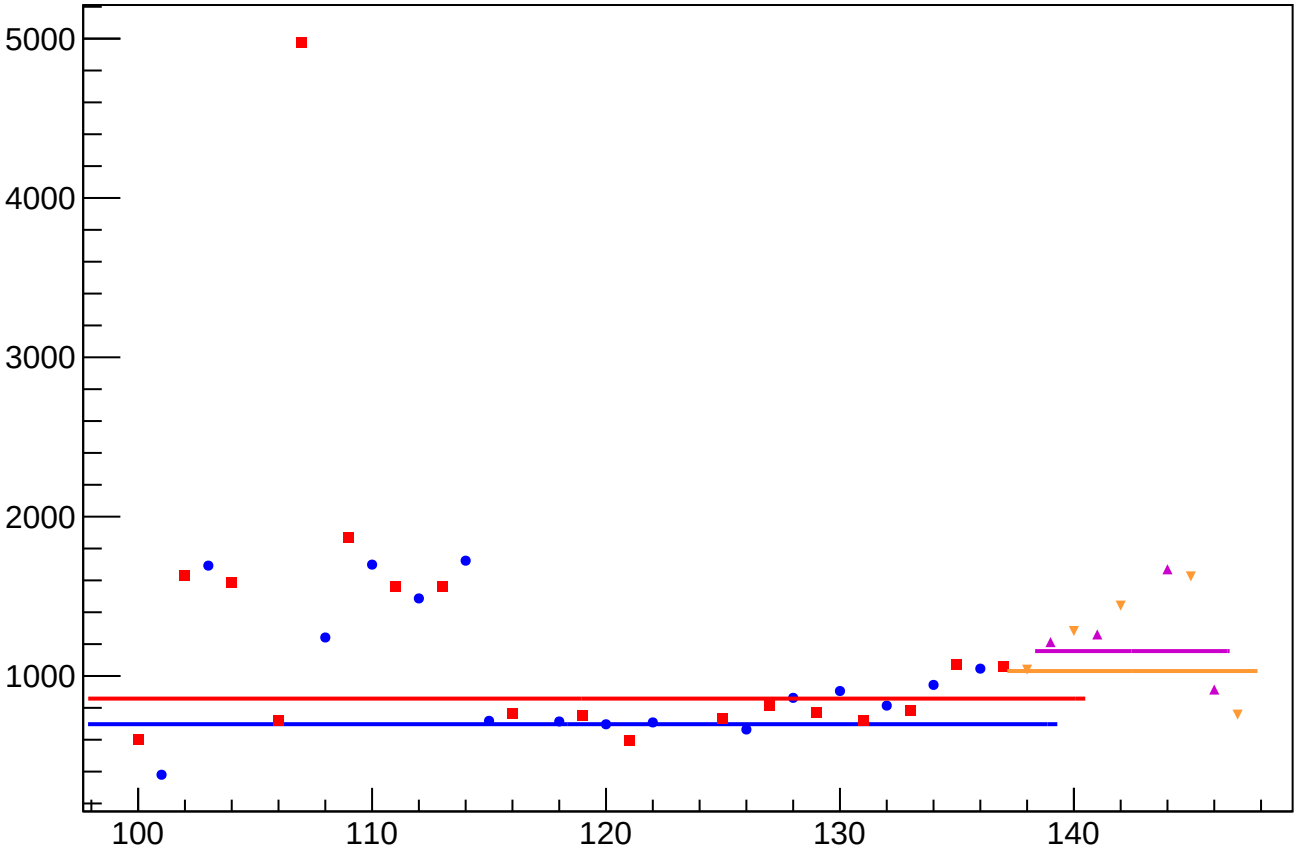
Left In: 32.948+/-634.579 χ^2/NDF:0.8/3

+ sign -182.772+/-255.353 χ^2/NDF: 29.9/20

All: -107.571+/-194.659 χ^2/NDF: 50.0/42

- sign -3.244+/-300.766 χ^2/NDF: 19.8/21

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1031.110+/-0.398 χ^2/NDF:558343.2/4

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

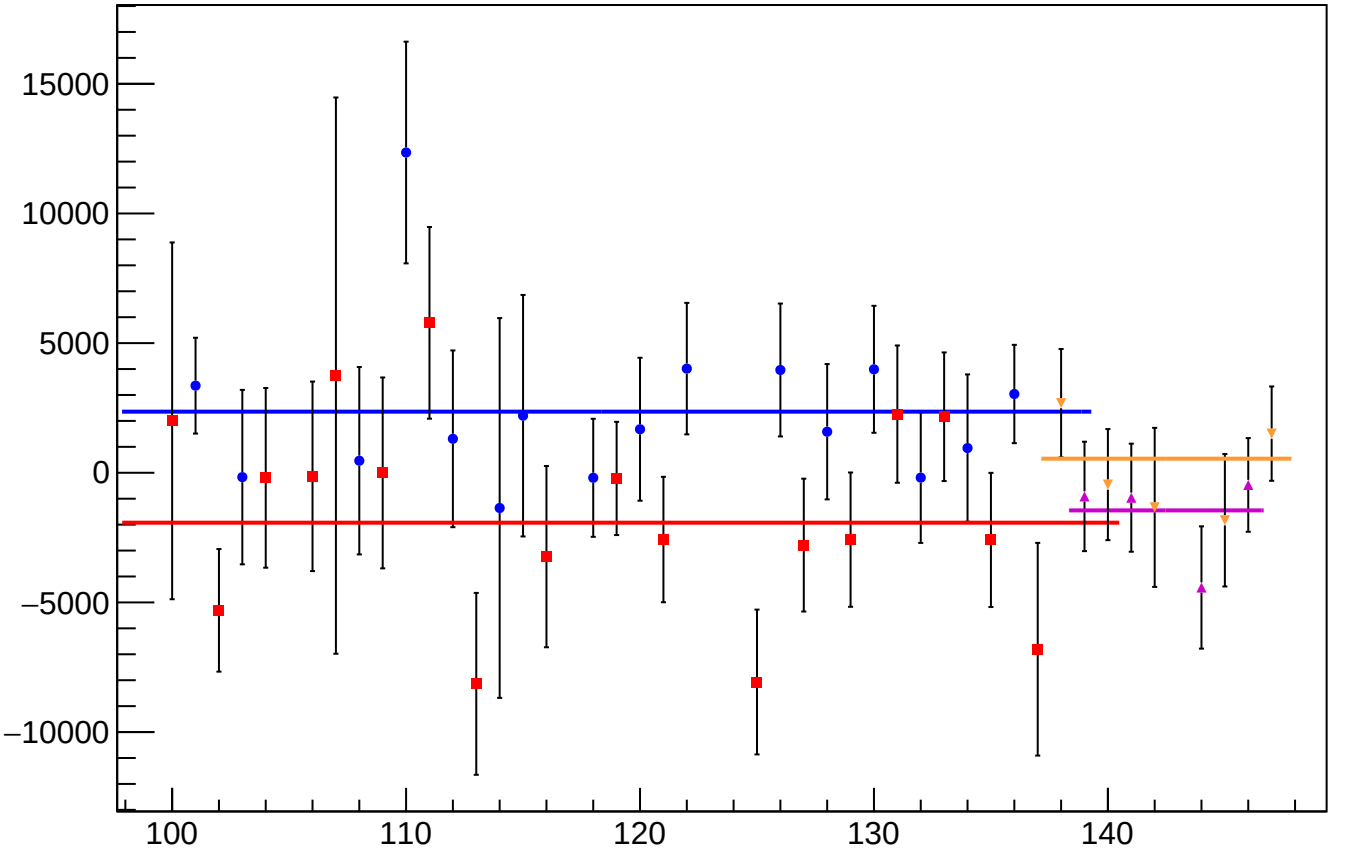
Left In: 1156.304+/-0.449 χ^2/NDF:305891.8/3

+ sign 766.248+/-0.181 χ^2/NDF: 3552308.4/20

All: 832.781+/-0.138 χ^2/NDF: 6406970.8/42

- sign 925.084+/-0.213 χ^2/NDF: 2530523.3/21

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 543.610+/-995.607 χ^2/NDF:2.8/4

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

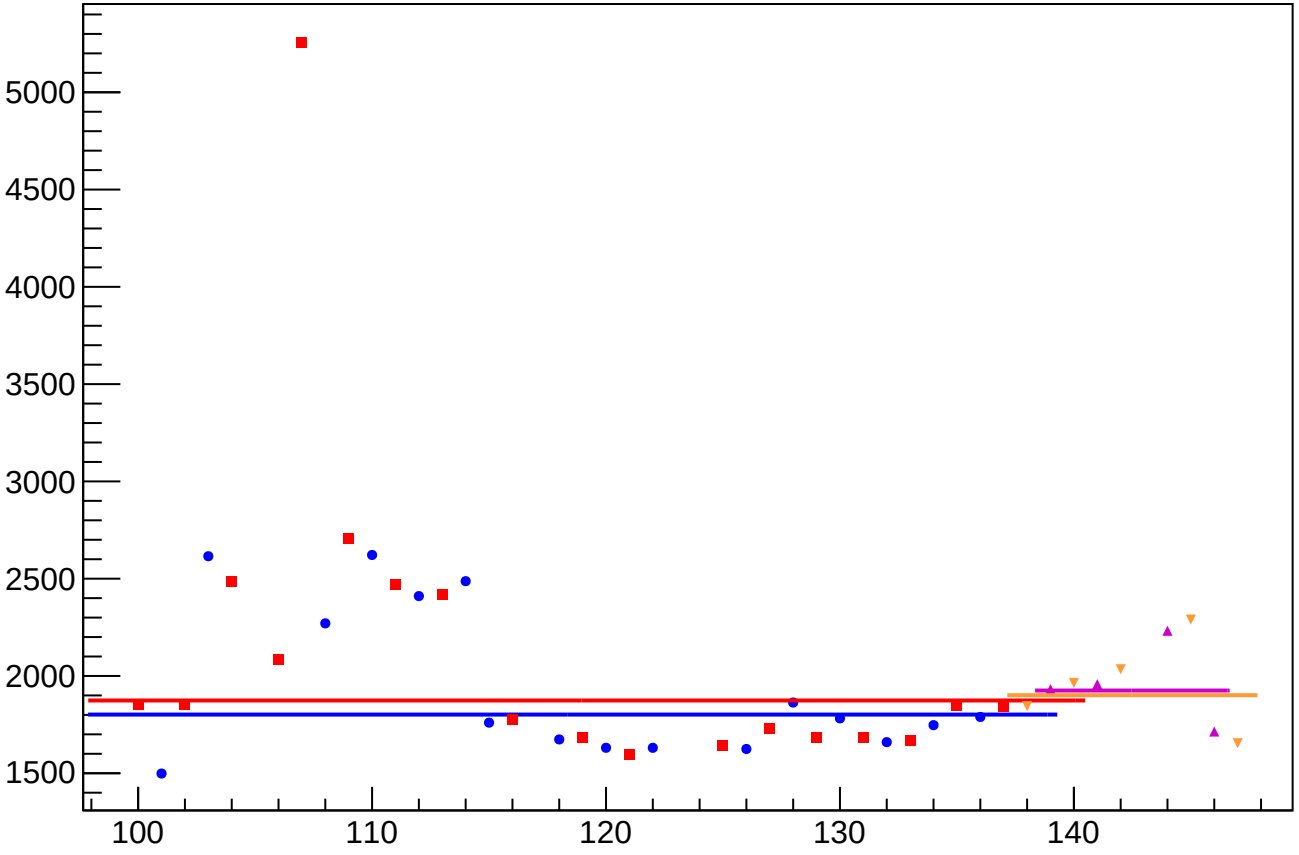
Left In: -1450.881+/-1030.751 χ^2/NDF:2.0/3

+ sign 1781.382+/-560.930 χ^2/NDF: 16.1/20

All: 72.391+/-404.189 χ^2/NDF: 61.0/42

- sign -1773.244+/-582.924 χ^2/NDF: 25.6/21

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1901.133+/-0.704 χ^2/NDF:90133.3/4

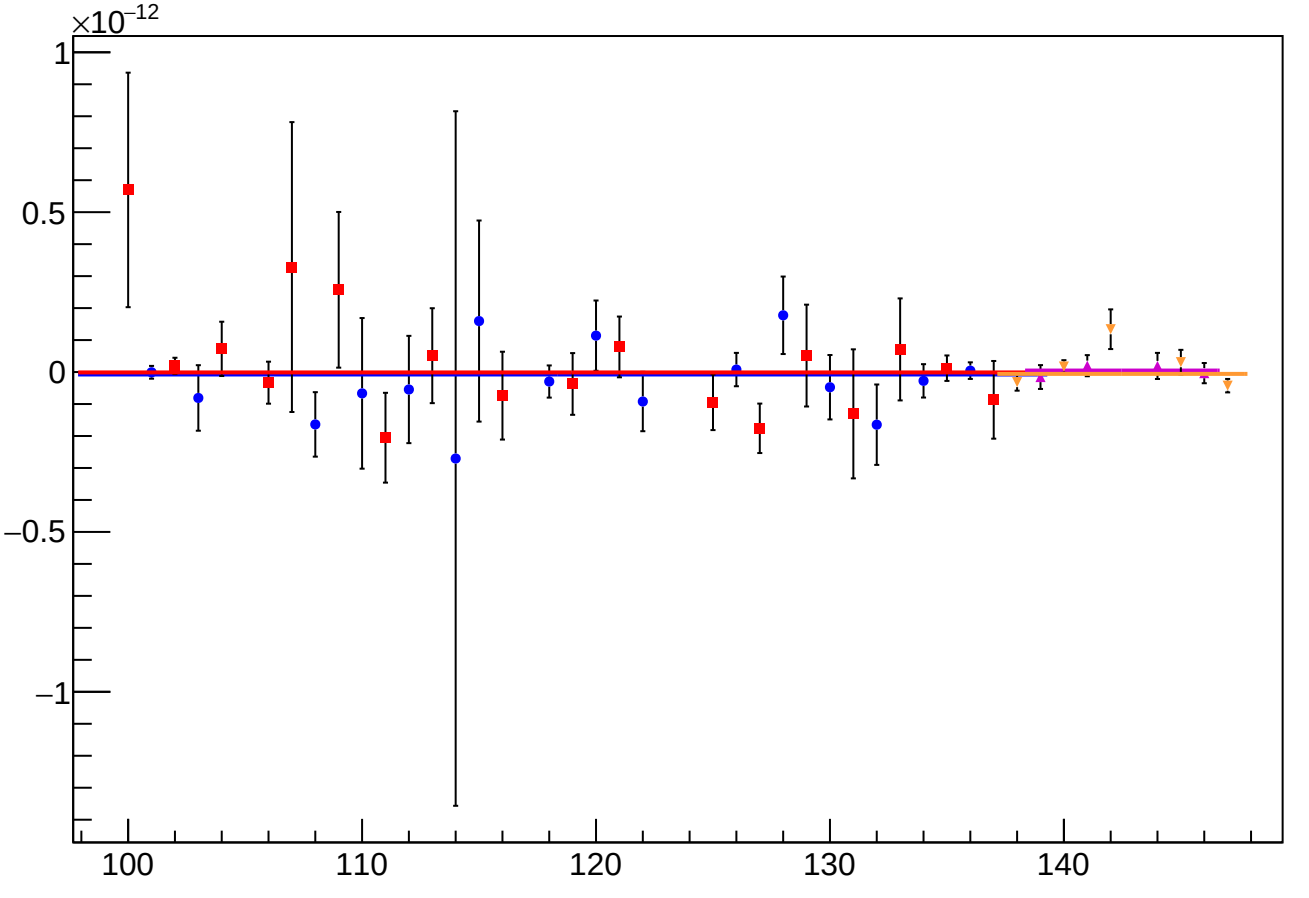
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1925.141+/-0.729 χ^2/NDF:61649.2/3

+ sign 1833.146+/-0.397 χ^2/NDF: 504499.2/20

All: 1860.644+/-0.286 χ^2/NDF: 1149406.0/42

- sign 1890.340+/-0.412 χ^2/NDF: 634910.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

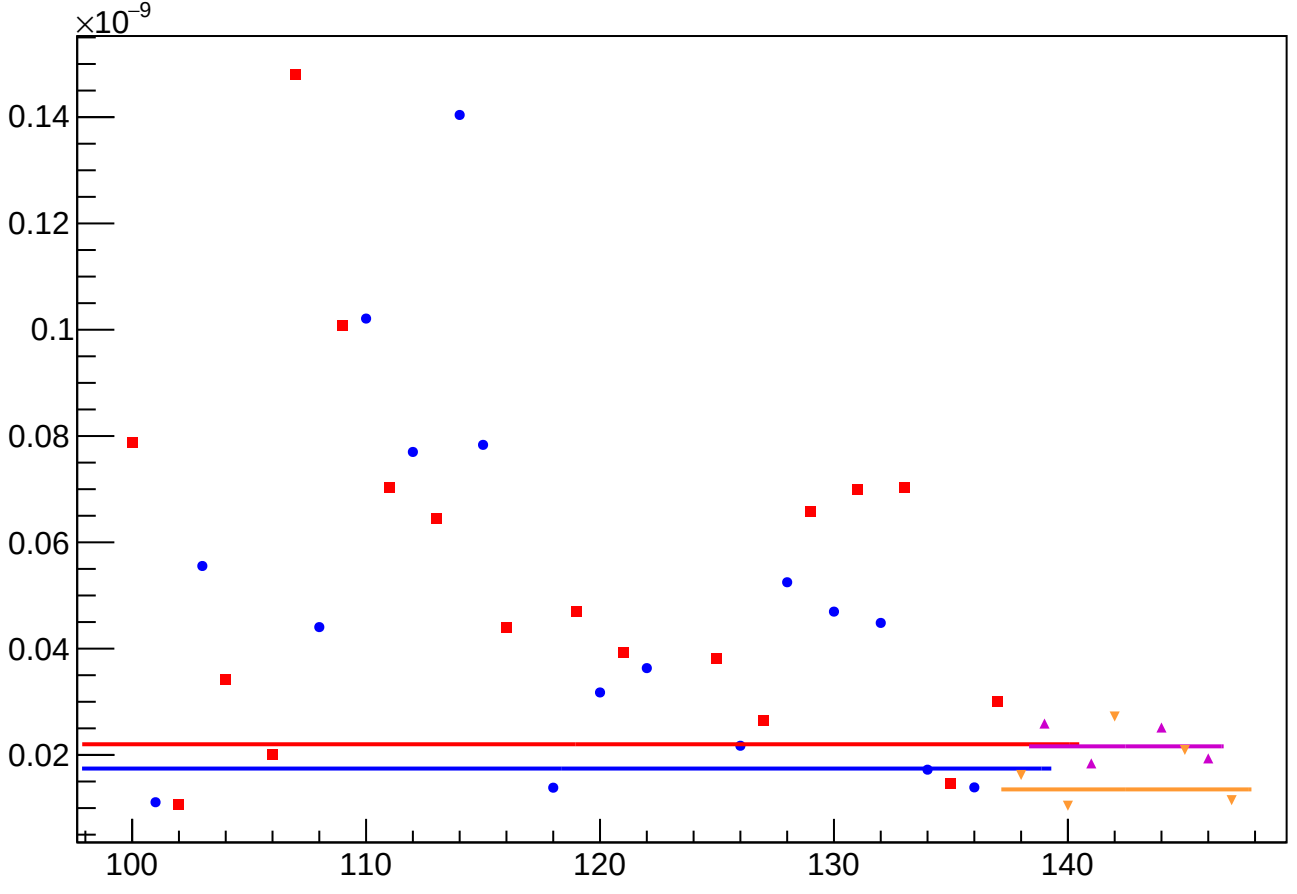
Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.5/20

All: -0.000+/-0.000 χ^2/NDF: 39.3/42

- sign 0.000+/-0.000 χ^2/NDF: 17.4/21

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:258509.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

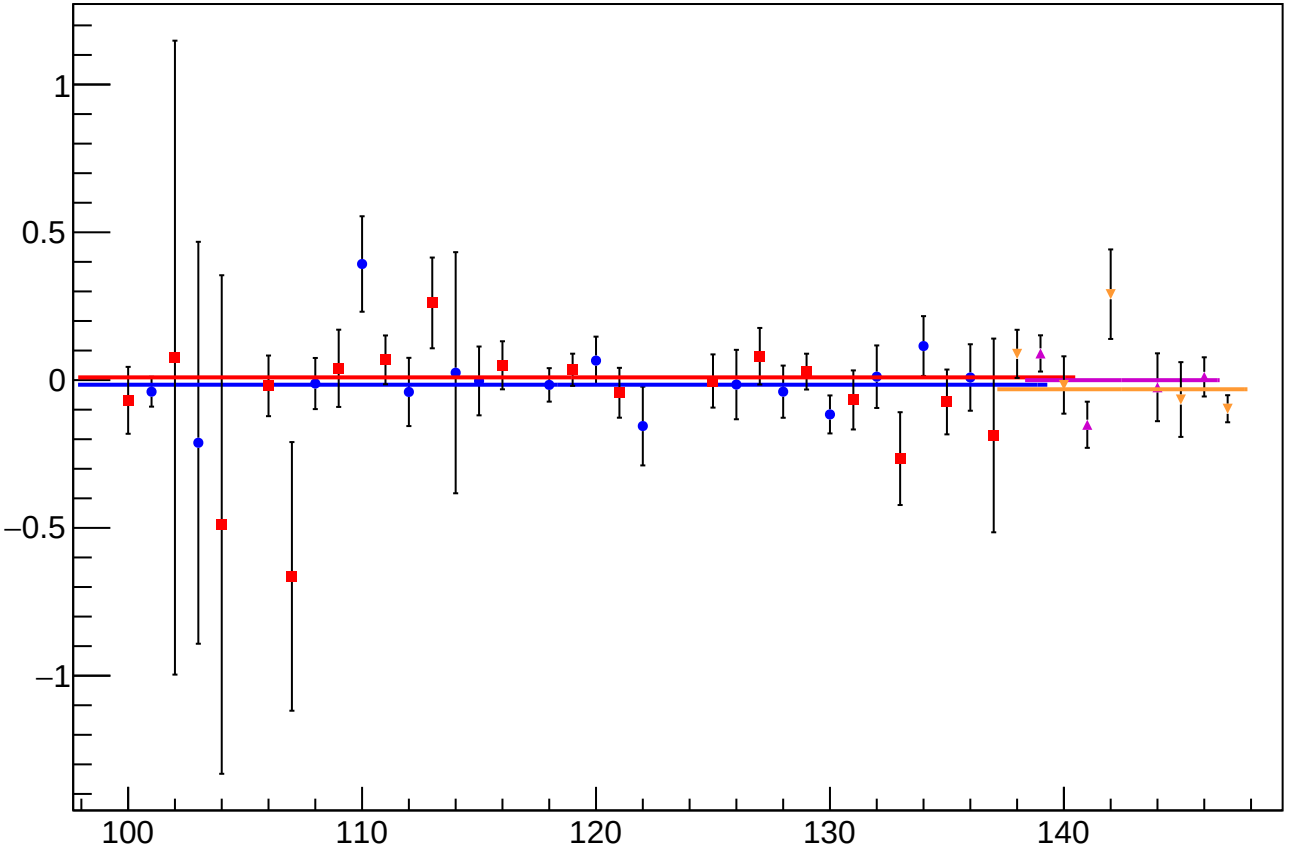
Left In: 0.000+/-0.000 χ^2/NDF:70666.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2196875.3/20

All: 0.000+/-0.000 χ^2/NDF: 4741657.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2169815.4/21

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: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

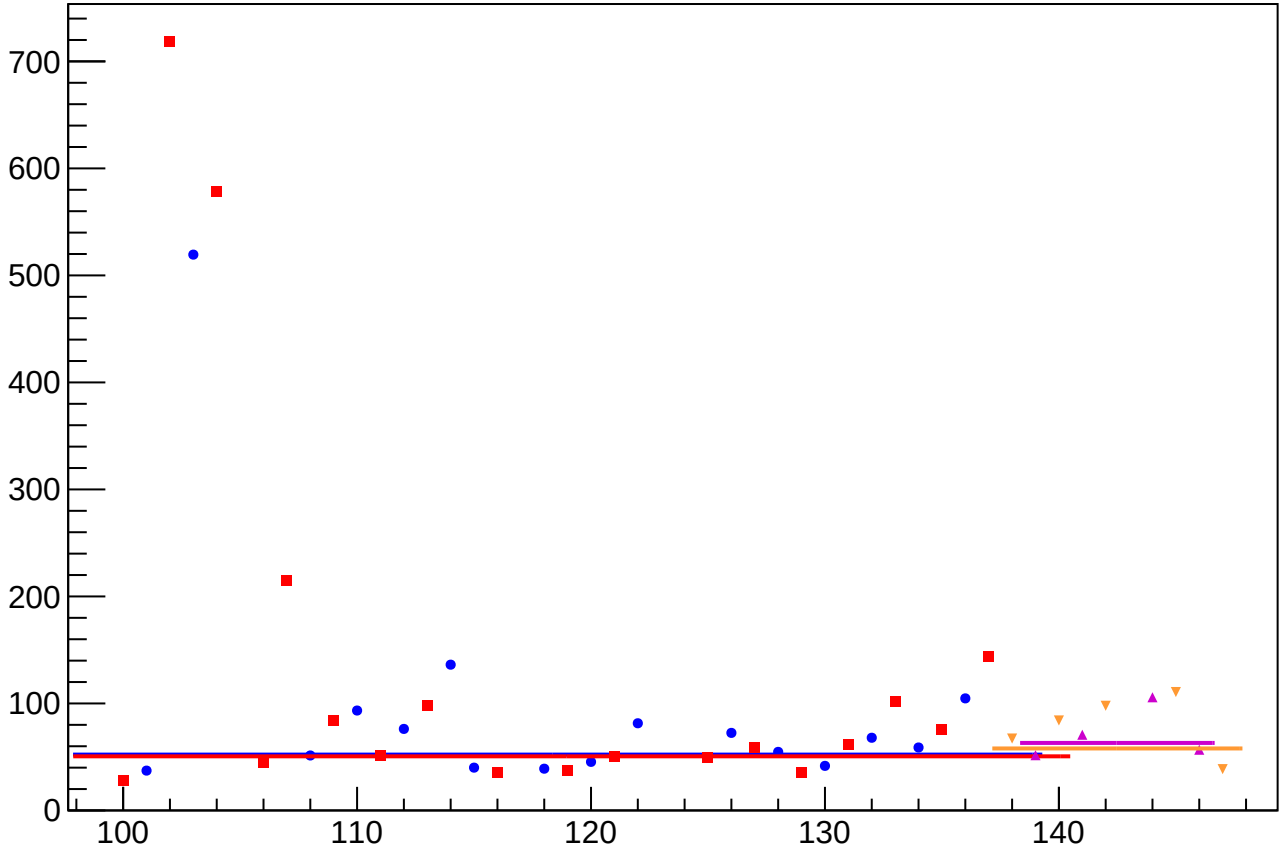
Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: -0.008+/-0.014 χ^2/NDF: 41.6/42

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21

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: 57.933+/-0.024 χ^2/NDF:1014272.9/4

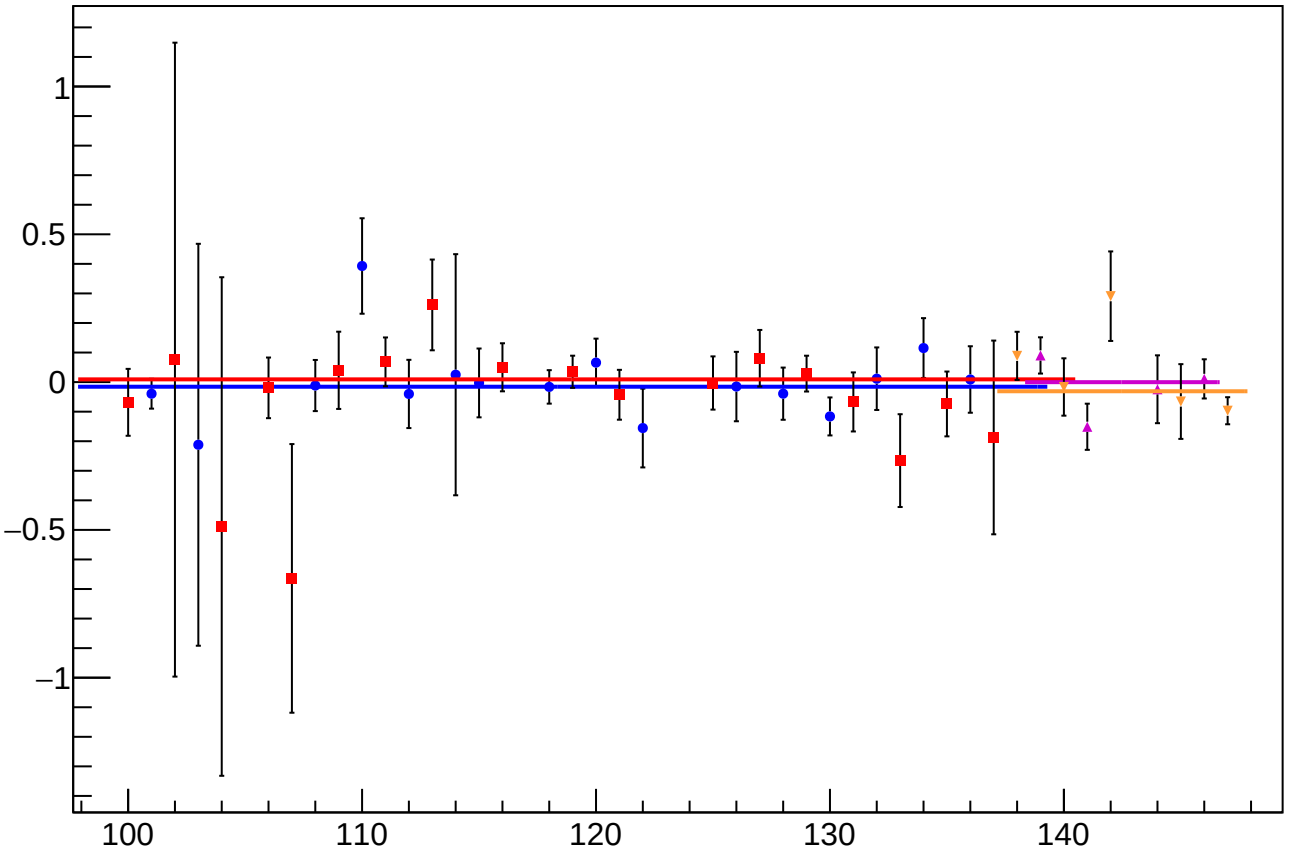
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

+ sign 53.919+/-0.013 χ^2/NDF: 3319918.2/20

All: 54.059+/-0.010 χ^2/NDF: 6918876.5/42

- sign 54.213+/-0.014 χ^2/NDF: 3598728.7/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

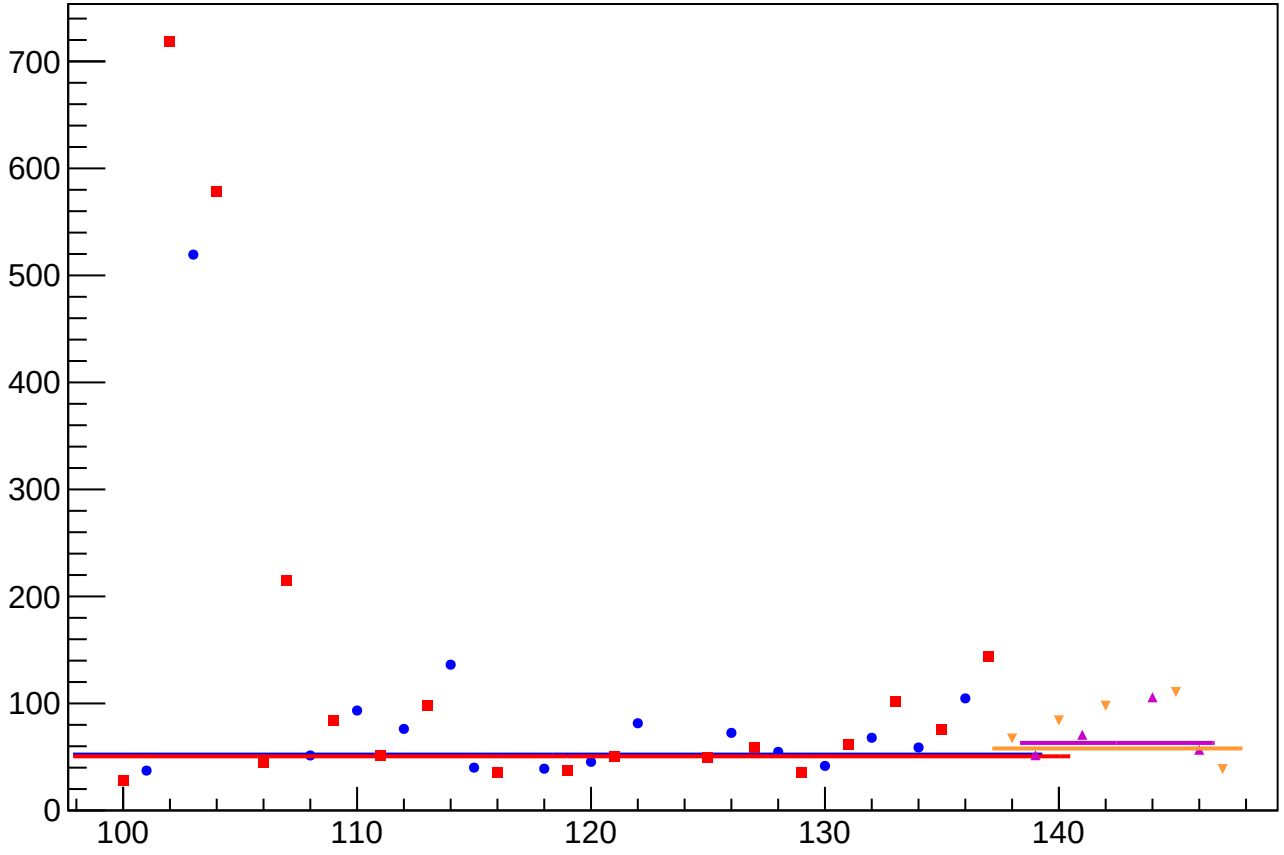
Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: -0.008+/-0.014 χ^2/NDF: 41.6/42

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21

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: 57.933+/-0.024 χ^2/NDF:1014272.9/4

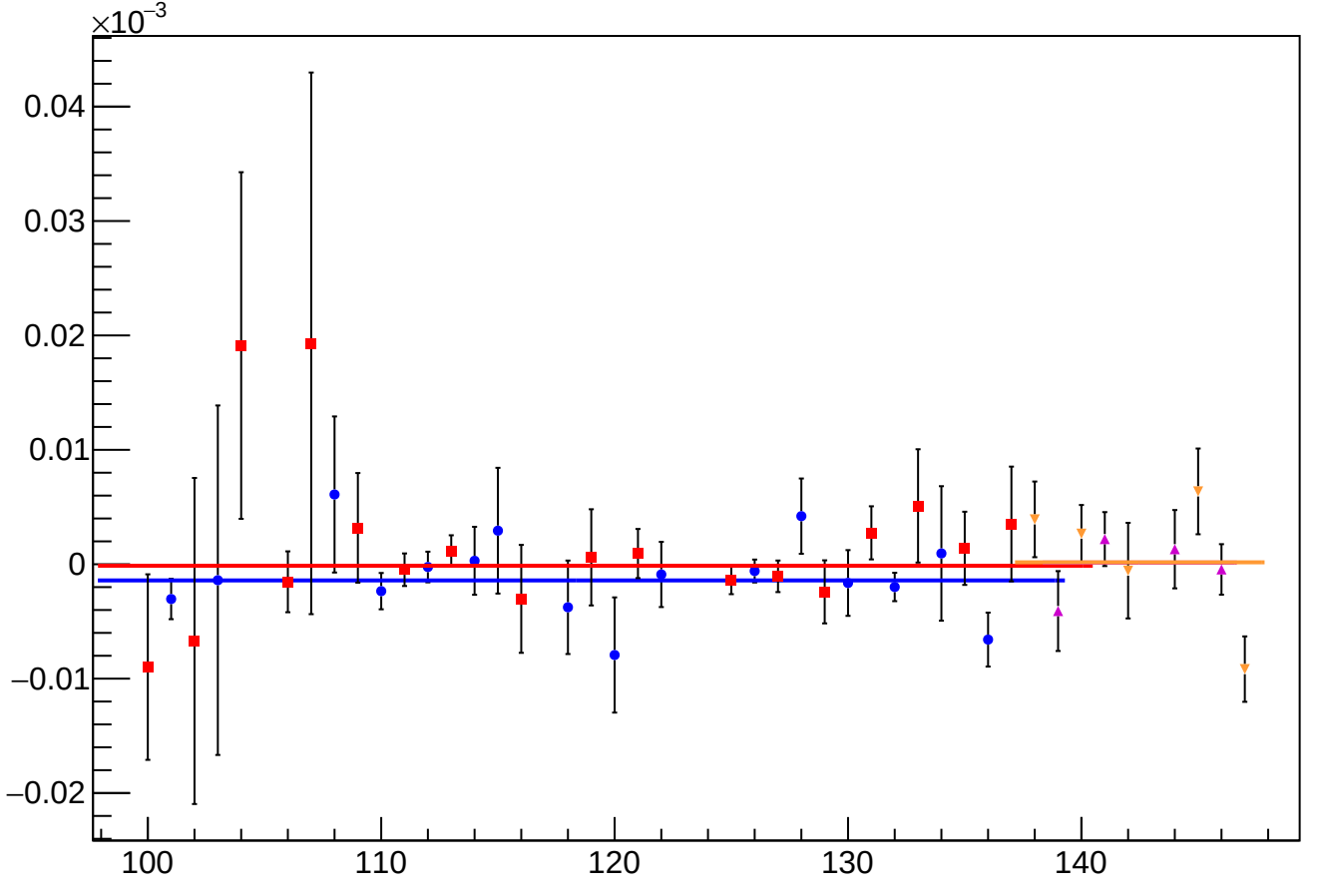
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

+ sign 53.919+/-0.013 χ^2/NDF: 3319918.2/20

All: 54.059+/-0.010 χ^2/NDF: 6918876.5/42

- sign 54.213+/-0.014 χ^2/NDF: 3598728.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/4

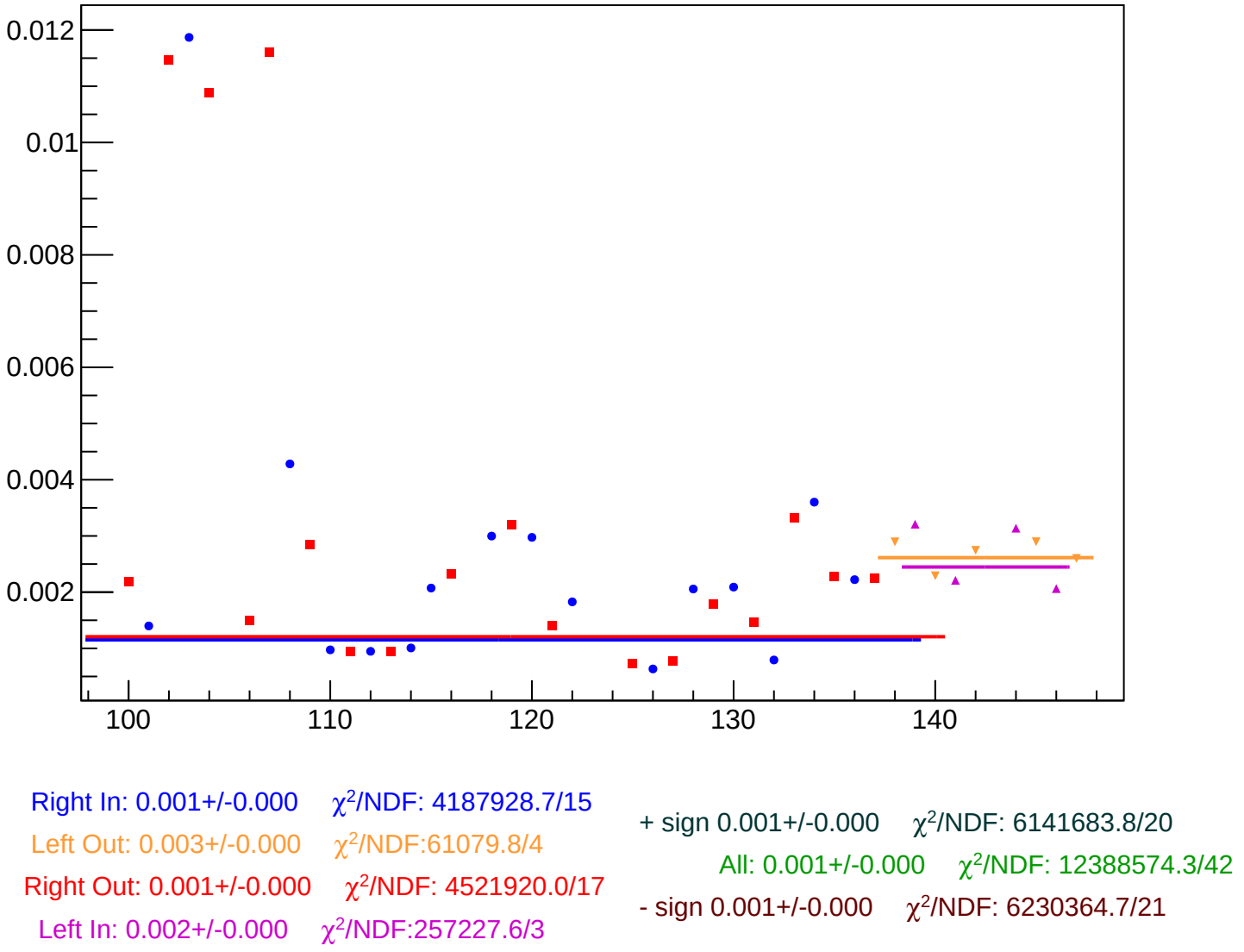
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

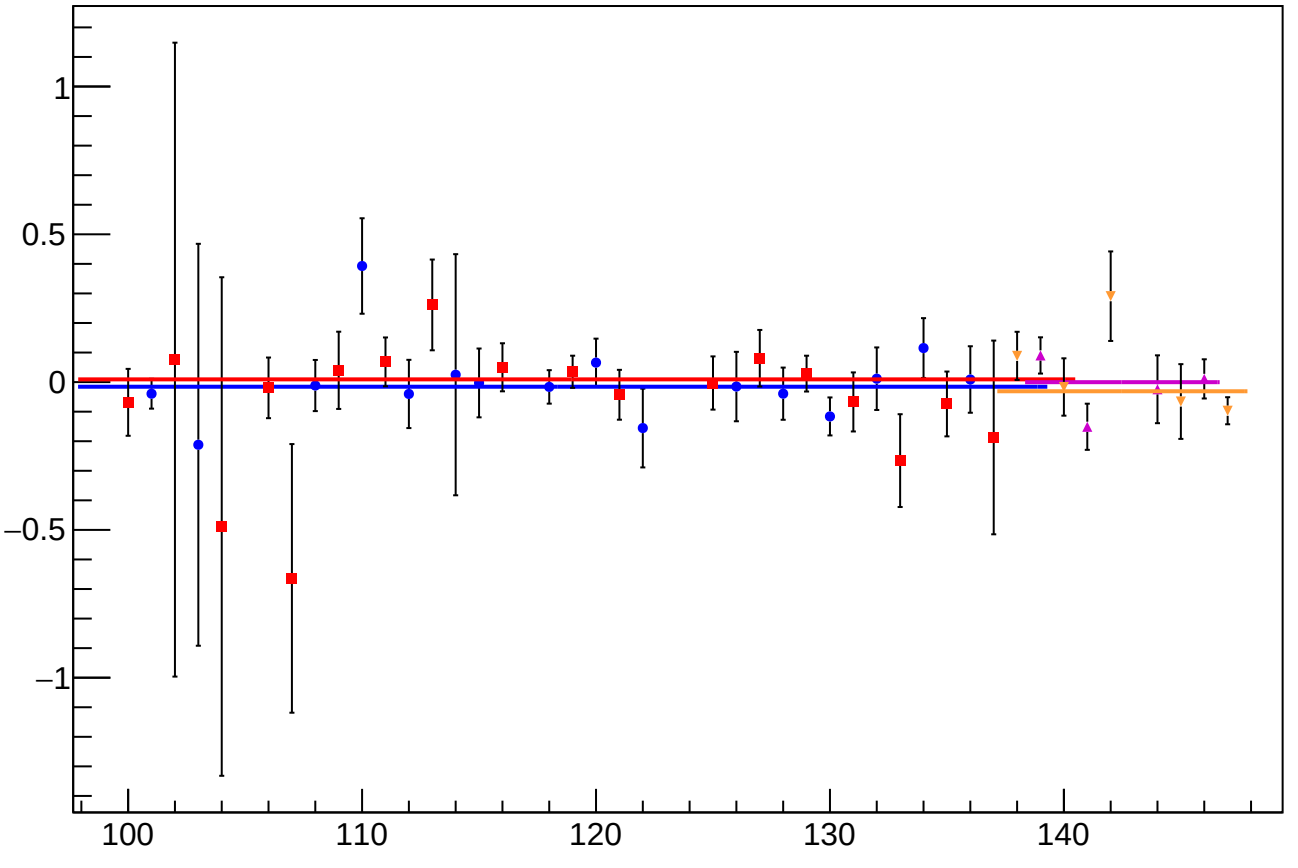
Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/20

All: -0.000+/-0.000 χ^2/NDF: 48.4/42

- sign -0.000+/-0.000 χ^2/NDF: 14.1/21


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.003+/-0.000 χ²/NDF:61079.8/4
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:257227.6/3
+ sign 0.001+/-0.000 χ²/NDF: 6141683.8/20
All: 0.001+/-0.000 χ²/NDF: 12388574.3/42
- sign 0.001+/-0.000 χ²/NDF: 6230364.7/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

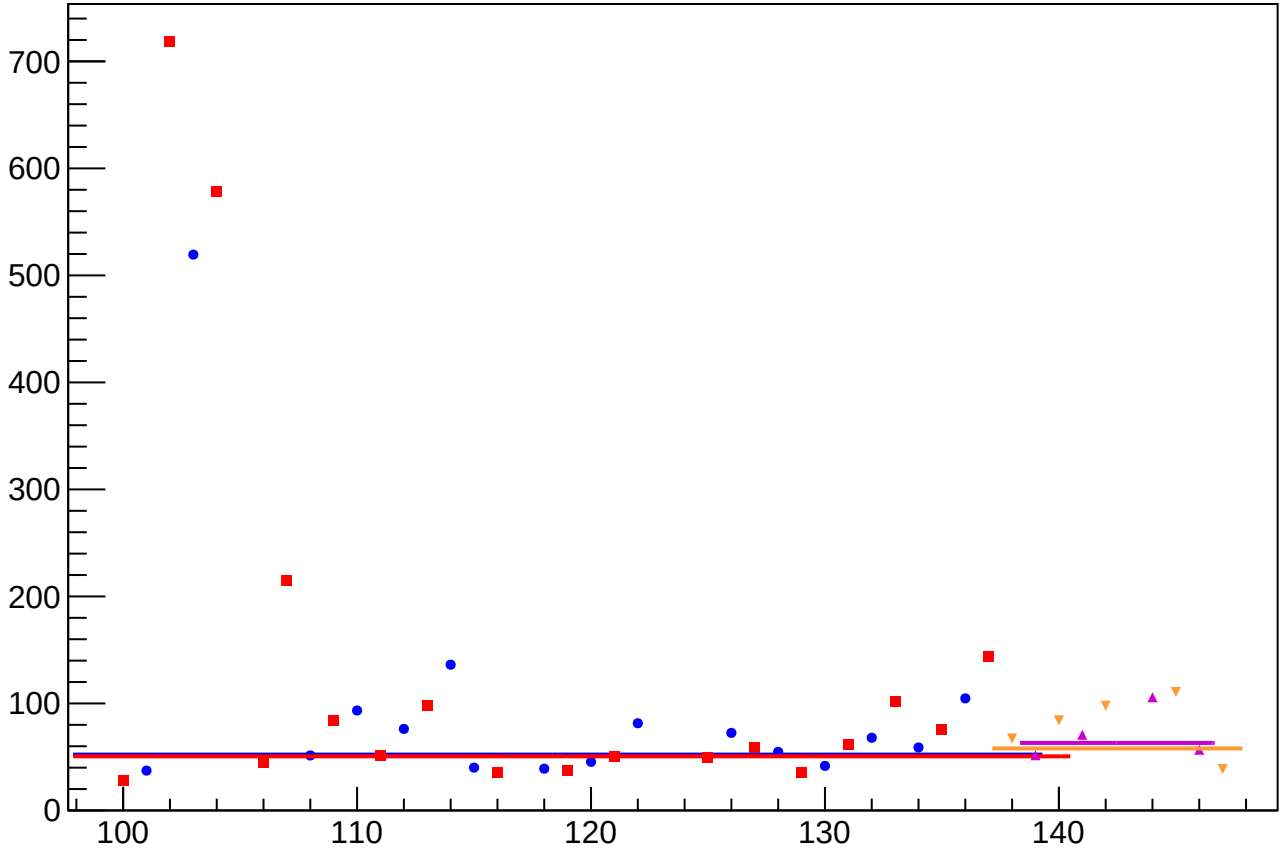
Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: -0.008+/-0.014 χ^2/NDF: 41.6/42

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21

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: 57.933+/-0.024 χ^2/NDF:1014236.8/4

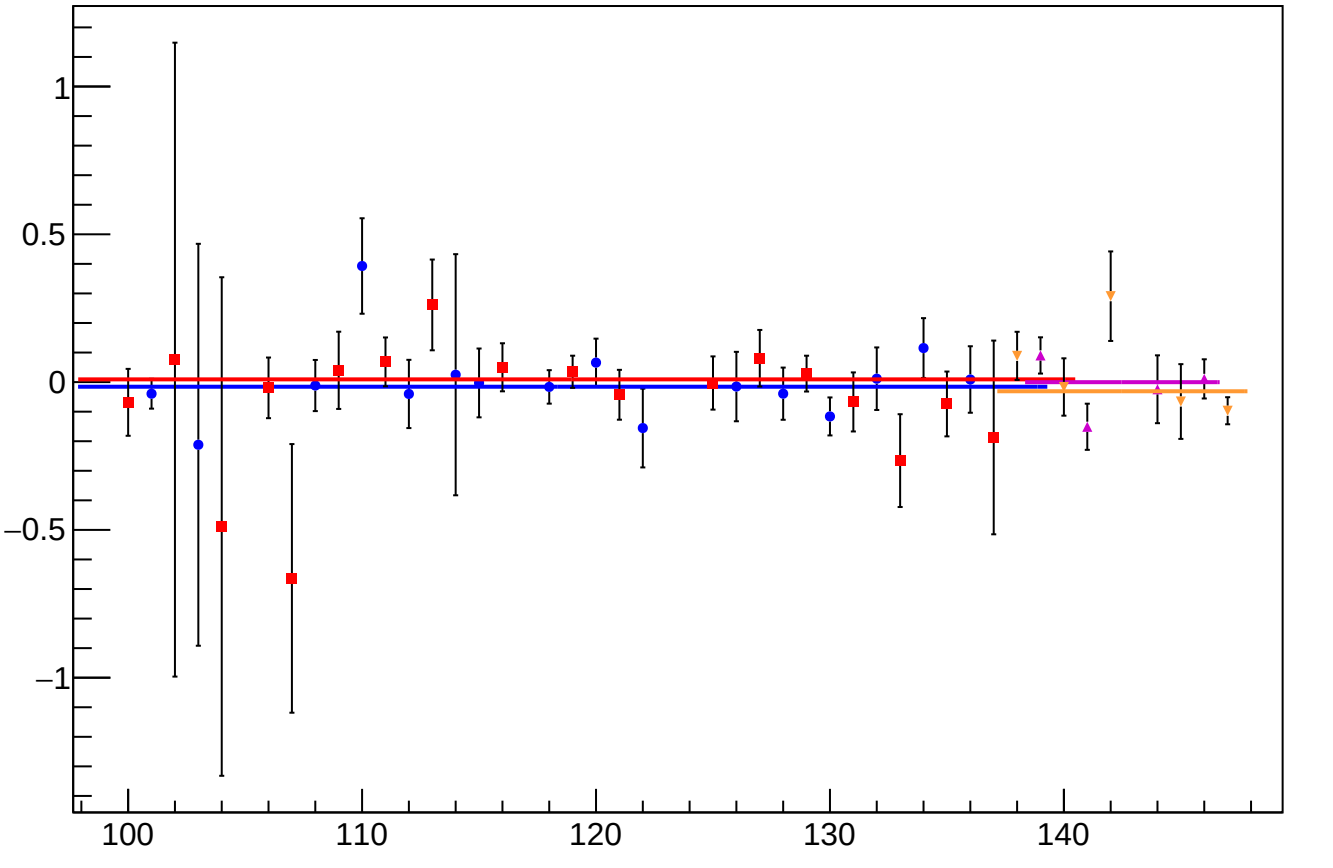
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

+ sign 53.919+/-0.013 χ^2/NDF: 3319883.1/20

All: 54.059+/-0.010 χ^2/NDF: 6918829.5/42

- sign 54.213+/-0.014 χ^2/NDF: 3598717.2/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

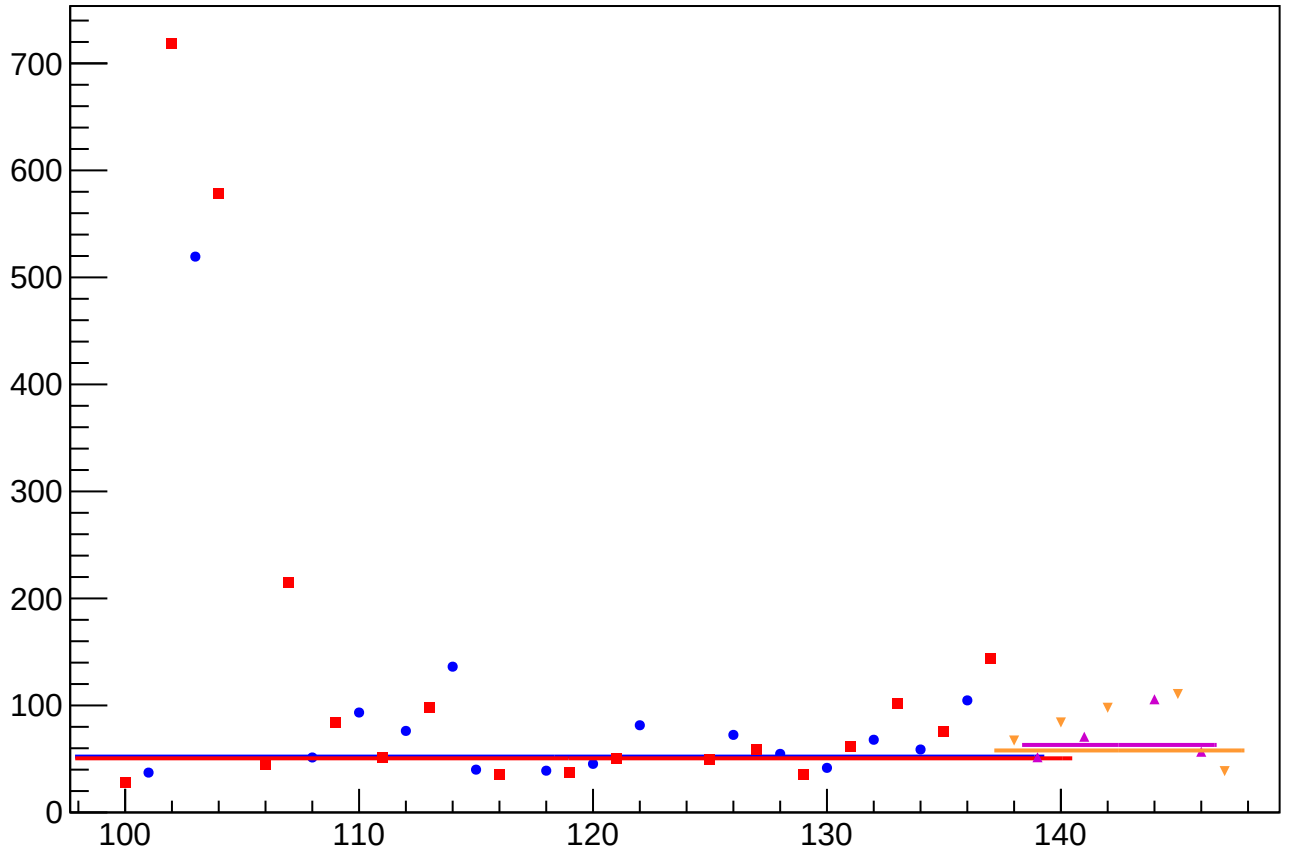
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: -0.008+/-0.014 χ^2/NDF: 41.6/42

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014236.8/4

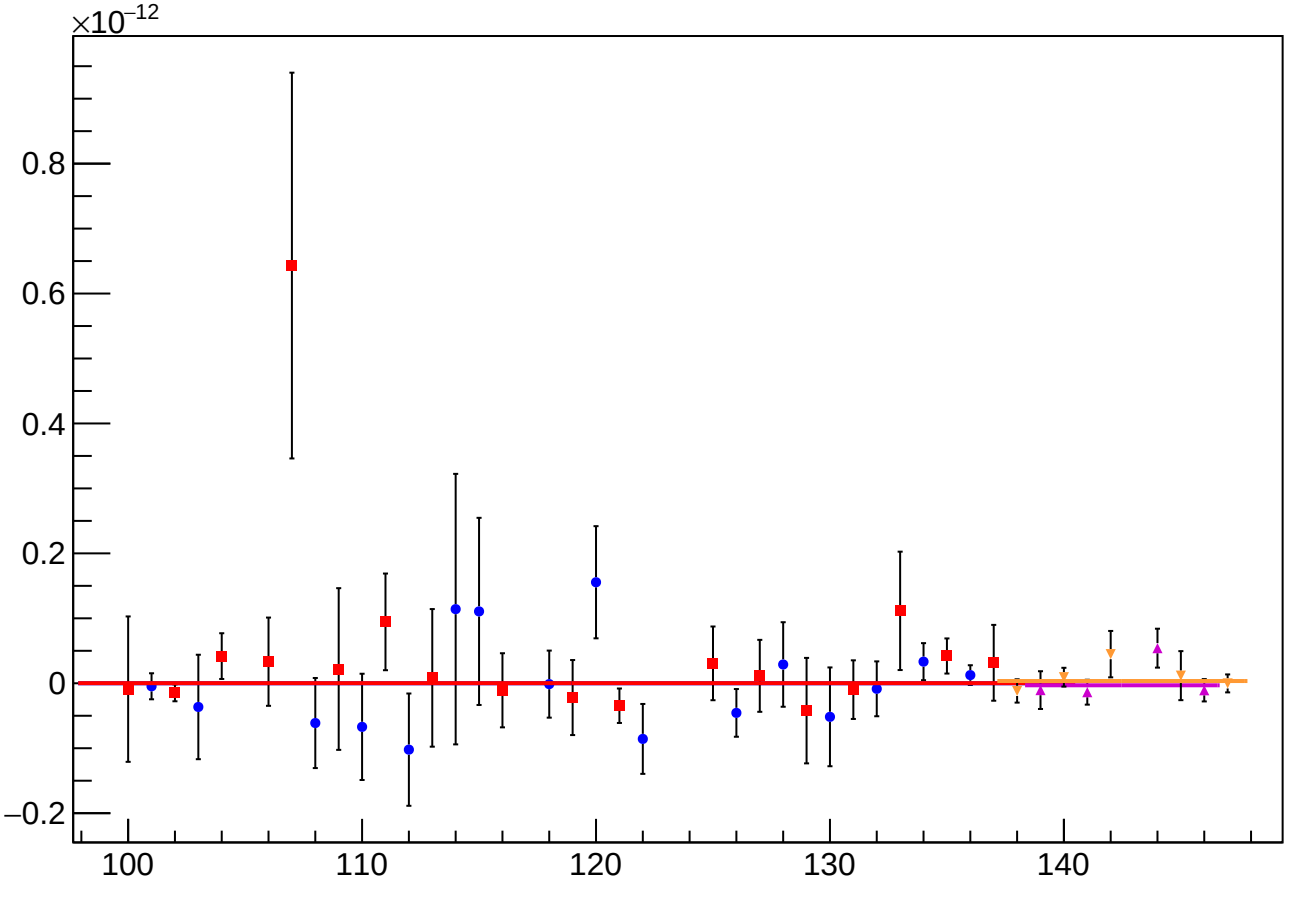
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

+ sign 53.919+/-0.013 χ^2/NDF: 3319883.1/20

All: 54.059+/-0.010 χ^2/NDF: 6918829.5/42

- sign 54.213+/-0.014 χ^2/NDF: 3598717.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

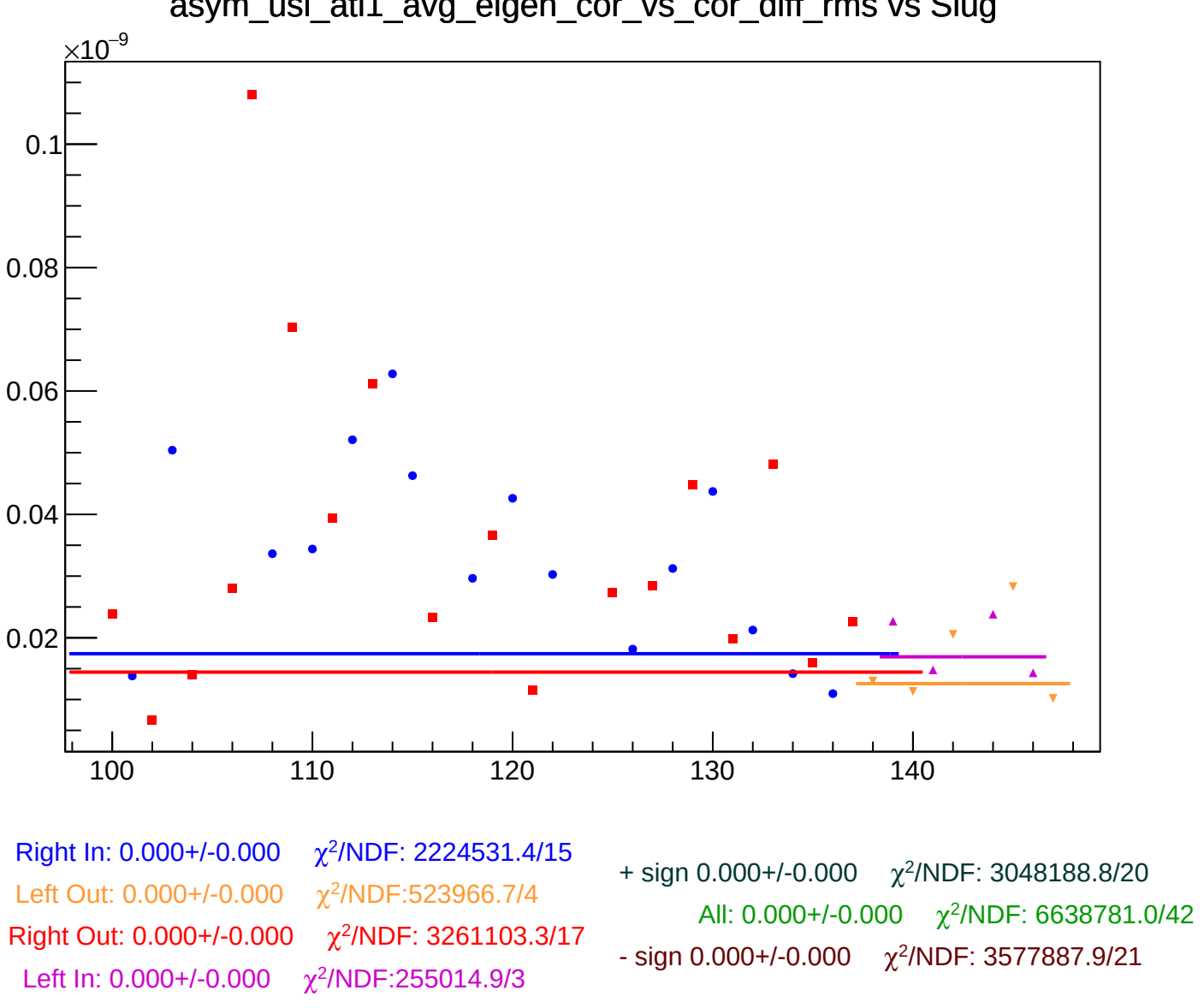
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

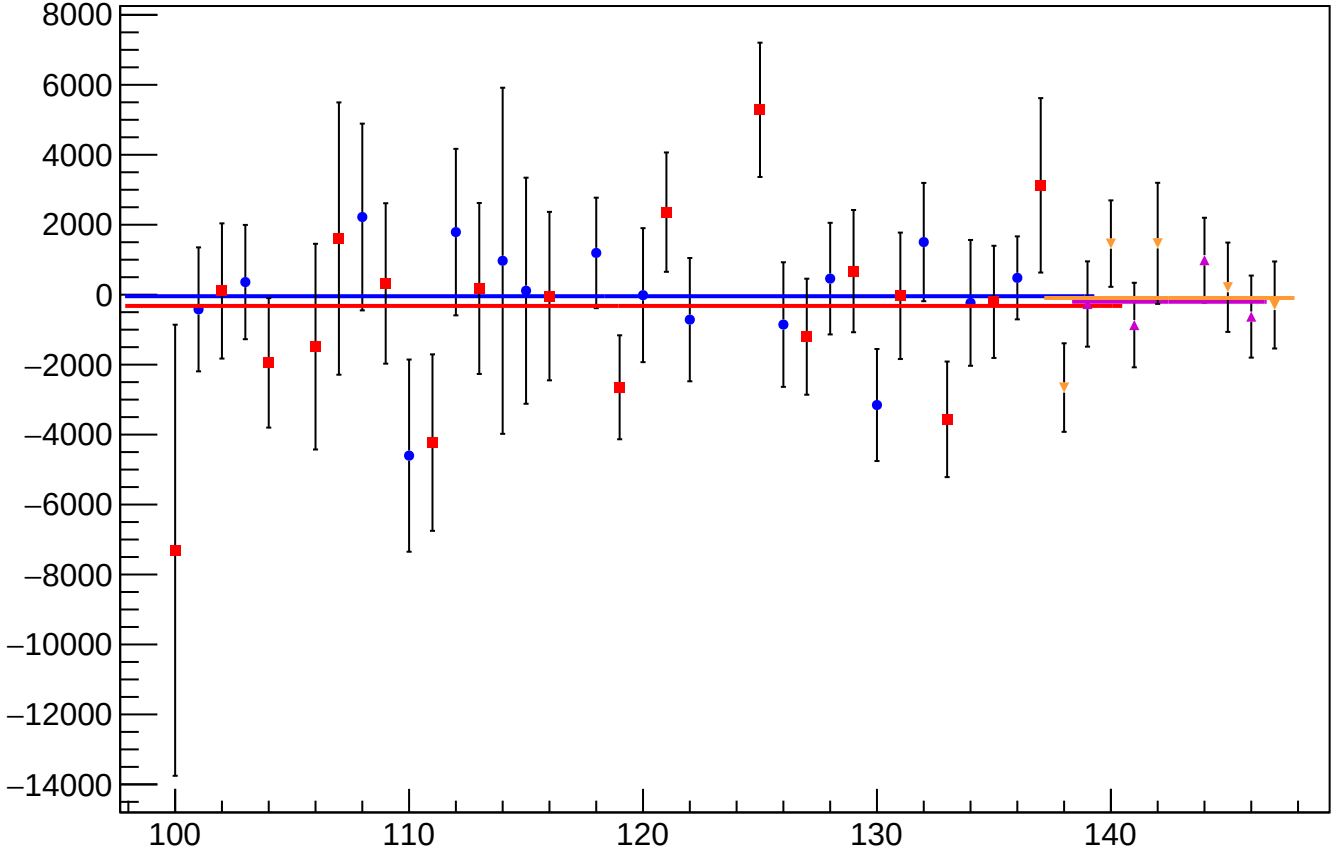
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/20

All: 0.000+/-0.000 χ^2/NDF: 36.9/42

- sign -0.000+/-0.000 χ^2/NDF: 20.3/21


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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:523966.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:255014.9/3
+ sign 0.000+/-0.000 χ²/NDF: 3048188.8/20
All: 0.000+/-0.000 χ²/NDF: 6638781.0/42
- sign 0.000+/-0.000 χ²/NDF: 3577887.9/21

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -94.064+/-590.024 χ^2/NDF:6.6/4

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

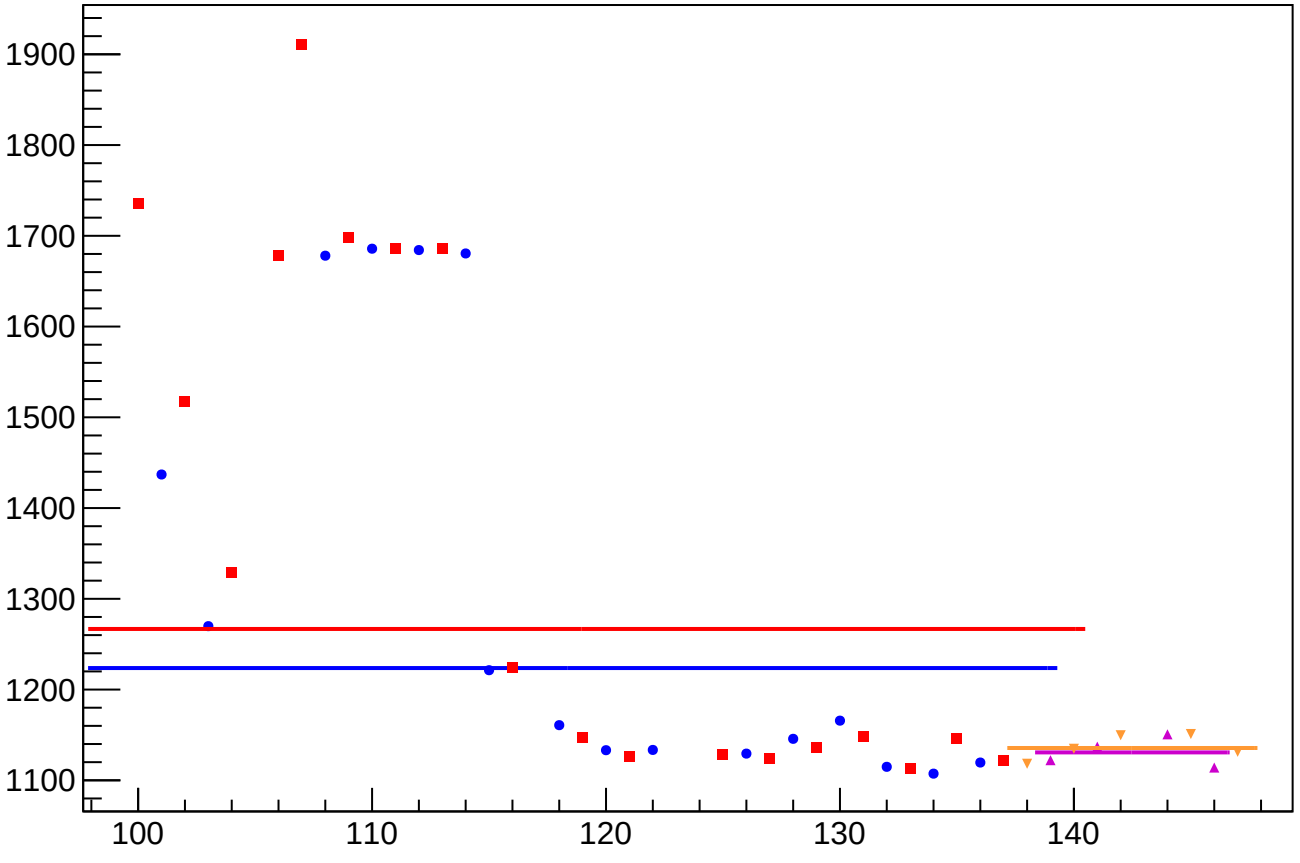
Left In: -201.909+/-601.537 χ^2/NDF:1.4/3

+ sign -62.688+/-362.394 χ^2/NDF: 16.7/20

All: -166.061+/-259.838 χ^2/NDF: 43.0/42

- sign -275.433+/-372.759 χ^2/NDF: 26.2/21

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

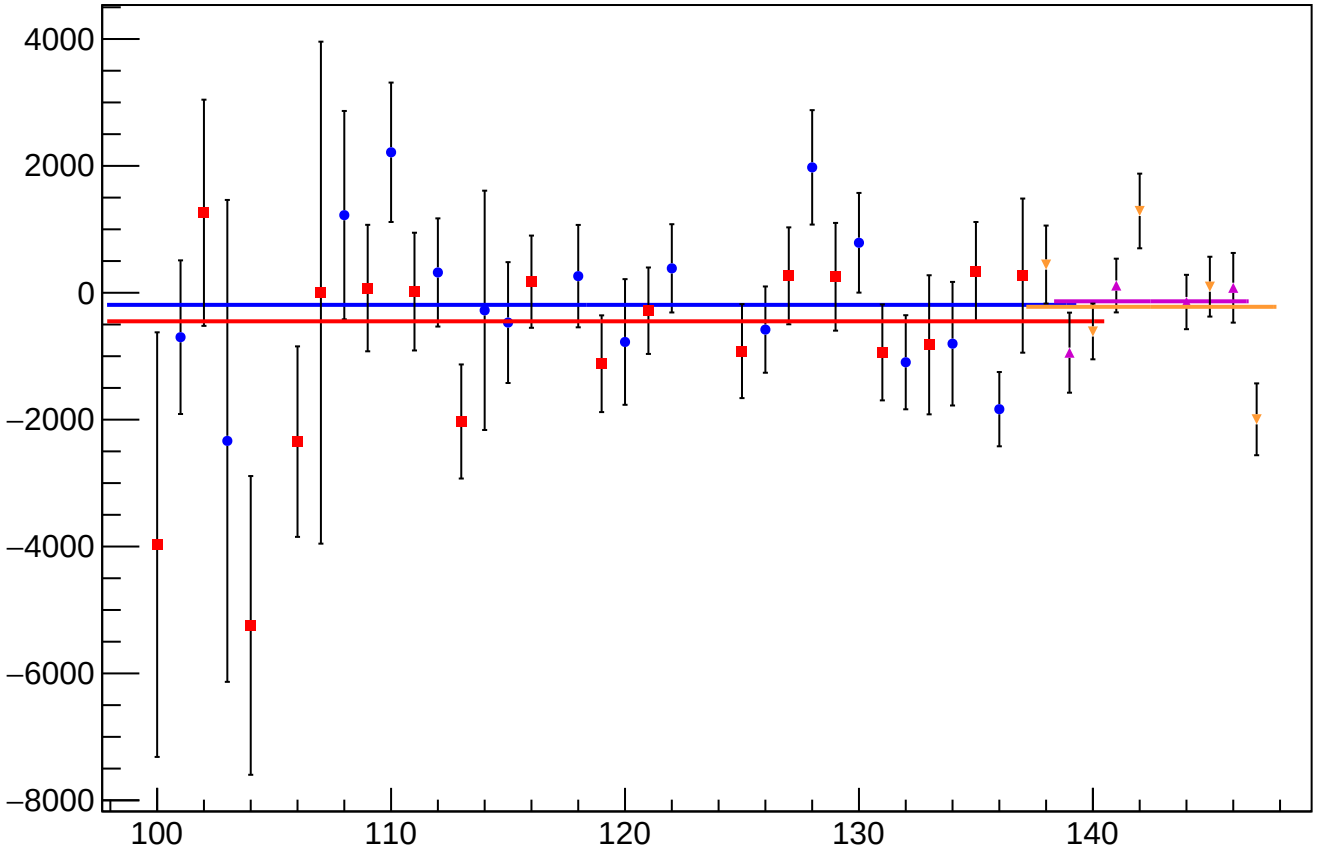
Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

+ sign 1190.474+/-0.256 χ^2/NDF: 323550.9/20

All: 1202.172+/-0.184 χ^2/NDF: 824772.1/42

- sign 1214.550+/-0.264 χ^2/NDF: 496931.9/21

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -221.350+/-233.504 χ^2/NDF:18.8/4

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

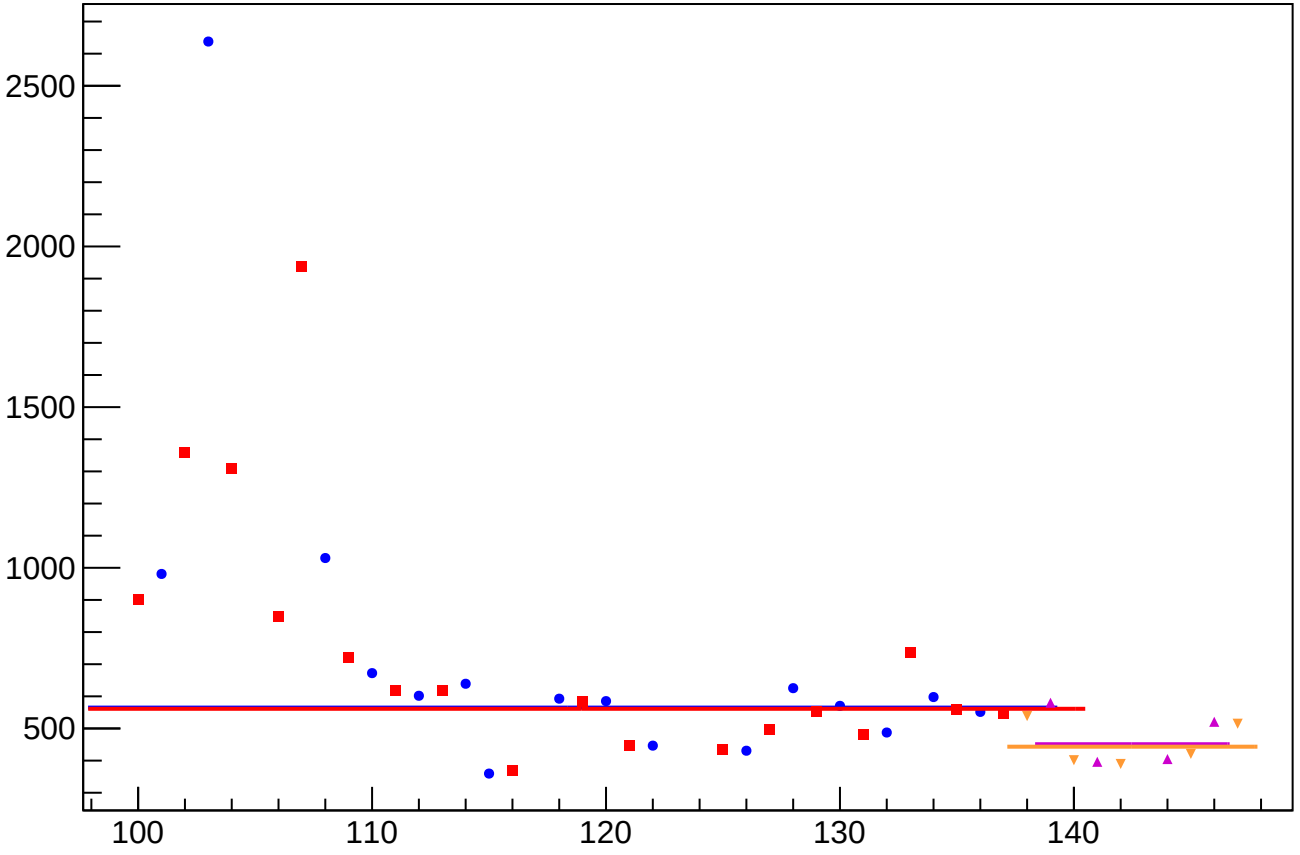
Left In: -134.608+/-243.573 χ^2/NDF:2.1/3

+ sign -205.277+/-161.221 χ^2/NDF: 44.1/20

All: -254.586+/-115.163 χ^2/NDF: 64.1/42

- sign -305.959+/-164.559 χ^2/NDF: 19.9/21

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 443.294+/-0.165 χ^2/NDF:119422.4/4

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

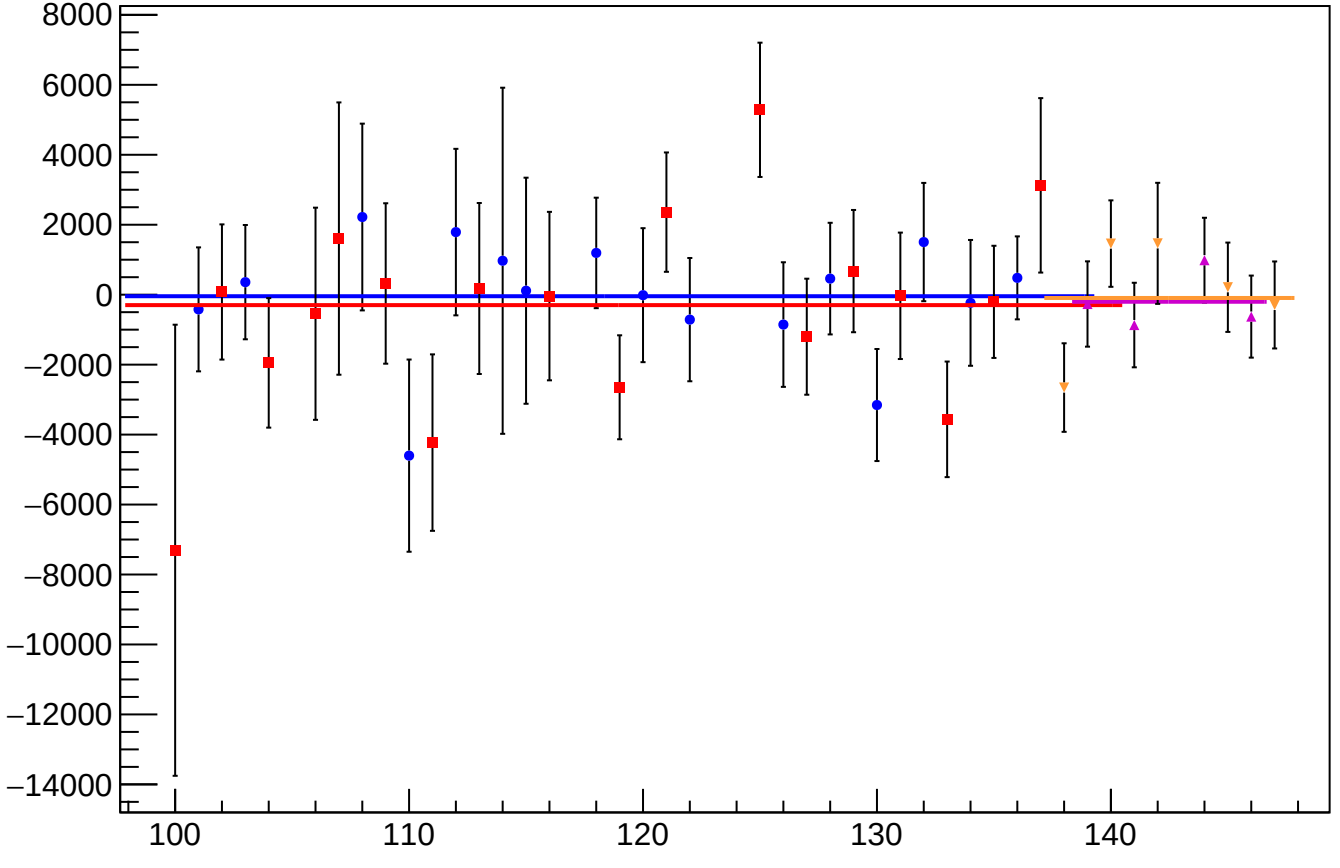
Left In: 450.975+/-0.172 χ^2/NDF:172555.3/3

+ sign 506.960+/-0.114 χ^2/NDF: 1688027.4/20

All: 508.896+/-0.081 χ^2/NDF: 3436210.9/42

- sign 510.912+/-0.116 χ^2/NDF: 1747594.9/21

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

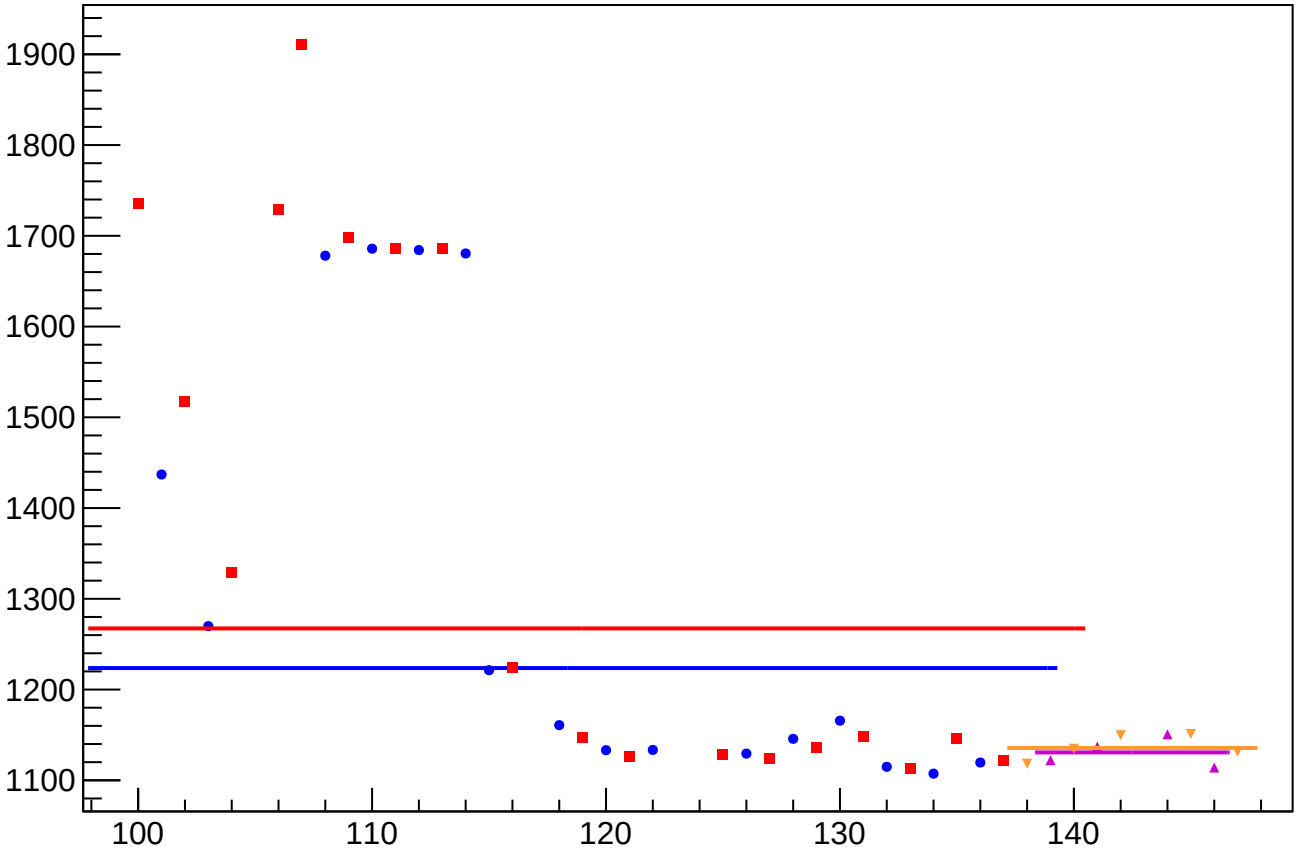
Left In: -201.825+/-601.537 χ^2/NDF:1.4/3

+ sign -62.787+/-362.394 χ^2/NDF: 16.7/20

All: -159.129+/-259.900 χ^2/NDF: 42.9/42

- sign -261.160+/-372.941 χ^2/NDF: 26.0/21

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

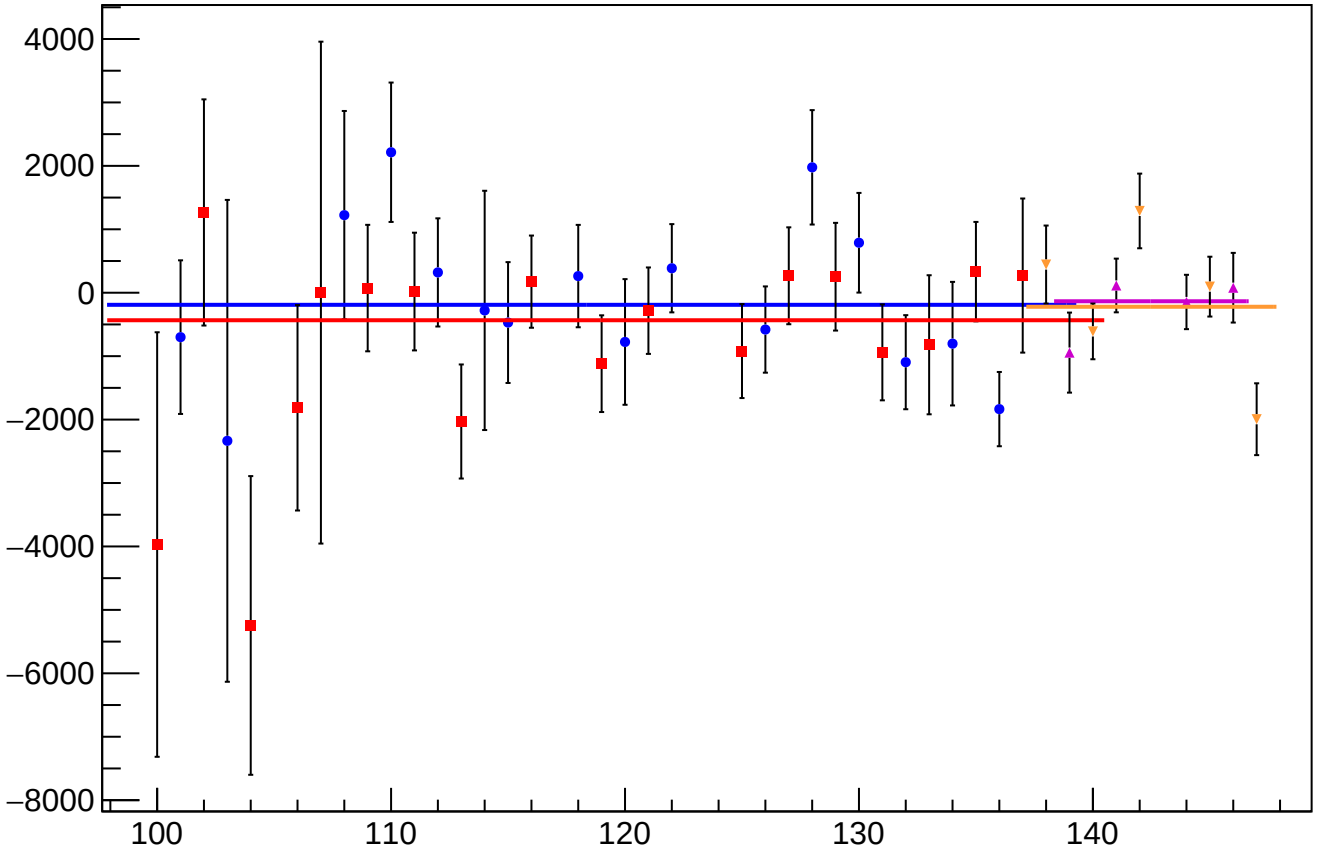
Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

+ sign 1190.474+/-0.256 χ^2/NDF: 323551.0/20

All: 1202.316+/-0.184 χ^2/NDF: 832520.5/42

- sign 1214.858+/-0.264 χ^2/NDF: 504571.9/21

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

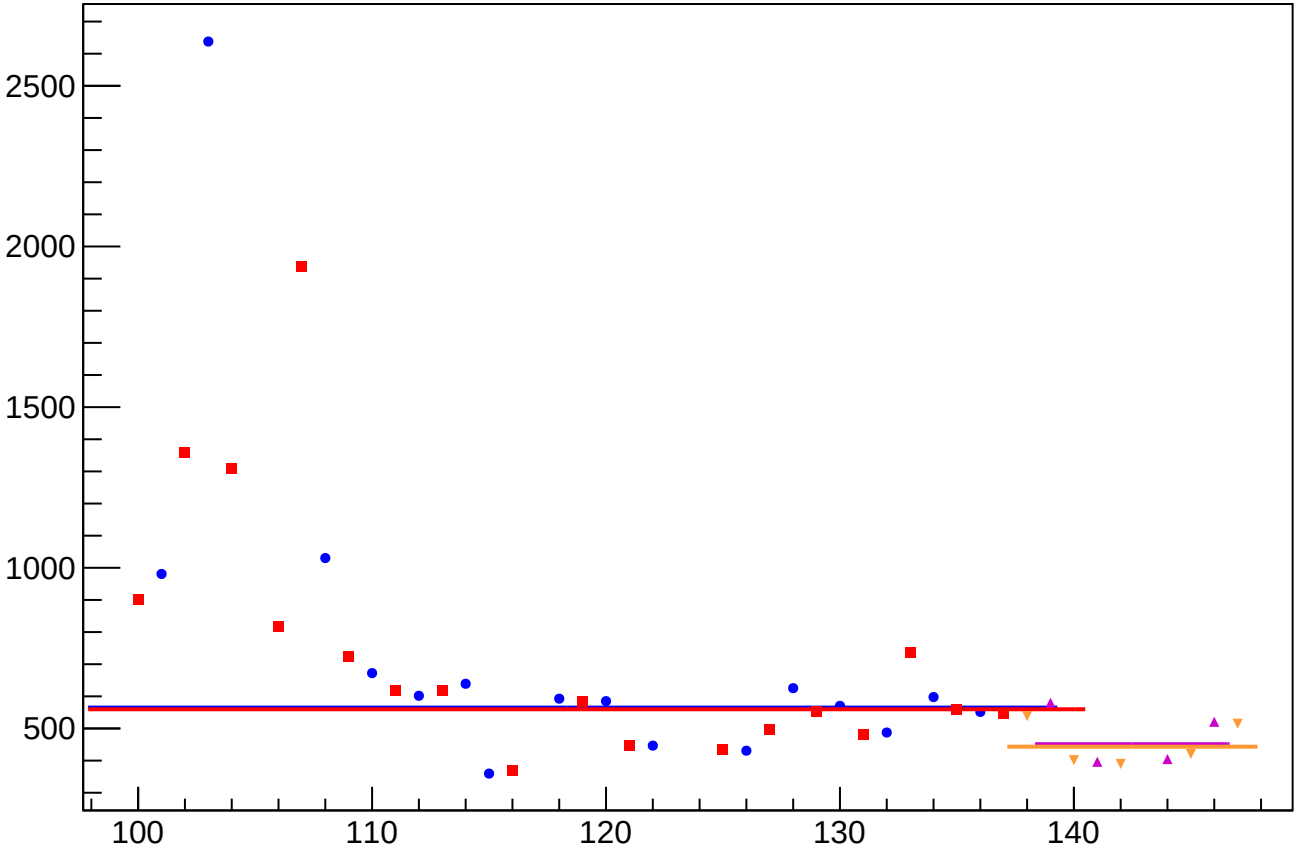
Left In: -134.514+/-243.573 χ^2/NDF:2.1/3

+ sign -205.285+/-161.220 χ^2/NDF: 44.1/20

All: -250.167+/-115.209 χ^2/NDF: 63.1/42

- sign -297.006+/-164.697 χ^2/NDF: 18.9/21

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

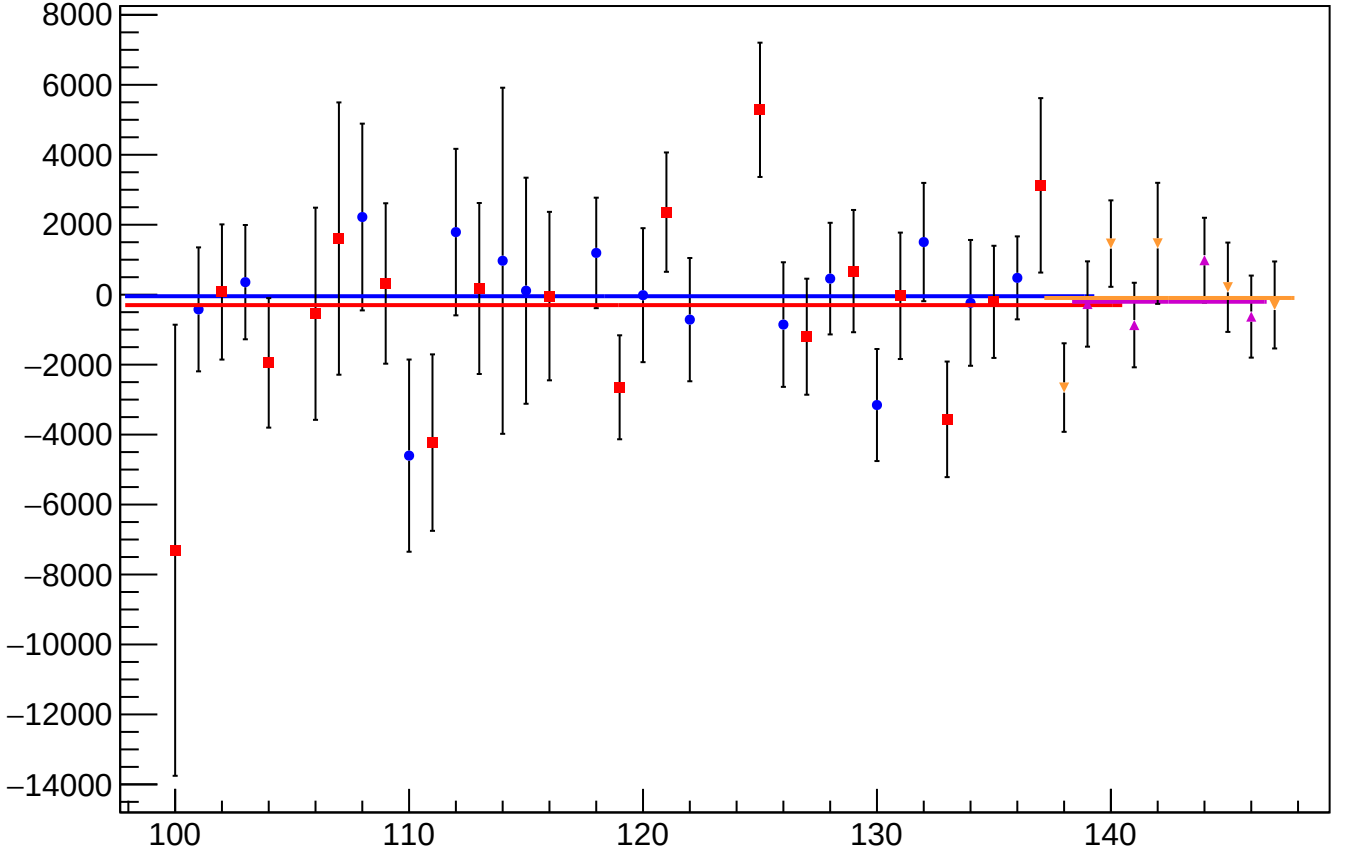
Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

+ sign 506.957+/-0.114 χ^2/NDF: 1687965.7/20

All: 508.457+/-0.081 χ^2/NDF: 3406751.9/42

- sign 510.022+/-0.116 χ^2/NDF: 1718432.5/21

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

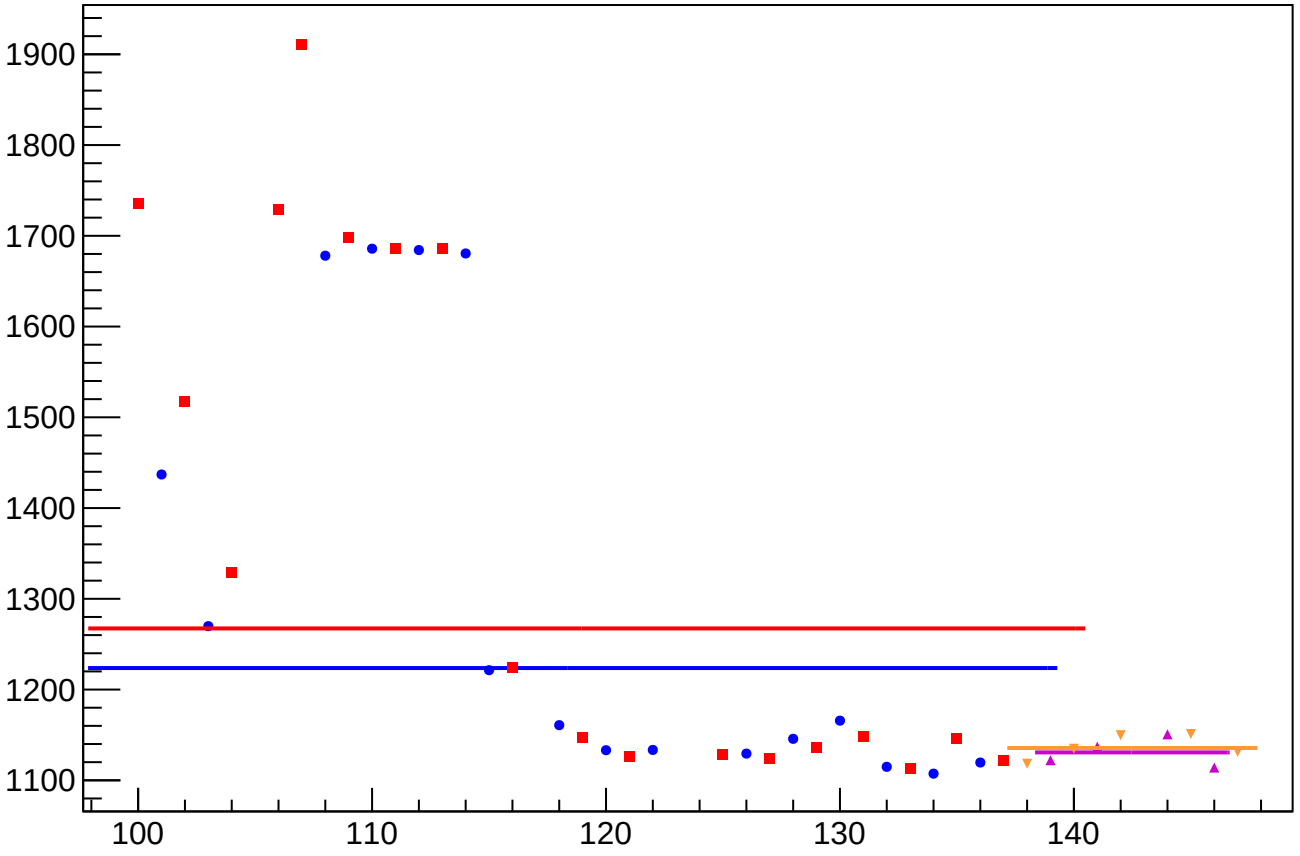
Left In: -201.825+/-601.537 χ^2/NDF:1.4/3

+ sign -62.787+/-362.394 χ^2/NDF: 16.7/20

All: -159.129+/-259.900 χ^2/NDF: 42.9/42

- sign -261.160+/-372.941 χ^2/NDF: 26.0/21

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

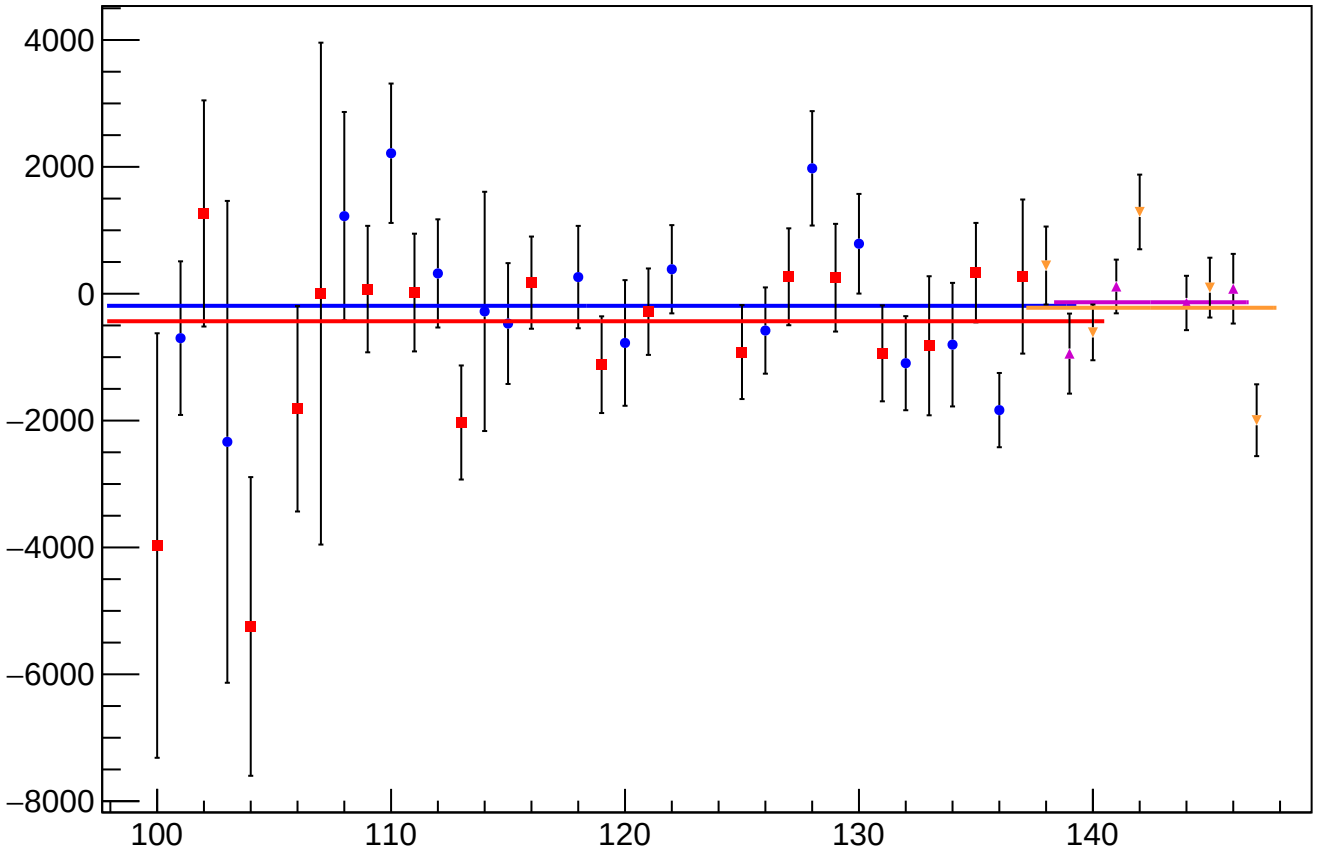
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

\+ sign 1190.474+/-0.256 χ^2/NDF: 323551.0/20

All: 1202.316+/-0.184 χ^2/NDF: 832520.5/42

\- sign 1214.858+/-0.264 χ^2/NDF: 504571.9/21



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

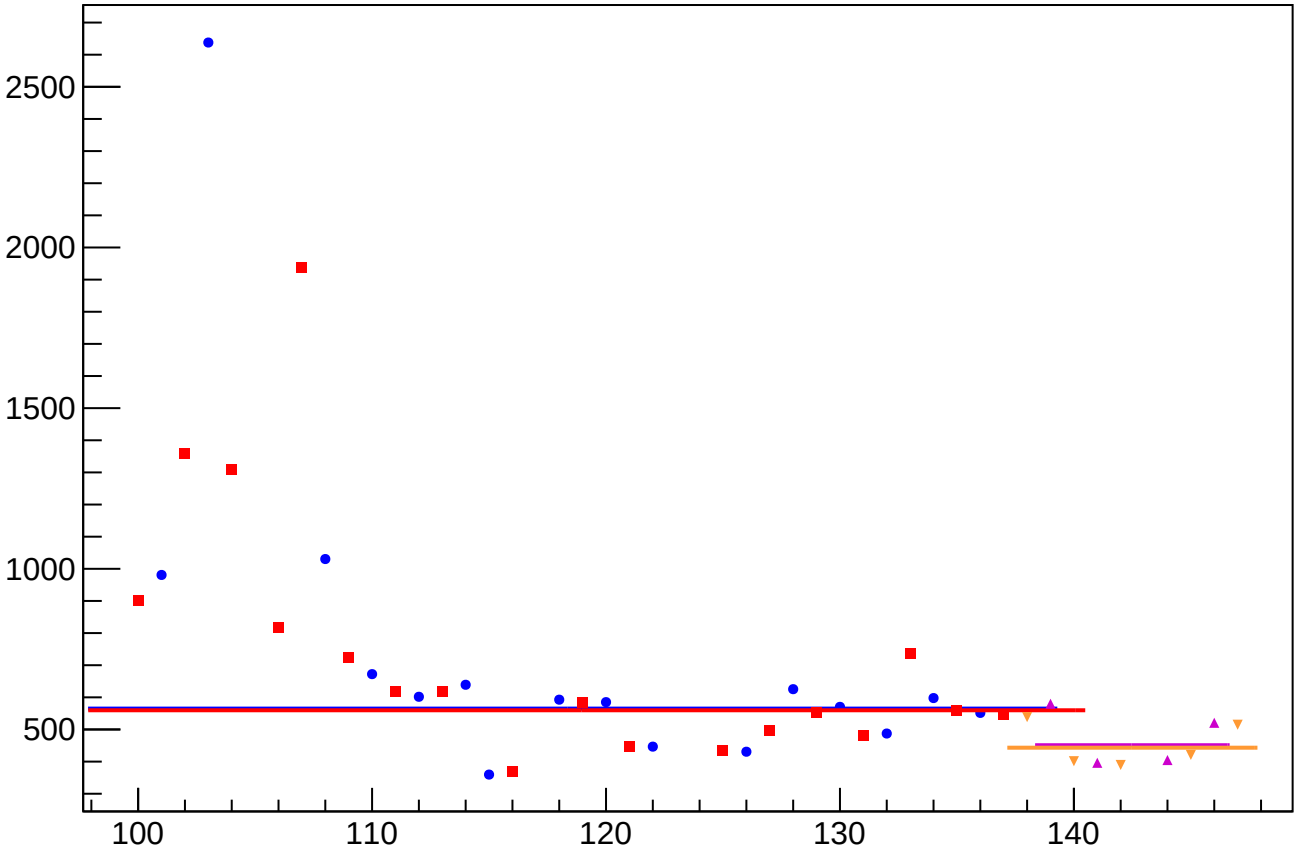
Left In: -134.514+/-243.573 χ^2/NDF:2.1/3

+ sign -205.285+/-161.220 χ^2/NDF: 44.1/20

All: -250.167+/-115.209 χ^2/NDF: 63.1/42

- sign -297.006+/-164.697 χ^2/NDF: 18.9/21

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

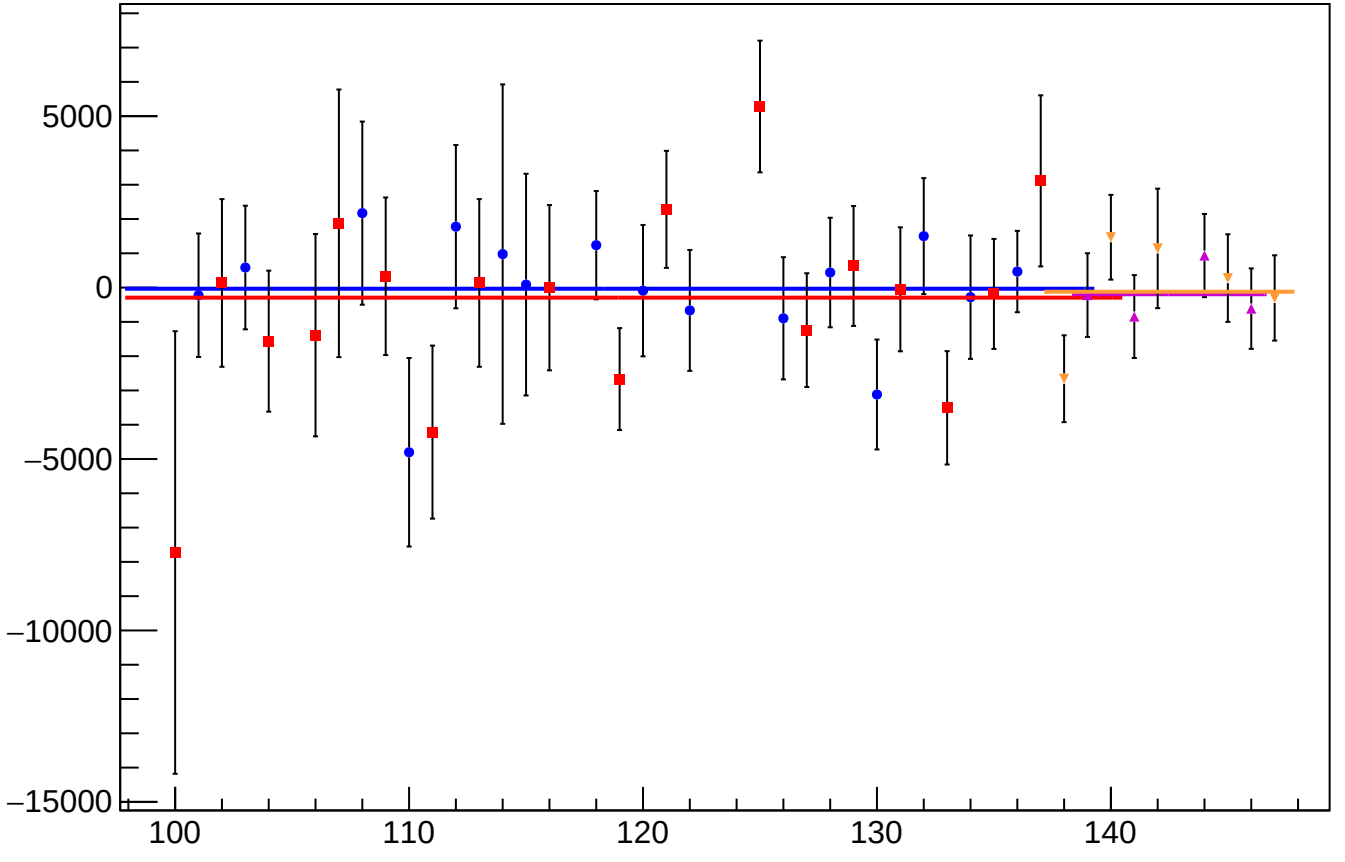
Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

+ sign 506.957+/-0.114 χ^2/NDF: 1687965.7/20

All: 508.457+/-0.081 χ^2/NDF: 3406751.9/42

- sign 510.022+/-0.116 χ^2/NDF: 1718432.5/21

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.735+/-590.741 χ^2/NDF:6.3/4

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

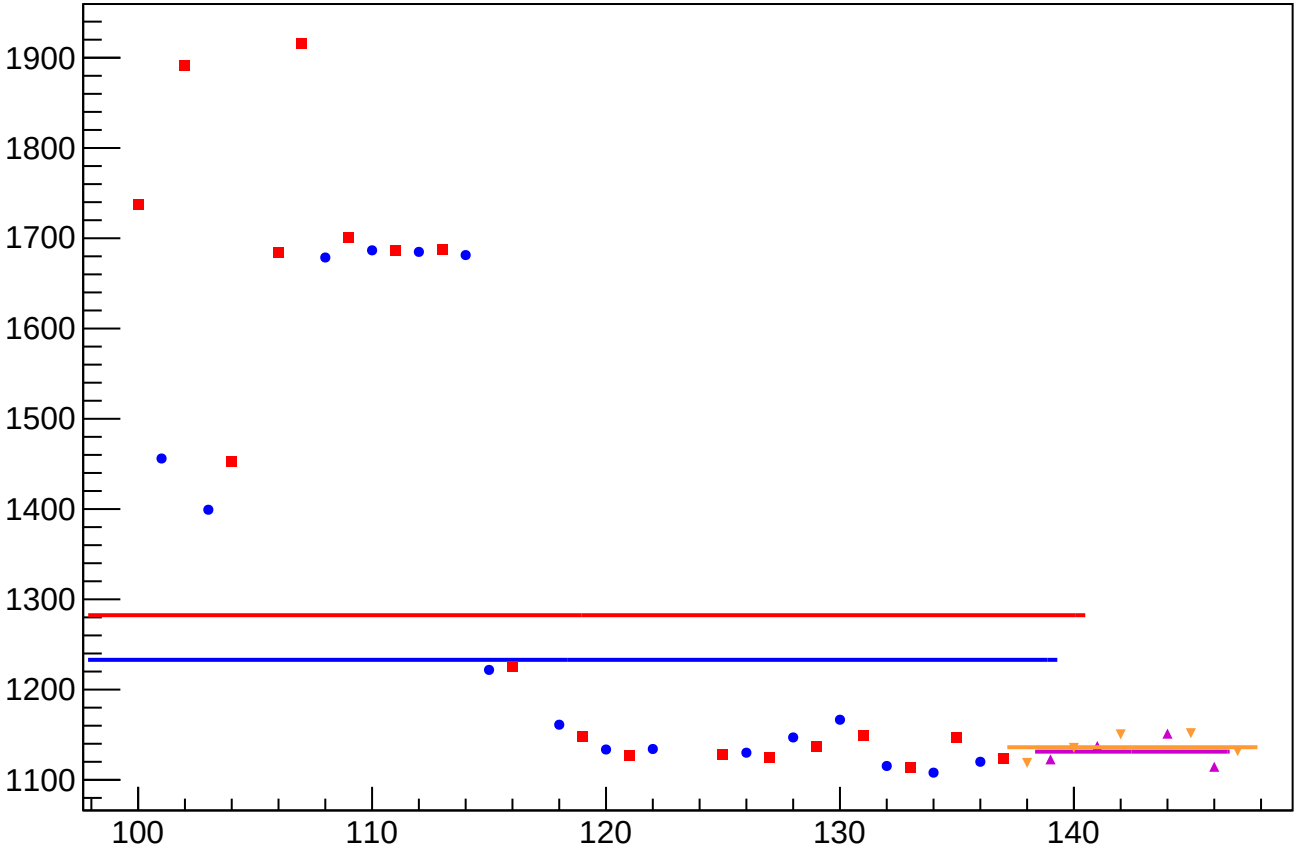
Left In: -193.913+/-601.799 χ^2/NDF:1.3/3

+ sign -66.444+/-364.516 χ^2/NDF: 16.6/20

All: -157.205+/-262.081 χ^2/NDF: 42.3/42

- sign -254.331+/-377.079 χ^2/NDF: 25.5/21

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

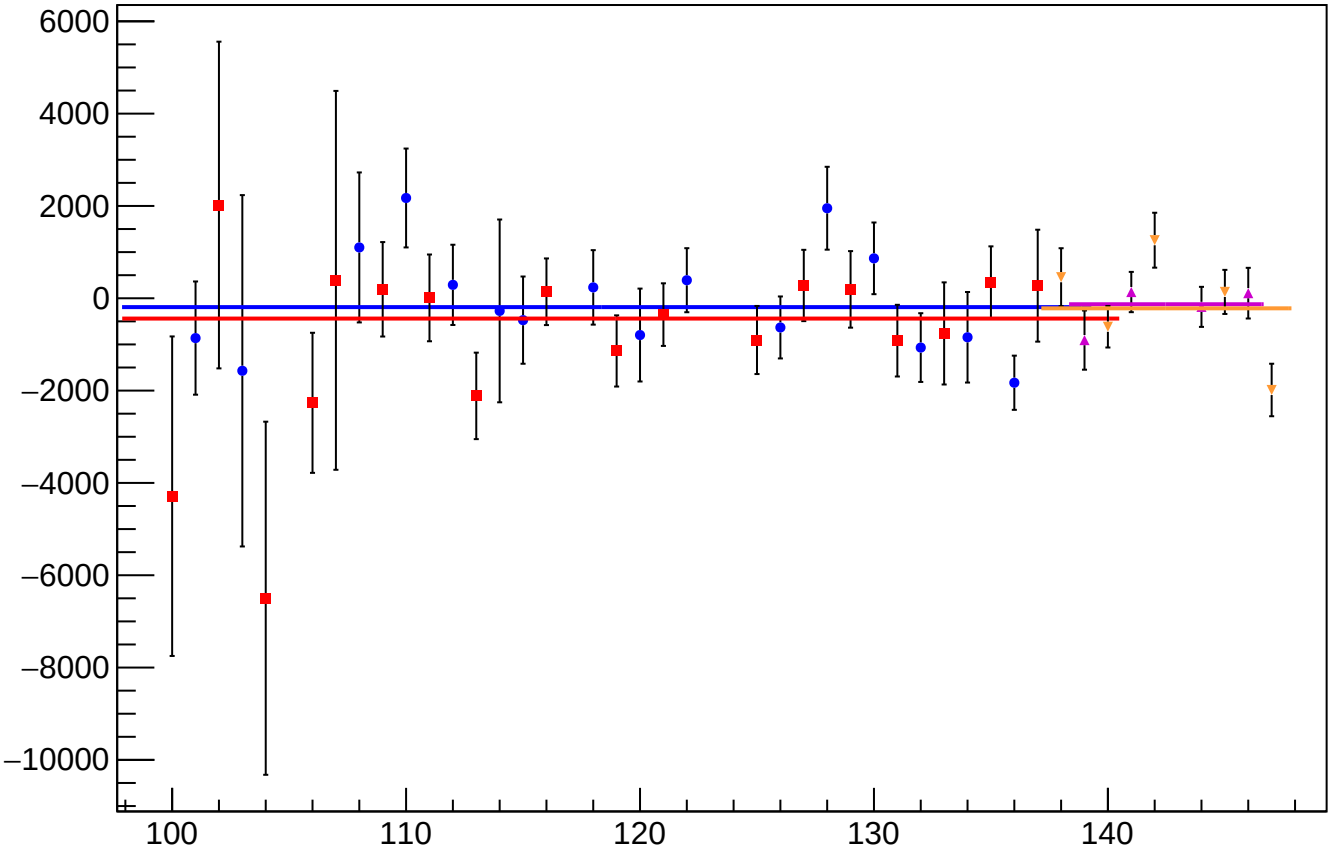
Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

+ sign 1196.101+/-0.258 χ^2/NDF: 349569.3/20

All: 1209.125+/-0.185 χ^2/NDF: 975993.2/42

- sign 1223.063+/-0.267 χ^2/NDF: 621138.0/21

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -217.870+/-237.115 χ^2/NDF:18.3/4

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

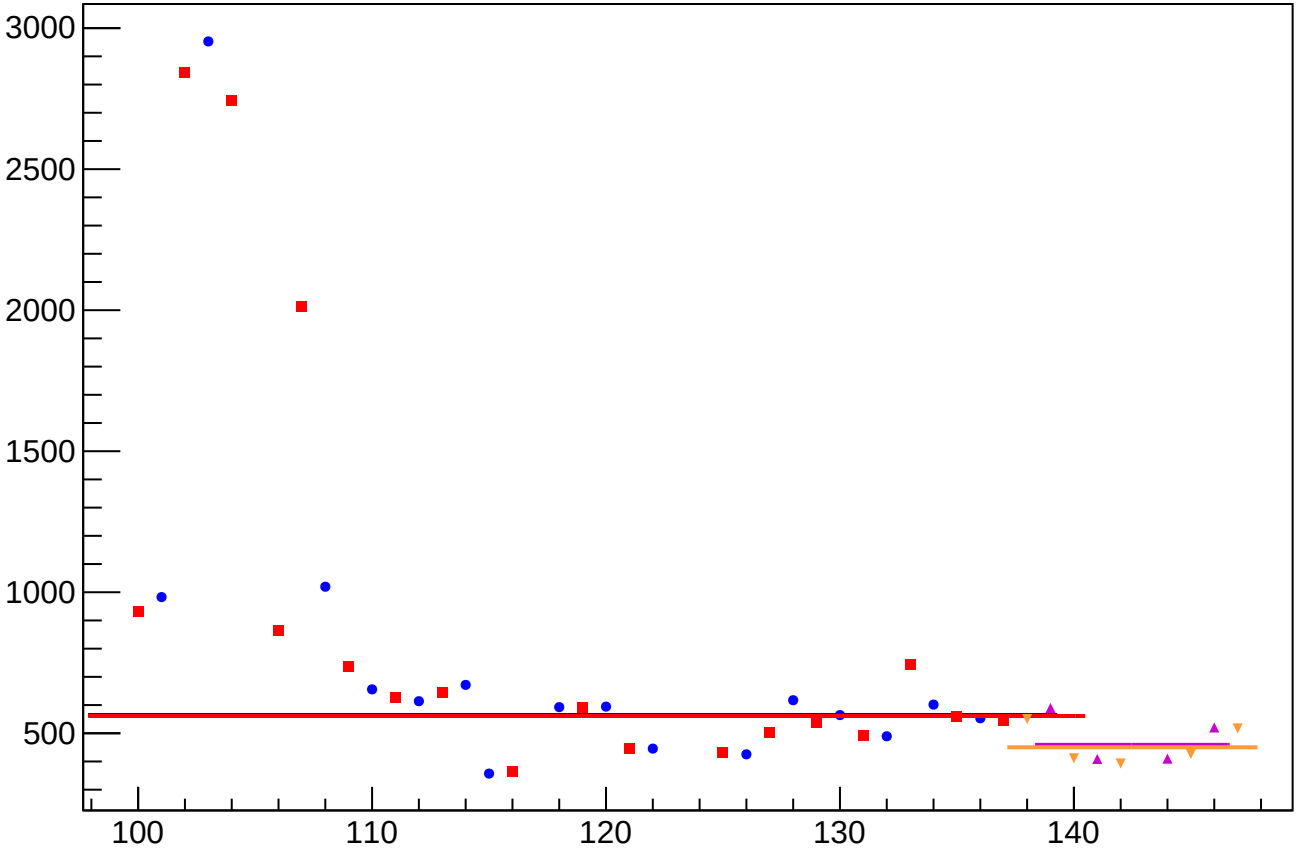
Left In: -129.554+/-247.532 χ^2/NDF:2.0/3

+ sign -203.878+/-162.354 χ^2/NDF: 43.6/20

All: -249.690+/-116.458 χ^2/NDF: 61.3/42

- sign -298.244+/-167.142 χ^2/NDF: 17.5/21

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 450.308+/-0.168 χ^2/NDF:117204.5/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

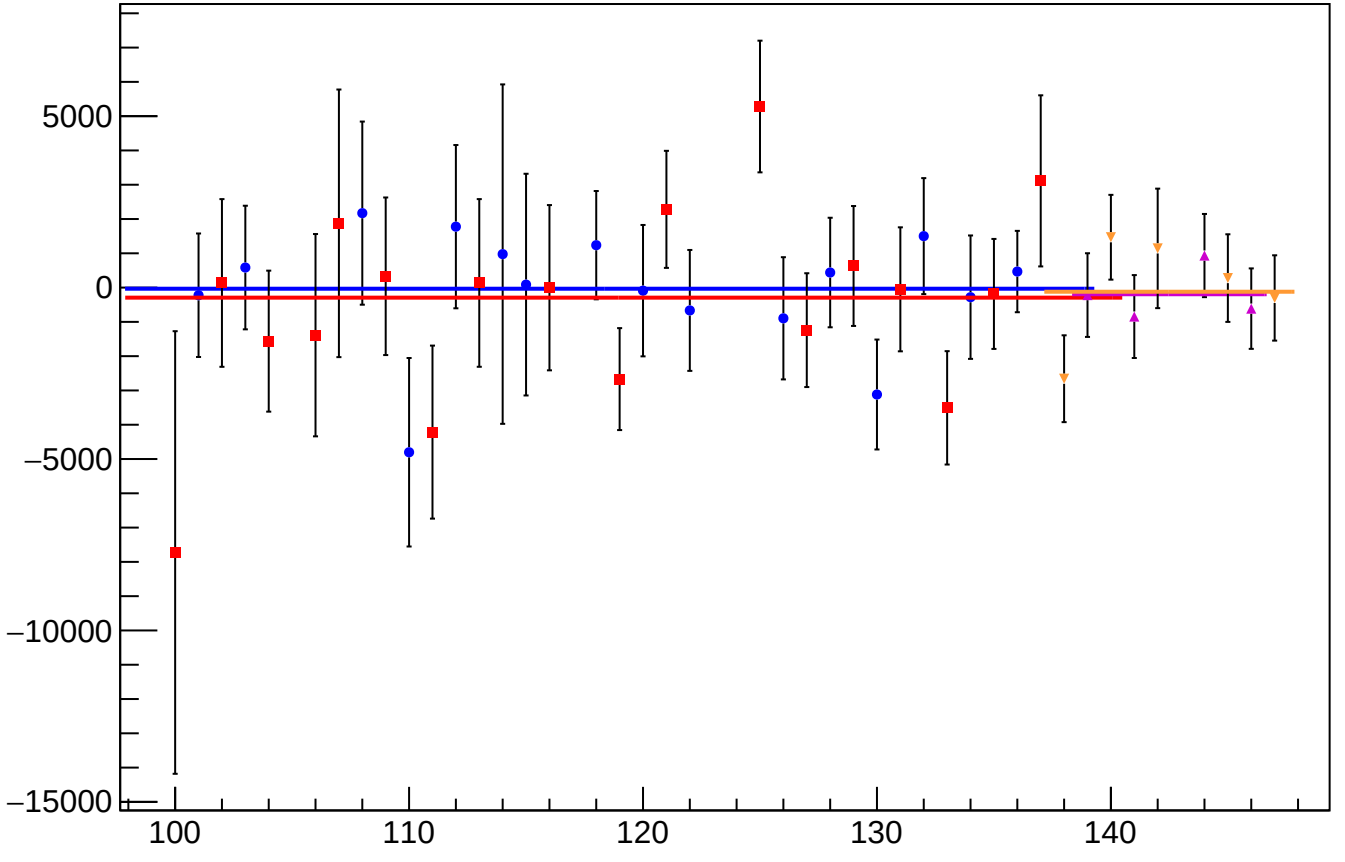
Left In: 458.934+/-0.175 χ^2/NDF:160071.3/3

\+ sign 511.161+/-0.115 χ^2/NDF: 1845573.4/20

All: 512.837+/-0.082 χ^2/NDF: 4465448.5/42

\- sign 514.613+/-0.118 χ^2/NDF: 2619436.3/21

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.737+/-590.741 χ^2/NDF:6.3/4

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

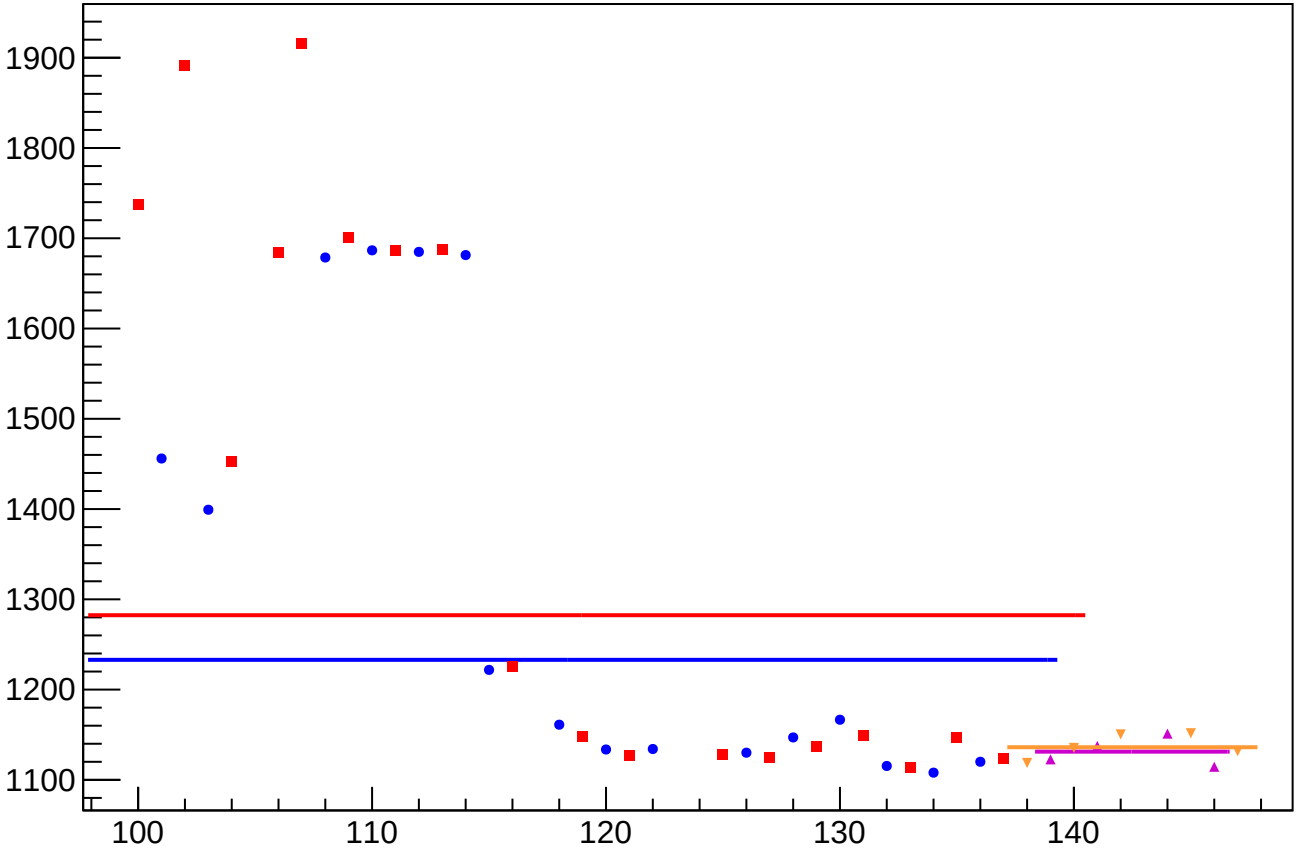
Left In: -193.914+/-601.799 χ^2/NDF:1.3/3

+ sign -66.444+/-364.516 χ^2/NDF: 16.6/20

All: -157.205+/-262.081 χ^2/NDF: 42.3/42

- sign -254.331+/-377.079 χ^2/NDF: 25.5/21

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

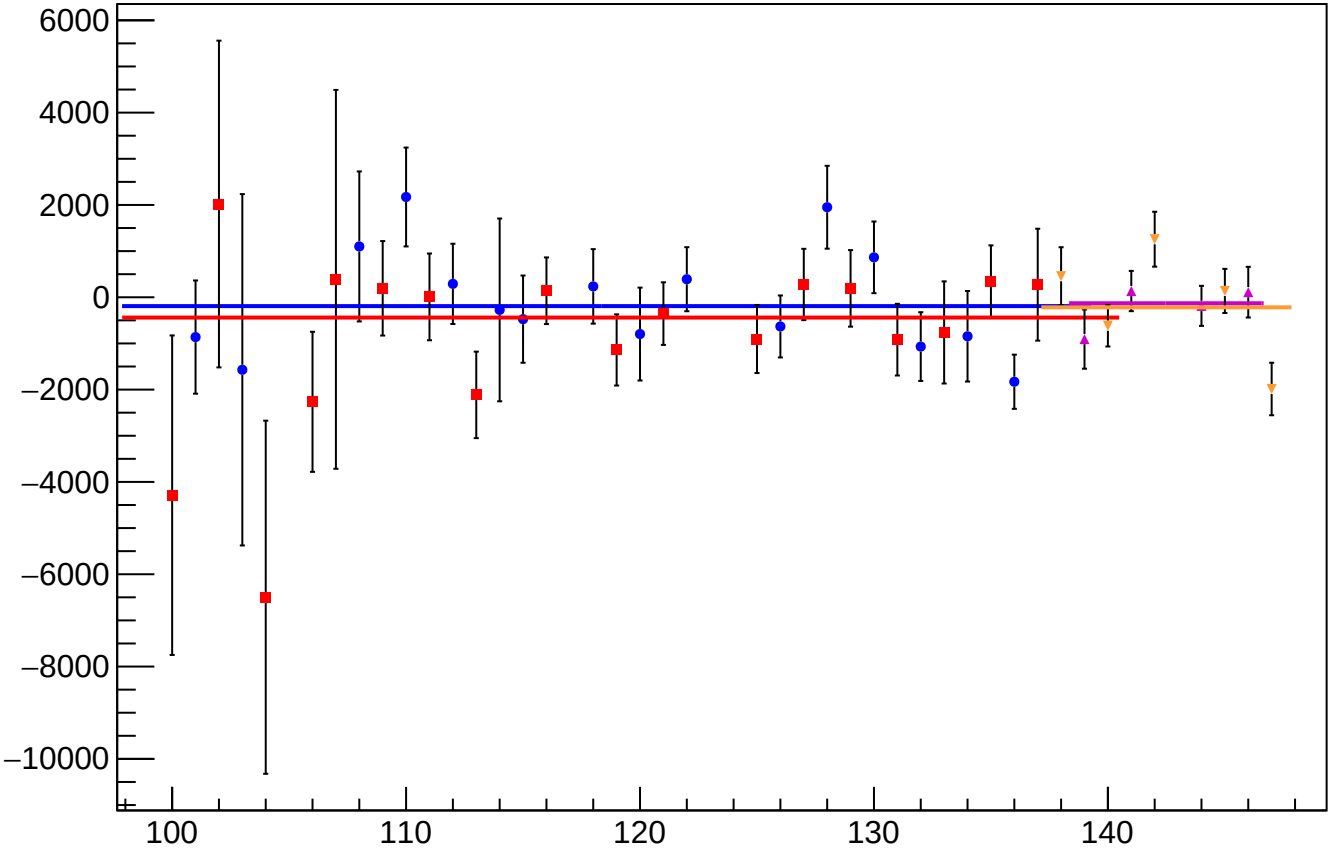
Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

+ sign 1196.101+/-0.258 χ^2/NDF: 349568.9/20

All: 1209.125+/-0.185 χ^2/NDF: 975992.1/42

- sign 1223.063+/-0.267 χ^2/NDF: 621137.4/21

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -217.868+/-237.115 χ^2/NDF:18.3/4

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

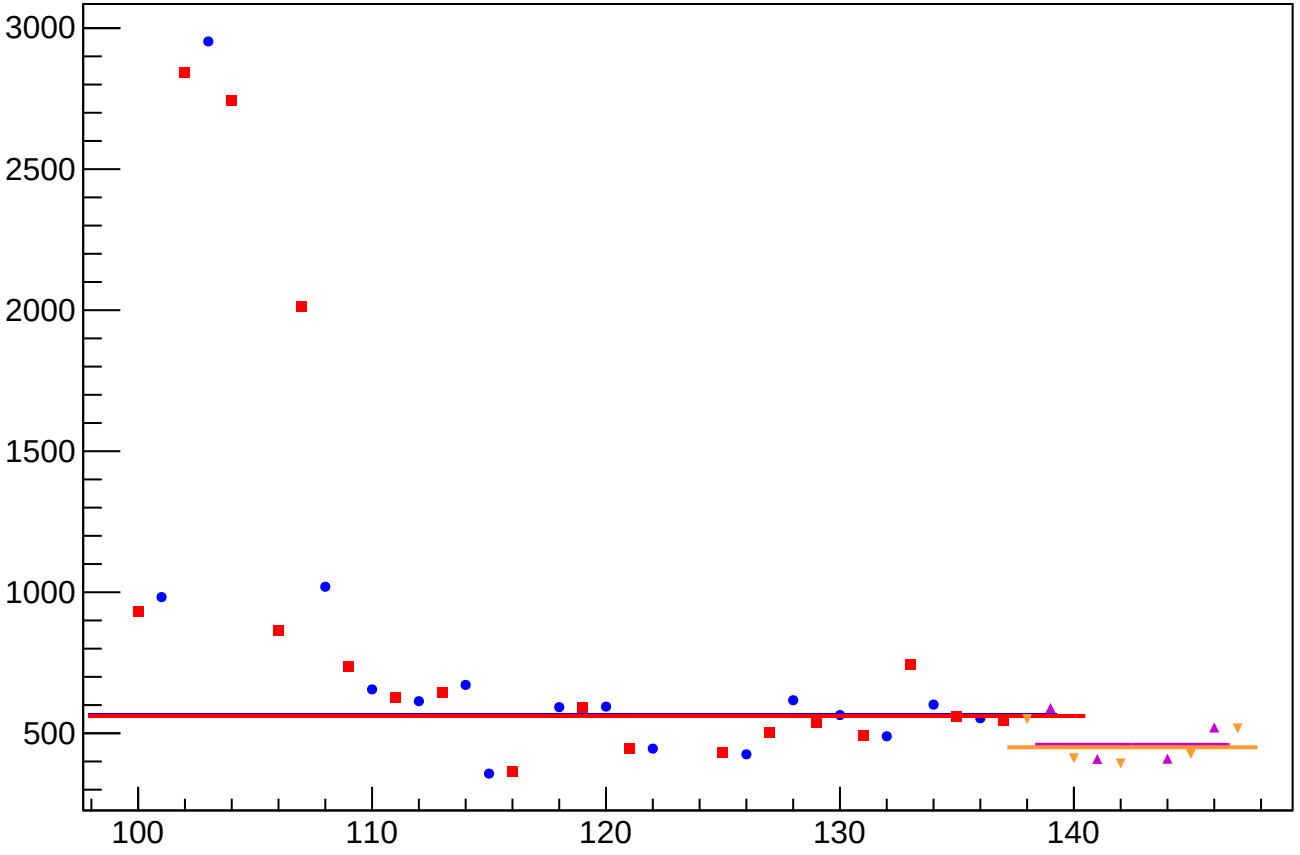
Left In: -129.554+/-247.531 χ^2/NDF:2.0/3

+ sign -203.876+/-162.354 χ^2/NDF: 43.6/20

All: -249.689+/-116.457 χ^2/NDF: 61.3/42

- sign -298.243+/-167.141 χ^2/NDF: 17.5/21

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 450.306+/-0.168 χ^2/NDF:117211.4/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

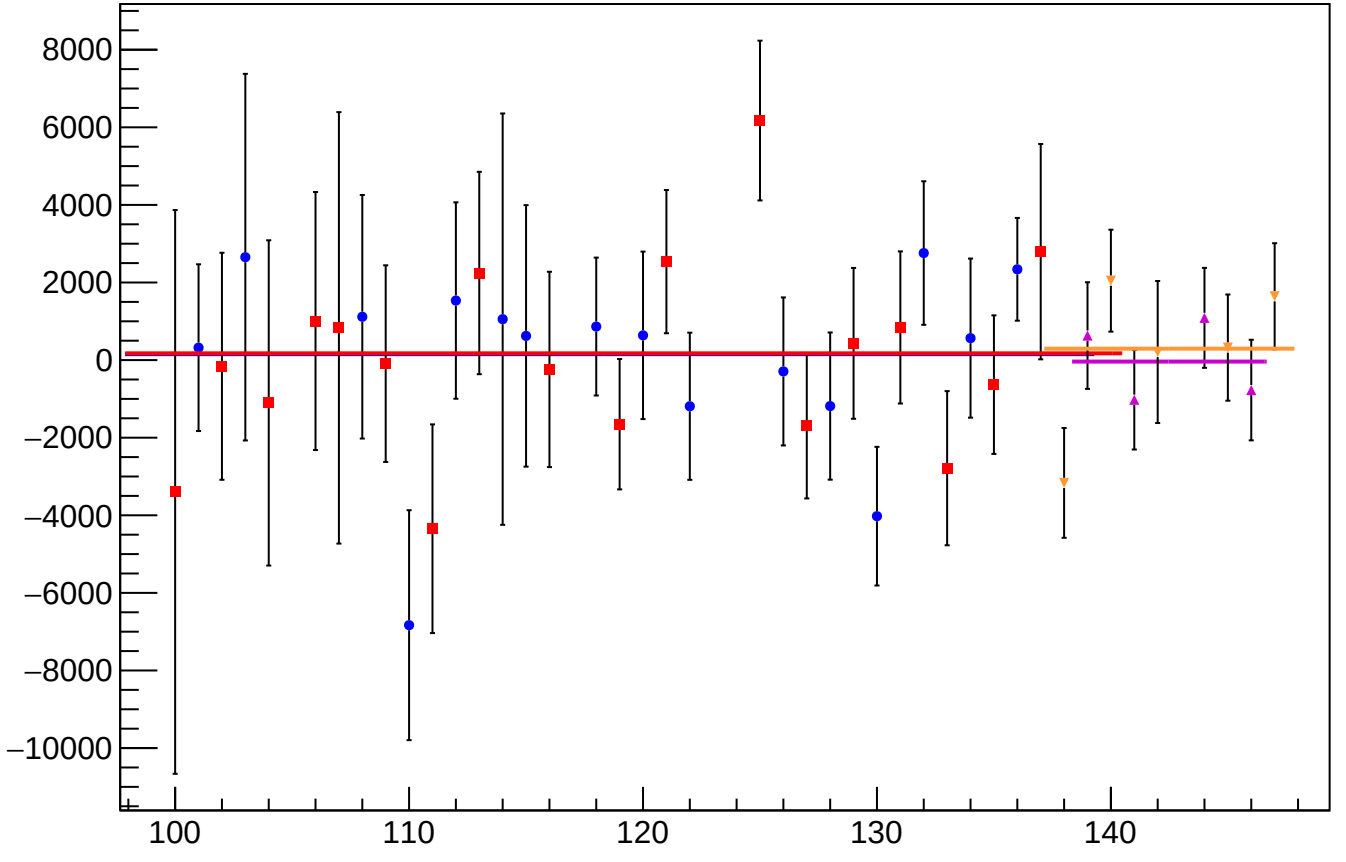
Left In: 458.933+/-0.175 χ^2/NDF:160076.3/3

+ sign 511.160+/-0.115 χ^2/NDF: 1845584.2/20

All: 512.836+/-0.082 χ^2/NDF: 4465469.5/42

- sign 514.612+/-0.118 χ^2/NDF: 2619446.4/21

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 294.149+/-639.375 χ^2/NDF:8.7/4

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

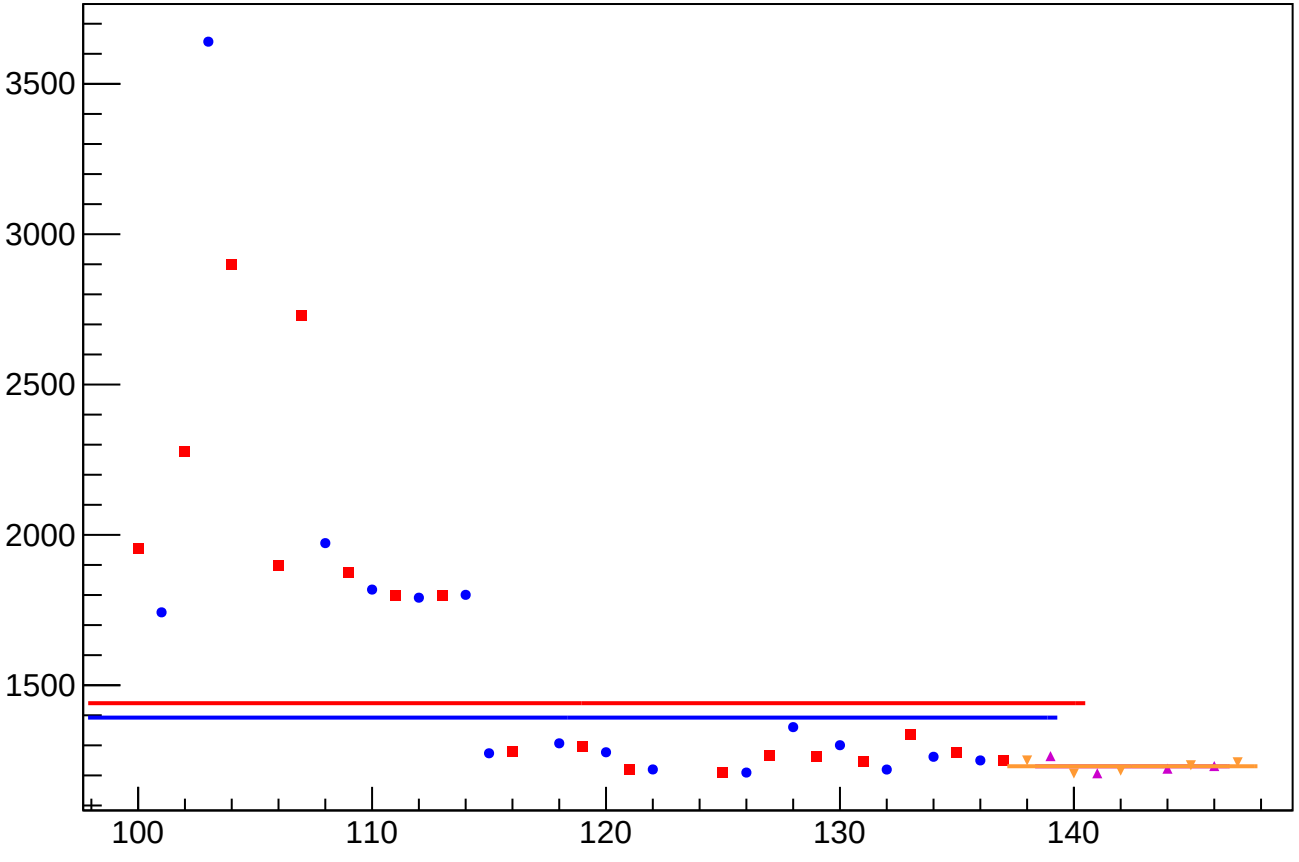
Left In: -38.218+/-654.486 χ^2/NDF:1.9/3

+ sign 210.978+/-408.993 χ^2/NDF: 26.5/20

All: 150.472+/-293.400 χ^2/NDF: 48.2/42

- sign 86.321+/-421.133 χ^2/NDF: 21.6/21

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1230.476+/-0.452 χ^2/NDF:1371.0/4

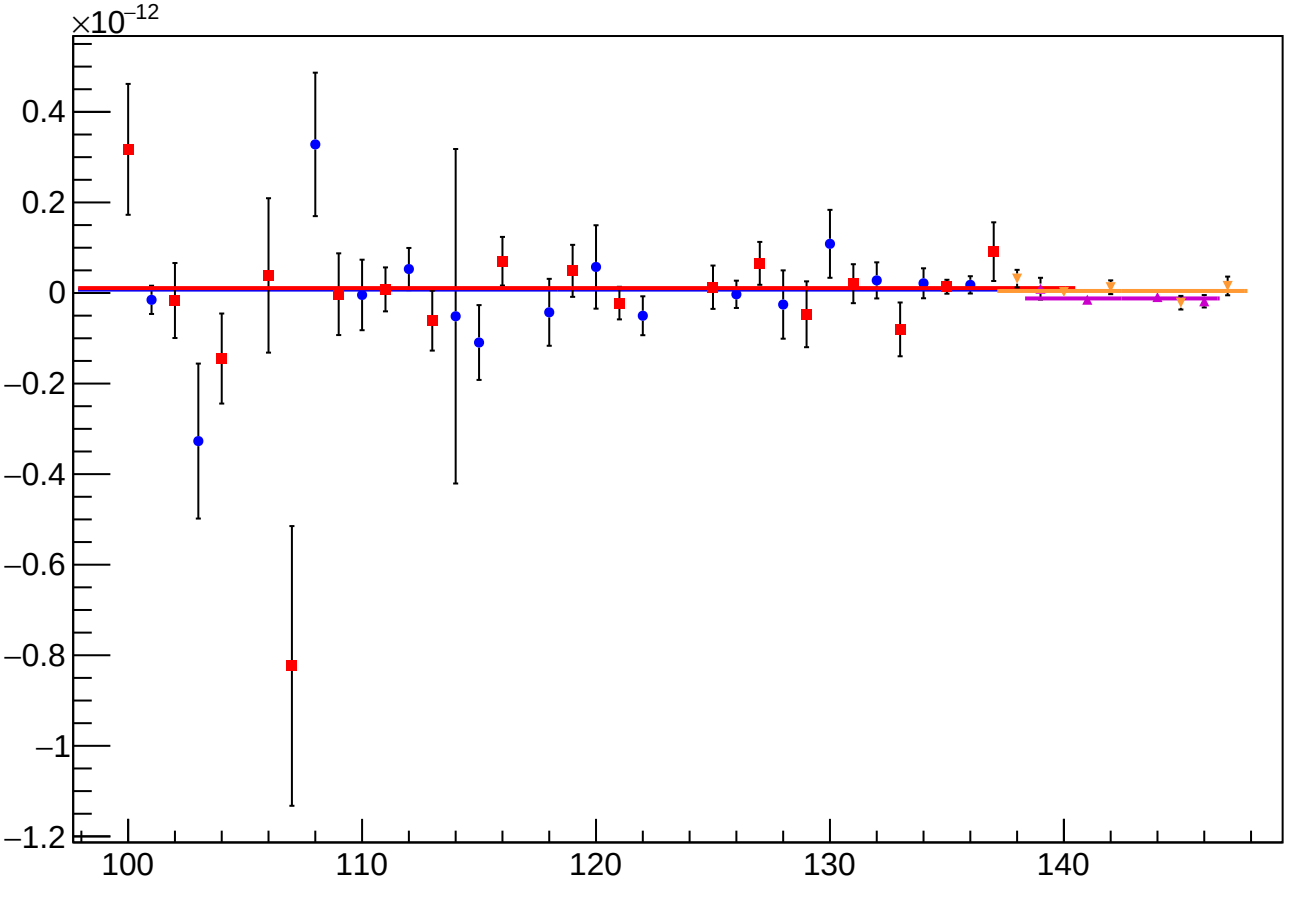
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1230.183+/-0.463 χ^2/NDF:1942.4/3

+ sign 1326.083+/-0.289 χ^2/NDF: 856304.0/20

All: 1339.273+/-0.207 χ^2/NDF: 1838116.7/42

- sign 1353.258+/-0.298 χ^2/NDF: 977526.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

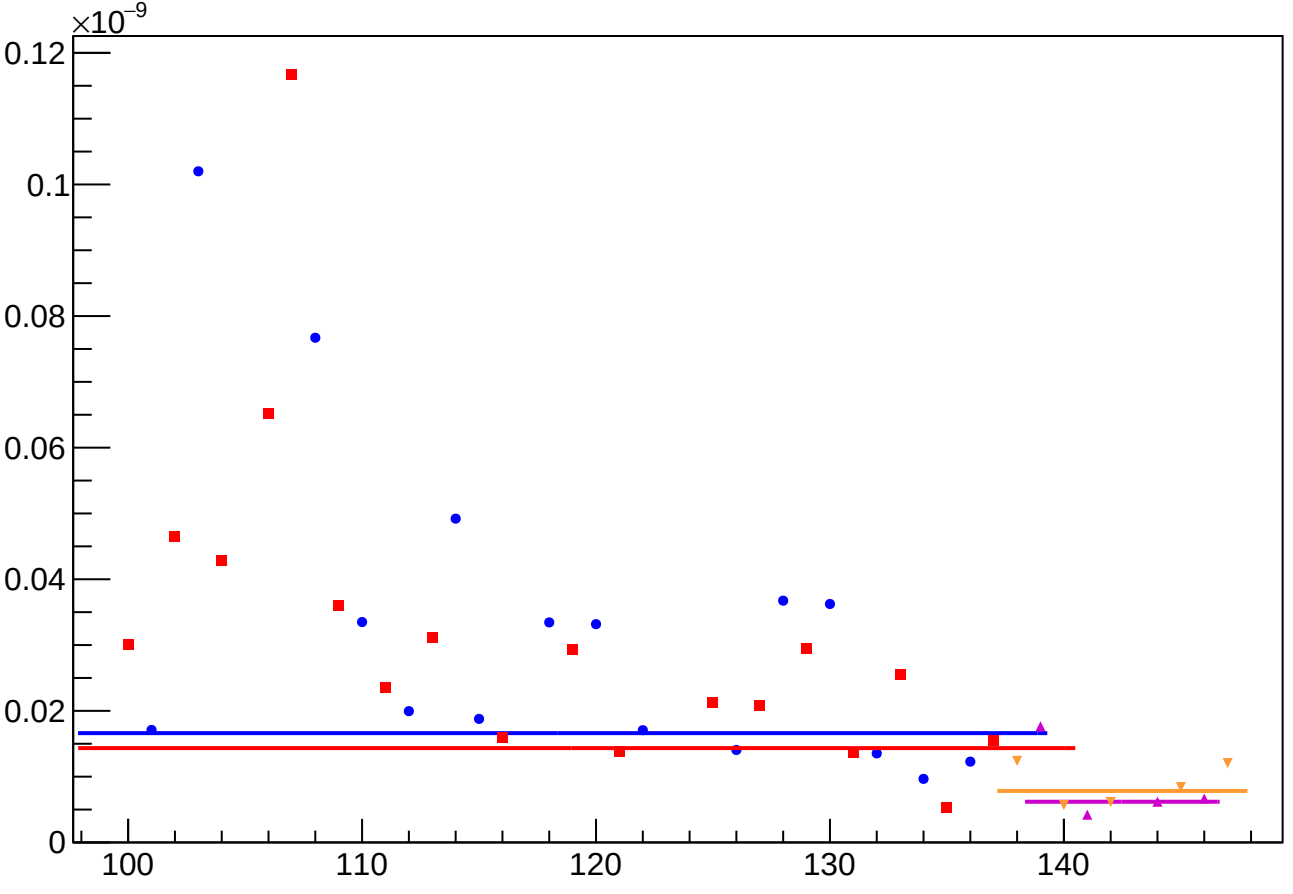
Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 53.5/42

- sign -0.000+/-0.000 χ^2/NDF: 28.7/21

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:296259.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

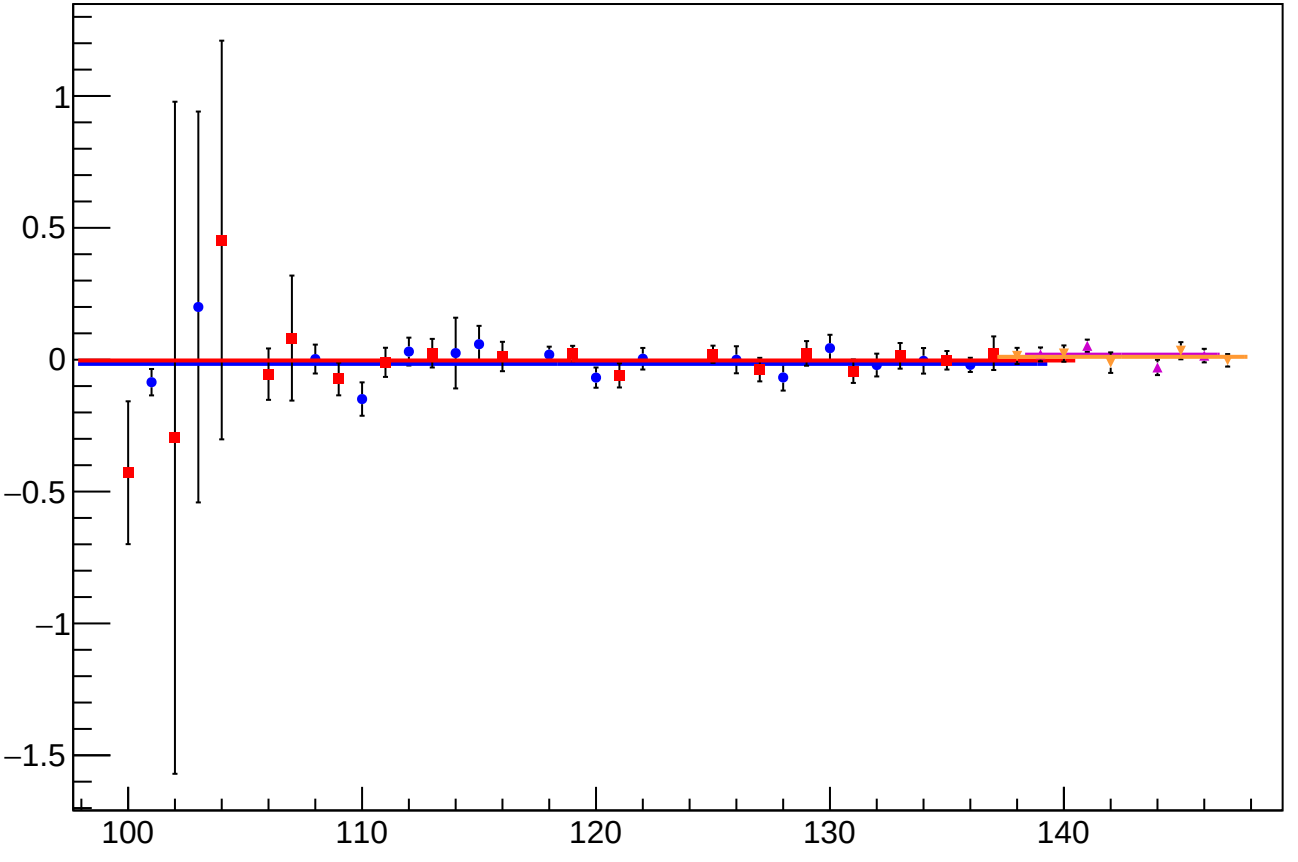
Left In: 0.000+/-0.000 χ^2/NDF:546560.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 2811911.7/20

All: 0.000+/-0.000 χ^2/NDF: 6649045.9/42

- sign 0.000+/-0.000 χ^2/NDF: 3694930.5/21

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

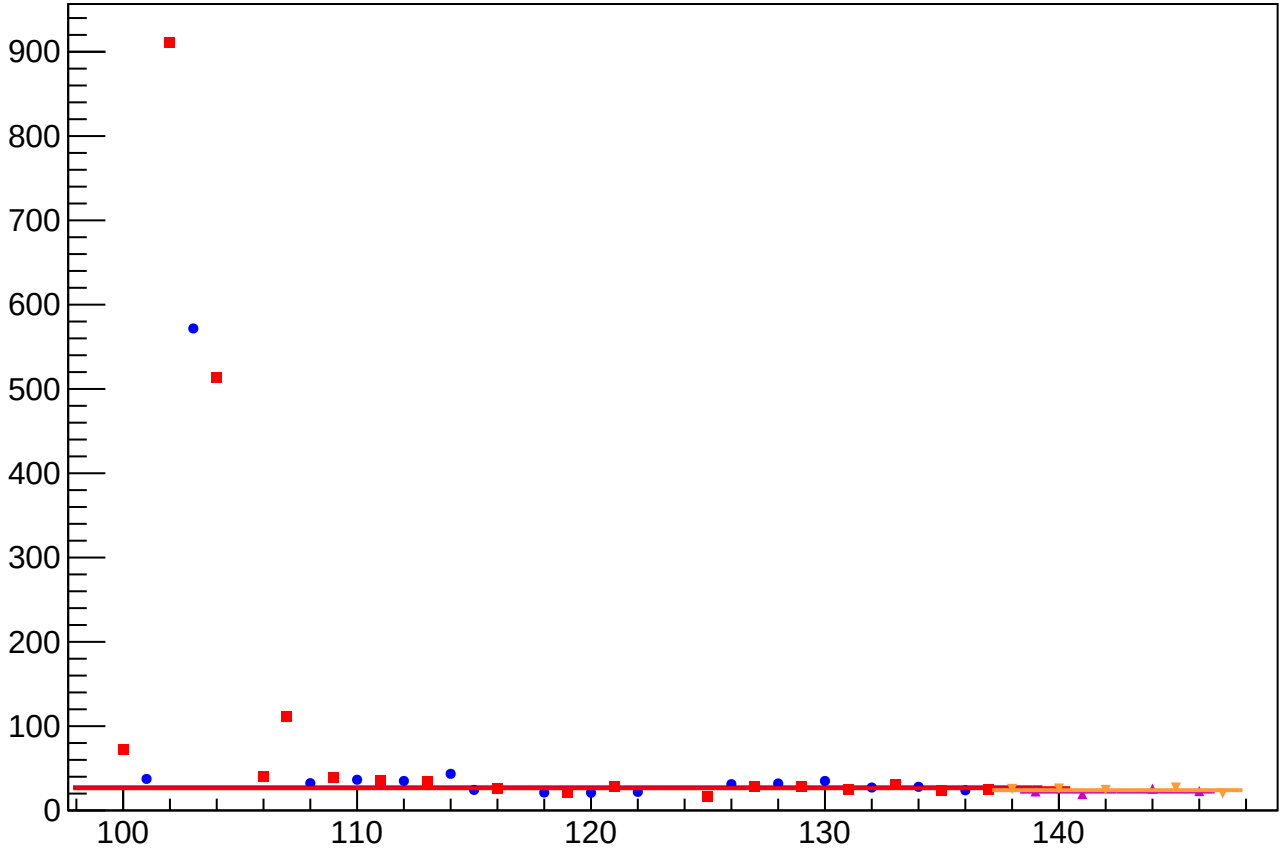
Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/42

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21

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: 24.049+/-0.010 χ^2/NDF:84420.8/4

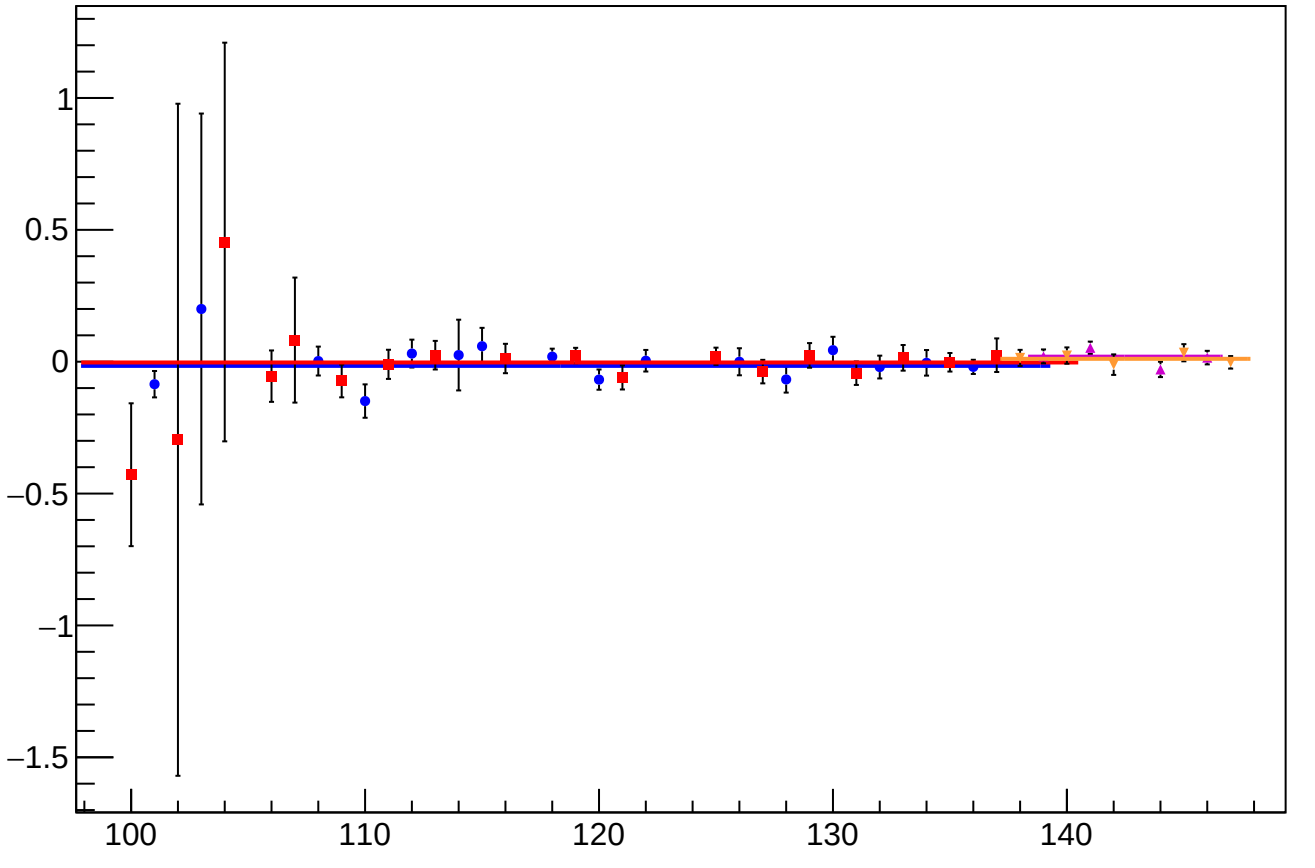
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

+ sign 25.928+/-0.006 χ^2/NDF: 1719864.4/20

All: 25.231+/-0.004 χ^2/NDF: 4526938.6/42

- sign 24.528+/-0.006 χ^2/NDF: 2781767.0/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

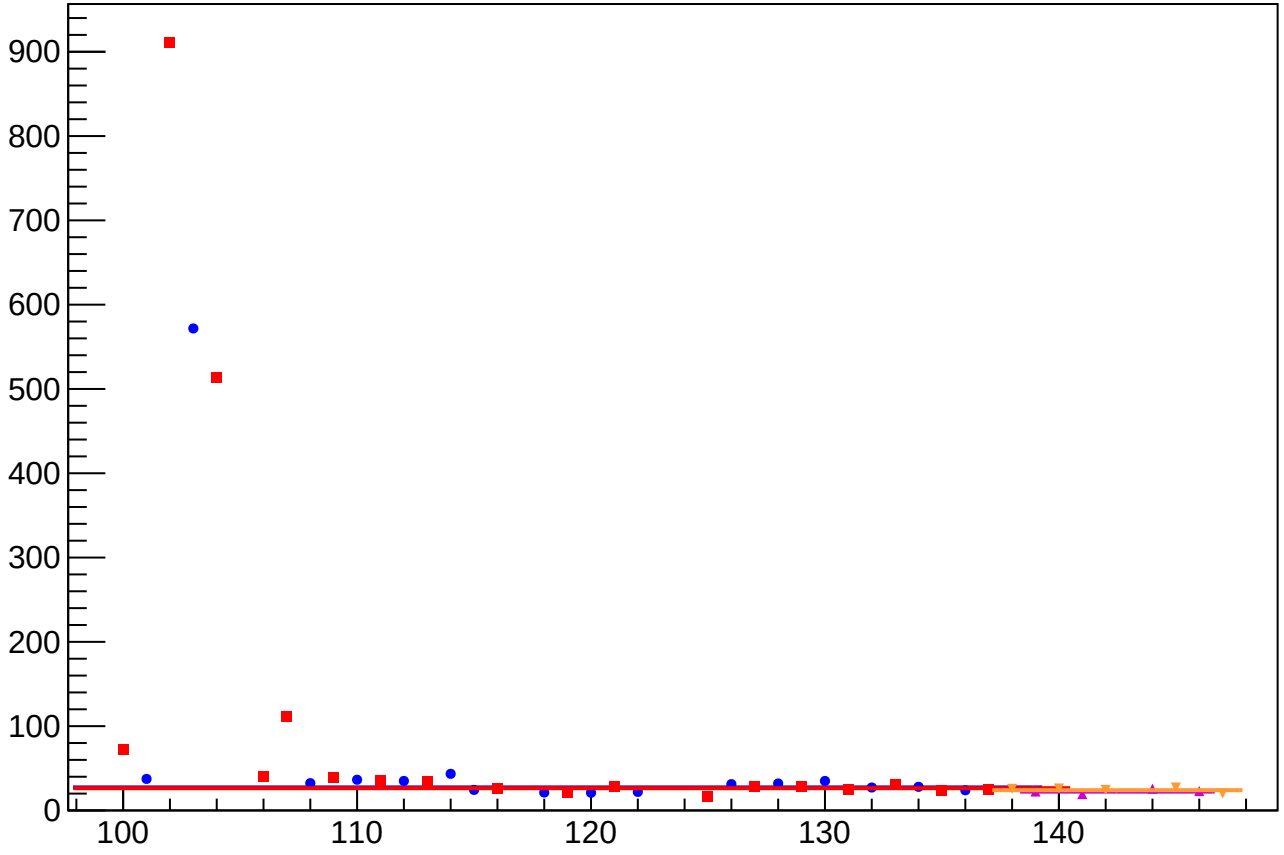
Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

\+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/42

\- sign 0.007+/-0.009 χ^2/NDF: 16.3/21

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: 24.049+/-0.010 χ^2/NDF:84420.8/4

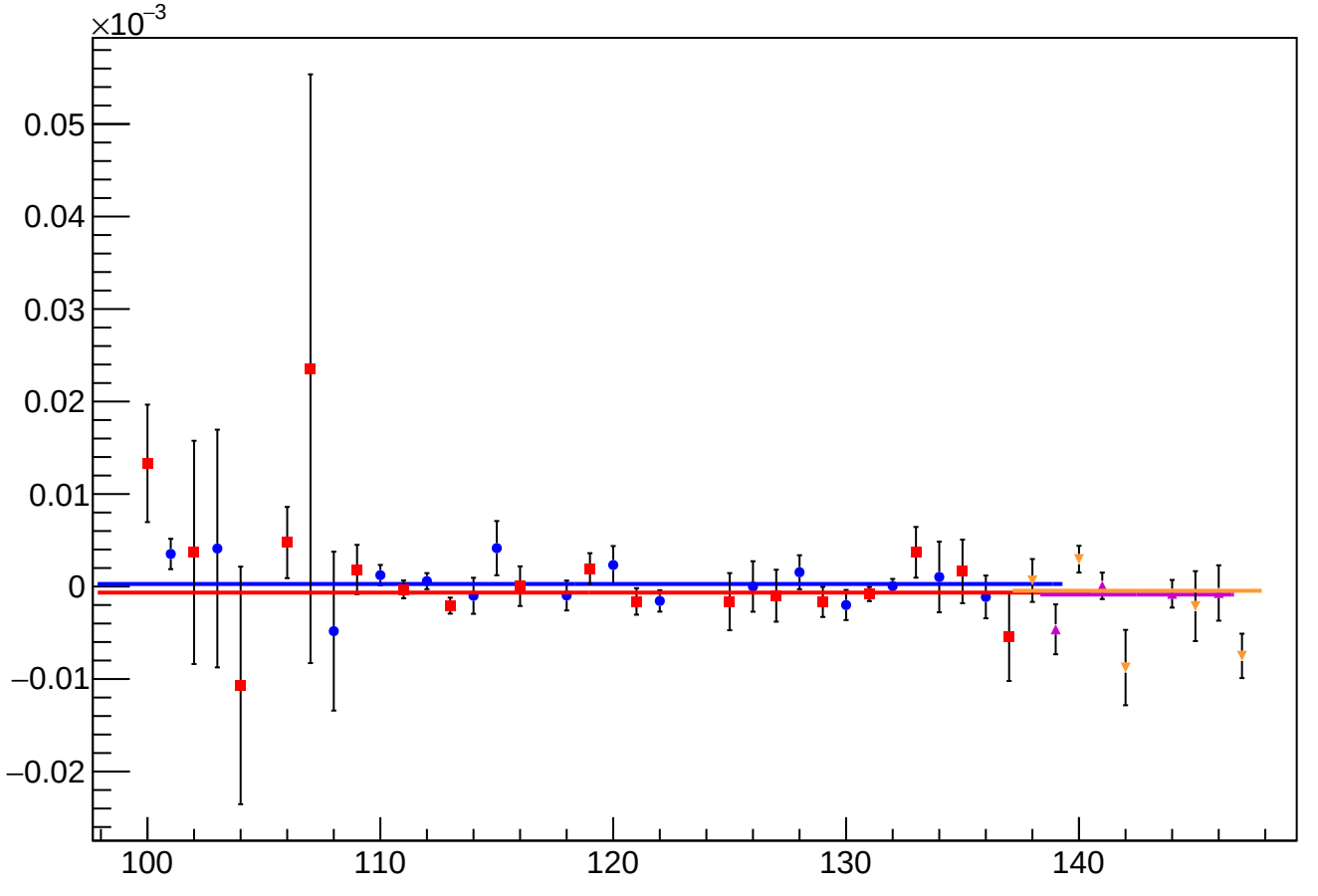
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

+ sign 25.928+/-0.006 χ^2/NDF: 1719864.4/20

All: 25.231+/-0.004 χ^2/NDF: 4526938.6/42

- sign 24.528+/-0.006 χ^2/NDF: 2781767.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

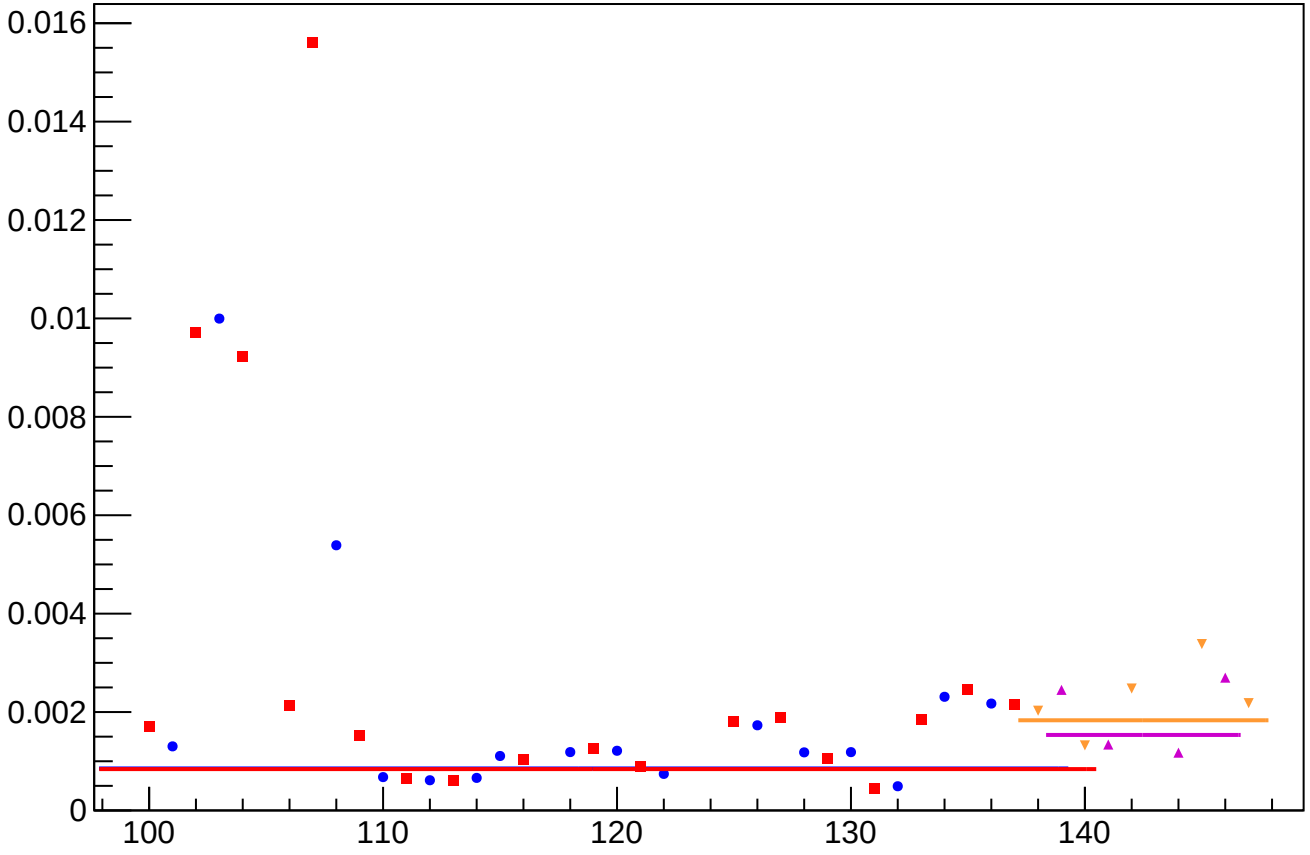
Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/20

All: -0.000+/-0.000 χ^2/NDF: 58.3/42

- sign -0.000+/-0.000 χ^2/NDF: 21.7/21

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:691734.4/4

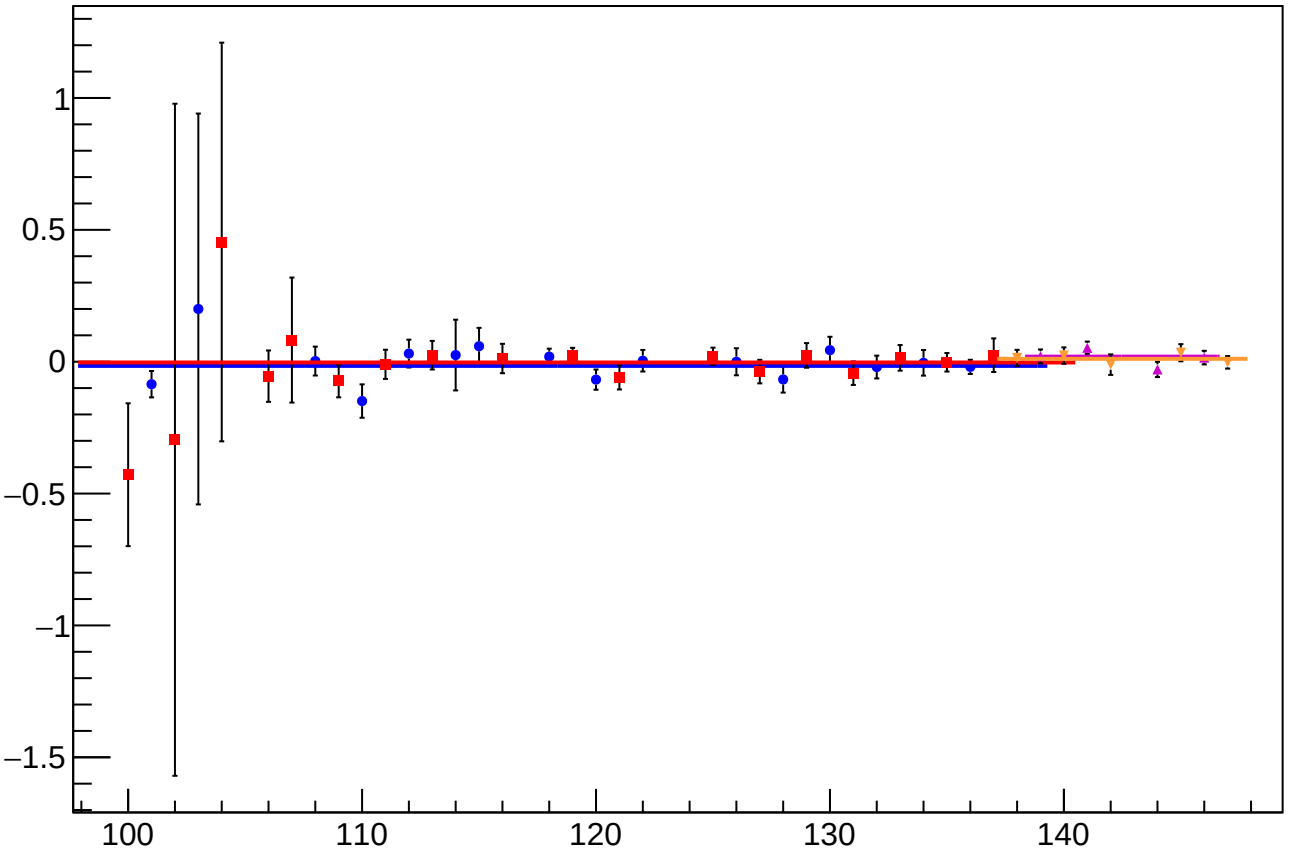
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:686313.9/3

+ sign 0.001+/-0.000 χ^2/NDF: 6189117.3/20

All: 0.001+/-0.000 χ^2/NDF: 12878258.6/42

- sign 0.001+/-0.000 χ^2/NDF: 6685832.2/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.011+/-0.014 χ^2/NDF:1.3/4

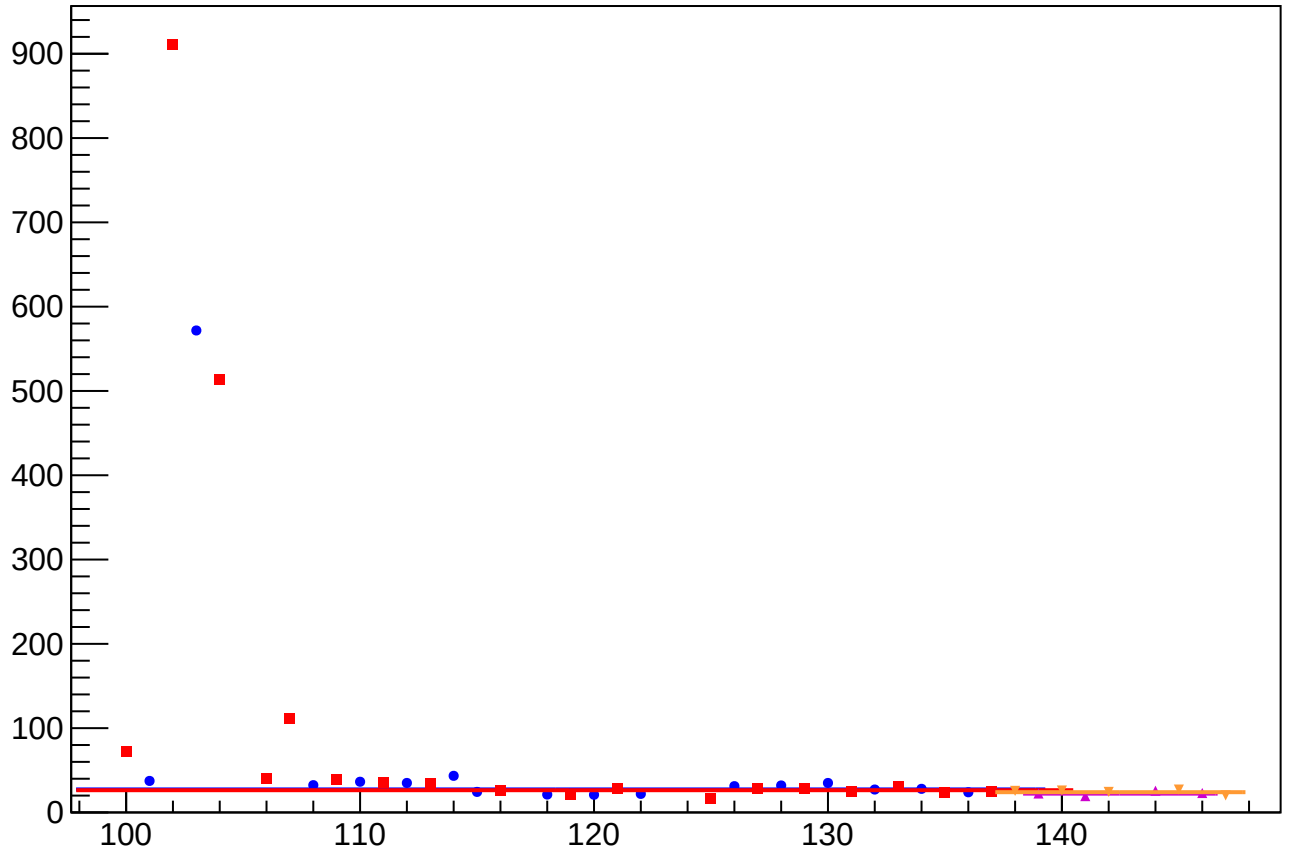
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.3/42

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 24.049+/-0.010 χ^2/NDF:84400.6/4

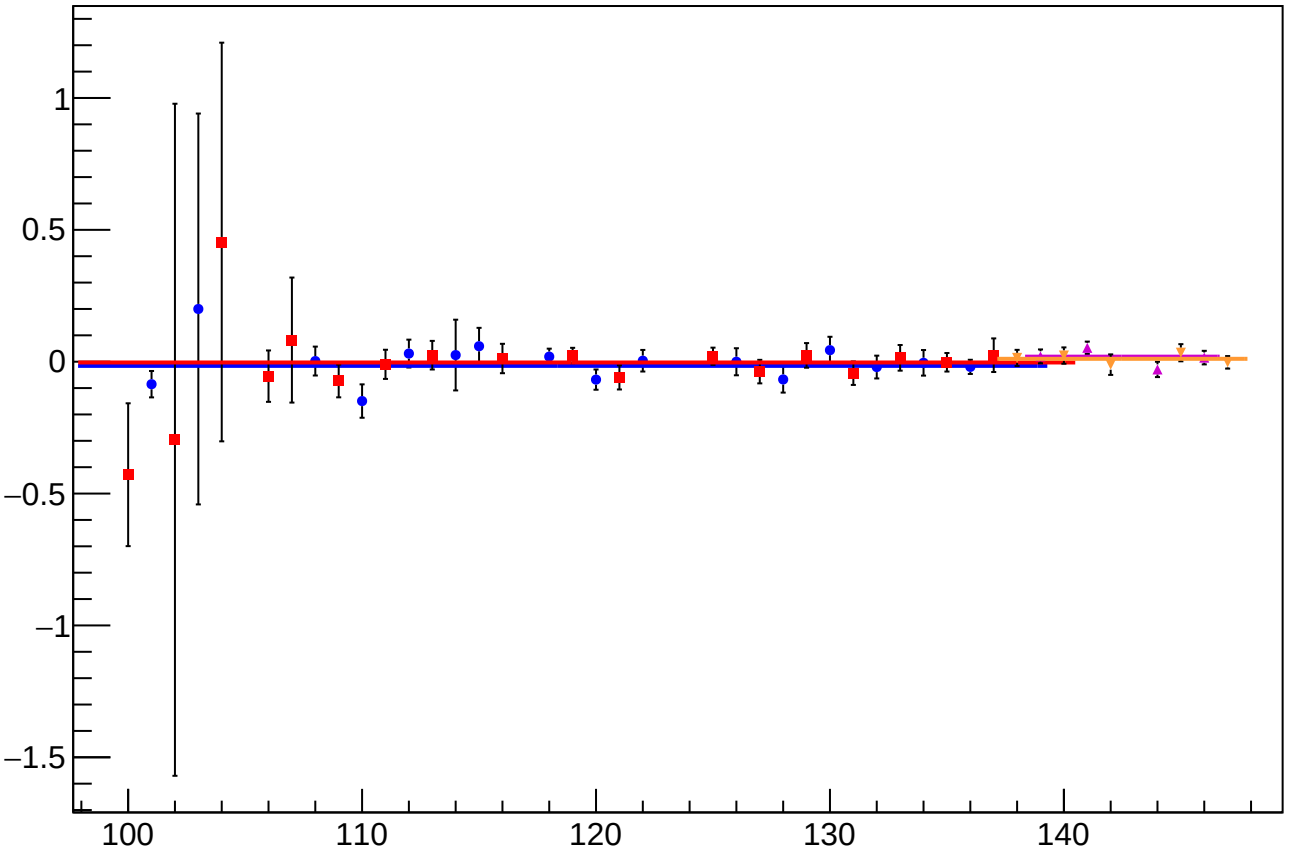
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

+ sign 25.928+/-0.006 χ^2/NDF: 1719842.7/20

All: 25.231+/-0.004 χ^2/NDF: 4526970.4/42

- sign 24.528+/-0.006 χ^2/NDF: 2781815.4/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.011+/-0.014 χ^2/NDF:1.3/4

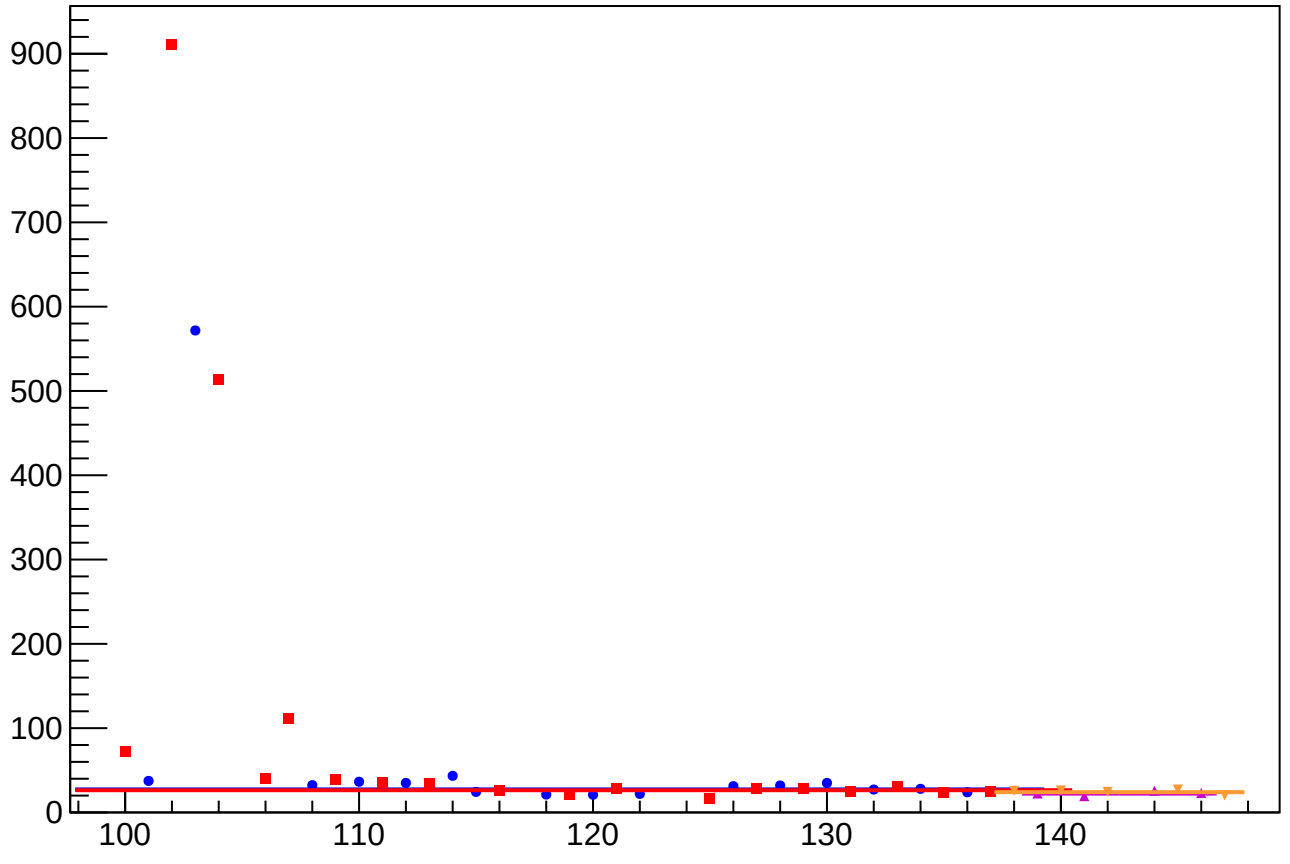
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.3/42

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 24.049+/-0.010 χ^2/NDF:84400.6/4

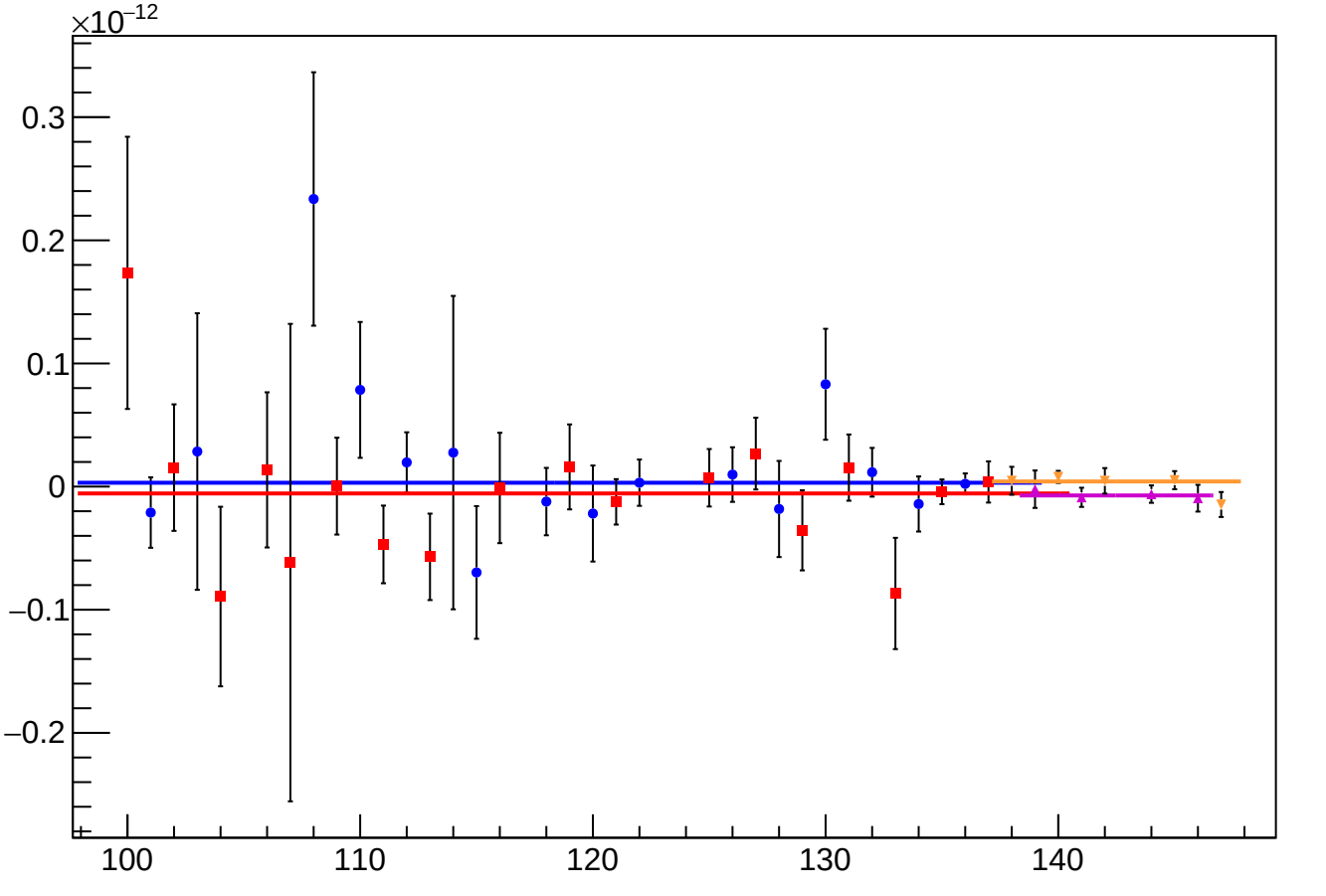
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

+ sign 25.928+/-0.006 χ^2/NDF: 1719842.7/20

All: 25.231+/-0.004 χ^2/NDF: 4526970.4/42

- sign 24.528+/-0.006 χ^2/NDF: 2781815.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

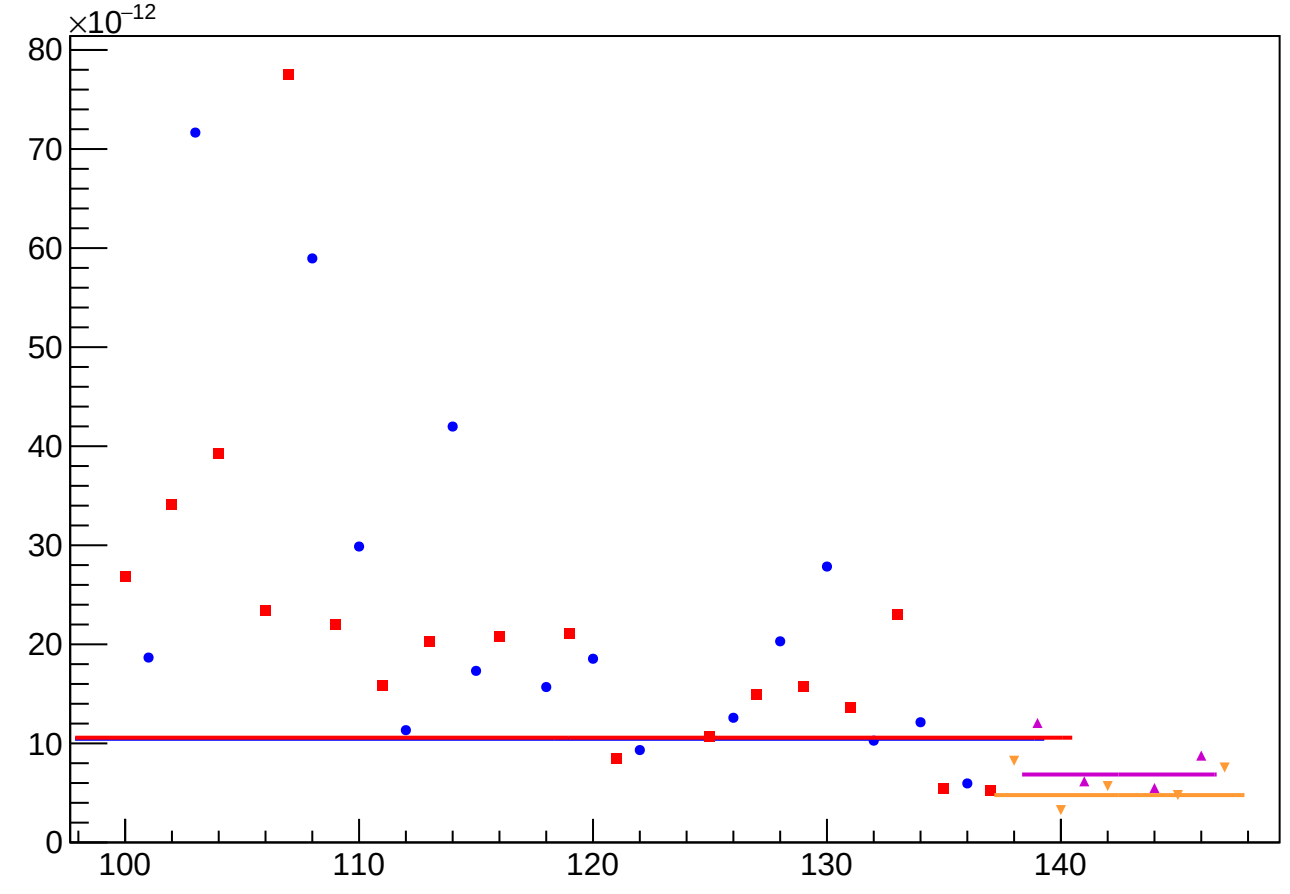
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.1/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/42

- sign -0.000+/-0.000 χ^2/NDF: 15.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:543437.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

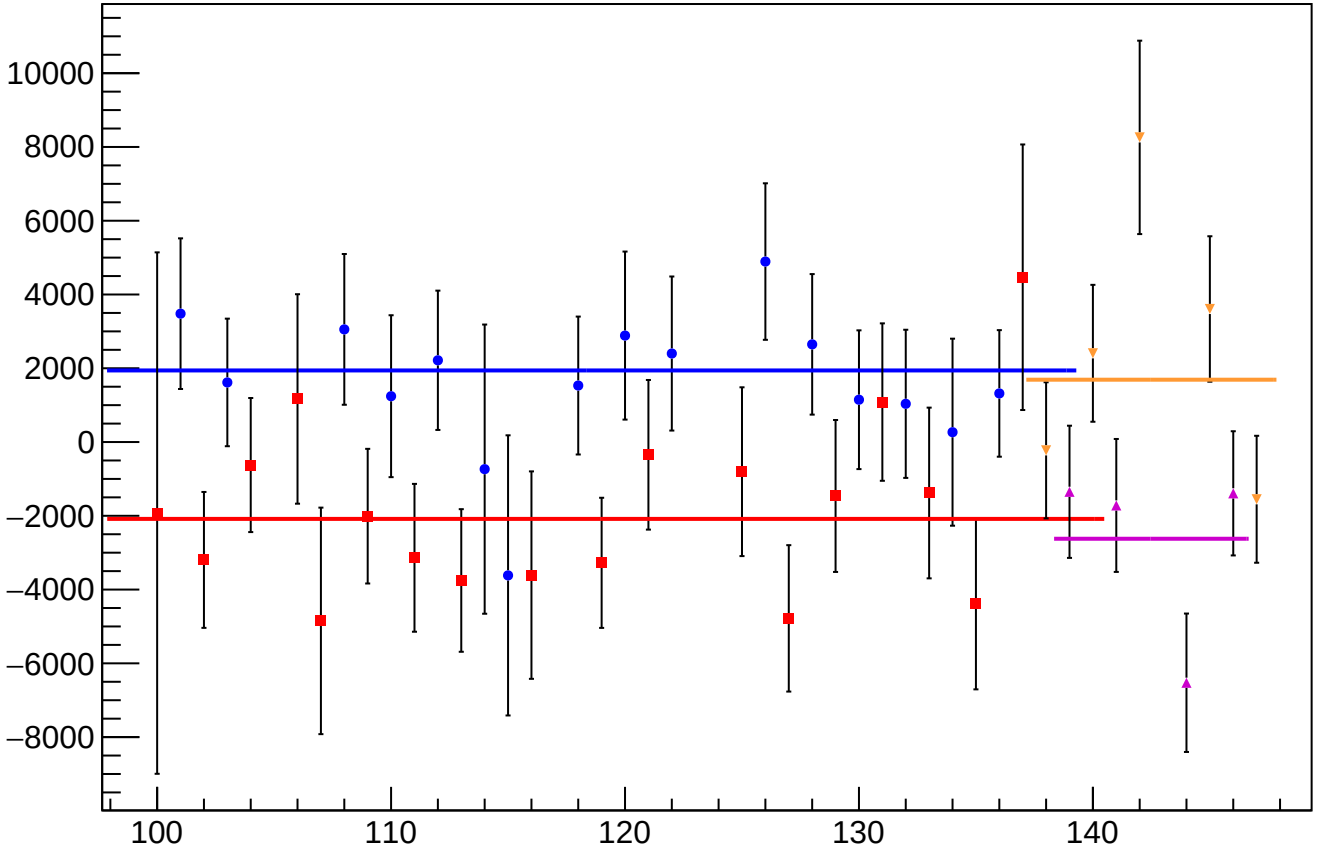
Left In: 0.000+/-0.000 χ^2/NDF:385814.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4789800.8/20

All: 0.000+/-0.000 χ^2/NDF: 8769729.5/42

- sign 0.000+/-0.000 χ^2/NDF: 3639303.1/21

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1689.997+/-868.986 χ^2/NDF:12.0/4

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

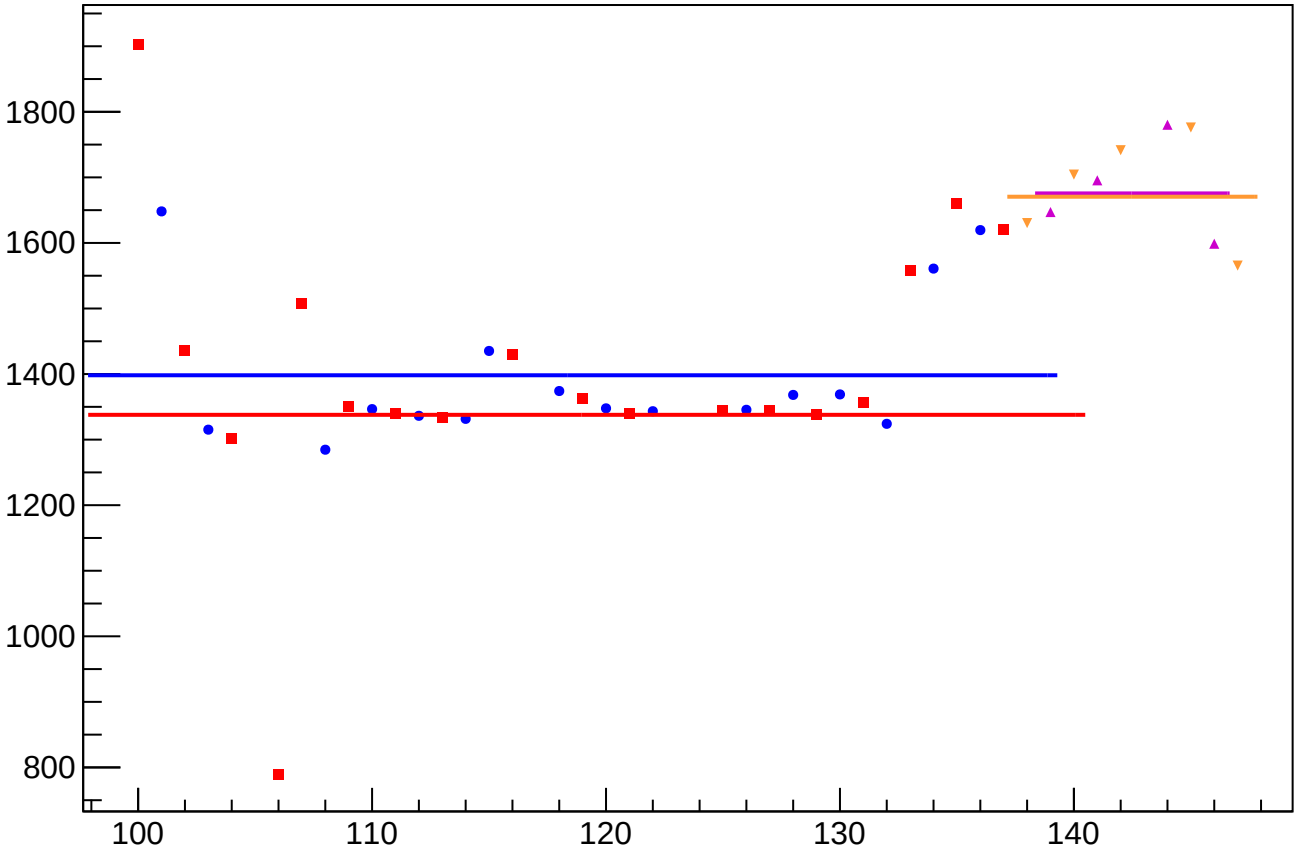
Left In: -2622.252+/-892.266 χ^2/NDF:5.6/3

+ sign 1874.394+/-447.583 χ^2/NDF: 19.0/20

All: -166.447+/-316.990 χ^2/NDF: 81.1/42

- sign -2220.264+/-449.003 χ^2/NDF: 20.4/21

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

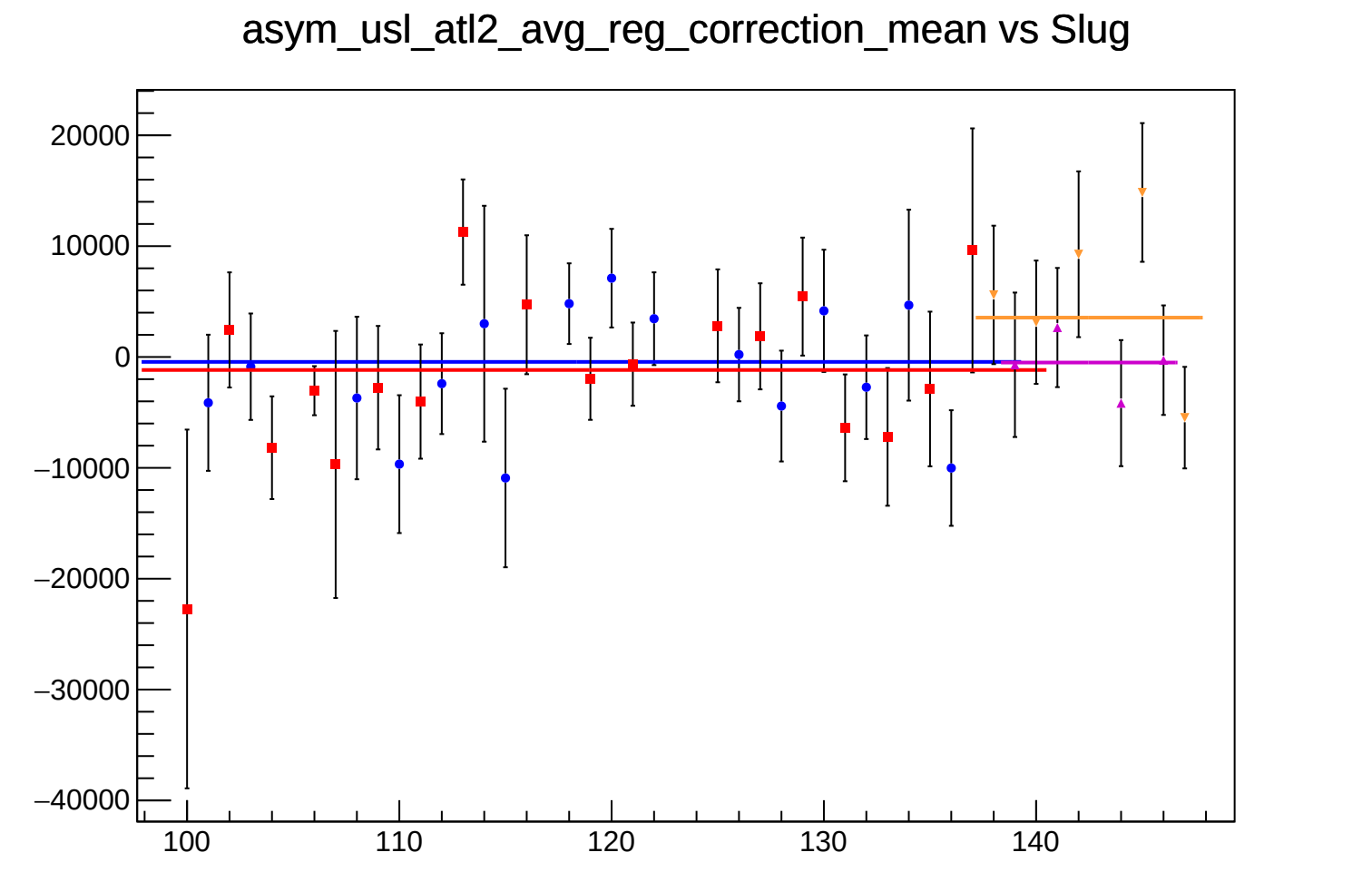
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.8/20

All: 1444.347+/-0.221 χ^2/NDF: 814057.4/42

- sign 1419.344+/-0.310 χ^2/NDF: 546256.7/21



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 3551.904+/-2590.076 χ^2/NDF:7.8/4

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

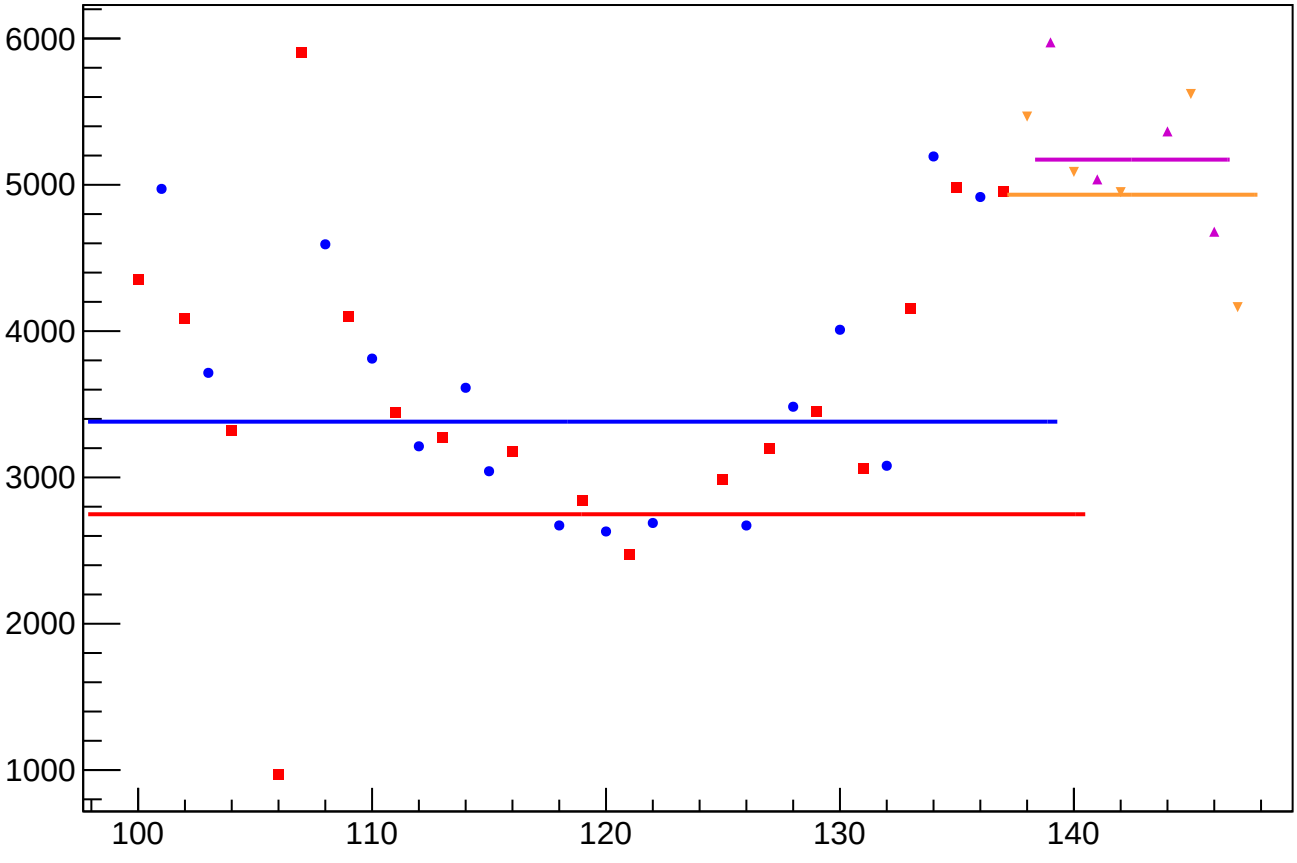
Left In: -500.095+/-2772.993 χ^2/NDF:0.8/3

+ sign 358.337+/-1158.945 χ^2/NDF: 25.6/20

All: -438.051+/-773.380 χ^2/NDF: 47.0/42

- sign -1077.391+/-1038.405 χ^2/NDF: 20.5/21

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4932.359+/-1.831 χ^2/NDF:96720.7/4

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

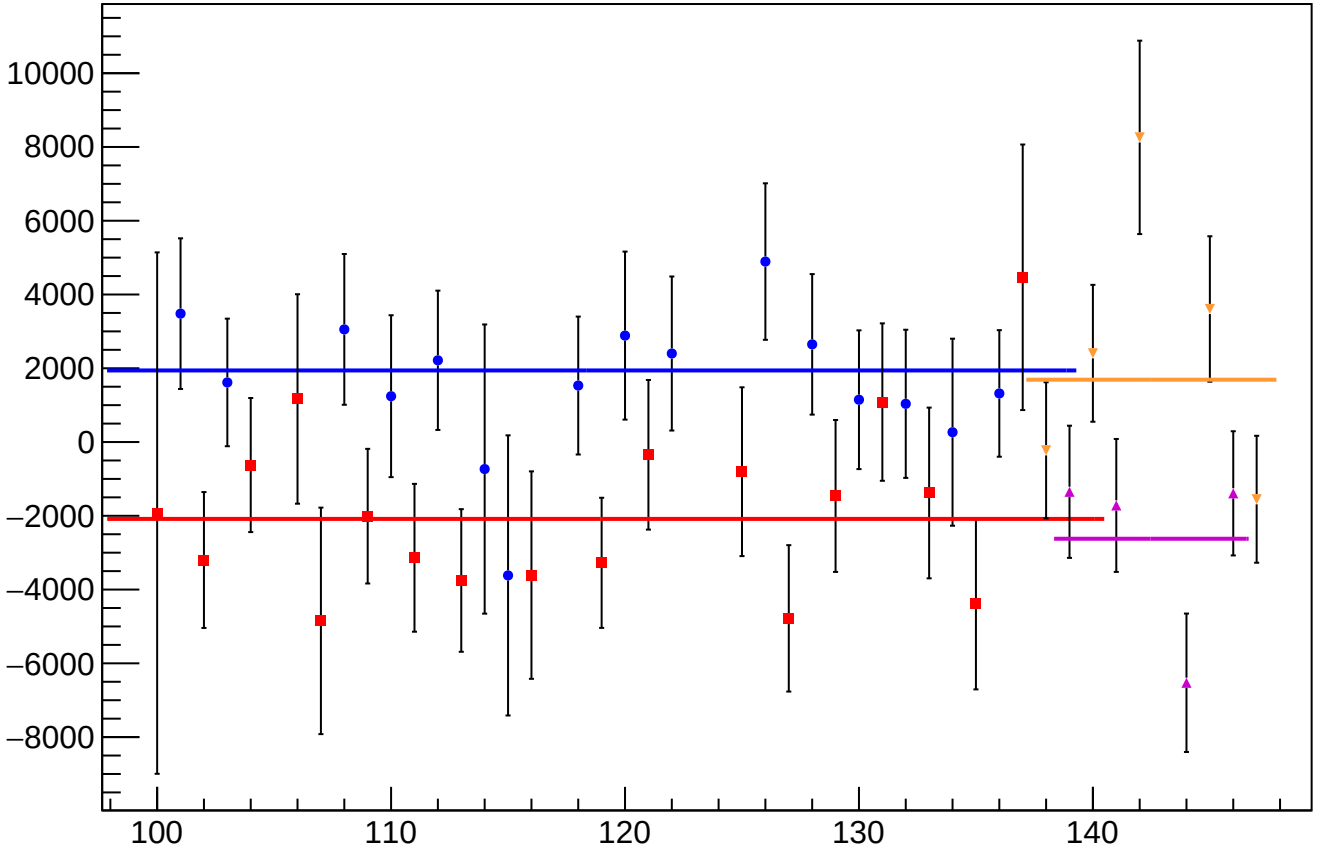
Left In: 5172.201+/-1.961 χ^2/NDF:53716.5/3

+ sign 3691.702+/-0.819 χ^2/NDF: 1427635.3/20

All: 3356.978+/-0.547 χ^2/NDF: 5360449.7/42

- sign 3088.262+/-0.734 χ^2/NDF: 3632050.7/21

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

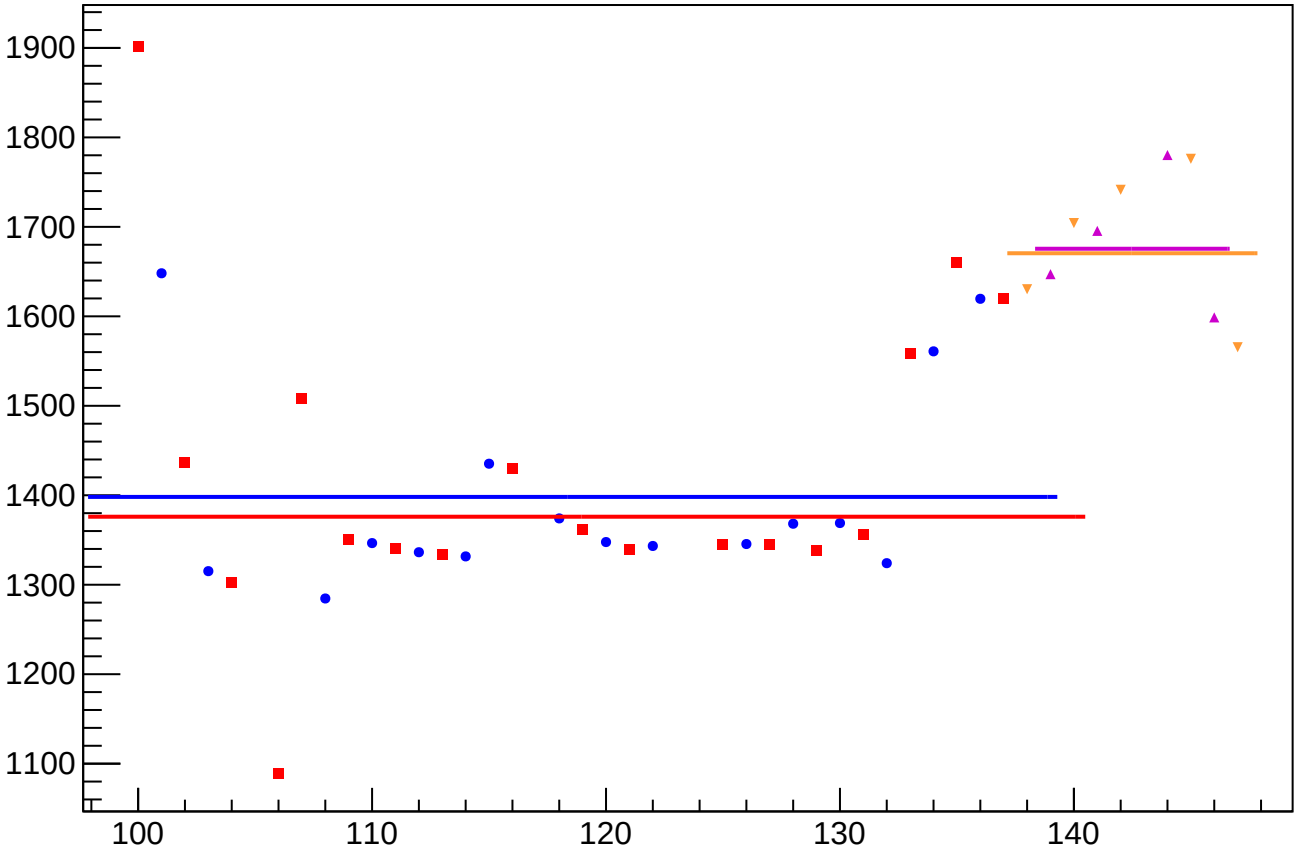
Left In: -2622.296+/-892.266 χ^2/NDF:5.6/3

+ sign 1874.488+/-447.583 χ^2/NDF: 19.0/20

All: -166.476+/-316.991 χ^2/NDF: 81.1/42

- sign -2220.437+/-449.005 χ^2/NDF: 20.4/21

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

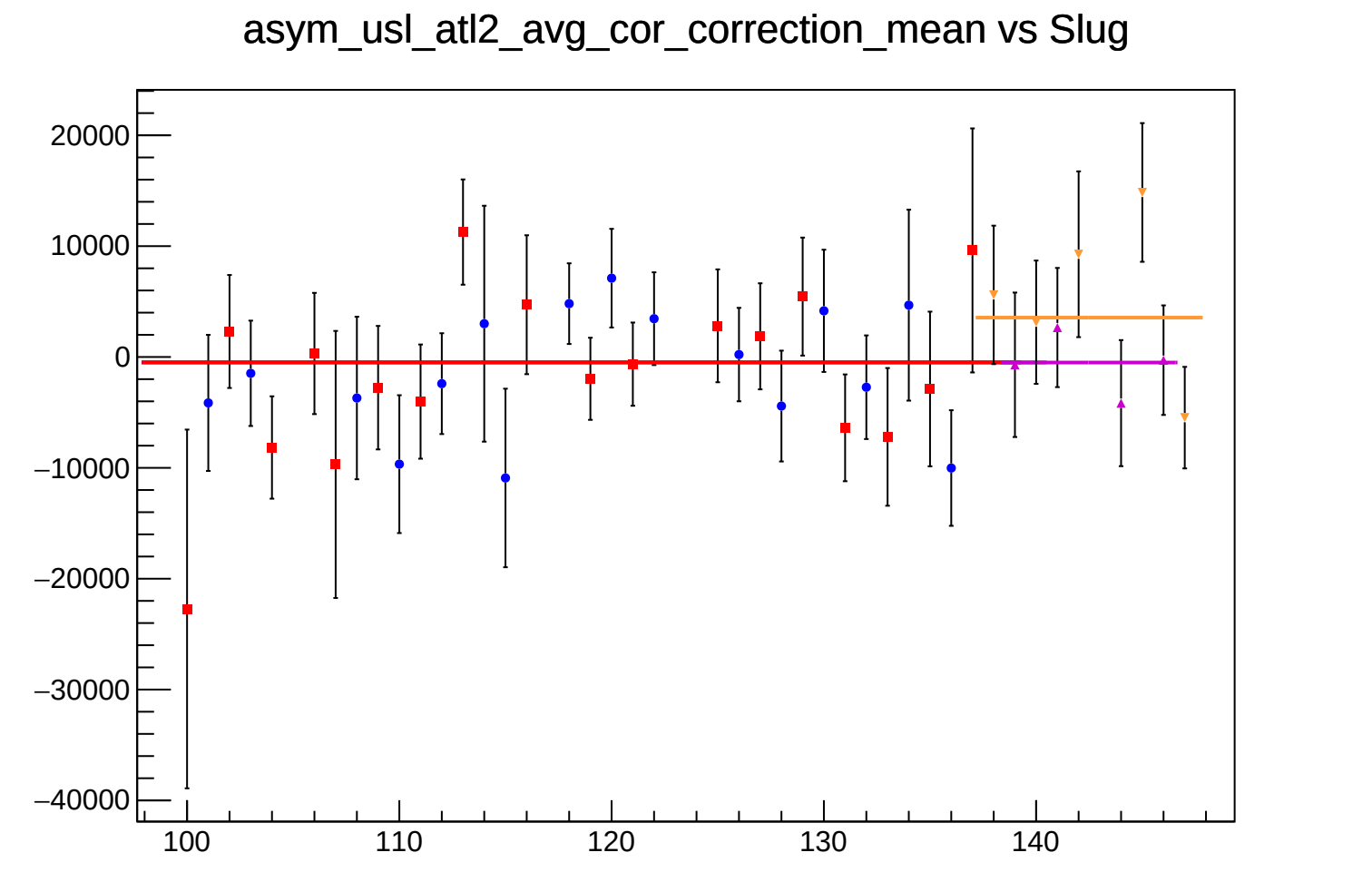
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.9/20

All: 1460.318+/-0.223 χ^2/NDF: 551133.4/42

- sign 1450.363+/-0.314 χ^2/NDF: 294600.5/21



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

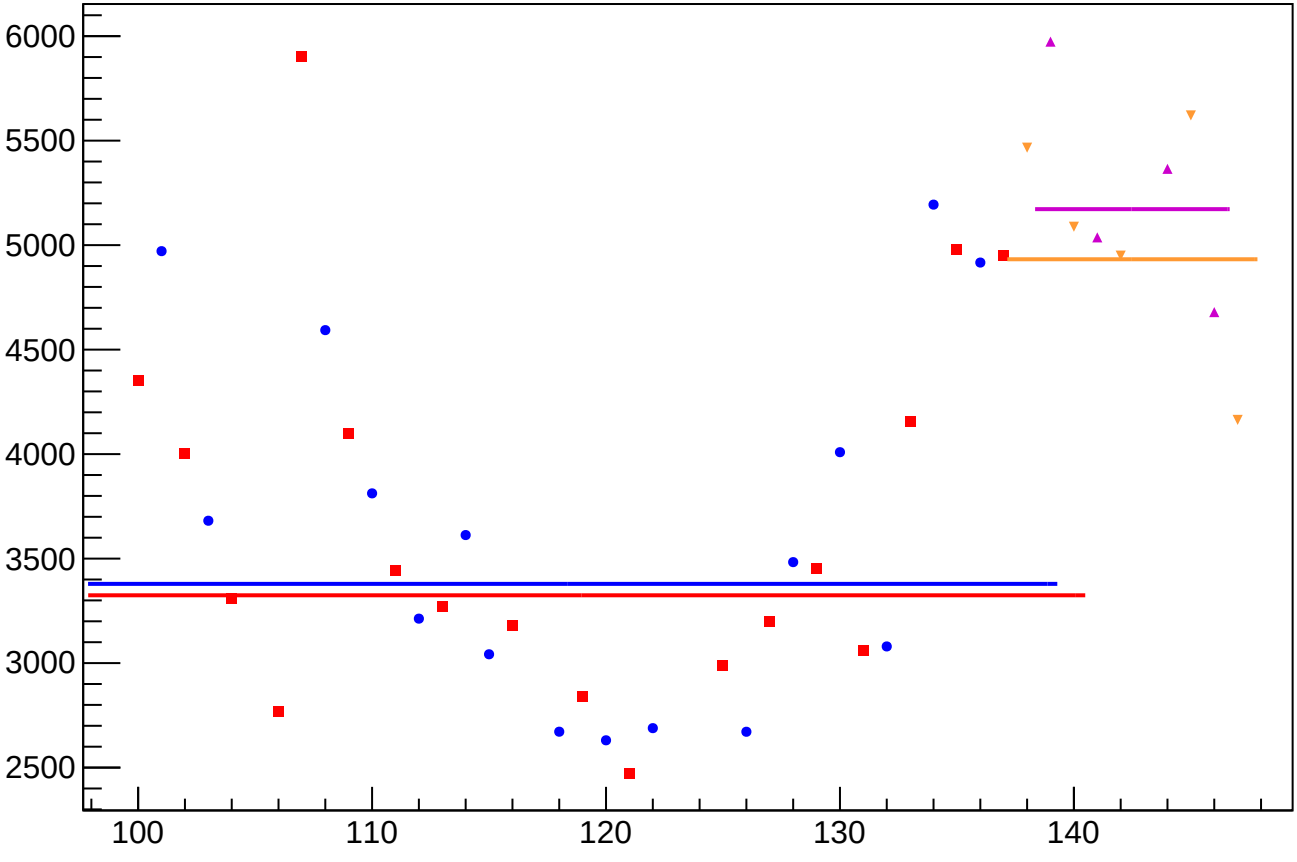
Left In: -500.073+/-2772.989 χ^2/NDF:0.8/3

+ sign 321.046+/-1158.240 χ^2/NDF: 25.7/20

All: -88.318+/-815.399 χ^2/NDF: 45.5/42

- sign -490.562+/-1148.124 χ^2/NDF: 19.5/21

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

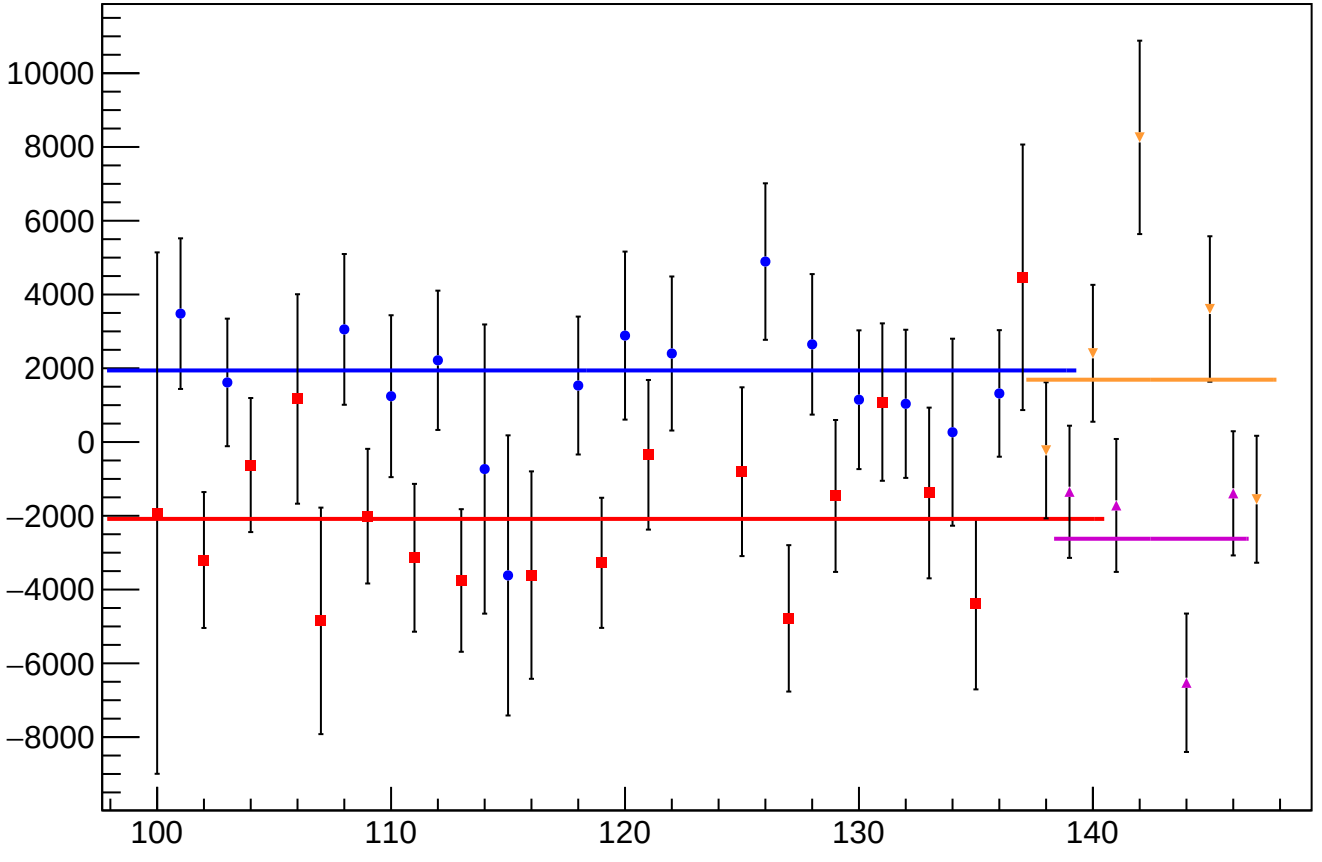
Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

+ sign 3689.719+/-0.819 χ^2/NDF: 1427490.7/20

All: 3665.249+/-0.577 χ^2/NDF: 2762570.8/42

- sign 3641.204+/-0.812 χ^2/NDF: 1333310.2/21

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

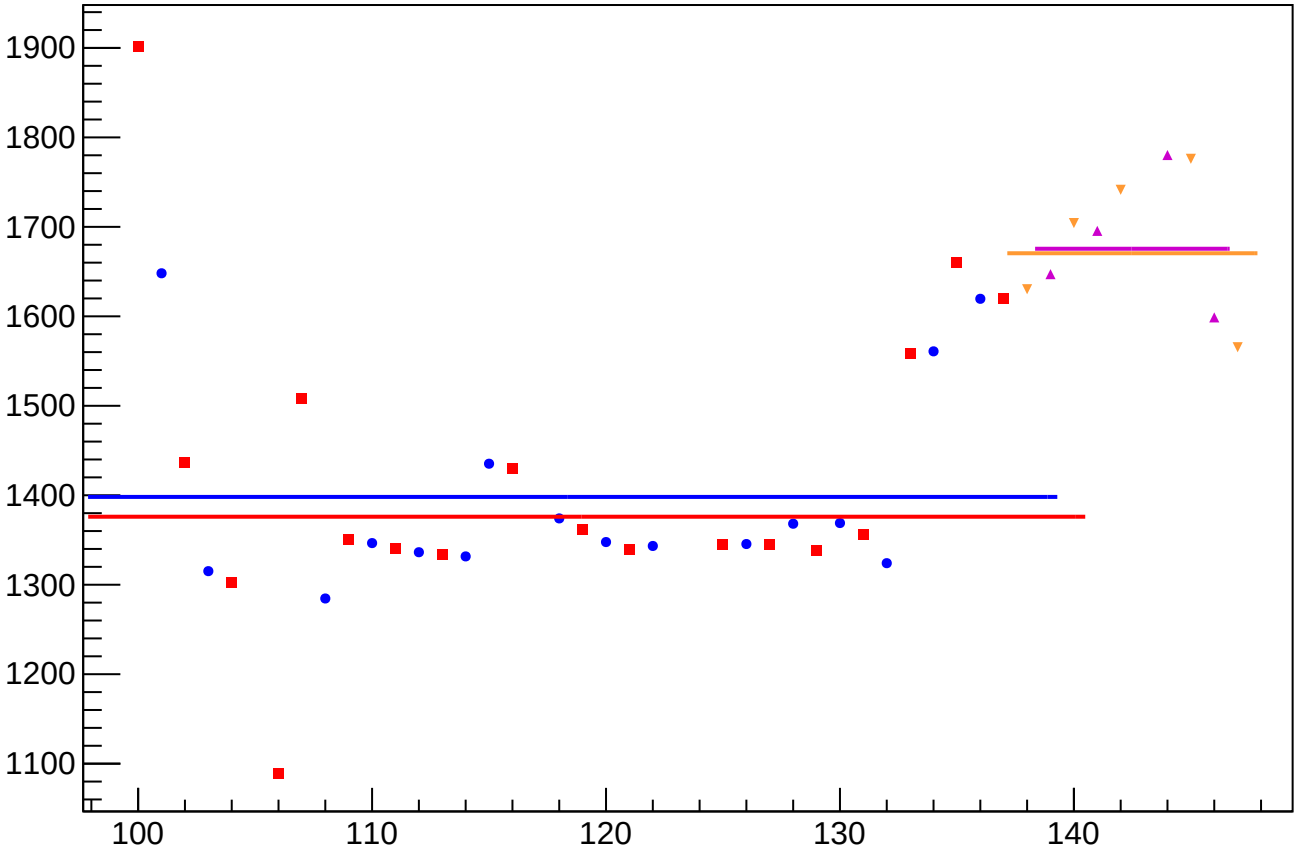
Left In: -2622.296+/-892.266 χ^2/NDF:5.6/3

+ sign 1874.488+/-447.583 χ^2/NDF: 19.0/20

All: -166.476+/-316.991 χ^2/NDF: 81.1/42

- sign -2220.437+/-449.005 χ^2/NDF: 20.4/21

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

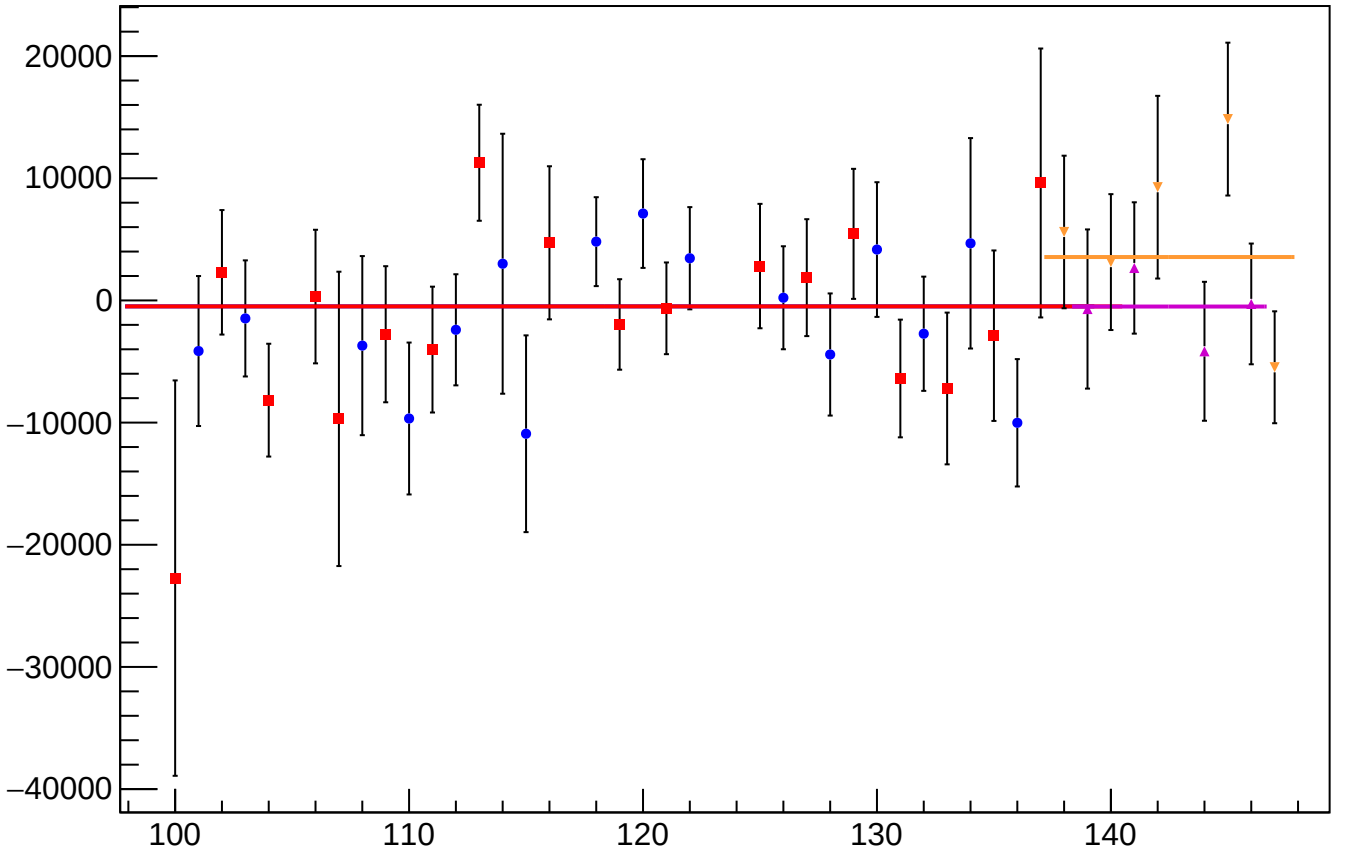
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.9/20

All: 1460.318+/-0.223 χ^2/NDF: 551133.4/42

- sign 1450.363+/-0.314 χ^2/NDF: 294600.5/21



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

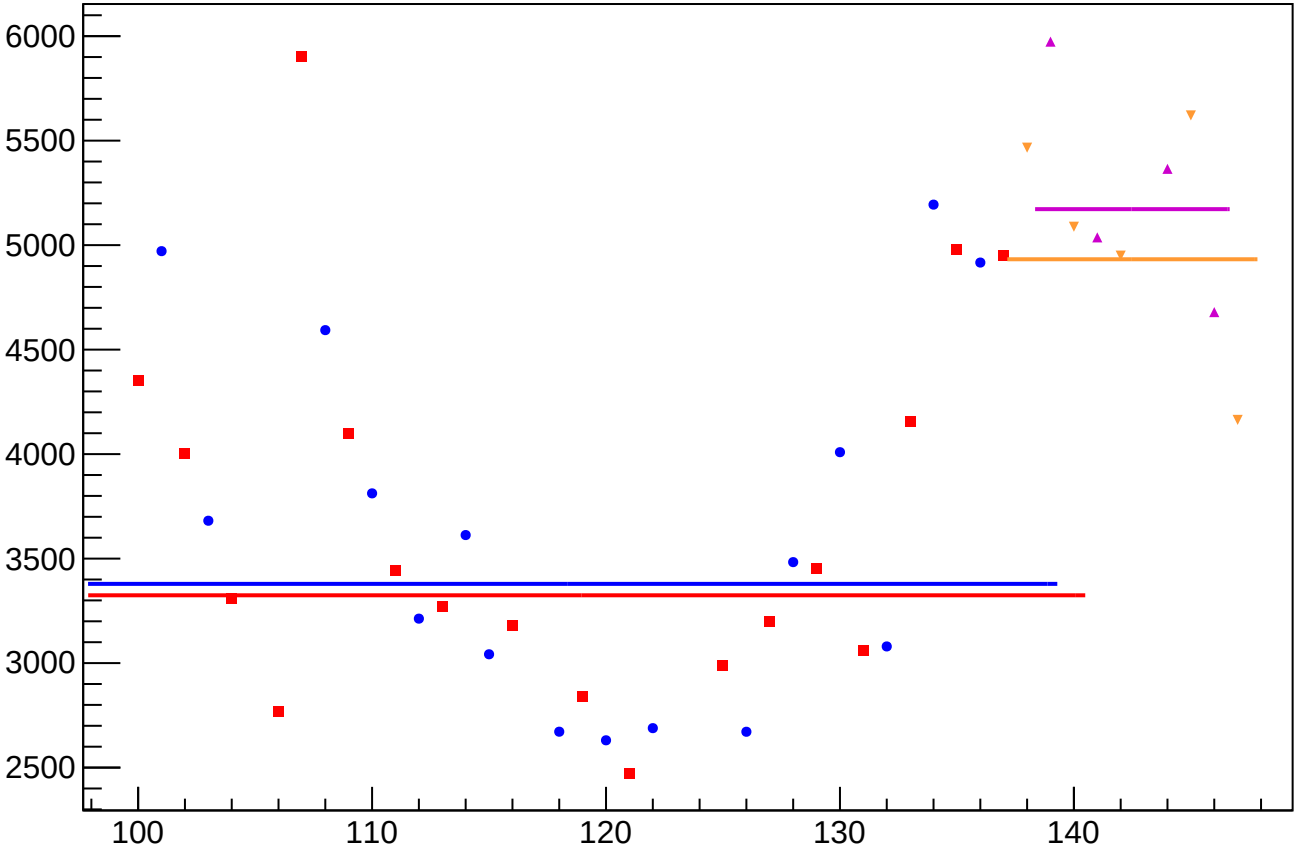
Left In: -500.073+/-2772.989 χ^2/NDF:0.8/3

+ sign 321.046+/-1158.240 χ^2/NDF: 25.7/20

All: -88.318+/-815.399 χ^2/NDF: 45.5/42

- sign -490.562+/-1148.124 χ^2/NDF: 19.5/21

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

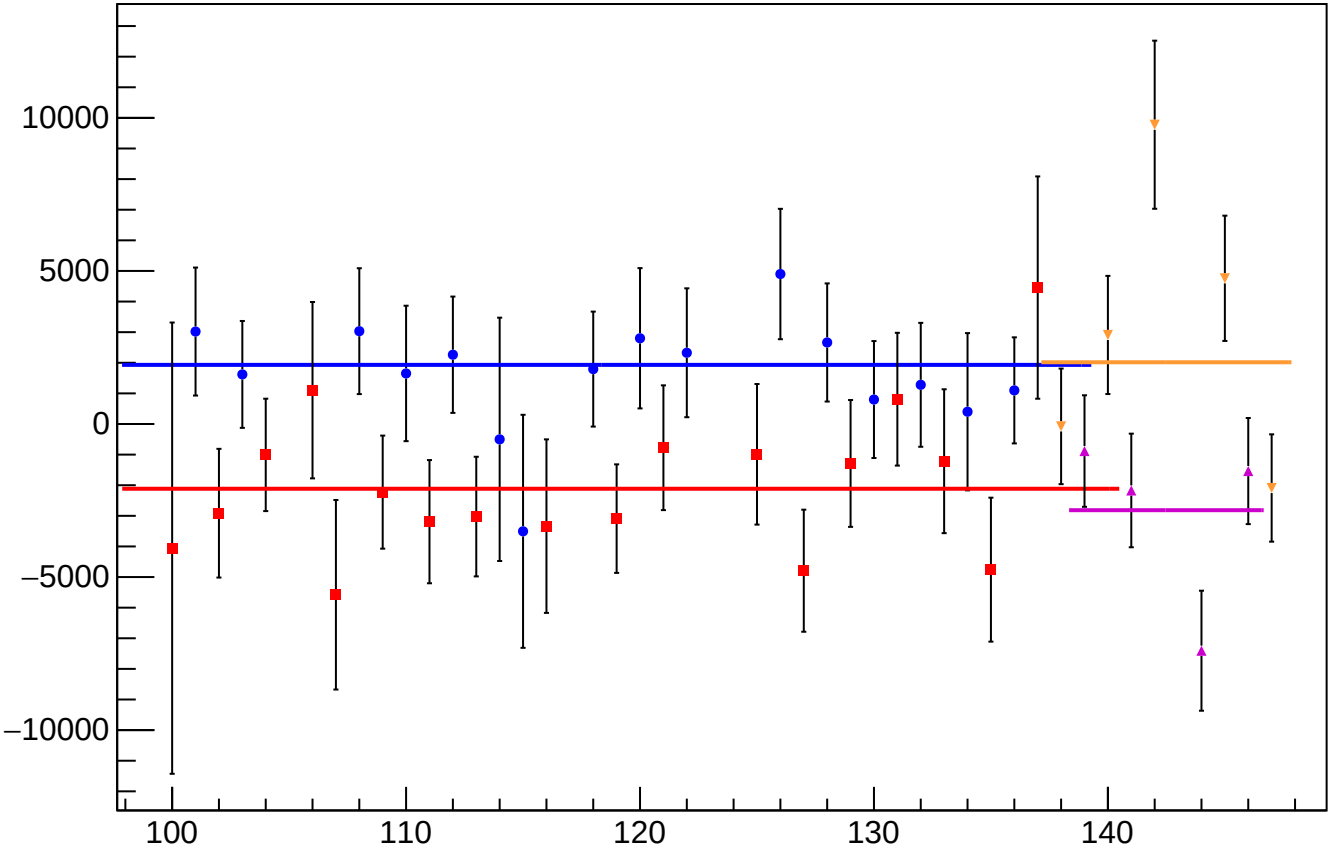
Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

+ sign 3689.719+/-0.819 χ^2/NDF: 1427490.7/20

All: 3665.249+/-0.577 χ^2/NDF: 2762570.8/42

- sign 3641.204+/-0.812 χ^2/NDF: 1333310.2/21

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.677+/-895.888 χ^2/NDF:16.7/4

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

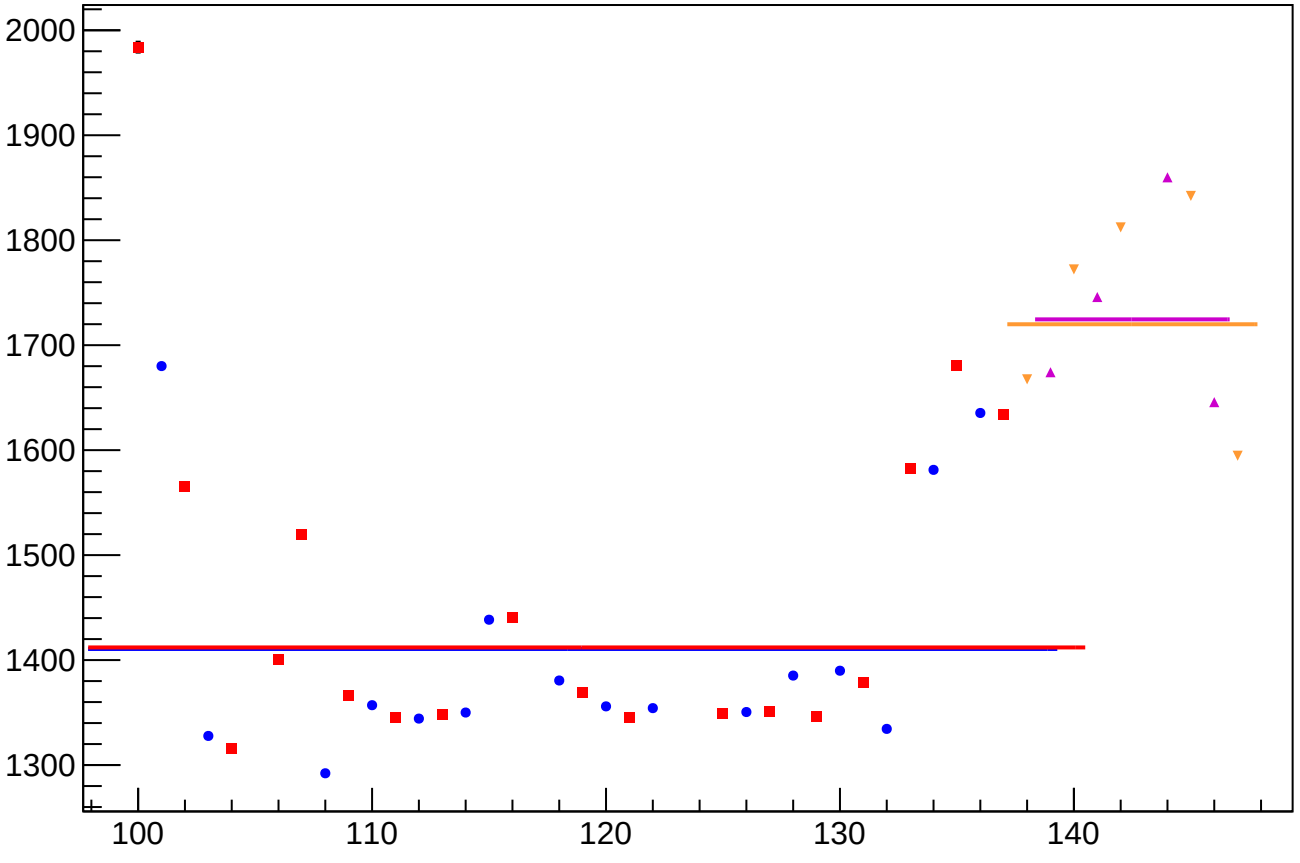
Left In: -2815.843+/-918.799 χ^2/NDF:7.3/3

+ sign 1953.432+/-454.325 χ^2/NDF: 23.1/20

All: -149.494+/-322.658 χ^2/NDF: 87.2/42

- sign -2289.531+/-458.316 χ^2/NDF: 20.9/21

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.930+/-0.633 χ^2/NDF:22620.4/4

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

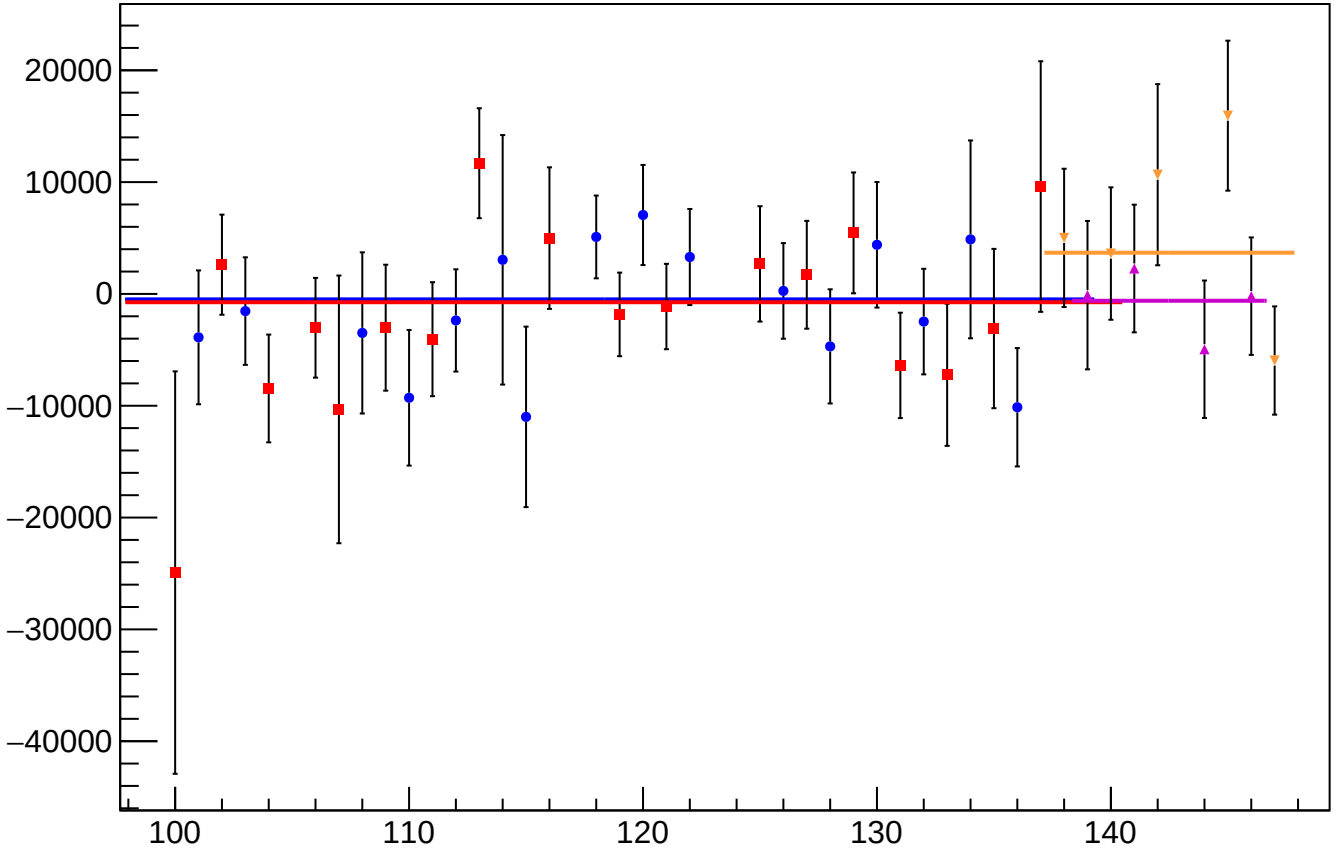
Left In: 1724.587+/-0.650 χ^2/NDF:15461.2/3

+ sign 1490.148+/-0.321 χ^2/NDF: 298890.4/20

All: 1489.827+/-0.228 χ^2/NDF: 578124.9/42

- sign 1489.503+/-0.323 χ^2/NDF: 279232.6/21

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 3685.378+/-2723.437 χ^2/NDF:8.1/4

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

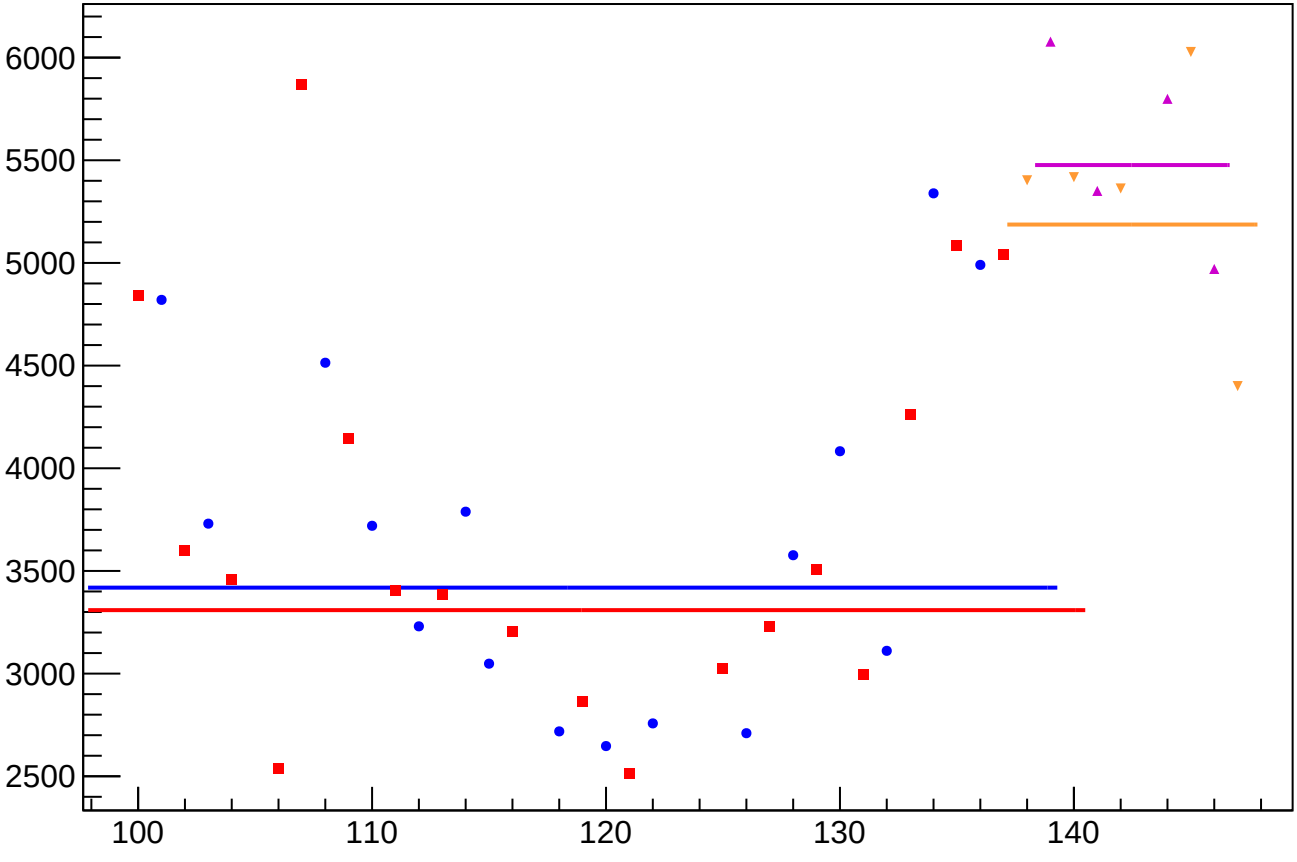
Left In: -611.455+/-2934.746 χ^2/NDF:0.8/3

+ sign 293.753+/-1179.572 χ^2/NDF: 25.8/20

All: -227.102+/-822.852 χ^2/NDF: 46.2/42

- sign -720.817+/-1148.429 χ^2/NDF: 20.0/21

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5186.949+/-1.926 χ^2/NDF:90650.6/4

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

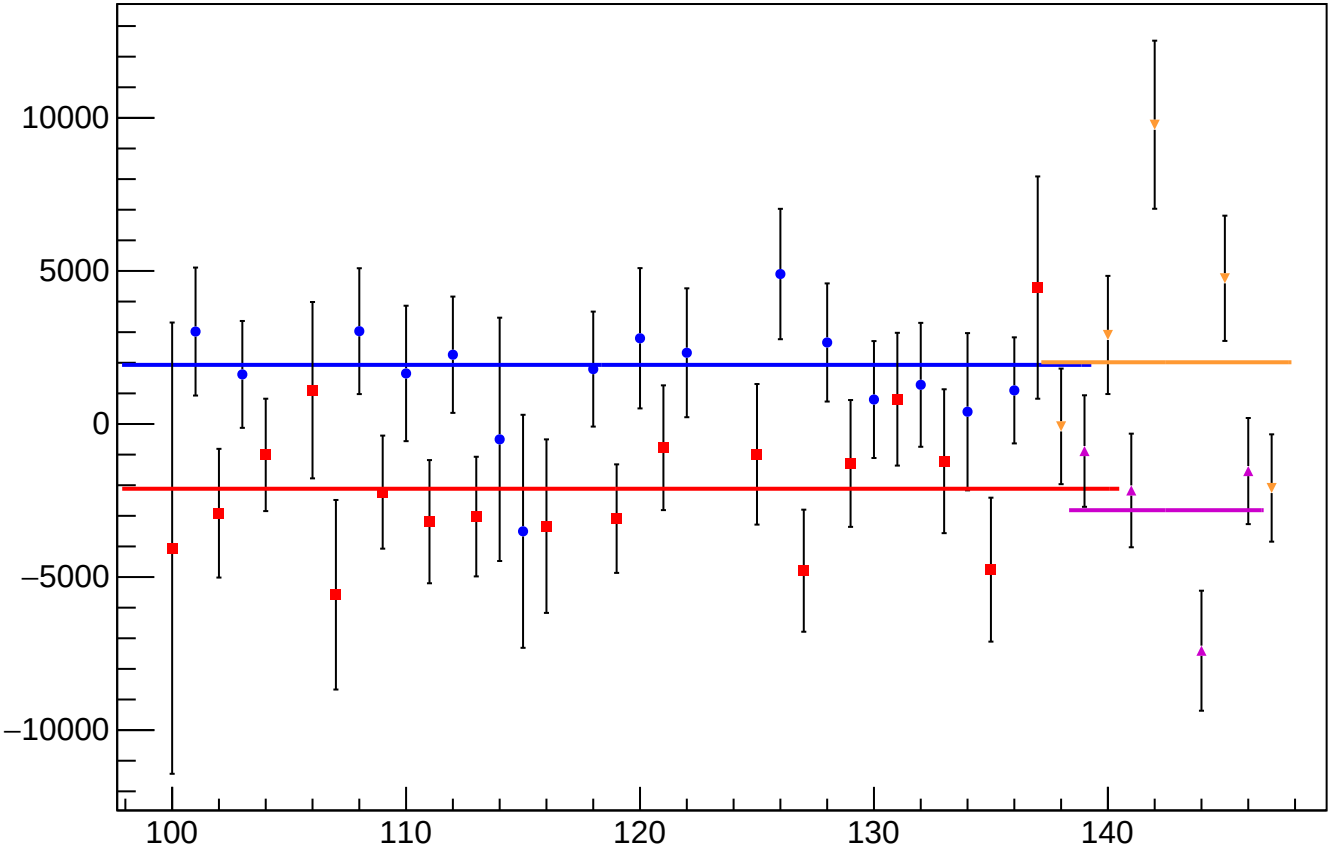
Left In: 5476.690+/-2.075 χ^2/NDF:41440.5/3

+ sign 3750.410+/-0.834 χ^2/NDF: 1496811.3/20

All: 3694.261+/-0.582 χ^2/NDF: 3042980.8/42

- sign 3641.038+/-0.812 χ^2/NDF: 1537342.2/21

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.686+/-895.889 χ^2/NDF:16.7/4

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

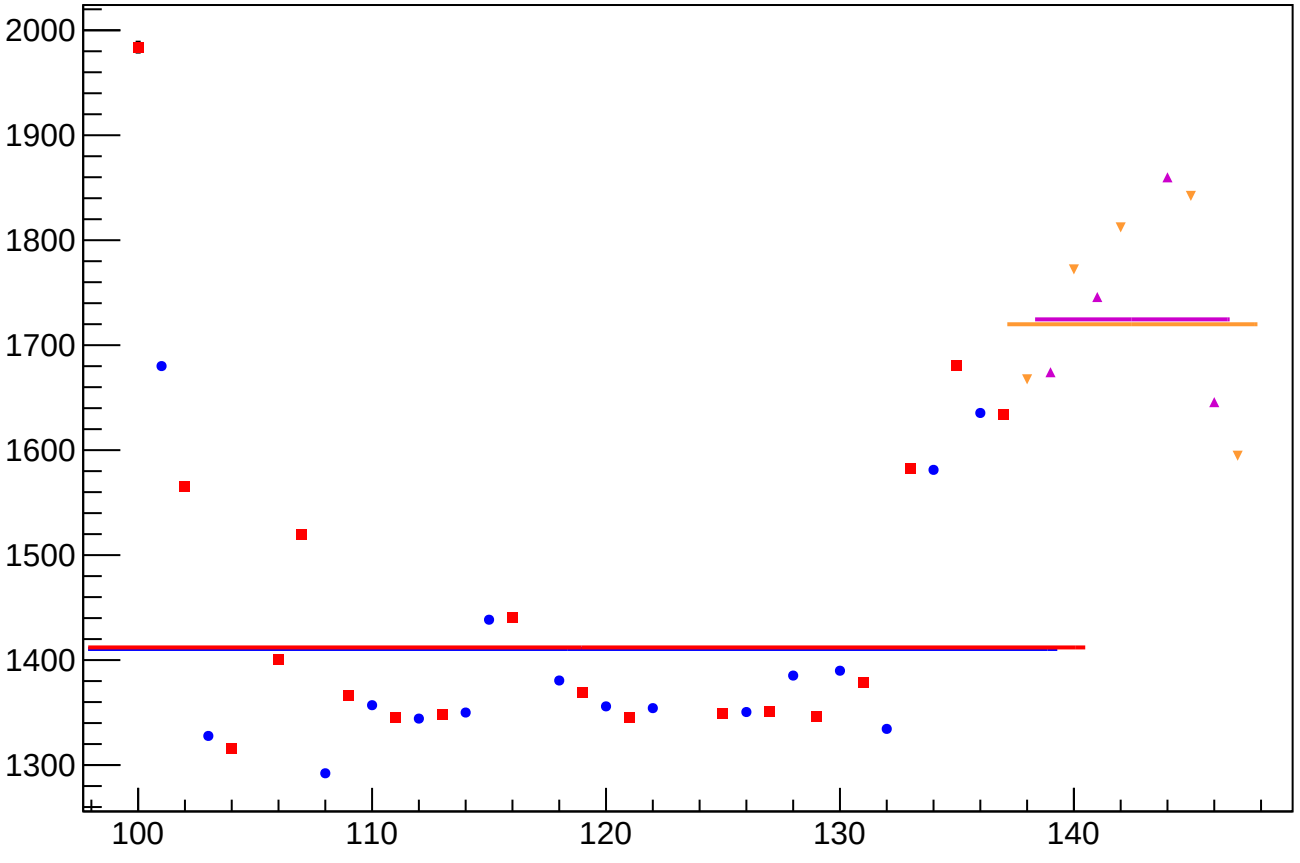
Left In: -2815.845+/-918.800 χ^2/NDF:7.3/3

+ sign 1953.436+/-454.325 χ^2/NDF: 23.1/20

All: -149.492+/-322.658 χ^2/NDF: 87.2/42

- sign -2289.532+/-458.316 χ^2/NDF: 20.9/21

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.931+/-0.633 χ^2/NDF:22621.0/4

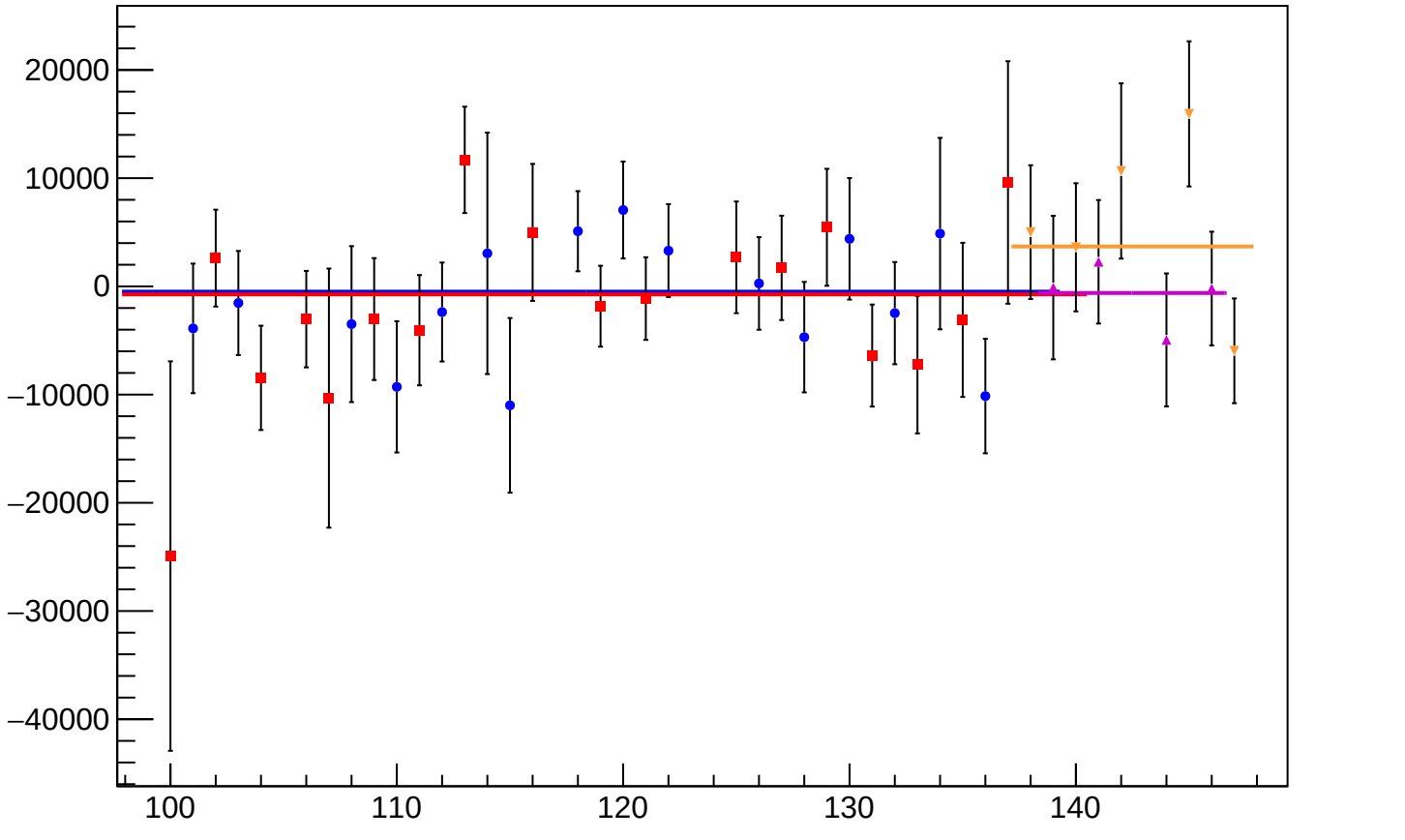
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1724.589+/-0.650 χ^2/NDF:15461.3/3

+ sign 1490.148+/-0.321 χ^2/NDF: 298892.0/20

All: 1489.828+/-0.228 χ^2/NDF: 578128.6/42

- sign 1489.503+/-0.323 χ^2/NDF: 279234.6/21



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 3685.376+/-2723.442 χ^2/NDF:8.1/4

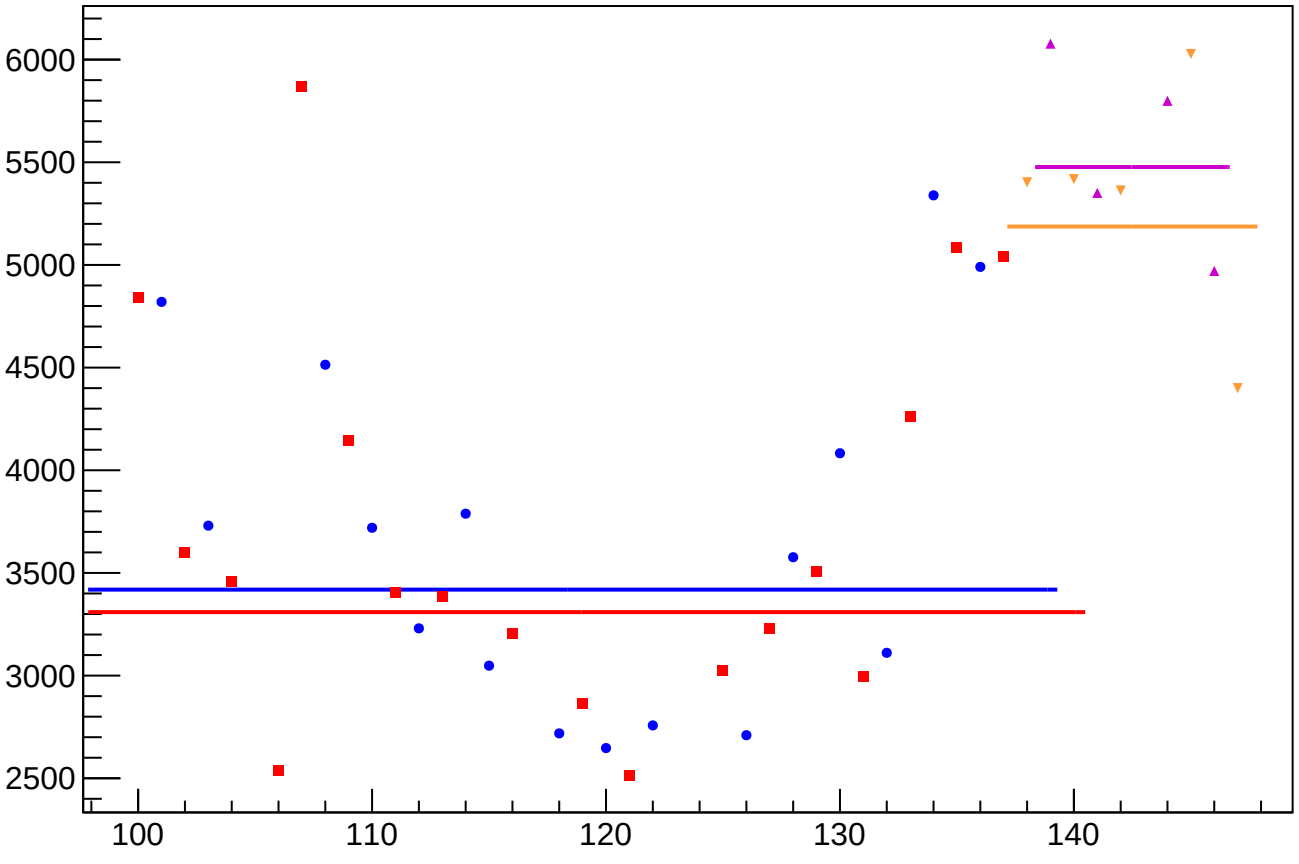
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -611.455+/-2934.752 χ^2/NDF:0.8/3

+ sign 293.752+/-1179.569 χ^2/NDF: 25.8/20

All: -227.104+/-822.850 χ^2/NDF: 46.2/42

- sign -720.819+/-1148.426 χ^2/NDF: 20.0/21



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5186.958+/-1.926 χ^2/NDF:90652.3/4

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

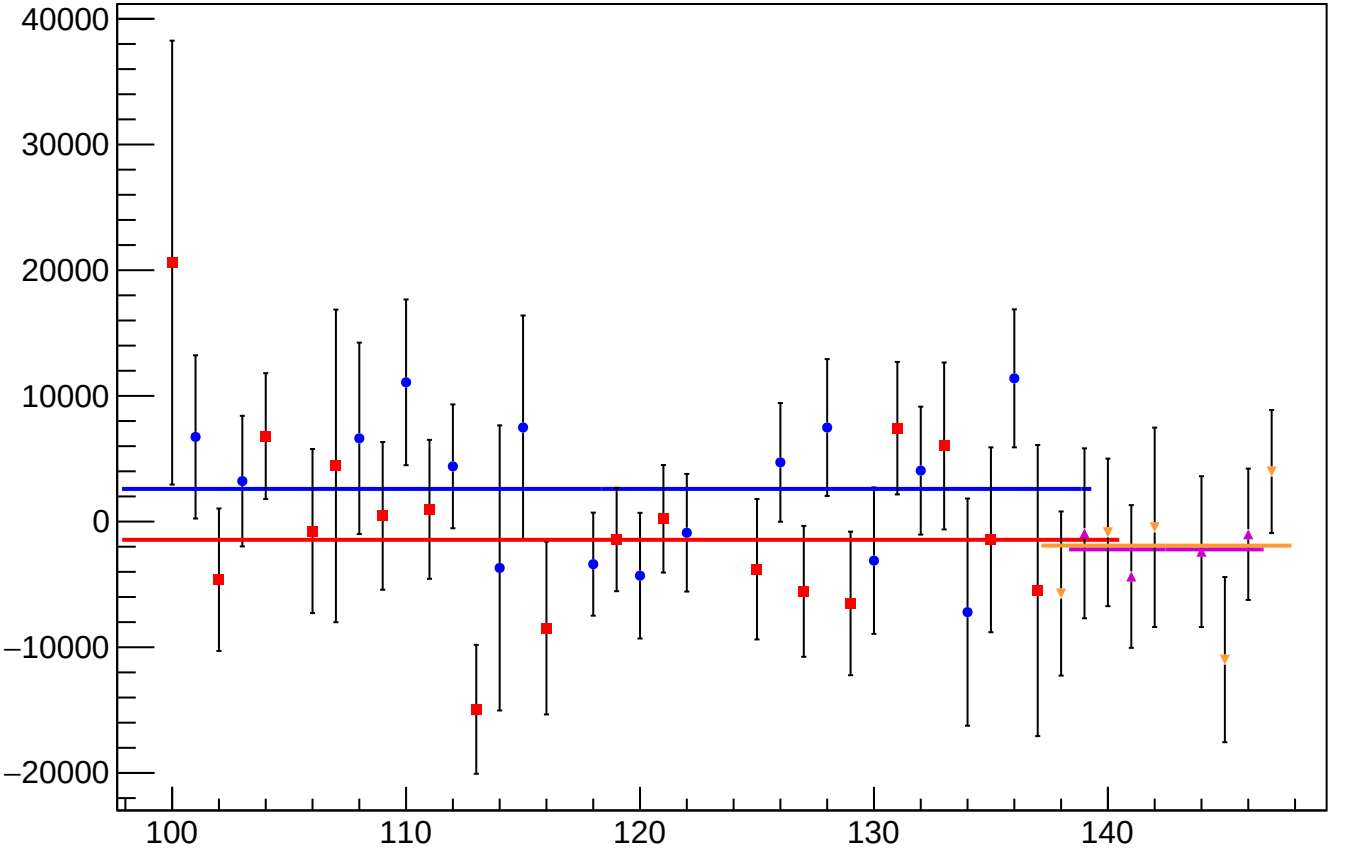
Left In: 5476.700+/-2.075 χ^2/NDF:41441.3/3

+ sign 3750.400+/-0.834 χ^2/NDF: 1496835.9/20

All: 3694.252+/-0.582 χ^2/NDF: 3043025.0/42

- sign 3641.029+/-0.812 χ^2/NDF: 1537361.9/21

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1911.246+/-2739.455 χ^2/NDF:3.8/4

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

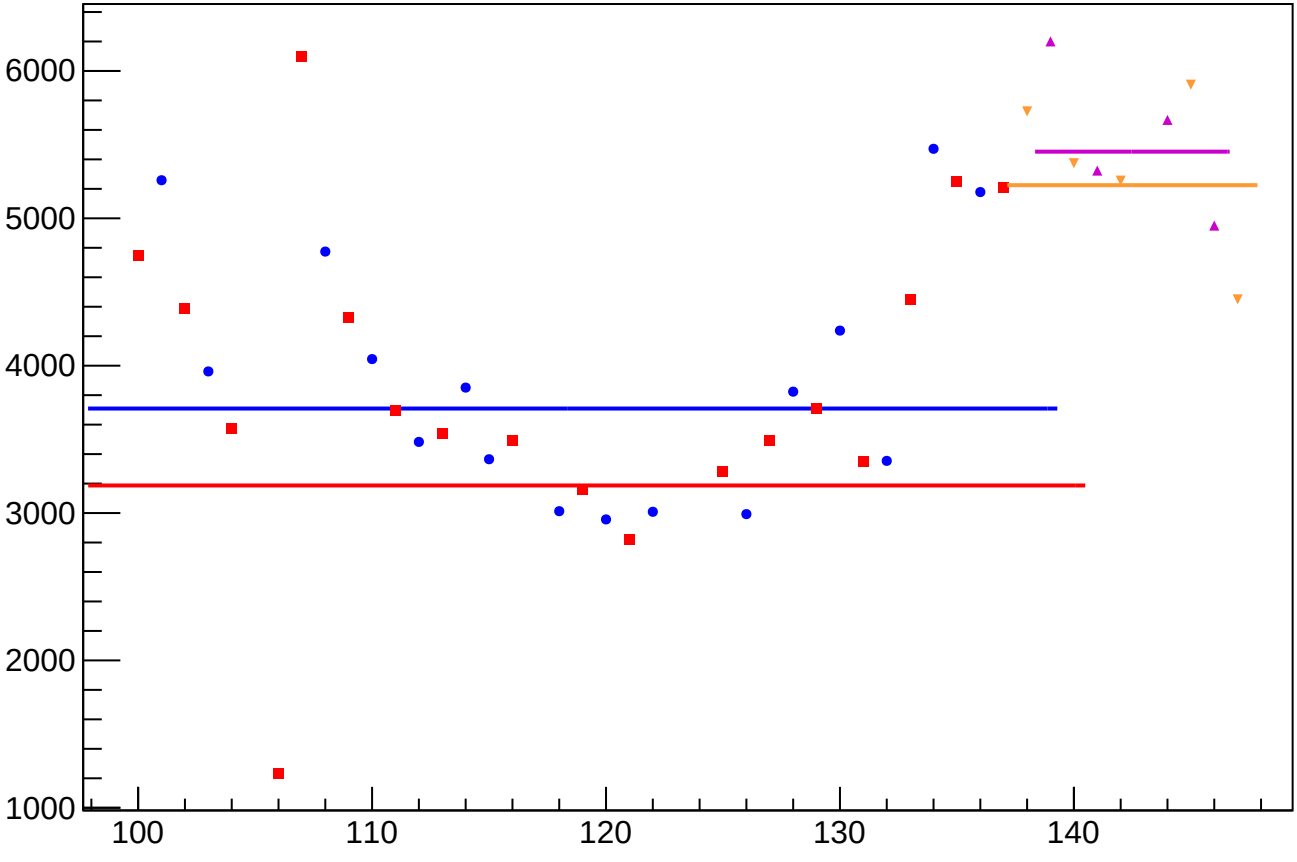
Left In: -2211.343+/-2919.745 χ^2/NDF:0.2/3

+ sign 1650.124+/-1256.843 χ^2/NDF: 19.4/20

All: 20.969+/-886.201 χ^2/NDF: 42.1/42

- sign -1589.828+/-1249.741 χ^2/NDF: 19.3/21

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5225.044+/-1.937 χ^2/NDF:84731.1/4

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

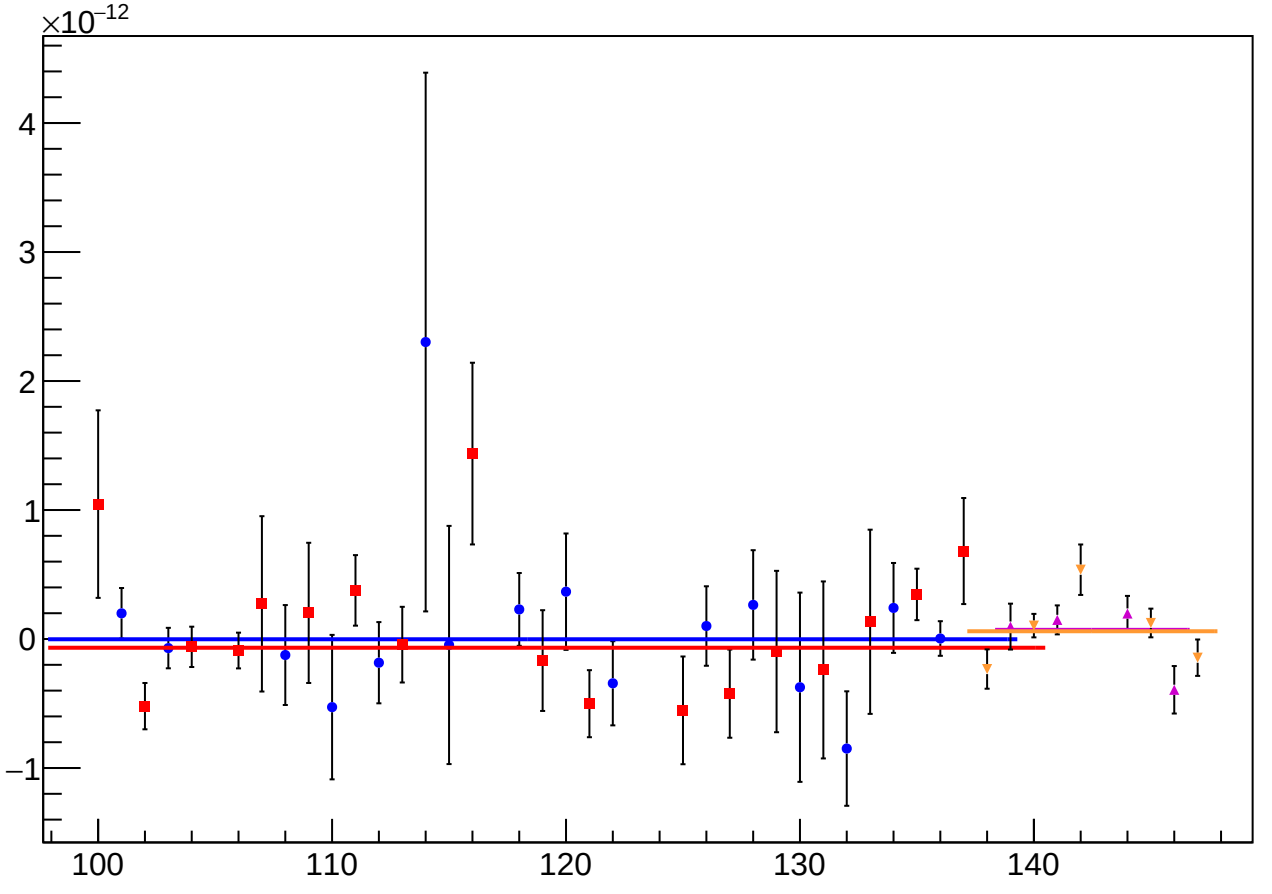
Left In: 5452.416+/-2.065 χ^2/NDF:46547.0/3

+ sign 4028.235+/-0.889 χ^2/NDF: 1178865.7/20

All: 3768.180+/-0.603 χ^2/NDF: 4008214.3/42

- sign 3545.924+/-0.822 χ^2/NDF: 2670544.5/21

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:12.3/4

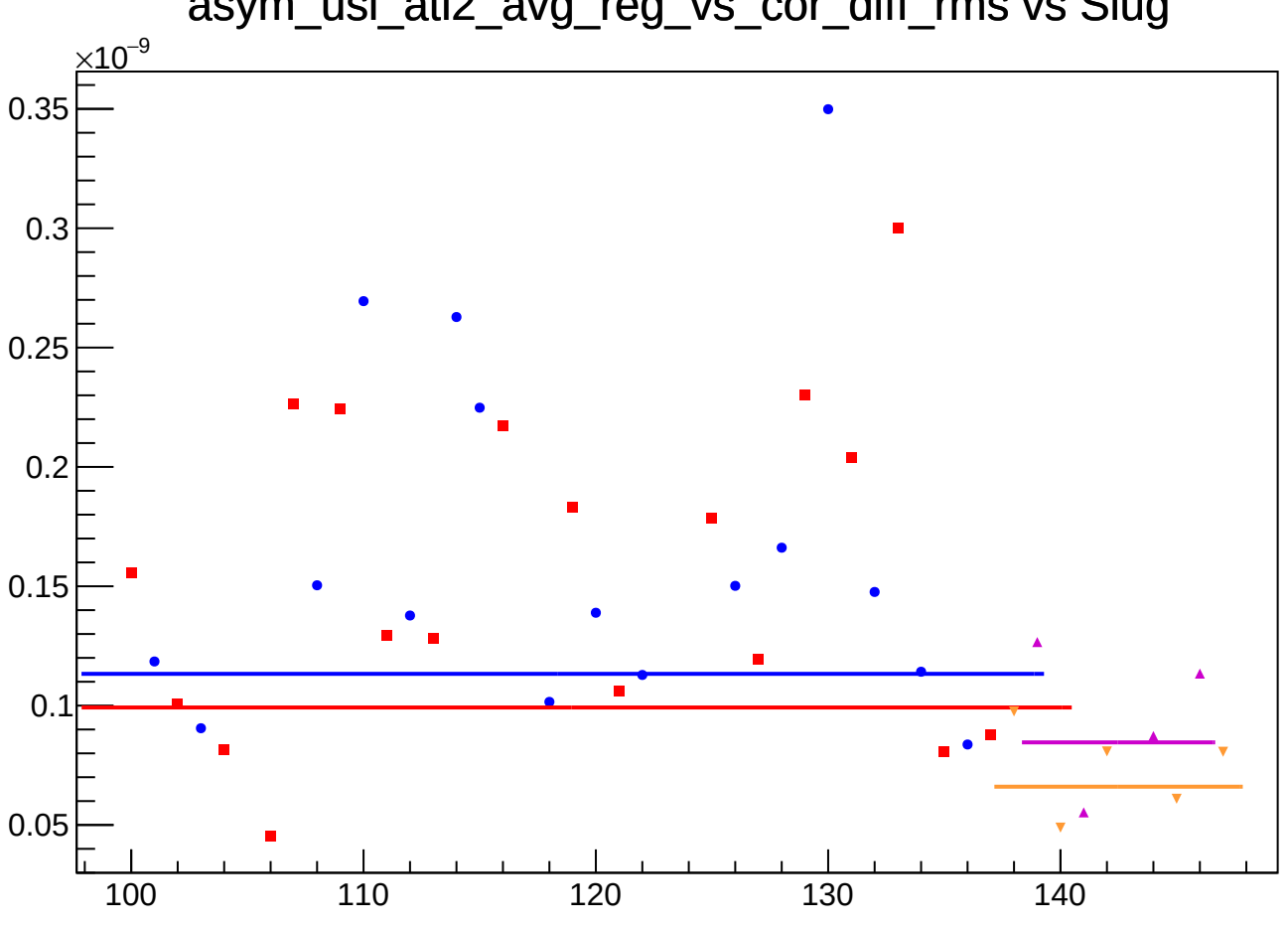
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 63.5/42

- sign -0.000+/-0.000 χ^2/NDF: 39.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:193547.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

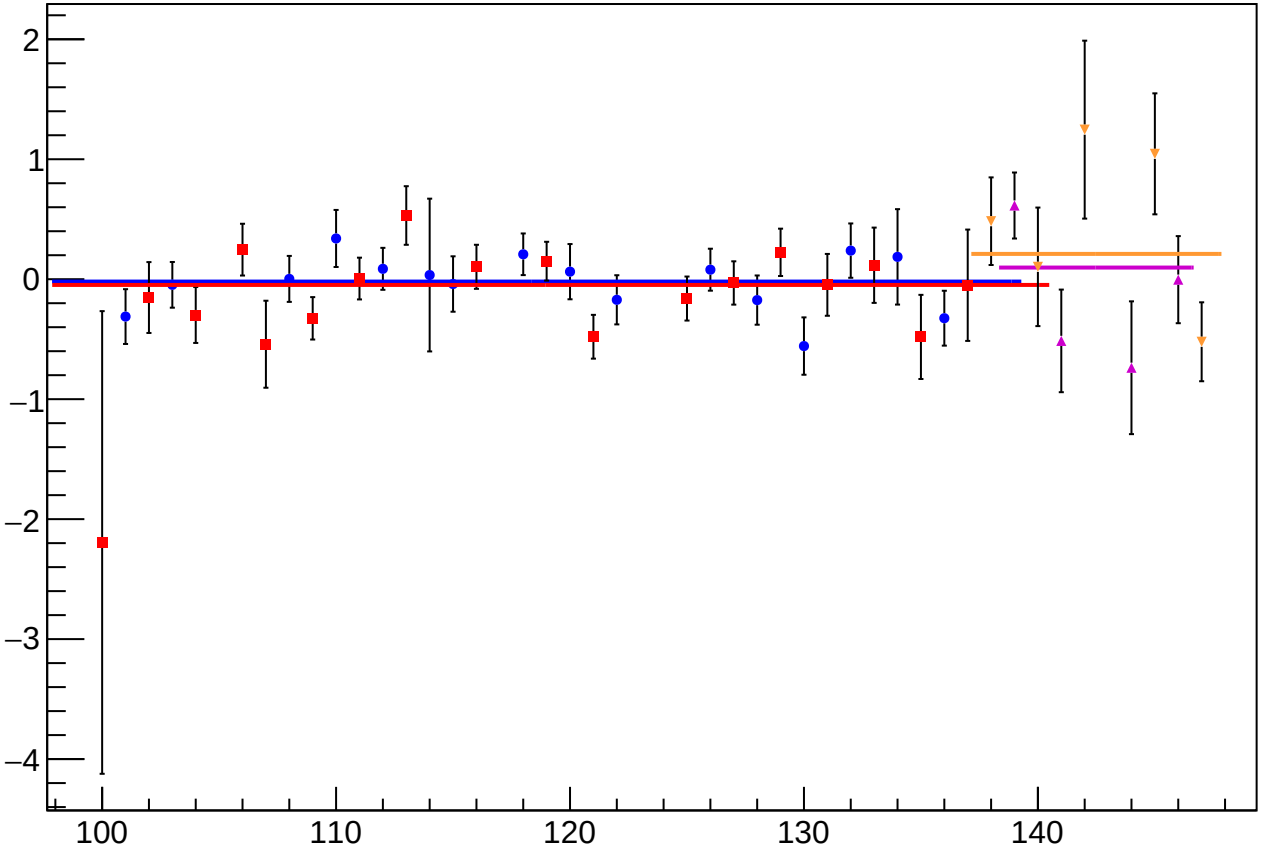
Left In: 0.000+/-0.000 χ^2/NDF:297627.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 1402932.7/20

All: 0.000+/-0.000 χ^2/NDF: 2878787.3/42

- sign 0.000+/-0.000 χ^2/NDF: 1443614.5/21

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

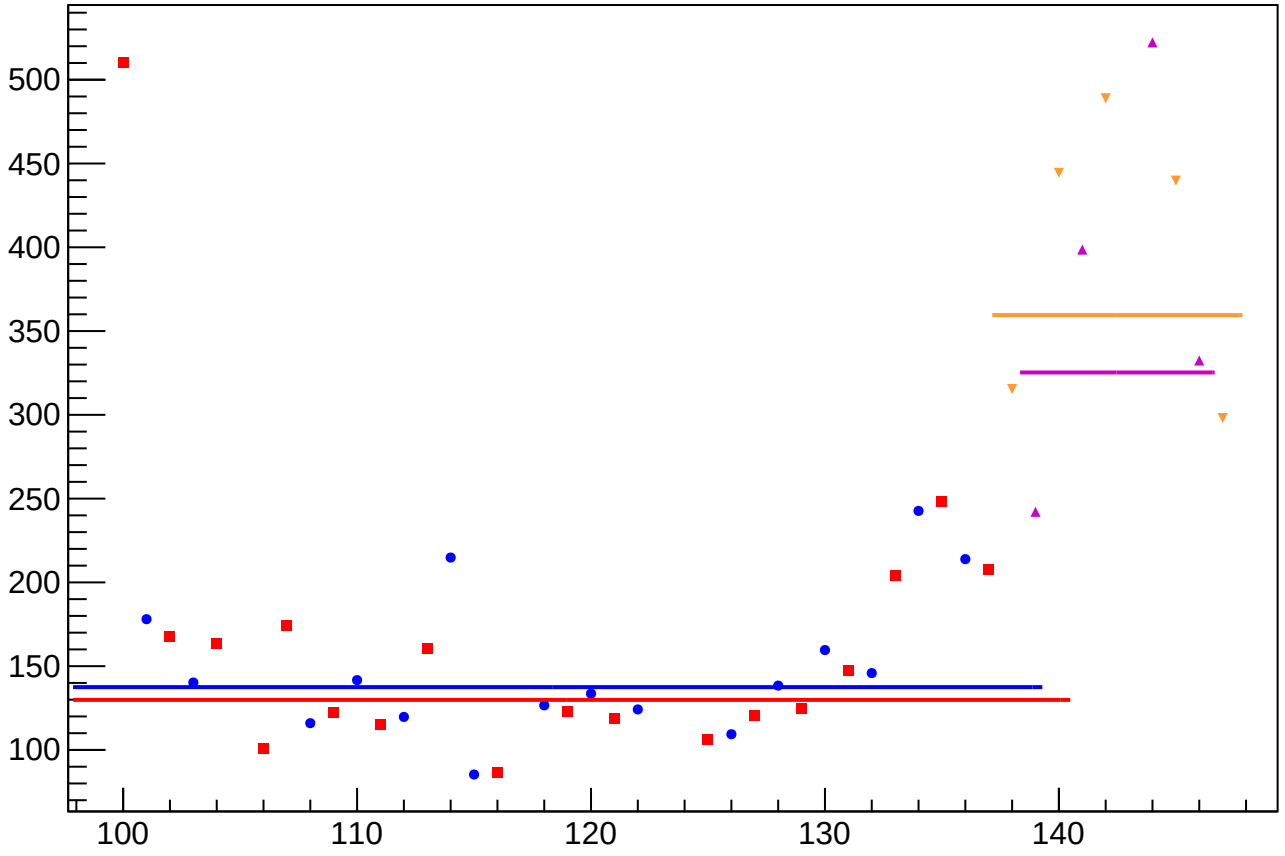
Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.020+/-0.036 χ^2/NDF: 62.6/42

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

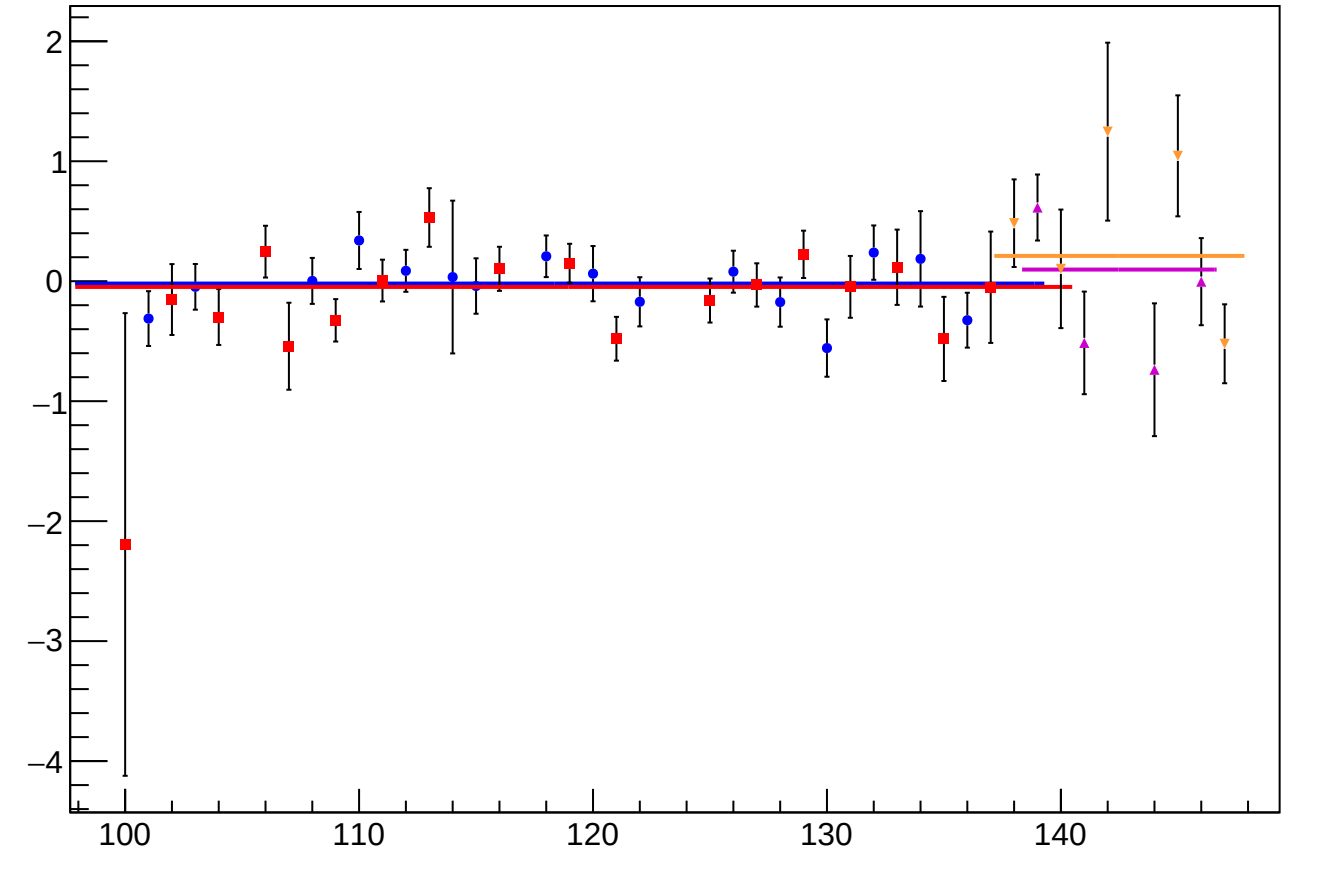
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

+ sign 153.580+/-0.037 χ^2/NDF: 3393980.4/20

All: 148.936+/-0.026 χ^2/NDF: 6839955.3/42

- sign 144.593+/-0.036 χ^2/NDF: 3415342.4/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

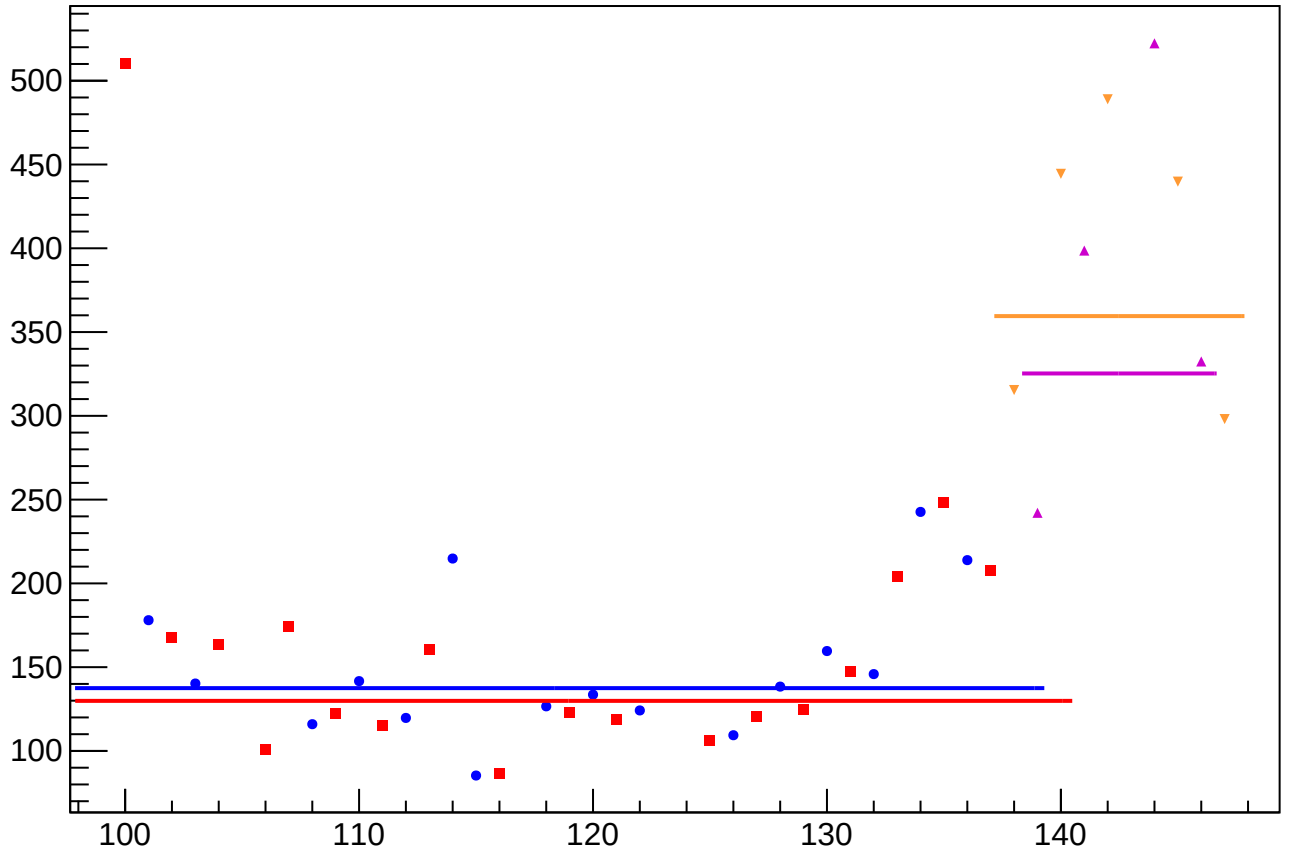
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.020+/-0.036 χ^2/NDF: 62.6/42

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

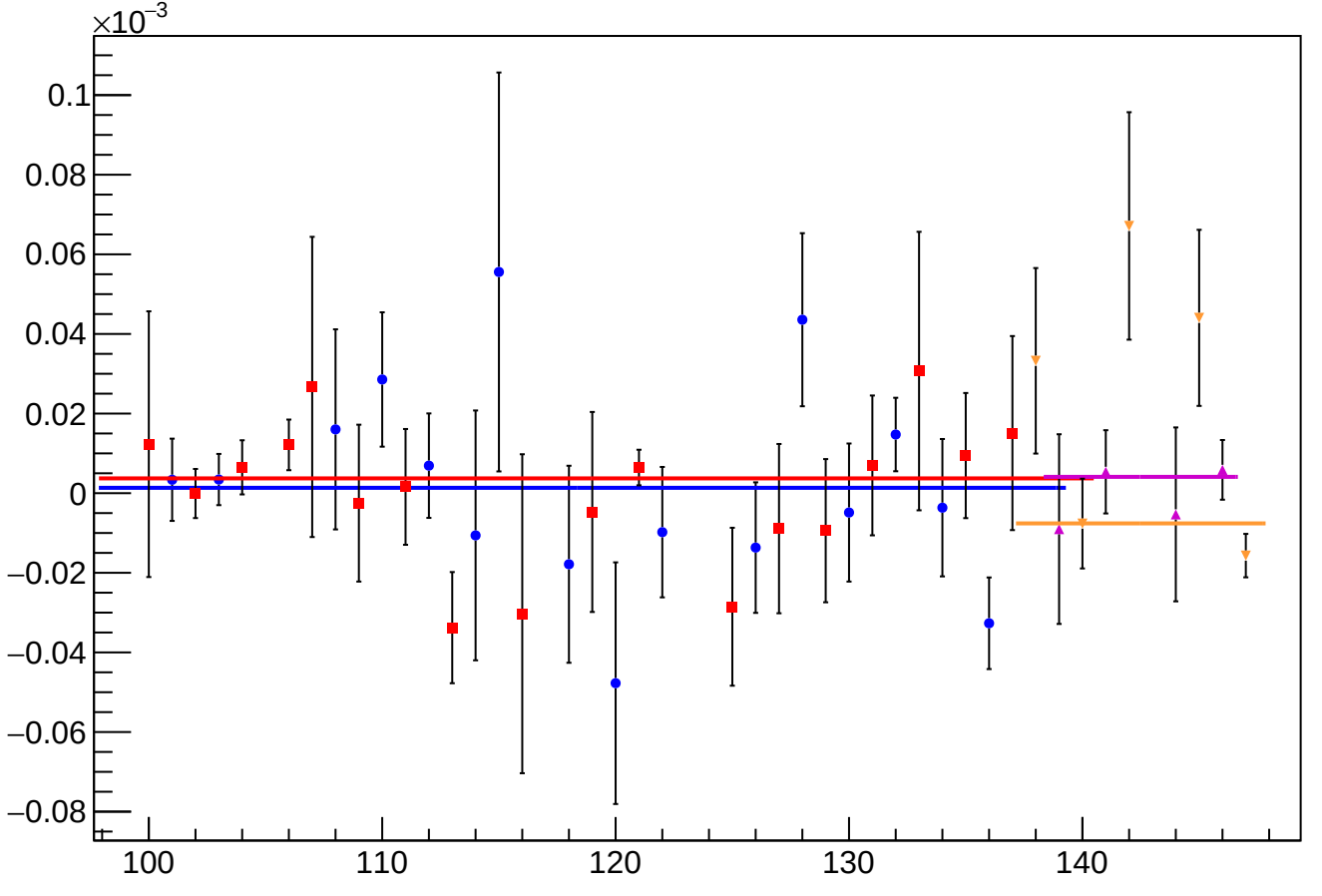
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

+ sign 153.580+/-0.037 χ^2/NDF: 3393980.4/20

All: 148.936+/-0.026 χ^2/NDF: 6839955.3/42

- sign 144.593+/-0.036 χ^2/NDF: 3415342.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

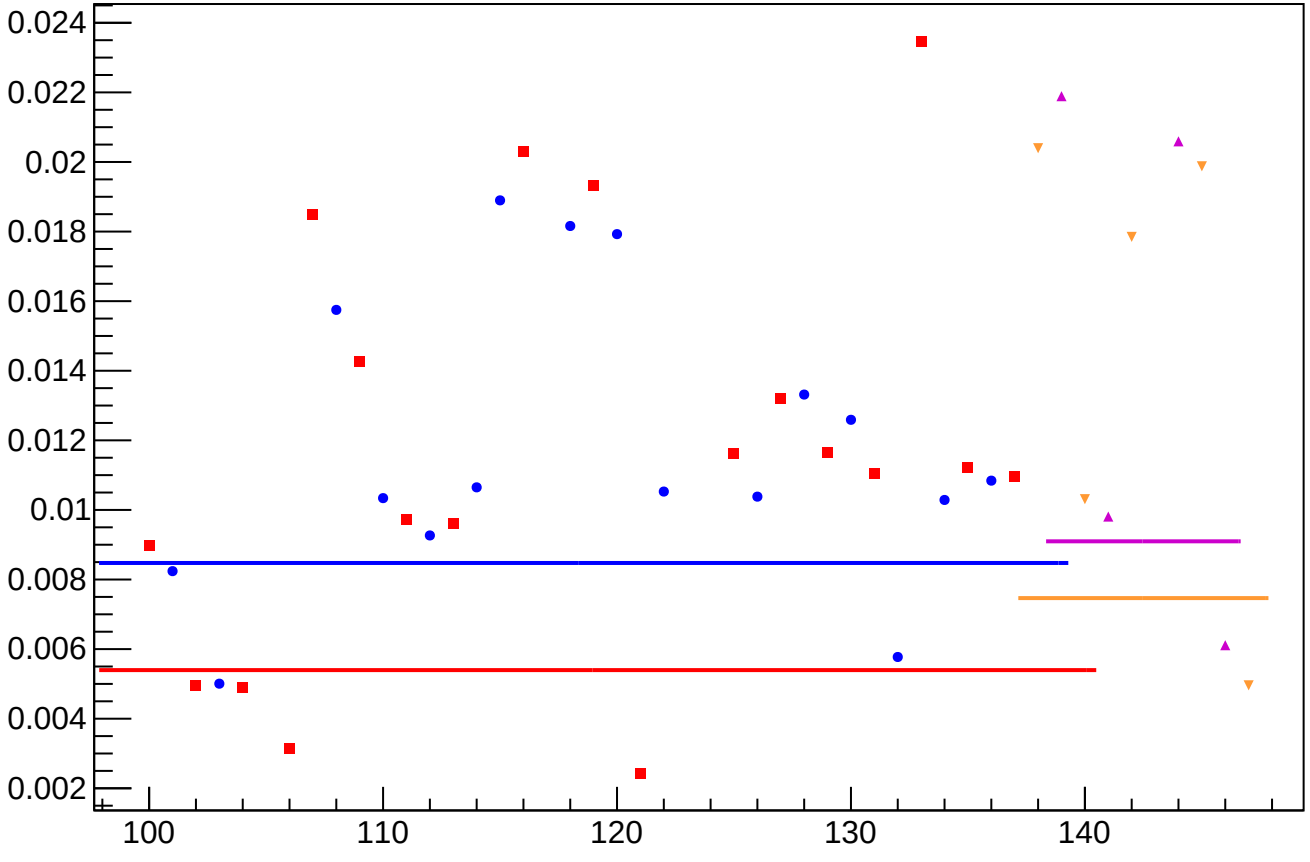
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/20

All: 0.000+/-0.000 χ^2/NDF: 62.7/42

- sign 0.000+/-0.000 χ^2/NDF: 16.3/21

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:2059297.8/4

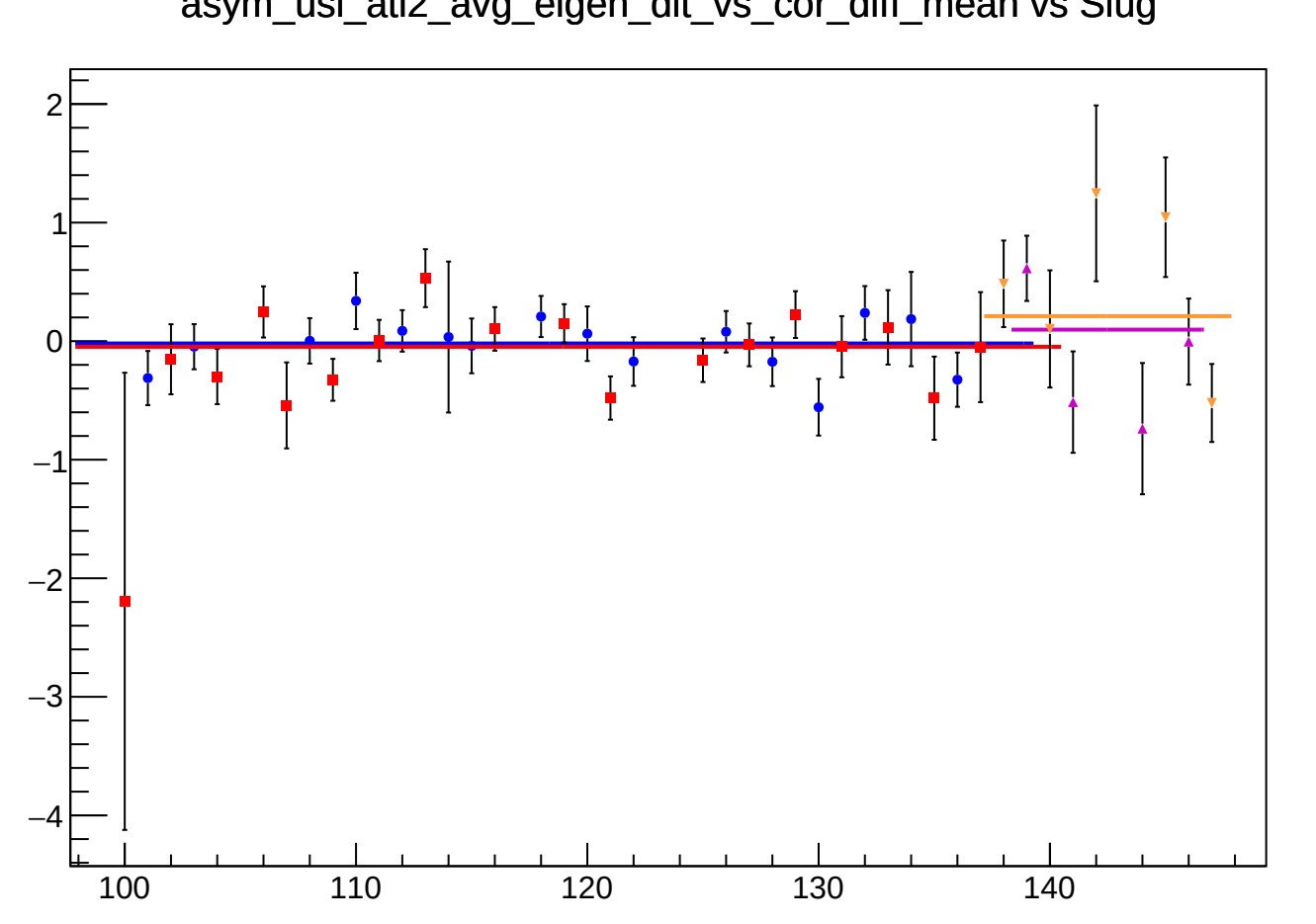
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.009+/-0.000 χ^2/NDF:1457199.9/3

+ sign 0.008+/-0.000 χ^2/NDF: 4046407.6/20

All: 0.007+/-0.000 χ^2/NDF: 11804145.0/42

- sign 0.006+/-0.000 χ^2/NDF: 7071526.8/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

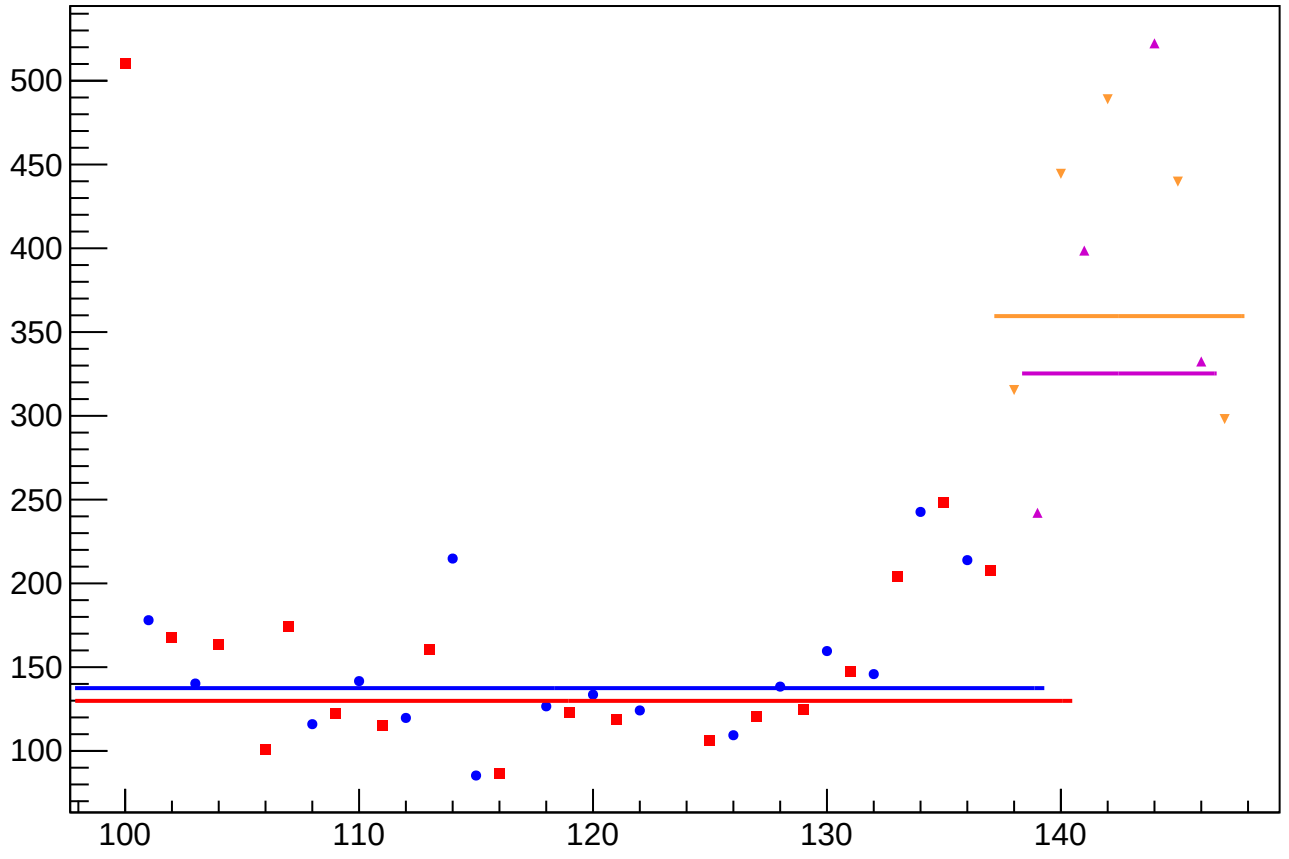
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.020+/-0.036 χ^2/NDF: 62.6/42

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

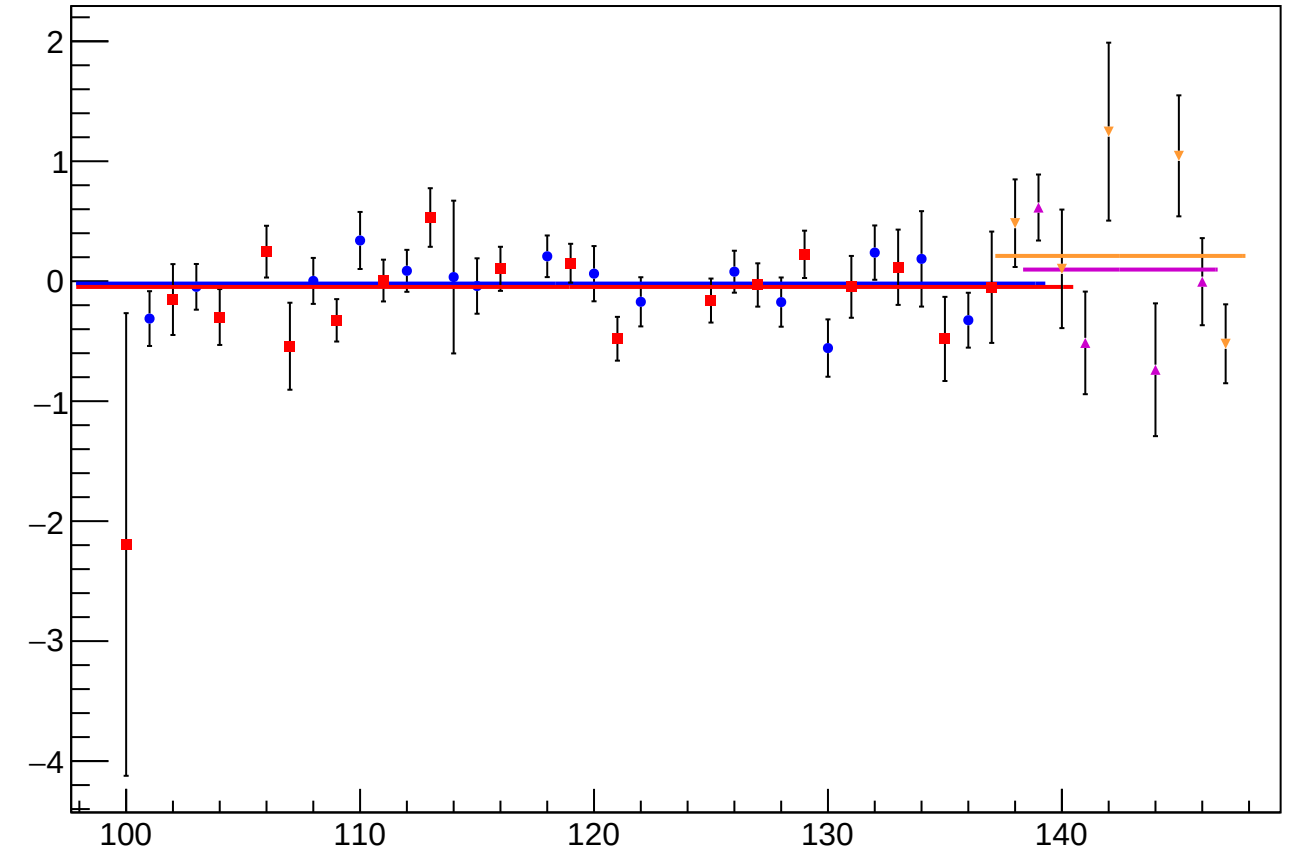
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

+ sign 153.580+/-0.037 χ^2/NDF: 3394008.5/20

All: 148.936+/-0.026 χ^2/NDF: 6839980.4/42

- sign 144.593+/-0.036 χ^2/NDF: 3415340.7/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

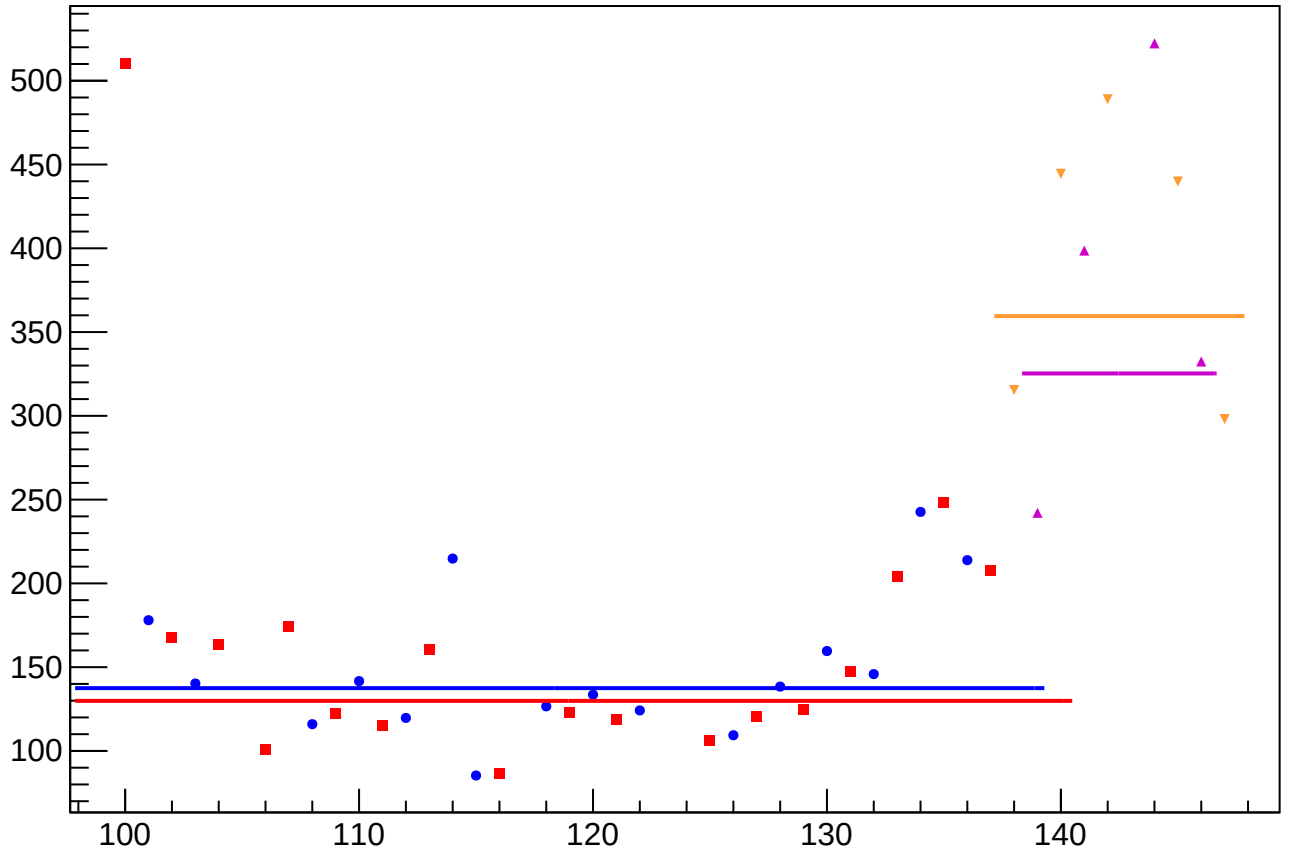
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.020+/-0.036 χ^2/NDF: 62.6/42

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

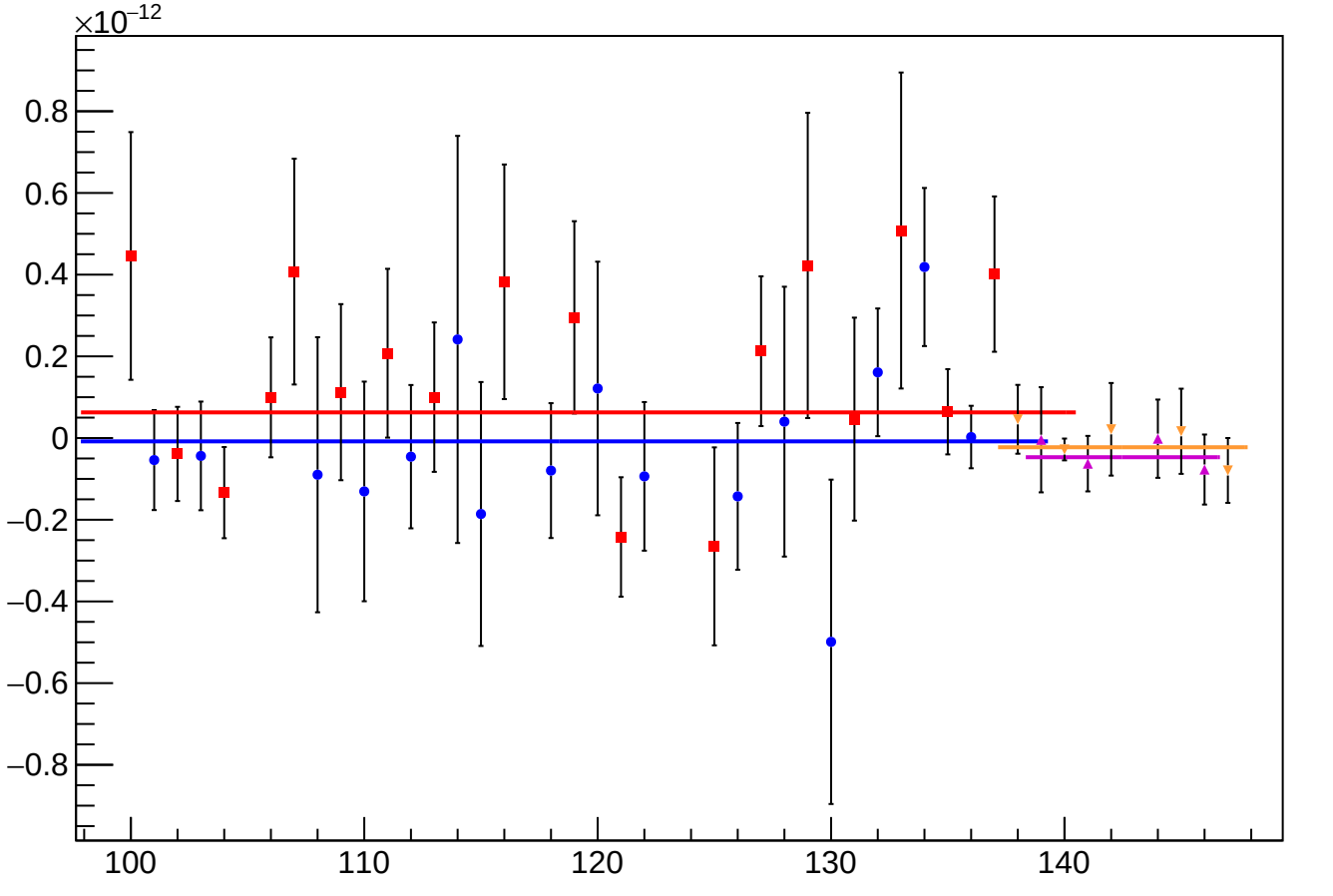
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

+ sign 153.580+/-0.037 χ^2/NDF: 3394008.5/20

All: 148.936+/-0.026 χ^2/NDF: 6839980.4/42

- sign 144.593+/-0.036 χ^2/NDF: 3415340.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

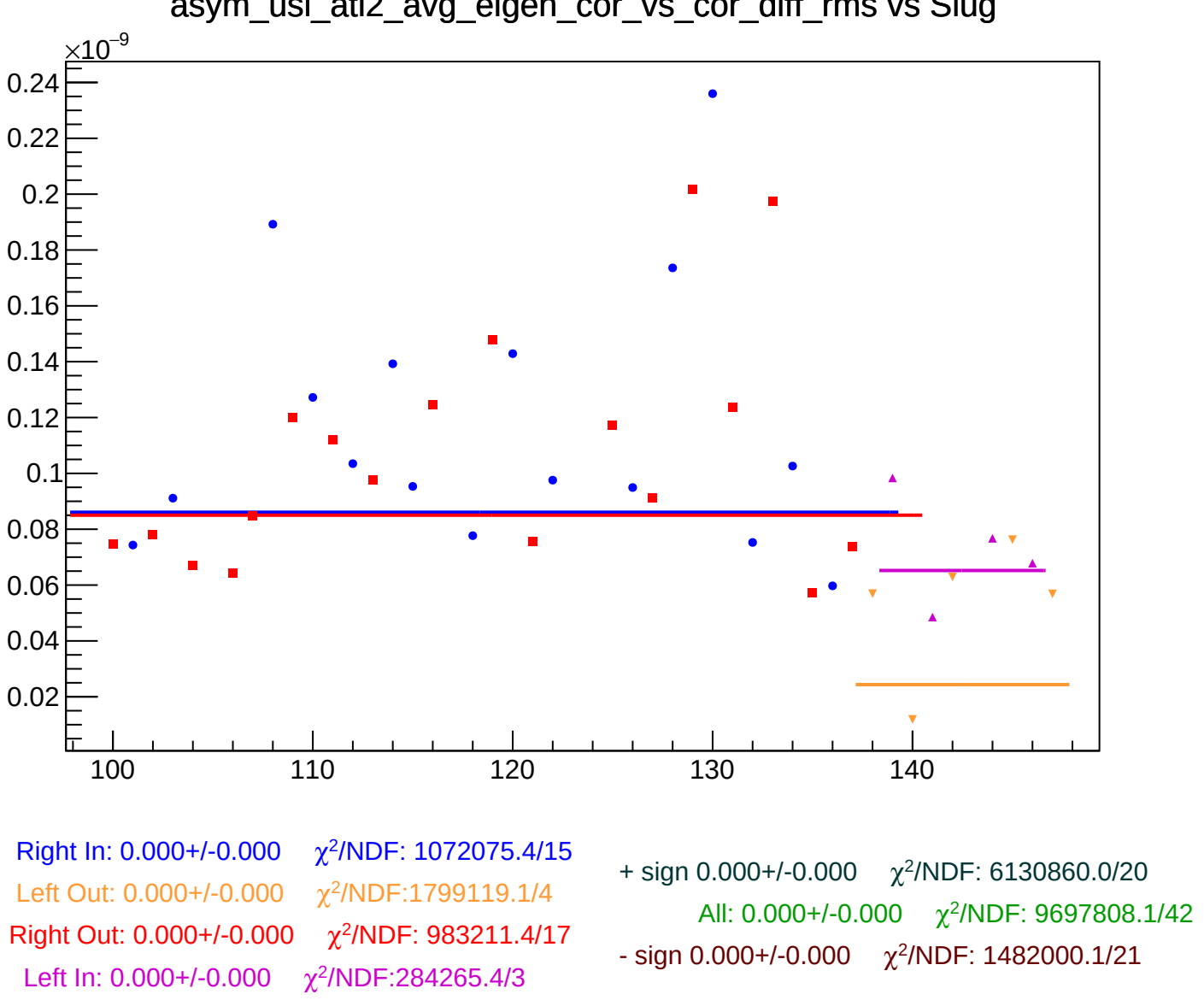
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

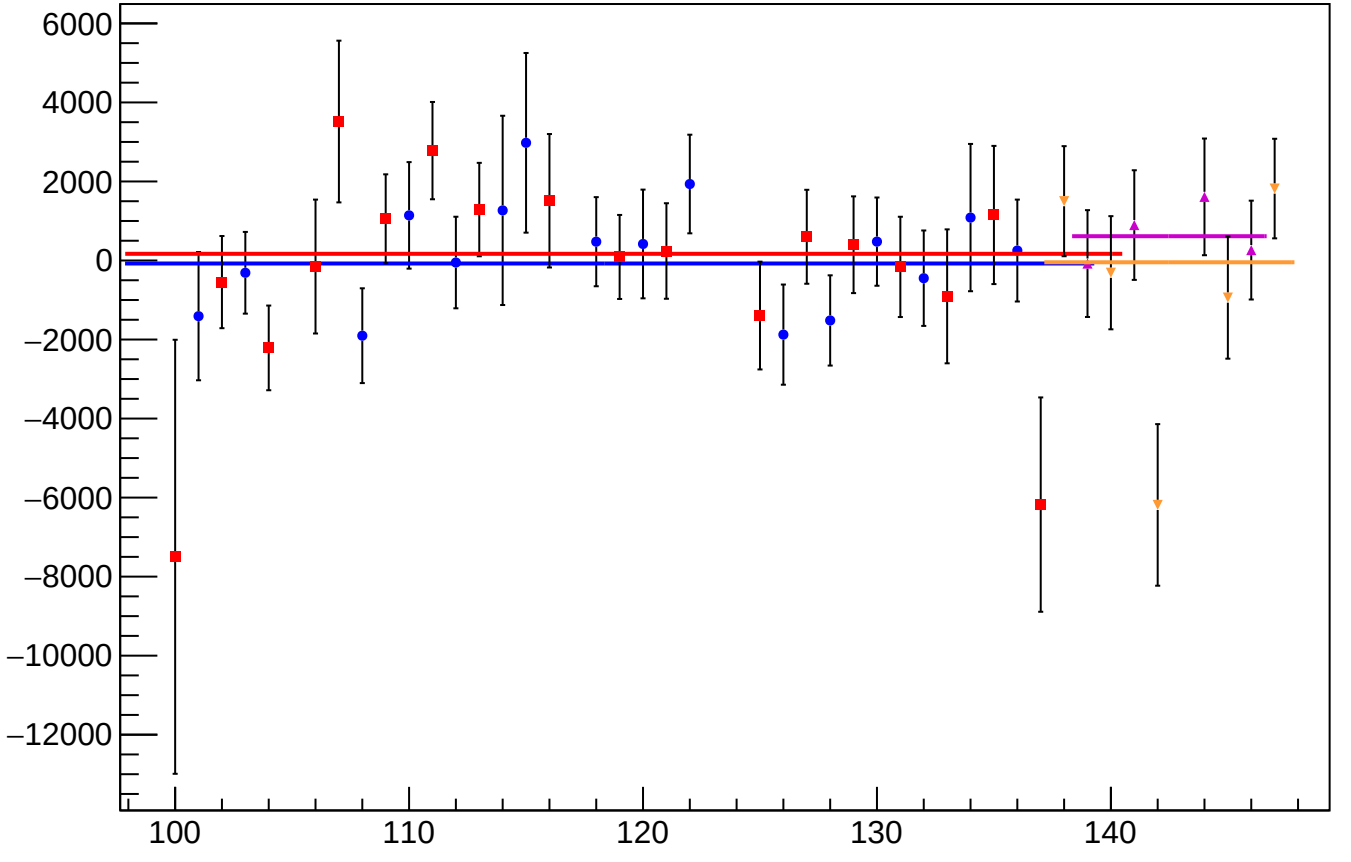
+ sign -0.000+/-0.000 χ^2/NDF: 11.4/20

All: -0.000+/-0.000 χ^2/NDF: 38.1/42

- sign 0.000+/-0.000 χ^2/NDF: 26.0/21


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1799119.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:284265.4/3
+ sign 0.000+/-0.000 χ²/NDF: 6130860.0/20
All: 0.000+/-0.000 χ²/NDF: 9697808.1/42
- sign 0.000+/-0.000 χ²/NDF: 1482000.1/21

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -44.959+/-660.694 χ^2/NDF:12.8/4

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

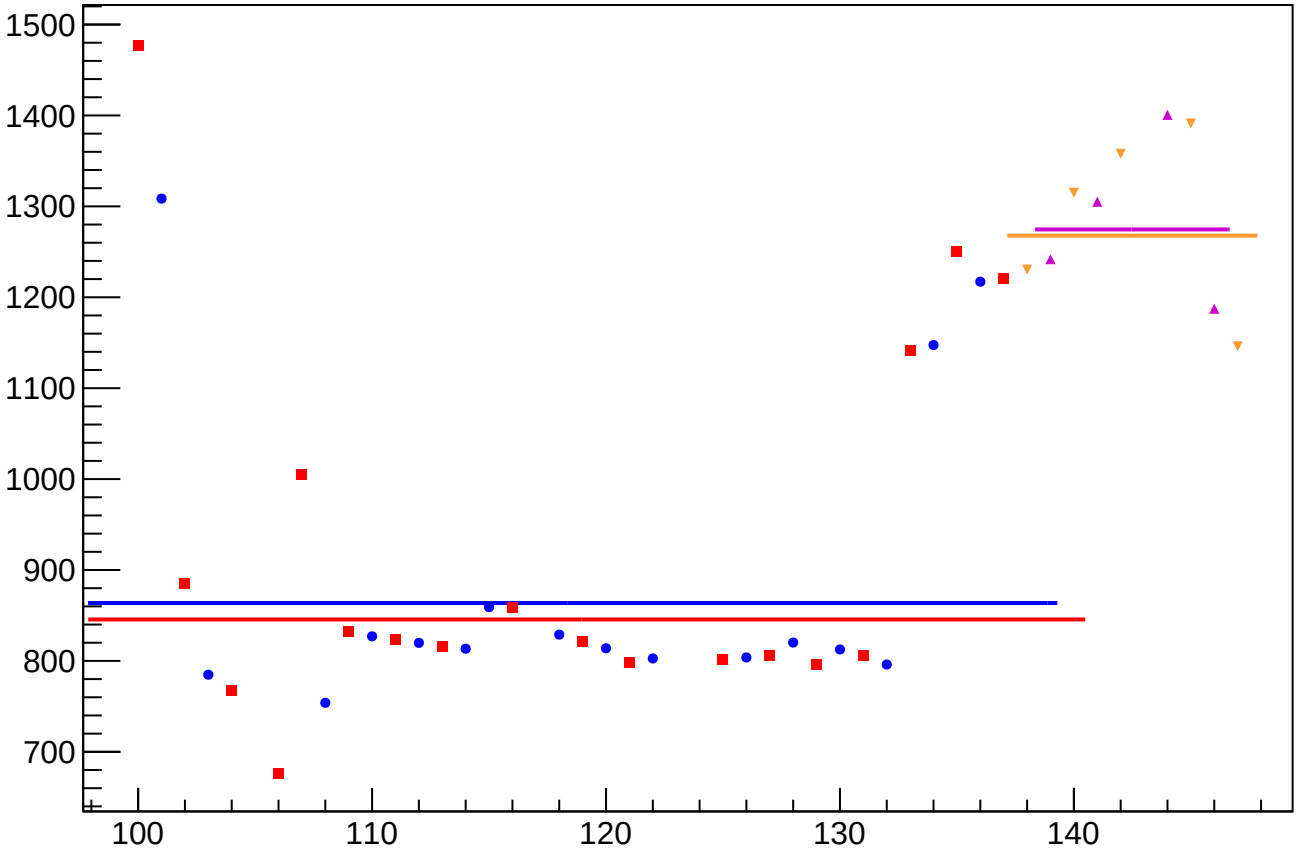
Left In: 614.535+/-679.645 χ^2/NDF:0.8/3

+ sign -69.871+/-292.512 χ^2/NDF: 26.2/20

All: 91.412+/-206.253 χ^2/NDF: 52.3/42

- sign 250.884+/-290.866 χ^2/NDF: 25.6/21

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

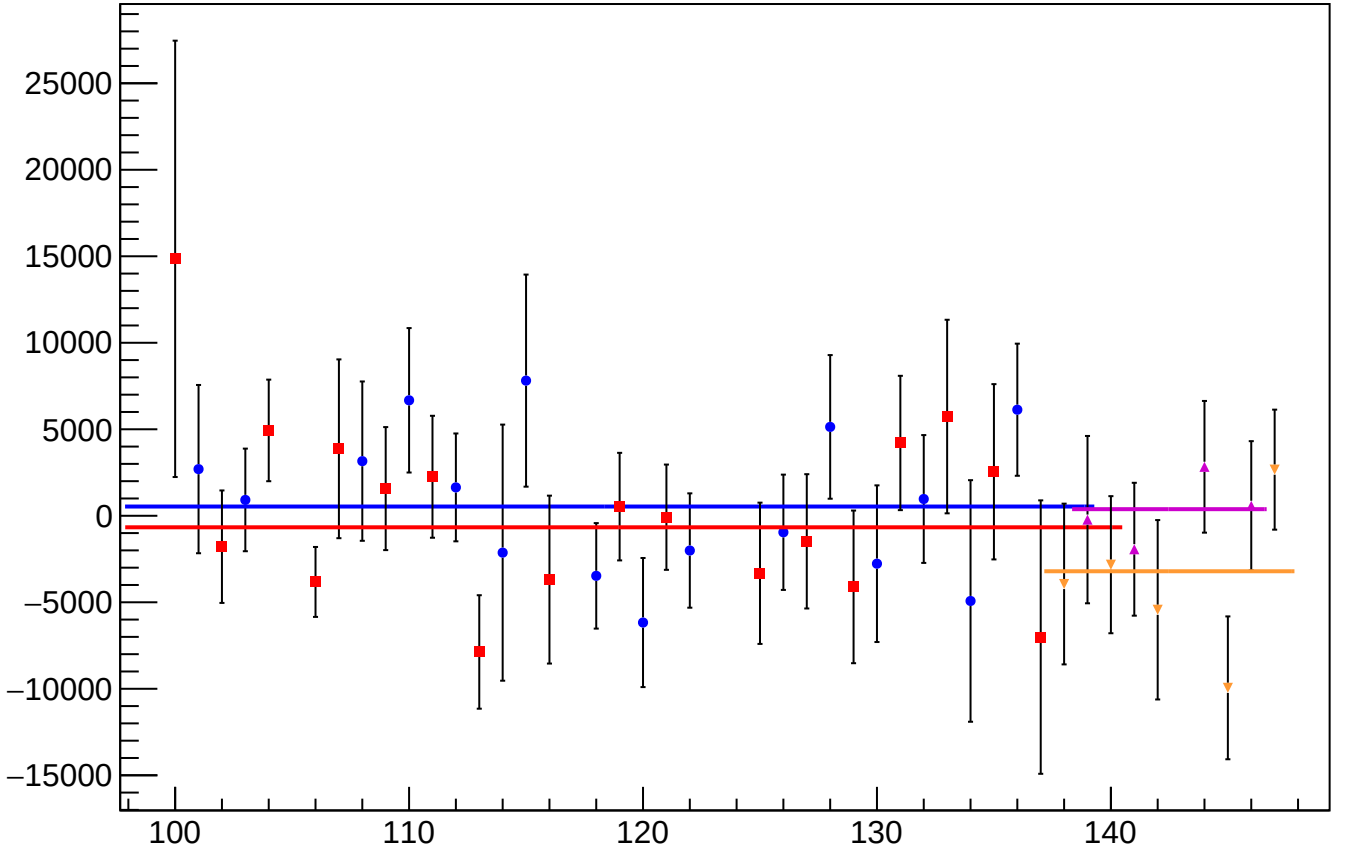
Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

\+ sign 942.883+/-0.207 χ^2/NDF: 1048130.2/20

All: 932.569+/-0.145 χ^2/NDF: 2041224.8/42

\- sign 922.576+/-0.204 χ^2/NDF: 988199.1/21

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3206.890+/-1860.098 χ^2/NDF:5.7/4

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

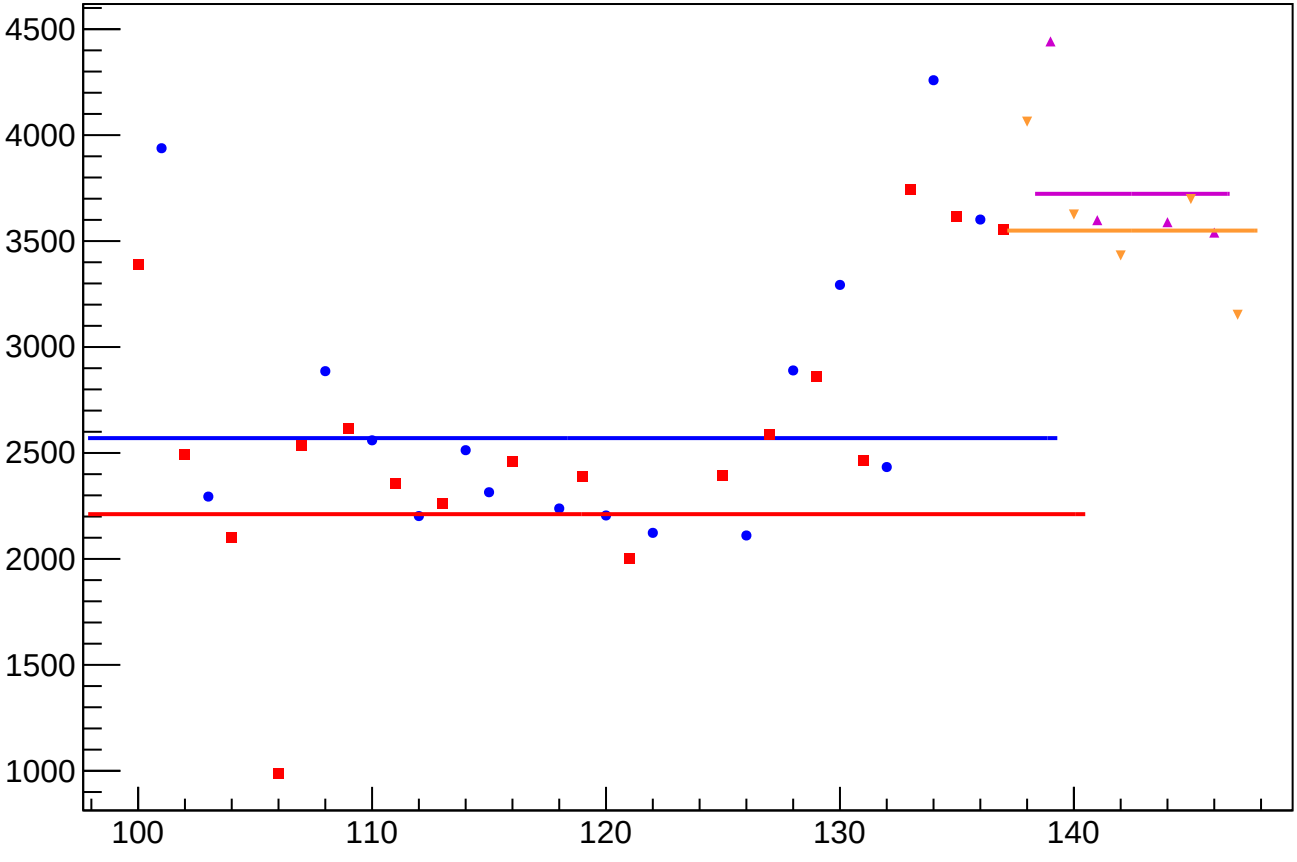
Left In: 381.938+/-1995.444 χ^2/NDF:0.8/3

+ sign -280.051+/-867.921 χ^2/NDF: 23.6/20

All: -399.917+/-585.683 χ^2/NDF: 44.6/42

- sign -500.138+/-793.618 χ^2/NDF: 21.0/21

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3549.507+/-1.315 χ^2/NDF:55081.5/4

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

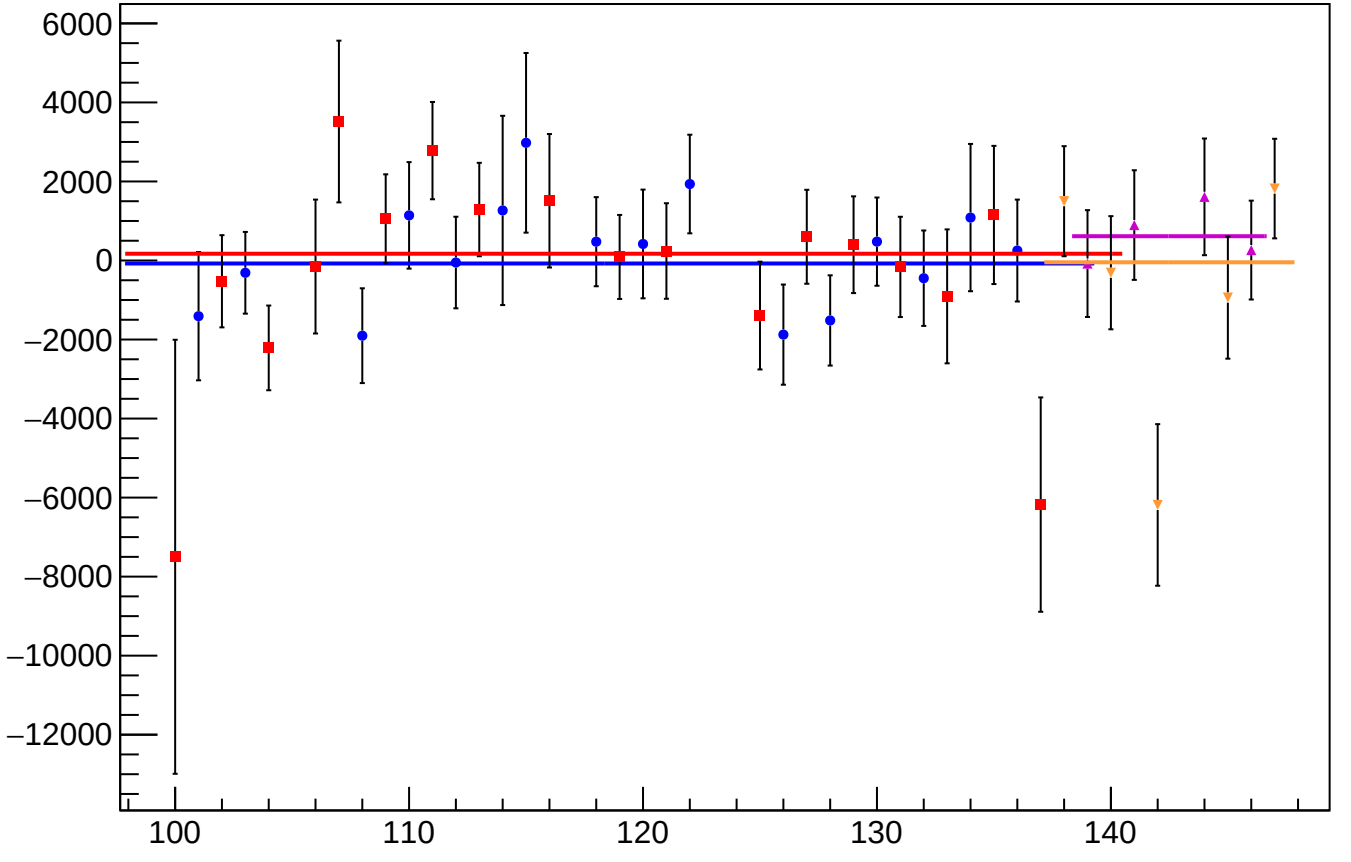
Left In: 3723.019+/-1.411 χ^2/NDF:53593.1/3

+ sign 2783.359+/-0.614 χ^2/NDF: 1151289.0/20

All: 2602.016+/-0.414 χ^2/NDF: 3595625.8/42

- sign 2450.393+/-0.561 χ^2/NDF: 2284023.5/21

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

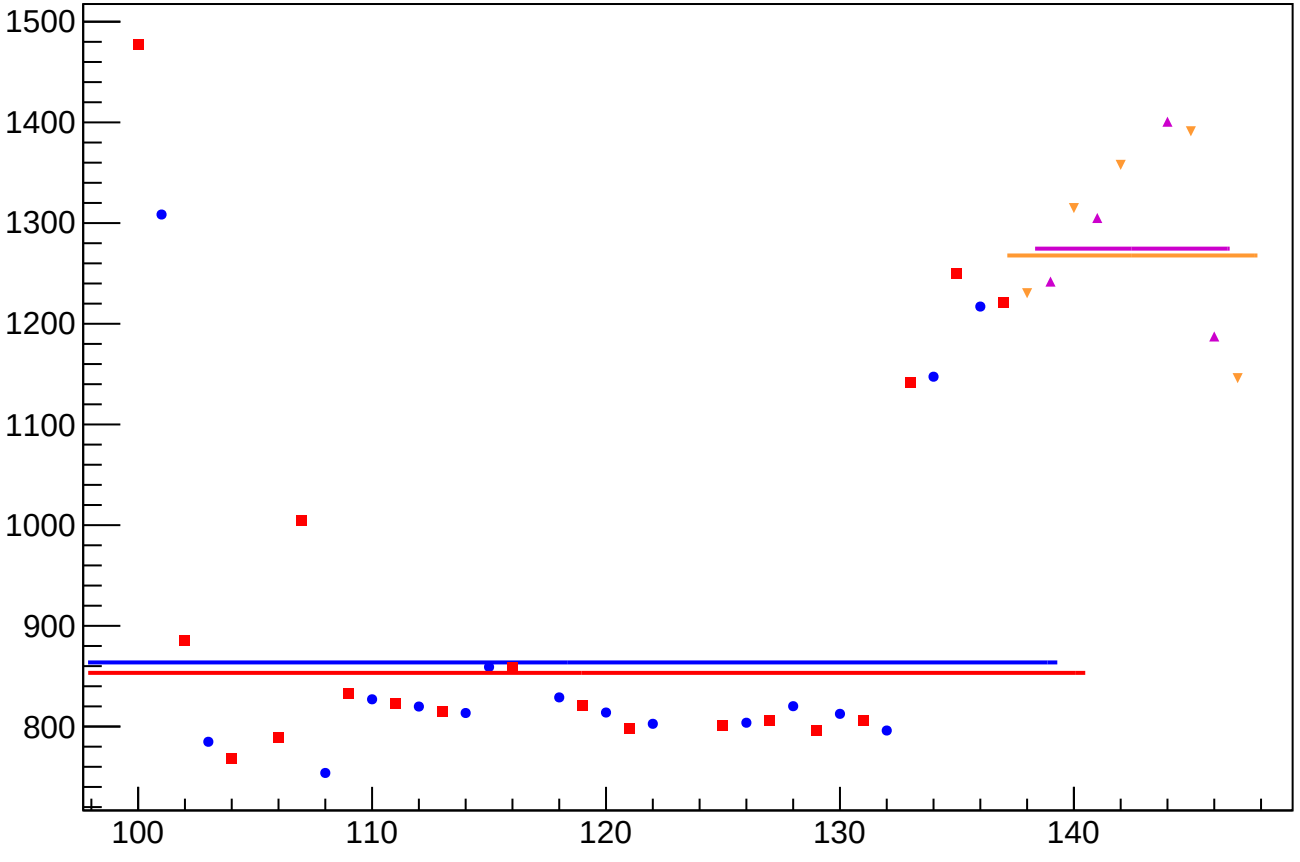
Left In: 614.595+/-679.645 χ^2/NDF:0.8/3

+ sign -69.964+/-292.512 χ^2/NDF: 26.2/20

All: 92.042+/-206.254 χ^2/NDF: 52.3/42

- sign 252.234+/-290.869 χ^2/NDF: 25.5/21

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

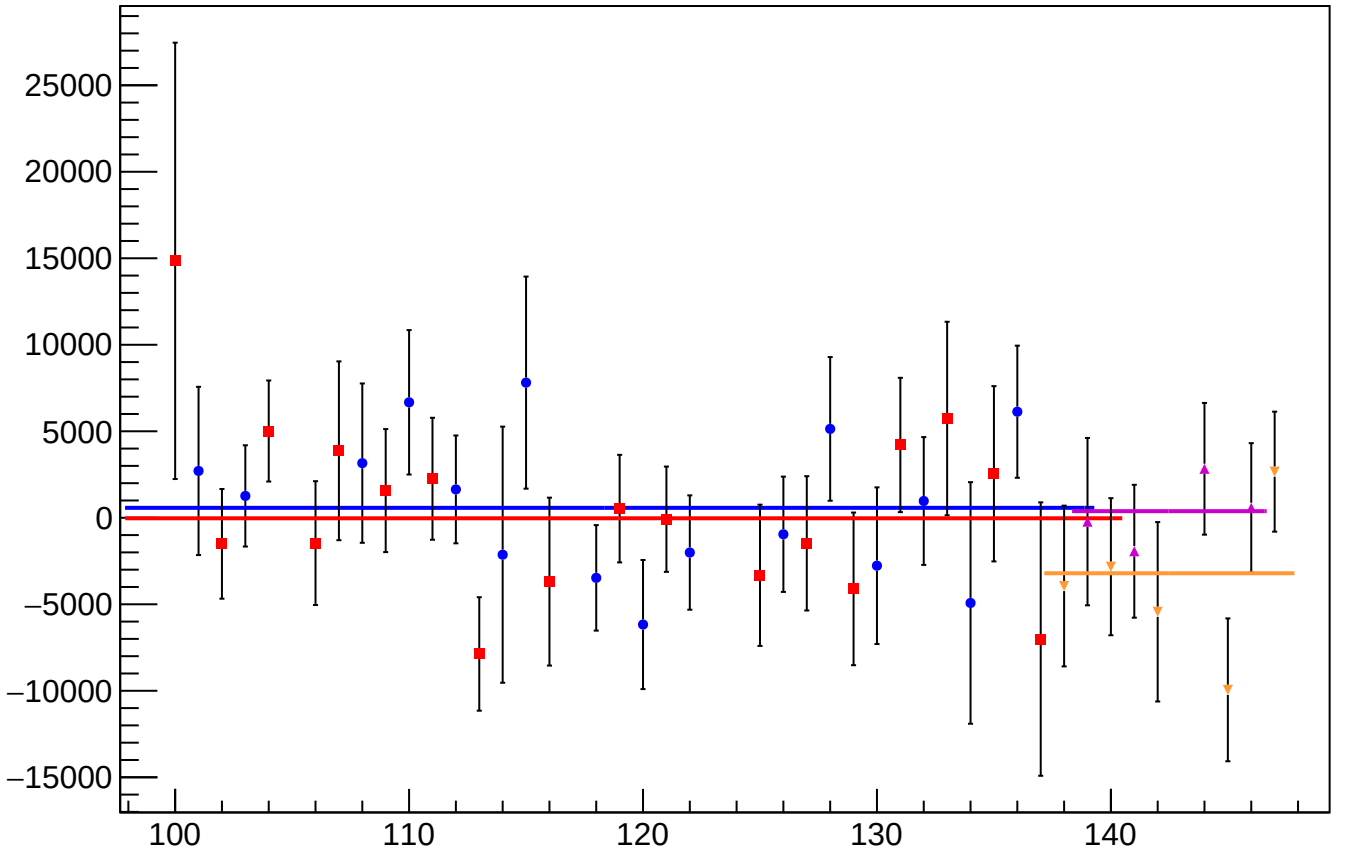
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

+ sign 942.883+/-0.207 χ^2/NDF: 1048130.1/20

All: 936.282+/-0.146 χ^2/NDF: 1980979.7/42

- sign 929.810+/-0.205 χ^2/NDF: 930832.6/21



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3207.018+/-1860.100 χ^2/NDF:5.7/4

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

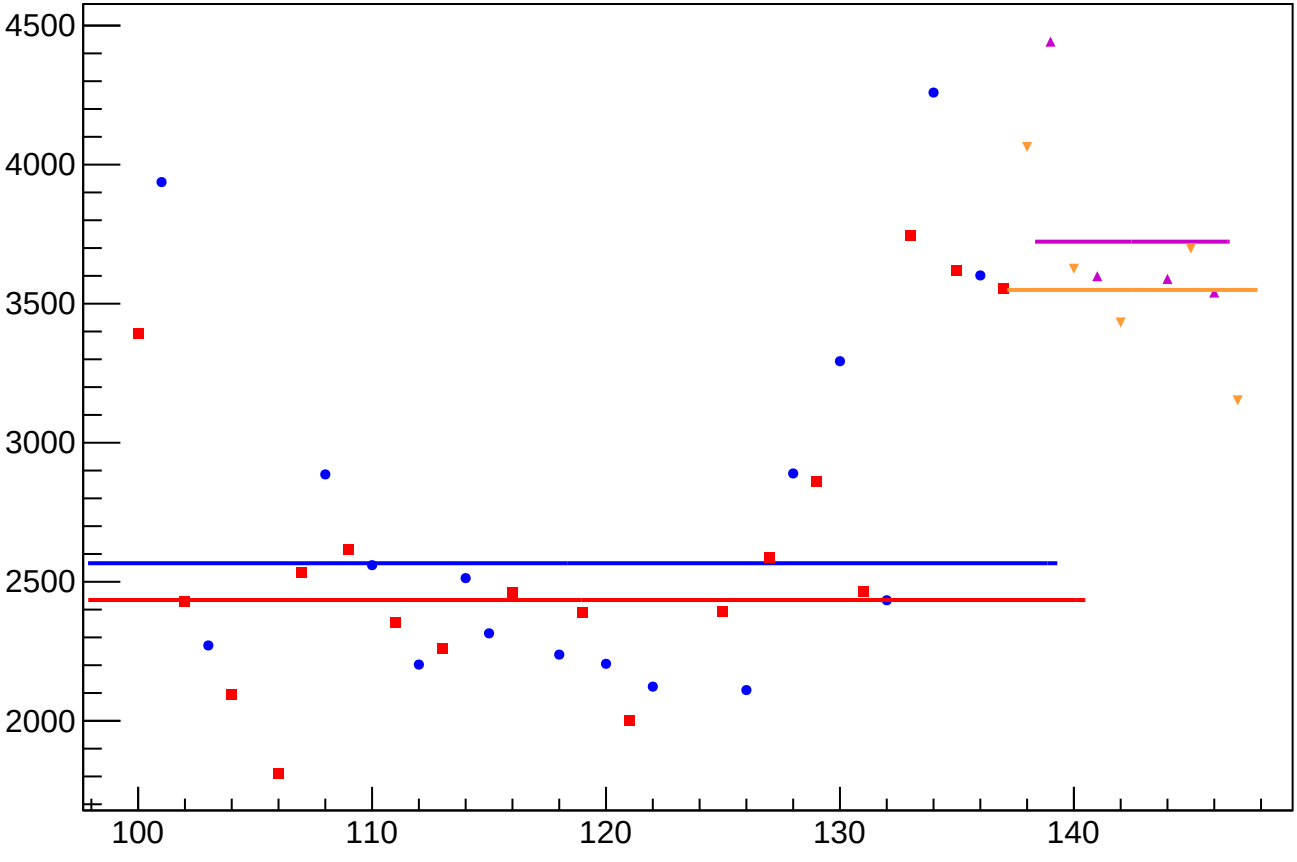
Left In: 381.957+/-1995.443 χ^2/NDF:0.8/3

+ sign -246.546+/-866.928 χ^2/NDF: 23.7/20

All: -96.367+/-602.173 χ^2/NDF: 41.8/42

- sign 43.642+/-837.061 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

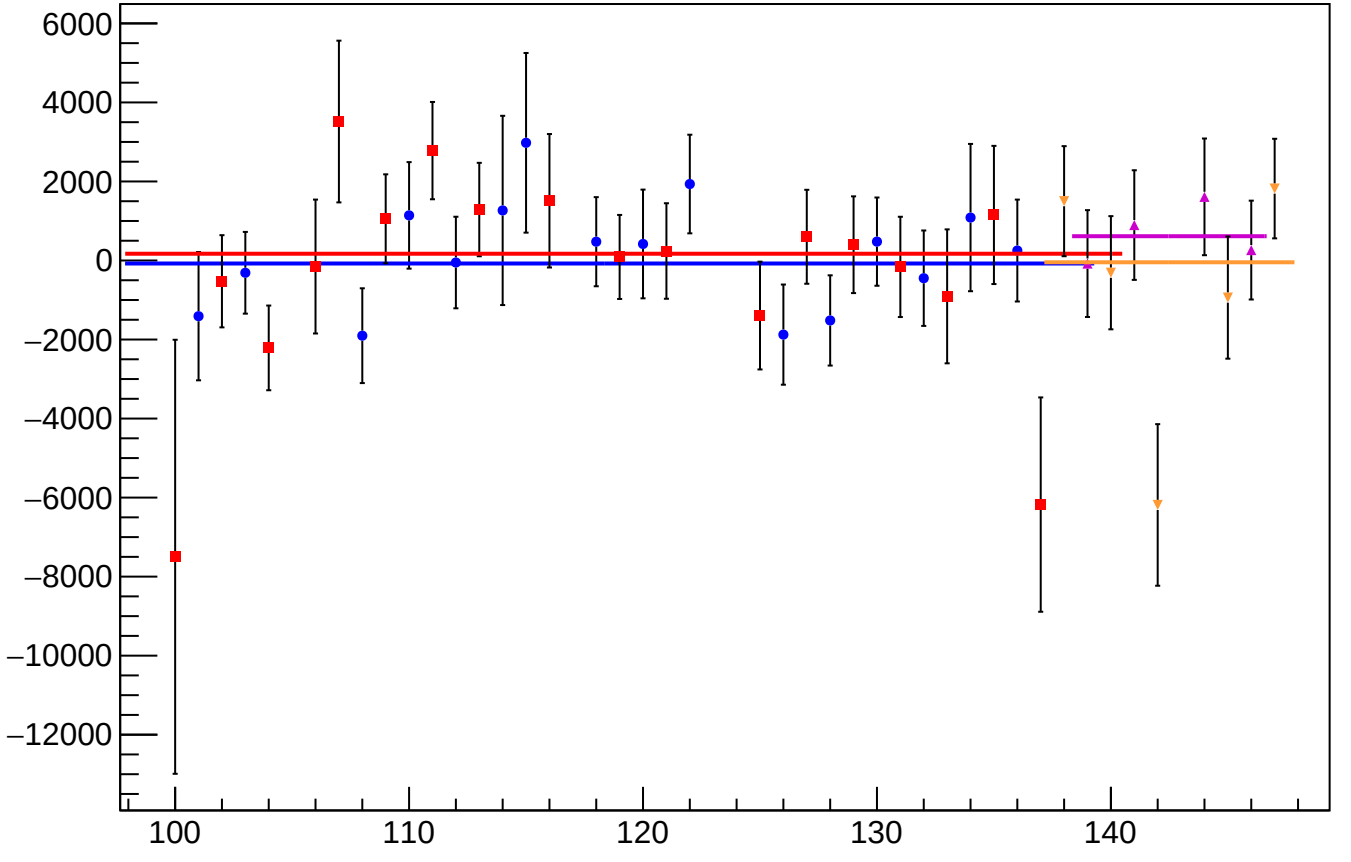
Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

+ sign 2780.208+/-0.613 χ^2/NDF: 1157980.2/20

All: 2718.609+/-0.426 χ^2/NDF: 2352424.1/42

- sign 2661.181+/-0.592 χ^2/NDF: 1174932.5/21

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

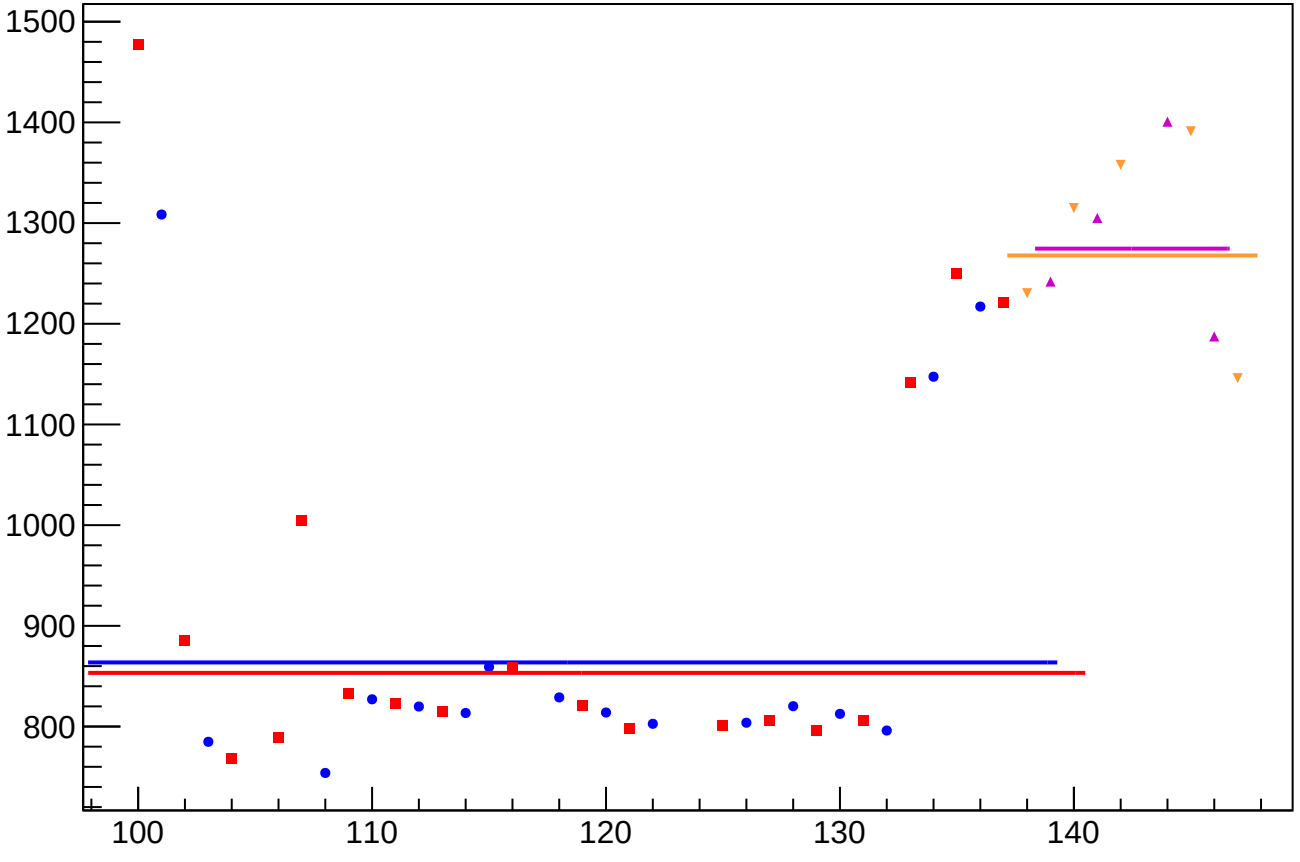
Left In: 614.595+/-679.645 χ^2/NDF:0.8/3

+ sign -69.964+/-292.512 χ^2/NDF: 26.2/20

All: 92.042+/-206.254 χ^2/NDF: 52.3/42

- sign 252.234+/-290.869 χ^2/NDF: 25.5/21

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

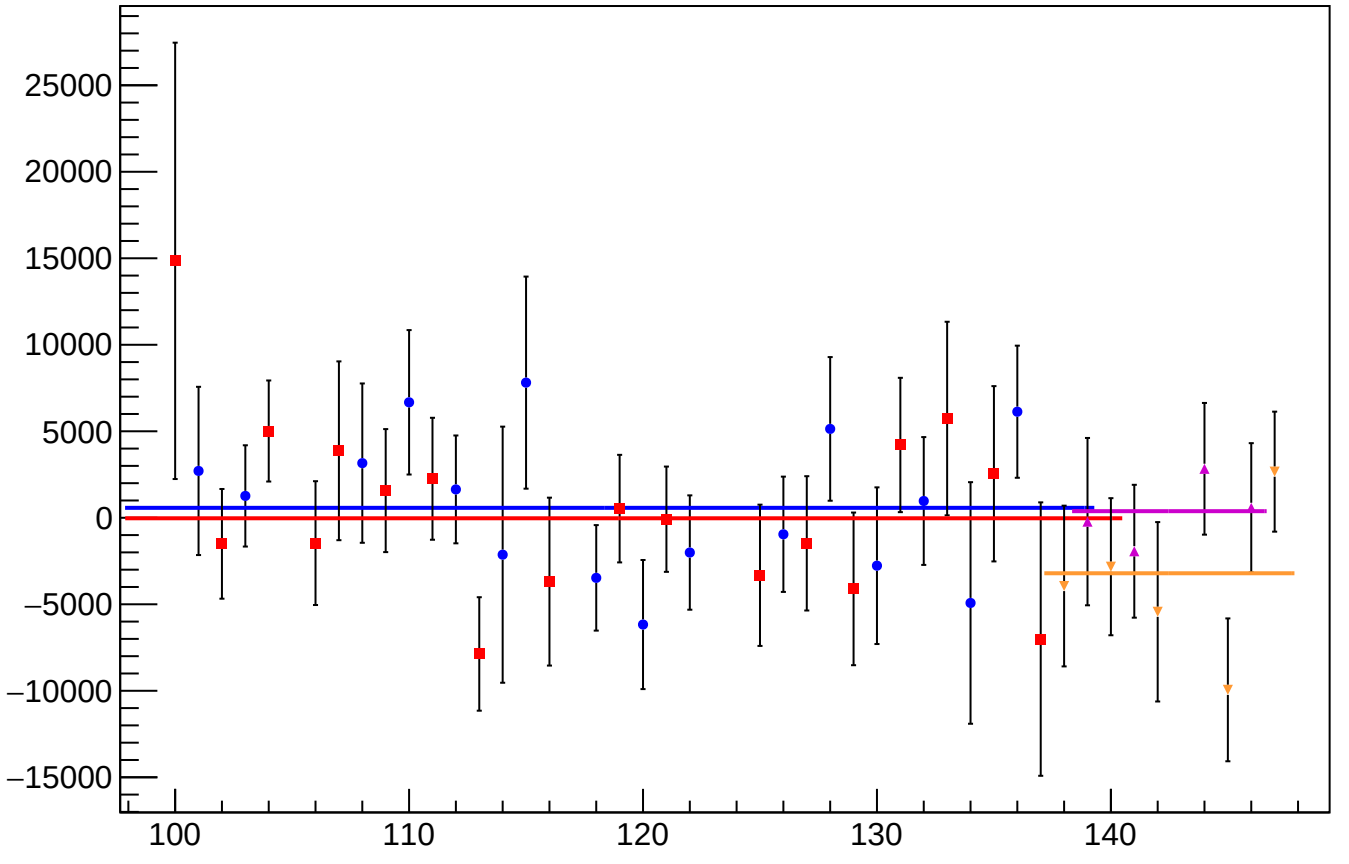
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

+ sign 942.883+/-0.207 χ^2/NDF: 1048130.1/20

All: 936.282+/-0.146 χ^2/NDF: 1980979.7/42

- sign 929.810+/-0.205 χ^2/NDF: 930832.6/21



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3207.018+/-1860.100 χ^2/NDF:5.7/4

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

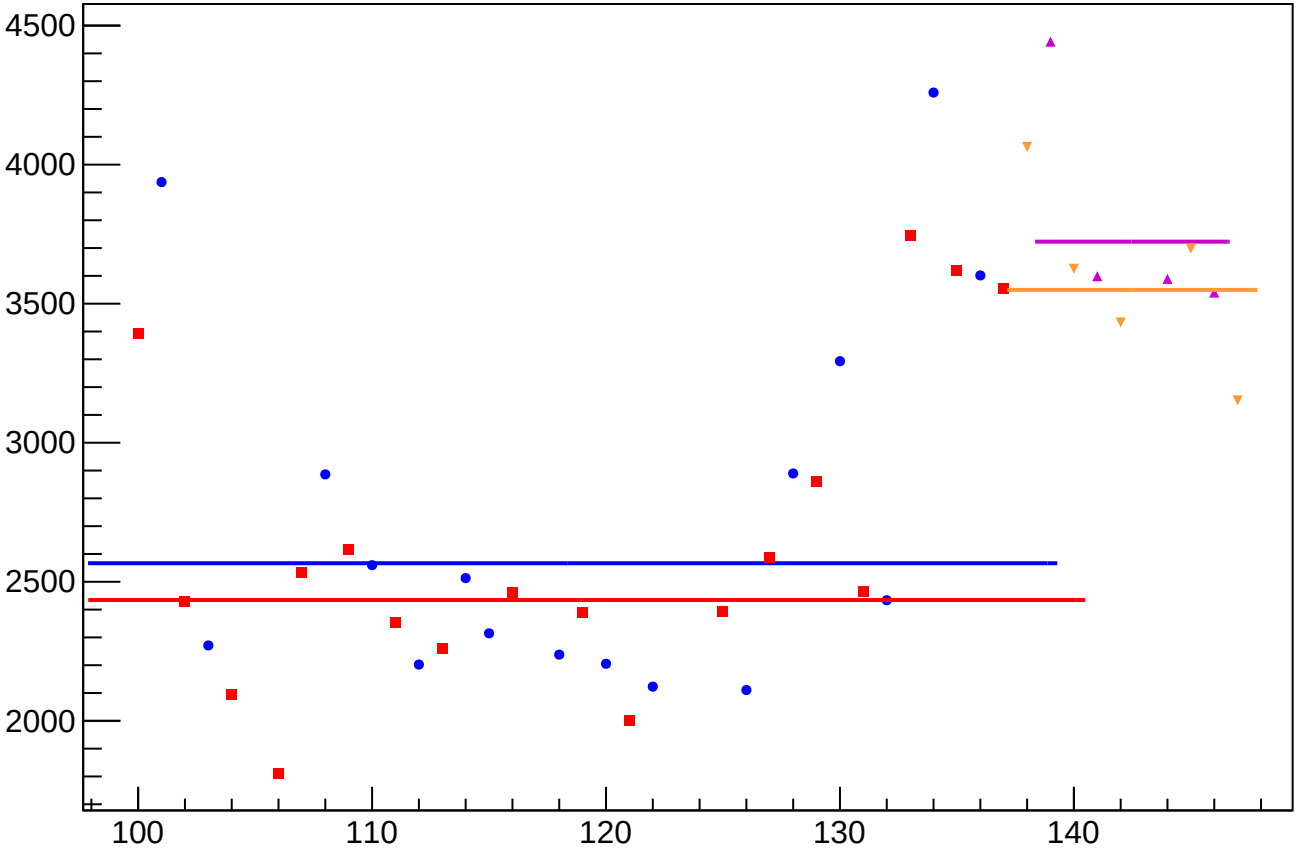
Left In: 381.957+/-1995.443 χ^2/NDF:0.8/3

+ sign -246.546+/-866.928 χ^2/NDF: 23.7/20

All: -96.367+/-602.173 χ^2/NDF: 41.8/42

- sign 43.642+/-837.061 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

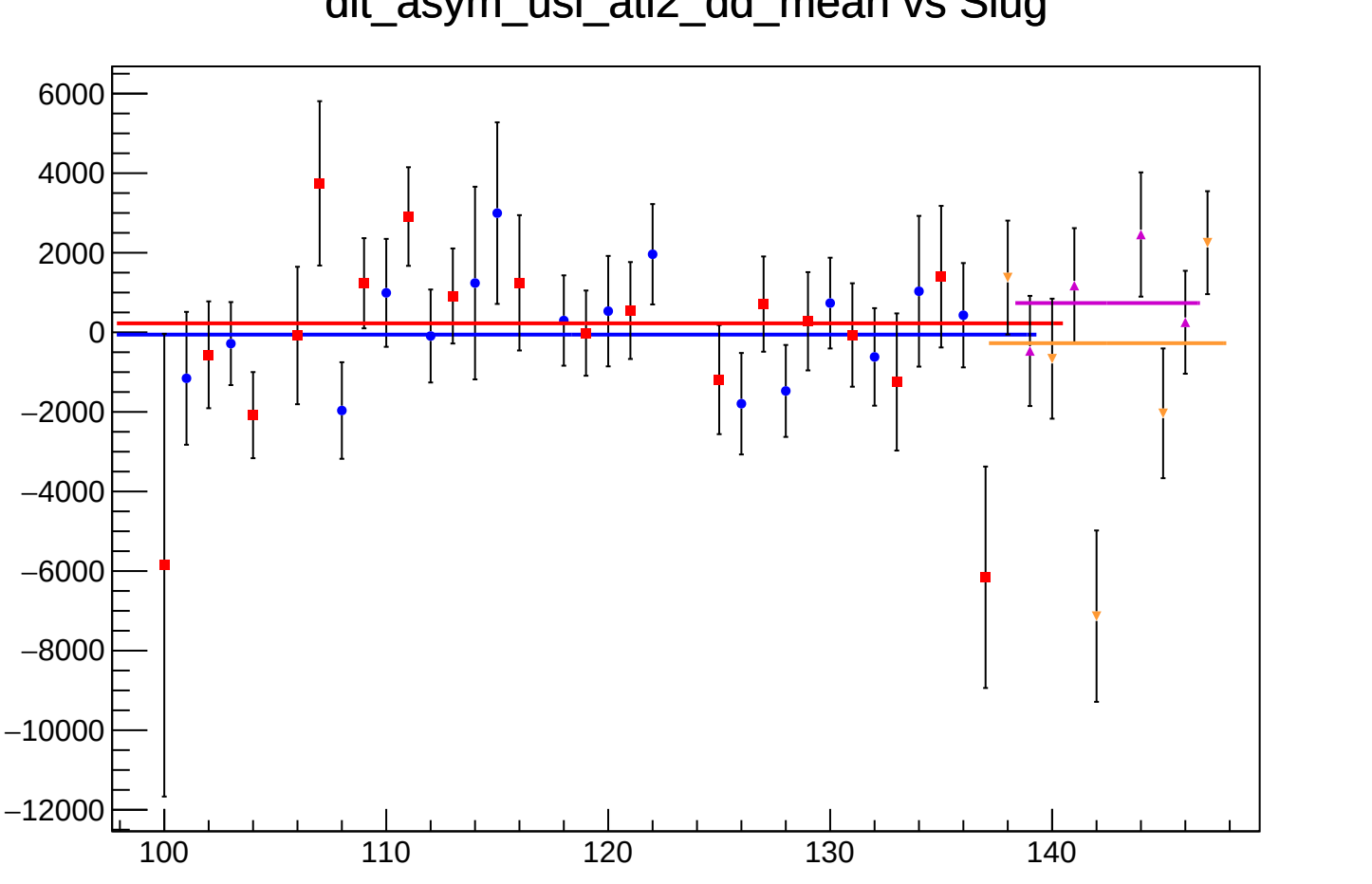
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

+ sign 2780.208+/-0.613 χ^2/NDF: 1157980.2/20

All: 2718.609+/-0.426 χ^2/NDF: 2352424.1/42

- sign 2661.181+/-0.592 χ^2/NDF: 1174932.5/21



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -272.772+/-687.305 χ^2/NDF:16.5/4

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

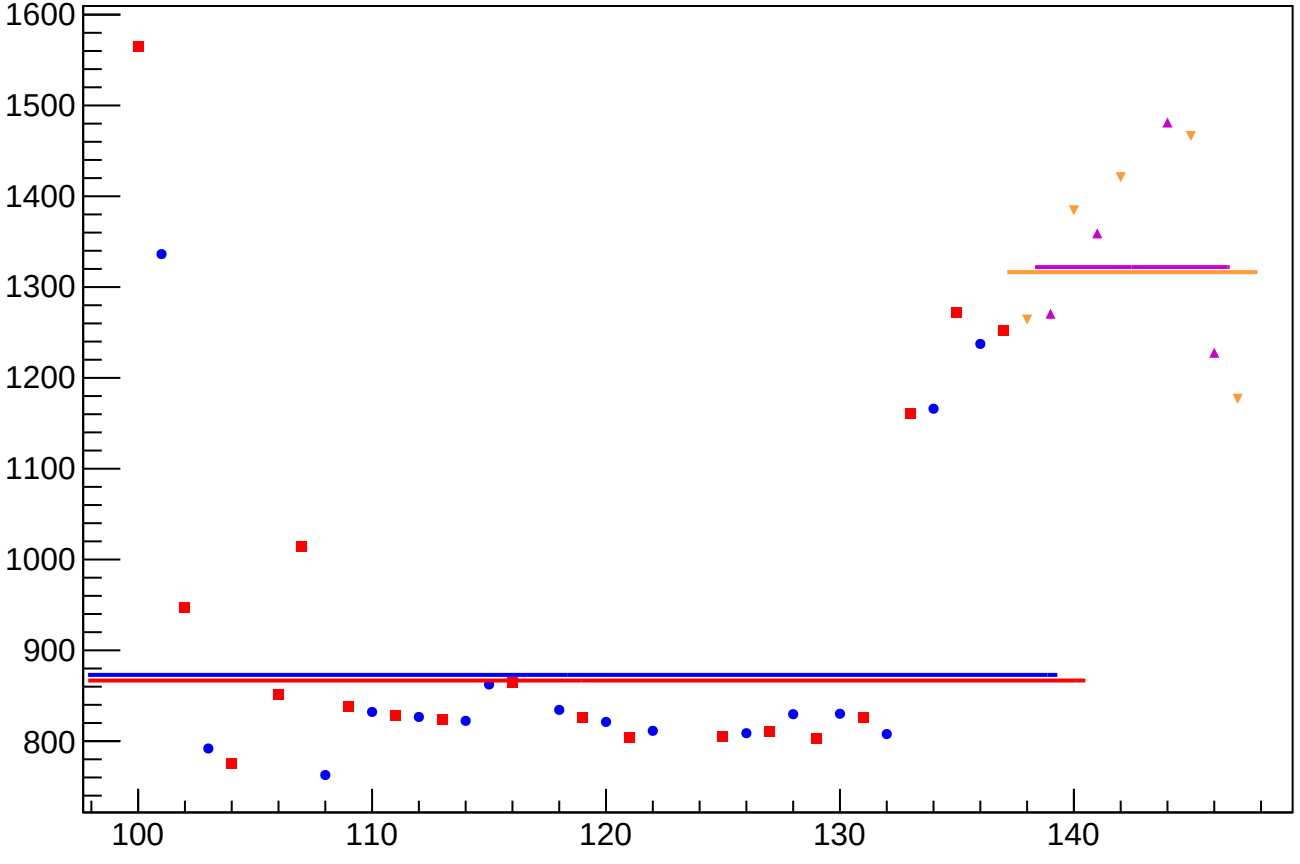
Left In: 735.889+/-705.577 χ^2/NDF:2.2/3

+ sign -97.610+/-297.551 χ^2/NDF: 29.6/20

All: 109.592+/-210.377 χ^2/NDF: 56.1/42

- sign 316.700+/-297.484 χ^2/NDF: 25.6/21

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1316.445+/-0.486 χ^2/NDF:51584.6/4

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

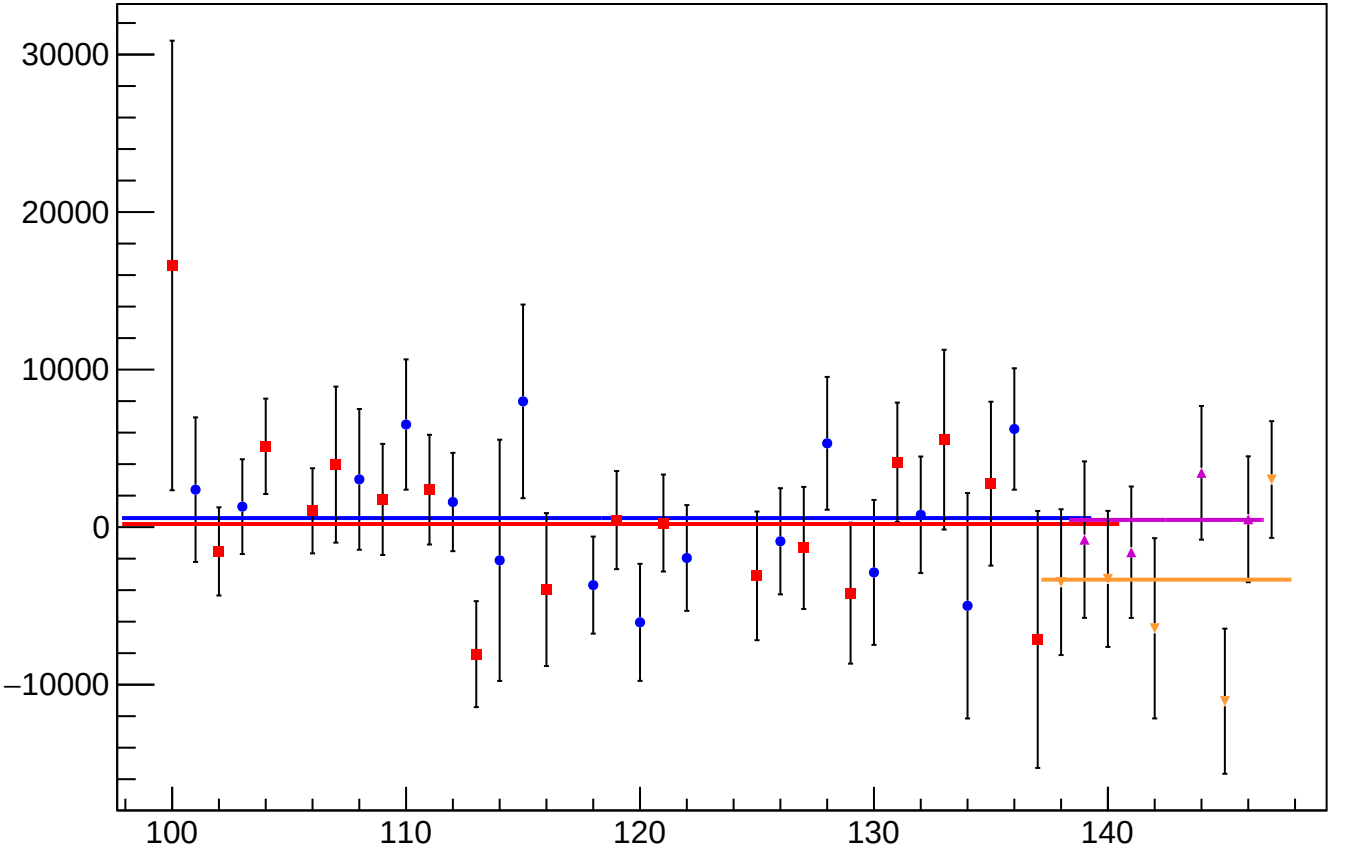
Left In: 1322.032+/-0.499 χ^2/NDF:35499.8/3

+ sign 956.089+/-0.210 χ^2/NDF: 1145281.1/20

All: 951.824+/-0.149 χ^2/NDF: 2156860.2/42

- sign 947.568+/-0.210 χ^2/NDF: 1010758.2/21

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3333.701+/-1996.825 χ^2/NDF:6.0/4

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

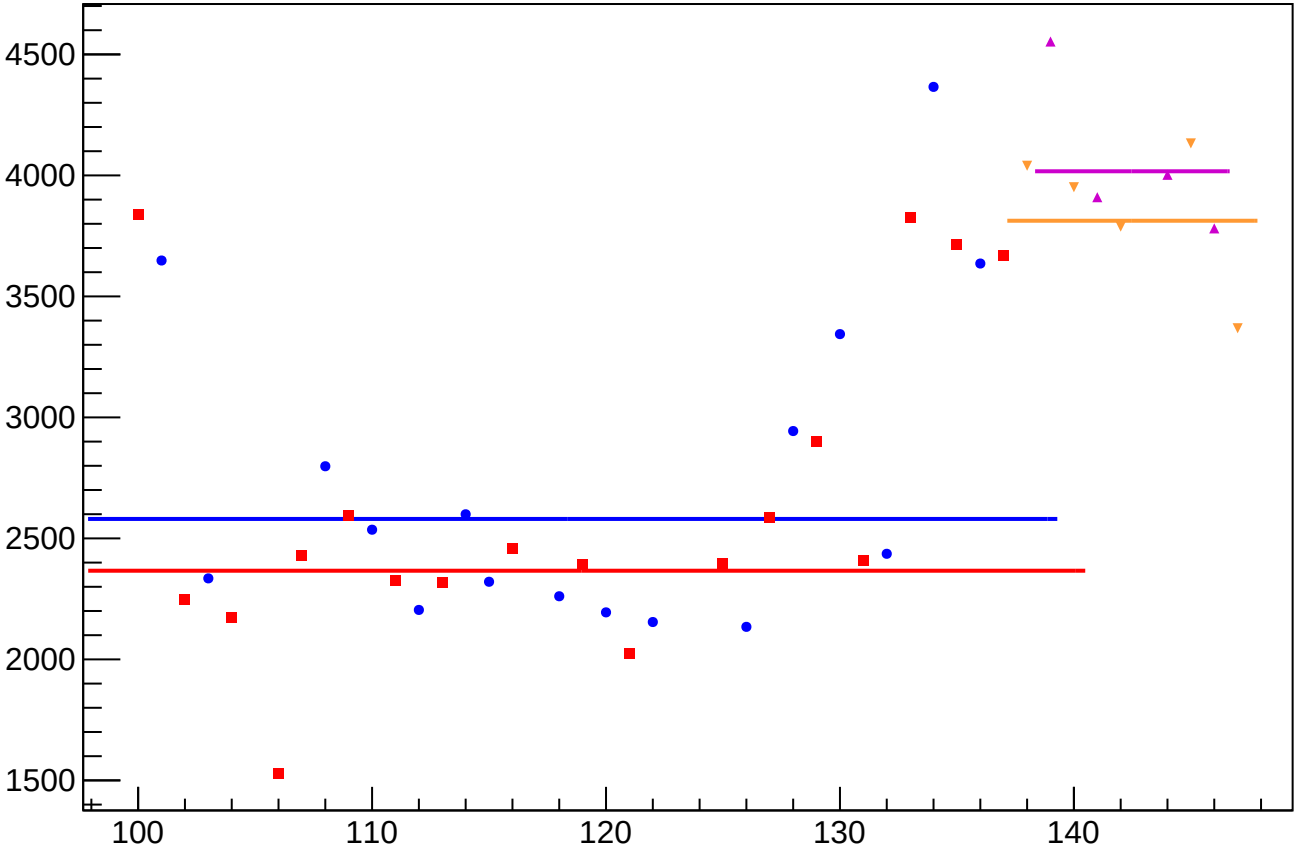
Left In: 458.954+/-2150.818 χ^2/NDF:0.8/3

+ sign -189.603+/-883.291 χ^2/NDF: 23.8/20

All: 37.764+/-603.161 χ^2/NDF: 41.9/42

- sign 236.412+/-825.622 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3812.659+/-1.412 χ^2/NDF:45290.5/4

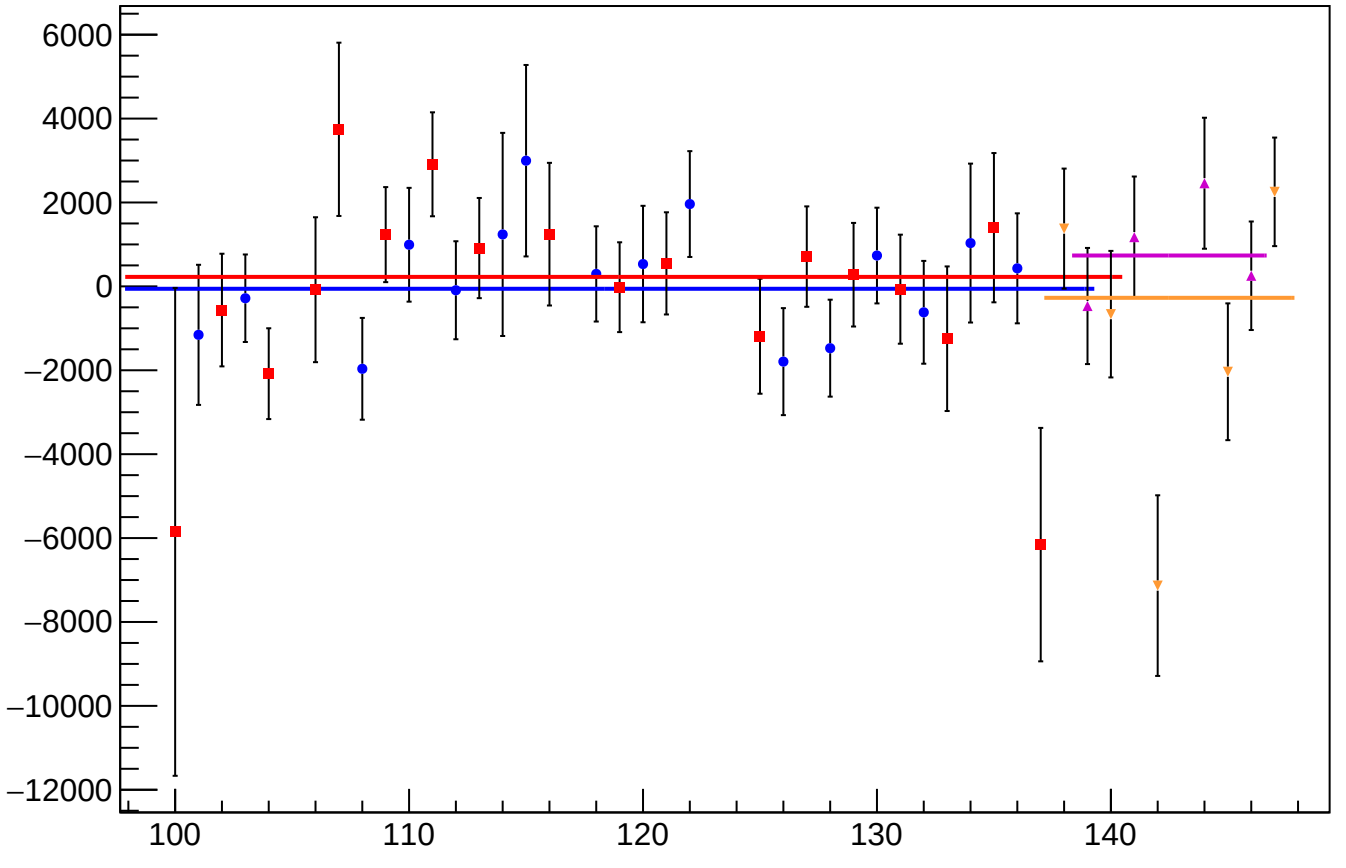
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4017.068+/-1.521 χ^2/NDF:31634.7/3

+ sign 2821.499+/-0.625 χ^2/NDF: 1275084.2/20

All: 2708.428+/-0.426 χ^2/NDF: 2984219.2/42

- sign 2609.639+/-0.584 χ^2/NDF: 1647727.2/21



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -272.781+/-687.306 χ^2/NDF:16.5/4

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

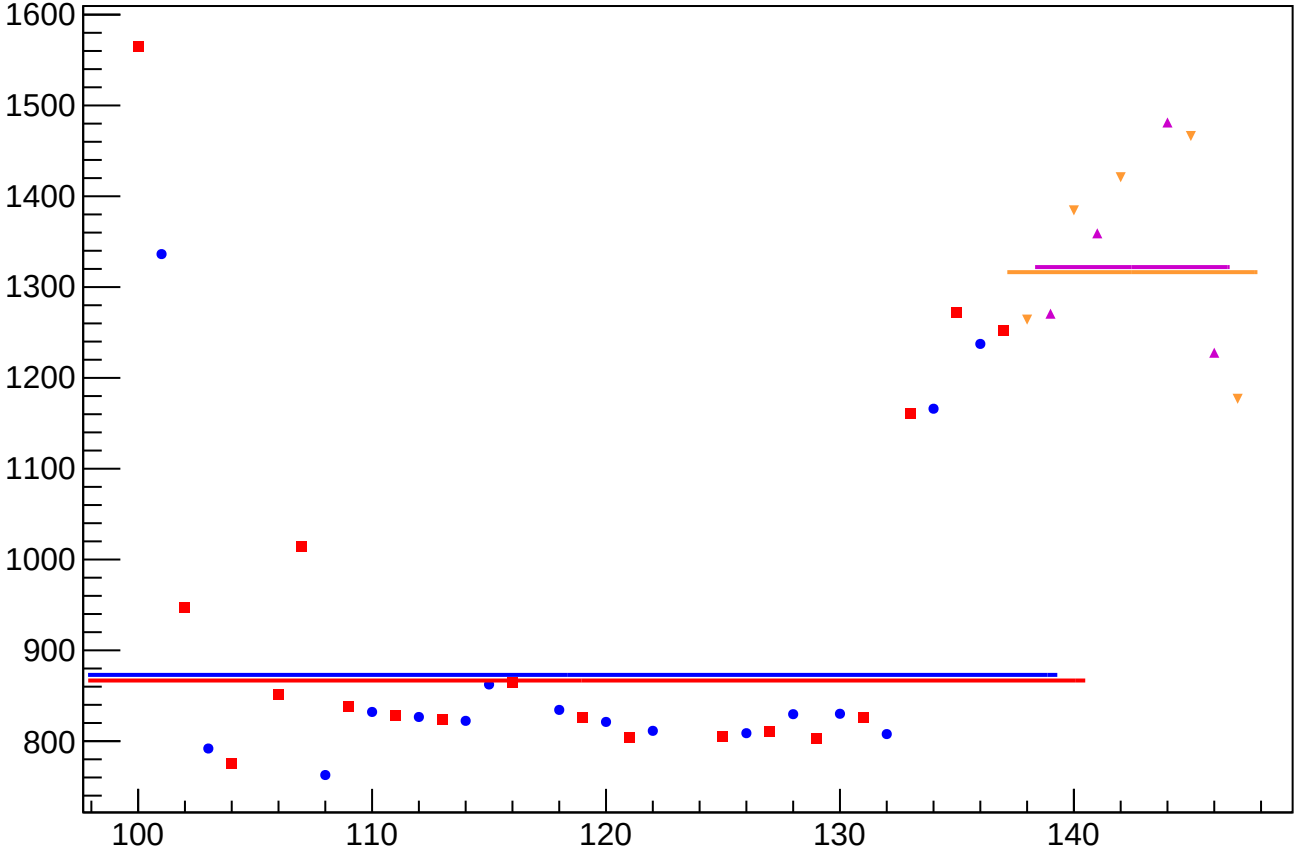
Left In: 735.891+/-705.578 χ^2/NDF:2.2/3

\+ sign -97.614+/-297.551 χ^2/NDF: 29.6/20

All: 109.592+/-210.377 χ^2/NDF: 56.1/42

\- sign 316.703+/-297.484 χ^2/NDF: 25.6/21

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1316.446+/-0.486 χ^2/NDF:51585.8/4

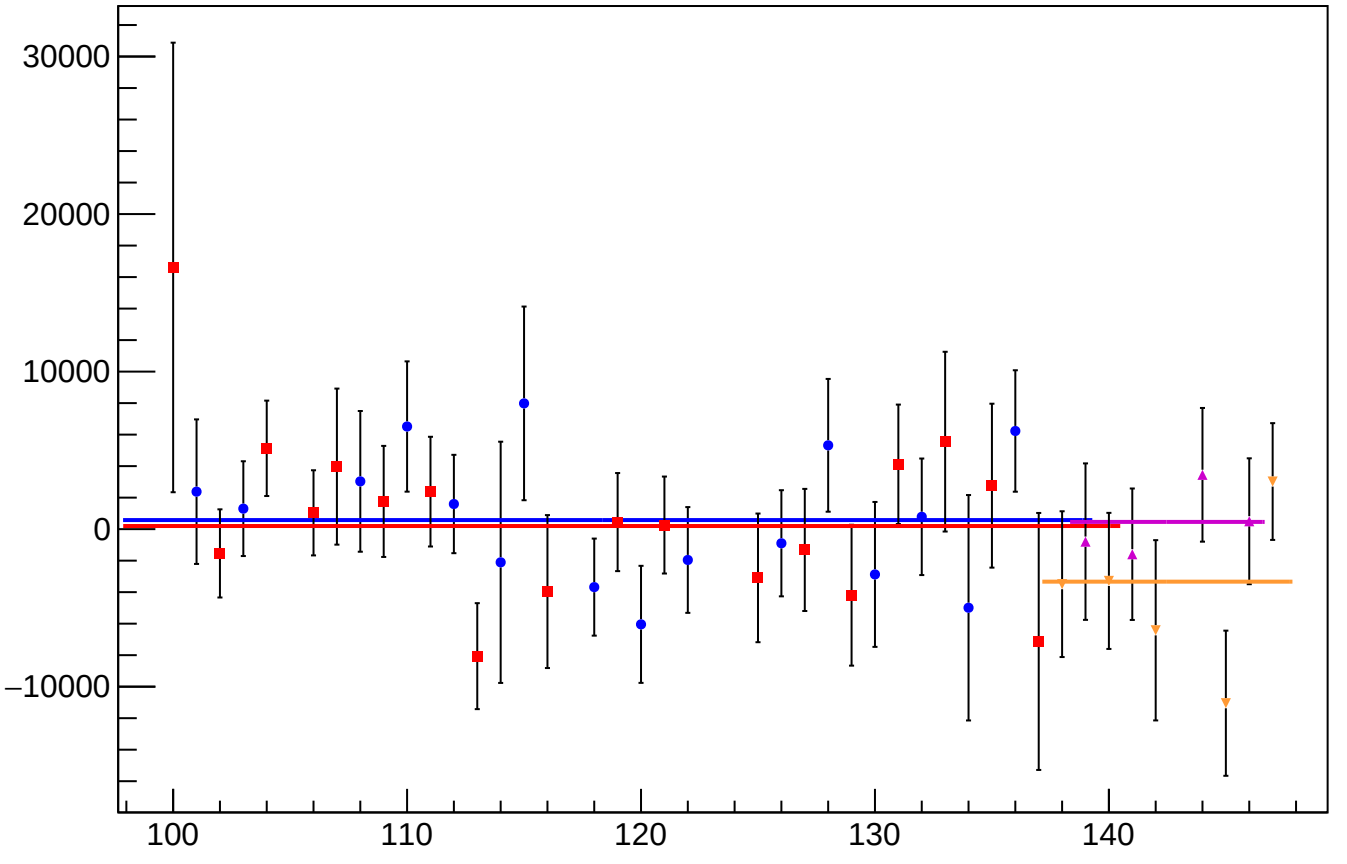
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1322.033+/-0.499 χ^2/NDF:35500.1/3

+ sign 956.089+/-0.210 χ^2/NDF: 1145283.9/20

All: 951.824+/-0.149 χ^2/NDF: 2156866.3/42

- sign 947.568+/-0.210 χ^2/NDF: 1010761.5/21



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3333.707+/-1996.829 χ^2/NDF:6.0/4

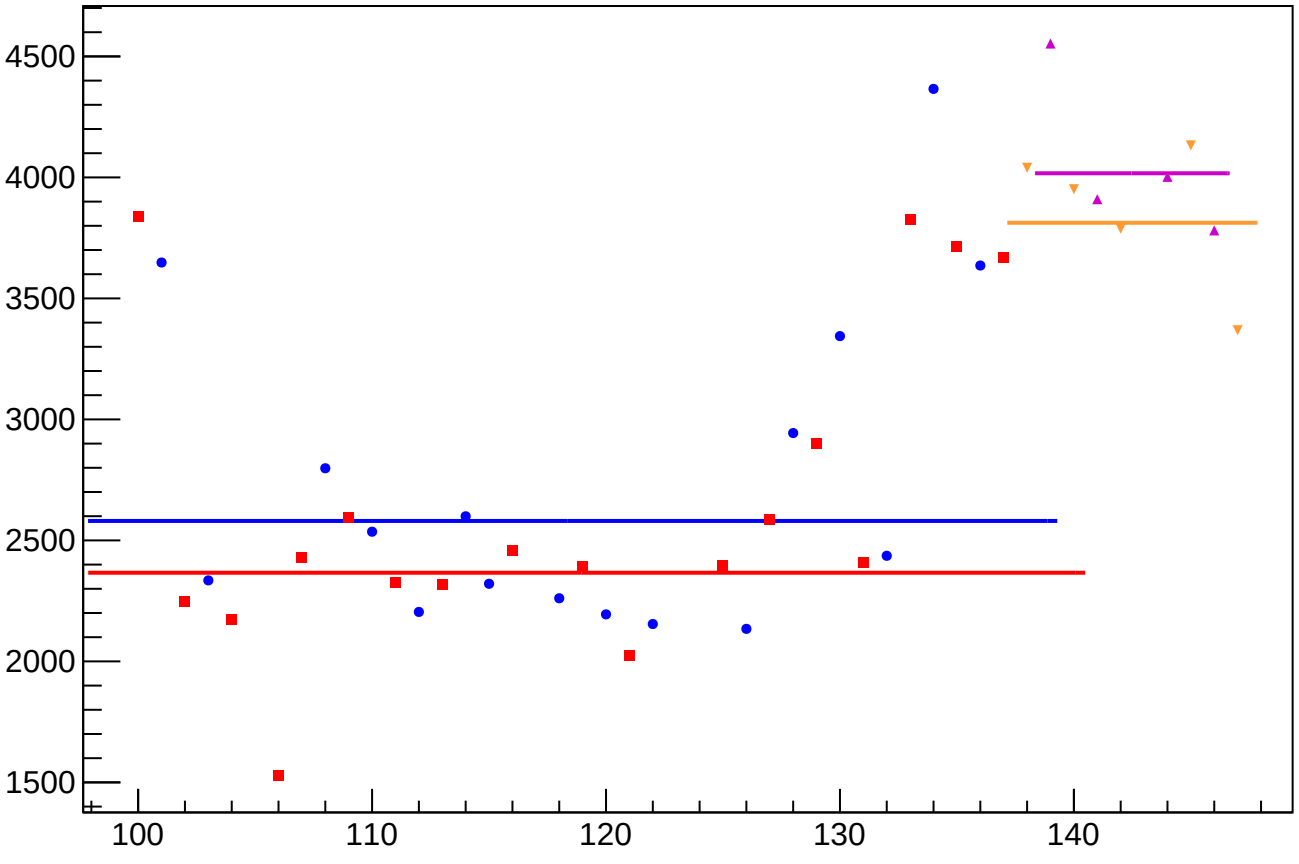
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 458.955+/-2150.823 χ^2/NDF:0.8/3

+ sign -189.602+/-883.289 χ^2/NDF: 23.8/20

All: 37.766+/-603.159 χ^2/NDF: 41.9/42

- sign 236.413+/-825.621 χ^2/NDF: 18.0/21



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3812.666+/-1.412 χ^2/NDF:45292.1/4

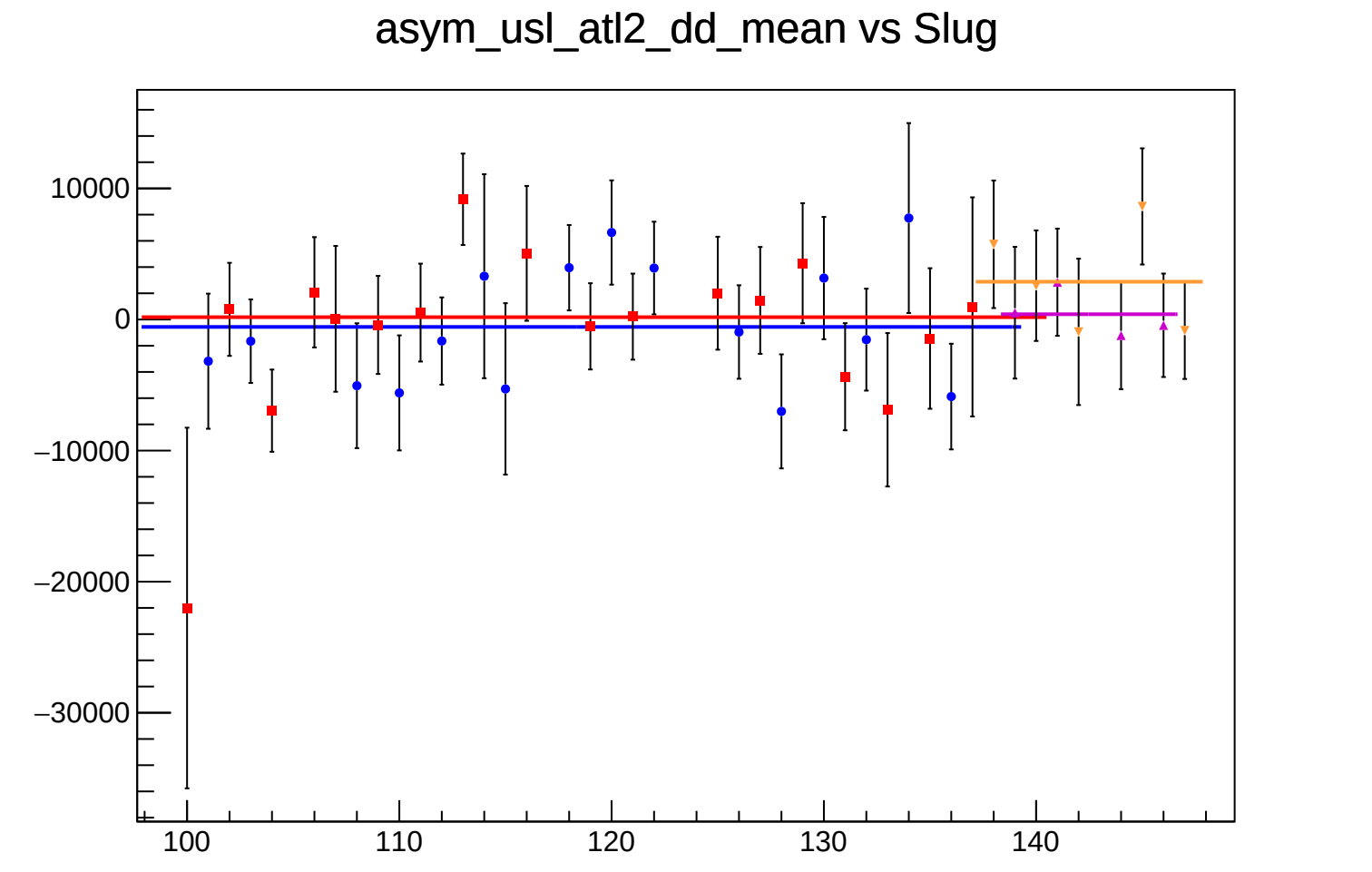
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4017.076+/-1.521 χ^2/NDF:31635.7/3

+ sign 2821.492+/-0.625 χ^2/NDF: 1275107.4/20

All: 2708.421+/-0.426 χ^2/NDF: 2984262.3/42

- sign 2609.633+/-0.584 χ^2/NDF: 1647747.3/21



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2882.386+/-1981.000 χ^2/NDF:3.5/4

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

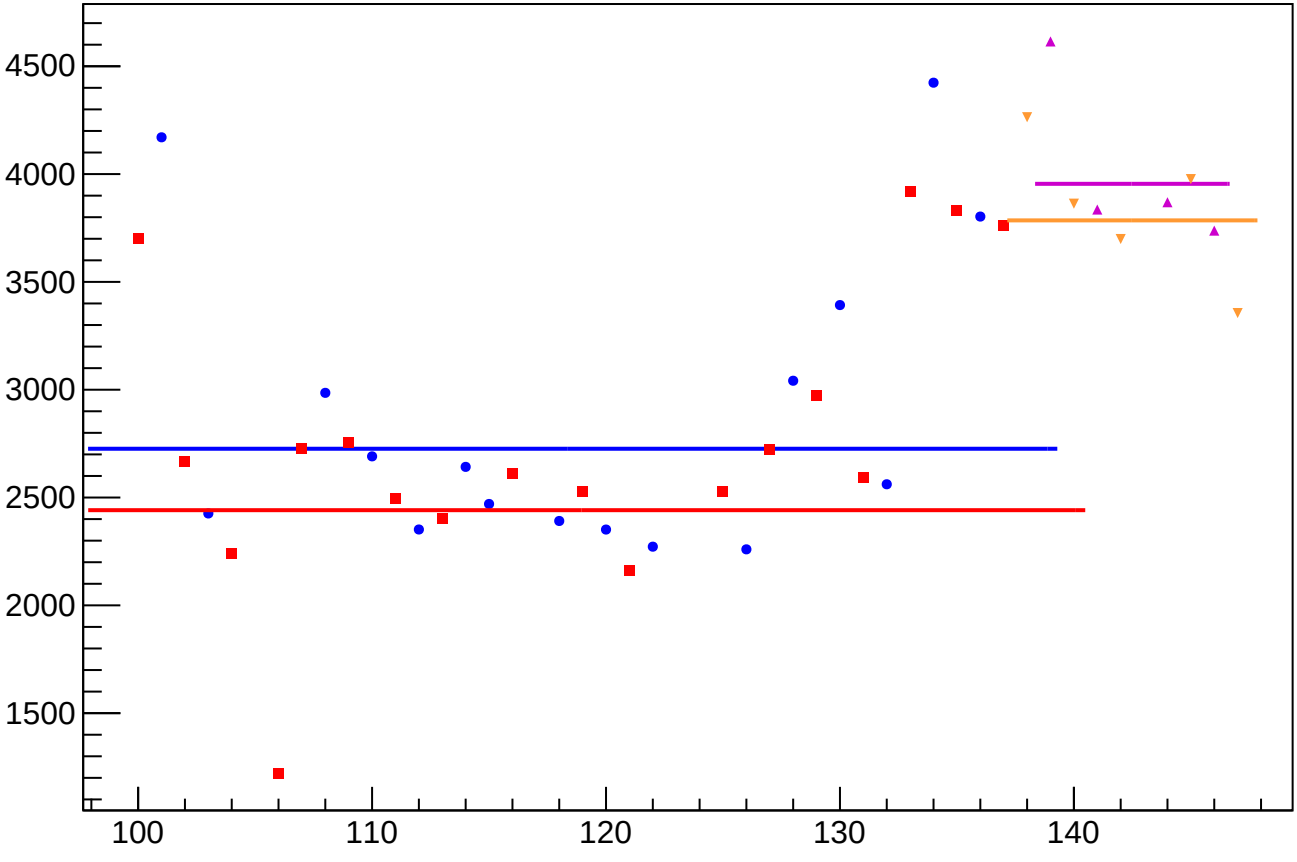
Left In: 402.545+/-2116.431 χ^2/NDF:0.6/3

+ sign 179.343+/-921.036 χ^2/NDF: 22.1/20

All: 199.566+/-642.070 χ^2/NDF: 42.2/42

- sign 218.686+/-895.547 χ^2/NDF: 20.1/21

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3785.270+/-1.401 χ^2/NDF:51326.4/4

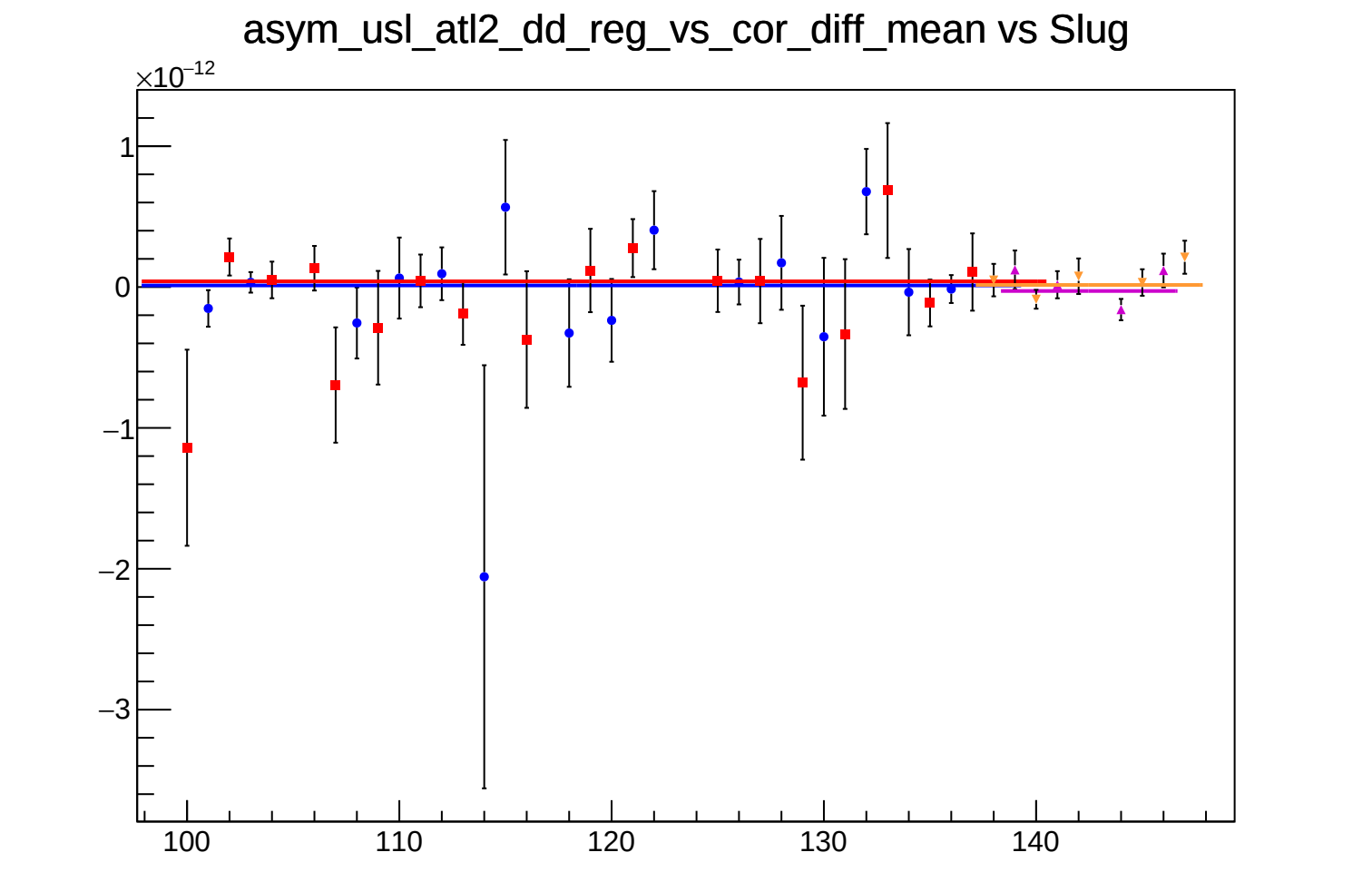
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3954.810+/-1.497 χ^2/NDF:43166.1/3

+ sign 2955.157+/-0.651 χ^2/NDF: 1122438.9/20

All: 2814.876+/-0.445 χ^2/NDF: 2996981.3/42

- sign 2692.139+/-0.609 χ^2/NDF: 1787553.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/4

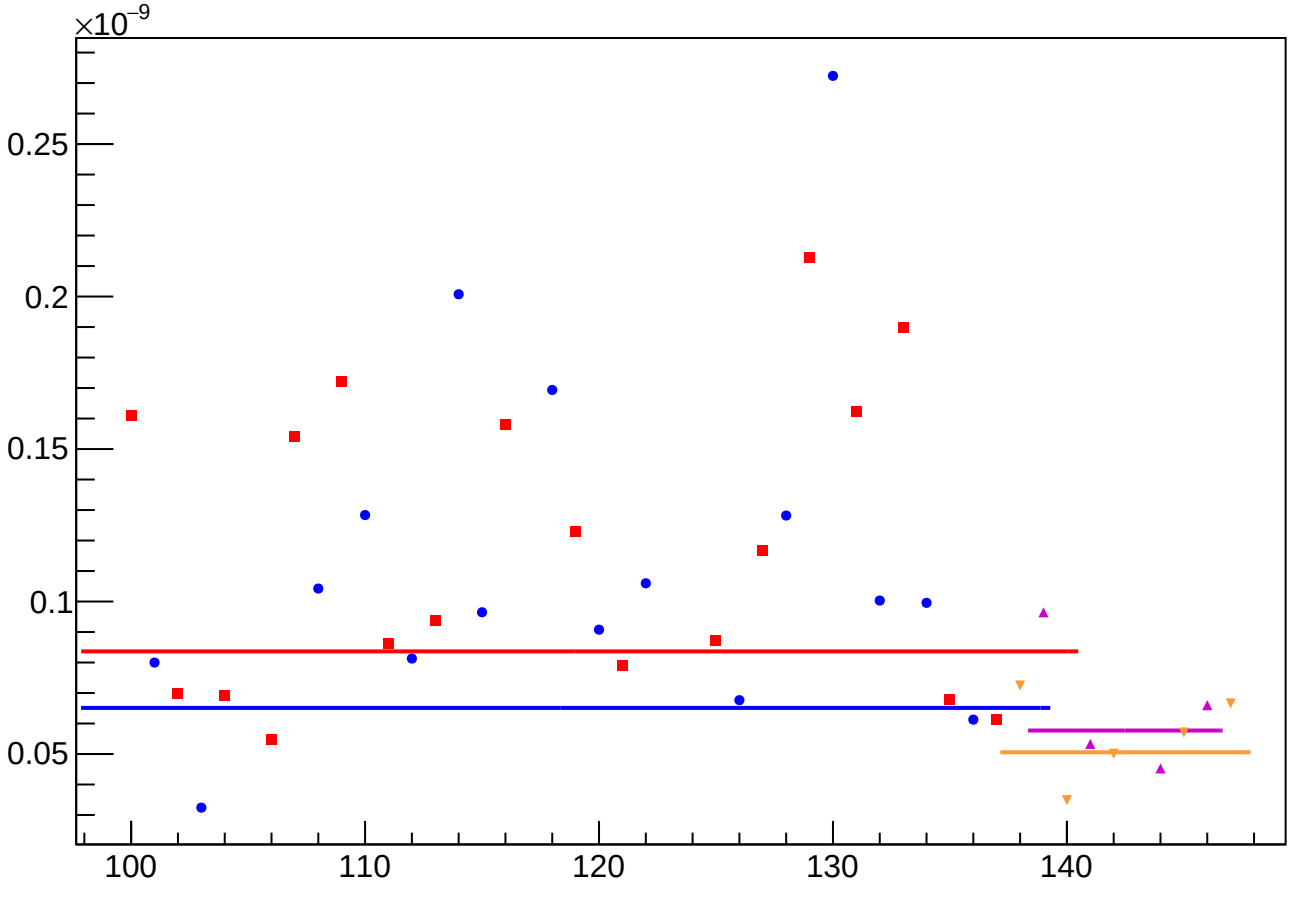
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/42

- sign 0.000+/-0.000 χ^2/NDF: 23.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:228925.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

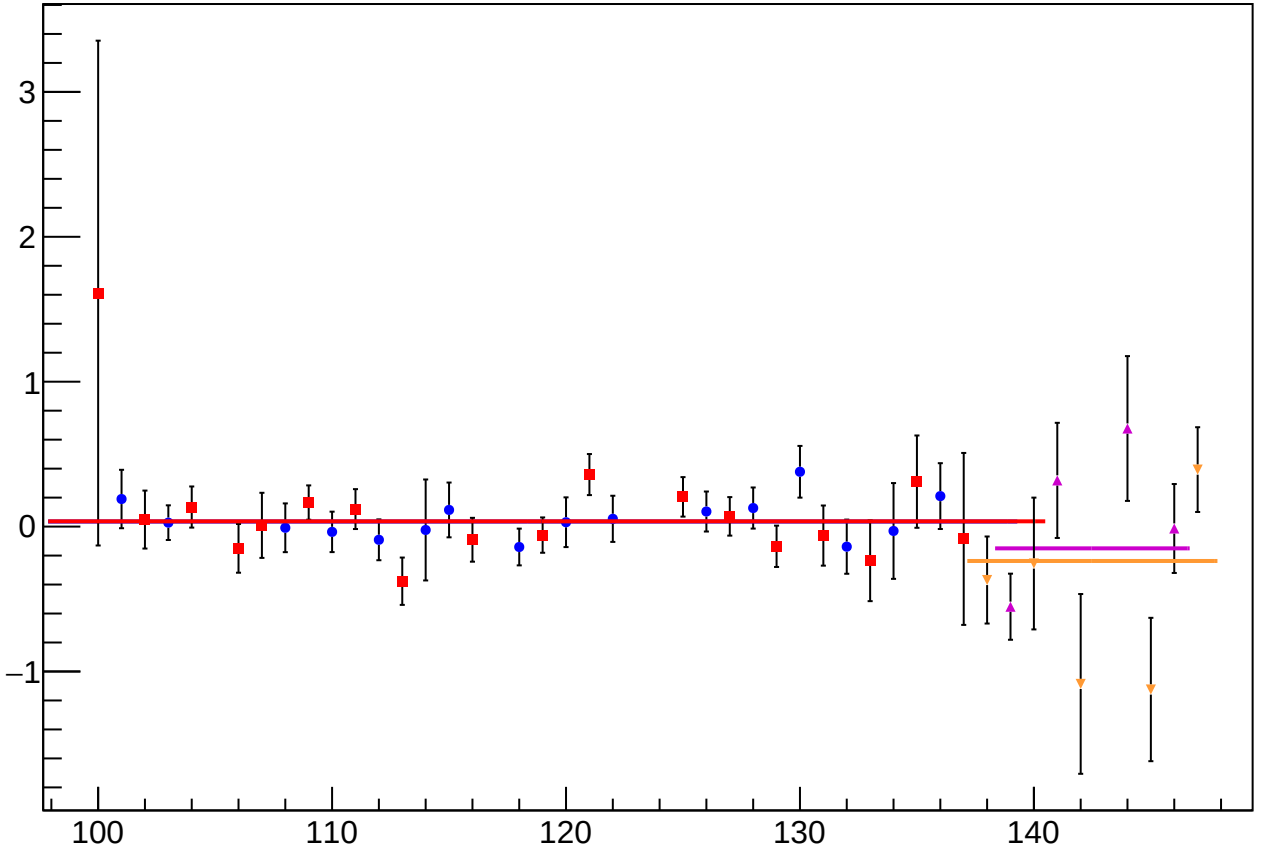
Left In: 0.000+/-0.000 χ^2/NDF:226635.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 1563865.6/20

All: 0.000+/-0.000 χ^2/NDF: 2865521.0/42

- sign 0.000+/-0.000 χ^2/NDF: 1171468.5/21

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: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

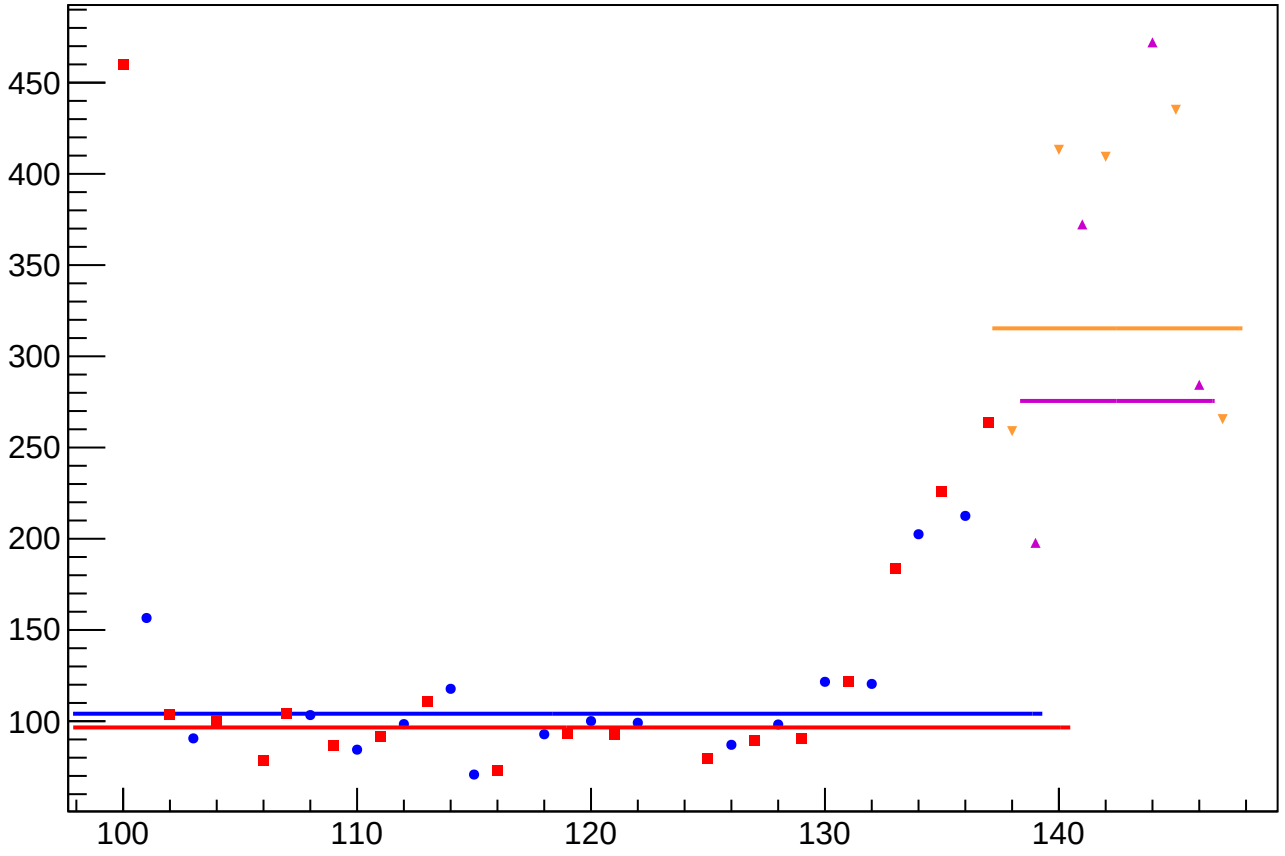
Left In: -0.150+/-0.158 χ^2/NDF:7.5/3

+ sign 0.020+/-0.040 χ^2/NDF: 22.1/20

All: 0.023+/-0.027 χ^2/NDF: 52.9/42

- sign 0.026+/-0.038 χ^2/NDF: 30.8/21

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: 315.326+/-0.121 χ^2/NDF:384234.9/4

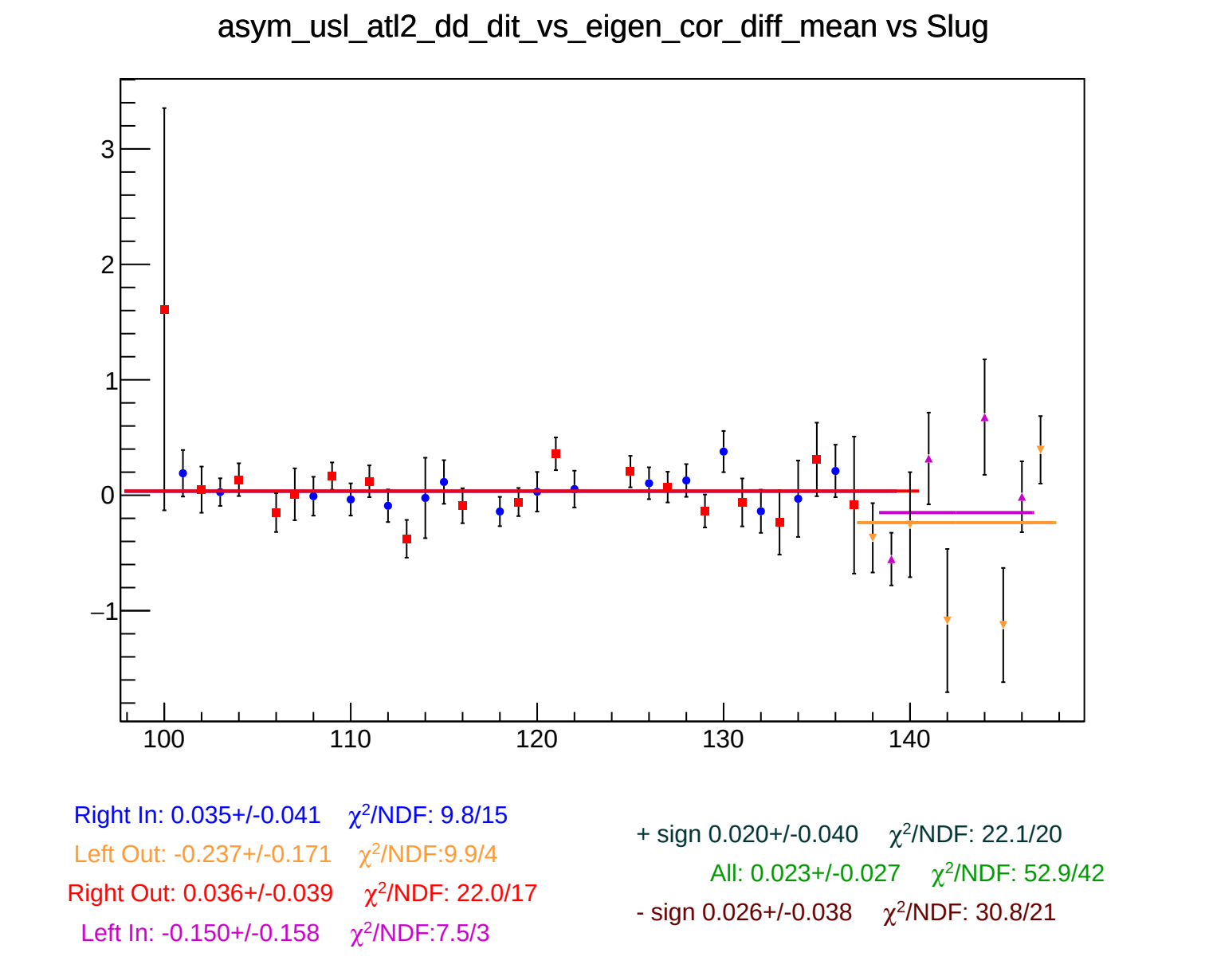
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

+ sign 115.629+/-0.028 χ^2/NDF: 4267226.2/20

All: 110.986+/-0.019 χ^2/NDF: 8362610.8/42

- sign 106.826+/-0.027 χ^2/NDF: 4044035.4/21


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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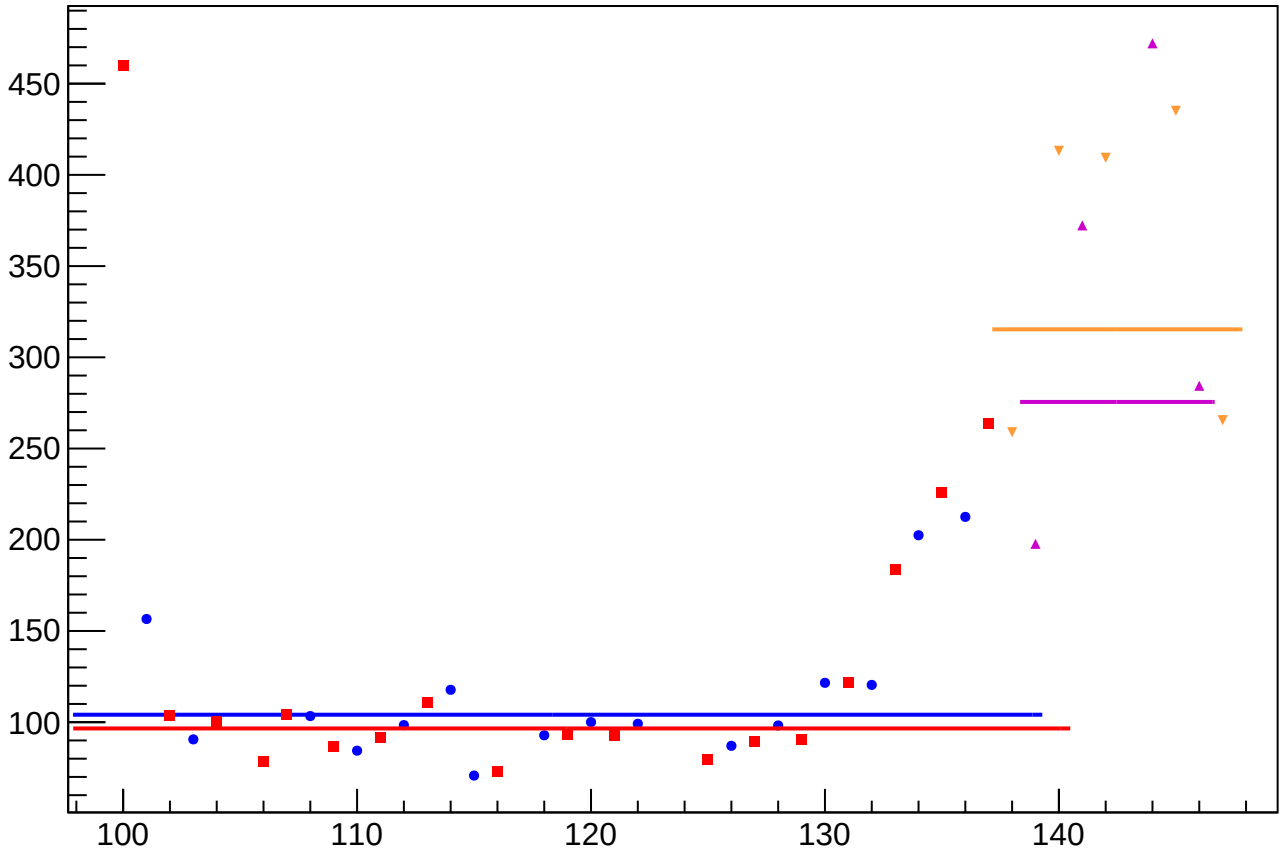
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.237+/-0.171 χ²/NDF:9.9/4
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.150+/-0.158 χ²/NDF:7.5/3
+ sign 0.020+/-0.040 χ²/NDF: 22.1/20
All: 0.023+/-0.027 χ²/NDF: 52.9/42
- sign 0.026+/-0.038 χ²/NDF: 30.8/21



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 315.326+/-0.121 χ^2/NDF:384234.9/4

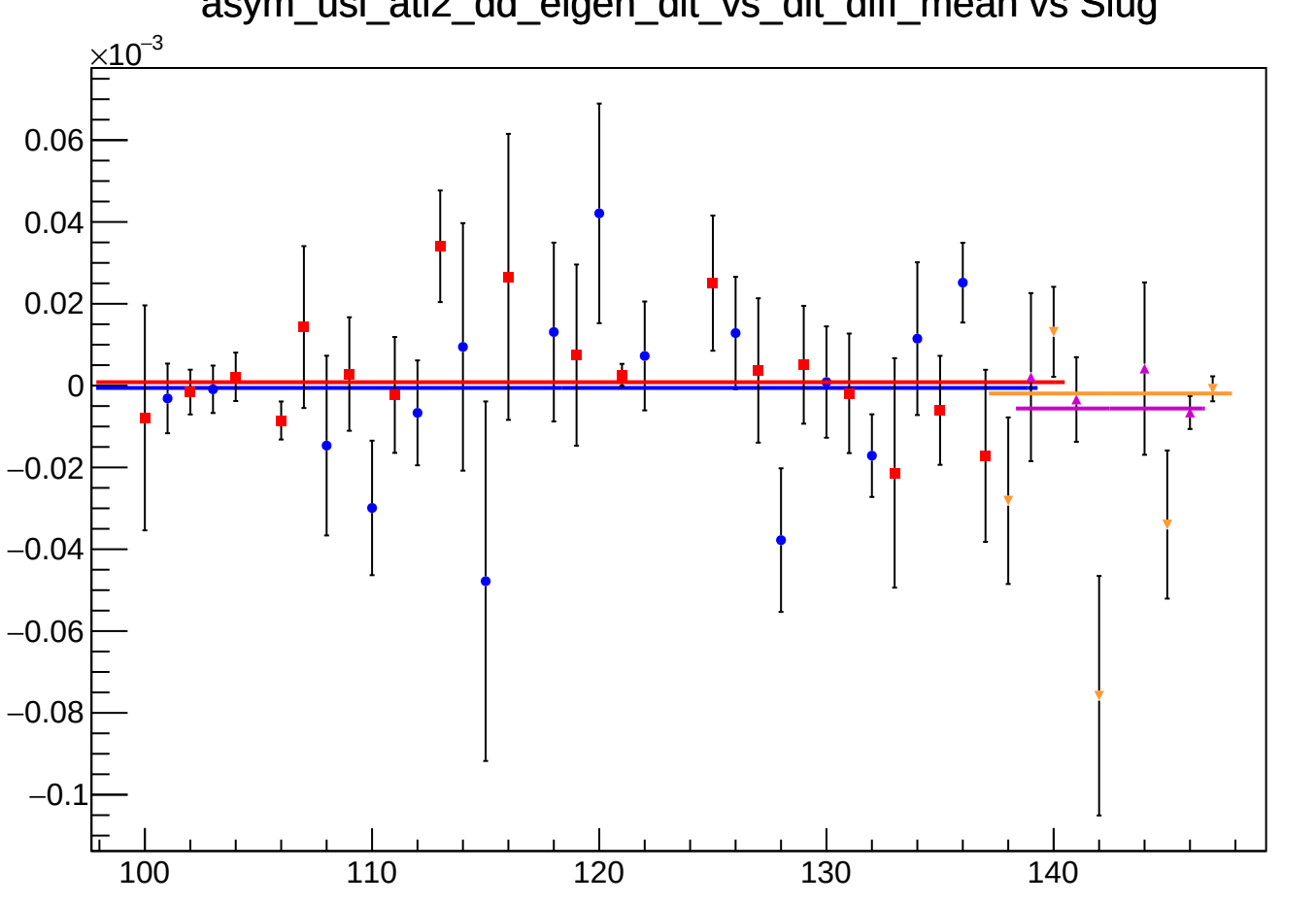
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

+ sign 115.629+/-0.028 χ^2/NDF: 4267226.2/20

All: 110.986+/-0.019 χ^2/NDF: 8362610.8/42

- sign 106.826+/-0.027 χ^2/NDF: 4044035.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

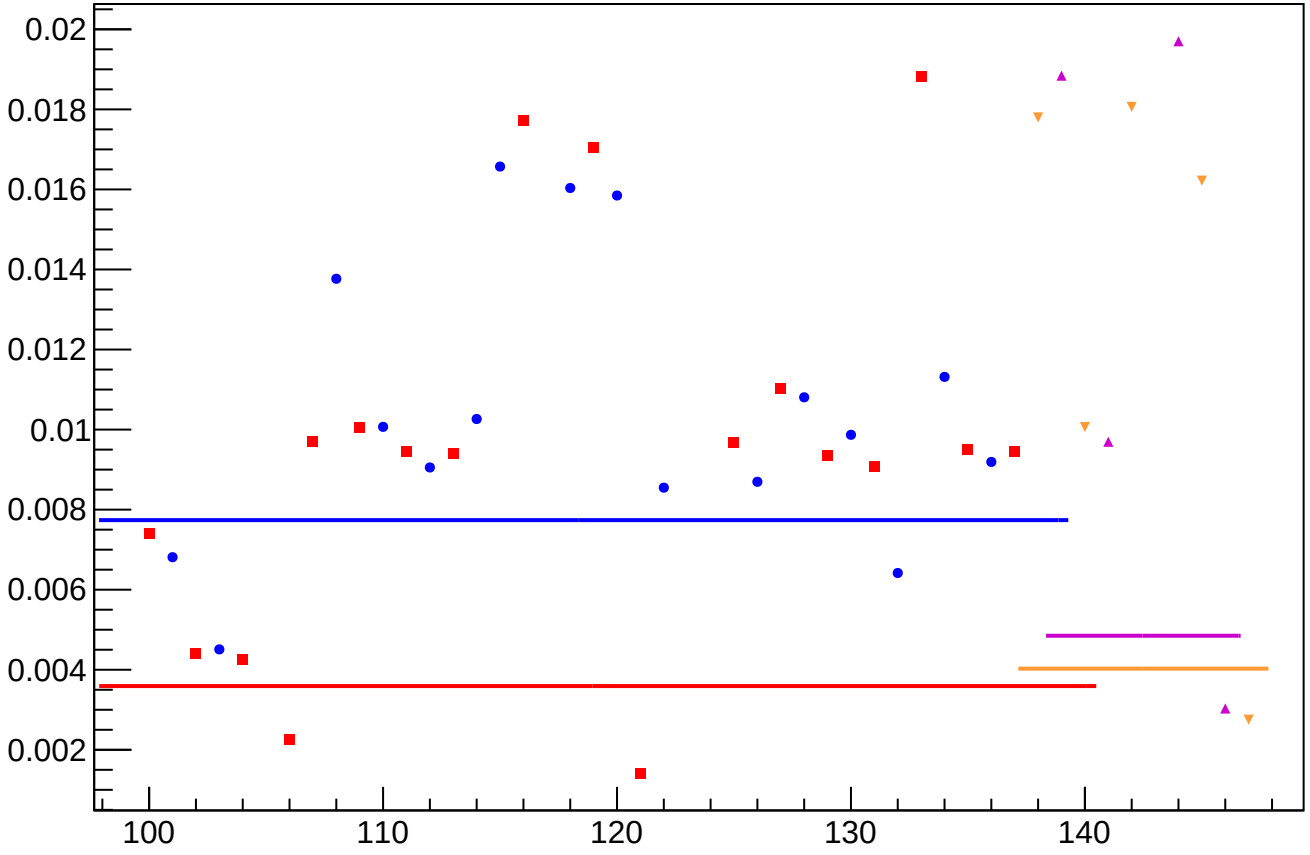
Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/20

All: -0.000+/-0.000 χ^2/NDF: 56.2/42

- sign -0.000+/-0.000 χ^2/NDF: 18.8/21

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: 0.004+/-0.000 χ^2/NDF:3231964.8/4

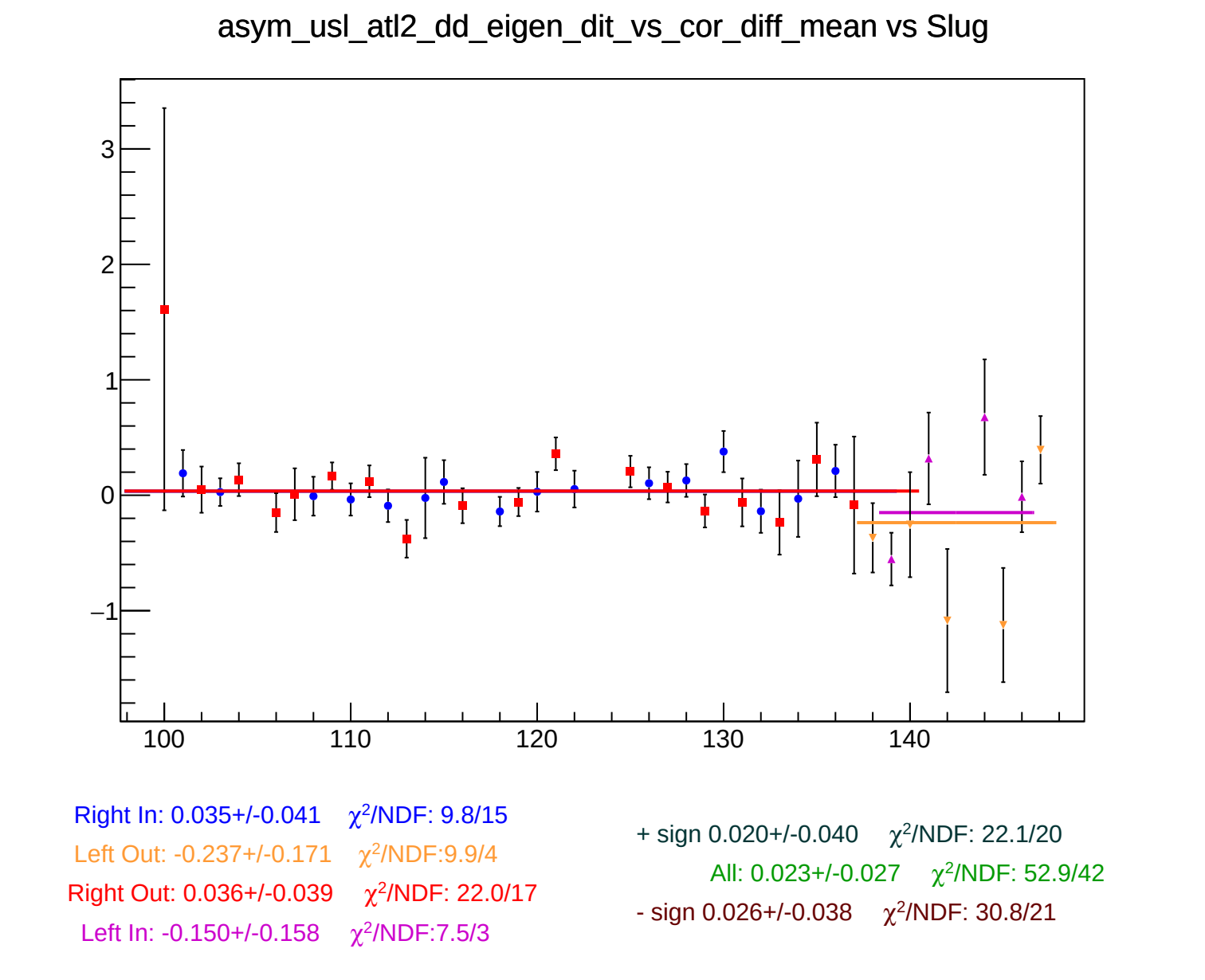
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.005+/-0.000 χ^2/NDF:2768499.9/3

+ sign 0.006+/-0.000 χ^2/NDF: 6473600.9/20

All: 0.005+/-0.000 χ^2/NDF: 16786982.6/42

- sign 0.004+/-0.000 χ^2/NDF: 9323548.9/21


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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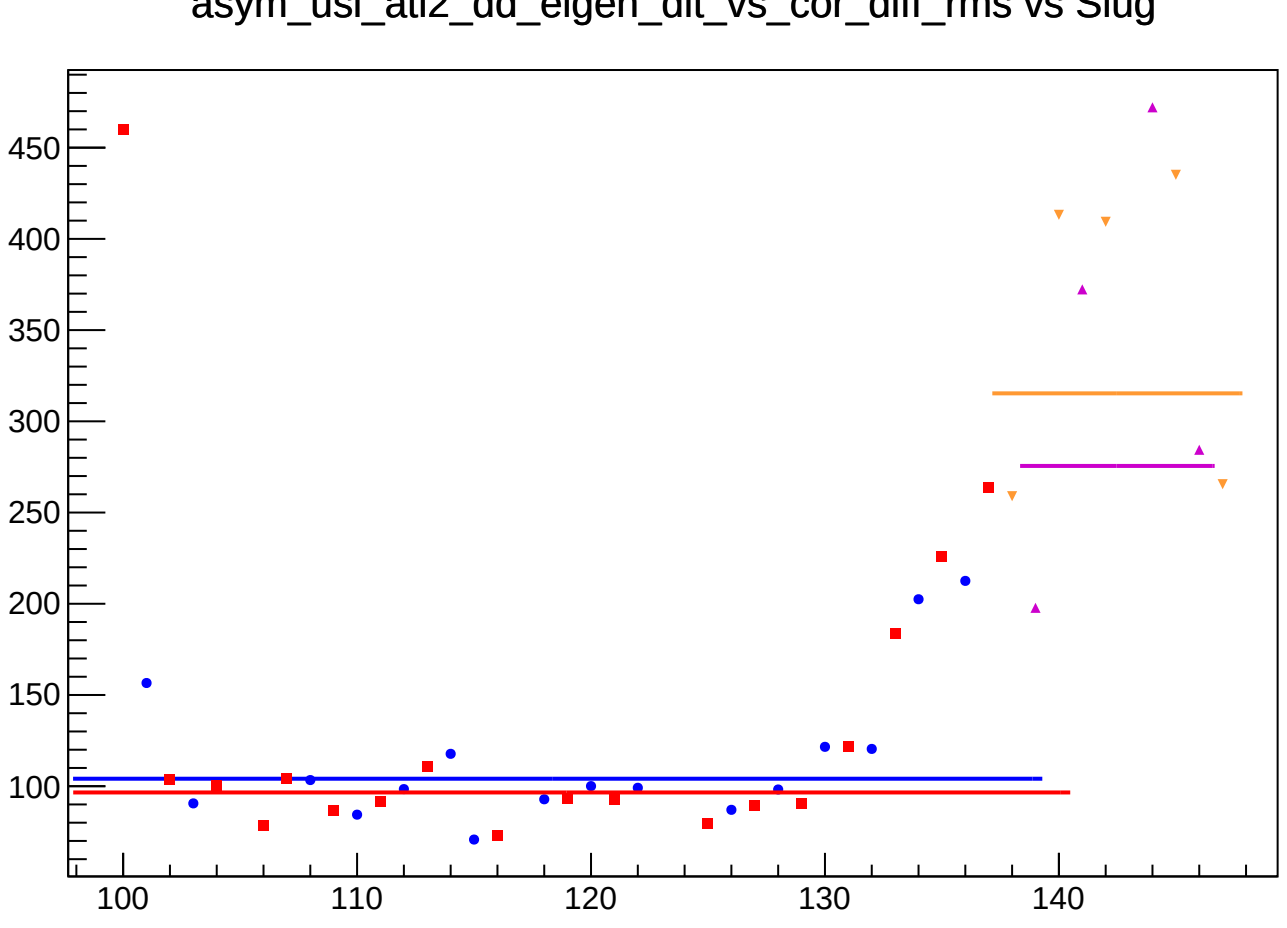
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.237+/-0.171 χ²/NDF:9.9/4
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.150+/-0.158 χ²/NDF:7.5/3
+ sign 0.020+/-0.040 χ²/NDF: 22.1/20
All: 0.023+/-0.027 χ²/NDF: 52.9/42
- sign 0.026+/-0.038 χ²/NDF: 30.8/21



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 315.328+/-0.121 χ^2/NDF:384261.5/4

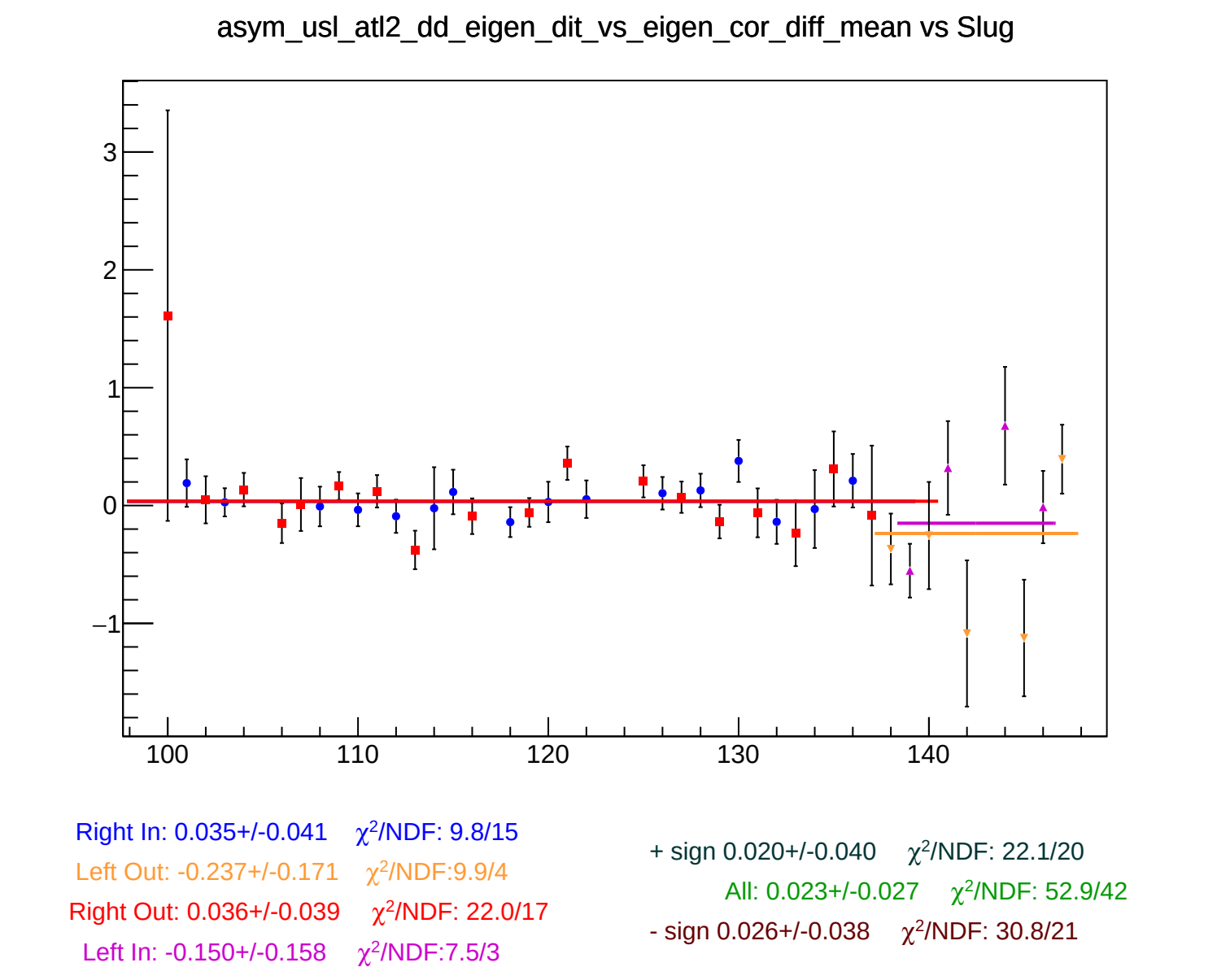
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

+ sign 115.629+/-0.028 χ^2/NDF: 4267193.9/20

All: 110.987+/-0.019 χ^2/NDF: 8362505.2/42

- sign 106.827+/-0.027 χ^2/NDF: 4043968.5/21


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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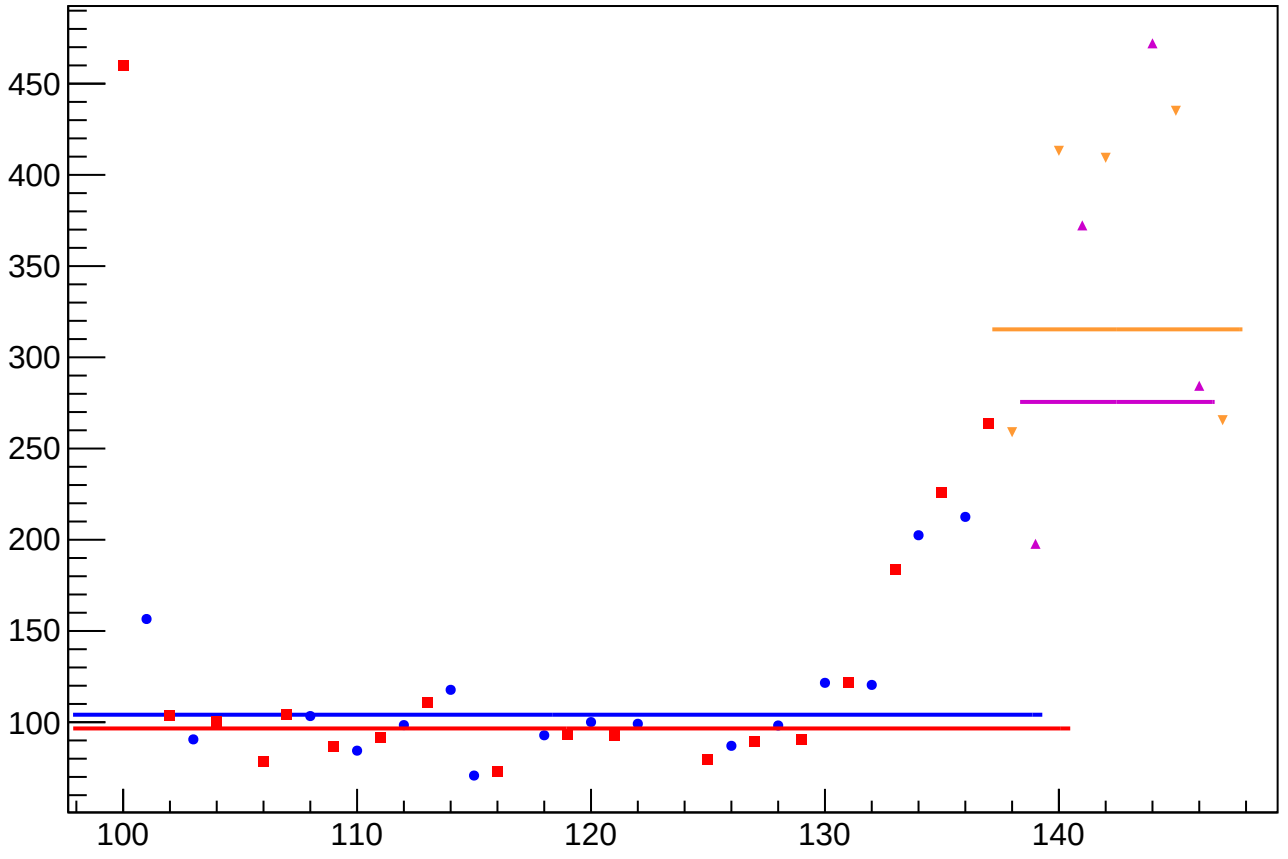
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.237+/-0.171 χ²/NDF:9.9/4
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.150+/-0.158 χ²/NDF:7.5/3
+ sign 0.020+/-0.040 χ²/NDF: 22.1/20
All: 0.023+/-0.027 χ²/NDF: 52.9/42
- sign 0.026+/-0.038 χ²/NDF: 30.8/21



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 315.328+/-0.121 χ^2/NDF:384261.5/4

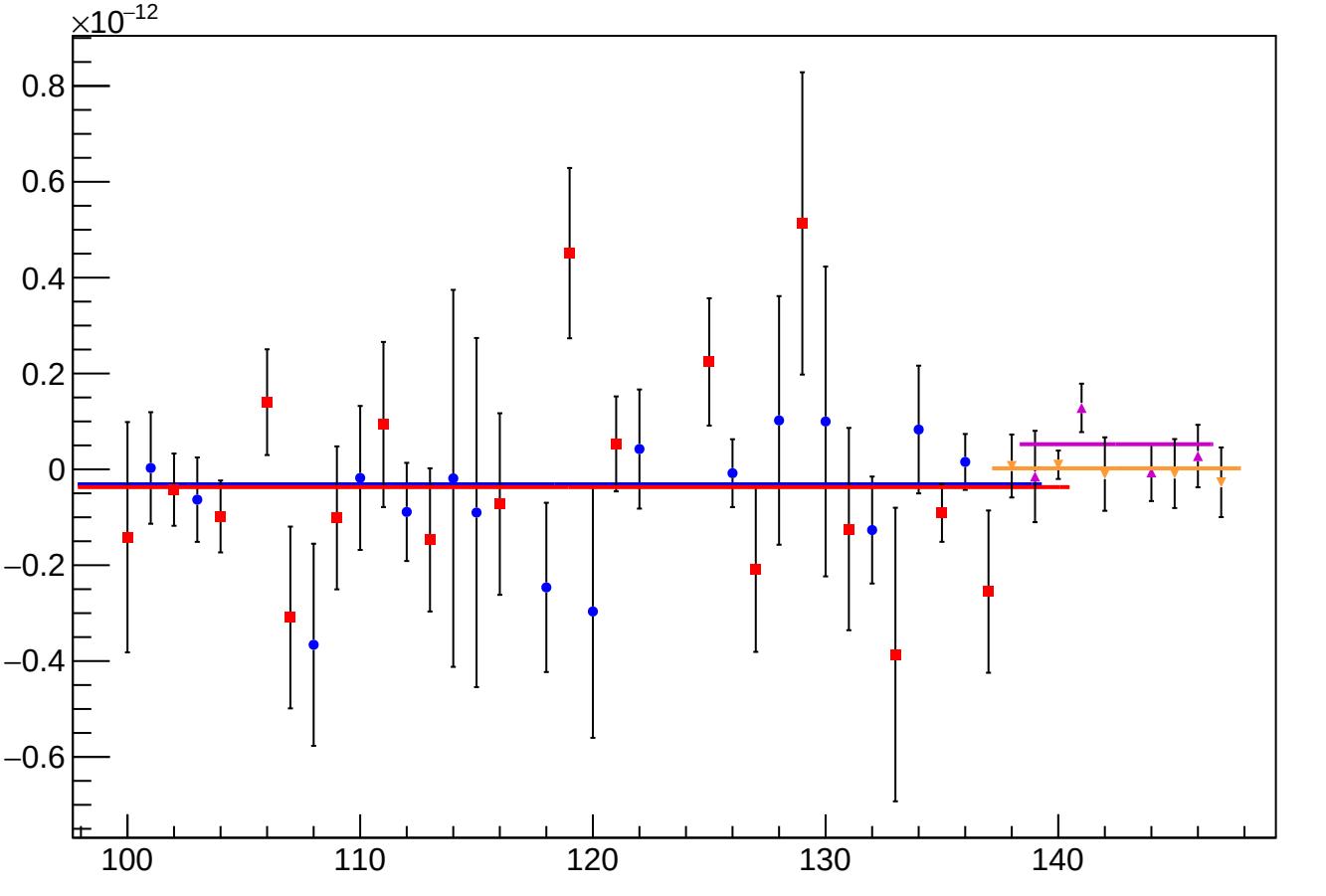
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

+ sign 115.629+/-0.028 χ^2/NDF: 4267193.9/20

All: 110.987+/-0.019 χ^2/NDF: 8362505.2/42

- sign 106.827+/-0.027 χ^2/NDF: 4043968.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

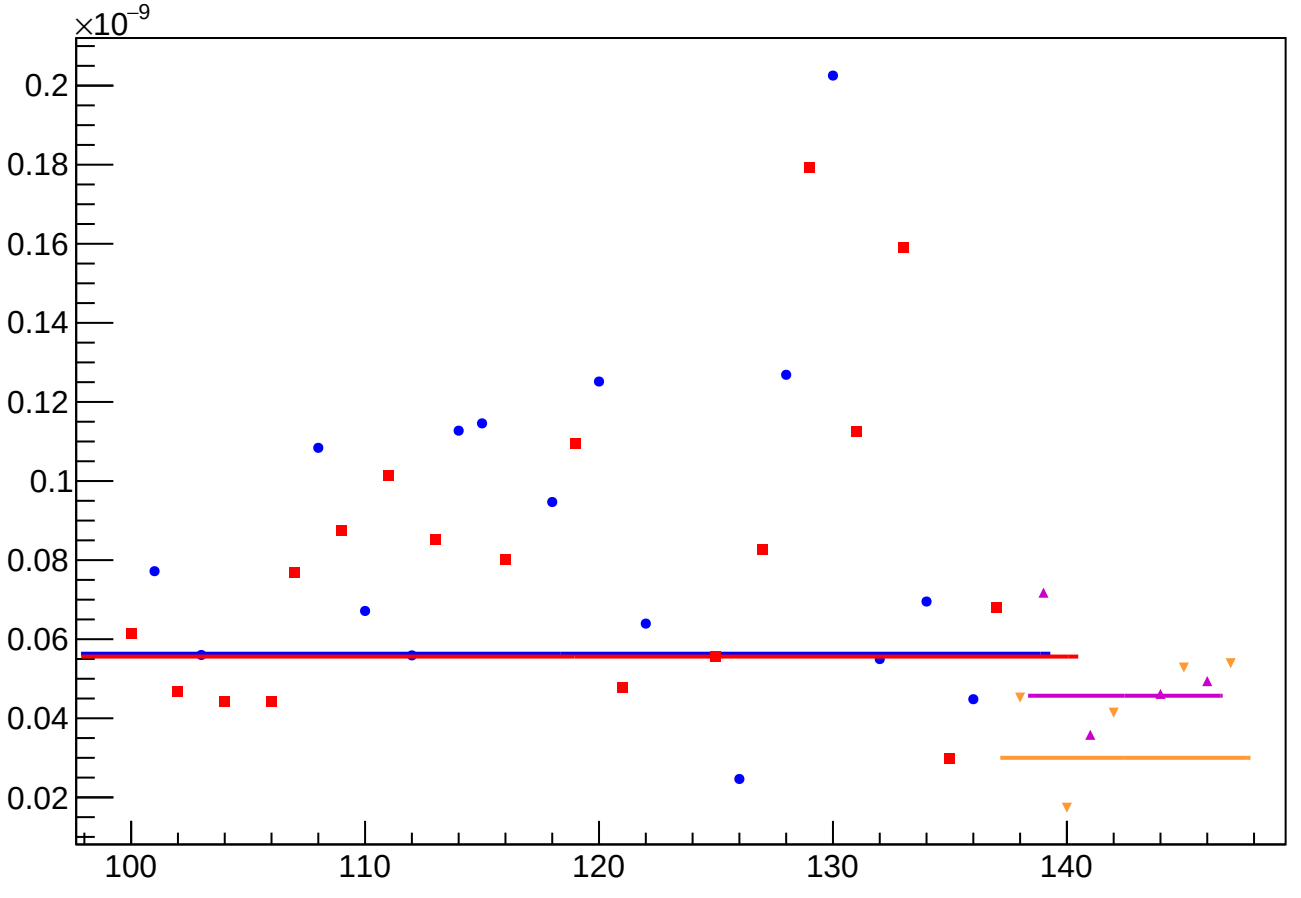
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 9.7/20

All: -0.000+/-0.000 χ^2/NDF: 45.2/42

- sign 0.000+/-0.000 χ^2/NDF: 35.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:933280.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

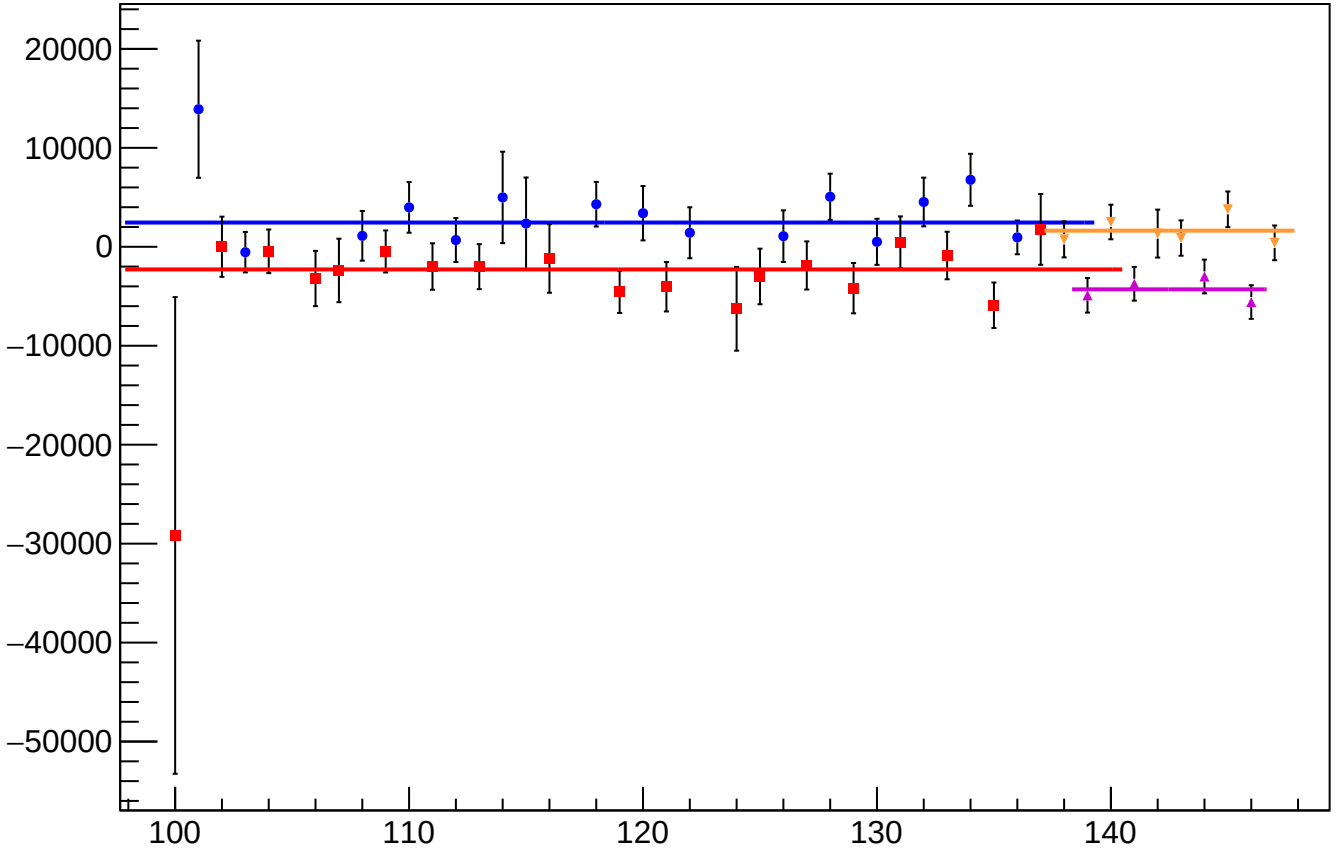
Left In: 0.000+/-0.000 χ^2/NDF:232535.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 3510926.9/20

All: 0.000+/-0.000 χ^2/NDF: 5946617.4/42

- sign 0.000+/-0.000 χ^2/NDF: 2108381.6/21

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.389+/-756.742 χ^2/NDF:2.6/5

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

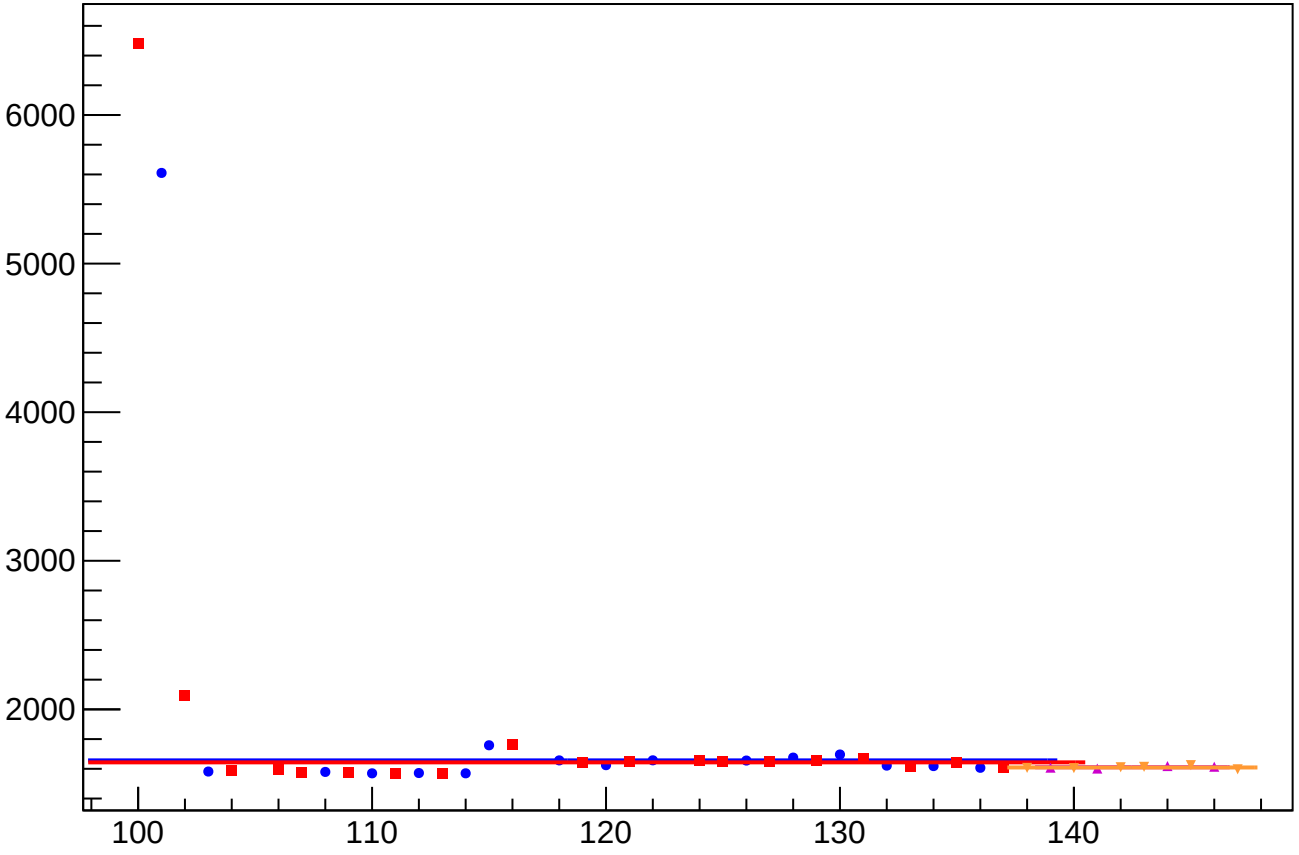
Left In: -4300.867+/-856.769 χ^2/NDF:1.4/3

+ sign 2114.309+/-484.280 χ^2/NDF: 17.1/21

All: -361.245+/-346.665 χ^2/NDF: 87.6/44

- sign -2962.920+/-496.463 χ^2/NDF: 16.9/22

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

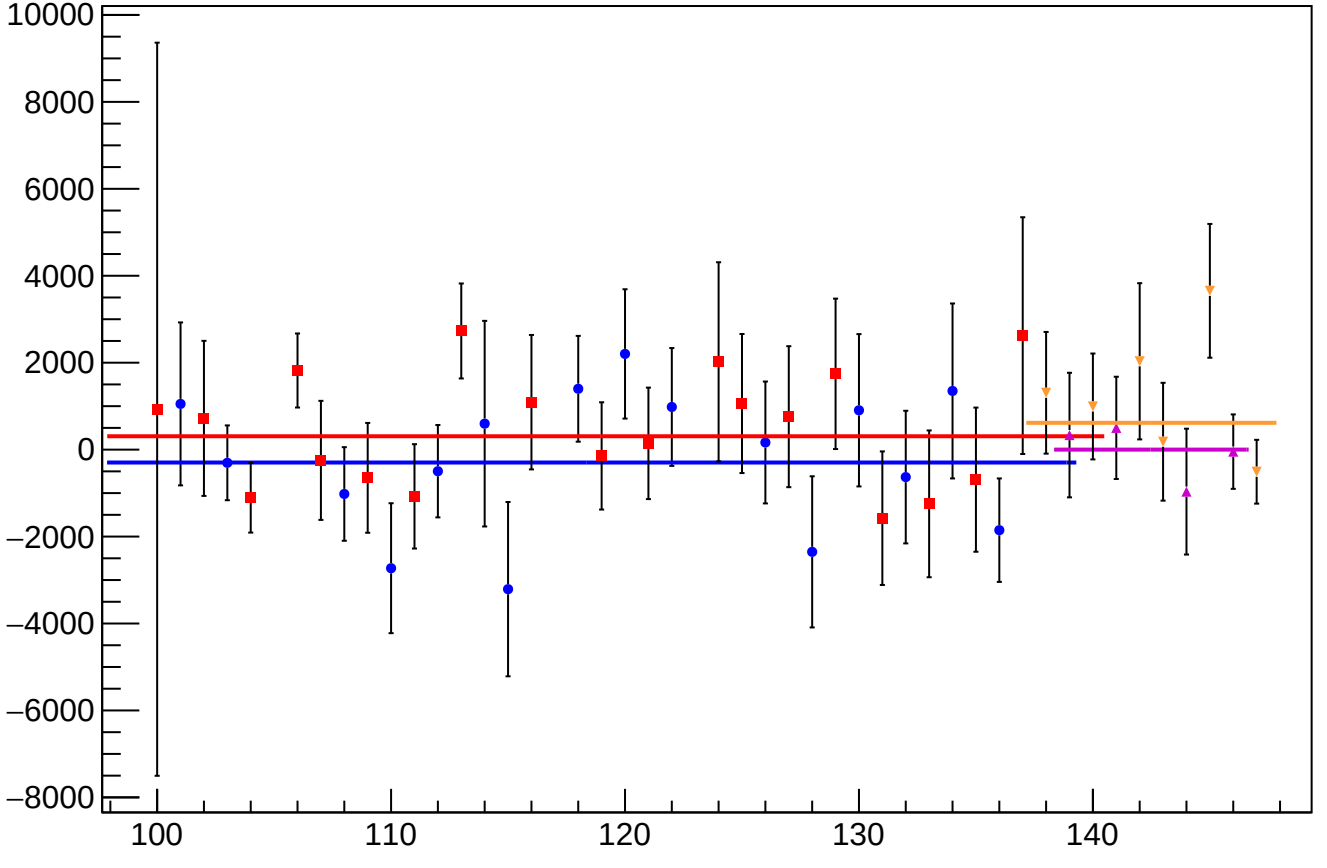
Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.4/21

All: 1634.859+/-0.245 χ^2/NDF: 810330.5/44

- sign 1632.430+/-0.351 χ^2/NDF: 139051.6/22

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 617.093+/-481.291 χ^2/NDF:7.3/5

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

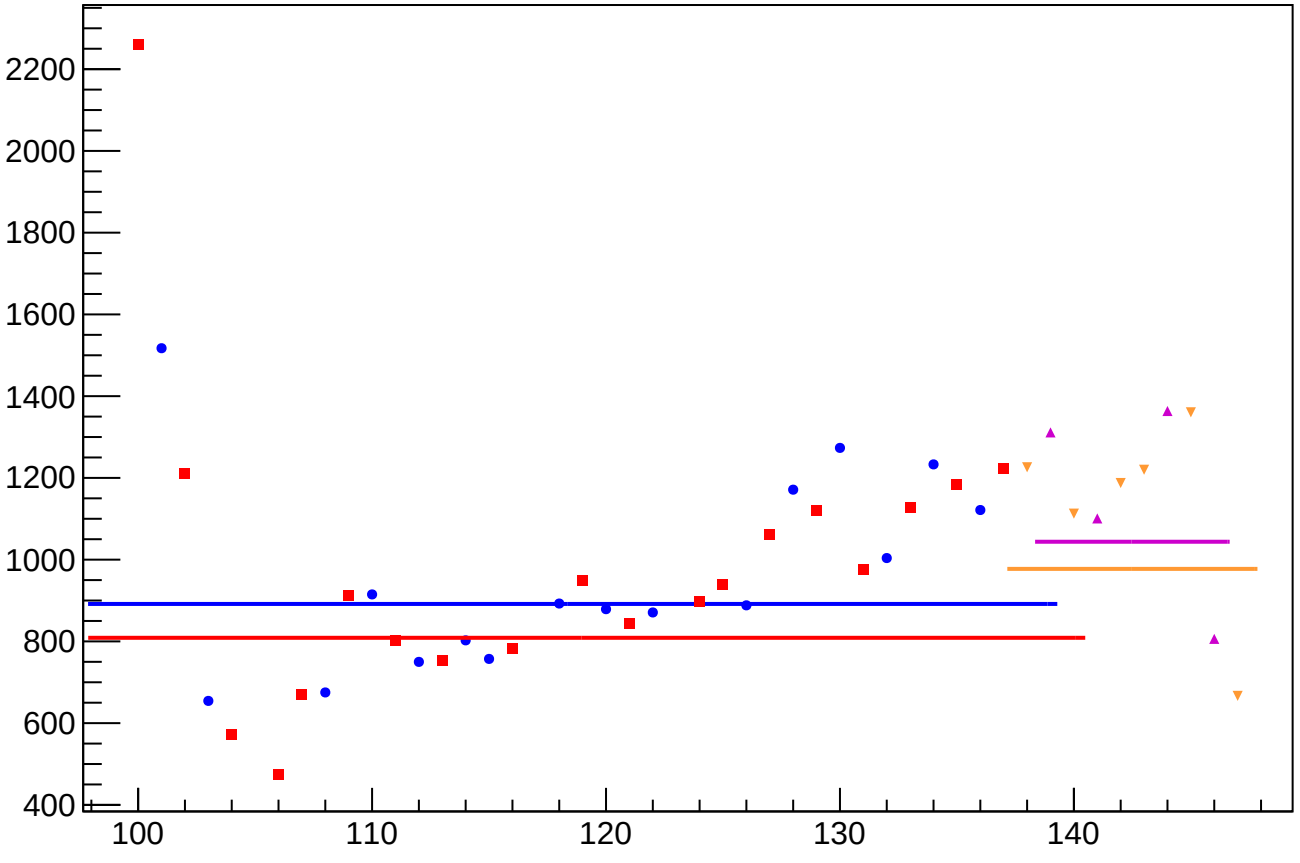
Left In: 0.565+/-572.461 χ^2/NDF:0.7/3

+ sign 11.771+/-279.560 χ^2/NDF: 25.7/21

All: 126.395+/-195.907 χ^2/NDF: 45.6/44

- sign 237.000+/-274.614 χ^2/NDF: 19.6/22

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 977.425+/-0.340 χ^2/NDF:661334.4/5

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

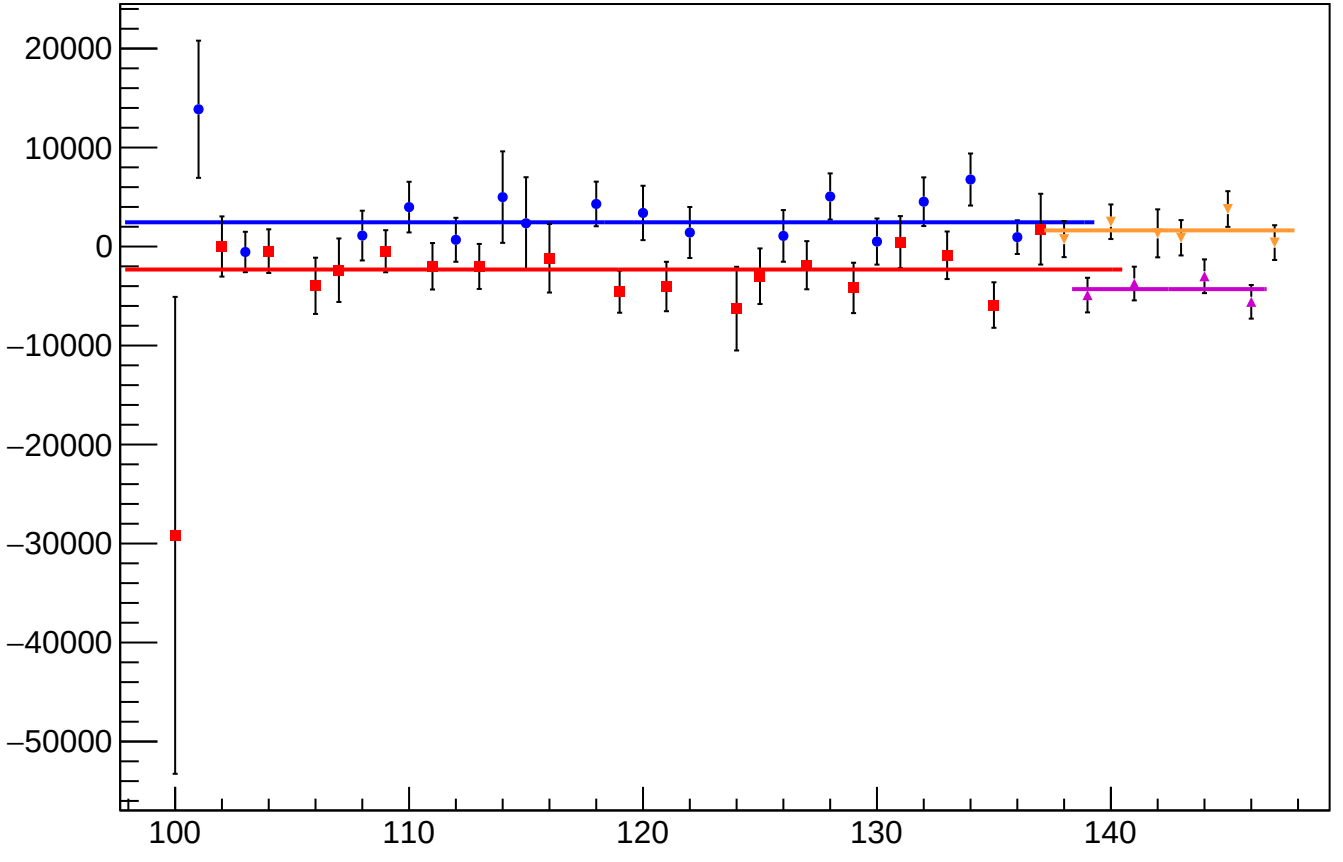
Left In: 1043.820+/-0.405 χ^2/NDF:326074.9/3

+ sign 920.578+/-0.198 χ^2/NDF: 1497339.5/21

All: 891.219+/-0.139 χ^2/NDF: 3210097.9/44

- sign 862.890+/-0.194 χ^2/NDF: 1669416.3/22

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

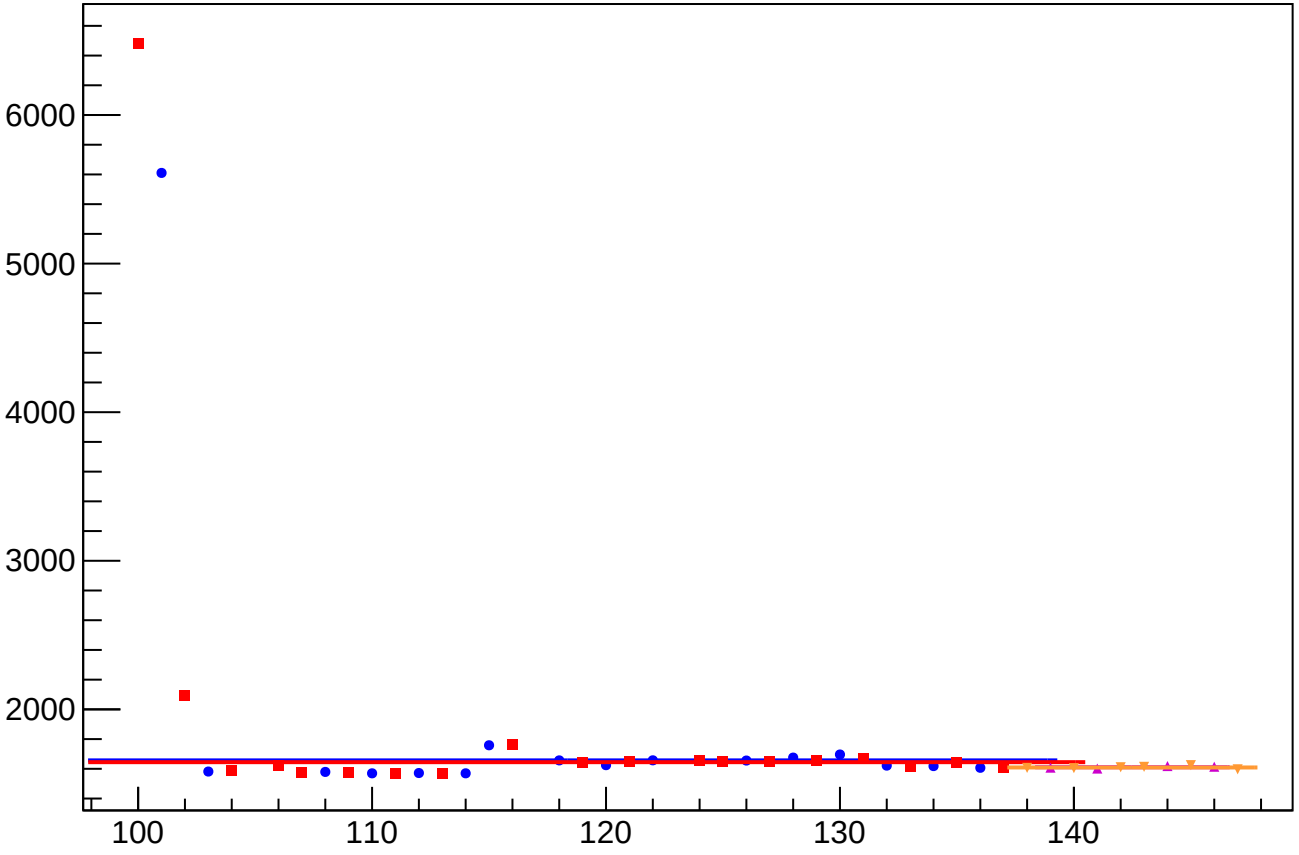
Left In: -4301.069+/-856.769 χ^2/NDF:1.4/3

+ sign 2113.989+/-484.280 χ^2/NDF: 17.1/21

All: -371.419+/-346.757 χ^2/NDF: 88.2/44

- sign -2986.298+/-496.734 χ^2/NDF: 17.0/22

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

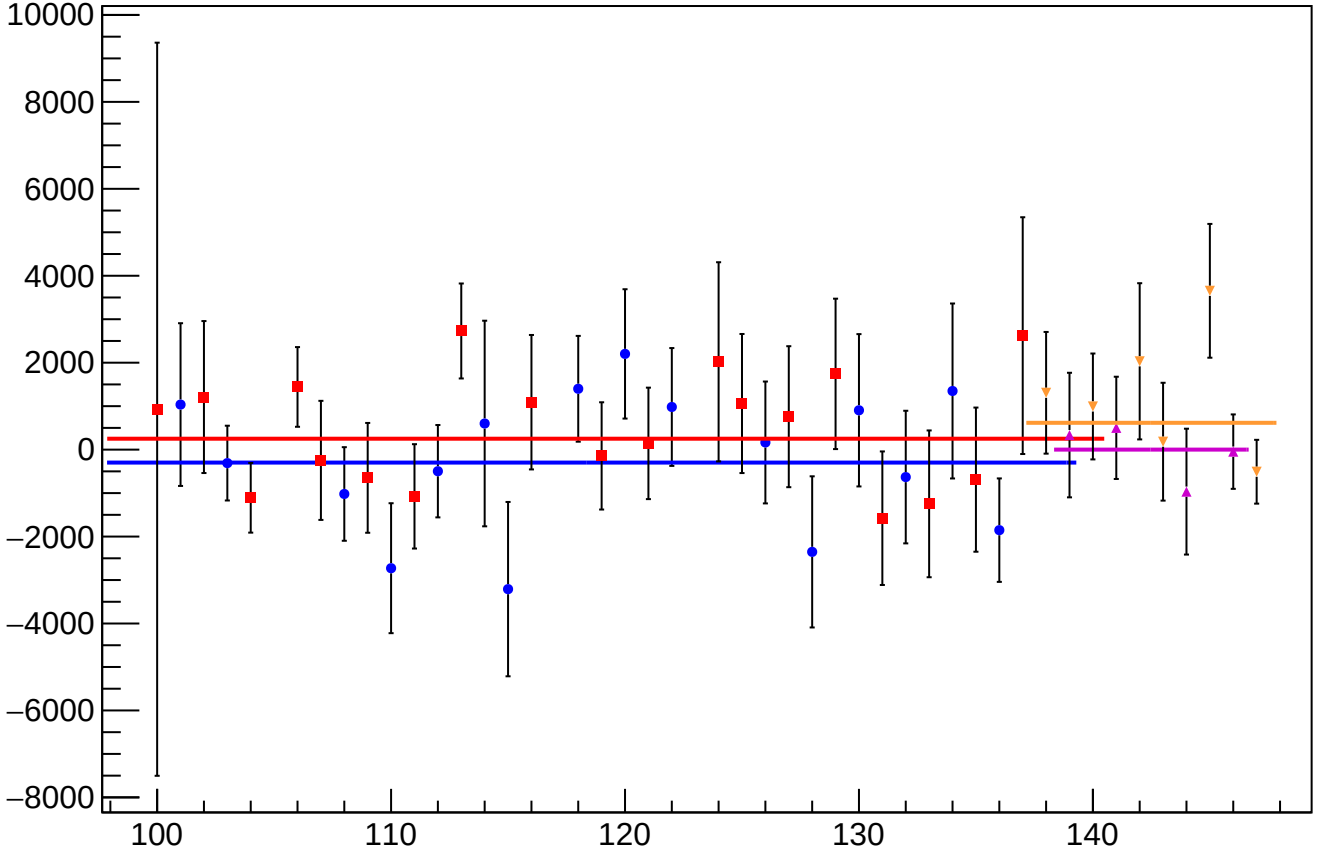
Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.0/21

All: 1635.276+/-0.245 χ^2/NDF: 809941.0/44

- sign 1633.283+/-0.351 χ^2/NDF: 138693.3/22

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

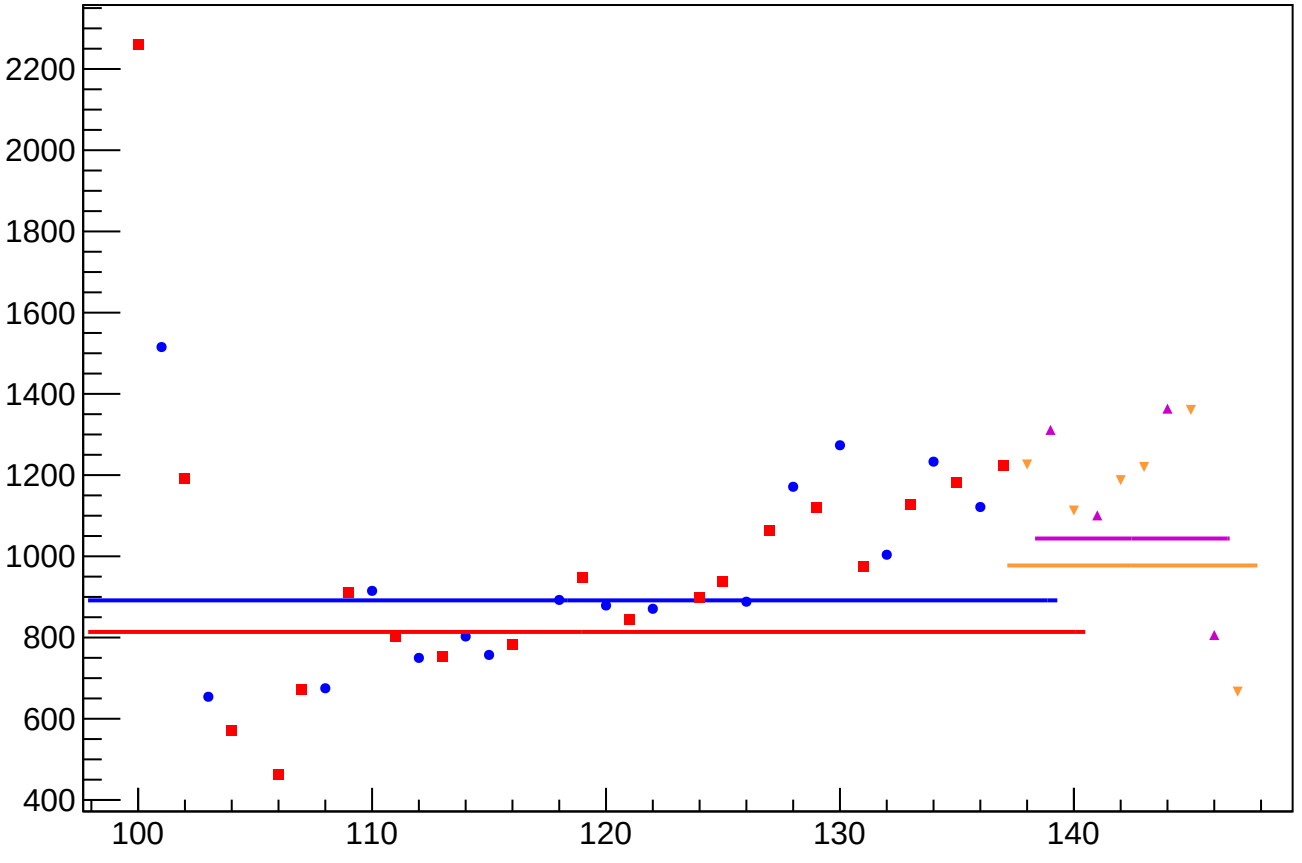
Left In: 0.526+/-572.468 χ^2/NDF:0.7/3

+ sign 10.834+/-279.535 χ^2/NDF: 25.6/21

All: 102.792+/-196.573 χ^2/NDF: 44.0/44

- sign 192.752+/-276.482 χ^2/NDF: 18.1/22

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

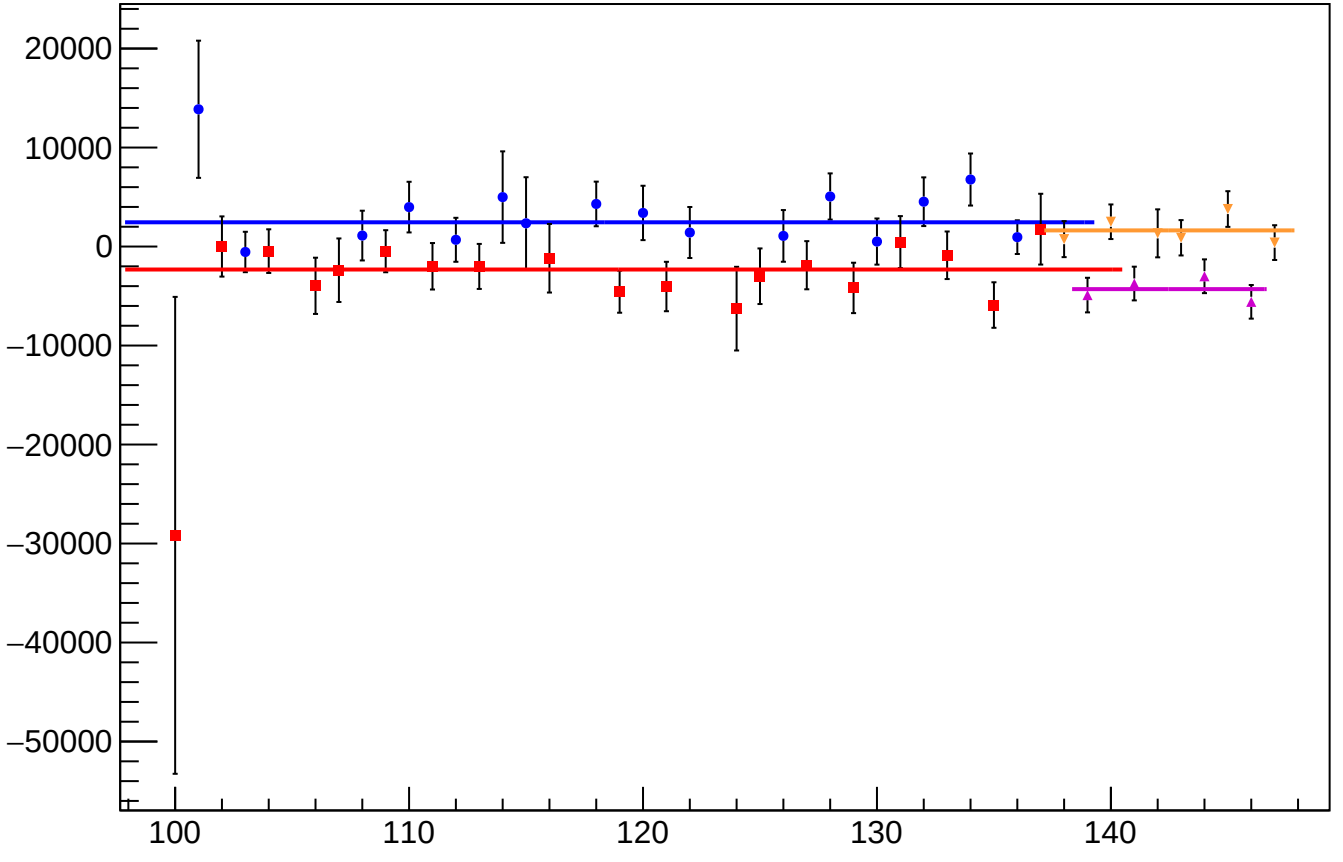
Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

+ sign 920.507+/-0.198 χ^2/NDF: 1497158.7/21

All: 893.693+/-0.139 χ^2/NDF: 3160197.5/44

- sign 867.462+/-0.196 χ^2/NDF: 1626634.8/22

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

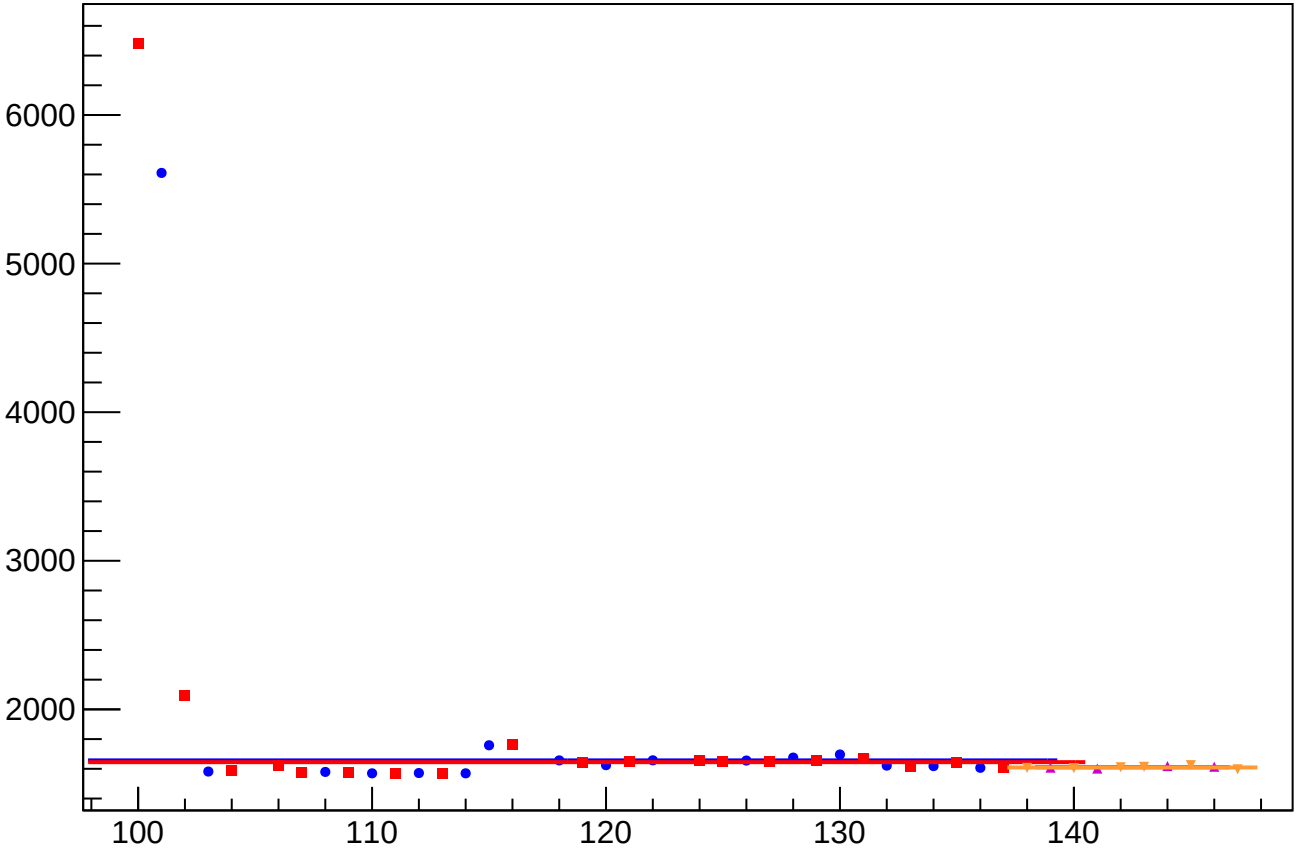
Left In: -4301.069+/-856.769 χ^2/NDF:1.4/3

+ sign 2113.989+/-484.280 χ^2/NDF: 17.1/21

All: -371.419+/-346.757 χ^2/NDF: 88.2/44

- sign -2986.298+/-496.734 χ^2/NDF: 17.0/22

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

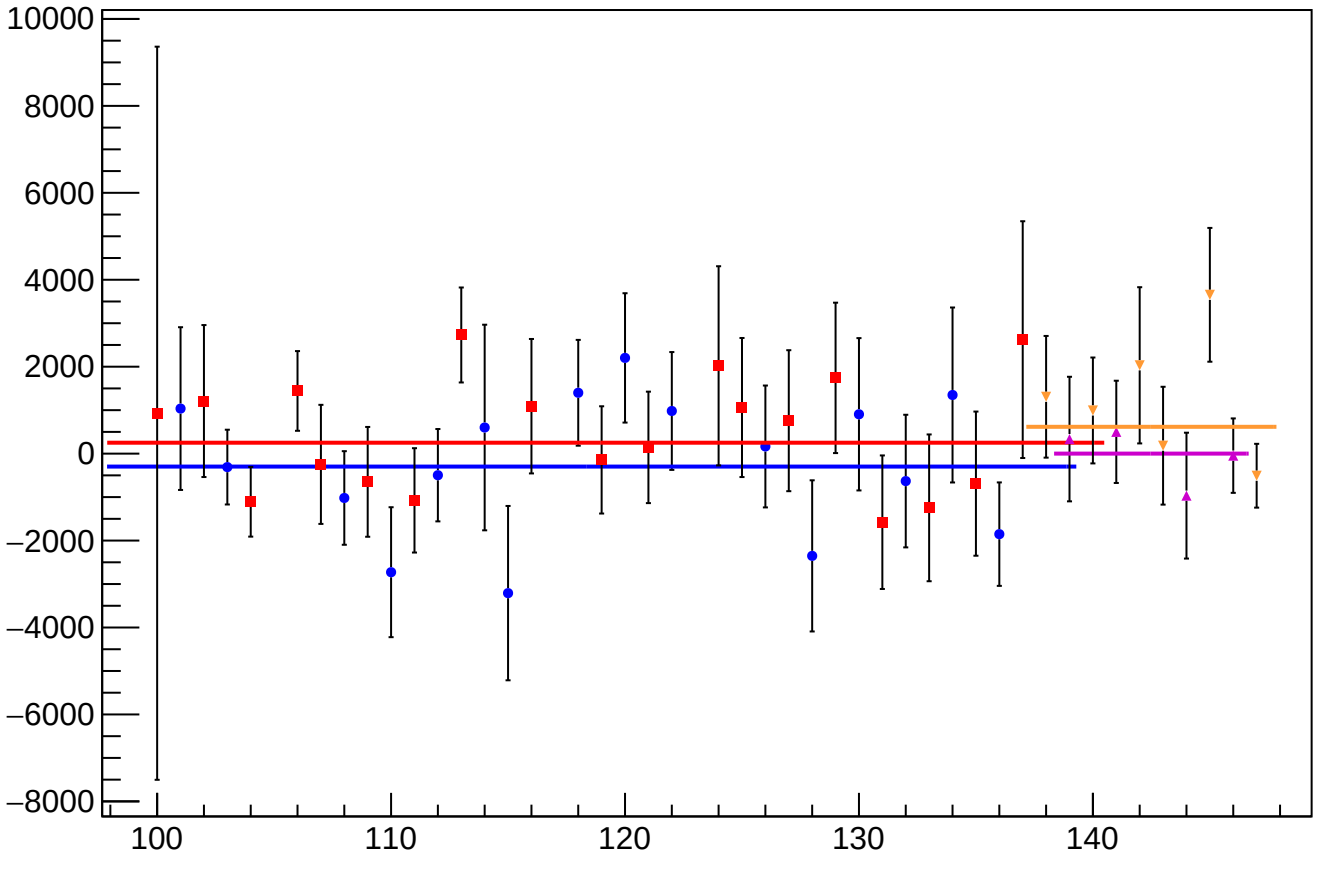
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.0/21

All: 1635.276+/-0.245 χ^2/NDF: 809941.0/44

- sign 1633.283+/-0.351 χ^2/NDF: 138693.3/22



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

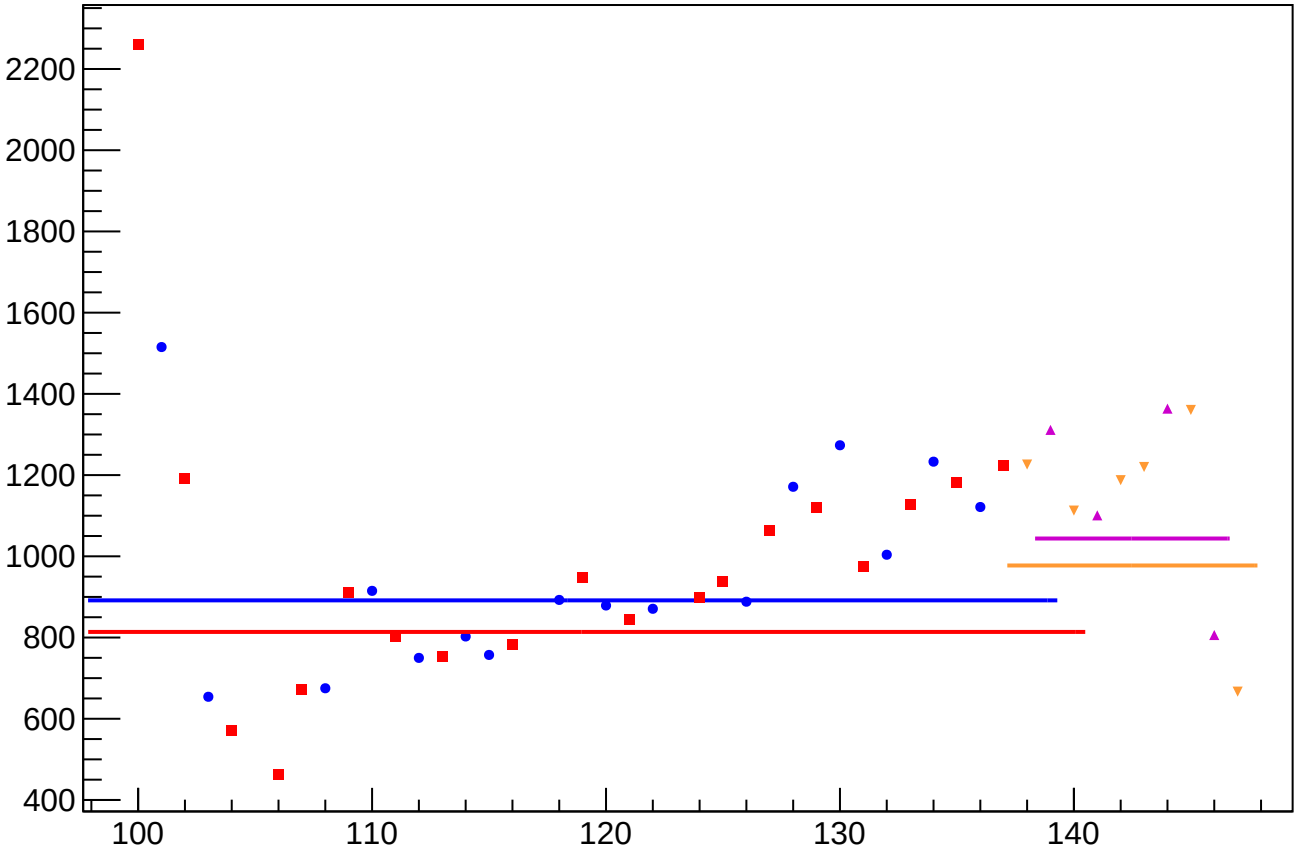
Left In: 0.526+/-572.468 χ^2/NDF:0.7/3

+ sign 10.834+/-279.535 χ^2/NDF: 25.6/21

All: 102.792+/-196.573 χ^2/NDF: 44.0/44

- sign 192.752+/-276.482 χ^2/NDF: 18.1/22

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

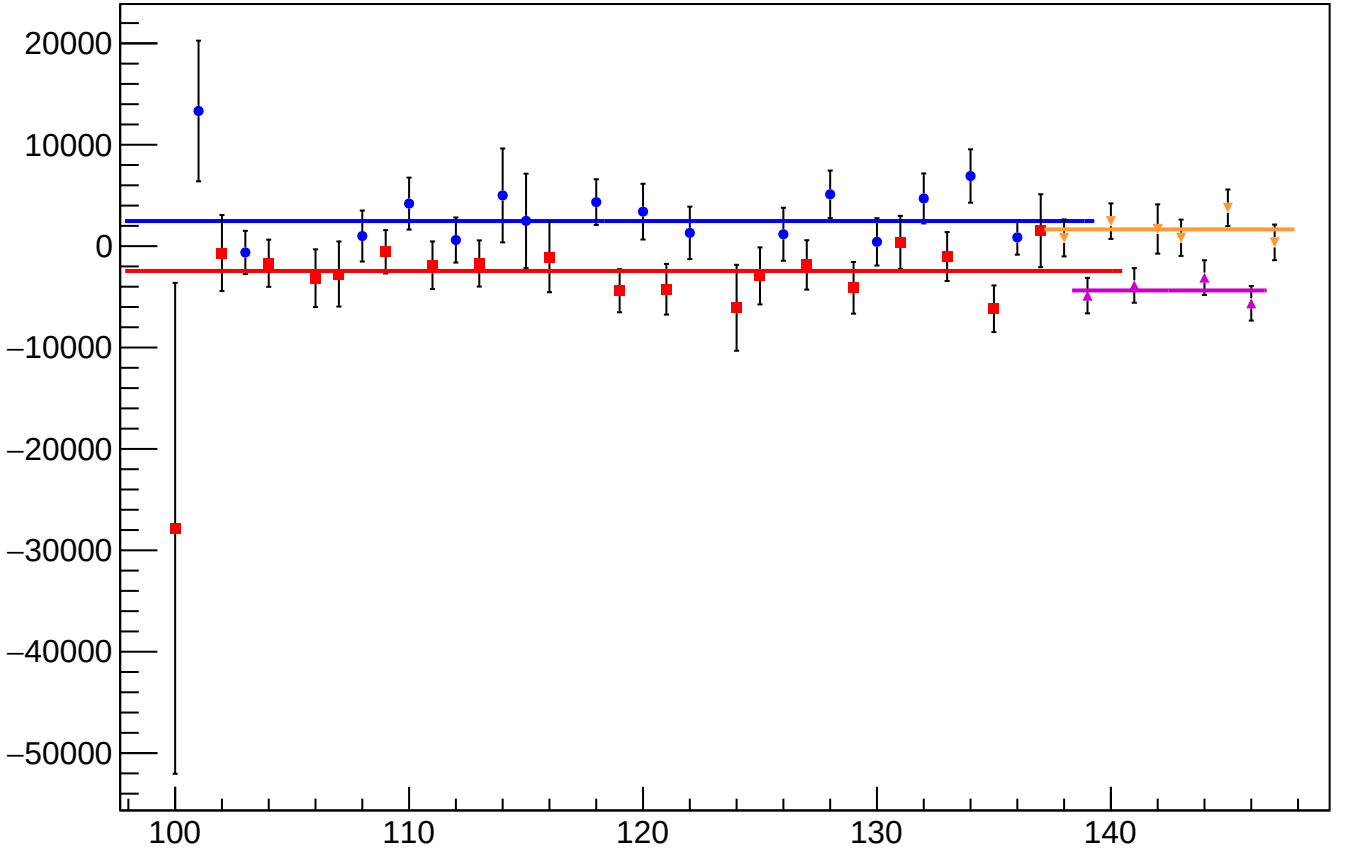
Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

+ sign 920.507+/-0.198 χ^2/NDF: 1497158.7/21

All: 893.693+/-0.139 χ^2/NDF: 3160197.5/44

- sign 867.462+/-0.196 χ^2/NDF: 1626634.8/22

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.013+/-758.495 χ^2/NDF:2.6/5

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

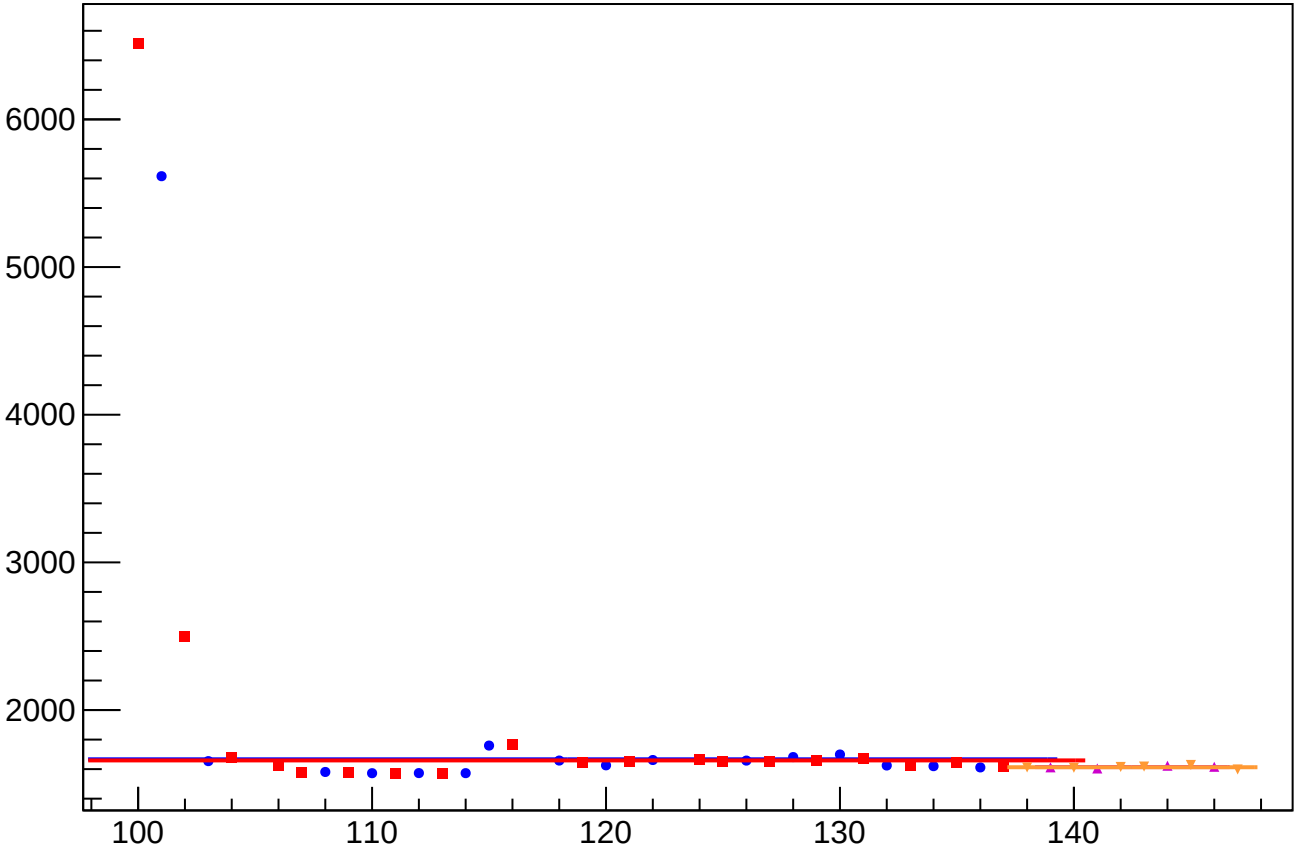
Left In: -4370.092+/-858.536 χ^2/NDF:1.3/3

+ sign 2136.721+/-486.385 χ^2/NDF: 17.5/21

All: -404.453+/-349.086 χ^2/NDF: 88.9/44

- sign -3104.061+/-501.318 χ^2/NDF: 15.1/22

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

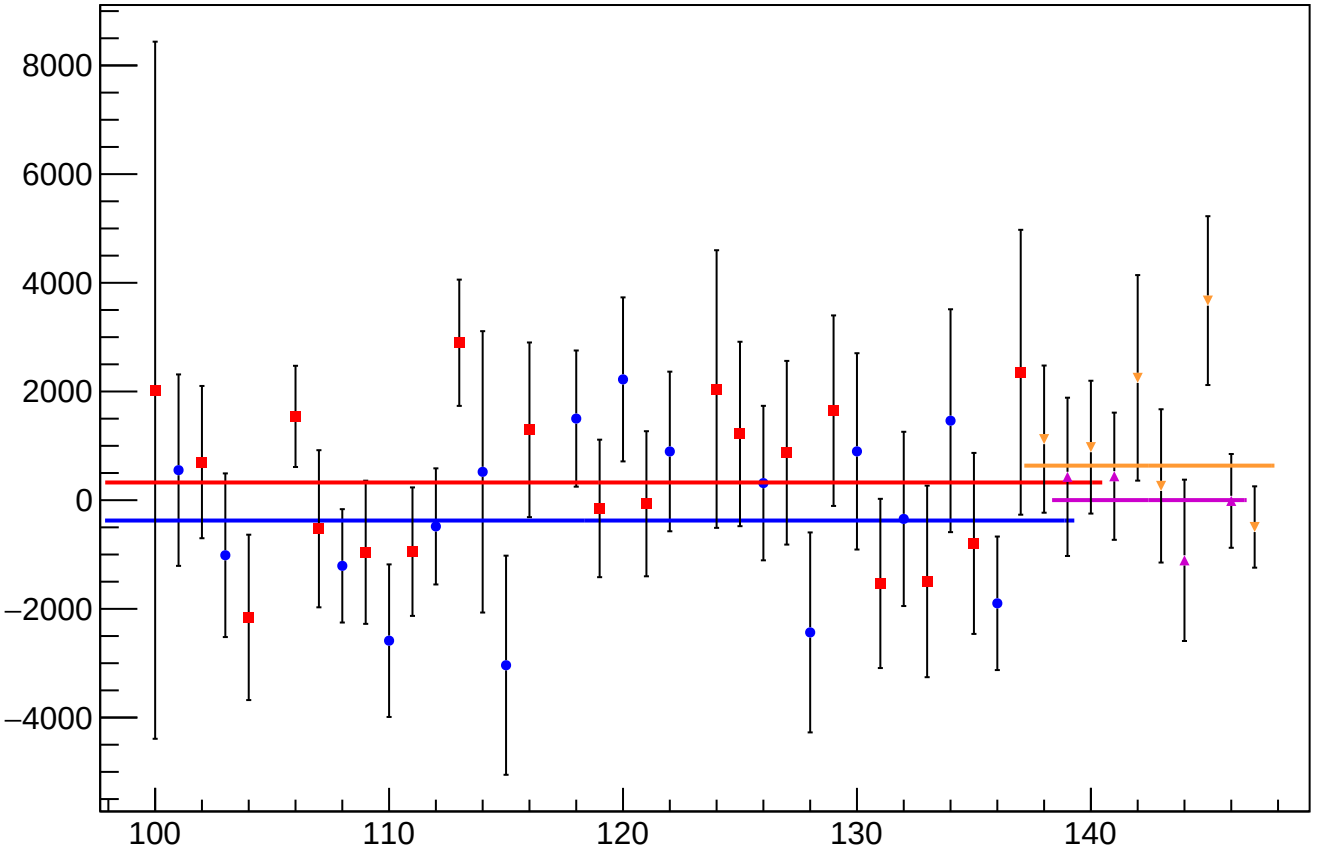
Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

+ sign 1644.340+/-0.344 χ^2/NDF: 669121.7/21

All: 1644.002+/-0.247 χ^2/NDF: 866099.3/44

- sign 1643.644+/-0.354 χ^2/NDF: 196975.6/22

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 635.813+/-488.166 χ^2/NDF:7.1/5

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

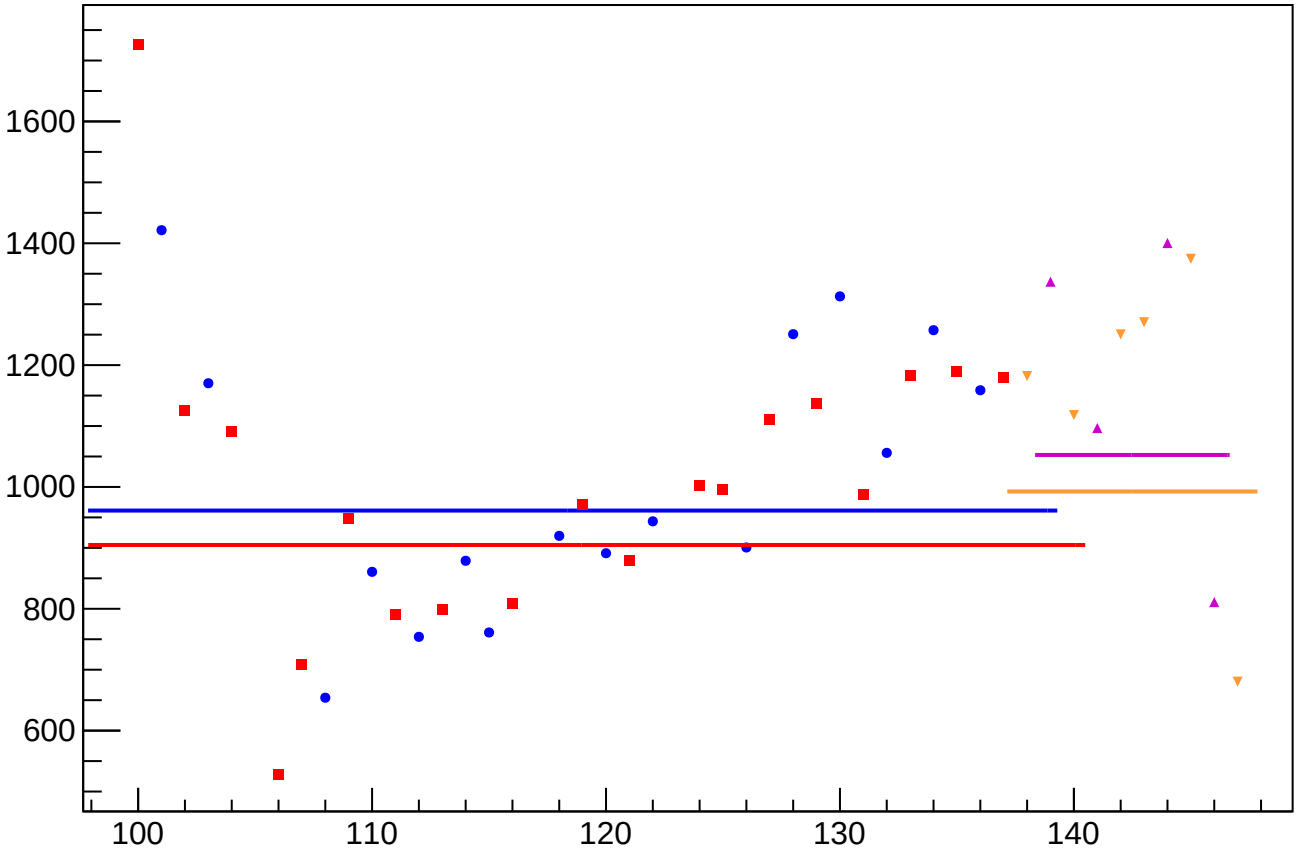
Left In: 1.383+/-577.504 χ^2/NDF:0.8/3

+ sign -8.534+/-293.829 χ^2/NDF: 25.6/21

All: 116.908+/-207.613 χ^2/NDF: 44.3/44

- sign 241.974+/-293.390 χ^2/NDF: 18.4/22

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 992.557+/-0.345 χ^2/NDF:643963.6/5

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

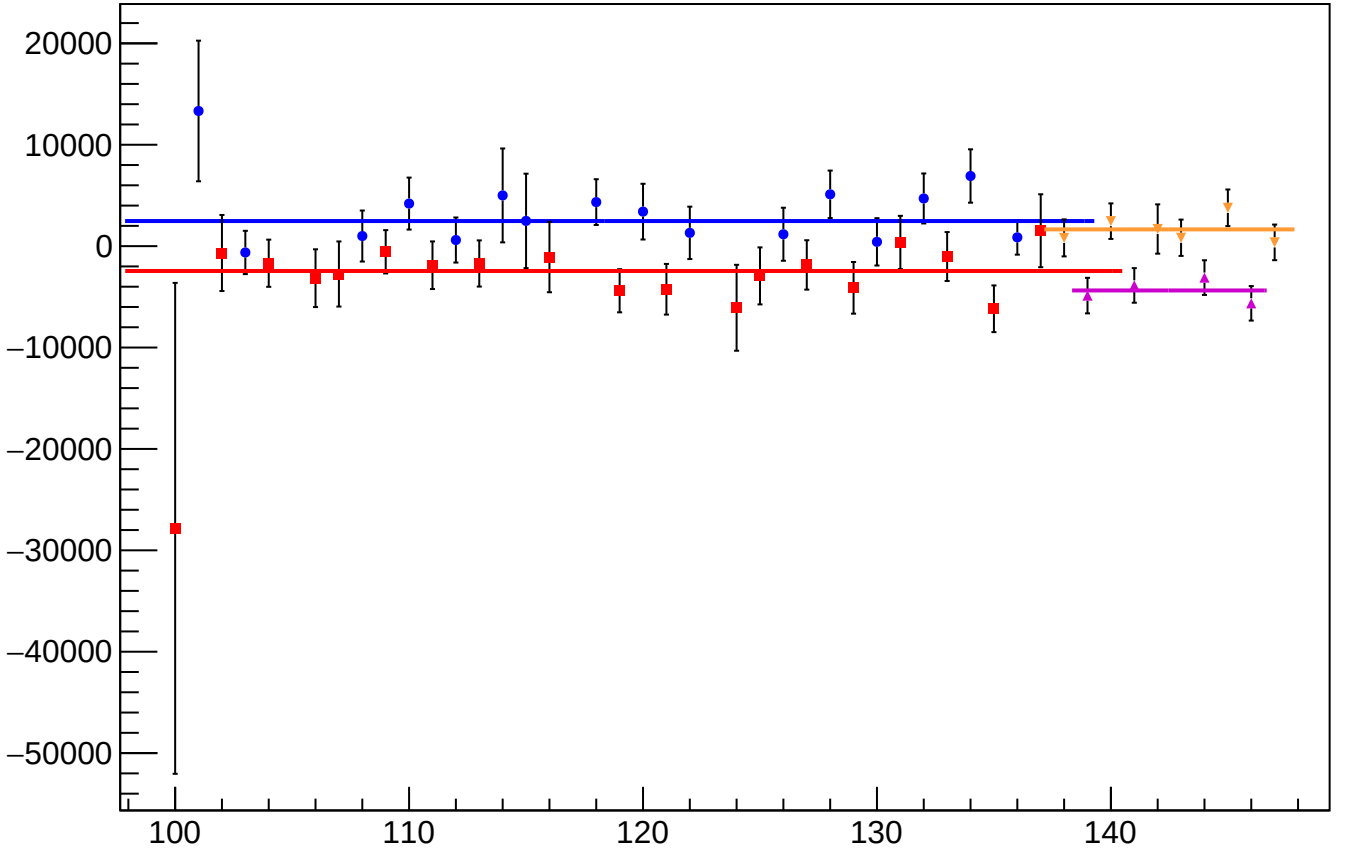
Left In: 1052.505+/-0.408 χ^2/NDF:345591.0/3

+ sign 972.588+/-0.208 χ^2/NDF: 1341087.3/21

All: 957.709+/-0.147 χ^2/NDF: 2530551.8/44

- sign 942.875+/-0.207 χ^2/NDF: 1179223.2/22

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.015+/-758.495 χ^2/NDF:2.6/5

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

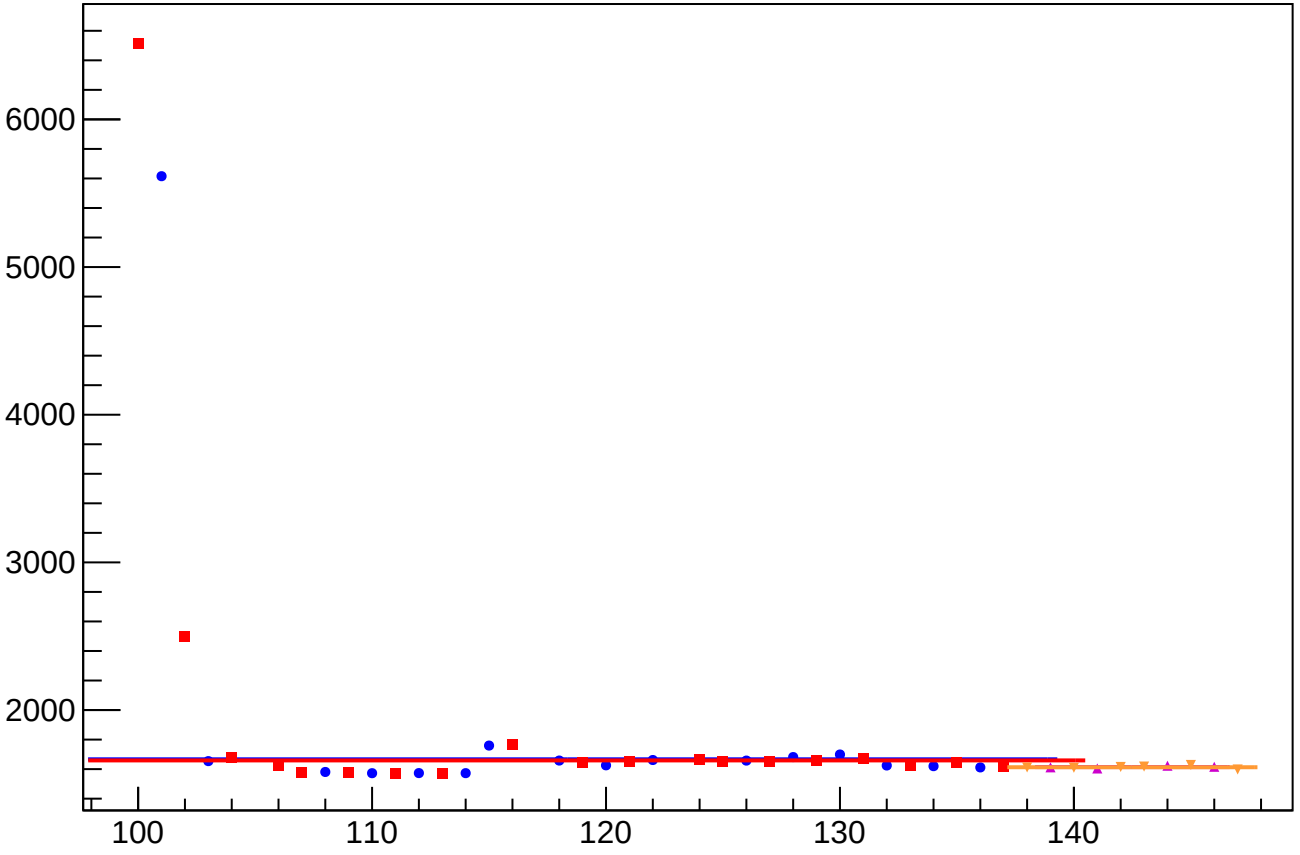
Left In: -4370.091+/-858.536 χ^2/NDF:1.3/3

+ sign 2136.721+/-486.385 χ^2/NDF: 17.5/21

All: -404.453+/-349.086 χ^2/NDF: 88.9/44

- sign -3104.061+/-501.318 χ^2/NDF: 15.1/22

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

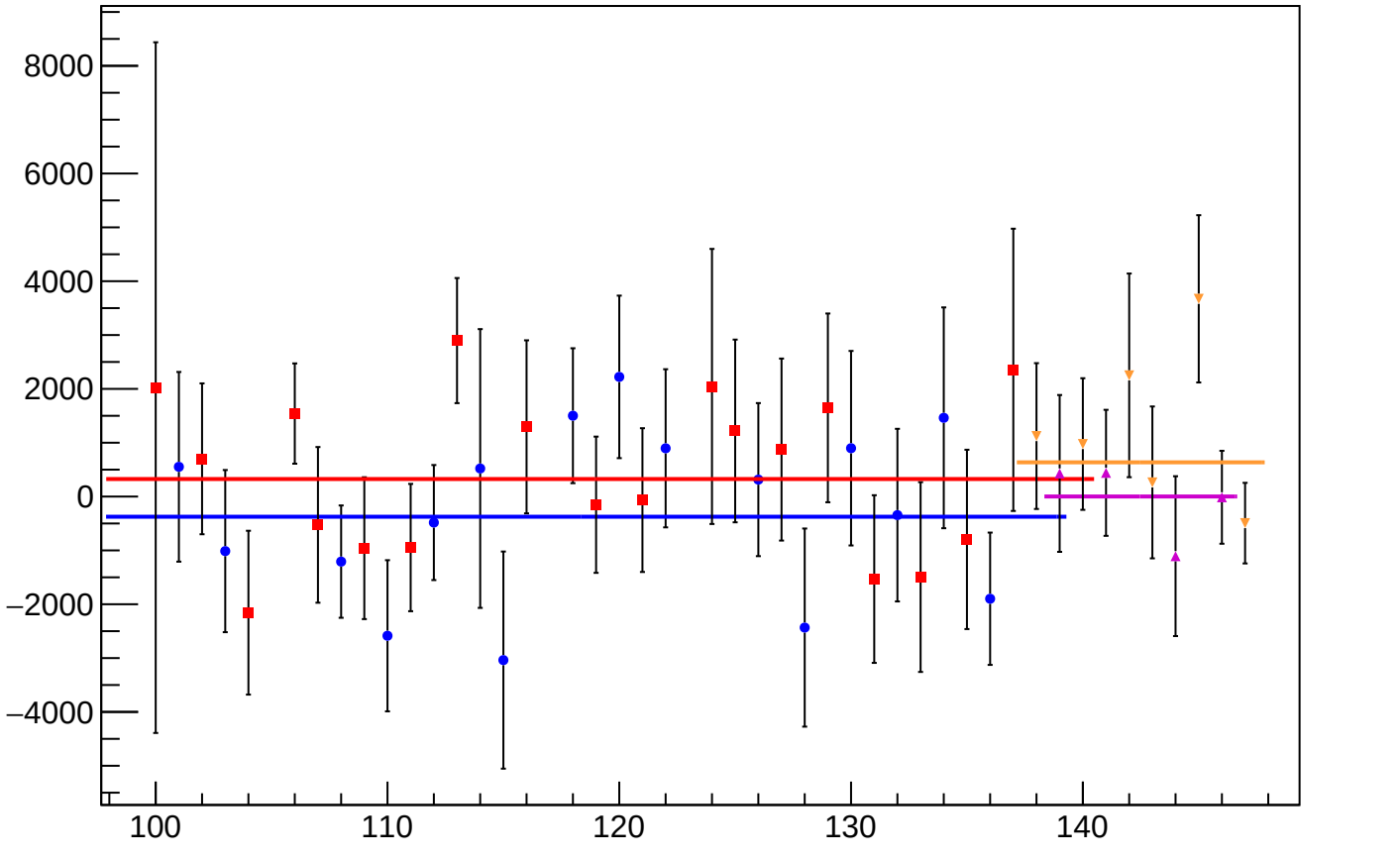
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

+ sign 1644.340+/-0.344 χ^2/NDF: 669121.7/21

All: 1644.002+/-0.247 χ^2/NDF: 866099.1/44

- sign 1643.644+/-0.354 χ^2/NDF: 196975.4/22



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 635.812+/-488.167 χ^2/NDF:7.1/5

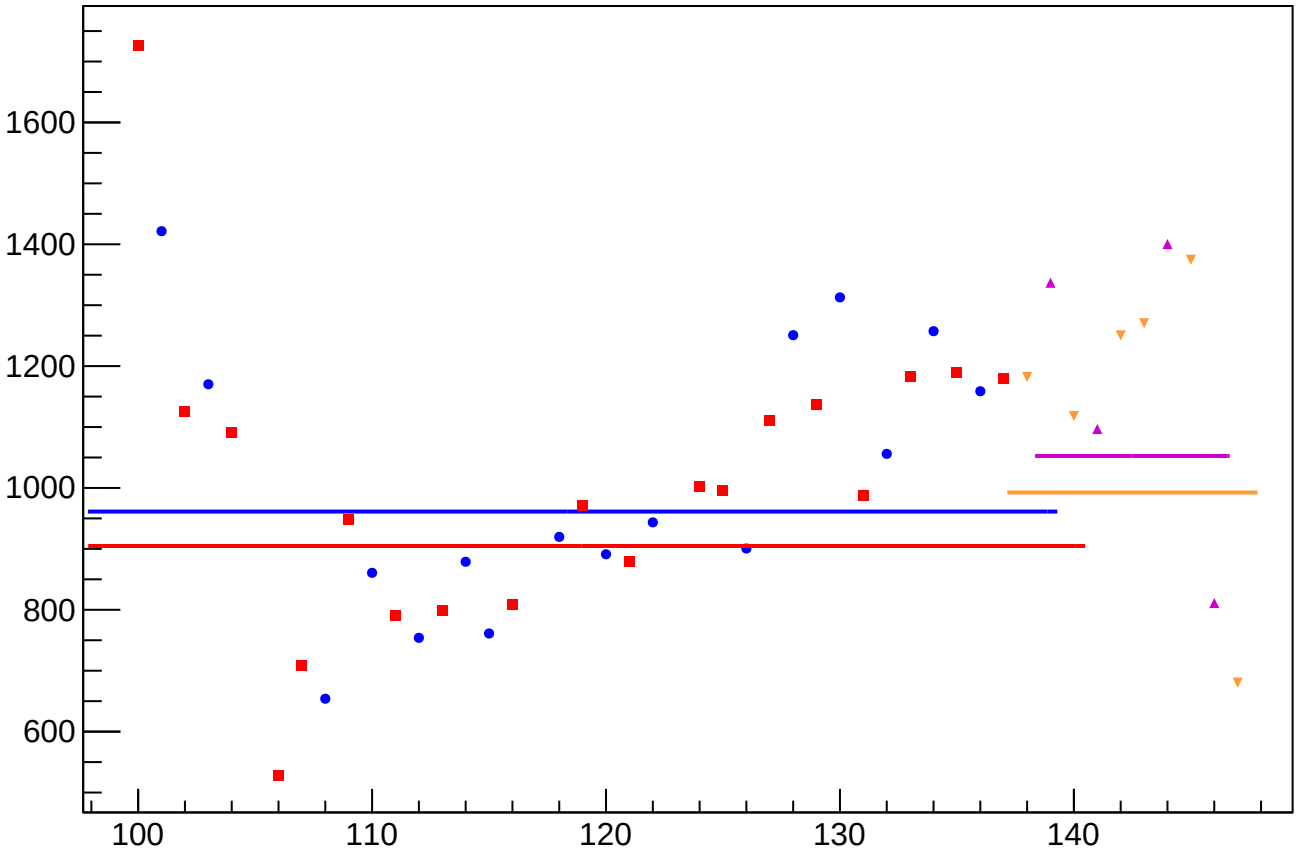
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 1.385+/-577.505 χ^2/NDF:0.8/3

+ sign -8.536+/-293.828 χ^2/NDF: 25.6/21

All: 116.907+/-207.613 χ^2/NDF: 44.3/44

- sign 241.974+/-293.389 χ^2/NDF: 18.4/22



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 992.559+/-0.345 χ^2/NDF:643964.7/5

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

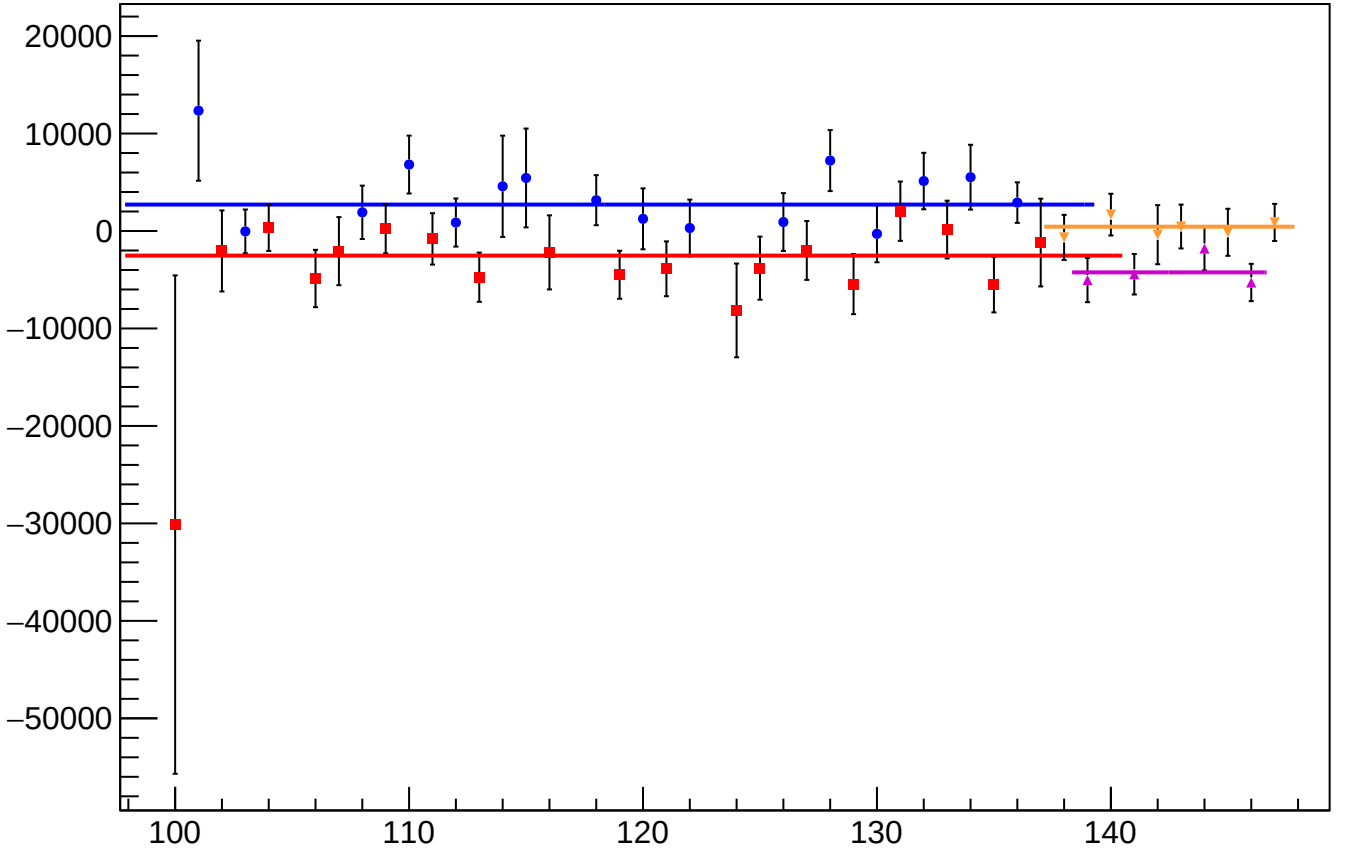
Left In: 1052.507+/-0.408 χ^2/NDF:345592.2/3

+ sign 972.586+/-0.208 χ^2/NDF: 1341098.3/21

All: 957.707+/-0.147 χ^2/NDF: 2530567.1/44

- sign 942.873+/-0.207 χ^2/NDF: 1179227.7/22

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 442.891+/-928.764 χ^2/NDF:0.7/5

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

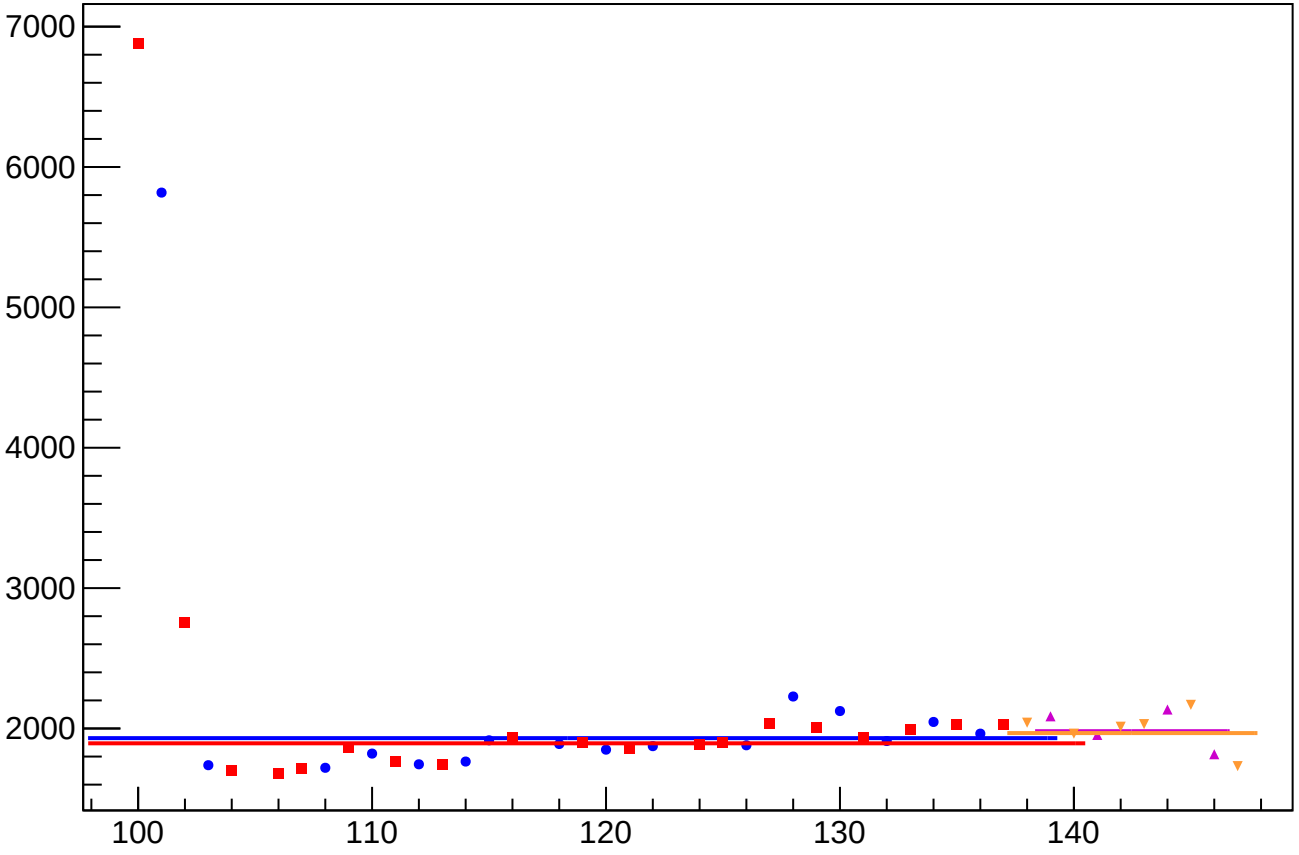
Left In: -4245.045+/-1056.677 χ^2/NDF:1.6/3

+ sign 1837.670+/-576.398 χ^2/NDF: 16.5/21

All: -563.713+/-411.371 χ^2/NDF: 68.6/44

- sign -3056.693+/-587.288 χ^2/NDF: 16.7/22

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1967.278+/-0.657 χ^2/NDF:48626.5/5

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

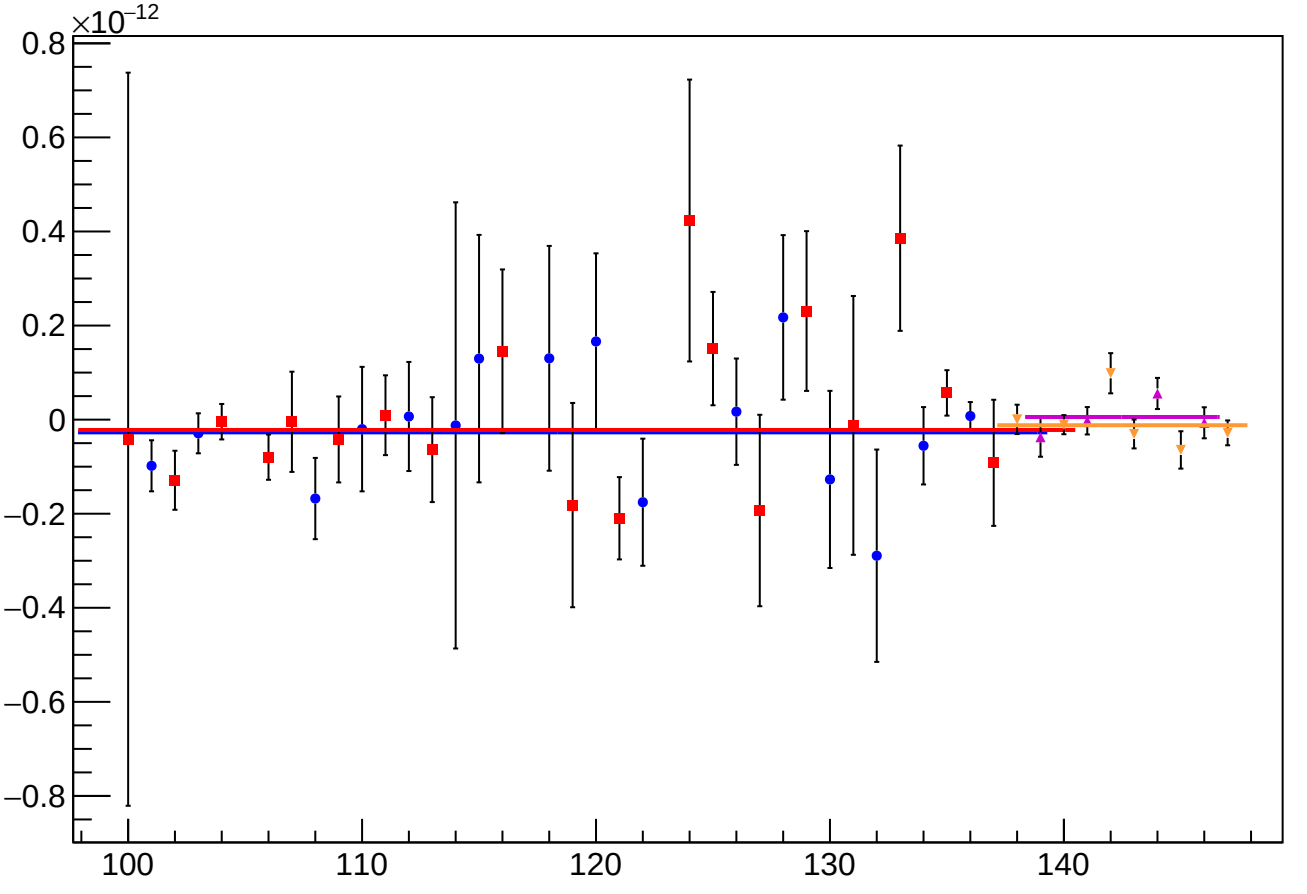
Left In: 1980.722+/-0.747 χ^2/NDF:28806.6/3

+ sign 1945.127+/-0.408 χ^2/NDF: 711704.0/21

All: 1933.304+/-0.291 χ^2/NDF: 972002.1/44

- sign 1921.030+/-0.415 χ^2/NDF: 258583.0/22

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:9.3/5

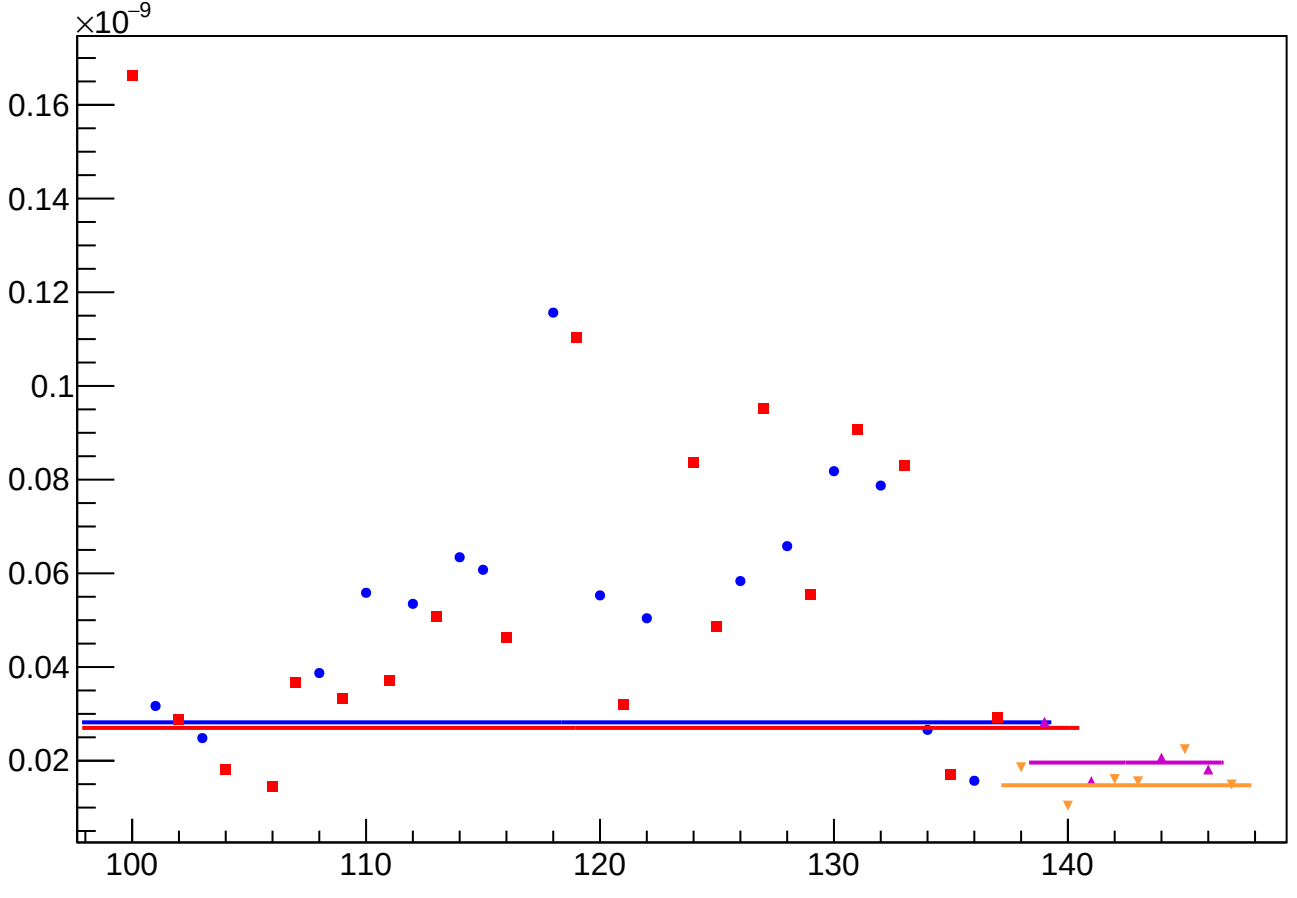
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/21

All: -0.000+/-0.000 χ^2/NDF: 53.1/44

- sign -0.000+/-0.000 χ^2/NDF: 30.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200651.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

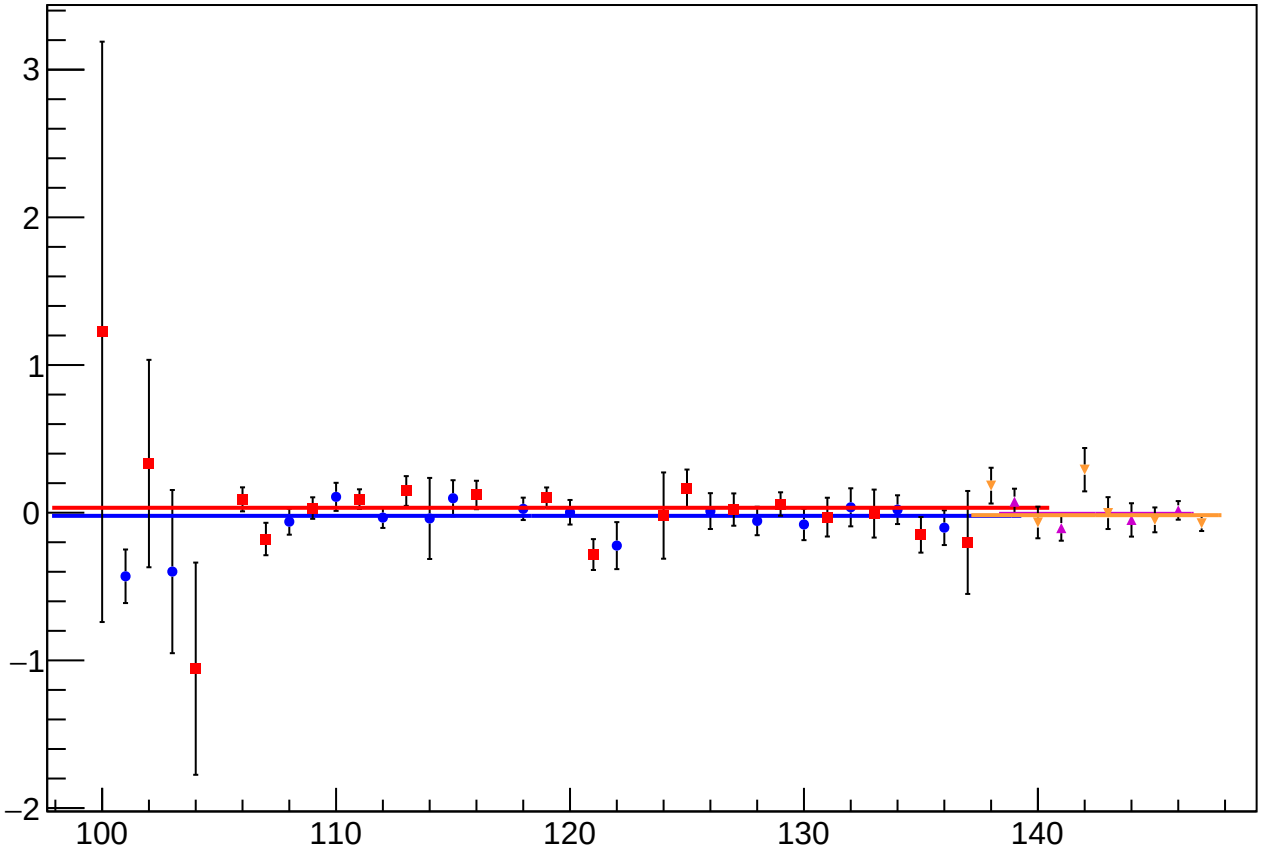
Left In: 0.000+/-0.000 χ^2/NDF:130535.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2401841.5/21

All: 0.000+/-0.000 χ^2/NDF: 4396356.7/44

- sign 0.000+/-0.000 χ^2/NDF: 1854236.0/22

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: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

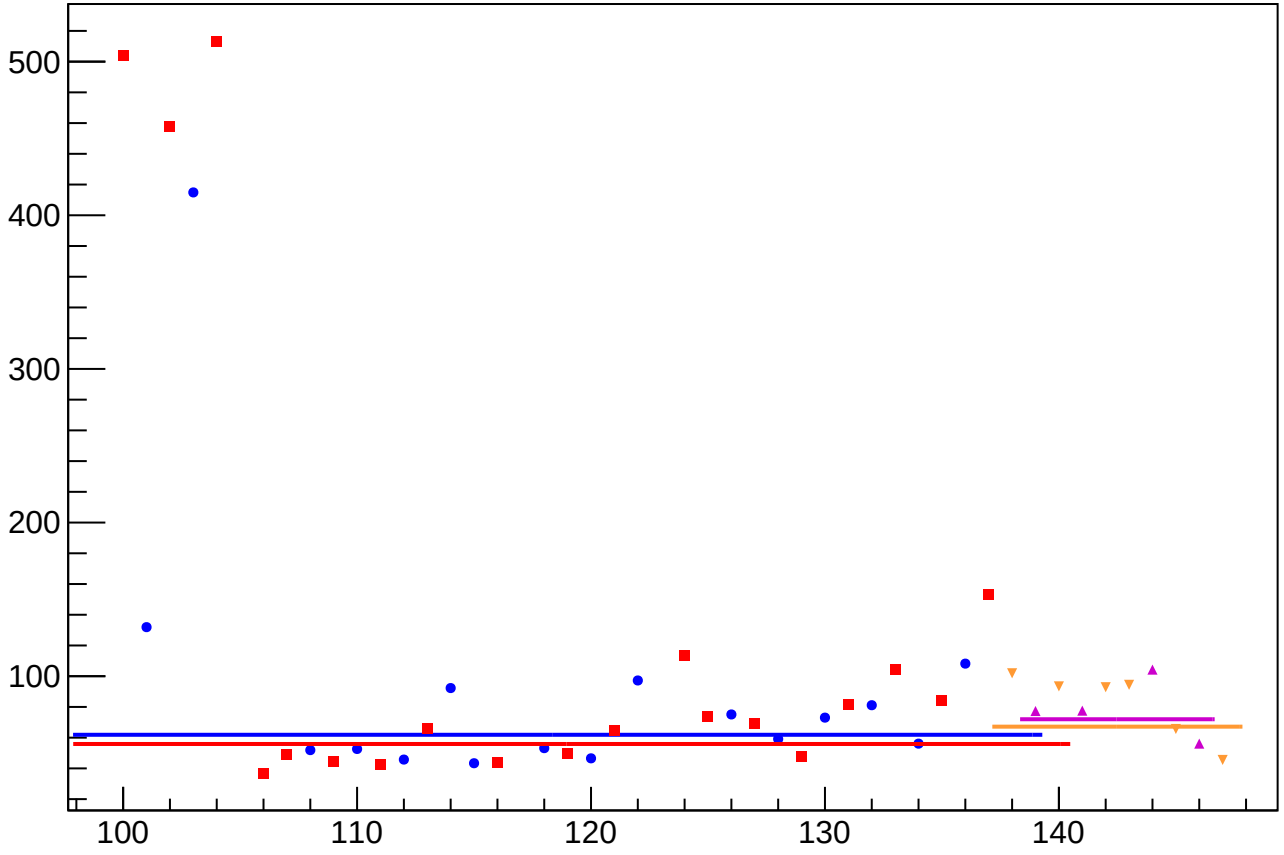
Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.002+/-0.015 χ^2/NDF: 50.2/44

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22

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: 67.167+/-0.025 χ^2/NDF:819323.5/5

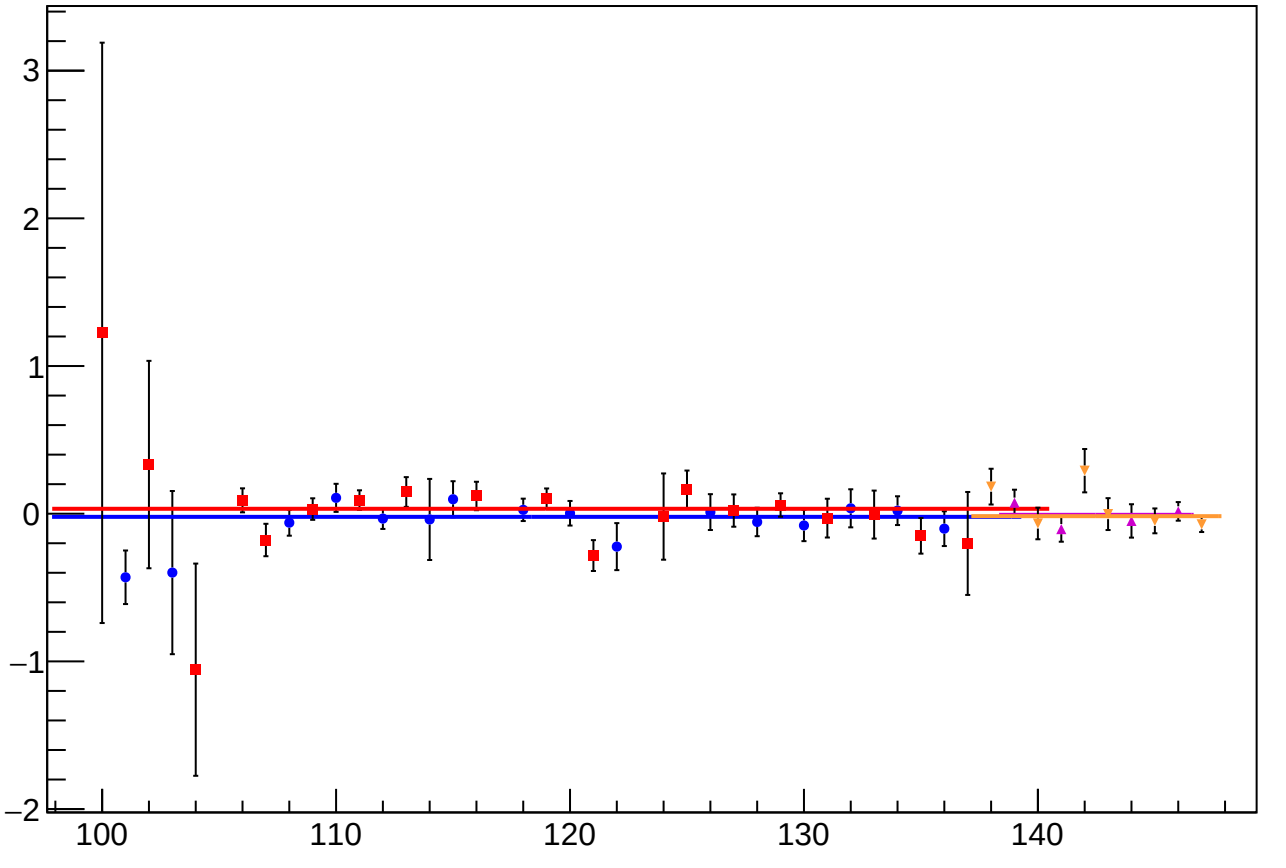
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

+ sign 63.780+/-0.015 χ^2/NDF: 2785847.5/21

All: 61.953+/-0.011 χ^2/NDF: 5940003.8/44

- sign 60.156+/-0.015 χ^2/NDF: 3124828.1/22



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.035 χ^2/NDF:8.6/5

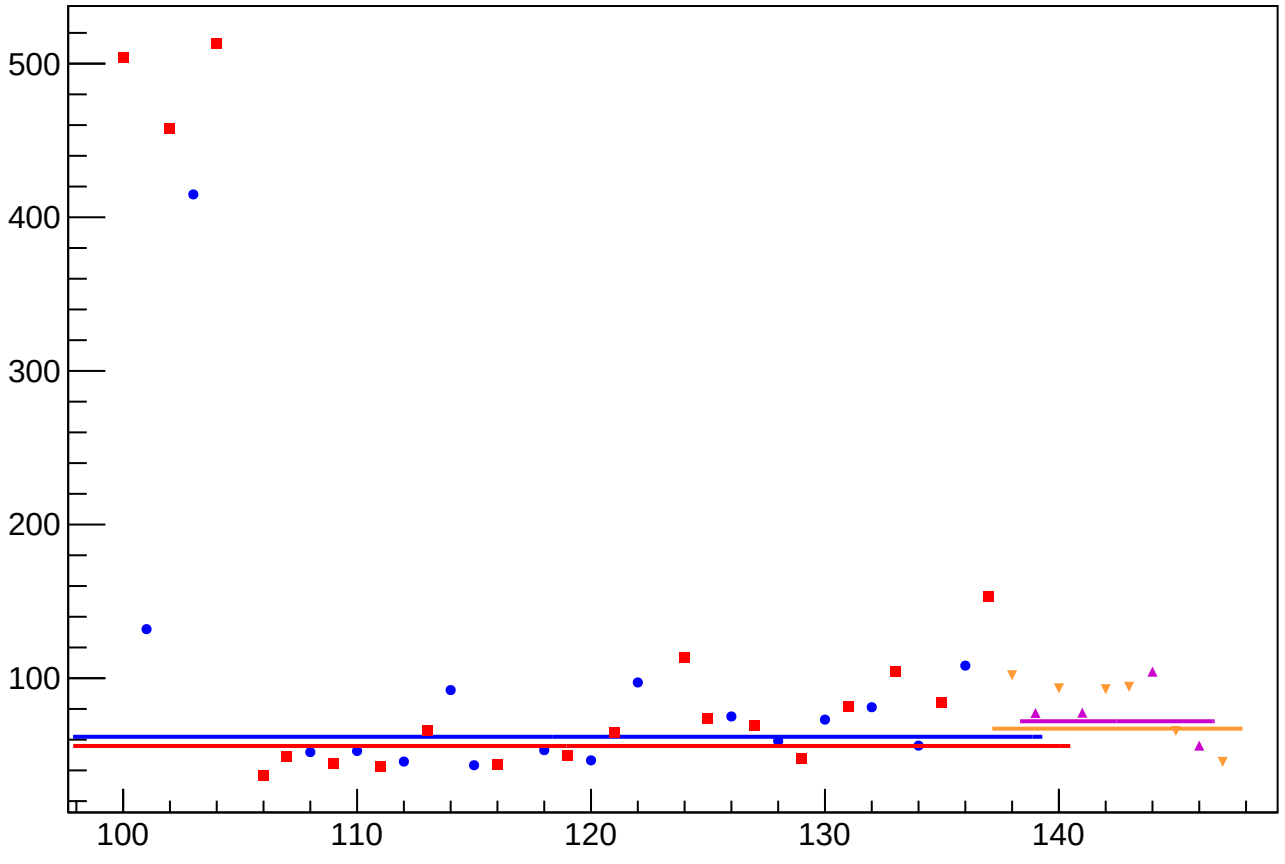
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.002+/-0.015 χ^2/NDF: 50.2/44

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

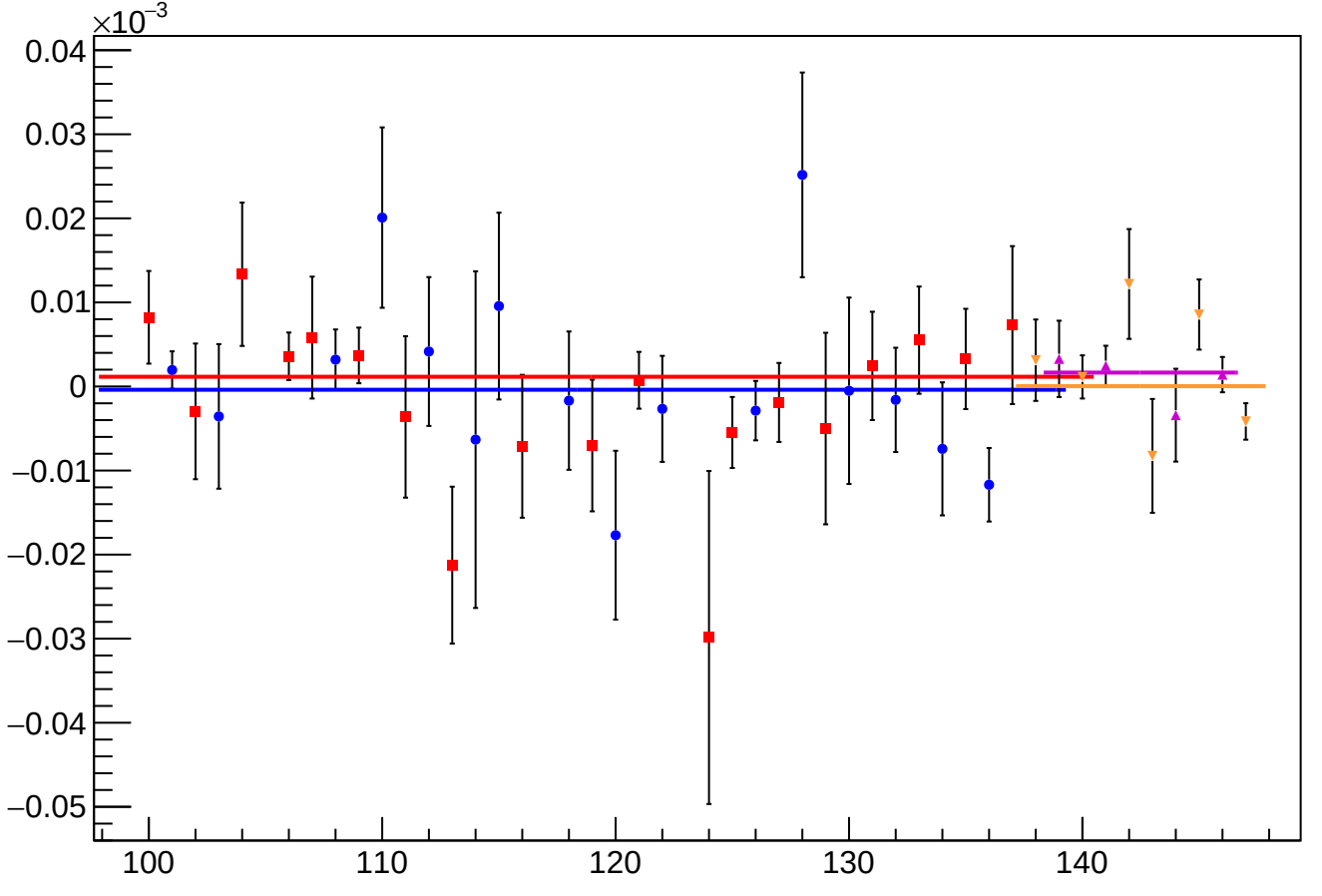
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

+ sign 63.780+/-0.015 χ^2/NDF: 2785847.5/21

All: 61.953+/-0.011 χ^2/NDF: 5940003.8/44

- sign 60.156+/-0.015 χ^2/NDF: 3124828.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/5

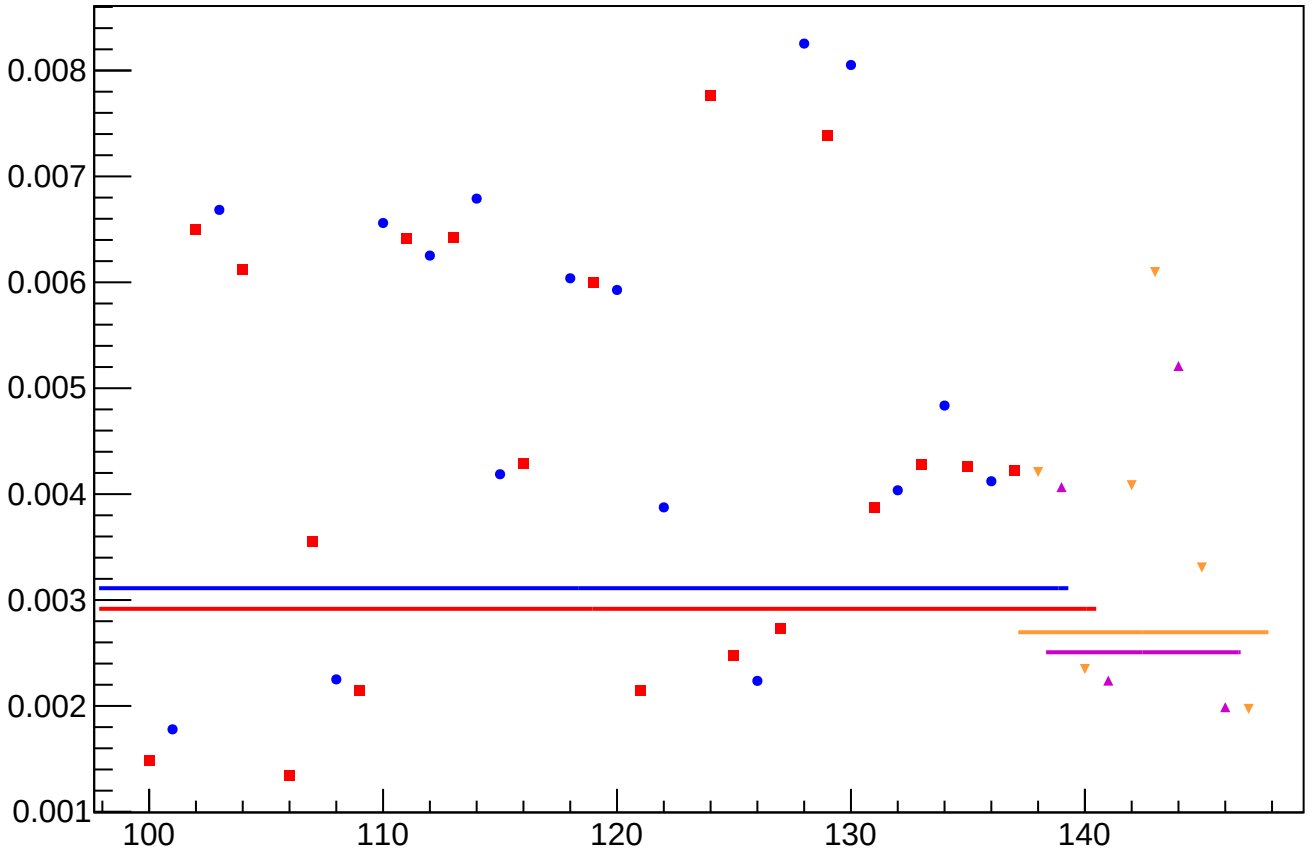
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 36.1/21

All: 0.000+/-0.000 χ^2/NDF: 59.0/44

- sign 0.000+/-0.000 χ^2/NDF: 21.6/22



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1092376.0/5

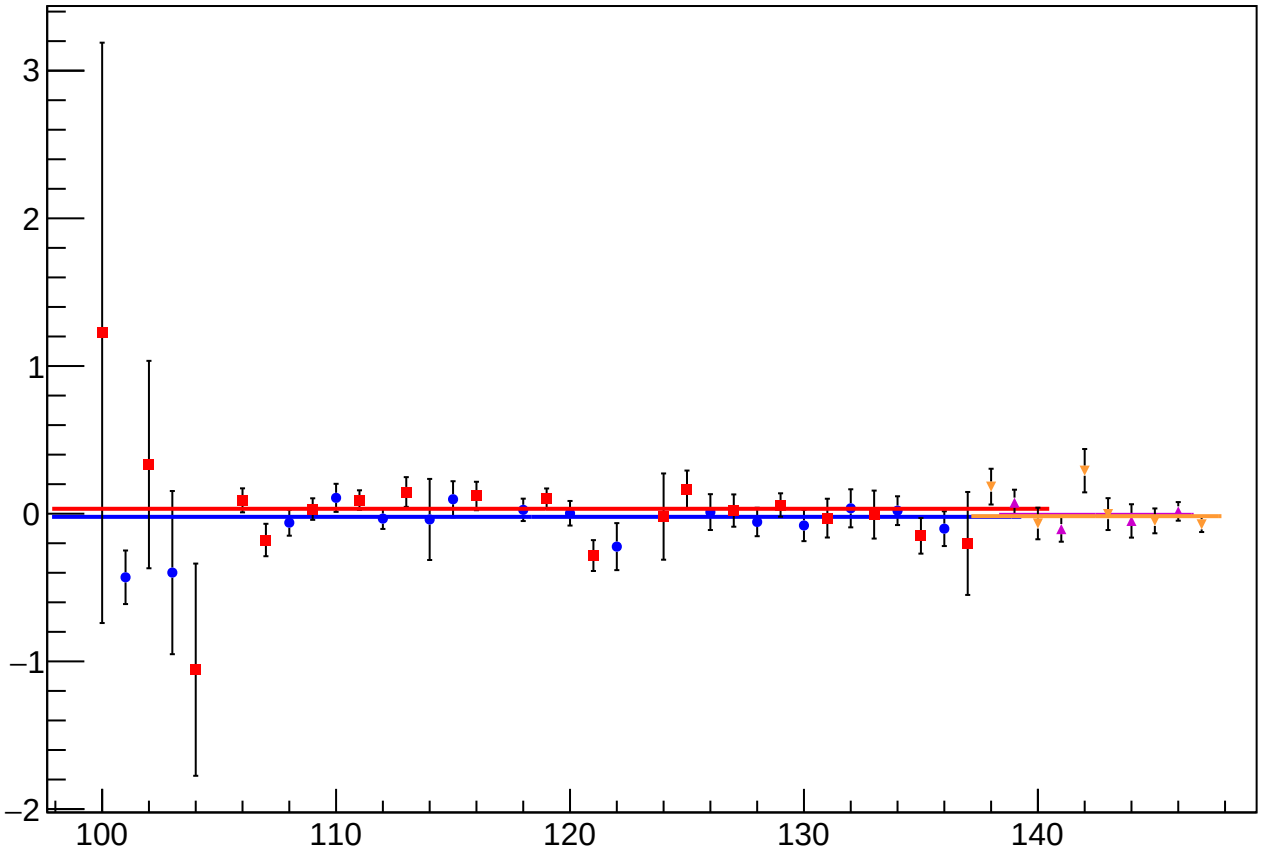
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862193.8/3

+ sign 0.003+/-0.000 χ^2/NDF: 4468945.1/21

All: 0.003+/-0.000 χ^2/NDF: 8752438.7/44

- sign 0.003+/-0.000 χ^2/NDF: 4250239.8/22



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

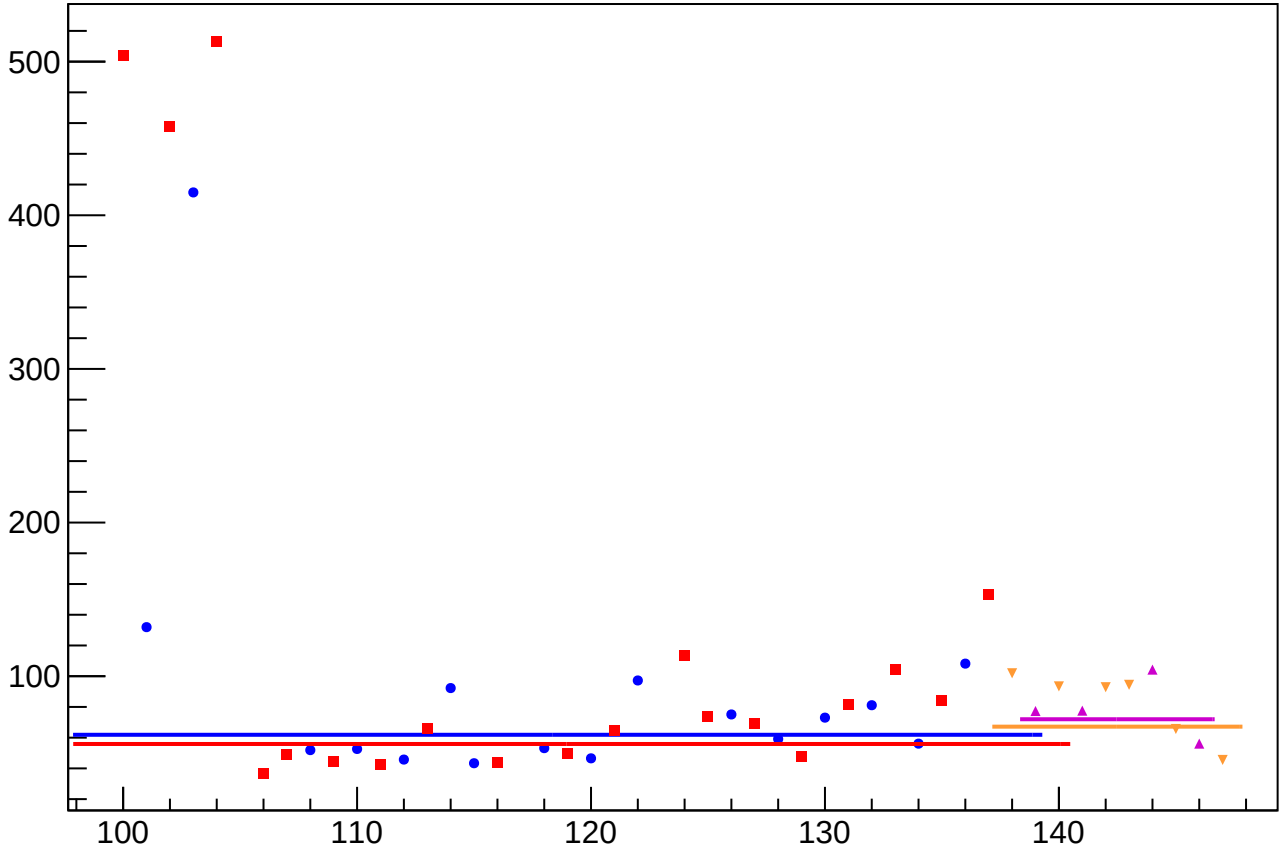
Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.002+/-0.015 χ^2/NDF: 50.2/44

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 67.167+/-0.025 χ^2/NDF:819338.0/5

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

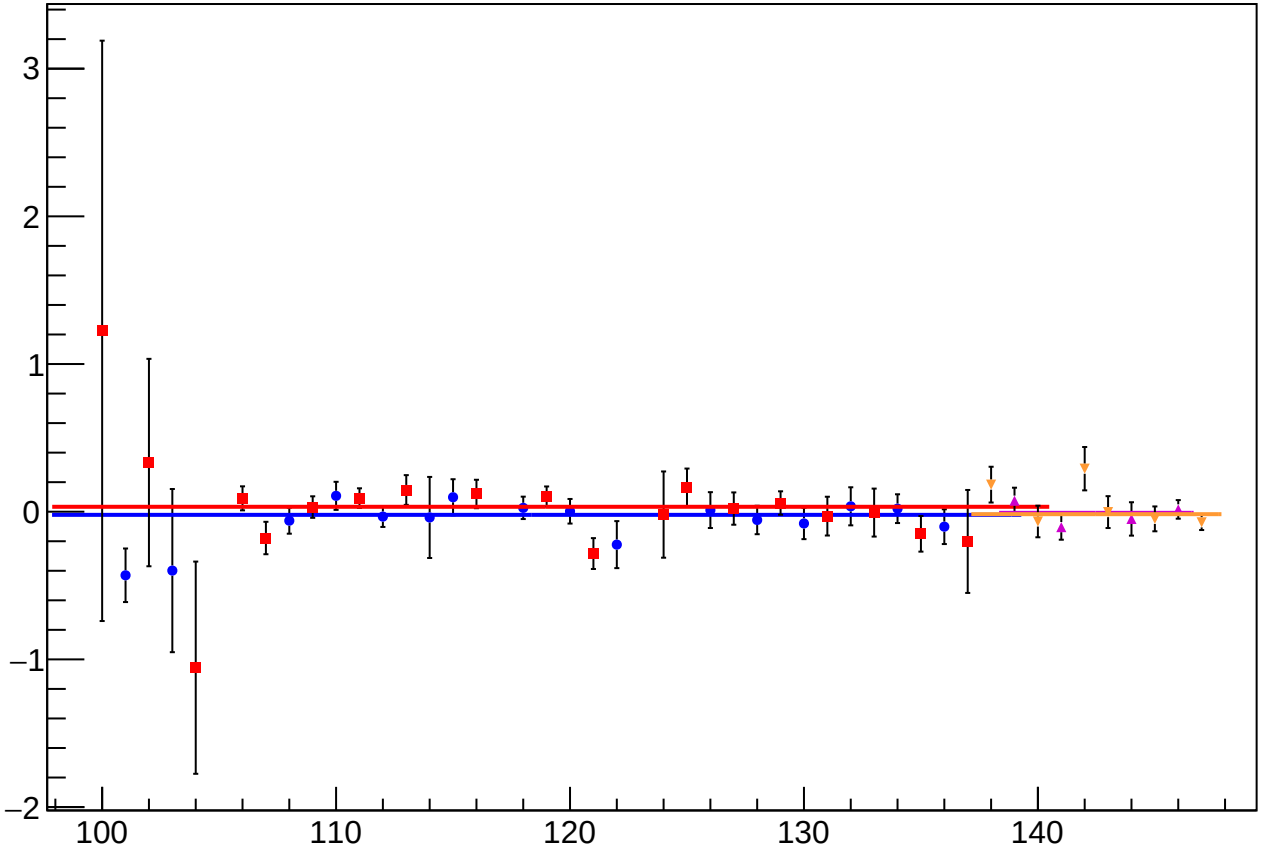
Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

+ sign 63.780+/-0.015 χ^2/NDF: 2785818.1/21

All: 61.953+/-0.011 χ^2/NDF: 5939971.3/44

- sign 60.155+/-0.015 χ^2/NDF: 3124821.0/22

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.035 χ^2/NDF:8.6/5

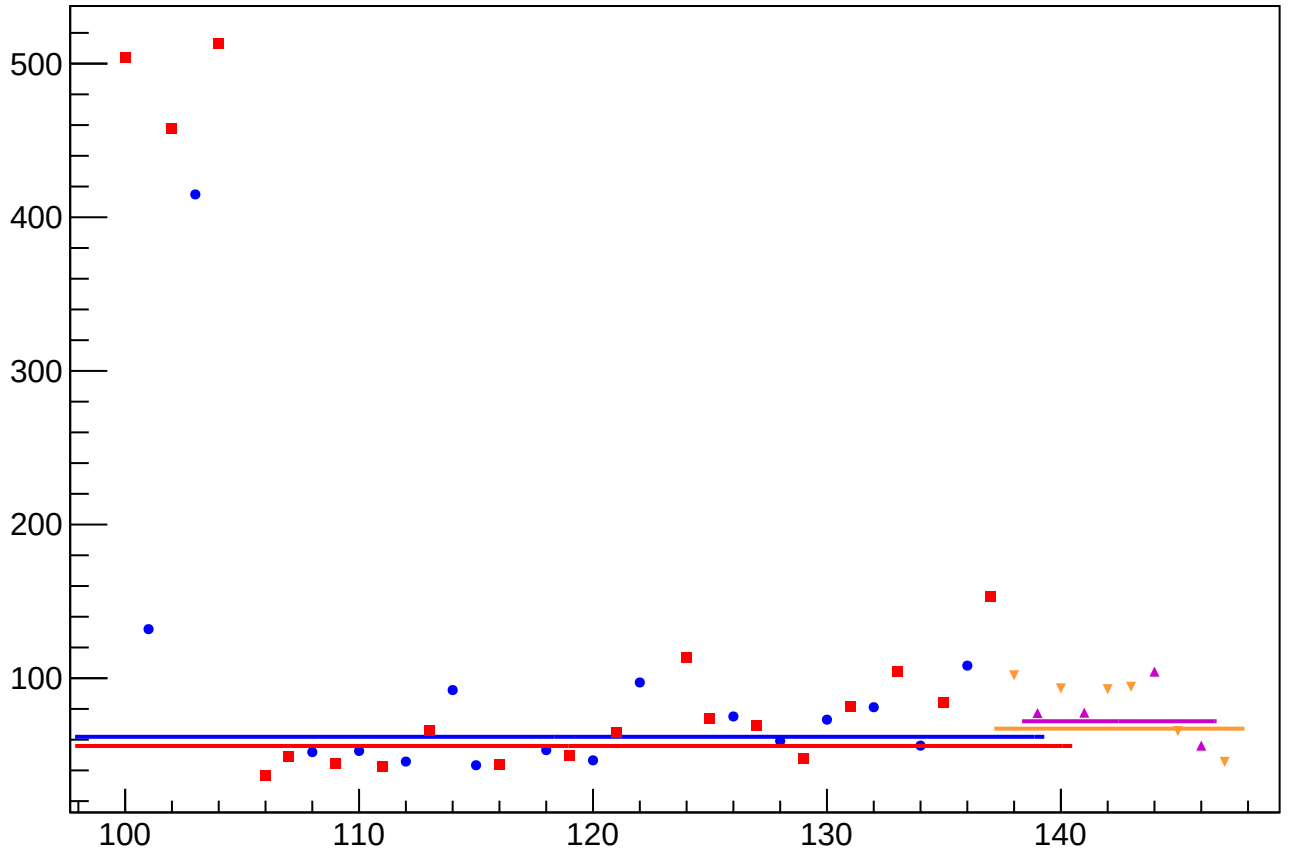
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.002+/-0.015 χ^2/NDF: 50.2/44

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 67.167+/-0.025 χ^2/NDF:819338.0/5

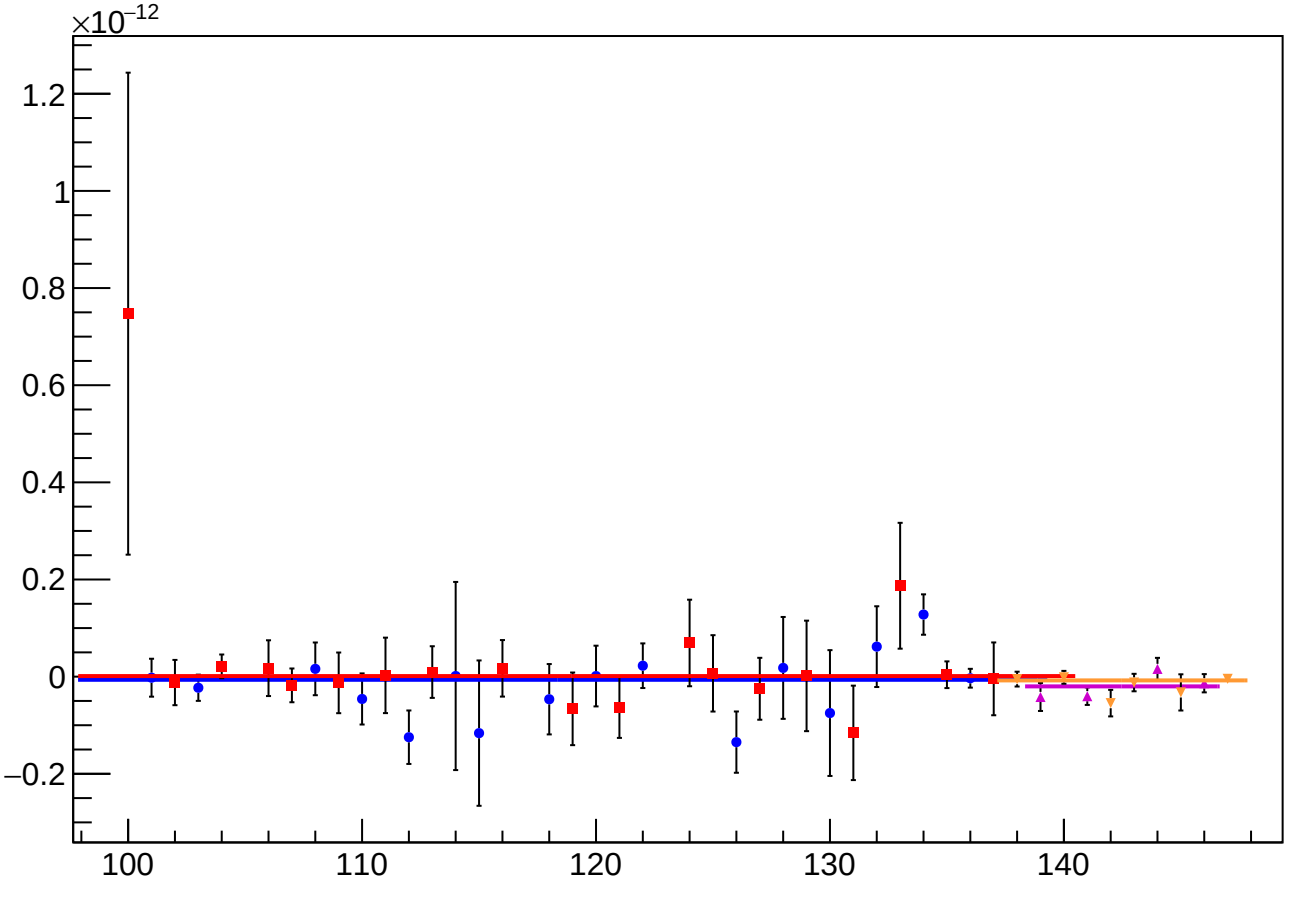
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

+ sign 63.780+/-0.015 χ^2/NDF: 2785818.1/21

All: 61.953+/-0.011 χ^2/NDF: 5939971.3/44

- sign 60.155+/-0.015 χ^2/NDF: 3124821.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

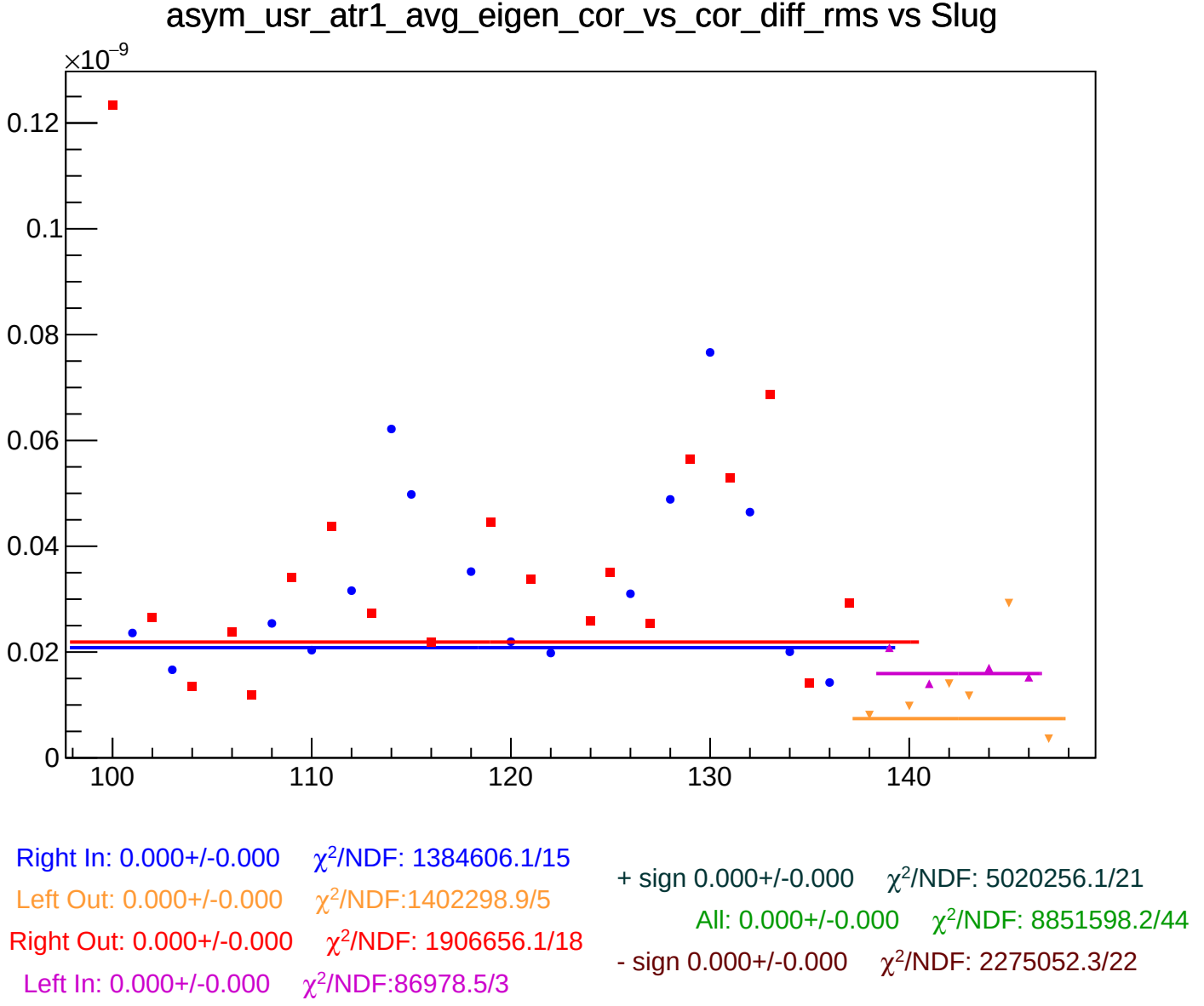
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/3

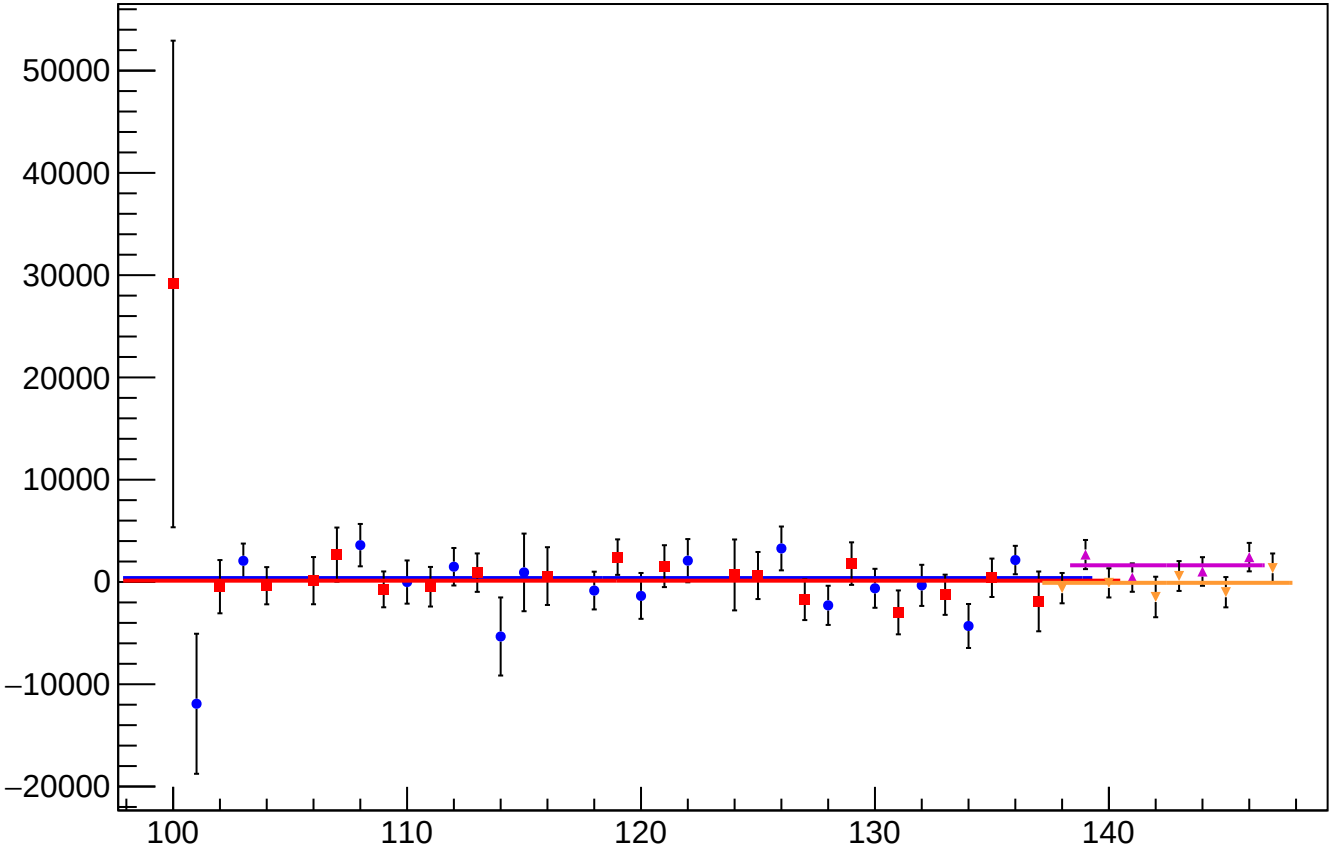
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.5/44

- sign -0.000+/-0.000 χ^2/NDF: 15.9/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1402298.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:86978.5/3
+ sign 0.000+/-0.000 χ²/NDF: 5020256.1/21
All: 0.000+/-0.000 χ²/NDF: 8851598.2/44
- sign 0.000+/-0.000 χ²/NDF: 2275052.3/22

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.519+/-618.311 χ^2/NDF:2.2/5

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

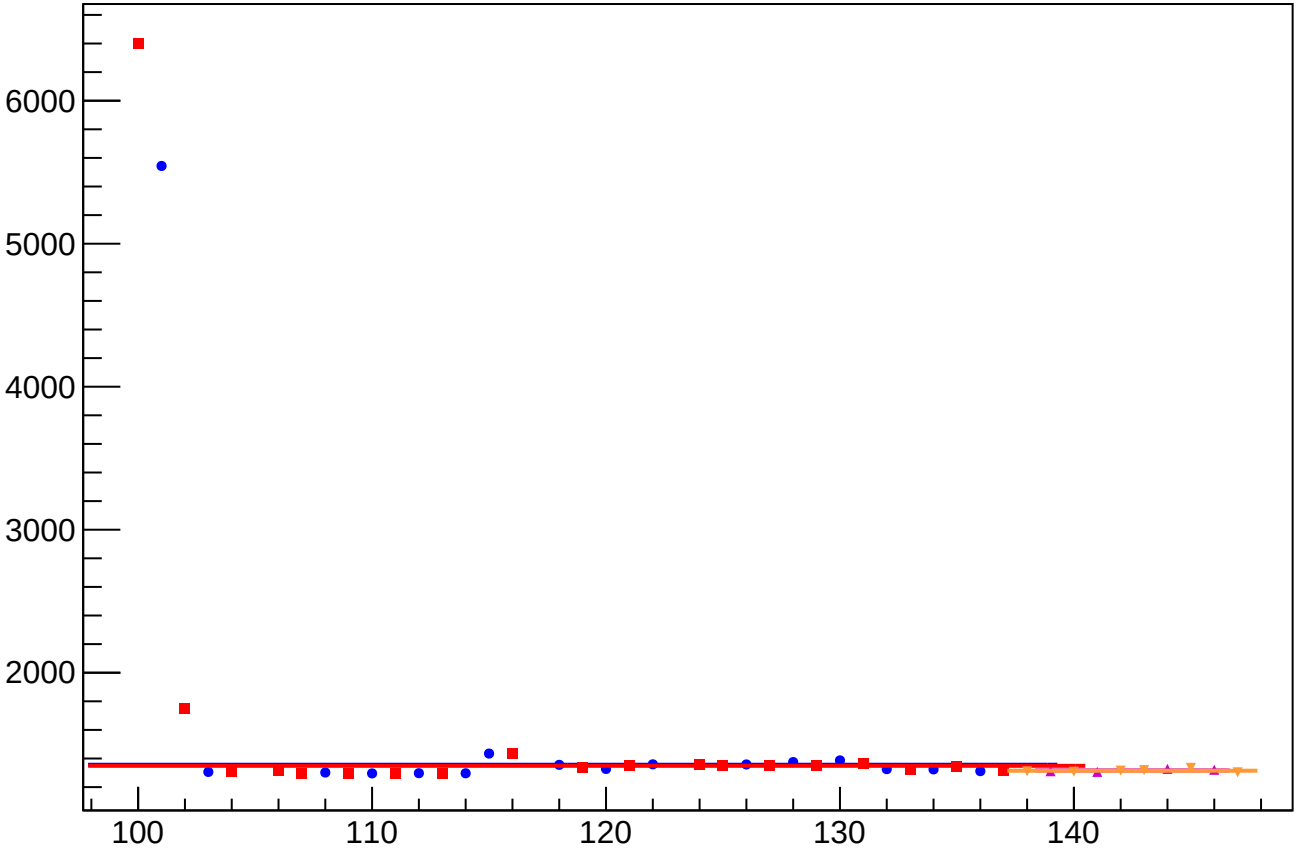
Left In: 1630.693+/-700.429 χ^2/NDF:1.8/3

+ sign 190.171+/-396.977 χ^2/NDF: 24.1/21

All: 407.525+/-284.347 χ^2/NDF: 39.5/44

- sign 636.536+/-407.483 χ^2/NDF: 14.8/22

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

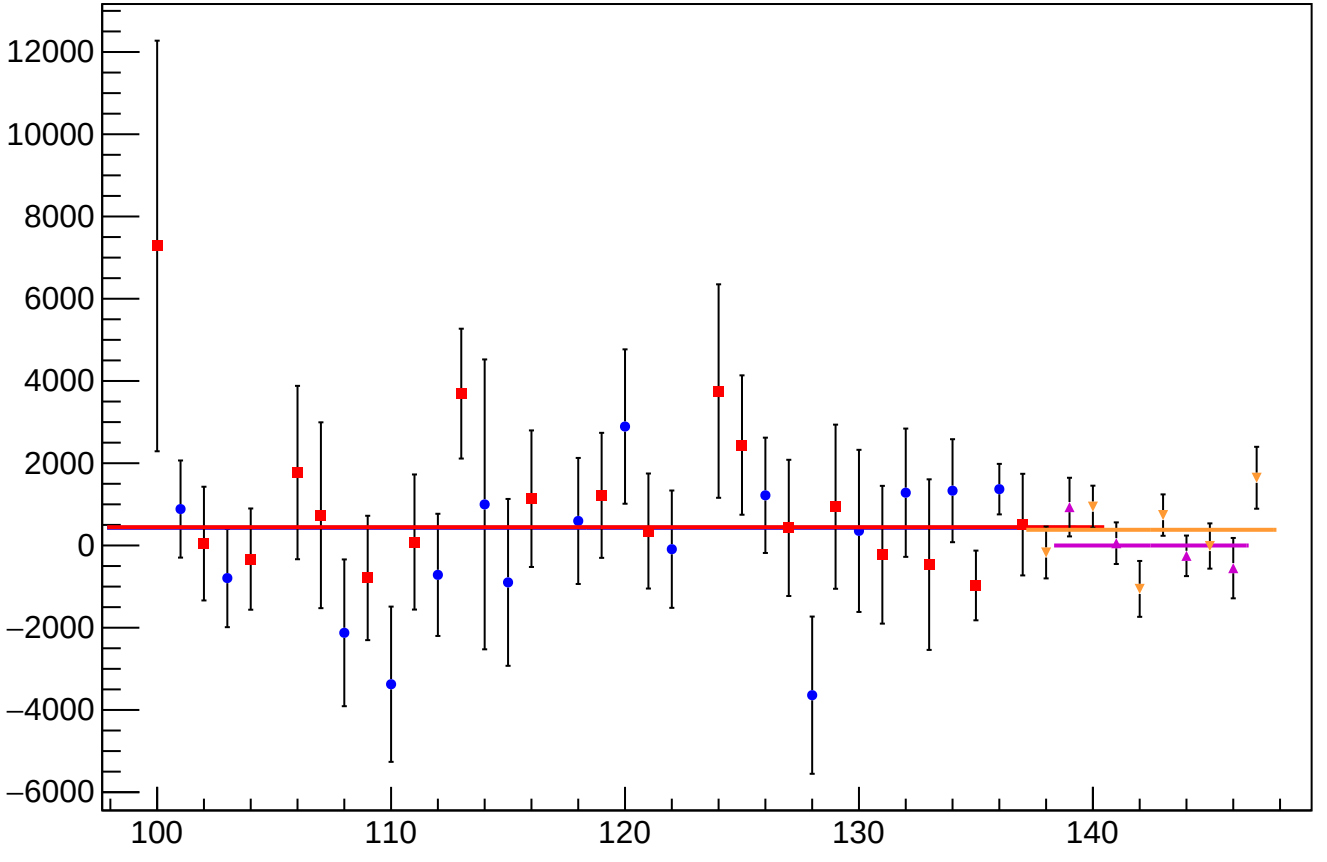
Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.9/21

All: 1338.650+/-0.201 χ^2/NDF: 916539.3/44

- sign 1338.071+/-0.288 χ^2/NDF: 150344.5/22

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 381.014+/-238.752 χ^2/NDF:10.3/5

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

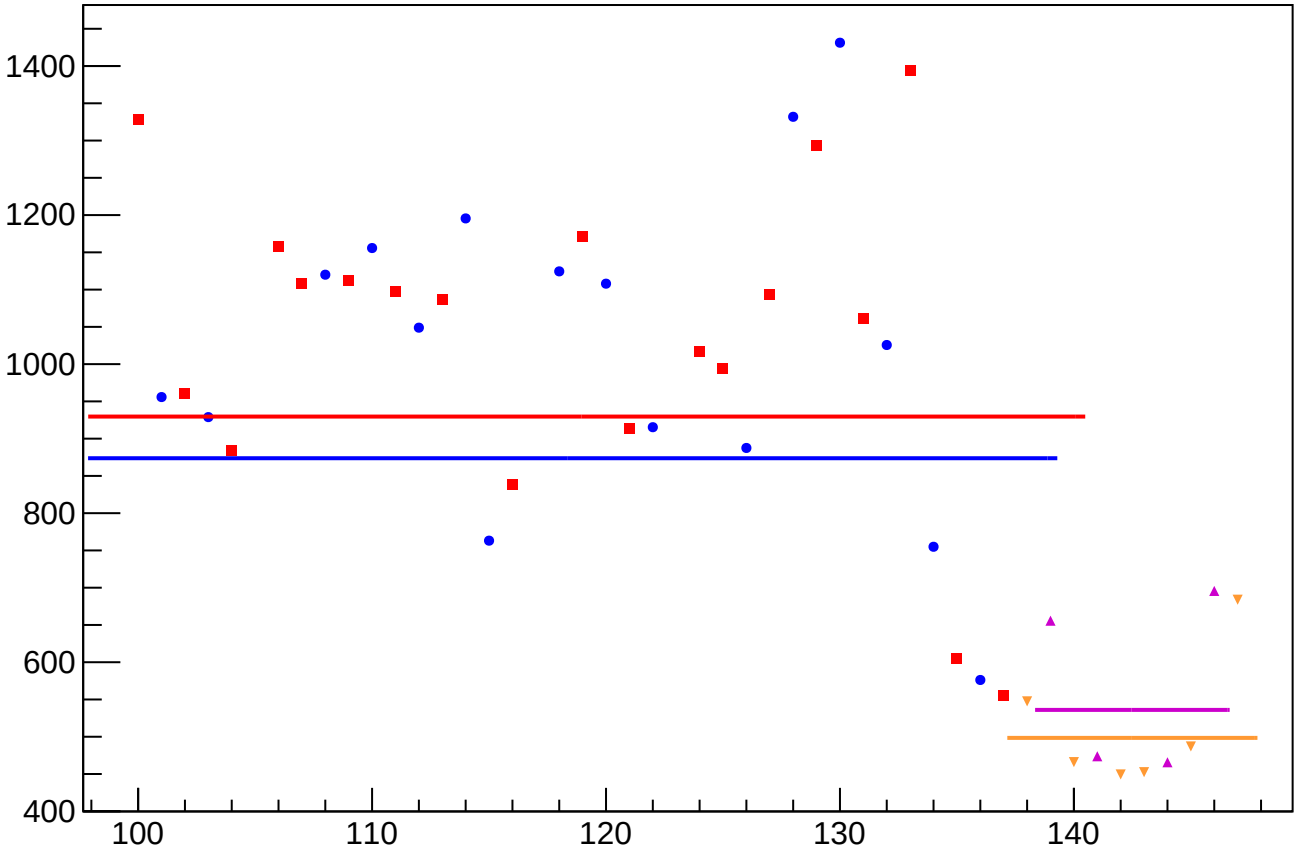
Left In: -0.691+/-290.637 χ^2/NDF:2.6/3

+ sign 397.411+/-195.096 χ^2/NDF: 28.6/21

All: 303.101+/-147.411 χ^2/NDF: 47.0/44

- sign 177.625+/-225.035 χ^2/NDF: 17.9/22

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 498.469+/-0.169 χ^2/NDF:169588.3/5

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

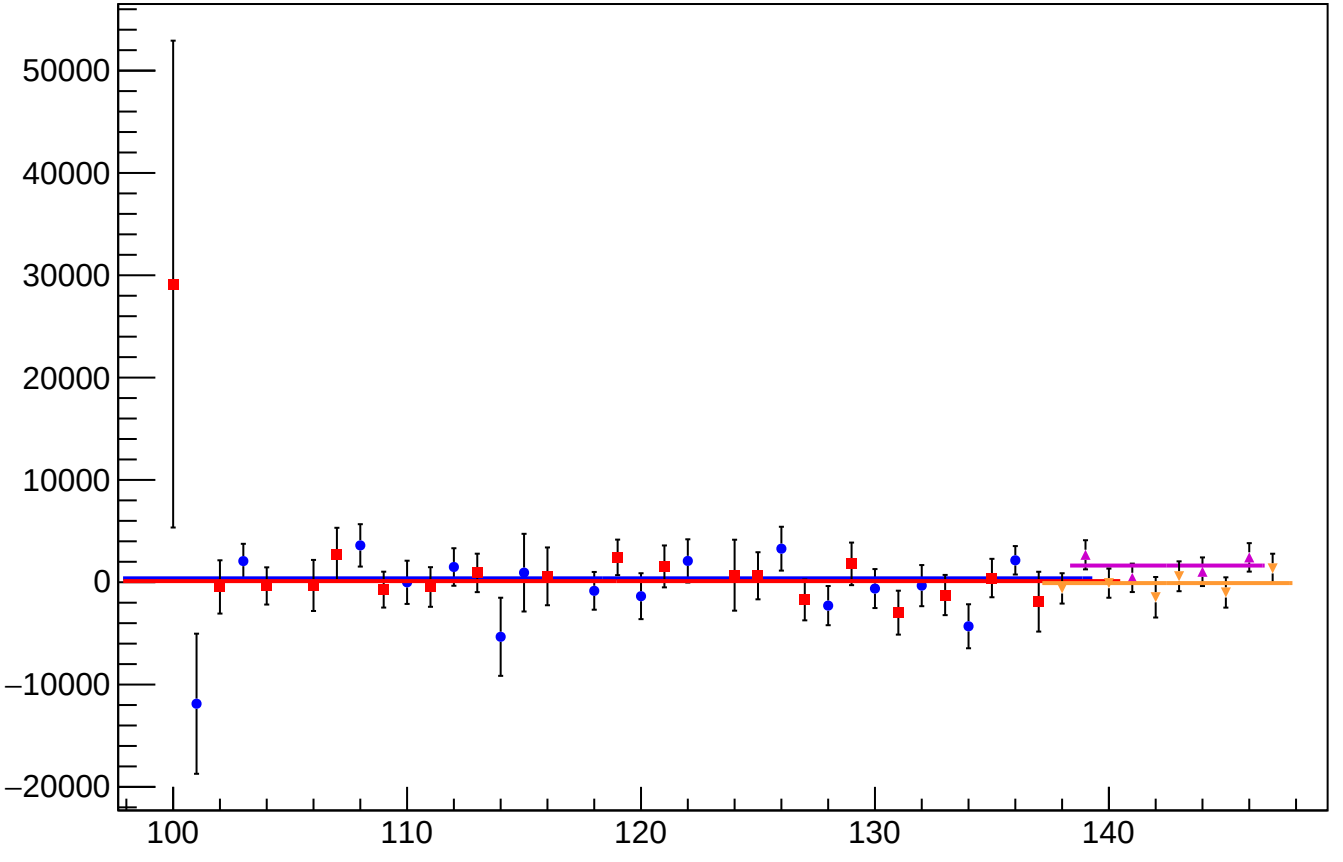
Left In: 536.018+/-0.206 χ^2/NDF:221824.0/3

+ sign 623.156+/-0.138 χ^2/NDF: 2826152.1/21

All: 653.408+/-0.104 χ^2/NDF: 5489142.5/44

- sign 693.658+/-0.159 χ^2/NDF: 2550918.8/22

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.594+/-618.311 χ^2/NDF:2.2/5

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

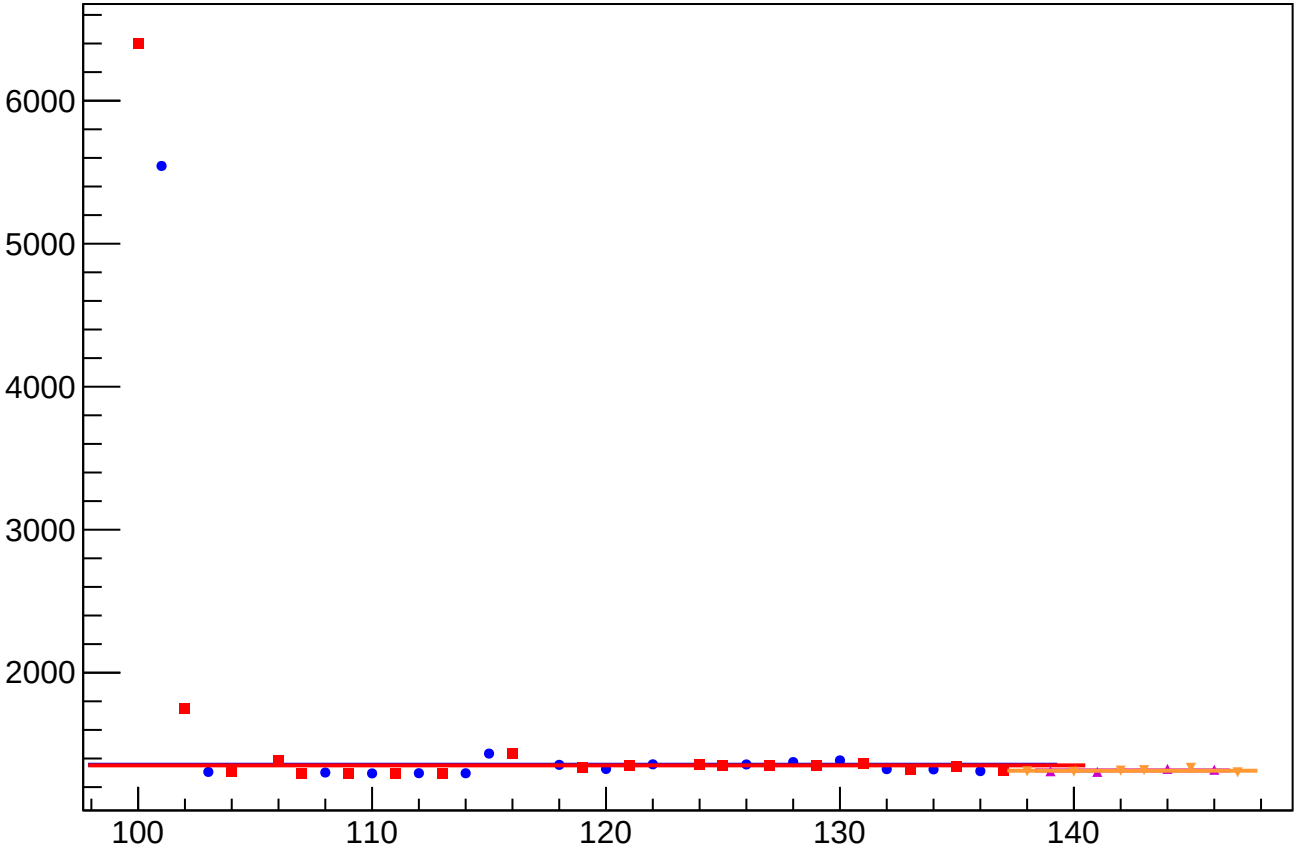
Left In: 1630.756+/-700.429 χ^2/NDF:1.8/3

\+ sign 190.321+/-396.977 χ^2/NDF: 24.0/21

All: 402.567+/-284.658 χ^2/NDF: 39.5/44

\- sign 627.204+/-408.402 χ^2/NDF: 14.9/22

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

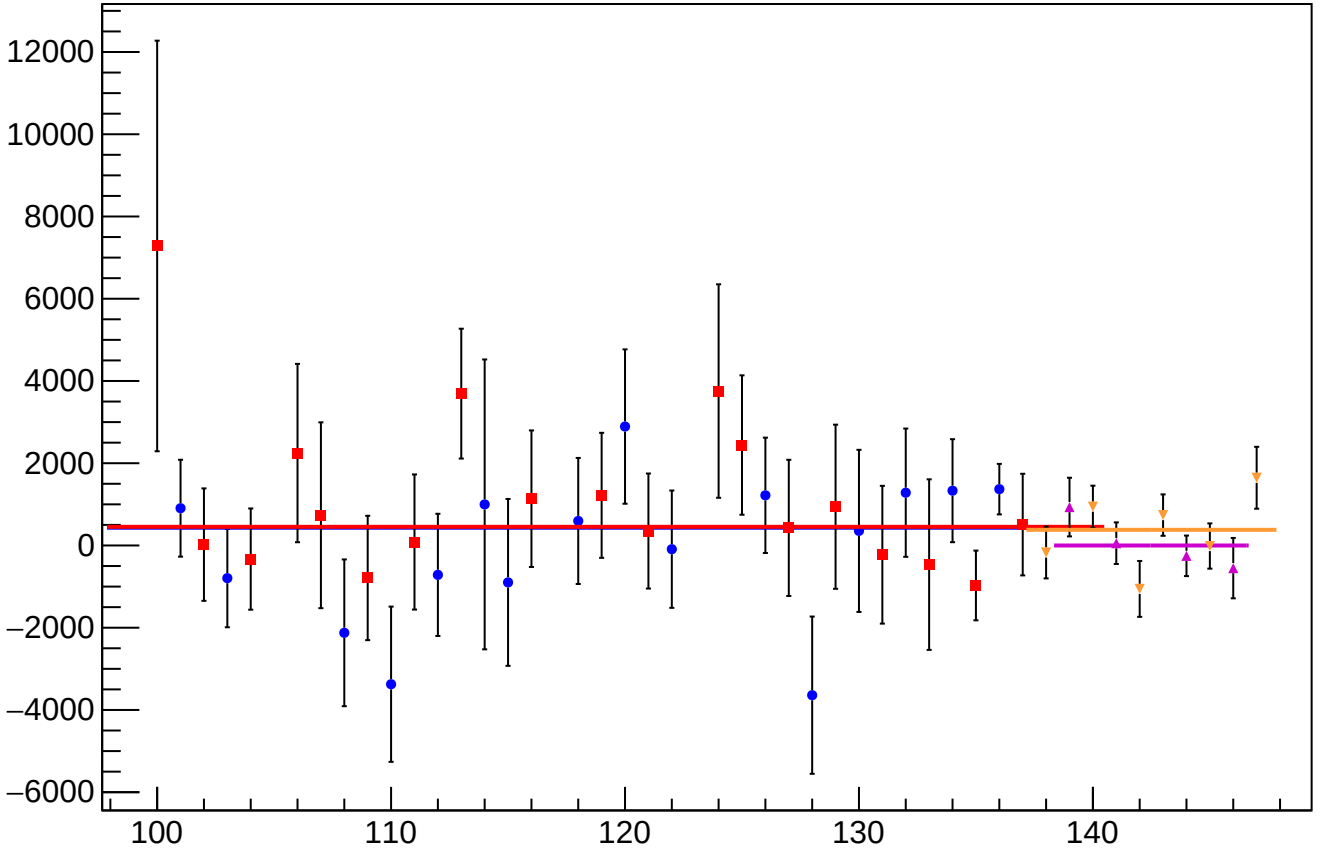
Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.0/21

All: 1339.624+/-0.201 χ^2/NDF: 917154.6/44

- sign 1340.074+/-0.289 χ^2/NDF: 150963.9/22

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

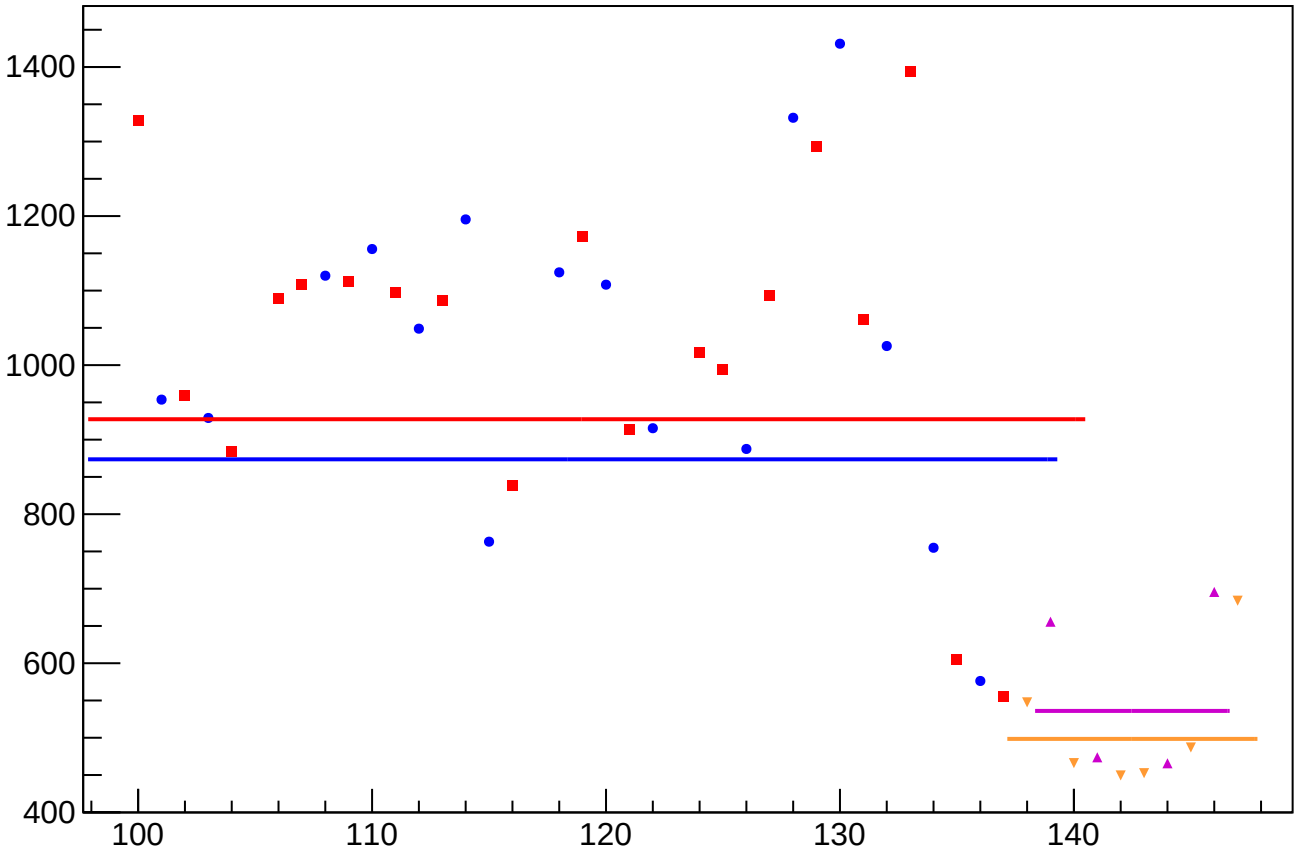
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -0.677+/-290.631 χ^2/NDF:2.6/3

\+ sign 397.913+/-195.086 χ^2/NDF: 28.6/21

All: 304.851+/-147.406 χ^2/NDF: 47.3/44

\- sign 181.024+/-225.033 χ^2/NDF: 18.2/22



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

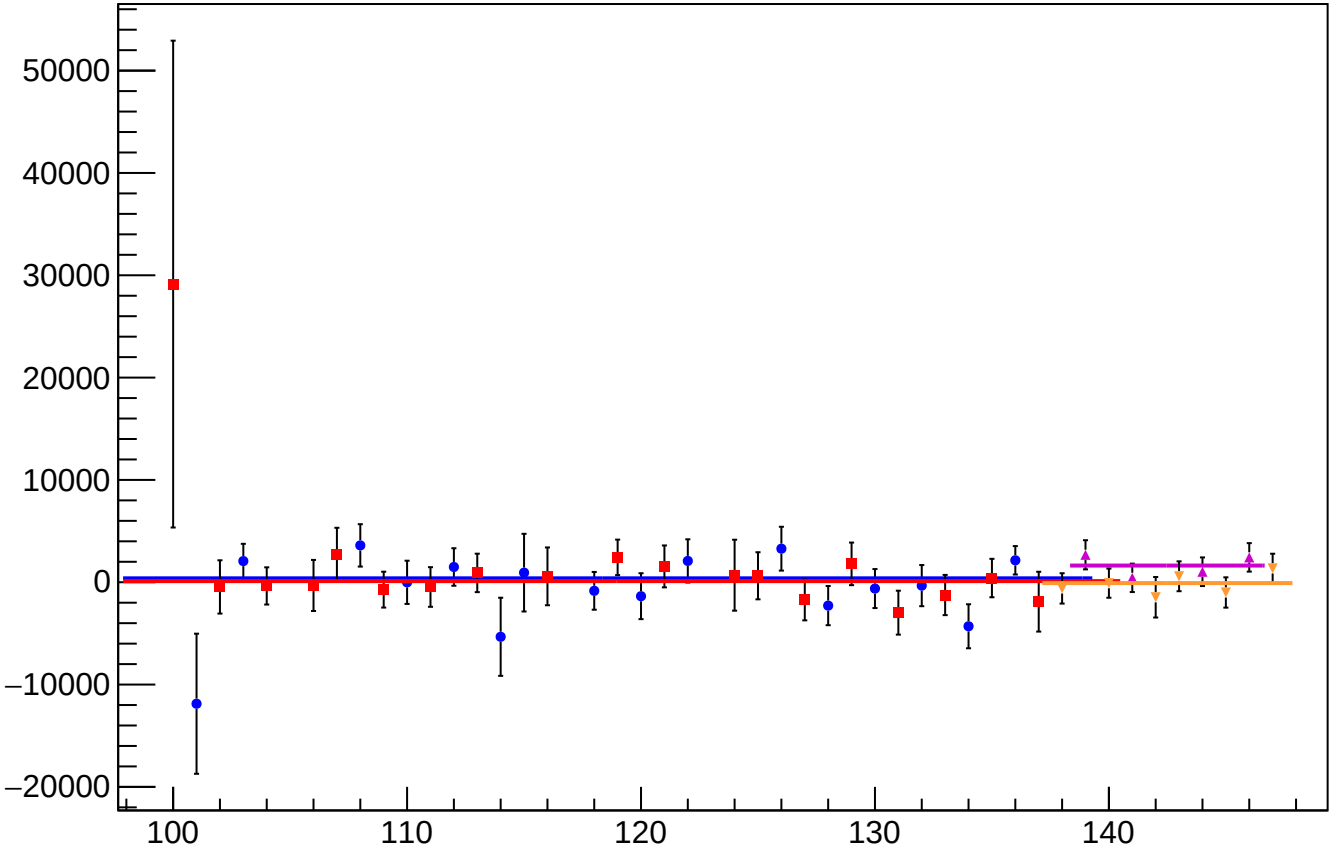
Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

+ sign 623.146+/-0.138 χ^2/NDF: 2824913.4/21

All: 653.012+/-0.104 χ^2/NDF: 5456023.2/44

- sign 692.752+/-0.159 χ^2/NDF: 2521863.6/22

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.594+/-618.311 χ^2/NDF:2.2/5

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

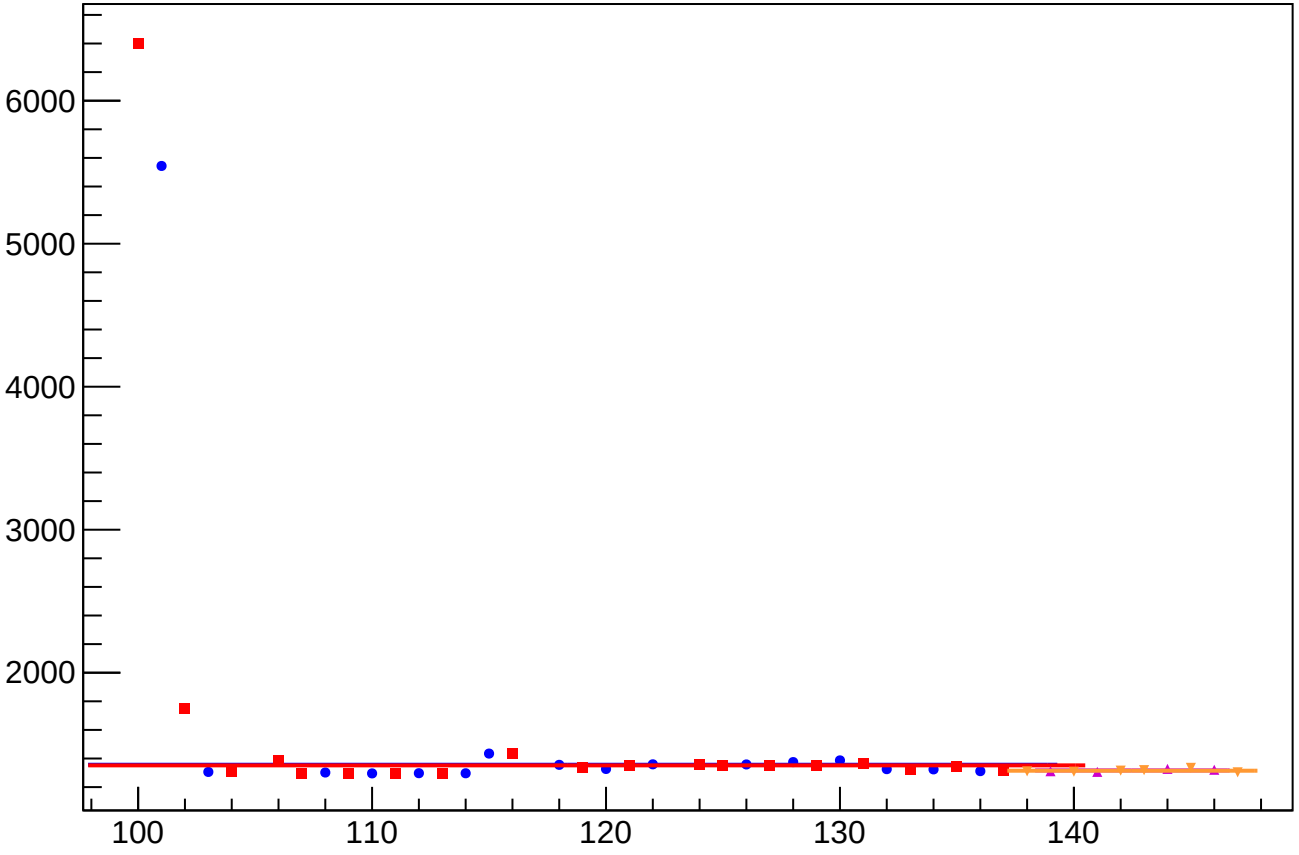
Left In: 1630.756+/-700.429 χ^2/NDF:1.8/3

+ sign 190.321+/-396.977 χ^2/NDF: 24.0/21

All: 402.567+/-284.658 χ^2/NDF: 39.5/44

- sign 627.204+/-408.402 χ^2/NDF: 14.9/22

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

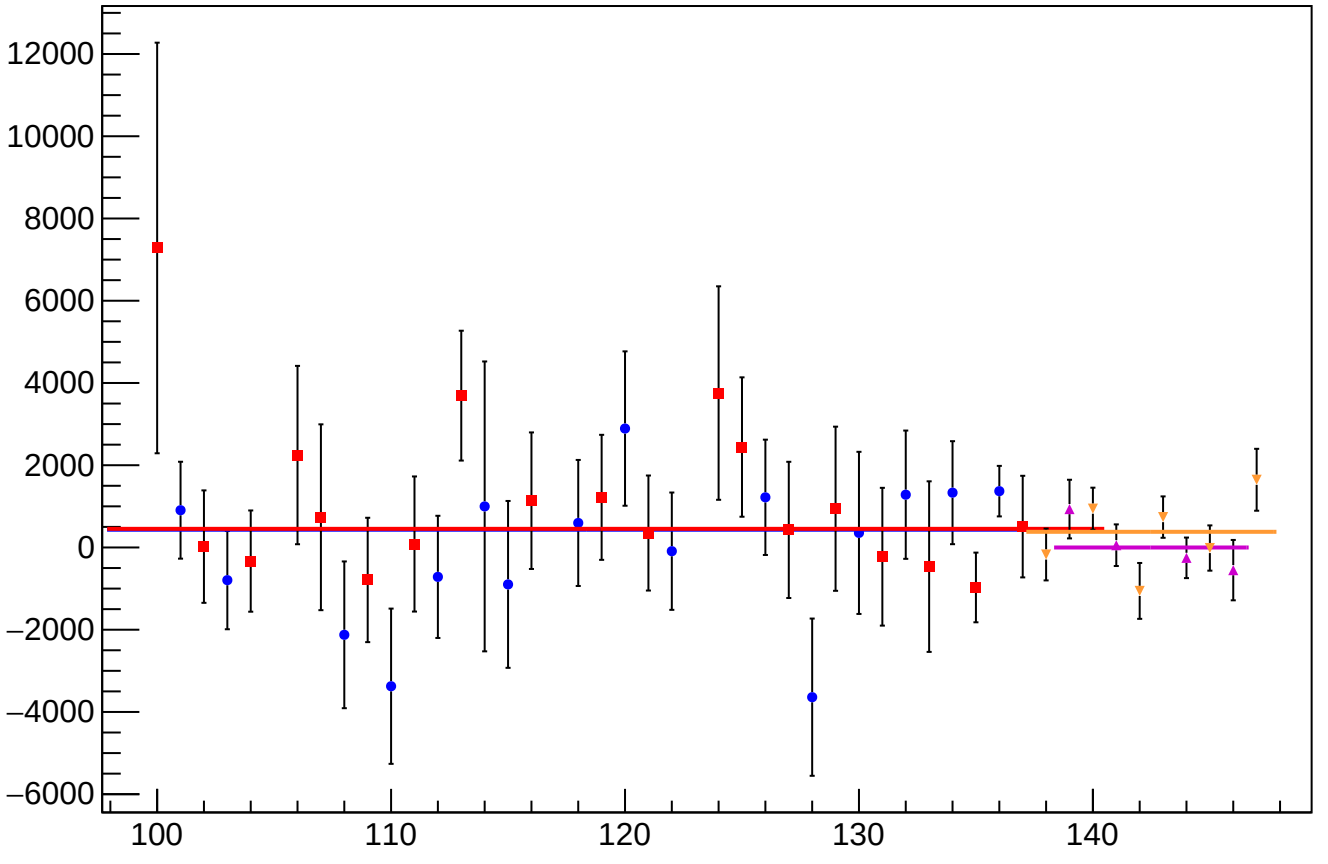
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.0/21

All: 1339.624+/-0.201 χ^2/NDF: 917154.6/44

- sign 1340.074+/-0.289 χ^2/NDF: 150963.9/22



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

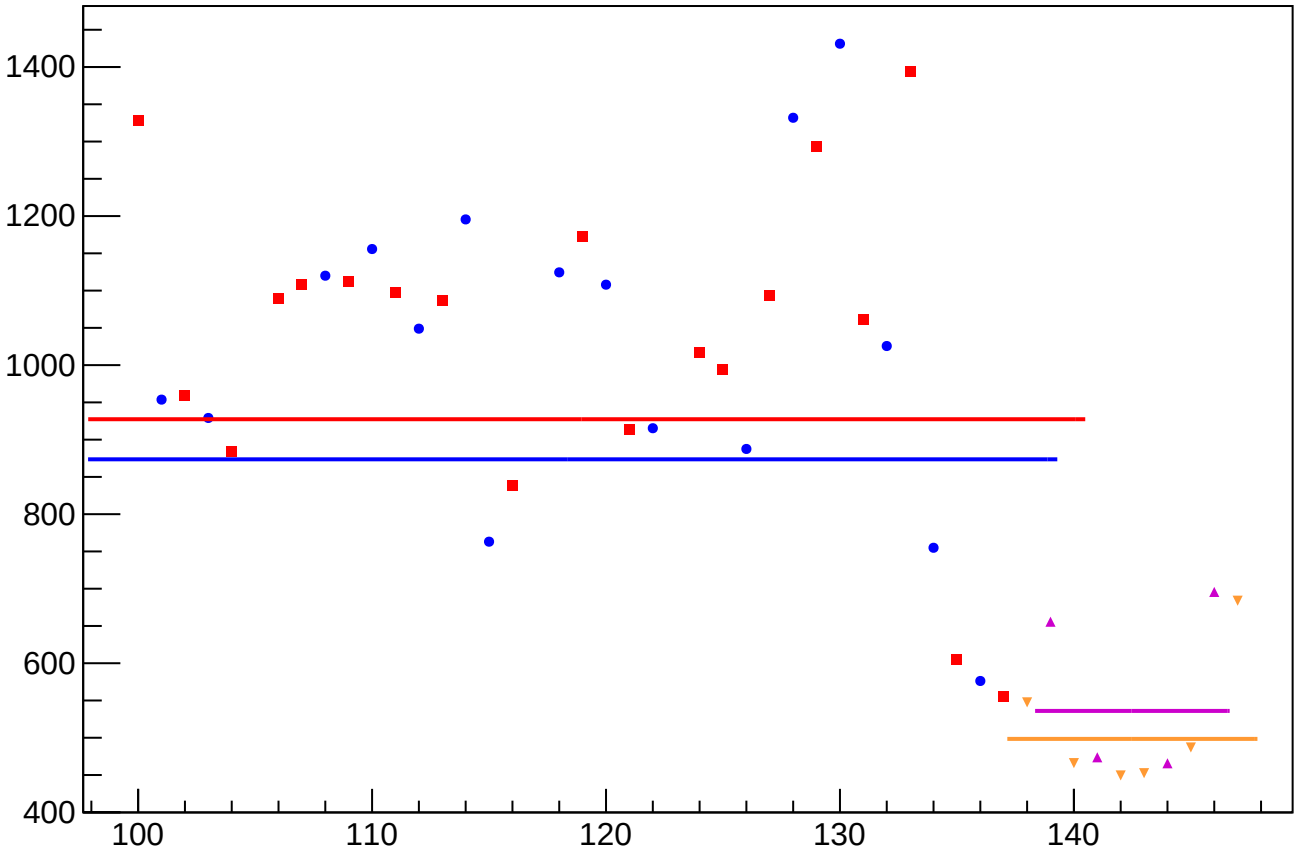
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -0.677+/-290.631 χ^2/NDF:2.6/3

+ sign 397.913+/-195.086 χ^2/NDF: 28.6/21

All: 304.851+/-147.406 χ^2/NDF: 47.3/44

- sign 181.024+/-225.033 χ^2/NDF: 18.2/22



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

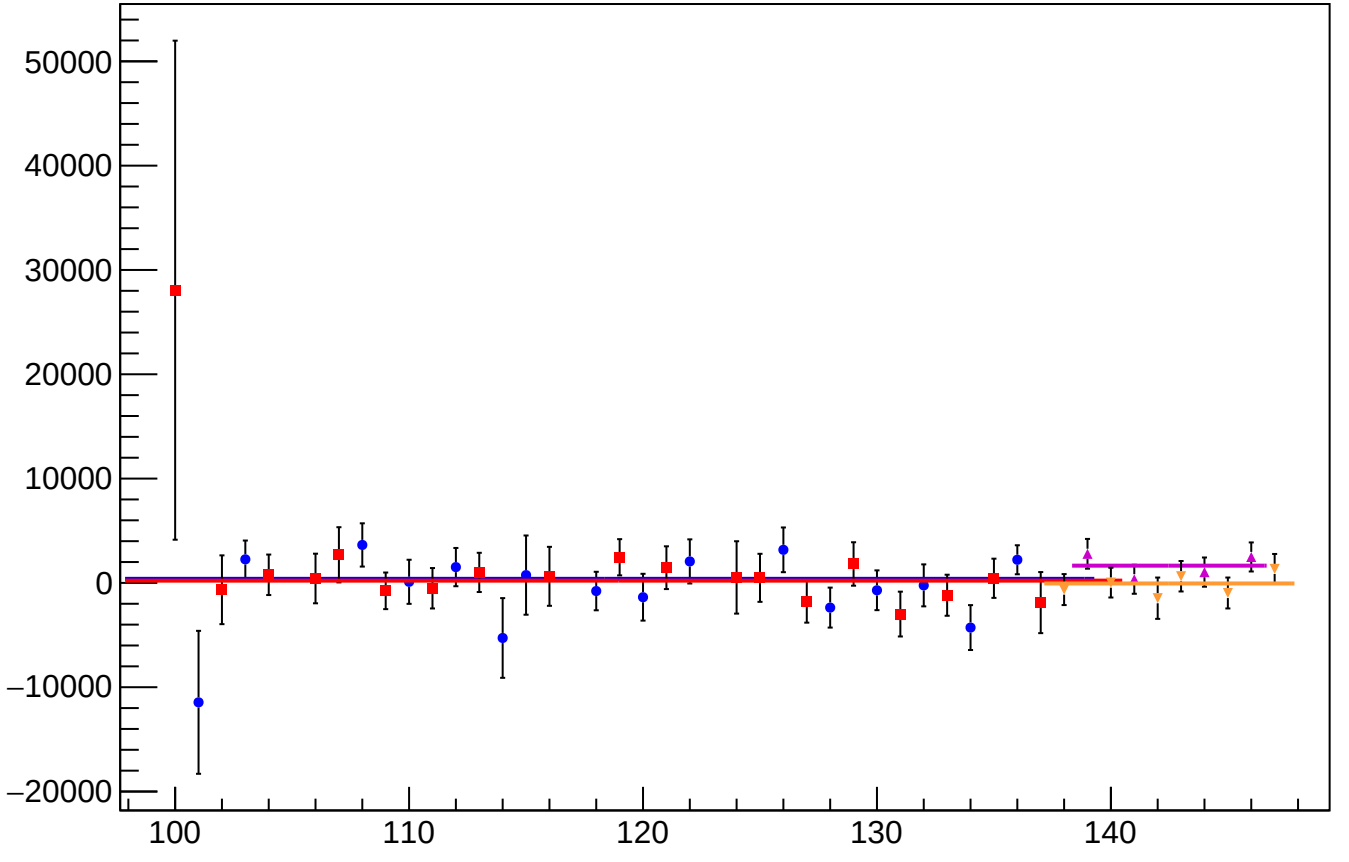
Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

\+ sign 623.146+/-0.138 χ^2/NDF: 2824913.4/21

All: 653.012+/-0.104 χ^2/NDF: 5456023.2/44

\- sign 692.752+/-0.159 χ^2/NDF: 2521863.6/22

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -54.289+/-618.723 χ^2/NDF:2.2/5

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

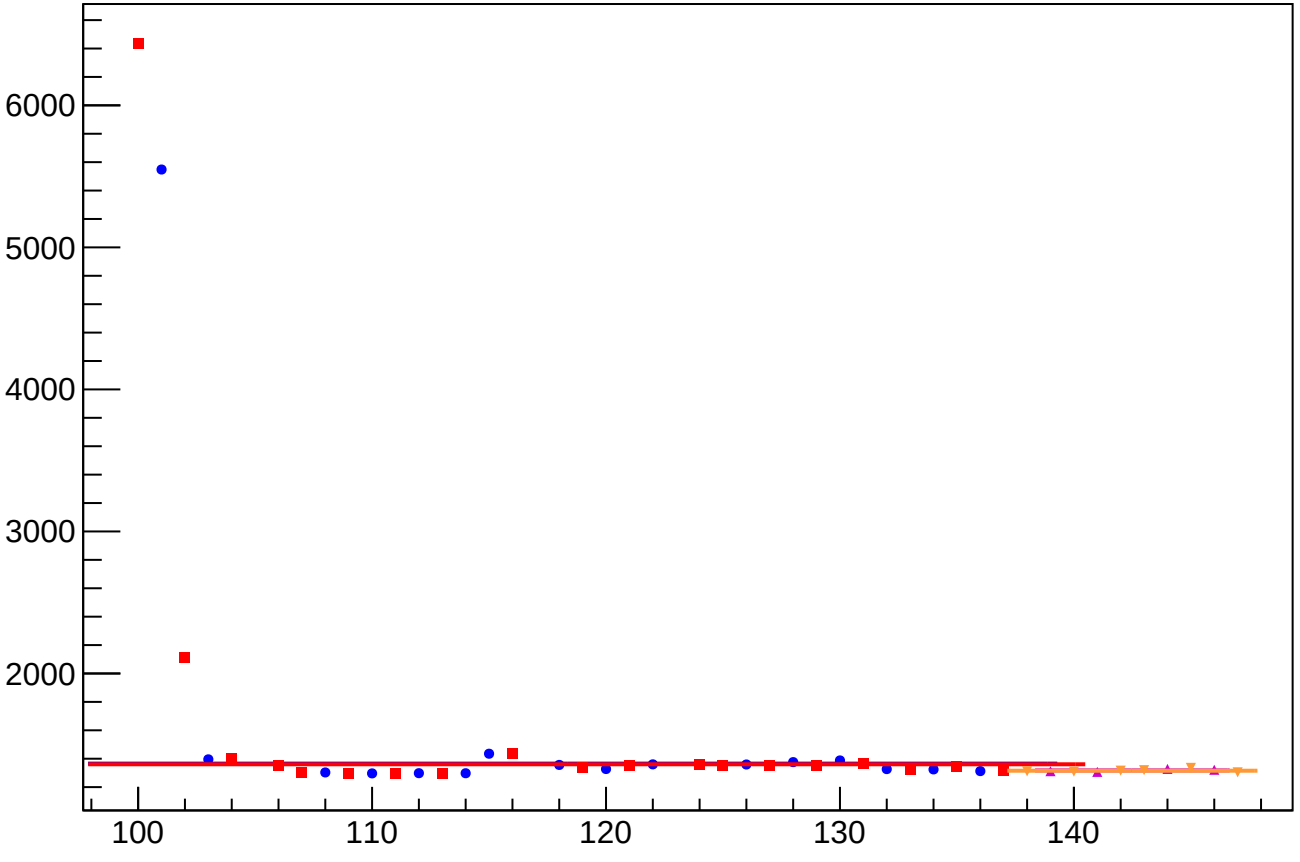
Left In: 1652.508+/-700.881 χ^2/NDF:2.1/3

\+ sign 205.577+/-398.599 χ^2/NDF: 23.9/21

All: 450.900+/-286.231 χ^2/NDF: 39.5/44

\- sign 712.084+/-411.282 χ^2/NDF: 14.8/22

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

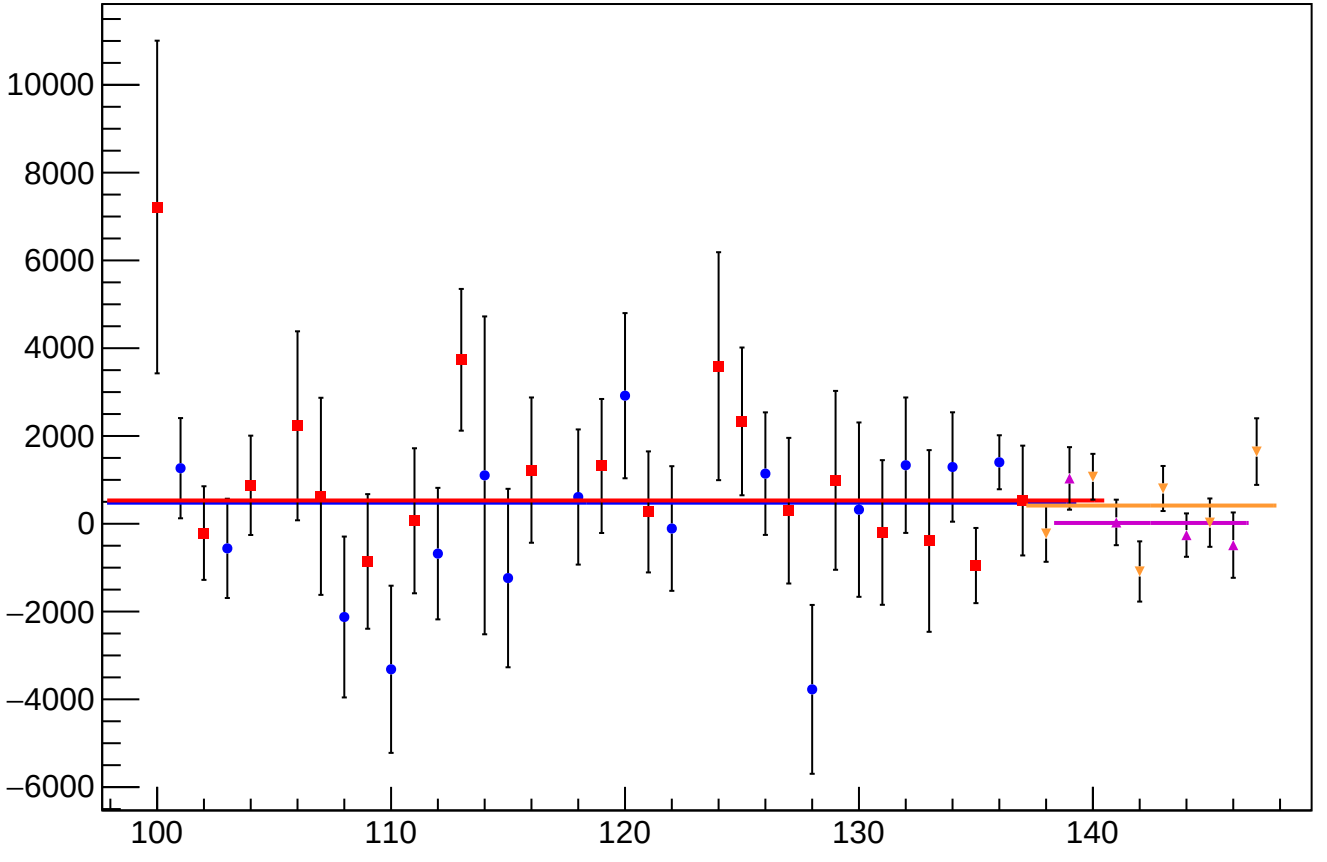
Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

+ sign 1344.654+/-0.282 χ^2/NDF: 767066.0/21

All: 1345.261+/-0.202 χ^2/NDF: 977639.2/44

- sign 1345.908+/-0.291 χ^2/NDF: 210563.7/22

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 415.041+/-242.257 χ^2/NDF:11.1/5

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

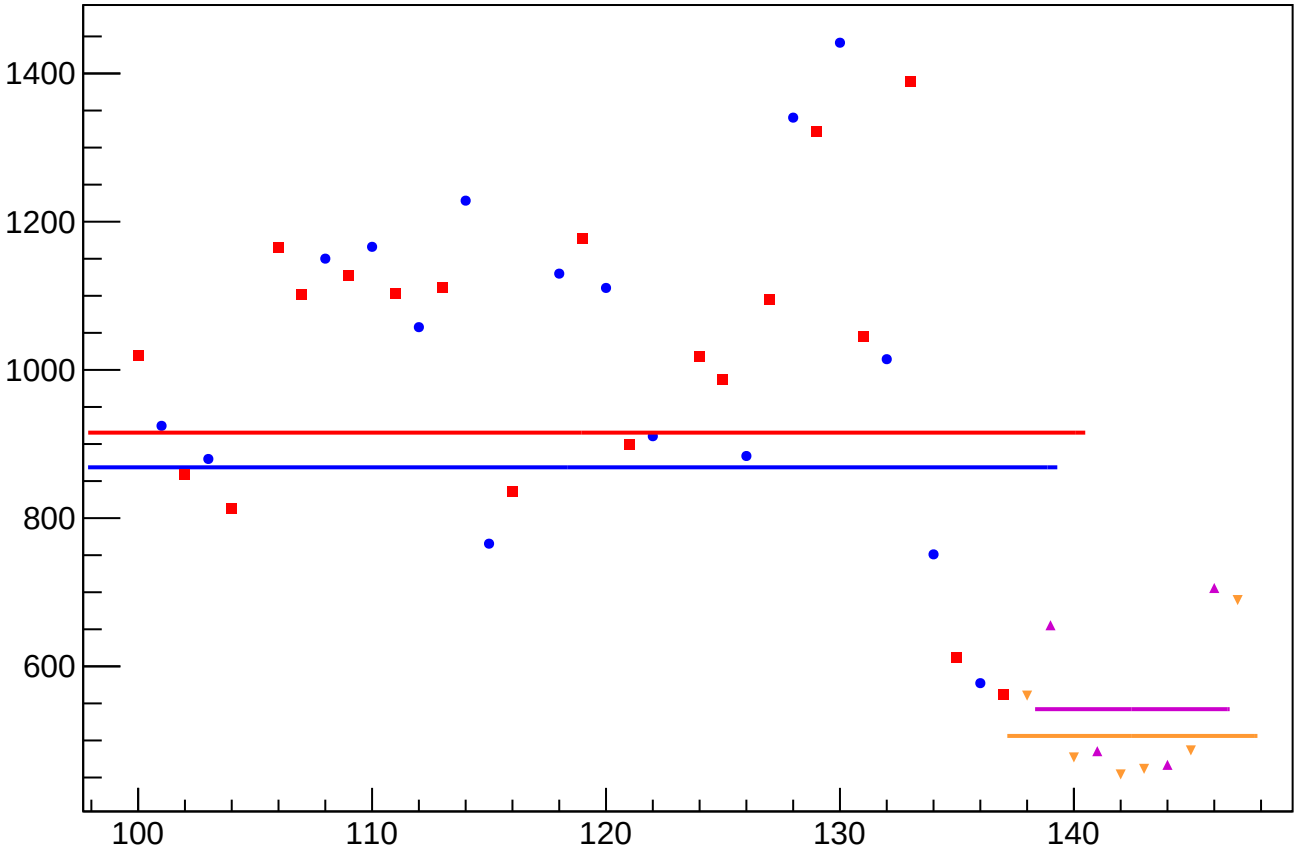
Left In: 18.352+/-293.799 χ^2/NDF:2.8/3

\+ sign 437.352+/-196.610 χ^2/NDF: 29.7/21

All: 348.355+/-147.759 χ^2/NDF: 49.9/44

\- sign 232.854+/-223.981 χ^2/NDF: 19.7/22

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 506.106+/-0.171 χ^2/NDF:166184.2/5

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

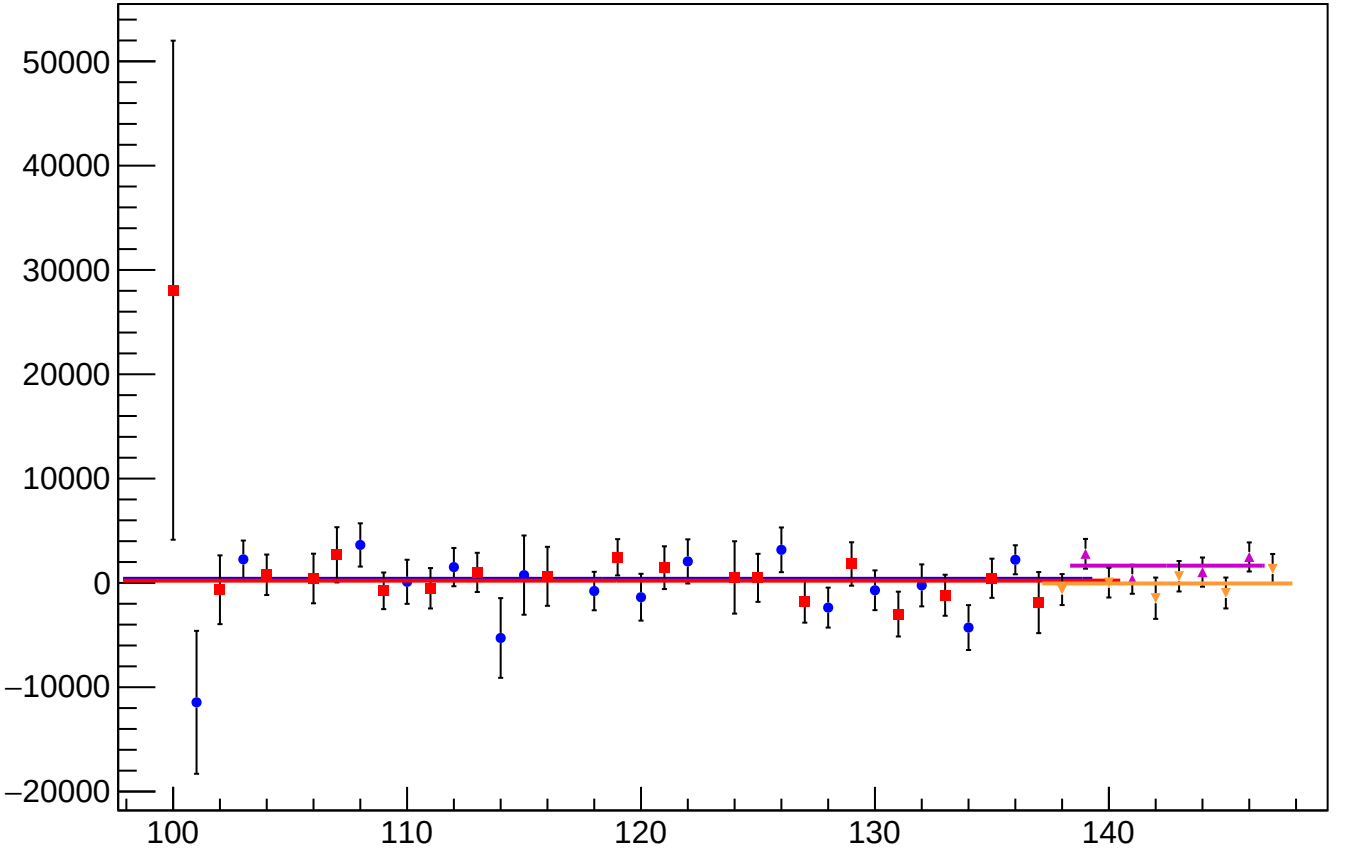
Left In: 542.224+/-0.208 χ^2/NDF:217042.9/3

\+ sign 629.831+/-0.139 χ^2/NDF: 2715798.6/21

All: 659.713+/-0.104 χ^2/NDF: 5248962.5/44

\- sign 698.494+/-0.158 χ^2/NDF: 2427005.9/22

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -54.289+/-618.723 χ^2/NDF:2.2/5

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

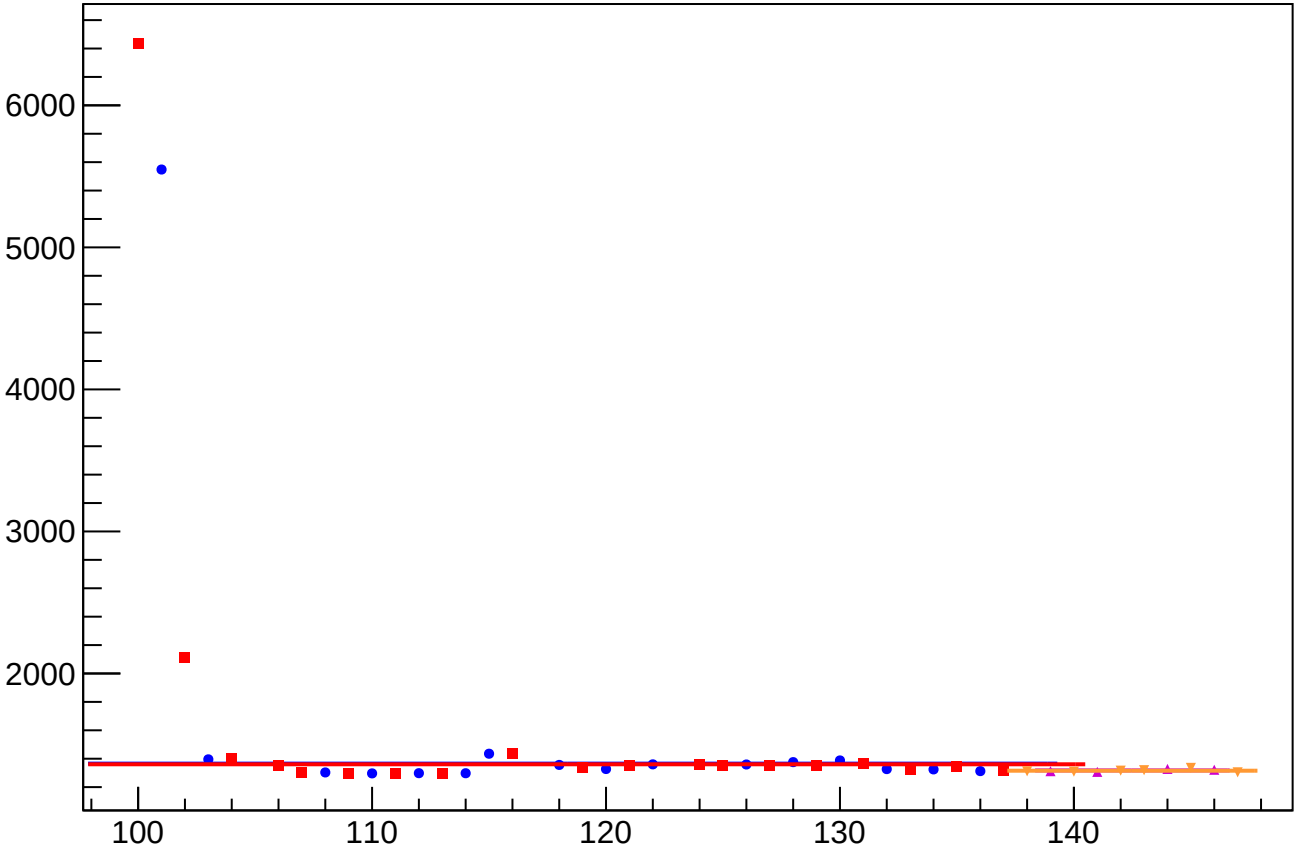
Left In: 1652.509+/-700.881 χ^2/NDF:2.1/3

+ sign 205.577+/-398.599 χ^2/NDF: 23.9/21

All: 450.900+/-286.231 χ^2/NDF: 39.5/44

- sign 712.083+/-411.282 χ^2/NDF: 14.8/22

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

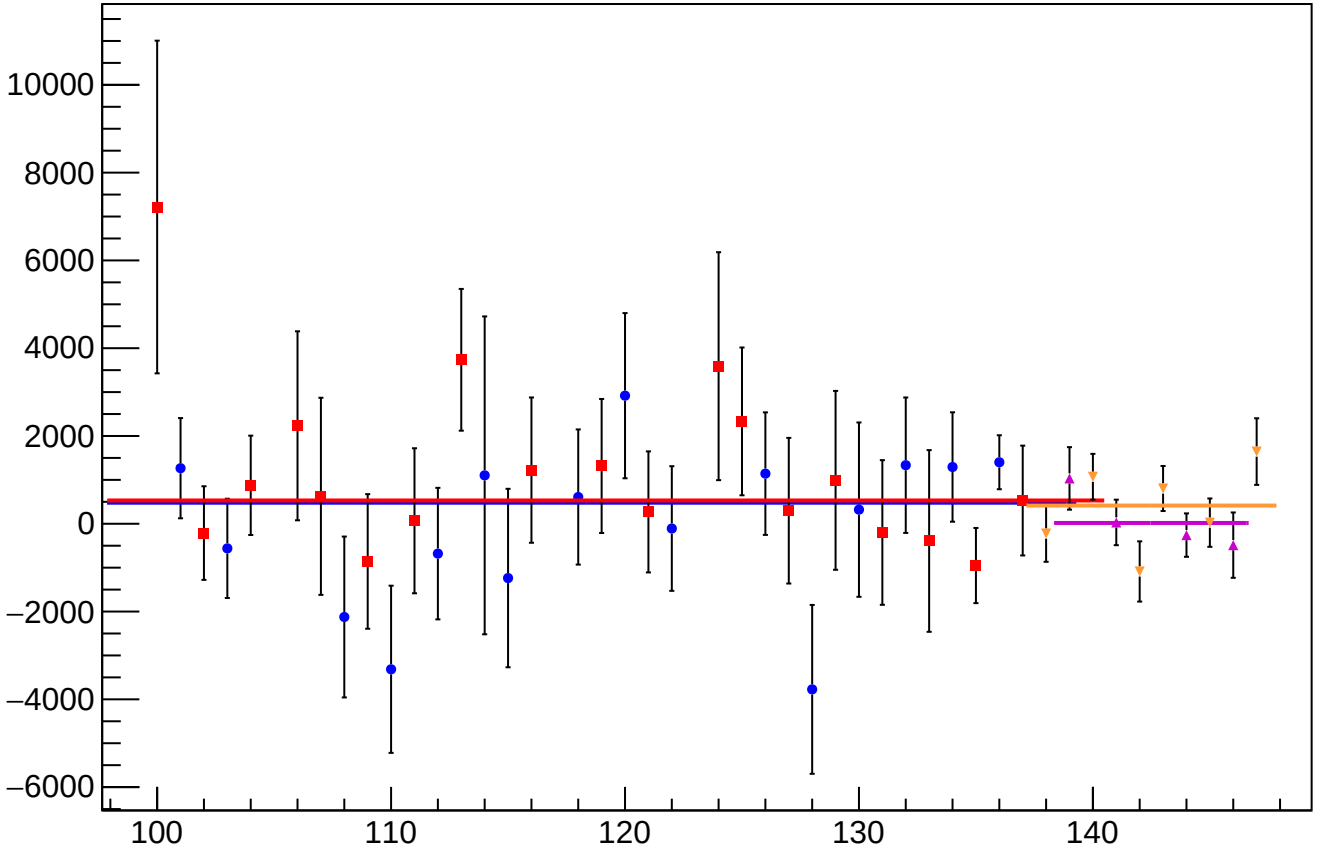
Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

+ sign 1344.654+/-0.282 χ^2/NDF: 767065.9/21

All: 1345.261+/-0.202 χ^2/NDF: 977639.1/44

- sign 1345.908+/-0.291 χ^2/NDF: 210563.6/22

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 415.043+/-242.256 χ^2/NDF:11.1/5

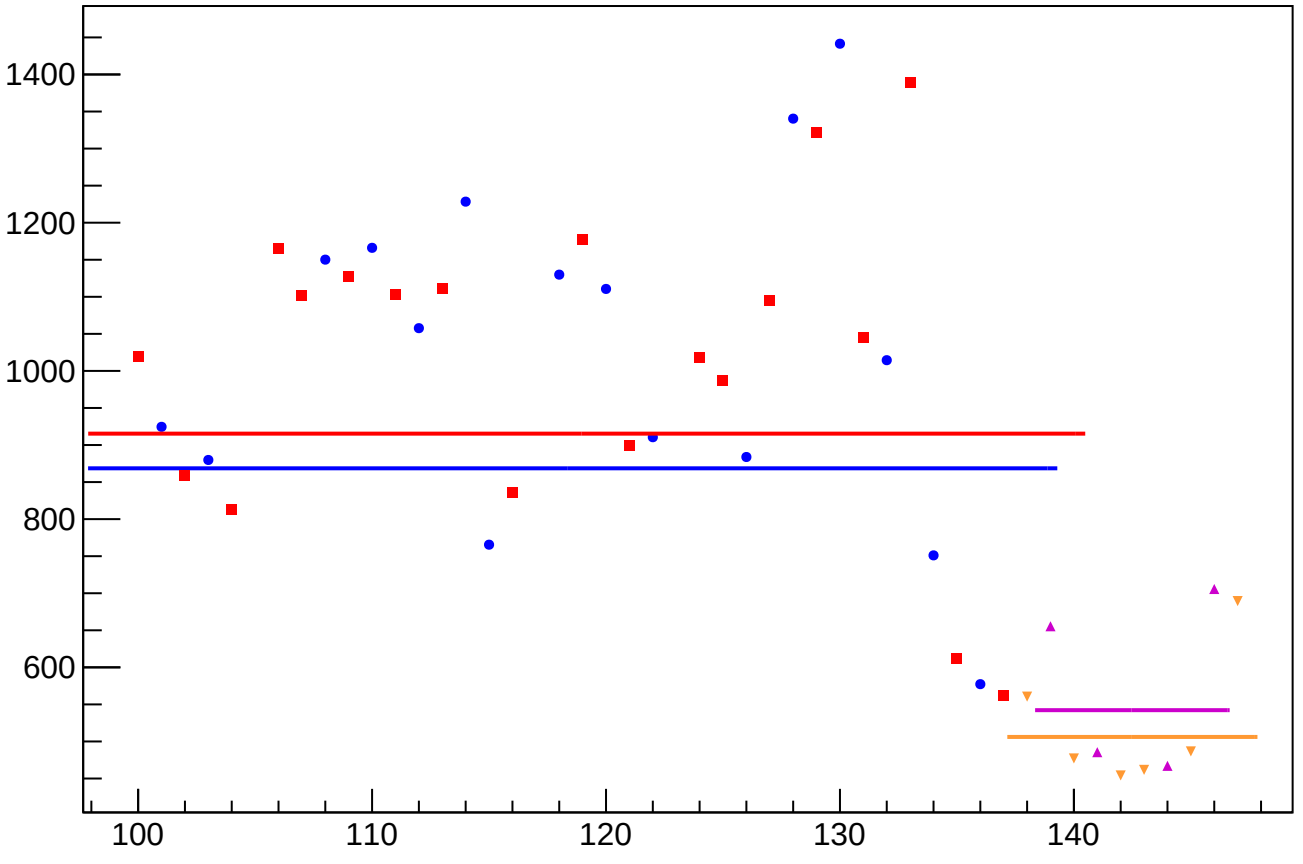
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 18.352+/-293.799 χ^2/NDF:2.8/3

\+ sign 437.352+/-196.610 χ^2/NDF: 29.7/21

All: 348.356+/-147.759 χ^2/NDF: 49.9/44

\- sign 232.854+/-223.981 χ^2/NDF: 19.7/22



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 506.106+/-0.171 χ^2/NDF:166185.7/5

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

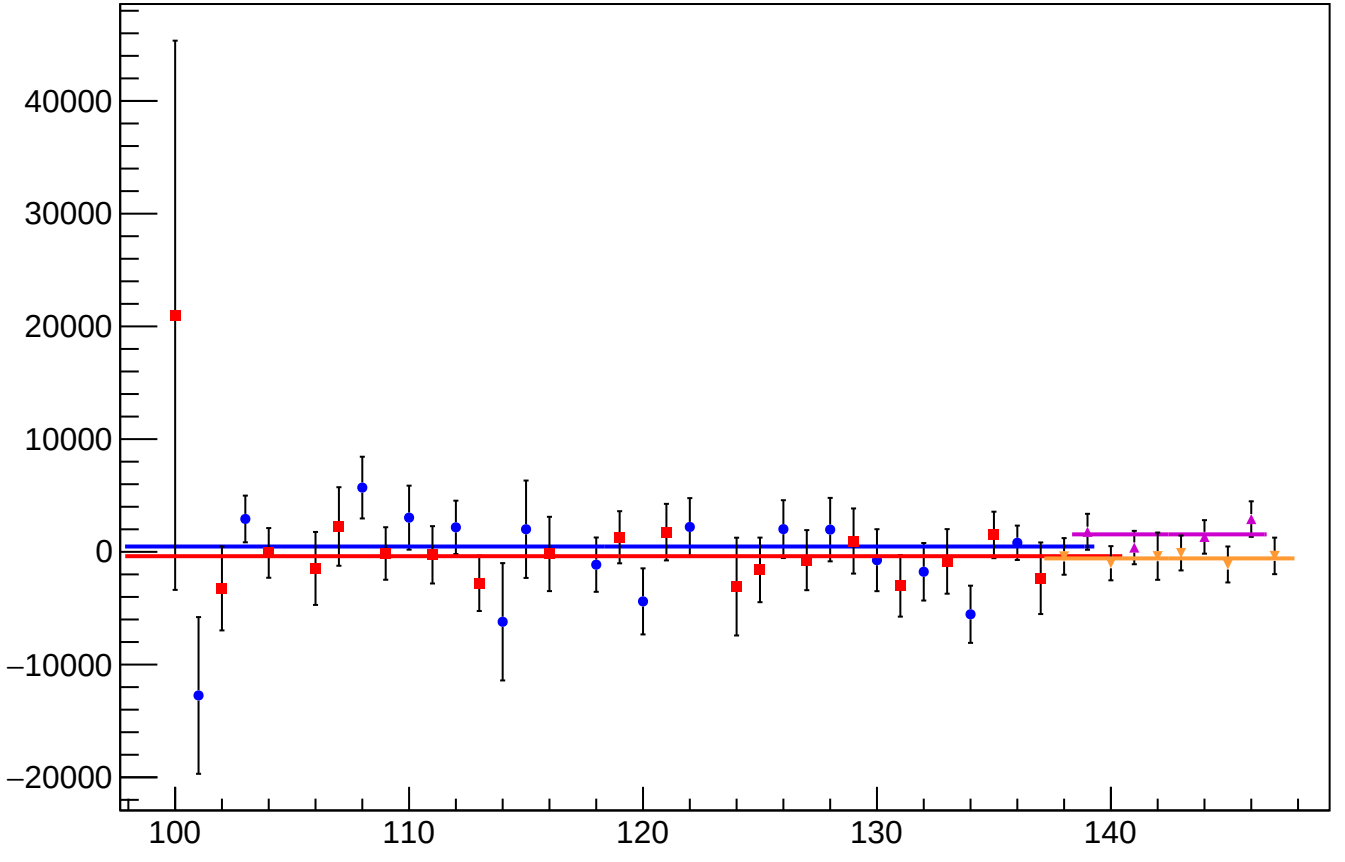
Left In: 542.224+/-0.208 χ^2/NDF:217044.5/3

+ sign 629.830+/-0.139 χ^2/NDF: 2715788.9/21

All: 659.712+/-0.104 χ^2/NDF: 5248942.4/44

- sign 698.494+/-0.158 χ^2/NDF: 2426992.7/22

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -581.388+/-669.155 χ^2/NDF:0.3/5

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

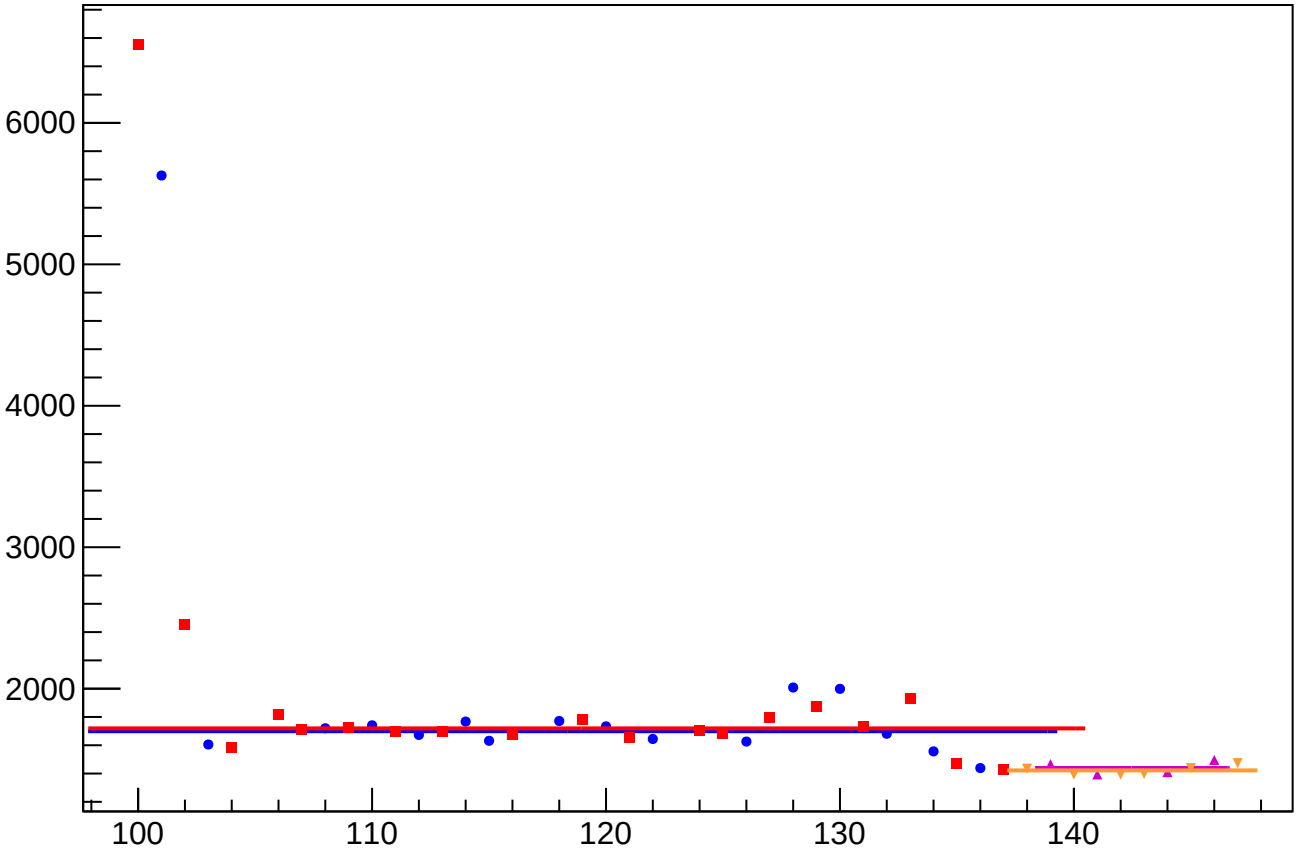
Left In: 1551.866+/-765.886 χ^2/NDF:1.4/3

+ sign -38.018+/-465.965 χ^2/NDF: 24.3/21

All: 175.915+/-338.318 χ^2/NDF: 37.2/44

- sign 414.427+/-492.005 χ^2/NDF: 12.4/22

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1422.314+/-0.473 χ^2/NDF:3994.8/5

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

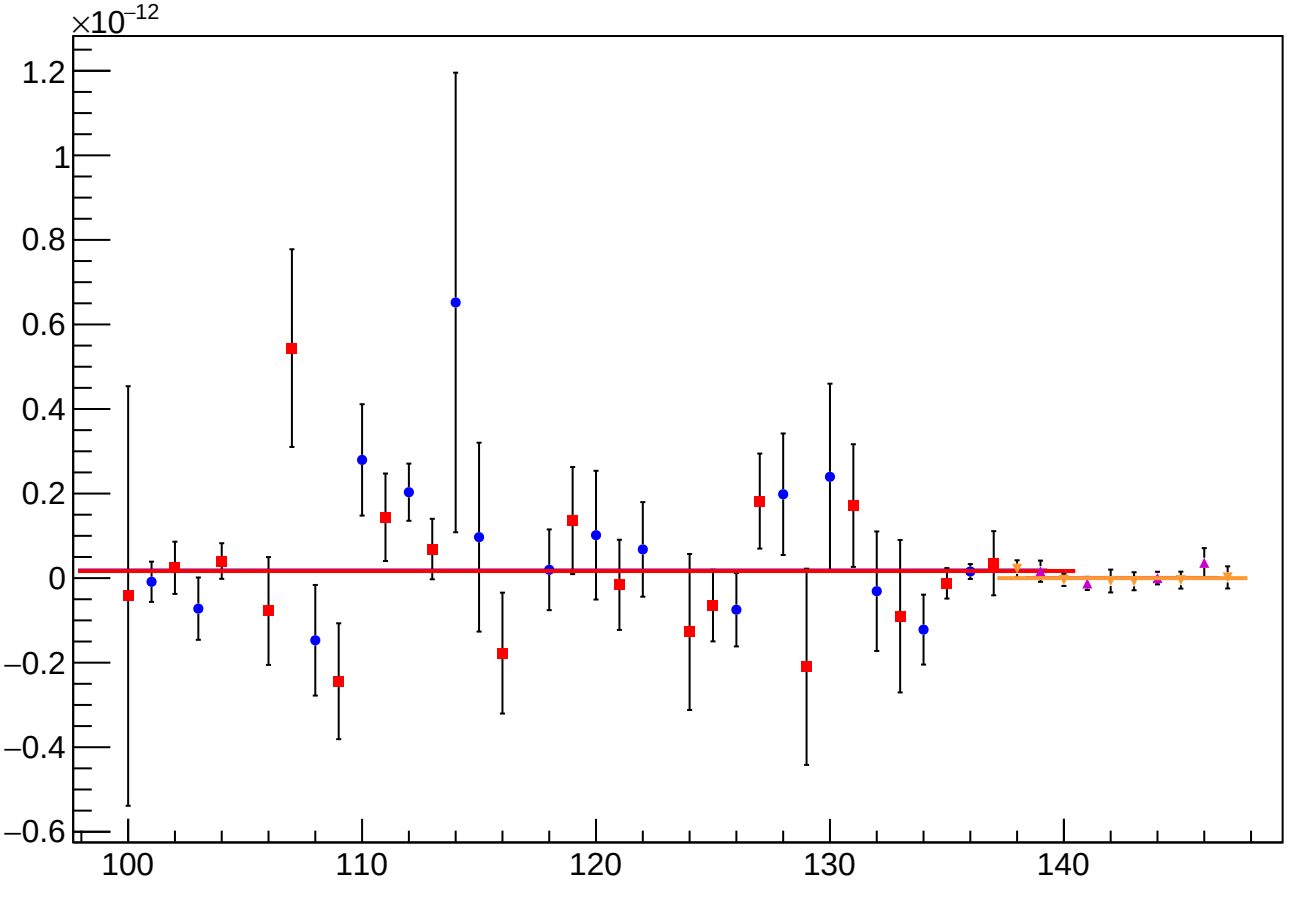
Left In: 1439.158+/-0.542 χ^2/NDF:5875.5/3

+ sign 1565.005+/-0.329 χ^2/NDF: 942646.1/21

All: 1583.243+/-0.239 χ^2/NDF: 1345689.6/44

- sign 1603.576+/-0.348 χ^2/NDF: 396563.6/22

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/5

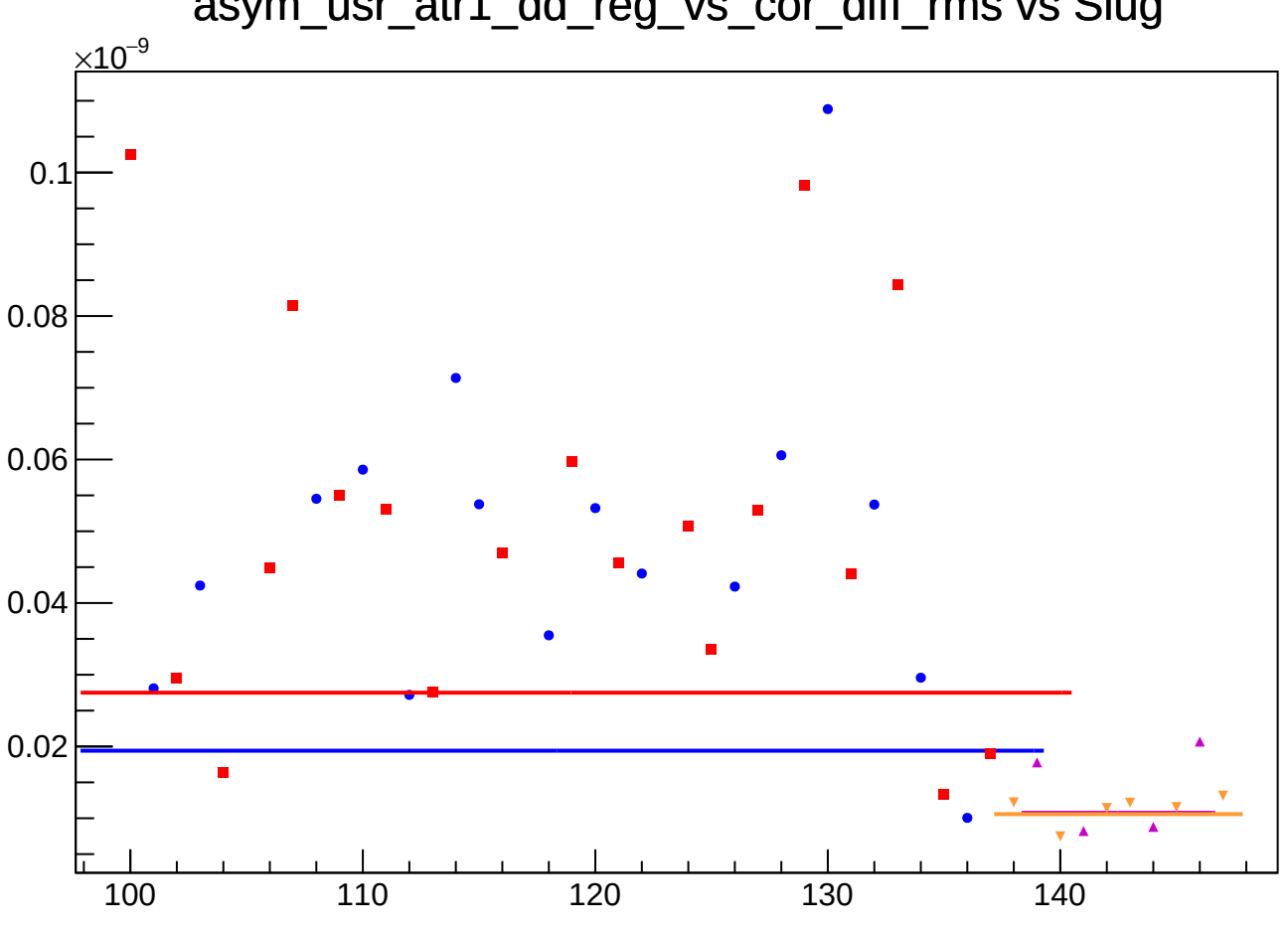
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/21

All: 0.000+/-0.000 χ^2/NDF: 50.4/44

- sign 0.000+/-0.000 χ^2/NDF: 24.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:143671.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

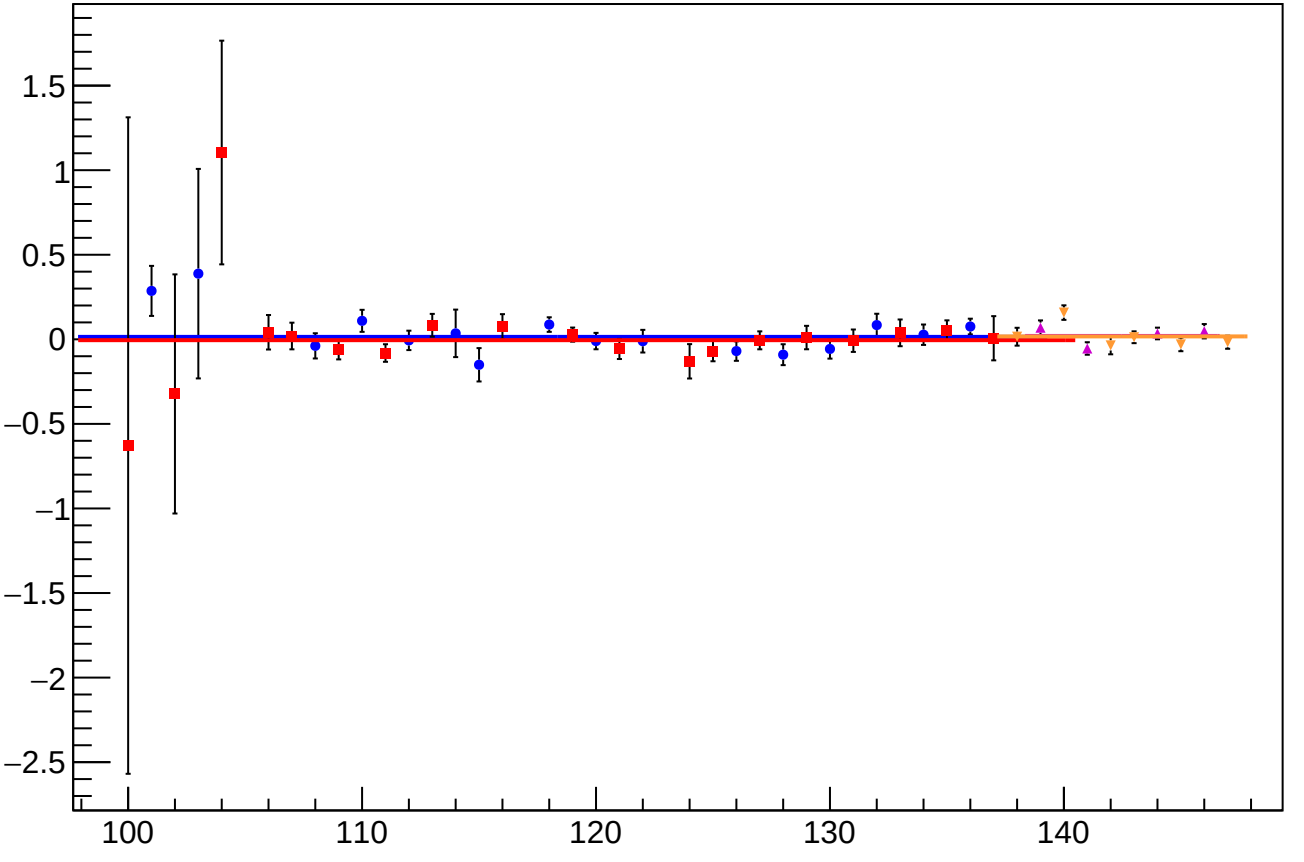
Left In: 0.000+/-0.000 χ^2/NDF:408212.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2989690.7/21

All: 0.000+/-0.000 χ^2/NDF: 6307047.1/44

- sign 0.000+/-0.000 χ^2/NDF: 3287761.0/22

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: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

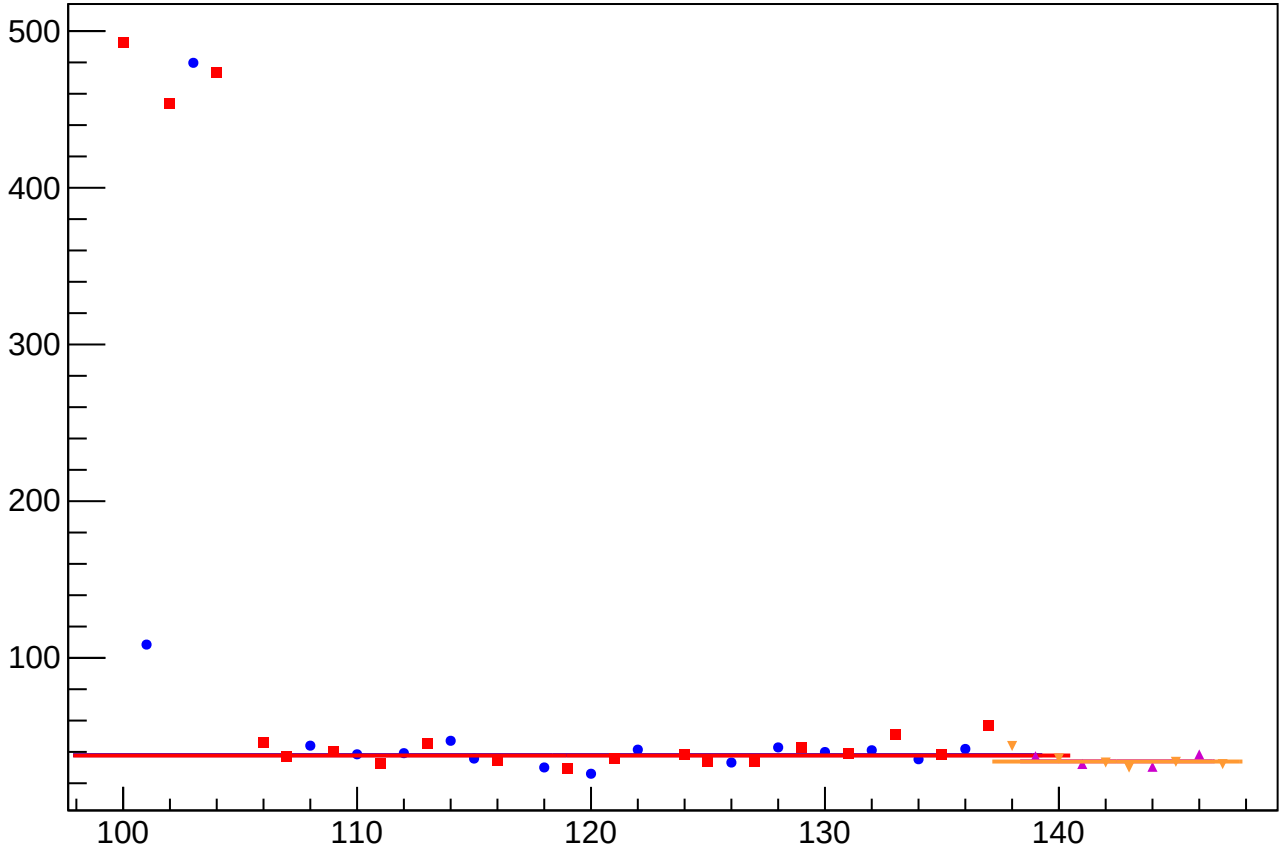
Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.2/44

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22

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: 33.860+/-0.012 χ^2/NDF:103093.5/5

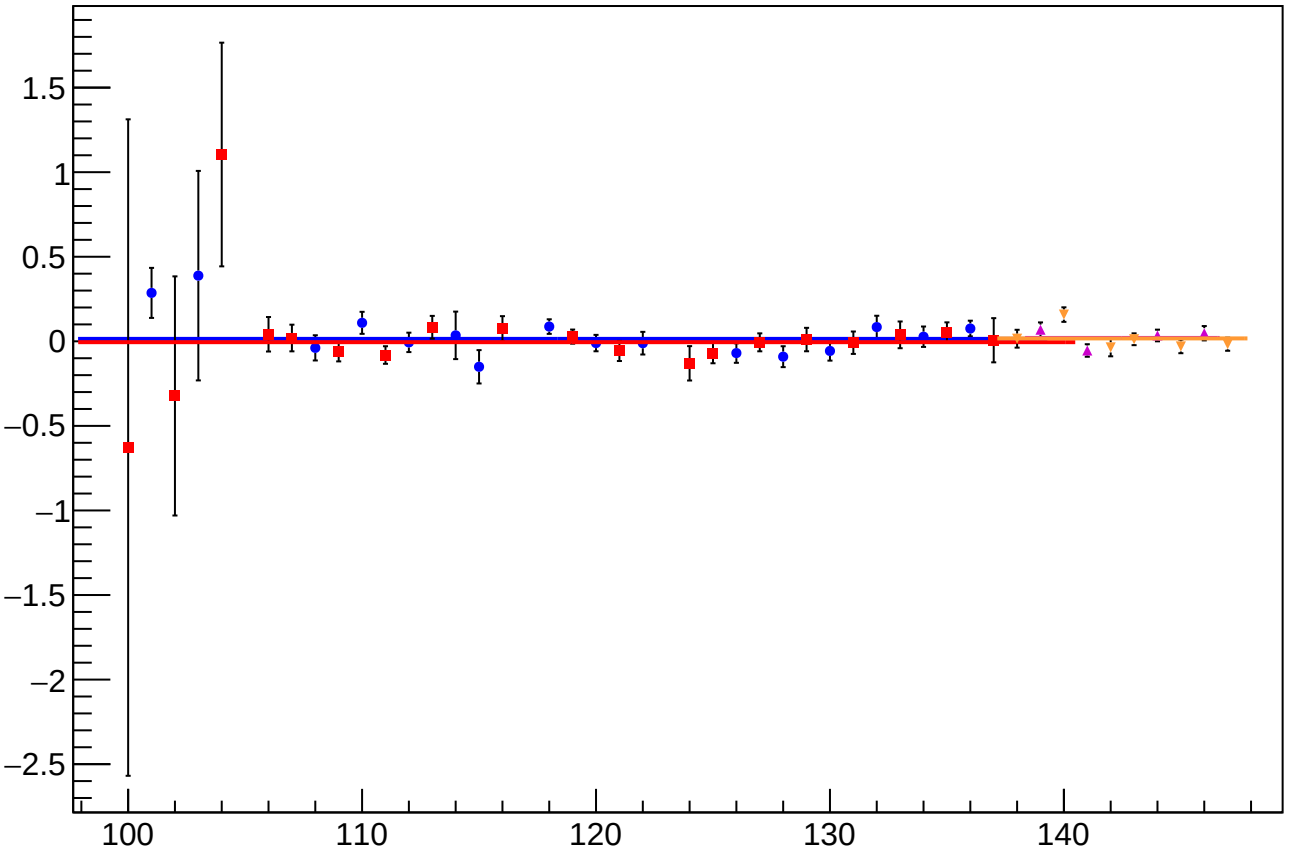
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

+ sign 36.062+/-0.008 χ^2/NDF: 1903253.6/21

All: 36.127+/-0.006 χ^2/NDF: 3948161.8/44

- sign 36.200+/-0.009 χ^2/NDF: 2044776.7/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

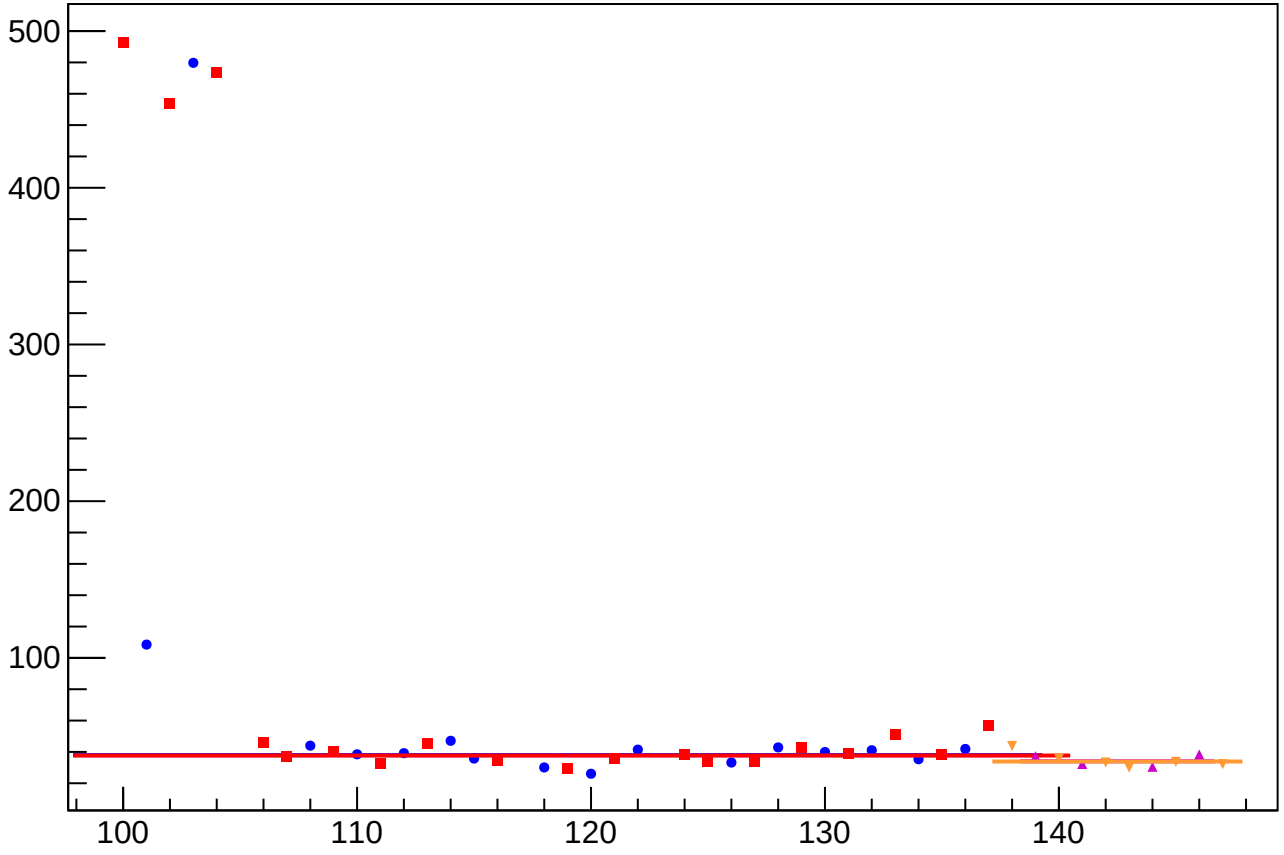
Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.2/44

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 33.860+/-0.012 χ^2/NDF:103093.5/5

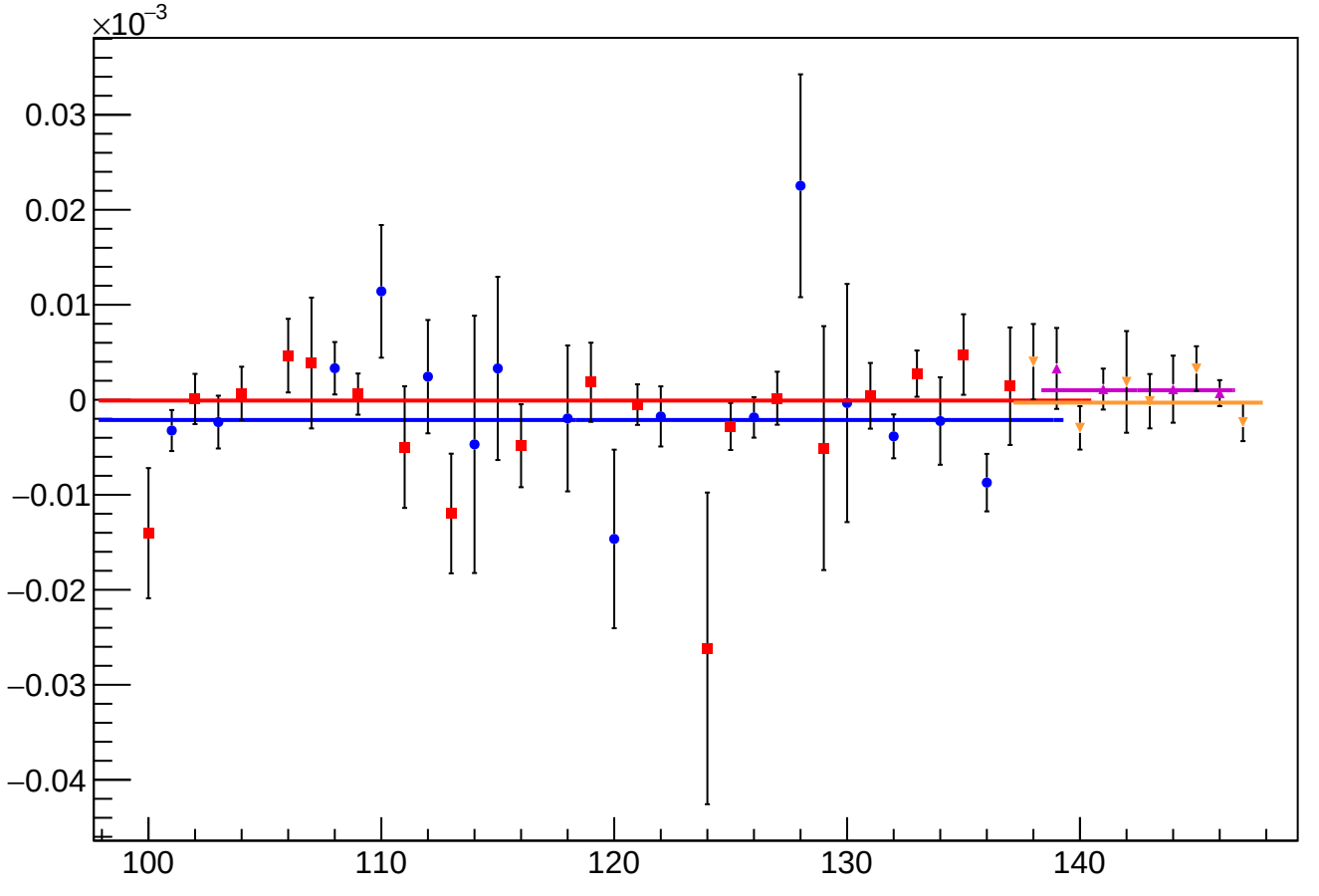
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

+ sign 36.062+/-0.008 χ^2/NDF: 1903253.6/21

All: 36.127+/-0.006 χ^2/NDF: 3948161.8/44

- sign 36.200+/-0.009 χ^2/NDF: 2044776.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

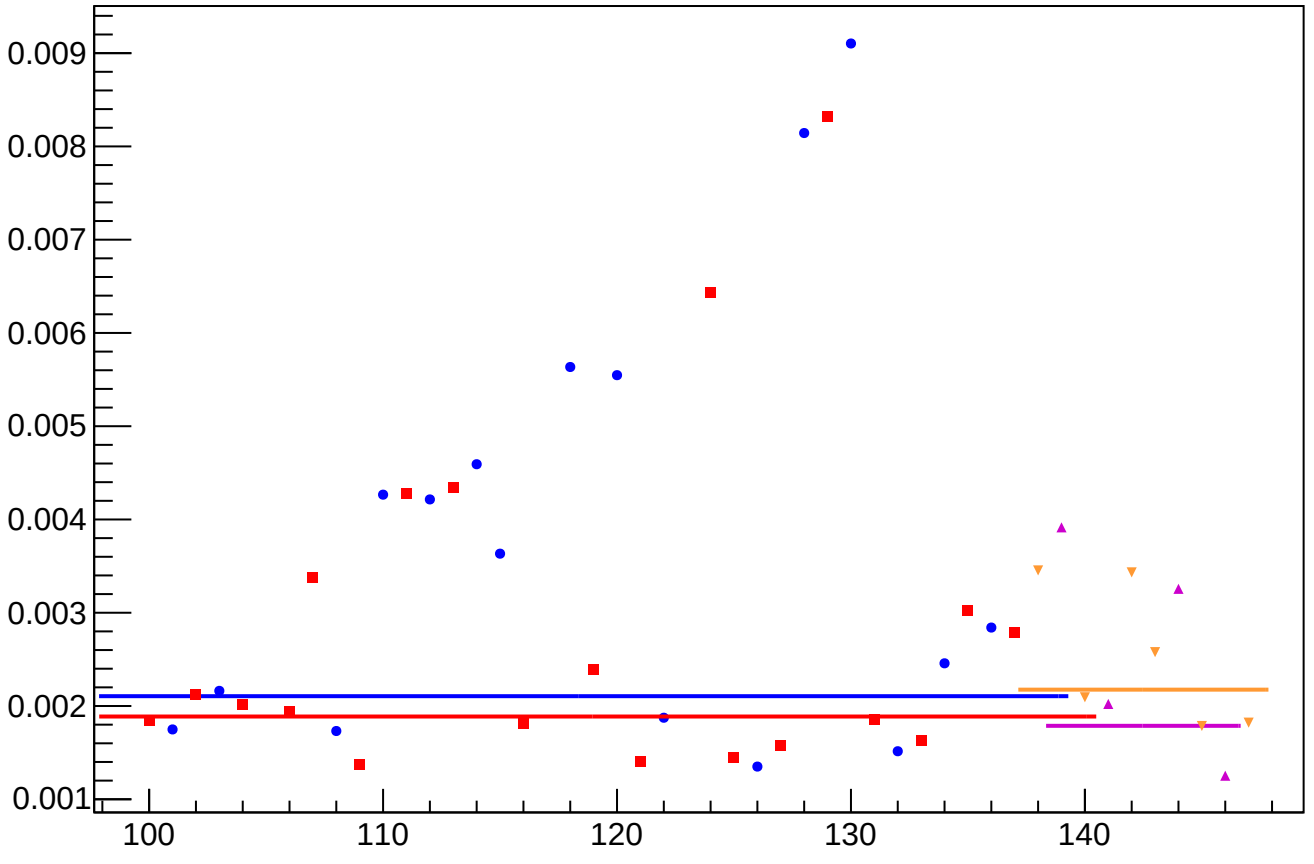
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/21

All: -0.000+/-0.000 χ^2/NDF: 50.8/44

- sign 0.000+/-0.000 χ^2/NDF: 19.4/22



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:477371.6/5

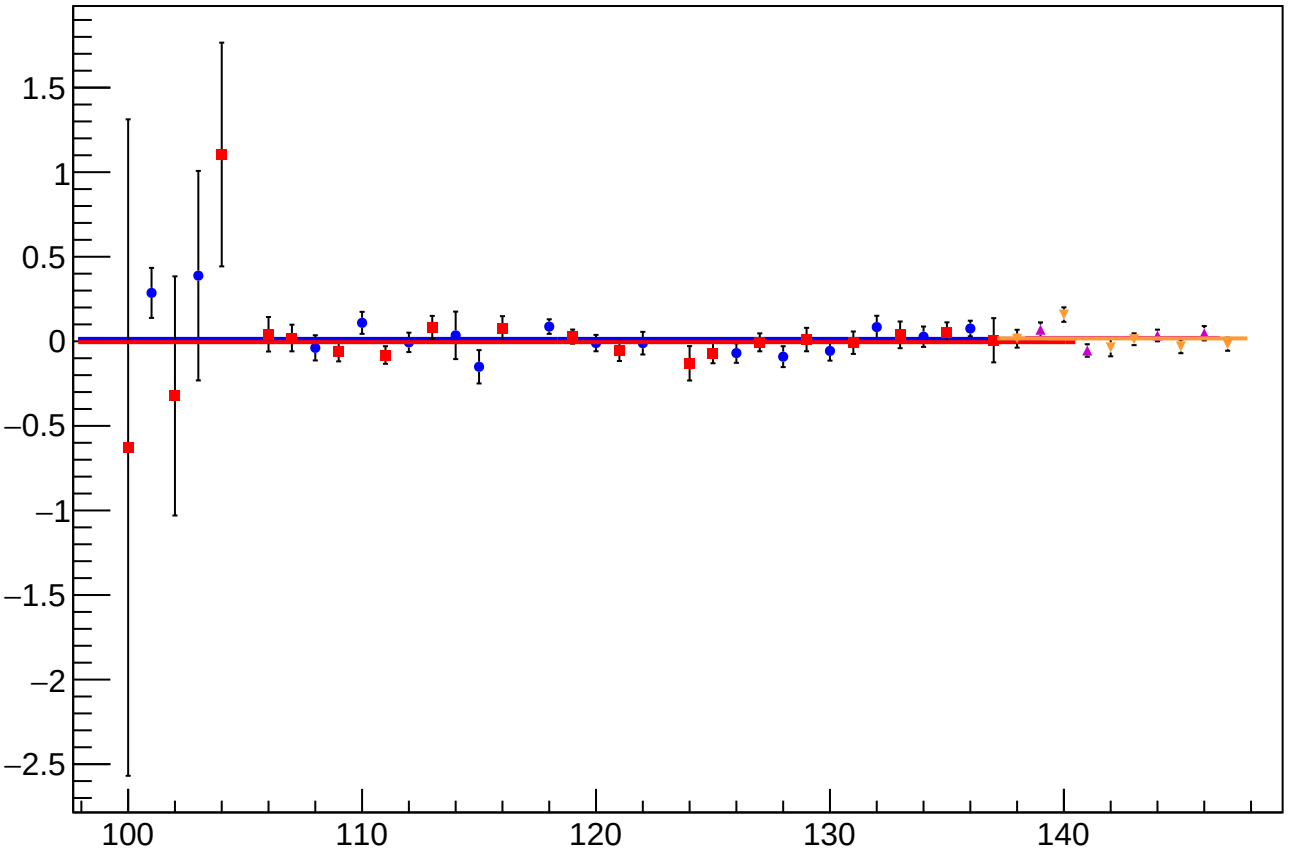
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1174127.7/3

+ sign 0.002+/-0.000 χ^2/NDF: 3499871.0/21

All: 0.002+/-0.000 χ^2/NDF: 6757601.5/44

- sign 0.002+/-0.000 χ^2/NDF: 3077482.5/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

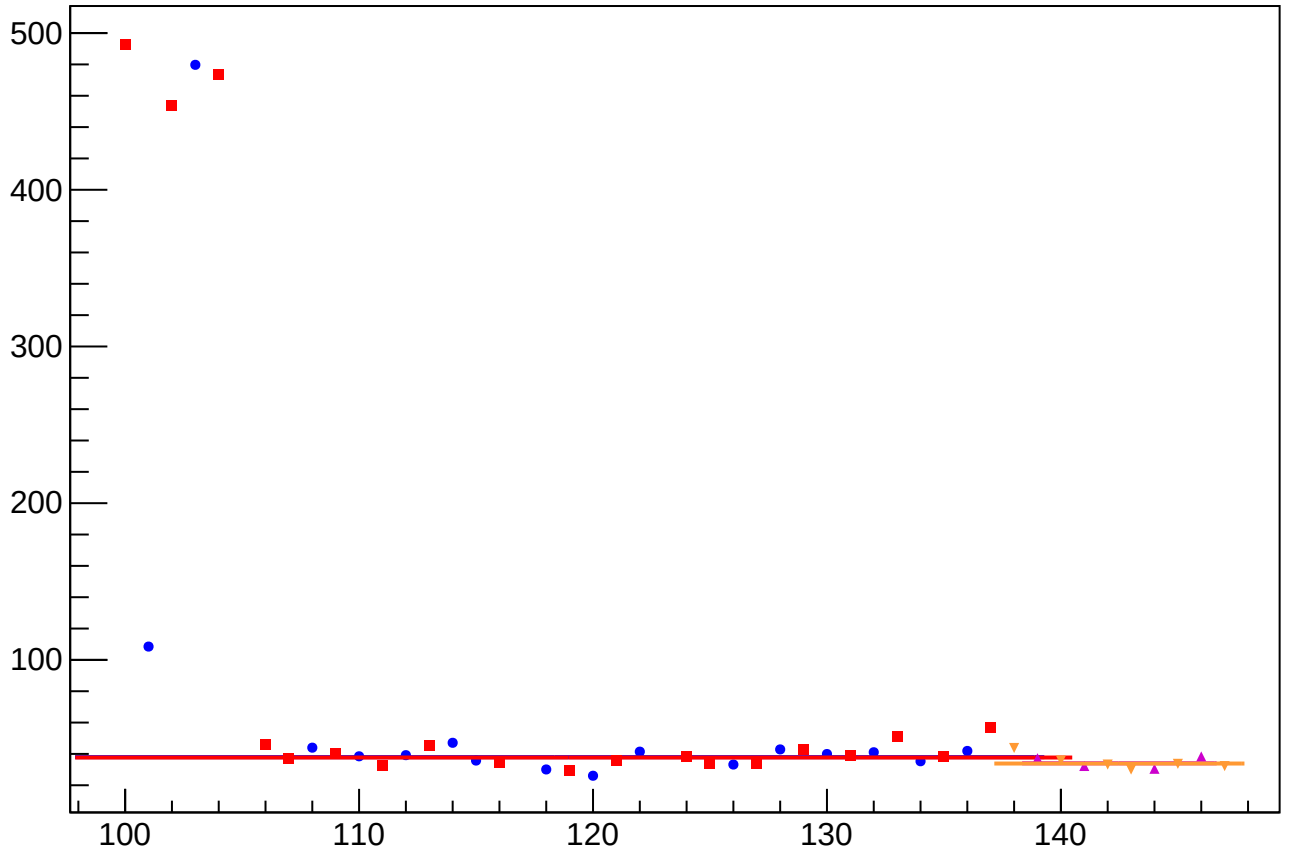
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.2/44

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.860+/-0.012 χ^2/NDF:103123.0/5

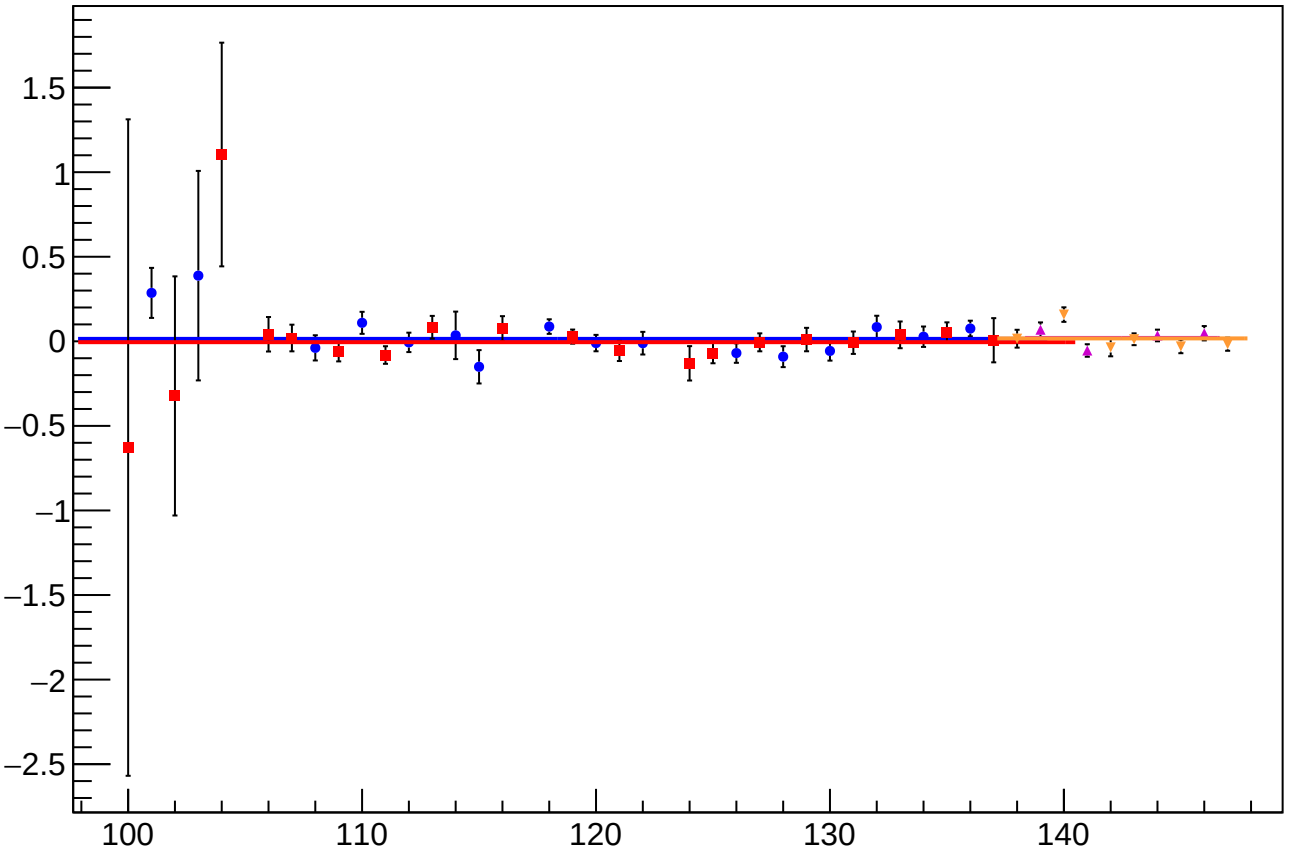
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

+ sign 36.062+/-0.008 χ^2/NDF: 1903289.6/21

All: 36.127+/-0.006 χ^2/NDF: 3948260.6/44

- sign 36.199+/-0.009 χ^2/NDF: 2044840.4/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

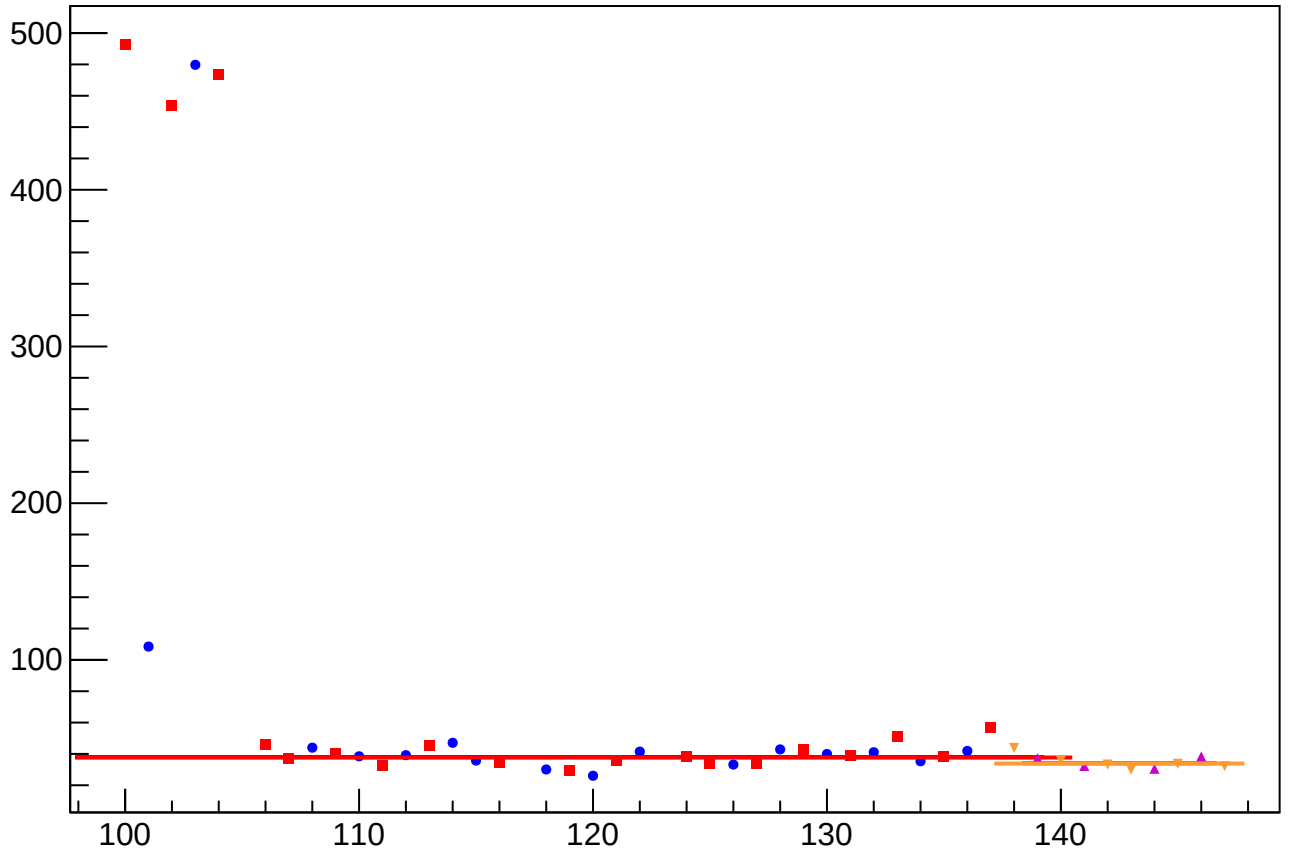
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.2/44

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.860+/-0.012 χ^2/NDF:103123.0/5

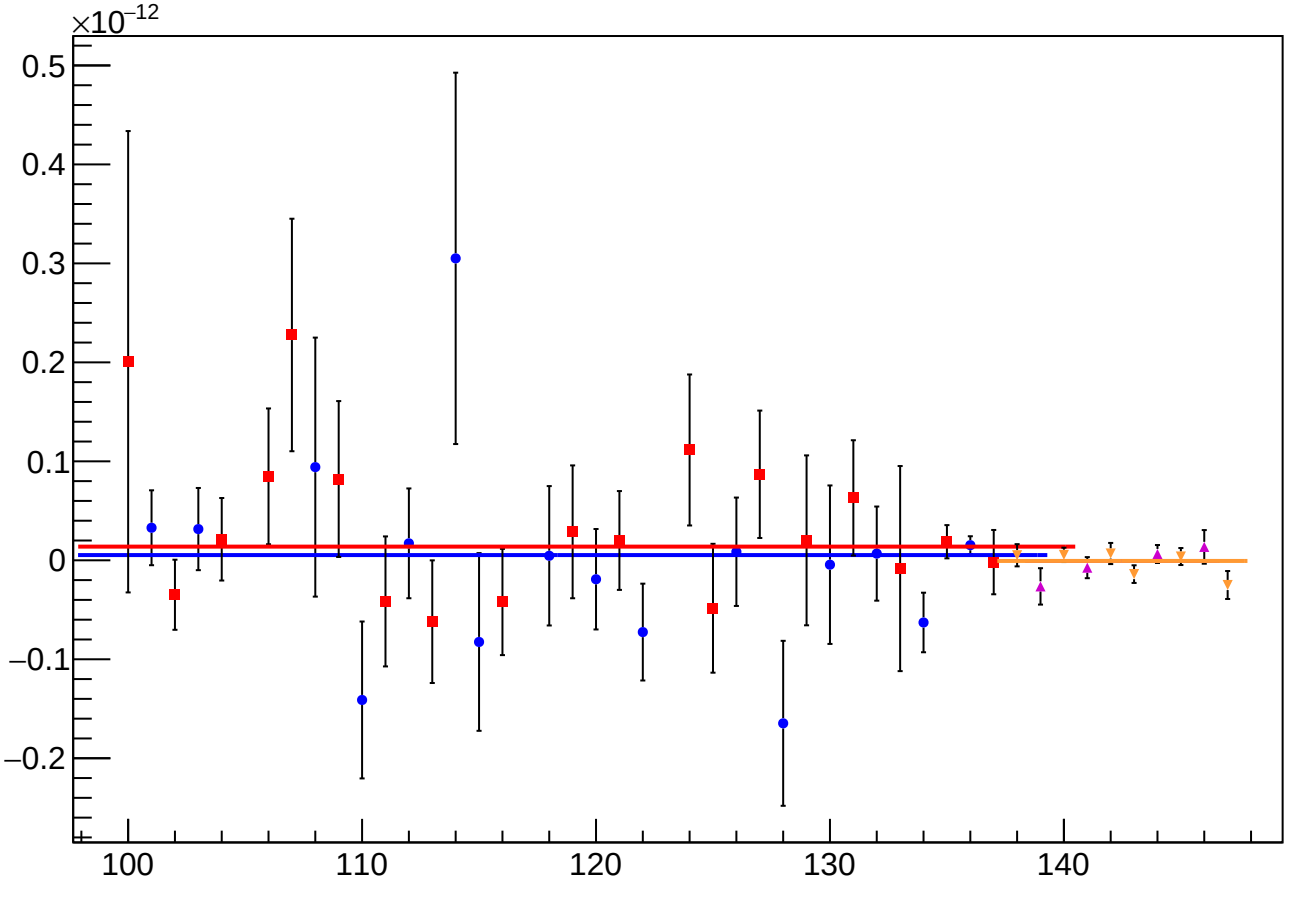
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

+ sign 36.062+/-0.008 χ^2/NDF: 1903289.6/21

All: 36.127+/-0.006 χ^2/NDF: 3948260.6/44

- sign 36.199+/-0.009 χ^2/NDF: 2044840.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/5

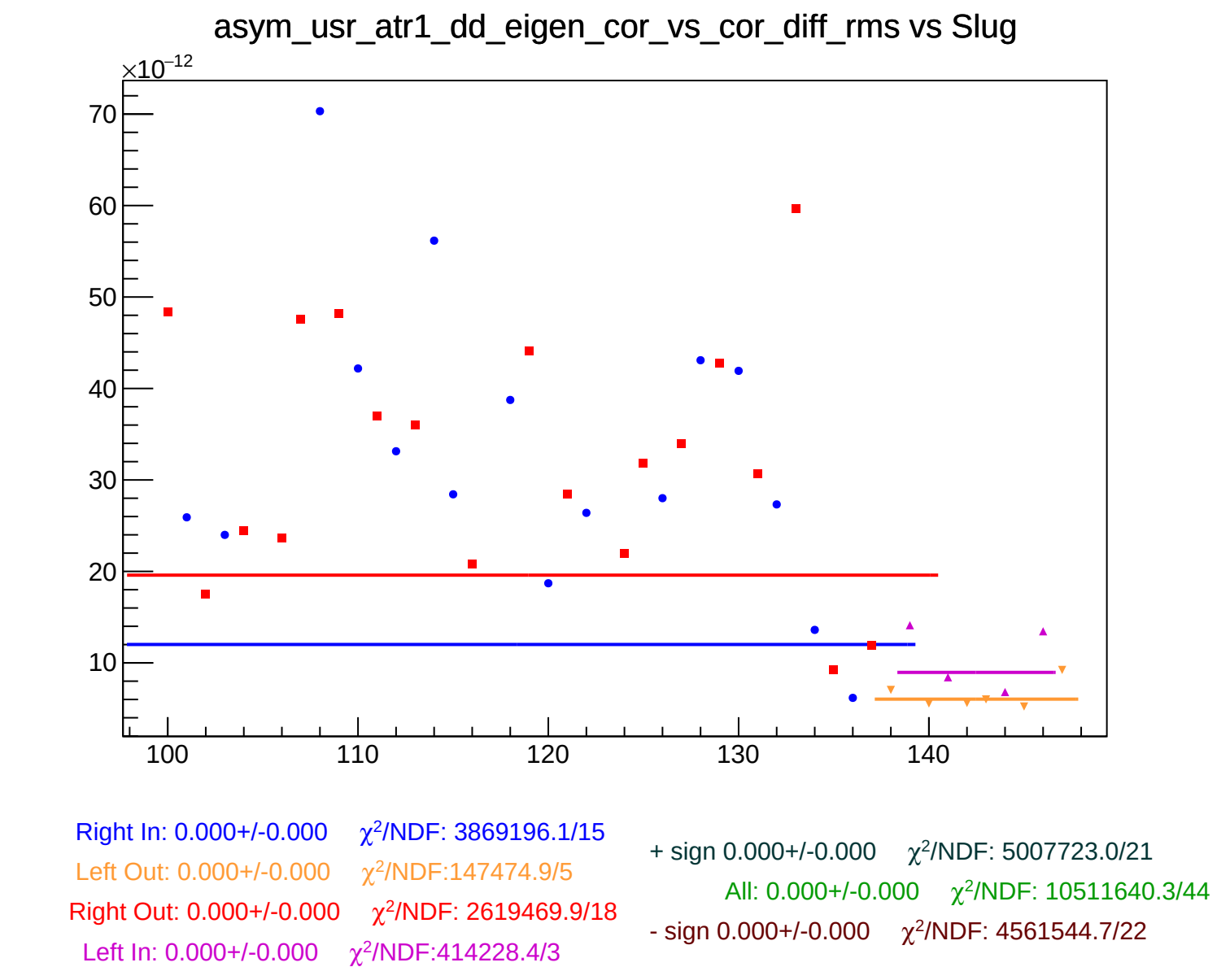
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/3

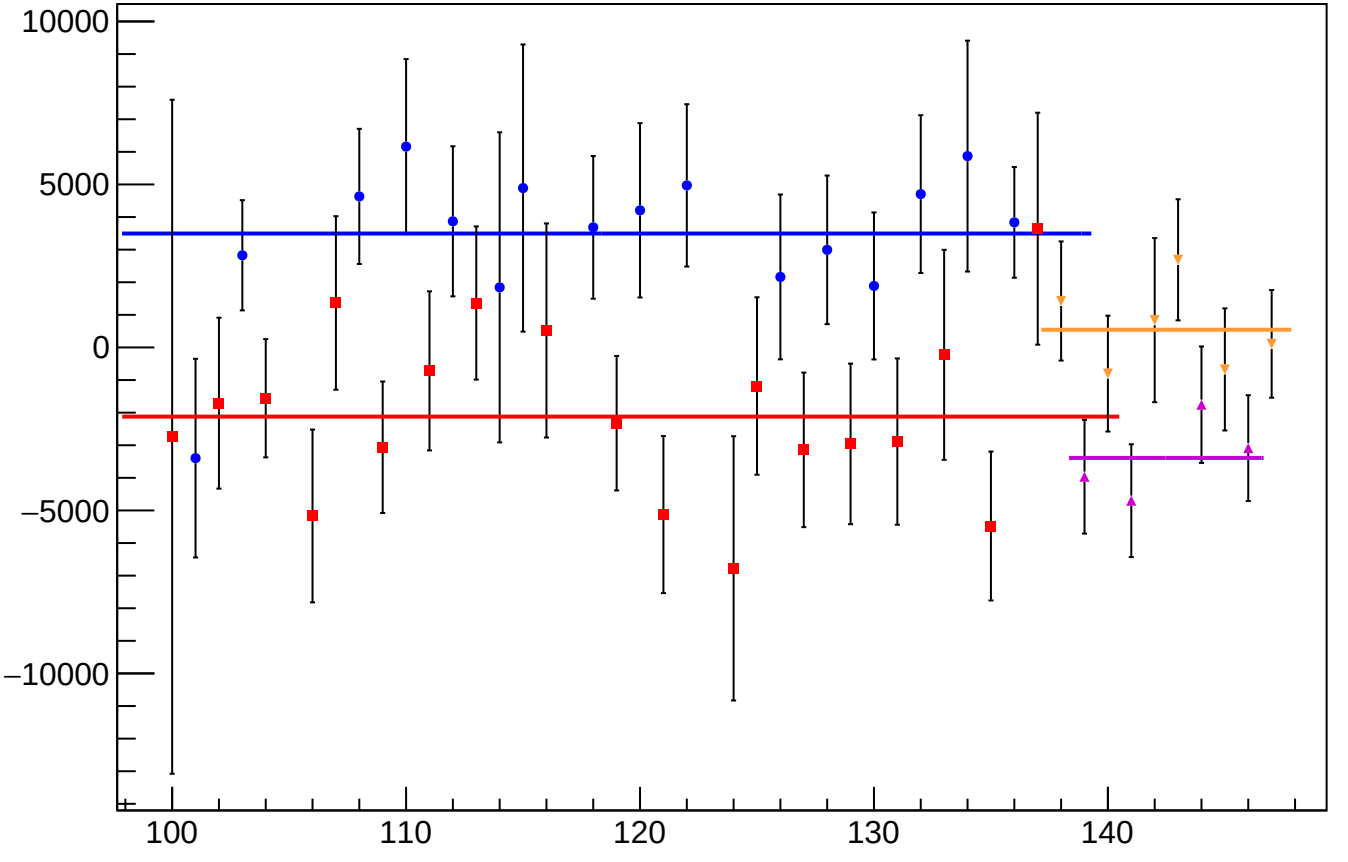
+ sign 0.000+/-0.000 χ^2/NDF: 29.1/21

All: 0.000+/-0.000 χ^2/NDF: 50.3/44

- sign 0.000+/-0.000 χ^2/NDF: 21.1/22


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:147474.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:414228.4/3
+ sign 0.000+/-0.000 χ²/NDF: 5007723.0/21
All: 0.000+/-0.000 χ²/NDF: 10511640.3/44
- sign 0.000+/-0.000 χ²/NDF: 4561544.7/22

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.237+/-763.560 χ^2/NDF:2.6/5

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

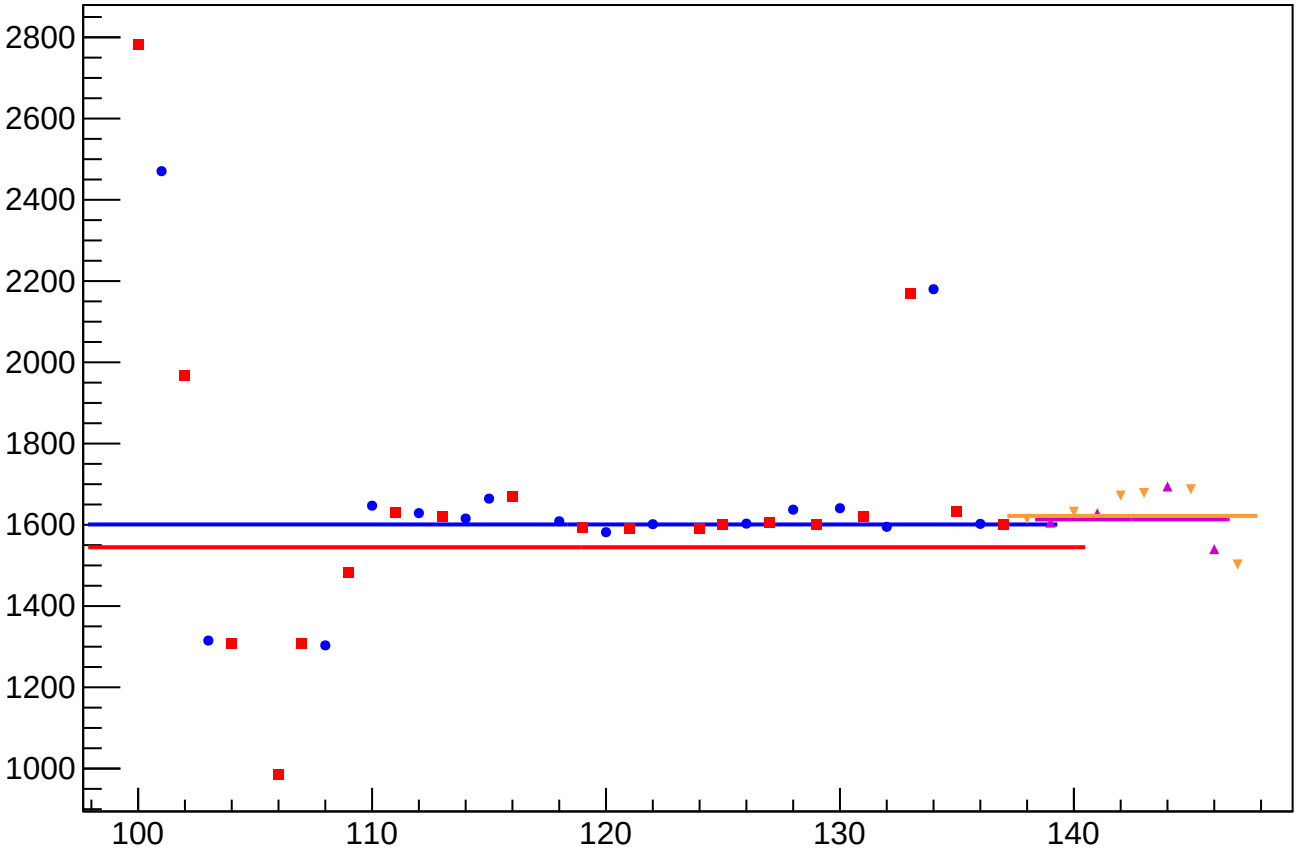
Left In: -3389.297+/-858.787 χ^2/NDF:1.6/3

+ sign 2365.029+/-472.348 χ^2/NDF: 20.7/21

All: -16.041+/-338.371 χ^2/NDF: 91.0/44

- sign -2525.931+/-484.958 χ^2/NDF: 18.1/22

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

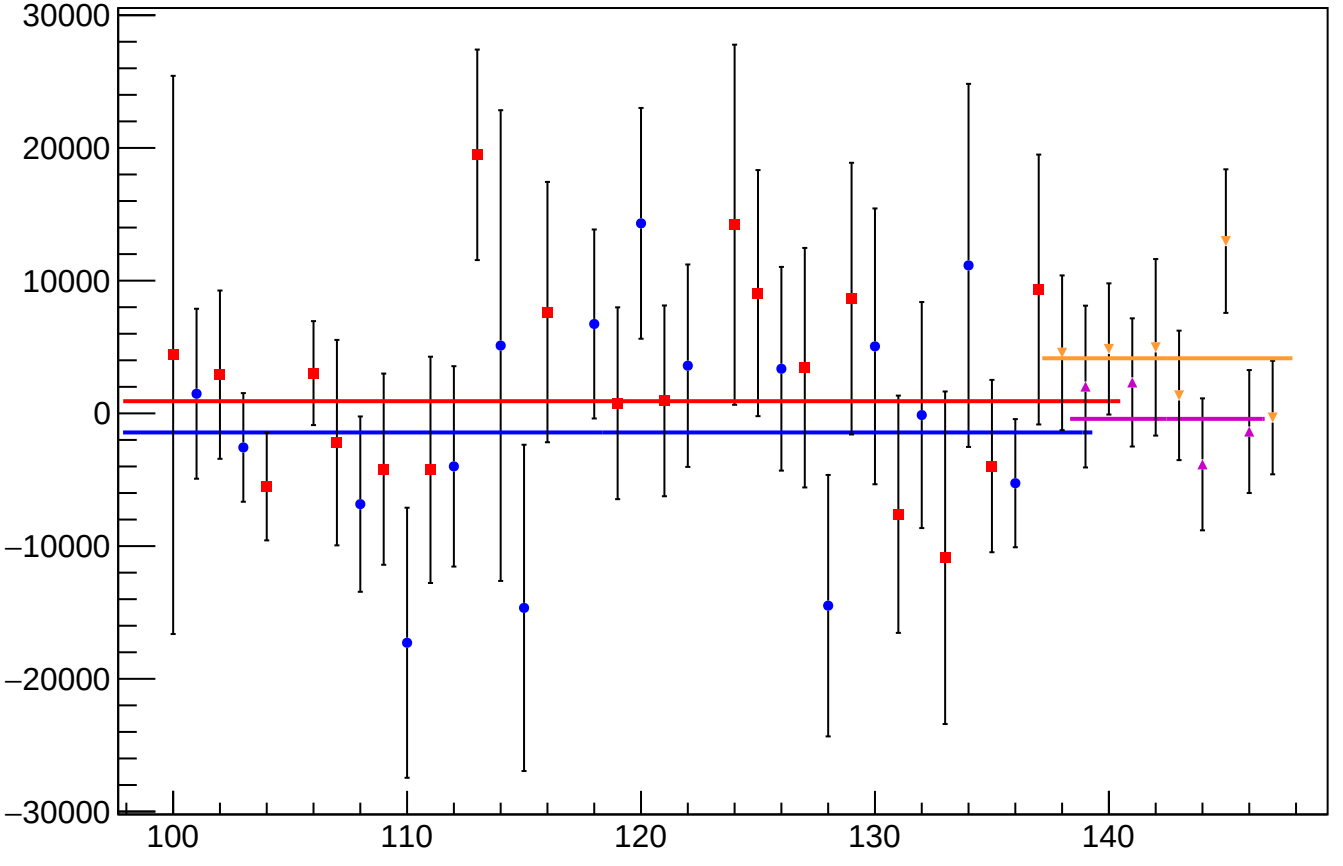
Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1608.945+/-0.334 χ^2/NDF: 334008.3/21

All: 1587.884+/-0.238 χ^2/NDF: 735385.7/44

- sign 1566.189+/-0.339 χ^2/NDF: 393305.0/22

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4151.618+/-2113.879 χ^2/NDF:4.1/5

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

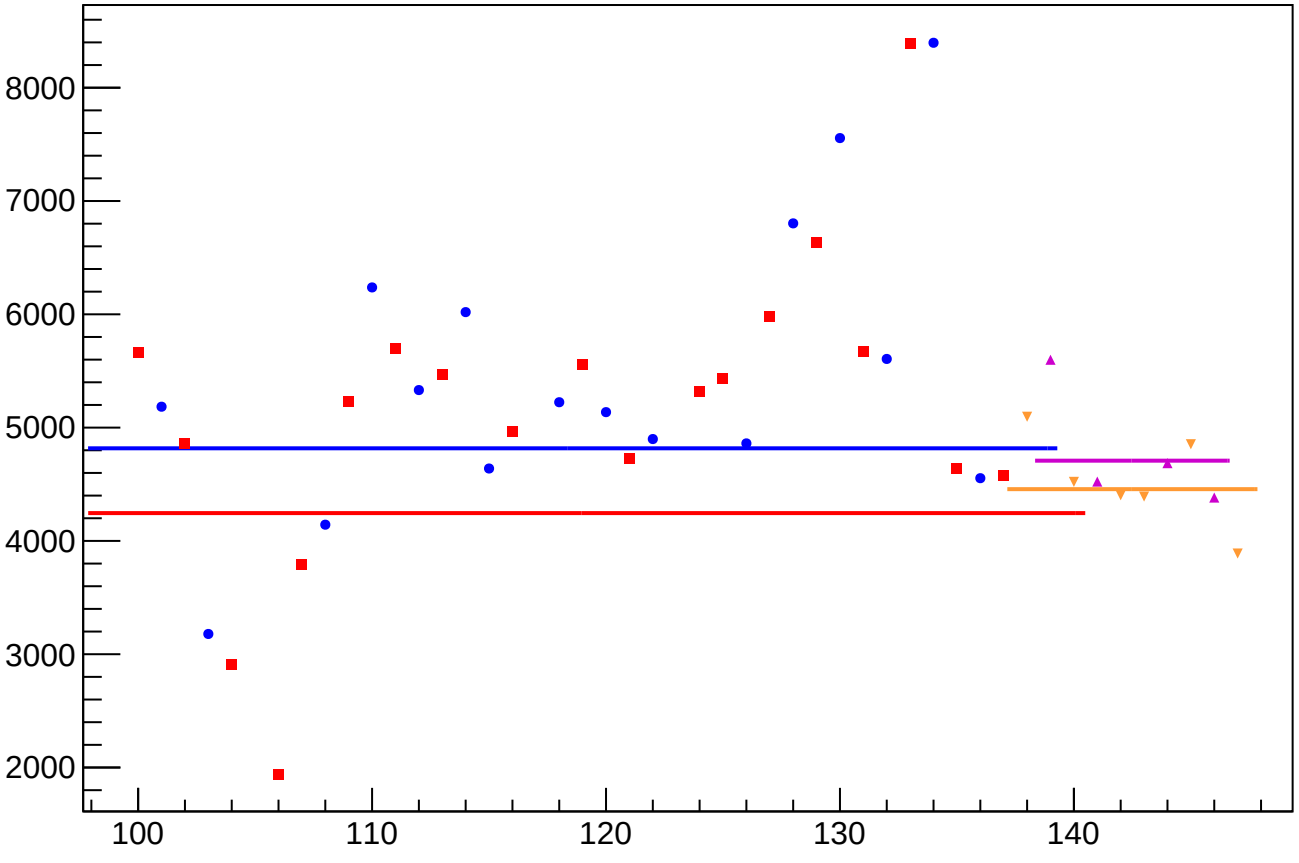
Left In: -412.887+/-2524.794 χ^2/NDF:1.0/3

+ sign 984.302+/-1391.420 χ^2/NDF: 21.9/21

All: 749.089+/-984.249 χ^2/NDF: 38.5/44

- sign 513.527+/-1392.456 χ^2/NDF: 16.5/22

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4456.826+/-1.495 χ^2/NDF:70871.2/5

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

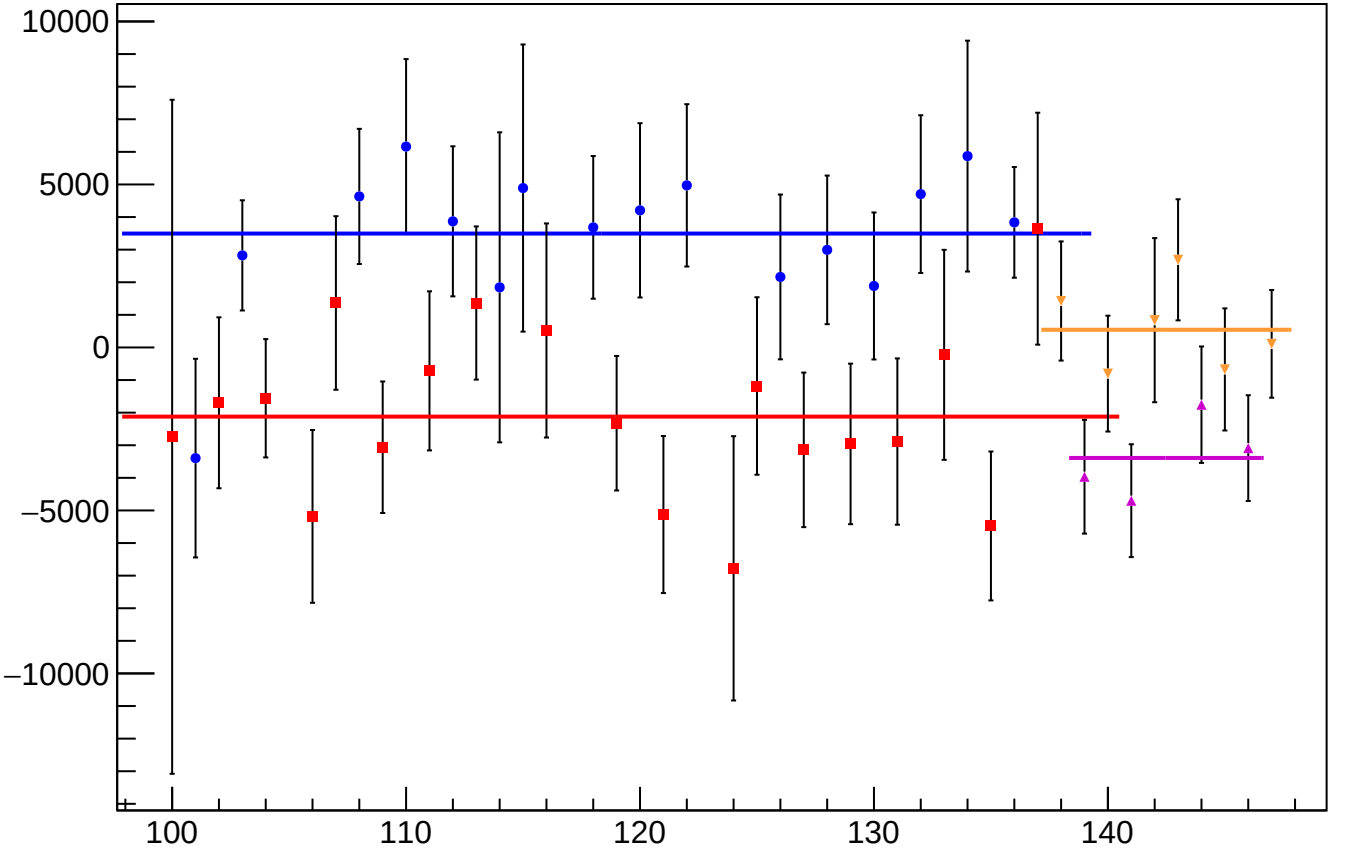
Left In: 4708.252+/-1.785 χ^2/NDF:55554.9/3

+ sign 4661.143+/-0.984 χ^2/NDF: 899270.9/21

All: 4523.812+/-0.696 χ^2/NDF: 2723722.7/44

- sign 4386.277+/-0.985 χ^2/NDF: 1785457.3/22

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

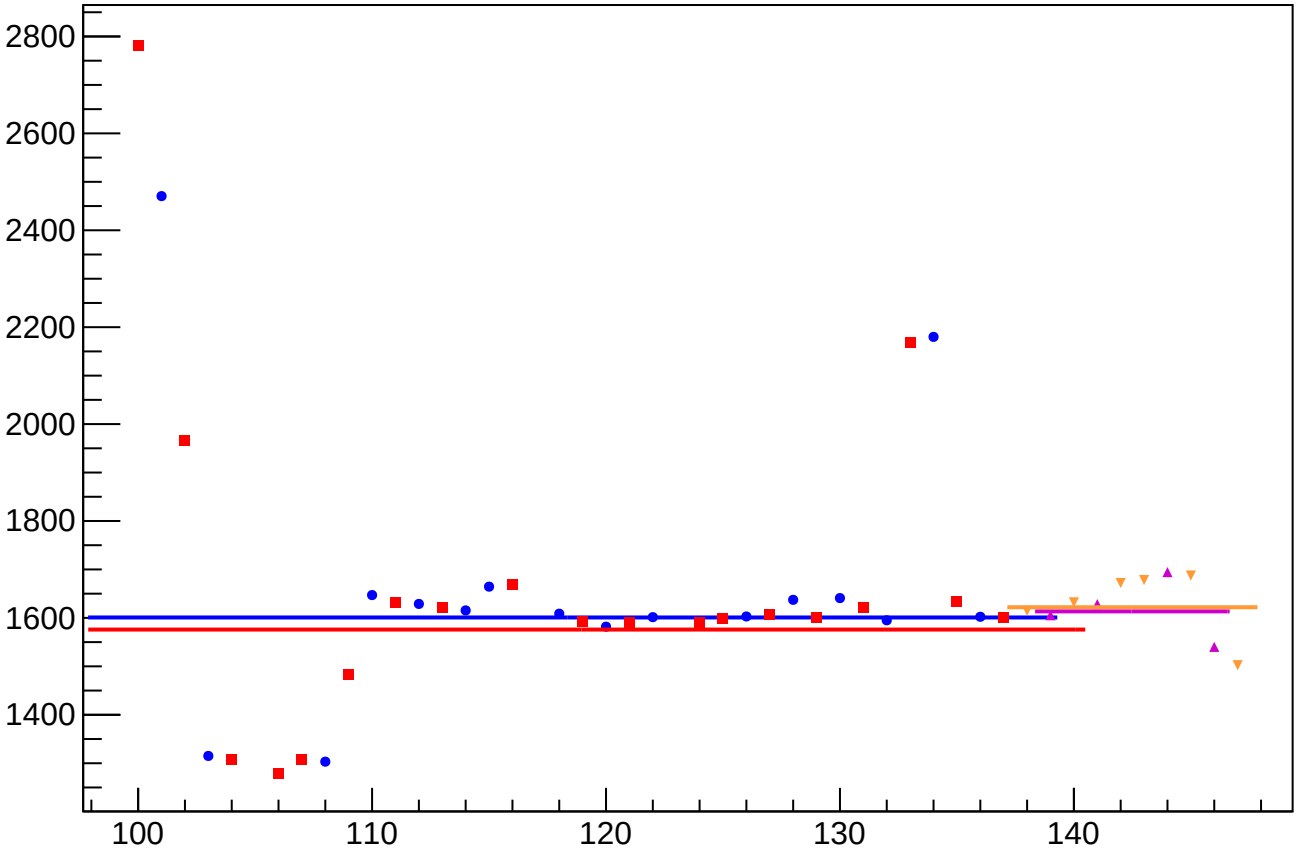
Left In: -3389.557+/-858.787 χ^2/NDF:1.6/3

+ sign 2364.803+/-472.348 χ^2/NDF: 20.7/21

All: -16.187+/-338.371 χ^2/NDF: 91.0/44

- sign -2526.011+/-484.959 χ^2/NDF: 18.1/22

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

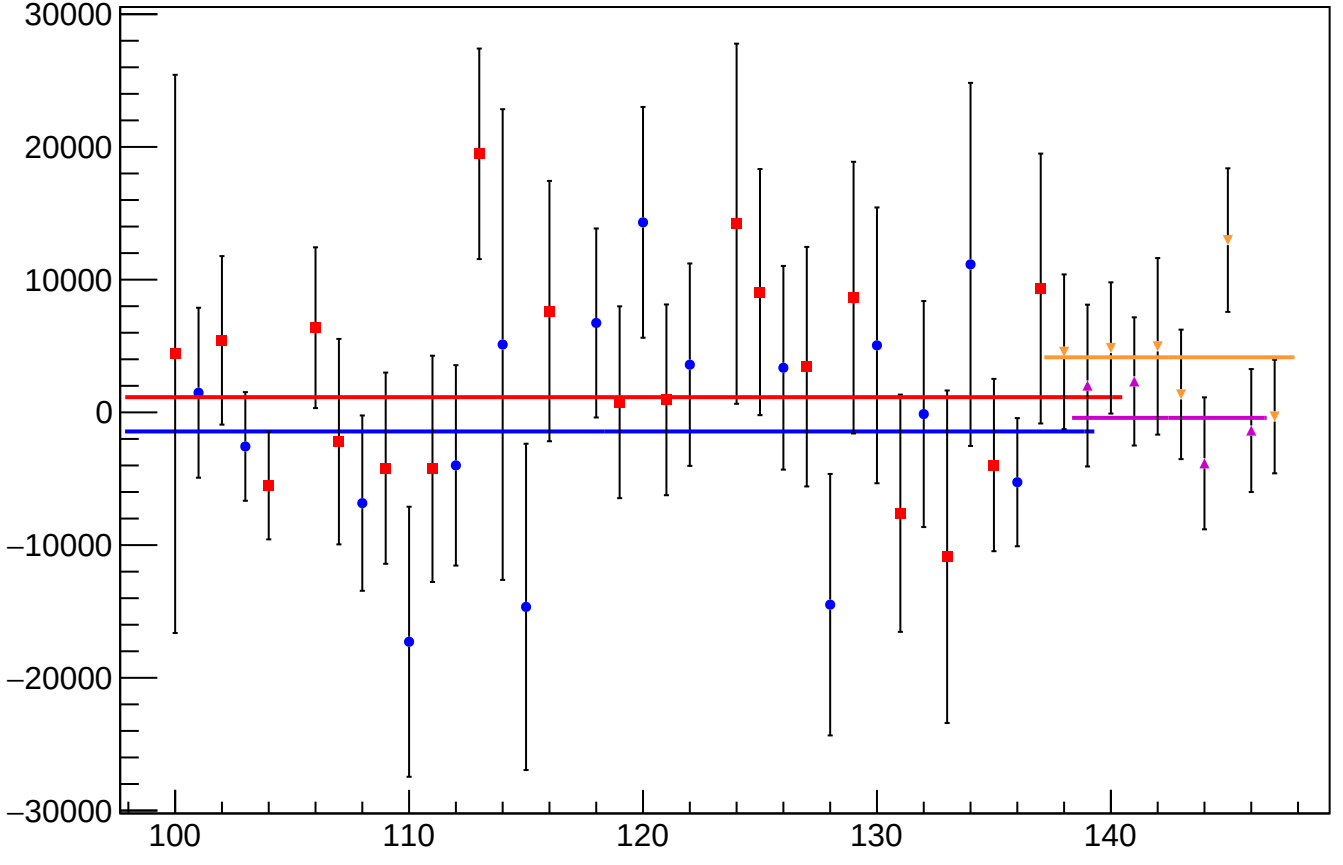
Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1608.946+/-0.334 χ^2/NDF: 334007.4/21

All: 1598.623+/-0.239 χ^2/NDF: 590293.5/44

- sign 1587.799+/-0.342 χ^2/NDF: 254329.2/22

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

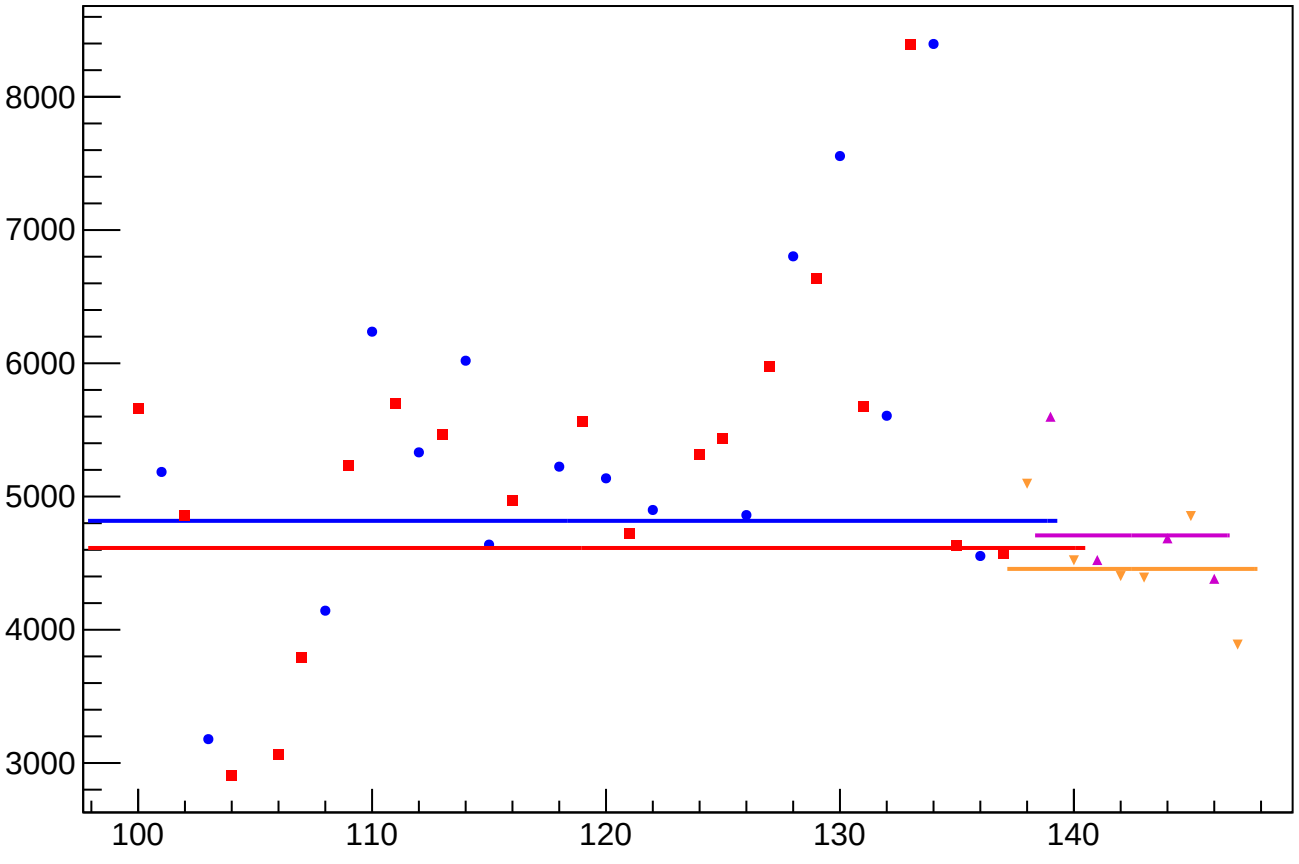
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -413.026+/-2524.794 χ^2/NDF:1.0/3

+ sign 984.193+/-1391.434 χ^2/NDF: 21.9/21

All: 816.013+/-1002.891 χ^2/NDF: 39.5/44

- sign 634.185+/-1446.790 χ^2/NDF: 17.5/22



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

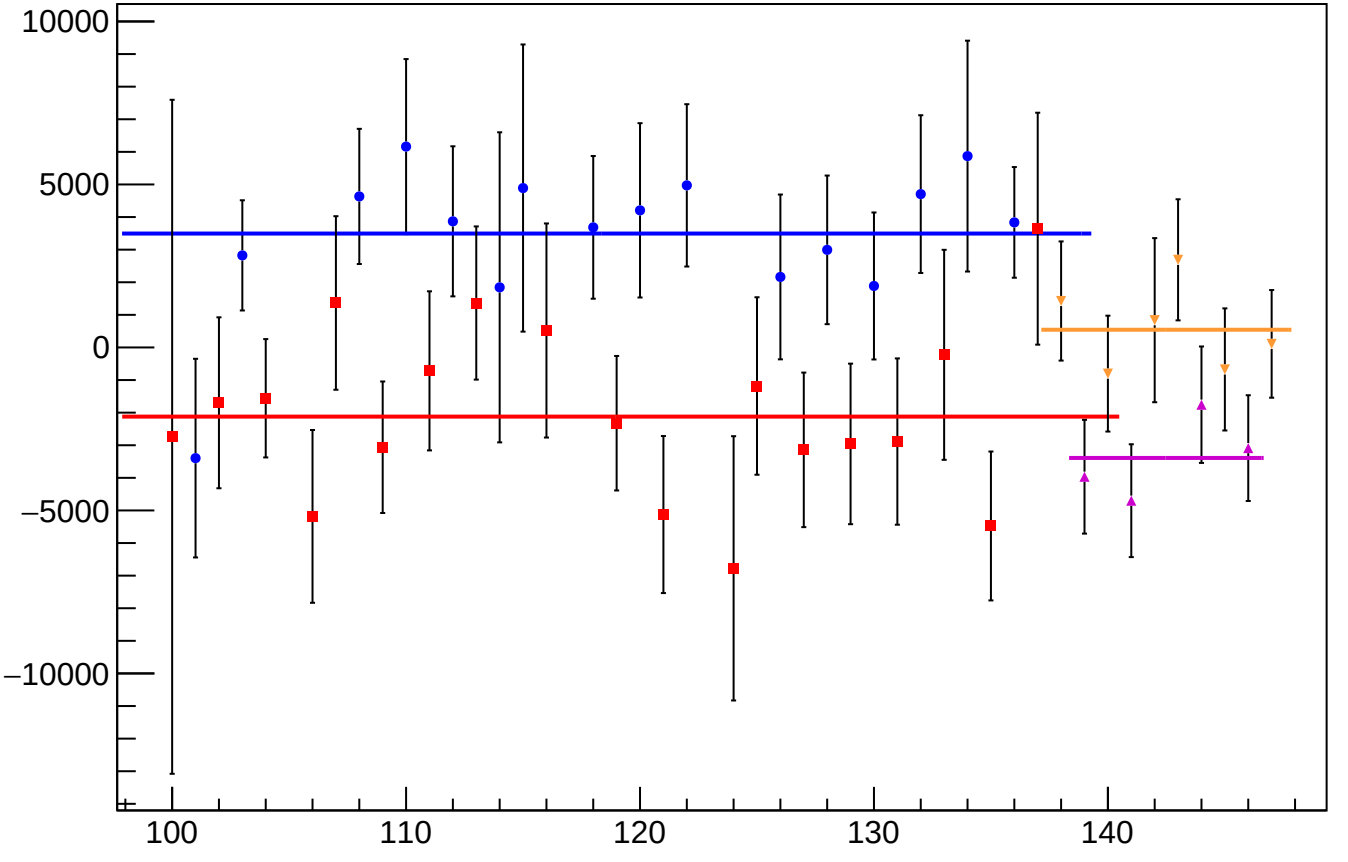
Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

+ sign 4661.210+/-0.984 χ^2/NDF: 899099.6/21

All: 4653.349+/-0.709 χ^2/NDF: 1934622.8/44

- sign 4644.849+/-1.023 χ^2/NDF: 1035390.3/22

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

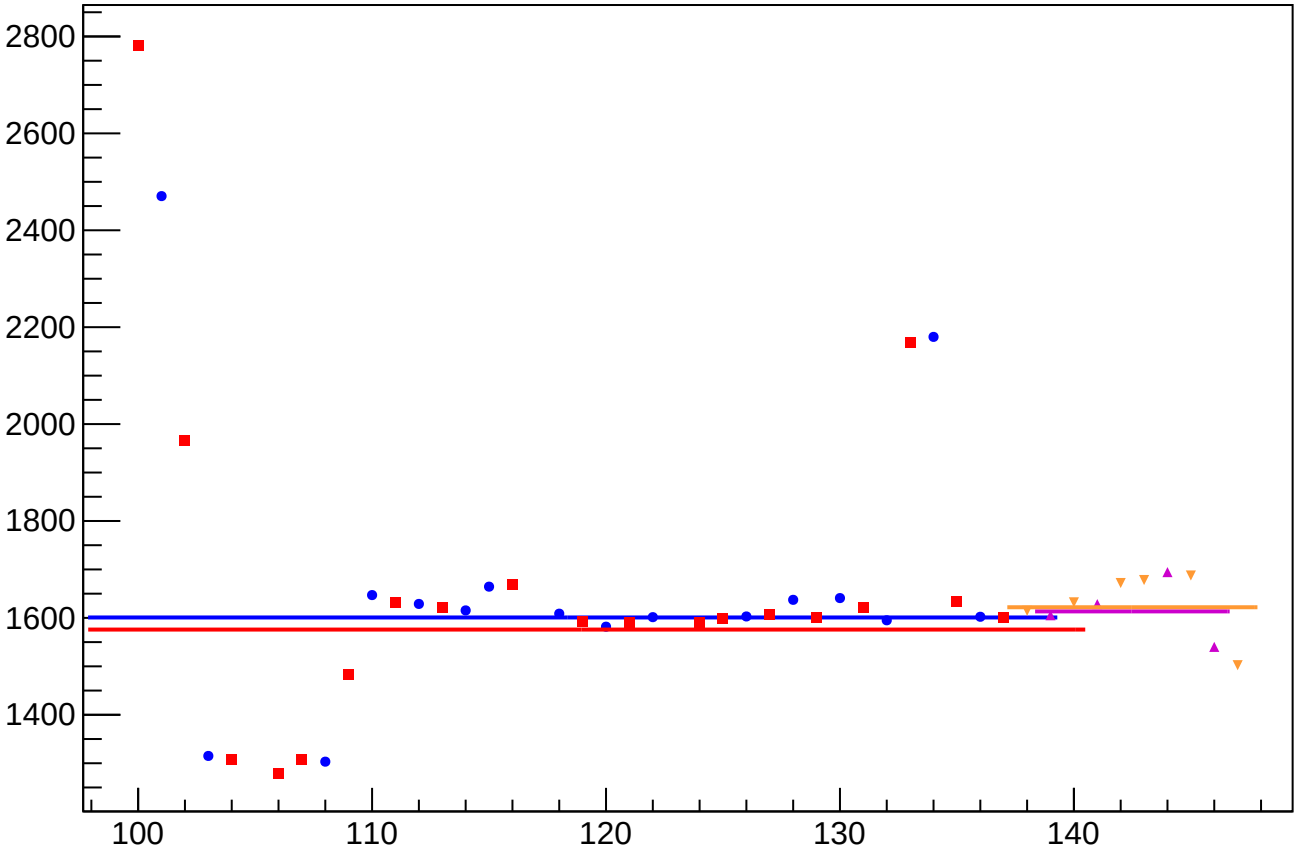
Left In: -3389.557+/-858.787 χ^2/NDF:1.6/3

+ sign 2364.803+/-472.348 χ^2/NDF: 20.7/21

All: -16.187+/-338.371 χ^2/NDF: 91.0/44

- sign -2526.011+/-484.959 χ^2/NDF: 18.1/22

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

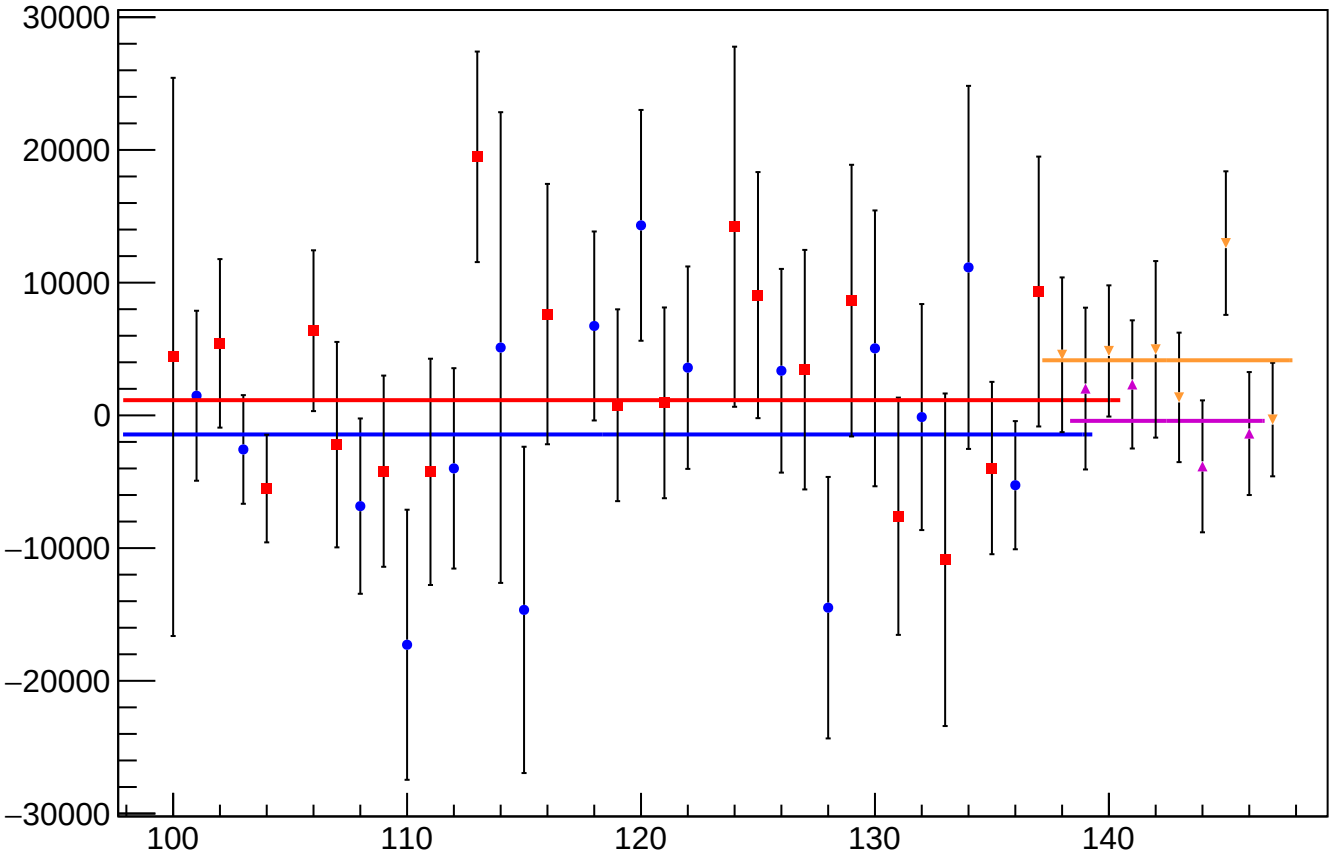
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1608.946+/-0.334 χ^2/NDF: 334007.4/21

All: 1598.623+/-0.239 χ^2/NDF: 590293.5/44

- sign 1587.799+/-0.342 χ^2/NDF: 254329.2/22



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

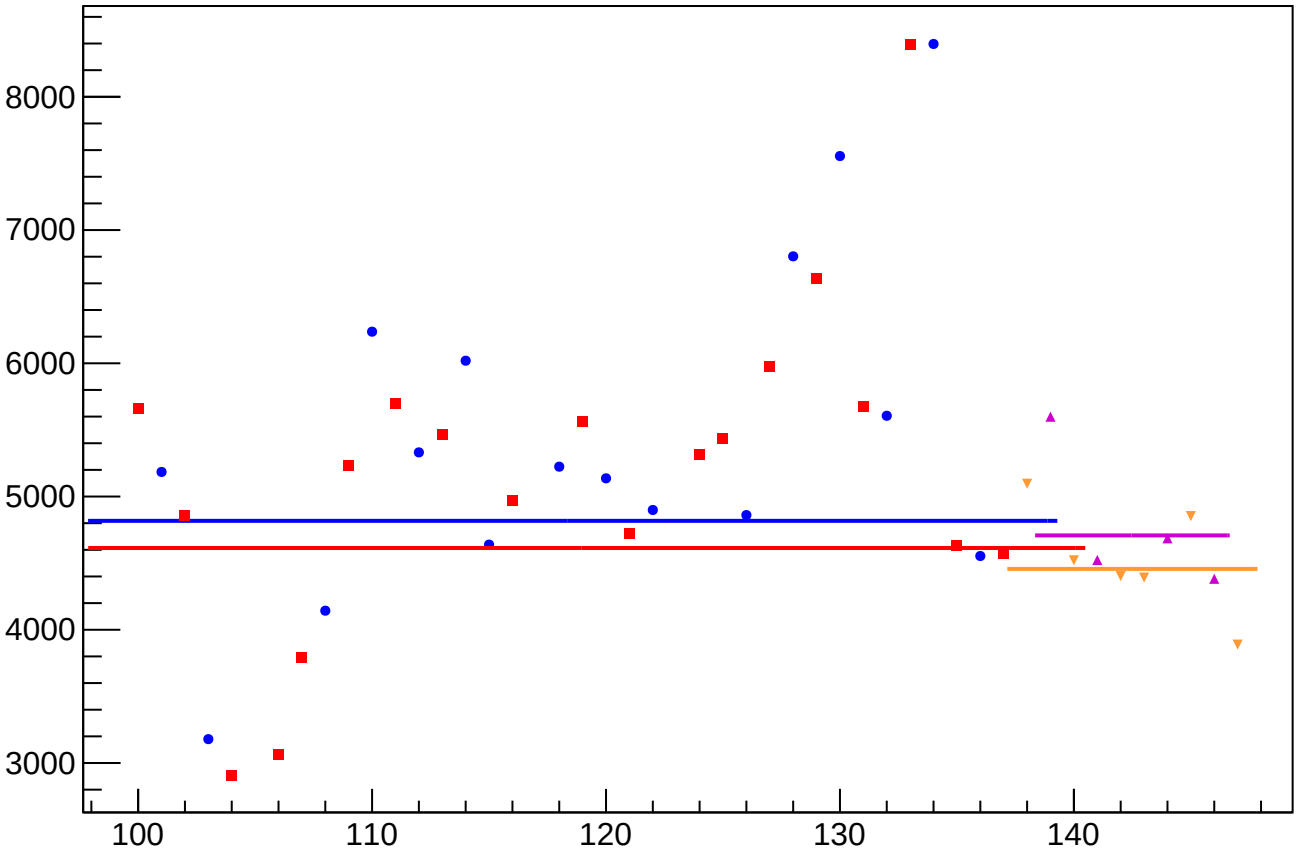
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -413.026+/-2524.794 χ^2/NDF:1.0/3

+ sign 984.193+/-1391.434 χ^2/NDF: 21.9/21

All: 816.013+/-1002.891 χ^2/NDF: 39.5/44

- sign 634.185+/-1446.790 χ^2/NDF: 17.5/22



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

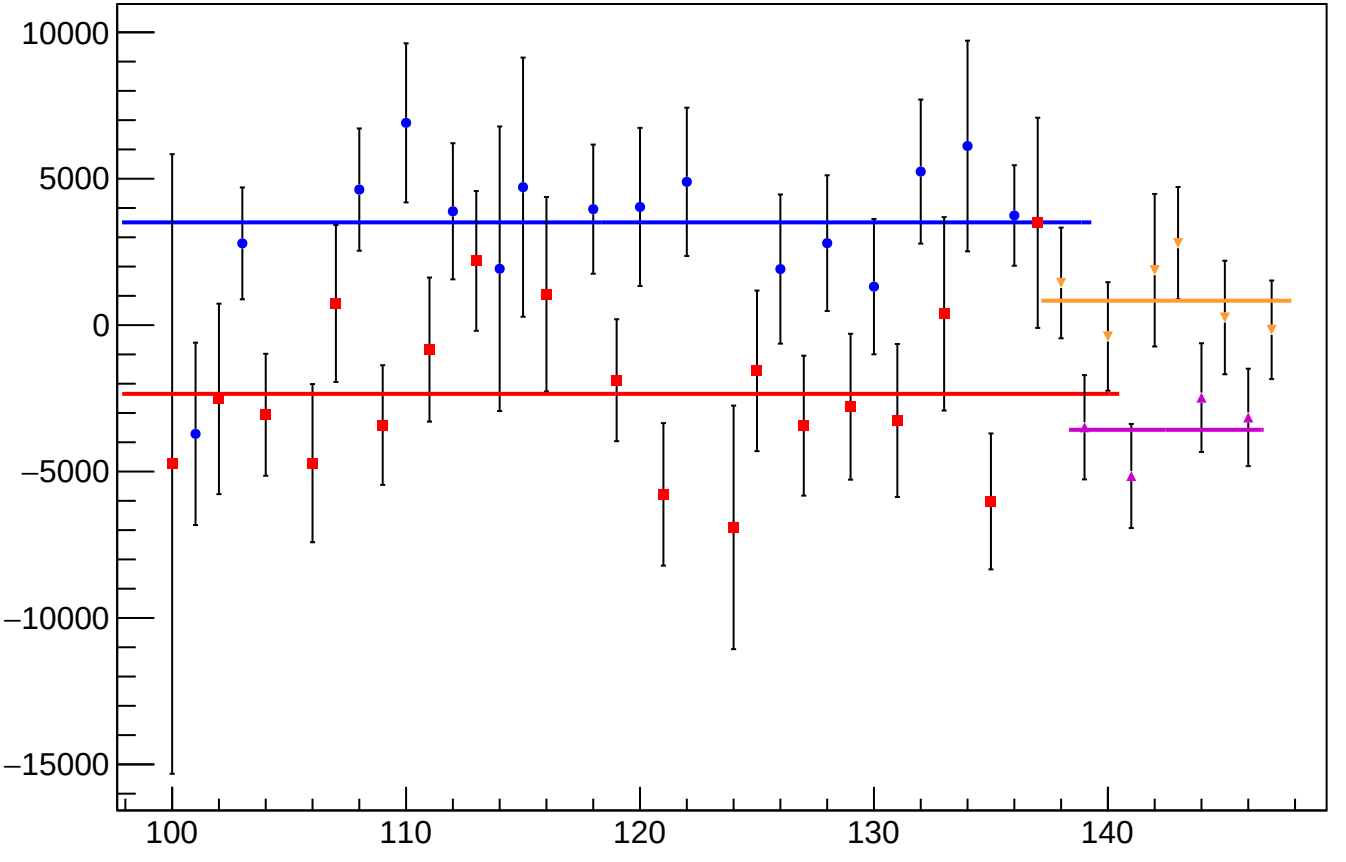
Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

+ sign 4661.210+/-0.984 χ^2/NDF: 899099.6/21

All: 4653.349+/-0.709 χ^2/NDF: 1934622.8/44

- sign 4644.849+/-1.023 χ^2/NDF: 1035390.3/22

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.510+/-788.218 χ^2/NDF:2.2/5

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

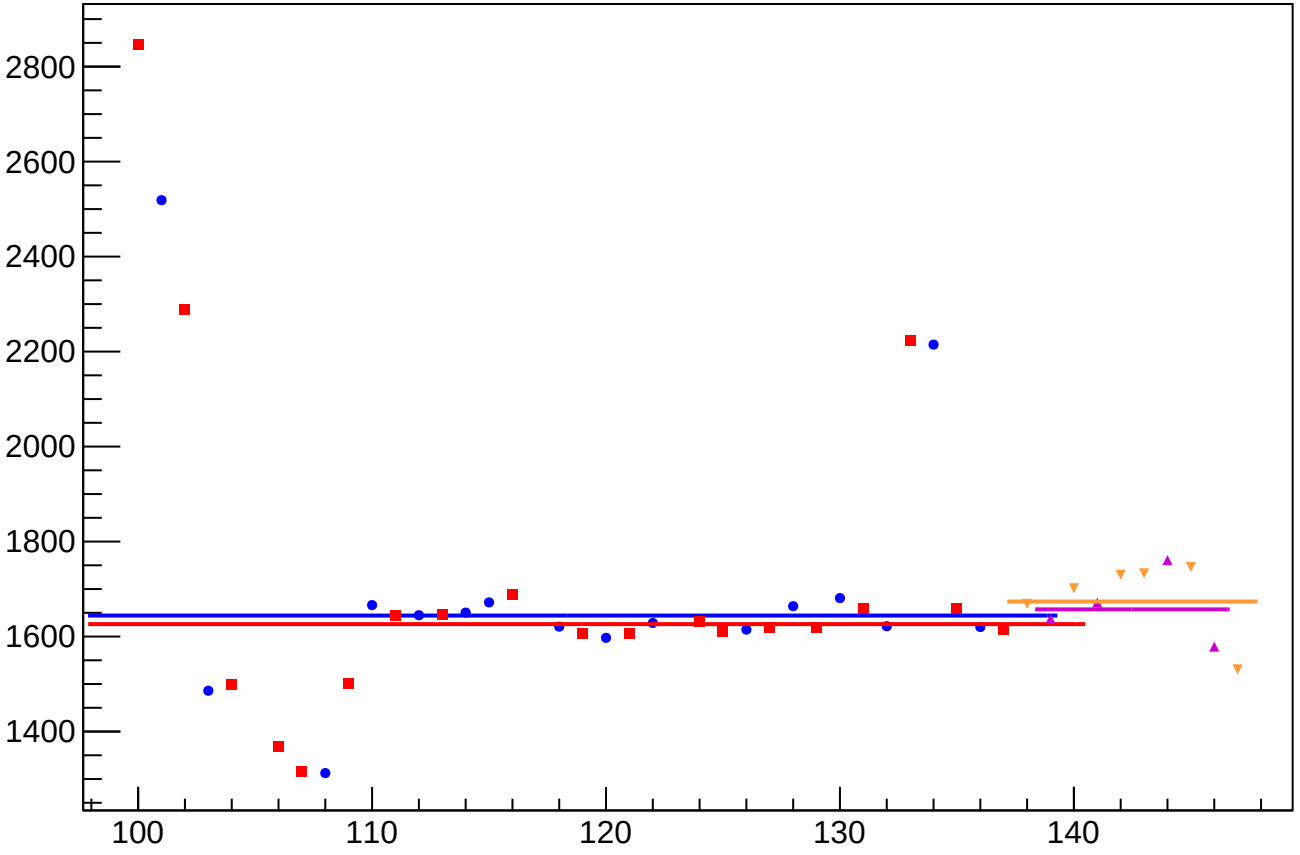
Left In: -3574.411+/-882.352 χ^2/NDF:1.2/3

+ sign 2493.357+/-485.716 χ^2/NDF: 19.7/21

All: -46.342+/-348.519 χ^2/NDF: 95.7/44

- sign -2741.628+/-500.373 χ^2/NDF: 19.6/22

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1673.725+/-0.557 χ^2/NDF:20560.7/5

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

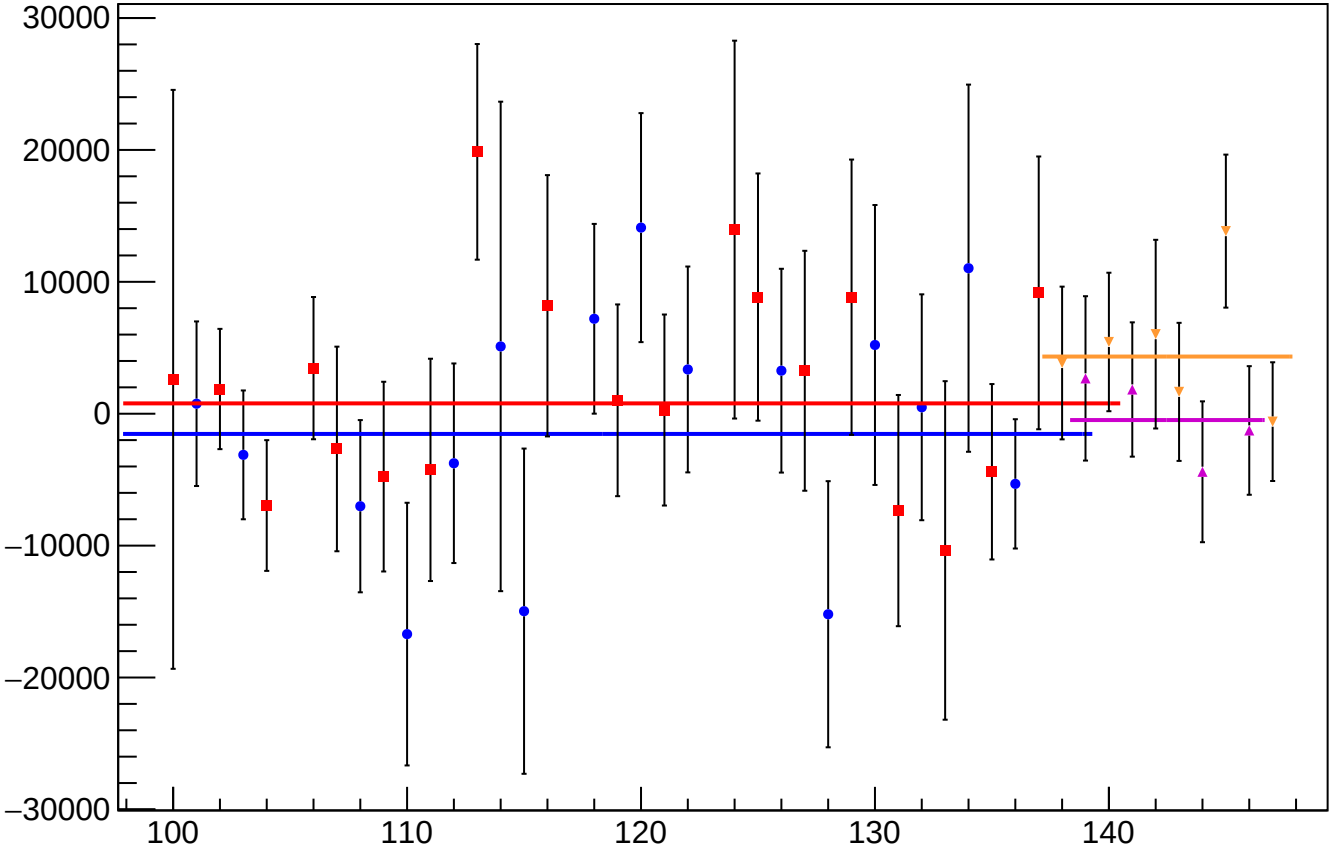
Left In: 1657.235+/-0.624 χ^2/NDF:11070.7/3

+ sign 1655.410+/-0.343 χ^2/NDF: 297119.4/21

All: 1646.061+/-0.246 χ^2/NDF: 549038.0/44

- sign 1636.151+/-0.354 χ^2/NDF: 250392.2/22

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4334.684+/-2229.141 χ^2/NDF:4.3/5

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

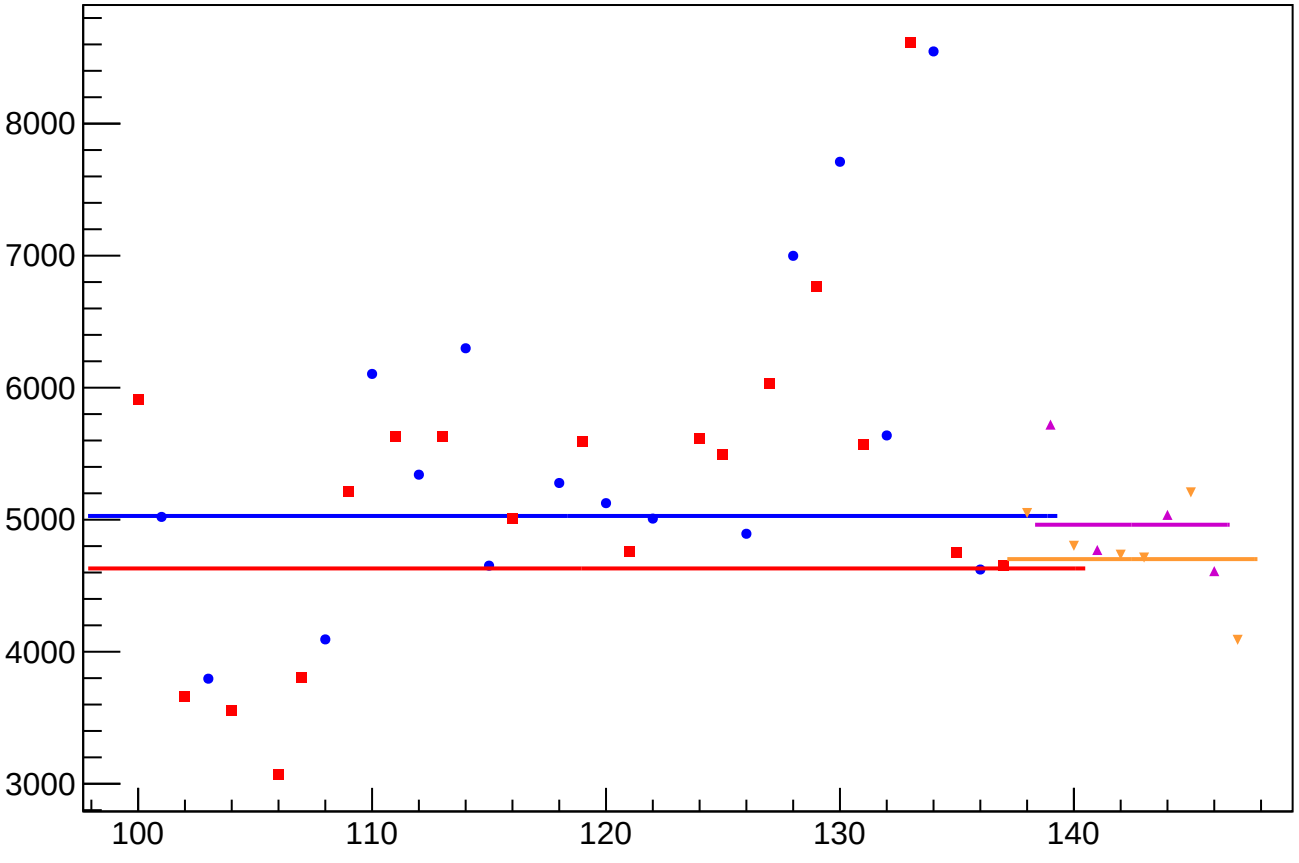
Left In: -479.752+/-2658.744 χ^2/NDF:1.0/3

\+ sign 957.305+/-1452.064 χ^2/NDF: 22.1/21

All: 681.640+/-1029.886 χ^2/NDF: 38.4/44

\- sign 402.597+/-1460.935 χ^2/NDF: 16.2/22

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4701.573+/-1.576 χ^2/NDF:60141.6/5

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

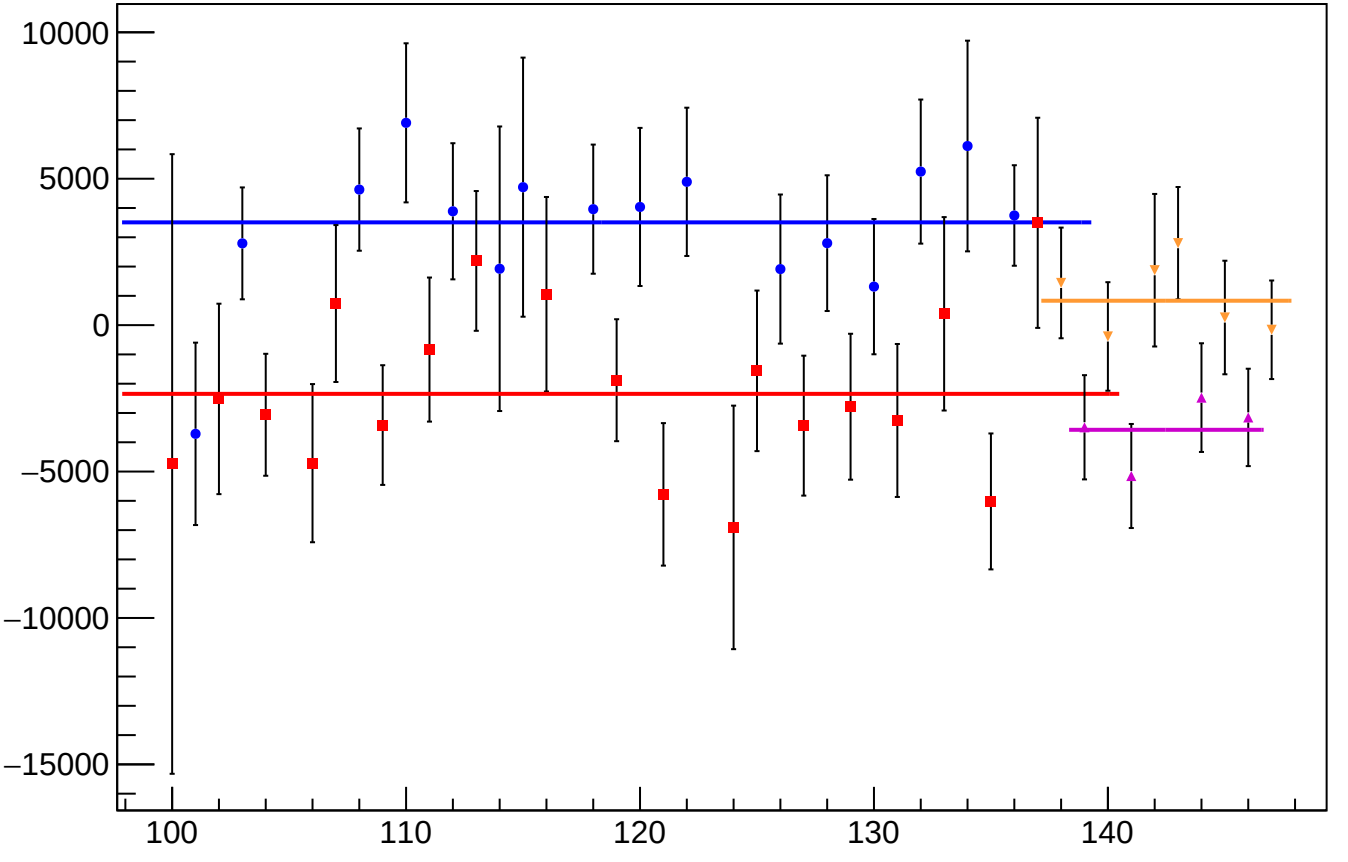
Left In: 4962.009+/-1.880 χ^2/NDF:43227.1/3

+ sign 4889.748+/-1.027 χ^2/NDF: 650368.2/21

All: 4810.794+/-0.728 χ^2/NDF: 1590661.5/44

- sign 4730.873+/-1.033 χ^2/NDF: 928395.0/22

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.511+/-788.218 χ^2/NDF:2.2/5

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

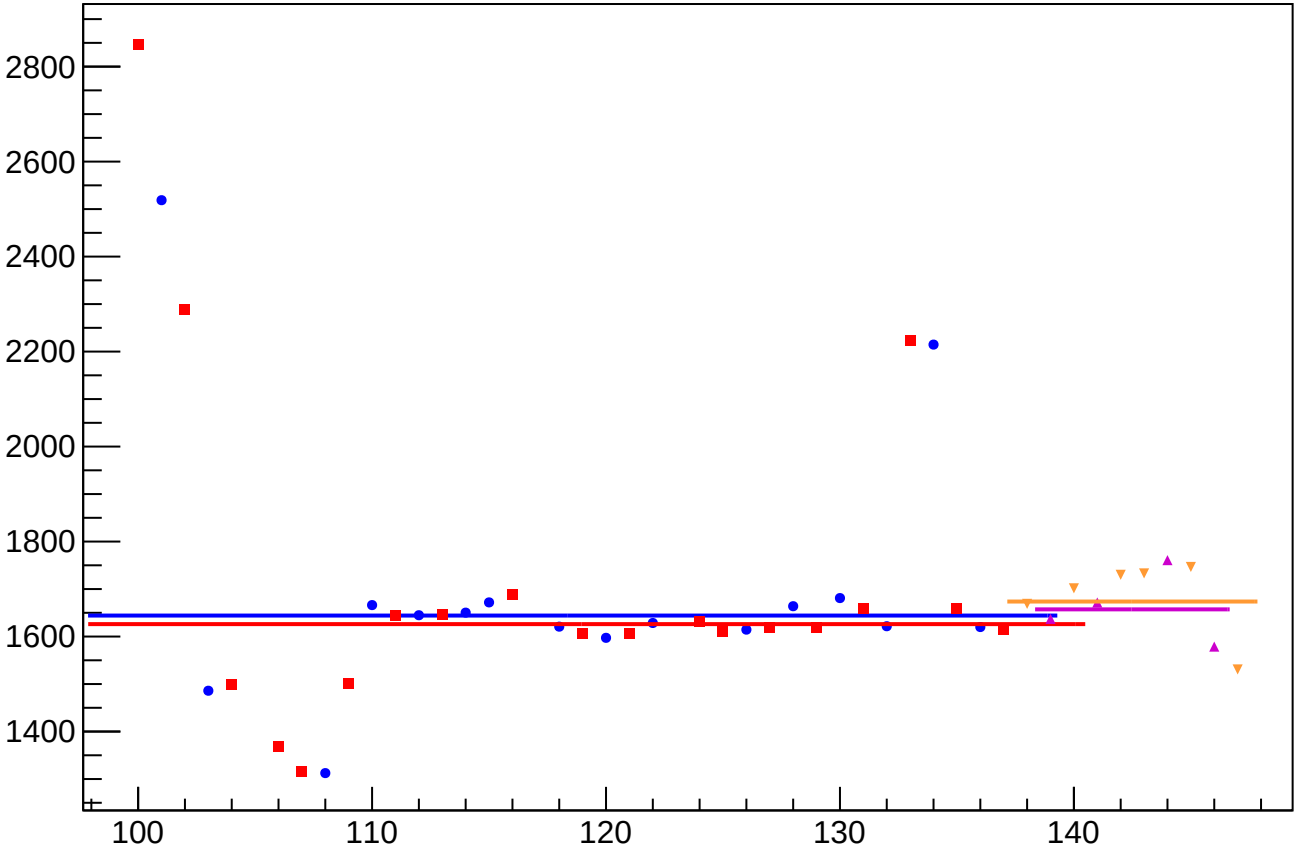
Left In: -3574.402+/-882.353 χ^2/NDF:1.2/3

+ sign 2493.360+/-485.716 χ^2/NDF: 19.7/21

All: -46.340+/-348.519 χ^2/NDF: 95.7/44

- sign -2741.629+/-500.373 χ^2/NDF: 19.6/22

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1673.726+/-0.557 χ^2/NDF:20560.8/5

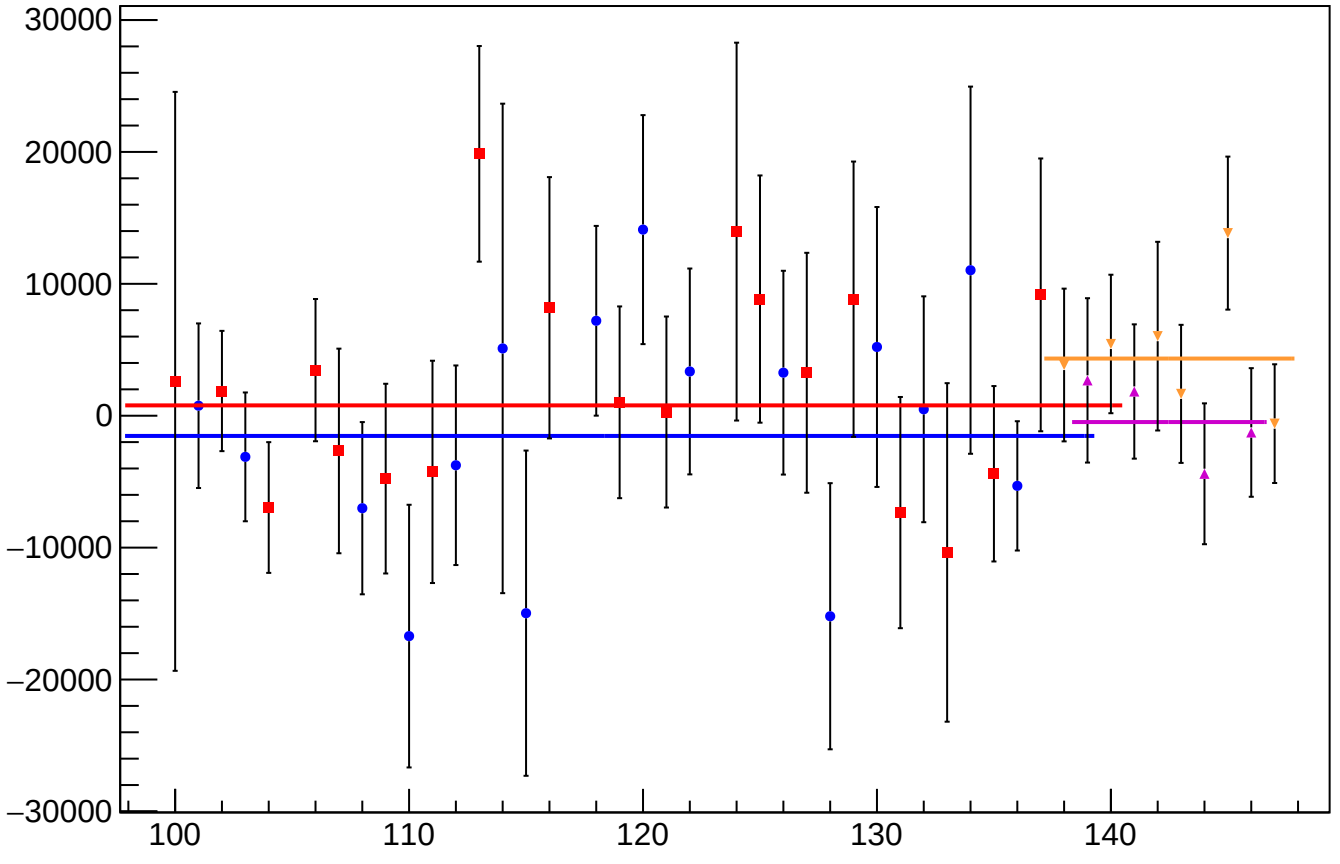
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1657.236+/-0.624 χ^2/NDF:11070.6/3

+ sign 1655.410+/-0.343 χ^2/NDF: 297119.9/21

All: 1646.061+/-0.246 χ^2/NDF: 549038.2/44

- sign 1636.151+/-0.354 χ^2/NDF: 250391.9/22



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4334.686+/-2229.145 χ^2/NDF:4.3/5

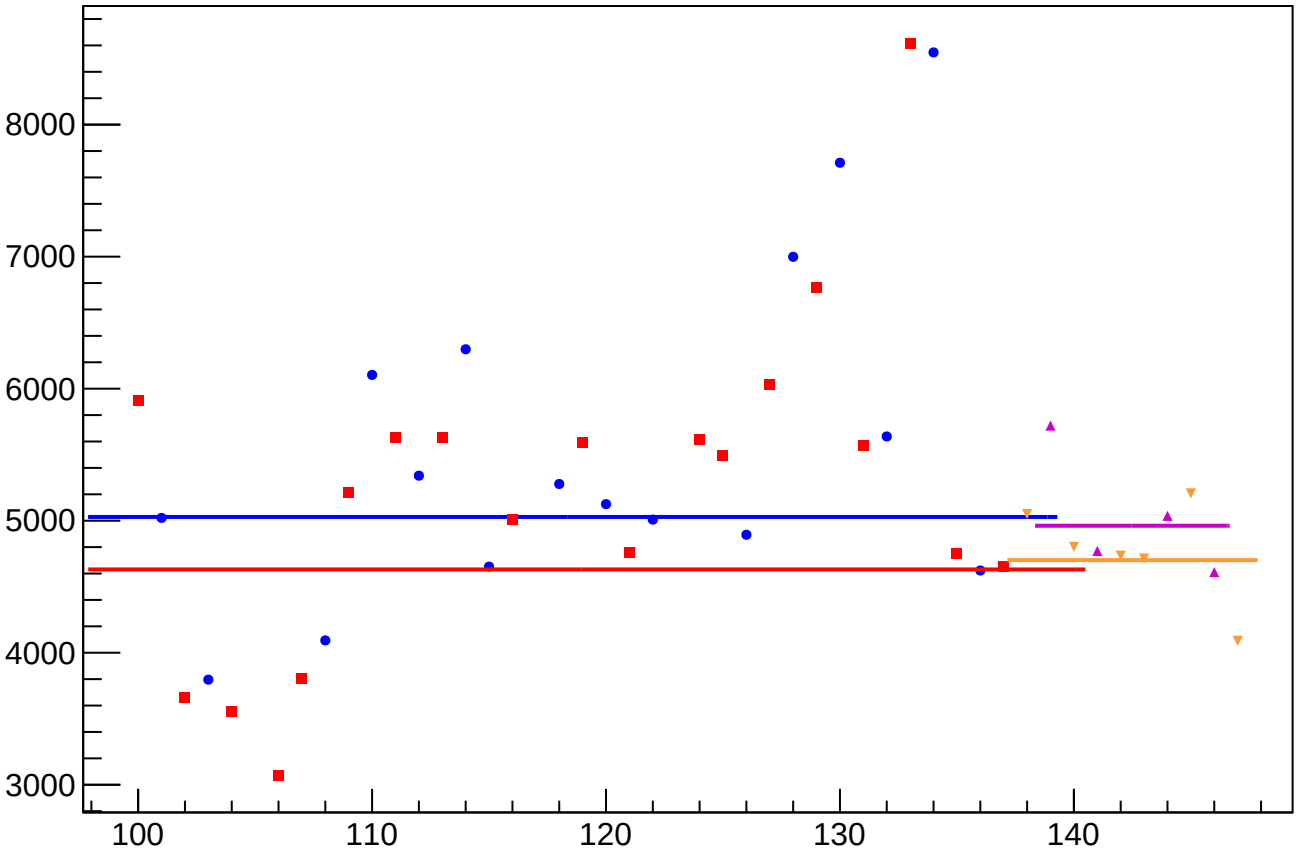
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -479.742+/-2658.748 χ^2/NDF:1.0/3

\+ sign 957.305+/-1452.064 χ^2/NDF: 22.1/21

All: 681.643+/-1029.886 χ^2/NDF: 38.4/44

\- sign 402.603+/-1460.934 χ^2/NDF: 16.2/22



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4701.580+/-1.576 χ^2/NDF:60141.8/5

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

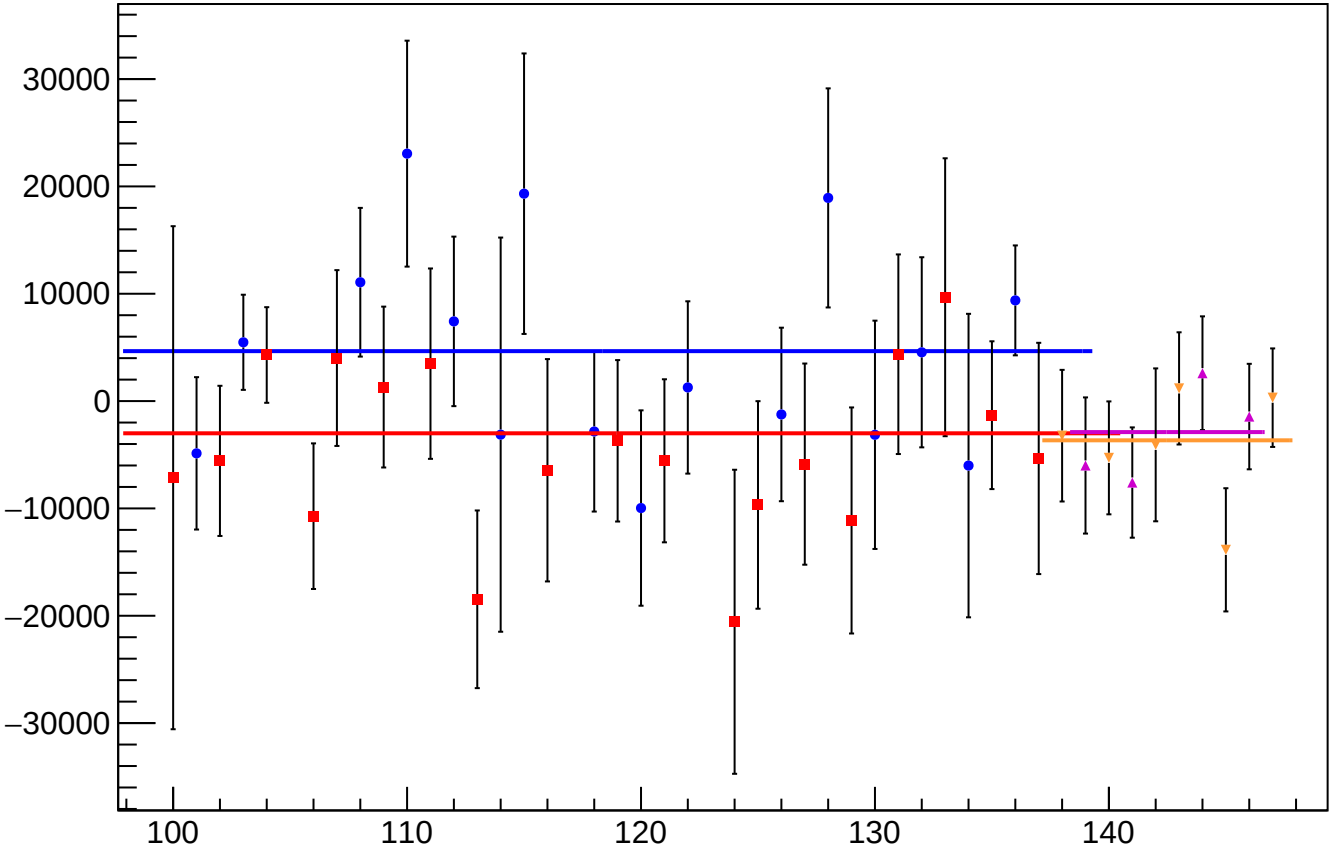
Left In: 4962.016+/-1.880 χ^2/NDF:43227.7/3

+ sign 4889.748+/-1.027 χ^2/NDF: 650360.1/21

All: 4810.793+/-0.728 χ^2/NDF: 1590650.1/44

- sign 4730.870+/-1.033 χ^2/NDF: 928391.2/22

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -3655.296+/-2253.643 χ^2/NDF:4.9/5

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

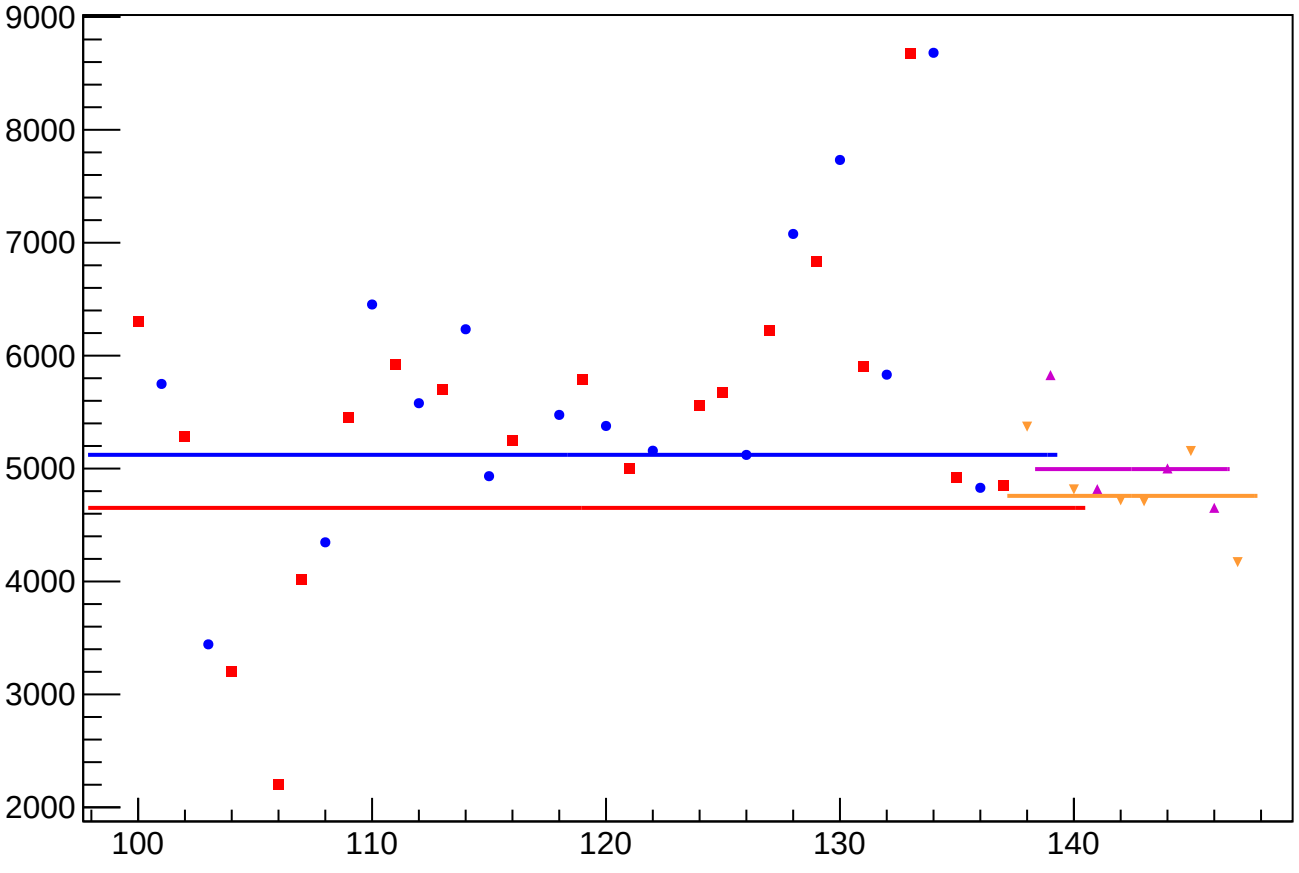
Left In: -2888.571+/-2674.709 χ^2/NDF:2.2/3

+ sign 1078.252+/-1478.279 χ^2/NDF: 28.1/21

All: -860.625+/-1066.326 χ^2/NDF: 47.8/44

- sign -2963.735+/-1539.615 χ^2/NDF: 16.1/22

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4758.209+/-1.594 χ^2/NDF:62765.2/5

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

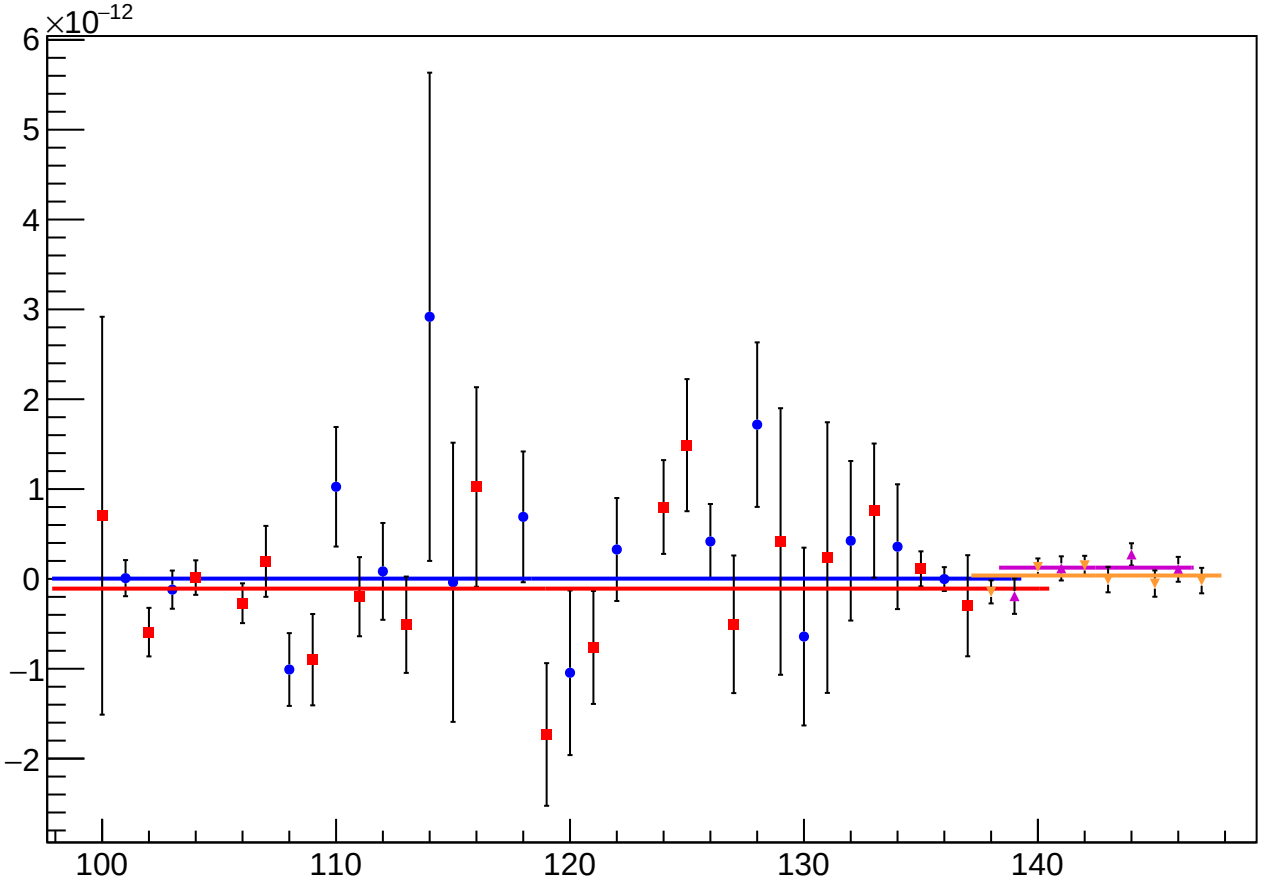
Left In: 4995.298+/-1.891 χ^2/NDF:46552.8/3

+ sign 4965.268+/-1.045 χ^2/NDF: 812768.6/21

All: 4863.943+/-0.744 χ^2/NDF: 2245881.5/44

- sign 4759.699+/-1.060 χ^2/NDF: 1414049.8/22

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:4.7/5

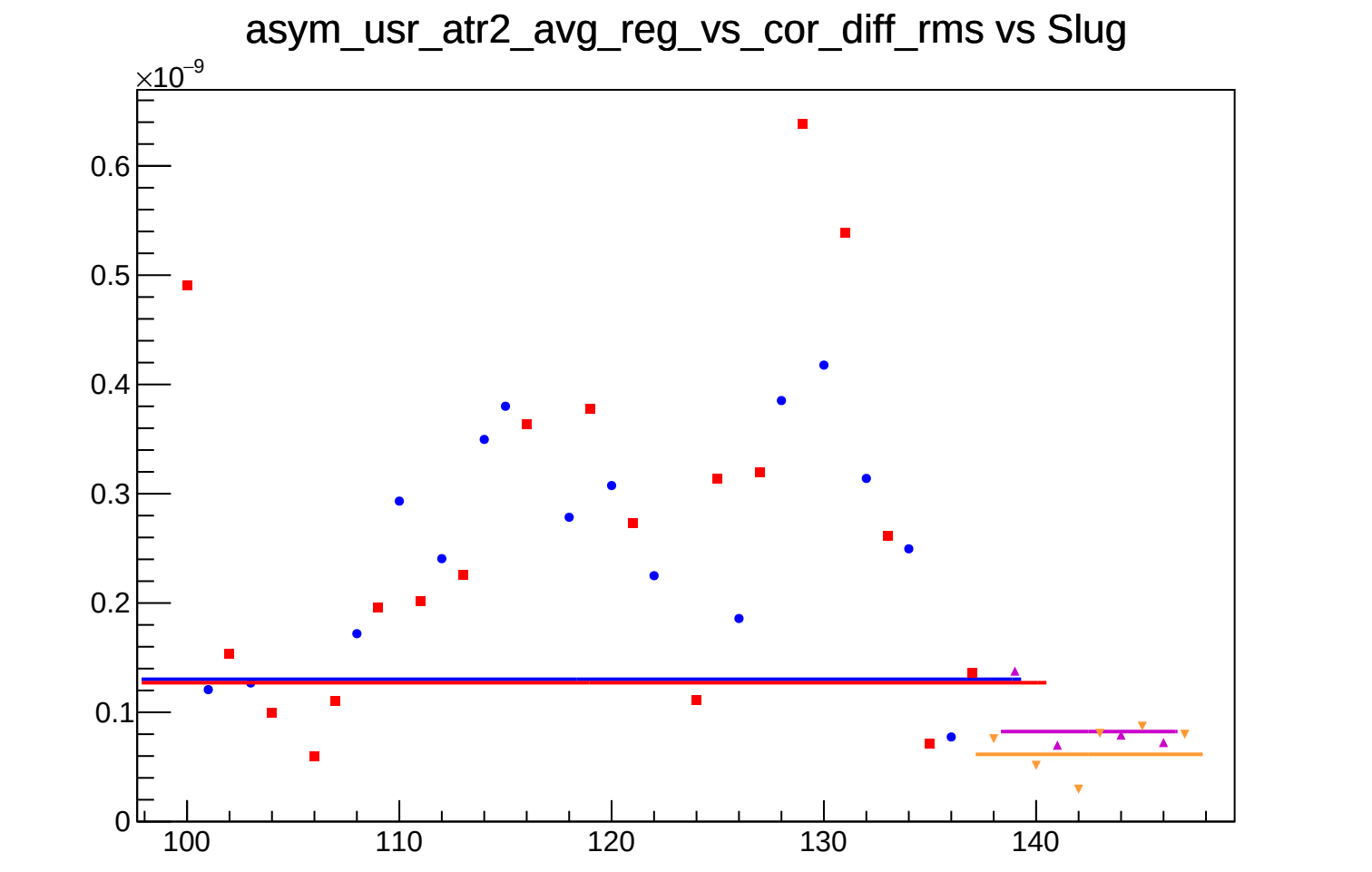
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/21

All: 0.000+/-0.000 χ^2/NDF: 56.2/44

- sign 0.000+/-0.000 χ^2/NDF: 33.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:358891.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

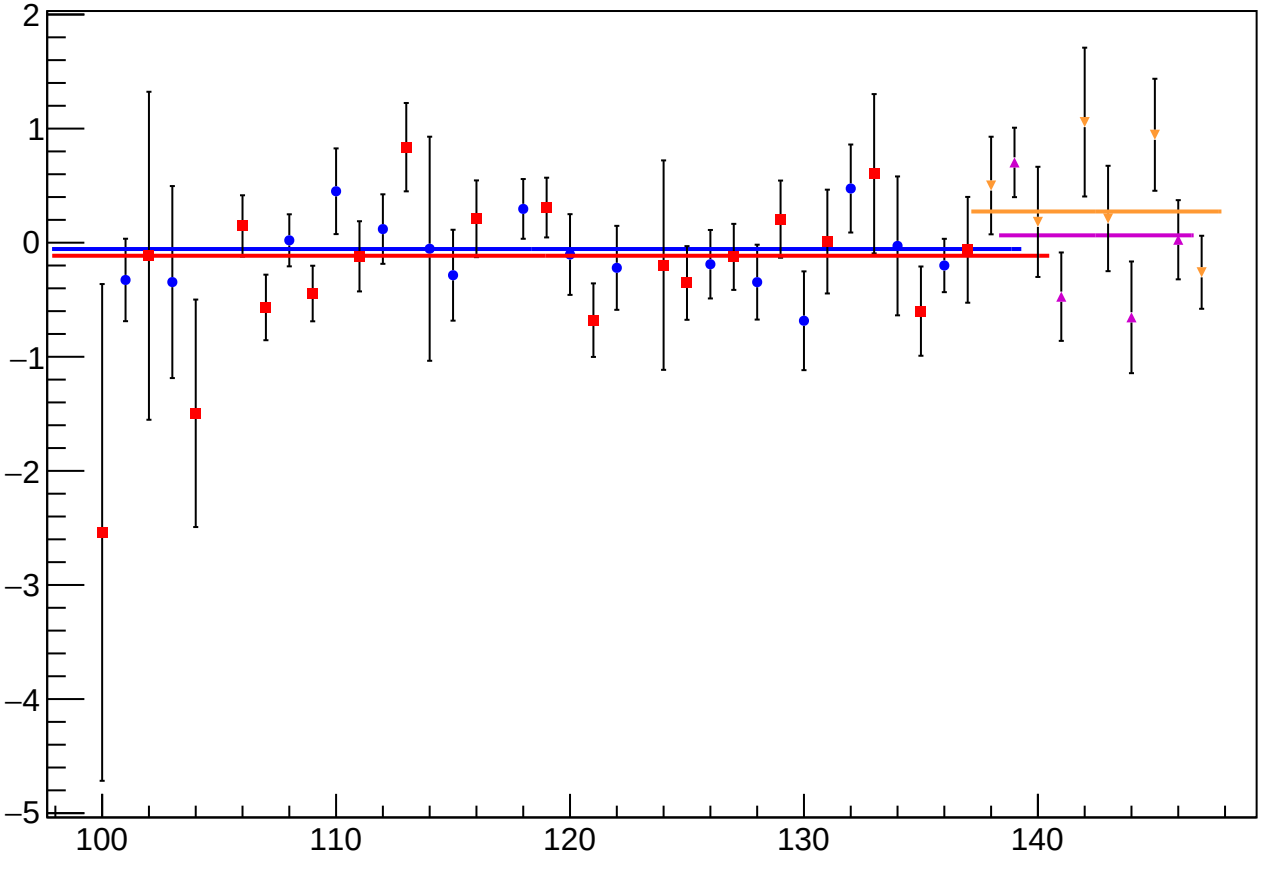
Left In: 0.000+/-0.000 χ^2/NDF:185950.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 2634980.9/21

All: 0.000+/-0.000 χ^2/NDF: 5039373.1/44

- sign 0.000+/-0.000 χ^2/NDF: 2225955.4/22

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

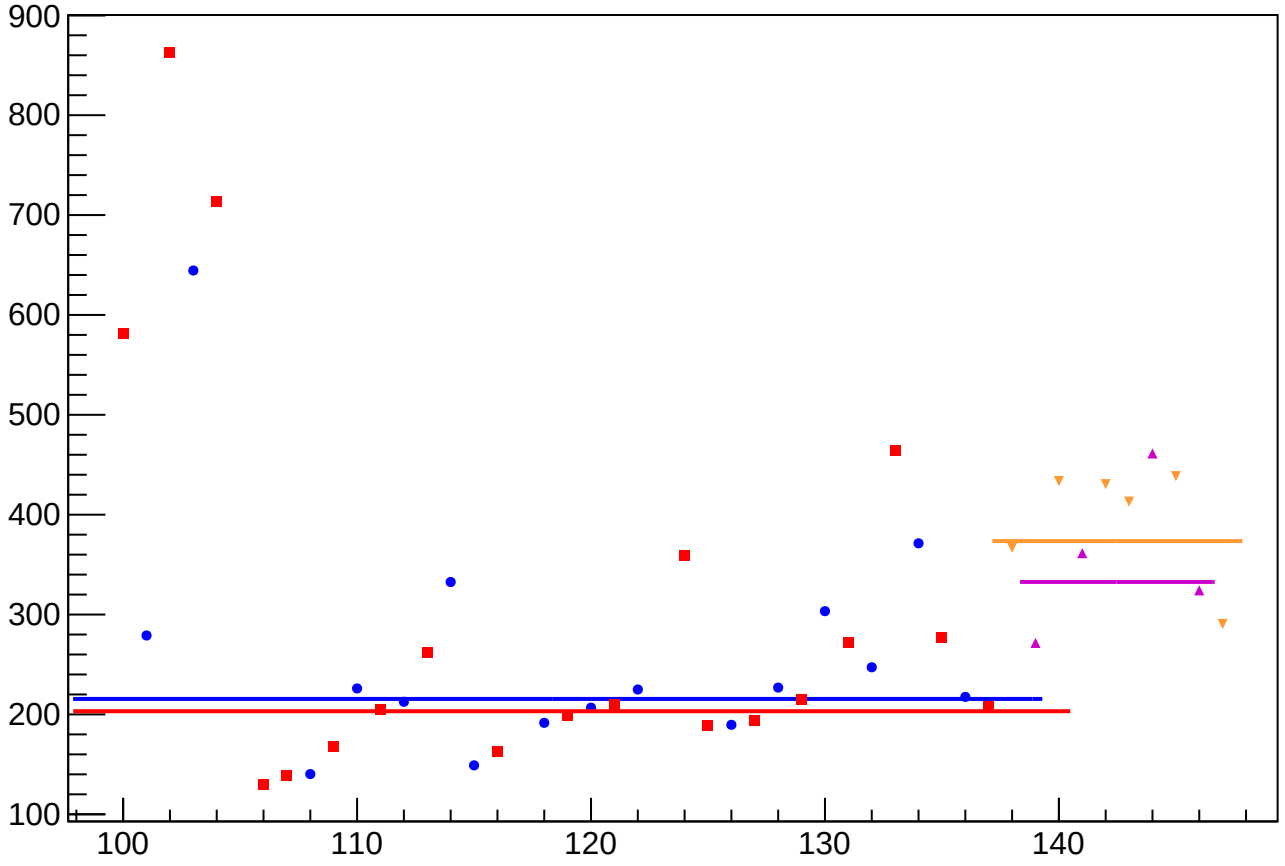
Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.040+/-0.054 χ^2/NDF: 55.0/44

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22

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: 373.574+/-0.128 χ^2/NDF:230844.2/5

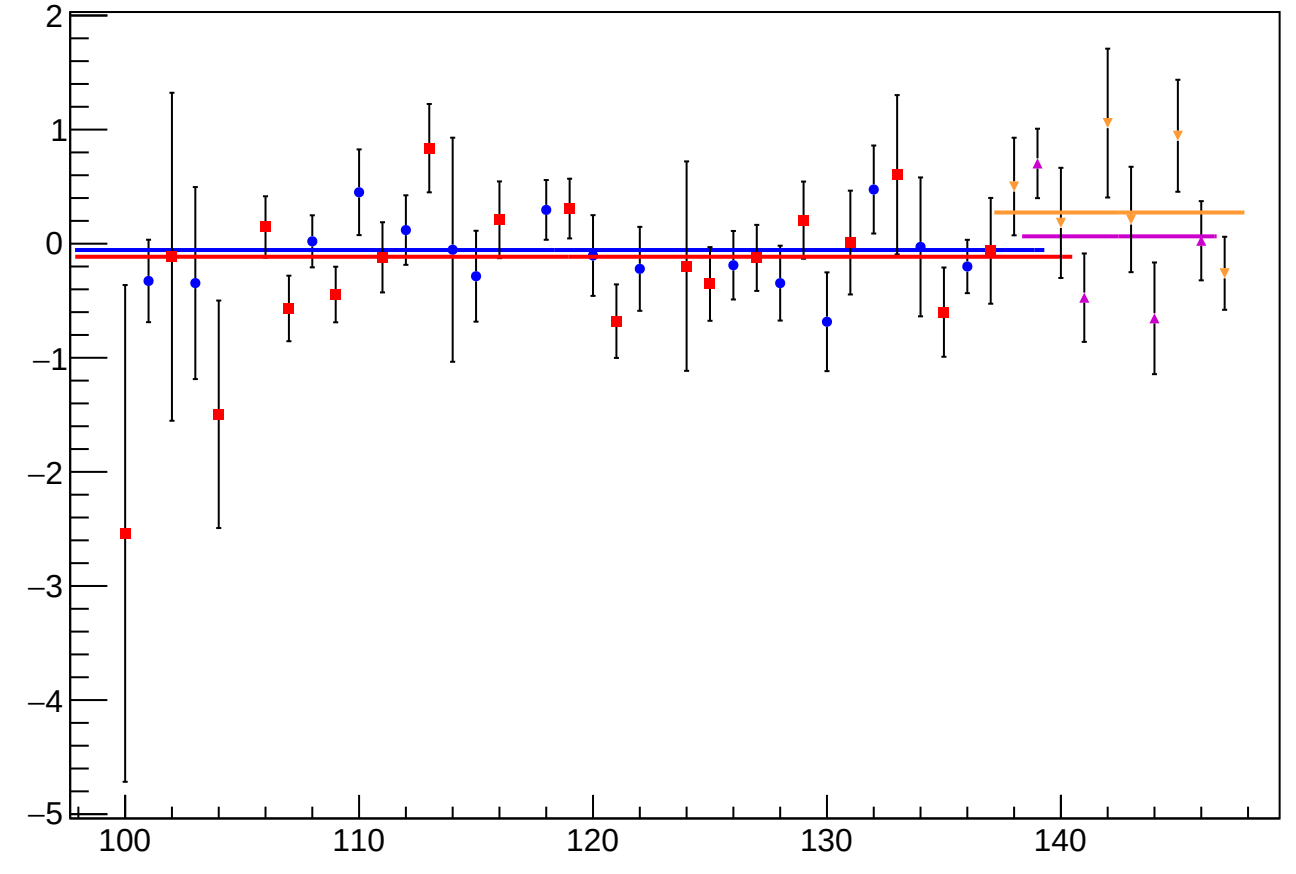
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

+ sign 244.477+/-0.055 χ^2/NDF: 2632680.1/21

All: 234.768+/-0.038 χ^2/NDF: 5592117.8/44

- sign 225.435+/-0.054 χ^2/NDF: 2897463.4/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

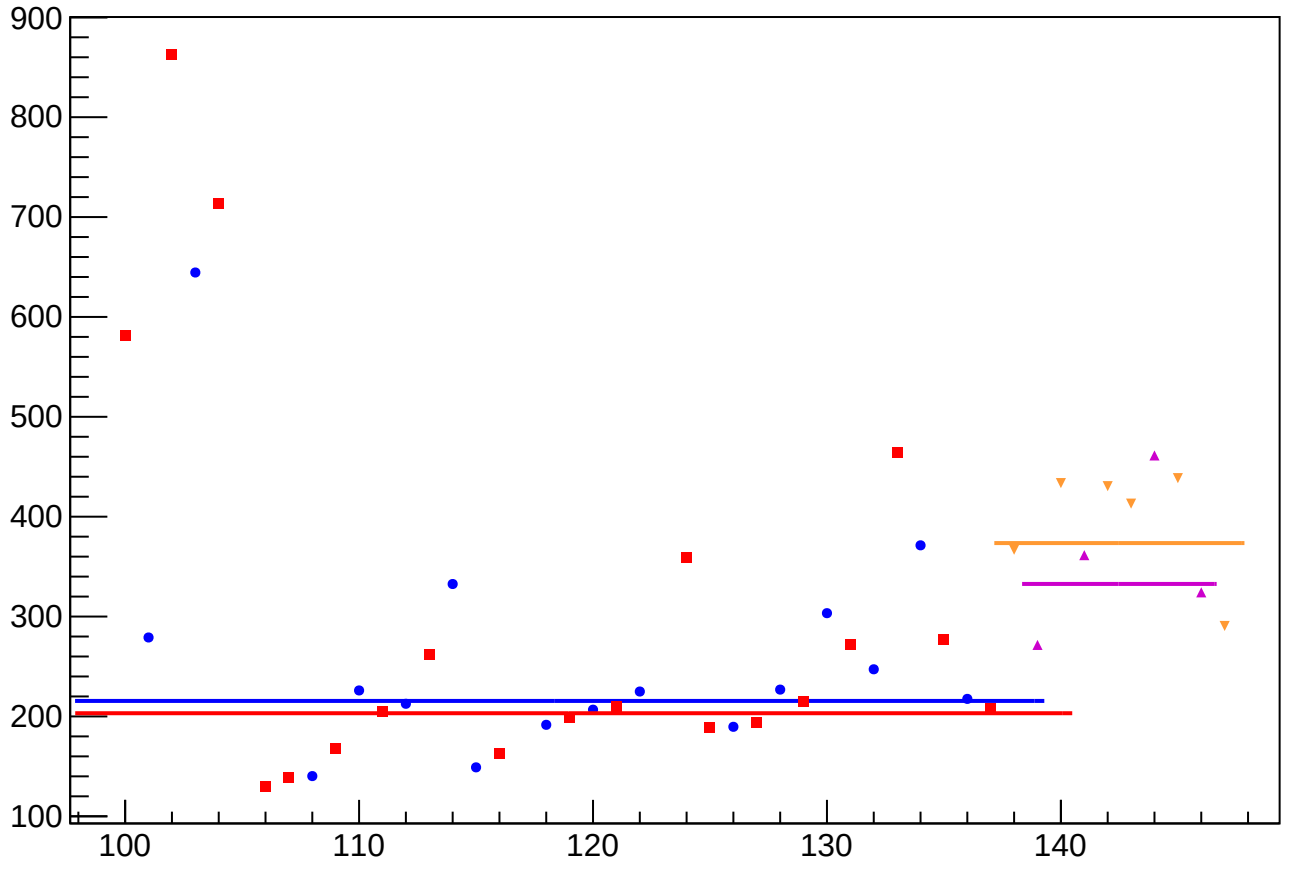
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.040+/-0.054 χ^2/NDF: 55.0/44

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

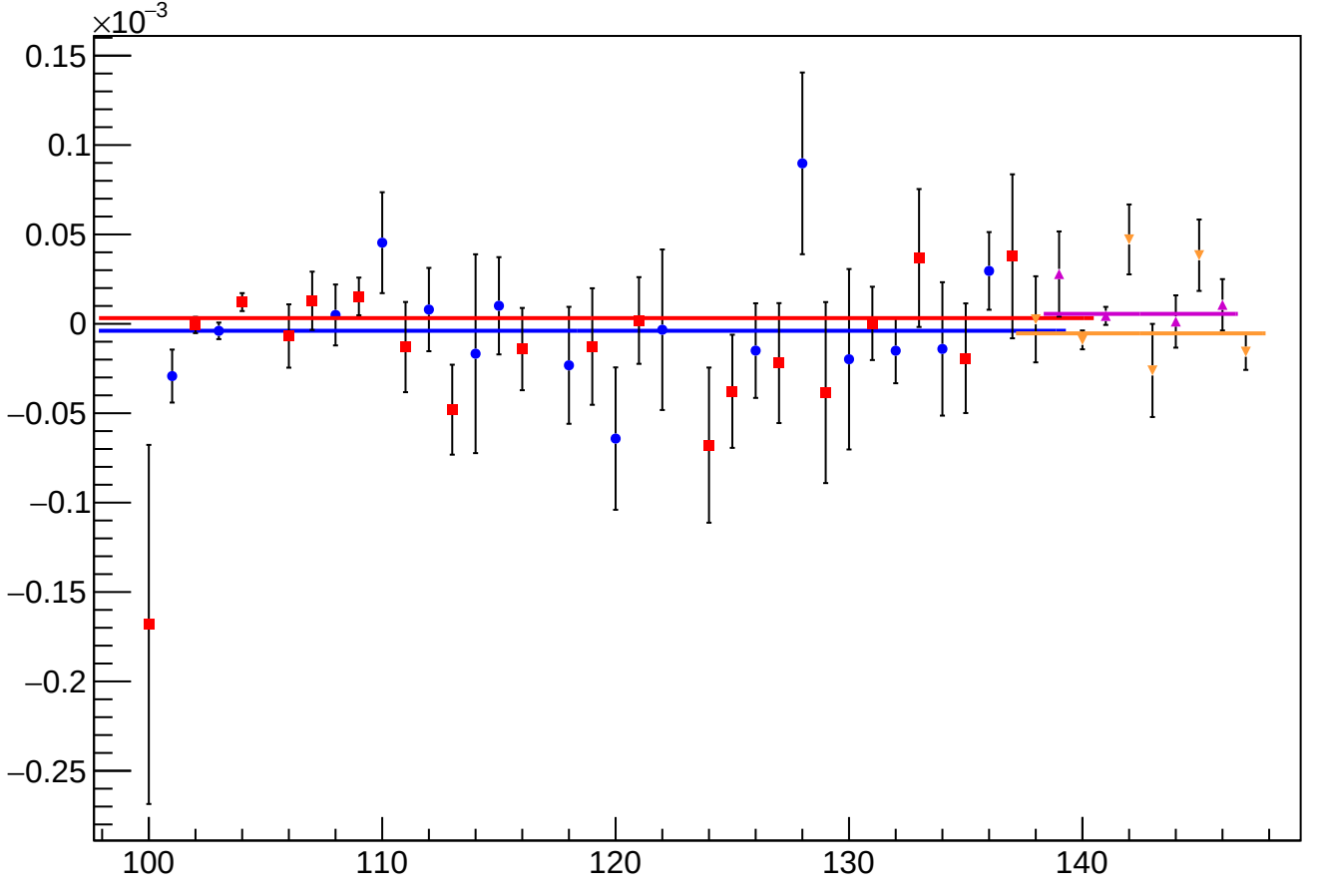
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

+ sign 244.477+/-0.055 χ^2/NDF: 2632680.1/21

All: 234.768+/-0.038 χ^2/NDF: 5592117.8/44

- sign 225.435+/-0.054 χ^2/NDF: 2897463.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/5

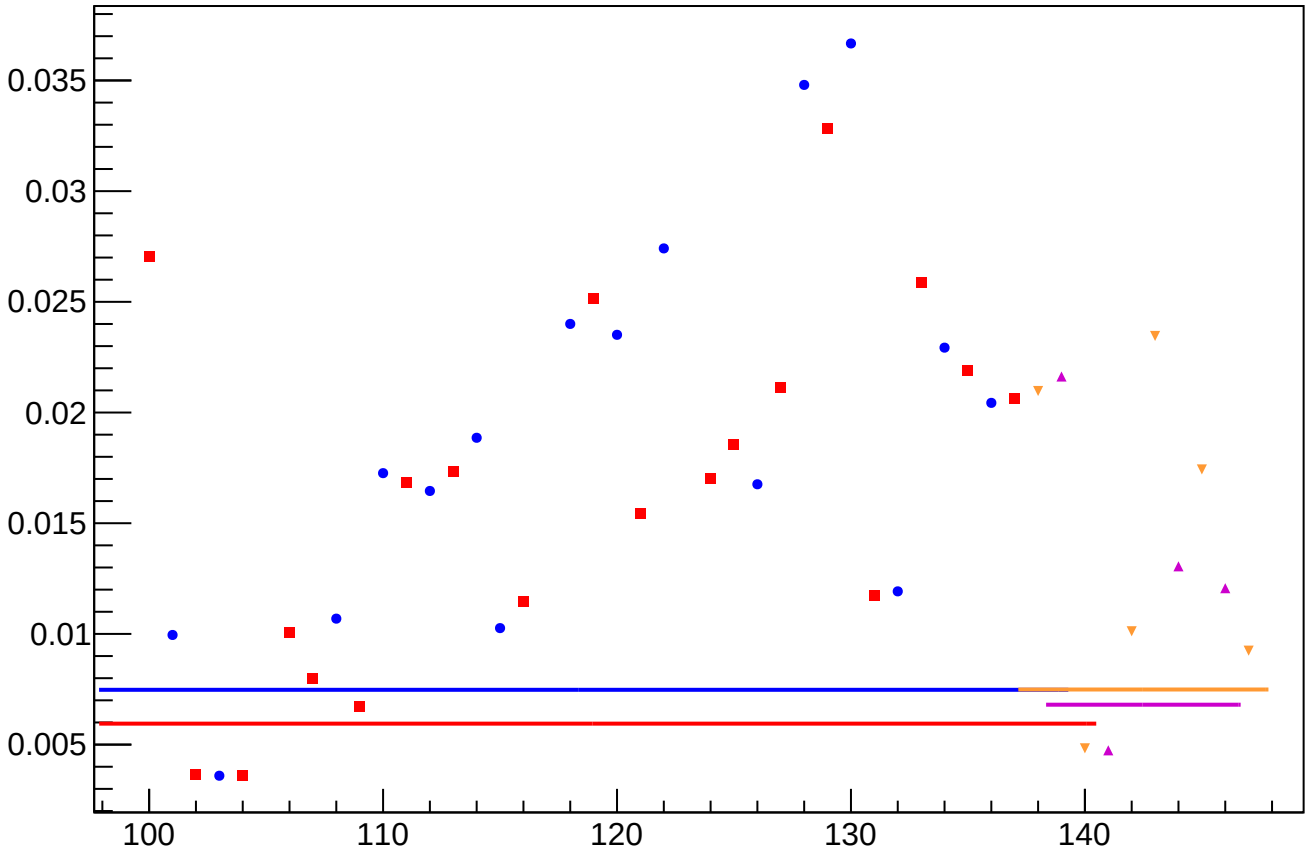
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/21

All: 0.000+/-0.000 χ^2/NDF: 58.3/44

- sign 0.000+/-0.000 χ^2/NDF: 23.0/22



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2478768.7/5

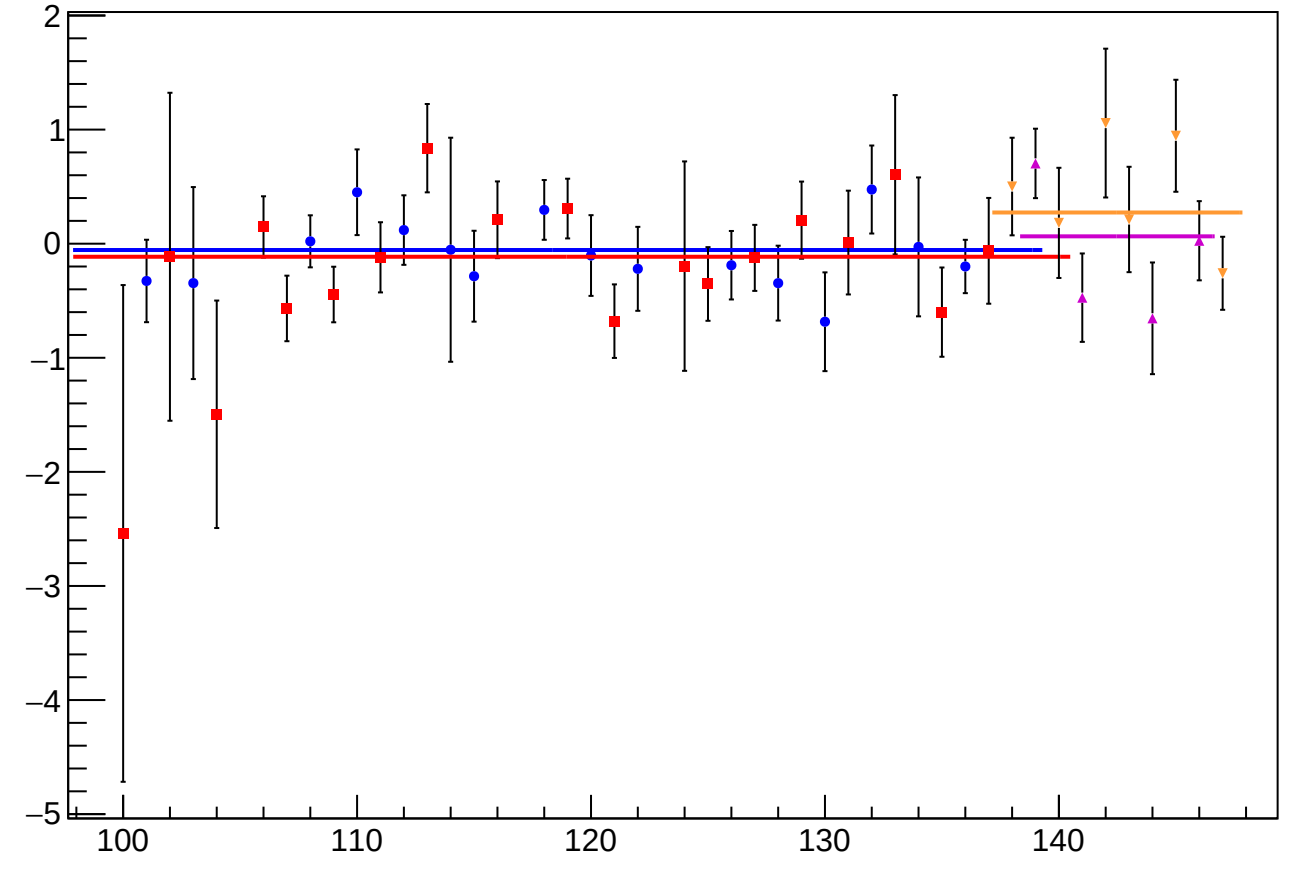
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1743100.3/3

+ sign 0.007+/-0.000 χ^2/NDF: 8554979.6/21

All: 0.007+/-0.000 χ^2/NDF: 16518263.3/44

- sign 0.006+/-0.000 χ^2/NDF: 7729048.5/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

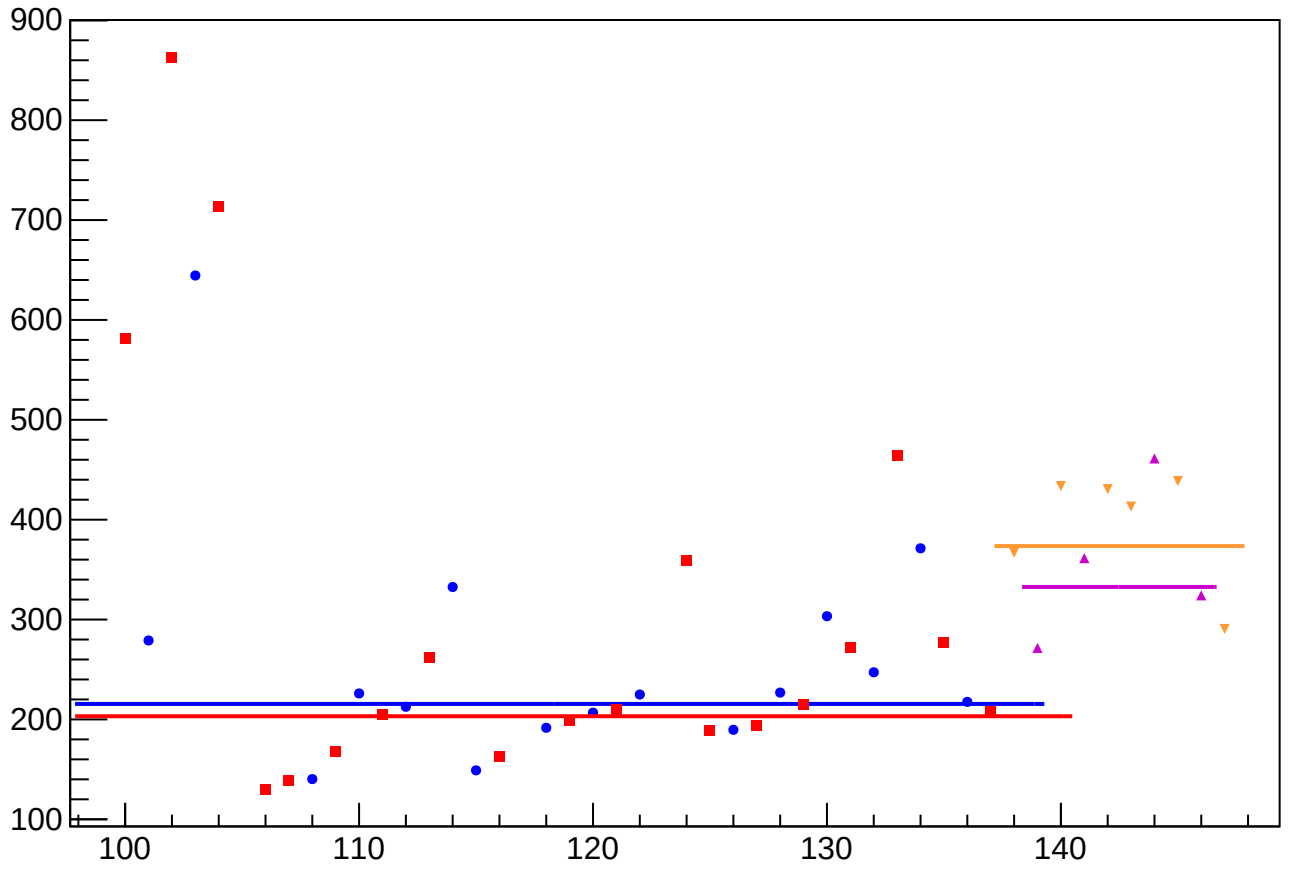
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

\+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.040+/-0.054 χ^2/NDF: 55.0/44

\- sign -0.084+/-0.076 χ^2/NDF: 34.5/22



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

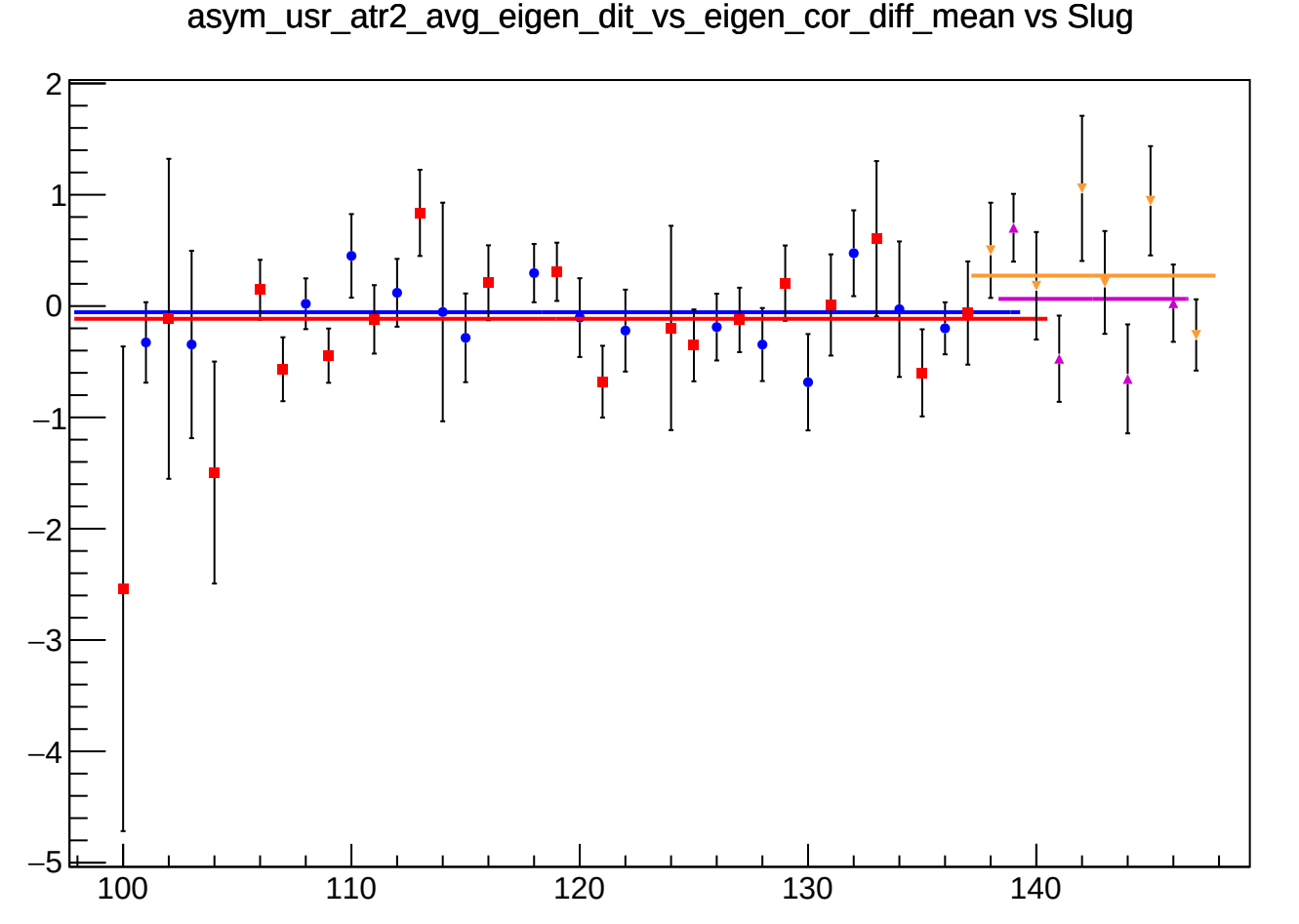
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

+ sign 244.476+/-0.055 χ^2/NDF: 2632721.5/21

All: 234.767+/-0.038 χ^2/NDF: 5592196.3/44

- sign 225.433+/-0.054 χ^2/NDF: 2897498.6/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

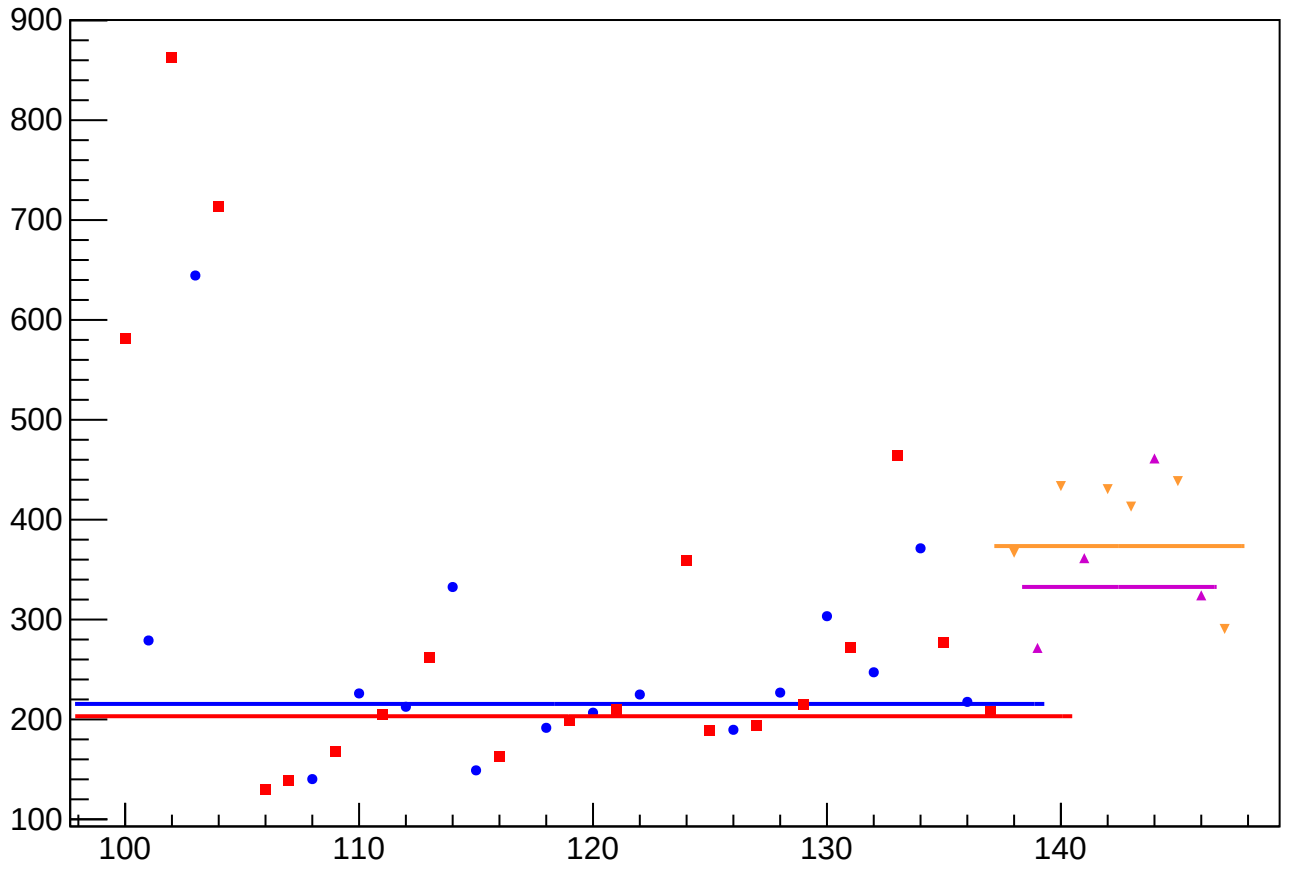
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.040+/-0.054 χ^2/NDF: 55.0/44

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

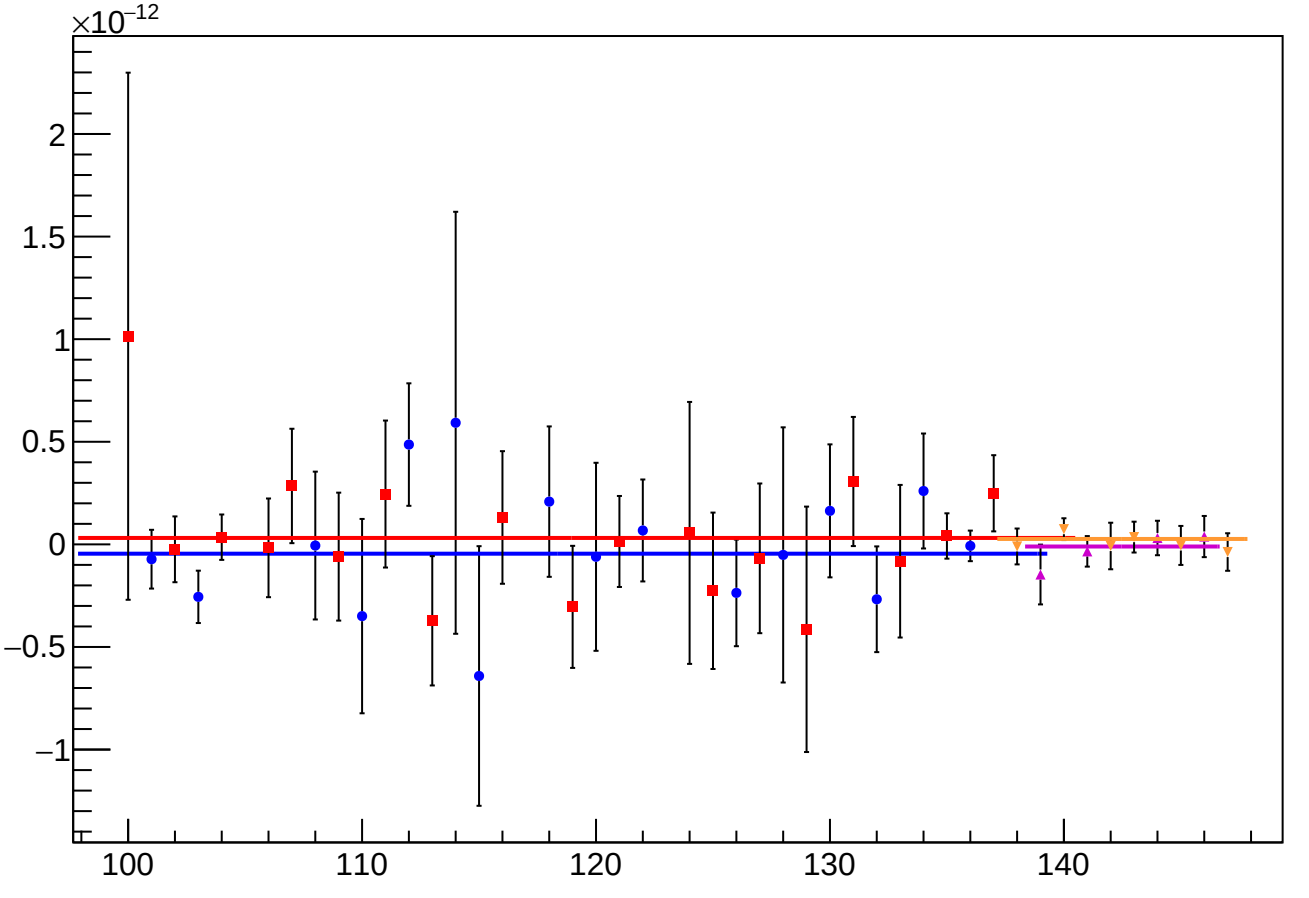
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

+ sign 244.476+/-0.055 χ^2/NDF: 2632721.5/21

All: 234.767+/-0.038 χ^2/NDF: 5592196.3/44

- sign 225.433+/-0.054 χ^2/NDF: 2897498.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/5

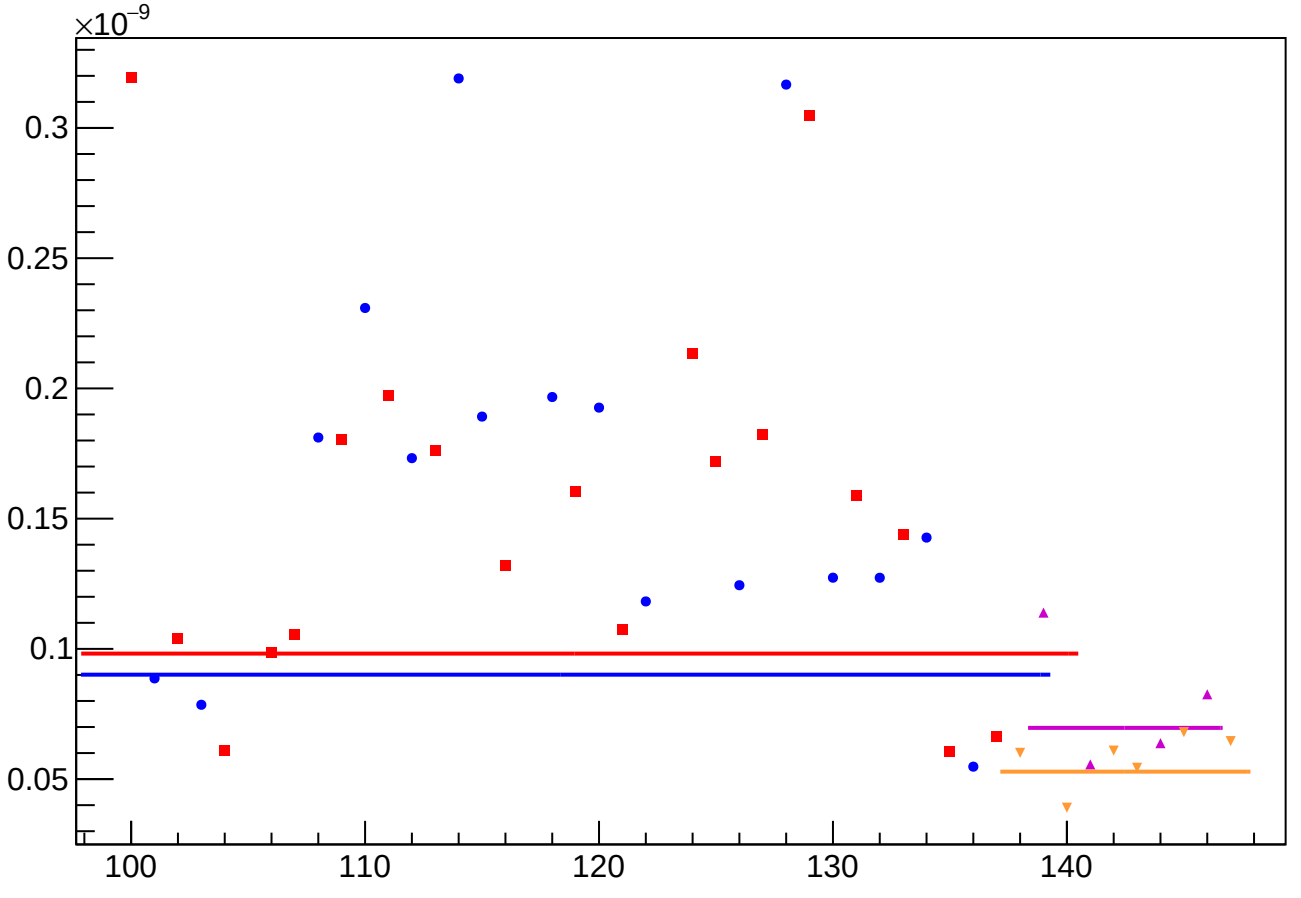
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 14.6/21

All: 0.000+/-0.000 χ^2/NDF: 24.8/44

- sign 0.000+/-0.000 χ^2/NDF: 10.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:244414.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

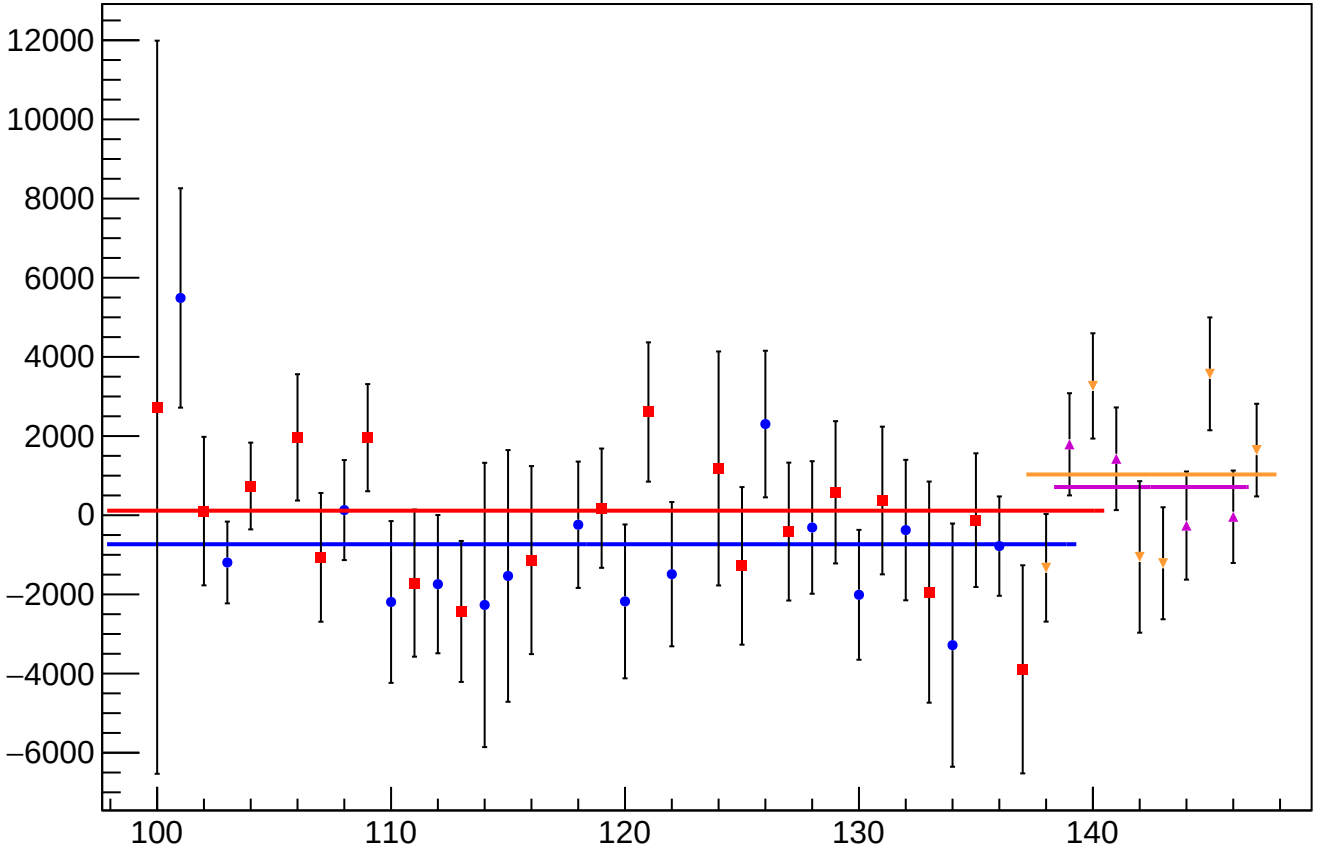
Left In: 0.000+/-0.000 χ^2/NDF:298431.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2838511.3/21

All: 0.000+/-0.000 χ^2/NDF: 5522889.6/44

- sign 0.000+/-0.000 χ^2/NDF: 2328809.5/22

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1029.797+/-567.828 χ^2/NDF:13.0/5

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

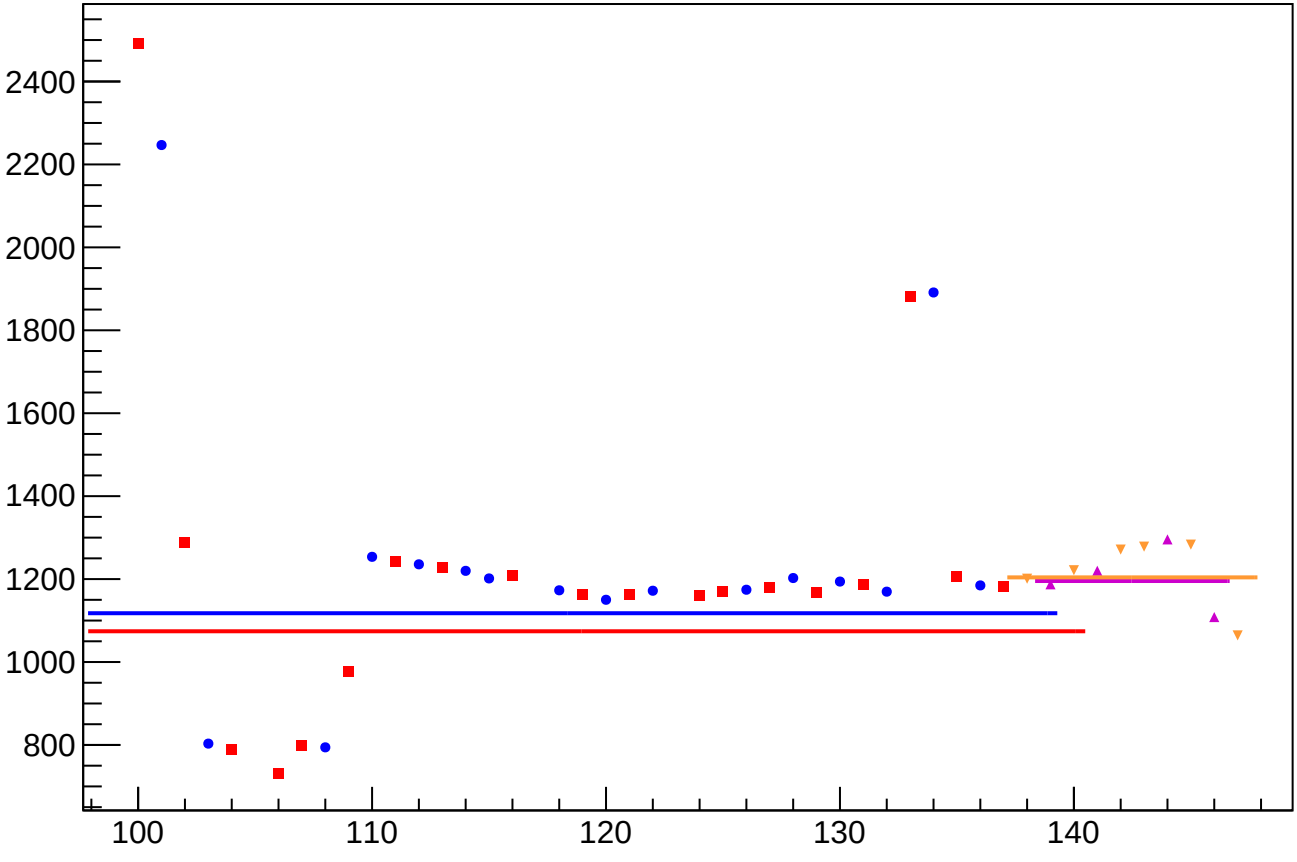
Left In: 712.311+/-636.971 χ^2/NDF:1.9/3

+ sign -95.348+/-341.470 χ^2/NDF: 30.8/21

All: 95.437+/-242.906 χ^2/NDF: 47.1/44

- sign 290.874+/-345.609 χ^2/NDF: 15.7/22

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

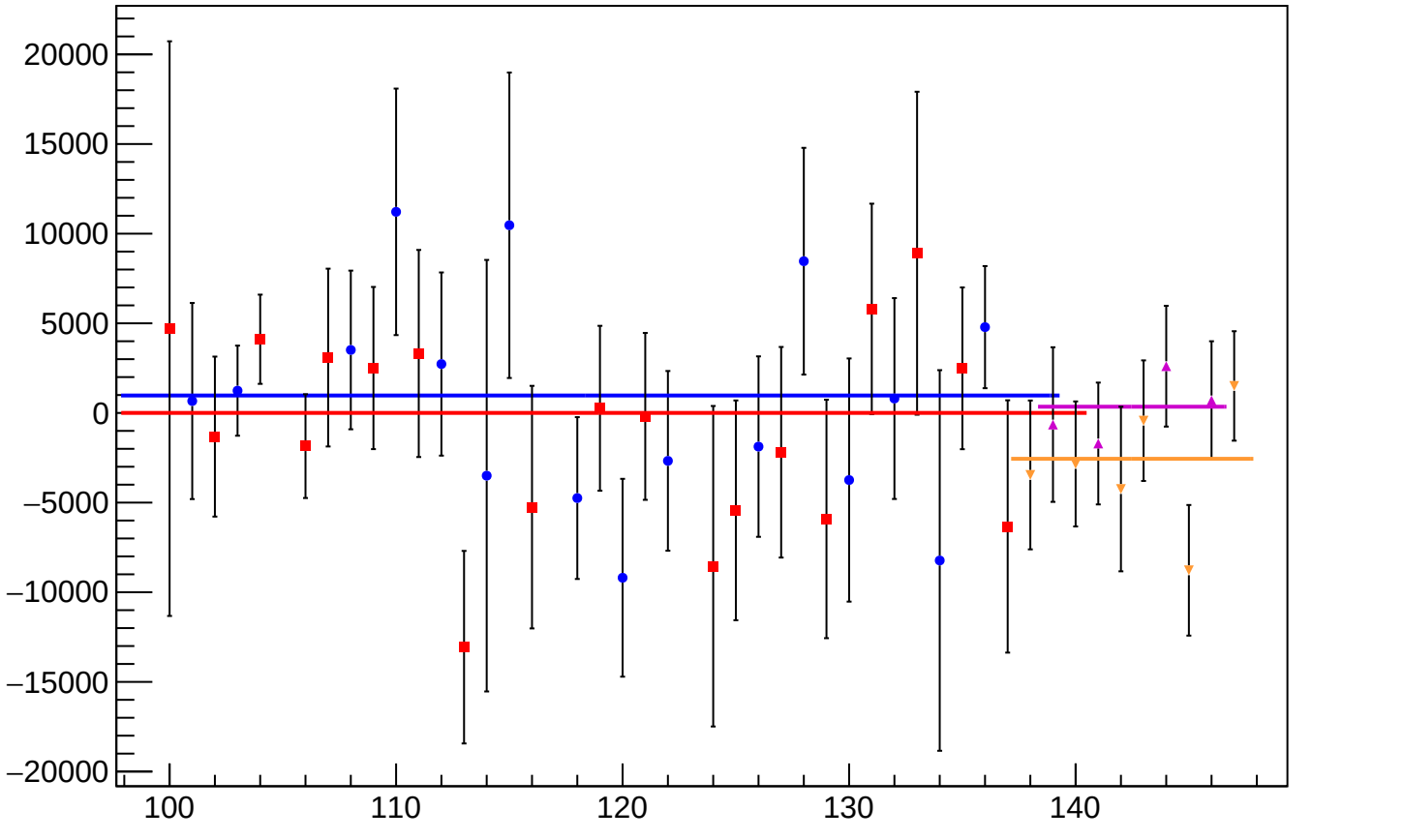
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1148.940+/-0.241 χ^2/NDF: 892444.1/21

All: 1129.301+/-0.171 χ^2/NDF: 1629327.7/44

- sign 1109.419+/-0.243 χ^2/NDF: 723570.5/22



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2557.230+/-1476.158 χ^2/NDF:5.3/5

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

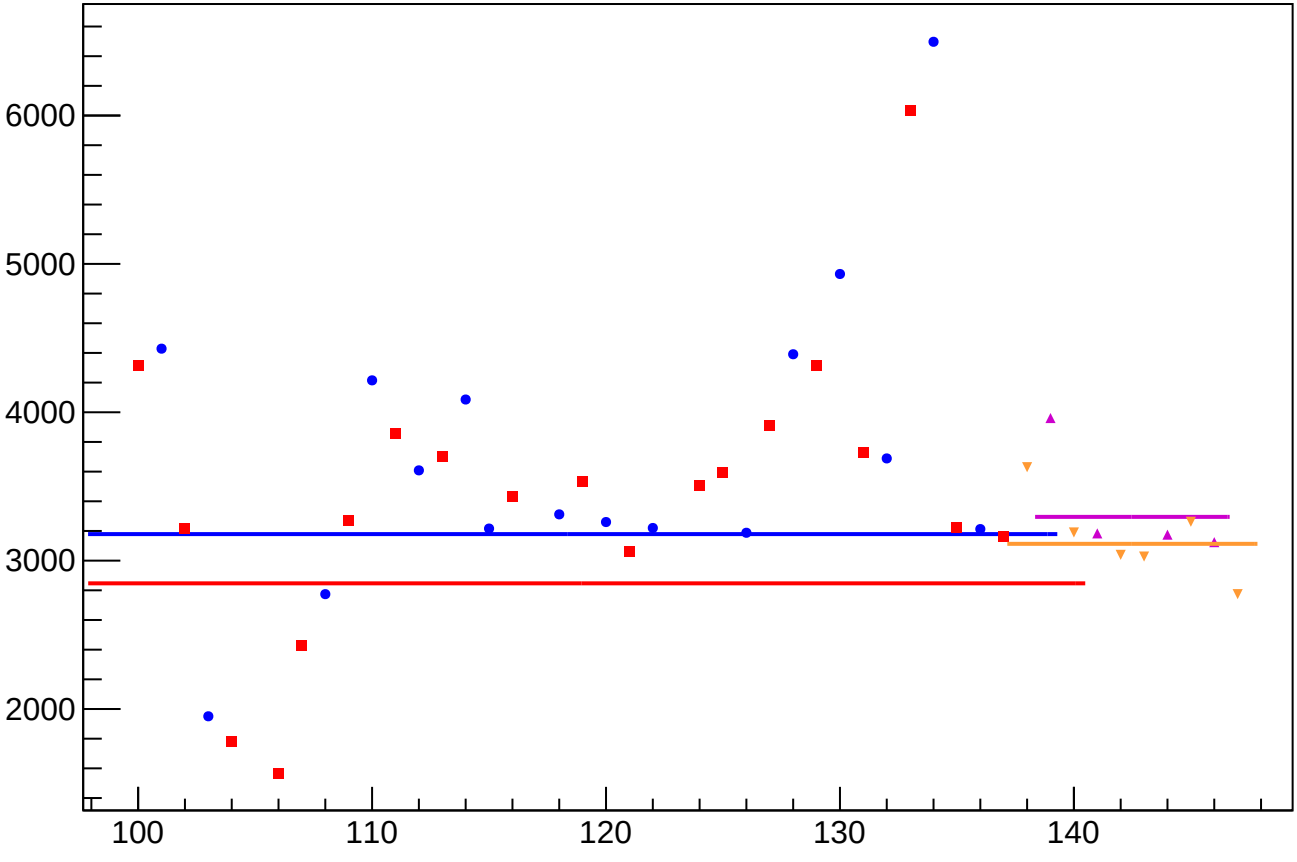
Left In: 348.005+/-1766.903 χ^2/NDF:0.9/3

\+ sign -477.008+/-946.201 χ^2/NDF: 22.5/21

All: -186.784+/-667.674 χ^2/NDF: 40.1/44

\- sign 101.038+/-942.279 χ^2/NDF: 17.5/22

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3113.241+/-1.044 χ^2/NDF:61791.9/5

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

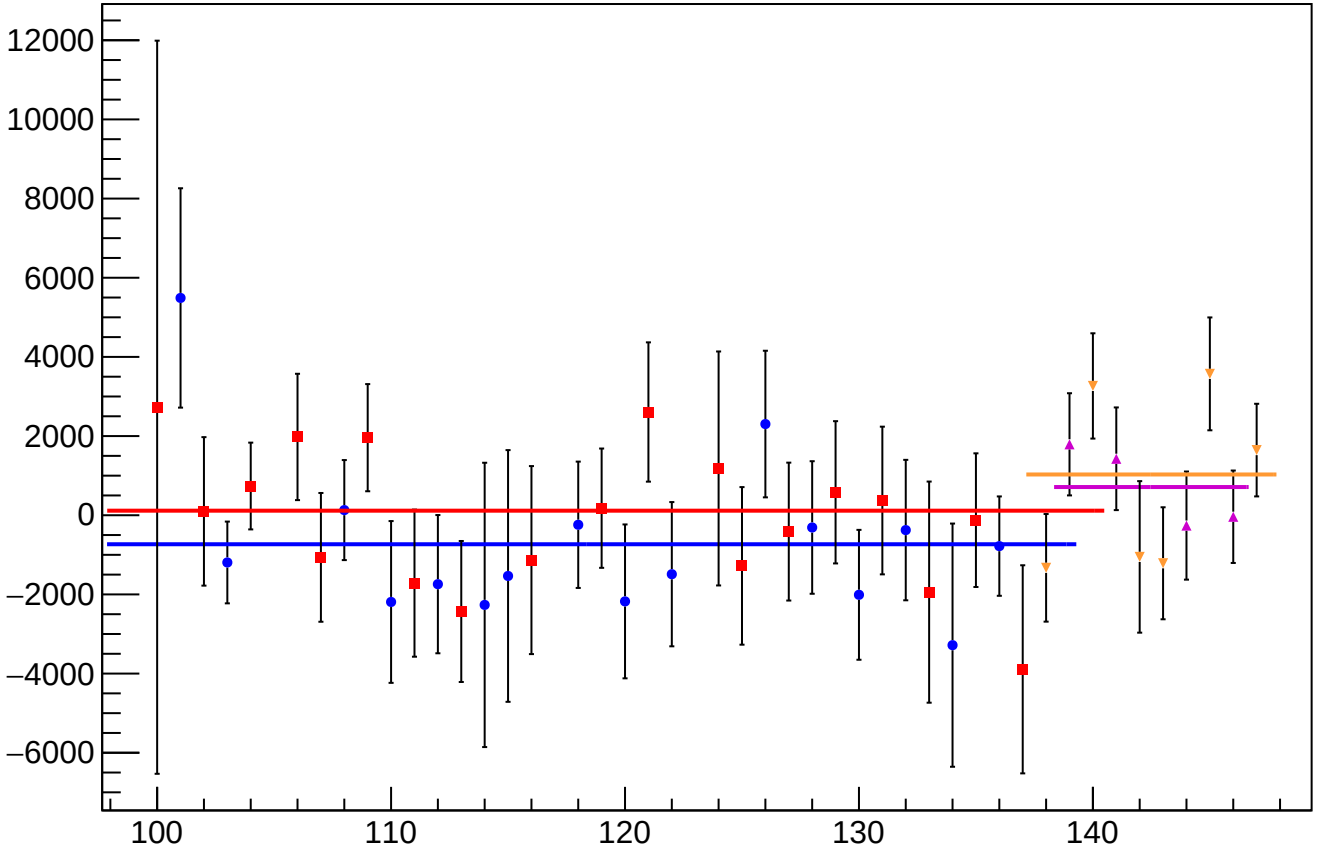
Left In: 3295.015+/-1.249 χ^2/NDF:57752.8/3

+ sign 3151.905+/-0.669 χ^2/NDF: 1155797.7/21

All: 3062.798+/-0.472 χ^2/NDF: 2852047.8/44

- sign 2974.428+/-0.666 χ^2/NDF: 1660922.0/22

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

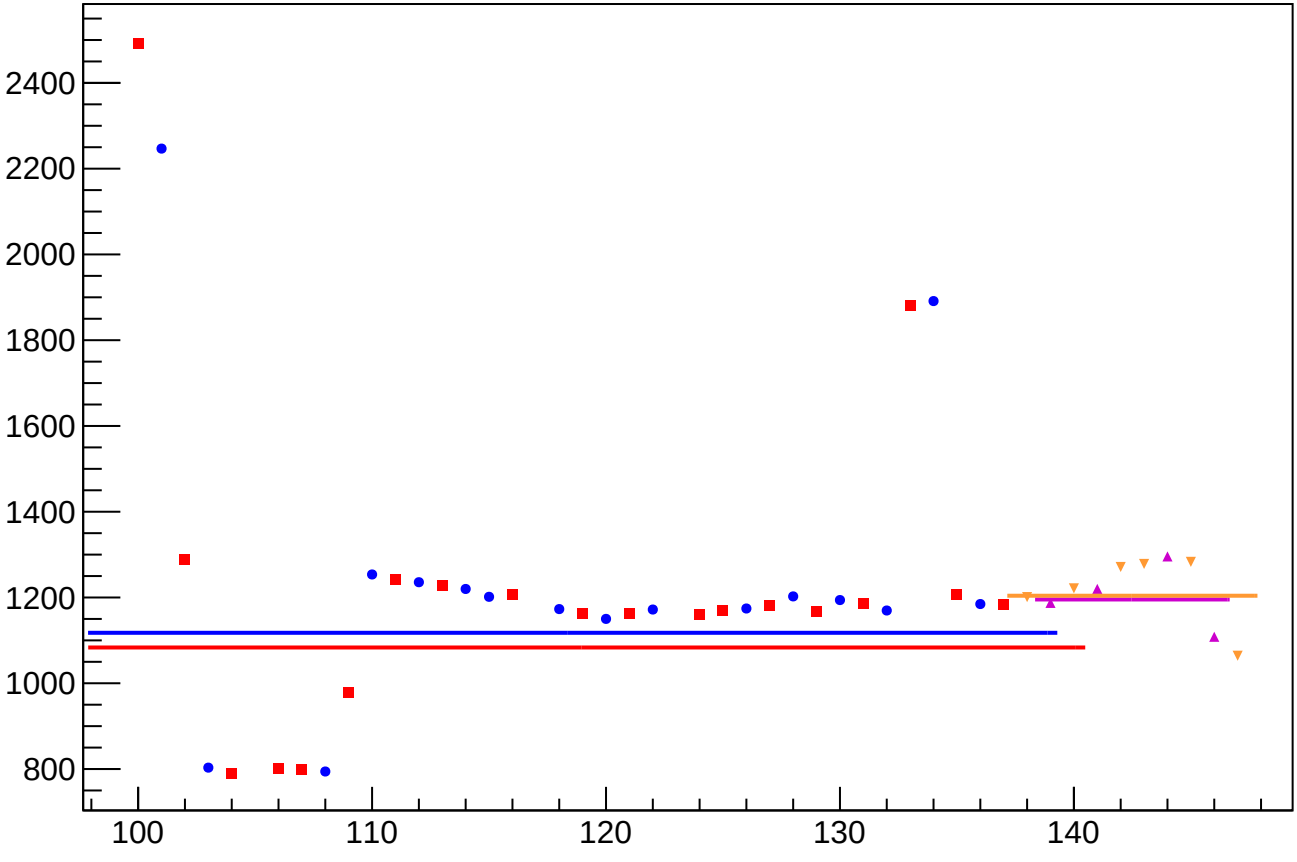
Left In: 712.429+/-636.971 χ^2/NDF:1.9/3

+ sign -95.307+/-341.470 χ^2/NDF: 30.8/21

All: 95.567+/-242.907 χ^2/NDF: 47.2/44

- sign 291.099+/-345.611 χ^2/NDF: 15.7/22

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

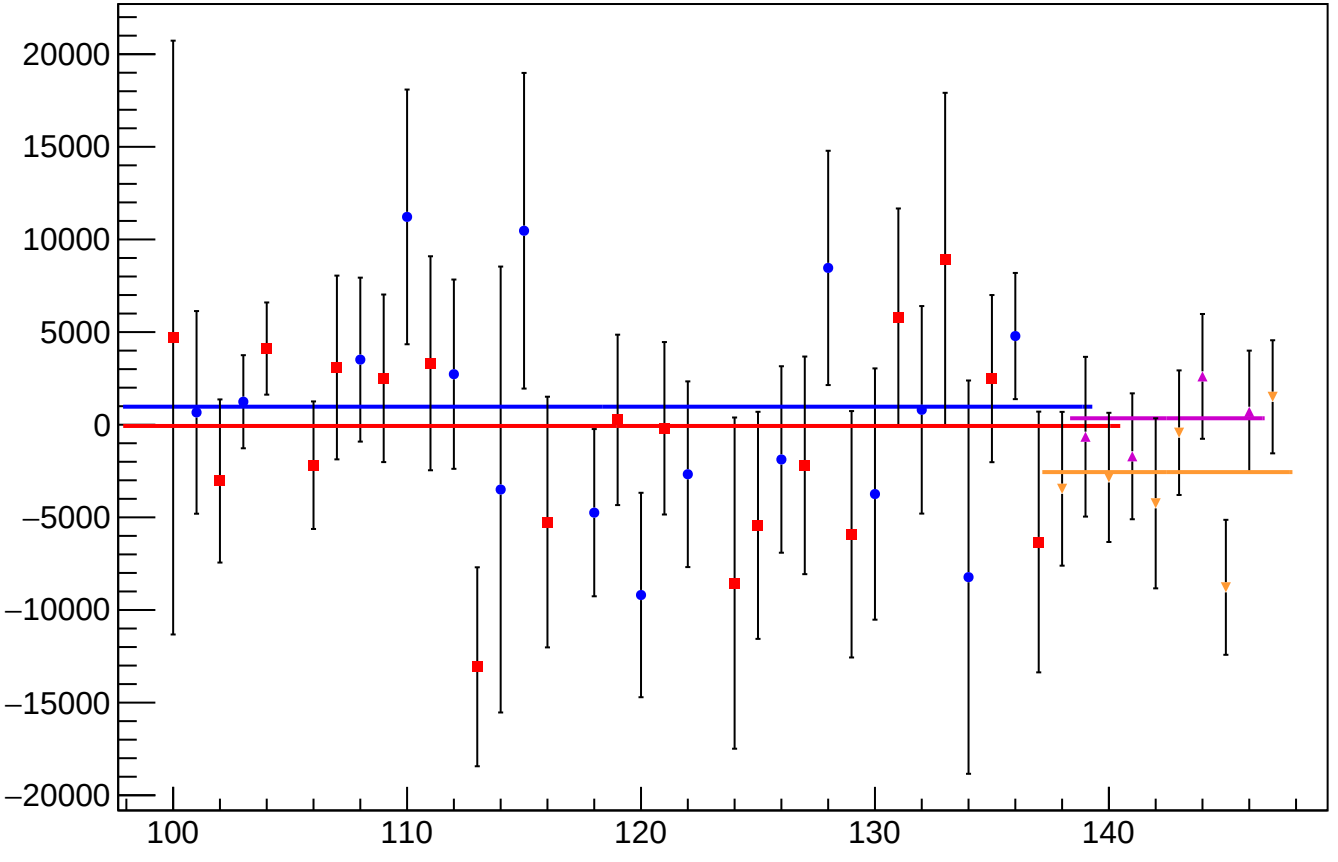
Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1148.941+/-0.241 χ^2/NDF: 892440.3/21

All: 1132.790+/-0.172 χ^2/NDF: 1562843.3/44

- sign 1116.290+/-0.244 χ^2/NDF: 661357.8/22

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2557.169+/-1476.154 χ^2/NDF:5.3/5

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

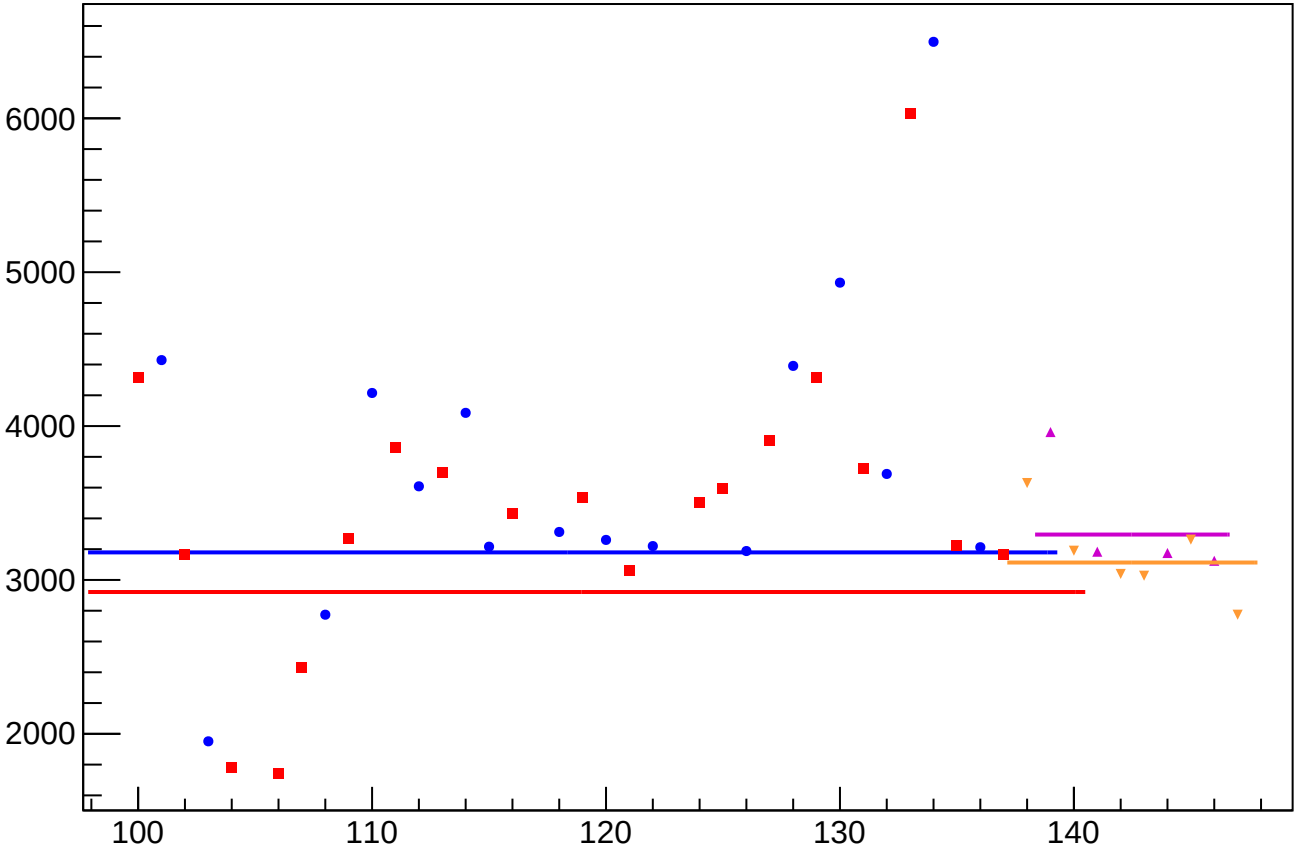
Left In: 348.043+/-1766.902 χ^2/NDF:0.9/3

+ sign -477.350+/-946.222 χ^2/NDF: 22.5/21

All: -214.300+/-672.744 χ^2/NDF: 40.5/44

- sign 54.593+/-956.671 χ^2/NDF: 17.9/22

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3113.232+/-1.044 χ^2/NDF:61791.6/5

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

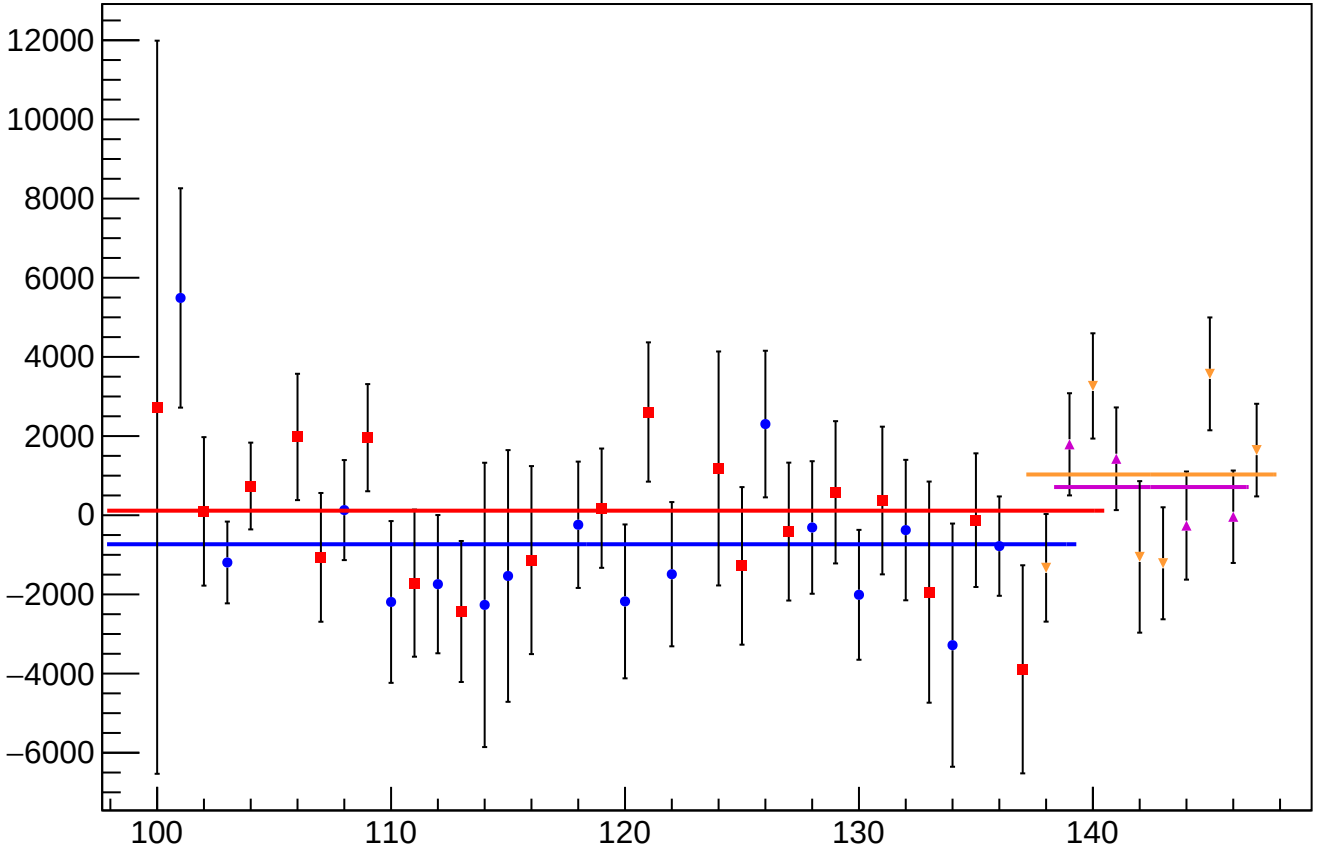
Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

+ sign 3152.009+/-0.669 χ^2/NDF: 1155370.7/21

All: 3092.217+/-0.476 χ^2/NDF: 2605289.4/44

- sign 3031.097+/-0.676 χ^2/NDF: 1433769.4/22

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

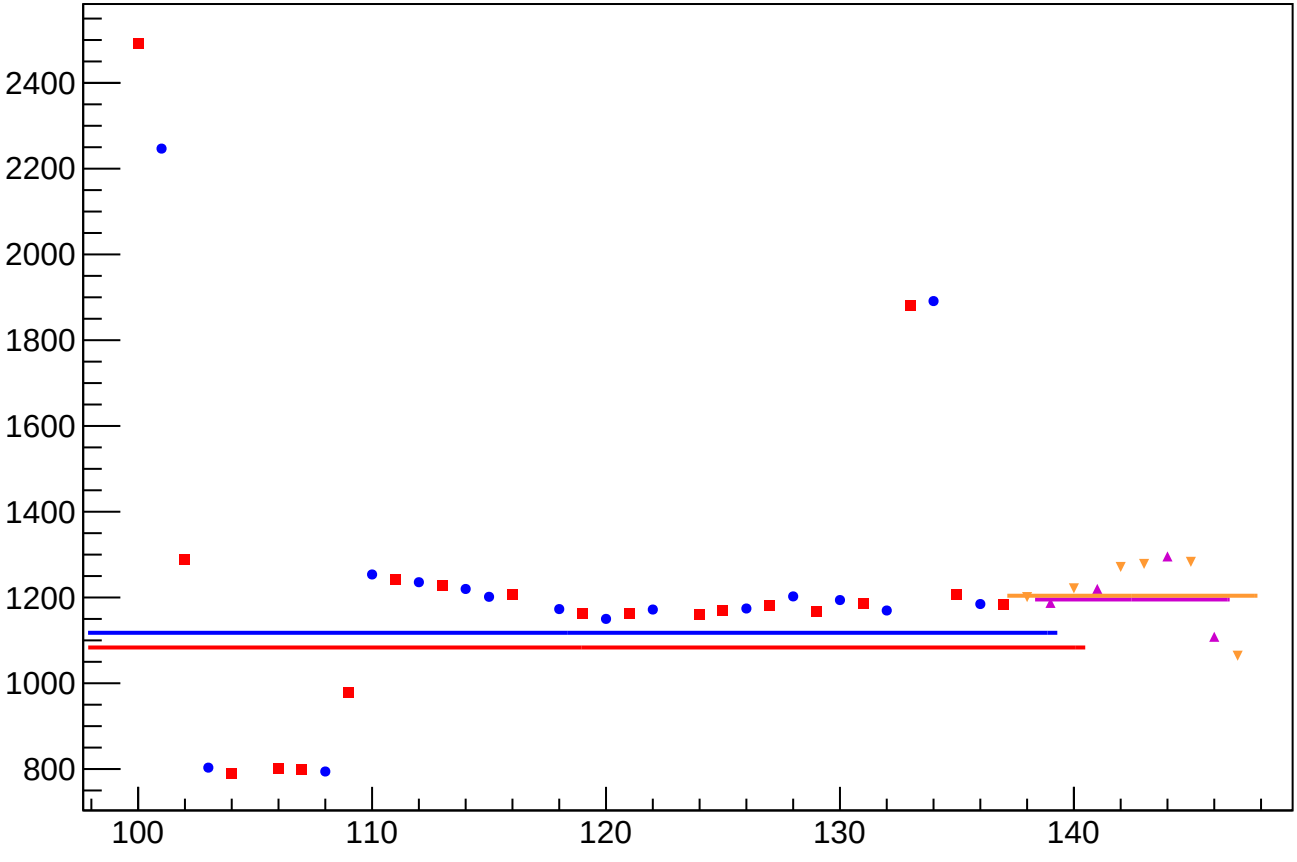
Left In: 712.429+/-636.971 χ^2/NDF:1.9/3

+ sign -95.307+/-341.470 χ^2/NDF: 30.8/21

All: 95.567+/-242.907 χ^2/NDF: 47.2/44

- sign 291.099+/-345.611 χ^2/NDF: 15.7/22

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

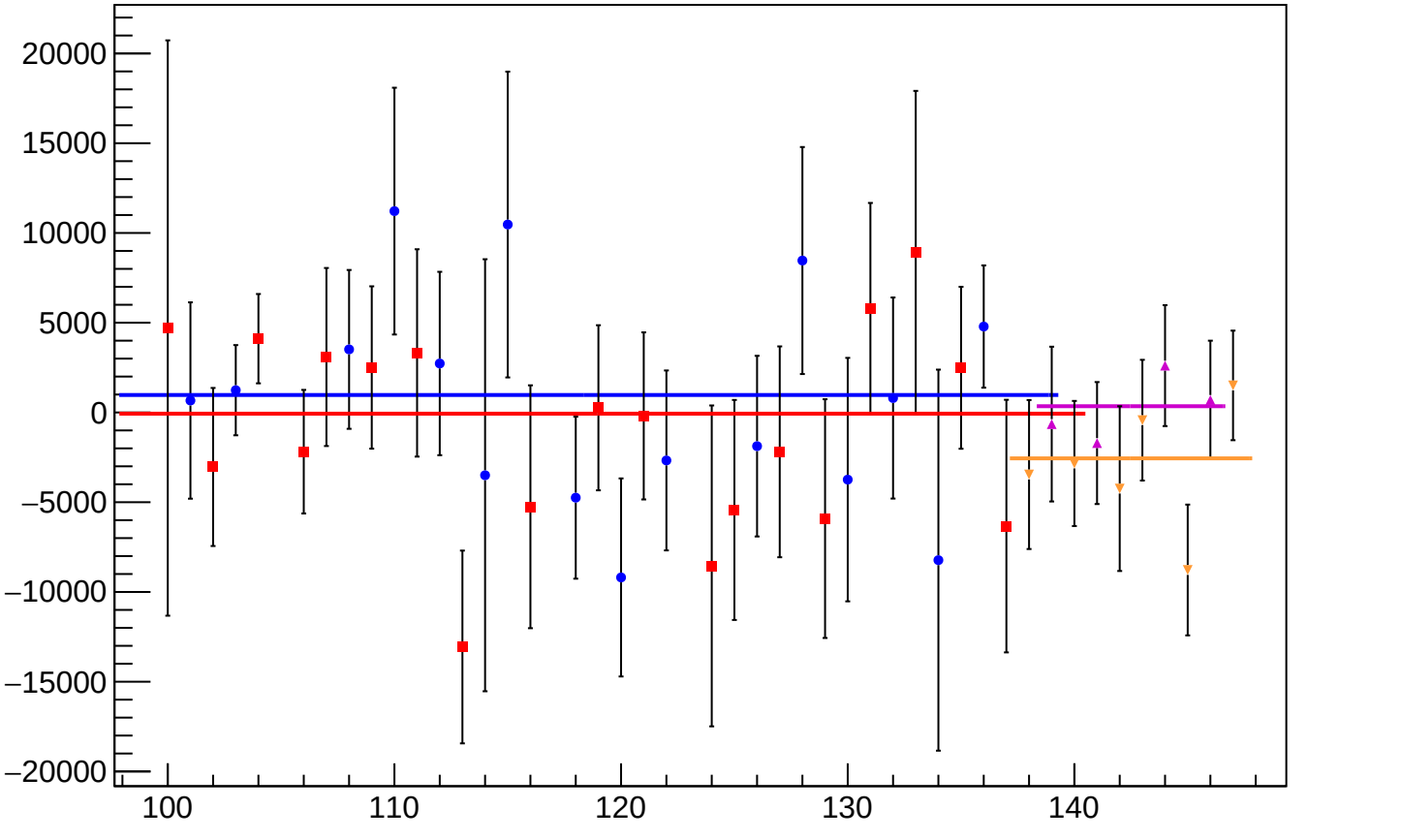
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1148.941+/-0.241 χ^2/NDF: 892440.3/21

All: 1132.790+/-0.172 χ^2/NDF: 1562843.3/44

- sign 1116.290+/-0.244 χ^2/NDF: 661357.8/22



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2557.169+/-1476.154 χ^2/NDF:5.3/5

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

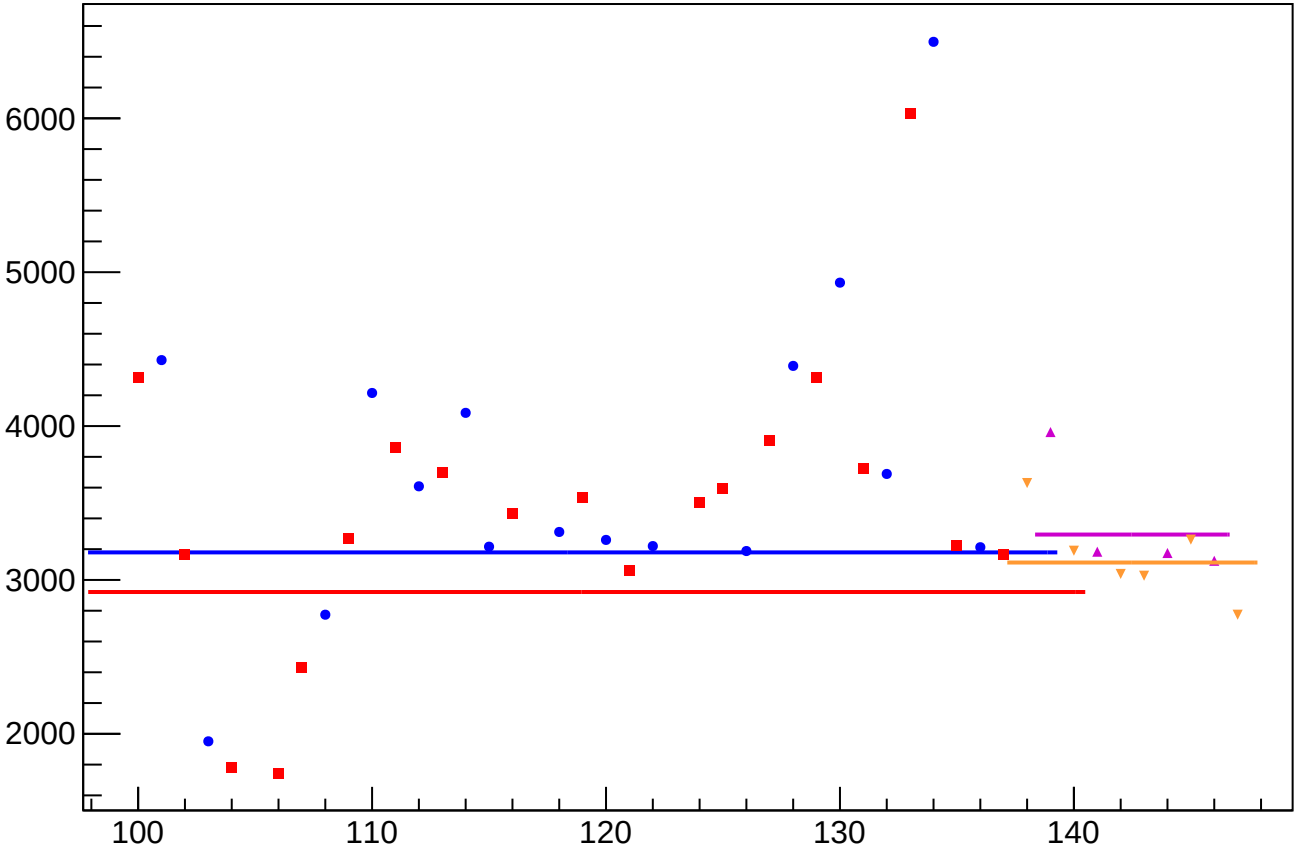
Left In: 348.043+/-1766.902 χ^2/NDF:0.9/3

+ sign -477.350+/-946.222 χ^2/NDF: 22.5/21

All: -214.300+/-672.744 χ^2/NDF: 40.5/44

- sign 54.593+/-956.671 χ^2/NDF: 17.9/22

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3113.232+/-1.044 χ^2/NDF:61791.6/5

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

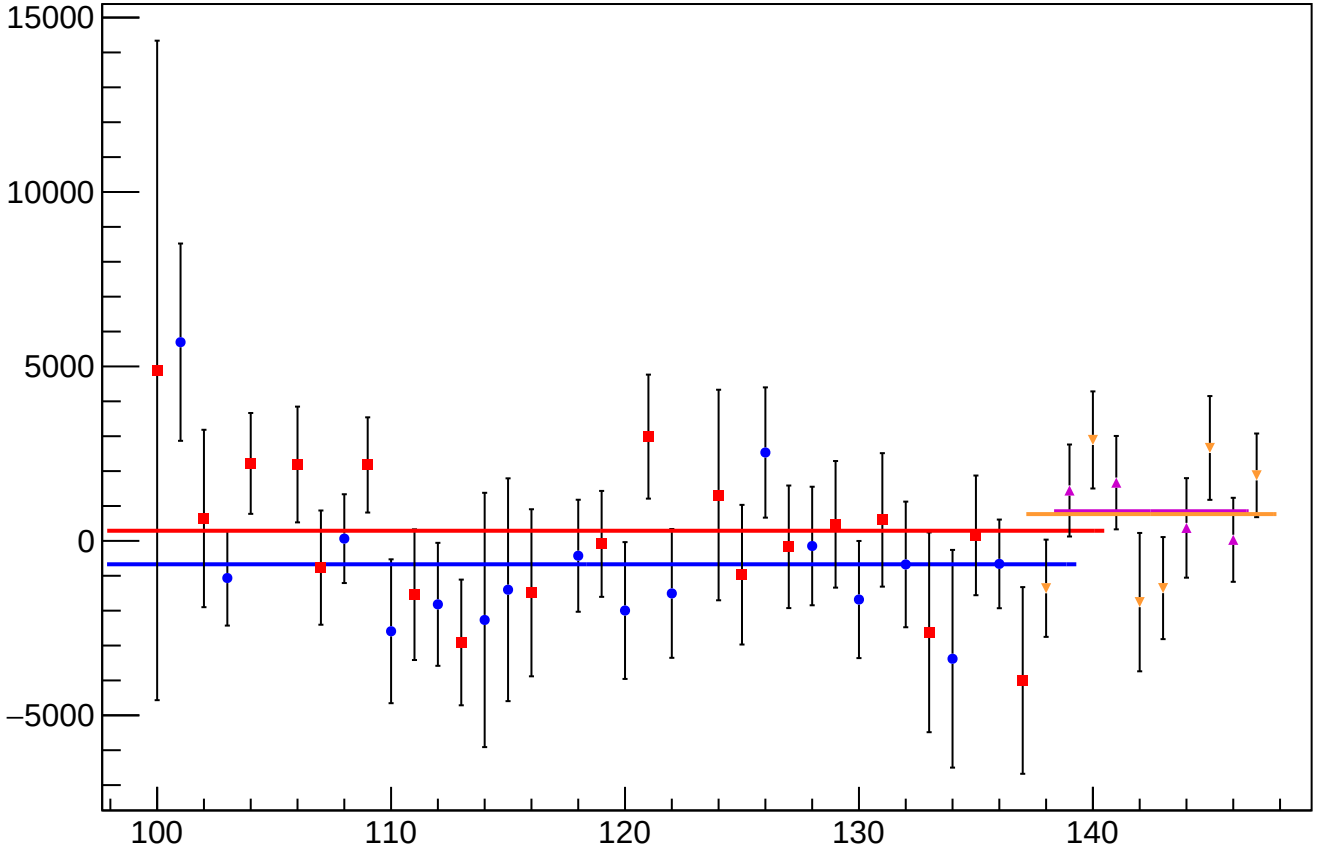
Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

+ sign 3152.009+/-0.669 χ^2/NDF: 1155370.7/21

All: 3092.217+/-0.476 χ^2/NDF: 2605289.4/44

- sign 3031.097+/-0.676 χ^2/NDF: 1433769.4/22

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 767.790+/-587.131 χ^2/NDF:10.9/5

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

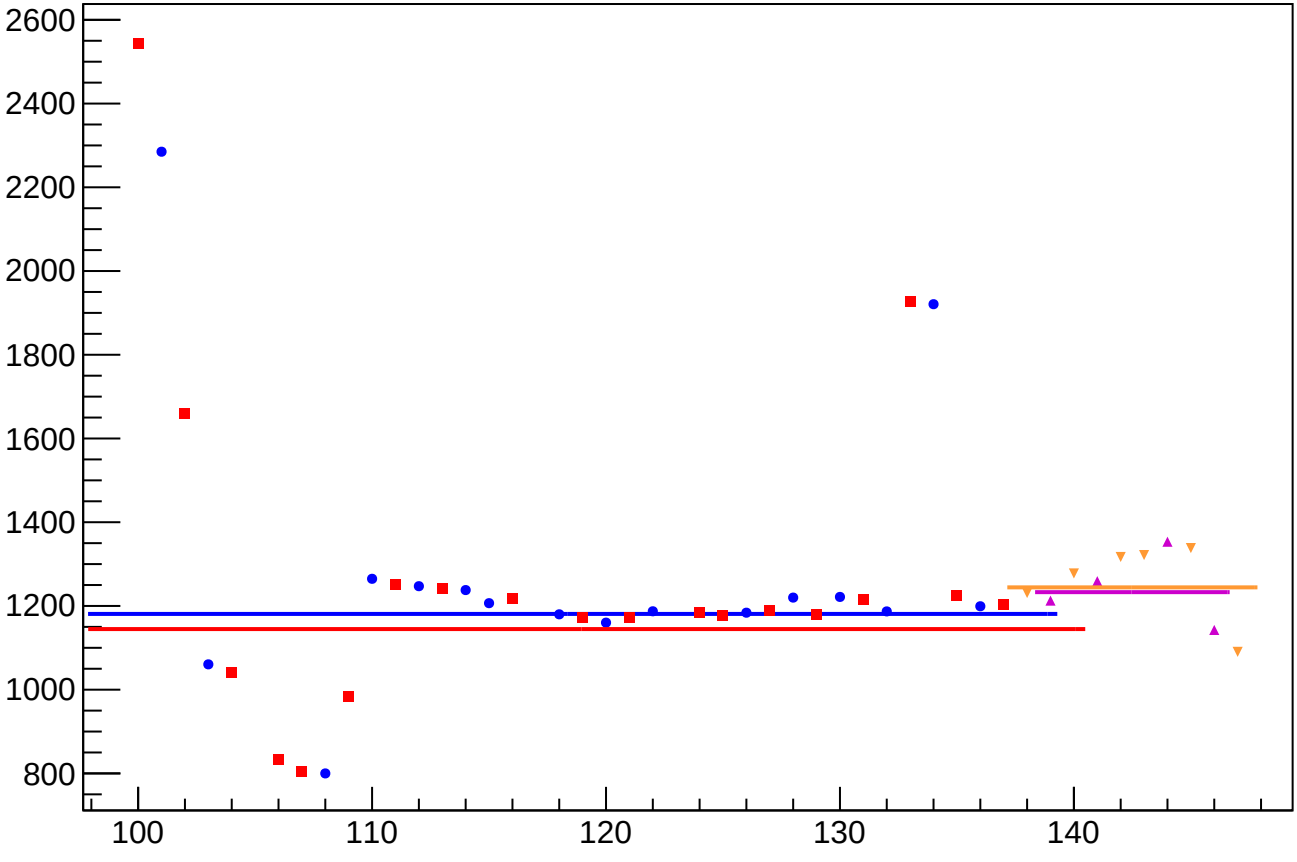
Left In: 849.354+/-657.266 χ^2/NDF:1.2/3

+ sign -140.699+/-356.411 χ^2/NDF: 26.5/21

All: 154.772+/-254.117 χ^2/NDF: 46.5/44

- sign 460.283+/-362.416 χ^2/NDF: 18.6/22

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1244.391+/-0.415 χ^2/NDF:50567.6/5

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

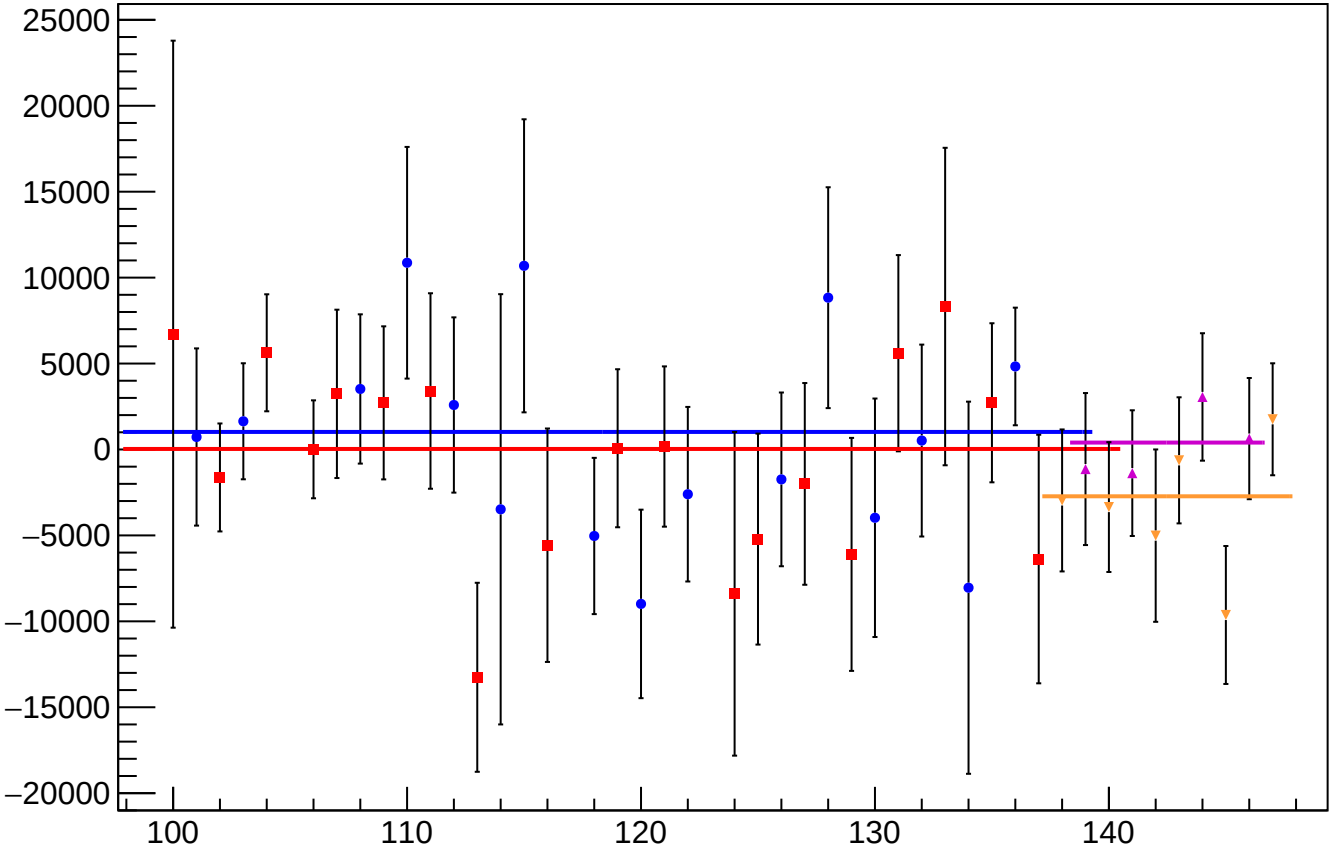
Left In: 1232.960+/-0.465 χ^2/NDF:26735.3/3

+ sign 1204.331+/-0.252 χ^2/NDF: 687190.0/21

All: 1188.220+/-0.180 χ^2/NDF: 1245028.8/44

- sign 1171.571+/-0.256 χ^2/NDF: 549528.5/22

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2724.543+/-1582.989 χ^2/NDF:5.4/5

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

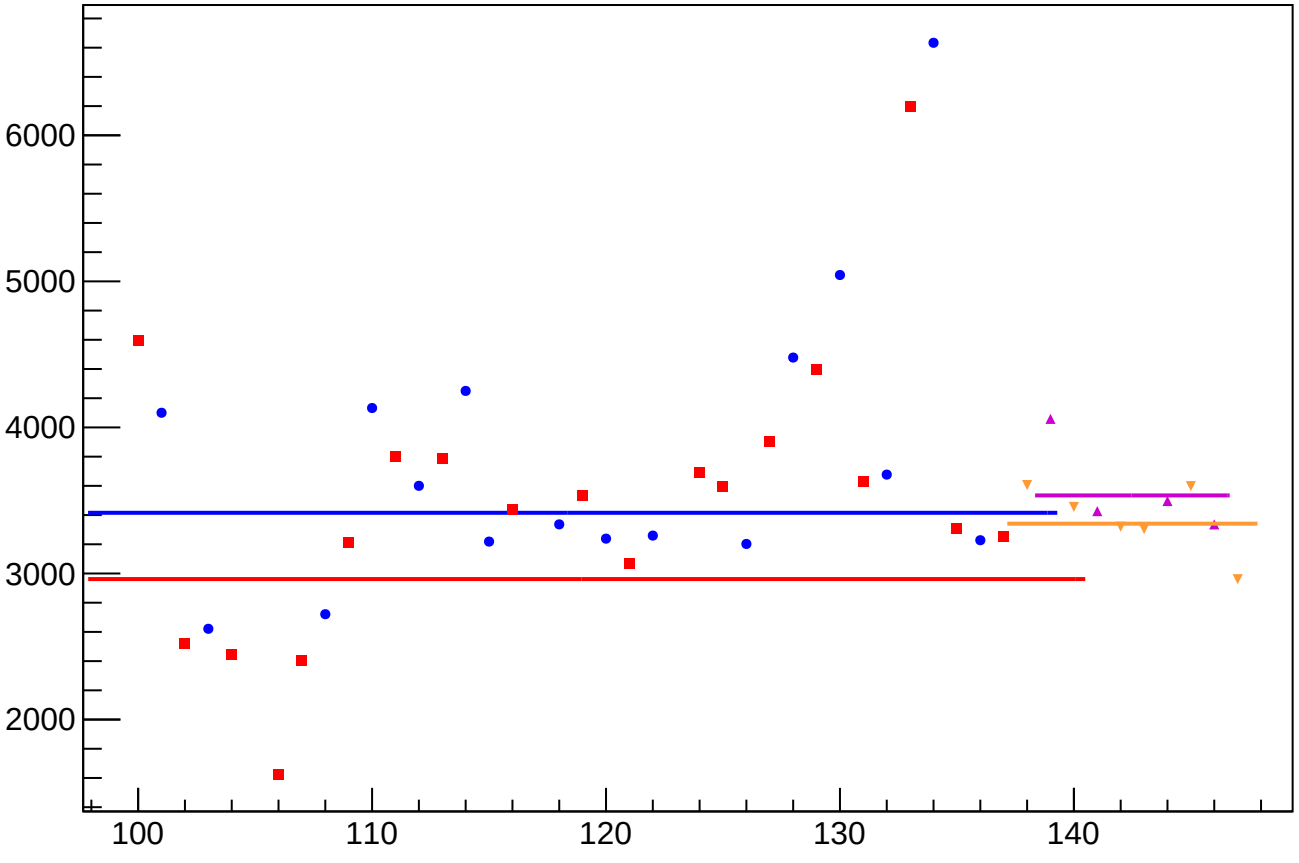
Left In: 401.436+/-1893.102 χ^2/NDF:0.9/3

+ sign -490.965+/-1005.762 χ^2/NDF: 22.6/21

All: -170.644+/-698.477 χ^2/NDF: 39.9/44

- sign 127.769+/-970.760 χ^2/NDF: 17.0/22

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3341.113+/-1.119 χ^2/NDF:45715.1/5

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

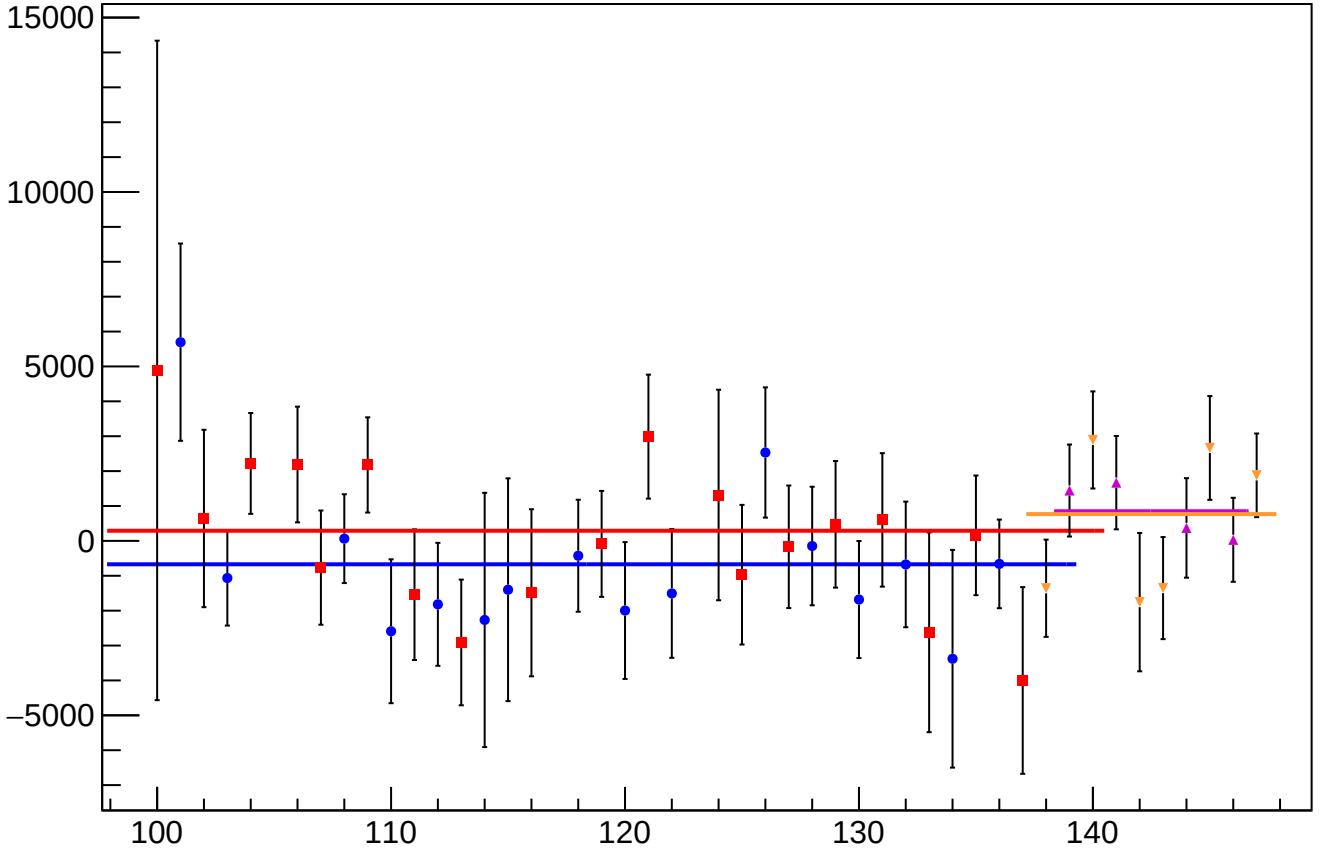
Left In: 3534.539+/-1.339 χ^2/NDF:36368.1/3

+ sign 3385.528+/-0.711 χ^2/NDF: 640699.4/21

All: 3244.129+/-0.494 χ^2/NDF: 2057607.6/44

- sign 3112.401+/-0.686 χ^2/NDF: 1340551.3/22

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 767.791+/-587.132 χ^2/NDF:10.9/5

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

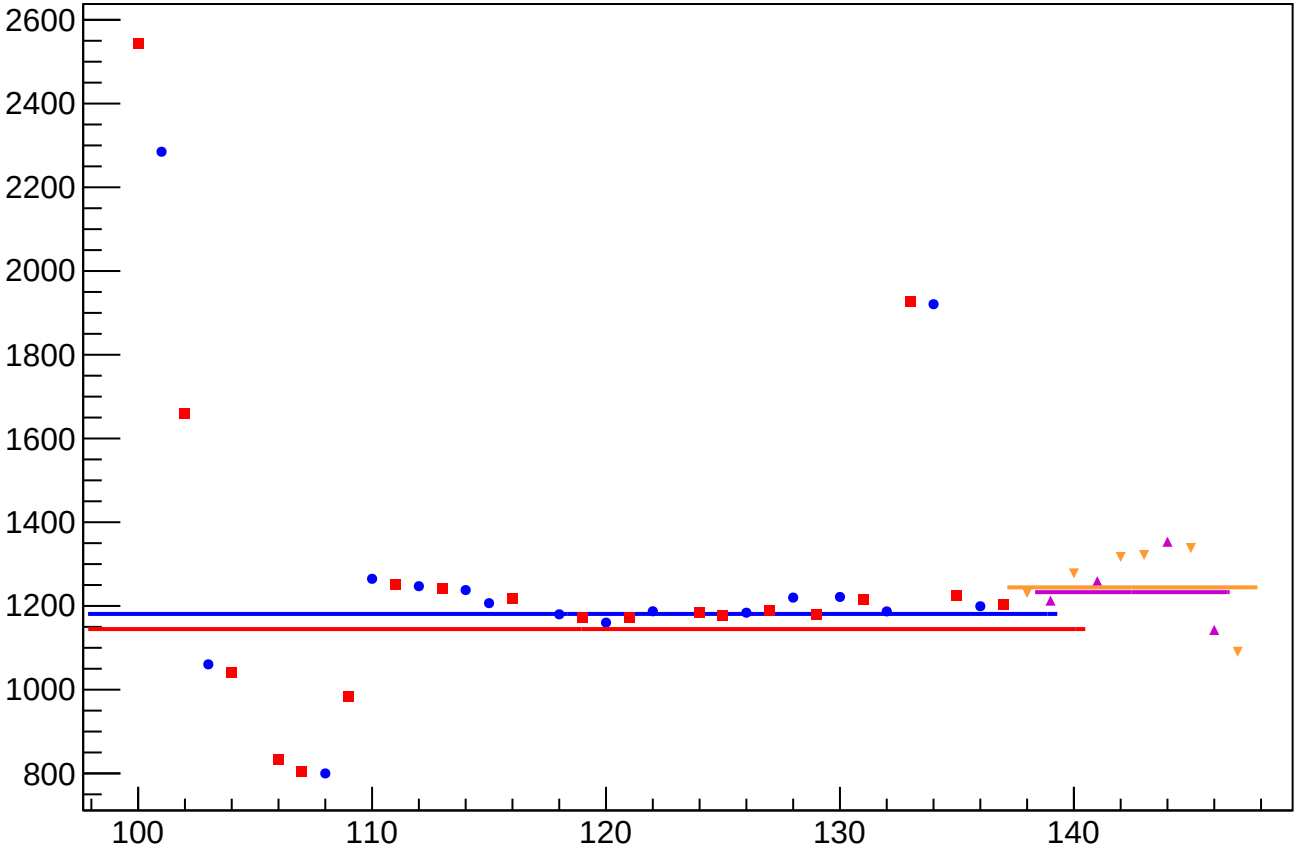
Left In: 849.348+/-657.267 χ^2/NDF:1.2/3

+ sign -140.702+/-356.411 χ^2/NDF: 26.5/21

All: 154.771+/-254.117 χ^2/NDF: 46.5/44

- sign 460.284+/-362.416 χ^2/NDF: 18.6/22

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1244.392+/-0.415 χ^2/NDF:50567.6/5

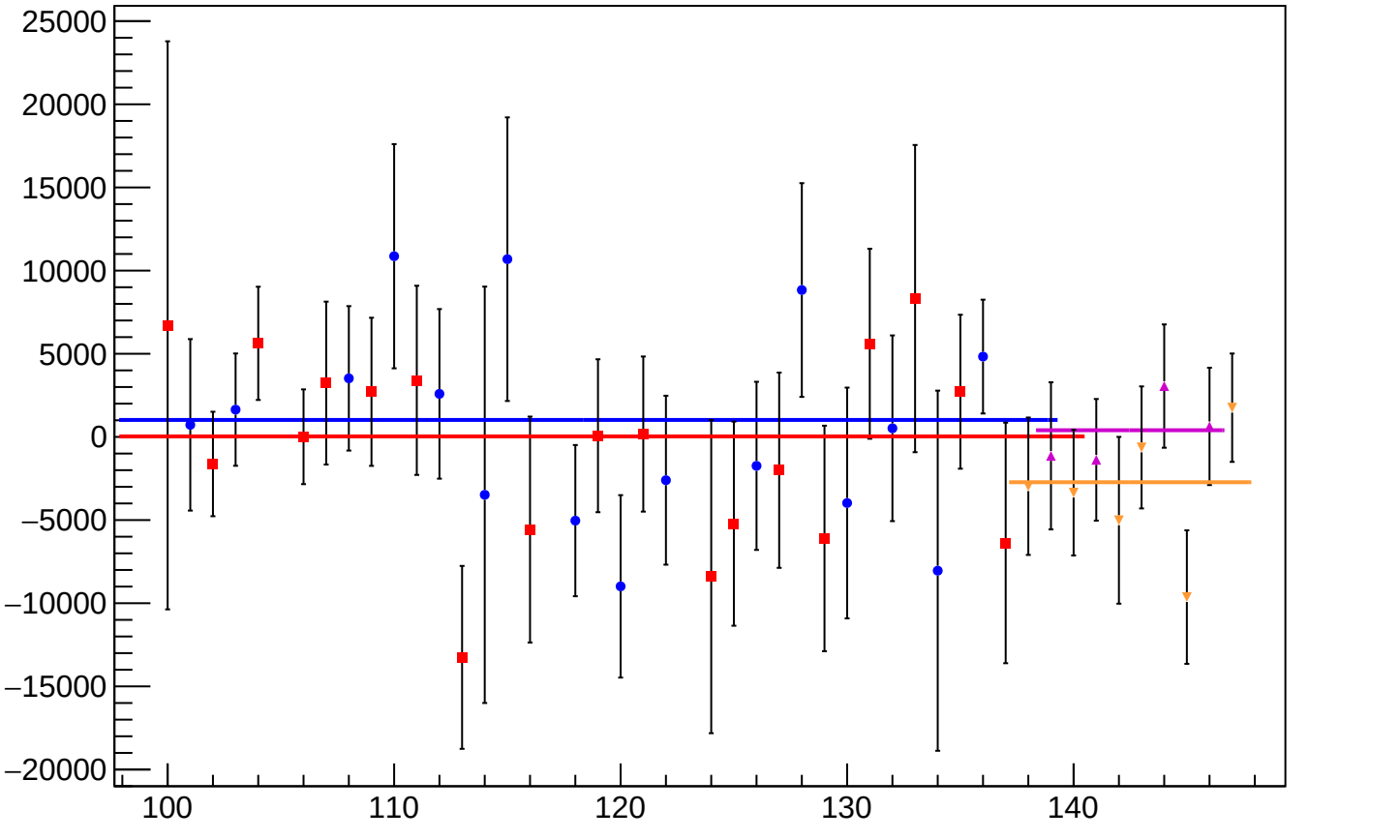
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1232.961+/-0.465 χ^2/NDF:26735.0/3

+ sign 1204.331+/-0.252 χ^2/NDF: 687190.7/21

All: 1188.220+/-0.180 χ^2/NDF: 1245028.8/44

- sign 1171.571+/-0.256 χ^2/NDF: 549527.9/22



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2724.546+/-1582.991 χ^2/NDF:5.4/5

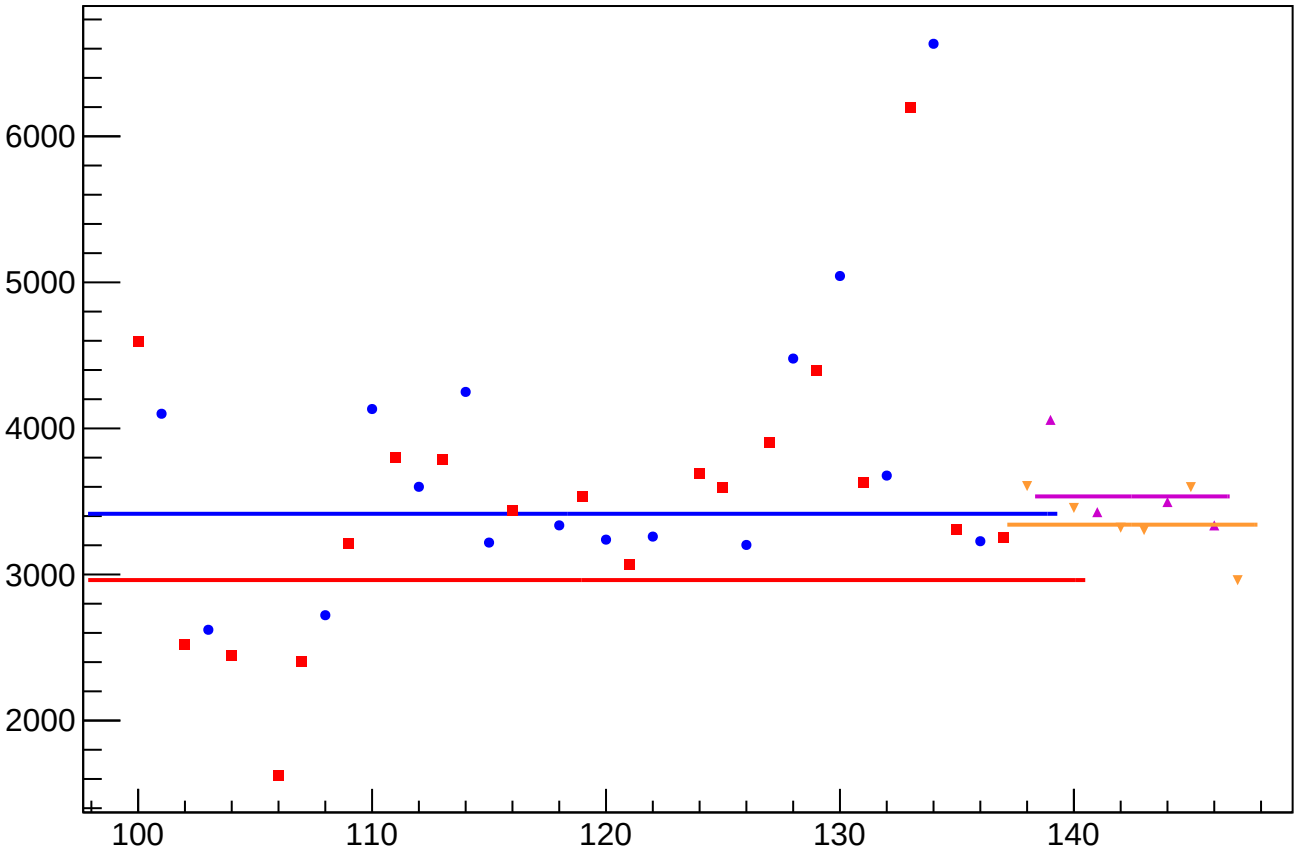
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 401.427+/-1893.103 χ^2/NDF:0.9/3

+ sign -490.972+/-1005.762 χ^2/NDF: 22.6/21

All: -170.646+/-698.477 χ^2/NDF: 39.9/44

- sign 127.771+/-970.759 χ^2/NDF: 17.0/22



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3341.117+/-1.119 χ^2/NDF:45714.7/5

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

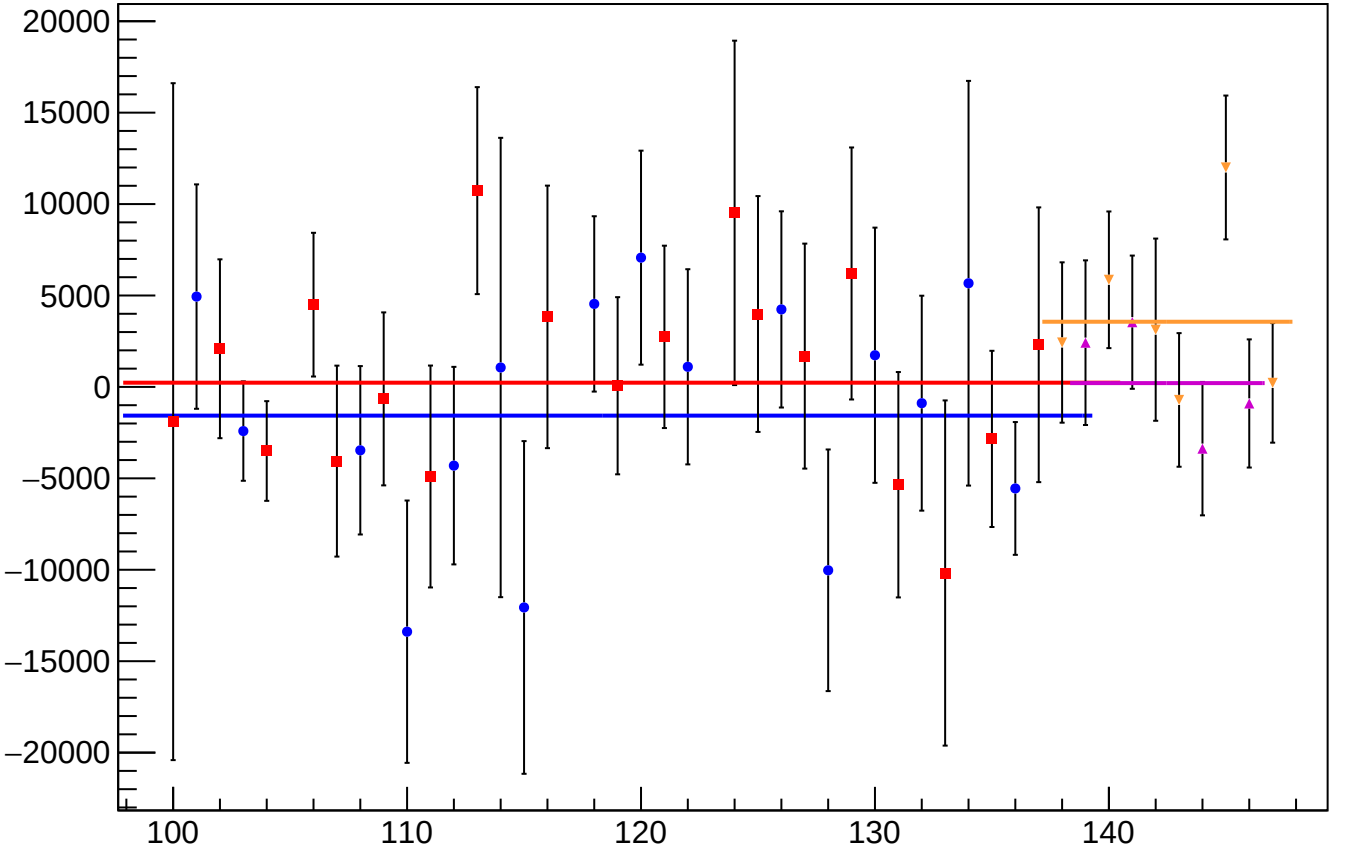
Left In: 3534.543+/-1.339 χ^2/NDF:36368.2/3

+ sign 3385.528+/-0.711 χ^2/NDF: 640693.5/21

All: 3244.127+/-0.494 χ^2/NDF: 2057607.1/44

- sign 3112.398+/-0.686 χ^2/NDF: 1340554.8/22

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 3564.696+/-1587.268 χ^2/NDF:7.5/5

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

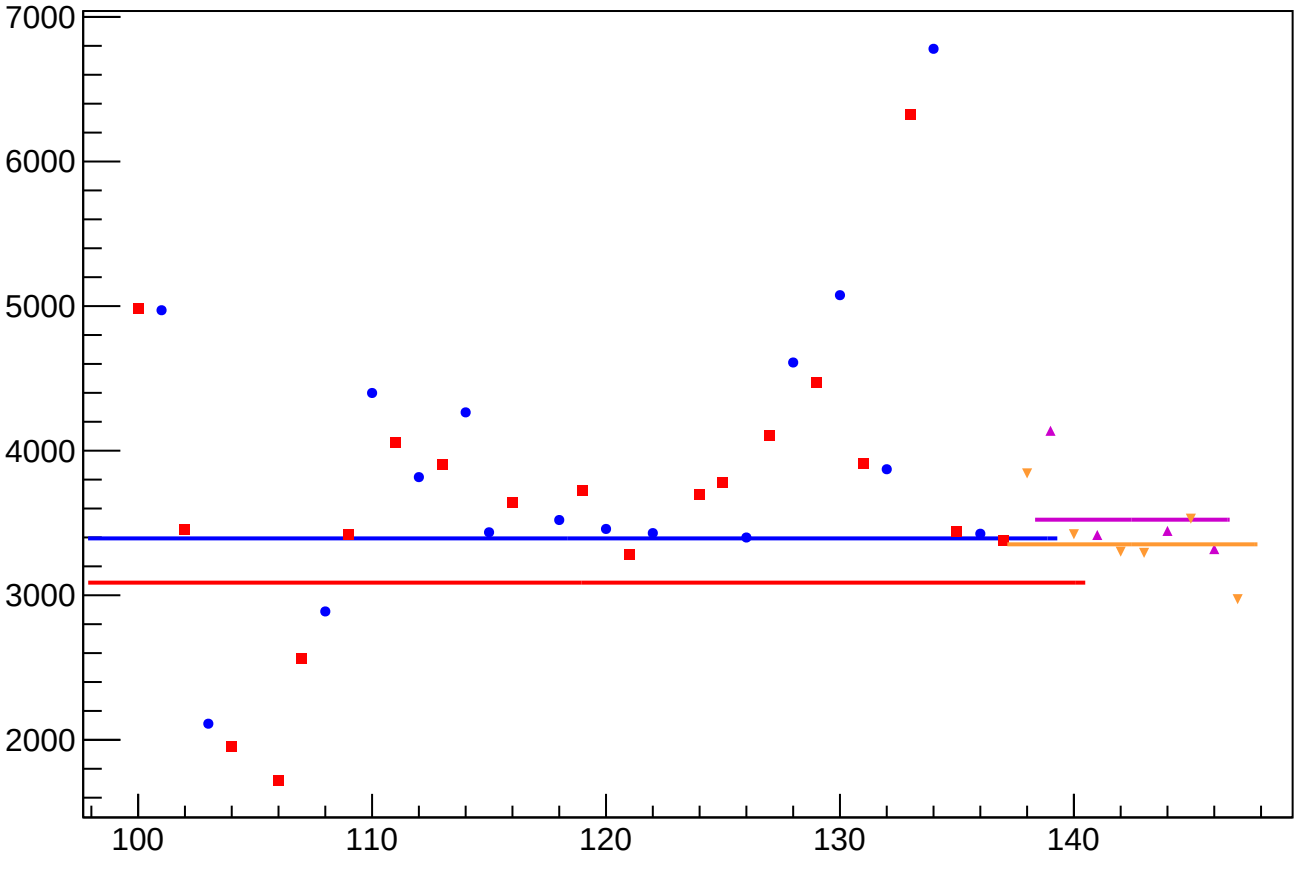
Left In: 208.898+/-1885.747 χ^2/NDF:2.1/3

\+ sign 516.077+/-1011.687 χ^2/NDF: 28.1/21

All: 372.477+/-720.680 χ^2/NDF: 43.6/44

\- sign 224.534+/-1026.874 χ^2/NDF: 15.4/22

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3352.306+/-1.122 χ^2/NDF:57456.3/5

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

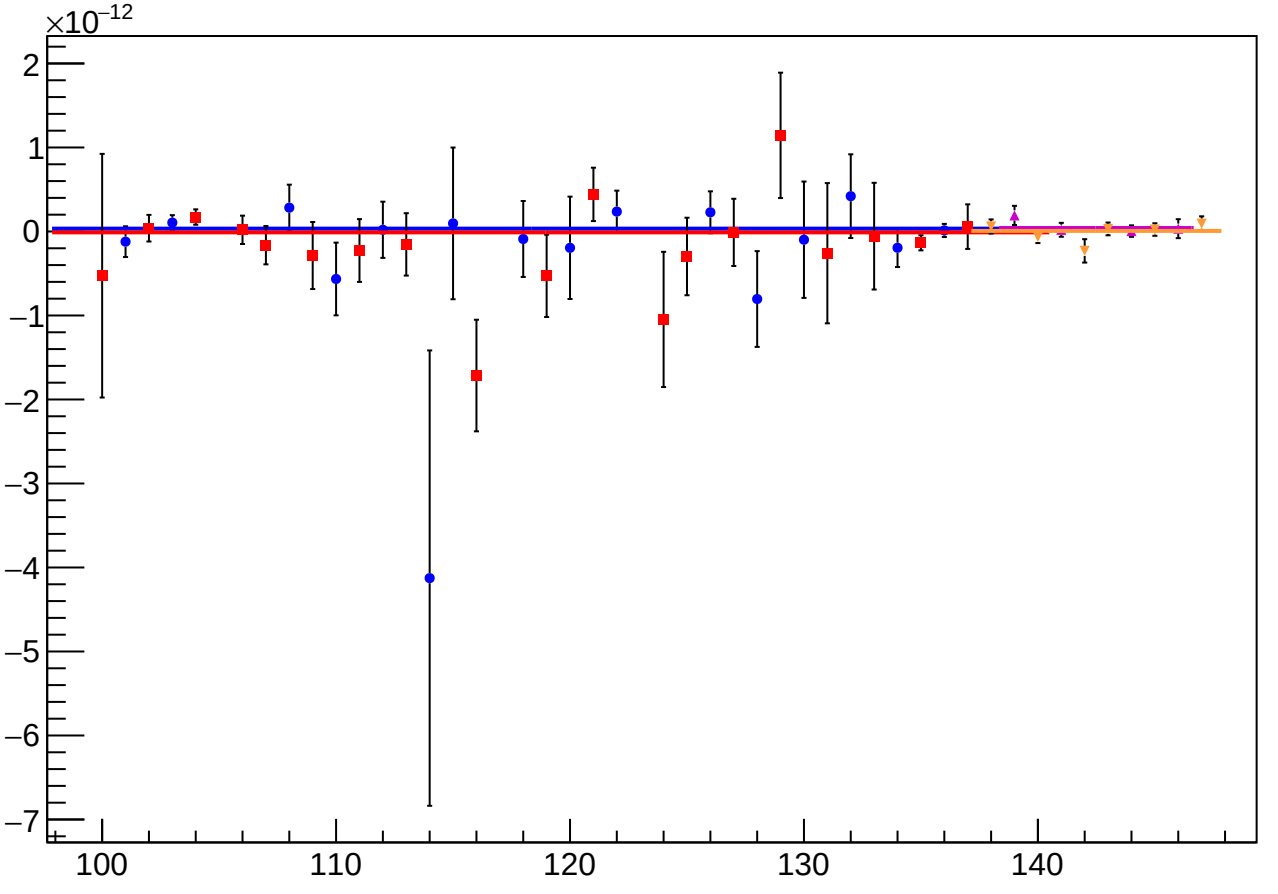
Left In: 3522.707+/-1.333 χ^2/NDF:46630.3/3

+ sign 3376.685+/-0.715 χ^2/NDF: 1106958.4/21

All: 3295.268+/-0.507 χ^2/NDF: 2583677.5/44

- sign 3213.369+/-0.717 χ^2/NDF: 1450736.7/22

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

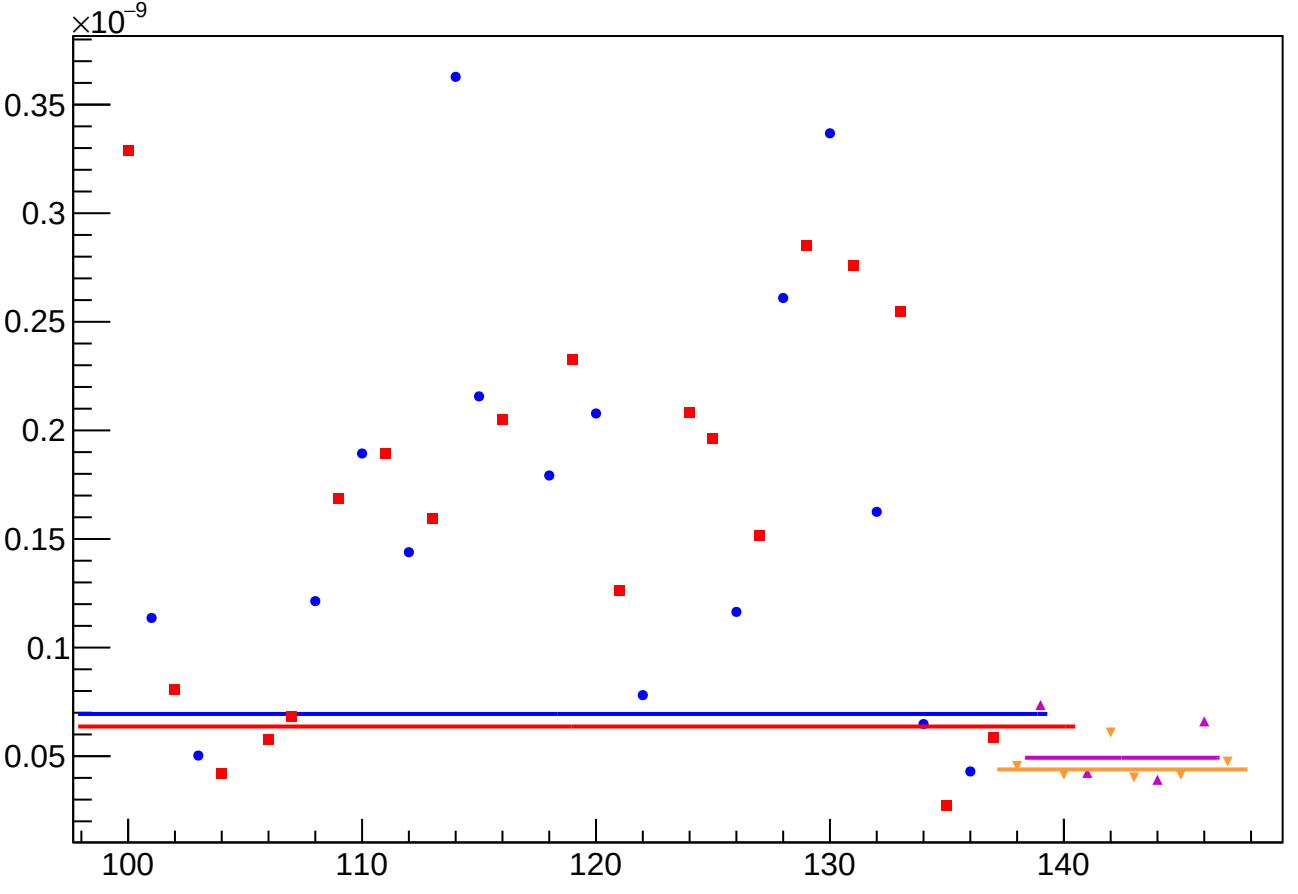
Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/21

All: 0.000+/-0.000 χ^2/NDF: 42.0/44

- sign 0.000+/-0.000 χ^2/NDF: 24.6/22

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:43085.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

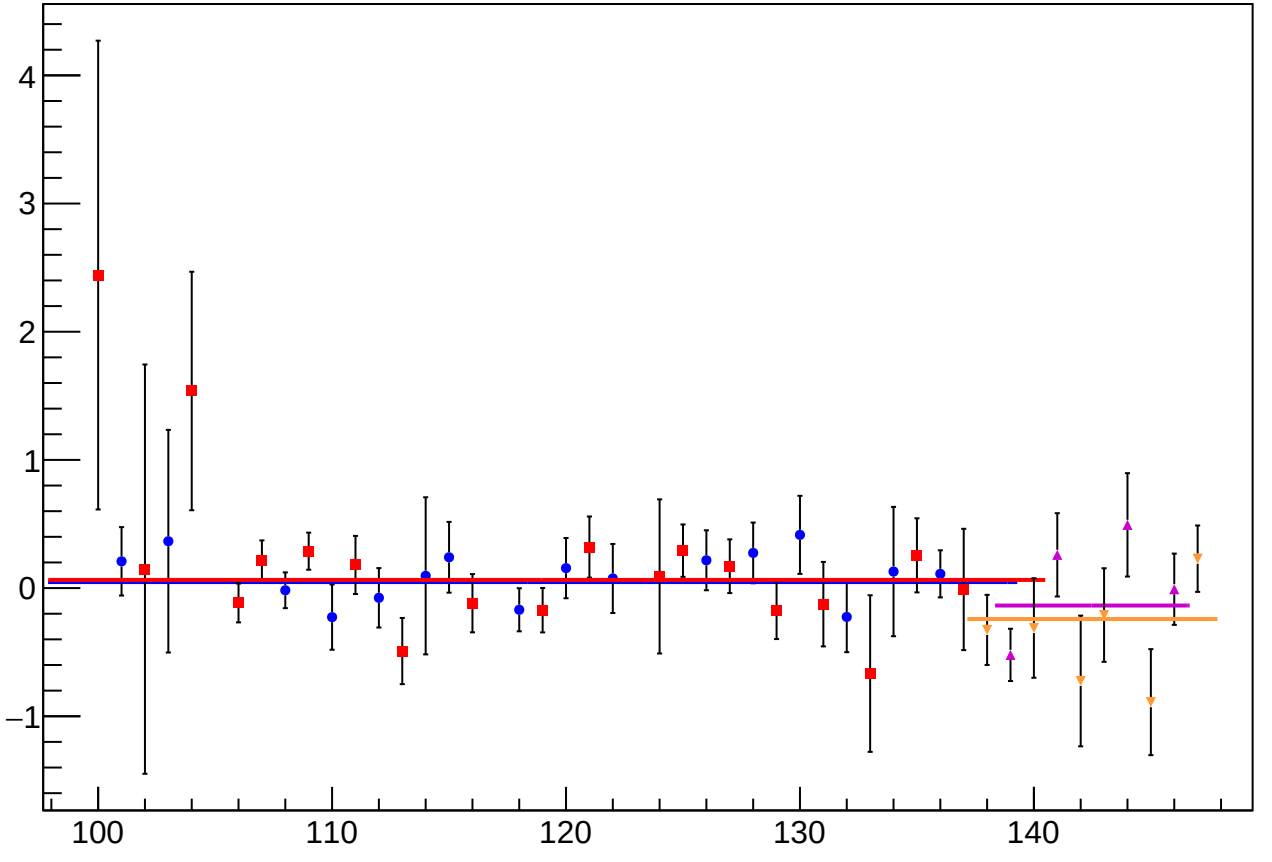
Left In: 0.000+/-0.000 χ^2/NDF:193029.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2139682.3/21

All: 0.000+/-0.000 χ^2/NDF: 4689590.4/44

- sign 0.000+/-0.000 χ^2/NDF: 2537492.8/22

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: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

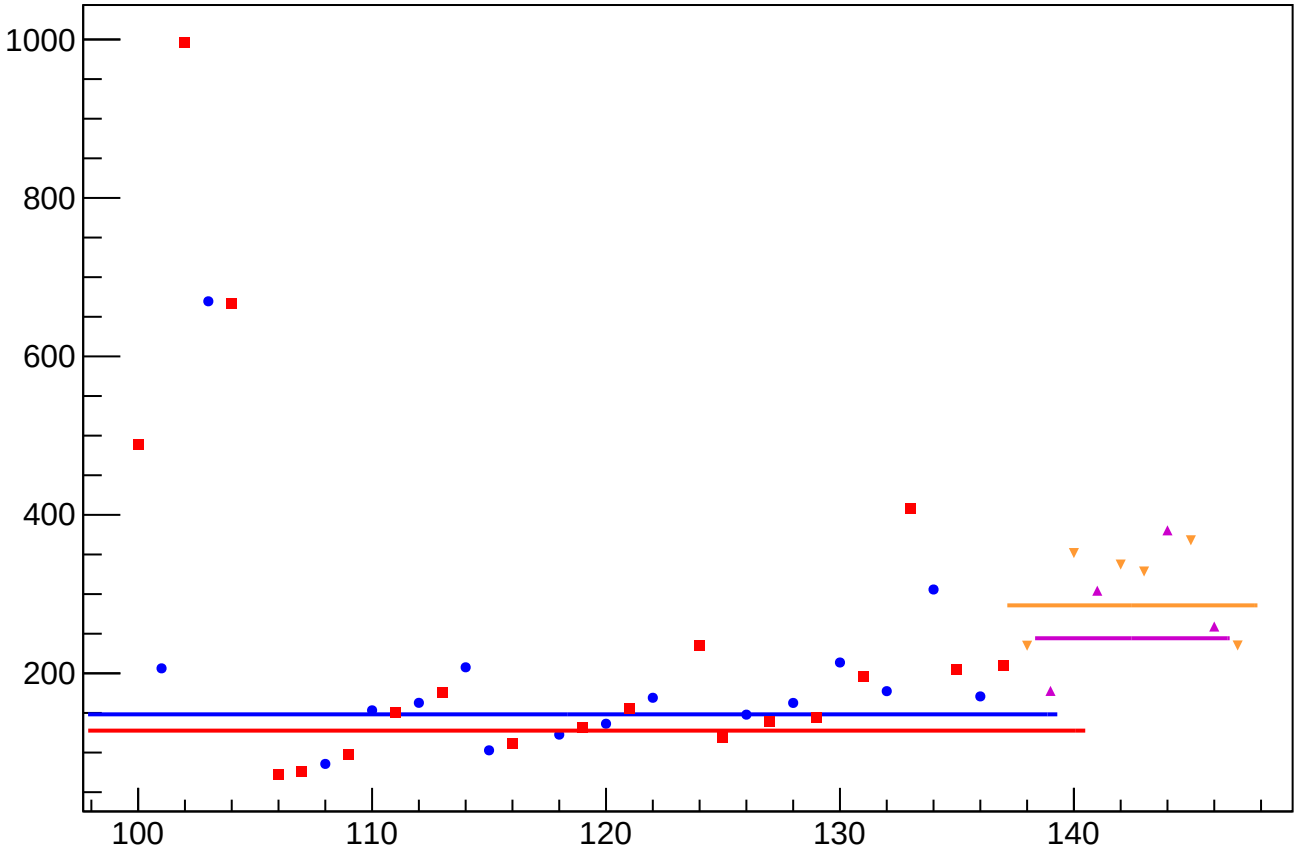
Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.020+/-0.037 χ^2/NDF: 51.0/44

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22

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: 285.777+/-0.098 χ^2/NDF:330219.0/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

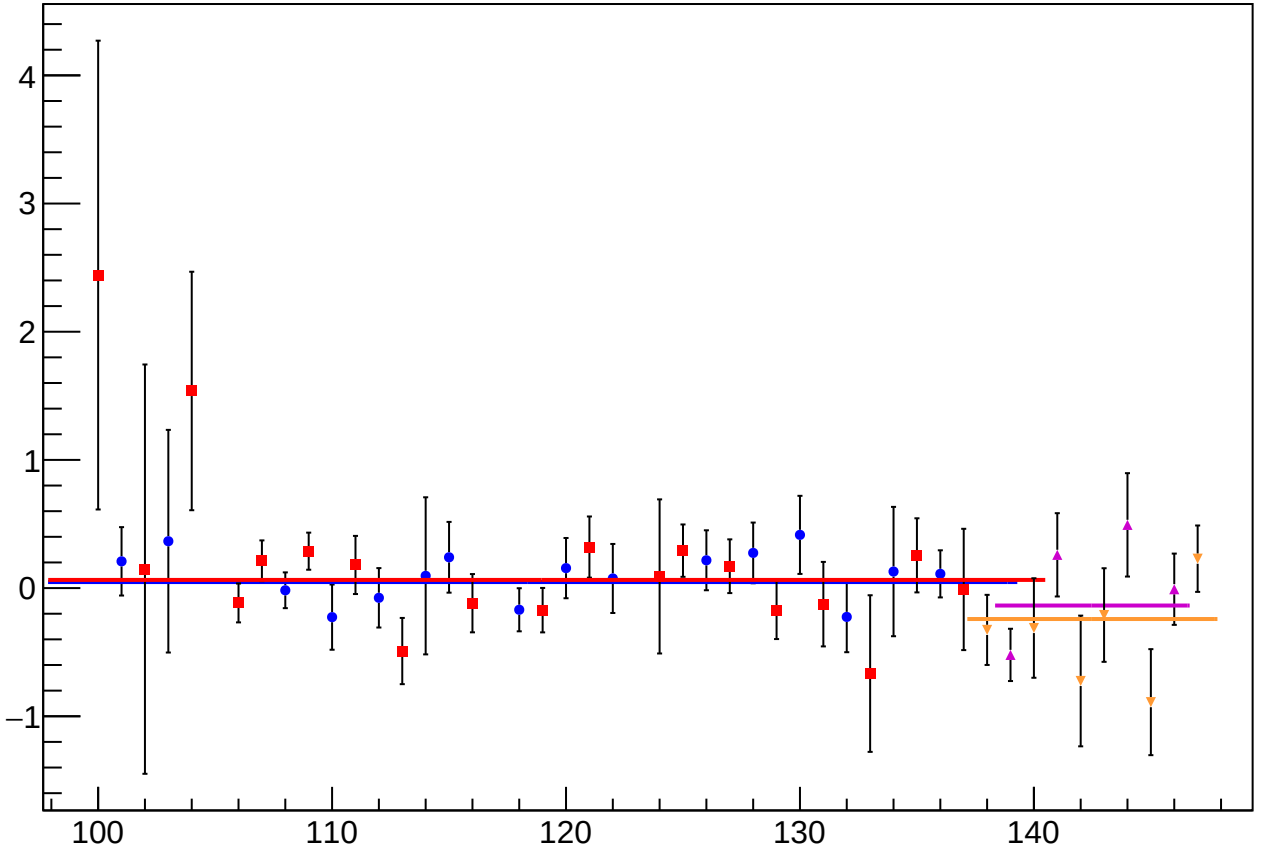
Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

+ sign 169.984+/-0.039 χ^2/NDF: 3700119.1/21

All: 155.691+/-0.026 χ^2/NDF: 8541353.5/44

- sign 143.523+/-0.036 χ^2/NDF: 4591881.9/22

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: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

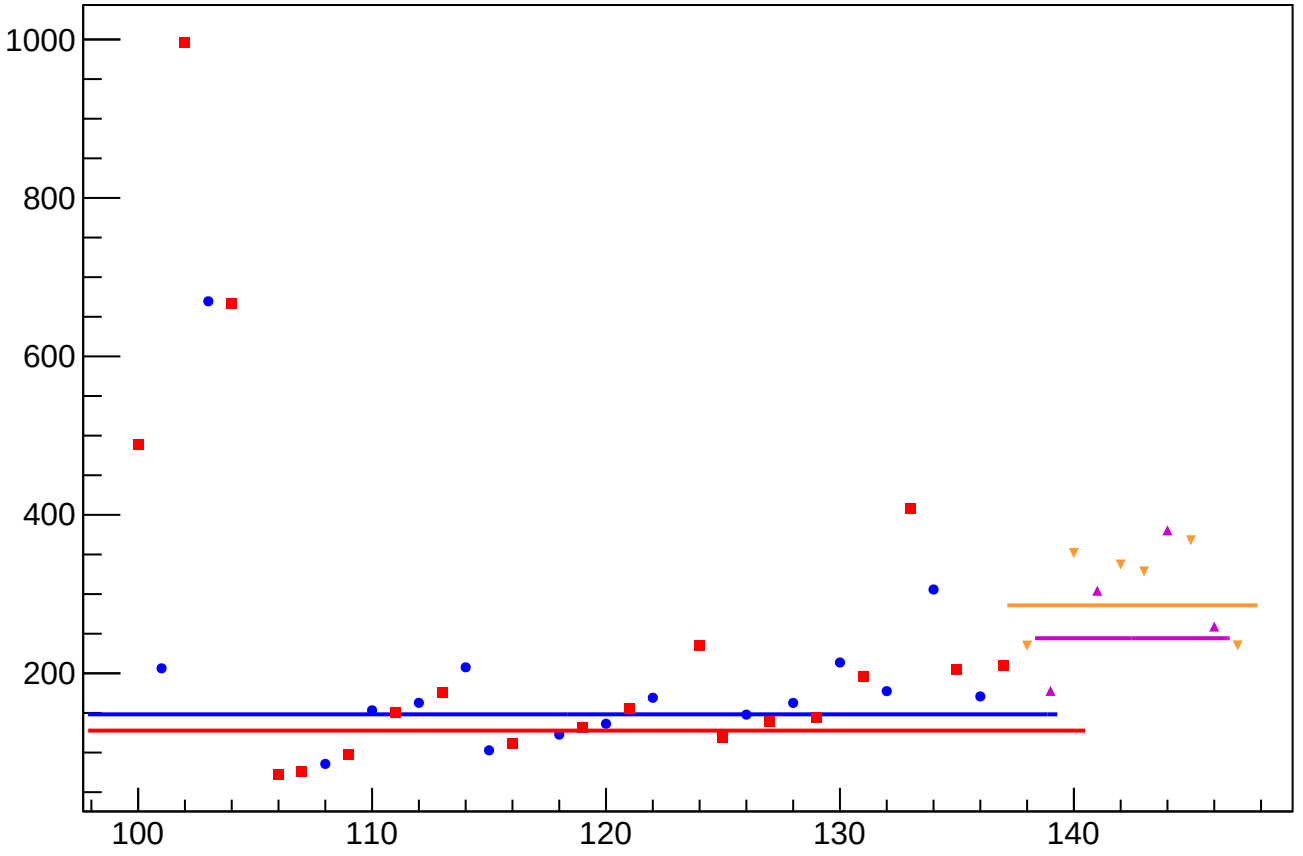
Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.020+/-0.037 χ^2/NDF: 51.0/44

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22

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: 285.777+/-0.098 χ^2/NDF:330219.0/5

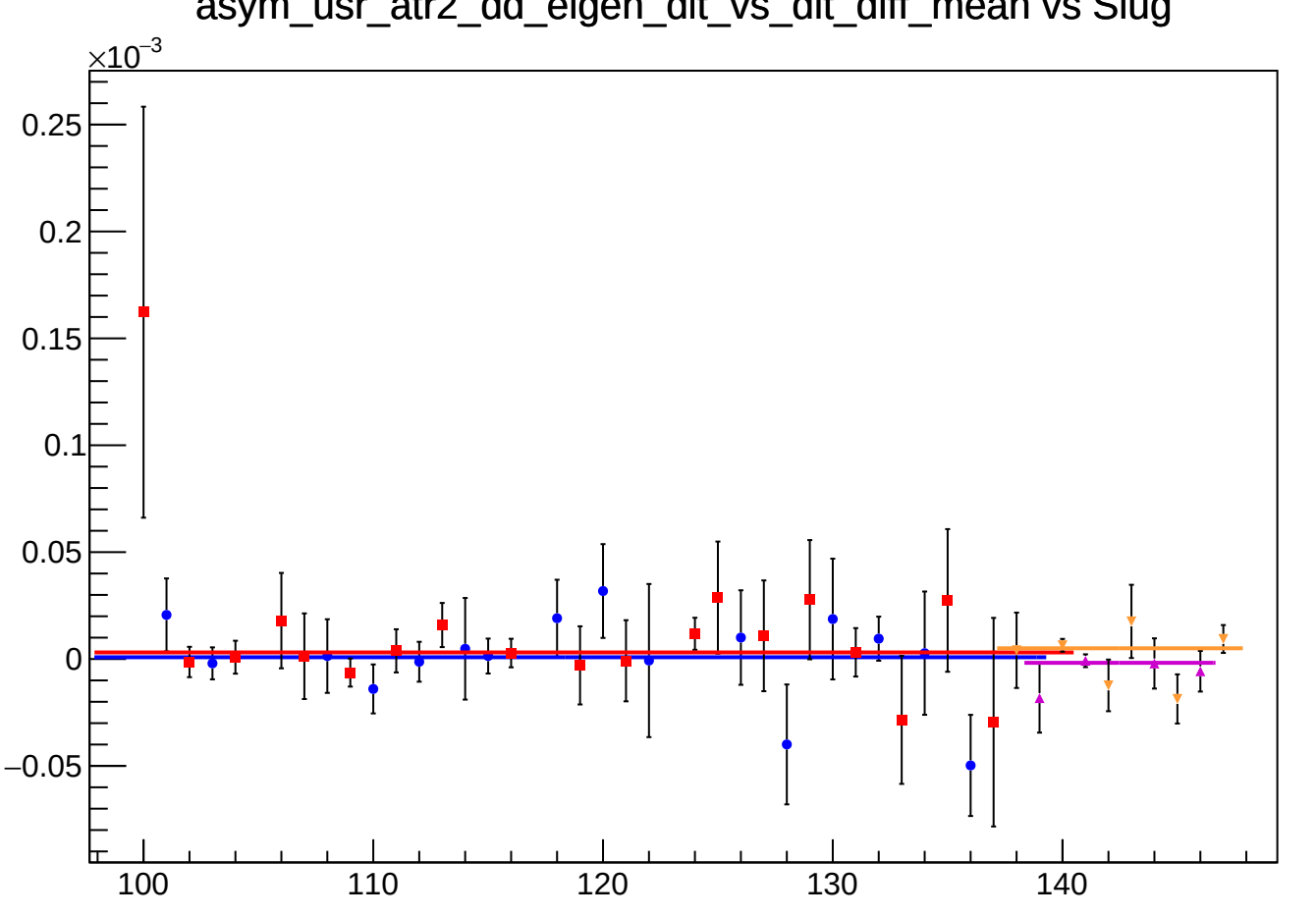
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

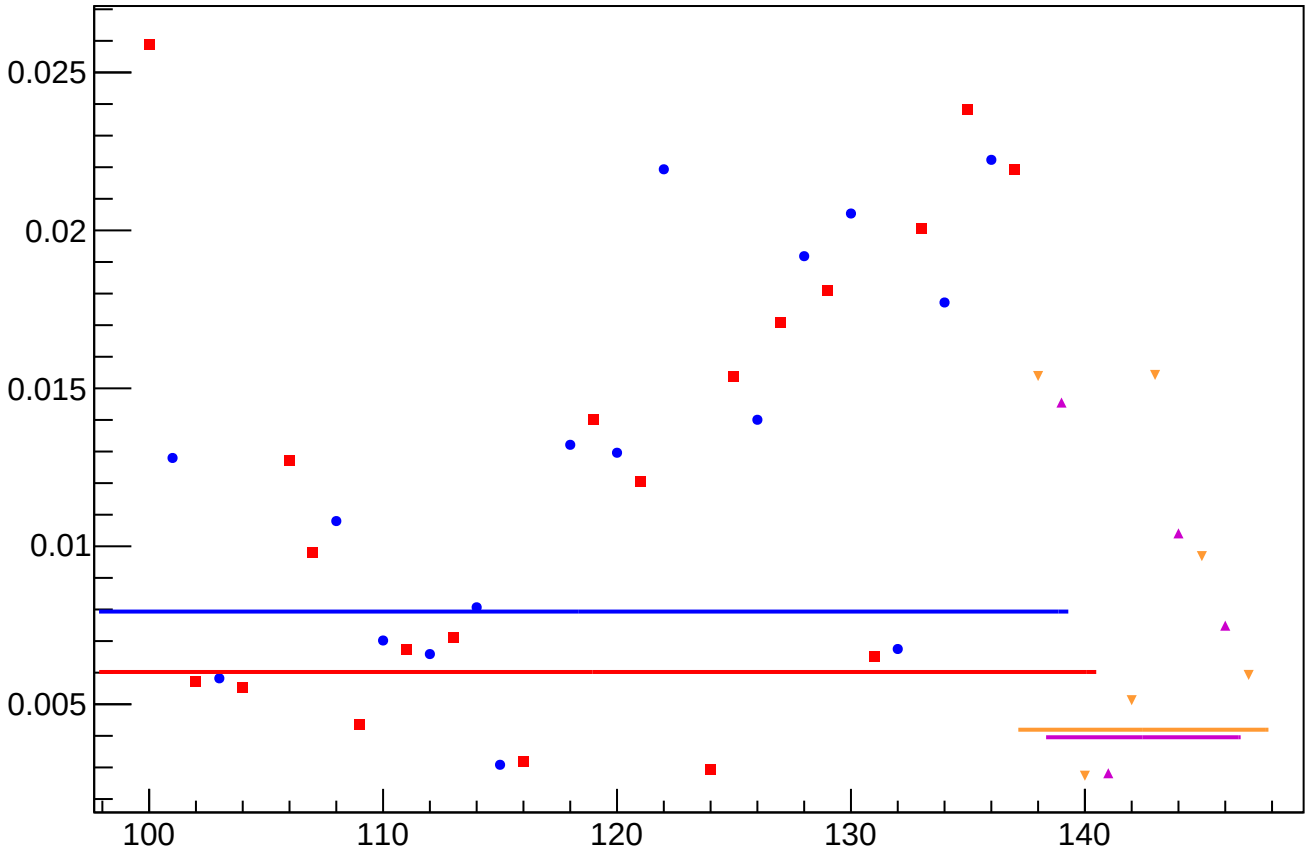
Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

+ sign 169.984+/-0.039 χ^2/NDF: 3700119.1/21

All: 155.691+/-0.026 χ^2/NDF: 8541353.5/44

- sign 143.523+/-0.036 χ^2/NDF: 4591881.9/22


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 12.7/18
Left In: -0.000+/-0.000 χ²/NDF:1.3/3
+ sign 0.000+/-0.000 χ²/NDF: 22.7/21
All: 0.000+/-0.000 χ²/NDF: 39.4/44
- sign 0.000+/-0.000 χ²/NDF: 15.7/22



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2752142.2/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

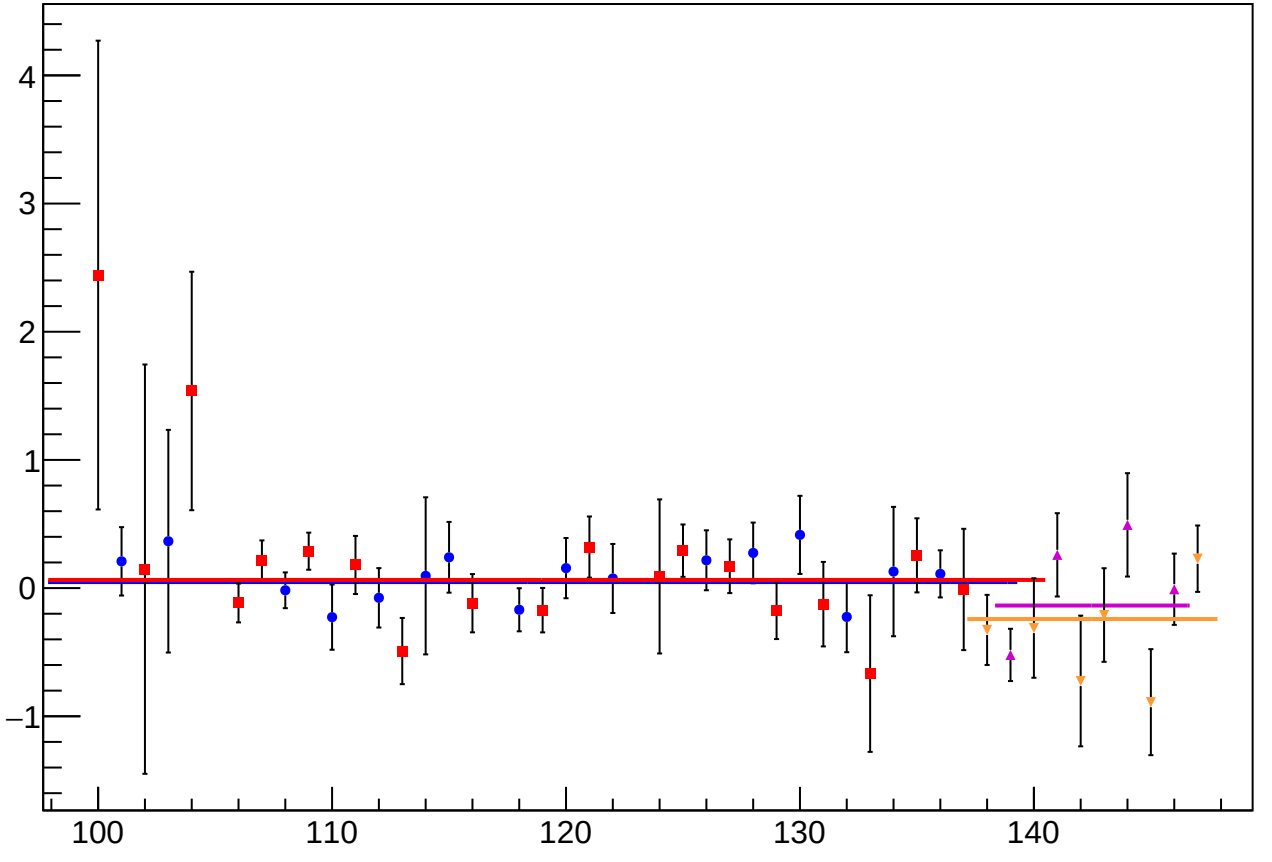
Left In: 0.004+/-0.000 χ^2/NDF:2027580.7/3

+ sign 0.005+/-0.000 χ^2/NDF: 7852648.9/21

All: 0.005+/-0.000 χ^2/NDF: 14536800.1/44

- sign 0.005+/-0.000 χ^2/NDF: 6628299.2/22

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: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

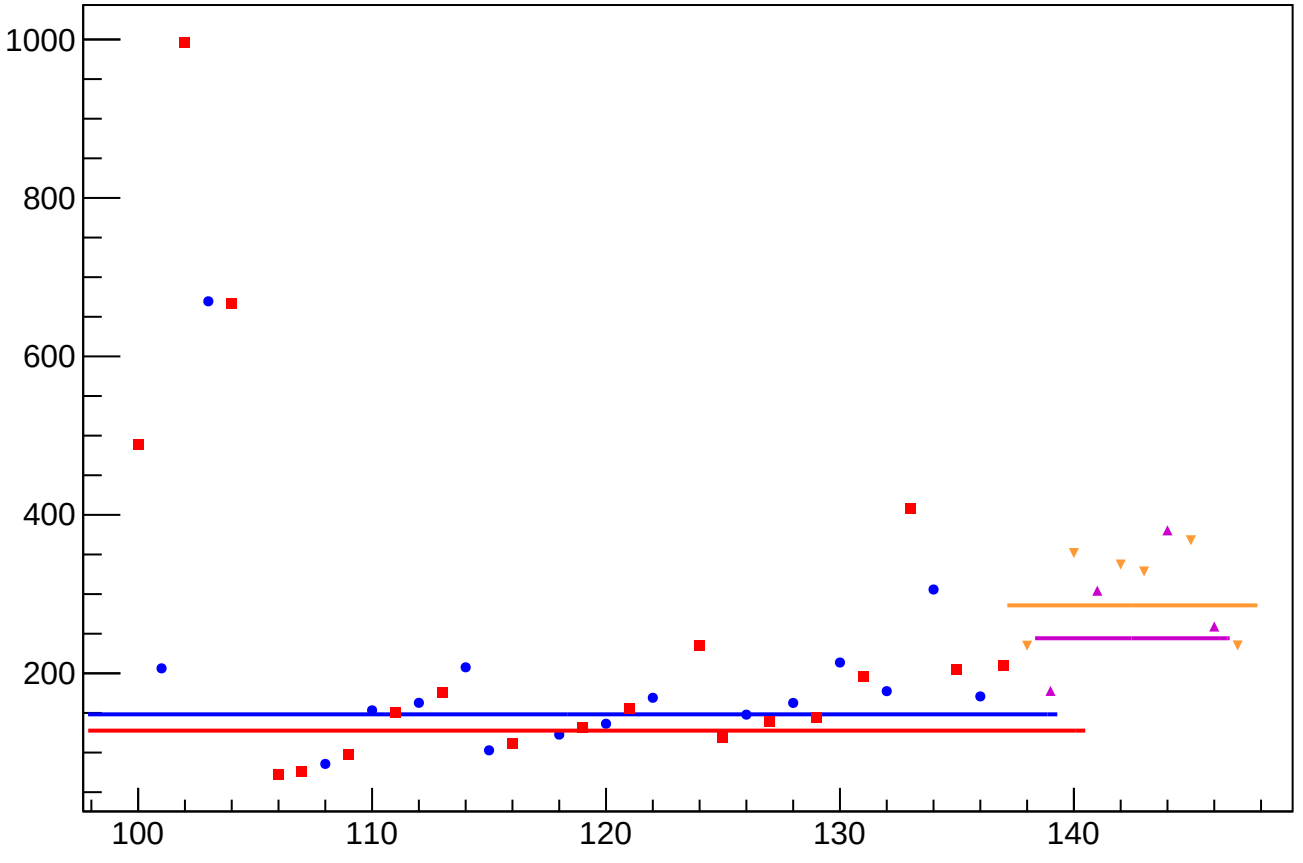
Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.020+/-0.037 χ^2/NDF: 51.0/44

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

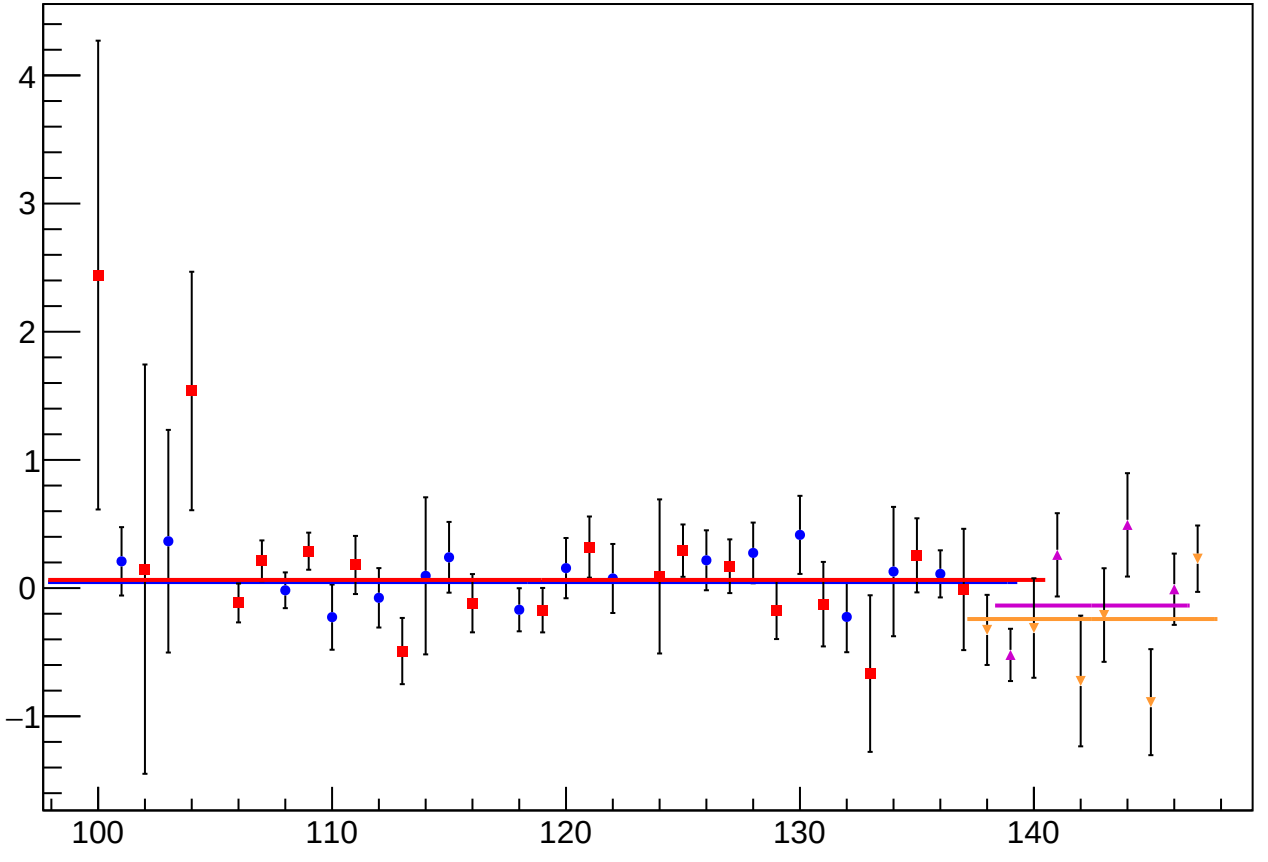
Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

+ sign 169.982+/-0.039 χ^2/NDF: 3700306.2/21

All: 155.690+/-0.026 χ^2/NDF: 8541506.2/44

- sign 143.523+/-0.036 χ^2/NDF: 4591893.2/22

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.241+/-0.139 χ^2/NDF:6.8/5

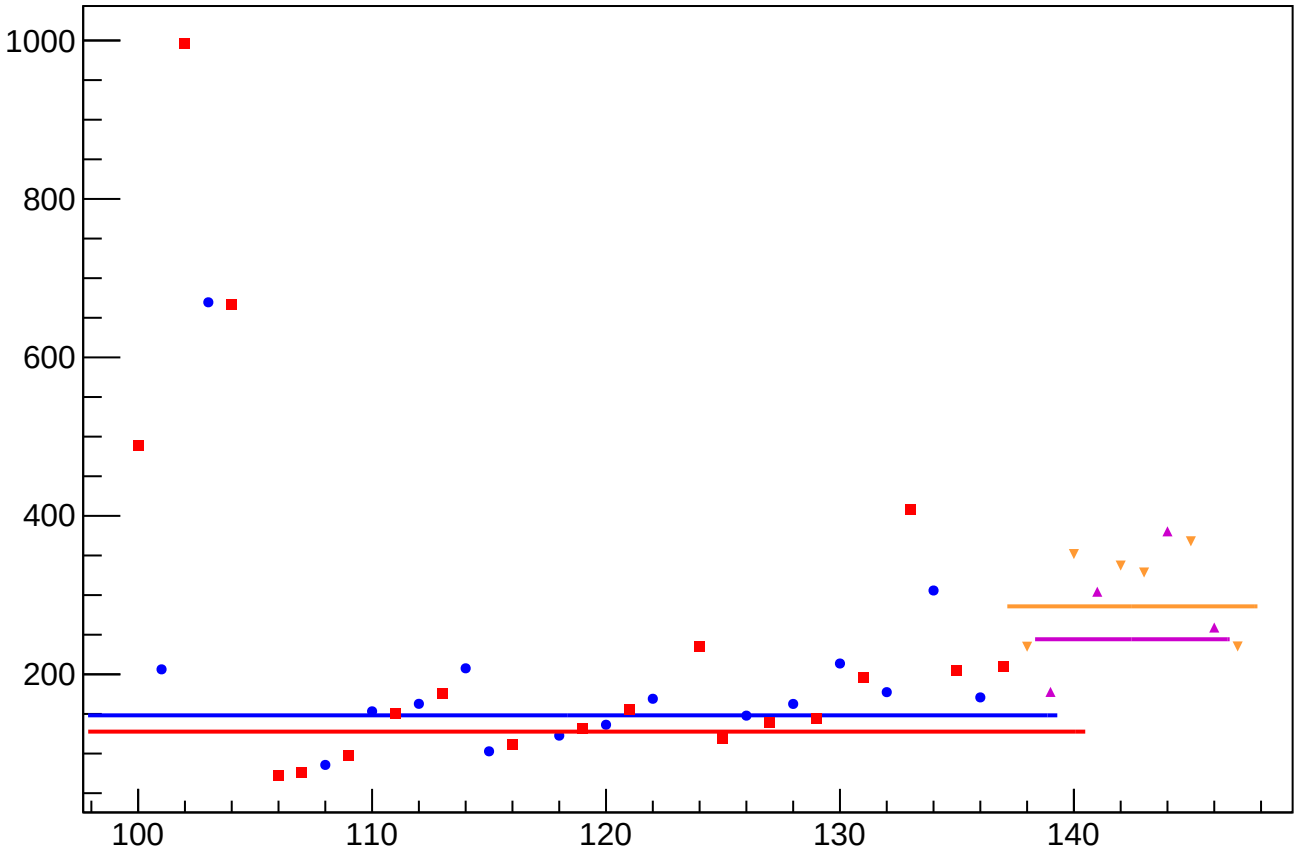
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.020+/-0.037 χ^2/NDF: 51.0/44

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

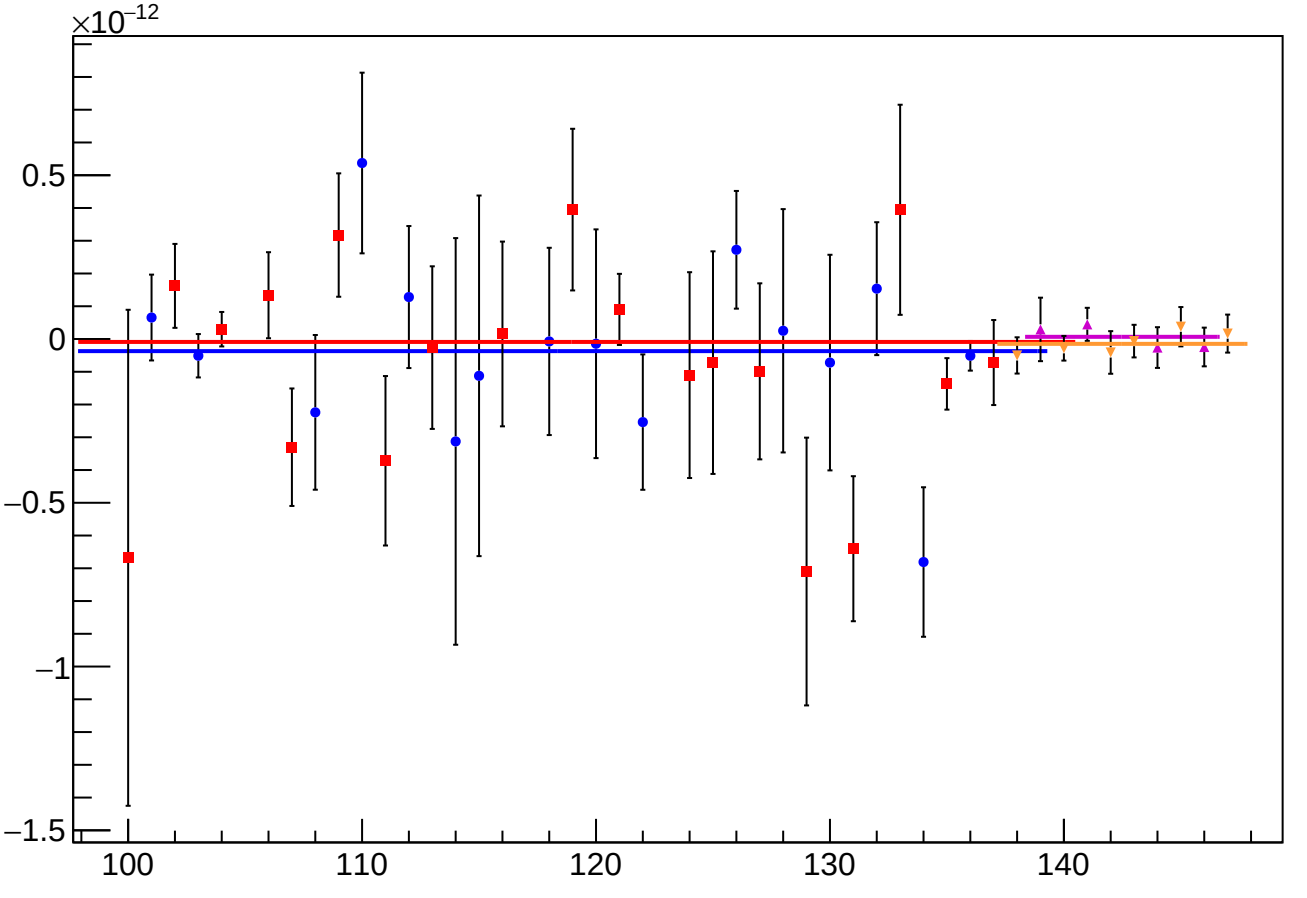
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

+ sign 169.982+/-0.039 χ^2/NDF: 3700306.2/21

All: 155.690+/-0.026 χ^2/NDF: 8541506.2/44

- sign 143.523+/-0.036 χ^2/NDF: 4591893.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/5

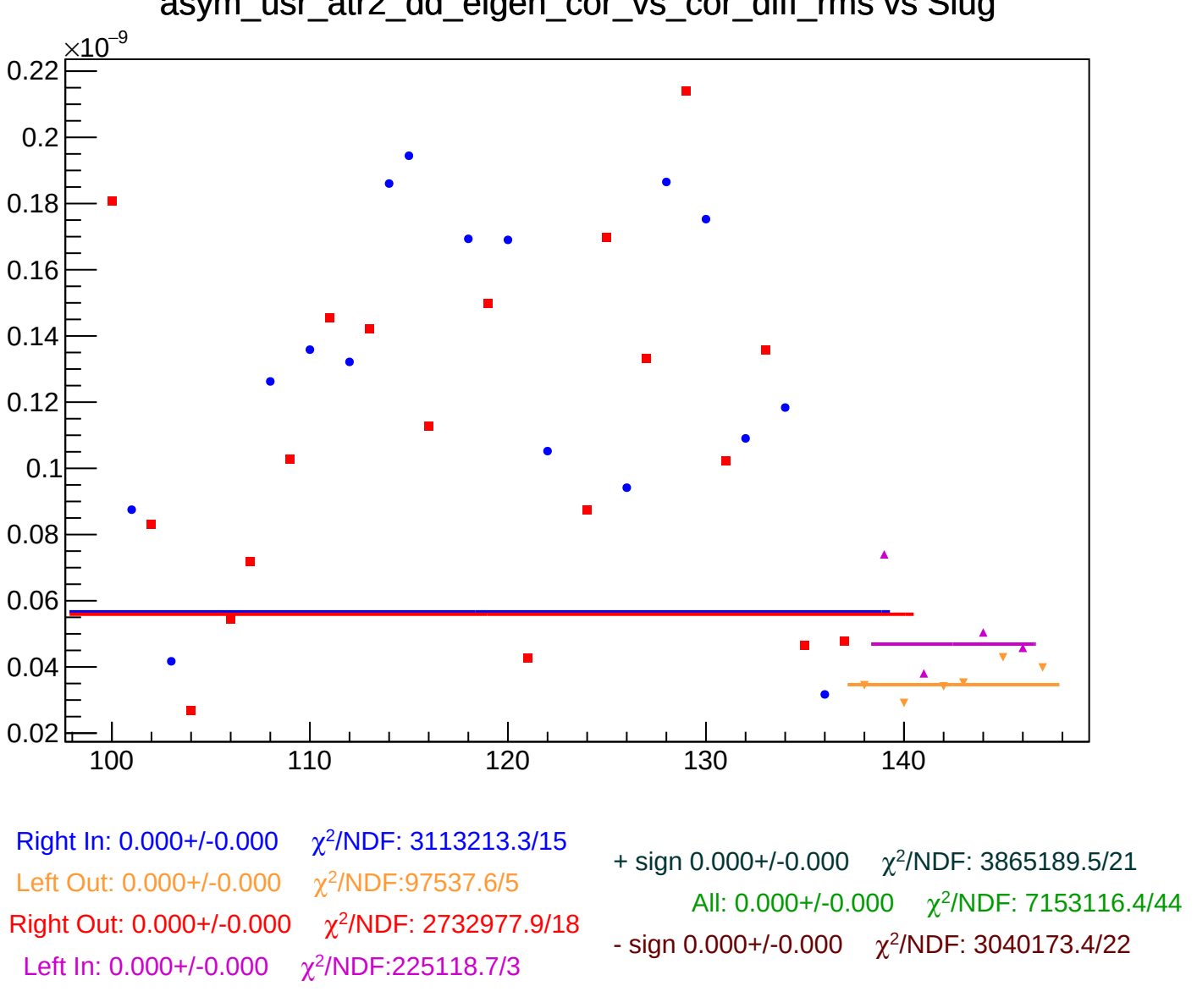
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

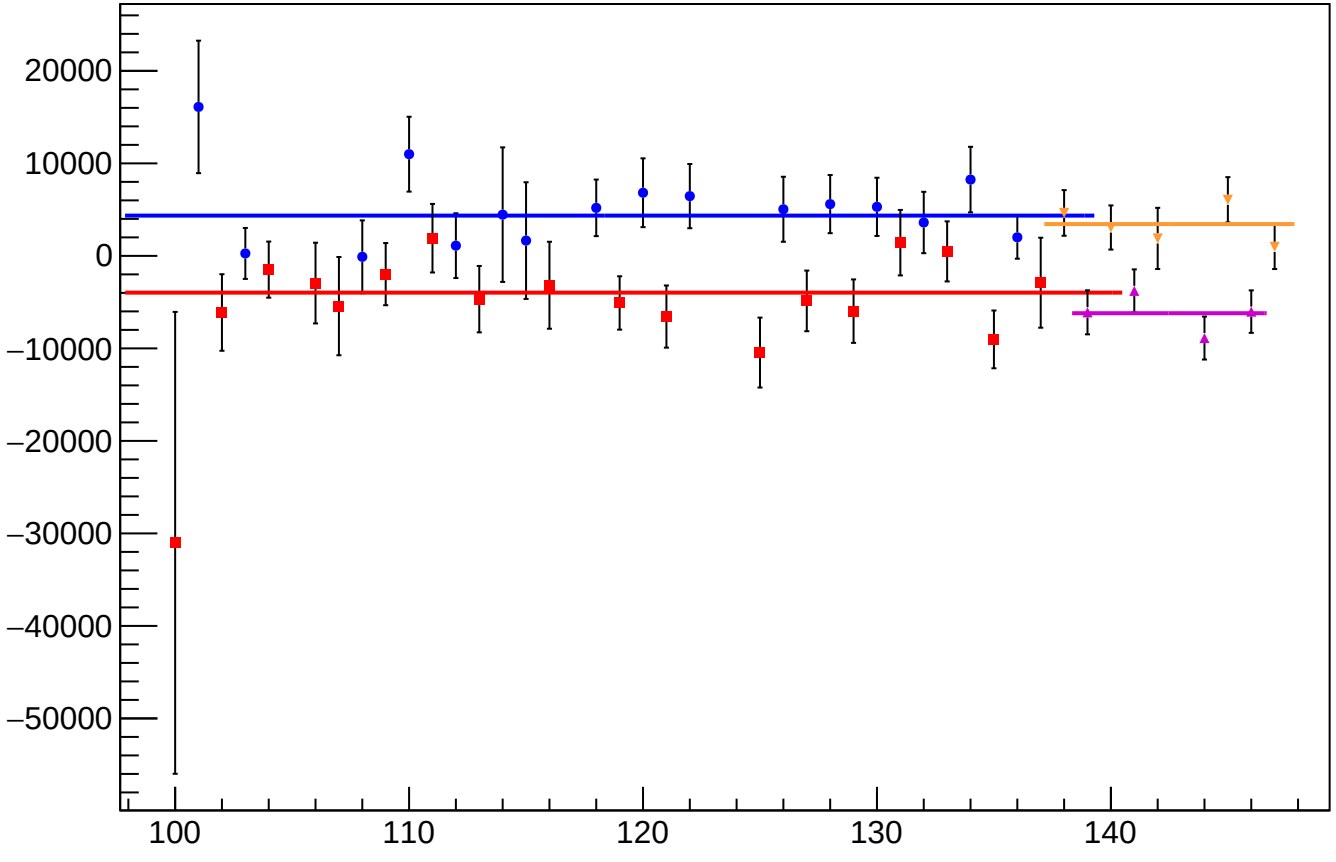
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/21

All: -0.000+/-0.000 χ^2/NDF: 55.2/44

- sign -0.000+/-0.000 χ^2/NDF: 33.1/22


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
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:97537.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:225118.7/3
+ sign 0.000+/-0.000 χ²/NDF: 3865189.5/21
All: 0.000+/-0.000 χ²/NDF: 7153116.4/44
- sign 0.000+/-0.000 χ²/NDF: 3040173.4/22

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3438.111+/-1137.923 χ^2/NDF:2.7/4

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

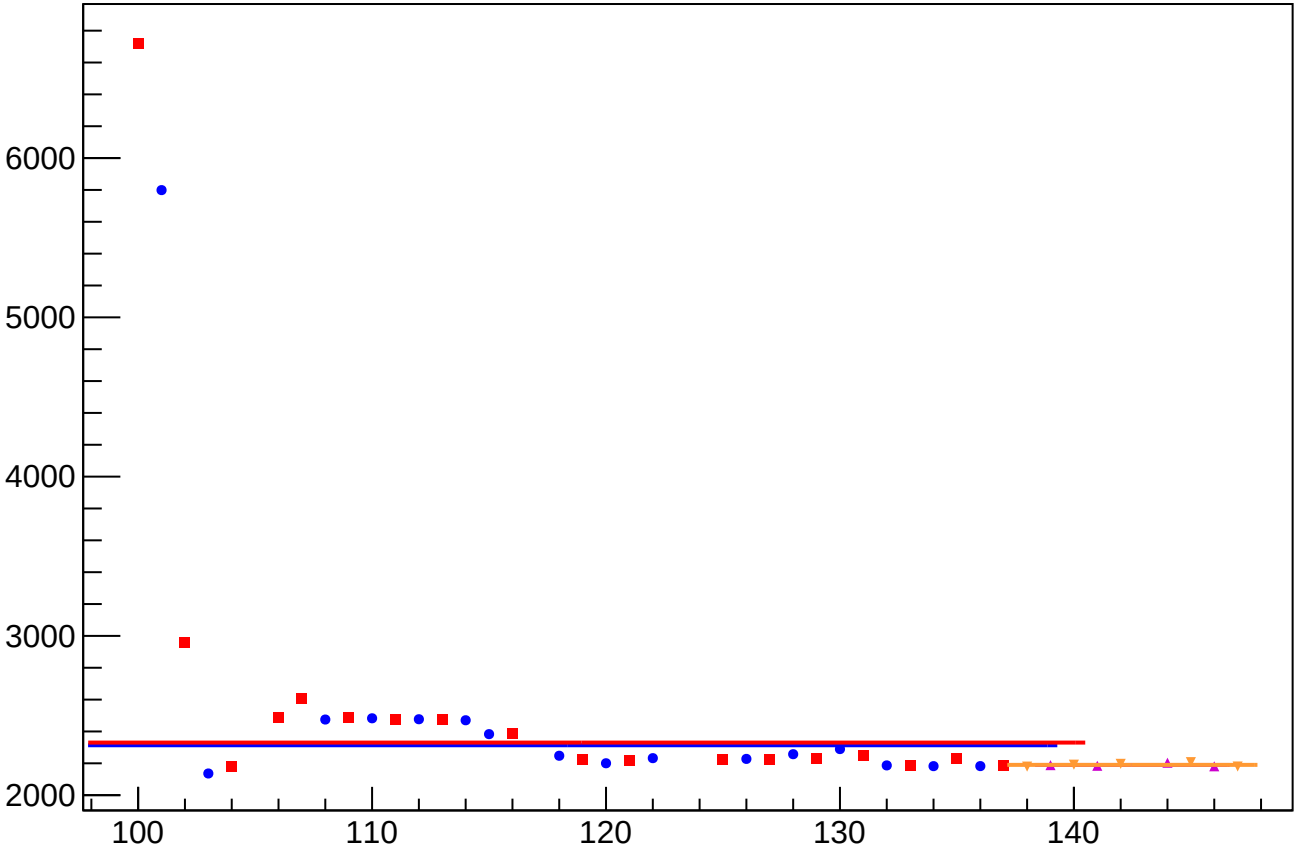
Left In: -6197.912+/-1164.756 χ^2/NDF:2.4/3

+ sign 4013.824+/-693.719 χ^2/NDF: 16.5/20

All: -353.228+/-491.933 χ^2/NDF: 117.1/42

- sign -4770.465+/-697.694 χ^2/NDF: 20.9/21

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

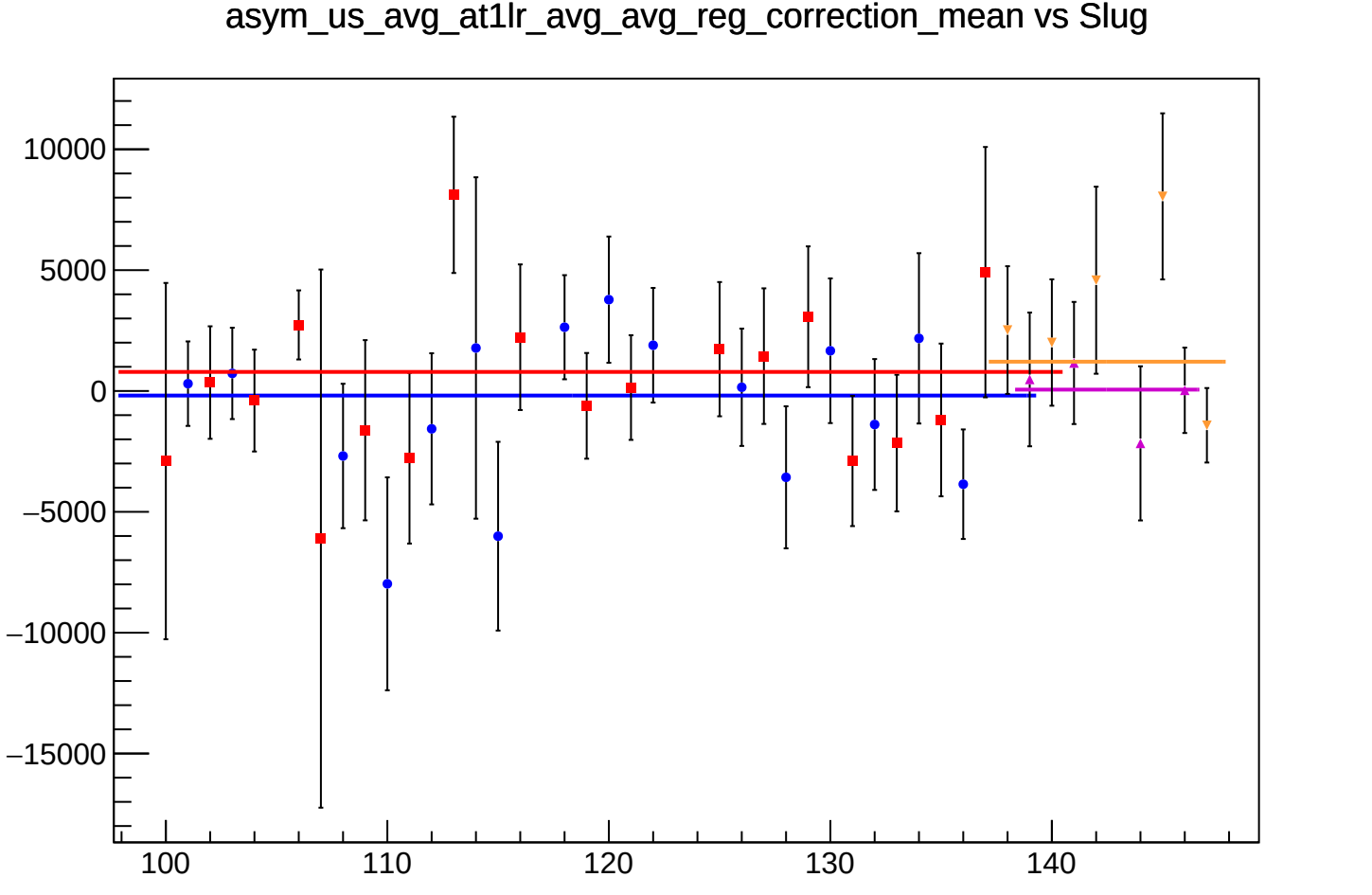
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.0/20

All: 2273.643+/-0.348 χ^2/NDF: 697610.2/42

- sign 2279.729+/-0.493 χ^2/NDF: 170023.5/21



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 1212.336+/-1076.951 χ^2/NDF:8.0/4

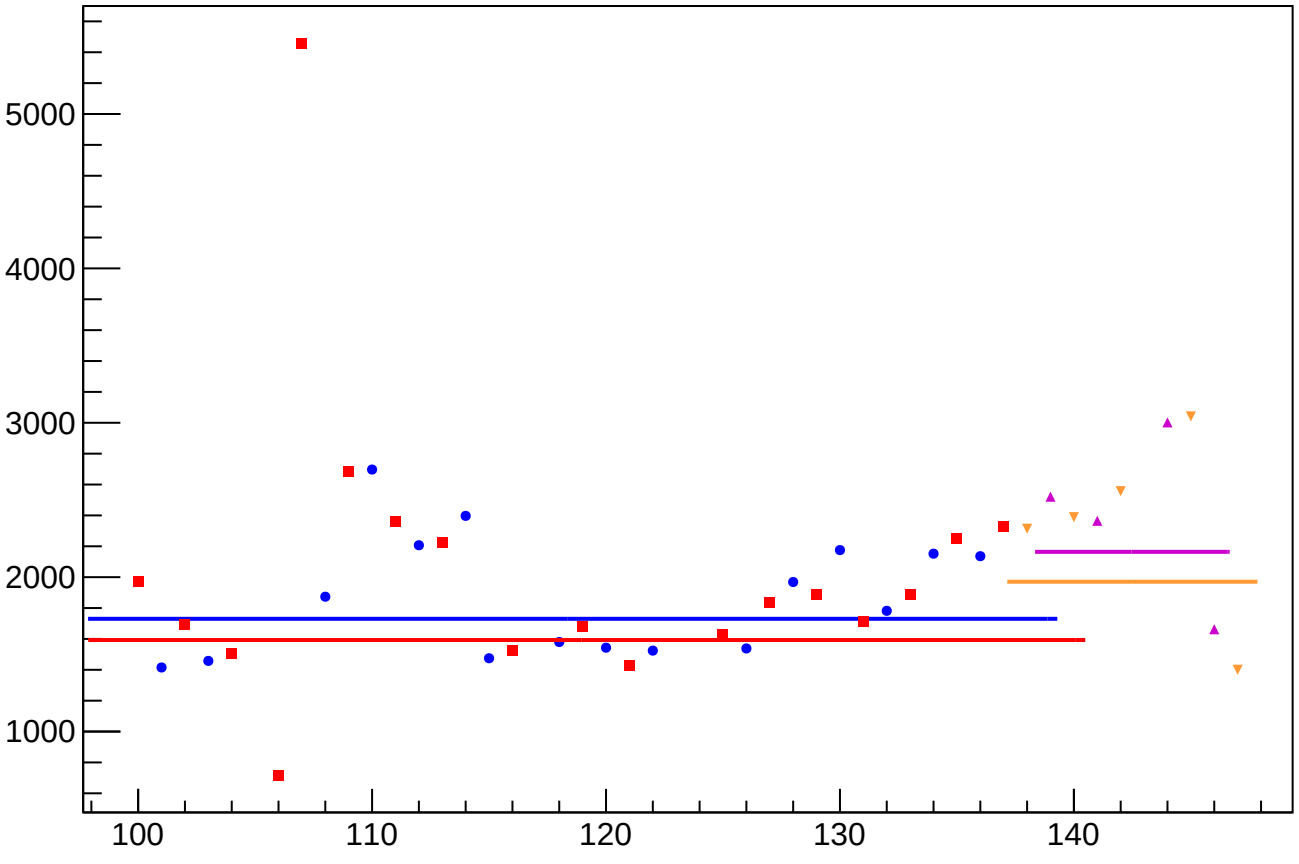
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 56.584+/-1190.255 χ^2/NDF:0.7/3

+ sign 192.451+/-561.699 χ^2/NDF: 25.6/20

All: 410.317+/-396.645 χ^2/NDF: 41.8/42

- sign 627.012+/-560.187 χ^2/NDF: 15.9/21



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1970.553+/-0.762 χ^2/NDF:598967.5/4

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

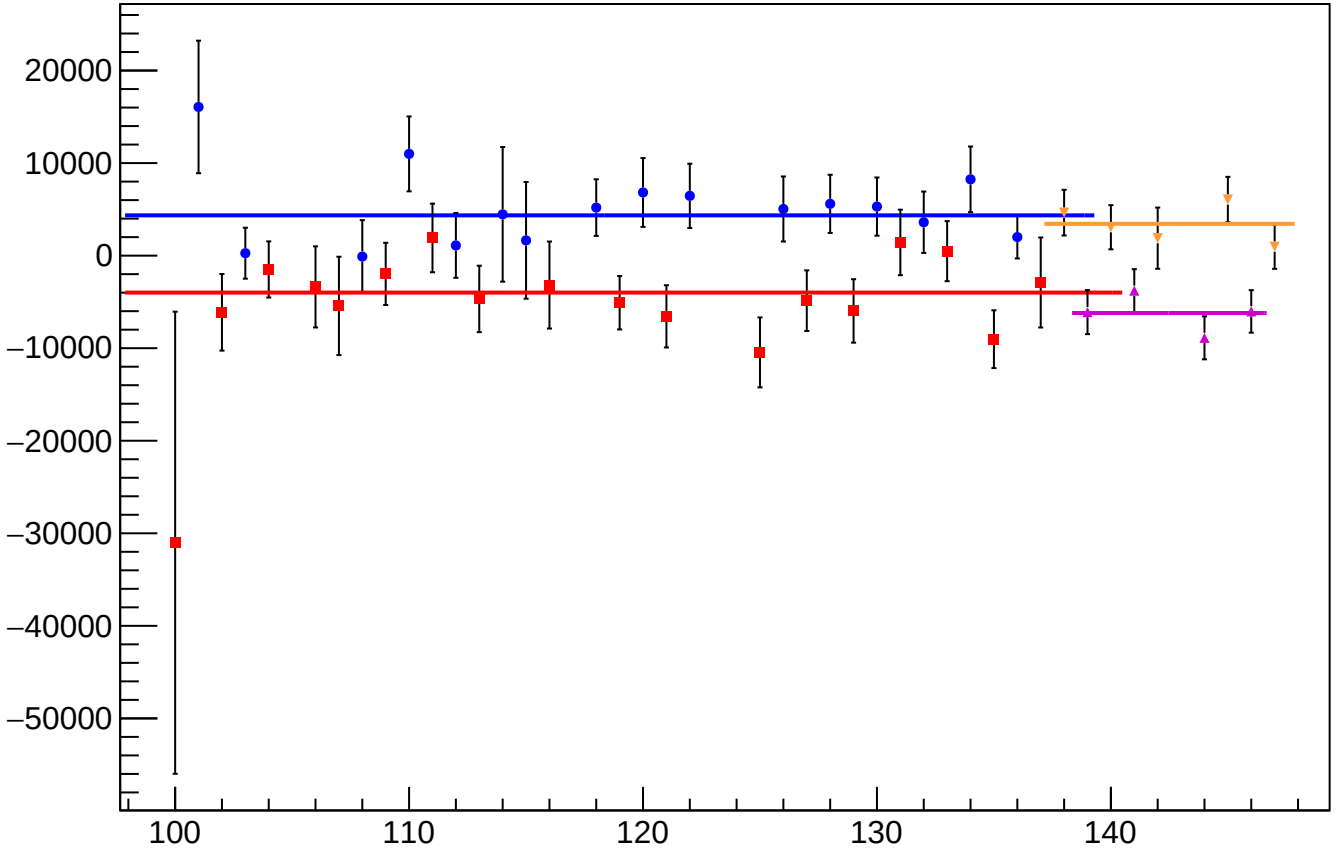
Left In: 2164.123+/-0.842 χ^2/NDF:345282.0/3

+ sign 1795.647+/-0.397 χ^2/NDF: 1150365.5/20

All: 1757.406+/-0.280 χ^2/NDF: 3429043.0/42

- sign 1719.370+/-0.396 χ^2/NDF: 2260187.2/21

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

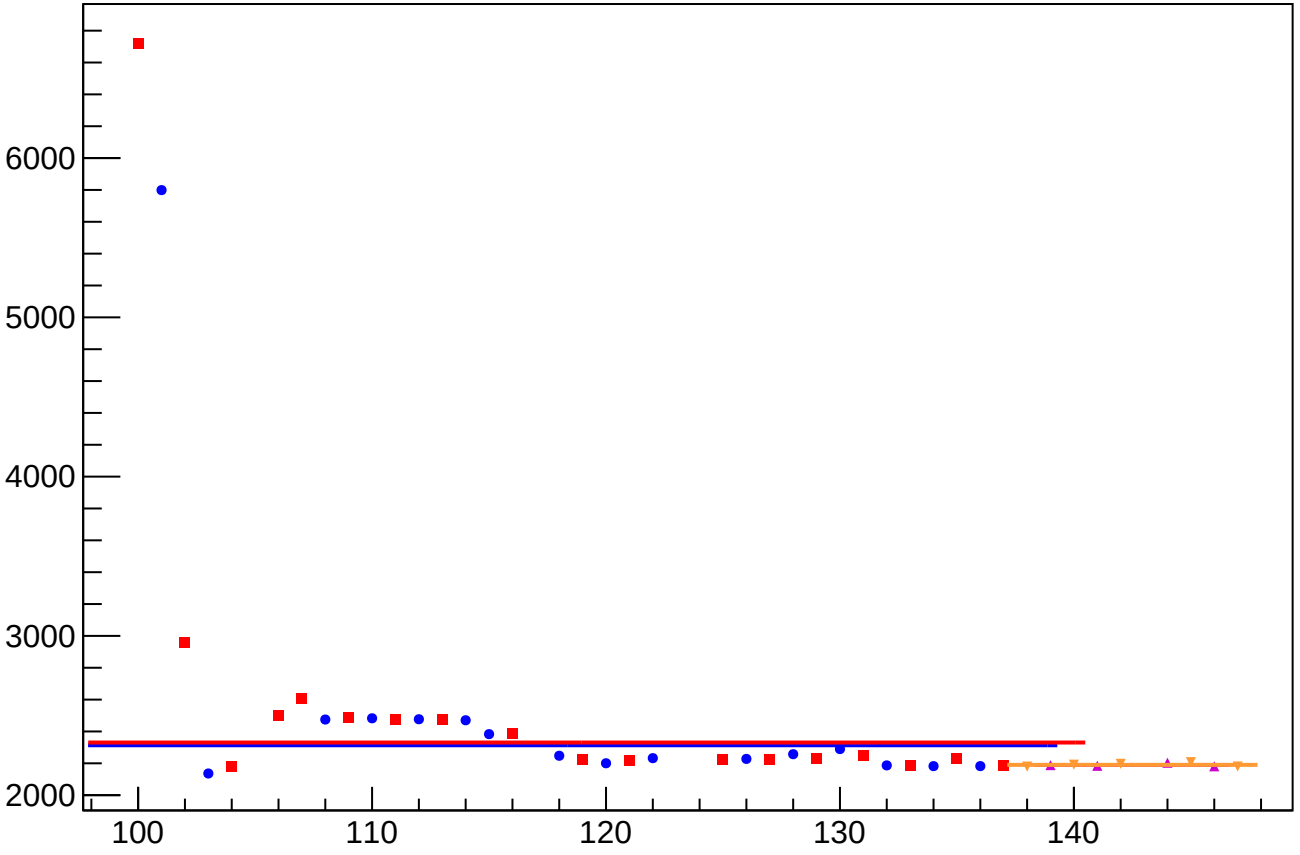
Left In: -6198.176+/-1164.756 χ^2/NDF:2.4/3

+ sign 4013.346+/-693.719 χ^2/NDF: 16.5/20

All: -358.919+/-491.960 χ^2/NDF: 117.2/42

- sign -4782.408+/-697.771 χ^2/NDF: 20.9/21

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

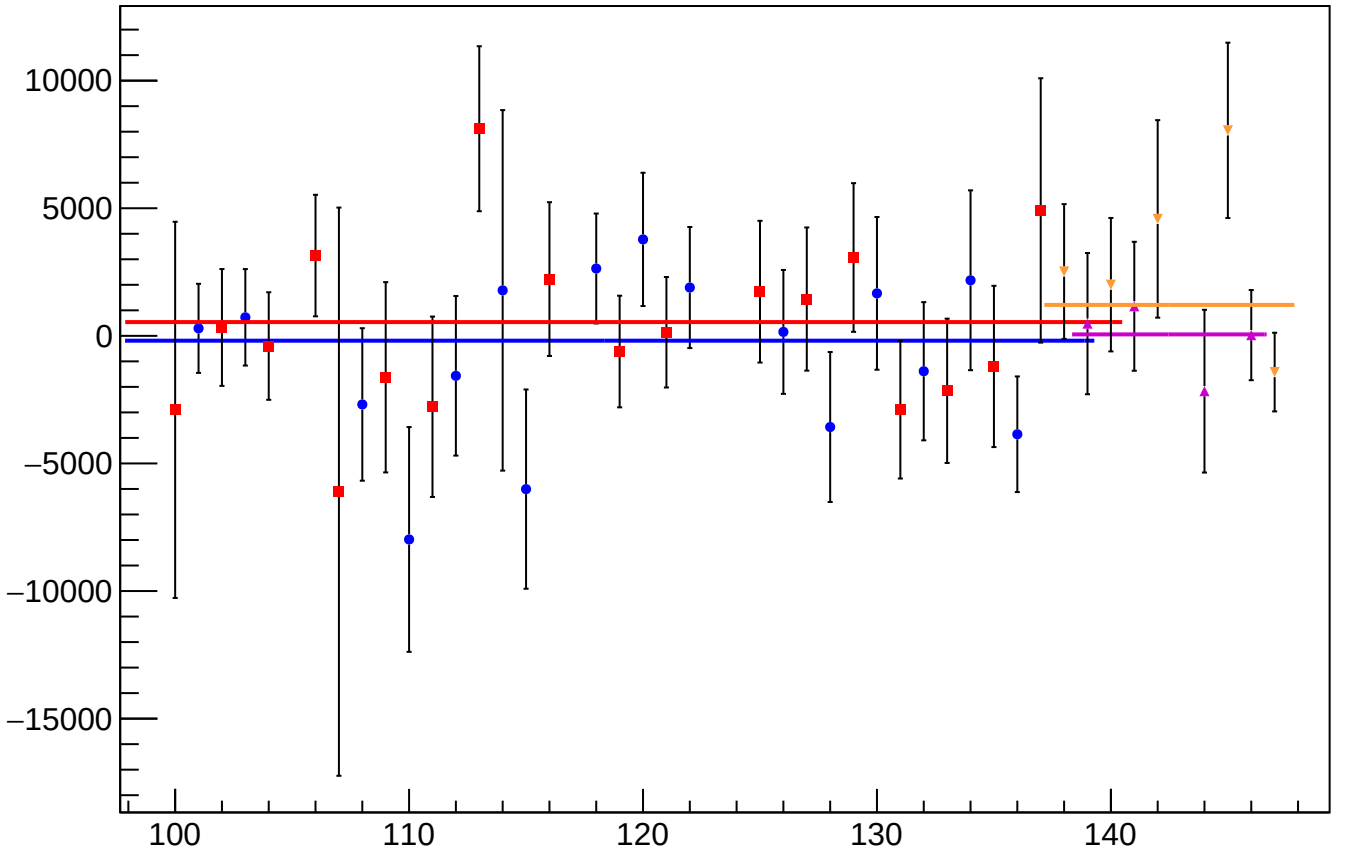
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.4/20

All: 2273.754+/-0.348 χ^2/NDF: 698064.1/42

- sign 2279.955+/-0.493 χ^2/NDF: 170465.6/21



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 1212.148+/-1076.958 χ^2/NDF:8.0/4

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

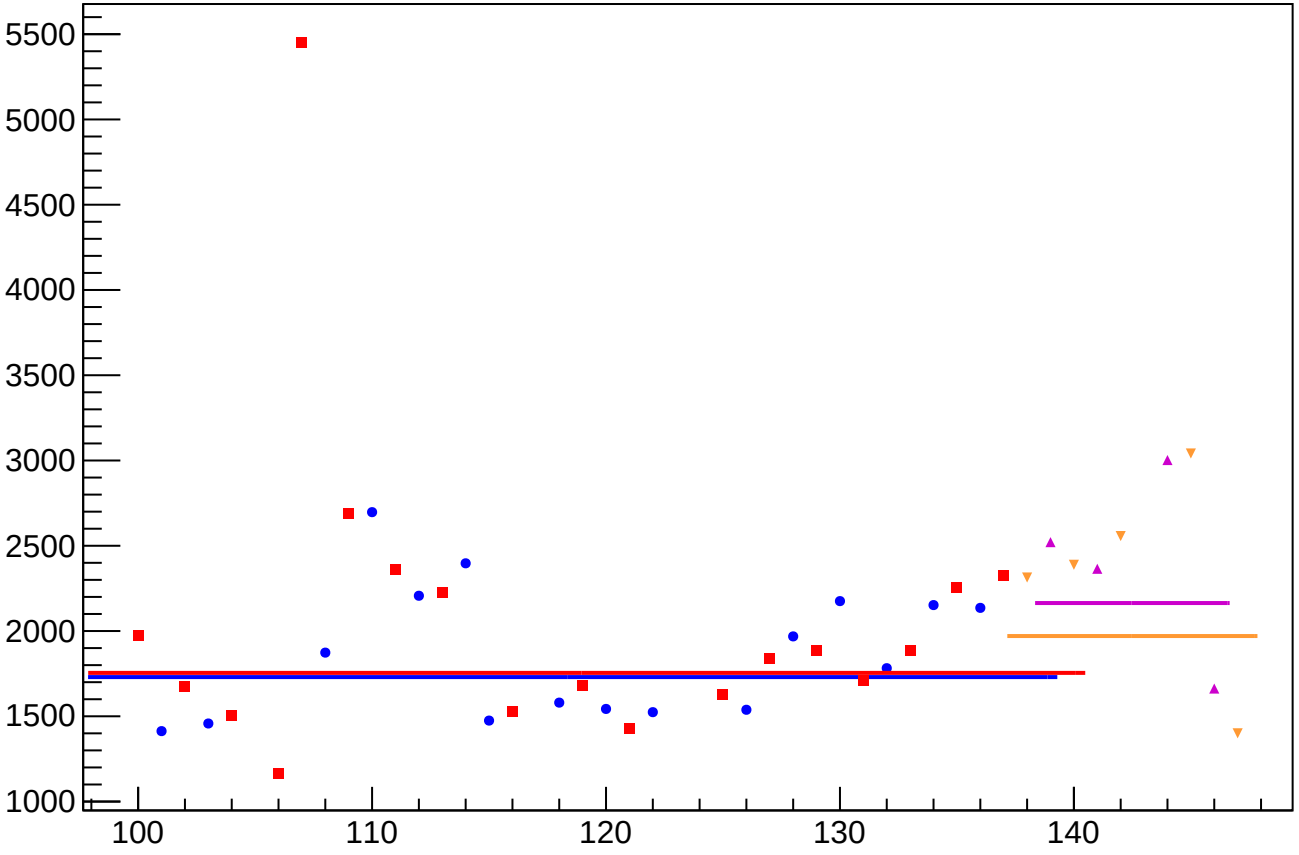
Left In: 56.596+/-1190.258 χ^2/NDF:0.7/3

+ sign 191.485+/-561.620 χ^2/NDF: 25.6/20

All: 300.805+/-406.548 χ^2/NDF: 40.4/42

- sign 421.153+/-589.267 χ^2/NDF: 14.7/21

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1970.569+/-0.762 χ^2/NDF:598927.7/4

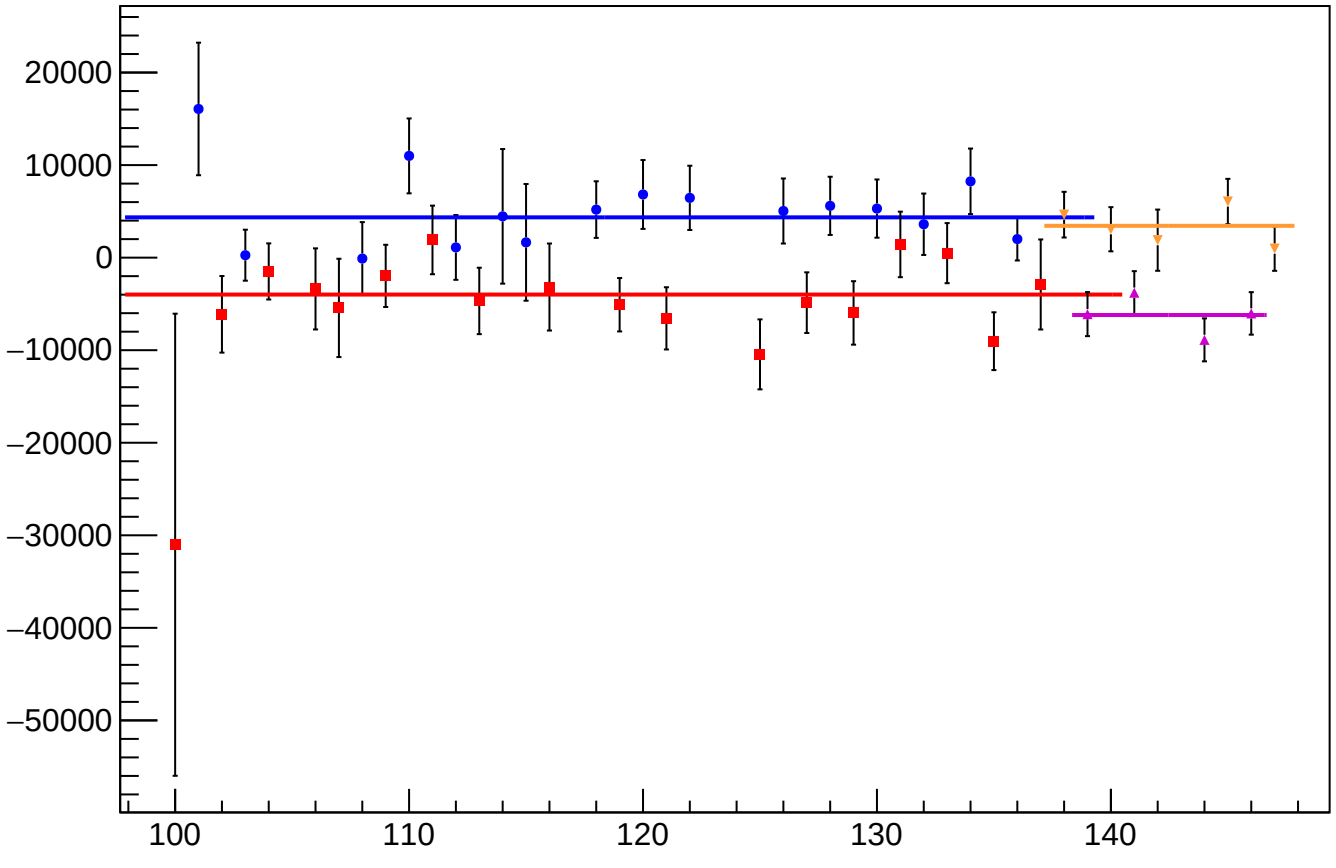
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

+ sign 1795.348+/-0.397 χ^2/NDF: 1151544.0/20

All: 1823.704+/-0.287 χ^2/NDF: 2437342.1/42

- sign 1854.919+/-0.417 χ^2/NDF: 1275087.5/21



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

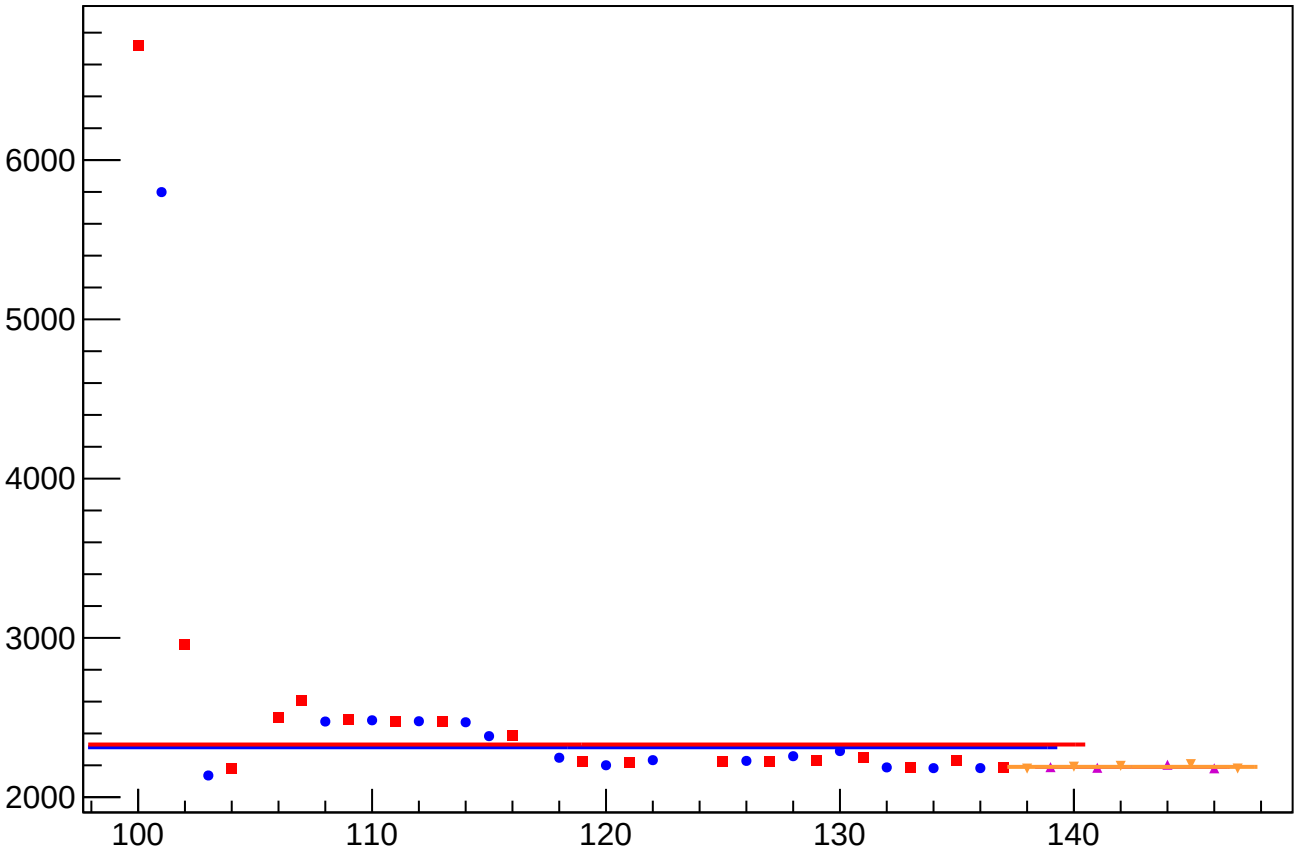
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -6198.176+/-1164.756 χ^2/NDF:2.4/3

+ sign 4013.346+/-693.719 χ^2/NDF: 16.5/20

All: -358.919+/-491.960 χ^2/NDF: 117.2/42

- sign -4782.408+/-697.771 χ^2/NDF: 20.9/21



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

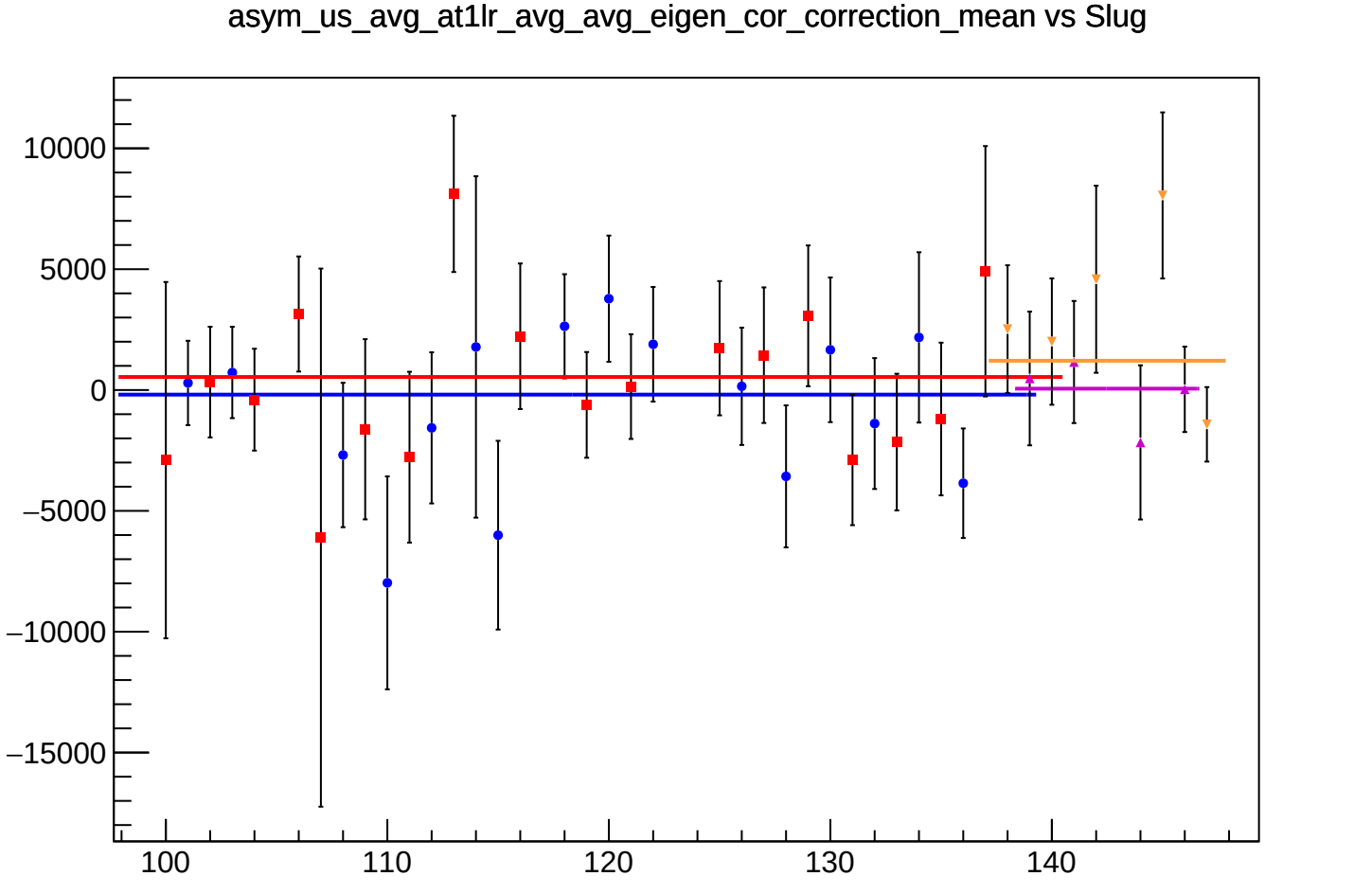
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.4/20

All: 2273.754+/-0.348 χ^2/NDF: 698064.1/42

- sign 2279.955+/-0.493 χ^2/NDF: 170465.6/21



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 1212.148+/-1076.958 χ^2/NDF:8.0/4

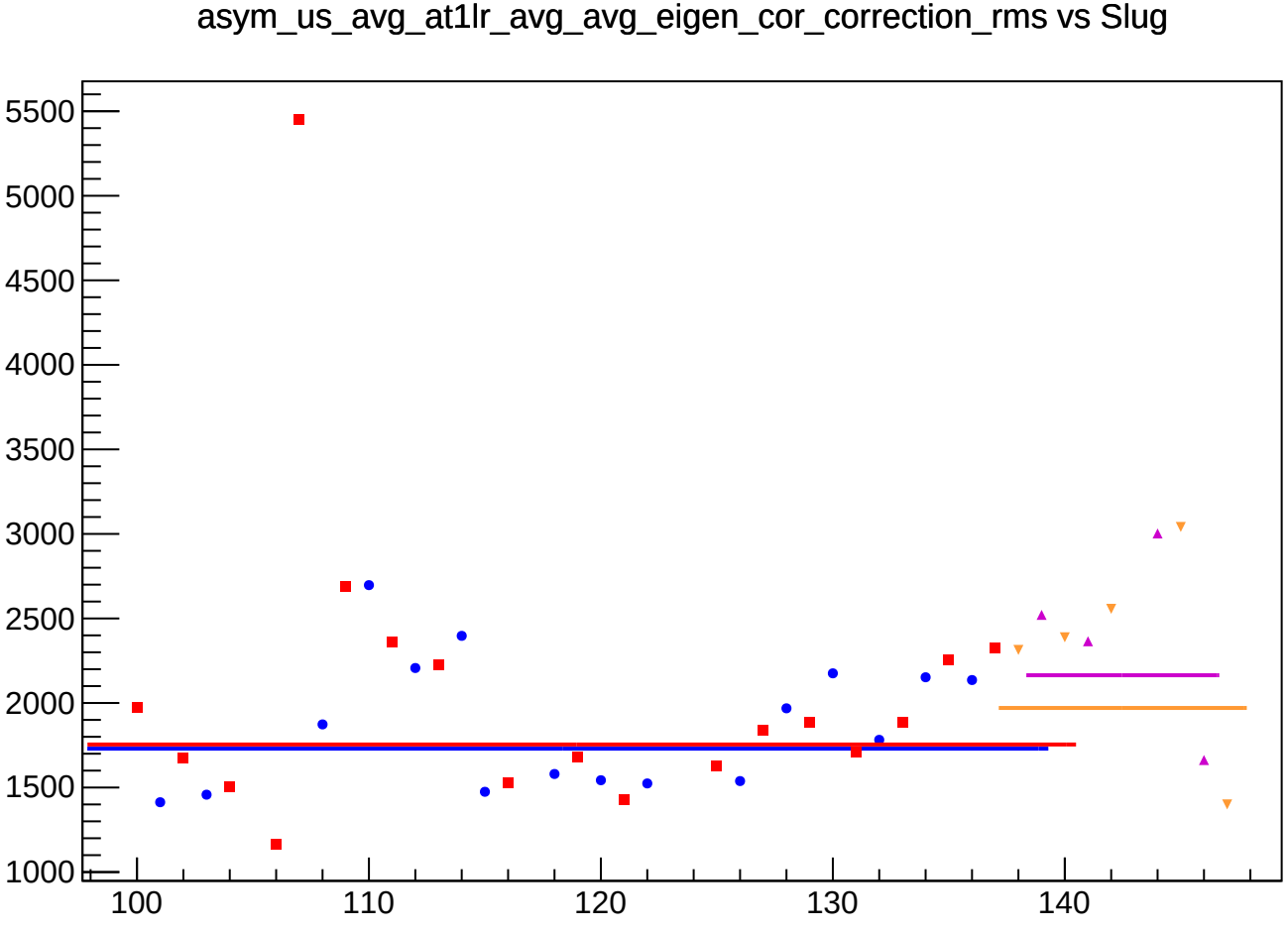
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 56.596+/-1190.258 χ^2/NDF:0.7/3

+ sign 191.485+/-561.620 χ^2/NDF: 25.6/20

All: 300.805+/-406.548 χ^2/NDF: 40.4/42

- sign 421.153+/-589.267 χ^2/NDF: 14.7/21



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1970.569+/-0.762 χ^2/NDF:598927.7/4

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

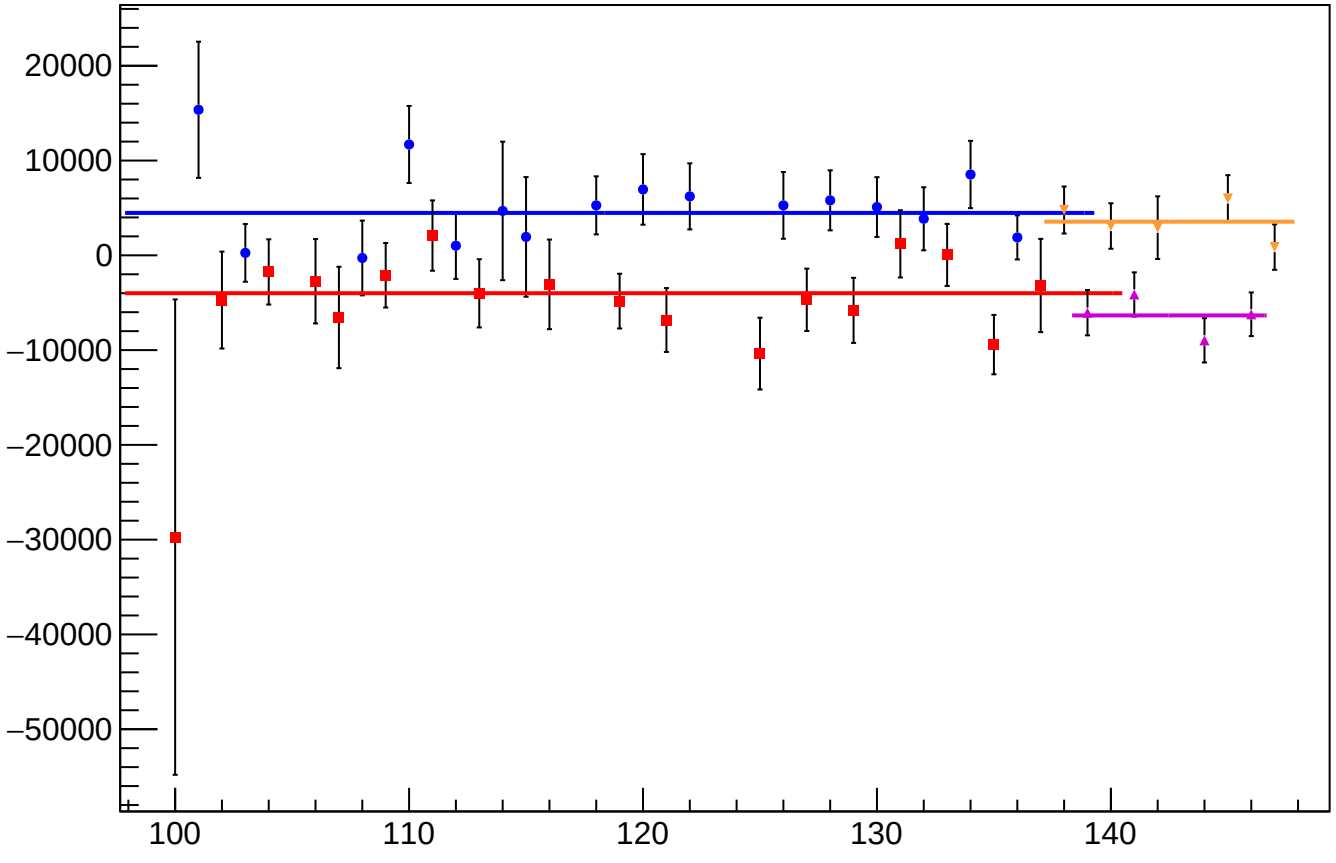
Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

\+ sign 1795.348+/-0.397 χ^2/NDF: 1151544.0/20

All: 1823.704+/-0.287 χ^2/NDF: 2437342.1/42

\- sign 1854.919+/-0.417 χ^2/NDF: 1275087.5/21

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3551.606+/-1141.969 χ^2/NDF:2.6/4

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

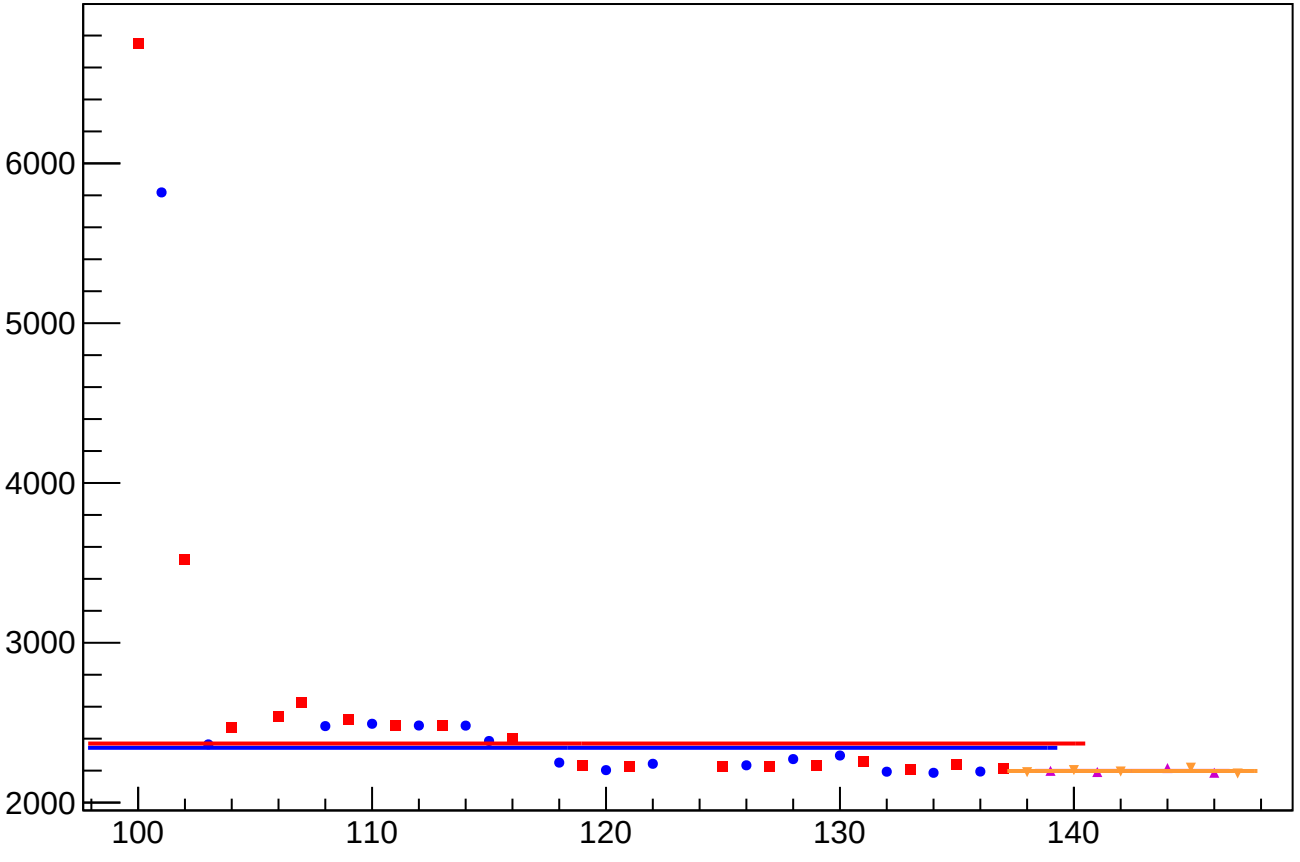
Left In: -6340.903+/-1169.484 χ^2/NDF:2.2/3

+ sign 4128.876+/-700.061 χ^2/NDF: 16.5/20

All: -310.198+/-497.960 χ^2/NDF: 118.1/42

- sign -4856.406+/-708.459 χ^2/NDF: 20.2/21

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2197.756+/-0.807 χ^2/NDF:257.9/4

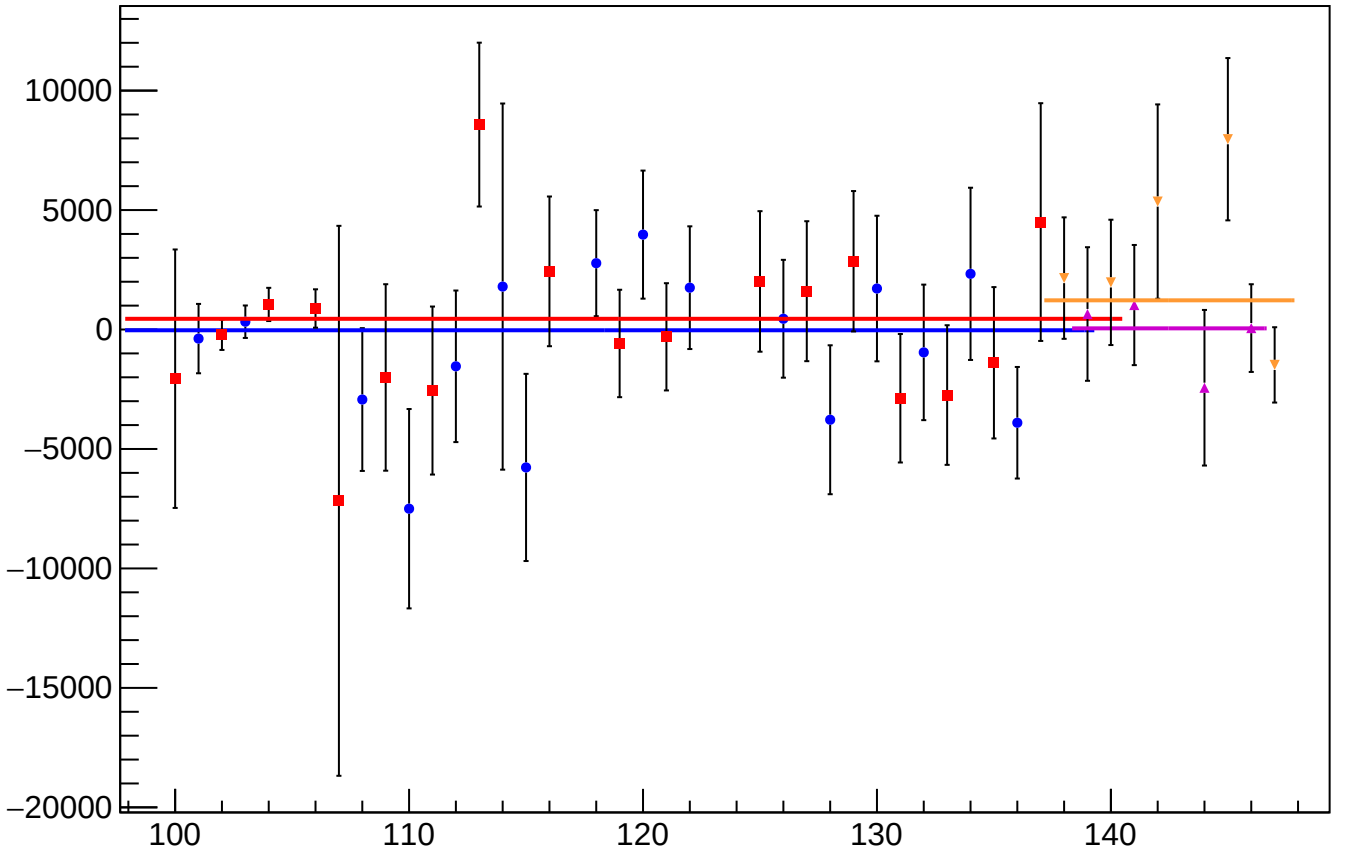
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

+ sign 2288.363+/-0.495 χ^2/NDF: 523295.0/20

All: 2297.418+/-0.352 χ^2/NDF: 761483.2/42

- sign 2306.691+/-0.501 χ^2/NDF: 237511.0/21



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 1221.744+/-1084.900 χ^2/NDF:8.1/4

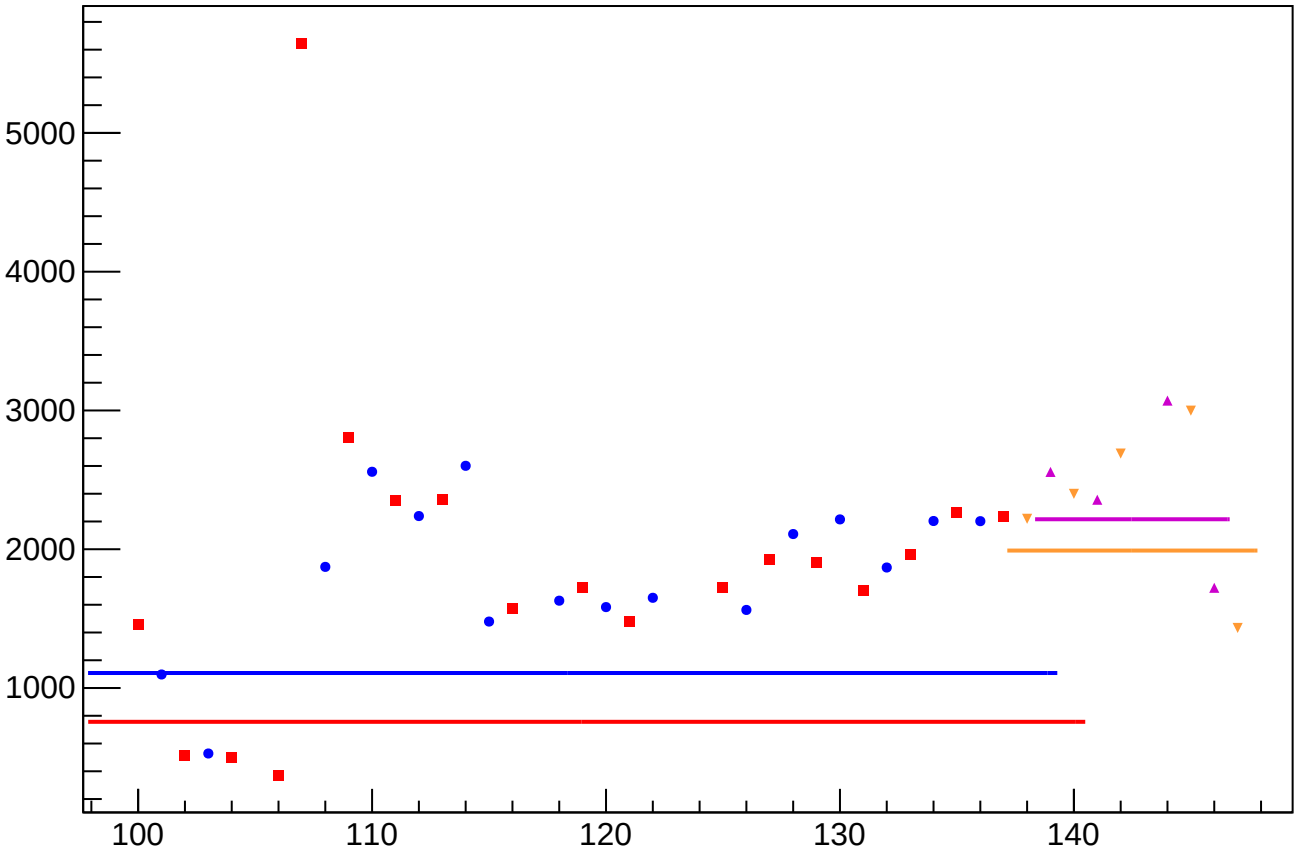
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 48.558+/-1215.162 χ^2/NDF:0.8/3

+ sign 177.568+/-443.020 χ^2/NDF: 25.6/20

All: 324.945+/-273.390 χ^2/NDF: 41.7/42

- sign 415.586+/-347.435 χ^2/NDF: 16.0/21



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1990.550+/-0.767 χ^2/NDF:550194.2/4

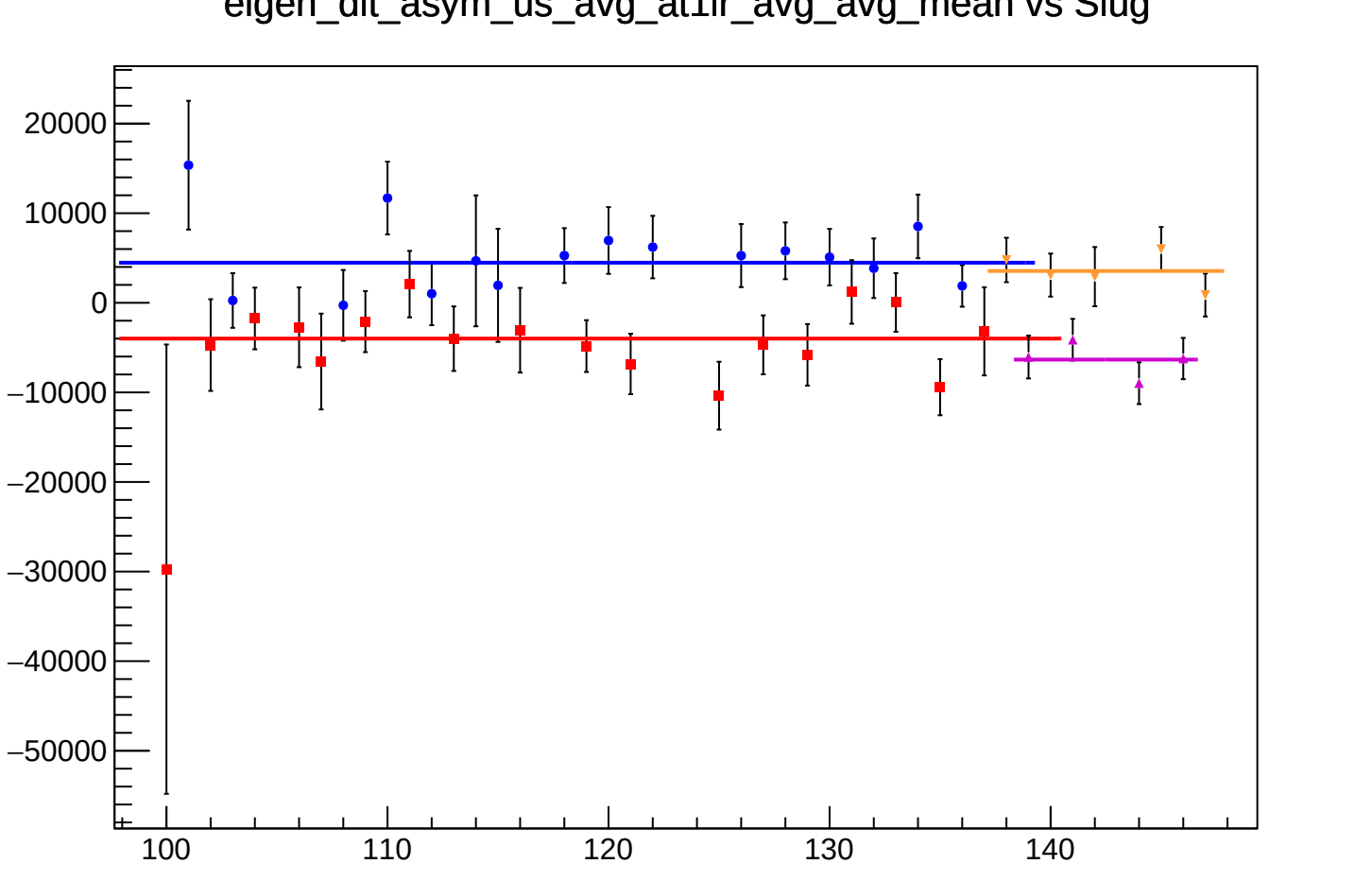
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2216.058+/-0.859 χ^2/NDF:318684.0/3

+ sign 1255.282+/-0.313 χ^2/NDF: 5399142.0/20

All: 1020.277+/-0.193 χ^2/NDF: 14879751.1/4

- sign 875.742+/-0.246 χ^2/NDF: 8571707.3/21



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3551.612+/-1141.969 χ^2/NDF:2.6/4

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

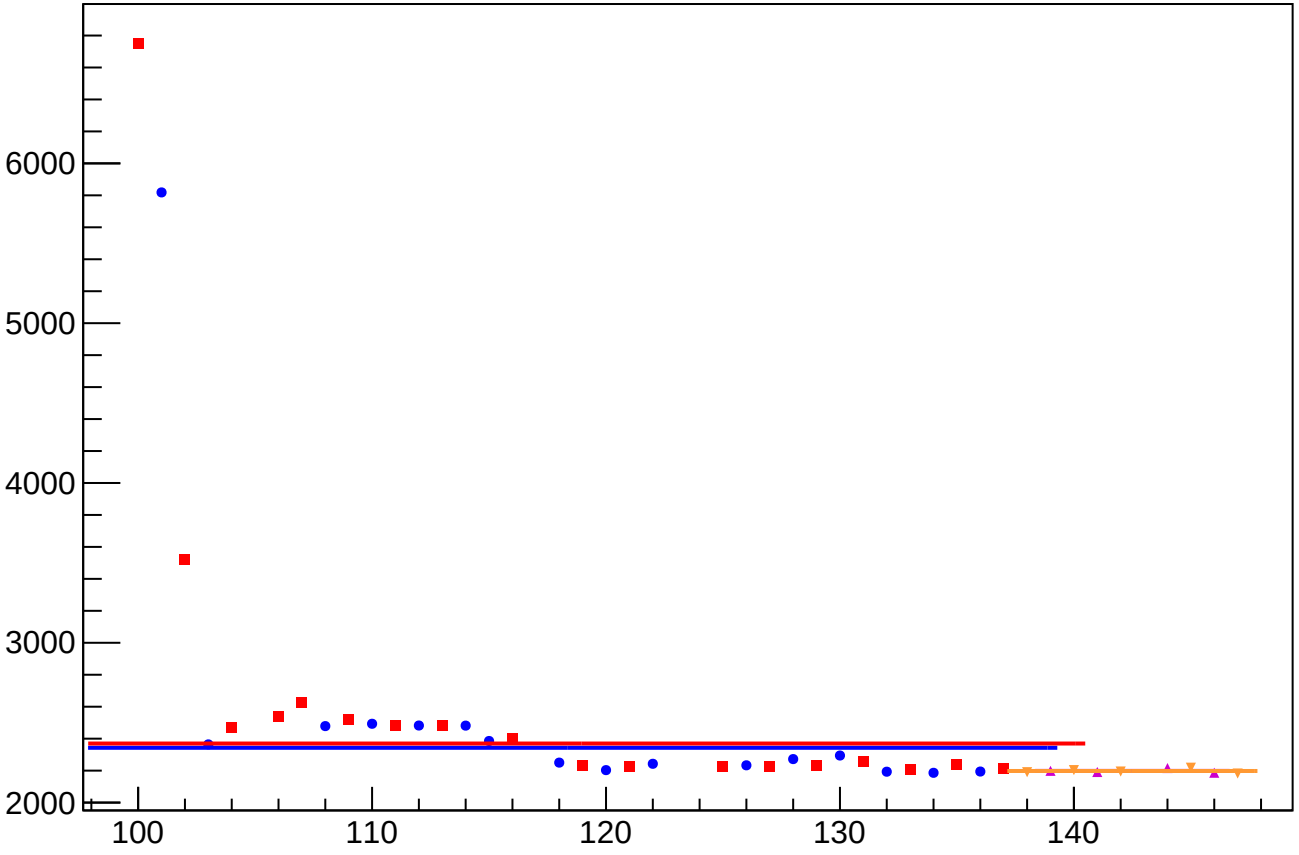
Left In: -6340.902+/-1169.484 χ^2/NDF:2.2/3

+ sign 4128.876+/-700.061 χ^2/NDF: 16.5/20

All: -310.197+/-497.960 χ^2/NDF: 118.1/42

- sign -4856.403+/-708.459 χ^2/NDF: 20.2/21

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: 2197.756+/-0.807 χ^2/NDF:257.9/4

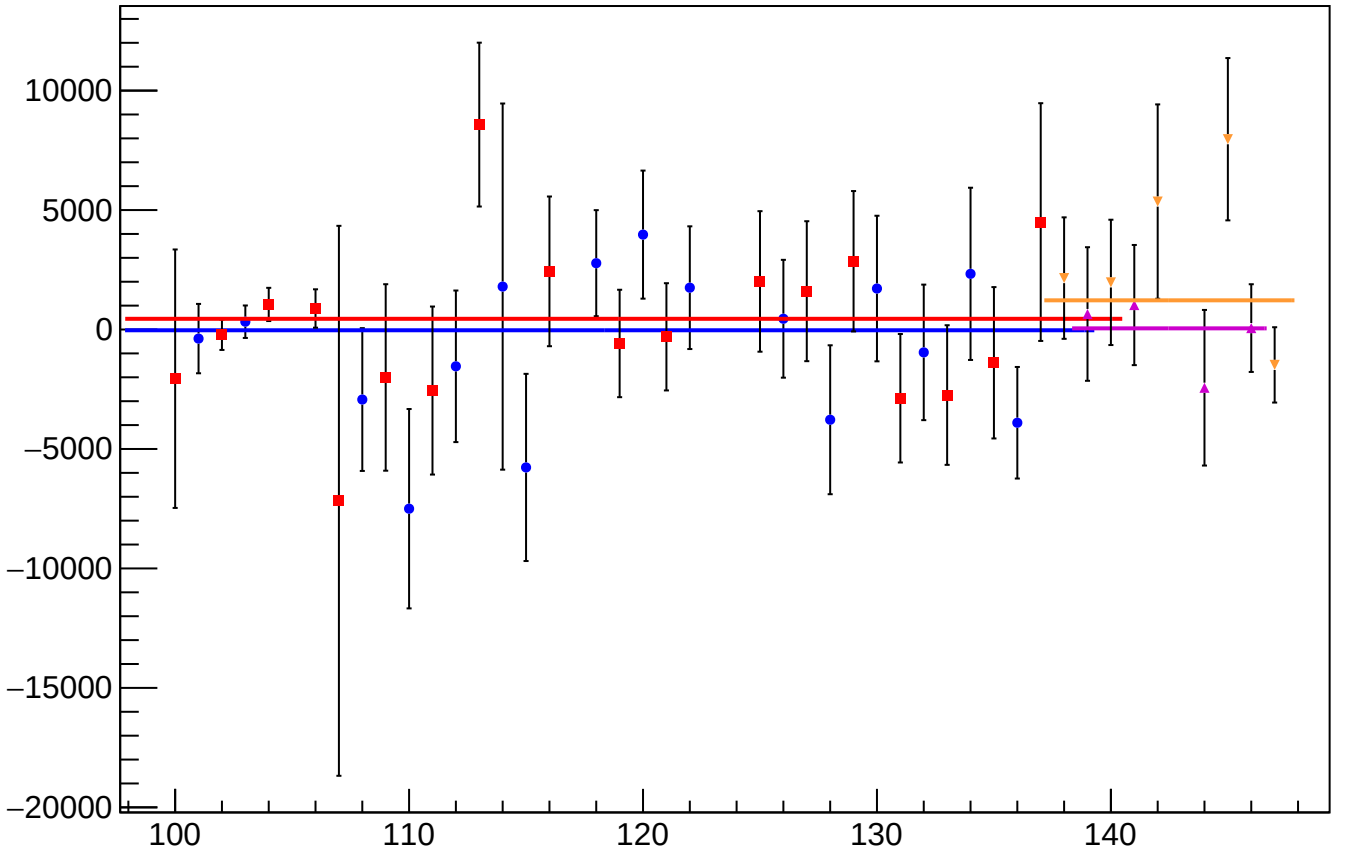
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

+ sign 2288.362+/-0.495 χ^2/NDF: 523294.9/20

All: 2297.417+/-0.352 χ^2/NDF: 761481.9/42

- sign 2306.691+/-0.501 χ^2/NDF: 237509.7/21



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 1221.742+/-1084.902 χ^2/NDF:8.1/4

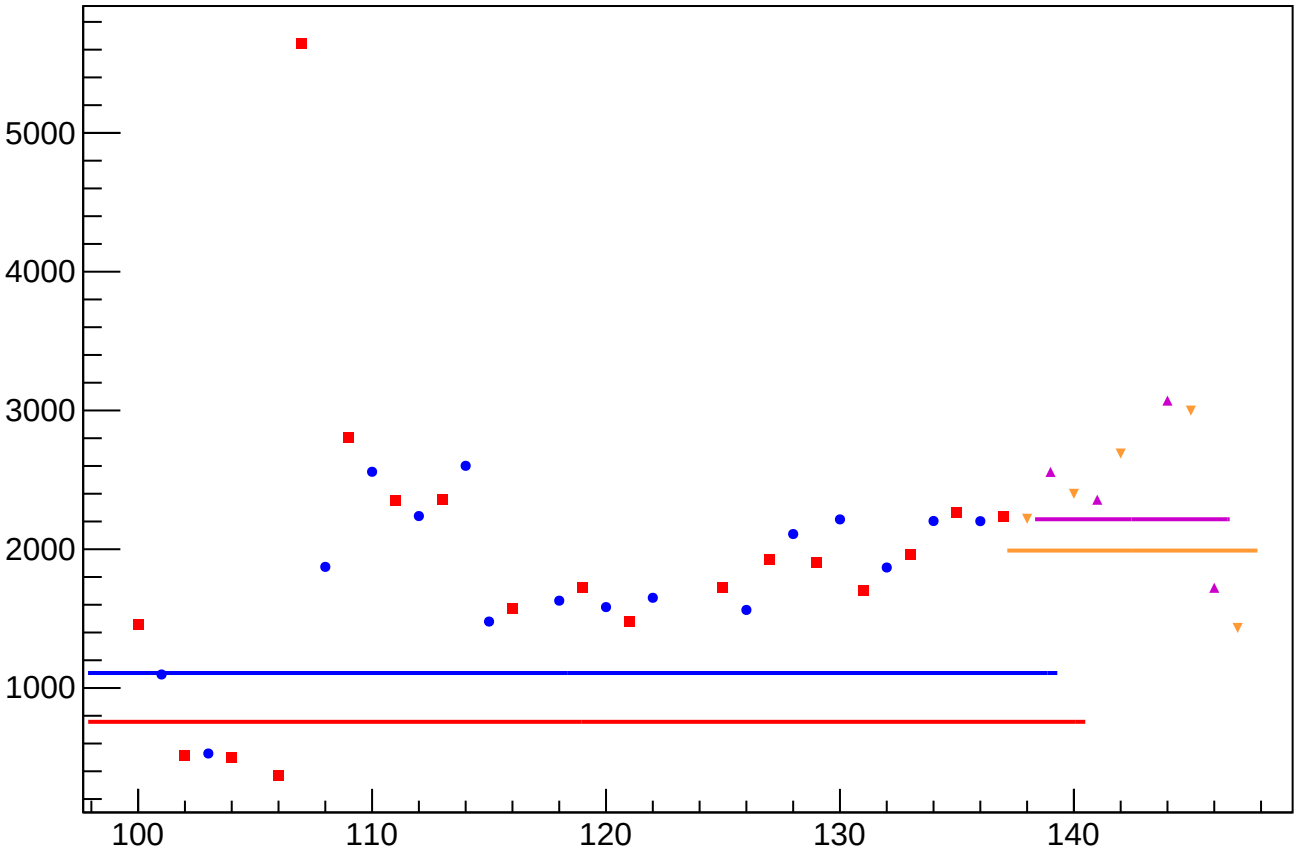
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 48.560+/-1215.164 χ^2/NDF:0.8/3

+ sign 177.564+/-443.022 χ^2/NDF: 25.6/20

All: 324.944+/-273.392 χ^2/NDF: 41.7/42

- sign 415.589+/-347.439 χ^2/NDF: 16.0/21



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1990.553+/-0.767 χ^2/NDF:550194.4/4

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

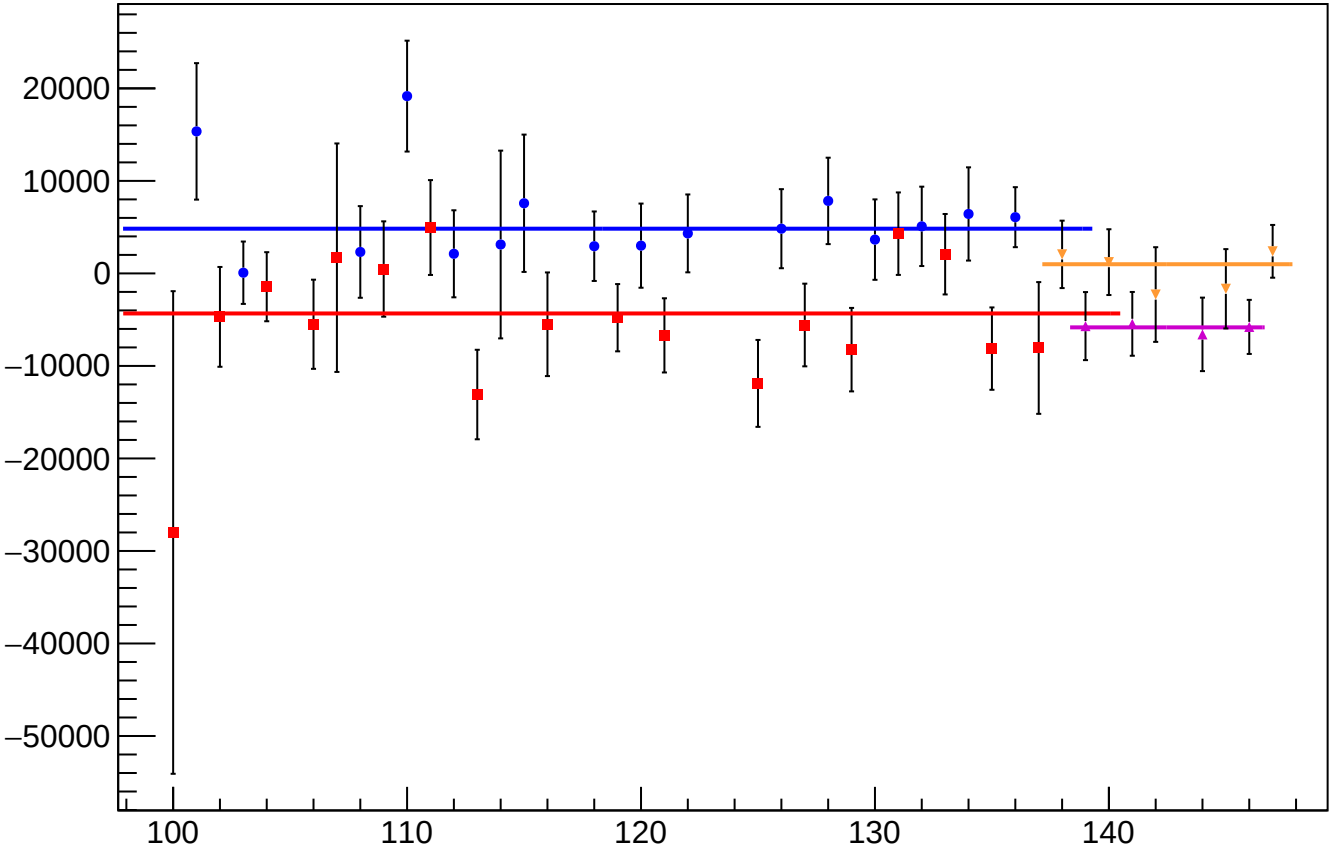
Left In: 2216.062+/-0.859 χ^2/NDF:318684.3/3

+ sign 1255.291+/-0.313 χ^2/NDF: 5399045.9/20

All: 1020.293+/-0.193 χ^2/NDF: 14879434.5/4

- sign 875.758+/-0.246 χ^2/NDF: 8571534.2/21

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 992.894+/-1644.012 χ^2/NDF:1.1/4

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

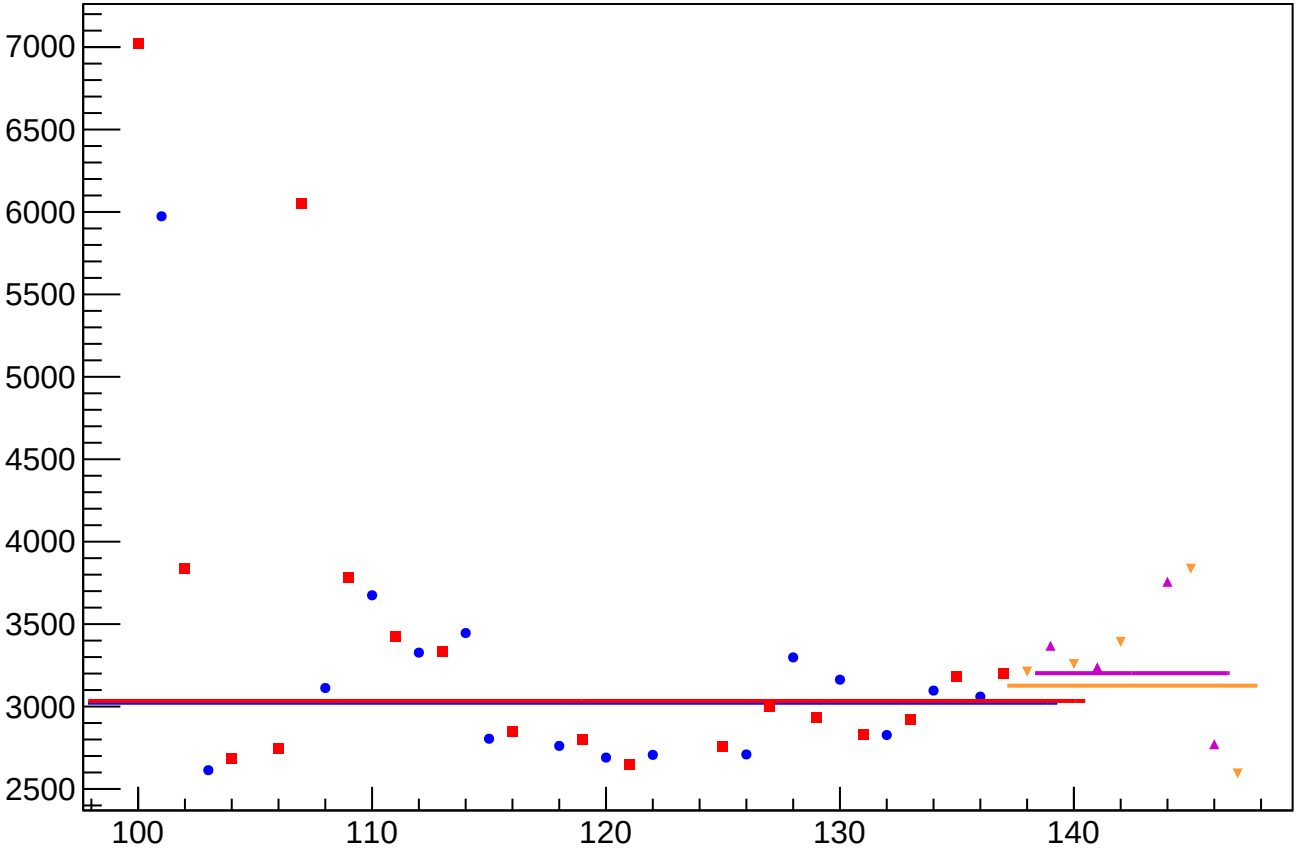
Left In: -5832.040+/-1718.672 χ^2/NDF:0.1/3

+ sign 3582.891+/-938.214 χ^2/NDF: 16.5/20

All: -539.956+/-668.457 χ^2/NDF: 76.2/42

- sign -4790.504+/-952.633 χ^2/NDF: 20.5/21

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3126.663+/-1.162 χ^2/NDF:133653.9/4

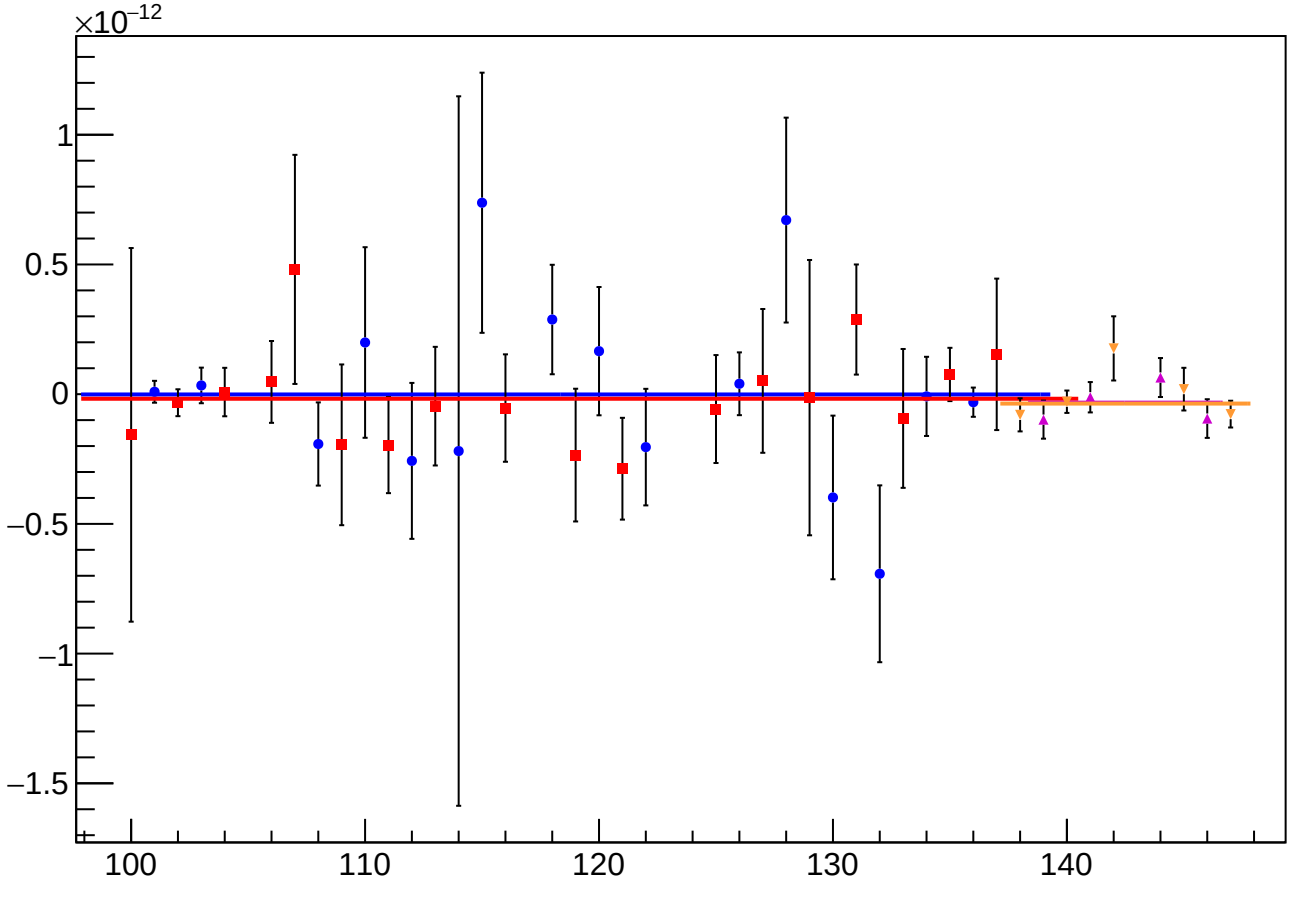
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3202.531+/-1.215 χ^2/NDF:86776.8/3

+ sign 3056.807+/-0.663 χ^2/NDF: 582714.6/20

All: 3071.027+/-0.473 χ^2/NDF: 1026442.6/42

- sign 3085.687+/-0.674 χ^2/NDF: 442794.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

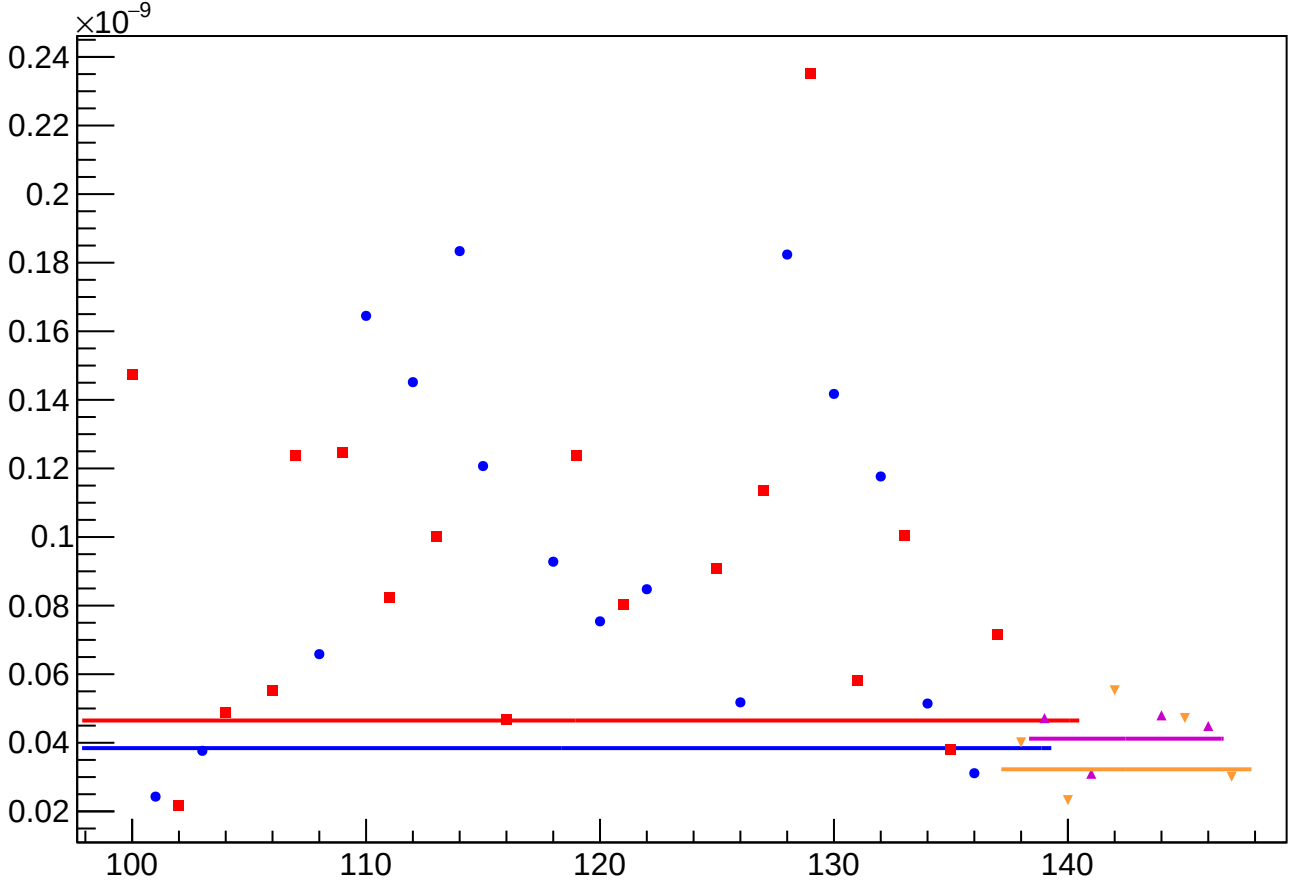
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 34.8/42

- sign -0.000+/-0.000 χ^2/NDF: 12.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:256168.4/4

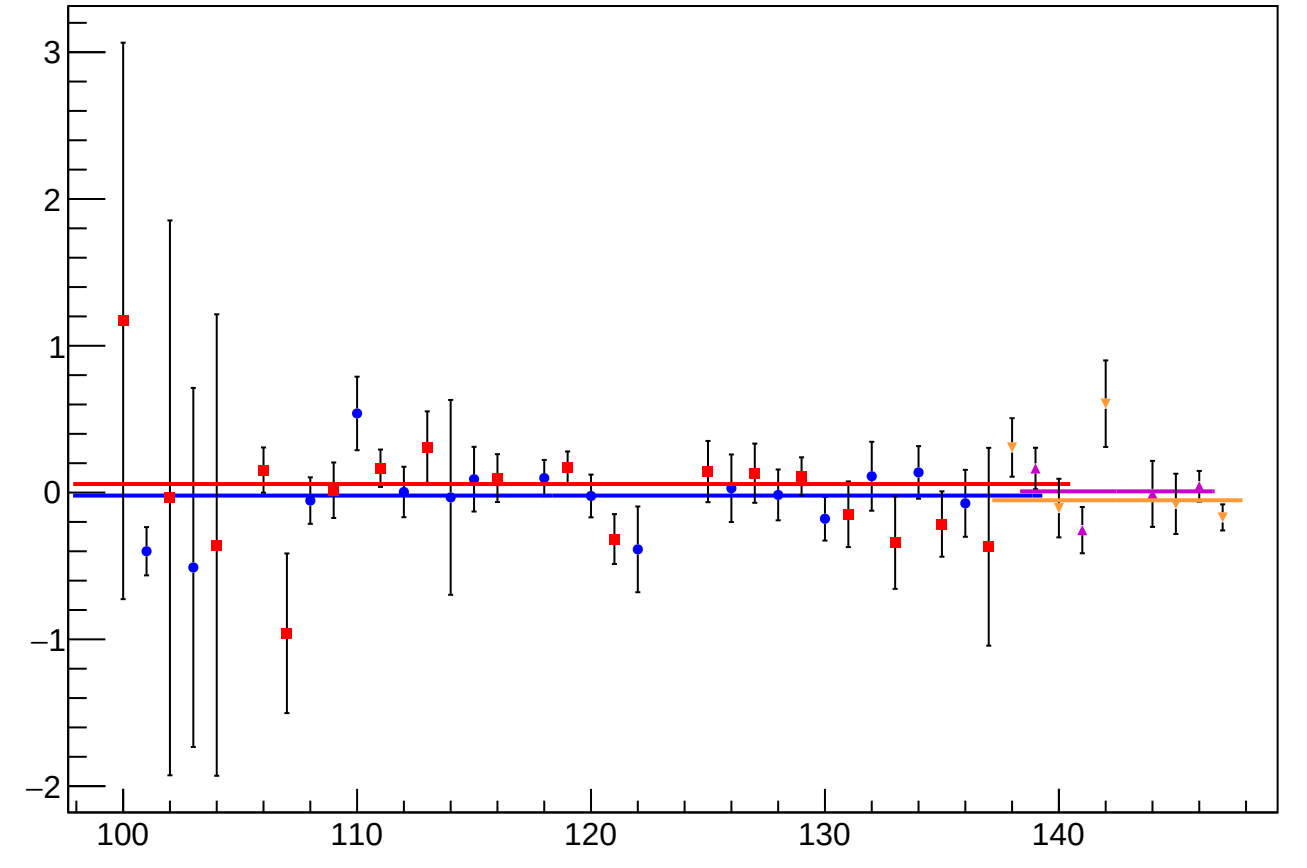
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:95843.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 2079458.6/20

All: 0.000+/-0.000 χ^2/NDF: 4046610.5/42

- sign 0.000+/-0.000 χ^2/NDF: 1816474.7/21



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.053+/-0.069 χ^2/NDF:10.0/4

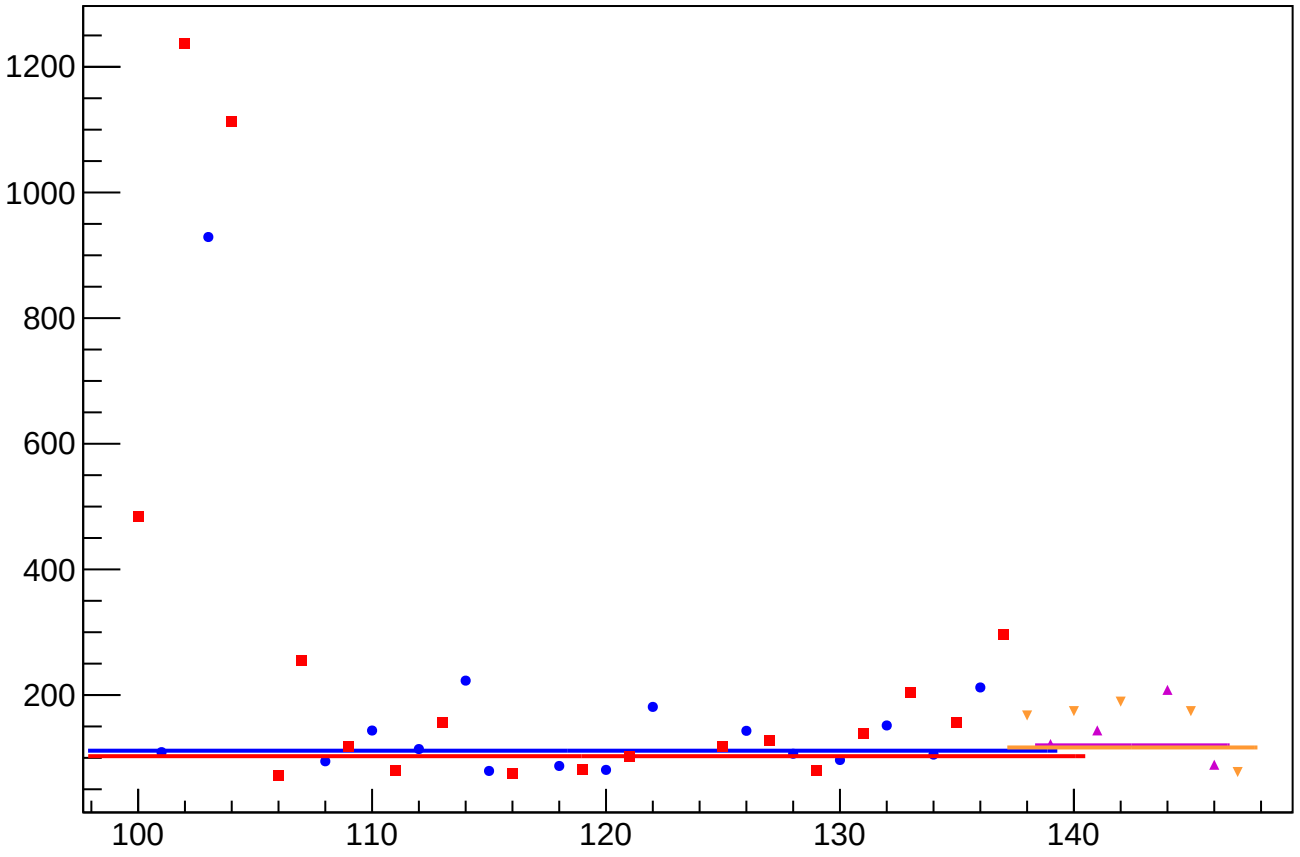
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

\+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.006+/-0.028 χ^2/NDF: 48.9/42

\- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 116.546+/-0.049 χ^2/NDF:965616.2/4

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

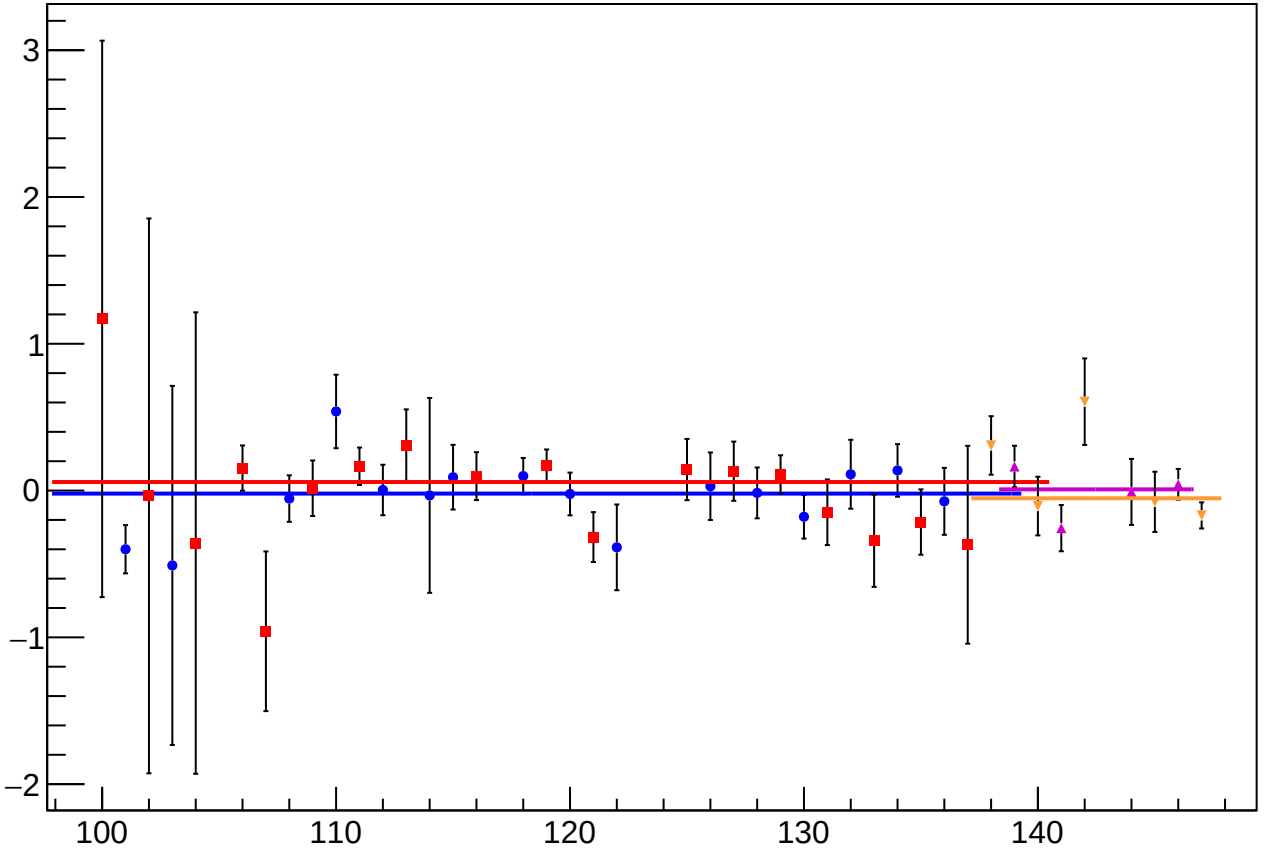
Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

+ sign 113.075+/-0.028 χ^2/NDF: 2812535.8/20

All: 110.455+/-0.019 χ^2/NDF: 6268778.1/42

- sign 107.888+/-0.027 χ^2/NDF: 3438507.1/21

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: -0.053+/-0.069 χ^2/NDF:10.0/4

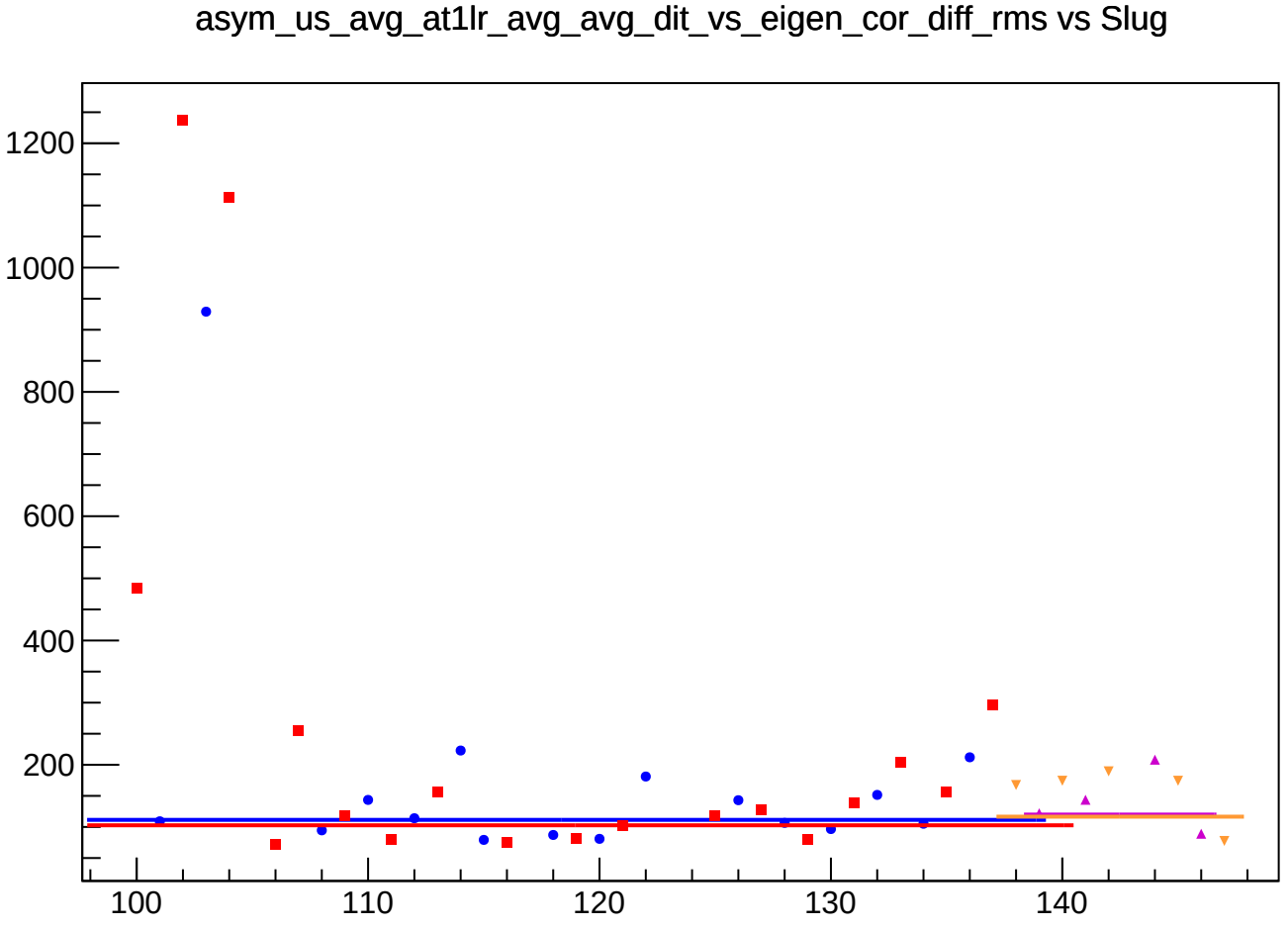
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.006+/-0.028 χ^2/NDF: 48.9/42

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 116.546+/-0.049 χ^2/NDF:965616.2/4

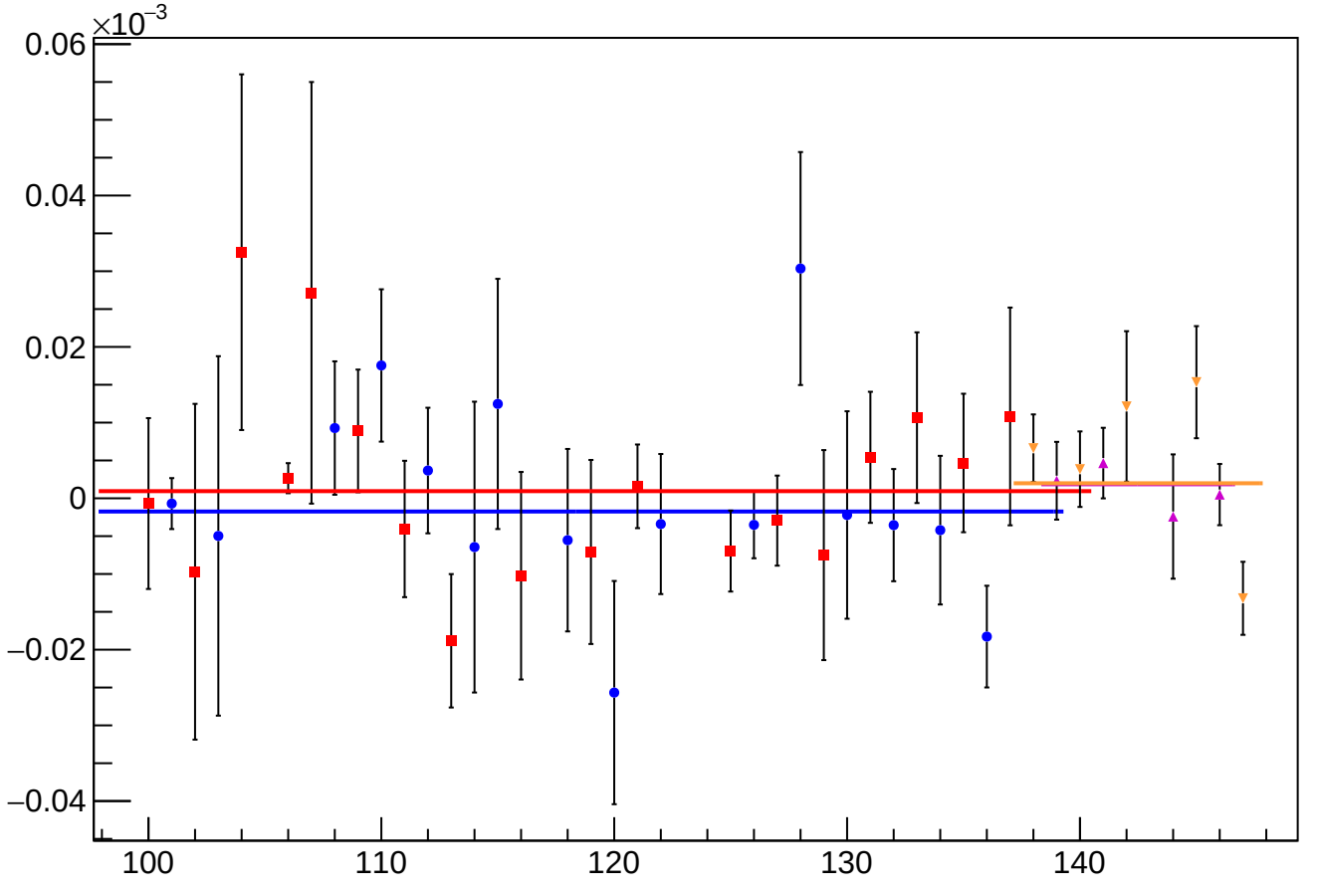
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

+ sign 113.075+/-0.028 χ^2/NDF: 2812535.8/20

All: 110.455+/-0.019 χ^2/NDF: 6268778.1/42

- sign 107.888+/-0.027 χ^2/NDF: 3438507.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

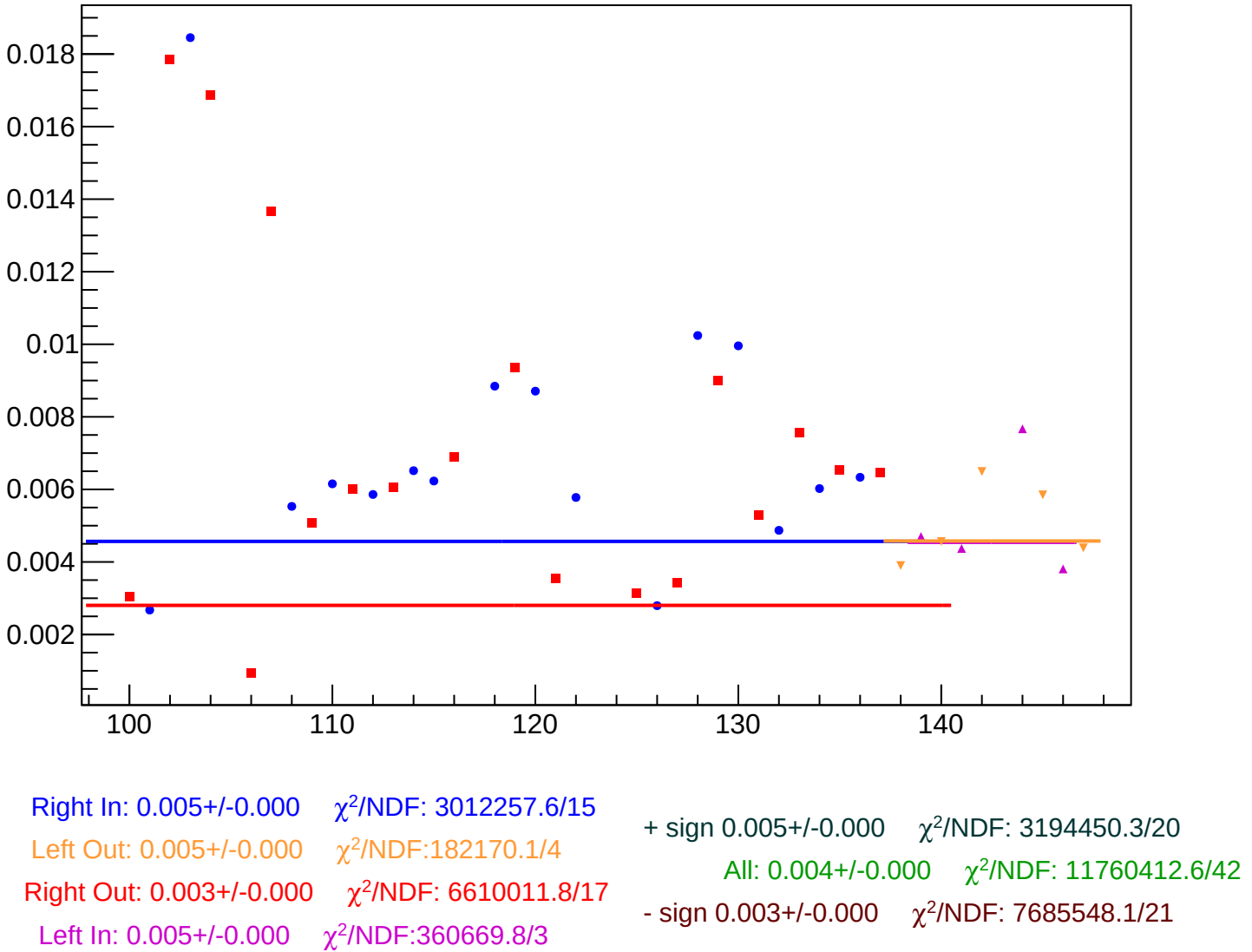
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

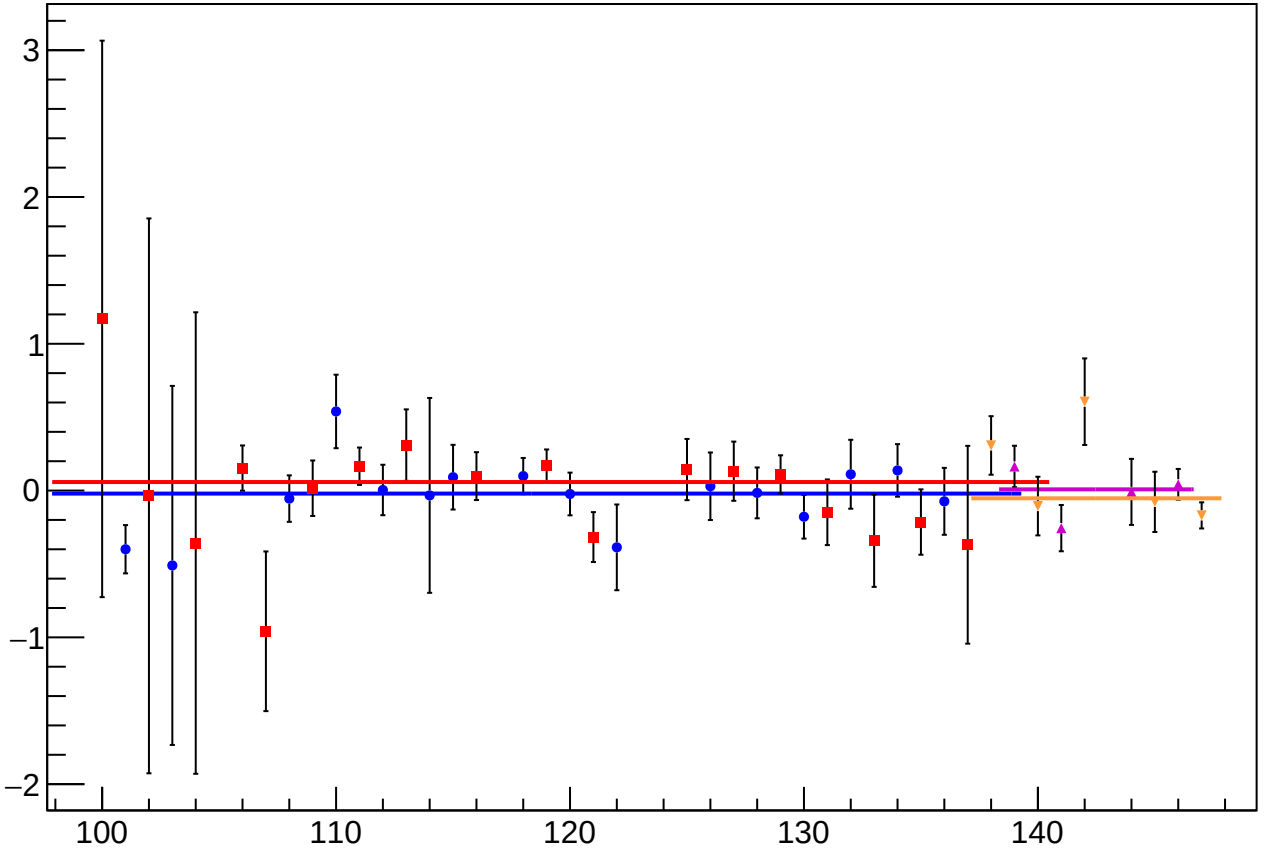
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/20

All: 0.000+/-0.000 χ^2/NDF: 54.0/42

- sign 0.000+/-0.000 χ^2/NDF: 16.6/21


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
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:182170.1/4
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:360669.8/3
+ sign 0.005+/-0.000 χ²/NDF: 3194450.3/20
All: 0.004+/-0.000 χ²/NDF: 11760412.6/42
- sign 0.003+/-0.000 χ²/NDF: 7685548.1/21

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.053+/-0.069 χ^2/NDF:10.0/4

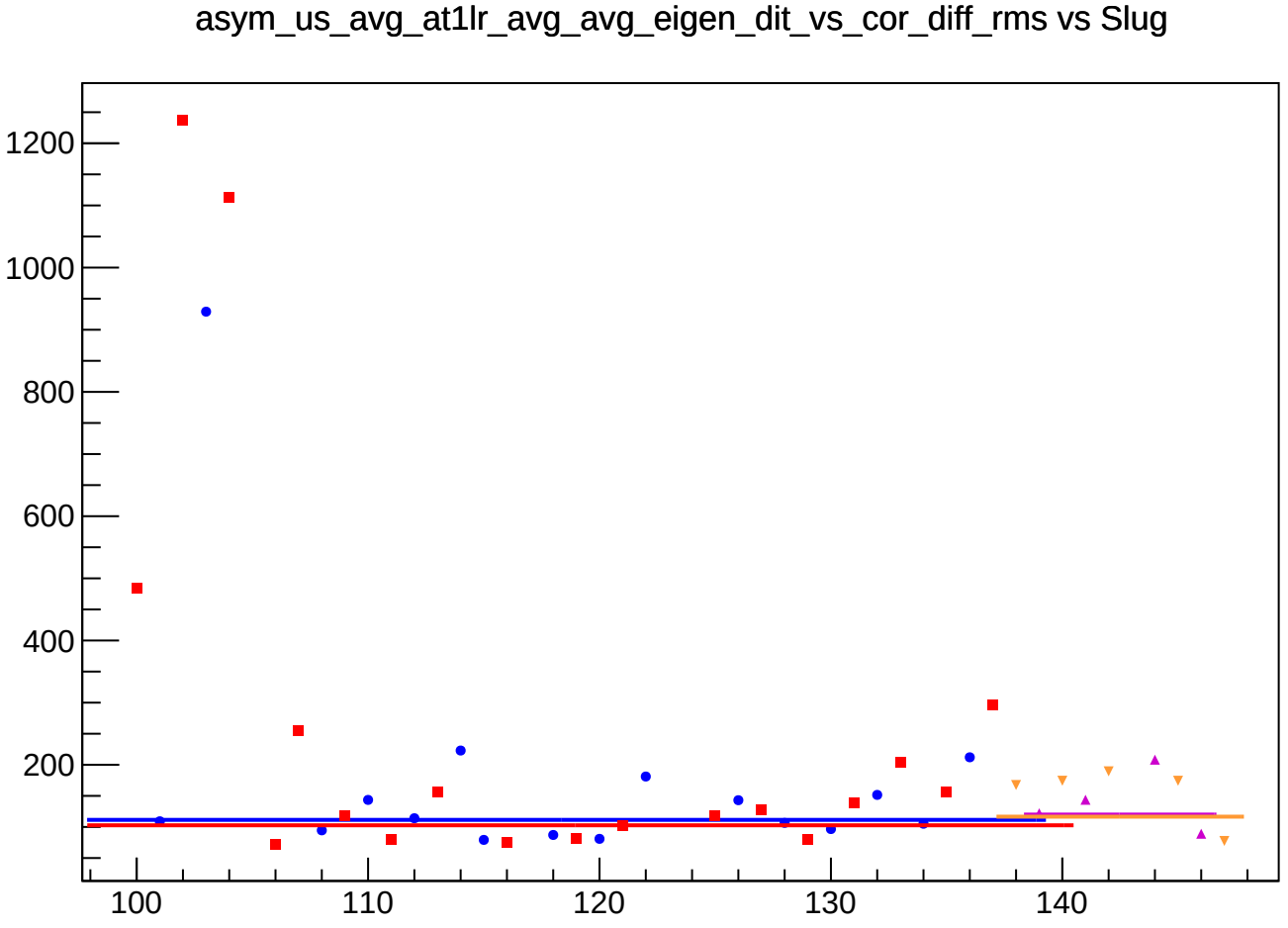
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.006+/-0.028 χ^2/NDF: 48.9/42

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 116.546+/-0.049 χ^2/NDF:965596.0/4

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

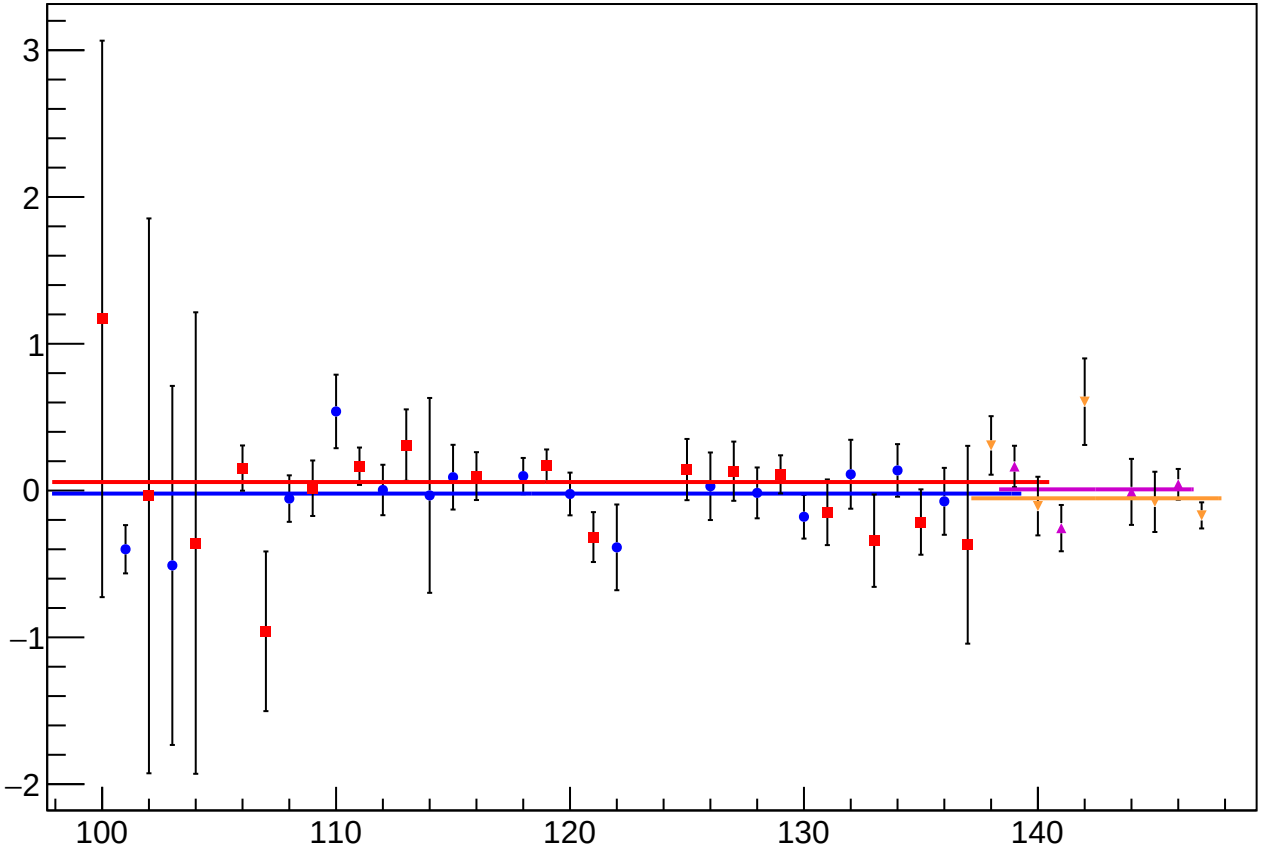
Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

\+ sign 113.073+/-0.028 χ^2/NDF: 2812570.9/20

All: 110.454+/-0.019 χ^2/NDF: 6268821.5/42

\- sign 107.887+/-0.027 χ^2/NDF: 3438519.4/21

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: -0.053+/-0.069 χ^2/NDF:10.0/4

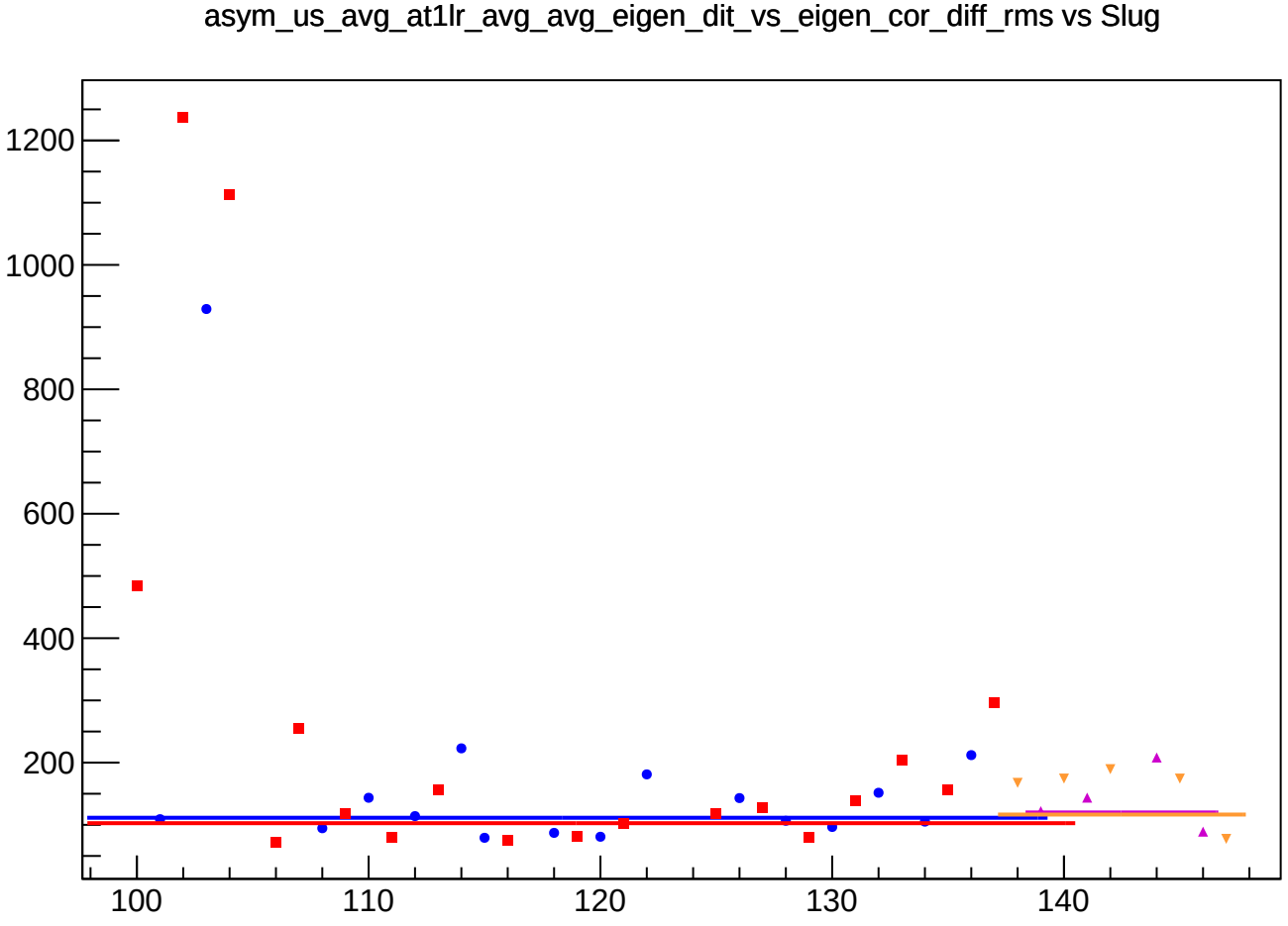
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.006+/-0.028 χ^2/NDF: 48.9/42

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 116.546+/-0.049 χ^2/NDF:965596.0/4

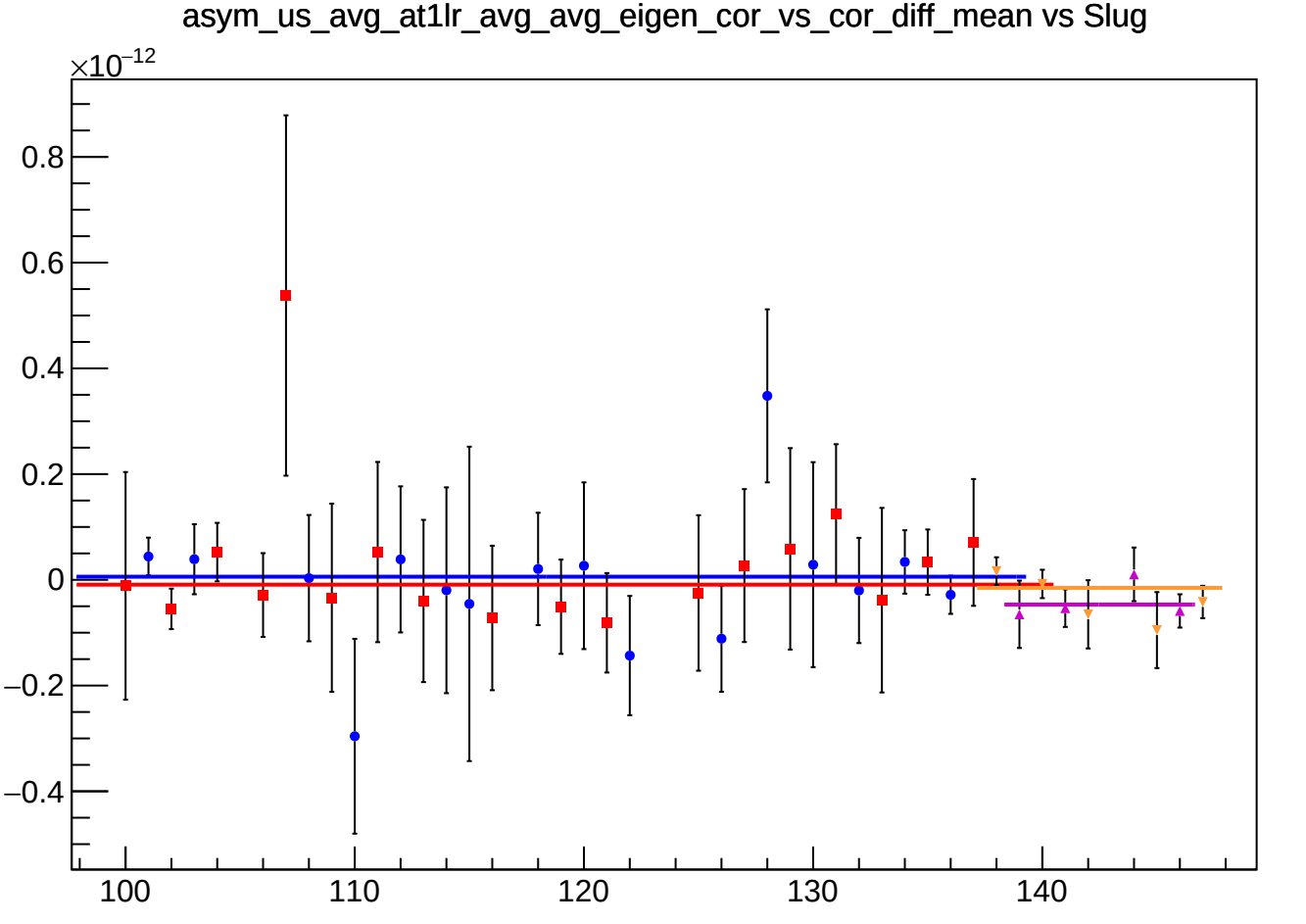
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

+ sign 113.073+/-0.028 χ^2/NDF: 2812570.9/20

All: 110.454+/-0.019 χ^2/NDF: 6268821.5/42

- sign 107.887+/-0.027 χ^2/NDF: 3438519.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/4

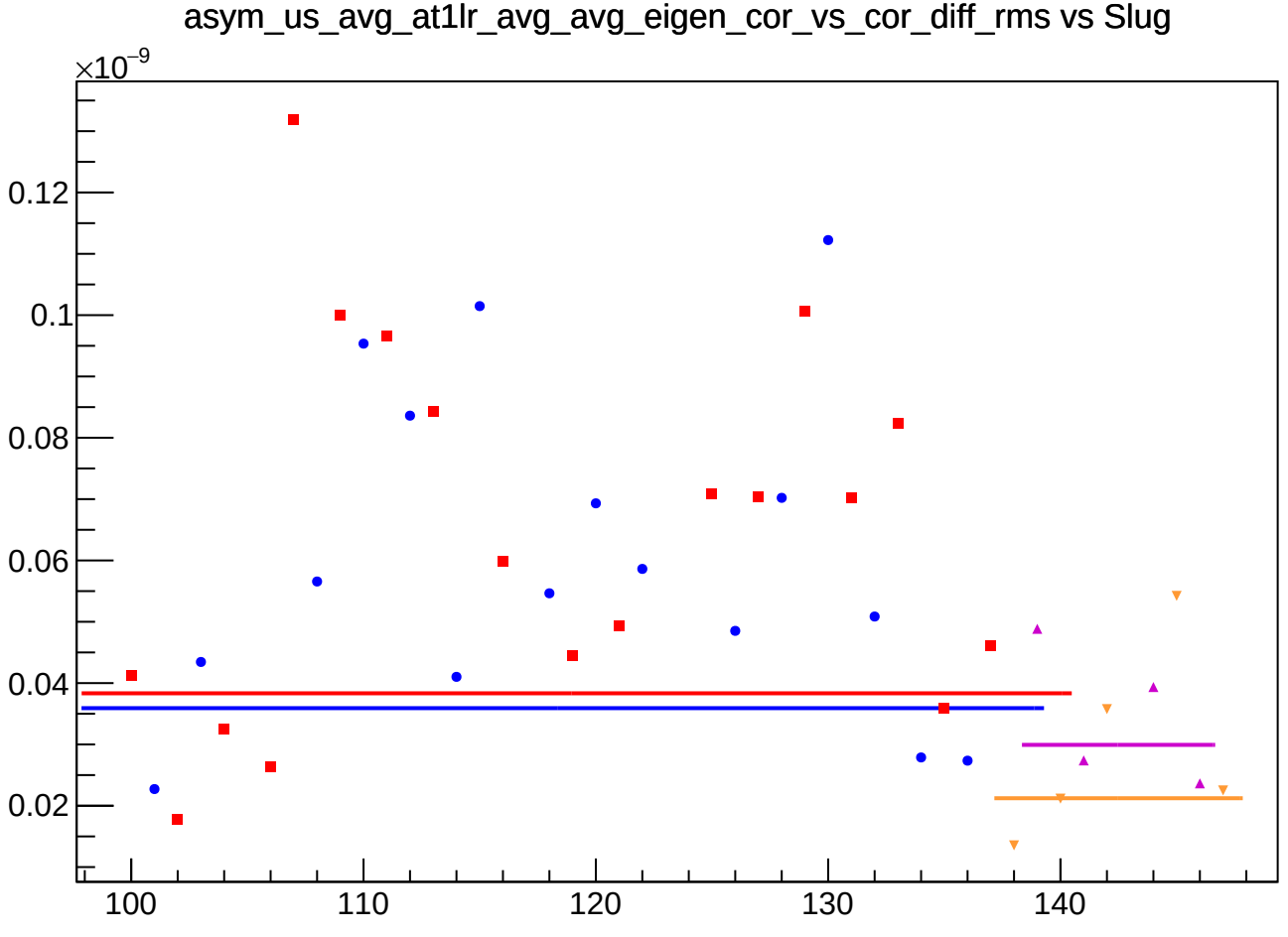
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.9/42

- sign -0.000+/-0.000 χ^2/NDF: 11.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:697786.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

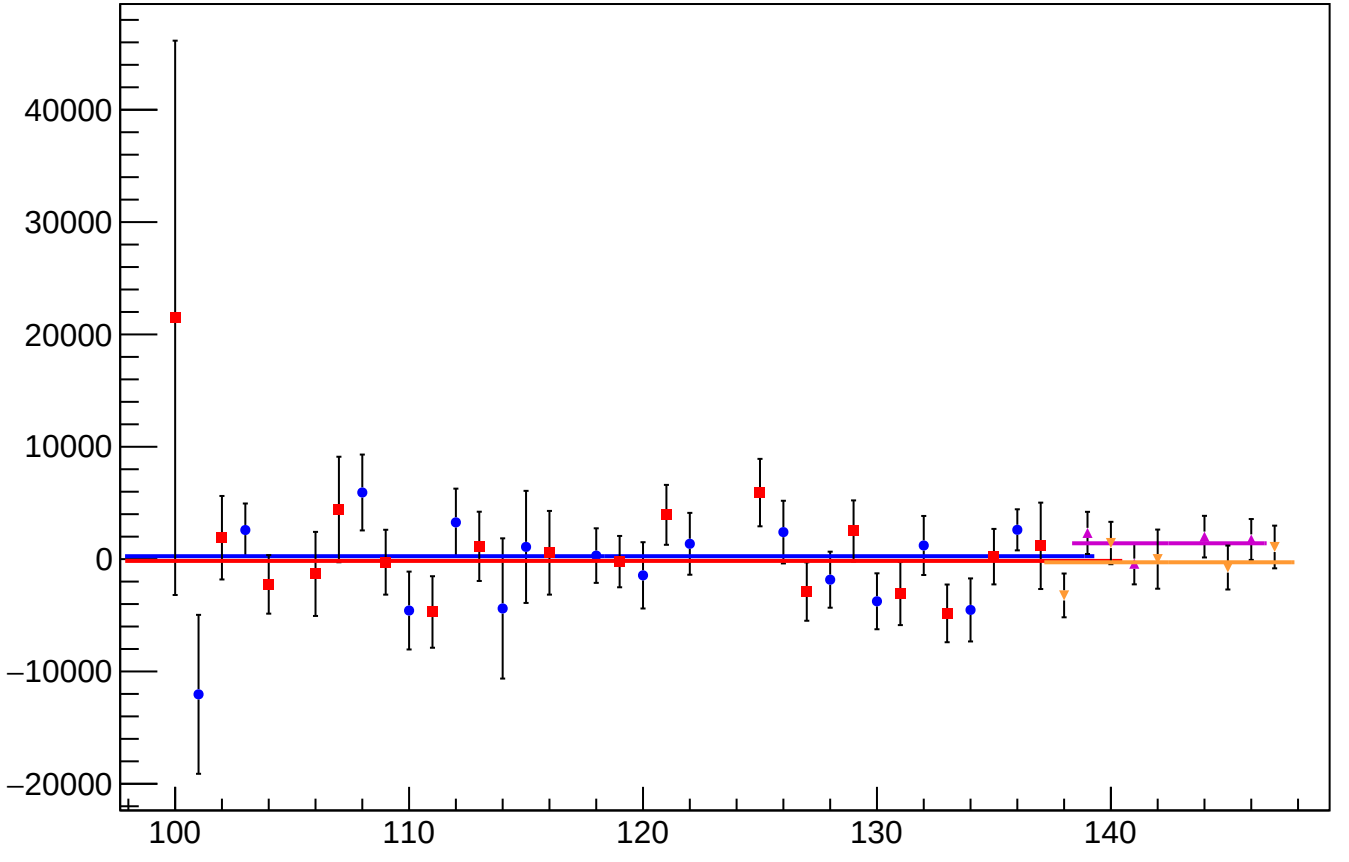
Left In: 0.000+/-0.000 χ^2/NDF:335009.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3178227.2/20

All: 0.000+/-0.000 χ^2/NDF: 6147275.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2698437.6/21

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.702+/-902.688 χ^2/NDF:3.7/4

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

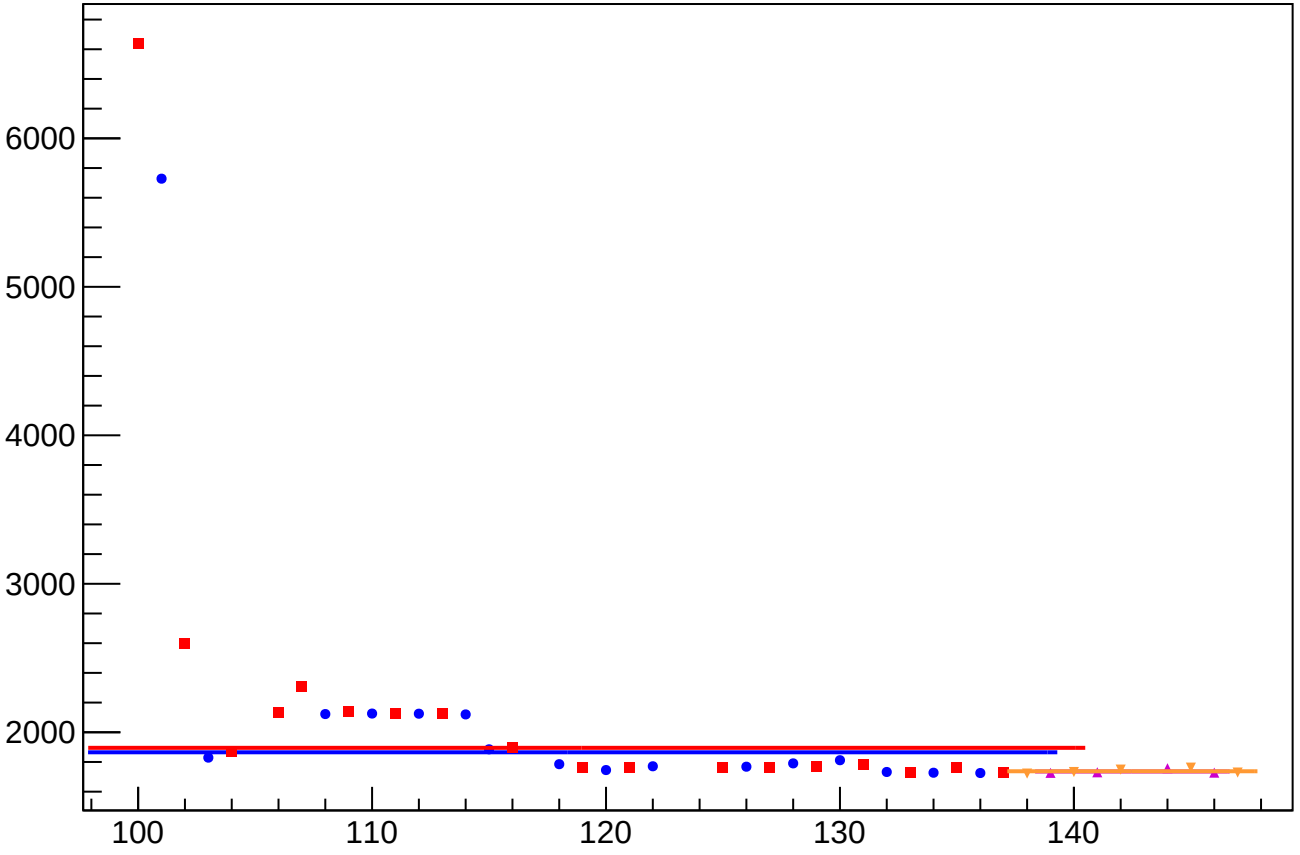
Left In: 1409.353+/-923.375 χ^2/NDF:1.4/3

+ sign 52.763+/-557.916 χ^2/NDF: 23.4/20

All: 237.314+/-396.639 χ^2/NDF: 44.8/42

- sign 425.912+/-563.999 χ^2/NDF: 21.2/21

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

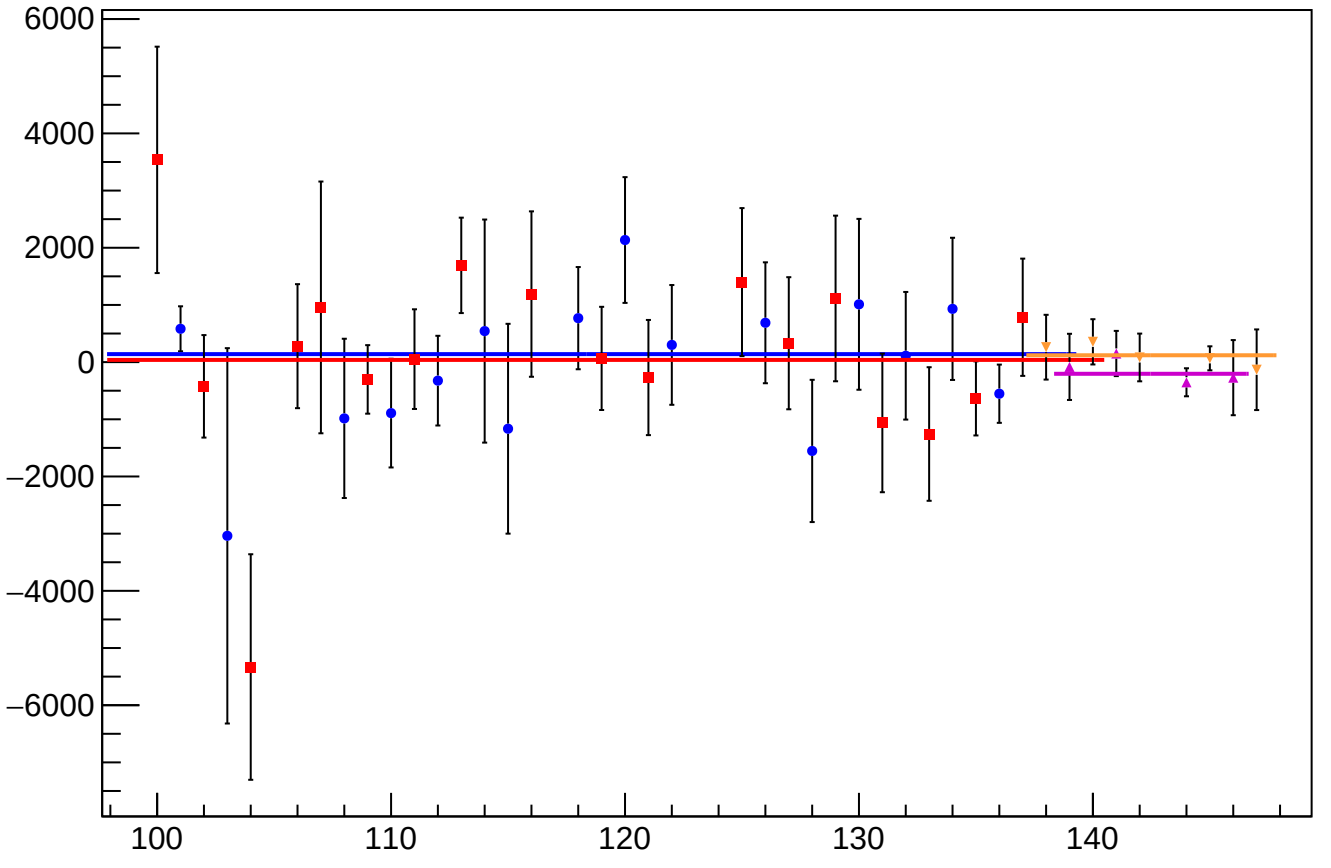
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1816.380+/-0.395 χ^2/NDF: 698003.5/20

All: 1825.978+/-0.280 χ^2/NDF: 987748.0/42

- sign 1835.787+/-0.399 χ^2/NDF: 288547.6/21



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.895+/-158.205 χ^2/NDF:0.6/4

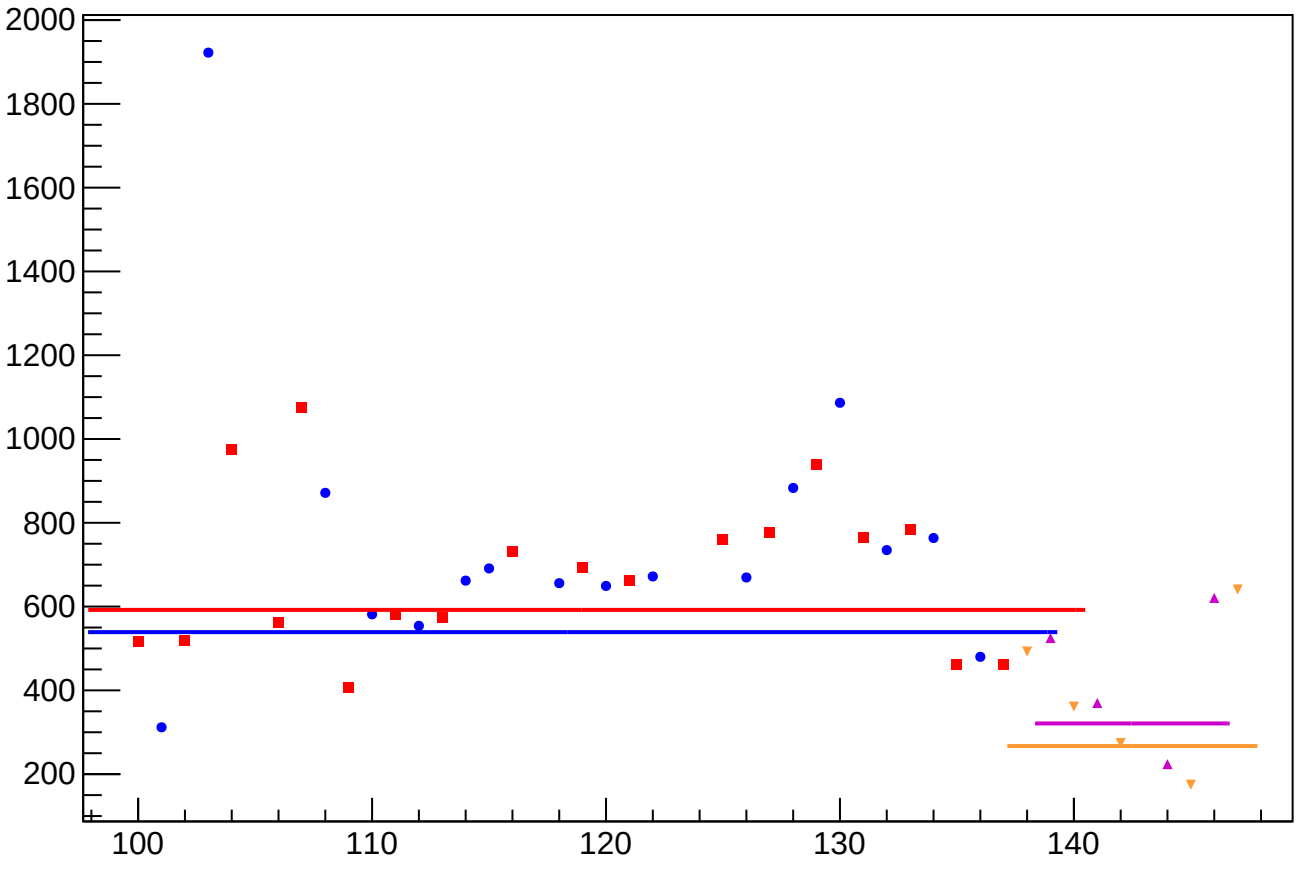
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -204.102+/-187.784 χ^2/NDF:1.2/3

+ sign 126.675+/-128.463 χ^2/NDF: 14.1/20

All: 24.102+/-96.868 χ^2/NDF: 38.8/42

- sign -111.093+/-147.482 χ^2/NDF: 23.3/21



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 267.110+/-0.112 χ^2/NDF:1379124.2/4

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

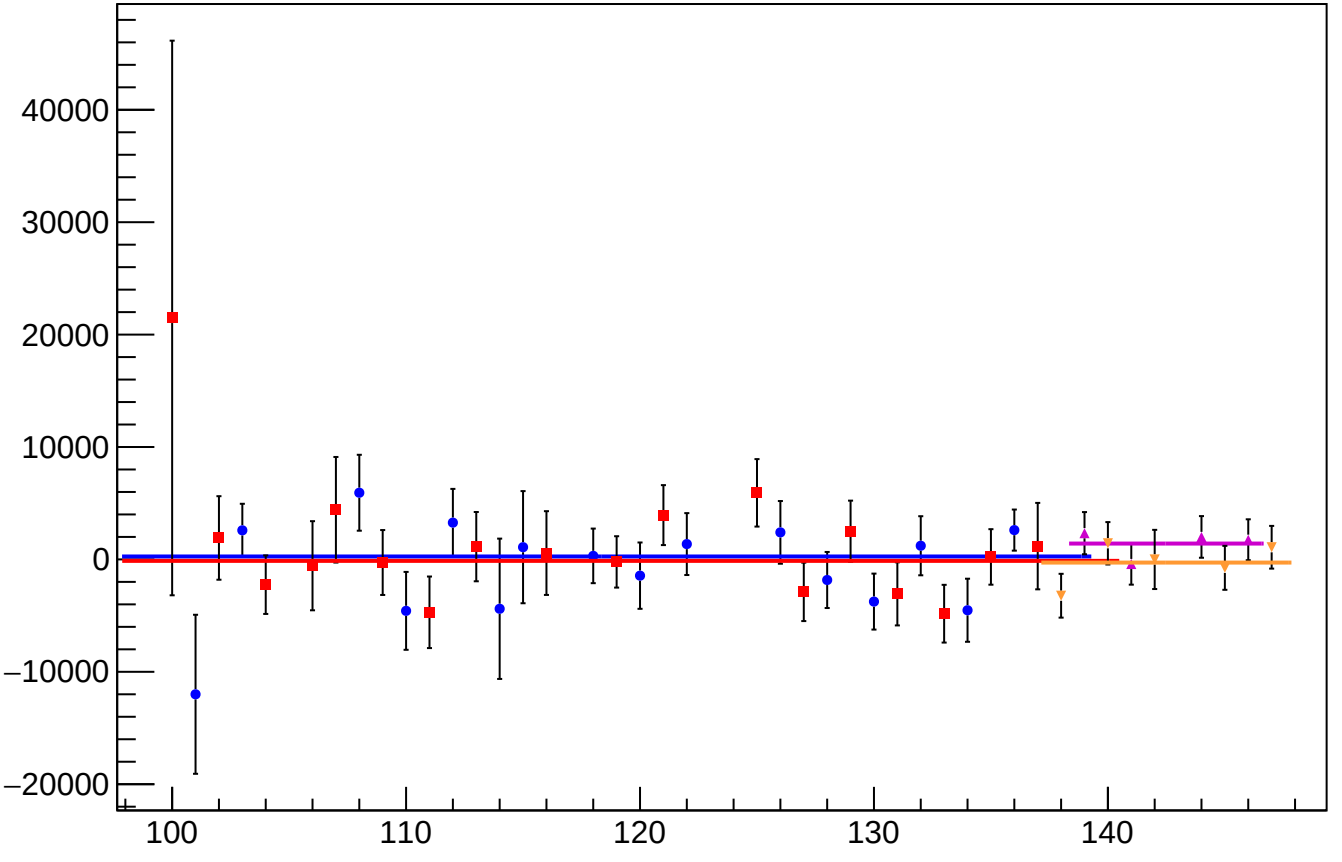
Left In: 321.008+/-0.133 χ^2/NDF:1009295.1/3

+ sign 359.736+/-0.091 χ^2/NDF: 5246218.5/20

All: 387.841+/-0.068 χ^2/NDF: 8917649.7/42

- sign 424.885+/-0.104 χ^2/NDF: 3449524.2/21

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.577+/-902.688 χ^2/NDF:3.7/4

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

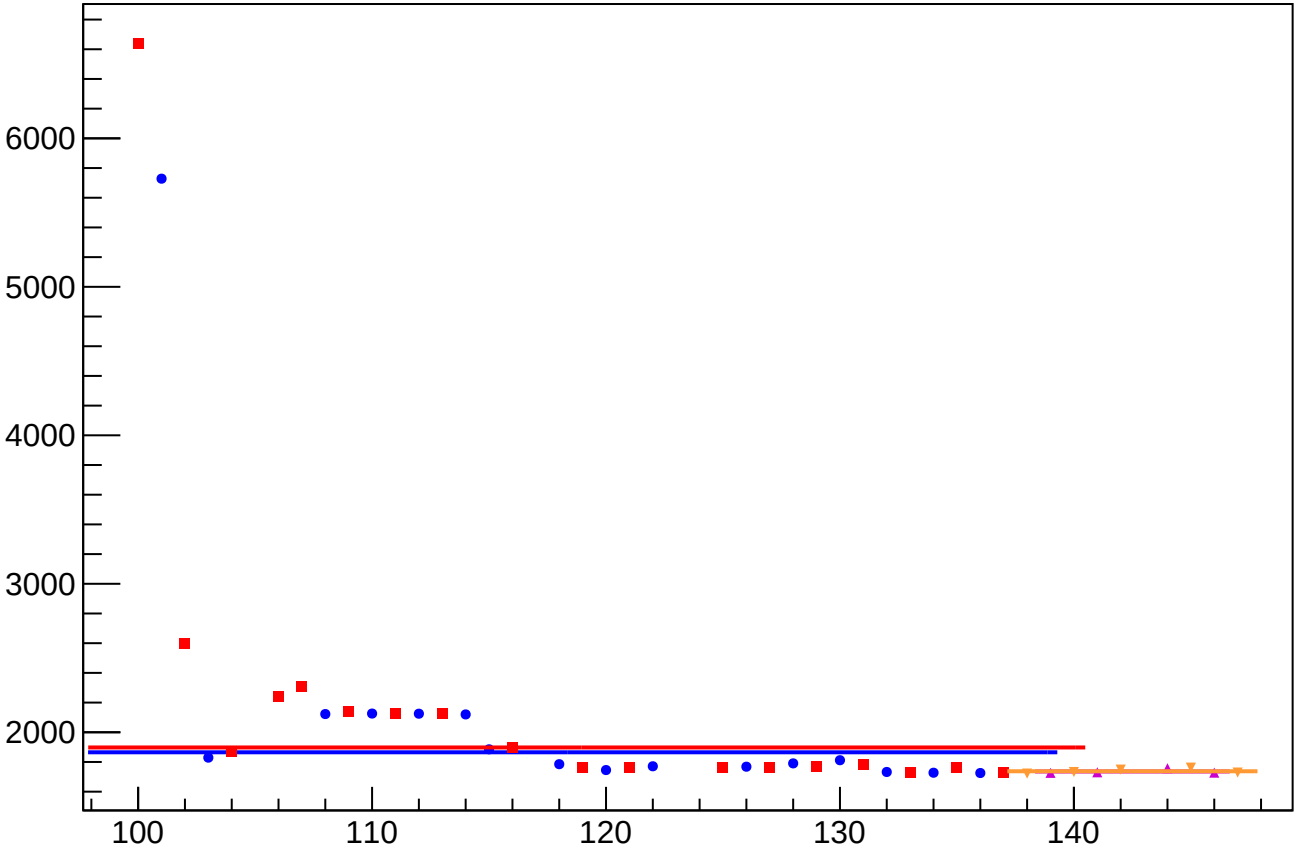
Left In: 1409.501+/-923.375 χ^2/NDF:1.4/3

+ sign 52.926+/-557.916 χ^2/NDF: 23.3/20

All: 246.965+/-396.882 χ^2/NDF: 44.7/42

- sign 445.749+/-564.698 χ^2/NDF: 21.1/21

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

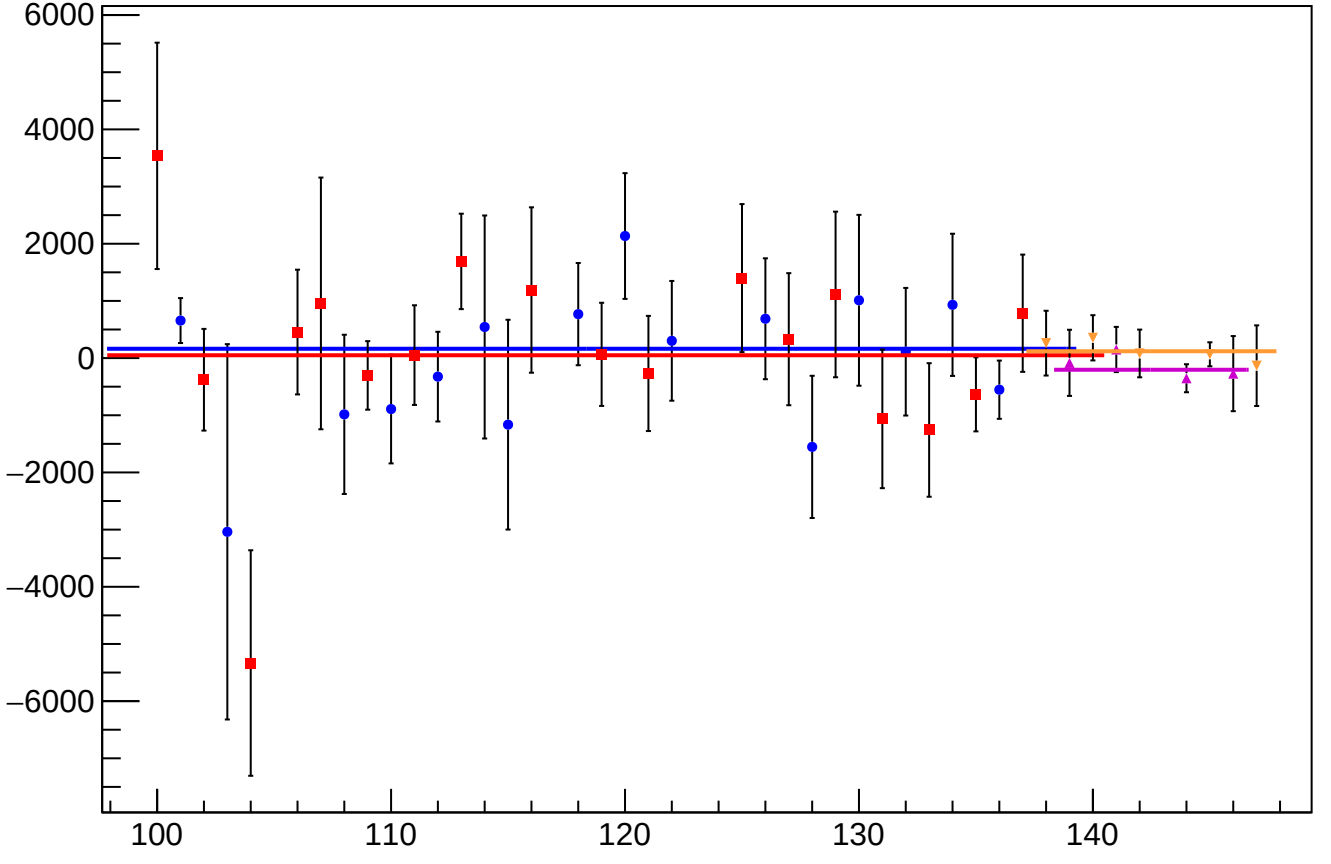
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1816.379+/-0.395 χ^2/NDF: 698003.4/20

All: 1826.651+/-0.281 χ^2/NDF: 995952.5/42

- sign 1837.174+/-0.399 χ^2/NDF: 296576.8/21



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

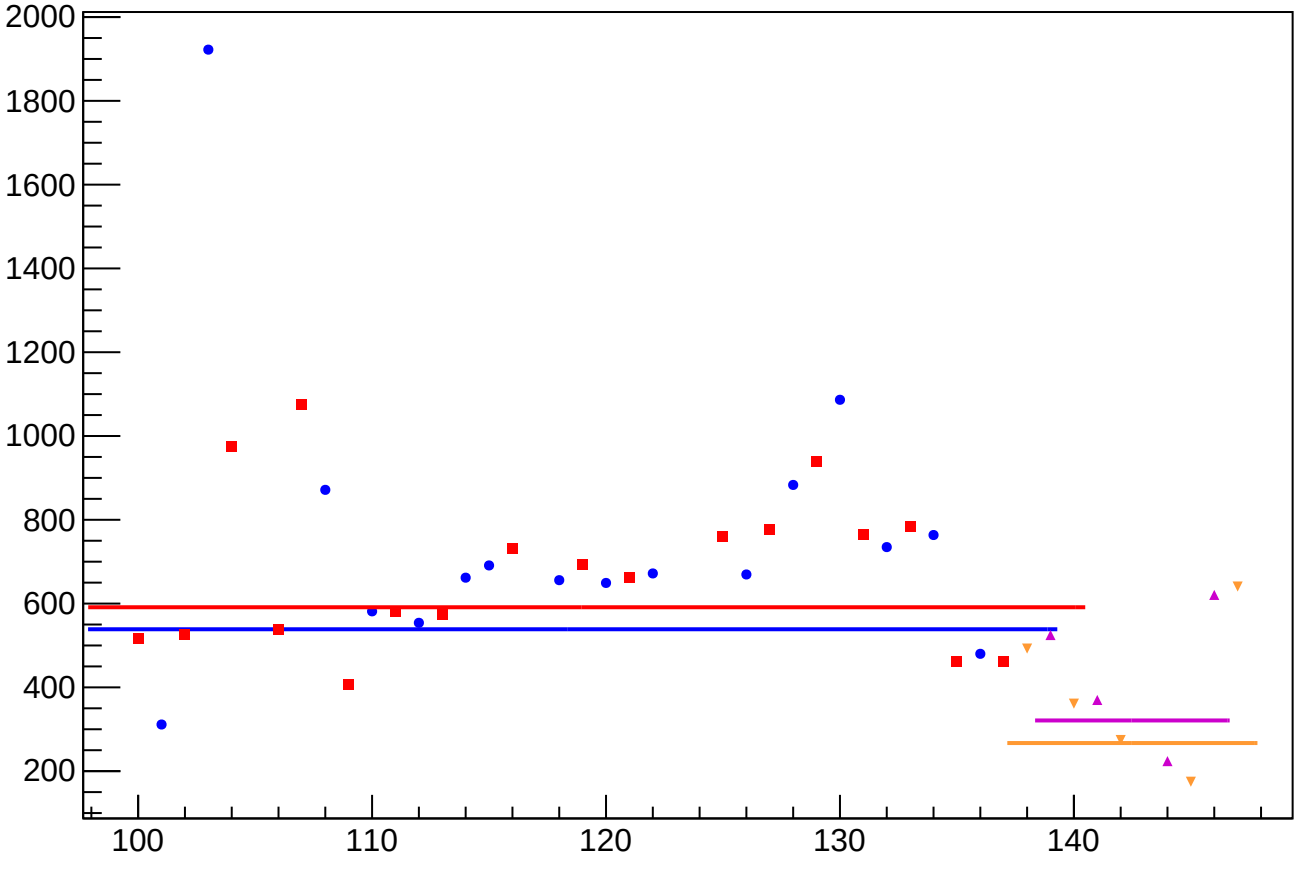
Left In: -204.071+/-187.785 χ^2/NDF:1.2/3

+ sign 134.515+/-128.449 χ^2/NDF: 14.6/20

All: 30.399+/-96.859 χ^2/NDF: 39.4/42

- sign -106.834+/-147.469 χ^2/NDF: 23.4/21

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: 267.117+/-0.112 χ^2/NDF:1379097.4/4

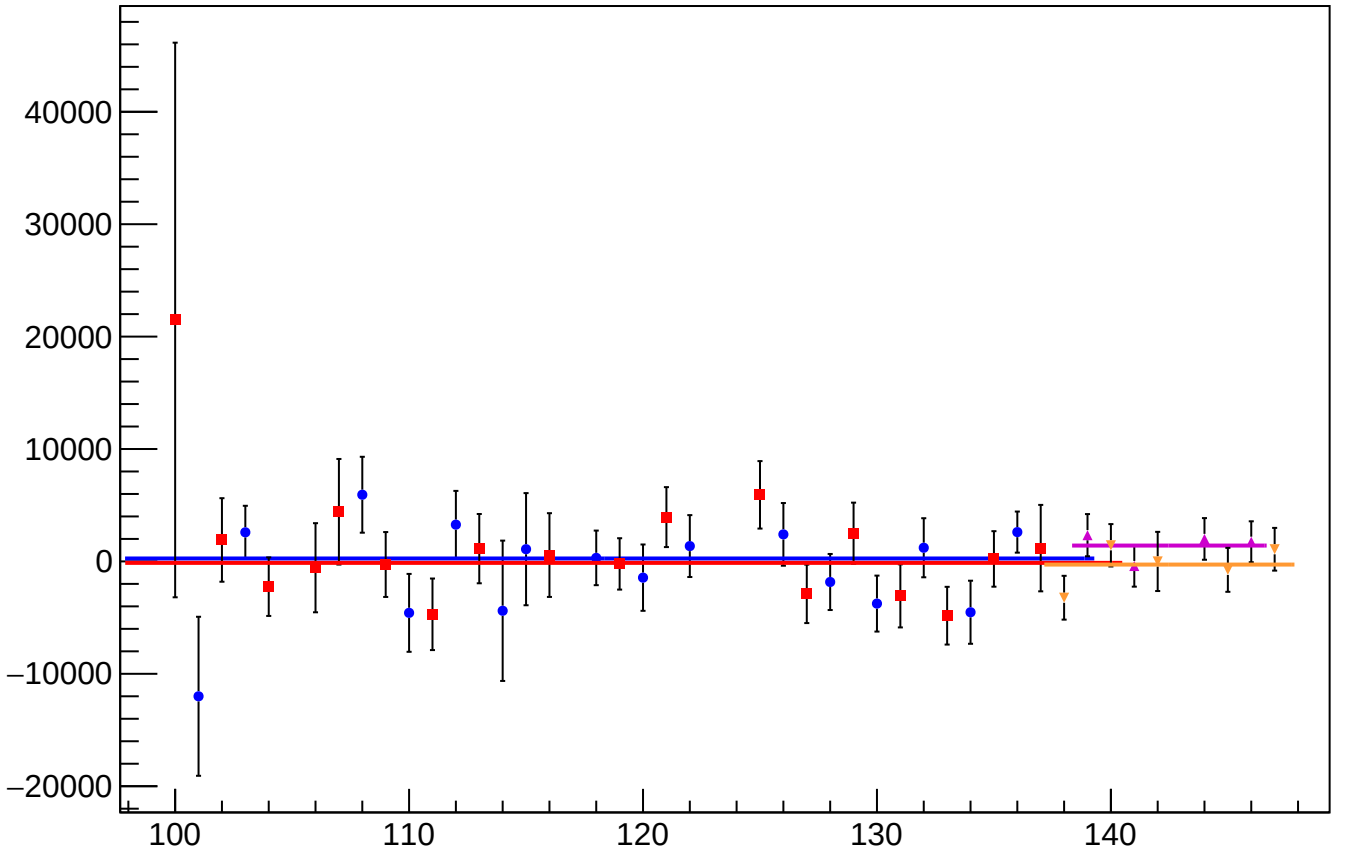
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

+ sign 359.678+/-0.091 χ^2/NDF: 5246669.9/20

All: 387.682+/-0.068 χ^2/NDF: 8908075.7/42

- sign 424.592+/-0.104 χ^2/NDF: 3441055.9/21



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.577+/-902.688 χ^2/NDF:3.7/4

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

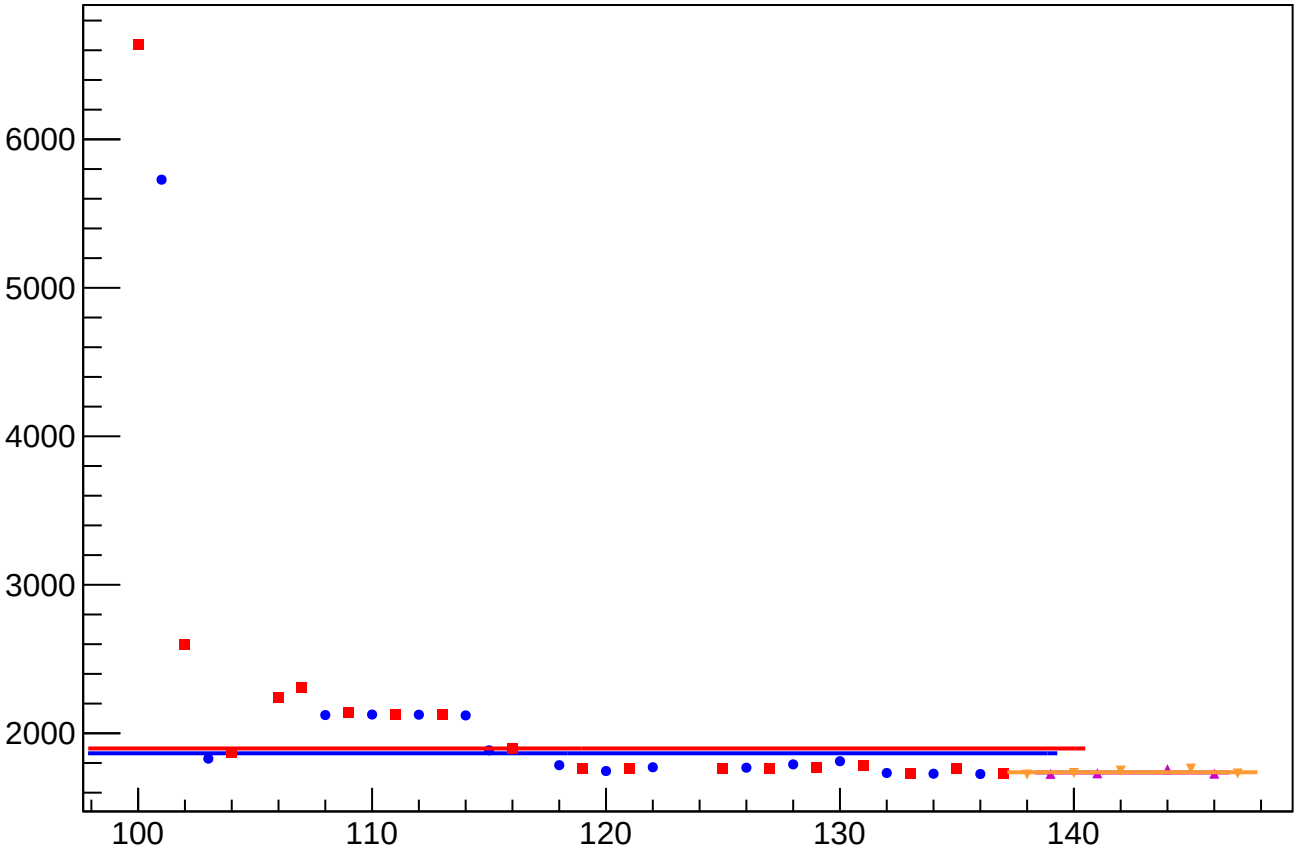
Left In: 1409.501+/-923.375 χ^2/NDF:1.4/3

+ sign 52.926+/-557.916 χ^2/NDF: 23.3/20

All: 246.965+/-396.882 χ^2/NDF: 44.7/42

- sign 445.749+/-564.698 χ^2/NDF: 21.1/21

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: 1737.446+/-0.638 χ^2/NDF:533.4/4

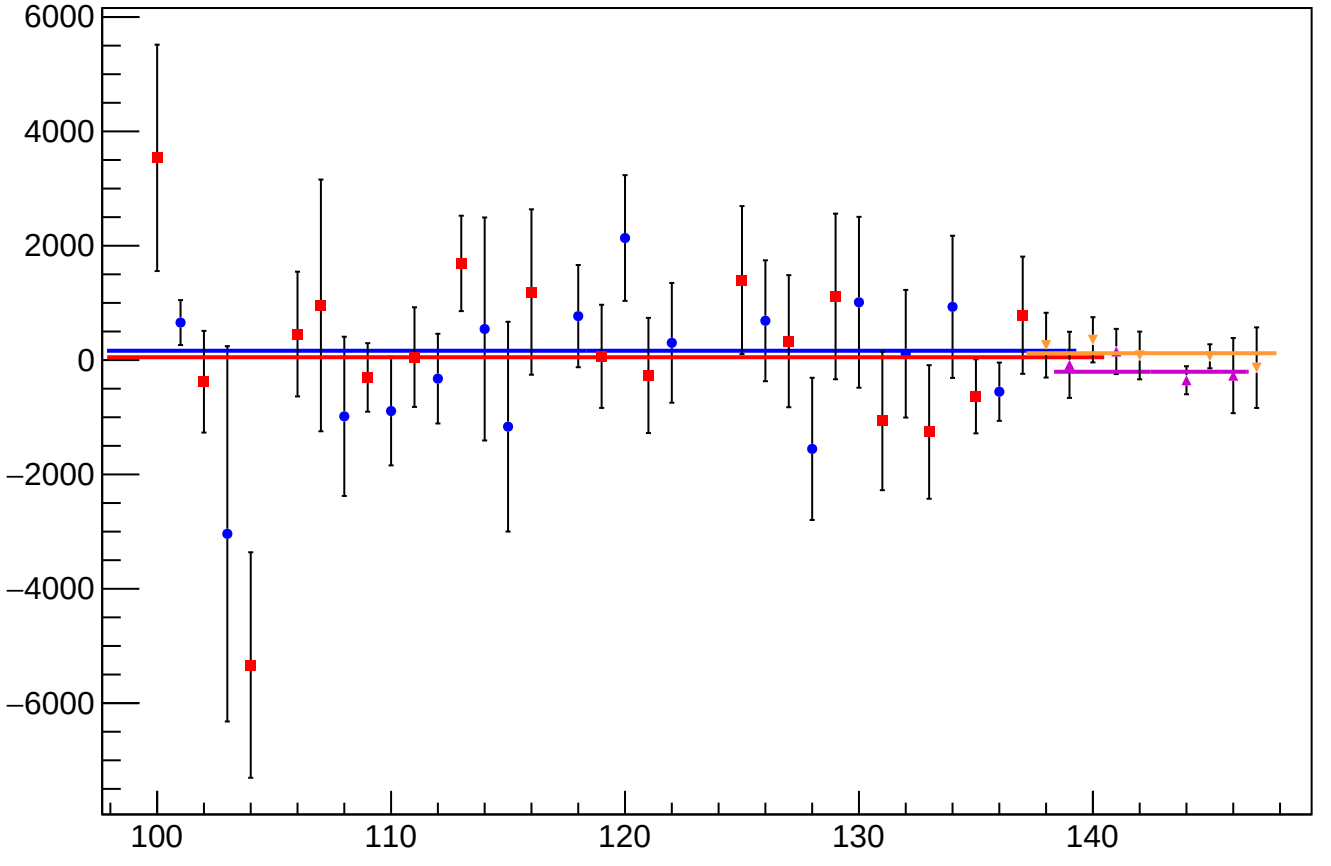
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1816.379+/-0.395 χ^2/NDF: 698003.4/20

All: 1826.651+/-0.281 χ^2/NDF: 995952.5/42

- sign 1837.174+/-0.399 χ^2/NDF: 296576.8/21



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

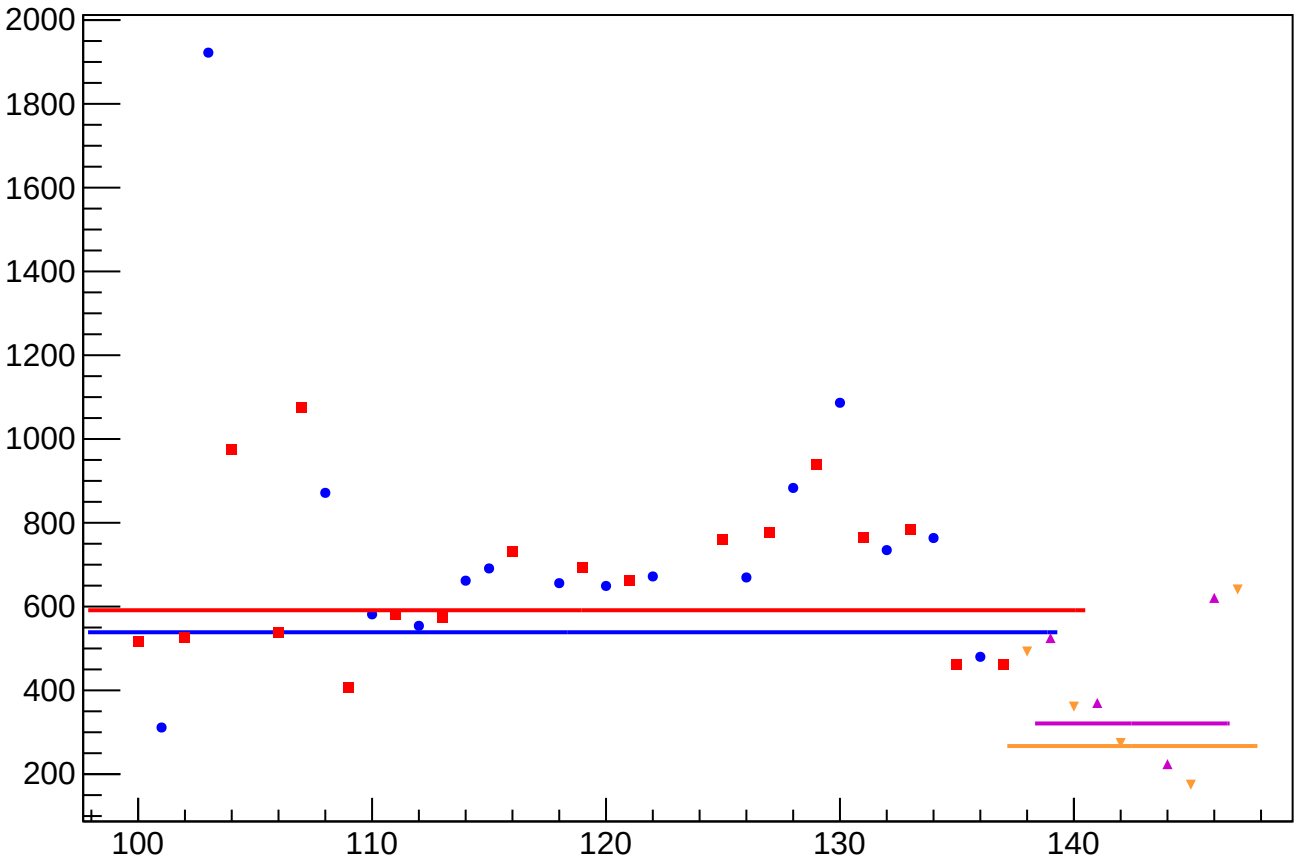
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -204.071+/-187.785 χ^2/NDF:1.2/3

+ sign 134.515+/-128.449 χ^2/NDF: 14.6/20

All: 30.399+/-96.859 χ^2/NDF: 39.4/42

- sign -106.834+/-147.469 χ^2/NDF: 23.4/21



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 267.117+/-0.112 χ^2/NDF:1379097.4/4

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

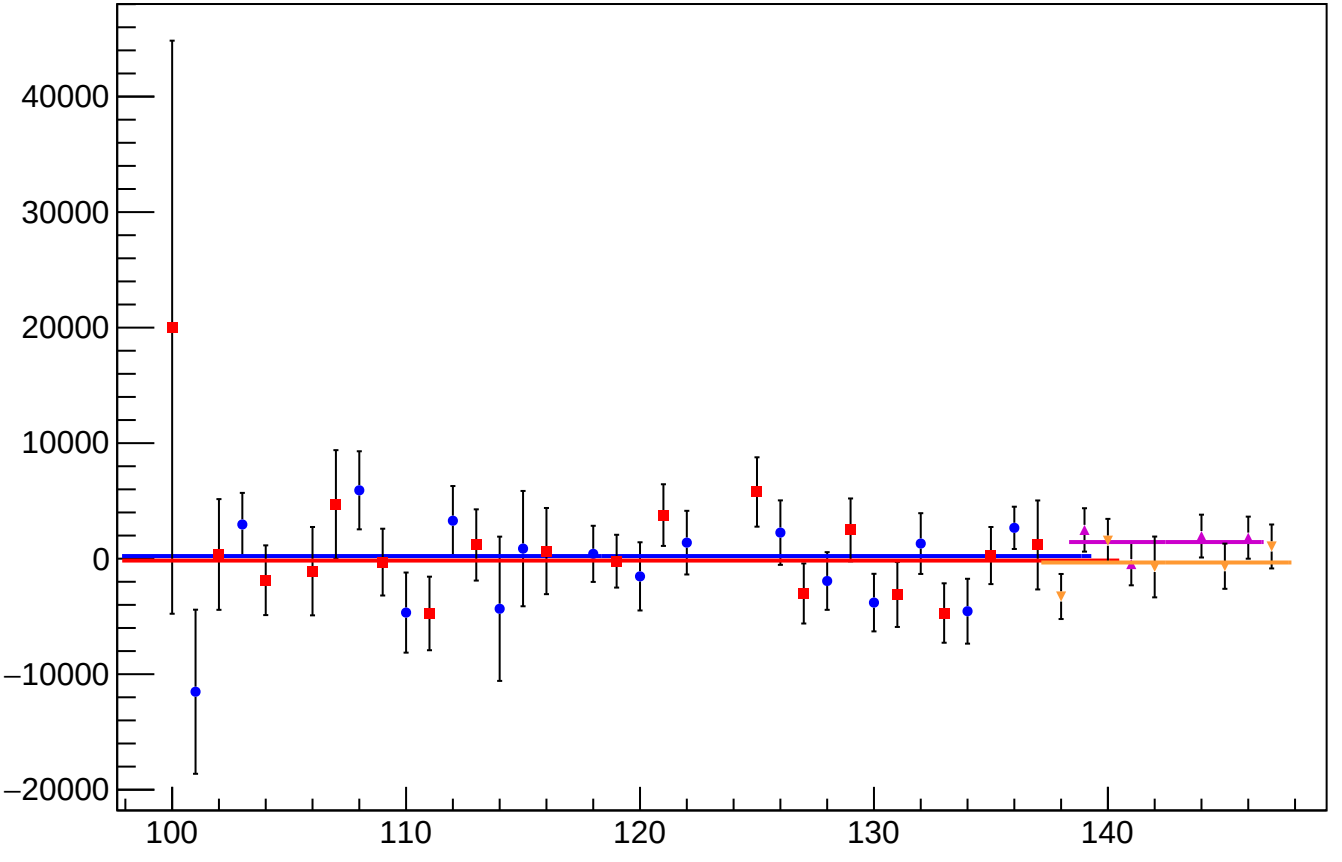
Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

+ sign 359.678+/-0.091 χ^2/NDF: 5246669.9/20

All: 387.682+/-0.068 χ^2/NDF: 8908075.7/42

- sign 424.592+/-0.104 χ^2/NDF: 3441055.9/21

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -331.700+/-903.162 χ^2/NDF:3.9/4

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

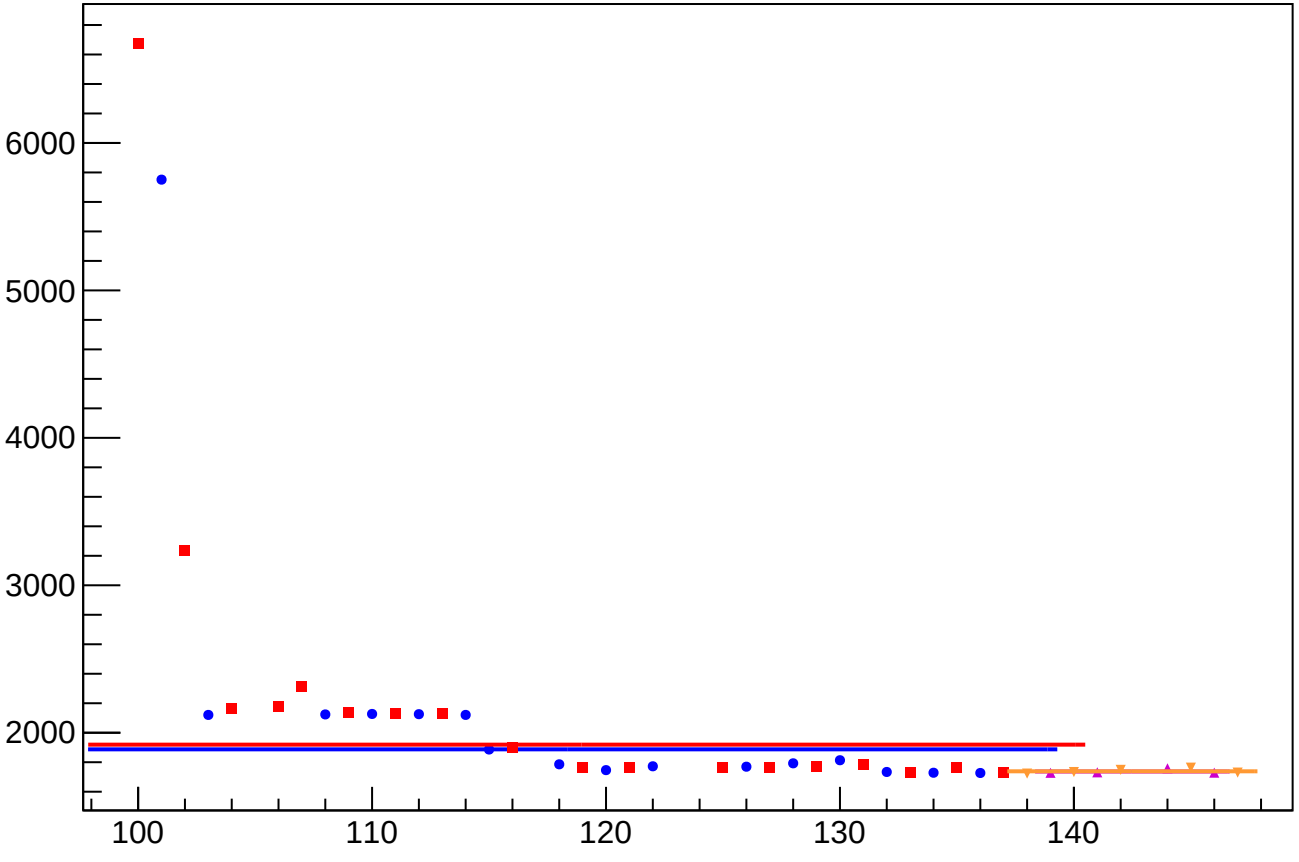
Left In: 1438.640+/-923.948 χ^2/NDF:1.5/3

+ sign 9.962+/-562.303 χ^2/NDF: 23.5/20

All: 225.587+/-400.564 χ^2/NDF: 44.2/42

- sign 447.745+/-570.757 χ^2/NDF: 20.4/21

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1738.354+/-0.639 χ^2/NDF:529.3/4

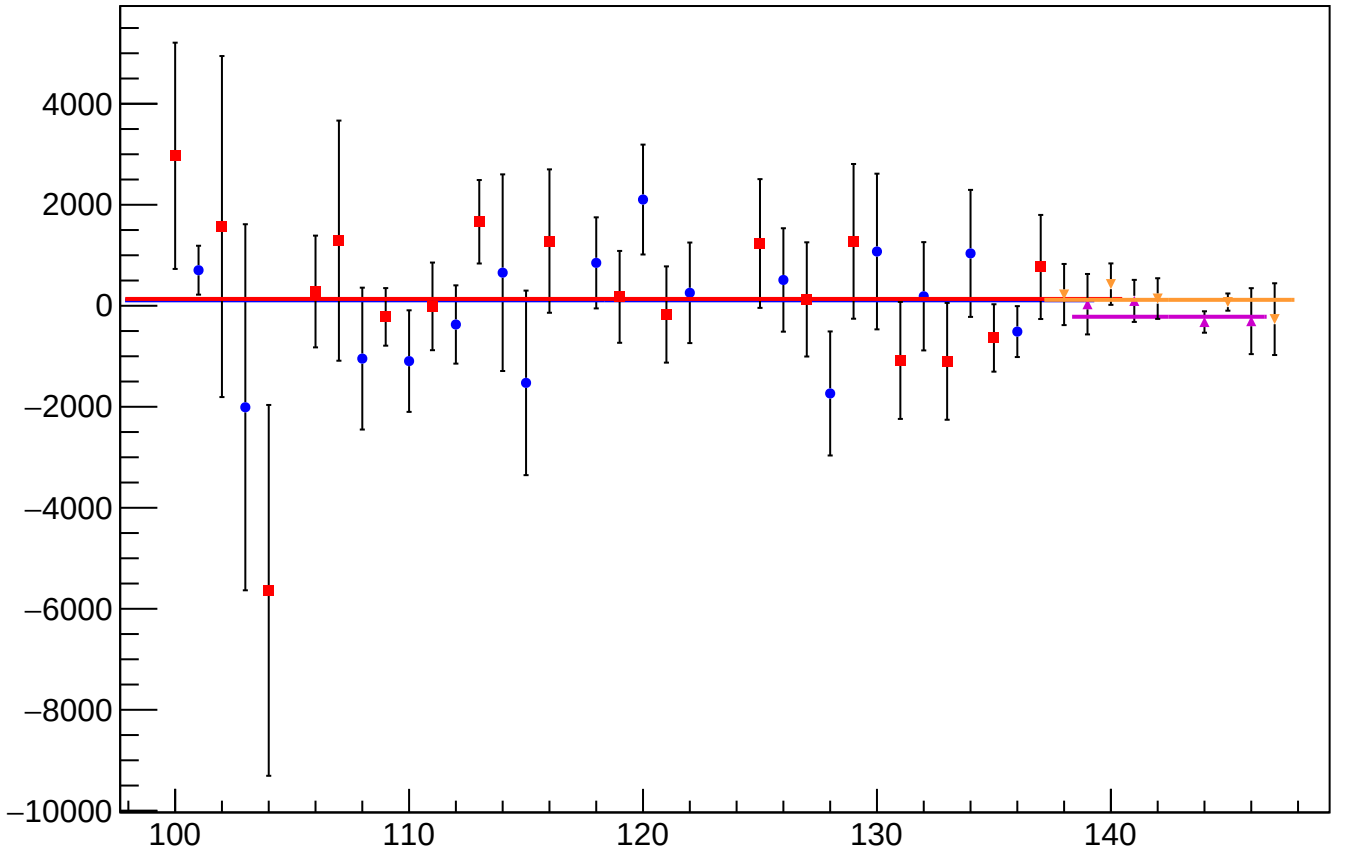
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

+ sign 1829.571+/-0.398 χ^2/NDF: 723286.7/20

All: 1839.450+/-0.283 χ^2/NDF: 1125590.3/42

- sign 1849.627+/-0.404 χ^2/NDF: 401050.4/21



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 117.620+/-139.627 χ^2/NDF:1.0/4

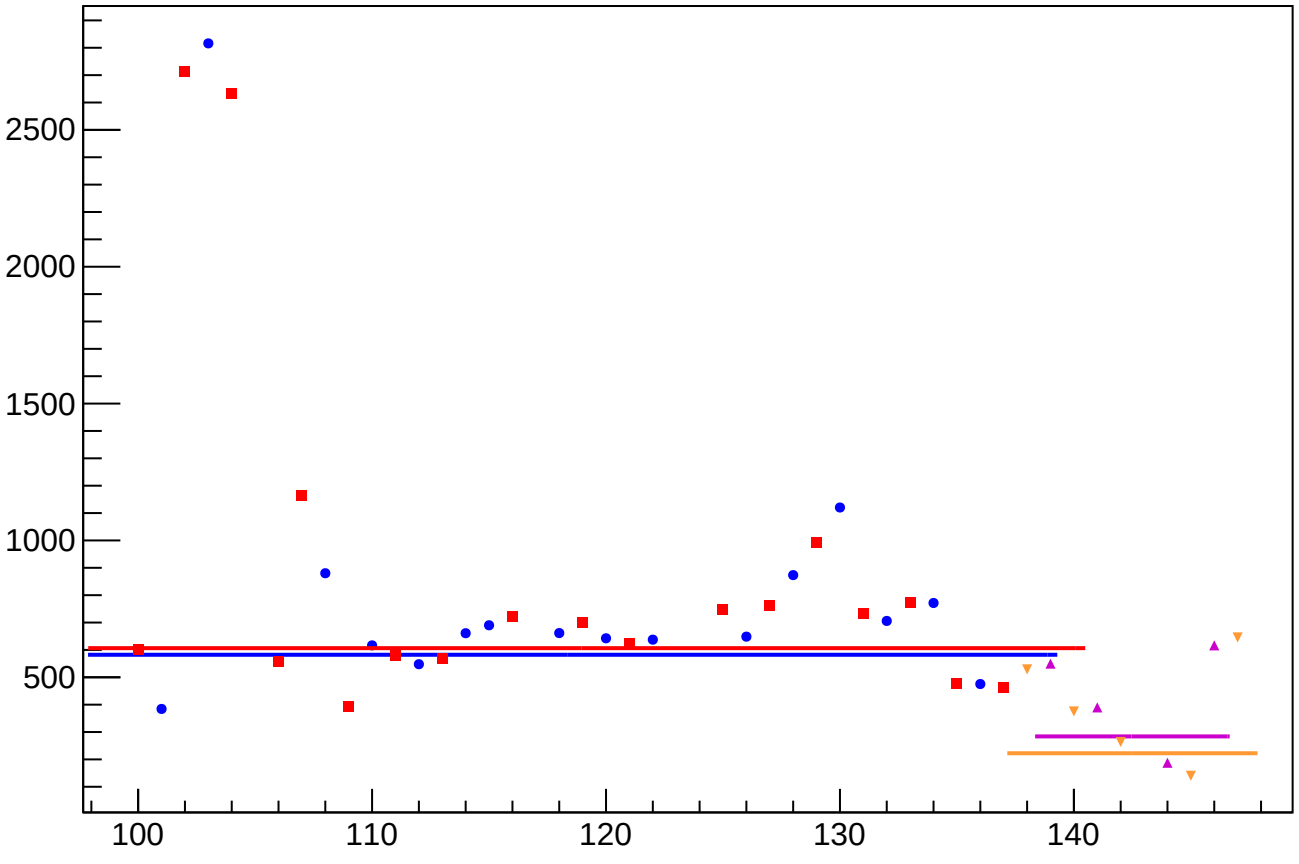
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -217.306+/-173.823 χ^2/NDF:1.0/3

+ sign 115.092+/-119.593 χ^2/NDF: 15.1/20

All: 25.872+/-91.459 χ^2/NDF: 33.2/42

- sign -99.821+/-141.947 χ^2/NDF: 16.7/21



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 222.469+/-0.099 χ^2/NDF:1986609.5/4

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

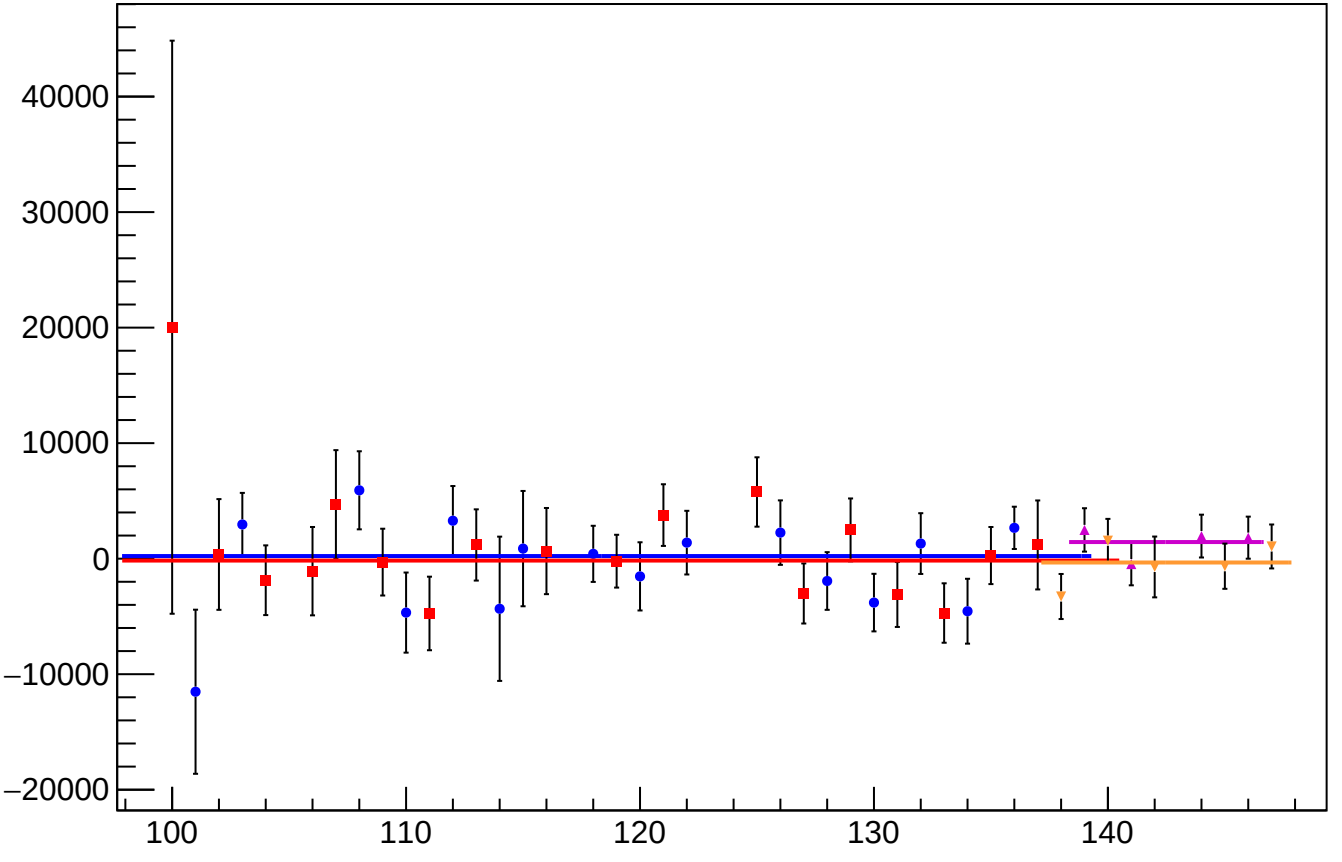
Left In: 284.016+/-0.123 χ^2/NDF:1454610.7/3

+ sign 318.316+/-0.085 χ^2/NDF: 7278667.4/20

All: 348.669+/-0.065 χ^2/NDF: 13534550.9/42

- sign 391.430+/-0.100 χ^2/NDF: 5945552.5/21

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -331.702+/-903.163 χ^2/NDF:3.9/4

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

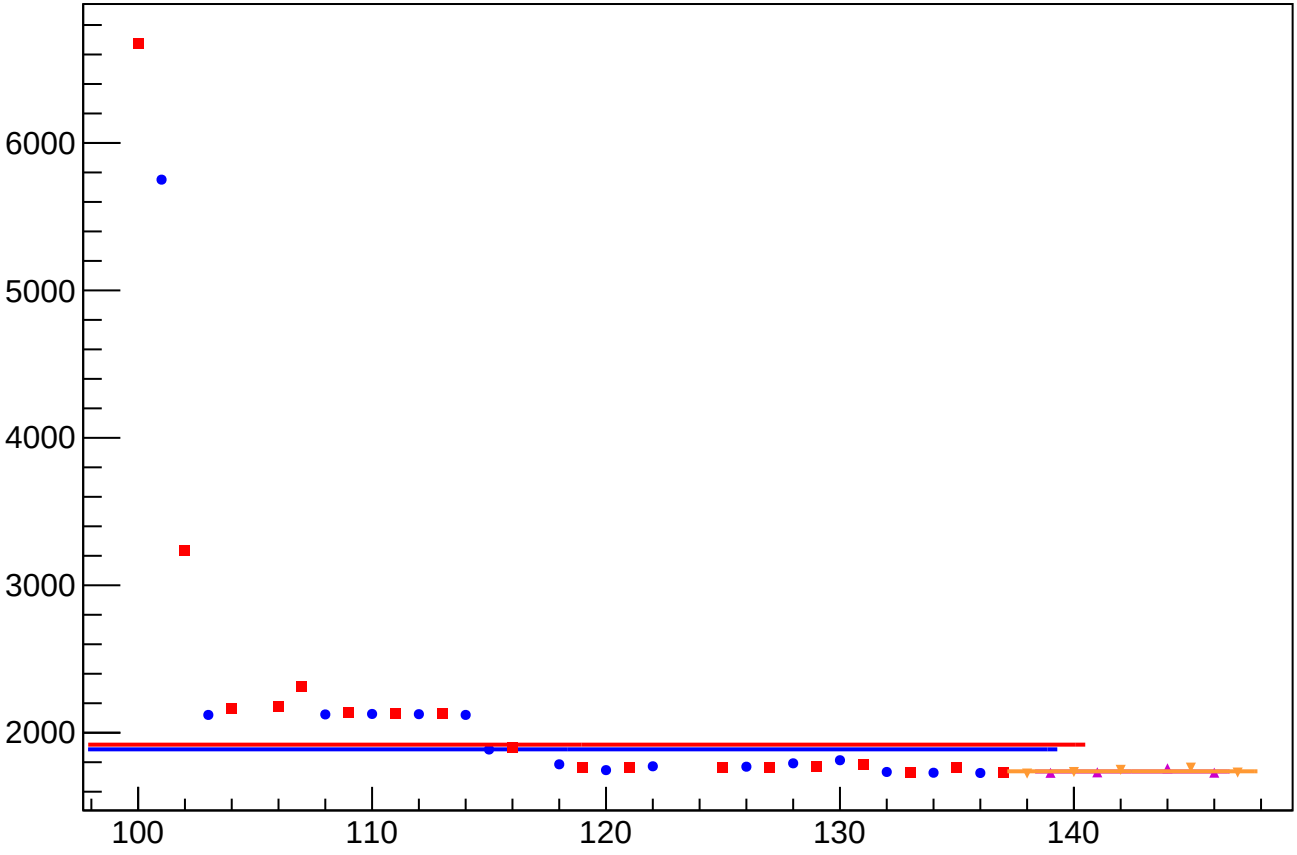
Left In: 1438.641+/-923.948 χ^2/NDF:1.5/3

+ sign 9.962+/-562.303 χ^2/NDF: 23.5/20

All: 225.587+/-400.564 χ^2/NDF: 44.2/42

- sign 447.745+/-570.757 χ^2/NDF: 20.4/21

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1738.354+/-0.639 χ^2/NDF:529.3/4

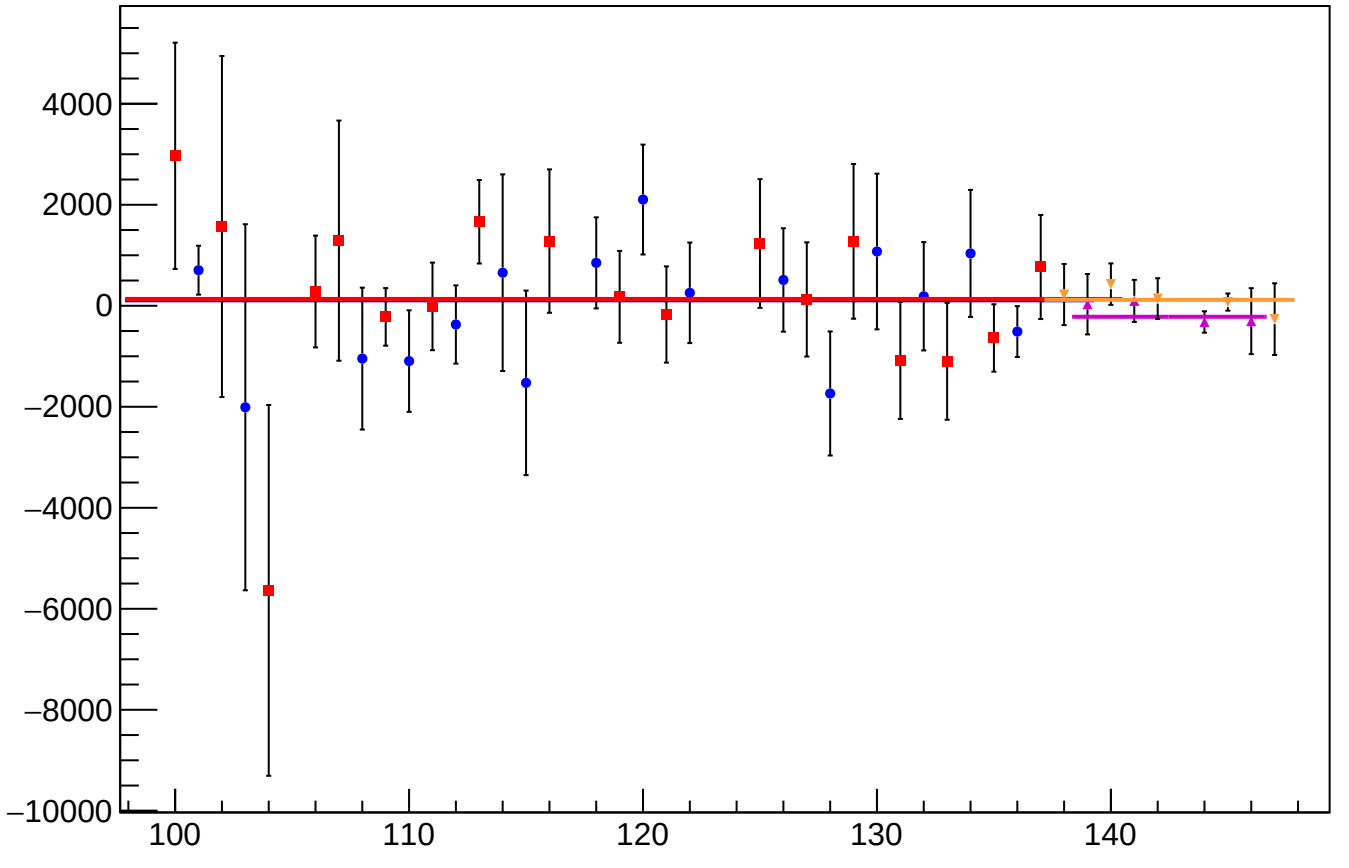
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

+ sign 1829.571+/-0.398 χ^2/NDF: 723286.4/20

All: 1839.450+/-0.283 χ^2/NDF: 1125589.2/42

- sign 1849.627+/-0.404 χ^2/NDF: 401049.6/21



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 117.618+/-139.628 χ^2/NDF:1.0/4

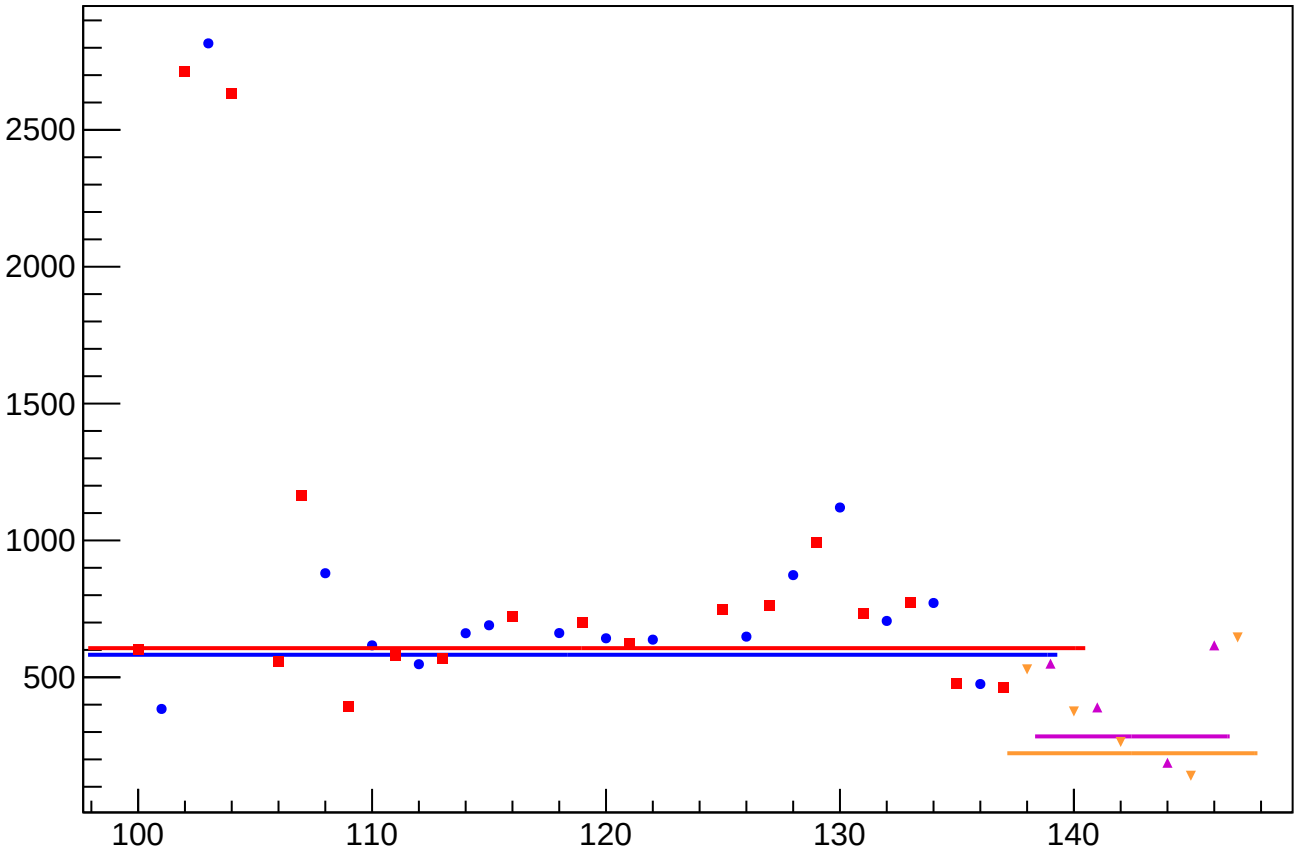
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -217.305+/-173.824 χ^2/NDF:1.0/3

+ sign 115.090+/-119.592 χ^2/NDF: 15.1/20

All: 25.871+/-91.459 χ^2/NDF: 33.2/42

- sign -99.820+/-141.947 χ^2/NDF: 16.7/21



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 222.469+/-0.099 χ^2/NDF:1986623.9/4

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

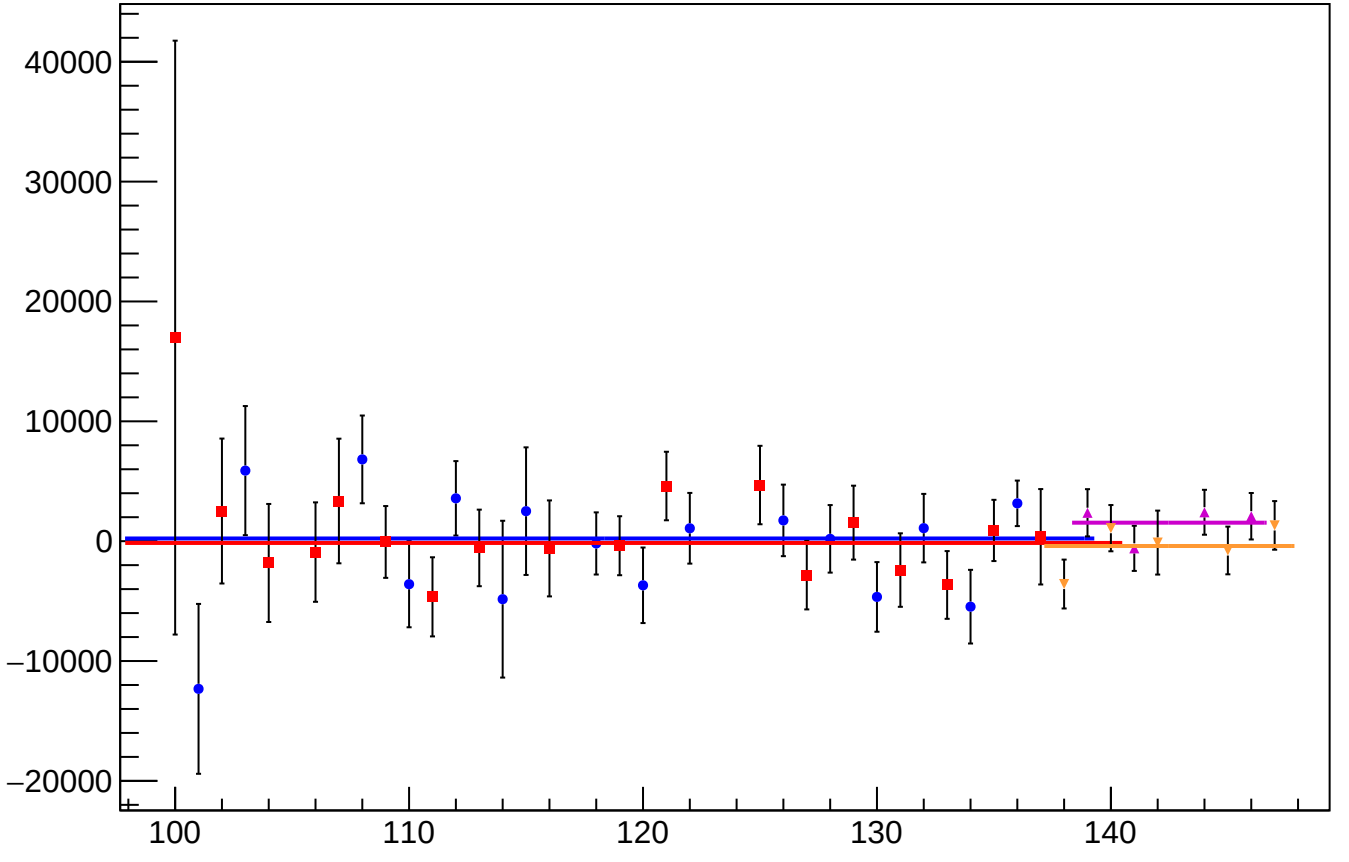
Left In: 284.016+/-0.123 χ^2/NDF:1454620.1/3

+ sign 318.316+/-0.085 χ^2/NDF: 7278655.1/20

All: 348.669+/-0.065 χ^2/NDF: 13534520.7/42

- sign 391.430+/-0.100 χ^2/NDF: 5945535.1/21

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -403.044+/-934.457 χ^2/NDF:3.8/4

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

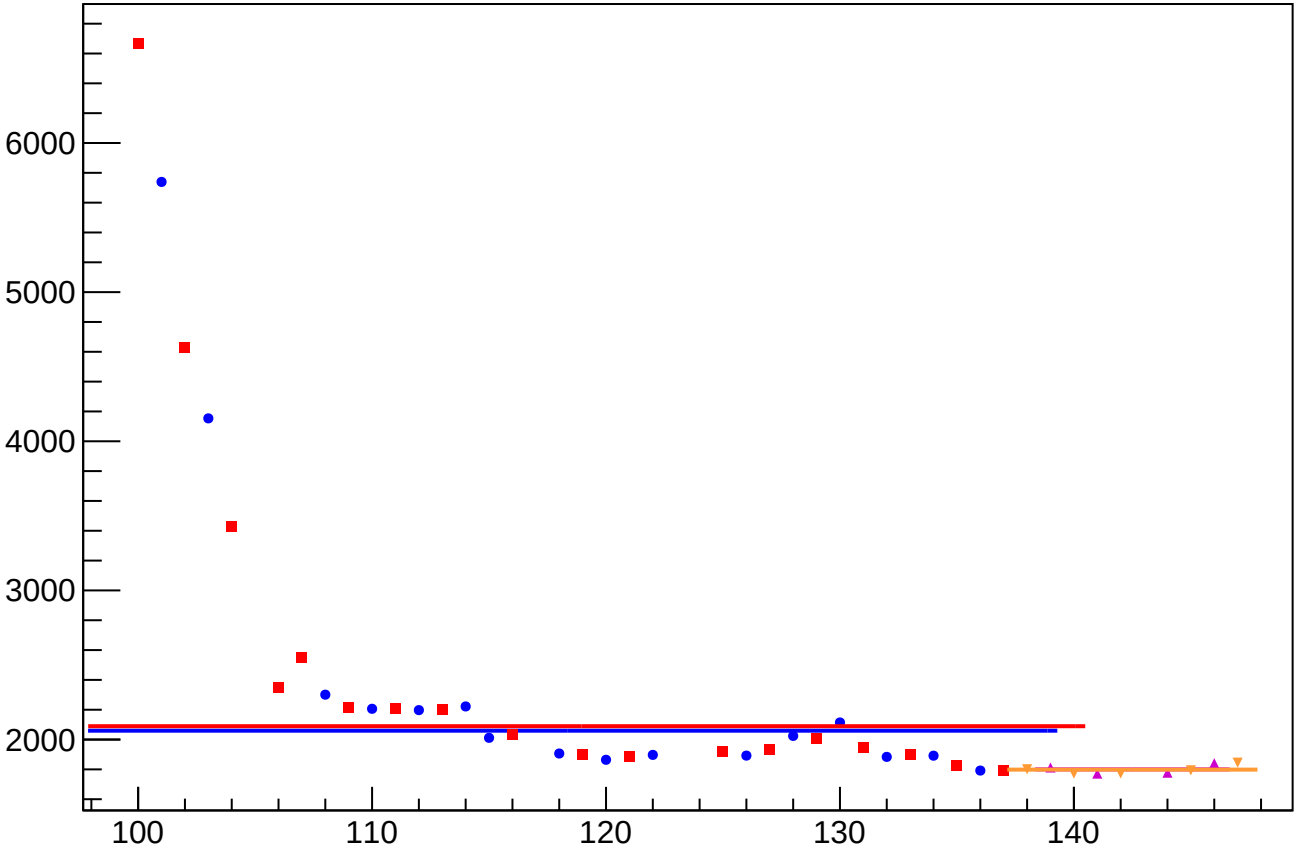
Left In: 1542.512+/-957.619 χ^2/NDF:1.8/3

+ sign -37.704+/-604.042 χ^2/NDF: 25.2/20

All: 248.144+/-429.668 χ^2/NDF: 40.9/42

- sign 540.911+/-611.309 χ^2/NDF: 15.2/21

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1798.405+/-0.661 χ^2/NDF:1632.3/4

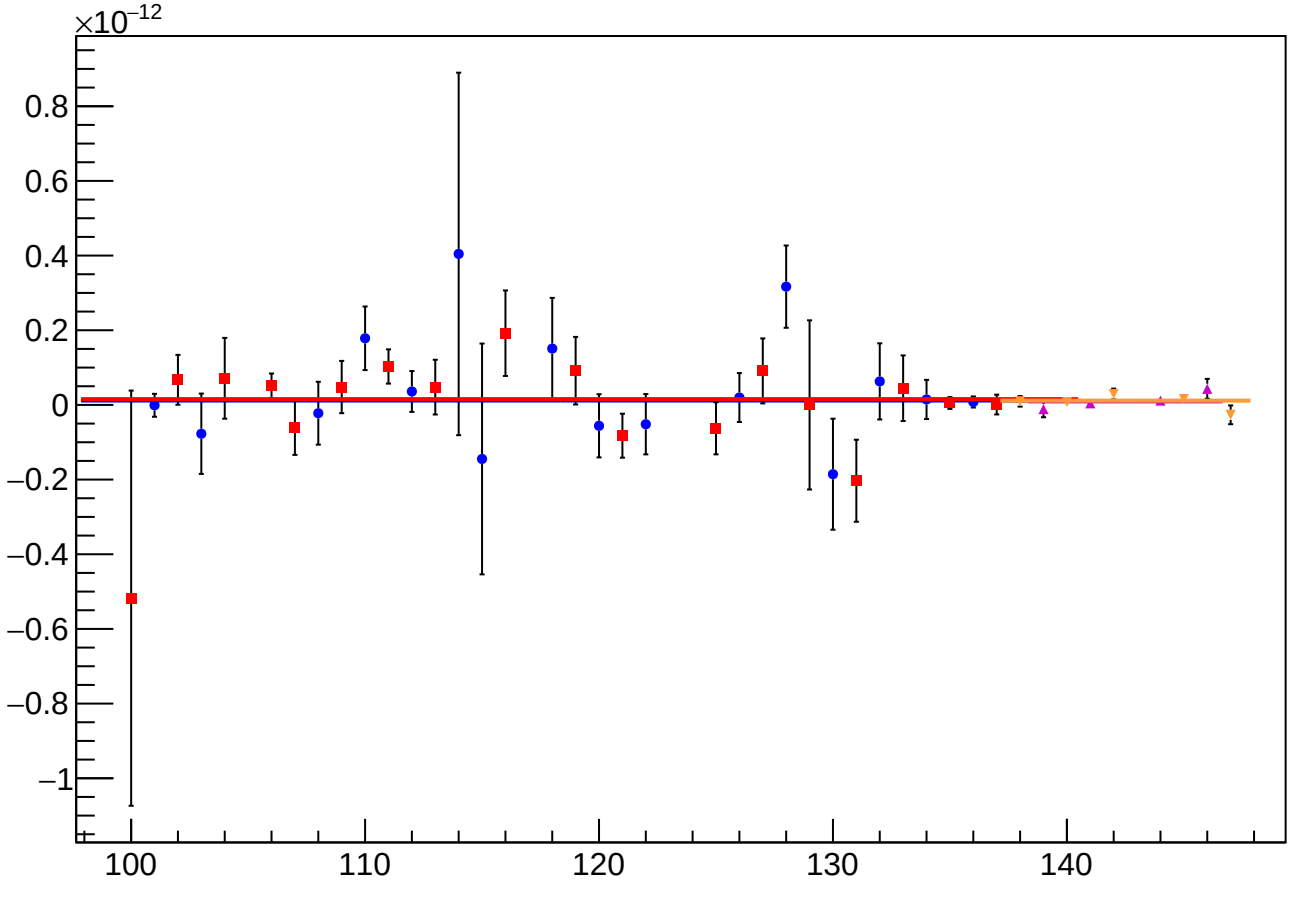
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1800.040+/-0.677 χ^2/NDF:1725.1/3

+ sign 1950.400+/-0.427 χ^2/NDF: 1032399.7/20

All: 1960.838+/-0.304 χ^2/NDF: 1825051.6/42

- sign 1971.529+/-0.432 χ^2/NDF: 791442.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/4

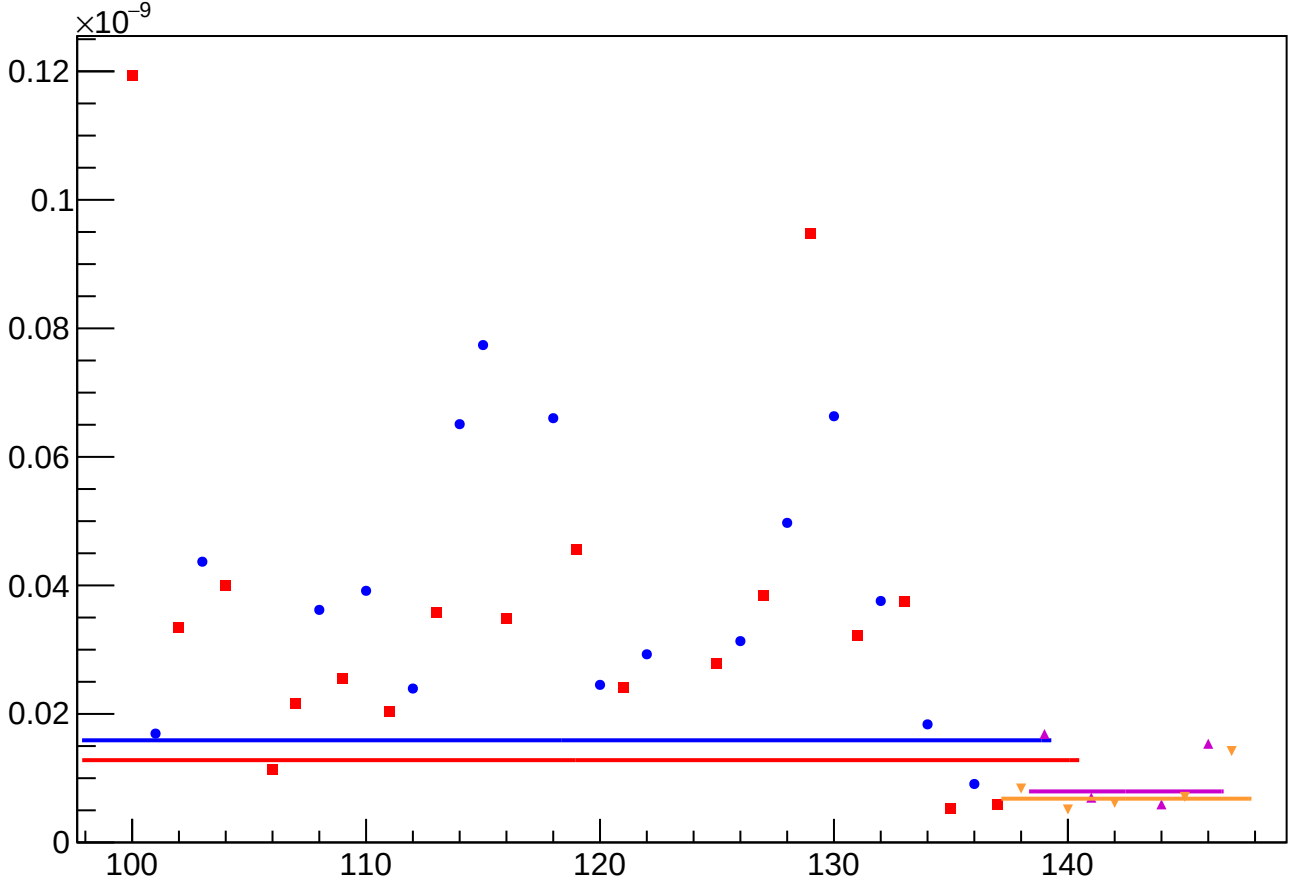
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/20

All: 0.000+/-0.000 χ^2/NDF: 45.8/42

- sign 0.000+/-0.000 χ^2/NDF: 23.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:264786.1/4

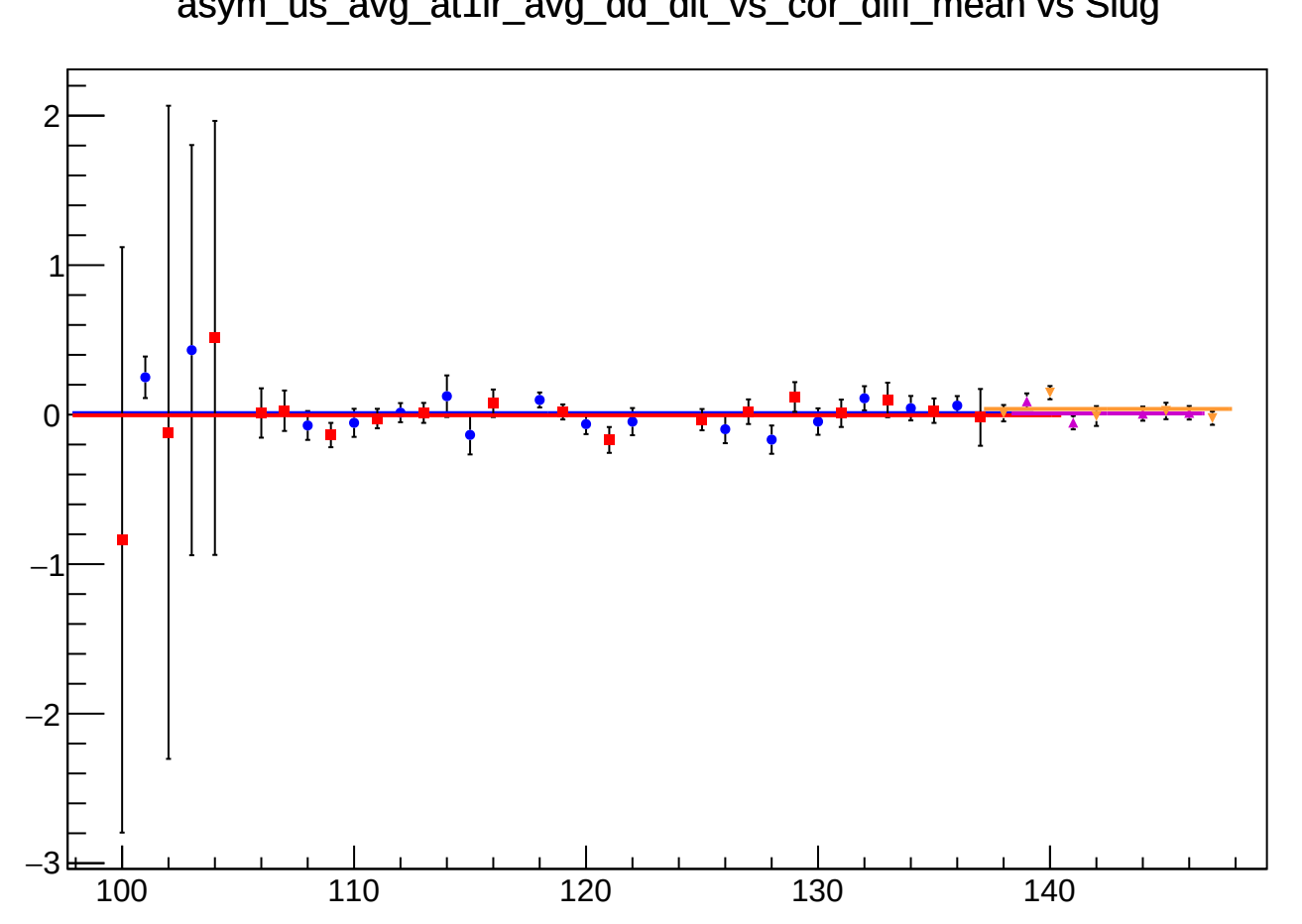
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:593236.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3178050.3/20

All: 0.000+/-0.000 χ^2/NDF: 6566045.8/42

- sign 0.000+/-0.000 χ^2/NDF: 3372485.0/21



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.038+/-0.023 χ^2/NDF:8.7/4

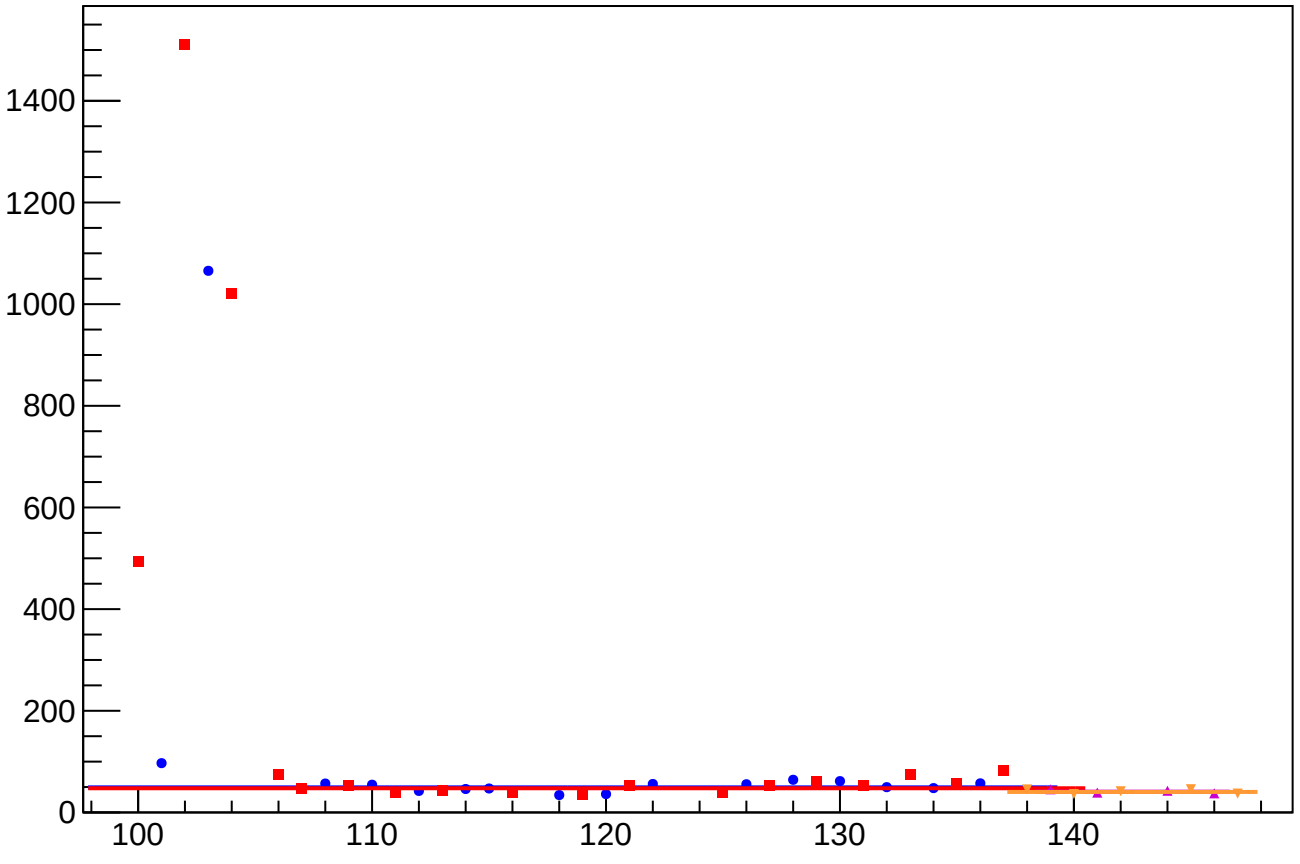
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

\+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/42

\- sign 0.002+/-0.016 χ^2/NDF: 14.9/21



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.369+/-0.016 χ^2/NDF:62052.8/4

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

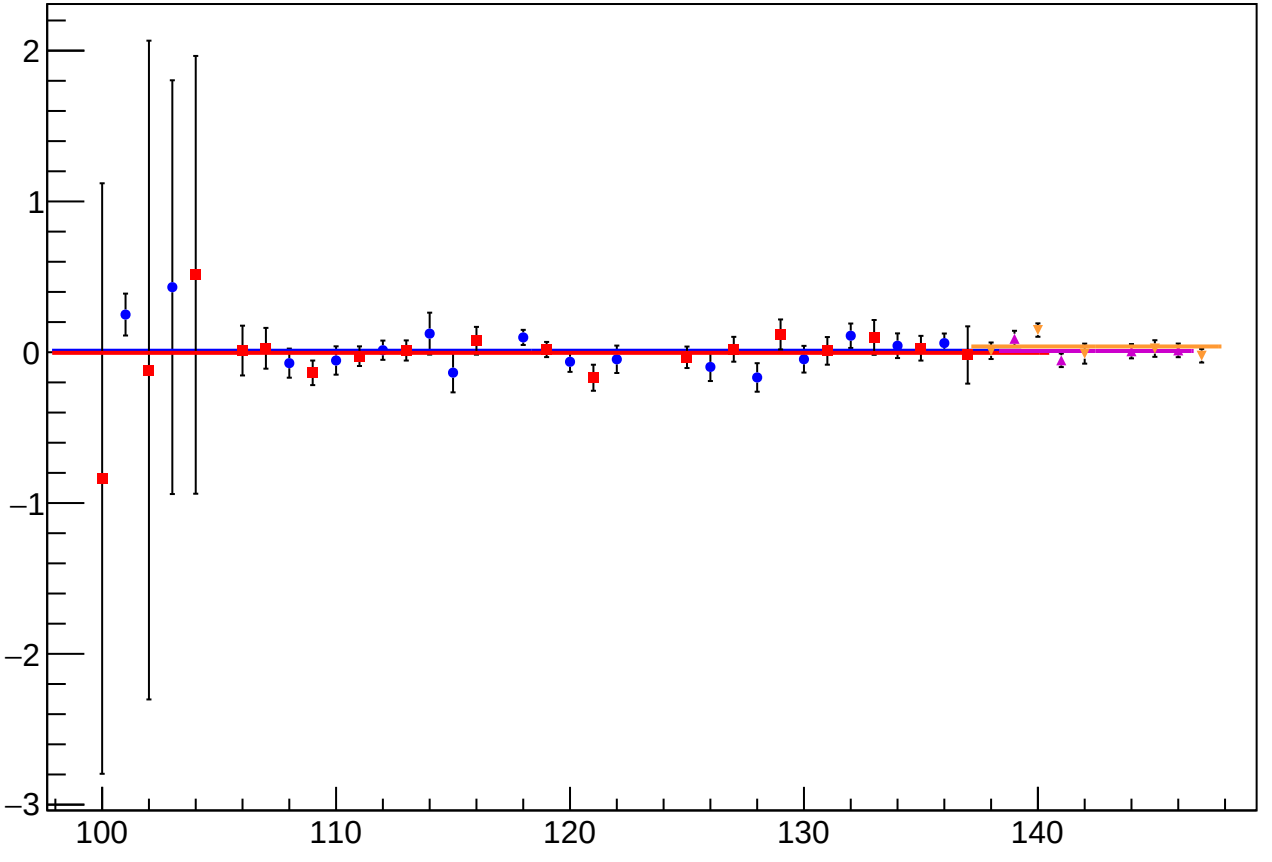
Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

+ sign 45.275+/-0.011 χ^2/NDF: 2004721.4/20

All: 44.934+/-0.008 χ^2/NDF: 4545354.9/42

- sign 44.576+/-0.011 χ^2/NDF: 2538657.0/21

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: 0.038+/-0.023 χ^2/NDF:8.7/4

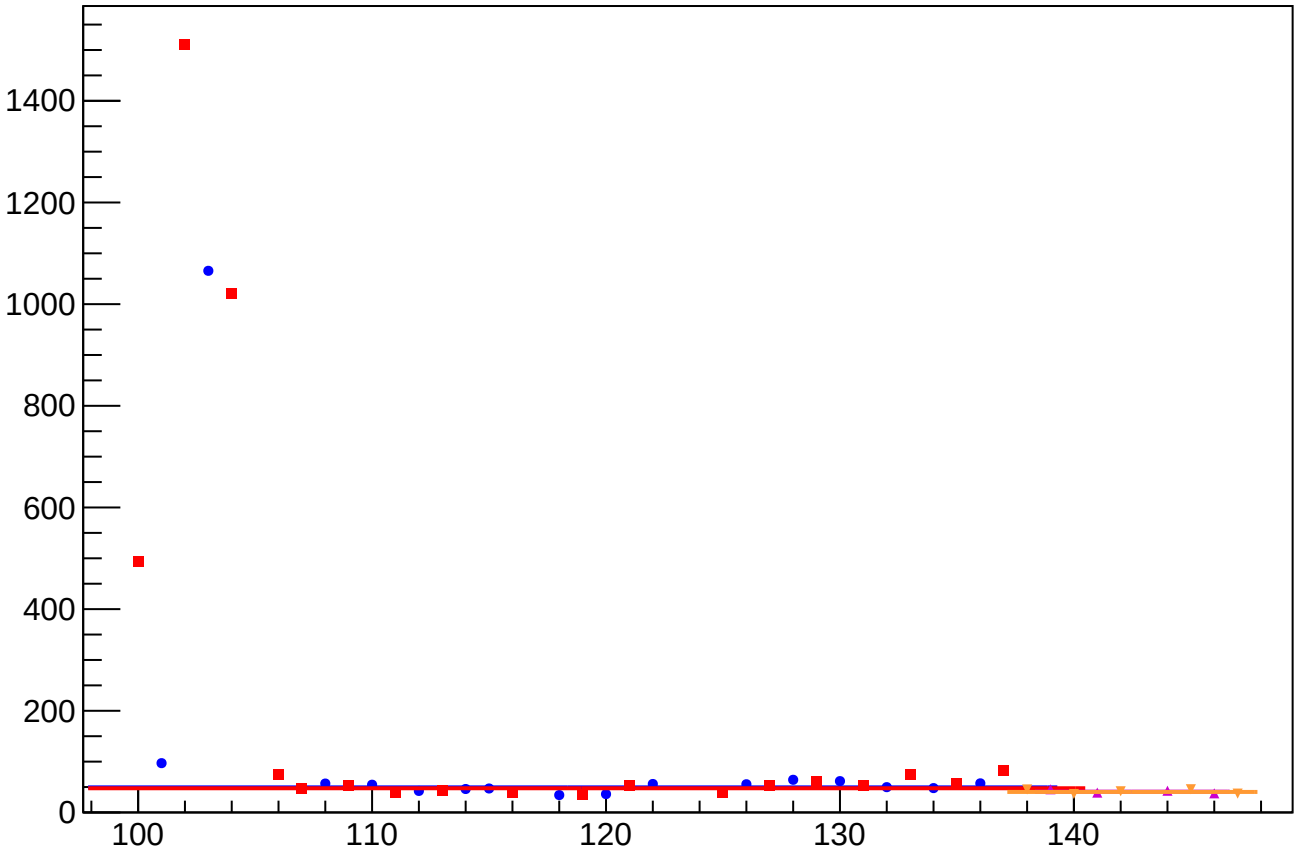
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/42

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.369+/-0.016 χ^2/NDF:62052.8/4

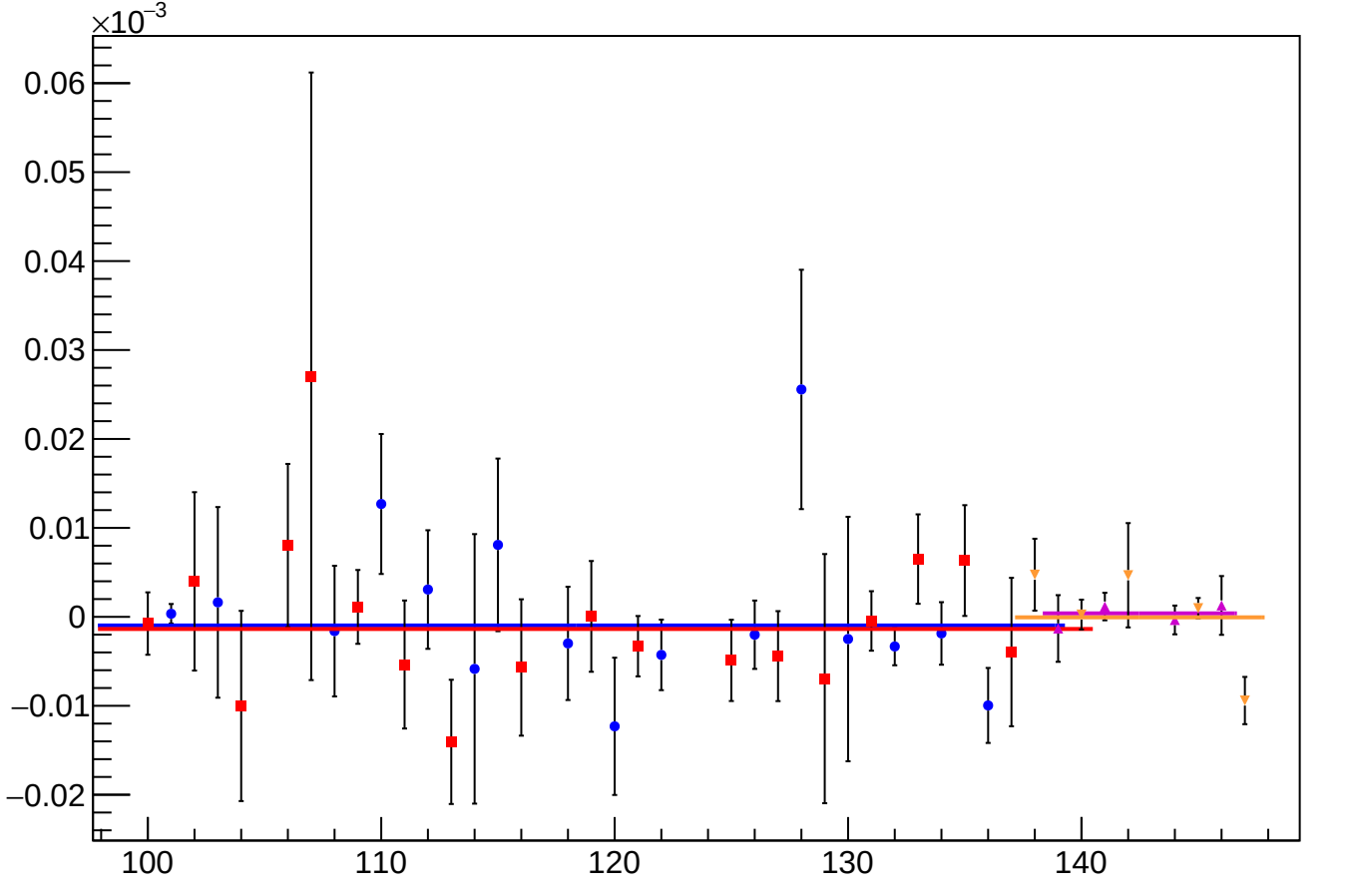
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

+ sign 45.275+/-0.011 χ^2/NDF: 2004721.4/20

All: 44.934+/-0.008 χ^2/NDF: 4545354.9/42

- sign 44.576+/-0.011 χ^2/NDF: 2538657.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

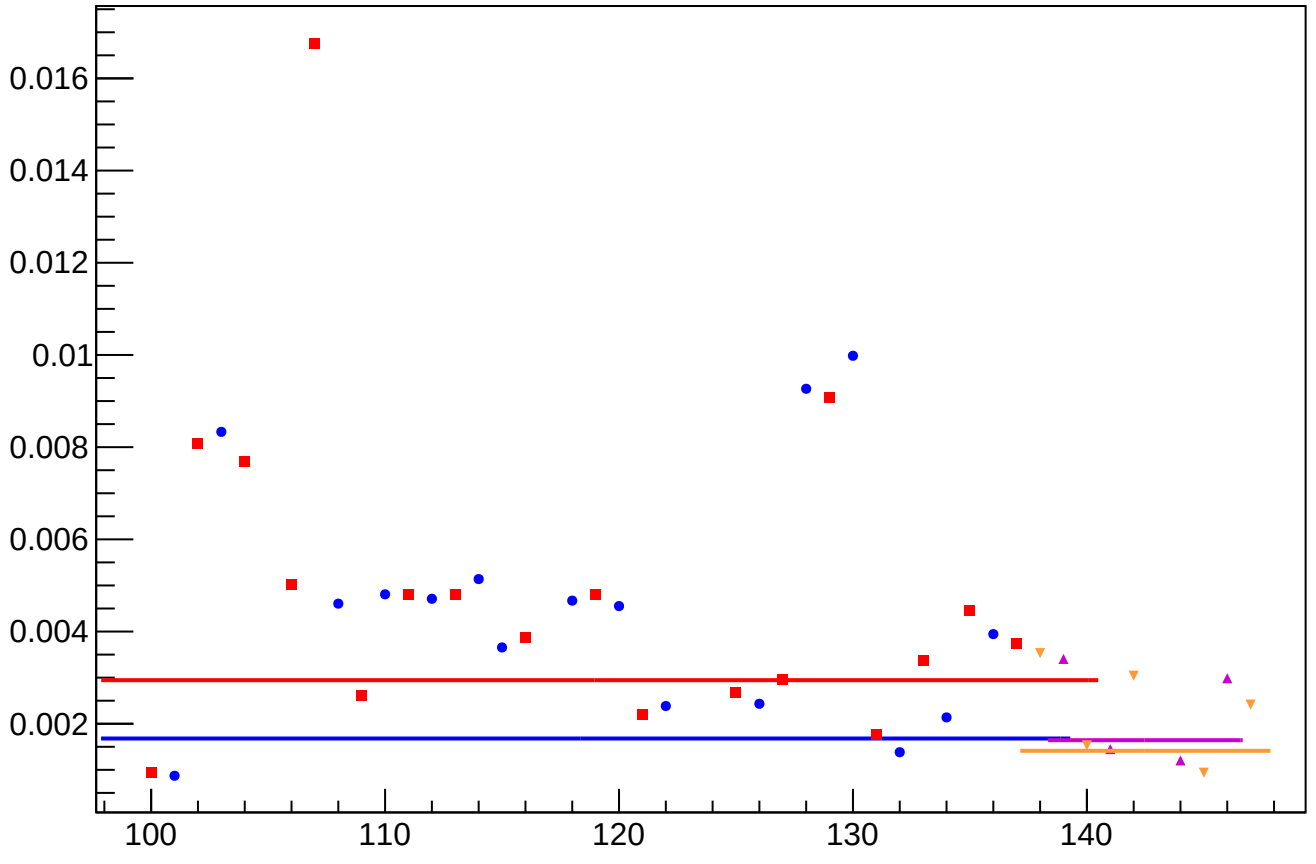
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/20

All: -0.000+/-0.000 χ^2/NDF: 49.1/42

- sign -0.000+/-0.000 χ^2/NDF: 14.5/21



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1341631.7/4

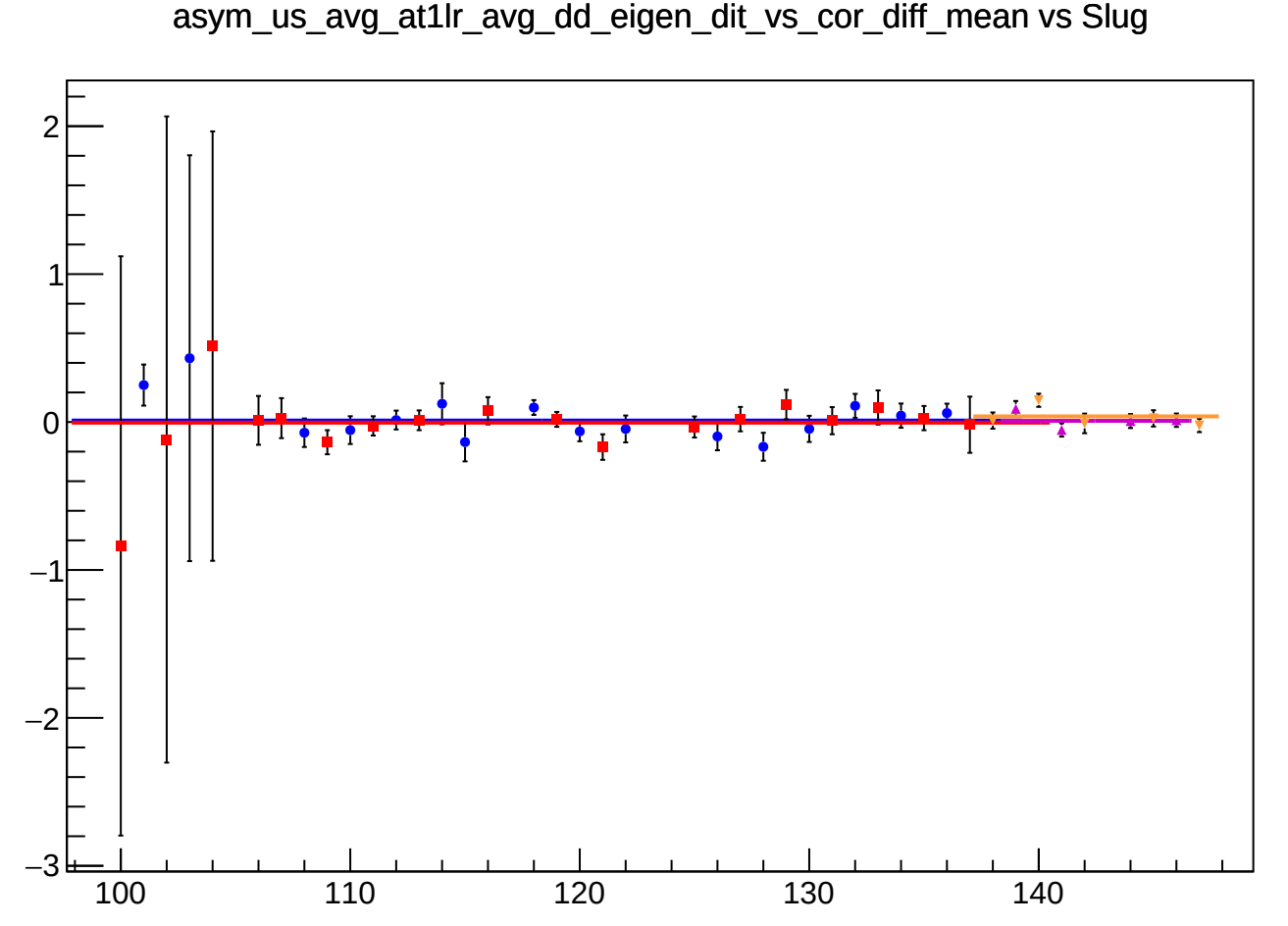
Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:951641.8/3

+ sign 0.002+/-0.000 χ^2/NDF: 7401253.9/20

All: 0.002+/-0.000 χ^2/NDF: 13692209.3/42

- sign 0.002+/-0.000 χ^2/NDF: 5586757.1/21



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.038+/-0.023 χ^2/NDF:8.7/4

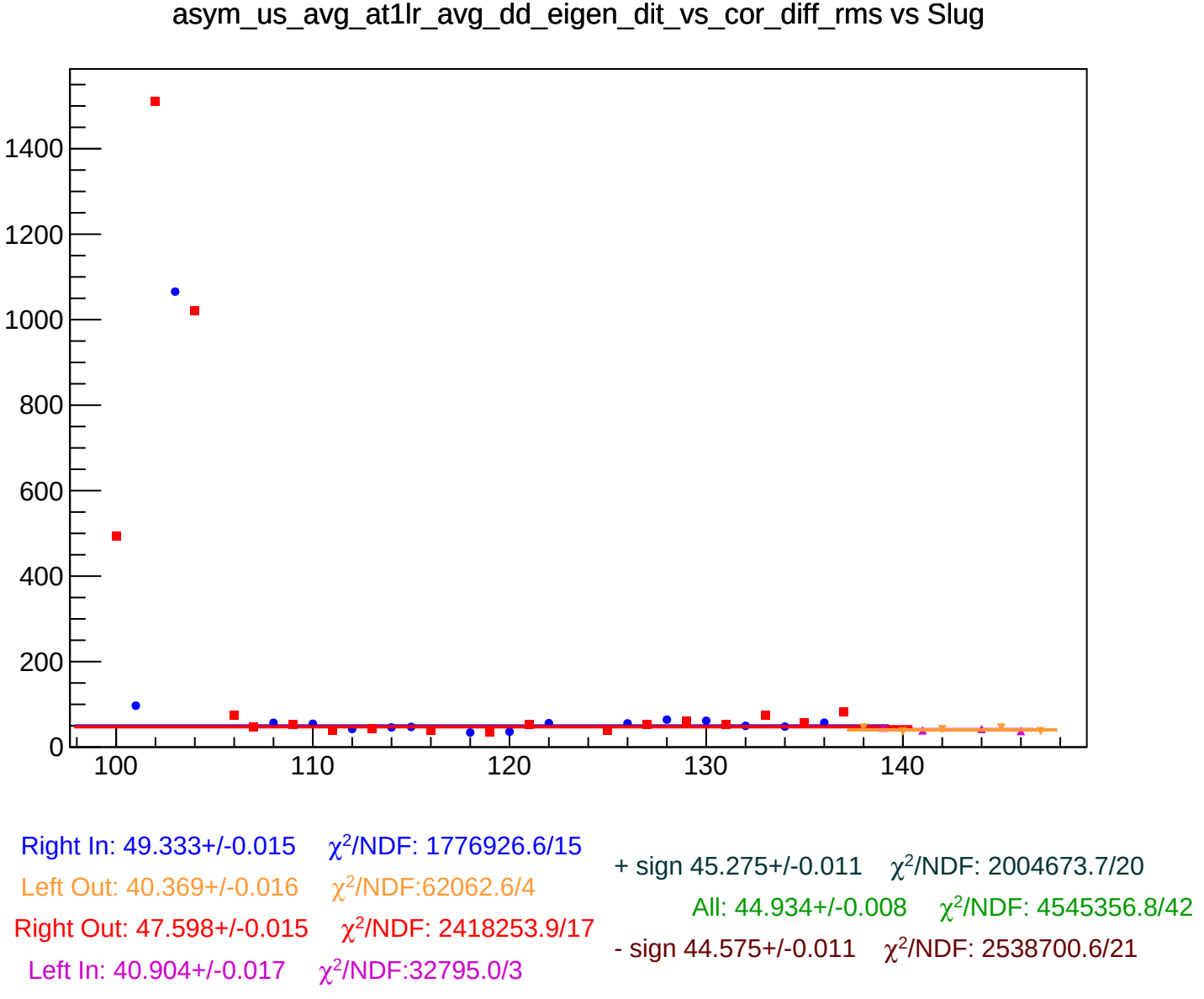
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

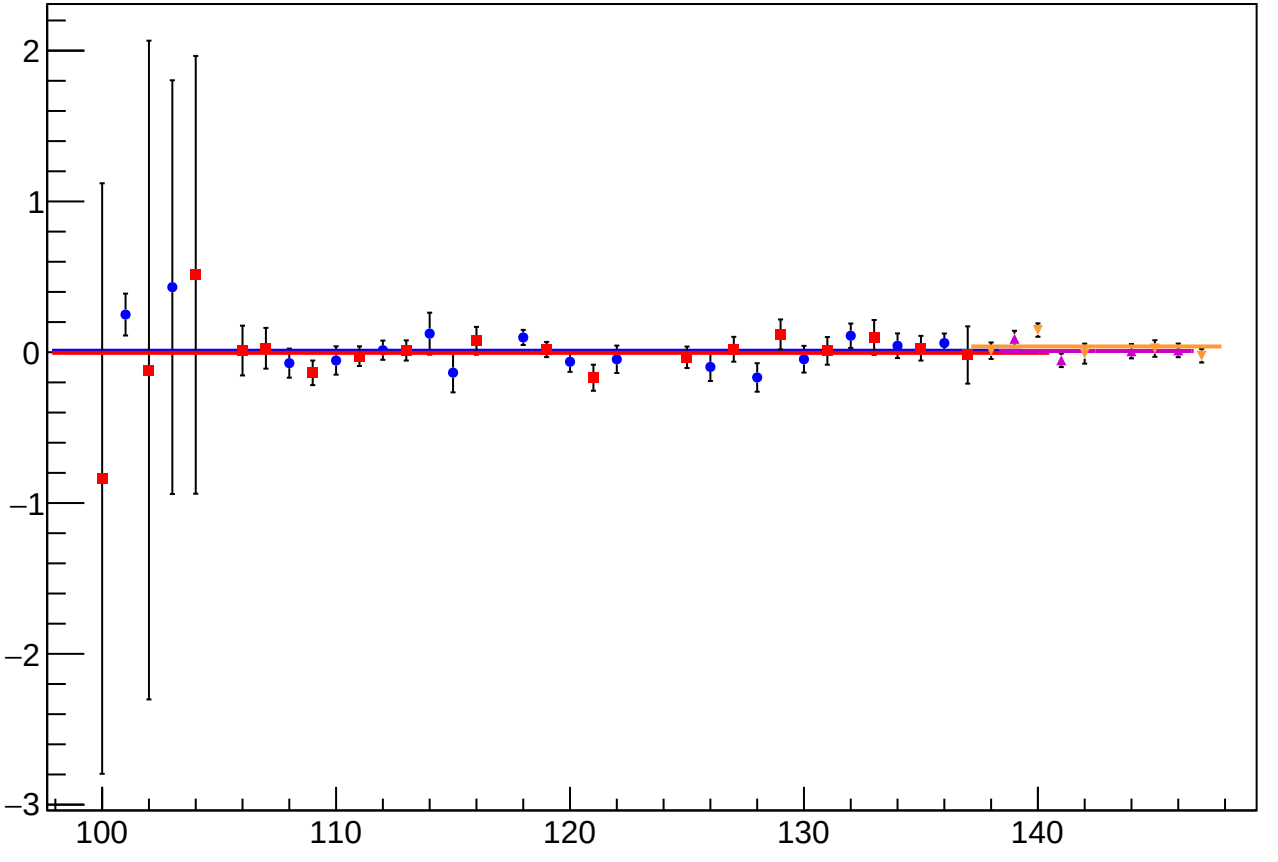
+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/42

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 40.369+/-0.016 χ²/NDF:62062.6/4
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 40.904+/-0.017 χ²/NDF:32795.0/3
+ sign 45.275+/-0.011 χ²/NDF: 2004673.7/20
All: 44.934+/-0.008 χ²/NDF: 4545356.8/42
- sign 44.575+/-0.011 χ²/NDF: 2538700.6/21

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

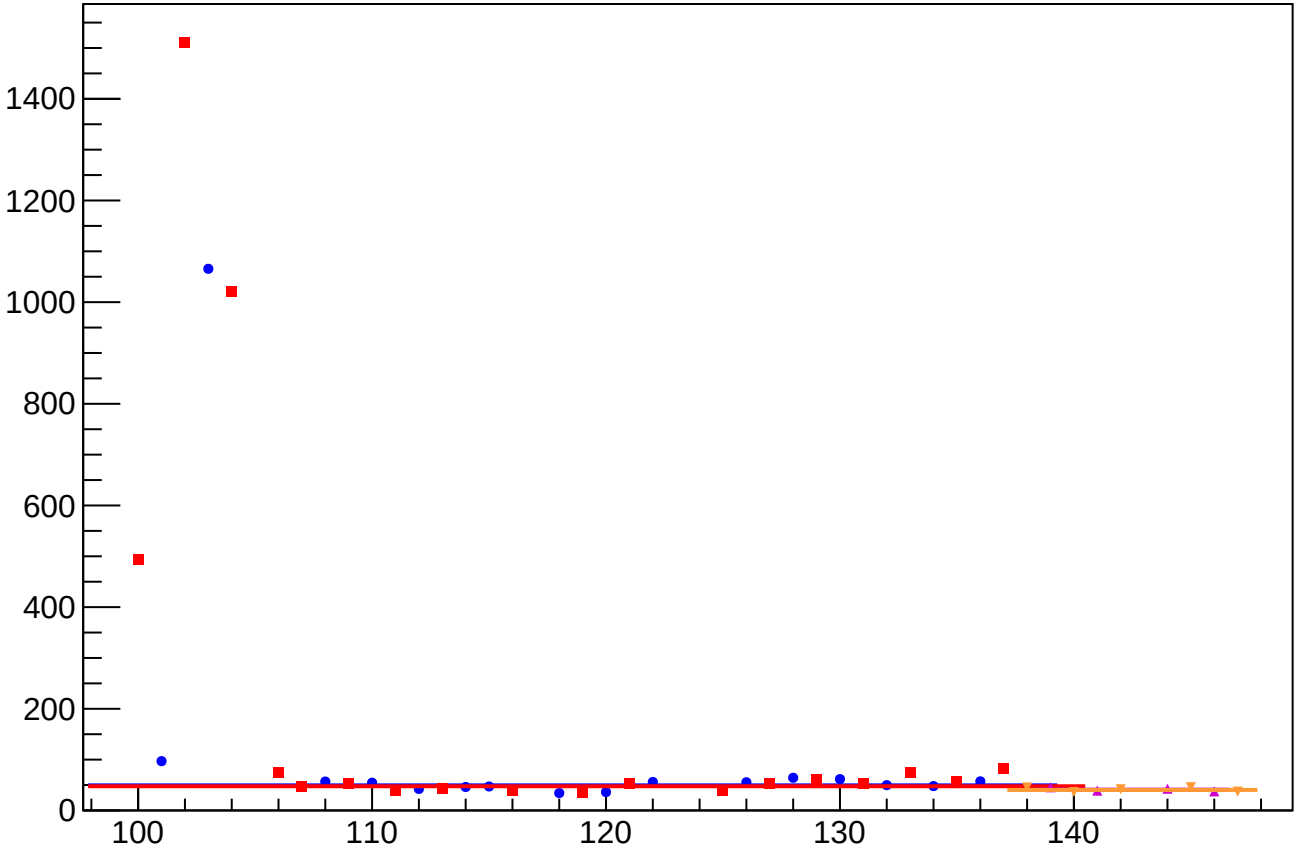
Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/42

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 40.369+/-0.016 χ^2/NDF:62062.6/4

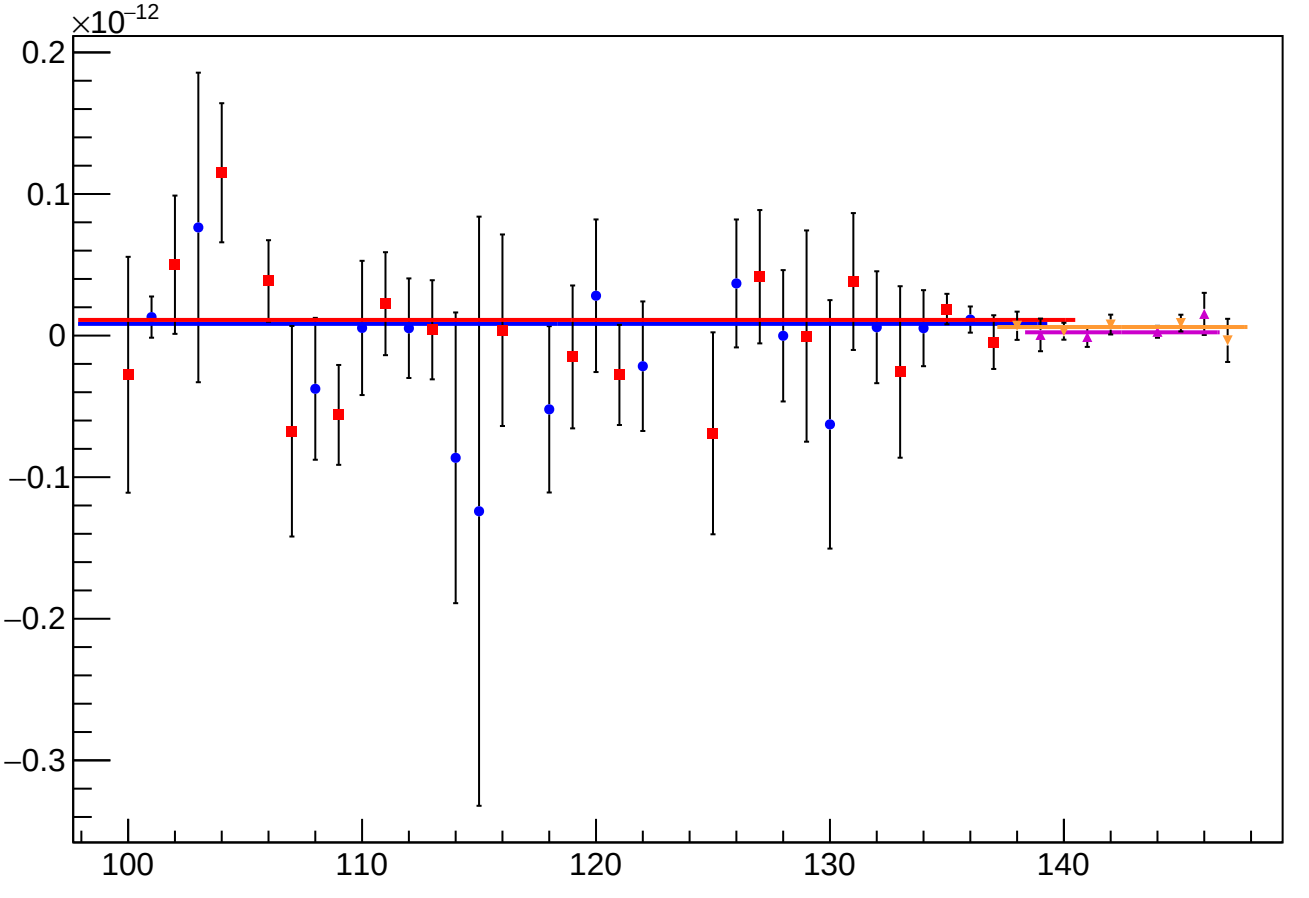
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 40.904+/-0.017 χ^2/NDF:32795.0/3

+ sign 45.275+/-0.011 χ^2/NDF: 2004673.7/20

All: 44.934+/-0.008 χ^2/NDF: 4545356.8/42

- sign 44.575+/-0.011 χ^2/NDF: 2538700.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

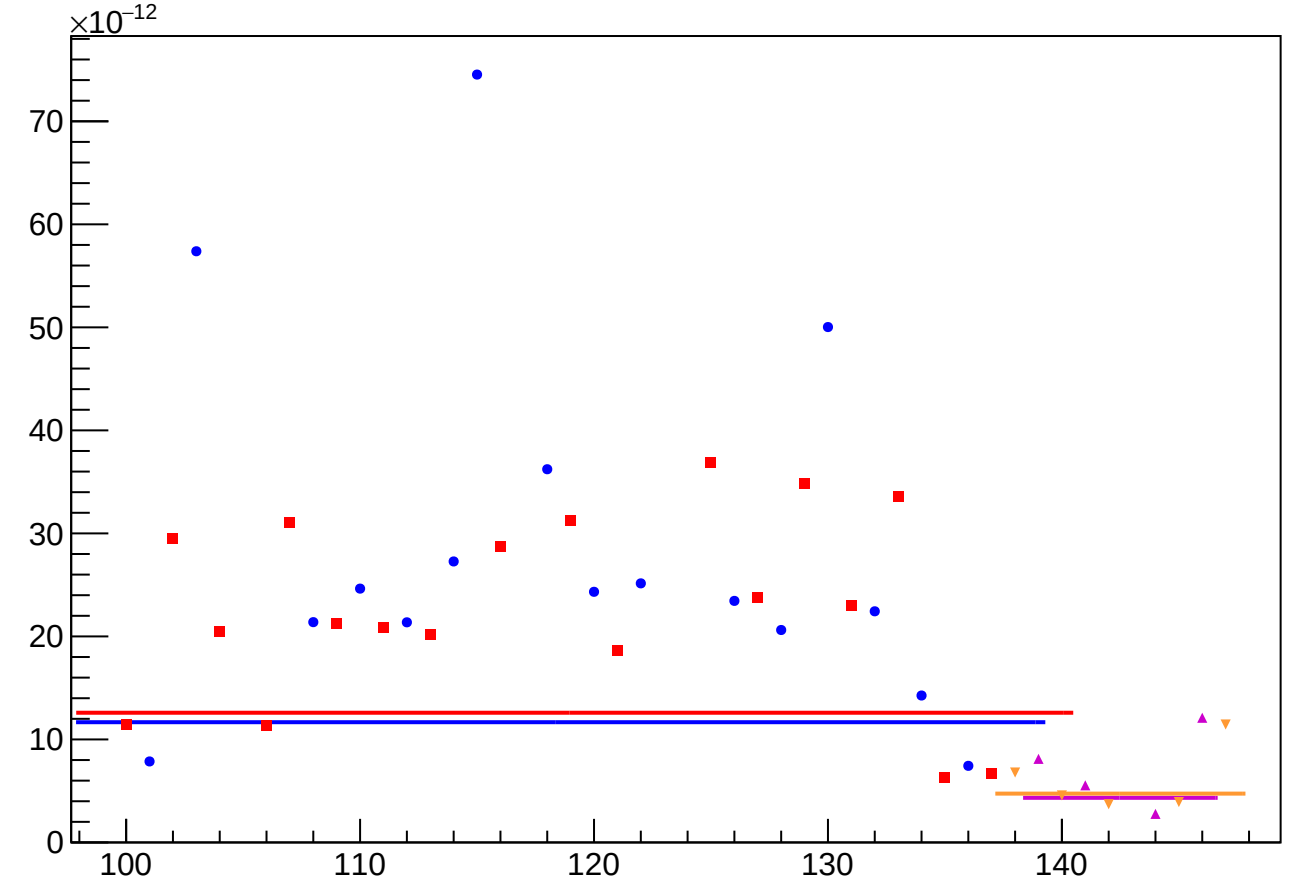
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 6.4/20

All: 0.000+/-0.000 χ^2/NDF: 25.2/42

- sign 0.000+/-0.000 χ^2/NDF: 18.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:555374.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

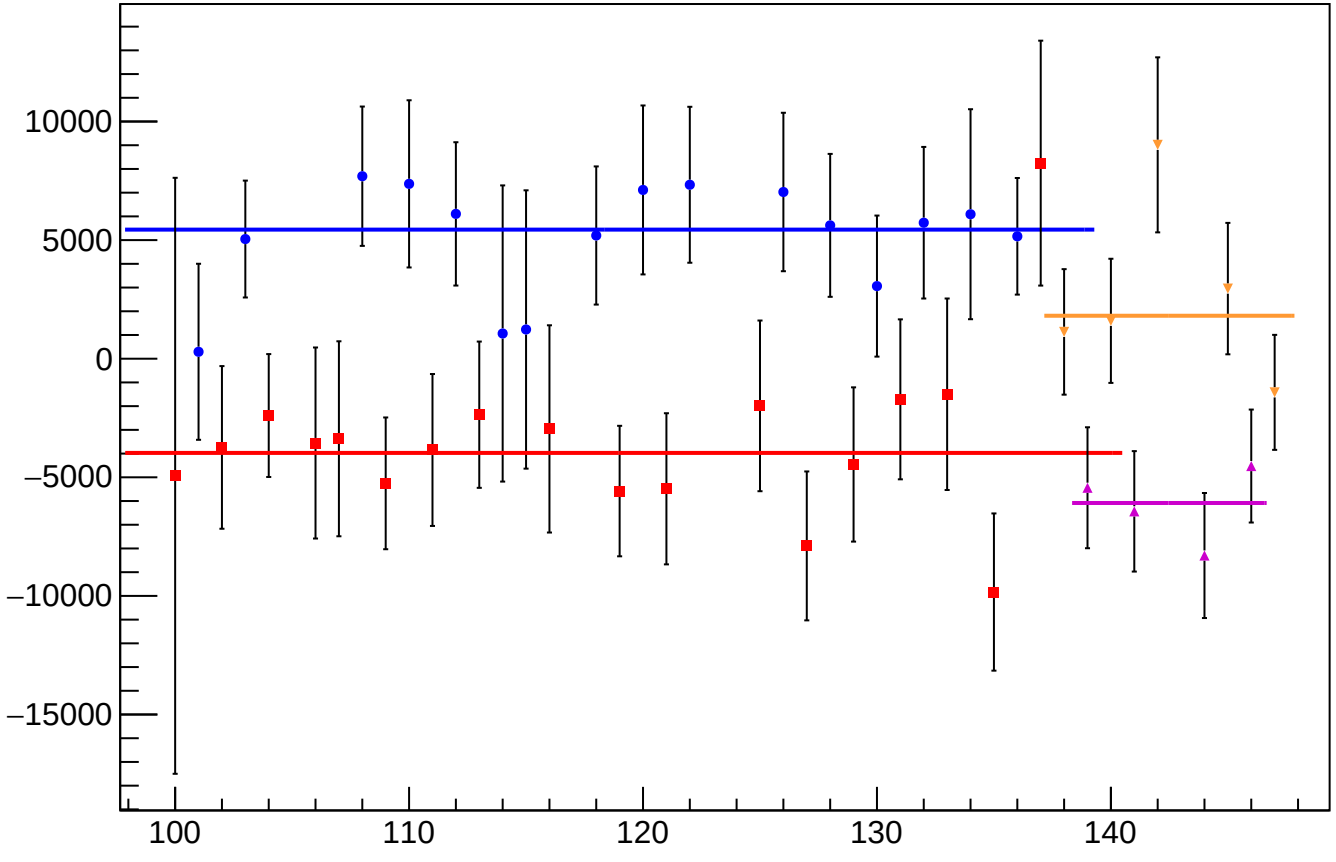
Left In: 0.000+/-0.000 χ^2/NDF:1095863.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5196499.3/20

All: 0.000+/-0.000 χ^2/NDF: 11374721.5/42

- sign 0.000+/-0.000 χ^2/NDF: 6167618.2/21

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.339+/-1228.286 χ^2/NDF:5.8/4

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

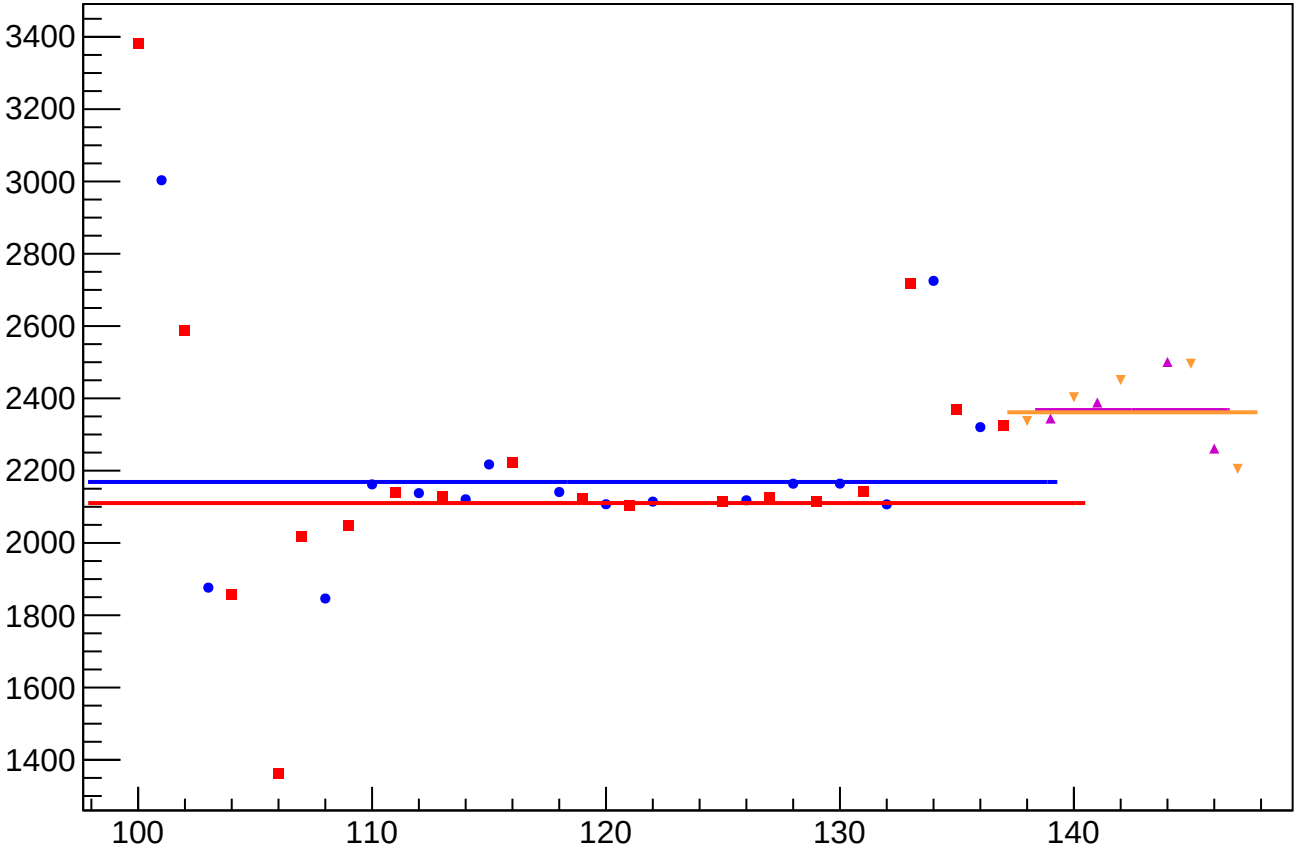
Left In: -6082.588+/-1260.601 χ^2/NDF:1.2/3

+ sign 4337.063+/-677.675 χ^2/NDF: 17.3/20

All: -104.250+/-480.313 χ^2/NDF: 119.8/42

- sign -4587.514+/-680.868 χ^2/NDF: 16.2/21

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

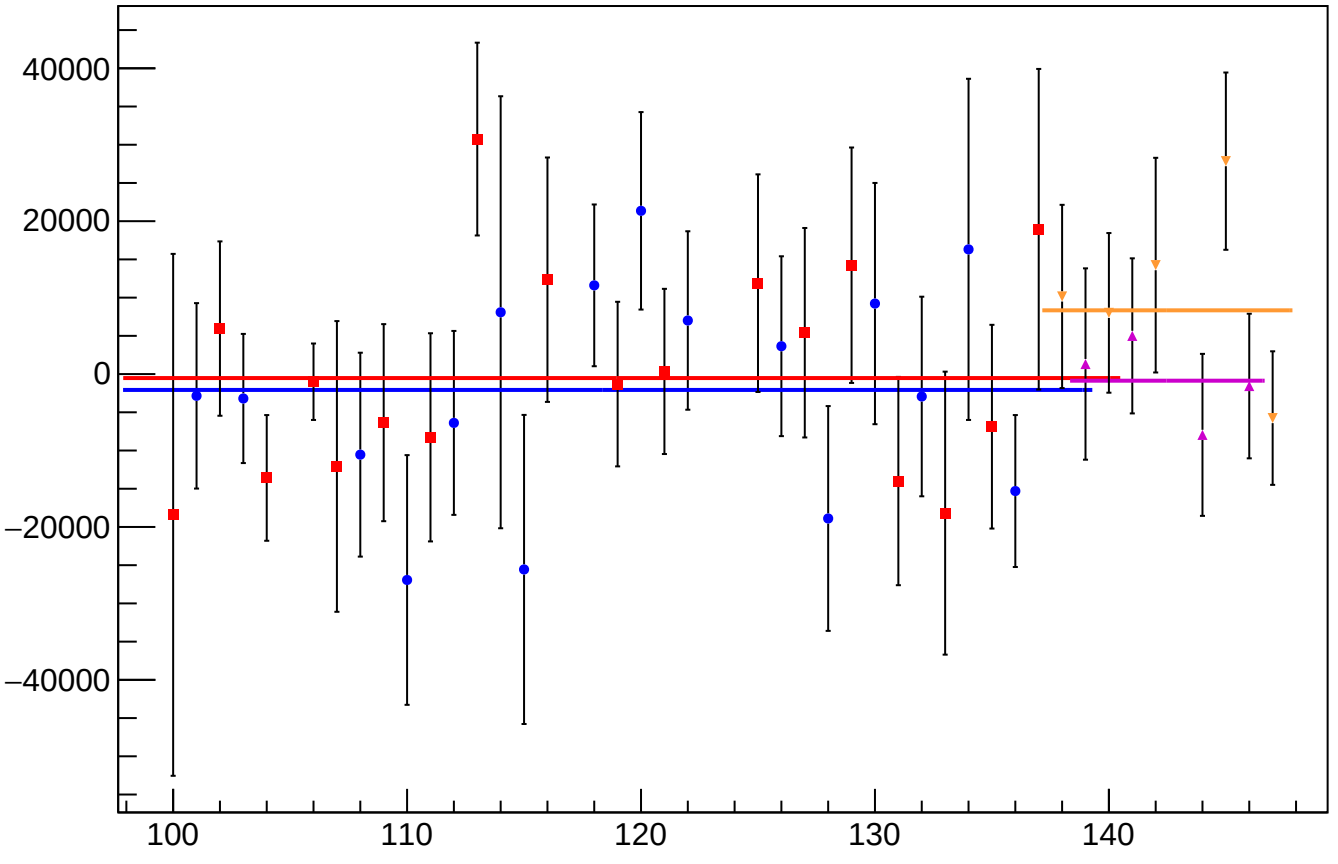
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2227.390+/-0.479 χ^2/NDF: 244800.7/20

All: 2205.422+/-0.338 χ^2/NDF: 585376.6/42

- sign 2183.745+/-0.476 χ^2/NDF: 336400.2/21



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 8338.433+/-4894.311 χ^2/NDF:5.6/4

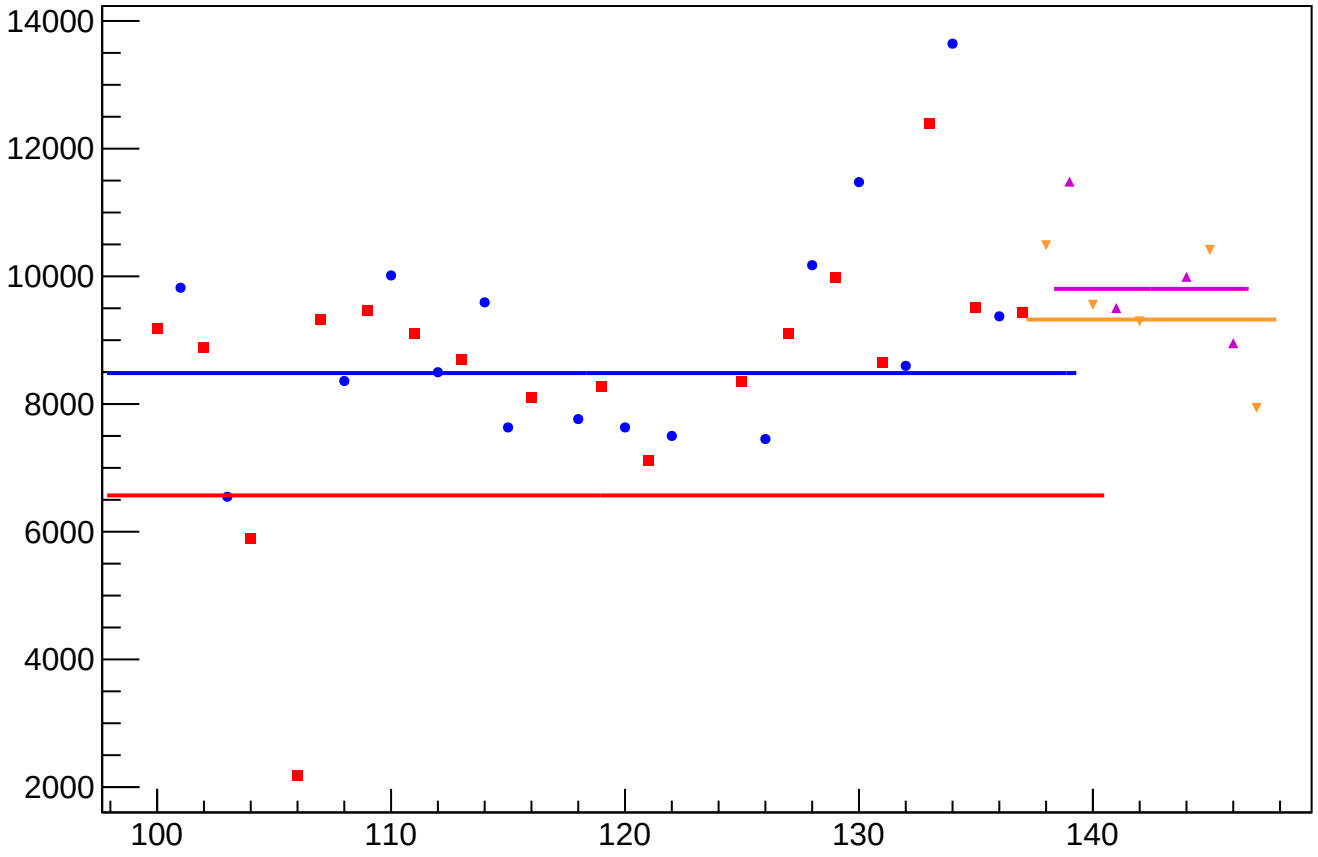
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -866.082+/-5256.886 χ^2/NDF:0.8/3

+ sign 1060.077+/-2685.413 χ^2/NDF: 23.2/20

All: 144.779+/-1794.726 χ^2/NDF: 39.9/42

- sign -594.047+/-2412.686 χ^2/NDF: 16.5/21



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9323.500+/-3.461 χ^2/NDF:87682.9/4

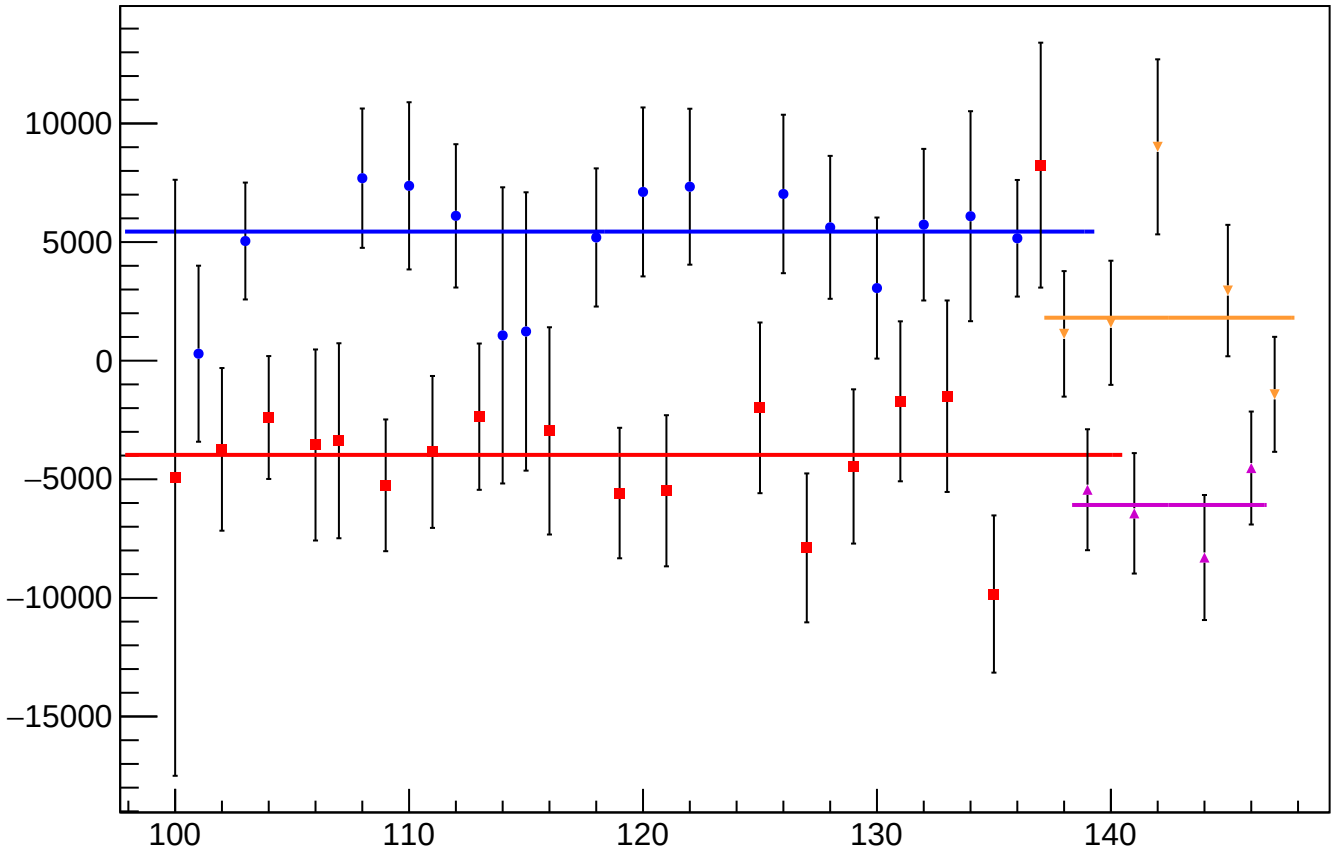
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9804.026+/-3.717 χ^2/NDF:54648.6/3

+ sign 8737.430+/-1.899 χ^2/NDF: 551418.7/20

All: 7914.483+/-1.269 χ^2/NDF: 4112361.0/42

- sign 7250.203+/-1.706 χ^2/NDF: 3221506.8/21



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

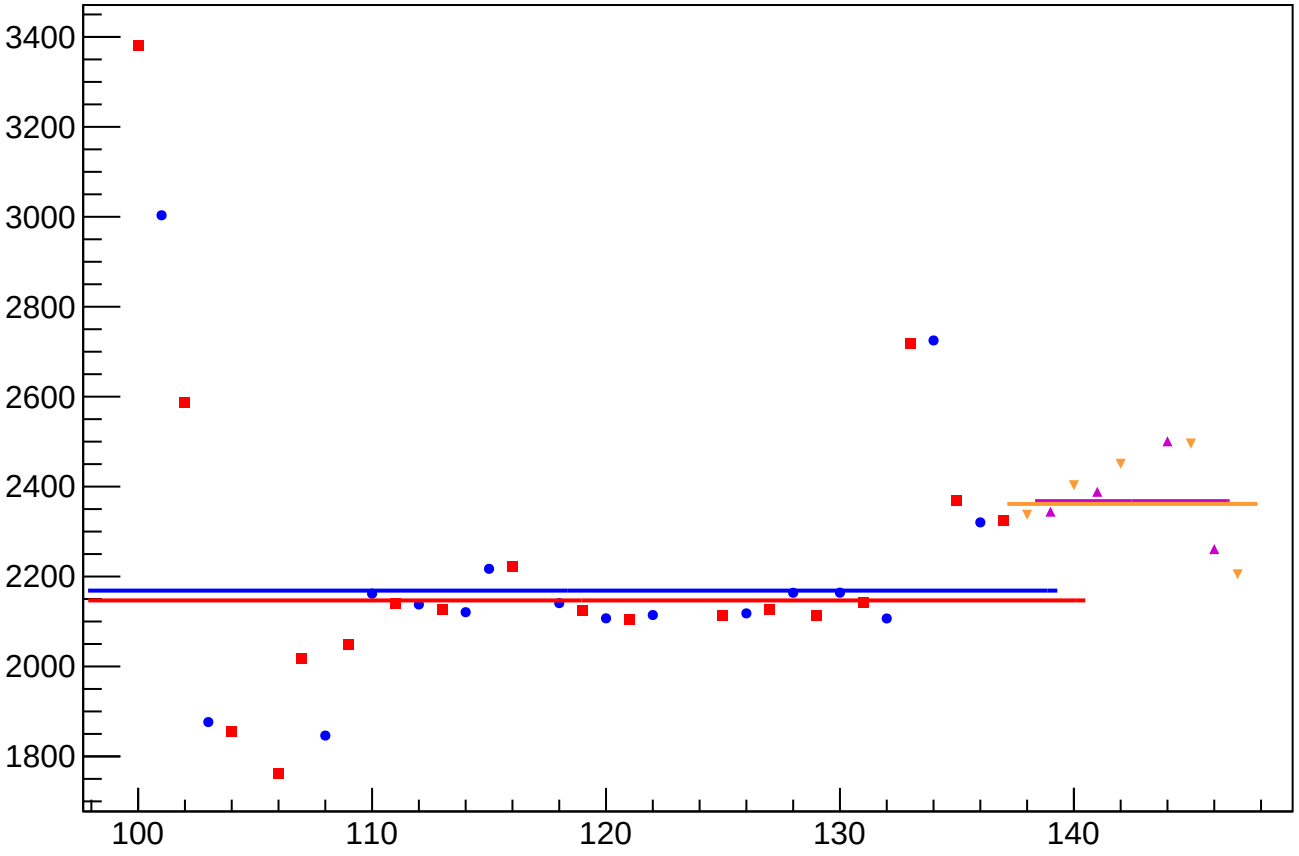
Left In: -6082.898+/-1260.601 χ^2/NDF:1.2/3

+ sign 4337.203+/-677.675 χ^2/NDF: 17.3/20

All: -104.134+/-480.313 χ^2/NDF: 119.8/42

- sign -4587.421+/-680.868 χ^2/NDF: 16.2/21

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

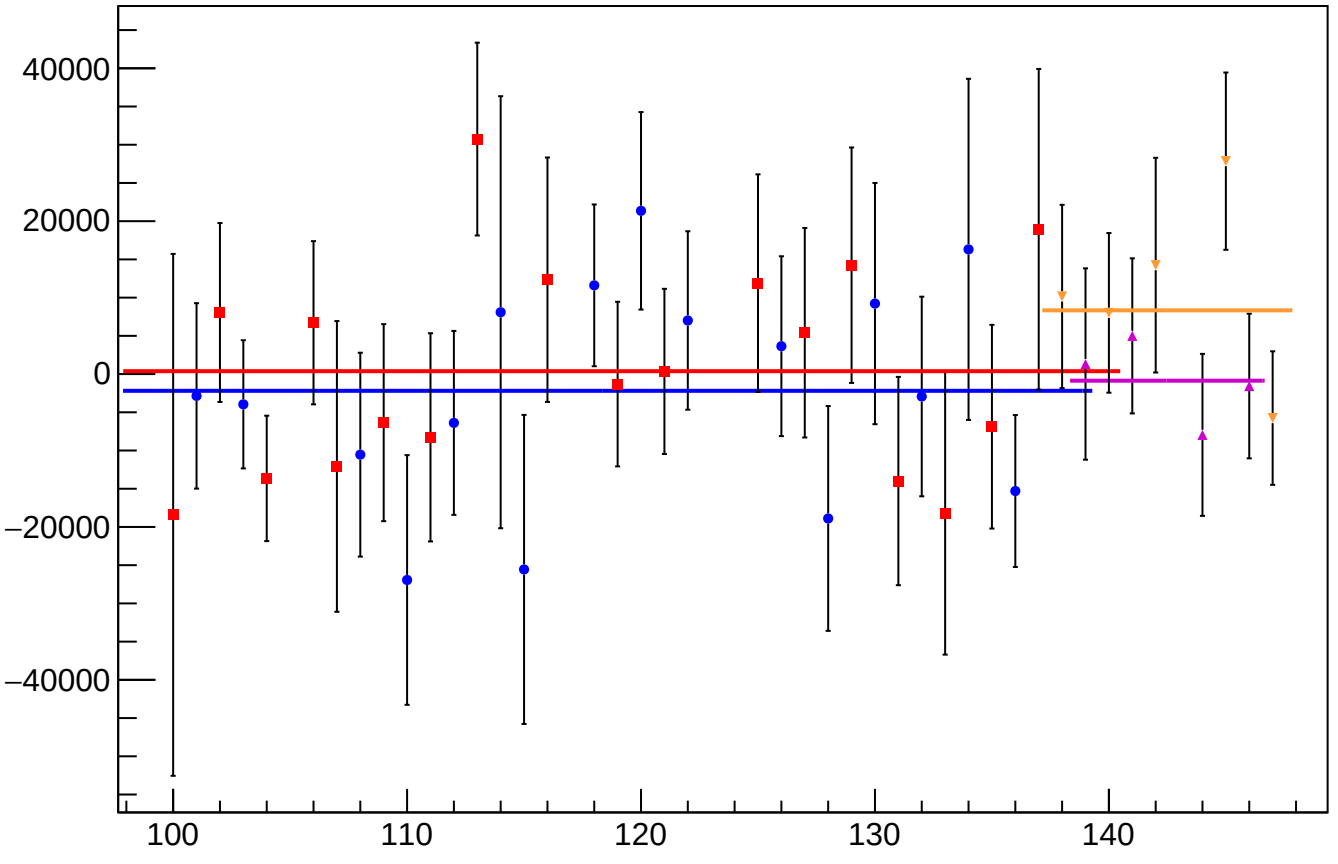
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2227.390+/-0.479 χ^2/NDF: 244801.1/20

All: 2219.131+/-0.339 χ^2/NDF: 456144.5/42

- sign 2210.852+/-0.480 χ^2/NDF: 210748.5/21



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8338.504+/-4894.306 χ^2/NDF:5.6/4

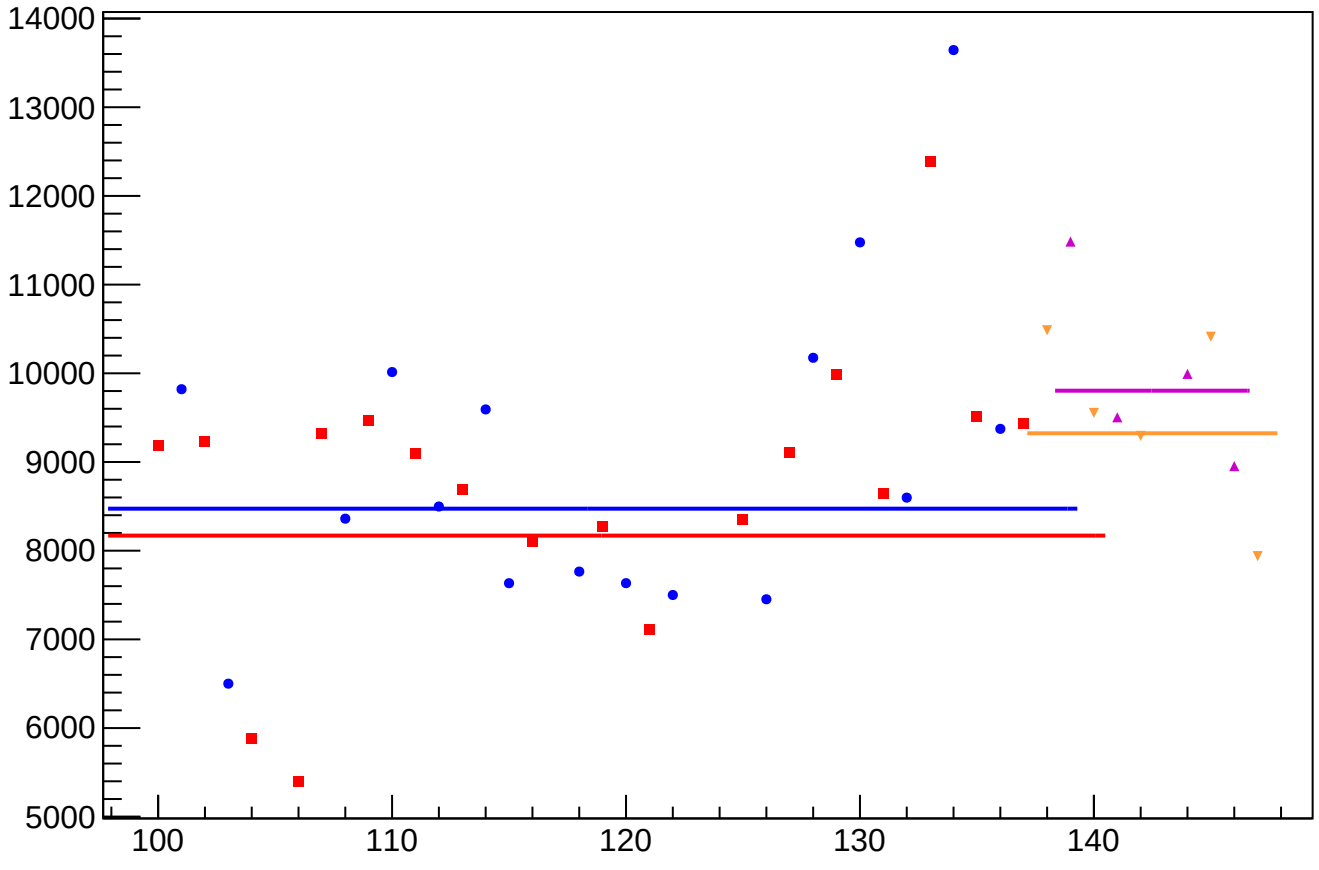
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -866.165+/-5256.883 χ^2/NDF:0.8/3

+ sign 975.209+/-2683.325 χ^2/NDF: 23.3/20

All: 514.316+/-1892.758 χ^2/NDF: 40.5/42

- sign 57.902+/-2670.252 χ^2/NDF: 17.2/21



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

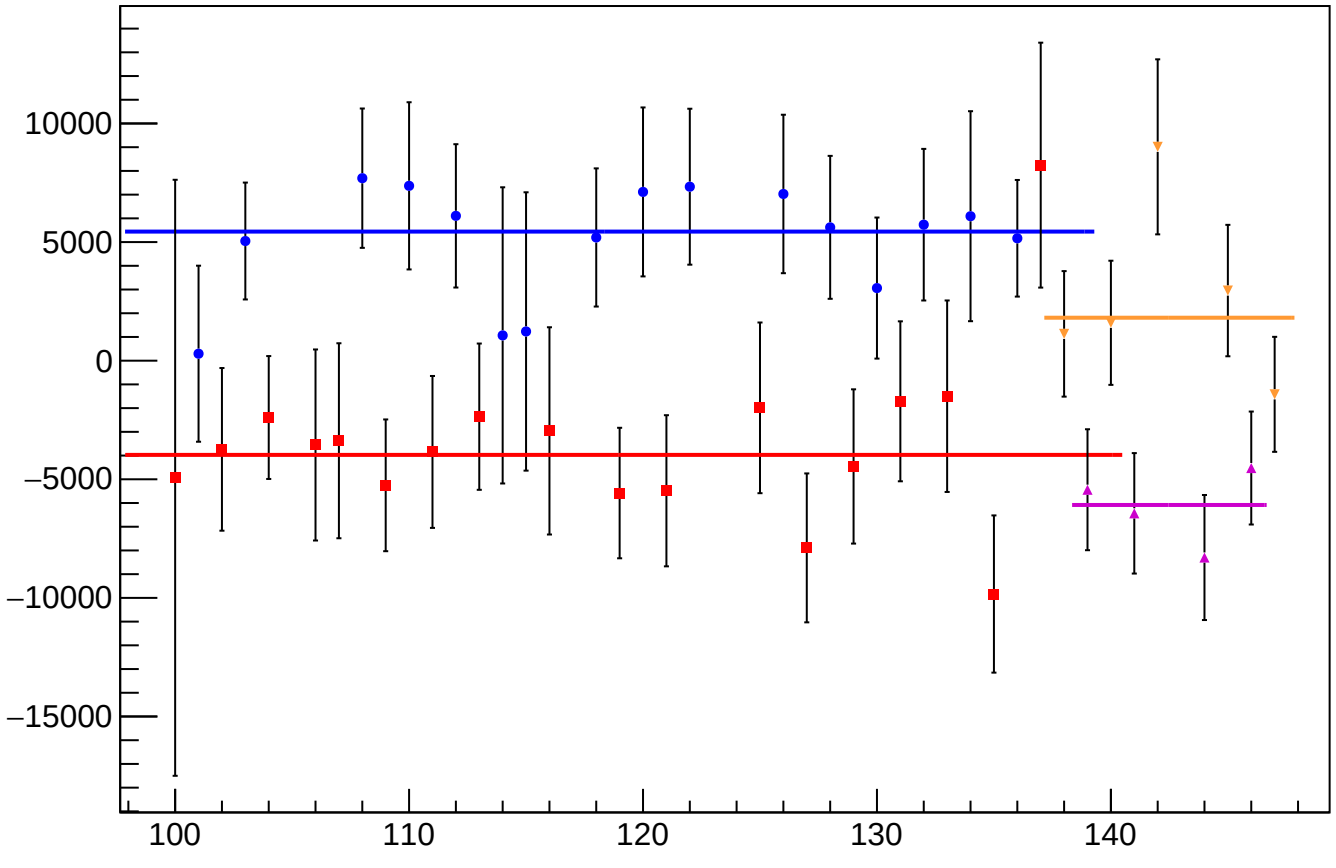
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

+ sign 8729.163+/-1.897 χ^2/NDF: 559394.9/20

All: 8660.058+/-1.338 χ^2/NDF: 1299982.3/42

- sign 8591.625+/-1.888 χ^2/NDF: 737947.4/21



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

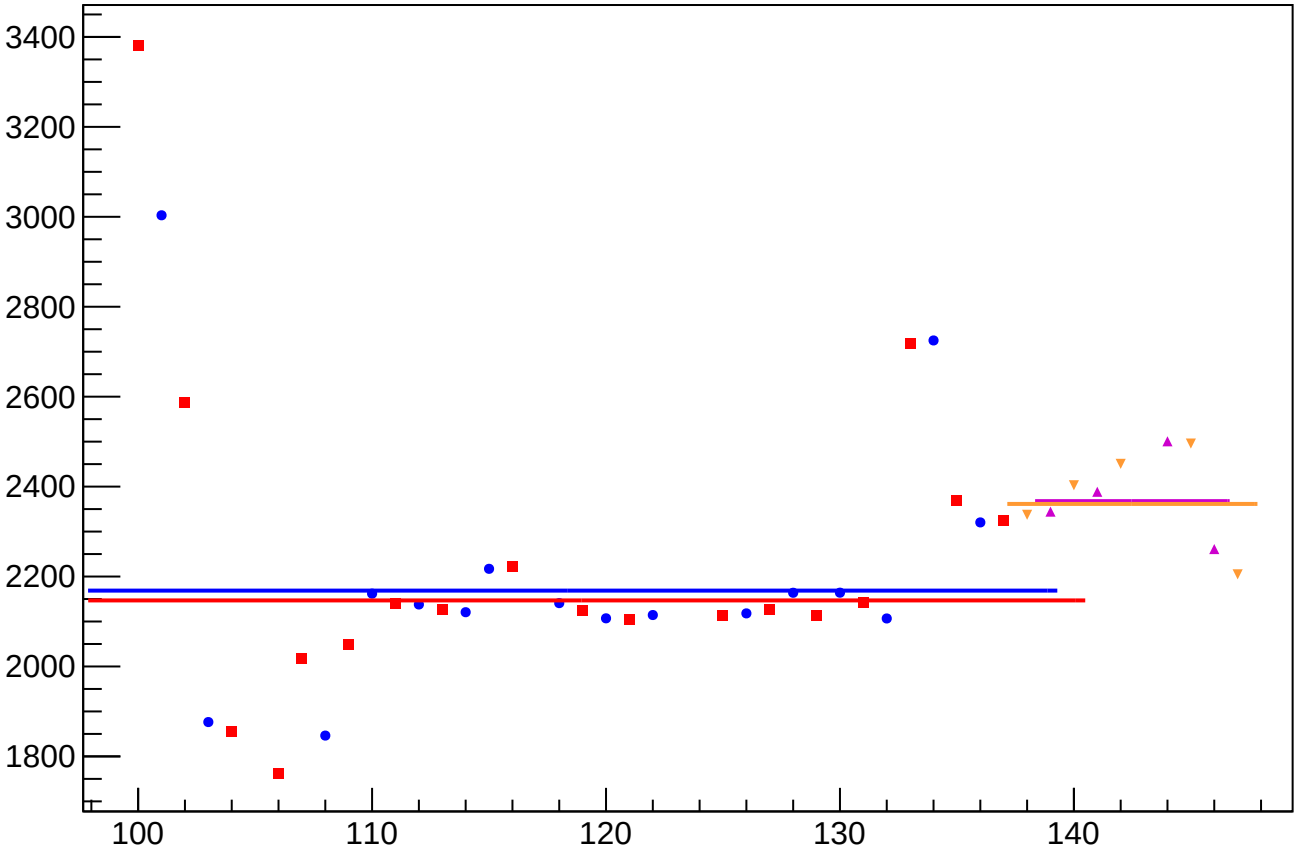
Left In: -6082.898+/-1260.601 χ^2/NDF:1.2/3

+ sign 4337.203+/-677.675 χ^2/NDF: 17.3/20

All: -104.134+/-480.313 χ^2/NDF: 119.8/42

- sign -4587.421+/-680.868 χ^2/NDF: 16.2/21

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: 2361.472+/-0.869 χ^2/NDF:14879.5/4

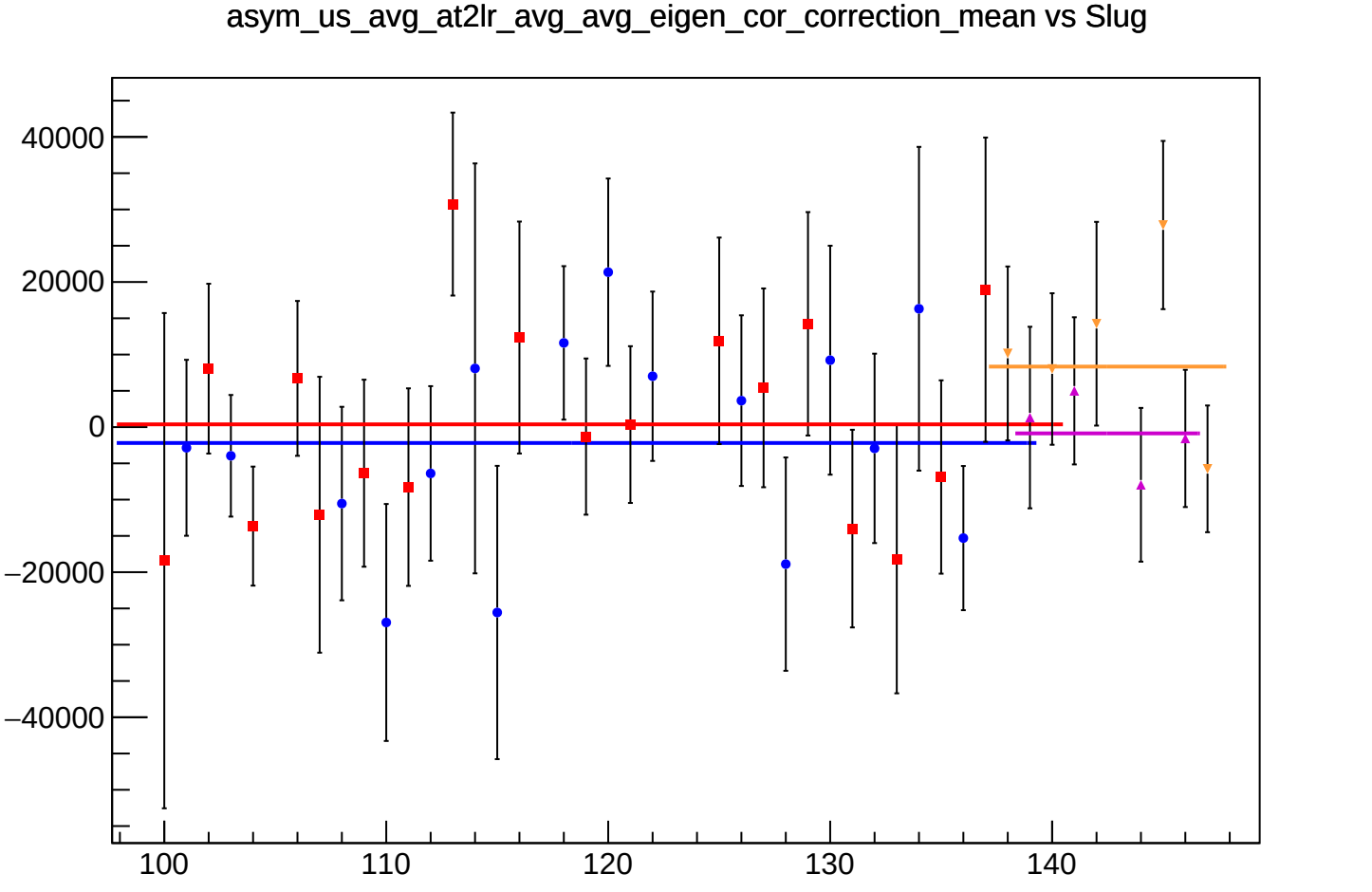
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2227.390+/-0.479 χ^2/NDF: 244801.1/20

All: 2219.131+/-0.339 χ^2/NDF: 456144.5/42

- sign 2210.852+/-0.480 χ^2/NDF: 210748.5/21



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8338.504+/-4894.306 χ^2/NDF:5.6/4

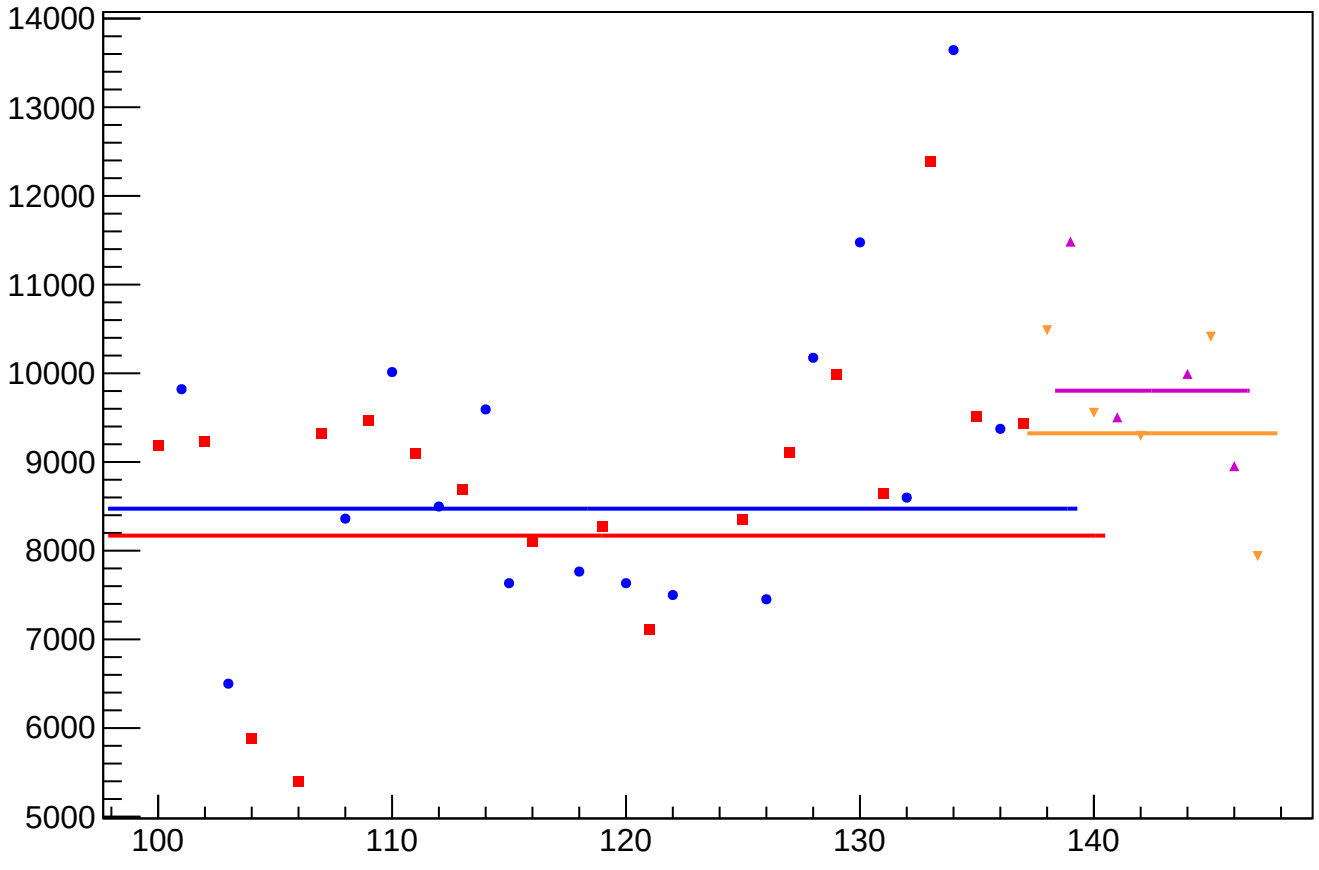
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -866.165+/-5256.883 χ^2/NDF:0.8/3

+ sign 975.209+/-2683.325 χ^2/NDF: 23.3/20

All: 514.316+/-1892.758 χ^2/NDF: 40.5/42

- sign 57.902+/-2670.252 χ^2/NDF: 17.2/21



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

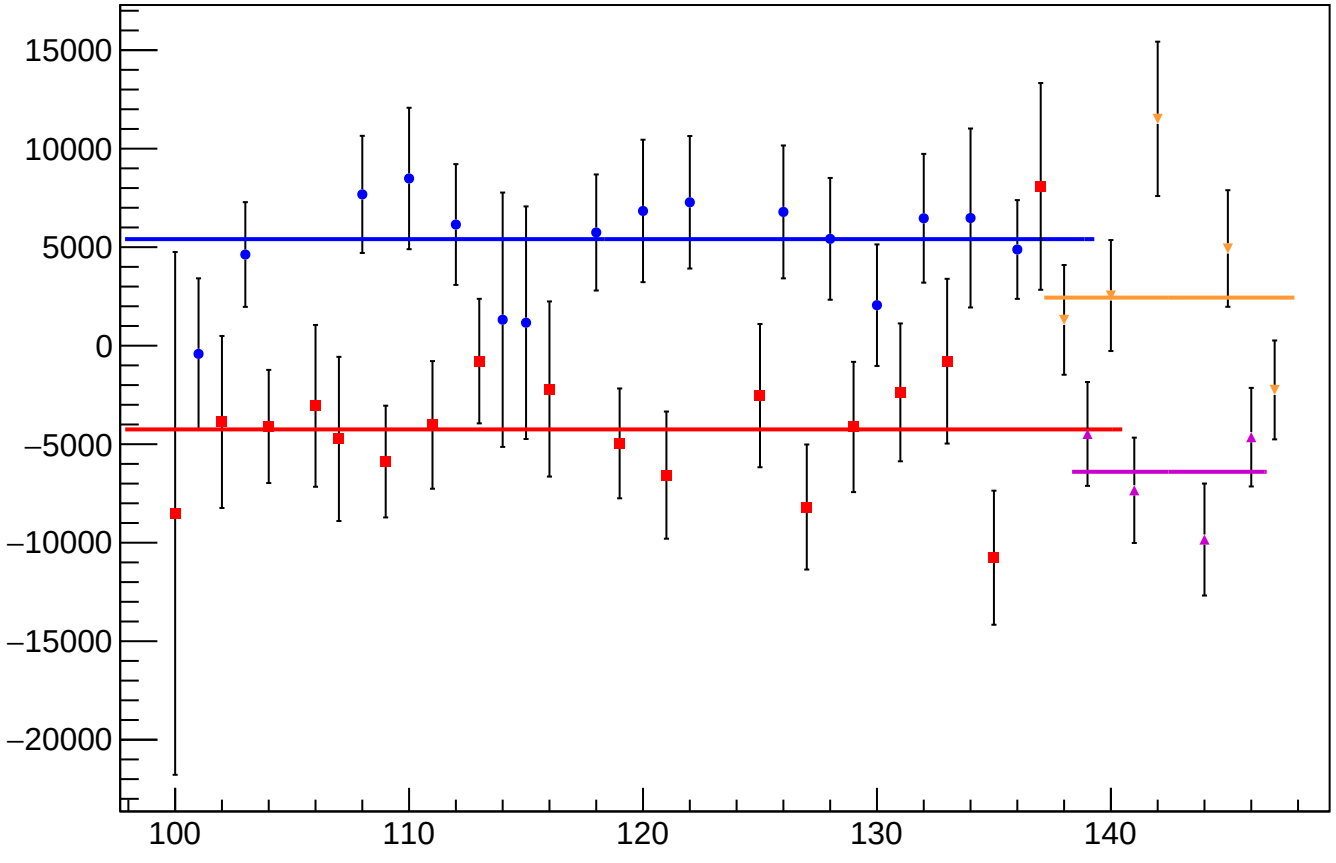
Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

+ sign 8729.163+/-1.897 χ^2/NDF: 559394.9/20

All: 8660.058+/-1.338 χ^2/NDF: 1299982.3/42

- sign 8591.625+/-1.888 χ^2/NDF: 737947.4/21

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2438.992+/-1298.437 χ^2/NDF:9.7/4

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

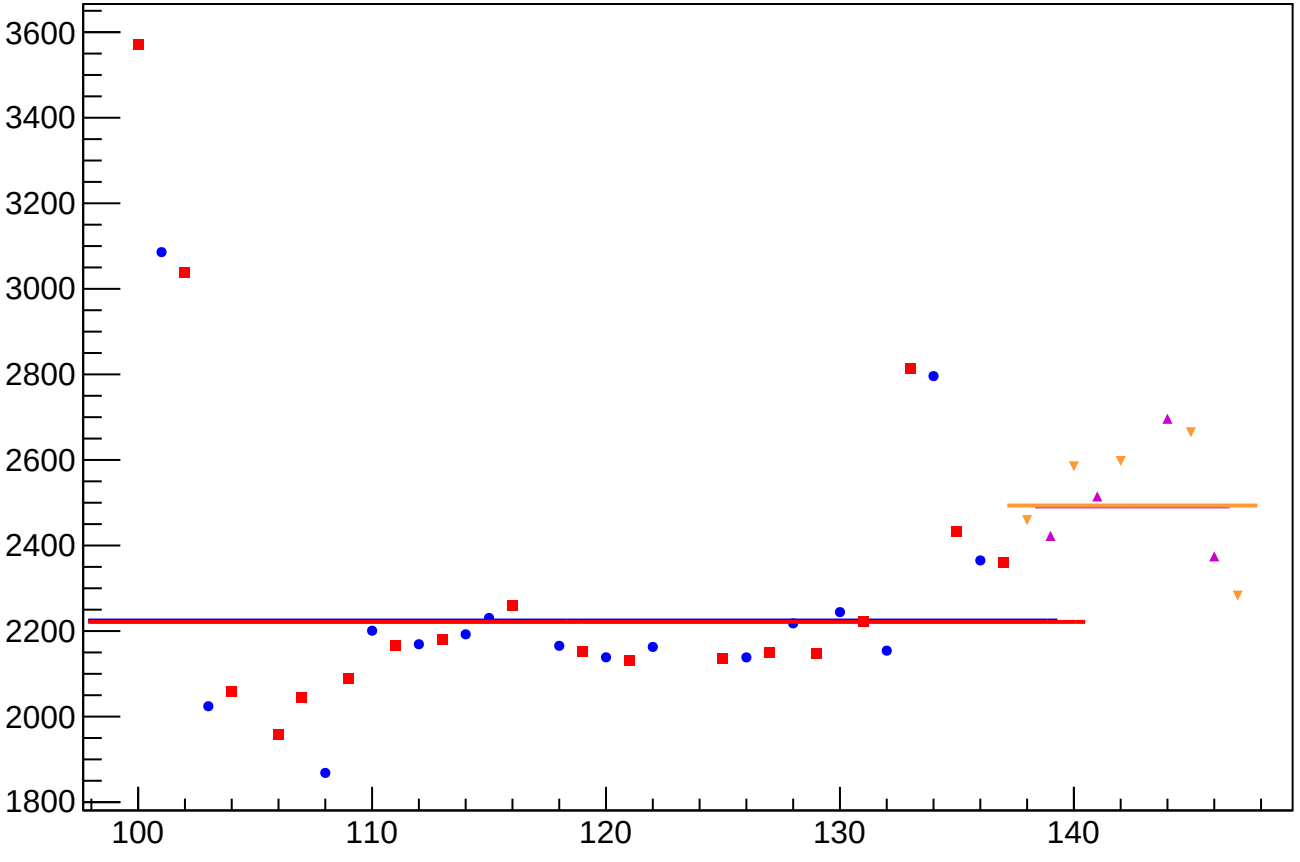
Left In: -6401.140+/-1327.533 χ^2/NDF:2.6/3

+ sign 4541.215+/-701.532 χ^2/NDF: 20.2/20

All: -108.851+/-498.828 χ^2/NDF: 128.0/42

- sign -4864.256+/-709.433 χ^2/NDF: 19.0/21

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2493.450+/-0.918 χ^2/NDF:24605.6/4

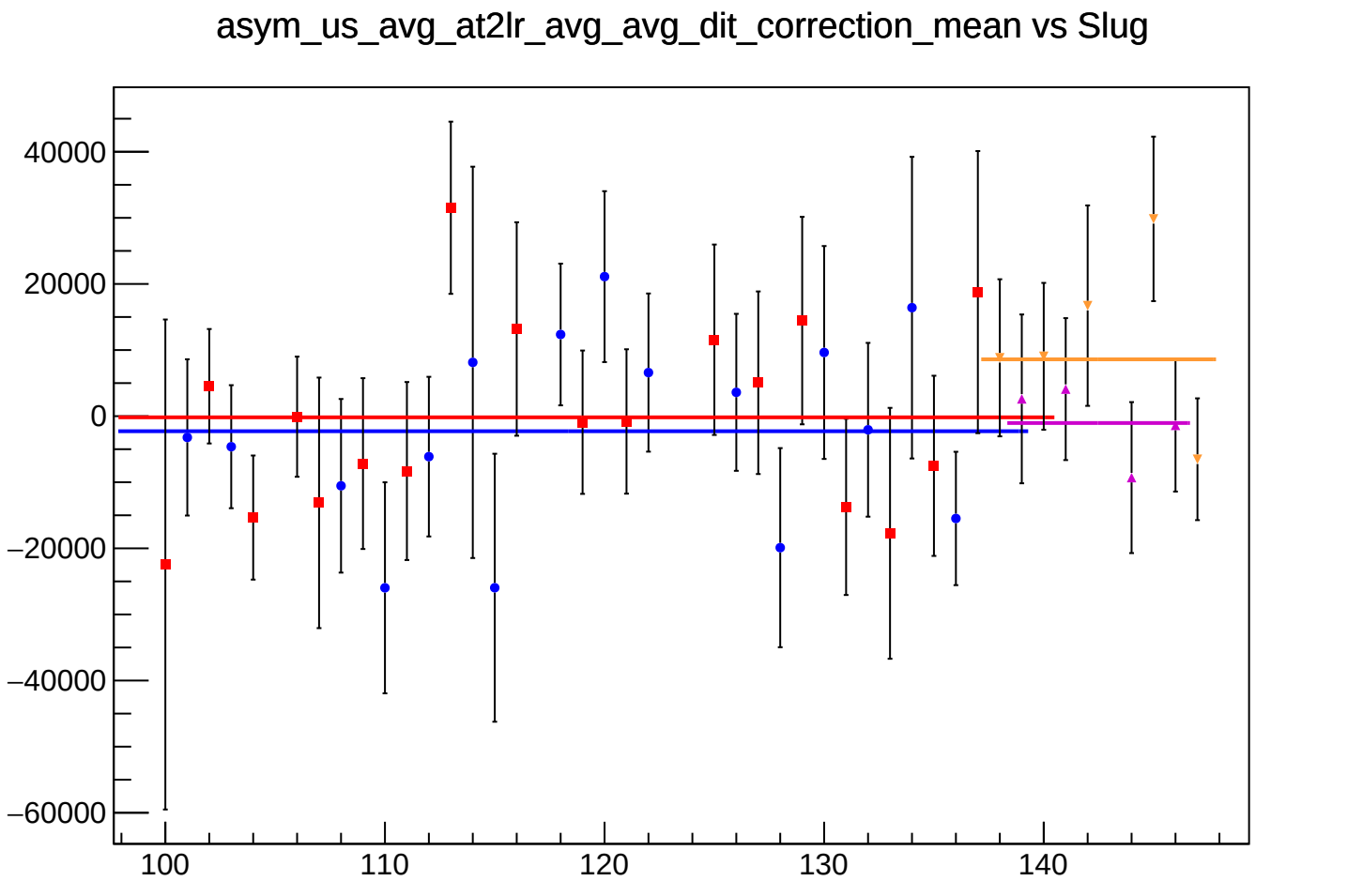
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.475+/-0.939 χ^2/NDF:16280.1/3

+ sign 2303.090+/-0.496 χ^2/NDF: 269994.0/20

All: 2300.809+/-0.353 χ^2/NDF: 515408.0/42

- sign 2298.479+/-0.501 χ^2/NDF: 245371.2/21



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 8594.801+/-5144.696 χ^2/NDF:5.9/4

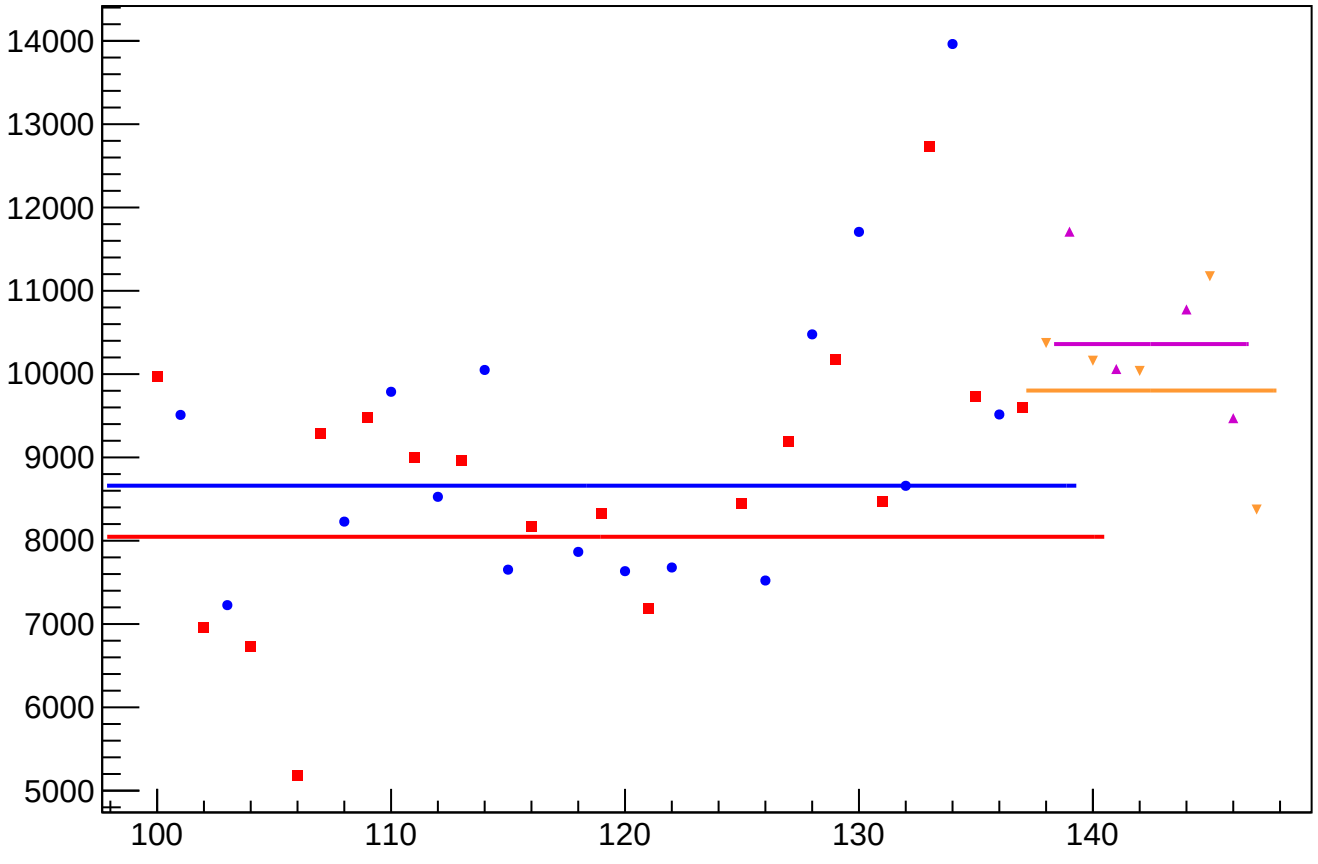
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -1036.801+/-5551.770 χ^2/NDF:0.8/3

+ sign 852.685+/-2760.771 χ^2/NDF: 23.6/20

All: 216.845+/-1916.766 χ^2/NDF: 40.2/42

- sign -374.885+/-2663.288 χ^2/NDF: 16.5/21



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9802.873+/-3.638 χ^2/NDF:79576.3/4

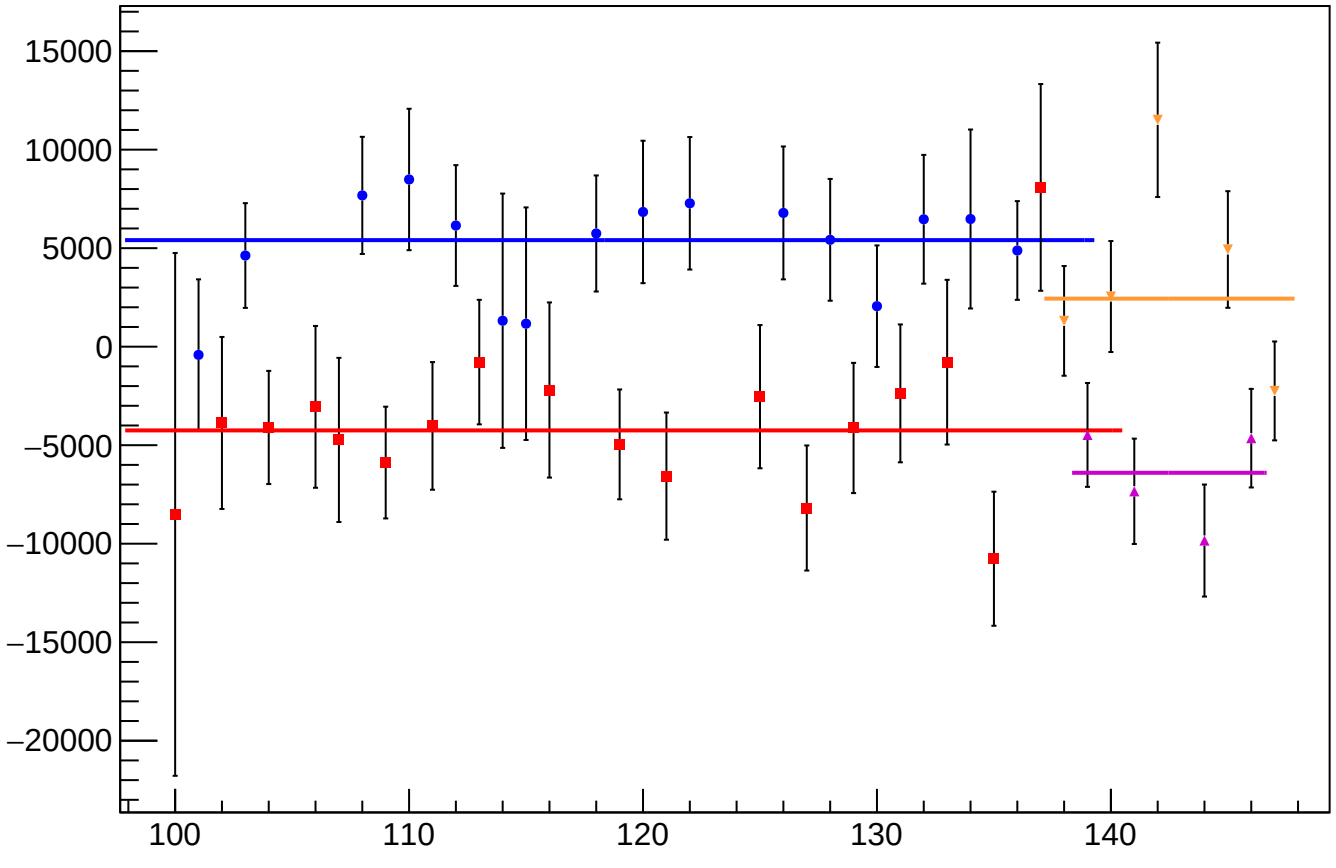
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10360.630+/-3.926 χ^2/NDF:42311.0/3

+ sign 8989.630+/-1.952 χ^2/NDF: 507724.2/20

All: 8777.347+/-1.355 χ^2/NDF: 1398724.8/42

- sign 8579.790+/-1.883 χ^2/NDF: 868171.0/21



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2439.006+/-1298.439 χ^2/NDF:9.7/4

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

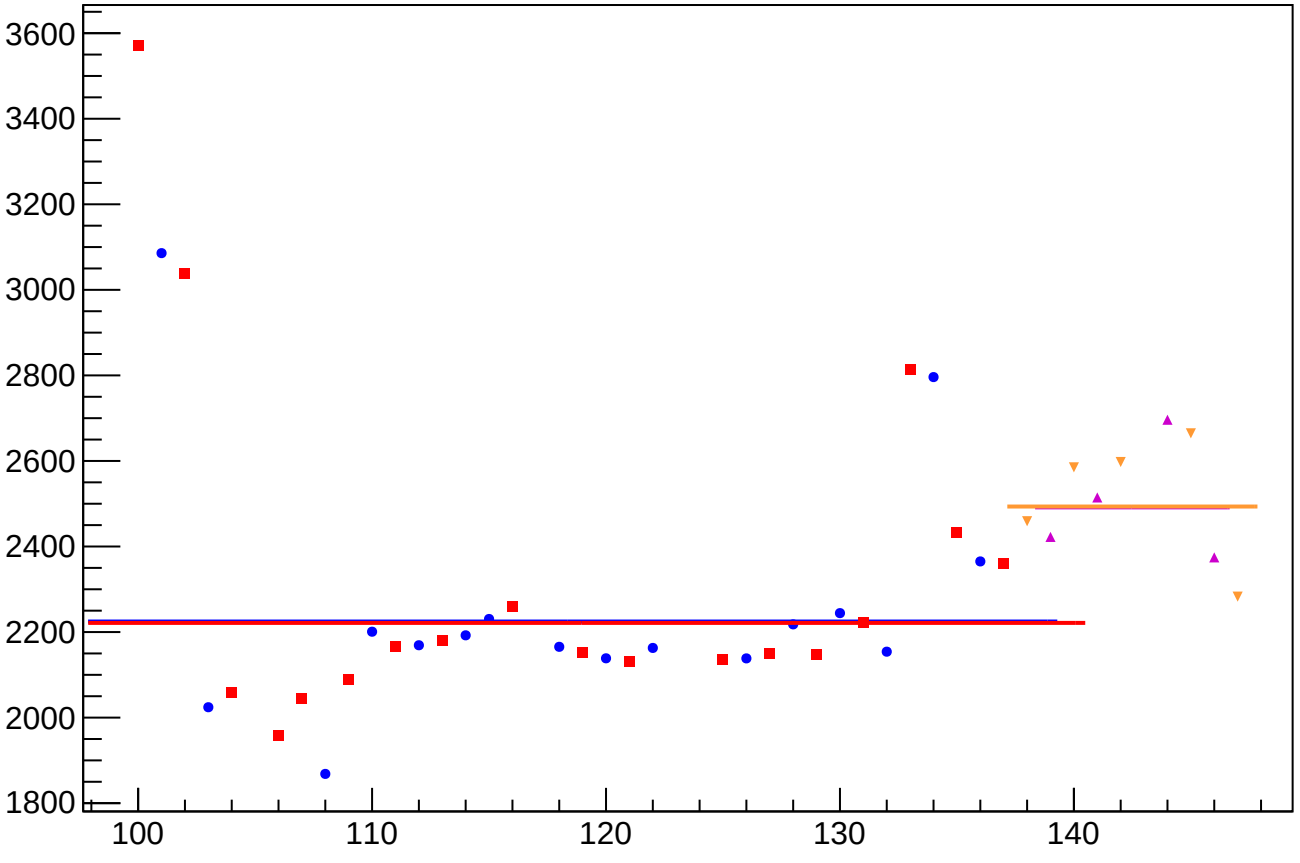
Left In: -6401.129+/-1327.535 χ^2/NDF:2.6/3

+ sign 4541.222+/-701.532 χ^2/NDF: 20.2/20

All: -108.847+/-498.828 χ^2/NDF: 128.0/42

- sign -4864.255+/-709.433 χ^2/NDF: 19.0/21

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: 2493.452+/-0.918 χ^2/NDF:24606.1/4

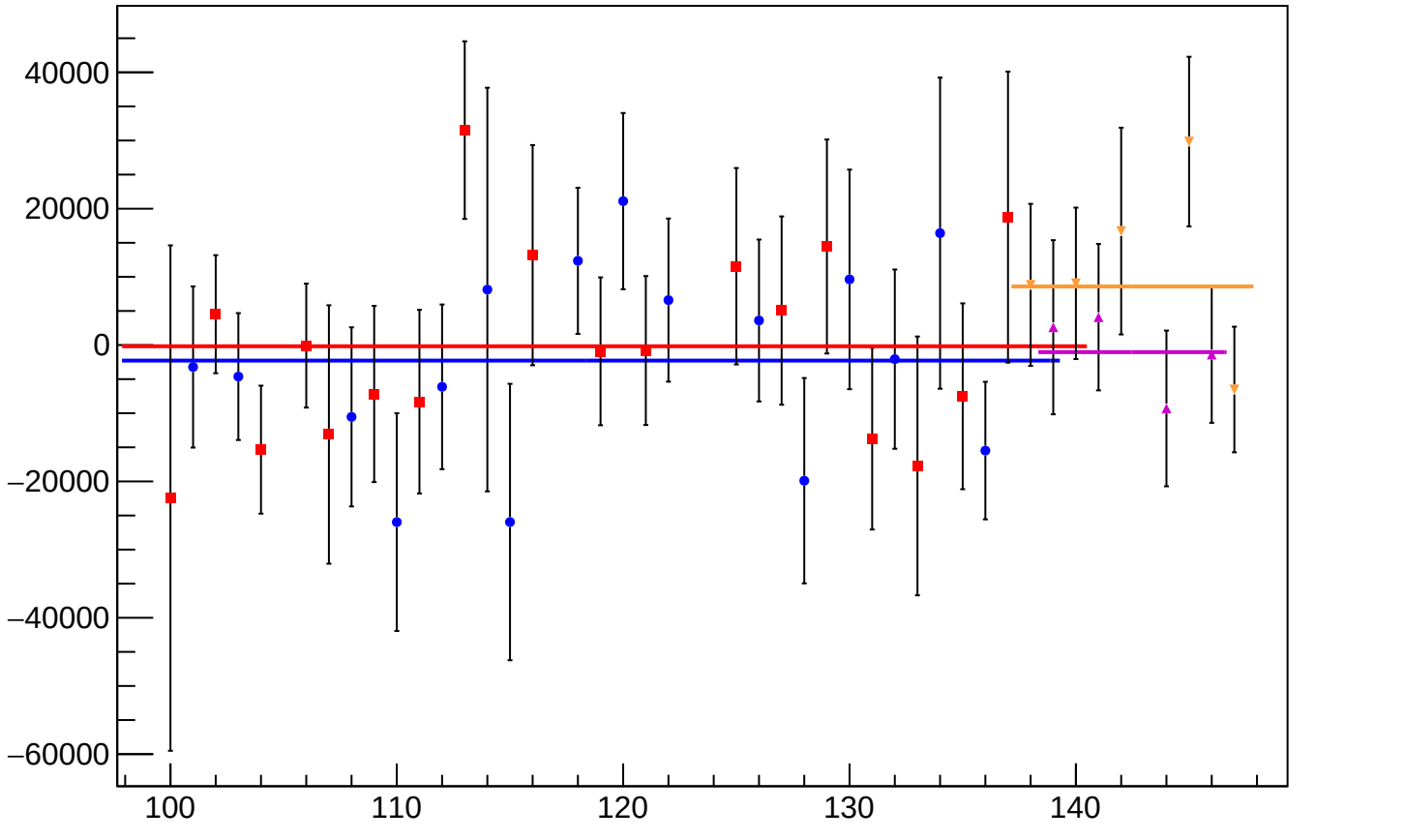
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.479+/-0.939 χ^2/NDF:16280.2/3

+ sign 2303.091+/-0.496 χ^2/NDF: 269996.2/20

All: 2300.810+/-0.353 χ^2/NDF: 515412.0/42

- sign 2298.479+/-0.501 χ^2/NDF: 245373.0/21



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 8594.808+/-5144.704 χ^2/NDF:5.9/4

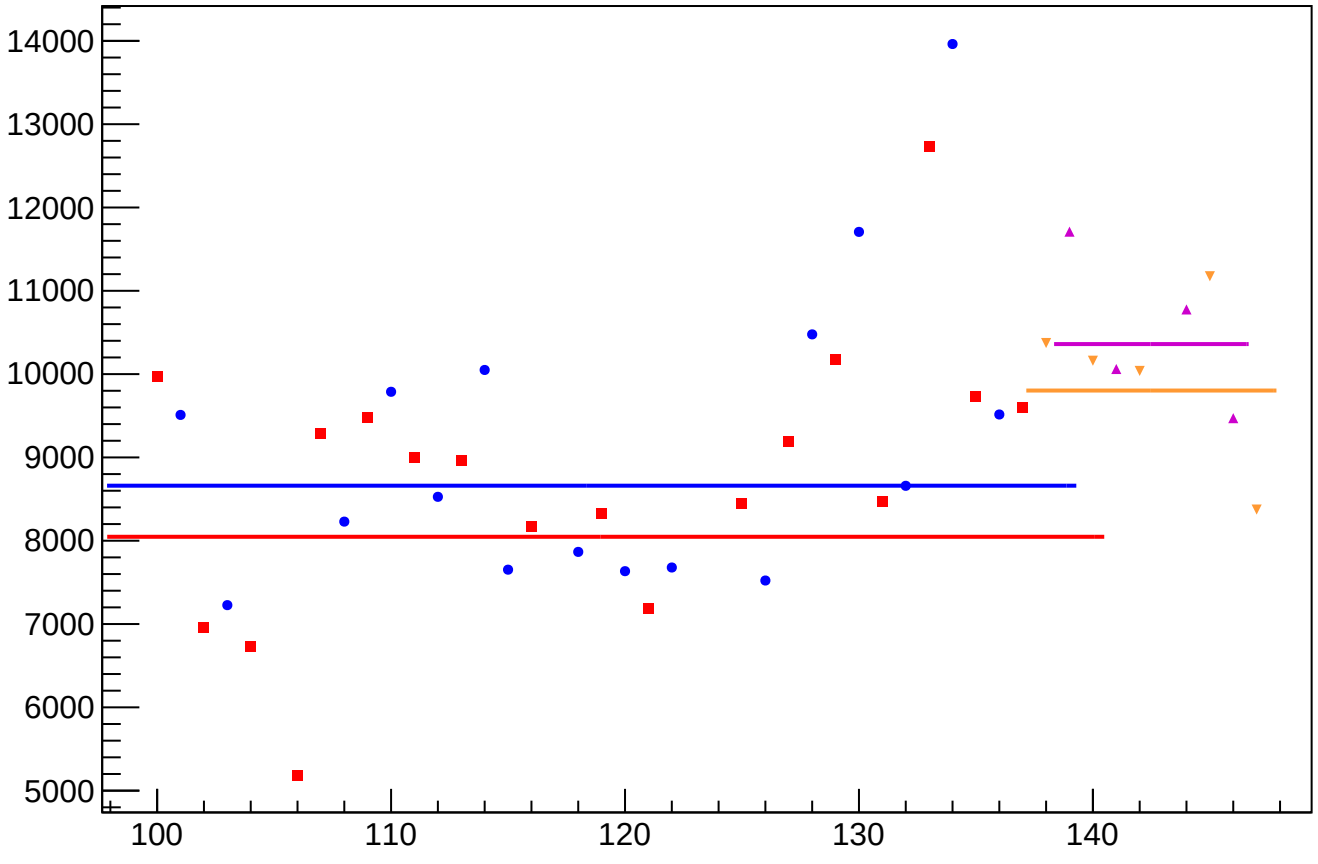
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -1036.789+/-5551.779 χ^2/NDF:0.8/3

+ sign 852.685+/-2760.768 χ^2/NDF: 23.6/20

All: 216.845+/-1916.763 χ^2/NDF: 40.2/42

- sign -374.885+/-2663.285 χ^2/NDF: 16.5/21



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9802.888+/-3.638 χ^2/NDF:79577.2/4

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

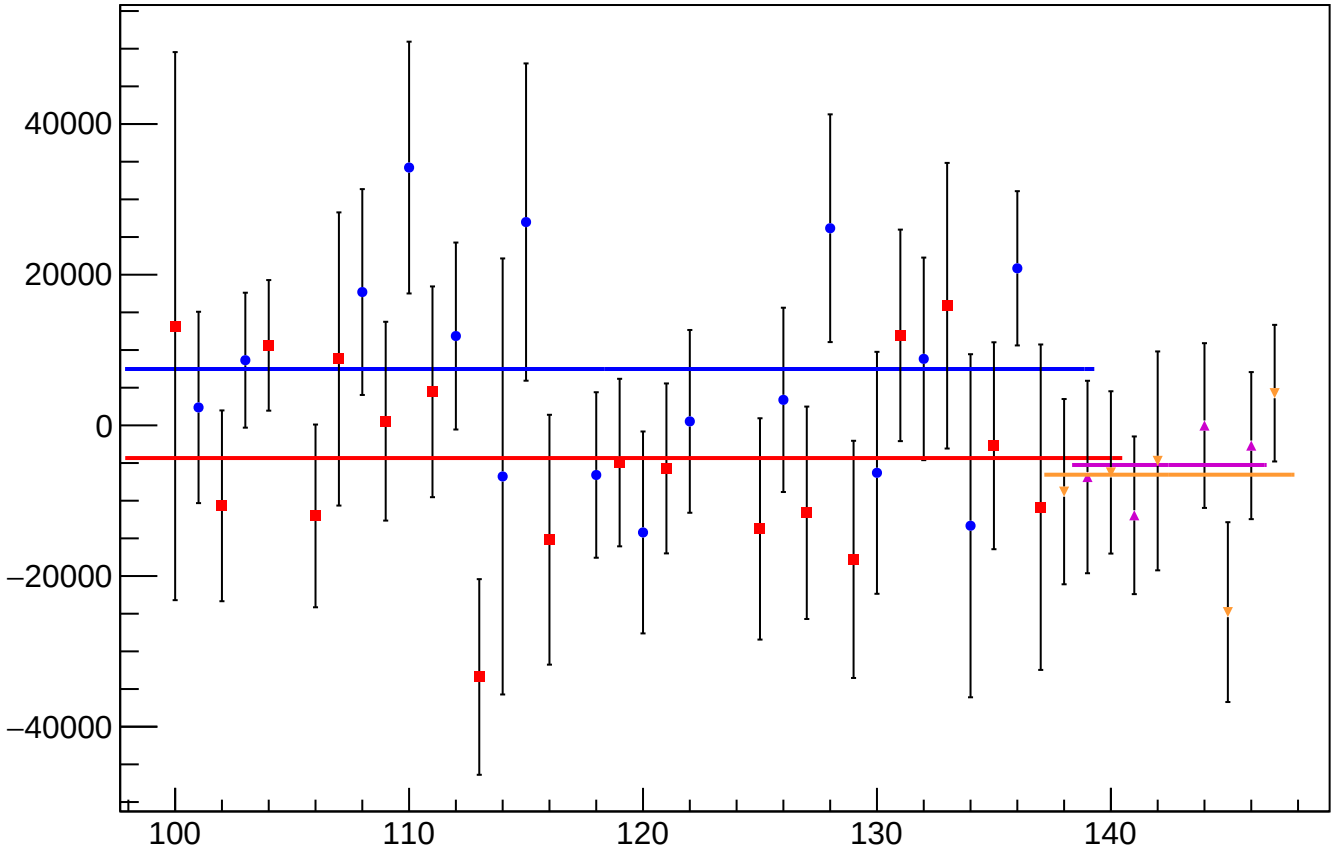
Left In: 10360.647+/-3.926 χ^2/NDF:42311.5/3

+ sign 8989.618+/-1.952 χ^2/NDF: 507731.7/20

All: 8777.334+/-1.355 χ^2/NDF: 1398738.9/42

- sign 8579.777+/-1.883 χ^2/NDF: 868177.4/21

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6548.453+/-5054.087 χ^2/NDF:3.8/4

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

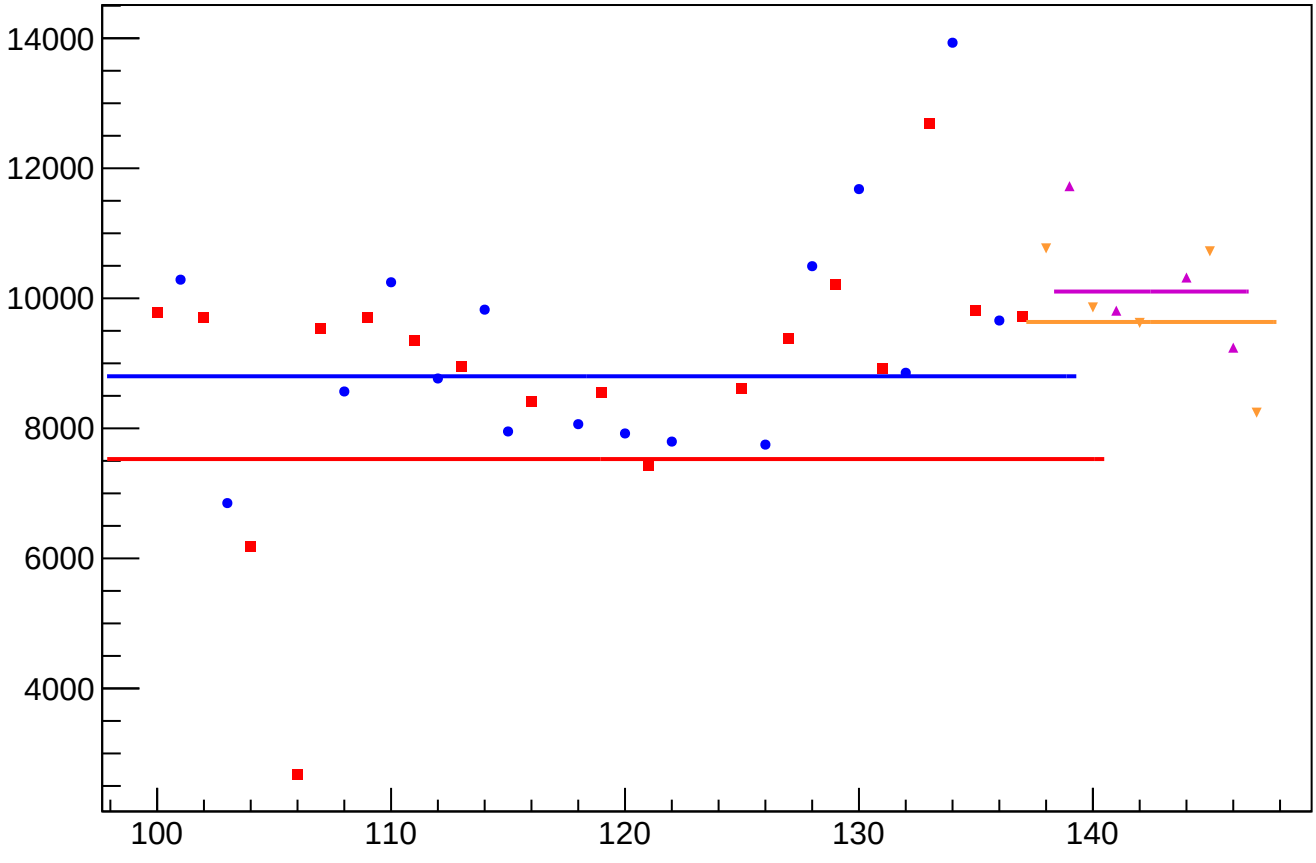
Left In: -5258.265+/-5413.834 χ^2/NDF:0.7/3

+ sign 3233.124+/-2781.222 χ^2/NDF: 23.2/20

All: -673.159+/-1966.829 χ^2/NDF: 42.2/42

- sign -4581.095+/-2781.811 χ^2/NDF: 15.0/21

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9636.423+/-3.574 χ^2/NDF:81720.6/4

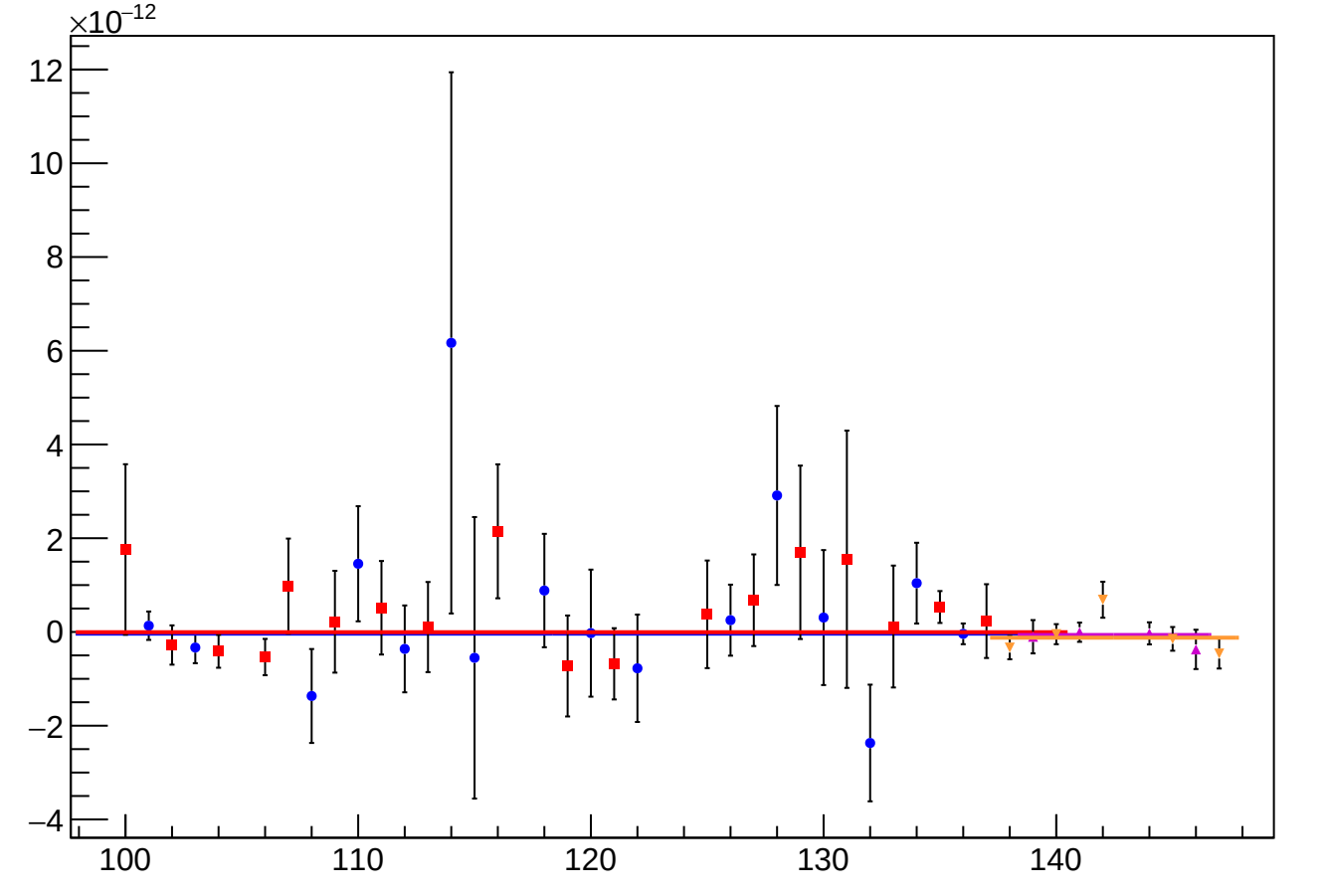
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10104.257+/-3.828 χ^2/NDF:50189.7/3

+ sign 9054.032+/-1.967 χ^2/NDF: 514387.2/20

All: 8569.576+/-1.351 χ^2/NDF: 2682866.7/42

- sign 8136.142+/-1.860 χ^2/NDF: 2053502.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

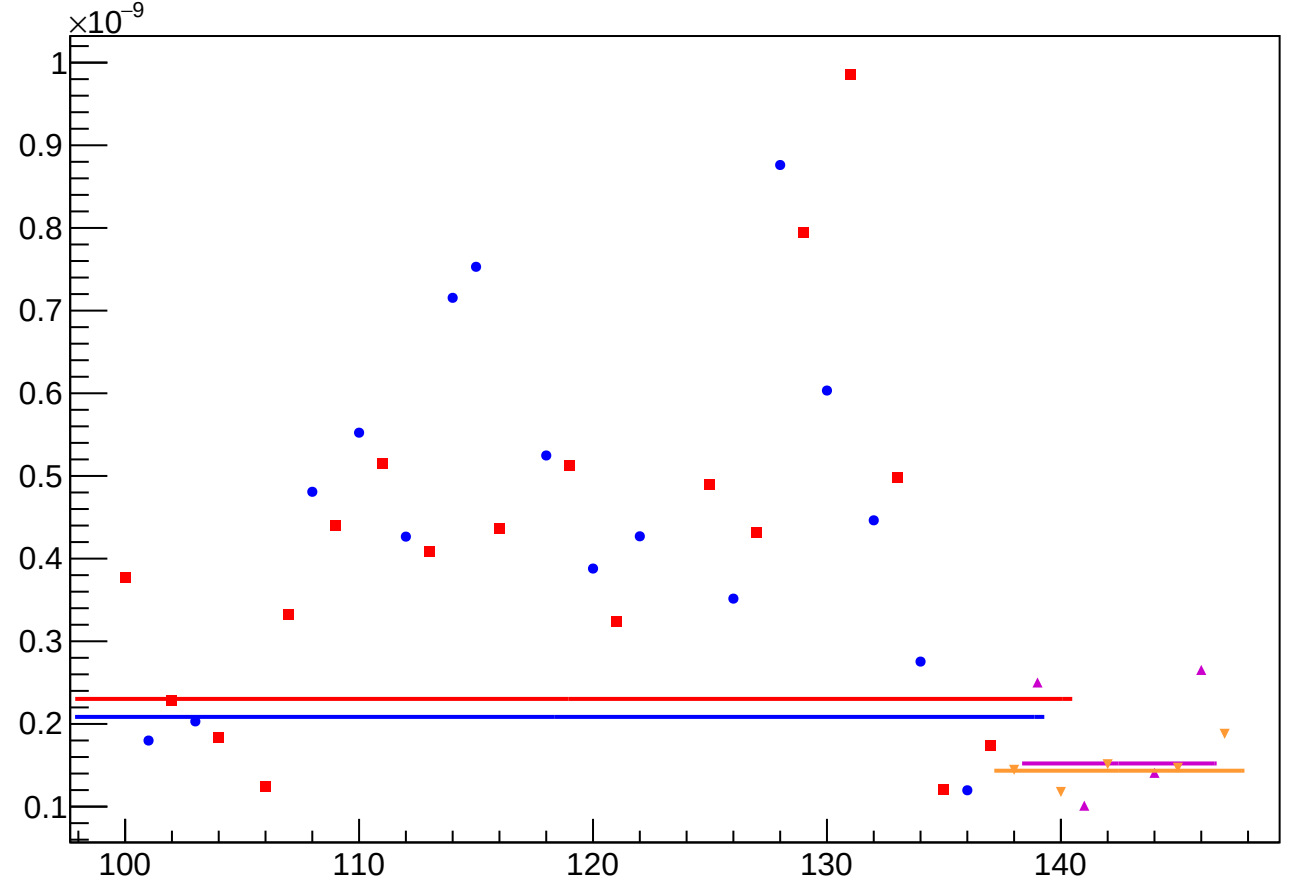
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/20

All: -0.000+/-0.000 χ^2/NDF: 35.5/42

- sign -0.000+/-0.000 χ^2/NDF: 14.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:69024.8/4

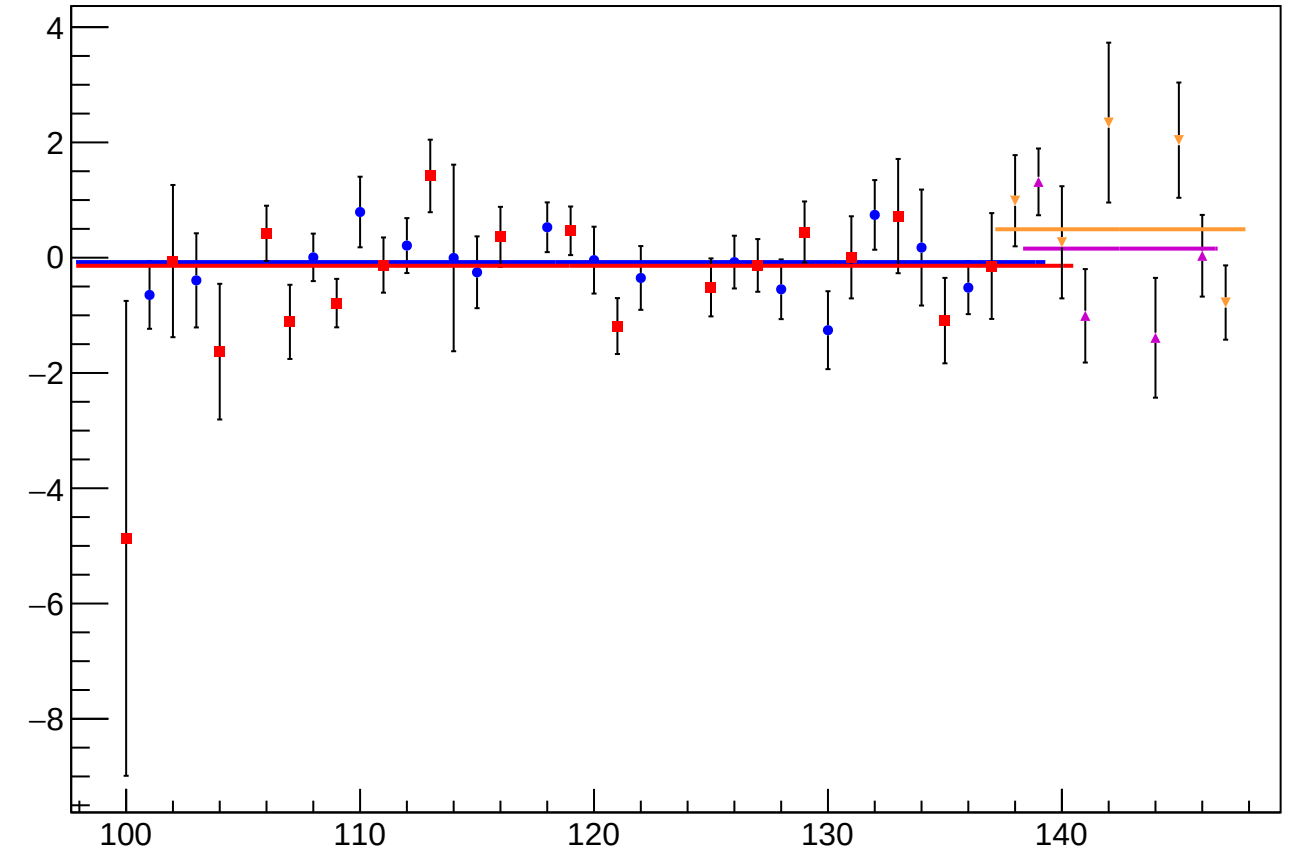
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:426267.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 1948069.7/20

All: 0.000+/-0.000 χ^2/NDF: 4246209.1/42

- sign 0.000+/-0.000 χ^2/NDF: 2274497.9/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

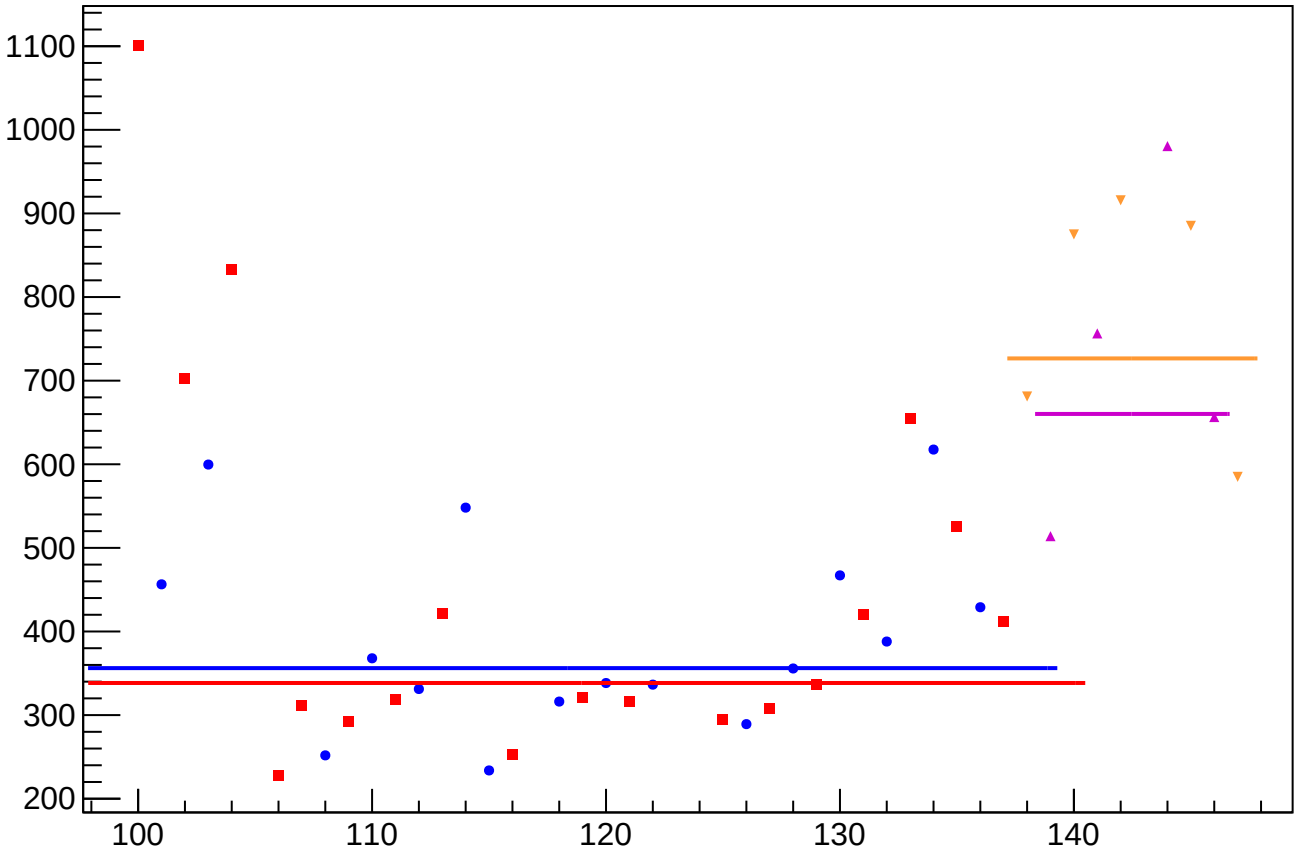
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.058+/-0.092 χ^2/NDF: 59.0/42

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 726.595+/-0.276 χ^2/NDF:237234.1/4

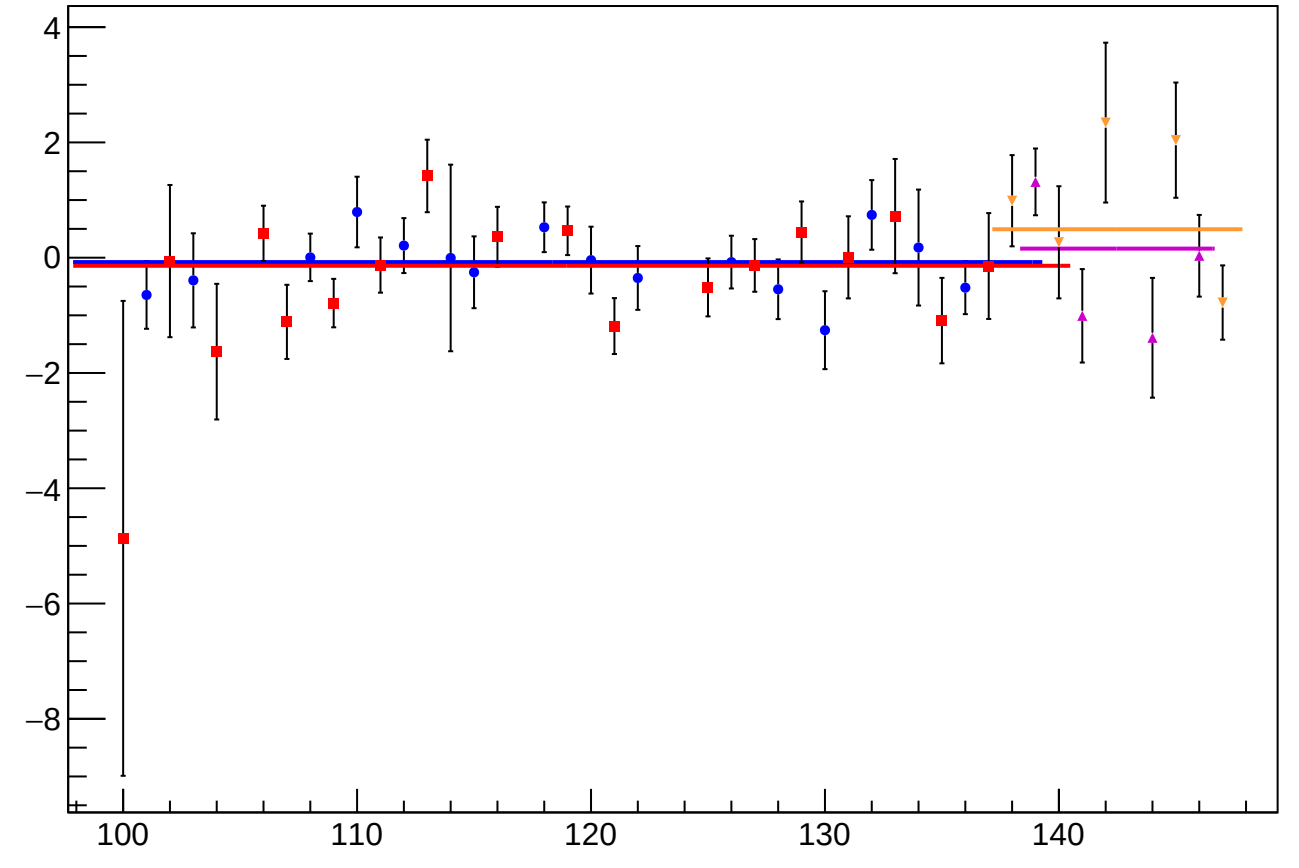
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

+ sign 398.461+/-0.093 χ^2/NDF: 2622319.6/20

All: 388.155+/-0.065 χ^2/NDF: 5542039.2/42

- sign 378.241+/-0.091 χ^2/NDF: 2895682.1/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

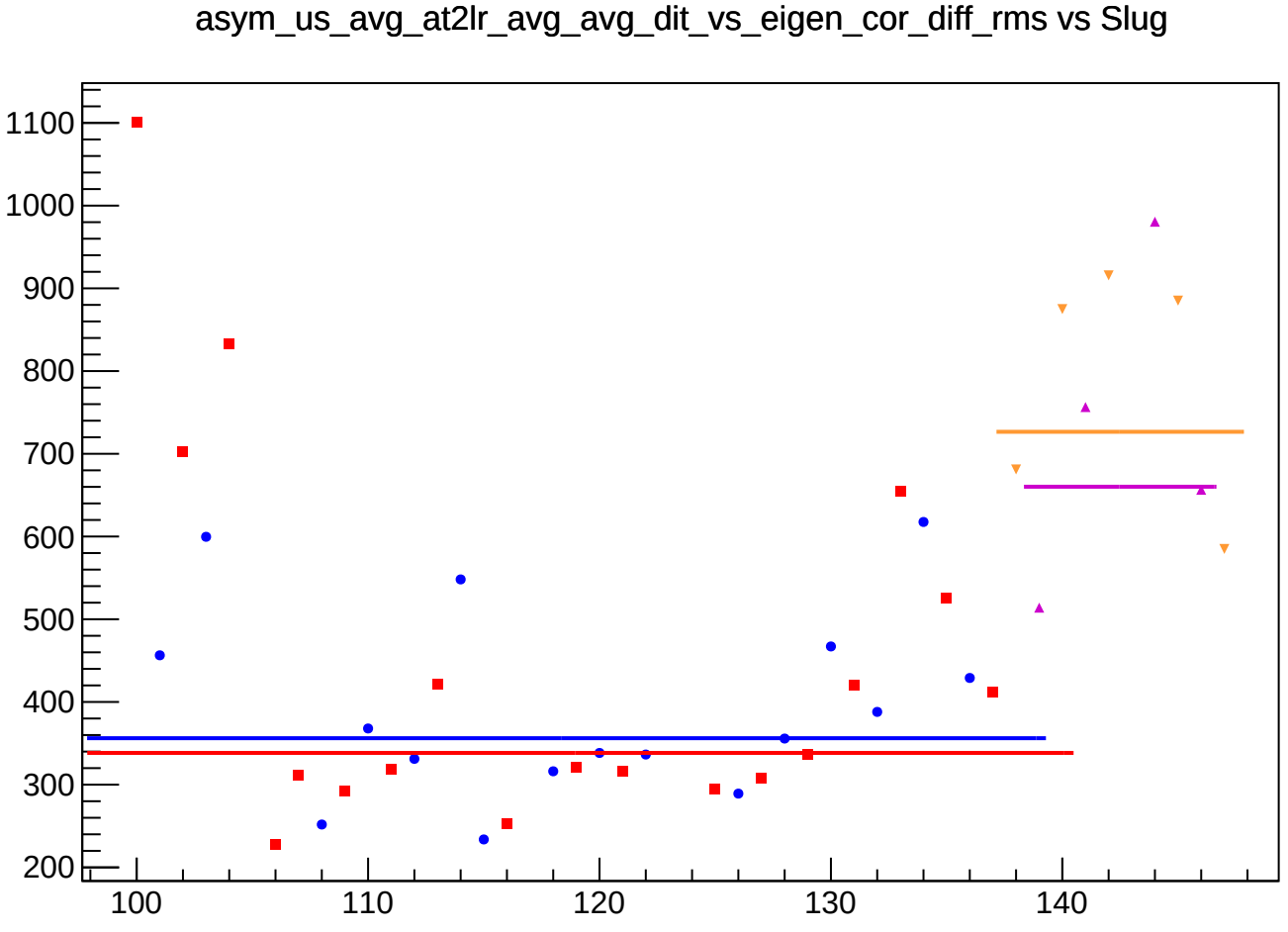
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

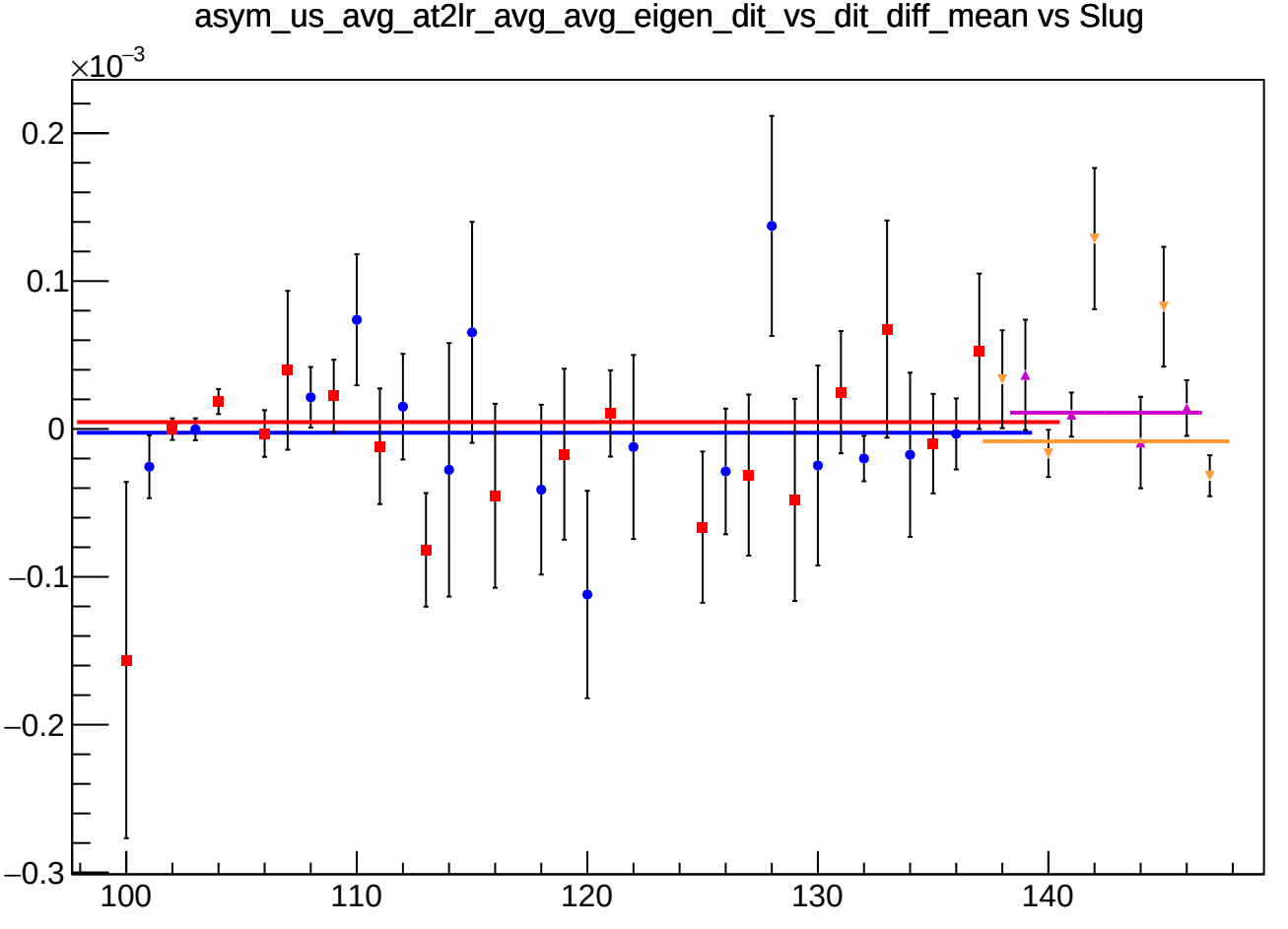
Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.058+/-0.092 χ^2/NDF: 59.0/42

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 726.595+/-0.276 χ²/NDF:237234.1/4
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 660.193+/-0.260 χ²/NDF:345825.7/3
+ sign 398.461+/-0.093 χ²/NDF: 2622319.6/20
All: 388.155+/-0.065 χ²/NDF: 5542039.2/42
- sign 378.241+/-0.091 χ²/NDF: 2895682.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/4

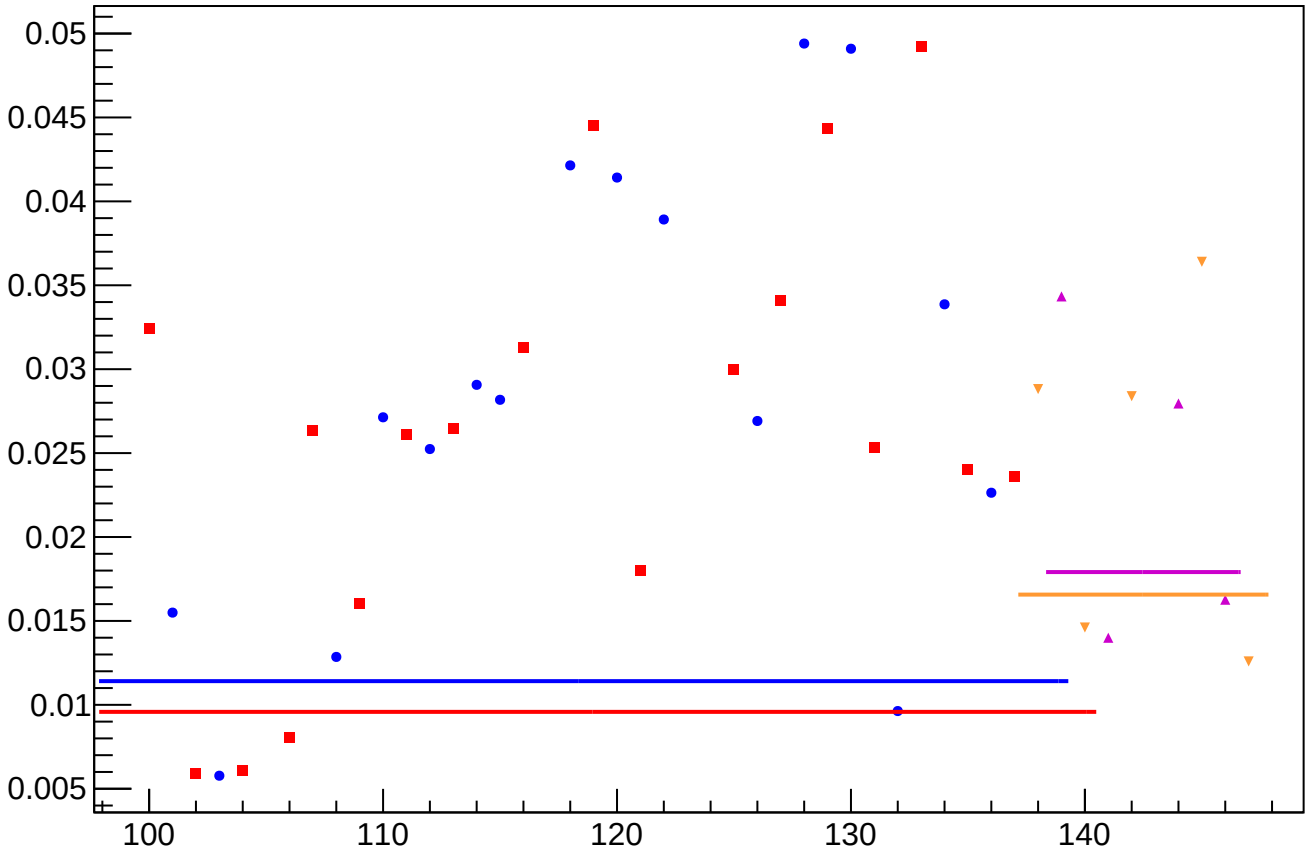
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/20

All: 0.000+/-0.000 χ^2/NDF: 53.9/42

- sign 0.000+/-0.000 χ^2/NDF: 18.3/21



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:1071763.5/4

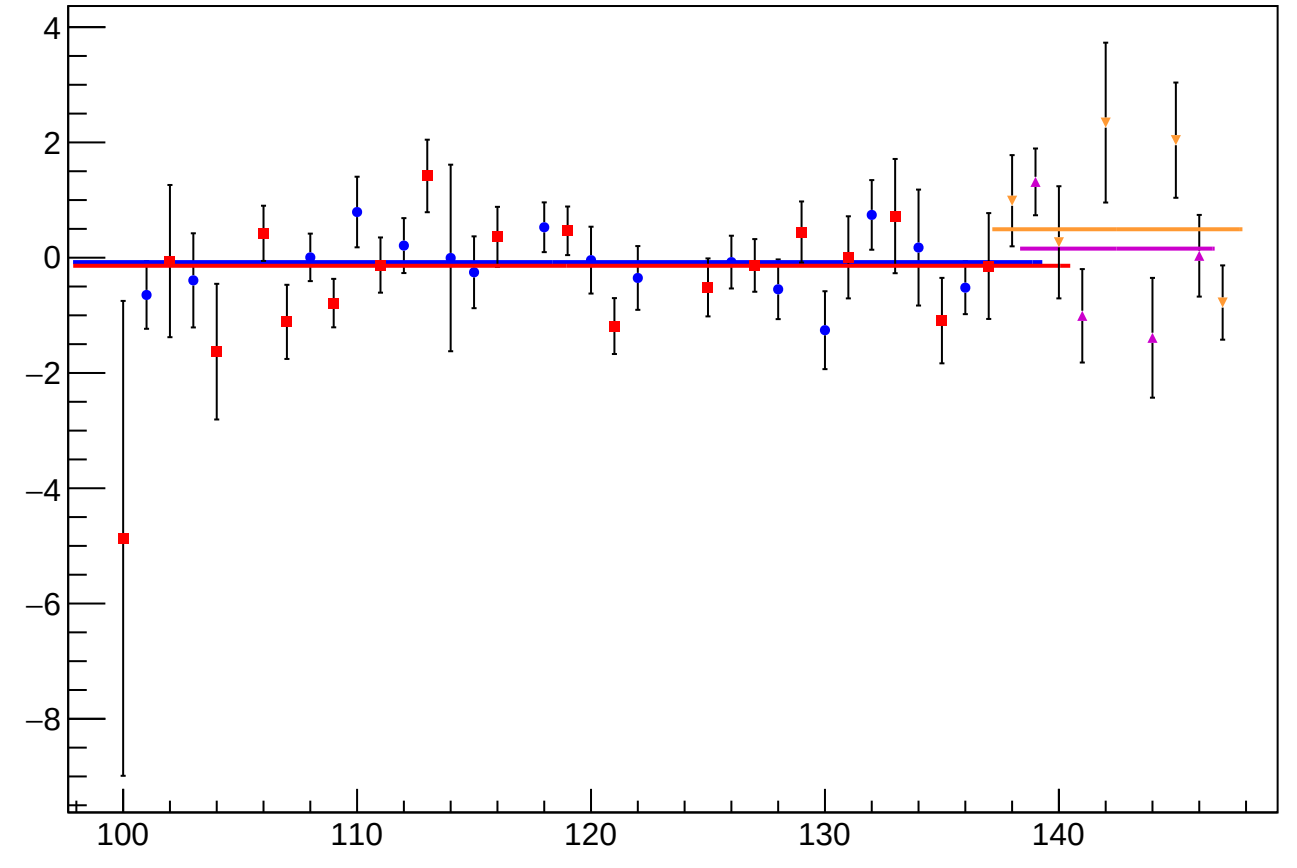
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.018+/-0.000 χ^2/NDF:749980.9/3

+ sign 0.013+/-0.000 χ^2/NDF: 7011843.7/20

All: 0.012+/-0.000 χ^2/NDF: 14743989.6/42

- sign 0.011+/-0.000 χ^2/NDF: 7585434.1/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

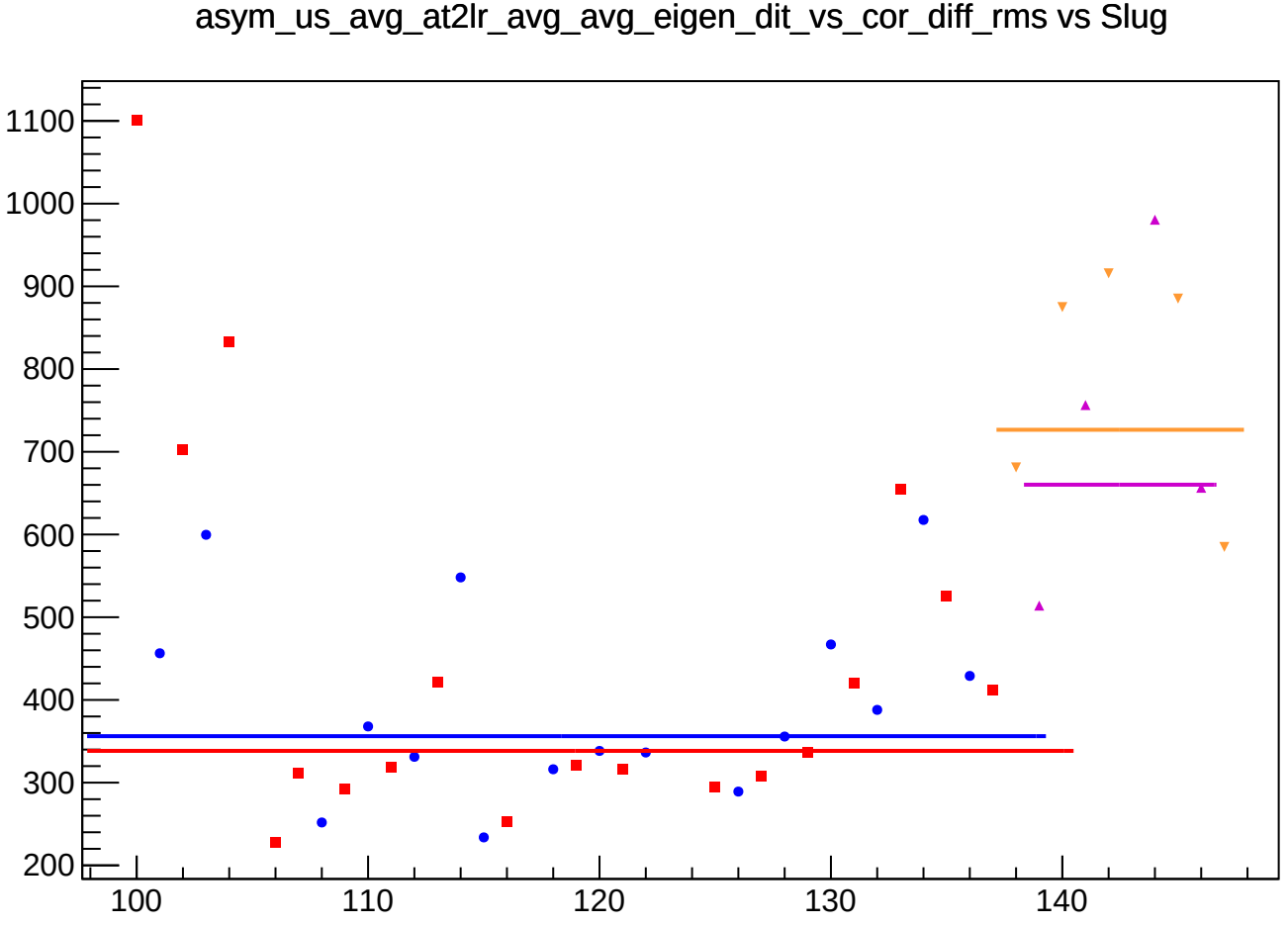
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.058+/-0.092 χ^2/NDF: 59.0/42

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 726.603+/-0.276 χ^2/NDF:237238.9/4

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

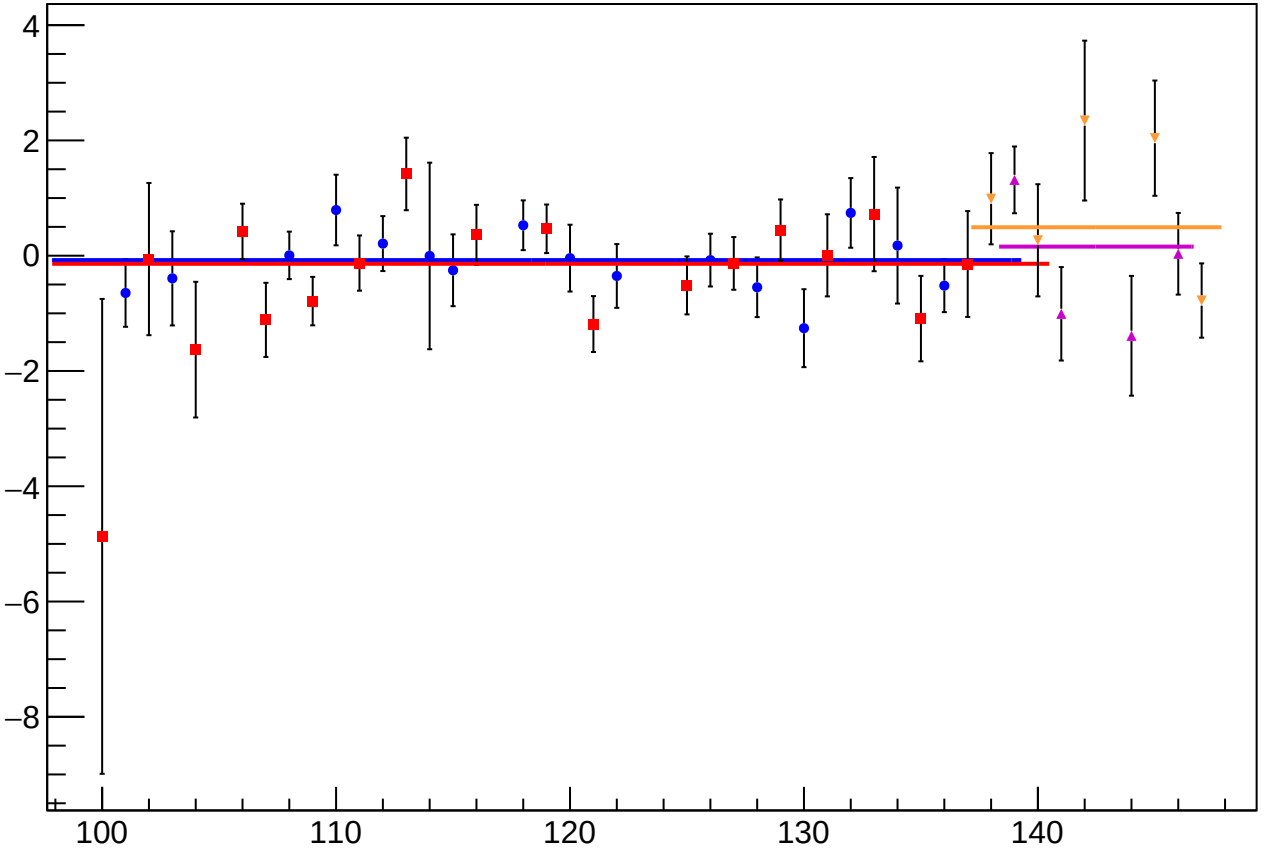
Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

+ sign 398.460+/-0.093 χ^2/NDF: 2622341.6/20

All: 388.153+/-0.065 χ^2/NDF: 5542102.3/42

- sign 378.239+/-0.091 χ^2/NDF: 2895721.8/21

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

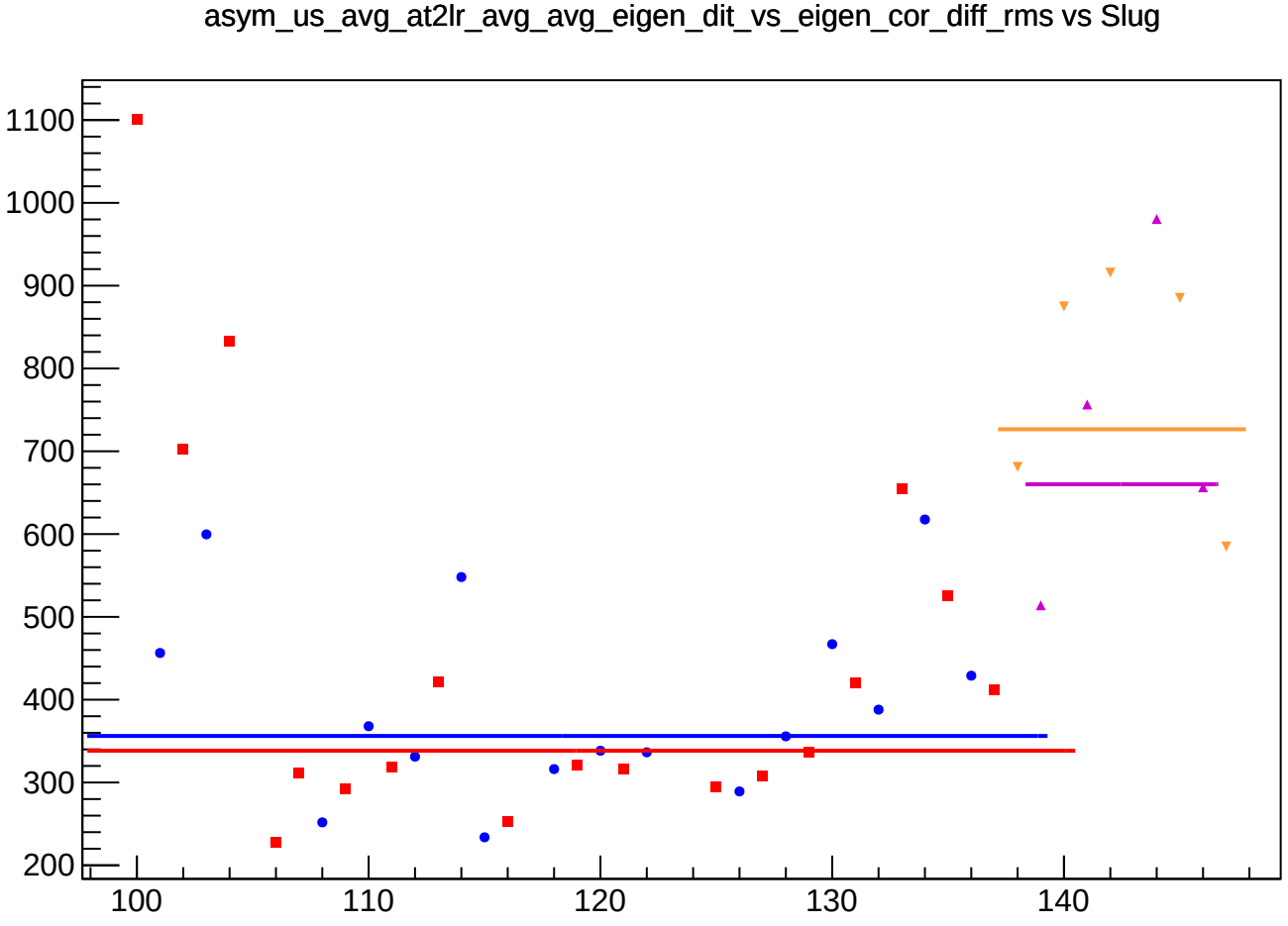
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.058+/-0.092 χ^2/NDF: 59.0/42

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 726.603+/-0.276 χ^2/NDF:237238.9/4

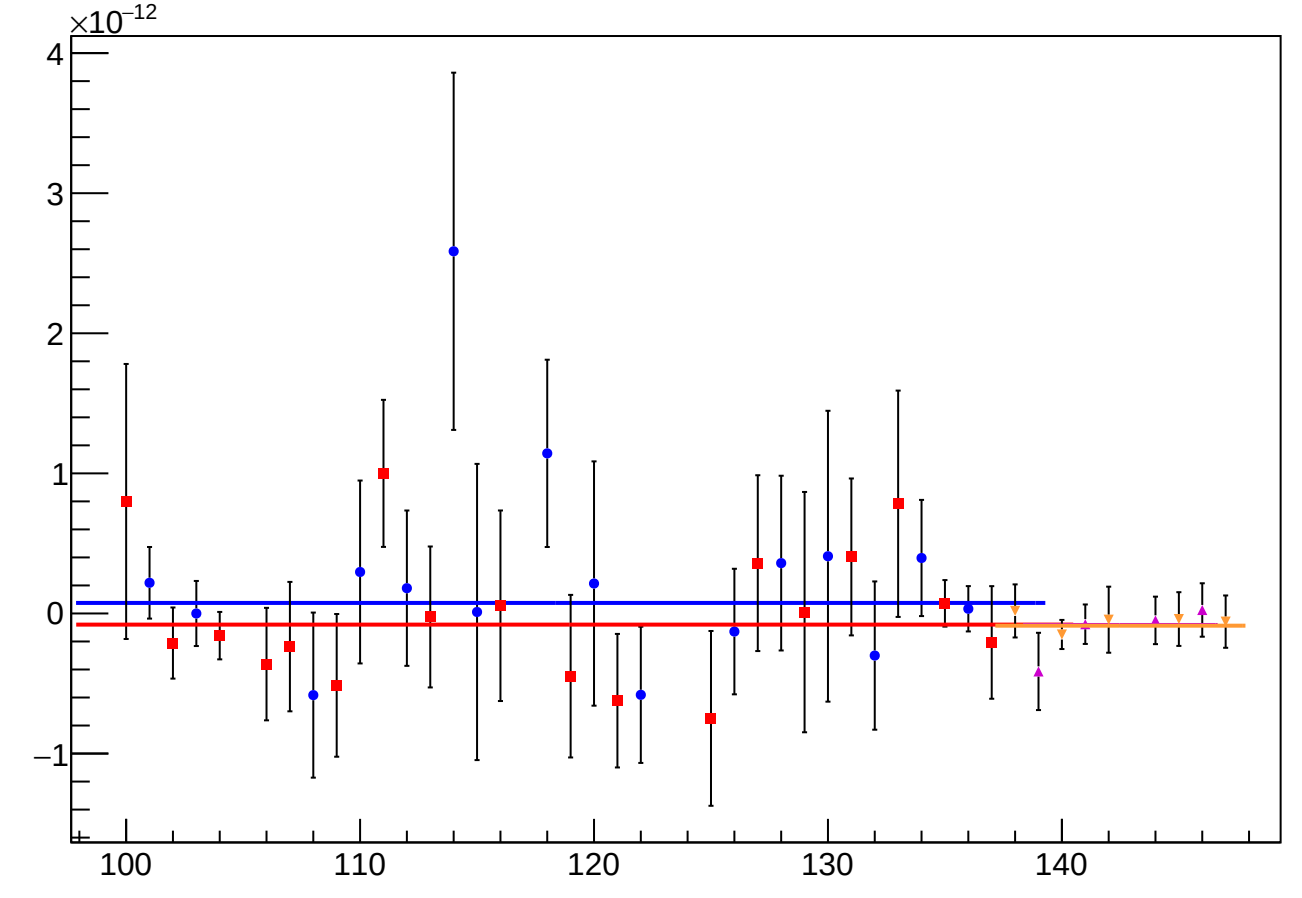
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

+ sign 398.460+/-0.093 χ^2/NDF: 2622341.6/20

All: 388.153+/-0.065 χ^2/NDF: 5542102.3/42

- sign 378.239+/-0.091 χ^2/NDF: 2895721.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/4

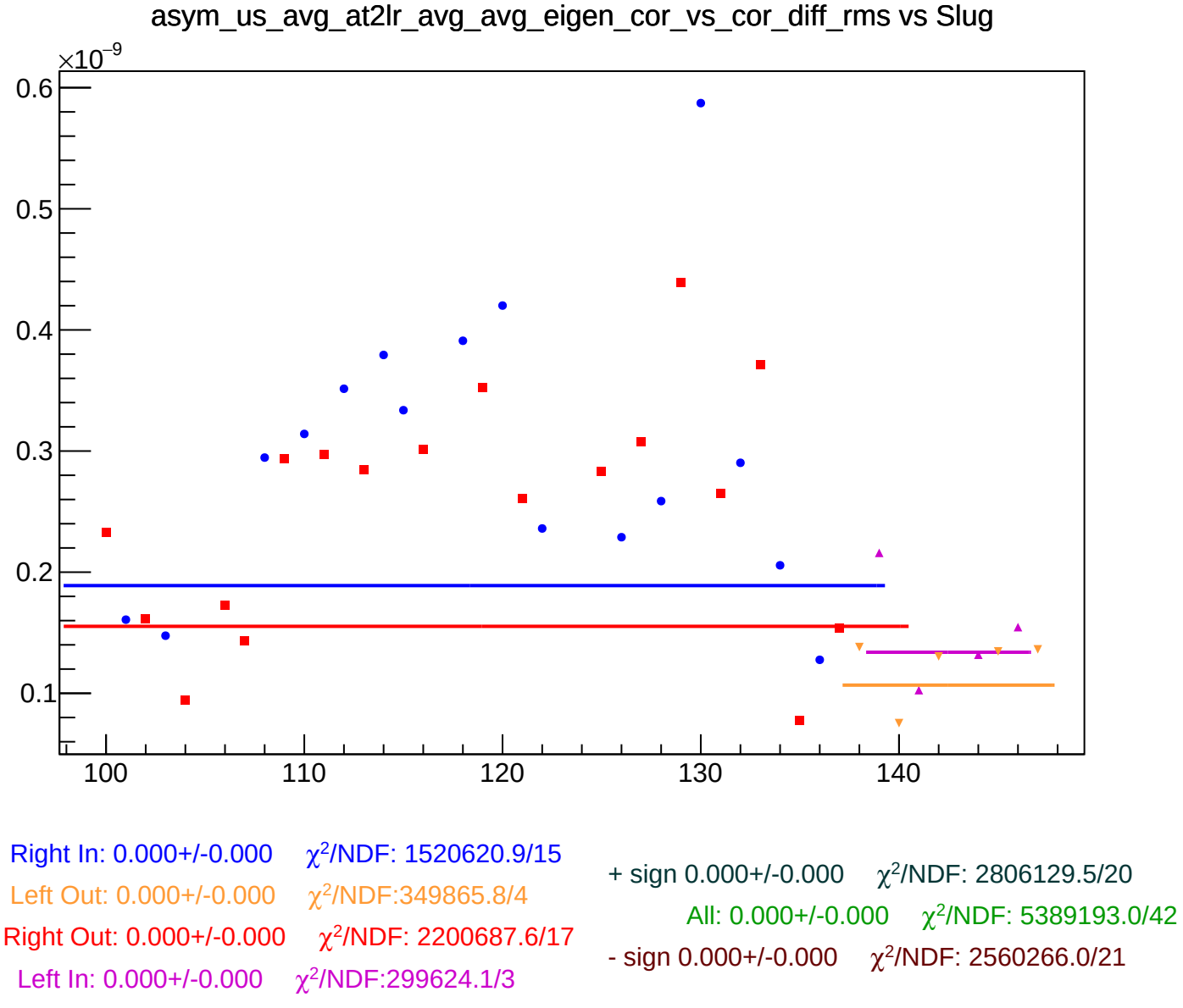
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

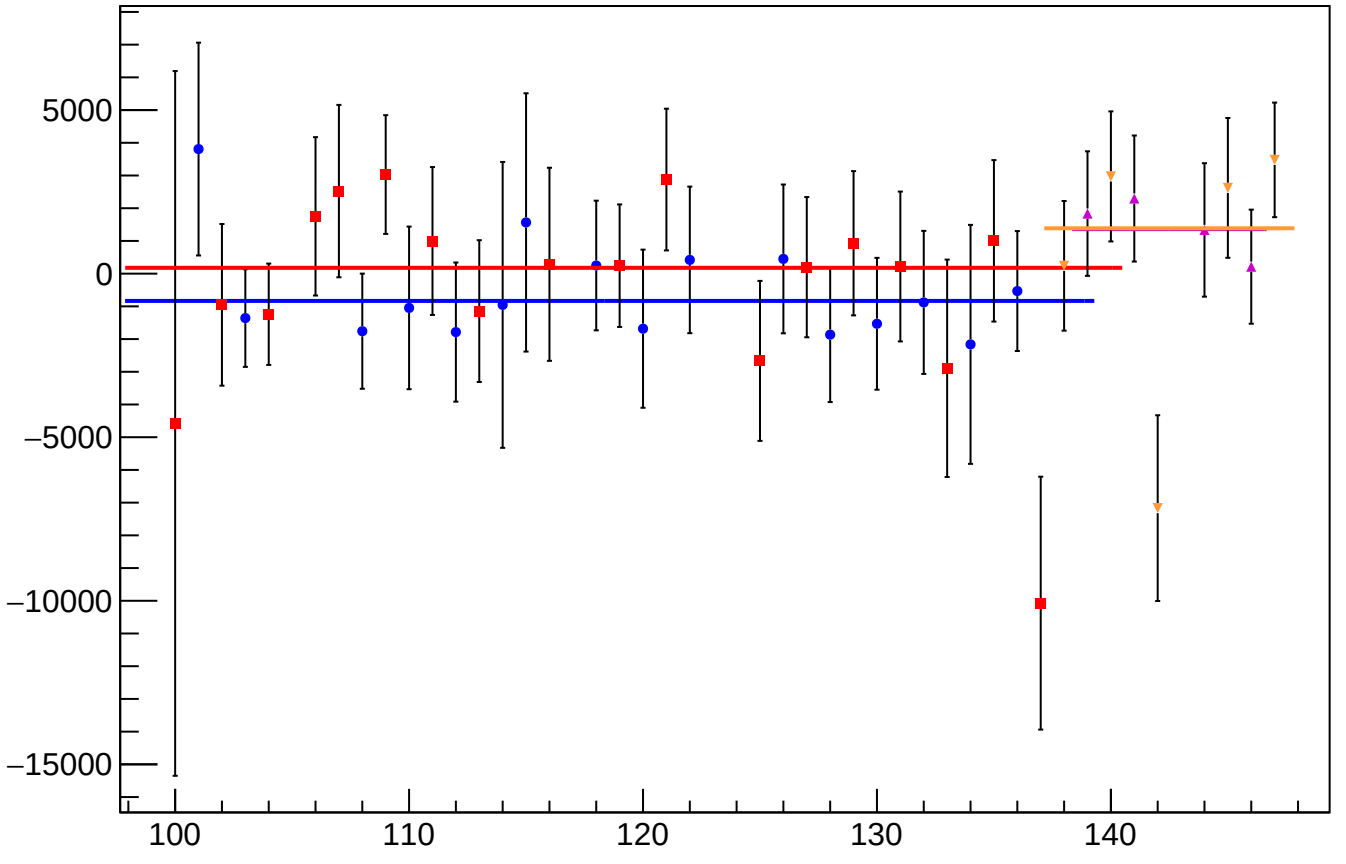
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/20

All: -0.000+/-0.000 χ^2/NDF: 29.6/42

- sign -0.000+/-0.000 χ^2/NDF: 14.9/21


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:349865.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:299624.1/3
+ sign 0.000+/-0.000 χ²/NDF: 2806129.5/20
All: 0.000+/-0.000 χ²/NDF: 5389193.0/42
- sign 0.000+/-0.000 χ²/NDF: 2560266.0/21



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1386.481+/-921.939 χ^2/NDF:11.8/4

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

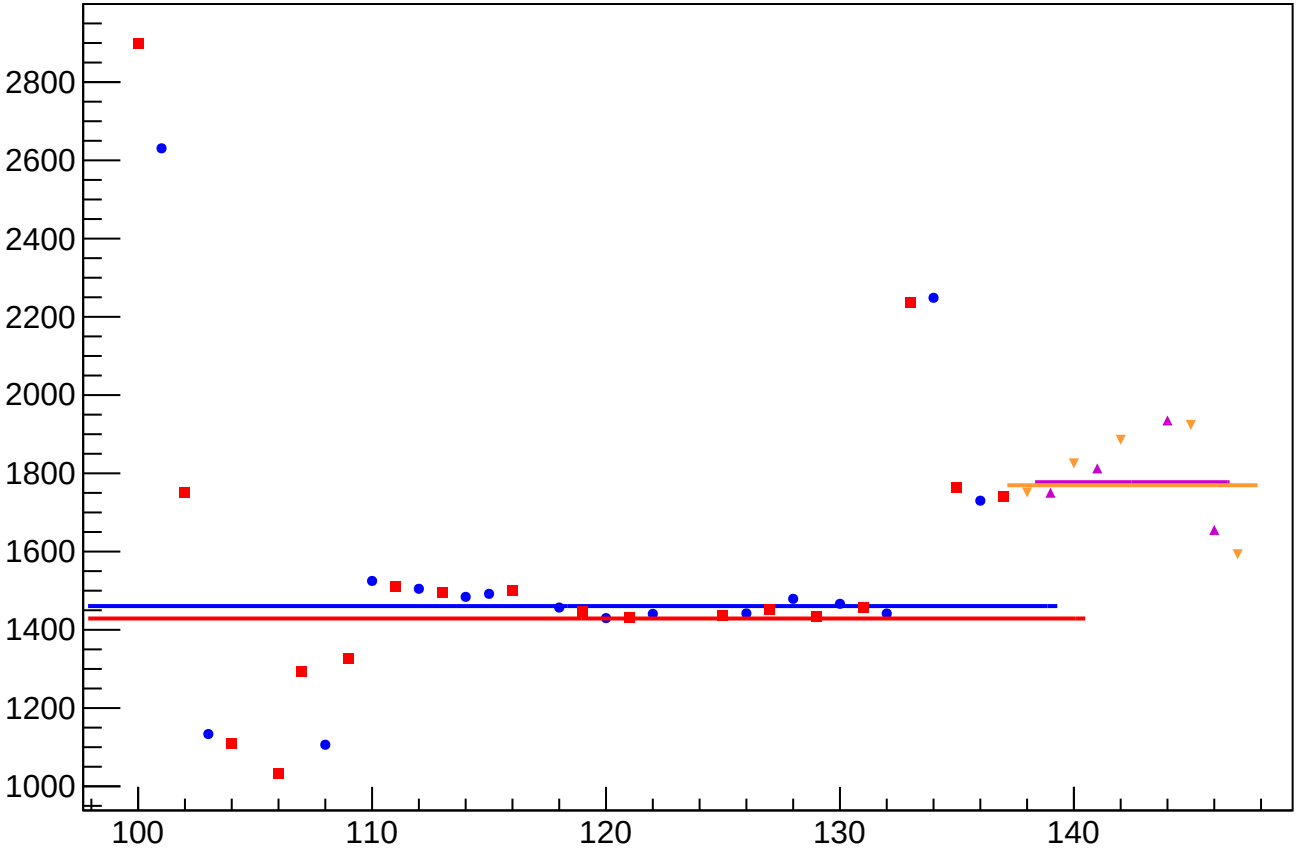
Left In: 1360.495+/-947.256 χ^2/NDF:0.7/3

+ sign -243.235+/-475.385 χ^2/NDF: 20.7/20

All: 116.553+/-335.738 χ^2/NDF: 40.2/42

- sign 474.593+/-474.229 χ^2/NDF: 18.4/21

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

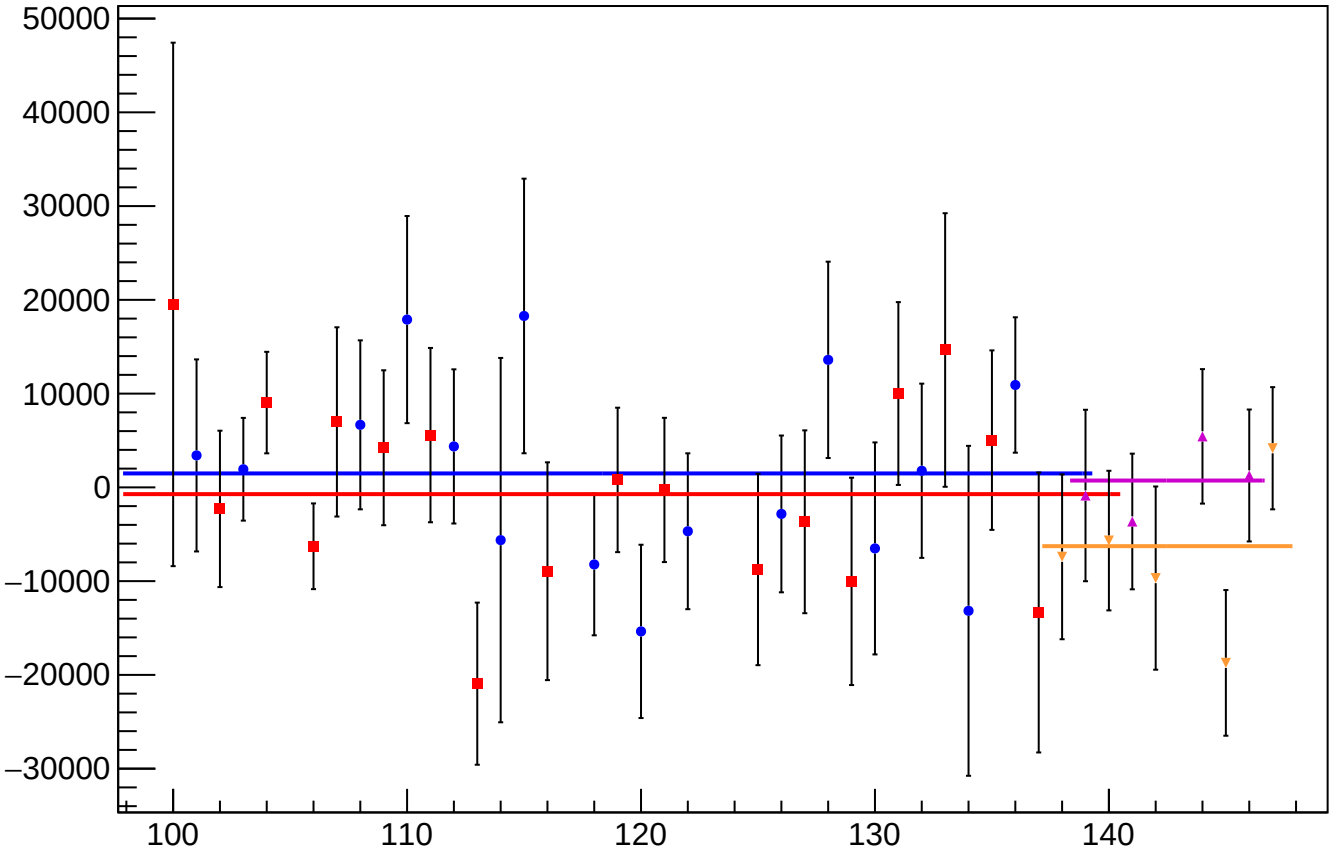
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.2/20

All: 1528.930+/-0.237 χ^2/NDF: 1417336.6/42

- sign 1515.288+/-0.333 χ^2/NDF: 637569.3/21



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -6269.901+/-3501.334 χ^2/NDF:5.3/4

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

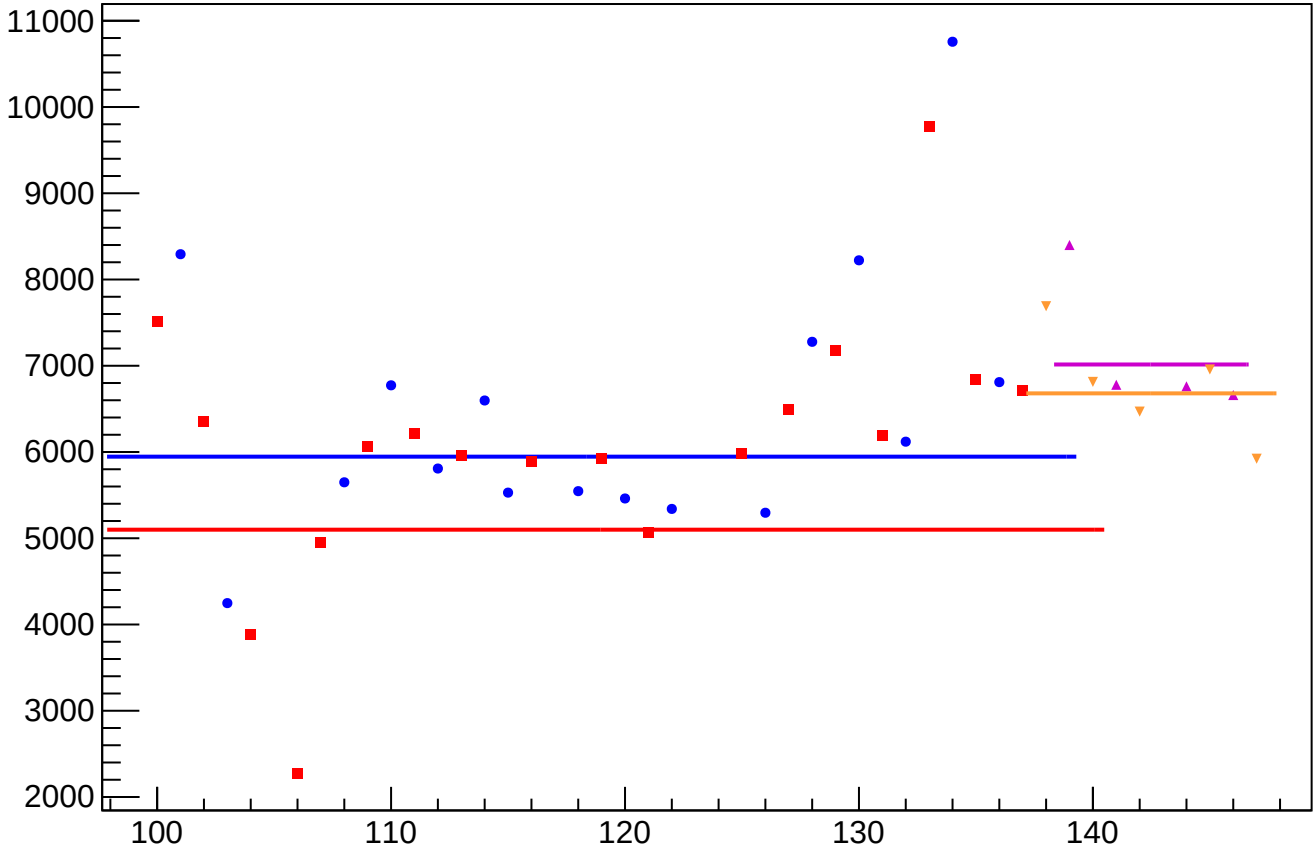
Left In: 728.661+/-3760.580 χ^2/NDF:0.8/3

\+ sign -805.426+/-1903.559 χ^2/NDF: 22.9/20

All: -587.265+/-1297.695 χ^2/NDF: 41.4/42

\- sign -397.845+/-1773.745 χ^2/NDF: 18.5/21

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6679.874+/-2.476 χ^2/NDF:57569.5/4

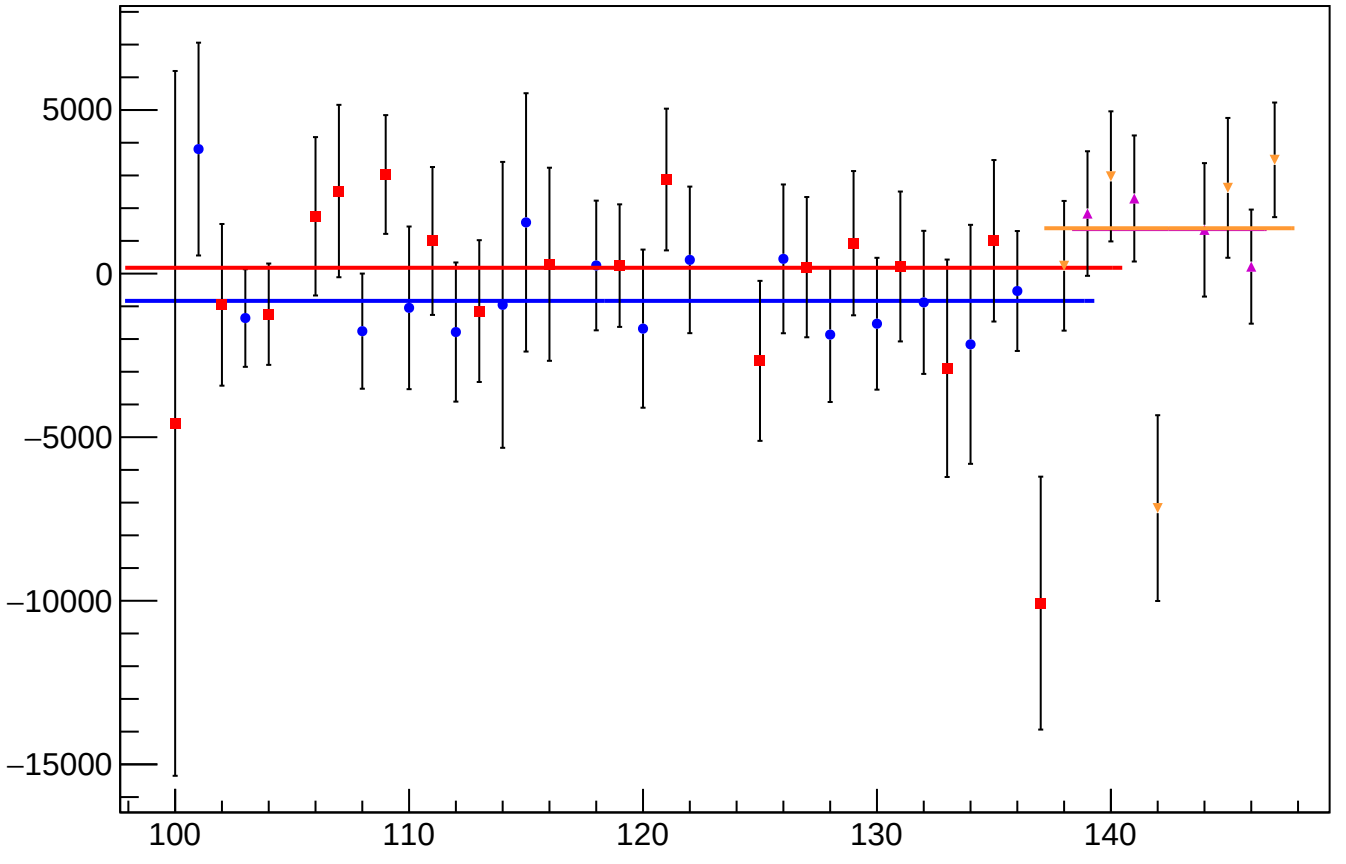
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7014.769+/-2.659 χ^2/NDF:55578.8/3

+ sign 6162.970+/-1.346 χ^2/NDF: 760580.5/20

All: 5821.756+/-0.918 χ^2/NDF: 2820000.3/42

- sign 5525.493+/-1.254 χ^2/NDF: 1939362.4/21



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1386.327+/-921.939 χ^2/NDF:11.8/4

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

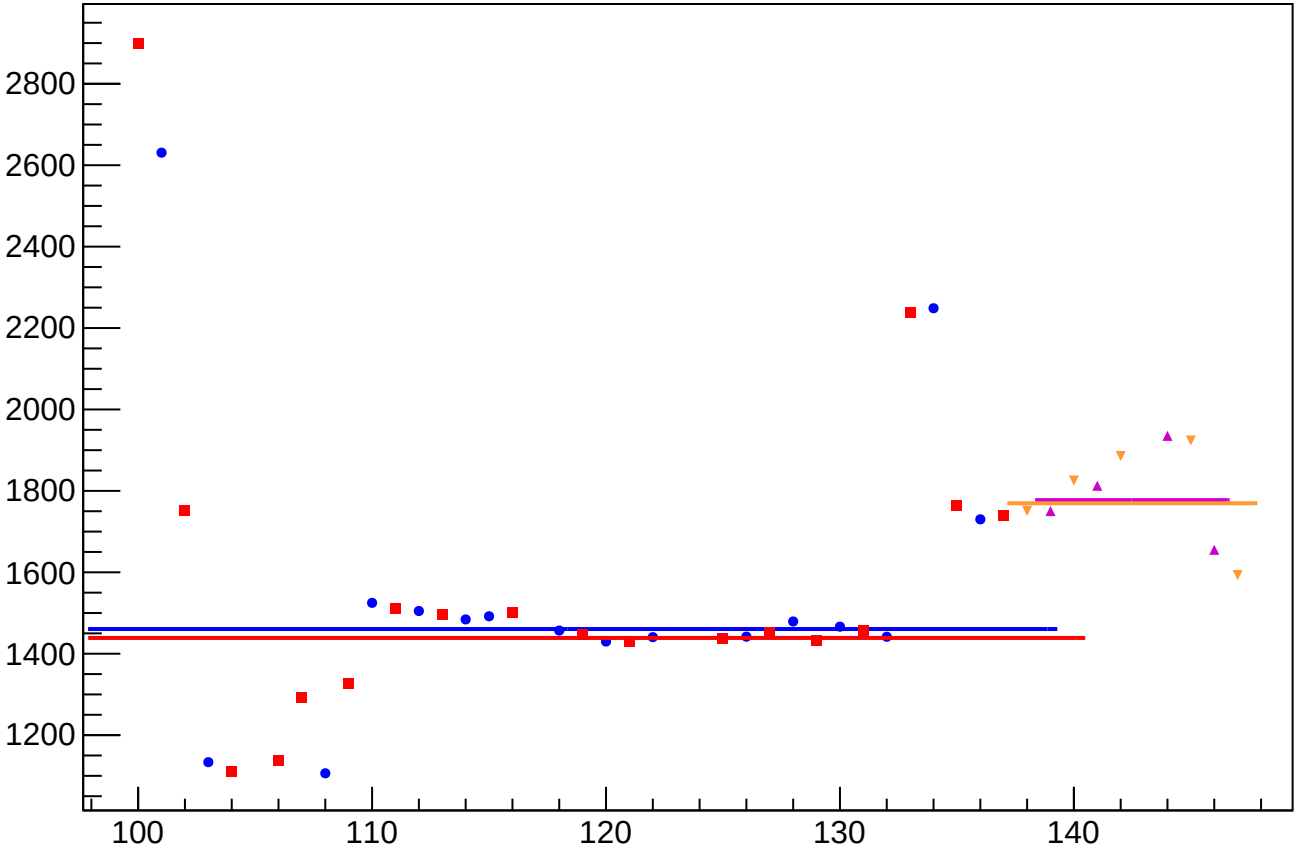
Left In: 1360.679+/-947.256 χ^2/NDF:0.7/3

+ sign -243.321+/-475.385 χ^2/NDF: 20.7/20

All: 116.473+/-335.738 χ^2/NDF: 40.2/42

- sign 474.519+/-474.229 χ^2/NDF: 18.4/21

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

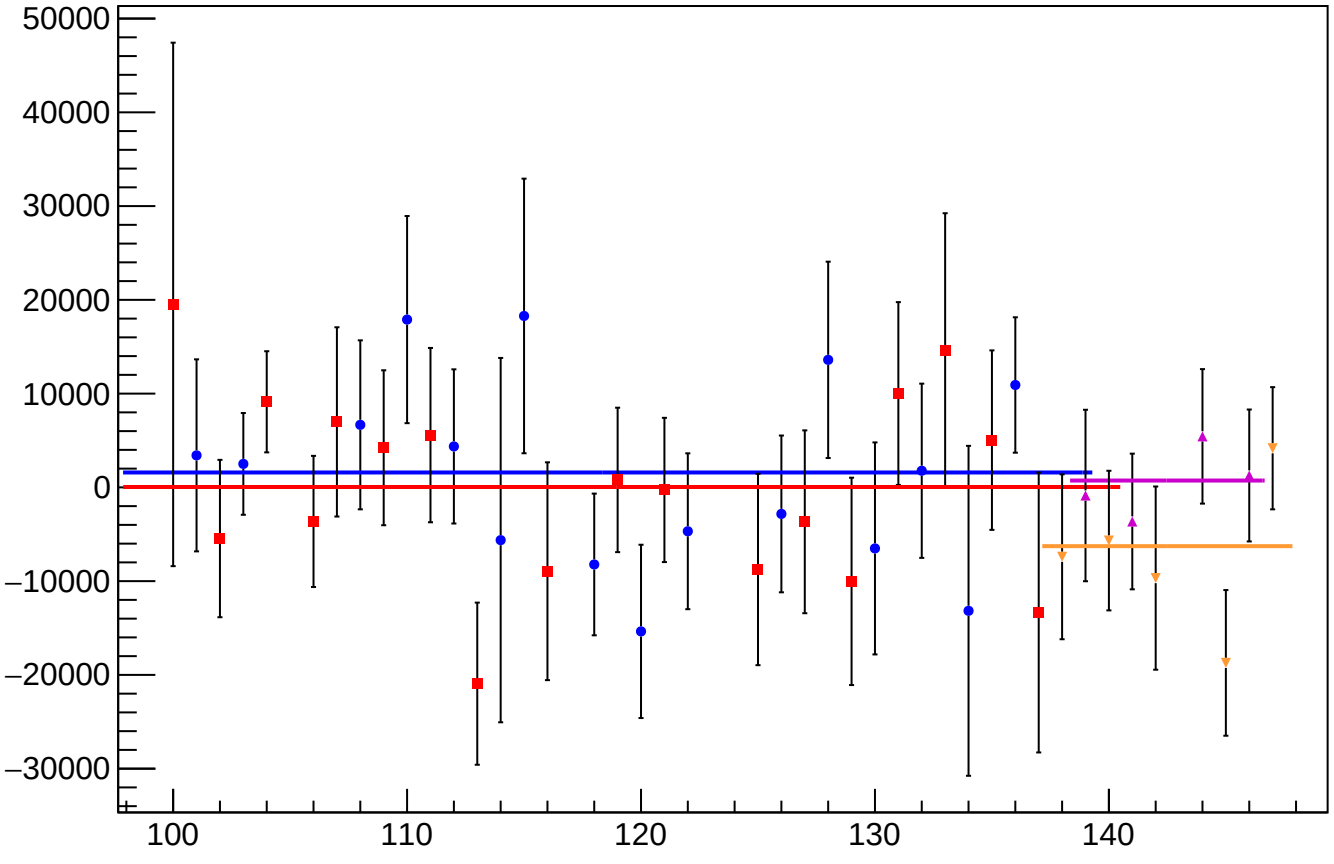
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.5/20

All: 1533.018+/-0.237 χ^2/NDF: 1365944.7/42

- sign 1523.325+/-0.335 χ^2/NDF: 587867.2/21



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6269.944+/-3501.332 χ^2/NDF:5.3/4

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

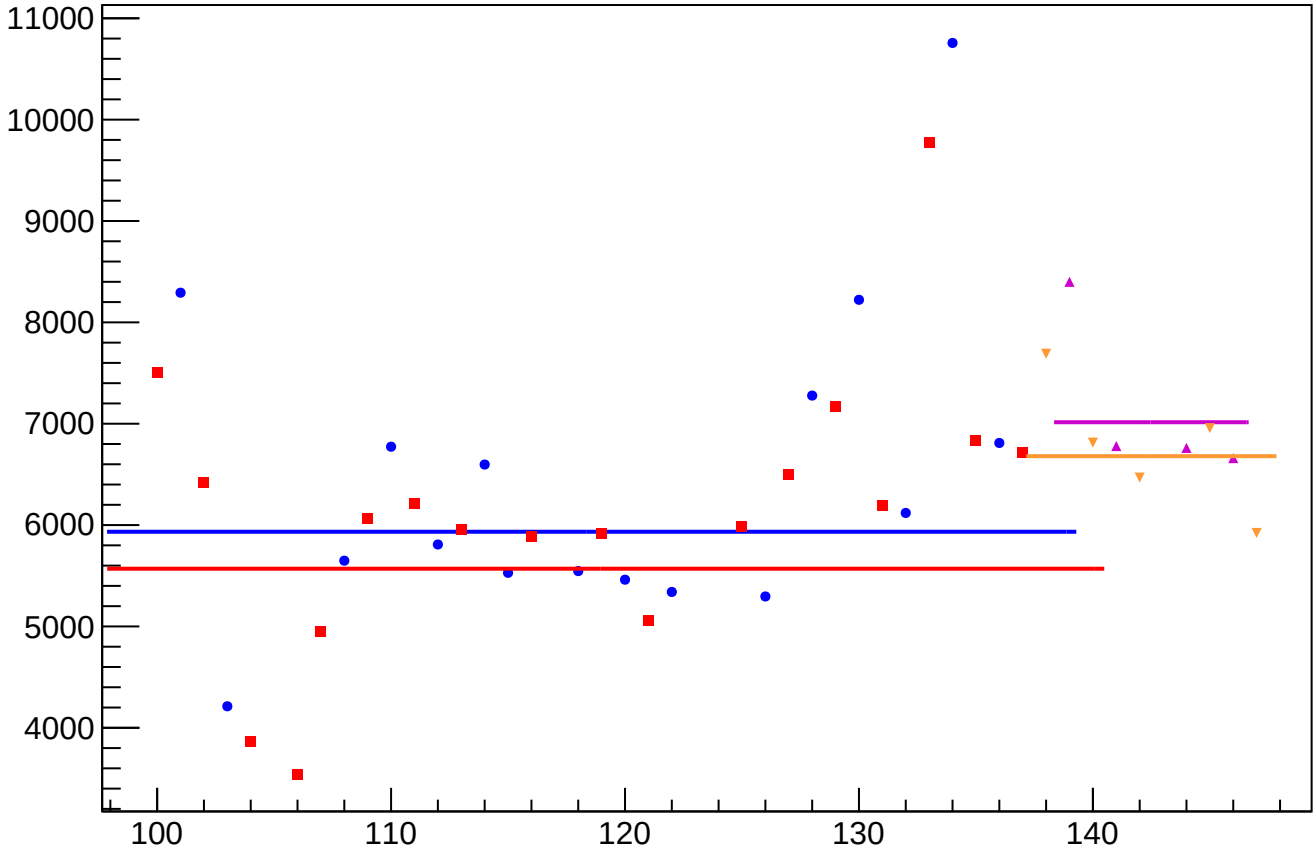
Left In: 728.703+/-3760.577 χ^2/NDF:0.8/3

\+ sign -728.703+/-1901.329 χ^2/NDF: 23.0/20

All: -248.826+/-1327.891 χ^2/NDF: 40.5/42

\- sign 208.127+/-1855.358 χ^2/NDF: 17.3/21

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6679.870+/-2.476 χ^2/NDF:57568.0/4

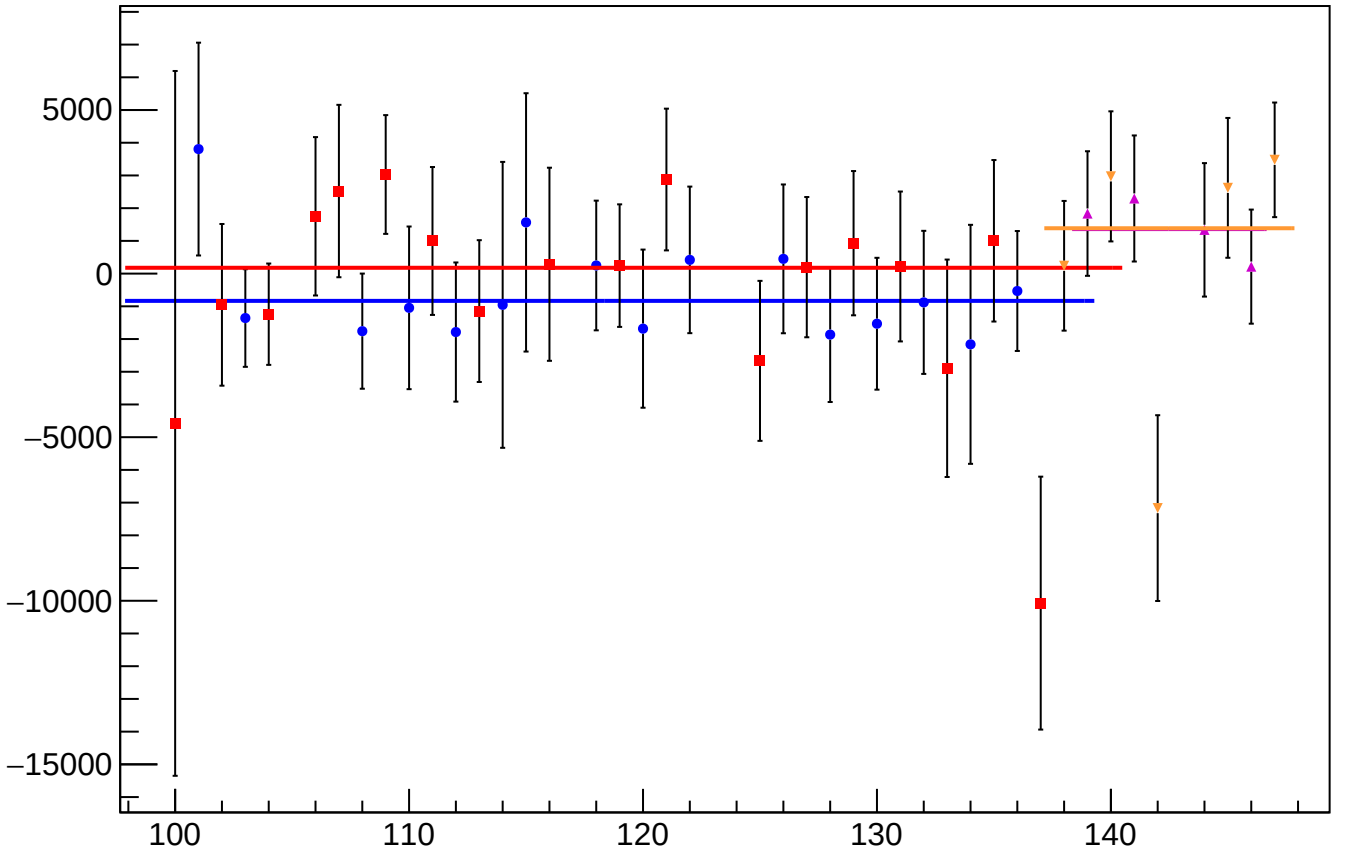
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

+ sign 6154.091+/-1.344 χ^2/NDF: 774610.9/20

All: 6034.887+/-0.939 χ^2/NDF: 1793050.4/42

- sign 5921.378+/-1.312 χ^2/NDF: 1003092.4/21



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1386.327+/-921.939 χ^2/NDF:11.8/4

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

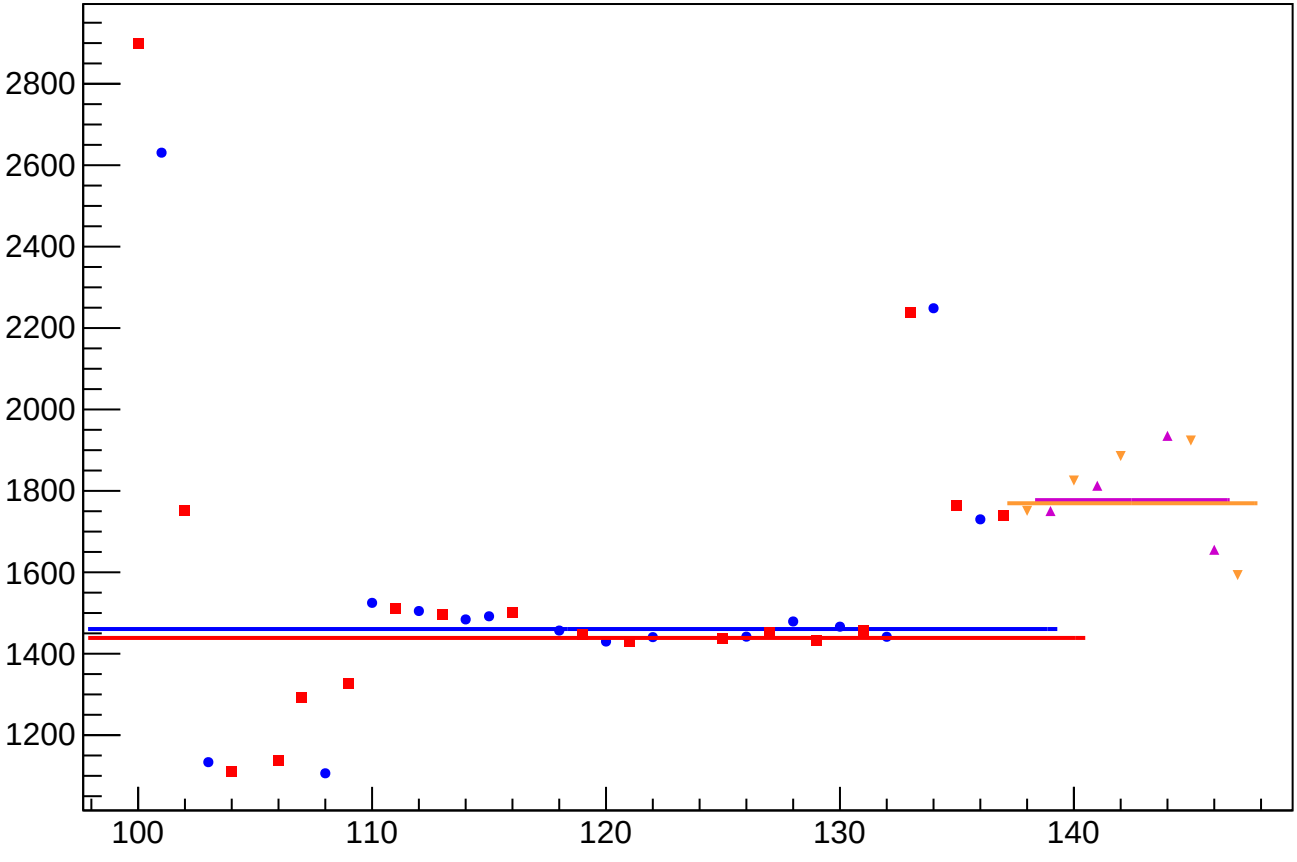
Left In: 1360.679+/-947.256 χ^2/NDF:0.7/3

+ sign -243.321+/-475.385 χ^2/NDF: 20.7/20

All: 116.473+/-335.738 χ^2/NDF: 40.2/42

- sign 474.519+/-474.229 χ^2/NDF: 18.4/21

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: 1769.585+/-0.652 χ^2/NDF:35795.9/4

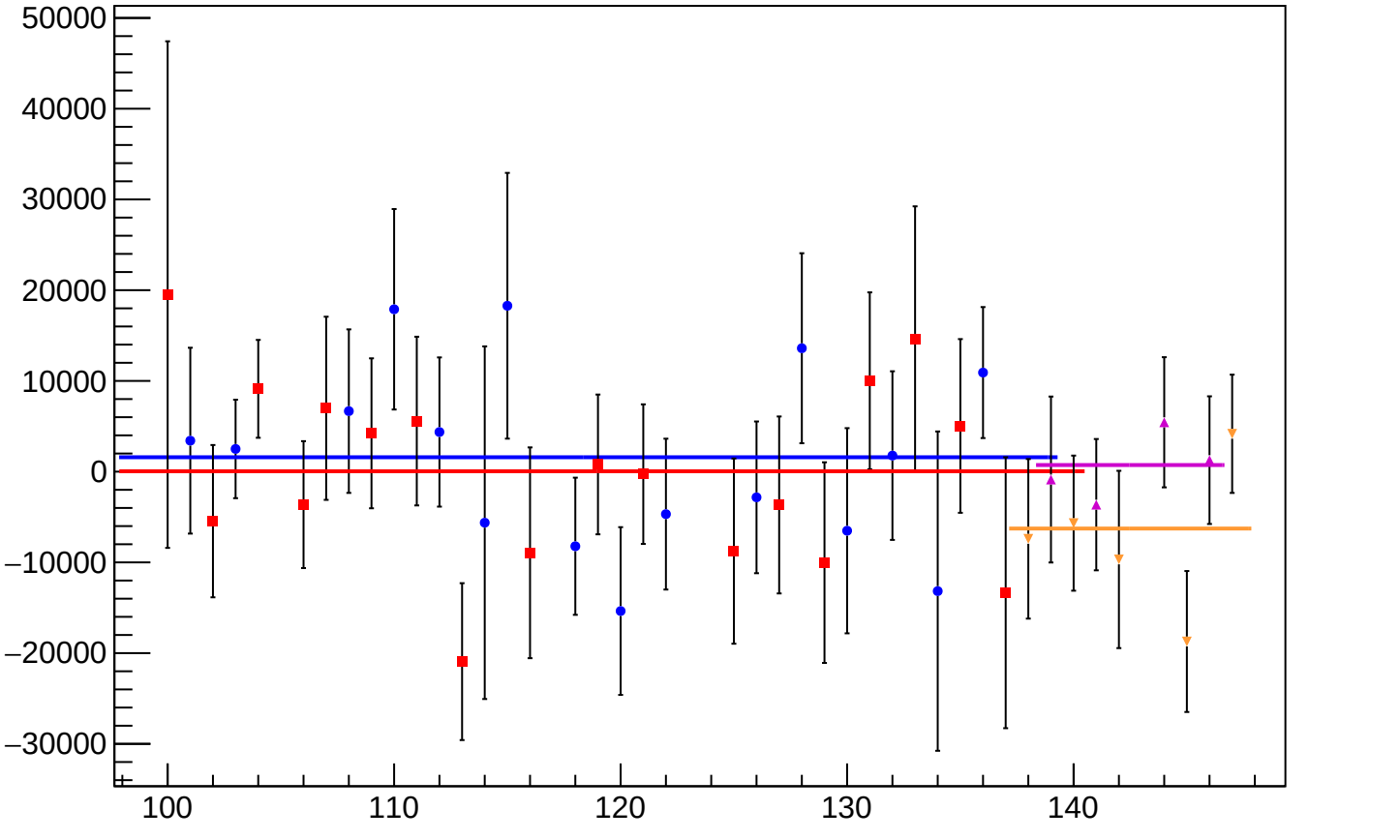
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.5/20

All: 1533.018+/-0.237 χ^2/NDF: 1365944.7/42

- sign 1523.325+/-0.335 χ^2/NDF: 587867.2/21



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6269.944+/-3501.332 χ^2/NDF:5.3/4

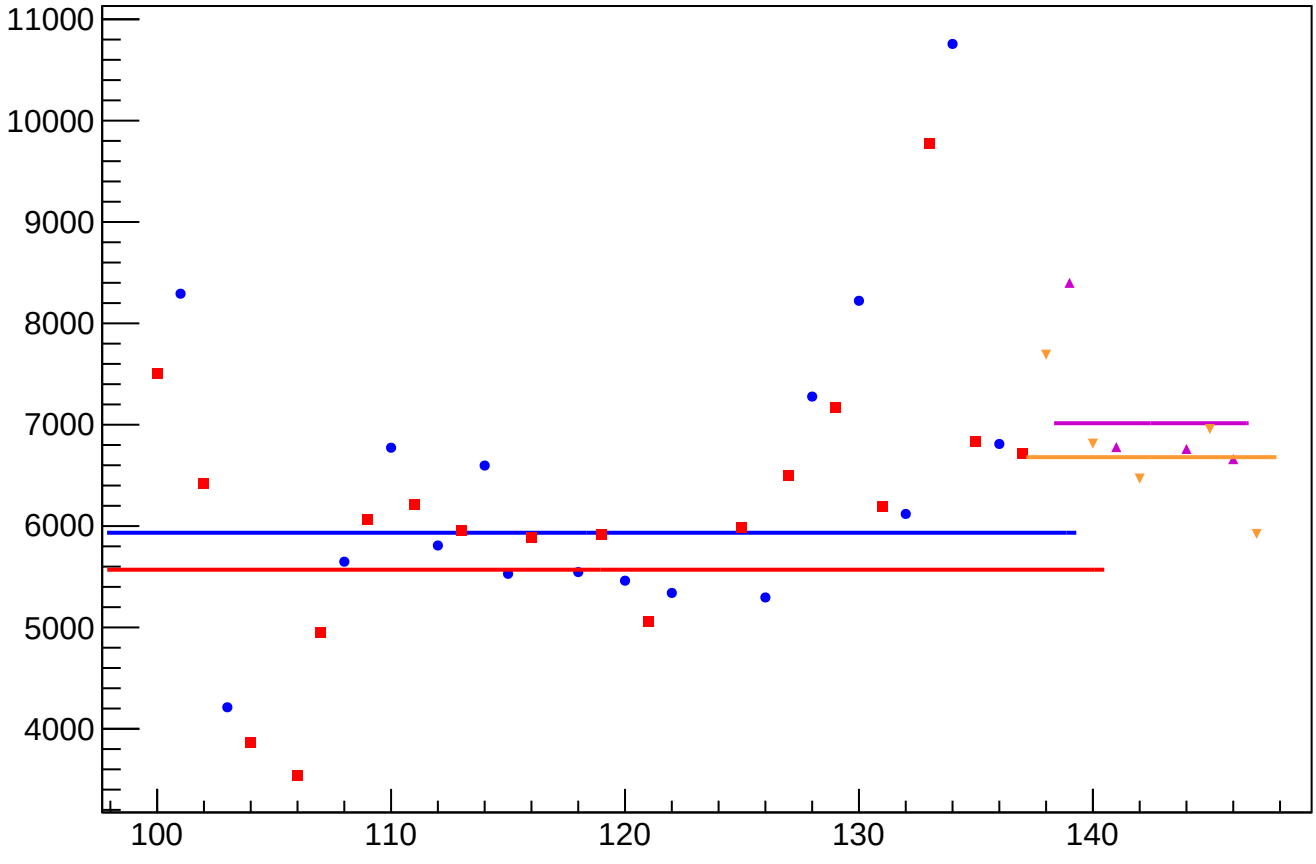
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 728.703+/-3760.577 χ^2/NDF:0.8/3

\+ sign -728.703+/-1901.329 χ^2/NDF: 23.0/20

All: -248.826+/-1327.891 χ^2/NDF: 40.5/42

\- sign 208.127+/-1855.358 χ^2/NDF: 17.3/21



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6679.870+/-2.476 χ^2/NDF:57568.0/4

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

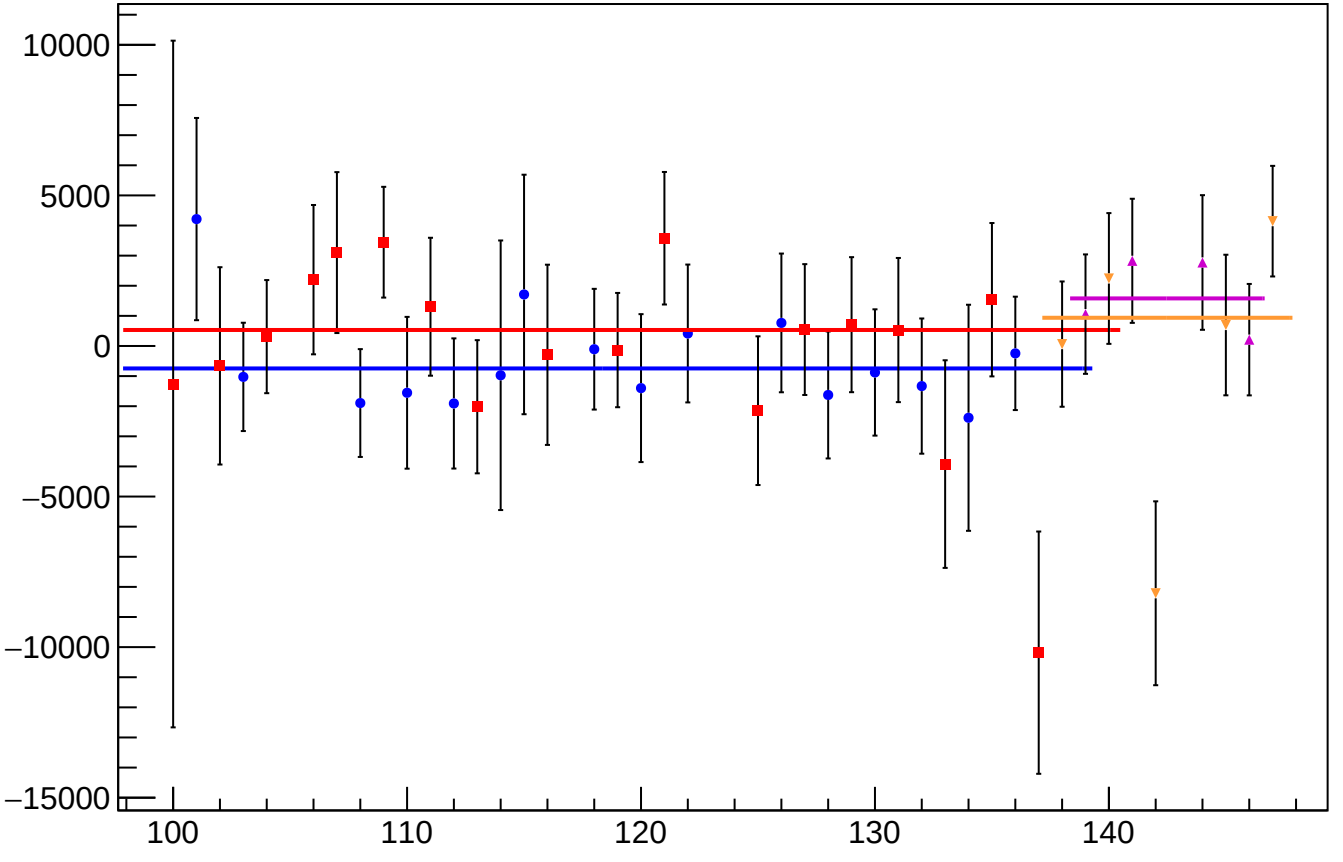
Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

+ sign 6154.091+/-1.344 χ^2/NDF: 774610.9/20

All: 6034.887+/-0.939 χ^2/NDF: 1793050.4/42

- sign 5921.378+/-1.312 χ^2/NDF: 1003092.4/21

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 936.913+/-985.048 χ^2/NDF:12.6/4

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

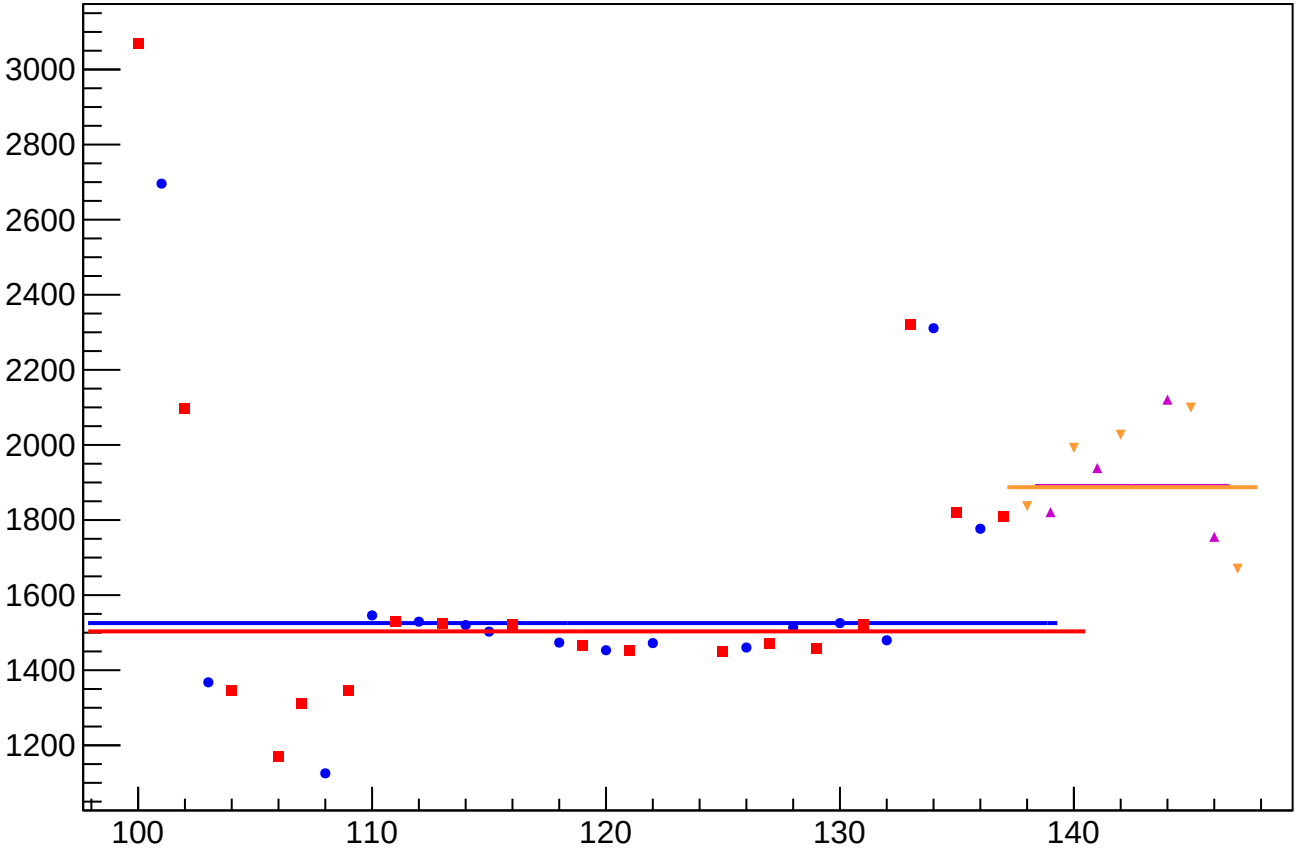
Left In: 1579.609+/-1009.094 χ^2/NDF:1.3/3

+ sign -314.829+/-498.562 χ^2/NDF: 19.5/20

All: 235.530+/-352.924 χ^2/NDF: 41.8/42

- sign 788.321+/-499.661 χ^2/NDF: 19.8/21

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1887.469+/-0.697 χ^2/NDF:54393.4/4

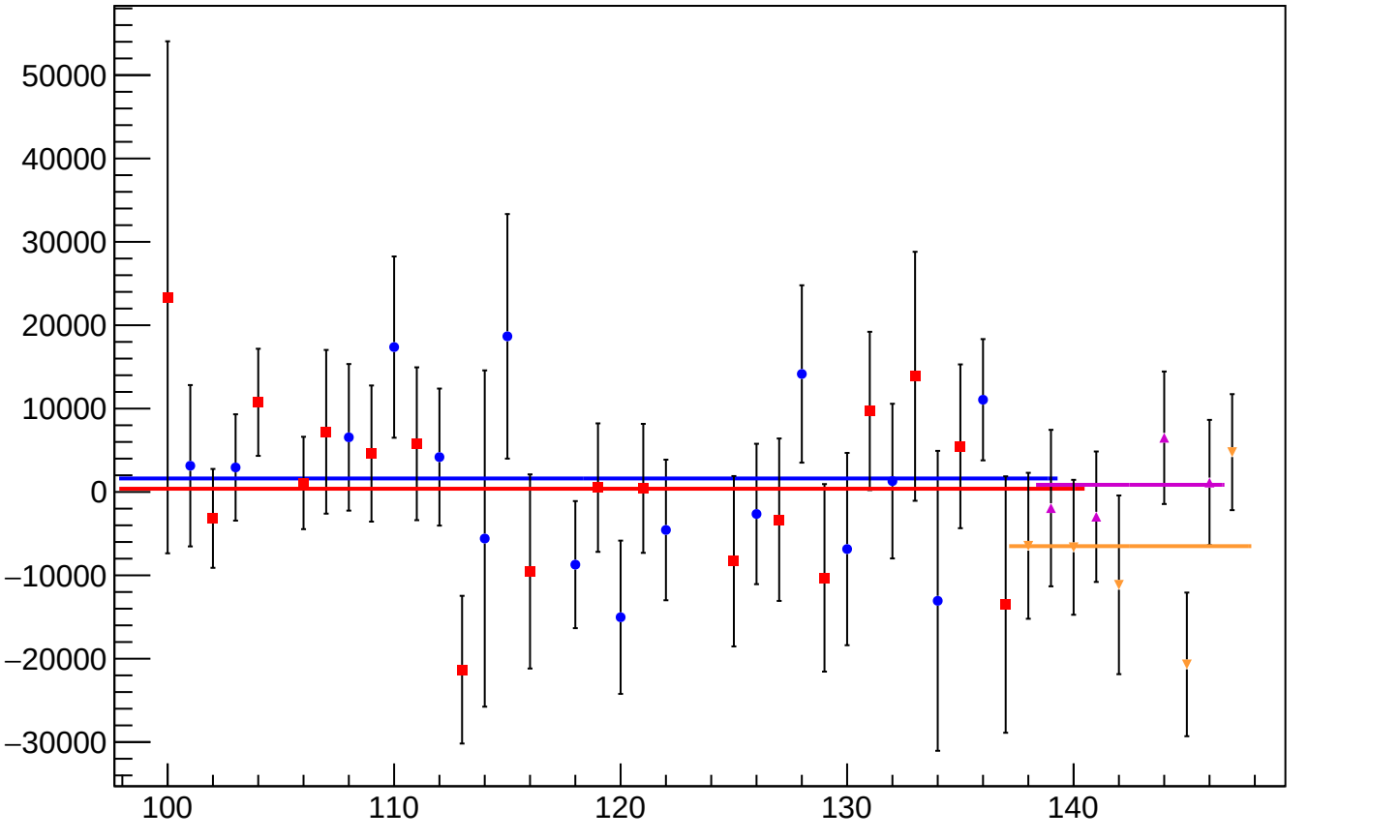
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1890.673+/-0.714 χ^2/NDF:35424.1/3

+ sign 1618.251+/-0.353 χ^2/NDF: 743560.9/20

All: 1608.314+/-0.250 χ^2/NDF: 1341430.6/42

- sign 1598.336+/-0.353 χ^2/NDF: 596277.3/21



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6500.437+/-3748.825 χ^2/NDF:5.5/4

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

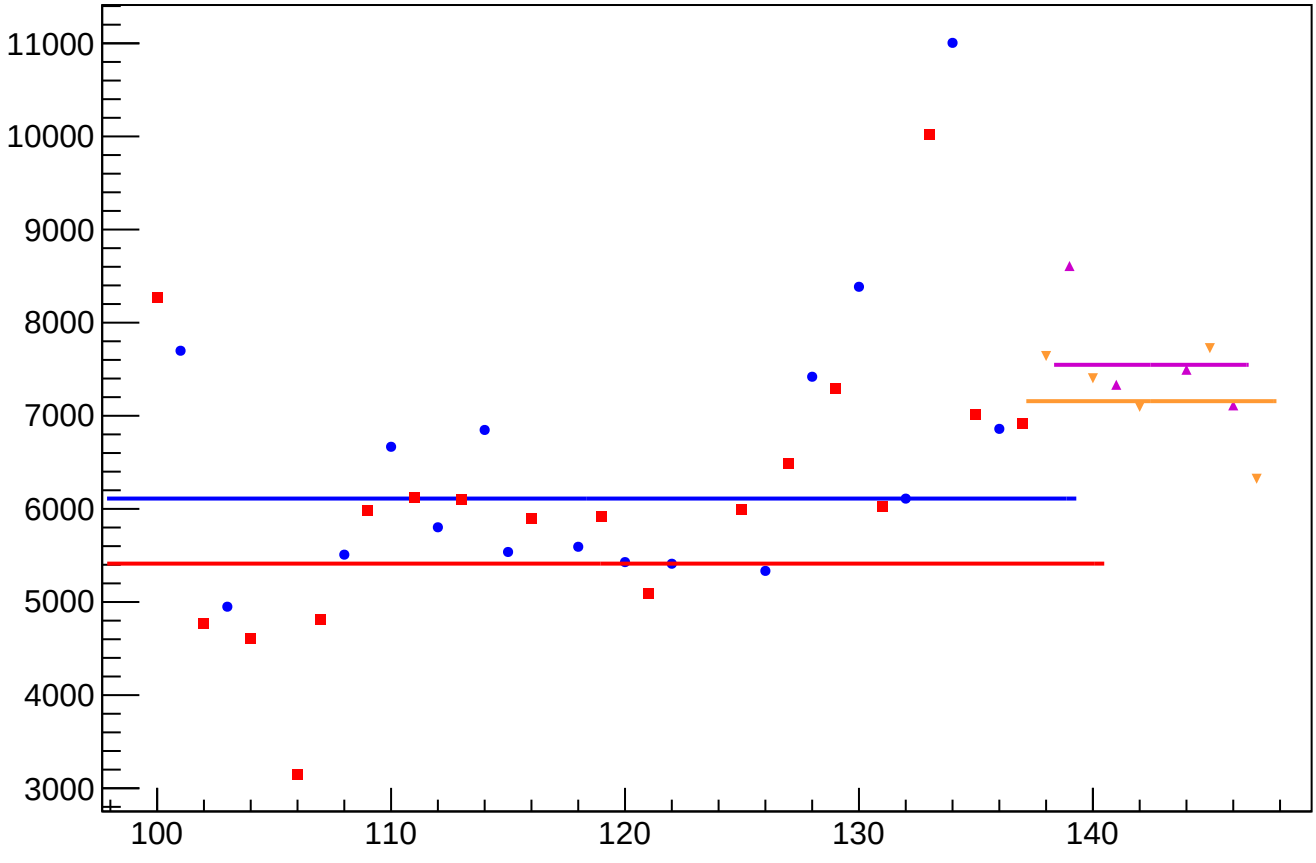
Left In: 857.706+/-4041.644 χ^2/NDF:0.8/3

\+ sign -628.780+/-1972.800 χ^2/NDF: 23.2/20

All: -32.842+/-1343.995 χ^2/NDF: 40.2/42

\- sign 483.292+/-1835.962 χ^2/NDF: 16.8/21

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: 7156.957+/-2.651 χ^2/NDF:45464.6/4

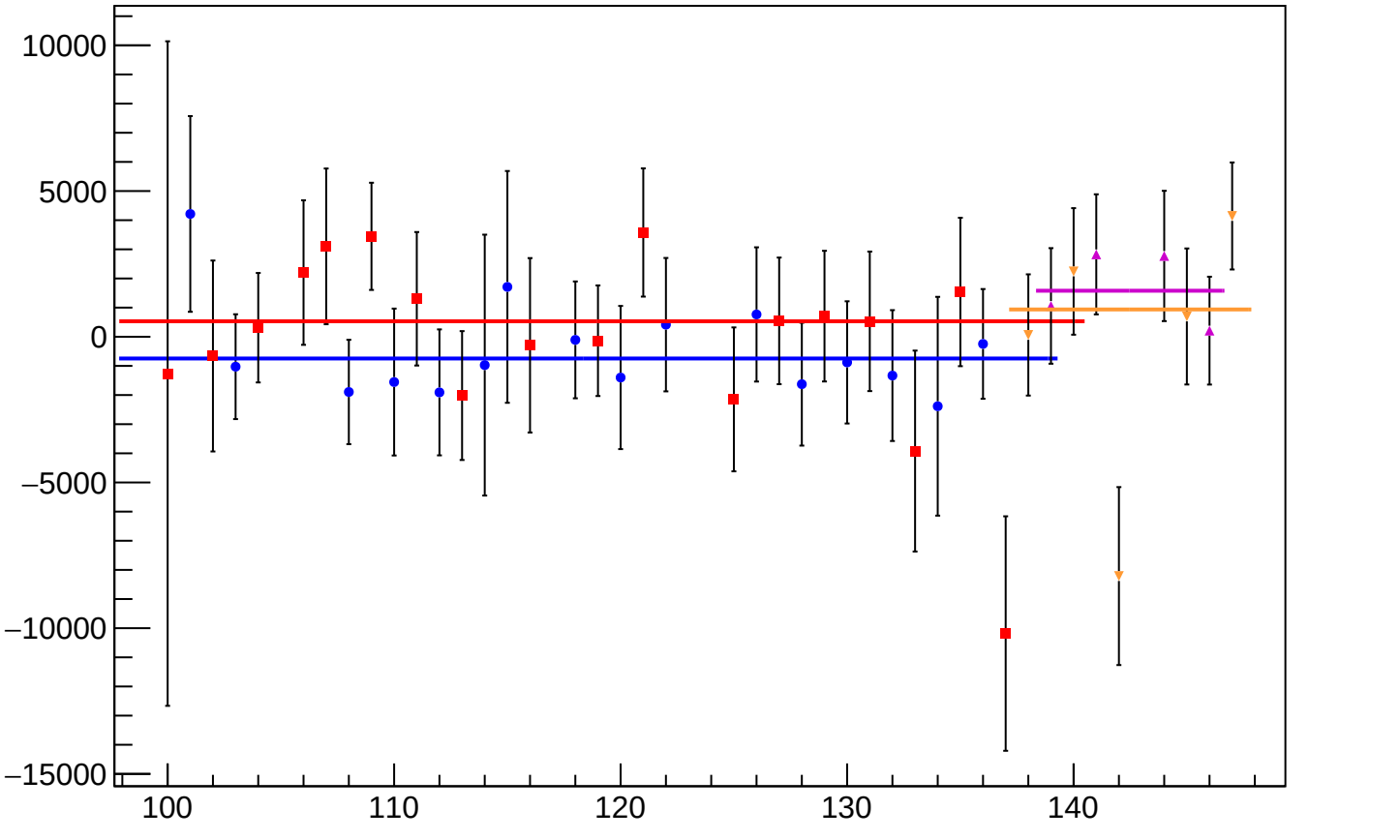
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7547.372+/-2.858 χ^2/NDF:33872.0/3

+ sign 6400.687+/-1.395 χ^2/NDF: 629694.1/20

All: 6107.117+/-0.950 χ^2/NDF: 2010713.7/42

- sign 5852.860+/-1.298 χ^2/NDF: 1298374.0/21



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 936.898+/-985.049 χ^2/NDF:12.6/4

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

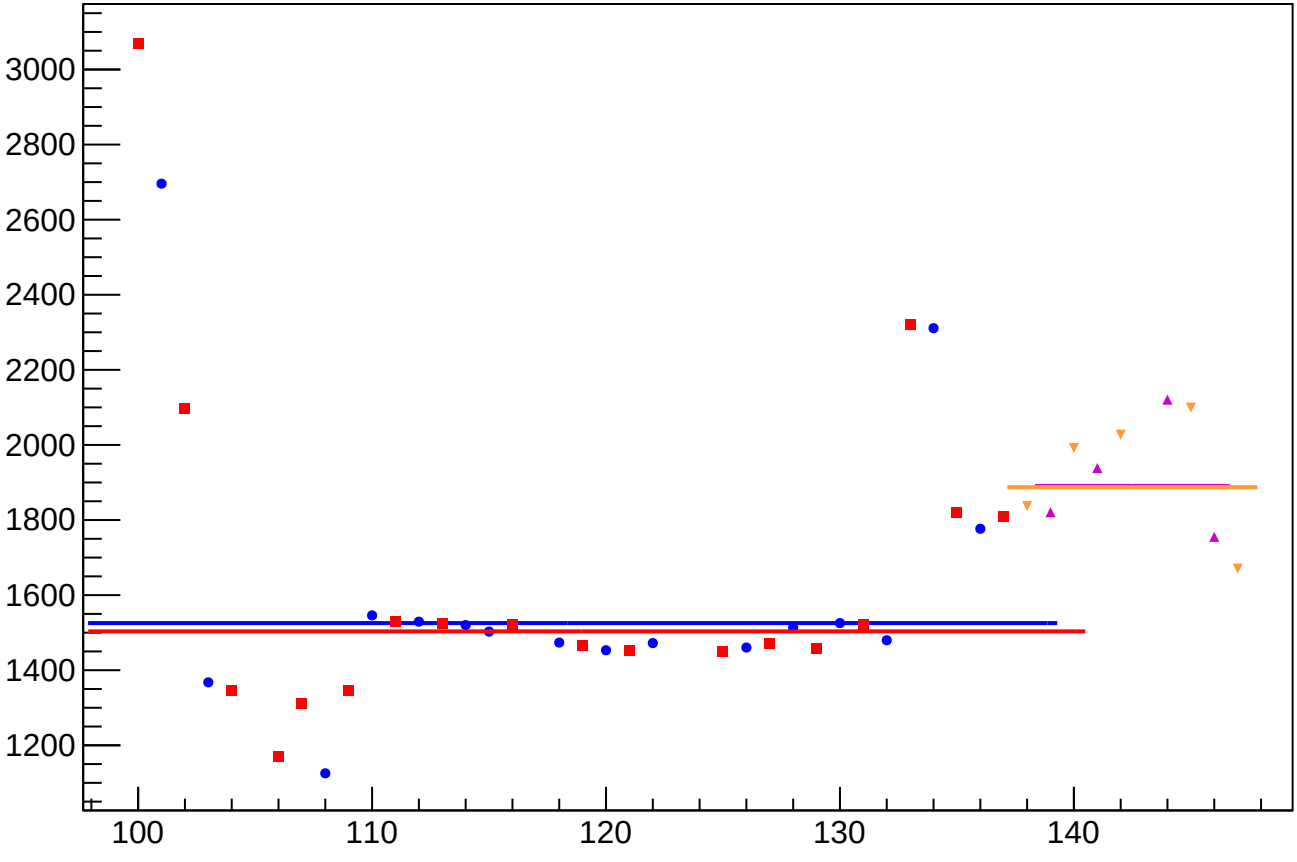
Left In: 1579.604+/-1009.096 χ^2/NDF:1.3/3

+ sign -314.837+/-498.562 χ^2/NDF: 19.5/20

All: 235.529+/-352.925 χ^2/NDF: 41.8/42

- sign 788.326+/-499.662 χ^2/NDF: 19.8/21

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: 1887.471+/-0.697 χ^2/NDF:54394.2/4

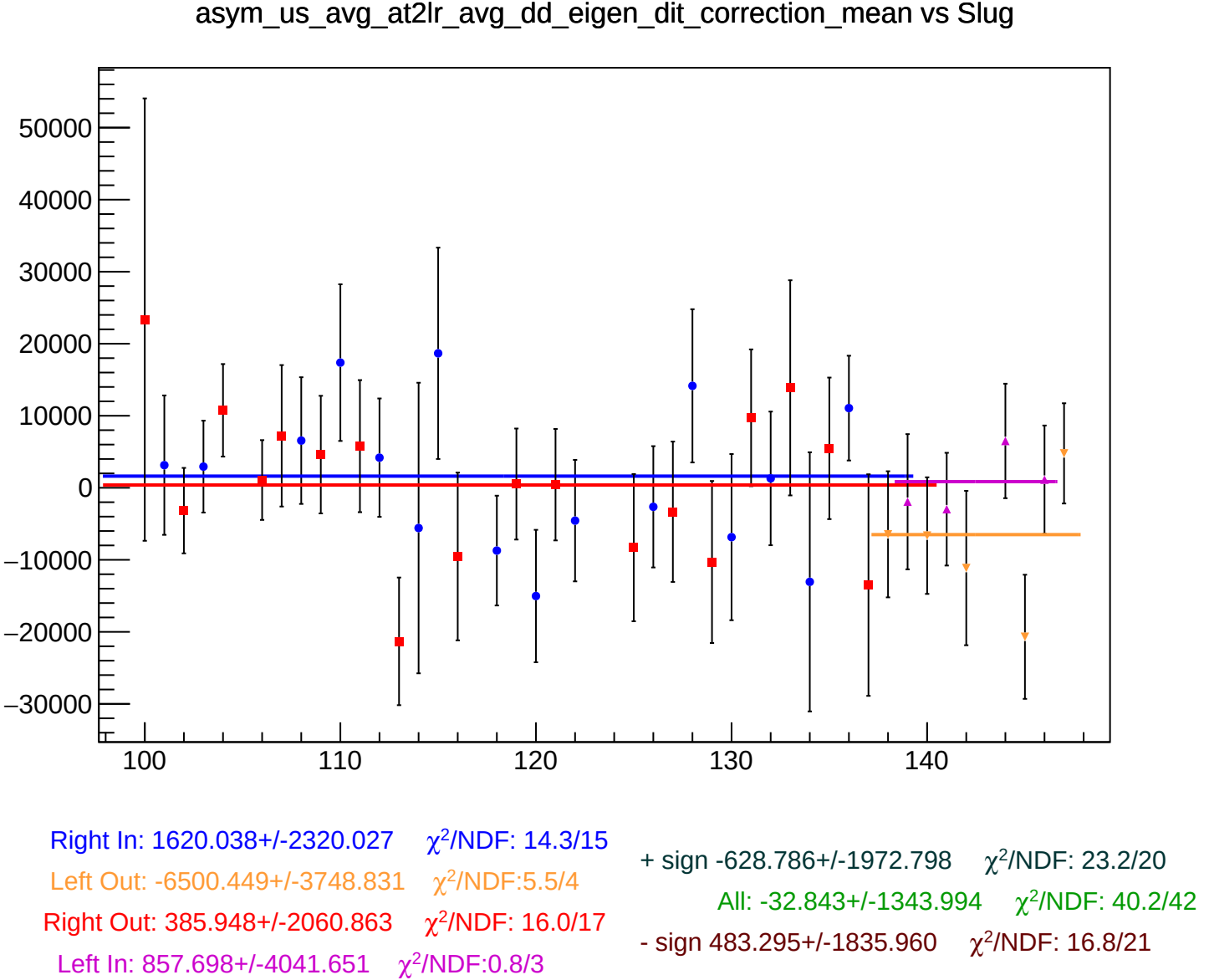
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

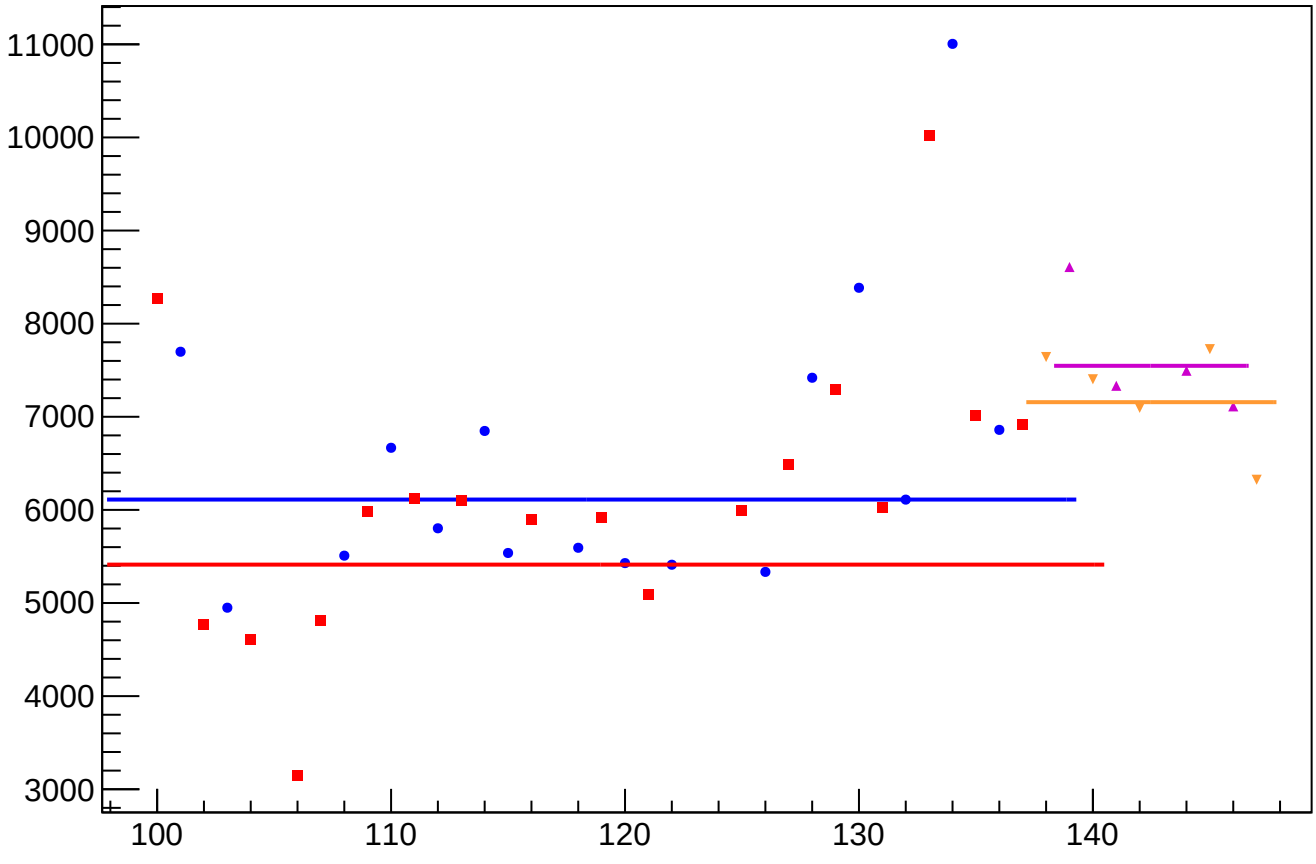
Left In: 1890.676+/-0.714 χ^2/NDF:35424.0/3

+ sign 1618.252+/-0.353 χ^2/NDF: 743563.2/20

All: 1608.314+/-0.250 χ^2/NDF: 1341435.6/42

- sign 1598.337+/-0.353 χ^2/NDF: 596280.1/21


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
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -6500.449+/-3748.831 χ²/NDF:5.5/4
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 857.698+/-4041.651 χ²/NDF:0.8/3
+ sign -628.786+/-1972.798 χ²/NDF: 23.2/20
All: -32.843+/-1343.994 χ²/NDF: 40.2/42
- sign 483.295+/-1835.960 χ²/NDF: 16.8/21



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7156.968+/-2.651 χ^2/NDF:45465.3/4

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

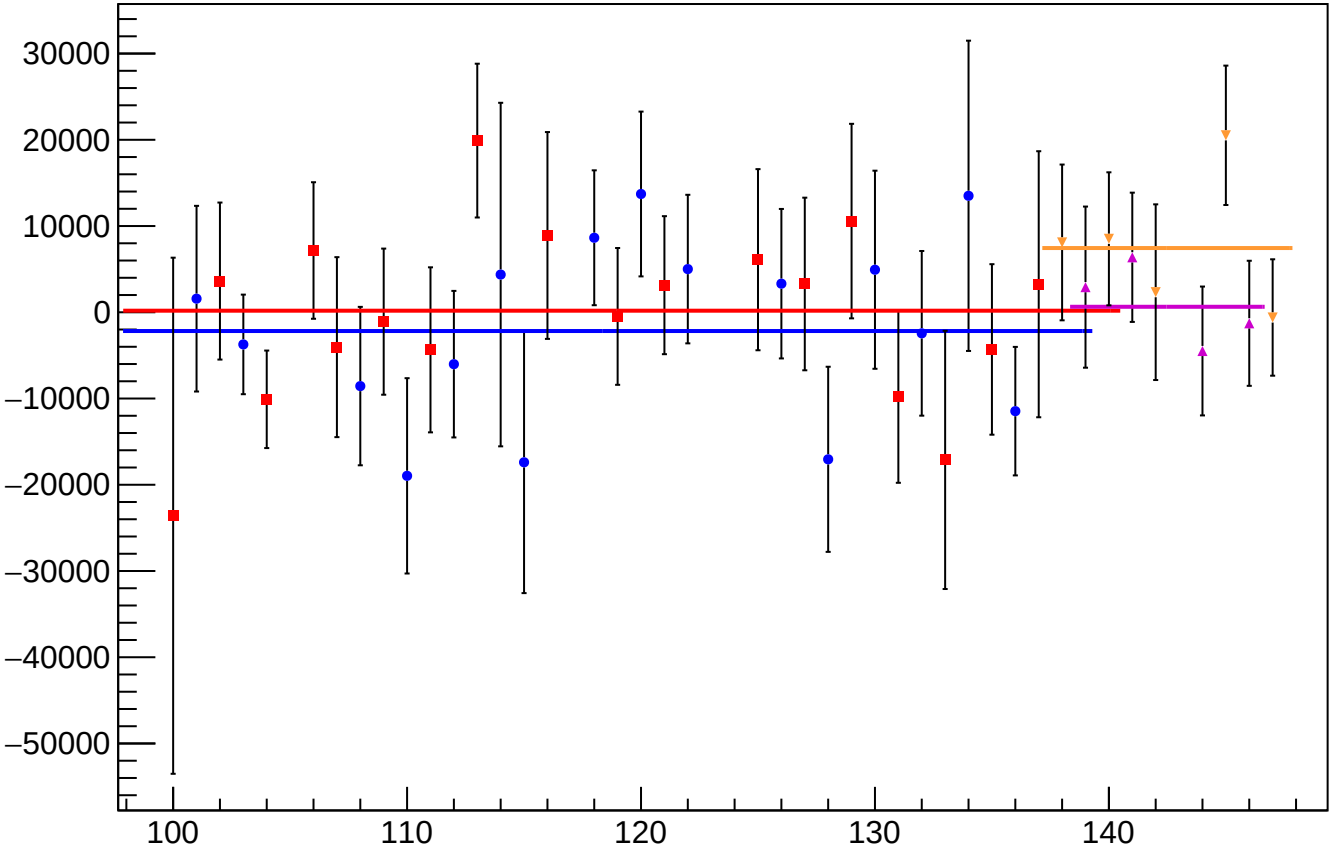
Left In: 7547.384+/-2.858 χ^2/NDF:33872.5/3

+ sign 6400.679+/-1.395 χ^2/NDF: 629702.0/20

All: 6107.108+/-0.950 χ^2/NDF: 2010731.5/42

- sign 5852.851+/-1.298 χ^2/NDF: 1298383.5/21

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 7448.345+/-3627.856 χ^2/NDF:4.3/4

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

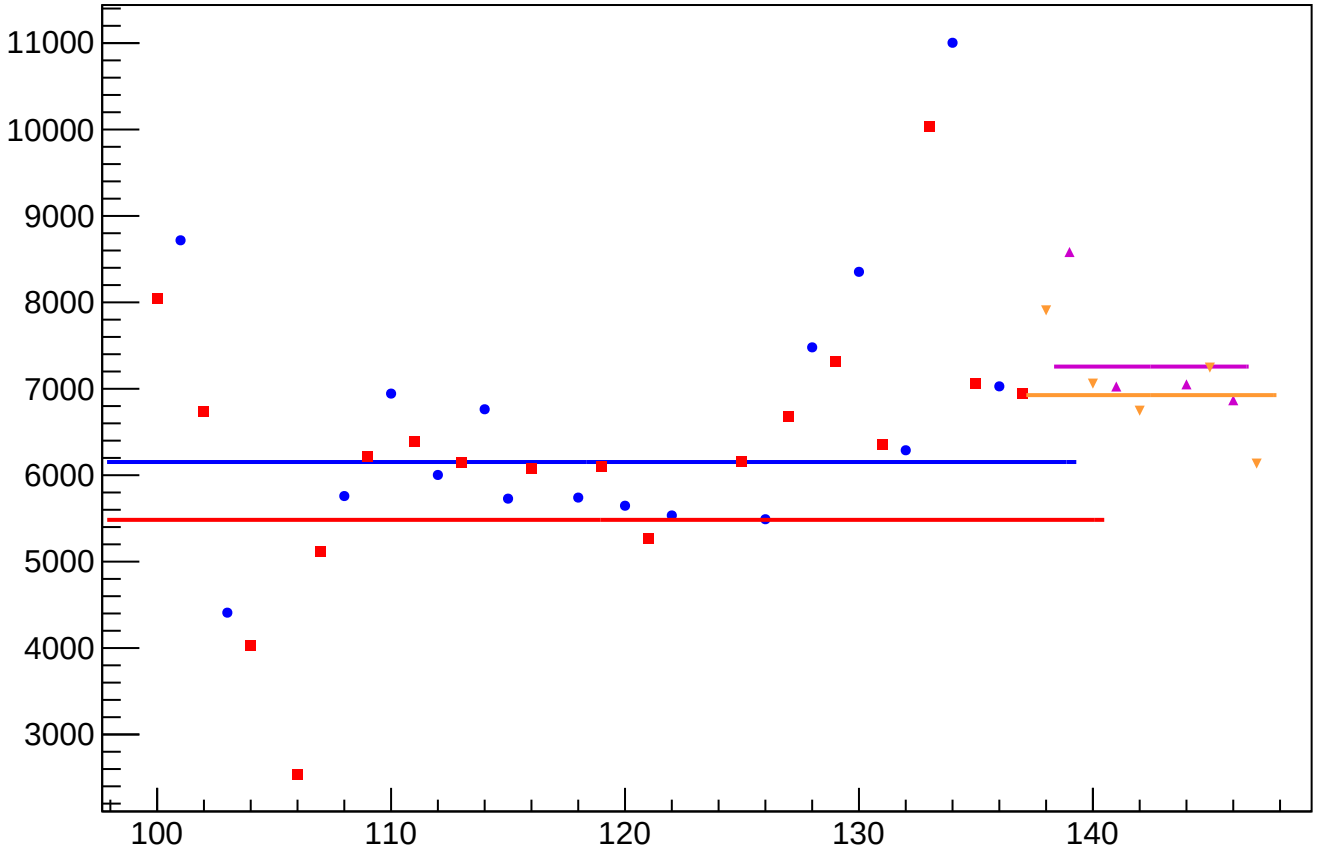
Left In: 637.907+/-3886.815 χ^2/NDF:1.2/3

+ sign 666.119+/-1970.972 χ^2/NDF: 23.9/20

All: 477.508+/-1380.259 χ^2/NDF: 39.7/42

- sign 295.994+/-1933.529 χ^2/NDF: 15.9/21

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6926.674+/-2.565 χ^2/NDF:55475.0/4

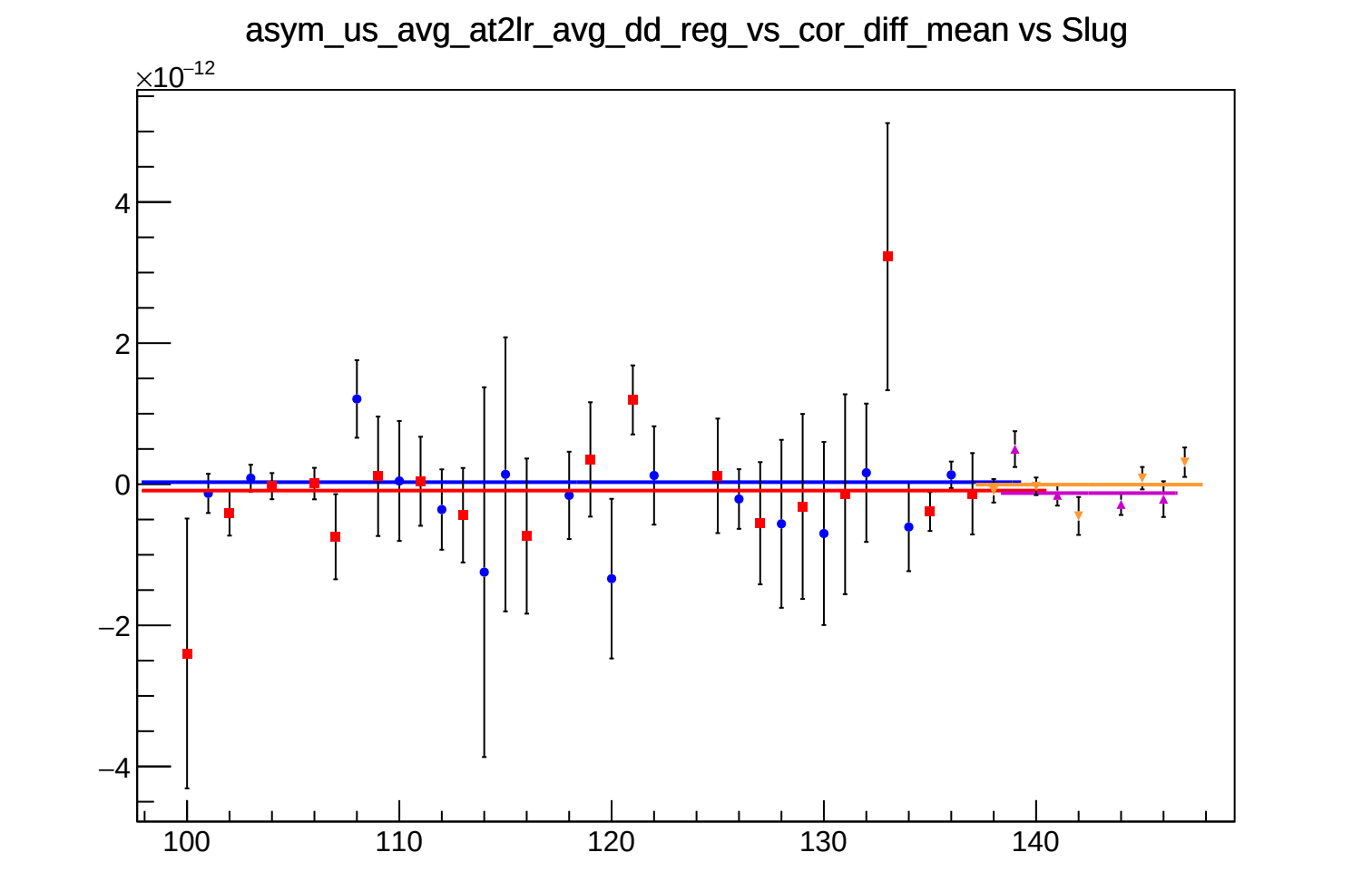
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7256.907+/-2.748 χ^2/NDF:49449.7/3

+ sign 6381.139+/-1.394 χ^2/NDF: 743664.7/20

All: 6128.512+/-0.962 χ^2/NDF: 2323540.7/42

- sign 5898.523+/-1.330 χ^2/NDF: 1517105.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

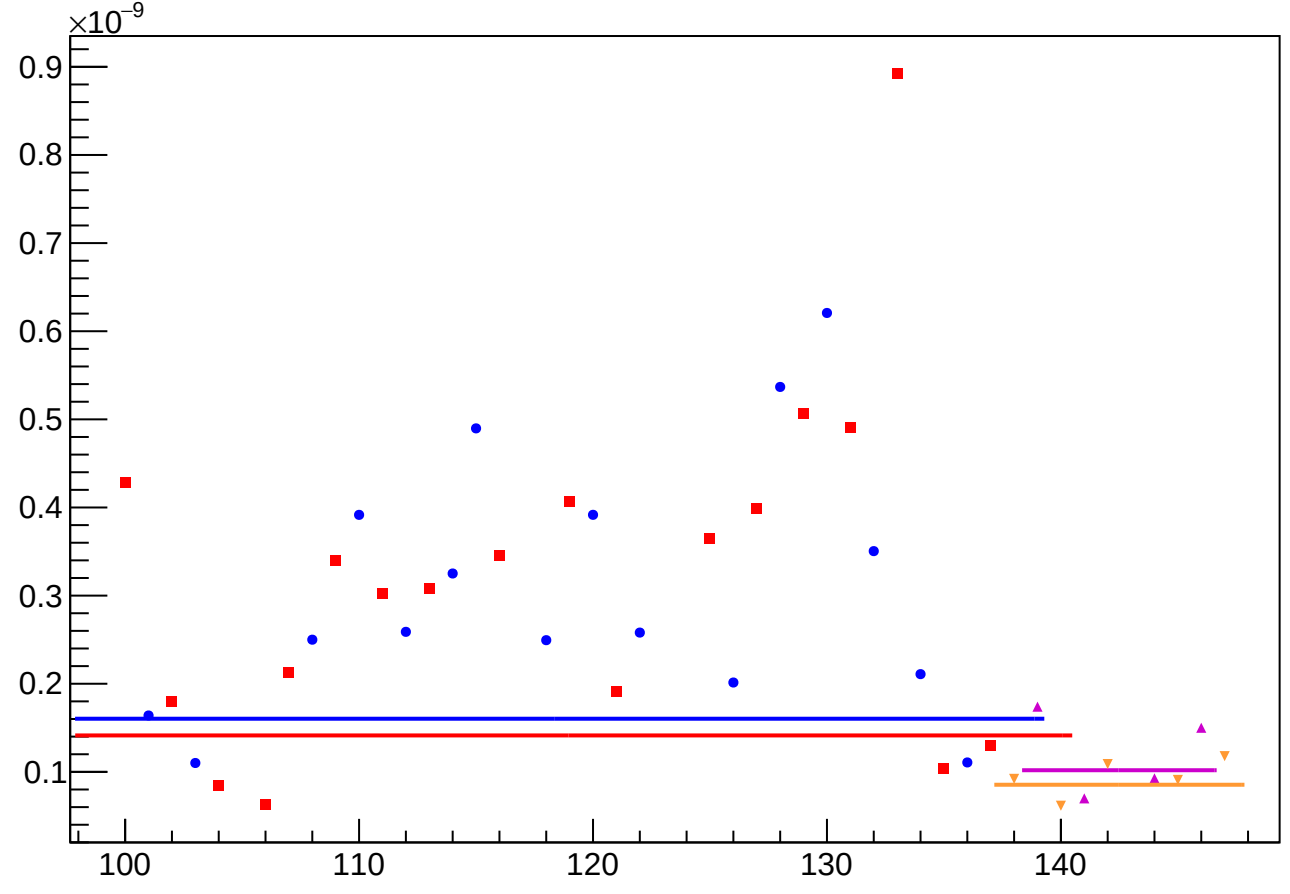
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 15.3/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/42

- sign -0.000+/-0.000 χ^2/NDF: 23.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:141905.8/4

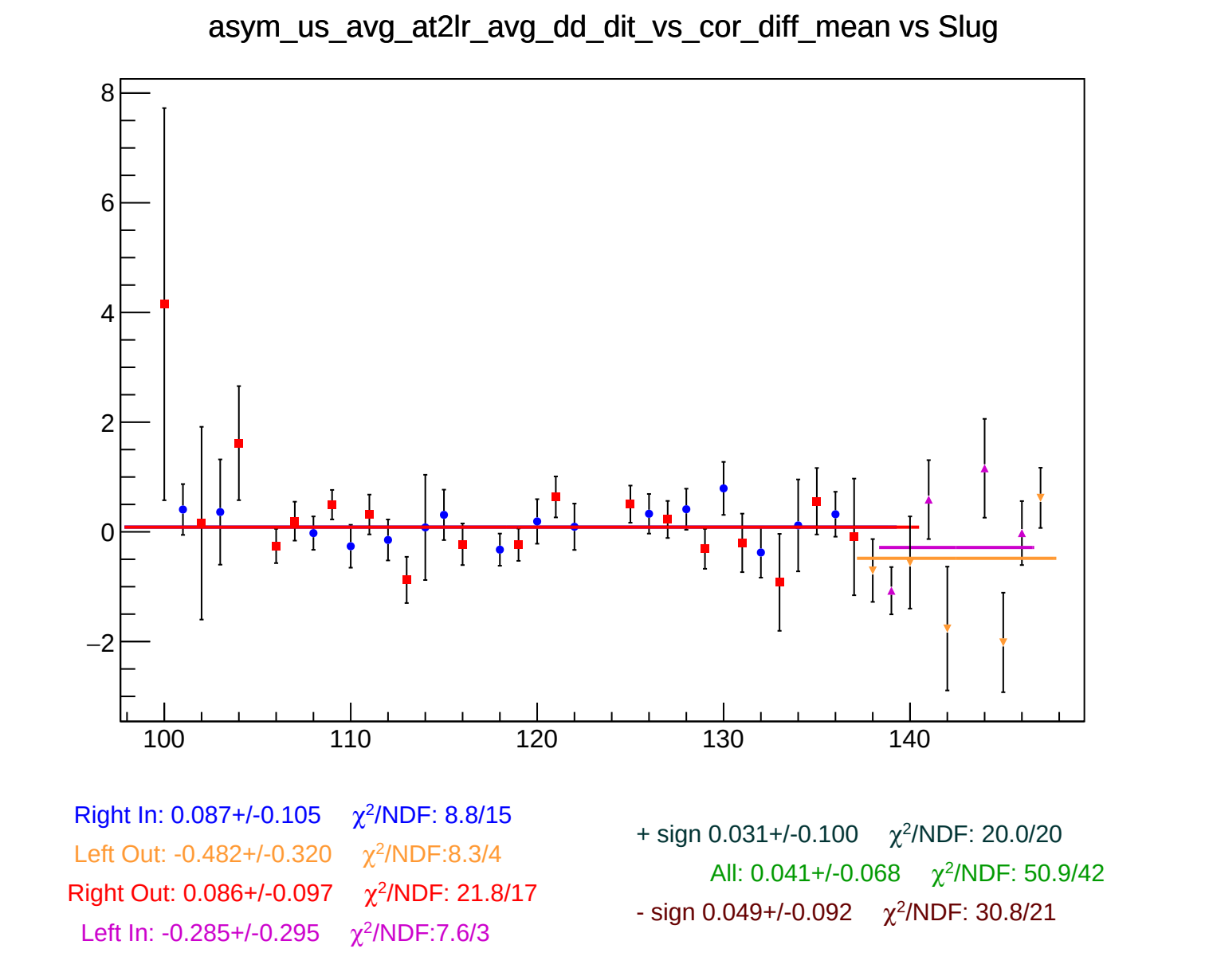
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

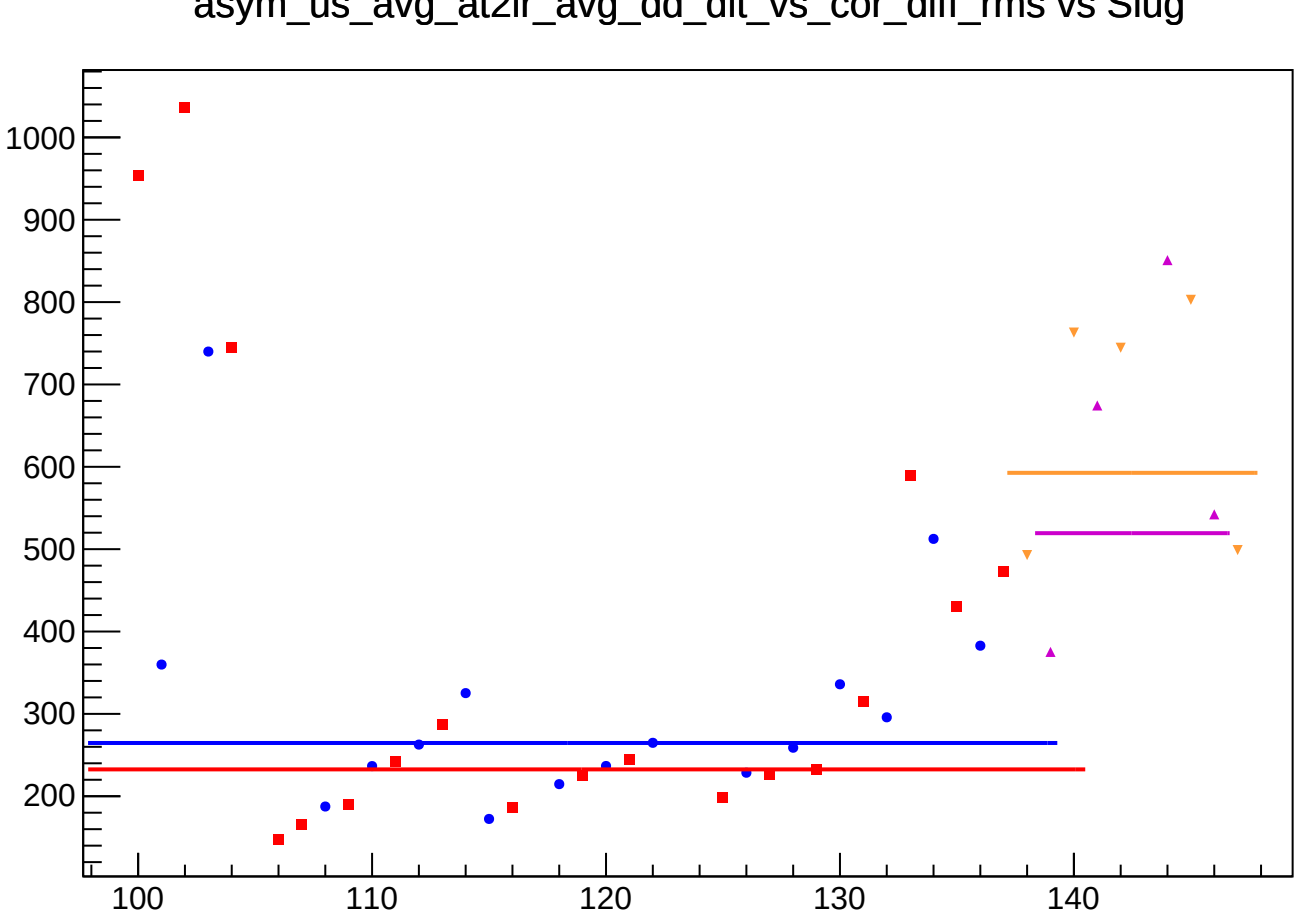
Left In: 0.000+/-0.000 χ^2/NDF:334614.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 2155507.8/20

All: 0.000+/-0.000 χ^2/NDF: 4837462.1/42

- sign 0.000+/-0.000 χ^2/NDF: 2666393.7/21


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.482+/-0.320 χ²/NDF:8.3/4
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.285+/-0.295 χ²/NDF:7.6/3
+ sign 0.031+/-0.100 χ²/NDF: 20.0/20
All: 0.041+/-0.068 χ²/NDF: 50.9/42
- sign 0.049+/-0.092 χ²/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 592.691+/-0.226 χ^2/NDF:344655.1/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

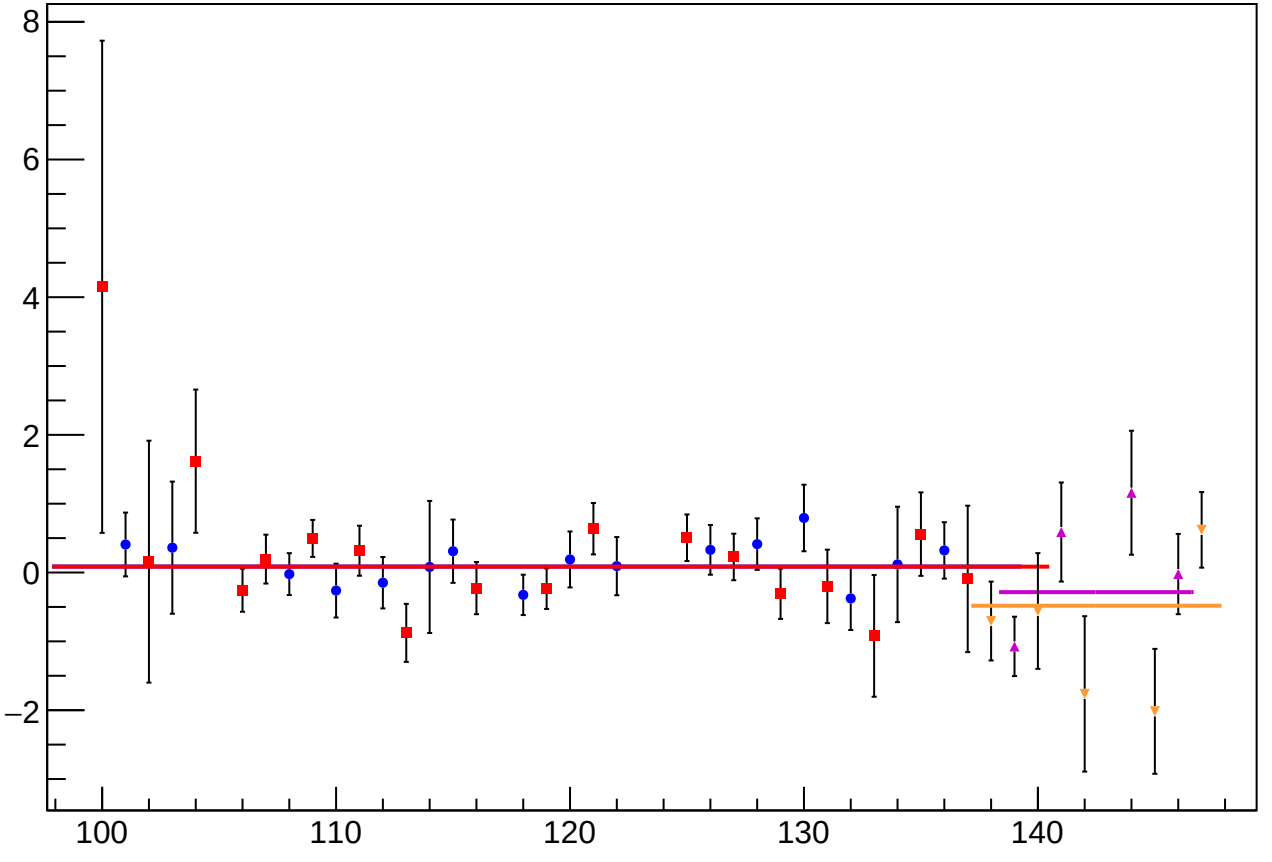
Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

+ sign 296.633+/-0.071 χ^2/NDF: 3527970.4/20

All: 277.305+/-0.048 χ^2/NDF: 7993731.8/42

- sign 260.731+/-0.065 χ^2/NDF: 4326496.6/21

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

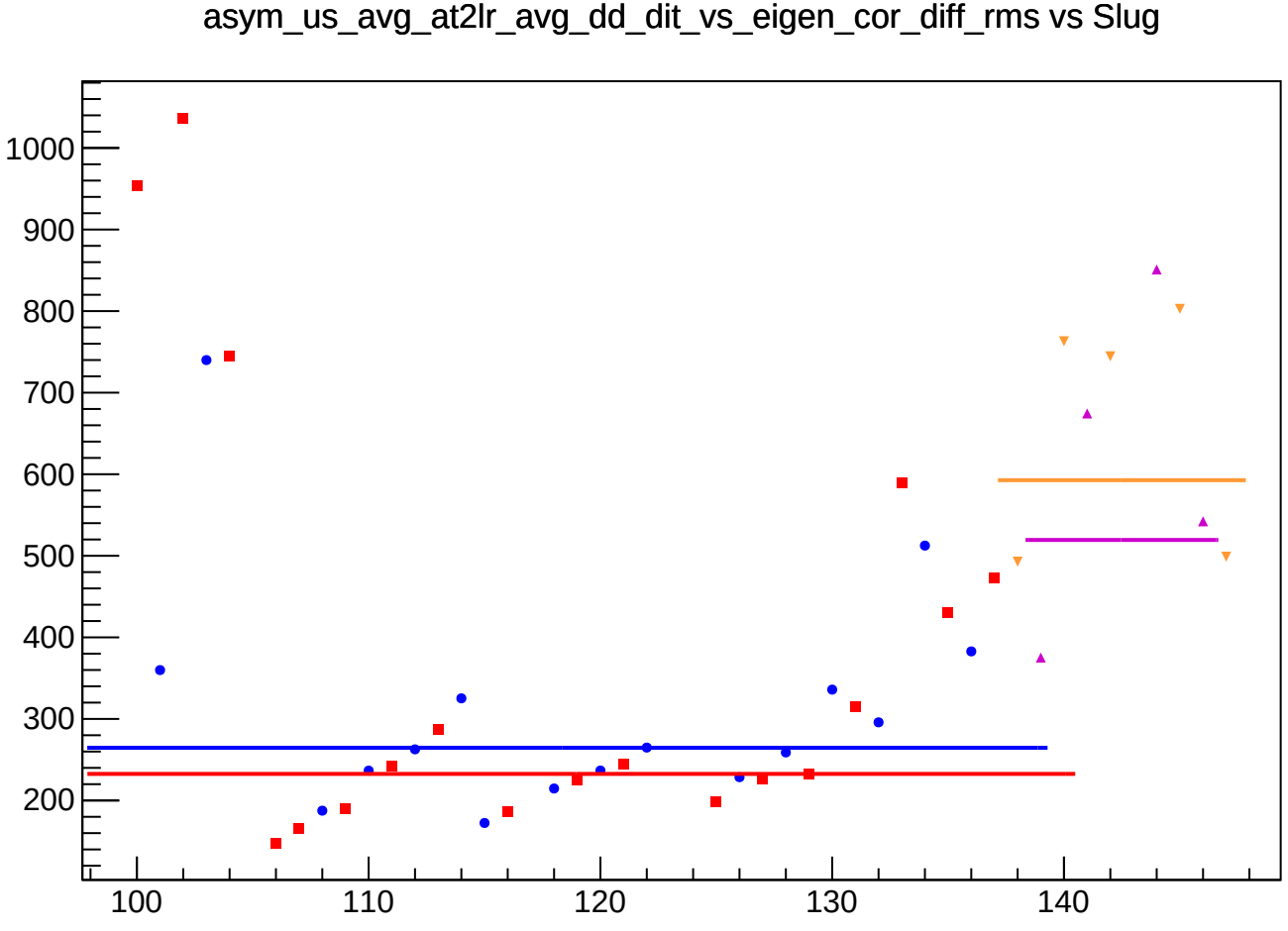
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.041+/-0.068 χ^2/NDF: 50.9/42

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 592.691+/-0.226 χ^2/NDF:344655.1/4

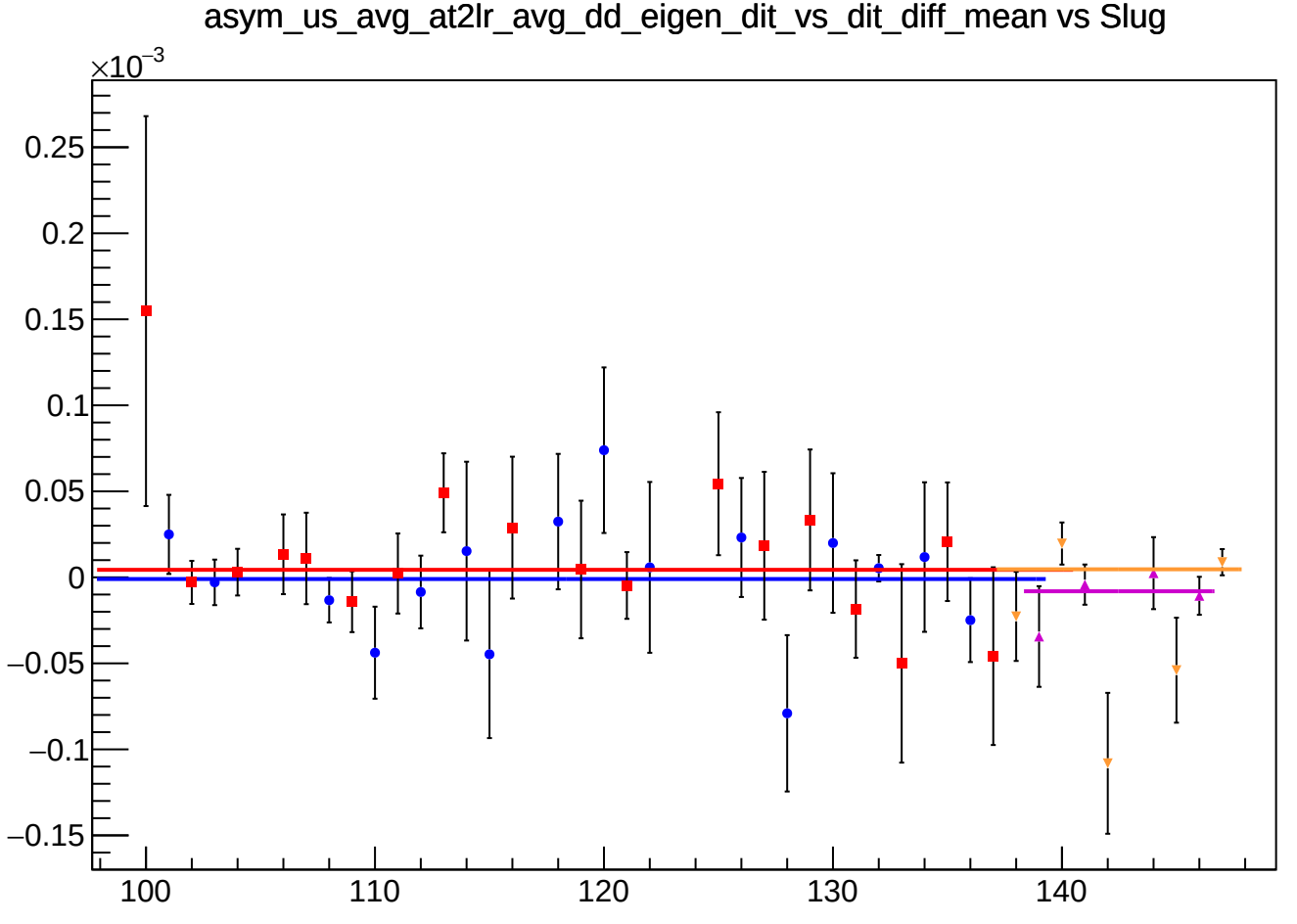
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

+ sign 296.633+/-0.071 χ^2/NDF: 3527970.4/20

All: 277.305+/-0.048 χ^2/NDF: 7993731.8/42

- sign 260.731+/-0.065 χ^2/NDF: 4326496.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/4

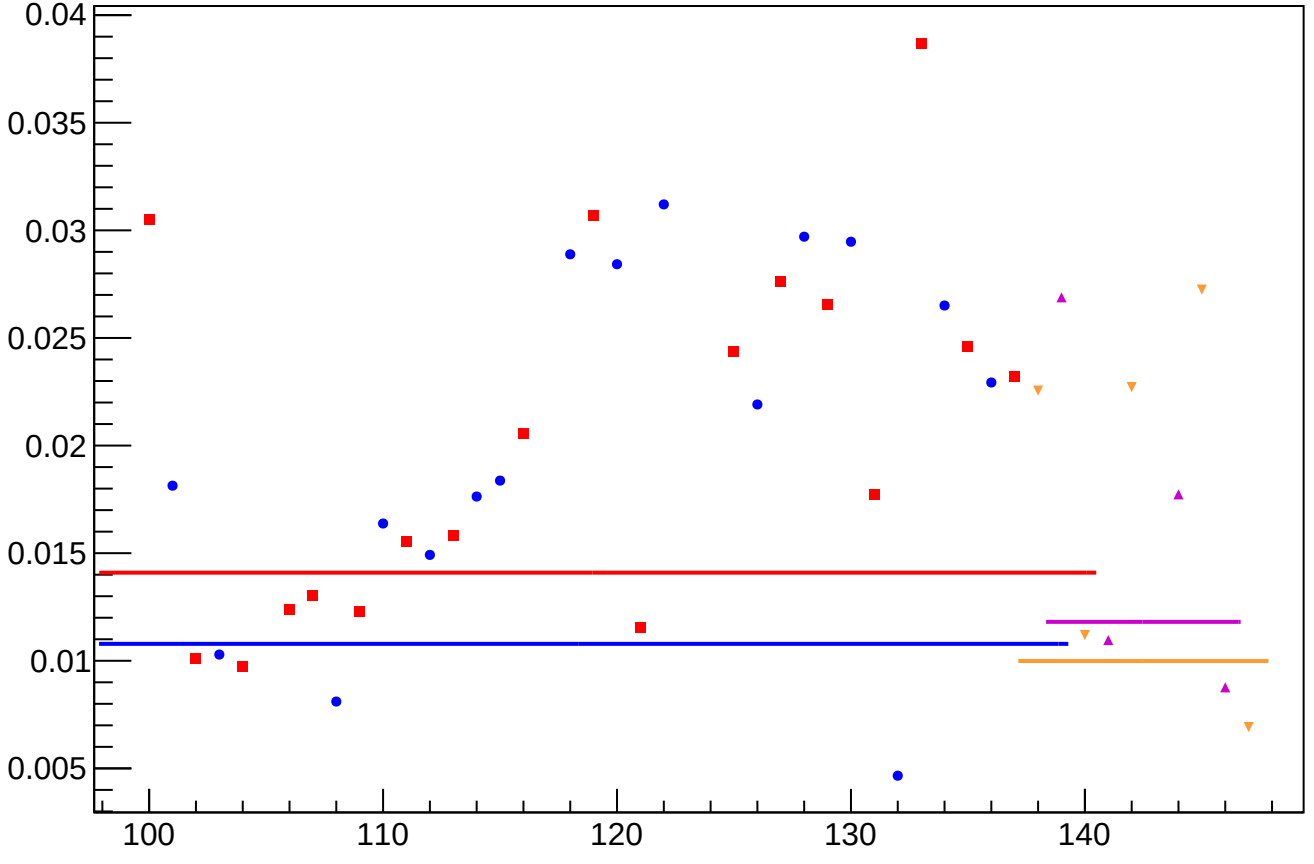
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.8/42

- sign -0.000+/-0.000 χ^2/NDF: 15.6/21



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:1648845.2/4

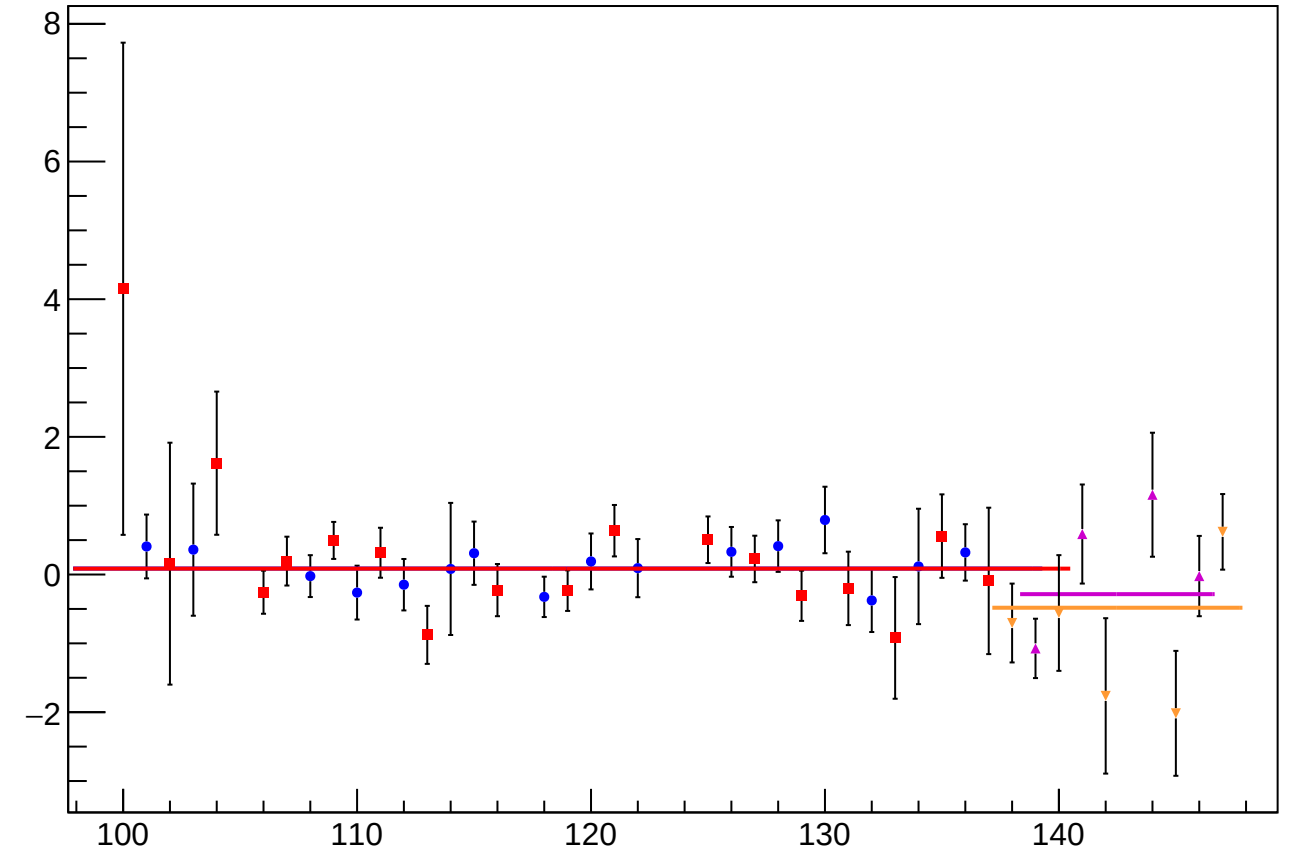
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.012+/-0.000 χ^2/NDF:854148.9/3

+ sign 0.010+/-0.000 χ^2/NDF: 6249644.5/20

All: 0.012+/-0.000 χ^2/NDF: 9743135.8/42

- sign 0.013+/-0.000 χ^2/NDF: 3061245.0/21



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

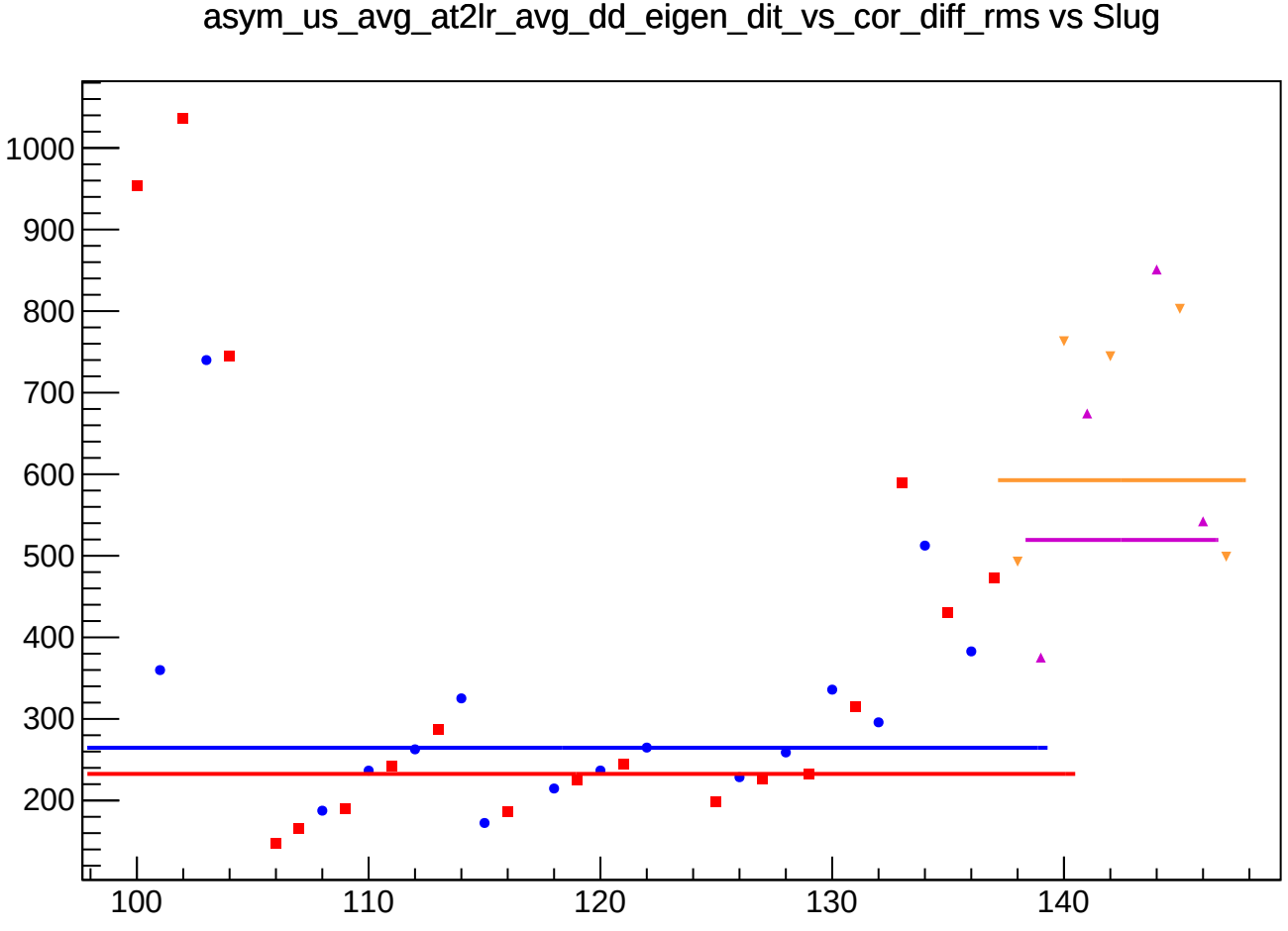
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.041+/-0.068 χ^2/NDF: 50.9/42

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

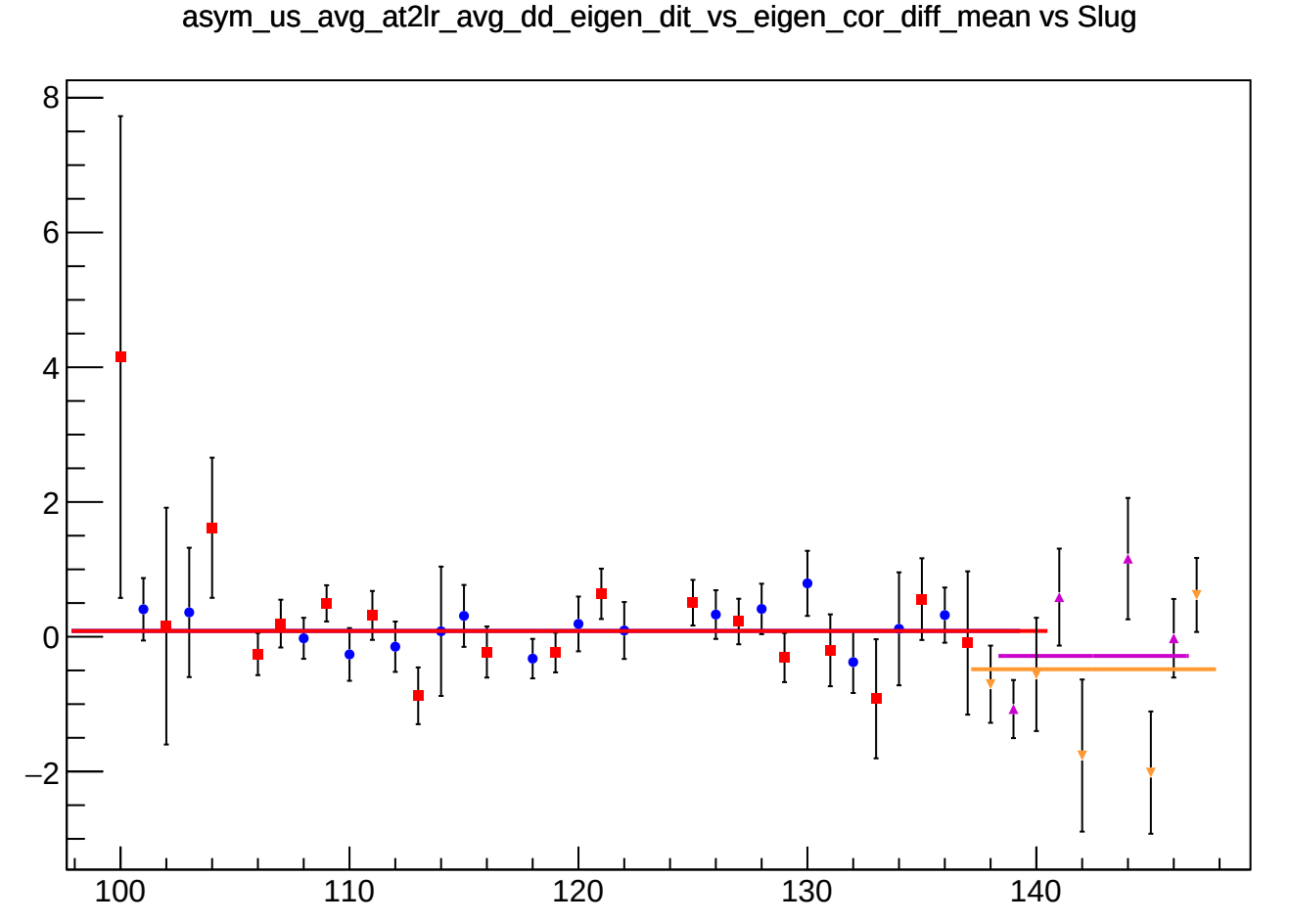
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

+ sign 296.633+/-0.071 χ^2/NDF: 3527983.2/20

All: 277.305+/-0.048 χ^2/NDF: 7993756.6/42

- sign 260.732+/-0.065 χ^2/NDF: 4326516.8/21



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

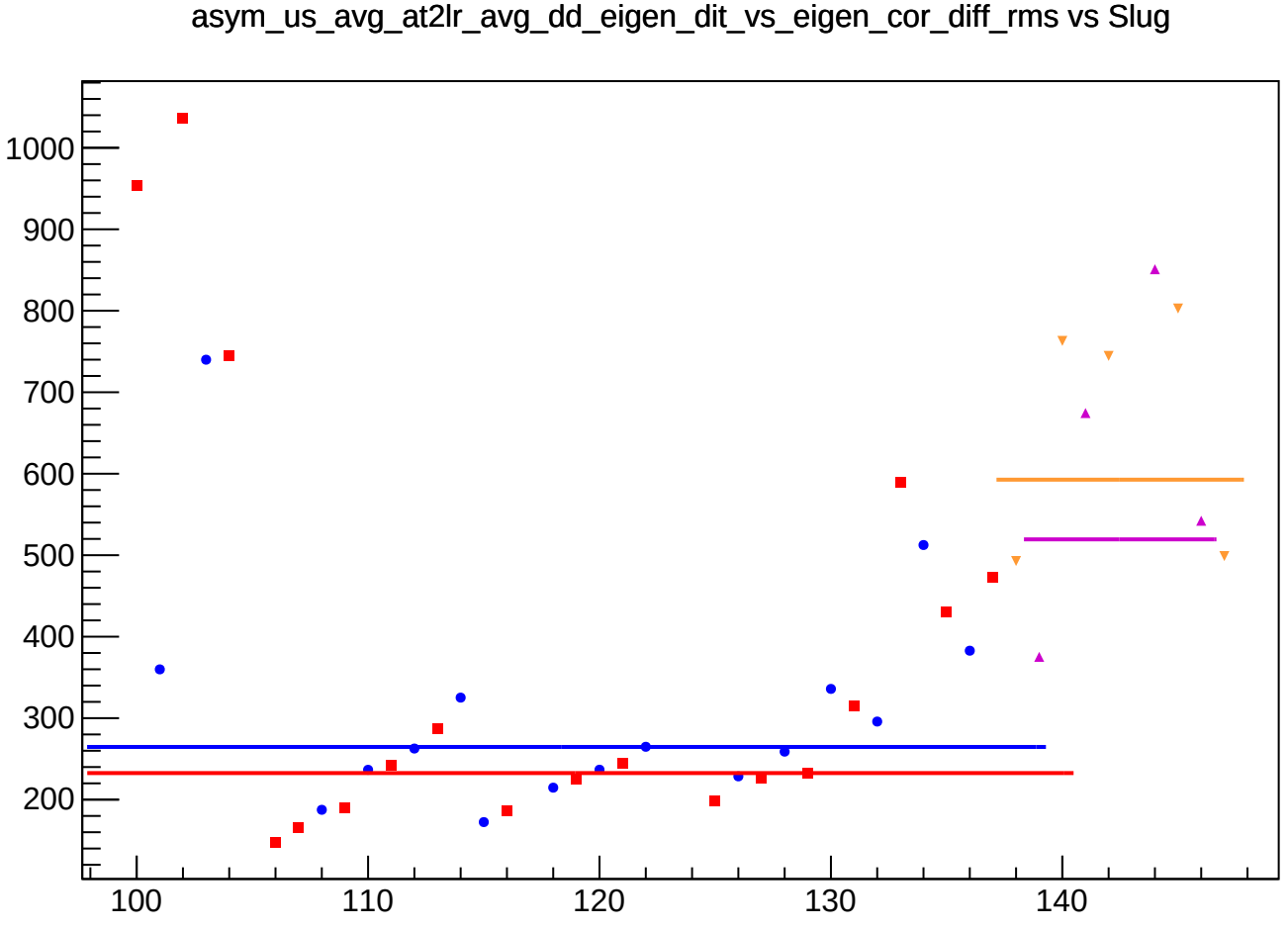
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.041+/-0.068 χ^2/NDF: 50.9/42

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

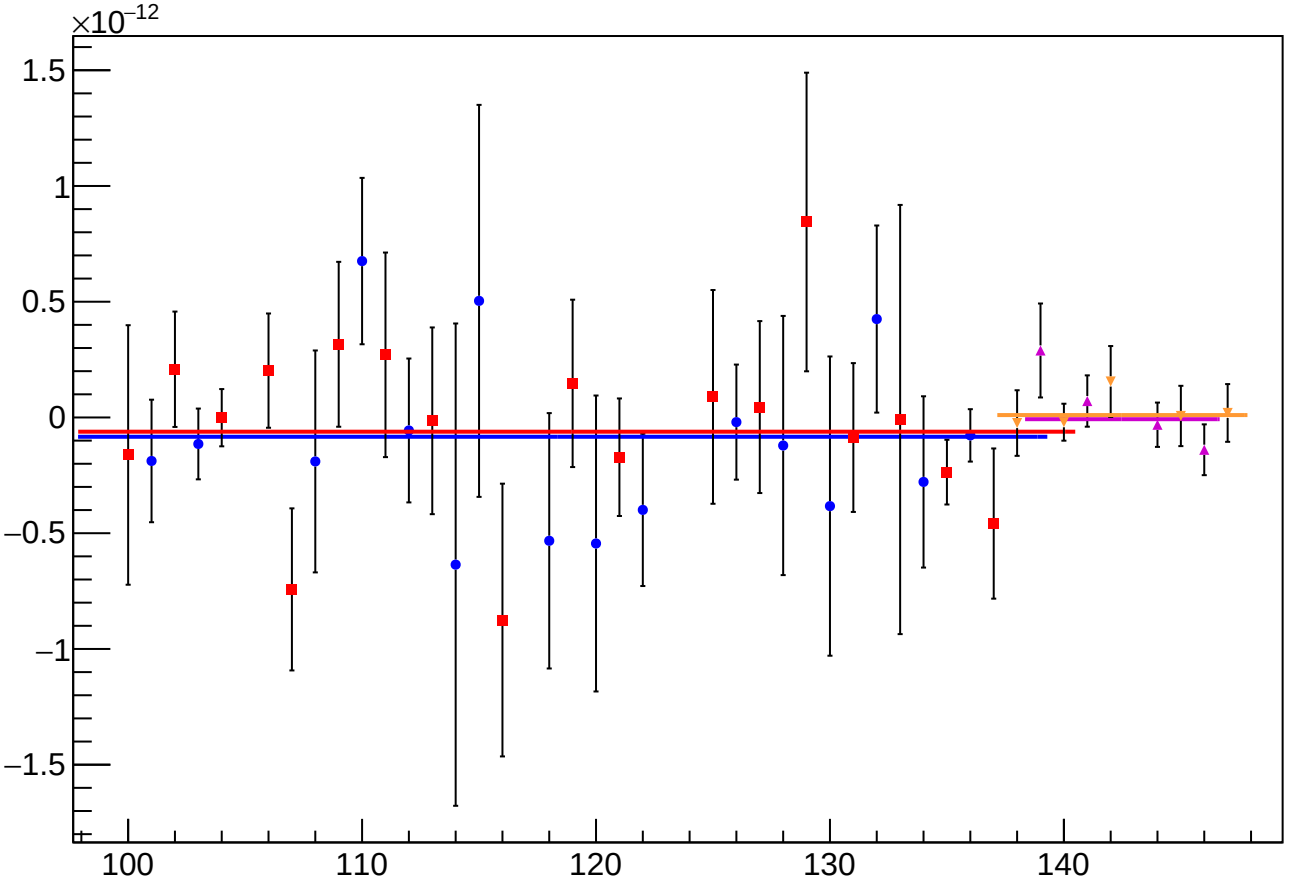
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

+ sign 296.633+/-0.071 χ^2/NDF: 3527983.2/20

All: 277.305+/-0.048 χ^2/NDF: 7993756.6/42

- sign 260.732+/-0.065 χ^2/NDF: 4326516.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

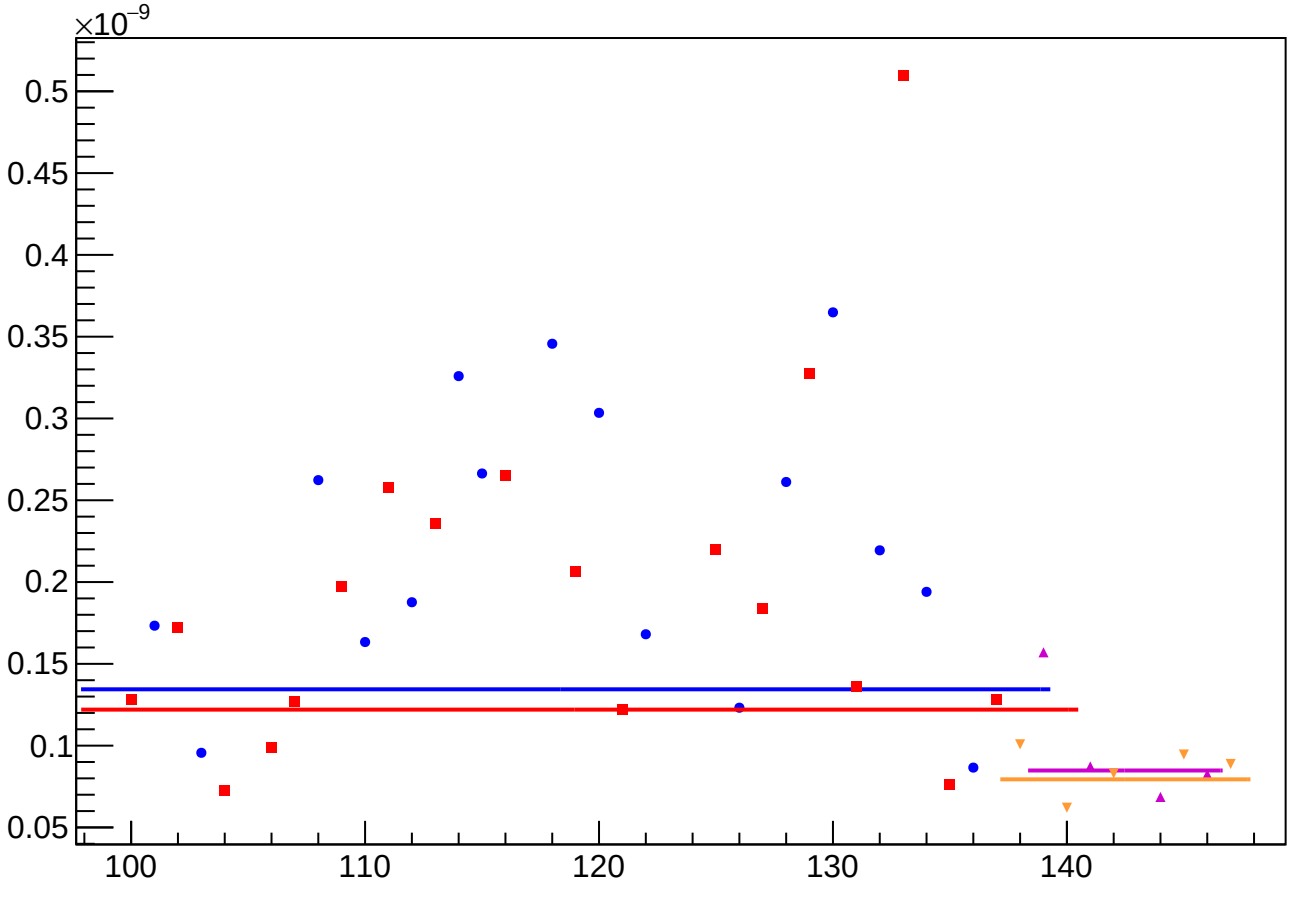
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 12.0/20

All: -0.000+/-0.000 χ^2/NDF: 32.3/42

- sign -0.000+/-0.000 χ^2/NDF: 20.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:179788.1/4

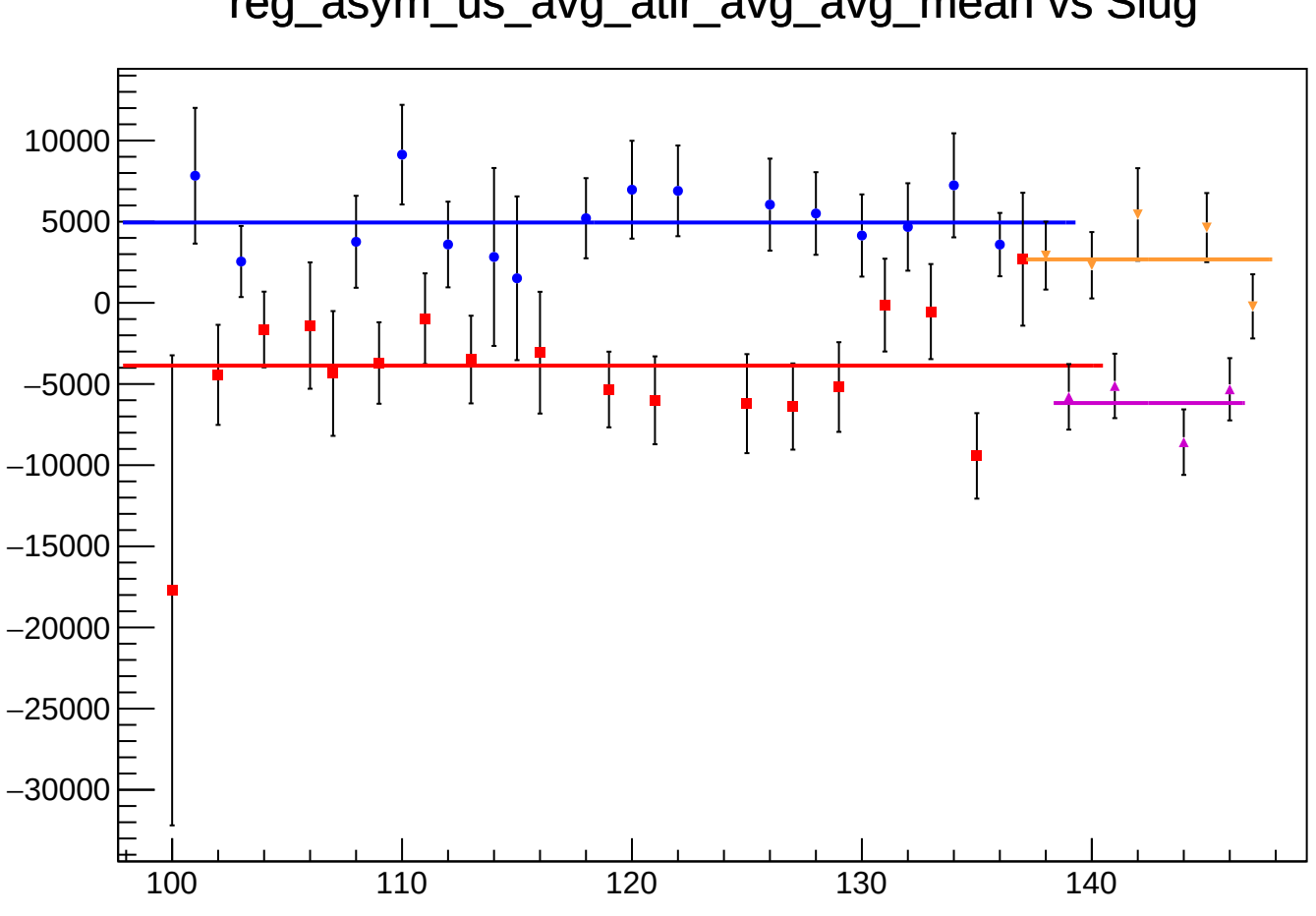
Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:312292.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 2808671.4/20

All: 0.000+/-0.000 χ^2/NDF: 5495264.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2683892.6/21



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.245+/-967.899 χ^2/NDF:4.0/4

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

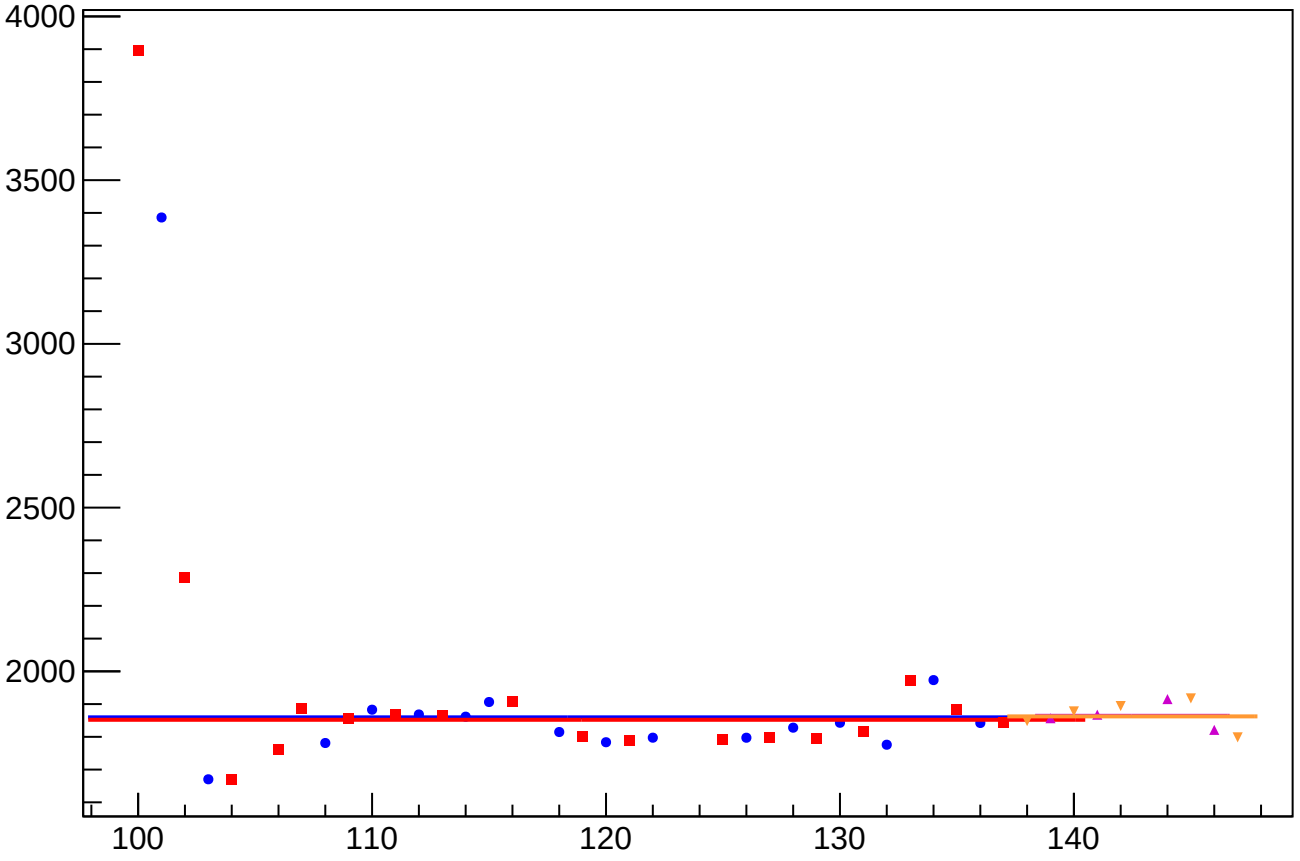
Left In: -6172.079+/-991.961 χ^2/NDF:1.9/3

+ sign 4171.261+/-566.642 χ^2/NDF: 14.4/20

All: -204.201+/-401.727 χ^2/NDF: 156.1/42

- sign -4625.865+/-569.626 χ^2/NDF: 21.7/21

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

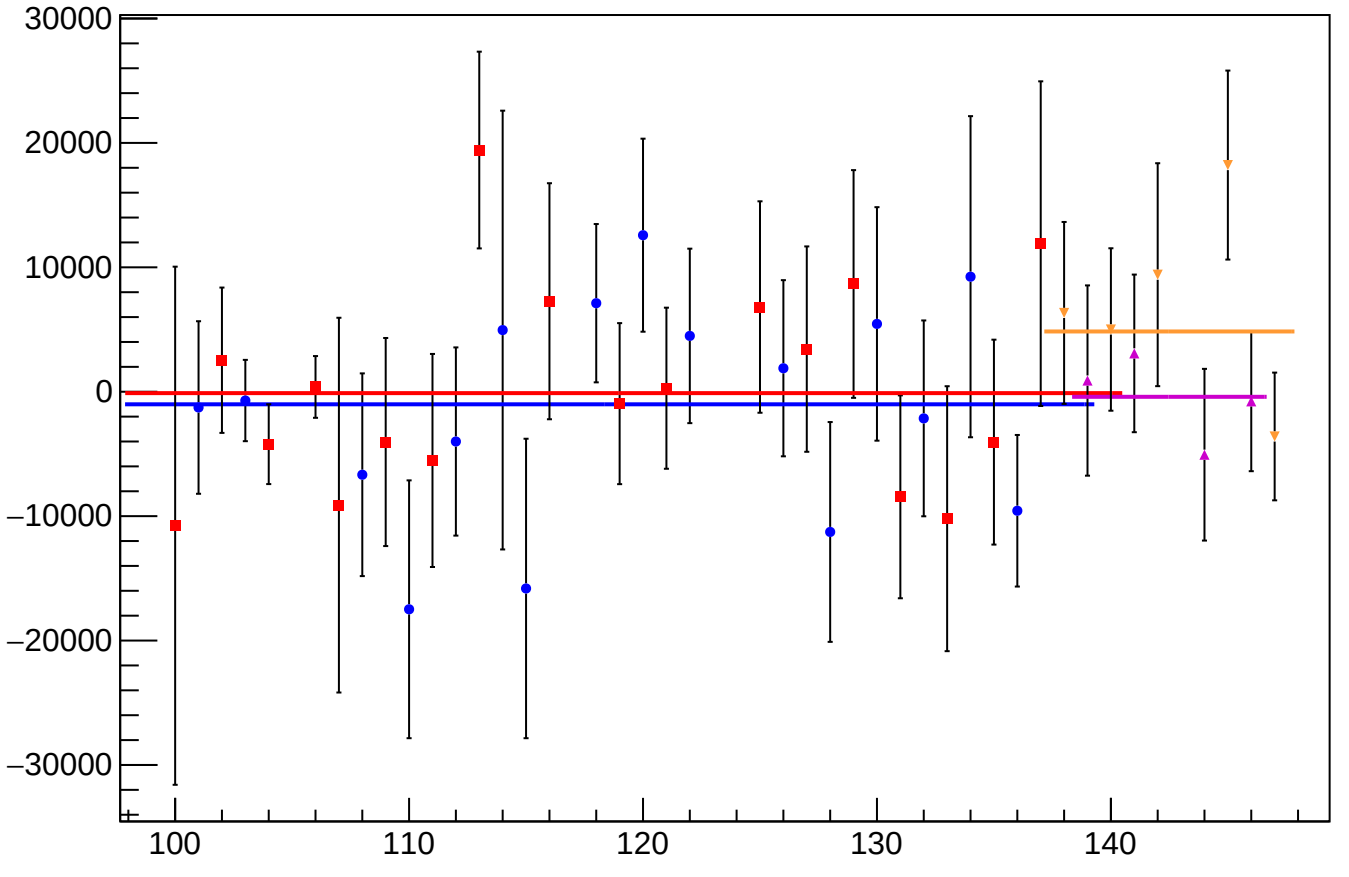
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1860.516+/-0.401 χ^2/NDF: 296228.5/20

All: 1858.285+/-0.284 χ^2/NDF: 401017.0/42

- sign 1856.040+/-0.402 χ^2/NDF: 104726.3/21



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4844.027+/-3016.410 χ^2/NDF:6.1/4

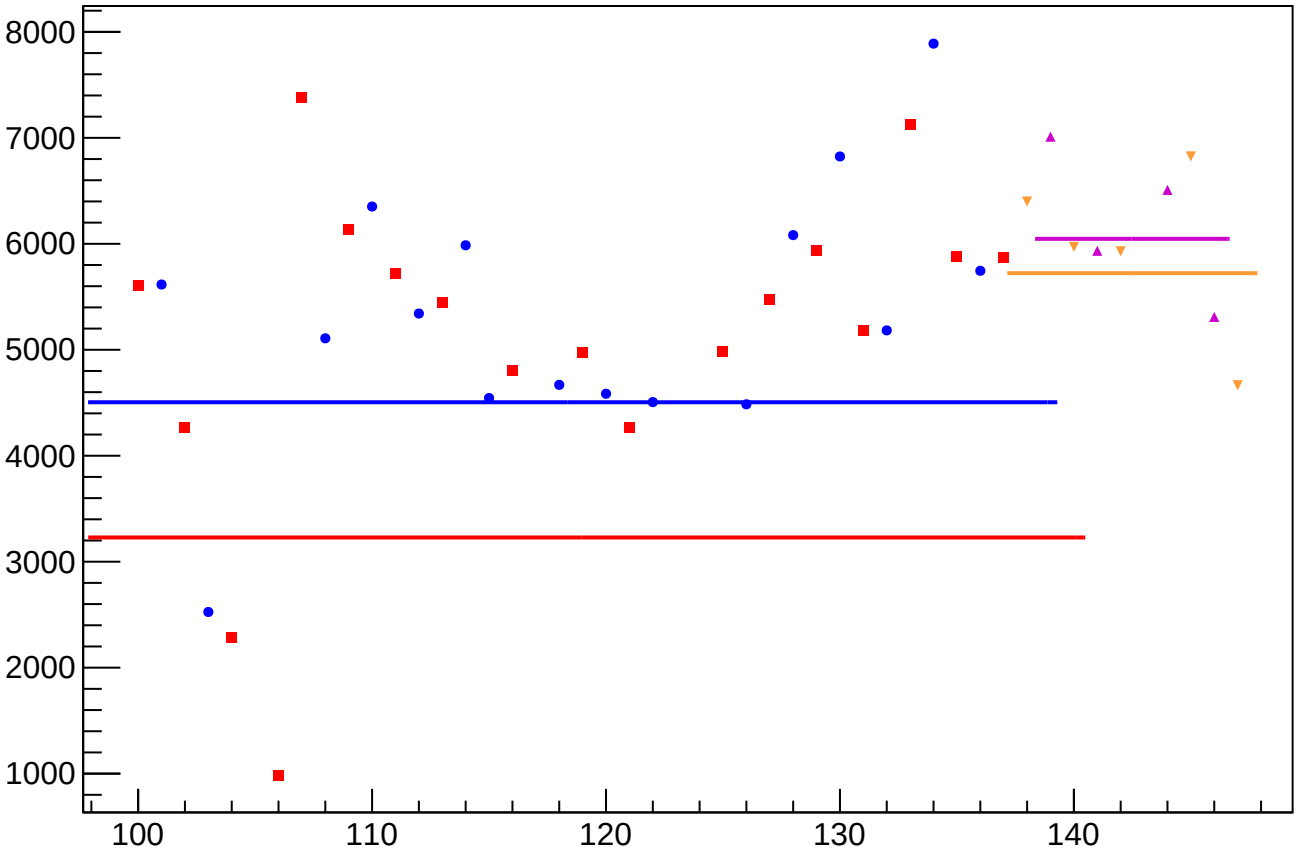
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -407.682+/-3248.720 χ^2/NDF:0.8/3

+ sign 481.849+/-1522.848 χ^2/NDF: 23.6/20

All: 114.330+/-995.428 χ^2/NDF: 39.2/42

- sign -159.852+/-1315.336 χ^2/NDF: 15.4/21



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5722.980+/-2.133 χ^2/NDF:148081.8/4

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

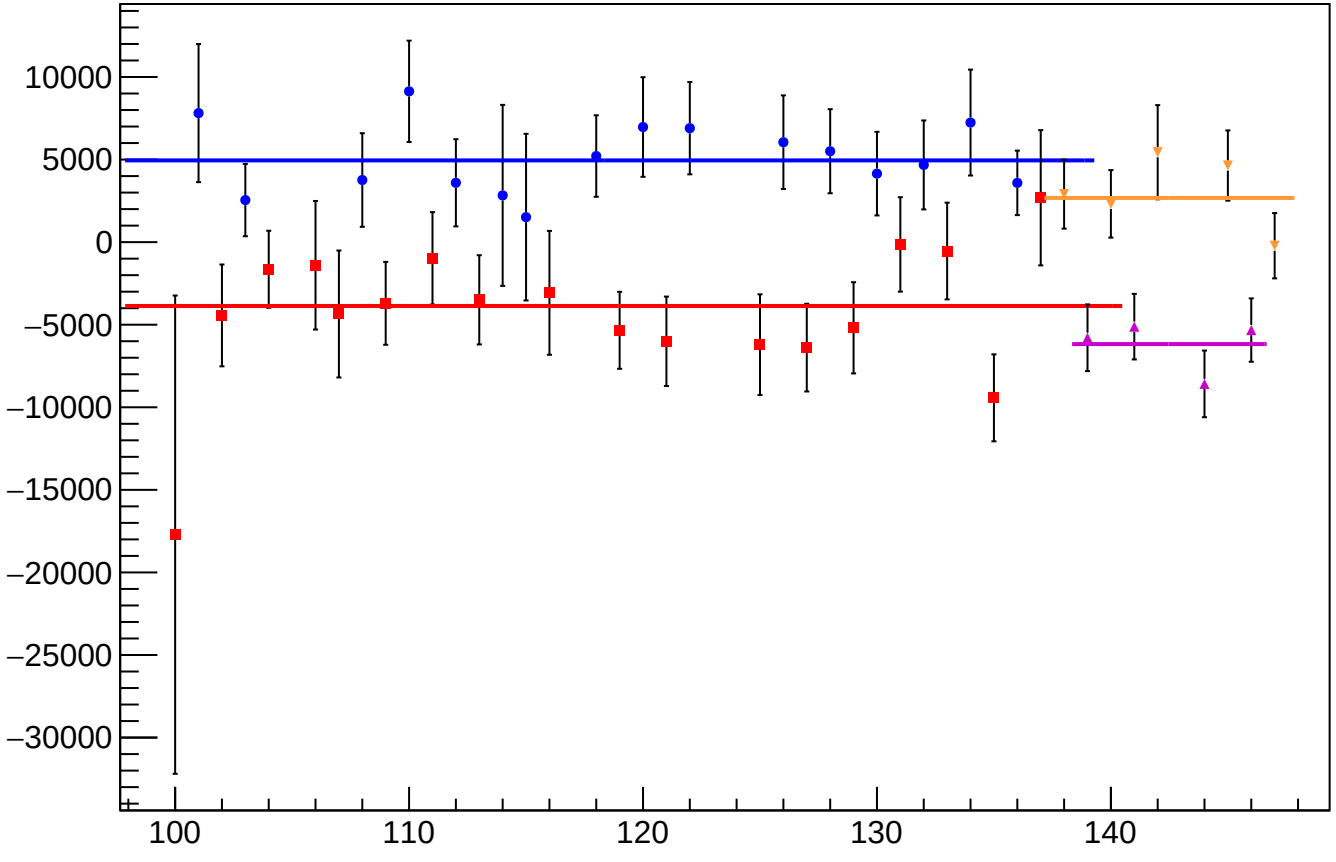
Left In: 6047.059+/-2.297 χ^2/NDF:75839.0/3

+ sign 4815.279+/-1.077 χ^2/NDF: 1712243.6/20

All: 4171.160+/-0.704 χ^2/NDF: 7627777.5/42

- sign 3690.624+/-0.930 χ^2/NDF: 5290790.4/21

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

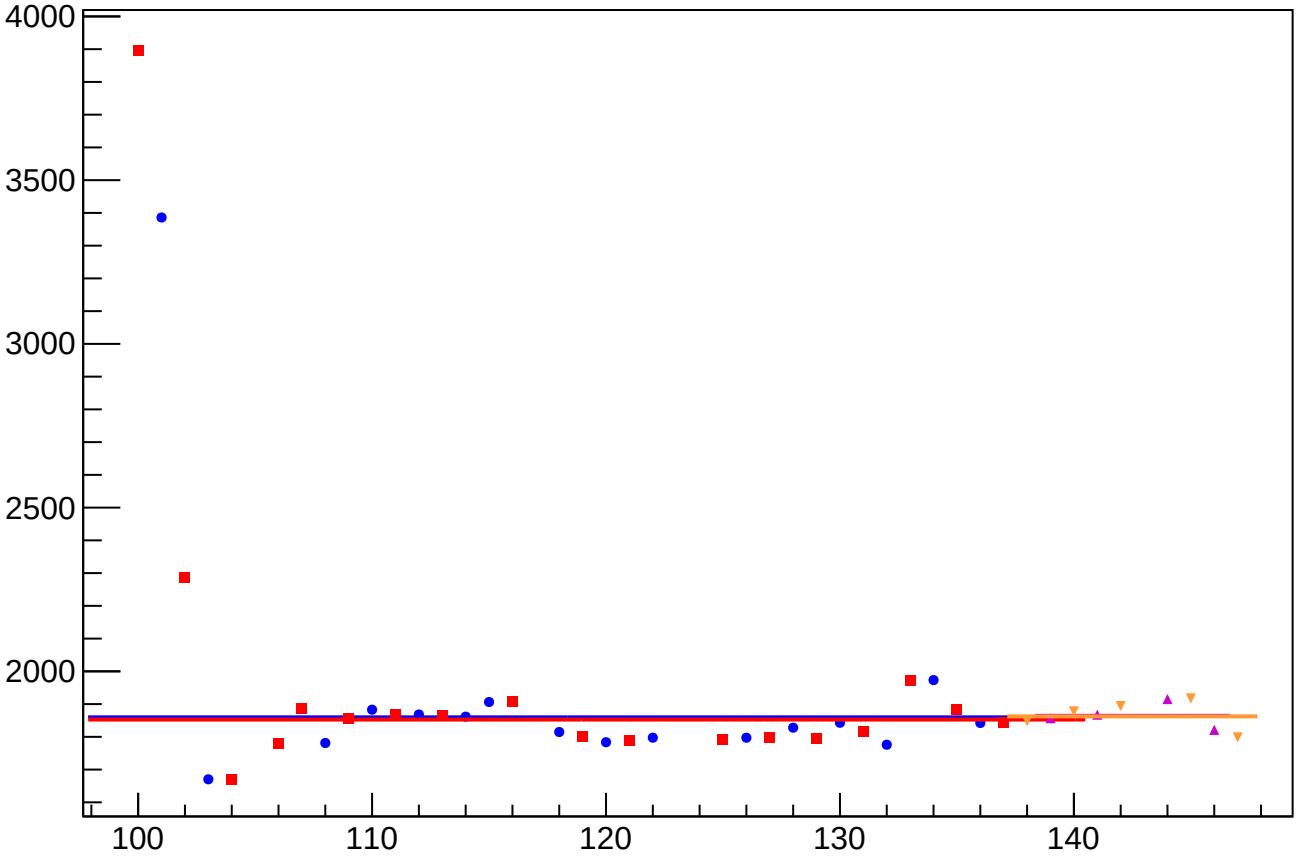
Left In: -6172.367+/-991.961 χ^2/NDF:1.9/3

+ sign 4170.940+/-566.642 χ^2/NDF: 14.4/20

All: -204.338+/-401.727 χ^2/NDF: 156.0/42

- sign -4625.816+/-569.626 χ^2/NDF: 21.7/21

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

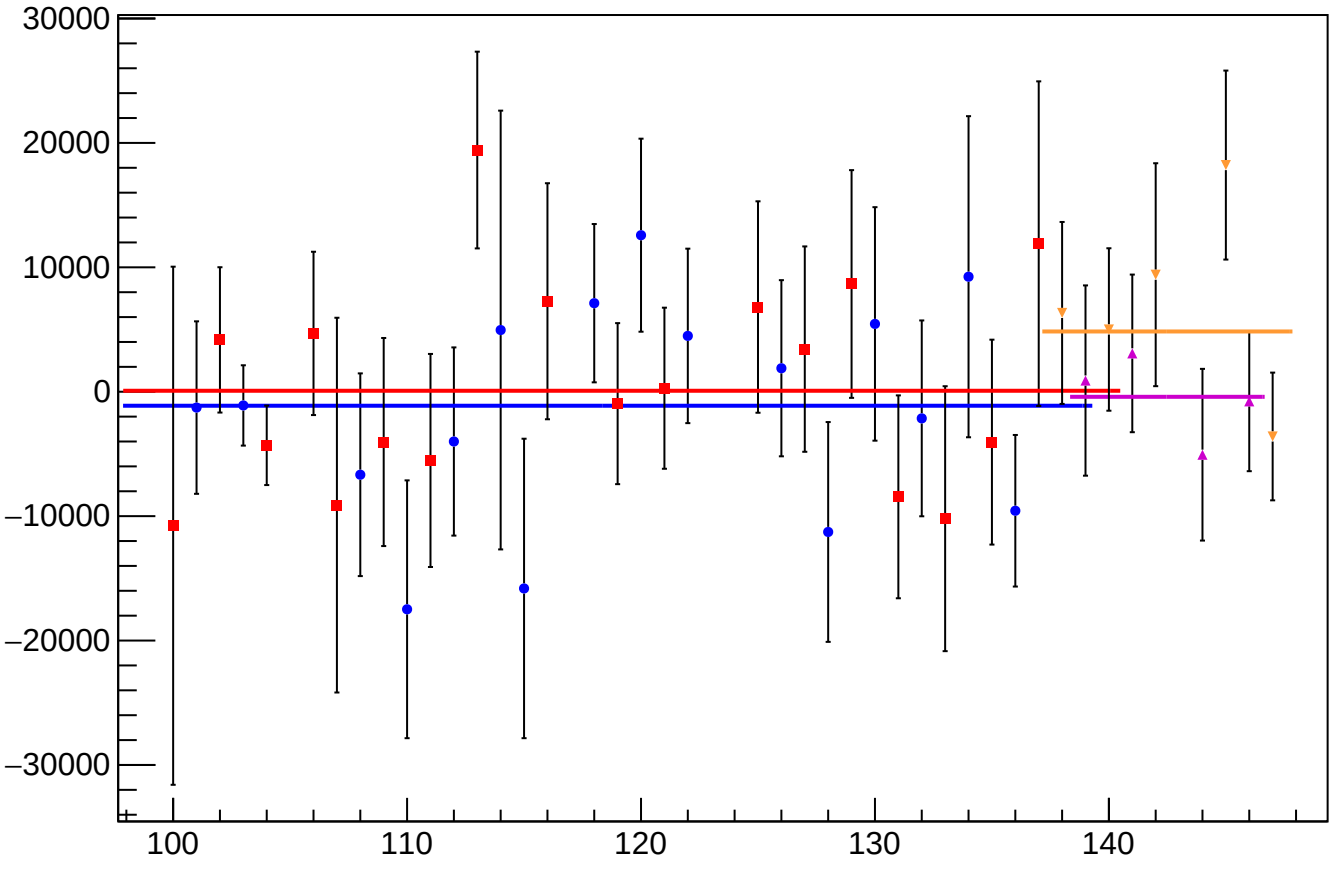
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1860.516+/-0.401 χ^2/NDF: 296230.4/20

All: 1858.523+/-0.284 χ^2/NDF: 400521.7/42

- sign 1856.516+/-0.402 χ^2/NDF: 104241.7/21



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

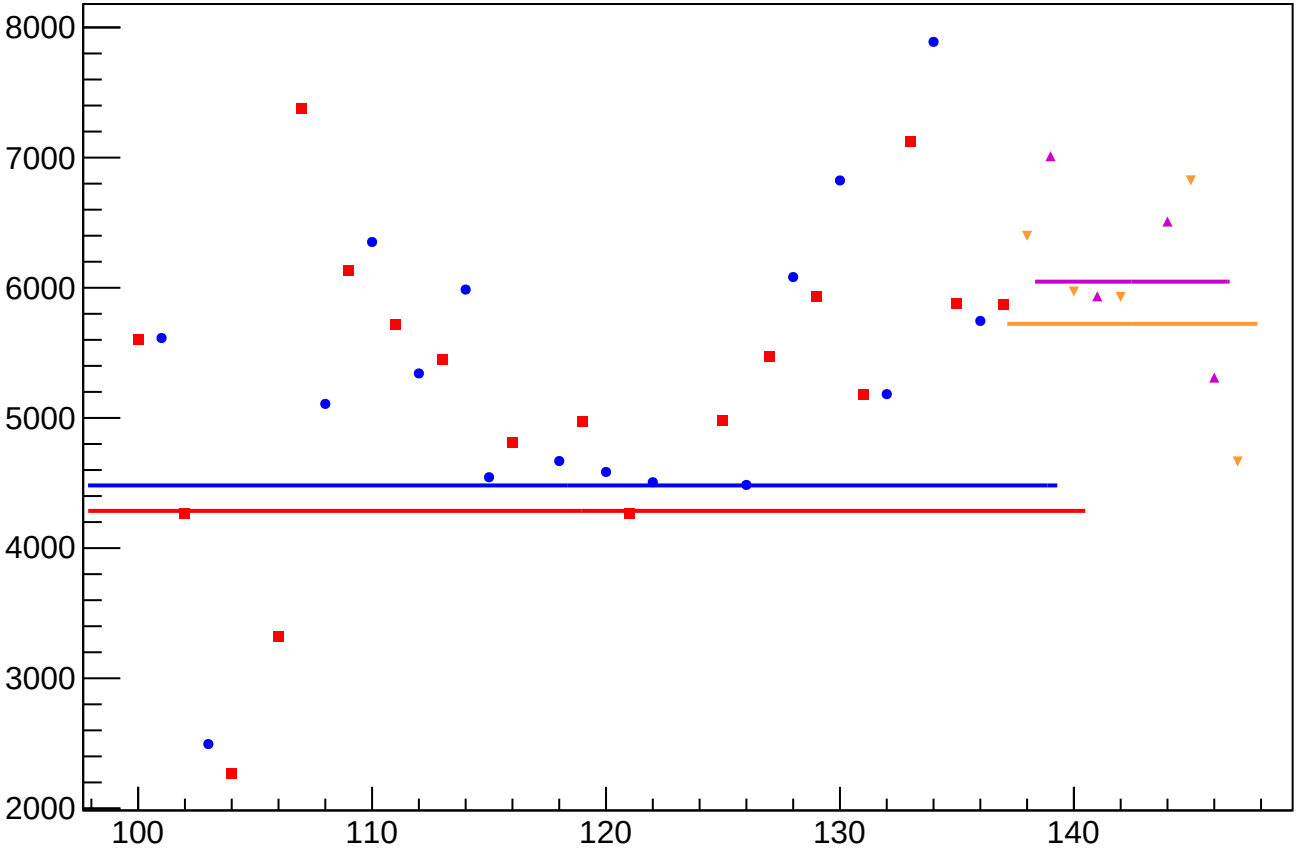
Left In: -407.731+/-3248.720 χ^2/NDF:0.8/3

+ sign 387.849+/-1518.788 χ^2/NDF: 23.8/20

All: 179.221+/-1070.089 χ^2/NDF: 40.1/42

- sign -26.438+/-1507.938 χ^2/NDF: 16.4/21

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5722.979+/-2.133 χ^2/NDF:148077.4/4

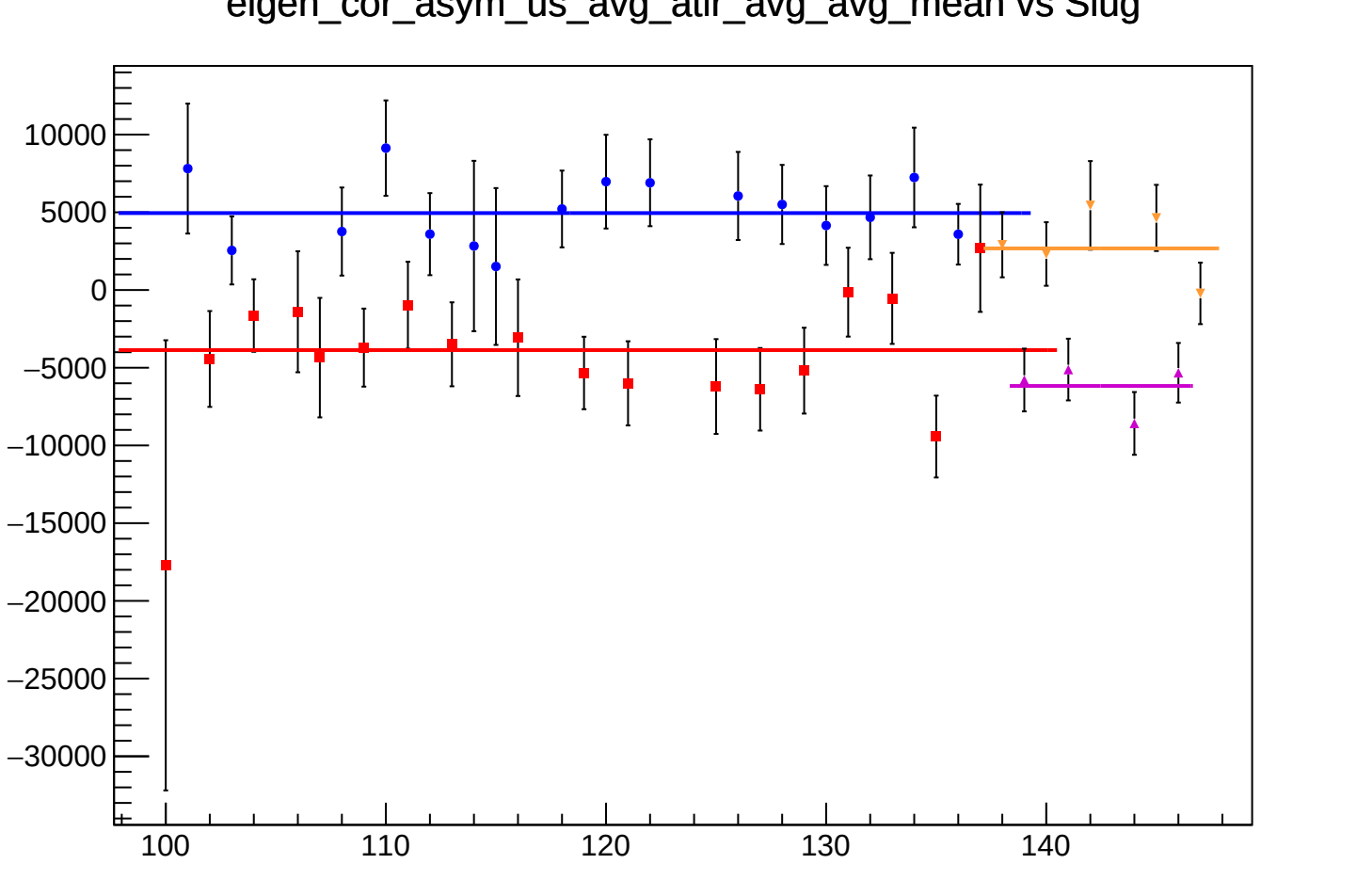
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

+ sign 4796.254+/-1.074 χ^2/NDF: 1763223.5/20

All: 4730.416+/-0.757 χ^2/NDF: 3857391.0/42

- sign 4665.515+/-1.066 χ^2/NDF: 2086704.3/21



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

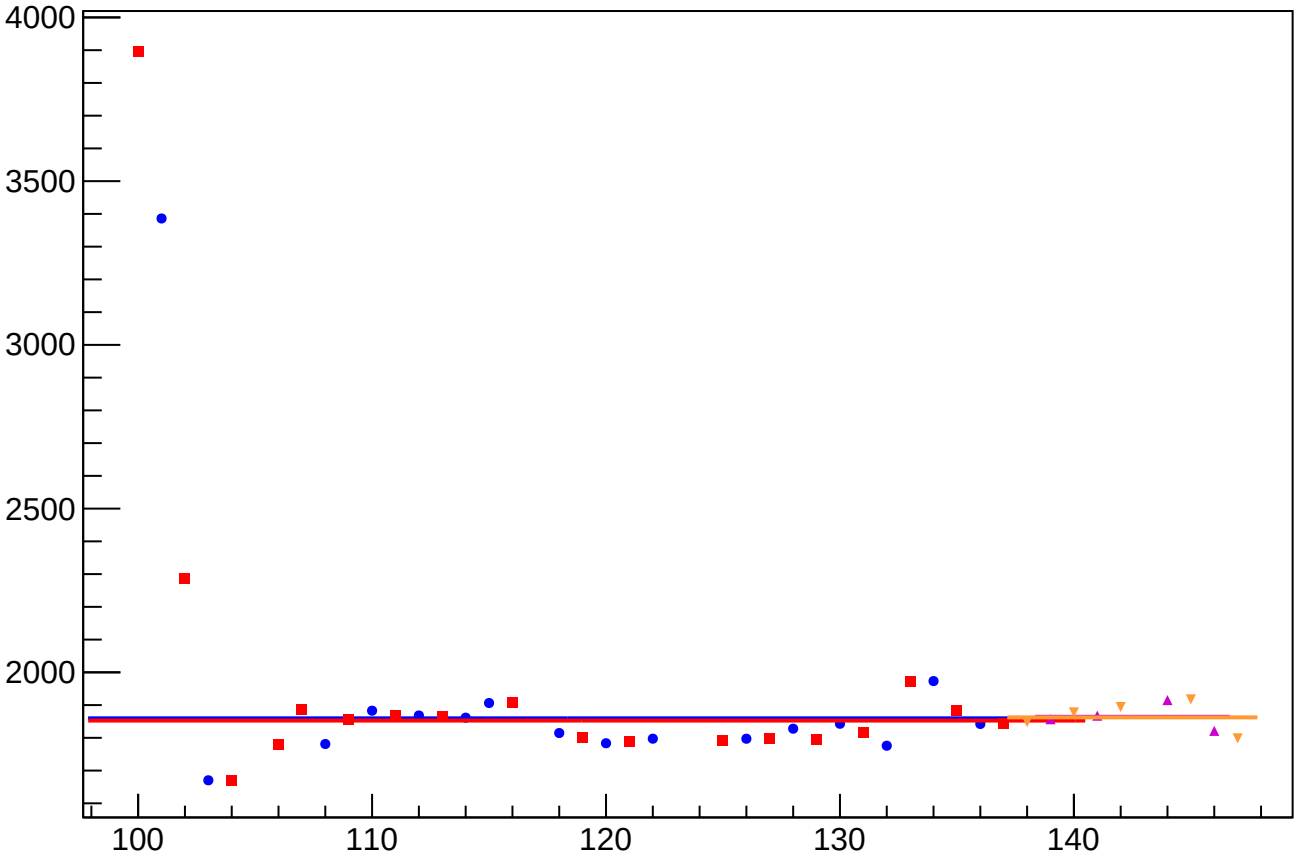
Left In: -6172.367+/-991.961 χ^2/NDF:1.9/3

+ sign 4170.940+/-566.642 χ^2/NDF: 14.4/20

All: -204.338+/-401.727 χ^2/NDF: 156.0/42

- sign -4625.816+/-569.626 χ^2/NDF: 21.7/21

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: 1862.447+/-0.684 χ^2/NDF:3881.8/4

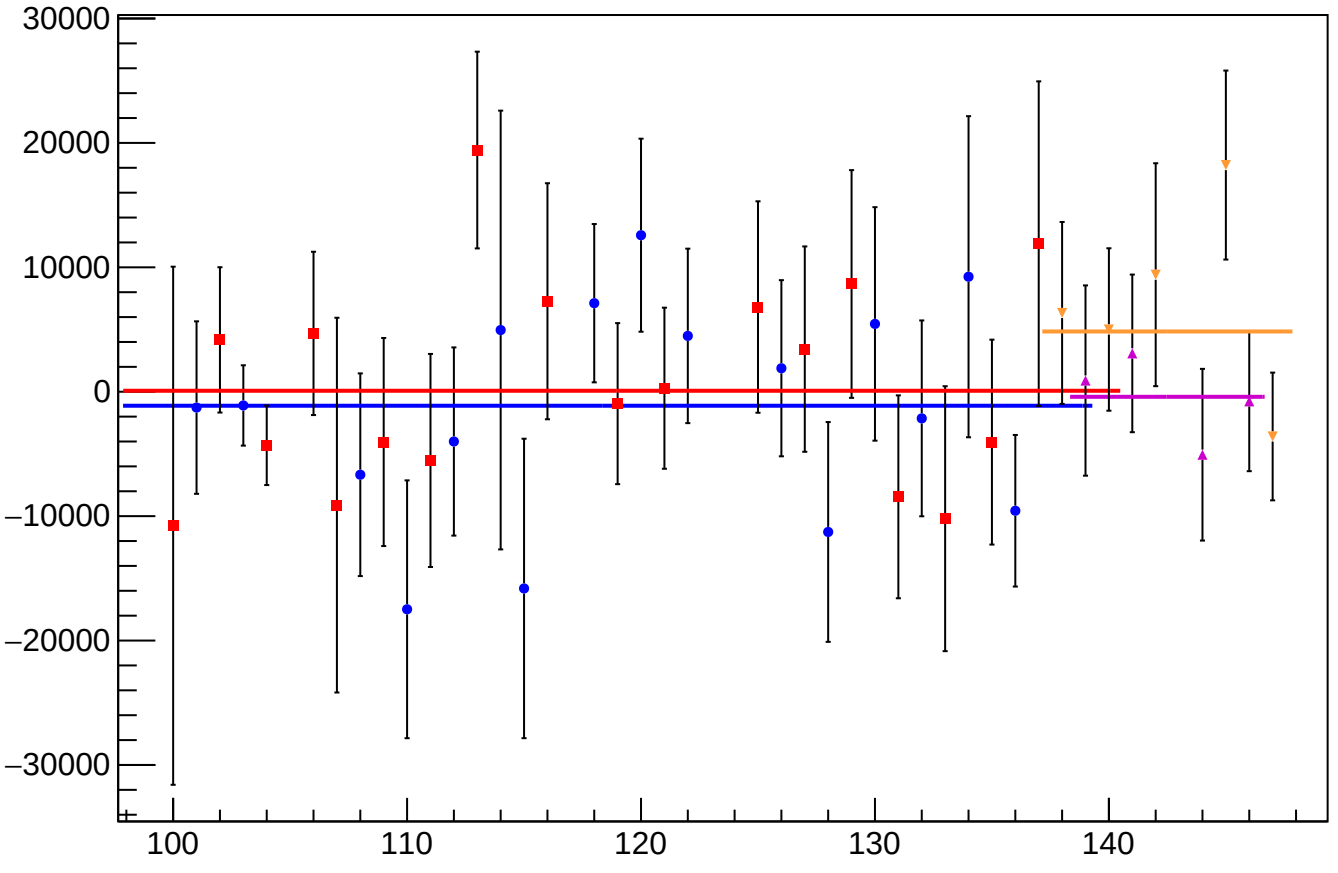
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1860.516+/-0.401 χ^2/NDF: 296230.4/20

All: 1858.523+/-0.284 χ^2/NDF: 400521.7/42

- sign 1856.516+/-0.402 χ^2/NDF: 104241.7/21



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

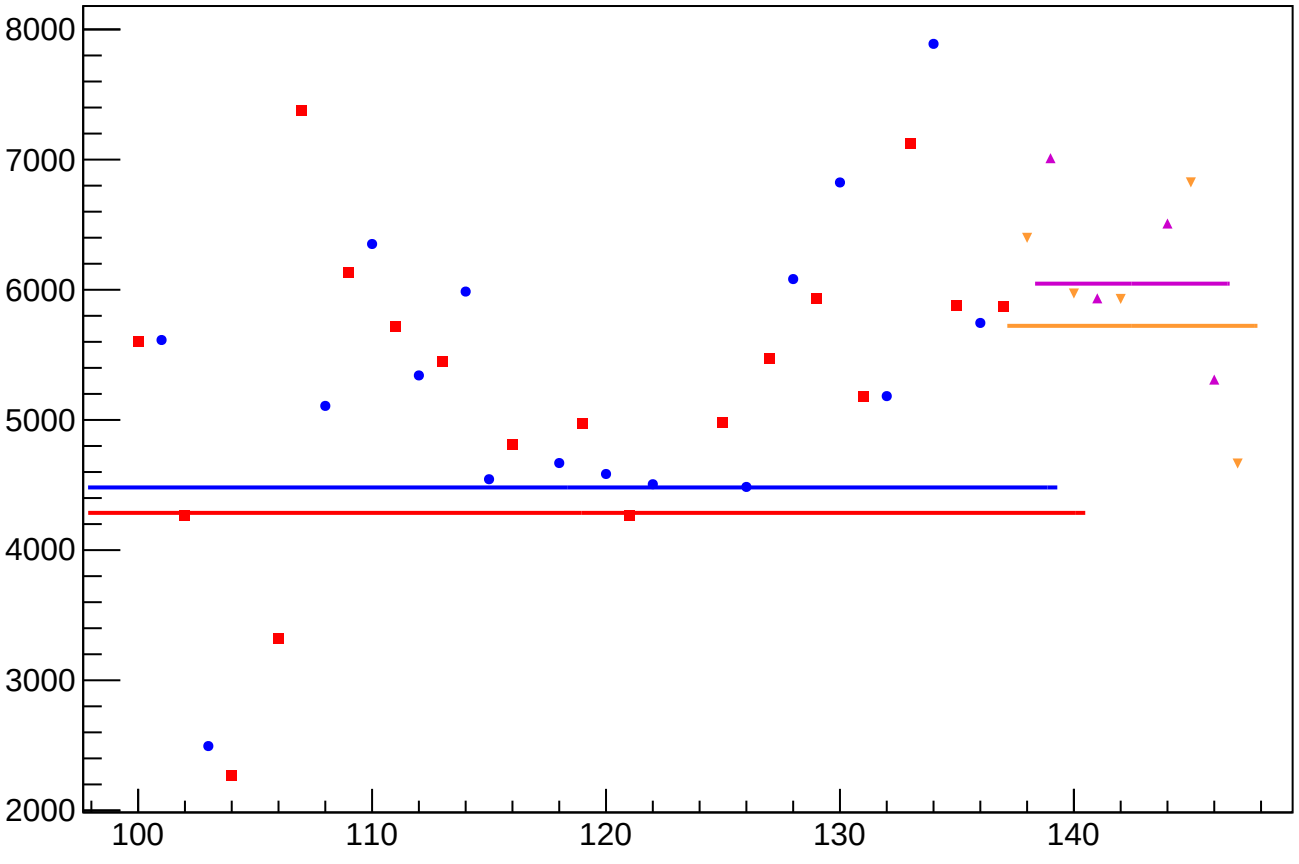
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -407.731+/-3248.720 χ^2/NDF:0.8/3

+ sign 387.849+/-1518.788 χ^2/NDF: 23.8/20

All: 179.221+/-1070.089 χ^2/NDF: 40.1/42

- sign -26.438+/-1507.938 χ^2/NDF: 16.4/21



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5722.979+/-2.133 χ^2/NDF:148077.4/4

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

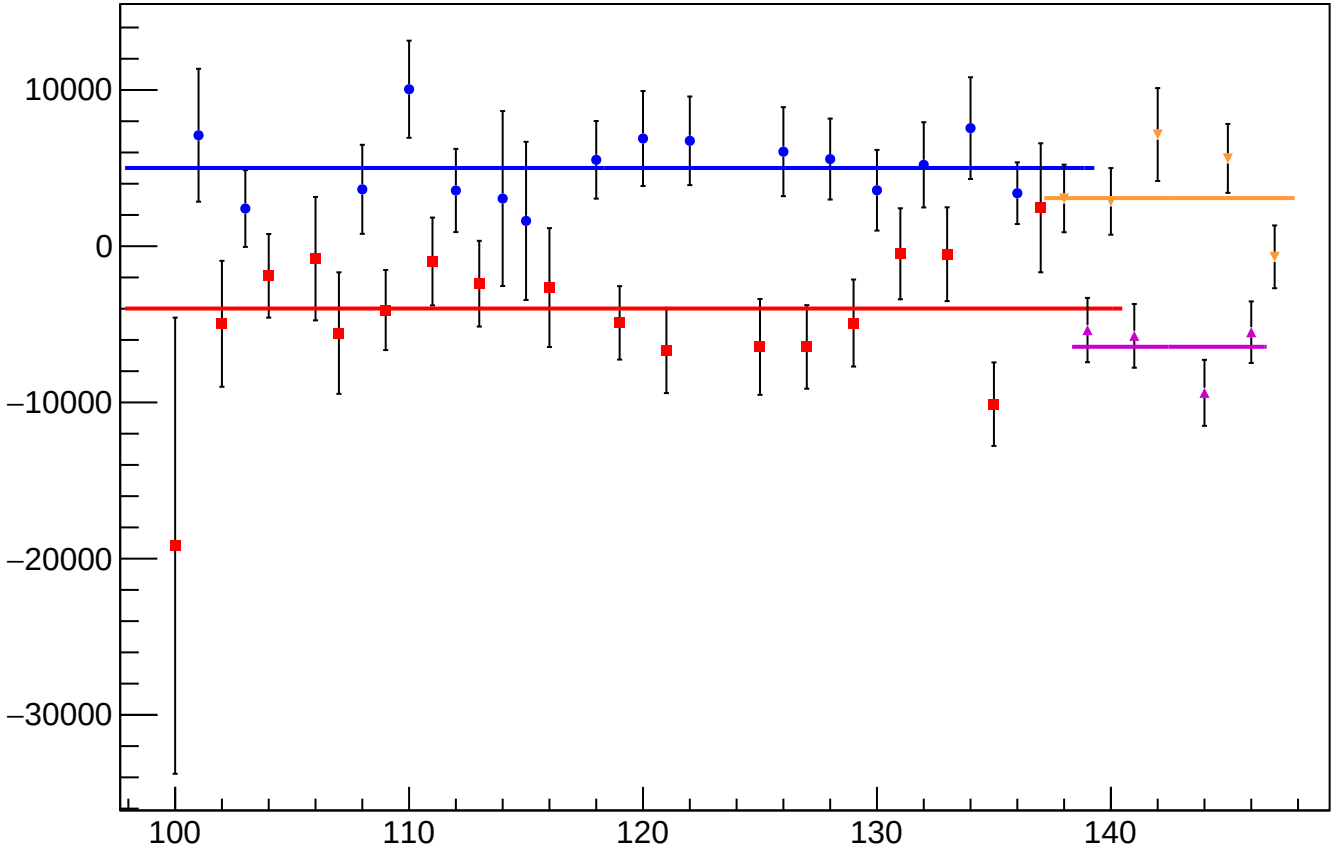
Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

+ sign 4796.254+/-1.074 χ^2/NDF: 1763223.5/20

All: 4730.416+/-0.757 χ^2/NDF: 3857391.0/42

- sign 4665.515+/-1.066 χ^2/NDF: 2086704.3/21

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.021+/-1000.147 χ^2/NDF:6.7/4

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

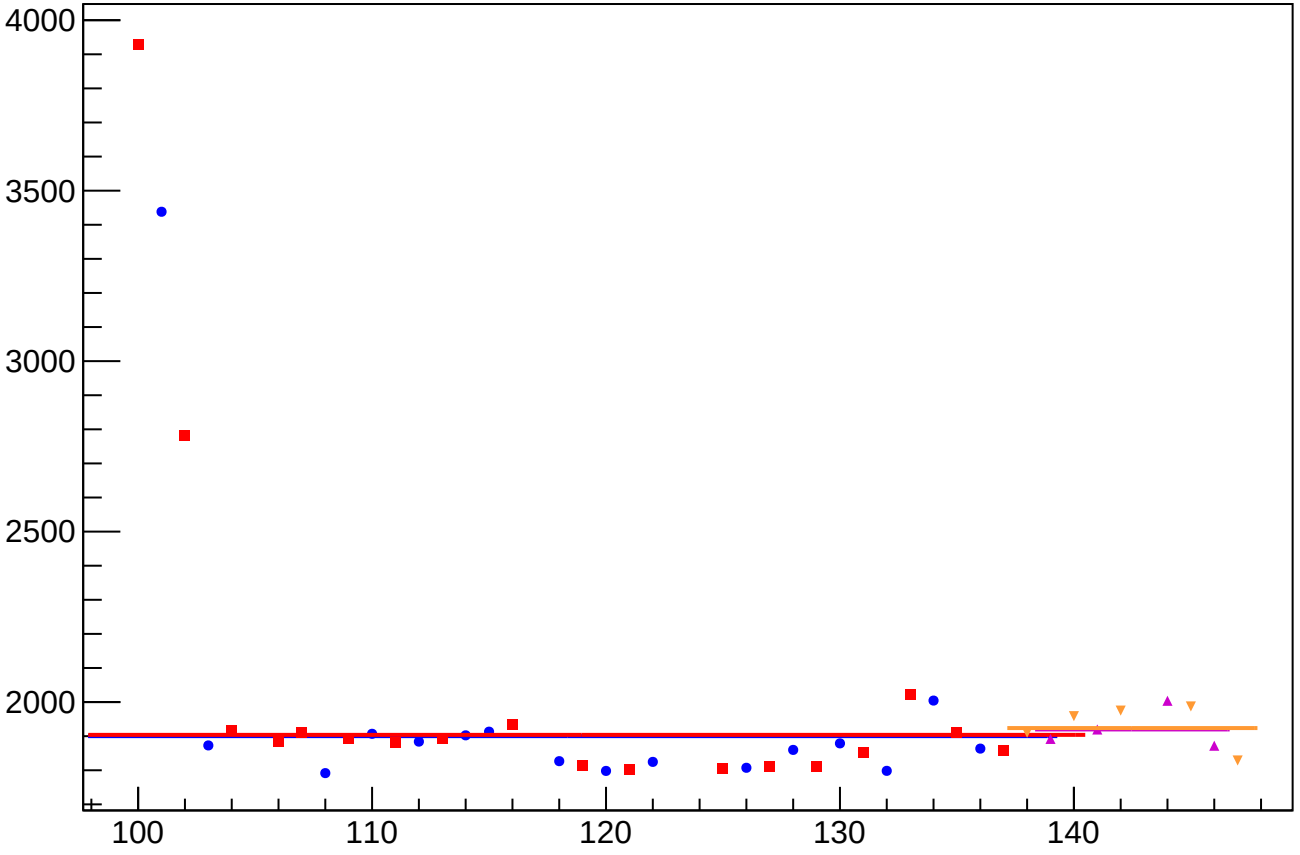
Left In: -6437.768+/-1021.876 χ^2/NDF:2.6/3

+ sign 4356.938+/-581.146 χ^2/NDF: 16.8/20

All: -167.535+/-413.349 χ^2/NDF: 163.3/42

- sign -4800.032+/-588.043 χ^2/NDF: 23.8/21

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1923.762+/-0.707 χ^2/NDF:7334.6/4

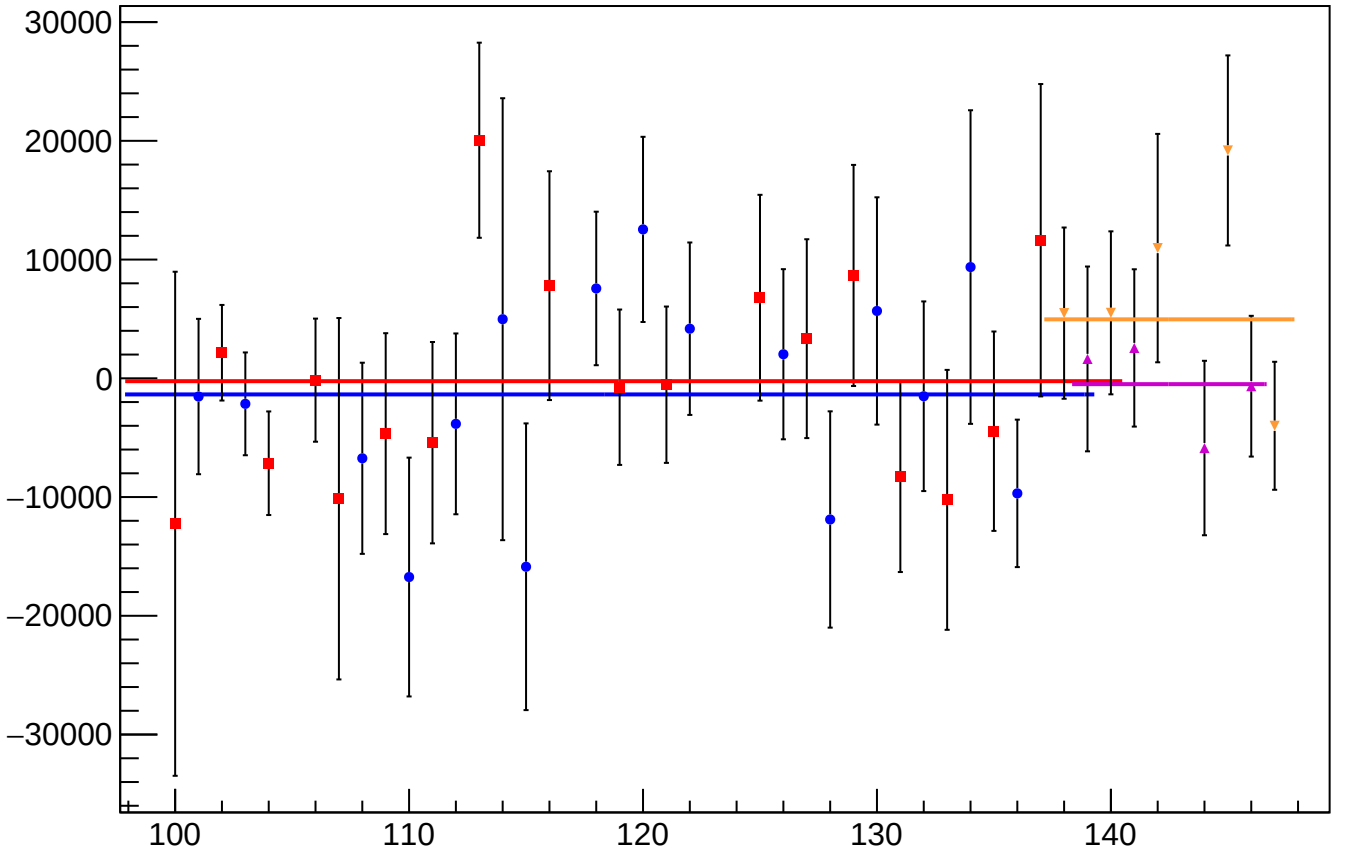
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1919.727+/-0.723 χ^2/NDF:4706.7/3

+ sign 1908.097+/-0.411 χ^2/NDF: 286523.6/20

All: 1908.585+/-0.292 χ^2/NDF: 441673.1/42

- sign 1909.085+/-0.416 χ^2/NDF: 155146.7/21



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 4965.624+/-3141.802 χ^2/NDF:6.3/4

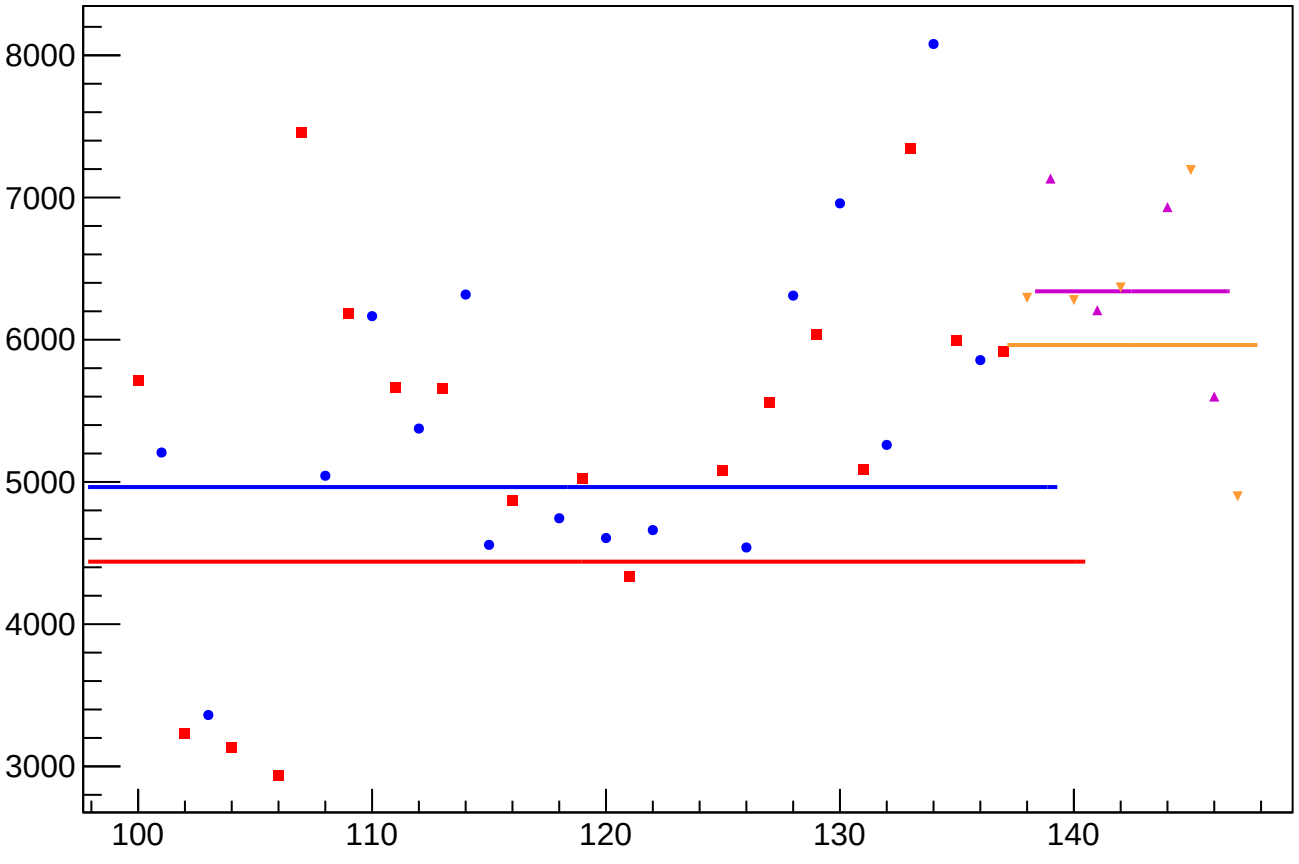
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -492.283+/-3404.095 χ^2/NDF:0.8/3

+ sign 331.158+/-1623.306 χ^2/NDF: 24.0/20

All: 1.209+/-1113.380 χ^2/NDF: 40.6/42

- sign -291.881+/-1529.952 χ^2/NDF: 16.6/21



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5962.952+/-2.222 χ^2/NDF:137214.8/4

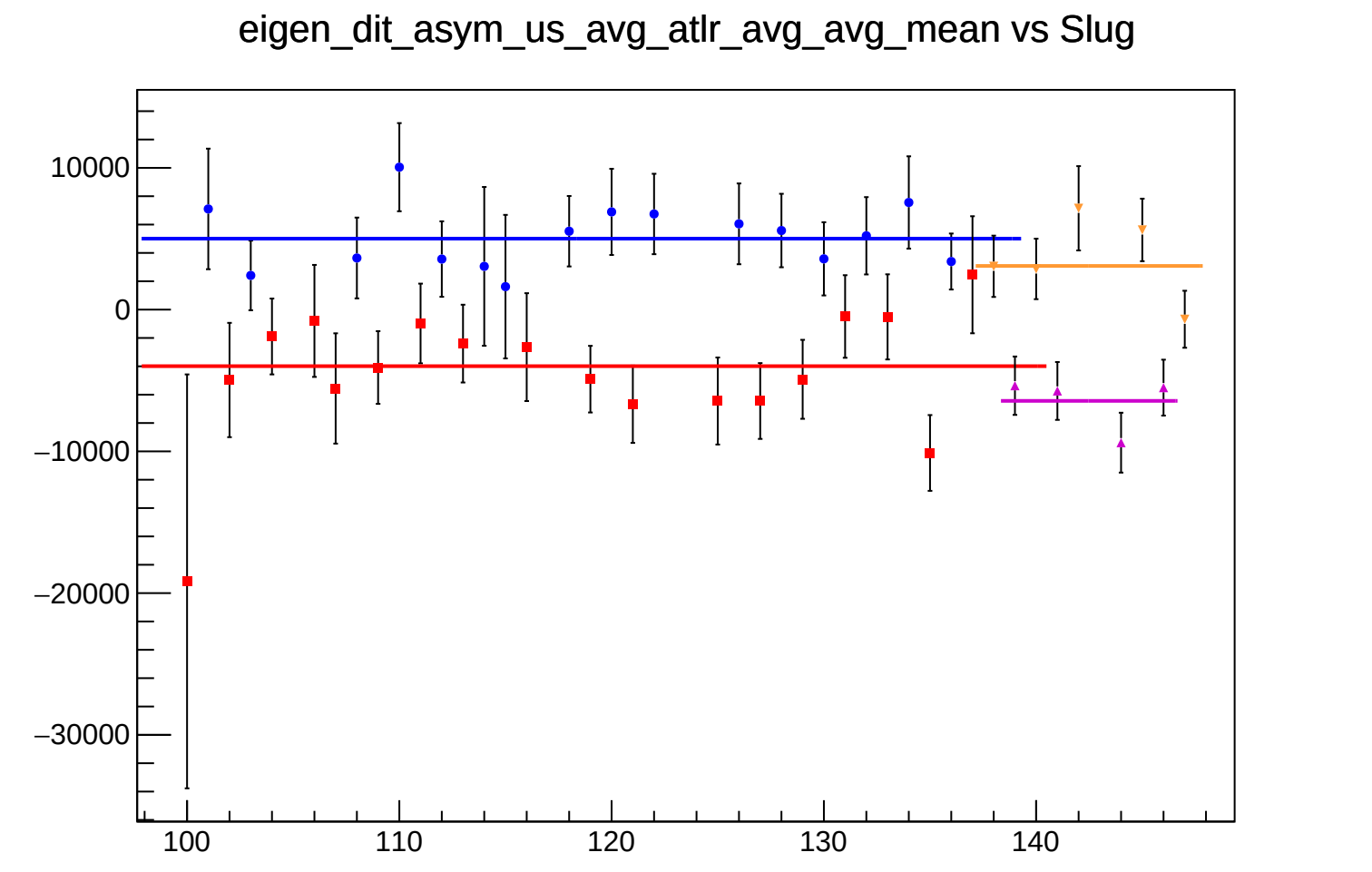
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6340.441+/-2.407 χ^2/NDF:65723.8/3

+ sign 5230.677+/-1.148 χ^2/NDF: 912806.8/20

All: 5015.113+/-0.787 χ^2/NDF: 2701244.2/42

- sign 4823.630+/-1.082 χ^2/NDF: 1721841.3/21



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.033+/-1000.148 χ^2/NDF:6.7/4

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

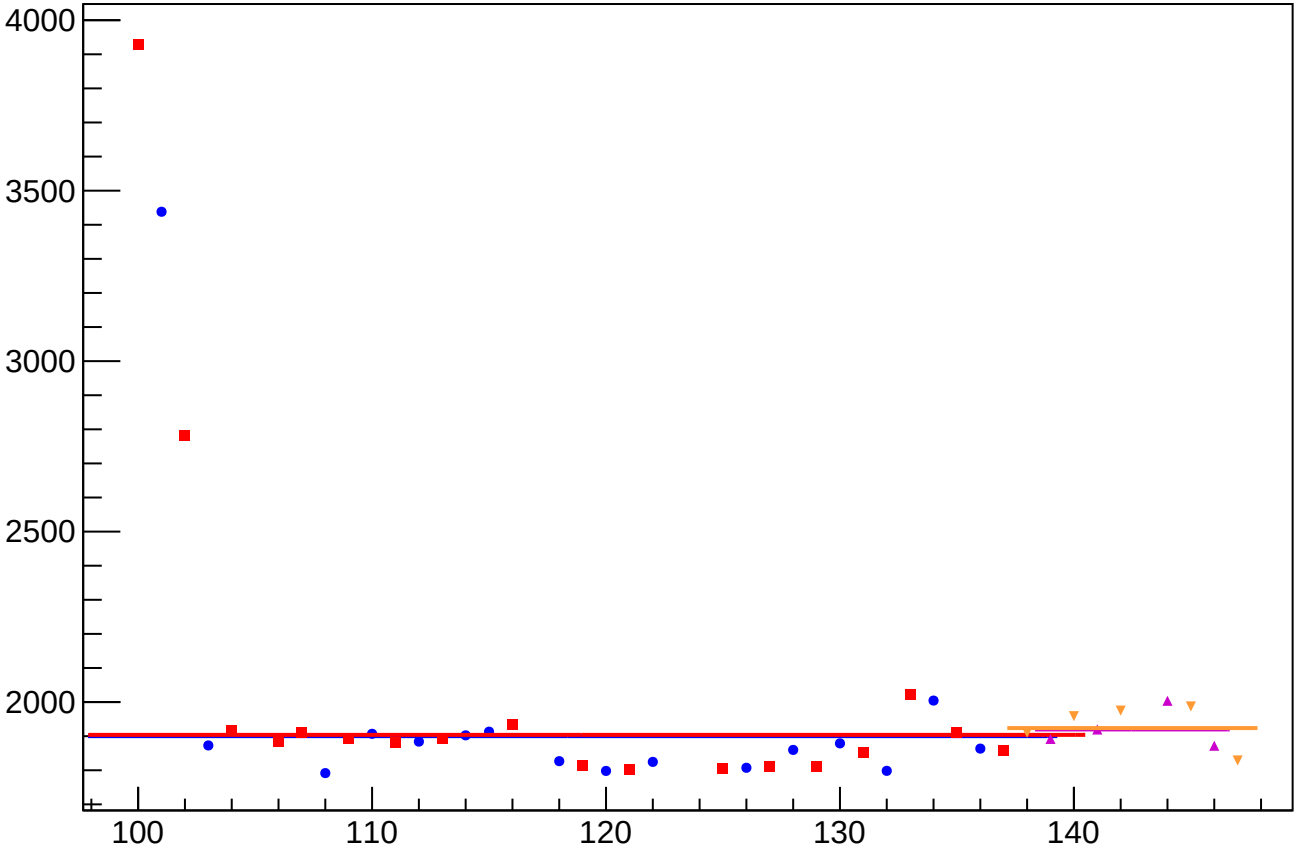
Left In: -6437.762+/-1021.877 χ^2/NDF:2.6/3

+ sign 4356.941+/-581.146 χ^2/NDF: 16.8/20

All: -167.531+/-413.349 χ^2/NDF: 163.3/42

- sign -4800.028+/-588.043 χ^2/NDF: 23.8/21

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: 1923.763+/-0.707 χ^2/NDF:7334.8/4

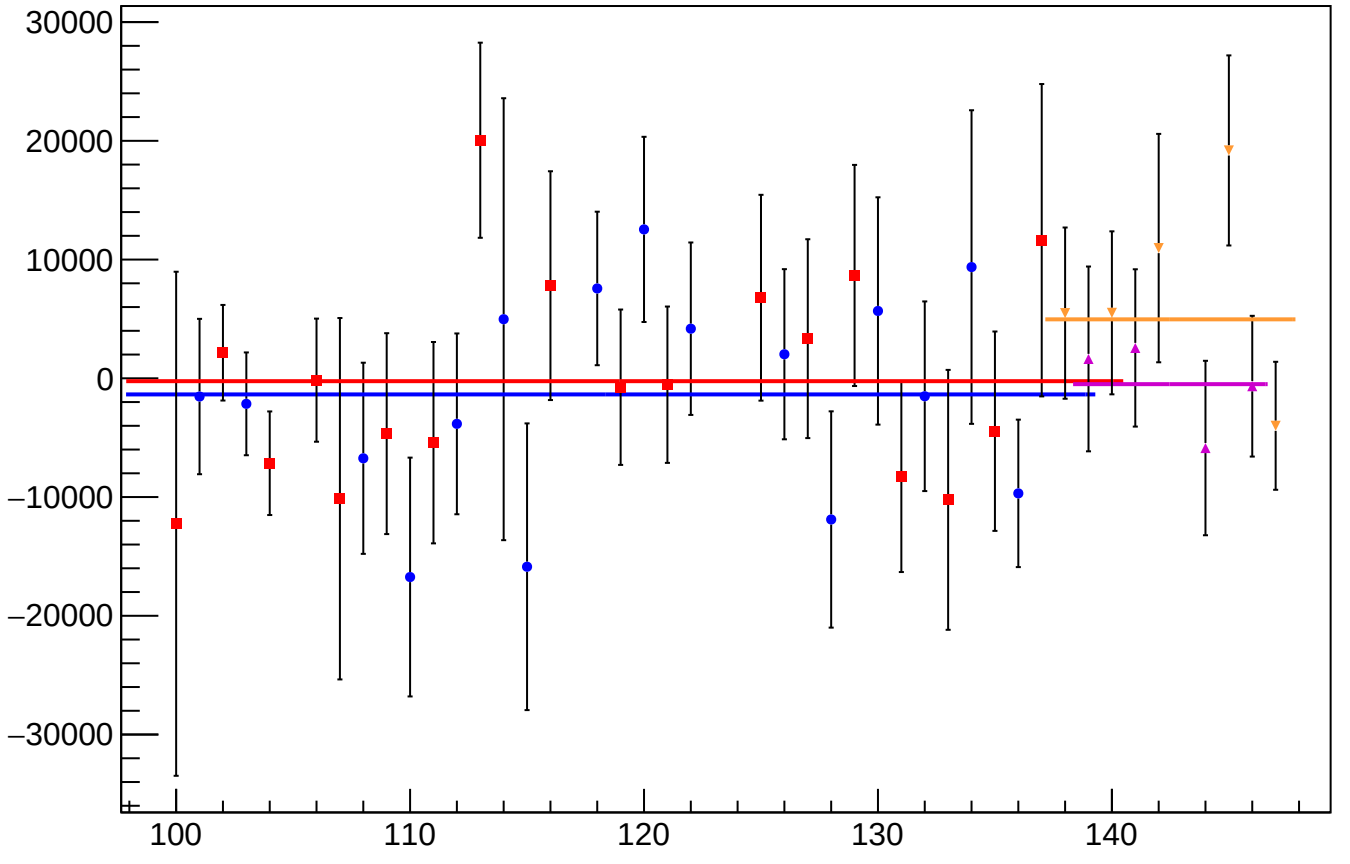
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1919.729+/-0.723 χ^2/NDF:4706.8/3

+ sign 1908.096+/-0.411 χ^2/NDF: 286524.1/20

All: 1908.585+/-0.292 χ^2/NDF: 441673.1/42

- sign 1909.085+/-0.416 χ^2/NDF: 155146.1/21



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 4965.626+/-3141.808 χ^2/NDF:6.3/4

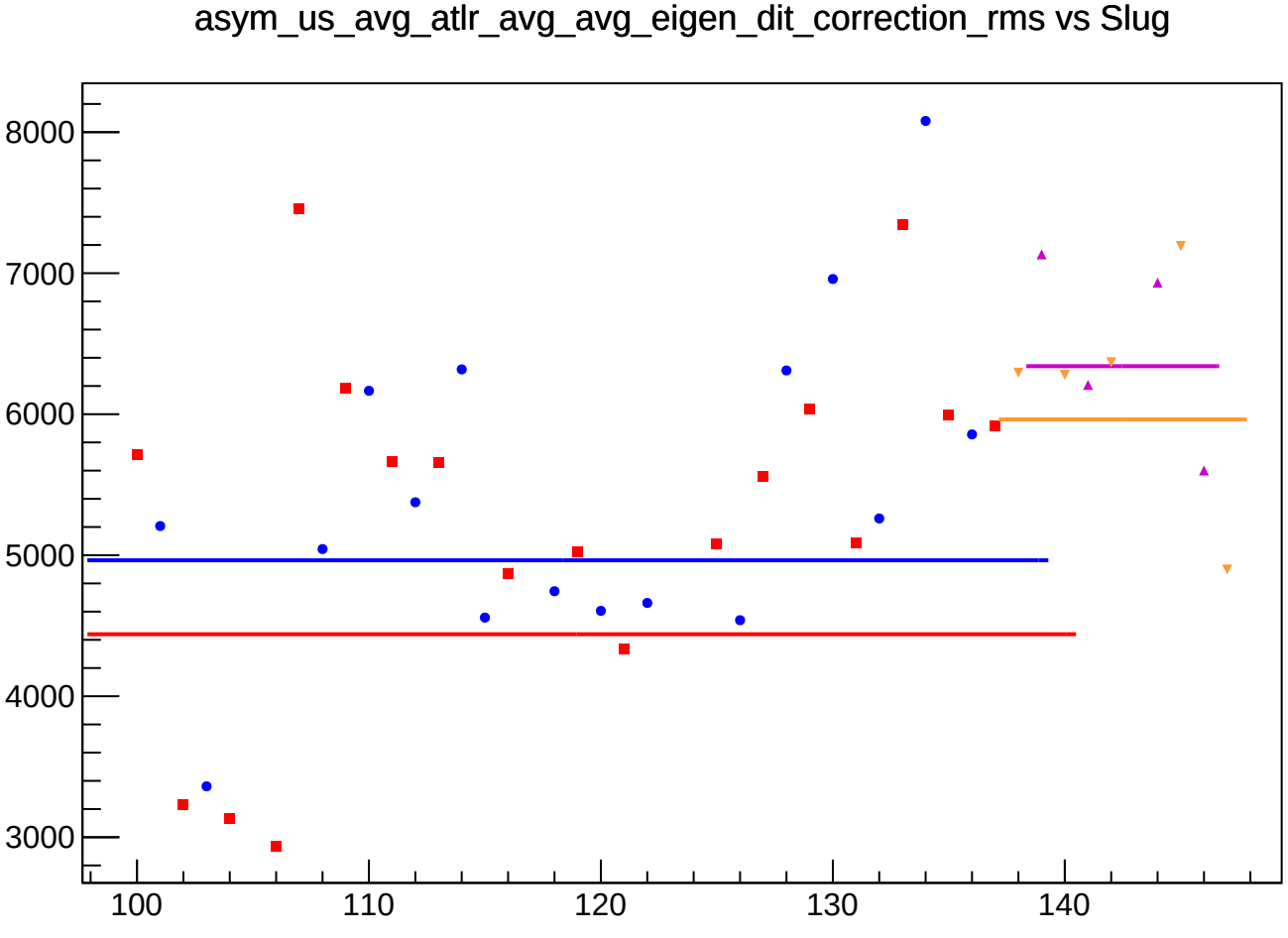
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -492.275+/-3404.101 χ^2/NDF:0.8/3

+ sign 331.156+/-1623.304 χ^2/NDF: 24.0/20

All: 1.208+/-1113.378 χ^2/NDF: 40.6/42

- sign -291.881+/-1529.949 χ^2/NDF: 16.6/21



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5962.961+/-2.222 χ^2/NDF:137215.9/4

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

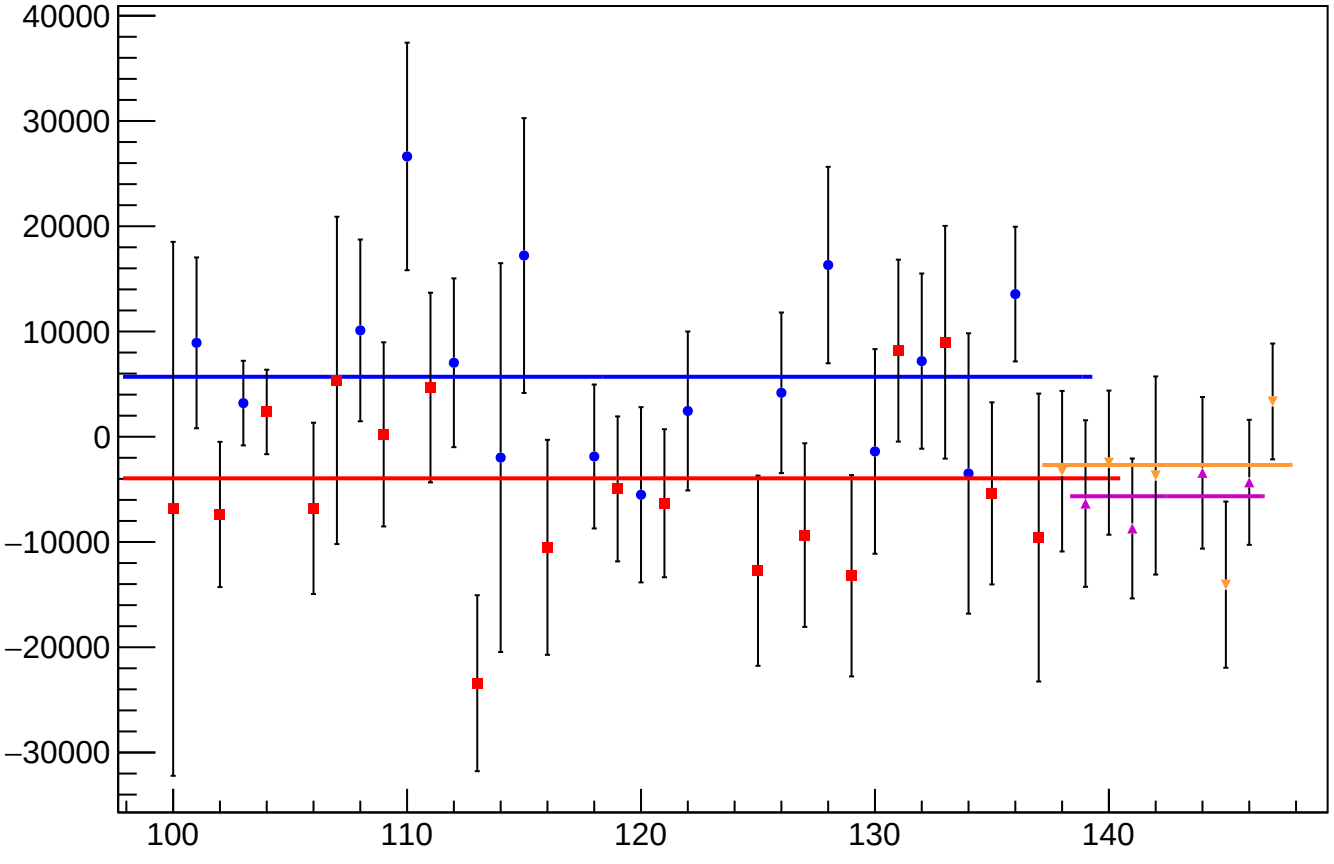
Left In: 6340.451+/-2.407 χ^2/NDF:65724.3/3

+ sign 5230.668+/-1.148 χ^2/NDF: 912816.8/20

All: 5015.104+/-0.787 χ^2/NDF: 2701265.4/42

- sign 4823.621+/-1.082 χ^2/NDF: 1721851.9/21

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2681.017+/-3180.431 χ^2/NDF:3.3/4

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

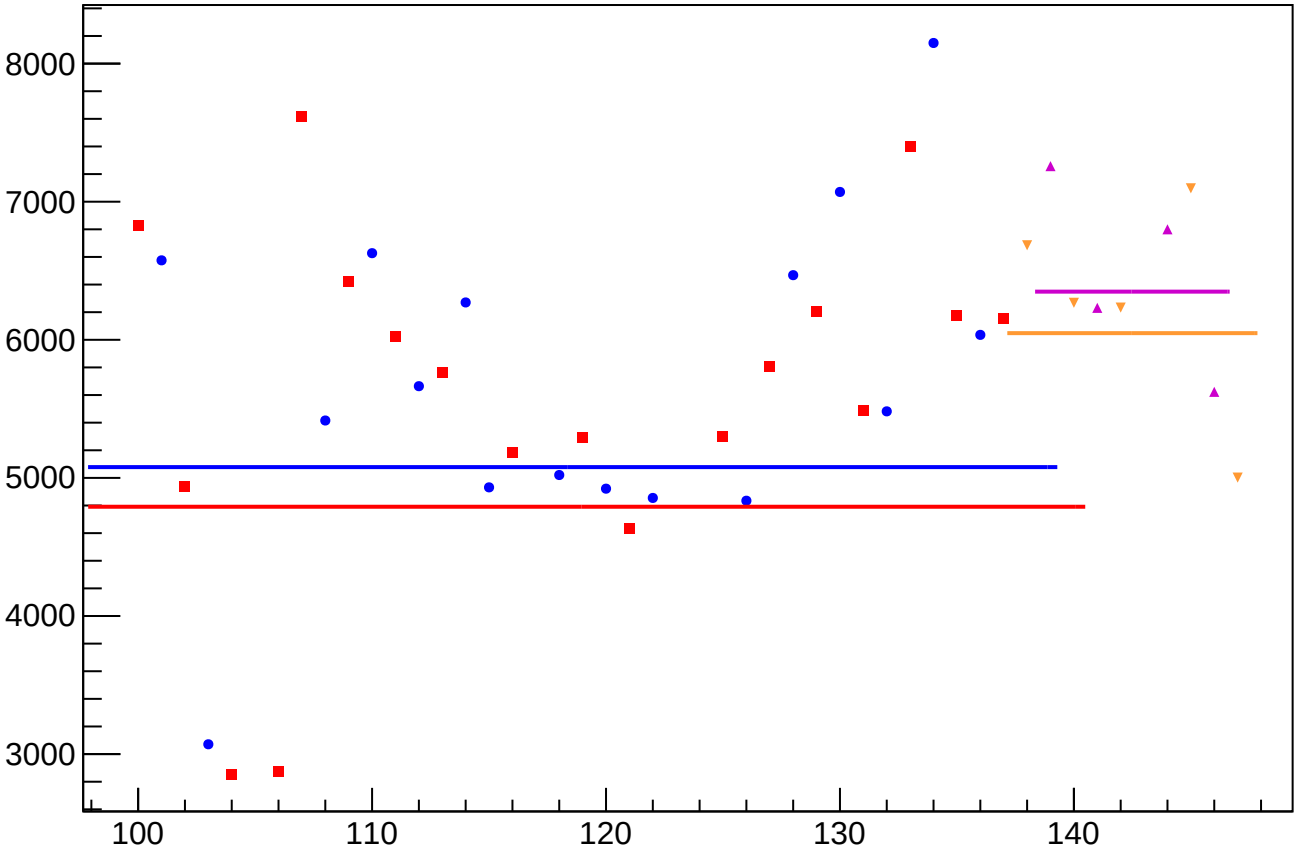
Left In: -5652.206+/-3405.706 χ^2/NDF:0.4/3

+ sign 3392.446+/-1668.107 χ^2/NDF: 21.0/20

All: -472.762+/-1181.224 χ^2/NDF: 48.4/42

- sign -4360.257+/-1672.909 χ^2/NDF: 16.7/21

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6048.245+/-2.249 χ^2/NDF:124294.1/4

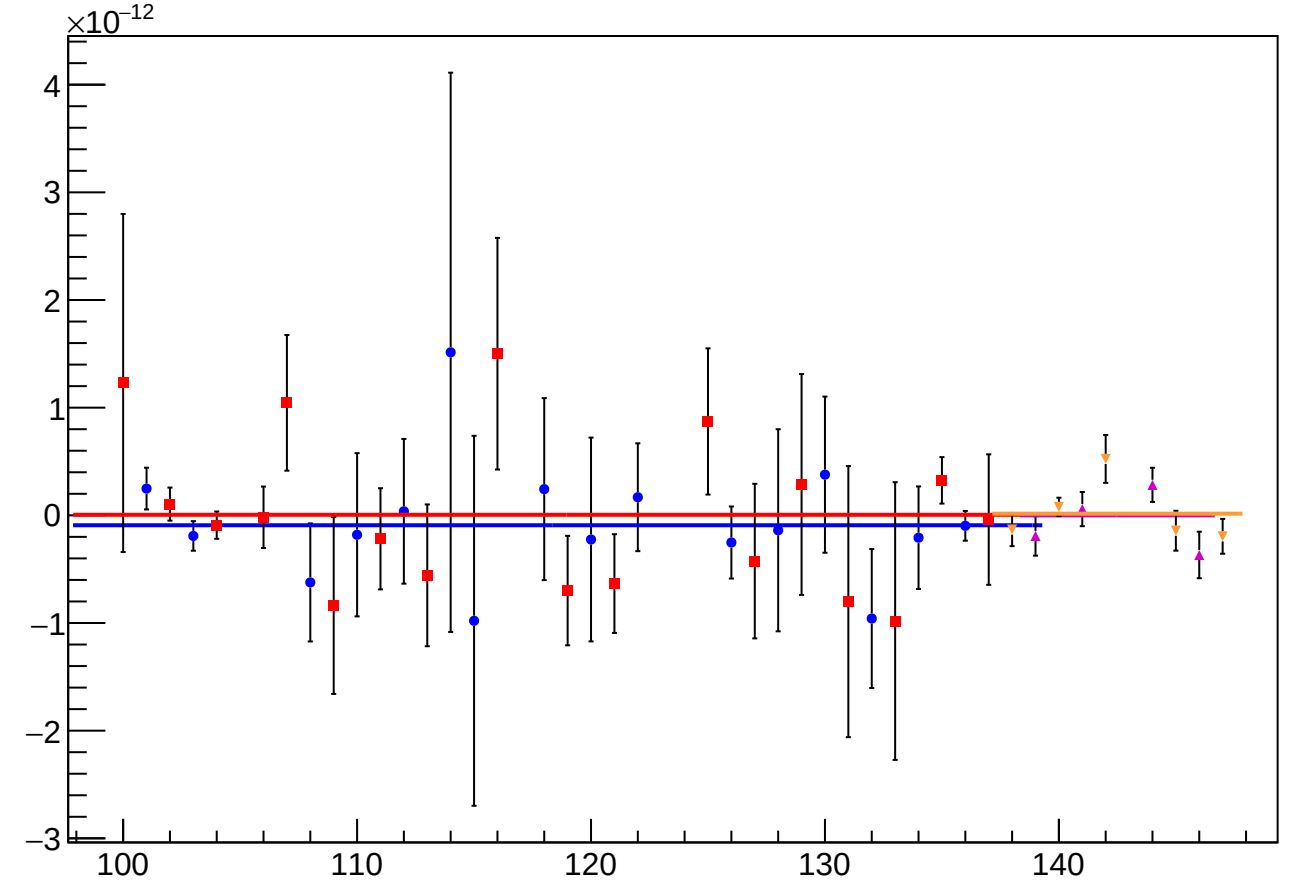
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6348.772+/-2.408 χ^2/NDF:64686.6/3

+ sign 5345.012+/-1.180 χ^2/NDF: 1178390.0/20

All: 5249.061+/-0.829 χ^2/NDF: 2739092.3/42

- sign 5155.503+/-1.165 χ^2/NDF: 1547632.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/4

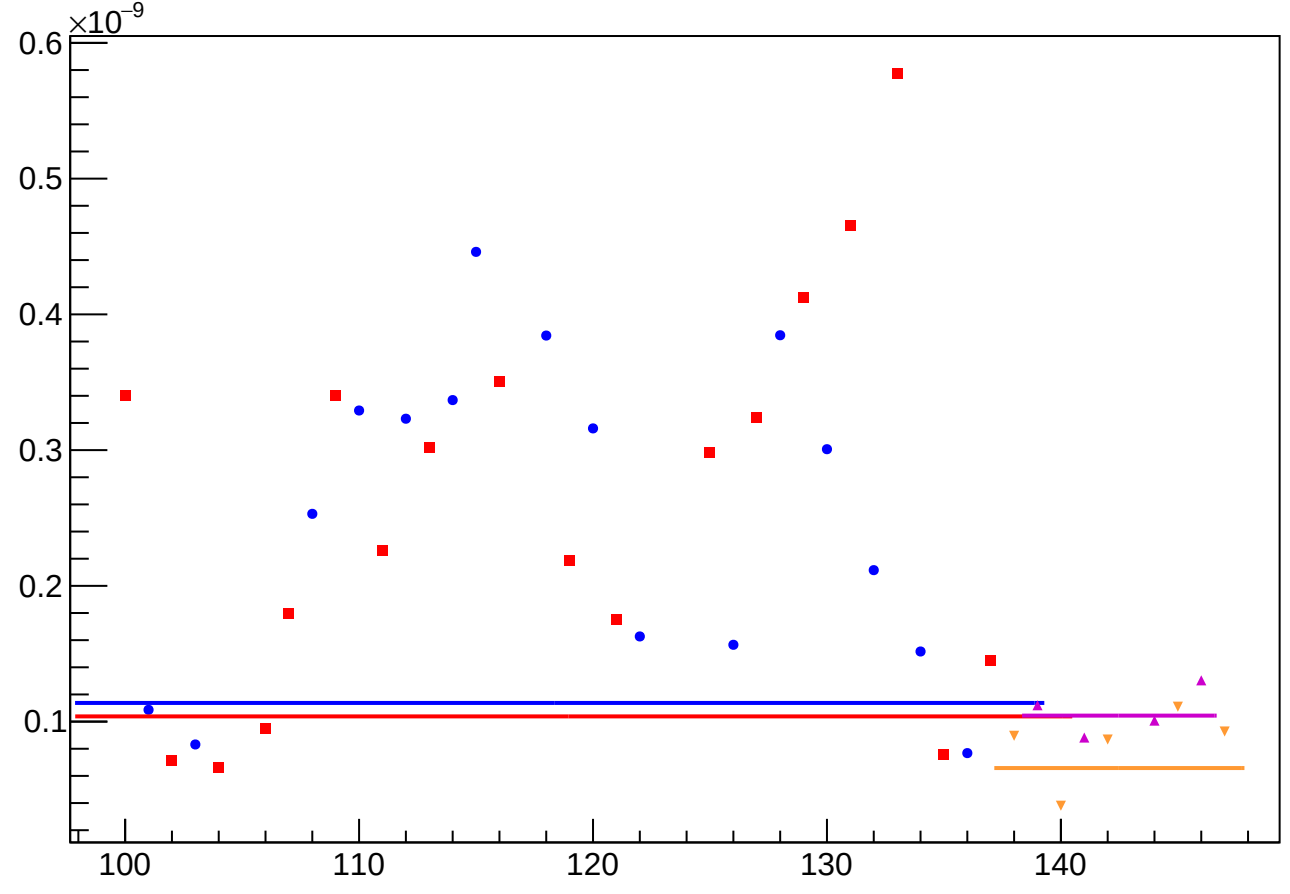
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.5/20

All: -0.000+/-0.000 χ^2/NDF: 43.3/42

- sign 0.000+/-0.000 χ^2/NDF: 24.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449166.4/4

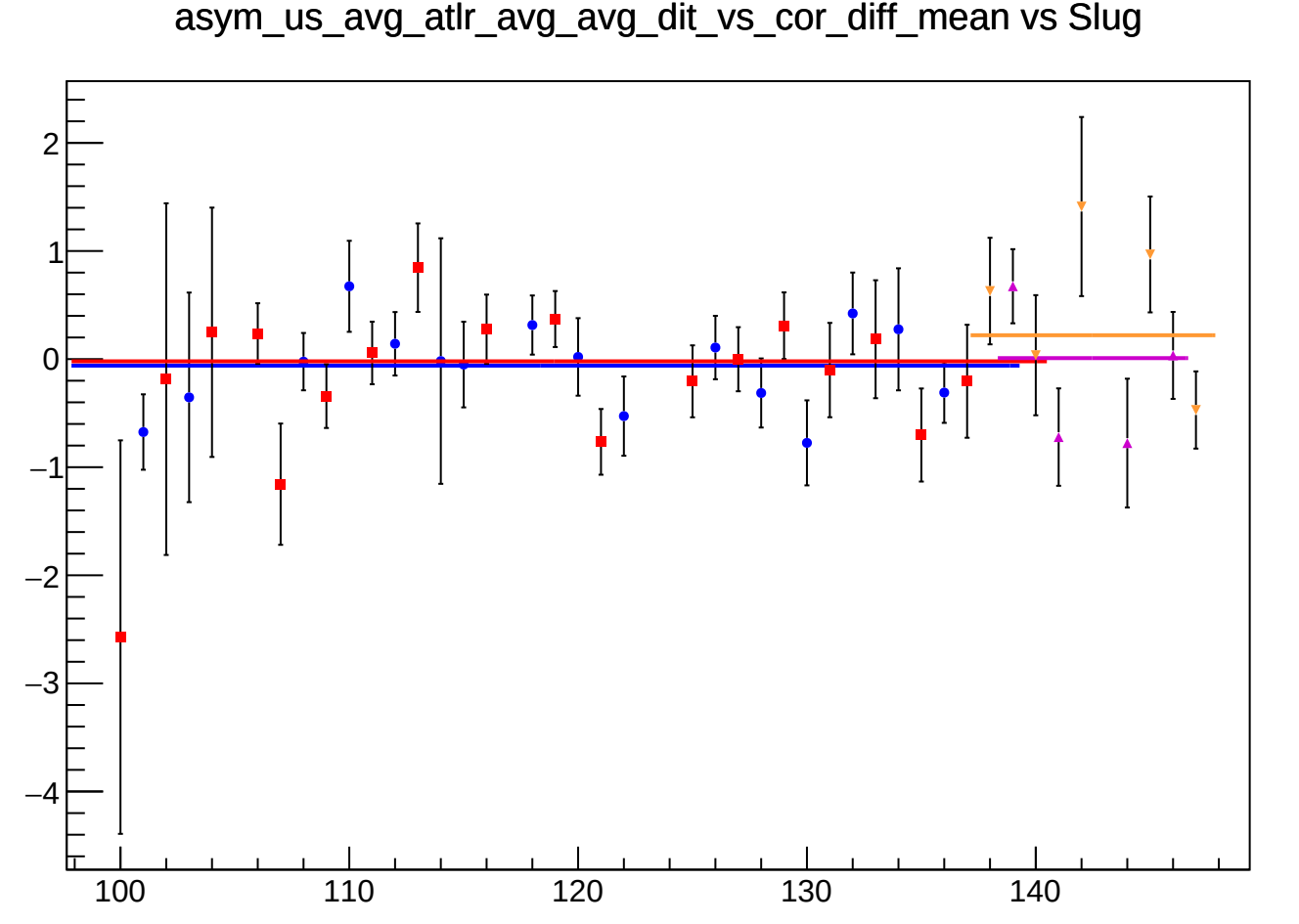
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:54192.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2442587.0/20

All: 0.000+/-0.000 χ^2/NDF: 4724210.2/42

- sign 0.000+/-0.000 χ^2/NDF: 2141774.5/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

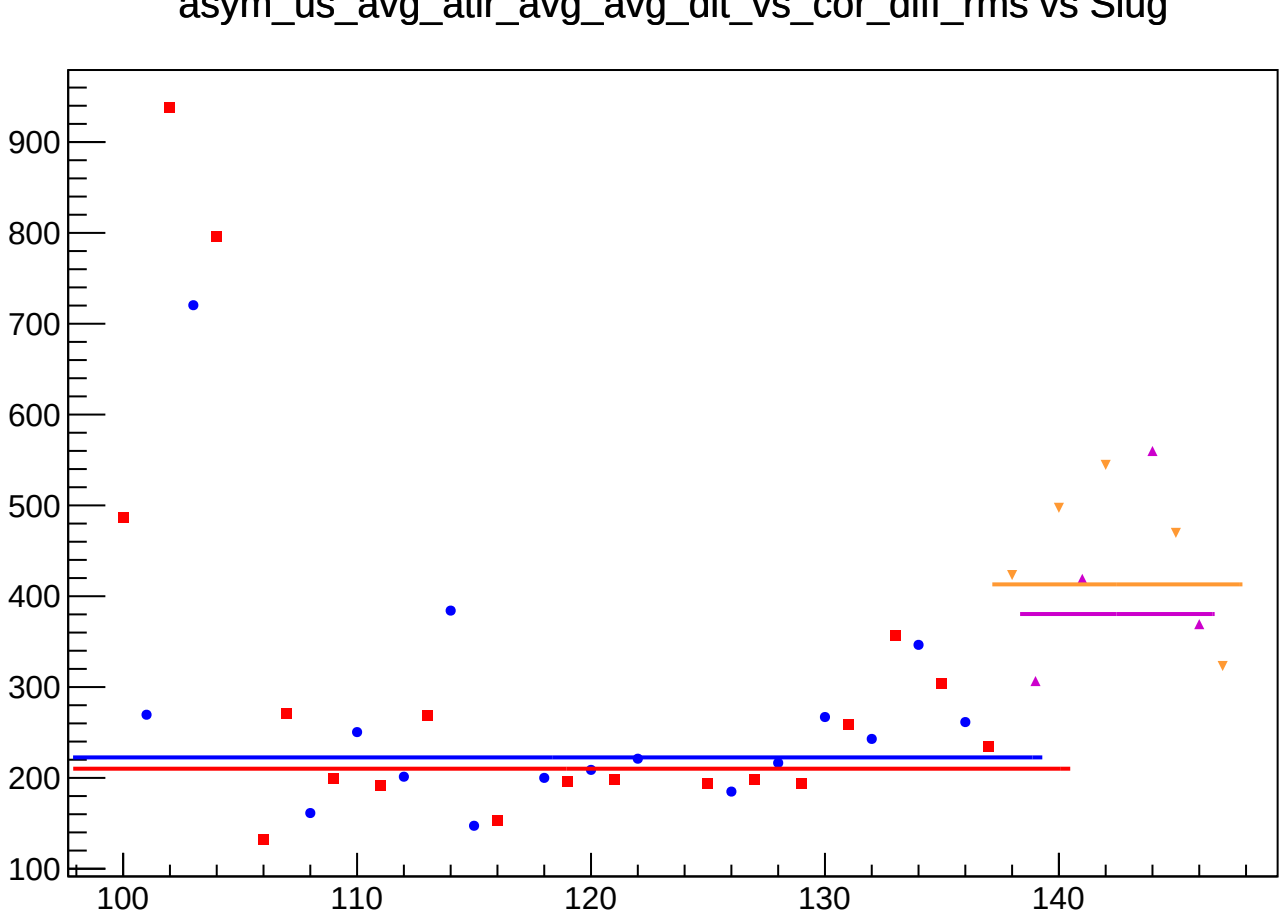
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.019+/-0.058 χ^2/NDF: 61.5/42

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

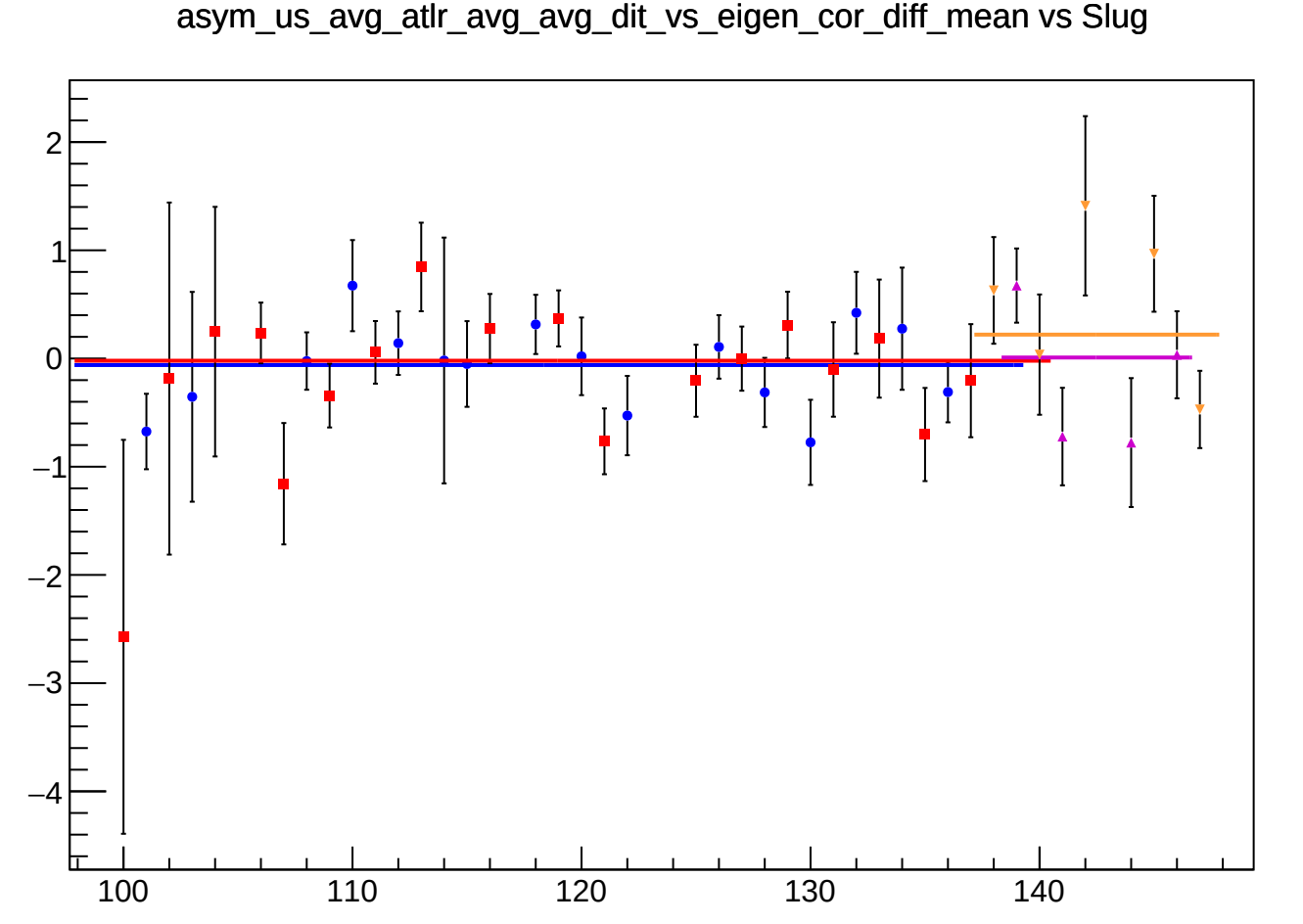
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

+ sign 248.592+/-0.058 χ^2/NDF: 2526369.1/20

All: 241.685+/-0.041 χ^2/NDF: 5503252.6/42

- sign 235.043+/-0.057 χ^2/NDF: 2949301.7/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

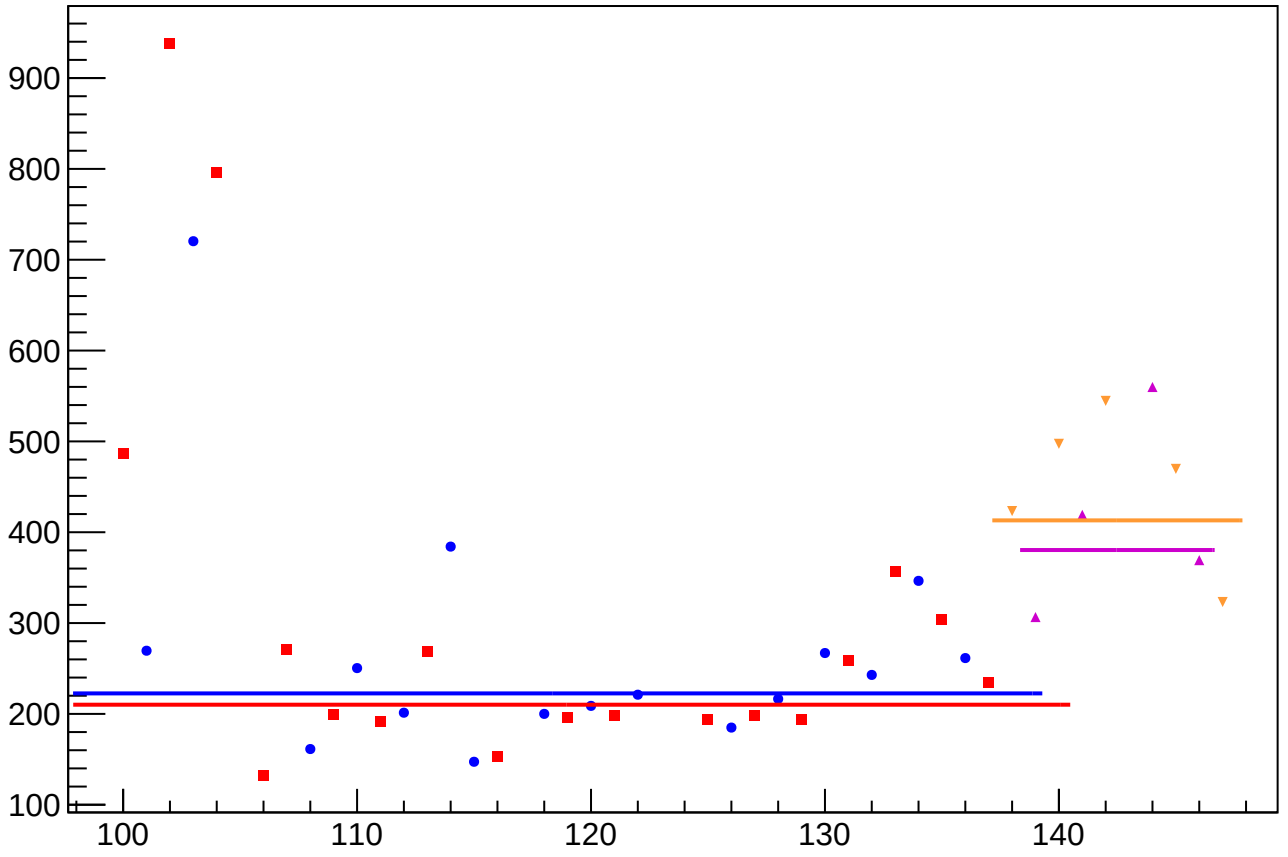
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.019+/-0.058 χ^2/NDF: 61.5/42

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

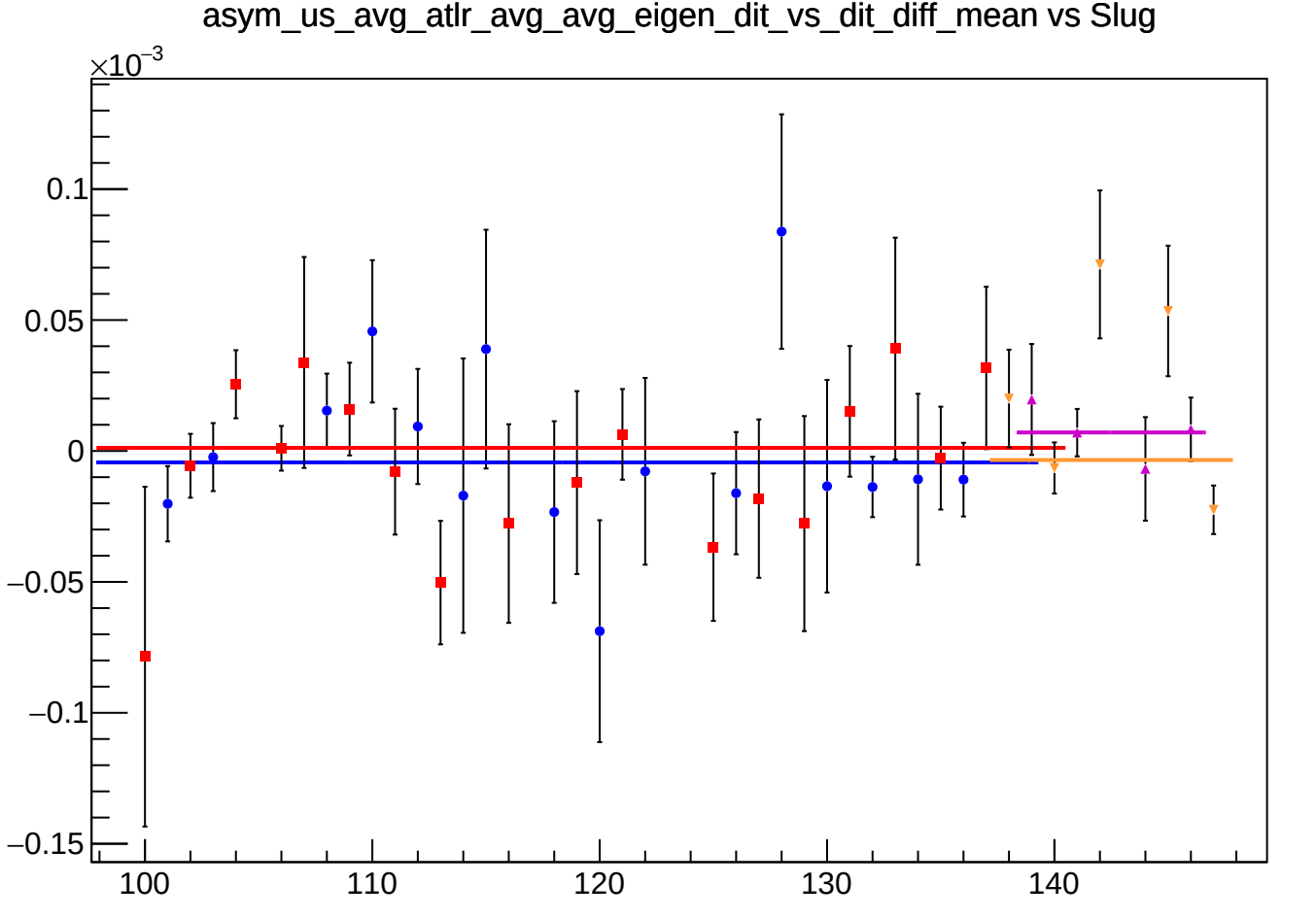
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

+ sign 248.592+/-0.058 χ^2/NDF: 2526369.1/20

All: 241.685+/-0.041 χ^2/NDF: 5503252.6/42

- sign 235.043+/-0.057 χ^2/NDF: 2949301.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/4

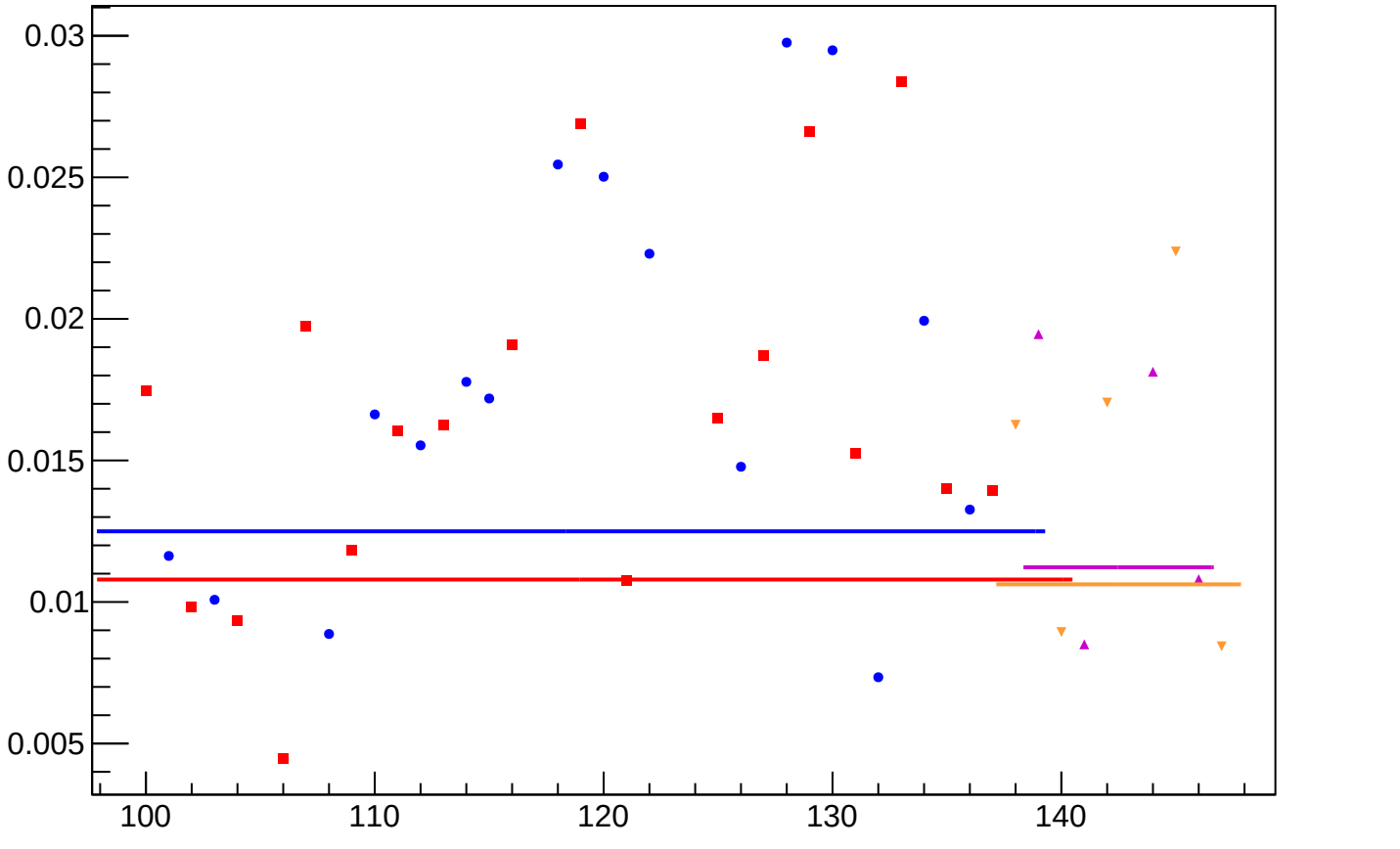
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.7/20

All: -0.000+/-0.000 χ^2/NDF: 54.1/42

- sign 0.000+/-0.000 χ^2/NDF: 18.6/21



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:901544.6/4

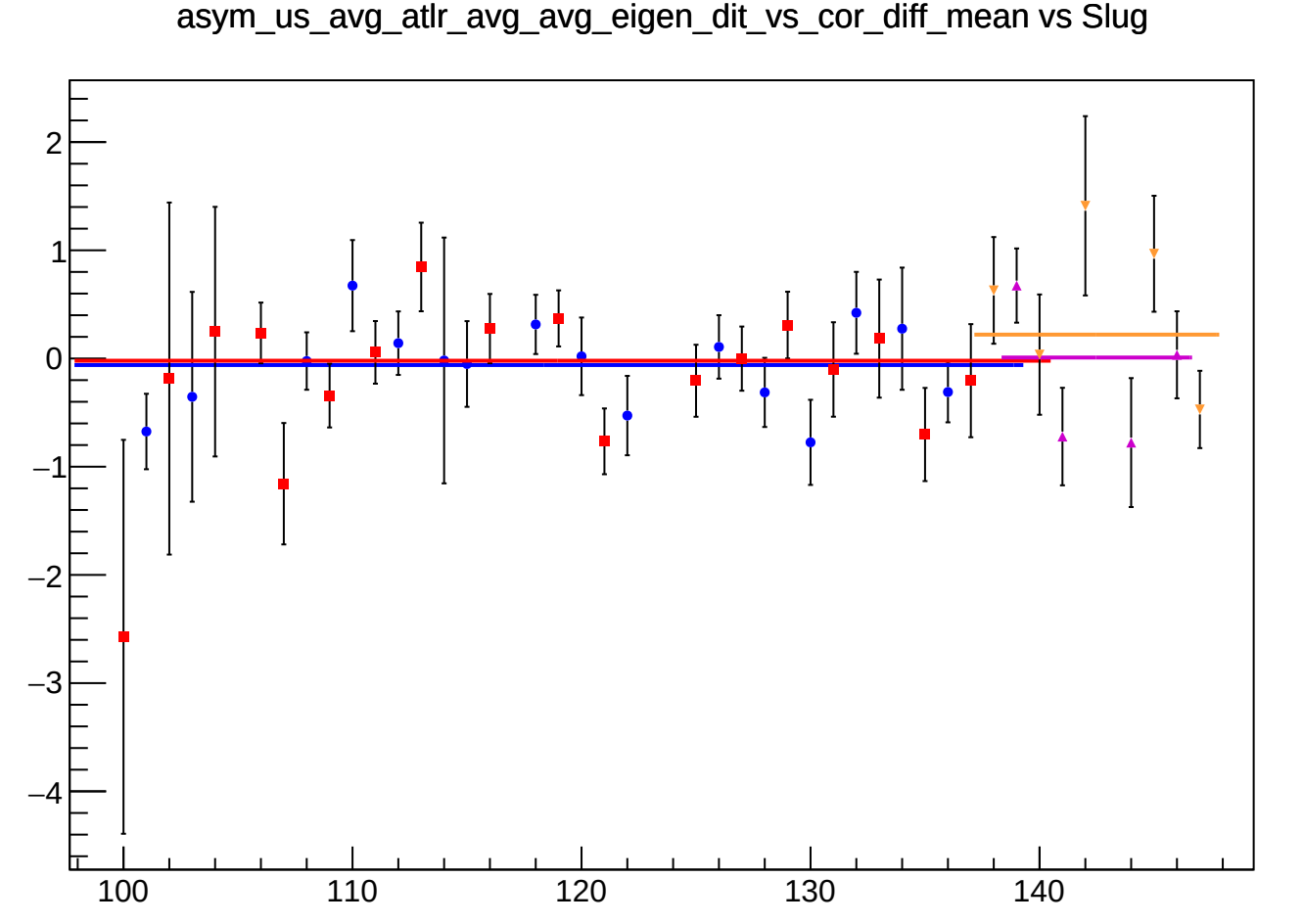
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:729205.2/3

+ sign 0.012+/-0.000 χ^2/NDF: 3130047.3/20

All: 0.011+/-0.000 χ^2/NDF: 6894324.4/42

- sign 0.011+/-0.000 χ^2/NDF: 3722972.6/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

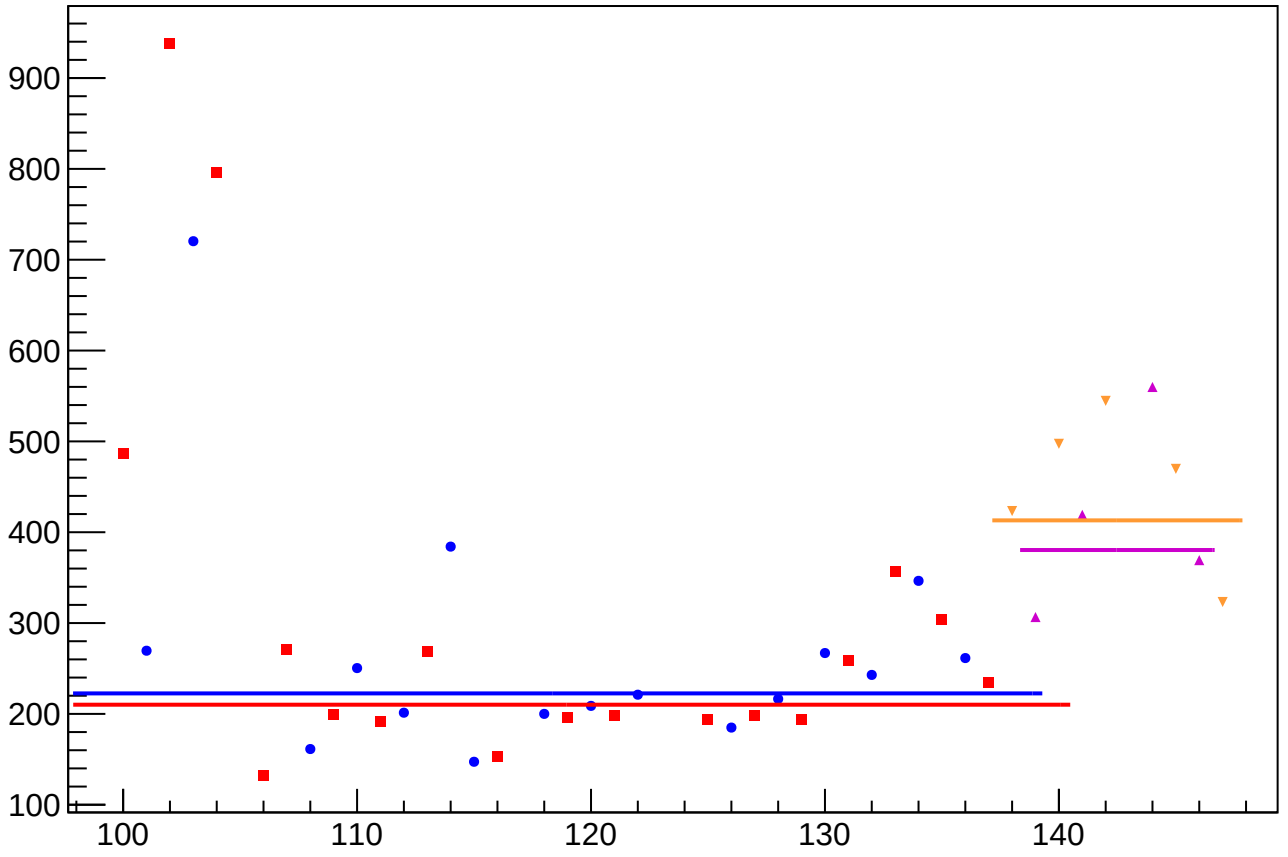
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.019+/-0.058 χ^2/NDF: 61.5/42

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 413.055+/-0.158 χ^2/NDF:246299.9/4

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

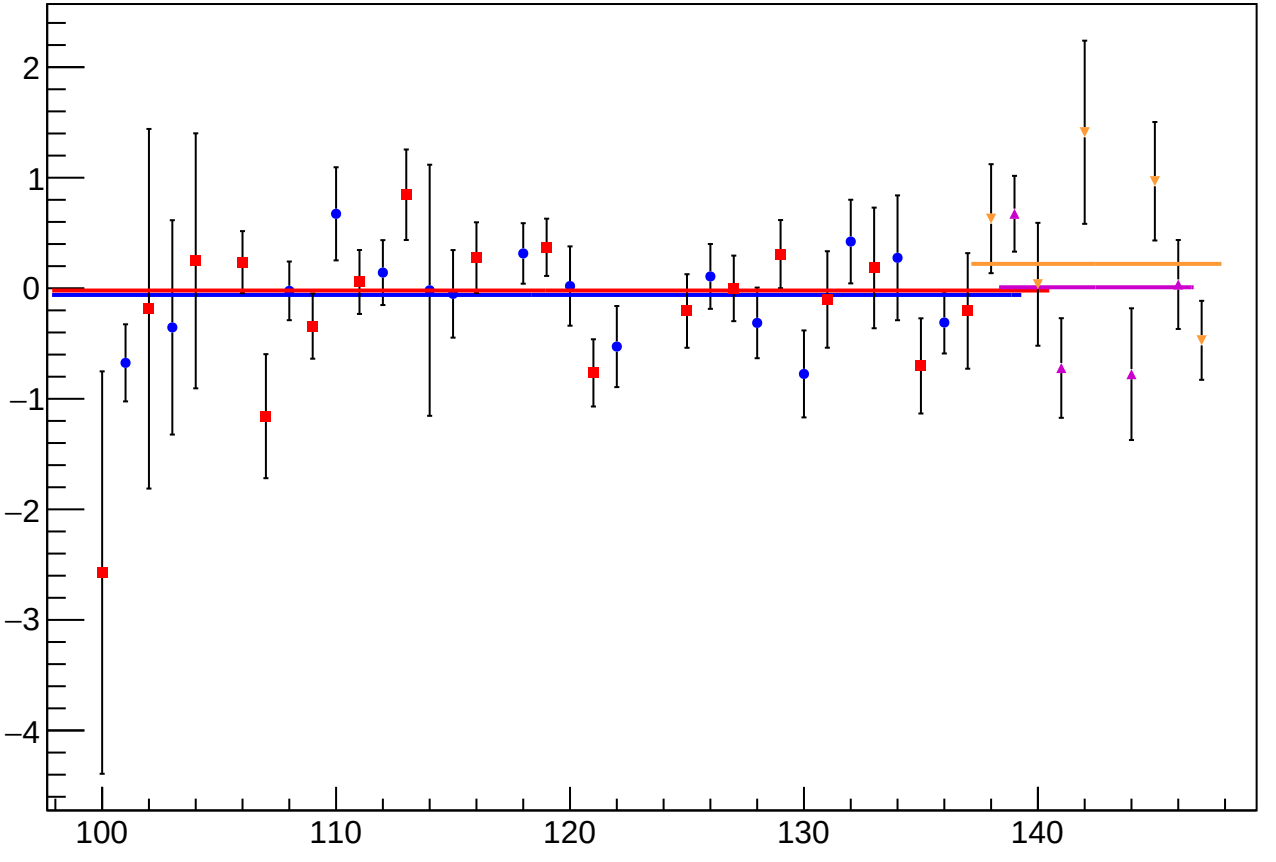
Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

+ sign 248.591+/-0.058 χ^2/NDF: 2526416.3/20

All: 241.683+/-0.041 χ^2/NDF: 5503362.5/42

- sign 235.041+/-0.057 χ^2/NDF: 2949360.8/21

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

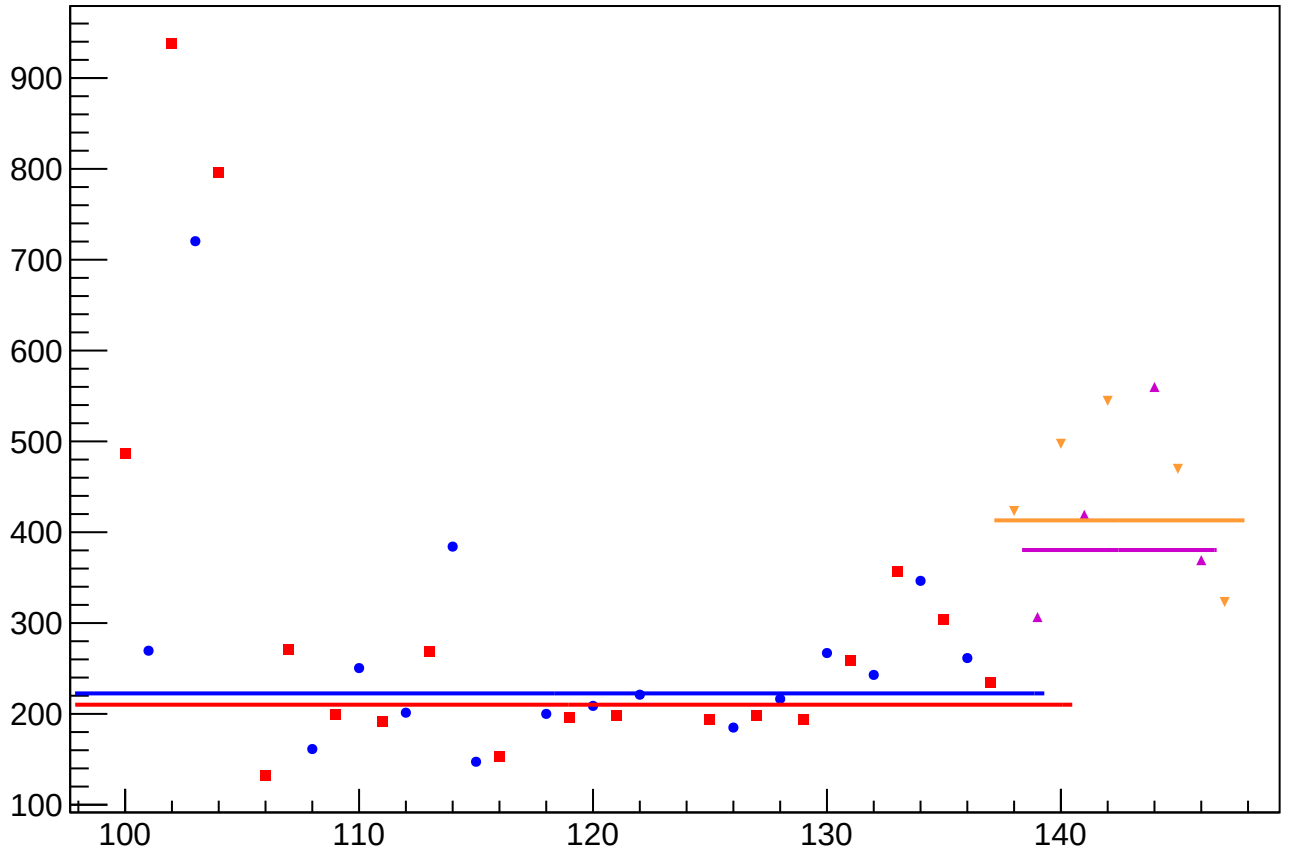
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.019+/-0.058 χ^2/NDF: 61.5/42

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 413.055+/-0.158 χ^2/NDF:246299.9/4

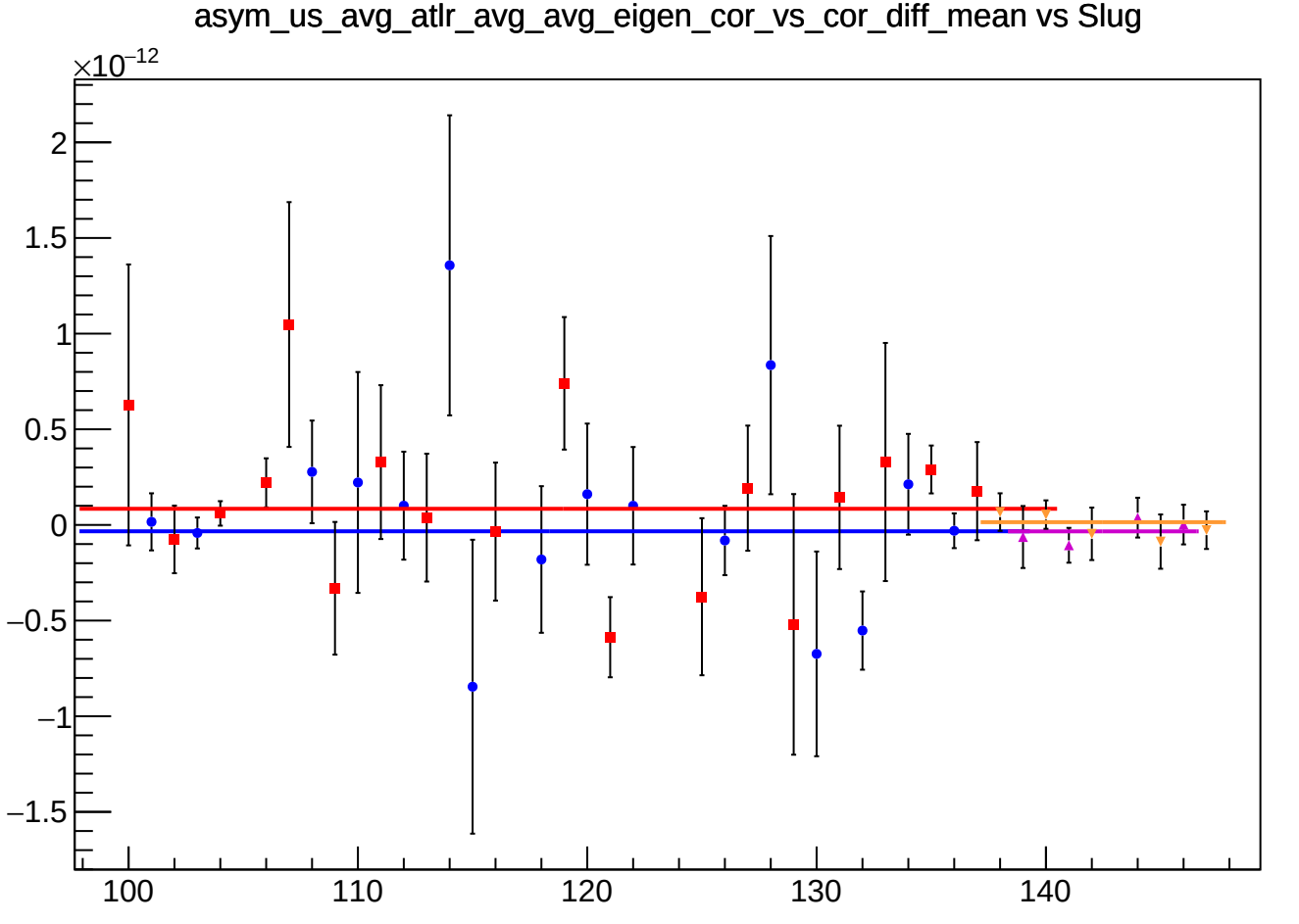
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

+ sign 248.591+/-0.058 χ^2/NDF: 2526416.3/20

All: 241.683+/-0.041 χ^2/NDF: 5503362.5/42

- sign 235.041+/-0.057 χ^2/NDF: 2949360.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

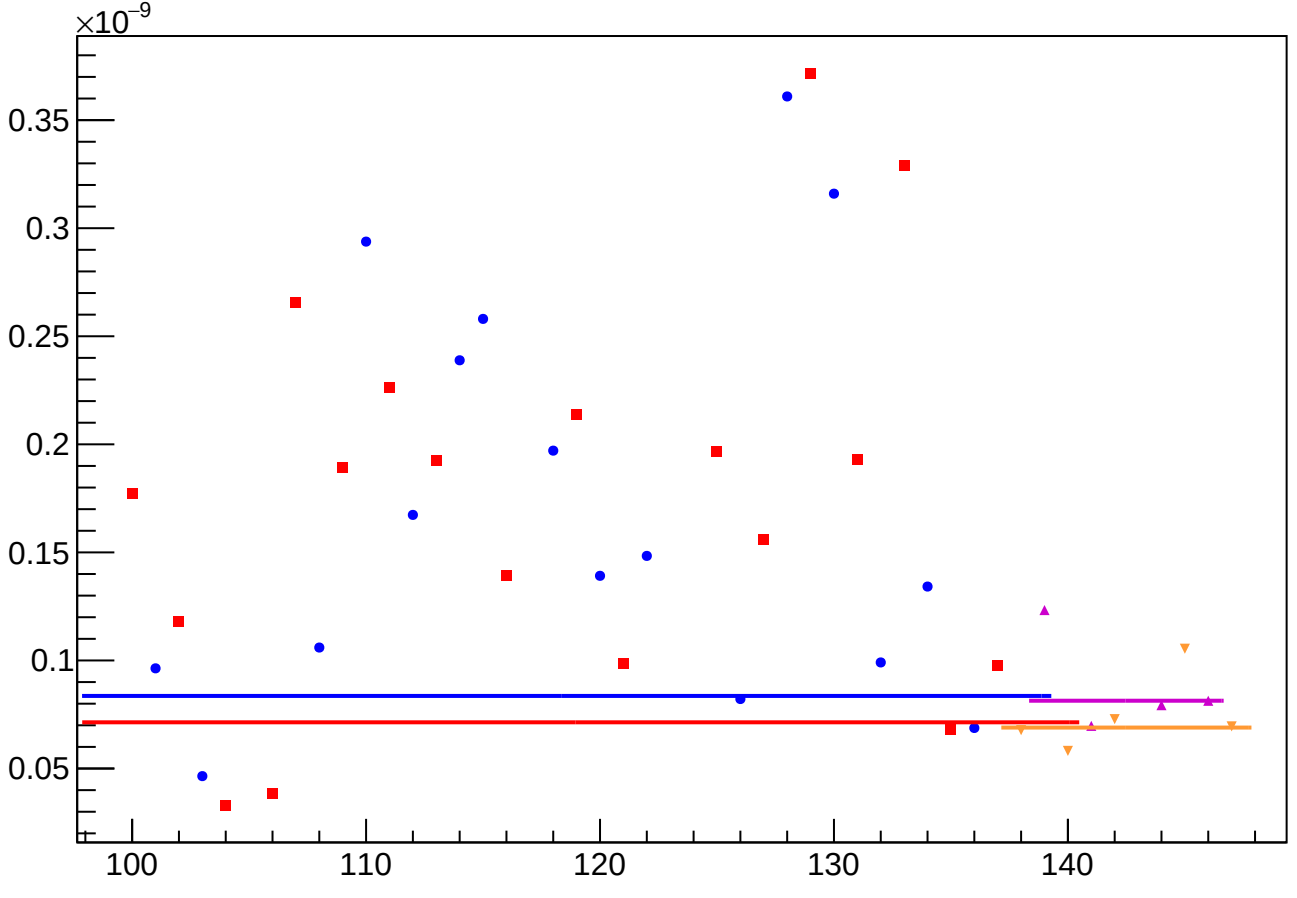
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/20

All: 0.000+/-0.000 χ^2/NDF: 50.1/42

- sign 0.000+/-0.000 χ^2/NDF: 30.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:176278.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

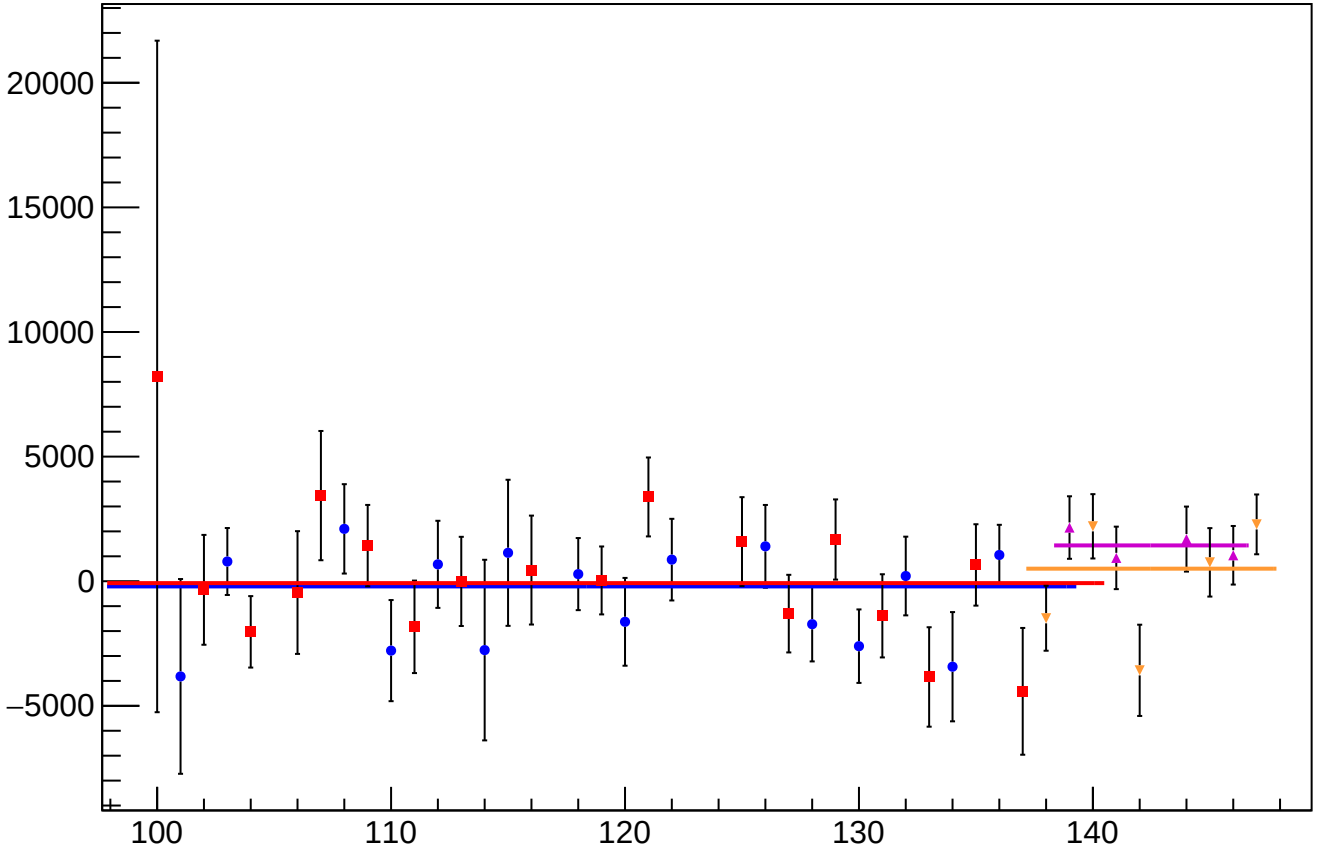
Left In: 0.000+/-0.000 χ^2/NDF:167526.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 2512387.3/20

All: 0.000+/-0.000 χ^2/NDF: 6466362.4/42

- sign 0.000+/-0.000 χ^2/NDF: 3953703.1/21

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.908+/-607.136 χ^2/NDF:11.3/4

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

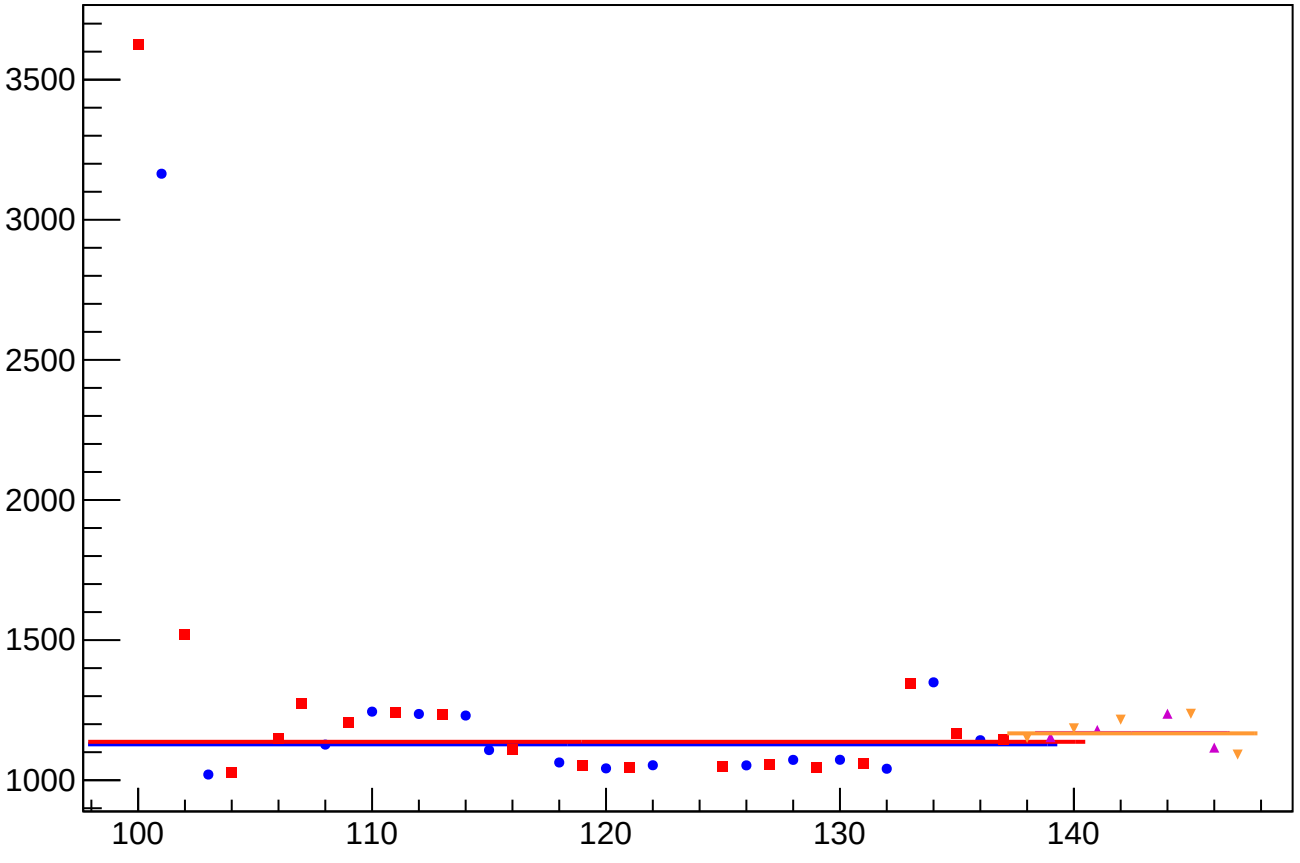
Left In: 1437.033+/-622.168 χ^2/NDF:0.6/3

+ sign 28.963+/-350.445 χ^2/NDF: 26.9/20

All: 219.712+/-249.105 χ^2/NDF: 52.8/42

- sign 414.526+/-354.160 χ^2/NDF: 25.3/21

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

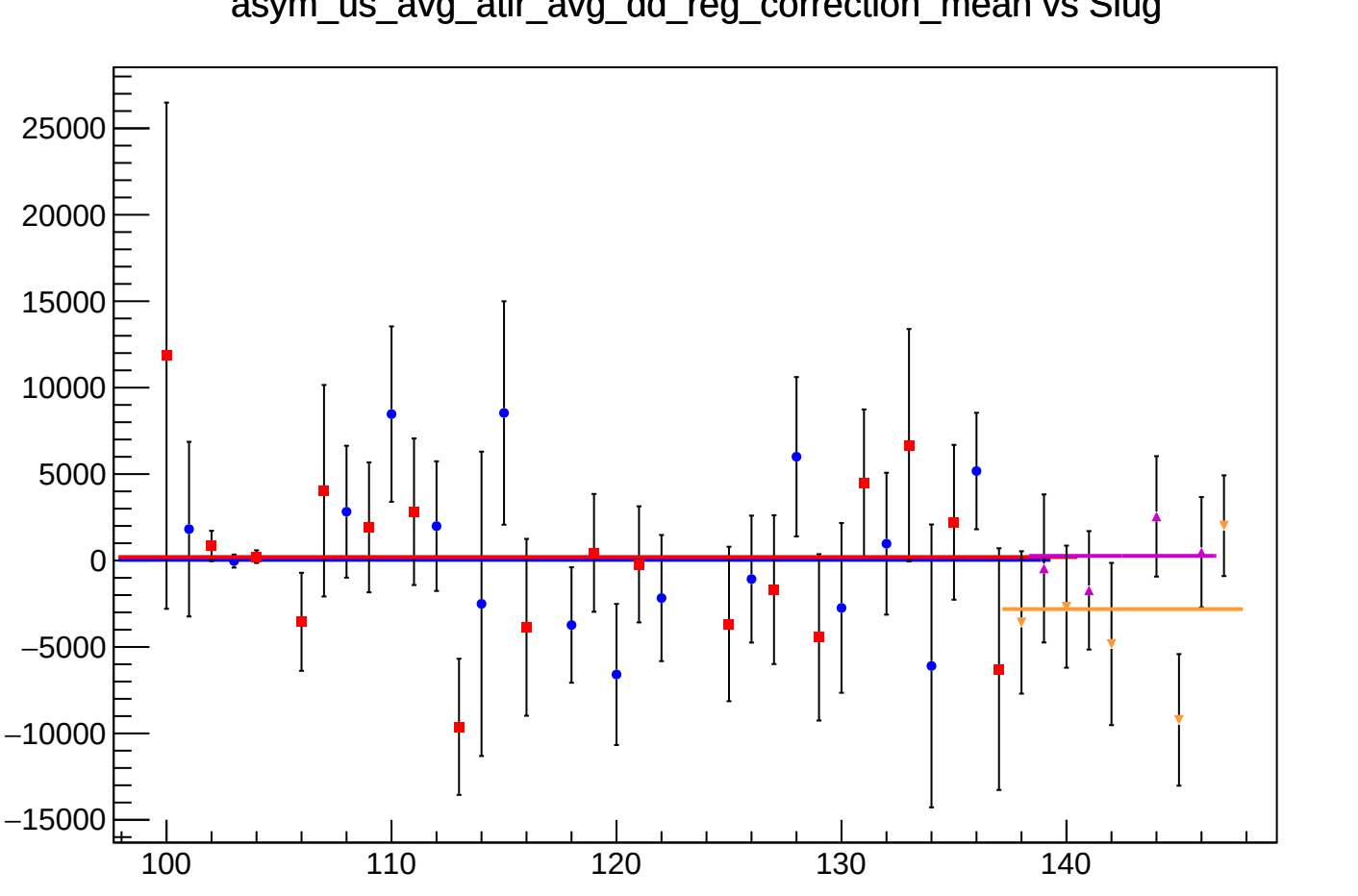
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

+ sign 1141.066+/-0.248 χ^2/NDF: 642218.2/20

All: 1144.123+/-0.176 χ^2/NDF: 876026.2/42

- sign 1147.238+/-0.250 χ^2/NDF: 233500.8/21



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -2810.336+/-1641.218 χ^2/NDF:5.8/4

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

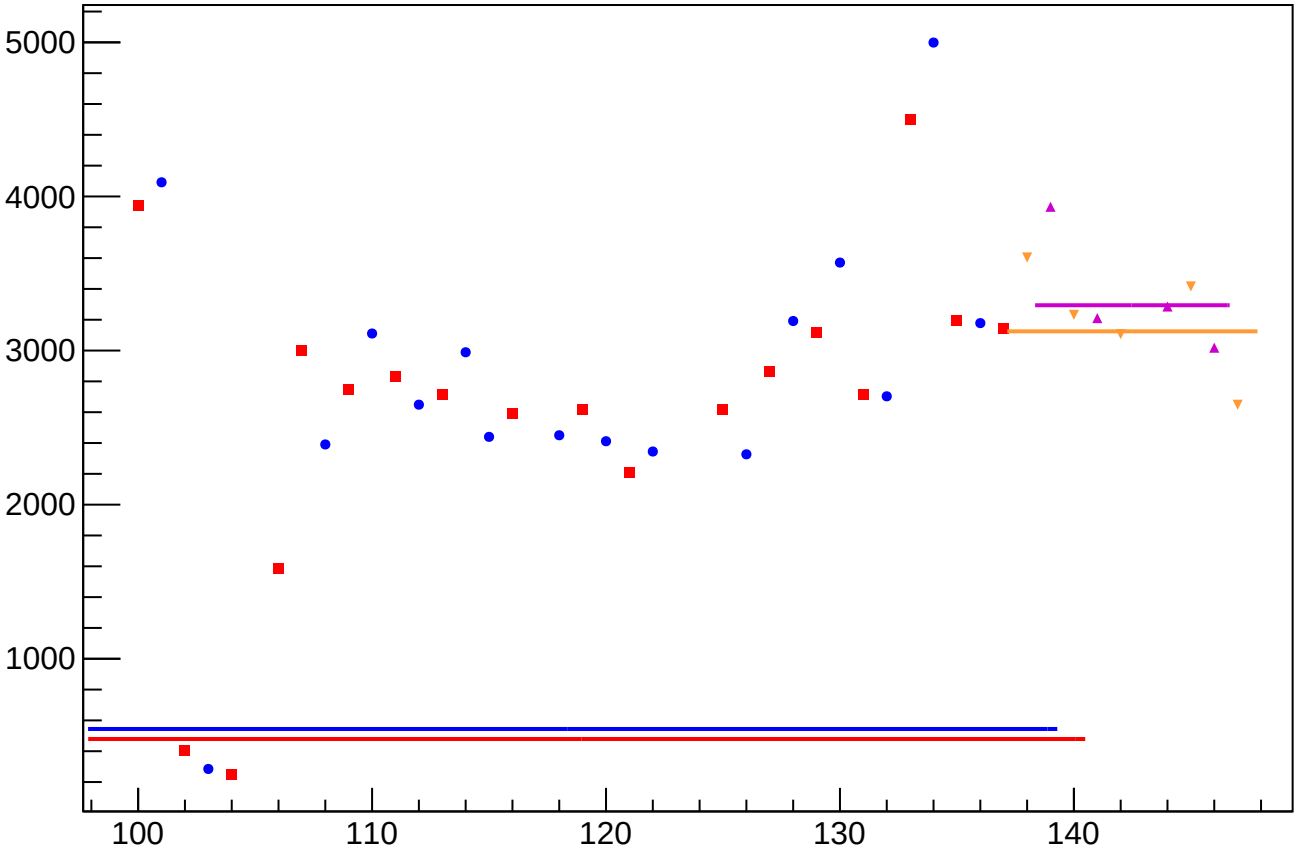
Left In: 267.627+/-1766.754 χ^2/NDF:0.8/3

\+ sign -90.844+/-349.450 χ^2/NDF: 23.5/20

All: 70.636+/-234.911 χ^2/NDF: 40.3/42

\- sign 203.770+/-317.301 χ^2/NDF: 16.4/21

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: 3124.620+/-1.161 χ^2/NDF:94109.9/4

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

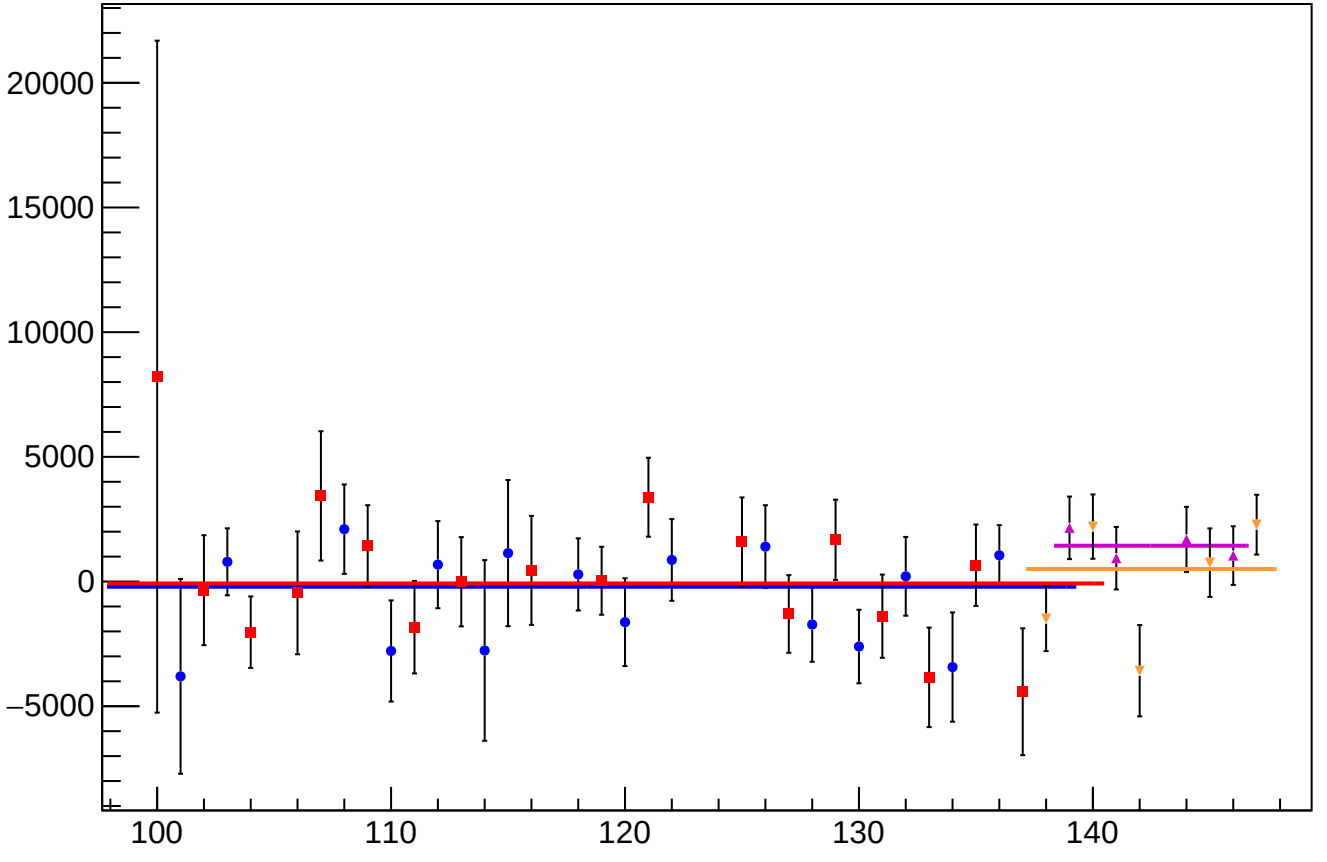
Left In: 3294.106+/-1.249 χ^2/NDF:60626.6/3

+ sign 661.314+/-0.247 χ^2/NDF: 14496441.1/20

All: 611.288+/-0.166 χ^2/NDF: 28732872.9/42

- sign 570.044+/-0.224 χ^2/NDF: 14161652.6/21

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.918+/-607.136 χ^2/NDF:11.3/4

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

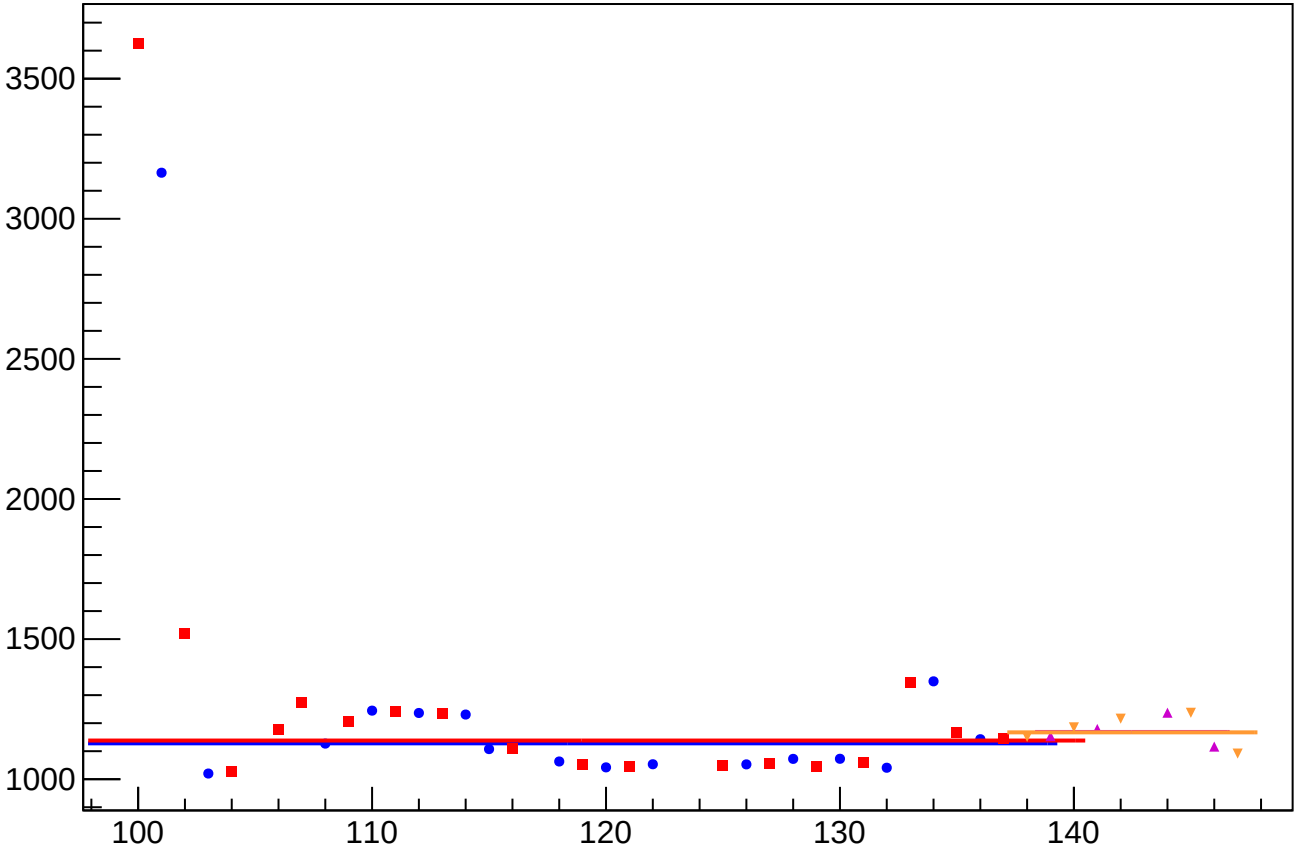
Left In: 1437.199+/-622.168 χ^2/NDF:0.6/3

+ sign 29.118+/-350.445 χ^2/NDF: 26.9/20

All: 219.768+/-249.105 χ^2/NDF: 52.8/42

- sign 414.482+/-354.160 χ^2/NDF: 25.3/21

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

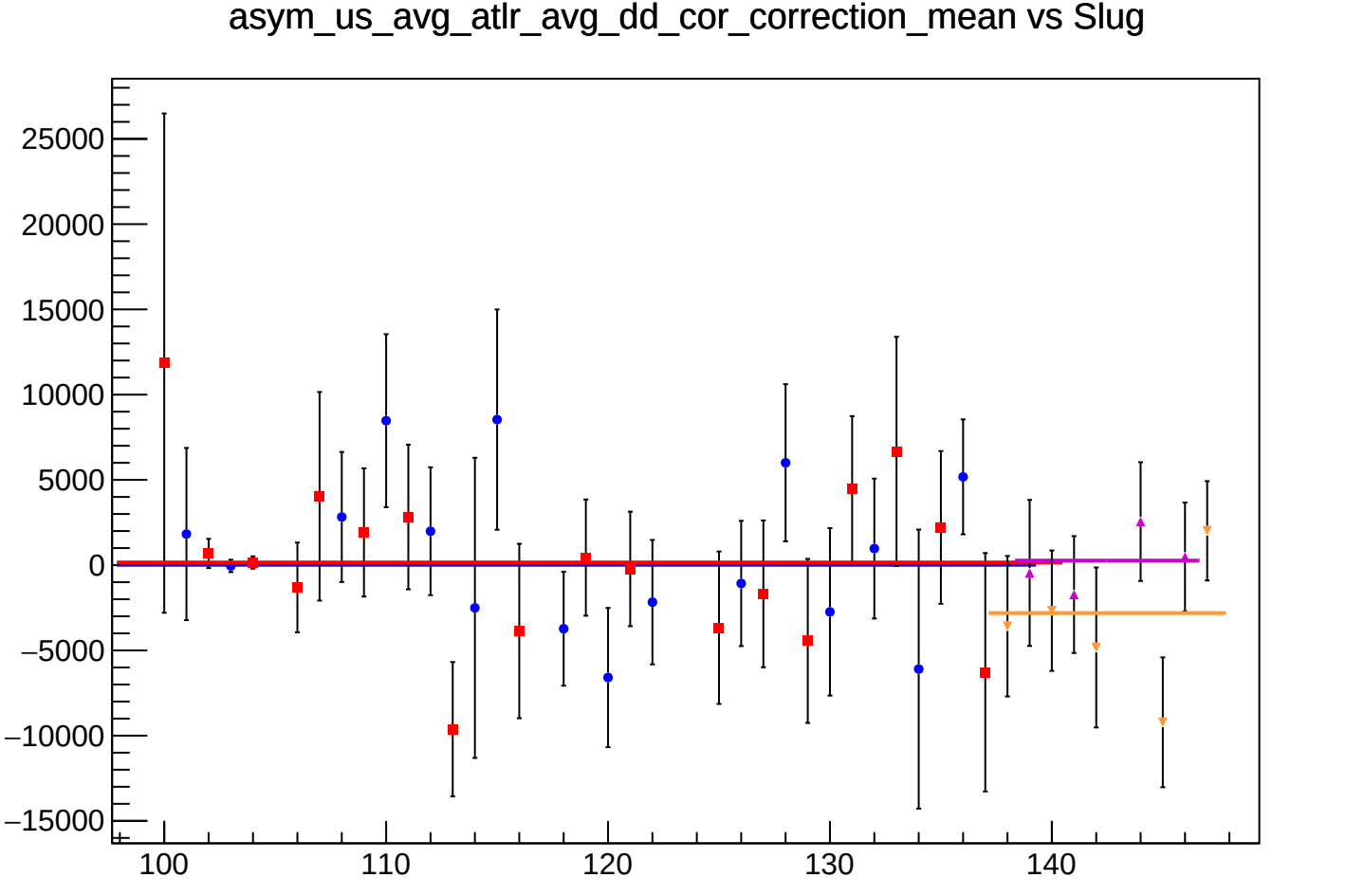
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

+ sign 1141.066+/-0.248 χ^2/NDF: 642219.4/20

All: 1144.450+/-0.176 χ^2/NDF: 876424.4/42

- sign 1147.903+/-0.250 χ^2/NDF: 233828.2/21



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2810.316+/-1641.218 χ^2/NDF:5.8/4

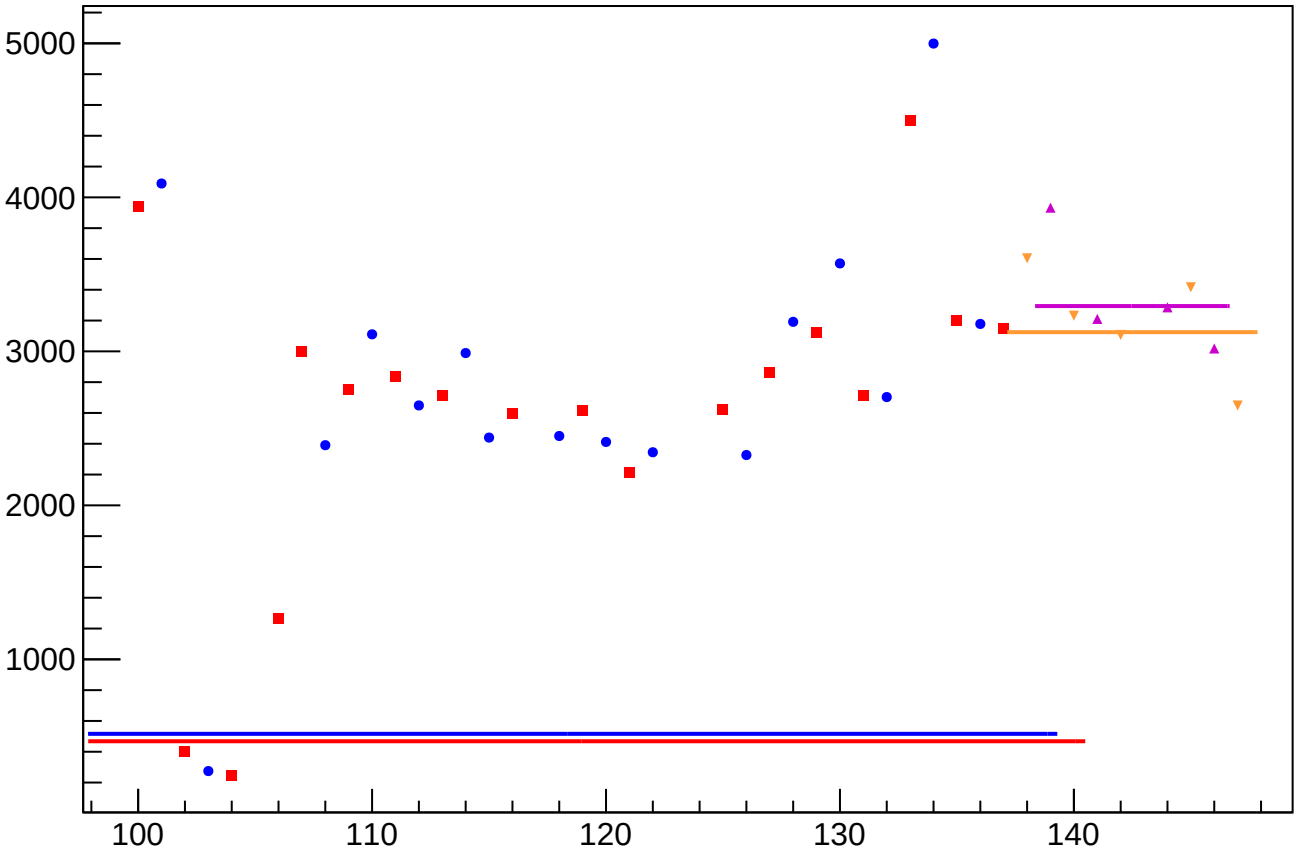
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 267.642+/-1766.754 χ^2/NDF:0.8/3

\+ sign -97.883+/-337.176 χ^2/NDF: 23.5/20

All: 40.740+/-229.146 χ^2/NDF: 38.6/42

\- sign 159.713+/-312.367 χ^2/NDF: 14.8/21



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

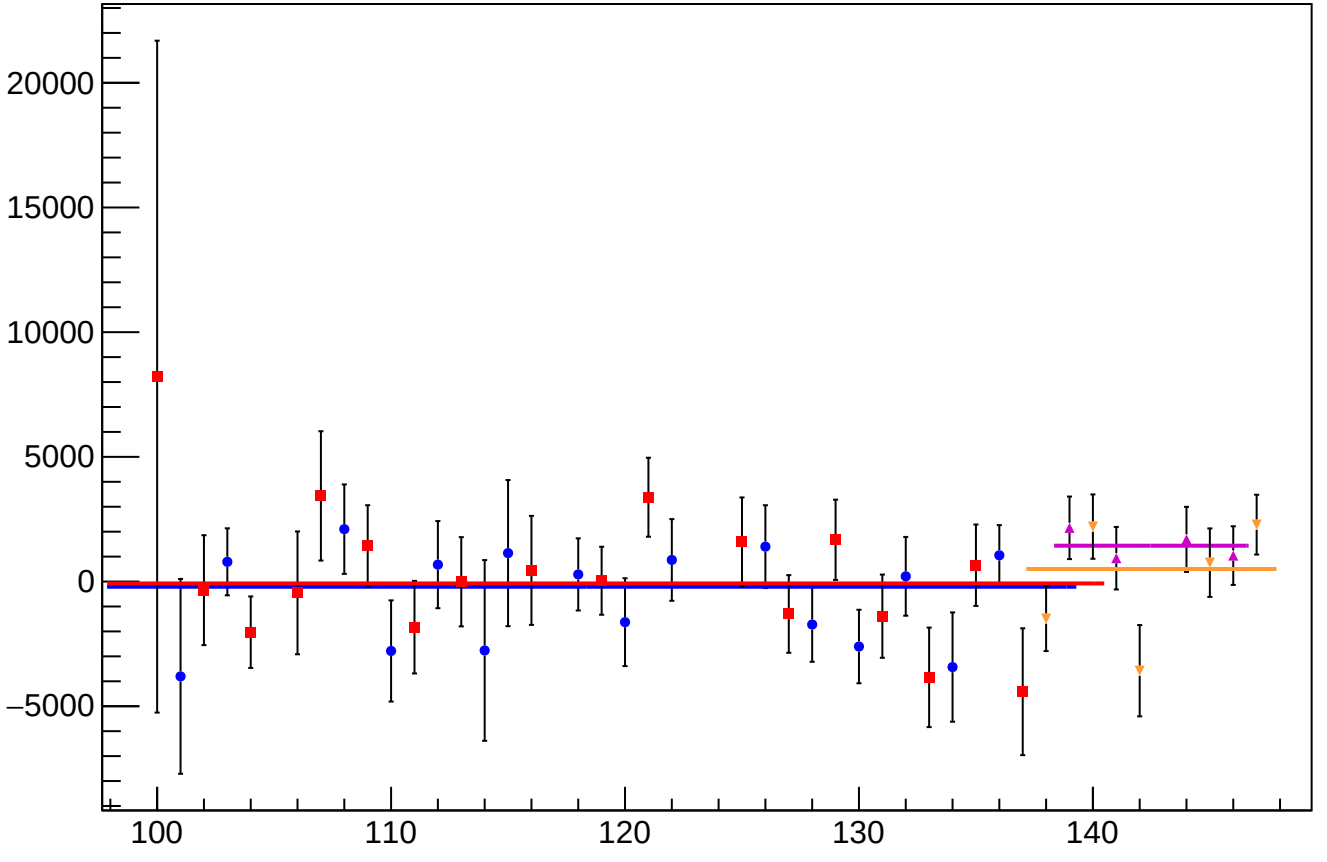
Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

+ sign 626.385+/-0.238 χ^2/NDF: 14767070.6/20

All: 588.724+/-0.162 χ^2/NDF: 28942569.6/42

- sign 556.400+/-0.221 χ^2/NDF: 14129129.9/21

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: 503.918+/-607.136 χ^2/NDF:11.3/4

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

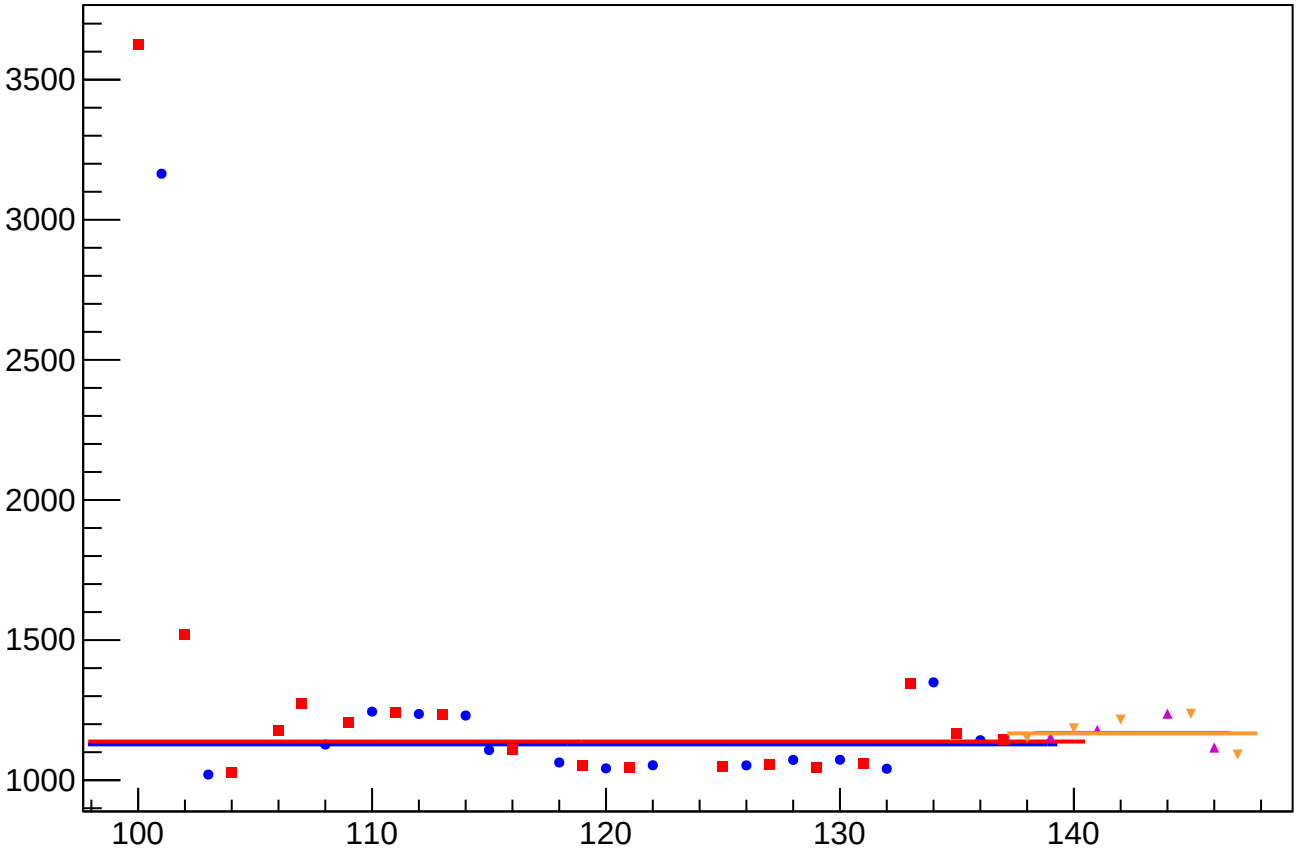
Left In: 1437.199+/-622.168 χ^2/NDF:0.6/3

+ sign 29.118+/-350.445 χ^2/NDF: 26.9/20

All: 219.768+/-249.105 χ^2/NDF: 52.8/42

- sign 414.482+/-354.160 χ^2/NDF: 25.3/21

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: 1167.203+/-0.429 χ^2/NDF:15265.2/4

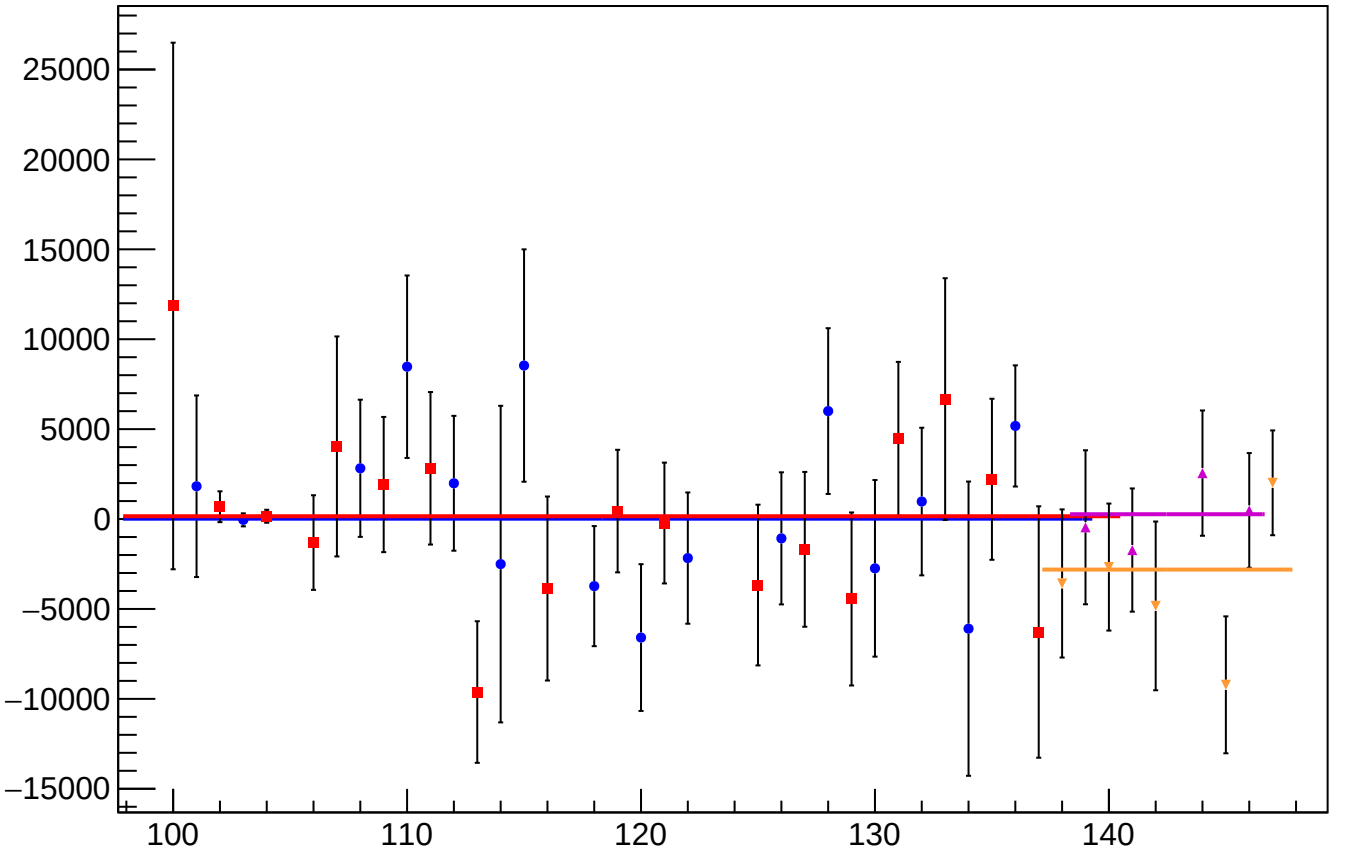
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

\+ sign 1141.066+/-0.248 χ^2/NDF: 642219.4/20

All: 1144.450+/-0.176 χ^2/NDF: 876424.4/42

\- sign 1147.903+/-0.250 χ^2/NDF: 233828.2/21



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2810.316+/-1641.218 χ^2/NDF:5.8/4

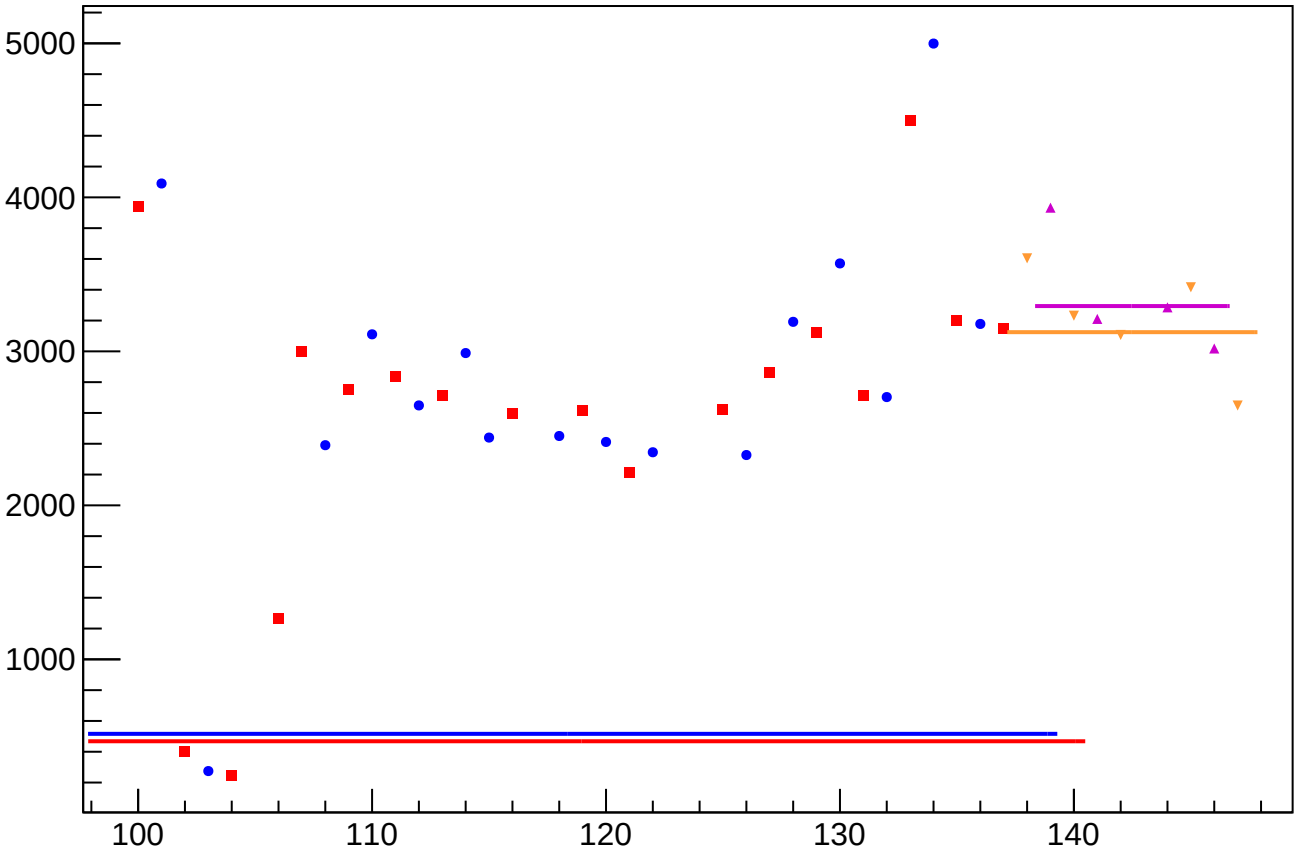
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 267.642+/-1766.754 χ^2/NDF:0.8/3

\+ sign -97.883+/-337.176 χ^2/NDF: 23.5/20

All: 40.740+/-229.146 χ^2/NDF: 38.6/42

\- sign 159.713+/-312.367 χ^2/NDF: 14.8/21



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

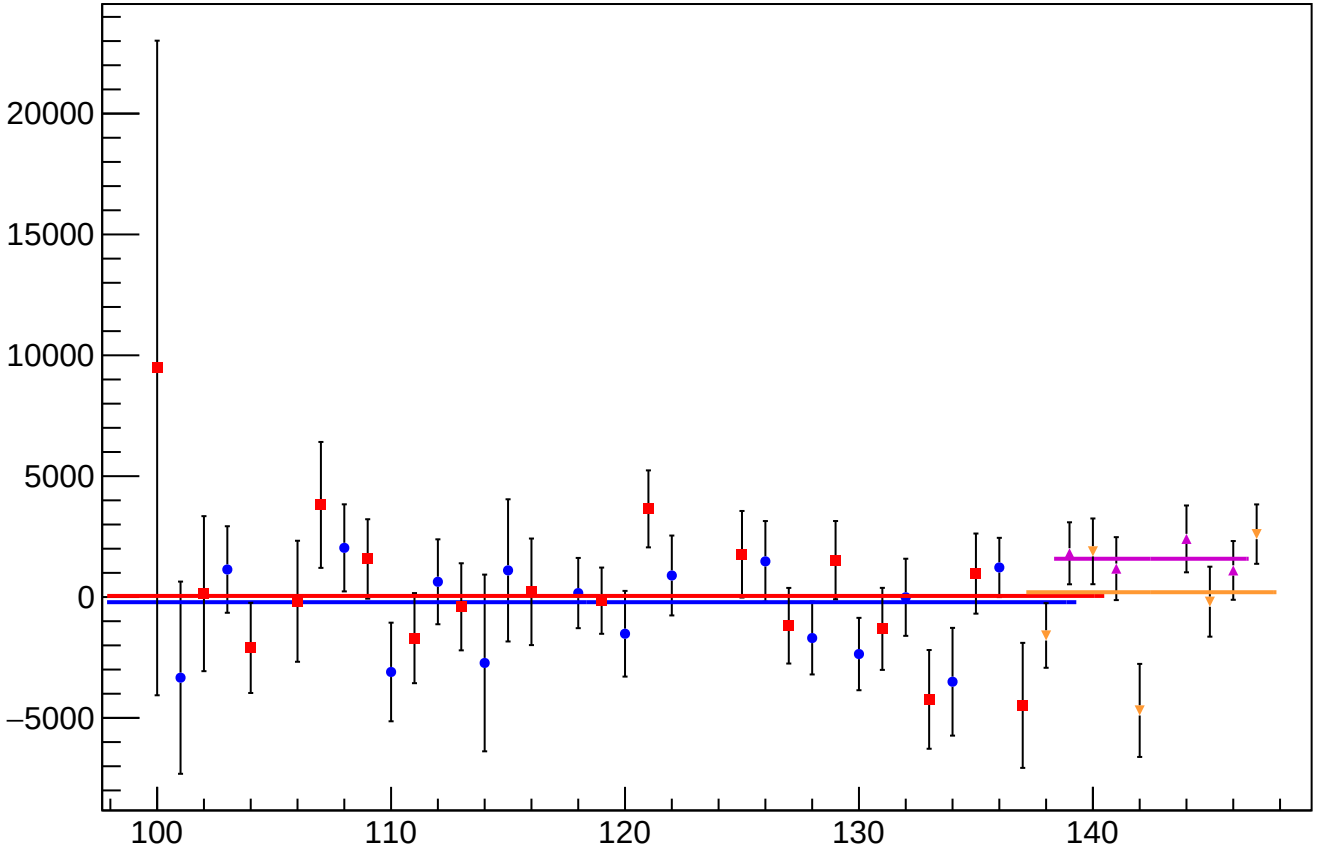
Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

+ sign 626.385+/-0.238 χ^2/NDF: 14767070.6/20

All: 588.724+/-0.162 χ^2/NDF: 28942569.6/42

- sign 556.400+/-0.221 χ^2/NDF: 14129129.9/21

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 199.285+/-631.296 χ^2/NDF:13.7/4

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

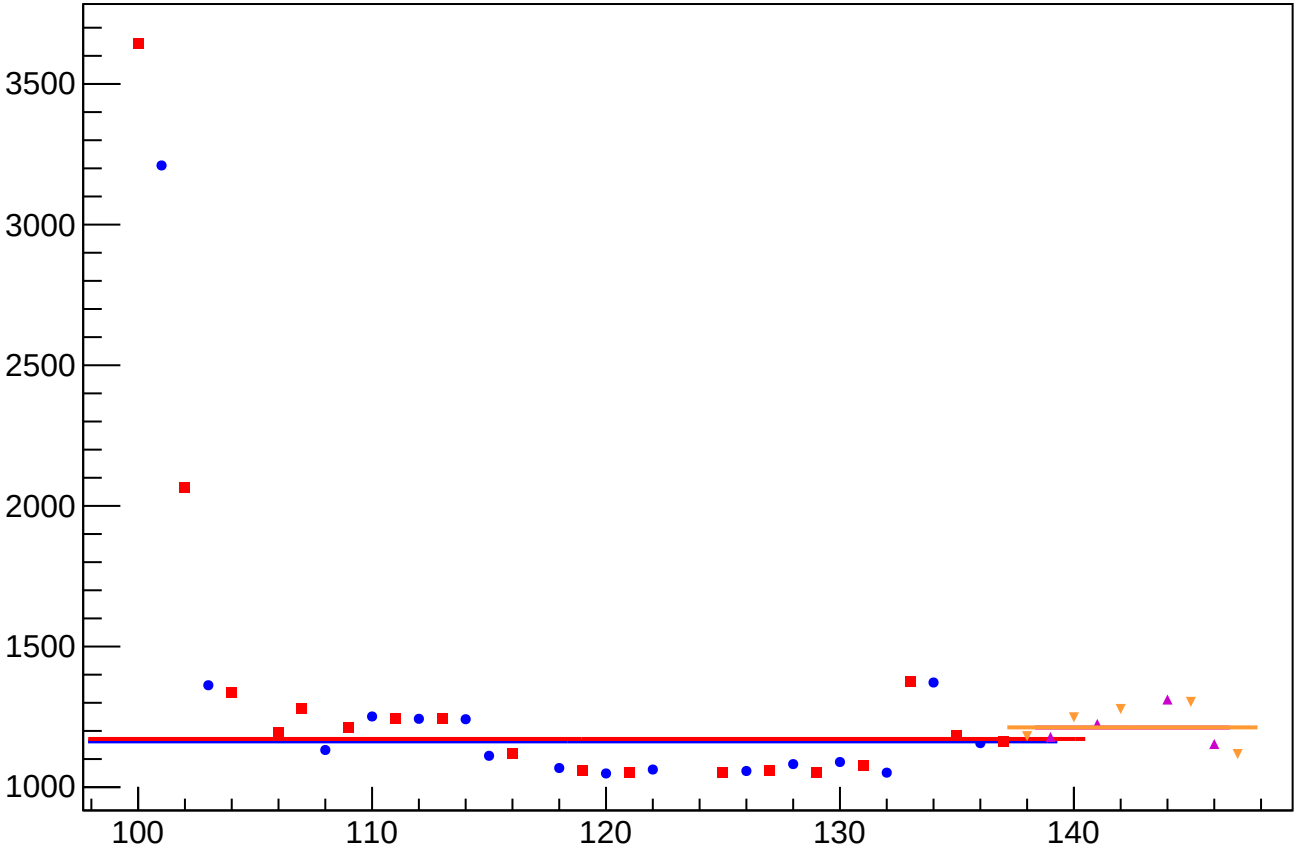
Left In: 1583.488+/-645.726 χ^2/NDF:0.6/3

+ sign -77.150+/-362.451 χ^2/NDF: 28.3/20

All: 229.050+/-258.111 χ^2/NDF: 55.9/42

- sign 544.102+/-367.654 χ^2/NDF: 26.1/21

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1212.589+/-0.446 χ^2/NDF:24506.5/4

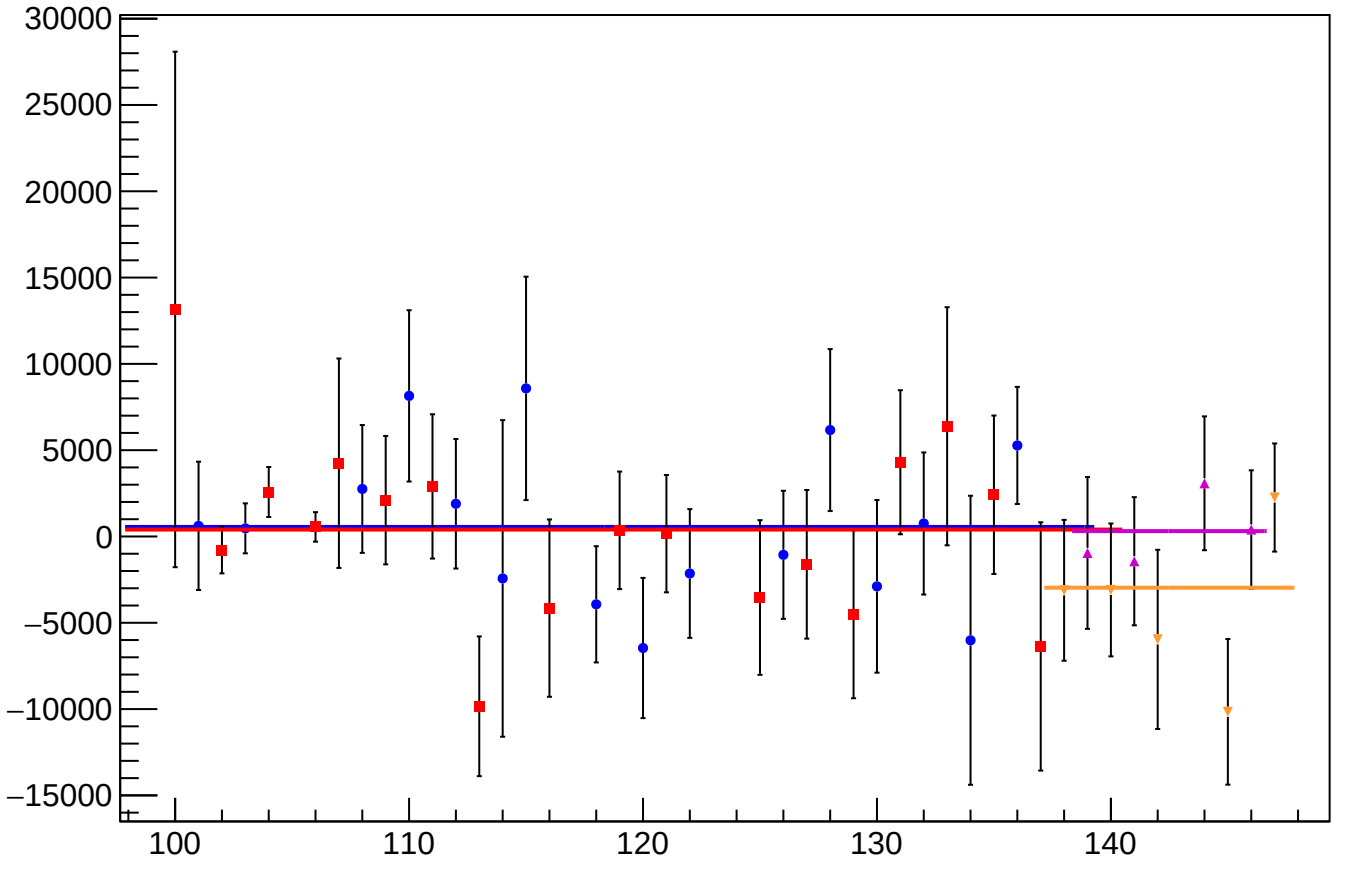
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1212.000+/-0.457 χ^2/NDF:16575.0/3

+ sign 1179.247+/-0.256 χ^2/NDF: 668182.3/20

All: 1181.870+/-0.182 χ^2/NDF: 1021950.2/42

- sign 1184.567+/-0.260 χ^2/NDF: 353555.4/21



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -2968.725+/-1760.404 χ^2/NDF:6.0/4

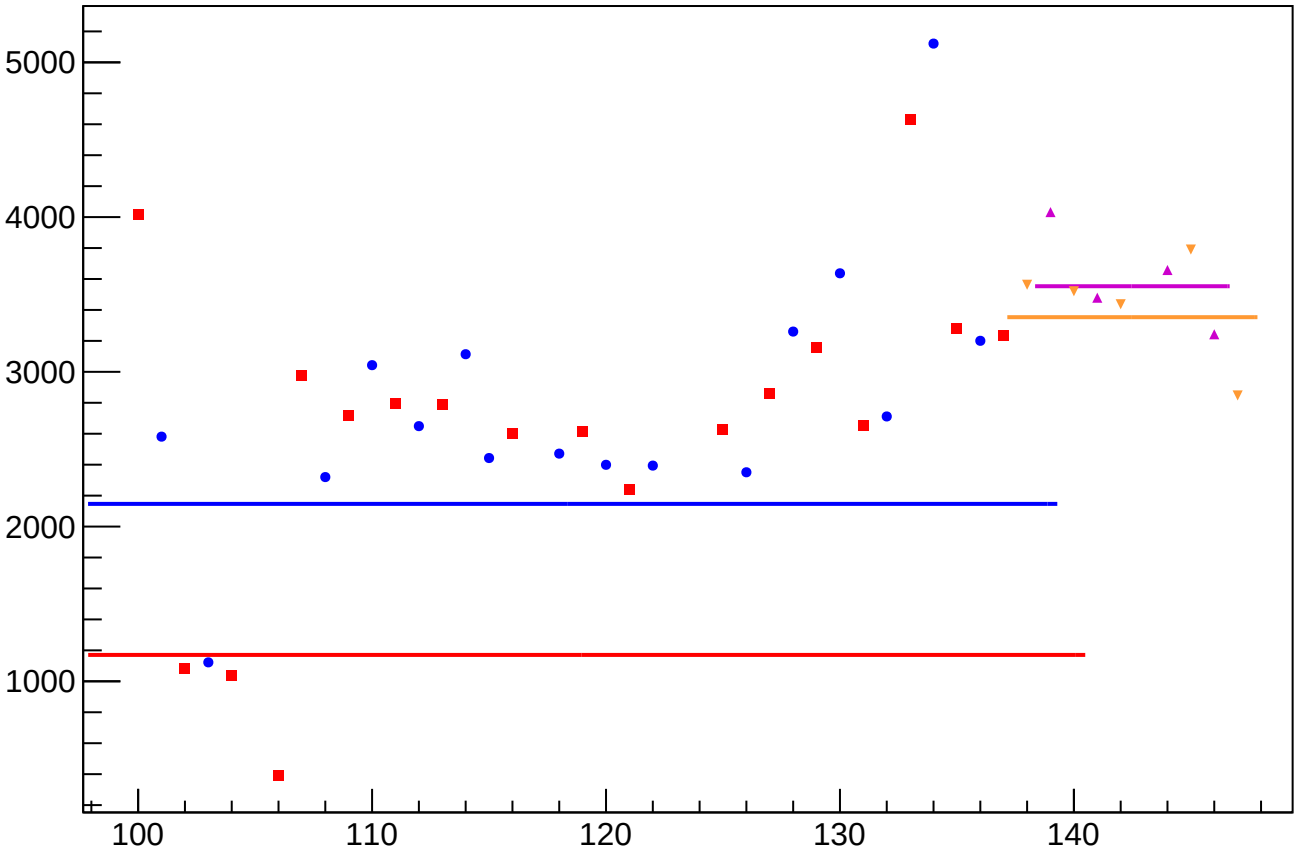
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 310.898+/-1904.248 χ^2/NDF:0.8/3

+ sign -143.961+/-782.921 χ^2/NDF: 23.6/20

All: 218.962+/-445.872 χ^2/NDF: 41.4/42

- sign 393.167+/-542.428 χ^2/NDF: 17.5/21



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3353.178+/-1.245 χ^2/NDF:83149.9/4

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

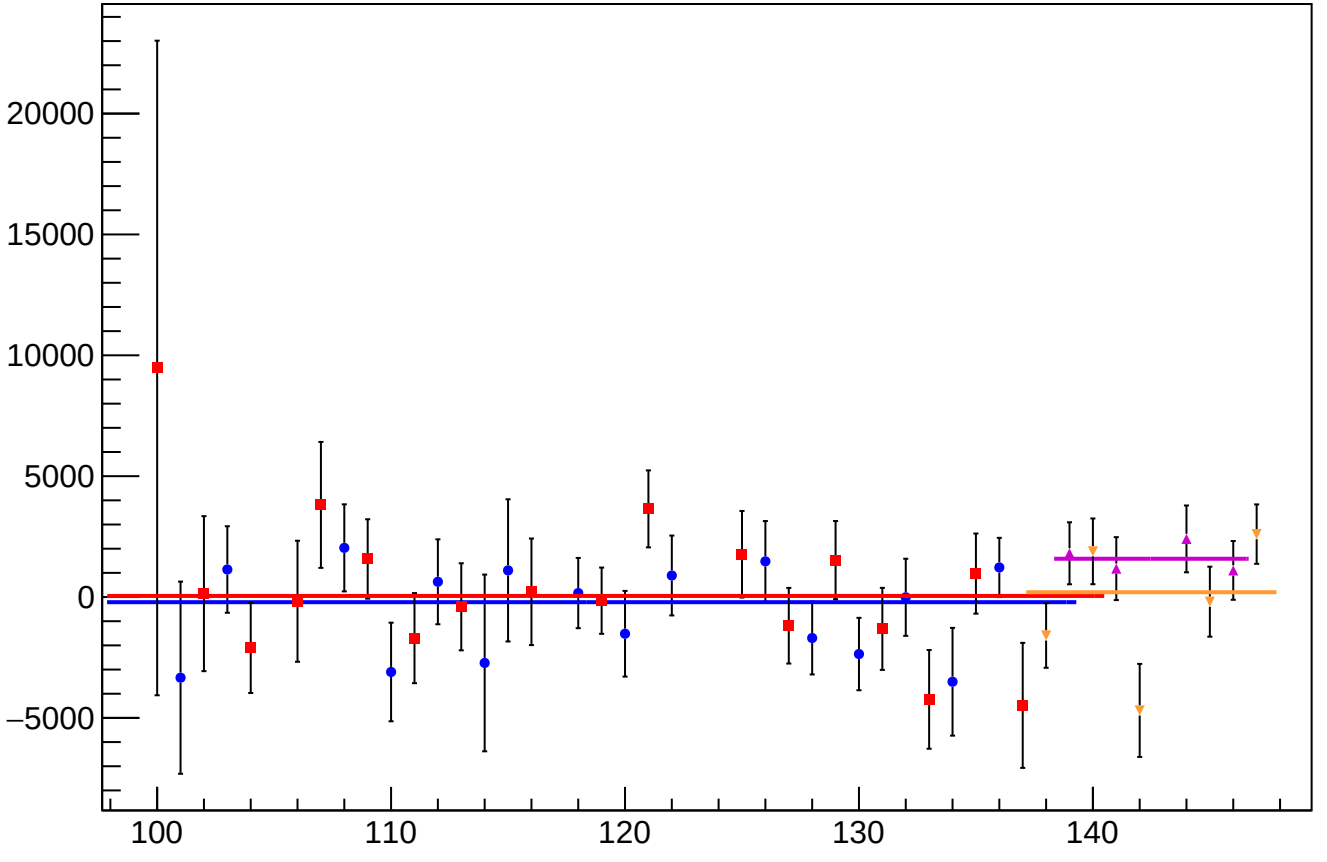
Left In: 3553.216+/-1.347 χ^2/NDF:42387.9/3

+ sign 2385.266+/-0.554 χ^2/NDF: 2811559.9/20

All: 1695.158+/-0.315 χ^2/NDF: 13848298.4/4

- sign 1363.902+/-0.384 χ^2/NDF: 8736932.6/21

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: 199.275+/-631.297 χ^2/NDF:13.7/4

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

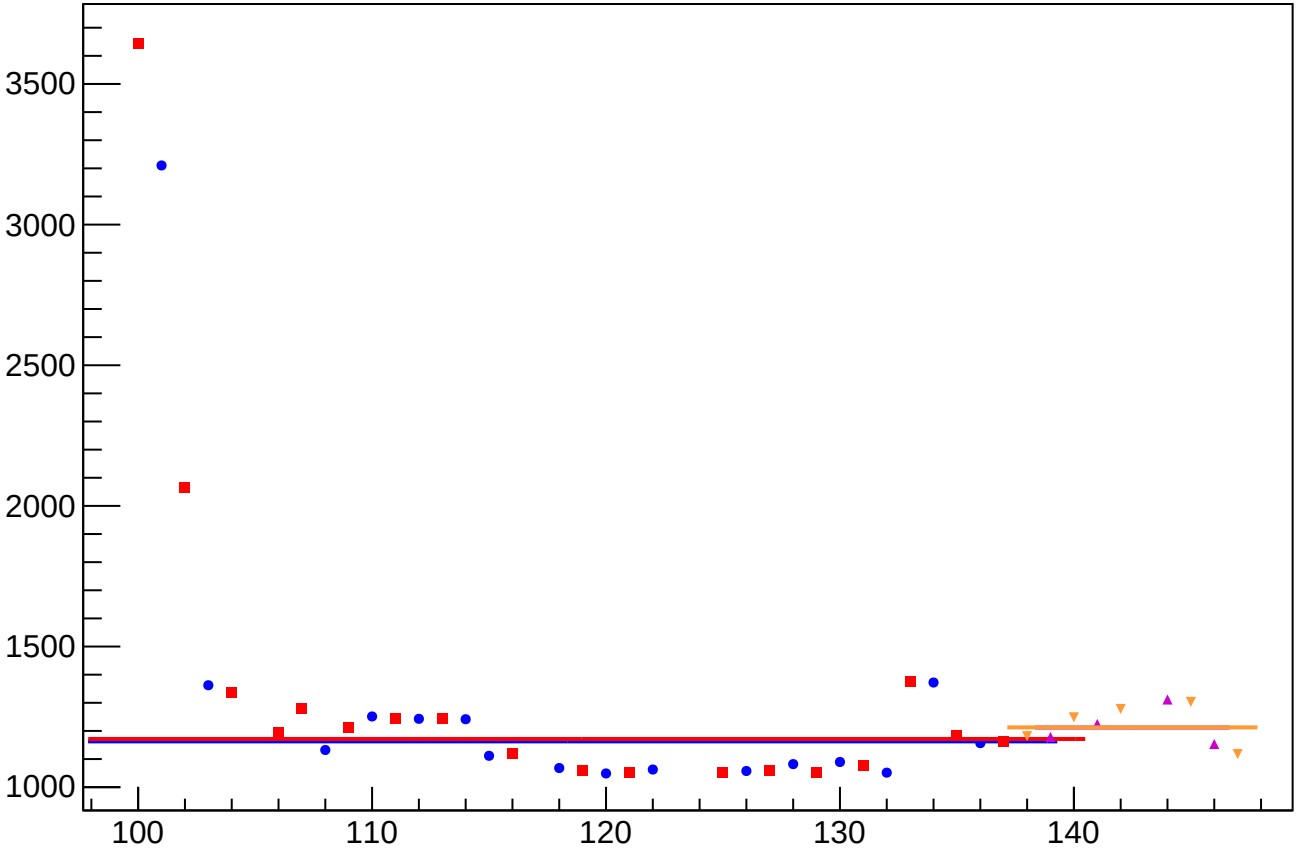
Left In: 1583.485+/-645.727 χ^2/NDF:0.6/3

+ sign -77.155+/-362.451 χ^2/NDF: 28.3/20

All: 229.048+/-258.111 χ^2/NDF: 55.9/42

- sign 544.103+/-367.654 χ^2/NDF: 26.1/21

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: 1212.590+/-0.446 χ^2/NDF:24506.9/4

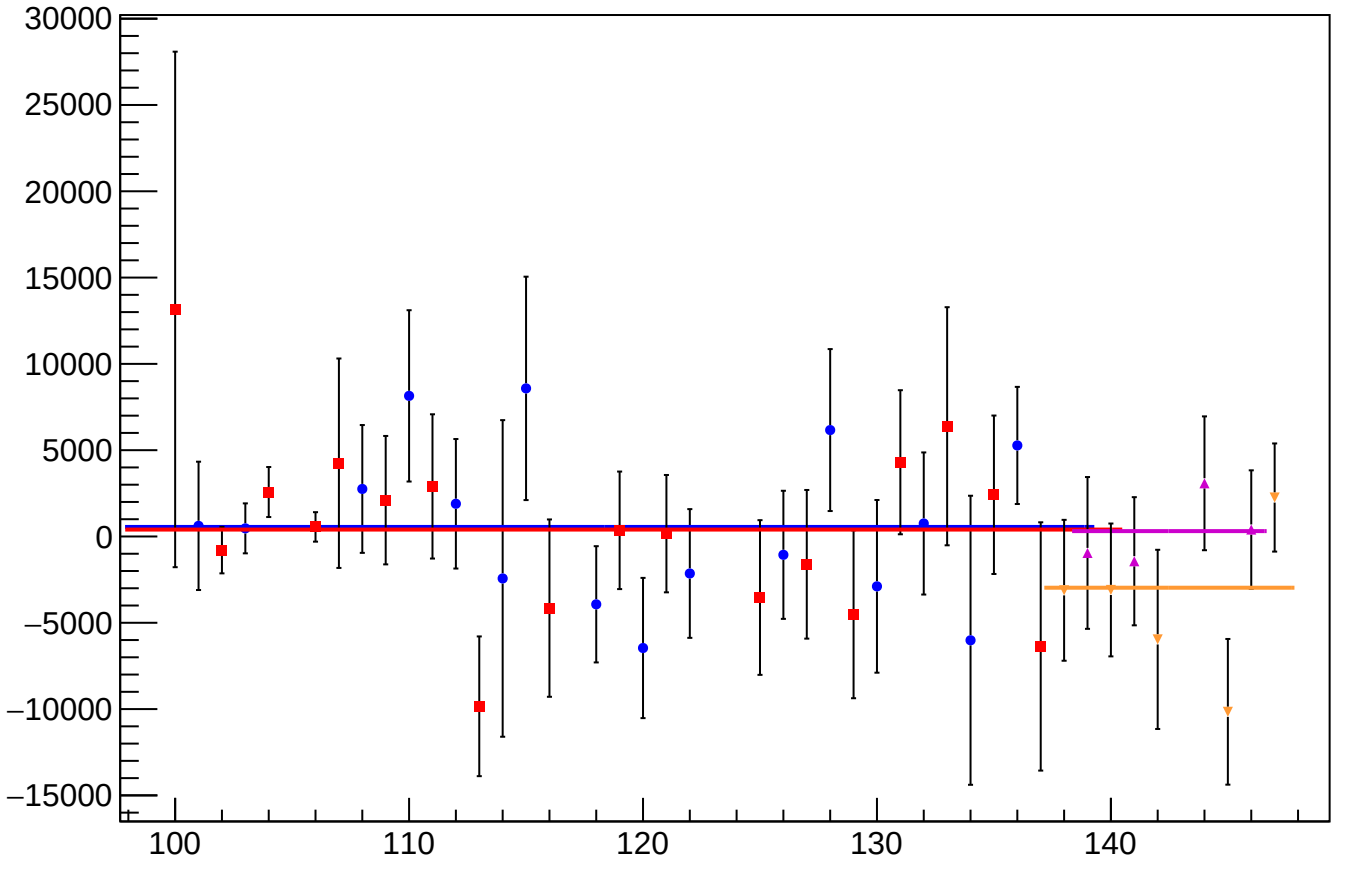
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1212.001+/-0.457 χ^2/NDF:16575.0/3

+ sign 1179.247+/-0.256 χ^2/NDF: 668183.1/20

All: 1181.870+/-0.182 χ^2/NDF: 1021950.9/42

- sign 1184.567+/-0.260 χ^2/NDF: 353555.4/21



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -2968.731+/-1760.407 χ^2/NDF:6.0/4

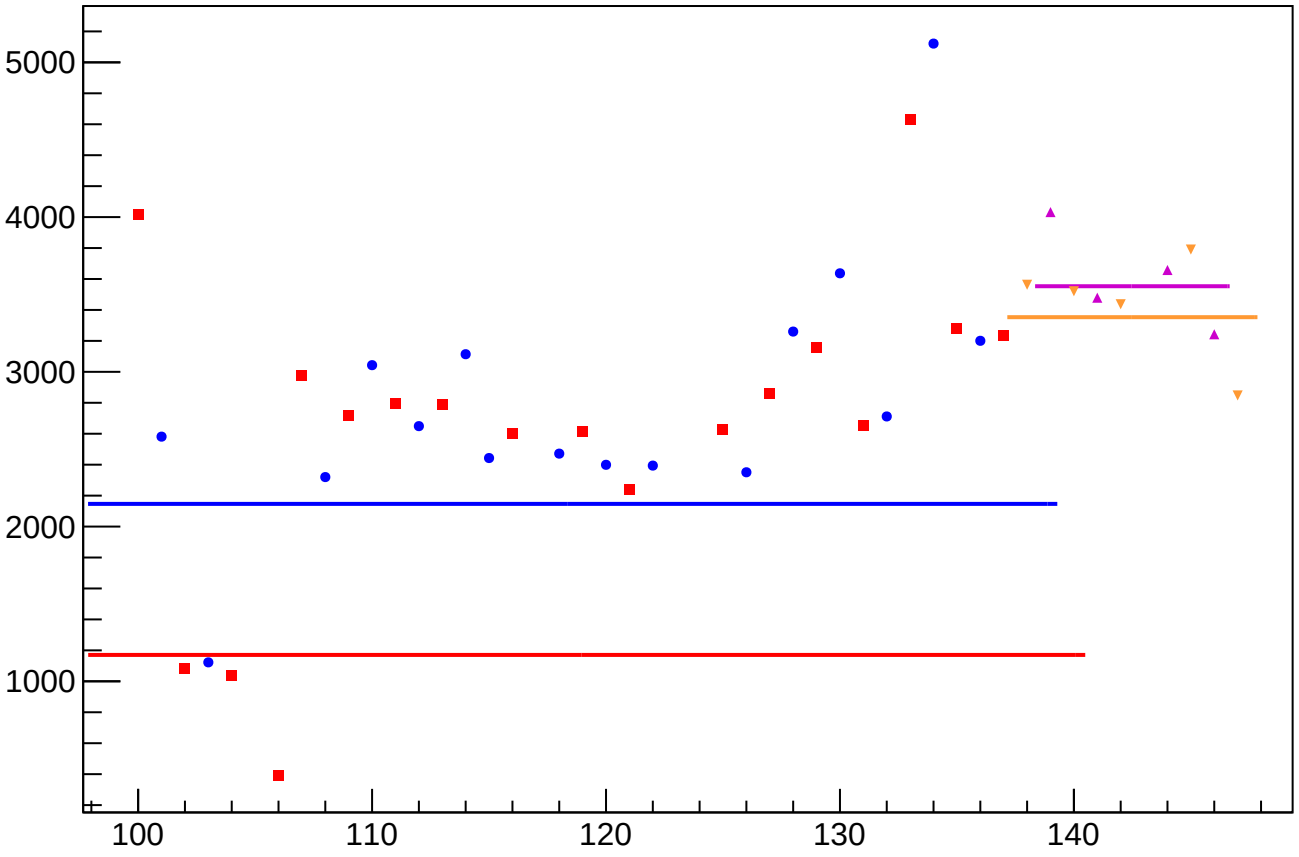
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 310.894+/-1904.251 χ^2/NDF:0.8/3

+ sign -143.964+/-782.921 χ^2/NDF: 23.6/20

All: 218.964+/-445.868 χ^2/NDF: 41.4/42

- sign 393.168+/-542.422 χ^2/NDF: 17.5/21



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3353.182+/-1.245 χ^2/NDF:83150.8/4

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

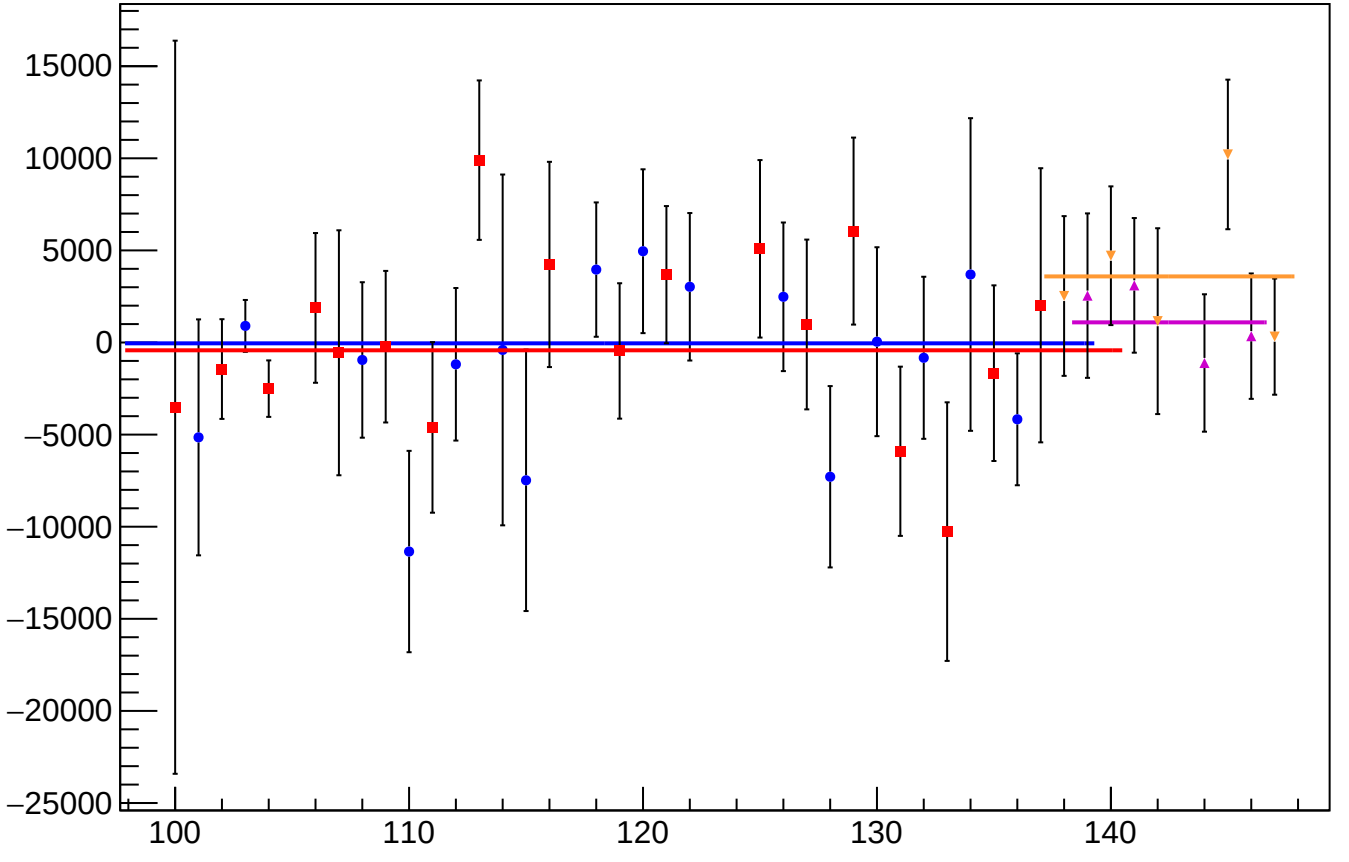
Left In: 3553.221+/-1.347 χ^2/NDF:42388.3/3

+ sign 2385.263+/-0.554 χ^2/NDF: 2811564.6/20

All: 1695.136+/-0.315 χ^2/NDF: 13848618.5/4

- sign 1363.876+/-0.384 χ^2/NDF: 8737125.6/21

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3587.878+/-1756.068 χ^2/NDF:4.1/4

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

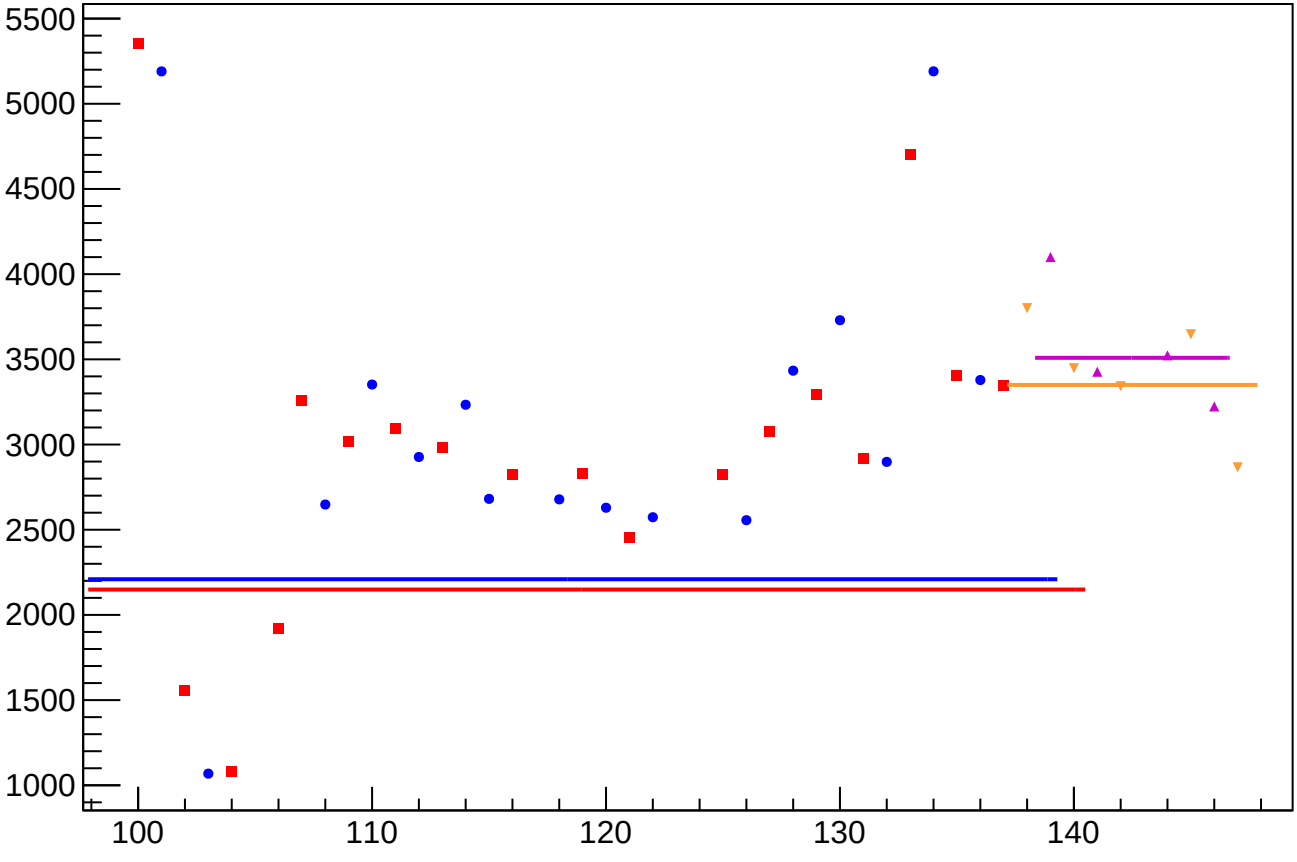
Left In: 1093.637+/-1879.023 χ^2/NDF:0.8/3

+ sign 738.456+/-815.447 χ^2/NDF: 21.2/20

All: 294.873+/-574.422 χ^2/NDF: 40.5/42

- sign -142.046+/-809.299 χ^2/NDF: 18.7/21

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3349.682+/-1.242 χ^2/NDF:80767.3/4

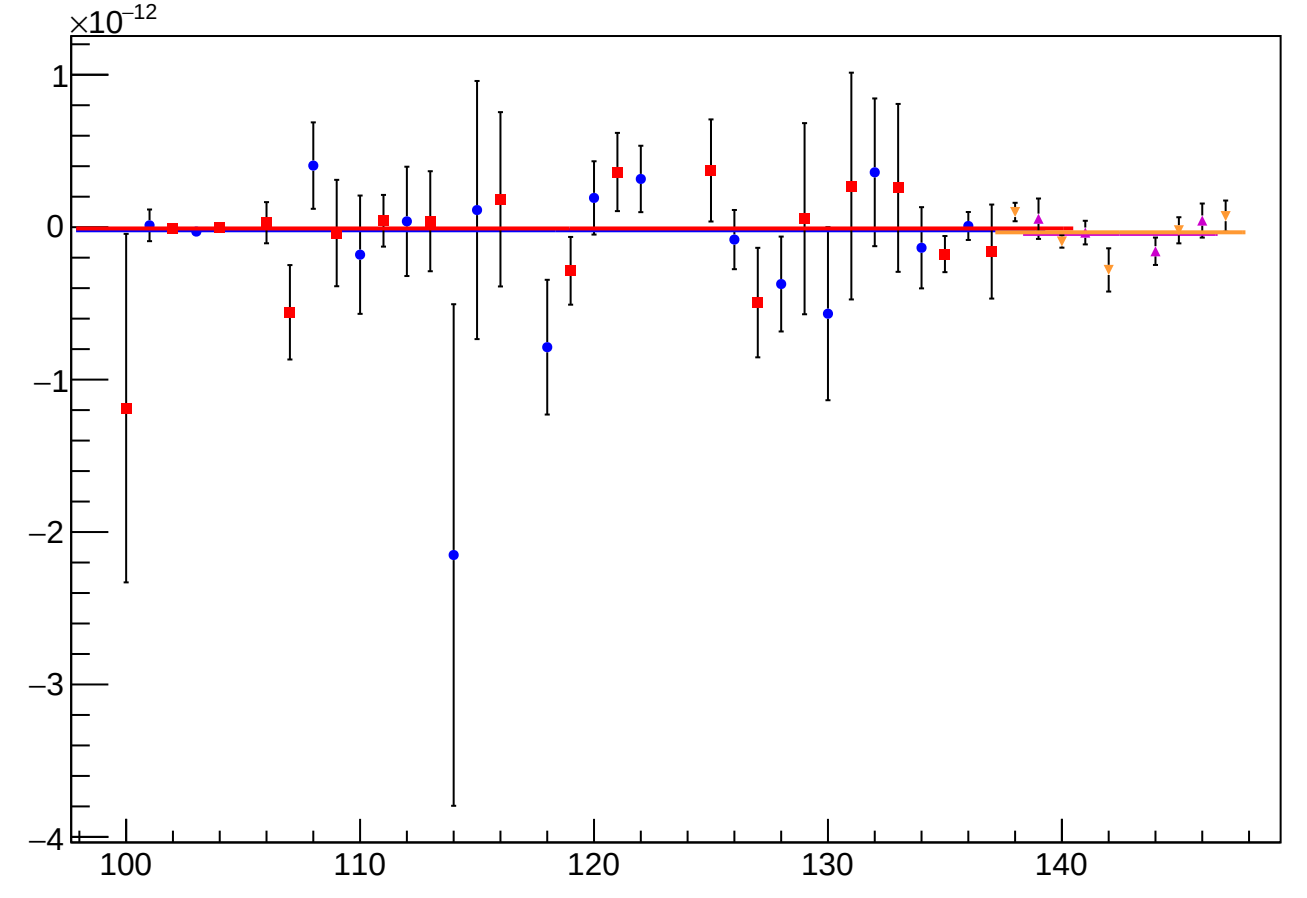
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3508.983+/-1.329 χ^2/NDF:50197.1/3

+ sign 2455.238+/-0.577 χ^2/NDF: 3579146.0/20

All: 2427.486+/-0.406 χ^2/NDF: 6757754.1/42

- sign 2400.257+/-0.571 χ^2/NDF: 3174018.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/4

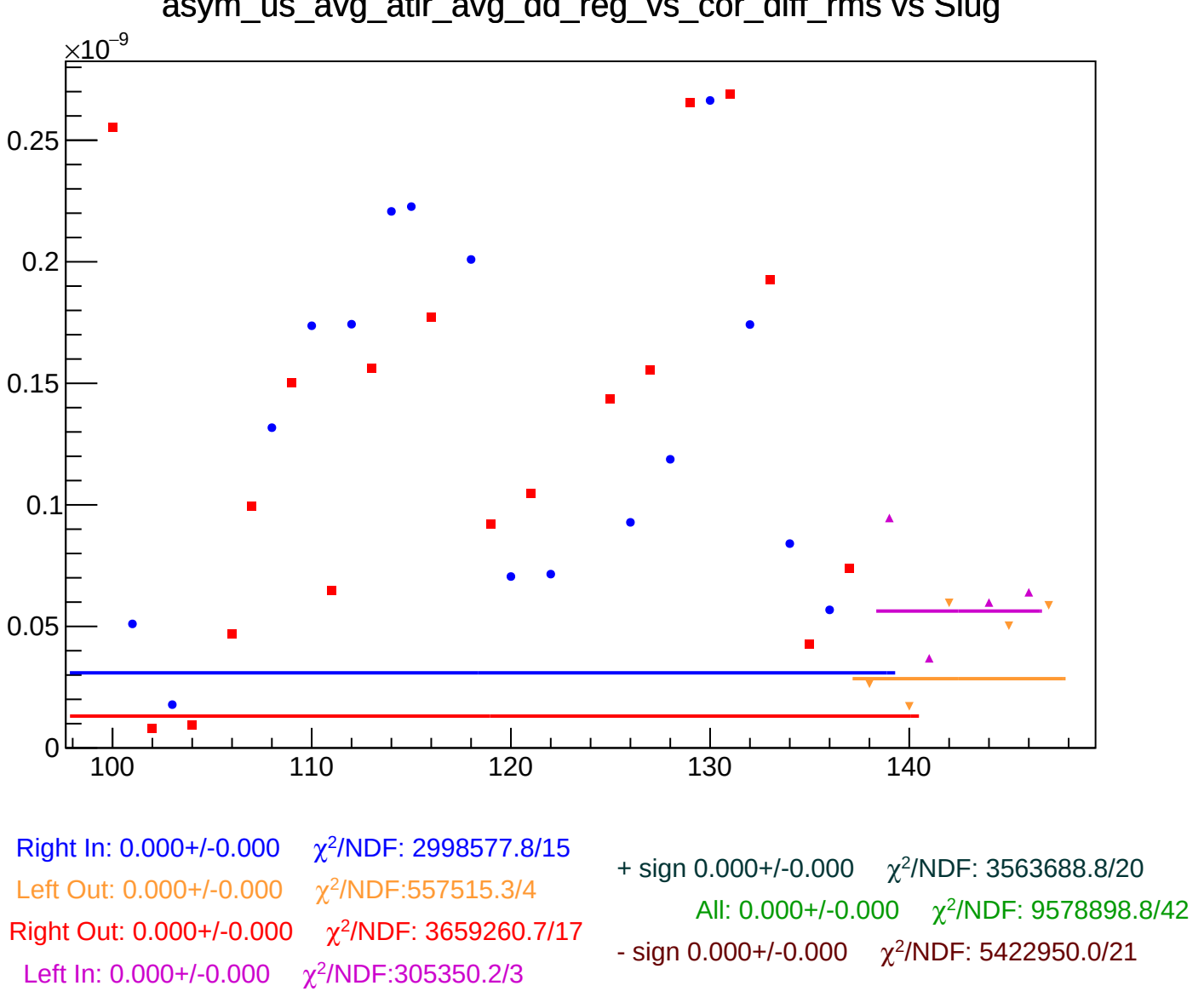
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

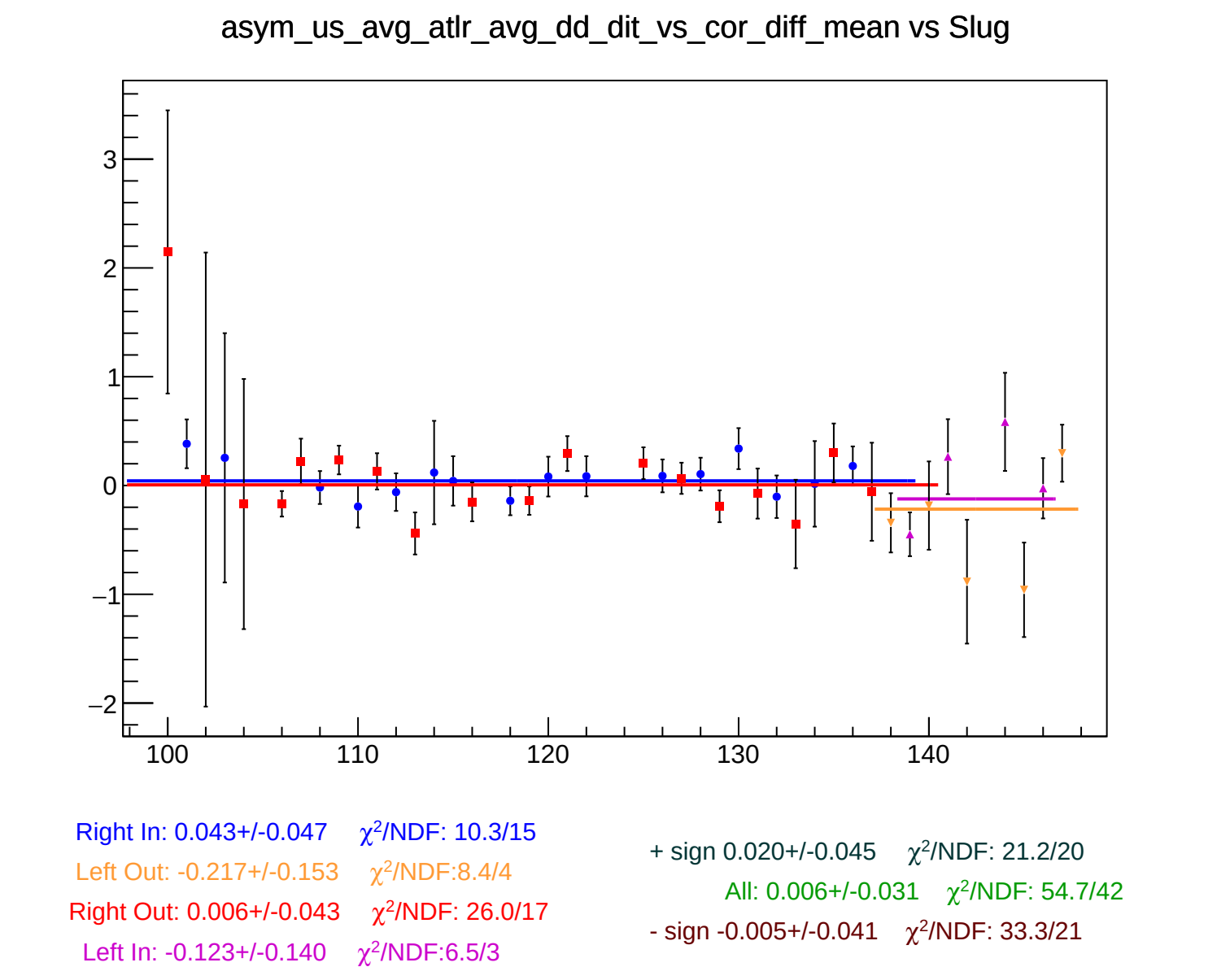
Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

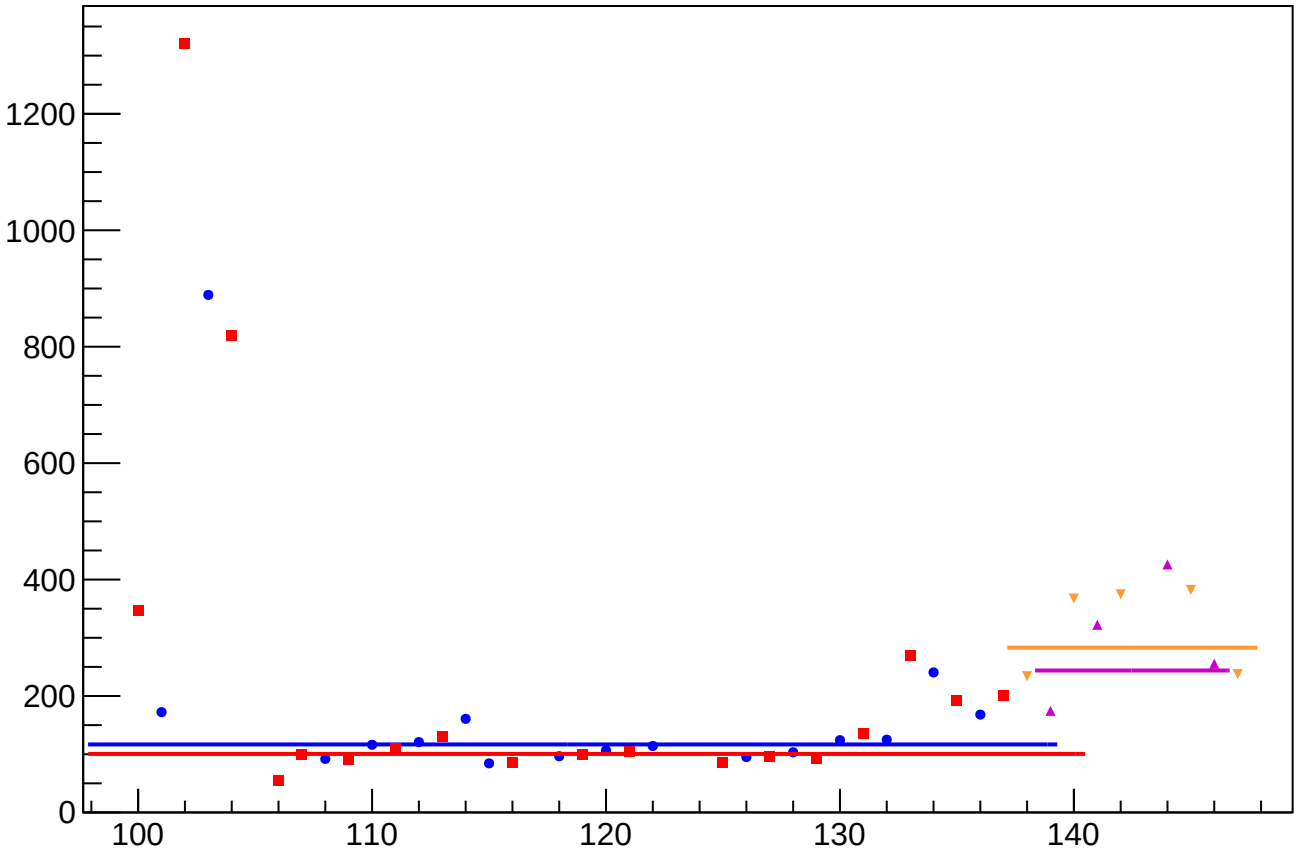
+ sign -0.000+/-0.000 χ^2/NDF: 25.0/20

All: -0.000+/-0.000 χ^2/NDF: 42.6/42

- sign -0.000+/-0.000 χ^2/NDF: 17.3/21


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:557515.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:305350.2/3
+ sign 0.000+/-0.000 χ²/NDF: 3563688.8/20
All: 0.000+/-0.000 χ²/NDF: 9578898.8/42
- sign 0.000+/-0.000 χ²/NDF: 5422950.0/21


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.217+/-0.153 χ²/NDF:8.4/4
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.140 χ²/NDF:6.5/3
+ sign 0.020+/-0.045 χ²/NDF: 21.2/20
All: 0.006+/-0.031 χ²/NDF: 54.7/42
- sign -0.005+/-0.041 χ²/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 283.039+/-0.108 χ^2/NDF:367400.1/4

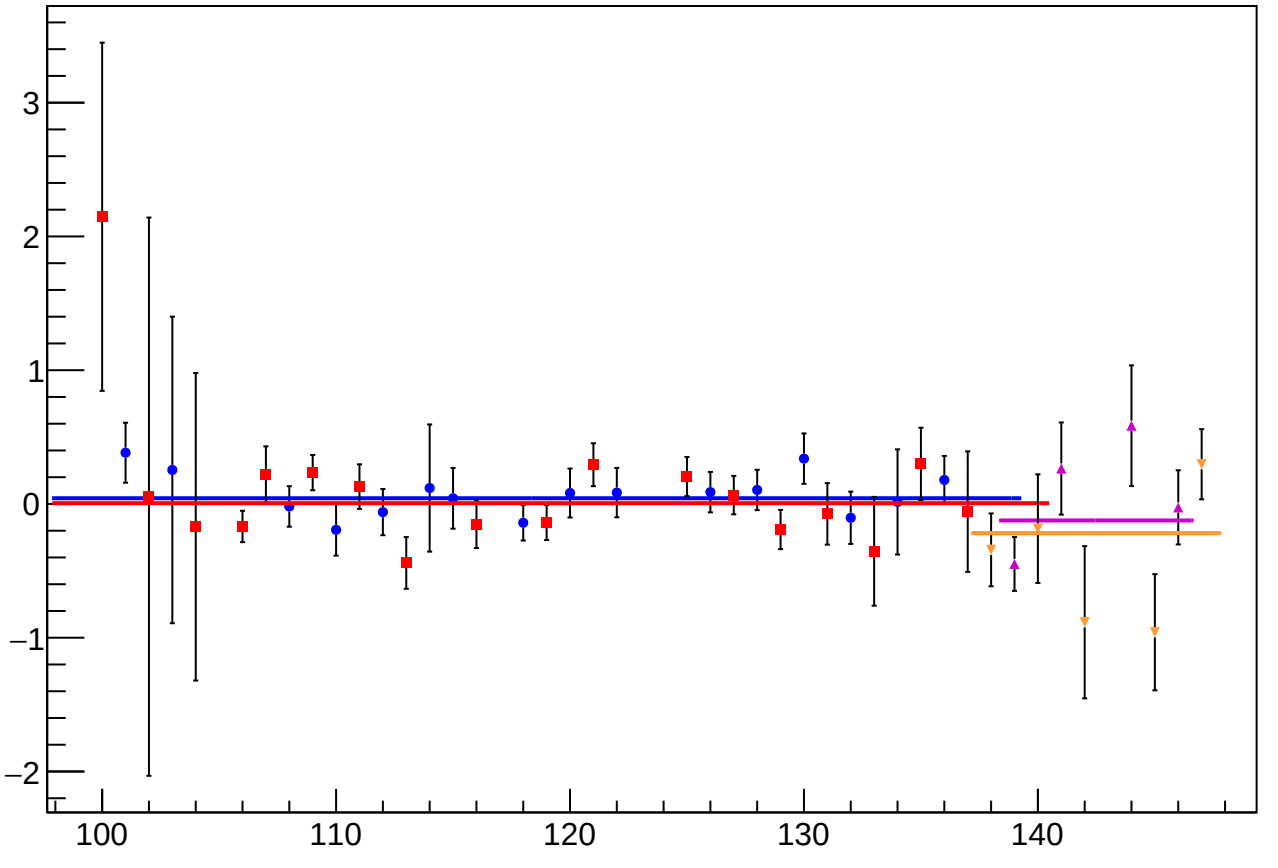
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

+ sign 131.364+/-0.032 χ^2/NDF: 4130801.0/20

All: 121.410+/-0.022 χ^2/NDF: 9554064.2/42

- sign 113.098+/-0.029 χ^2/NDF: 5246407.7/21



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

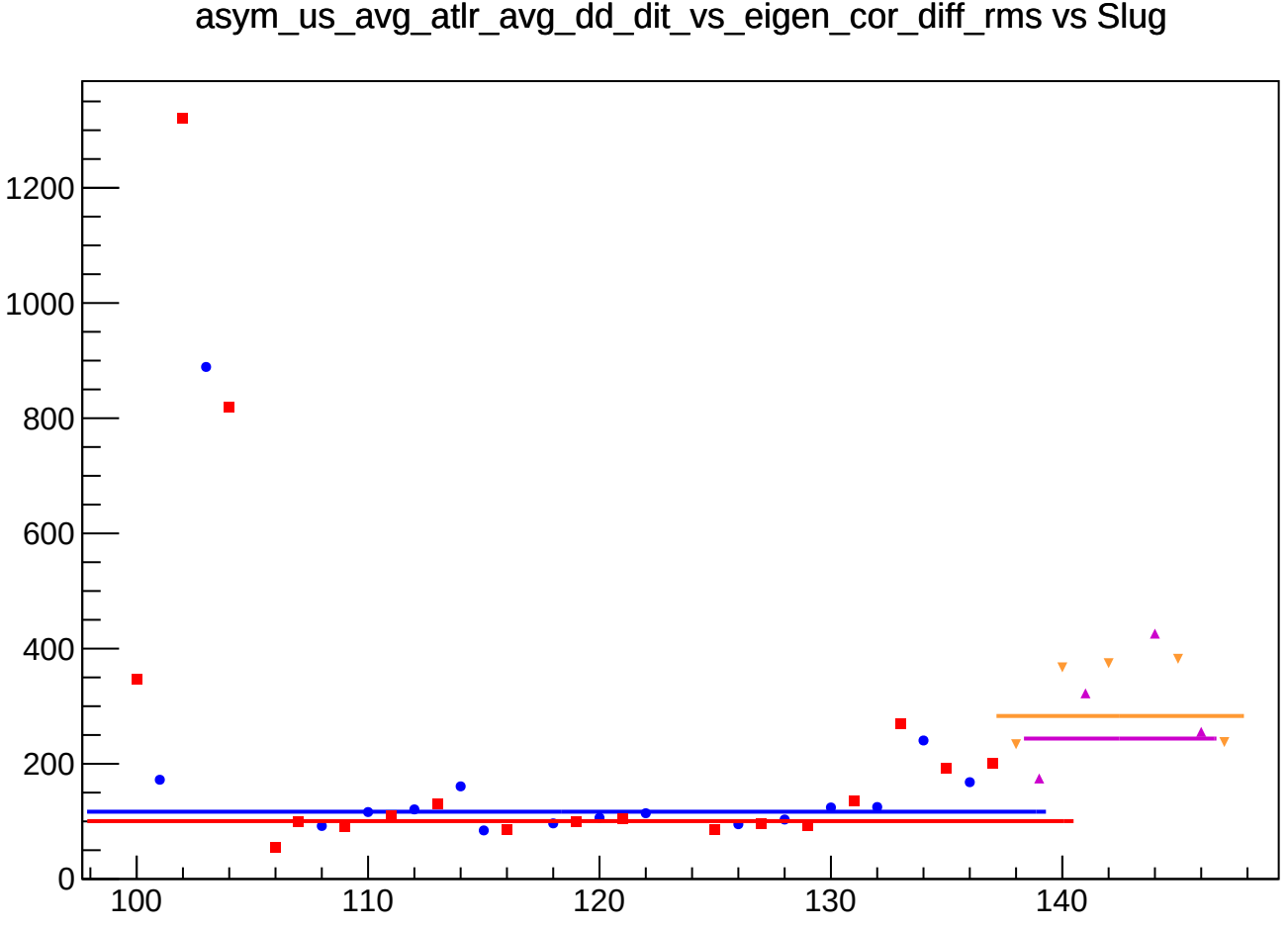
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.140 χ^2/NDF:6.5/3

+ sign 0.020+/-0.045 χ^2/NDF: 21.2/20

All: 0.006+/-0.031 χ^2/NDF: 54.7/42

- sign -0.005+/-0.041 χ^2/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 283.039+/-0.108 χ^2/NDF:367400.1/4

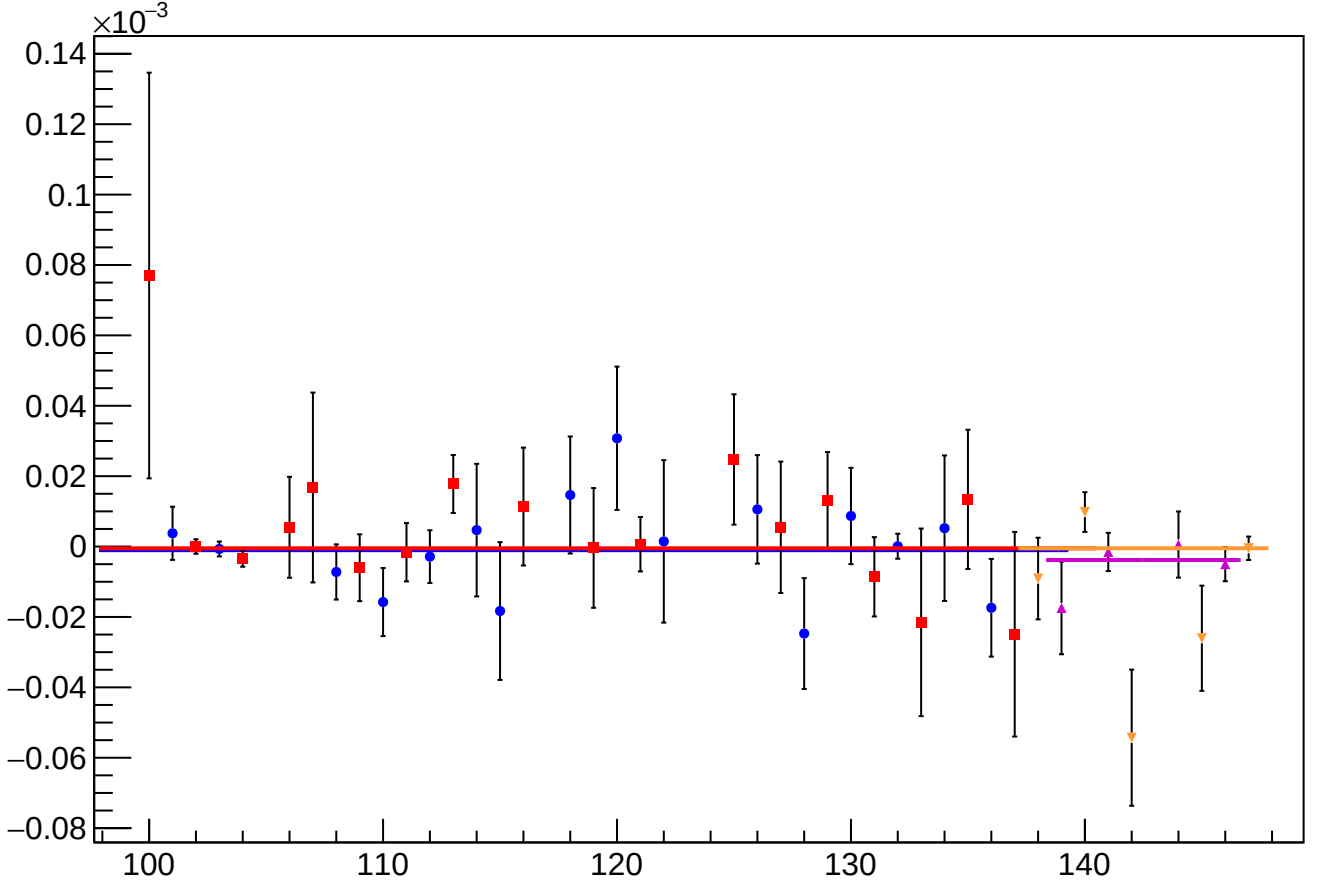
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

+ sign 131.364+/-0.032 χ^2/NDF: 4130801.0/20

All: 121.410+/-0.022 χ^2/NDF: 9554064.2/42

- sign 113.098+/-0.029 χ^2/NDF: 5246407.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/4

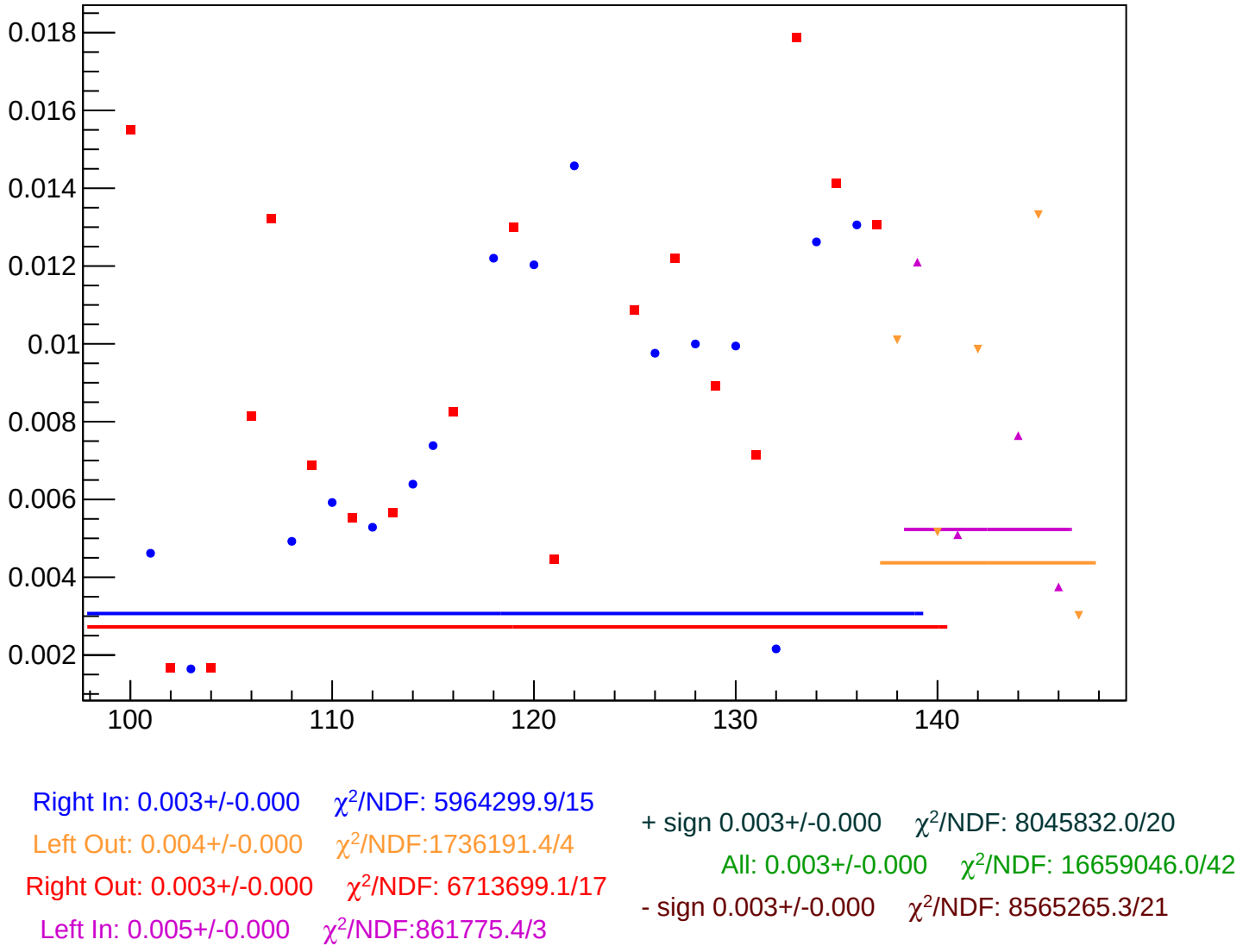
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

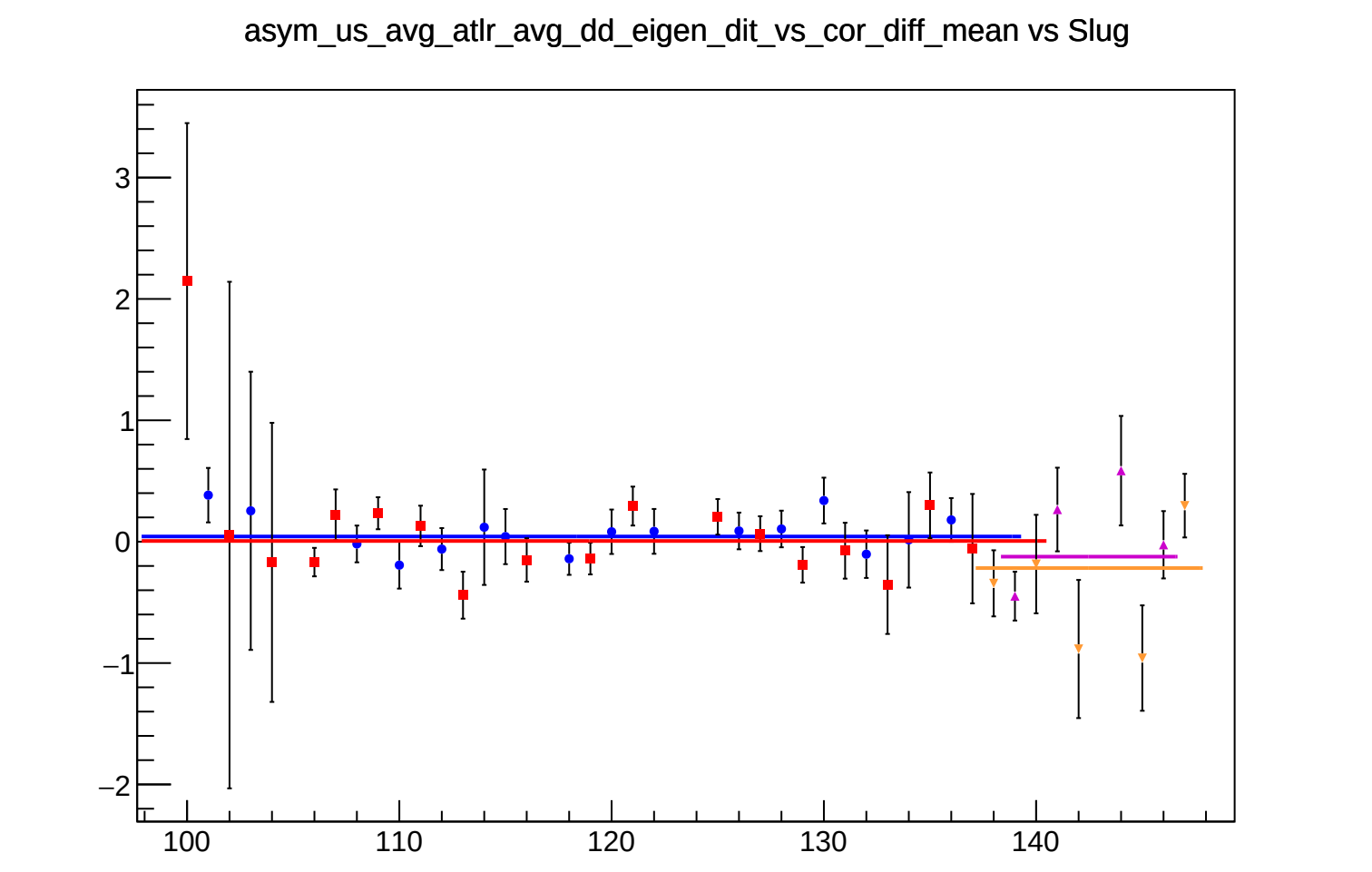
Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/20

All: -0.000+/-0.000 χ^2/NDF: 44.6/42

- sign -0.000+/-0.000 χ^2/NDF: 17.5/21


asym_us_avg_atlr_avg_dd_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
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1736191.4/4
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.005+/-0.000 χ²/NDF:861775.4/3
+ sign 0.003+/-0.000 χ²/NDF: 8045832.0/20
All: 0.003+/-0.000 χ²/NDF: 16659046.0/42
- sign 0.003+/-0.000 χ²/NDF: 8565265.3/21



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

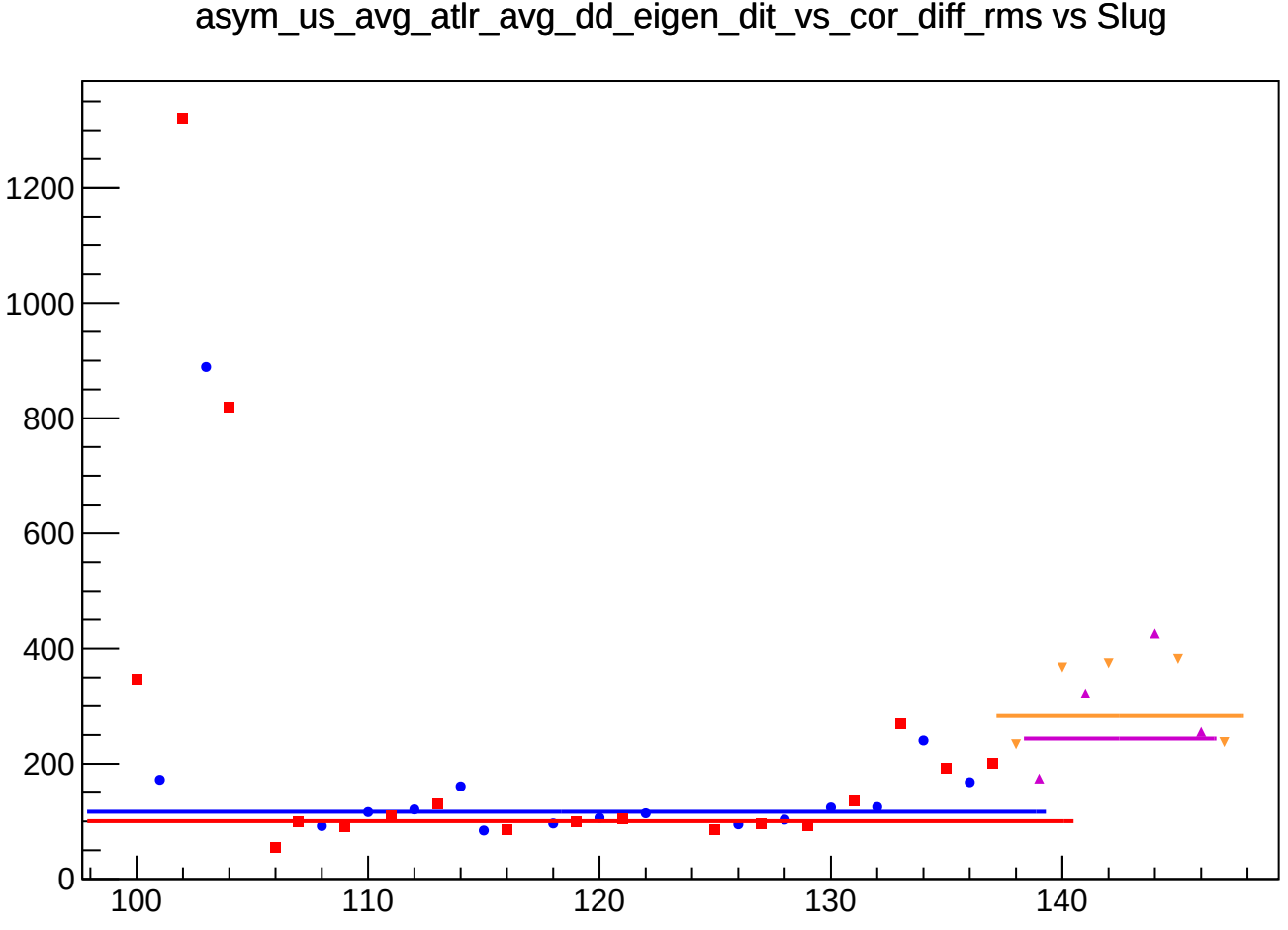
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.140 χ^2/NDF:6.5/3

+ sign 0.020+/-0.045 χ^2/NDF: 21.2/20

All: 0.006+/-0.031 χ^2/NDF: 54.7/42

- sign -0.005+/-0.041 χ^2/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 283.042+/-0.108 χ^2/NDF:367401.9/4

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

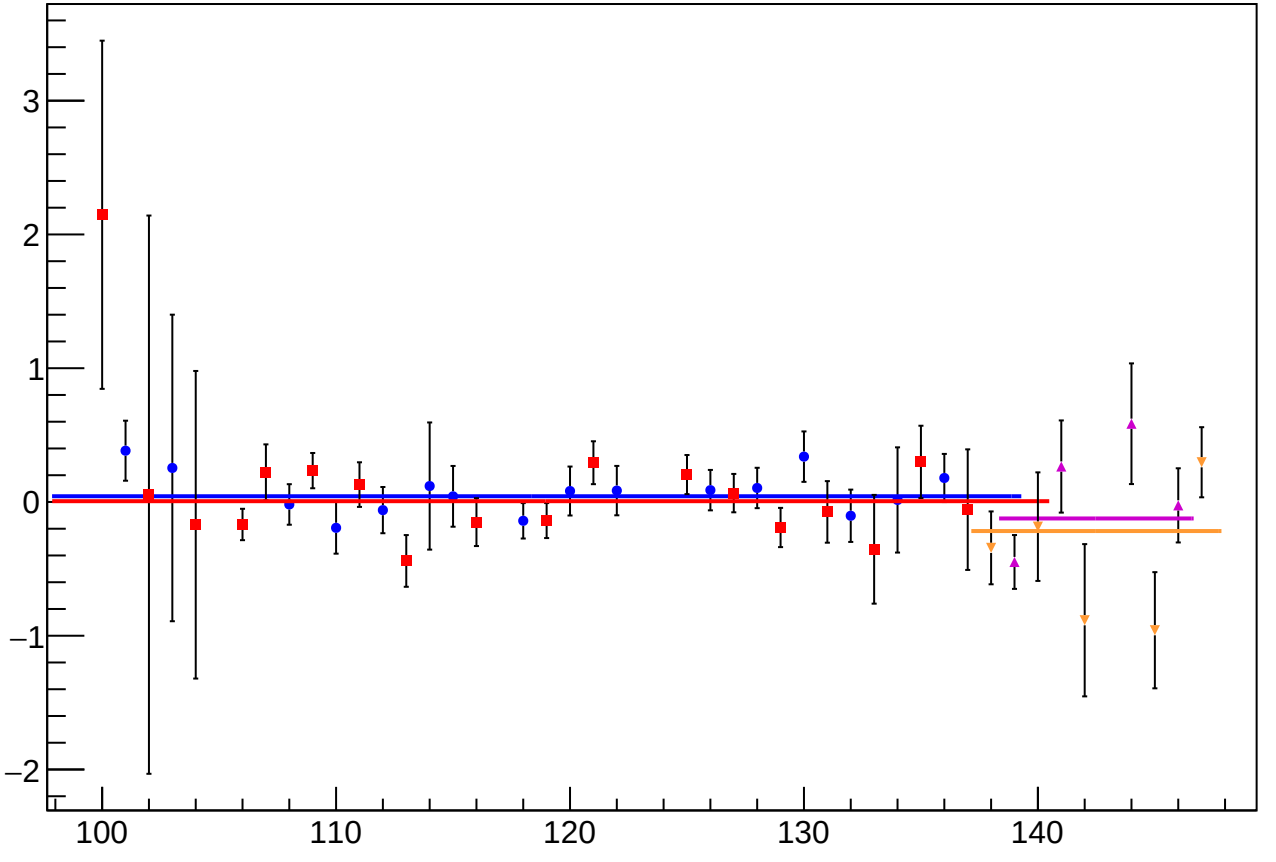
Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

+ sign 131.364+/-0.032 χ^2/NDF: 4130842.1/20

All: 121.409+/-0.022 χ^2/NDF: 9554265.5/42

- sign 113.097+/-0.029 χ^2/NDF: 5246550.0/21

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: -0.217+/-0.153 χ^2/NDF:8.4/4

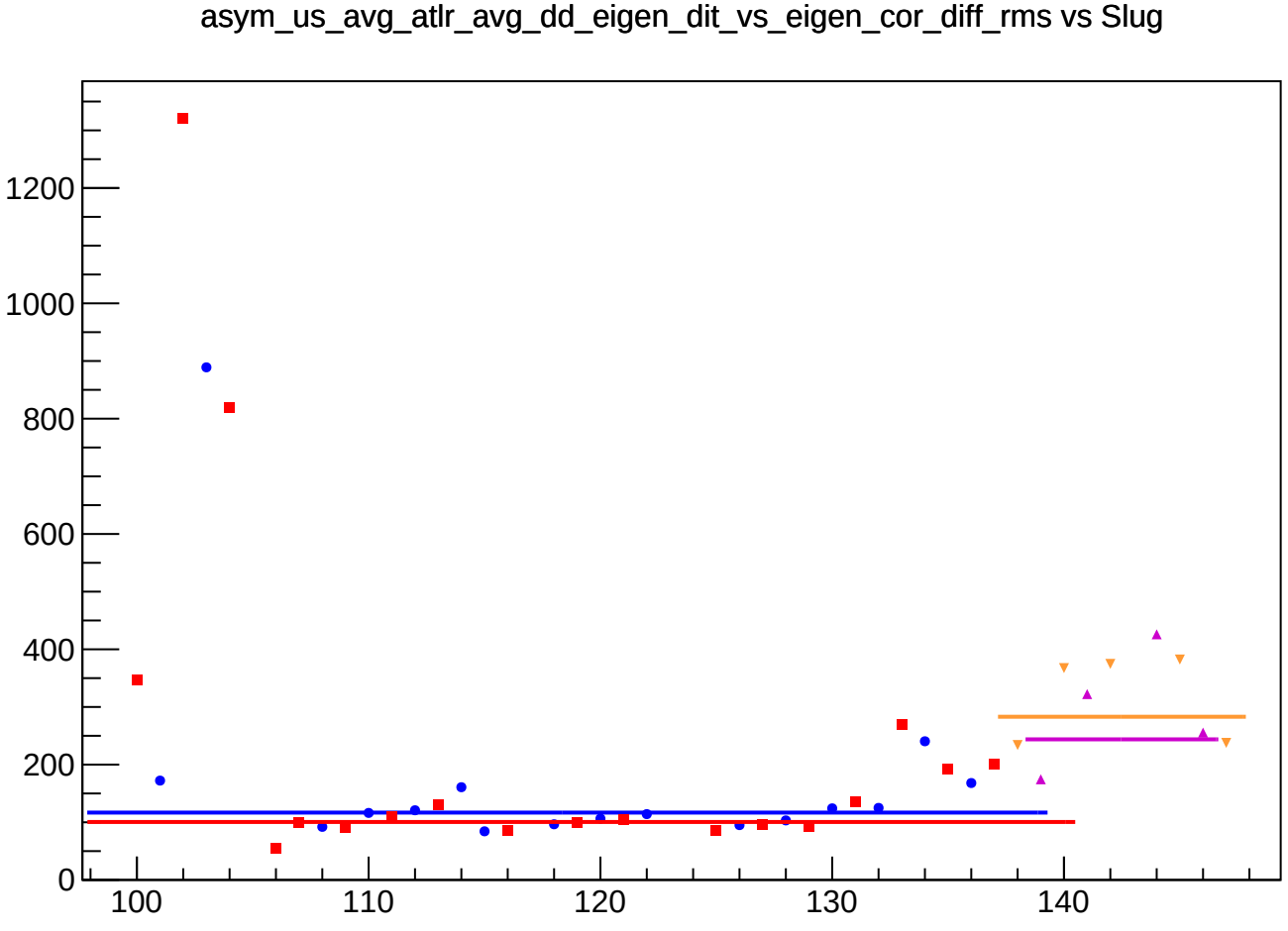
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.140 χ^2/NDF:6.5/3

+ sign 0.020+/-0.045 χ^2/NDF: 21.2/20

All: 0.006+/-0.031 χ^2/NDF: 54.7/42

- sign -0.005+/-0.041 χ^2/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 283.042+/-0.108 χ^2/NDF:367401.9/4

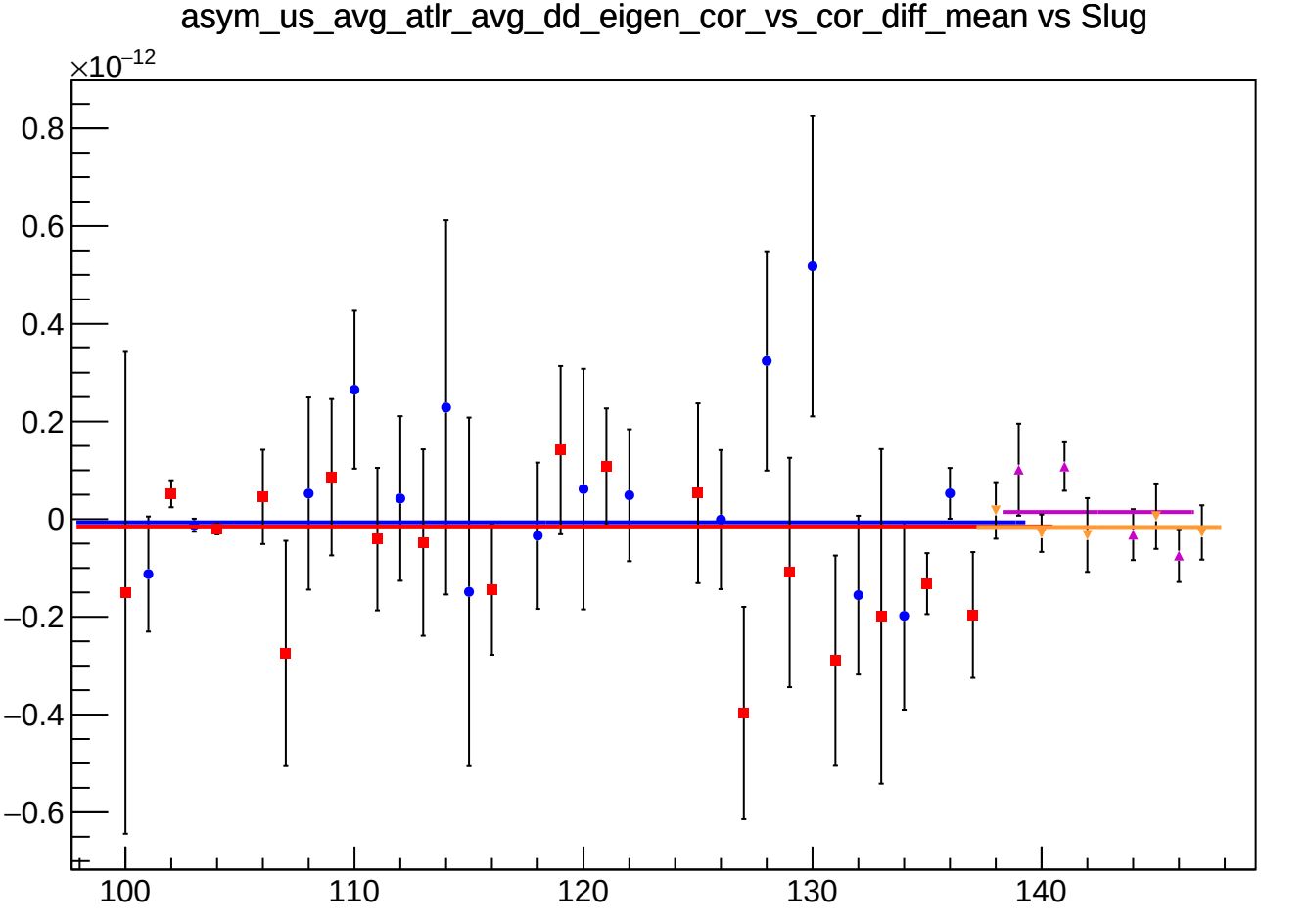
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

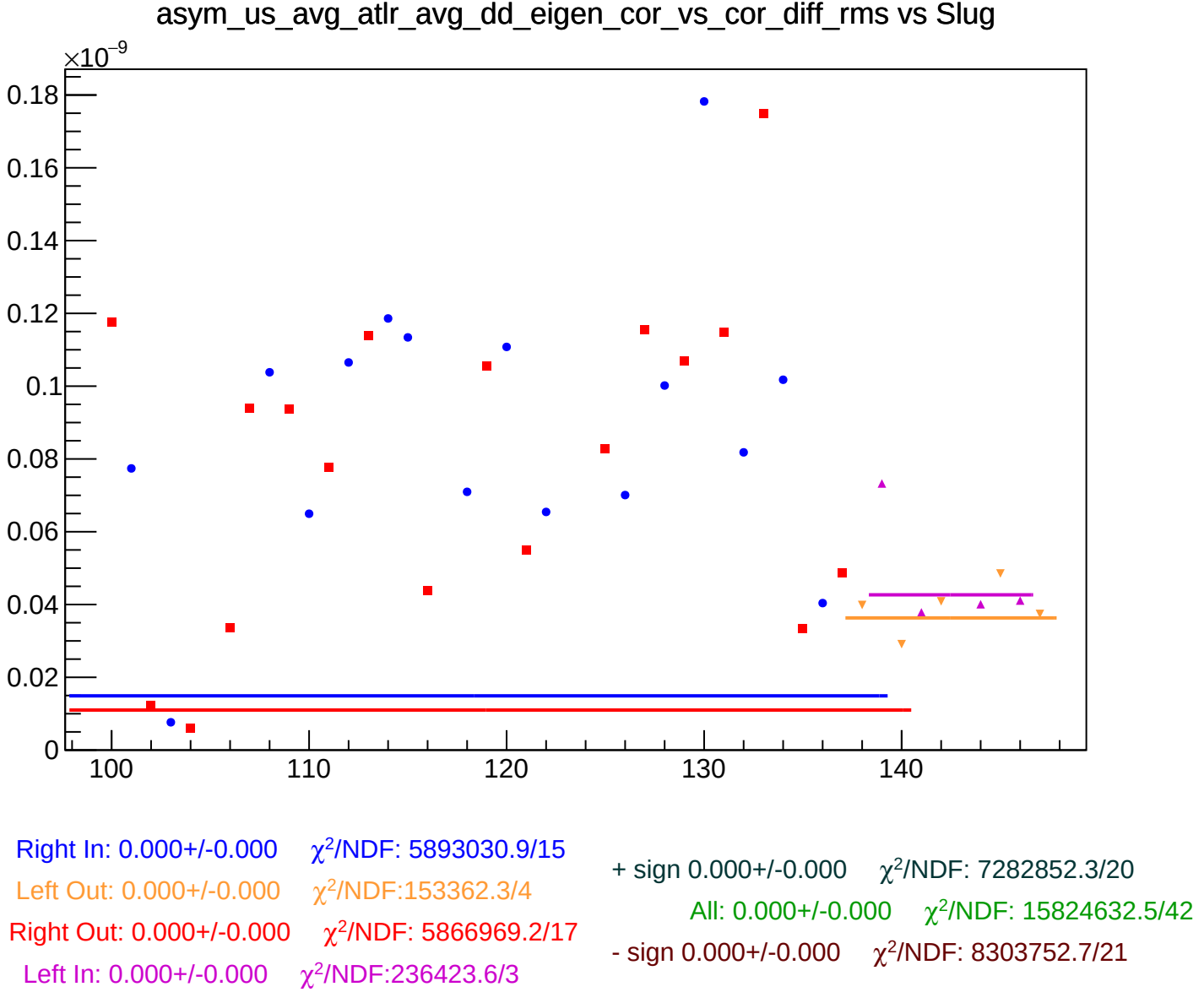
Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

+ sign 131.364+/-0.032 χ^2/NDF: 4130842.1/20

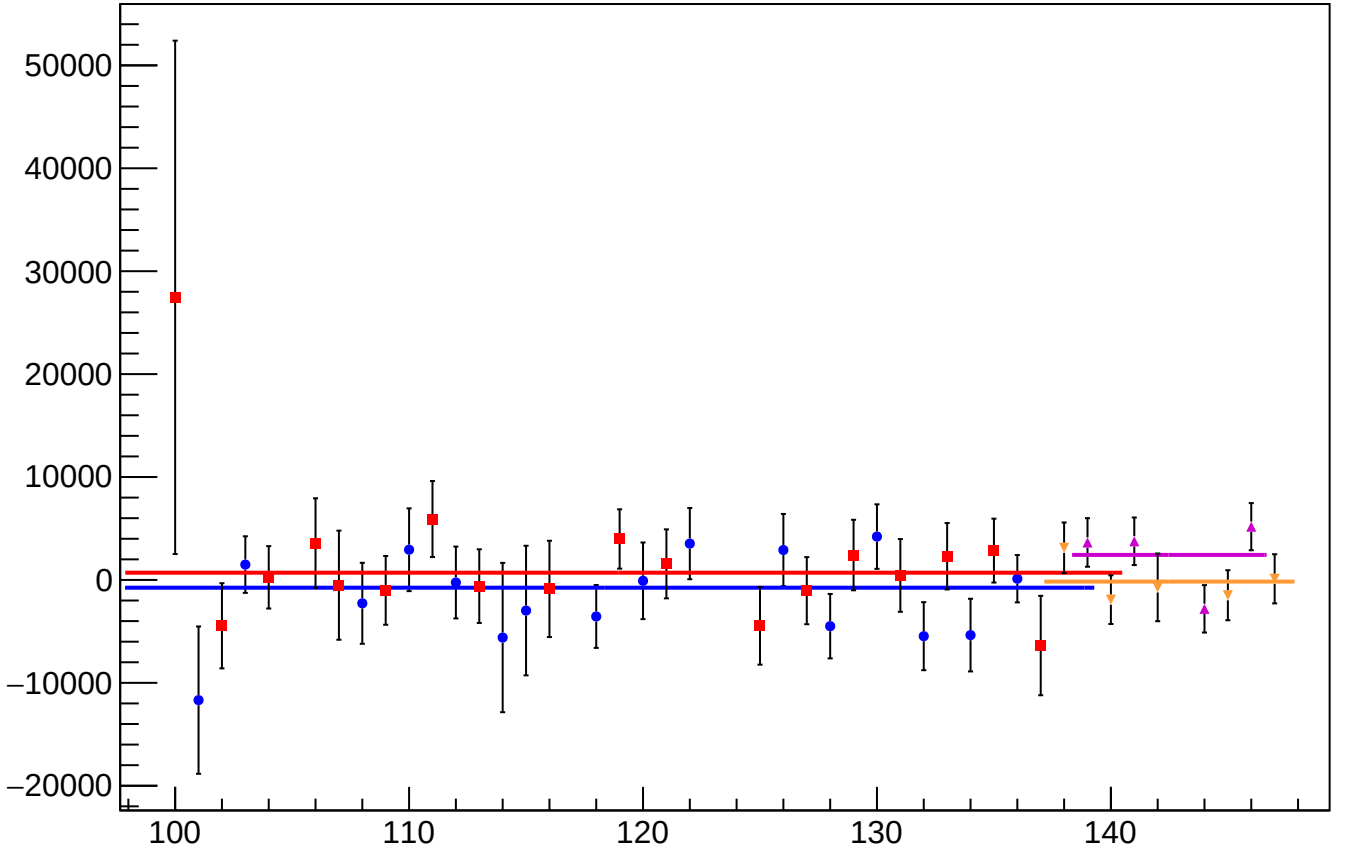
All: 121.409+/-0.022 χ^2/NDF: 9554265.5/42

- sign 113.097+/-0.029 χ^2/NDF: 5246550.0/21


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
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.7/4
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:7.9/3
+ sign -0.000+/-0.000 χ²/NDF: 13.8/20
All: -0.000+/-0.000 χ²/NDF: 44.6/42
- sign -0.000+/-0.000 χ²/NDF: 30.7/21


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:153362.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:236423.6/3
+ sign 0.000+/-0.000 χ²/NDF: 7282852.3/20
All: 0.000+/-0.000 χ²/NDF: 15824632.5/42
- sign 0.000+/-0.000 χ²/NDF: 8303752.7/21

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -160.582+/-1131.536 χ^2/NDF:2.7/4

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

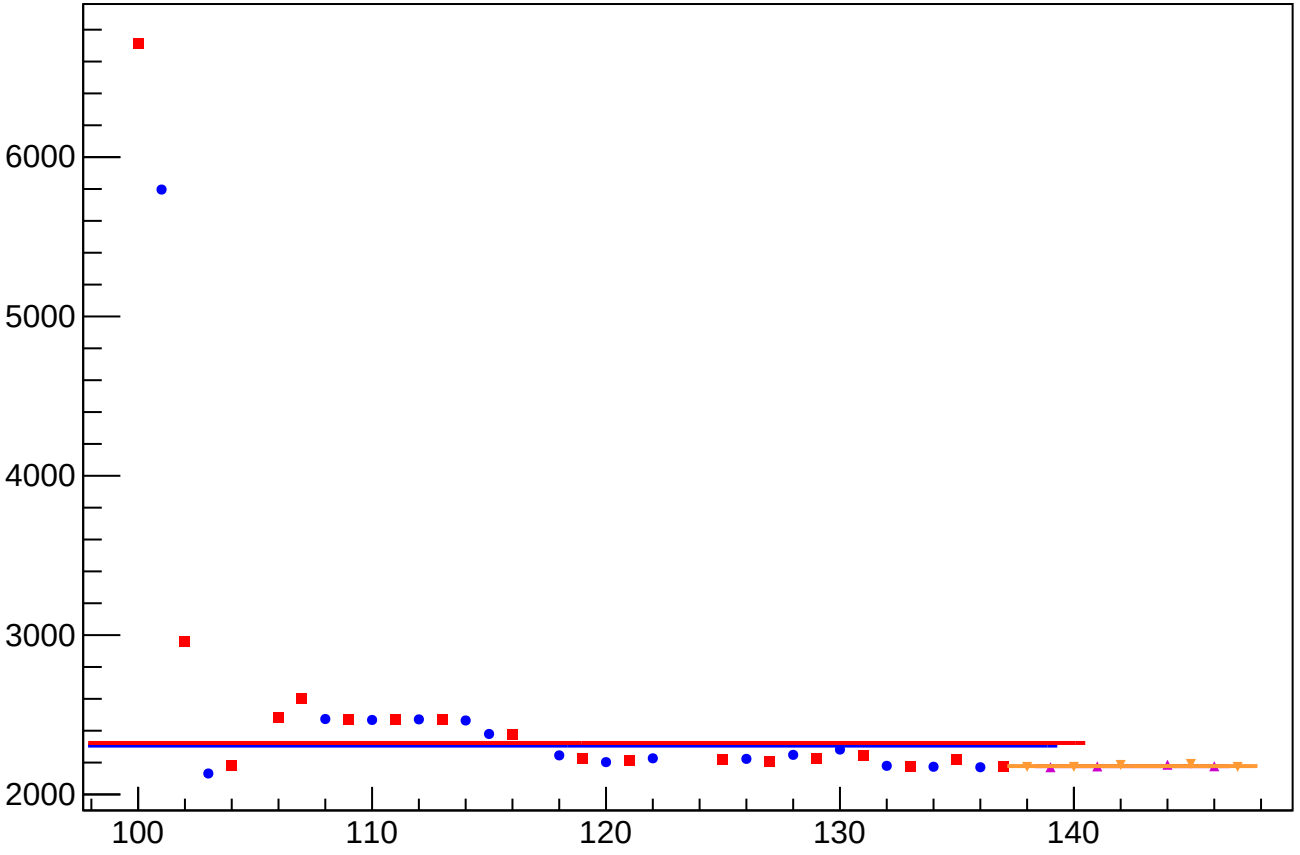
Left In: 2432.157+/-1158.364 χ^2/NDF:7.2/3

+ sign -532.868+/-691.024 χ^2/NDF: 18.7/20

All: 390.732+/-490.011 χ^2/NDF: 43.3/42

- sign 1324.867+/-694.954 χ^2/NDF: 21.0/21

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

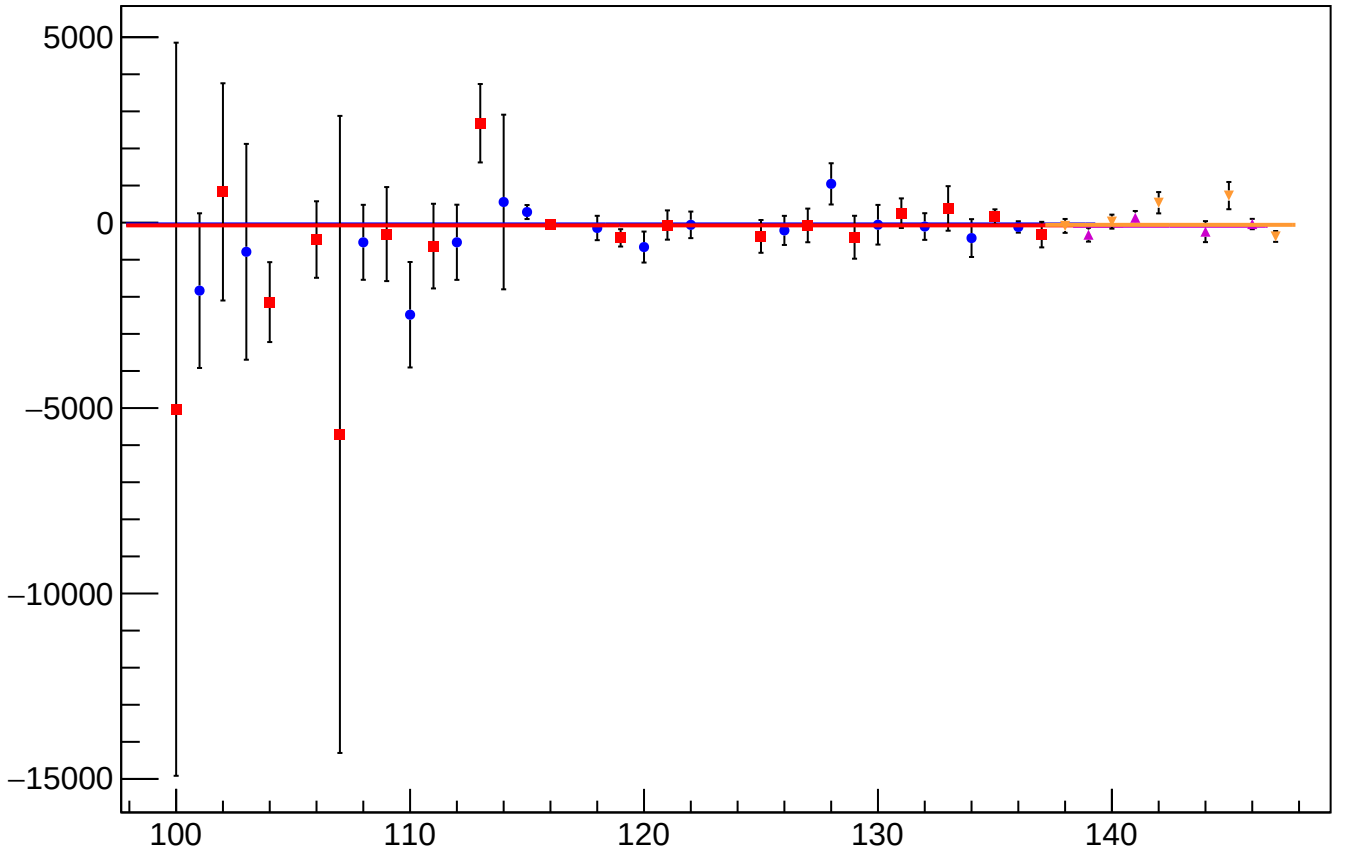
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.4/20

All: 2264.656+/-0.346 χ^2/NDF: 702734.8/42

- sign 2270.712+/-0.491 χ^2/NDF: 171976.3/21



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -59.510+/-90.229 χ^2/NDF:13.7/4

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

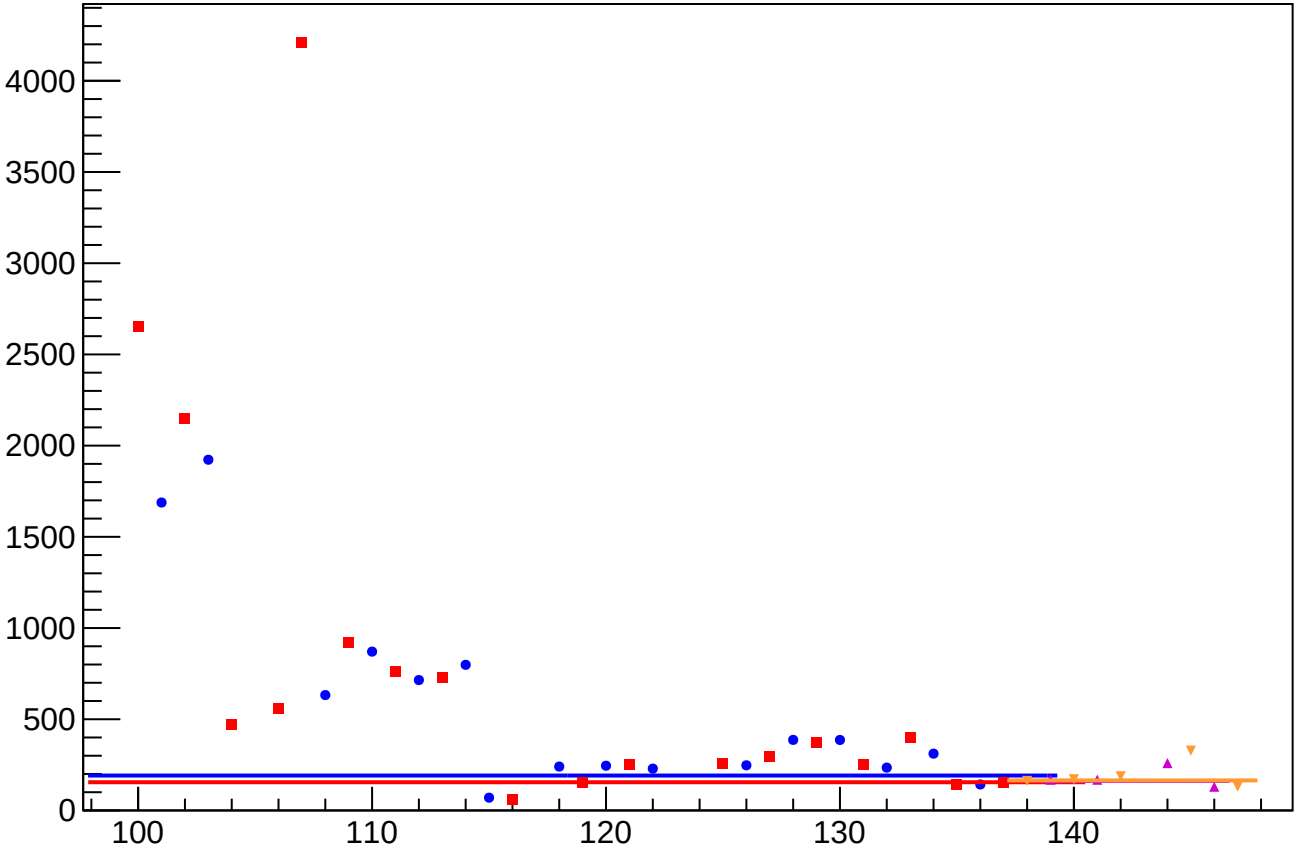
Left In: -85.018+/-90.353 χ^2/NDF:3.5/3

+ sign -53.762+/-64.042 χ^2/NDF: 28.1/20

All: -67.078+/-44.123 χ^2/NDF: 49.3/42

- sign -79.111+/-60.877 χ^2/NDF: 21.1/21

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.605+/-0.064 χ^2/NDF:518075.6/4

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

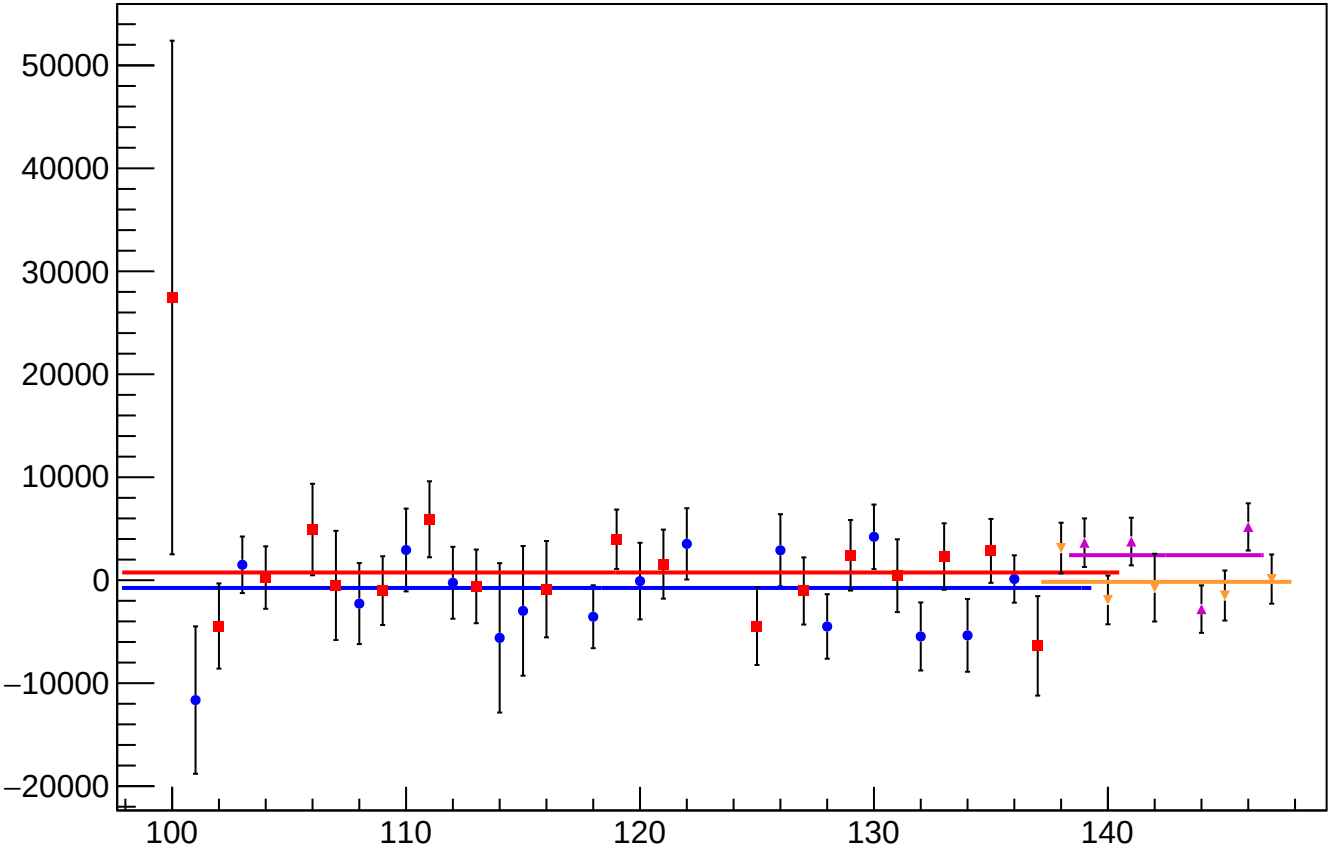
Left In: 161.791+/-0.064 χ^2/NDF:346822.9/3

+ sign 177.891+/-0.045 χ^2/NDF: 5670219.8/20

All: 167.393+/-0.031 χ^2/NDF: 12280412.6/42

- sign 157.906+/-0.043 χ^2/NDF: 6507880.1/21

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -160.614+/-1131.536 χ^2/NDF:2.7/4

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

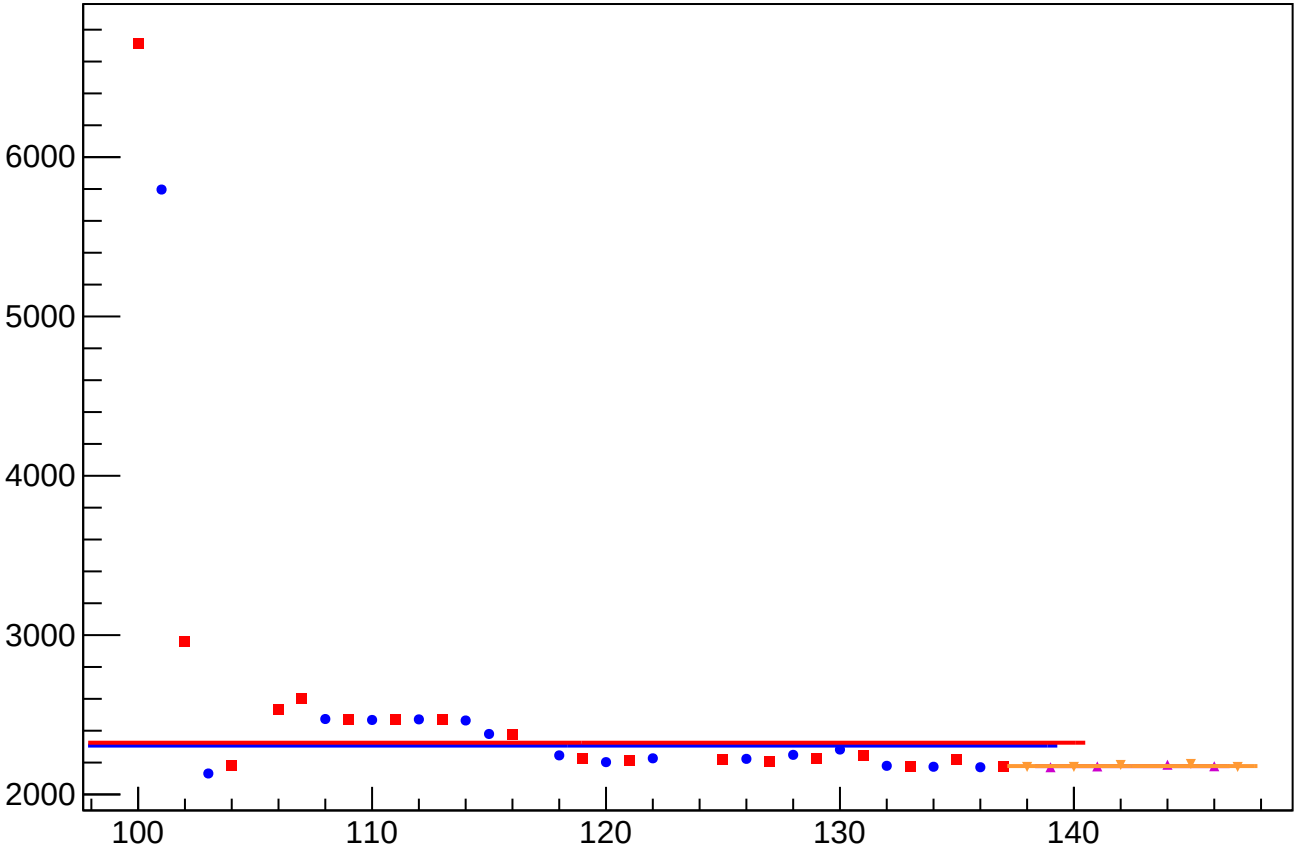
Left In: 2432.293+/-1158.364 χ^2/NDF:7.2/3

\+ sign -532.272+/-691.024 χ^2/NDF: 18.7/20

All: 405.869+/-490.140 χ^2/NDF: 43.8/42

\- sign 1355.717+/-695.322 χ^2/NDF: 21.4/21

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

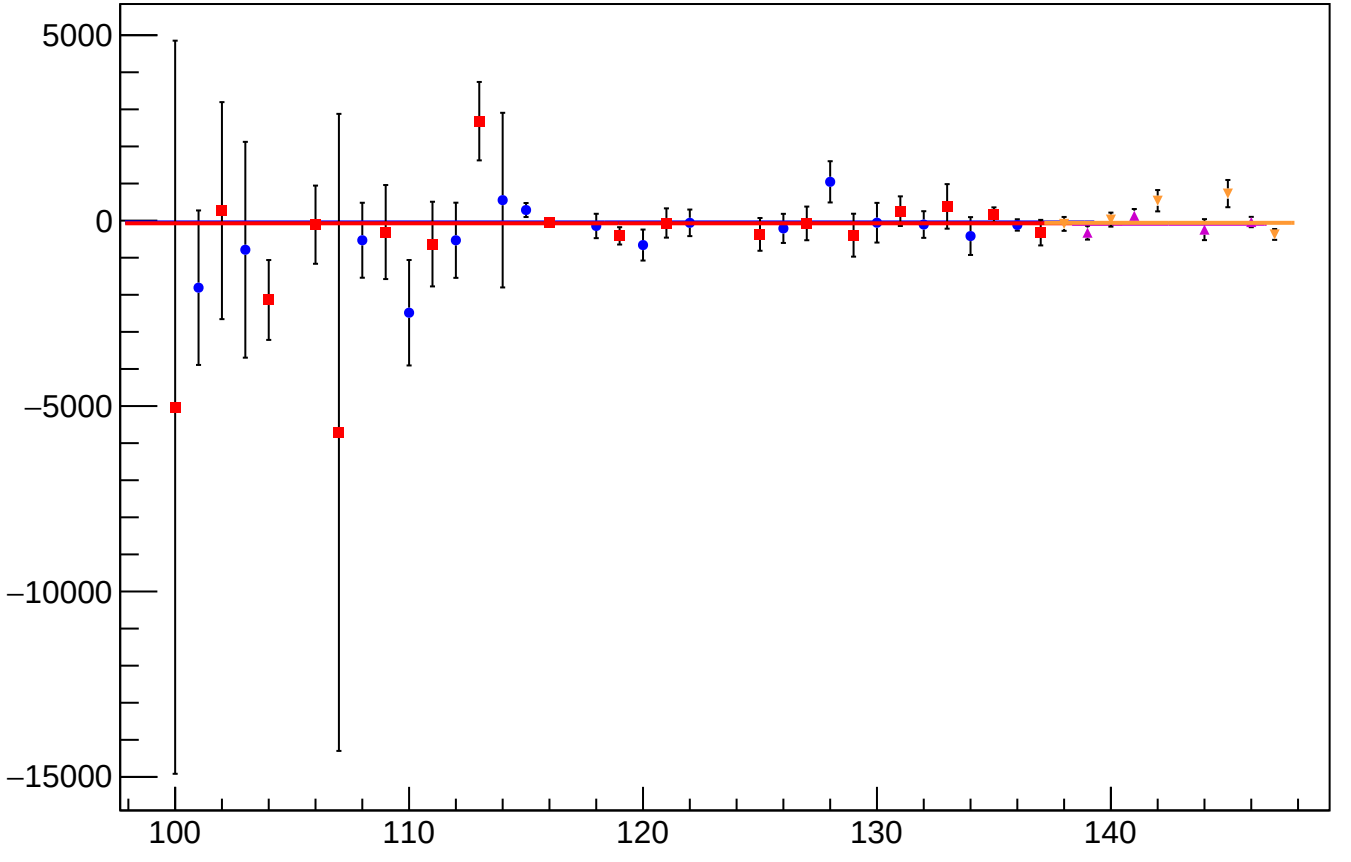
Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.7/20

All: 2265.157+/-0.347 χ^2/NDF: 705034.0/42

- sign 2271.728+/-0.492 χ^2/NDF: 174222.3/21

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -59.431+/-90.229 χ^2/NDF:13.7/4

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

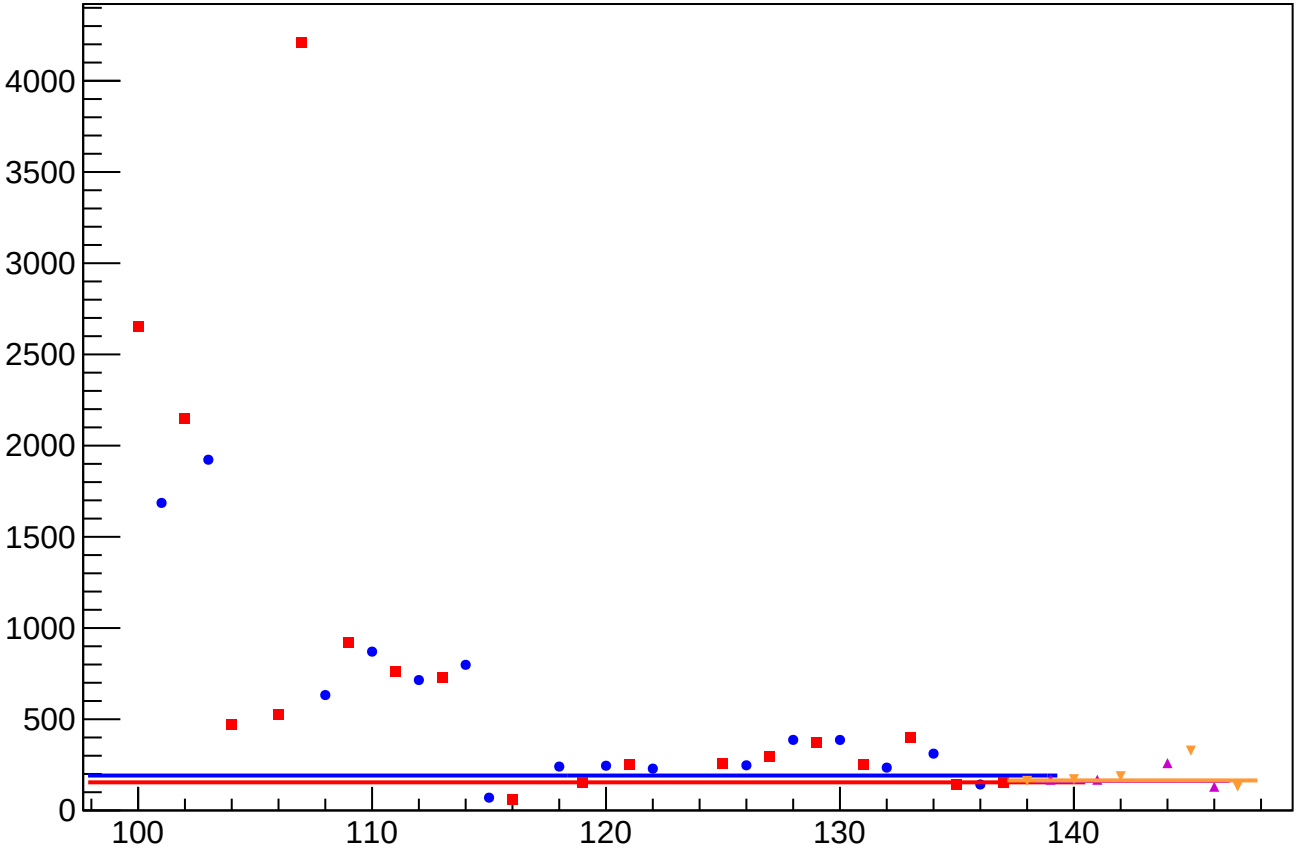
Left In: -85.225+/-90.354 χ^2/NDF:3.5/3

+ sign -53.740+/-64.044 χ^2/NDF: 28.1/20

All: -66.545+/-44.114 χ^2/NDF: 49.1/42

- sign -78.107+/-60.852 χ^2/NDF: 20.9/21

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: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

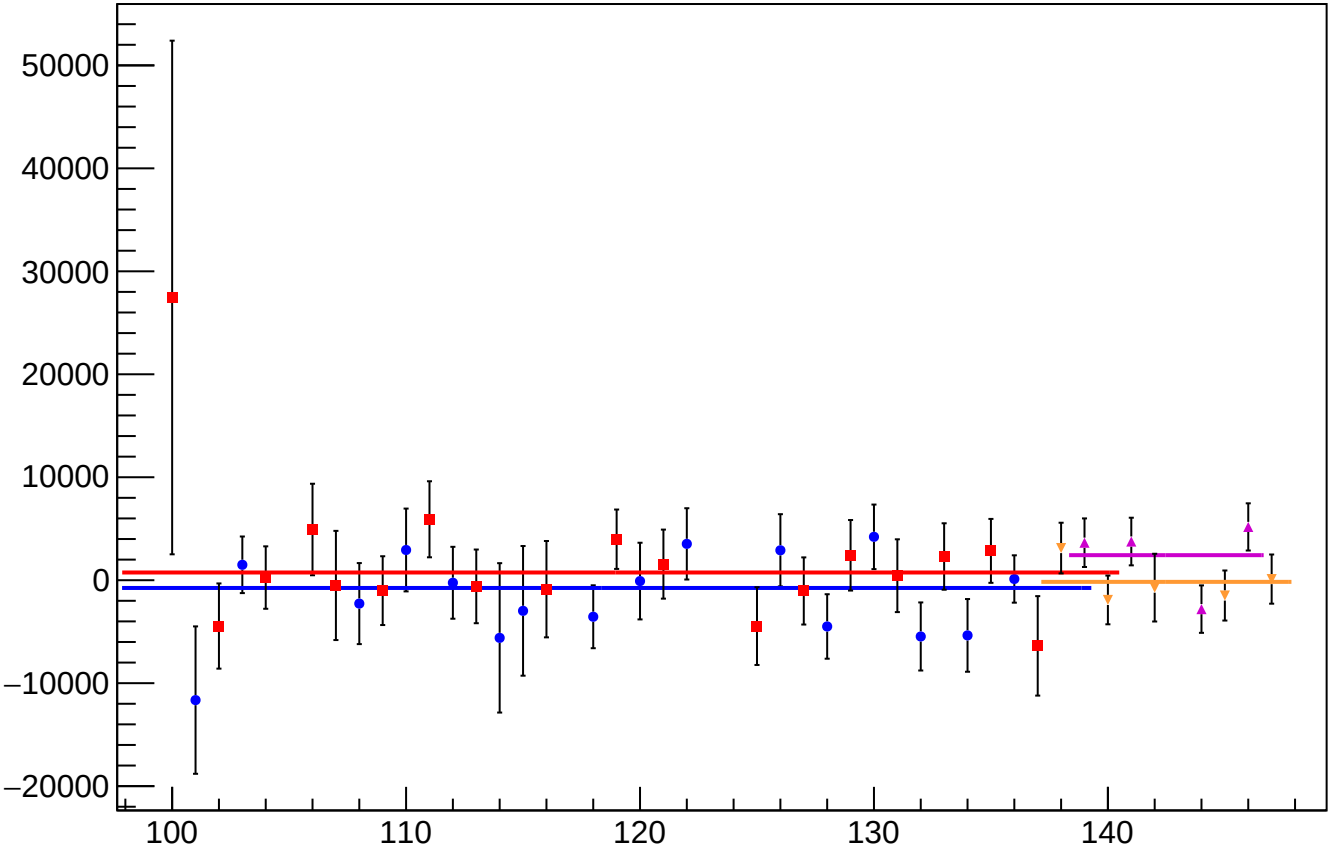
Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

+ sign 177.901+/-0.045 χ^2/NDF: 5669362.5/20

All: 167.233+/-0.031 χ^2/NDF: 12238343.1/42

- sign 157.601+/-0.043 χ^2/NDF: 6463371.5/21

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: -160.614+/-1131.536 χ^2/NDF:2.7/4

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

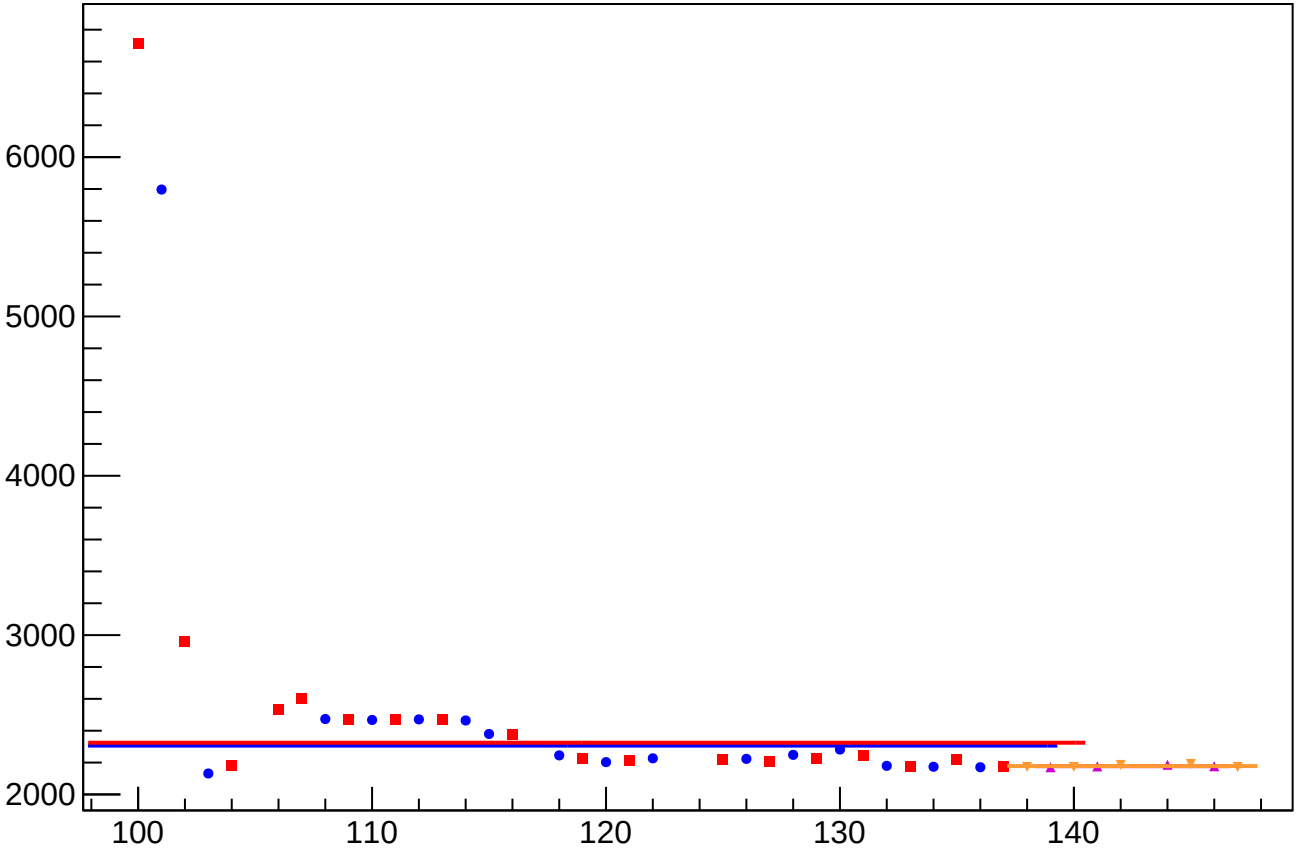
Left In: 2432.293+/-1158.364 χ^2/NDF:7.2/3

+ sign -532.272+/-691.024 χ^2/NDF: 18.7/20

All: 405.869+/-490.140 χ^2/NDF: 43.8/42

- sign 1355.717+/-695.322 χ^2/NDF: 21.4/21

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

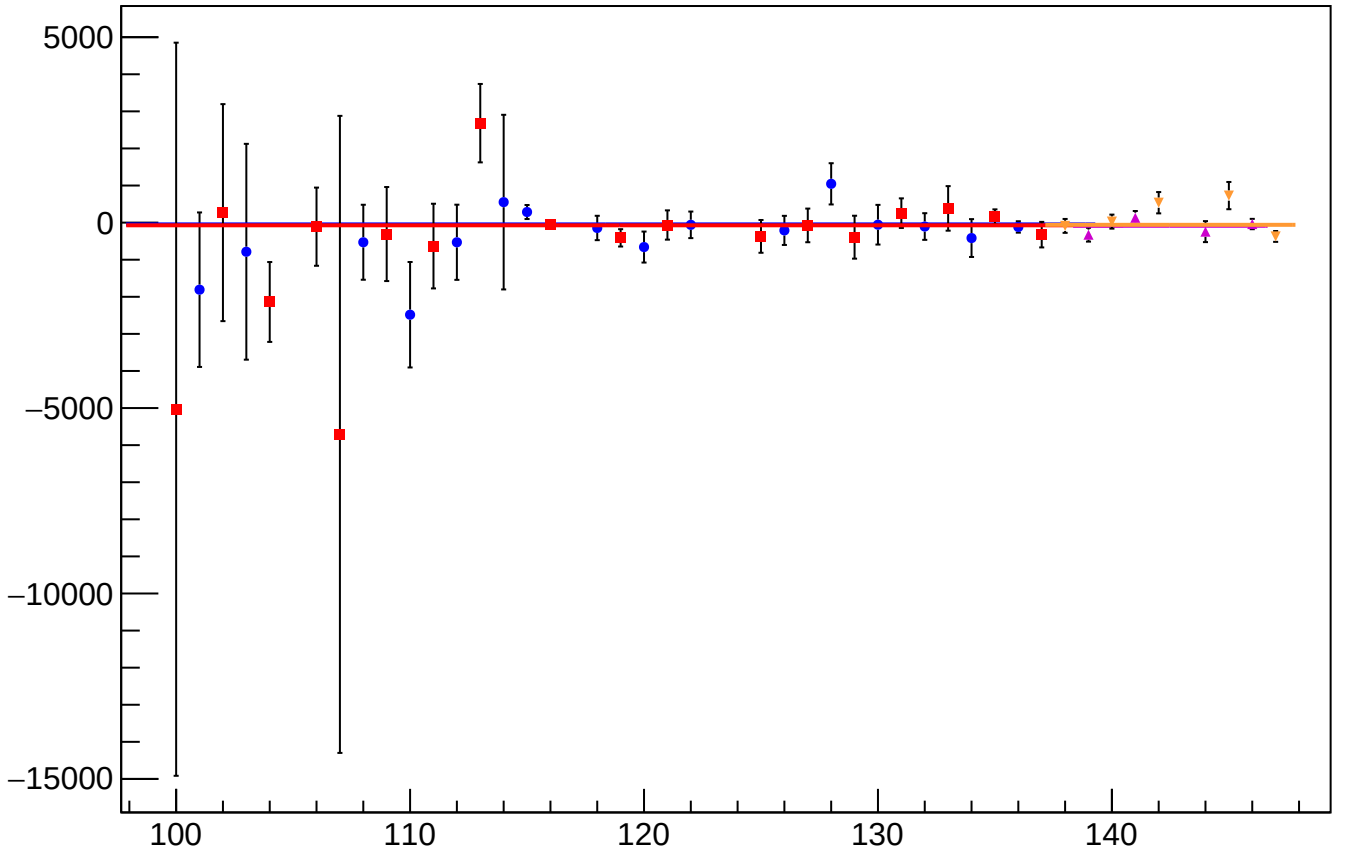
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.7/20

All: 2265.157+/-0.347 χ^2/NDF: 705034.0/42

- sign 2271.728+/-0.492 χ^2/NDF: 174222.3/21



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -59.431+/-90.229 χ^2/NDF:13.7/4

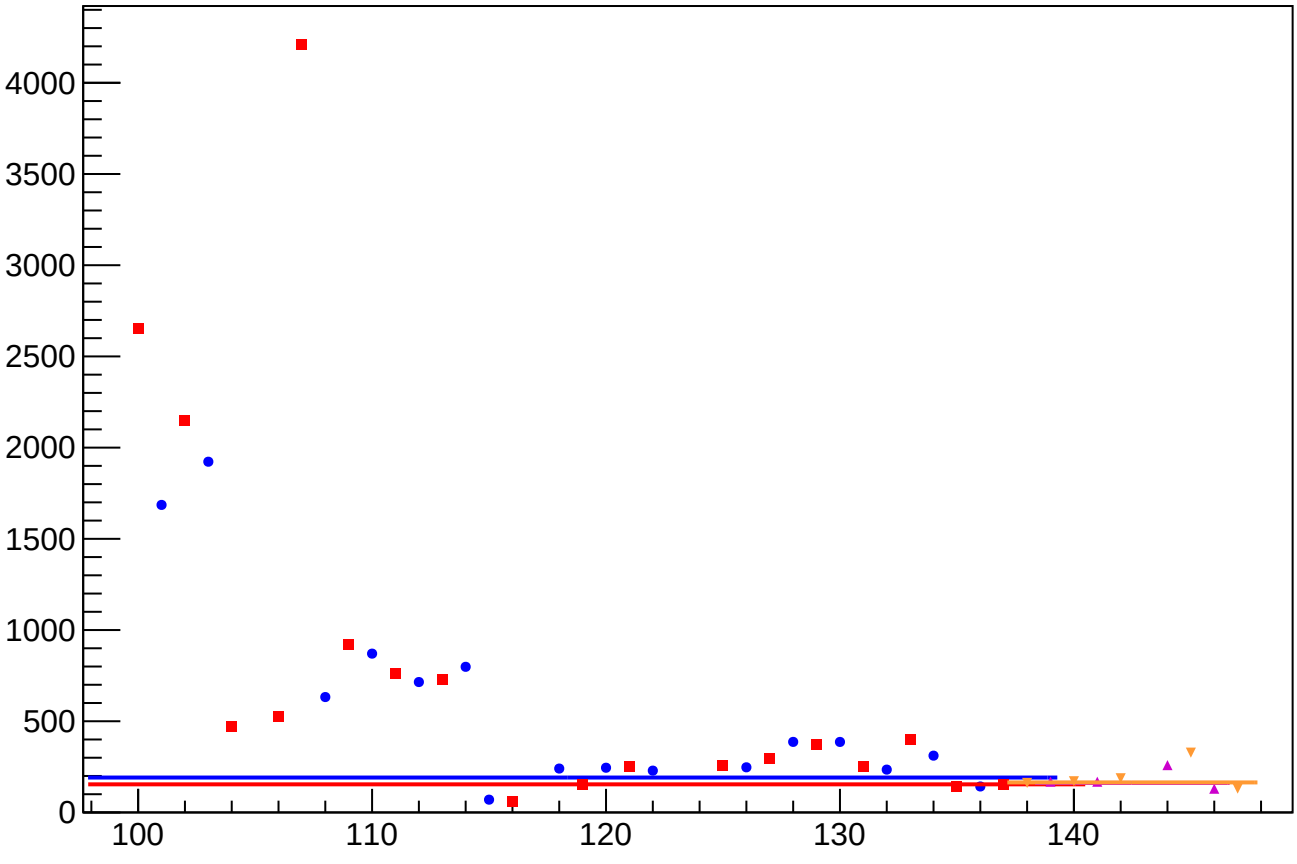
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -85.225+/-90.354 χ^2/NDF:3.5/3

+ sign -53.740+/-64.044 χ^2/NDF: 28.1/20

All: -66.545+/-44.114 χ^2/NDF: 49.1/42

- sign -78.107+/-60.852 χ^2/NDF: 20.9/21



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

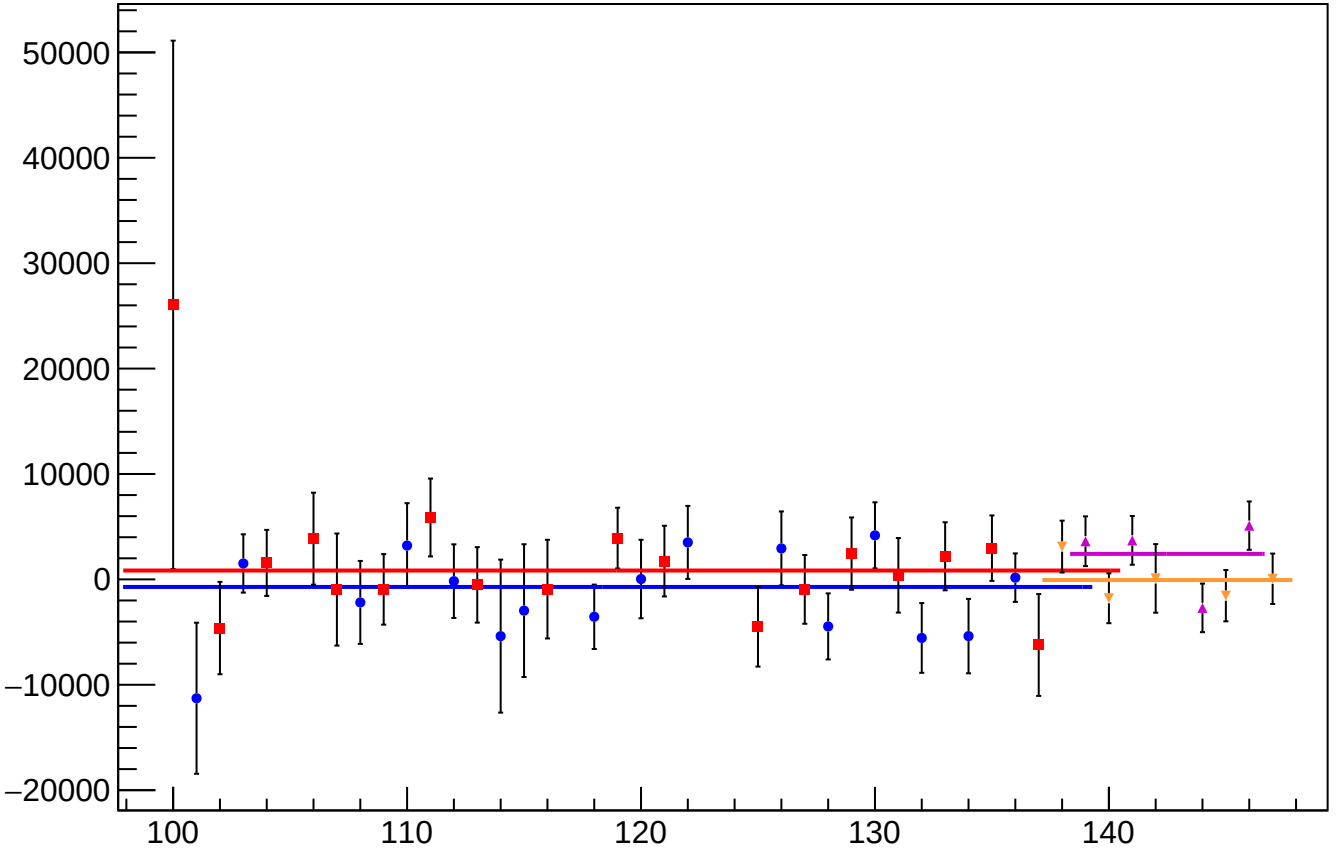
Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

+ sign 177.901+/-0.045 χ^2/NDF: 5669362.5/20

All: 167.233+/-0.031 χ^2/NDF: 12238343.1/42

- sign 157.601+/-0.043 χ^2/NDF: 6463371.5/21

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -61.389+/-1130.522 χ^2/NDF:2.6/4

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

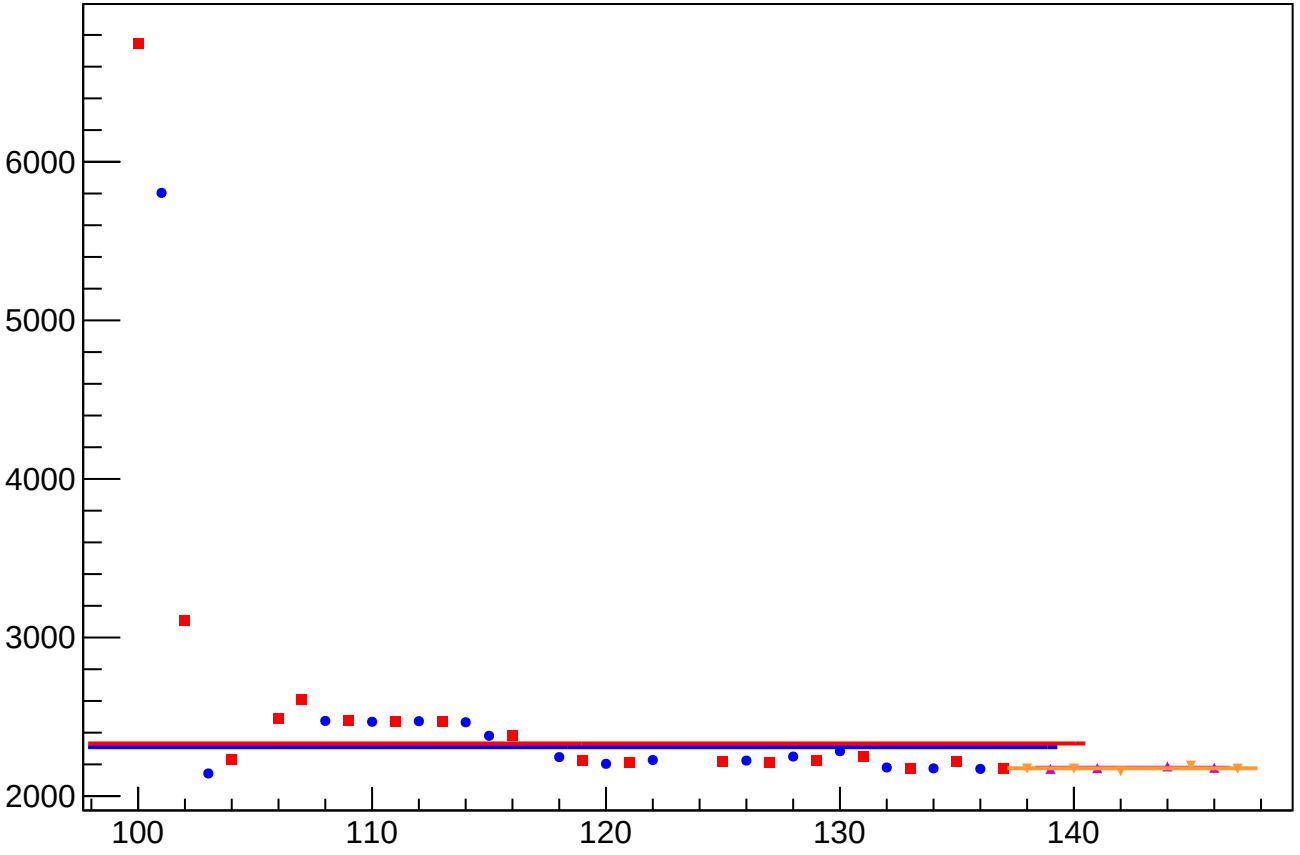
Left In: 2420.212+/-1158.868 χ^2/NDF:6.9/3

\+ sign -471.989+/-691.232 χ^2/NDF: 18.6/20

All: 462.360+/-491.006 χ^2/NDF: 42.5/42

\- sign 1413.964+/-697.585 χ^2/NDF: 20.2/21

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2175.361+/-0.799 χ^2/NDF:169.9/4

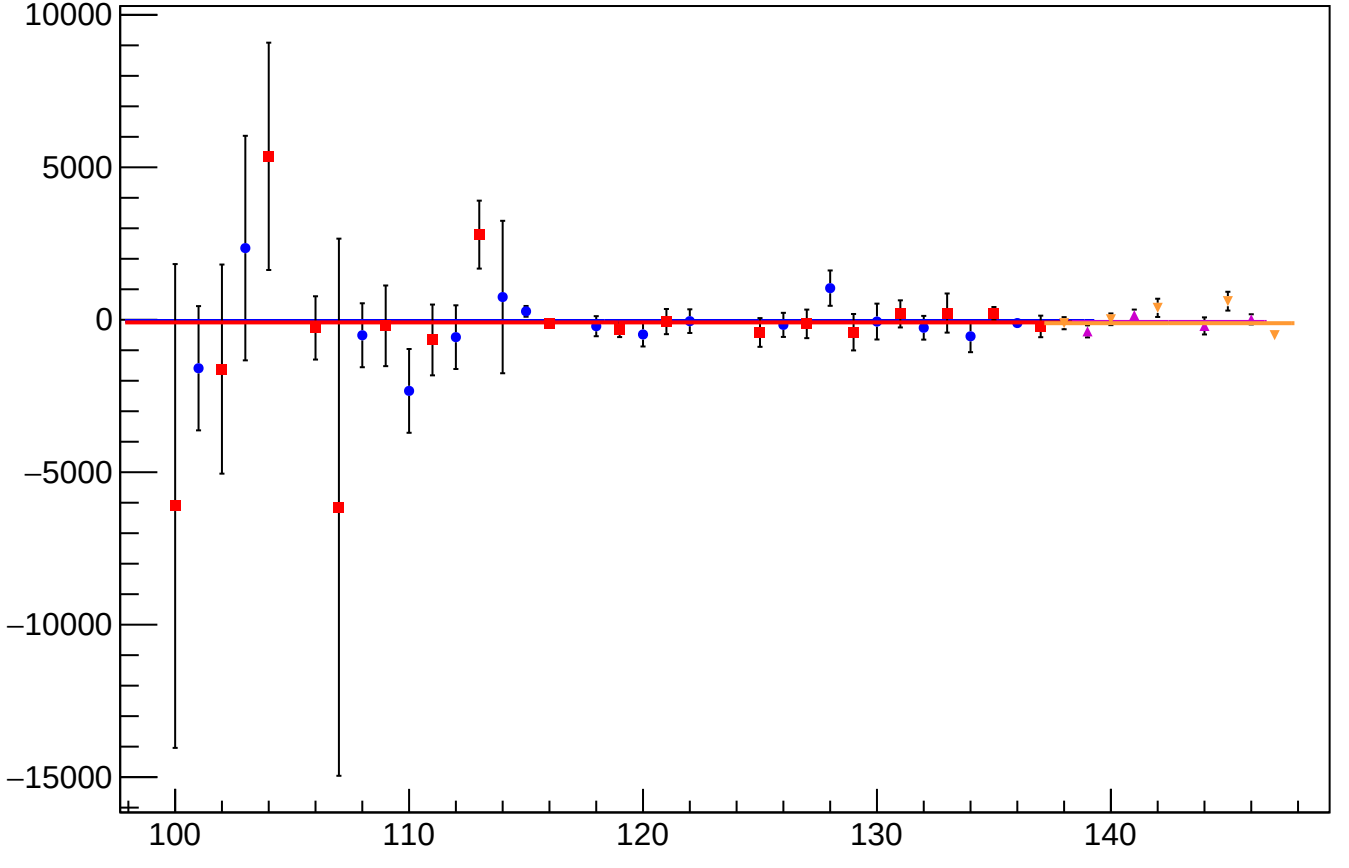
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

+ sign 2258.877+/-0.489 χ^2/NDF: 531343.2/20

All: 2267.529+/-0.347 χ^2/NDF: 721628.1/42

- sign 2276.341+/-0.493 χ^2/NDF: 189652.4/21



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -112.315+/-92.577 χ^2/NDF:15.3/4

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

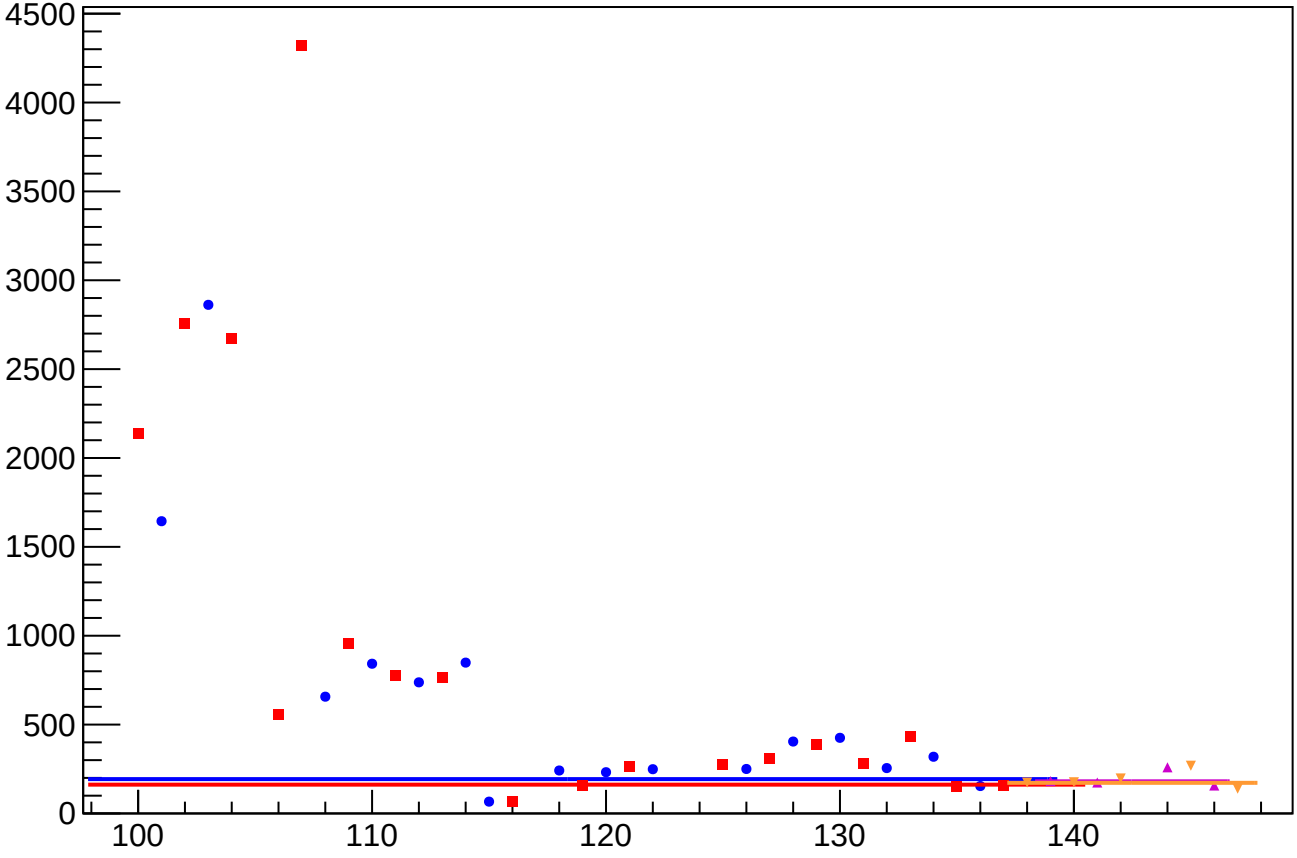
Left In: -71.407+/-98.565 χ^2/NDF:4.3/3

+ sign -76.151+/-65.402 χ^2/NDF: 29.7/20

All: -78.042+/-46.046 χ^2/NDF: 48.9/42

- sign -79.900+/-64.839 χ^2/NDF: 19.3/21

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 172.338+/-0.065 χ^2/NDF:300404.6/4

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

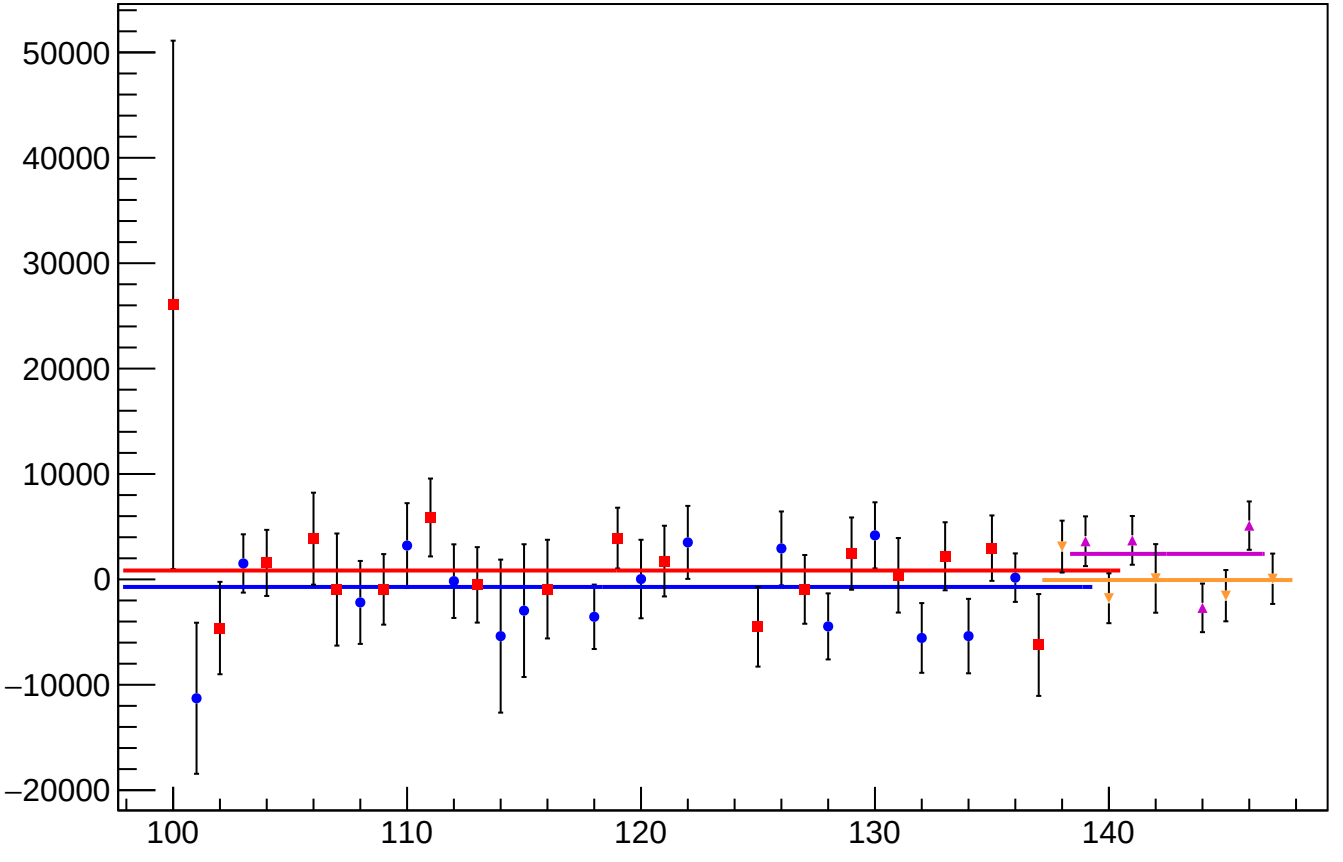
Left In: 180.783+/-0.070 χ^2/NDF:200988.5/3

+ sign 182.815+/-0.046 χ^2/NDF: 5969397.3/20

All: 176.449+/-0.033 χ^2/NDF: 13319147.0/42

- sign 170.193+/-0.046 χ^2/NDF: 7312177.8/21

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: -61.391+/-1130.522 χ^2/NDF:2.6/4

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

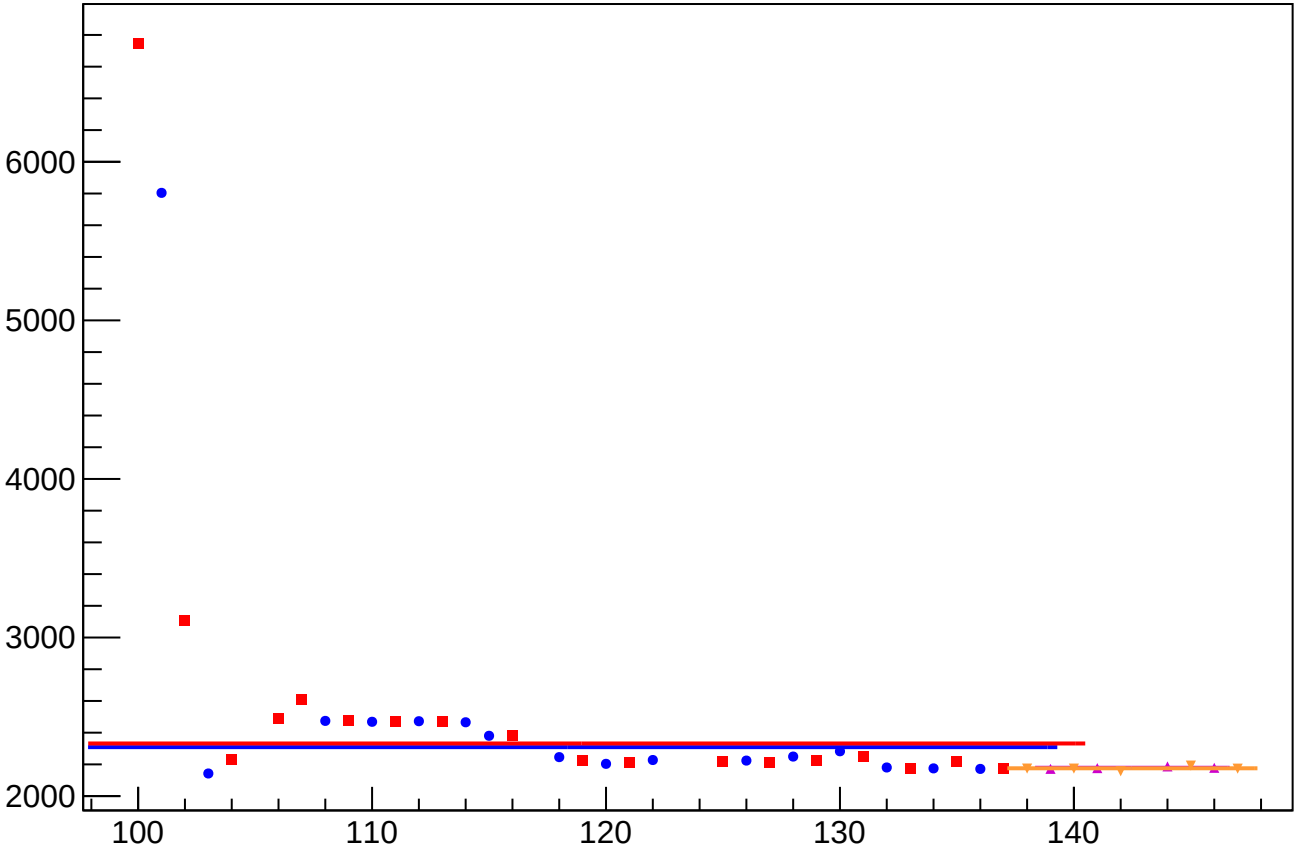
Left In: 2420.211+/-1158.868 χ^2/NDF:6.9/3

+ sign -471.991+/-691.232 χ^2/NDF: 18.6/20

All: 462.360+/-491.006 χ^2/NDF: 42.5/42

- sign 1413.965+/-697.585 χ^2/NDF: 20.2/21

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: 2175.361+/-0.799 χ^2/NDF:169.9/4

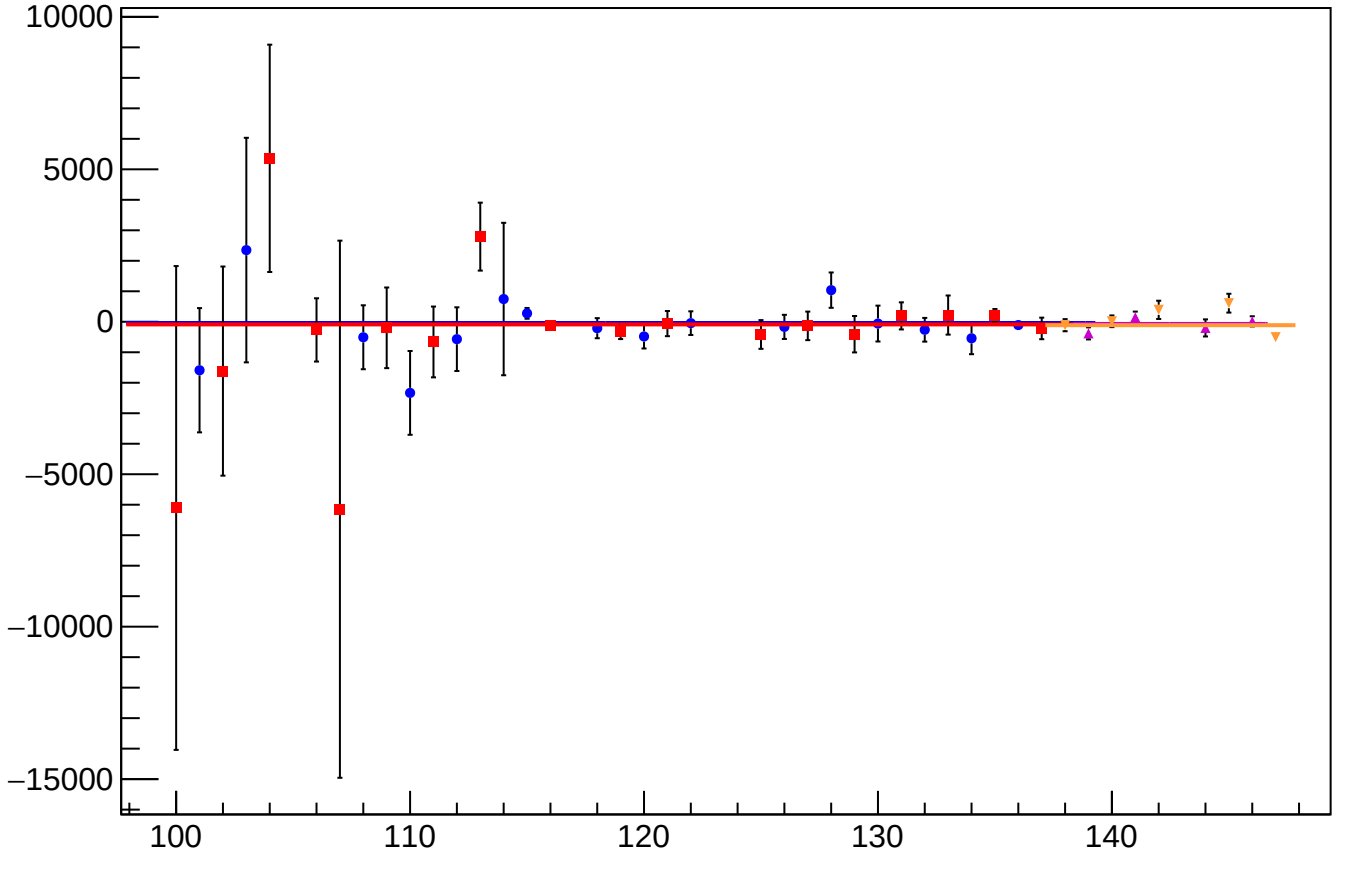
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

+ sign 2258.877+/-0.489 χ^2/NDF: 531343.2/20

All: 2267.529+/-0.347 χ^2/NDF: 721628.0/42

- sign 2276.341+/-0.493 χ^2/NDF: 189652.3/21



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -112.314+/-92.577 χ^2/NDF:15.3/4

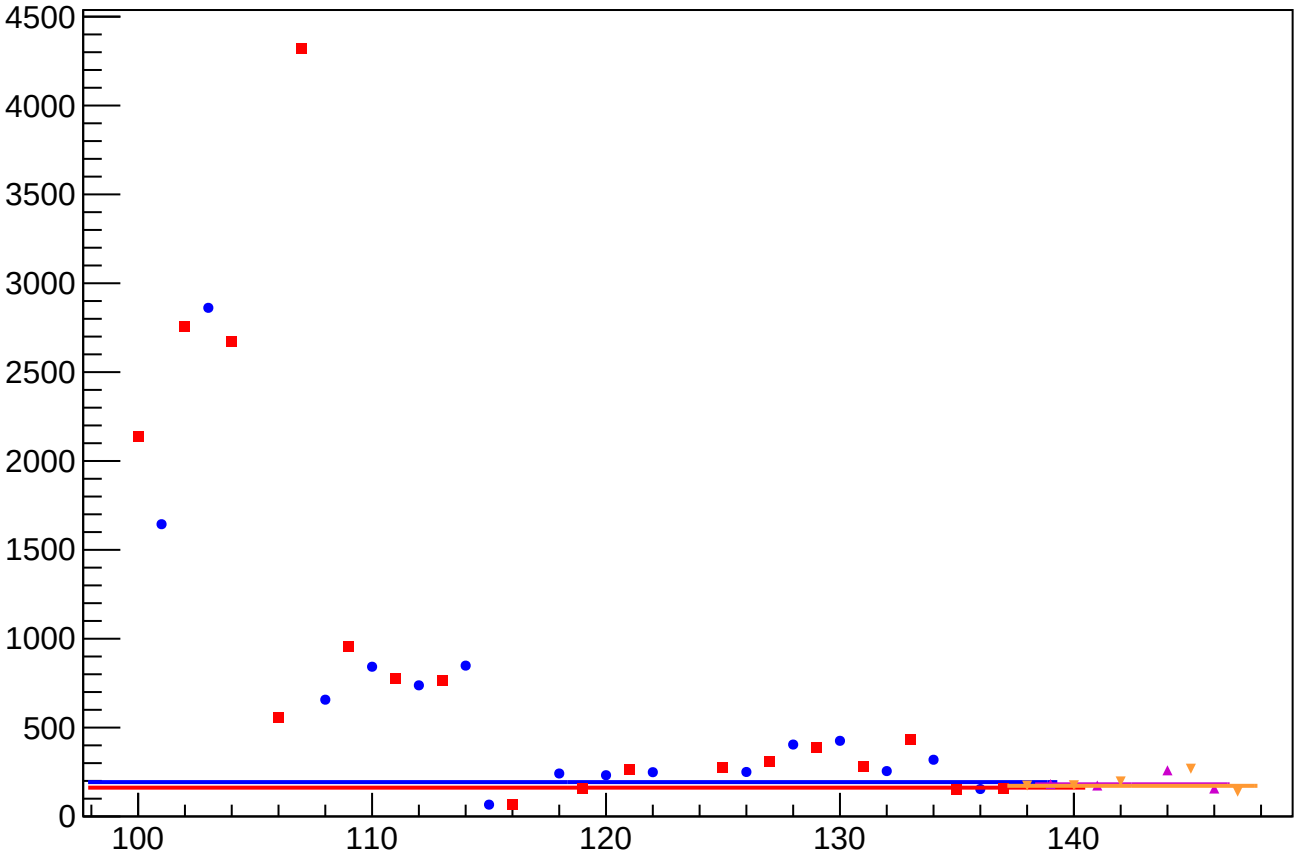
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -71.405+/-98.565 χ^2/NDF:4.3/3

\+ sign -76.149+/-65.402 χ^2/NDF: 29.7/20

All: -78.041+/-46.046 χ^2/NDF: 48.9/42

\- sign -79.900+/-64.838 χ^2/NDF: 19.3/21



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 172.339+/-0.065 χ^2/NDF:300394.6/4

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

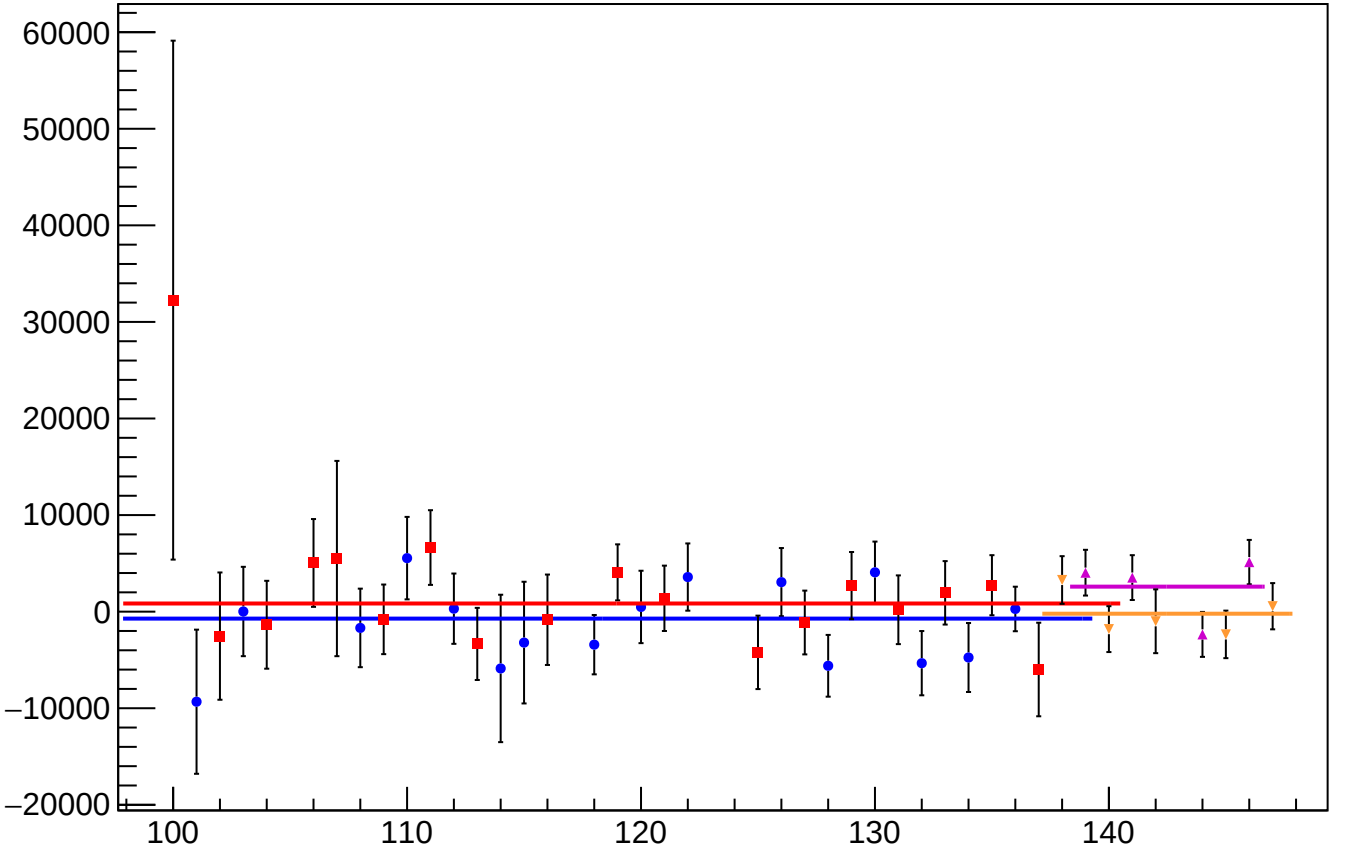
Left In: 180.784+/-0.070 χ^2/NDF:200983.9/3

+ sign 182.815+/-0.046 χ^2/NDF: 5969407.7/20

All: 176.449+/-0.033 χ^2/NDF: 13319229.4/42

- sign 170.192+/-0.046 χ^2/NDF: 7312245.5/21

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -212.779+/-1137.361 χ^2/NDF:3.4/4

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

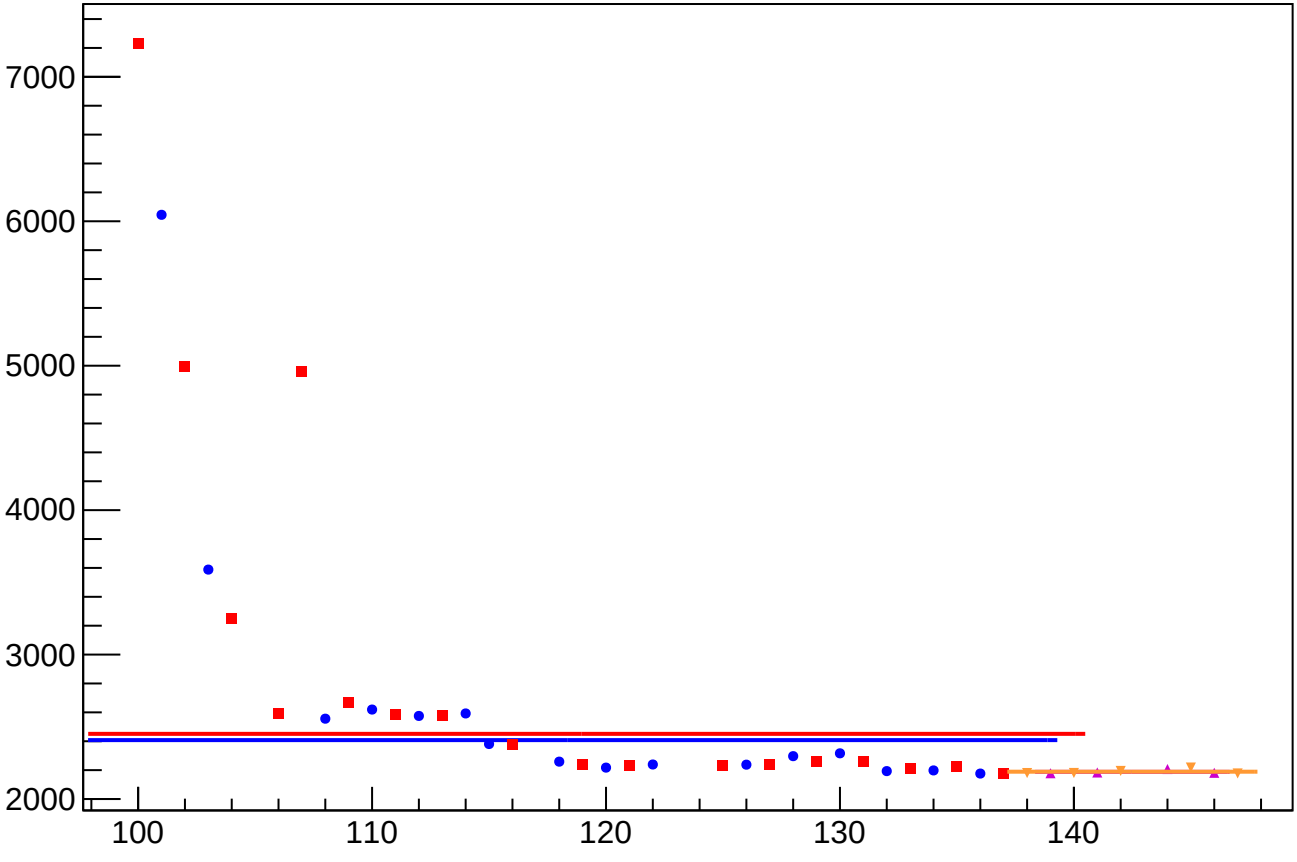
Left In: 2590.075+/-1163.836 χ^2/NDF:6.3/3

+ sign -520.118+/-713.510 χ^2/NDF: 19.3/20

All: 484.217+/-508.857 χ^2/NDF: 43.9/42

- sign 1523.776+/-725.914 χ^2/NDF: 20.6/21

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.173+/-0.804 χ^2/NDF:384.5/4

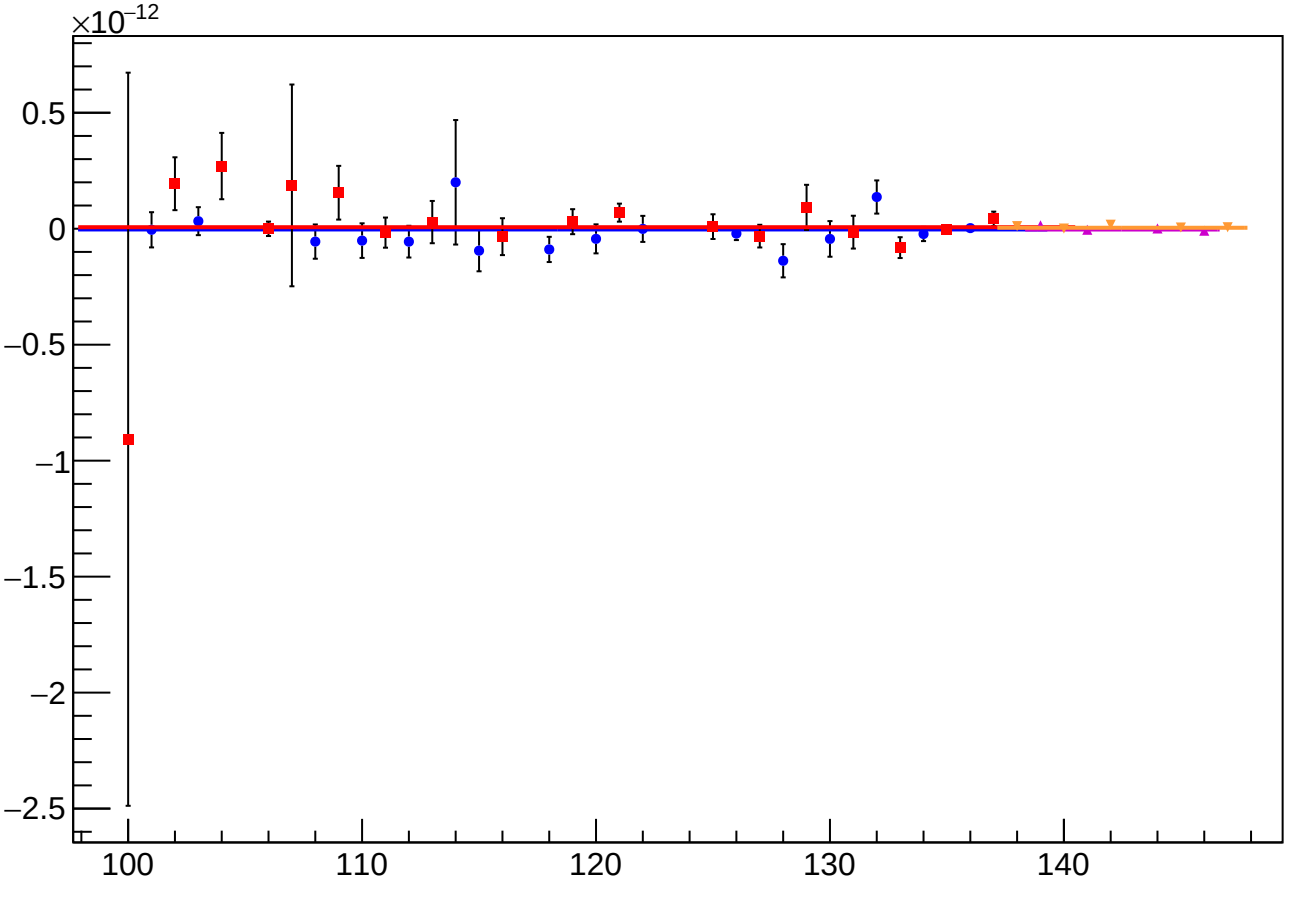
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.965+/-0.823 χ^2/NDF:198.3/3

+ sign 2321.755+/-0.505 χ^2/NDF: 722089.7/20

All: 2335.038+/-0.360 χ^2/NDF: 1419803.9/42

- sign 2348.786+/-0.513 χ^2/NDF: 696303.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/4

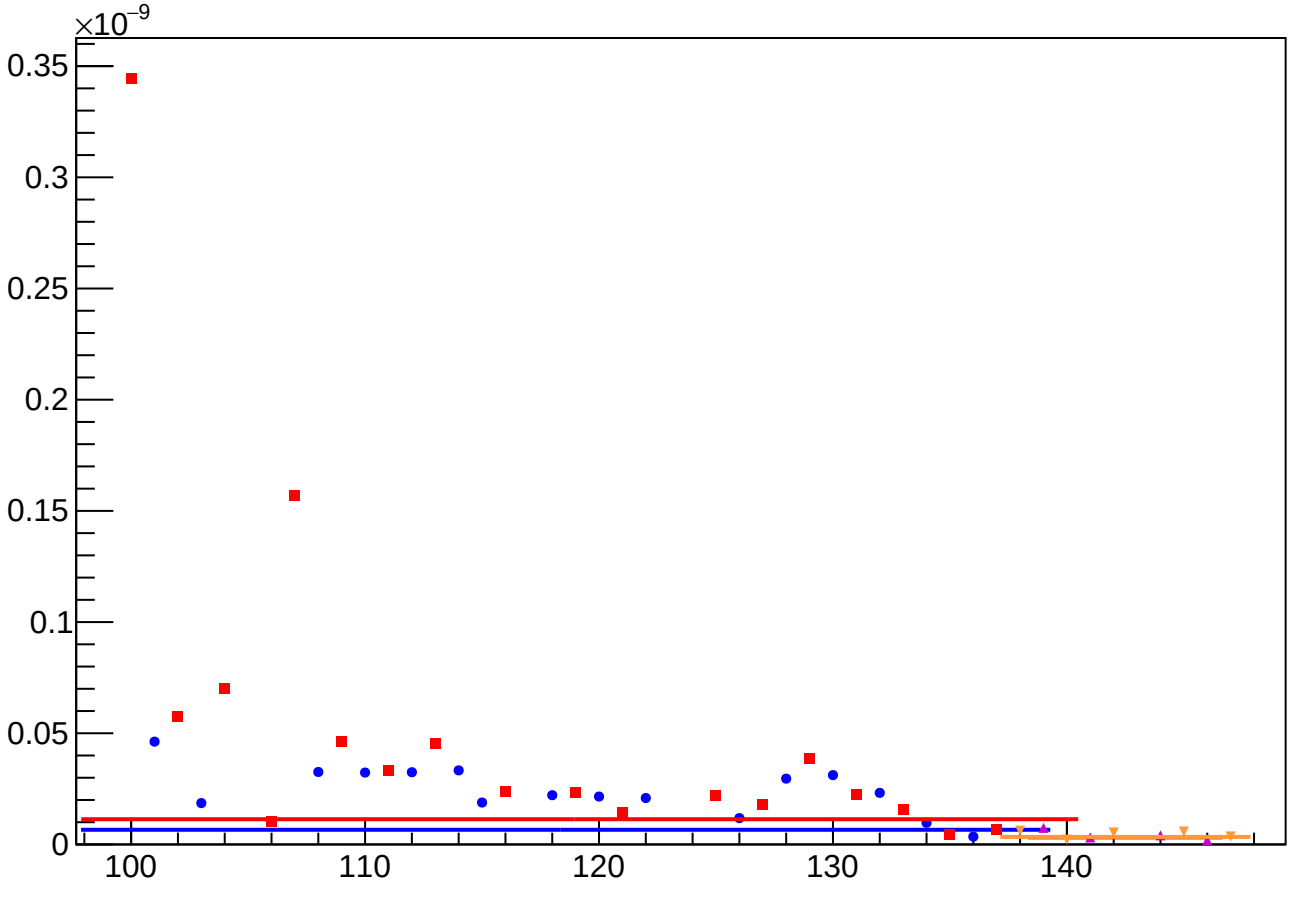
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/42

- sign -0.000+/-0.000 χ^2/NDF: 23.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:510461.5/4

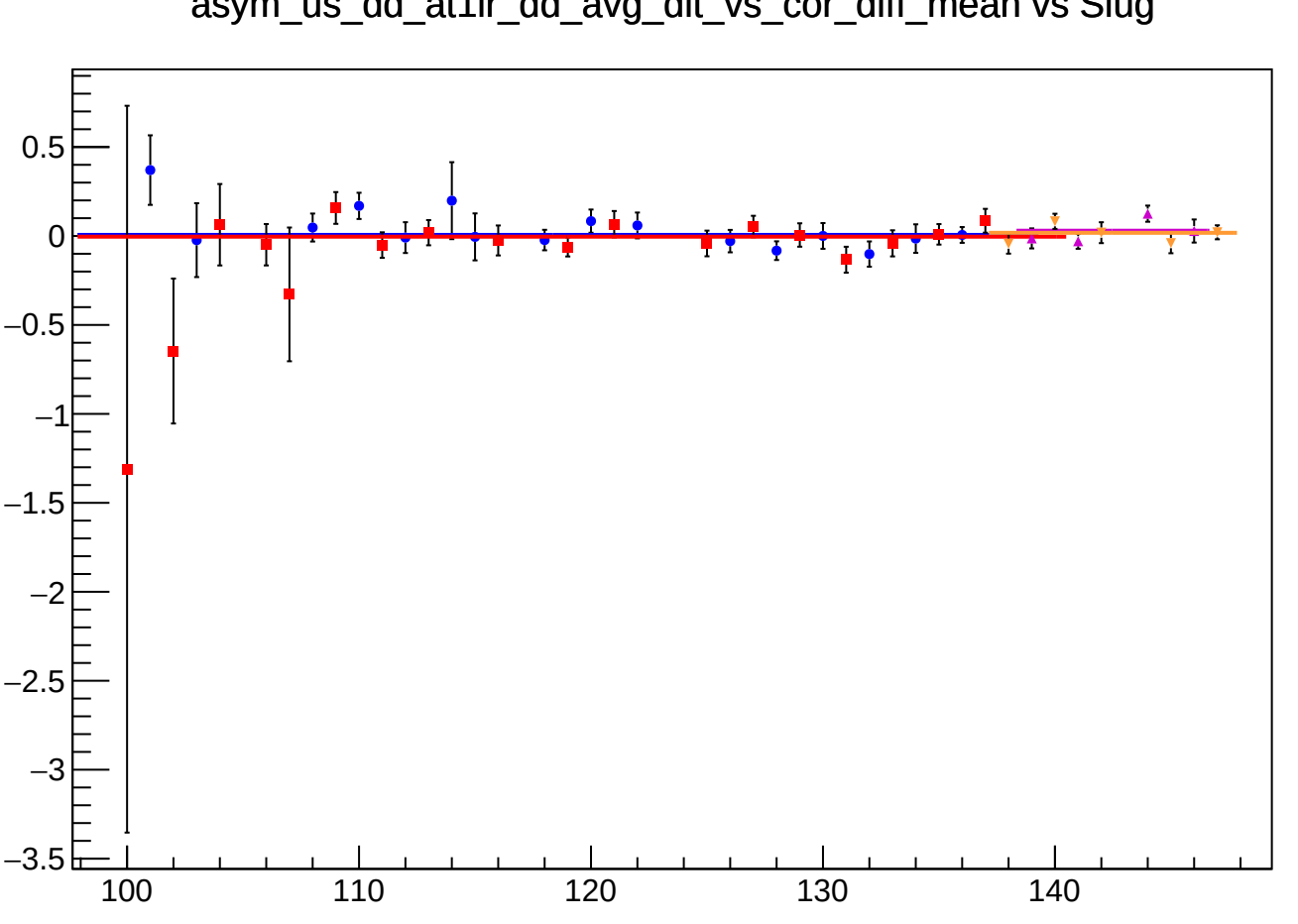
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:422357.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3787670.7/20

All: 0.000+/-0.000 χ^2/NDF: 8173917.5/42

- sign 0.000+/-0.000 χ^2/NDF: 4386175.4/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

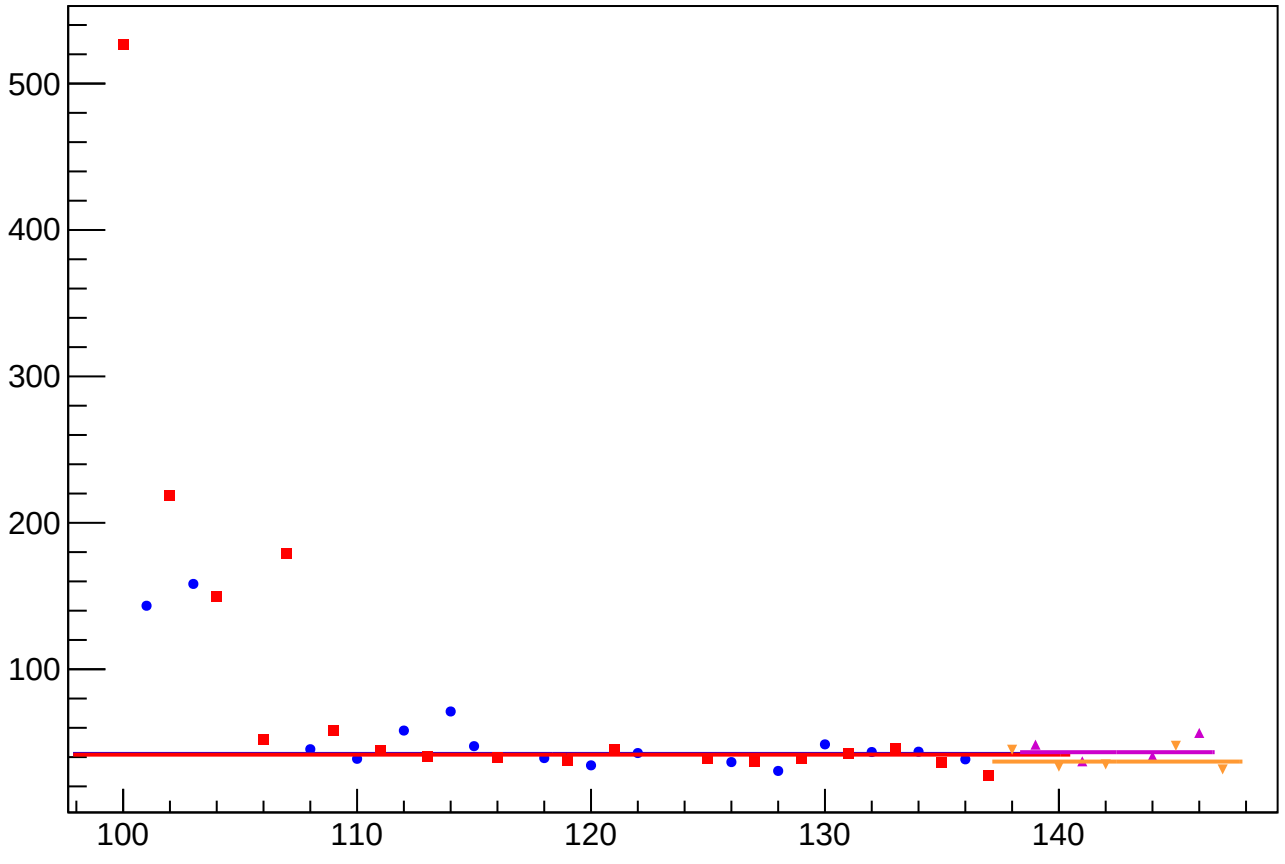
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.010+/-0.010 χ^2/NDF: 46.4/42

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166422.9/4

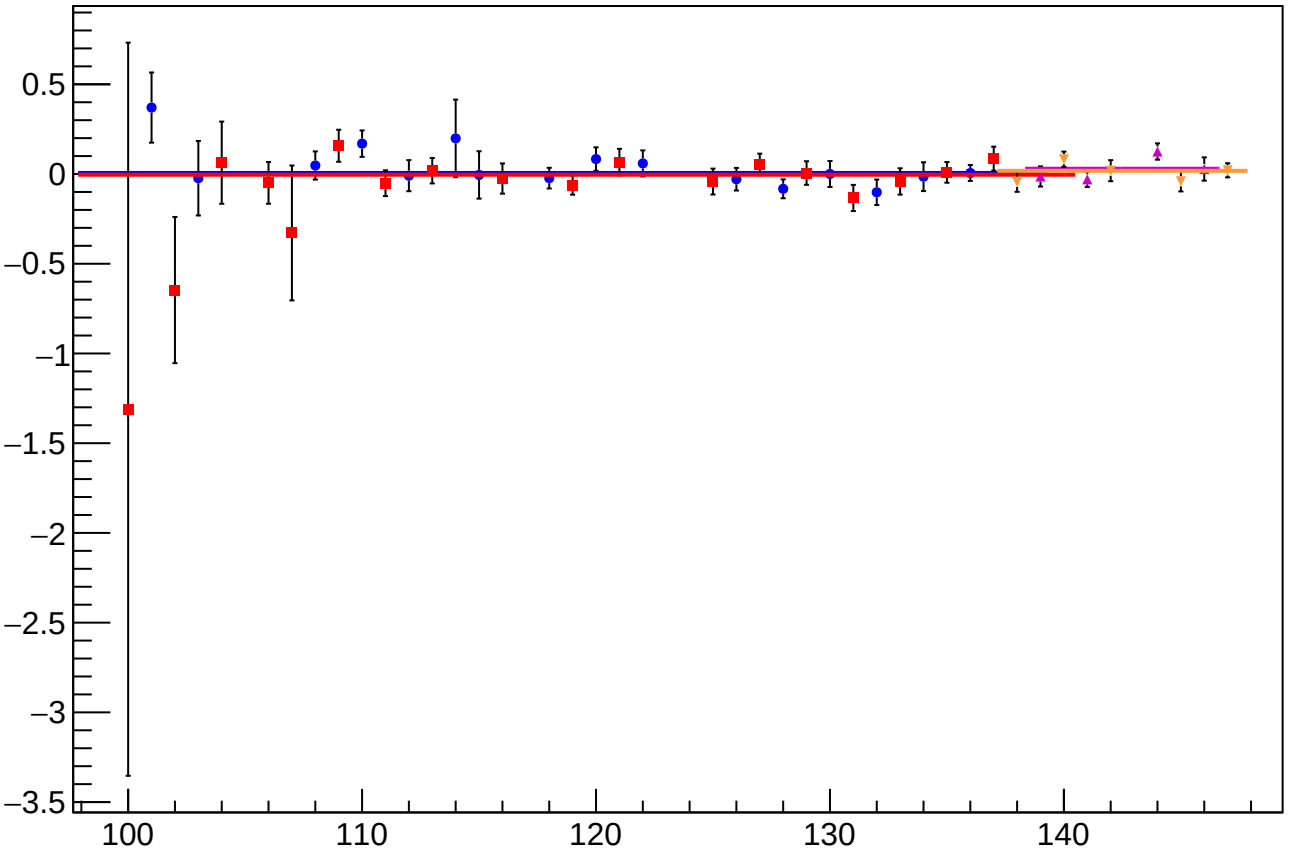
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

+ sign 40.007+/-0.010 χ^2/NDF: 1688371.1/20

All: 41.069+/-0.007 χ^2/NDF: 3308762.1/42

- sign 42.280+/-0.011 χ^2/NDF: 1595681.8/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

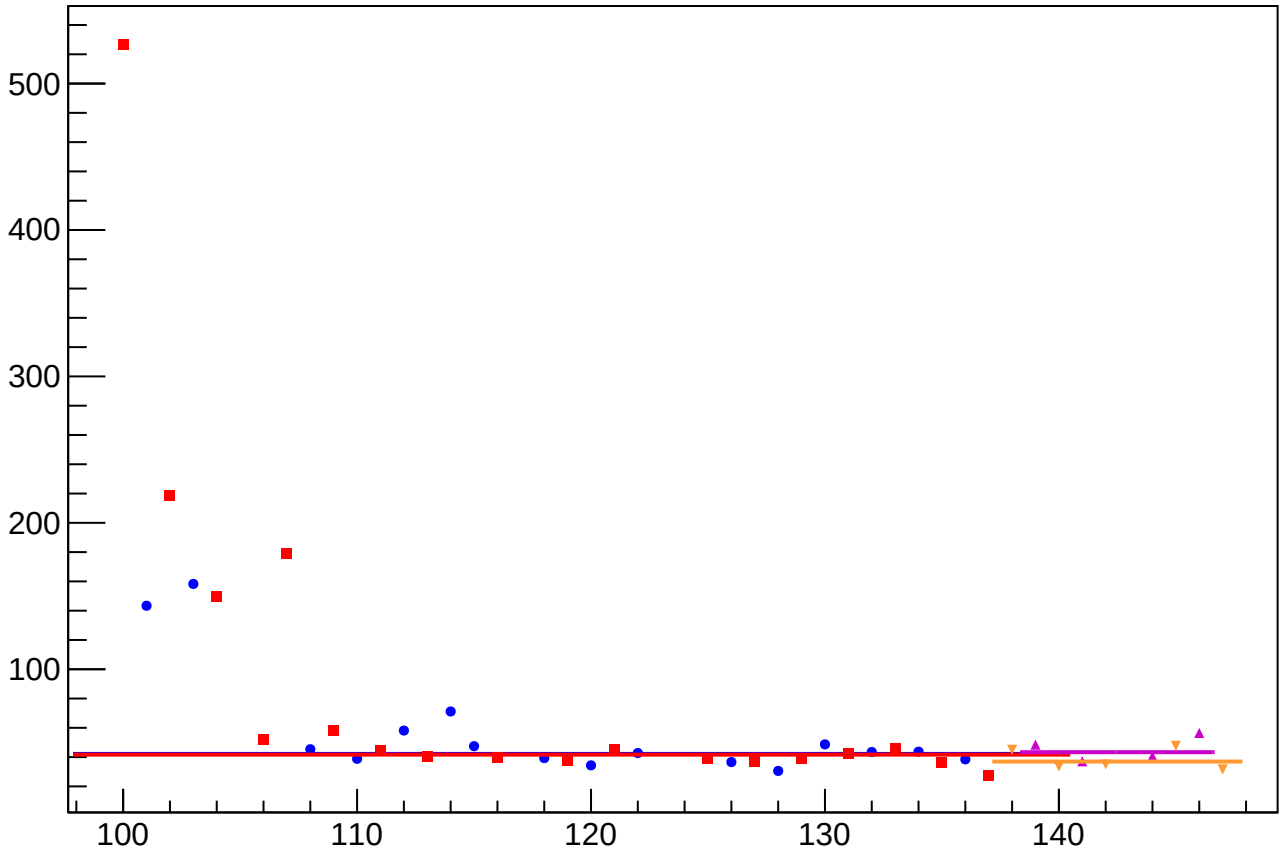
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.010+/-0.010 χ^2/NDF: 46.4/42

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166422.9/4

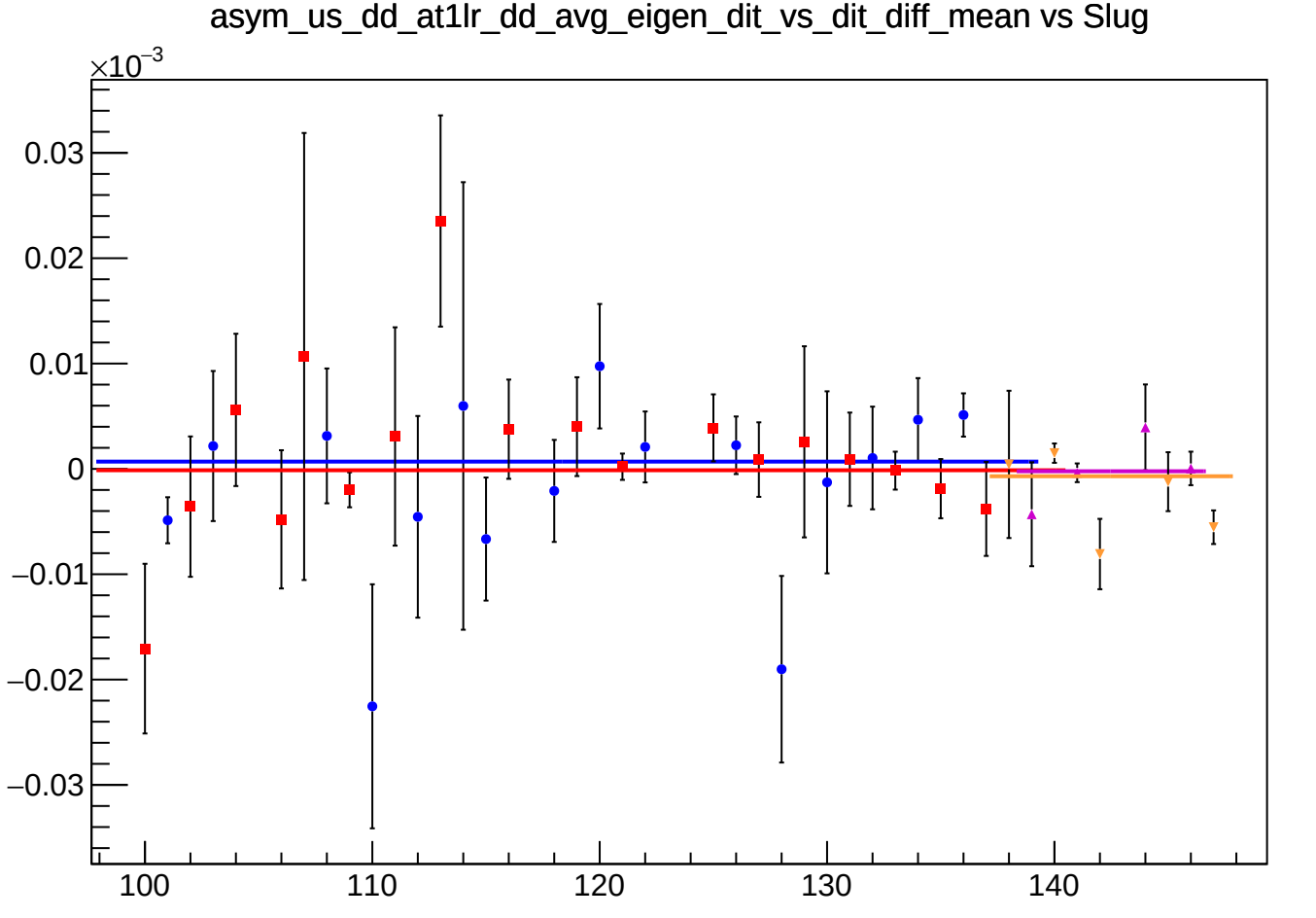
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

+ sign 40.007+/-0.010 χ^2/NDF: 1688371.1/20

All: 41.069+/-0.007 χ^2/NDF: 3308762.1/42

- sign 42.280+/-0.011 χ^2/NDF: 1595681.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/4

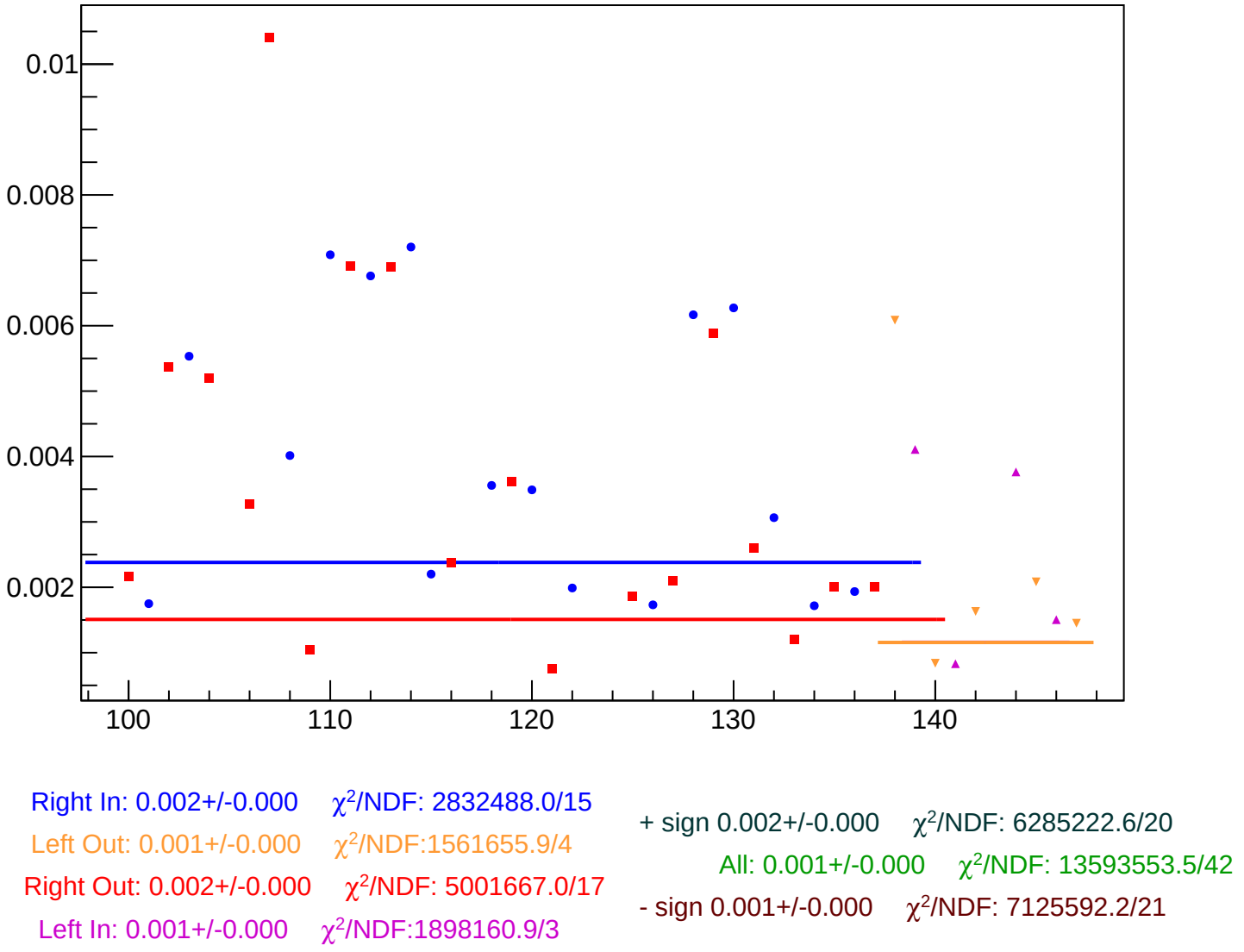
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

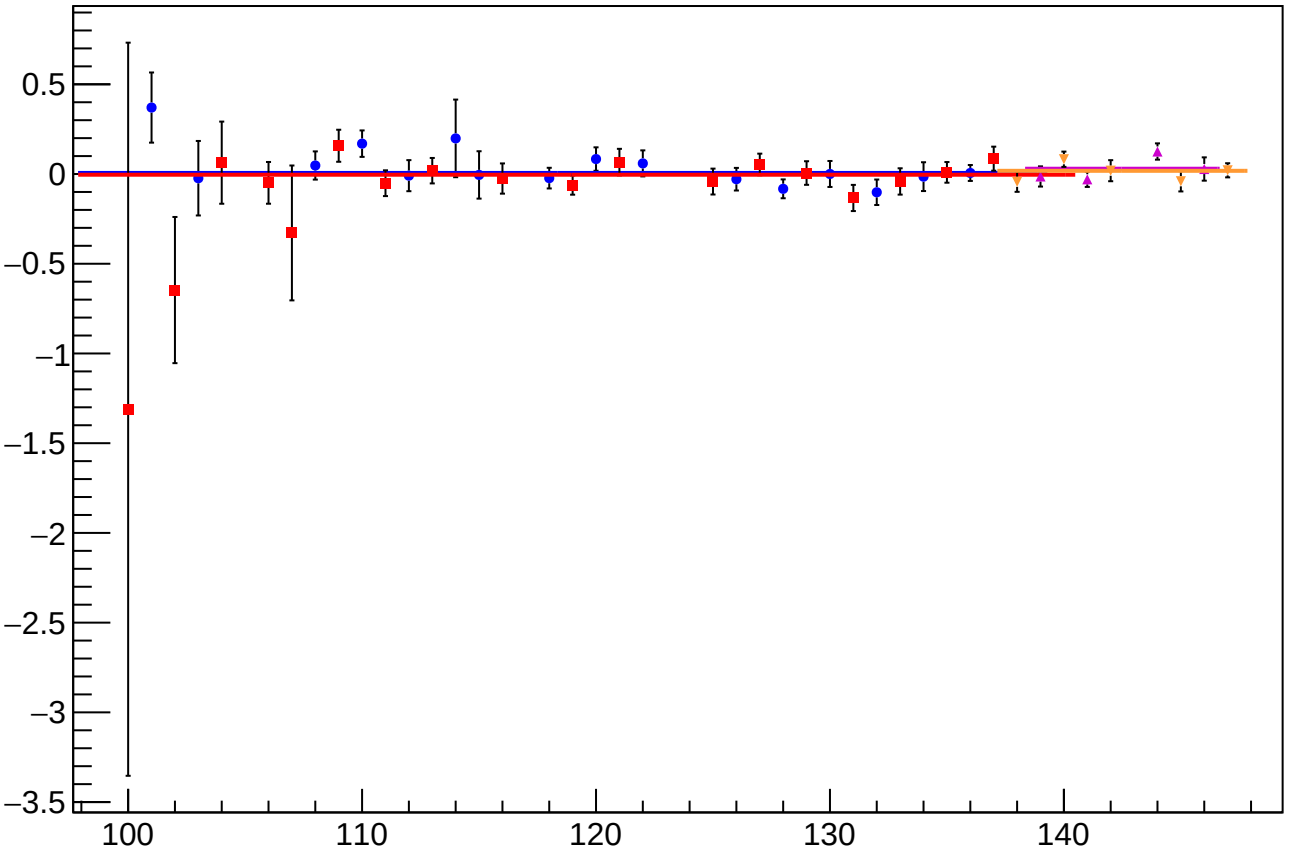
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 47.6/20

All: -0.000+/-0.000 χ^2/NDF: 66.8/42

- sign -0.000+/-0.000 χ^2/NDF: 19.2/21


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
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1561655.9/4
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:1898160.9/3
+ sign 0.002+/-0.000 χ²/NDF: 6285222.6/20
All: 0.001+/-0.000 χ²/NDF: 13593553.5/42
- sign 0.001+/-0.000 χ²/NDF: 7125592.2/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

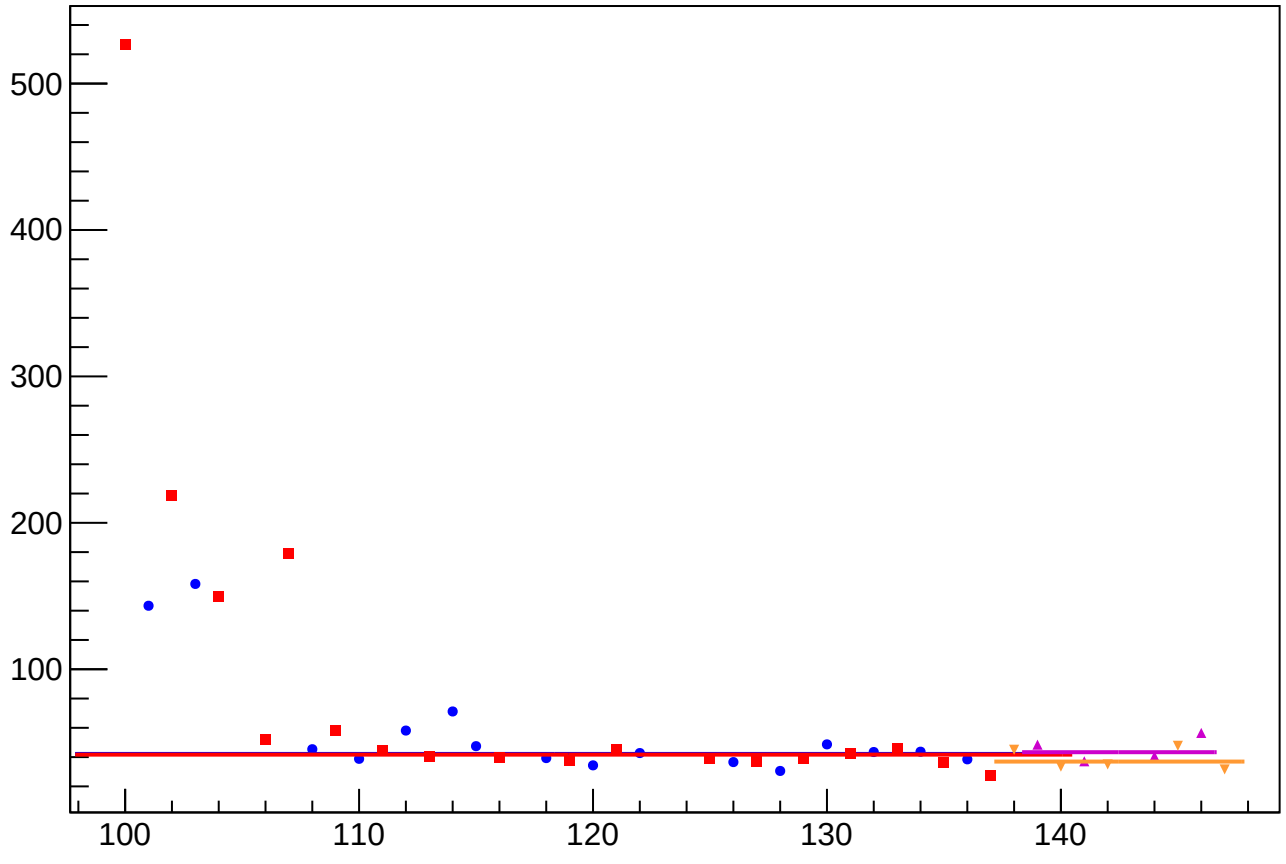
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.010+/-0.010 χ^2/NDF: 46.4/42

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166404.5/4

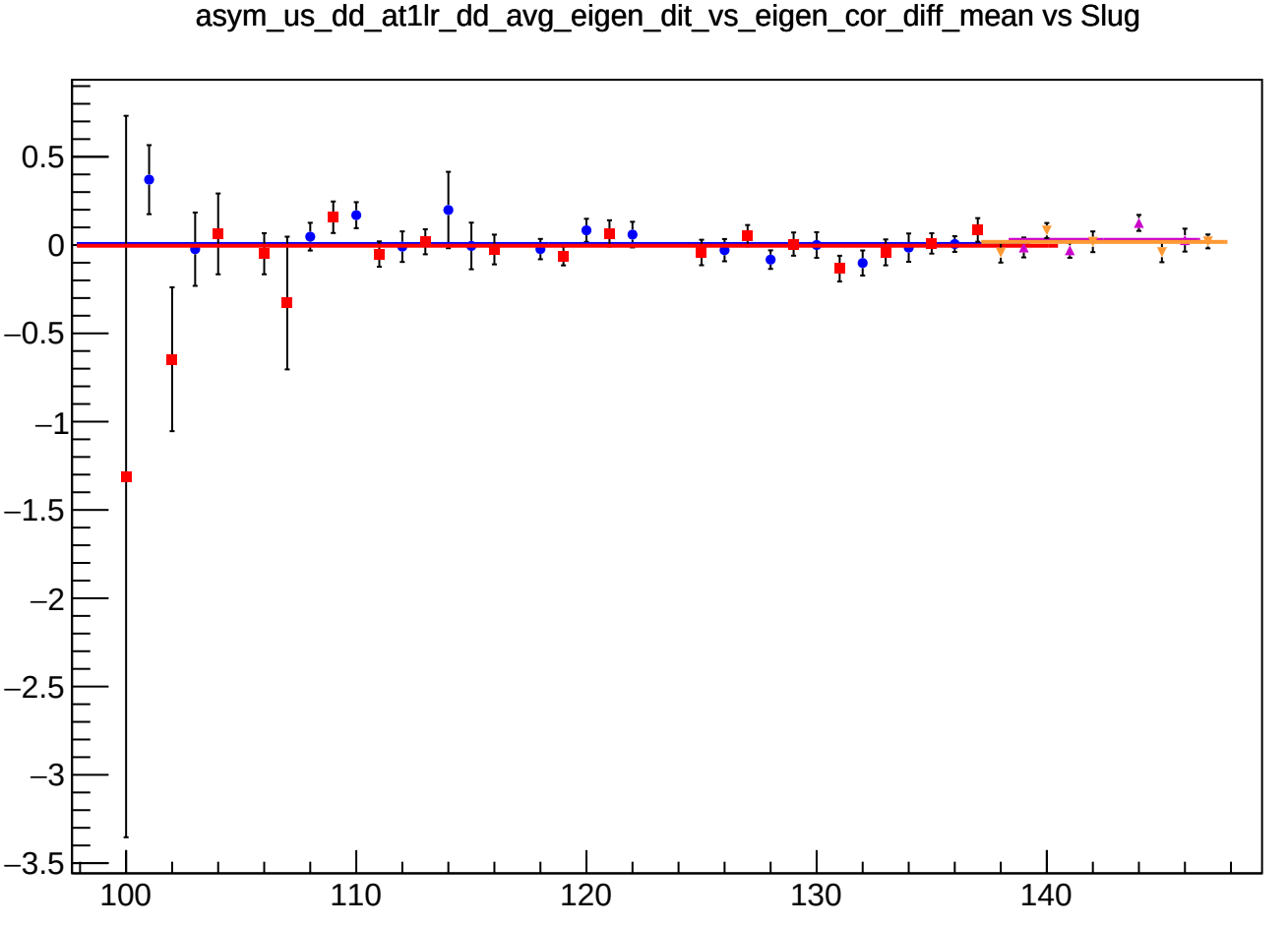
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

+ sign 40.005+/-0.010 χ^2/NDF: 1688500.5/20

All: 41.068+/-0.007 χ^2/NDF: 3308913.0/42

- sign 42.281+/-0.011 χ^2/NDF: 1595666.2/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

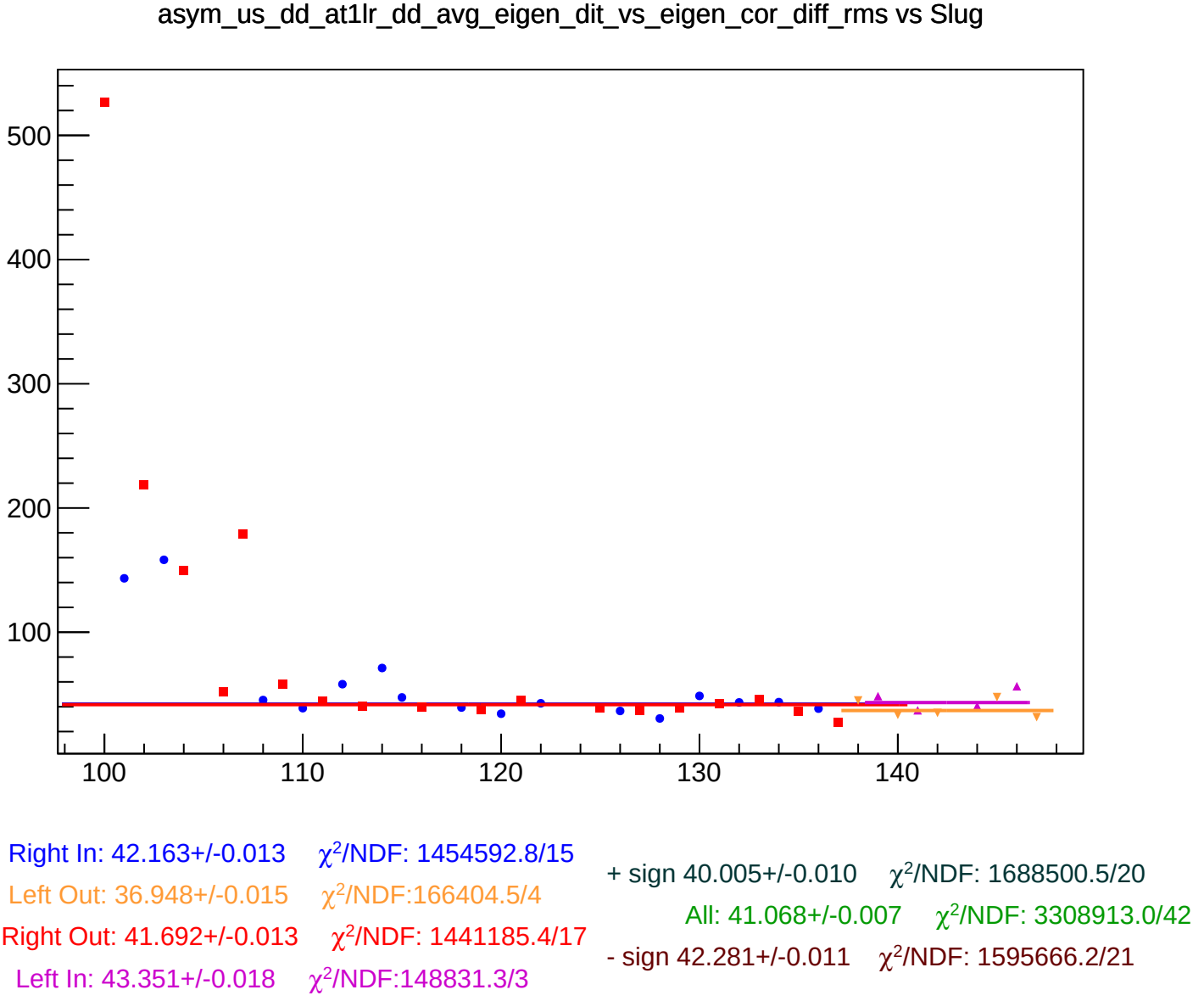
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

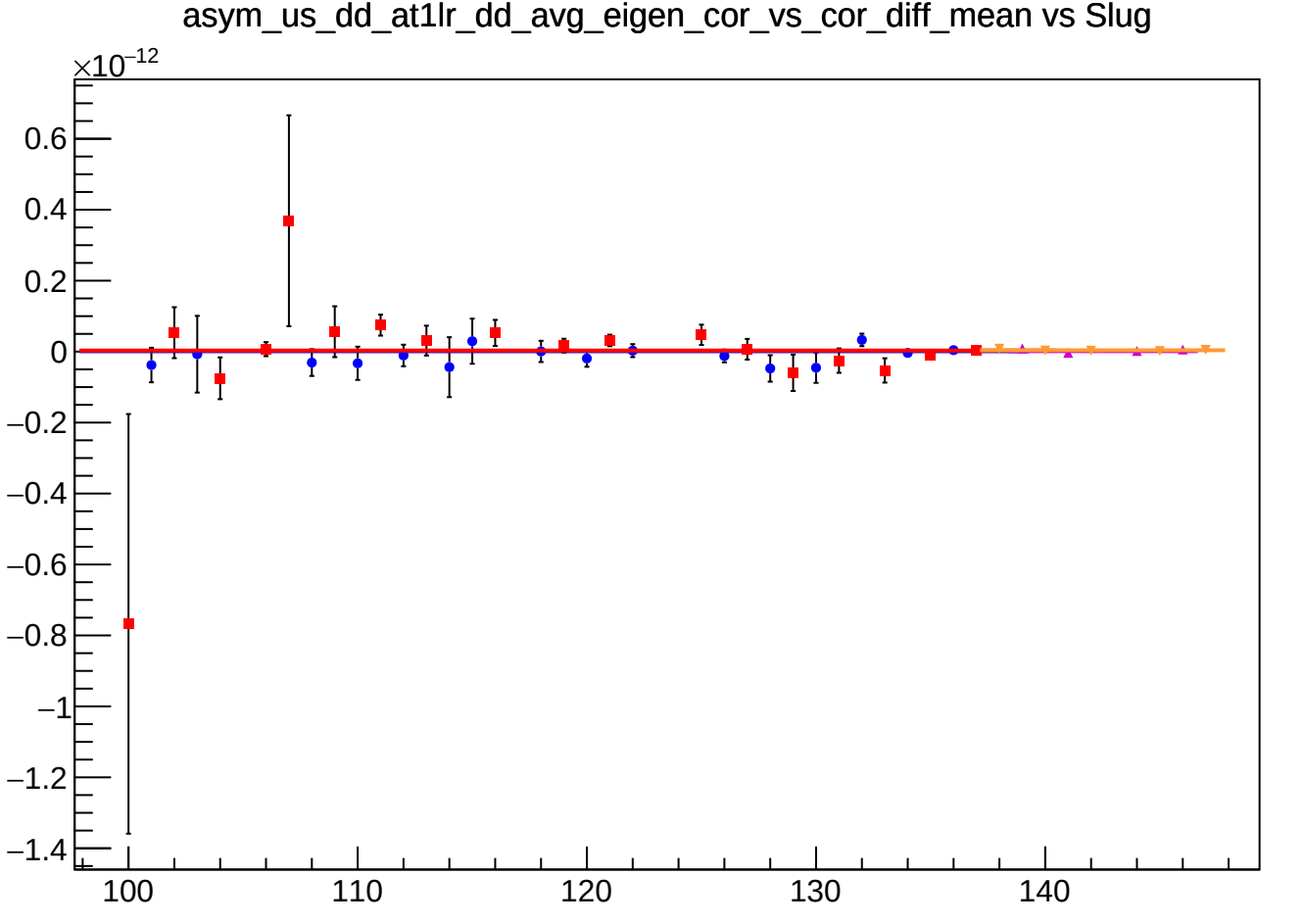
Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.010+/-0.010 χ^2/NDF: 46.4/42

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 36.948+/-0.015 χ²/NDF:166404.5/4
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 43.351+/-0.018 χ²/NDF:148831.3/3
+ sign 40.005+/-0.010 χ²/NDF: 1688500.5/20
All: 41.068+/-0.007 χ²/NDF: 3308913.0/42
- sign 42.281+/-0.011 χ²/NDF: 1595666.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/4

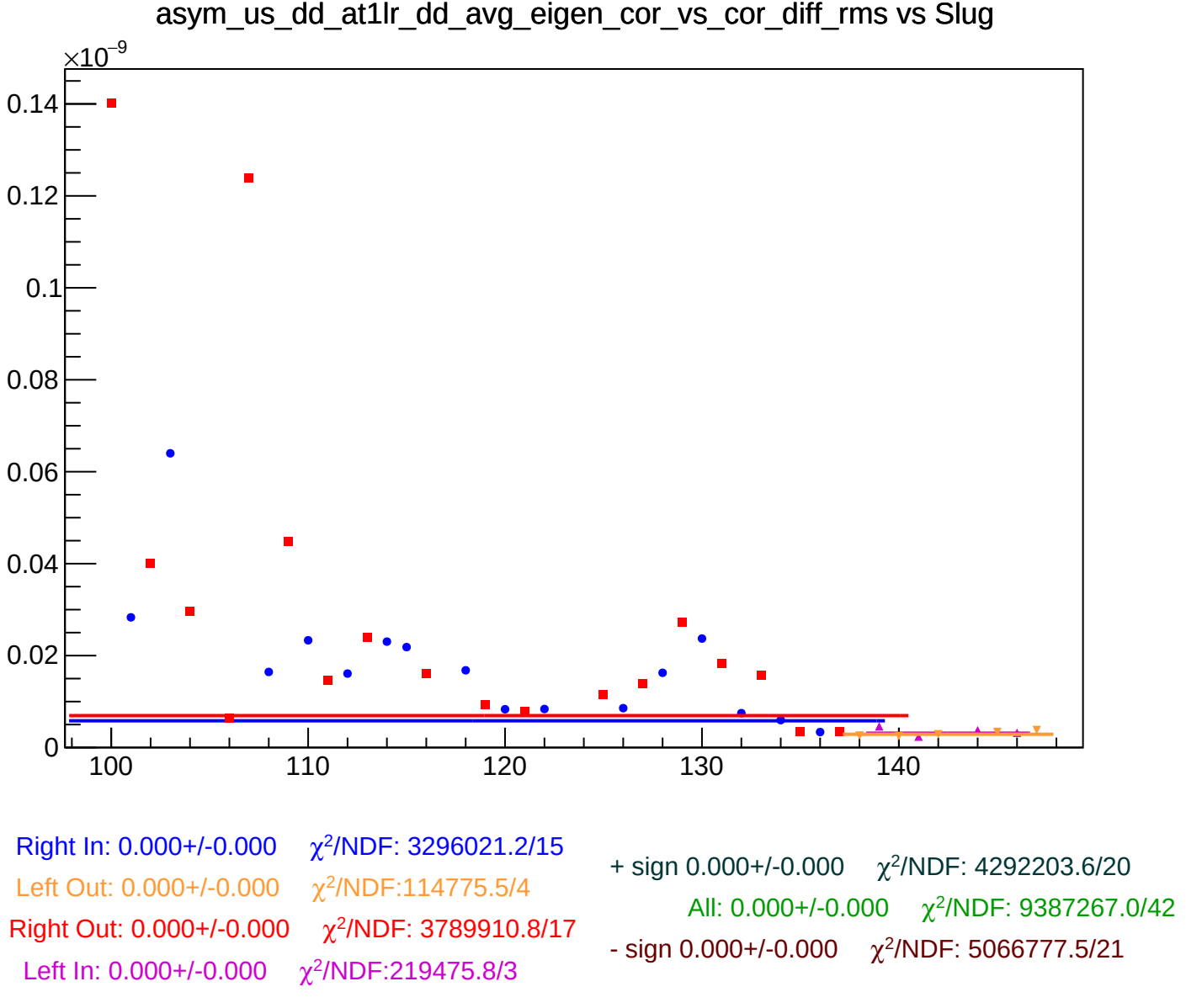
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

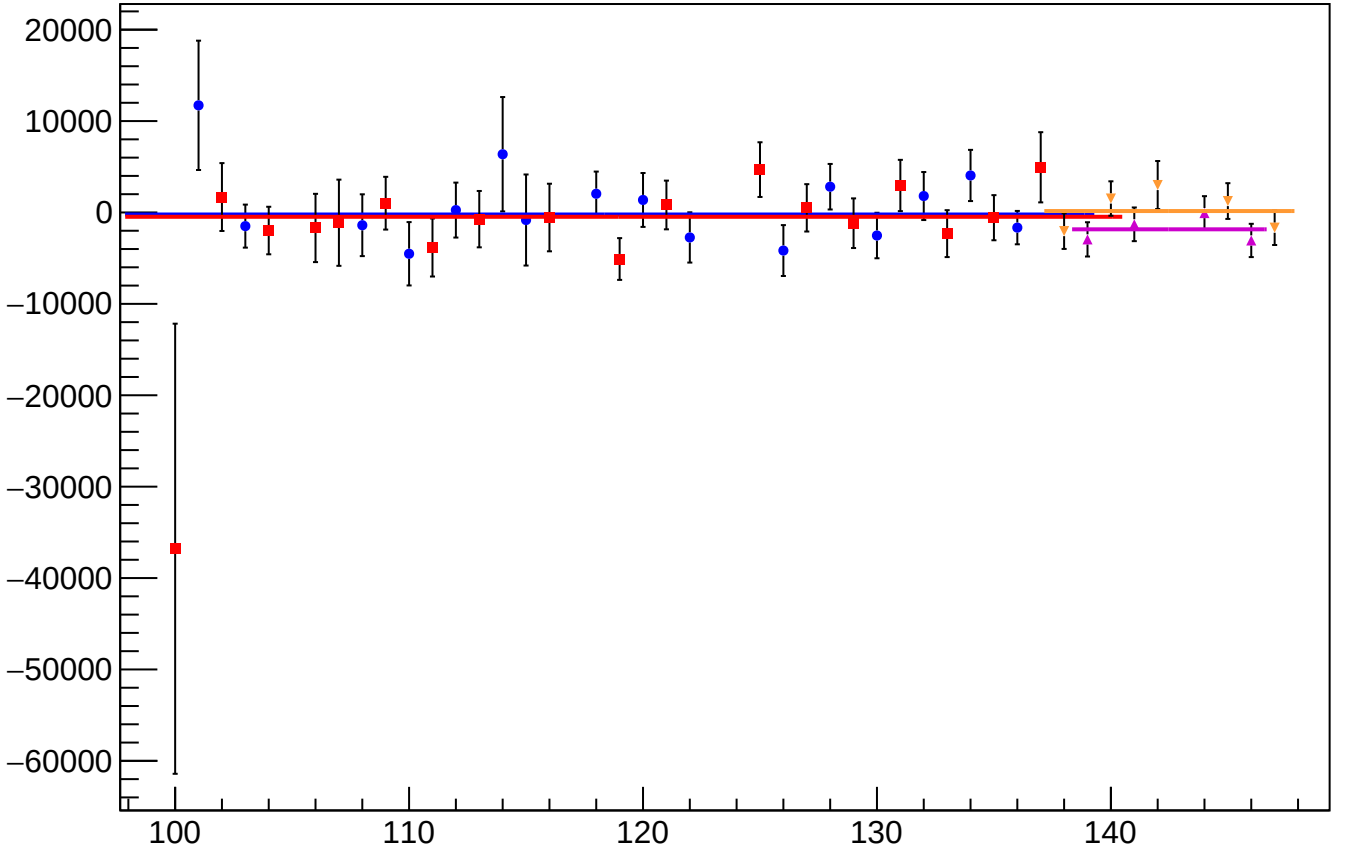
+ sign 0.000+/-0.000 χ^2/NDF: 12.2/20

All: 0.000+/-0.000 χ^2/NDF: 45.7/42

- sign 0.000+/-0.000 χ^2/NDF: 33.2/21


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
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:114775.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:219475.8/3
+ sign 0.000+/-0.000 χ²/NDF: 4292203.6/20
All: 0.000+/-0.000 χ²/NDF: 9387267.0/42
- sign 0.000+/-0.000 χ²/NDF: 5066777.5/21

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 155.304+/-901.892 χ^2/NDF:4.2/4

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

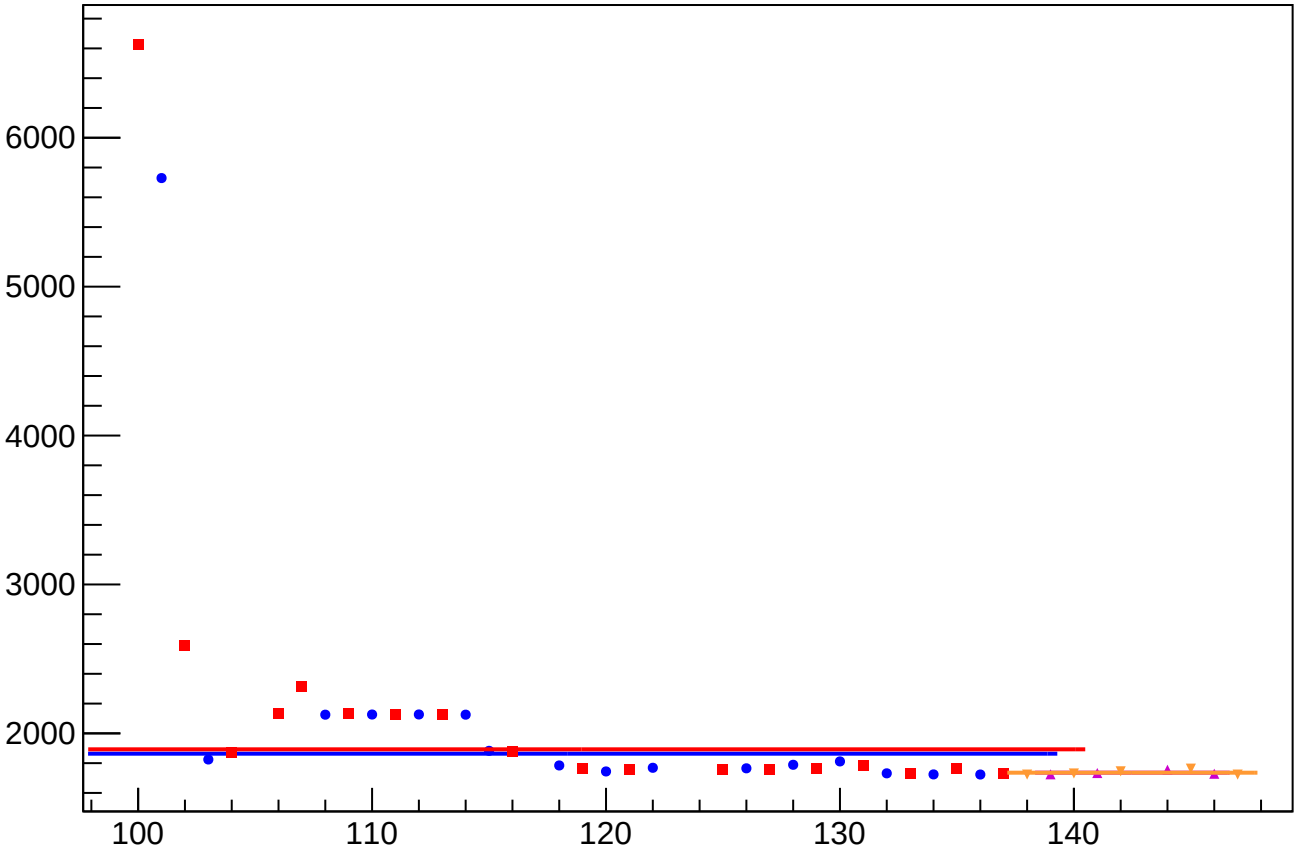
Left In: -1844.081+/-923.399 χ^2/NDF:1.8/3

+ sign -78.456+/-557.461 χ^2/NDF: 20.1/20

All: -525.973+/-396.333 χ^2/NDF: 40.5/42

- sign -983.379+/-563.588 χ^2/NDF: 19.1/21

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

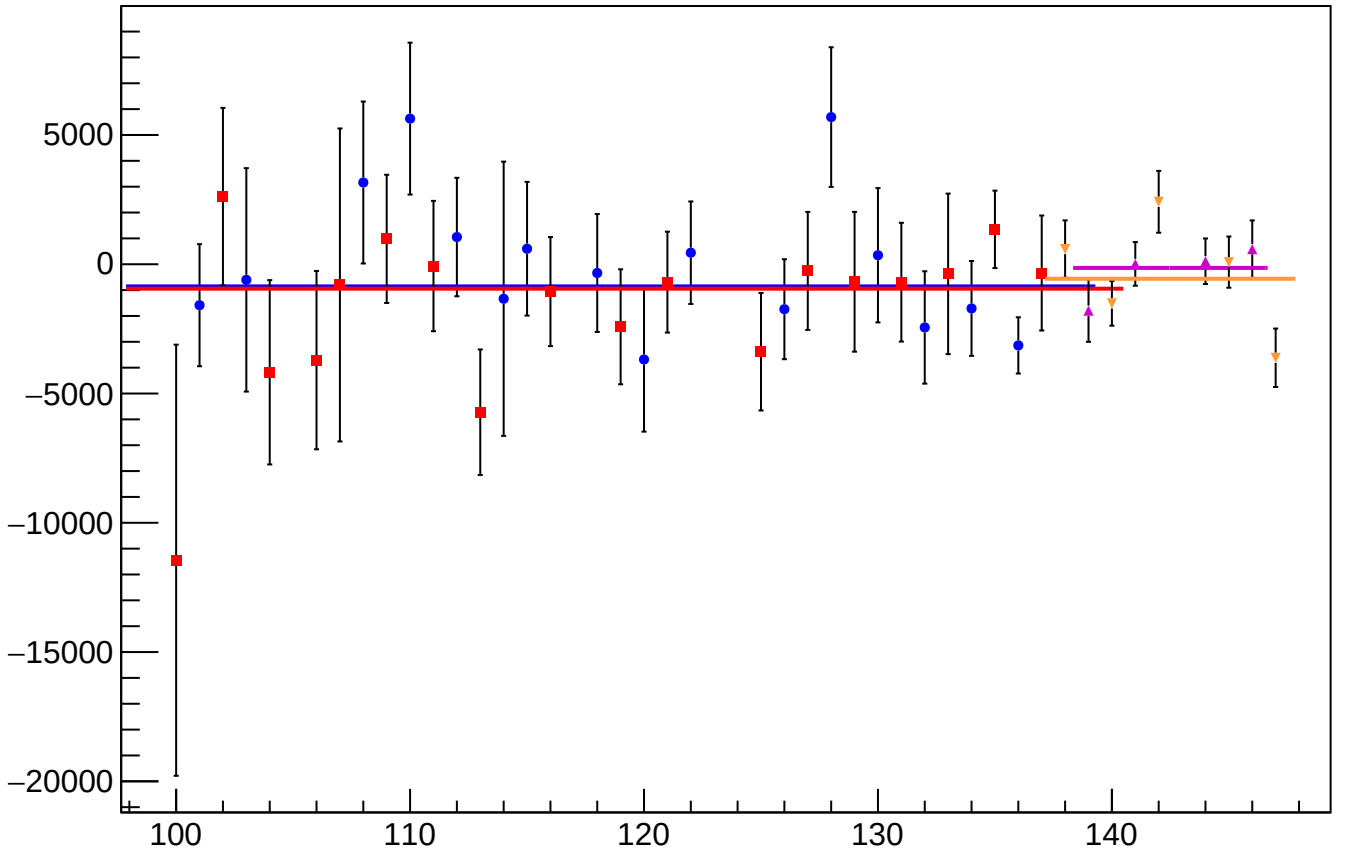
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.5/20

All: 1824.496+/-0.280 χ^2/NDF: 989350.3/42

- sign 1834.405+/-0.399 χ^2/NDF: 288092.7/21



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -560.634+/-463.396 χ^2/NDF:16.2/4

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

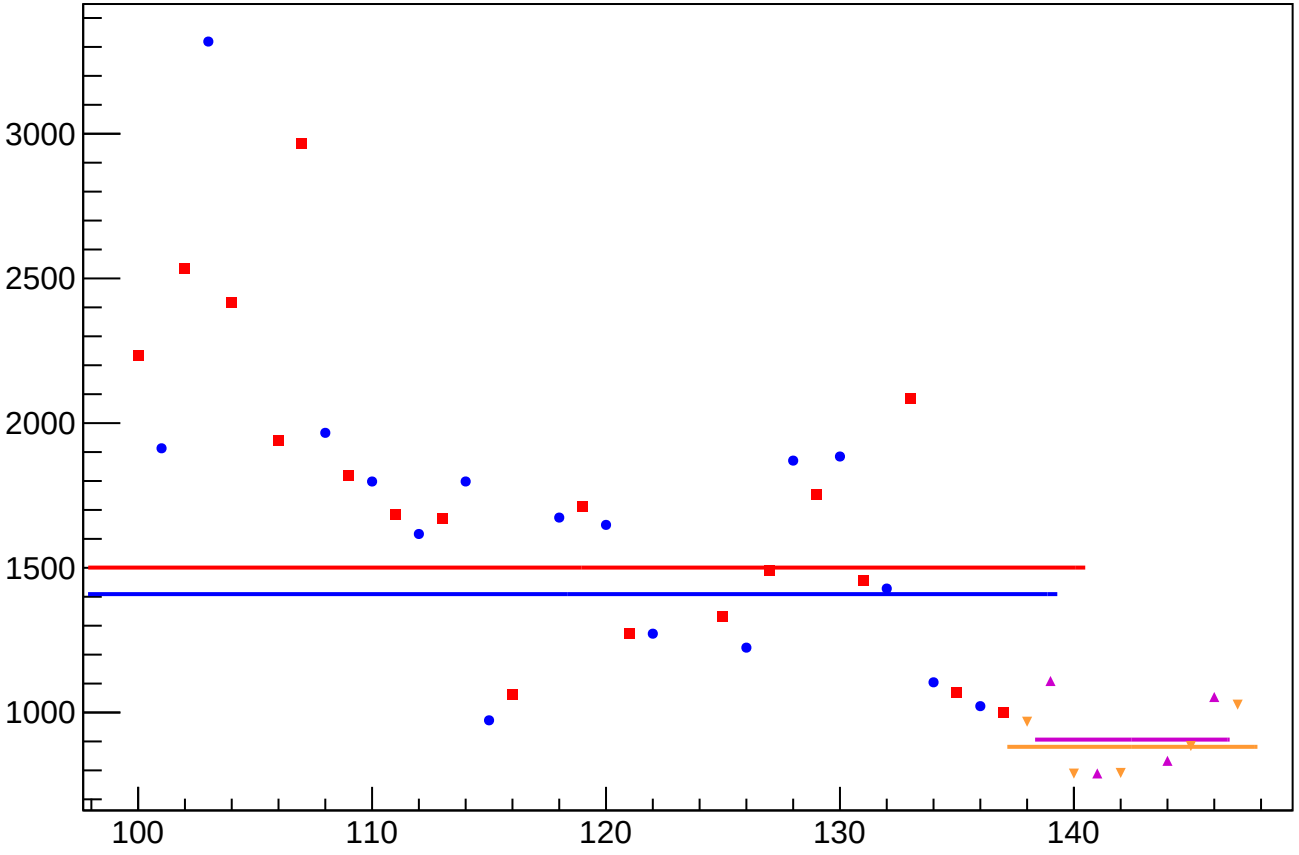
Left In: -141.633+/-488.683 χ^2/NDF:2.4/3

\+ sign -683.850+/-354.325 χ^2/NDF: 37.0/20

All: -584.047+/-257.471 χ^2/NDF: 53.6/42

\- sign -472.395+/-374.771 χ^2/NDF: 16.4/21

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 881.406+/-0.328 χ^2/NDF:79887.4/4

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

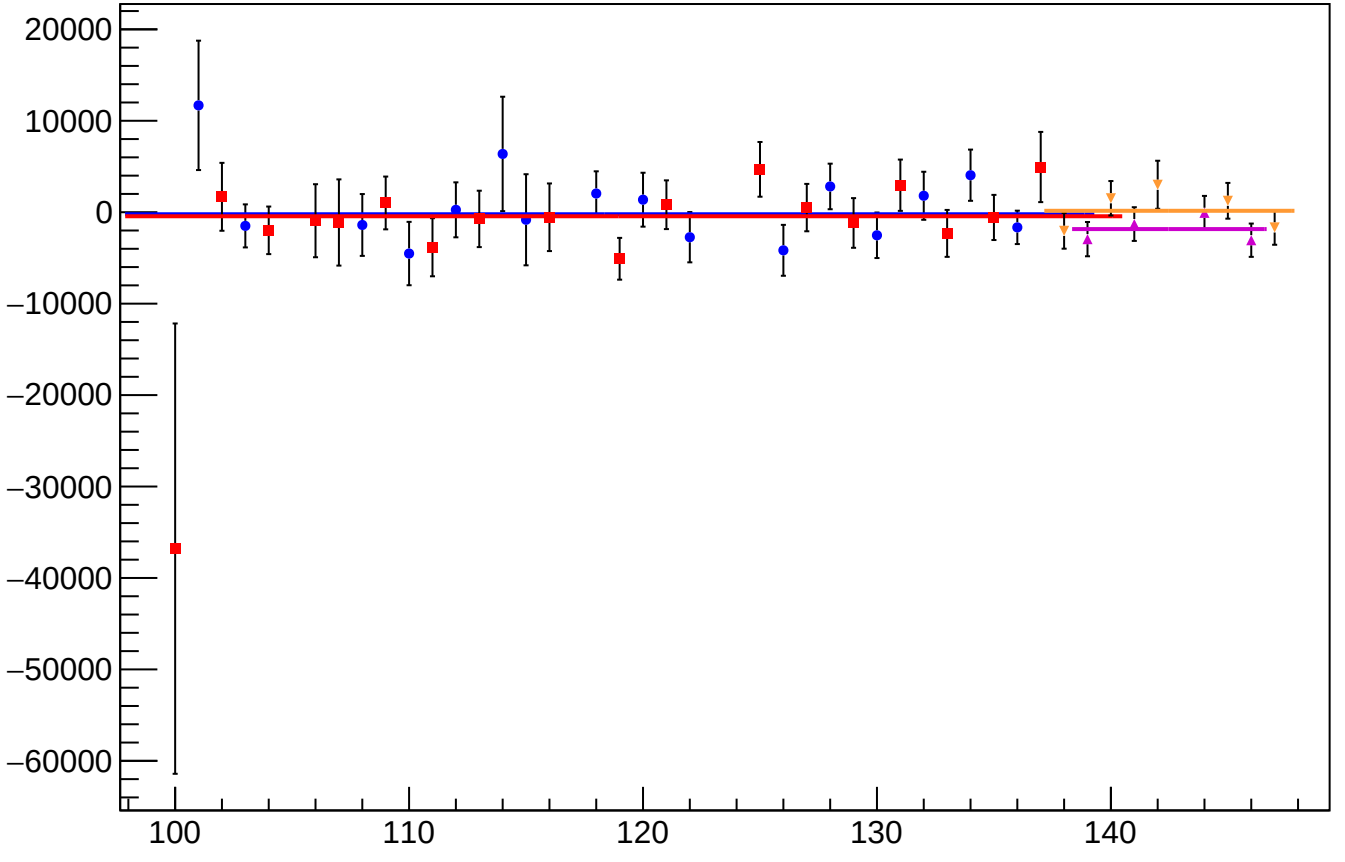
Left In: 906.364+/-0.346 χ^2/NDF:143669.2/3

+ sign 1100.579+/-0.251 χ^2/NDF: 2324781.2/20

All: 1124.467+/-0.182 χ^2/NDF: 4737303.9/42

- sign 1151.192+/-0.265 χ^2/NDF: 2393262.5/21

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

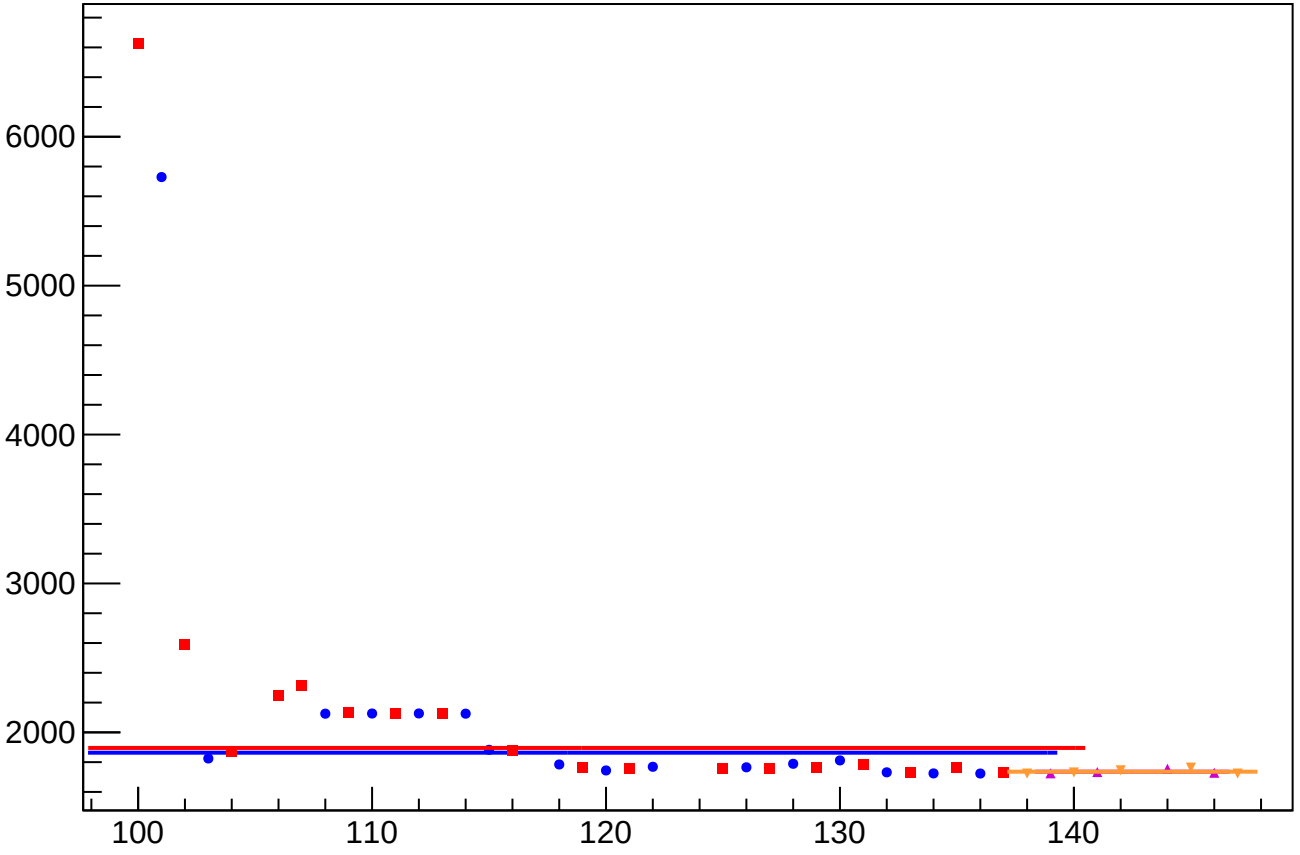
Left In: -1844.060+/-923.399 χ^2/NDF:1.8/3

+ sign -78.878+/-557.461 χ^2/NDF: 20.1/20

All: -517.167+/-396.613 χ^2/NDF: 40.4/42

- sign -966.424+/-564.393 χ^2/NDF: 19.0/21

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

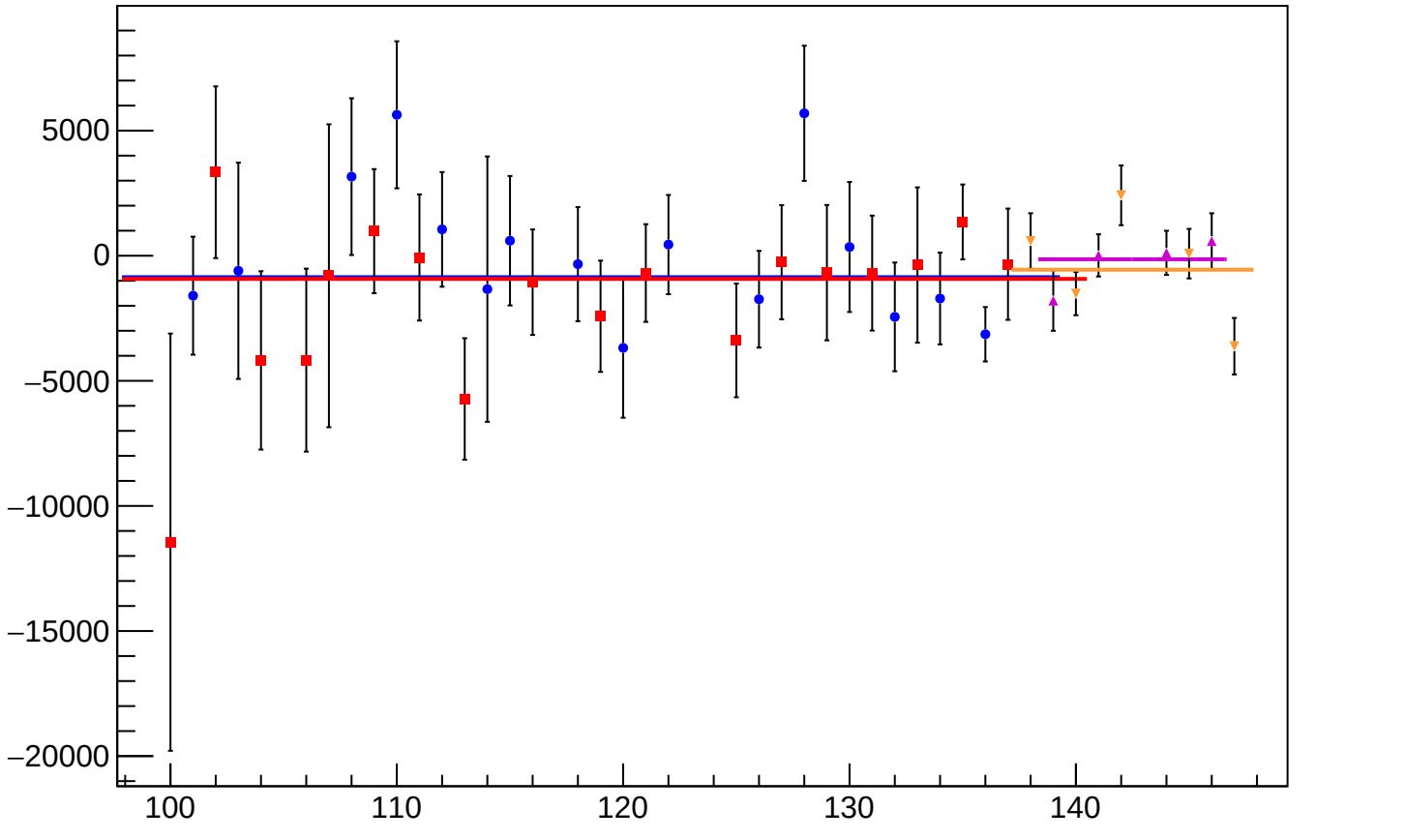
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.4/20

All: 1825.212+/-0.280 χ^2/NDF: 998357.7/42

- sign 1835.883+/-0.399 χ^2/NDF: 296911.0/21



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -560.629+/-463.398 χ^2/NDF:16.2/4

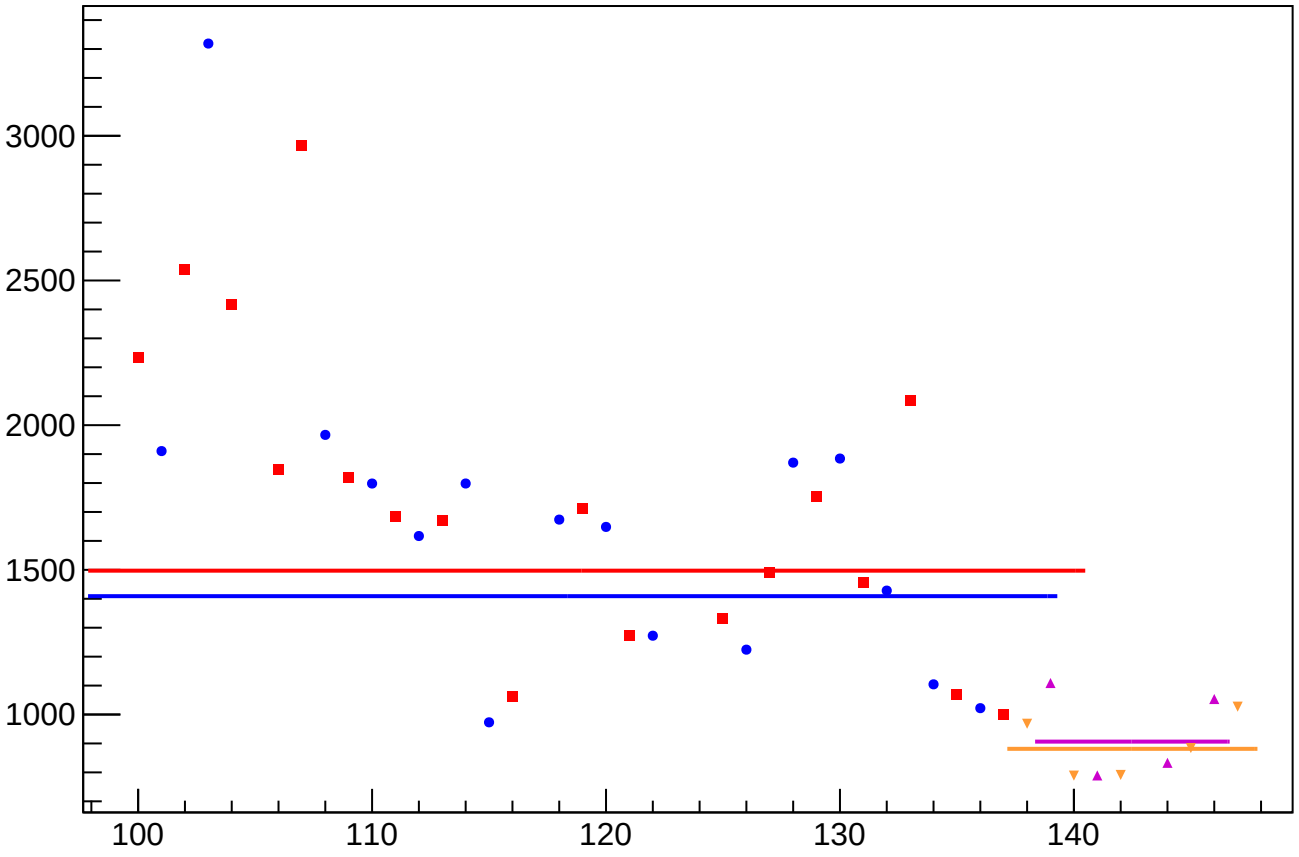
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -141.719+/-488.678 χ^2/NDF:2.4/3

+ sign -684.200+/-354.315 χ^2/NDF: 37.0/20

All: -580.639+/-257.544 χ^2/NDF: 54.2/42

- sign -464.625+/-375.011 χ^2/NDF: 17.0/21



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

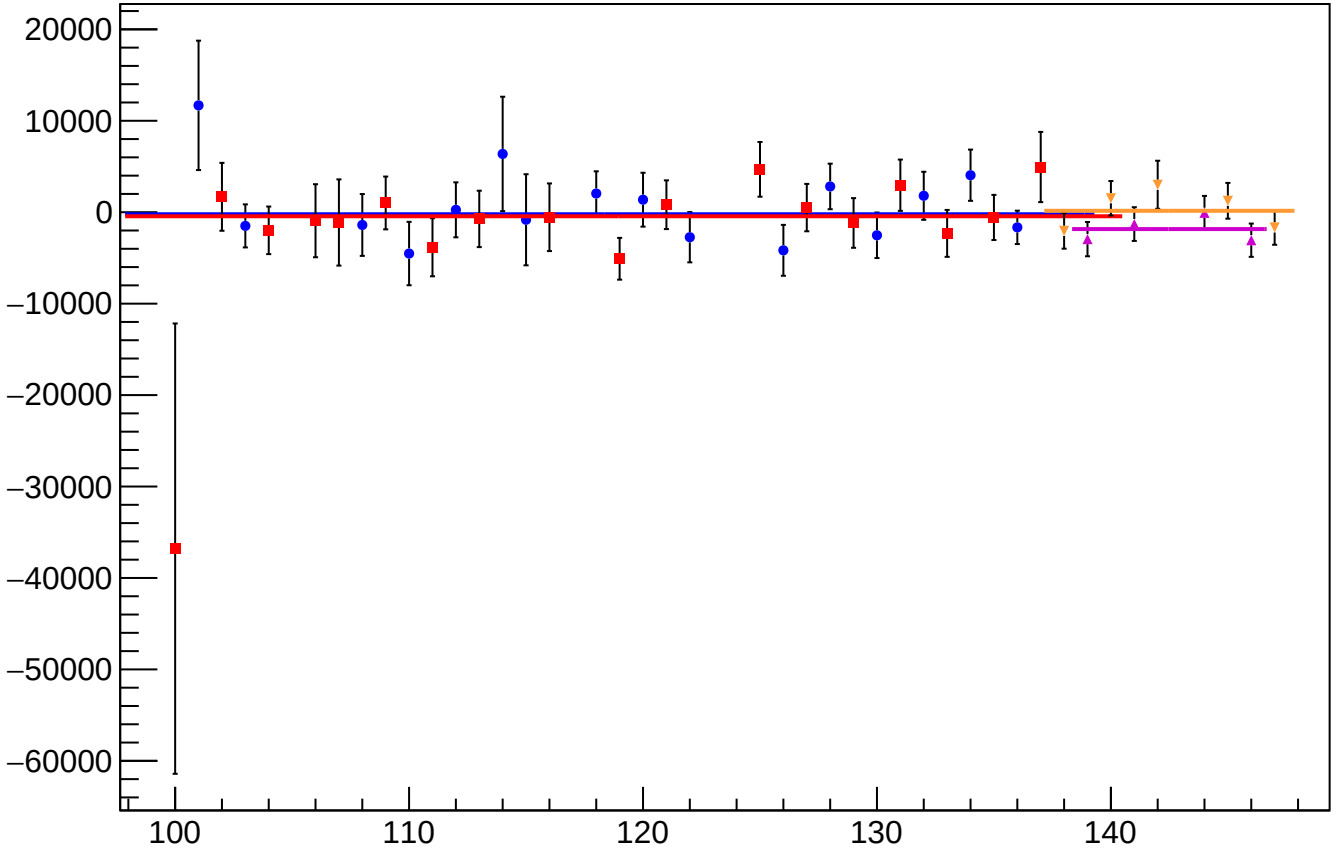
Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

+ sign 1100.572+/-0.251 χ^2/NDF: 2323876.3/20

All: 1123.521+/-0.182 χ^2/NDF: 4705180.9/42

- sign 1149.229+/-0.265 χ^2/NDF: 2363514.7/21

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: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

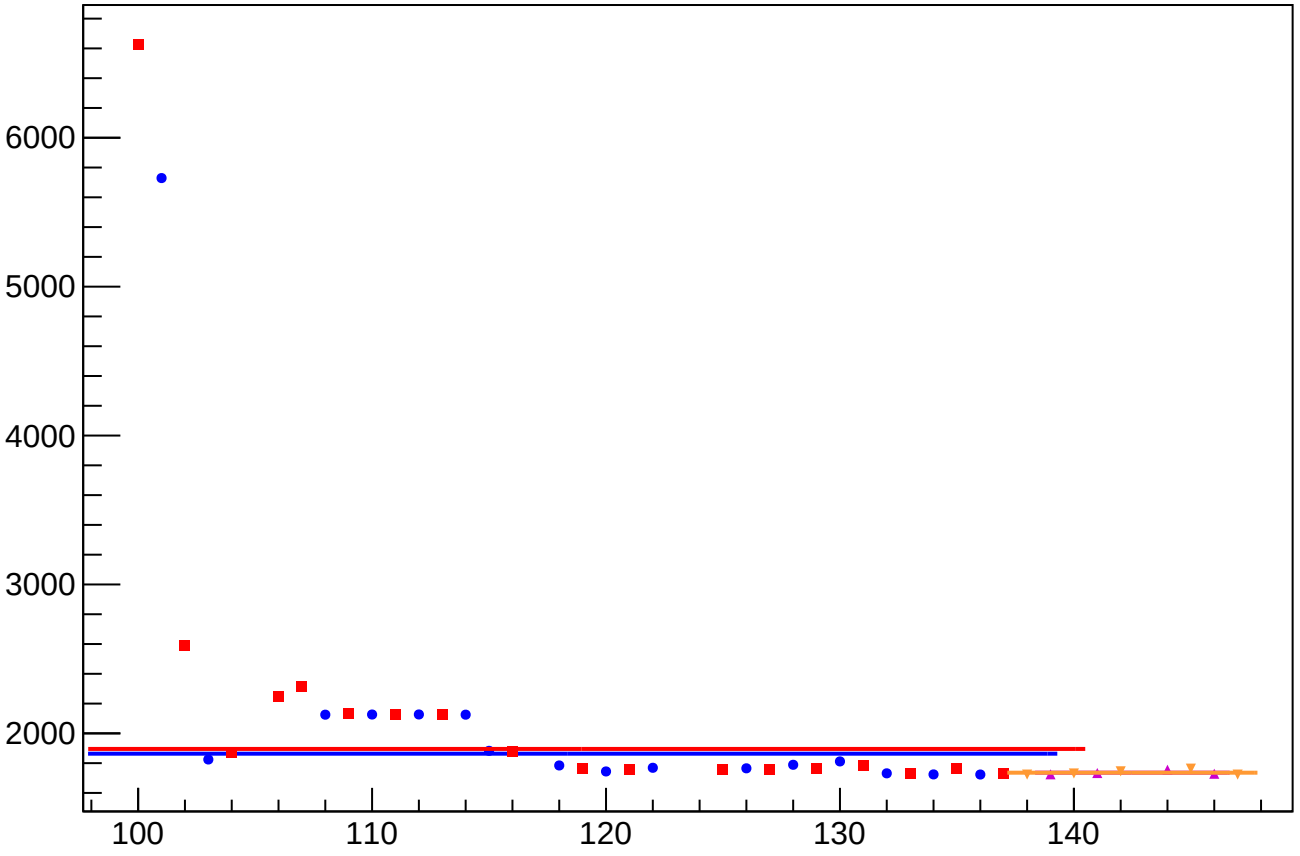
Left In: -1844.060+/-923.399 χ^2/NDF:1.8/3

+ sign -78.878+/-557.461 χ^2/NDF: 20.1/20

All: -517.167+/-396.613 χ^2/NDF: 40.4/42

- sign -966.424+/-564.393 χ^2/NDF: 19.0/21

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: 1735.904+/-0.638 χ^2/NDF:600.7/4

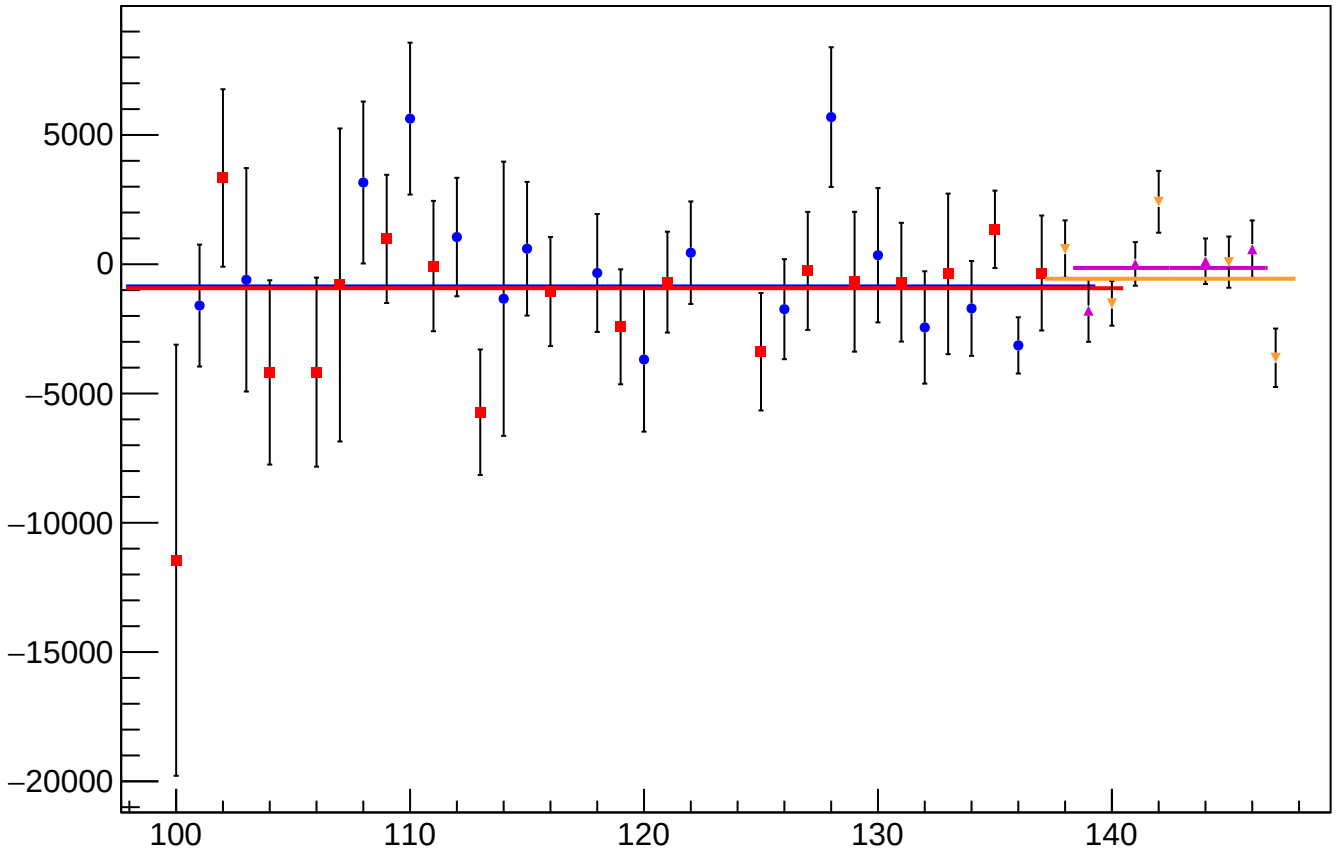
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.4/20

All: 1825.212+/-0.280 χ^2/NDF: 998357.7/42

- sign 1835.883+/-0.399 χ^2/NDF: 296911.0/21



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -560.629+/-463.398 χ^2/NDF:16.2/4

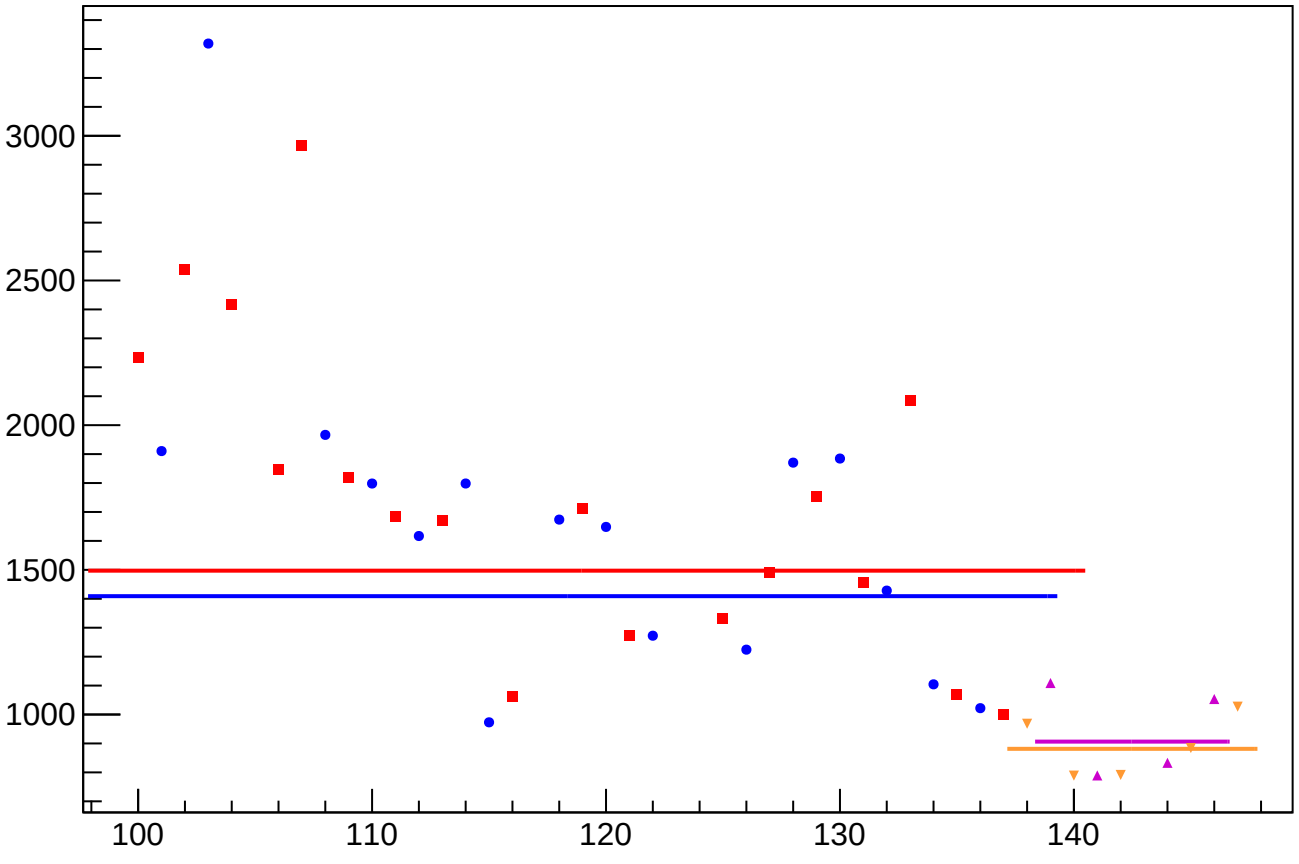
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -141.719+/-488.678 χ^2/NDF:2.4/3

+ sign -684.200+/-354.315 χ^2/NDF: 37.0/20

All: -580.639+/-257.544 χ^2/NDF: 54.2/42

- sign -464.625+/-375.011 χ^2/NDF: 17.0/21



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

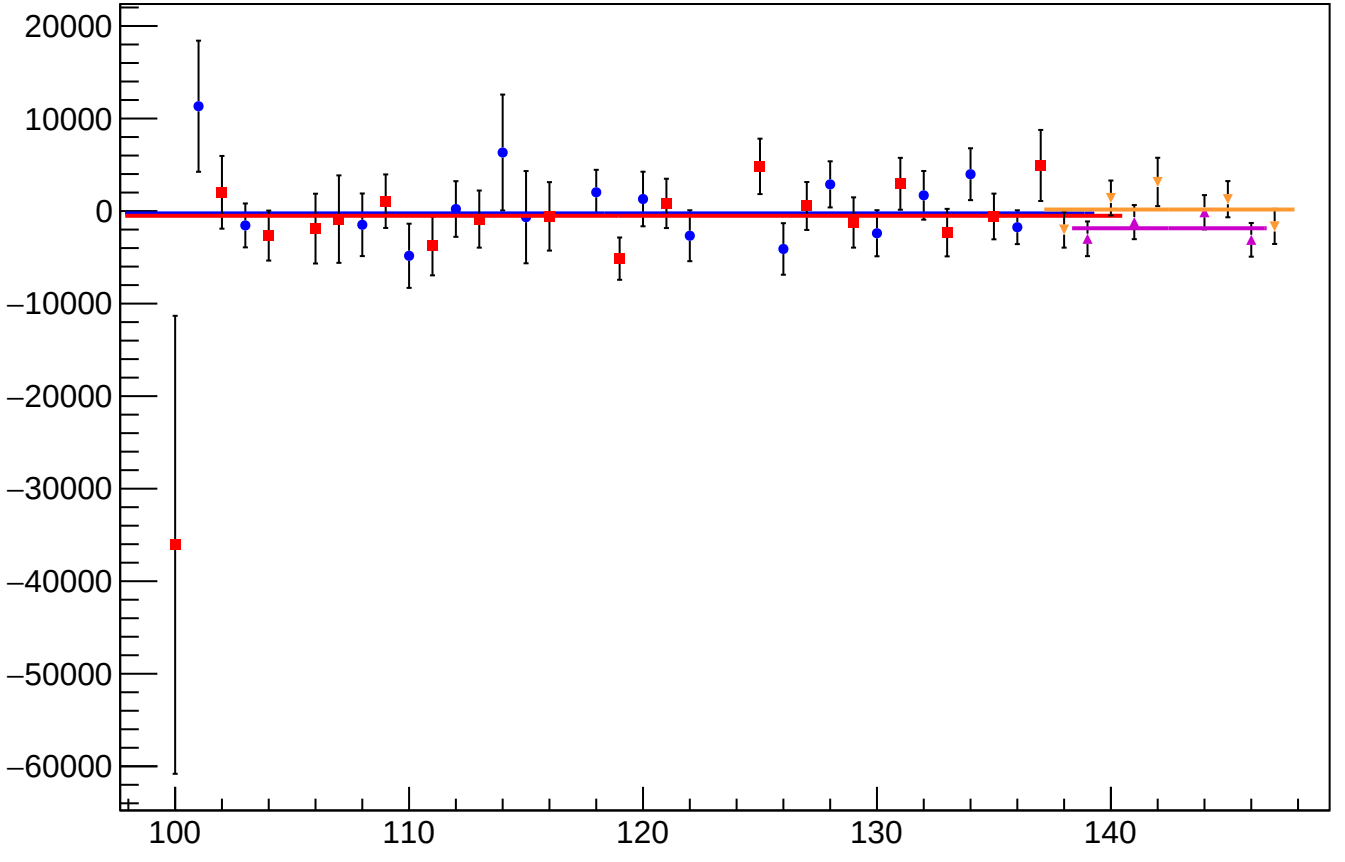
Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

\+ sign 1100.572+/-0.251 χ^2/NDF: 2323876.3/20

All: 1123.521+/-0.182 χ^2/NDF: 4705180.9/42

\- sign 1149.229+/-0.265 χ^2/NDF: 2363514.7/21

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 166.865+/-901.936 χ^2/NDF:4.2/4

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

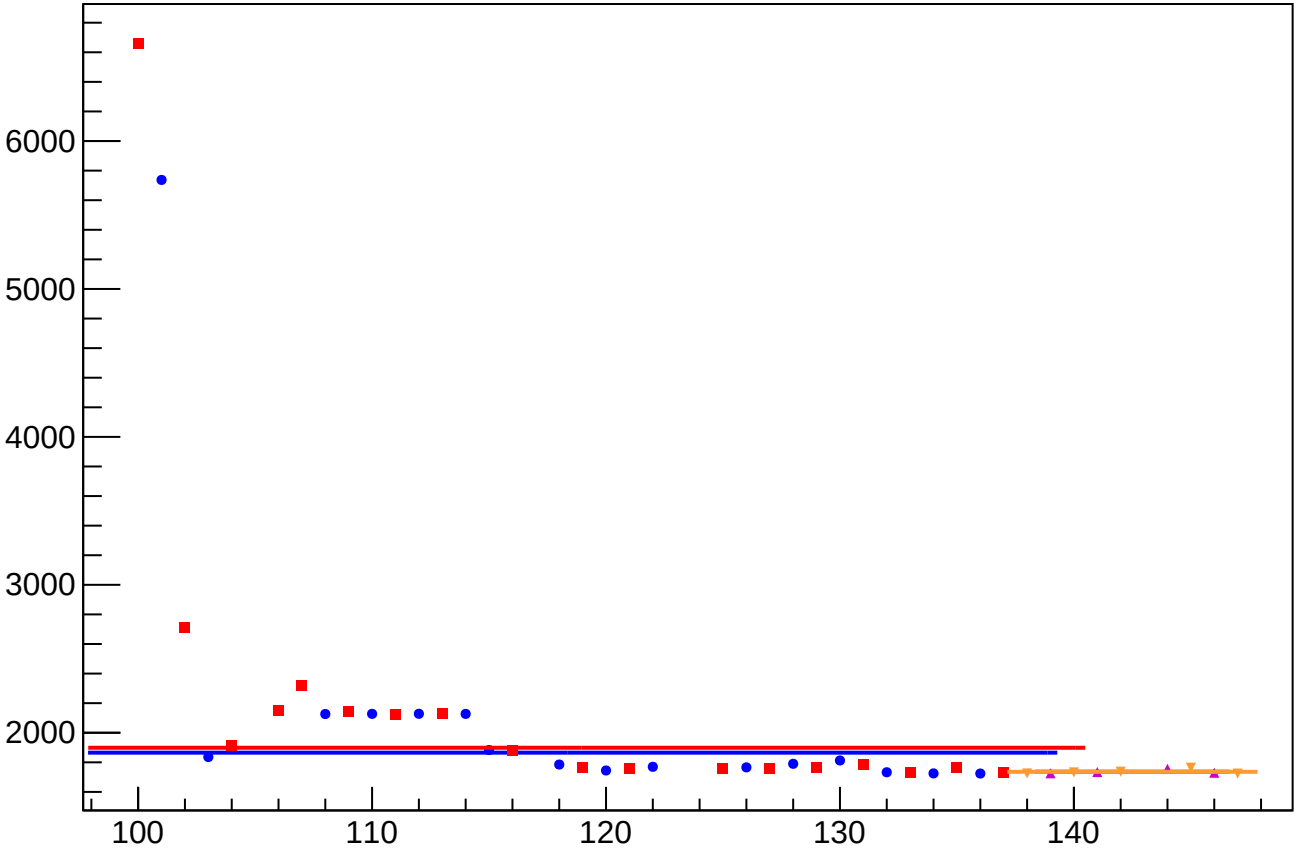
Left In: -1857.713+/-923.850 χ^2/NDF:1.8/3

+ sign -91.768+/-557.871 χ^2/NDF: 20.0/20

All: -547.142+/-397.198 χ^2/NDF: 40.9/42

- sign -1015.316+/-565.657 χ^2/NDF: 19.6/21

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1735.860+/-0.638 χ^2/NDF:560.3/4

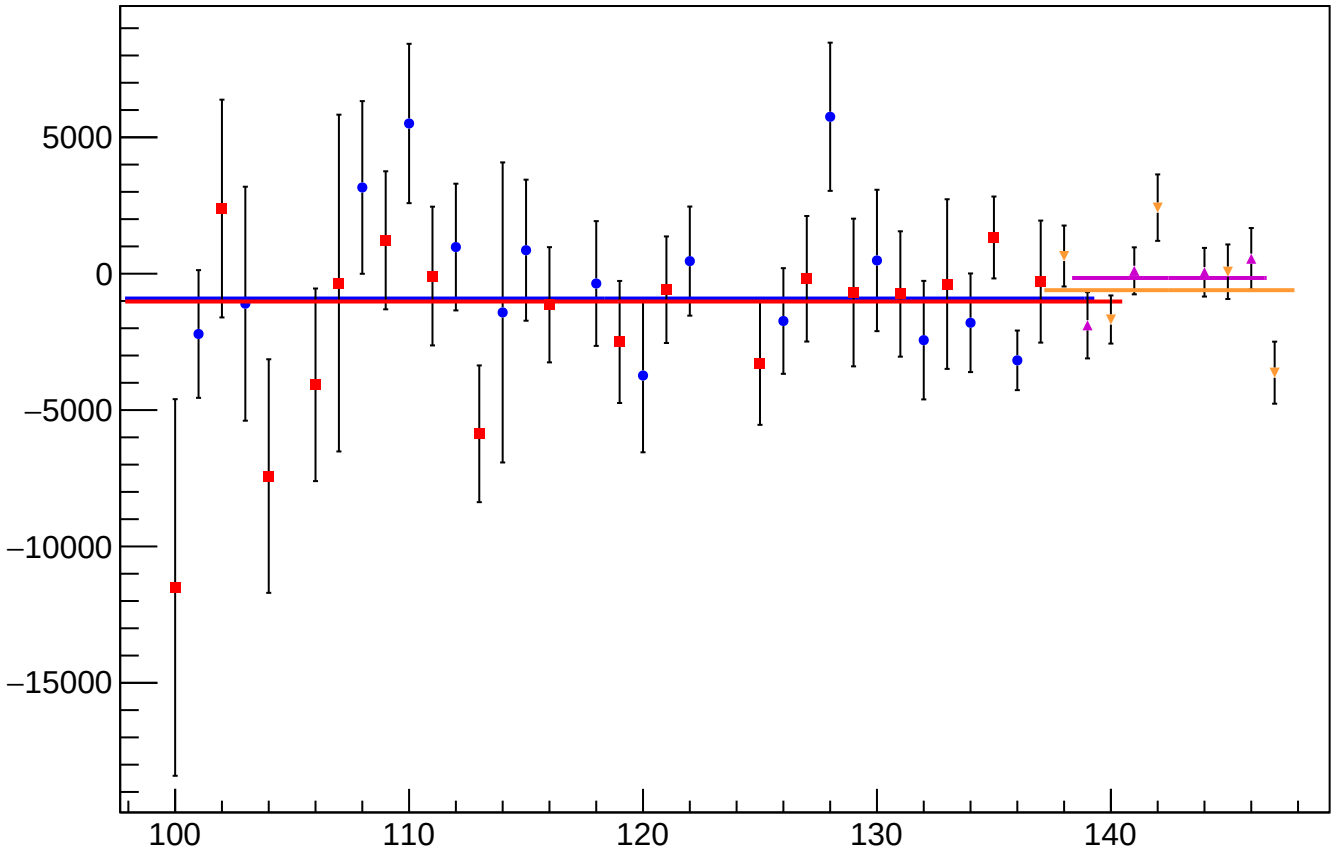
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

+ sign 1815.866+/-0.394 χ^2/NDF: 701037.9/20

All: 1826.749+/-0.281 χ^2/NDF: 1010380.5/42

- sign 1837.938+/-0.400 χ^2/NDF: 307799.0/21



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -604.491+/-469.659 χ^2/NDF:16.4/4

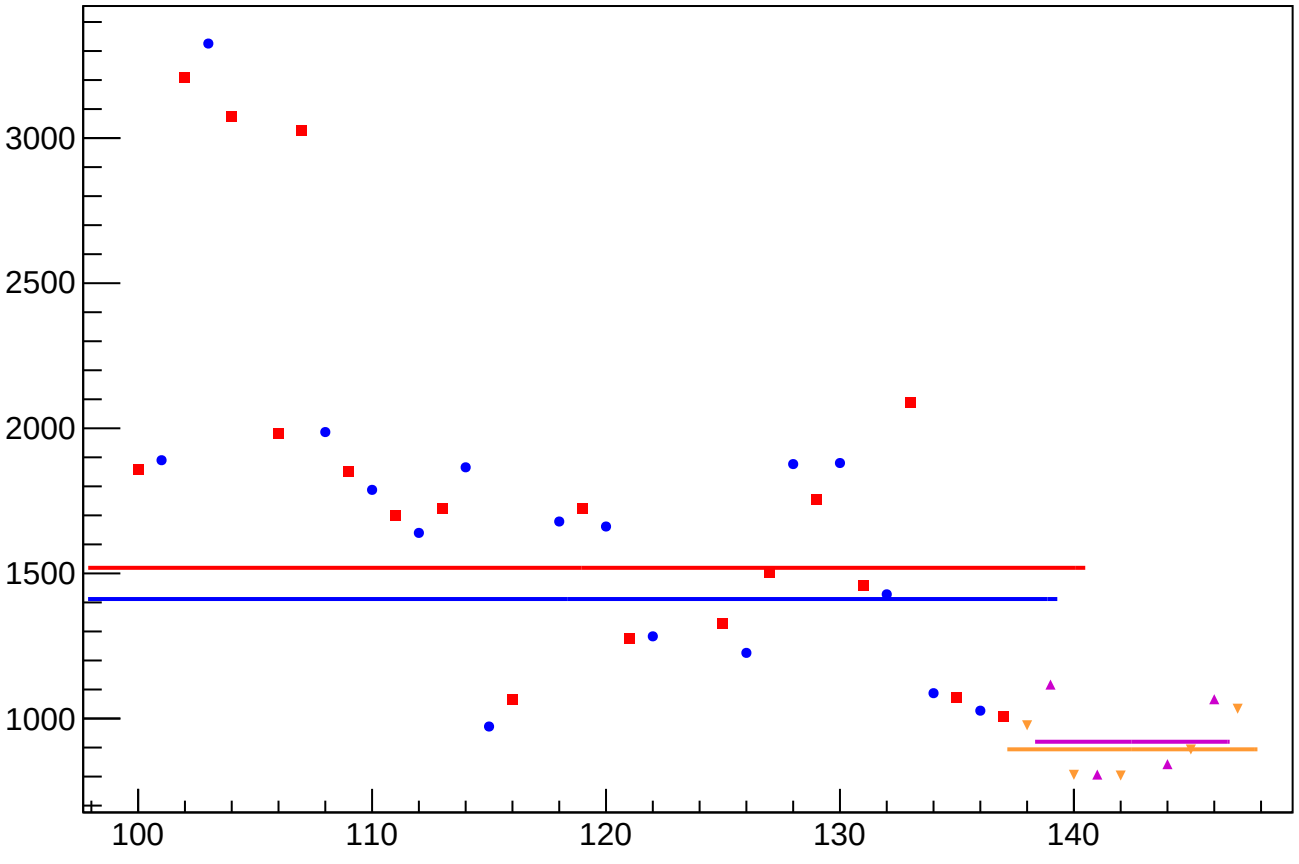
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -157.071+/-495.590 χ^2/NDF:2.6/3

\+ sign -733.498+/-357.388 χ^2/NDF: 37.6/20

All: -629.963+/-260.307 χ^2/NDF: 56.6/42

\- sign -512.971+/-379.904 χ^2/NDF: 18.8/21



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 893.858+/-0.332 χ^2/NDF:72043.7/4

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

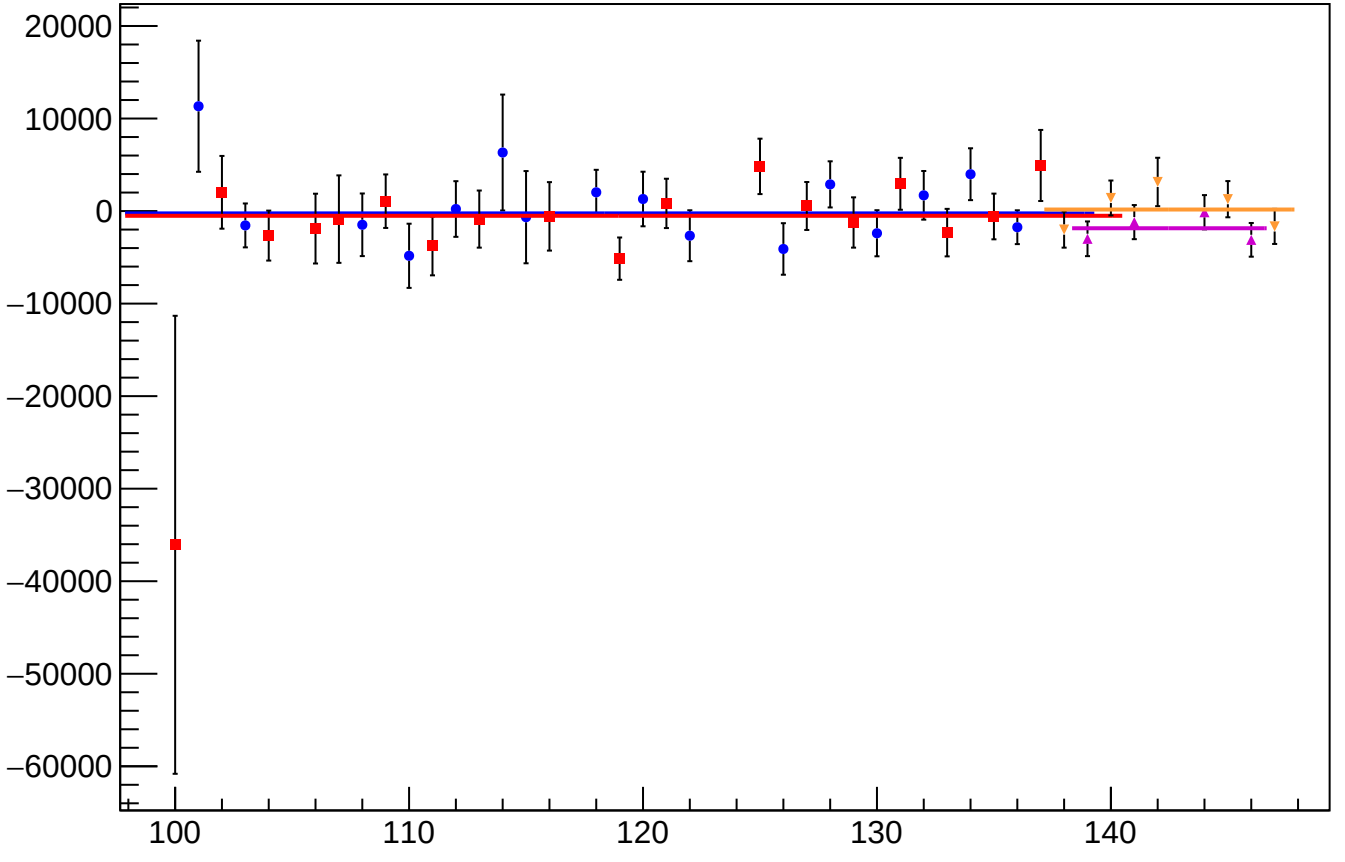
Left In: 920.001+/-0.350 χ^2/NDF:135914.8/3

+ sign 1111.866+/-0.253 χ^2/NDF: 2273489.5/20

All: 1137.815+/-0.184 χ^2/NDF: 4998072.2/42

- sign 1167.138+/-0.269 χ^2/NDF: 2702124.1/21

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: 166.863+/-901.936 χ^2/NDF:4.2/4

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

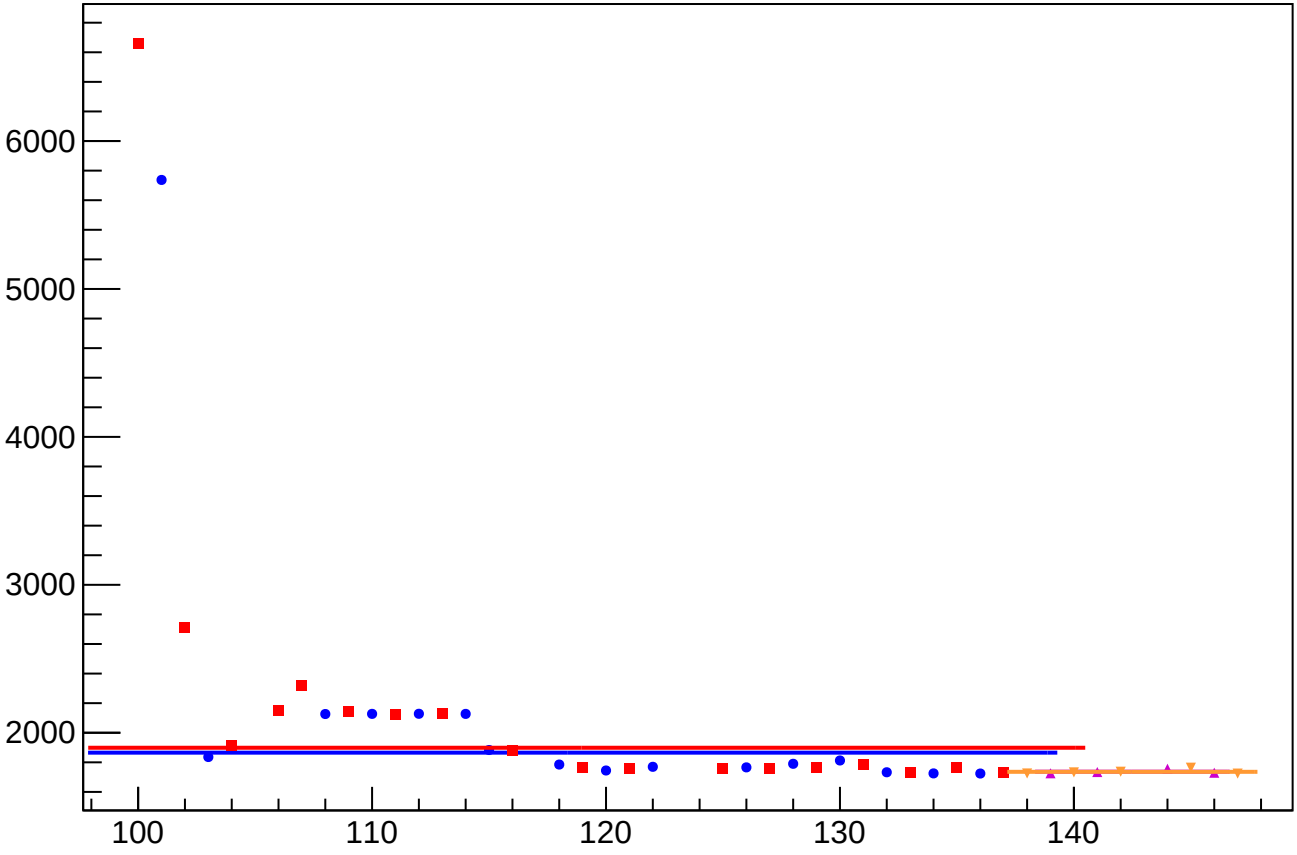
Left In: -1857.715+/-923.850 χ^2/NDF:1.8/3

+ sign -91.768+/-557.871 χ^2/NDF: 20.0/20

All: -547.143+/-397.198 χ^2/NDF: 40.9/42

- sign -1015.317+/-565.657 χ^2/NDF: 19.6/21

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: 1735.860+/-0.638 χ^2/NDF:560.3/4

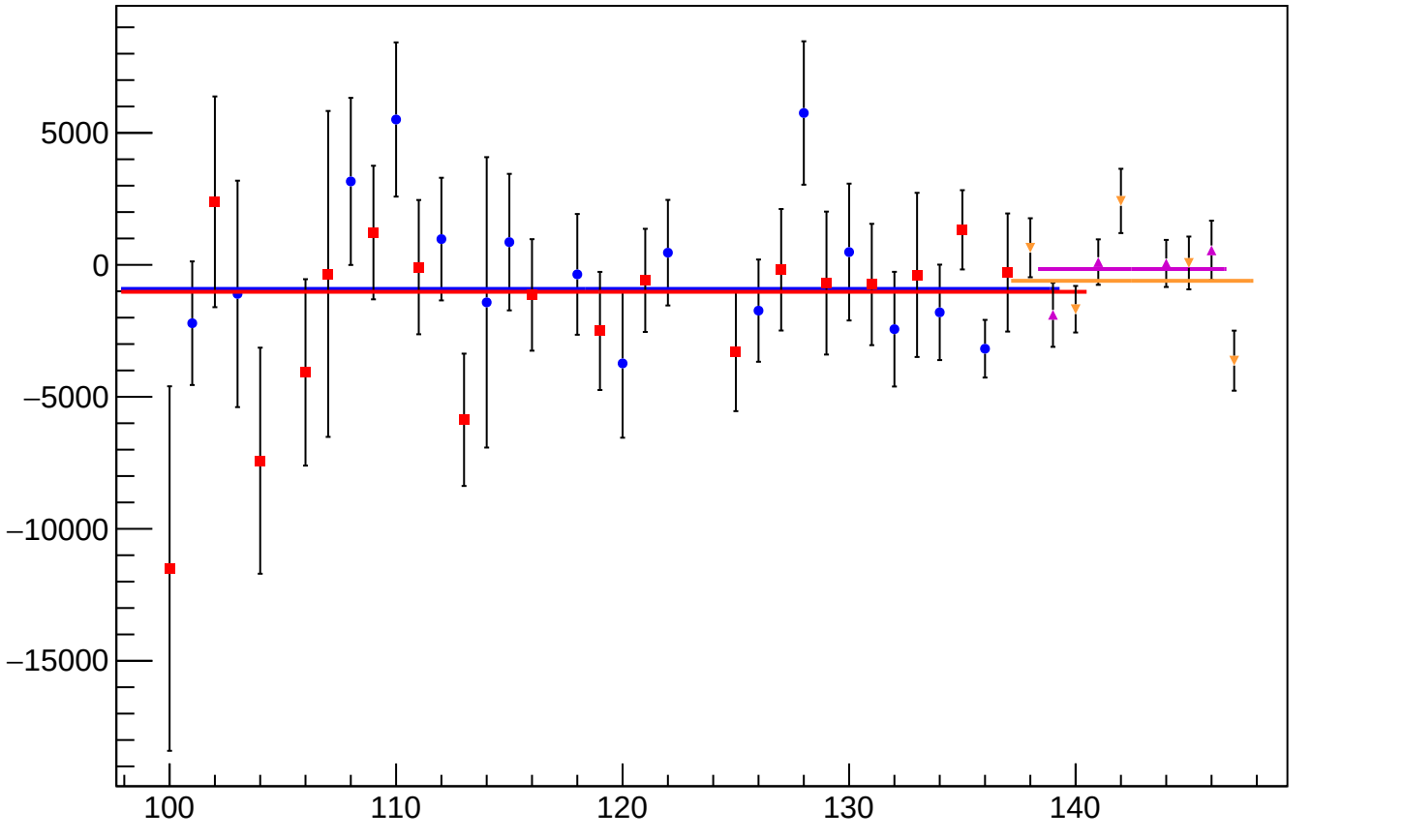
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

+ sign 1815.866+/-0.394 χ^2/NDF: 701037.9/20

All: 1826.749+/-0.281 χ^2/NDF: 1010380.2/42

- sign 1837.938+/-0.400 χ^2/NDF: 307798.7/21



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -604.492+/-469.658 χ^2/NDF:16.4/4

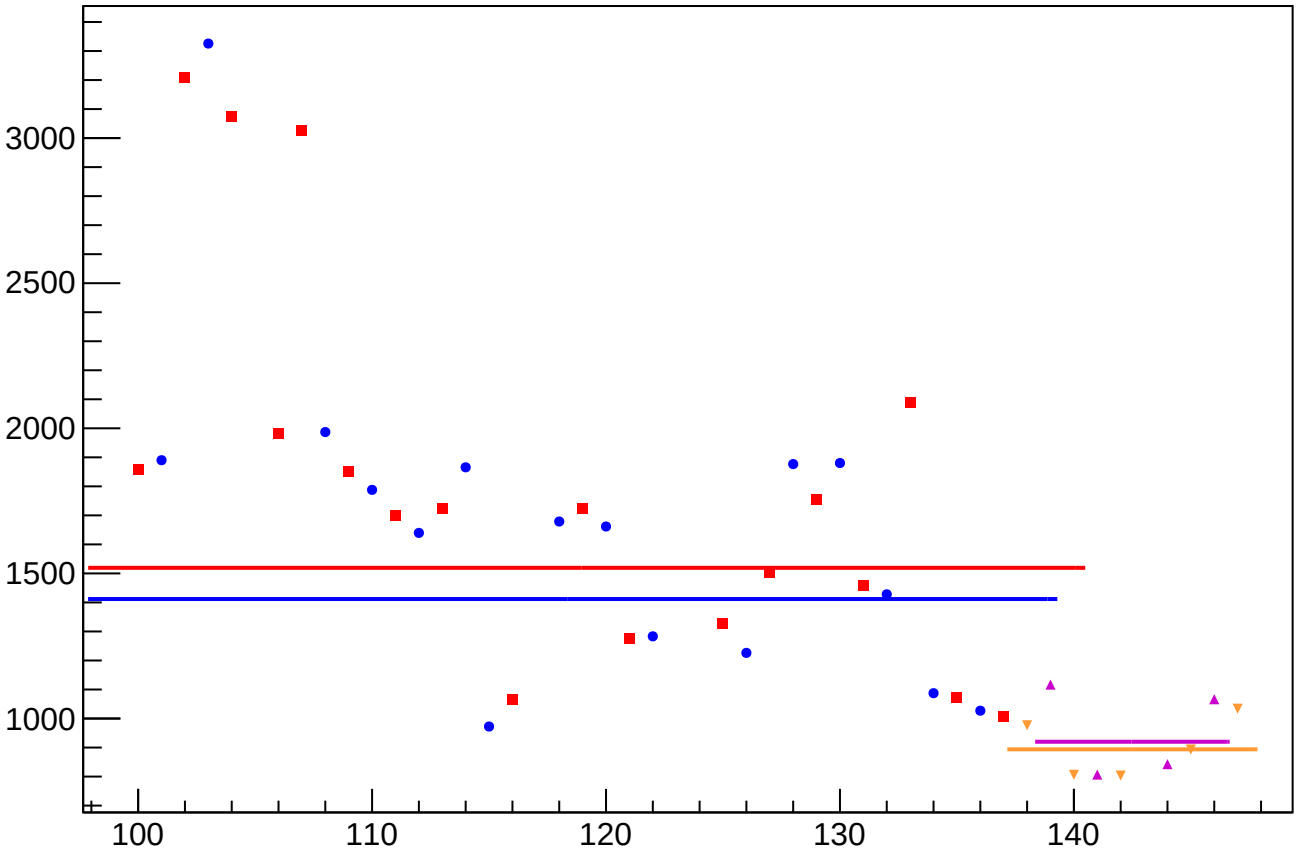
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -157.071+/-495.590 χ^2/NDF:2.6/3

\+ sign -733.497+/-357.387 χ^2/NDF: 37.6/20

All: -629.962+/-260.307 χ^2/NDF: 56.6/42

\- sign -512.970+/-379.903 χ^2/NDF: 18.8/21



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 893.857+/-0.332 χ^2/NDF:72046.3/4

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

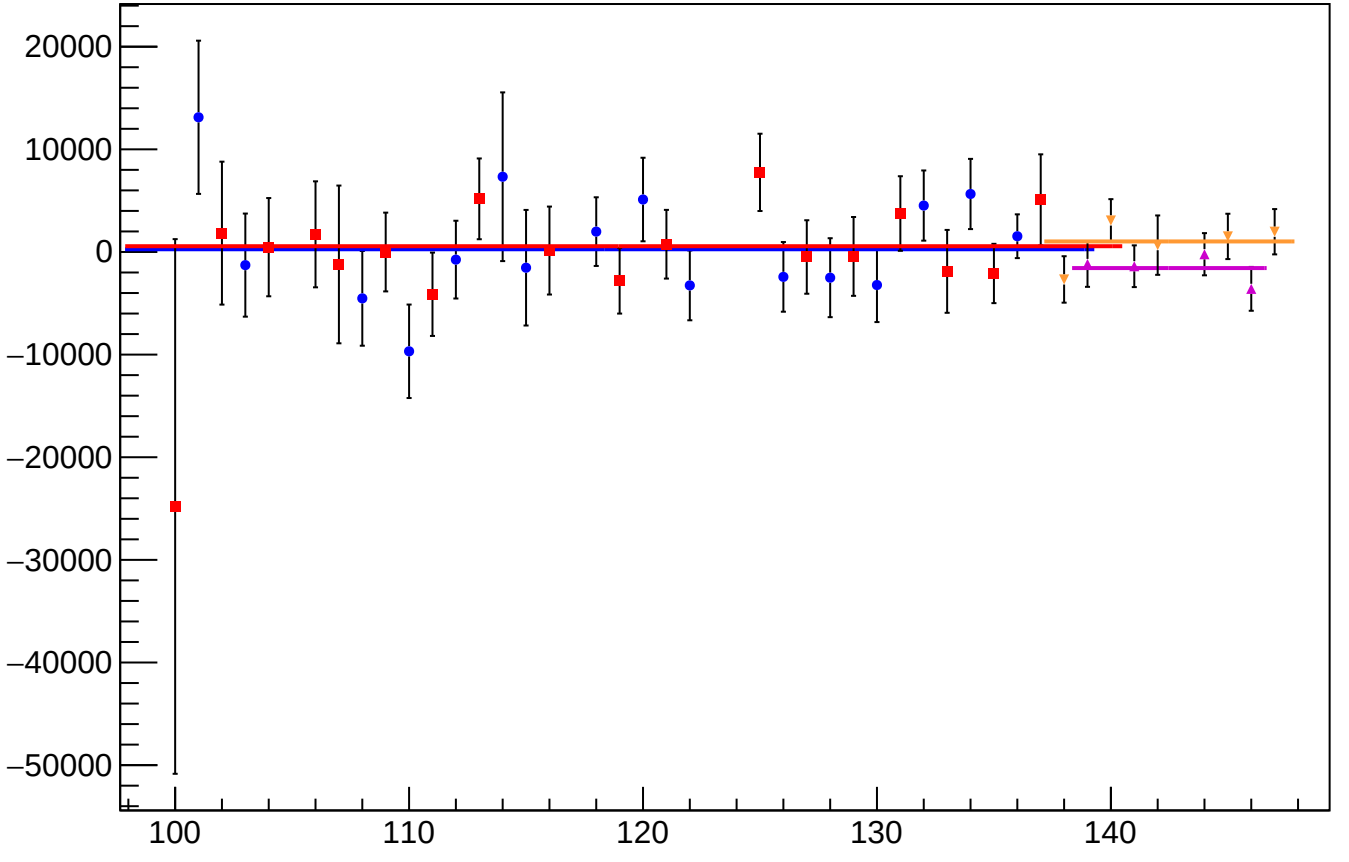
Left In: 919.999+/-0.350 χ^2/NDF:135918.3/3

+ sign 1111.864+/-0.253 χ^2/NDF: 2273491.2/20

All: 1137.814+/-0.184 χ^2/NDF: 4998079.4/42

- sign 1167.136+/-0.269 χ^2/NDF: 2702128.9/21

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1026.042+/-1022.599 χ^2/NDF:3.9/4

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

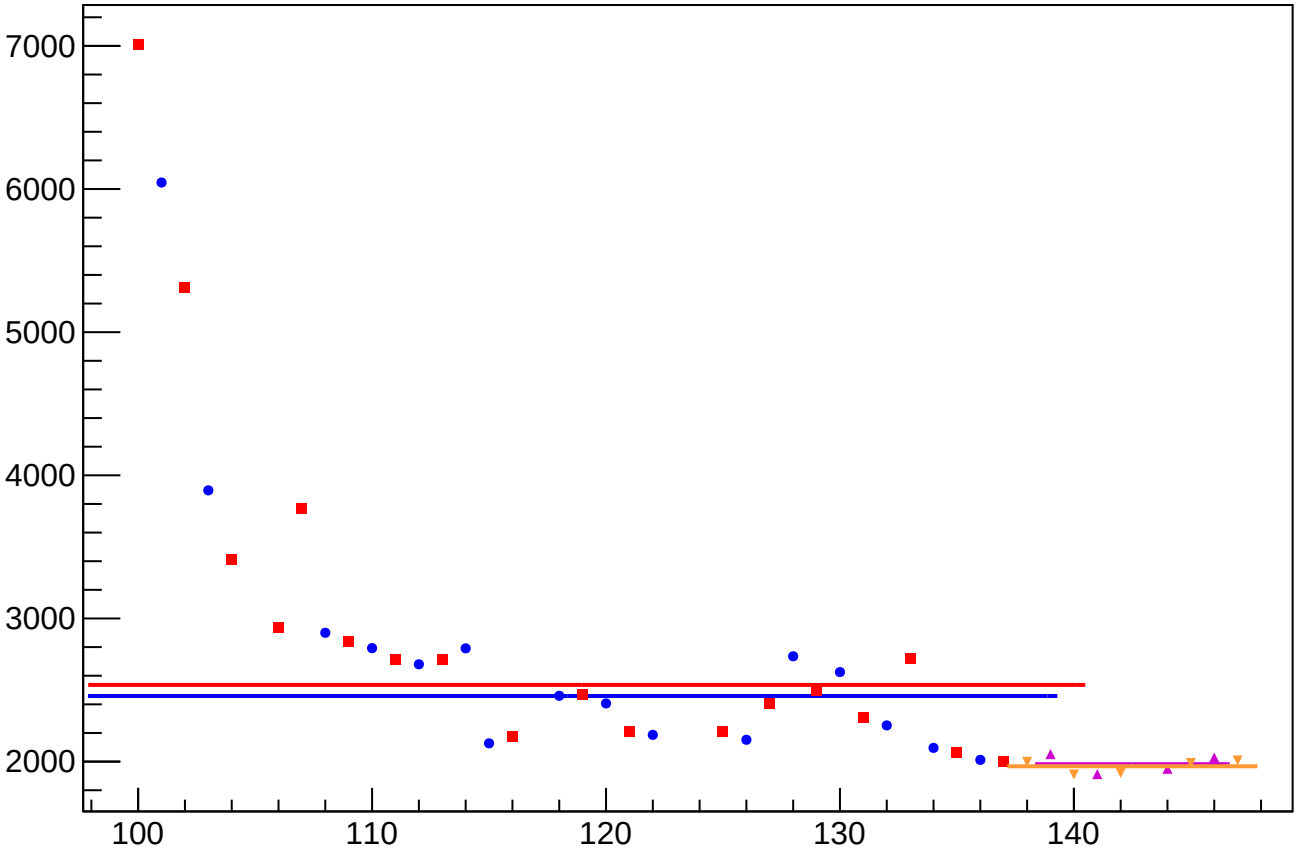
Left In: -1568.887+/-1054.886 χ^2/NDF:1.4/3

+ sign 614.009+/-692.831 χ^2/NDF: 23.2/20

All: 116.797+/-496.269 χ^2/NDF: 39.6/42

- sign -407.117+/-711.191 χ^2/NDF: 15.3/21

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1967.403+/-0.723 χ^2/NDF:3316.8/4

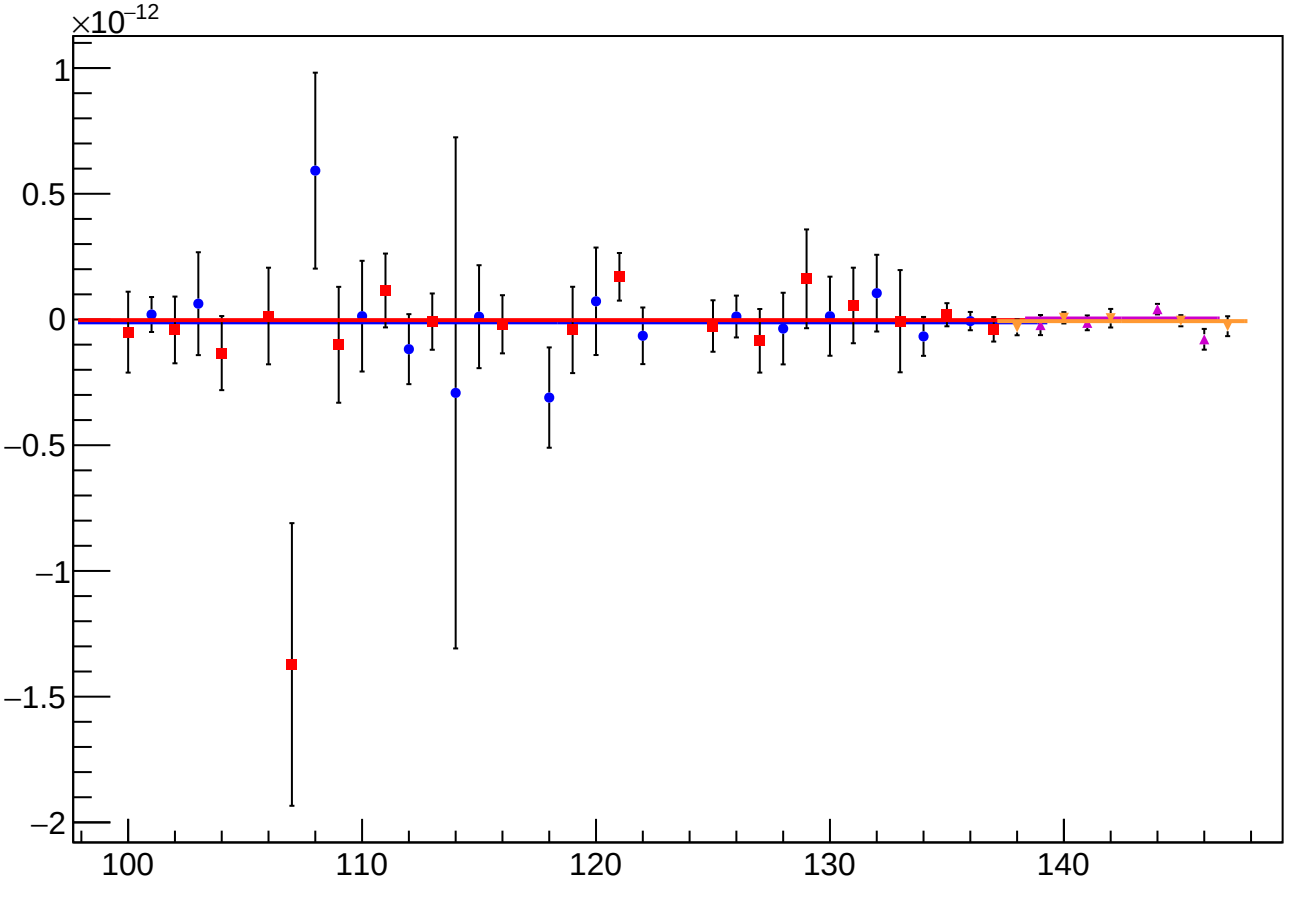
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1982.082+/-0.746 χ^2/NDF:5759.9/3

+ sign 2232.980+/-0.490 χ^2/NDF: 1085565.2/20

All: 2257.877+/-0.351 χ^2/NDF: 2070533.1/42

- sign 2284.111+/-0.503 χ^2/NDF: 979663.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

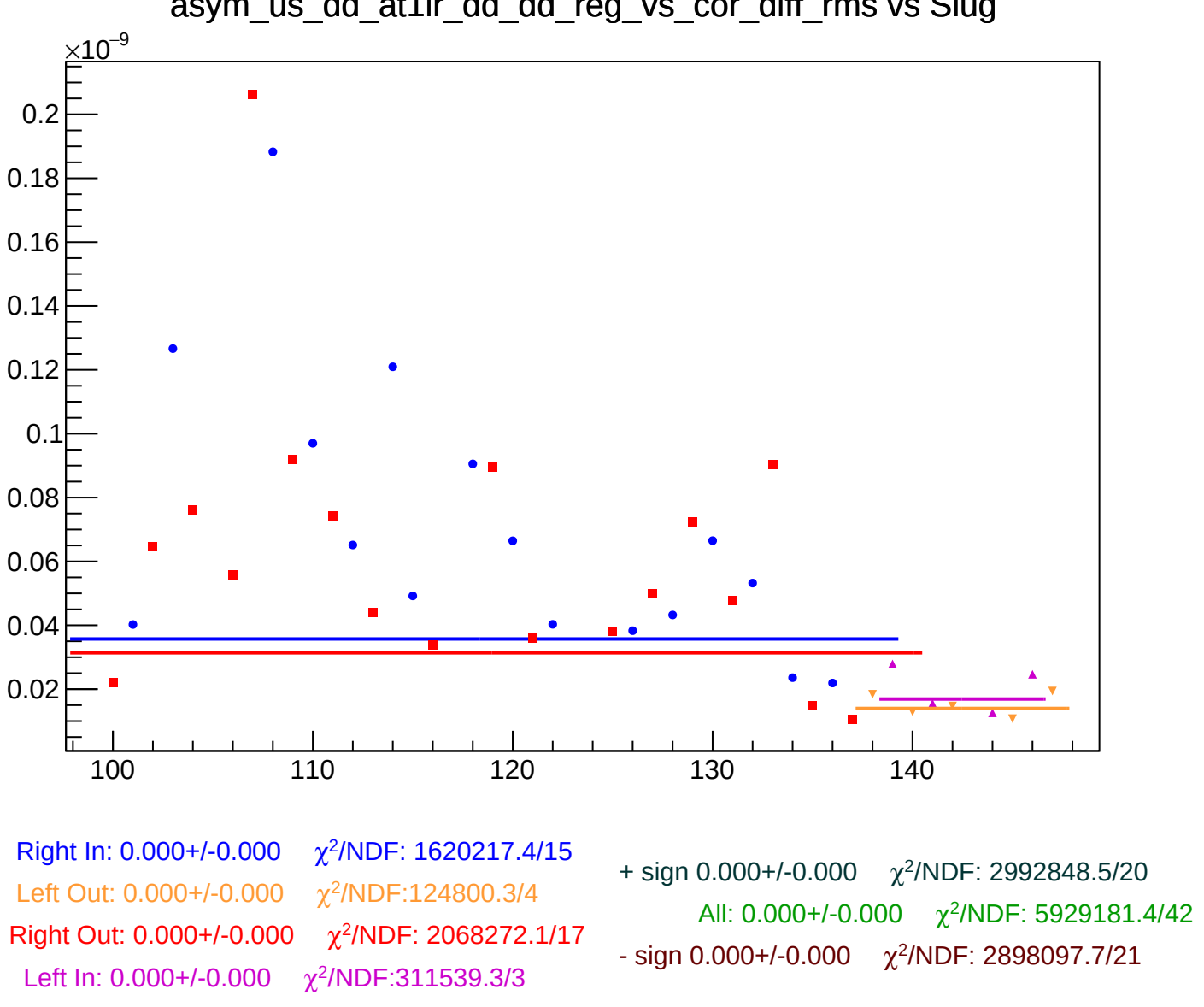
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/3

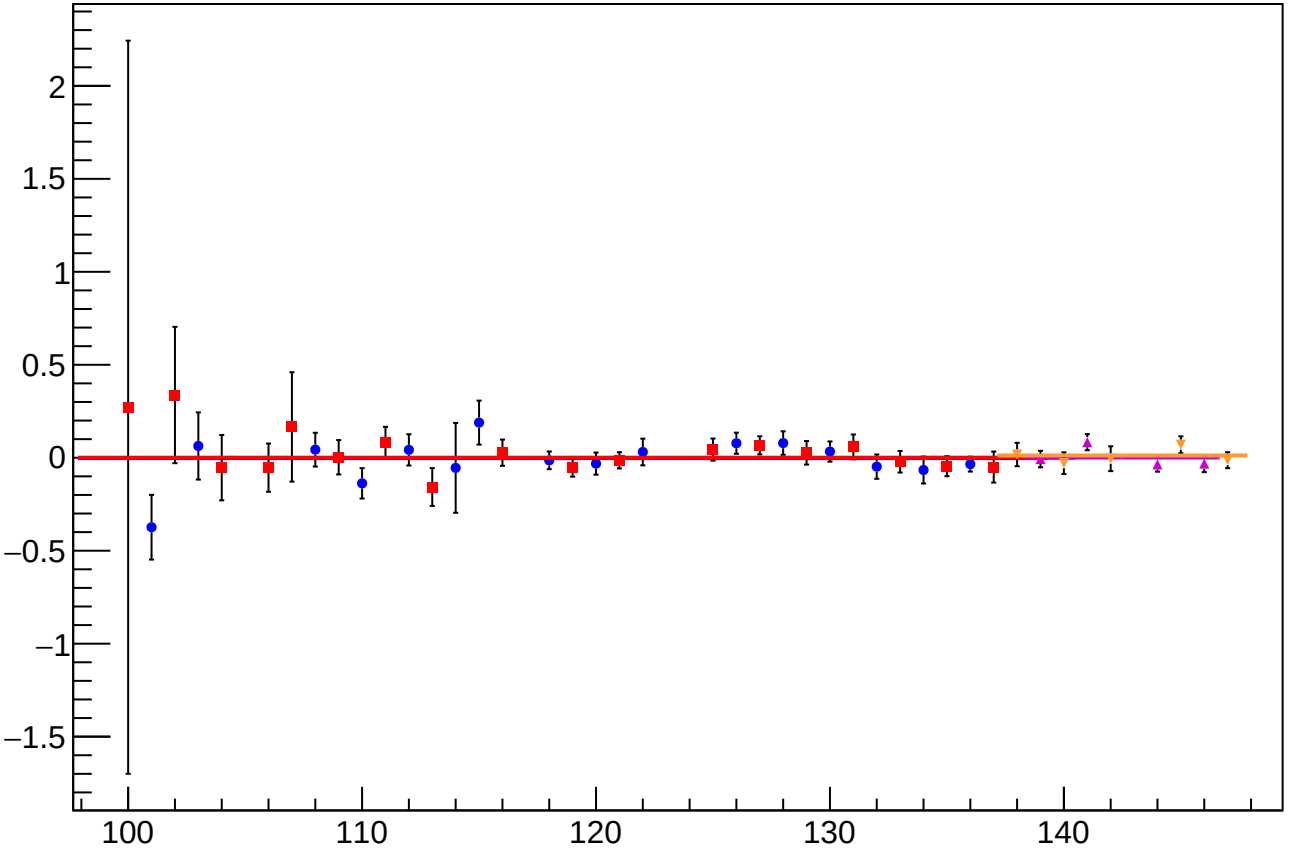
+ sign -0.000+/-0.000 χ^2/NDF: 8.7/20

All: -0.000+/-0.000 χ^2/NDF: 30.2/42

- sign 0.000+/-0.000 χ^2/NDF: 21.2/21


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:124800.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:311539.3/3
+ sign 0.000+/-0.000 χ²/NDF: 2992848.5/20
All: 0.000+/-0.000 χ²/NDF: 5929181.4/42
- sign 0.000+/-0.000 χ²/NDF: 2898097.7/21

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

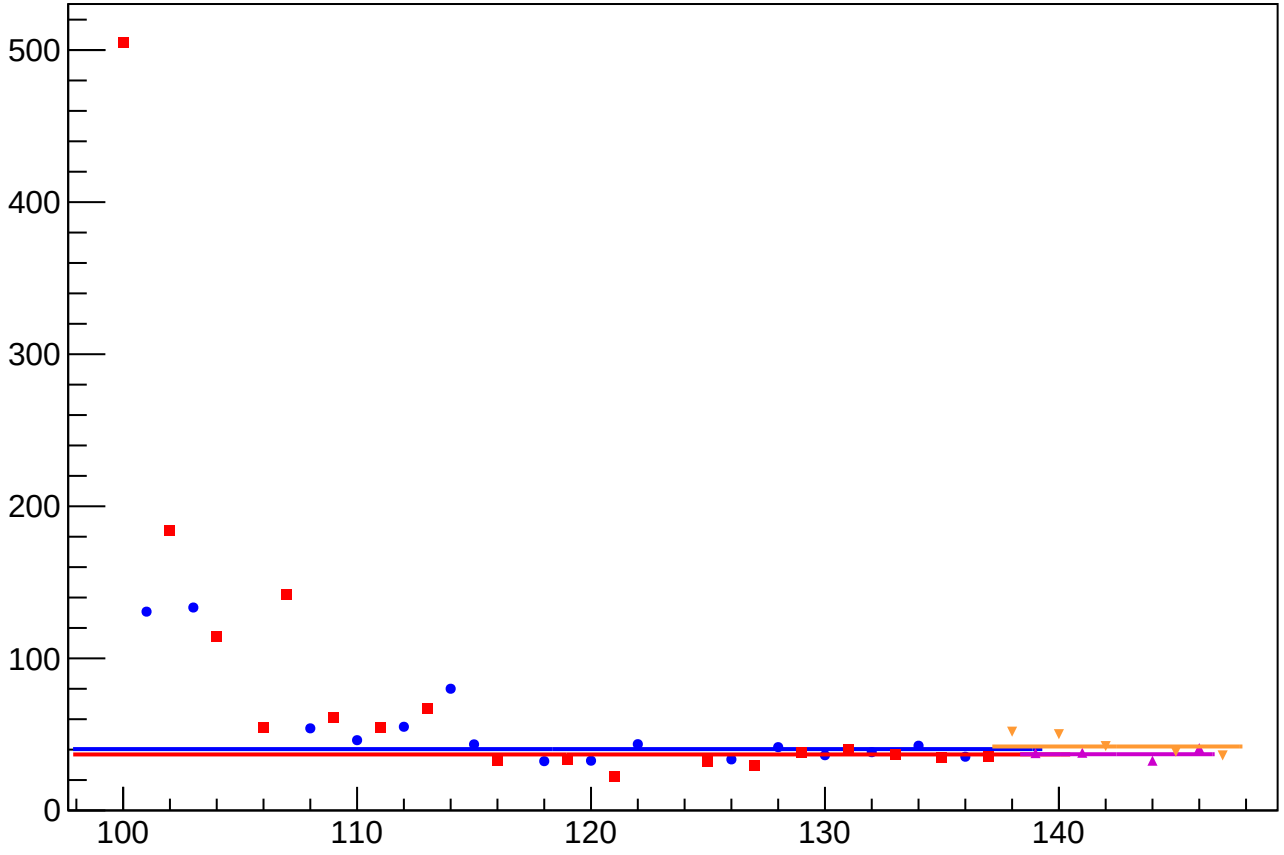
Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.002+/-0.010 χ^2/NDF: 35.9/42

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21

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: 42.060+/-0.017 χ^2/NDF:135668.9/4

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

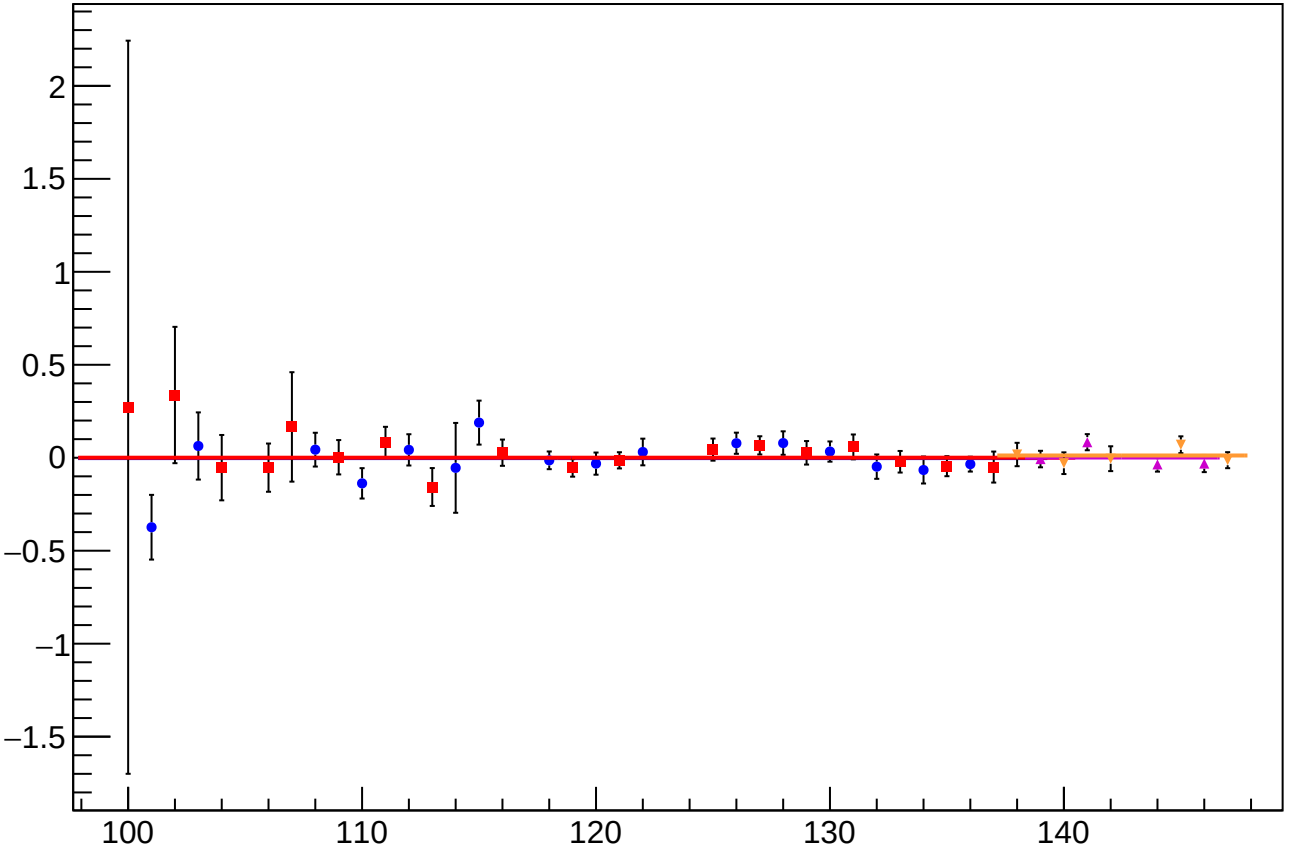
Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

+ sign 40.940+/-0.010 χ^2/NDF: 1552694.0/20

All: 38.812+/-0.007 χ^2/NDF: 3520989.1/42

- sign 36.883+/-0.009 χ^2/NDF: 1878005.6/21

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

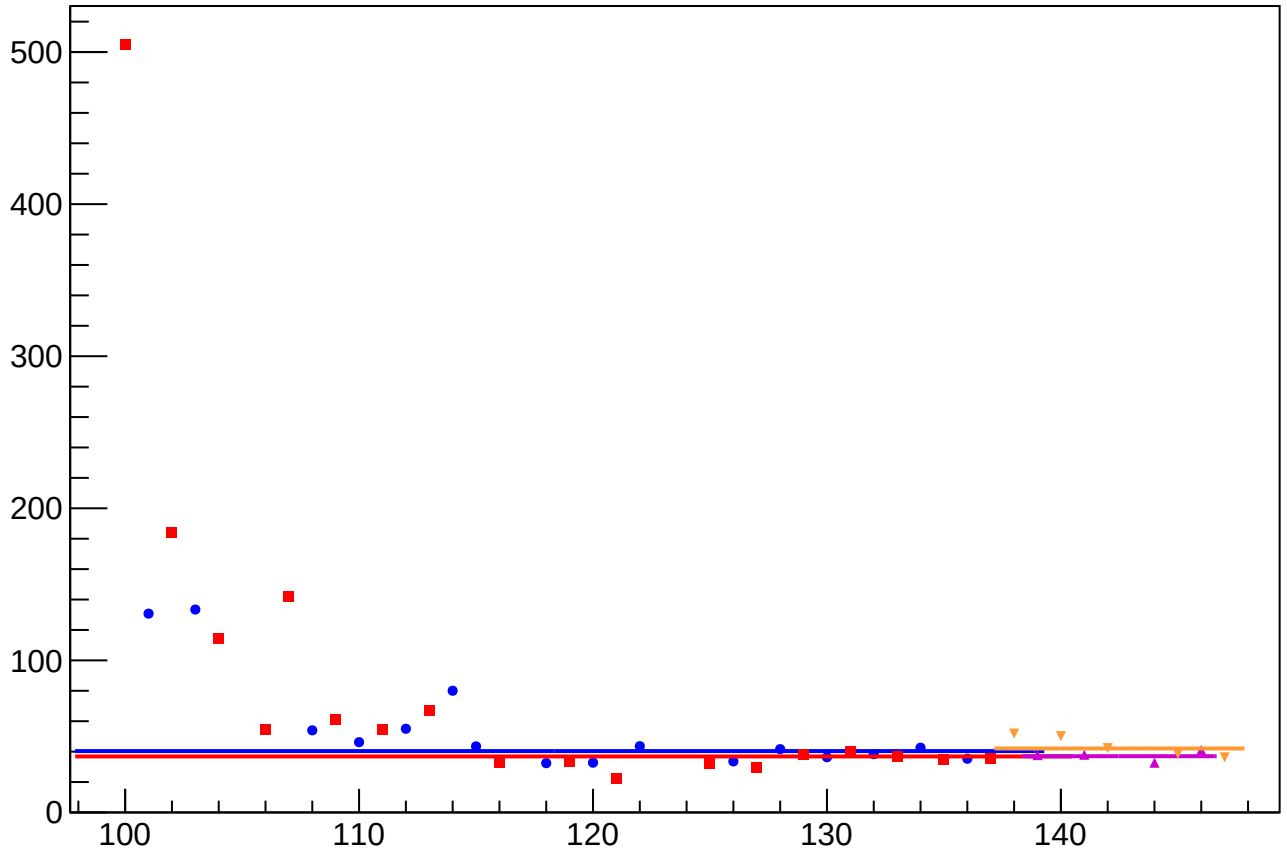
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.002+/-0.010 χ^2/NDF: 35.9/42

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.060+/-0.017 χ^2/NDF:135668.9/4

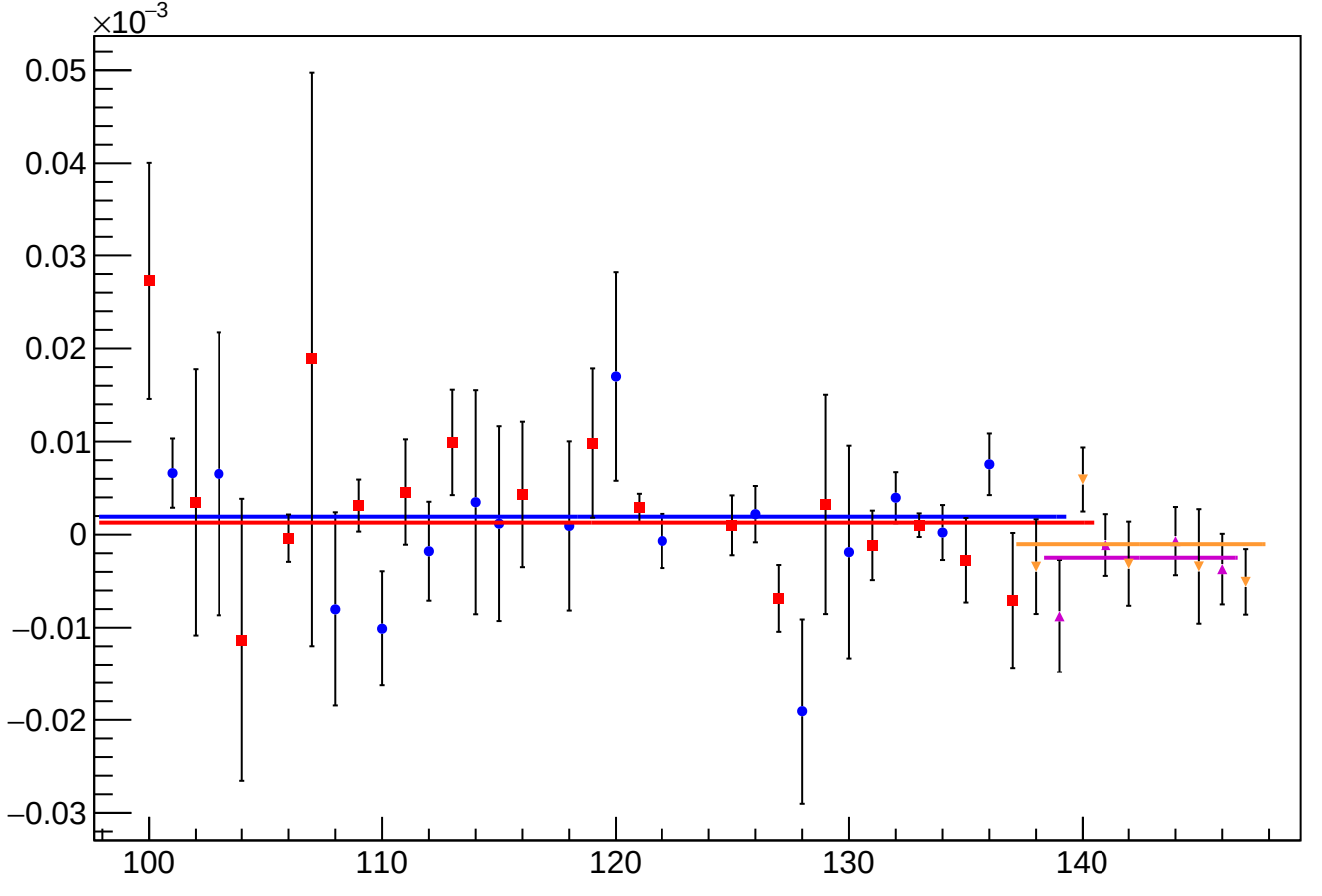
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

+ sign 40.940+/-0.010 χ^2/NDF: 1552694.0/20

All: 38.812+/-0.007 χ^2/NDF: 3520989.1/42

- sign 36.883+/-0.009 χ^2/NDF: 1878005.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/4

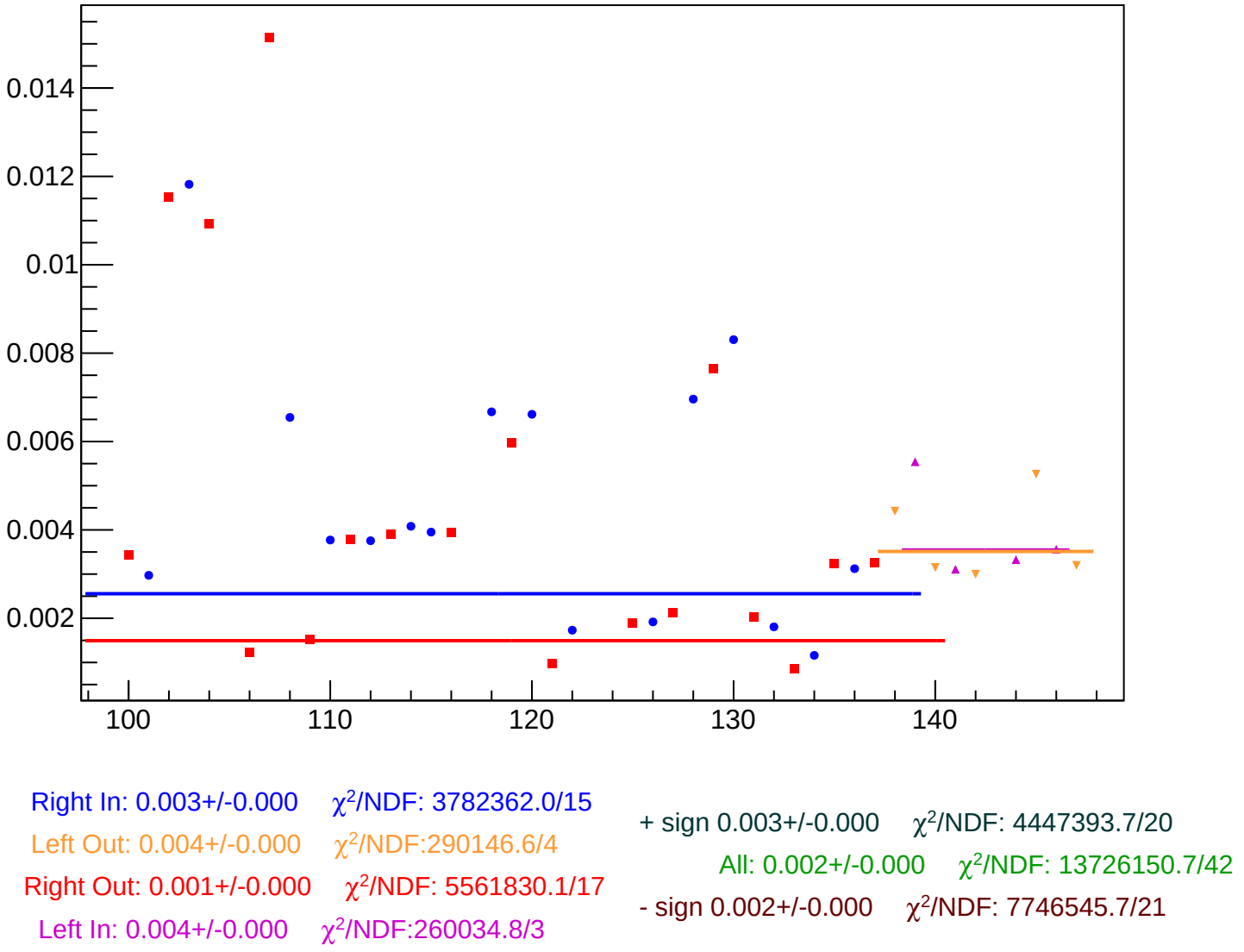
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

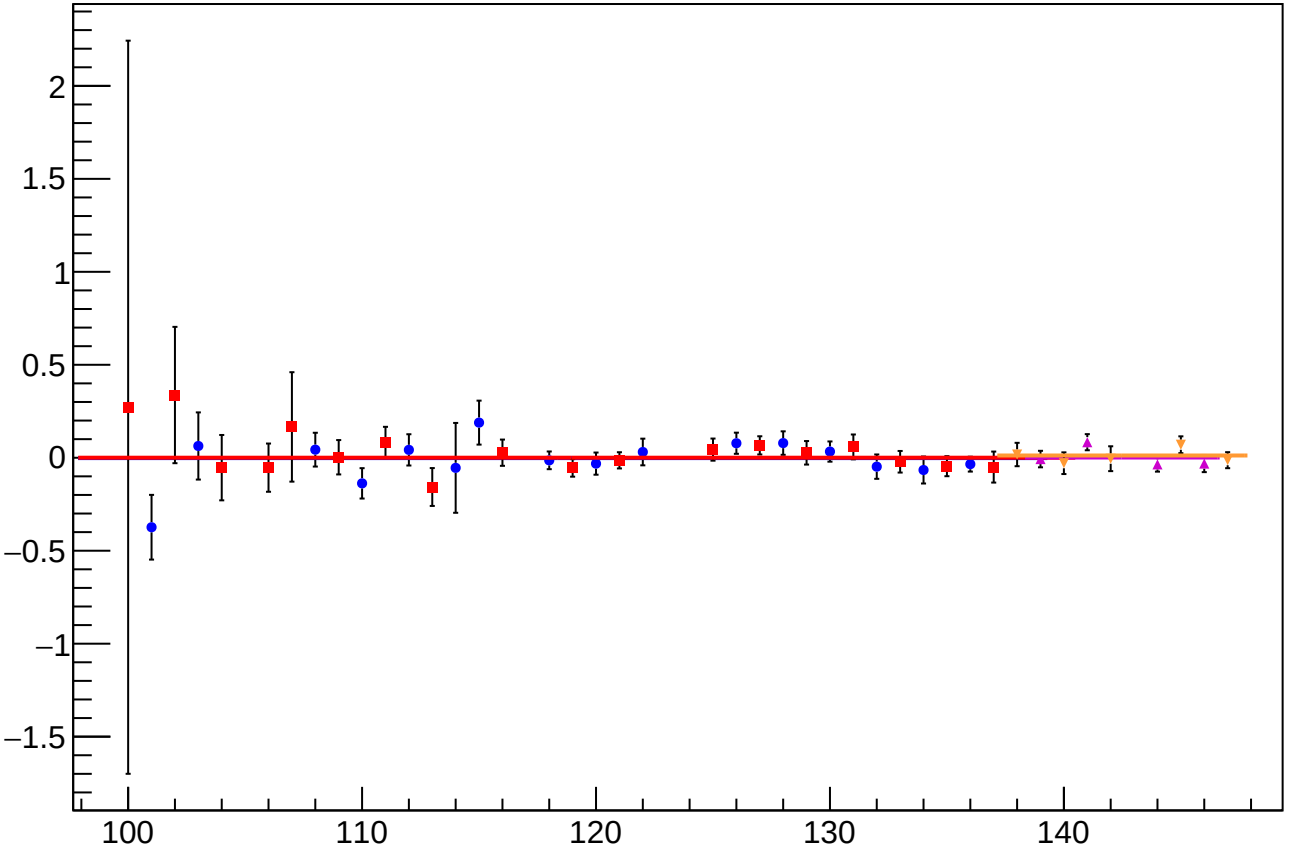
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 49.4/42

- sign 0.000+/-0.000 χ^2/NDF: 23.7/21


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
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:290146.6/4
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:260034.8/3
+ sign 0.003+/-0.000 χ²/NDF: 4447393.7/20
All: 0.002+/-0.000 χ²/NDF: 13726150.7/42
- sign 0.002+/-0.000 χ²/NDF: 7746545.7/21

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

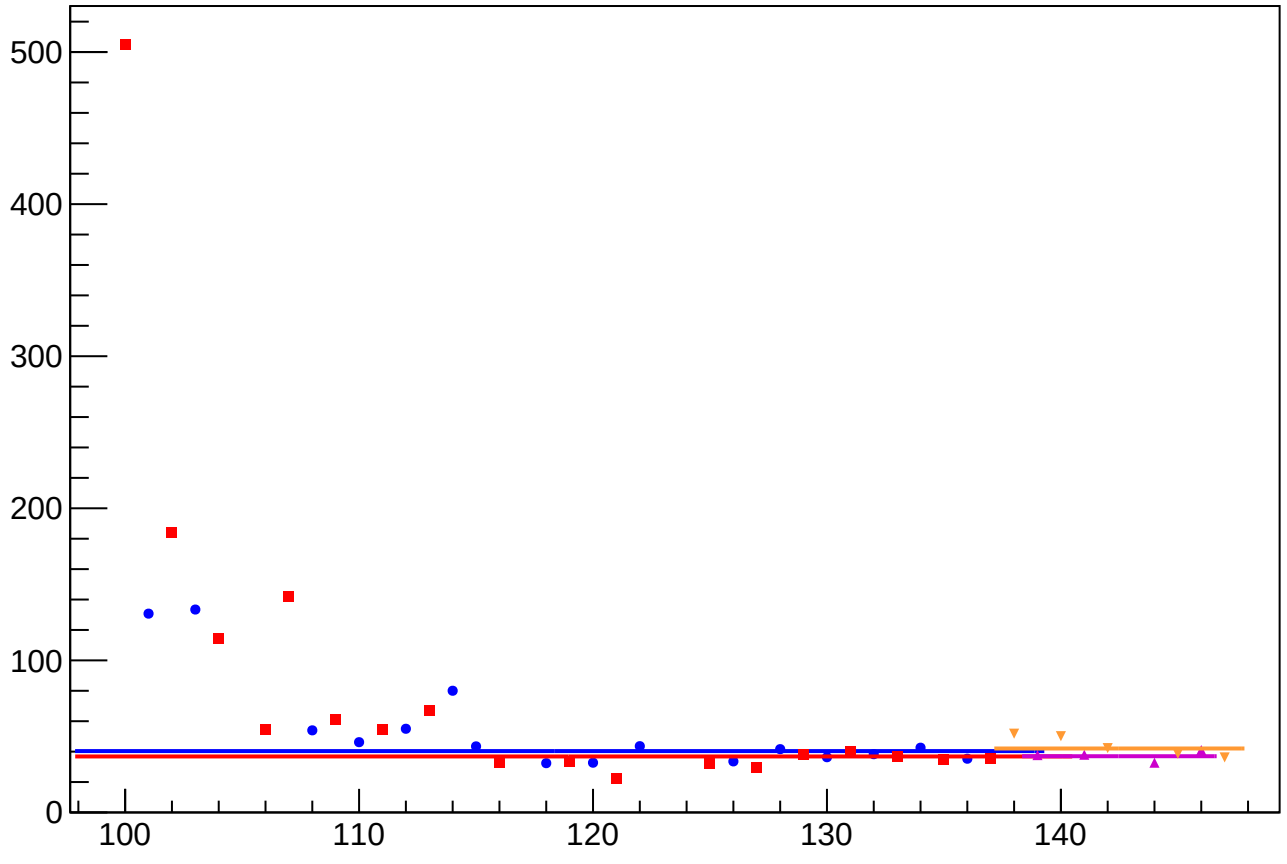
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.002+/-0.010 χ^2/NDF: 35.9/42

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.059+/-0.017 χ^2/NDF:135682.6/4

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

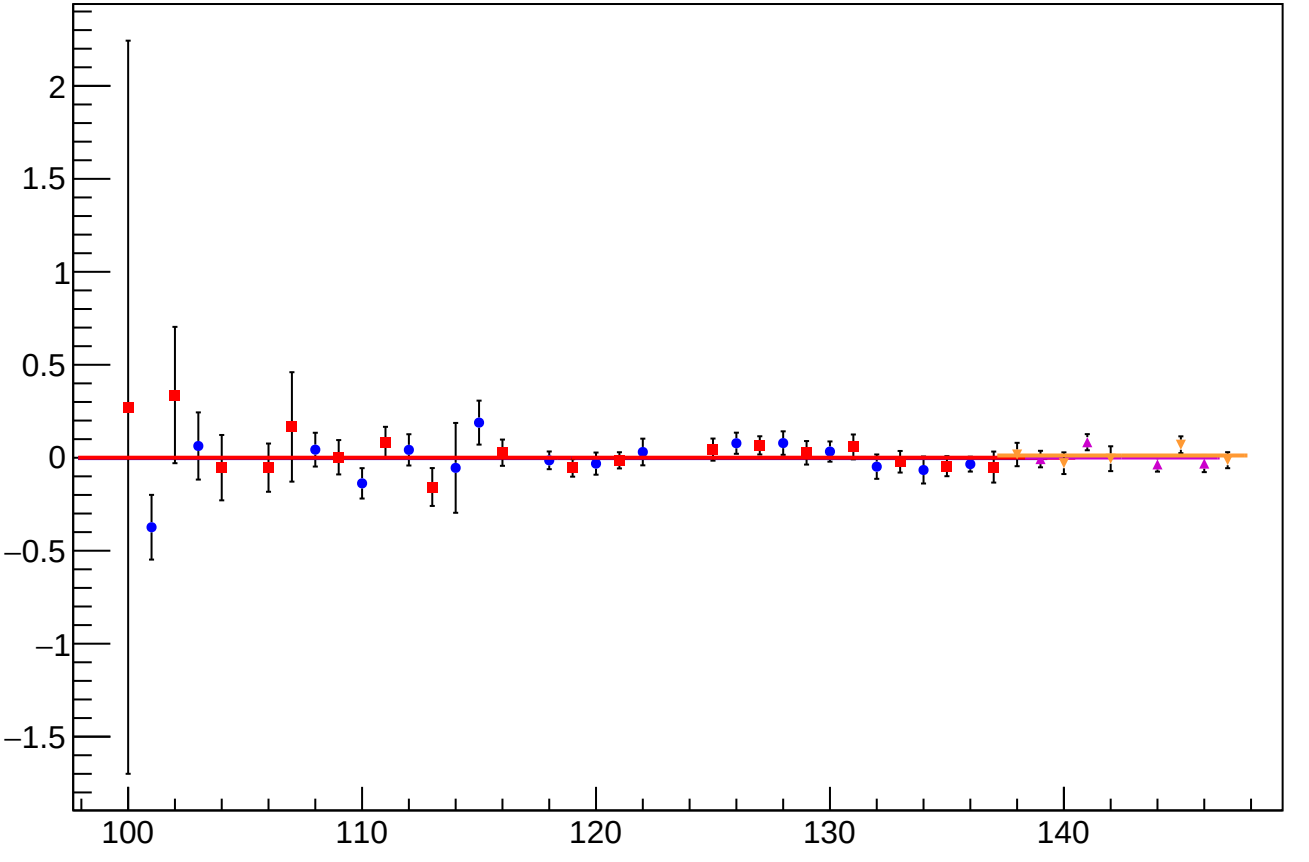
Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

+ sign 40.940+/-0.010 χ^2/NDF: 1552598.9/20

All: 38.811+/-0.007 χ^2/NDF: 3520920.5/42

- sign 36.882+/-0.009 χ^2/NDF: 1877995.7/21

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

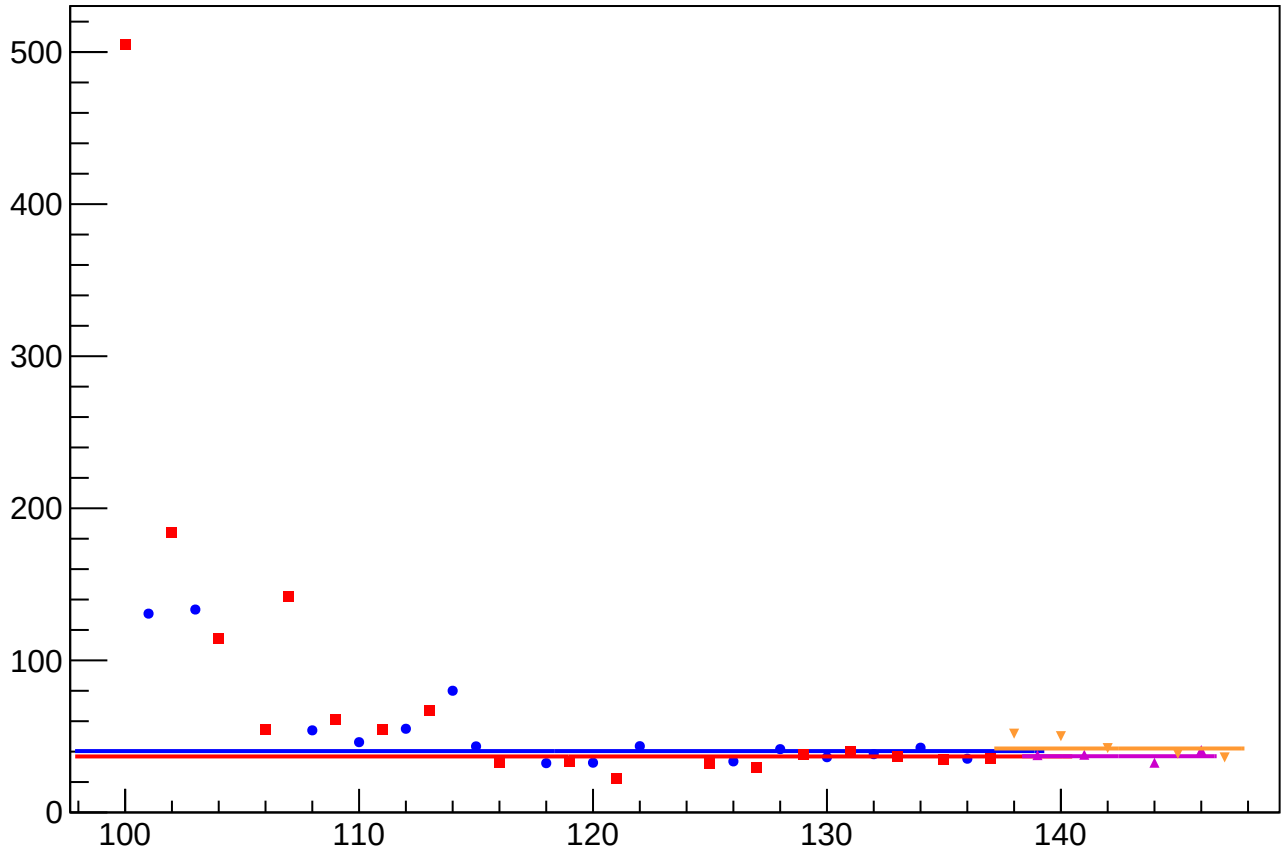
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.002+/-0.010 χ^2/NDF: 35.9/42

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.059+/-0.017 χ^2/NDF:135682.6/4

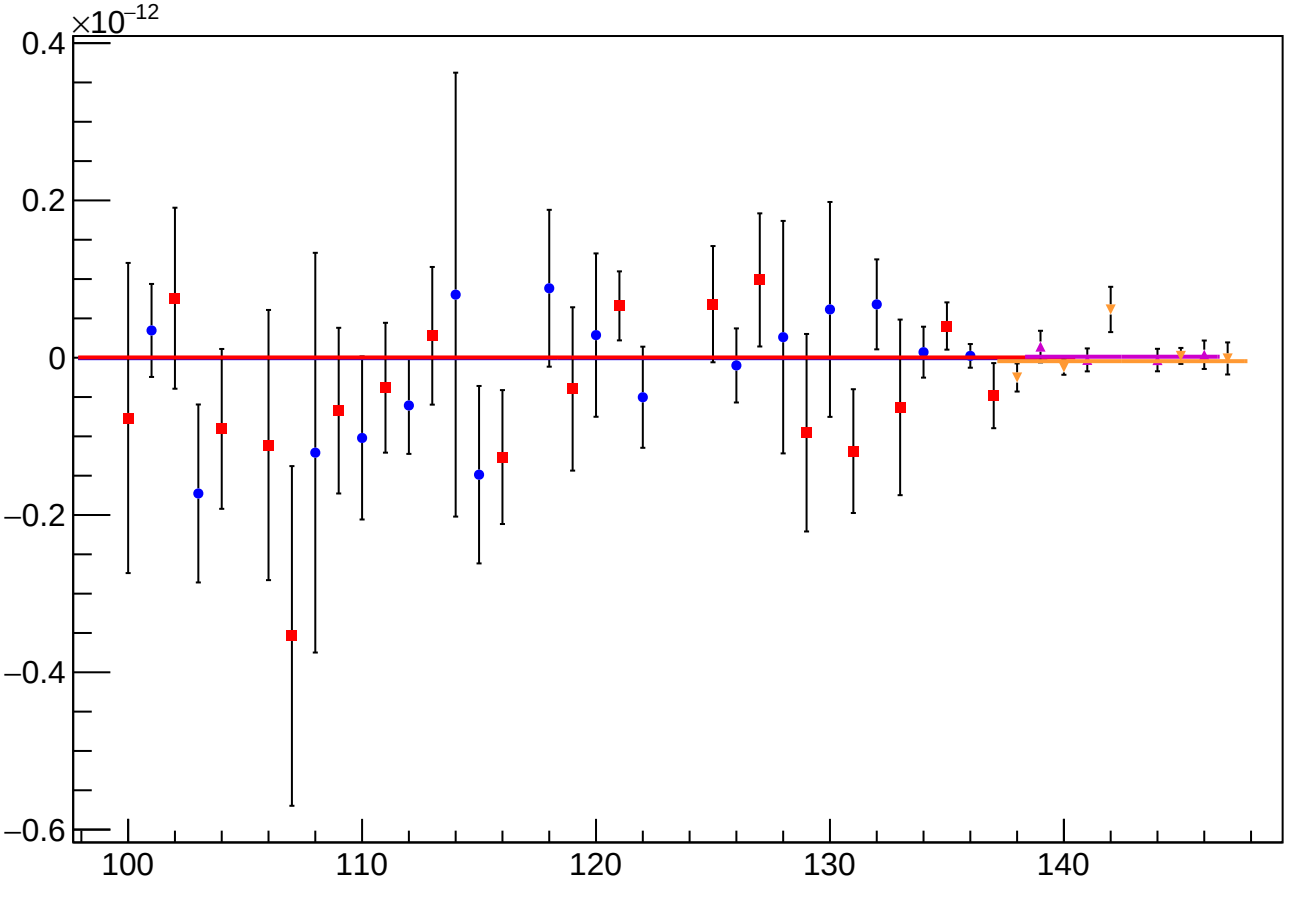
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

\+ sign 40.940+/-0.010 χ^2/NDF: 1552598.9/20

All: 38.811+/-0.007 χ^2/NDF: 3520920.5/42

\- sign 36.882+/-0.009 χ^2/NDF: 1877995.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/4

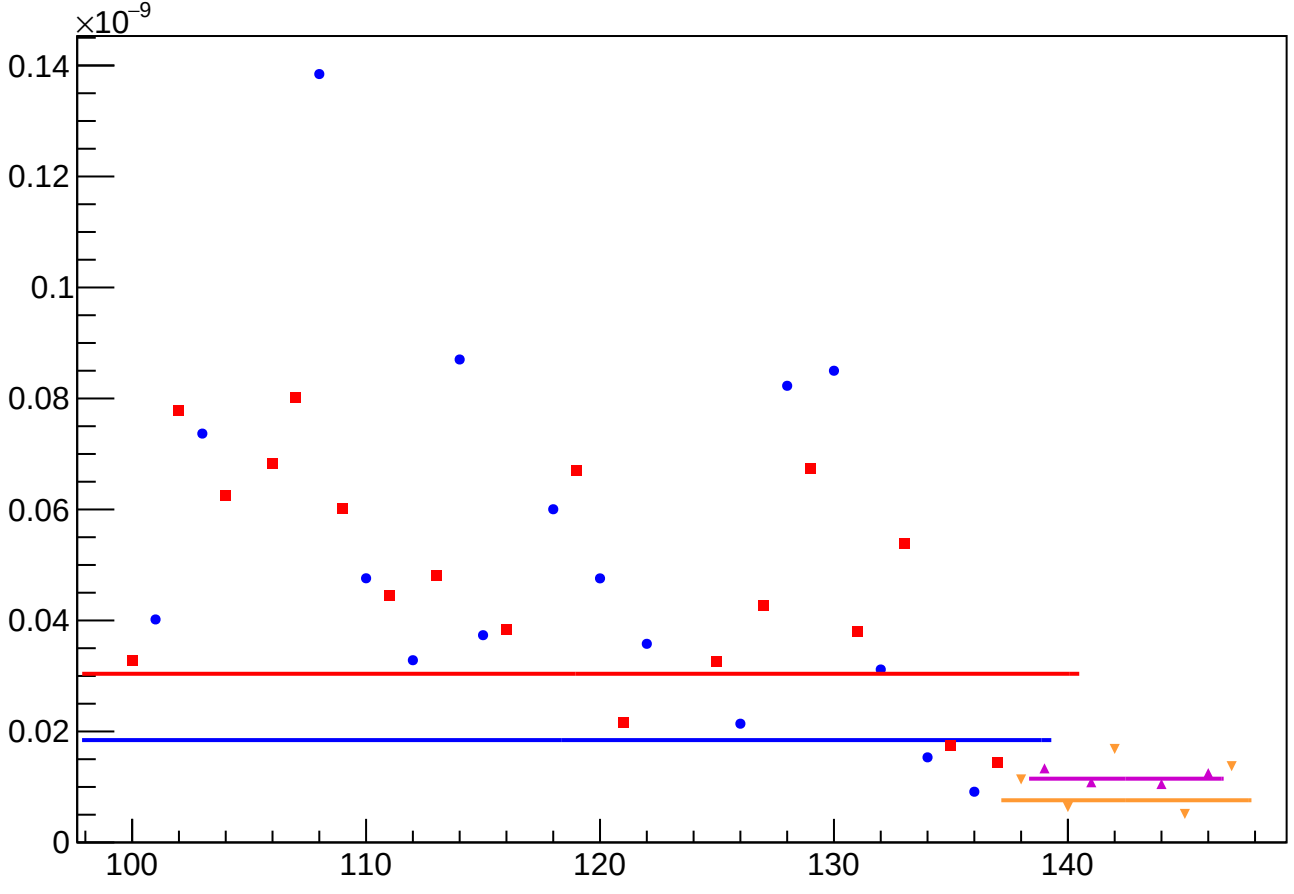
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/20

All: -0.000+/-0.000 χ^2/NDF: 36.9/42

- sign 0.000+/-0.000 χ^2/NDF: 18.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:627281.6/4

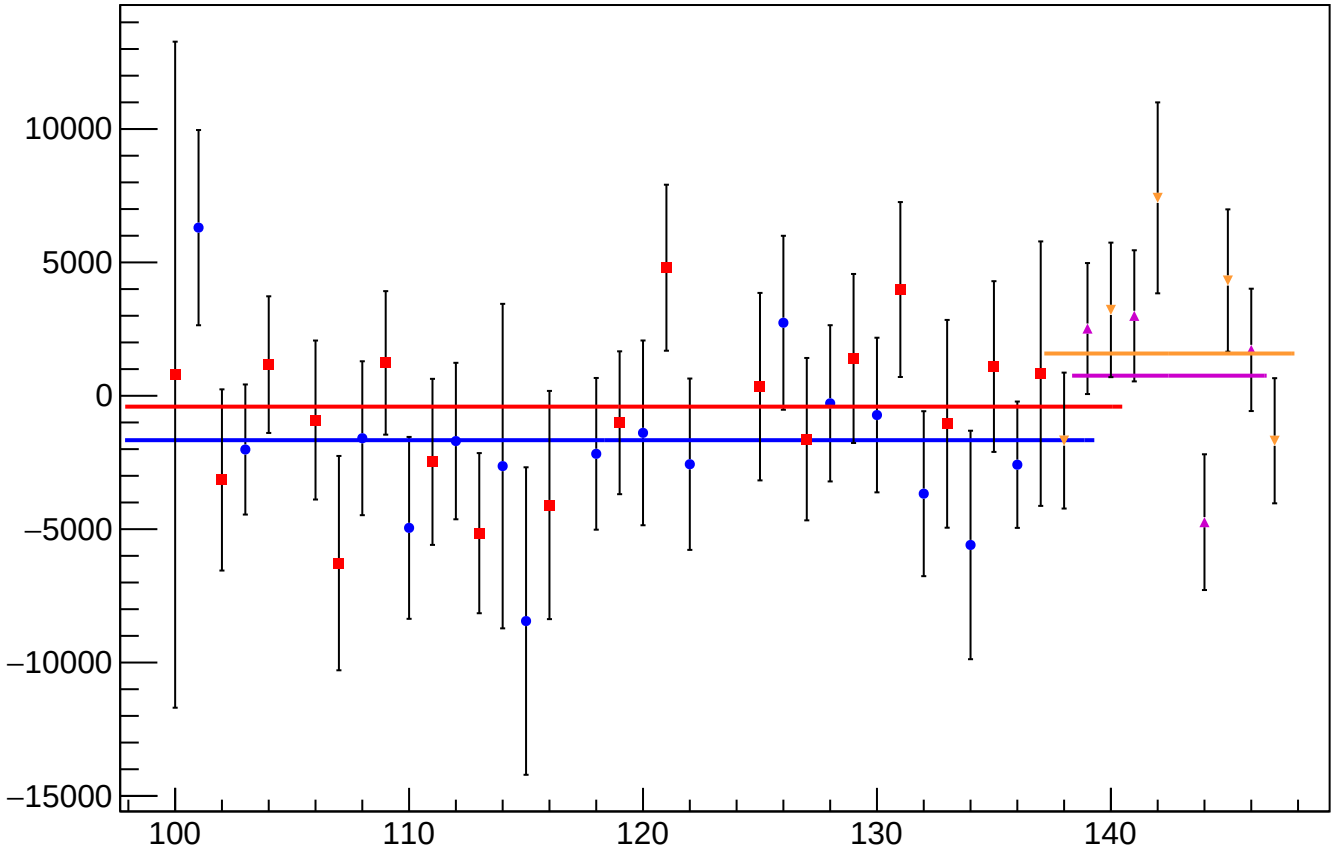
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:36163.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 6035123.1/20

All: 0.000+/-0.000 χ^2/NDF: 11262432.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4543062.1/21



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1584.800+/-1185.422 χ^2/NDF:7.7/4

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

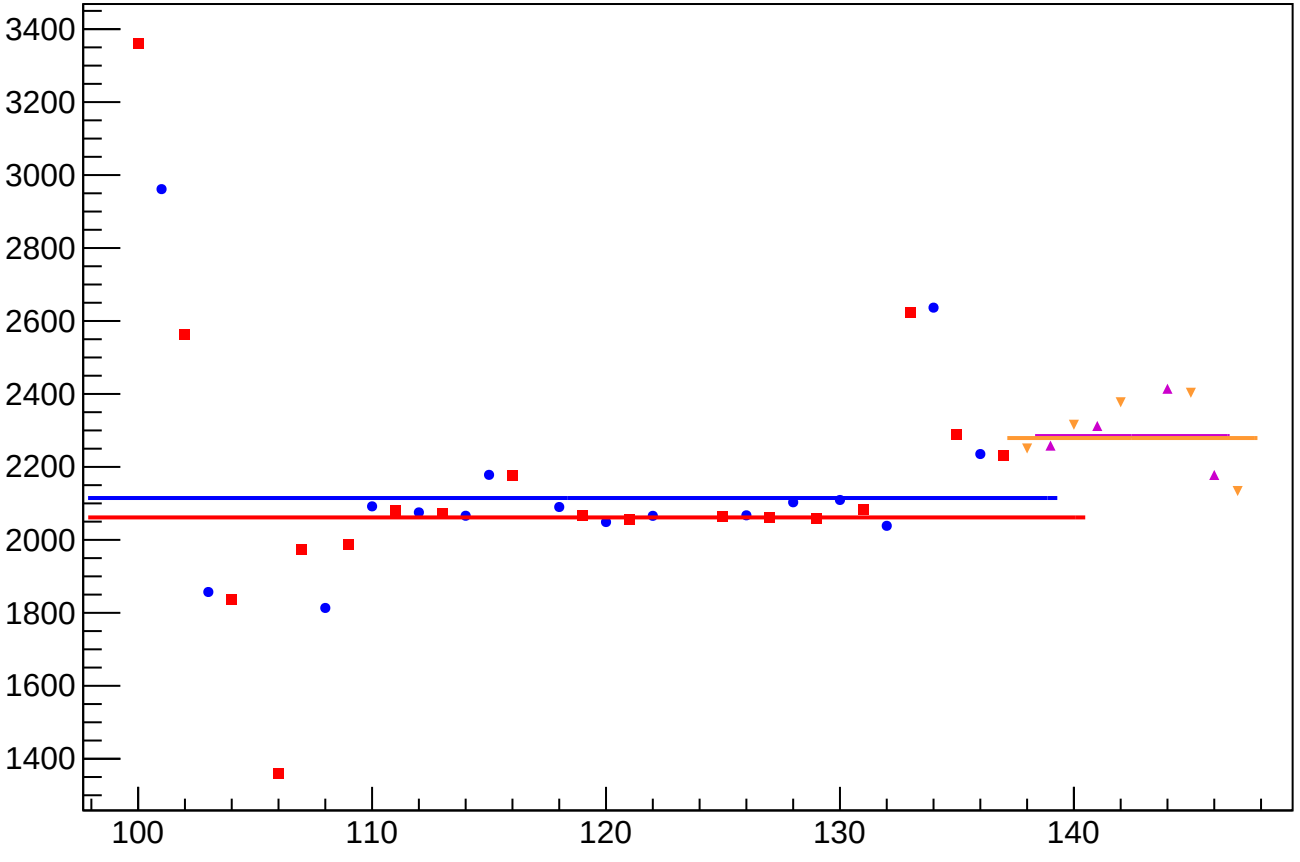
Left In: 754.109+/-1216.254 χ^2/NDF:6.2/3

\+ sign -661.285+/-658.637 χ^2/NDF: 23.7/20

All: -364.085+/-464.393 χ^2/NDF: 43.7/42

\- sign -70.263+/-654.882 χ^2/NDF: 19.6/21

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

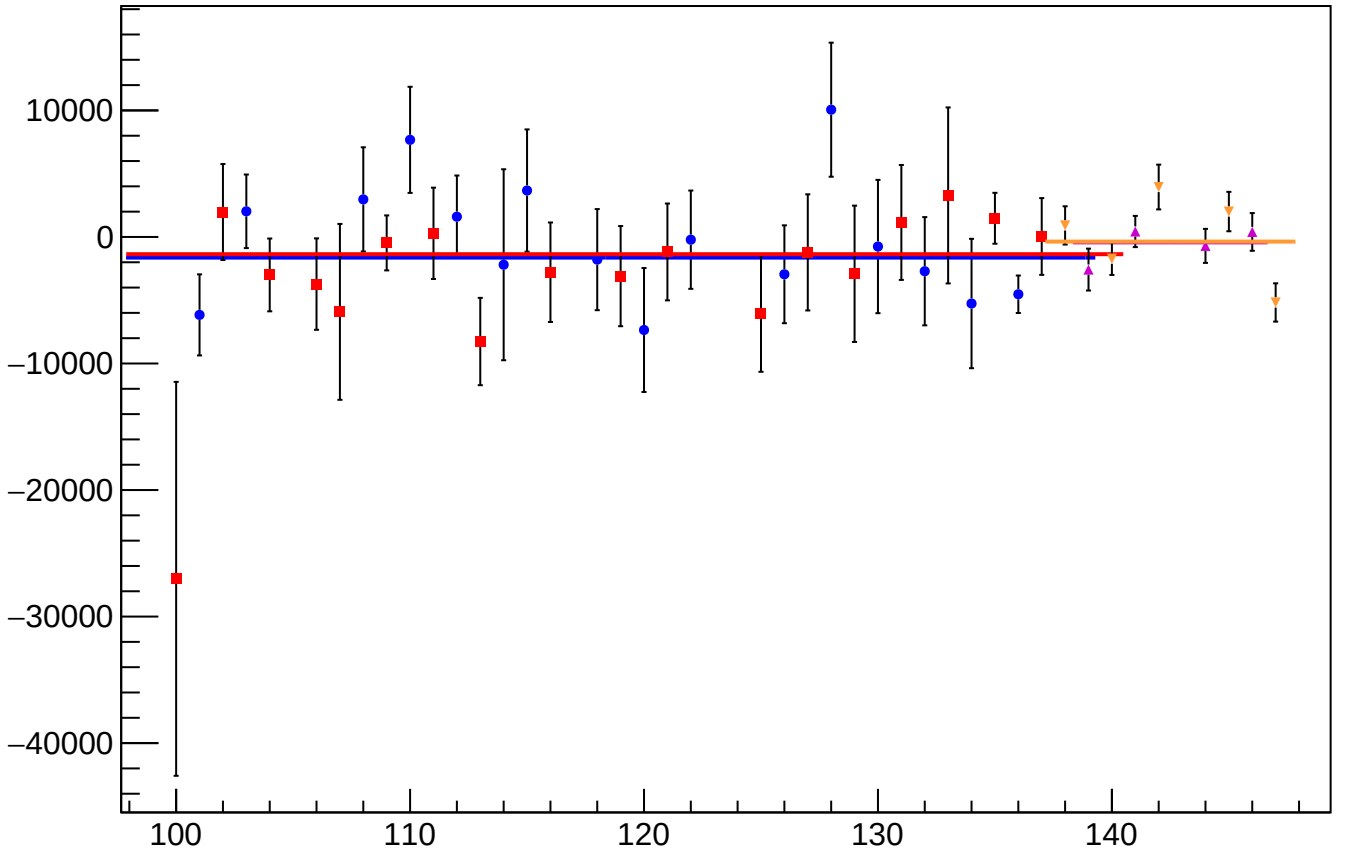
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

\+ sign 2165.502+/-0.466 χ^2/NDF: 230669.0/20

All: 2145.753+/-0.328 χ^2/NDF: 541199.3/42

\- sign 2126.228+/-0.463 χ^2/NDF: 306954.4/21



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -366.697+/-672.449 χ^2/NDF:20.2/4

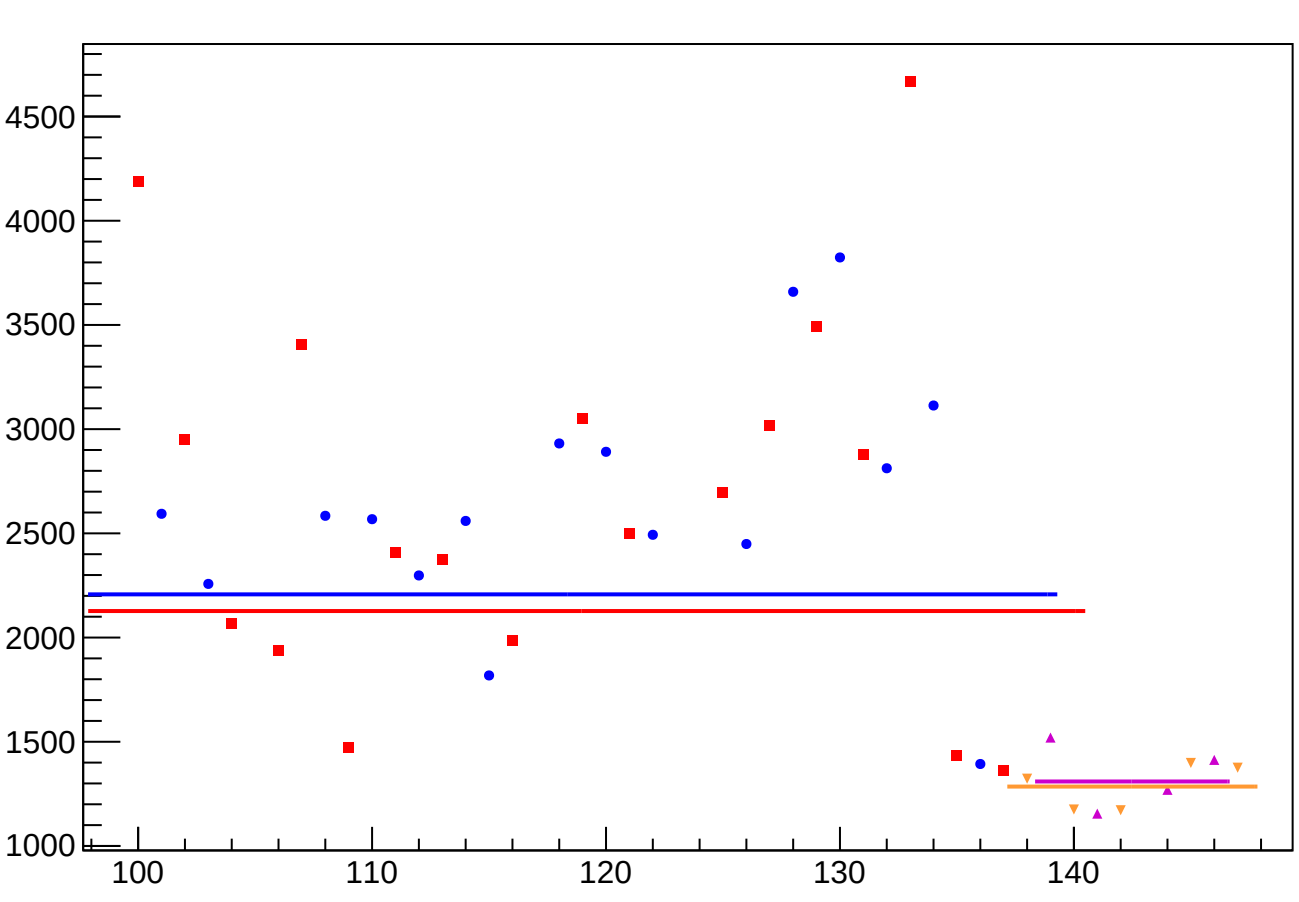
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -428.026+/-702.523 χ^2/NDF:2.5/3

+ sign -844.530+/-530.298 χ^2/NDF: 44.4/20

All: -828.598+/-378.018 χ^2/NDF: 61.1/42

- sign -812.139+/-539.006 χ^2/NDF: 16.7/21



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1284.962+/-0.475 χ^2/NDF:41916.8/4

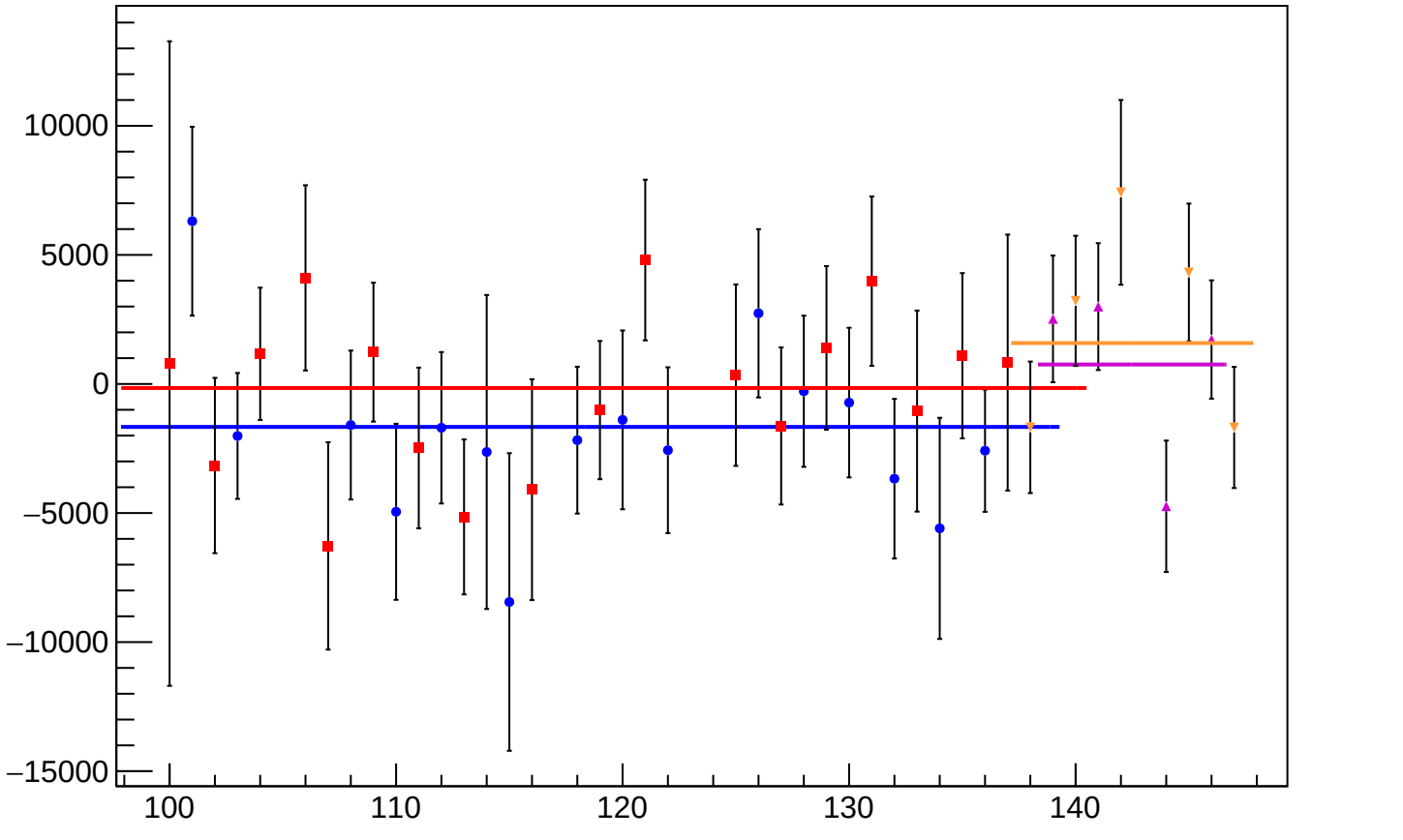
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1309.415+/-0.497 χ^2/NDF:75097.7/3

+ sign 1633.679+/-0.375 χ^2/NDF: 2713687.7/20

All: 1639.646+/-0.267 χ^2/NDF: 5362183.0/42

- sign 1645.810+/-0.381 χ^2/NDF: 2647980.6/21



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1585.061+/-1185.423 χ^2/NDF:7.7/4

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

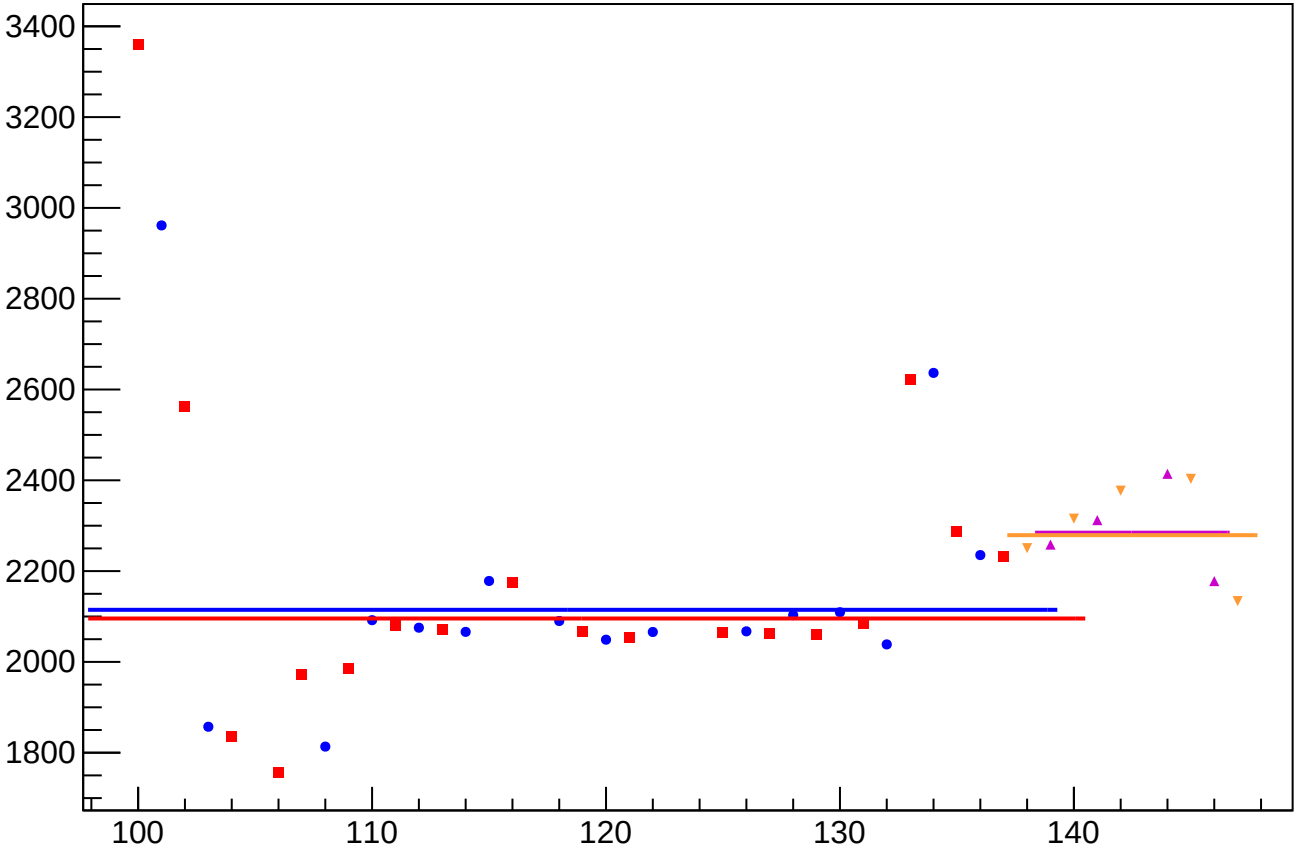
Left In: 754.325+/-1216.254 χ^2/NDF:6.2/3

+ sign -661.153+/-658.637 χ^2/NDF: 23.7/20

All: -275.236+/-466.151 χ^2/NDF: 45.2/42

- sign 112.090+/-659.839 χ^2/NDF: 20.8/21

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

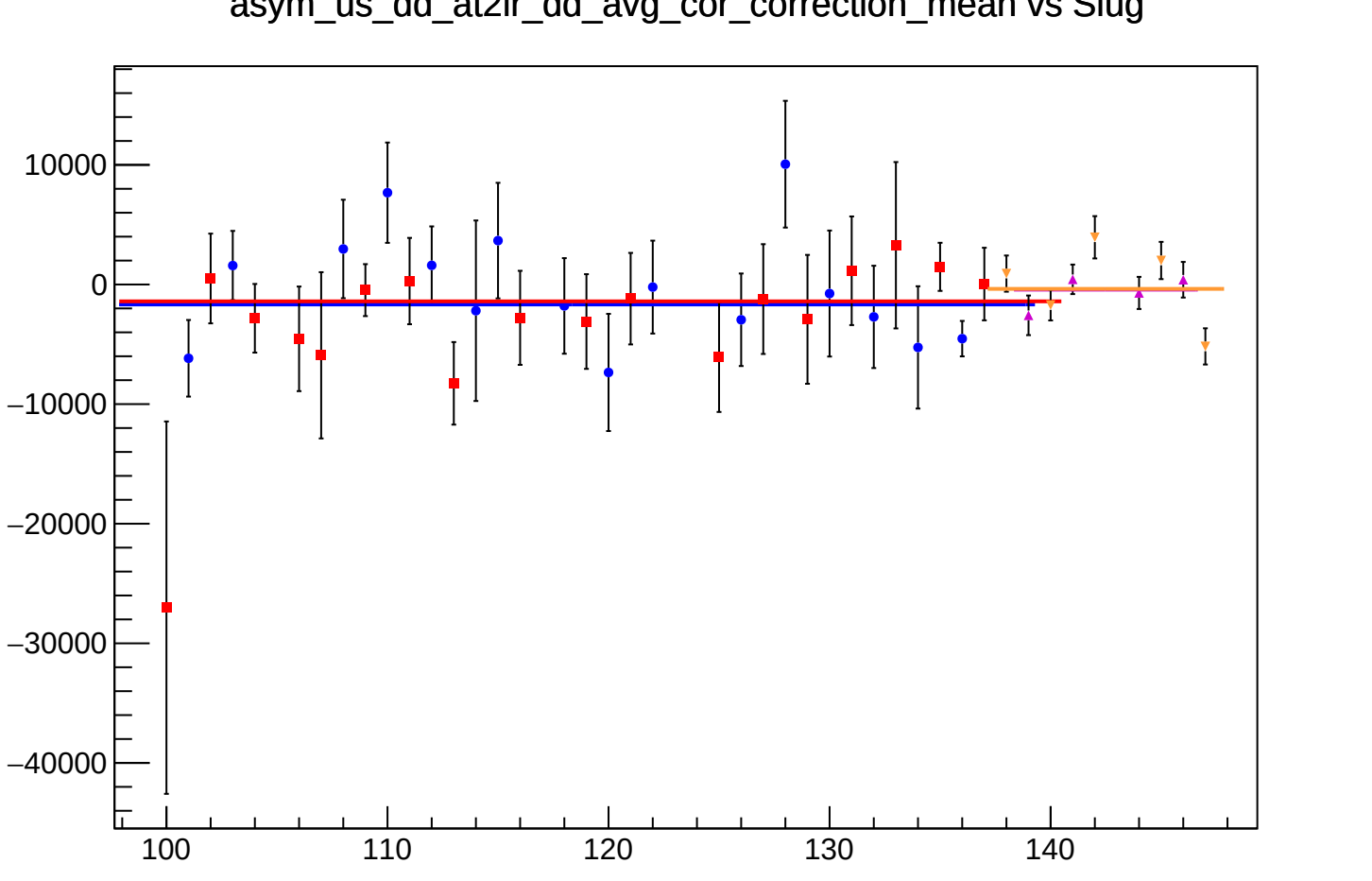
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

+ sign 2165.502+/-0.466 χ^2/NDF: 230669.4/20

All: 2158.379+/-0.330 χ^2/NDF: 424588.1/42

- sign 2151.230+/-0.467 χ^2/NDF: 193450.0/21



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -366.747+/-672.460 χ^2/NDF:20.2/4

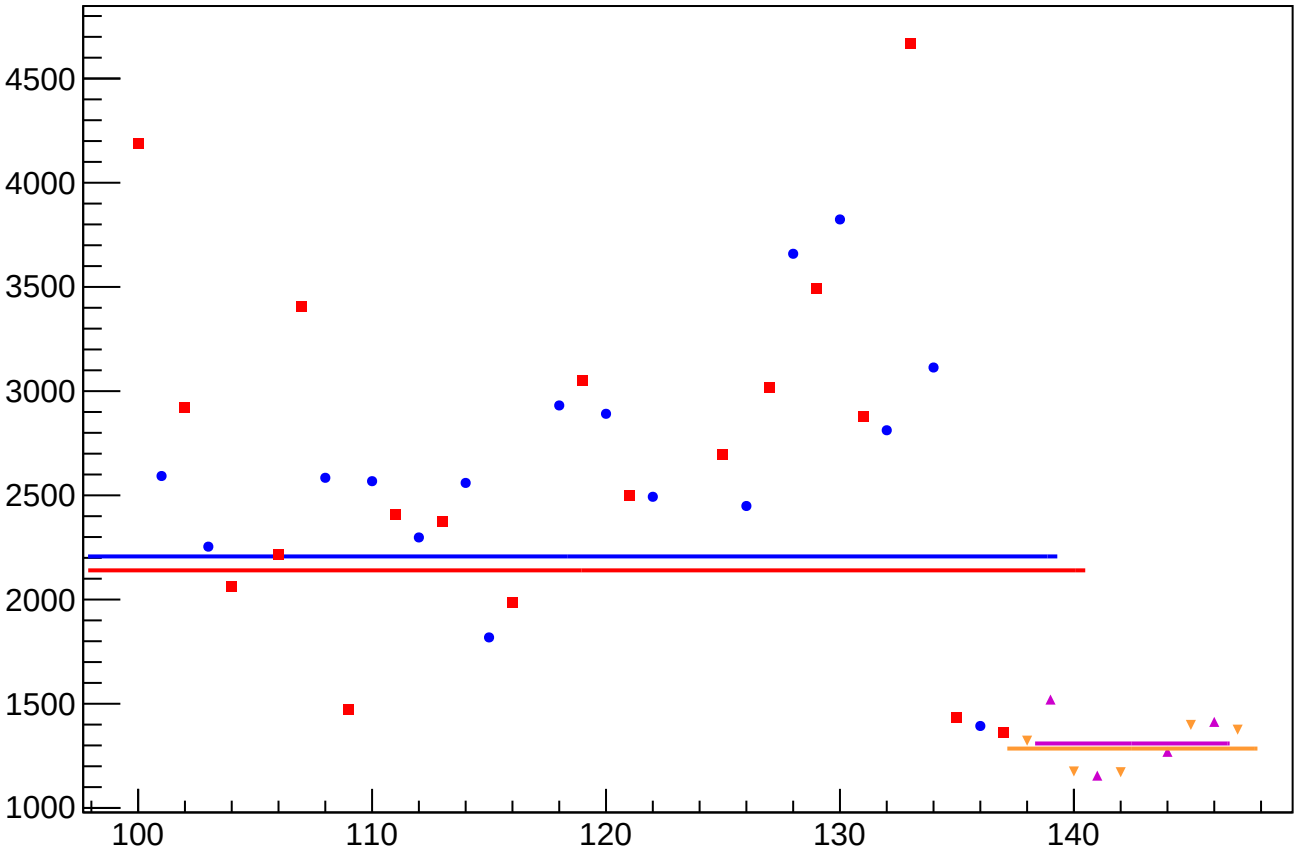
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -428.002+/-702.517 χ^2/NDF:2.5/3

\+ sign -859.148+/-530.236 χ^2/NDF: 44.1/20

All: -843.567+/-378.595 χ^2/NDF: 60.4/42

\- sign -827.362+/-540.746 χ^2/NDF: 16.3/21



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

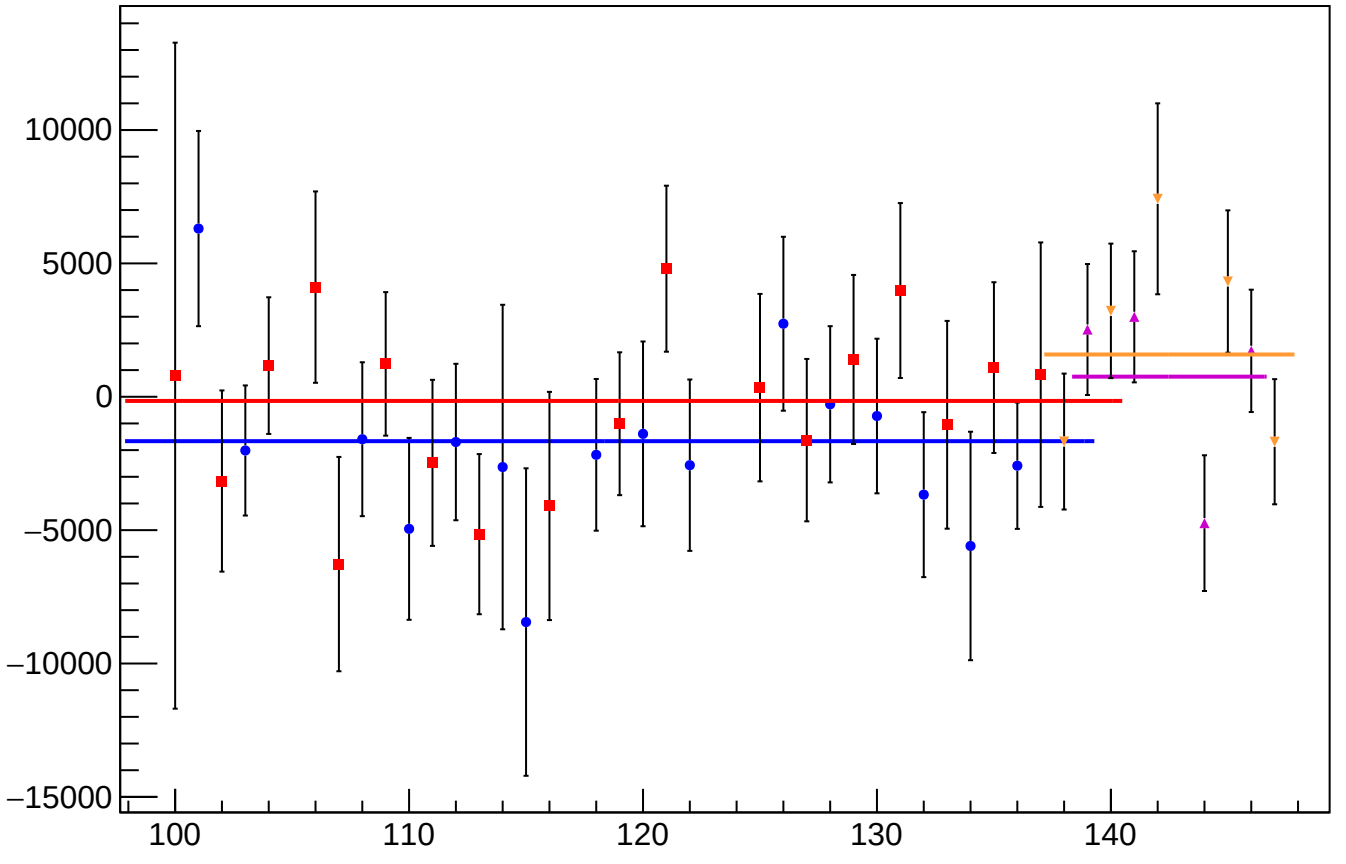
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

+ sign 1633.721+/-0.375 χ^2/NDF: 2712899.6/20

All: 1640.678+/-0.268 χ^2/NDF: 5376572.6/42

- sign 1647.913+/-0.382 χ^2/NDF: 2662970.5/21



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1585.061+/-1185.423 χ^2/NDF:7.7/4

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

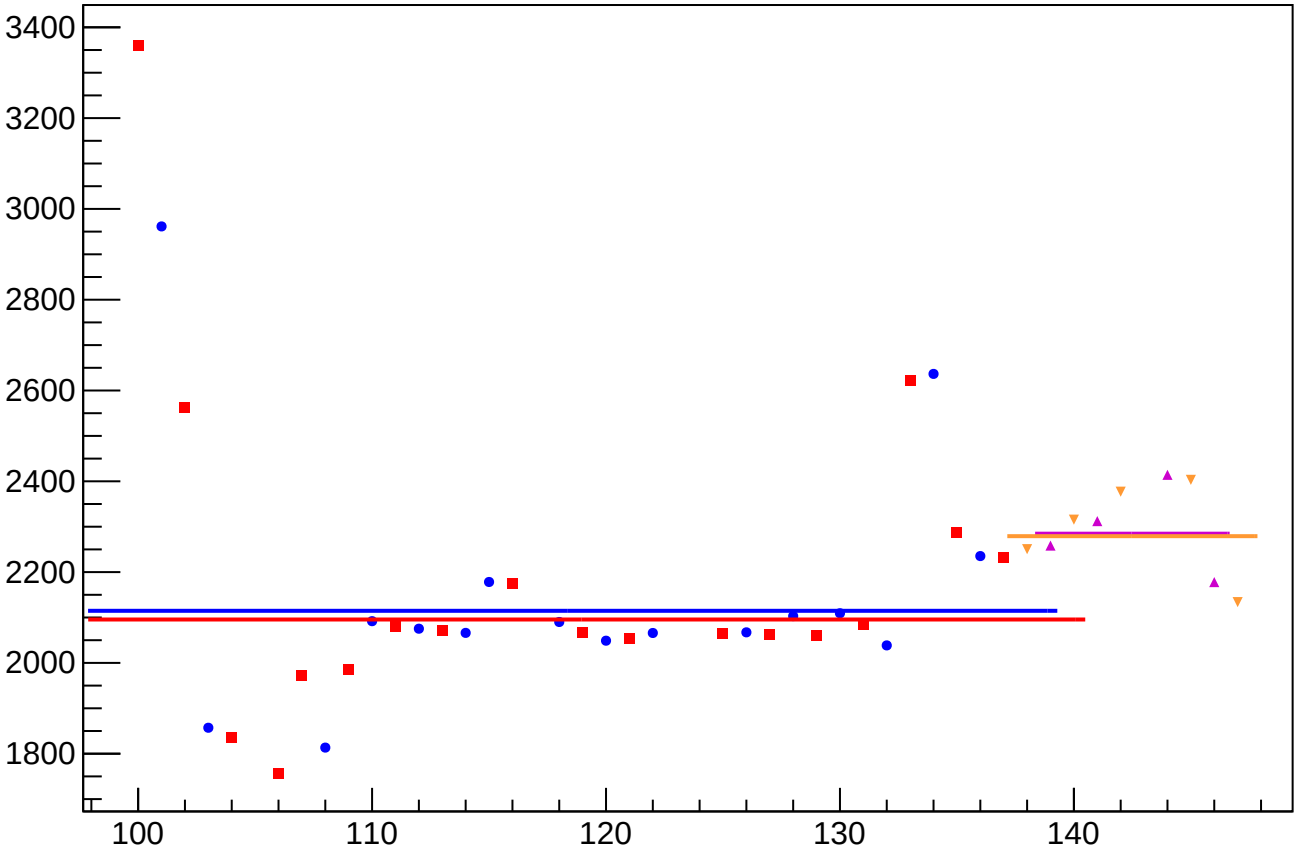
Left In: 754.325+/-1216.254 χ^2/NDF:6.2/3

+ sign -661.153+/-658.637 χ^2/NDF: 23.7/20

All: -275.236+/-466.151 χ^2/NDF: 45.2/42

- sign 112.090+/-659.839 χ^2/NDF: 20.8/21

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: 2279.140+/-0.838 χ^2/NDF:14161.3/4

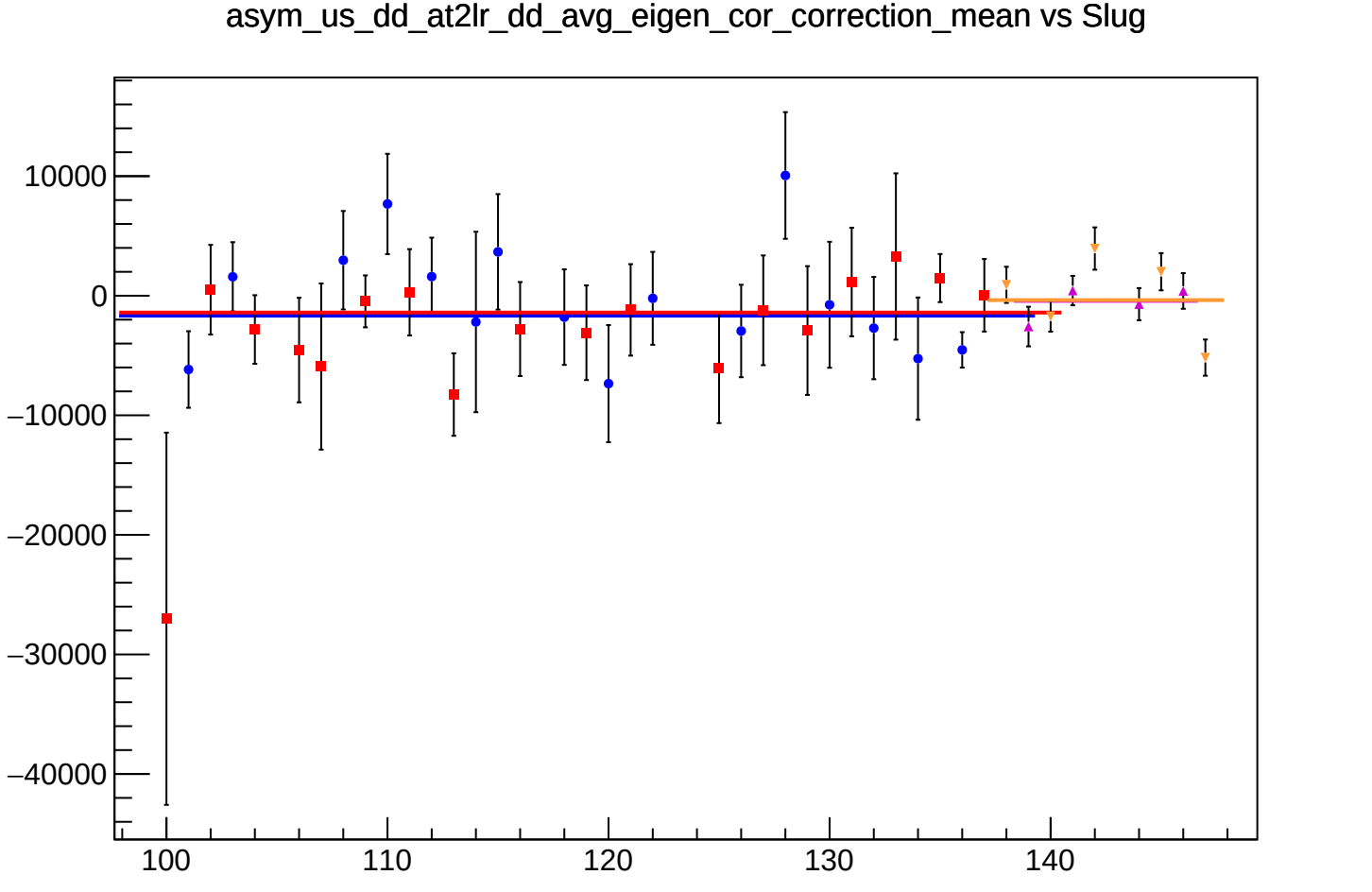
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

+ sign 2165.502+/-0.466 χ^2/NDF: 230669.4/20

All: 2158.379+/-0.330 χ^2/NDF: 424588.1/42

- sign 2151.230+/-0.467 χ^2/NDF: 193450.0/21



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -366.747+/-672.460 χ^2/NDF:20.2/4

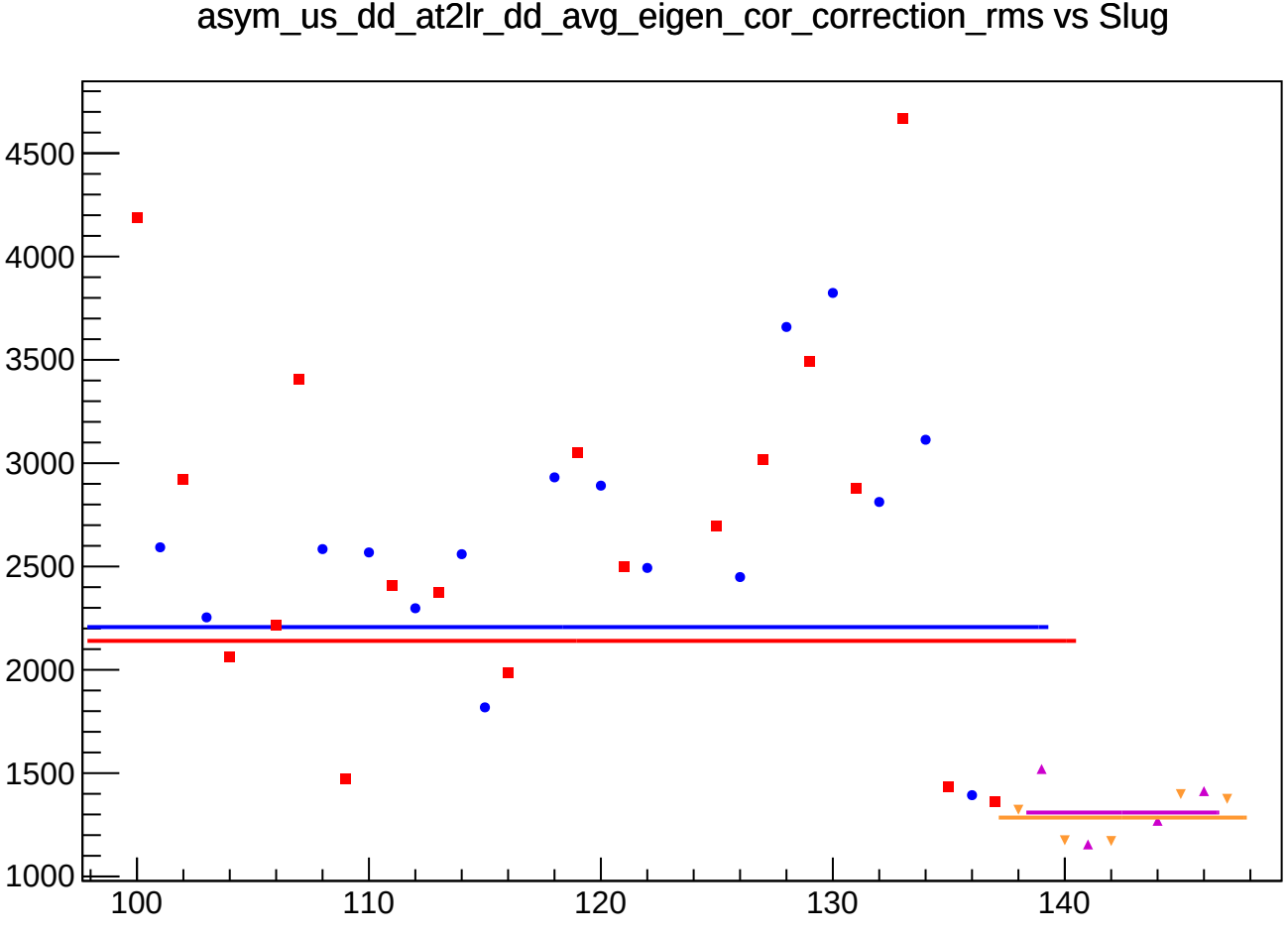
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -428.002+/-702.517 χ^2/NDF:2.5/3

\+ sign -859.148+/-530.236 χ^2/NDF: 44.1/20

All: -843.567+/-378.595 χ^2/NDF: 60.4/42

\- sign -827.362+/-540.746 χ^2/NDF: 16.3/21



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

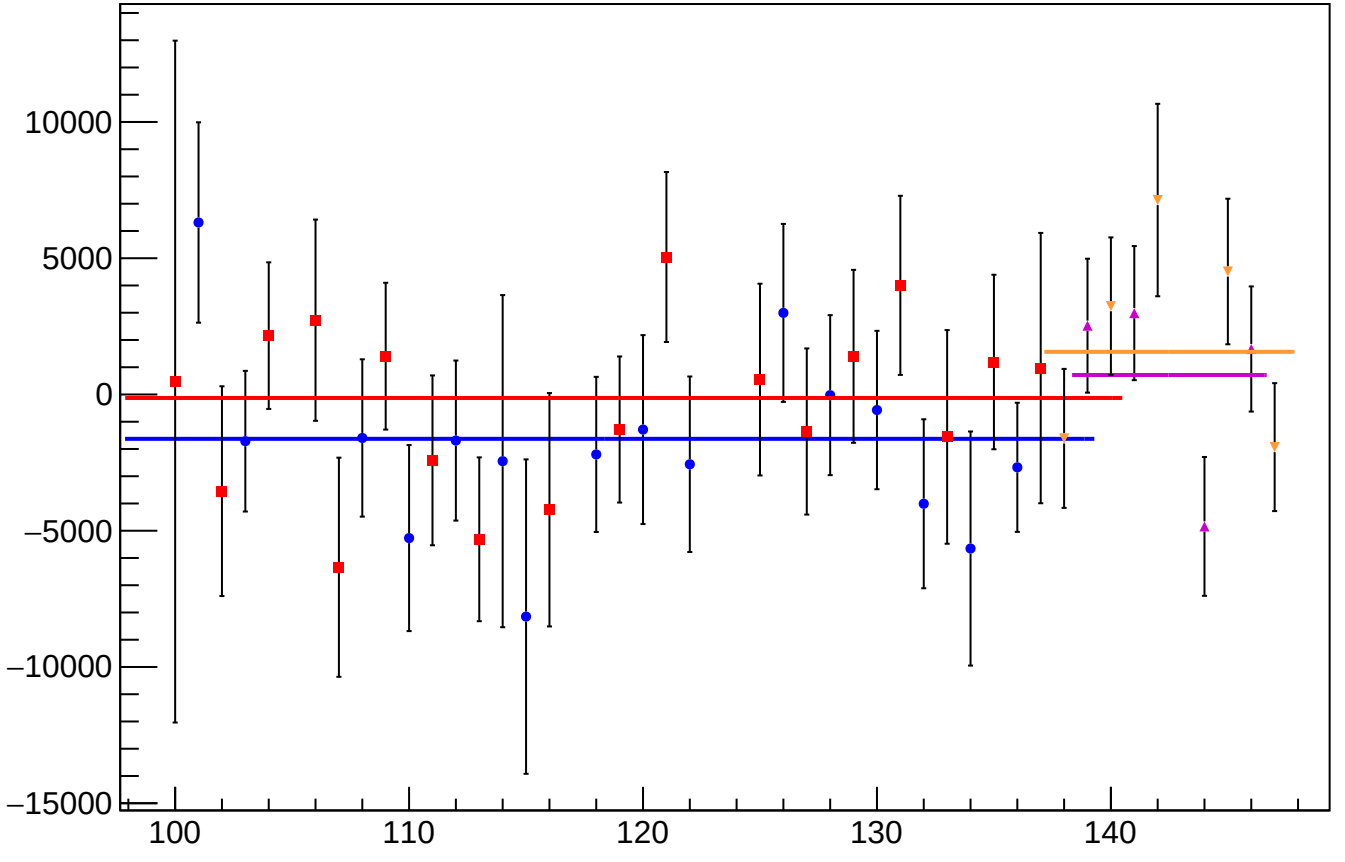
Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

+ sign 1633.721+/-0.375 χ^2/NDF: 2712899.6/20

All: 1640.678+/-0.268 χ^2/NDF: 5376572.6/42

- sign 1647.913+/-0.382 χ^2/NDF: 2662970.5/21

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 1564.897+/-1184.732 χ^2/NDF:7.9/4

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

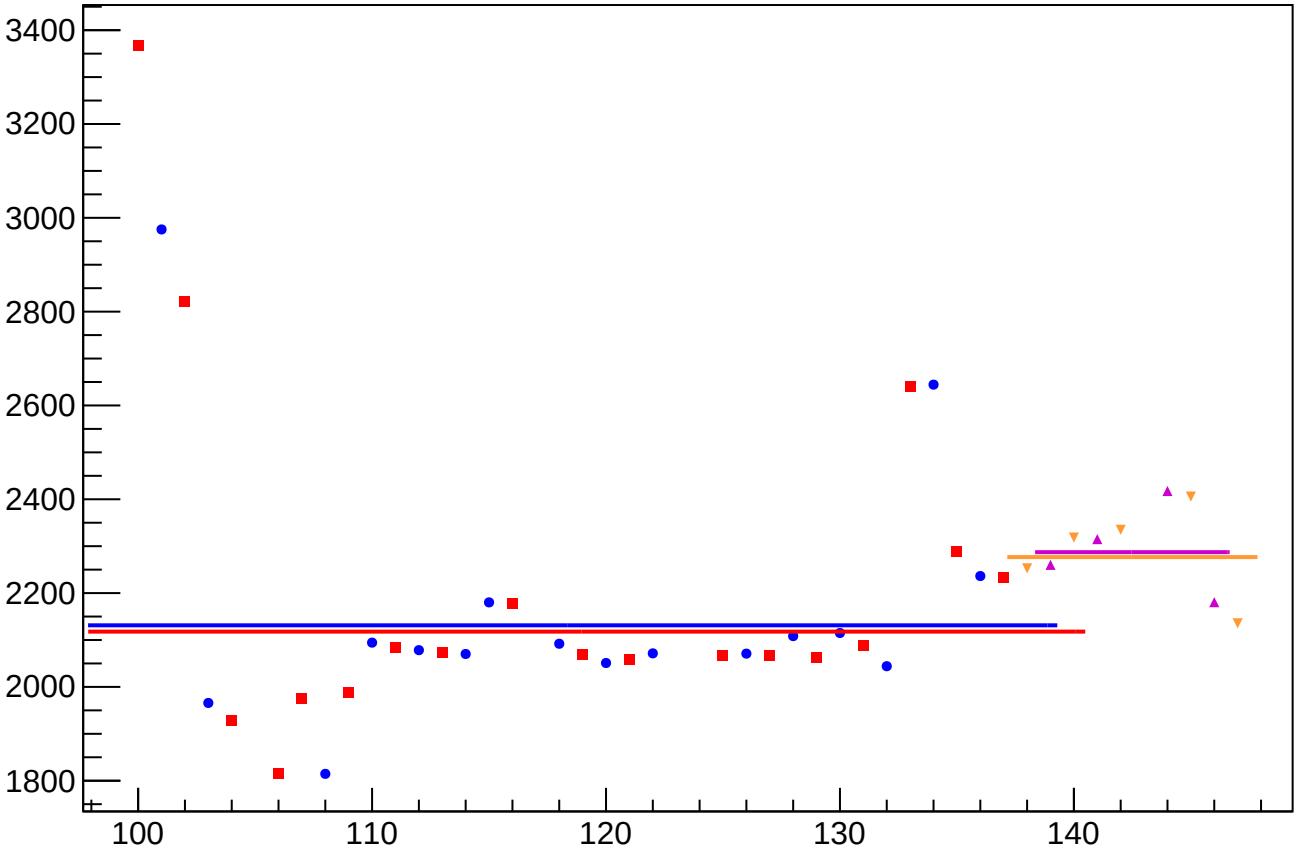
Left In: 714.708+/-1217.650 χ^2/NDF:6.3/3

+ sign -631.307+/-661.841 χ^2/NDF: 24.2/20

All: -256.042+/-469.528 χ^2/NDF: 46.1/42

- sign 124.192+/-666.208 χ^2/NDF: 21.2/21

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2276.728+/-0.838 χ^2/NDF:13160.5/4

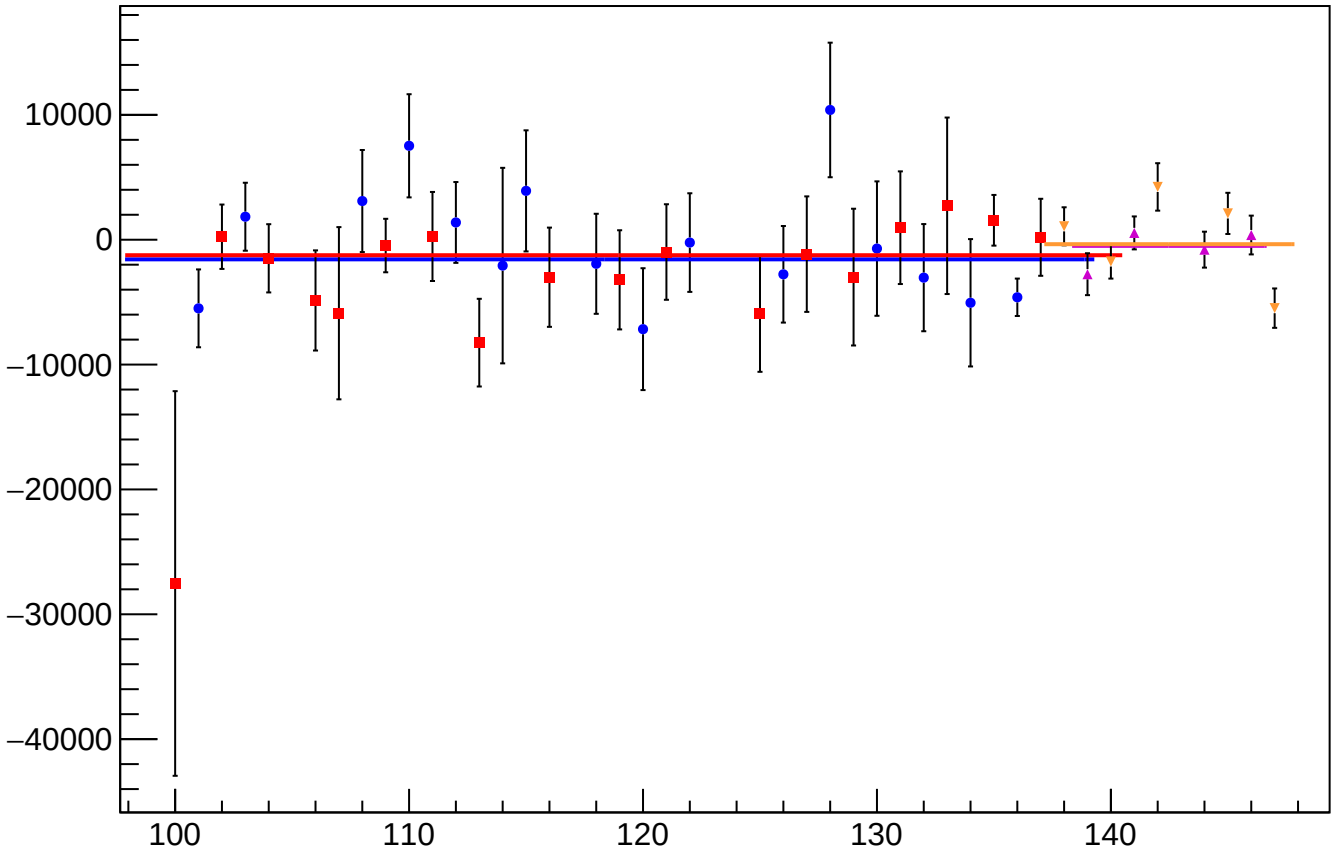
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

+ sign 2176.684+/-0.468 χ^2/NDF: 209835.4/20

All: 2172.649+/-0.332 χ^2/NDF: 410756.7/42

- sign 2168.561+/-0.471 χ^2/NDF: 200771.6/21



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -357.799+/-705.643 χ^2/NDF:20.5/4

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

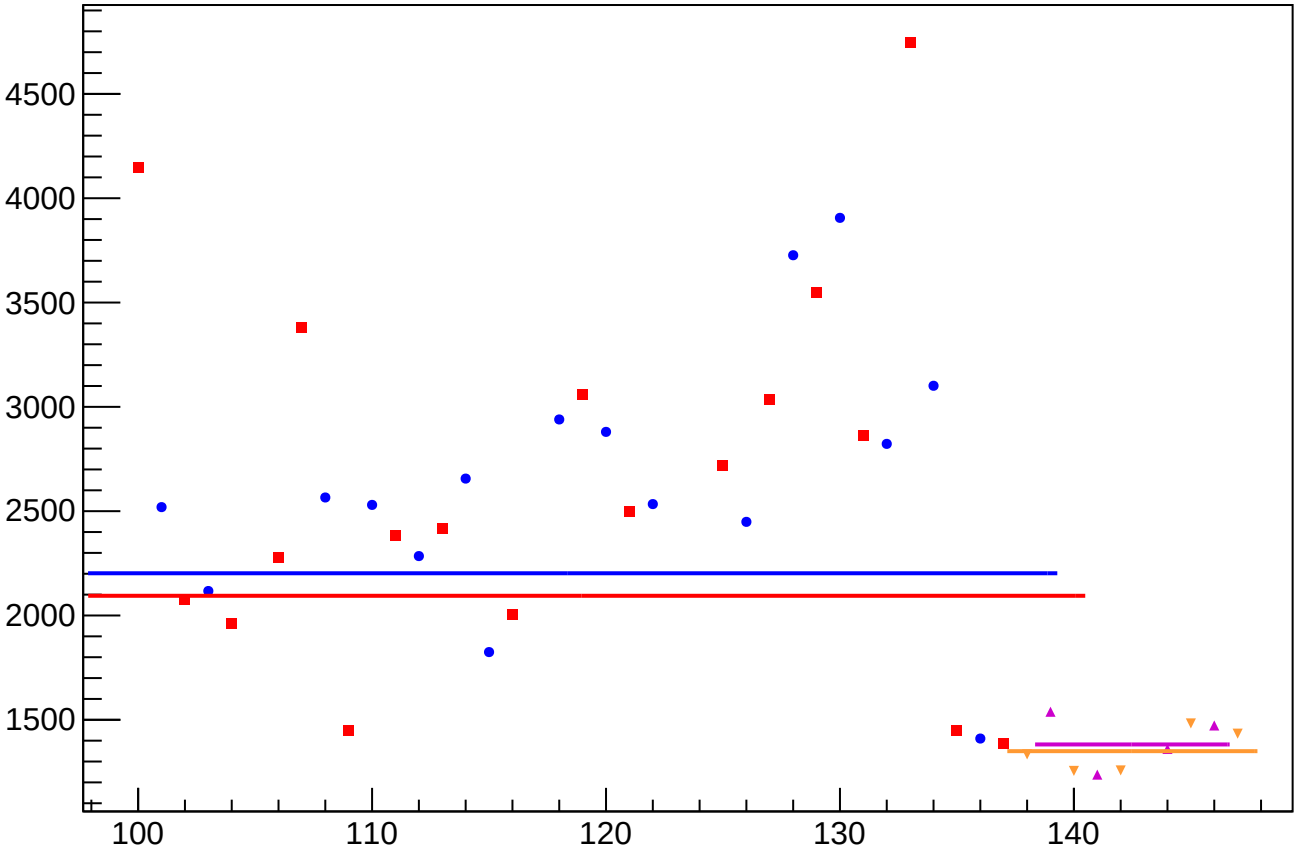
Left In: -490.096+/-739.970 χ^2/NDF:2.8/3

+ sign -846.137+/-545.450 χ^2/NDF: 44.3/20

All: -836.751+/-387.042 χ^2/NDF: 60.6/42

- sign -827.231+/-549.291 χ^2/NDF: 16.3/21

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1349.690+/-0.499 χ^2/NDF:33101.8/4

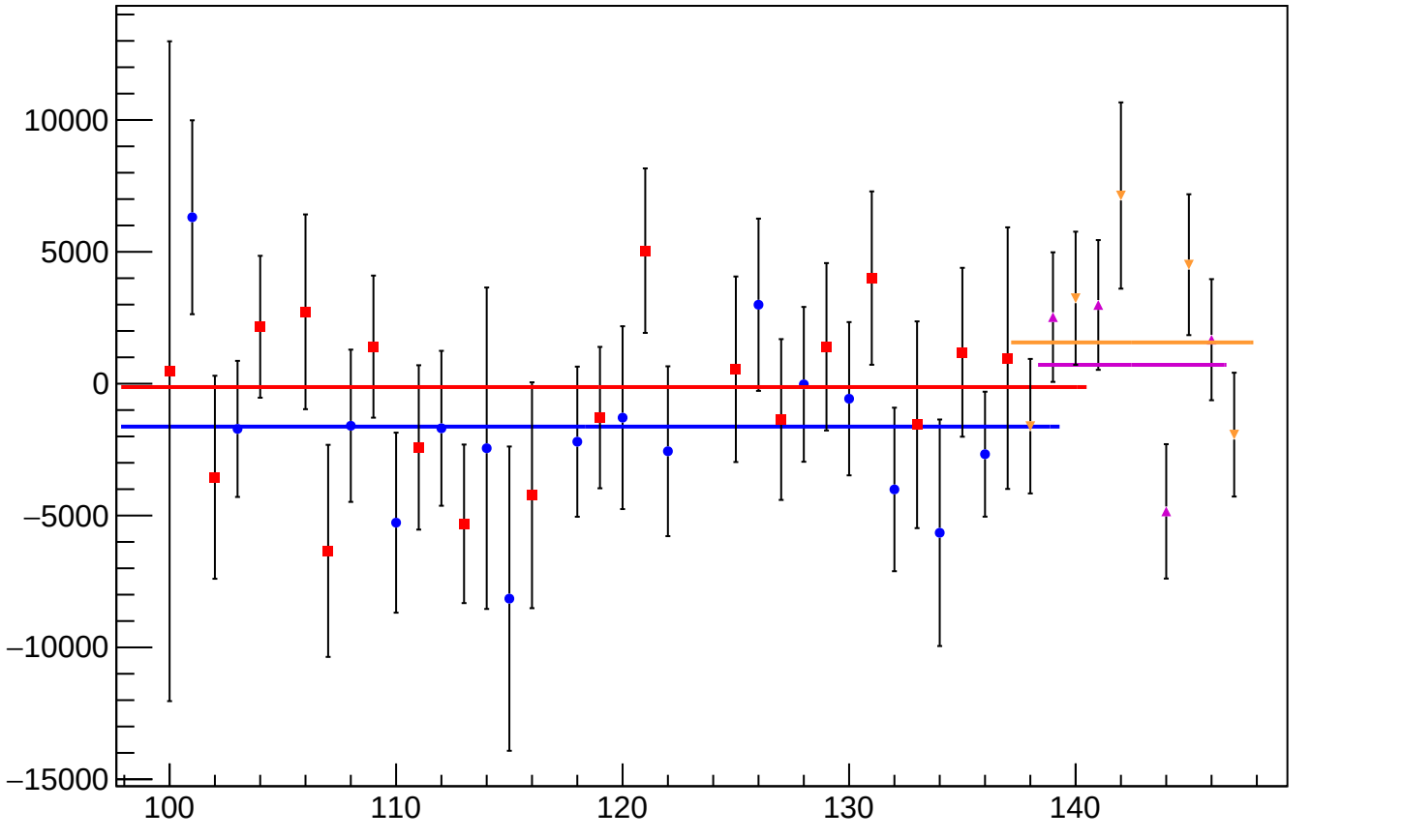
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1381.875+/-0.523 χ^2/NDF:48752.6/3

+ sign 1692.894+/-0.386 χ^2/NDF: 2431512.8/20

All: 1697.314+/-0.274 χ^2/NDF: 4686876.5/42

- sign 1701.796+/-0.388 χ^2/NDF: 2255099.2/21



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 1564.904+/-1184.732 χ^2/NDF:7.9/4

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

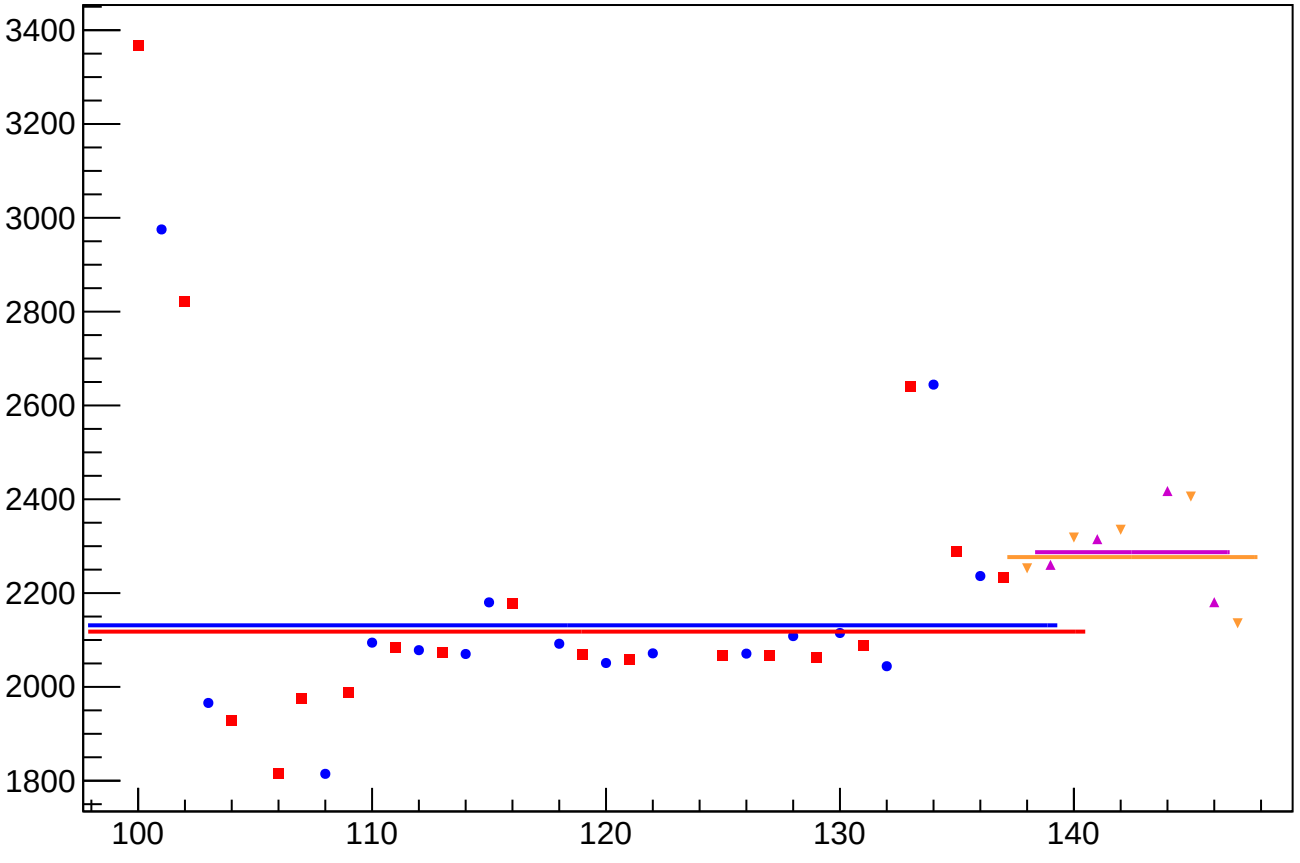
Left In: 714.694+/-1217.650 χ^2/NDF:6.3/3

+ sign -631.307+/-661.841 χ^2/NDF: 24.2/20

All: -256.041+/-469.528 χ^2/NDF: 46.1/42

- sign 124.192+/-666.208 χ^2/NDF: 21.2/21

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: 2276.728+/-0.838 χ^2/NDF:13160.5/4

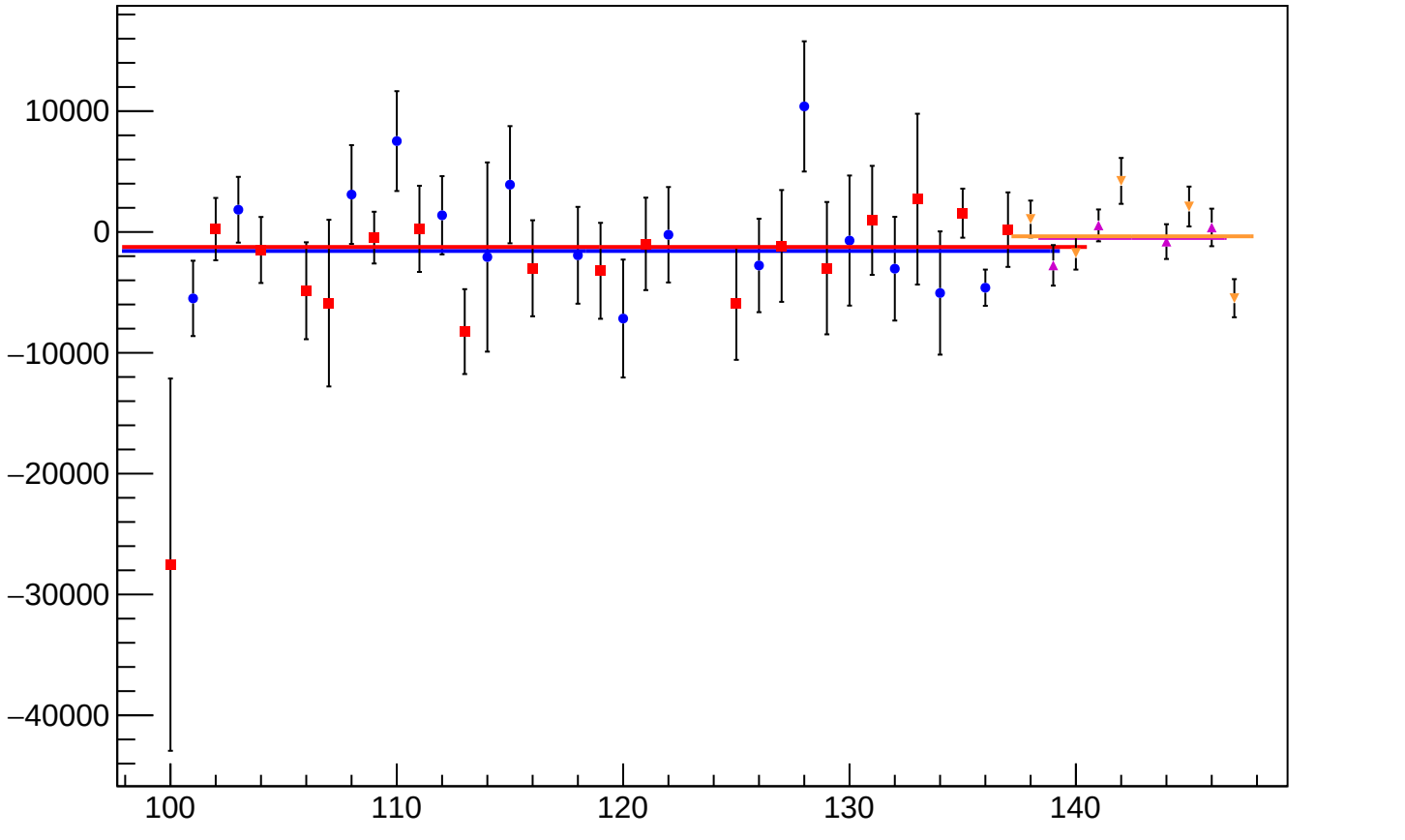
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

+ sign 2176.684+/-0.468 χ^2/NDF: 209835.4/20

All: 2172.649+/-0.332 χ^2/NDF: 410756.7/42

- sign 2168.561+/-0.471 χ^2/NDF: 200771.6/21



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -357.807+/-705.647 χ^2/NDF:20.5/4

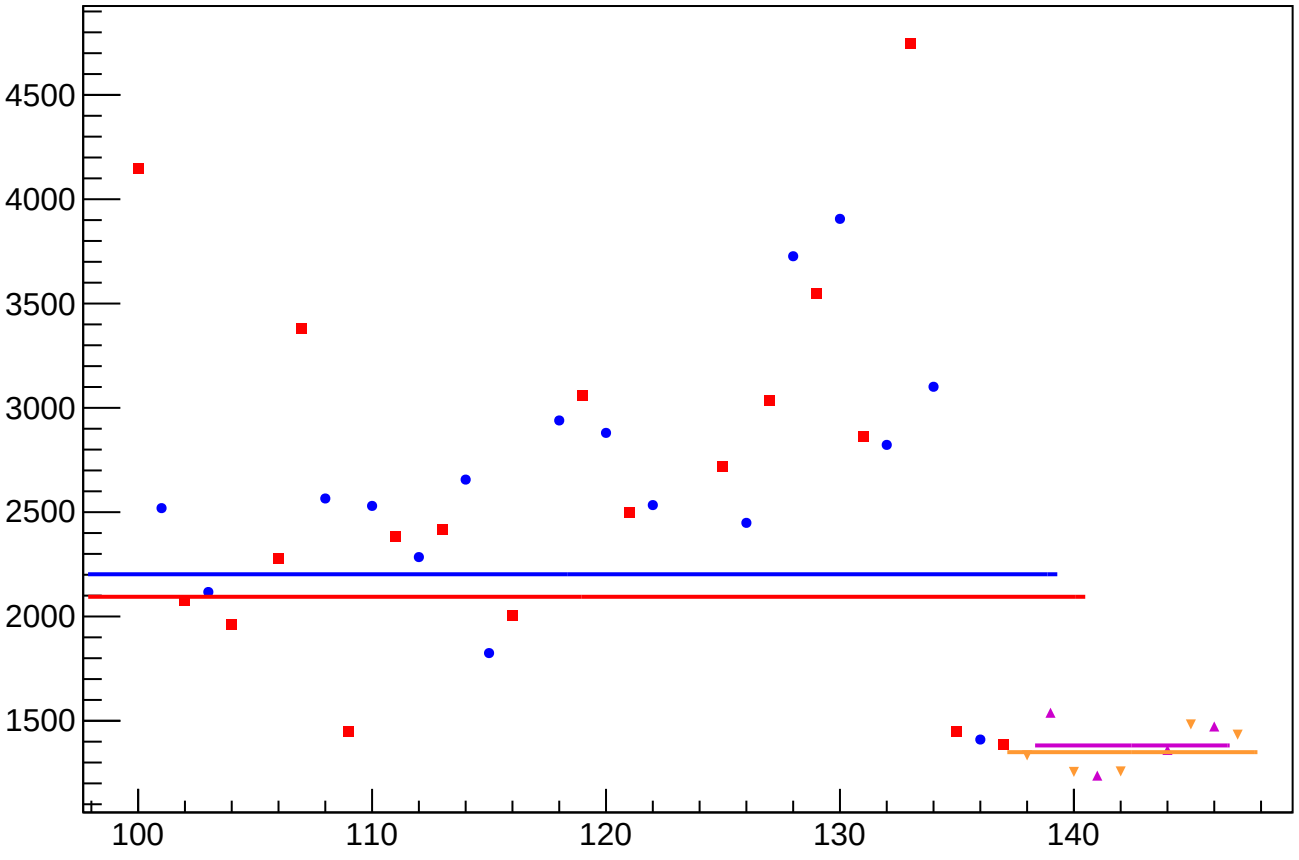
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -490.091+/-739.971 χ^2/NDF:2.8/3

\+ sign -846.137+/-545.453 χ^2/NDF: 44.3/20

All: -836.752+/-387.044 χ^2/NDF: 60.6/42

\- sign -827.234+/-549.292 χ^2/NDF: 16.3/21



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1349.698+/-0.499 χ^2/NDF:33099.3/4

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

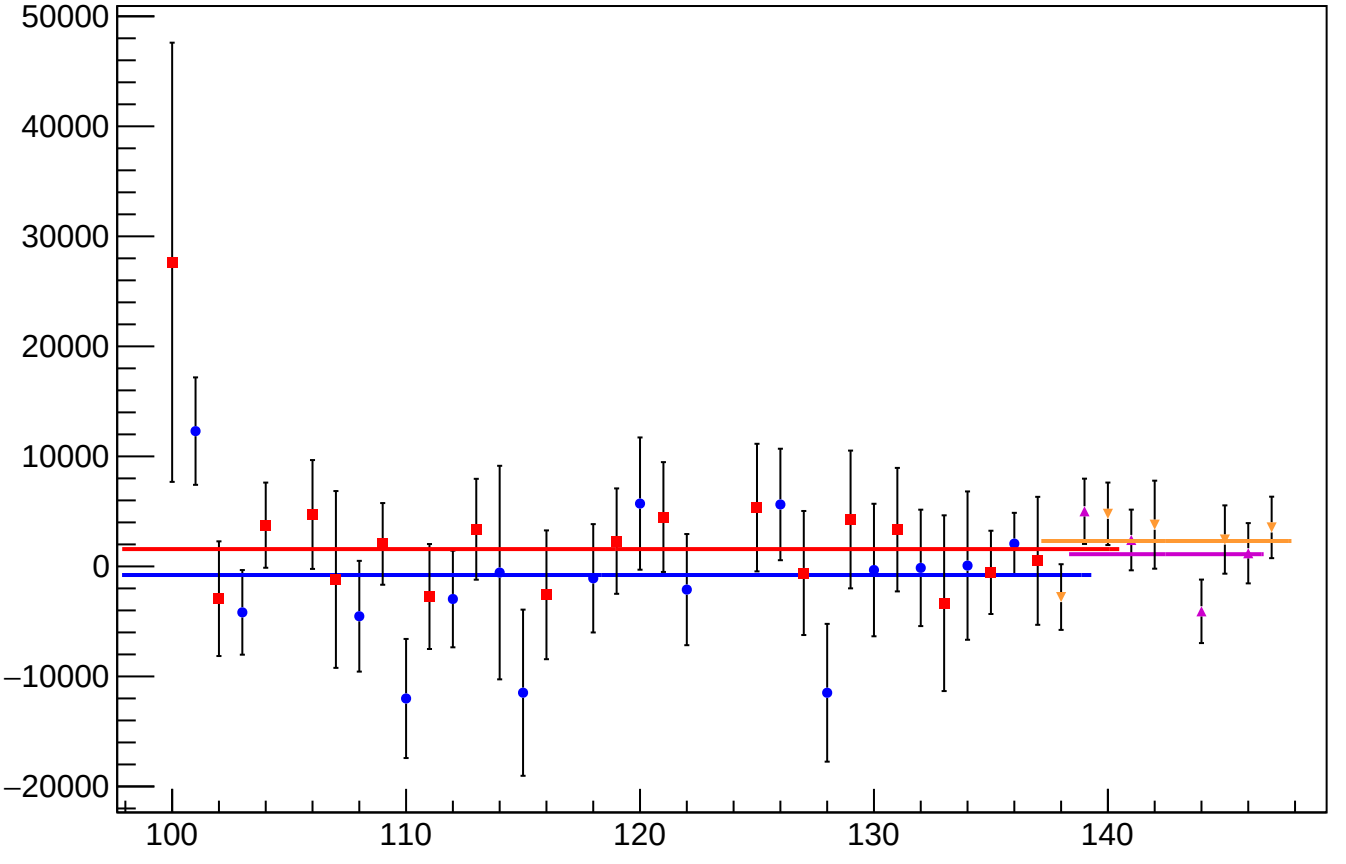
Left In: 1381.877+/-0.523 χ^2/NDF:48754.5/3

+ sign 1692.905+/-0.386 χ^2/NDF: 2431454.4/20

All: 1697.322+/-0.274 χ^2/NDF: 4686792.3/42

- sign 1701.801+/-0.388 χ^2/NDF: 2255073.7/21

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2308.728+/-1372.713 χ^2/NDF:4.0/4

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

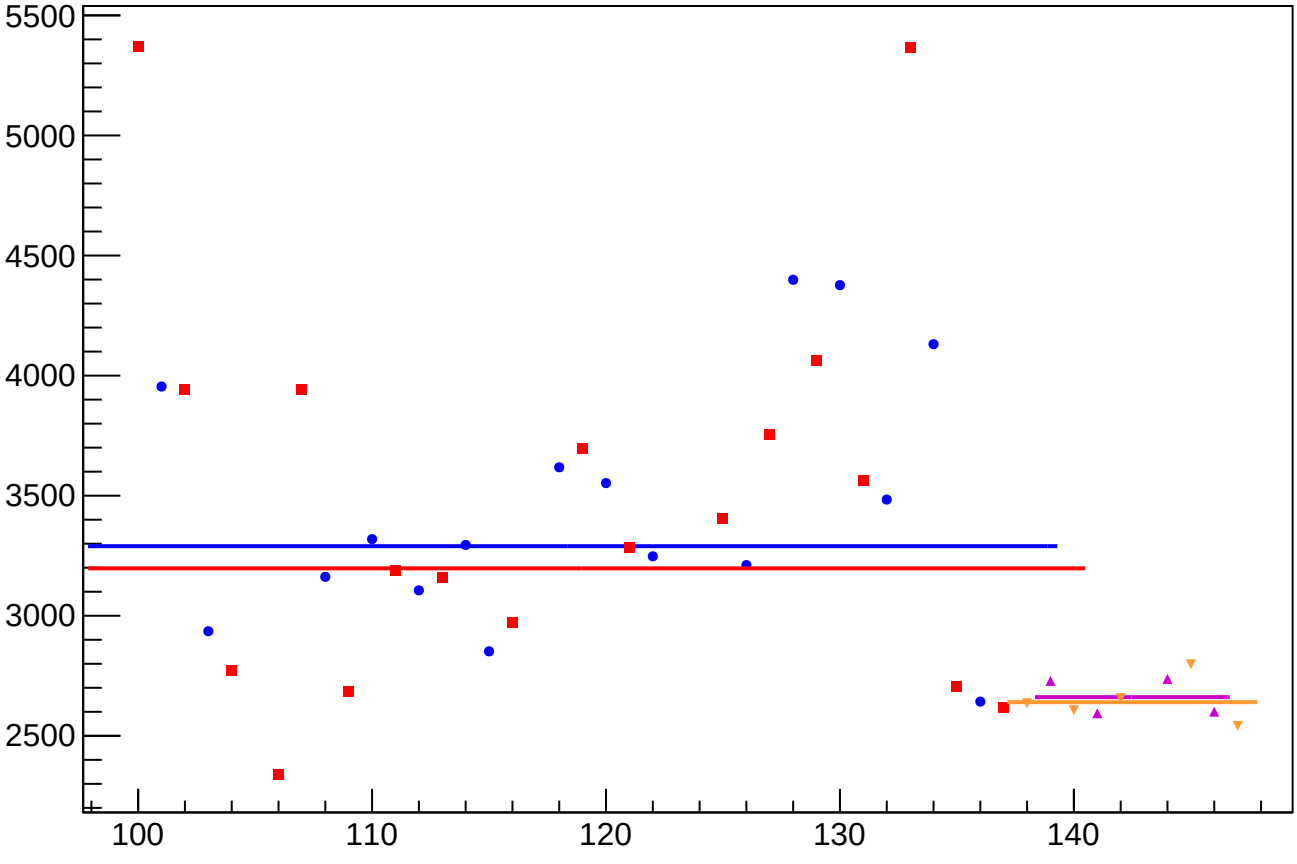
Left In: 1111.039+/-1416.377 χ^2/NDF:5.2/3

\+ sign 609.094+/-920.863 χ^2/NDF: 28.7/20

All: 991.972+/-652.225 χ^2/NDF: 41.0/42

\- sign 1377.394+/-923.915 χ^2/NDF: 12.0/21

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2640.186+/-0.971 χ^2/NDF:8001.4/4

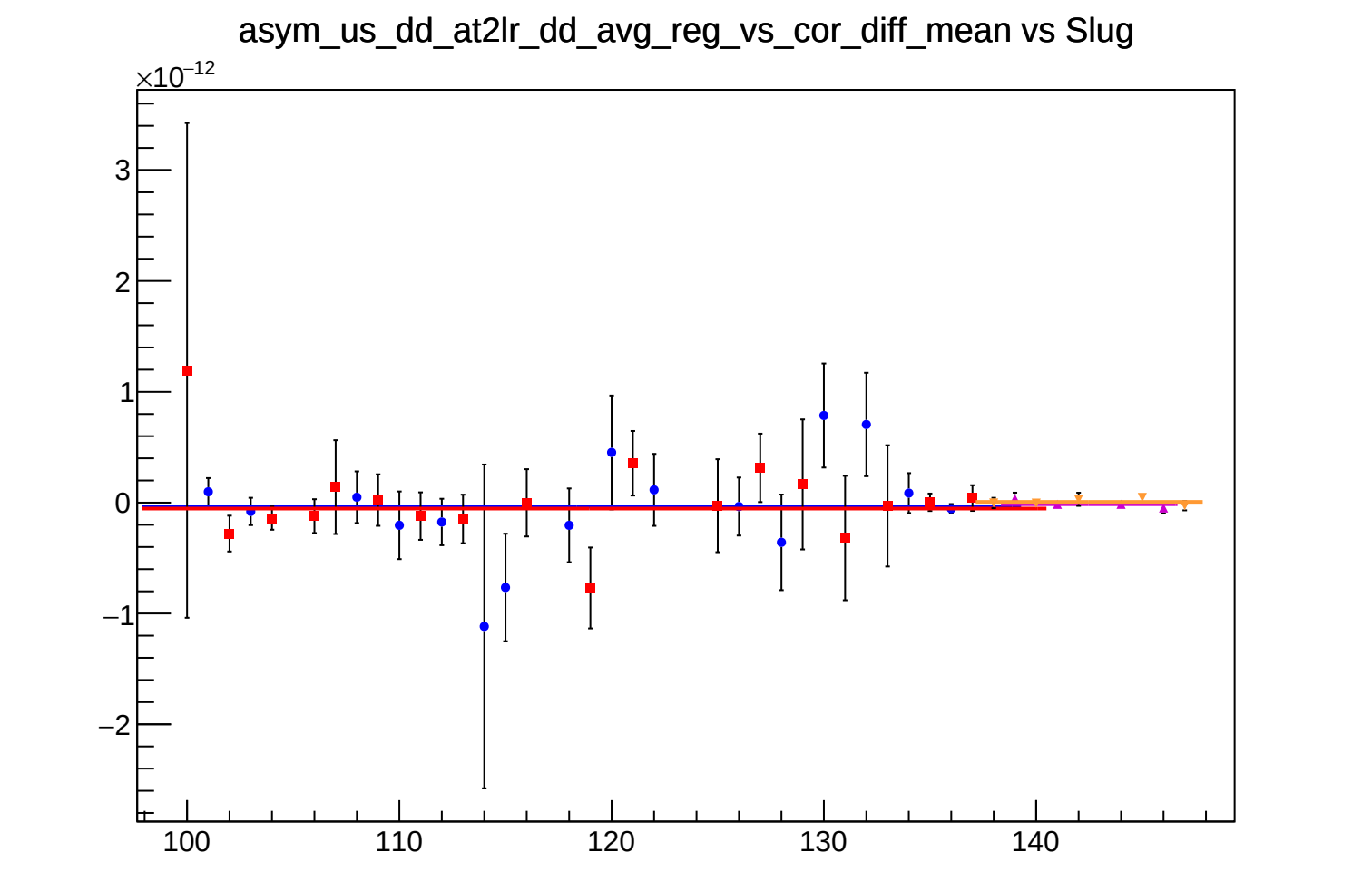
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

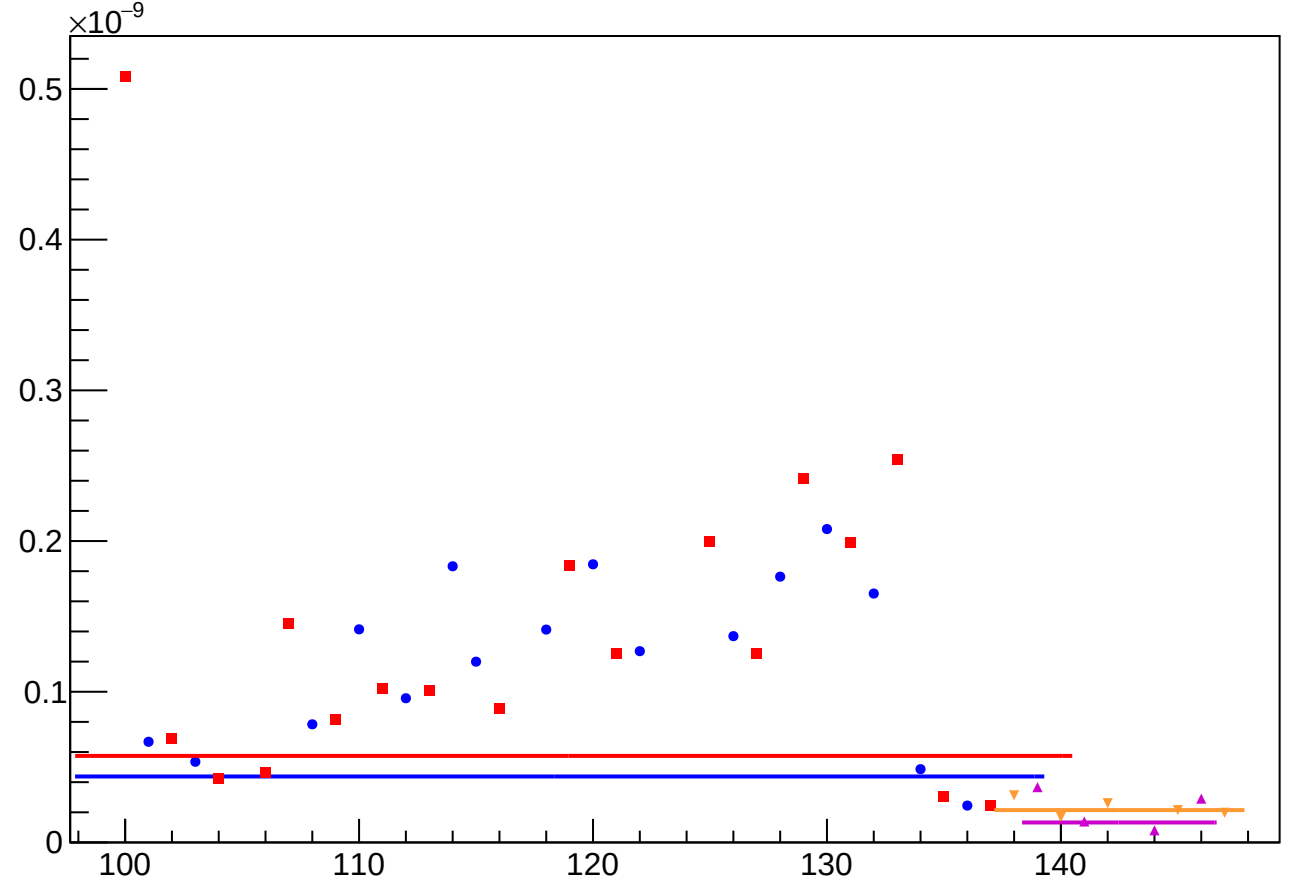
Left In: 2661.035+/-1.002 χ^2/NDF:4577.0/3

\+ sign 2997.401+/-0.651 χ^2/NDF: 601849.1/20

All: 2983.329+/-0.461 χ^2/NDF: 1272054.0/42

\- sign 2969.163+/-0.653 χ^2/NDF: 669267.6/21


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
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:1.4/3
+ sign -0.000+/-0.000 χ²/NDF: 16.6/20
All: -0.000+/-0.000 χ²/NDF: 31.9/42
- sign -0.000+/-0.000 χ²/NDF: 14.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:146793.5/4

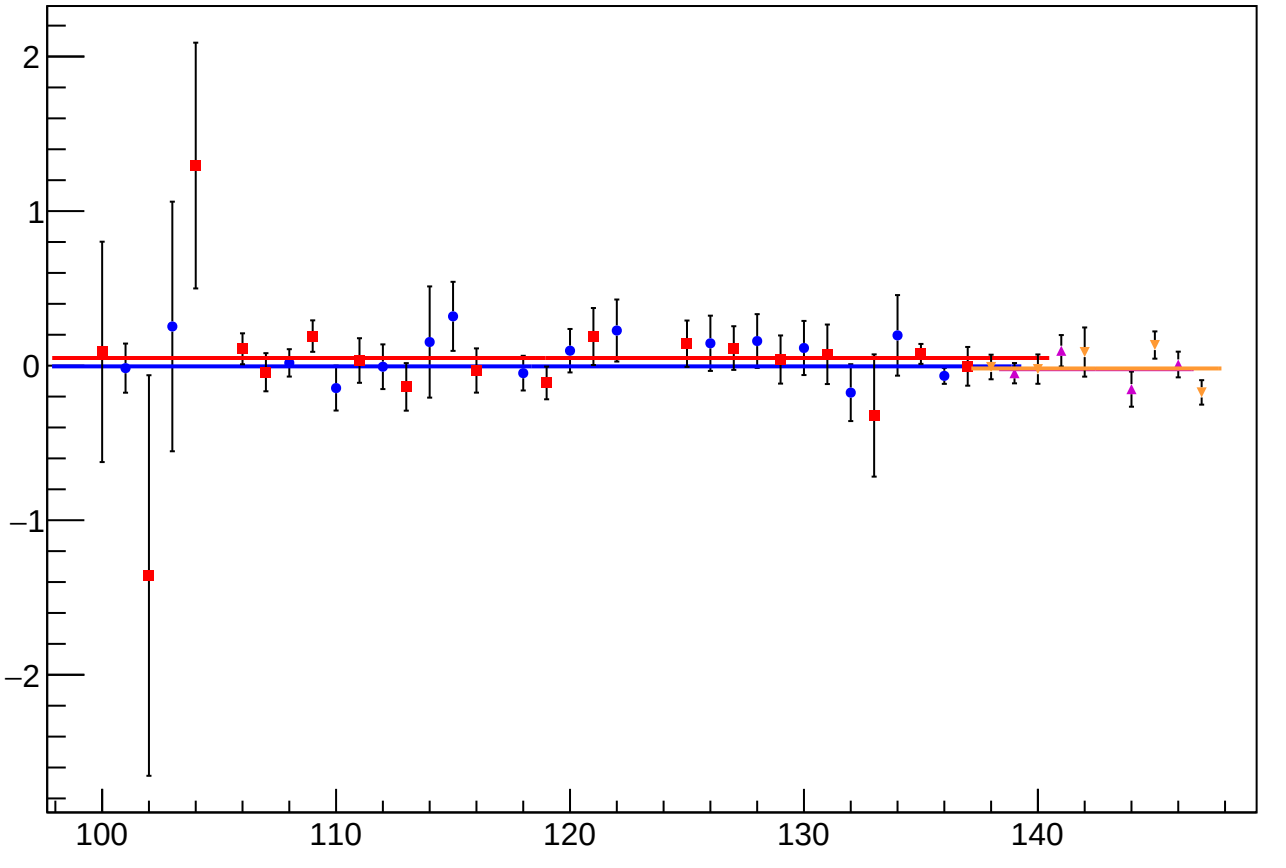
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:777607.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 3034541.8/20

All: 0.000+/-0.000 χ^2/NDF: 8139808.5/42

- sign 0.000+/-0.000 χ^2/NDF: 4744084.9/21



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

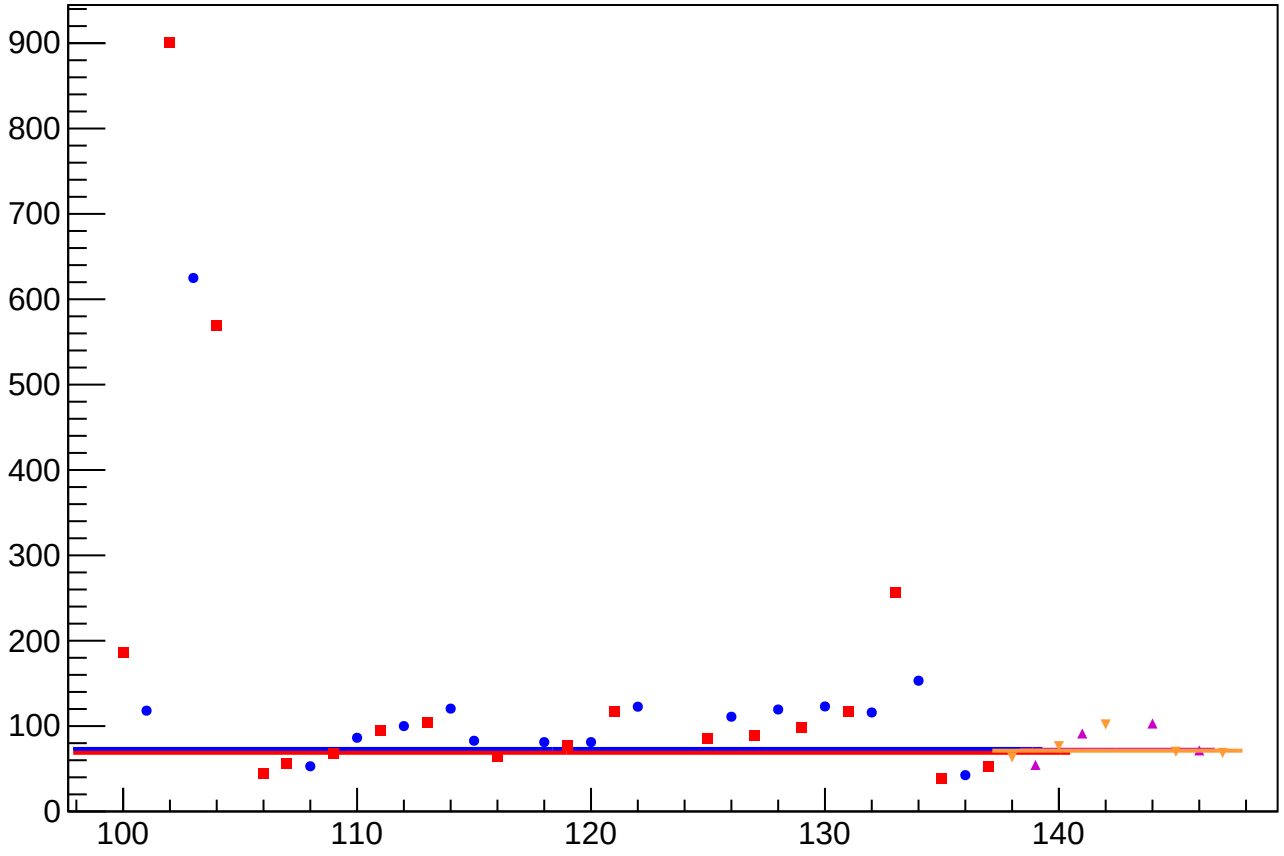
Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign -0.010+/-0.025 χ^2/NDF: 17.6/20

All: 0.007+/-0.018 χ^2/NDF: 36.3/42

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21

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: 71.200+/-0.029 χ^2/NDF:102792.1/4

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

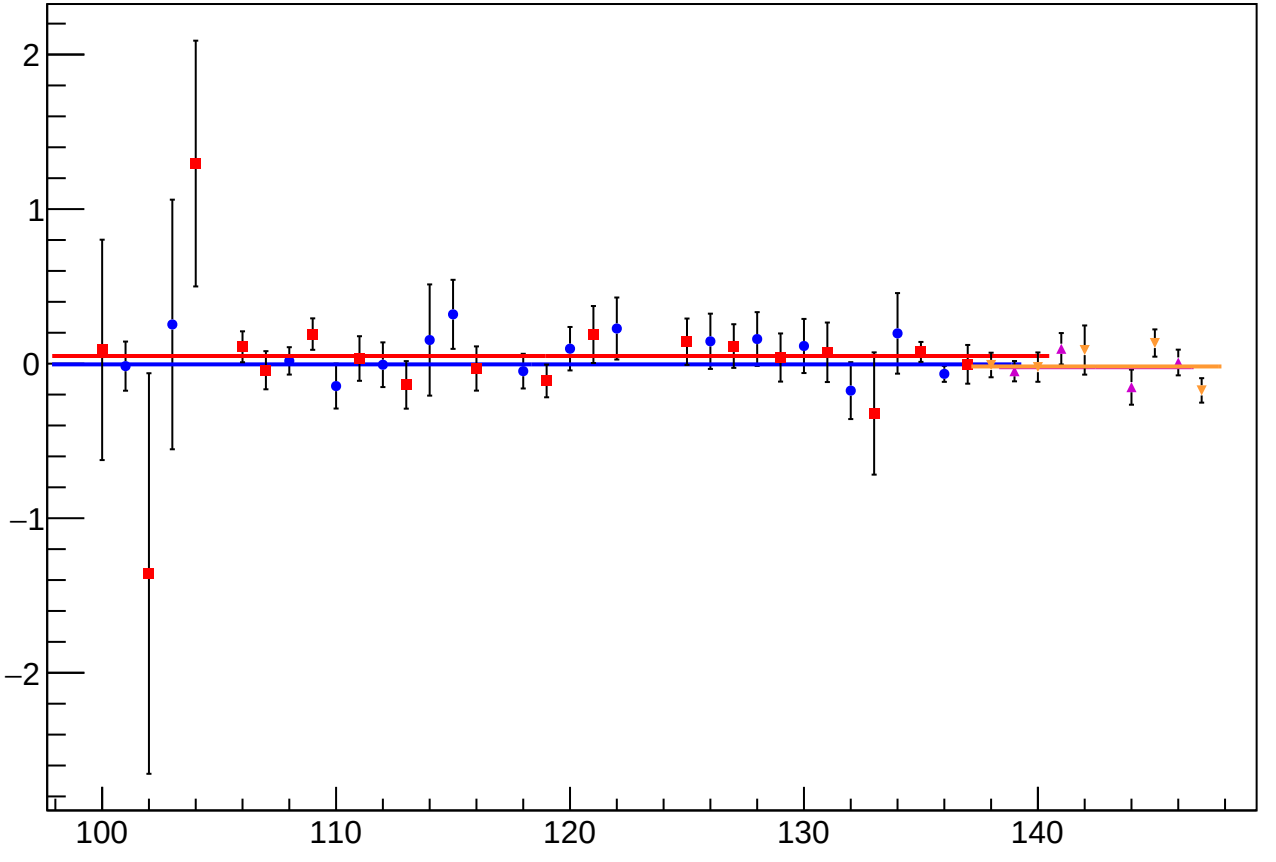
Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

+ sign 72.456+/-0.018 χ^2/NDF: 2960444.3/20

All: 71.226+/-0.013 χ^2/NDF: 6673289.9/42

- sign 69.988+/-0.018 χ^2/NDF: 3703379.6/21

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

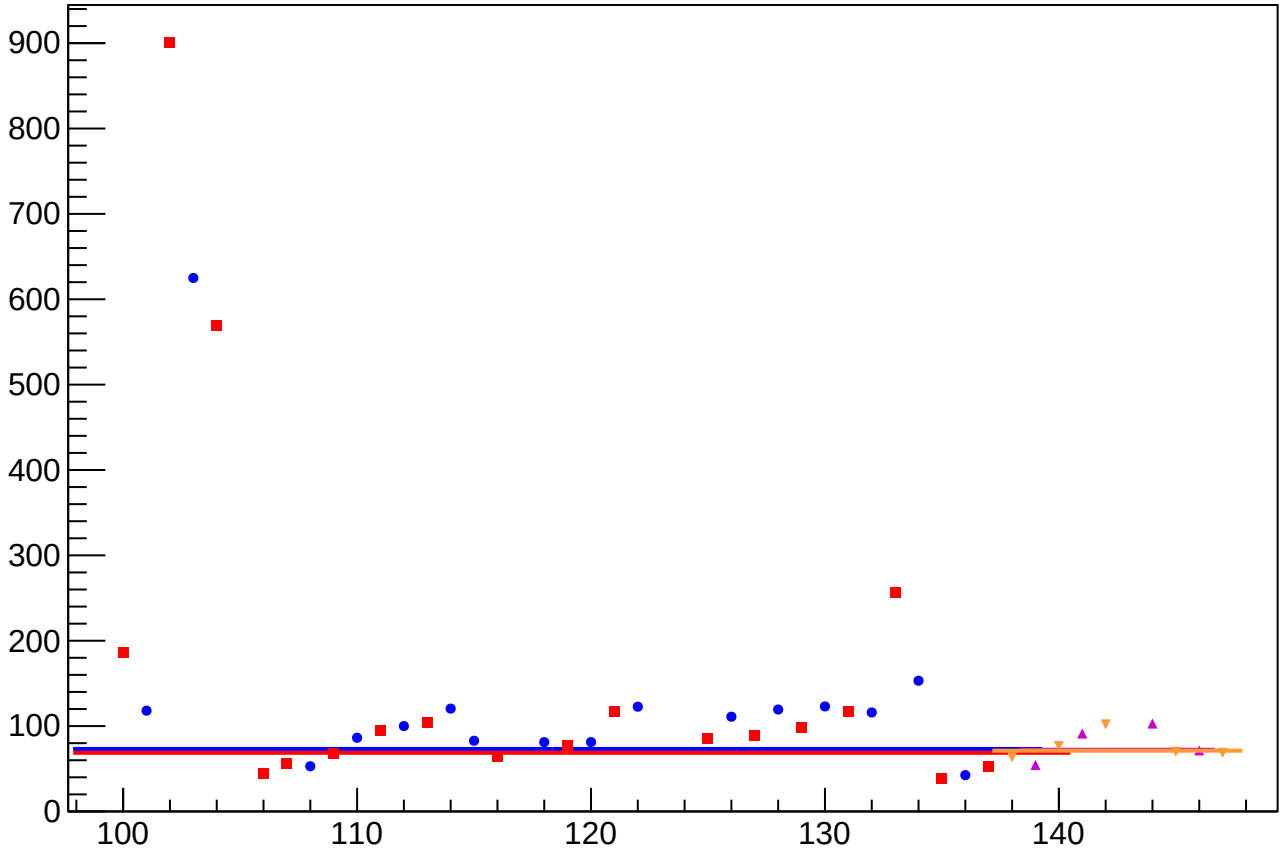
Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign -0.010+/-0.025 χ^2/NDF: 17.6/20

All: 0.007+/-0.018 χ^2/NDF: 36.3/42

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 71.200+/-0.029 χ^2/NDF:102792.1/4

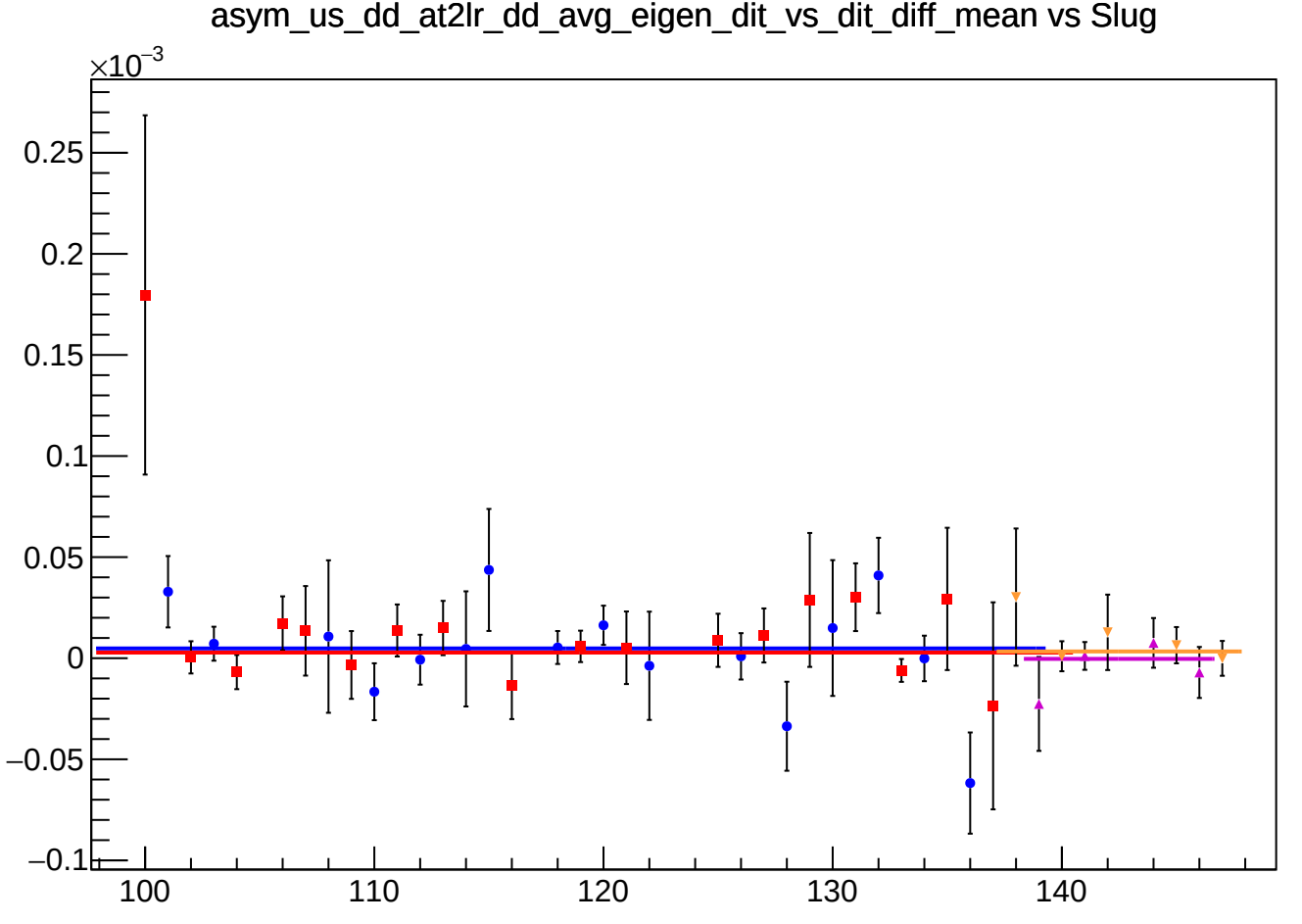
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

+ sign 72.456+/-0.018 χ^2/NDF: 2960444.3/20

All: 71.226+/-0.013 χ^2/NDF: 6673289.9/42

- sign 69.988+/-0.018 χ^2/NDF: 3703379.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

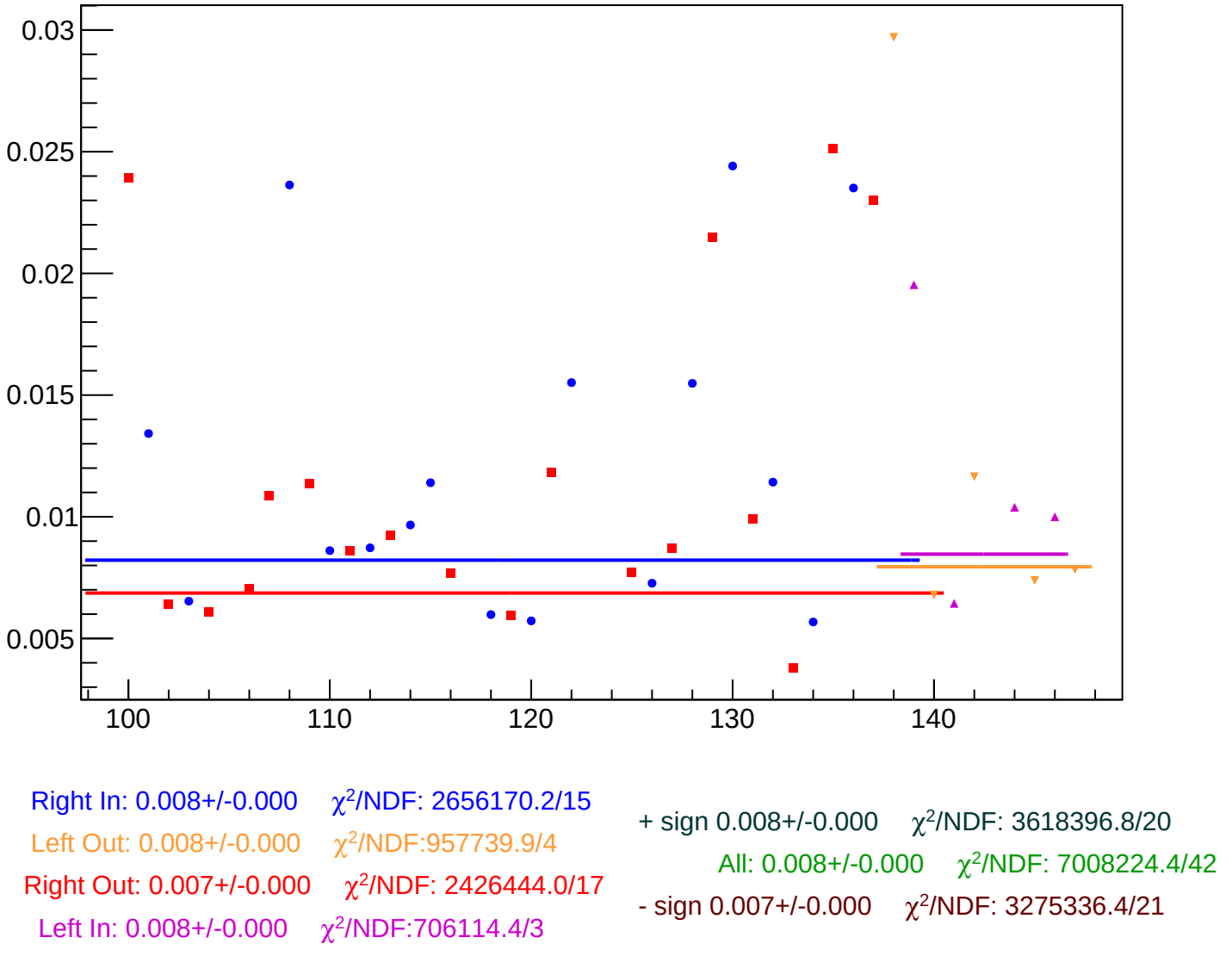
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

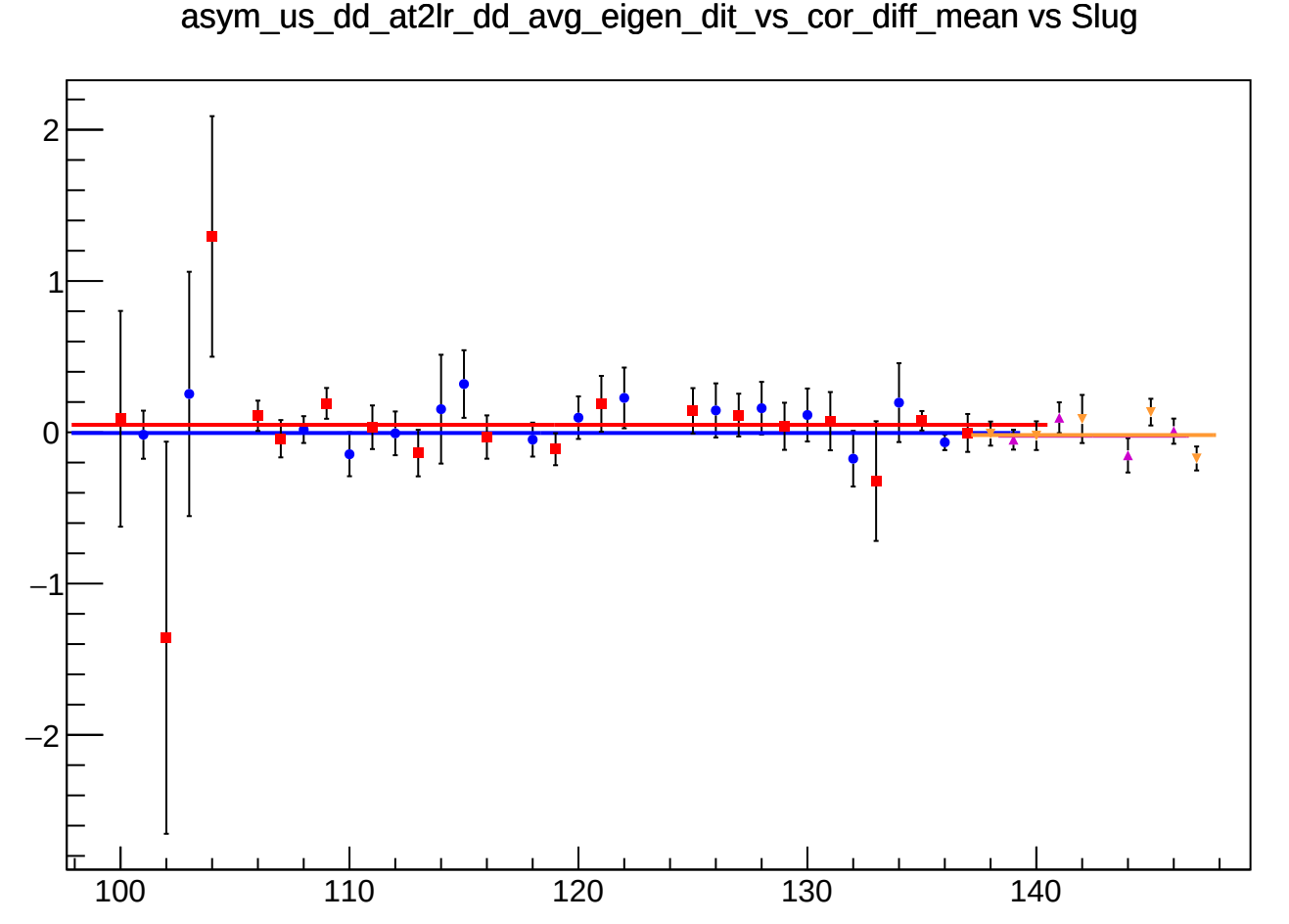
Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 43.0/42

- sign 0.000+/-0.000 χ^2/NDF: 18.7/21


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
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.008+/-0.000 χ²/NDF:957739.9/4
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.008+/-0.000 χ²/NDF:706114.4/3
+ sign 0.008+/-0.000 χ²/NDF: 3618396.8/20
All: 0.008+/-0.000 χ²/NDF: 7008224.4/42
- sign 0.007+/-0.000 χ²/NDF: 3275336.4/21



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.018+/-0.041 χ^2/NDF:7.2/4

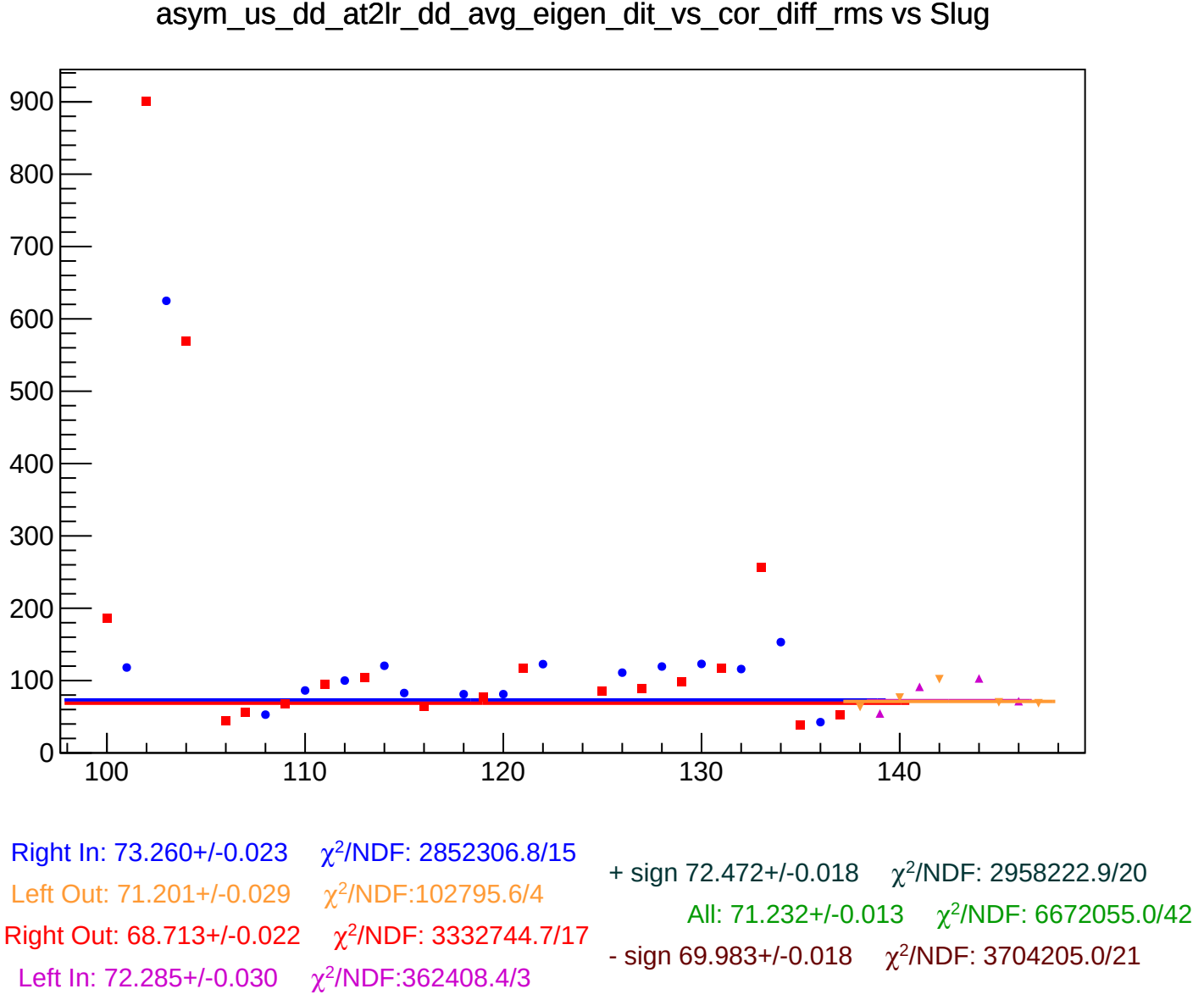
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

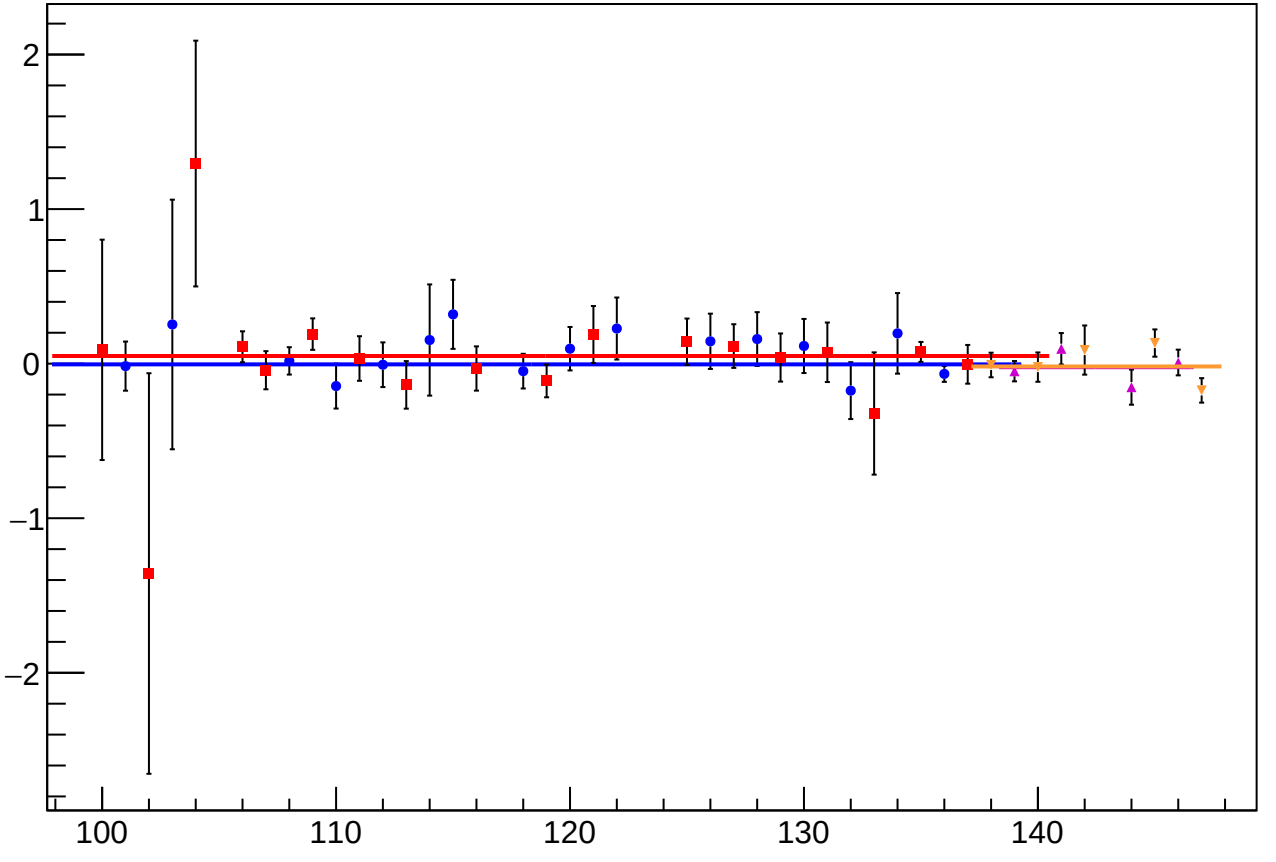
+ sign -0.010+/-0.025 χ^2/NDF: 17.6/20

All: 0.007+/-0.018 χ^2/NDF: 36.4/42

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21


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
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 71.201+/-0.029 χ²/NDF:102795.6/4
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 72.285+/-0.030 χ²/NDF:362408.4/3
+ sign 72.472+/-0.018 χ²/NDF: 2958222.9/20
All: 71.232+/-0.013 χ²/NDF: 6672055.0/42
- sign 69.983+/-0.018 χ²/NDF: 3704205.0/21

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

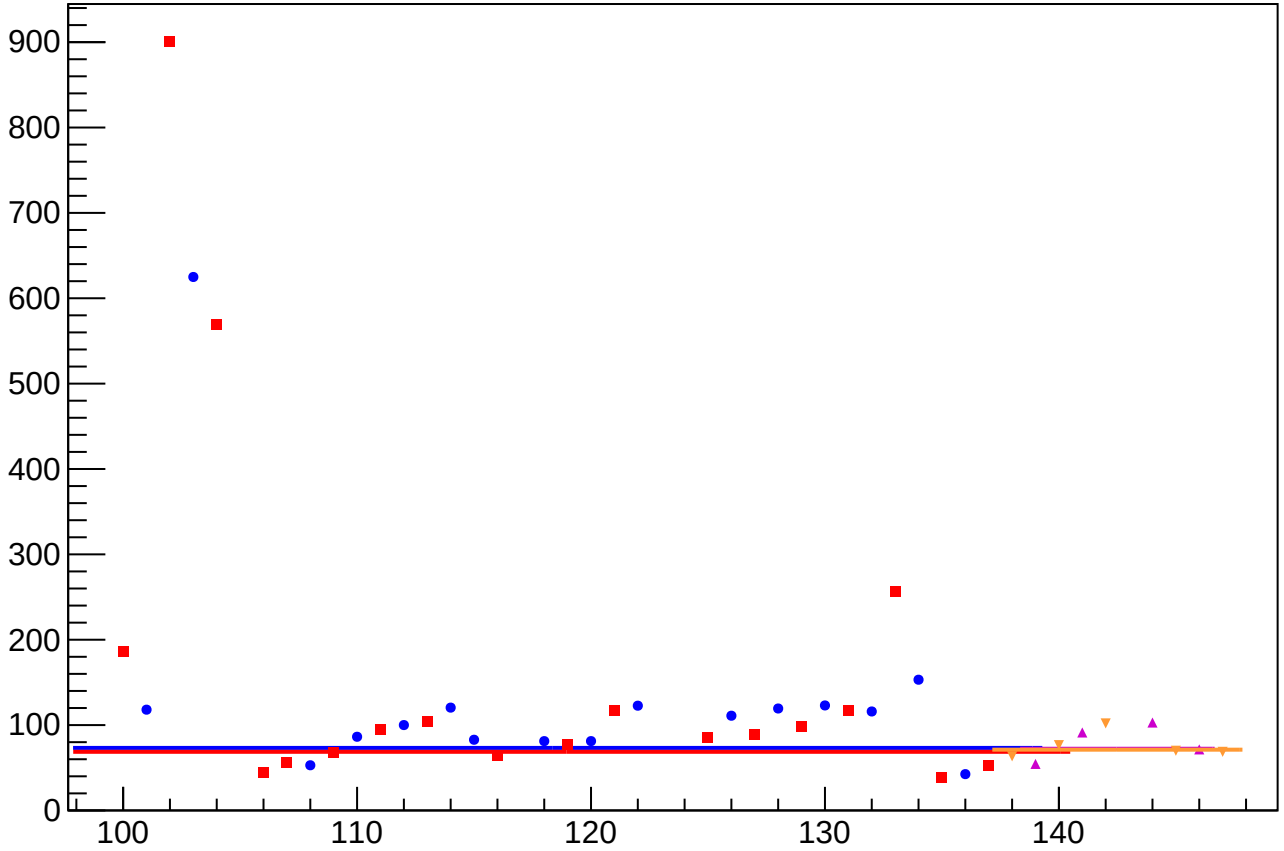
Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign -0.010+/-0.025 χ^2/NDF: 17.6/20

All: 0.007+/-0.018 χ^2/NDF: 36.4/42

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21

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: 71.201+/-0.029 χ^2/NDF:102795.6/4

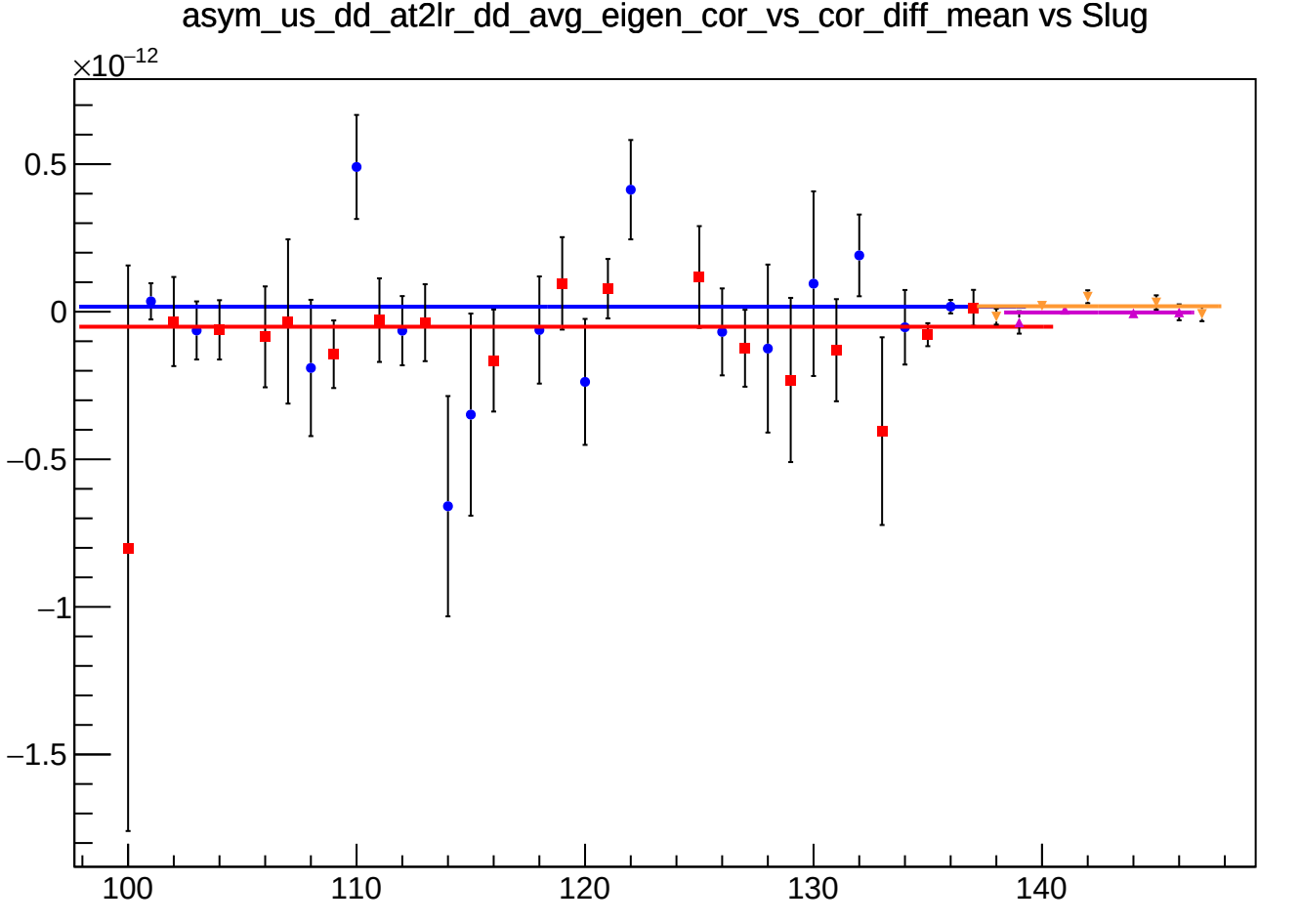
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

+ sign 72.472+/-0.018 χ^2/NDF: 2958222.9/20

All: 71.232+/-0.013 χ^2/NDF: 6672055.0/42

- sign 69.983+/-0.018 χ^2/NDF: 3704205.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/4

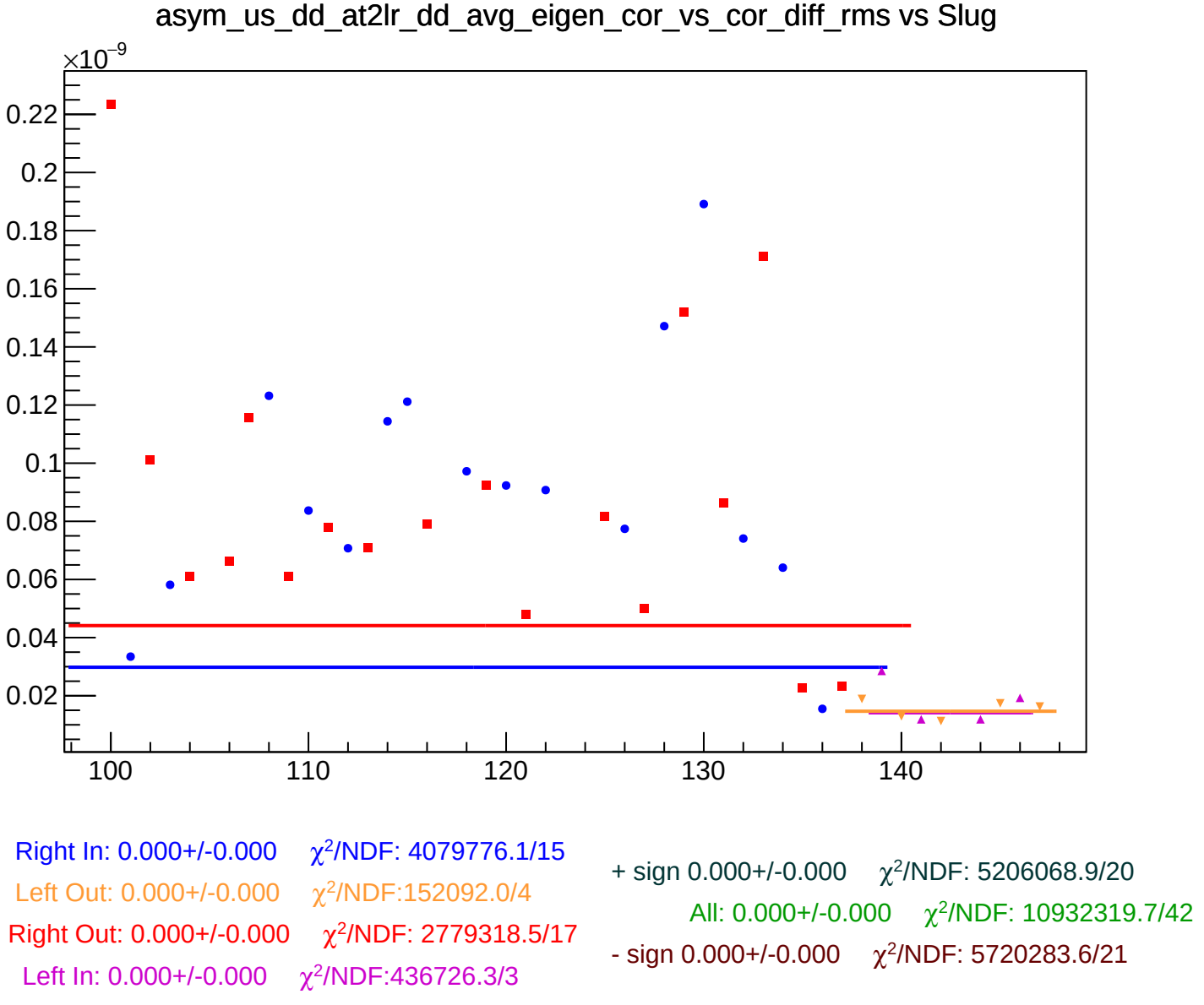
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

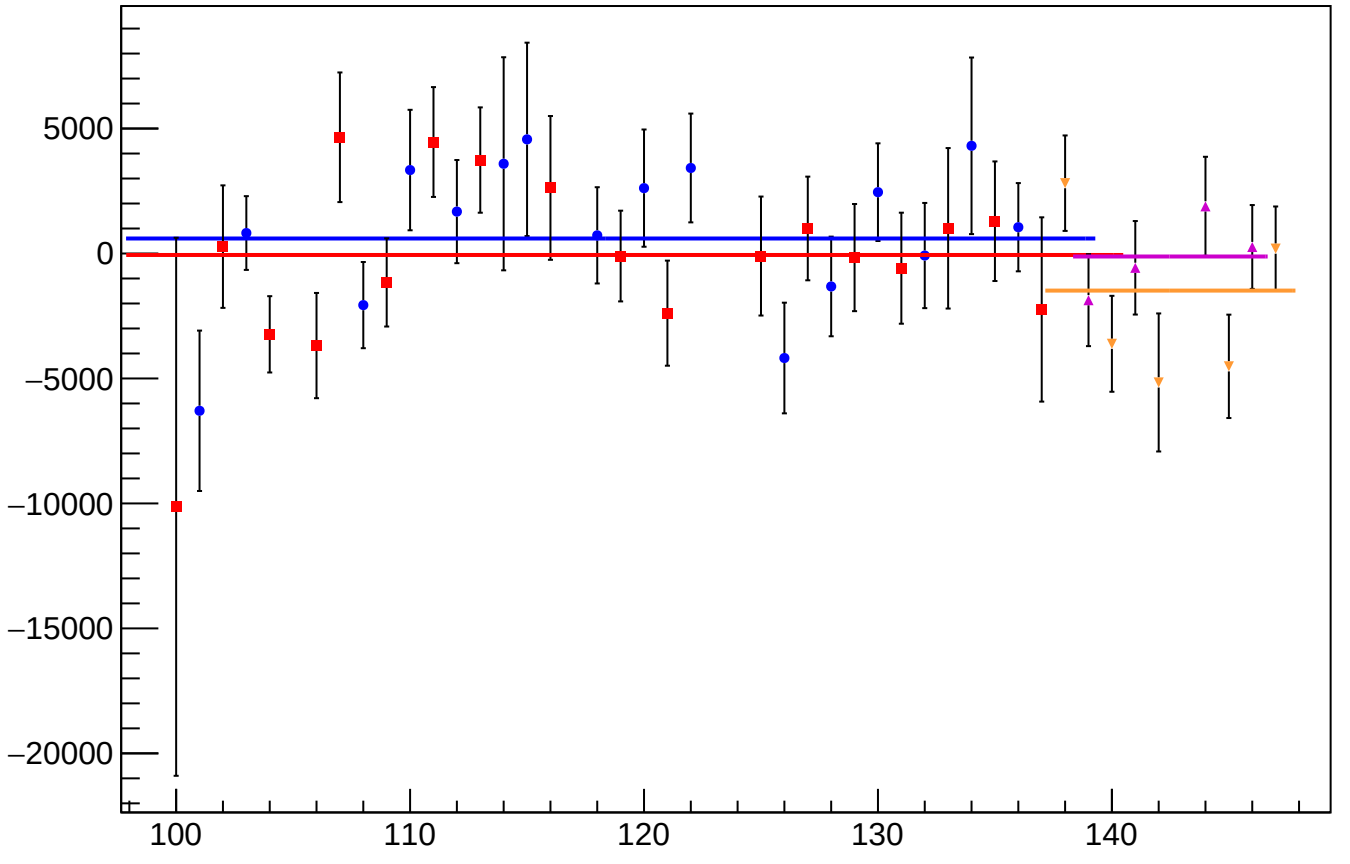
Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/20

All: 0.000+/-0.000 χ^2/NDF: 46.8/42

- sign -0.000+/-0.000 χ^2/NDF: 13.4/21


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:152092.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:436726.3/3
+ sign 0.000+/-0.000 χ²/NDF: 5206068.9/20
All: 0.000+/-0.000 χ²/NDF: 10932319.7/42
- sign 0.000+/-0.000 χ²/NDF: 5720283.6/21



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1483.845+/-890.110 χ^2/NDF:11.2/4

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

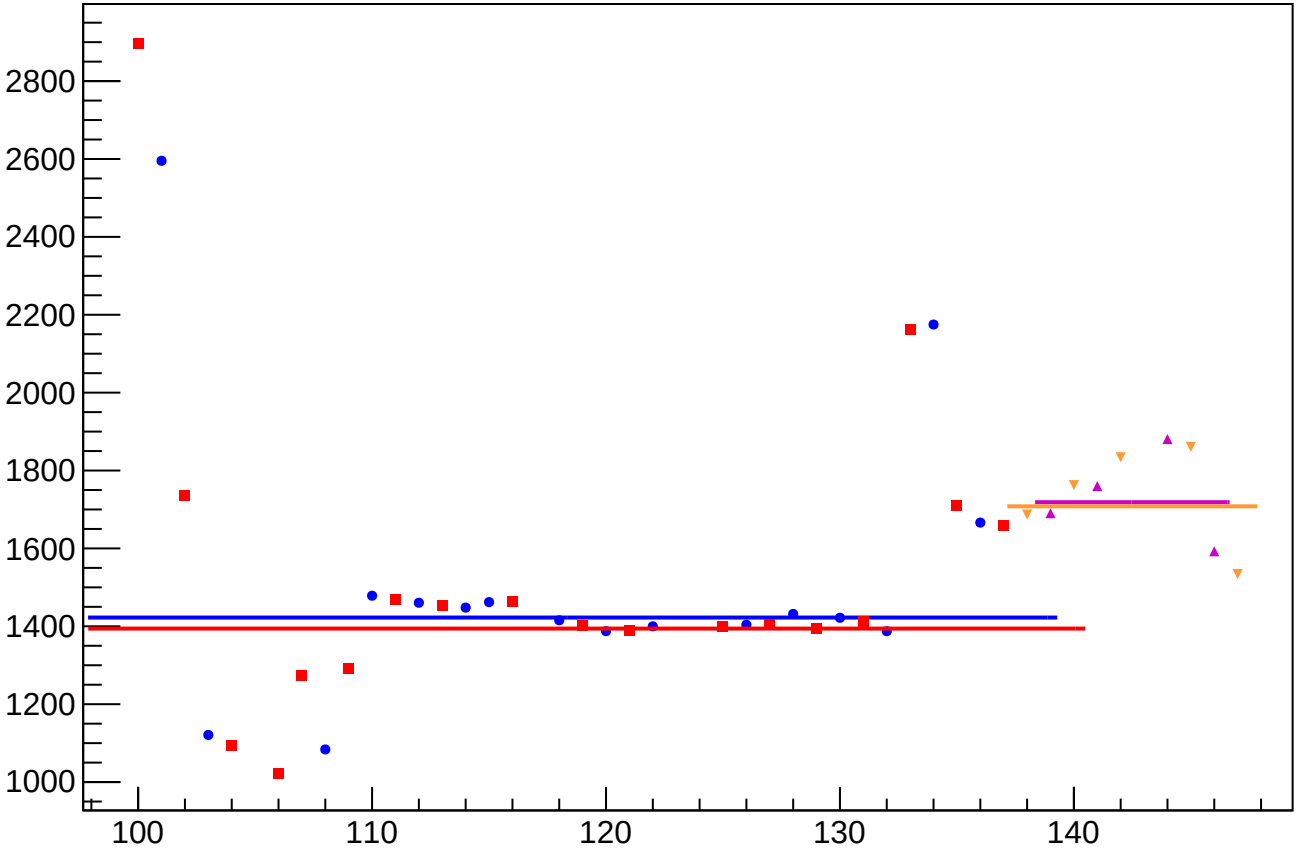
Left In: -119.985+/-916.187 χ^2/NDF:2.0/3

+ sign 39.410+/-461.716 χ^2/NDF: 35.5/20

All: -17.827+/-325.483 χ^2/NDF: 60.2/42

- sign -74.368+/-458.902 χ^2/NDF: 24.6/21

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

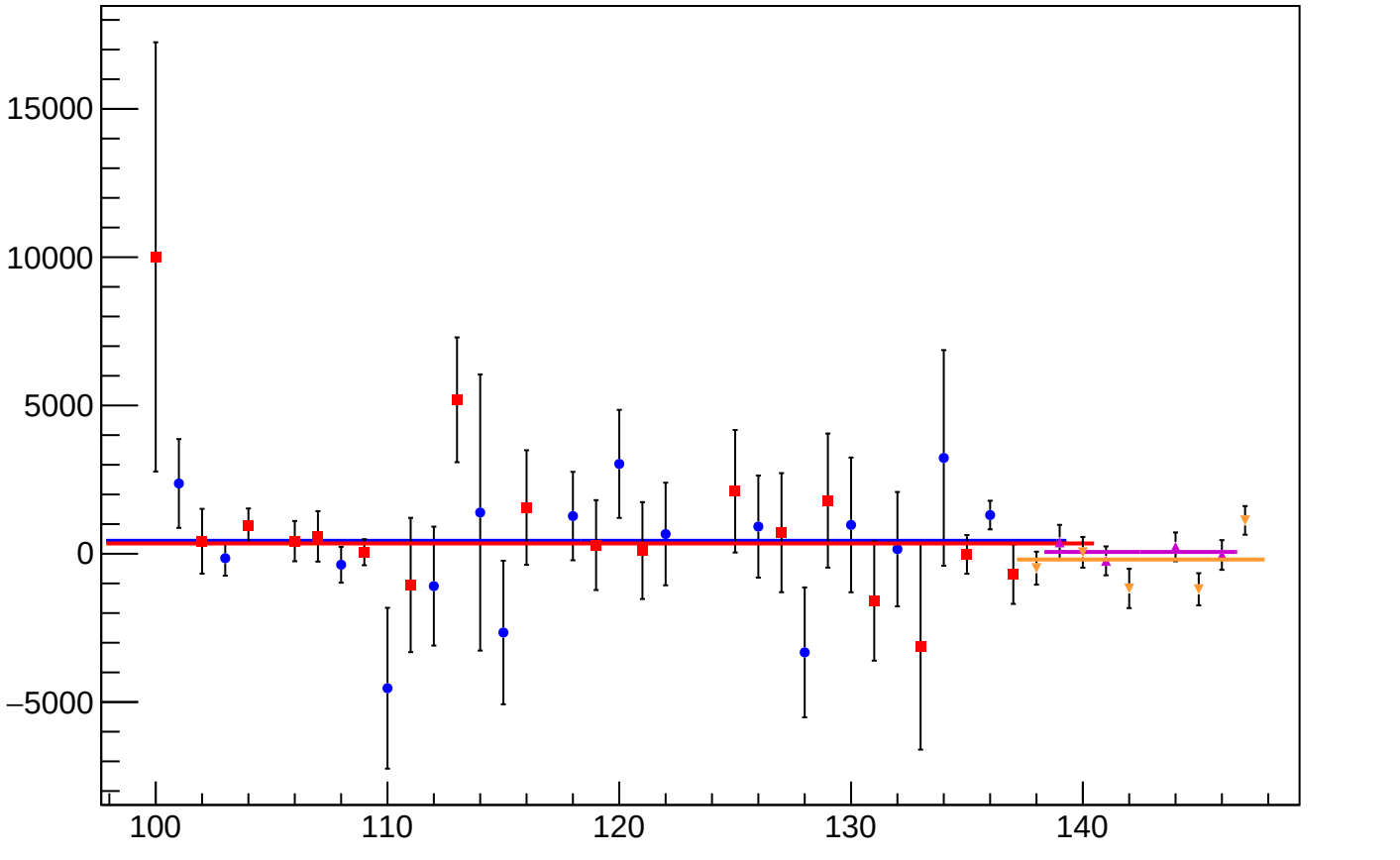
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

+ sign 1499.357+/-0.326 χ^2/NDF: 748934.0/20

All: 1487.400+/-0.230 χ^2/NDF: 1359365.3/42

- sign 1475.588+/-0.324 χ^2/NDF: 607764.9/21



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -194.765+/-243.042 χ^2/NDF:13.5/4

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

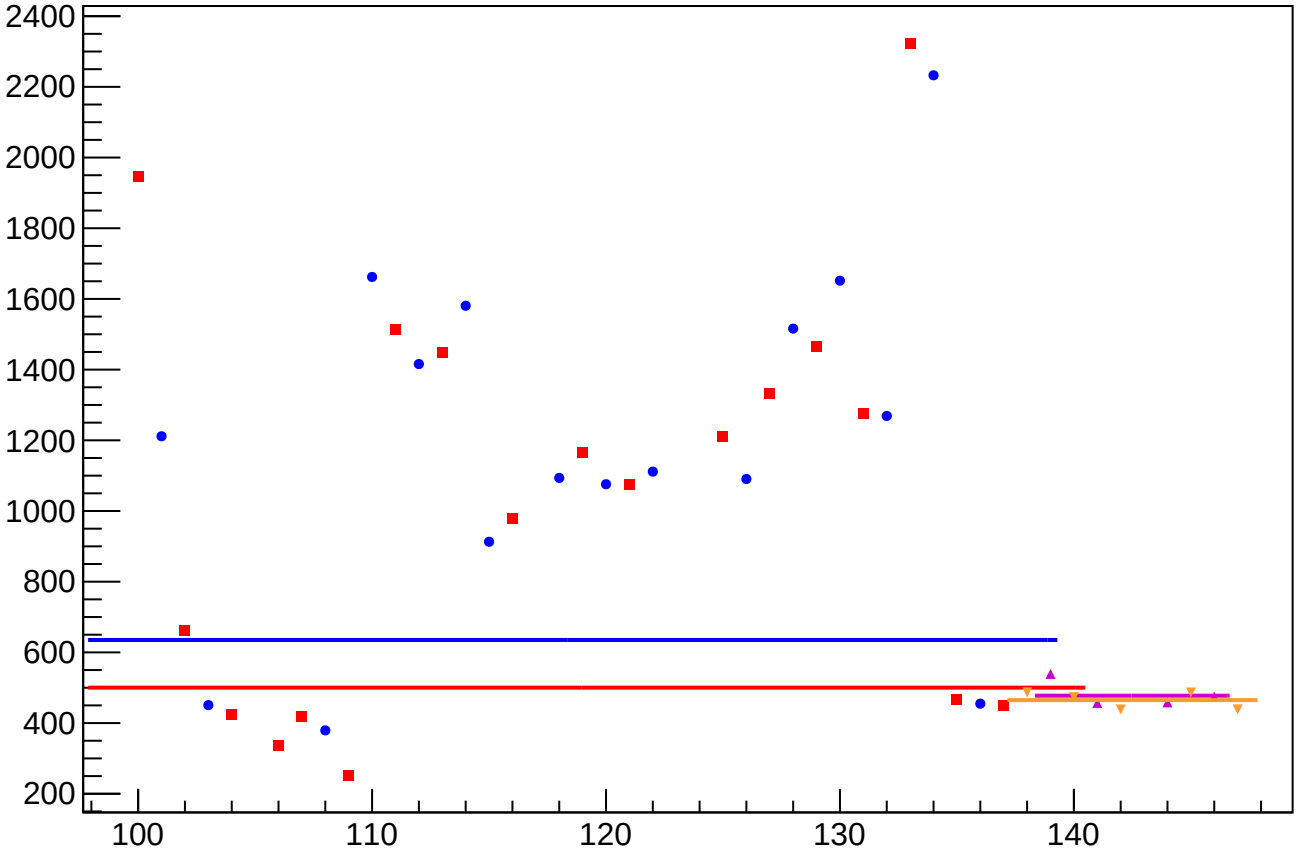
Left In: 60.463+/-255.590 χ^2/NDF:0.8/3

+ sign 81.042+/-182.378 χ^2/NDF: 35.8/20

All: 152.992+/-125.318 χ^2/NDF: 51.6/42

- sign 217.351+/-172.489 χ^2/NDF: 15.5/21

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 464.976+/-0.172 χ^2/NDF:16042.1/4

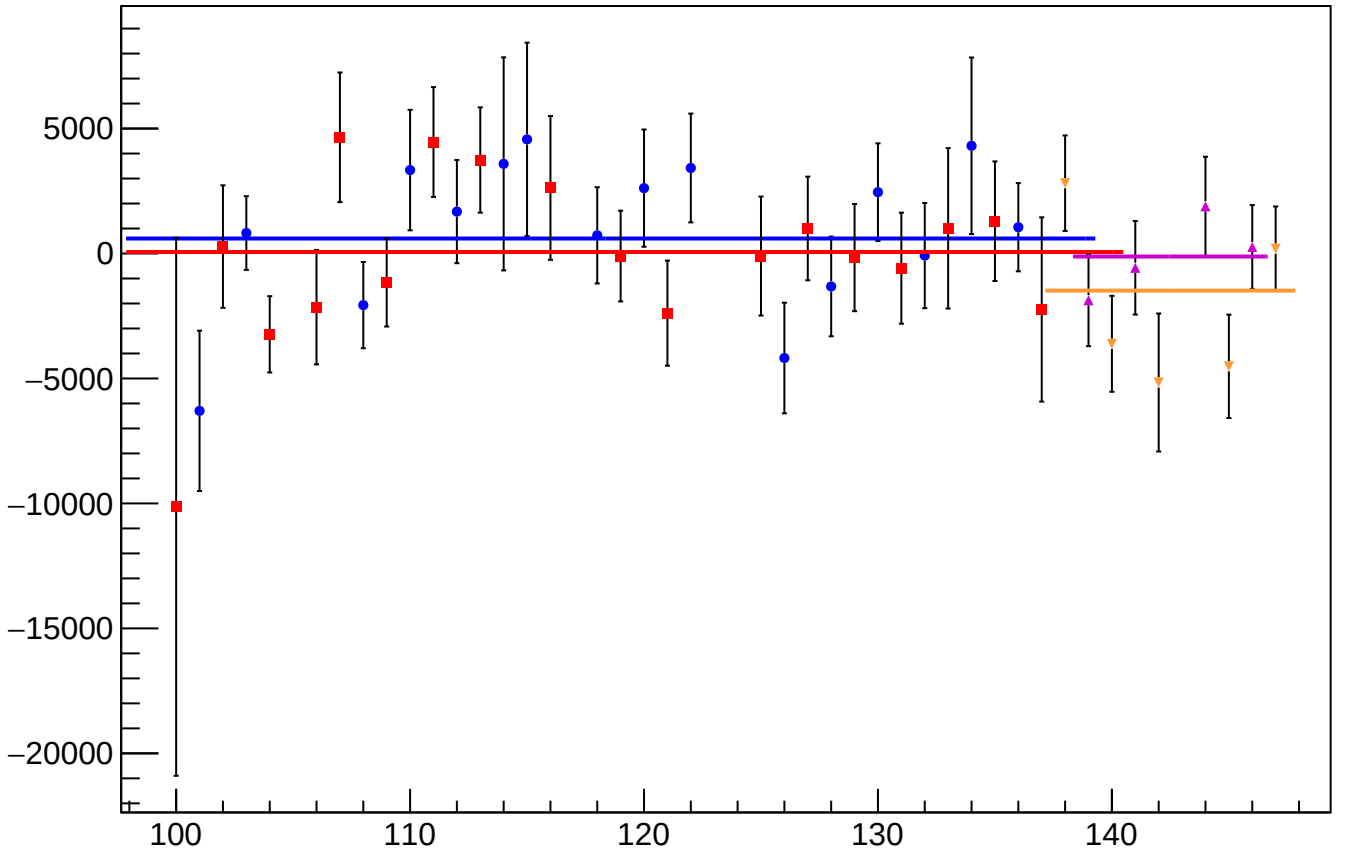
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 477.485+/-0.181 χ^2/NDF:28441.9/3

+ sign 539.319+/-0.129 χ^2/NDF: 4196940.8/20

All: 513.219+/-0.089 χ^2/NDF: 8620706.3/42

- sign 489.872+/-0.122 χ^2/NDF: 4346161.1/21



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1484.001+/-890.110 χ^2/NDF:11.2/4

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

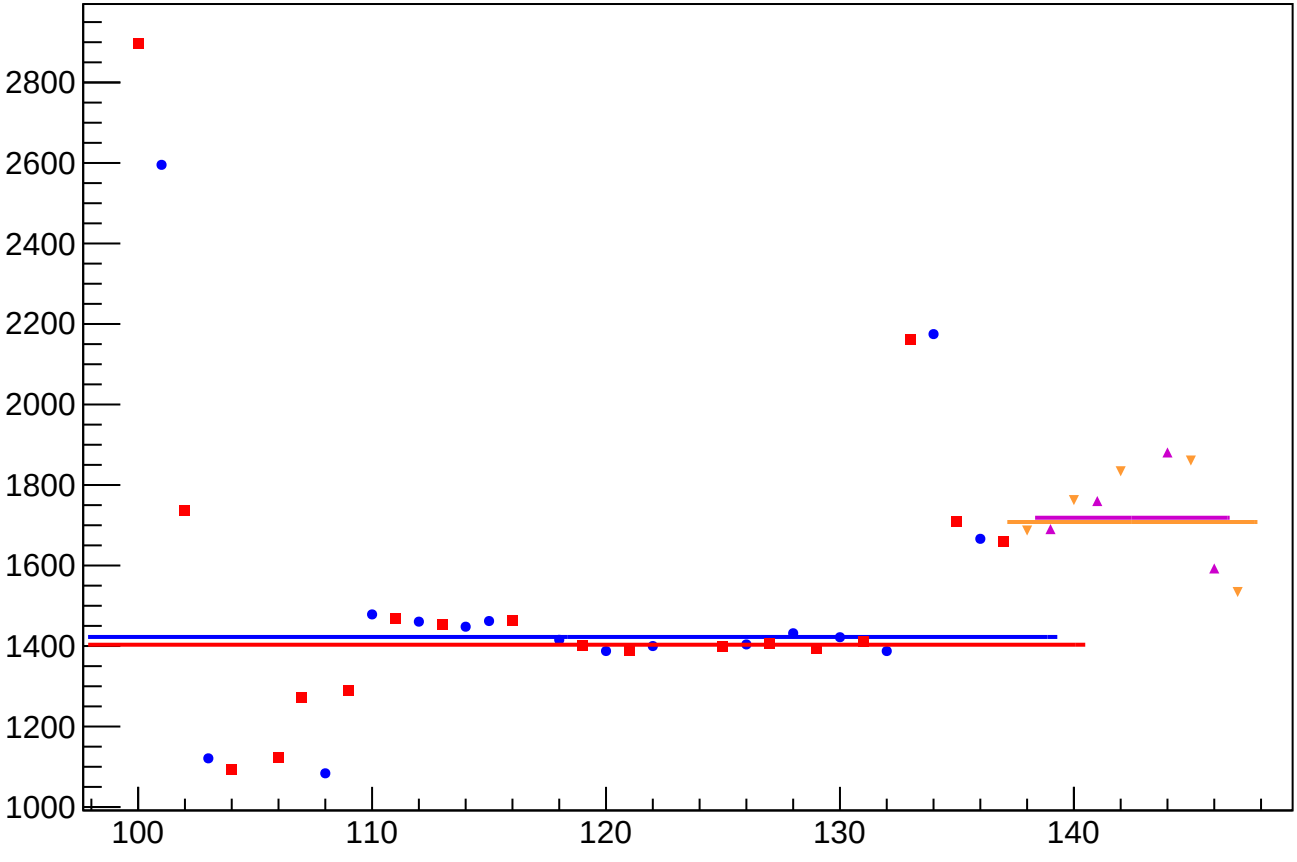
Left In: -120.041+/-916.187 χ^2/NDF:2.0/3

+ sign 39.276+/-461.716 χ^2/NDF: 35.5/20

All: 26.991+/-326.086 χ^2/NDF: 58.0/42

- sign 14.766+/-460.597 χ^2/NDF: 22.4/21

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

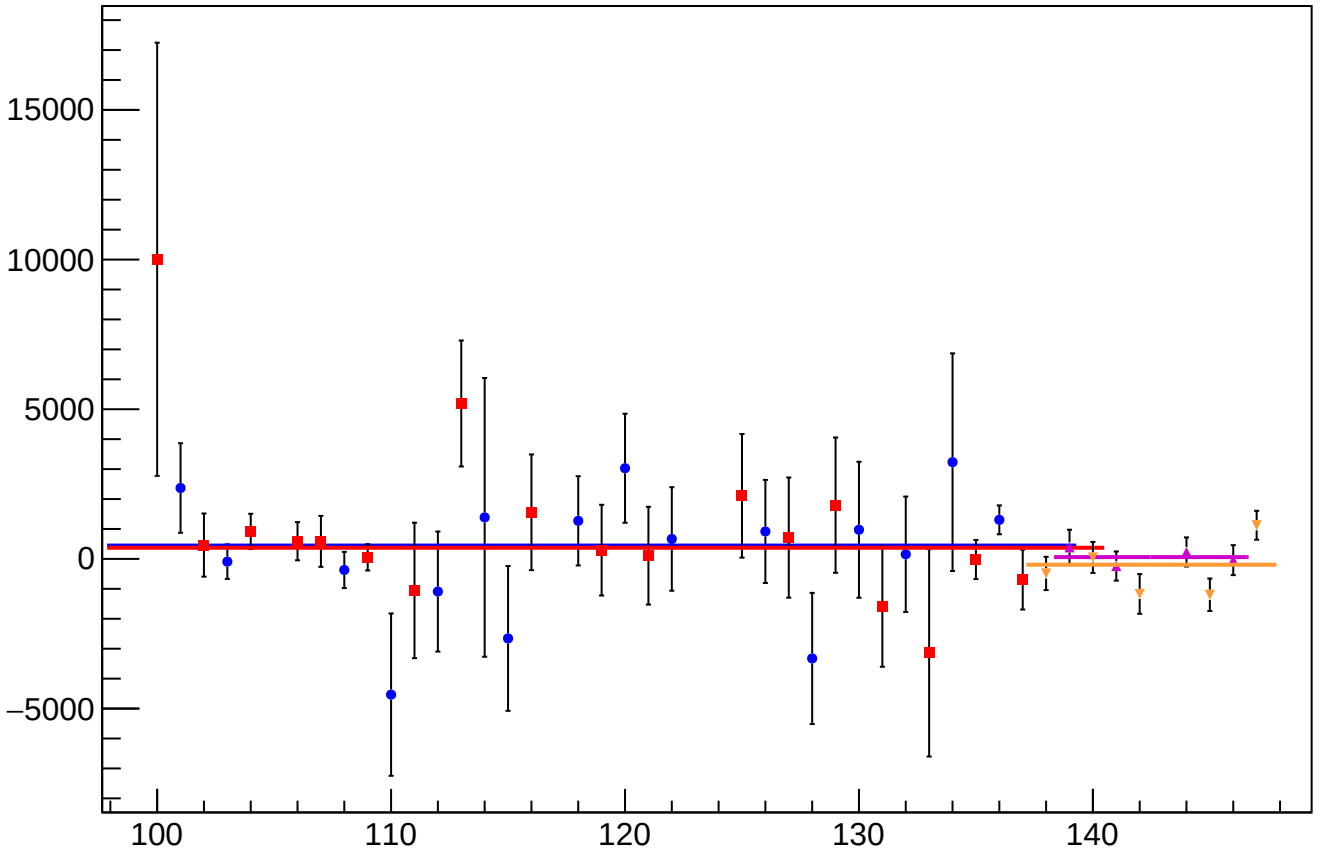
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

+ sign 1499.357+/-0.326 χ^2/NDF: 748934.4/20

All: 1491.135+/-0.231 χ^2/NDF: 1312634.8/42

- sign 1482.952+/-0.326 χ^2/NDF: 562435.0/21



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

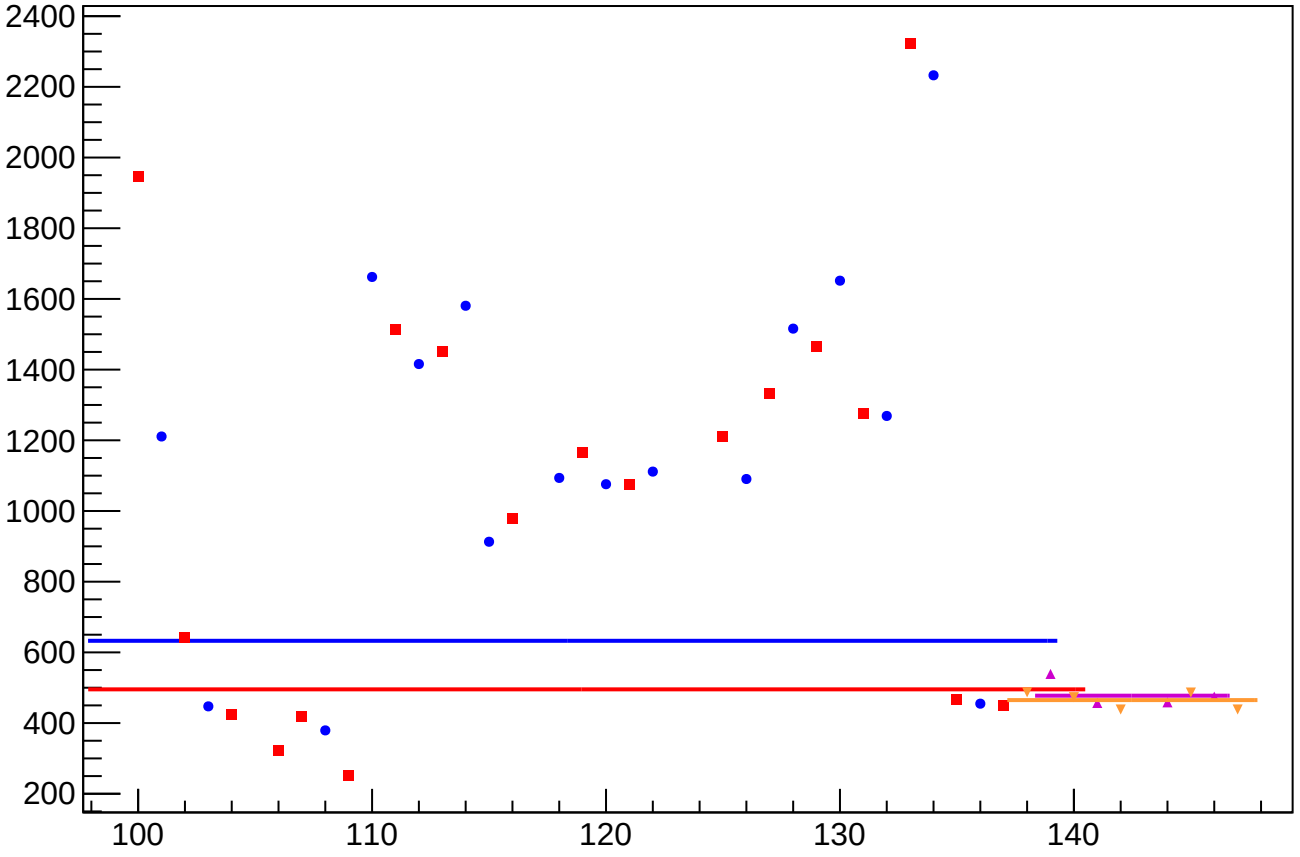
Left In: 60.621+/-255.588 χ^2/NDF:0.8/3

\+ sign 86.110+/-182.040 χ^2/NDF: 35.8/20

All: 163.426+/-124.837 χ^2/NDF: 51.8/42

\- sign 232.065+/-171.521 χ^2/NDF: 15.7/21

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 464.995+/-0.172 χ^2/NDF:16031.3/4

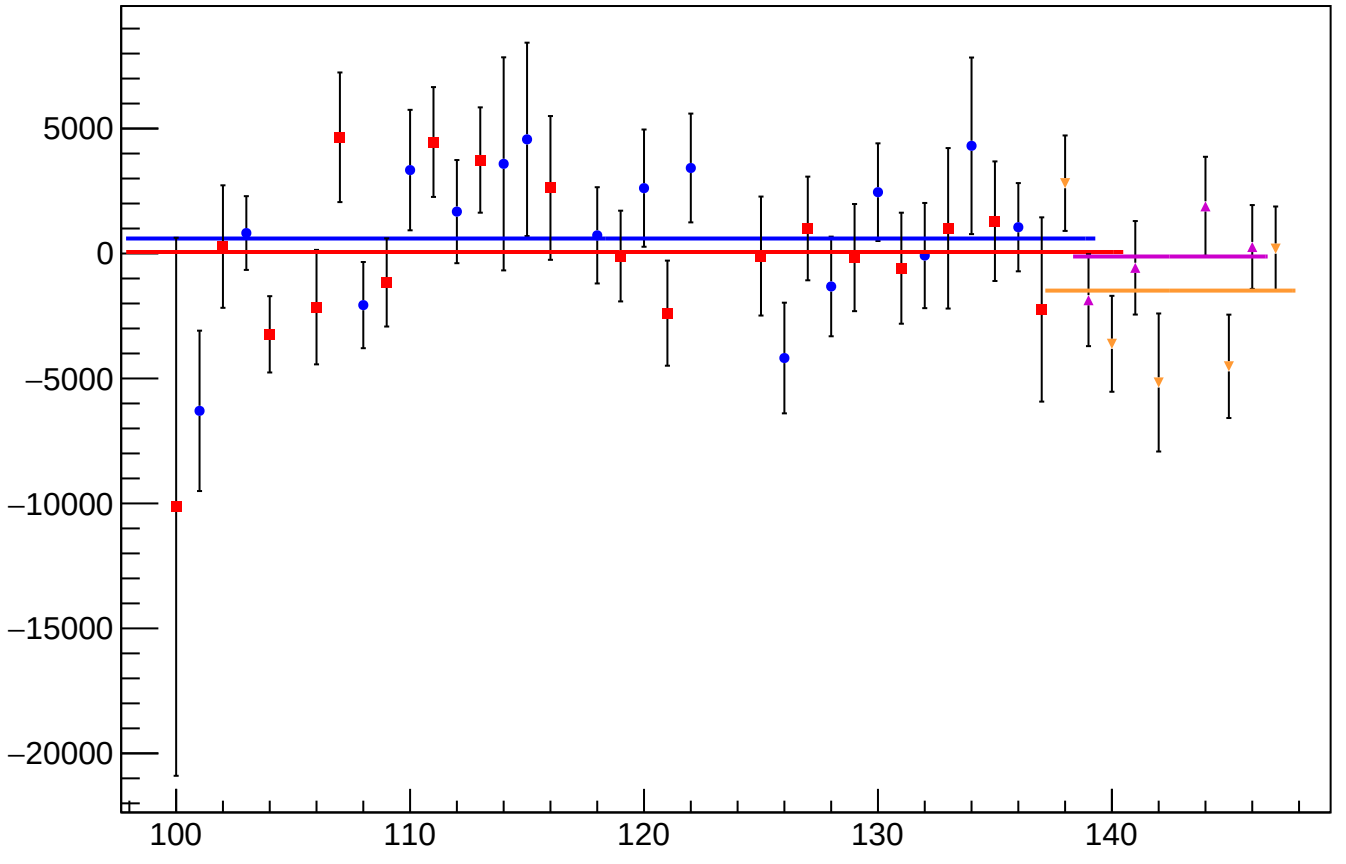
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

+ sign 538.647+/-0.129 χ^2/NDF: 4202069.9/20

All: 511.457+/-0.088 χ^2/NDF: 8657617.5/42

- sign 487.318+/-0.121 χ^2/NDF: 4371319.0/21



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1484.001+/-890.110 χ^2/NDF:11.2/4

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

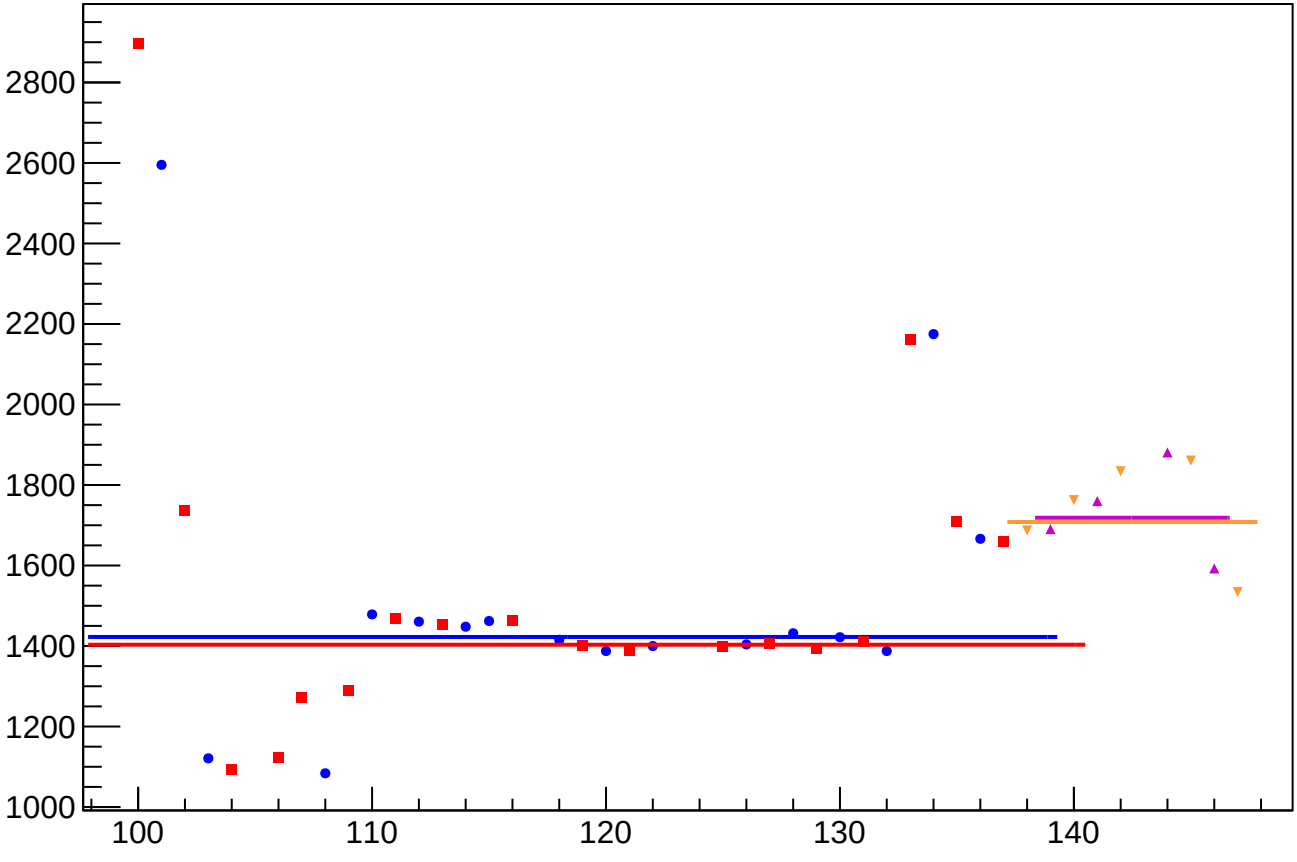
Left In: -120.041+/-916.187 χ^2/NDF:2.0/3

\+ sign 39.276+/-461.716 χ^2/NDF: 35.5/20

All: 26.991+/-326.086 χ^2/NDF: 58.0/42

\- sign 14.766+/-460.597 χ^2/NDF: 22.4/21

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: 1708.101+/-0.629 χ^2/NDF:38189.6/4

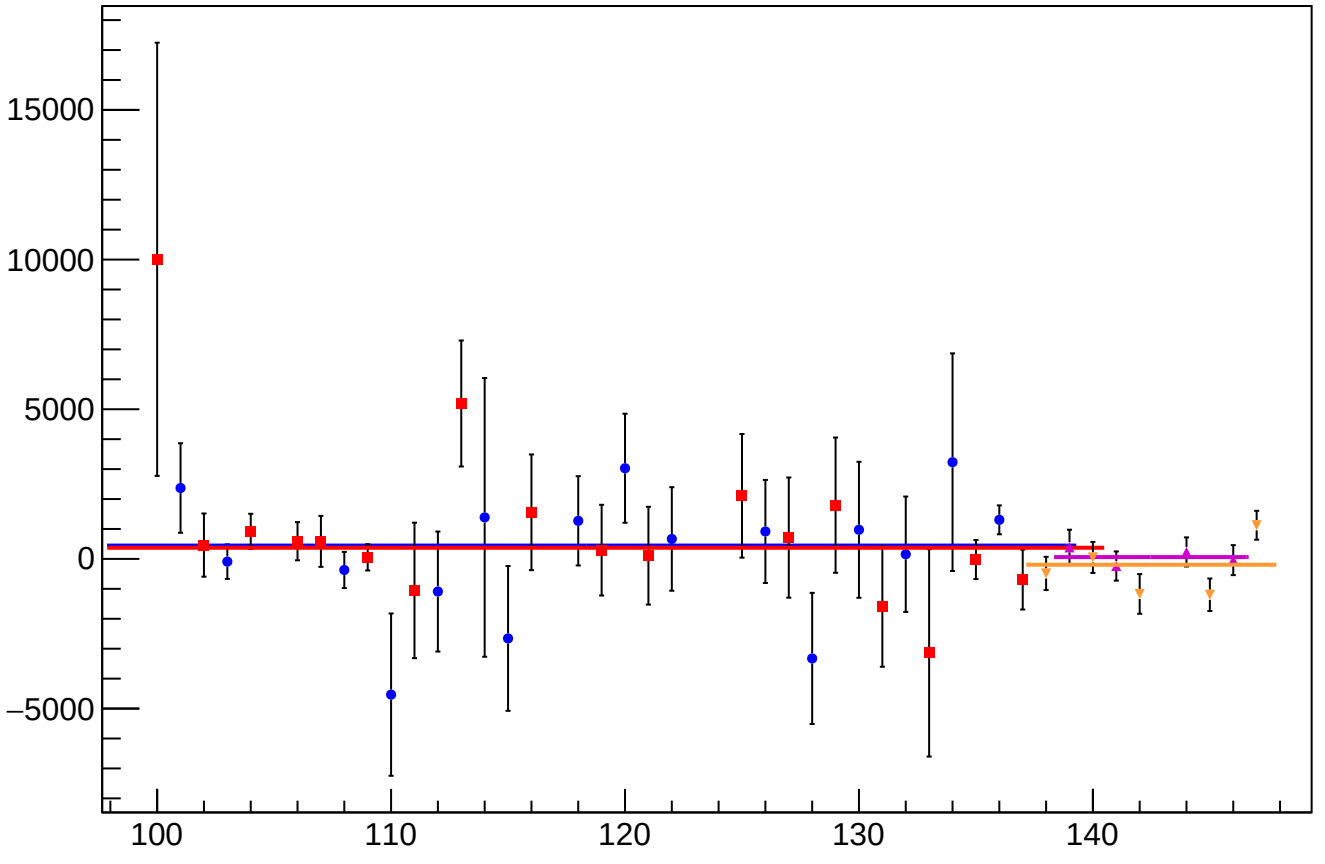
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

\+ sign 1499.357+/-0.326 χ^2/NDF: 748934.4/20

All: 1491.135+/-0.231 χ^2/NDF: 1312634.8/42

\- sign 1482.952+/-0.326 χ^2/NDF: 562435.0/21



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

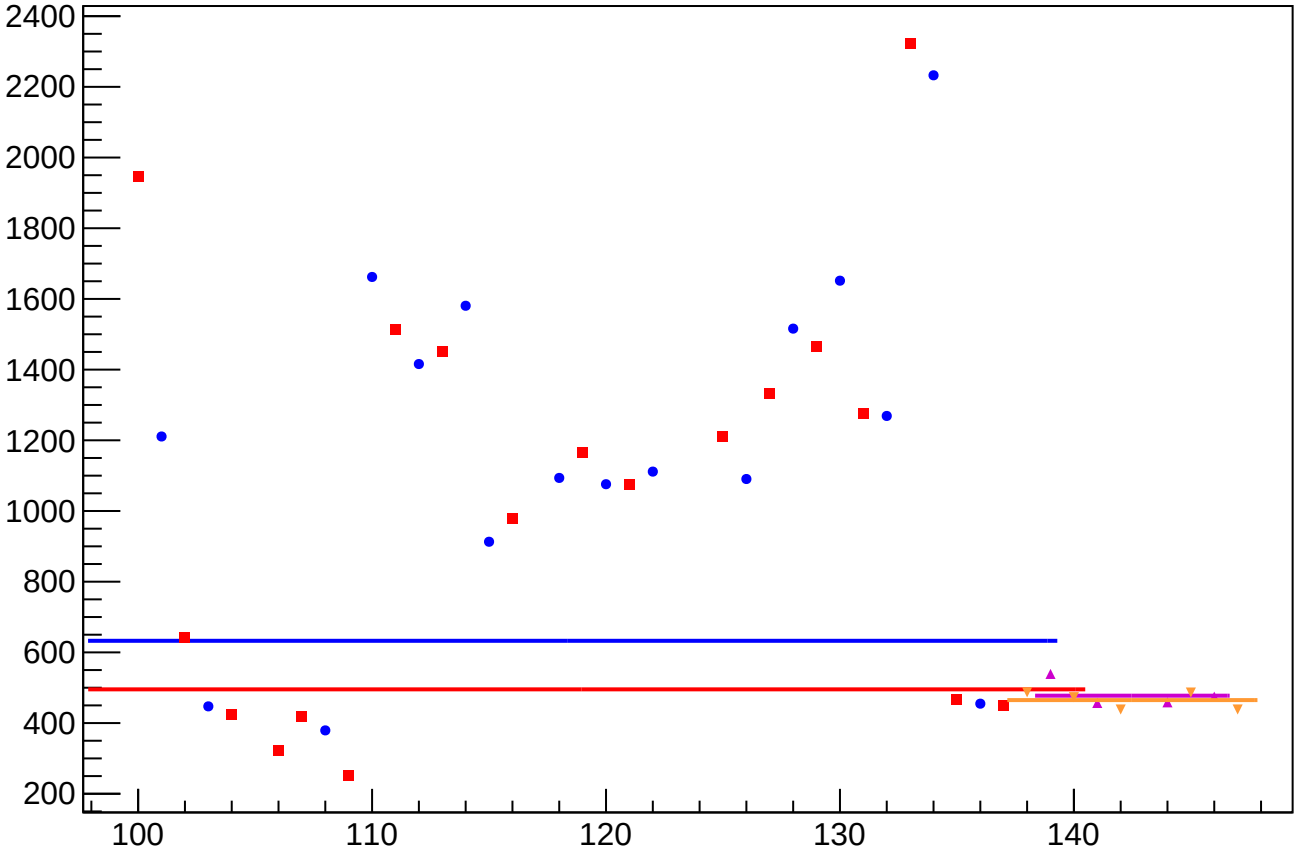
Left In: 60.621+/-255.588 χ^2/NDF:0.8/3

\+ sign 86.110+/-182.040 χ^2/NDF: 35.8/20

All: 163.426+/-124.837 χ^2/NDF: 51.8/42

\- sign 232.065+/-171.521 χ^2/NDF: 15.7/21

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 464.995+/-0.172 χ^2/NDF:16031.3/4

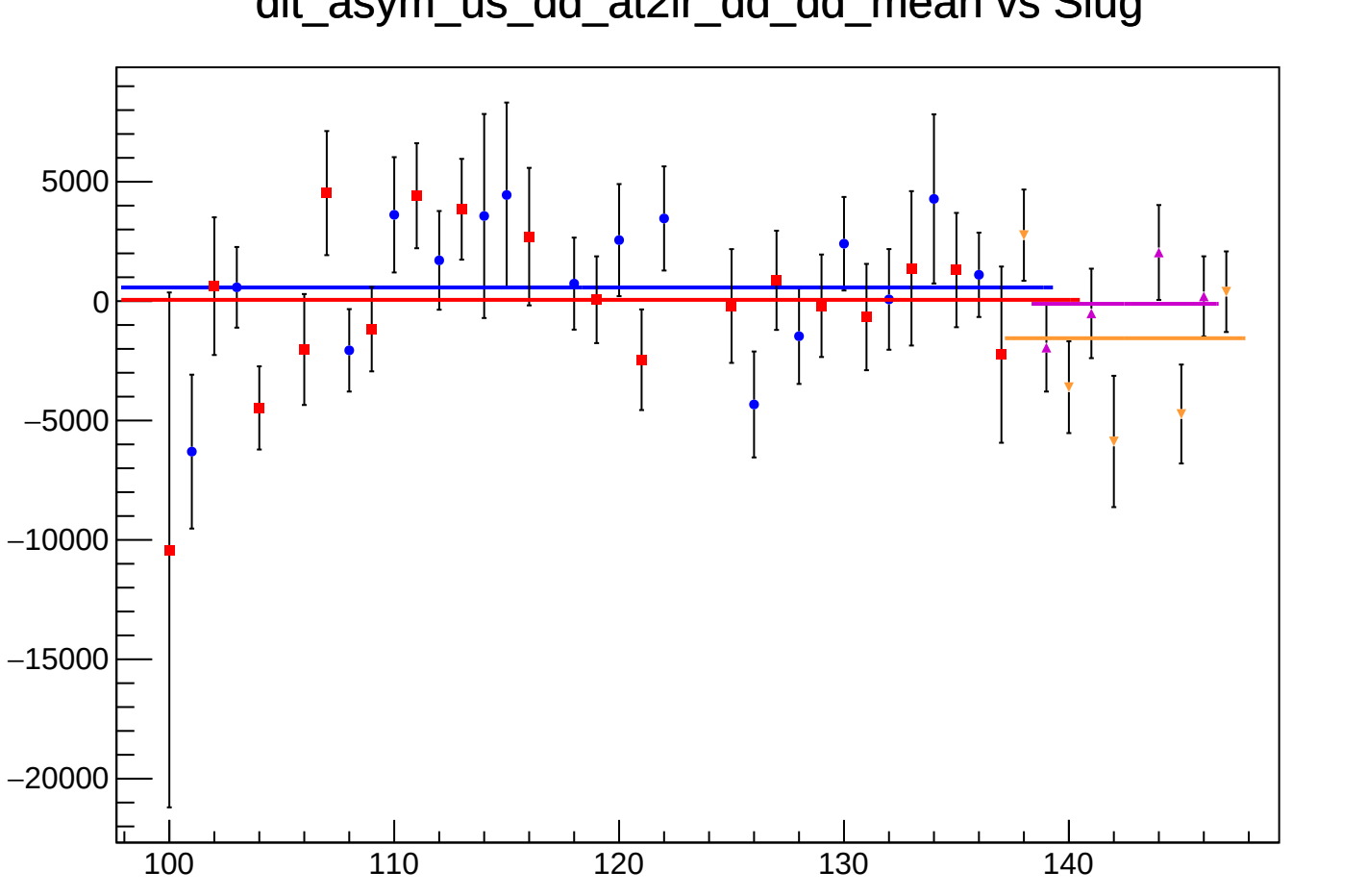
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

+ sign 538.647+/-0.129 χ^2/NDF: 4202069.9/20

All: 511.457+/-0.088 χ^2/NDF: 8657617.5/42

- sign 487.318+/-0.121 χ^2/NDF: 4371319.0/21



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.663+/-890.545 χ^2/NDF:12.4/4

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

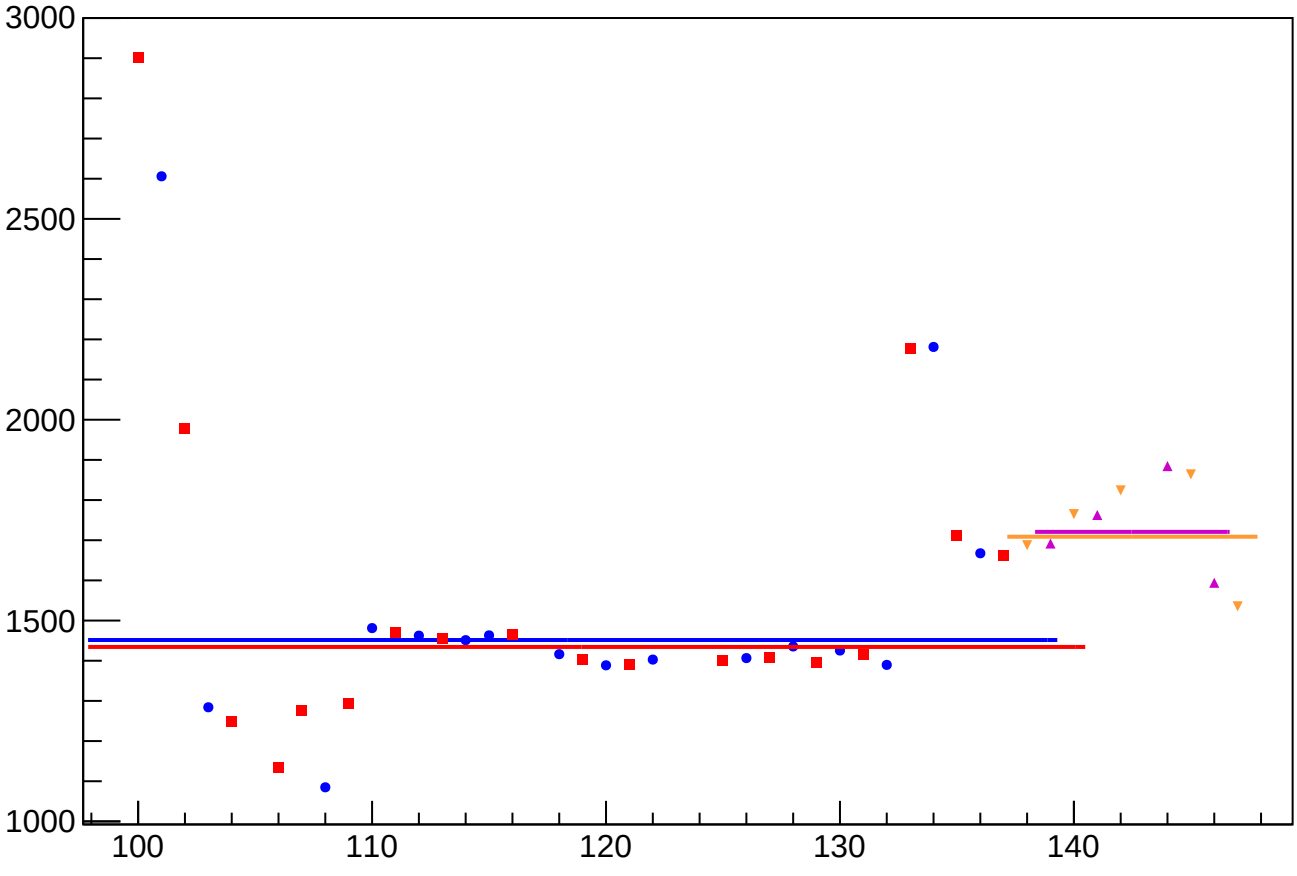
Left In: -113.391+/-917.360 χ^2/NDF:2.2/3

+ sign -14.152+/-467.726 χ^2/NDF: 37.3/20

All: -2.049+/-331.102 χ^2/NDF: 62.1/42

- sign 10.109+/-468.774 χ^2/NDF: 24.8/21

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.1/4

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

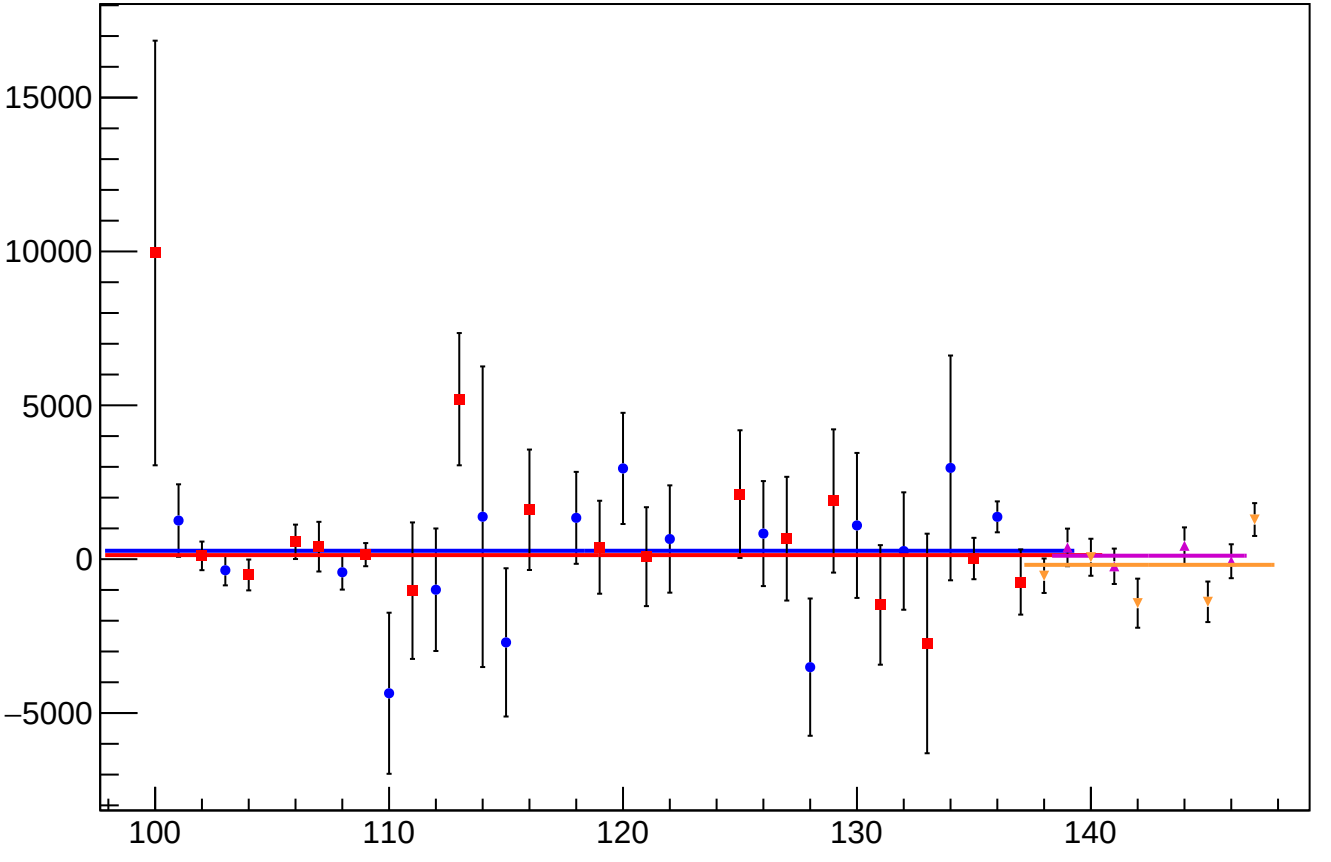
Left In: 1720.824+/-0.649 χ^2/NDF:26476.2/3

+ sign 1522.515+/-0.331 χ^2/NDF: 646376.2/20

All: 1515.839+/-0.234 χ^2/NDF: 1146397.8/42

- sign 1509.134+/-0.331 χ^2/NDF: 499205.0/21

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -184.123+/-273.726 χ^2/NDF:13.9/4

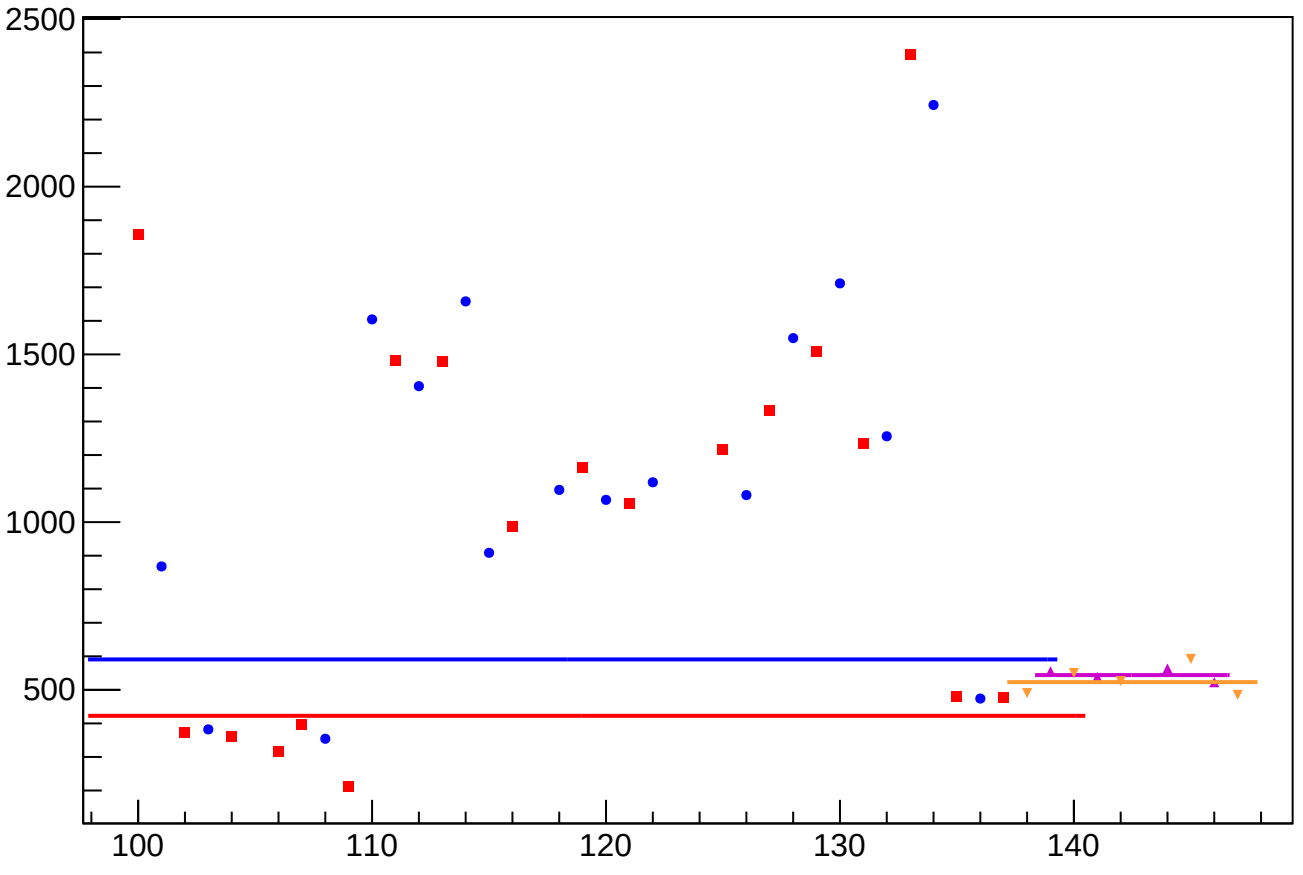
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 112.901+/-290.999 χ^2/NDF:1.0/3

\+ sign 55.947+/-188.718 χ^2/NDF: 35.6/20

All: 96.419+/-123.151 χ^2/NDF: 51.1/42

\- sign 126.436+/-162.526 χ^2/NDF: 15.4/21



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 523.124+/-0.194 χ^2/NDF:43152.0/4

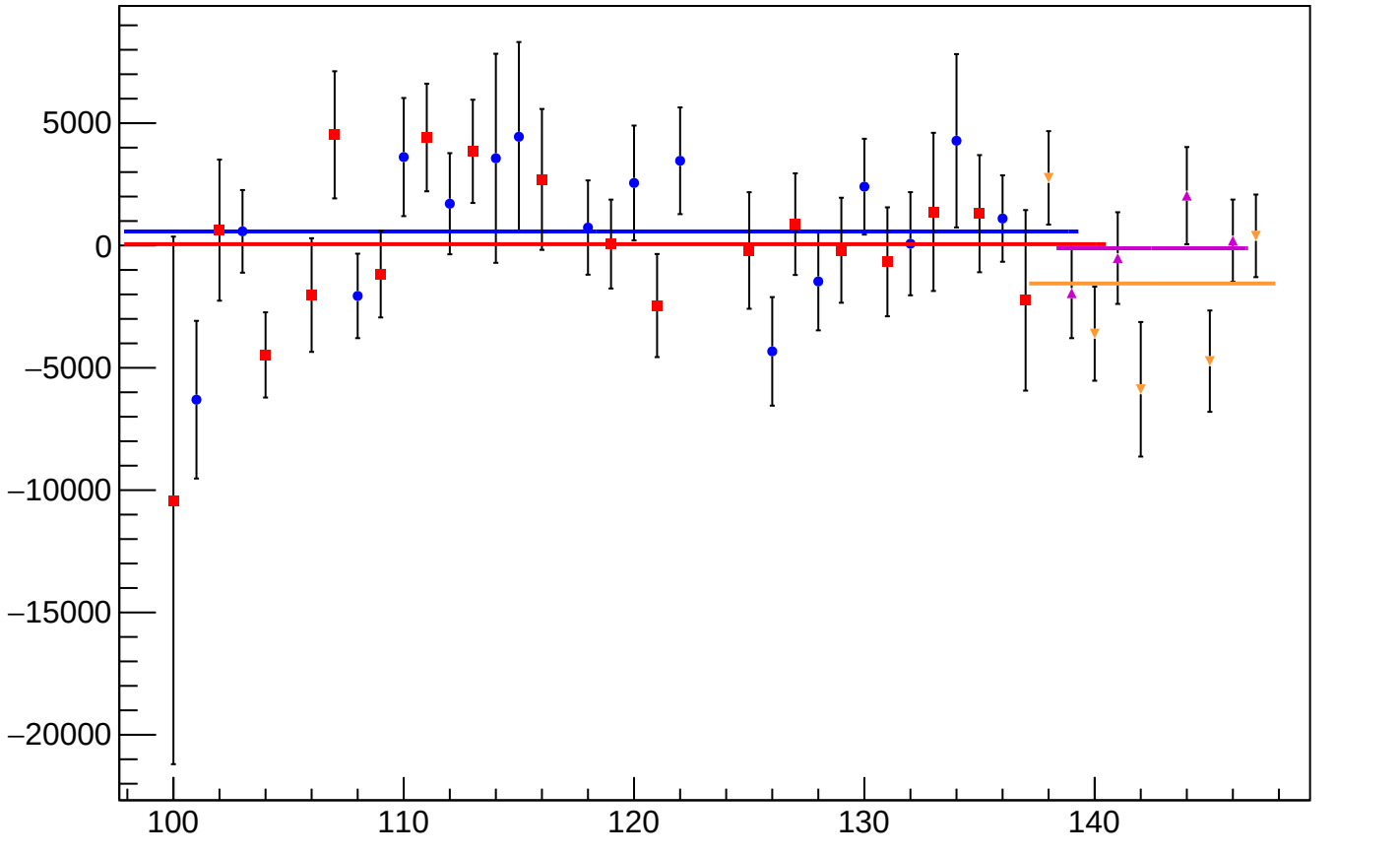
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 544.069+/-0.206 χ^2/NDF:5974.8/3

+ sign 558.605+/-0.133 χ^2/NDF: 3992701.7/20

All: 502.283+/-0.087 χ^2/NDF: 9406614.0/42

- sign 460.510+/-0.115 χ^2/NDF: 5103653.2/21



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.675+/-890.545 χ^2/NDF:12.4/4

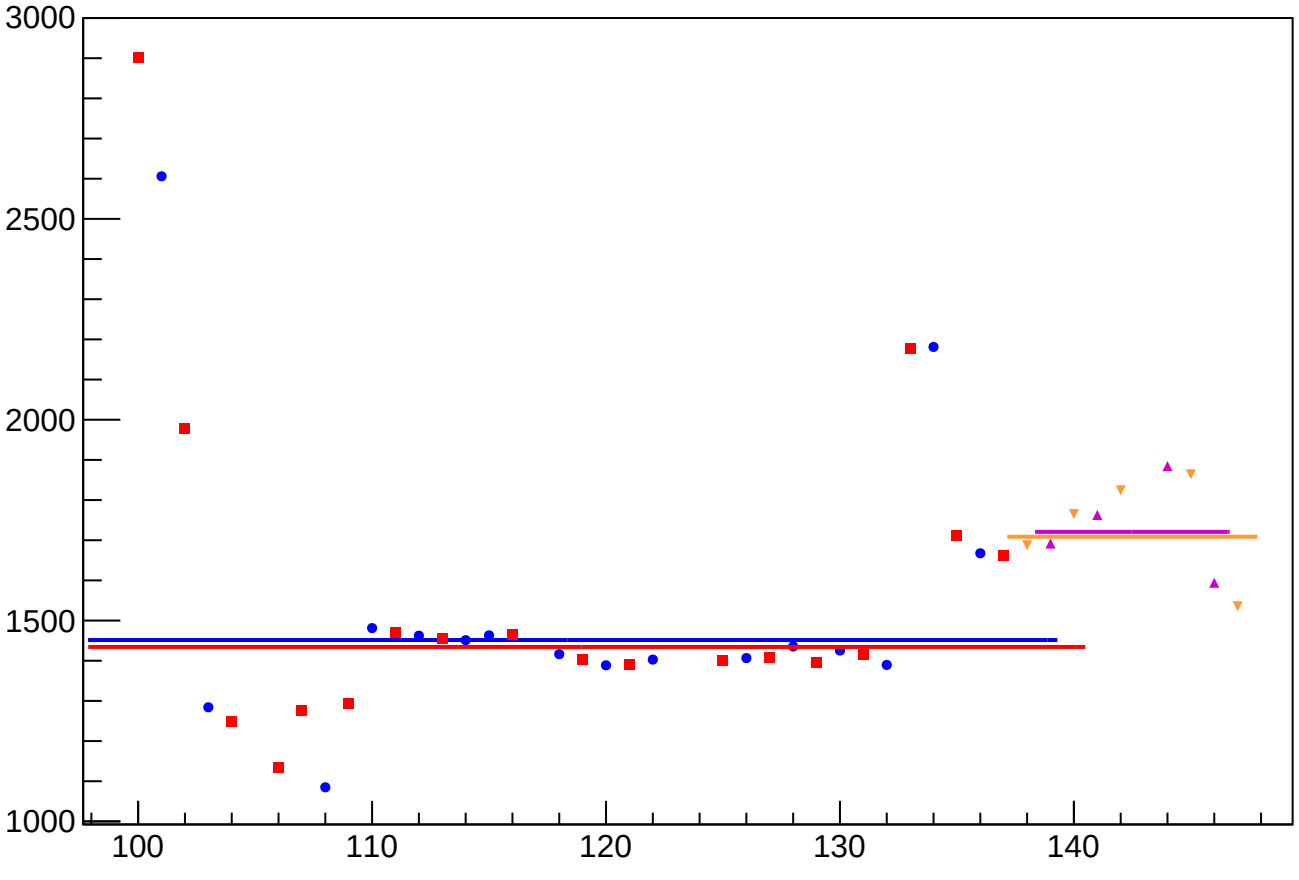
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -113.381+/-917.360 χ^2/NDF:2.2/3

+ sign -14.154+/-467.726 χ^2/NDF: 37.3/20

All: -2.049+/-331.102 χ^2/NDF: 62.1/42

- sign 10.110+/-468.774 χ^2/NDF: 24.8/21



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.3/4

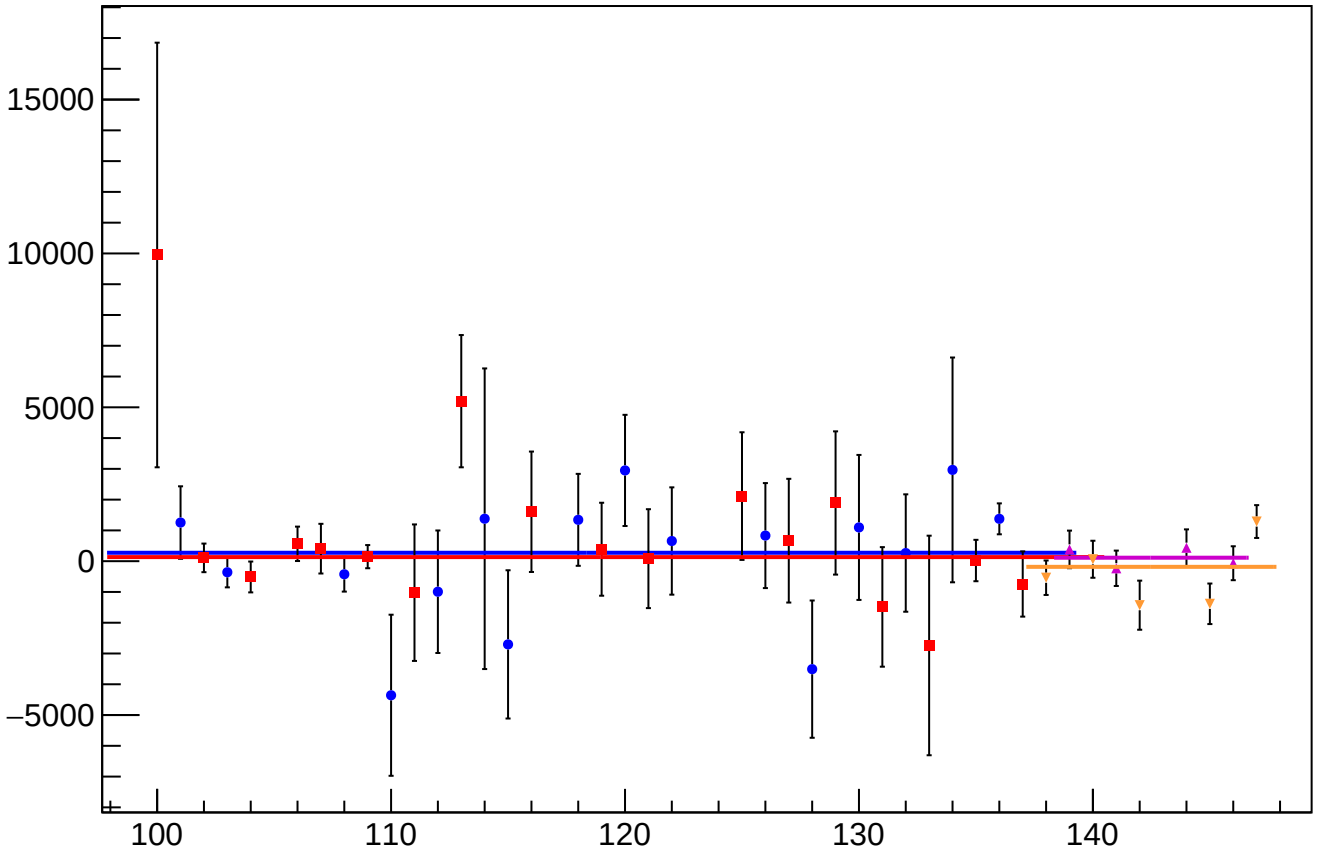
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.4/3

+ sign 1522.515+/-0.331 χ^2/NDF: 646375.9/20

All: 1515.839+/-0.234 χ^2/NDF: 1146397.8/42

- sign 1509.134+/-0.331 χ^2/NDF: 499205.3/21



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -184.113+/-273.730 χ^2/NDF:13.9/4

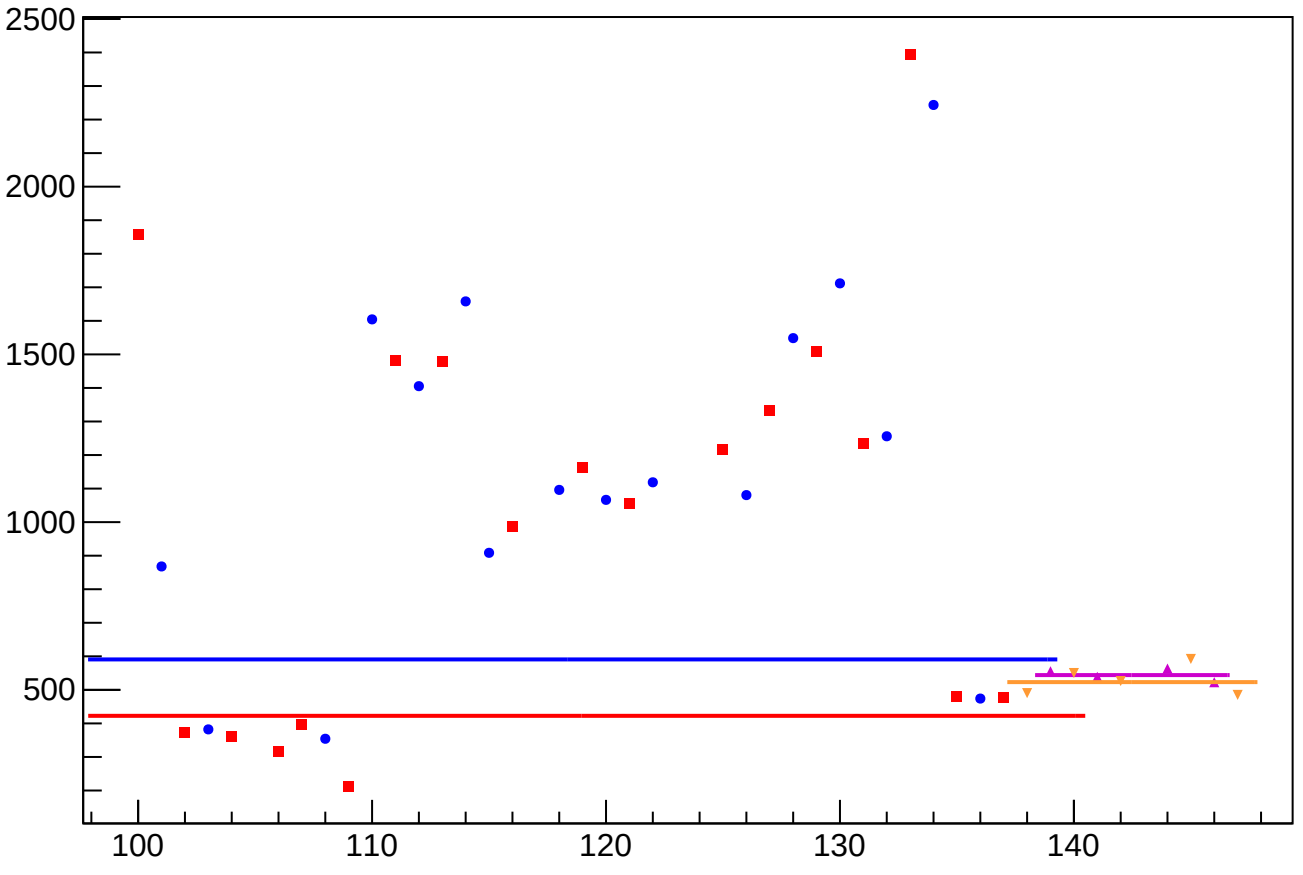
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 112.908+/-291.001 χ^2/NDF:1.0/3

\+ sign 55.950+/-188.719 χ^2/NDF: 35.6/20

All: 96.419+/-123.152 χ^2/NDF: 51.1/42

\- sign 126.435+/-162.527 χ^2/NDF: 15.4/21



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 523.131+/-0.194 χ^2/NDF:43149.7/4

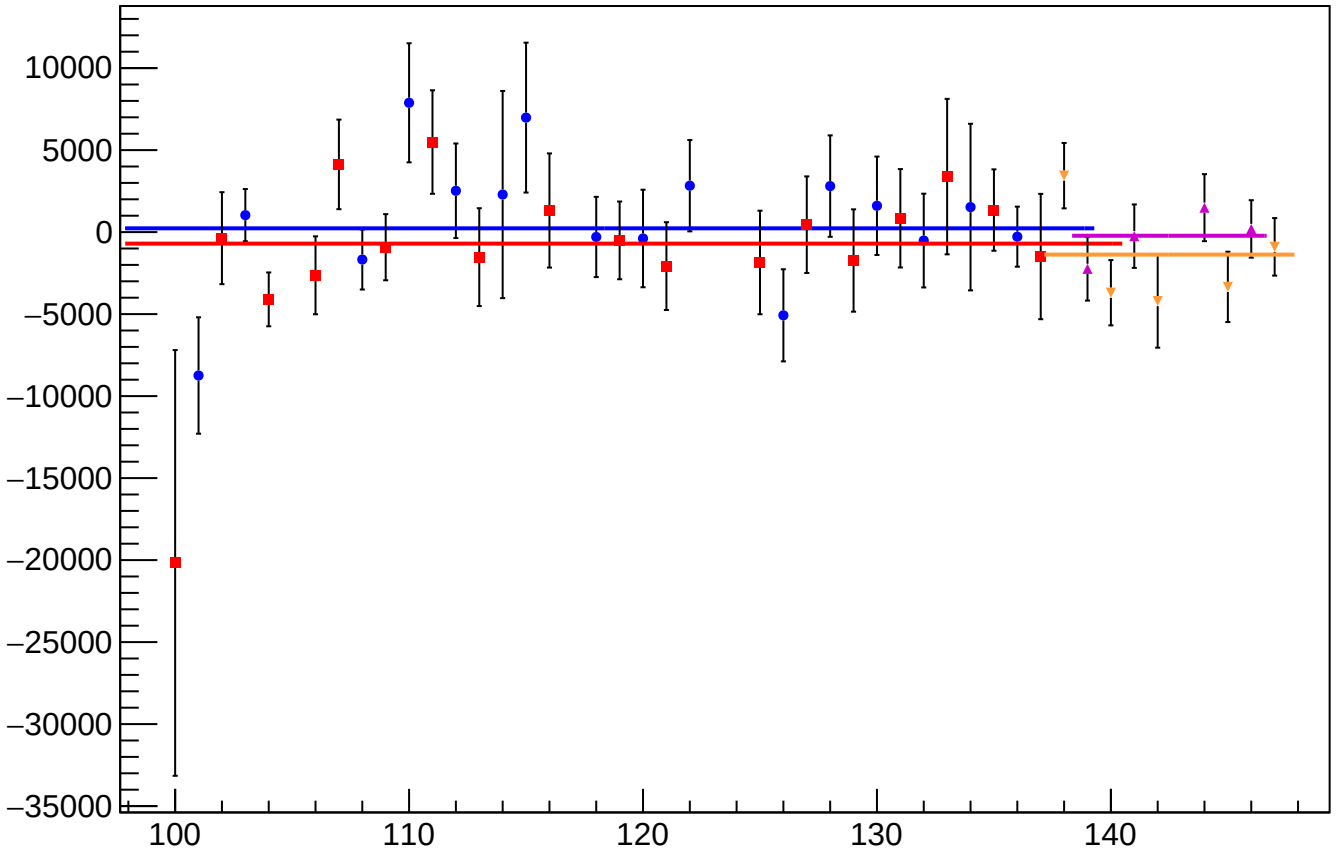
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 544.074+/-0.206 χ^2/NDF:5981.0/3

+ sign 558.608+/-0.133 χ^2/NDF: 3992709.5/20

All: 502.288+/-0.087 χ^2/NDF: 9406521.1/42

- sign 460.515+/-0.115 χ^2/NDF: 5103570.3/21



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1373.014+/-924.584 χ^2/NDF:9.1/4

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

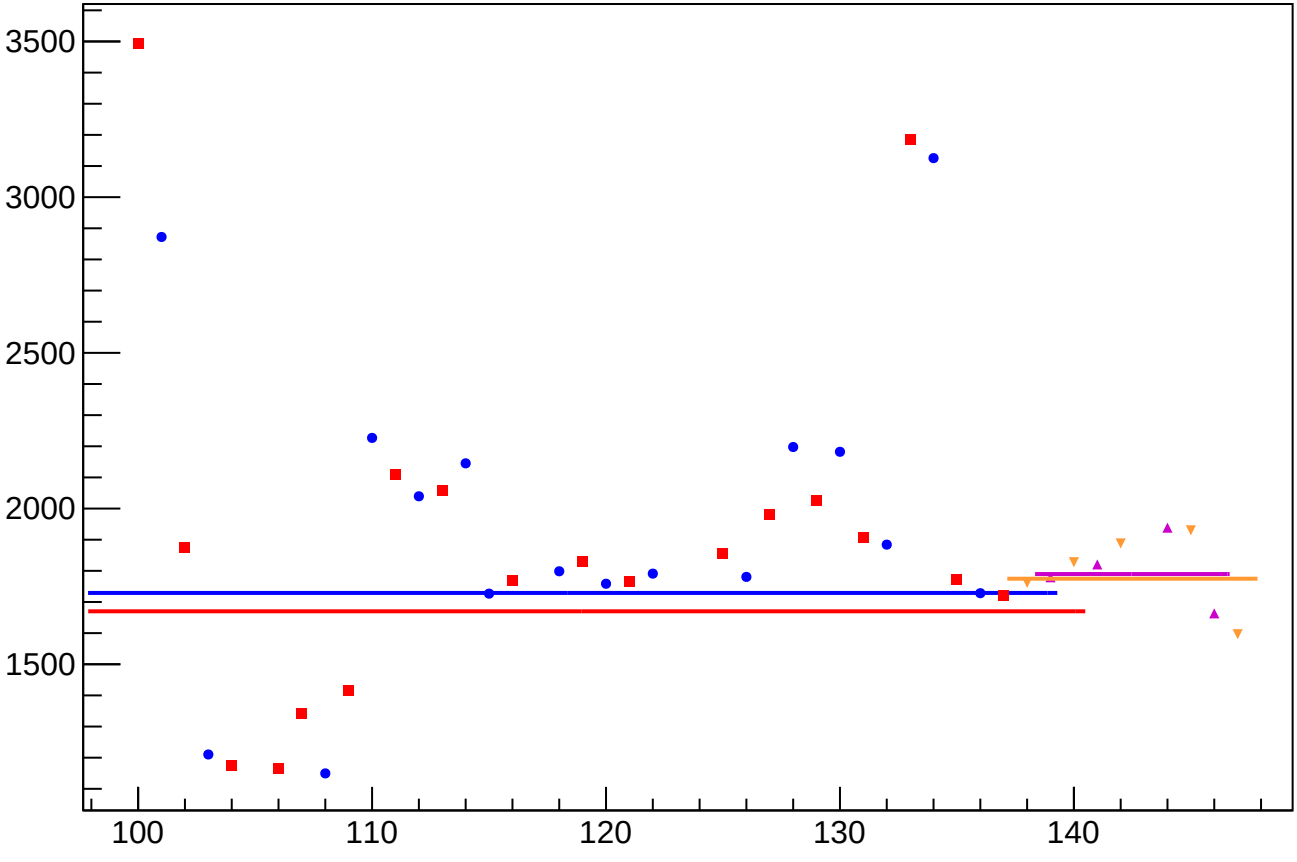
Left In: -221.903+/-953.767 χ^2/NDF:1.8/3

+ sign -317.372+/-540.527 χ^2/NDF: 31.8/20

All: -434.857+/-380.663 χ^2/NDF: 51.0/42

- sign -550.458+/-536.176 χ^2/NDF: 19.0/21

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1774.735+/-0.654 χ^2/NDF:35802.4/4

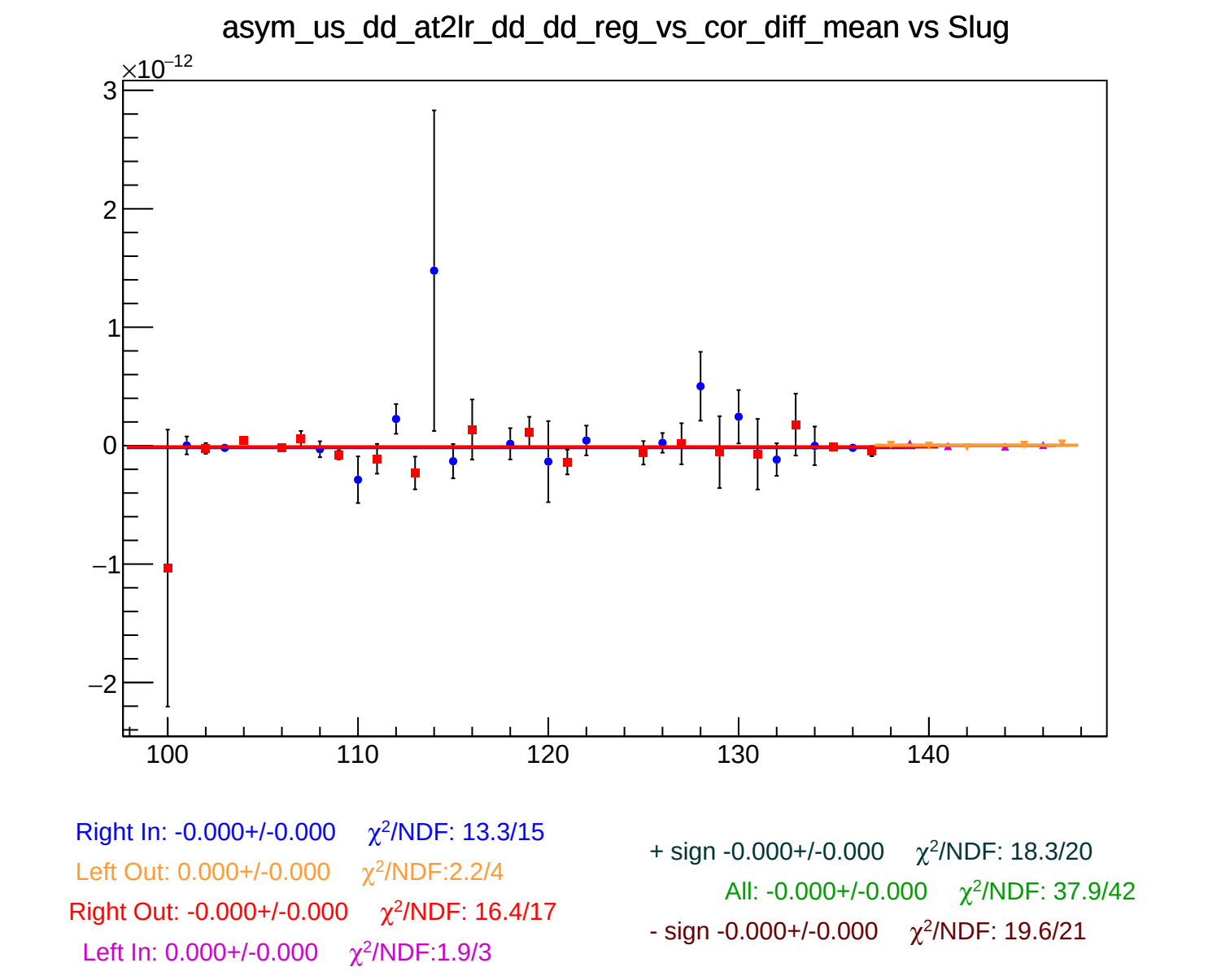
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

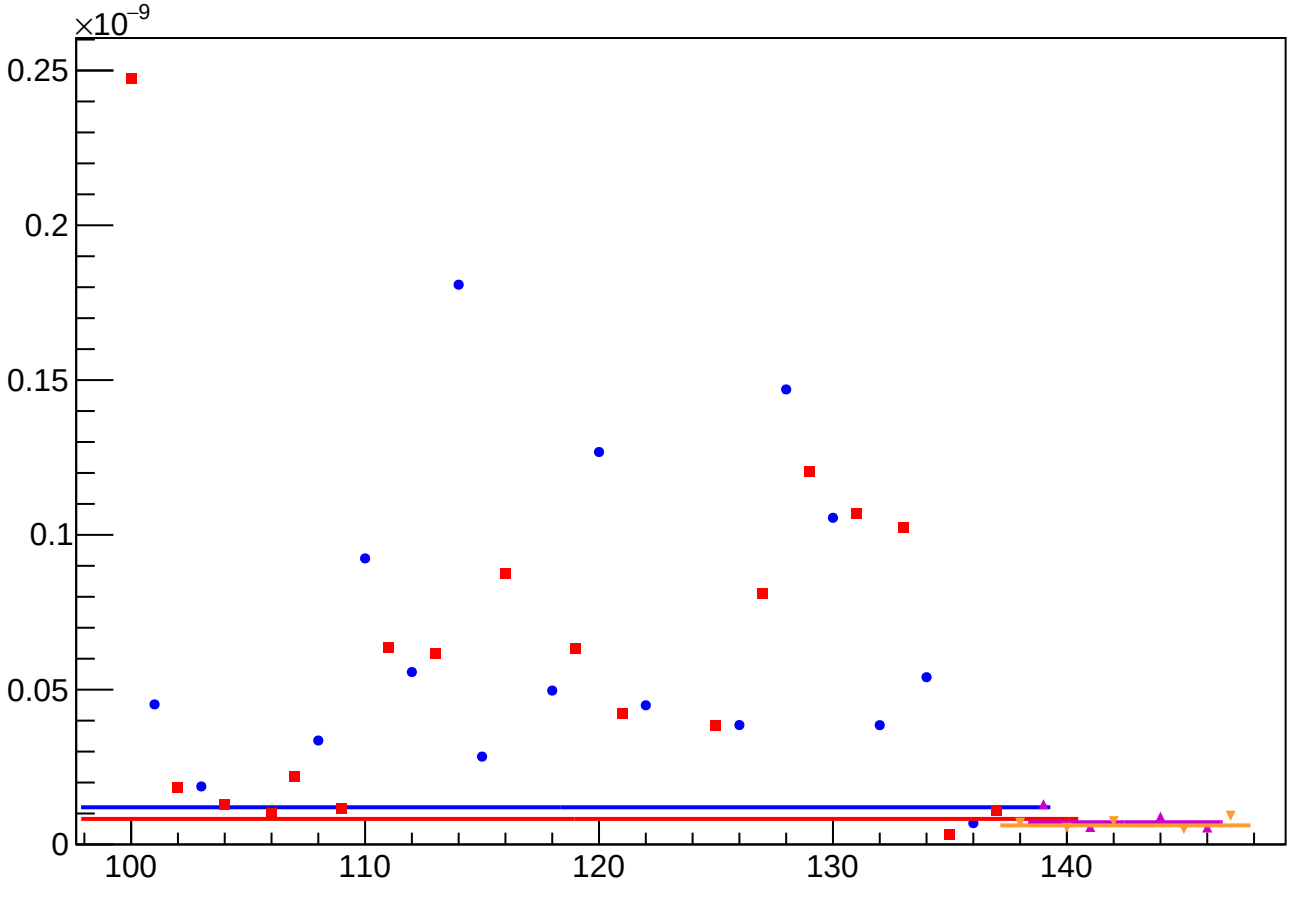
Left In: 1789.776+/-0.674 χ^2/NDF:21580.4/3

+ sign 1744.664+/-0.382 χ^2/NDF: 981095.7/20

All: 1726.129+/-0.269 χ^2/NDF: 1773347.3/42

- sign 1707.891+/-0.379 χ^2/NDF: 787585.9/21


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: 0.000+/-0.000 χ²/NDF:1.9/3
+ sign -0.000+/-0.000 χ²/NDF: 18.3/20
All: -0.000+/-0.000 χ²/NDF: 37.9/42
- sign -0.000+/-0.000 χ²/NDF: 19.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:139494.3/4

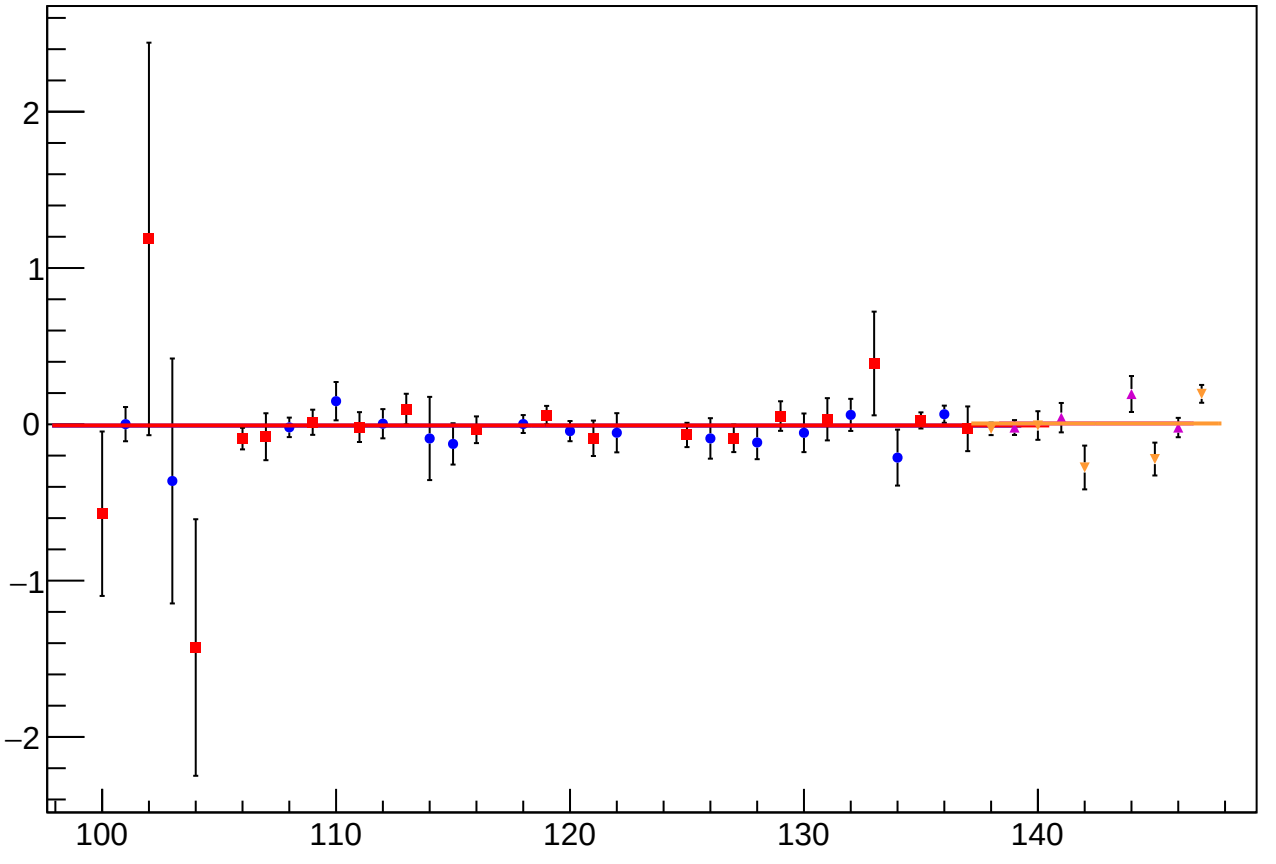
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:356969.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 4078425.6/20

All: 0.000+/-0.000 χ^2/NDF: 7967350.6/42

- sign 0.000+/-0.000 χ^2/NDF: 3888238.8/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

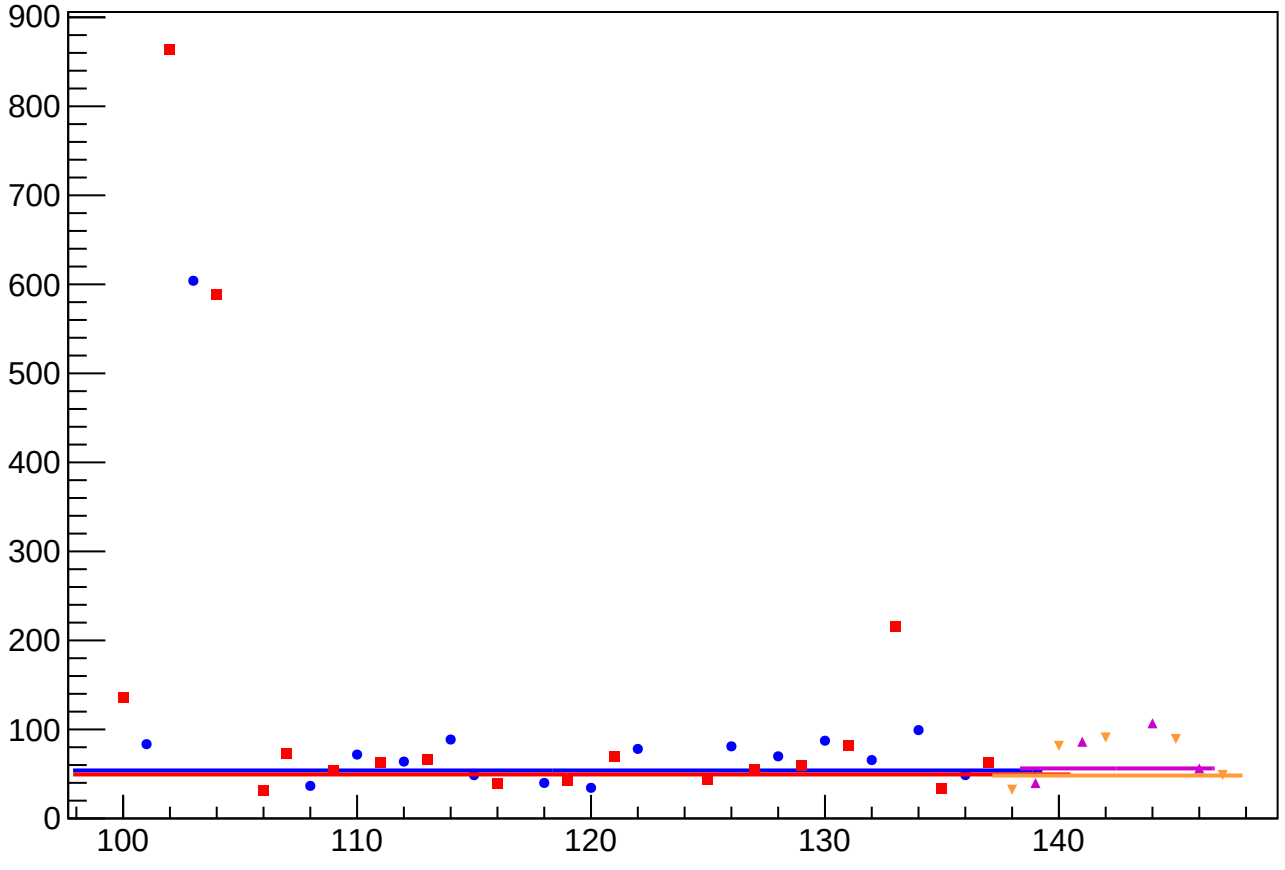
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.003+/-0.013 χ^2/NDF: 46.1/42

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.252+/-0.020 χ^2/NDF:1074849.3/4

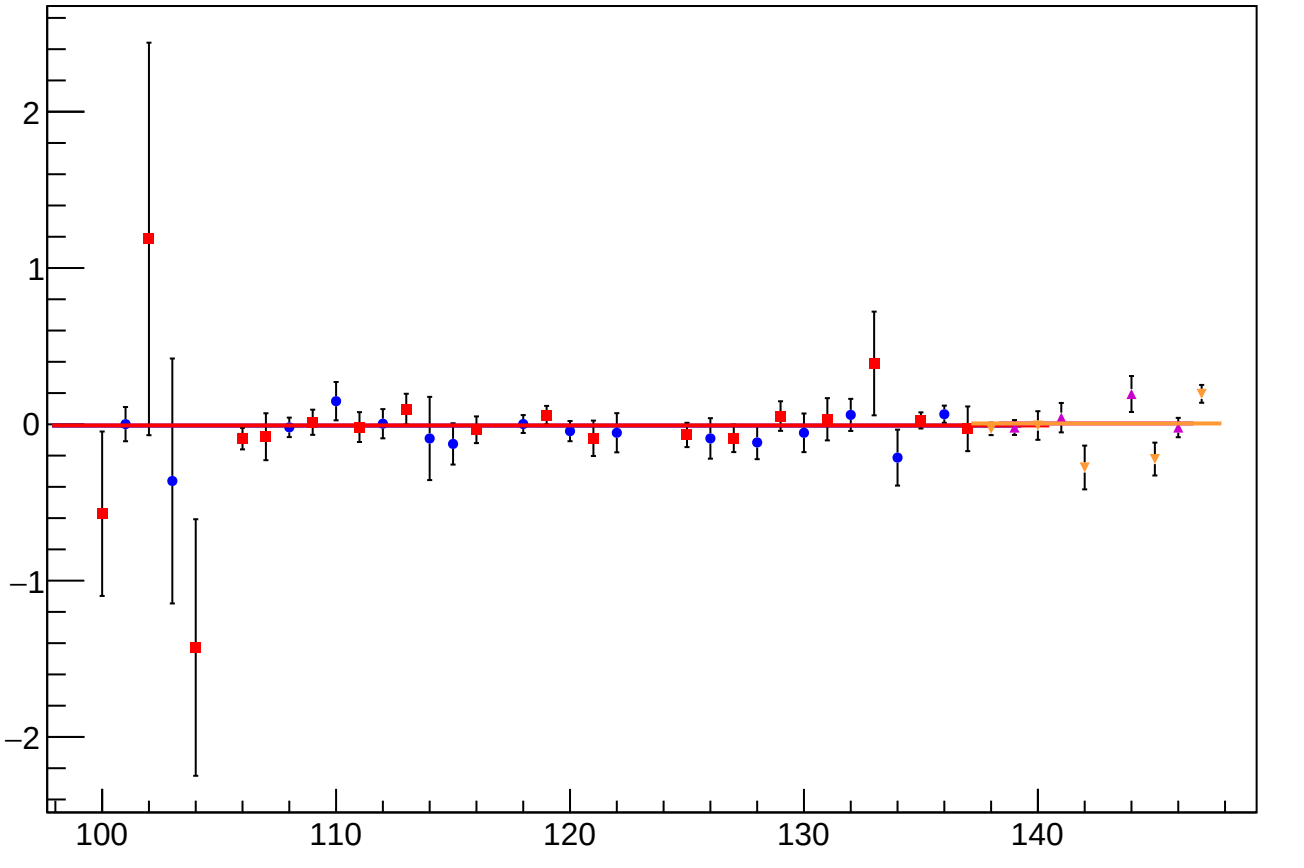
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

+ sign 51.715+/-0.013 χ^2/NDF: 3336180.3/20

All: 51.605+/-0.009 χ^2/NDF: 7239791.7/42

- sign 51.490+/-0.013 χ^2/NDF: 3903459.0/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

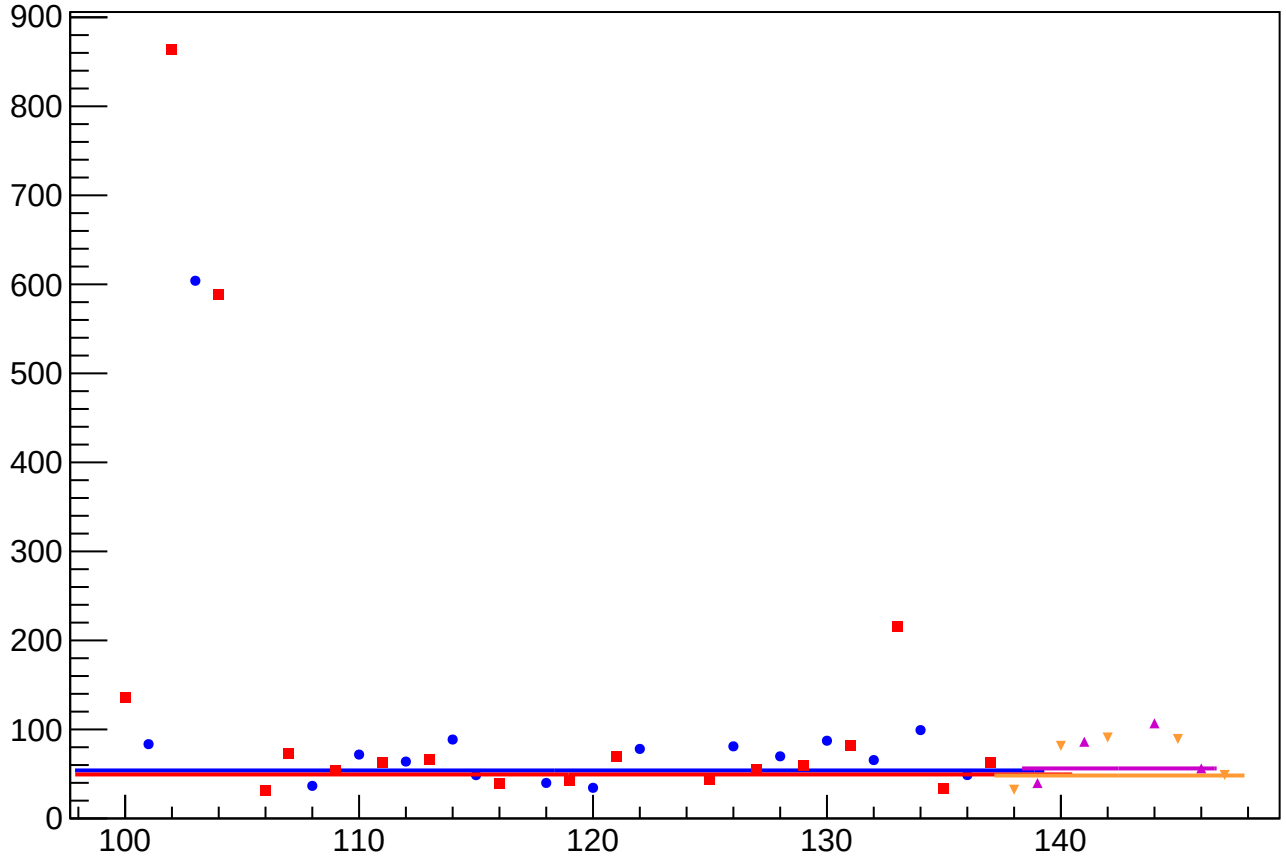
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.003+/-0.013 χ^2/NDF: 46.1/42

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.252+/-0.020 χ^2/NDF:1074849.3/4

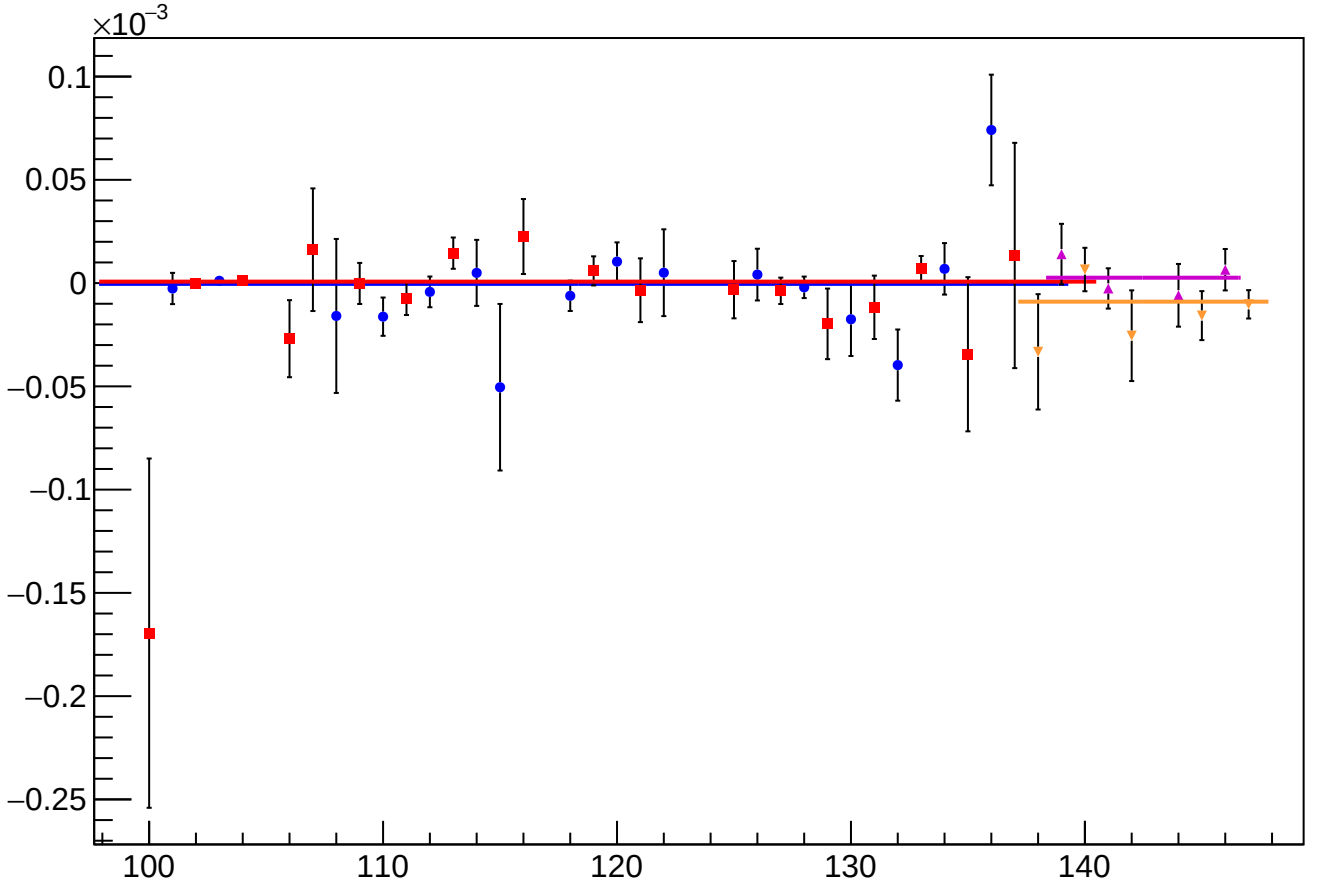
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

+ sign 51.715+/-0.013 χ^2/NDF: 3336180.3/20

All: 51.605+/-0.009 χ^2/NDF: 7239791.7/42

- sign 51.490+/-0.013 χ^2/NDF: 3903459.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

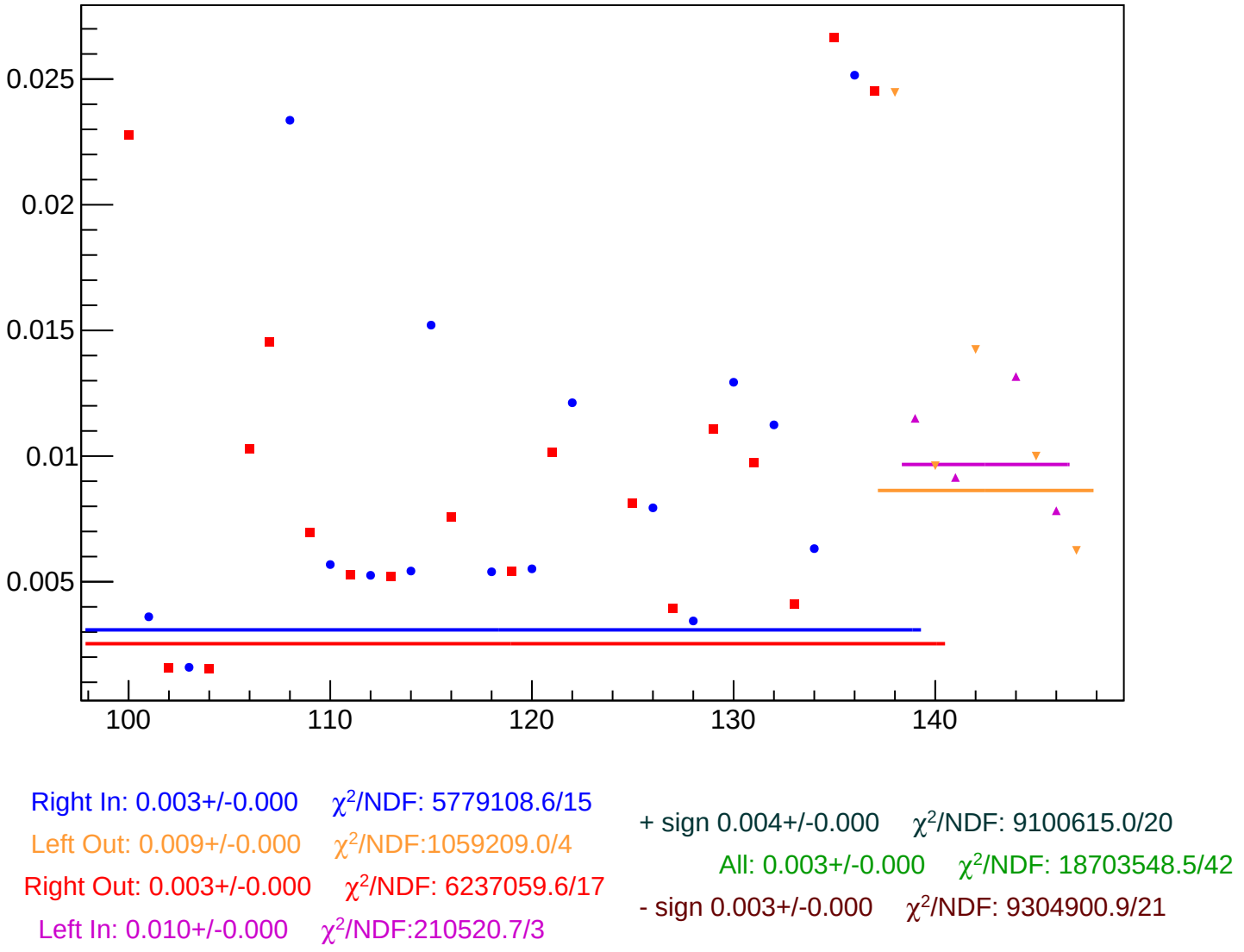
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

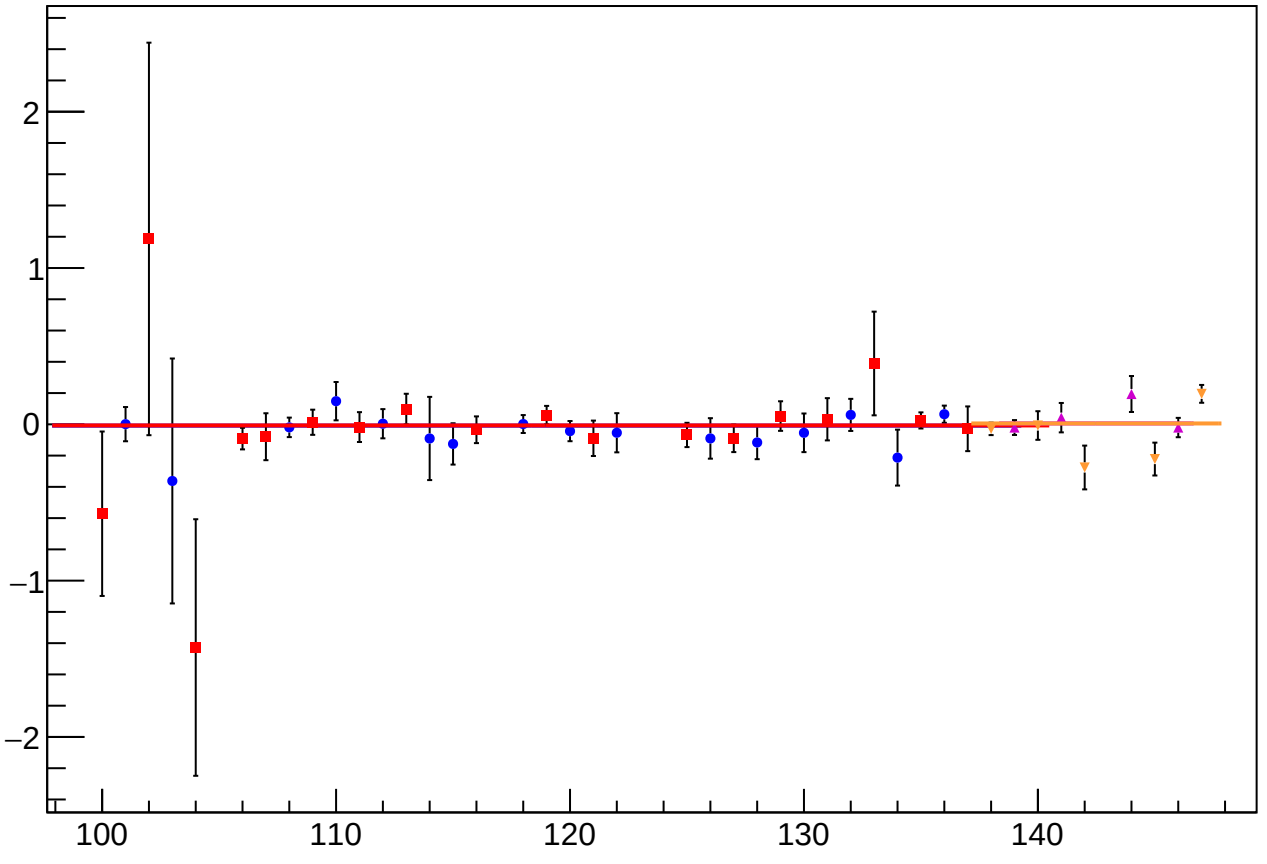
Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: 0.000+/-0.000 χ^2/NDF: 49.0/42

- sign 0.000+/-0.000 χ^2/NDF: 19.3/21


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.009+/-0.000 χ²/NDF:1059209.0/4
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.010+/-0.000 χ²/NDF:210520.7/3
+ sign 0.004+/-0.000 χ²/NDF: 9100615.0/20
All: 0.003+/-0.000 χ²/NDF: 18703548.5/42
- sign 0.003+/-0.000 χ²/NDF: 9304900.9/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

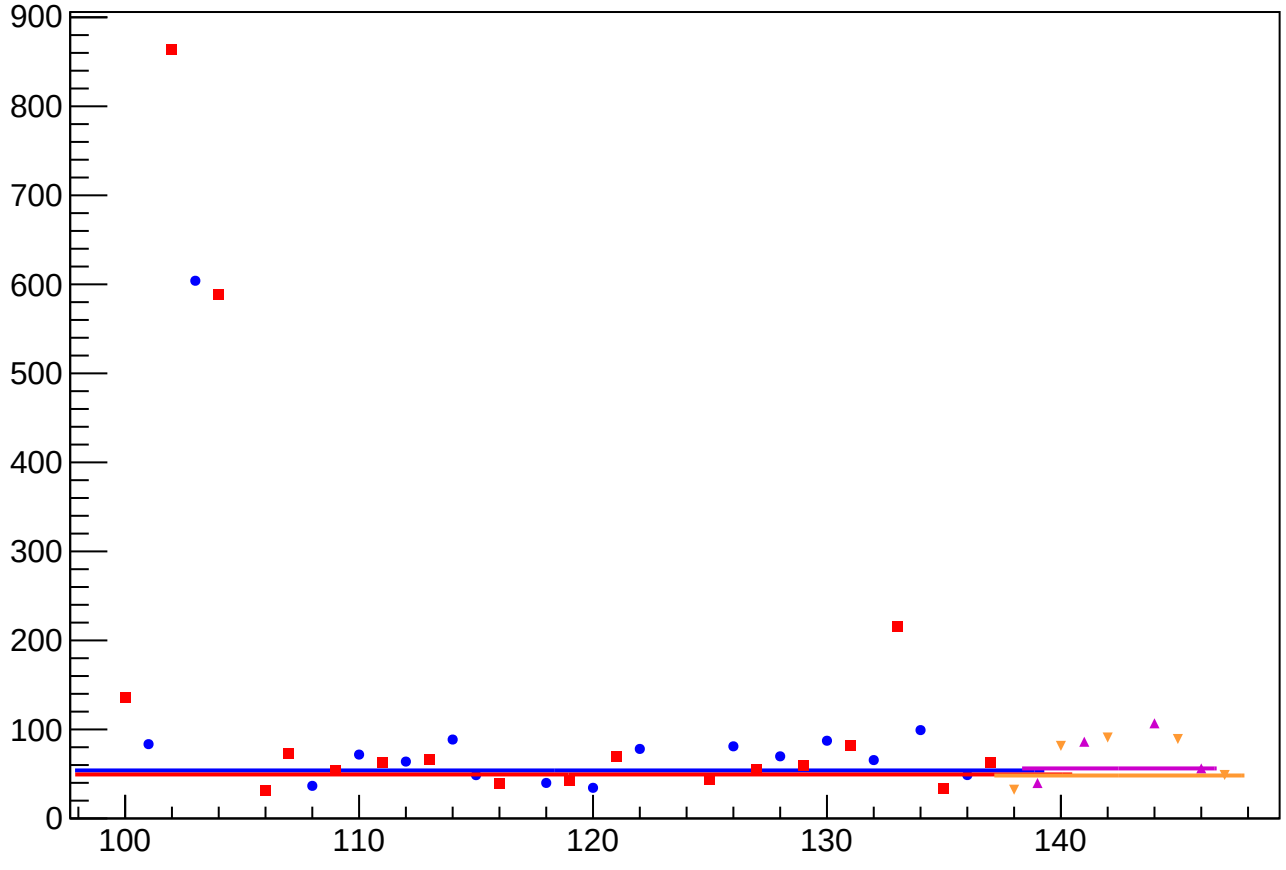
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.003+/-0.013 χ^2/NDF: 46.1/42

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.258+/-0.020 χ^2/NDF:1074358.4/4

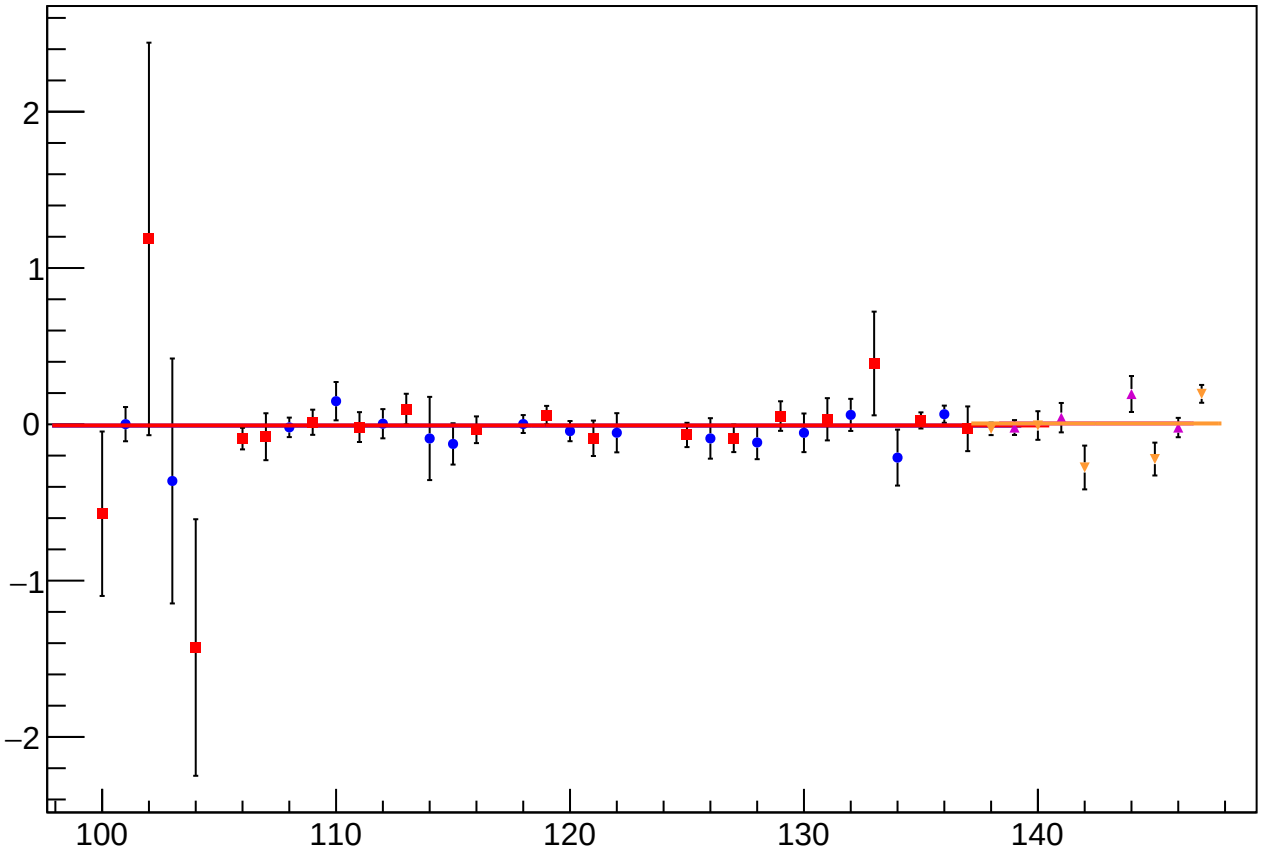
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

+ sign 51.720+/-0.013 χ^2/NDF: 3335241.3/20

All: 51.608+/-0.009 χ^2/NDF: 7238556.7/42

- sign 51.491+/-0.013 χ^2/NDF: 3903159.2/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

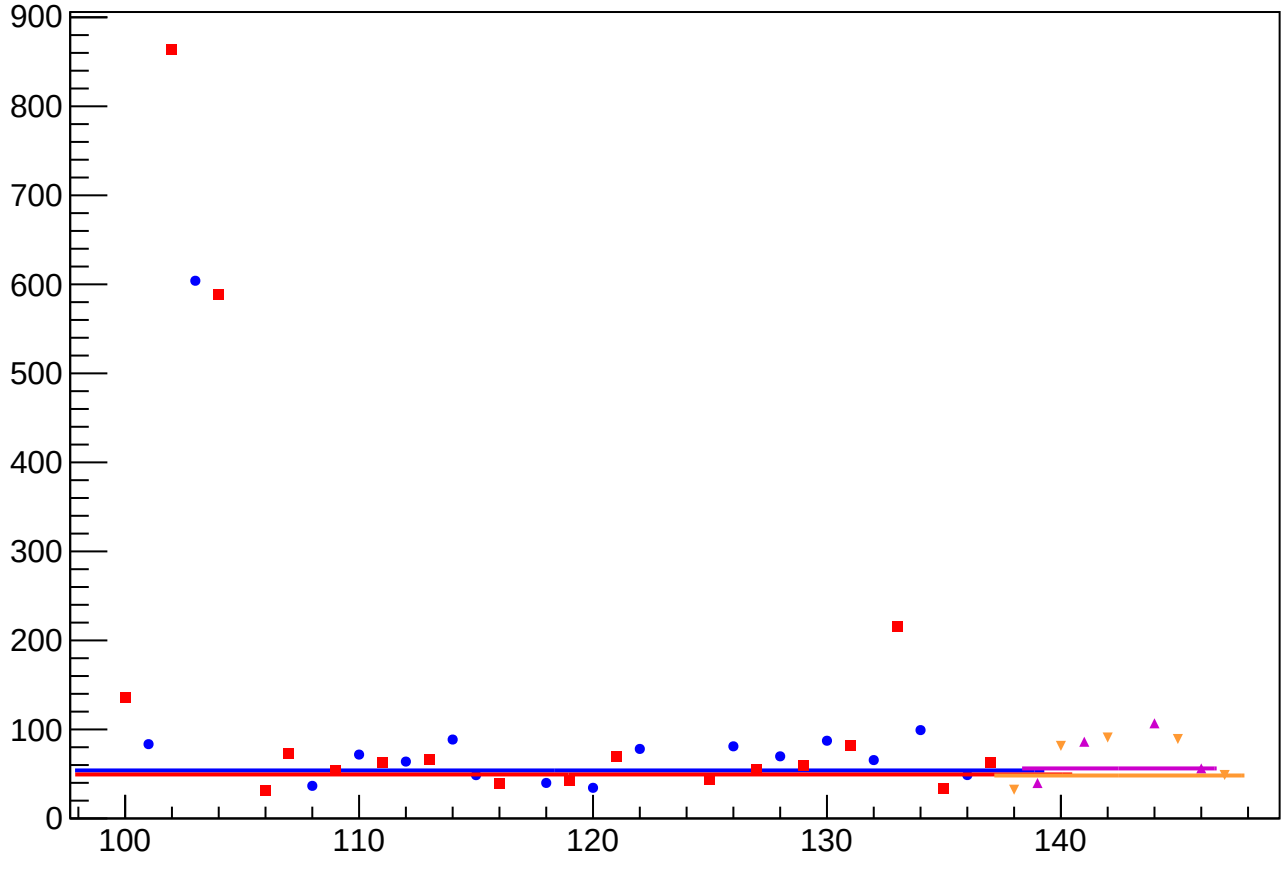
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.003+/-0.013 χ^2/NDF: 46.1/42

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.258+/-0.020 χ^2/NDF:1074358.4/4

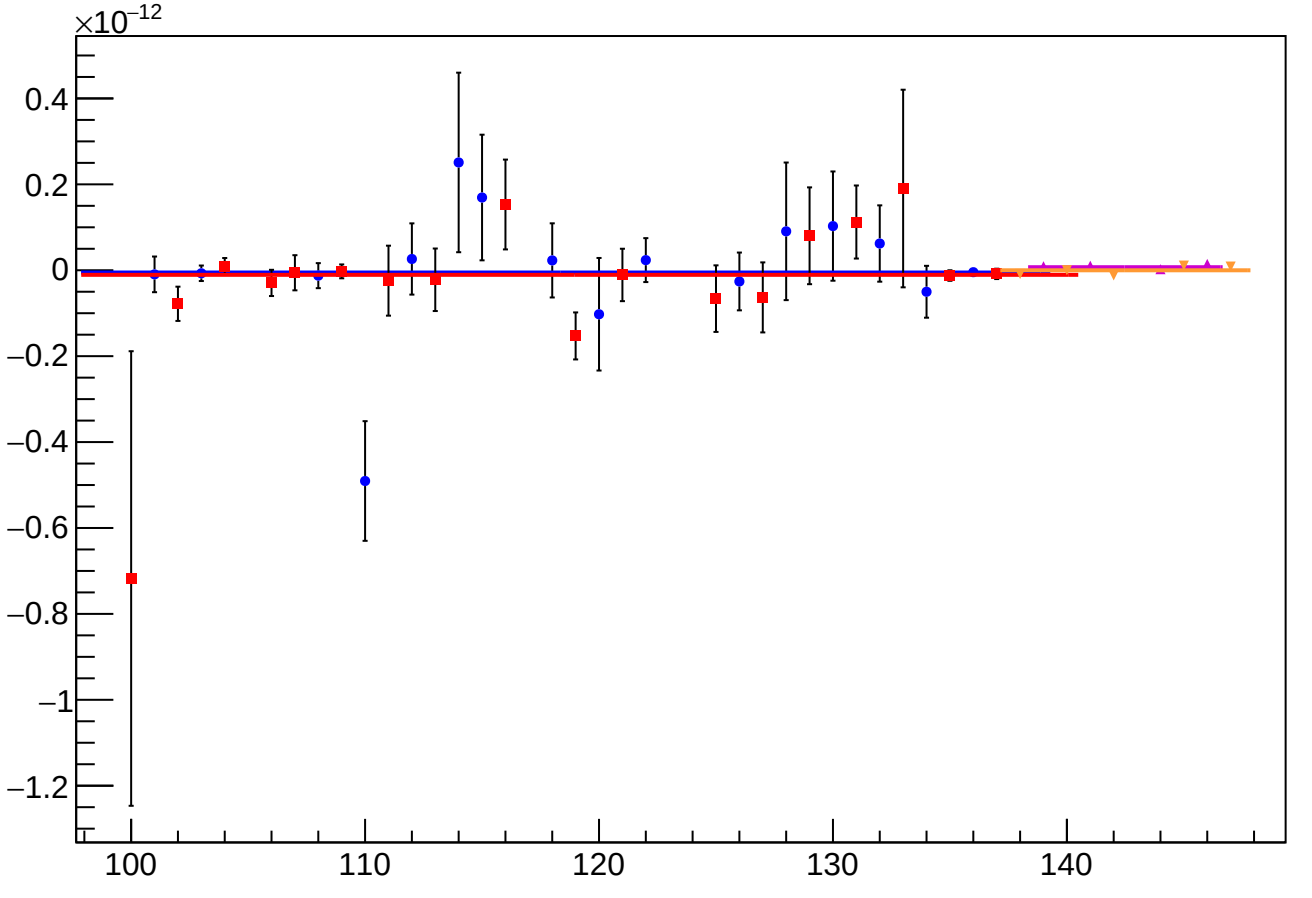
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

+ sign 51.720+/-0.013 χ^2/NDF: 3335241.3/20

All: 51.608+/-0.009 χ^2/NDF: 7238556.7/42

- sign 51.491+/-0.013 χ^2/NDF: 3903159.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

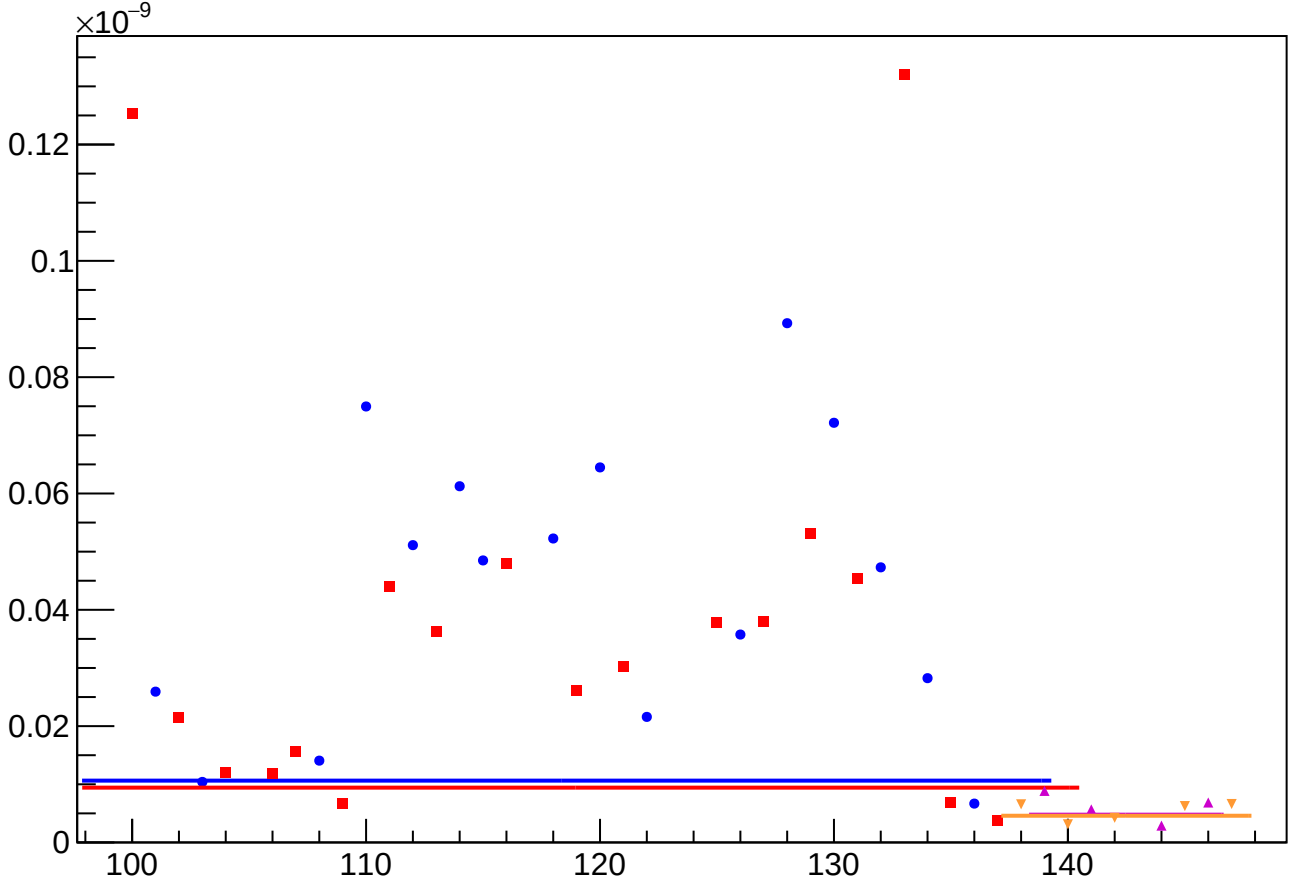
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/20

All: 0.000+/-0.000 χ^2/NDF: 53.6/42

- sign 0.000+/-0.000 χ^2/NDF: 27.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:490737.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

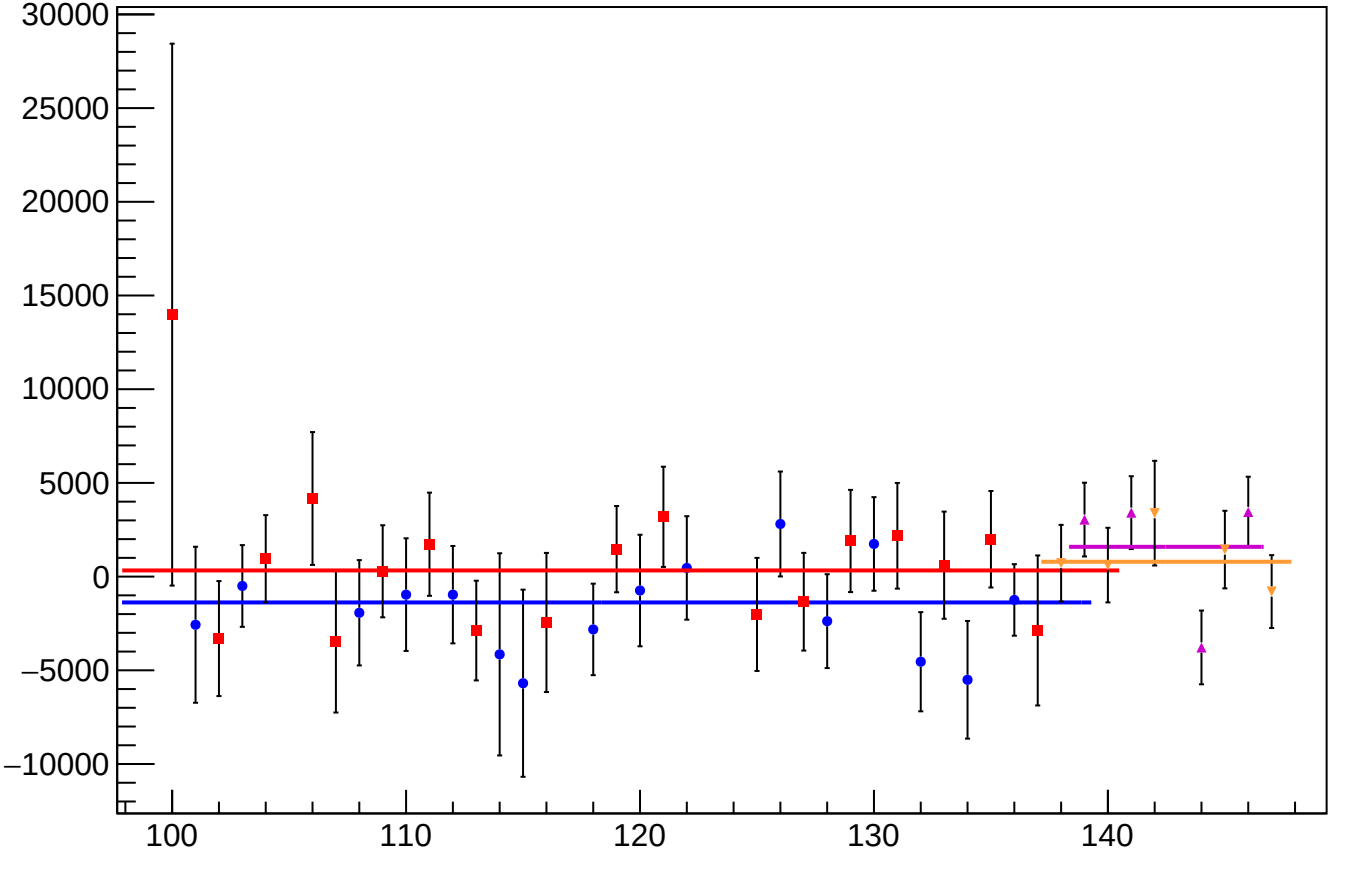
Left In: 0.000+/-0.000 χ^2/NDF:710956.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 6336339.1/20

All: 0.000+/-0.000 χ^2/NDF: 11883847.1/42

- sign 0.000+/-0.000 χ^2/NDF: 5543814.2/21

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.407+/-946.056 χ^2/NDF:1.6/4

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

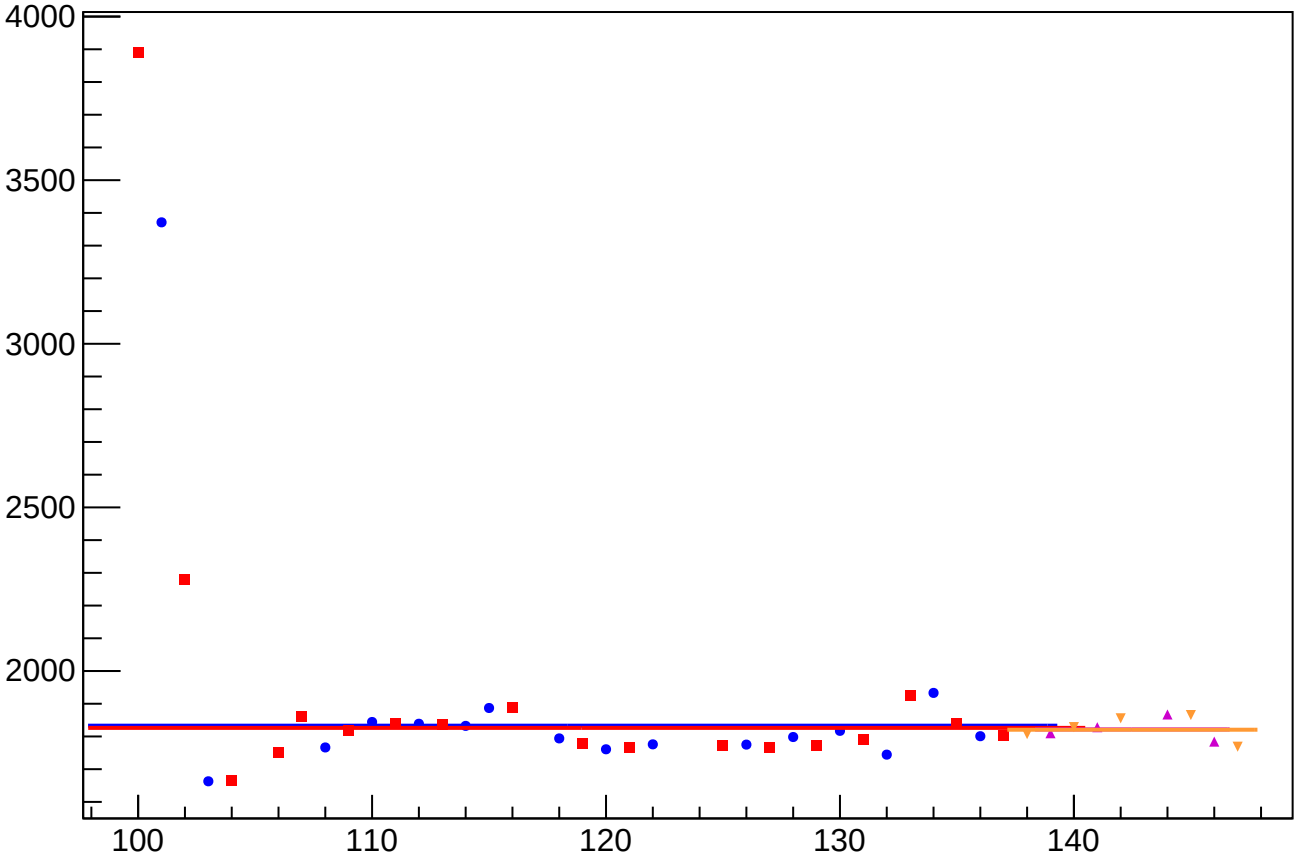
Left In: 1589.123+/-969.087 χ^2/NDF:9.9/3

+ sign -626.241+/-556.966 χ^2/NDF: 14.4/20

All: 58.556+/-394.468 χ^2/NDF: 39.4/42

- sign 747.775+/-558.762 χ^2/NDF: 22.0/21

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

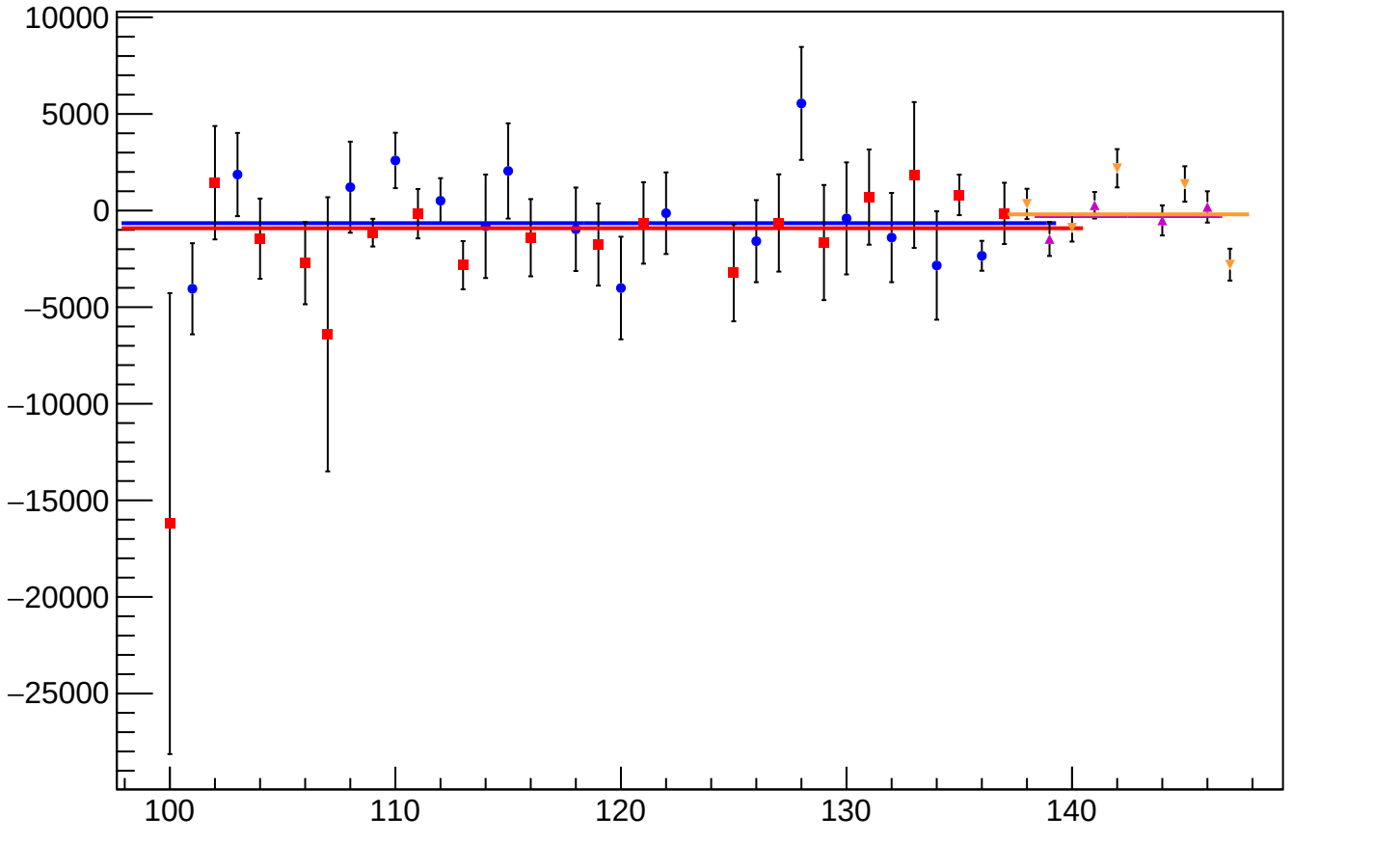
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1828.665+/-0.394 χ^2/NDF: 298455.8/20

All: 1826.668+/-0.279 χ^2/NDF: 403503.0/42

- sign 1824.658+/-0.395 χ^2/NDF: 104995.6/21



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -195.734+/-371.298 χ^2/NDF:20.1/4

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

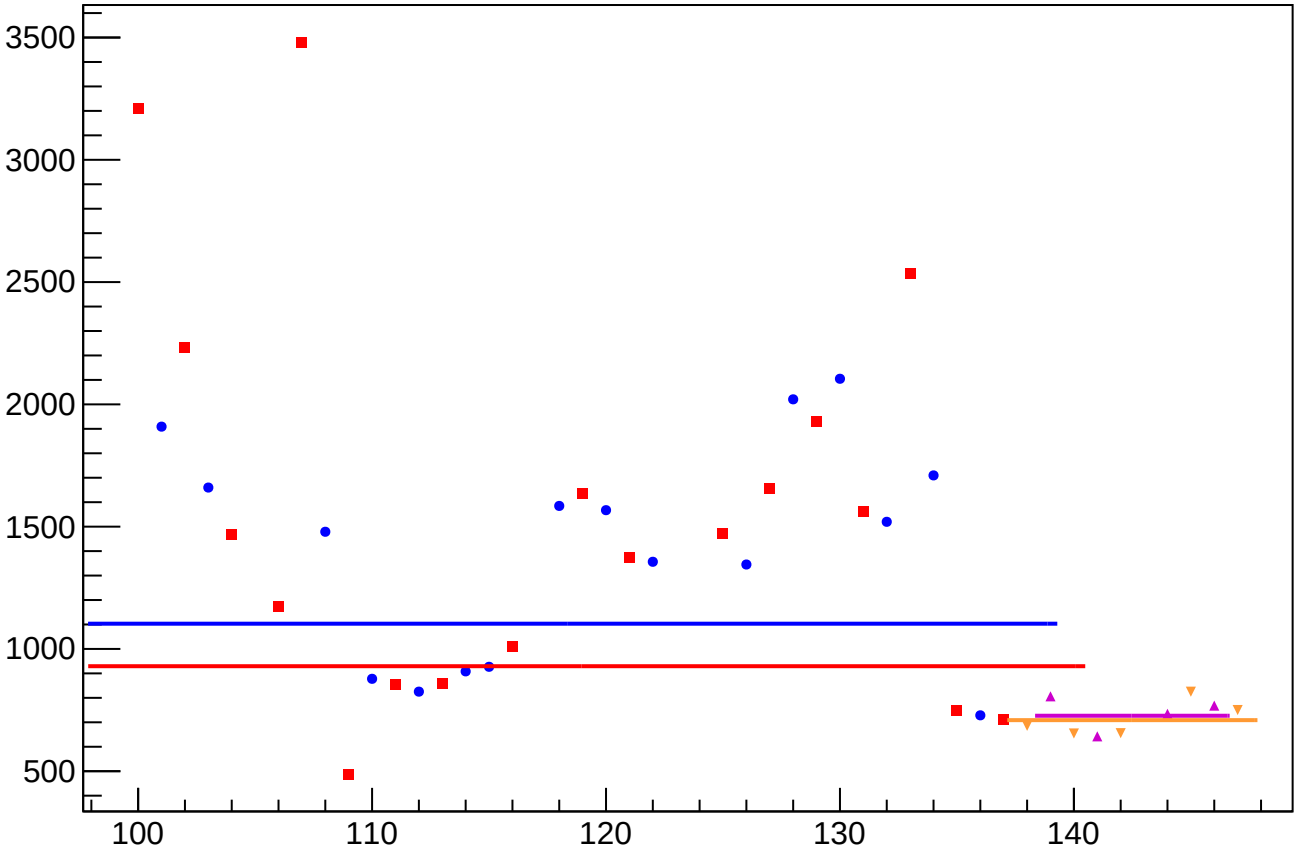
Left In: -284.392+/-389.564 χ^2/NDF:2.9/3

+ sign -384.410+/-284.335 χ^2/NDF: 44.0/20

All: -493.270+/-198.344 χ^2/NDF: 60.0/42

- sign -596.449+/-276.817 χ^2/NDF: 15.7/21

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 708.805+/-0.263 χ^2/NDF:56297.7/4

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

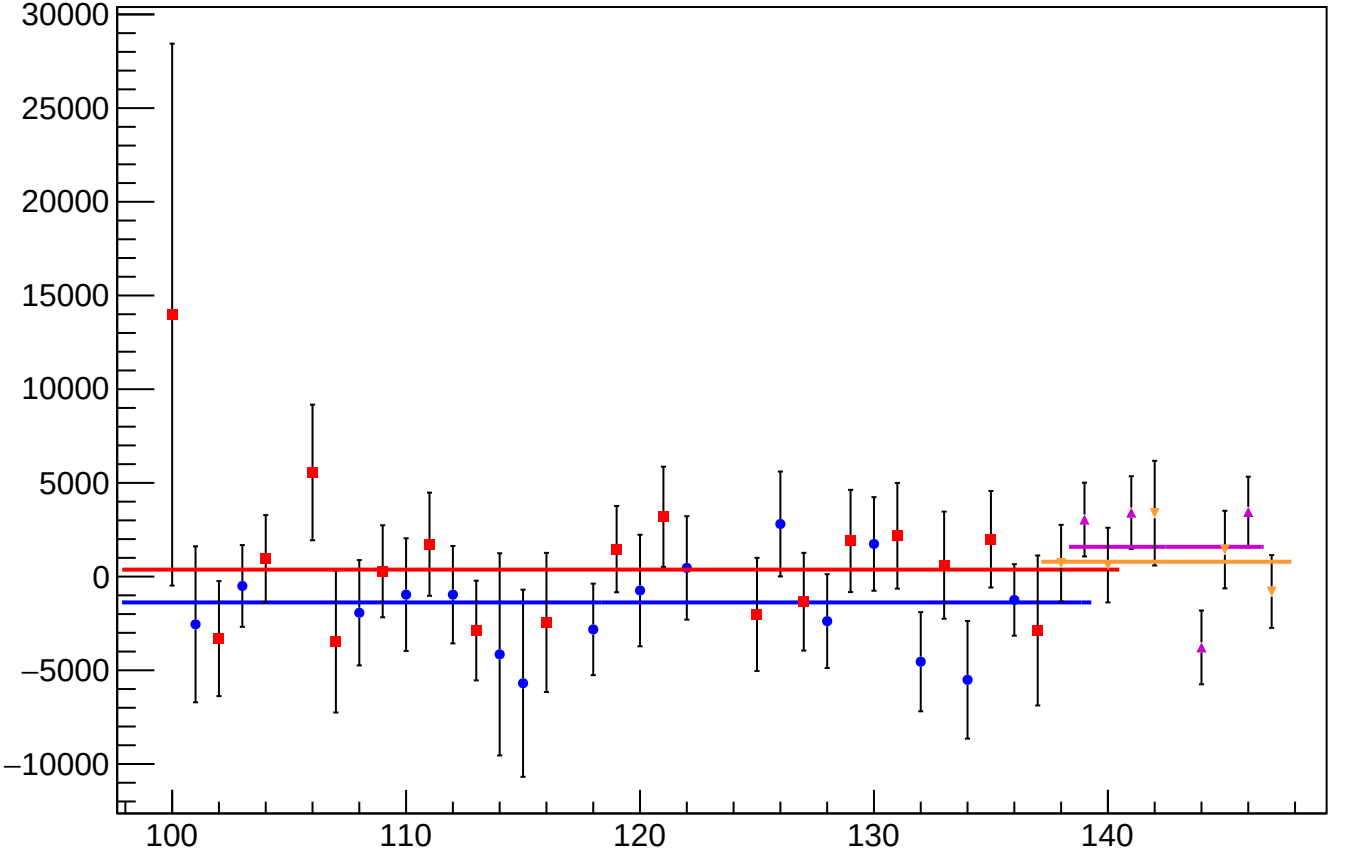
Left In: 726.814+/-0.275 χ^2/NDF:51869.5/3

+ sign 871.909+/-0.201 χ^2/NDF: 2867646.0/20

All: 848.898+/-0.140 χ^2/NDF: 6266776.5/42

- sign 827.088+/-0.196 χ^2/NDF: 3373616.0/21

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.517+/-946.056 χ^2/NDF:1.6/4

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

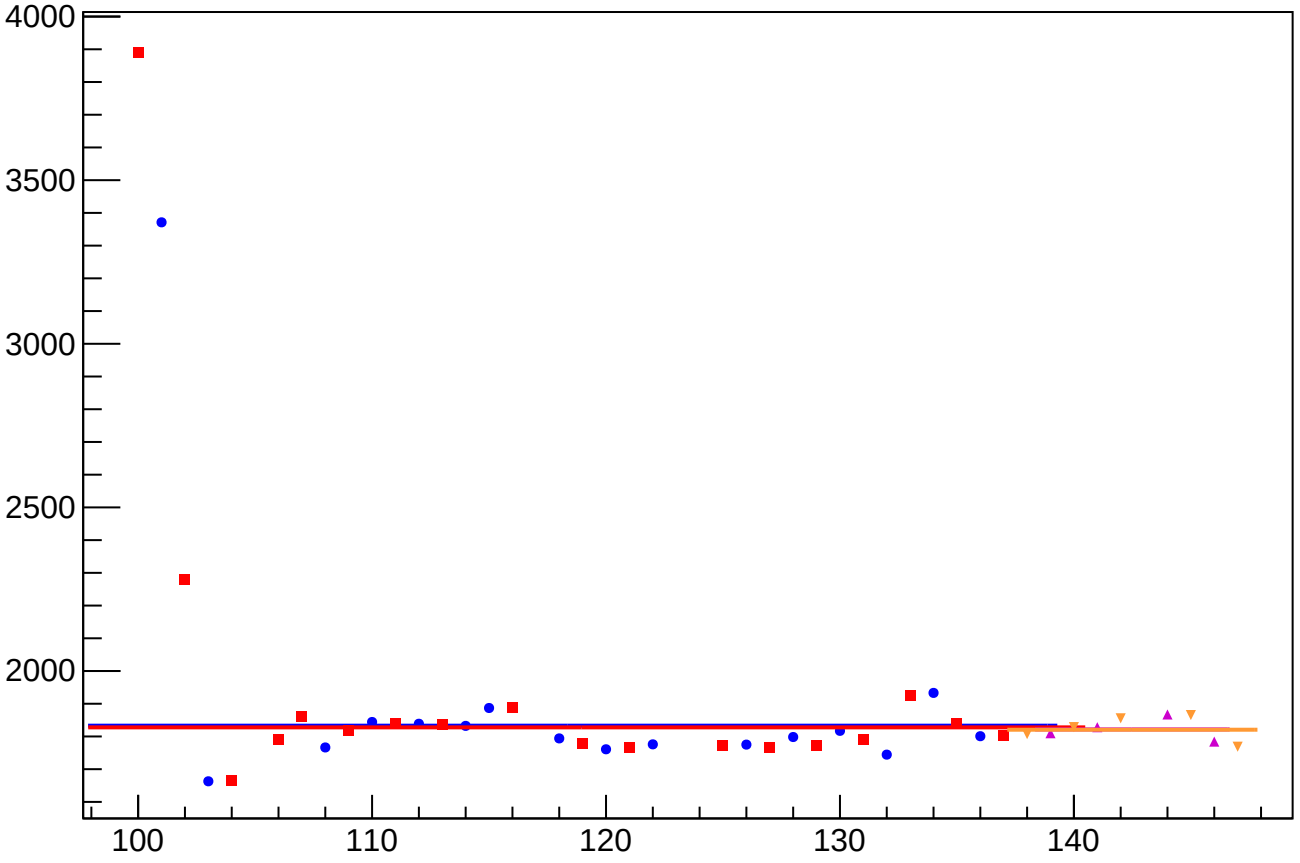
Left In: 1589.293+/-969.087 χ^2/NDF:9.9/3

+ sign -625.794+/-556.966 χ^2/NDF: 14.4/20

All: 73.218+/-394.568 χ^2/NDF: 40.4/42

- sign 777.457+/-559.045 χ^2/NDF: 22.9/21

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

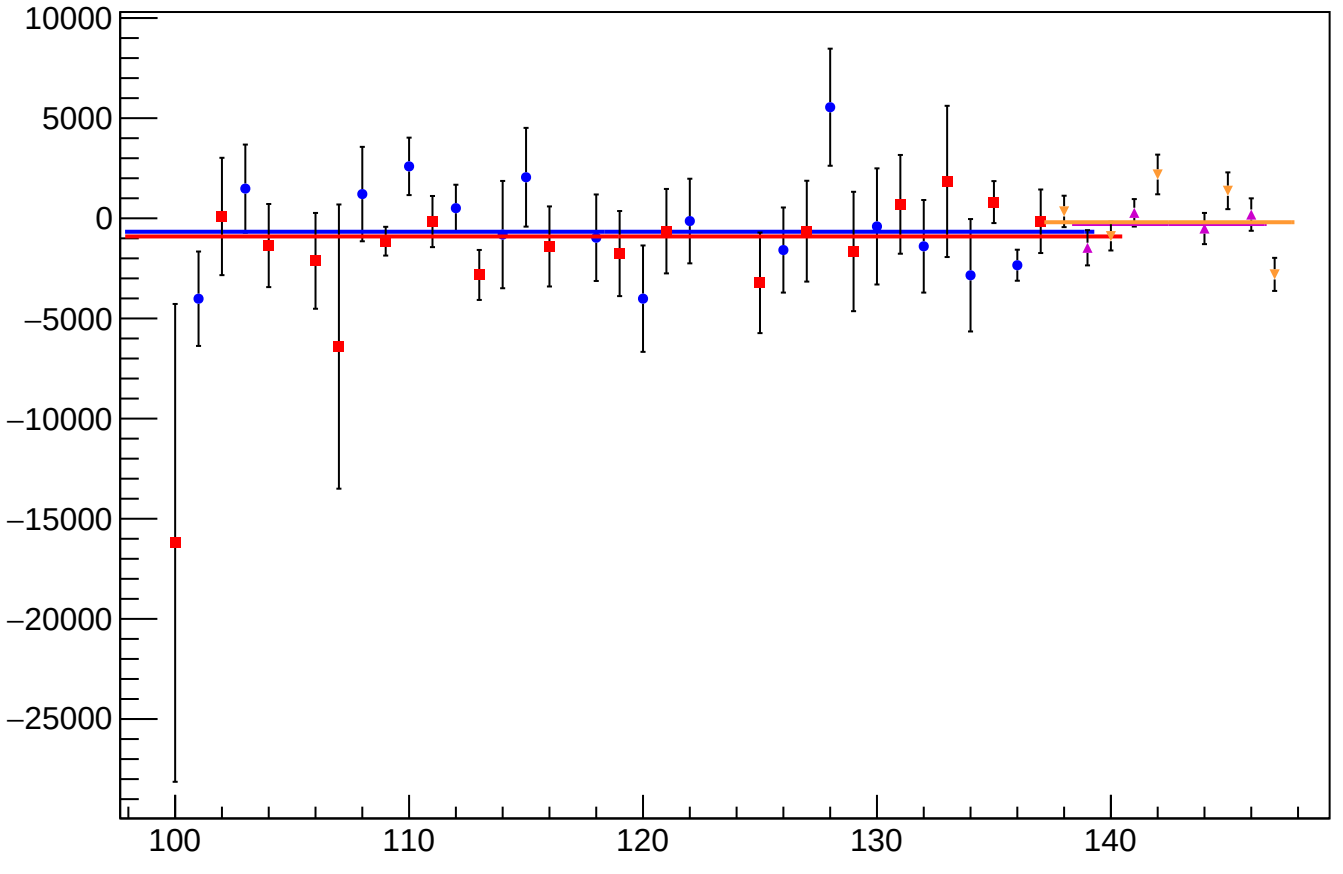
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1828.665+/-0.394 χ^2/NDF: 298457.7/20

All: 1827.192+/-0.279 χ^2/NDF: 402769.5/42

- sign 1825.709+/-0.395 χ^2/NDF: 104283.8/21



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -195.750+/-371.303 χ^2/NDF:20.1/4

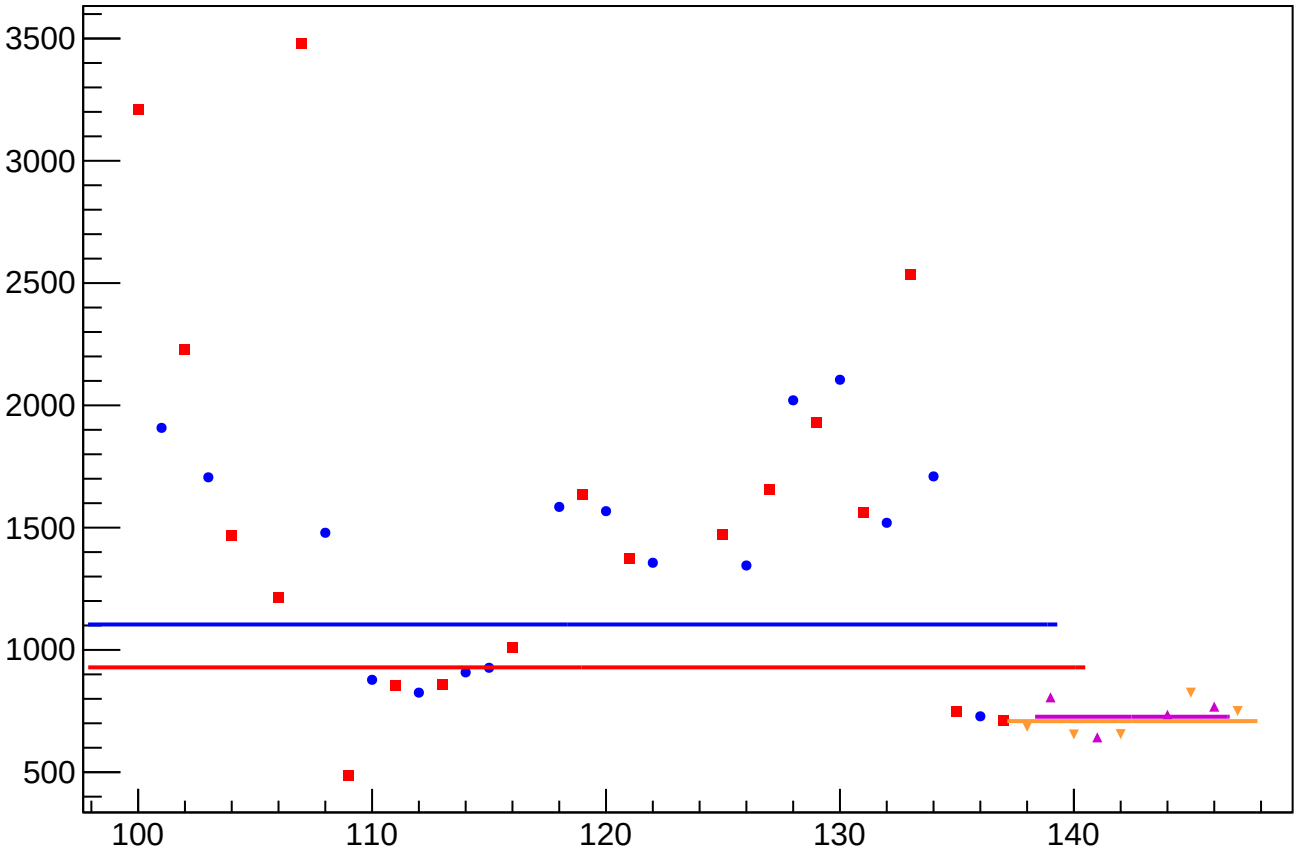
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -284.346+/-389.562 χ^2/NDF:2.9/3

+ sign -391.920+/-284.436 χ^2/NDF: 43.5/20

All: -493.962+/-198.556 χ^2/NDF: 58.5/42

- sign -590.948+/-277.300 χ^2/NDF: 14.7/21



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

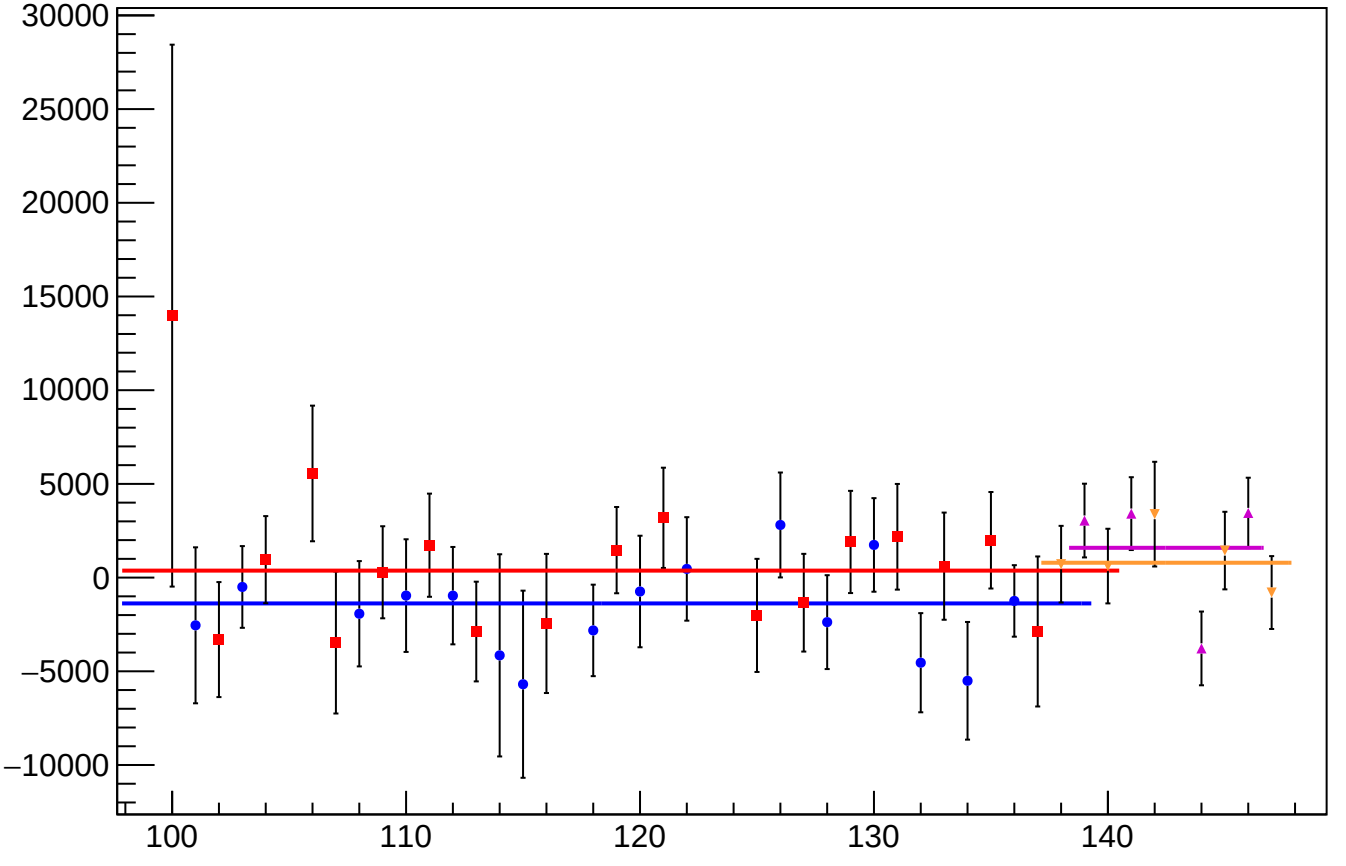
Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

+ sign 872.137+/-0.201 χ^2/NDF: 2887326.1/20

All: 848.671+/-0.140 χ^2/NDF: 6284944.9/42

- sign 826.368+/-0.196 χ^2/NDF: 3371068.8/21

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.517+/-946.056 χ^2/NDF:1.6/4

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

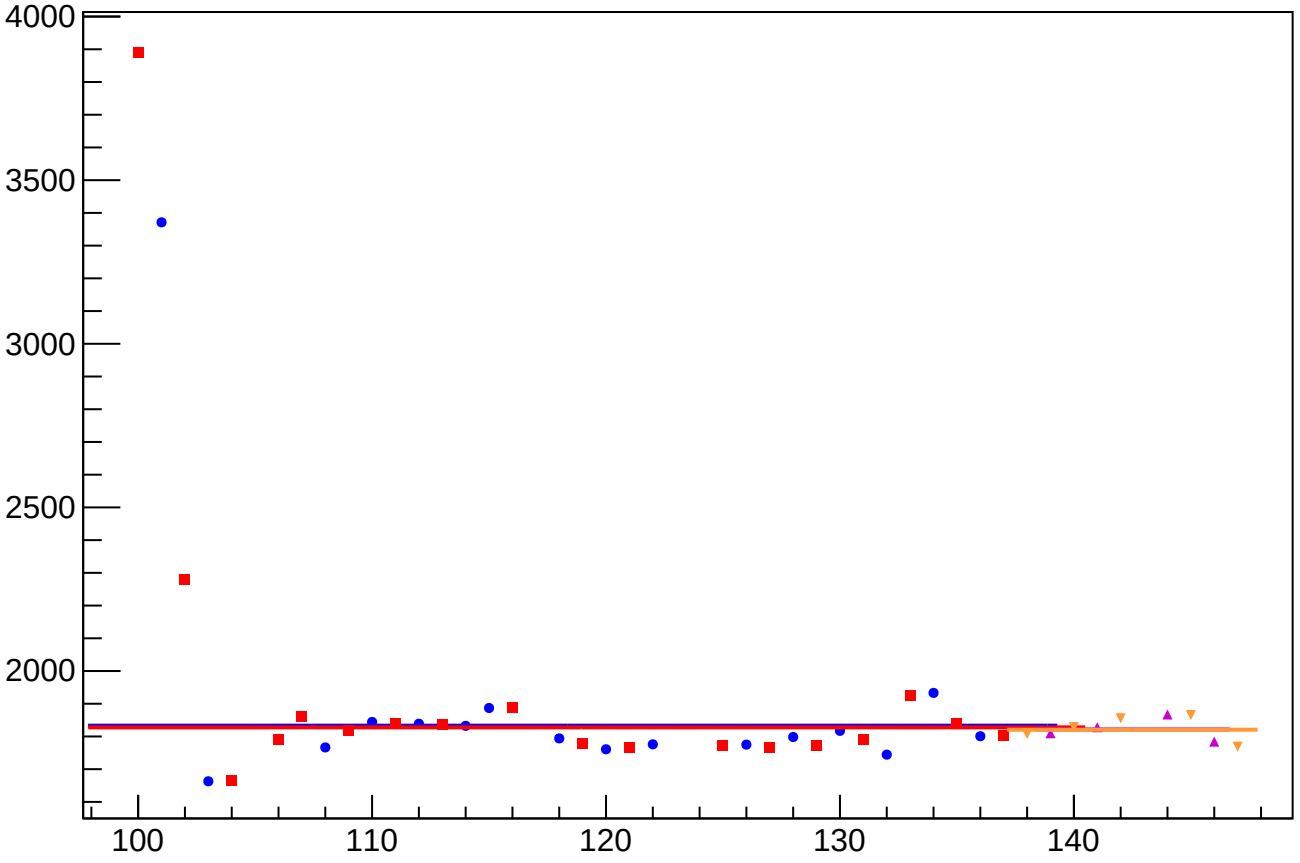
Left In: 1589.293+/-969.087 χ^2/NDF:9.9/3

+ sign -625.794+/-556.966 χ^2/NDF: 14.4/20

All: 73.218+/-394.568 χ^2/NDF: 40.4/42

- sign 777.457+/-559.045 χ^2/NDF: 22.9/21

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: 1820.592+/-0.669 χ^2/NDF:2793.6/4

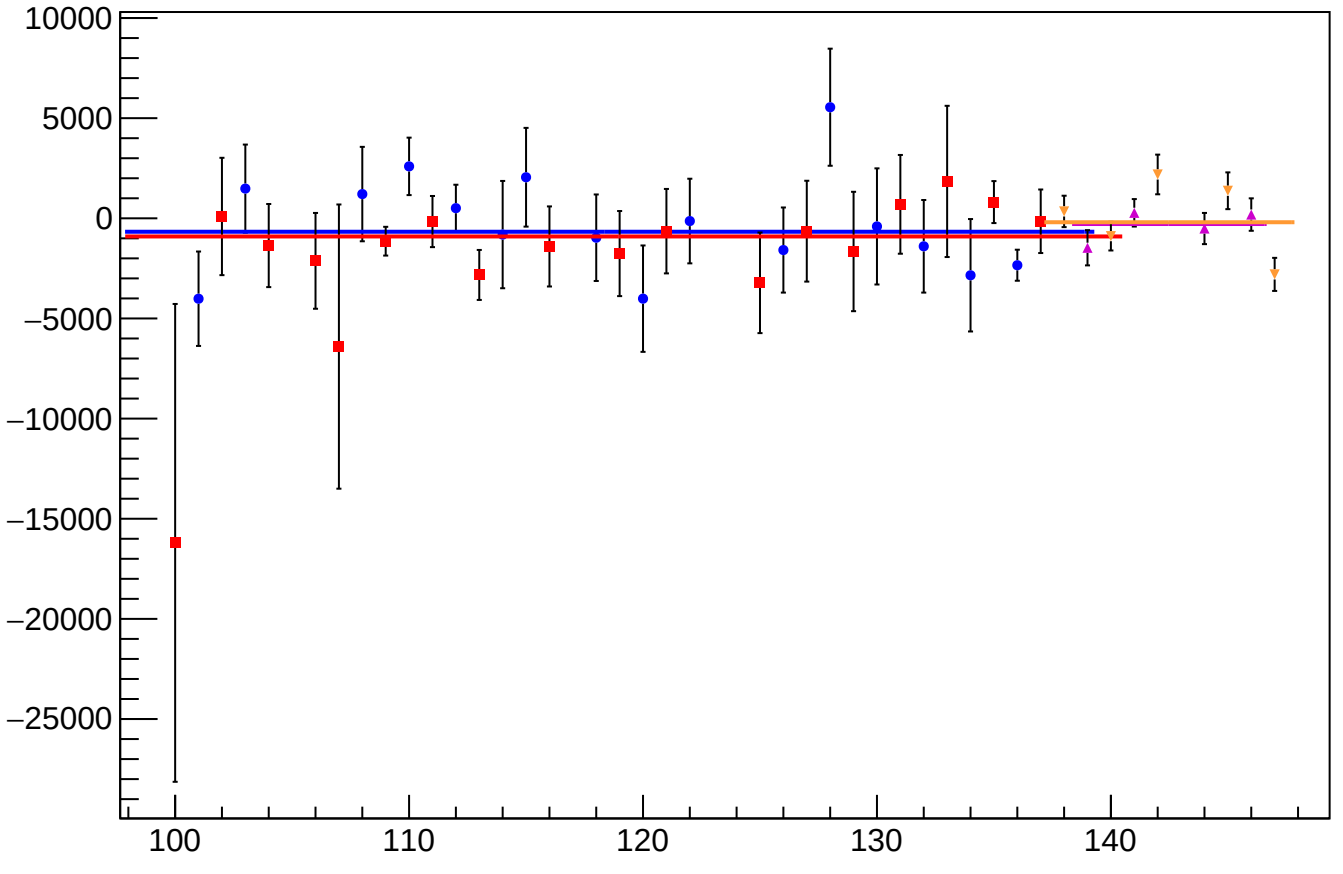
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1828.665+/-0.394 χ^2/NDF: 298457.7/20

All: 1827.192+/-0.279 χ^2/NDF: 402769.5/42

- sign 1825.709+/-0.395 χ^2/NDF: 104283.8/21



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -195.750+/-371.303 χ^2/NDF:20.1/4

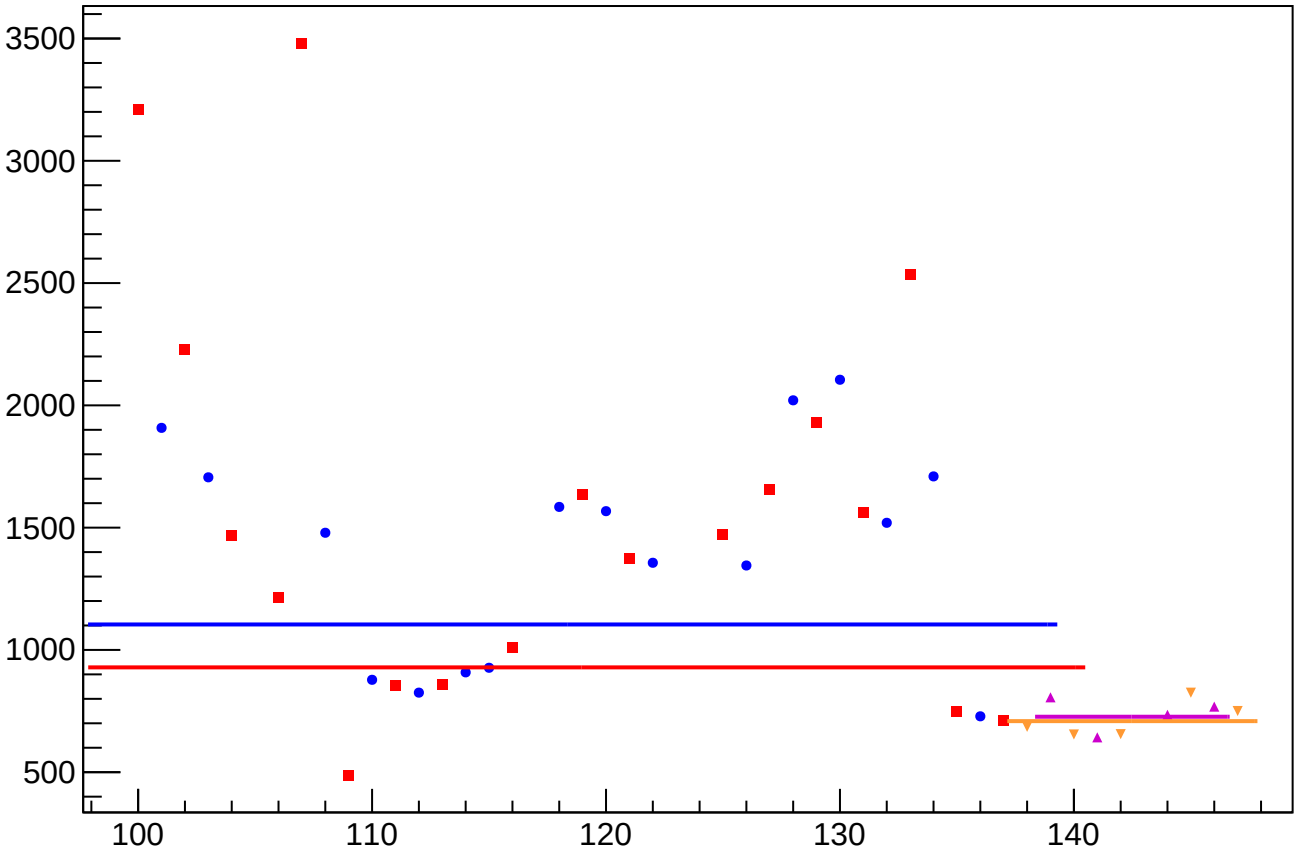
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -284.346+/-389.562 χ^2/NDF:2.9/3

+ sign -391.920+/-284.436 χ^2/NDF: 43.5/20

All: -493.962+/-198.556 χ^2/NDF: 58.5/42

- sign -590.948+/-277.300 χ^2/NDF: 14.7/21



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

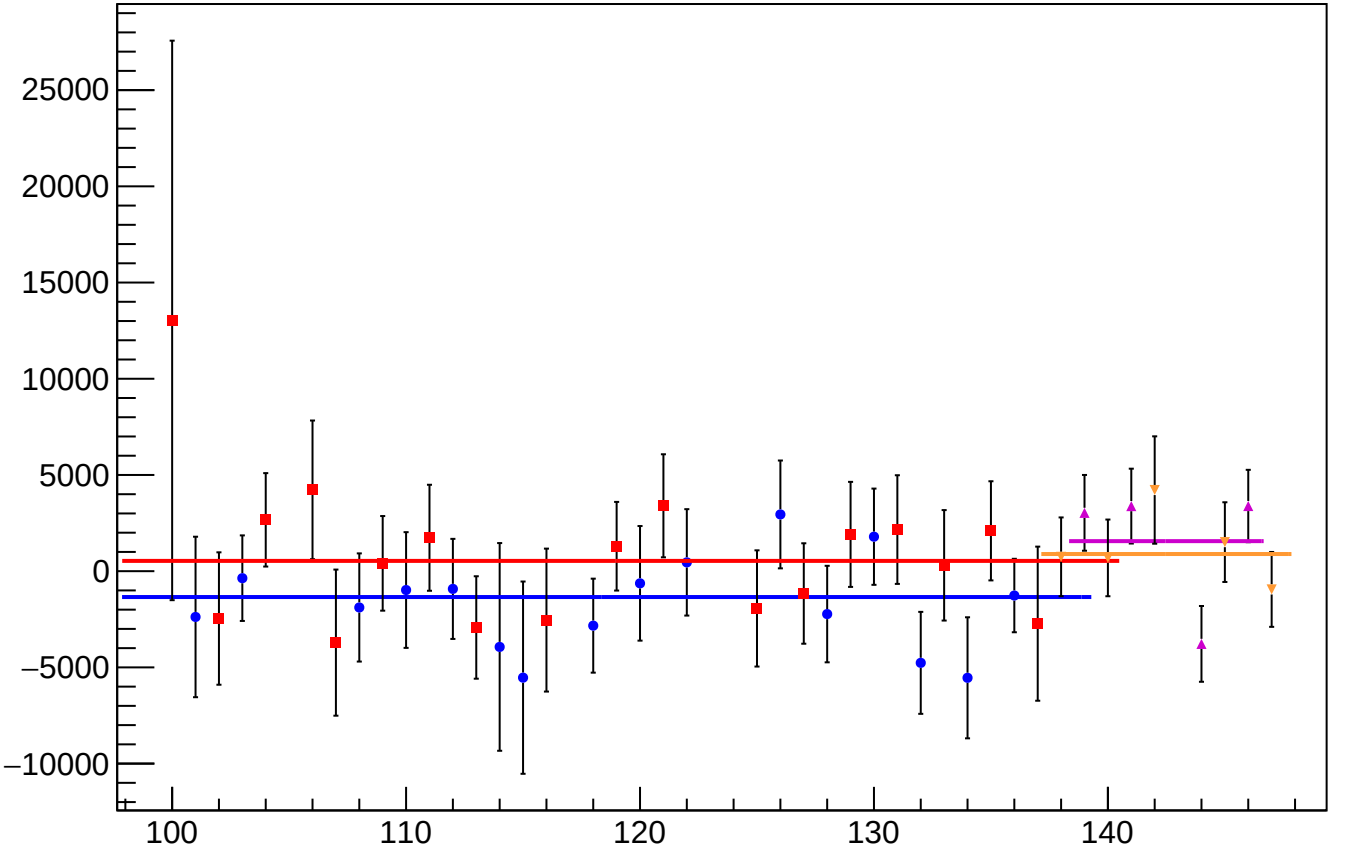
Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

+ sign 872.137+/-0.201 χ^2/NDF: 2887326.1/20

All: 848.671+/-0.140 χ^2/NDF: 6284944.9/42

- sign 826.368+/-0.196 χ^2/NDF: 3371068.8/21

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 891.410+/-946.529 χ^2/NDF:2.4/4

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

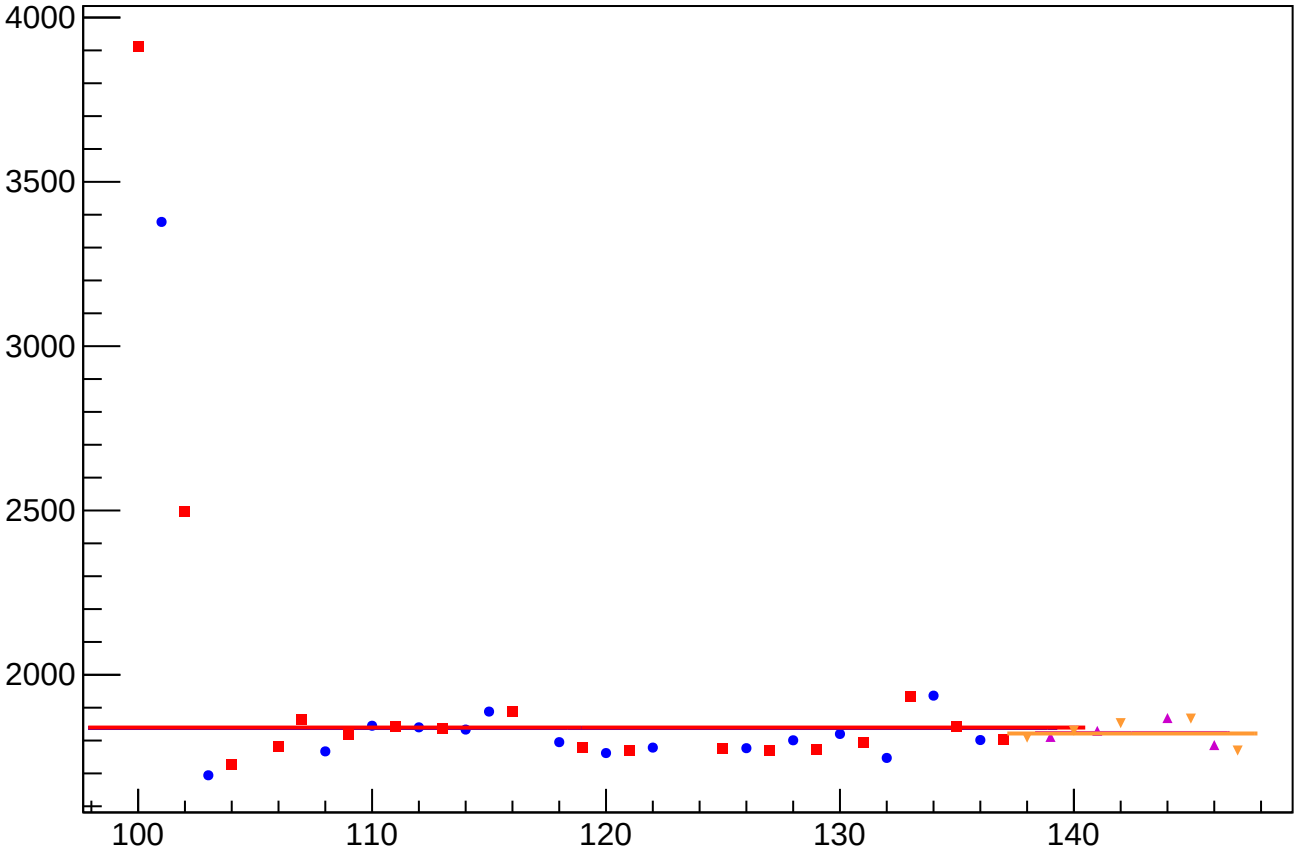
Left In: 1560.918+/-969.872 χ^2/NDF:9.7/3

+ sign -566.884+/-558.071 χ^2/NDF: 15.7/20

All: 150.442+/-396.262 χ^2/NDF: 40.6/42

- sign 879.869+/-562.758 χ^2/NDF: 21.6/21

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1821.467+/-0.669 χ^2/NDF:2742.8/4

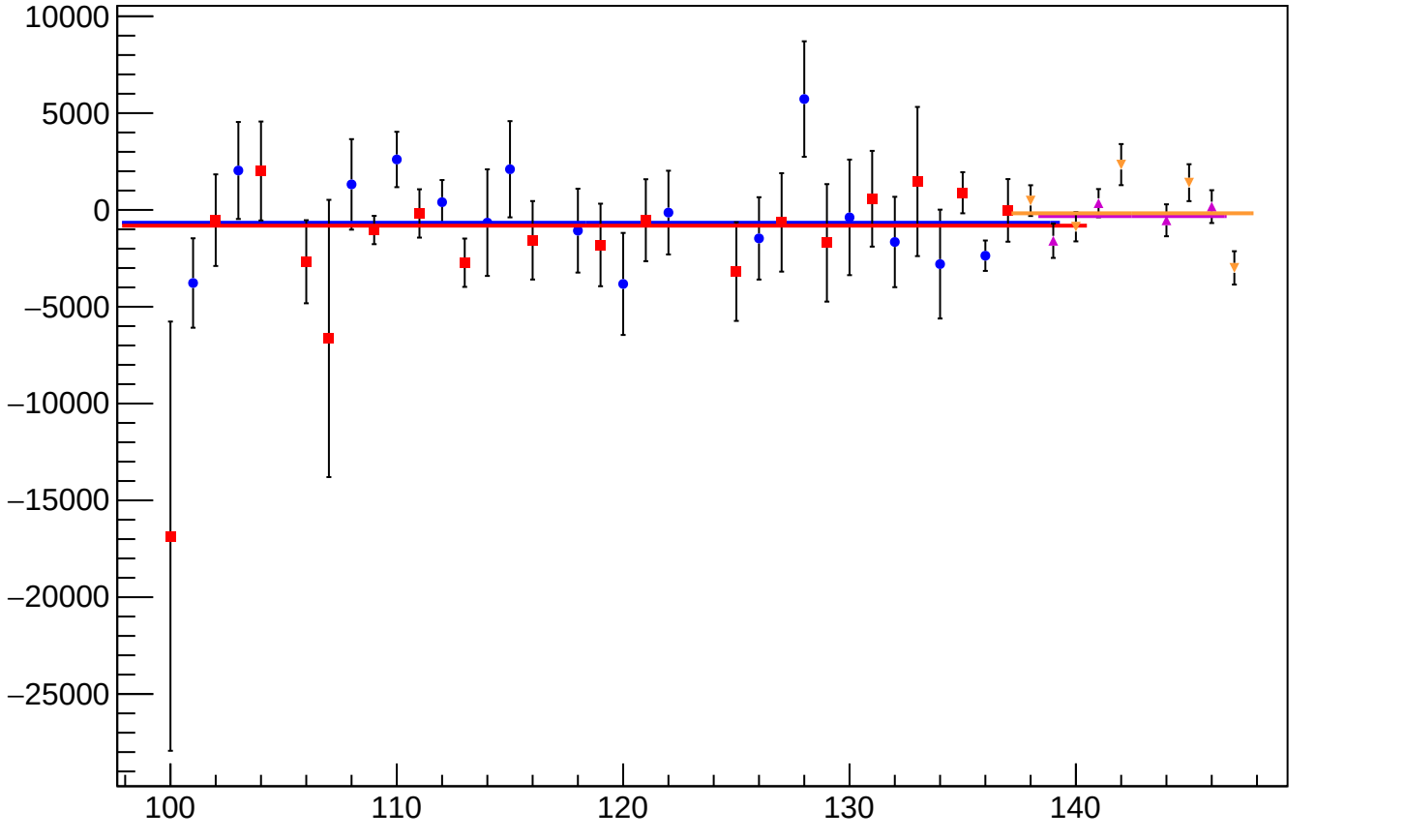
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

+ sign 1832.357+/-0.395 χ^2/NDF: 295132.6/20

All: 1833.154+/-0.280 χ^2/NDF: 425702.6/42

- sign 1833.964+/-0.398 χ^2/NDF: 130561.8/21



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -173.492+/-387.227 χ^2/NDF:20.6/4

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

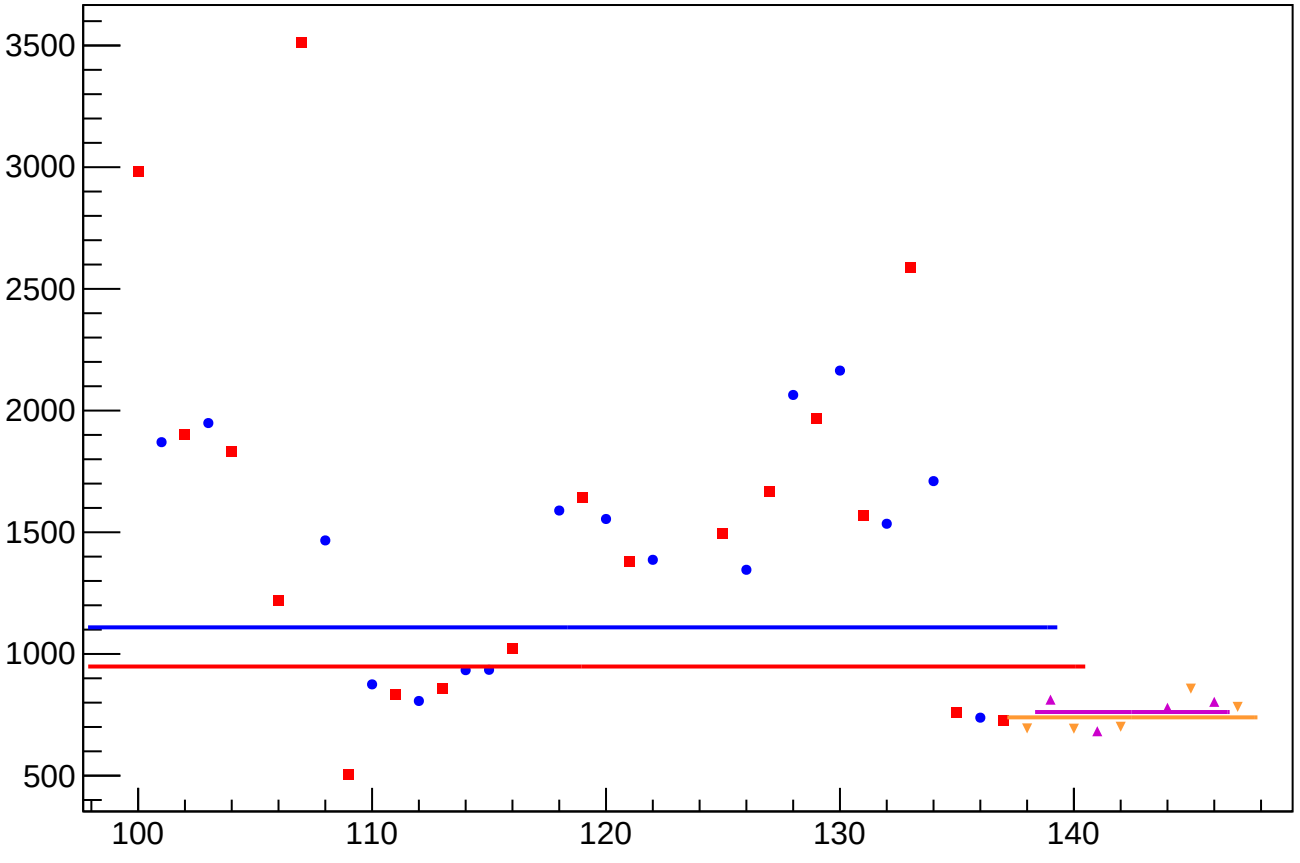
Left In: -317.624+/-407.572 χ^2/NDF:3.3/3

+ sign -384.151+/-292.371 χ^2/NDF: 44.1/20

All: -480.287+/-203.881 χ^2/NDF: 60.6/42

- sign -571.287+/-284.454 χ^2/NDF: 16.3/21

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 739.535+/-0.274 χ^2/NDF:52443.4/4

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

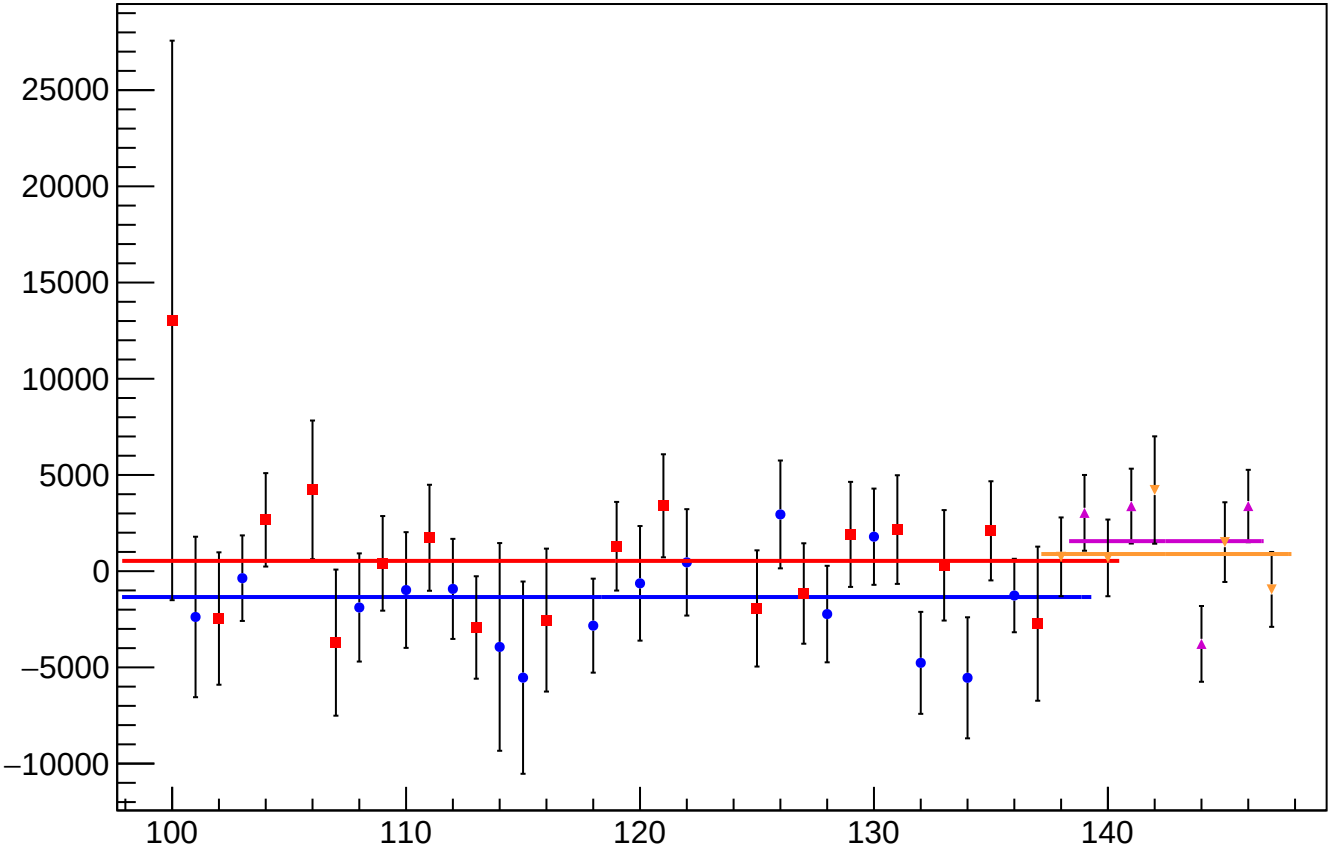
Left In: 761.488+/-0.288 χ^2/NDF:35867.2/3

\+ sign 898.530+/-0.207 χ^2/NDF: 2810106.2/20

All: 877.388+/-0.144 χ^2/NDF: 6135829.3/42

\- sign 857.375+/-0.201 χ^2/NDF: 3305365.0/21

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 891.413+/-946.529 χ^2/NDF:2.4/4

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

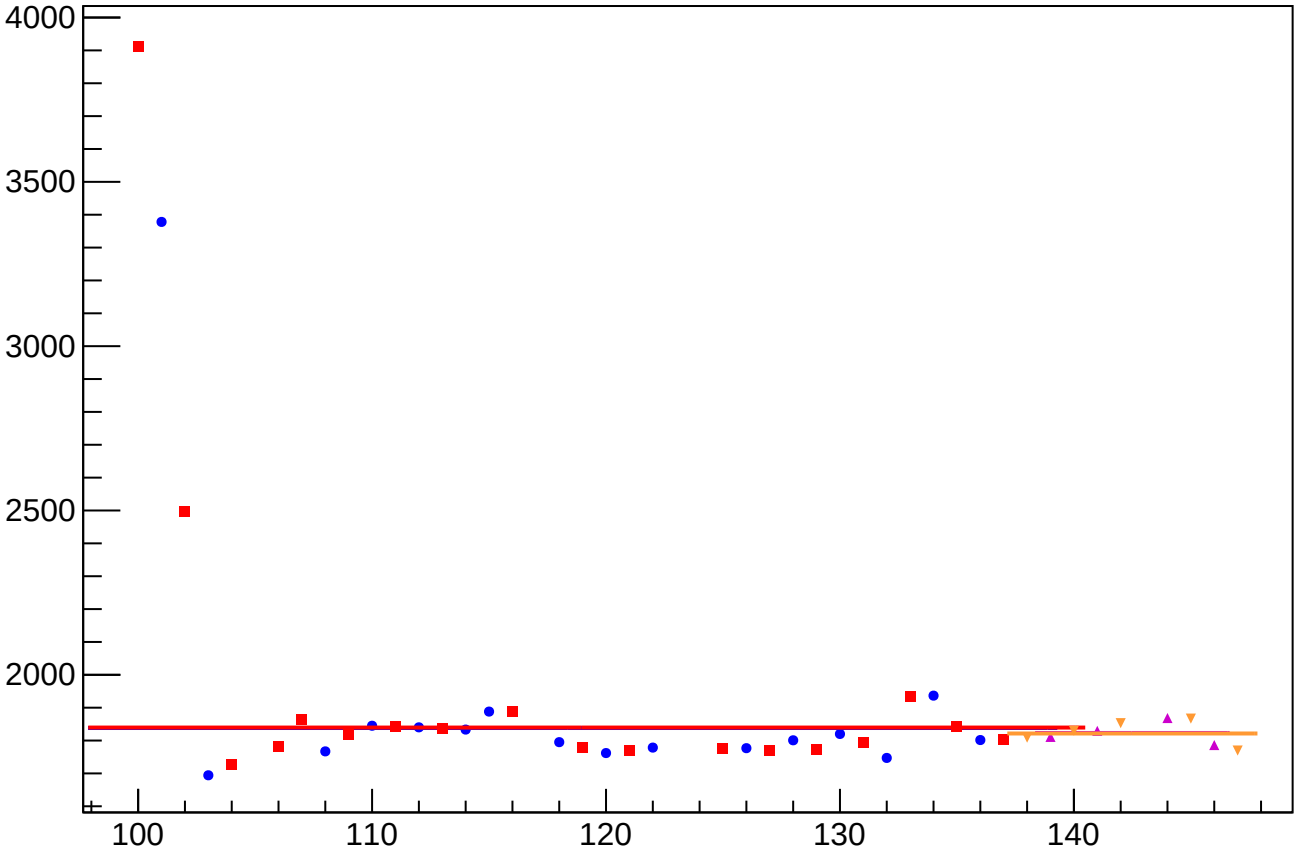
Left In: 1560.910+/-969.872 χ^2/NDF:9.7/3

+ sign -566.885+/-558.071 χ^2/NDF: 15.7/20

All: 150.442+/-396.262 χ^2/NDF: 40.6/42

- sign 879.870+/-562.758 χ^2/NDF: 21.6/21

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: 1821.467+/-0.669 χ^2/NDF:2742.8/4

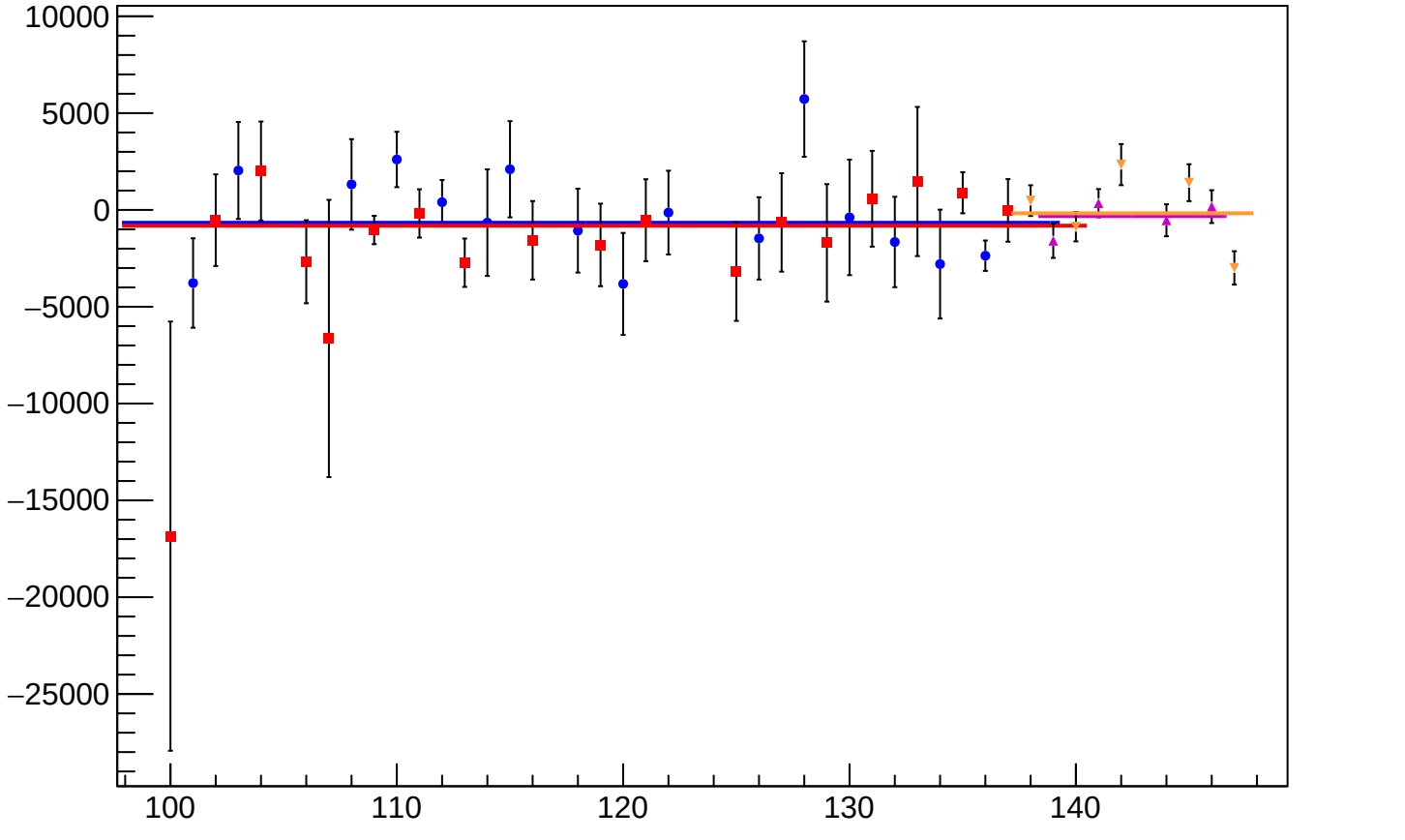
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

+ sign 1832.357+/-0.395 χ^2/NDF: 295132.5/20

All: 1833.154+/-0.280 χ^2/NDF: 425702.6/42

- sign 1833.964+/-0.398 χ^2/NDF: 130561.9/21



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -173.497+/-387.229 χ^2/NDF:20.6/4

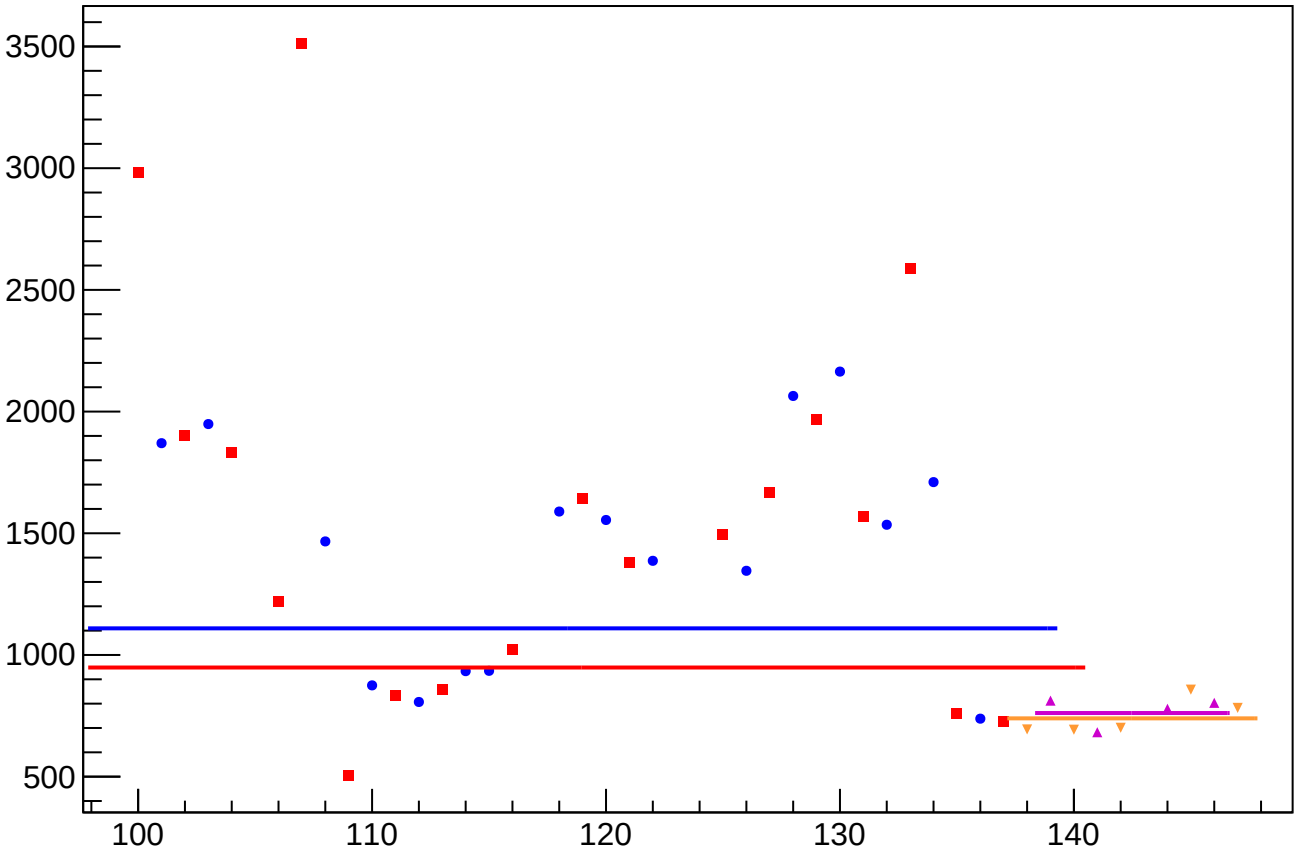
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -317.619+/-407.573 χ^2/NDF:3.3/3

\+ sign -384.149+/-292.372 χ^2/NDF: 44.1/20

All: -480.287+/-203.881 χ^2/NDF: 60.6/42

\- sign -571.288+/-284.455 χ^2/NDF: 16.3/21



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 739.540+/-0.274 χ^2/NDF:52436.8/4

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

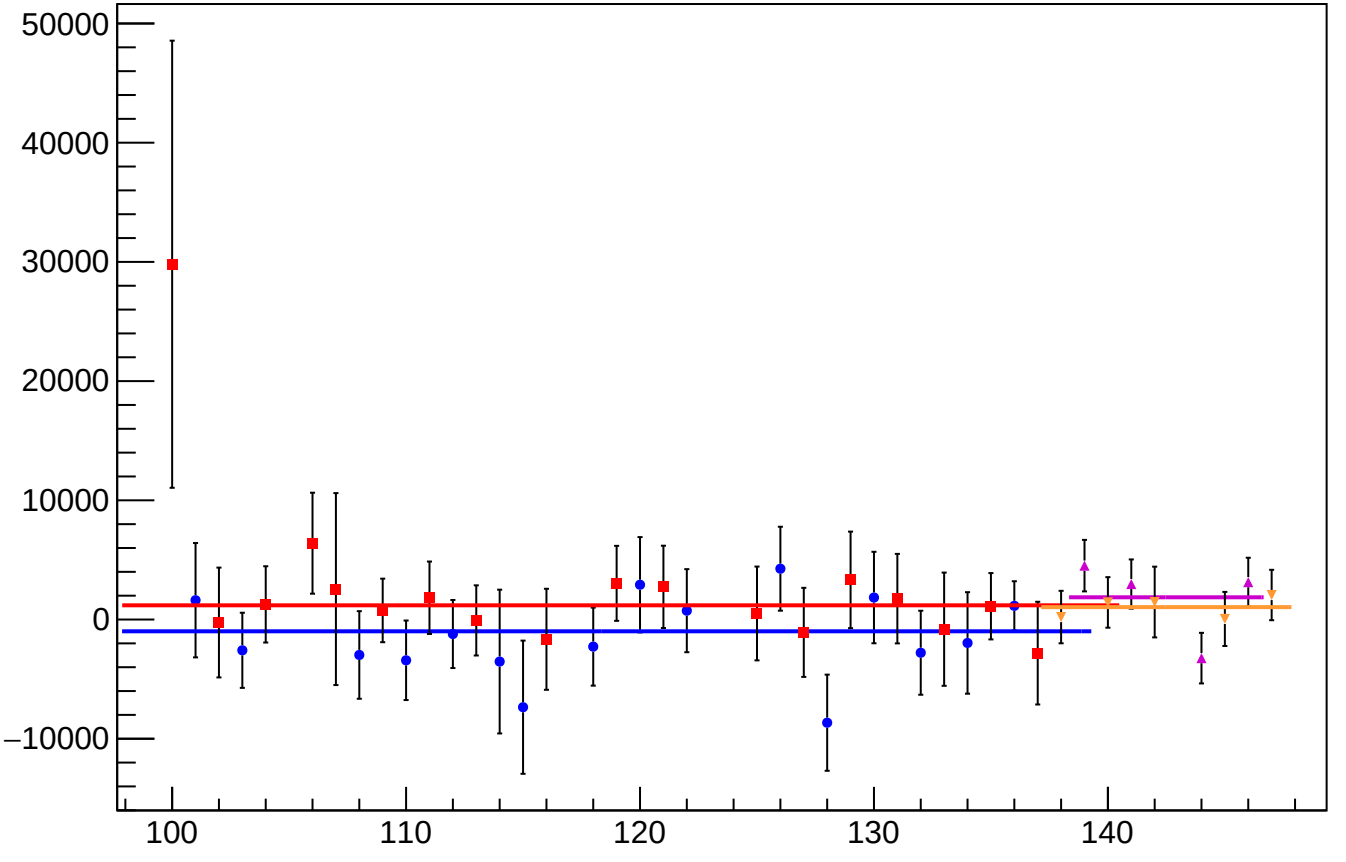
Left In: 761.490+/-0.288 χ^2/NDF:35868.0/3

+ sign 898.536+/-0.207 χ^2/NDF: 2810046.0/20

All: 877.392+/-0.144 χ^2/NDF: 6135746.9/42

- sign 857.378+/-0.201 χ^2/NDF: 3305340.2/21

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1039.254+/-1020.238 χ^2/NDF:0.6/4

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

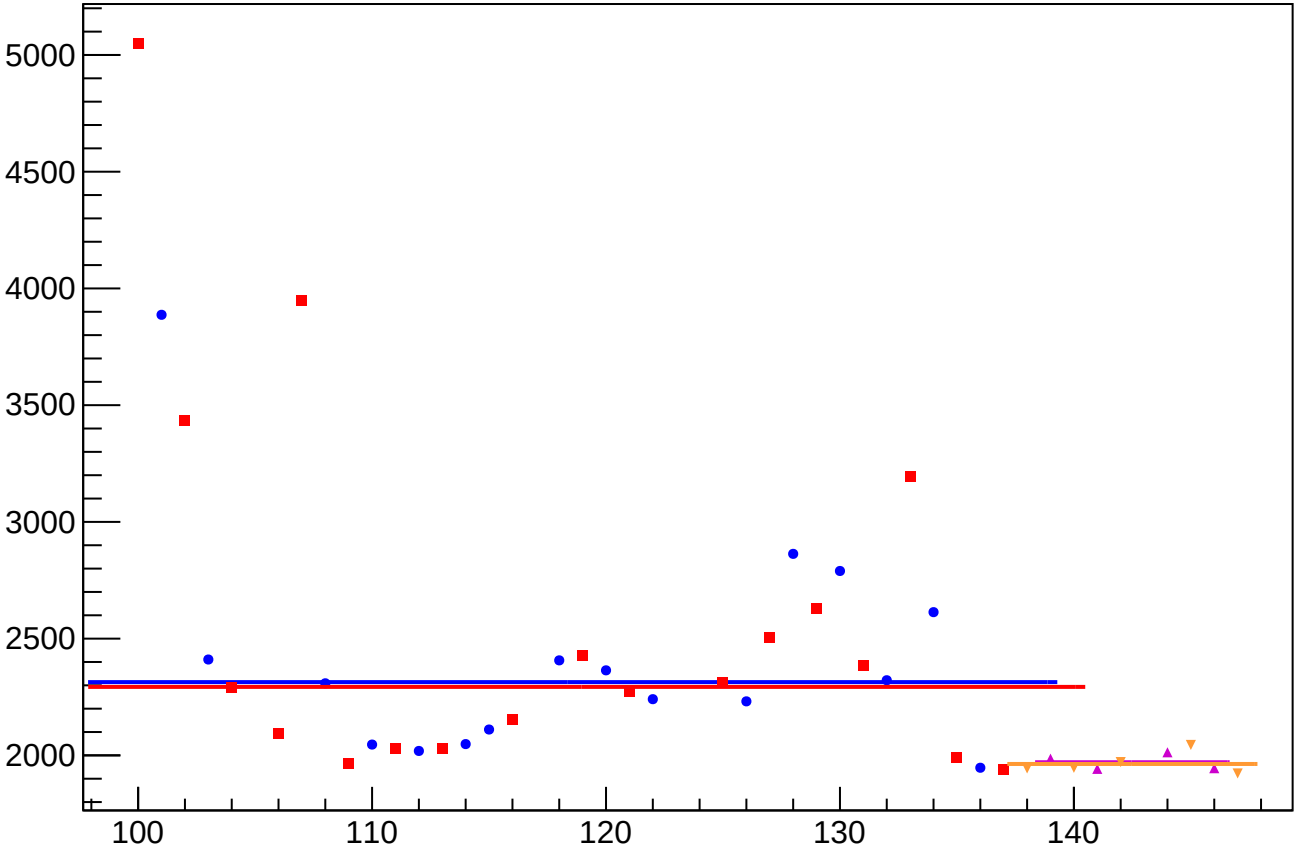
Left In: 1865.263+/-1048.459 χ^2/NDF:8.0/3

+ sign -129.864+/-663.677 χ^2/NDF: 14.9/20

All: 661.240+/-471.411 χ^2/NDF: 32.9/42

- sign 1466.804+/-669.715 χ^2/NDF: 15.2/21

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1963.170+/-0.721 χ^2/NDF:3609.8/4

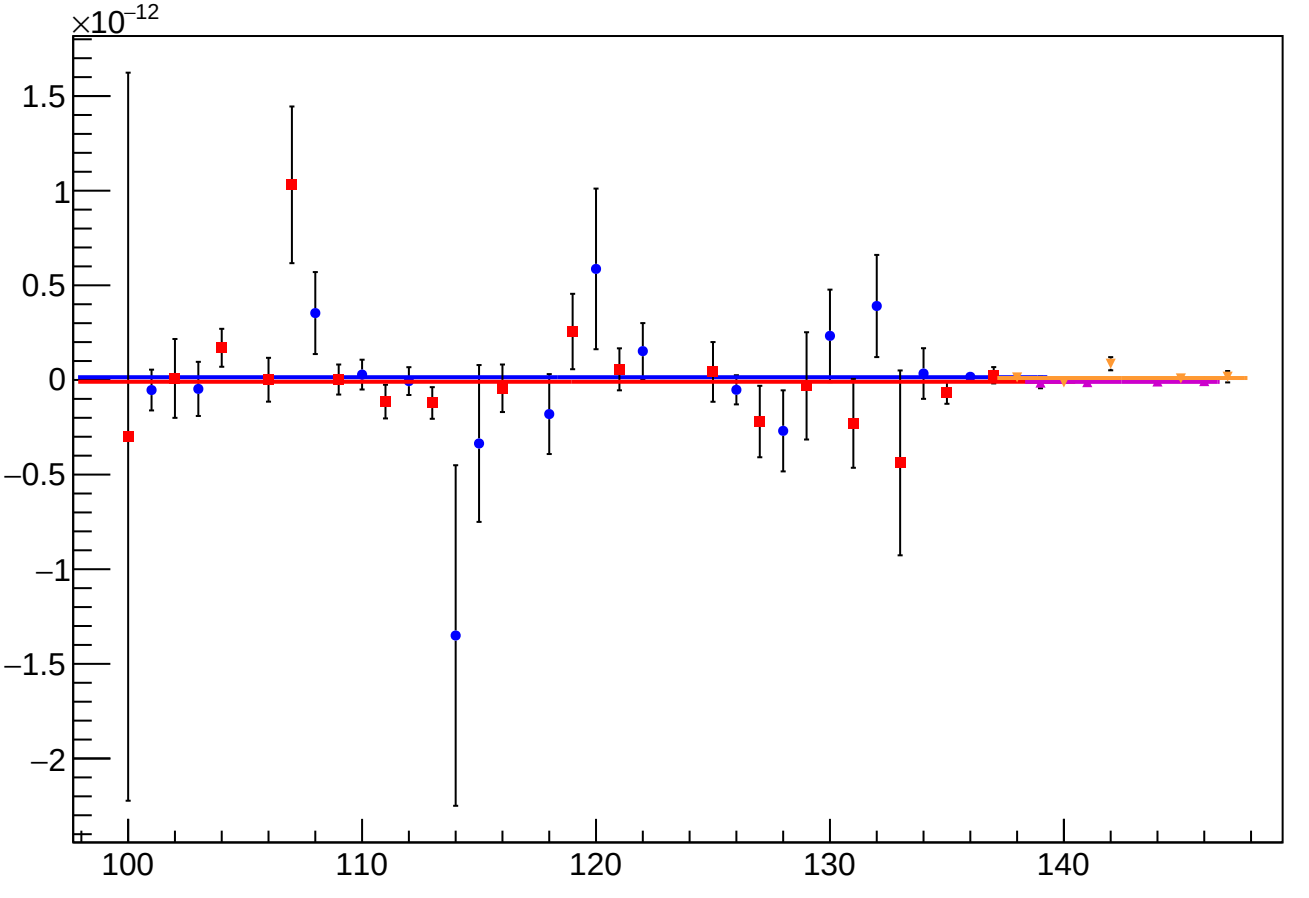
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1970.608+/-0.741 χ^2/NDF:1596.4/3

+ sign 2165.391+/-0.469 χ^2/NDF: 542582.6/20

All: 2163.524+/-0.333 χ^2/NDF: 1109549.0/42

- sign 2161.622+/-0.474 χ^2/NDF: 566934.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/4

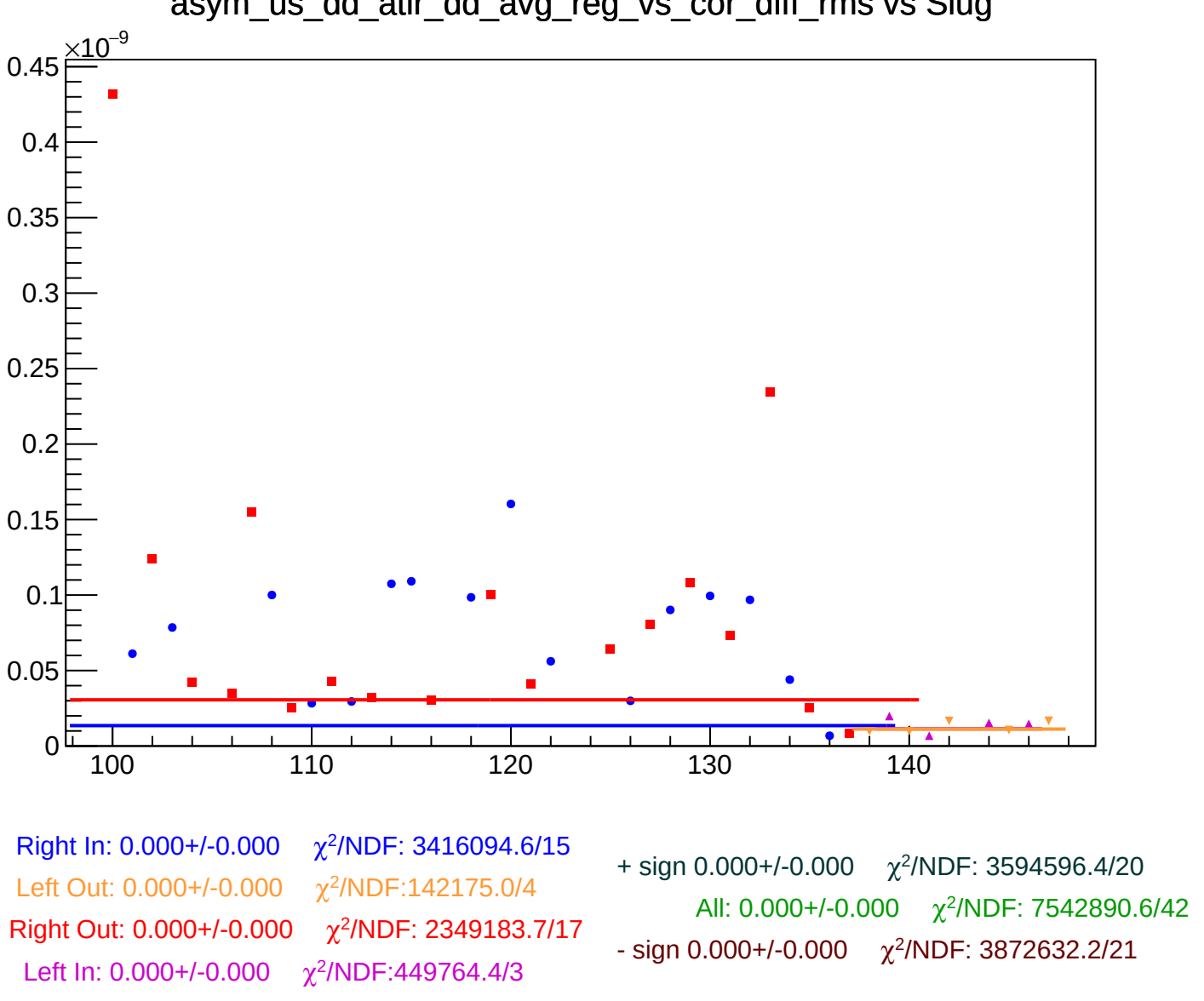
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

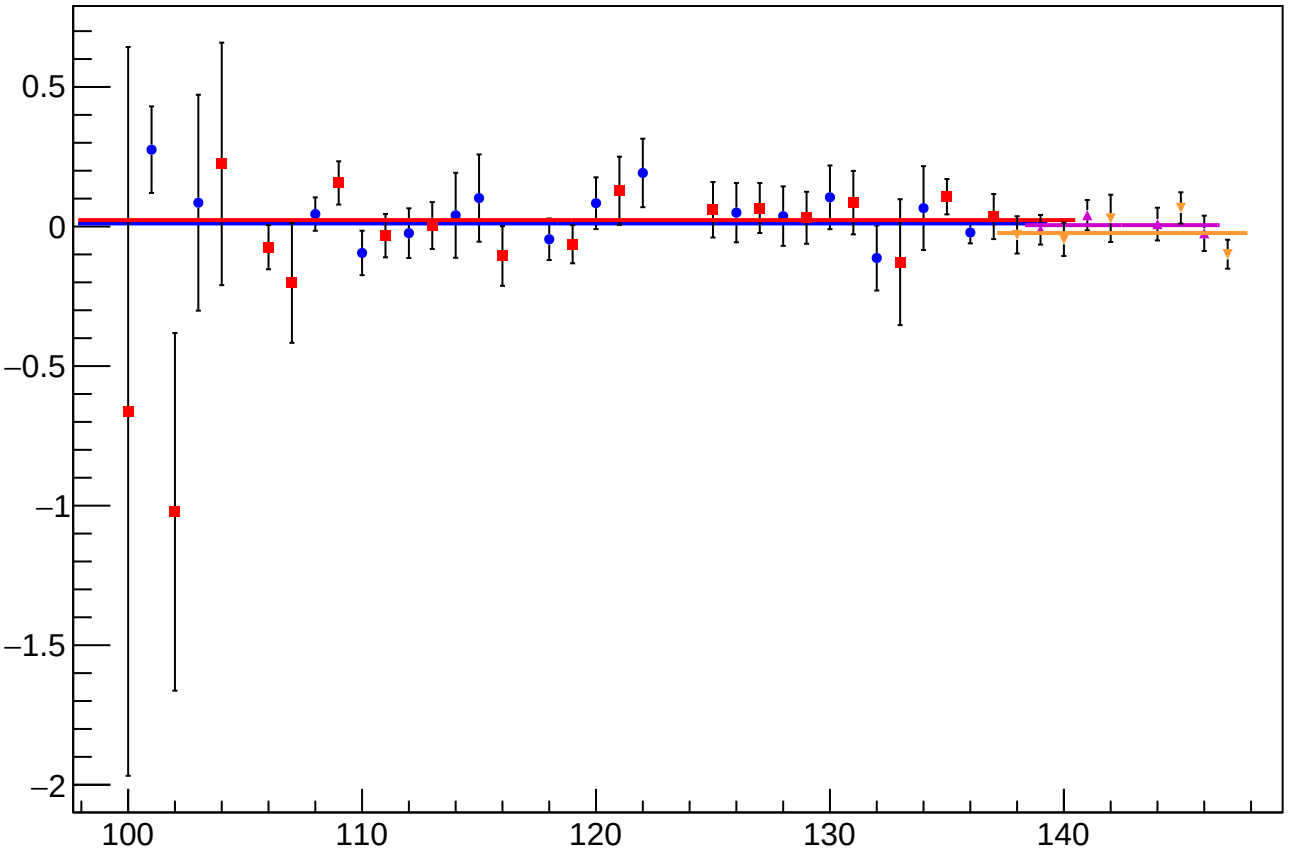
Left In: -0.000+/-0.000 χ^2/NDF:0.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/42

- sign -0.000+/-0.000 χ^2/NDF: 19.6/21


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
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:142175.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:449764.4/3
+ sign 0.000+/-0.000 χ²/NDF: 3594596.4/20
All: 0.000+/-0.000 χ²/NDF: 7542890.6/42
- sign 0.000+/-0.000 χ²/NDF: 3872632.2/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

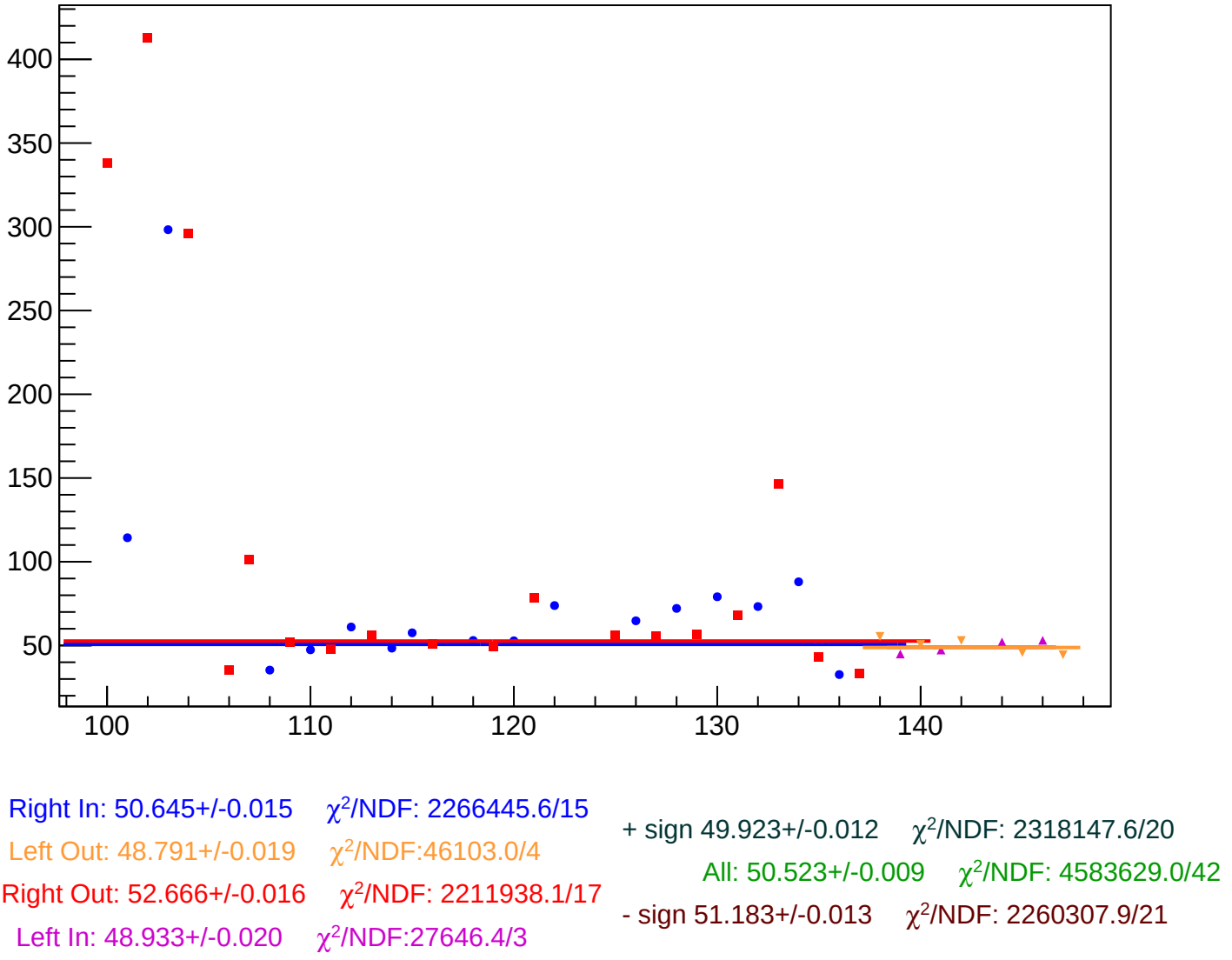
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.006+/-0.012 χ^2/NDF: 35.4/42

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug
400
350
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250
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120
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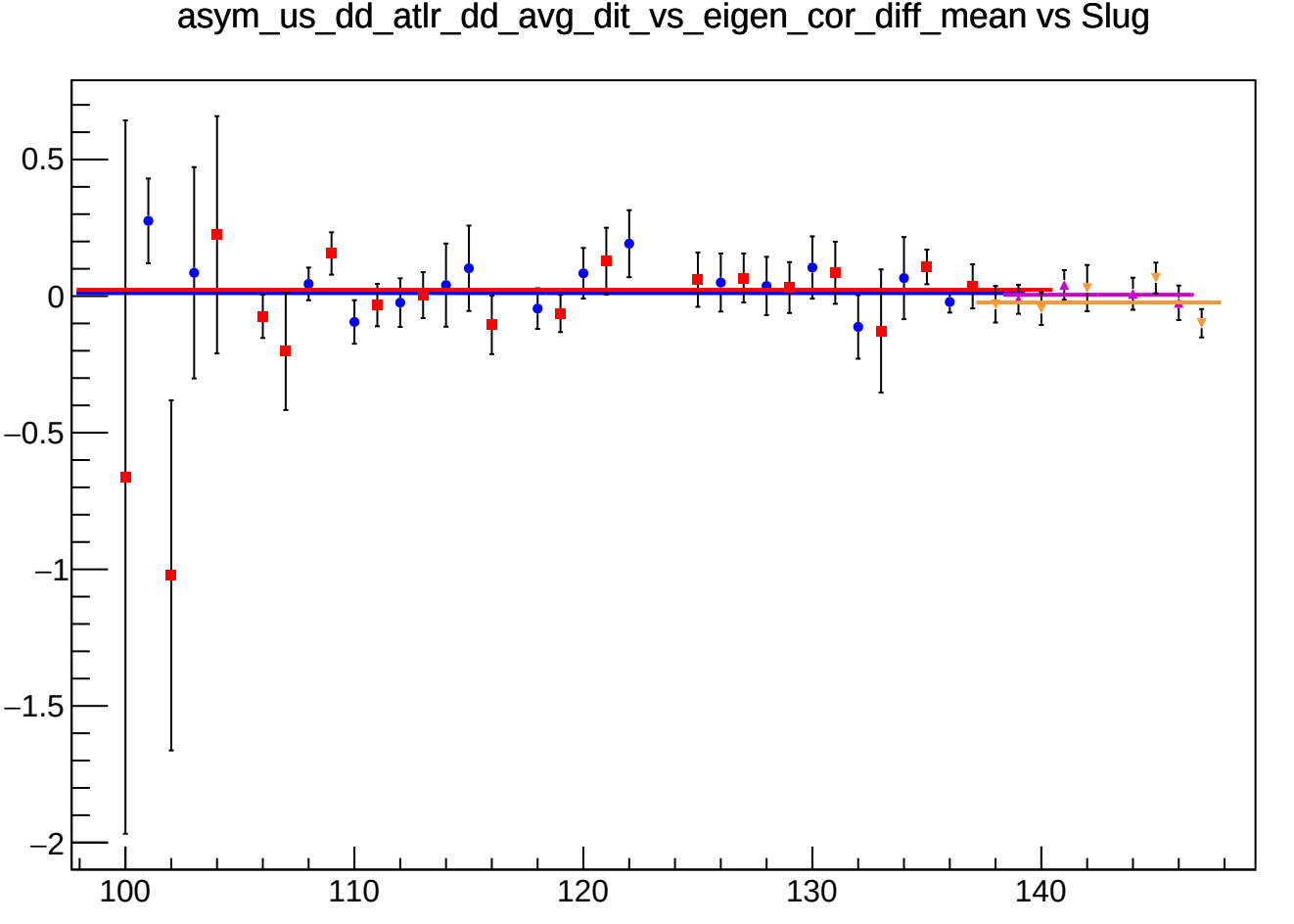
140
Right In: 50.645+/-0.015 χ²/NDF: 2266445.6/15
Left Out: 48.791+/-0.019 χ²/NDF:46103.0/4
Right Out: 52.666+/-0.016 χ²/NDF: 2211938.1/17
Left In: 48.933+/-0.020 χ²/NDF:27646.4/3
+ sign 49.923+/-0.012 χ²/NDF: 2318147.6/20
All: 50.523+/-0.009 χ²/NDF: 4583629.0/42
- sign 51.183+/-0.013 χ²/NDF: 2260307.9/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

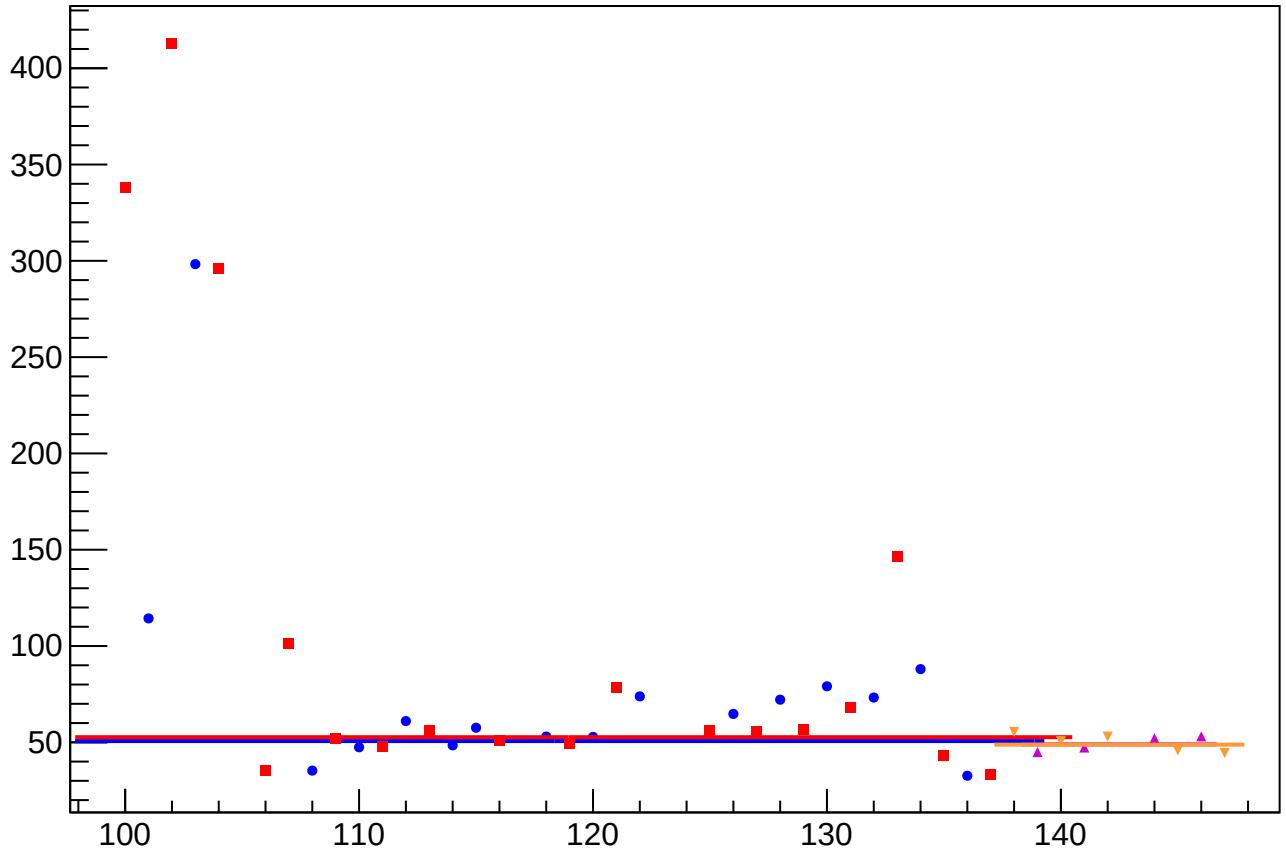
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

\+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.006+/-0.012 χ^2/NDF: 35.4/42

\- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.791+/-0.019 χ^2/NDF:46103.0/4

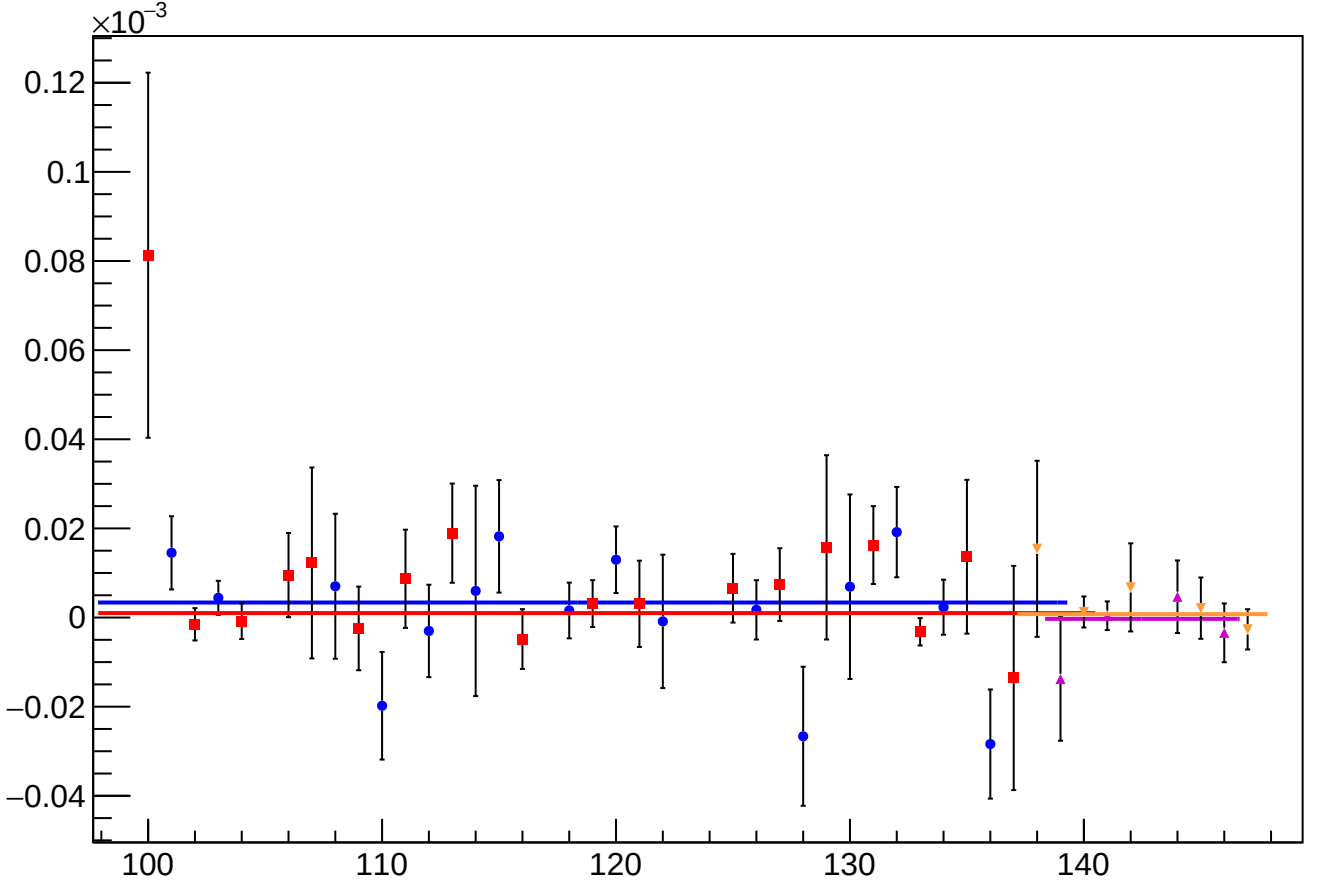
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

\+ sign 49.923+/-0.012 χ^2/NDF: 2318147.6/20

All: 50.523+/-0.009 χ^2/NDF: 4583629.0/42

\- sign 51.183+/-0.013 χ^2/NDF: 2260307.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

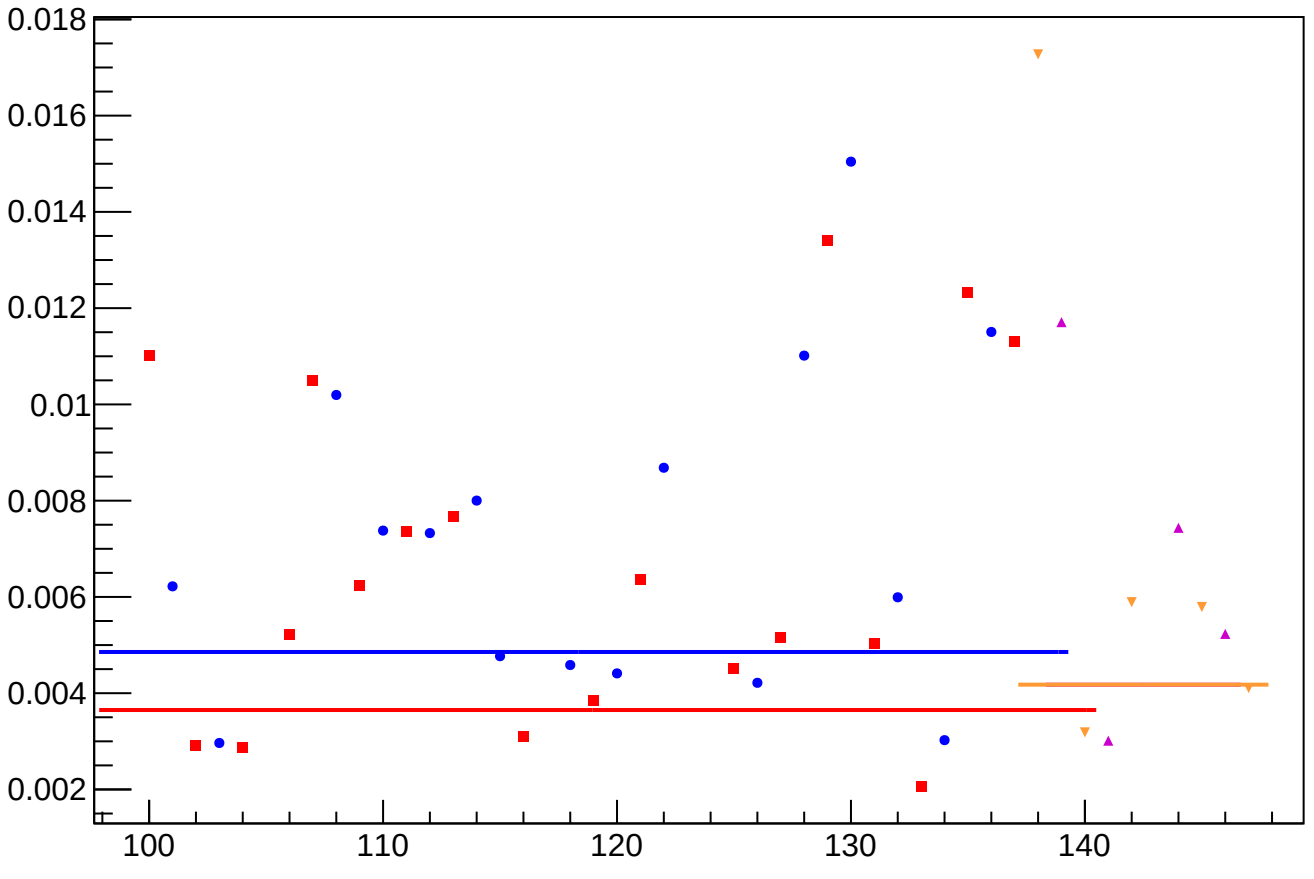
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/20

All: 0.000+/-0.000 χ^2/NDF: 44.0/42

- sign 0.000+/-0.000 χ^2/NDF: 19.0/21



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211815.9/4

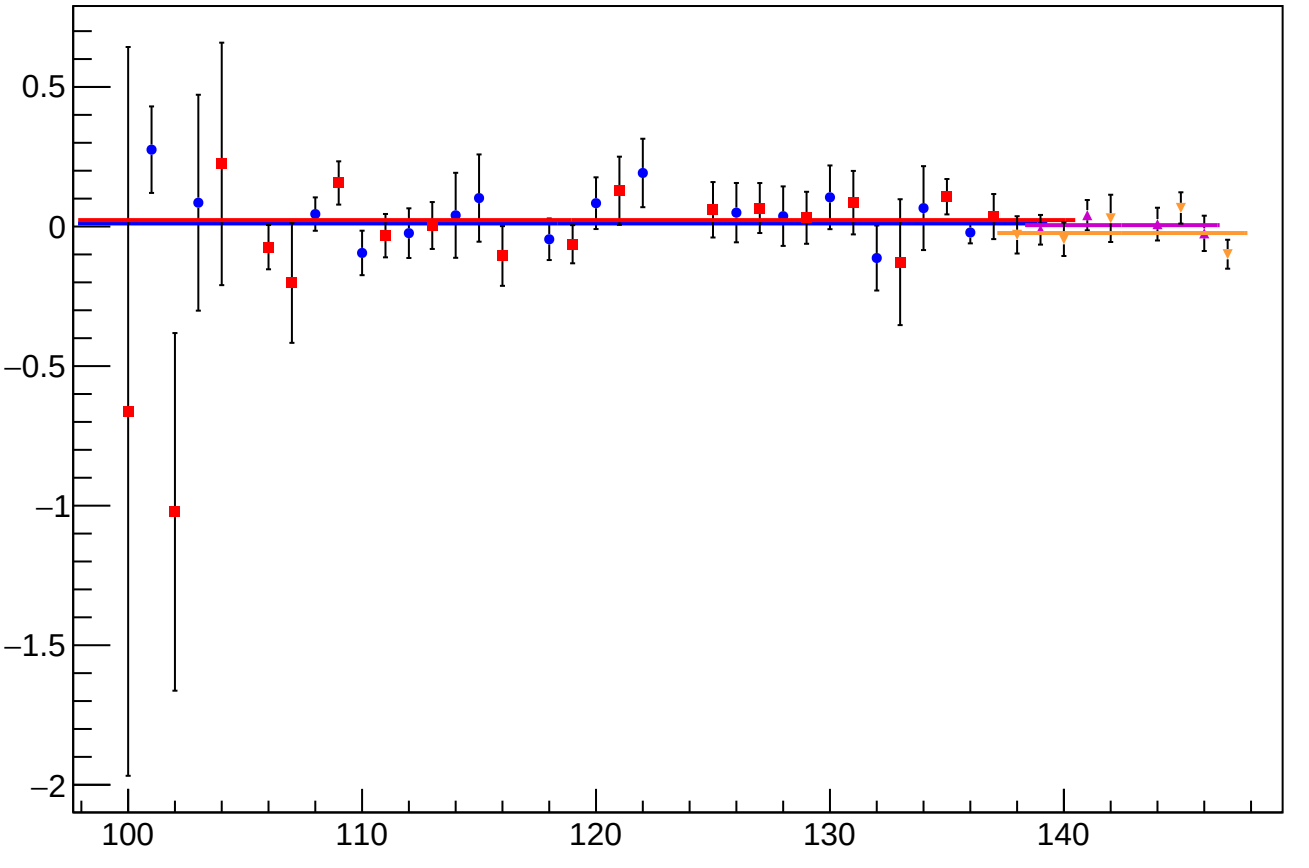
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1222653.3/3

+ sign 0.005+/-0.000 χ^2/NDF: 4045856.6/20

All: 0.004+/-0.000 χ^2/NDF: 8720648.9/42

- sign 0.004+/-0.000 χ^2/NDF: 4389034.3/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

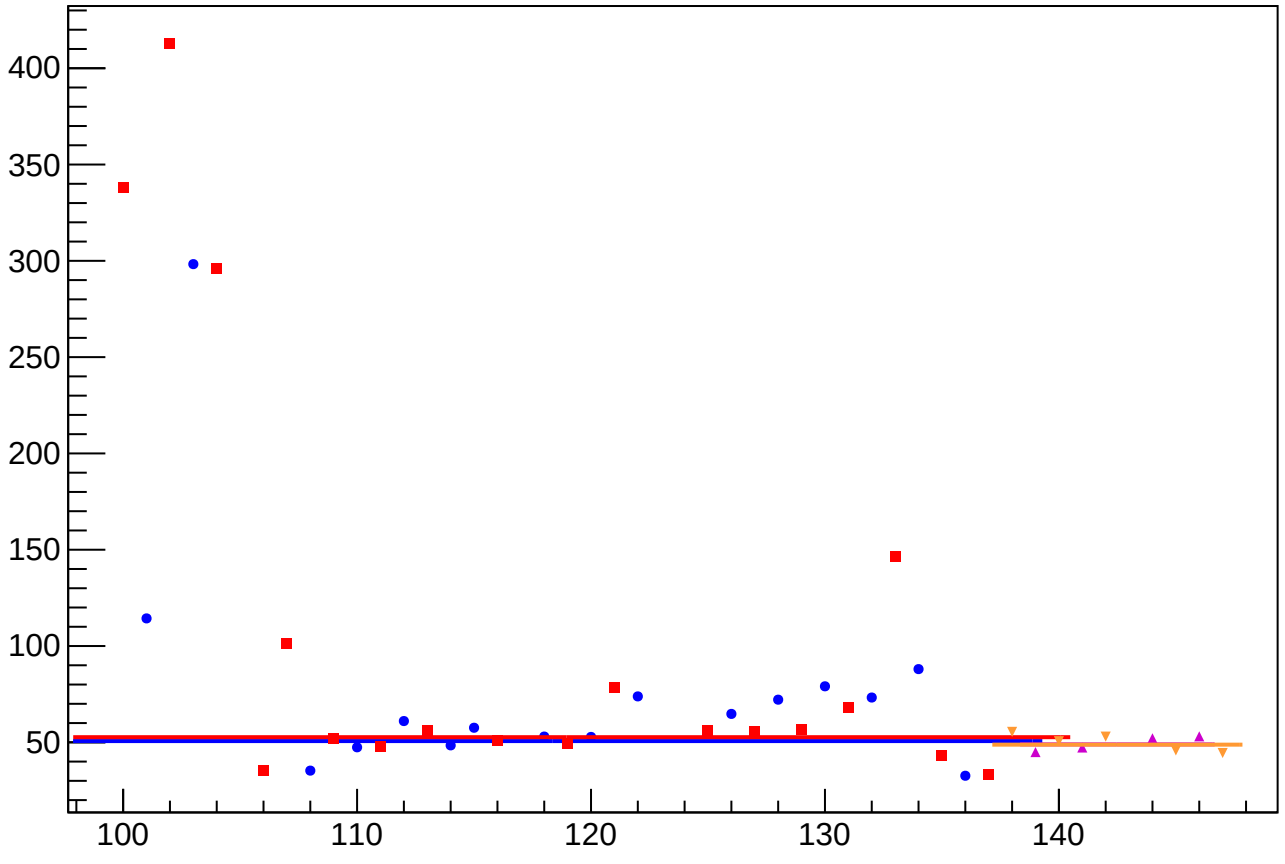
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

\+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.006+/-0.012 χ^2/NDF: 35.4/42

\- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.792+/-0.019 χ^2/NDF:46113.4/4

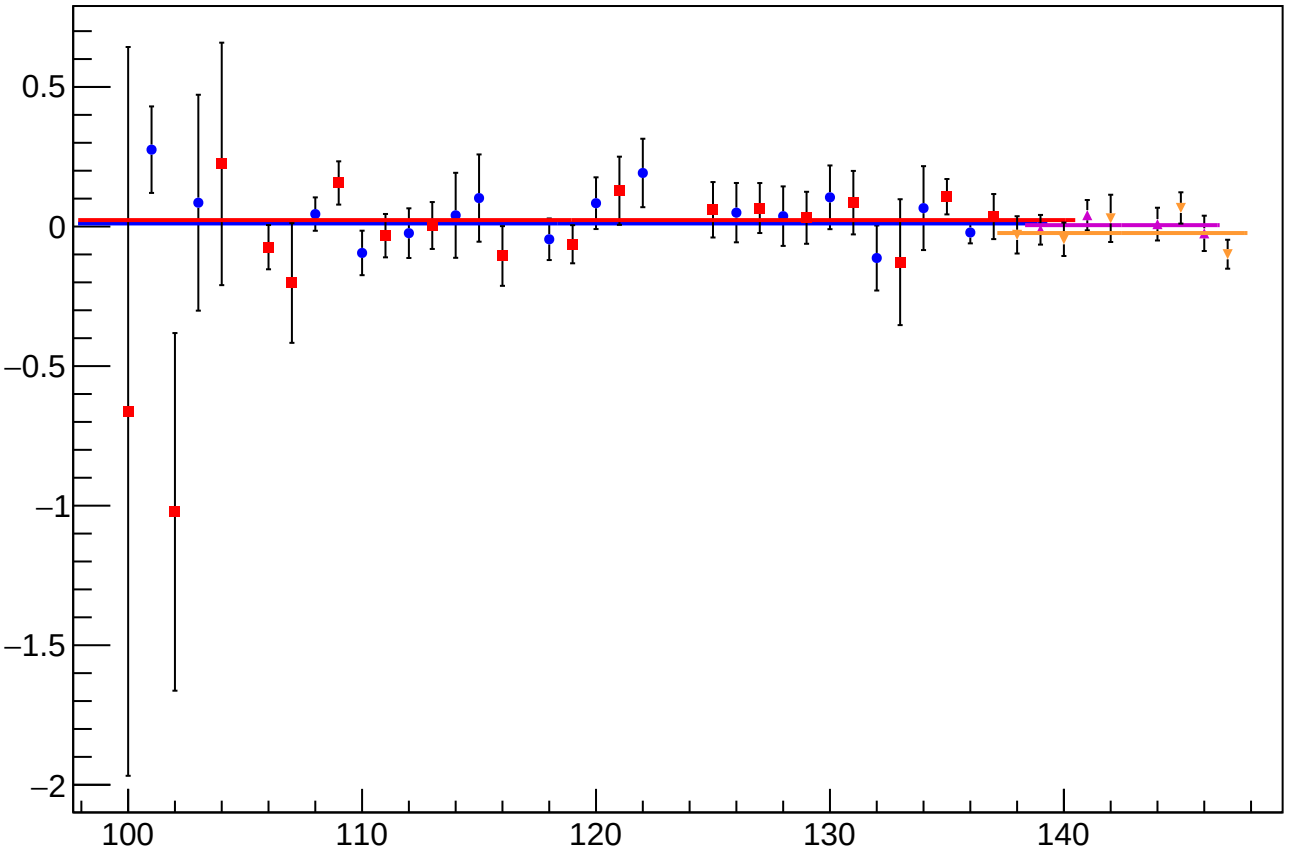
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

+ sign 49.924+/-0.012 χ^2/NDF: 2318056.5/20

All: 50.523+/-0.009 χ^2/NDF: 4583398.2/42

- sign 51.184+/-0.013 χ^2/NDF: 2260167.6/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

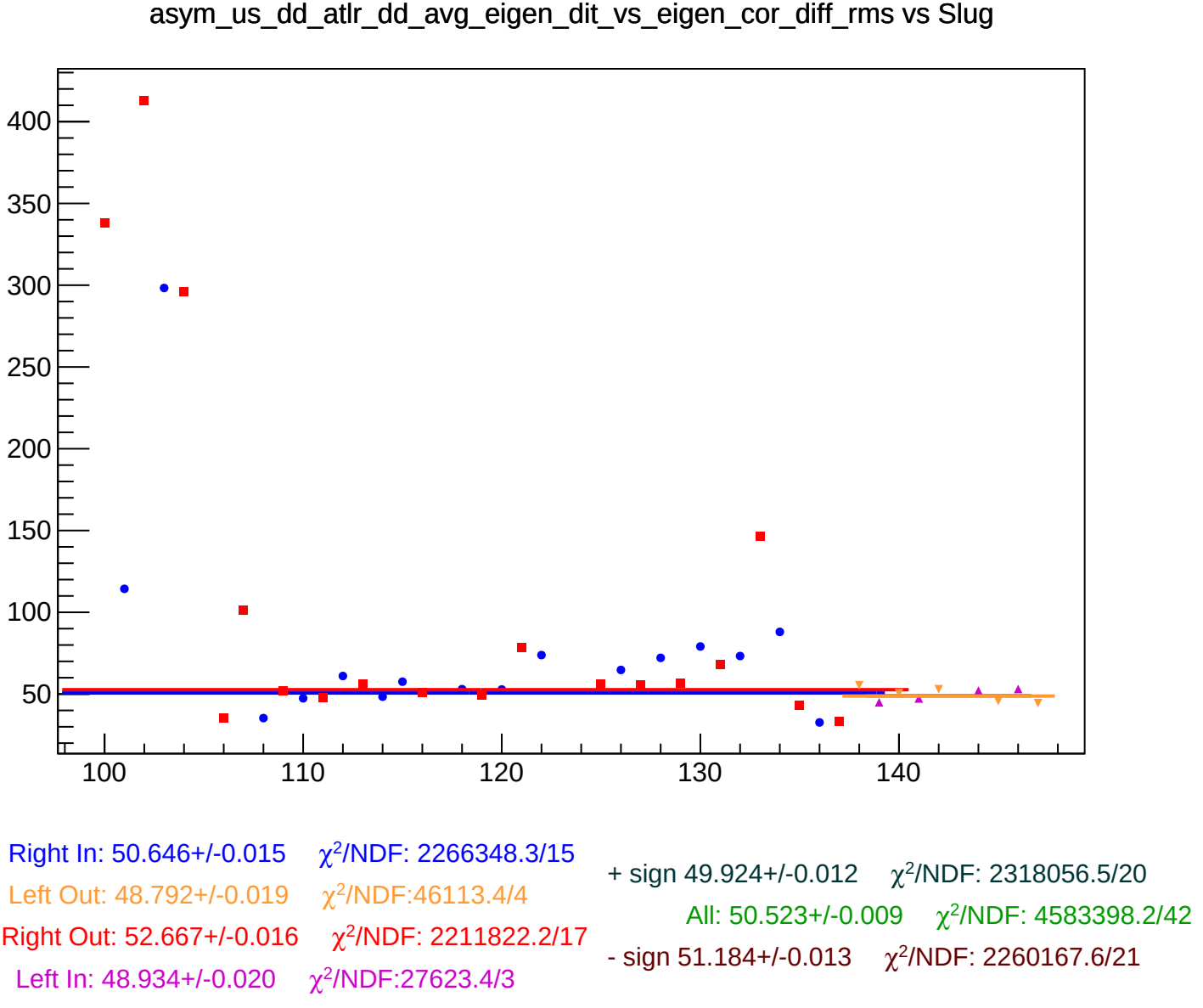
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.006+/-0.012 χ^2/NDF: 35.4/42

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
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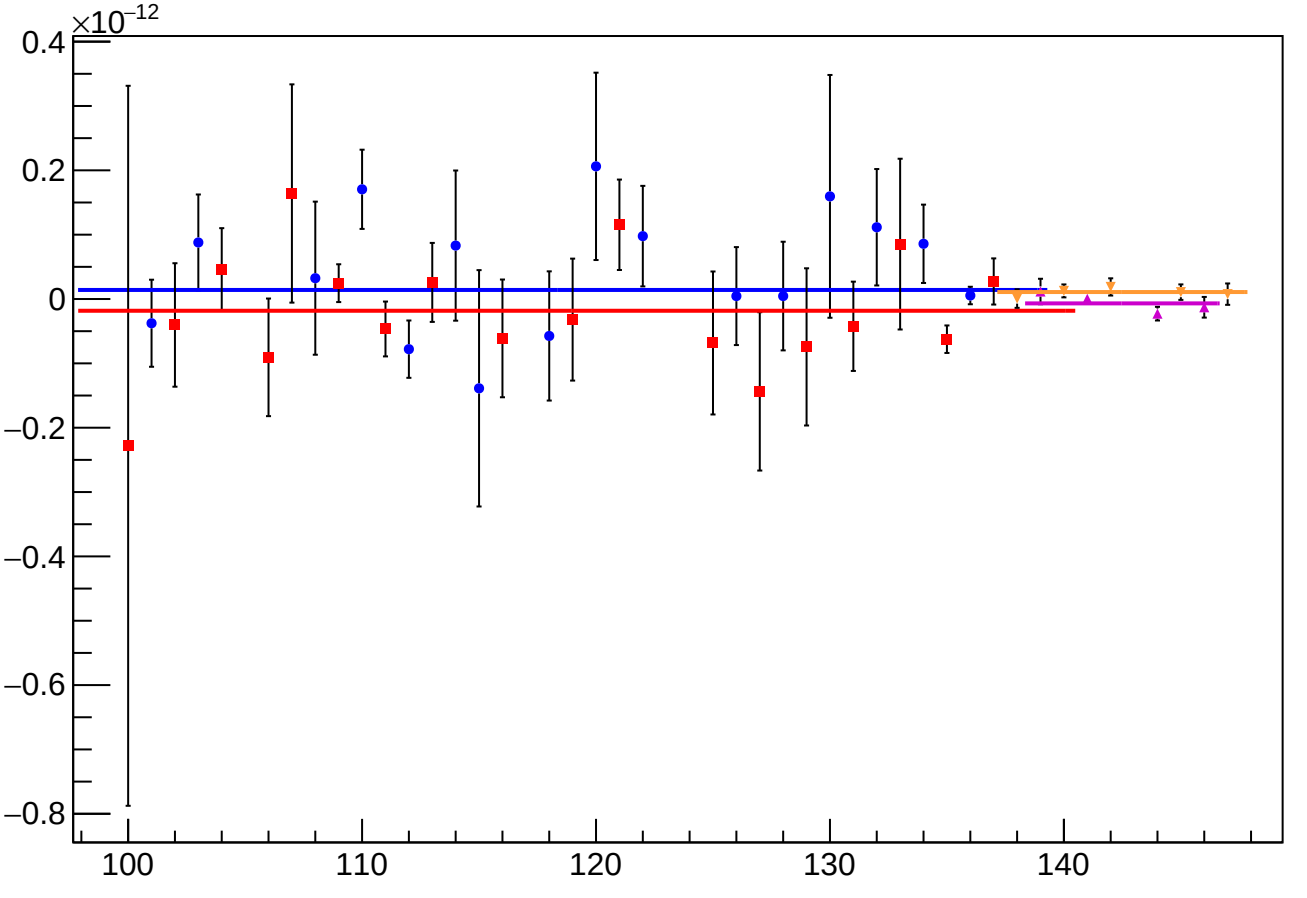
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 48.792+/-0.019 χ²/NDF:46113.4/4
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 48.934+/-0.020 χ²/NDF:27623.4/3
+ sign 49.924+/-0.012 χ²/NDF: 2318056.5/20
All: 50.523+/-0.009 χ²/NDF: 4583398.2/42
- sign 51.184+/-0.013 χ²/NDF: 2260167.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

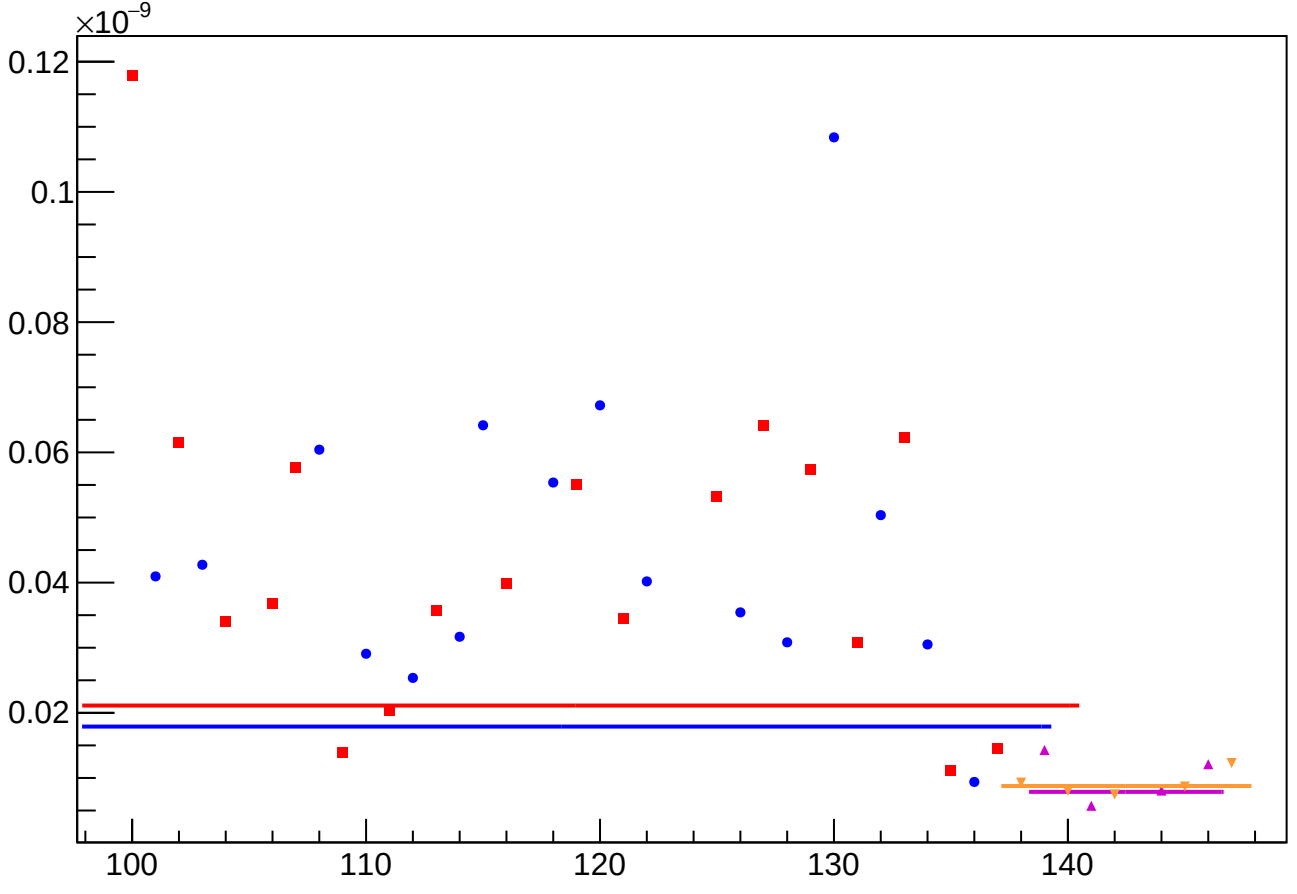
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/20

All: 0.000+/-0.000 χ^2/NDF: 51.9/42

- sign -0.000+/-0.000 χ^2/NDF: 22.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:123022.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

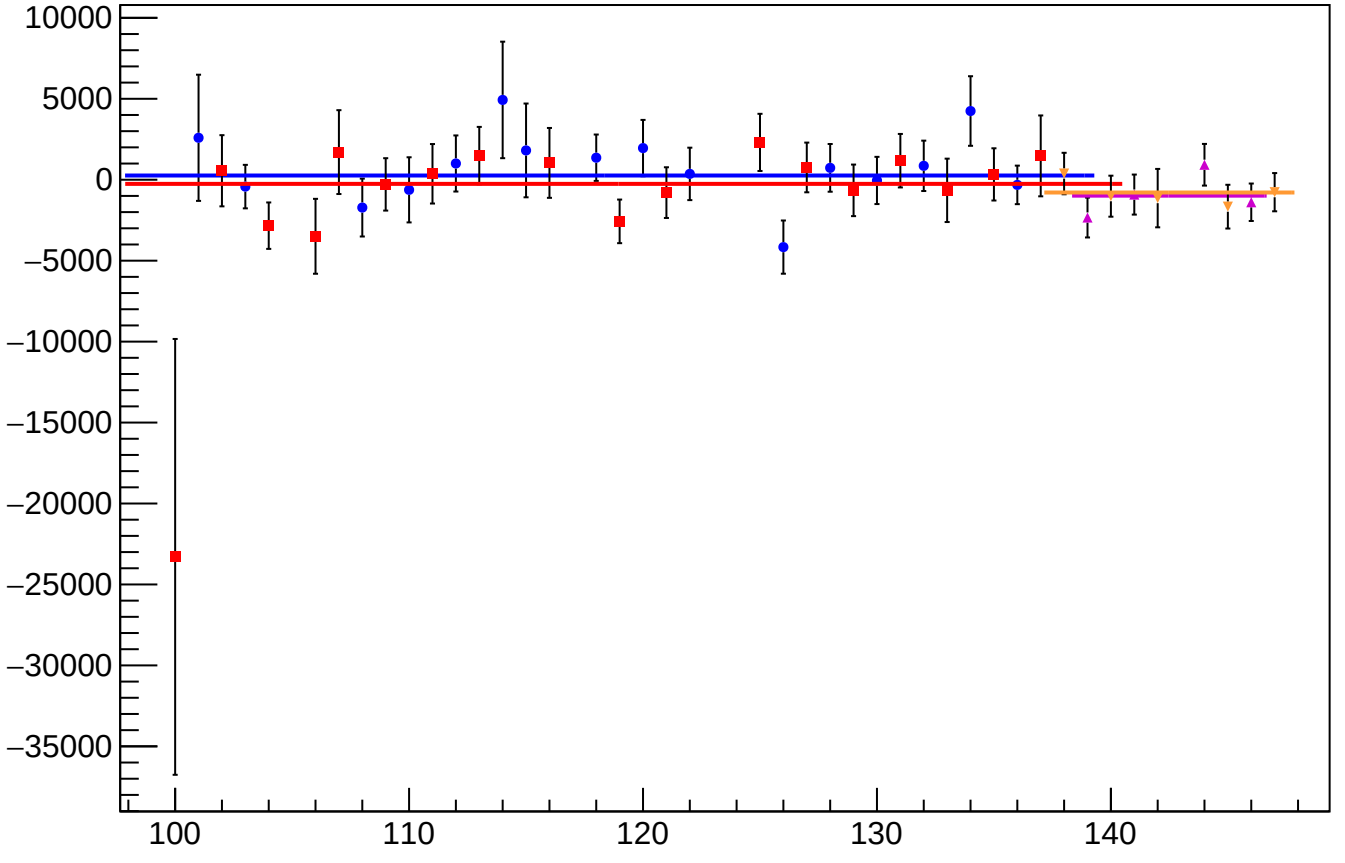
Left In: 0.000+/-0.000 χ^2/NDF:500623.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4559286.2/20

All: 0.000+/-0.000 χ^2/NDF: 9553049.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4983599.5/21

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

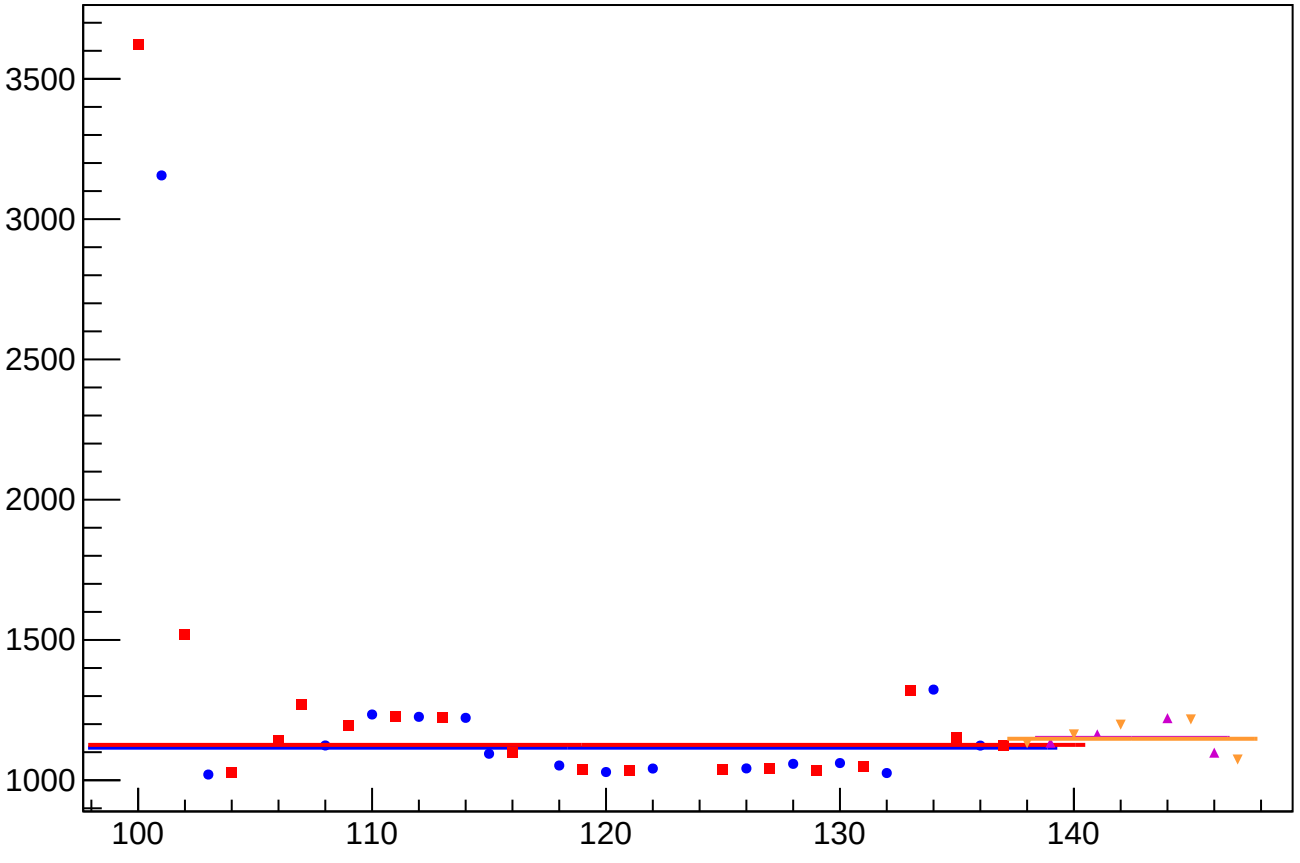
Left In: -982.750+/-612.799 χ^2/NDF:3.5/3

+ sign -91.824+/-346.056 χ^2/NDF: 20.3/20

All: -290.121+/-245.965 χ^2/NDF: 42.8/42

- sign -492.577+/-349.665 χ^2/NDF: 21.8/21

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

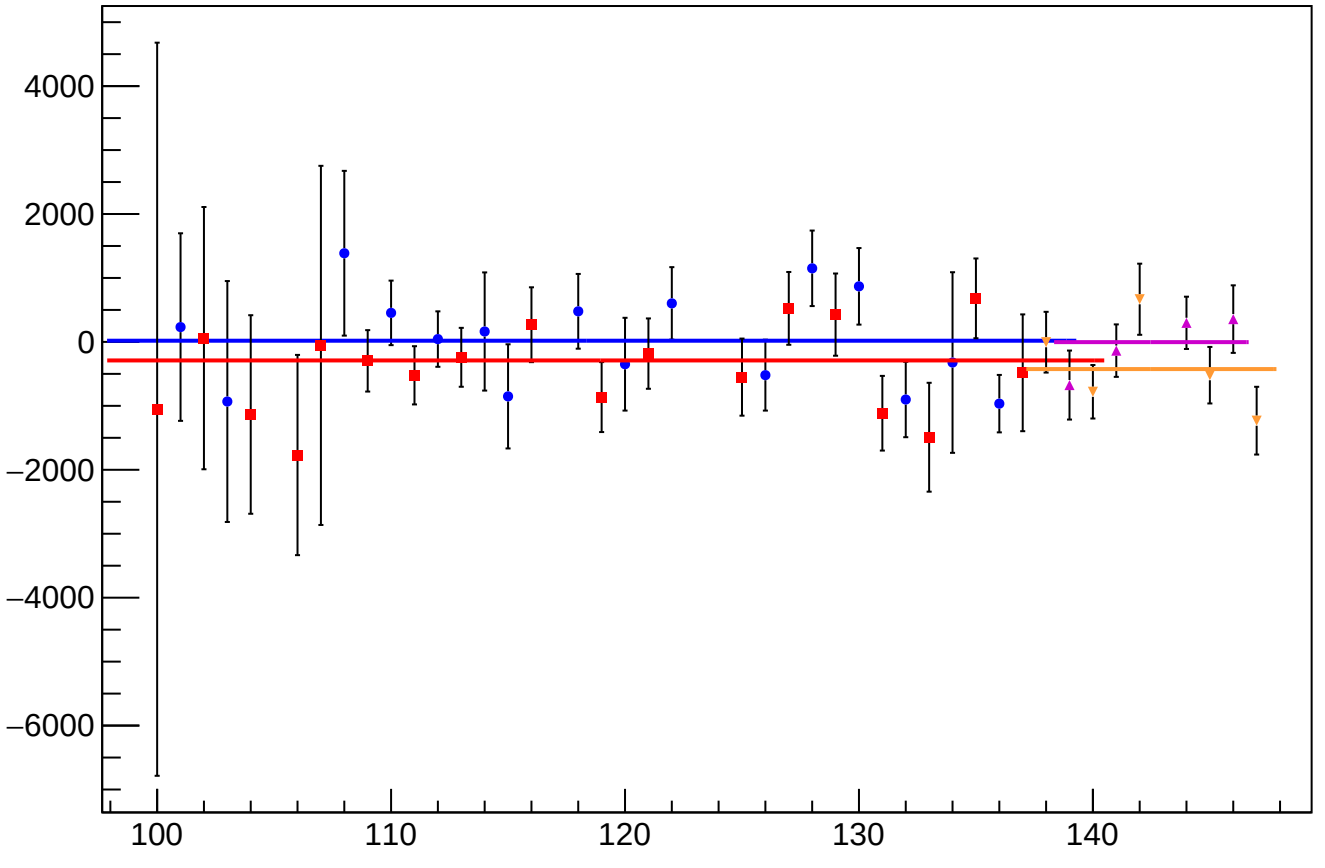
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1126.752+/-0.245 χ^2/NDF: 642384.8/20

All: 1130.409+/-0.174 χ^2/NDF: 877895.9/42

- sign 1134.142+/-0.247 χ^2/NDF: 235059.8/21



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -424.964+/-212.918 χ^2/NDF:7.7/4

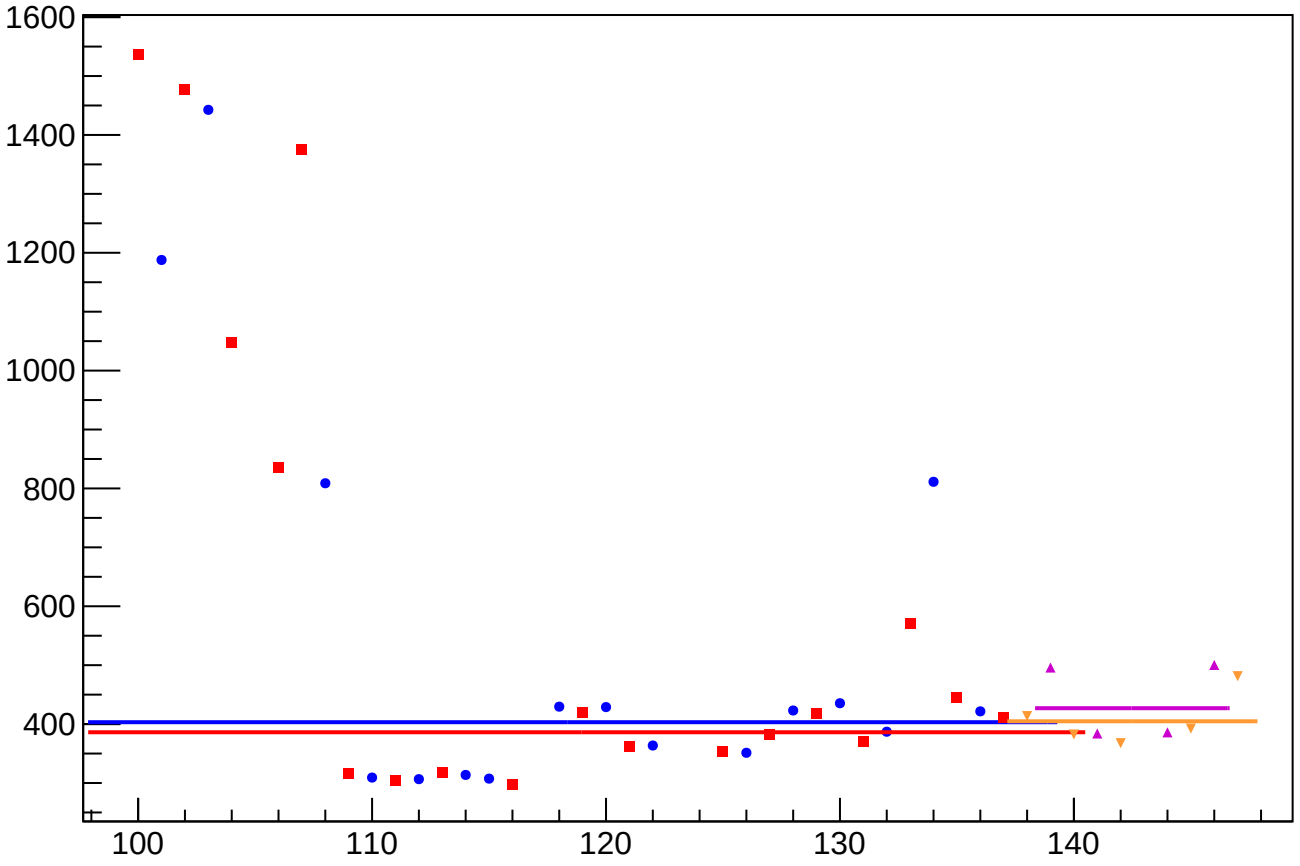
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -3.614+/-229.770 χ^2/NDF:2.7/3

+ sign -143.145+/-128.539 χ^2/NDF: 29.7/20

All: -171.161+/-91.114 χ^2/NDF: 47.0/42

- sign -199.453+/-129.171 χ^2/NDF: 17.2/21



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 404.754+/-0.151 χ^2/NDF:58667.1/4

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

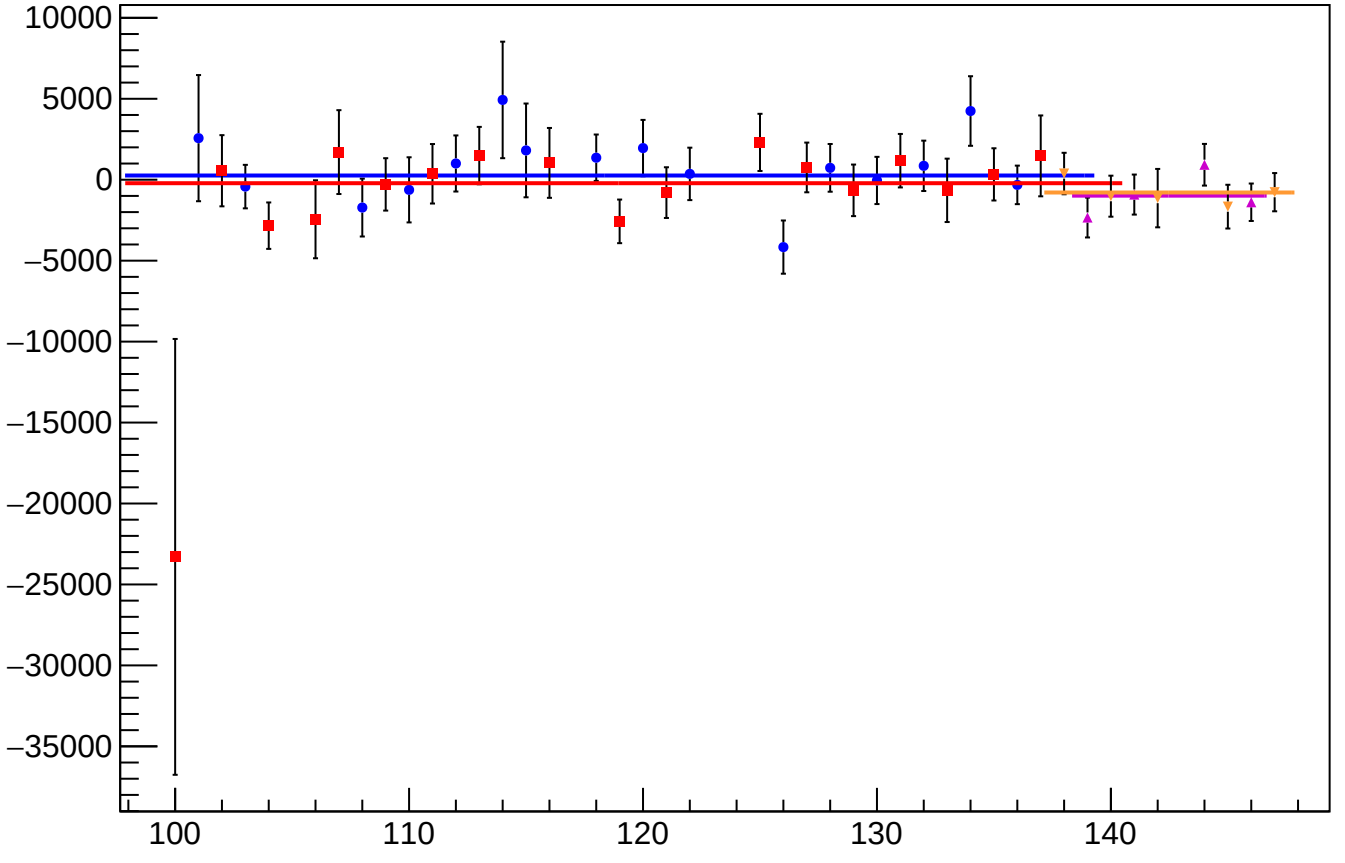
Left In: 426.978+/-0.162 χ^2/NDF:113367.4/3

+ sign 403.762+/-0.091 χ^2/NDF: 1867167.6/20

All: 401.418+/-0.064 χ^2/NDF: 3784184.3/42

- sign 399.051+/-0.091 χ^2/NDF: 1915679.5/21

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

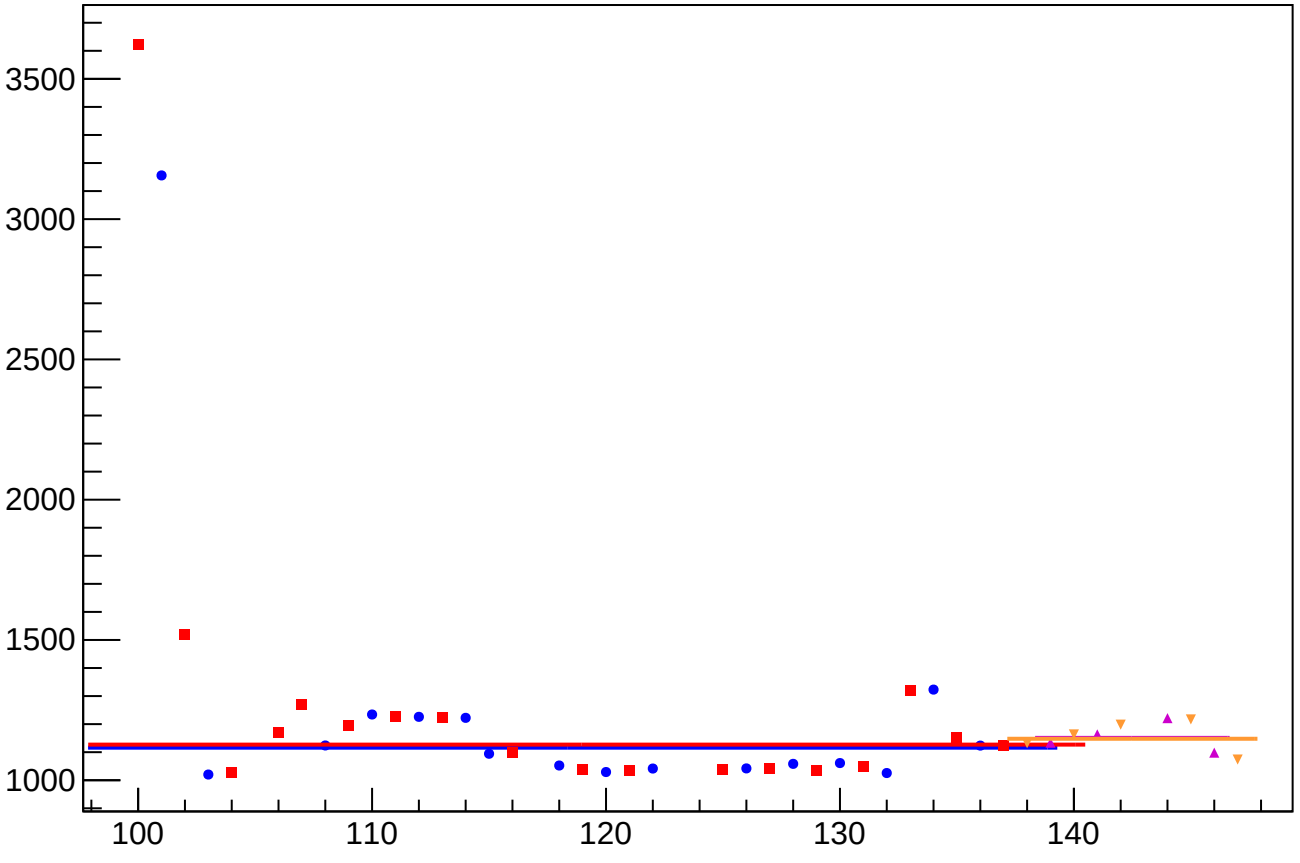
Left In: -982.761+/-612.799 χ^2/NDF:3.5/3

+ sign -92.077+/-346.056 χ^2/NDF: 20.3/20

All: -276.479+/-246.072 χ^2/NDF: 41.7/42

- sign -465.079+/-349.973 χ^2/NDF: 20.8/21

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

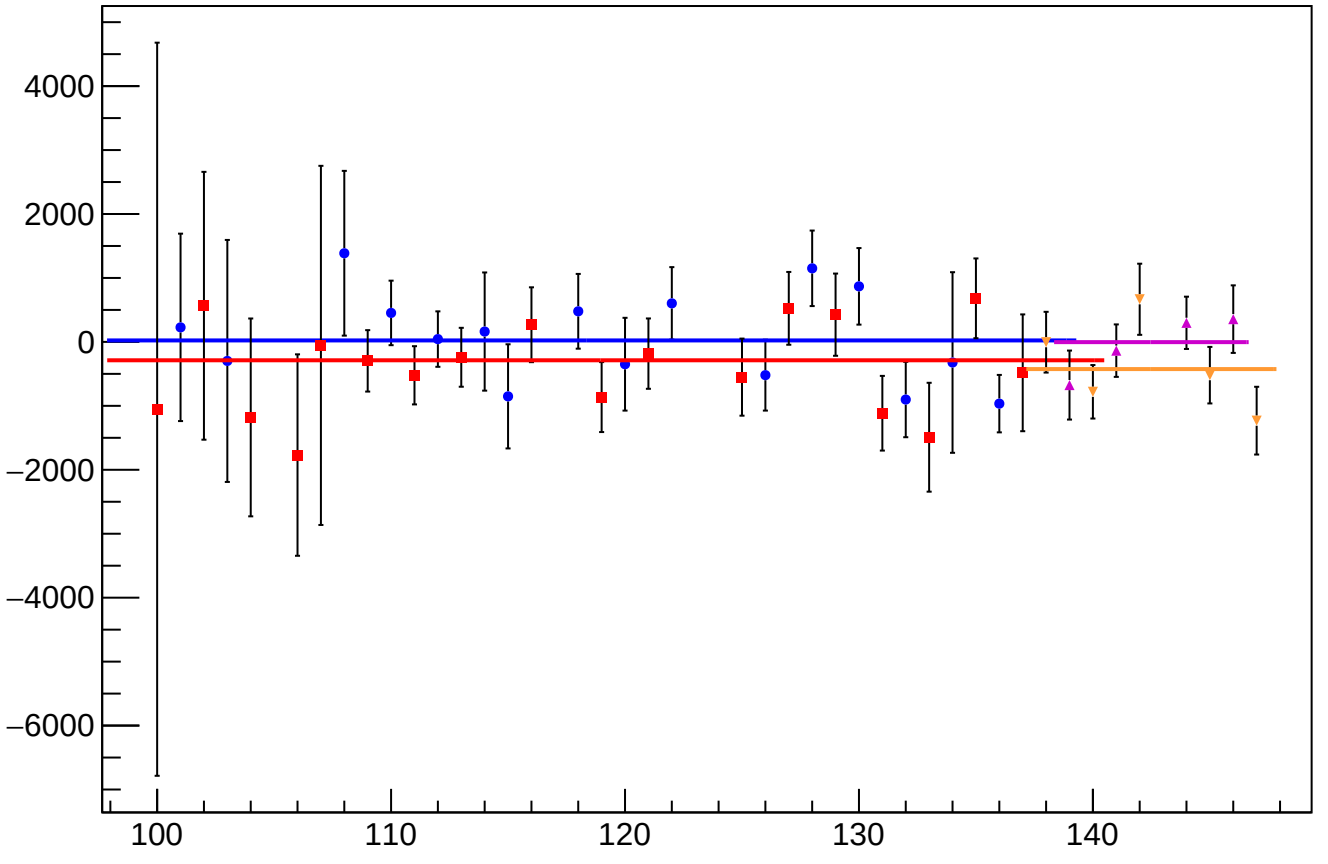
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1126.752+/-0.245 χ^2/NDF: 642385.9/20

All: 1130.727+/-0.174 χ^2/NDF: 878445.8/42

- sign 1134.793+/-0.247 χ^2/NDF: 235526.0/21



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -425.095+/-212.917 χ^2/NDF:7.7/4

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

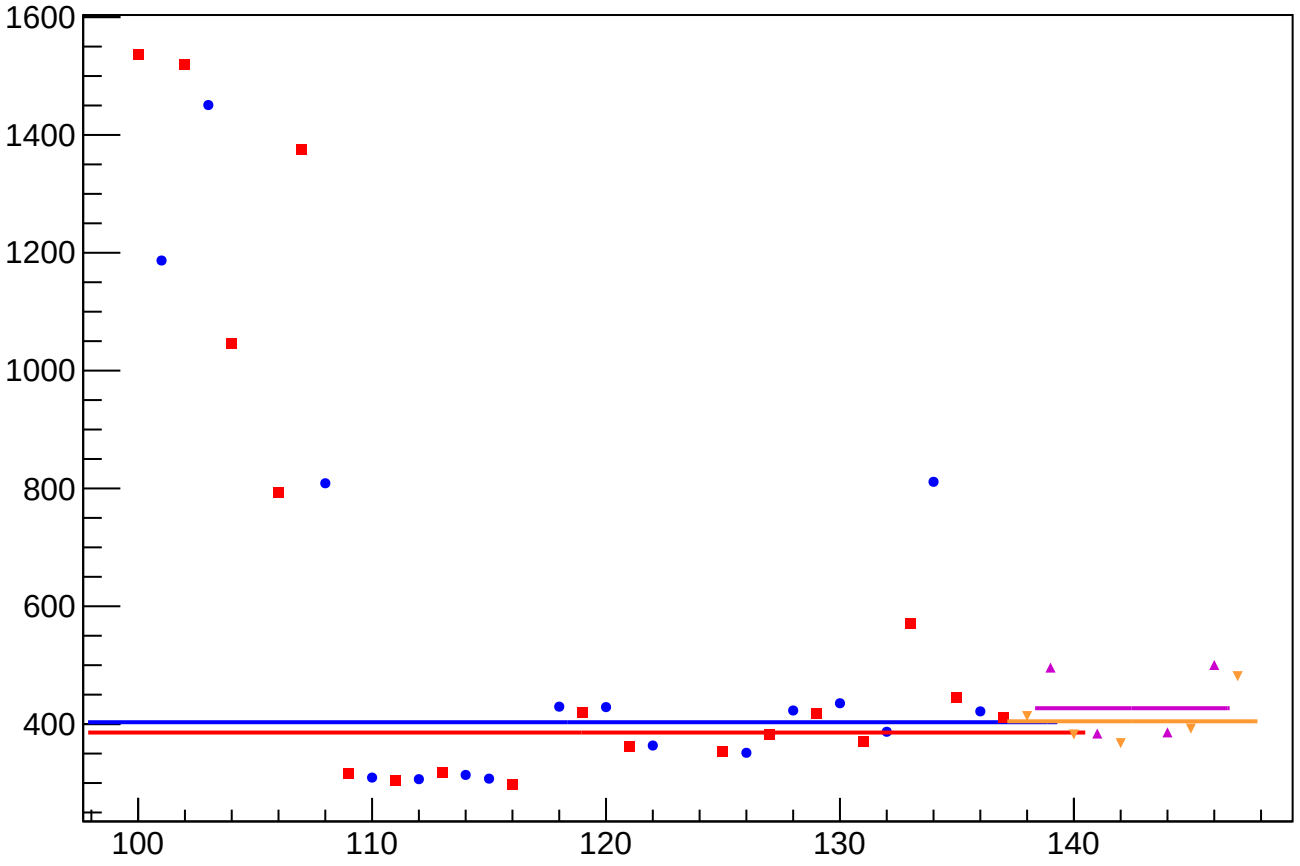
Left In: -3.769+/-229.768 χ^2/NDF:2.7/3

+ sign -140.364+/-128.540 χ^2/NDF: 29.5/20

All: -168.982+/-91.118 χ^2/NDF: 47.0/42

- sign -197.888+/-129.184 χ^2/NDF: 17.4/21

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: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

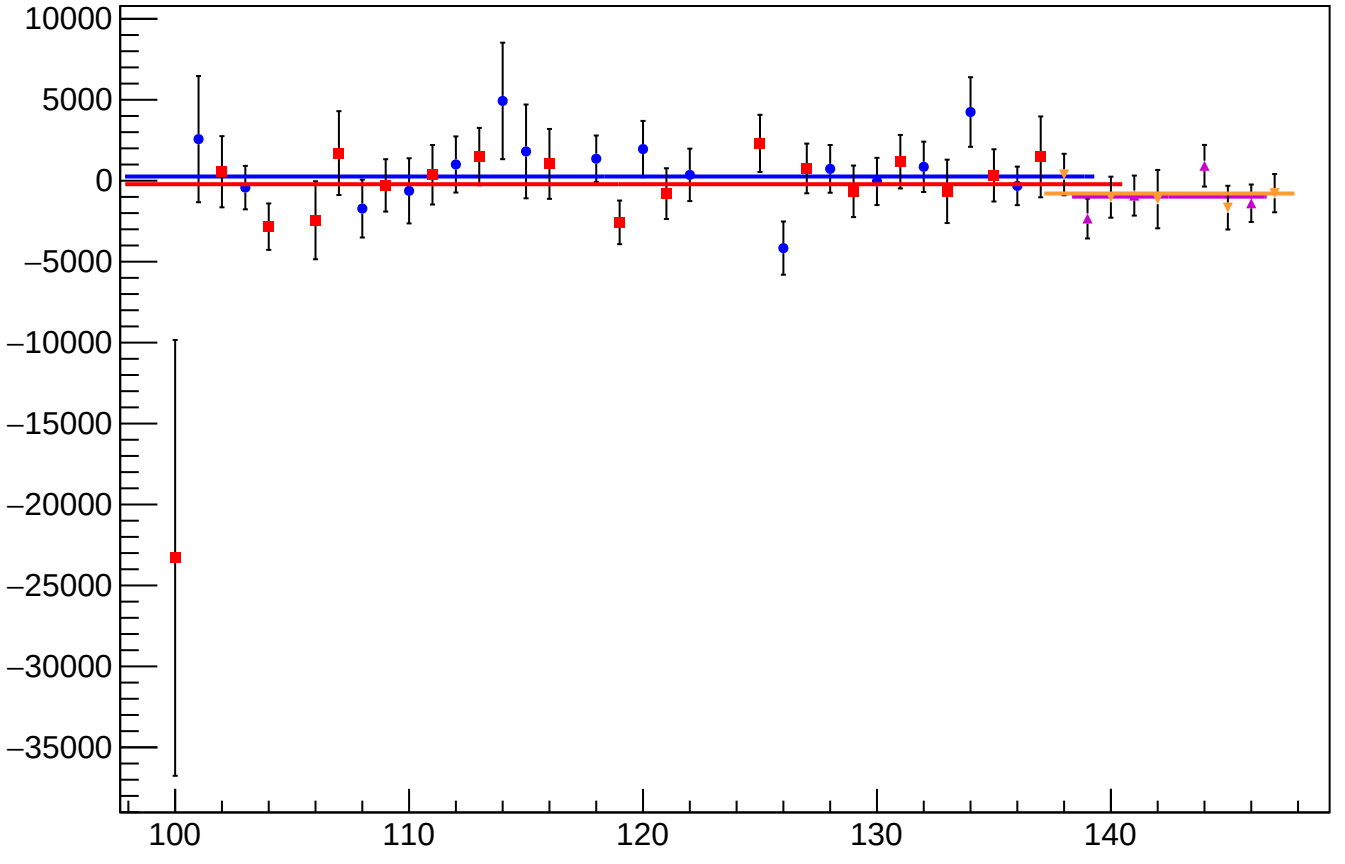
Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

+ sign 403.754+/-0.091 χ^2/NDF: 1870844.7/20

All: 401.257+/-0.064 χ^2/NDF: 3777034.9/42

- sign 398.735+/-0.091 χ^2/NDF: 1904673.0/21

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: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

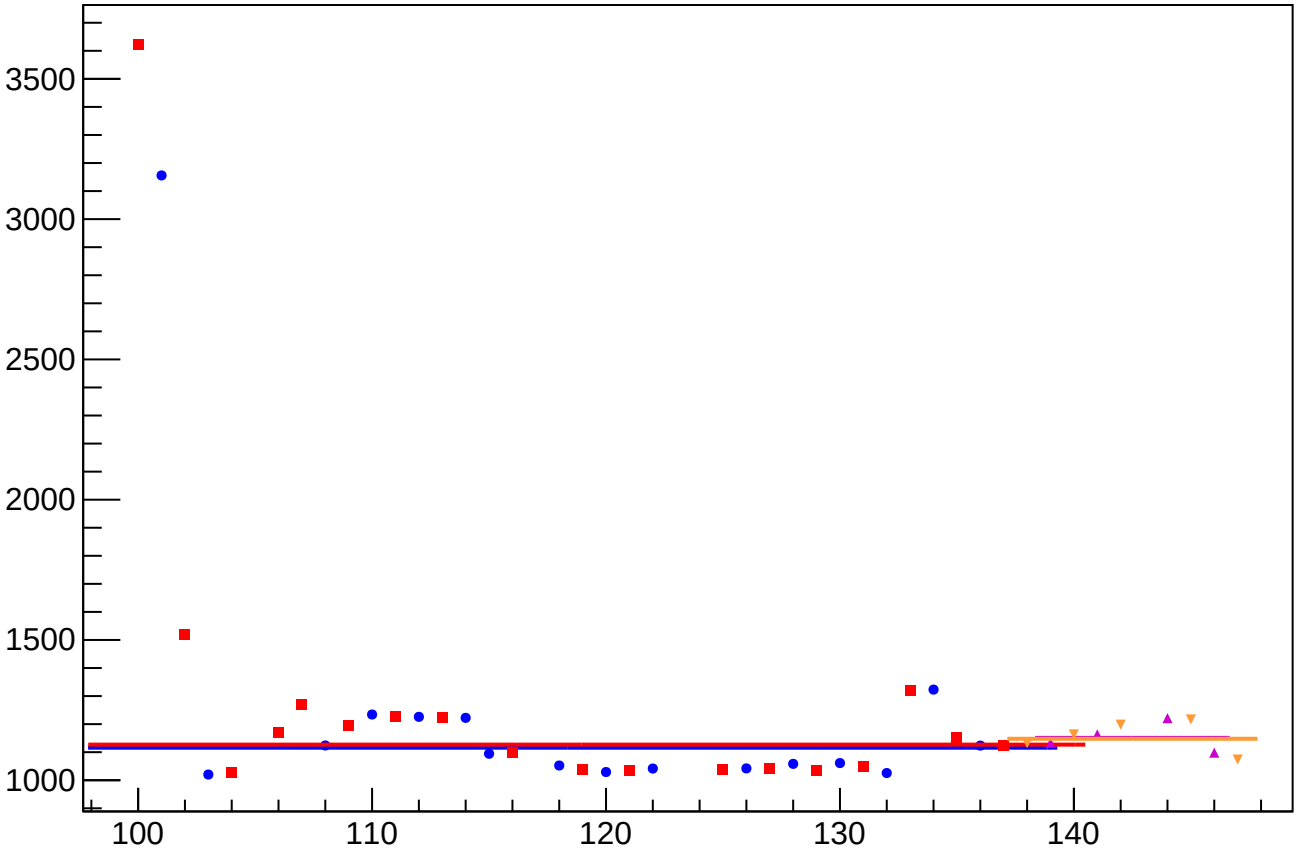
Left In: -982.761+/-612.799 χ^2/NDF:3.5/3

+ sign -92.077+/-346.056 χ^2/NDF: 20.3/20

All: -276.479+/-246.072 χ^2/NDF: 41.7/42

- sign -465.079+/-349.973 χ^2/NDF: 20.8/21

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: 1147.831+/-0.422 χ^2/NDF:15240.2/4

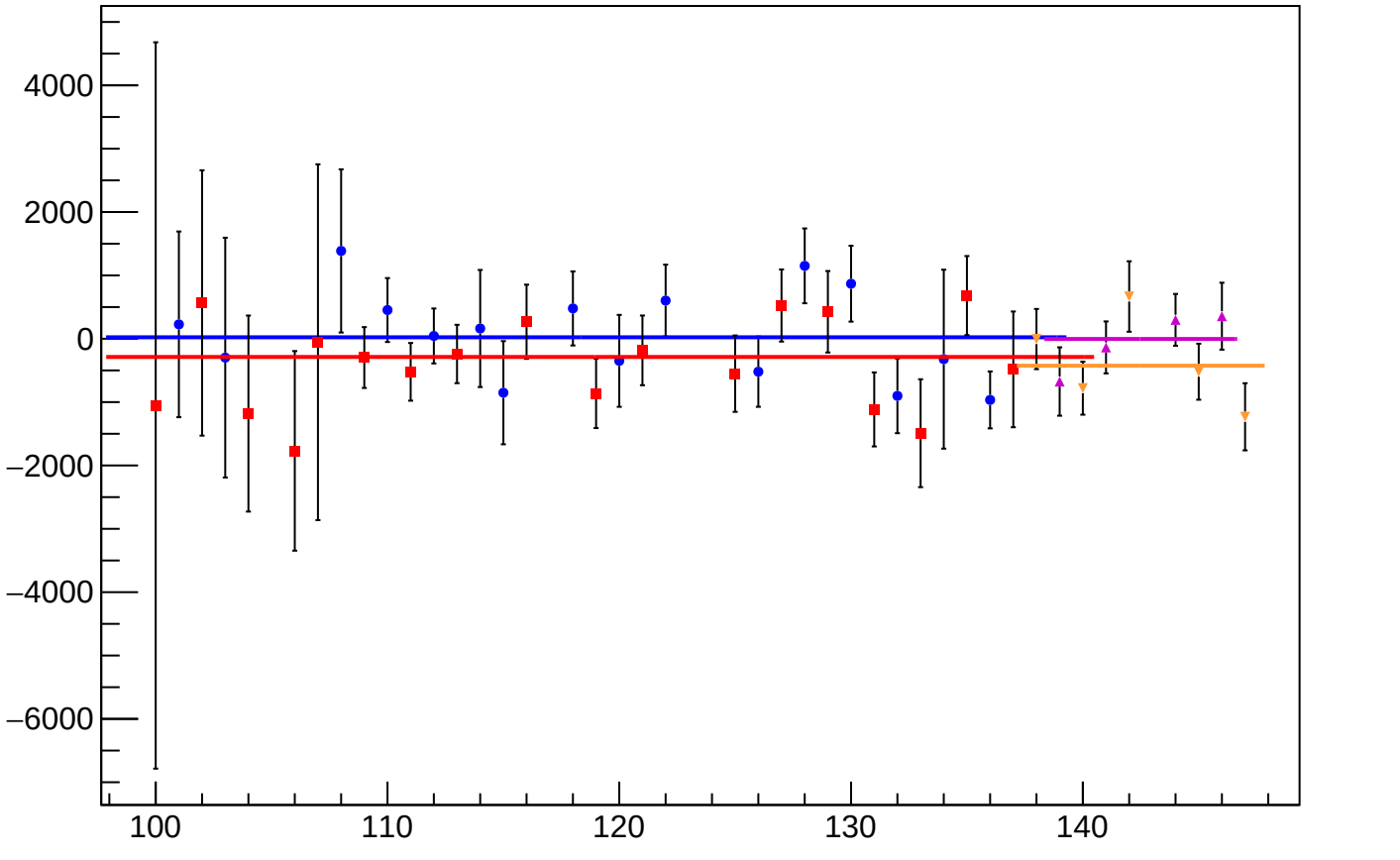
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1126.752+/-0.245 χ^2/NDF: 642385.9/20

All: 1130.727+/-0.174 χ^2/NDF: 878445.8/42

- sign 1134.793+/-0.247 χ^2/NDF: 235526.0/21



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -425.095+/-212.917 χ^2/NDF:7.7/4

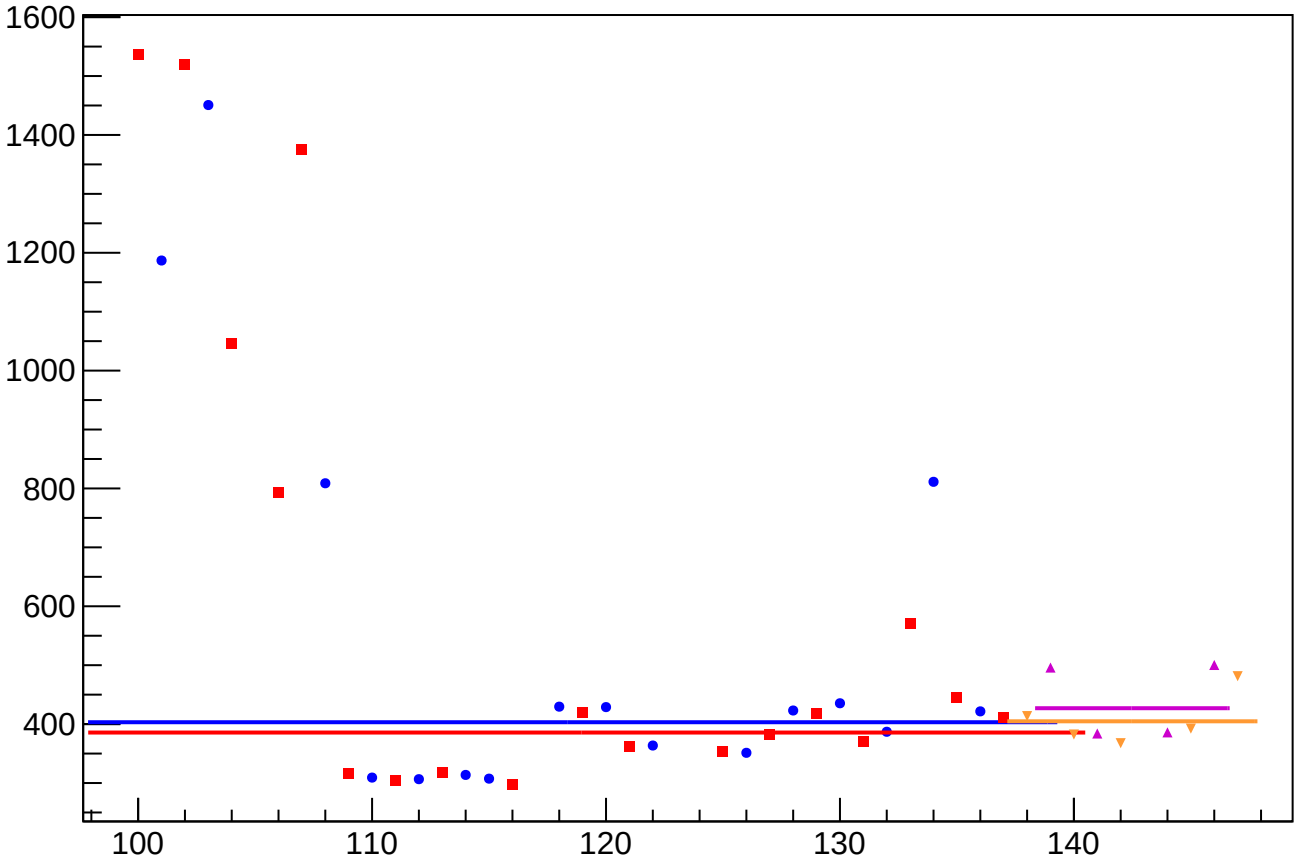
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -3.769+/-229.768 χ^2/NDF:2.7/3

+ sign -140.364+/-128.540 χ^2/NDF: 29.5/20

All: -168.982+/-91.118 χ^2/NDF: 47.0/42

- sign -197.888+/-129.184 χ^2/NDF: 17.4/21



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

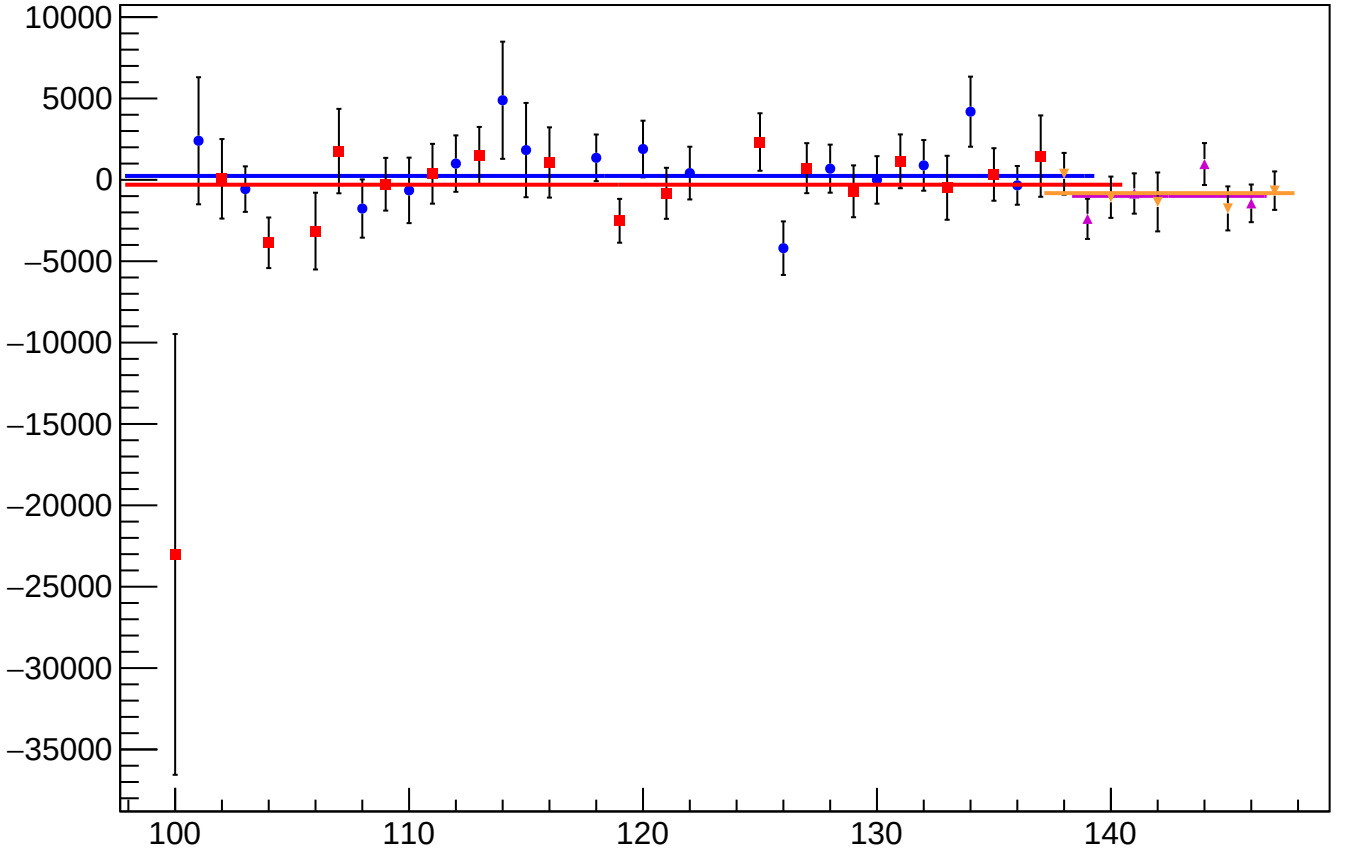
Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

+ sign 403.754+/-0.091 χ^2/NDF: 1870844.7/20

All: 401.257+/-0.064 χ^2/NDF: 3777034.9/42

- sign 398.735+/-0.091 χ^2/NDF: 1904673.0/21

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -816.785+/-597.831 χ^2/NDF:1.5/4

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

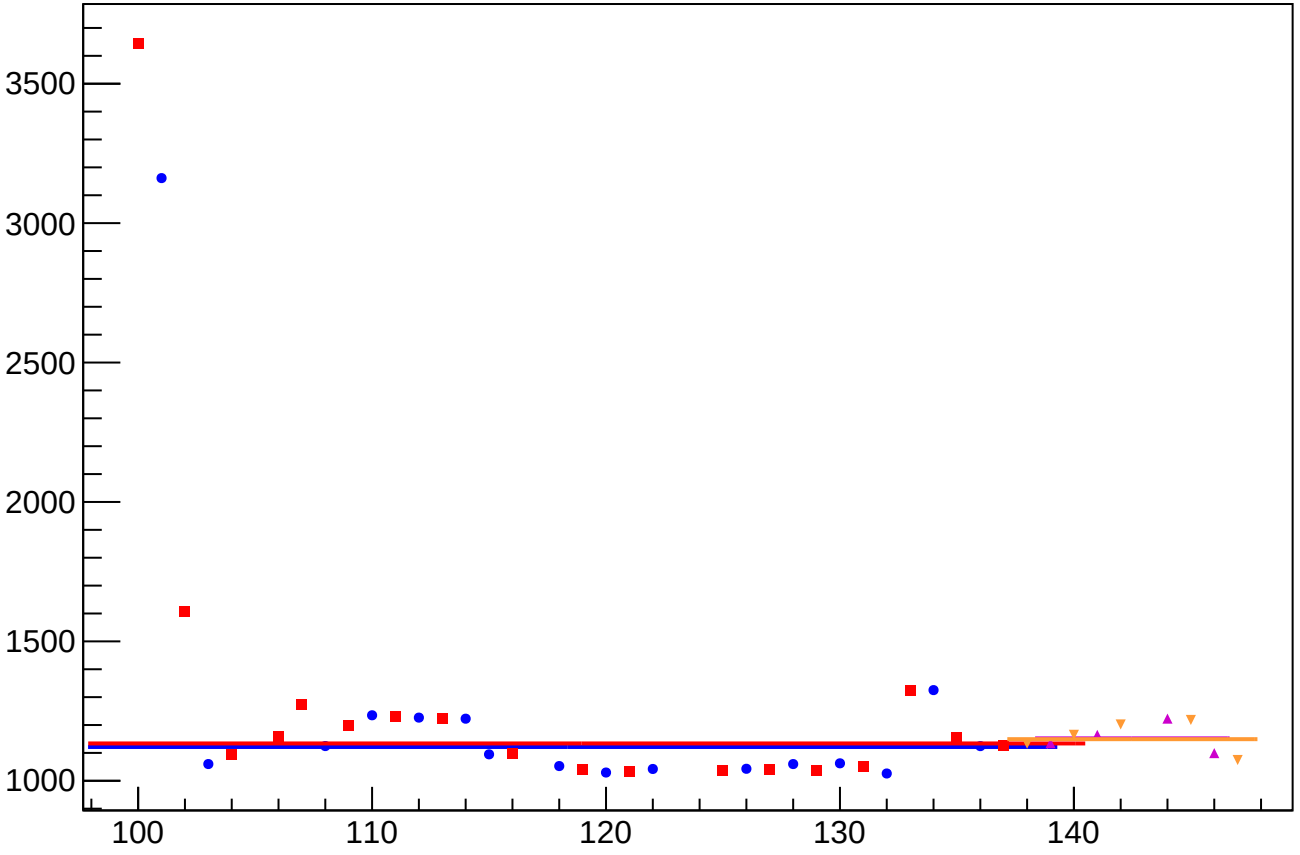
Left In: -983.544+/-613.426 χ^2/NDF:3.8/3

\+ sign -115.998+/-347.250 χ^2/NDF: 20.5/20

All: -317.428+/-247.388 χ^2/NDF: 44.5/42

\- sign -525.028+/-352.528 χ^2/NDF: 23.3/21

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.253+/-0.423 χ^2/NDF:15528.8/4

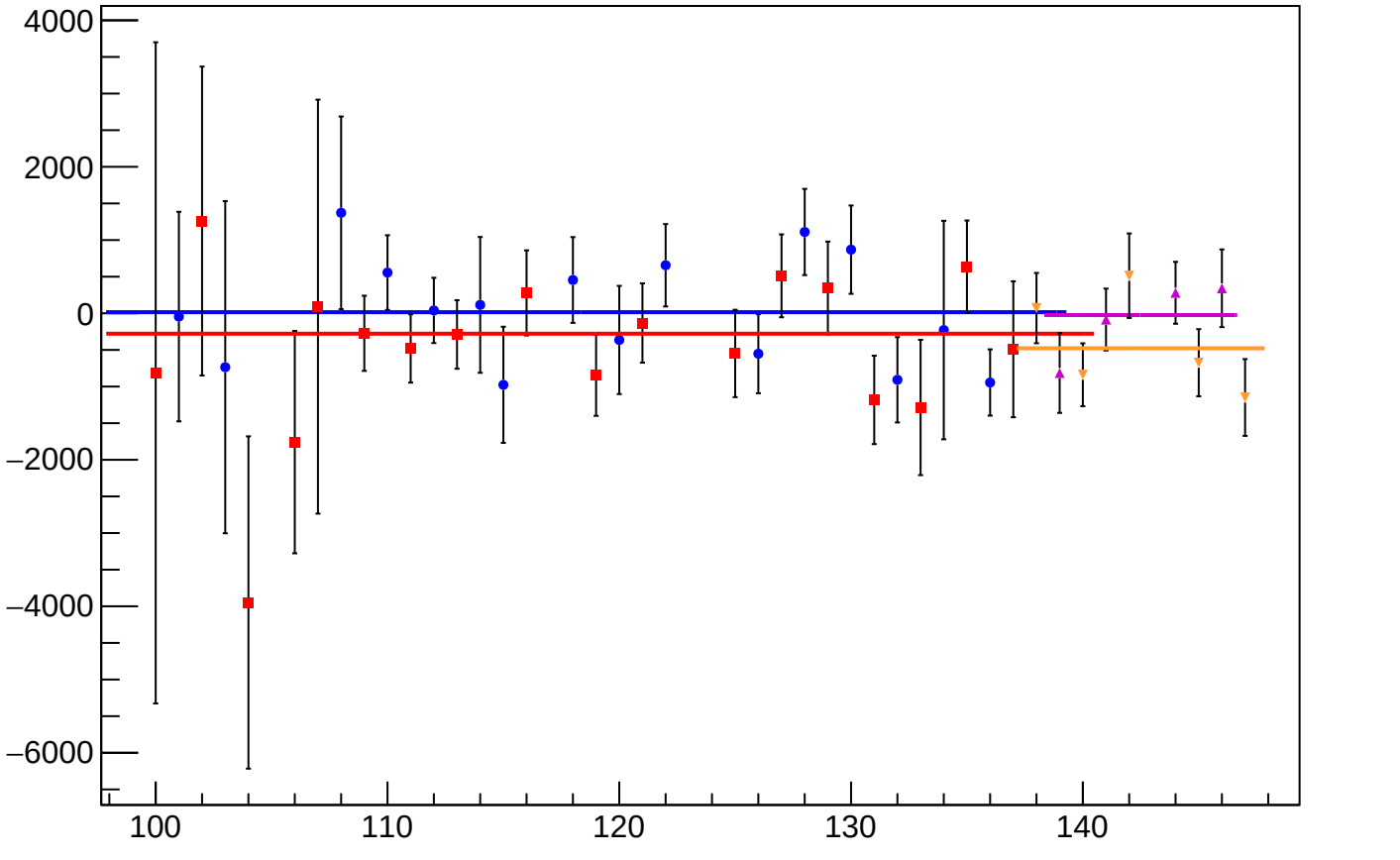
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.4/3

+ sign 1130.727+/-0.246 χ^2/NDF: 635455.6/20

All: 1135.265+/-0.175 χ^2/NDF: 875608.4/42

- sign 1139.942+/-0.249 χ^2/NDF: 239459.2/21



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -477.178+/-217.311 χ^2/NDF:6.8/4

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

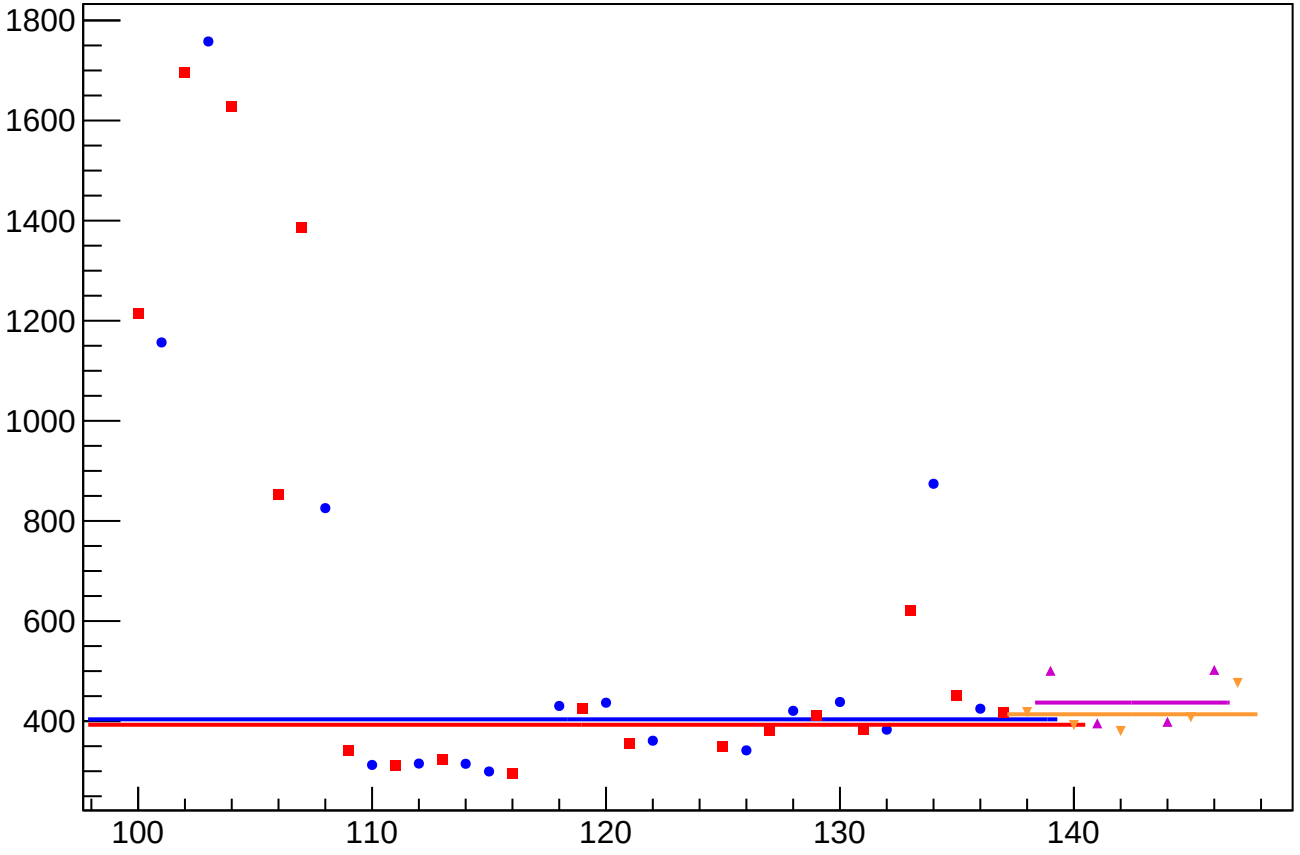
Left In: -24.238+/-234.836 χ^2/NDF:3.1/3

\+ sign -160.411+/-129.802 χ^2/NDF: 29.7/20

All: -179.212+/-92.400 χ^2/NDF: 48.7/42

\- sign -198.527+/-131.563 χ^2/NDF: 19.0/21

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: 413.771+/-0.154 χ^2/NDF:40808.2/4

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

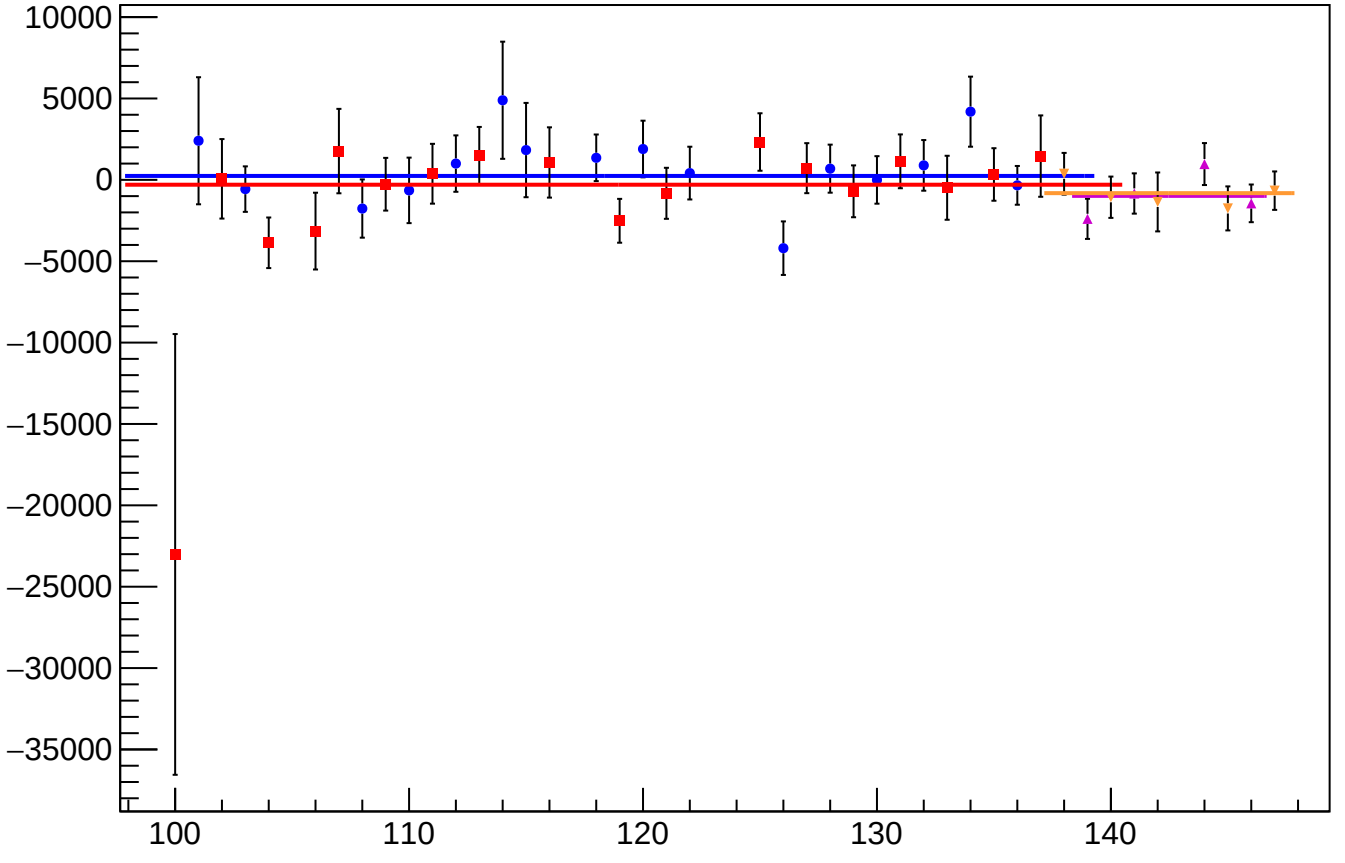
Left In: 437.098+/-0.166 χ^2/NDF:93289.6/3

+ sign 407.264+/-0.092 χ^2/NDF: 1973192.7/20

All: 406.995+/-0.065 χ^2/NDF: 4318739.7/42

- sign 406.717+/-0.093 χ^2/NDF: 2345529.5/21

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: -816.792+/-597.831 χ^2/NDF:1.5/4

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

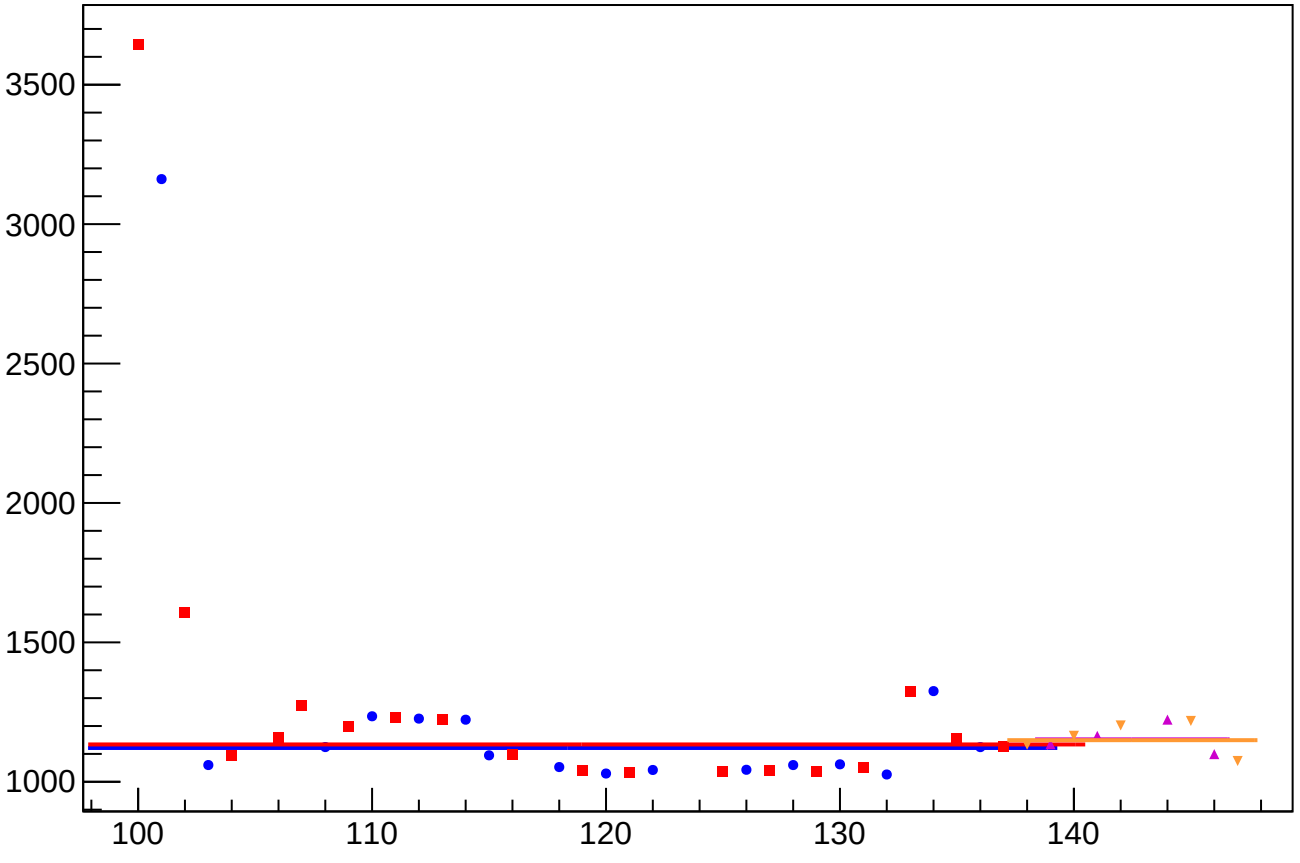
Left In: -983.541+/-613.426 χ^2/NDF:3.8/3

+ sign -115.999+/-347.250 χ^2/NDF: 20.5/20

All: -317.429+/-247.388 χ^2/NDF: 44.5/42

- sign -525.028+/-352.528 χ^2/NDF: 23.3/21

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: 1149.253+/-0.423 χ^2/NDF:15528.9/4

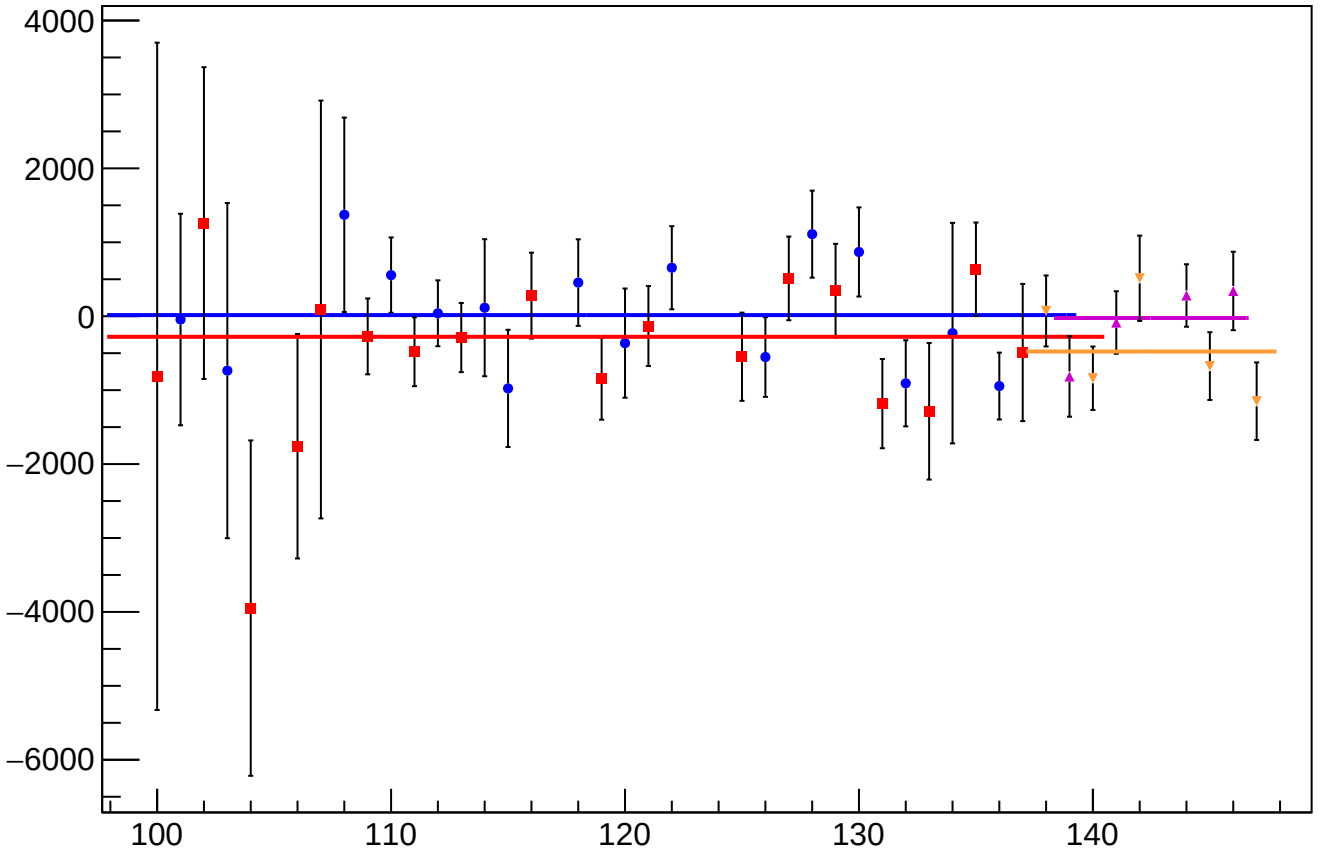
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.5/3

+ sign 1130.727+/-0.246 χ^2/NDF: 635455.7/20

All: 1135.265+/-0.175 χ^2/NDF: 875608.6/42

- sign 1139.942+/-0.249 χ^2/NDF: 239459.4/21



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -477.188+/-217.311 χ^2/NDF:6.8/4

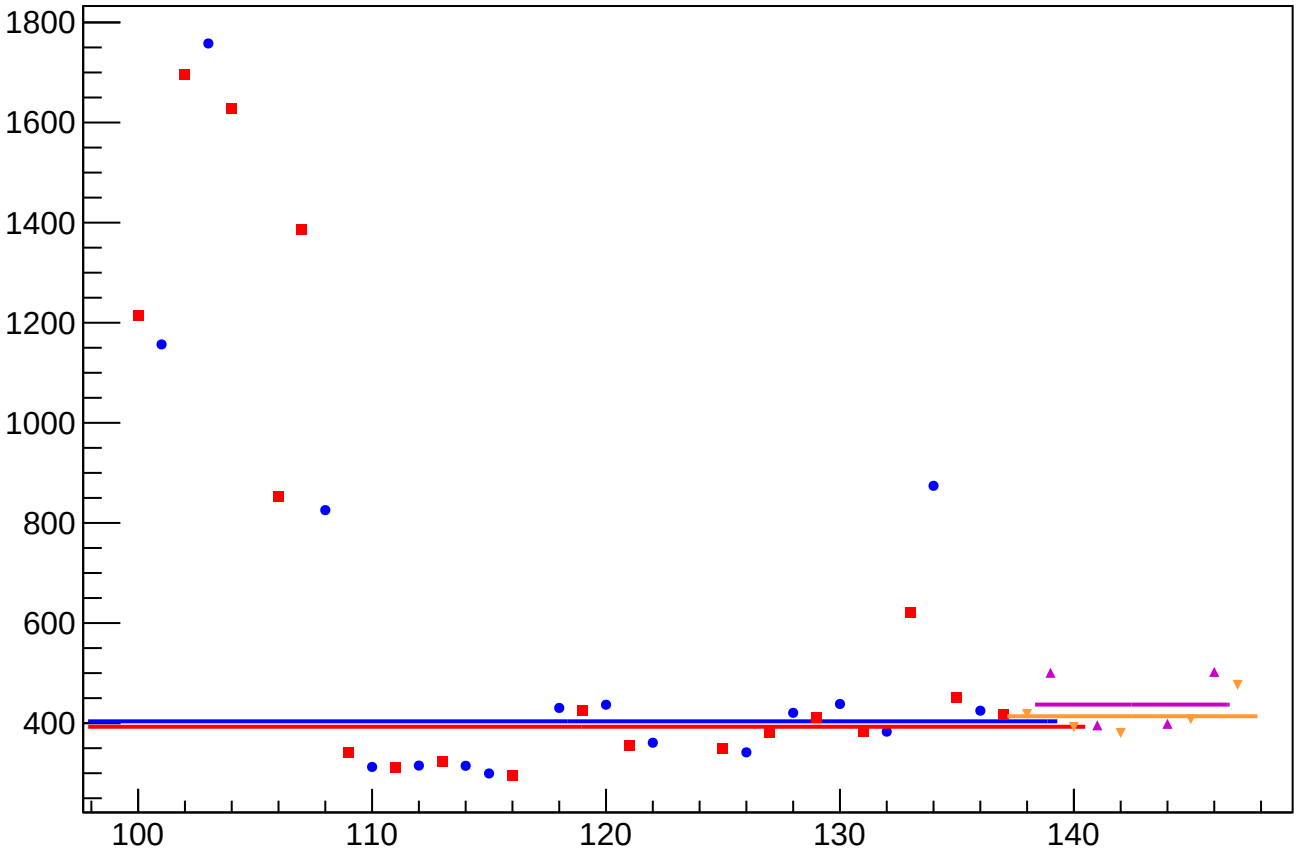
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -24.244+/-234.837 χ^2/NDF:3.1/3

\+ sign -160.415+/-129.801 χ^2/NDF: 29.7/20

All: -179.215+/-92.400 χ^2/NDF: 48.7/42

\- sign -198.528+/-131.562 χ^2/NDF: 19.0/21



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 413.770+/-0.154 χ^2/NDF:40805.4/4

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

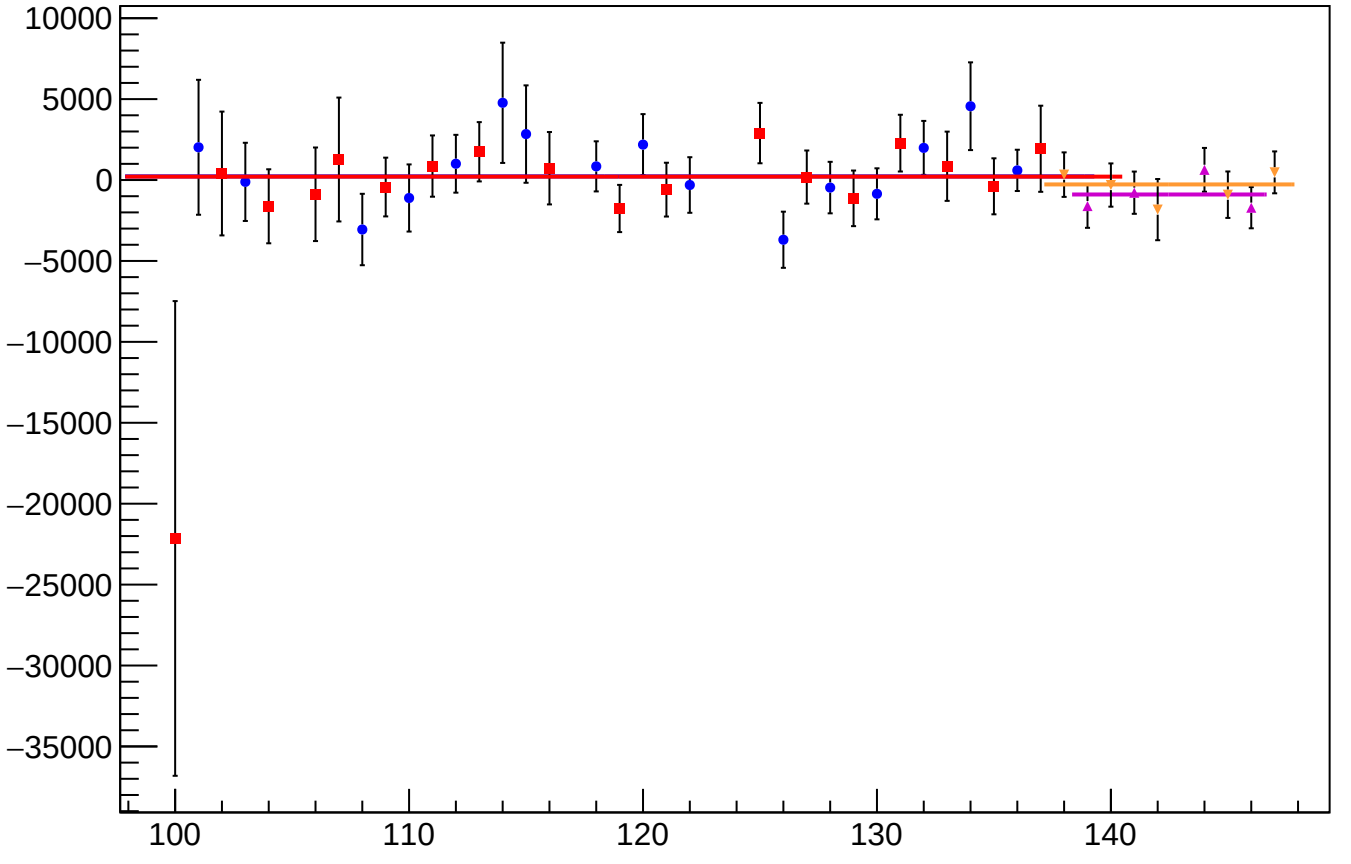
Left In: 437.100+/-0.166 χ^2/NDF:93287.2/3

+ sign 407.262+/-0.092 χ^2/NDF: 1973188.3/20

All: 406.993+/-0.065 χ^2/NDF: 4318751.2/42

- sign 406.715+/-0.093 χ^2/NDF: 2345545.4/21

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -271.586+/-638.846 χ^2/NDF:1.4/4

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

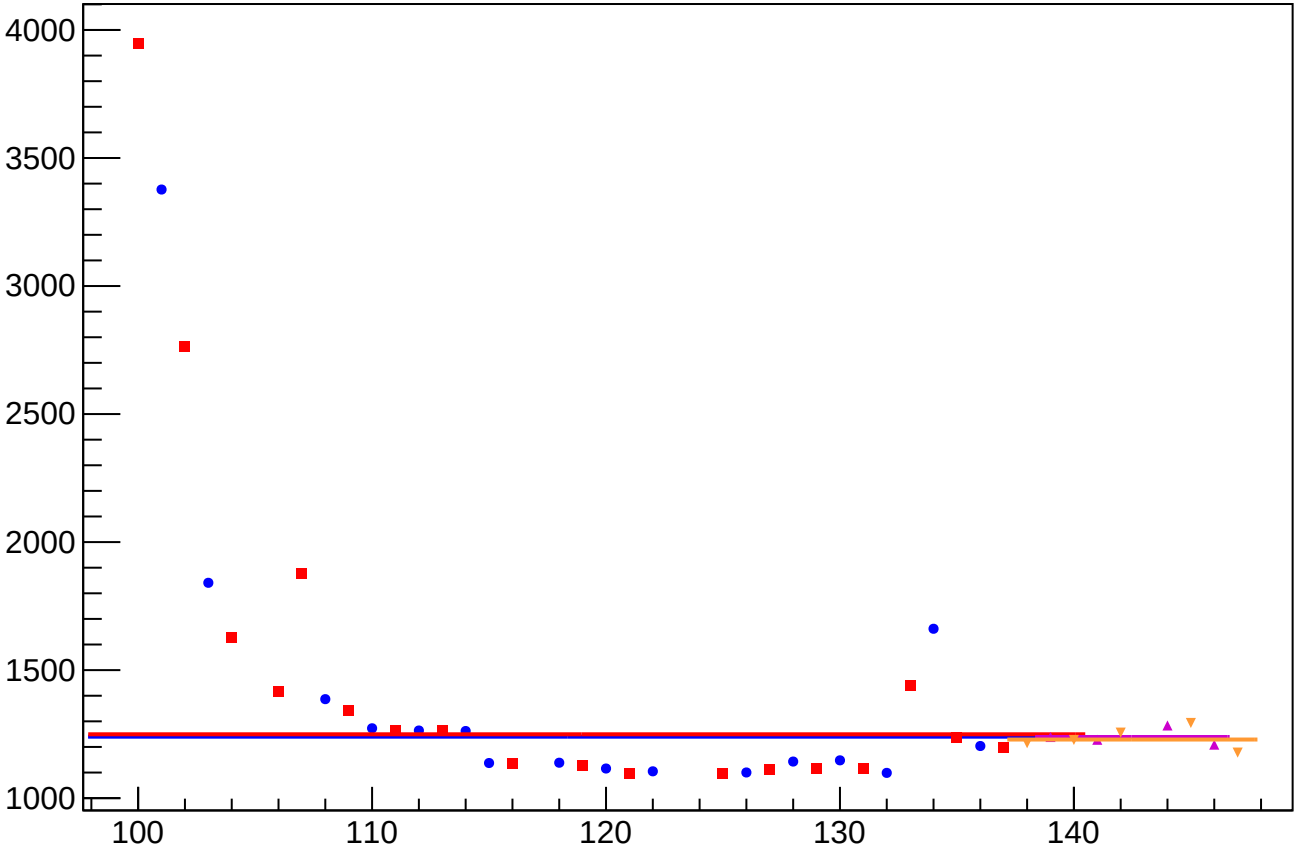
Left In: -892.918+/-659.221 χ^2/NDF:2.0/3

+ sign 48.301+/-380.953 χ^2/NDF: 17.9/20

All: -59.180+/-271.446 χ^2/NDF: 32.8/42

- sign -170.032+/-386.880 χ^2/NDF: 14.8/21

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.918+/-0.452 χ^2/NDF:7800.5/4

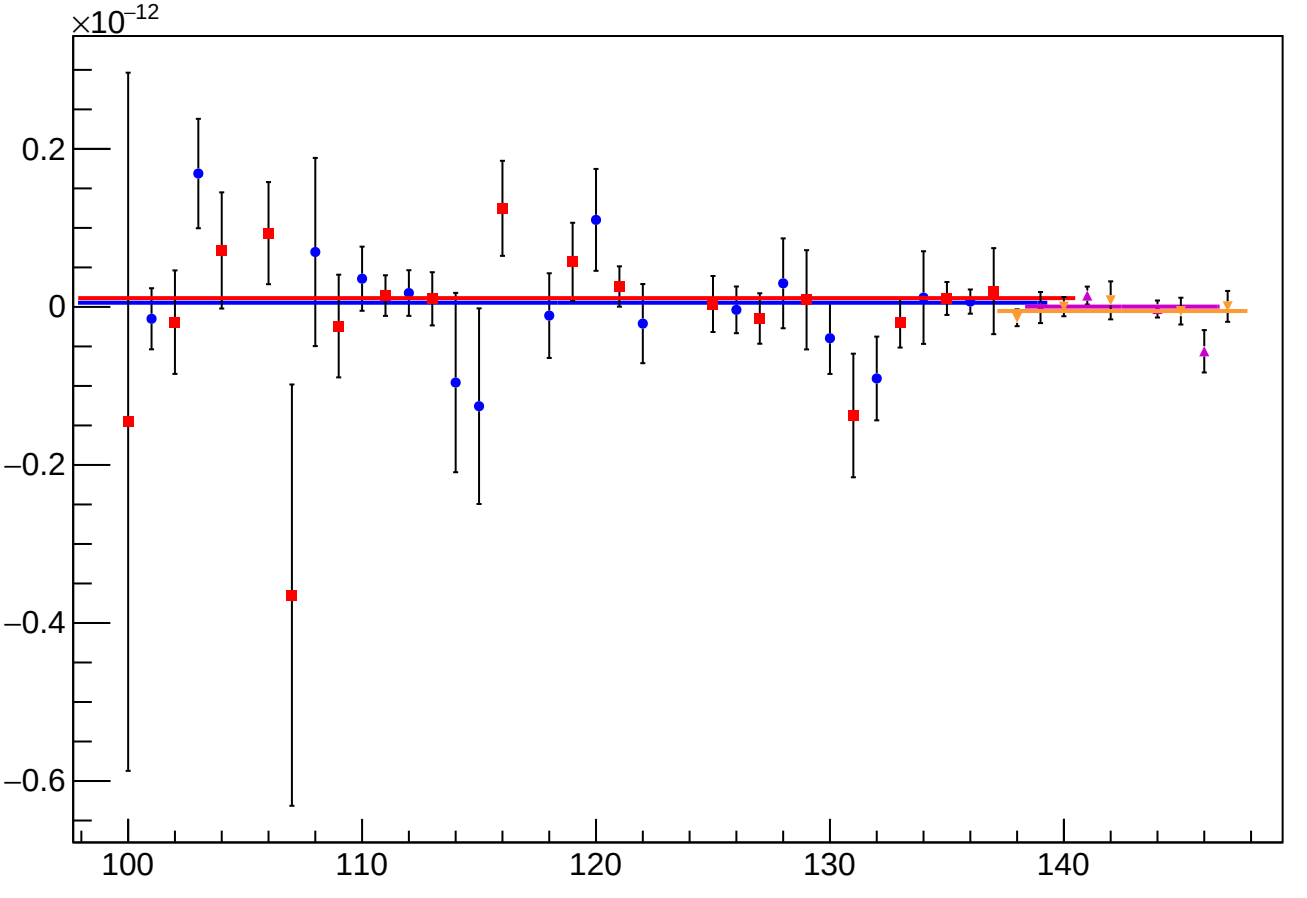
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1238.791+/-0.466 χ^2/NDF:3450.8/3

\+ sign 1236.149+/-0.269 χ^2/NDF: 790877.9/20

All: 1240.877+/-0.192 χ^2/NDF: 1401393.9/42

\- sign 1245.753+/-0.274 χ^2/NDF: 609890.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

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

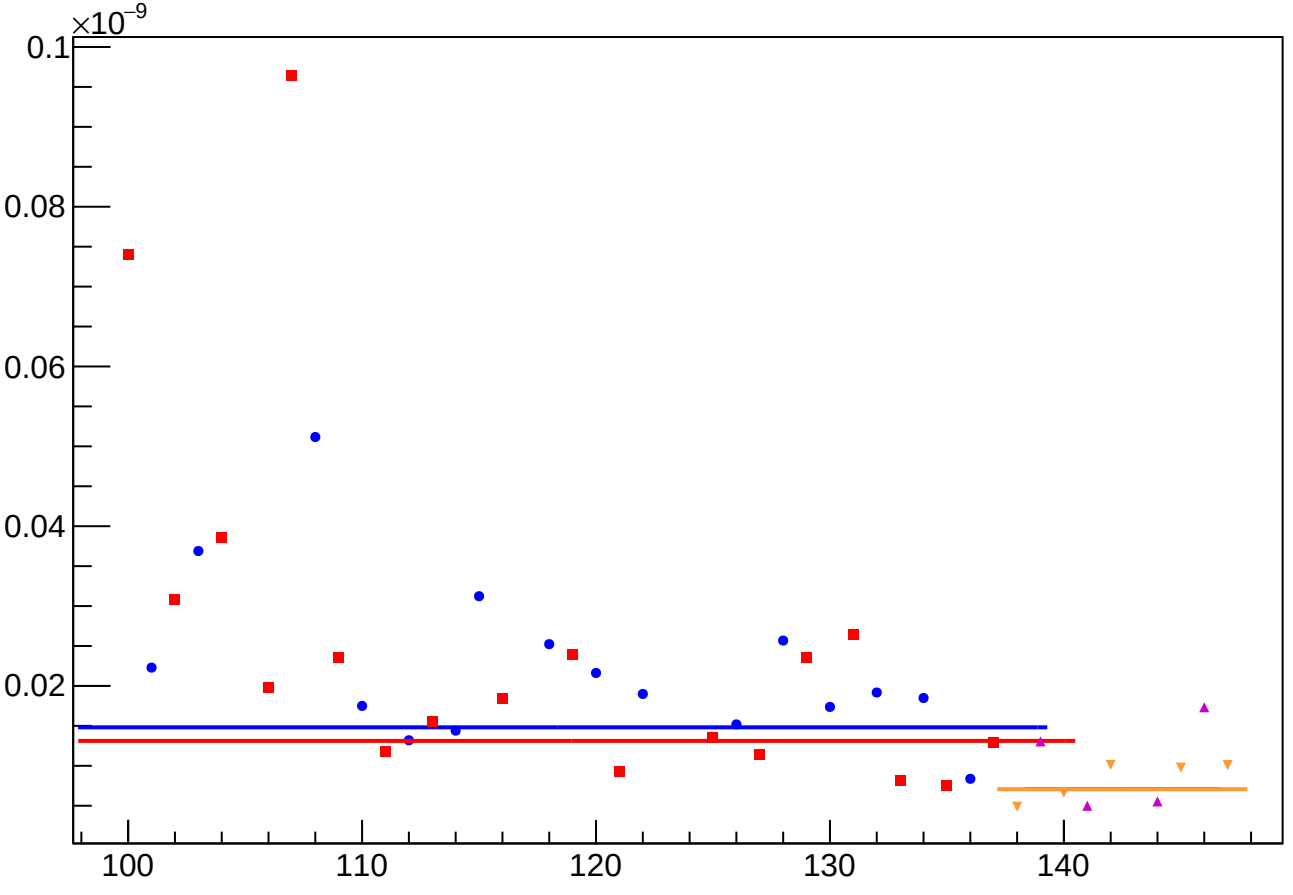
Left In: 0.000+/-0.000 χ^2/NDF:6.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/20

All: 0.000+/-0.000 χ^2/NDF: 41.0/42

- sign 0.000+/-0.000 χ^2/NDF: 21.9/21

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:218045.8/4

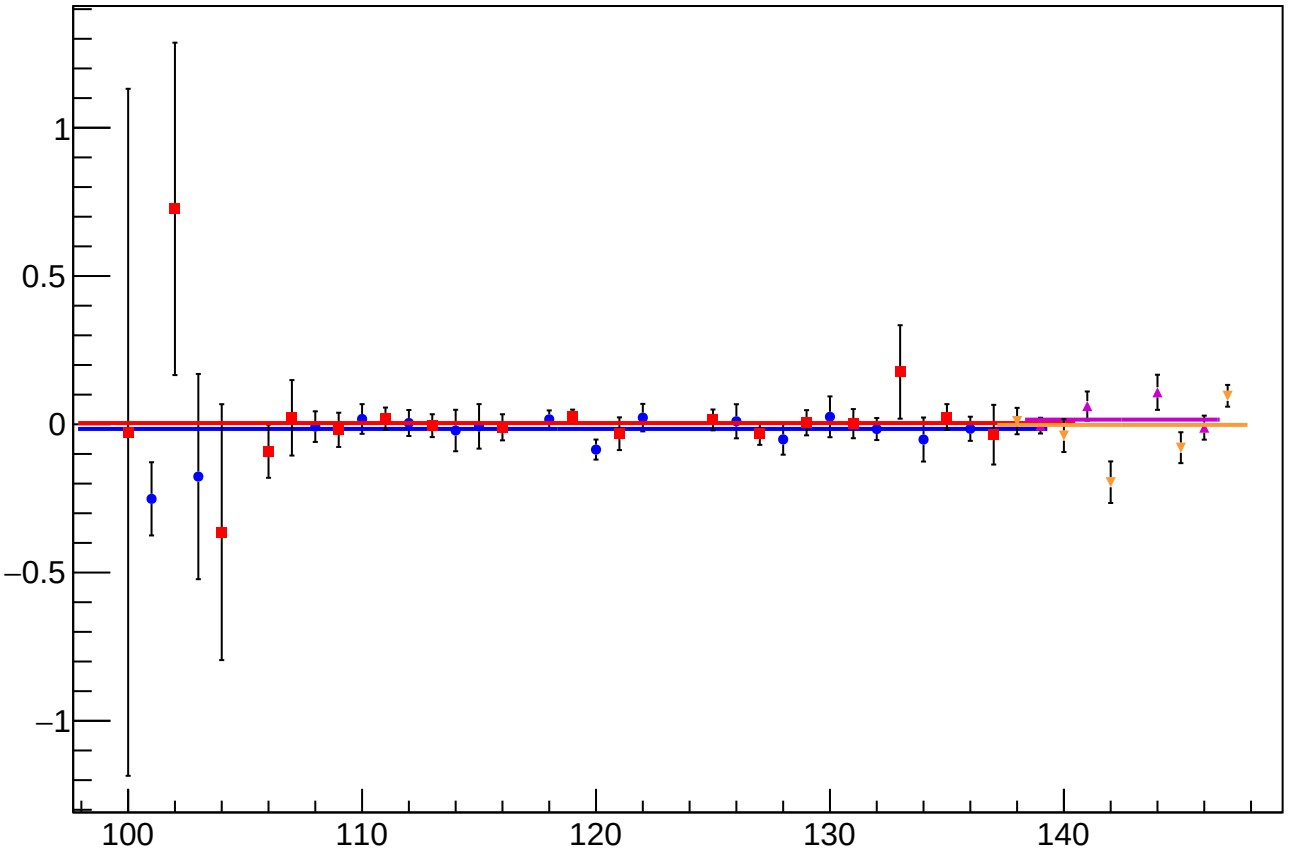
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:585668.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2181716.4/20

All: 0.000+/-0.000 χ^2/NDF: 4482508.4/42

- sign 0.000+/-0.000 χ^2/NDF: 2298595.8/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

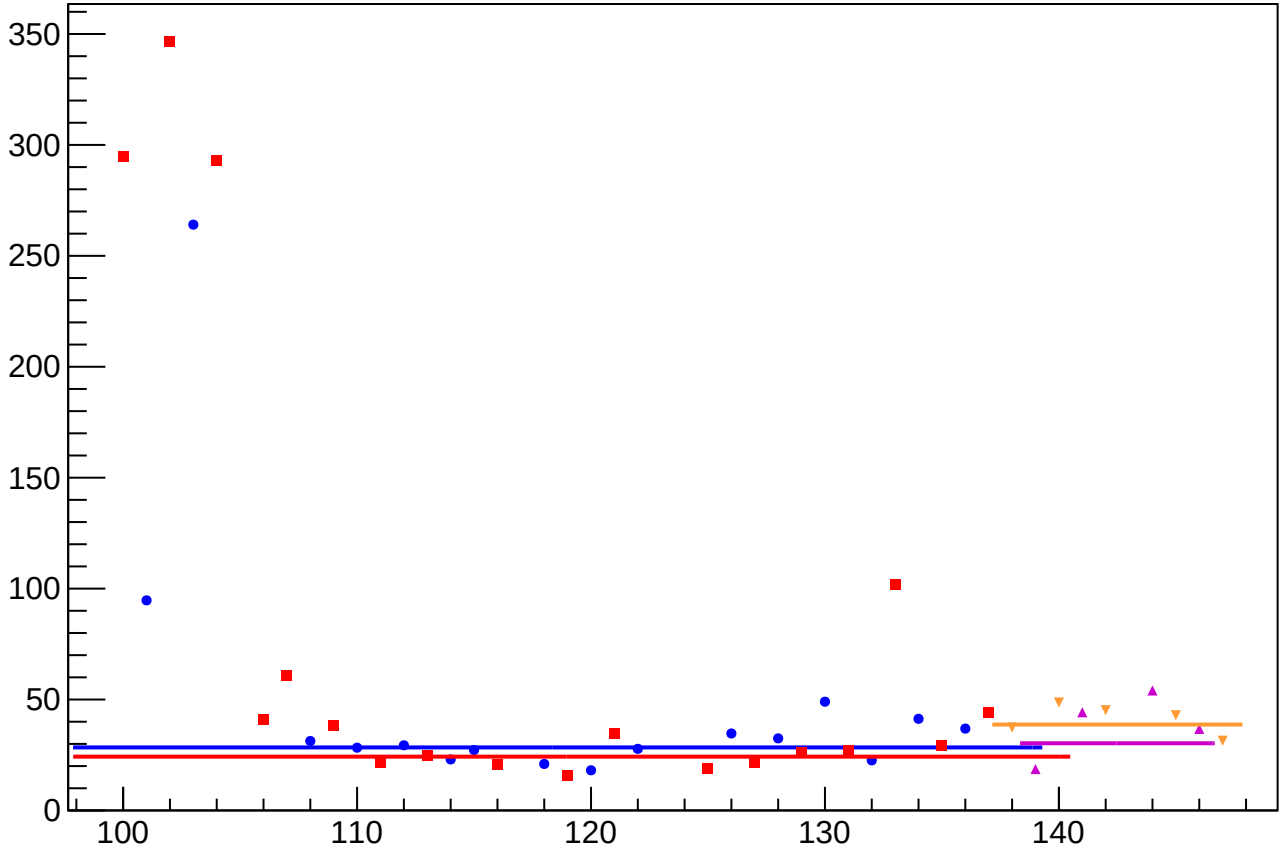
Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

\+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.002+/-0.007 χ^2/NDF: 43.9/42

\- sign 0.007+/-0.010 χ^2/NDF: 12.4/21

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.726+/-0.015 χ^2/NDF:174662.3/4

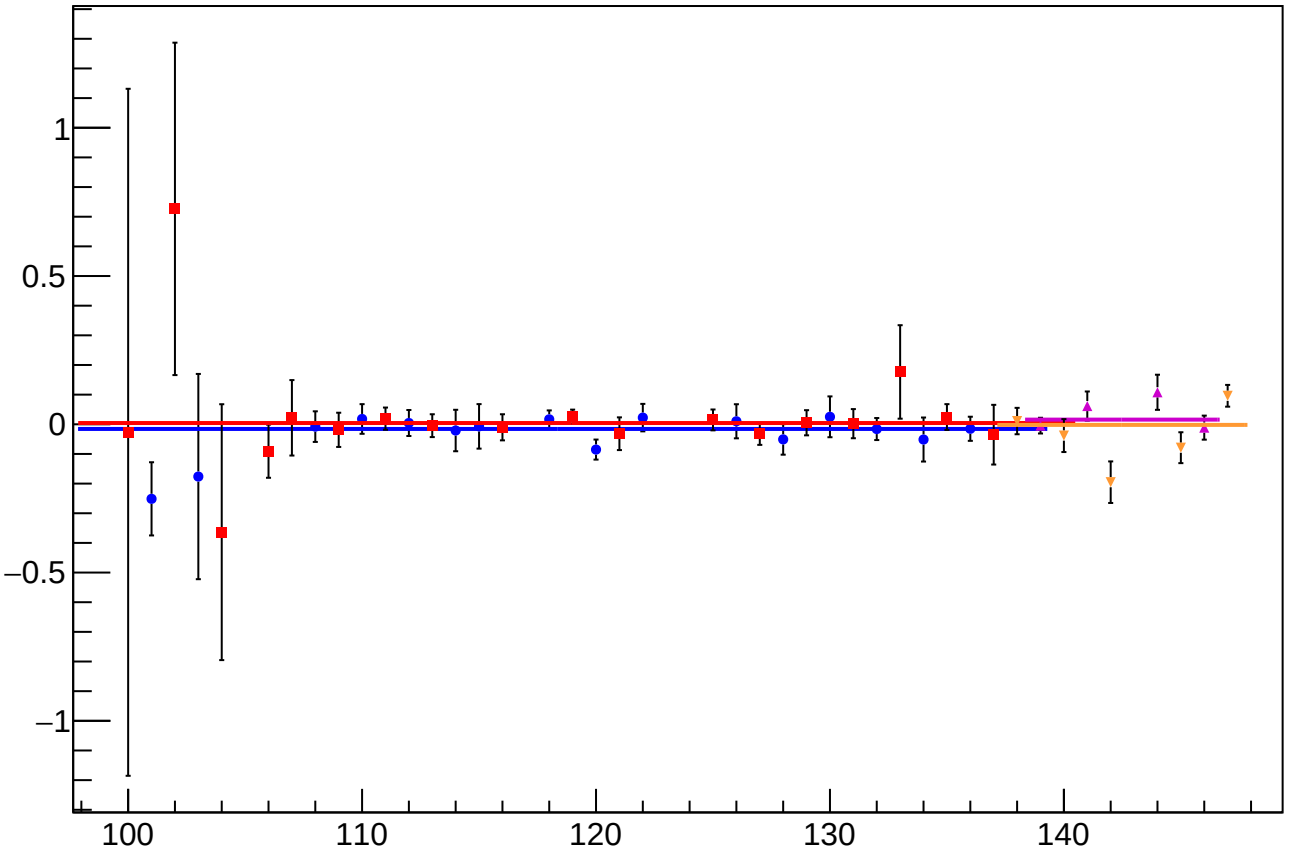
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

+ sign 30.940+/-0.008 χ^2/NDF: 2764704.1/20

All: 28.175+/-0.005 χ^2/NDF: 6991774.1/42

- sign 25.844+/-0.007 χ^2/NDF: 3980579.4/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

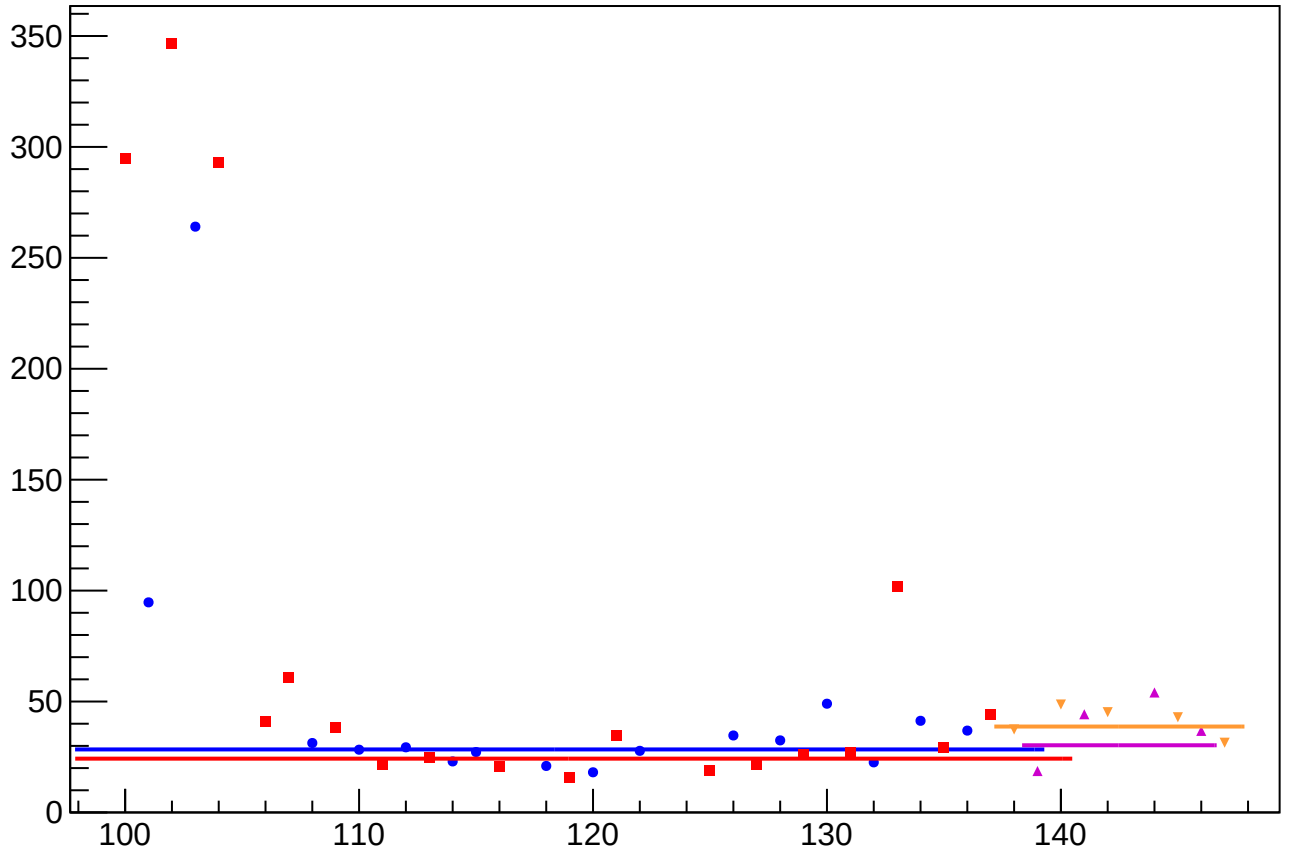
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.002+/-0.007 χ^2/NDF: 43.9/42

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.726+/-0.015 χ^2/NDF:174662.3/4

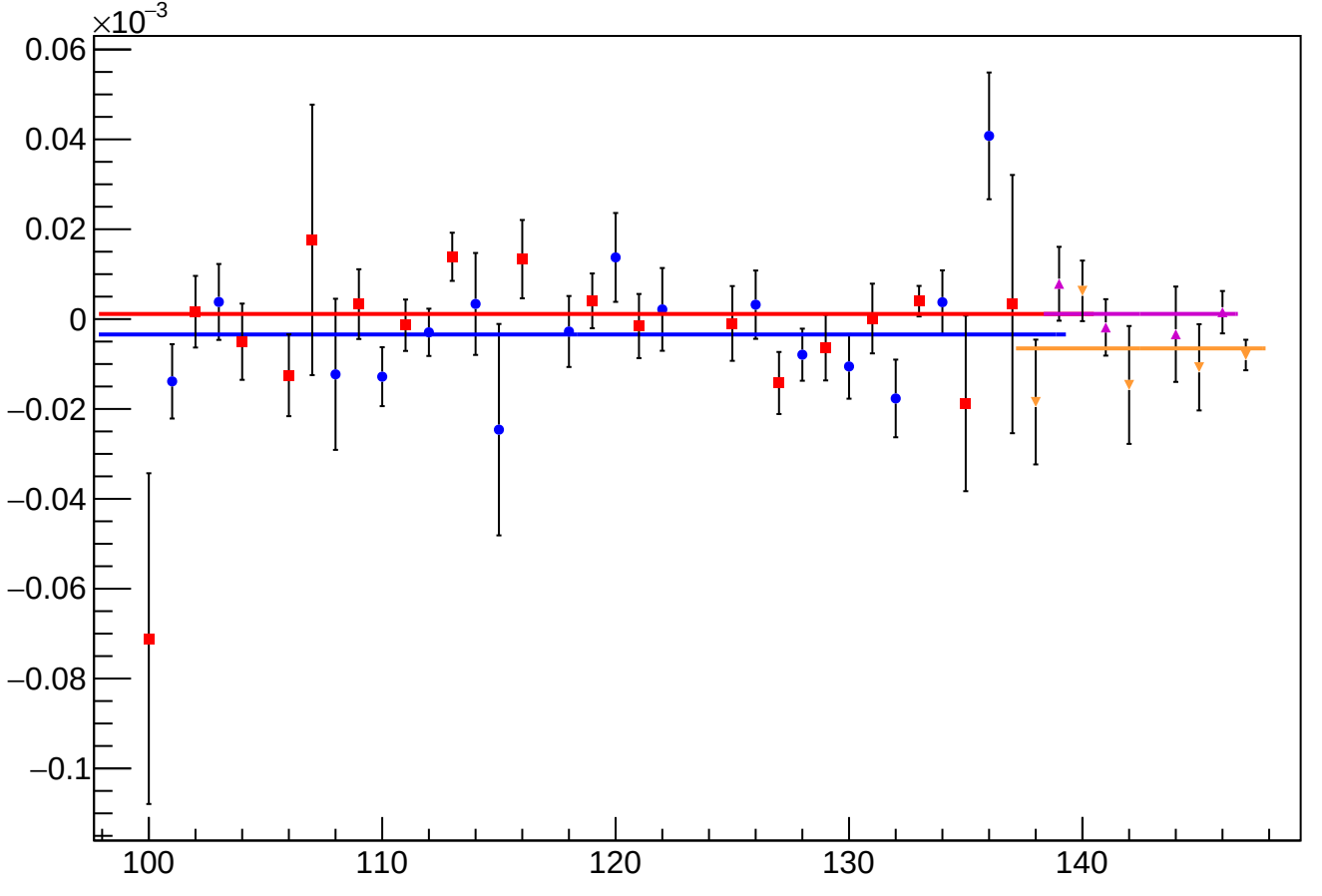
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

+ sign 30.940+/-0.008 χ^2/NDF: 2764704.1/20

All: 28.175+/-0.005 χ^2/NDF: 6991774.1/42

- sign 25.844+/-0.007 χ^2/NDF: 3980579.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/4

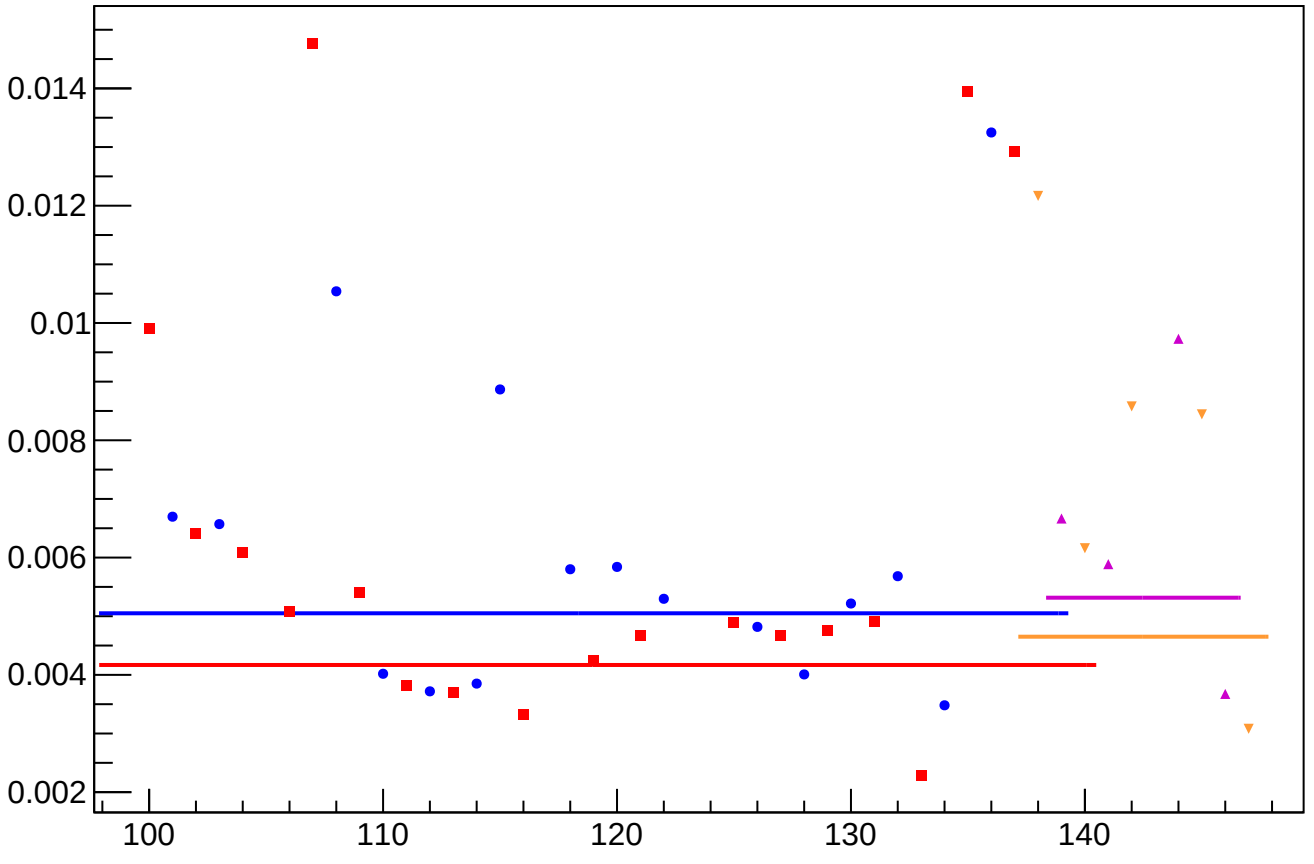
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/20

All: -0.000+/-0.000 χ^2/NDF: 61.6/42

- sign 0.000+/-0.000 χ^2/NDF: 24.1/21



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1605166.4/4

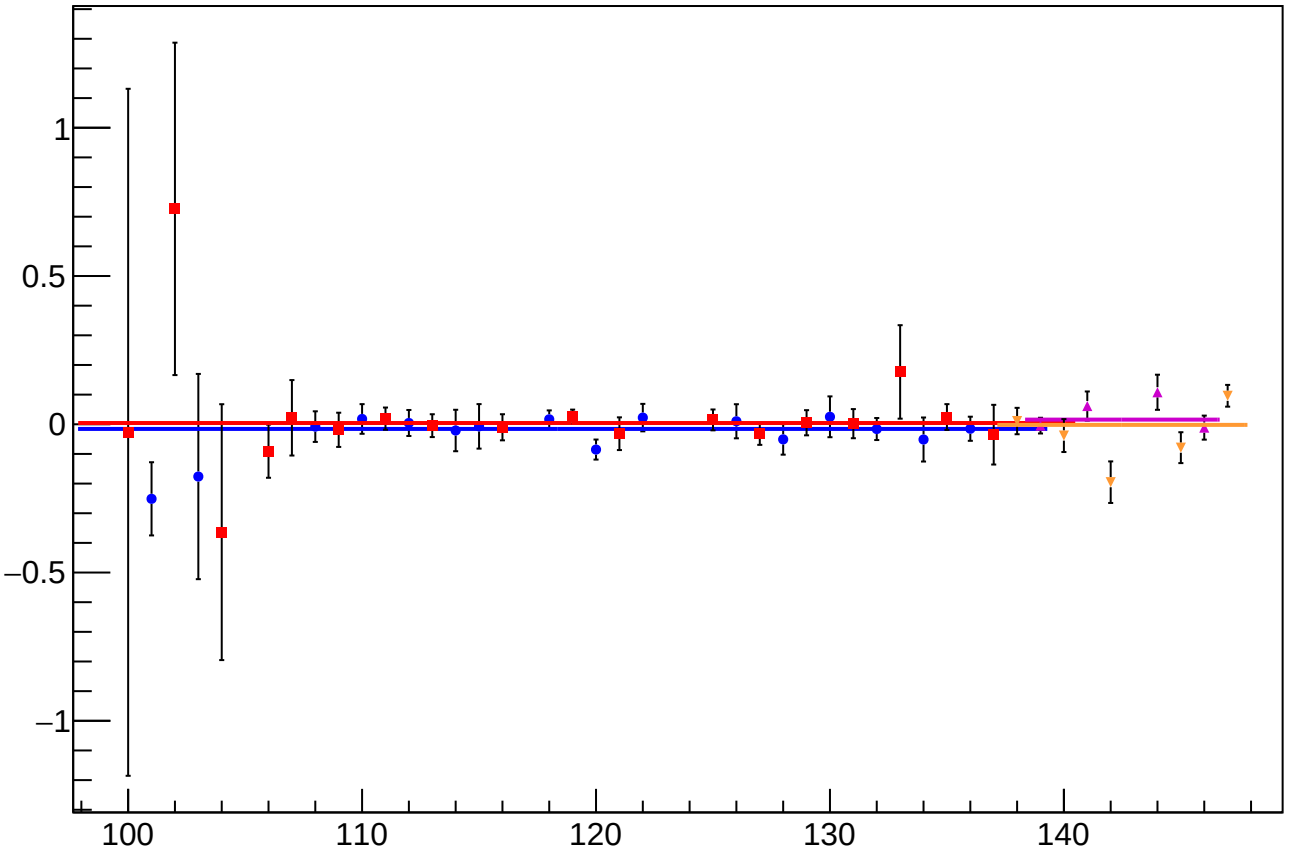
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.005+/-0.000 χ^2/NDF:658848.6/3

+ sign 0.005+/-0.000 χ^2/NDF: 3126497.0/20

All: 0.005+/-0.000 χ^2/NDF: 6122133.2/42

- sign 0.004+/-0.000 χ^2/NDF: 2895428.9/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

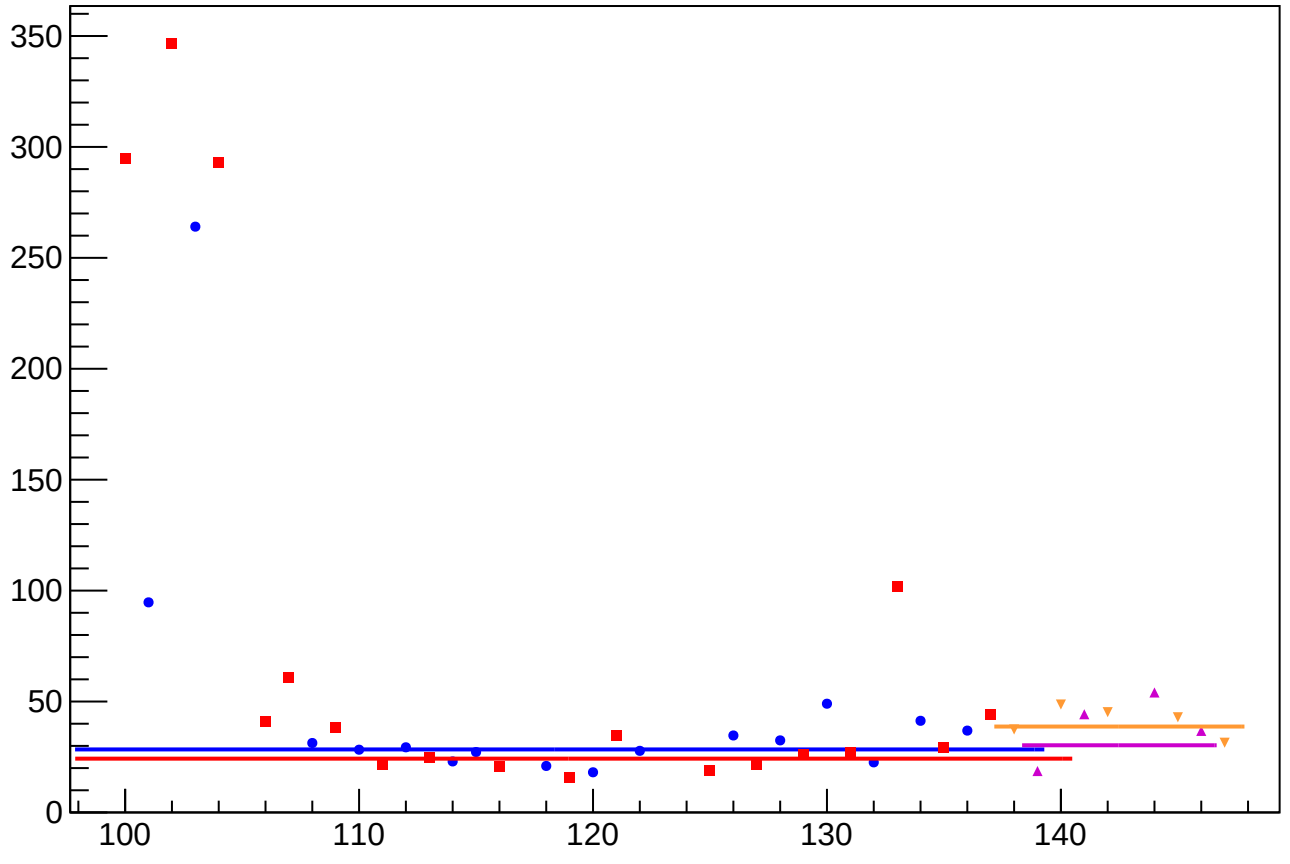
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.002+/-0.007 χ^2/NDF: 43.9/42

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.725+/-0.015 χ^2/NDF:174746.7/4

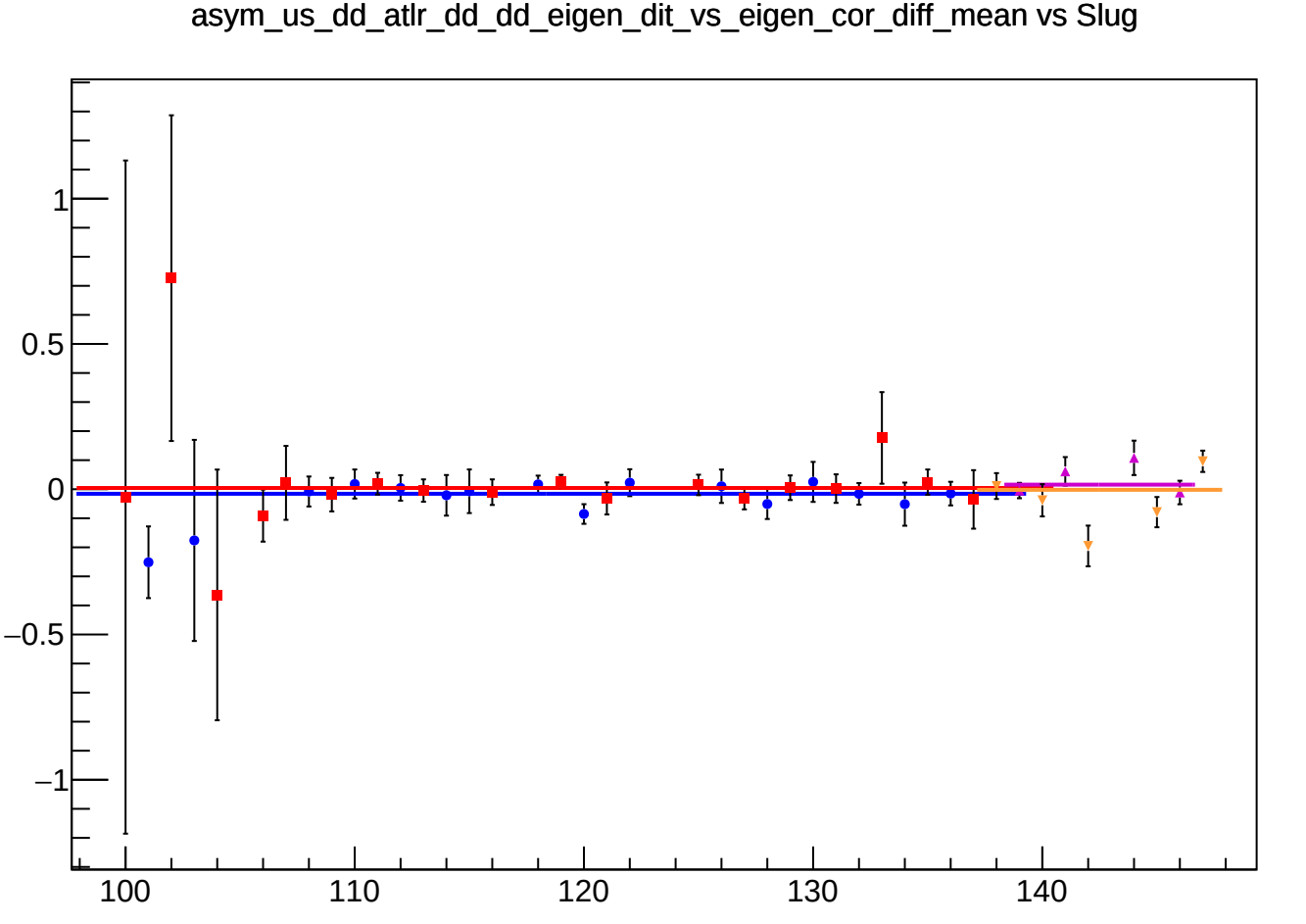
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

+ sign 30.939+/-0.008 χ^2/NDF: 2764744.5/20

All: 28.173+/-0.005 χ^2/NDF: 6992438.7/42

- sign 25.842+/-0.007 χ^2/NDF: 3981033.2/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

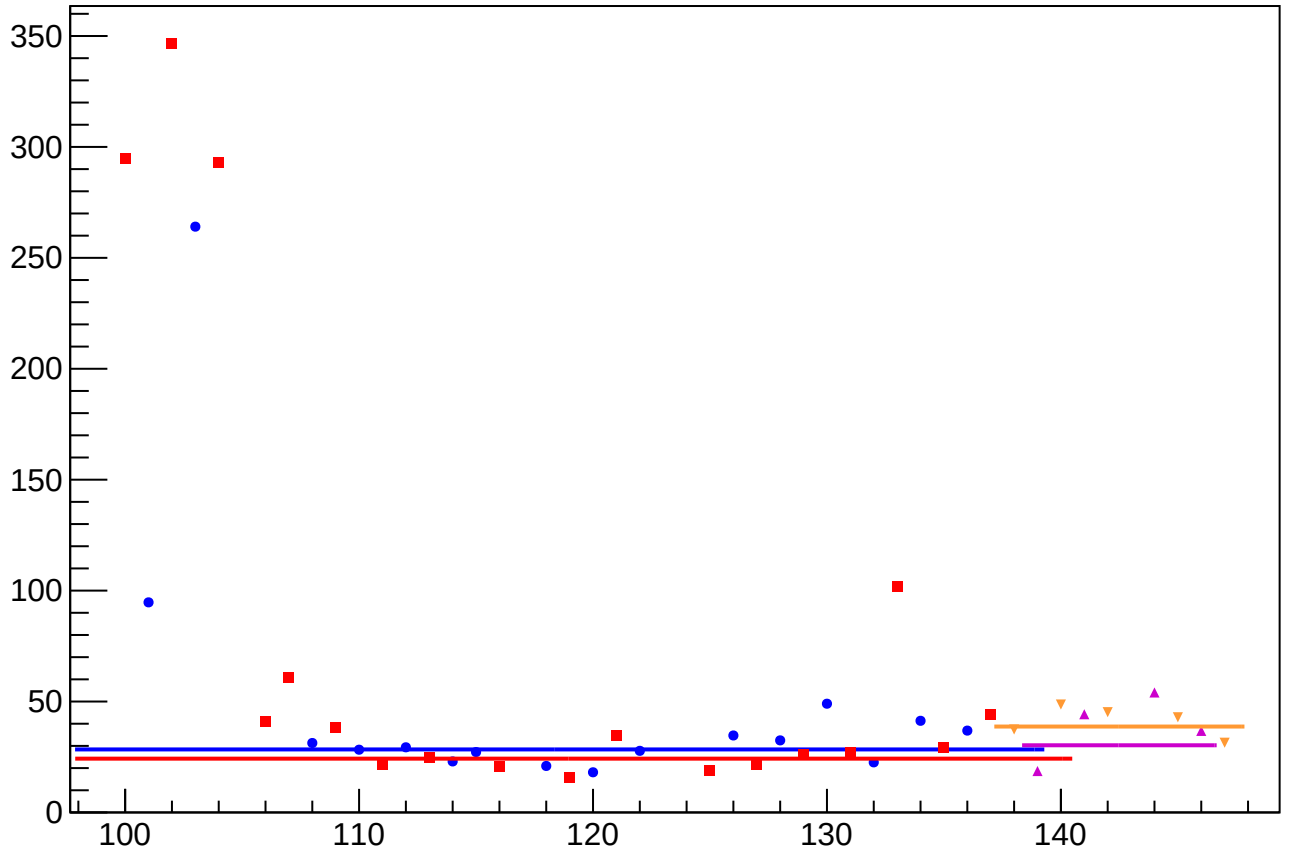
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.002+/-0.007 χ^2/NDF: 43.9/42

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.725+/-0.015 χ^2/NDF:174746.7/4

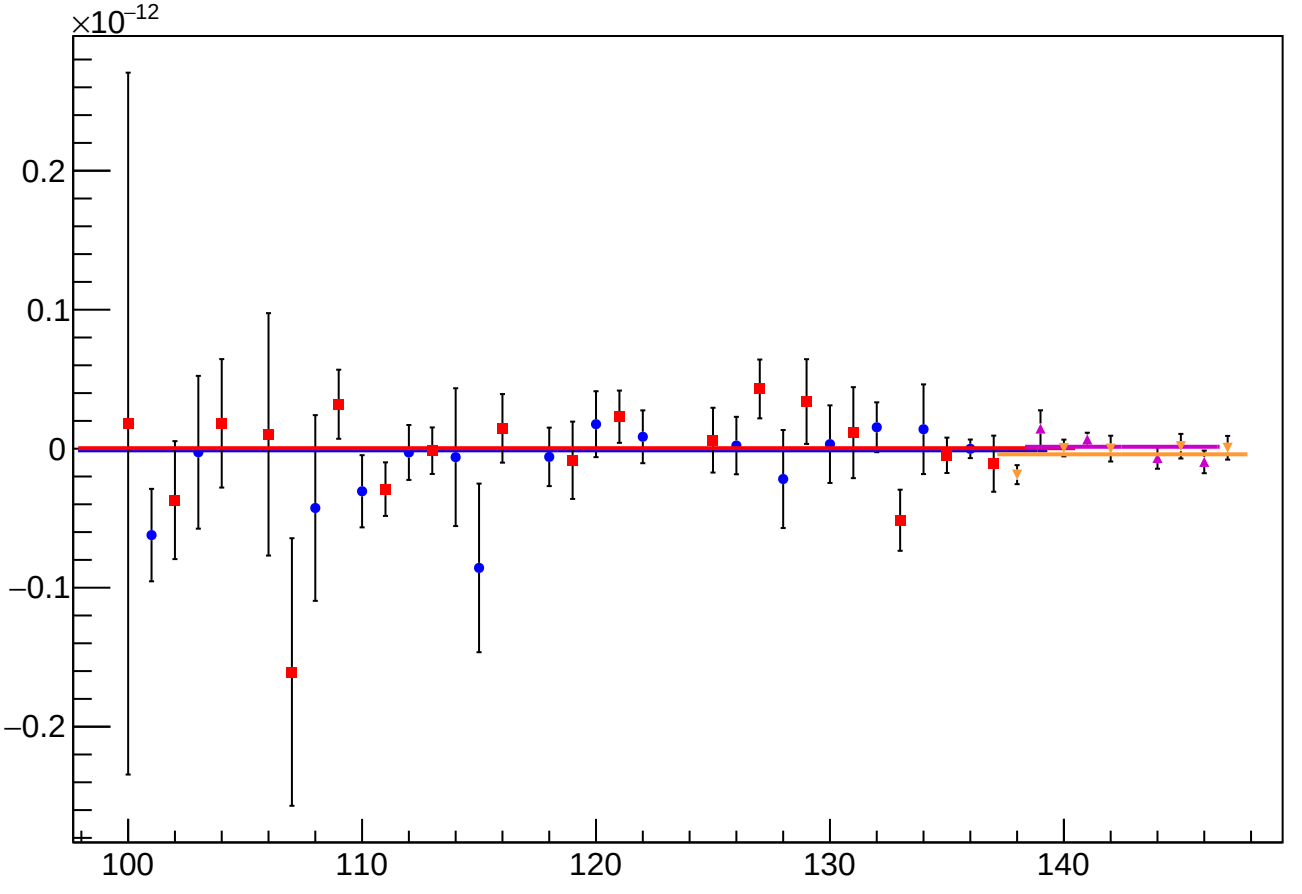
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

+ sign 30.939+/-0.008 χ^2/NDF: 2764744.5/20

All: 28.173+/-0.005 χ^2/NDF: 6992438.7/42

- sign 25.842+/-0.007 χ^2/NDF: 3981033.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/4

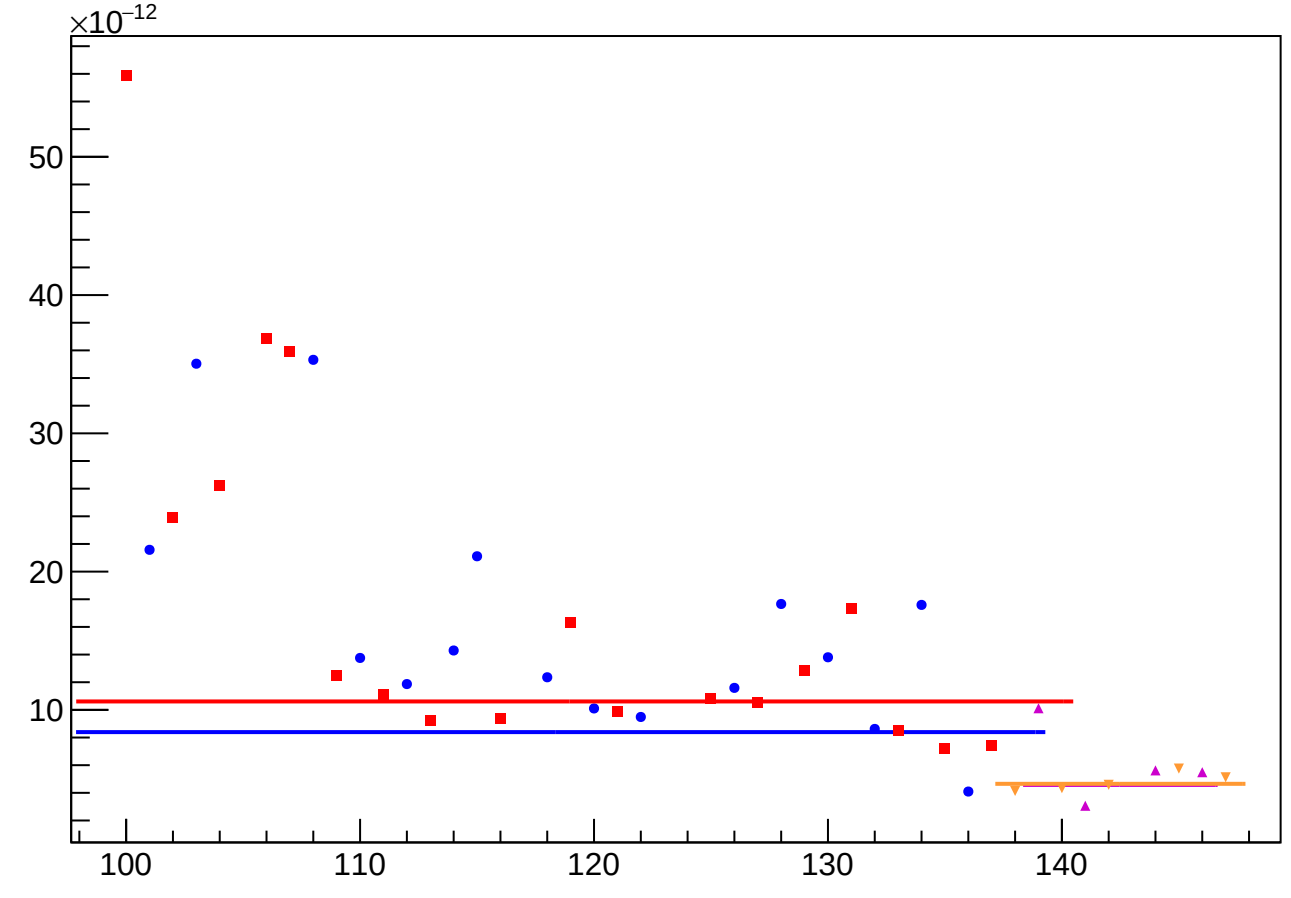
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.9/42

- sign 0.000+/-0.000 χ^2/NDF: 26.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:54120.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

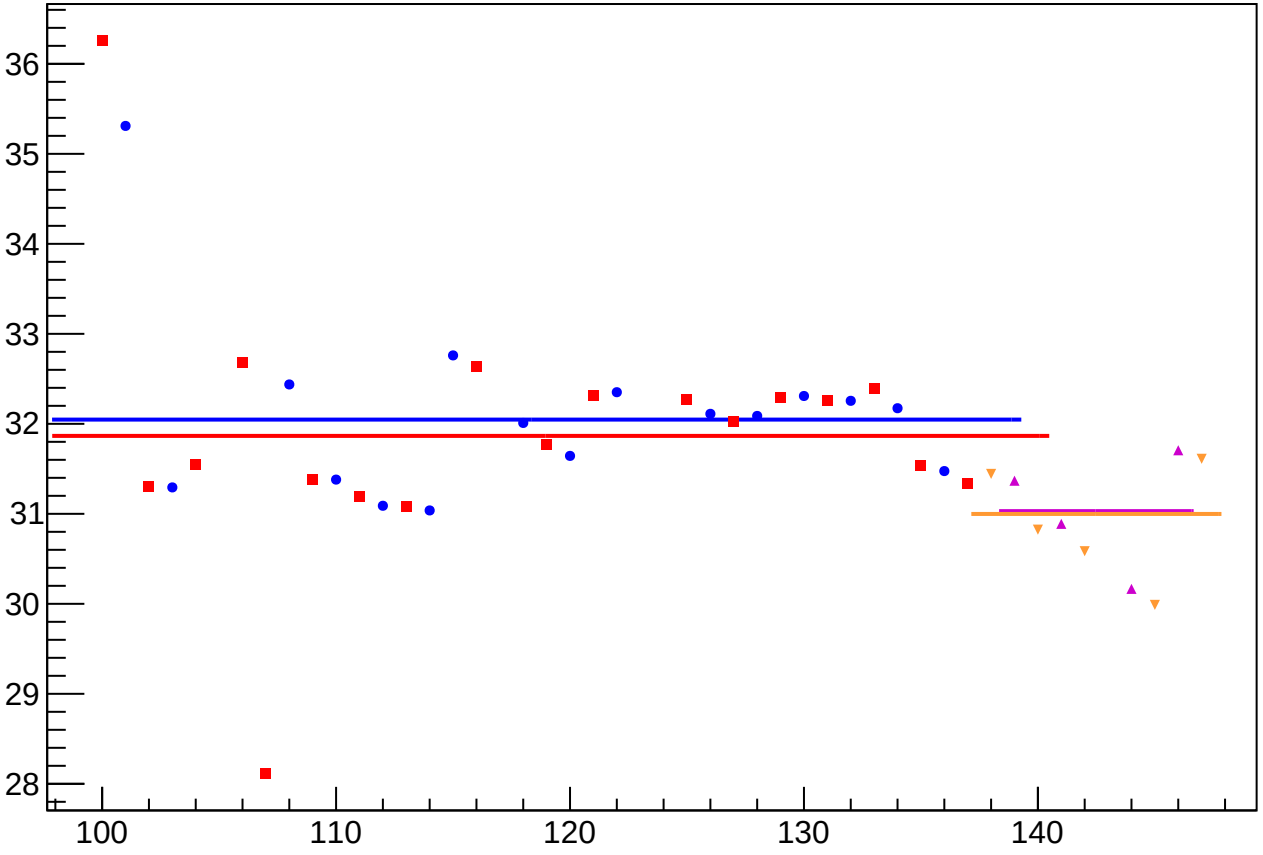
Left In: 0.000+/-0.000 χ^2/NDF:610853.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3579961.6/20

All: 0.000+/-0.000 χ^2/NDF: 7097453.7/42

- sign 0.000+/-0.000 χ^2/NDF: 3499544.2/21

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.999+/-0.000 χ^2/NDF:157540563.7/4

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

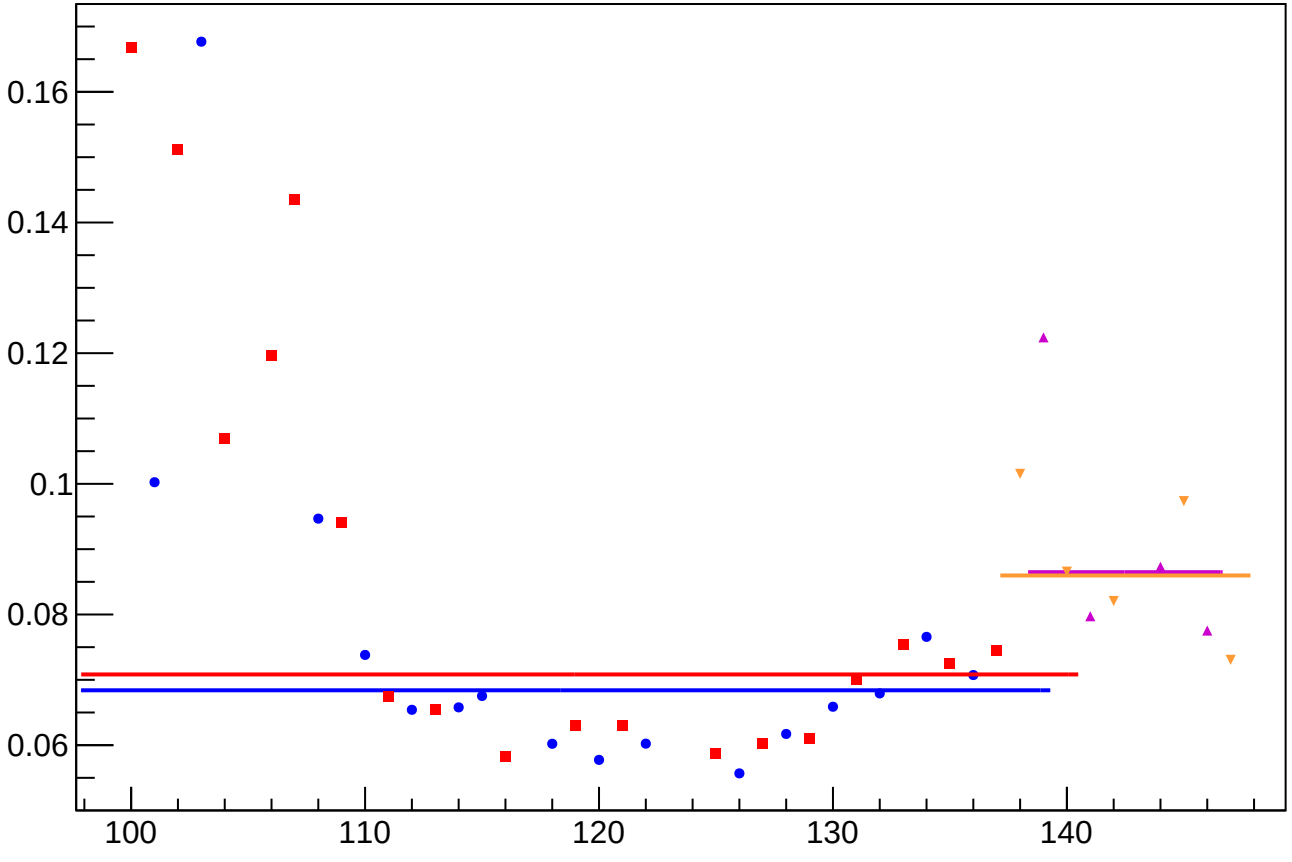
Left In: 31.030+/-0.000 χ^2/NDF:147256950.5/3

+ sign 31.789+/-0.000 χ^2/NDF: 1417941546.1/20

All: 31.727+/-0.000 χ^2/NDF: 2279878594.9/4

- sign 31.659+/-0.000 χ^2/NDF: 847552350.1/21

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.086+/-0.000 χ^2/NDF:102462.7/4

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

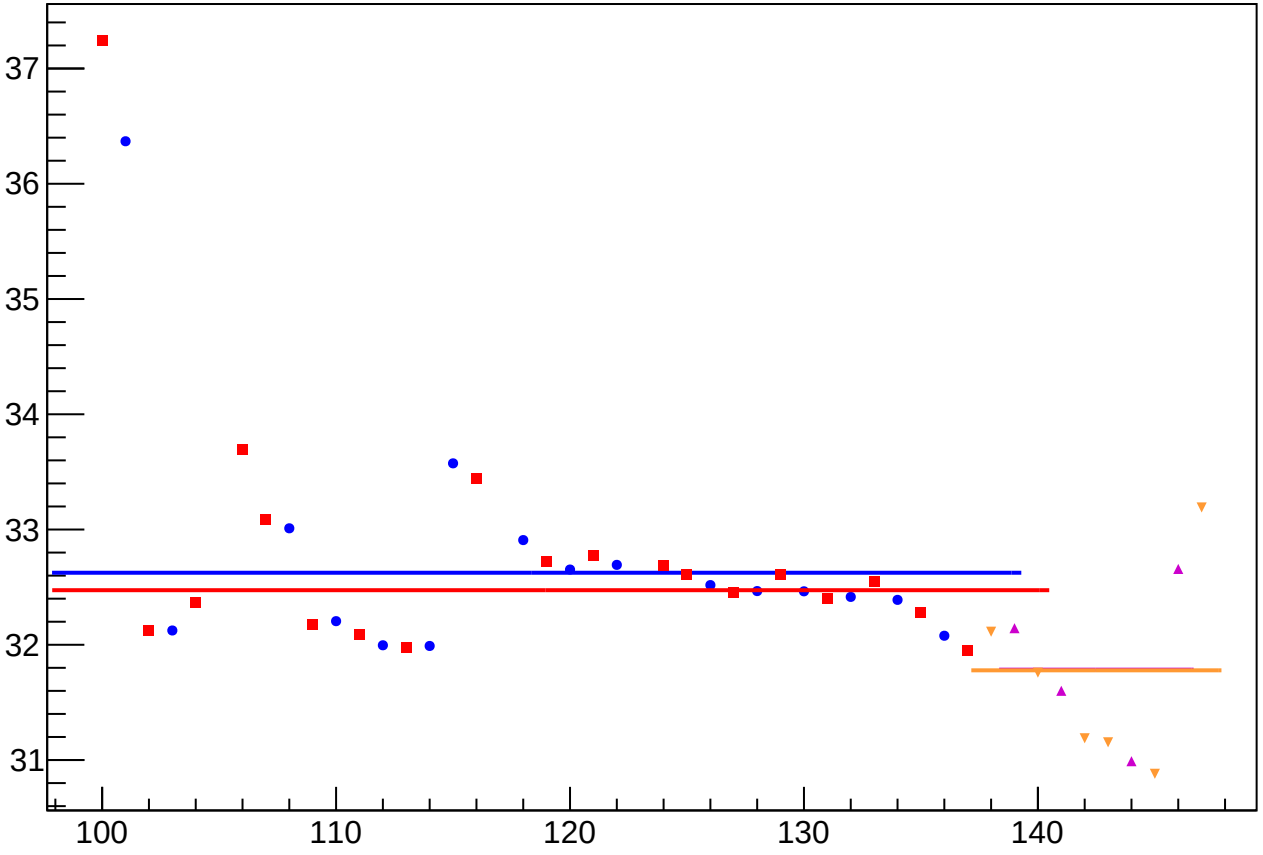
Left In: 0.086+/-0.000 χ^2/NDF:167710.7/3

+ sign 0.073+/-0.000 χ^2/NDF: 1008990.4/20

All: 0.074+/-0.000 χ^2/NDF: 2201889.9/42

- sign 0.075+/-0.000 χ^2/NDF: 1186264.2/21

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.778+/-0.000 χ^2/NDF:437066580.8/5

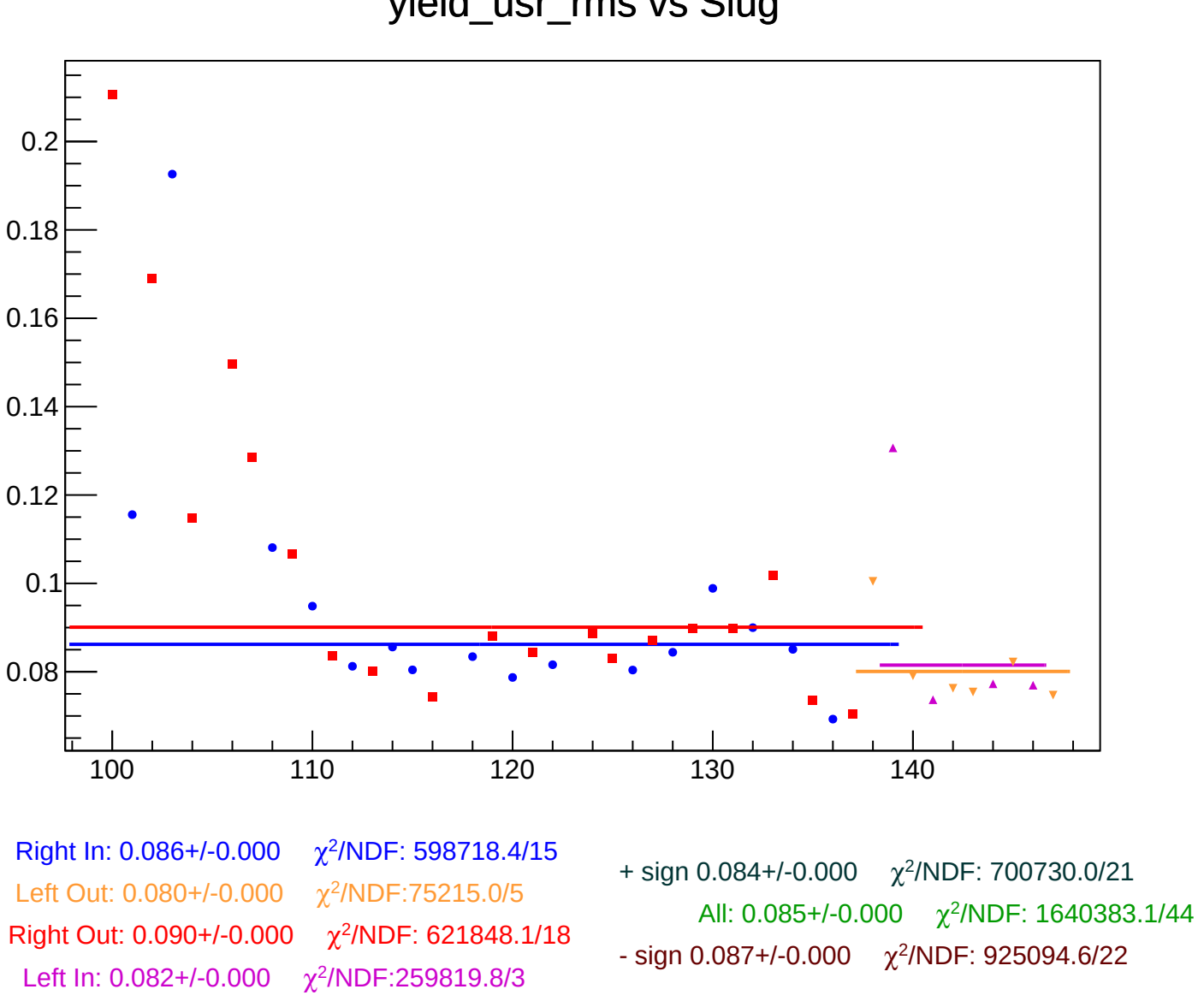
Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.784+/-0.000 χ^2/NDF:202576823.7/3

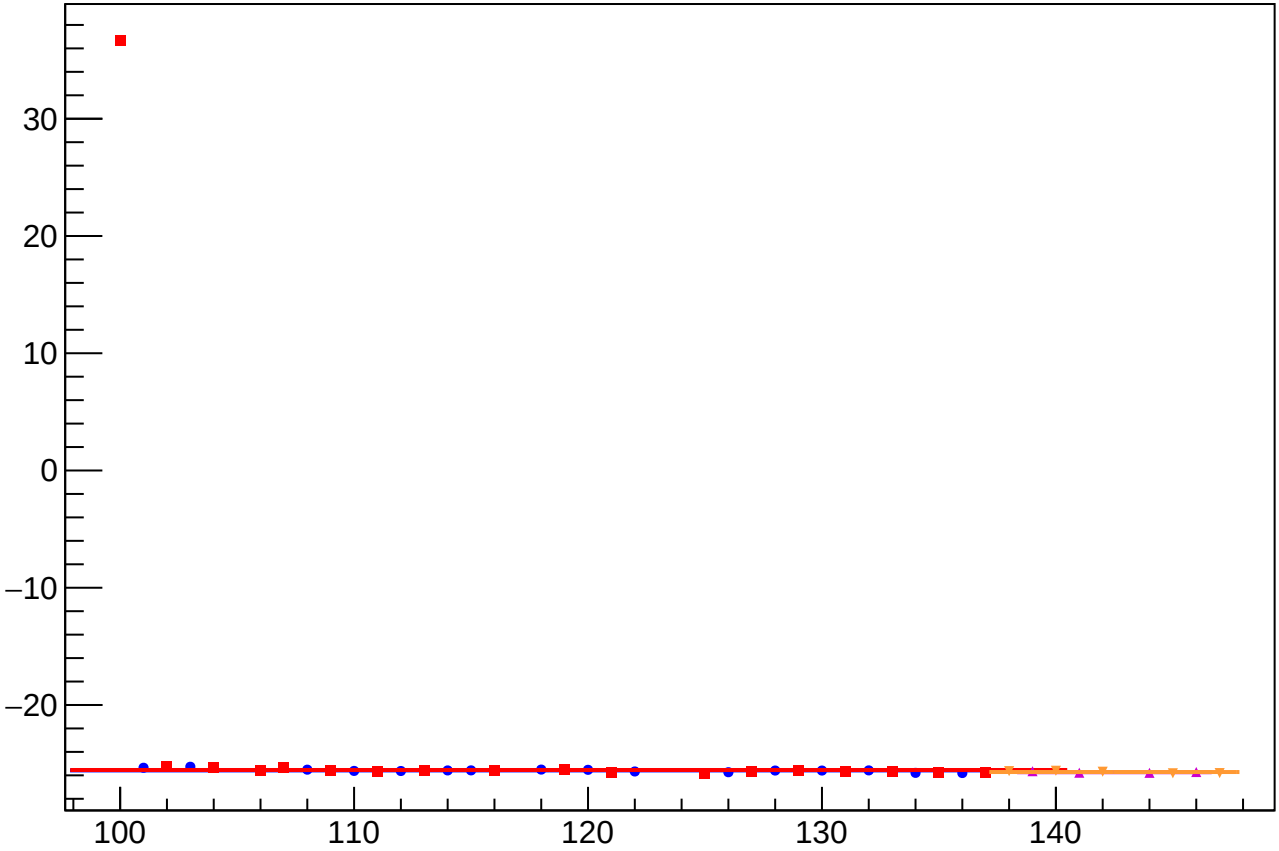
+ sign 32.268+/-0.000 χ^2/NDF: 1431635016.9/21

All: 32.244+/-0.000 χ^2/NDF: 1932935280.9/4

- sign 32.217+/-0.000 χ^2/NDF: 499582014.7/22


yield_usr_rms vs Slug
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
Right In: 0.086+/-0.000 χ²/NDF: 598718.4/15
Left Out: 0.080+/-0.000 χ²/NDF:75215.0/5
Right Out: 0.090+/-0.000 χ²/NDF: 621848.1/18
Left In: 0.082+/-0.000 χ²/NDF:259819.8/3
+ sign 0.084+/-0.000 χ²/NDF: 700730.0/21
All: 0.085+/-0.000 χ²/NDF: 1640383.1/44
- sign 0.087+/-0.000 χ²/NDF: 925094.6/22

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.717+/-0.000 χ^2/NDF:15609436.7/4

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

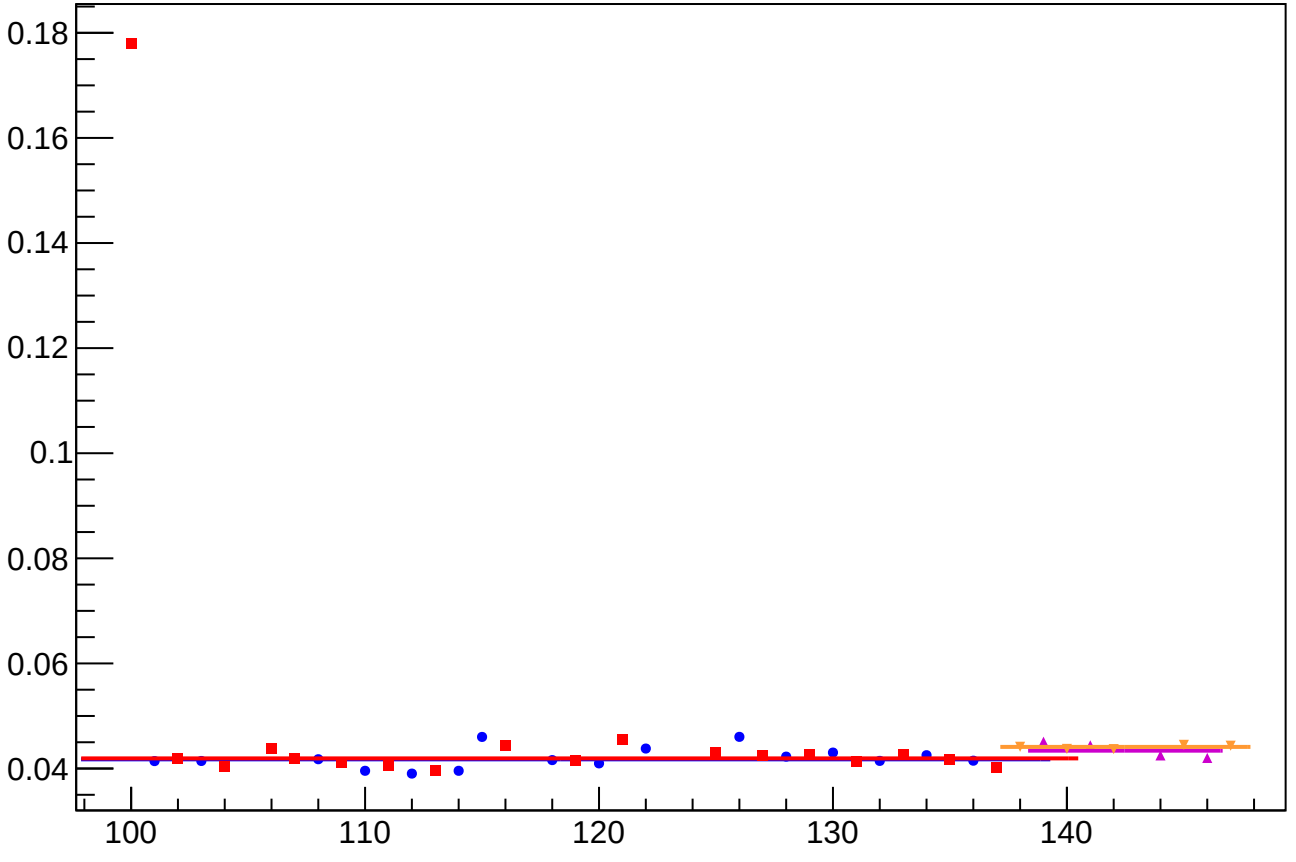
Left In: -25.732+/-0.000 χ^2/NDF:5330596.4/3

+ sign -25.622+/-0.000 χ^2/NDF: 138566065.5/20

All: -25.612+/-0.000 χ^2/NDF: 9098094598.6/

- sign -25.602+/-0.000 χ^2/NDF: 8958330612.5/21

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:375.8/4

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

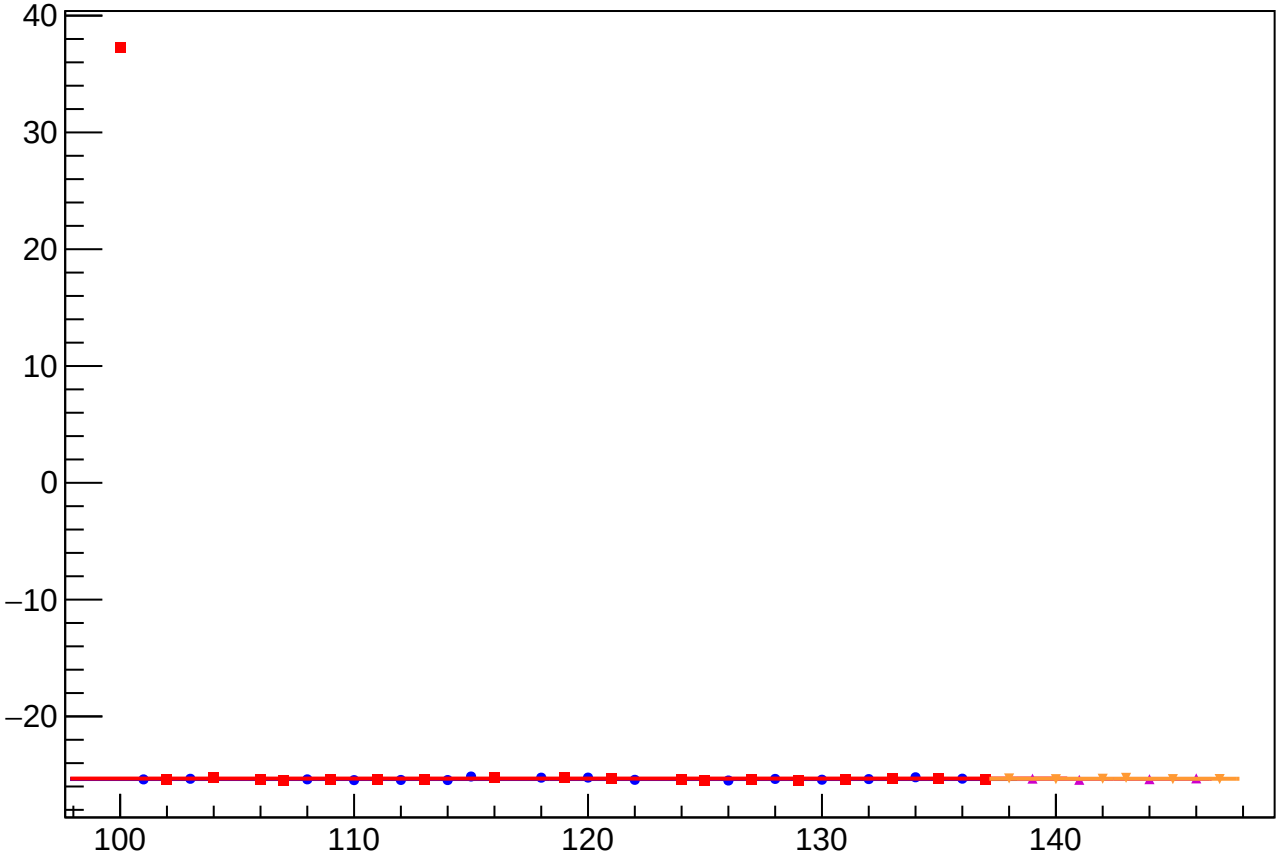
Left In: 0.043+/-0.000 χ^2/NDF:6034.9/3

+ sign 0.042+/-0.000 χ^2/NDF: 35556.6/20

All: 0.042+/-0.000 χ^2/NDF: 147334.6/42

- sign 0.042+/-0.000 χ^2/NDF: 111711.0/21

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.337+/-0.000 χ^2/NDF:2298974.3/5

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

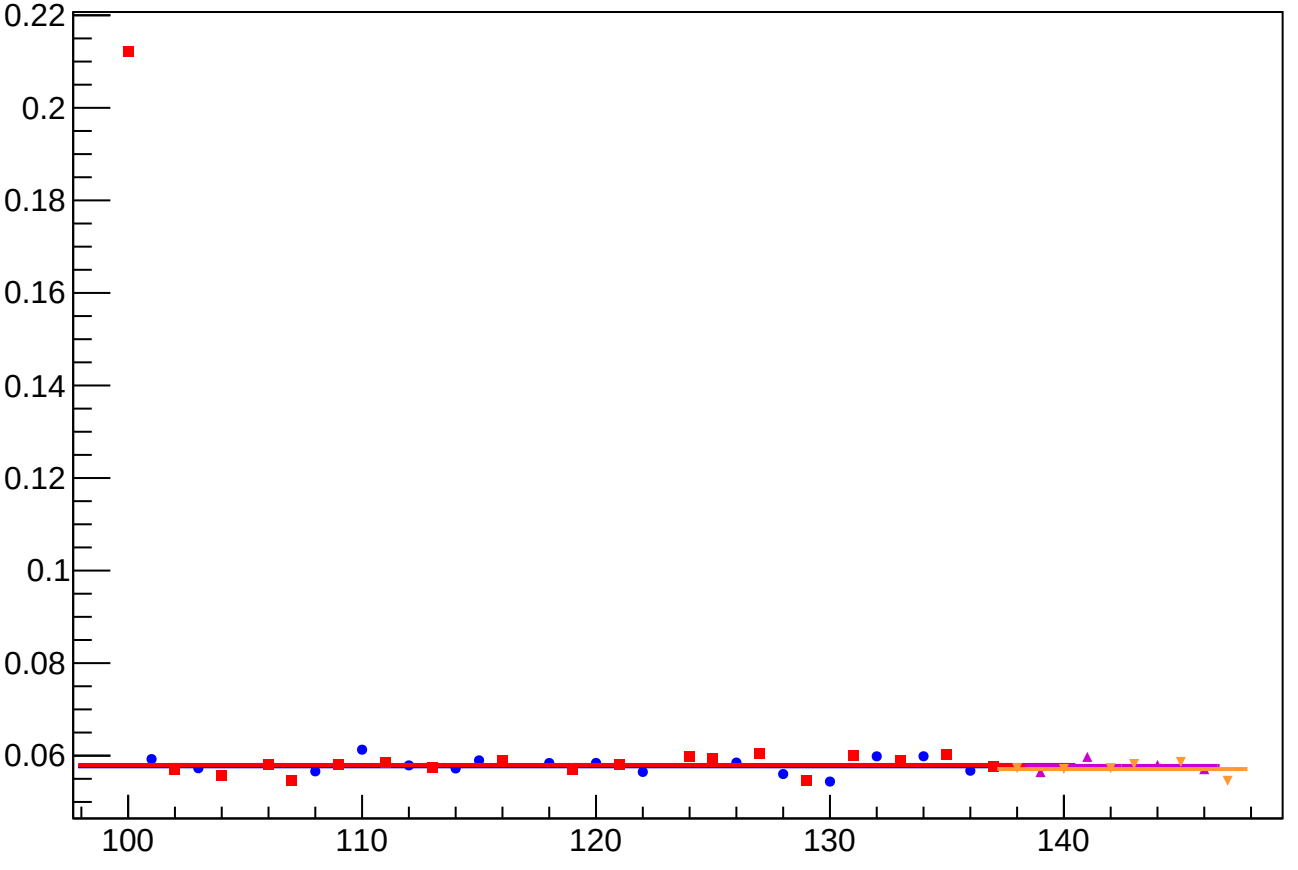
Left In: -25.355+/-0.000 χ^2/NDF:2201347.4/3

+ sign -25.351+/-0.000 χ^2/NDF: 16019391.9/21

All: -25.342+/-0.000 χ^2/NDF: 6334454139.9/

- sign -25.333+/-0.000 χ^2/NDF: 6317871157.1/22

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:5073.4/5

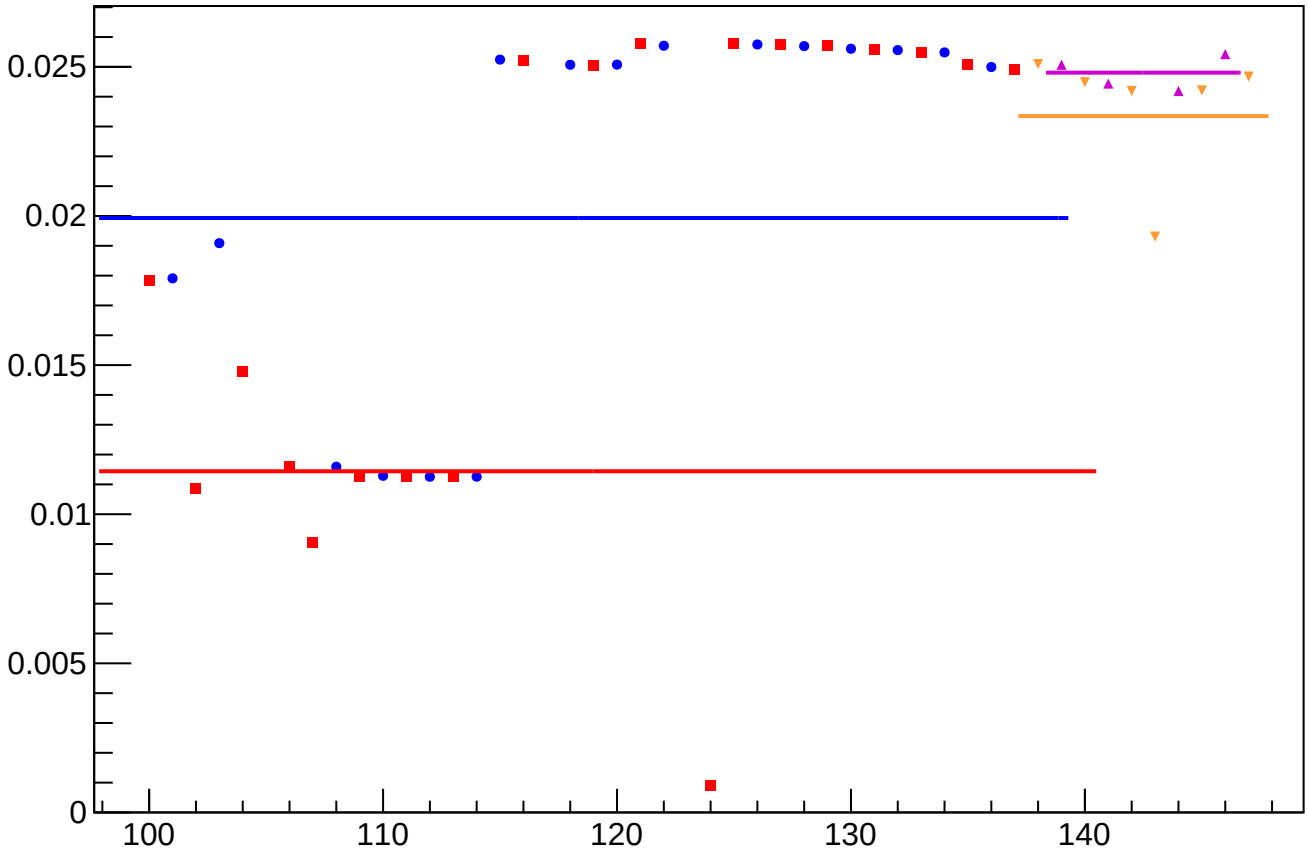
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3013.3/3

+ sign 0.057+/-0.000 χ^2/NDF: 17415.6/21

All: 0.058+/-0.000 χ^2/NDF: 109868.4/44

- sign 0.058+/-0.000 χ^2/NDF: 91760.9/22



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3880796164.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

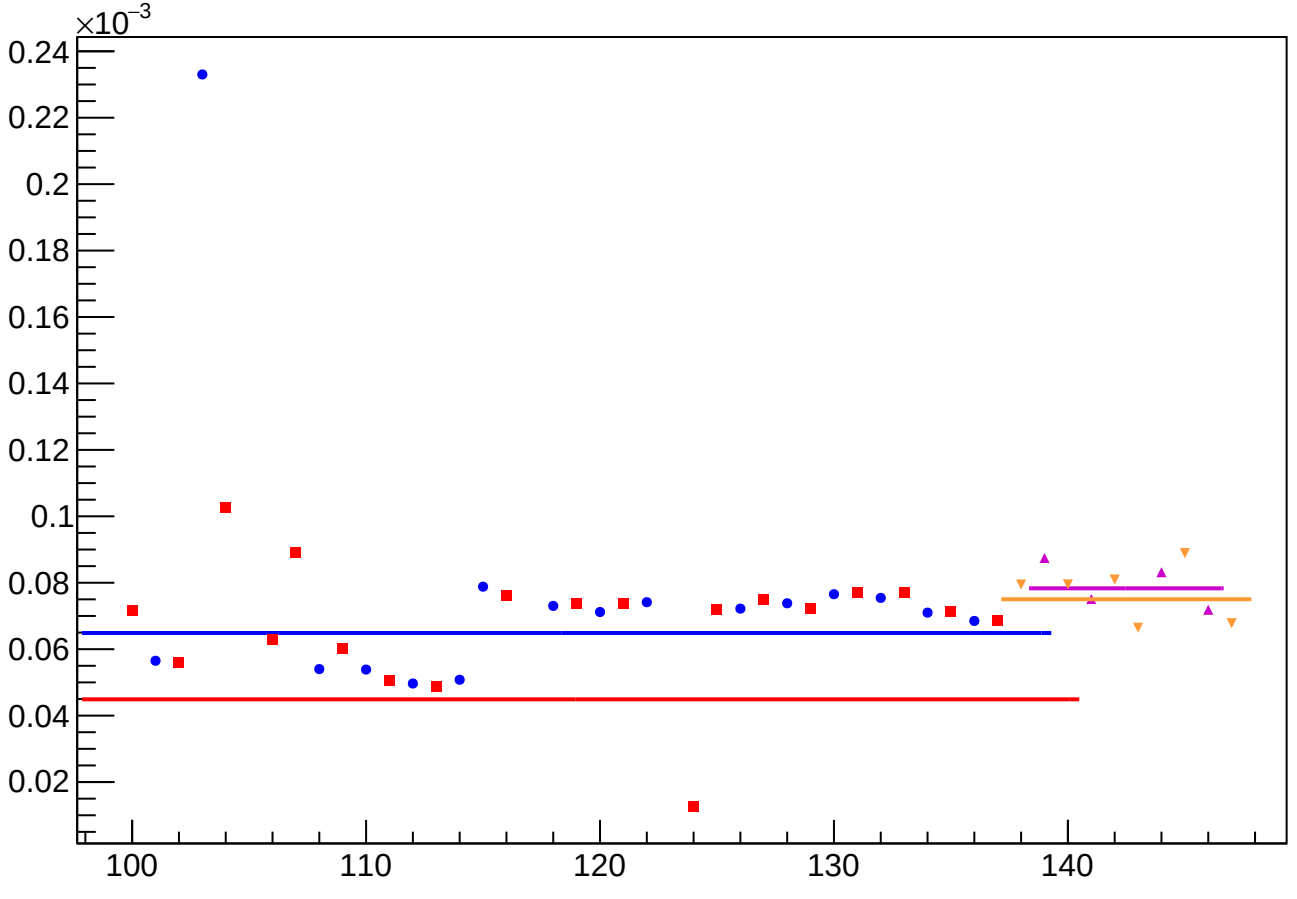
Left In: 0.025+/-0.000 χ^2/NDF:140365775.5/3

+ sign 0.021+/-0.000 χ^2/NDF: 72313005193.6/21

All: 0.017+/-0.000 χ^2/NDF: 475899591797.0

- sign 0.014+/-0.000 χ^2/NDF: 334699791231.5/22

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:97214.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

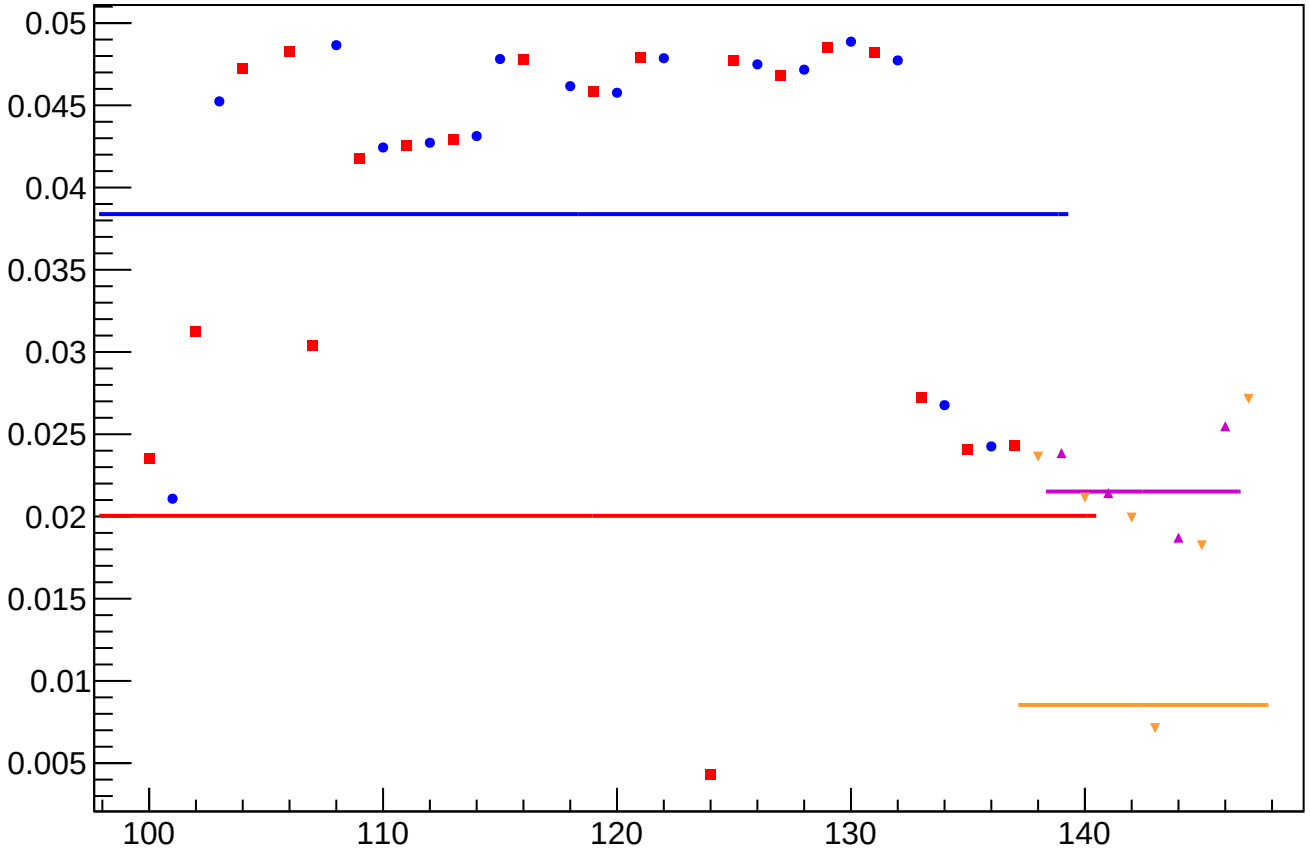
Left In: 0.000+/-0.000 χ^2/NDF:40702.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 1019731.8/21

All: 0.000+/-0.000 χ^2/NDF: 6632053.4/44

- sign 0.000+/-0.000 χ^2/NDF: 4819665.0/22

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:9486581108.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

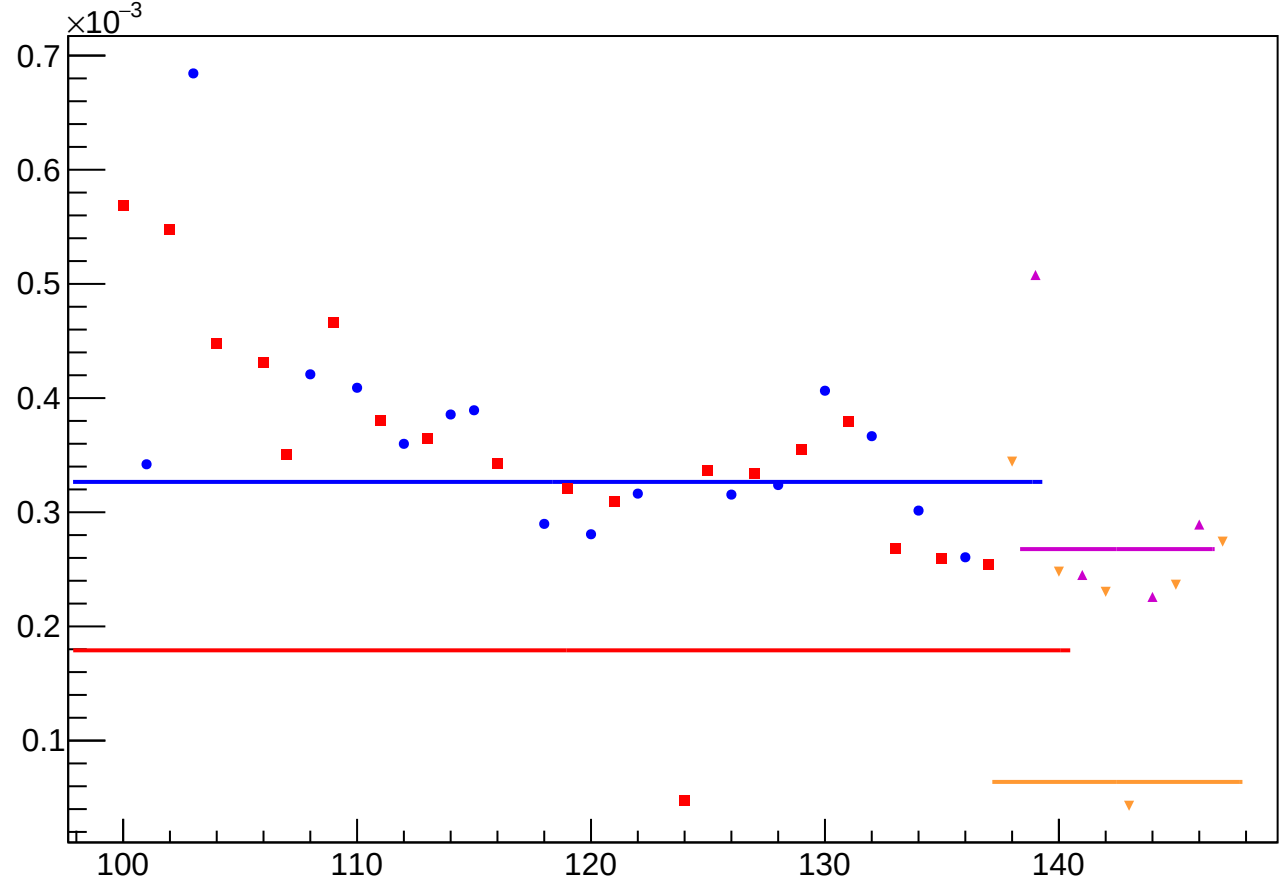
Left In: 0.022+/-0.000 χ^2/NDF:294247091.5/3

+ sign 0.012+/-0.000 χ^2/NDF: 63534499647.7/21

All: 0.014+/-0.000 χ^2/NDF: 115383078776.5

- sign 0.020+/-0.000 χ^2/NDF: 42546560371.1/22

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4064267.4/5

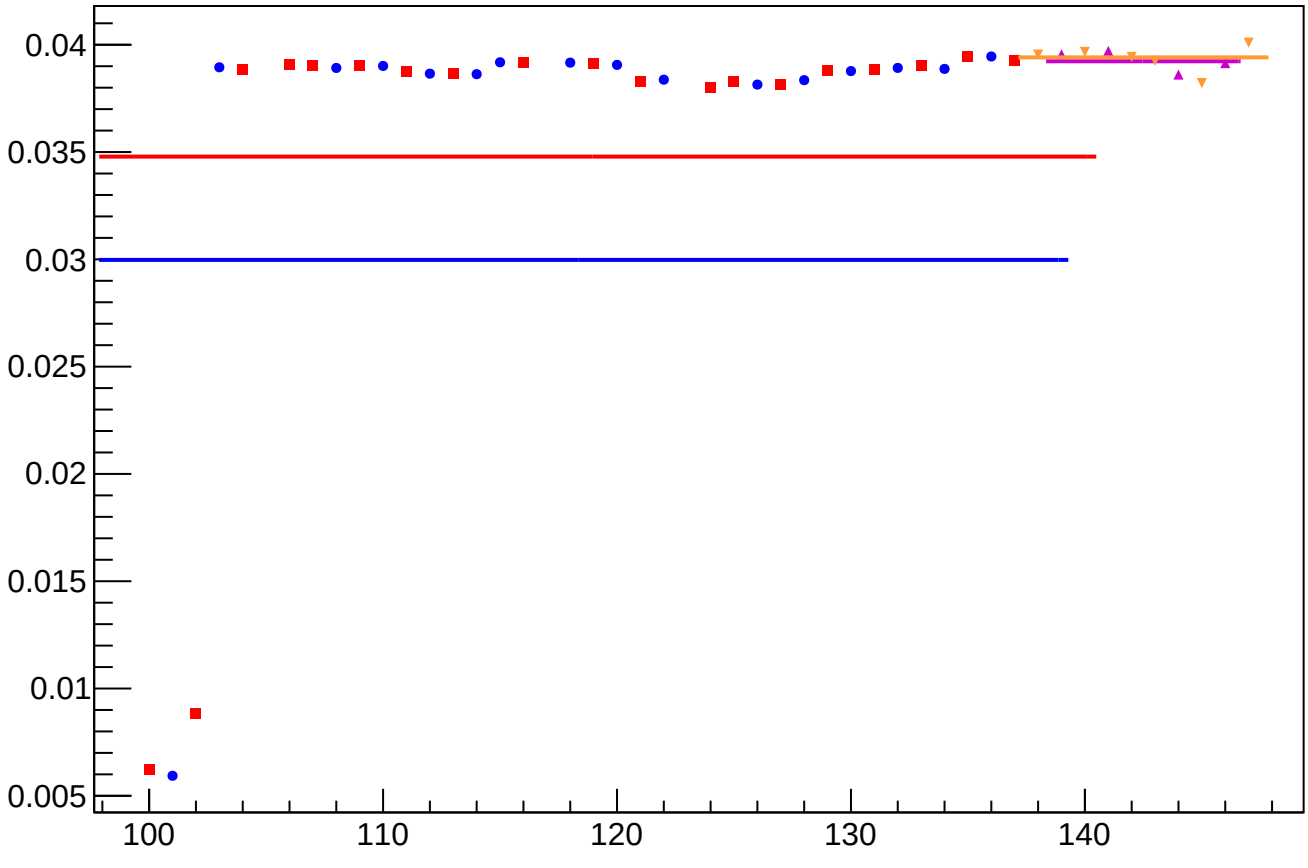
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:435481.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 11927162.5/21

All: 0.000+/-0.000 χ^2/NDF: 21488074.5/44

- sign 0.000+/-0.000 χ^2/NDF: 6582146.6/22



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:75220189.7/5

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

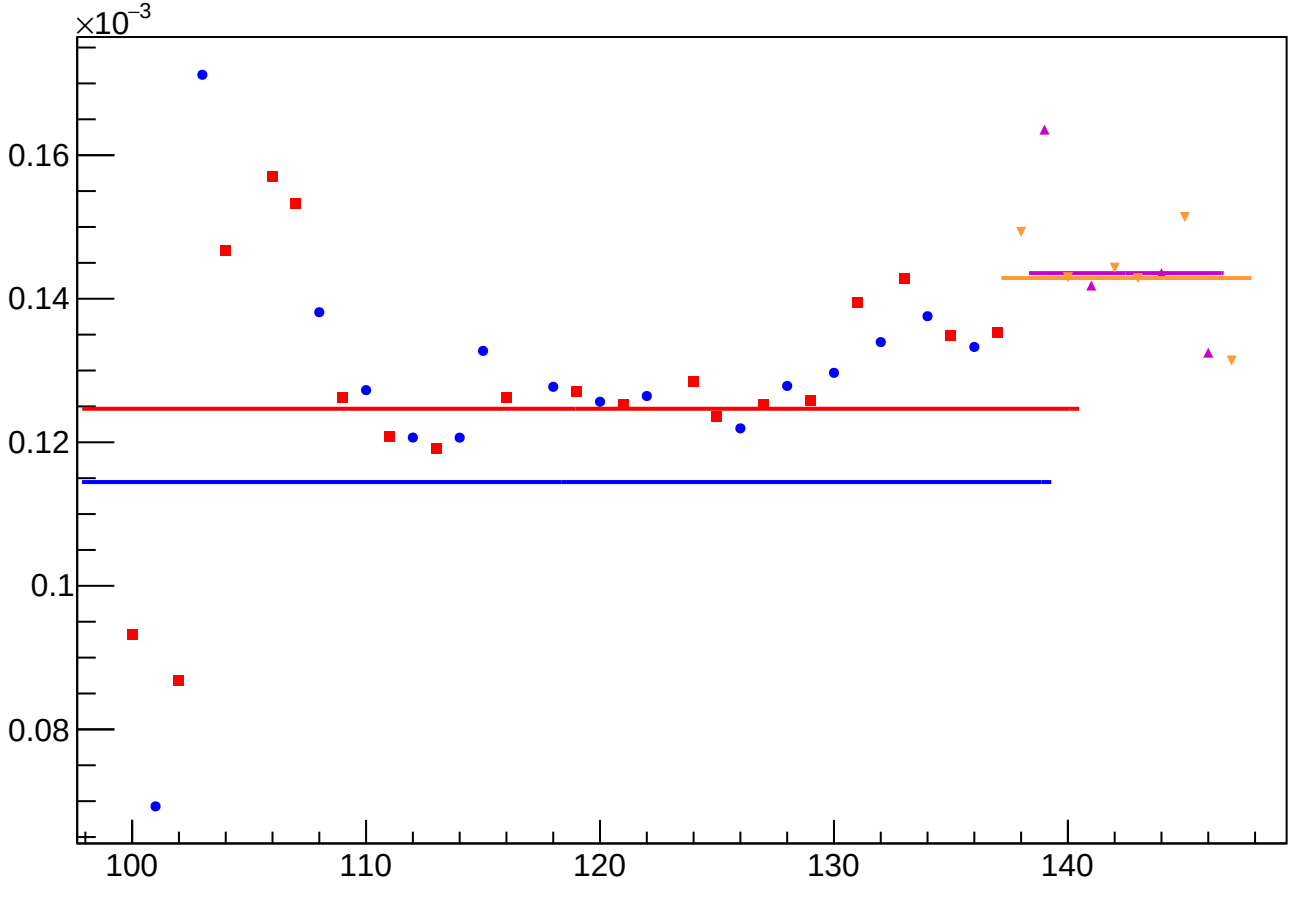
Left In: 0.039+/-0.000 χ^2/NDF:29468505.6/3

+ sign 0.033+/-0.000 χ^2/NDF: 121621340794.9/21

All: 0.034+/-0.000 χ^2/NDF: 174726310822.2

- sign 0.036+/-0.000 χ^2/NDF: 49656658649.3/22

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20234.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

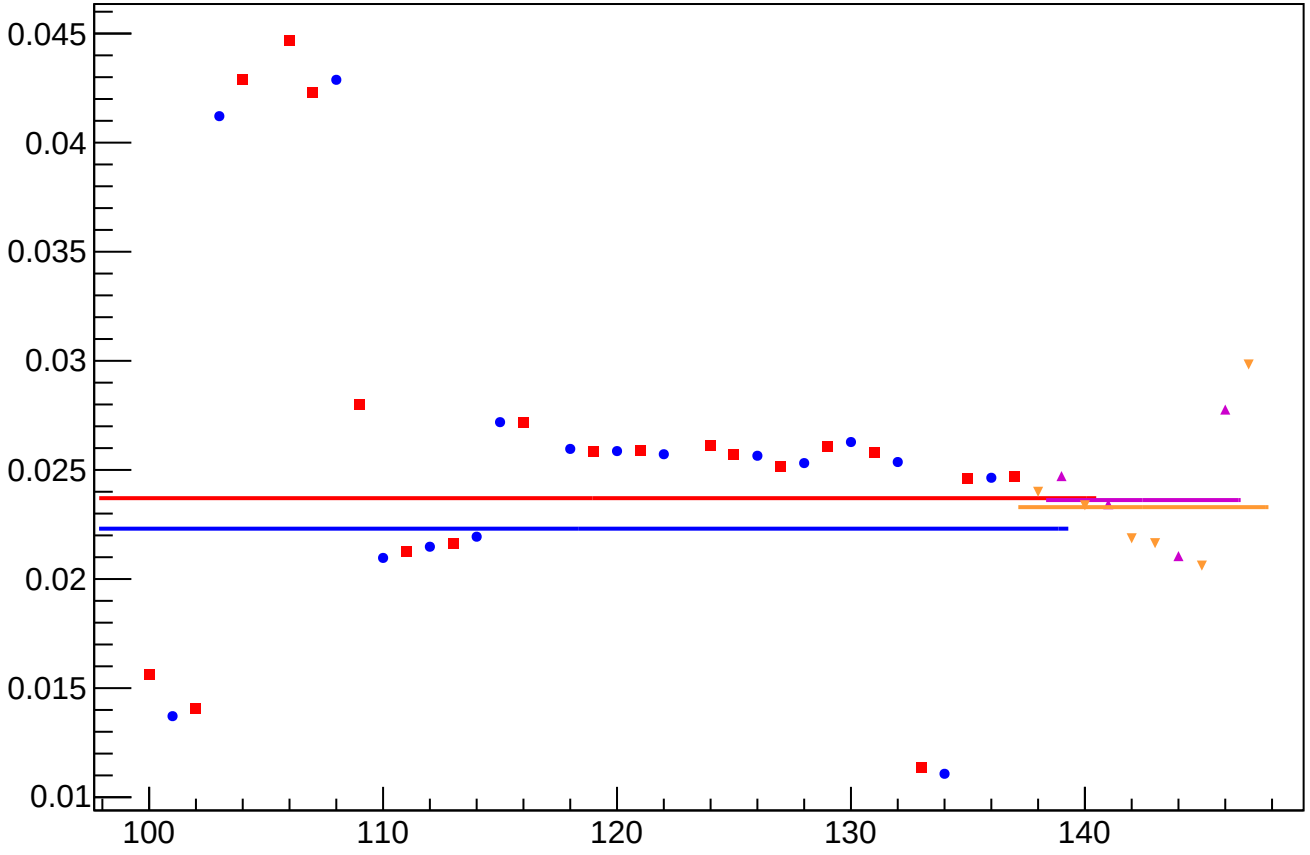
Left In: 0.000+/-0.000 χ^2/NDF:36996.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 1114173.1/21

All: 0.000+/-0.000 χ^2/NDF: 1528806.8/44

- sign 0.000+/-0.000 χ^2/NDF: 382894.3/22

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:581271589.9/5

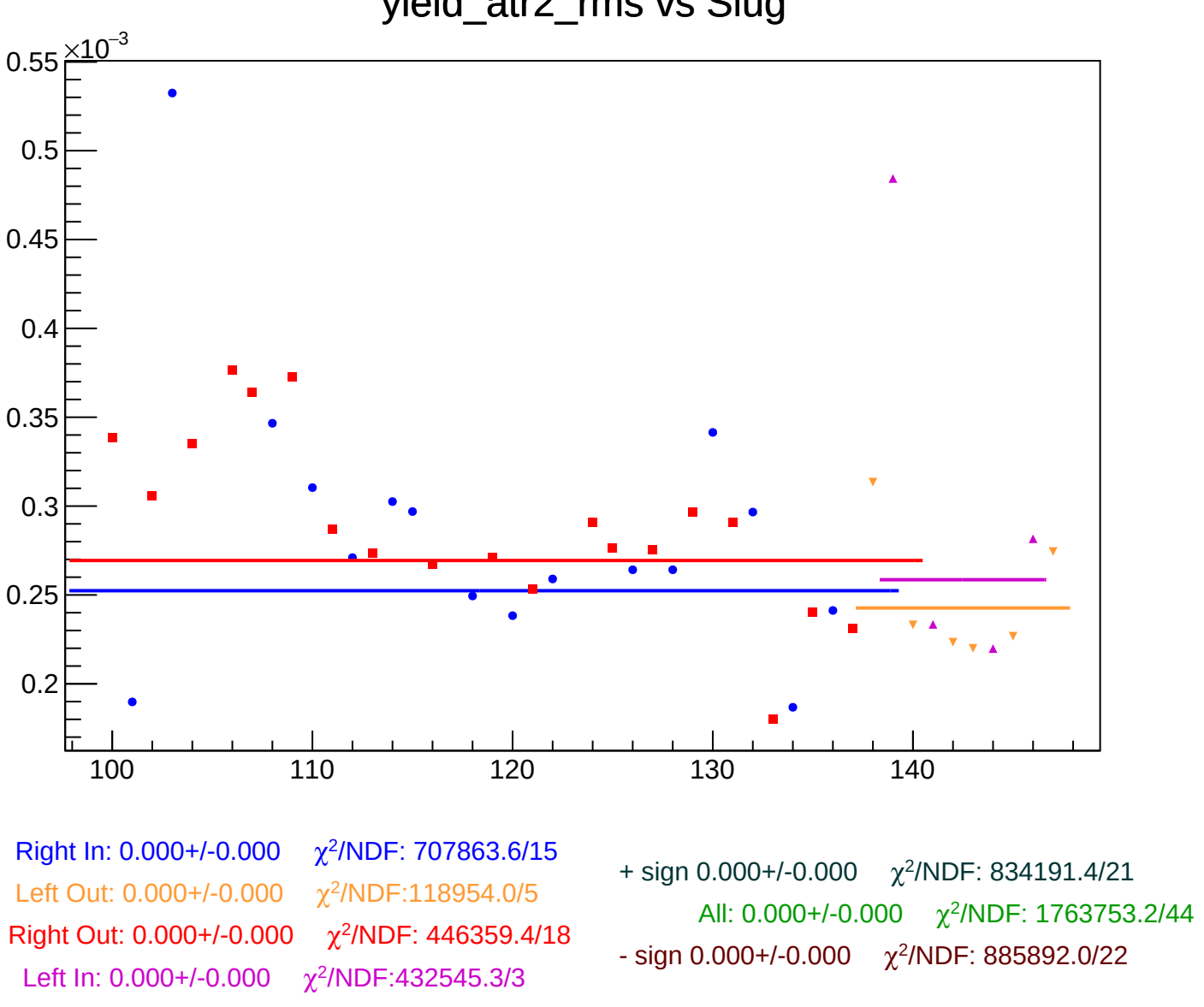
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

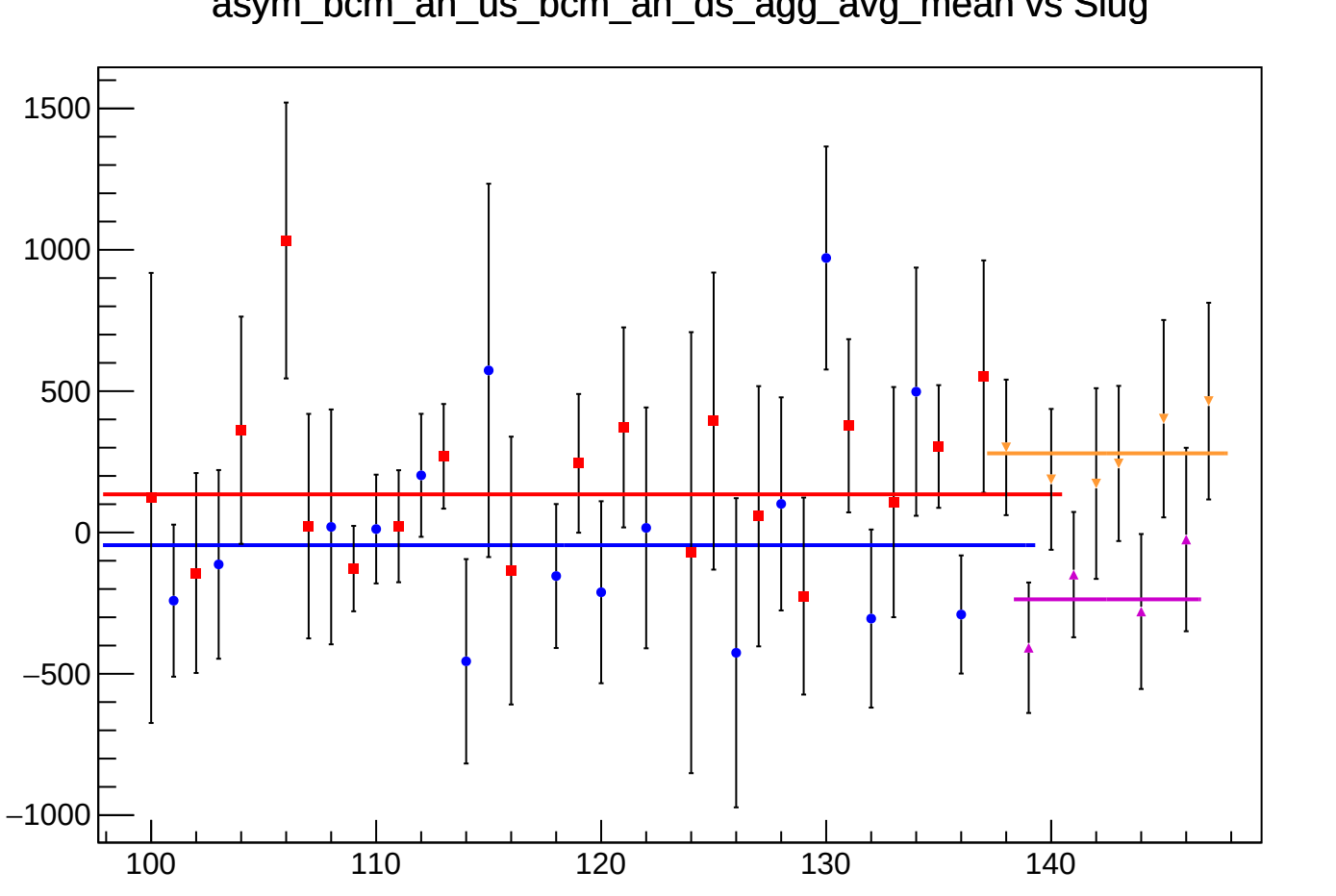
Left In: 0.024+/-0.000 χ^2/NDF:292435929.5/3

+ sign 0.023+/-0.000 χ^2/NDF: 5631739851.8/21

All: 0.023+/-0.000 χ^2/NDF: 11576443140.6/4

- sign 0.024+/-0.000 χ^2/NDF: 5874525927.6/22


yield_atr2_rms vs Slug
×10^−3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:118954.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:432545.3/3
+ sign 0.000+/-0.000 χ²/NDF: 834191.4/21
All: 0.000+/-0.000 χ²/NDF: 1763753.2/44
- sign 0.000+/-0.000 χ²/NDF: 885892.0/22



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 279.976+/-117.826 χ^2/NDF:0.7/5

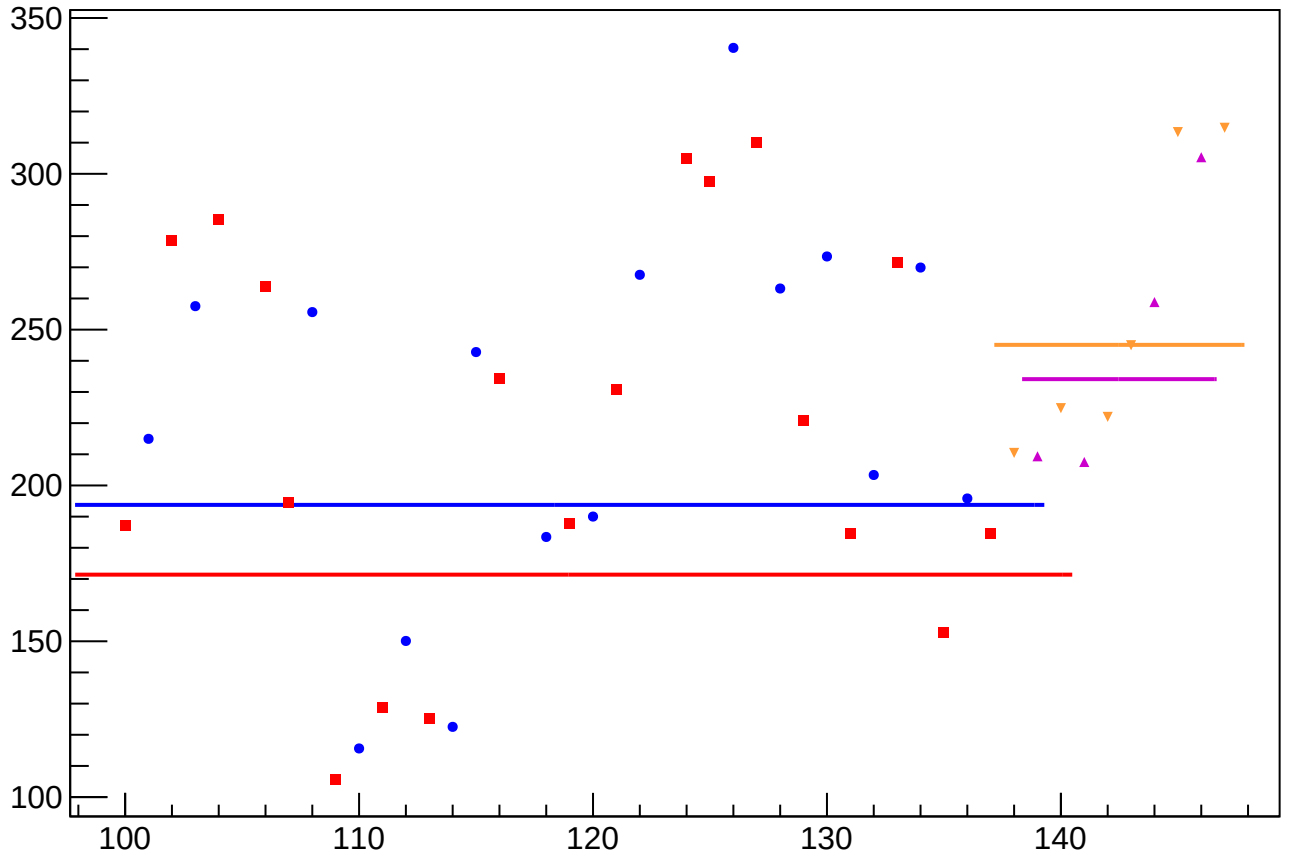
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -236.541+/-127.093 χ^2/NDF:1.2/3

\+ sign 50.891+/-63.984 χ^2/NDF: 21.5/21

All: 51.582+/-43.767 χ^2/NDF: 42.2/44

\- sign 52.190+/-60.000 χ^2/NDF: 20.7/22



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 245.118+/-0.083 χ^2/NDF:221117.8/5

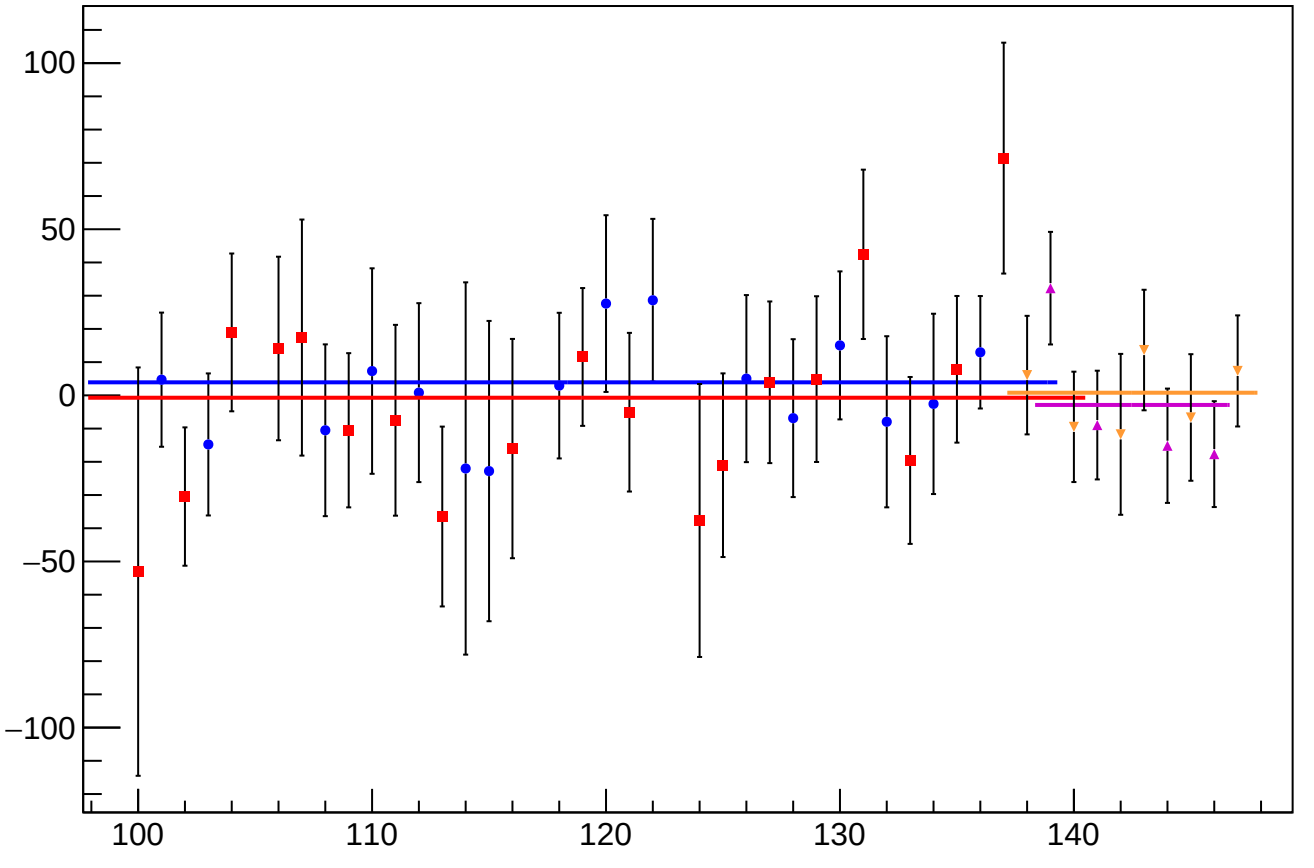
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

+ sign 208.910+/-0.045 χ^2/NDF: 1537058.0/21

All: 196.381+/-0.031 χ^2/NDF: 3882253.7/44

- sign 185.363+/-0.042 χ^2/NDF: 2201068.0/22



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.796+/-7.487 χ^2/NDF:1.5/5

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

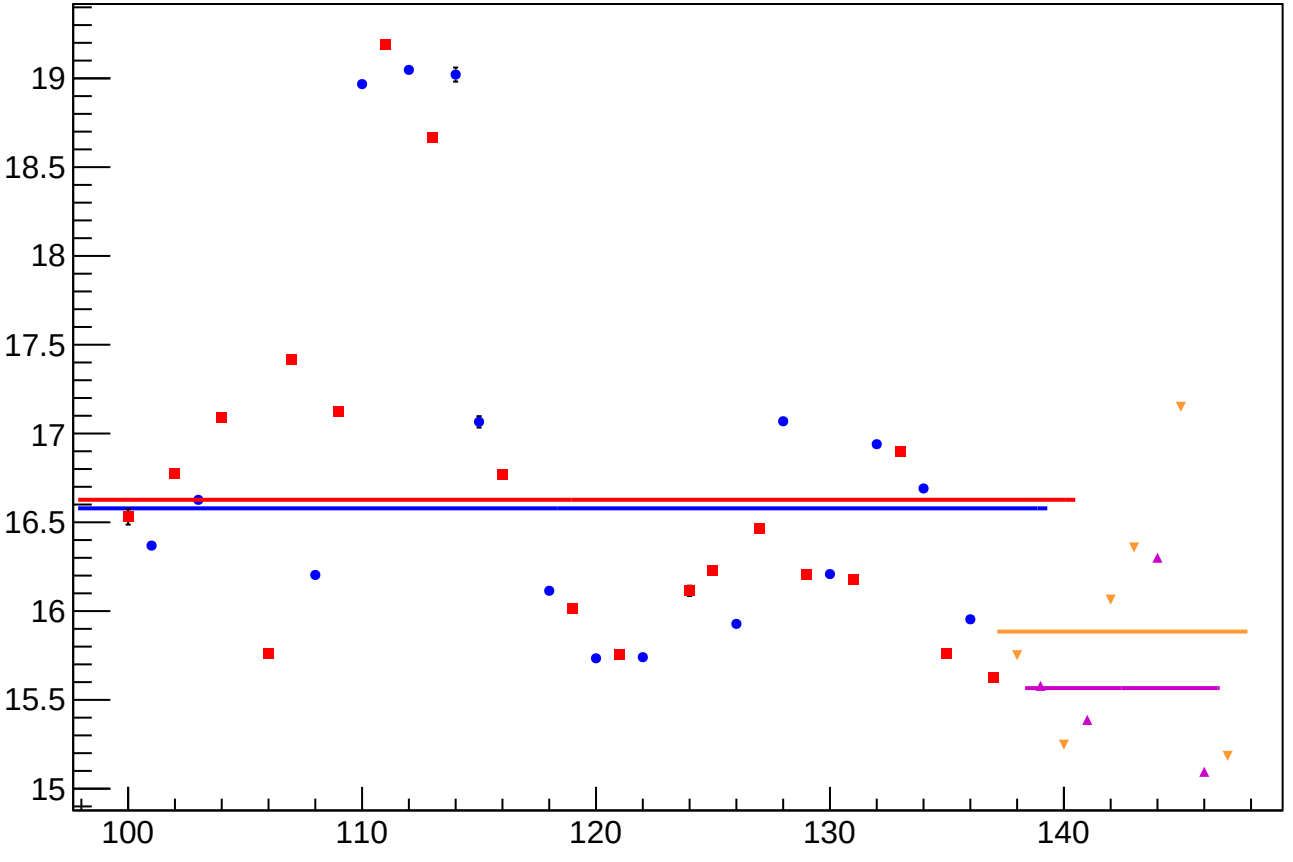
Left In: -2.884+/-8.295 χ^2/NDF:5.8/3

+ sign 2.658+/-4.762 χ^2/NDF: 6.1/21

All: 0.653+/-3.416 χ^2/NDF: 28.3/44

- sign -1.472+/-4.902 χ^2/NDF: 21.8/22

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.885+/-0.005 χ^2/NDF:16862.6/5

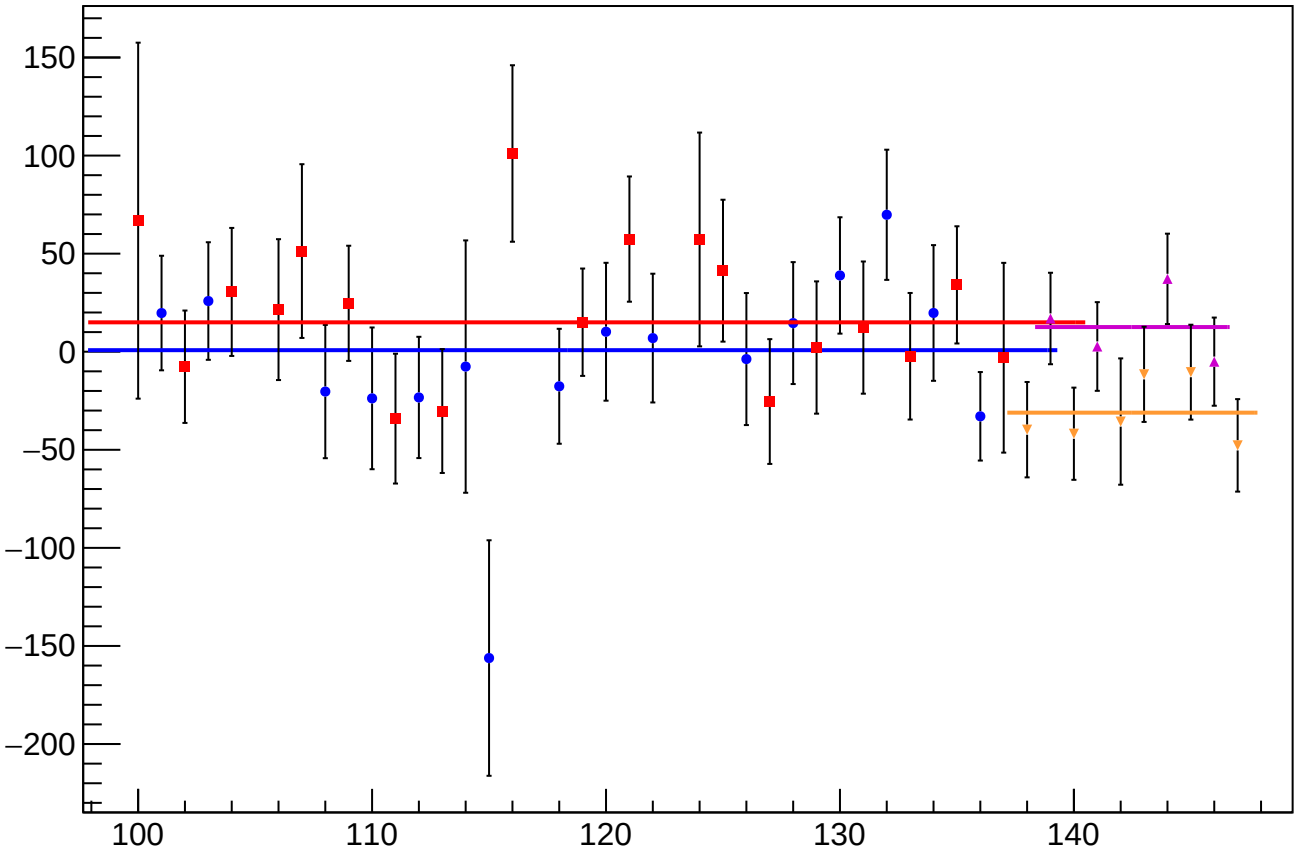
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.566+/-0.006 χ^2/NDF:5634.4/3

+ sign 16.298+/-0.003 χ^2/NDF: 71665.2/21

All: 16.278+/-0.002 χ^2/NDF: 142108.7/44

- sign 16.257+/-0.003 χ^2/NDF: 70370.2/22



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -31.068+/-10.167 χ^2/NDF:2.2/5

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

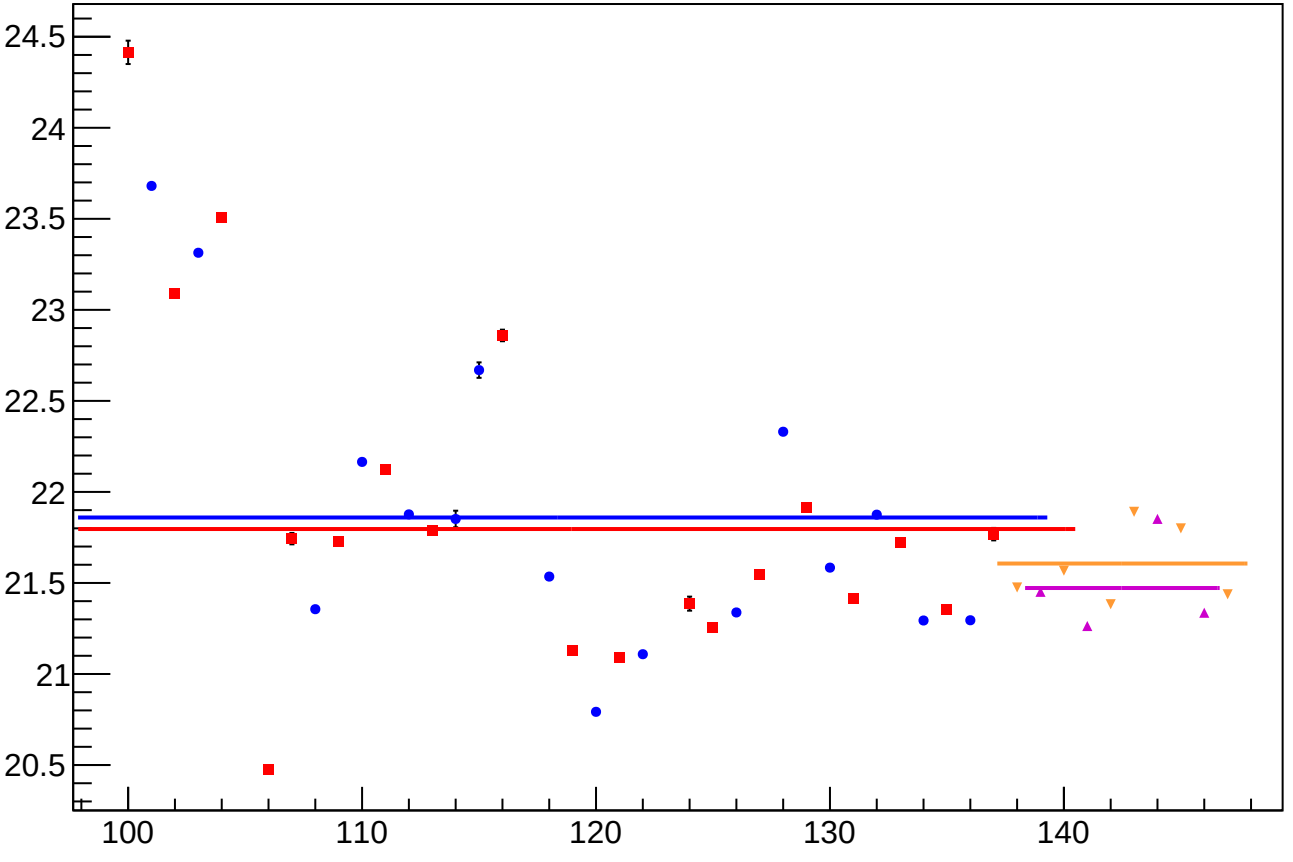
Left In: 12.576+/-11.426 χ^2/NDF:2.0/3

+ sign -11.626+/-6.347 χ^2/NDF: 26.9/21

All: 0.923+/-4.551 χ^2/NDF: 52.3/44

- sign 14.196+/-6.528 χ^2/NDF: 17.4/22

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: 21.607+/-0.007 χ^2/NDF:664.9/5

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

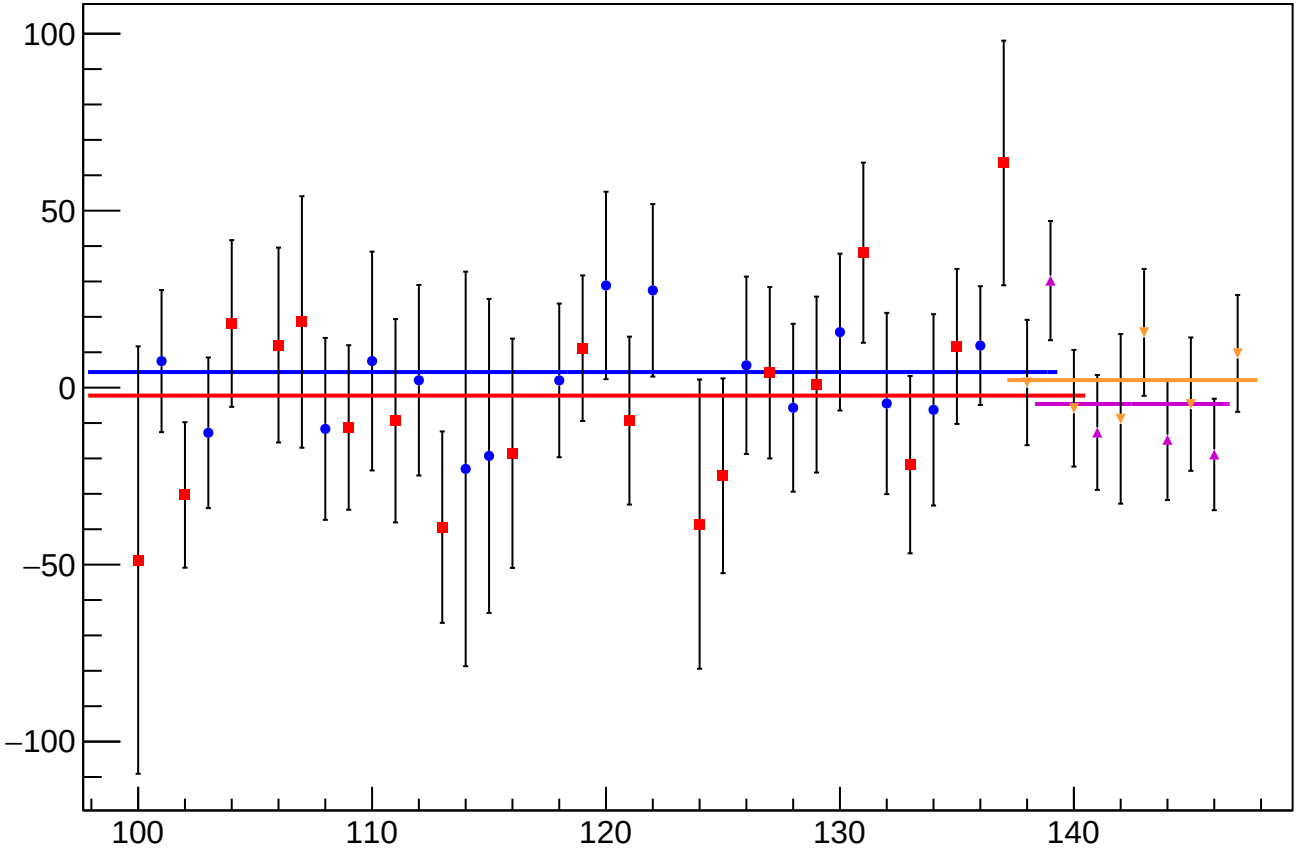
Left In: 21.472+/-0.008 χ^2/NDF:788.4/3

+ sign 21.761+/-0.004 χ^2/NDF: 20888.0/21

All: 21.727+/-0.003 χ^2/NDF: 41741.0/44

- sign 21.690+/-0.005 χ^2/NDF: 20733.0/22

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.133+/-7.410 χ^2/NDF:1.3/5

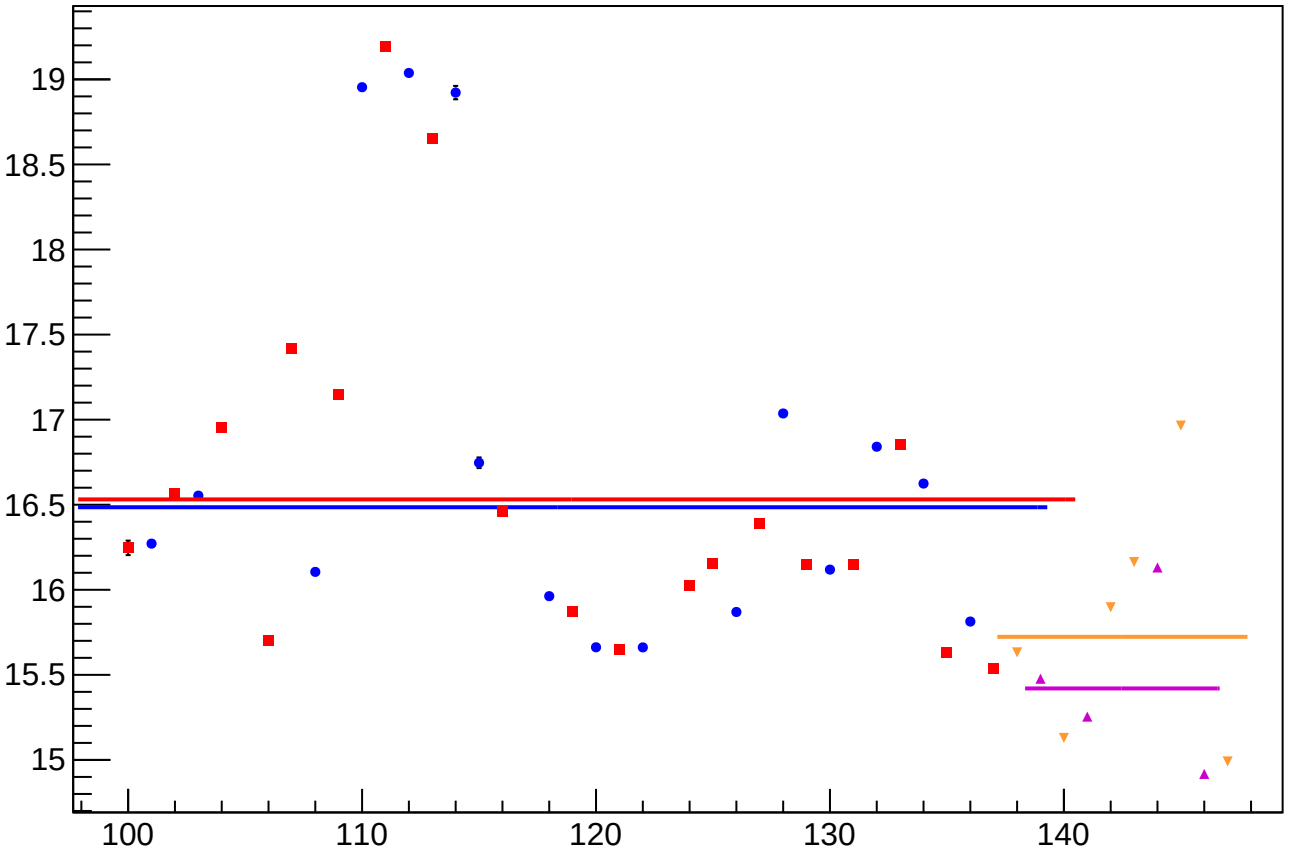
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.611+/-8.217 χ^2/NDF:5.7/3

+ sign 3.480+/-4.727 χ^2/NDF: 5.7/21

All: 0.299+/-3.391 χ^2/NDF: 27.8/44

- sign -3.074+/-4.868 χ^2/NDF: 21.1/22



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.724+/-0.005 χ^2/NDF:16579.3/5

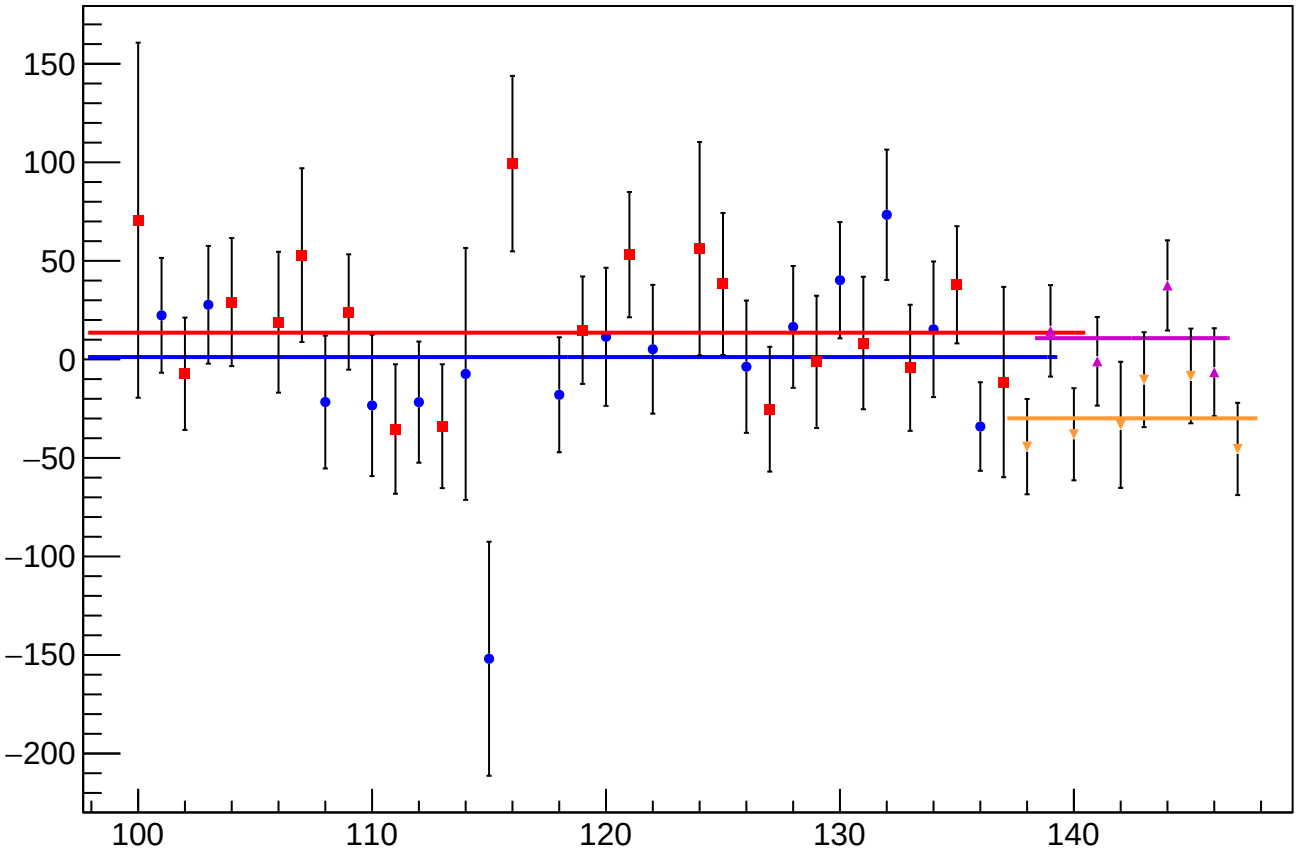
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.420+/-0.006 χ^2/NDF:5754.0/3

\+ sign 16.175+/-0.003 χ^2/NDF: 76295.4/21

All: 16.159+/-0.002 χ^2/NDF: 152308.1/44

\- sign 16.141+/-0.003 χ^2/NDF: 75962.8/22



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -29.889+/-10.102 χ^2/NDF:2.4/5

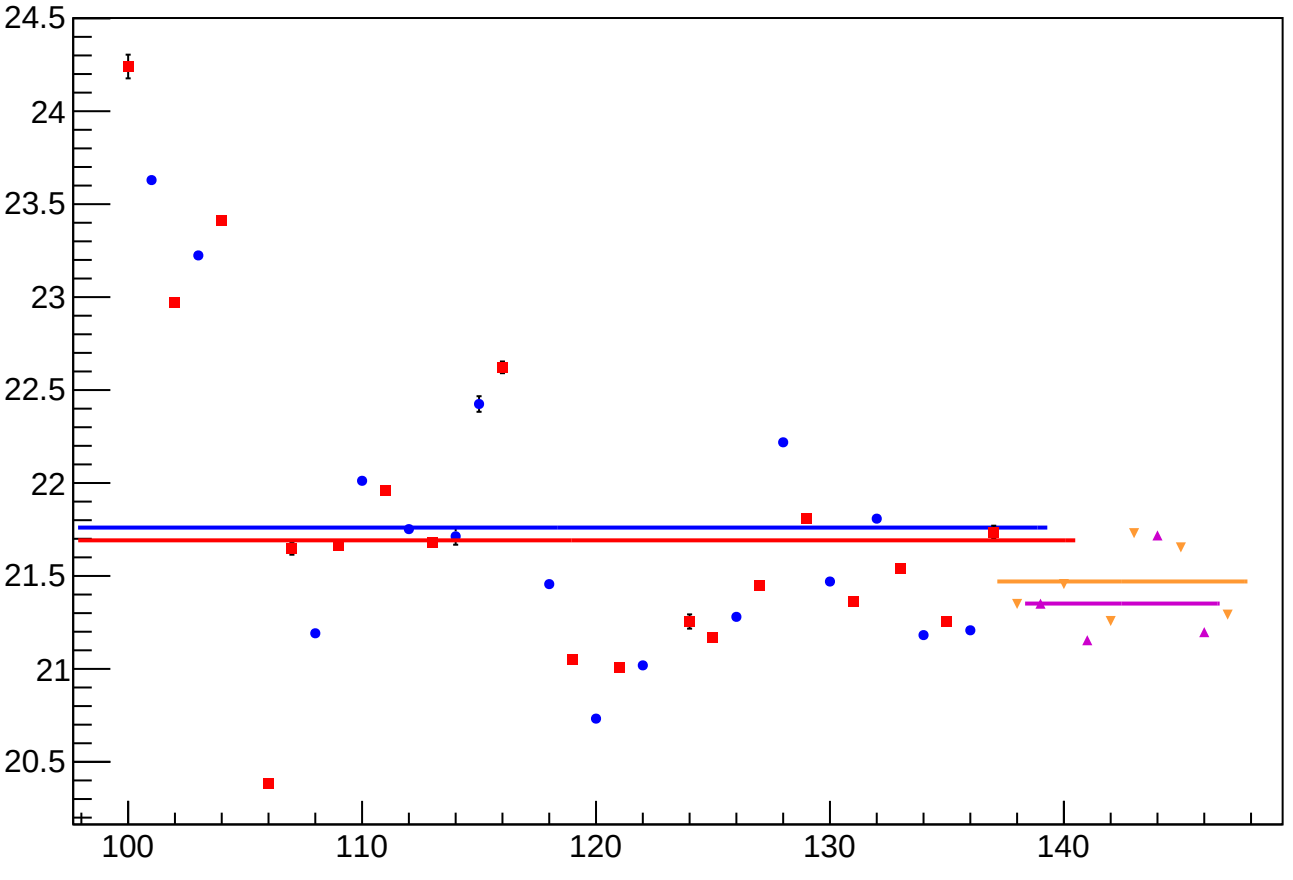
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 10.787+/-11.362 χ^2/NDF:2.3/3

\+ sign -10.952+/-6.314 χ^2/NDF: 27.6/21

All: 0.514+/-4.527 χ^2/NDF: 52.6/44

\- sign 12.646+/-6.494 χ^2/NDF: 18.2/22



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.470+/-0.007 χ^2/NDF:604.3/5

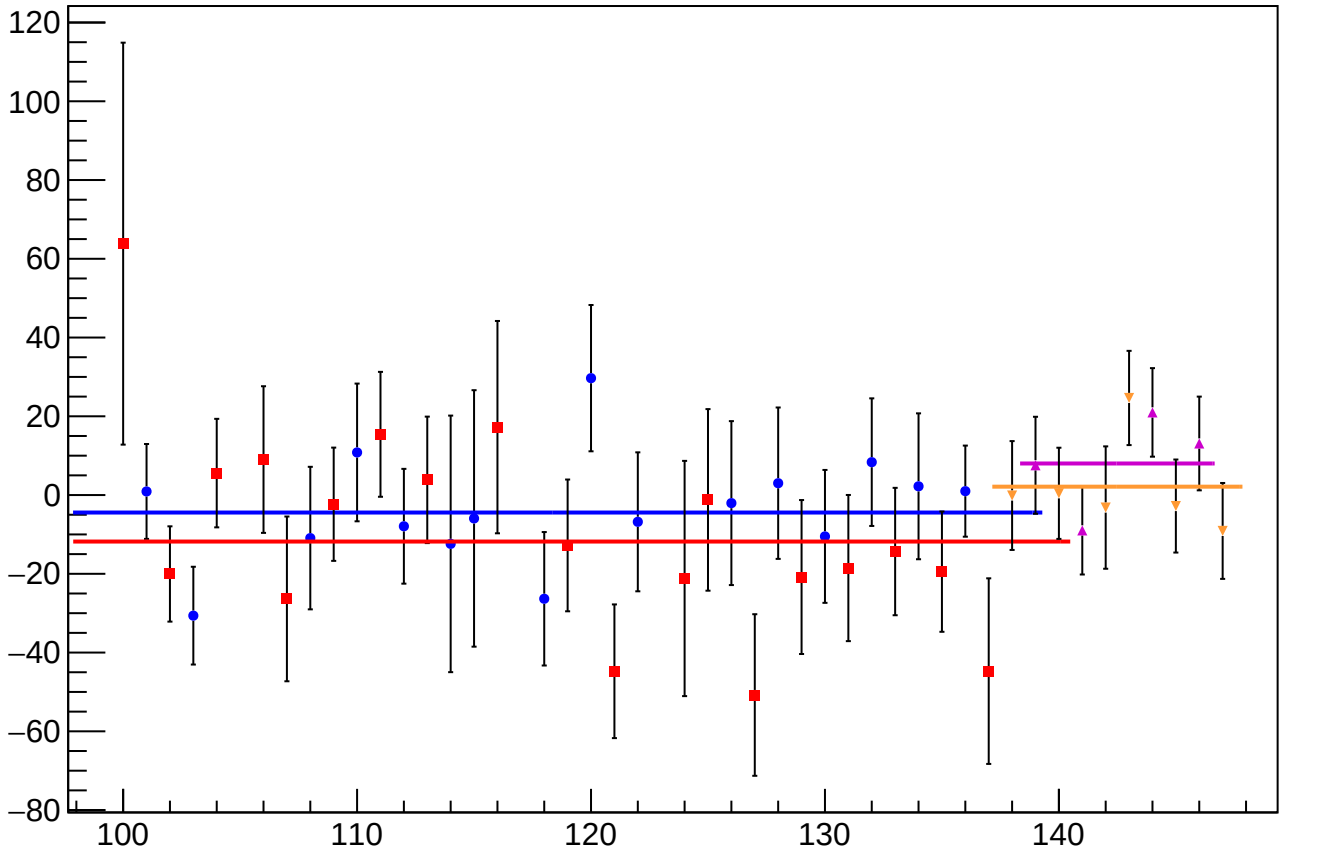
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.351+/-0.008 χ^2/NDF:761.0/3

\+ sign 21.647+/-0.004 χ^2/NDF: 21354.1/21

All: 21.615+/-0.003 χ^2/NDF: 41760.1/44

\- sign 21.580+/-0.005 χ^2/NDF: 20298.0/22



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.127+/-5.148 χ^2/NDF:4.7/5

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

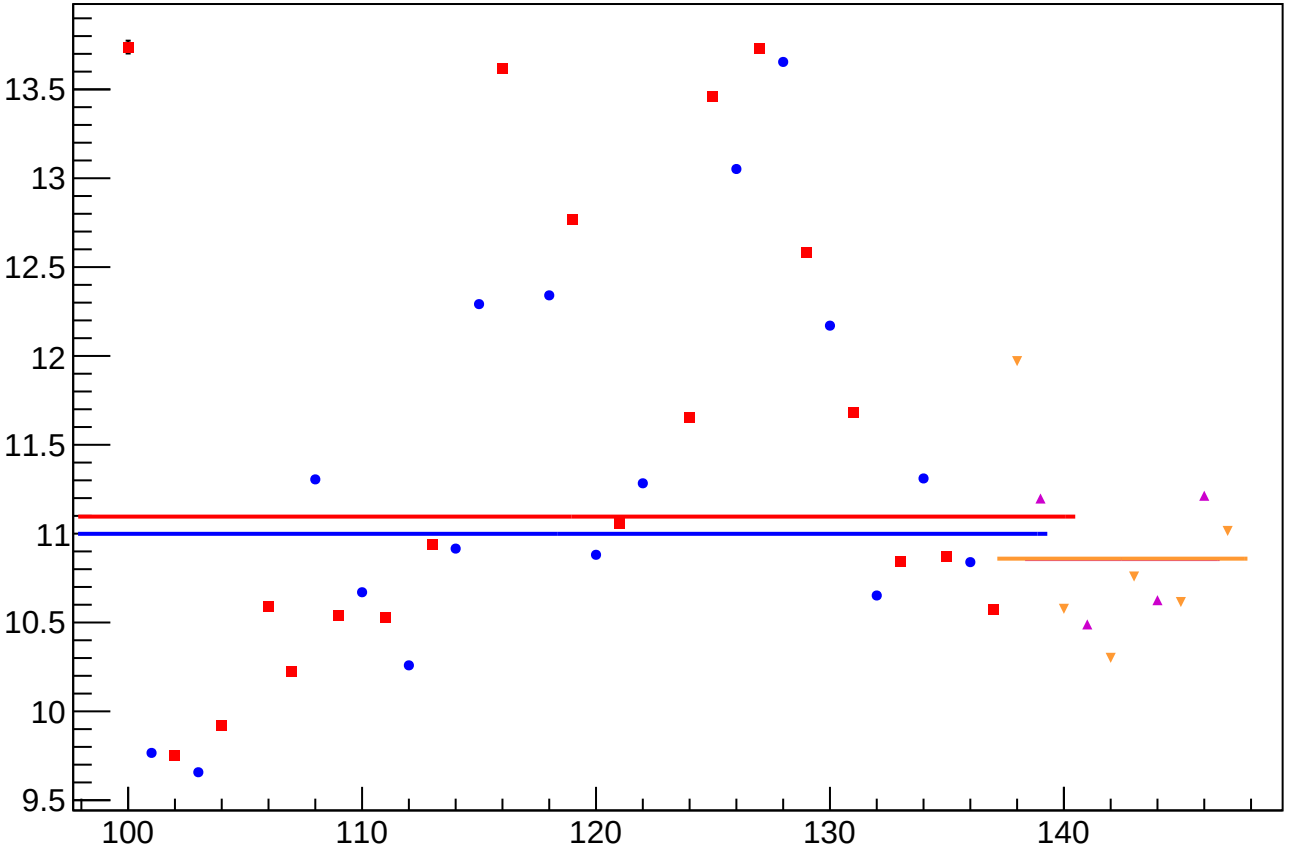
Left In: 8.015+/-5.819 χ^2/NDF:3.8/3

+ sign -1.868+/-3.222 χ^2/NDF: 17.7/21

All: -3.486+/-2.322 χ^2/NDF: 51.5/44

- sign -5.236+/-3.350 χ^2/NDF: 33.3/22

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: 10.859+/-0.004 χ^2/NDF:18027.8/5

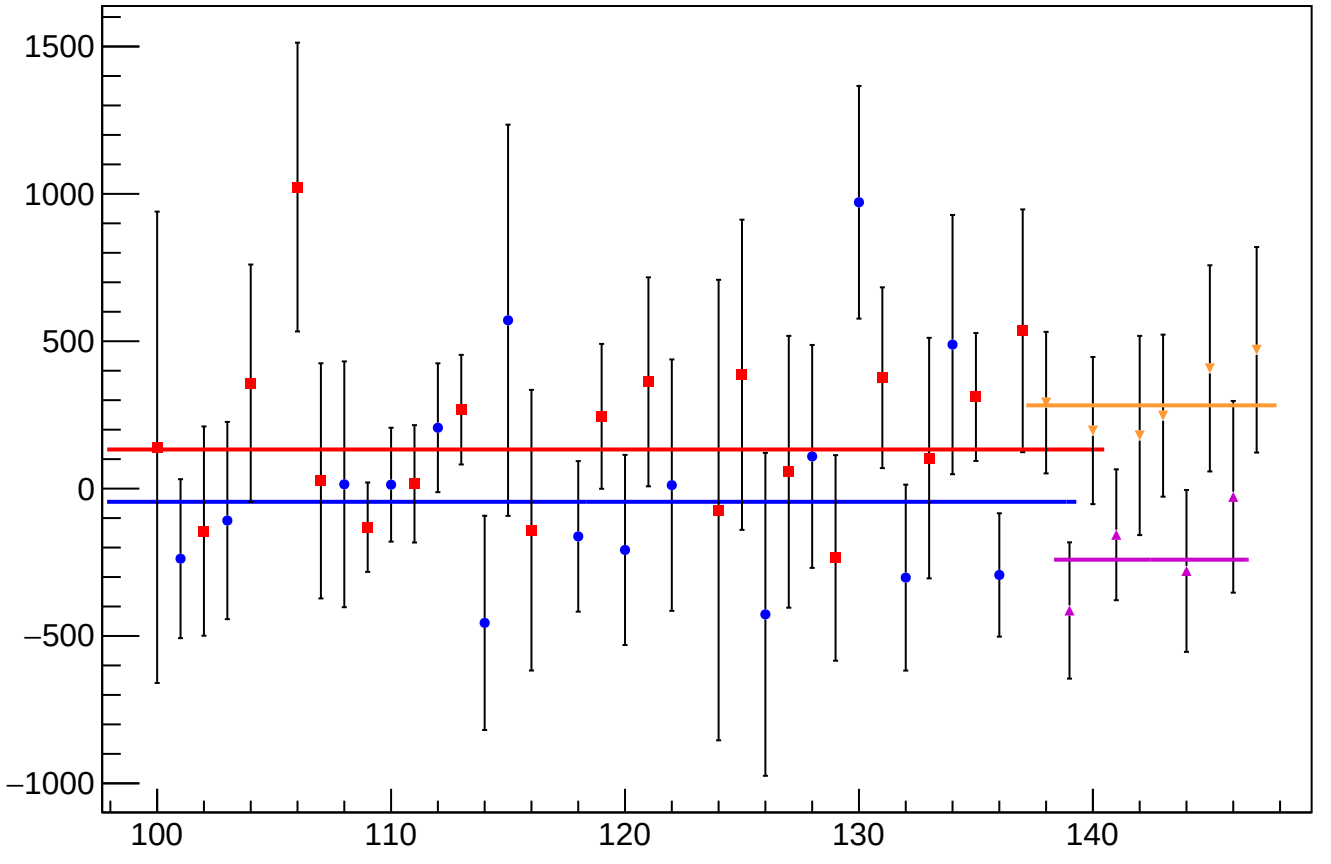
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

+ sign 10.944+/-0.002 χ^2/NDF: 155083.7/21

All: 10.979+/-0.002 χ^2/NDF: 327060.0/44

- sign 11.017+/-0.002 χ^2/NDF: 171490.6/22



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

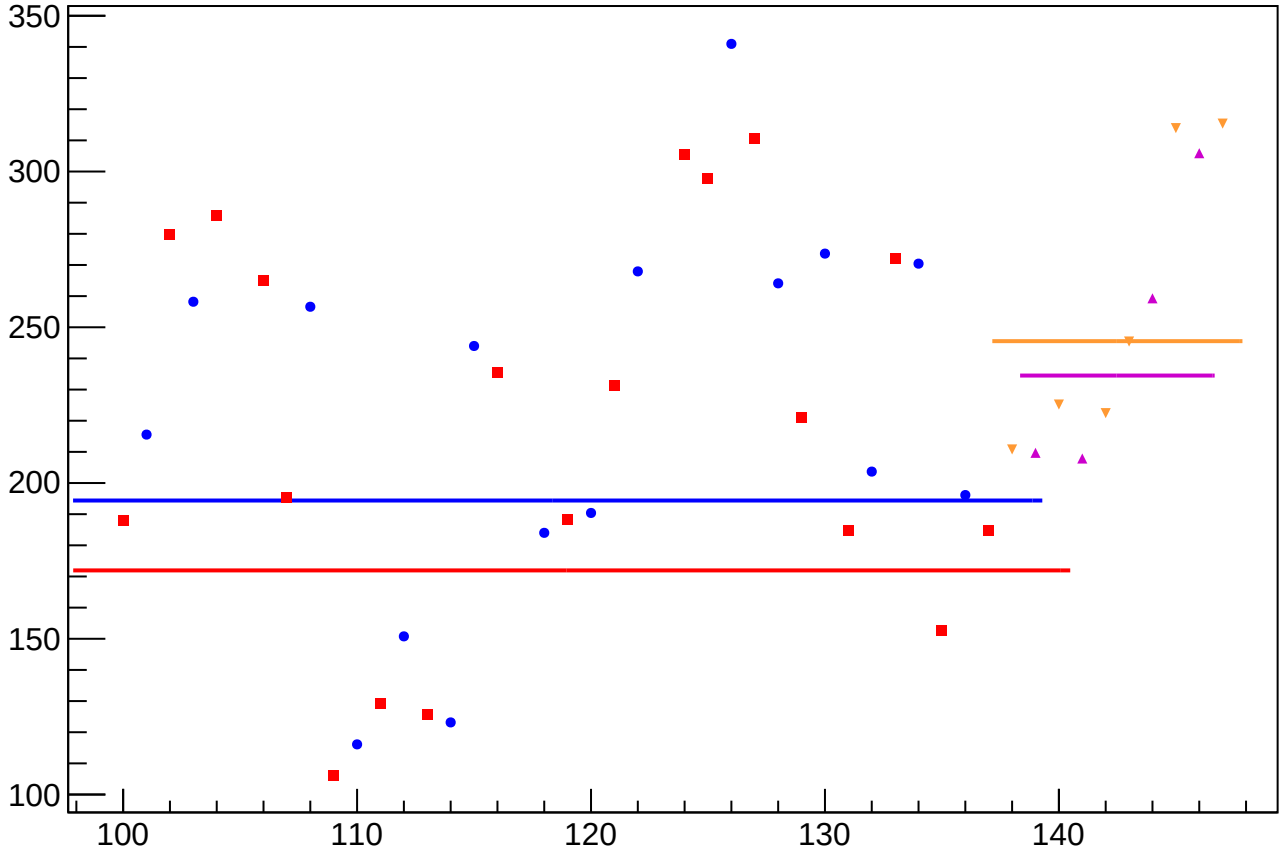
Left In: -241.147+/-127.305 χ^2/NDF:1.2/3

\+ sign 51.888+/-64.151 χ^2/NDF: 21.5/21

All: 50.470+/-43.884 χ^2/NDF: 42.2/44

\- sign 49.224+/-60.164 χ^2/NDF: 20.7/22

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: 245.545+/-0.083 χ^2/NDF:221267.1/5

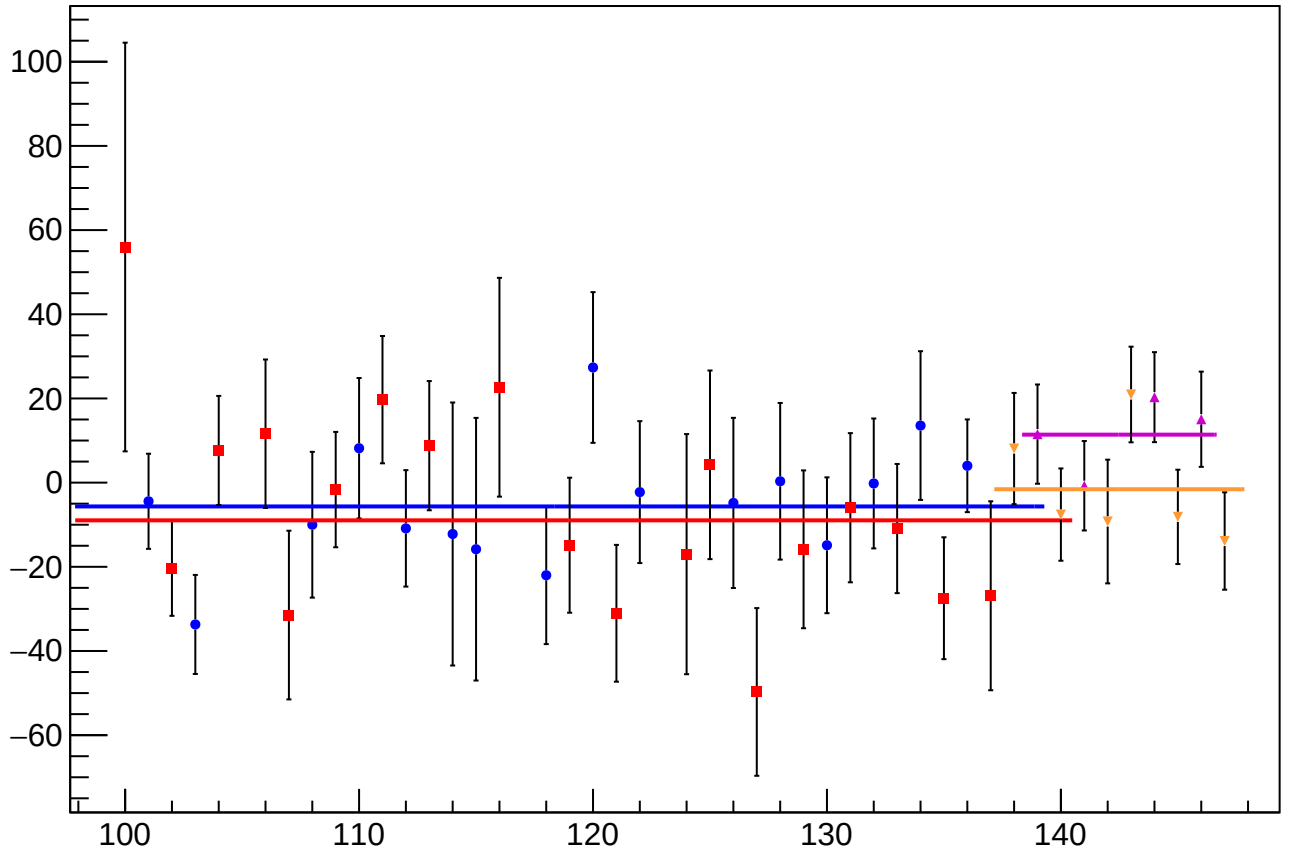
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

+ sign 209.497+/-0.045 χ^2/NDF: 1528037.1/21

All: 196.953+/-0.031 χ^2/NDF: 3862600.3/44

- sign 185.920+/-0.043 χ^2/NDF: 2190833.7/22



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.571+/-4.888 χ^2/NDF:6.5/5

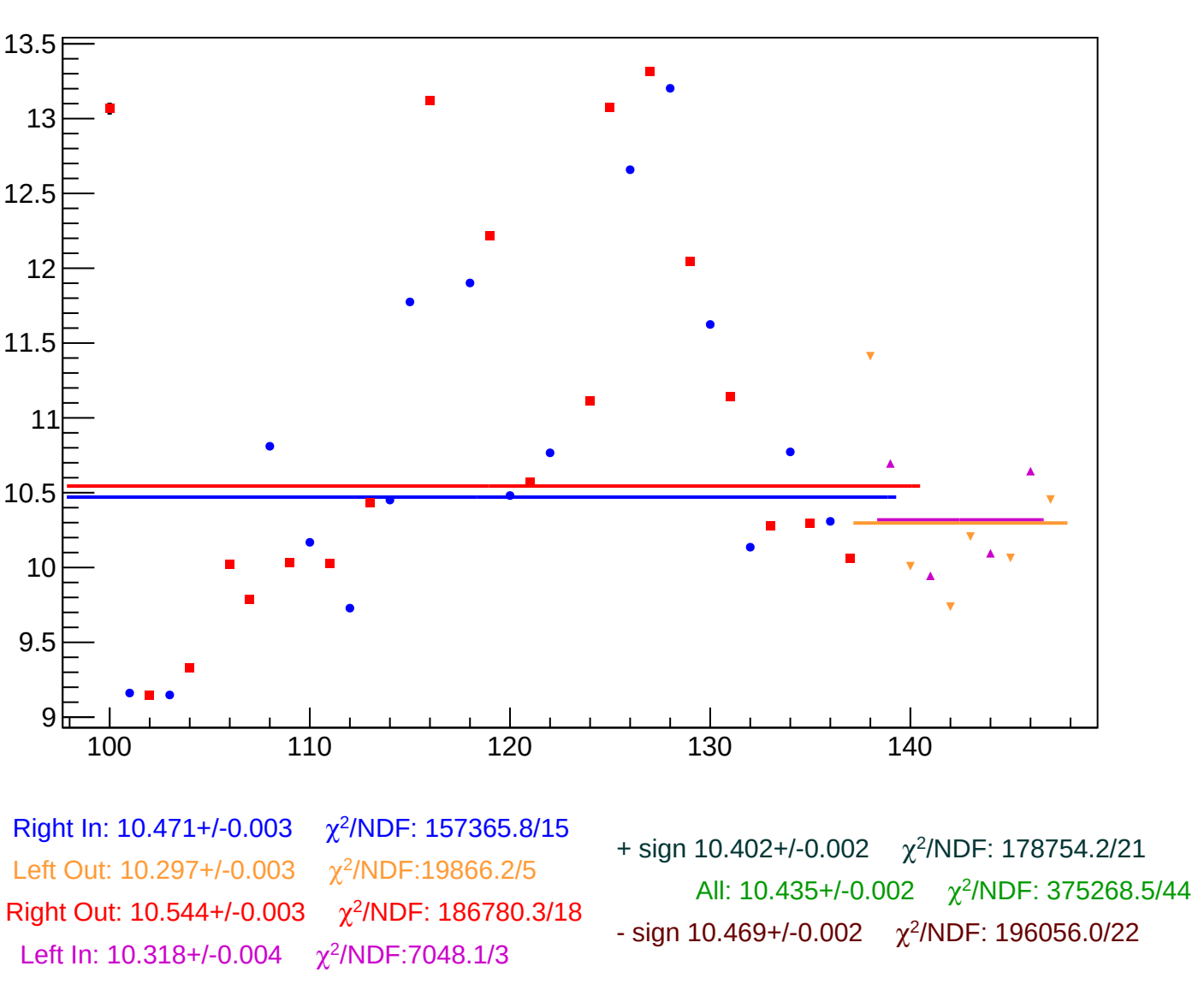
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

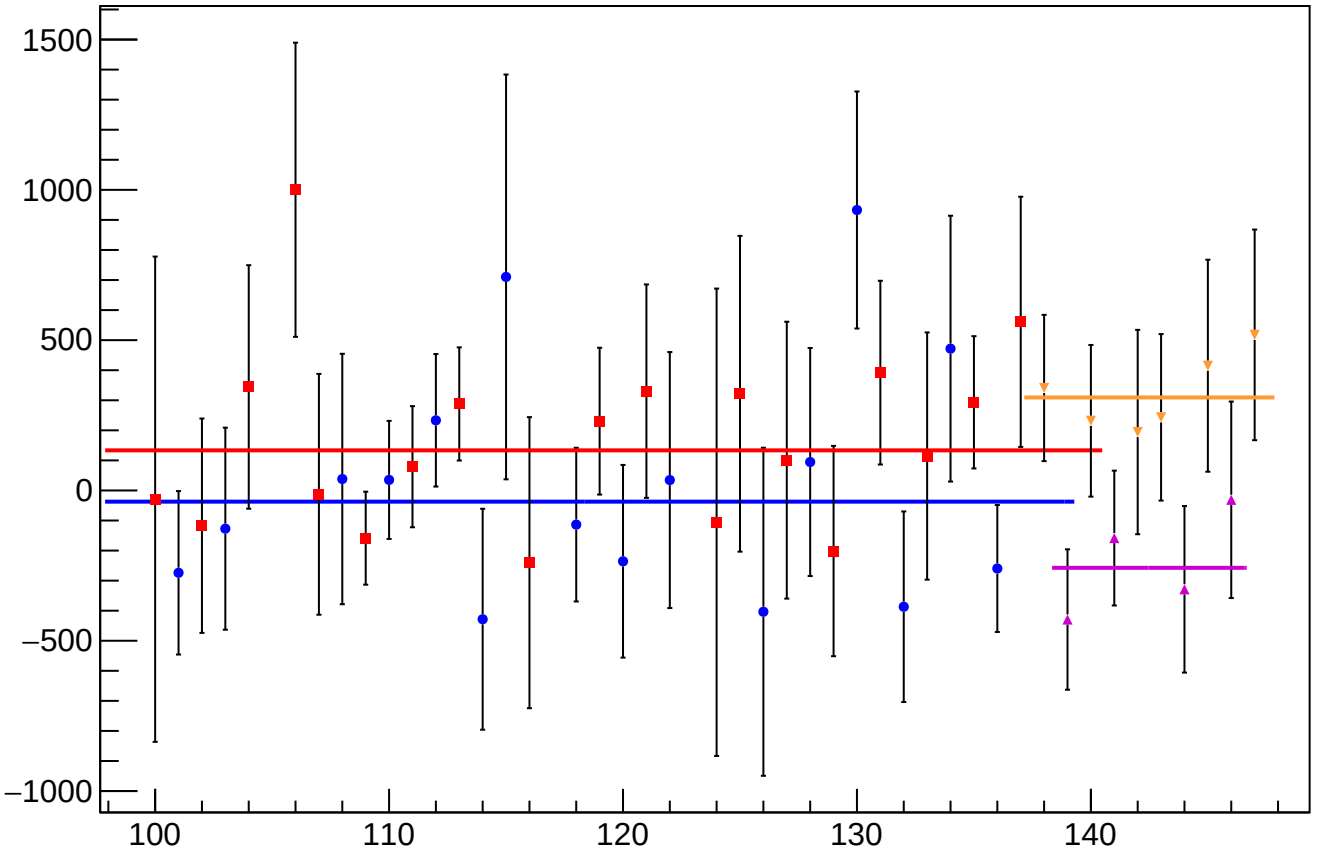
Left In: 11.397+/-5.537 χ^2/NDF:2.1/3

+ sign -4.049+/-3.067 χ^2/NDF: 20.6/21

All: -3.164+/-2.211 χ^2/NDF: 54.7/44

- sign -2.208+/-3.189 χ^2/NDF: 33.9/22


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
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.297+/-0.003 χ²/NDF:19866.2/5
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.318+/-0.004 χ²/NDF:7048.1/3
+ sign 10.402+/-0.002 χ²/NDF: 178754.2/21
All: 10.435+/-0.002 χ²/NDF: 375268.5/44
- sign 10.469+/-0.002 χ²/NDF: 196056.0/22



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 309.372+/-119.104 χ^2/NDF:0.7/5

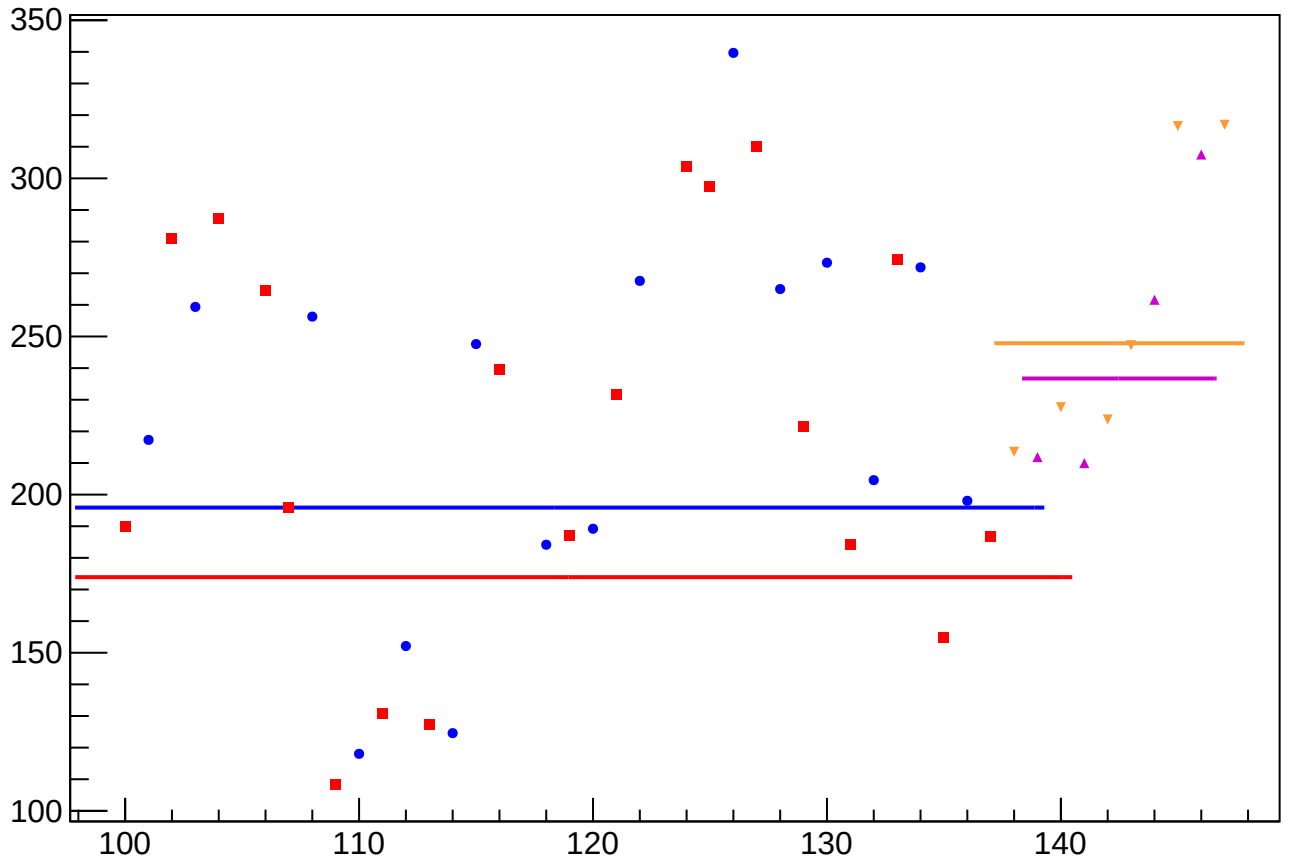
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -257.340+/-128.457 χ^2/NDF:1.3/3

+ sign 64.767+/-64.613 χ^2/NDF: 22.4/21

All: 54.863+/-44.243 χ^2/NDF: 43.8/44

- sign 46.120+/-60.707 χ^2/NDF: 21.4/22



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 247.868+/-0.084 χ^2/NDF:216242.5/5

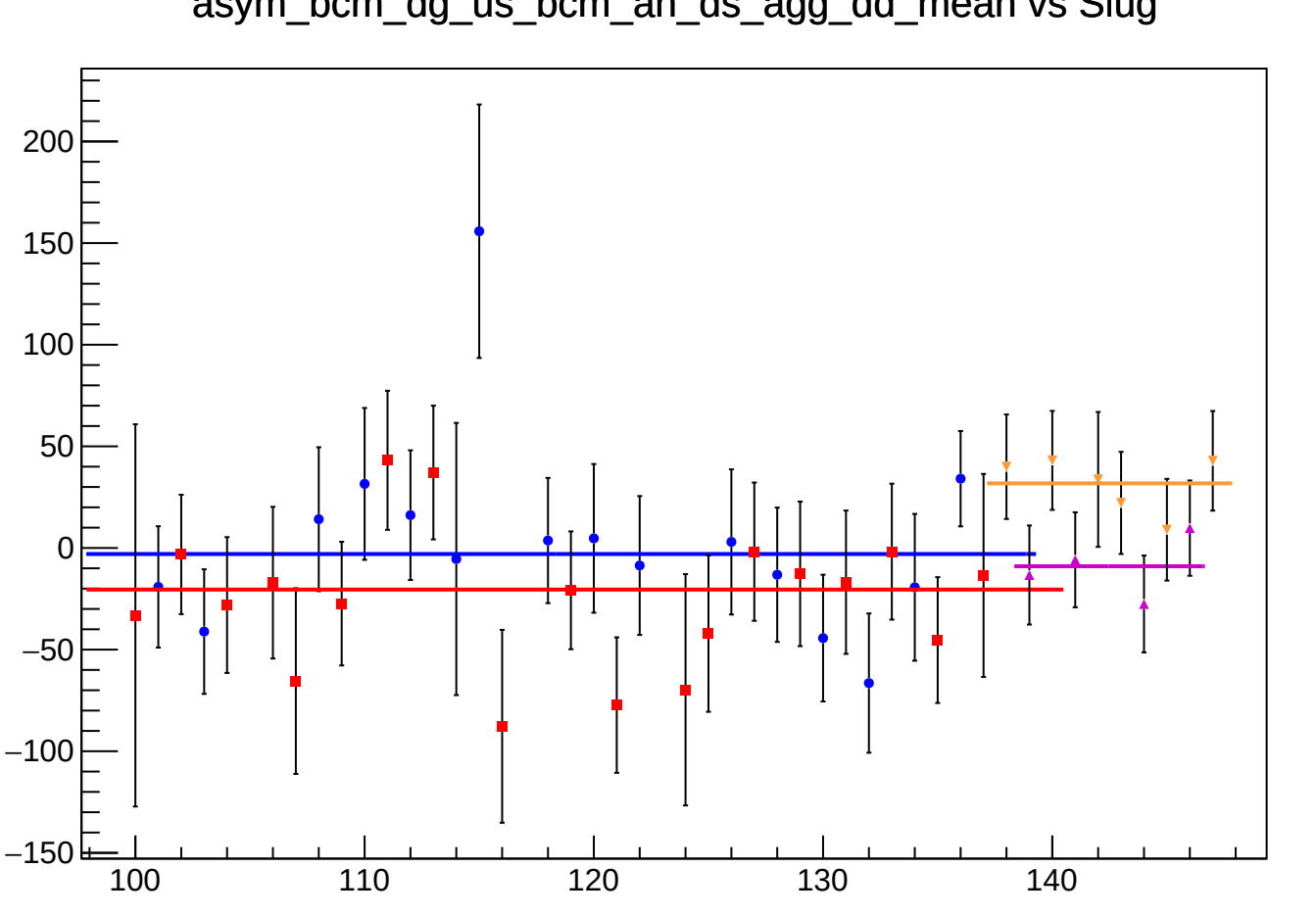
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

+ sign 211.194+/-0.046 χ^2/NDF: 1495958.4/21

All: 198.838+/-0.031 χ^2/NDF: 3765838.8/44

- sign 187.930+/-0.043 χ^2/NDF: 2132178.7/22



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 31.793+/-10.566 χ^2/NDF:1.5/5

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

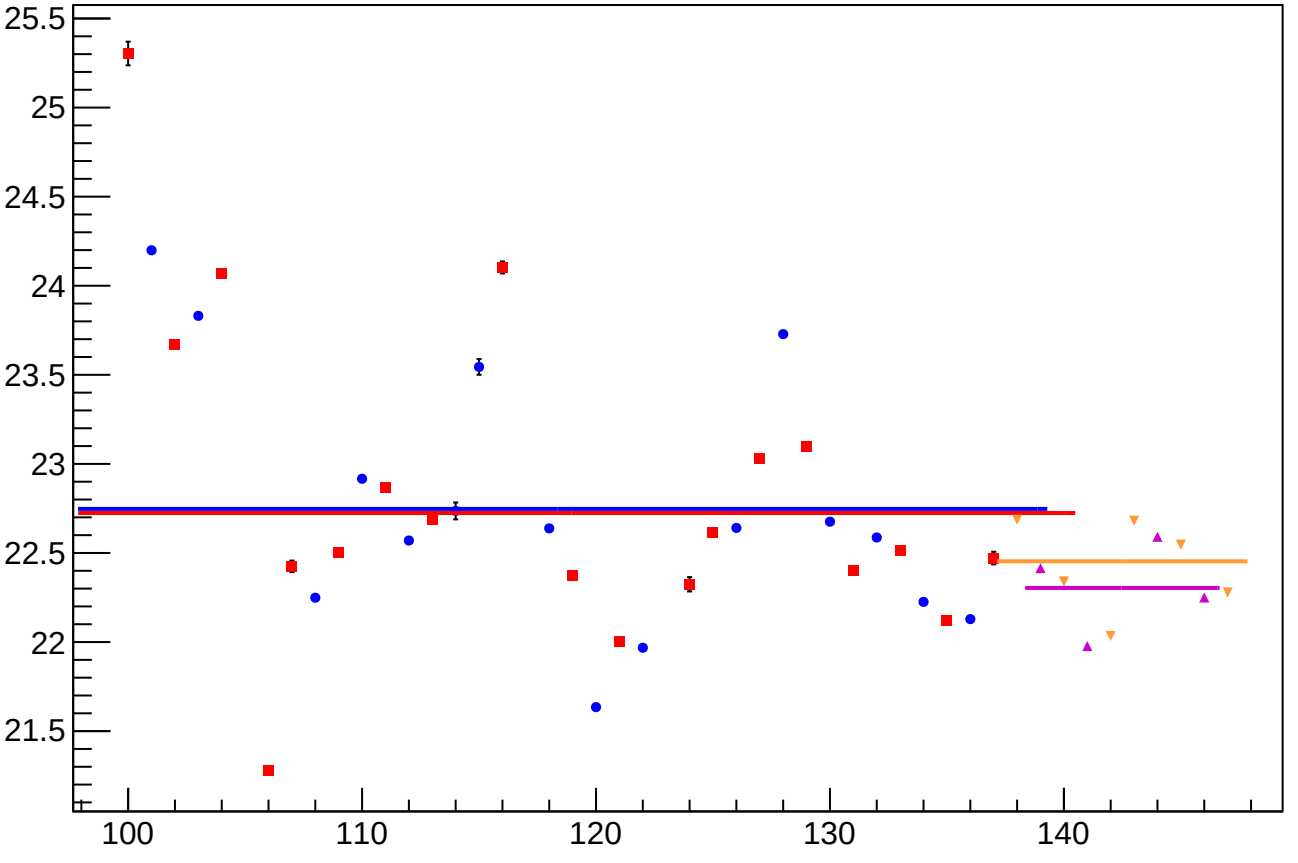
Left In: -8.995+/-11.869 χ^2/NDF:1.3/3

+ sign 10.600+/-6.601 χ^2/NDF: 26.0/21

All: -2.649+/-4.736 χ^2/NDF: 51.5/44

- sign -16.697+/-6.797 χ^2/NDF: 17.2/22

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: 22.453+/-0.007 χ^2/NDF:820.8/5

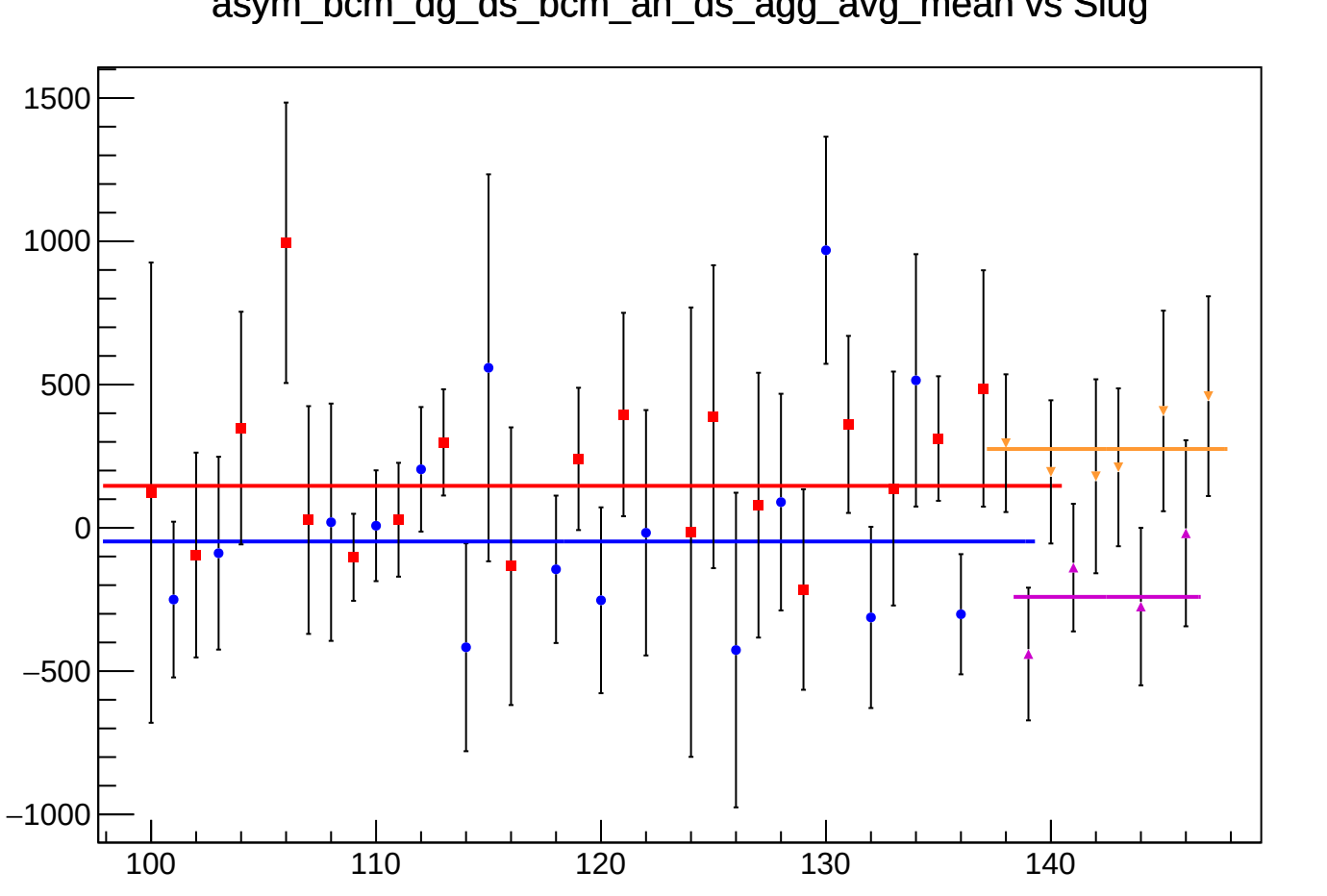
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

+ sign 22.633+/-0.005 χ^2/NDF: 16388.9/21

All: 22.610+/-0.003 χ^2/NDF: 33348.0/44

- sign 22.586+/-0.005 χ^2/NDF: 16911.2/22



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 275.231+/-118.165 χ^2/NDF:0.7/5

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

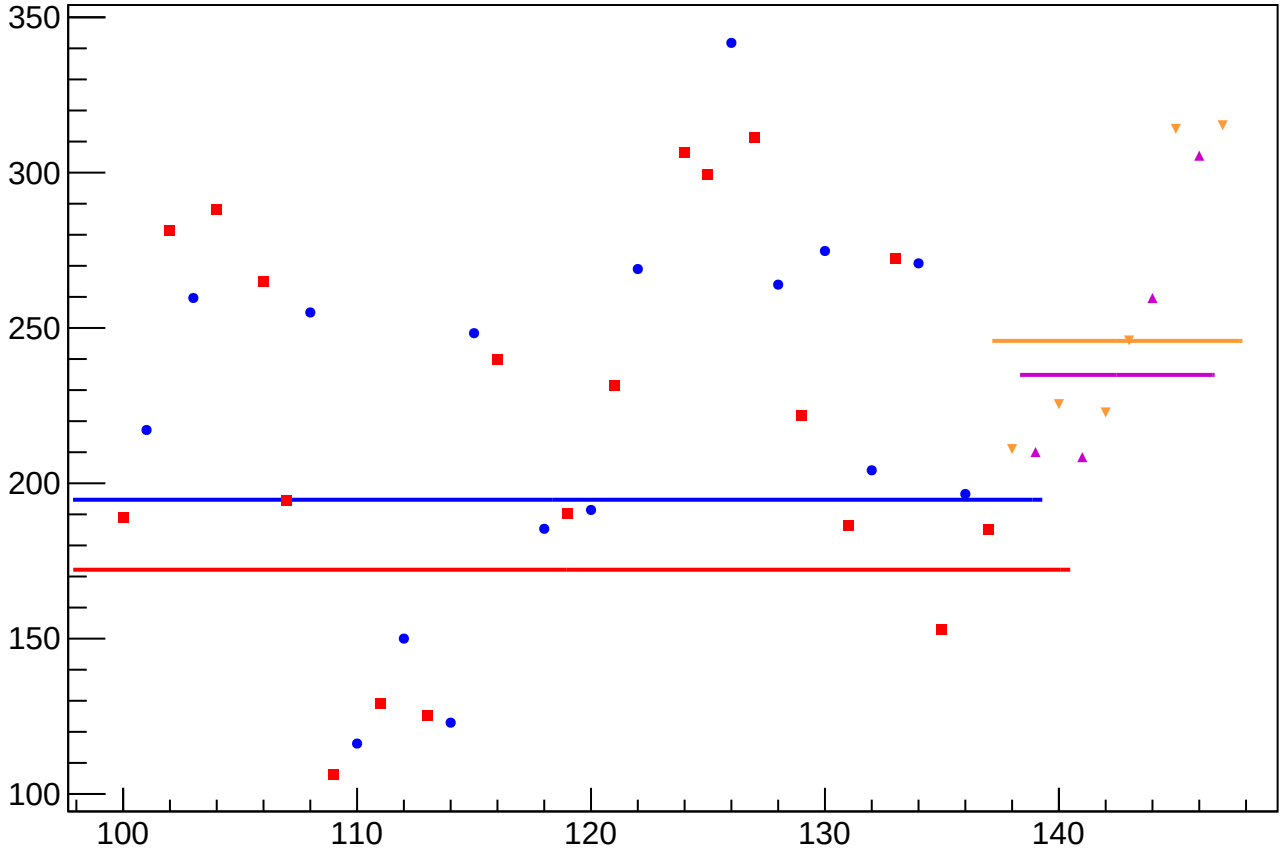
Left In: -240.893+/-127.488 χ^2/NDF:1.4/3

+ sign 47.925+/-64.259 χ^2/NDF: 21.3/21

All: 54.334+/-43.961 χ^2/NDF: 41.5/44

- sign 59.972+/-60.272 χ^2/NDF: 20.2/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 245.842+/-0.084 χ^2/NDF:219936.9/5

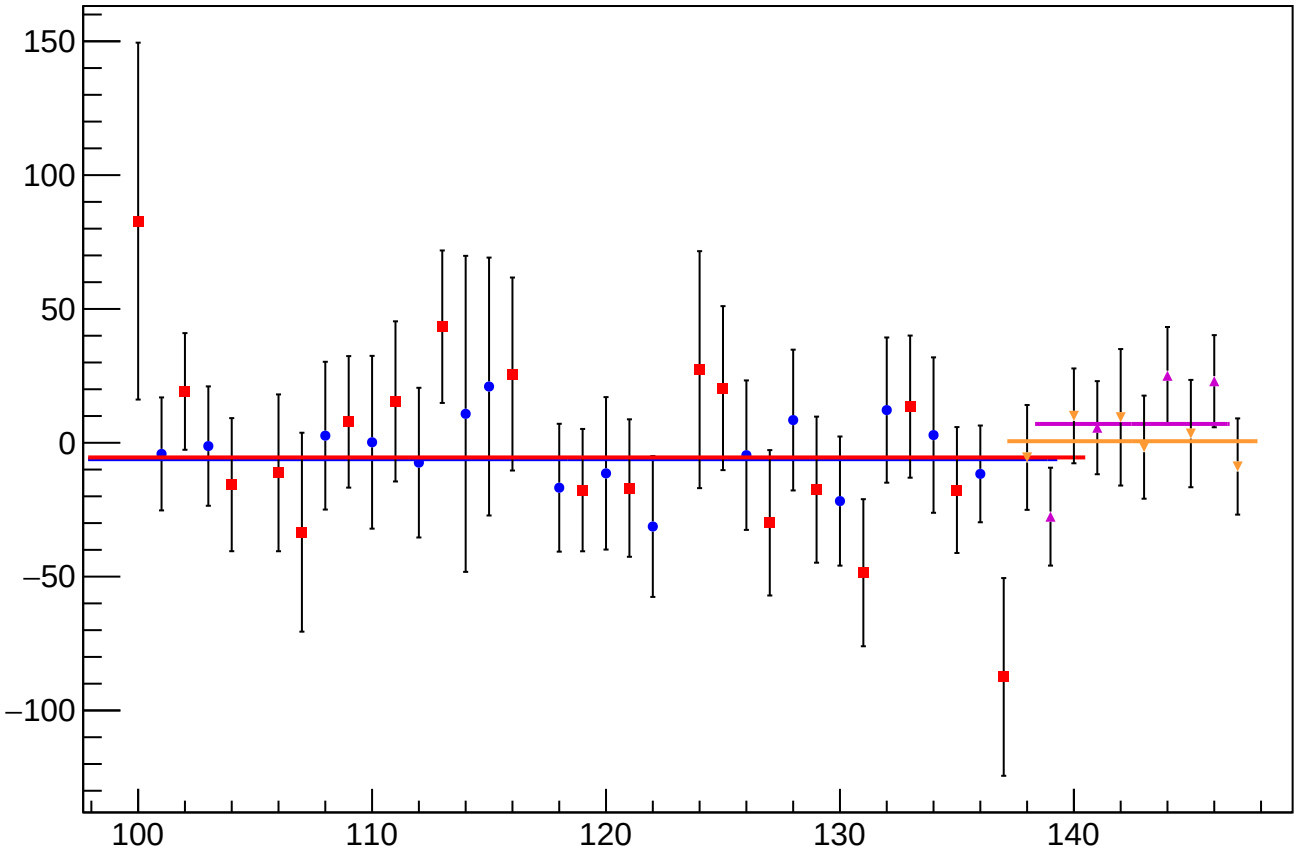
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

+ sign 209.830+/-0.045 χ^2/NDF: 1535987.8/21

All: 197.260+/-0.031 χ^2/NDF: 3888548.2/44

- sign 186.202+/-0.043 χ^2/NDF: 2208708.7/22



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.589+/-8.004 χ^2/NDF:0.8/5

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

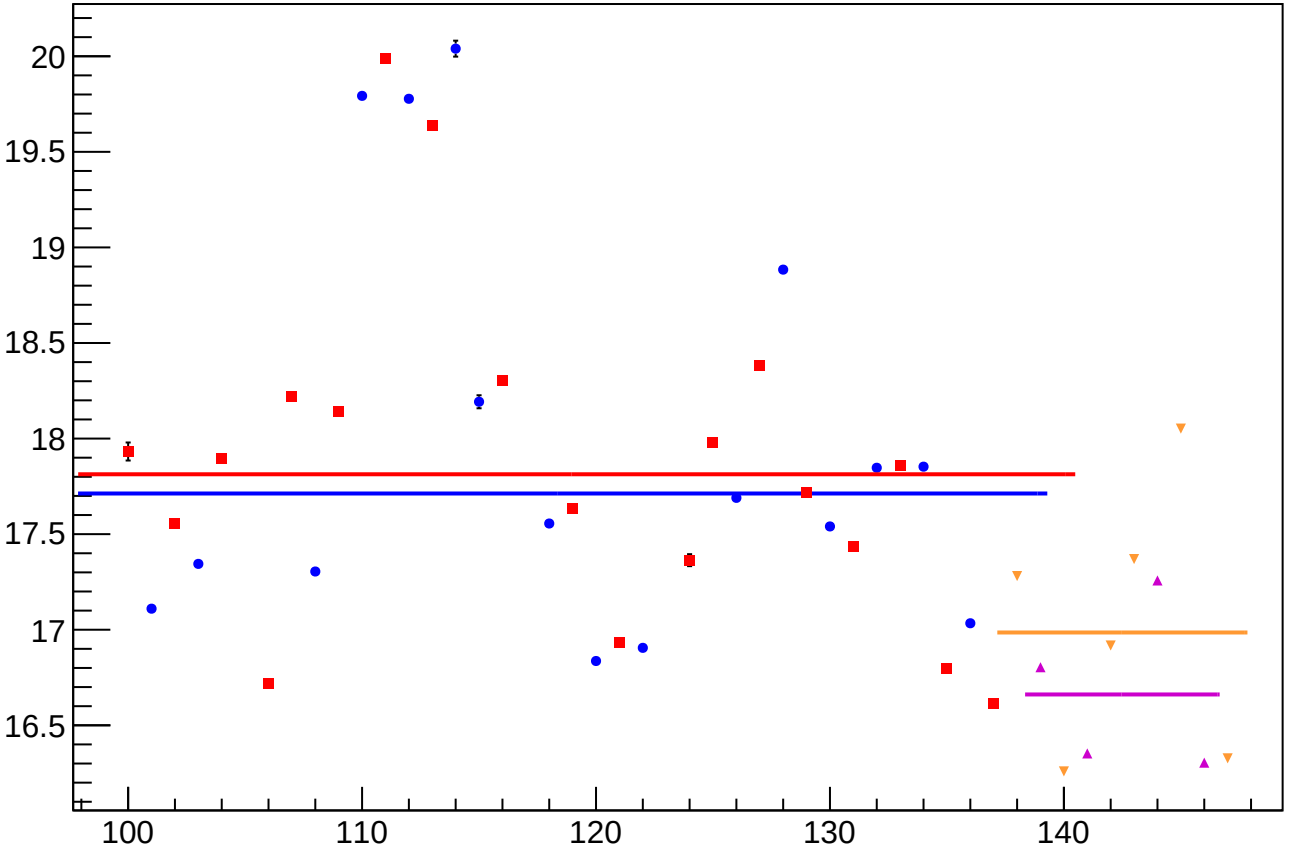
Left In: 7.041+/-8.878 χ^2/NDF:5.4/3

+ sign -3.408+/-5.089 χ^2/NDF: 4.4/21

All: -2.288+/-3.654 χ^2/NDF: 30.4/44

- sign -1.096+/-5.249 χ^2/NDF: 25.9/22

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: 16.986+/-0.006 χ^2/NDF:12973.8/5

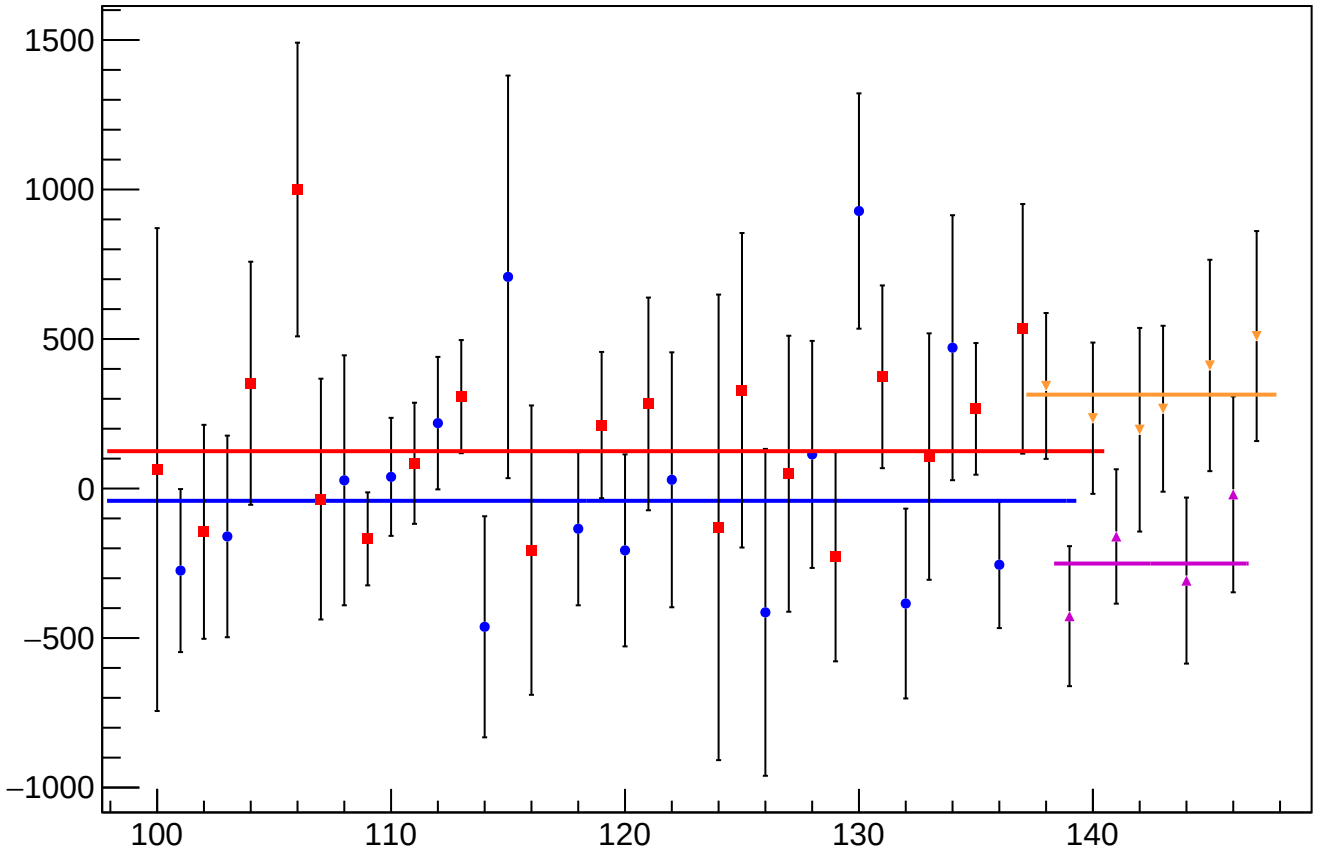
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

+ sign 17.419+/-0.004 χ^2/NDF: 58791.0/21

All: 17.415+/-0.003 χ^2/NDF: 117160.9/44

- sign 17.411+/-0.004 χ^2/NDF: 58367.3/22



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 314.004+/-119.379 χ^2/NDF:0.6/5

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

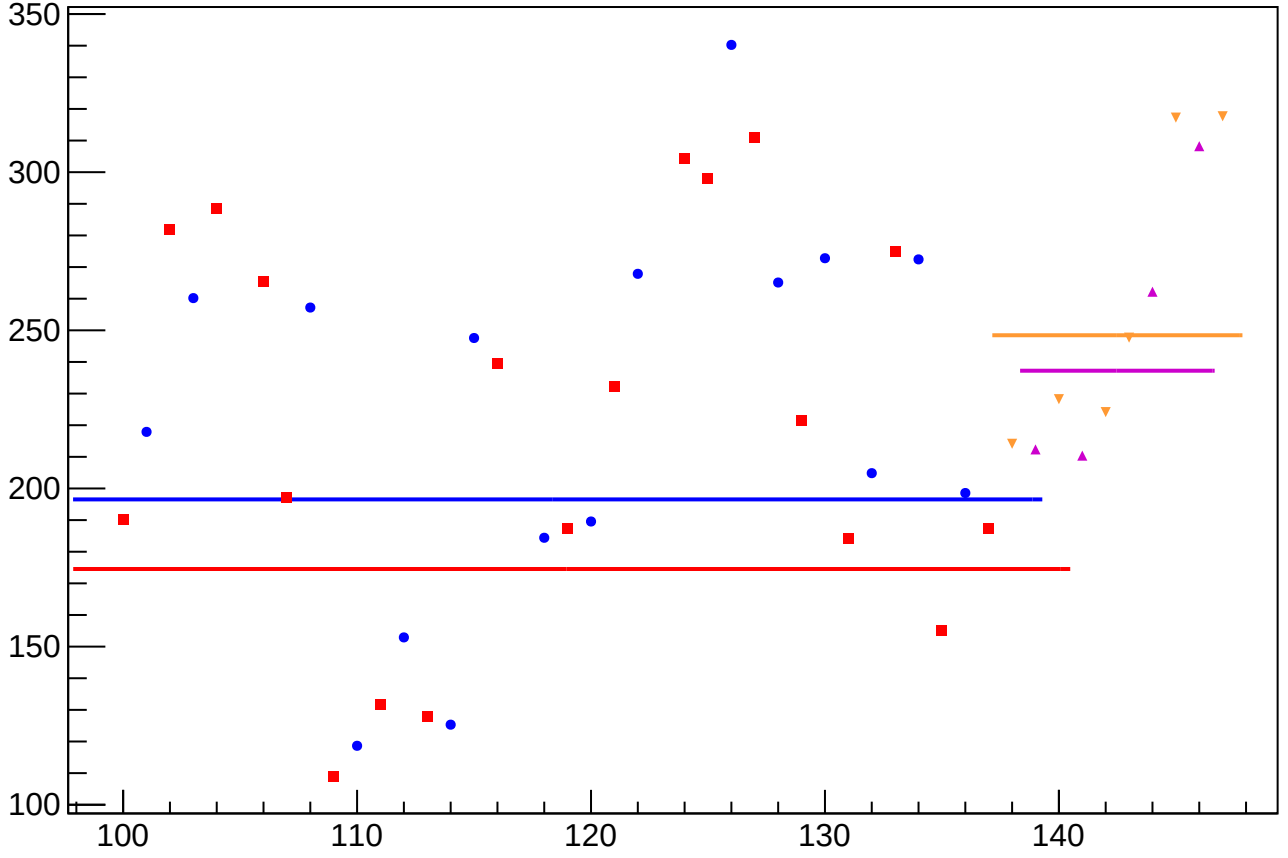
Left In: -250.890+/-128.736 χ^2/NDF:1.3/3

\+ sign 63.485+/-64.790 χ^2/NDF: 22.5/21

All: 51.445+/-44.370 χ^2/NDF: 43.3/44

\- sign 40.811+/-60.890 χ^2/NDF: 20.8/22

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 248.443+/-0.084 χ^2/NDF:216102.8/5

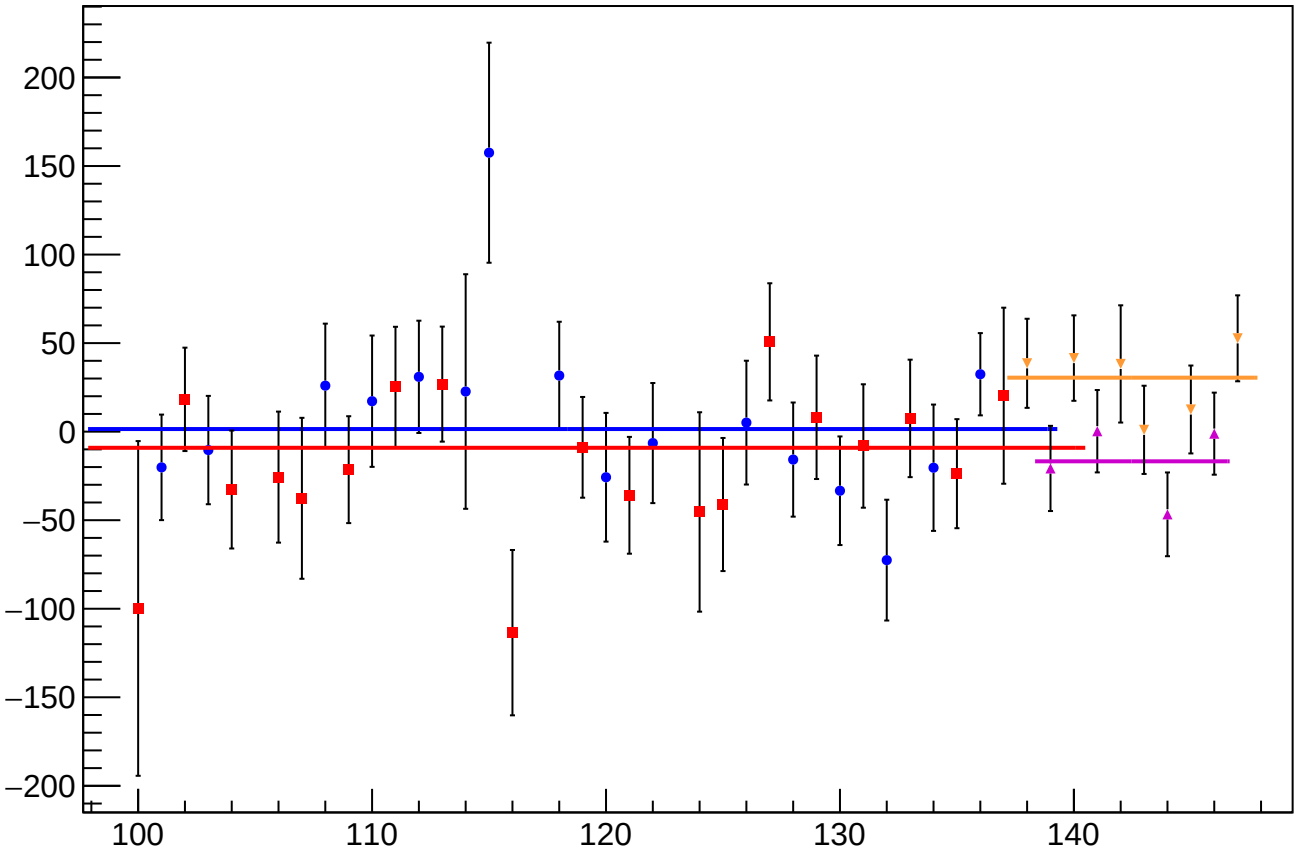
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

+ sign 211.829+/-0.046 χ^2/NDF: 1483550.2/21

All: 199.476+/-0.031 χ^2/NDF: 3738628.9/44

- sign 188.564+/-0.043 χ^2/NDF: 2118142.7/22



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 30.481+/-10.457 χ^2/NDF:3.1/5

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

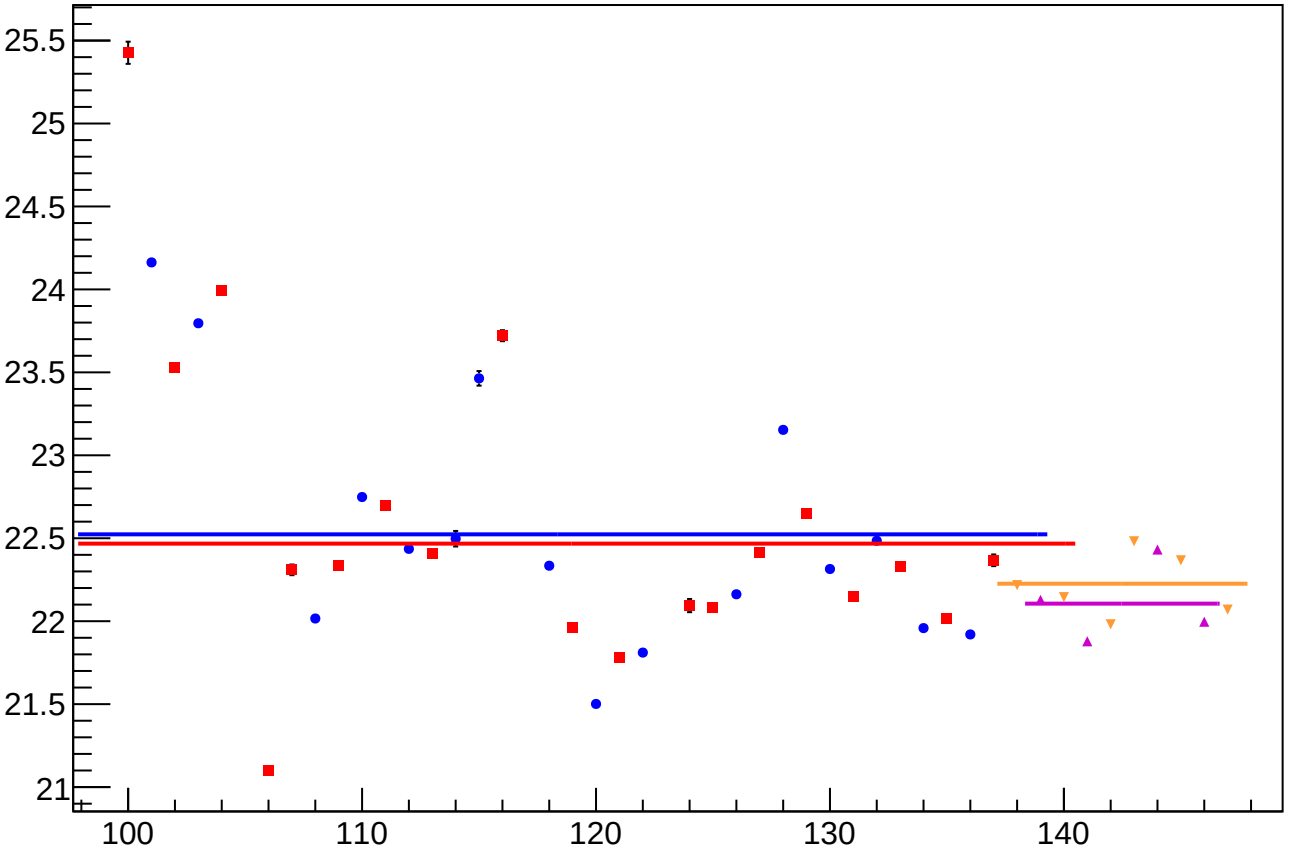
Left In: -16.748+/-11.763 χ^2/NDF:2.6/3

\+ sign 12.802+/-6.535 χ^2/NDF: 26.5/21

All: 0.947+/-4.687 χ^2/NDF: 52.6/44

\- sign -11.609+/-6.725 χ^2/NDF: 19.4/22

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: 22.226+/-0.007 χ^2/NDF:490.3/5

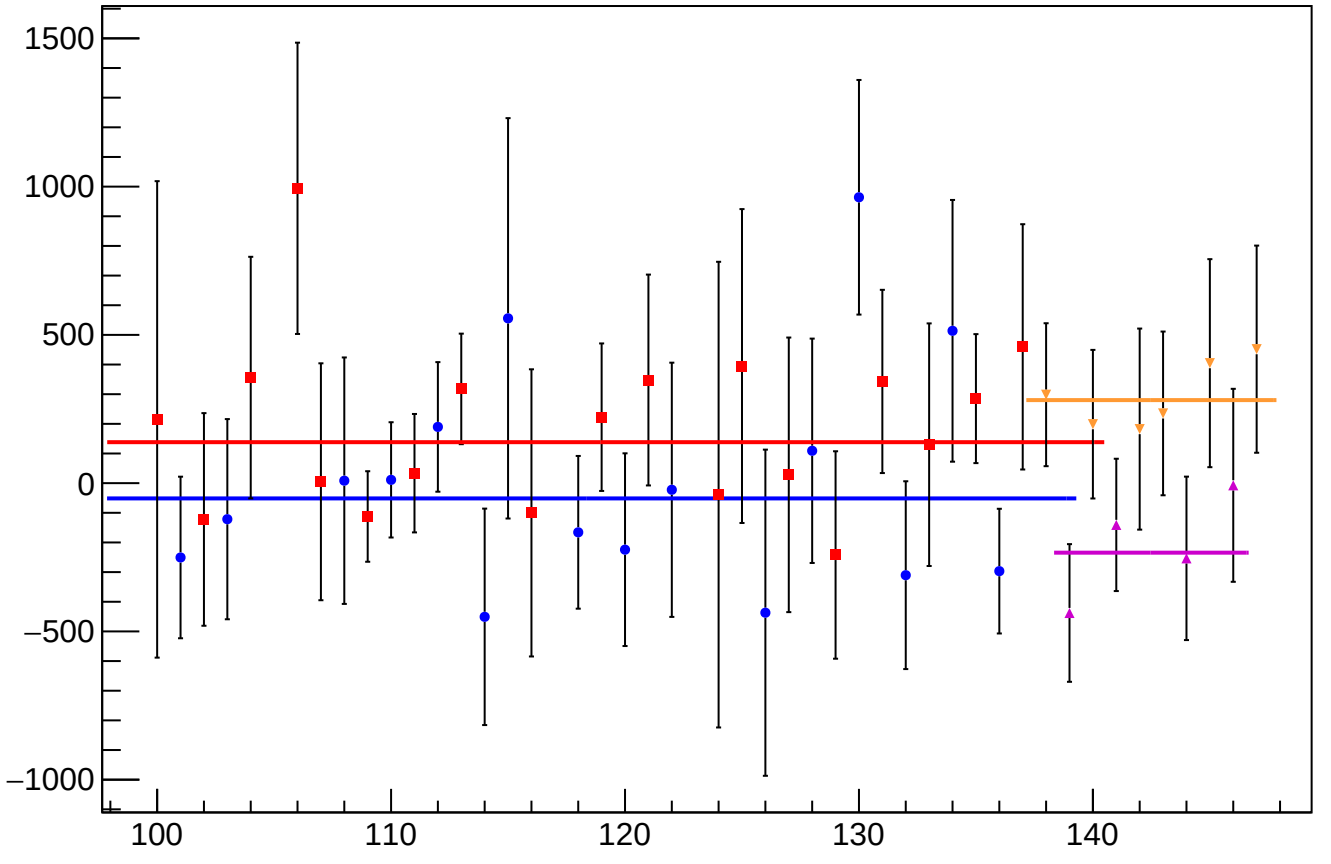
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

+ sign 22.407+/-0.005 χ^2/NDF: 17425.4/21

All: 22.379+/-0.003 χ^2/NDF: 35018.0/44

- sign 22.349+/-0.005 χ^2/NDF: 17516.1/22



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 280.061+/-118.441 χ^2/NDF:0.6/5

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

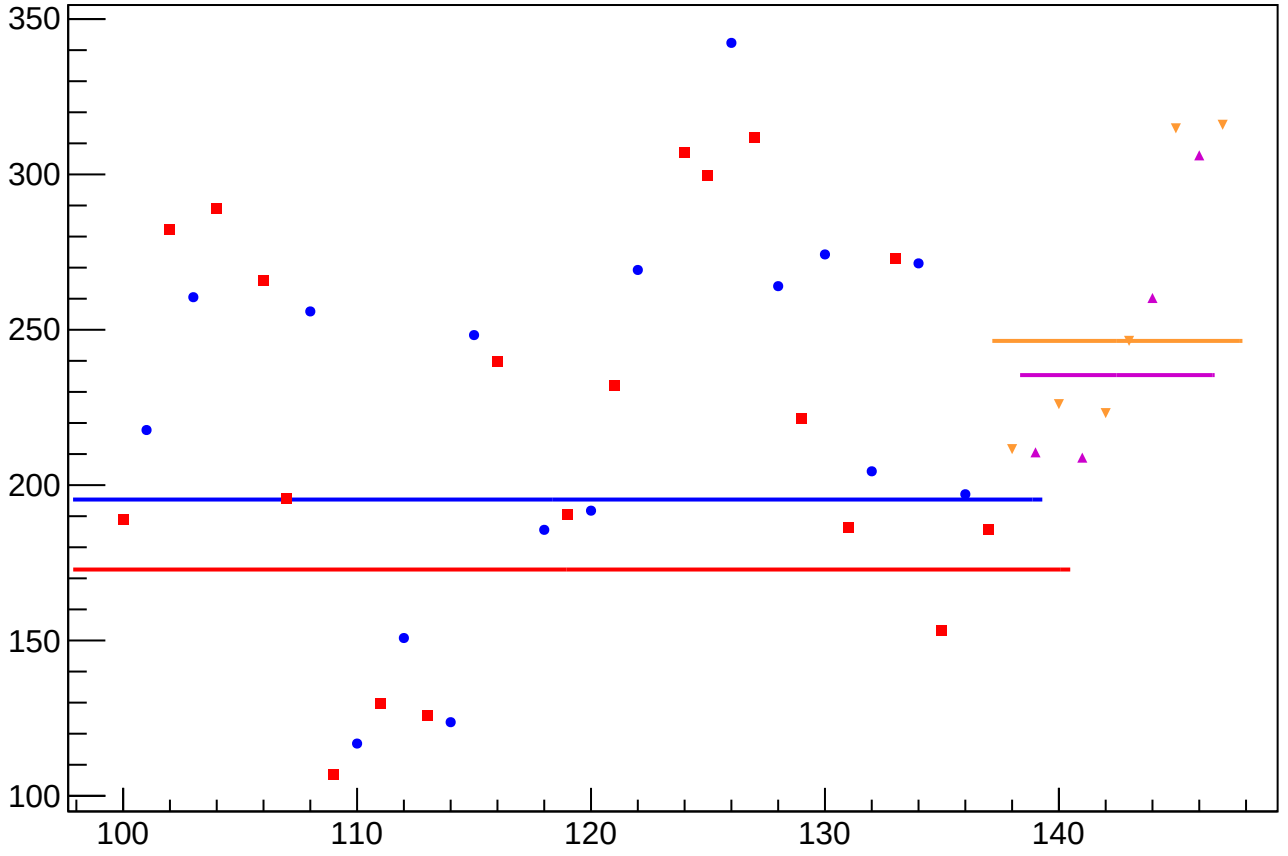
Left In: -234.435+/-127.769 χ^2/NDF:1.4/3

\+ sign 46.644+/-64.438 χ^2/NDF: 21.4/21

All: 50.960+/-44.089 χ^2/NDF: 41.1/44

\- sign 54.759+/-60.456 χ^2/NDF: 19.6/22

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: 246.419+/-0.084 χ^2/NDF:219771.8/5

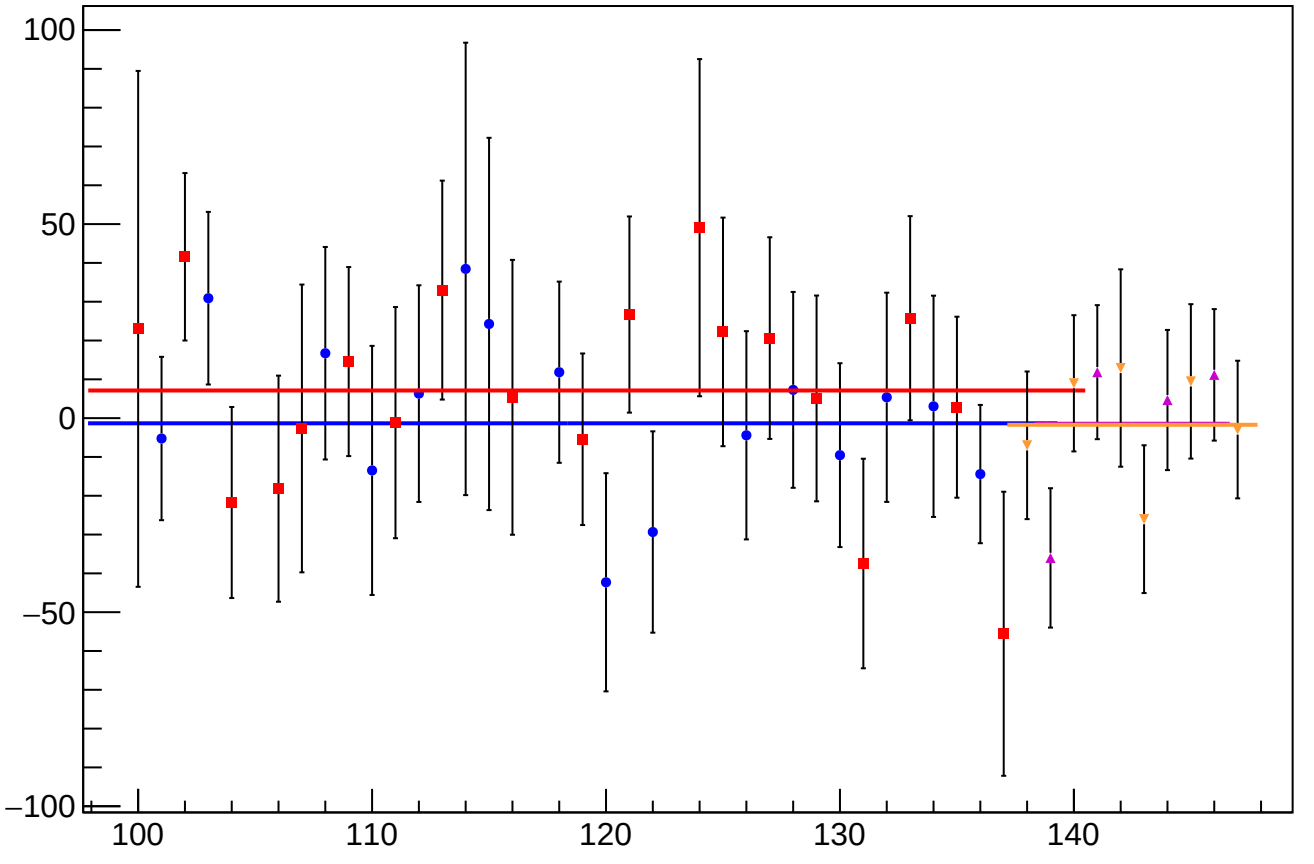
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

+ sign 210.473+/-0.046 χ^2/NDF: 1522860.2/21

All: 197.908+/-0.031 χ^2/NDF: 3859587.6/44

- sign 186.847+/-0.043 χ^2/NDF: 2193729.5/22



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -1.712+/-7.901 χ^2/NDF:2.7/5

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

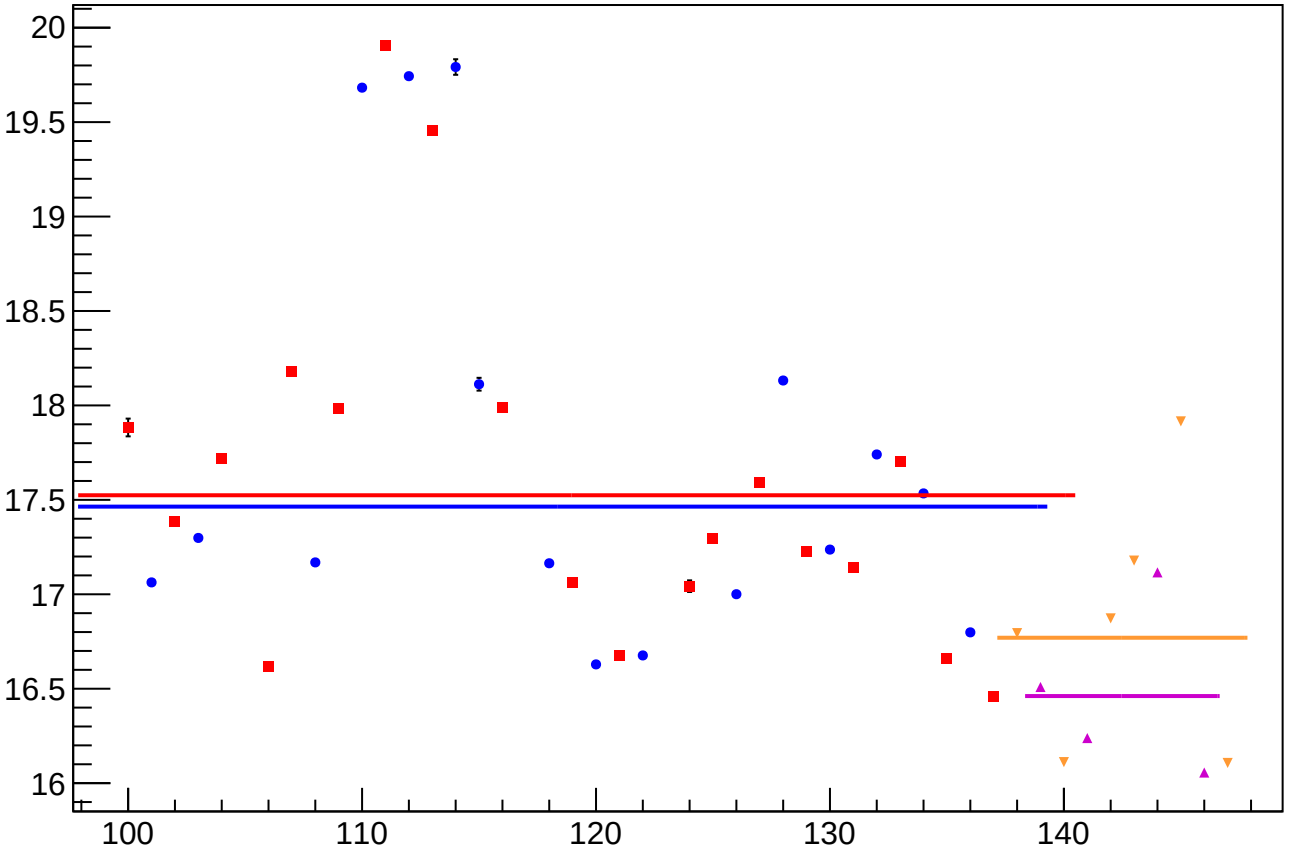
Left In: -1.444+/-8.769 χ^2/NDF:5.0/3

+ sign -1.485+/-5.019 χ^2/NDF: 10.8/21

All: 1.247+/-3.601 χ^2/NDF: 31.4/44

- sign 4.147+/-5.171 χ^2/NDF: 20.0/22

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: 16.770+/-0.006 χ^2/NDF:13199.0/5

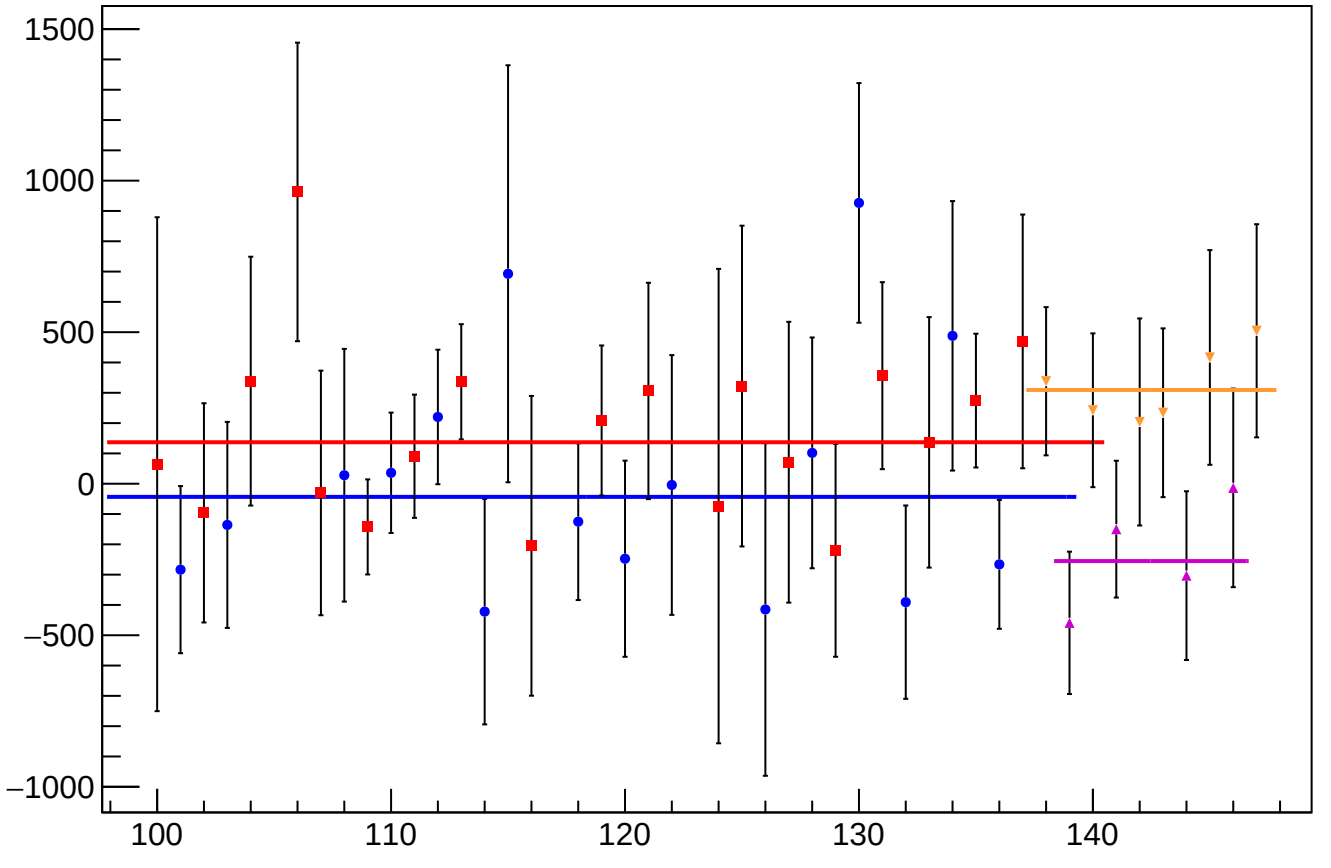
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

\+ sign 17.184+/-0.004 χ^2/NDF: 59060.6/21

All: 17.170+/-0.003 χ^2/NDF: 117114.7/44

\- sign 17.155+/-0.004 χ^2/NDF: 58021.0/22



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 309.367+/-119.722 χ^2/NDF:0.7/5

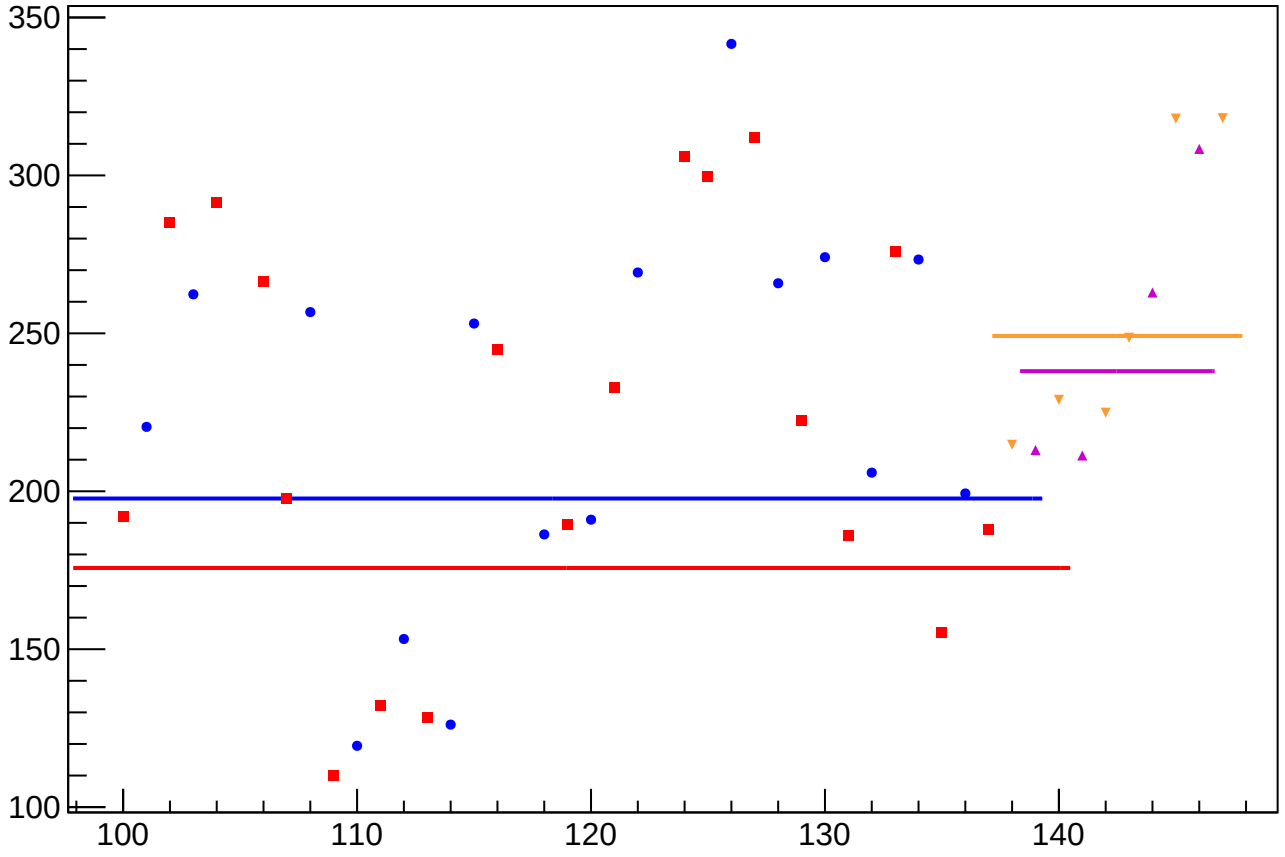
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -255.205+/-129.140 χ^2/NDF:1.5/3

\+ sign 60.942+/-65.108 χ^2/NDF: 22.2/21

All: 54.411+/-44.608 χ^2/NDF: 42.5/44

\- sign 48.633+/-61.239 χ^2/NDF: 20.2/22



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.177+/-0.085 χ^2/NDF:214866.3/5

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

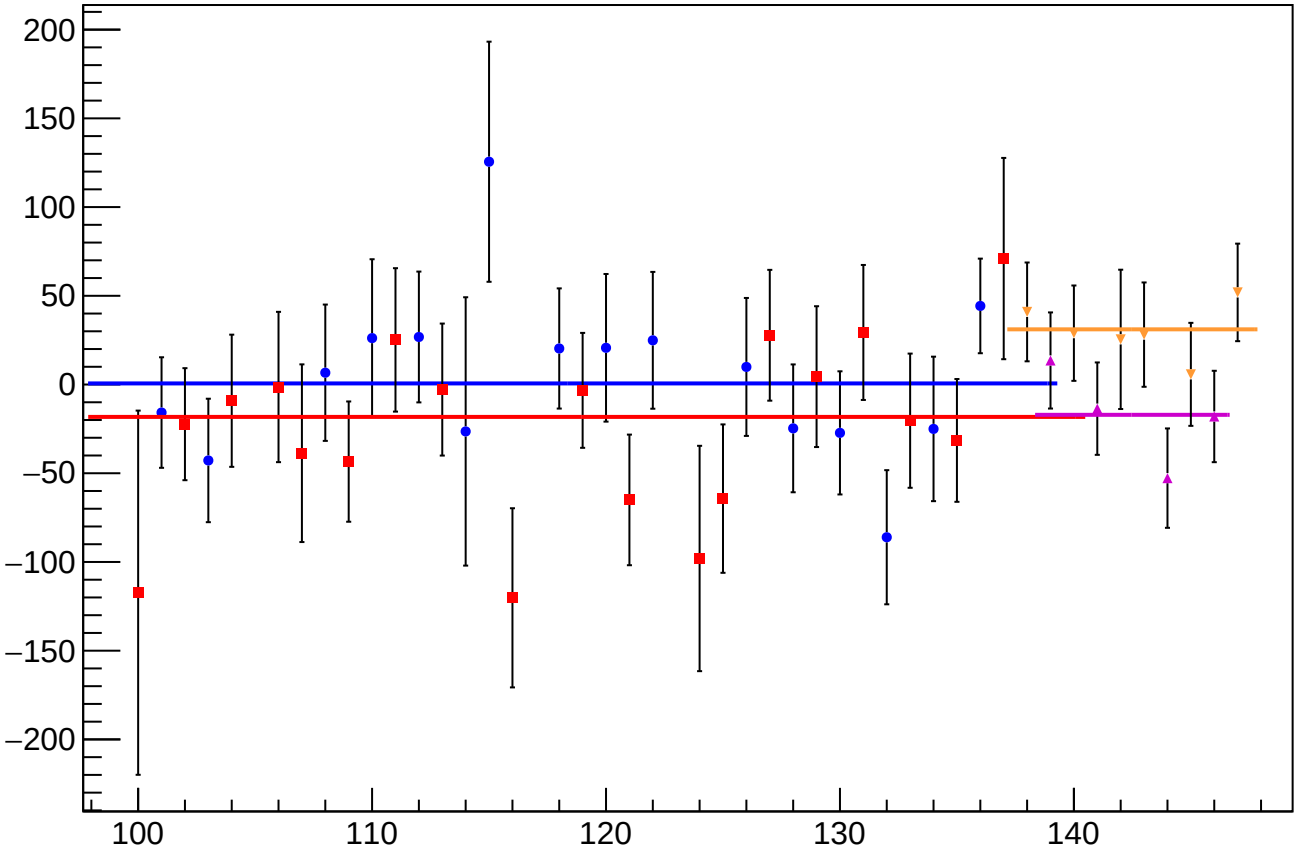
Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

+ sign 212.929+/-0.046 χ^2/NDF: 1475512.4/21

All: 200.619+/-0.032 χ^2/NDF: 3720501.7/44

- sign 189.728+/-0.043 χ^2/NDF: 2110231.2/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.102+/-11.959 χ^2/NDF:1.5/5

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

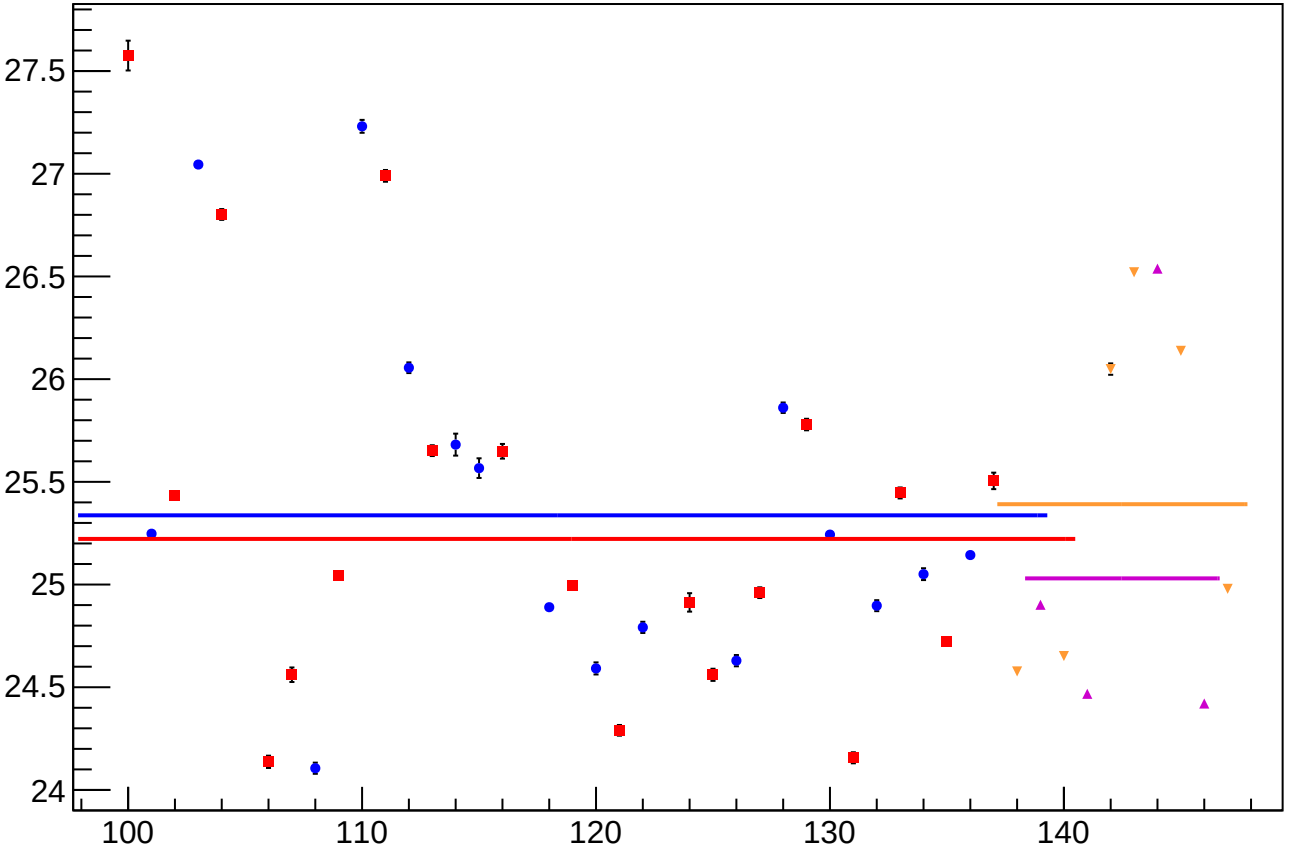
Left In: -17.076+/-13.338 χ^2/NDF:2.9/3

+ sign 12.293+/-7.401 χ^2/NDF: 22.2/21

All: -2.431+/-5.295 χ^2/NDF: 51.3/44

- sign -17.870+/-7.578 χ^2/NDF: 20.9/22

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: 25.391+/-0.008 χ^2/NDF:8510.3/5

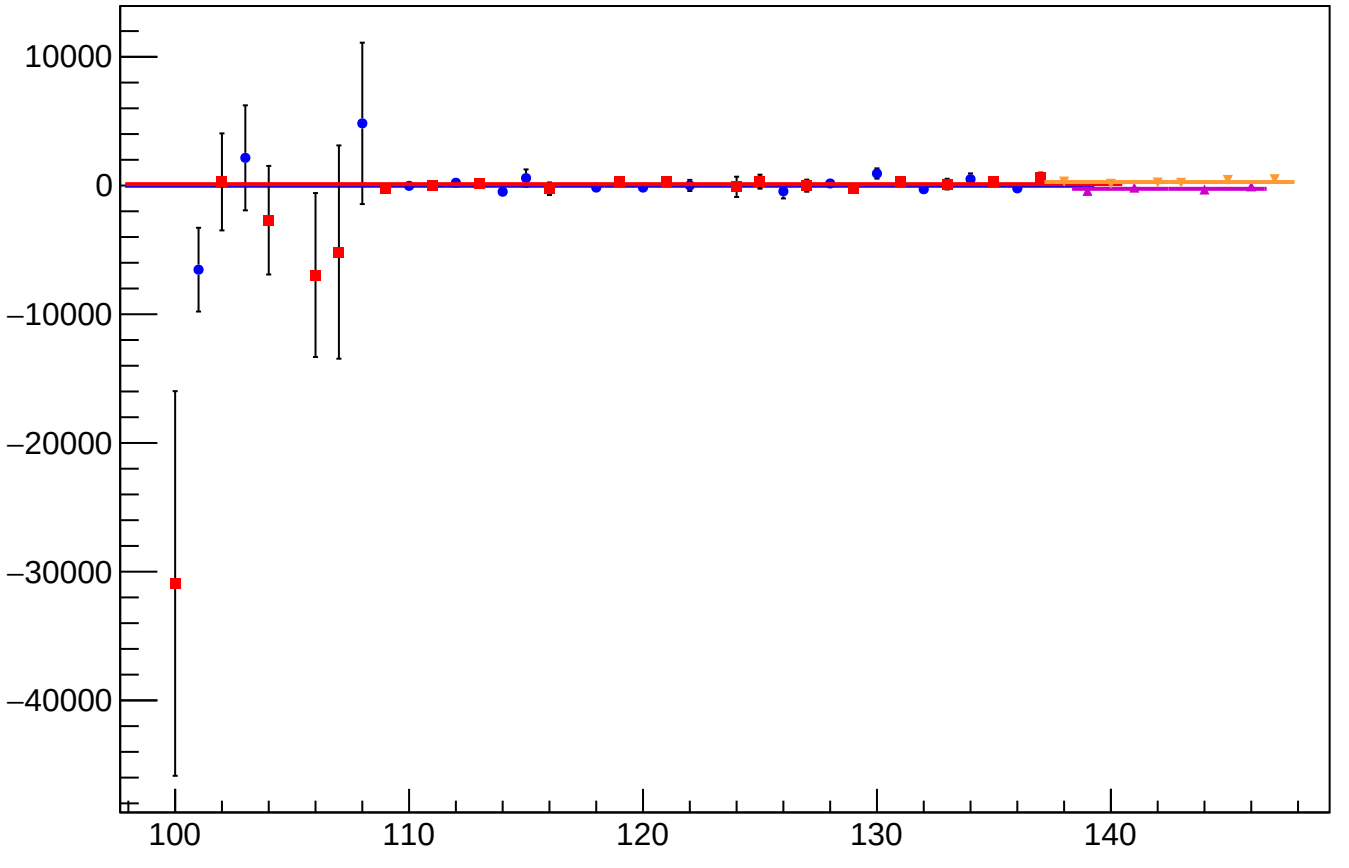
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

\+ sign 25.358+/-0.005 χ^2/NDF: 22850.6/21

All: 25.261+/-0.004 χ^2/NDF: 46946.9/44

\- sign 25.160+/-0.005 χ^2/NDF: 23400.0/22



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 273.865+/-120.507 χ^2/NDF:1.0/5

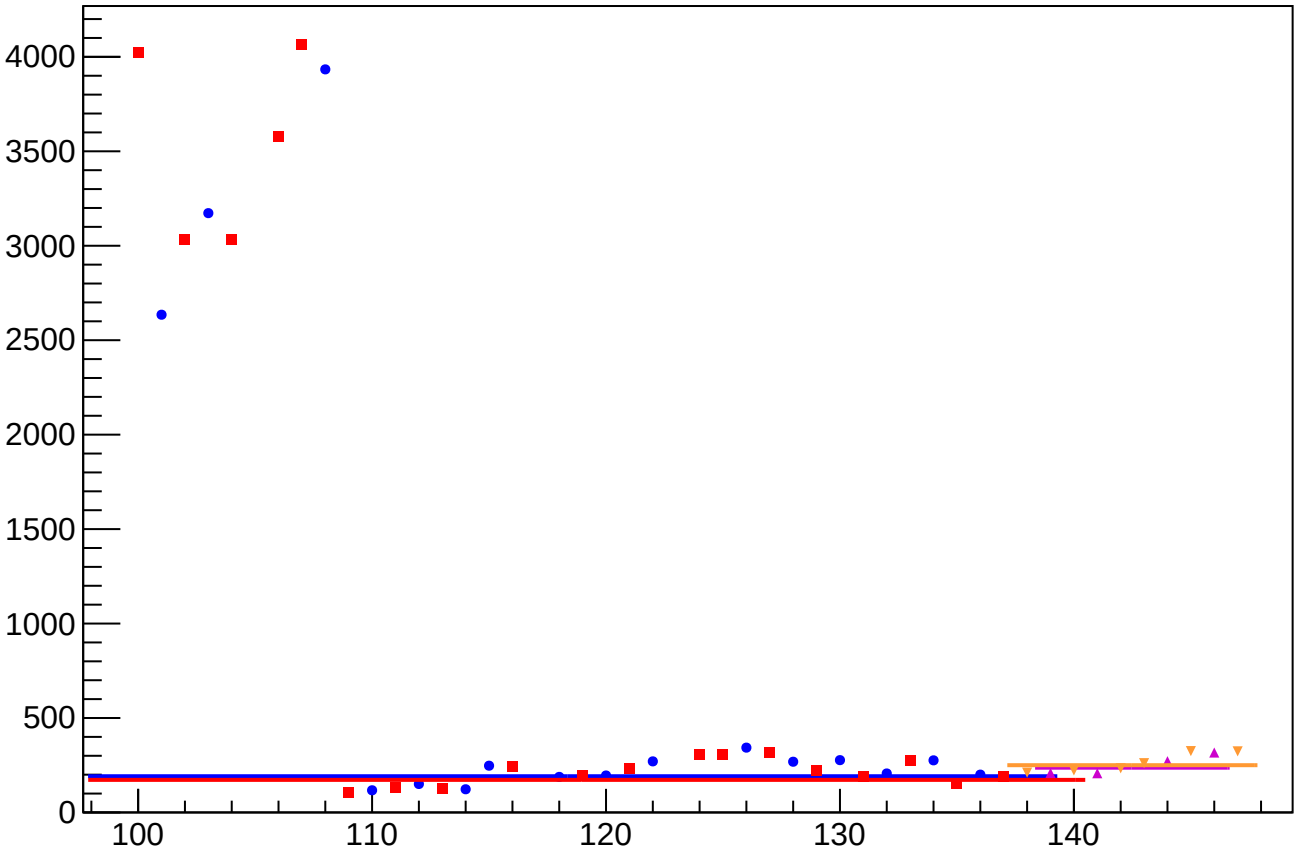
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -254.875+/-129.074 χ^2/NDF:1.0/3

+ sign 80.217+/-69.296 χ^2/NDF: 23.1/21

All: 44.534+/-48.100 χ^2/NDF: 44.5/44

- sign 11.355+/-66.819 χ^2/NDF: 20.9/22



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 250.193+/-0.085 χ^2/NDF:254960.2/5

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

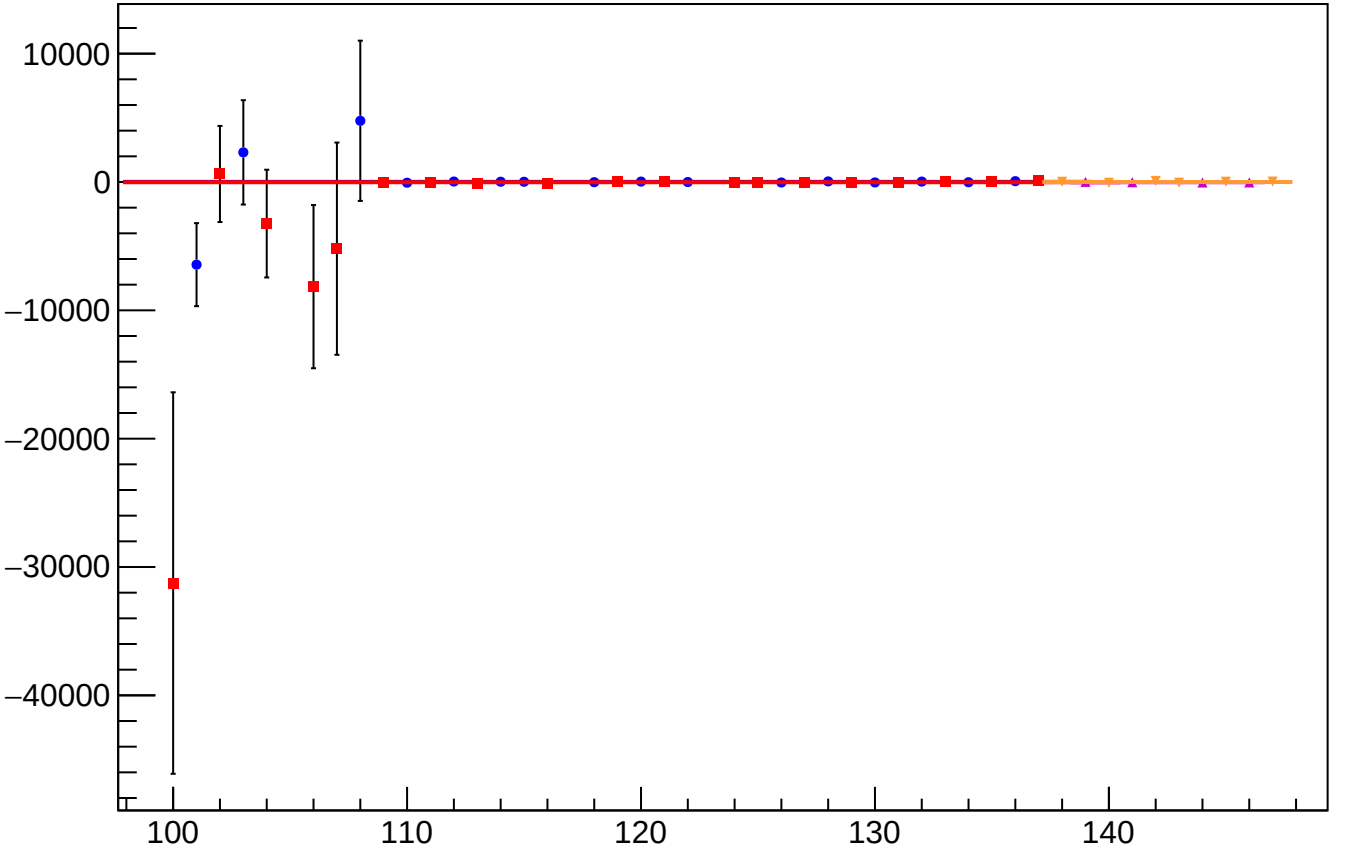
Left In: 236.976+/-0.091 χ^2/NDF:206831.7/3

+ sign 211.065+/-0.049 χ^2/NDF: 4391771.9/21

All: 200.021+/-0.034 χ^2/NDF: 9365520.0/44

- sign 189.752+/-0.047 χ^2/NDF: 4875703.8/22

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: -0.080+/-13.871 χ^2/NDF:11.0/5

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

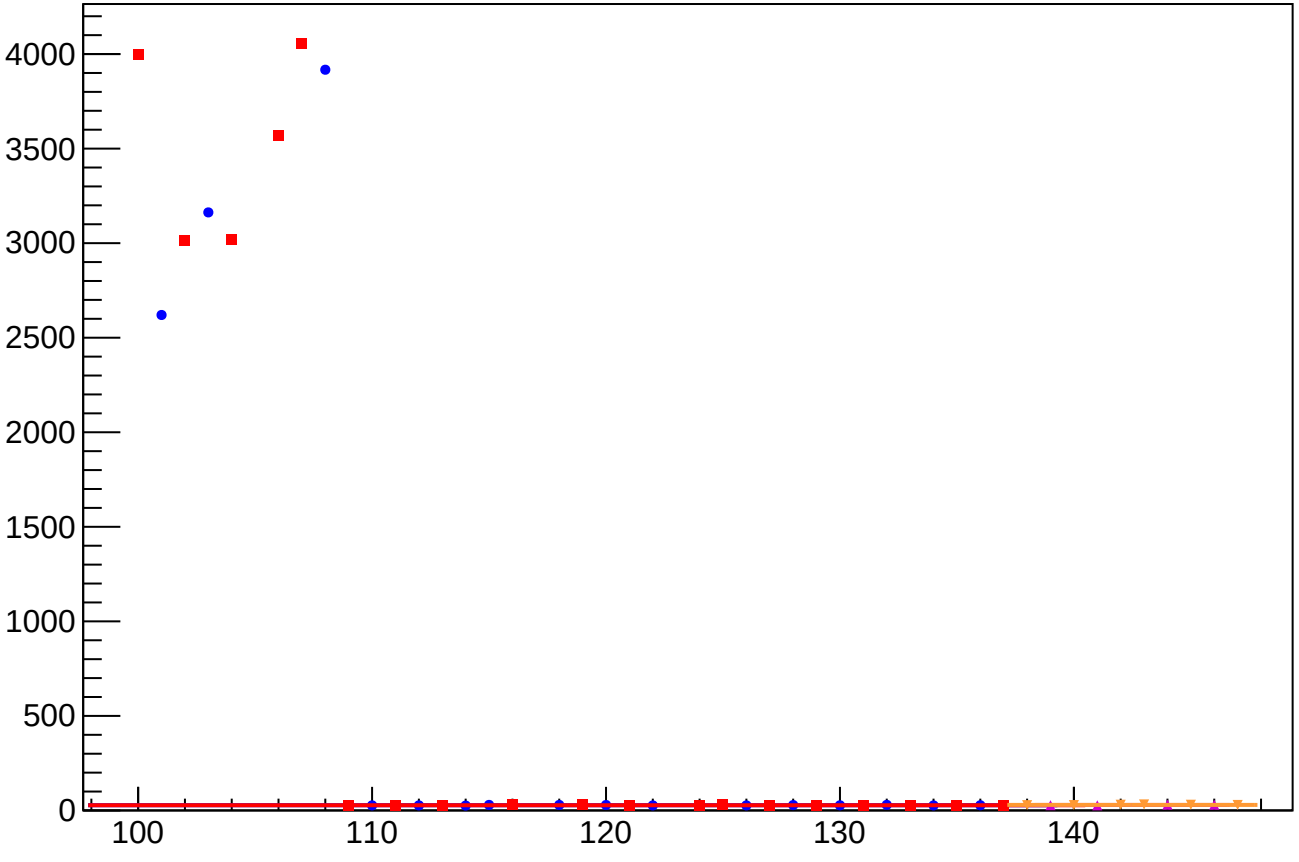
Left In: -18.750+/-15.511 χ^2/NDF:1.4/3

+ sign 5.568+/-8.937 χ^2/NDF: 27.3/21

All: -5.791+/-6.475 χ^2/NDF: 56.9/44

- sign -18.342+/-9.394 χ^2/NDF: 26.2/22

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: 29.345+/-0.010 χ^2/NDF:17995.6/5

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

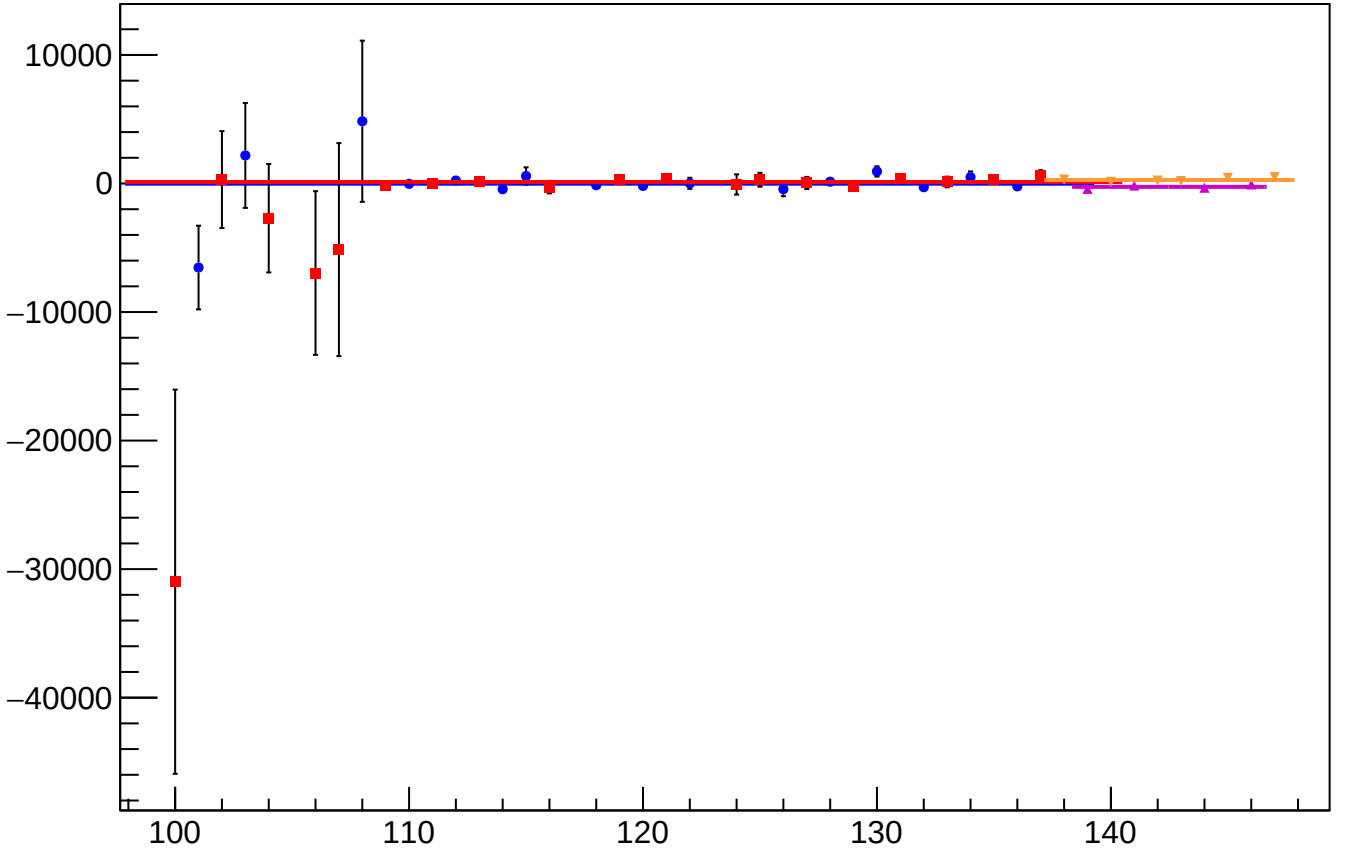
Left In: 29.050+/-0.011 χ^2/NDF:22675.5/3

+ sign 28.348+/-0.006 χ^2/NDF: 3301126.6/21

All: 28.226+/-0.005 χ^2/NDF: 6891913.2/44

- sign 28.091+/-0.007 χ^2/NDF: 3589995.0/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 269.441+/-120.230 χ^2/NDF:1.1/5

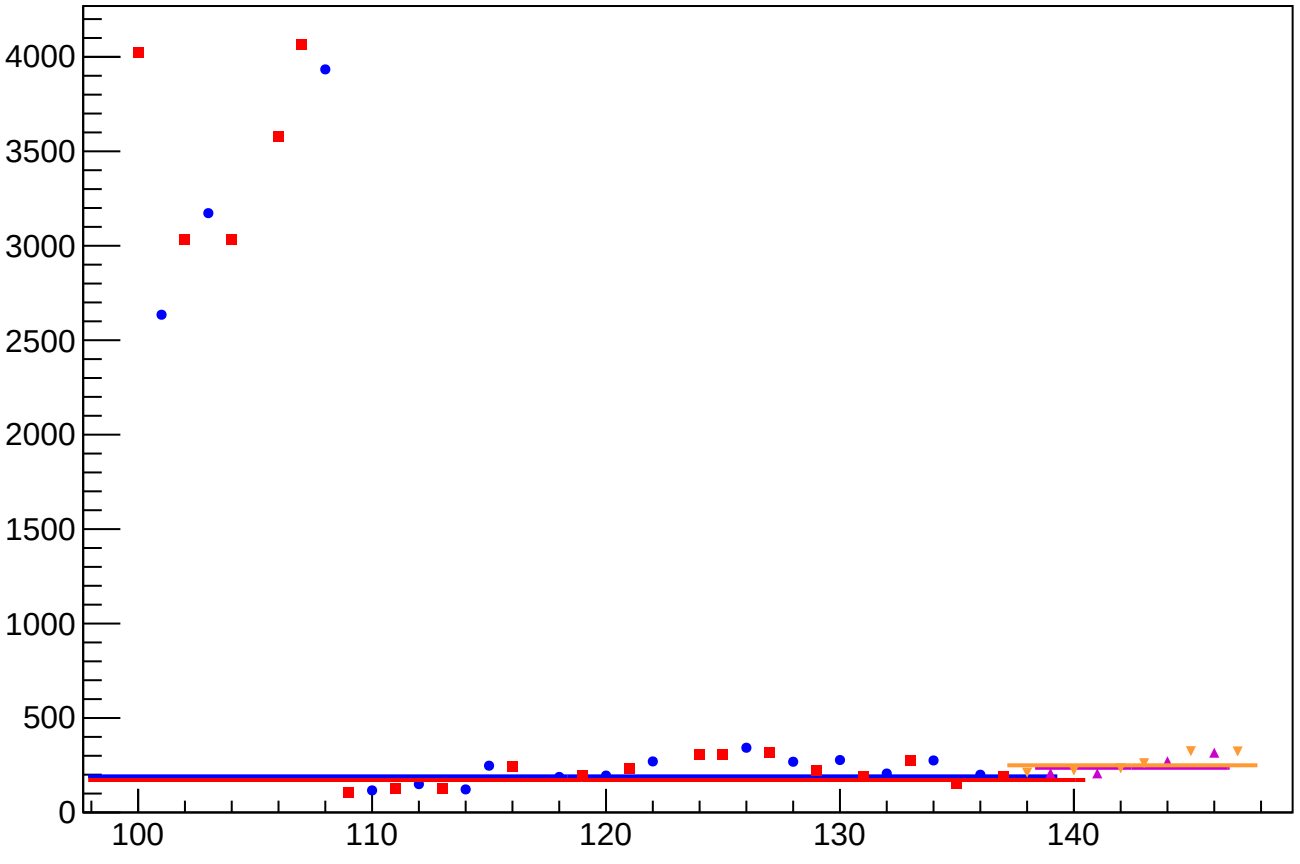
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -261.152+/-128.794 χ^2/NDF:1.0/3

+ sign 80.210+/-69.108 χ^2/NDF: 23.1/21

All: 47.227+/-47.968 χ^2/NDF: 45.3/44

- sign 16.564+/-66.632 χ^2/NDF: 21.8/22



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 249.609+/-0.085 χ^2/NDF:255394.0/5

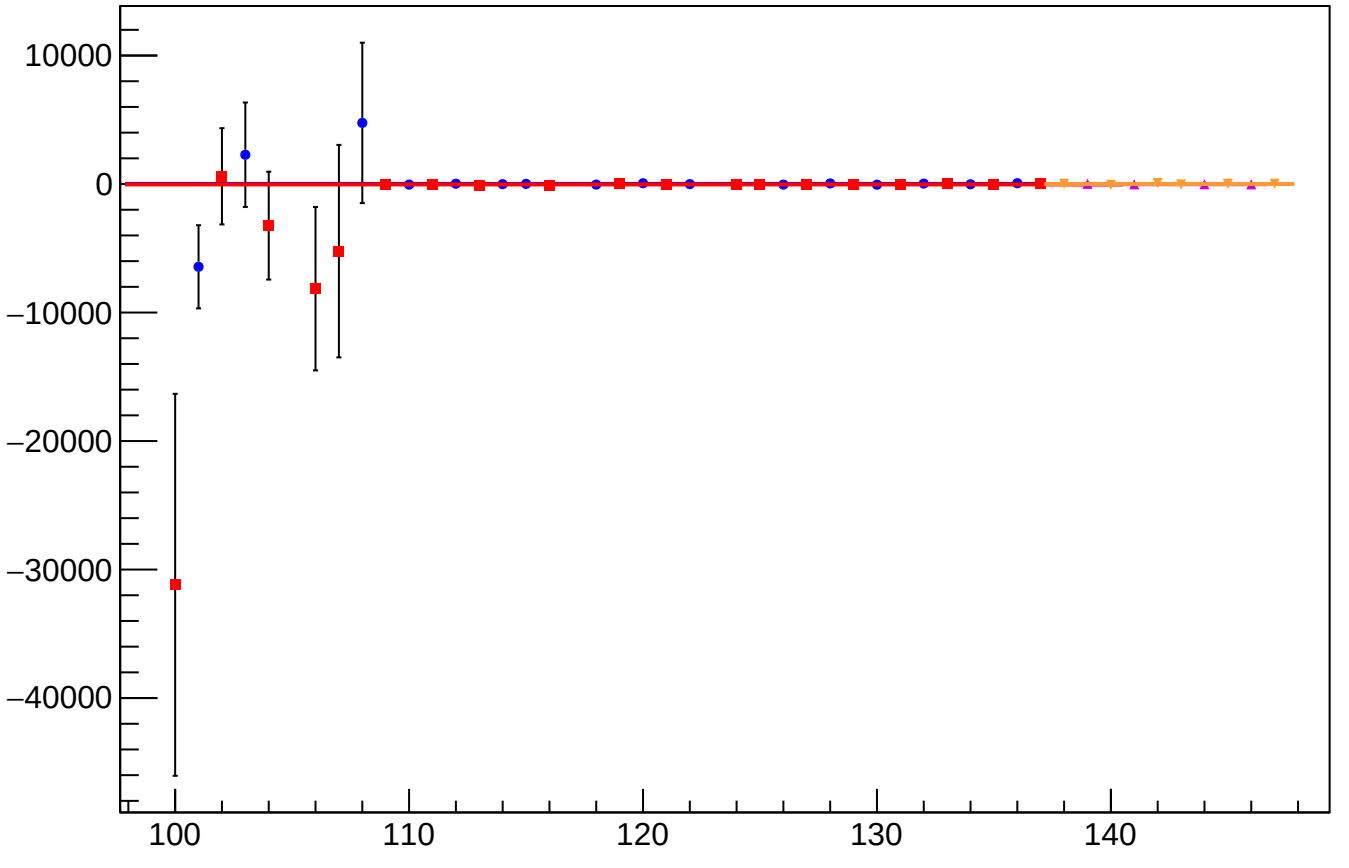
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

\+ sign 210.411+/-0.049 χ^2/NDF: 4406829.8/21

All: 199.384+/-0.034 χ^2/NDF: 9395435.3/44

\- sign 189.133+/-0.047 χ^2/NDF: 4890345.1/22



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 0.828+/-13.965 χ^2/NDF:8.6/5

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

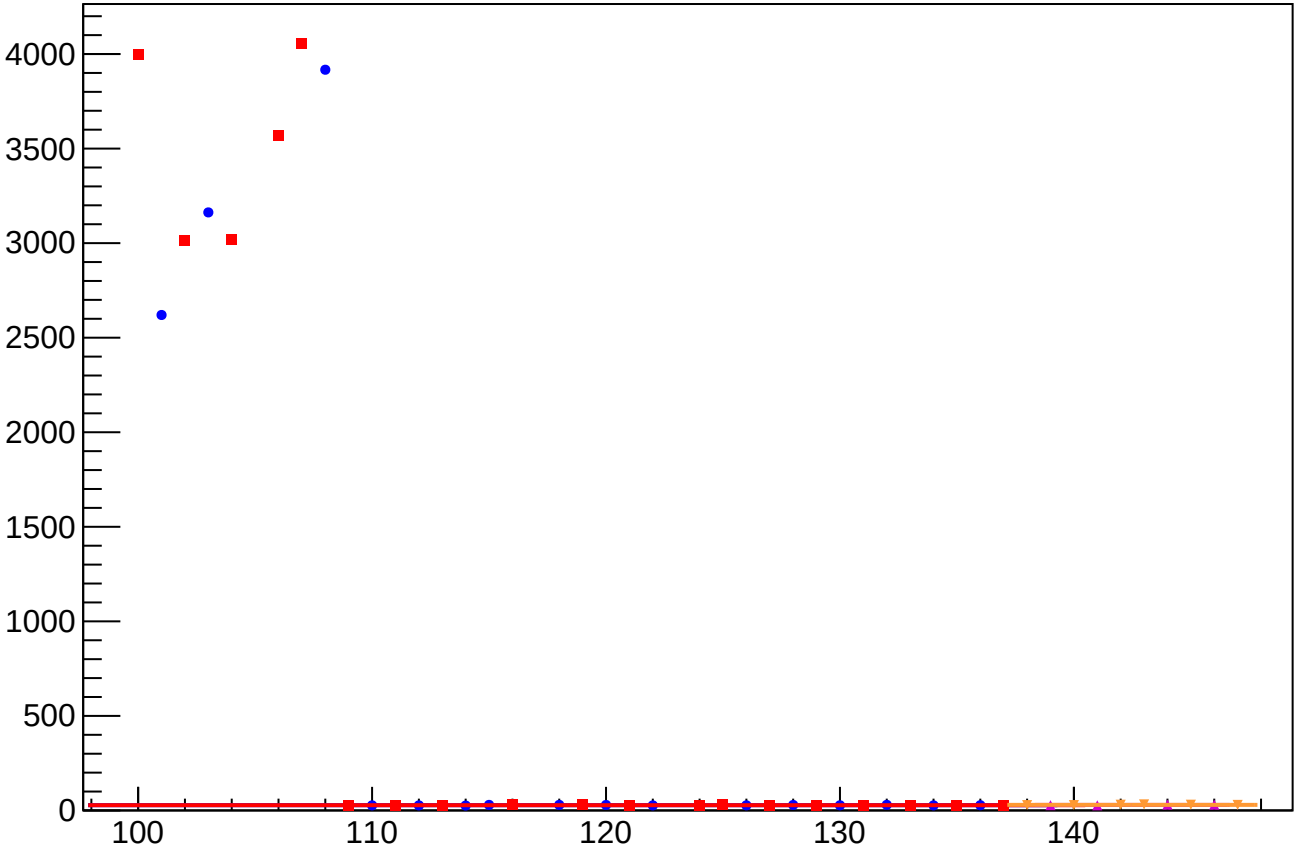
Left In: -12.373+/-15.601 χ^2/NDF:1.1/3

+ sign 4.140+/-8.997 χ^2/NDF: 27.0/21

All: -9.280+/-6.520 χ^2/NDF: 53.6/44

- sign -24.124+/-9.463 χ^2/NDF: 21.9/22

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: 29.541+/-0.010 χ^2/NDF:18342.4/5

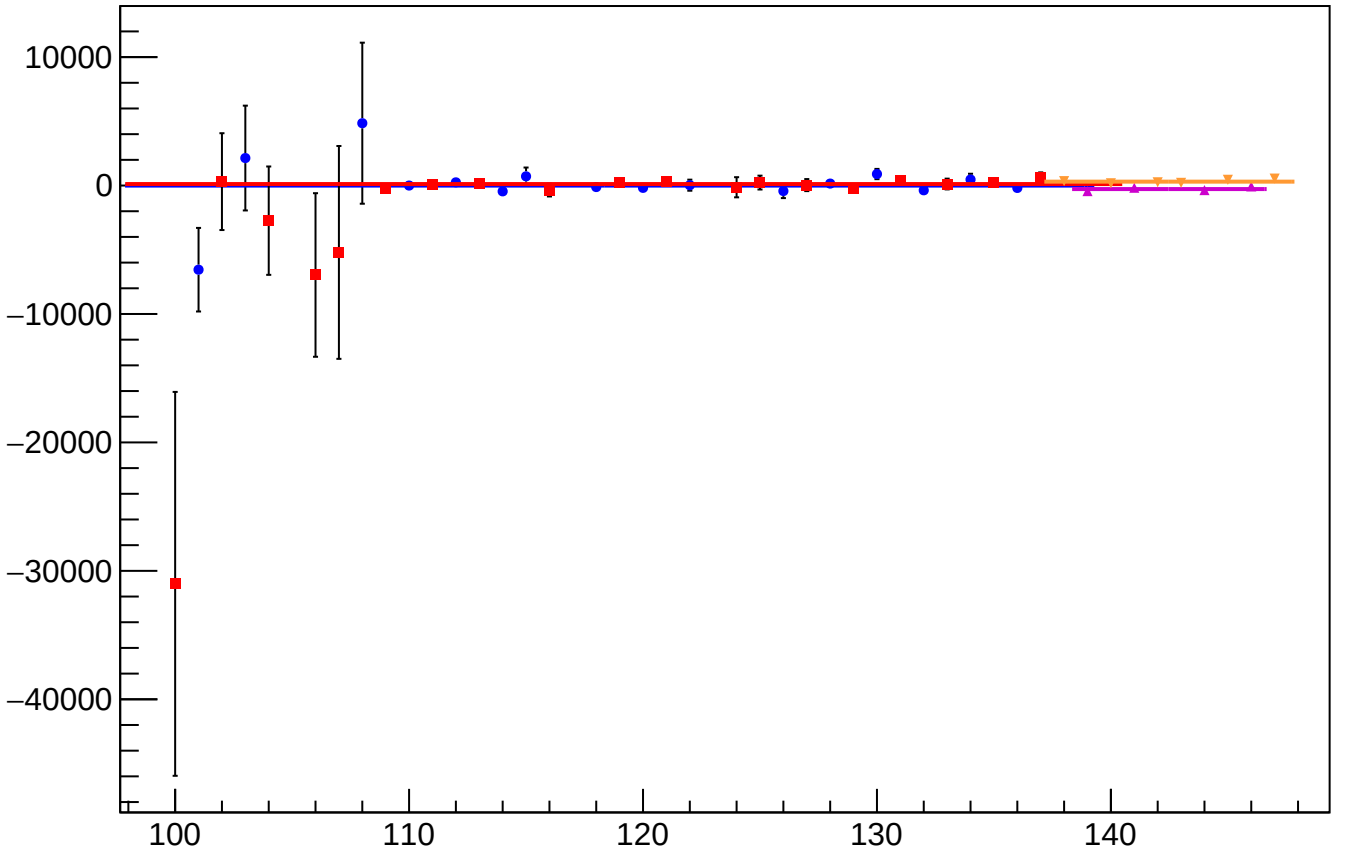
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

+ sign 28.537+/-0.006 χ^2/NDF: 3301895.4/21

All: 28.420+/-0.005 χ^2/NDF: 6897336.9/44

- sign 28.290+/-0.007 χ^2/NDF: 3594726.7/22



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 303.533+/-121.784 χ^2/NDF:1.0/5

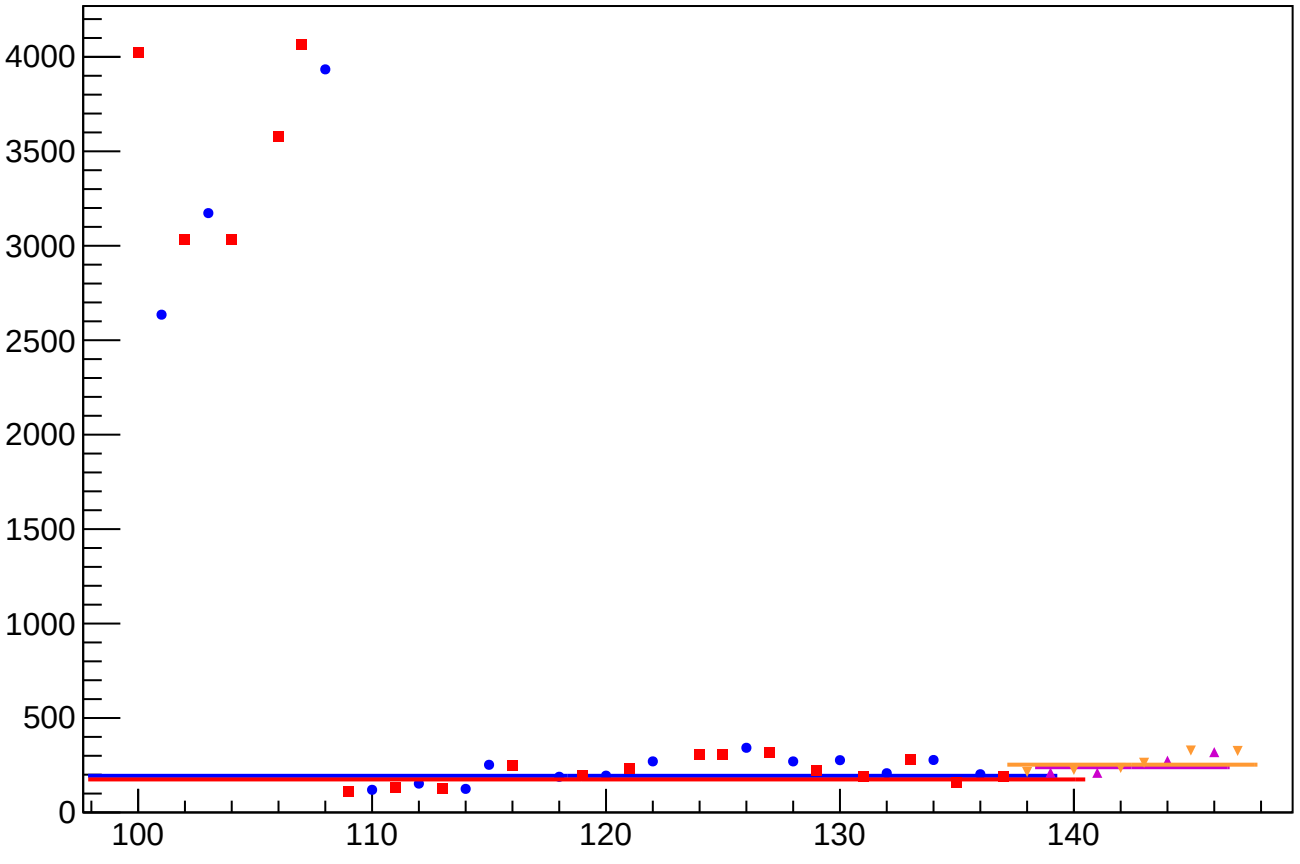
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -274.518+/-130.425 χ^2/NDF:1.1/3

+ sign 98.354+/-69.981 χ^2/NDF: 23.5/21

All: 53.176+/-48.598 χ^2/NDF: 45.8/44

- sign 11.093+/-67.541 χ^2/NDF: 21.5/22



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 252.951+/-0.086 χ^2/NDF:248966.7/5

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

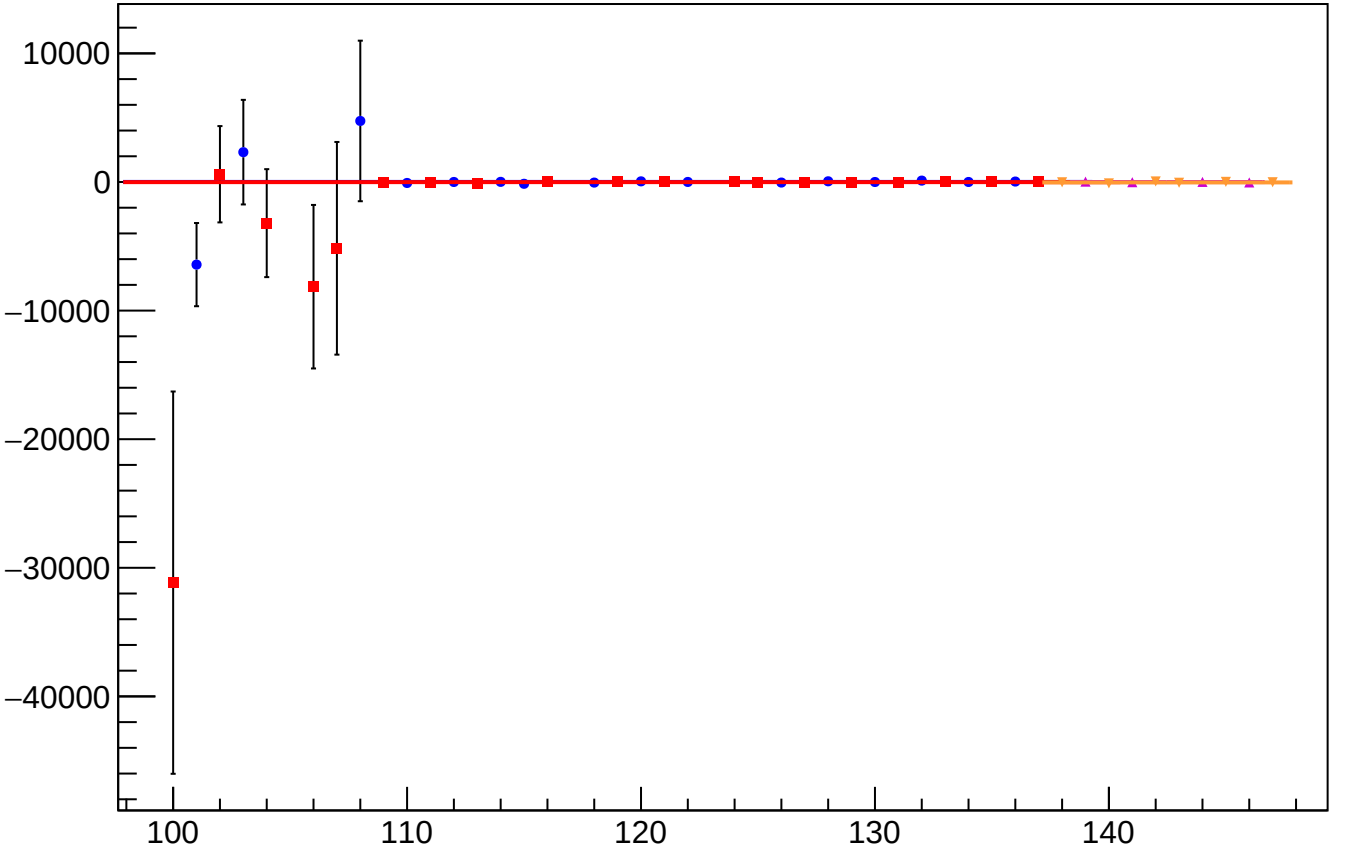
Left In: 239.555+/-0.092 χ^2/NDF:203095.3/3

+ sign 213.430+/-0.049 χ^2/NDF: 4347891.6/21

All: 202.413+/-0.034 χ^2/NDF: 9267071.8/44

- sign 192.151+/-0.048 χ^2/NDF: 4823442.5/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -32.656+/-16.519 χ^2/NDF:7.6/5

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

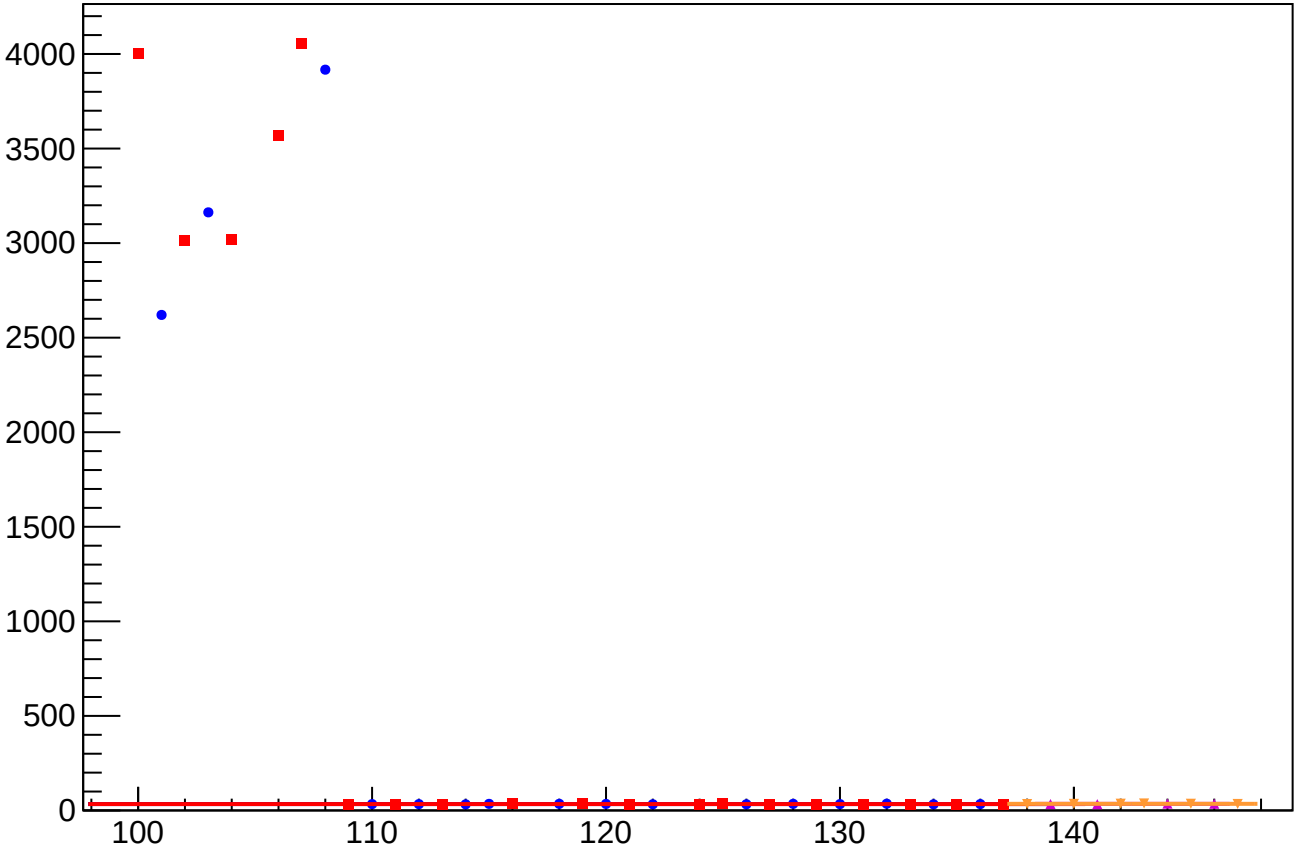
Left In: -3.241+/-18.527 χ^2/NDF:1.7/3

+ sign -10.761+/-10.814 χ^2/NDF: 28.2/21

All: -9.190+/-7.841 χ^2/NDF: 53.4/44

- sign -7.449+/-11.386 χ^2/NDF: 25.2/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.020+/-0.012 χ^2/NDF:7361.2/5

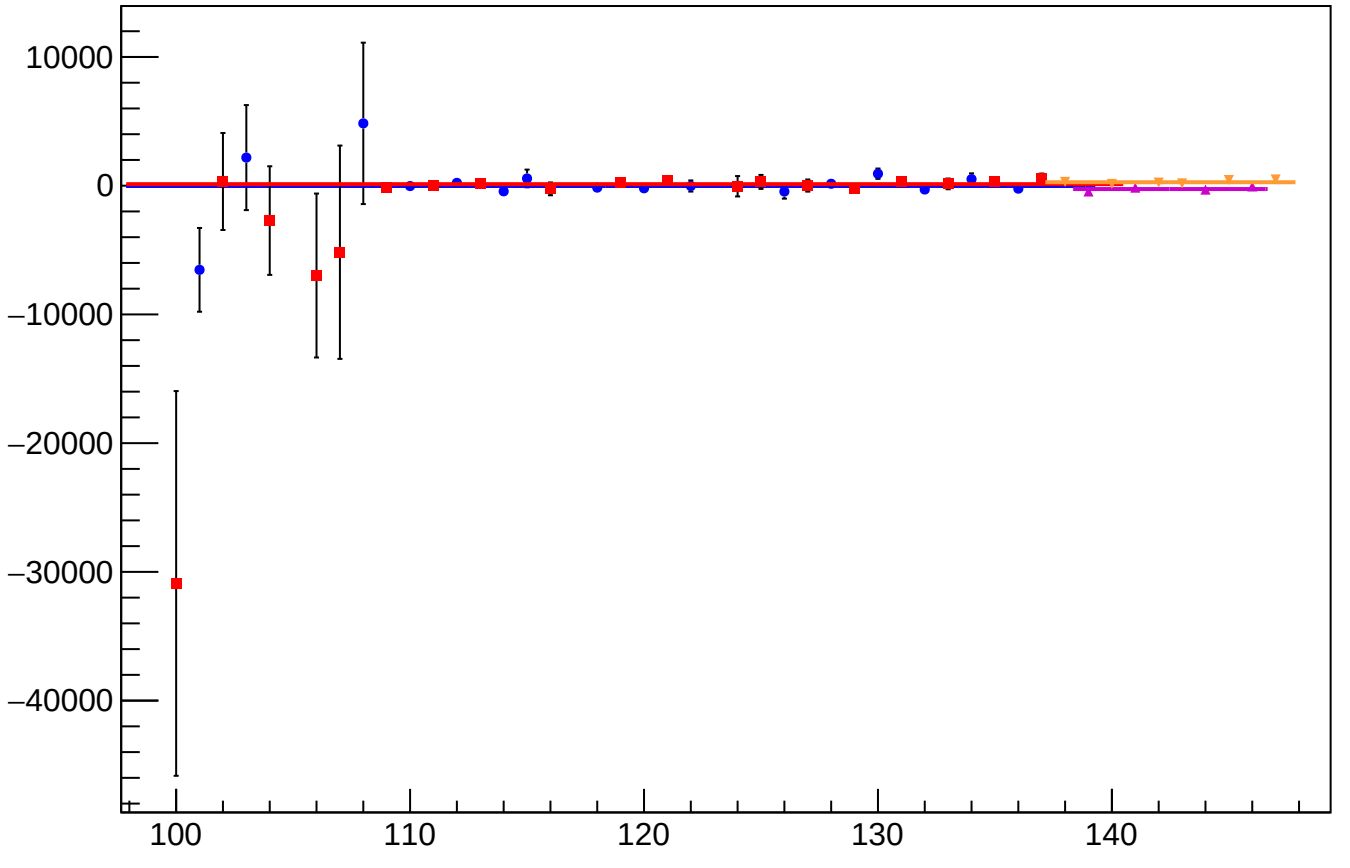
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.767+/-0.013 χ^2/NDF:6764.5/3

+ sign 34.380+/-0.008 χ^2/NDF: 3257000.8/21

All: 34.256+/-0.006 χ^2/NDF: 6794710.1/44

- sign 34.119+/-0.008 χ^2/NDF: 3537159.9/22



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 269.292+/-120.823 χ^2/NDF:1.0/5

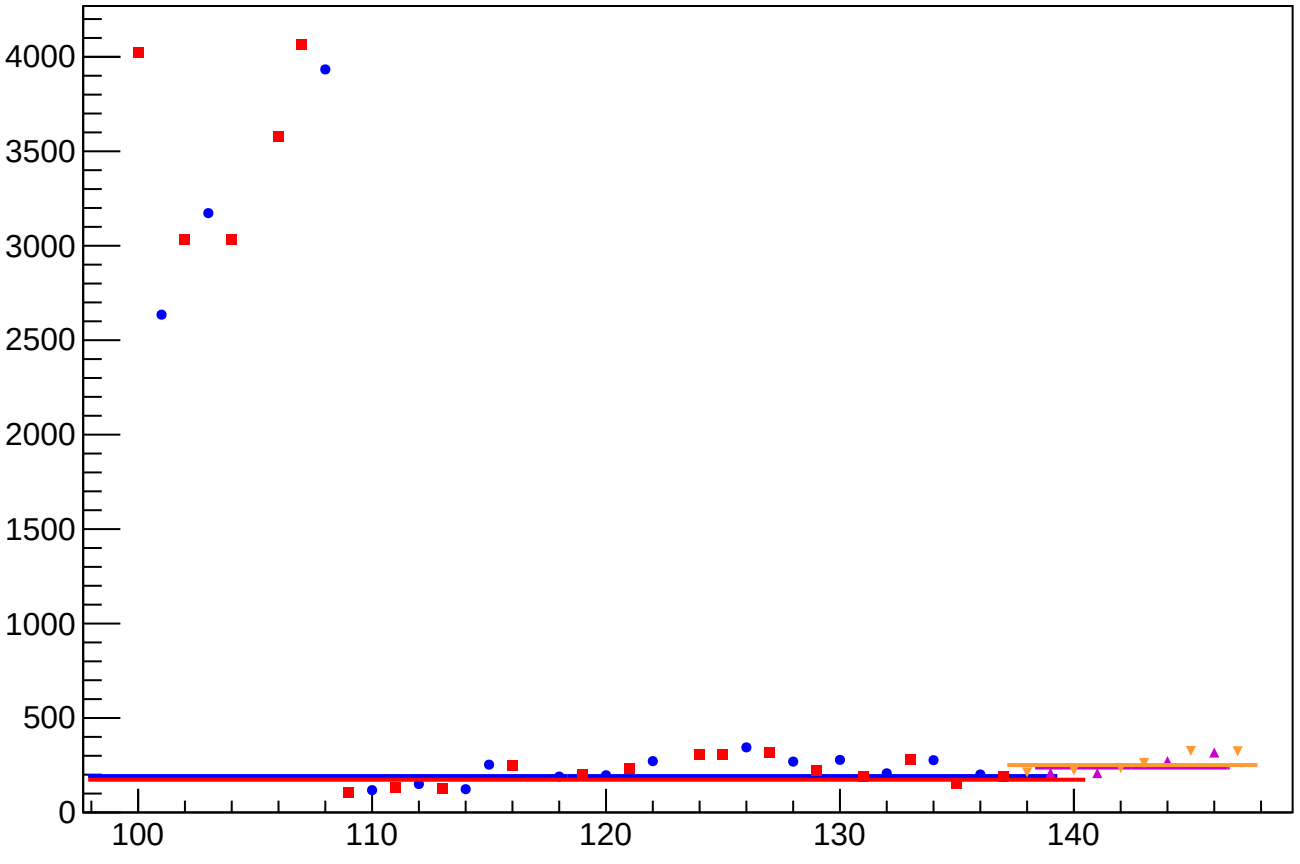
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -260.272+/-129.456 χ^2/NDF:1.3/3

+ sign 76.190+/-69.554 χ^2/NDF: 23.0/21

All: 45.942+/-48.289 χ^2/NDF: 44.2/44

- sign 17.794+/-67.095 χ^2/NDF: 20.9/22



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 250.865+/-0.085 χ^2/NDF:254056.6/5

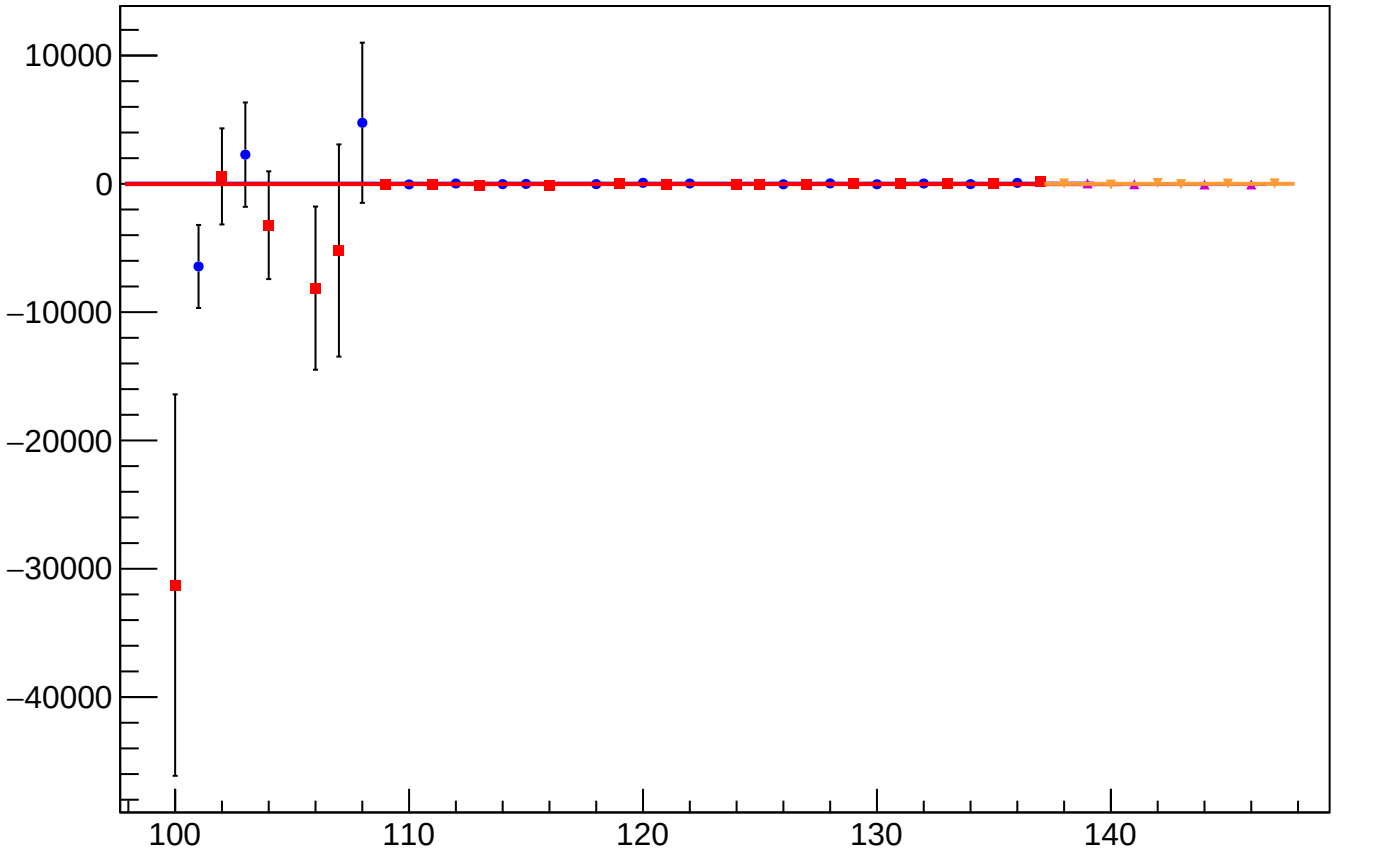
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

+ sign 211.882+/-0.049 χ^2/NDF: 4388238.5/21

All: 200.843+/-0.034 χ^2/NDF: 9360098.3/44

- sign 190.570+/-0.047 χ^2/NDF: 4874598.1/22



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.031+/-15.209 χ^2/NDF:7.4/5

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

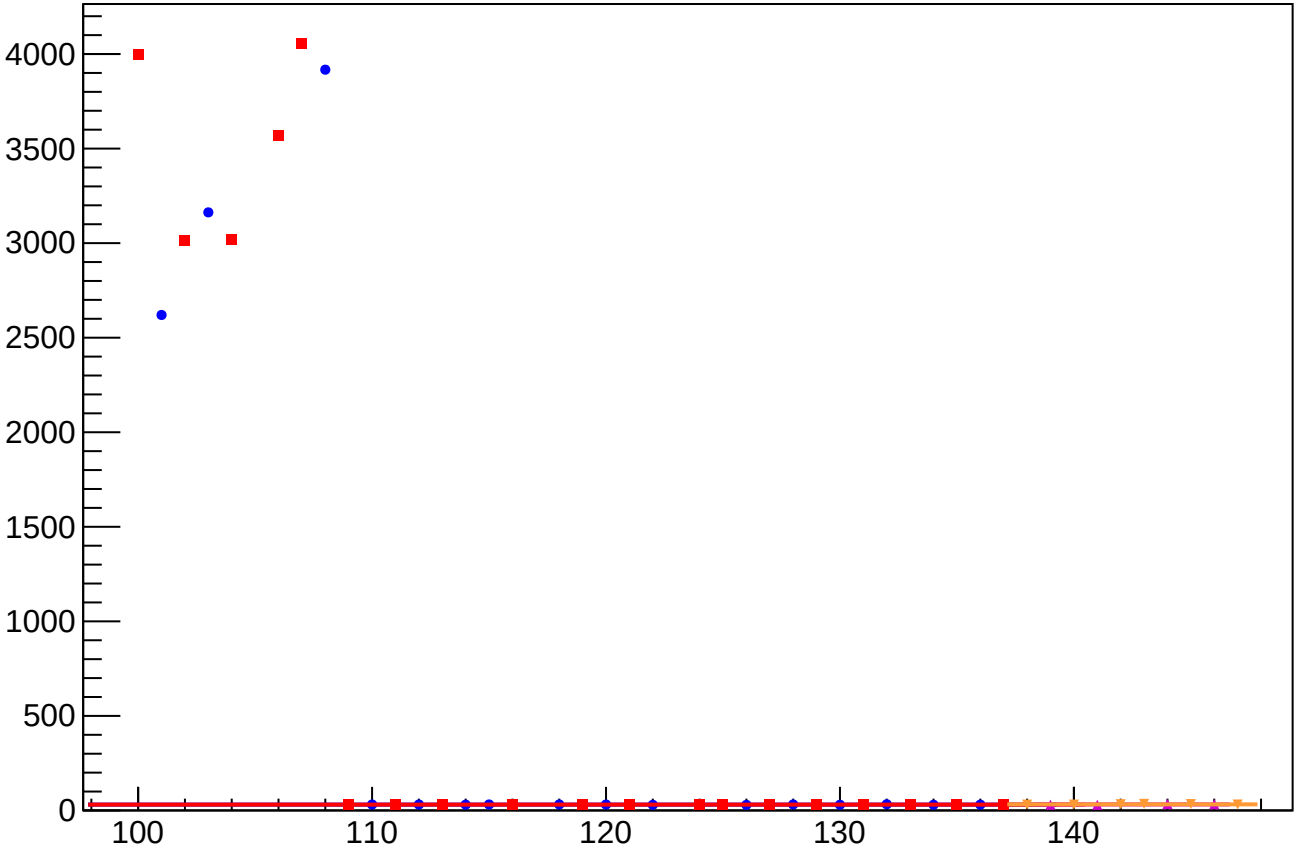
Left In: -18.422+/-16.965 χ^2/NDF:4.3/3

+ sign 7.905+/-9.909 χ^2/NDF: 23.3/21

All: -6.037+/-7.177 χ^2/NDF: 60.5/44

- sign -21.420+/-10.409 χ^2/NDF: 33.1/22

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: 32.195+/-0.011 χ^2/NDF:19166.9/5

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

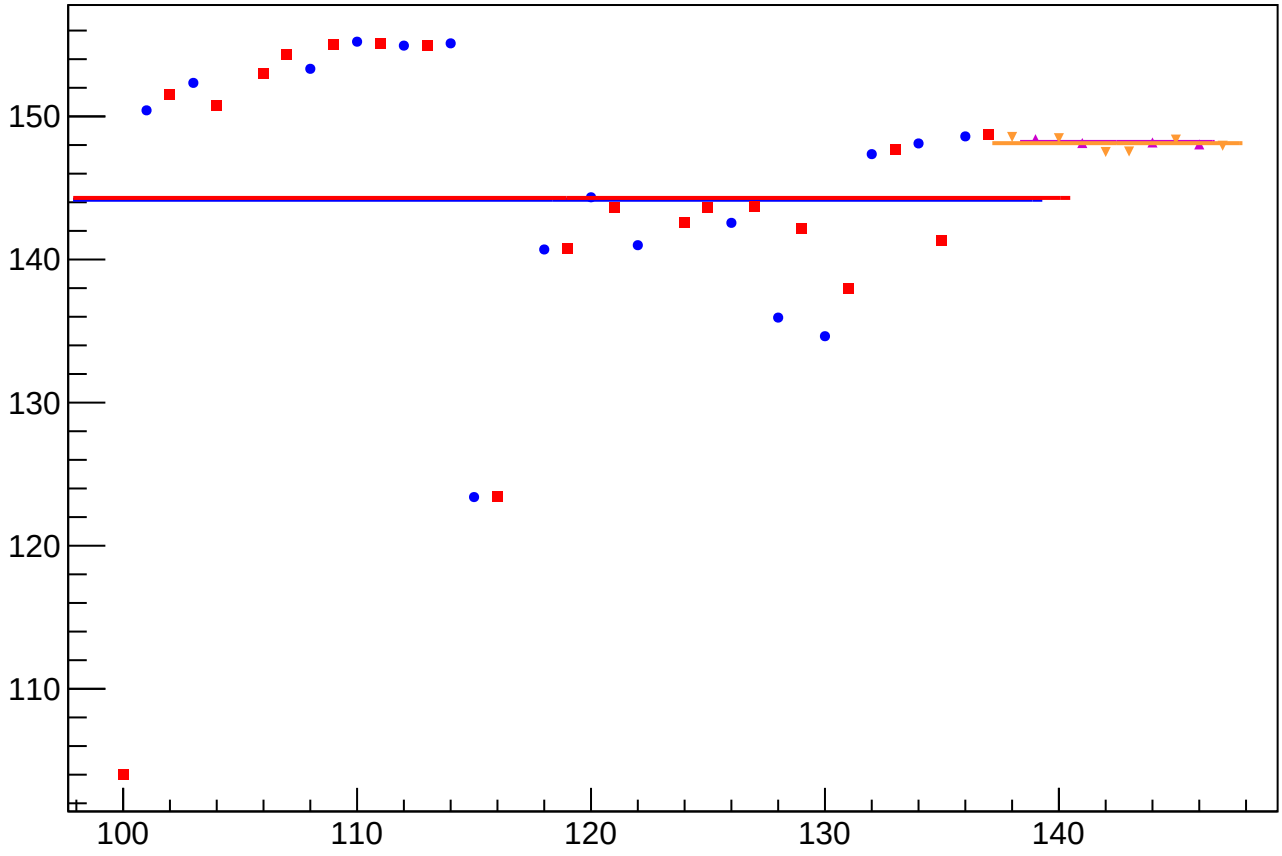
Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

+ sign 31.466+/-0.007 χ^2/NDF: 3279764.0/21

All: 31.322+/-0.005 χ^2/NDF: 6839005.2/44

- sign 31.163+/-0.007 χ^2/NDF: 3558352.7/22

yield_bcm_target_mean vs Slug



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

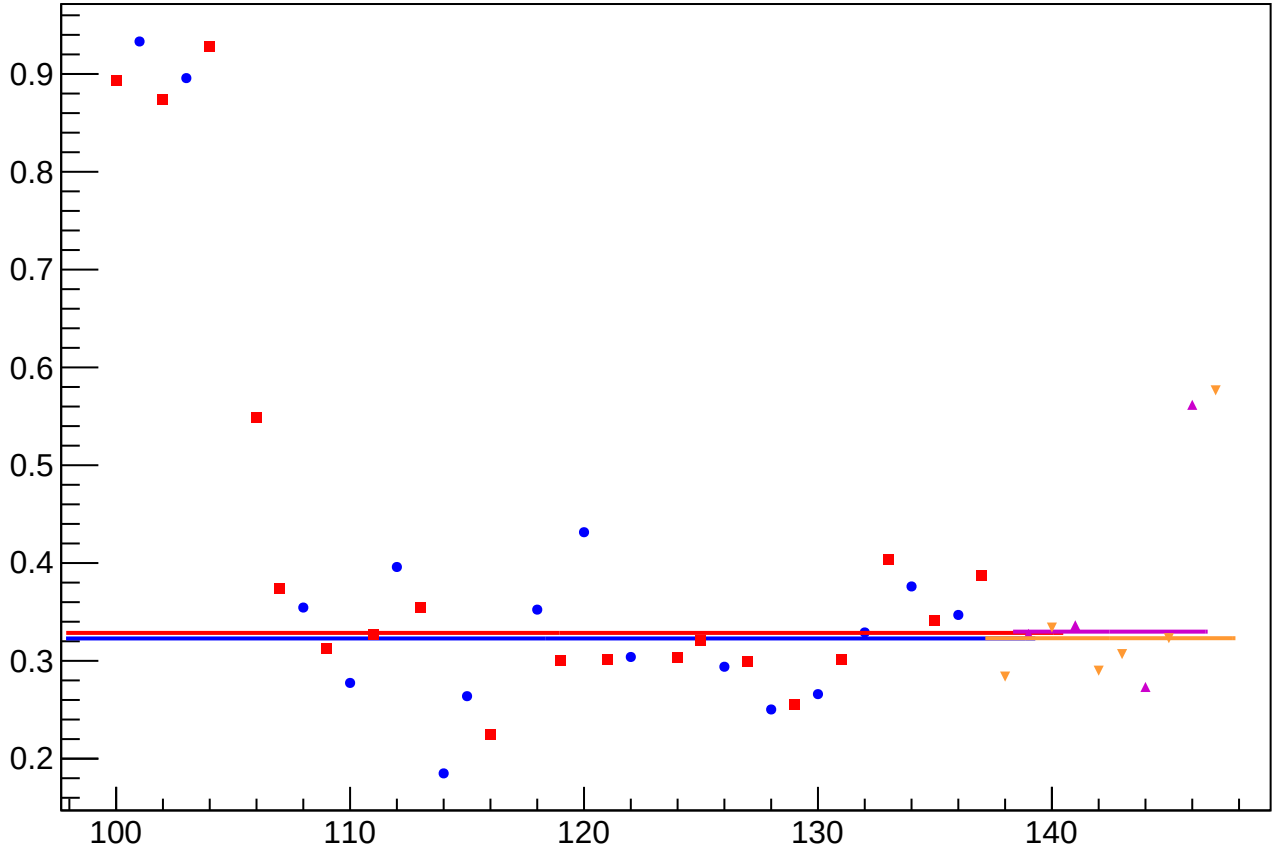
Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

+ sign 145.789+/-0.000 χ^2/NDF: 4096677753.7/21

All: 145.721+/-0.000 χ^2/NDF: 8658522509.6

- sign 145.644+/-0.000 χ^2/NDF: 4560885601.9/22

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

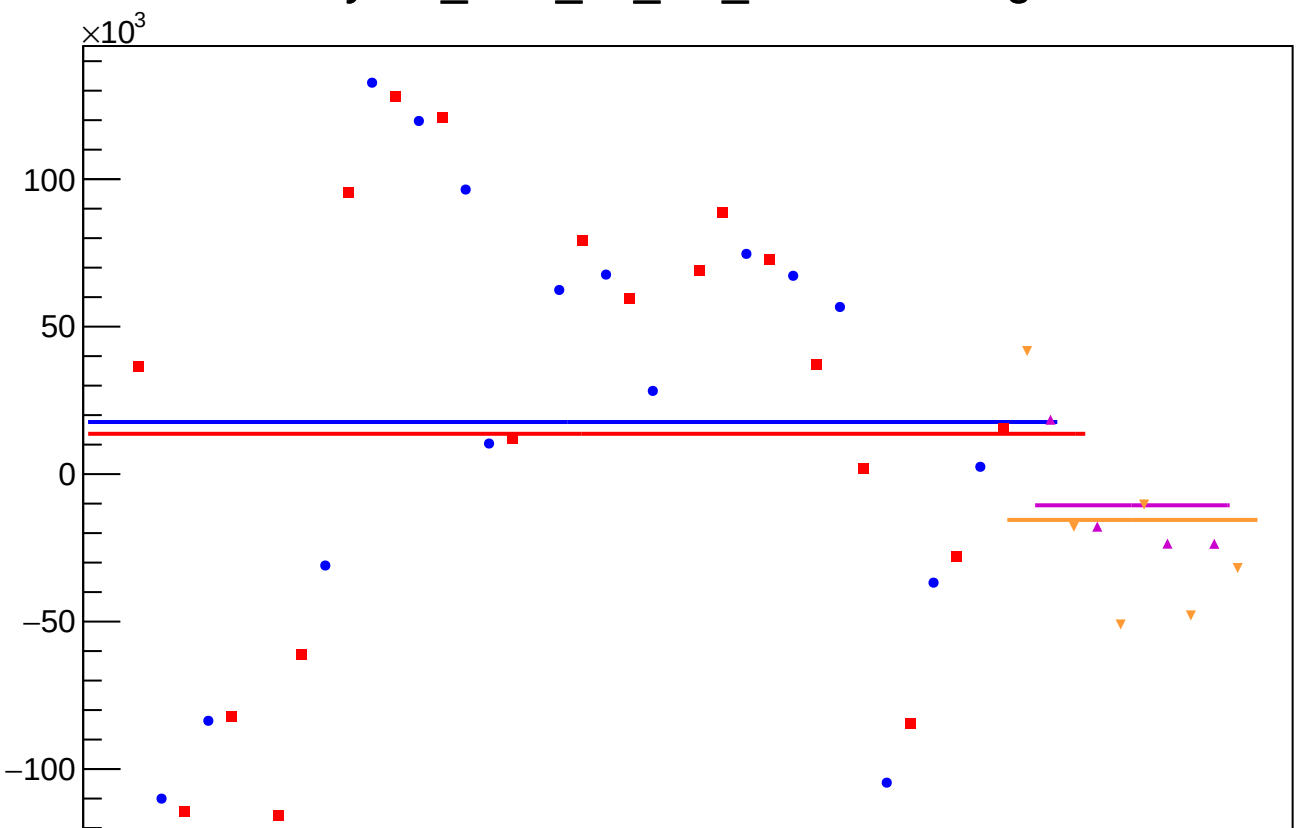
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

+ sign 0.323+/-0.000 χ^2/NDF: 1739204.6/21

All: 0.326+/-0.000 χ^2/NDF: 3409606.9/44

- sign 0.329+/-0.000 χ^2/NDF: 1667114.8/22



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -15527.284+/-2.439 χ^2/NDF:177325290.8/5

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

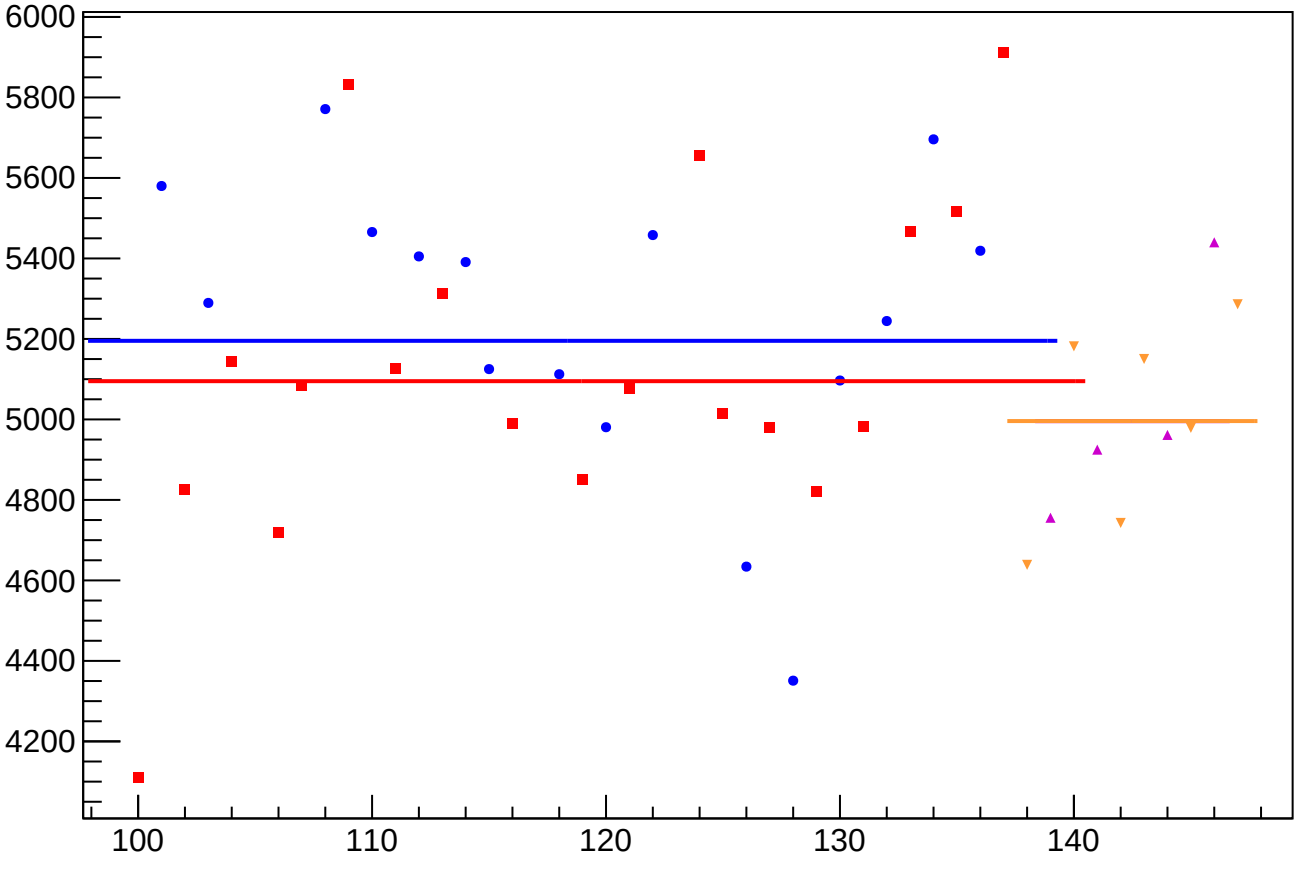
Left In: -10573.806+/-2.783 χ^2/NDF:41837672.0/3

+ sign 4276.561+/-1.549 χ^2/NDF: 1686536876.5/21

All: 5032.135+/-1.107 χ^2/NDF: 3637146738.

- sign 5821.162+/-1.583 χ^2/NDF: 1950123557.1/22

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4995.909+/-1.725 χ^2/NDF:19192.9/5

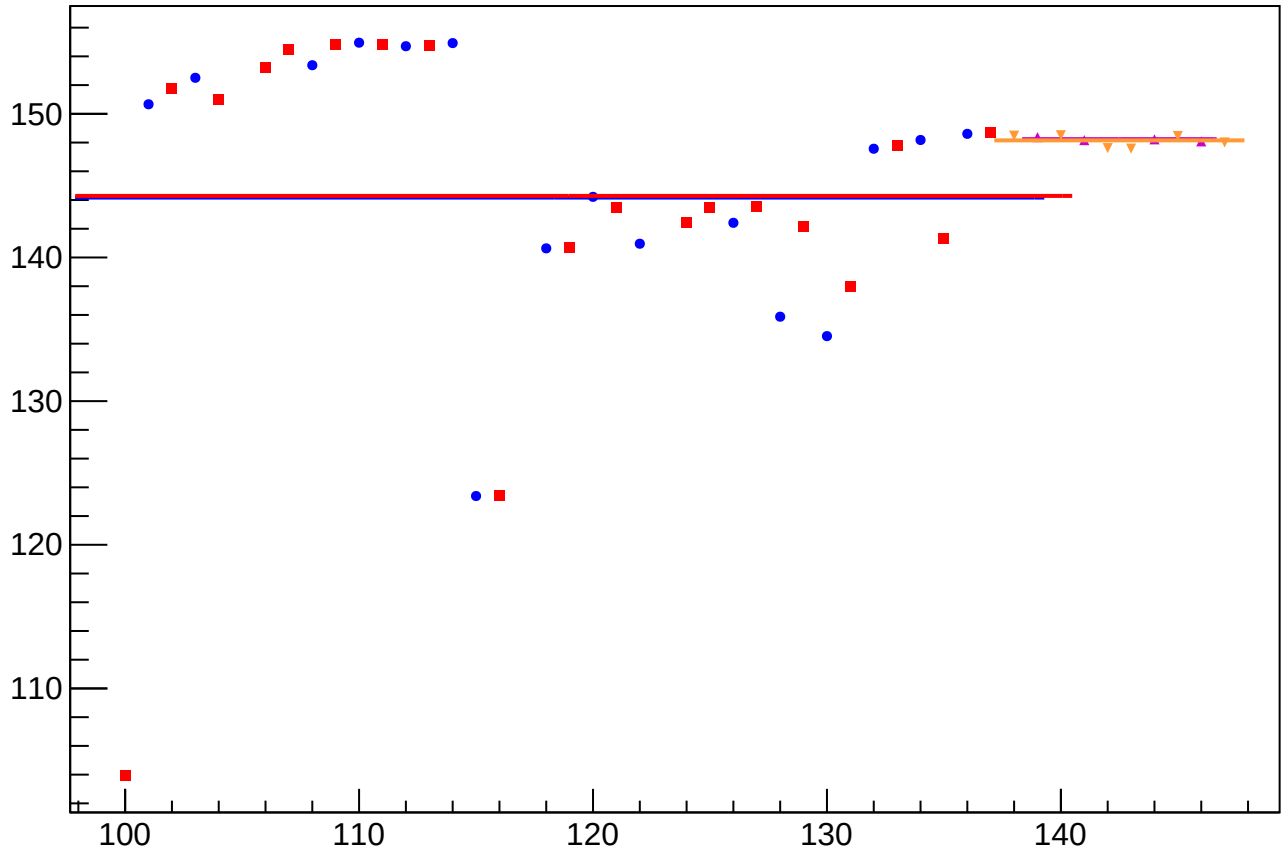
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4995.675+/-1.968 χ^2/NDF:15144.4/3

+ sign 5114.877+/-1.095 χ^2/NDF: 104332.4/21

All: 5089.445+/-0.783 χ^2/NDF: 181415.8/44

- sign 5062.886+/-1.119 χ^2/NDF: 75981.5/22



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.153+/-0.000 χ^2/NDF:6902540.0/5

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

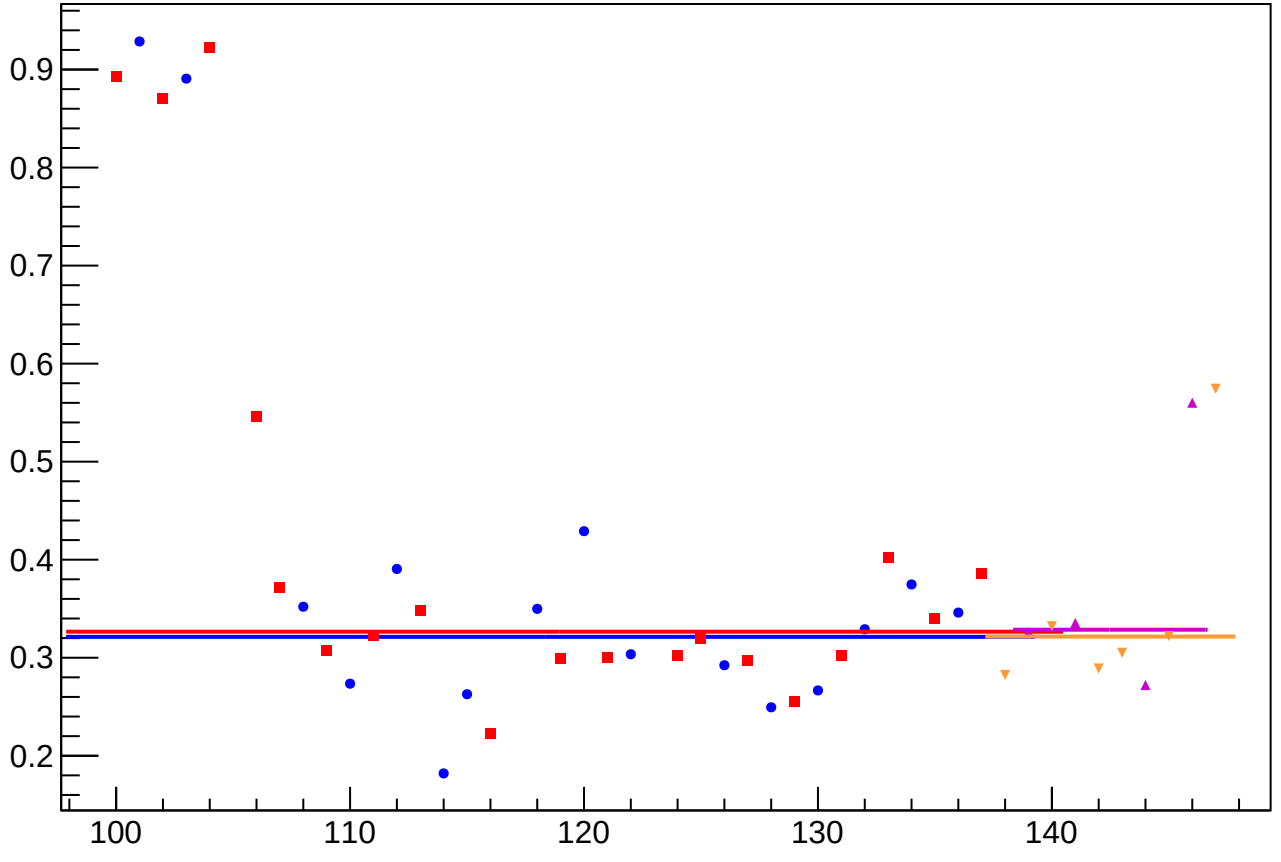
Left In: 148.238+/-0.000 χ^2/NDF:253000.9/3

+ sign 145.796+/-0.000 χ^2/NDF: 4144470054.4/21

All: 145.720+/-0.000 χ^2/NDF: 8740657204.1

- sign 145.635+/-0.000 χ^2/NDF: 4595005066.2/22

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.322+/-0.000 χ^2/NDF:343977.9/5

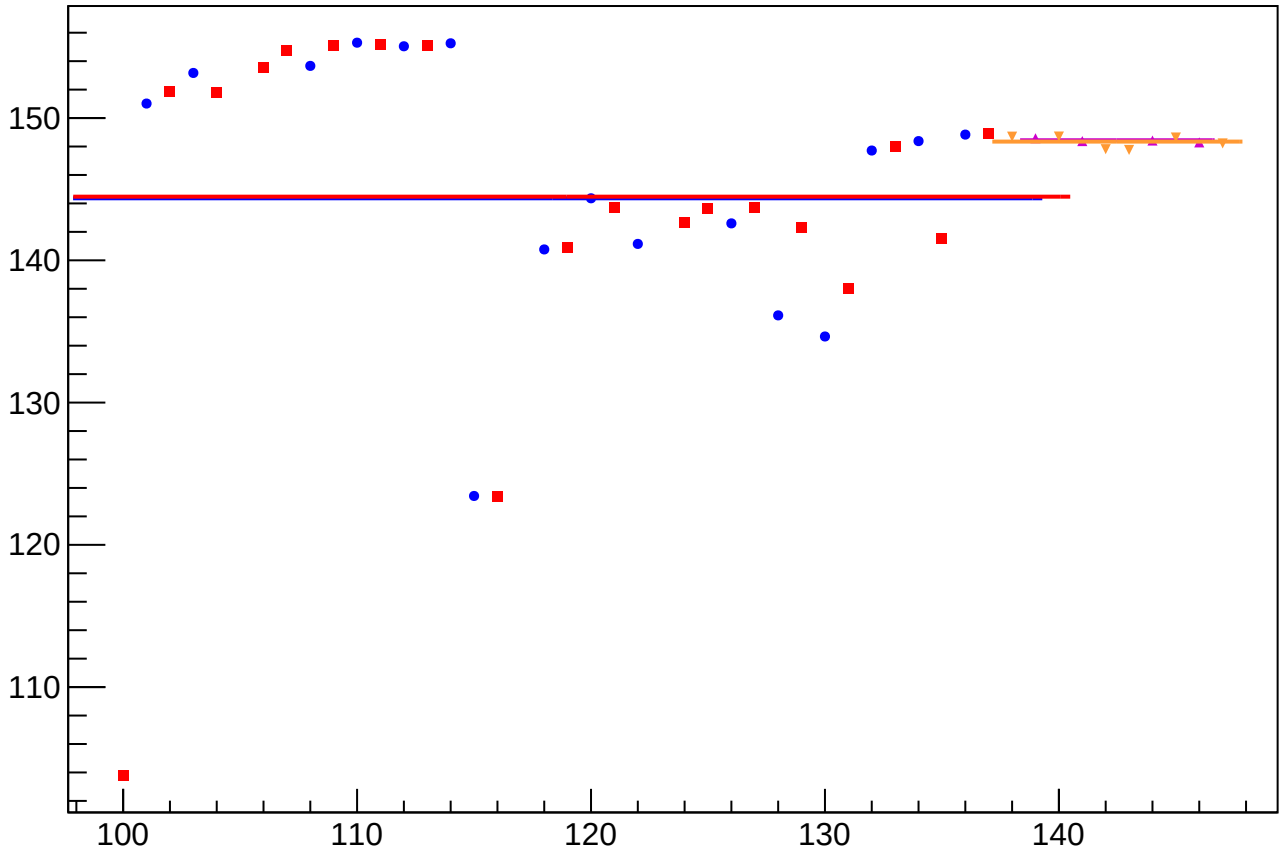
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.329+/-0.000 χ^2/NDF:364067.3/3

+ sign 0.321+/-0.000 χ^2/NDF: 1740232.7/21

All: 0.324+/-0.000 χ^2/NDF: 3410317.7/44

- sign 0.327+/-0.000 χ^2/NDF: 1666958.9/22



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.346+/-0.000 χ^2/NDF:6924285.9/5

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

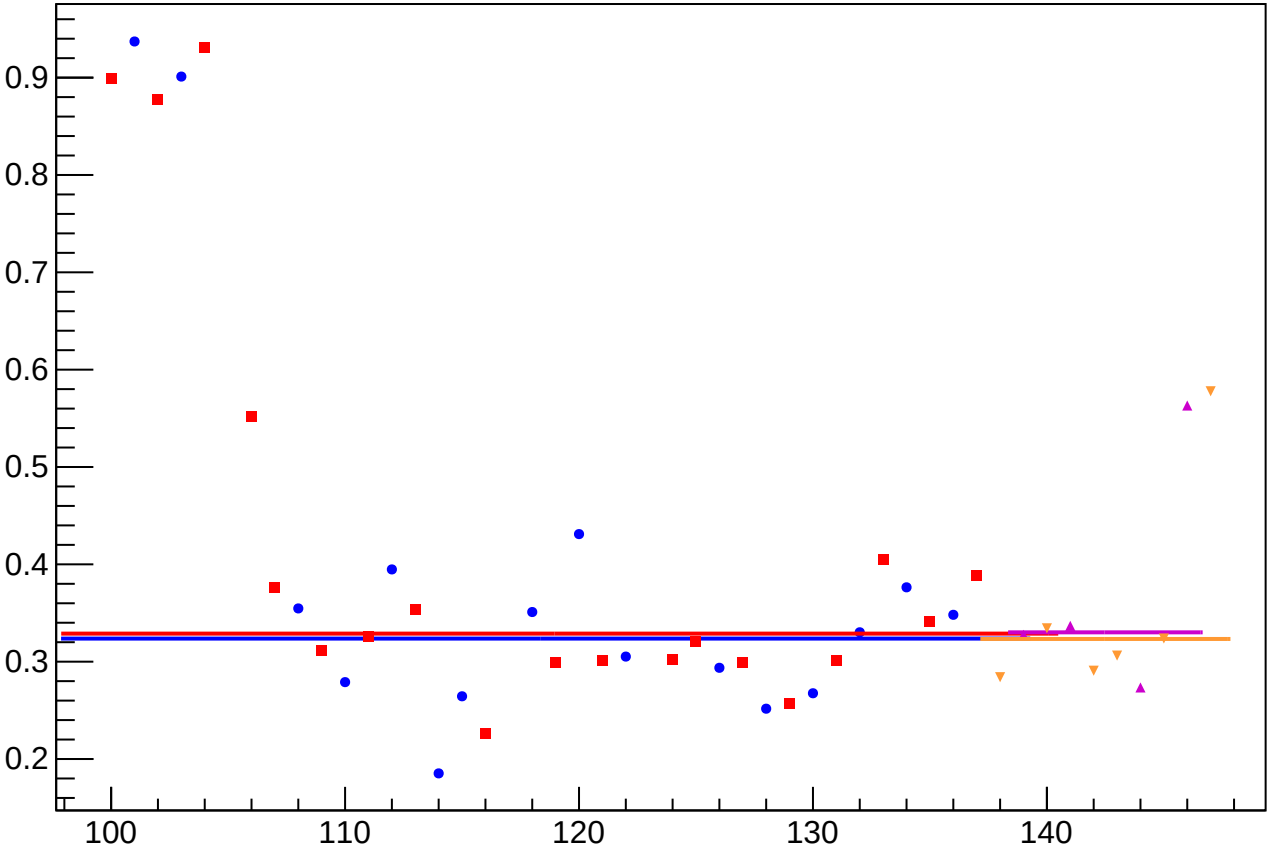
Left In: 148.441+/-0.000 χ^2/NDF:239191.8/3

+ sign 145.990+/-0.000 χ^2/NDF: 4134383504.0/21

All: 145.915+/-0.000 χ^2/NDF: 8721160842.1

- sign 145.832+/-0.000 χ^2/NDF: 4585648096.4/22

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.323+/-0.000 χ^2/NDF:344438.5/5

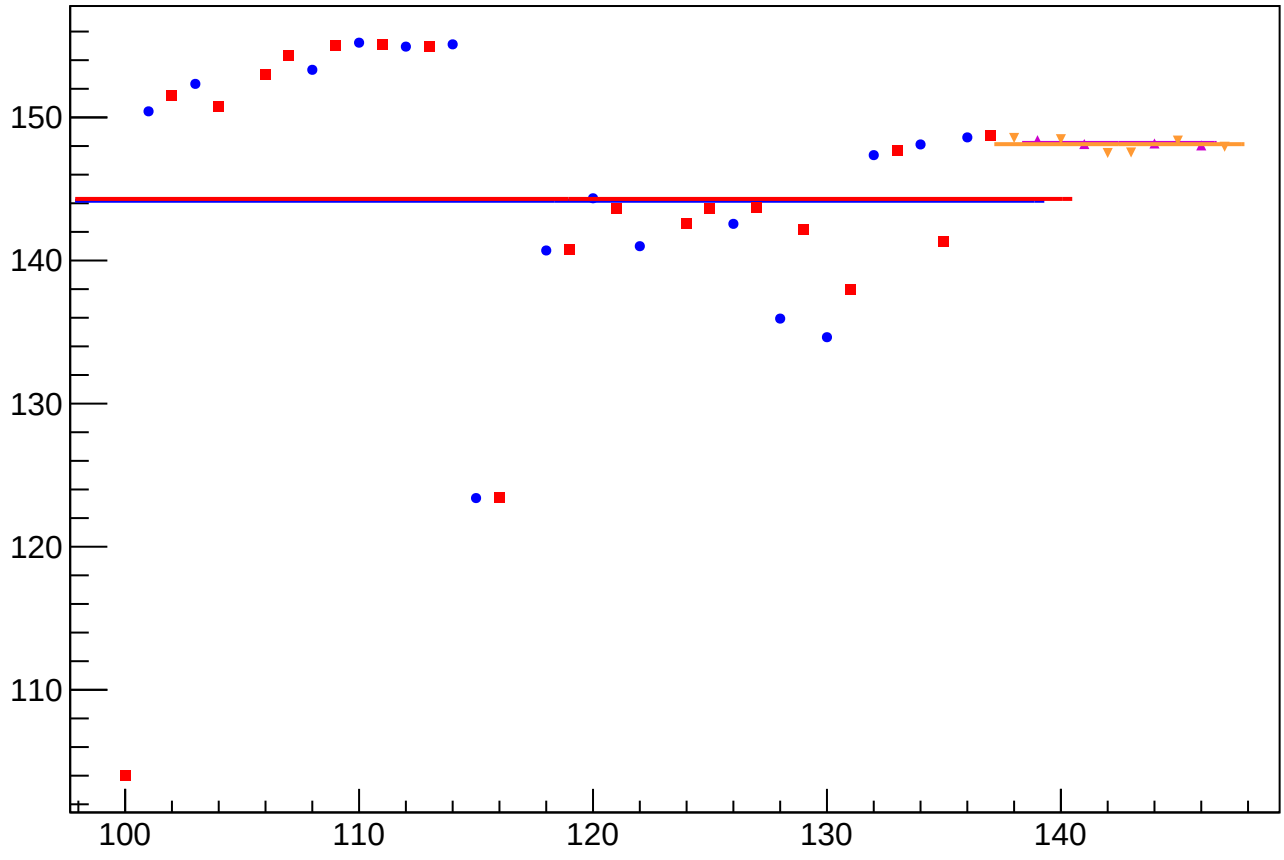
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.330+/-0.000 χ^2/NDF:364172.7/3

+ sign 0.324+/-0.000 χ^2/NDF: 1736823.1/21

All: 0.326+/-0.000 χ^2/NDF: 3407239.3/44

- sign 0.329+/-0.000 χ^2/NDF: 1667461.4/22



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

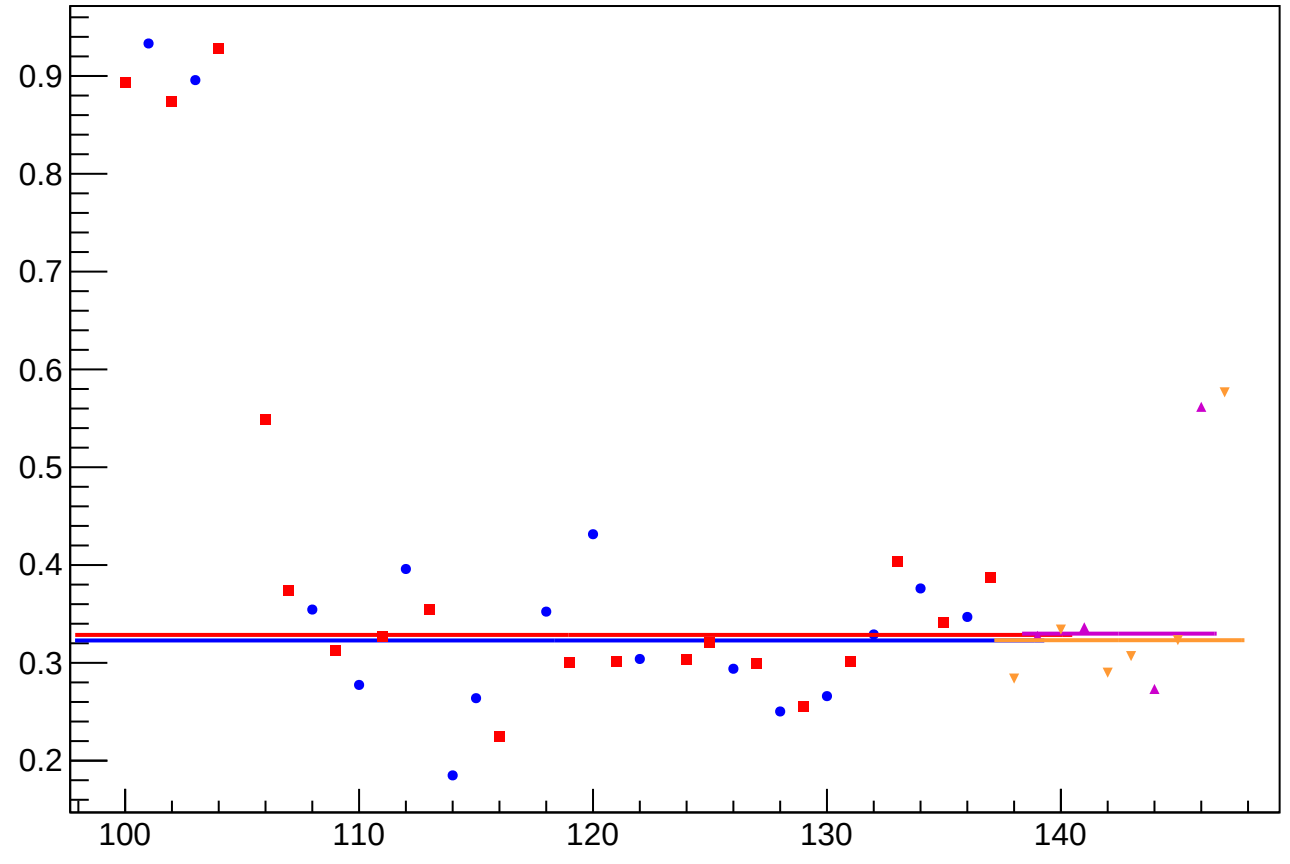
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

+ sign 145.789+/-0.000 χ^2/NDF: 4096677753.7/21

All: 145.721+/-0.000 χ^2/NDF: 8658522509.6

- sign 145.644+/-0.000 χ^2/NDF: 4560885601.9/22



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

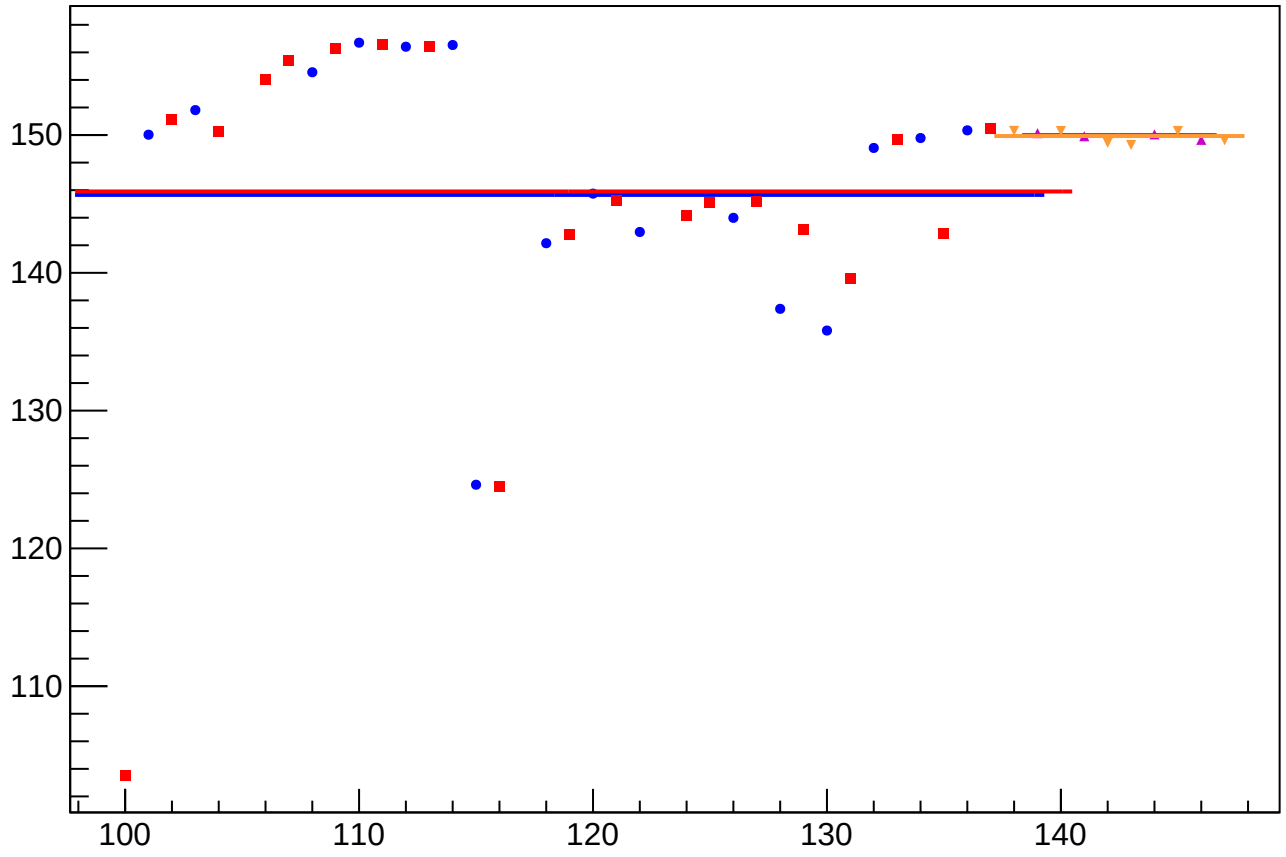
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

+ sign 0.323+/-0.000 χ^2/NDF: 1739204.6/21

All: 0.326+/-0.000 χ^2/NDF: 3409606.9/44

- sign 0.329+/-0.000 χ^2/NDF: 1667114.8/22



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.929+/-0.000 χ^2/NDF:7033387.5/5

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

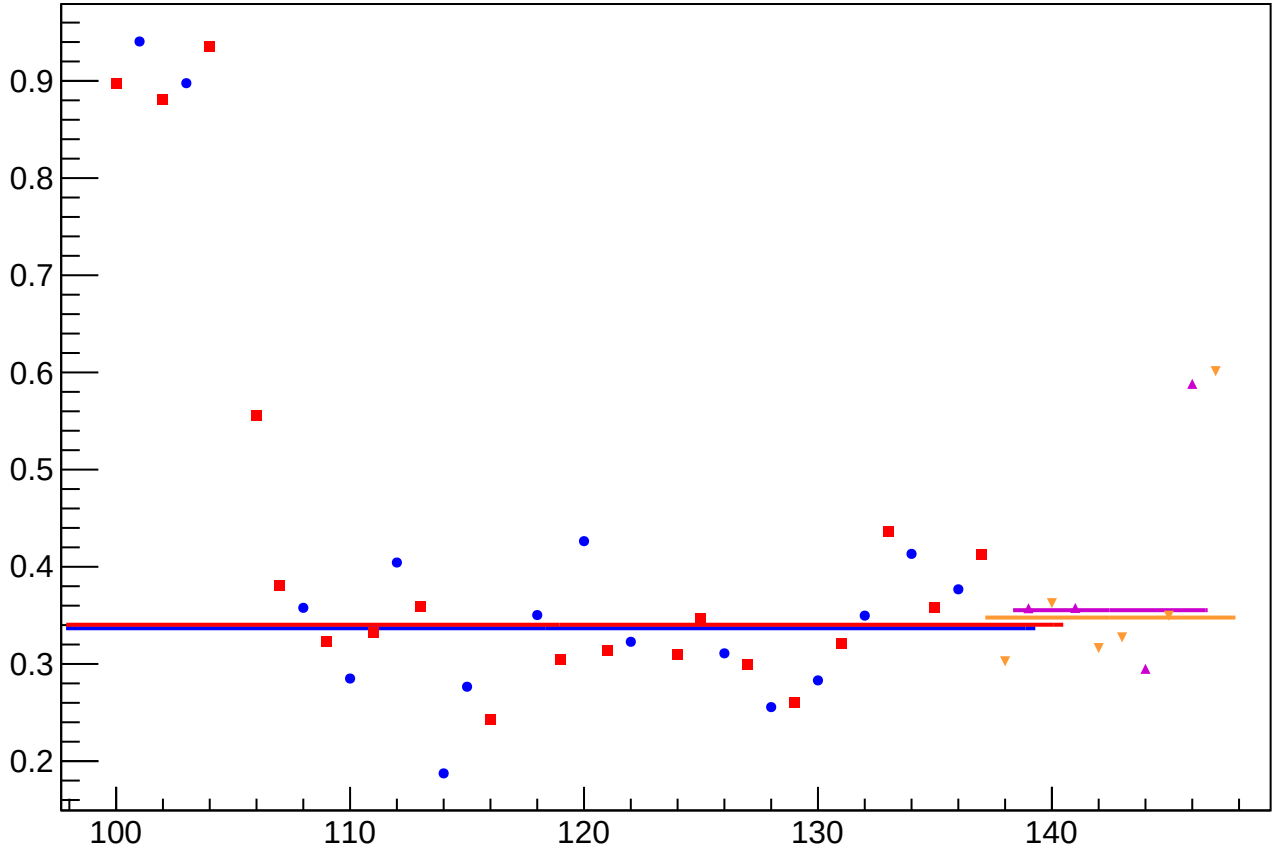
Left In: 149.998+/-0.000 χ^2/NDF:483529.1/3

+ sign 147.328+/-0.000 χ^2/NDF: 3862874265.6/21

All: 147.283+/-0.000 χ^2/NDF: 8012819236.5

- sign 147.234+/-0.000 χ^2/NDF: 4149583564.4/22

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.348+/-0.000 χ^2/NDF:322496.7/5

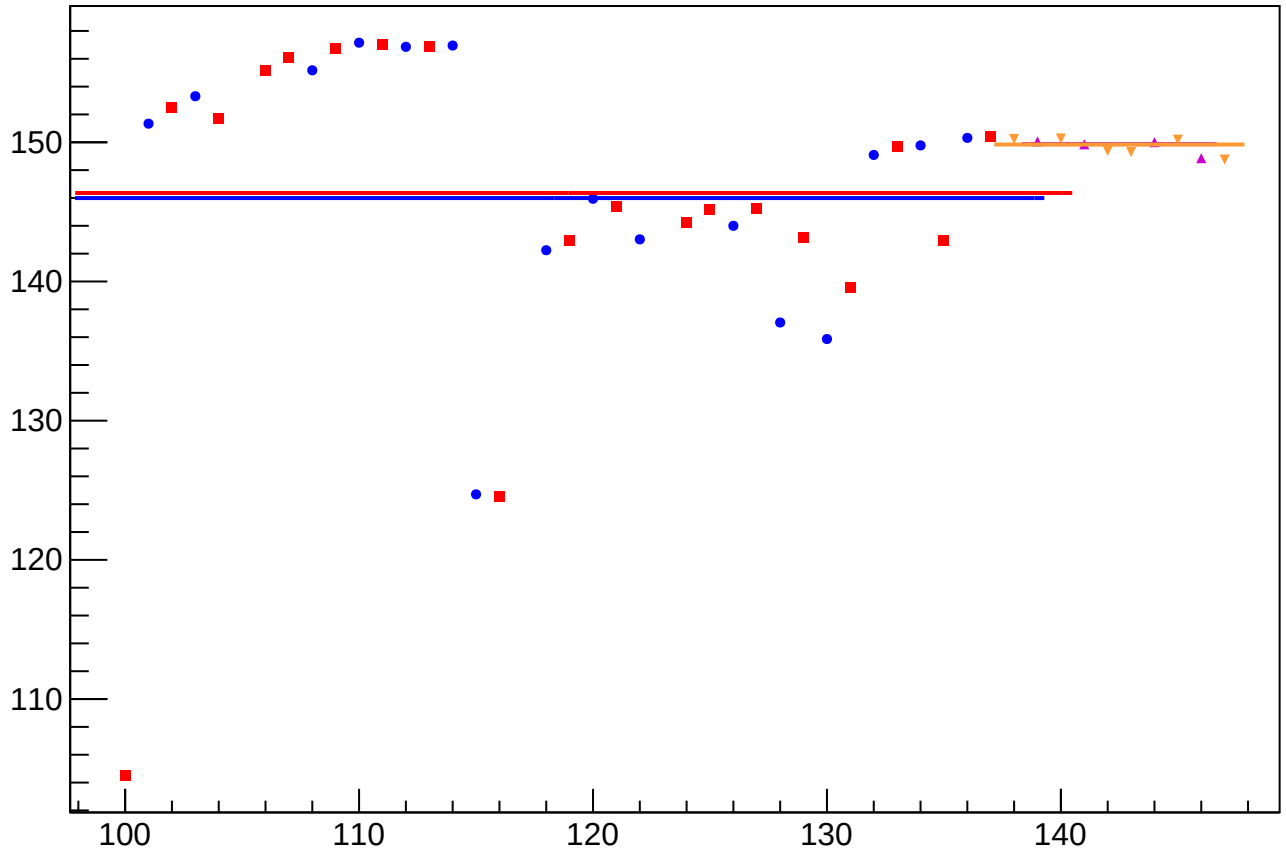
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.355+/-0.000 χ^2/NDF:335982.3/3

+ sign 0.341+/-0.000 χ^2/NDF: 1697985.6/21

All: 0.343+/-0.000 χ^2/NDF: 3317767.3/44

- sign 0.345+/-0.000 χ^2/NDF: 1618346.2/22



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.840+/-0.000 χ^2/NDF:8512108.7/5

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

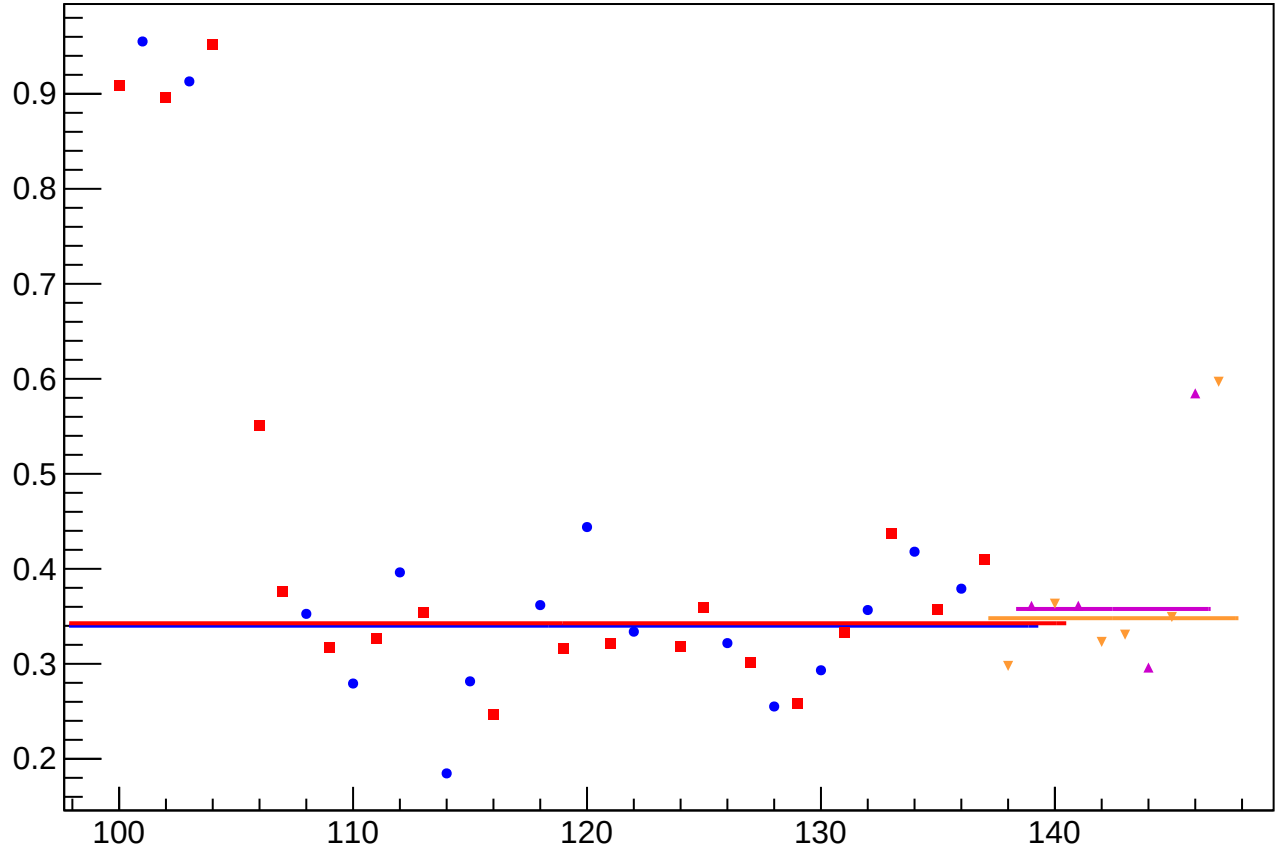
Left In: 149.870+/-0.000 χ^2/NDF:2931211.1/3

\+ sign 147.514+/-0.000 χ^2/NDF: 3929951370.4/21

All: 147.506+/-0.000 χ^2/NDF: 8103127374.0

\- sign 147.499+/-0.000 χ^2/NDF: 4173166838.8/22

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.348+/-0.000 χ^2/NDF:320222.4/5

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

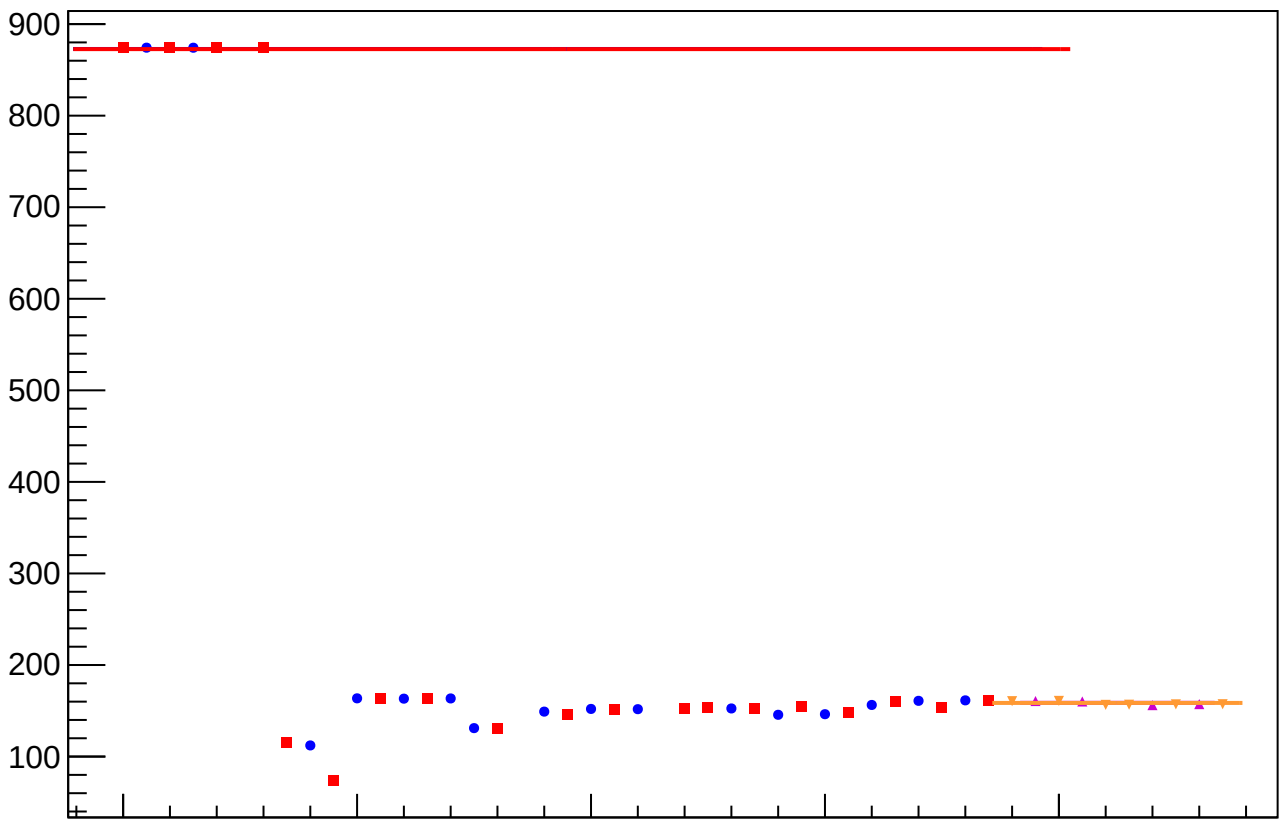
Left In: 0.358+/-0.000 χ^2/NDF:327478.5/3

+ sign 0.343+/-0.000 χ^2/NDF: 1715961.7/21

All: 0.345+/-0.000 χ^2/NDF: 3323285.4/44

- sign 0.348+/-0.000 χ^2/NDF: 1605817.0/22

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.589+/-0.000 χ^2/NDF:26335526.2/5

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

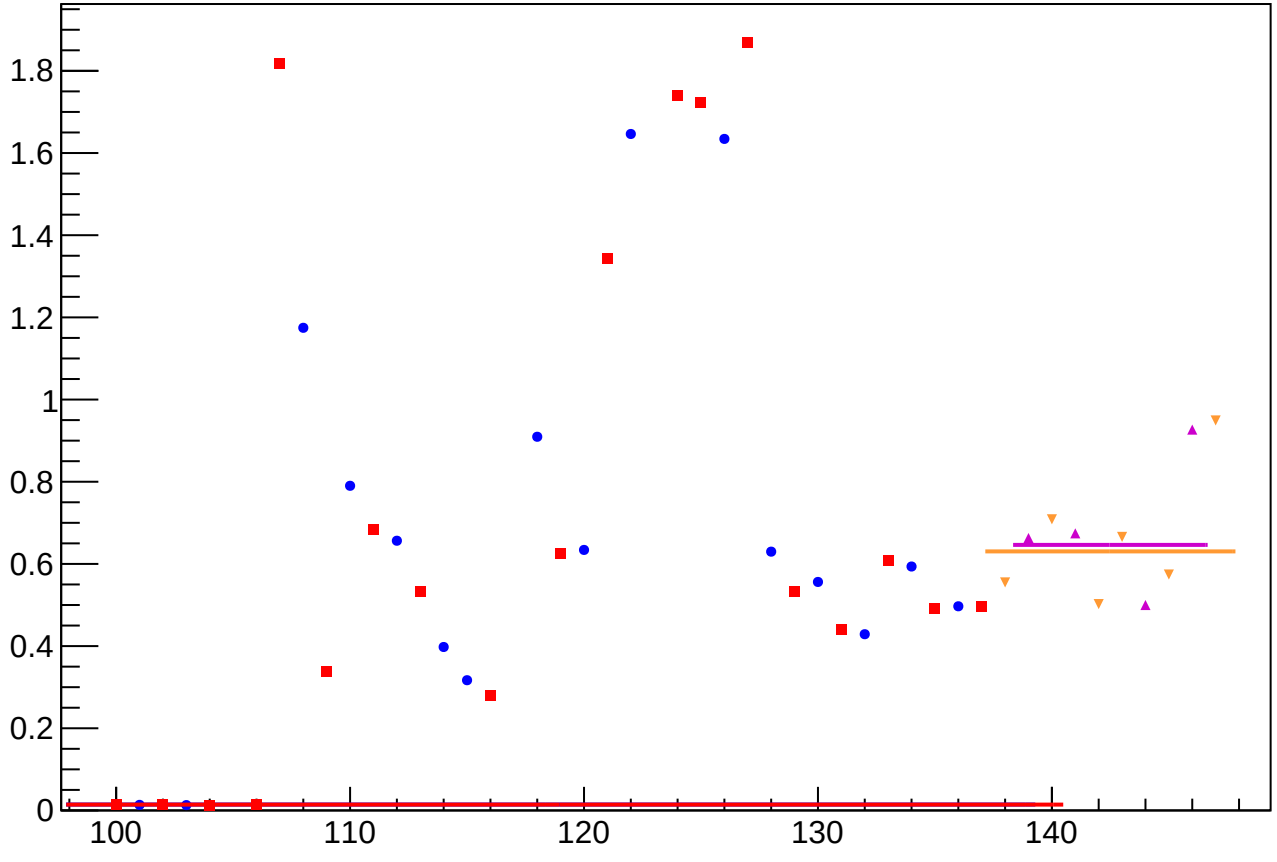
Left In: 158.696+/-0.000 χ^2/NDF:22293095.0/3

+ sign 872.094+/-0.000 χ^2/NDF: 10895525669563.

All: 872.144+/-0.000 χ^2/NDF: 22920644905

- sign 872.188+/-0.000 χ^2/NDF: 12025085374572.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.630+/-0.000 χ^2/NDF:204911.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

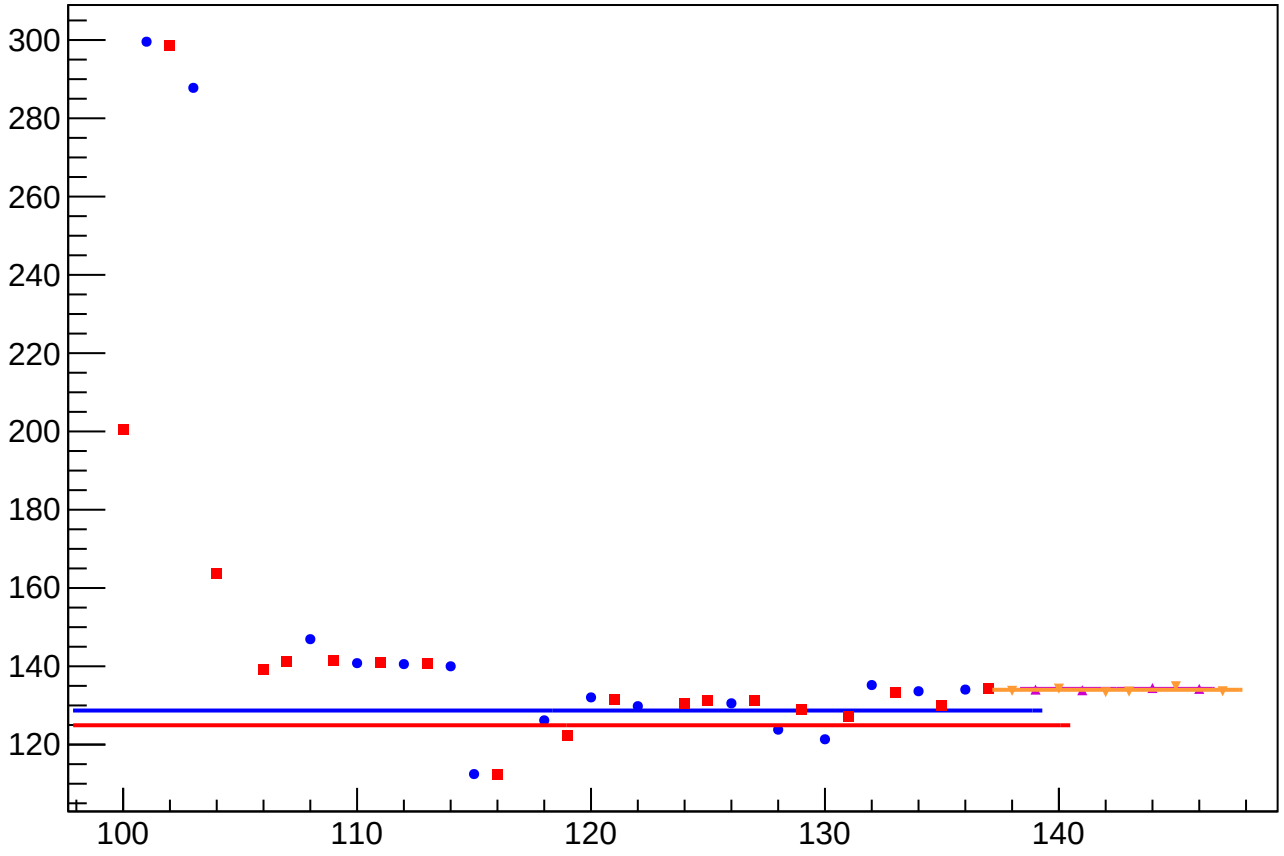
Left In: 0.646+/-0.000 χ^2/NDF:187578.8/3

+ sign 0.015+/-0.000 χ^2/NDF: 15338783.4/21

All: 0.015+/-0.000 χ^2/NDF: 29416478.9/44

- sign 0.015+/-0.000 χ^2/NDF: 14076827.4/22

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.000+/-0.000 χ^2/NDF:6171557.8/5

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

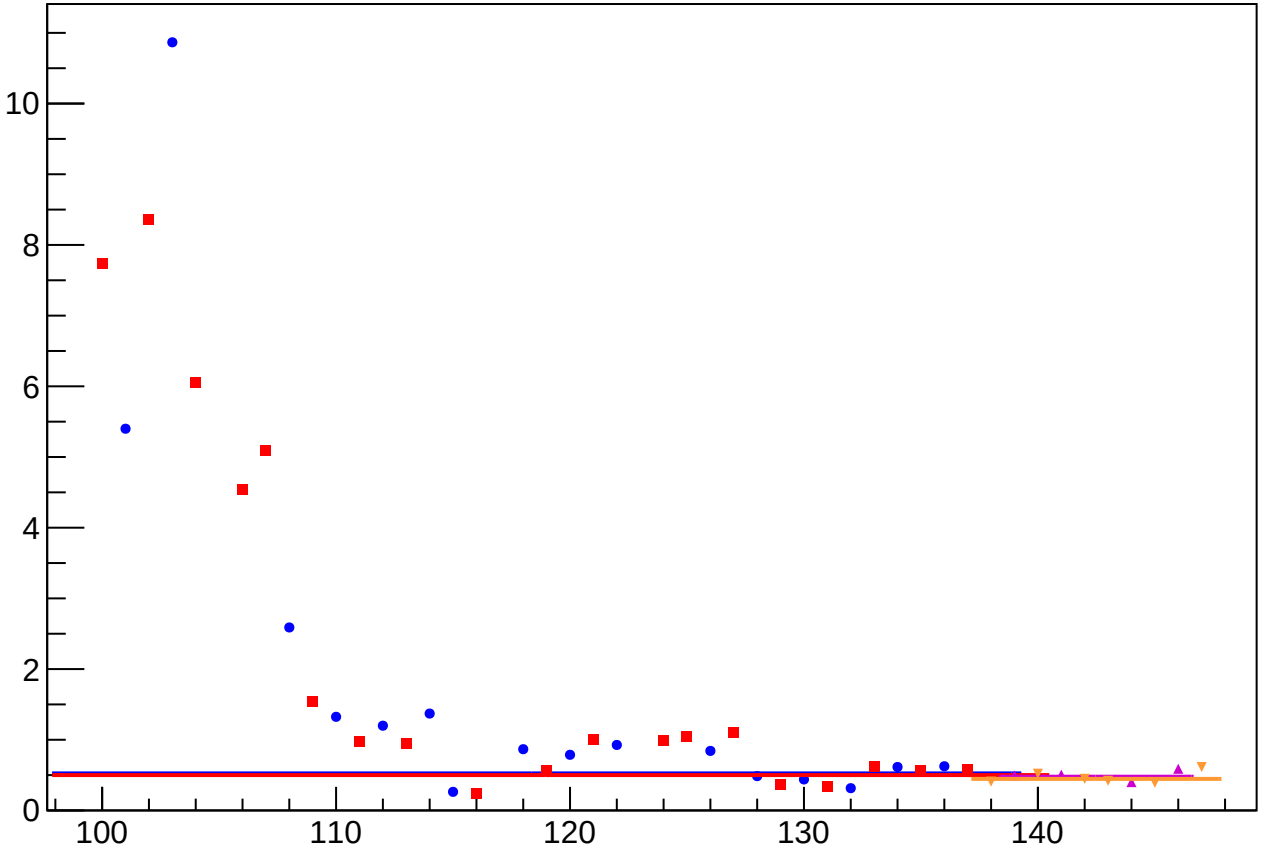
Left In: 134.232+/-0.000 χ^2/NDF:562903.0/3

+ sign 131.691+/-0.000 χ^2/NDF: 1874183031.1/21

All: 130.522+/-0.000 χ^2/NDF: 3910174502.6

- sign 129.113+/-0.000 χ^2/NDF: 1943472641.8/22

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.446+/-0.000 χ^2/NDF:173806.3/5

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

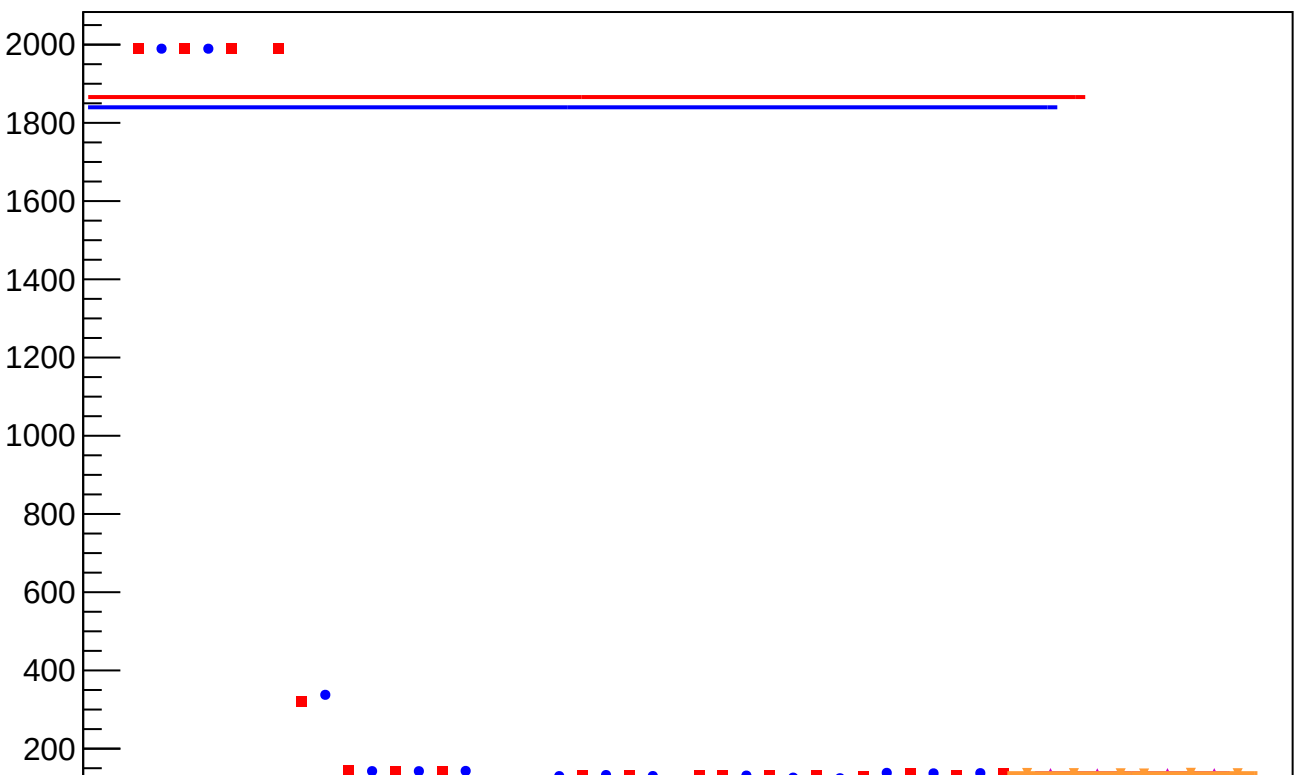
Left In: 0.477+/-0.000 χ^2/NDF:122956.5/3

+ sign 0.480+/-0.000 χ^2/NDF: 4402958.0/21

All: 0.485+/-0.000 χ^2/NDF: 9419503.3/44

- sign 0.490+/-0.000 χ^2/NDF: 5013841.0/22

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.337+/-0.000 χ^2/NDF:12788384.2/5

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

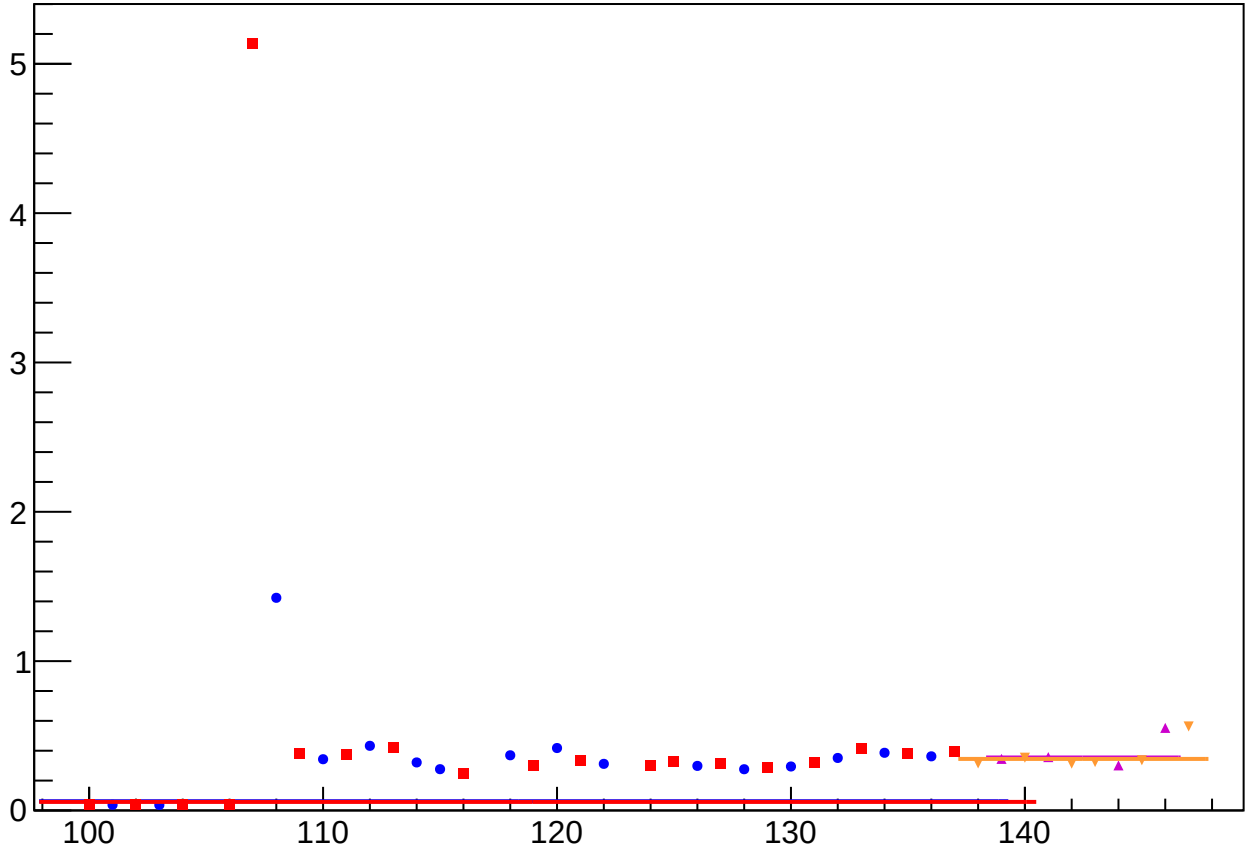
Left In: 137.418+/-0.000 χ^2/NDF:1331810.4/3

+ sign 1741.230+/-0.000 χ^2/NDF: 24160514883247

All: 1773.286+/-0.000 χ^2/NDF: 459935895 32

- sign 1801.338+/-0.000 χ^2/NDF: 21716428780080

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.345+/-0.000 χ^2/NDF:261248.2/5

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

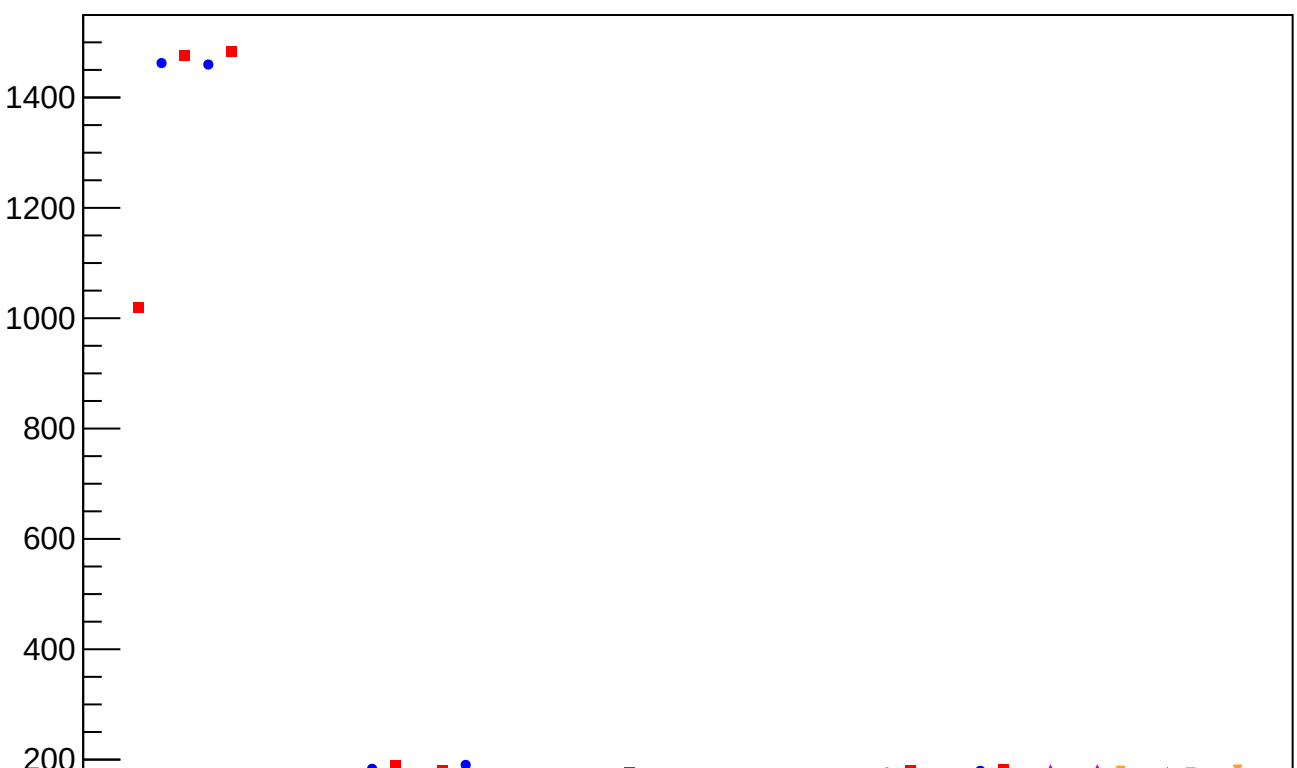
Left In: 0.355+/-0.000 χ^2/NDF:272536.8/3

+ sign 0.078+/-0.000 χ^2/NDF: 13736607.8/21

All: 0.073+/-0.000 χ^2/NDF: 26216190.8/44

- sign 0.068+/-0.000 χ^2/NDF: 12417950.1/22

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.230+/-0.001 χ^2/NDF:101796767.0/5

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

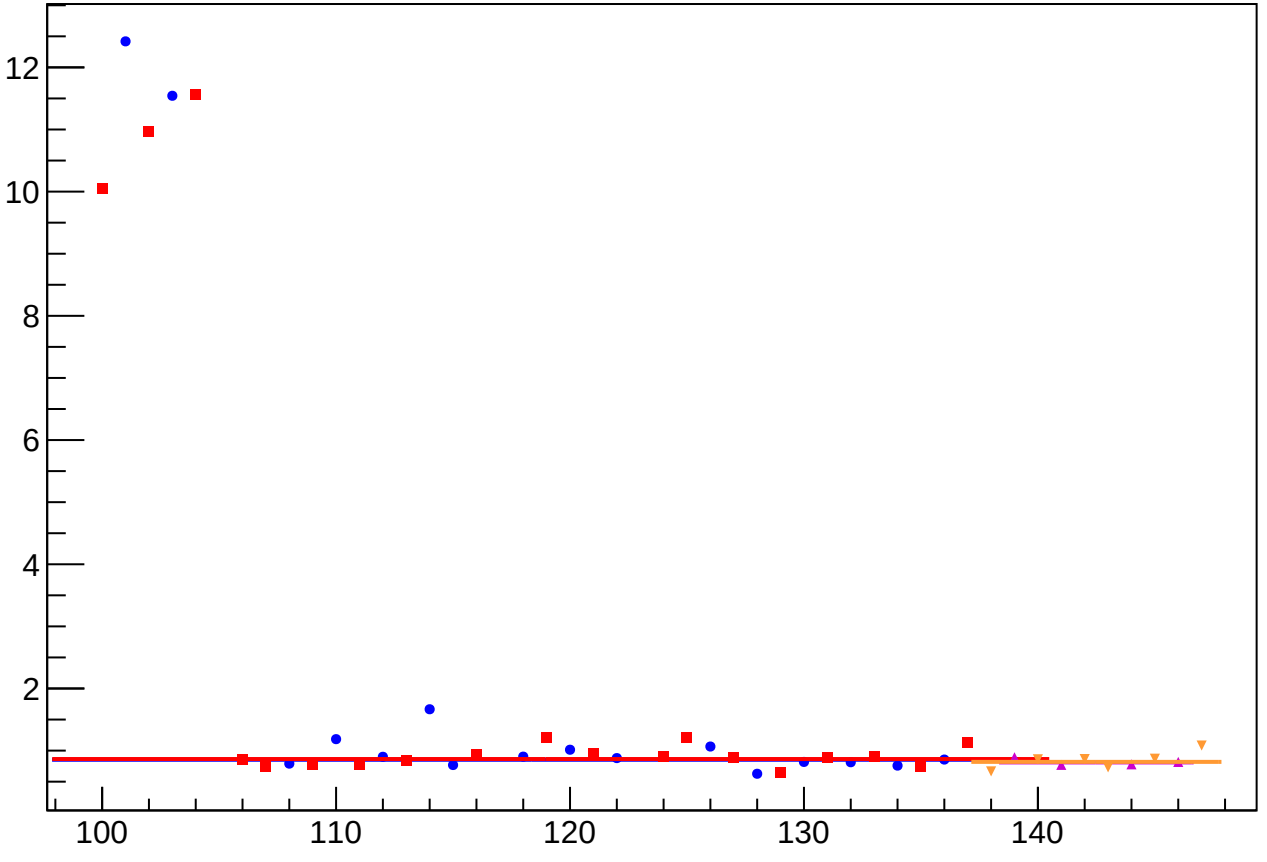
Left In: 173.994+/-0.001 χ^2/NDF:330461297.1/3

+ sign 169.946+/-0.000 χ^2/NDF: 14828681175.8/21

All: 170.452+/-0.000 χ^2/NDF: 31525754371.

- sign 170.978+/-0.000 χ^2/NDF: 16692425236.4/22

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.819+/-0.000 χ^2/NDF:129225.6/5

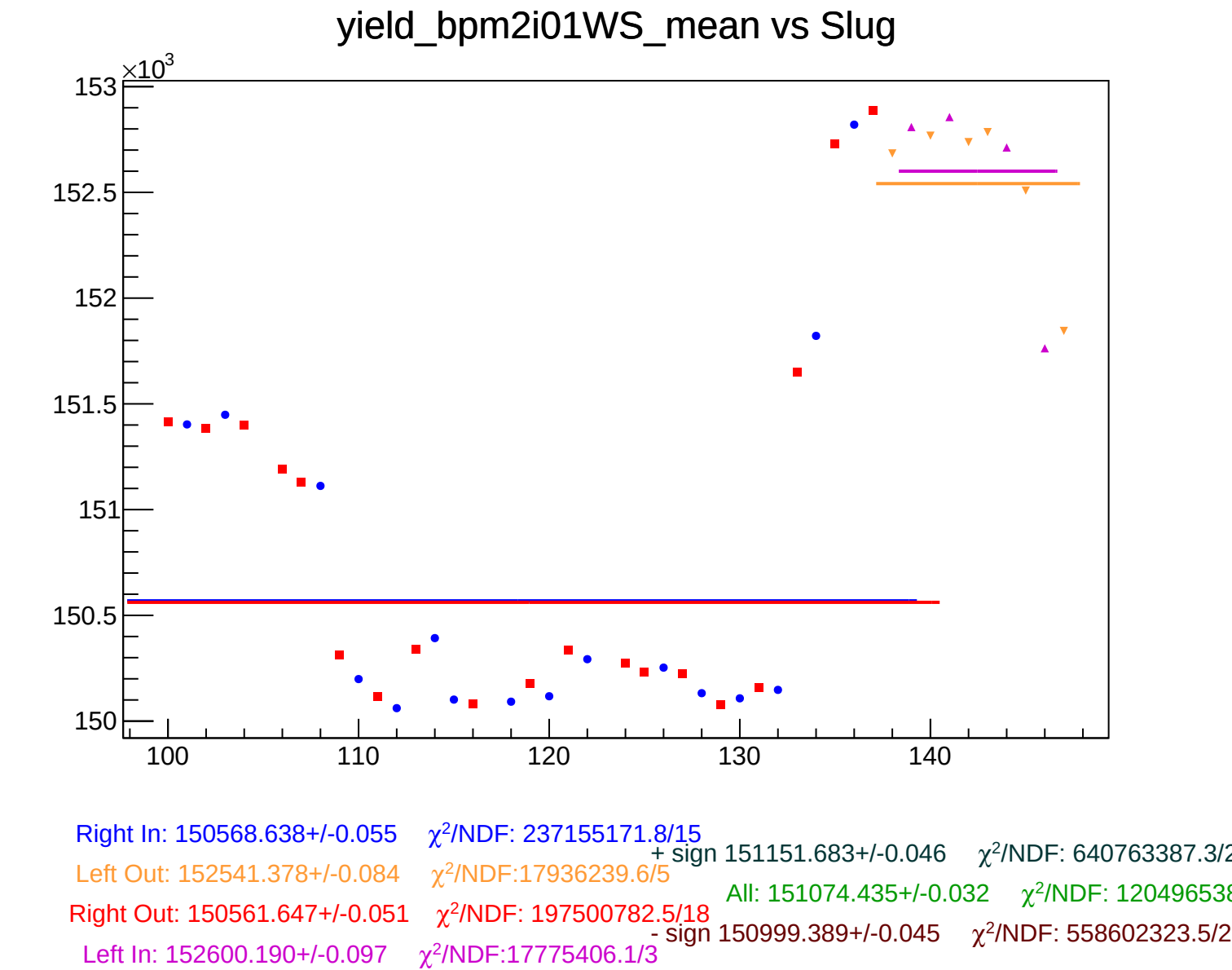
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.810+/-0.000 χ^2/NDF:11826.5/3

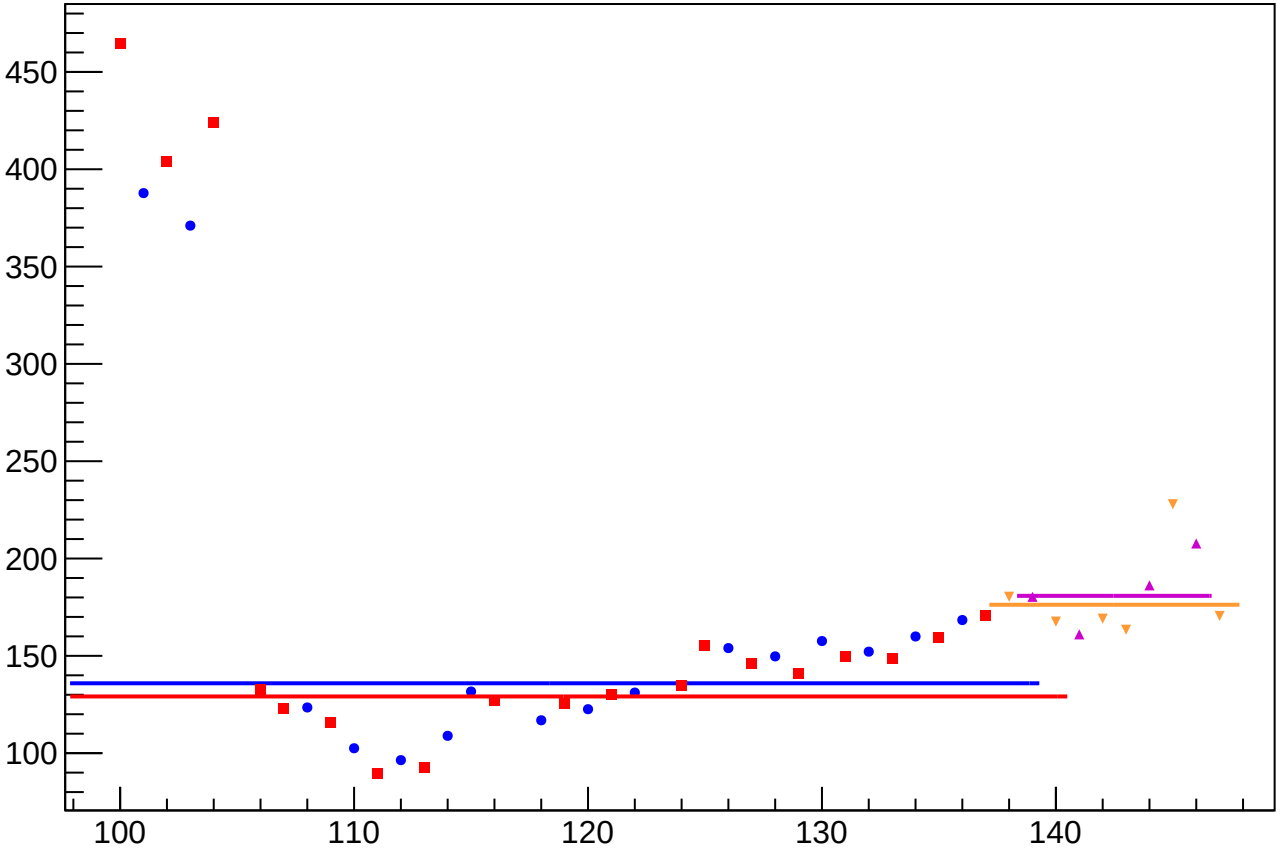
+ sign 0.839+/-0.000 χ^2/NDF: 2436590.4/21

All: 0.842+/-0.000 χ^2/NDF: 4669675.1/44

- sign 0.845+/-0.000 χ^2/NDF: 2232823.9/22


yield_bpm2i01WS_mean vs Slug
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152541.378+/-0.084 χ²/NDF:17936239.6/5
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152600.190+/-0.097 χ²/NDF:17775406.1/3
+ sign 151151.683+/-0.046 χ²/NDF: 640763387.3/2
All: 151074.435+/-0.032 χ²/NDF: 12049653
- sign 150999.389+/-0.045 χ²/NDF: 558602323.5/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

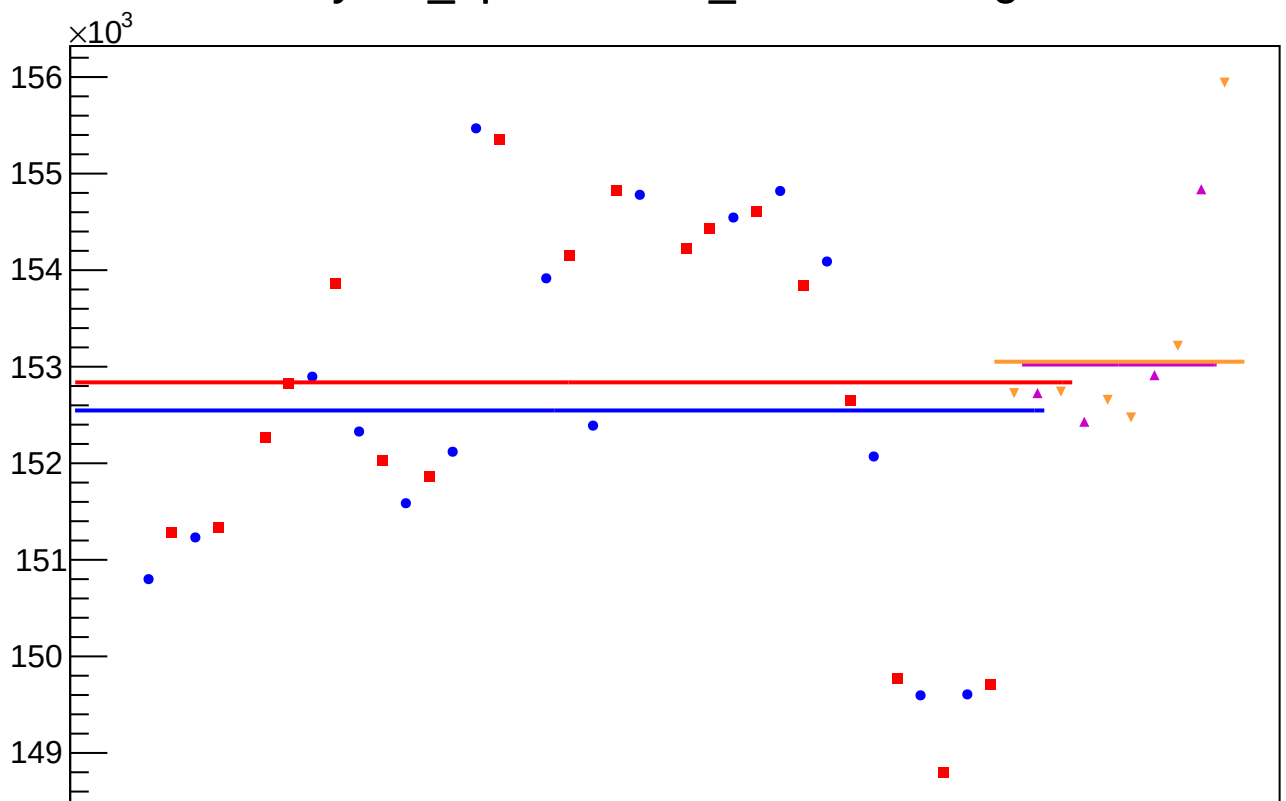
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

+ sign 147.821+/-0.032 χ^2/NDF: 1840121.5/21

All: 143.971+/-0.023 χ^2/NDF: 3980863.4/44

- sign 140.231+/-0.032 χ^2/NDF: 2112925.2/22



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

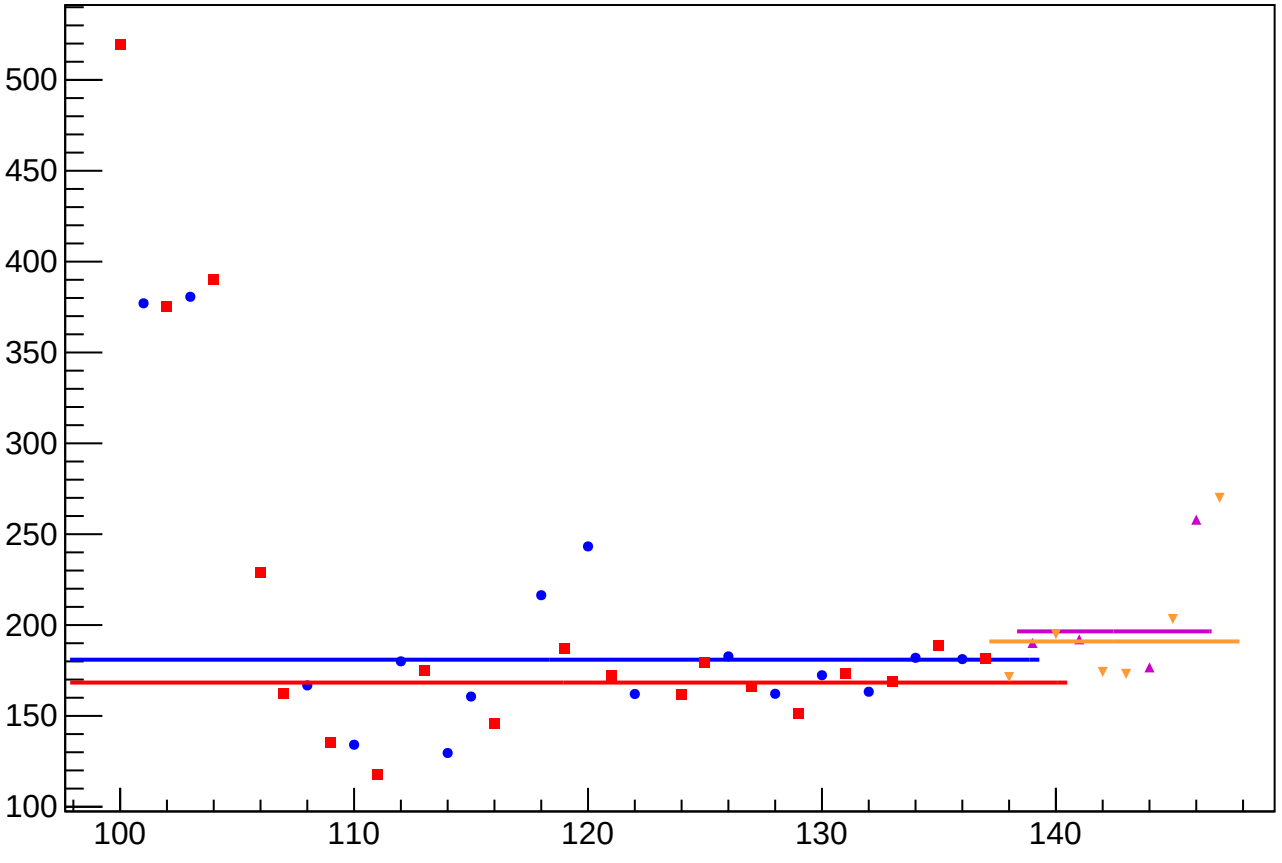
Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

+ sign 152740.047+/-0.057 χ^2/NDF: 783121196.6/2

All: 152815.734+/-0.040 χ^2/NDF: 15797294

- sign 152889.941+/-0.057 χ^2/NDF: 793124440.0/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

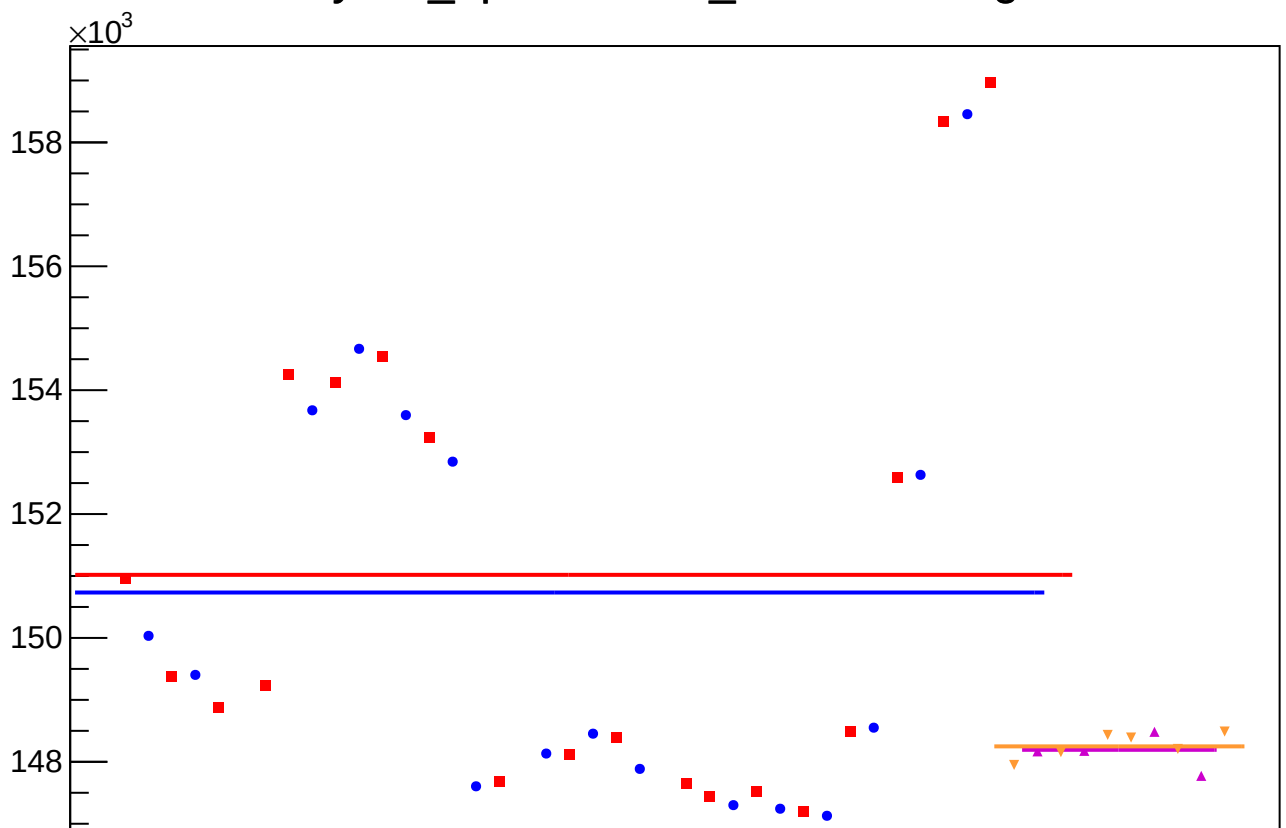
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

+ sign 184.781+/-0.040 χ^2/NDF: 1113623.3/21

All: 180.487+/-0.028 χ^2/NDF: 2450159.3/44

- sign 176.277+/-0.040 χ^2/NDF: 1314110.6/22



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148249.141+/-0.091 χ^2/NDF:4157715.9/5

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

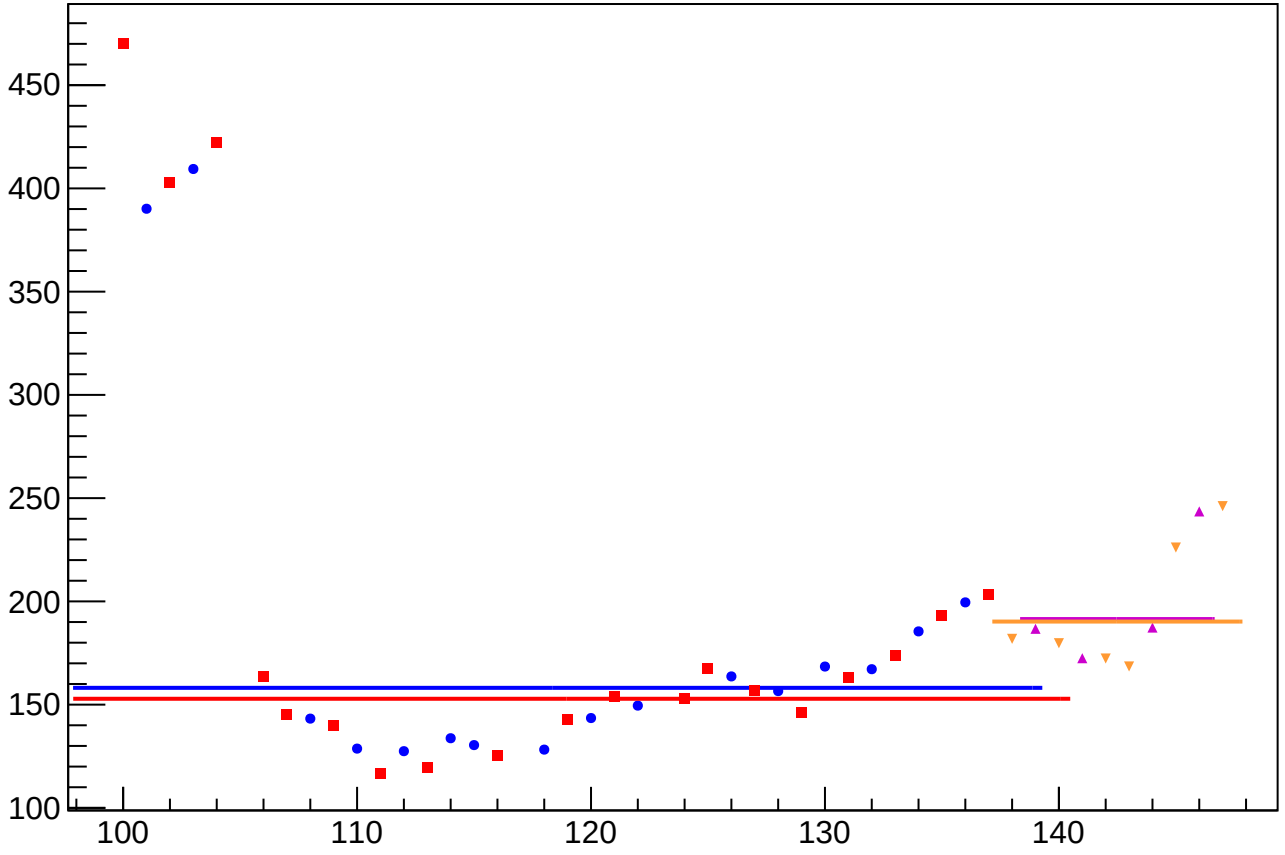
Left In: 148193.749+/-0.103 χ^2/NDF:4778924.5/3

+ sign 149934.730+/-0.052 χ^2/NDF: 3789436519.0

All: 150119.982+/-0.037 χ^2/NDF: 7663920

- sign 150306.108+/-0.052 χ^2/NDF: 3848855139.3/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.230+/-0.065 χ^2/NDF:169513.1/5

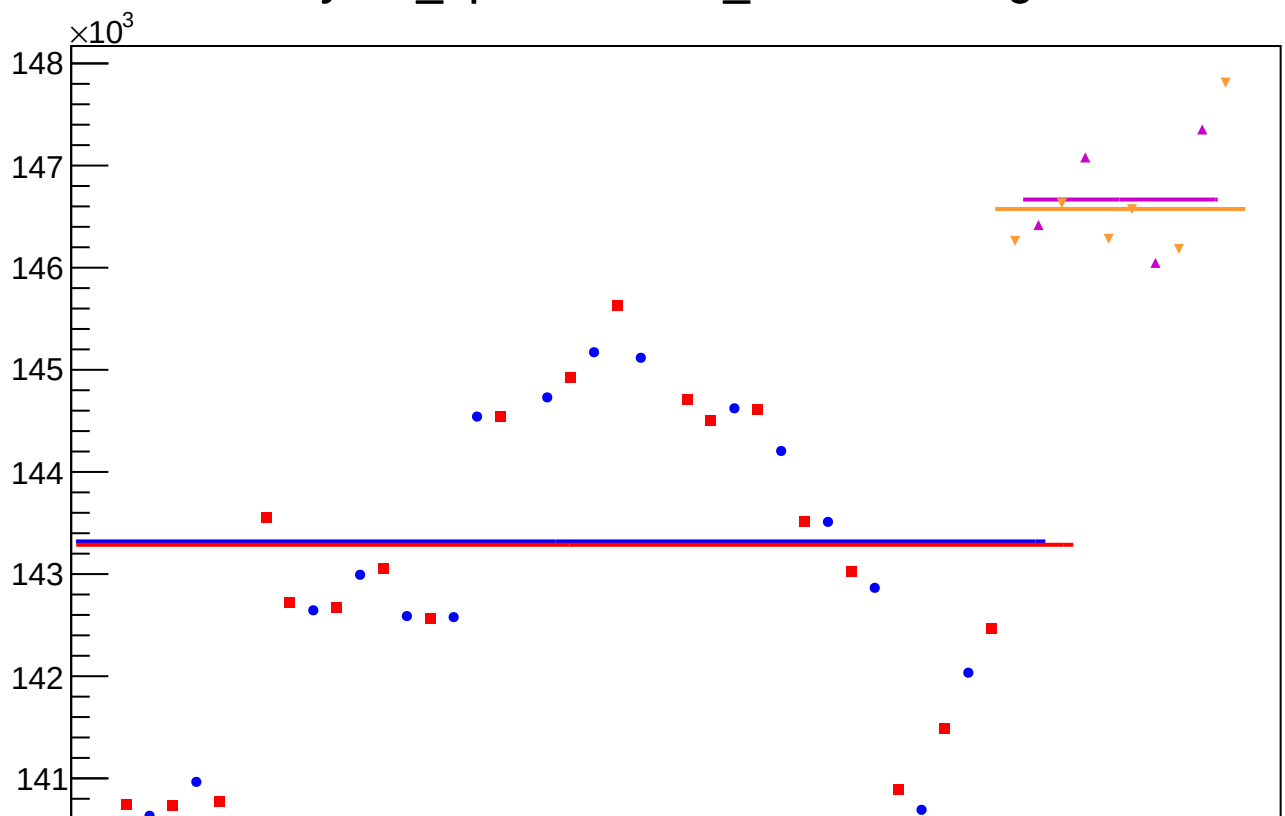
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 191.443+/-0.073 χ^2/NDF:103719.4/3

+ sign 168.454+/-0.037 χ^2/NDF: 1532587.2/21

All: 165.522+/-0.026 χ^2/NDF: 3121775.3/44

- sign 162.576+/-0.037 χ^2/NDF: 1576347.3/22



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146574.905+/-0.091 χ^2/NDF:26020577.2/5

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

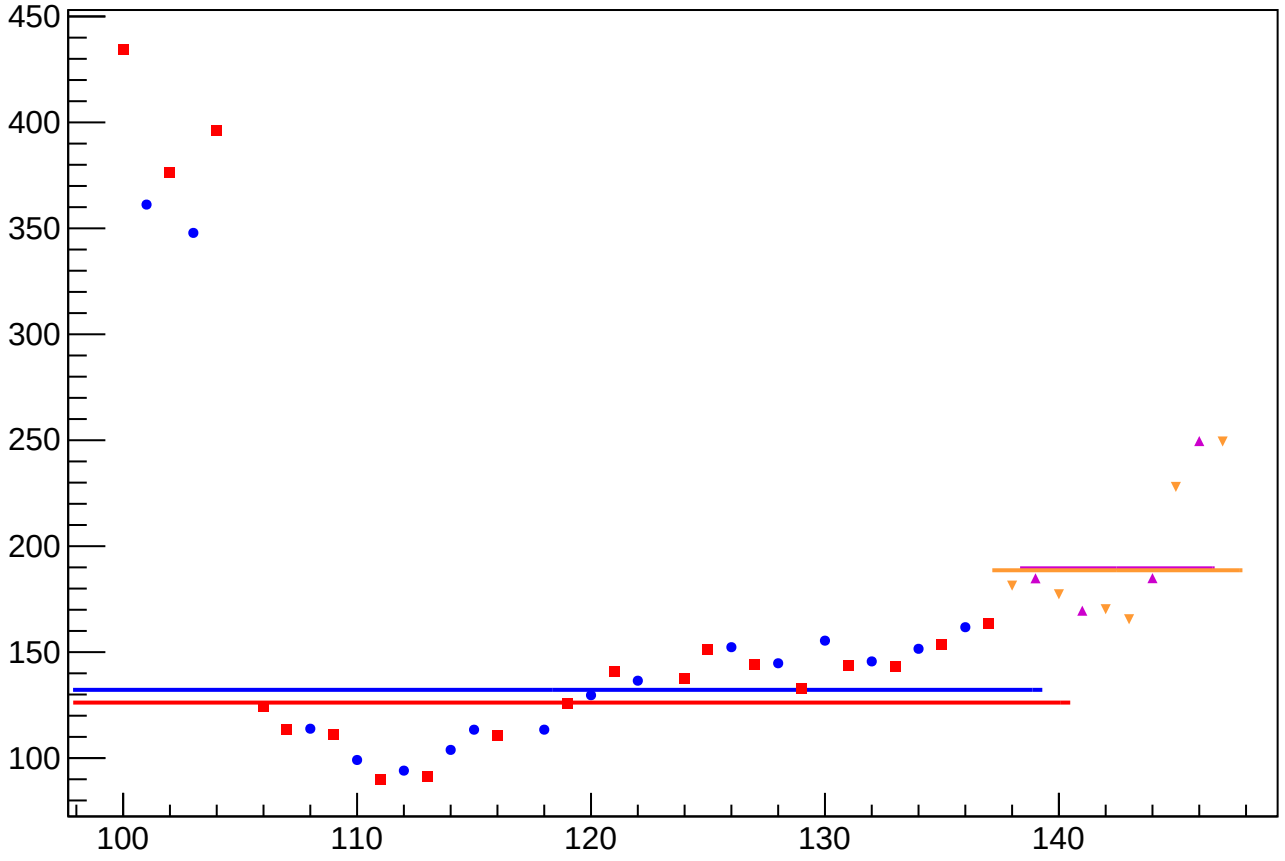
Left In: 146667.203+/-0.103 χ^2/NDF:23289444.6/3

+ sign 144150.287+/-0.046 χ^2/NDF: 1543418725.4

All: 144037.125+/-0.032 χ^2/NDF: 30780292

- sign 143929.392+/-0.045 χ^2/NDF: 1522718887.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 188.636+/-0.064 χ^2/NDF:194743.3/5

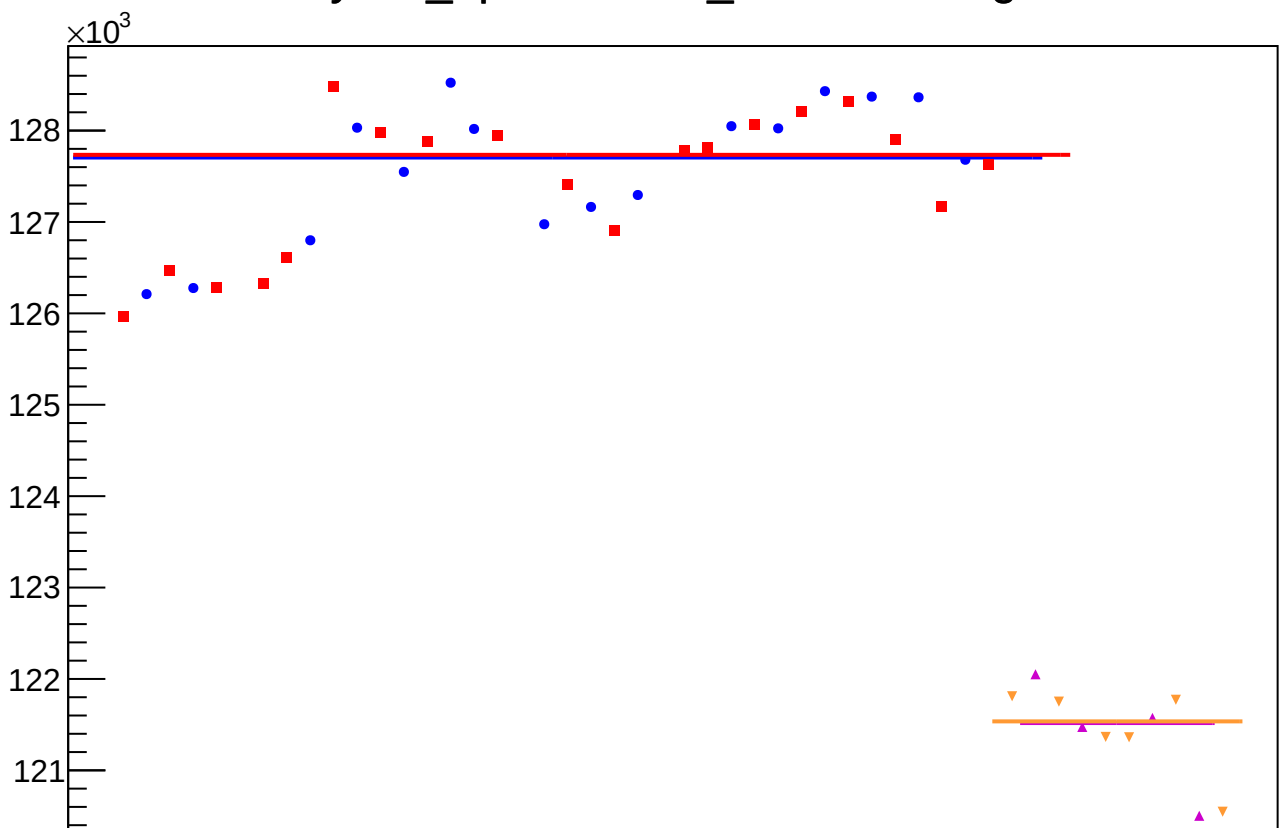
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.553+/-0.073 χ^2/NDF:127925.5/3

+ sign 146.604+/-0.032 χ^2/NDF: 2149763.8/21

All: 142.316+/-0.023 χ^2/NDF: 4474512.2/44

- sign 138.233+/-0.032 χ^2/NDF: 2290599.5/22



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121535.729+/-0.080 χ^2/NDF:18444591.4/5

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

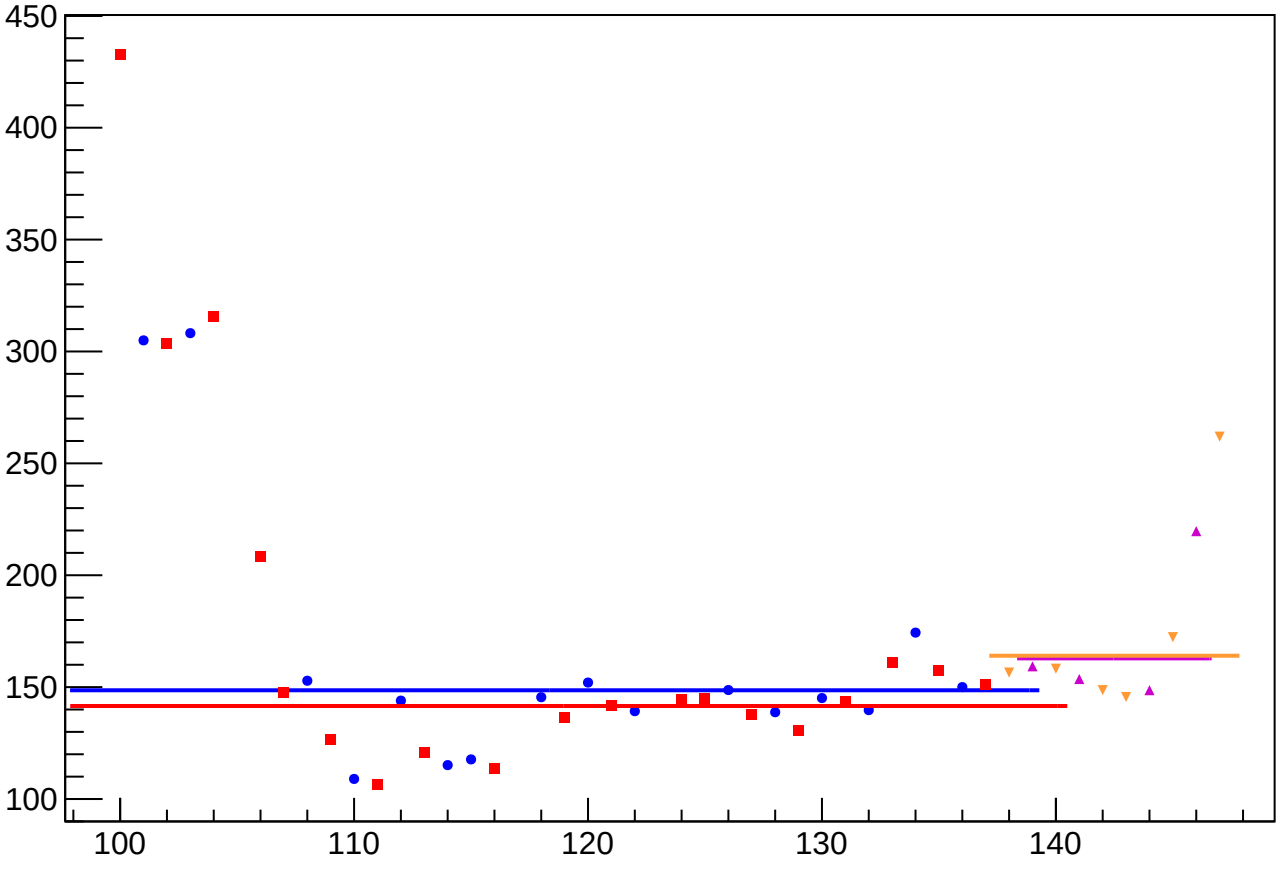
Left In: 121517.592+/-0.089 χ^2/NDF:27878484.2/3

+ sign 125568.053+/-0.047 χ^2/NDF: 3986774825.8

All: 125794.600+/-0.033 χ^2/NDF: 7712260

- sign 126016.238+/-0.047 χ^2/NDF: 3679961813.1

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 164.039+/-0.057 χ^2/NDF:270177.5/5

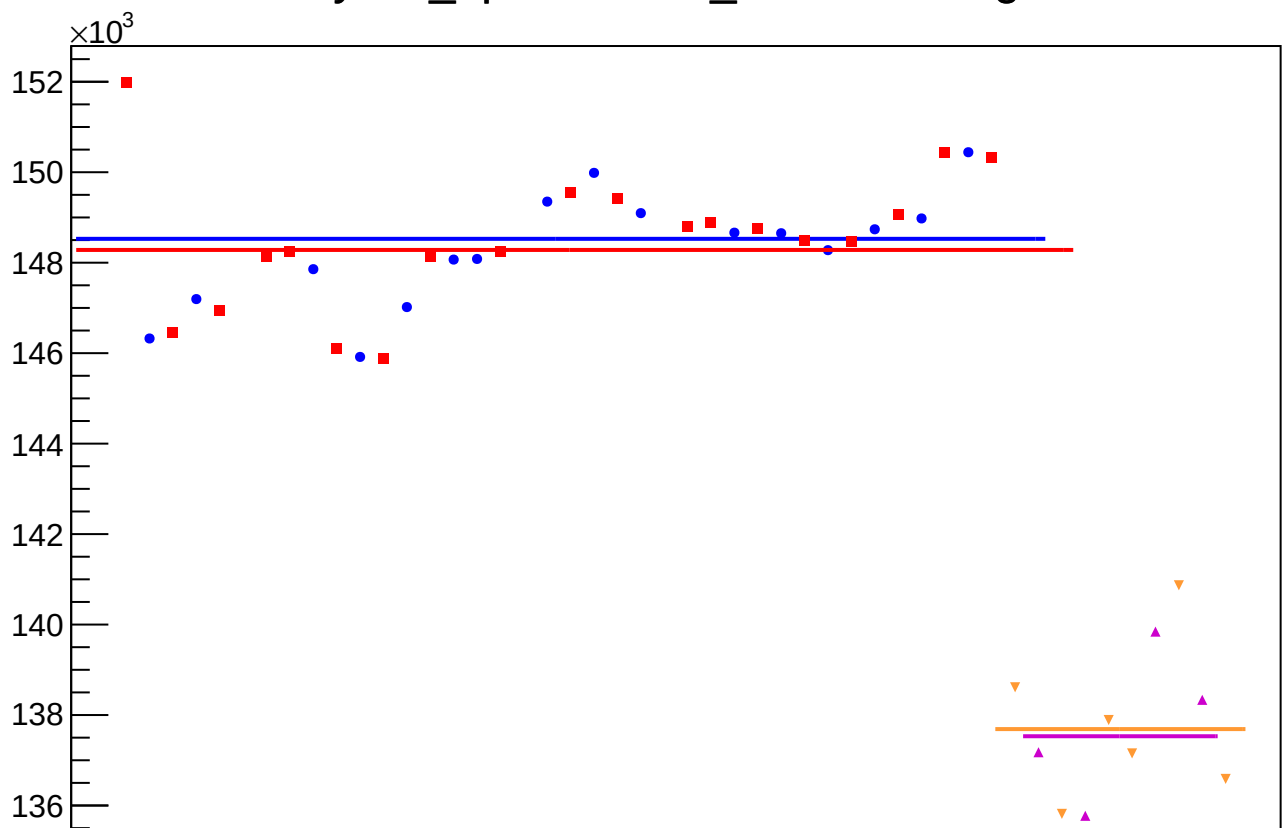
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 162.848+/-0.063 χ^2/NDF:138379.5/3

+ sign 153.944+/-0.033 χ^2/NDF: 1146316.0/21

All: 150.659+/-0.023 χ^2/NDF: 2388109.7/44

- sign 147.446+/-0.033 χ^2/NDF: 1222657.5/22



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137689.331+/-0.120 χ^2/NDF:183566031.1/5

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

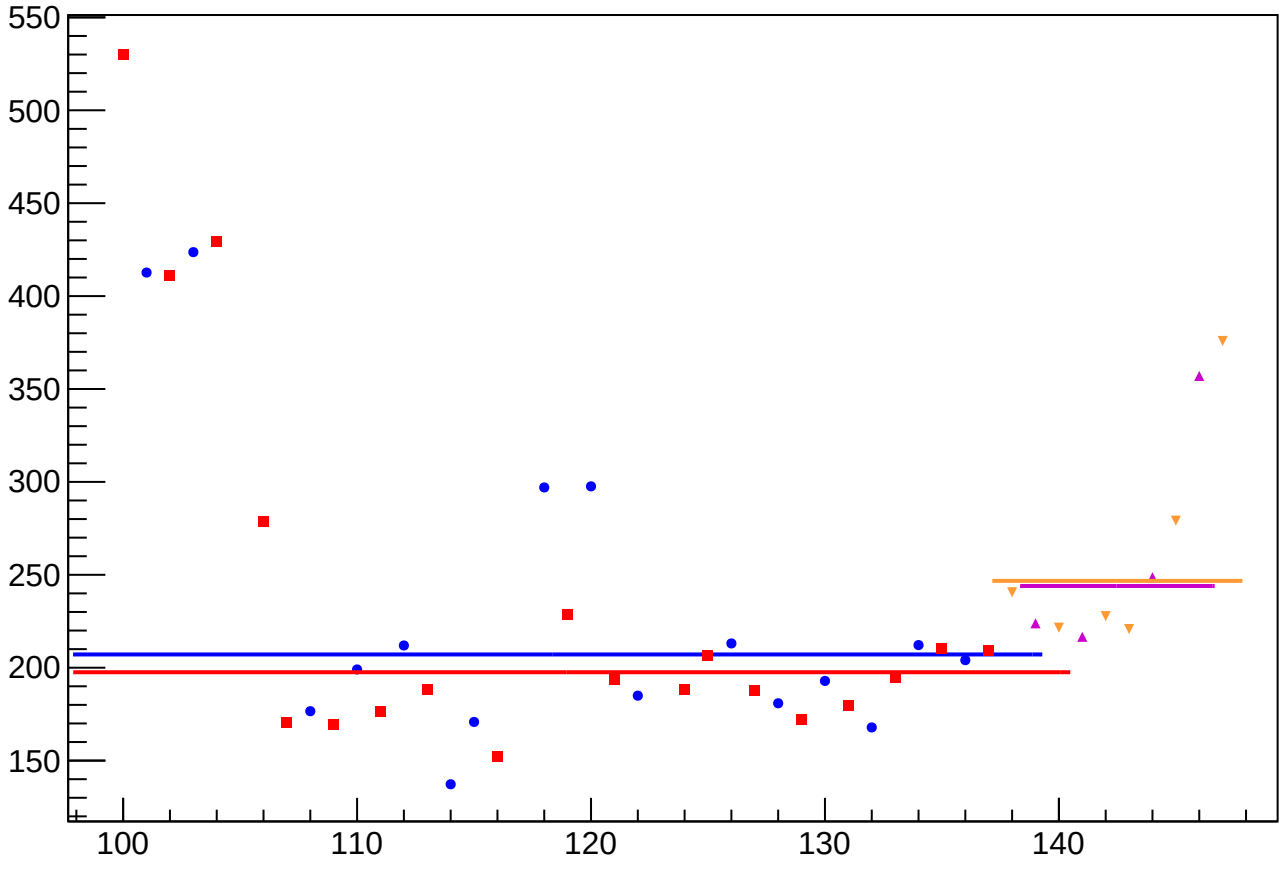
Left In: 137531.127+/-0.133 χ^2/NDF:140593880.9/3

+ sign 145063.943+/-0.068 χ^2/NDF: 5984085815.1

All: 145340.984+/-0.047 χ^2/NDF: 11350505

- sign 145608.353+/-0.066 χ^2/NDF: 5333405142.2/

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 246.742+/-0.085 χ^2/NDF:263796.4/5

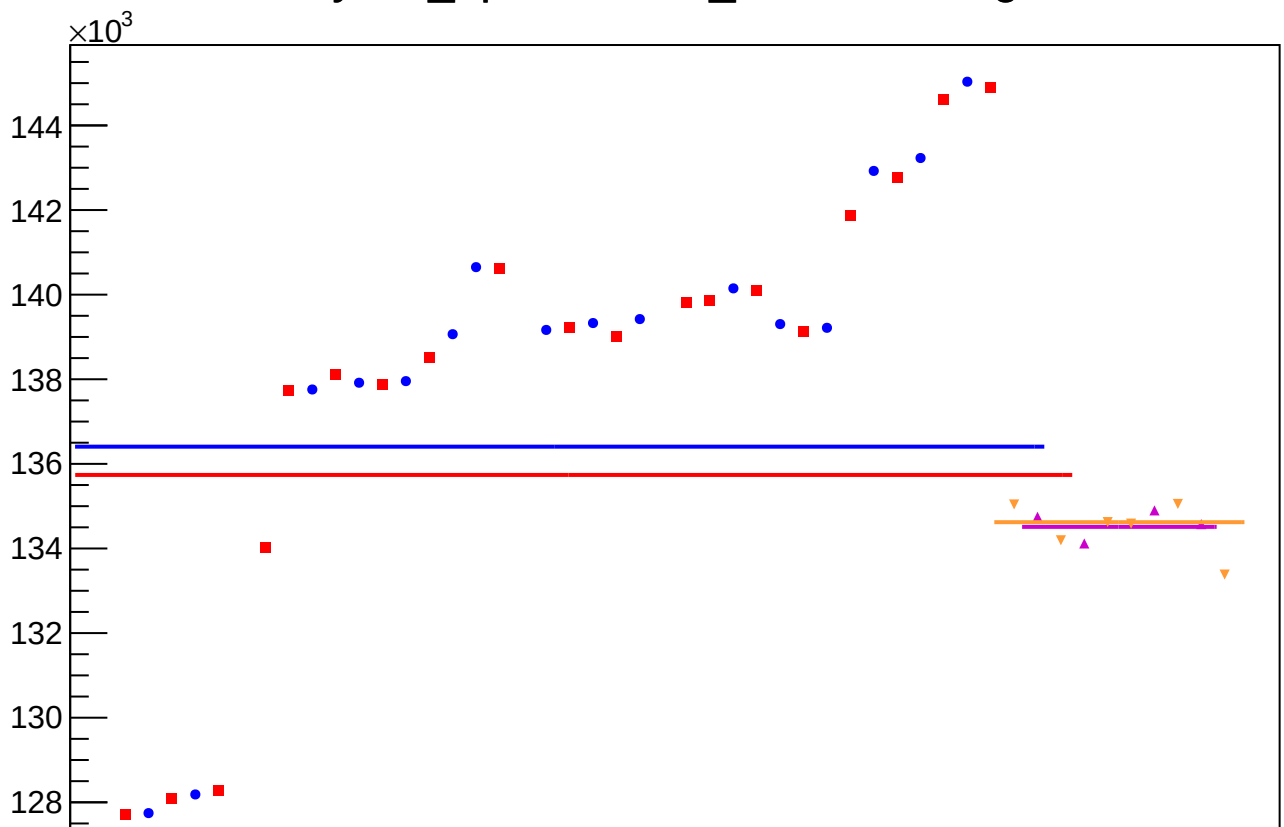
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 243.967+/-0.094 χ^2/NDF:216913.0/3

+ sign 219.793+/-0.048 χ^2/NDF: 1385348.7/21

All: 214.356+/-0.033 χ^2/NDF: 2714131.3/44

- sign 209.109+/-0.047 χ^2/NDF: 1303355.4/22



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134621.618+/-0.260 χ^2/NDF:3442589.3/5

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

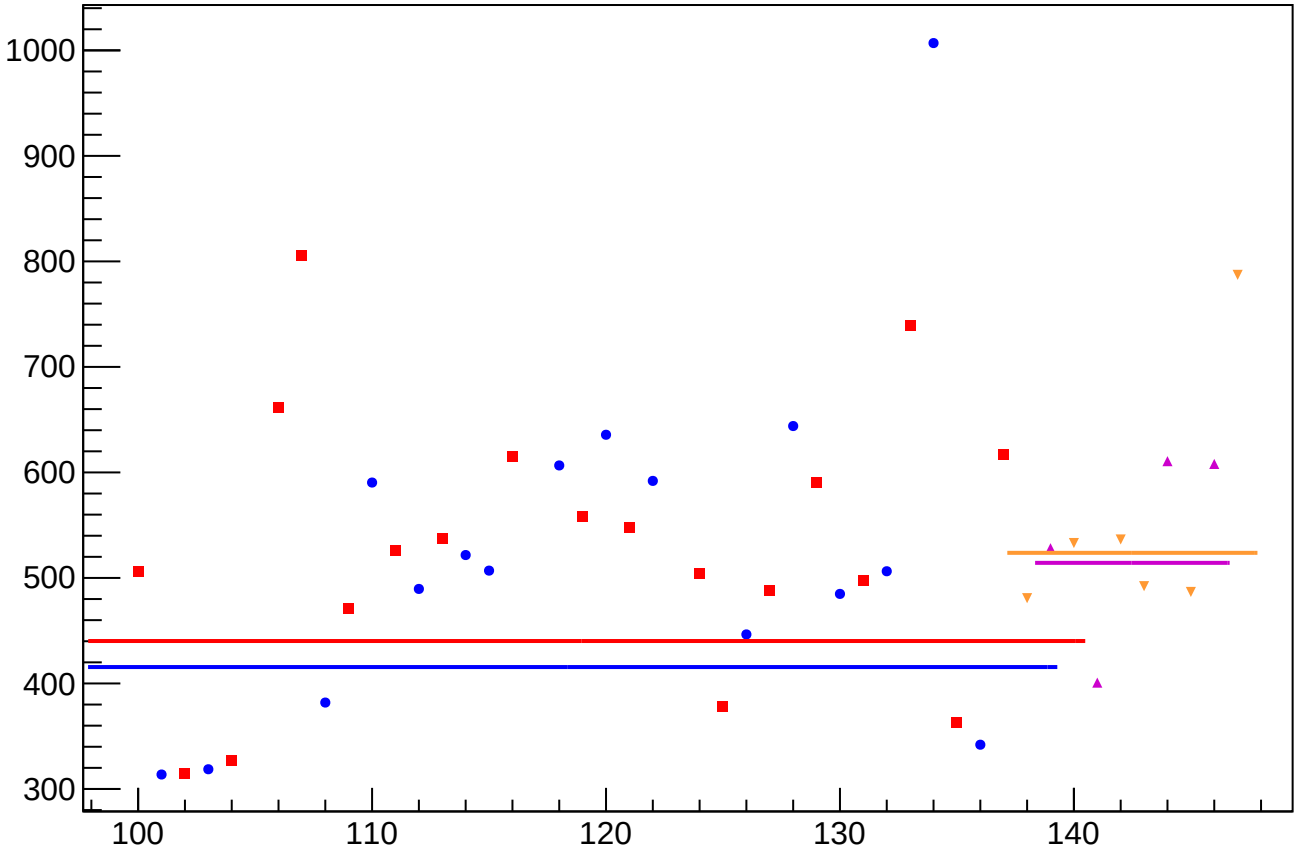
Left In: 134510.833+/-0.302 χ^2/NDF:1105902.8/3

+ sign 135877.651+/-0.141 χ^2/NDF: 1613764261.1/

All: 135668.974+/-0.104 χ^2/NDF: 28059911

- sign 135426.079+/-0.153 χ^2/NDF: 1187513622.4/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 523.796+/-0.184 χ^2/NDF:191817.9/5

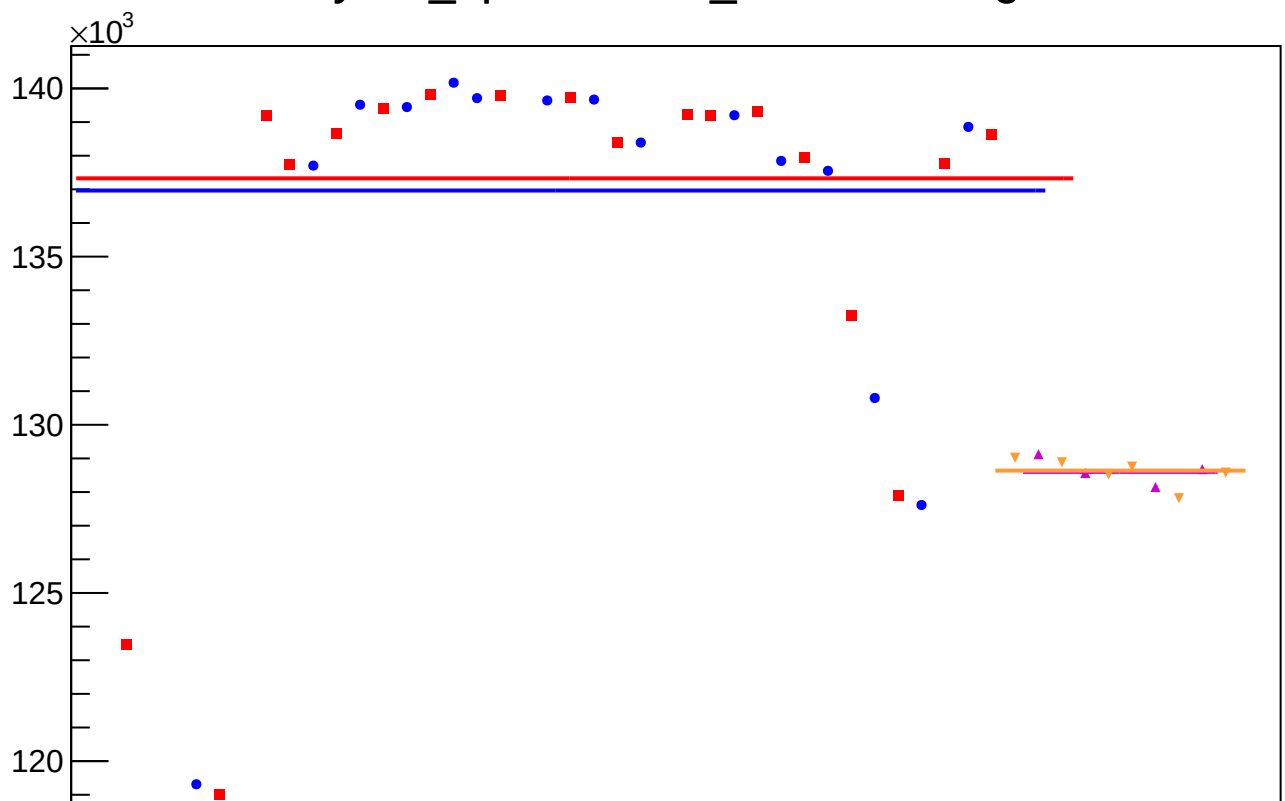
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 514.294+/-0.214 χ^2/NDF:186230.4/3

+ sign 447.639+/-0.100 χ^2/NDF: 1467902.9/21

All: 452.919+/-0.073 χ^2/NDF: 2660418.7/44

- sign 459.065+/-0.108 χ^2/NDF: 1186480.6/22



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128637.999+/-0.086 χ^2/NDF:21078283.3/5

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

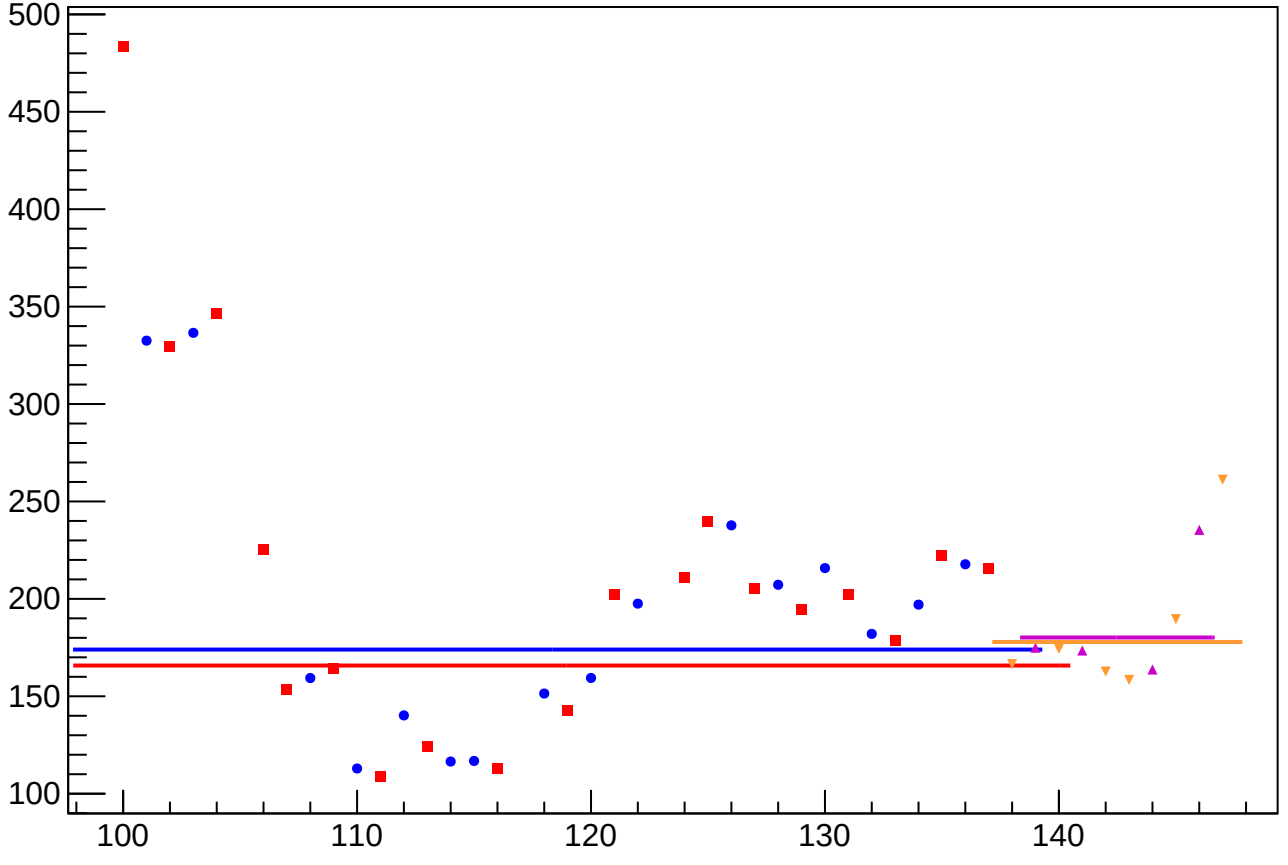
Left In: 128599.328+/-0.098 χ^2/NDF:14327443.1/3

+ sign 133664.723+/-0.054 χ^2/NDF: 11481148225.

All: 134134.760+/-0.038 χ^2/NDF: 22891912

- sign 134609.761+/-0.054 χ^2/NDF: 11259415817.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 177.869+/-0.061 χ^2/NDF:211768.5/5

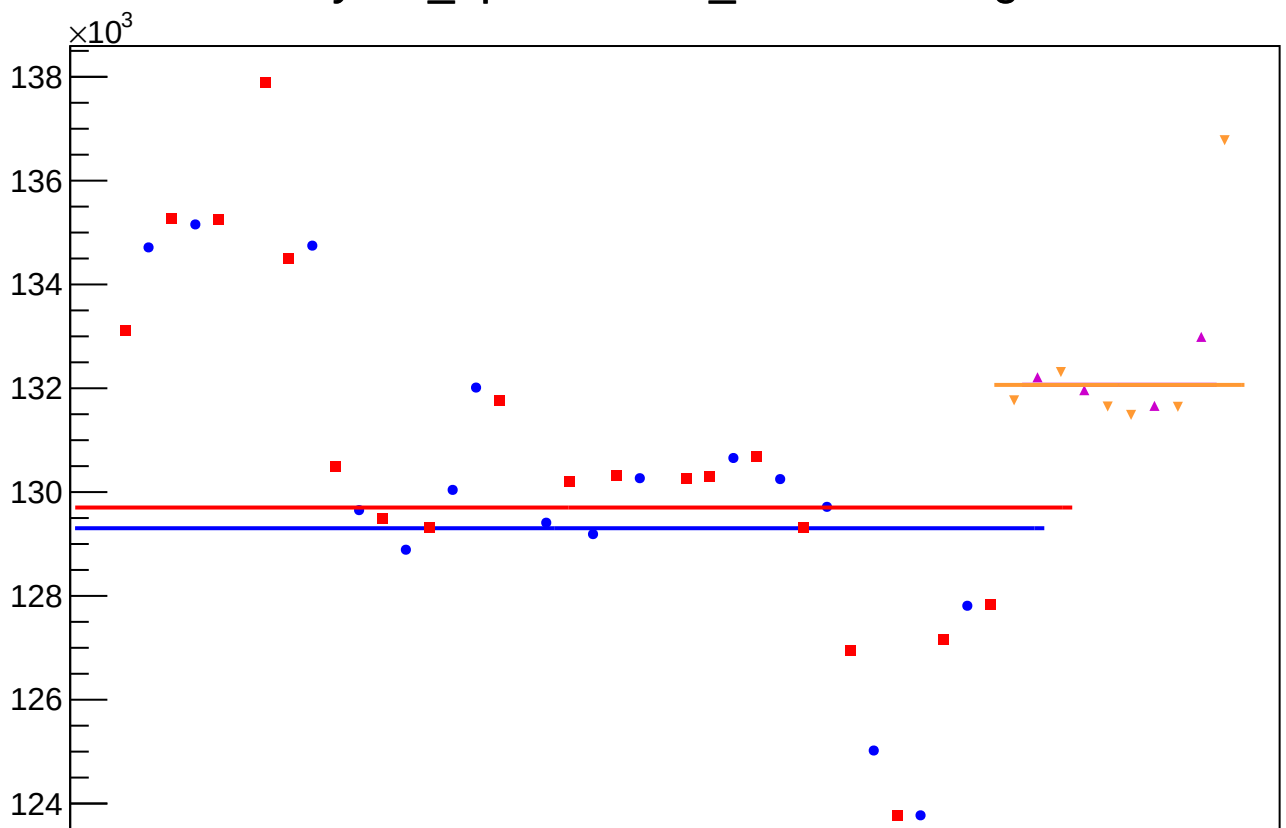
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 180.166+/-0.069 χ^2/NDF:118490.9/3

+ sign 175.522+/-0.038 χ^2/NDF: 1402724.8/21

All: 172.905+/-0.027 χ^2/NDF: 2993685.3/44

- sign 170.260+/-0.039 χ^2/NDF: 1581573.7/22



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132064.949+/-0.086 χ^2/NDF:196623044.1/5

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

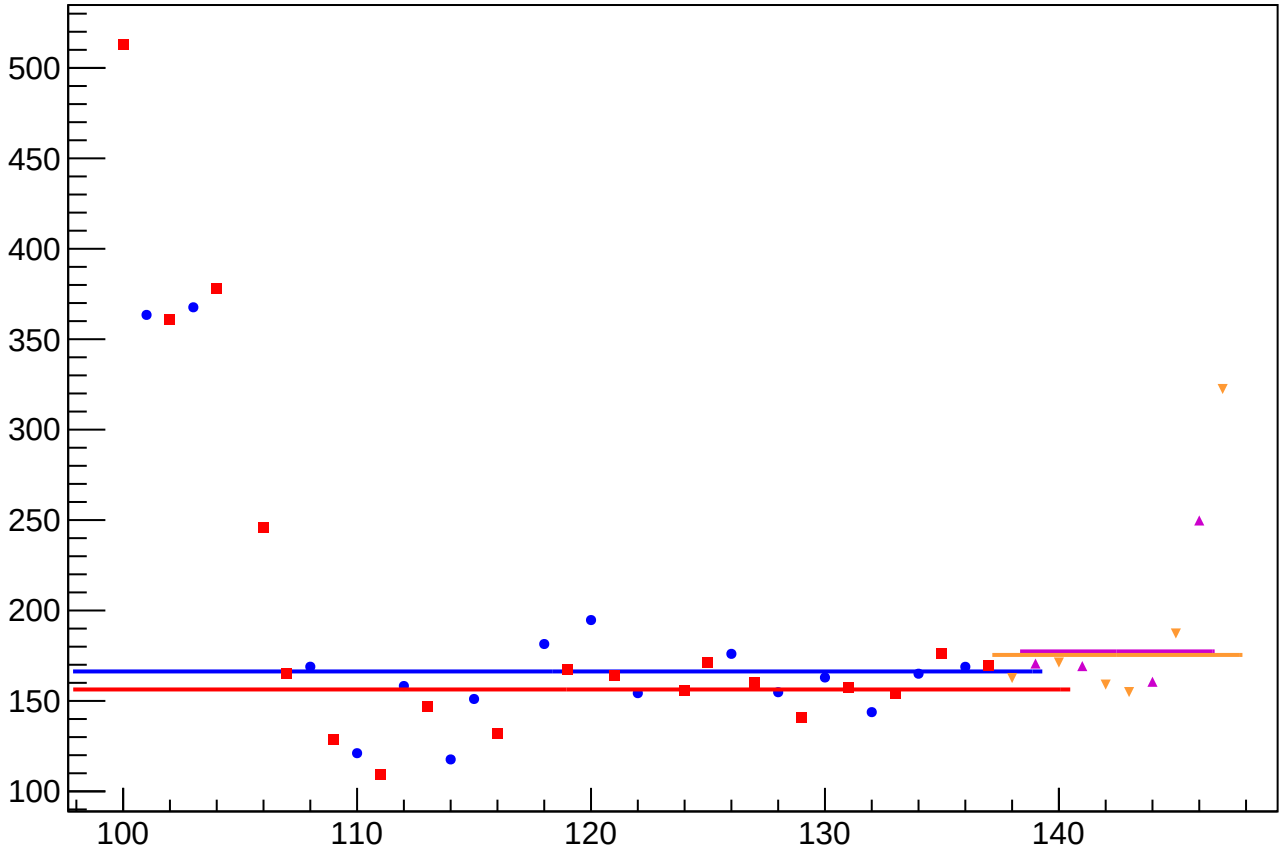
Left In: 132067.489+/-0.097 χ^2/NDF:18482947.2/3

+ sign 130331.955+/-0.052 χ^2/NDF: 2494545064.9

All: 130359.117+/-0.037 χ^2/NDF: 47178393

- sign 130385.712+/-0.052 χ^2/NDF: 2222763468.4/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 175.434+/-0.061 χ^2/NDF:392878.1/5

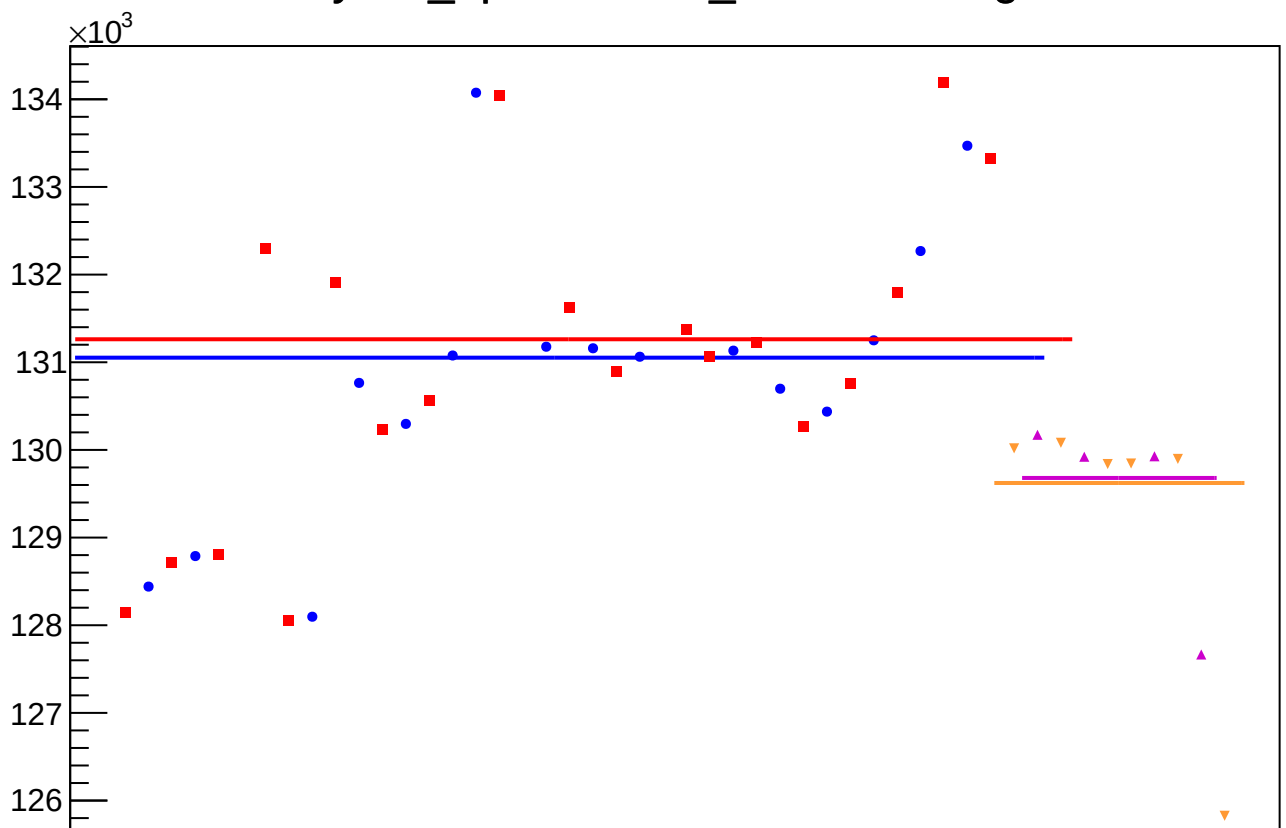
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 177.377+/-0.068 χ^2/NDF:172436.0/3

+ sign 169.702+/-0.037 χ^2/NDF: 1344994.5/21

All: 166.019+/-0.026 χ^2/NDF: 2777333.6/44

- sign 162.413+/-0.037 χ^2/NDF: 1412817.5/22



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129622.781+/-0.082 χ^2/NDF:183232044.4/5

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

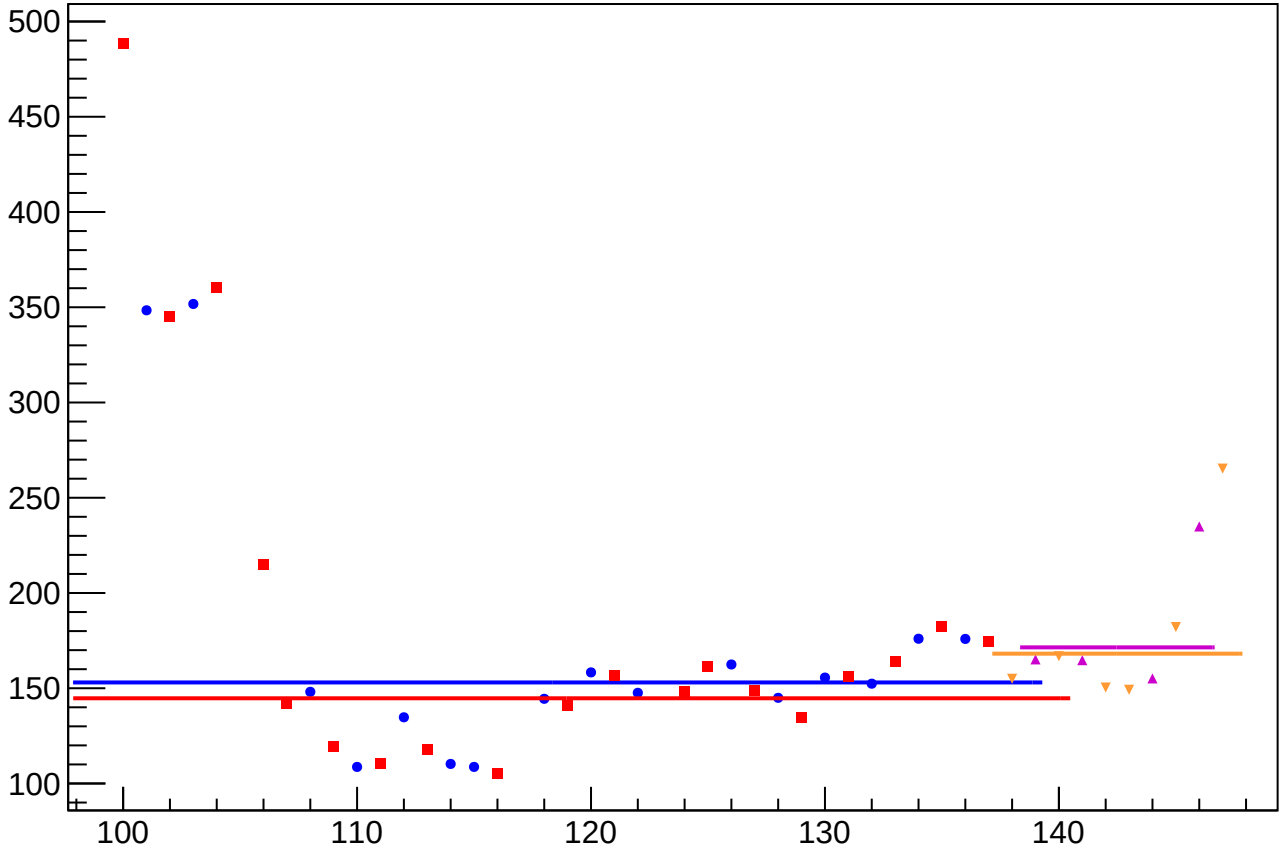
Left In: 129680.248+/-0.093 χ^2/NDF:75977108.8/3

+ sign 130543.747+/-0.049 χ^2/NDF: 904707423.7/2

All: 130689.849+/-0.034 χ^2/NDF: 18137205

- sign 130834.314+/-0.048 χ^2/NDF: 891092070.5/2

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 168.148+/-0.058 χ^2/NDF:277472.3/5

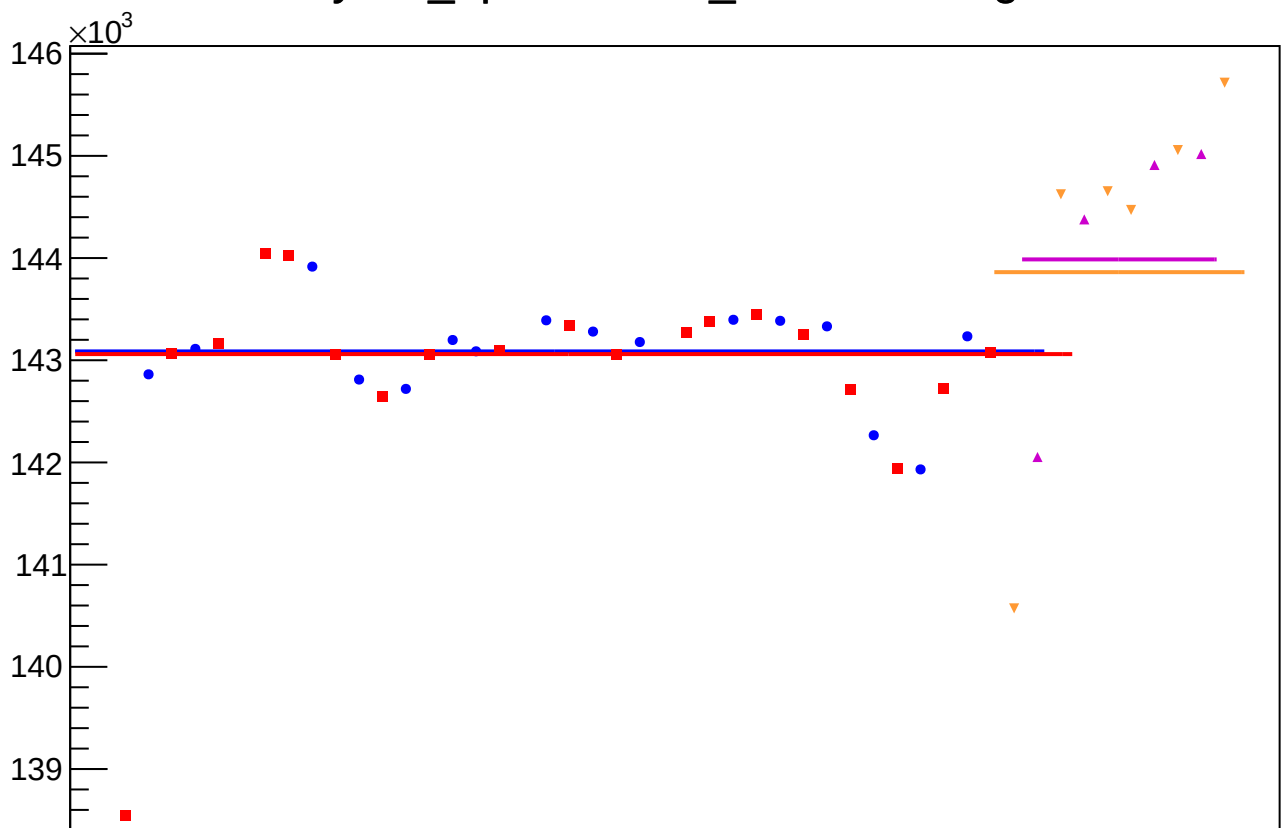
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 171.456+/-0.066 χ^2/NDF:152802.7/3

+ sign 158.417+/-0.034 χ^2/NDF: 1381097.2/21

All: 155.170+/-0.024 χ^2/NDF: 2935369.6/44

- sign 151.960+/-0.034 χ^2/NDF: 1536570.8/22



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143862.086+/-0.097 χ^2/NDF:333256861.8/5

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

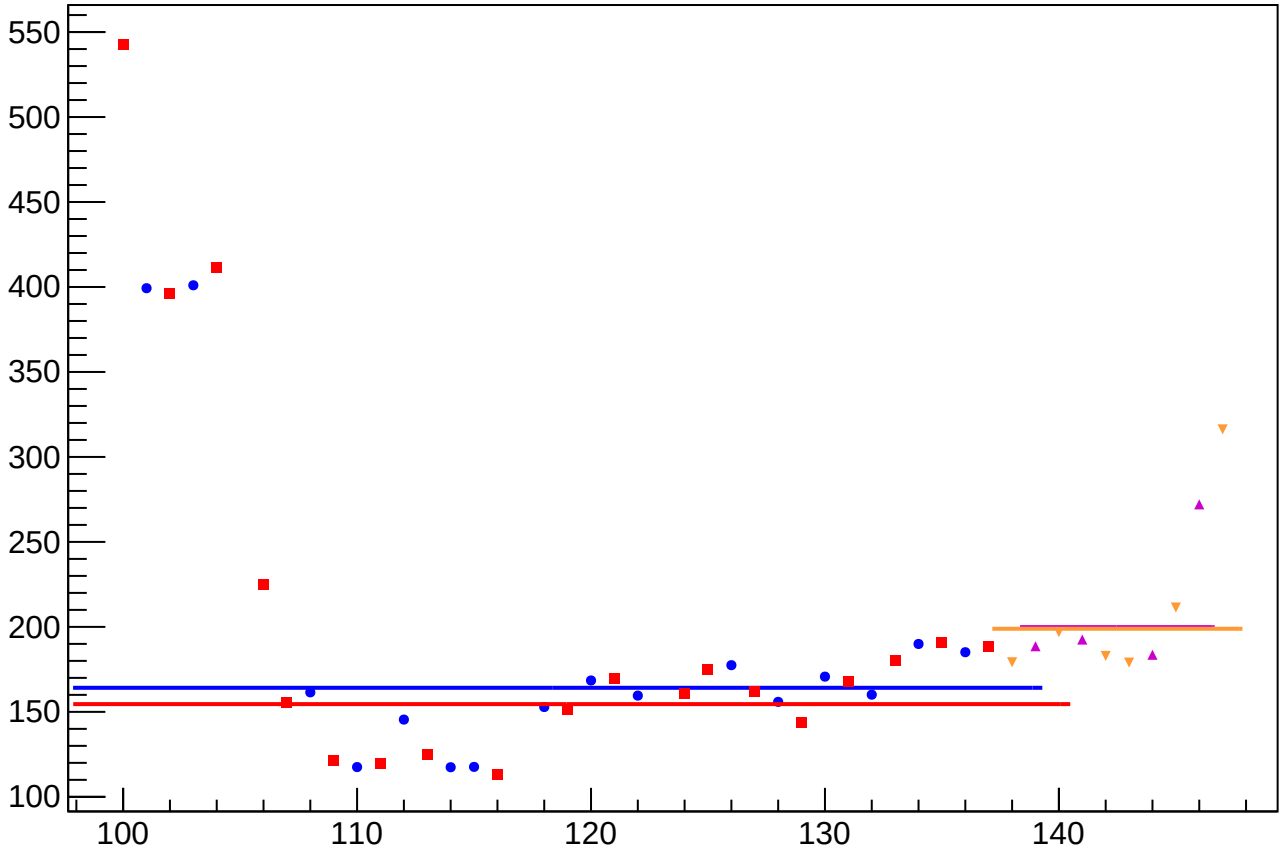
Left In: 143986.784+/-0.109 χ^2/NDF:125854931.2/3

+ sign 143326.990+/-0.054 χ^2/NDF: 424022630.2/2

All: 143302.881+/-0.038 χ^2/NDF: 65724803

- sign 143279.717+/-0.053 χ^2/NDF: 232835402.6/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 198.907+/-0.069 χ^2/NDF:275544.6/5

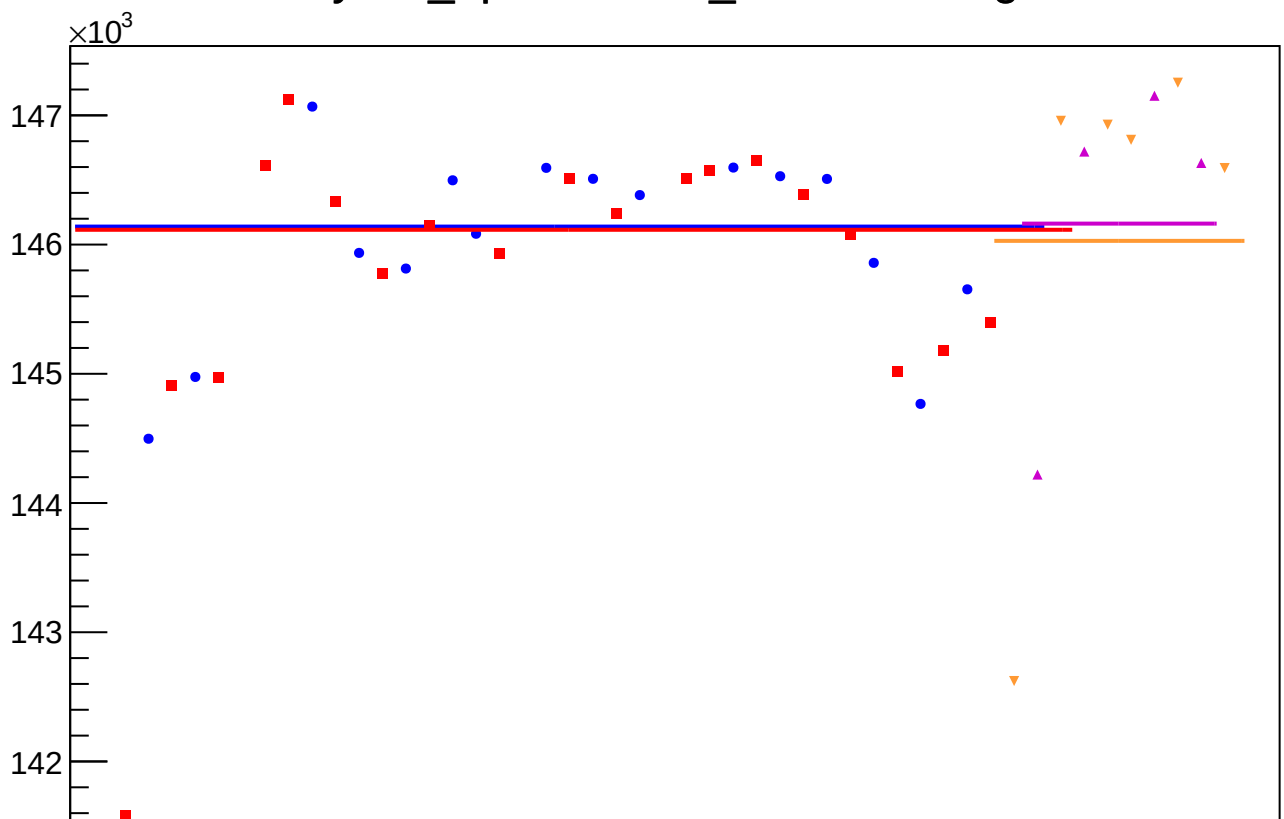
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 199.869+/-0.077 χ^2/NDF:145638.9/3

+ sign 174.939+/-0.038 χ^2/NDF: 1582014.2/21

All: 170.018+/-0.027 χ^2/NDF: 3391337.4/44

- sign 165.290+/-0.037 χ^2/NDF: 1776824.6/22



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146028.729+/-0.095 χ^2/NDF:345353745.0/5

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

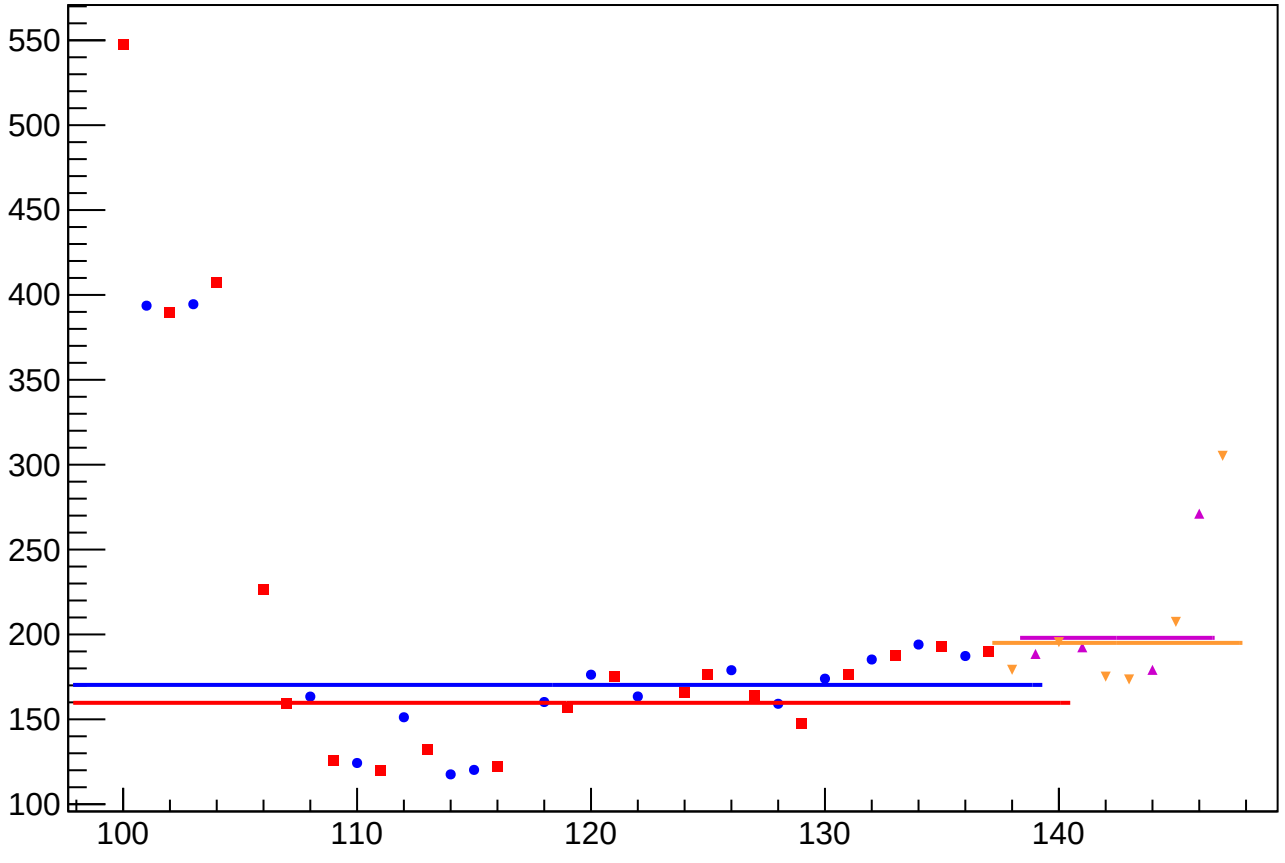
Left In: 146162.238+/-0.108 χ^2/NDF:125303596.4/3

+ sign 146102.221+/-0.055 χ^2/NDF: 417976293.3/2

All: 146114.544+/-0.039 χ^2/NDF: 61662787

- sign 146126.468+/-0.054 χ^2/NDF: 198552653.0/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 195.034+/-0.067 χ^2/NDF:266355.1/5

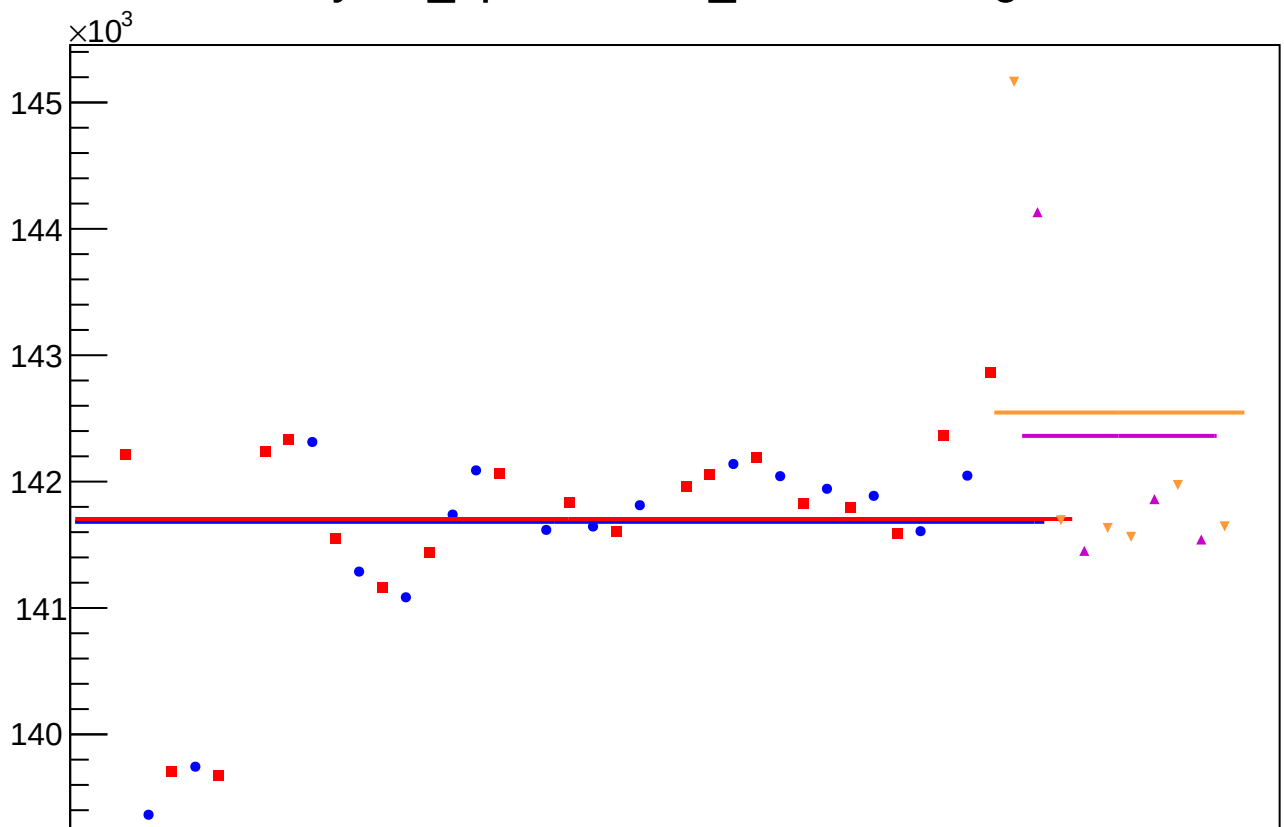
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 198.001+/-0.076 χ^2/NDF:152139.2/3

+ sign 178.571+/-0.039 χ^2/NDF: 1414381.1/21

All: 173.882+/-0.027 χ^2/NDF: 3075122.5/44

- sign 169.345+/-0.038 χ^2/NDF: 1632094.5/22



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142546.627+/-0.105 χ^2/NDF:199699746.4/5

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

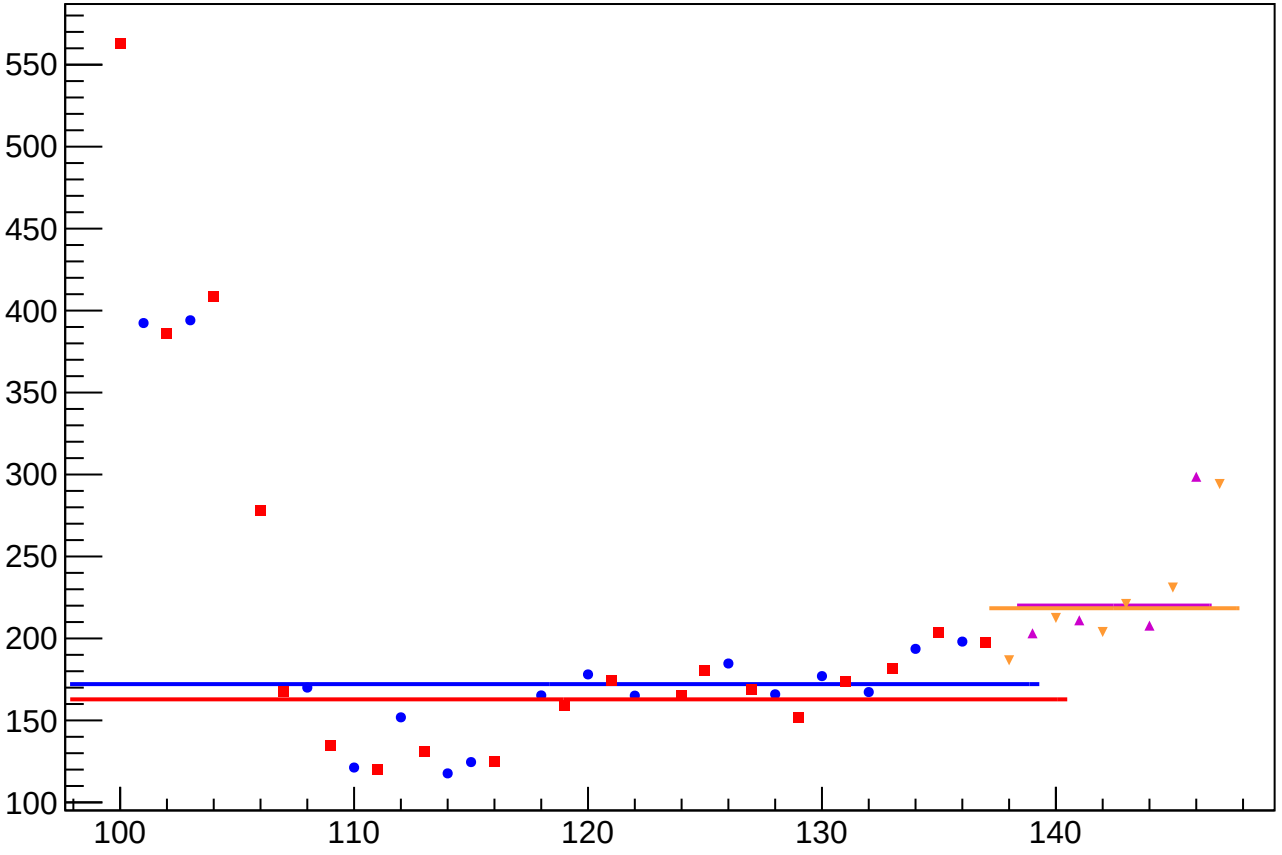
Left In: 142361.841+/-0.120 χ^2/NDF:91111957.5/3

+ sign 141937.883+/-0.057 χ^2/NDF: 311498982.2/2

All: 141892.992+/-0.040 χ^2/NDF: 49284845

- sign 141849.623+/-0.056 χ^2/NDF: 180141856.2/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.429+/-0.074 χ^2/NDF:163448.8/5

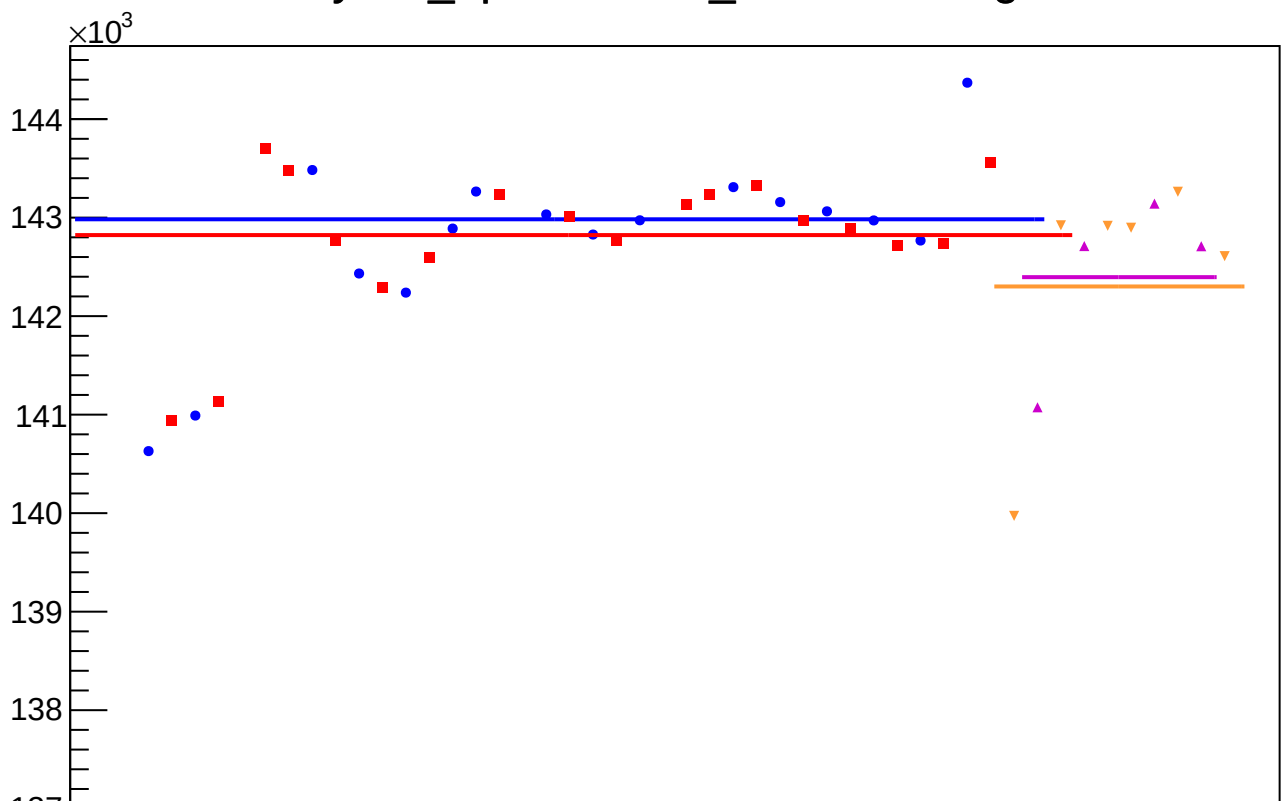
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.061+/-0.085 χ^2/NDF:141202.4/3

+ sign 185.844+/-0.041 χ^2/NDF: 1504276.0/21

All: 180.582+/-0.028 χ^2/NDF: 3340319.5/44

- sign 175.498+/-0.040 χ^2/NDF: 1802854.0/22



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142301.114+/-0.093 χ^2/NDF:180665953.1/5

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

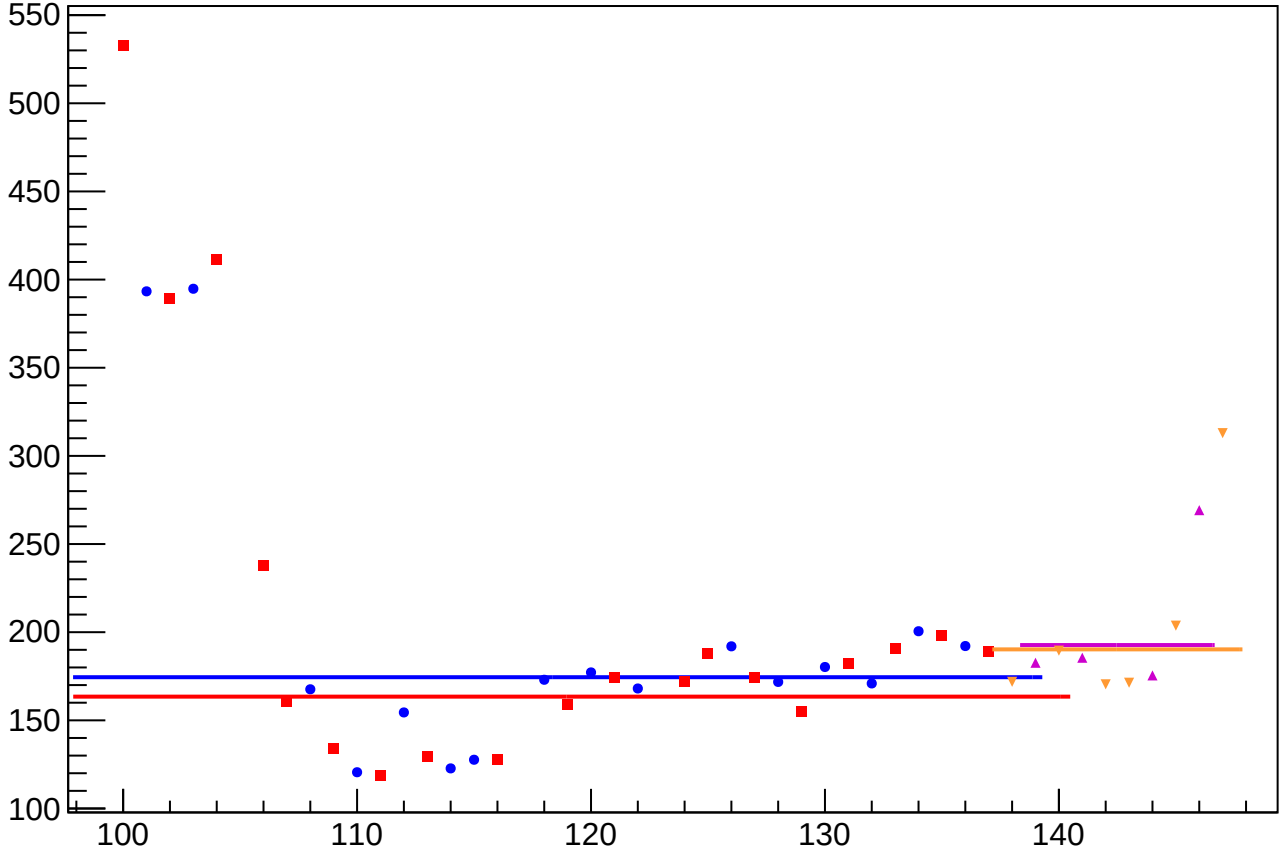
Left In: 142395.717+/-0.105 χ^2/NDF:63353357.1/3

+ sign 142739.221+/-0.055 χ^2/NDF: 323166596.6/2

All: 142722.787+/-0.039 χ^2/NDF: 46234922

- sign 142706.790+/-0.055 χ^2/NDF: 139008940.0/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 190.251+/-0.066 χ^2/NDF:306968.2/5

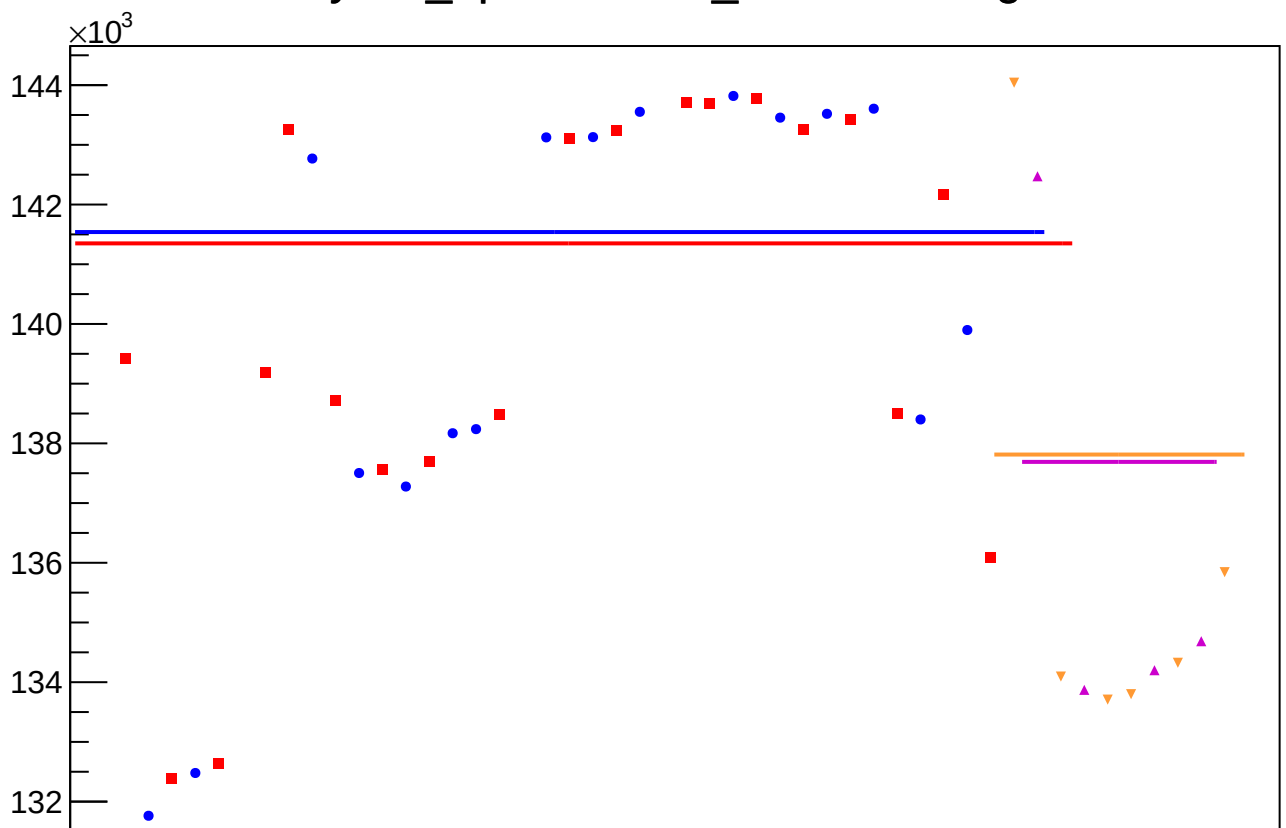
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 192.707+/-0.074 χ^2/NDF:166145.4/3

+ sign 180.110+/-0.039 χ^2/NDF: 1393393.0/21

All: 175.692+/-0.028 χ^2/NDF: 2980512.8/44

- sign 171.392+/-0.039 χ^2/NDF: 1562019.2/22



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137812.848+/-0.145 χ^2/NDF:1052080793.6/5

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

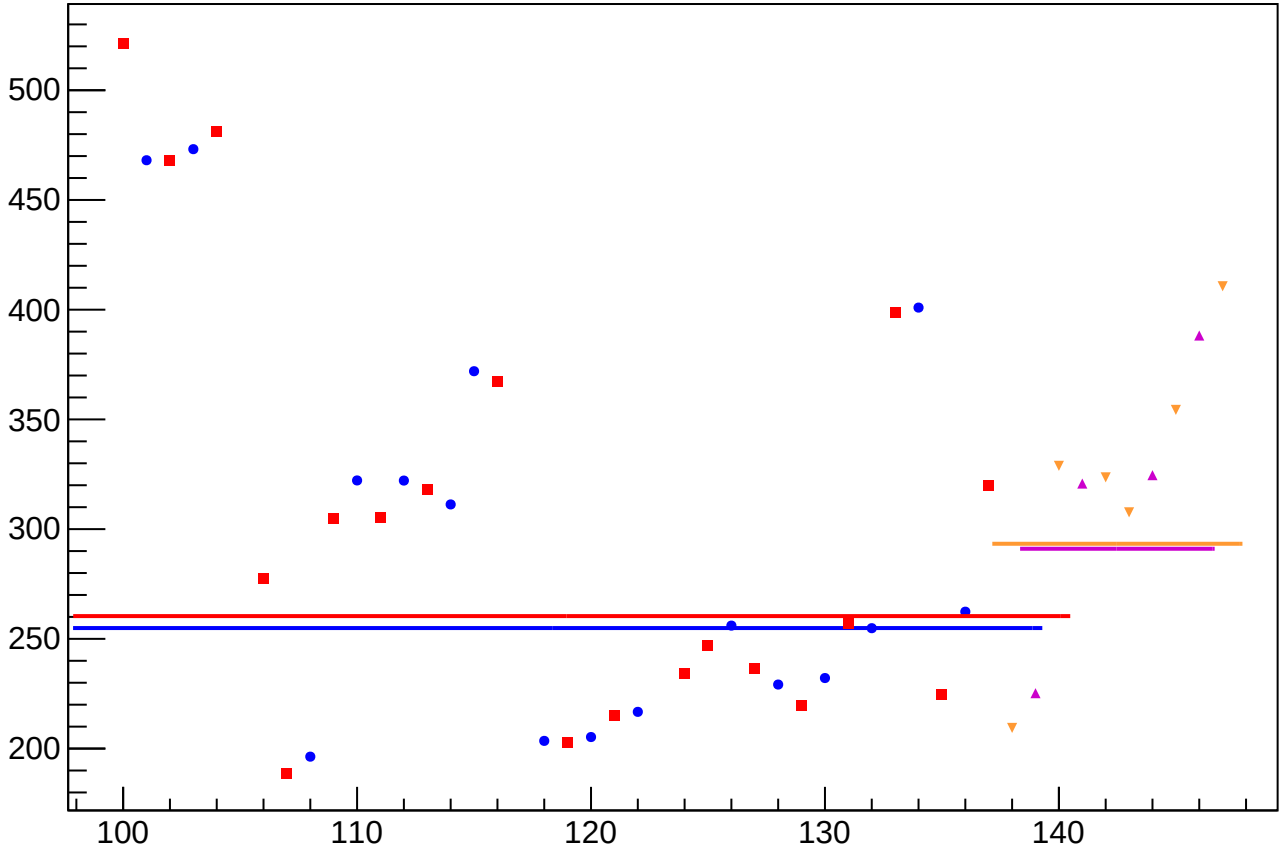
Left In: 137689.902+/-0.163 χ^2/NDF:633739376.9/3

+ sign 140330.044+/-0.083 χ^2/NDF: 2443311579.0

All: 140329.912+/-0.060 χ^2/NDF: 4369142

- sign 140329.771+/-0.086 χ^2/NDF: 1925830823.4/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 293.331+/-0.103 χ^2/NDF:448098.1/5

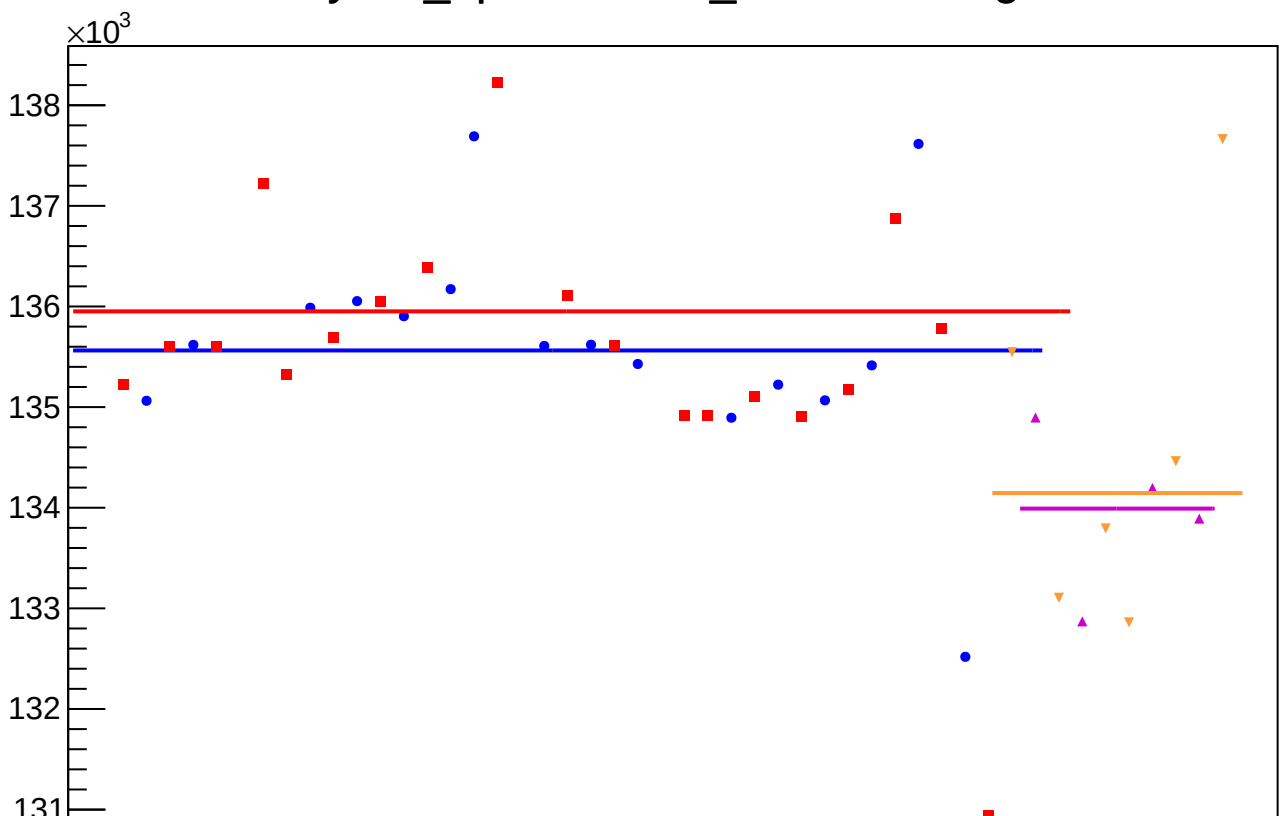
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 291.056+/-0.115 χ^2/NDF:274444.8/3

+ sign 267.385+/-0.059 χ^2/NDF: 1492287.6/21

All: 268.125+/-0.042 χ^2/NDF: 2811754.7/44

- sign 268.919+/-0.061 χ^2/NDF: 1319136.4/22



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134145.808+/-0.100 χ^2/NDF:165681539.7/5

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

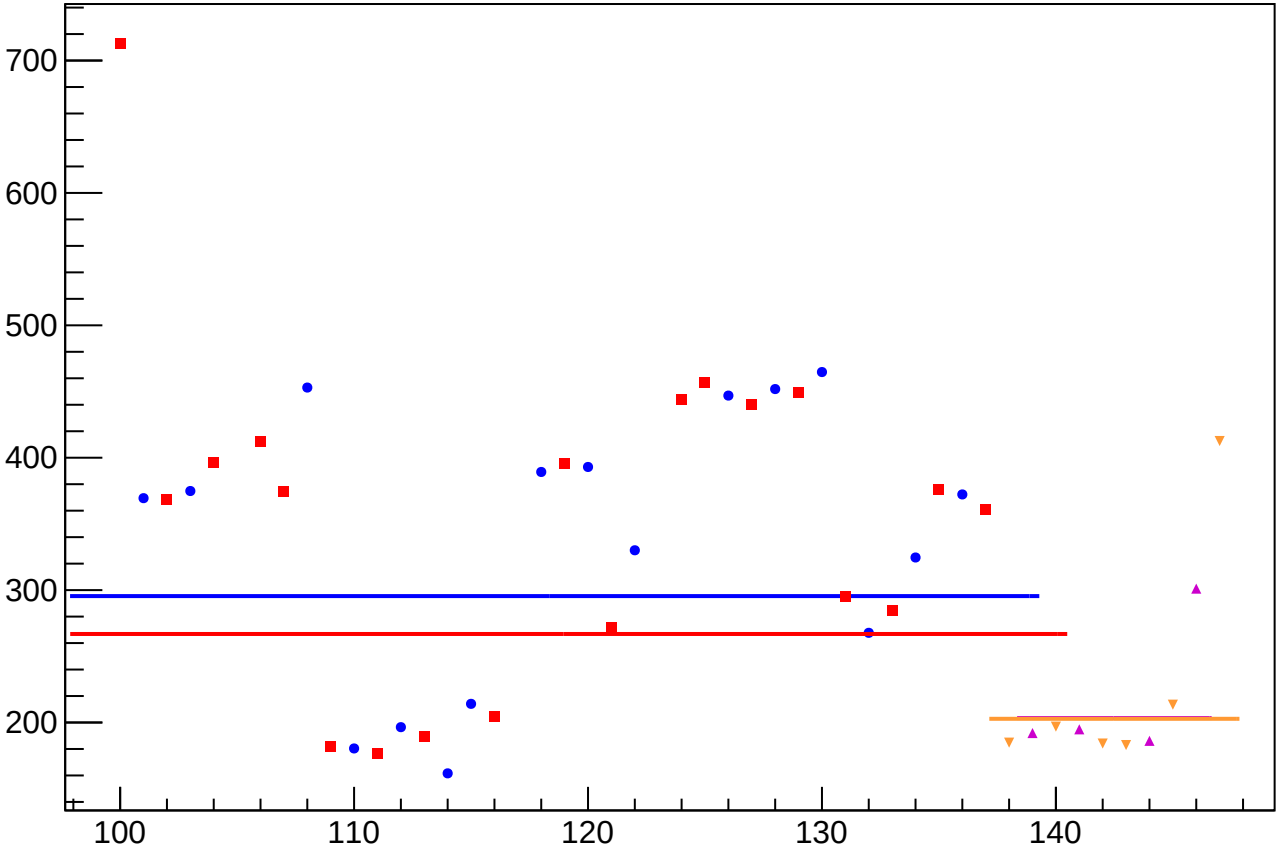
Left In: 133991.407+/-0.112 χ^2/NDF:47672305.7/3

+ sign 134739.135+/-0.077 χ^2/NDF: 343213452.8/2

All: 134881.038+/-0.054 χ^2/NDF: 64986460

- sign 135025.430+/-0.077 χ^2/NDF: 299723357.7/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 202.799+/-0.071 χ^2/NDF:473255.0/5

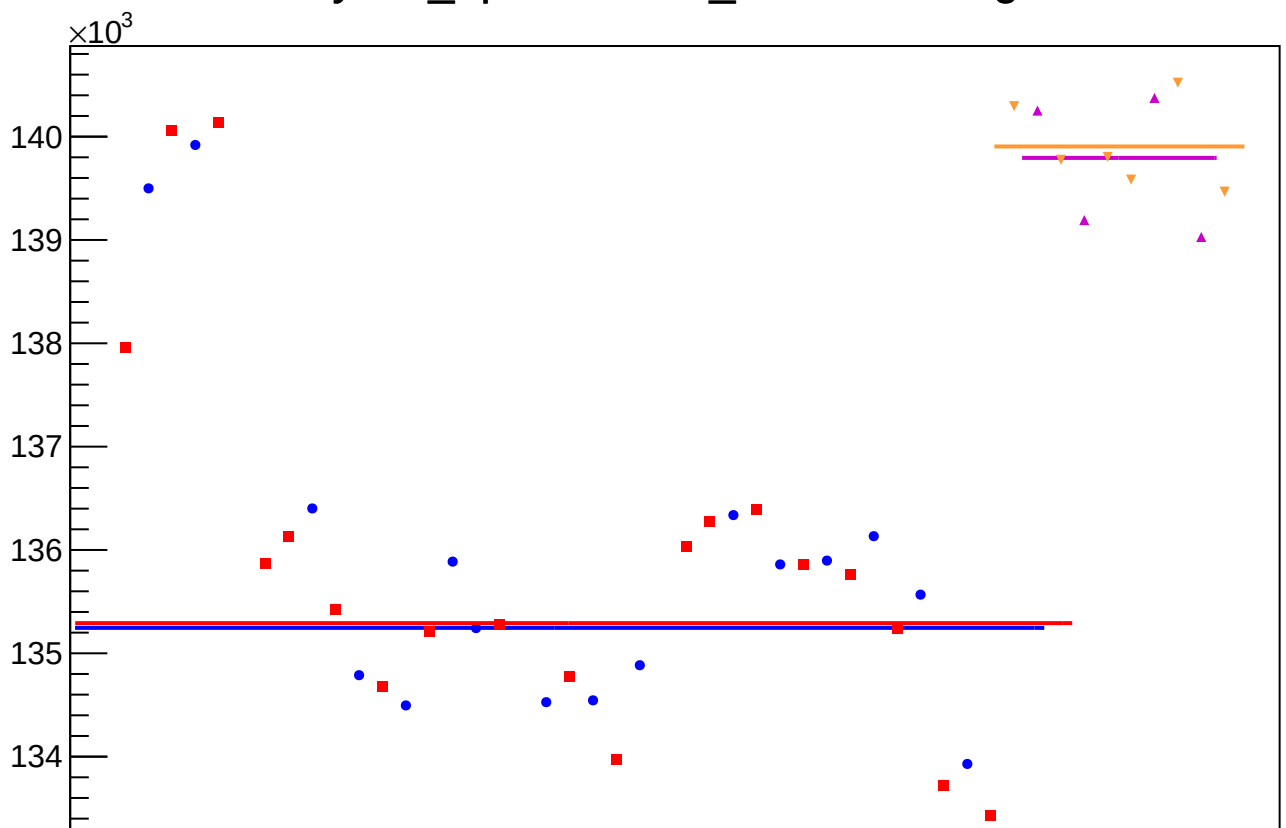
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 203.358+/-0.079 χ^2/NDF:196183.5/3

+ sign 241.600+/-0.054 χ^2/NDF: 2628804.7/21

All: 239.251+/-0.038 χ^2/NDF: 4843770.4/44

- sign 236.860+/-0.055 χ^2/NDF: 2211167.8/22



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139904.796+/-0.092 χ^2/NDF:15133198.0/5

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

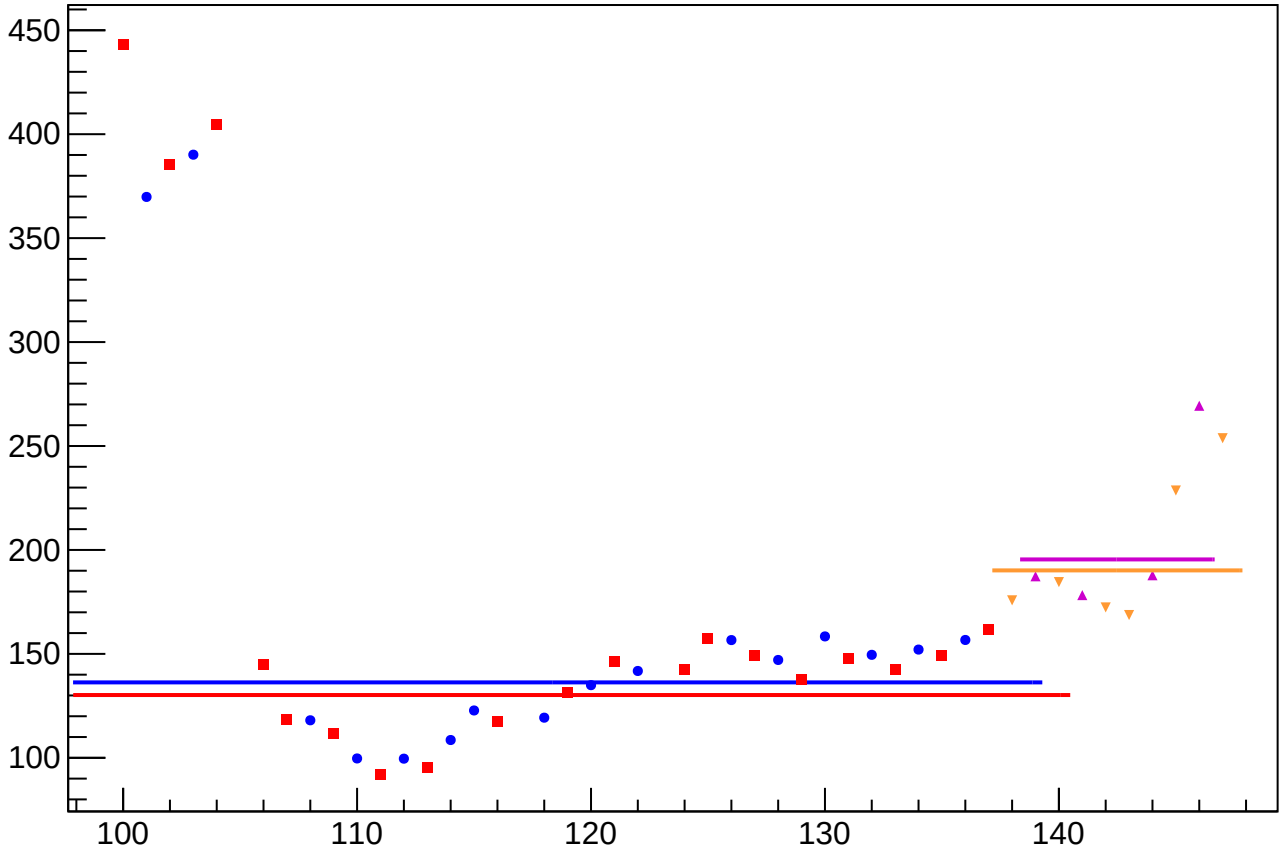
Left In: 139794.084+/-0.107 χ^2/NDF:30097232.2/3

+ sign 136458.986+/-0.047 χ^2/NDF: 2290150090.9

All: 136302.347+/-0.033 χ^2/NDF: 41649838

- sign 136149.014+/-0.047 χ^2/NDF: 1852912777.8/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.159+/-0.065 χ^2/NDF:188520.3/5

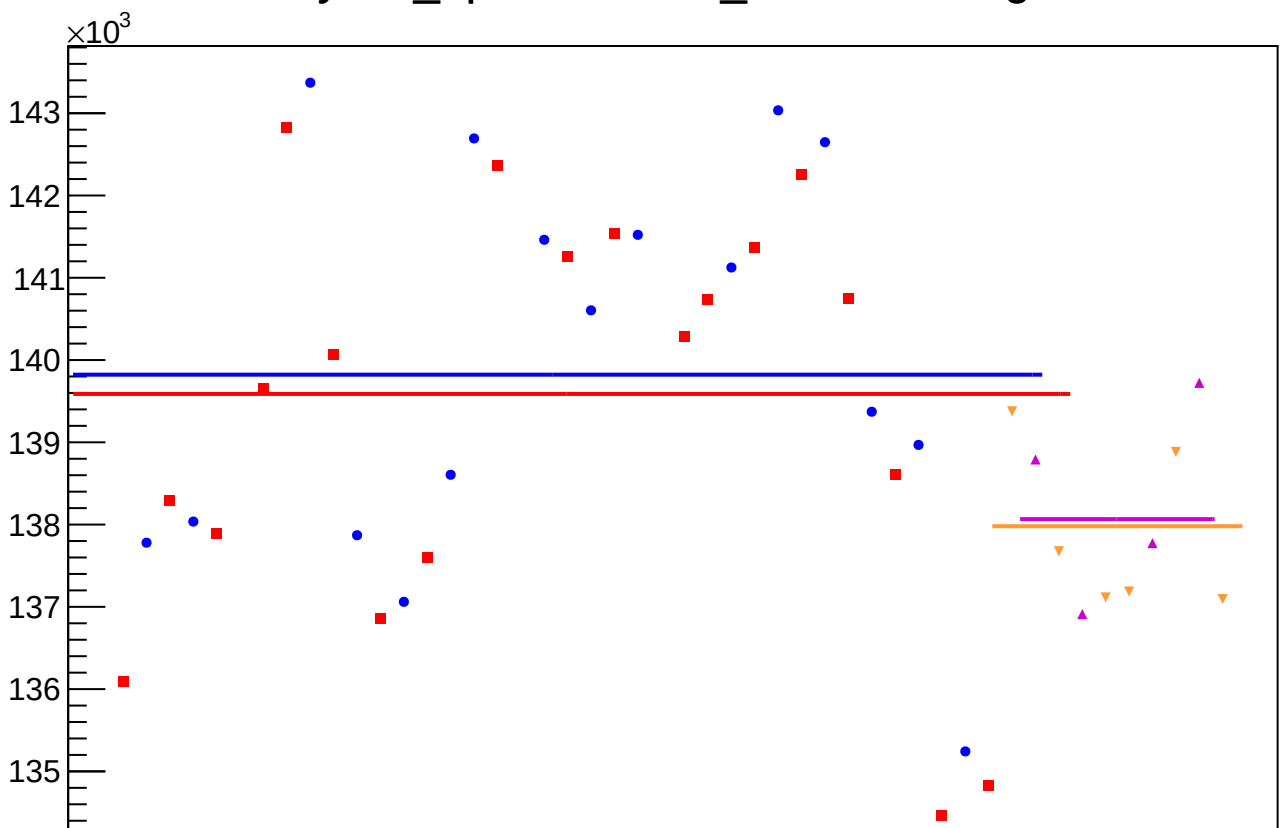
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 195.437+/-0.075 χ^2/NDF:148570.8/3

+ sign 150.310+/-0.033 χ^2/NDF: 2077215.2/21

All: 146.426+/-0.023 χ^2/NDF: 4378578.5/44

- sign 142.625+/-0.033 χ^2/NDF: 2274417.6/22



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137980.162+/-0.092 χ^2/NDF:102812870.4/5

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

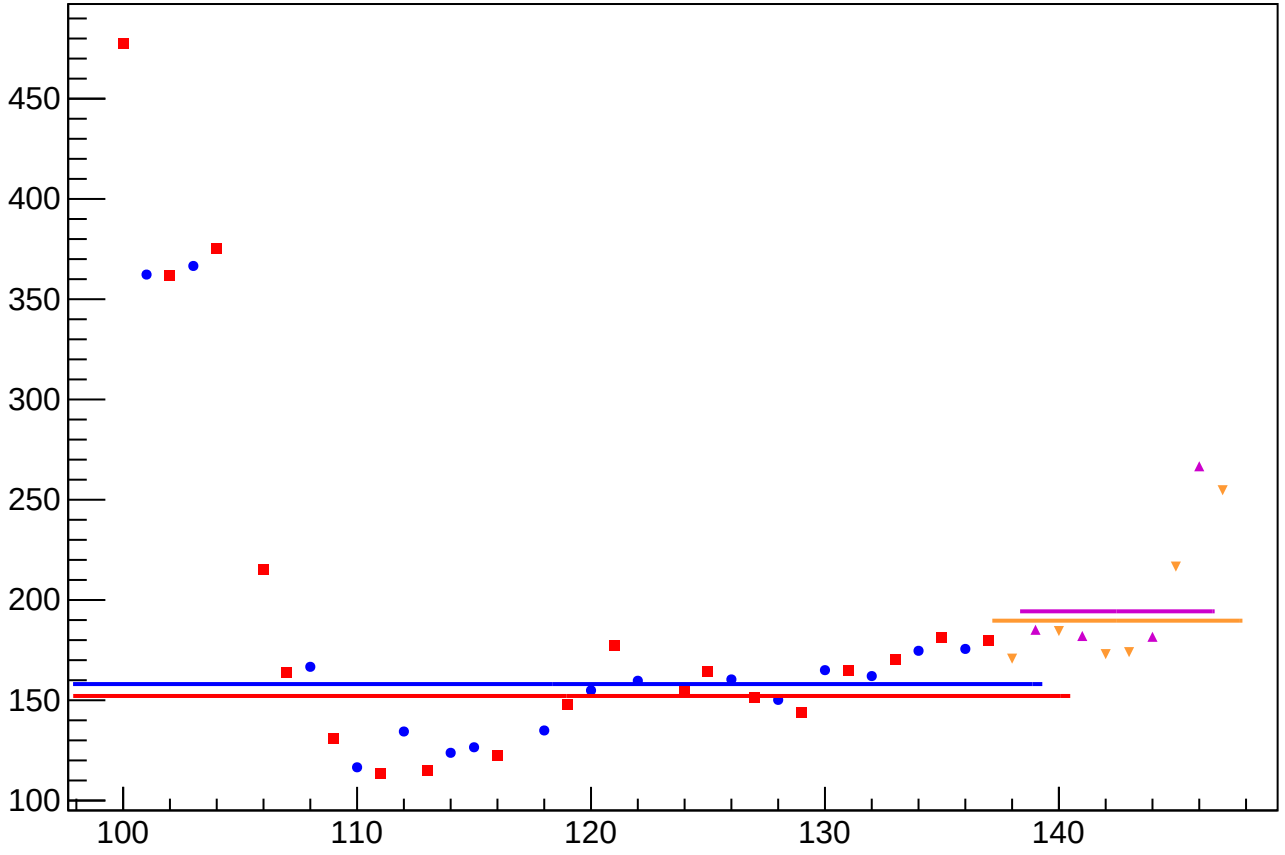
Left In: 138066.021+/-0.106 χ^2/NDF:83367923.5/3

+ sign 139238.023+/-0.052 χ^2/NDF: 2040814624.5

All: 139229.271+/-0.037 χ^2/NDF: 37639387

- sign 139220.419+/-0.052 χ^2/NDF: 1723066574.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 189.691+/-0.065 χ^2/NDF:169548.7/5

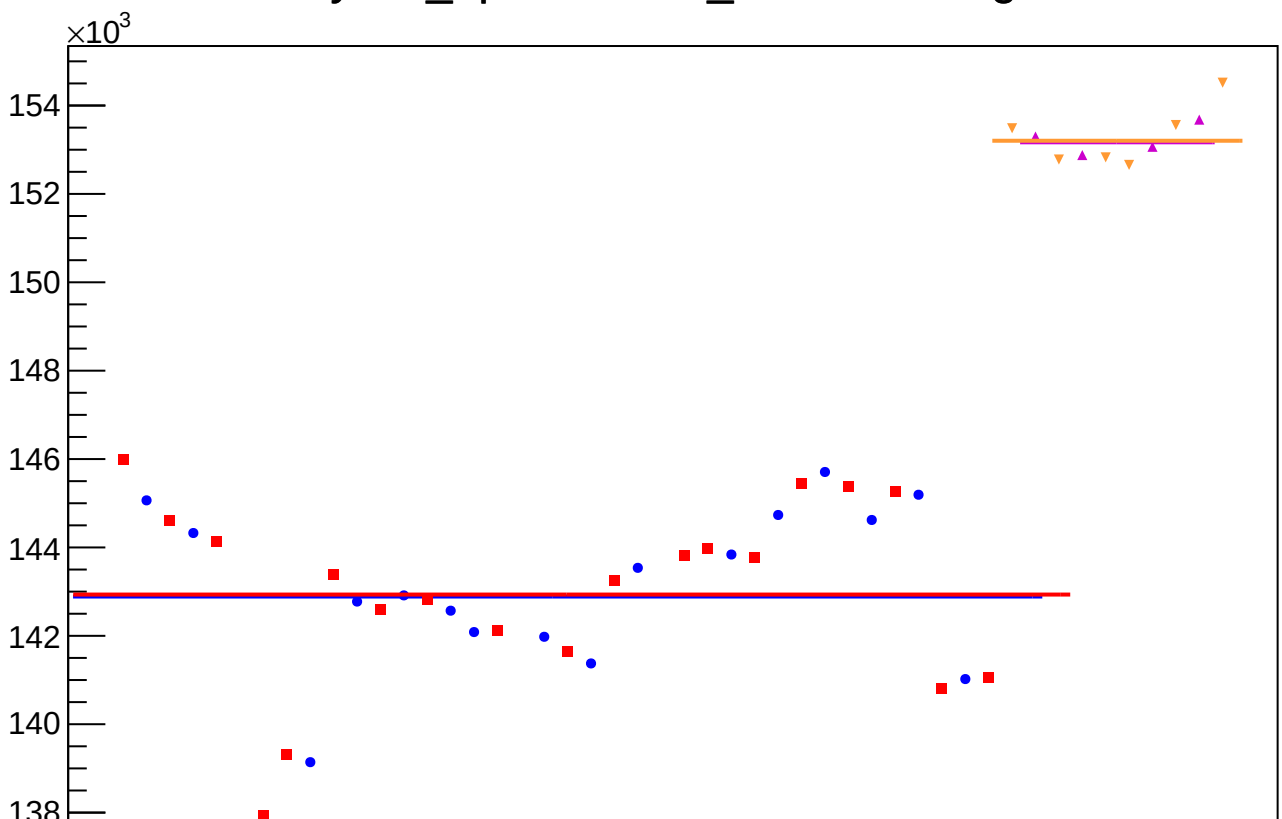
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 194.350+/-0.075 χ^2/NDF:148127.0/3

+ sign 168.104+/-0.037 χ^2/NDF: 1349251.9/21

All: 165.234+/-0.026 χ^2/NDF: 2980019.1/44

- sign 162.331+/-0.037 χ^2/NDF: 1618381.4/22



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153203.107+/-0.094 χ^2/NDF:38158571.6/5

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

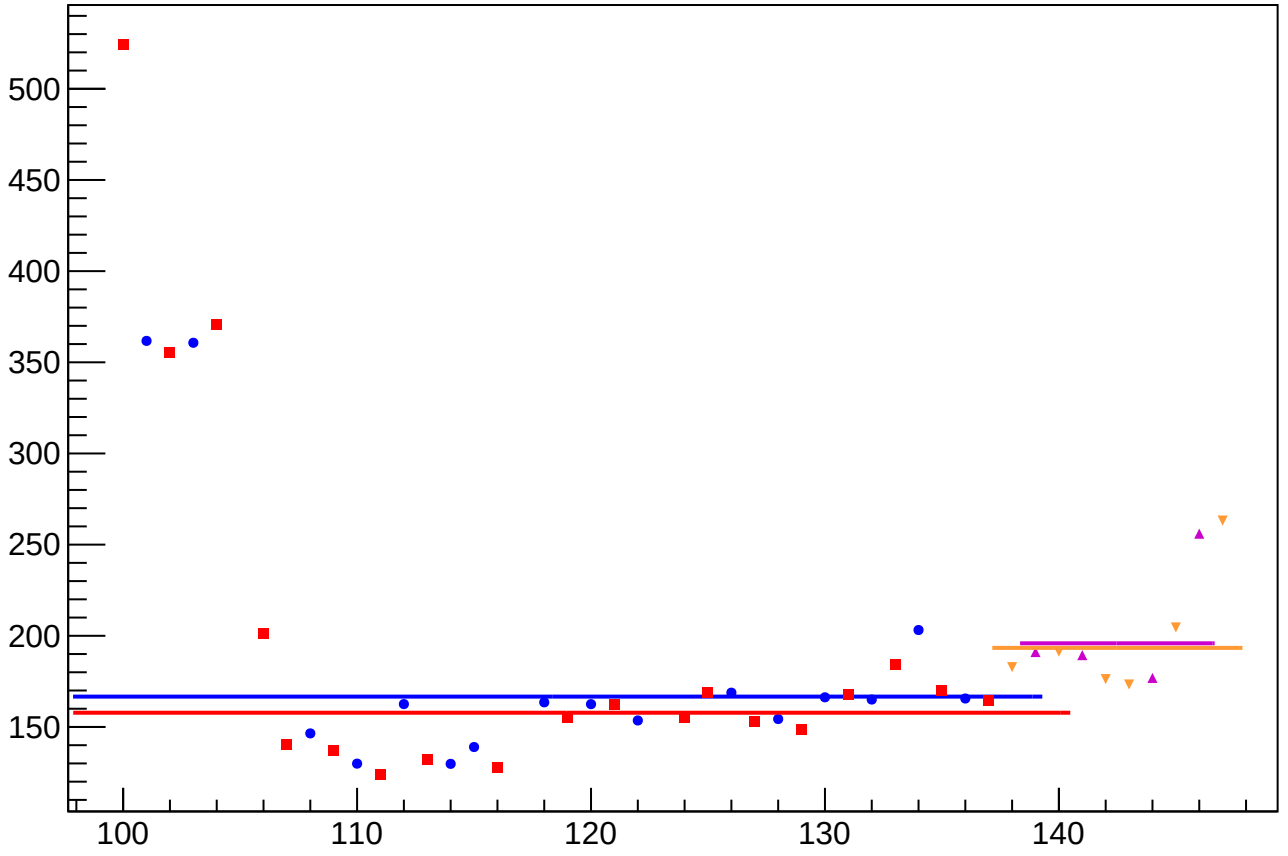
Left In: 153167.669+/-0.106 χ^2/NDF:6190955.4/3

+ sign 146296.000+/-0.054 χ^2/NDF: 8944923207.5

All: 145894.799+/-0.038 χ^2/NDF: 16786232

- sign 145500.888+/-0.053 χ^2/NDF: 7730906646.3/

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 193.378+/-0.066 χ^2/NDF:153876.7/5

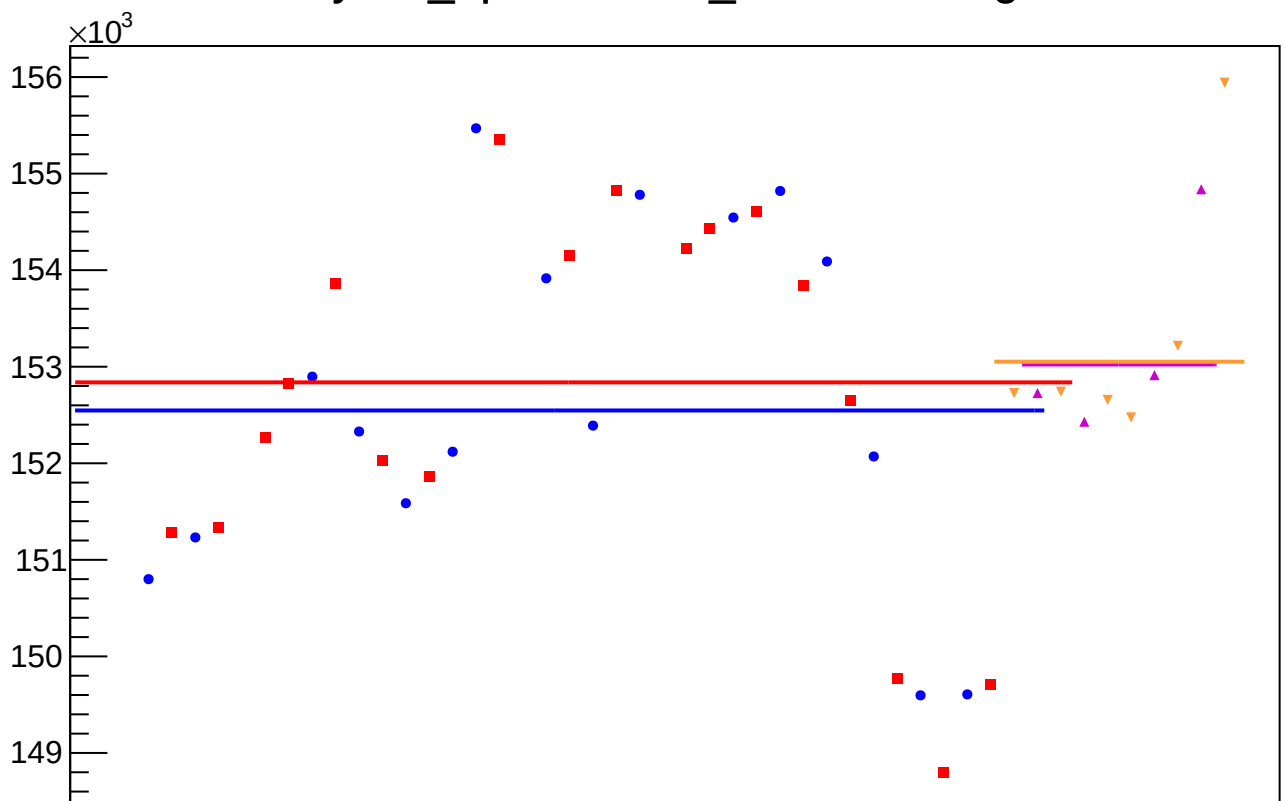
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 195.880+/-0.075 χ^2/NDF:119476.4/3

+ sign 175.483+/-0.038 χ^2/NDF: 1126783.8/21

All: 171.383+/-0.027 χ^2/NDF: 2483658.2/44

- sign 167.358+/-0.038 χ^2/NDF: 1333821.9/22



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

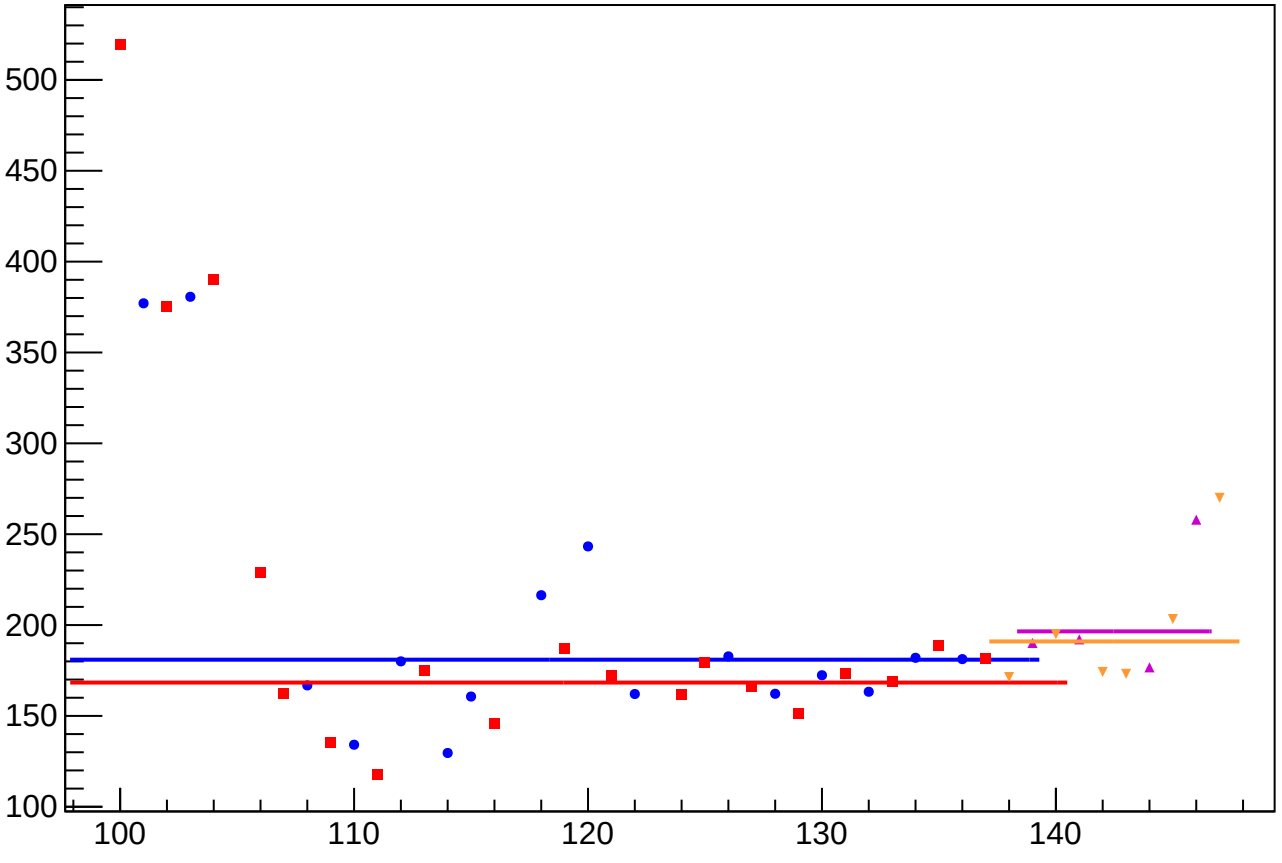
Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

+ sign 152740.047+/-0.057 χ^2/NDF: 783121196.6/2

All: 152815.734+/-0.040 χ^2/NDF: 15797294

- sign 152889.941+/-0.057 χ^2/NDF: 793124440.0/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

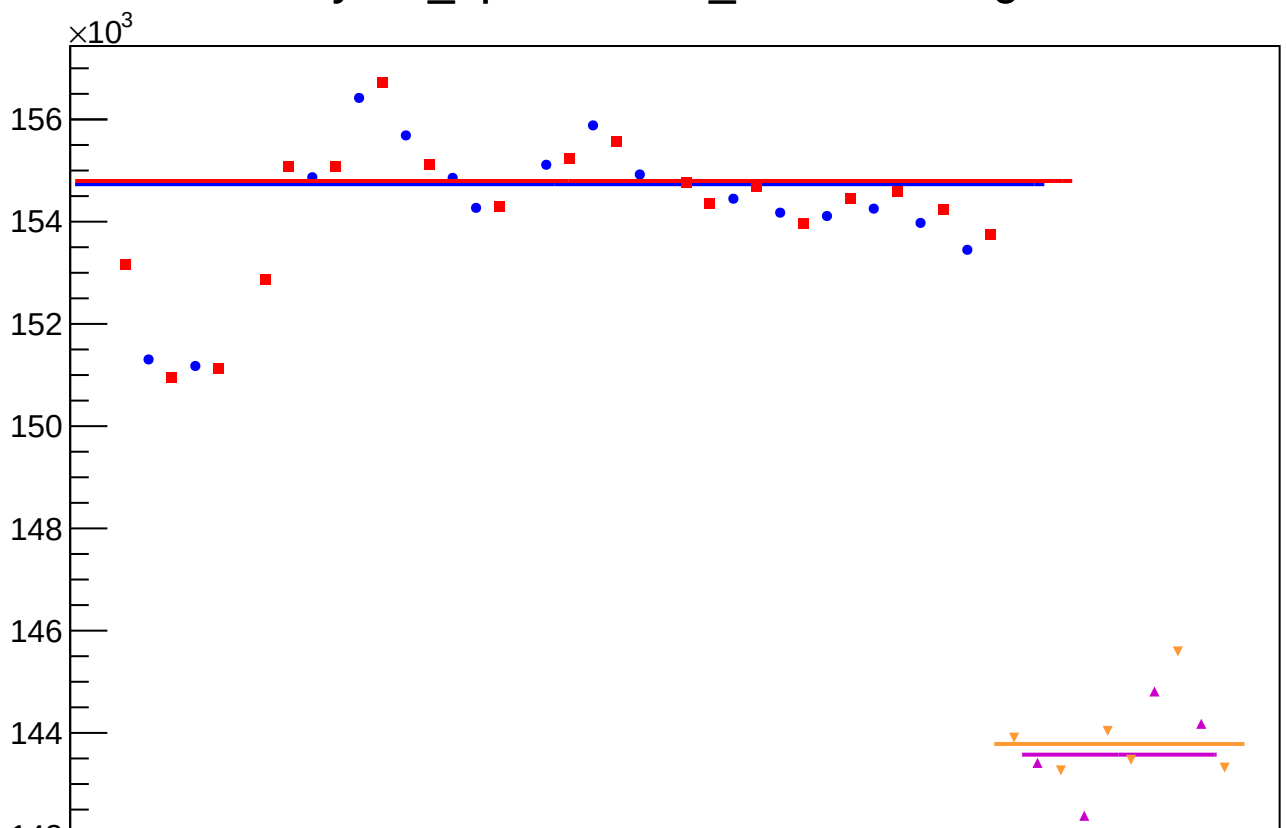
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

+ sign 184.781+/-0.040 χ^2/NDF: 1113623.3/21

All: 180.487+/-0.028 χ^2/NDF: 2450159.3/44

- sign 176.277+/-0.040 χ^2/NDF: 1314110.6/22



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143783.358+/-0.086 χ^2/NDF:68633561.4/5

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

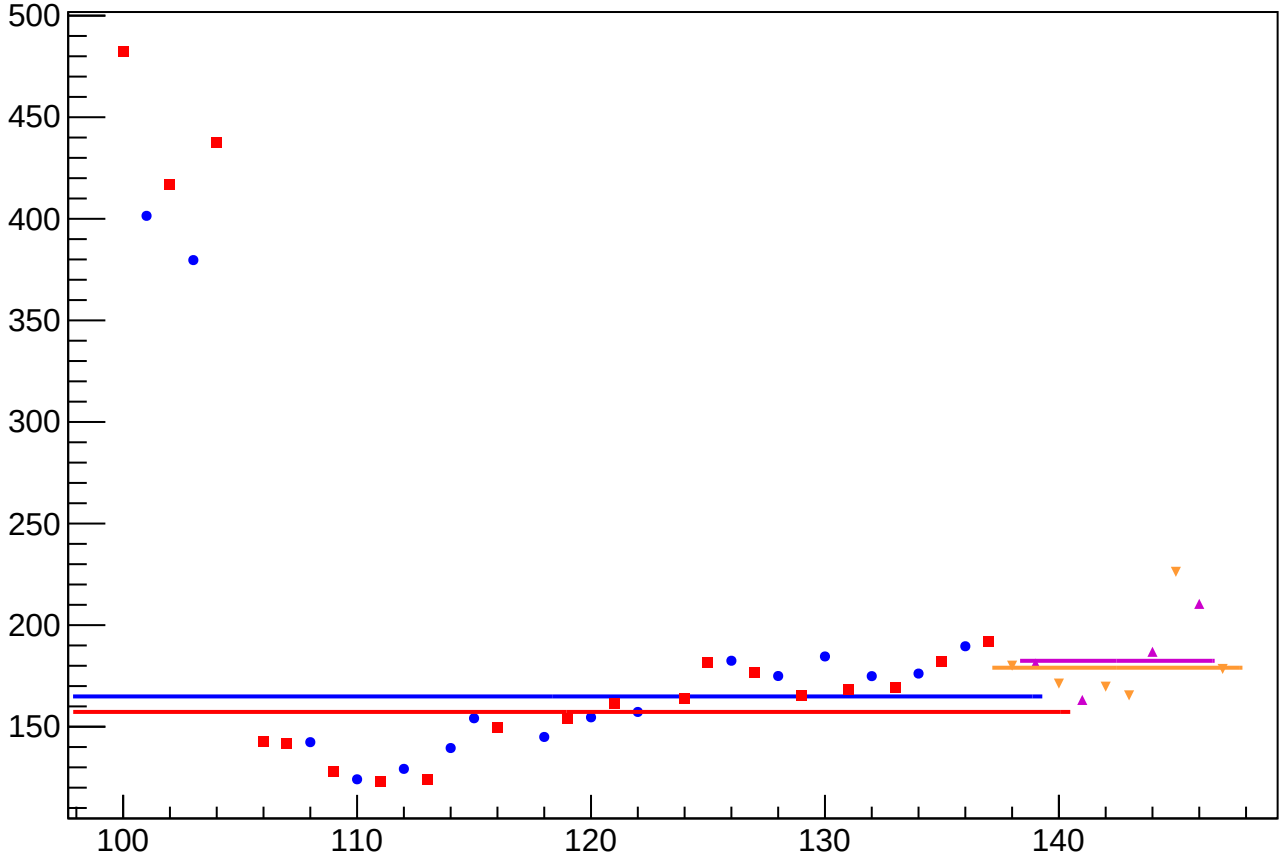
Left In: 143574.410+/-0.098 χ^2/NDF:93672513.6/3

+ sign 150710.905+/-0.052 χ^2/NDF: 10705105014.

All: 151190.531+/-0.037 χ^2/NDF: 20679665

- sign 151670.375+/-0.052 χ^2/NDF: 9803429553.1/

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.042+/-0.061 χ^2/NDF:86983.9/5

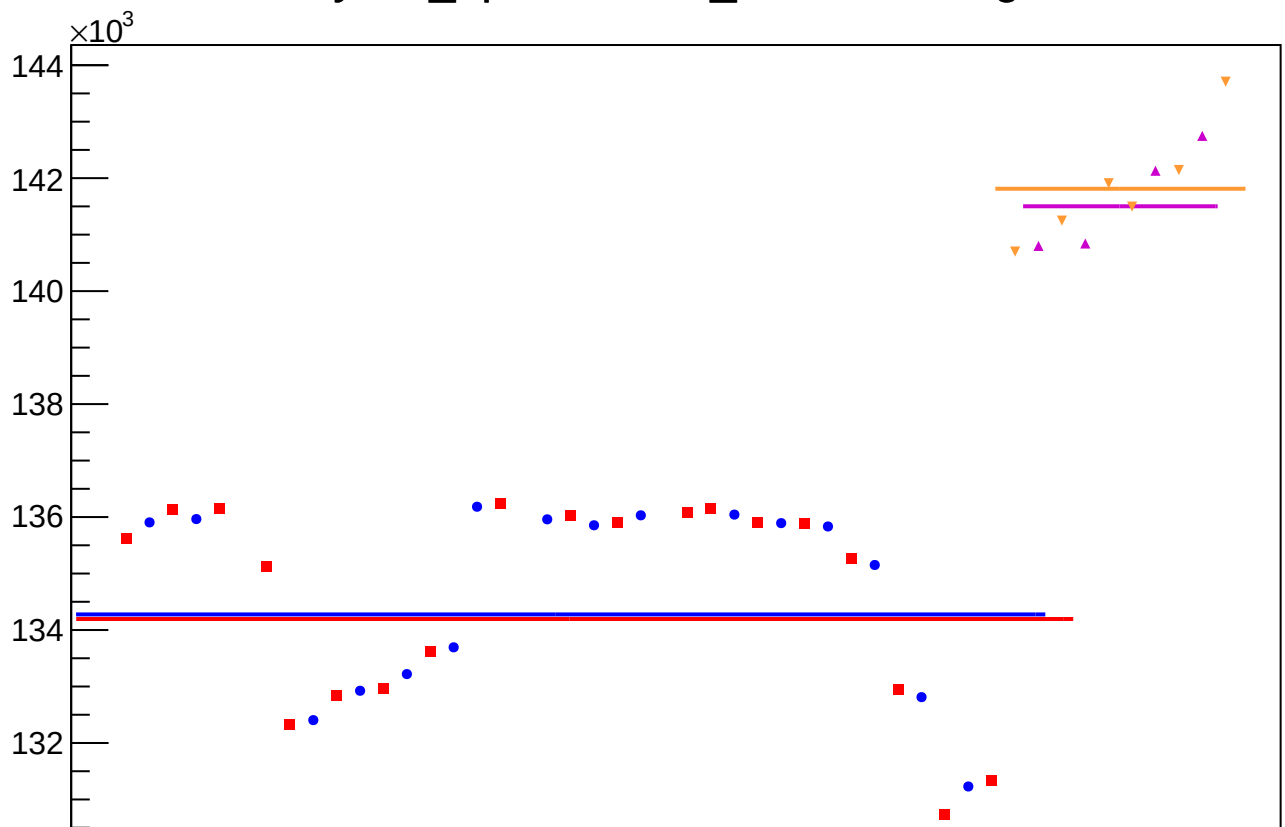
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 182.444+/-0.069 χ^2/NDF:56431.0/3

+ sign 170.099+/-0.037 χ^2/NDF: 1194254.3/21

All: 167.196+/-0.026 χ^2/NDF: 2612634.6/44

- sign 164.291+/-0.037 χ^2/NDF: 1405839.2/22



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141812.413+/-0.084 χ^2/NDF:134254382.8/5

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

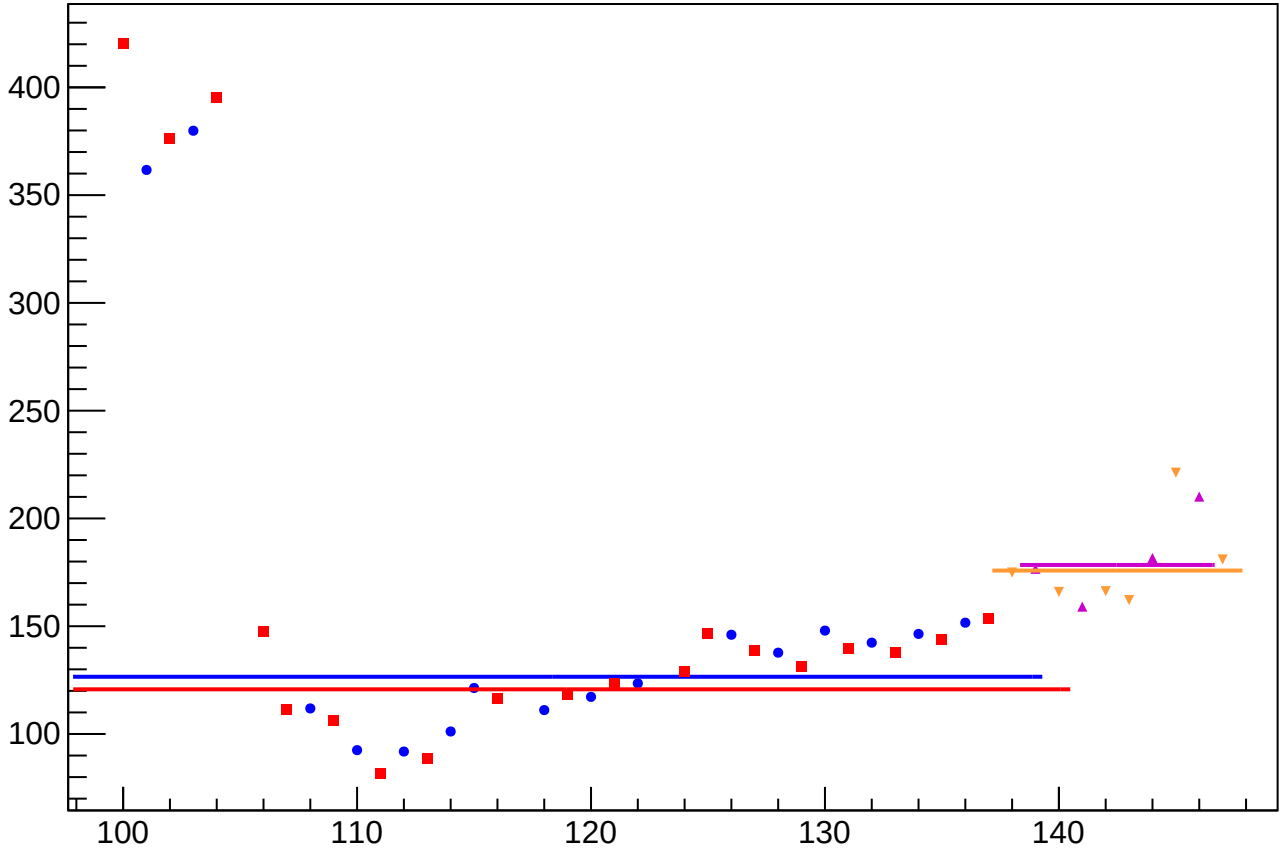
Left In: 141501.796+/-0.096 χ^2/NDF:69451976.0/3

+ sign 136290.841+/-0.044 χ^2/NDF: 7154976053.8

All: 135965.469+/-0.031 χ^2/NDF: 13153917

- sign 135648.496+/-0.043 χ^2/NDF: 5888511788.0/

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.824+/-0.059 χ^2/NDF:89101.3/5

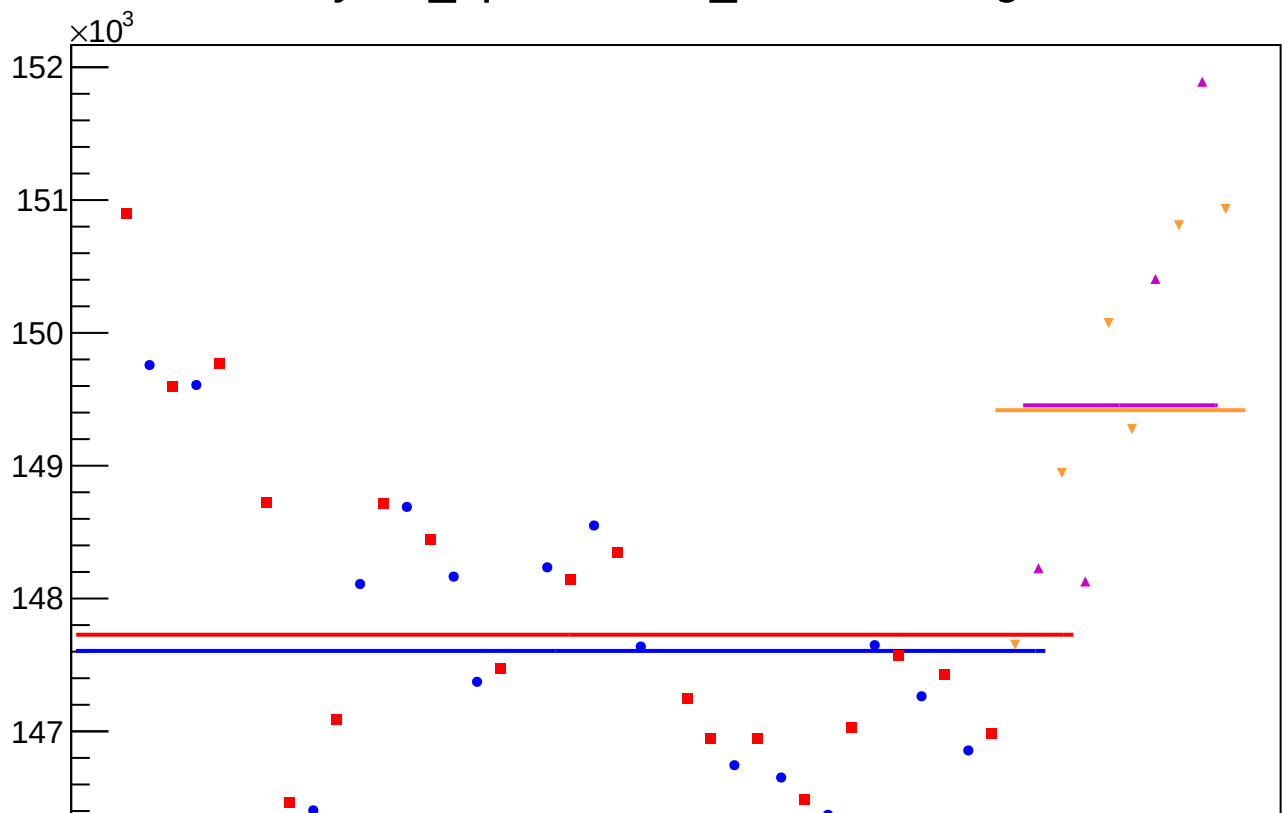
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.421+/-0.068 χ^2/NDF:66178.2/3

+ sign 139.724+/-0.031 χ^2/NDF: 2069055.9/21

All: 135.912+/-0.022 χ^2/NDF: 4373647.5/44

- sign 132.199+/-0.030 χ^2/NDF: 2274283.7/22



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 149417.899+/-0.102 χ^2/NDF:121435277.0/5

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

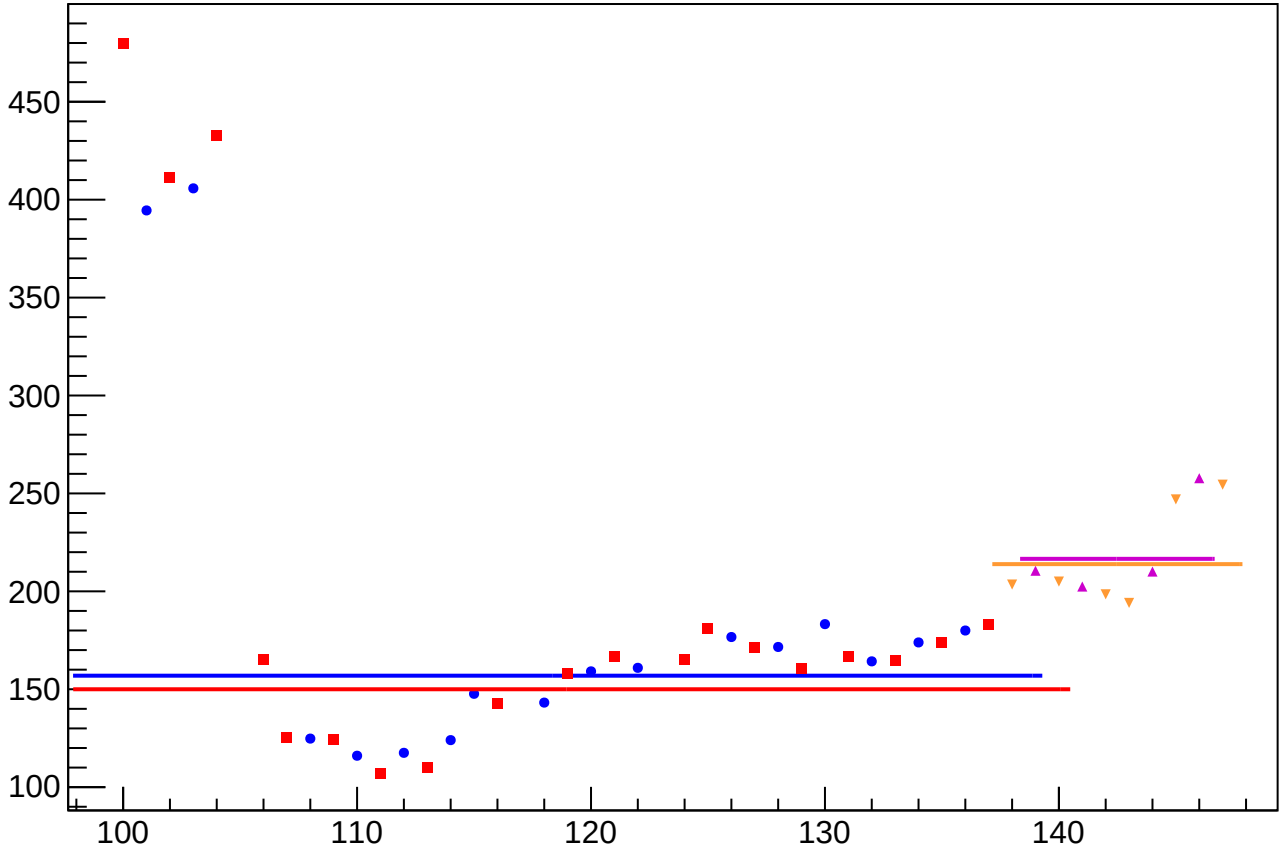
Left In: 149454.490+/-0.117 χ^2/NDF:162924875.4/3

+ sign 148097.884+/-0.053 χ^2/NDF: 550530081.7/2

All: 148088.352+/-0.037 χ^2/NDF: 10830848

- sign 148079.078+/-0.053 χ^2/NDF: 532491715.4/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.891+/-0.072 χ^2/NDF:99296.3/5

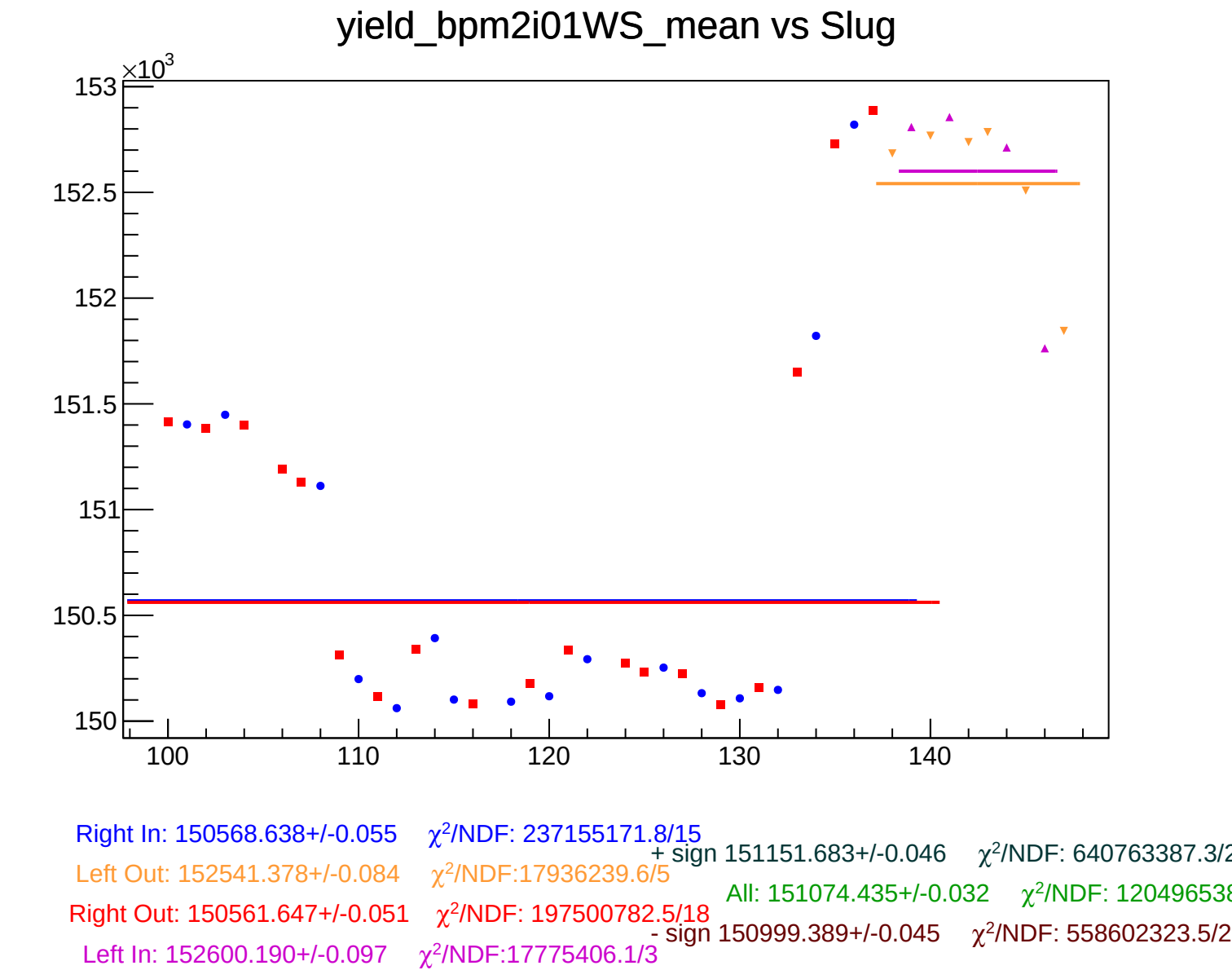
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 216.597+/-0.082 χ^2/NDF:56646.7/3

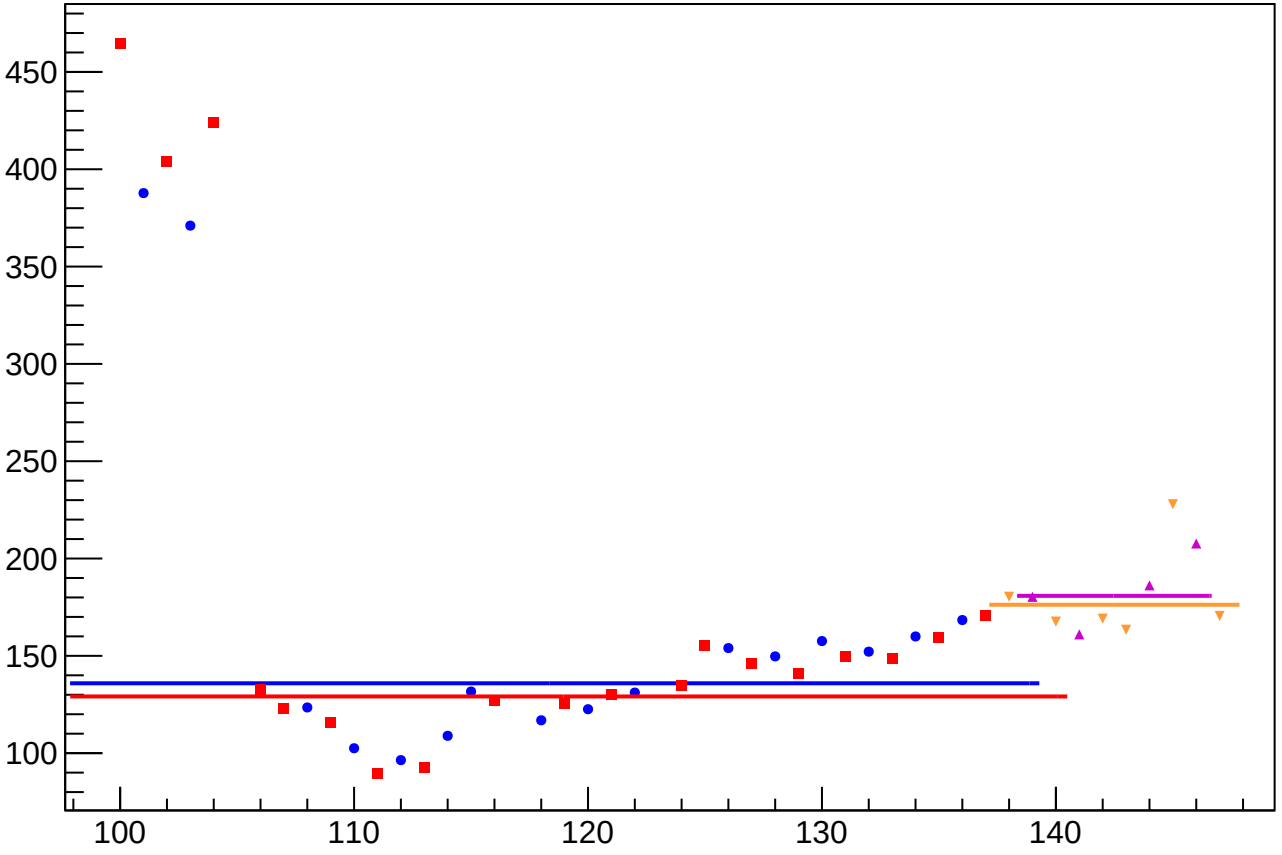
+ sign 172.400+/-0.038 χ^2/NDF: 1816728.8/21

All: 167.915+/-0.026 χ^2/NDF: 3875164.3/44

- sign 163.550+/-0.037 χ^2/NDF: 2030504.9/22


yield_bpm2i01WS_mean vs Slug
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152541.378+/-0.084 χ²/NDF:17936239.6/5
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152600.190+/-0.097 χ²/NDF:17775406.1/3
+ sign 151151.683+/-0.046 χ²/NDF: 640763387.3/2
All: 151074.435+/-0.032 χ²/NDF: 12049653
- sign 150999.389+/-0.045 χ²/NDF: 558602323.5/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

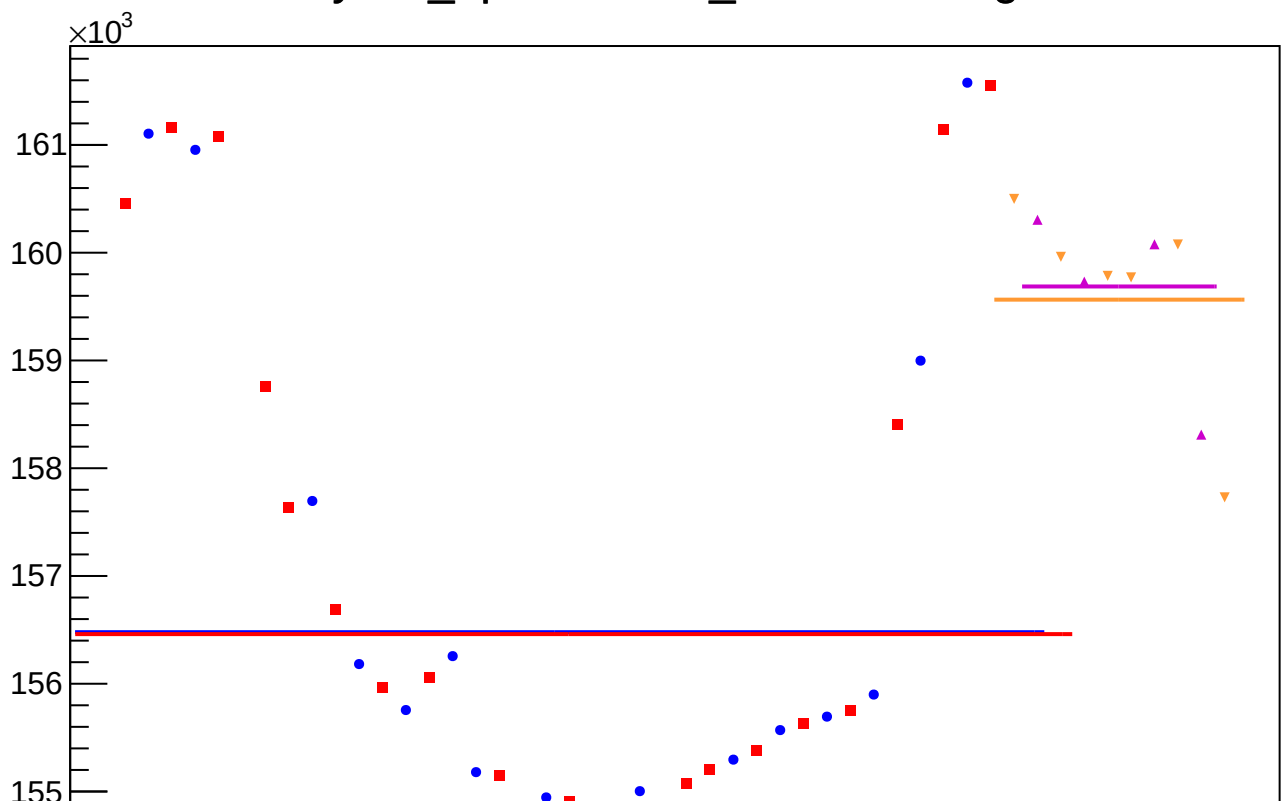
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

+ sign 147.821+/-0.032 χ^2/NDF: 1840121.5/21

All: 143.971+/-0.023 χ^2/NDF: 3980863.4/44

- sign 140.231+/-0.032 χ^2/NDF: 2112925.2/22



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 159564.374+/-0.088 χ^2/NDF:115957725.2/5

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

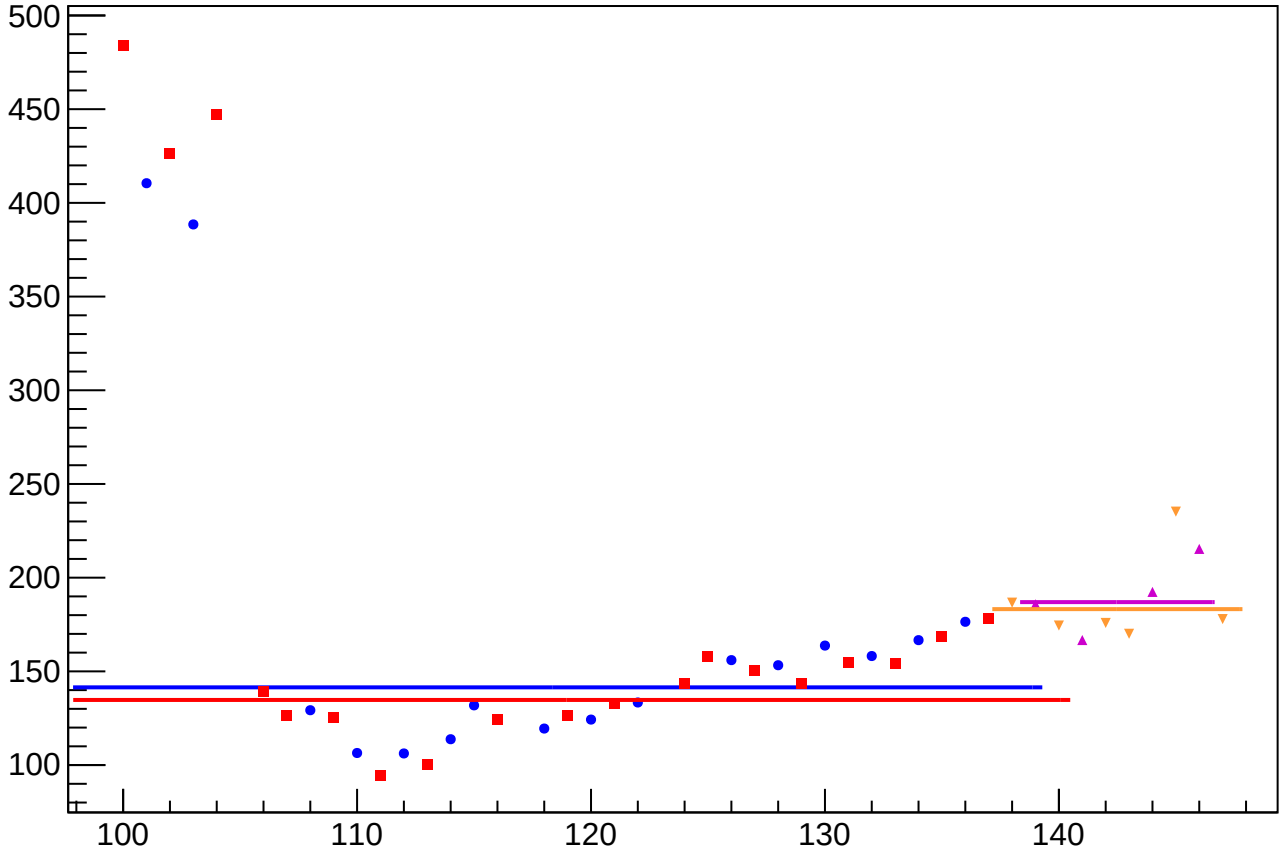
Left In: 159686.634+/-0.101 χ^2/NDF:48516455.6/3

+ sign 157392.372+/-0.048 χ^2/NDF: 2279311985.1

All: 157275.620+/-0.033 χ^2/NDF: 42421006

- sign 157162.115+/-0.047 χ^2/NDF: 1950955340.0/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.213+/-0.062 χ^2/NDF:96000.7/5

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

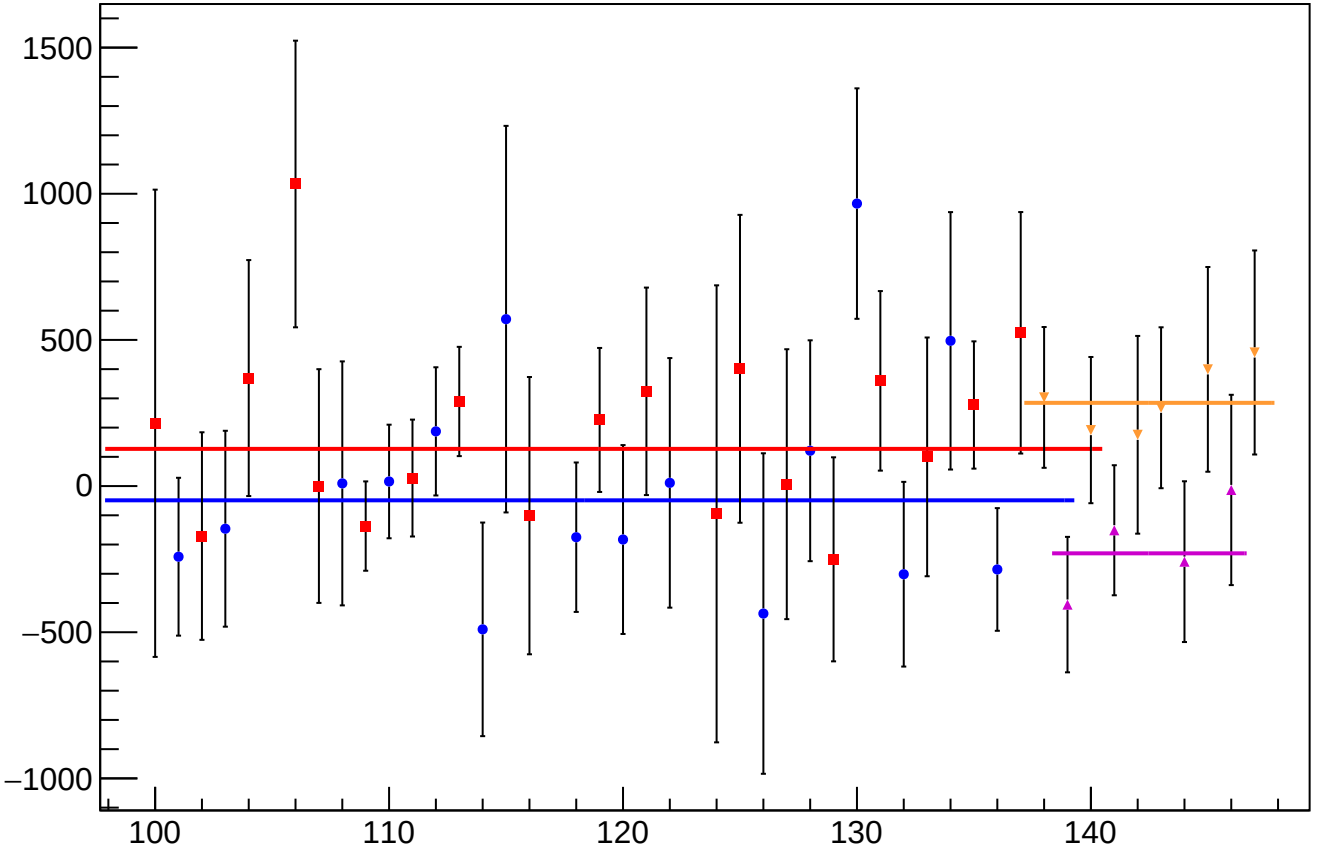
Left In: 186.955+/-0.071 χ^2/NDF:57532.7/3

+ sign 153.834+/-0.034 χ^2/NDF: 1807714.9/21

All: 149.912+/-0.024 χ^2/NDF: 3891034.9/44

- sign 146.099+/-0.033 χ^2/NDF: 2056617.1/22

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

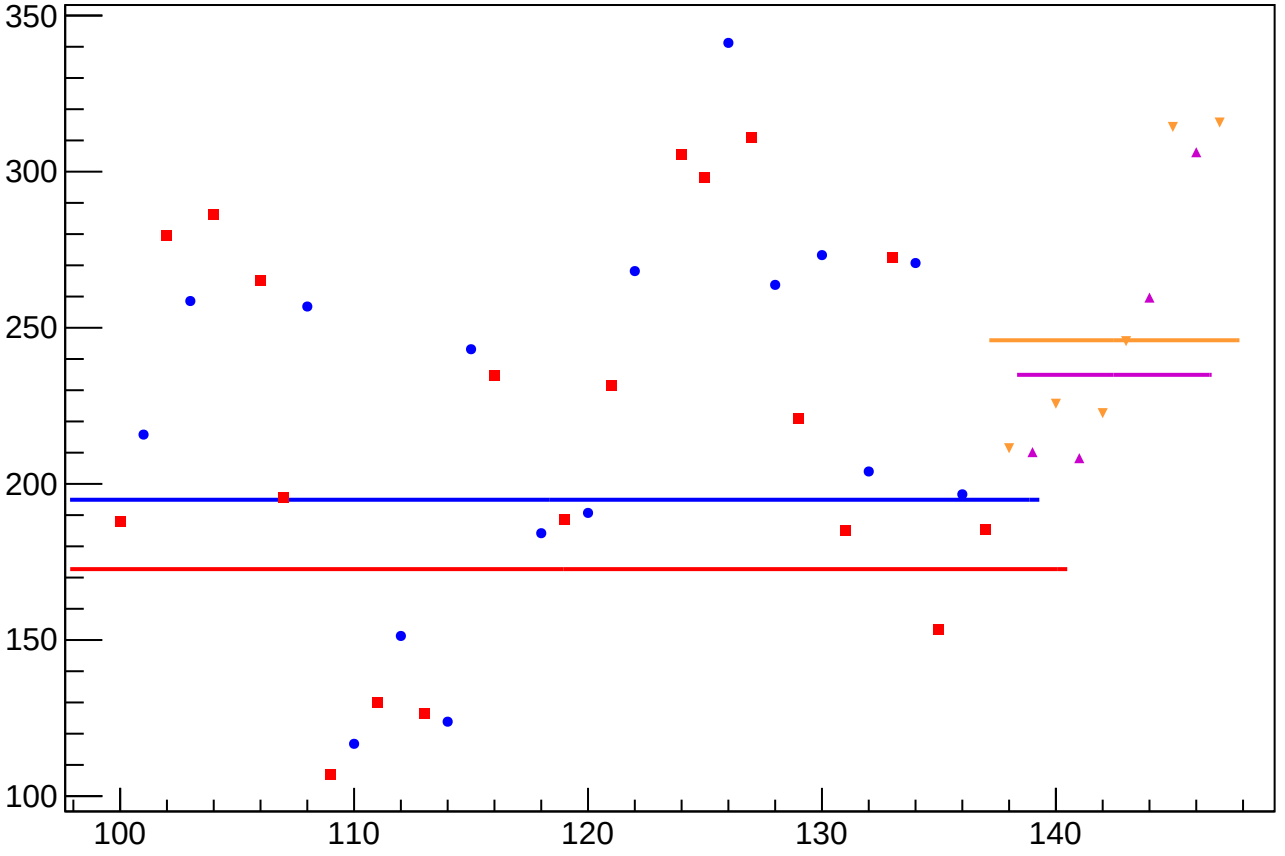
Left In: -230.108+/-127.526 χ^2/NDF:1.2/3

+ sign 49.824+/-64.283 χ^2/NDF: 21.6/21

All: 48.439+/-43.999 χ^2/NDF: 41.7/44

- sign 47.219+/-60.350 χ^2/NDF: 20.1/22

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

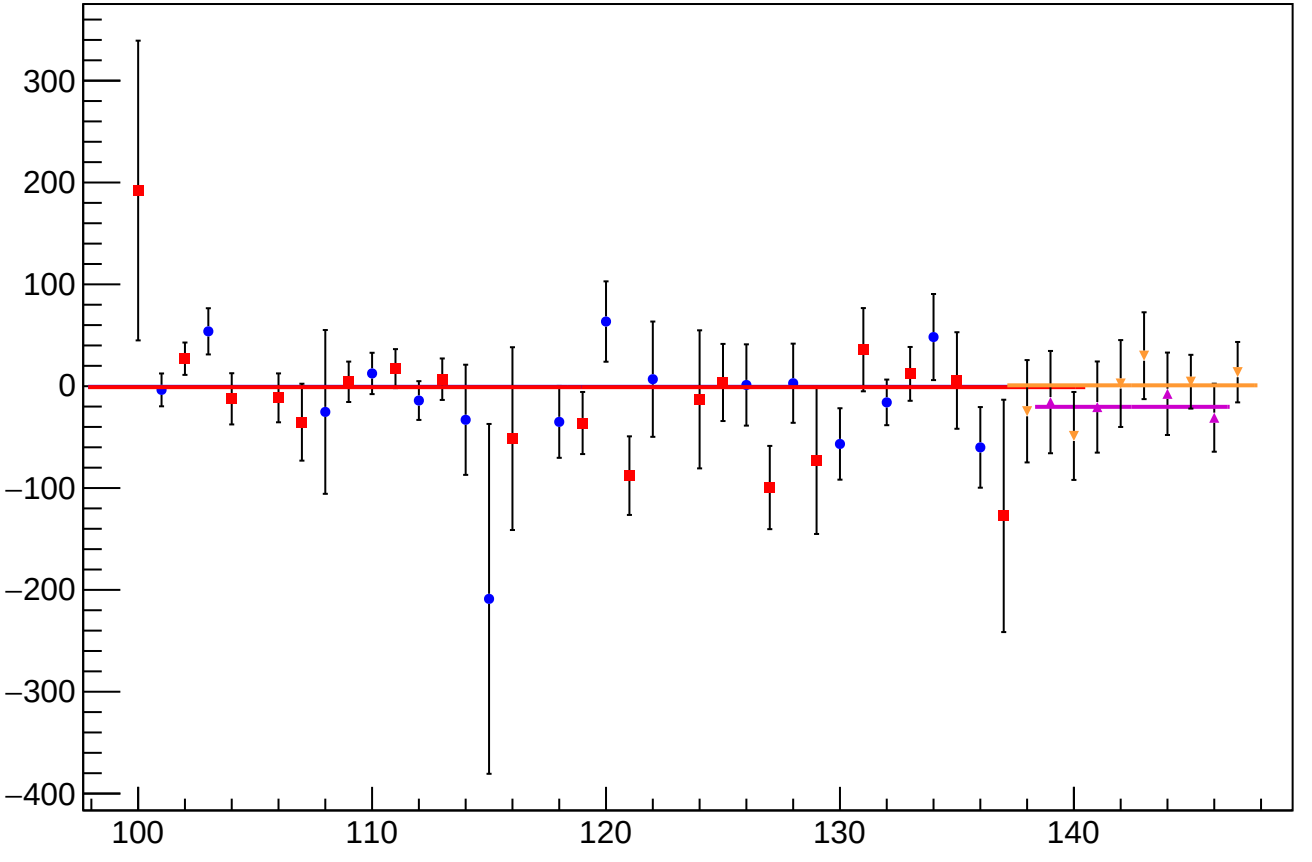
Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

+ sign 210.020+/-0.045 χ^2/NDF: 1511733.3/21

All: 197.593+/-0.031 χ^2/NDF: 3816986.7/44

- sign 186.639+/-0.043 χ^2/NDF: 2164623.1/22

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 0.856+/-14.739 χ^2/NDF:2.3/5

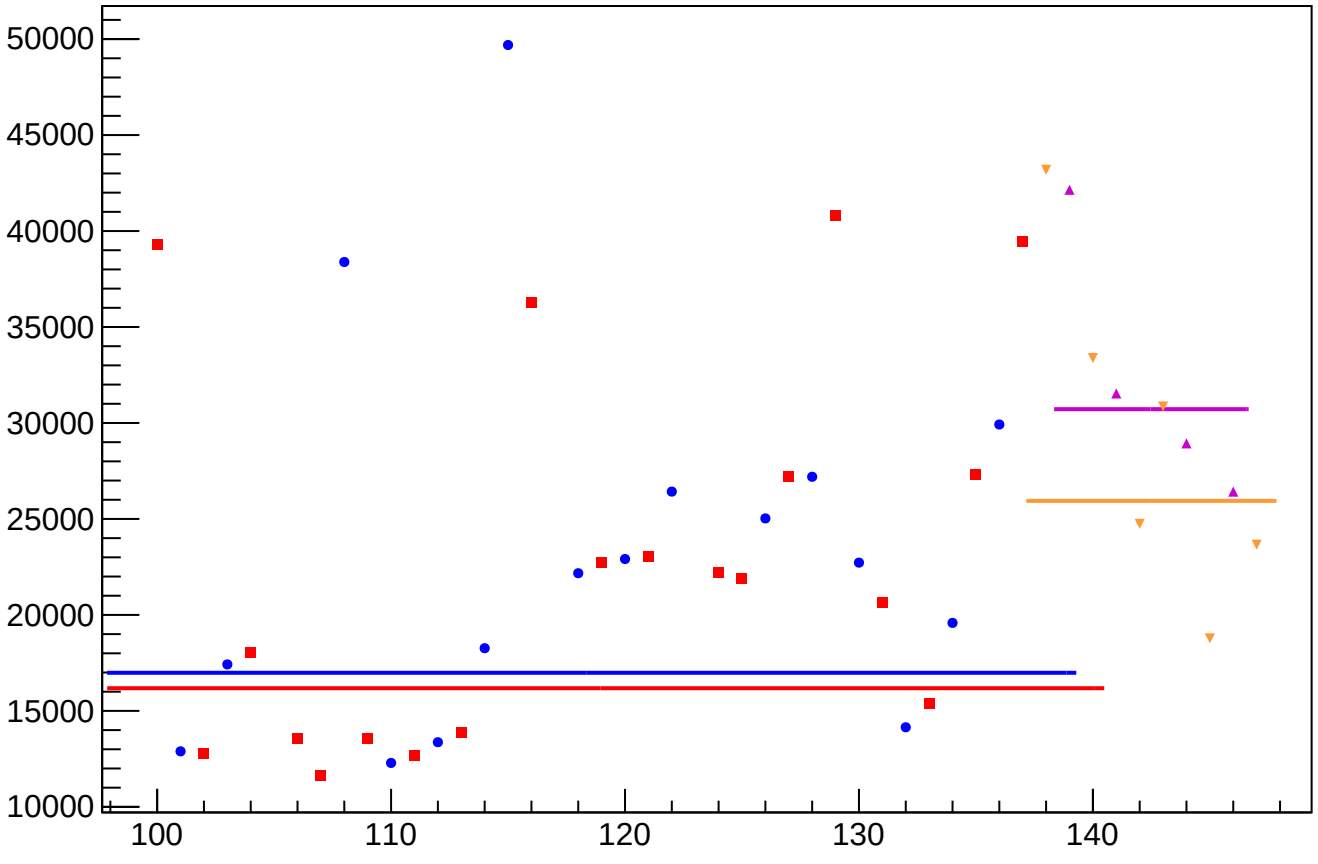
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -20.264+/-20.403 χ^2/NDF:0.2/3

+ sign -0.330+/-6.571 χ^2/NDF: 21.1/21

All: -1.620+/-4.593 χ^2/NDF: 45.3/44

- sign -2.853+/-6.423 χ^2/NDF: 24.1/22



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25941.881+/-10.422 χ^2/NDF:482300.2/5

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

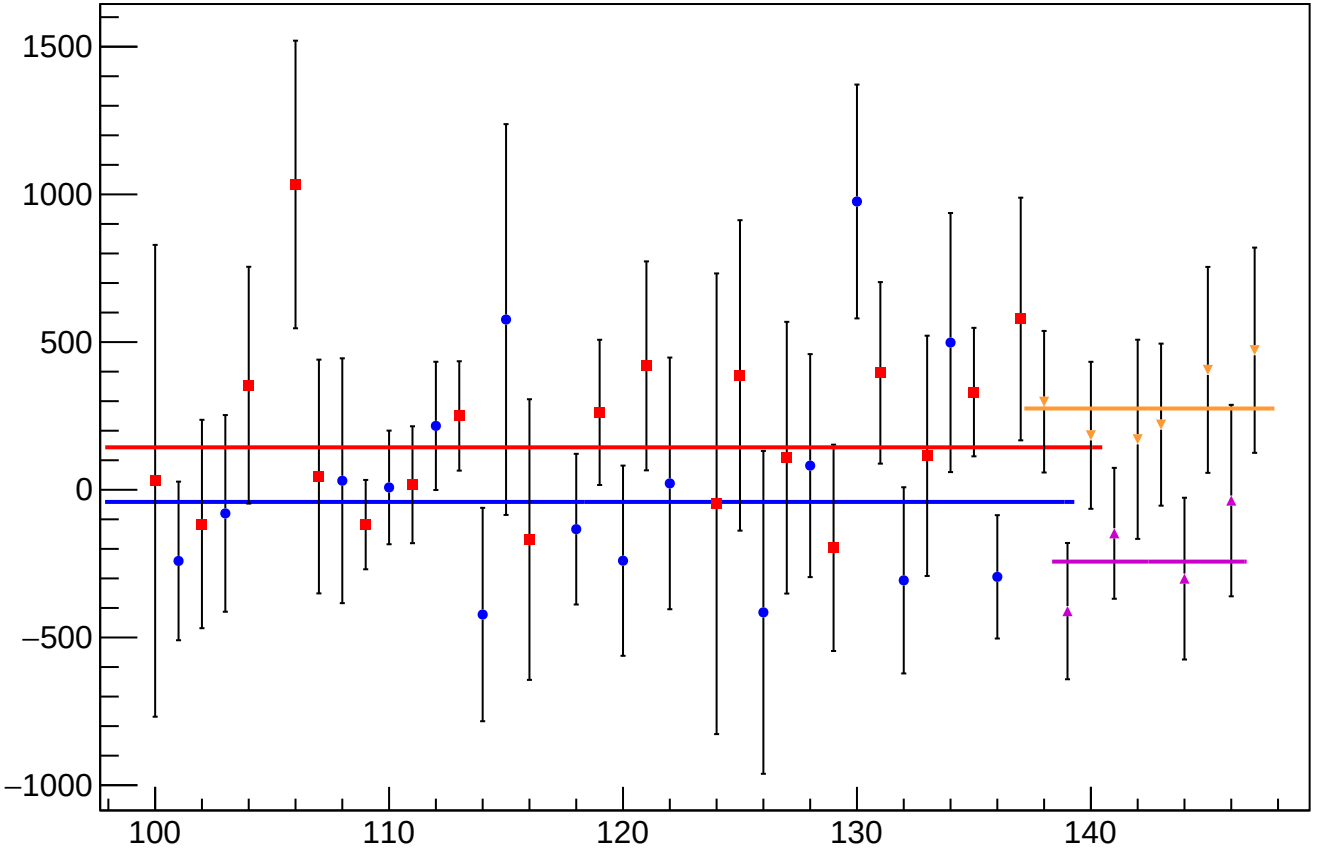
Left In: 30719.973+/-14.427 χ^2/NDF:141205.5/3

+ sign 18766.052+/-4.646 χ^2/NDF: 2267996.1/21

All: 18181.371+/-3.248 χ^2/NDF: 4606466.0/4

- sign 17622.666+/-4.542 χ^2/NDF: 2307500.5/22

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 275.208+/-117.707 χ^2/NDF:0.7/5

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

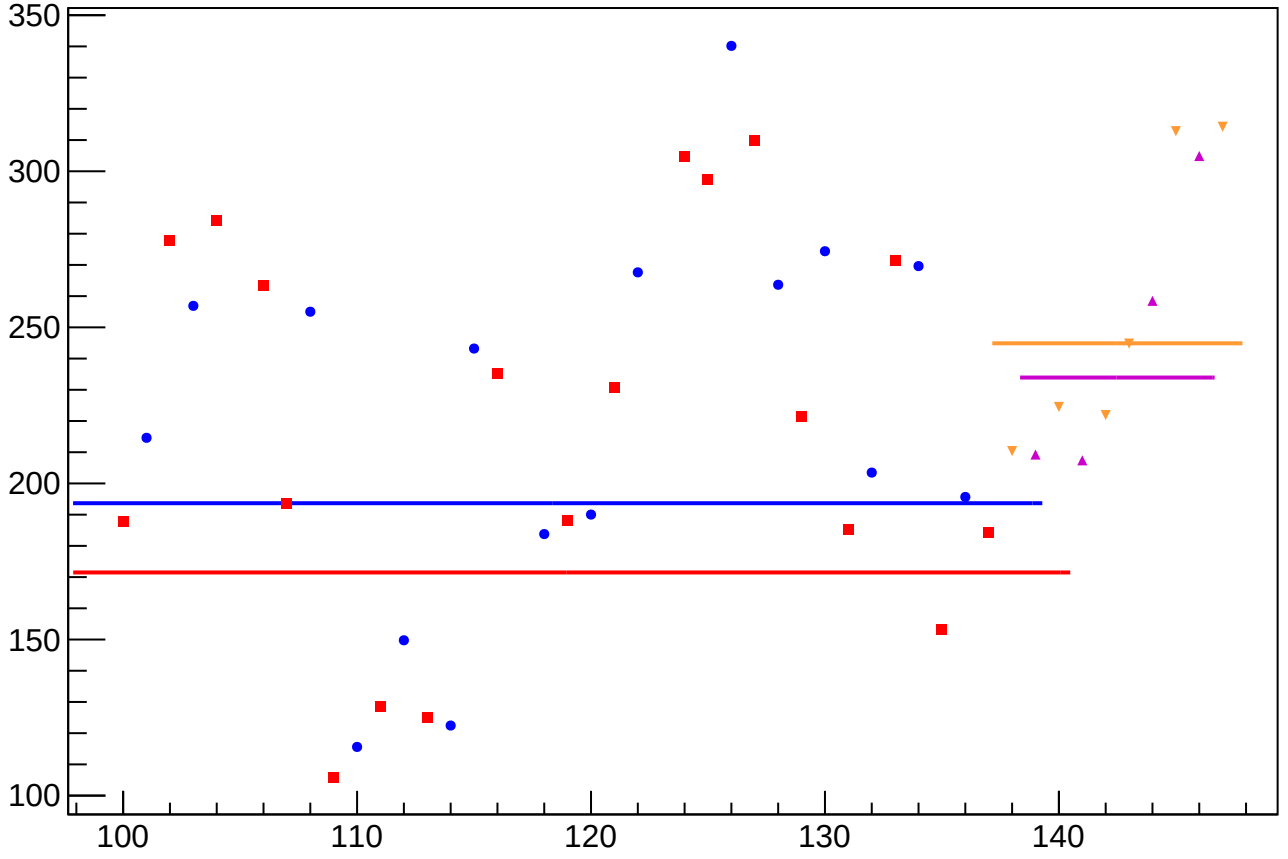
Left In: -243.101+/-126.980 χ^2/NDF:1.2/3

+ sign 52.275+/-63.940 χ^2/NDF: 21.3/21

All: 55.017+/-43.753 χ^2/NDF: 42.7/44

- sign 57.431+/-60.000 χ^2/NDF: 21.4/22

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 244.891+/-0.083 χ^2/NDF:220005.7/5

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

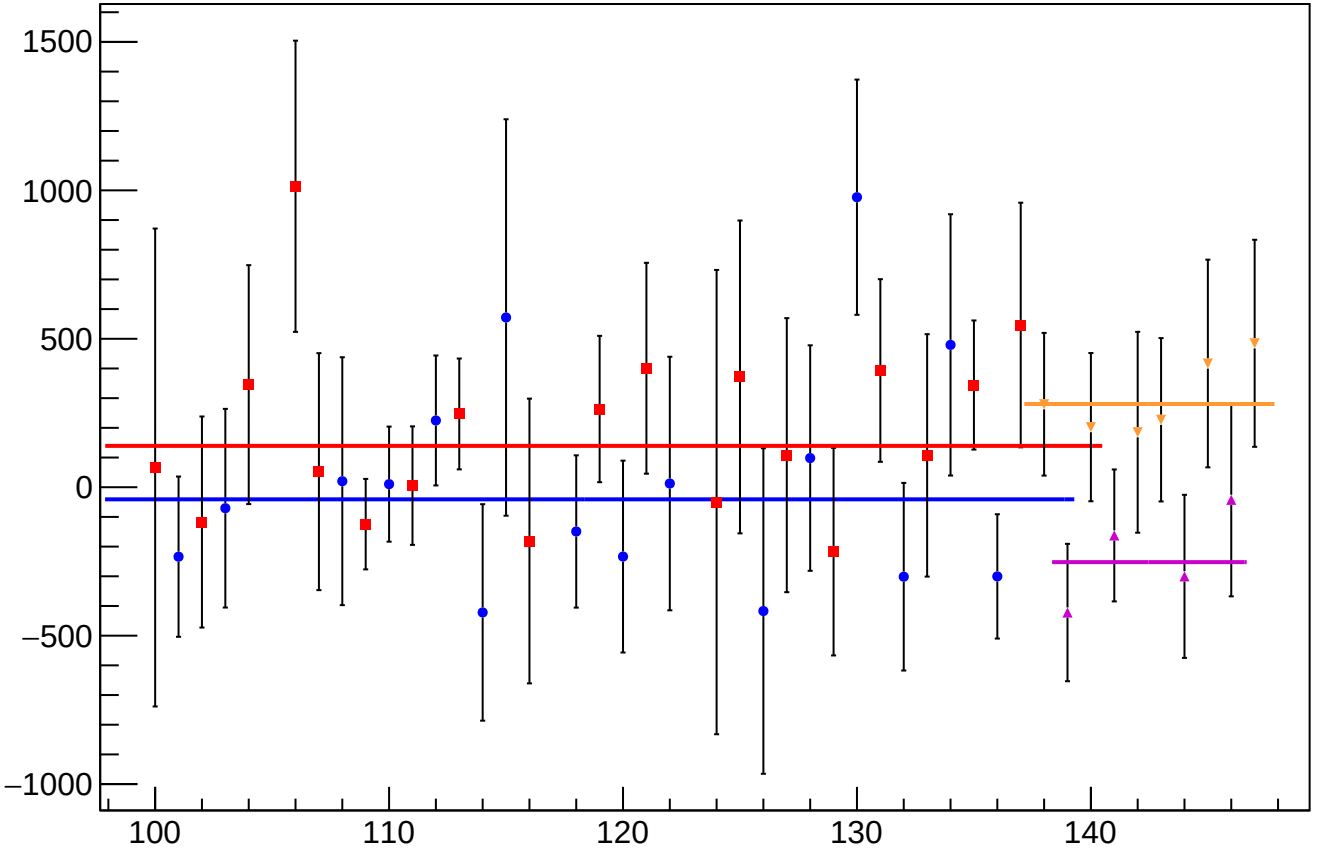
Left In: 233.924+/-0.090 χ^2/NDF:163515.7/3

+ sign 208.785+/-0.045 χ^2/NDF: 1536745.1/21

All: 196.363+/-0.031 χ^2/NDF: 3870826.3/44

- sign 185.425+/-0.042 χ^2/NDF: 2192133.0/22

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 280.299+/-118.097 χ^2/NDF:0.7/5

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

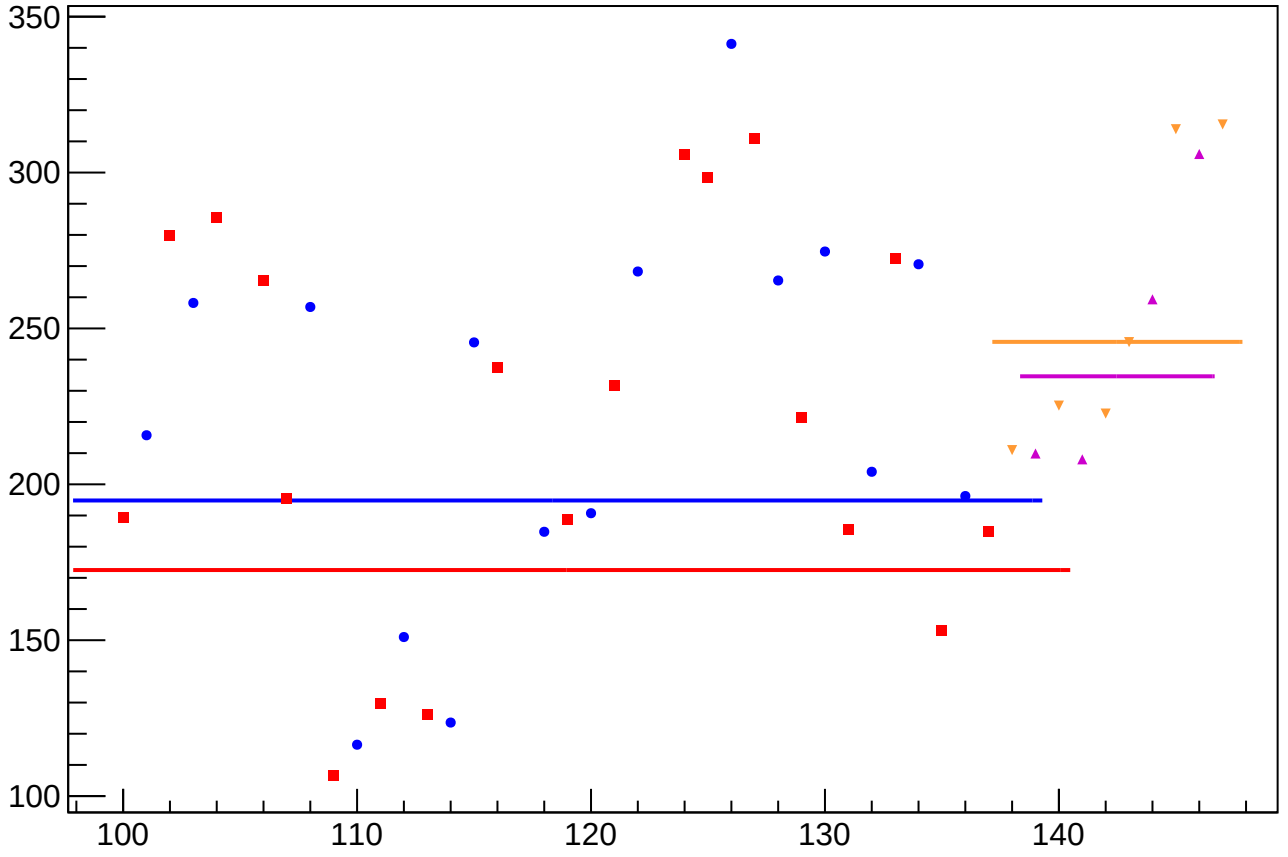
Left In: -252.309+/-127.378 χ^2/NDF:1.1/3

+ sign 54.251+/-64.253 χ^2/NDF: 21.3/21

All: 52.803+/-43.970 χ^2/NDF: 42.7/44

- sign 51.528+/-60.302 χ^2/NDF: 21.4/22

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 245.693+/-0.084 χ^2/NDF:220455.1/5

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

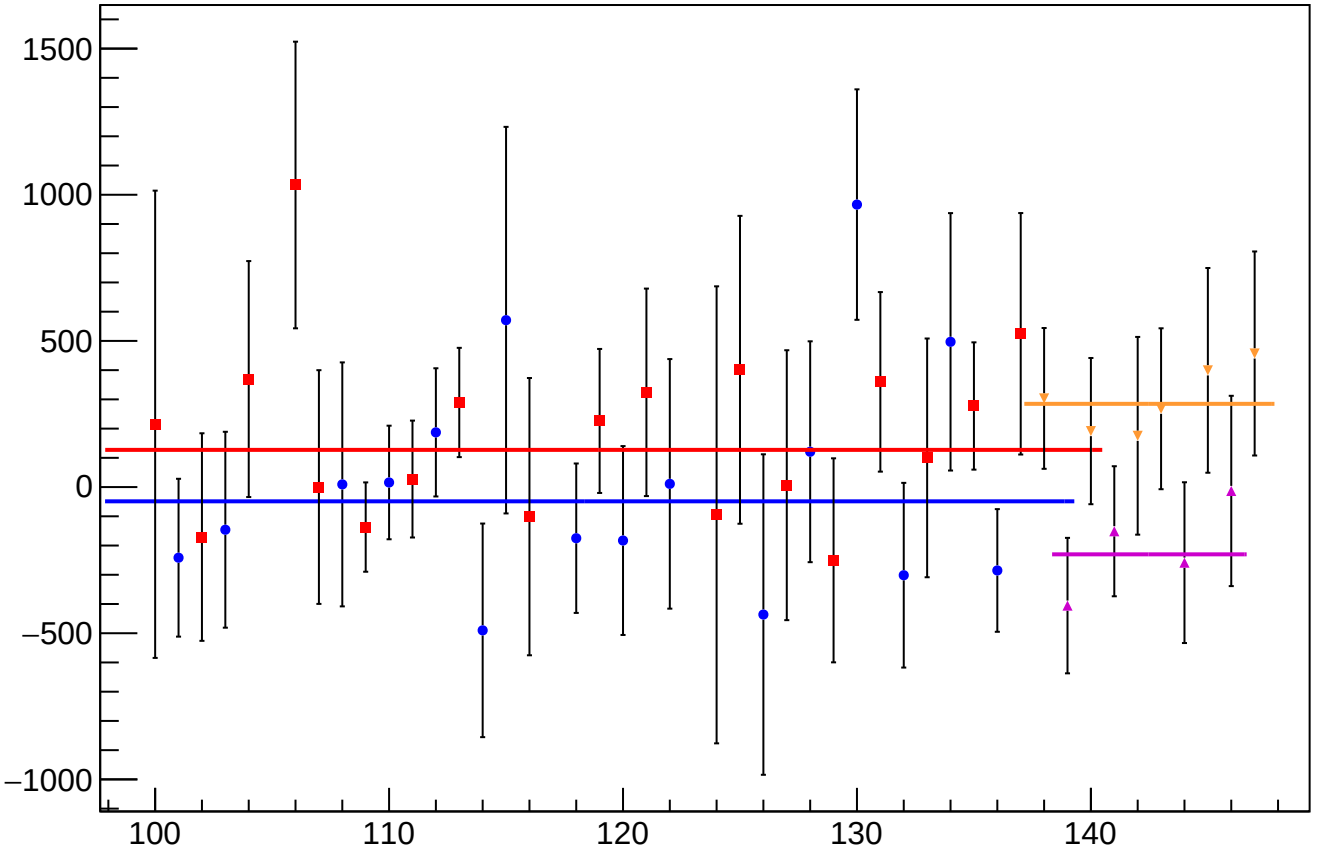
Left In: 234.646+/-0.090 χ^2/NDF:163939.7/3

+ sign 209.879+/-0.045 χ^2/NDF: 1520831.8/21

All: 197.413+/-0.031 χ^2/NDF: 3837711.8/44

- sign 186.433+/-0.043 χ^2/NDF: 2175293.4/22

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

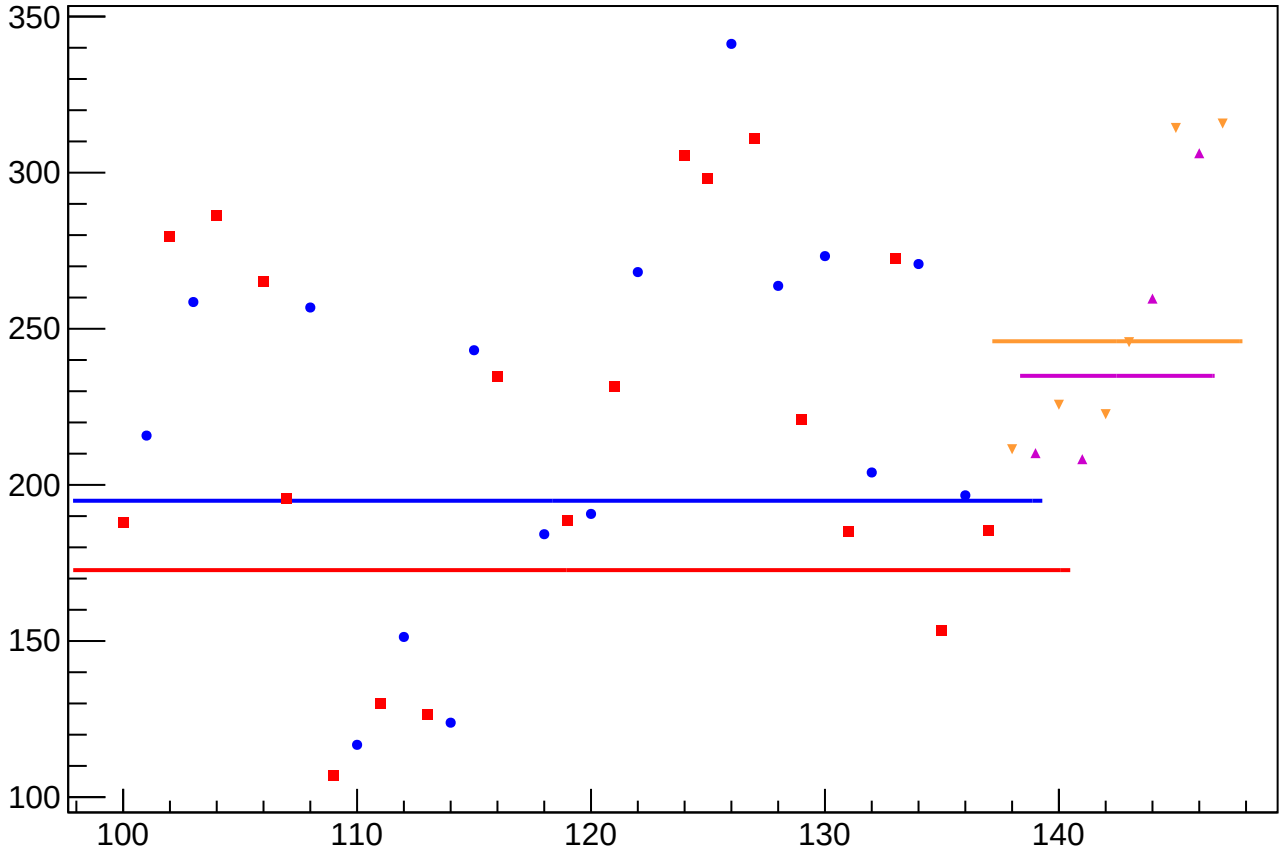
Left In: -230.108+/-127.526 χ^2/NDF:1.2/3

+ sign 49.824+/-64.283 χ^2/NDF: 21.6/21

All: 48.439+/-43.999 χ^2/NDF: 41.7/44

- sign 47.219+/-60.350 χ^2/NDF: 20.1/22

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

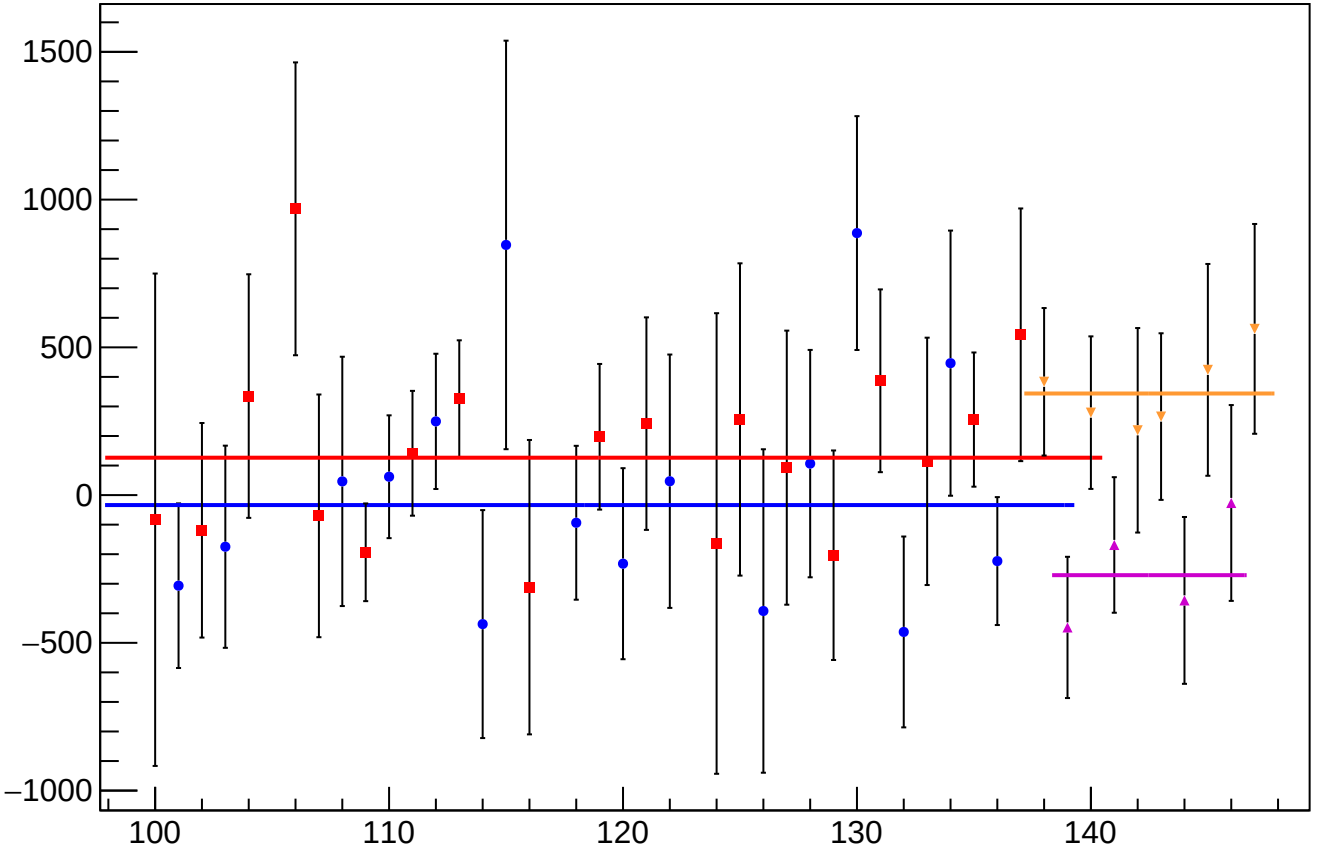
Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

+ sign 210.020+/-0.045 χ^2/NDF: 1511733.3/21

All: 197.593+/-0.031 χ^2/NDF: 3816986.7/44

- sign 186.639+/-0.043 χ^2/NDF: 2164623.1/22

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 343.827+/-121.524 χ^2/NDF:0.7/5

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

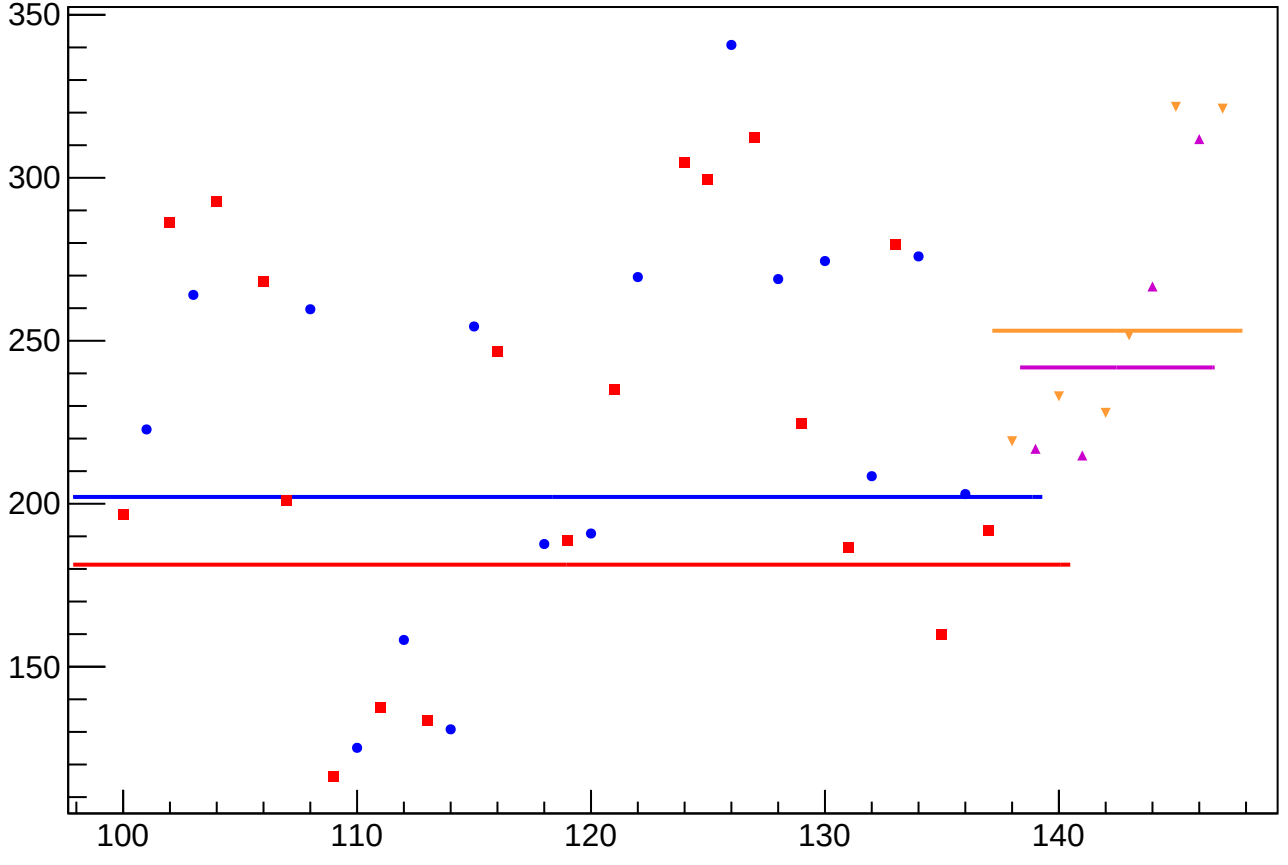
Left In: -270.978+/-131.126 χ^2/NDF:1.4/3

+ sign 78.418+/-66.232 χ^2/NDF: 23.3/21

All: 55.938+/-45.512 χ^2/NDF: 44.6/44

- sign 35.828+/-62.645 χ^2/NDF: 21.2/22

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 253.089+/-0.086 χ^2/NDF:206862.5/5

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

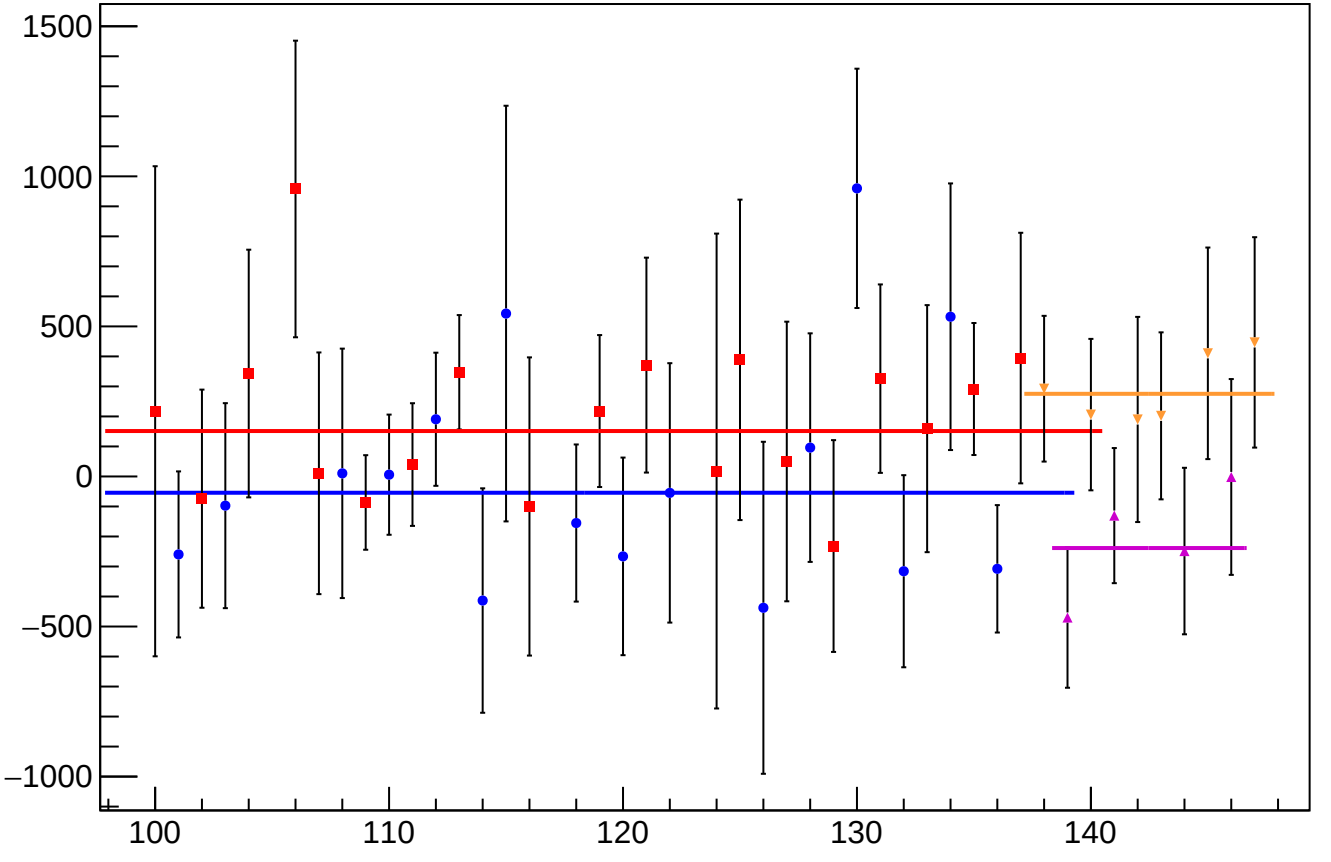
Left In: 241.817+/-0.093 χ^2/NDF:154419.1/3

+ sign 217.239+/-0.047 χ^2/NDF: 1364724.7/21

All: 205.565+/-0.032 χ^2/NDF: 3406478.5/44

- sign 195.122+/-0.044 χ^2/NDF: 1924042.9/22

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 275.375+/-119.238 χ^2/NDF:0.6/5

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

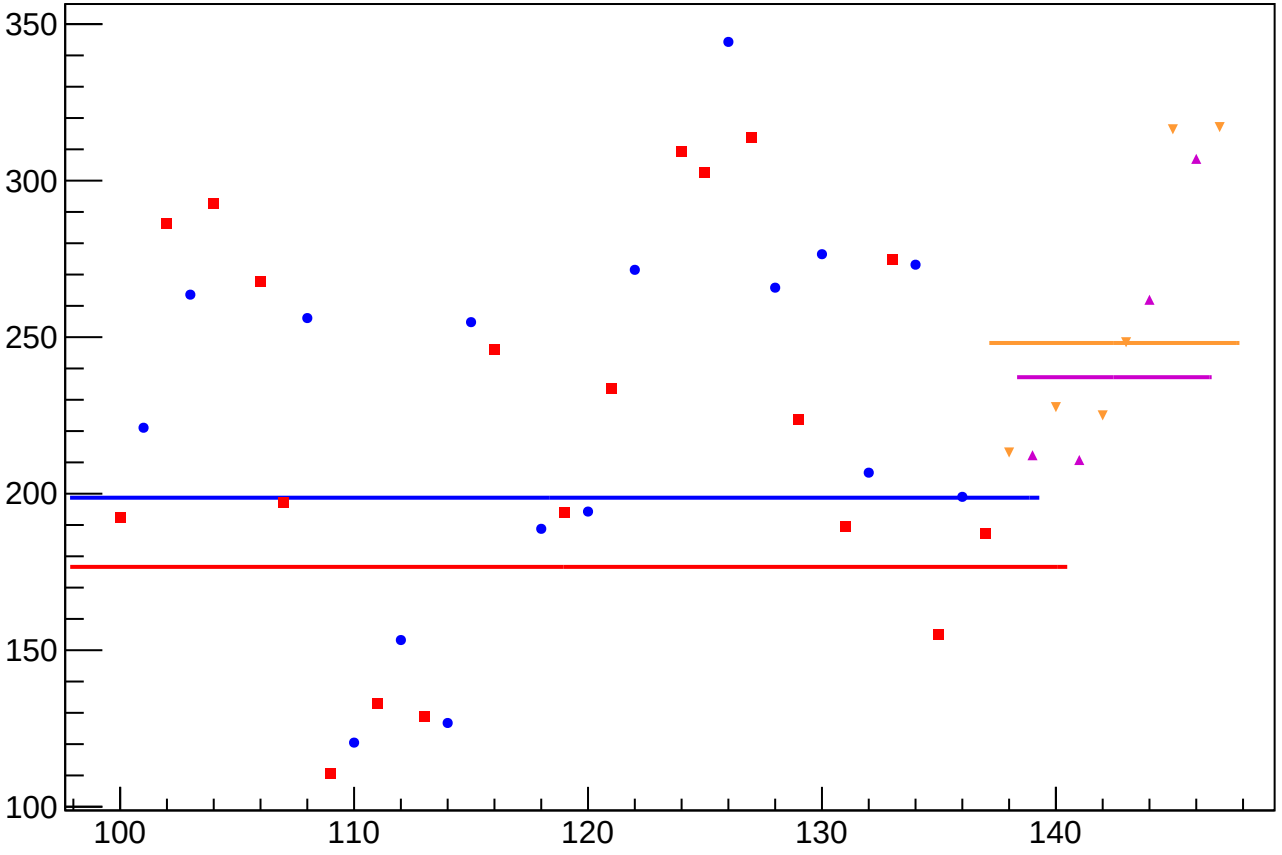
Left In: -238.491+/-128.691 χ^2/NDF:1.7/3

\+ sign 44.433+/-65.243 χ^2/NDF: 21.0/21

All: 54.032+/-44.723 χ^2/NDF: 40.1/44

\- sign 62.541+/-61.425 χ^2/NDF: 19.1/22

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 248.145+/-0.084 χ^2/NDF:216250.3/5

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

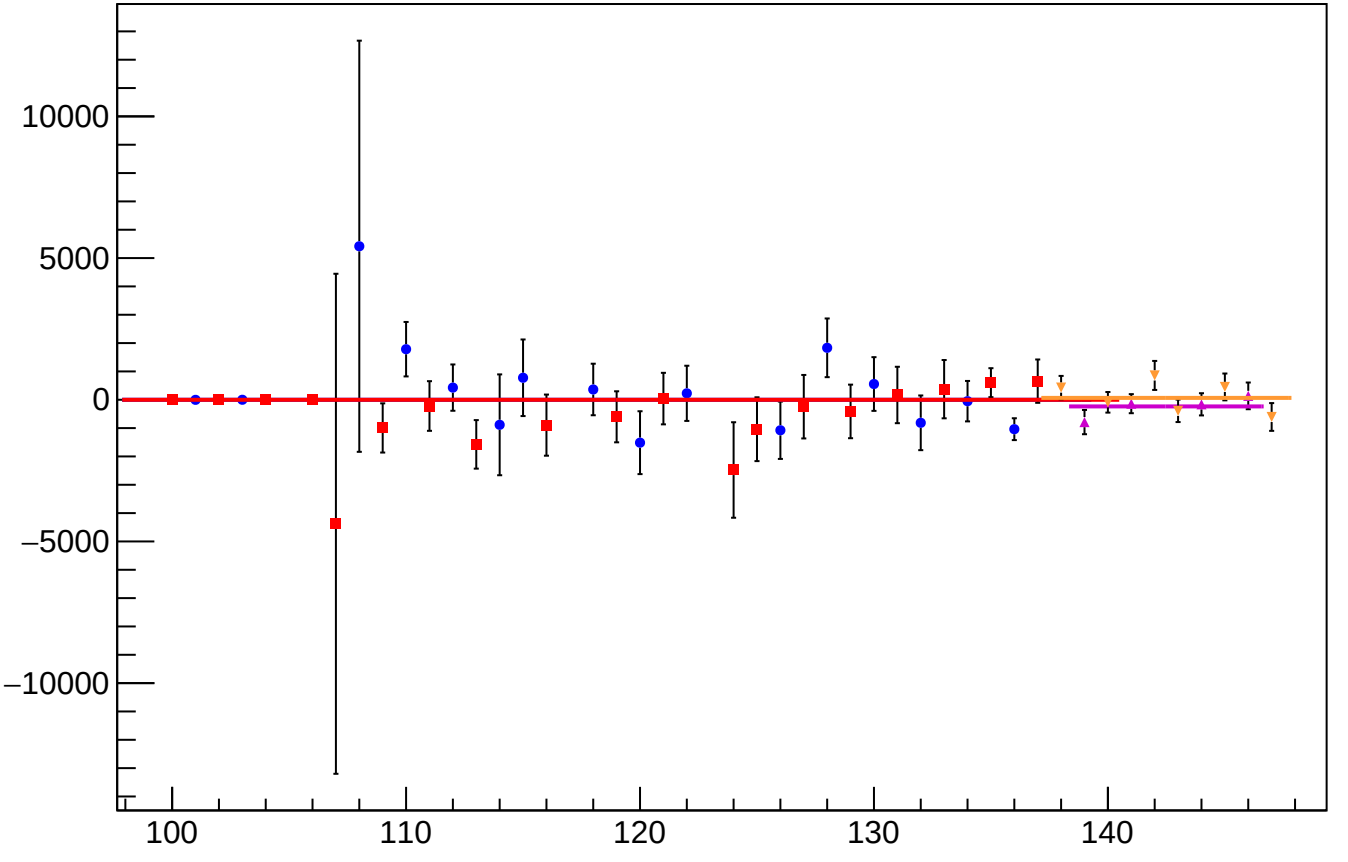
Left In: 237.213+/-0.091 χ^2/NDF:157612.0/3

+ sign 213.516+/-0.046 χ^2/NDF: 1451083.1/21

All: 201.276+/-0.032 χ^2/NDF: 3679562.4/44

- sign 190.426+/-0.043 χ^2/NDF: 2095680.4/22

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 65.931+/-176.037 χ^2/NDF:7.2/5

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

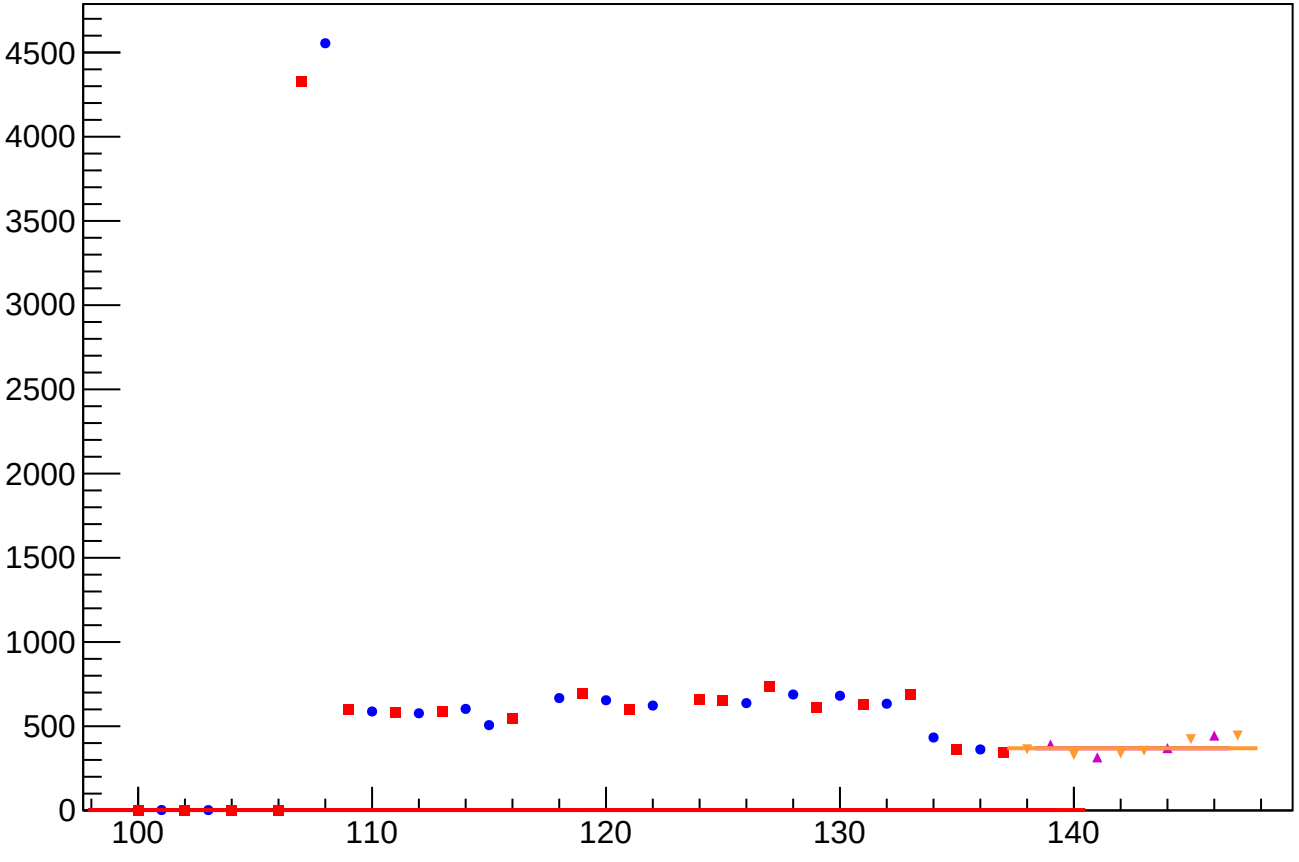
Left In: -235.029+/-198.710 χ^2/NDF:2.4/3

+ sign -1.229+/-2.171 χ^2/NDF: 27.3/21

All: -1.321+/-1.480 χ^2/NDF: 47.9/44

- sign -1.402+/-2.022 χ^2/NDF: 20.6/22

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 369.277+/-0.124 χ^2/NDF:107353.7/5

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

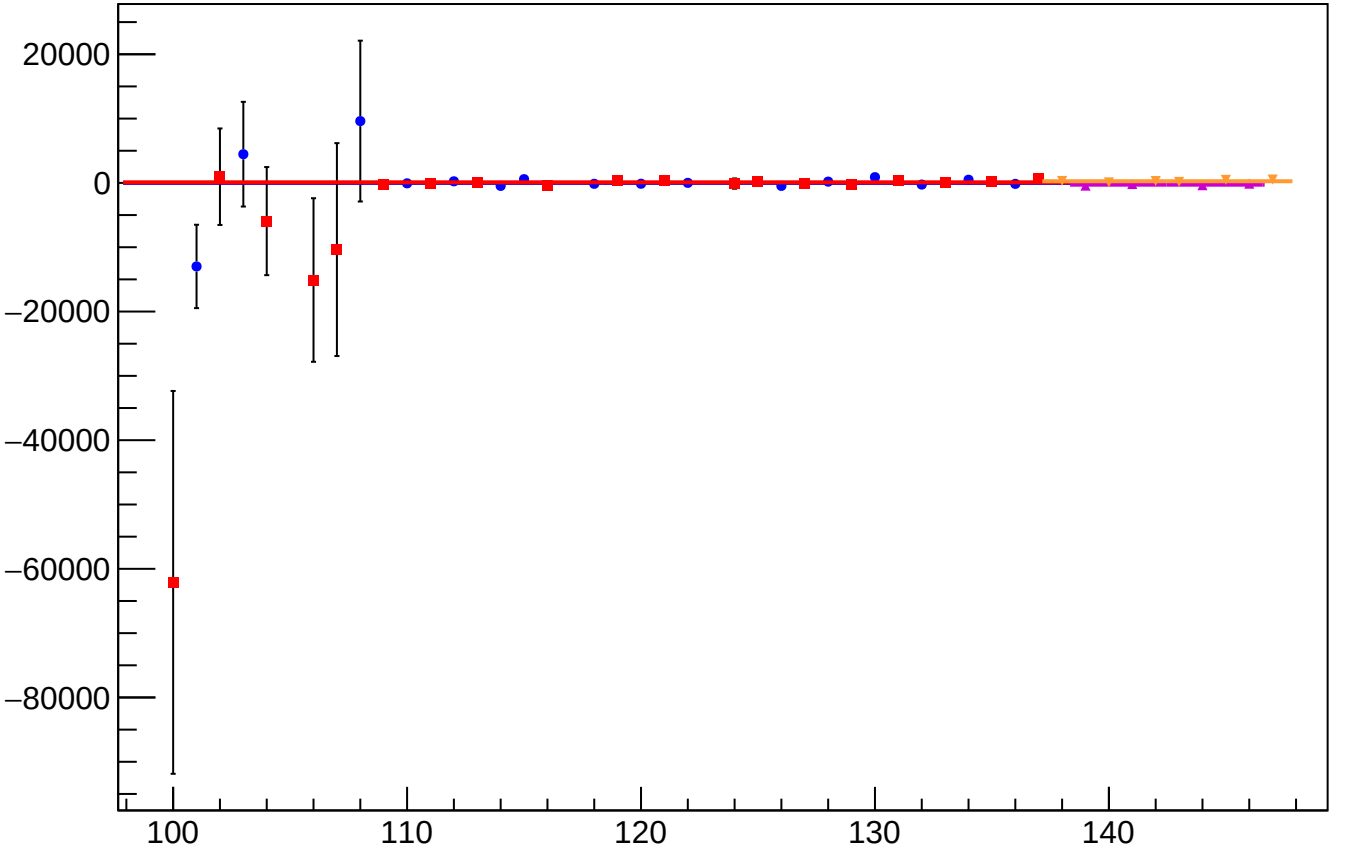
Left In: 369.018+/-0.141 χ^2/NDF:107771.1/3

+ sign 2.532+/-0.002 χ^2/NDF: 20415465.7/21

All: 2.515+/-0.001 χ^2/NDF: 38873880.1/44

- sign 2.500+/-0.001 χ^2/NDF: 18458176.7/22

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 259.646+/-123.837 χ^2/NDF:1.5/5

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

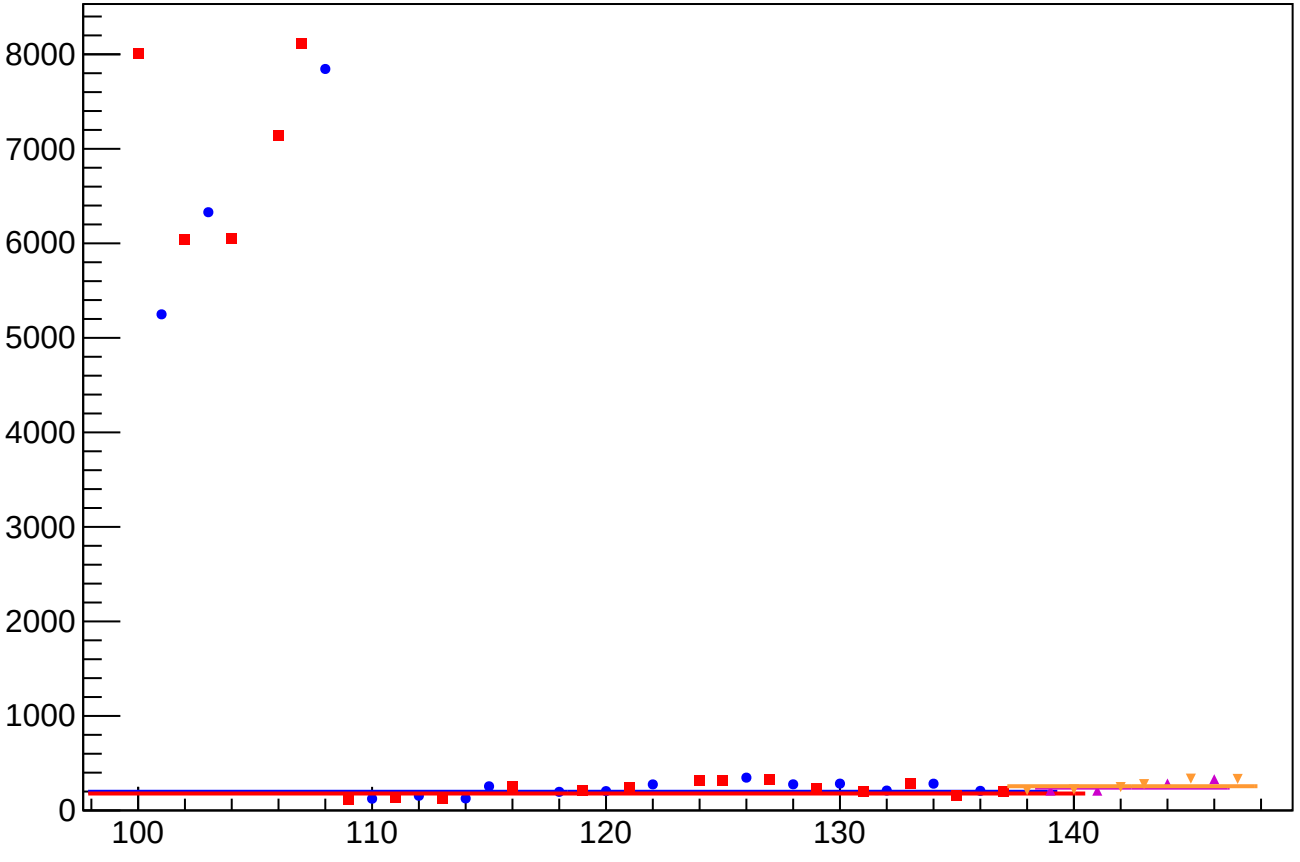
Left In: -275.629+/-132.020 χ^2/NDF:0.9/3

\+ sign 87.269+/-71.637 χ^2/NDF: 21.3/21

All: 35.833+/-49.851 χ^2/NDF: 43.5/44

\- sign -12.462+/-69.414 χ^2/NDF: 21.3/22

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 256.416+/-0.088 χ^2/NDF:292922.6/5

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

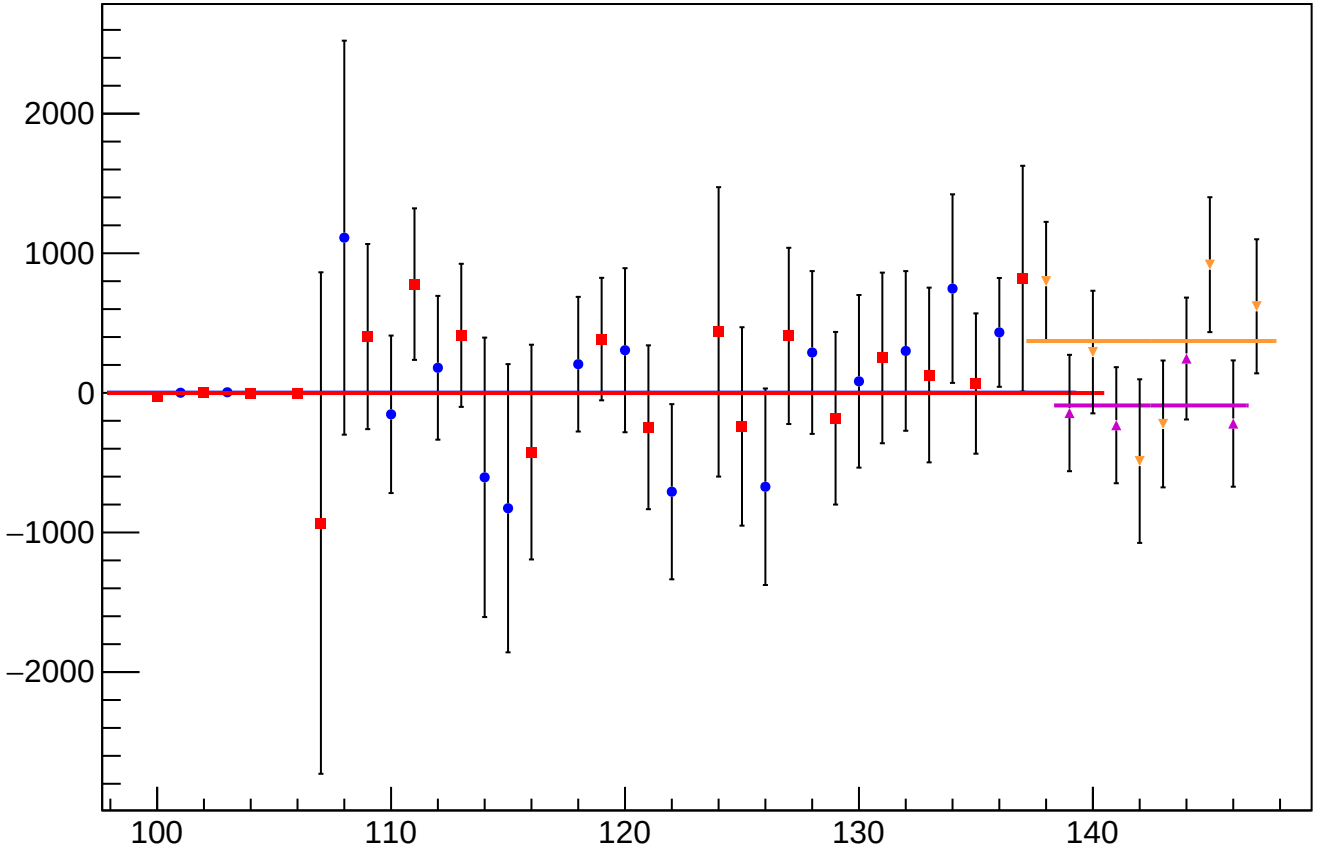
Left In: 241.507+/-0.093 χ^2/NDF:246430.0/3

+ sign 217.295+/-0.051 χ^2/NDF: 4550094.4/21

All: 206.550+/-0.035 χ^2/NDF: 9624003.2/44

- sign 196.461+/-0.049 χ^2/NDF: 4986663.4/22

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 371.381+/-192.102 χ^2/NDF:6.5/5

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

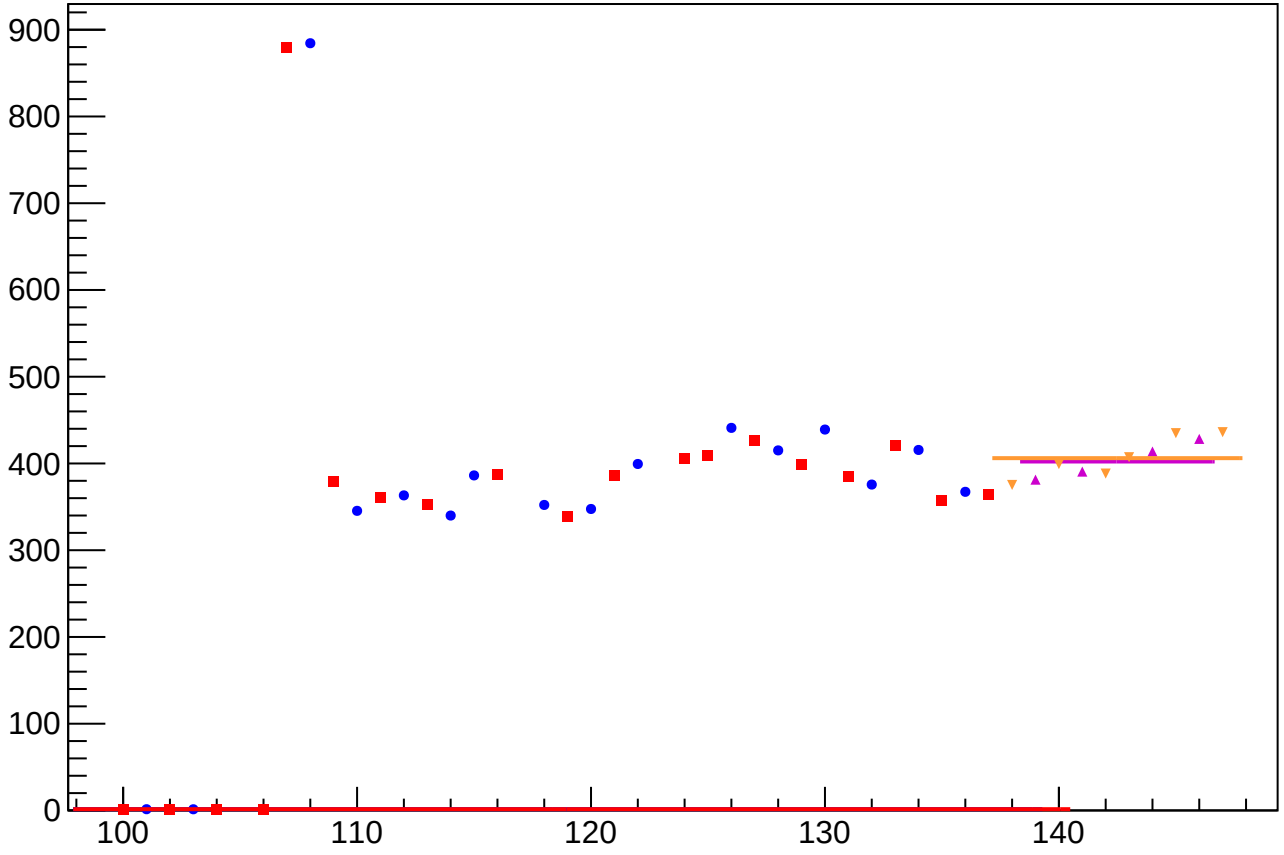
Left In: -90.159+/-214.789 χ^2/NDF:0.8/3

+ sign 1.483+/-1.660 χ^2/NDF: 18.1/21

All: 0.086+/-1.124 χ^2/NDF: 29.5/44

- sign -1.098+/-1.528 χ^2/NDF: 10.1/22

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 406.124+/-0.136 χ^2/NDF:27784.2/5

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

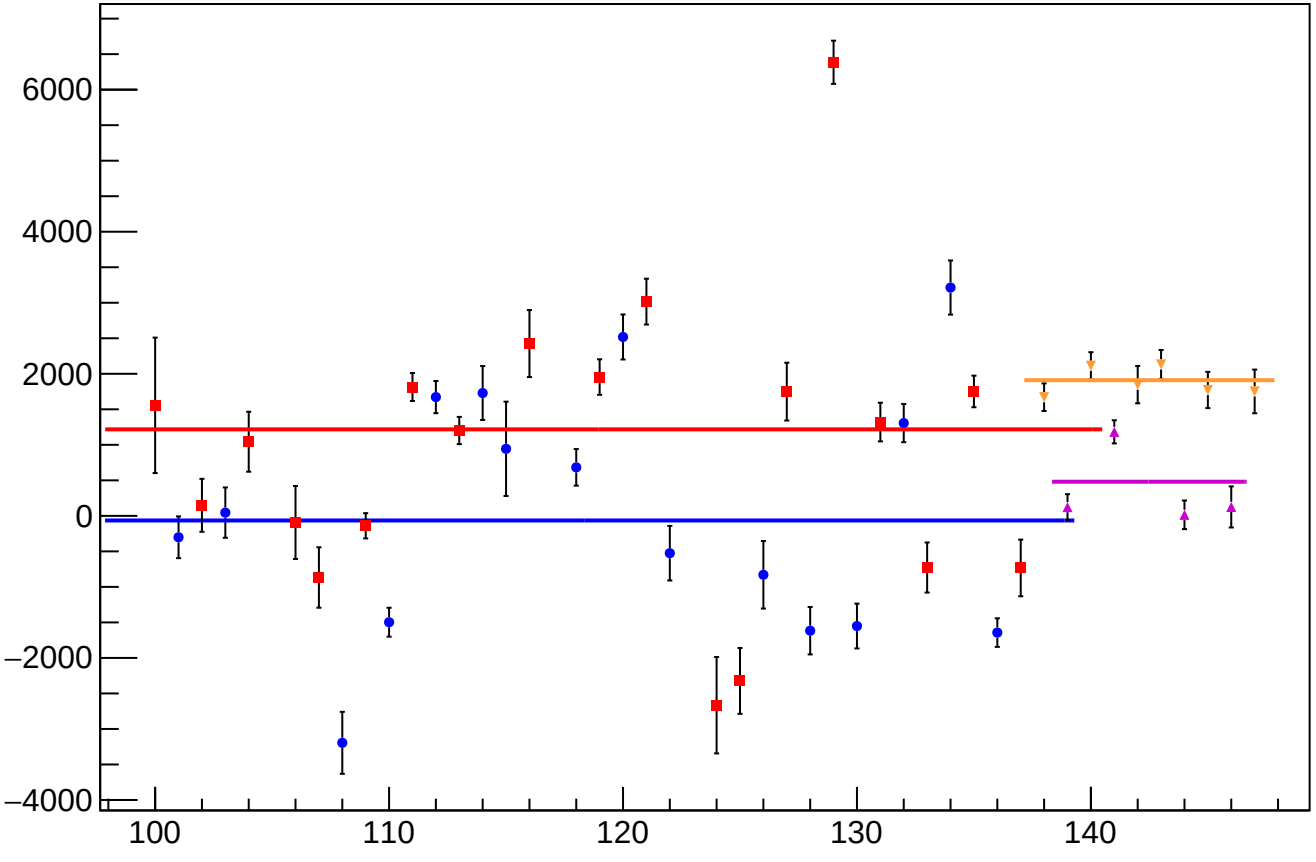
Left In: 402.272+/-0.152 χ^2/NDF:14629.8/3

+ sign 1.500+/-0.001 χ^2/NDF: 20636745.7/21

All: 1.493+/-0.001 χ^2/NDF: 38885732.9/44

- sign 1.487+/-0.001 χ^2/NDF: 18248921.1/22

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1909.763+/-91.842 χ^2/NDF:4.5/5

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

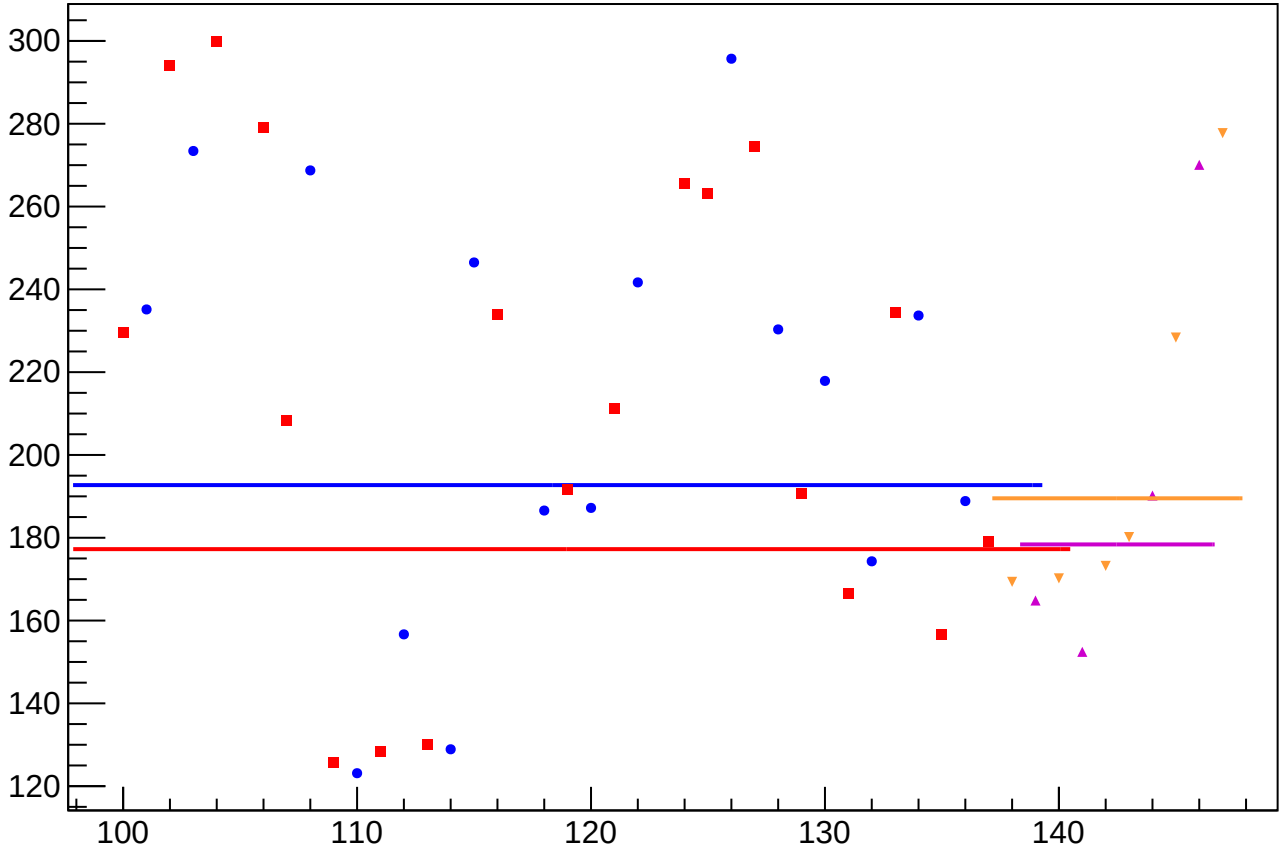
Left In: 480.358+/-97.816 χ^2/NDF:29.3/3

+ sign 723.729+/-58.042 χ^2/NDF: 751.6/21

All: 851.796+/-40.447 χ^2/NDF: 1422.9/44

- sign 972.700+/-56.396 χ^2/NDF: 661.9/22

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 189.529+/-0.065 χ^2/NDF:264775.0/5

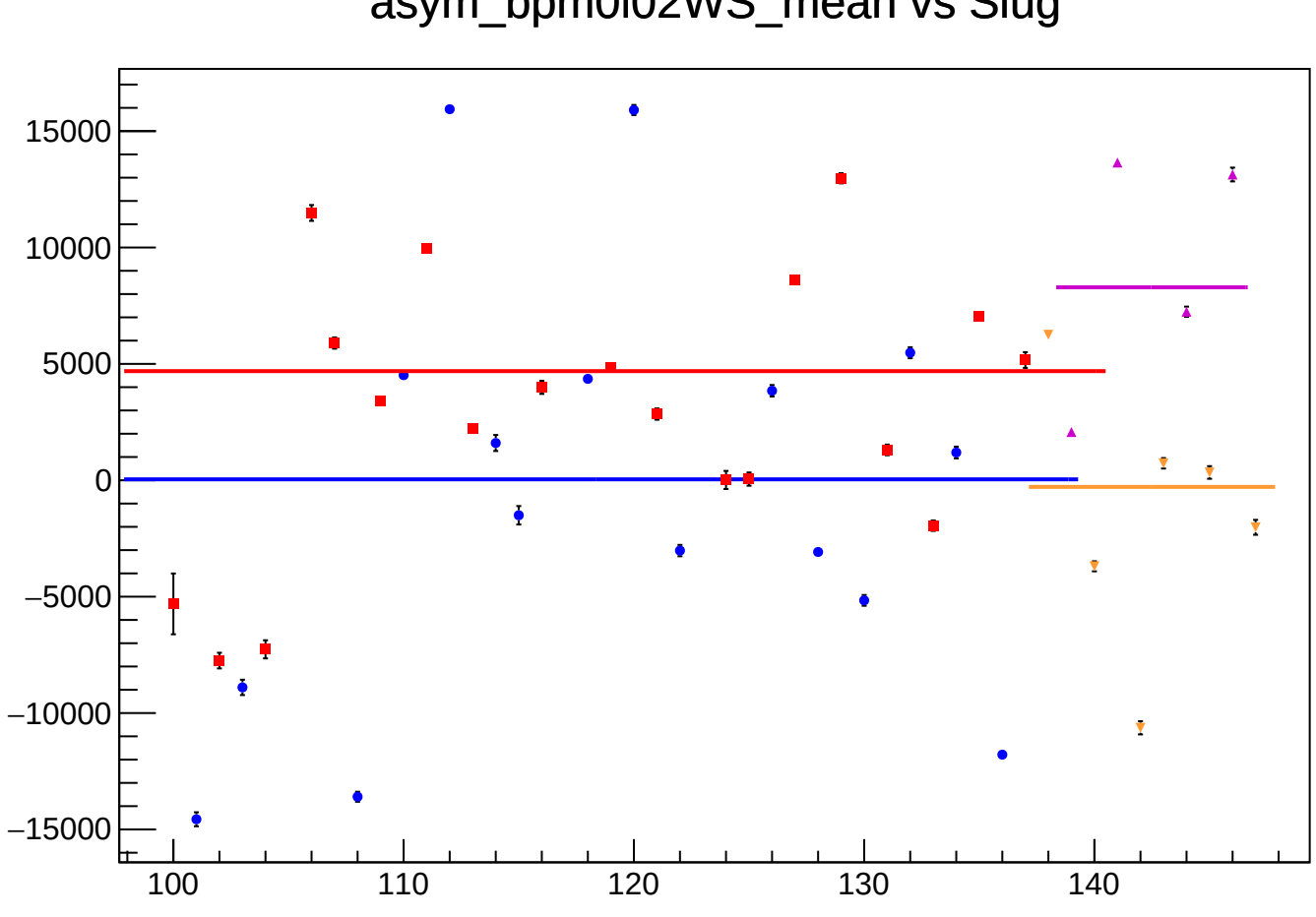
Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 178.390+/-0.069 χ^2/NDF:269831.9/3

+ sign 191.445+/-0.041 χ^2/NDF: 1025370.7/21

All: 184.339+/-0.029 χ^2/NDF: 2579847.6/44

- sign 177.630+/-0.040 χ^2/NDF: 1496193.0/22



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

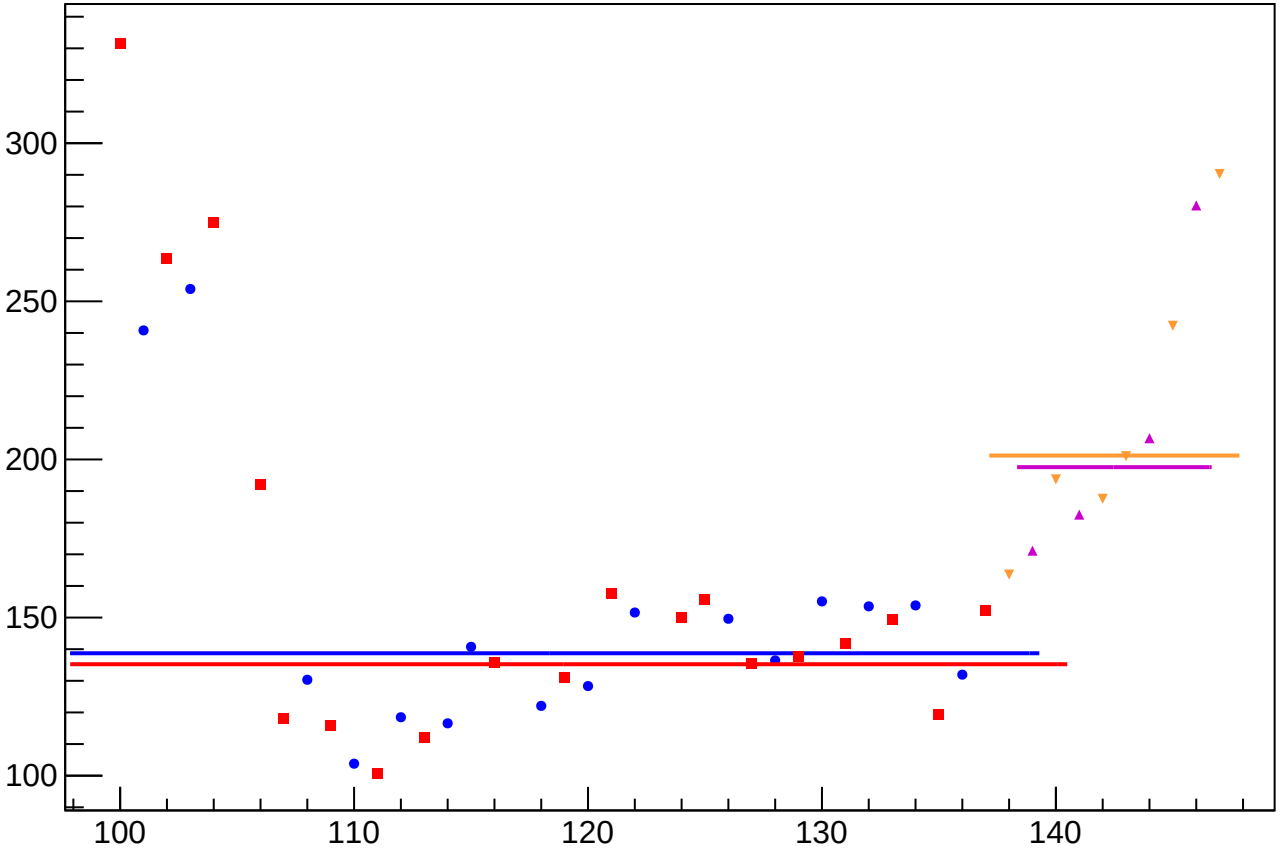
Left In: 8290.564+/-107.557 χ^2/NDF:2126.6/3

+ sign -36.133+/-47.353 χ^2/NDF: 33654.7/21

All: 2695.781+/-33.317 χ^2/NDF: 51076.1/44

- sign 5373.931+/-46.885 χ^2/NDF: 10830.1/22

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

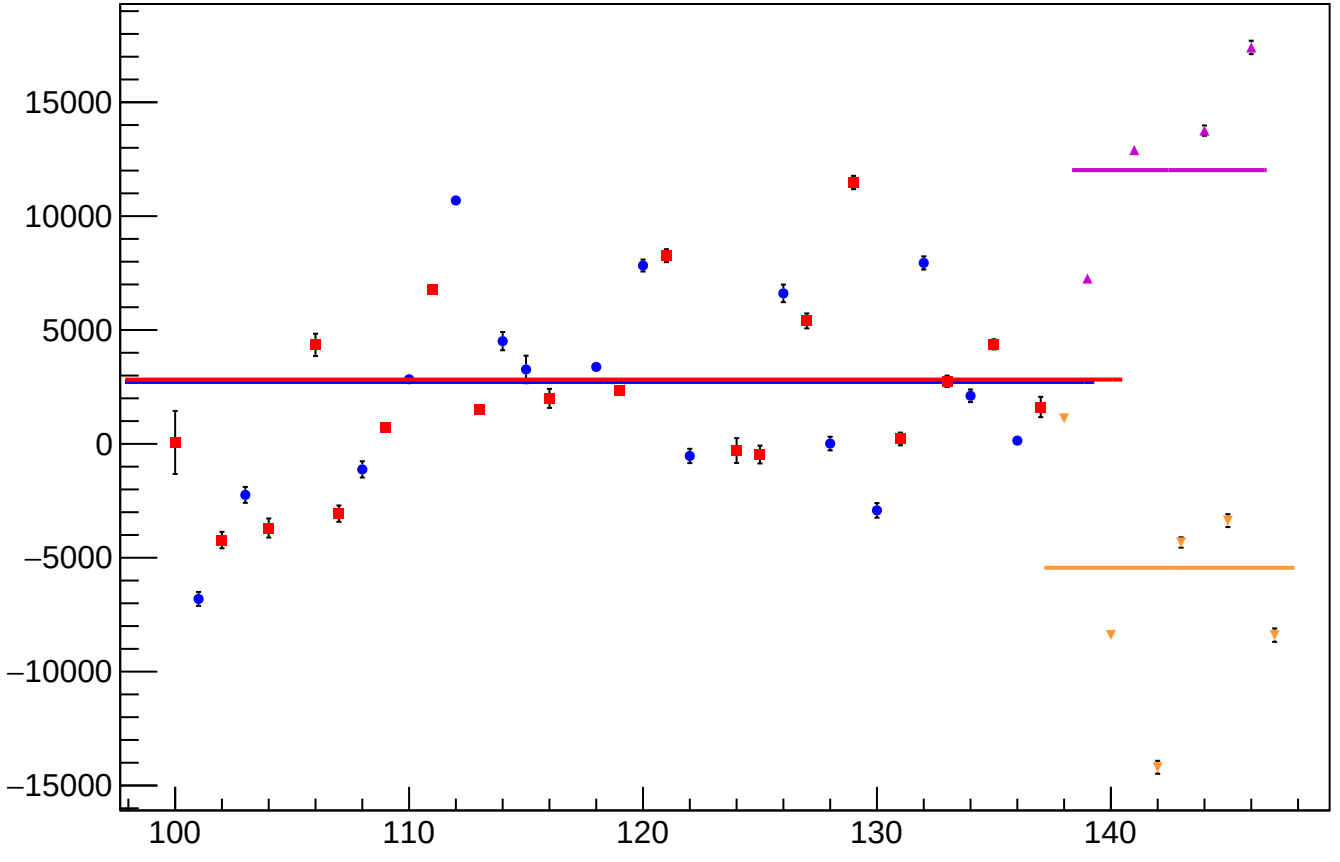
Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

+ sign 153.509+/-0.033 χ^2/NDF: 1576560.4/21

All: 150.266+/-0.024 χ^2/NDF: 3239404.2/44

- sign 147.086+/-0.033 χ^2/NDF: 1644266.0/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

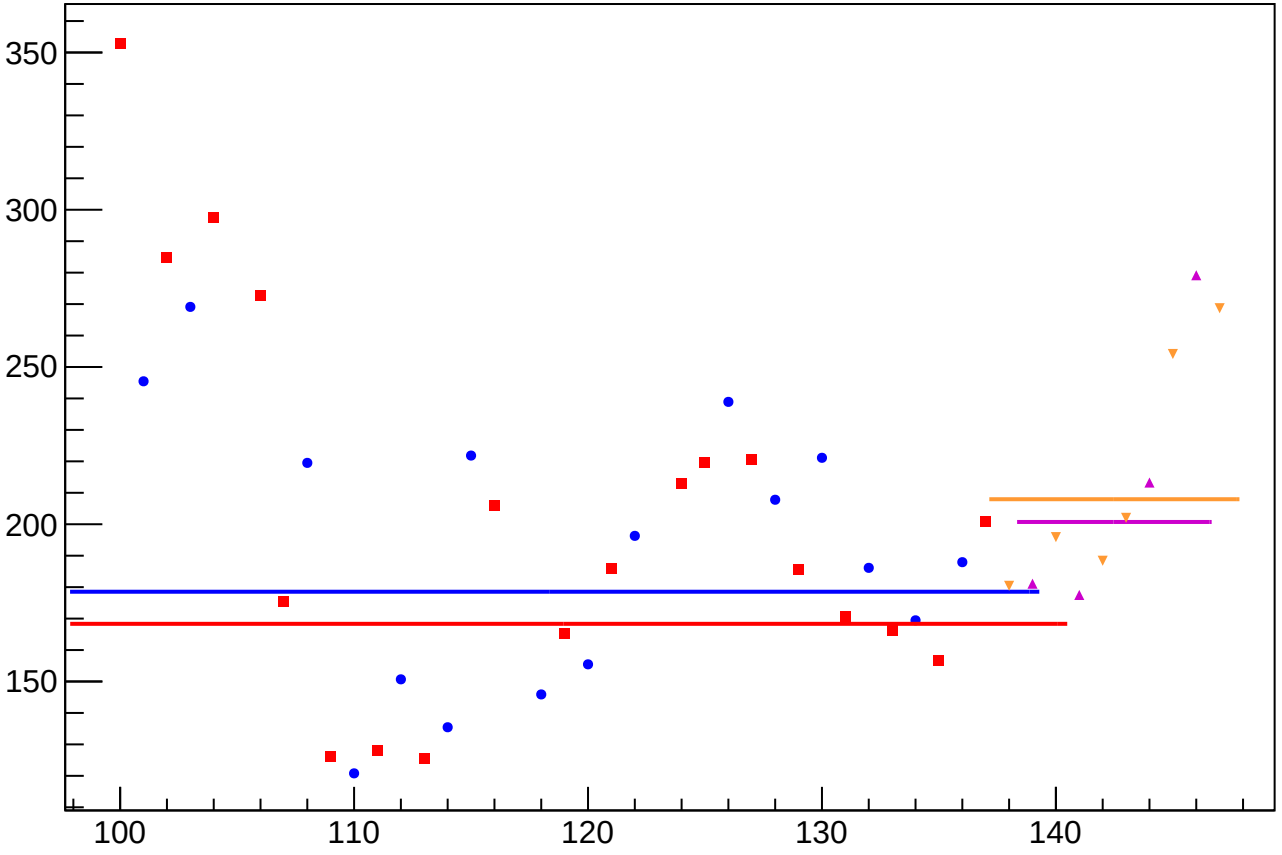
Left In: 12020.892+/-109.141 χ^2/NDF:981.0/3

+ sign 73.902+/-56.922 χ^2/NDF: 10949.7/21

All: 2702.242+/-39.829 χ^2/NDF: 24419.1/44

- sign 5223.540+/-55.751 χ^2/NDF: 9292.1/22

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

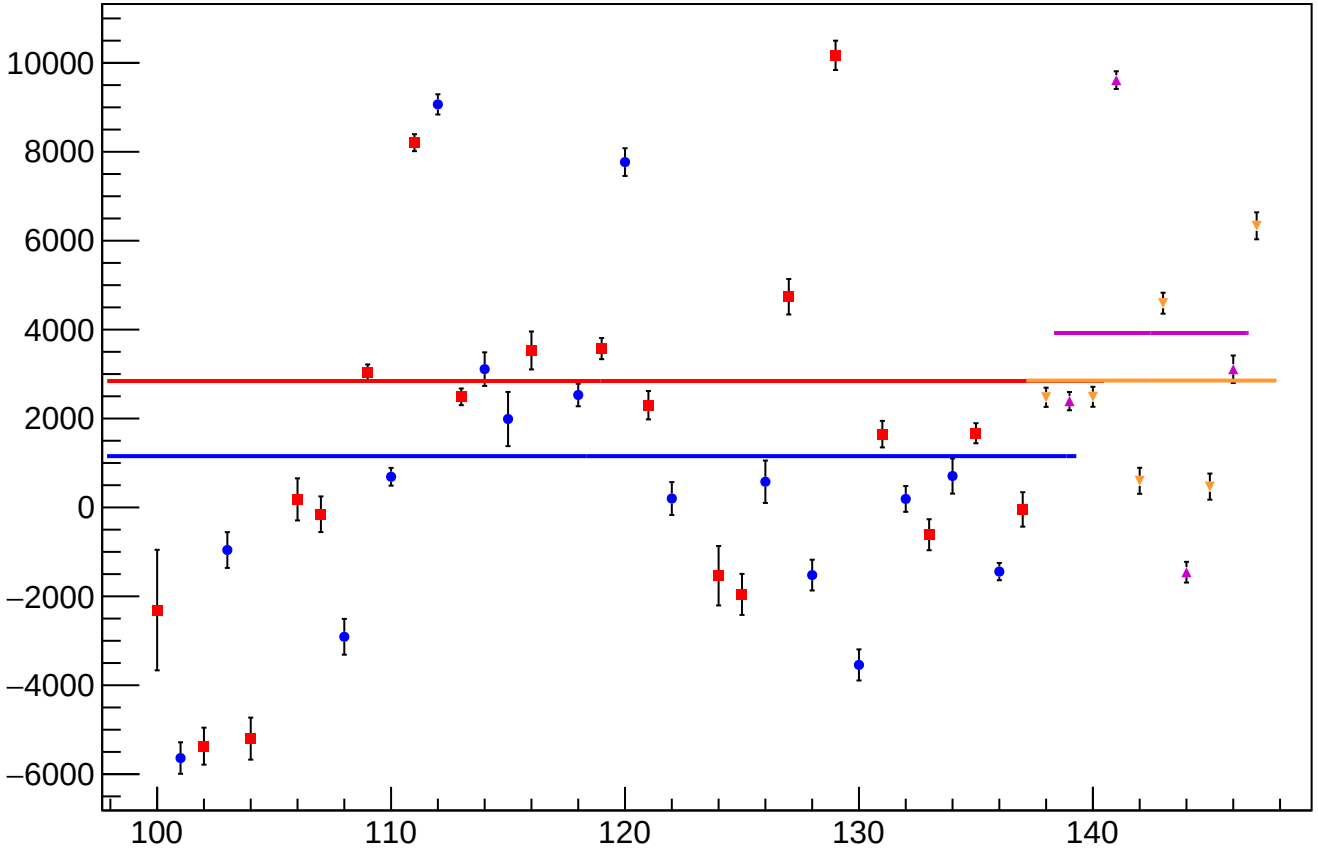
Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

+ sign 188.079+/-0.040 χ^2/NDF: 980721.0/21

All: 182.315+/-0.028 χ^2/NDF: 2326250.8/44

- sign 176.786+/-0.039 χ^2/NDF: 1305351.9/22

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

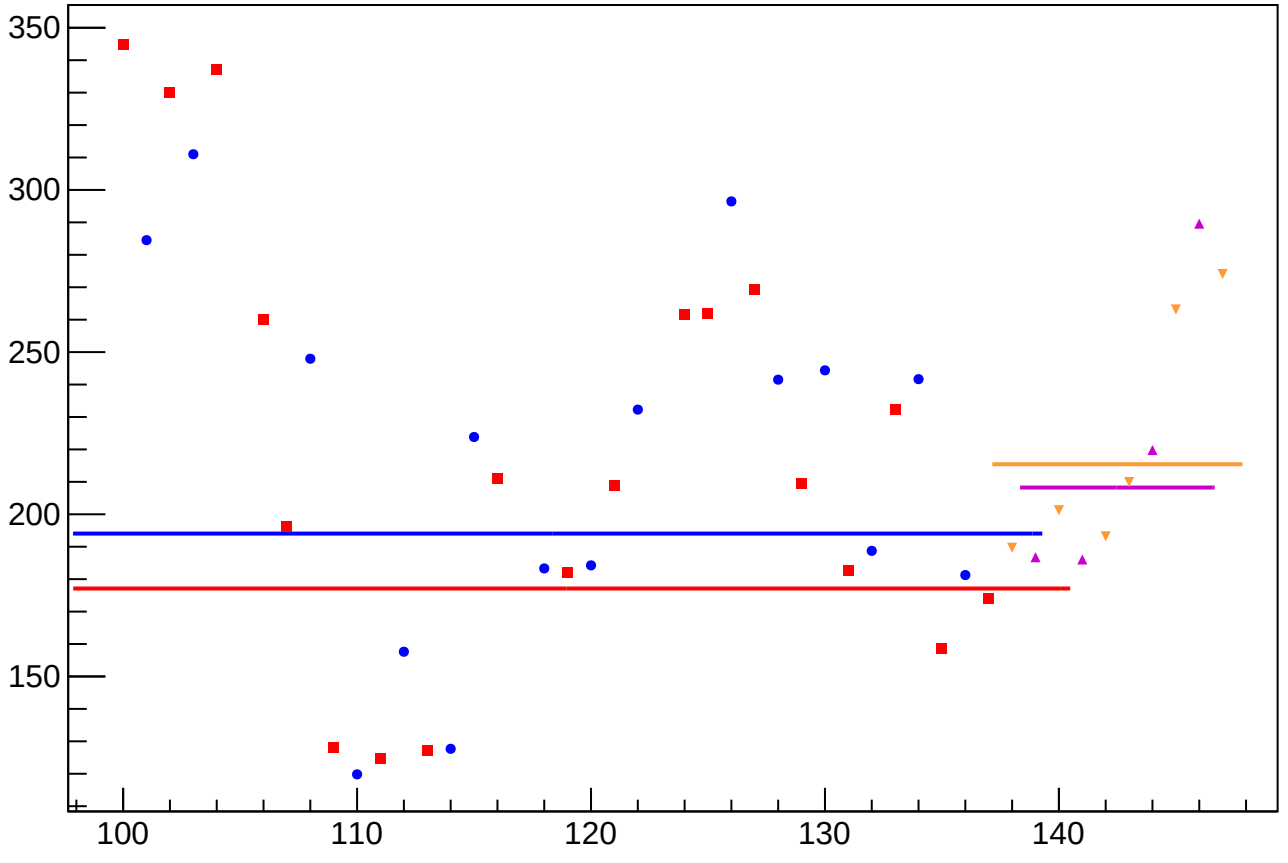
Left In: 3923.686+/-113.245 χ^2/NDF:1415.5/3

+ sign 1748.913+/-61.237 χ^2/NDF: 3147.9/21

All: 2468.693+/-42.492 χ^2/NDF: 7349.2/44

- sign 3137.090+/-59.010 χ^2/NDF: 3934.8/22

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

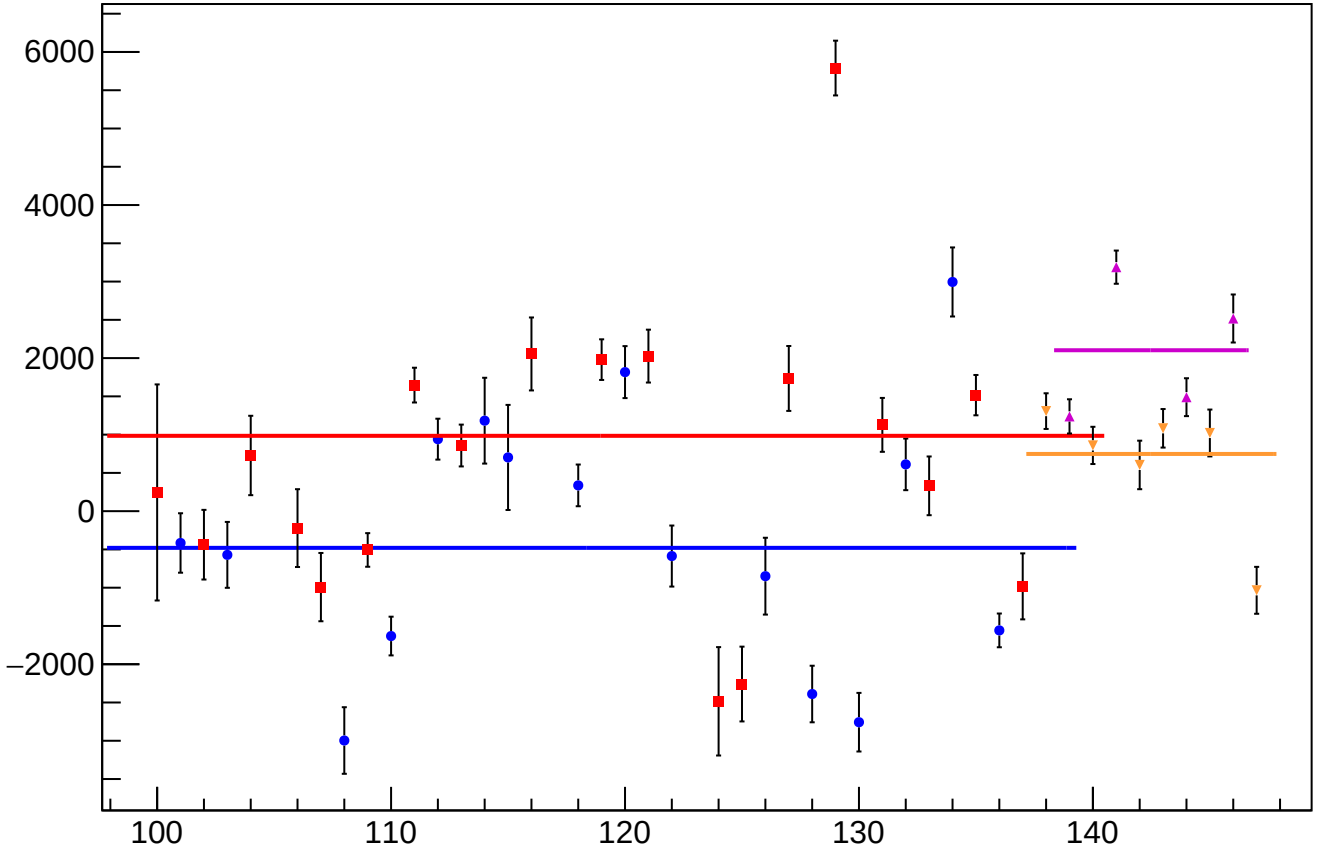
Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

+ sign 201.536+/-0.043 χ^2/NDF: 1197655.8/21

All: 193.256+/-0.030 χ^2/NDF: 2928793.1/44

- sign 185.568+/-0.042 χ^2/NDF: 1660626.7/22

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

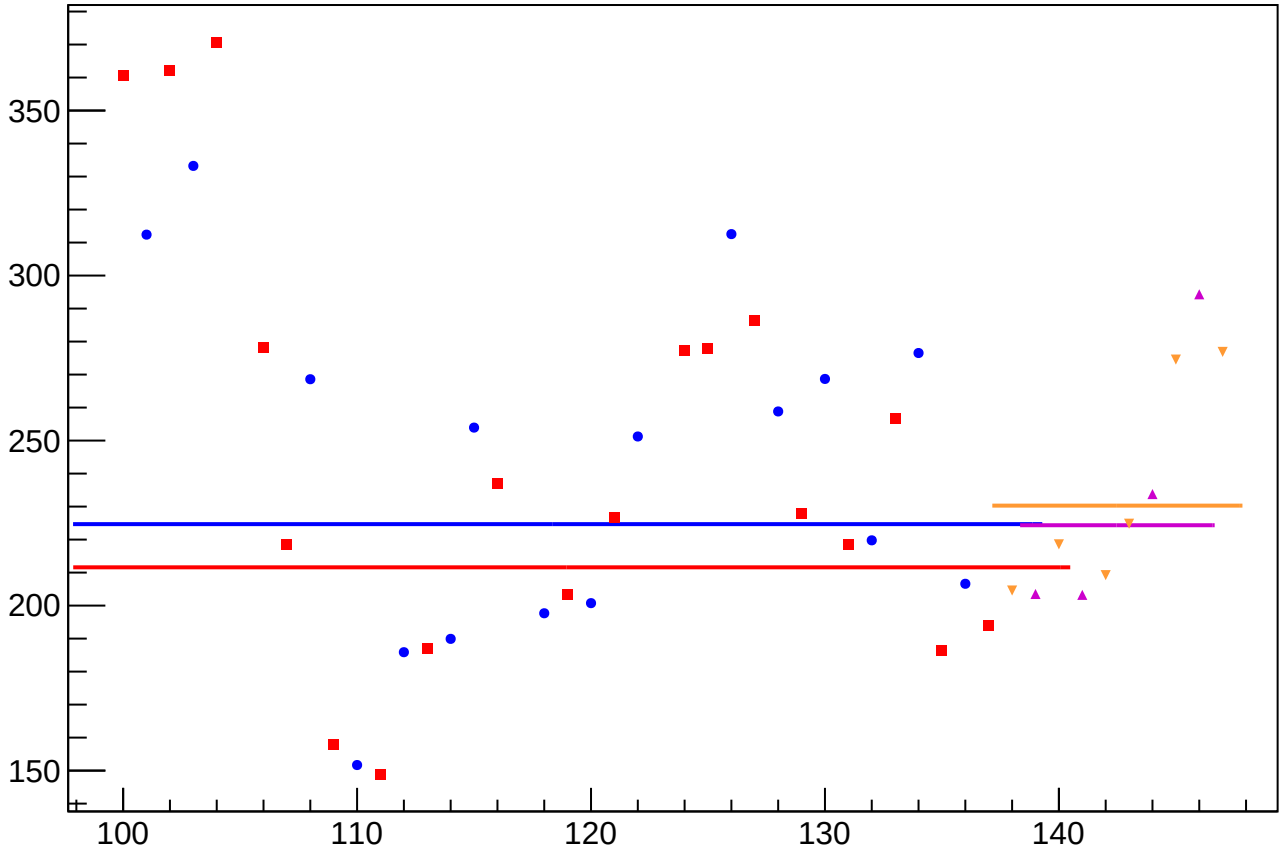
Left In: 2102.702+/-121.497 χ^2/NDF:47.9/3

+ sign -10.336+/-68.133 χ^2/NDF: 424.6/21

All: 666.552+/-47.903 χ^2/NDF: 1124.4/44

- sign 1328.252+/-67.364 χ^2/NDF: 504.7/22

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

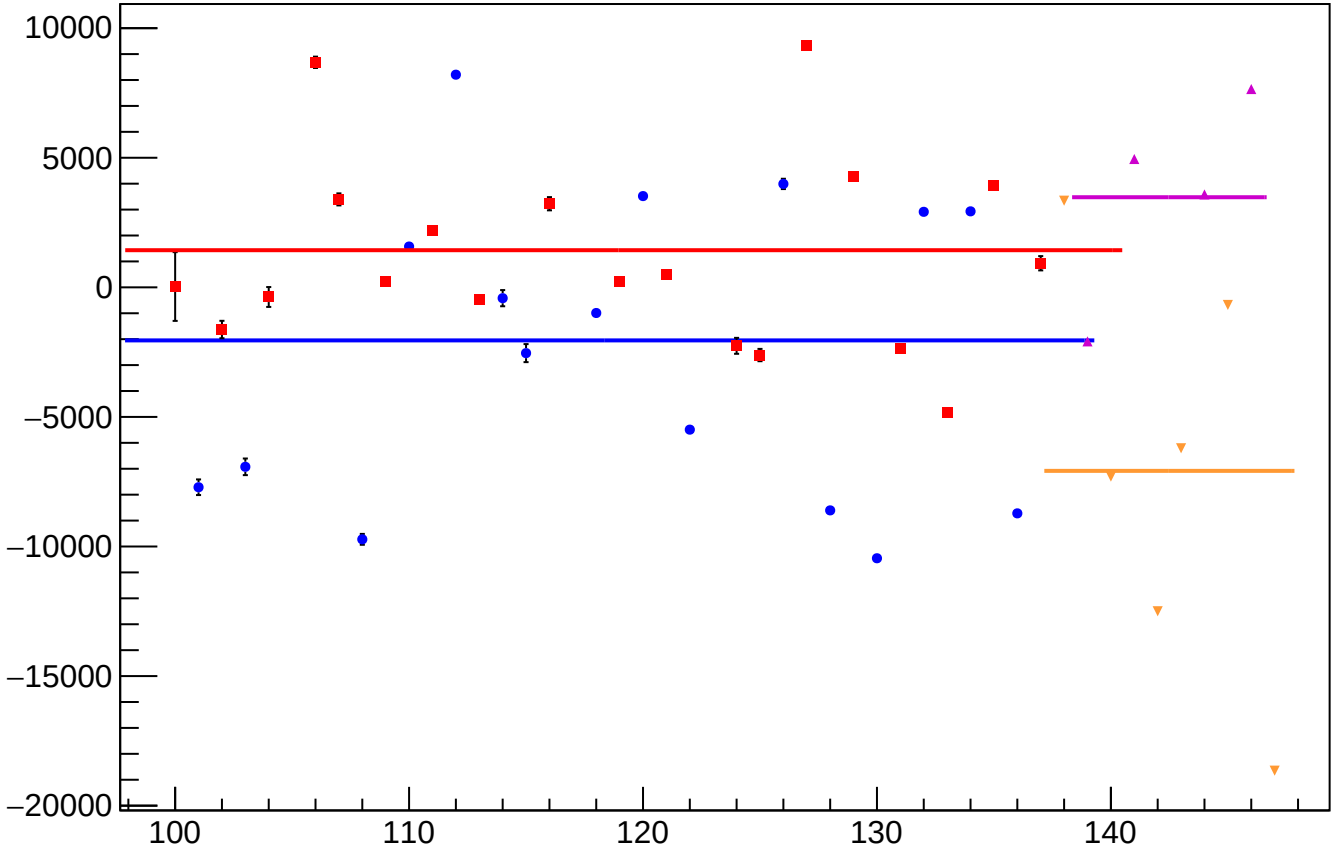
Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

+ sign 226.826+/-0.048 χ^2/NDF: 783150.4/21

All: 221.107+/-0.034 χ^2/NDF: 1897837.9/44

- sign 215.516+/-0.048 χ^2/NDF: 1086817.0/22

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

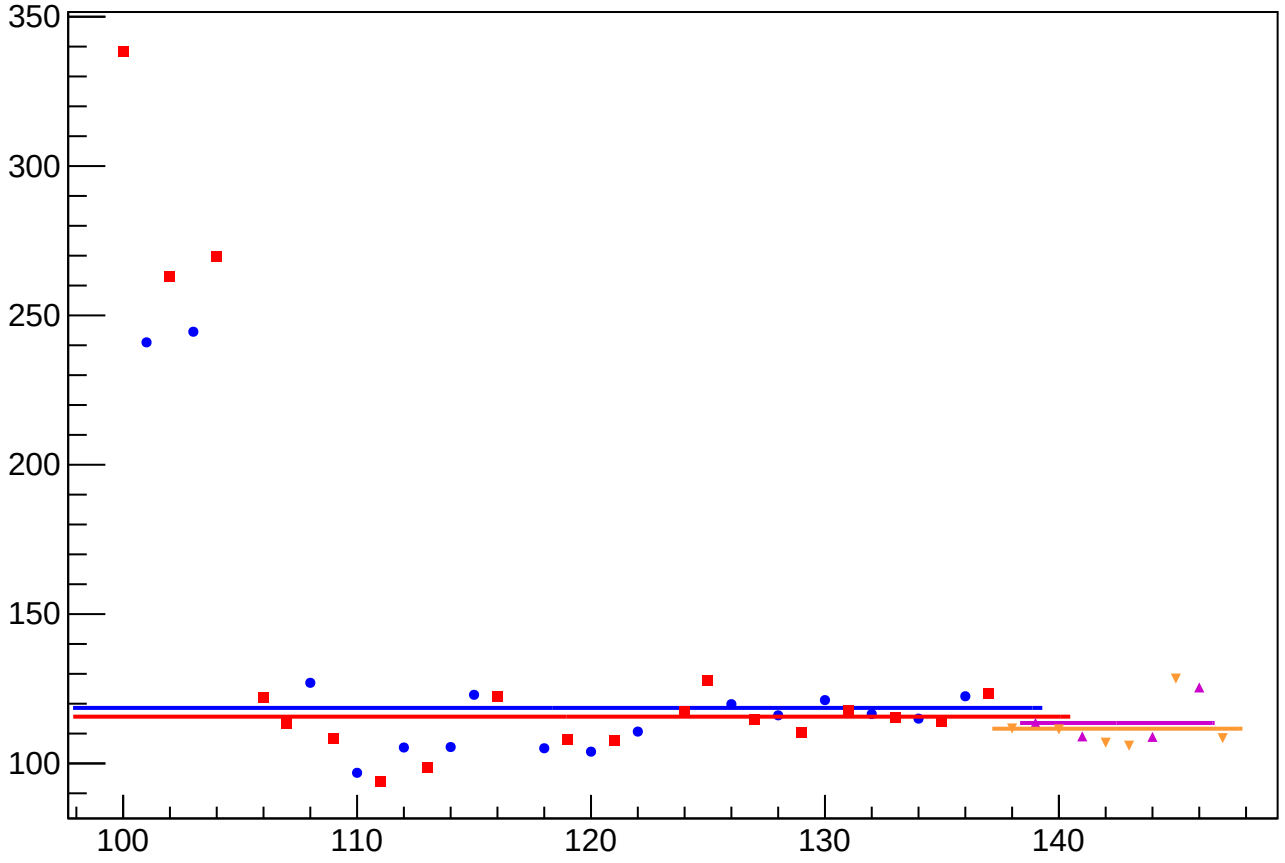
Left In: 3477.145+/-61.589 χ^2/NDF:3061.2/3

+ sign -4213.455+/-35.265 χ^2/NDF: 40641.4/21

All: -1119.680+/-25.257 χ^2/NDF: 66614.2/44

- sign 2138.799+/-36.192 χ^2/NDF: 10170.2/22

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

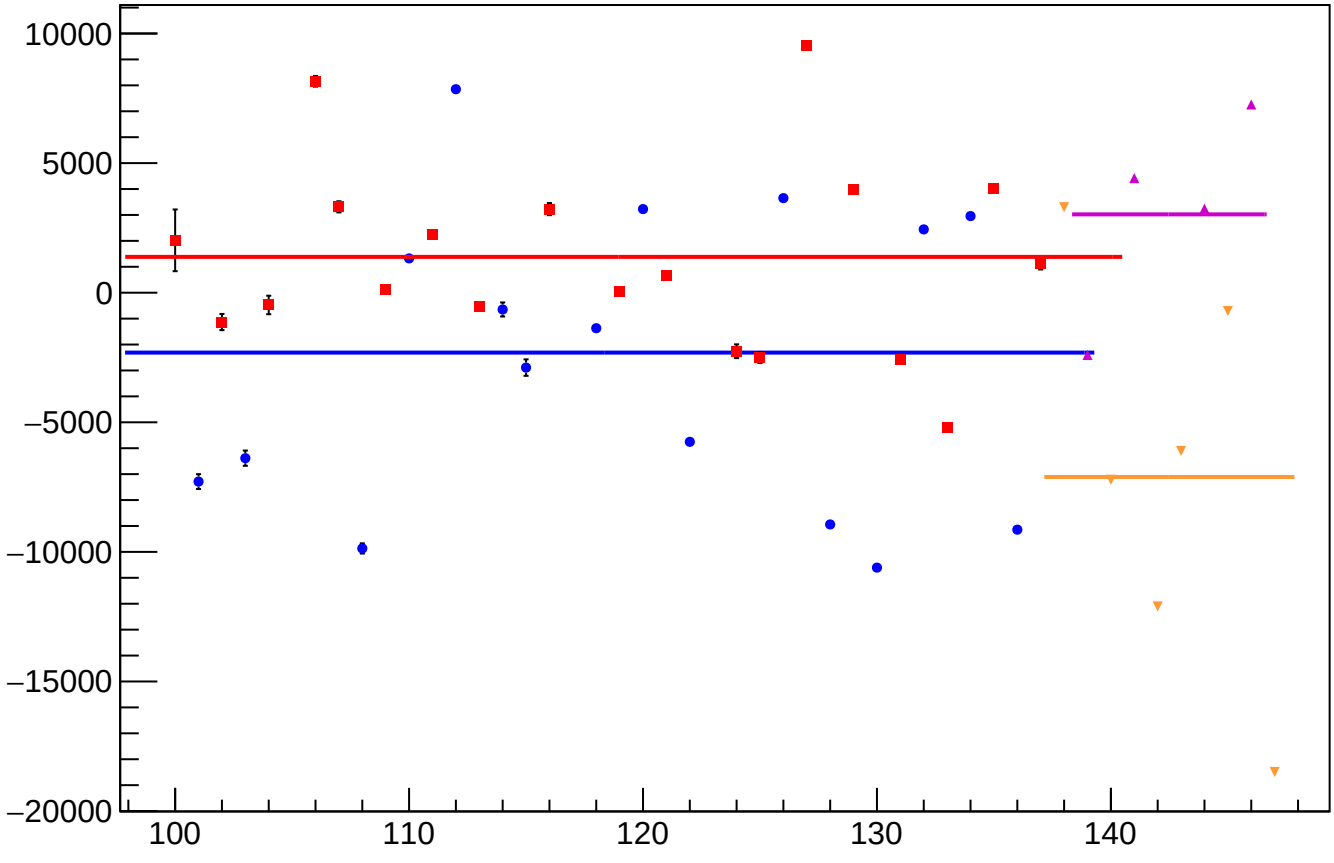
Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

+ sign 115.601+/-0.025 χ^2/NDF: 787537.2/21

All: 115.275+/-0.018 χ^2/NDF: 1675523.9/44

- sign 114.931+/-0.026 χ^2/NDF: 887635.3/22

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -7110.041+/-49.184 χ^2/NDF:22002.4/5

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

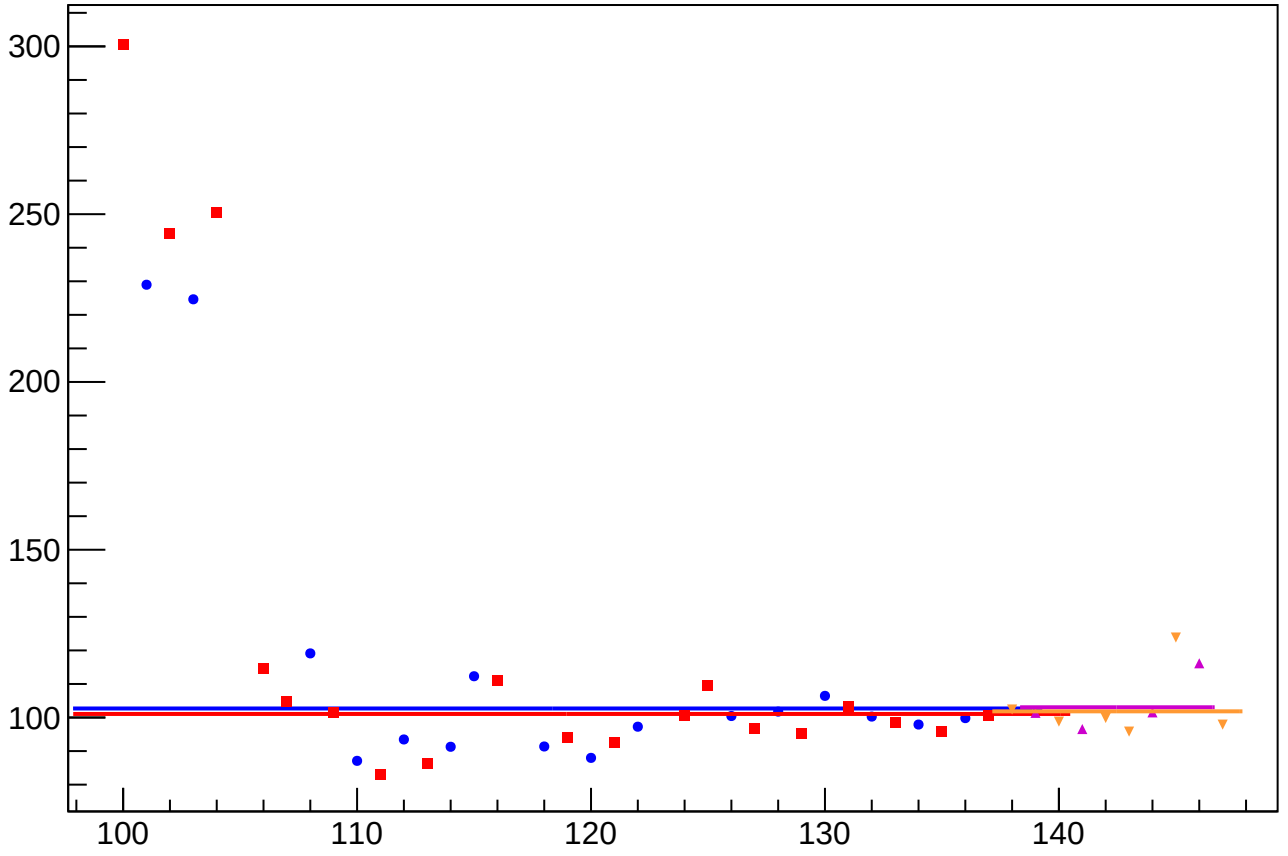
Left In: 3022.676+/-55.989 χ^2/NDF:3642.3/3

+ sign -4263.271+/-31.372 χ^2/NDF: 49330.0/21

All: -1248.997+/-22.467 χ^2/NDF: 81076.9/44

- sign 1924.437+/-32.190 χ^2/NDF: 12795.9/22

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.845+/-0.035 χ^2/NDF:60193.7/5

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

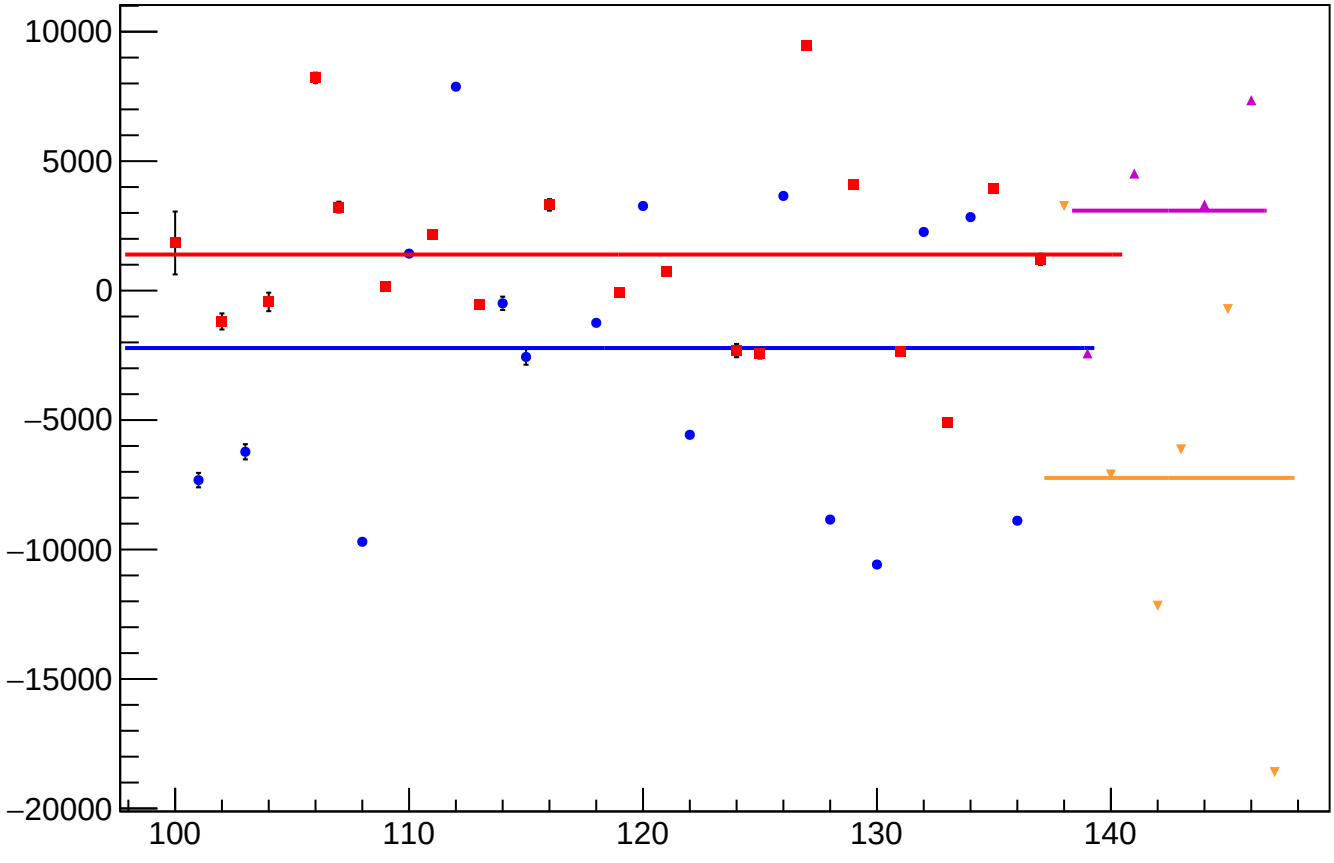
Left In: 103.051+/-0.040 χ^2/NDF:30881.9/3

+ sign 102.348+/-0.022 χ^2/NDF: 886348.4/21

All: 102.043+/-0.016 χ^2/NDF: 1849767.0/44

- sign 101.720+/-0.023 χ^2/NDF: 963028.2/22

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -7234.668+/-47.549 χ^2/NDF:24130.4/5

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

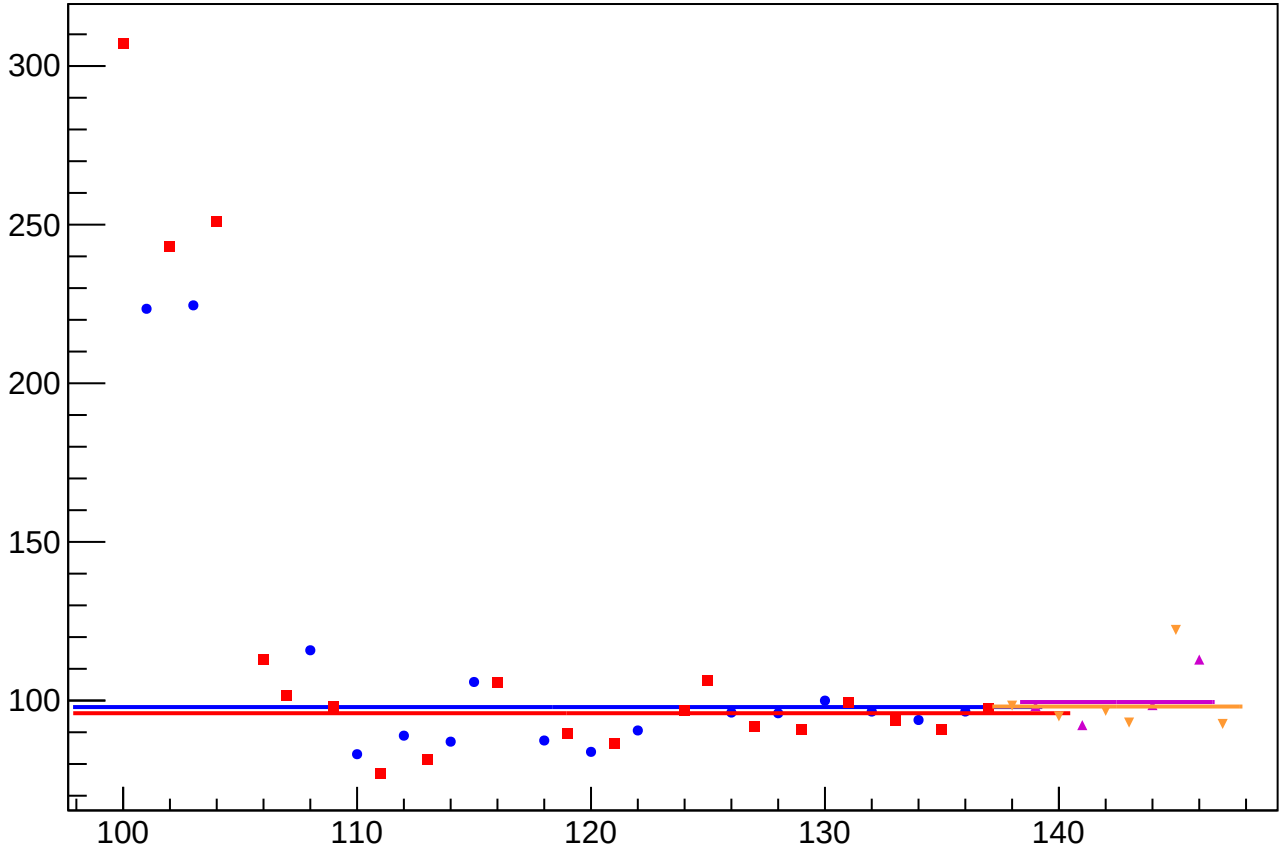
Left In: 3088.729+/-54.251 χ^2/NDF:3967.5/3

+ sign -4238.022+/-30.172 χ^2/NDF: 53820.3/21

All: -1220.260+/-21.585 χ^2/NDF: 88089.8/44

- sign 1943.212+/-30.892 χ^2/NDF: 13779.4/22

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.113+/-0.034 χ^2/NDF:72956.3/5

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

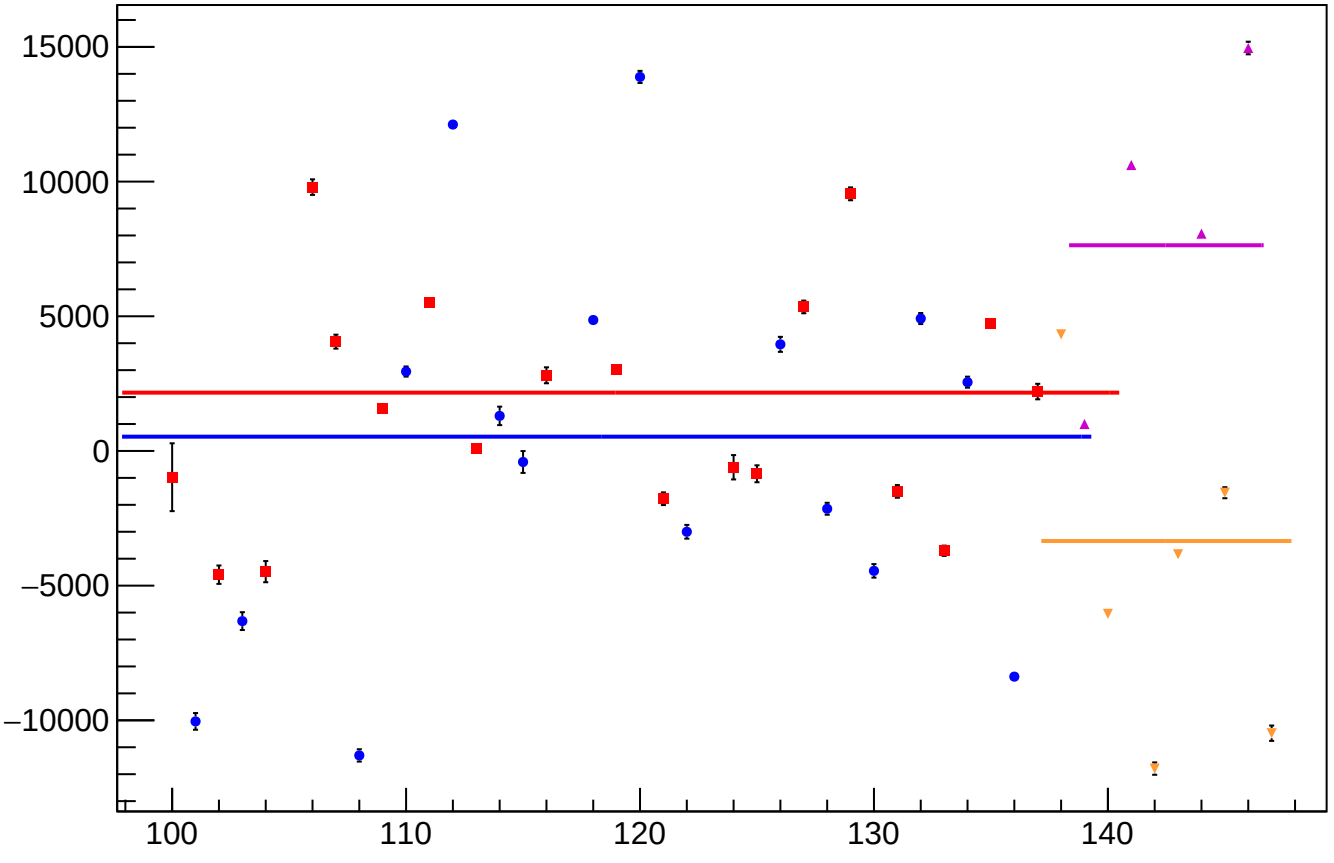
Left In: 99.533+/-0.038 χ^2/NDF:35499.1/3

+ sign 98.012+/-0.021 χ^2/NDF: 941119.8/21

All: 97.590+/-0.015 χ^2/NDF: 1995420.7/44

- sign 97.149+/-0.022 χ^2/NDF: 1053502.3/22

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3343.092+/-77.476 χ^2/NDF:4731.8/5

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

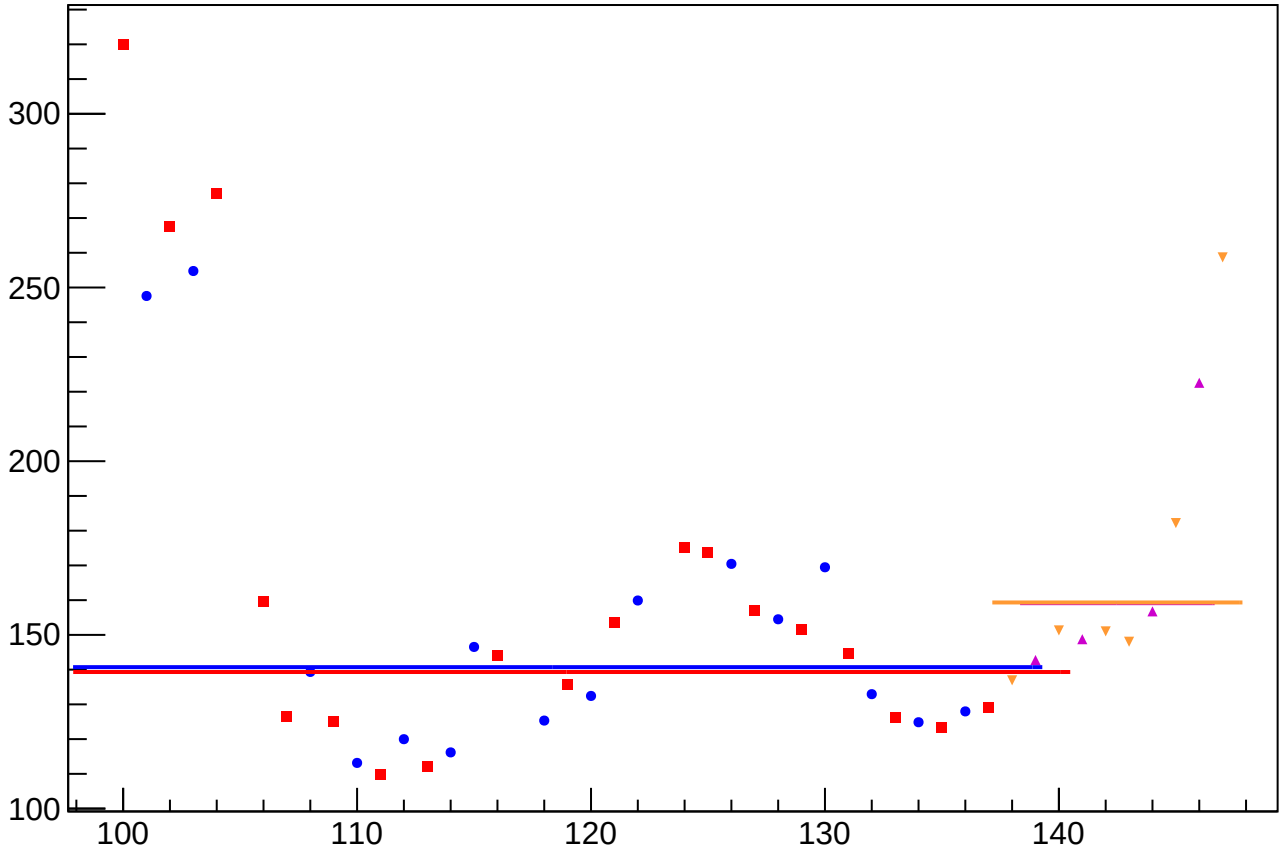
Left In: 7636.651+/-86.631 χ^2/NDF:3082.4/3

+ sign -762.883+/-44.769 χ^2/NDF: 24984.5/21

All: 1419.929+/-31.910 χ^2/NDF: 40755.1/44

- sign 3673.940+/-45.494 χ^2/NDF: 10938.7/22

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.335+/-0.055 χ^2/NDF:324653.7/5

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

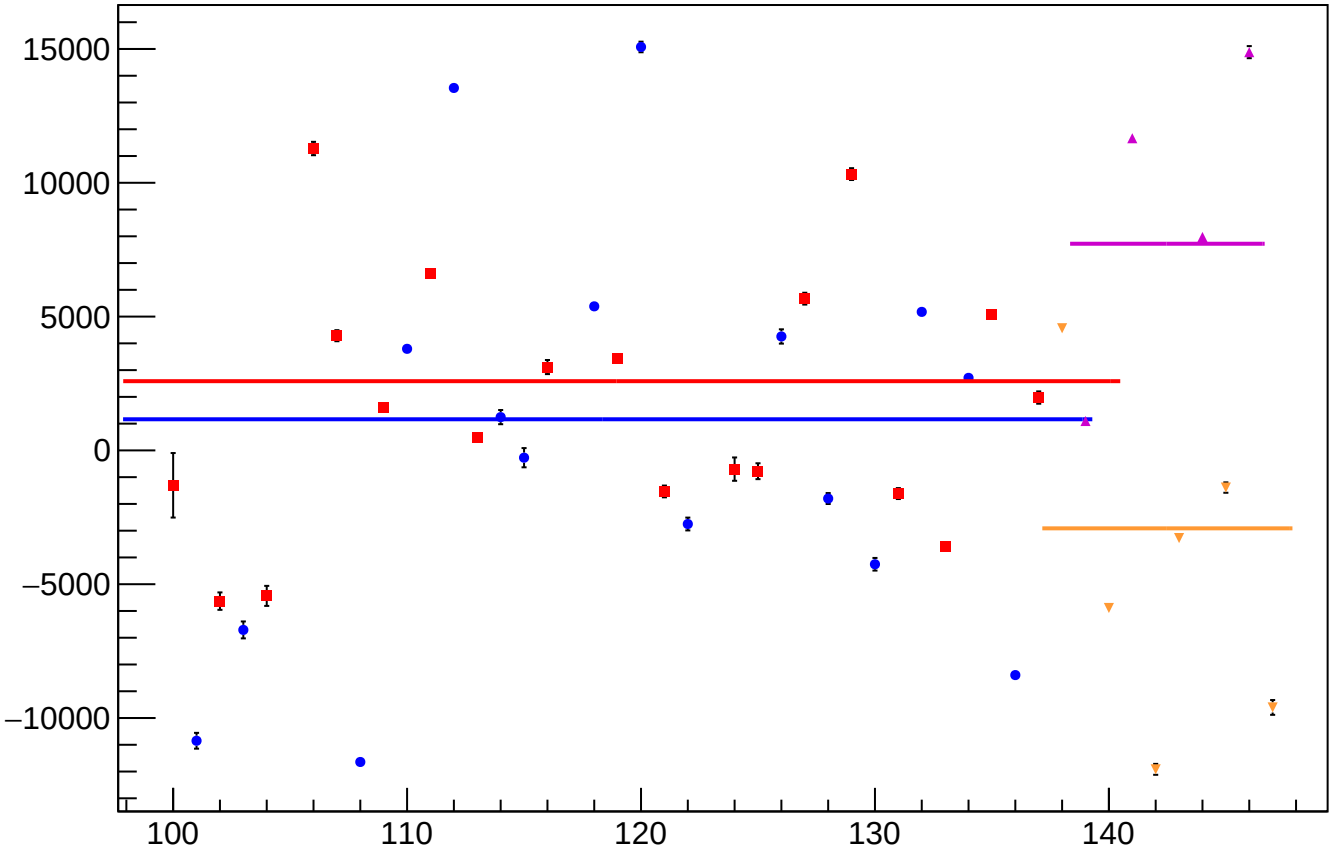
Left In: 159.131+/-0.061 χ^2/NDF:175568.0/3

+ sign 146.932+/-0.032 χ^2/NDF: 1077214.3/21

All: 145.874+/-0.023 χ^2/NDF: 2133144.6/44

- sign 144.781+/-0.032 χ^2/NDF: 1053658.6/22

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2912.798+/-69.148 χ^2/NDF:6092.2/5

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

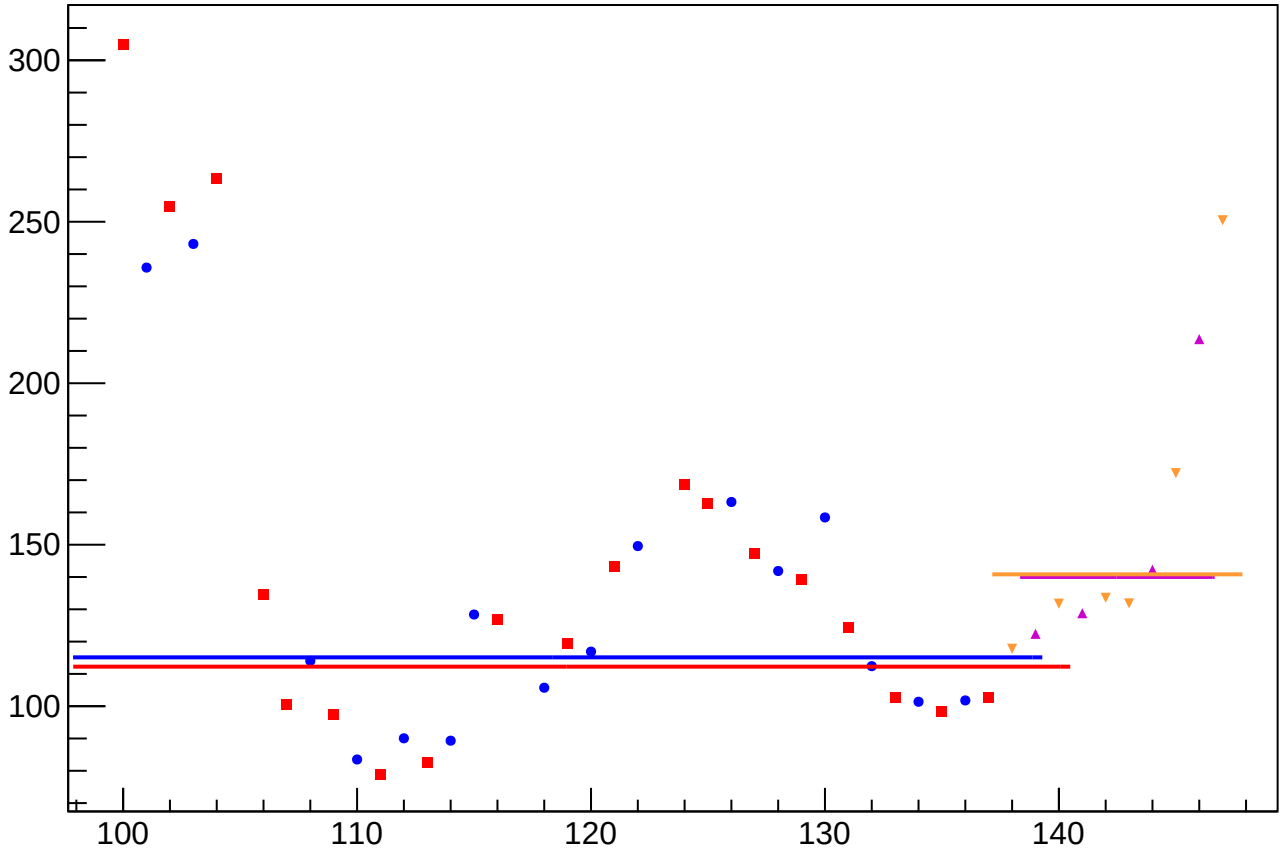
Left In: 7722.068+/-76.898 χ^2/NDF:4182.9/3

+ sign -84.766+/-38.259 χ^2/NDF: 39257.2/21

All: 1884.793+/-27.088 χ^2/NDF: 60203.8/44

- sign 3864.492+/-38.357 χ^2/NDF: 15632.6/22

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.829+/-0.049 χ^2/NDF:442494.2/5

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

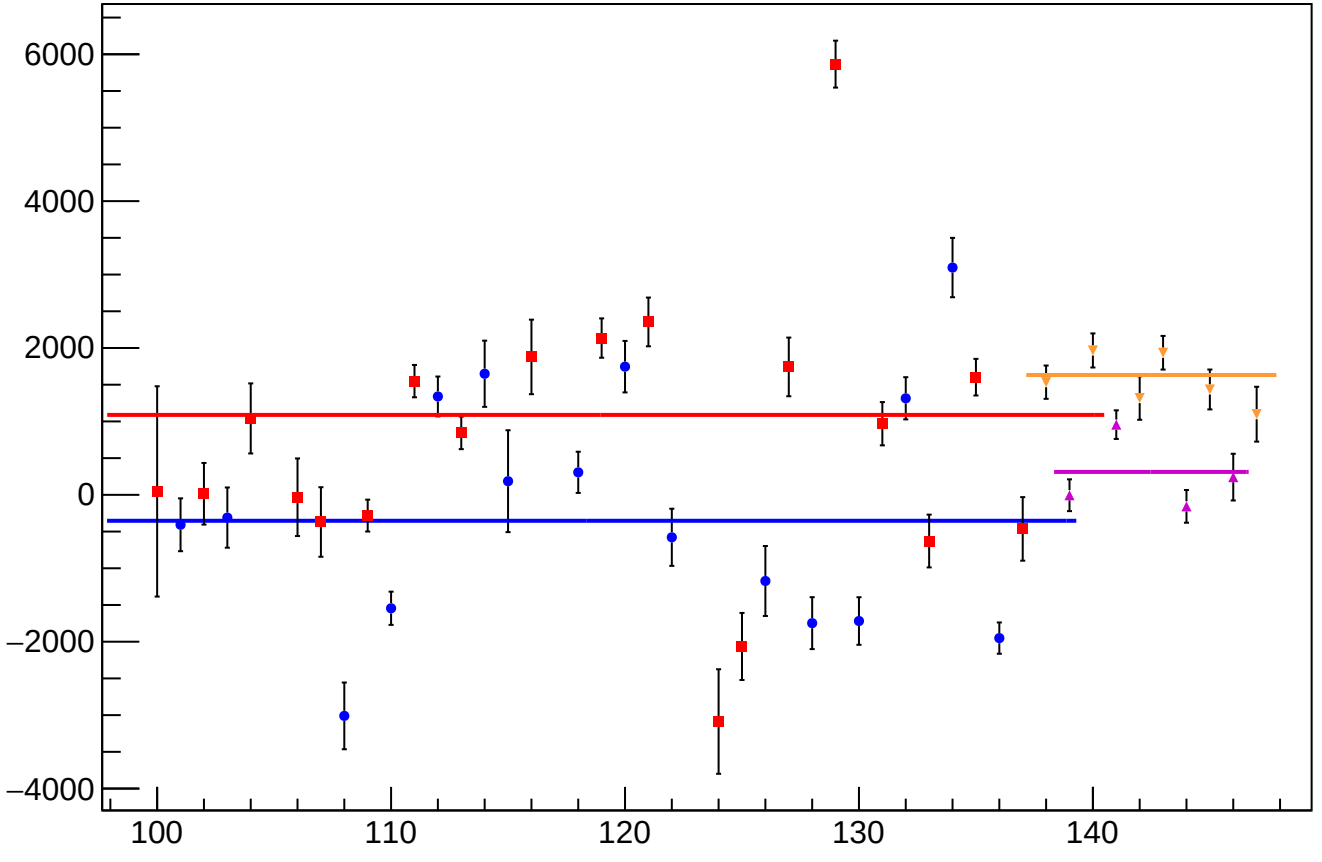
Left In: 140.032+/-0.054 χ^2/NDF:259290.6/3

+ sign 122.994+/-0.027 χ^2/NDF: 1747233.8/21

All: 121.080+/-0.019 χ^2/NDF: 3540941.4/44

- sign 119.156+/-0.027 χ^2/NDF: 1783667.8/22

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1632.191+/-105.903 χ^2/NDF:7.7/5

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

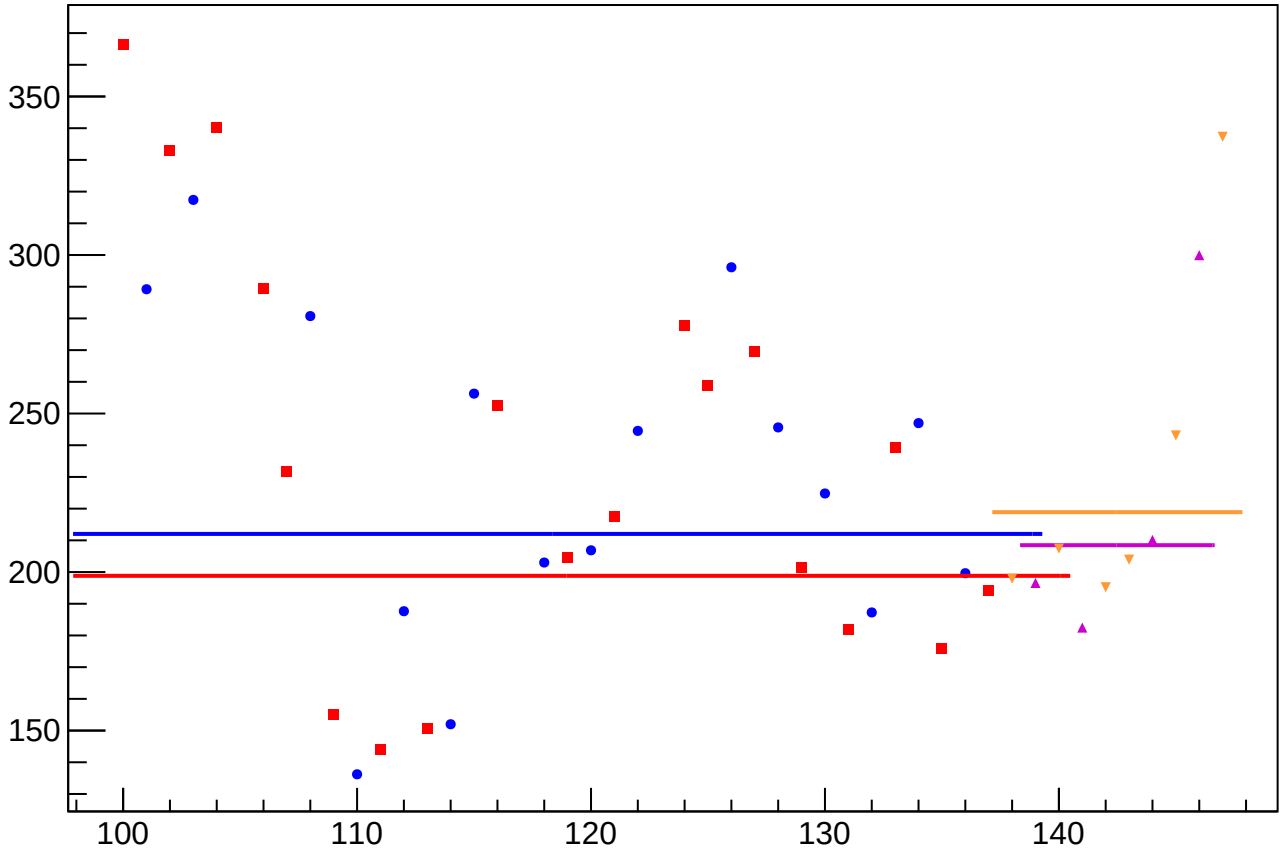
Left In: 312.234+/-113.459 χ^2/NDF:17.5/3

+ sign 392.543+/-64.903 χ^2/NDF: 589.0/21

All: 624.753+/-45.352 χ^2/NDF: 1110.9/44

- sign 846.310+/-63.397 χ^2/NDF: 496.9/22

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 218.889+/-0.075 χ^2/NDF:260104.4/5

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

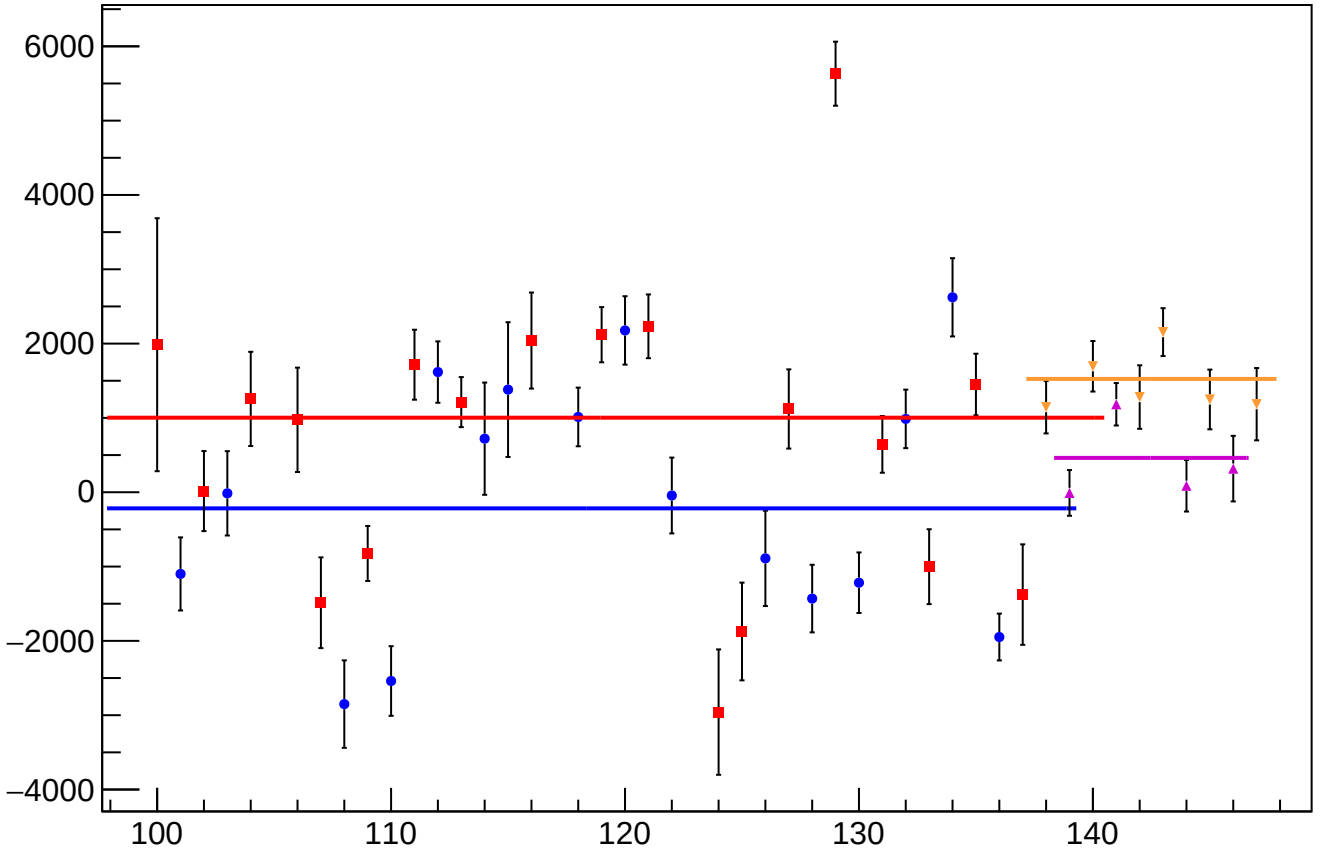
Left In: 208.472+/-0.080 χ^2/NDF:207093.1/3

+ sign 214.605+/-0.046 χ^2/NDF: 955705.3/21

All: 208.065+/-0.032 χ^2/NDF: 2187377.8/44

- sign 201.826+/-0.045 χ^2/NDF: 1191998.3/22

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1524.872+/-153.970 χ^2/NDF:6.5/5

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

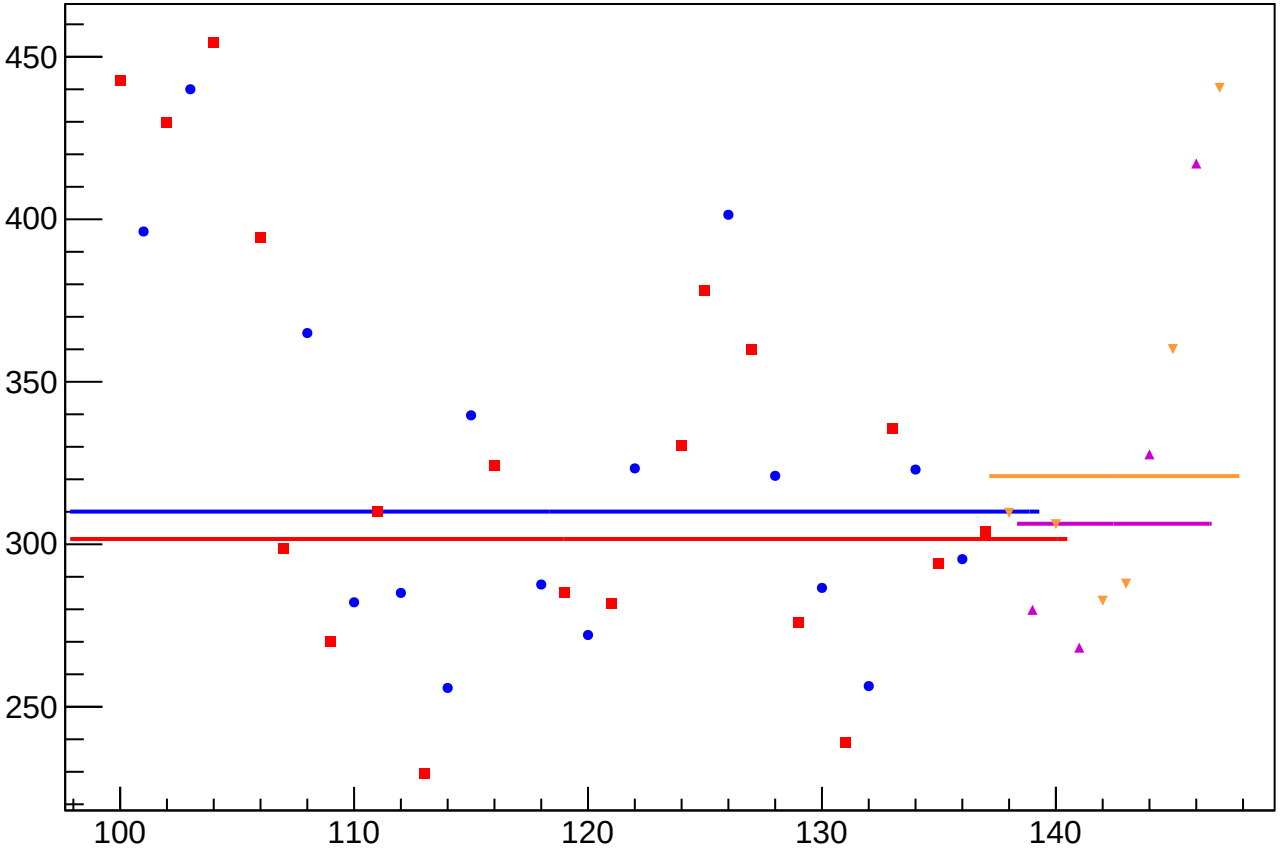
Left In: 462.210+/-166.076 χ^2/NDF:10.0/3

+ sign 426.775+/-93.602 χ^2/NDF: 279.4/21

All: 629.470+/-66.146 χ^2/NDF: 560.3/44

- sign 831.669+/-93.487 χ^2/NDF: 271.6/22

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 320.979+/-0.109 χ^2/NDF:182673.9/5

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

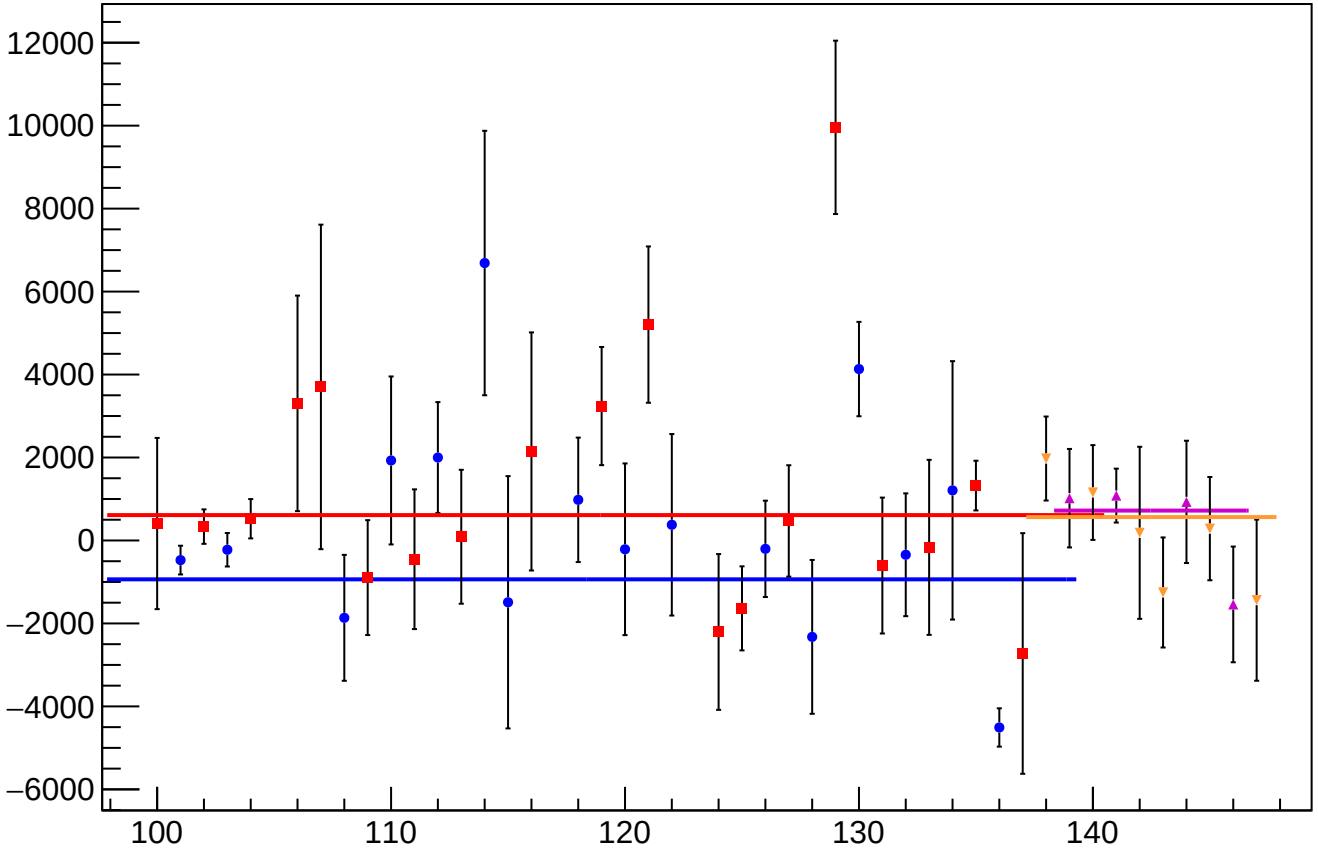
Left In: 306.324+/-0.117 χ^2/NDF:184220.3/3

+ sign 314.097+/-0.066 χ^2/NDF: 512296.2/21

All: 308.603+/-0.047 χ^2/NDF: 1231256.7/44

- sign 303.122+/-0.066 χ^2/NDF: 705197.7/22

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 563.939+/-538.141 χ^2/NDF:5.2/5

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

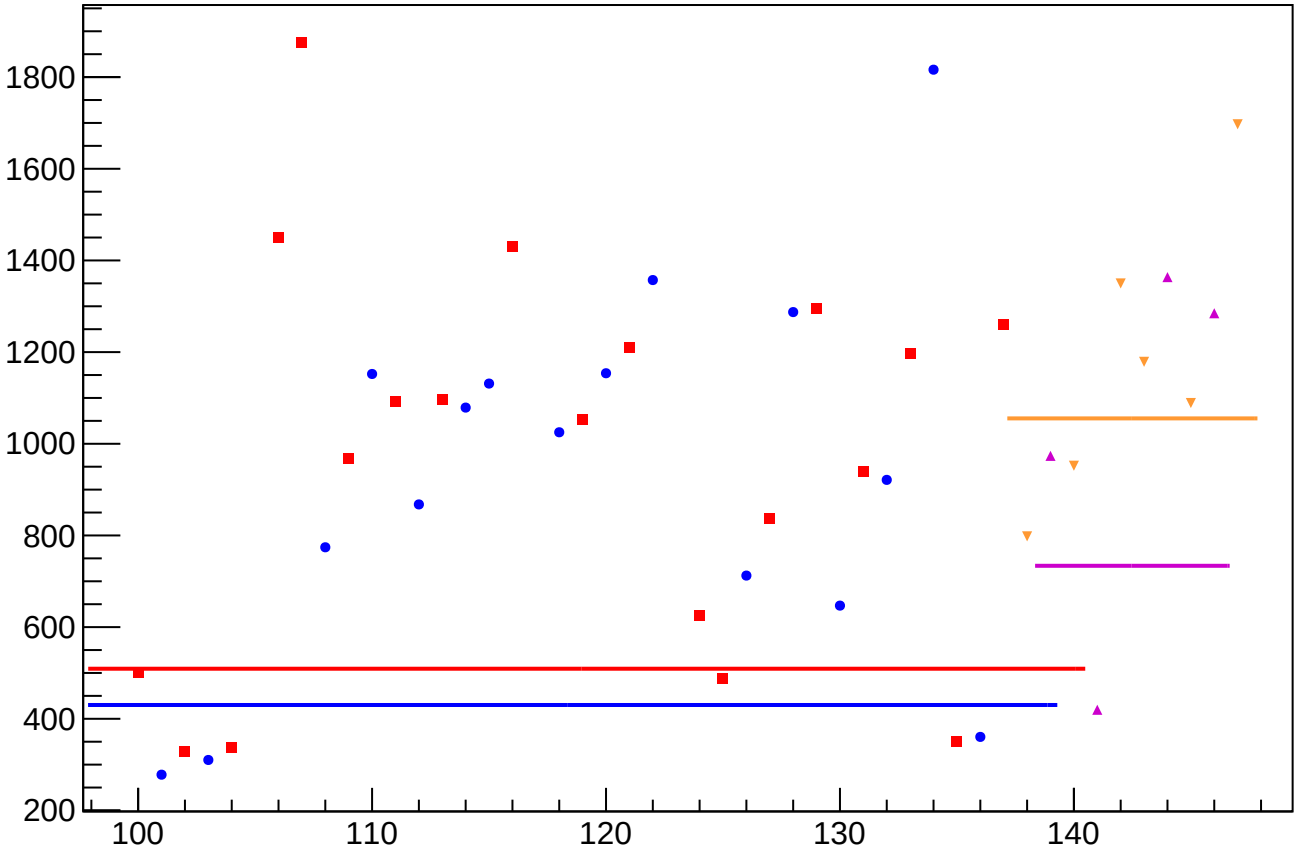
Left In: 720.628+/-496.859 χ^2/NDF:3.0/3

+ sign -747.206+/-191.339 χ^2/NDF: 113.2/21

All: -125.345+/-141.759 χ^2/NDF: 183.8/44

- sign 631.330+/-211.063 χ^2/NDF: 47.2/22

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1055.383+/-0.381 χ^2/NDF:422897.9/5

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

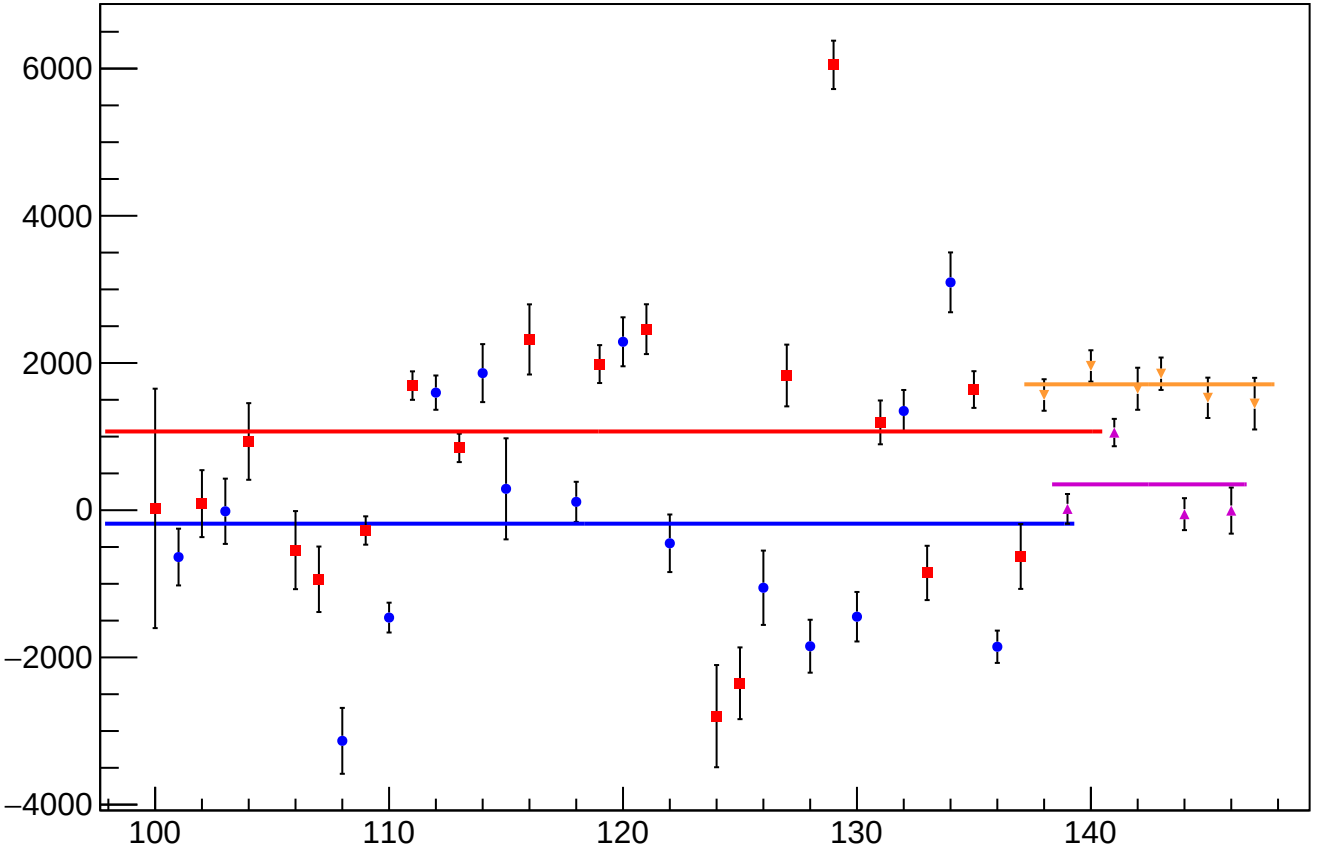
Left In: 733.812+/-0.351 χ^2/NDF:1225934.6/3

+ sign 509.158+/-0.135 χ^2/NDF: 6303495.9/21

All: 527.474+/-0.100 χ^2/NDF: 11578346.6/44

- sign 549.761+/-0.149 χ^2/NDF: 5234223.4/22

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1710.249+/-100.935 χ^2/NDF:3.3/5

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

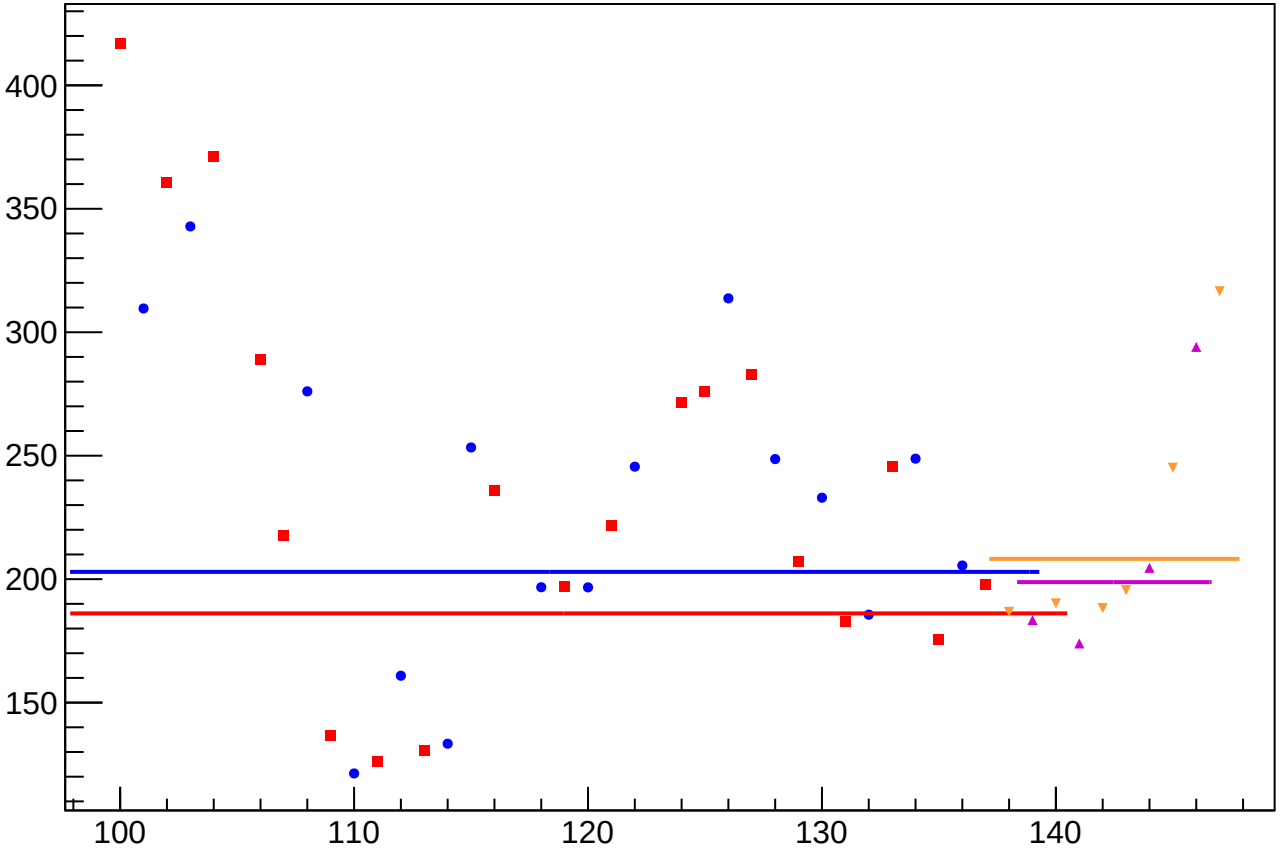
Left In: 351.120+/-108.612 χ^2/NDF:21.8/3

+ sign 545.918+/-62.629 χ^2/NDF: 637.4/21

All: 700.775+/-43.558 χ^2/NDF: 1193.4/44

- sign 845.862+/-60.621 χ^2/NDF: 544.2/22

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 208.217+/-0.071 χ^2/NDF:277950.7/5

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

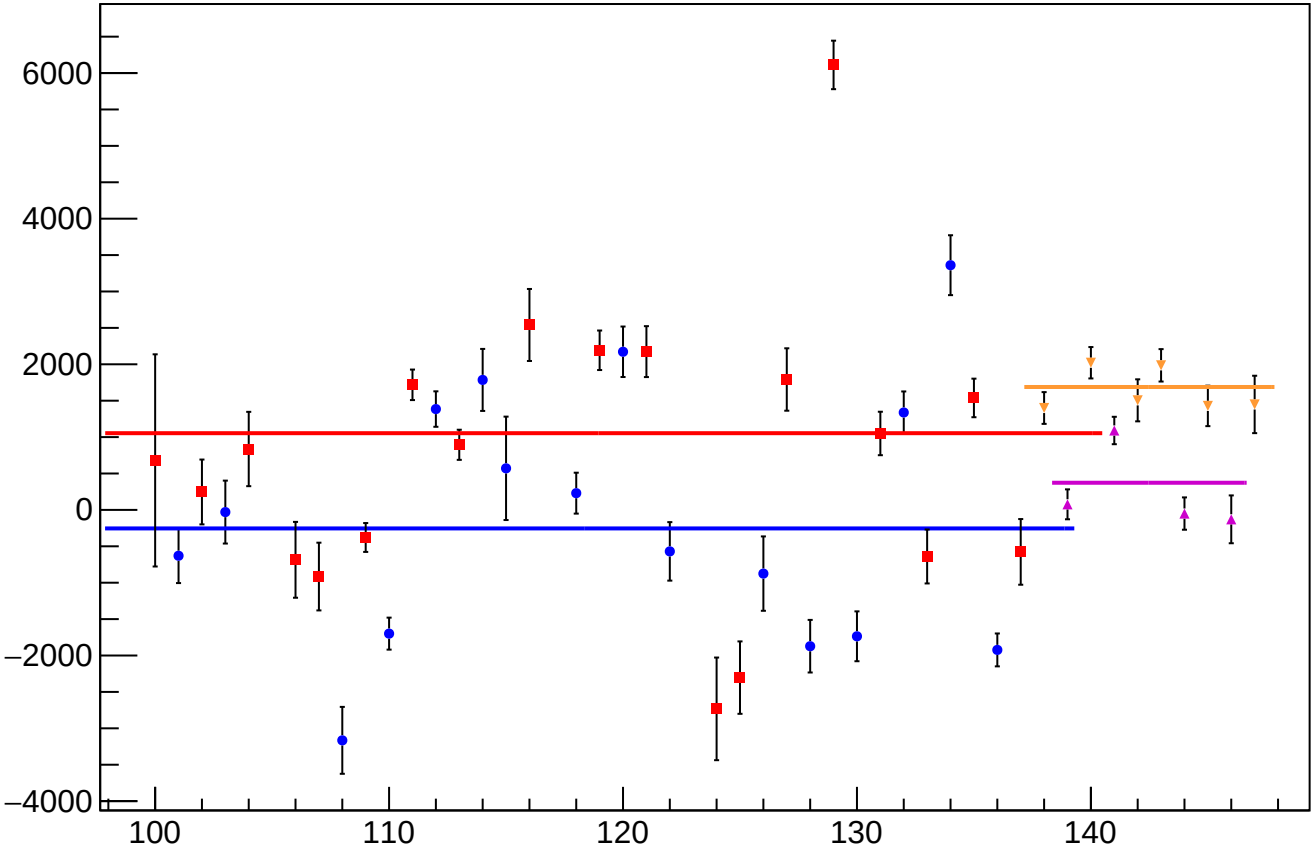
Left In: 198.800+/-0.077 χ^2/NDF:233422.8/3

+ sign 204.972+/-0.044 χ^2/NDF: 1353169.6/21

All: 197.282+/-0.031 χ^2/NDF: 3145409.8/44

- sign 190.076+/-0.043 χ^2/NDF: 1733826.6/22

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1688.181+/-103.093 χ^2/NDF:7.6/5

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

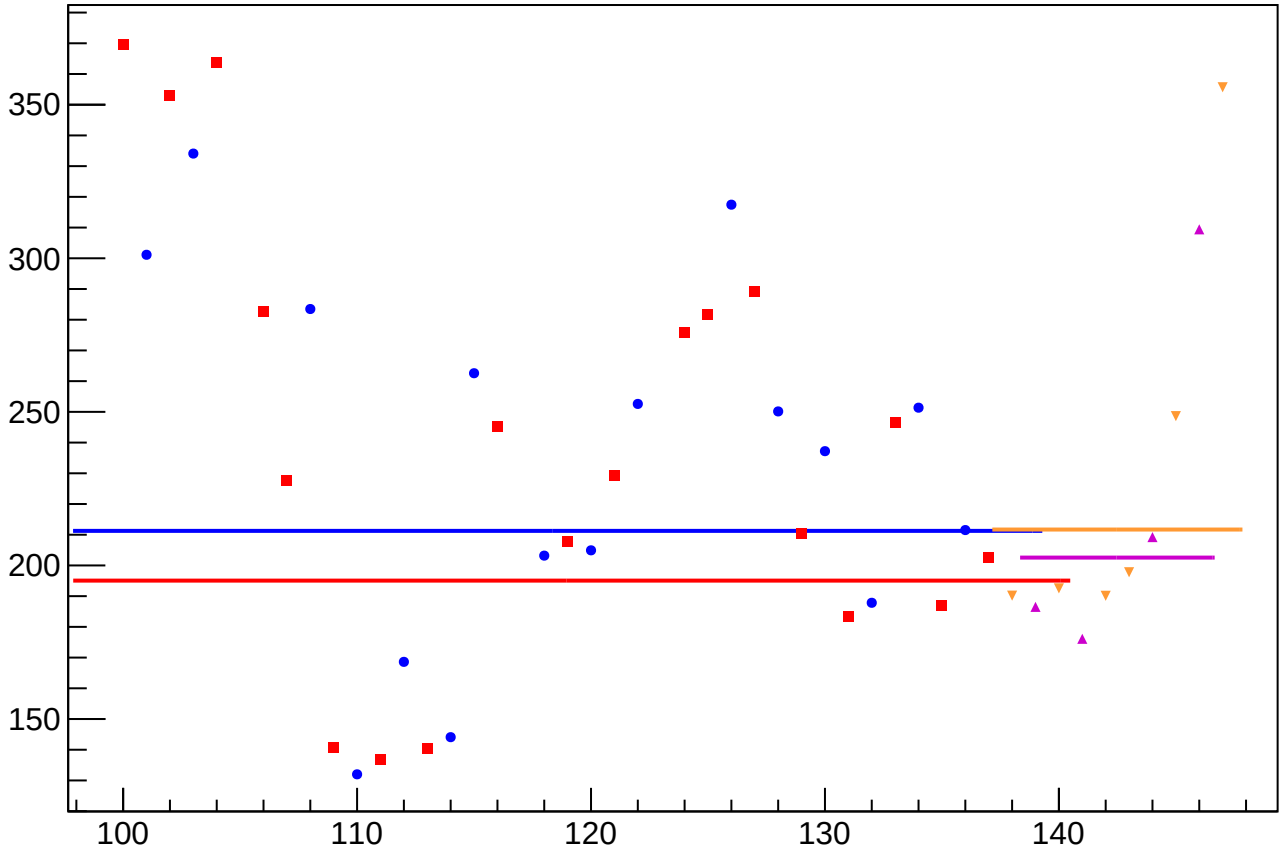
Left In: 372.902+/-110.791 χ^2/NDF:22.6/3

+ sign 503.811+/-64.409 χ^2/NDF: 633.3/21

All: 674.487+/-44.911 χ^2/NDF: 1172.9/44

- sign 835.992+/-62.654 χ^2/NDF: 525.9/22

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 211.688+/-0.073 χ^2/NDF:356327.8/5

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

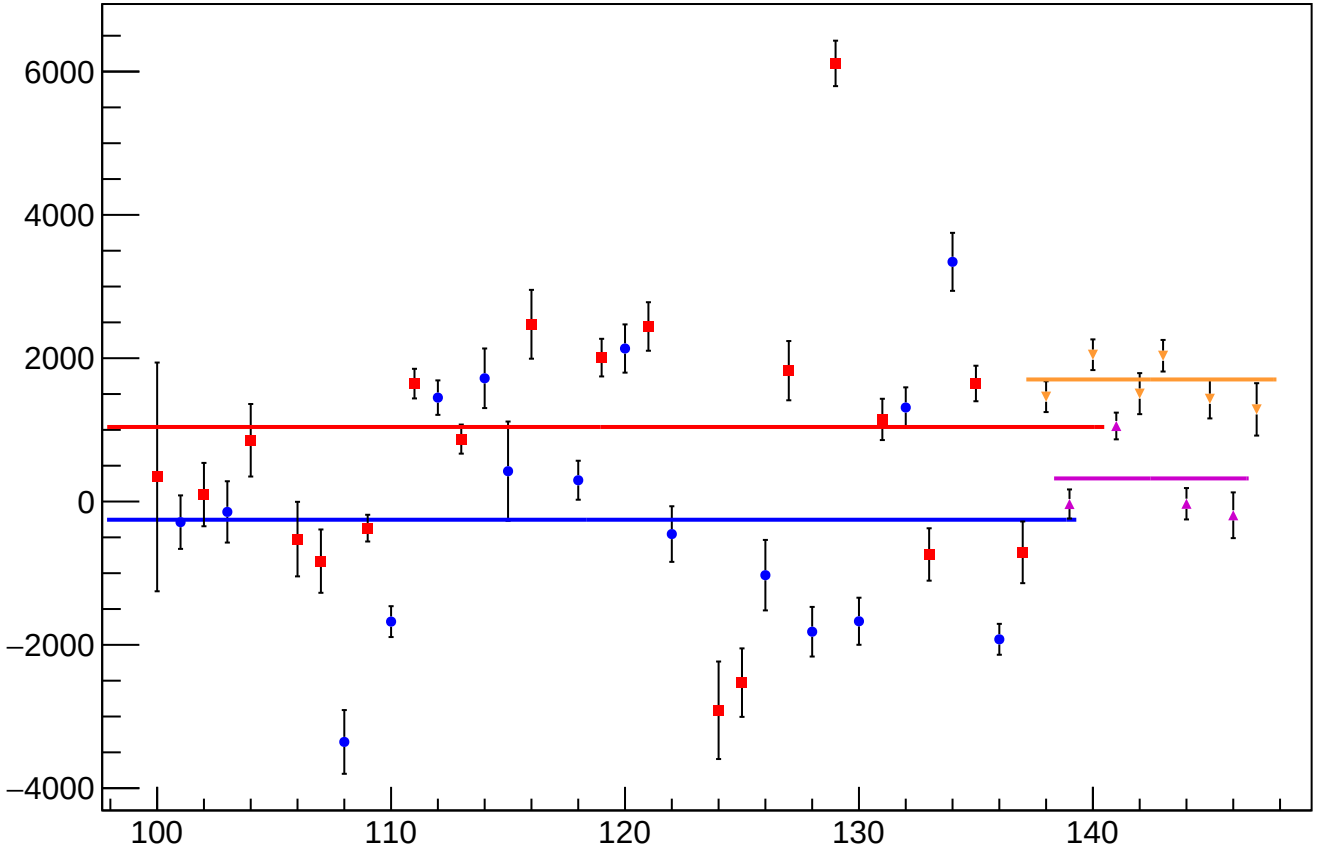
Left In: 202.554+/-0.078 χ^2/NDF:265108.4/3

+ sign 211.423+/-0.046 χ^2/NDF: 1240713.0/21

All: 204.247+/-0.032 χ^2/NDF: 2845235.2/44

- sign 197.458+/-0.044 χ^2/NDF: 1556211.1/22

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1703.389+/-101.508 χ^2/NDF:8.9/5

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

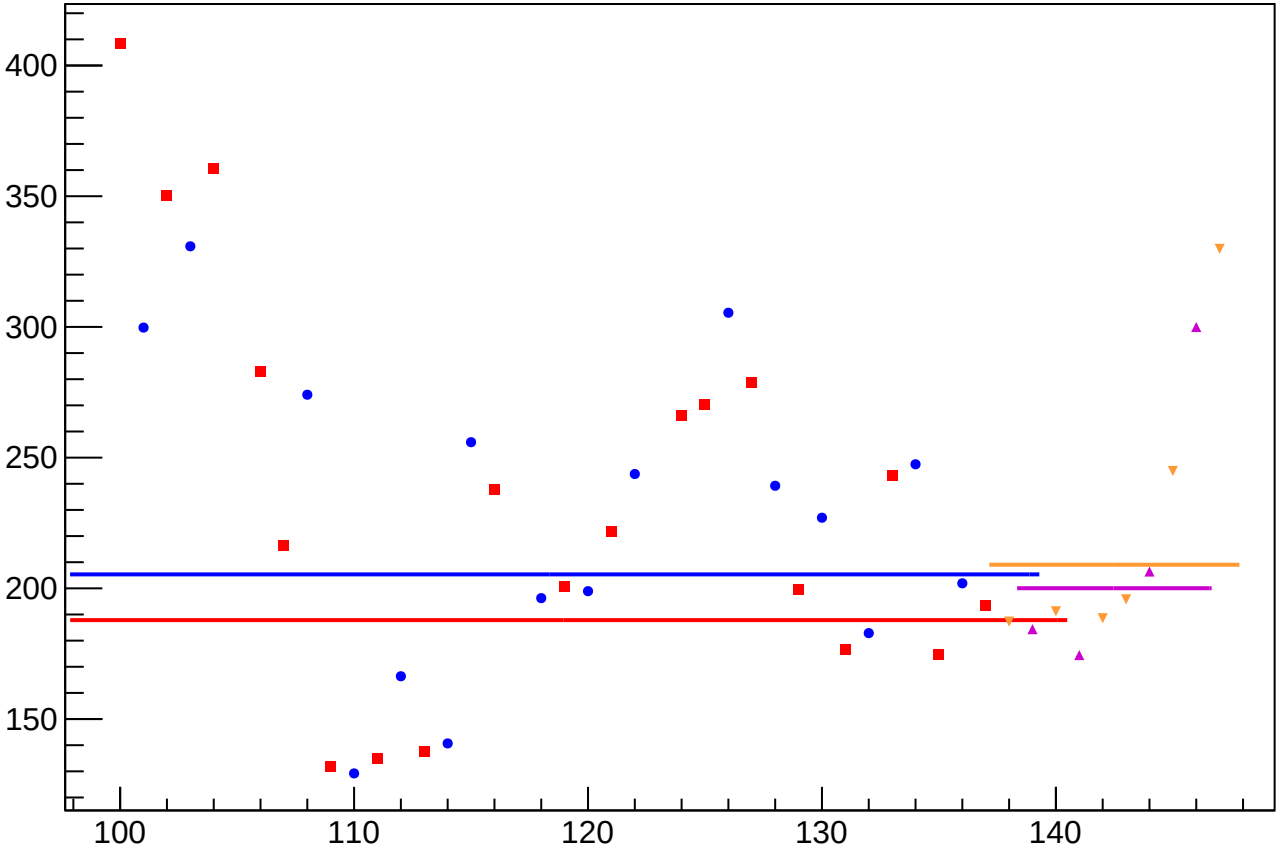
Left In: 322.328+/-109.349 χ^2/NDF:23.7/3

+ sign 498.502+/-62.940 χ^2/NDF: 669.8/21

All: 663.188+/-43.774 χ^2/NDF: 1269.9/44

- sign 817.484+/-60.922 χ^2/NDF: 586.8/22

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 209.032+/-0.072 χ^2/NDF:304552.6/5

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

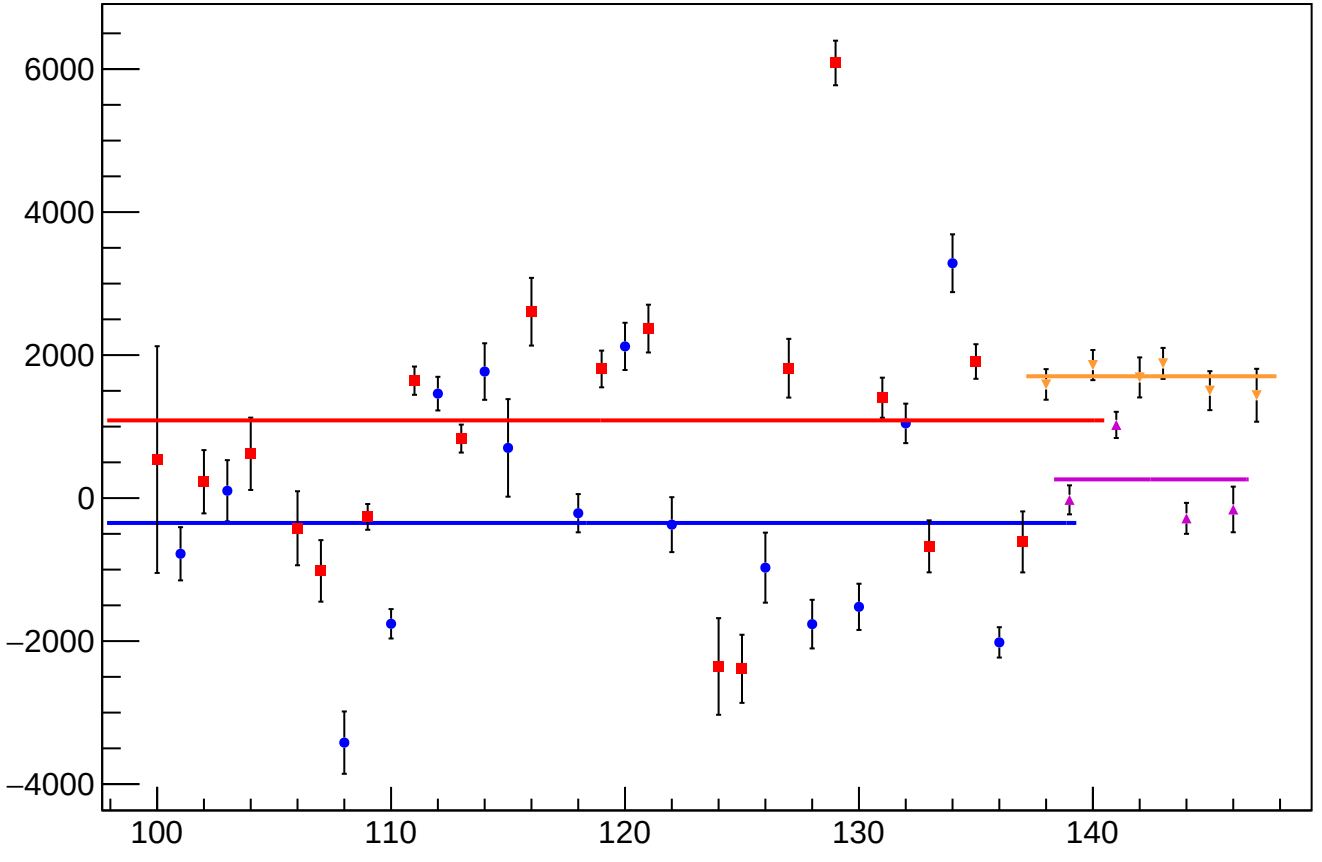
Left In: 200.050+/-0.077 χ^2/NDF:247289.9/3

+ sign 206.760+/-0.045 χ^2/NDF: 1183578.4/21

All: 198.952+/-0.031 χ^2/NDF: 2844714.5/44

- sign 191.636+/-0.043 χ^2/NDF: 1601511.1/22

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1703.963+/-100.409 χ^2/NDF:2.6/5

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

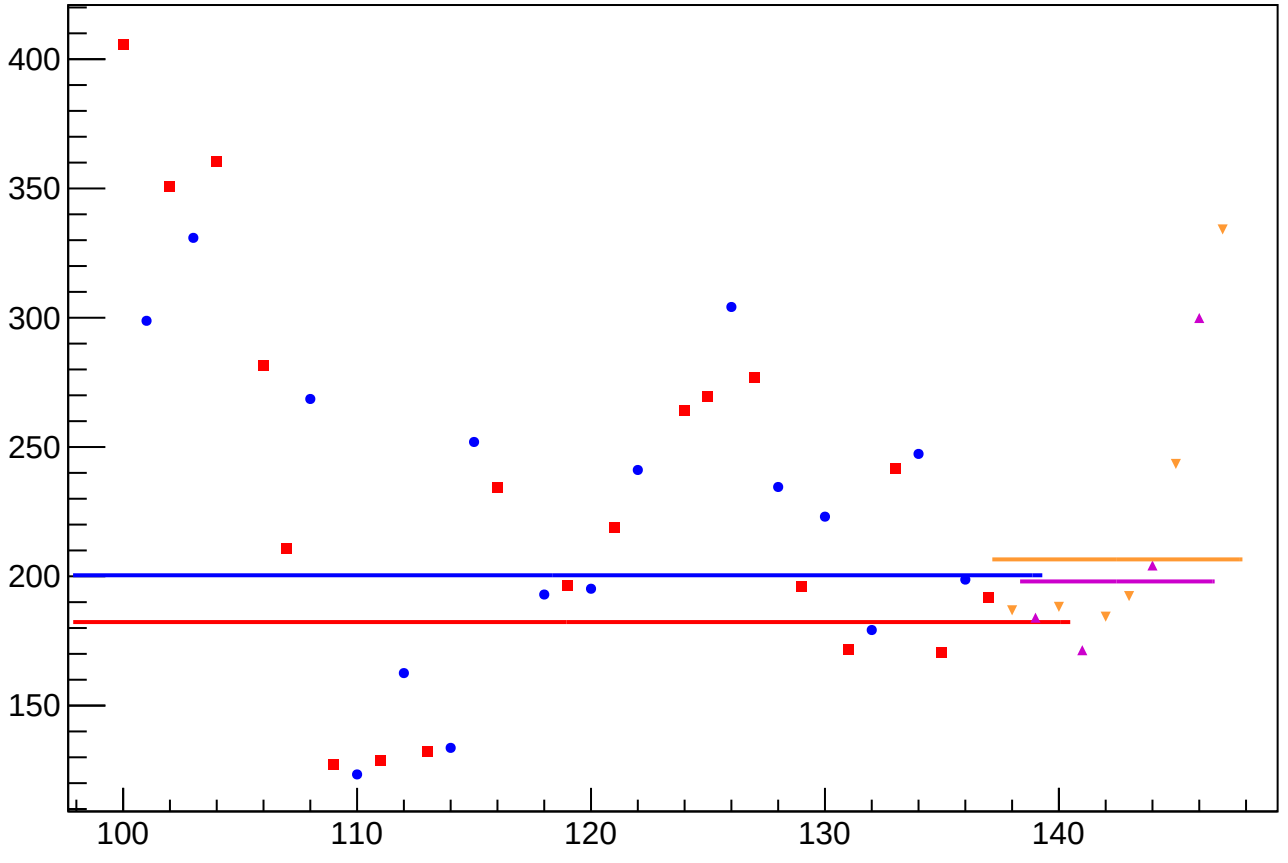
Left In: 261.624+/-108.319 χ^2/NDF:27.3/3

\+ sign 431.445+/-61.876 χ^2/NDF: 707.3/21

All: 641.016+/-42.961 χ^2/NDF: 1324.4/44

\- sign 836.070+/-59.695 χ^2/NDF: 594.9/22

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 206.541+/-0.071 χ^2/NDF:327545.3/5

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

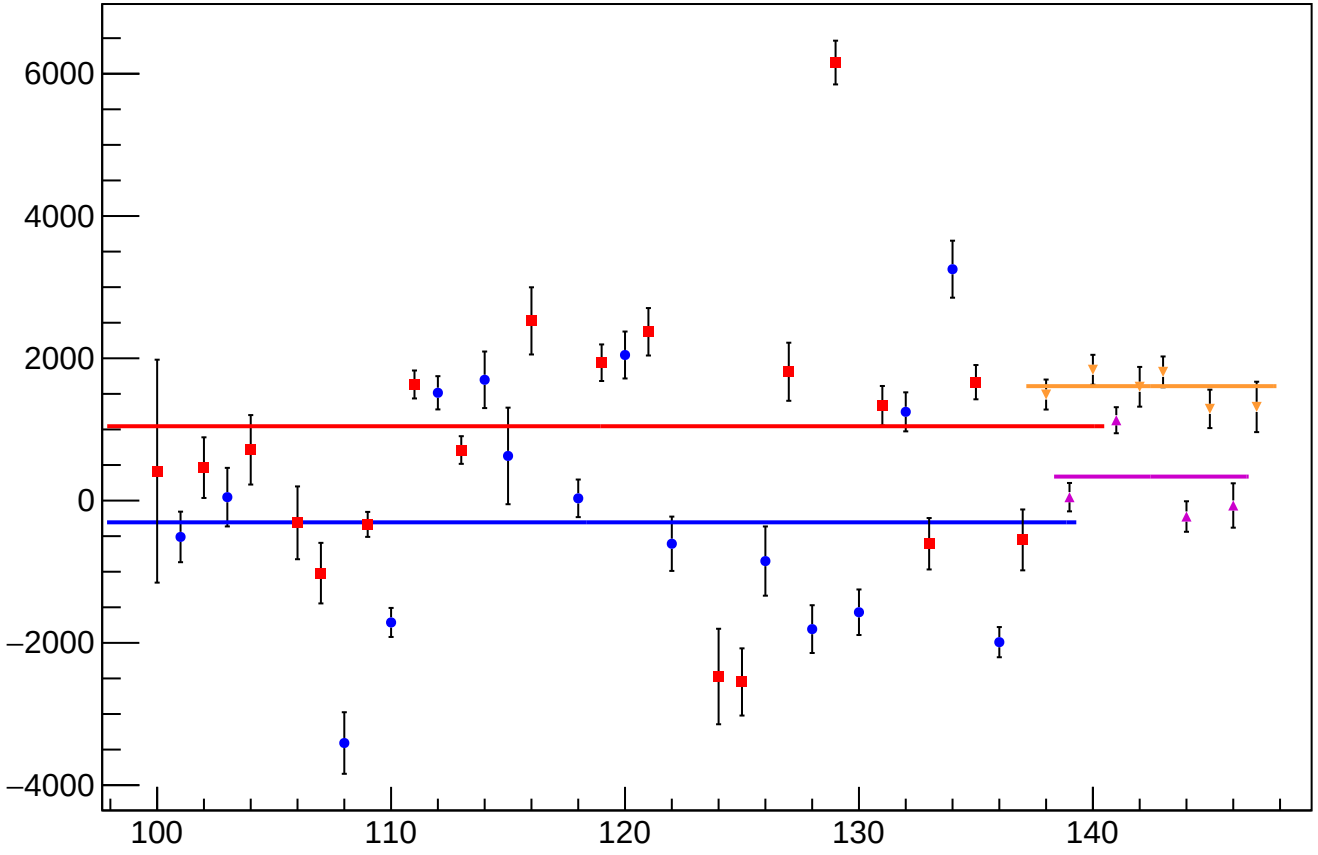
Left In: 198.015+/-0.077 χ^2/NDF:257364.3/3

+ sign 202.731+/-0.044 χ^2/NDF: 1291187.6/21

All: 194.622+/-0.030 χ^2/NDF: 3091382.2/44

- sign 187.074+/-0.042 χ^2/NDF: 1733868.7/22

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1608.610+/-99.542 χ^2/NDF:4.4/5

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

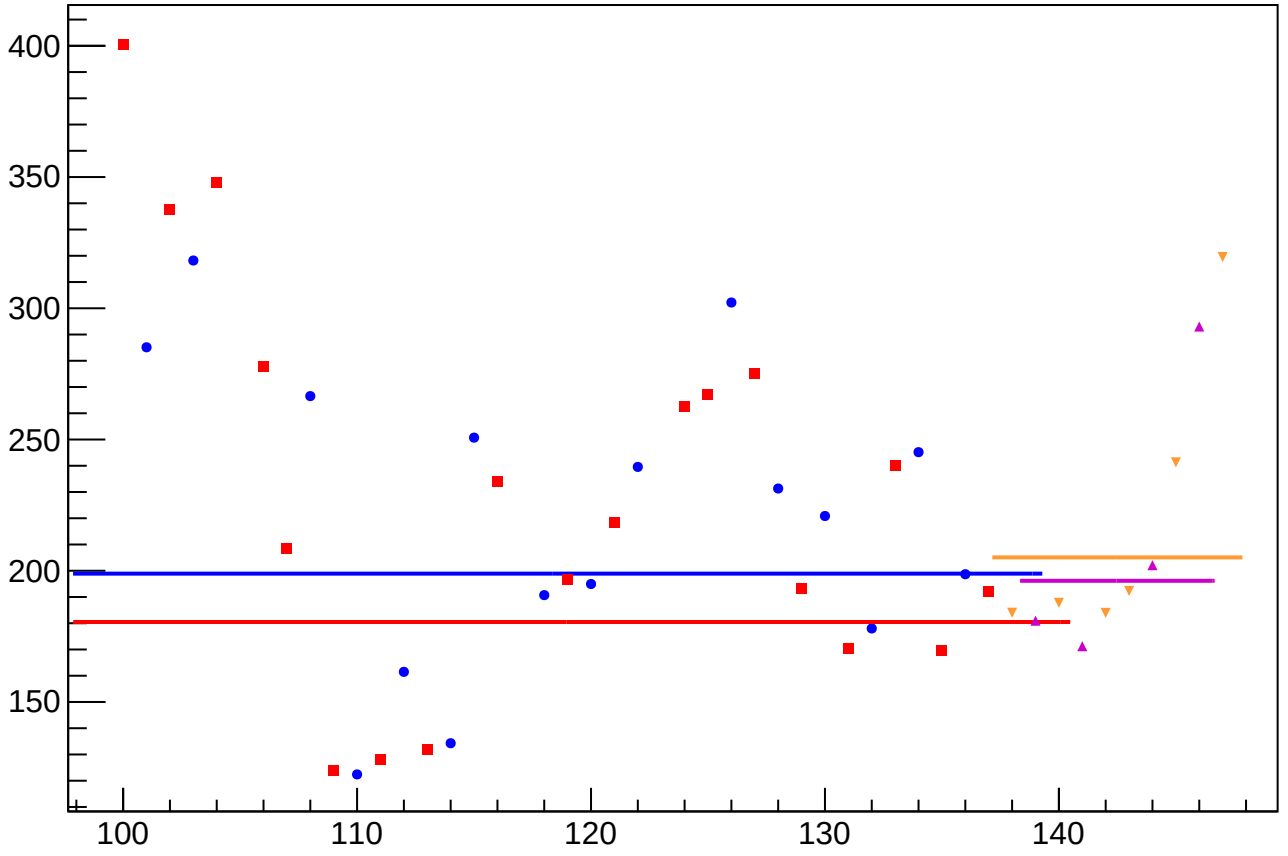
Left In: 337.320+/-107.252 χ^2/NDF:29.4/3

+ sign 421.062+/-61.332 χ^2/NDF: 685.7/21

All: 633.216+/-42.557 χ^2/NDF: 1320.6/44

- sign 830.214+/-59.101 χ^2/NDF: 611.9/22

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 205.086+/-0.070 χ^2/NDF:296691.5/5

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

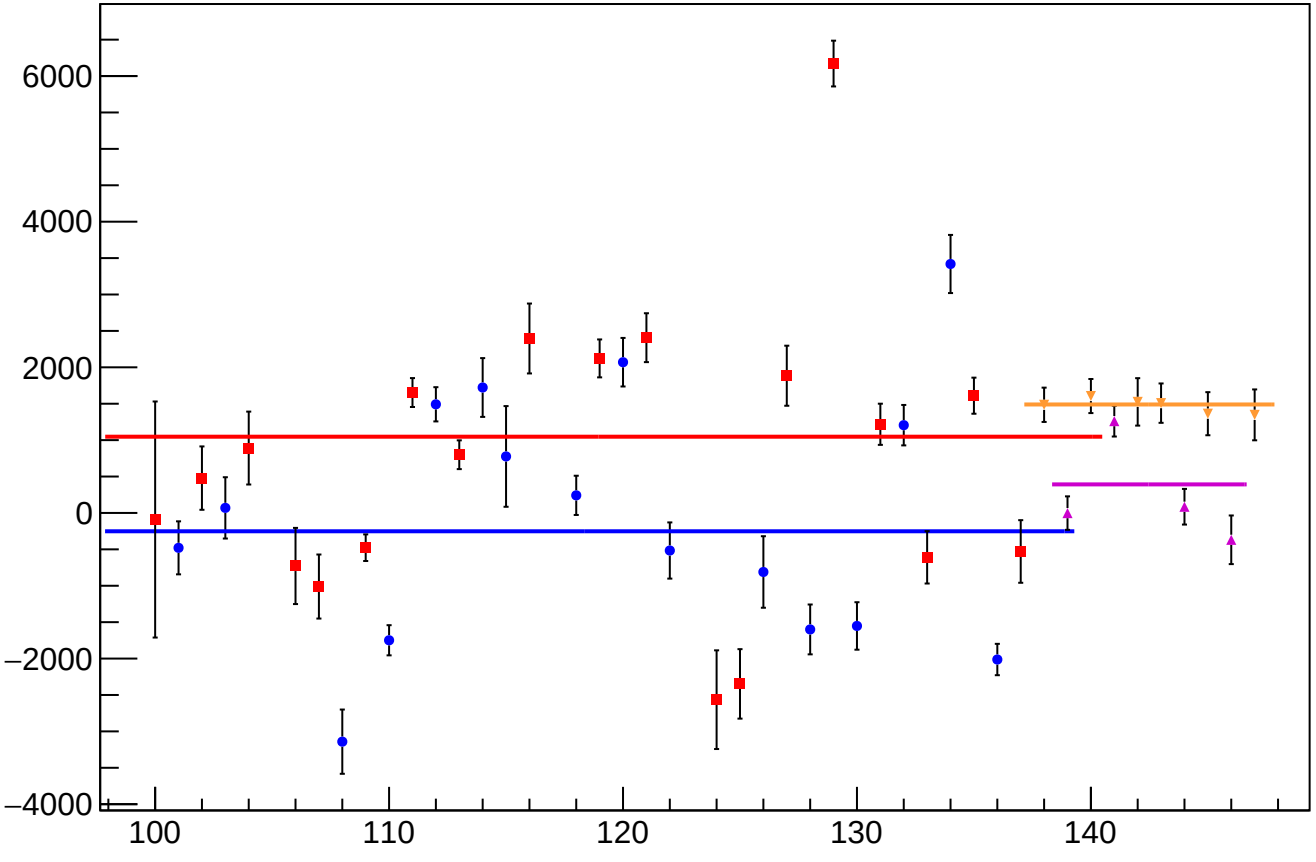
Left In: 196.170+/-0.076 χ^2/NDF:243003.7/3

+ sign 201.250+/-0.043 χ^2/NDF: 1214244.7/21

All: 192.948+/-0.030 χ^2/NDF: 2992190.6/44

- sign 185.239+/-0.042 χ^2/NDF: 1707271.3/22

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1489.719+/-112.505 χ^2/NDF:0.6/5

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

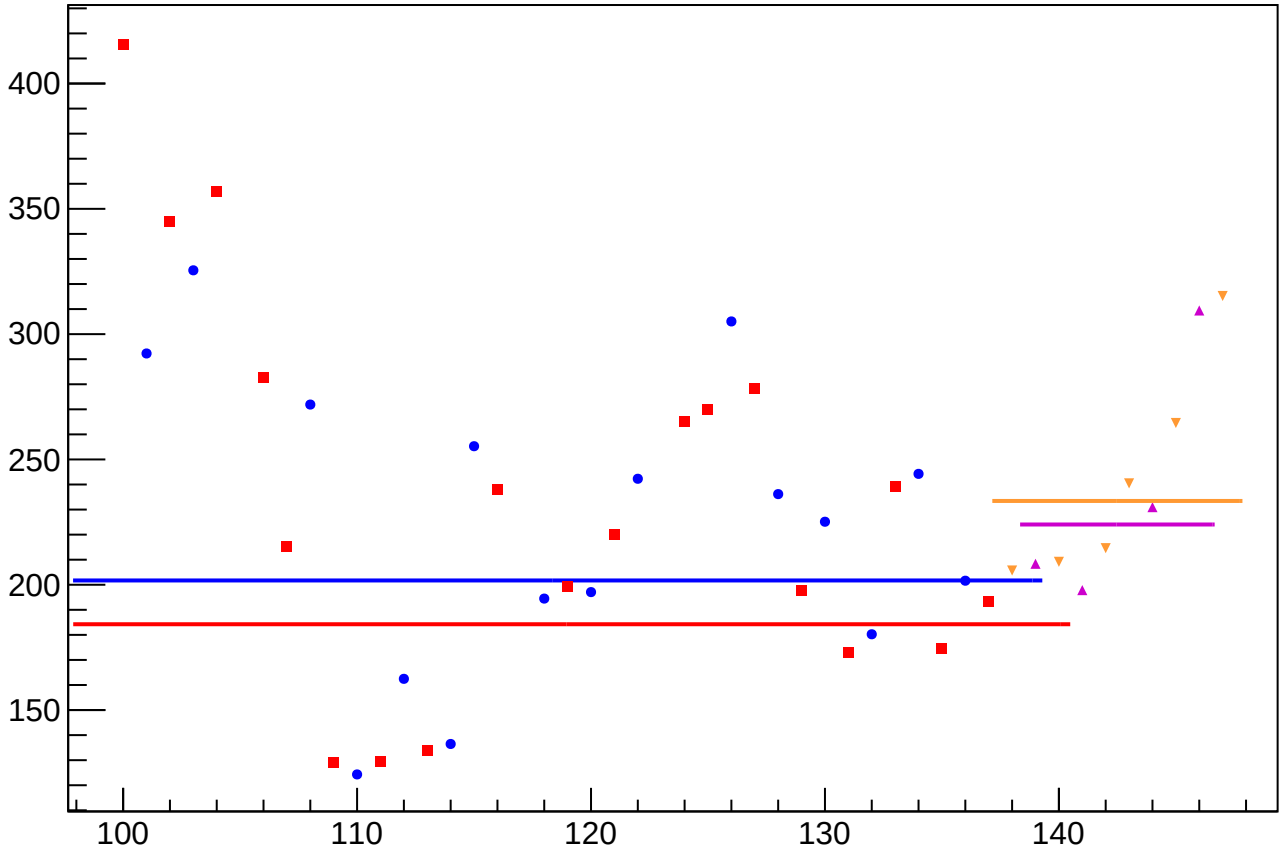
Left In: 392.099+/-122.262 χ^2/NDF:26.6/3

+ sign 323.073+/-64.638 χ^2/NDF: 602.4/21

All: 611.263+/-44.805 χ^2/NDF: 1235.2/44

- sign 877.800+/-62.163 χ^2/NDF: 594.6/22

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 233.439+/-0.080 χ^2/NDF:189047.5/5

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

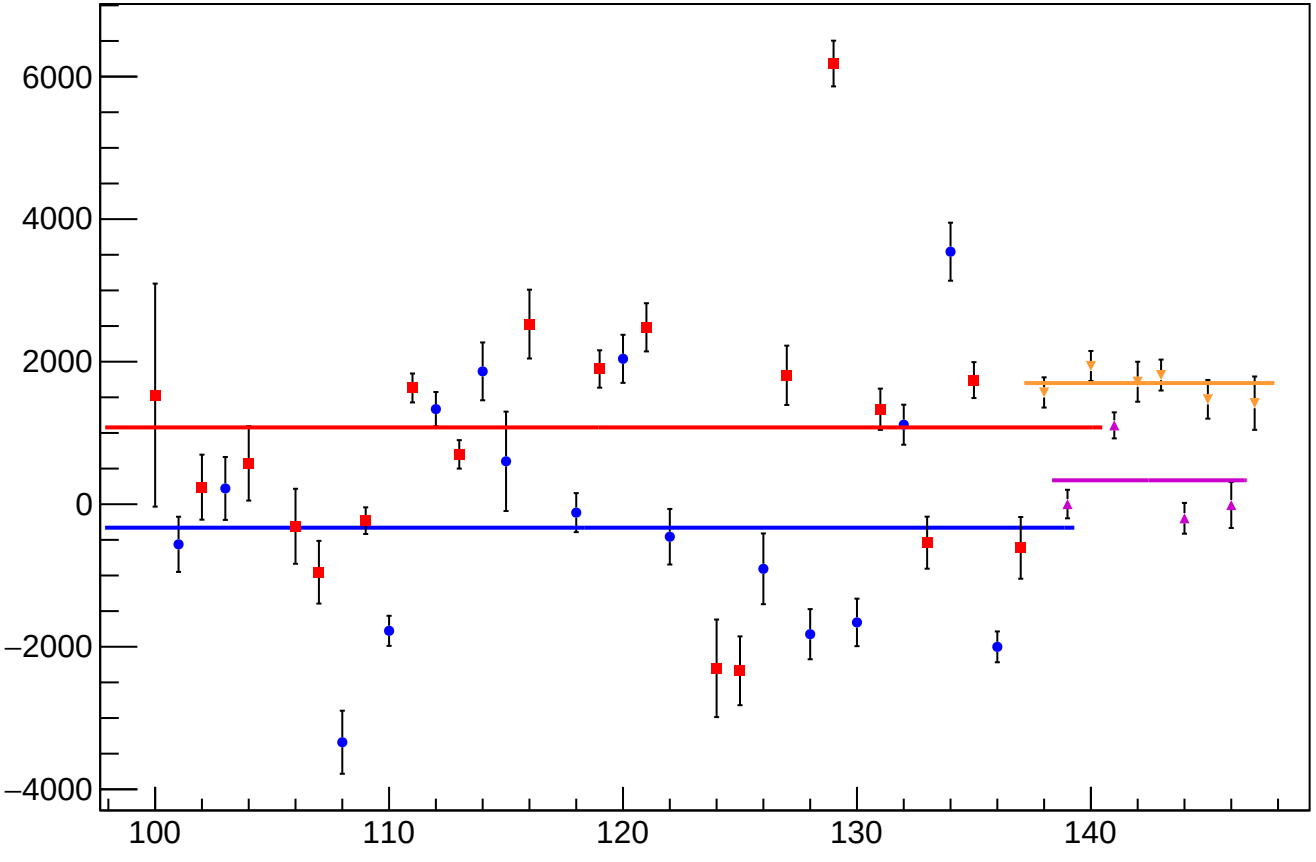
Left In: 224.044+/-0.086 χ^2/NDF:172277.1/3

+ sign 212.186+/-0.046 χ^2/NDF: 1219801.2/21

All: 203.015+/-0.032 χ^2/NDF: 3030496.5/44

- sign 194.533+/-0.044 χ^2/NDF: 1733193.9/22

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1700.032+/-100.230 χ^2/NDF:3.2/5

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

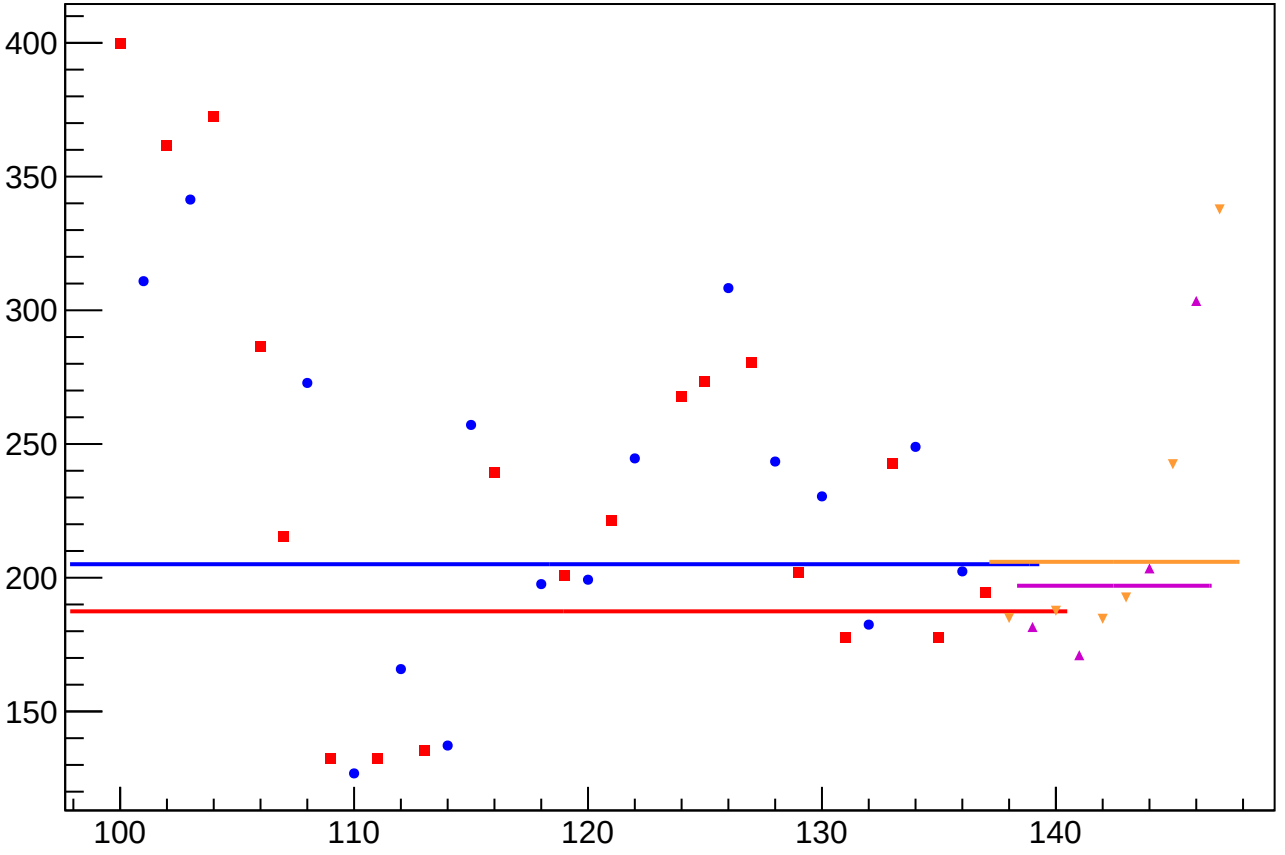
Left In: 335.546+/-107.904 χ^2/NDF:27.8/3

+ sign 464.792+/-62.700 χ^2/NDF: 689.2/21

All: 660.063+/-43.609 χ^2/NDF: 1270.1/44

- sign 843.027+/-60.692 χ^2/NDF: 562.1/22

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 205.945+/-0.071 χ^2/NDF:337986.4/5

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

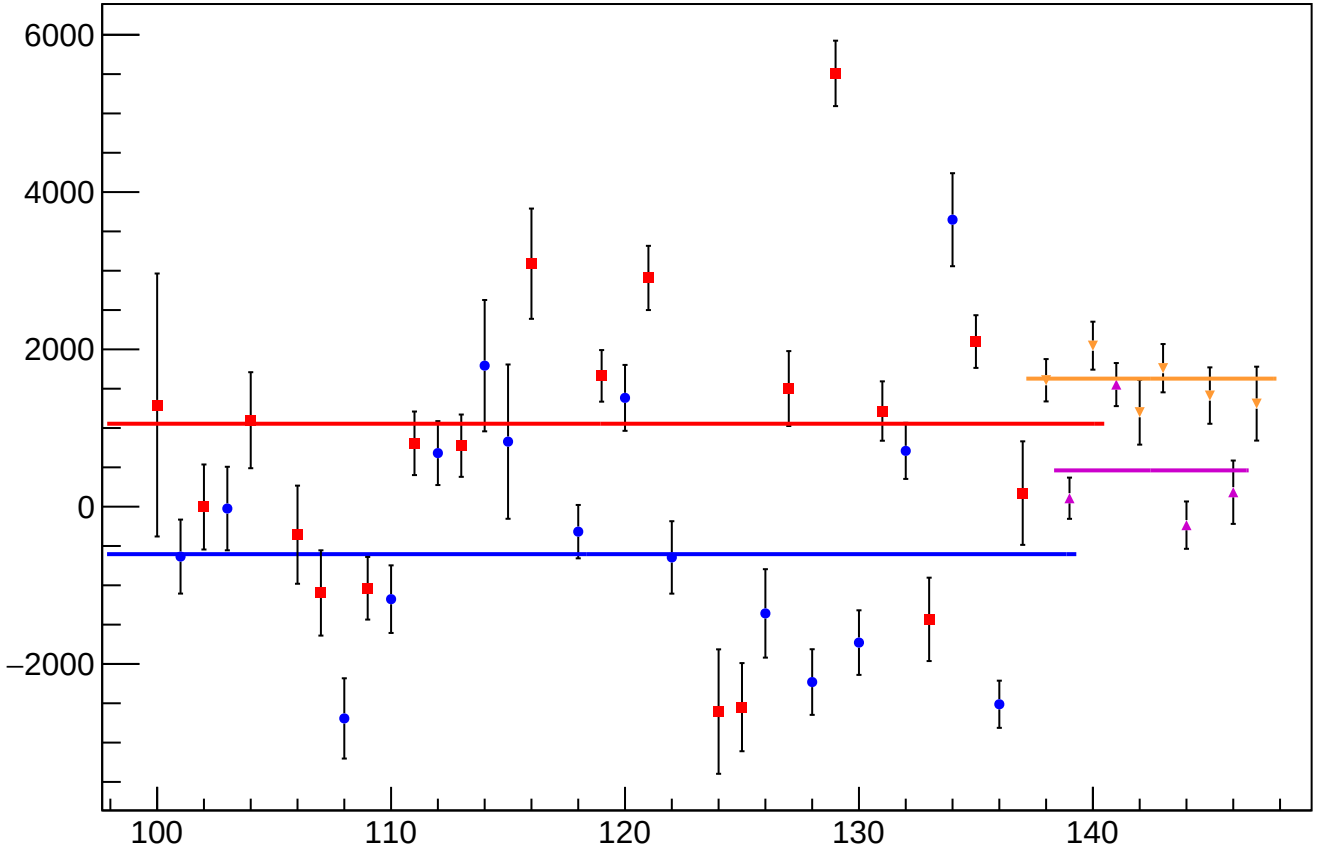
Left In: 197.004+/-0.076 χ^2/NDF:271752.6/3

+ sign 205.402+/-0.044 χ^2/NDF: 1301134.9/21

All: 197.688+/-0.031 χ^2/NDF: 3053092.7/44

- sign 190.460+/-0.043 χ^2/NDF: 1693314.8/22

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1628.053+/-136.912 χ^2/NDF:4.0/5

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

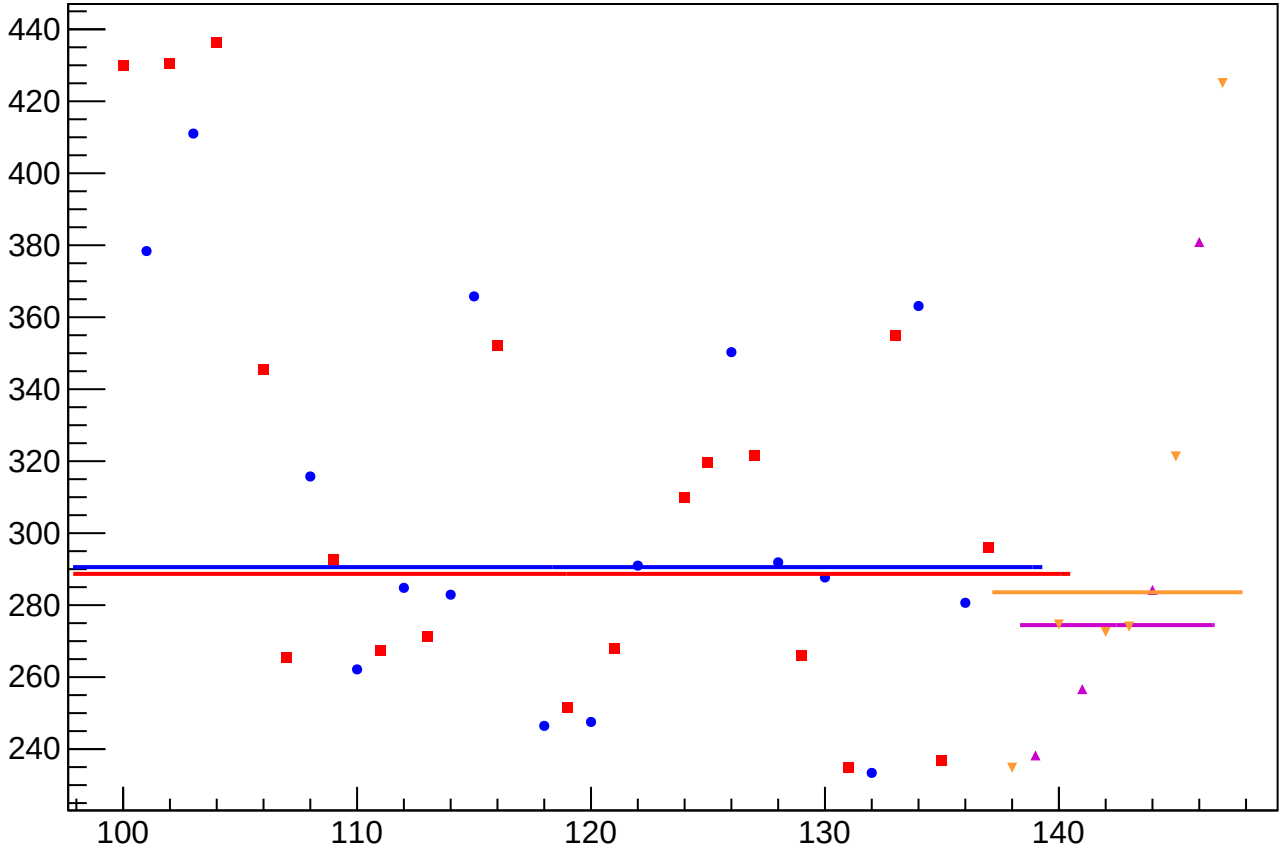
Left In: 461.280+/-148.939 χ^2/NDF:23.5/3

+ sign 278.376+/-86.079 χ^2/NDF: 358.2/21

All: 559.003+/-61.388 χ^2/NDF: 711.4/44

- sign 849.452+/-87.572 χ^2/NDF: 331.6/22

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 283.575+/-0.097 χ^2/NDF:274109.9/5

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

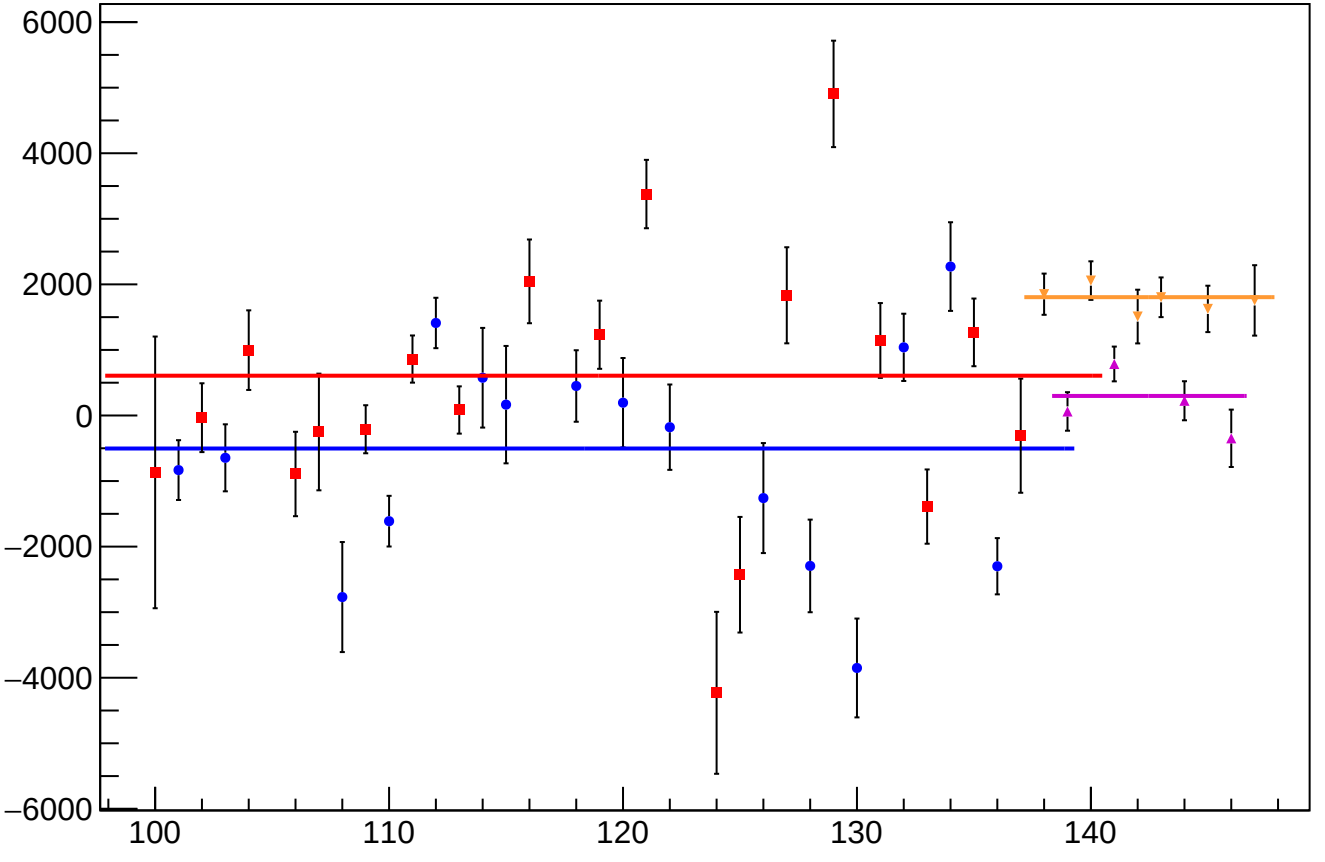
Left In: 274.458+/-0.105 χ^2/NDF:188395.1/3

+ sign 287.803+/-0.061 χ^2/NDF: 637070.3/21

All: 285.820+/-0.043 χ^2/NDF: 1328662.7/44

- sign 283.767+/-0.062 χ^2/NDF: 689431.9/22

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1804.715+/-141.404 χ^2/NDF:1.5/5

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

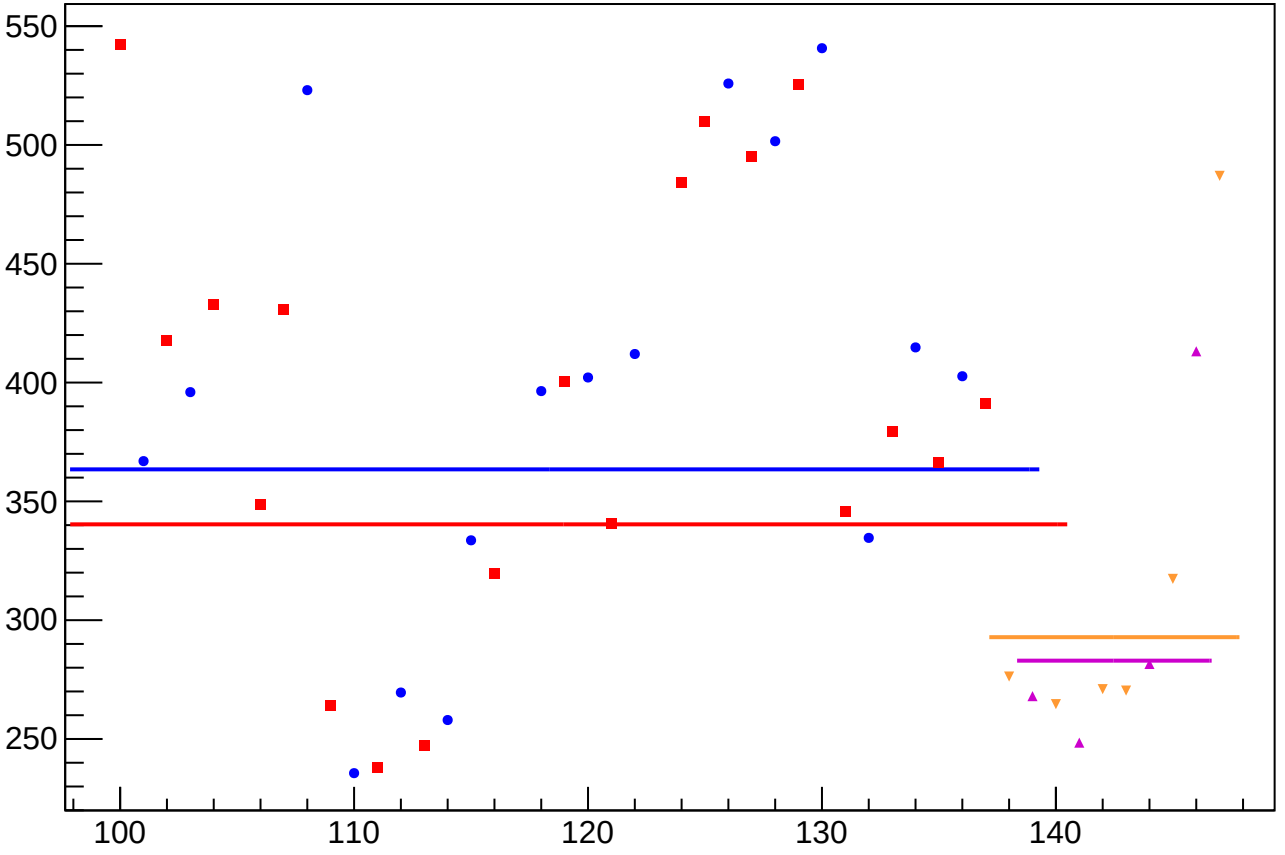
Left In: 298.228+/-153.720 χ^2/NDF:6.3/3

+ sign 639.483+/-99.508 χ^2/NDF: 254.3/21

All: 558.717+/-70.214 χ^2/NDF: 389.4/44

- sign 478.631+/-99.088 χ^2/NDF: 133.8/22

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 292.842+/-0.100 χ^2/NDF:311596.2/5

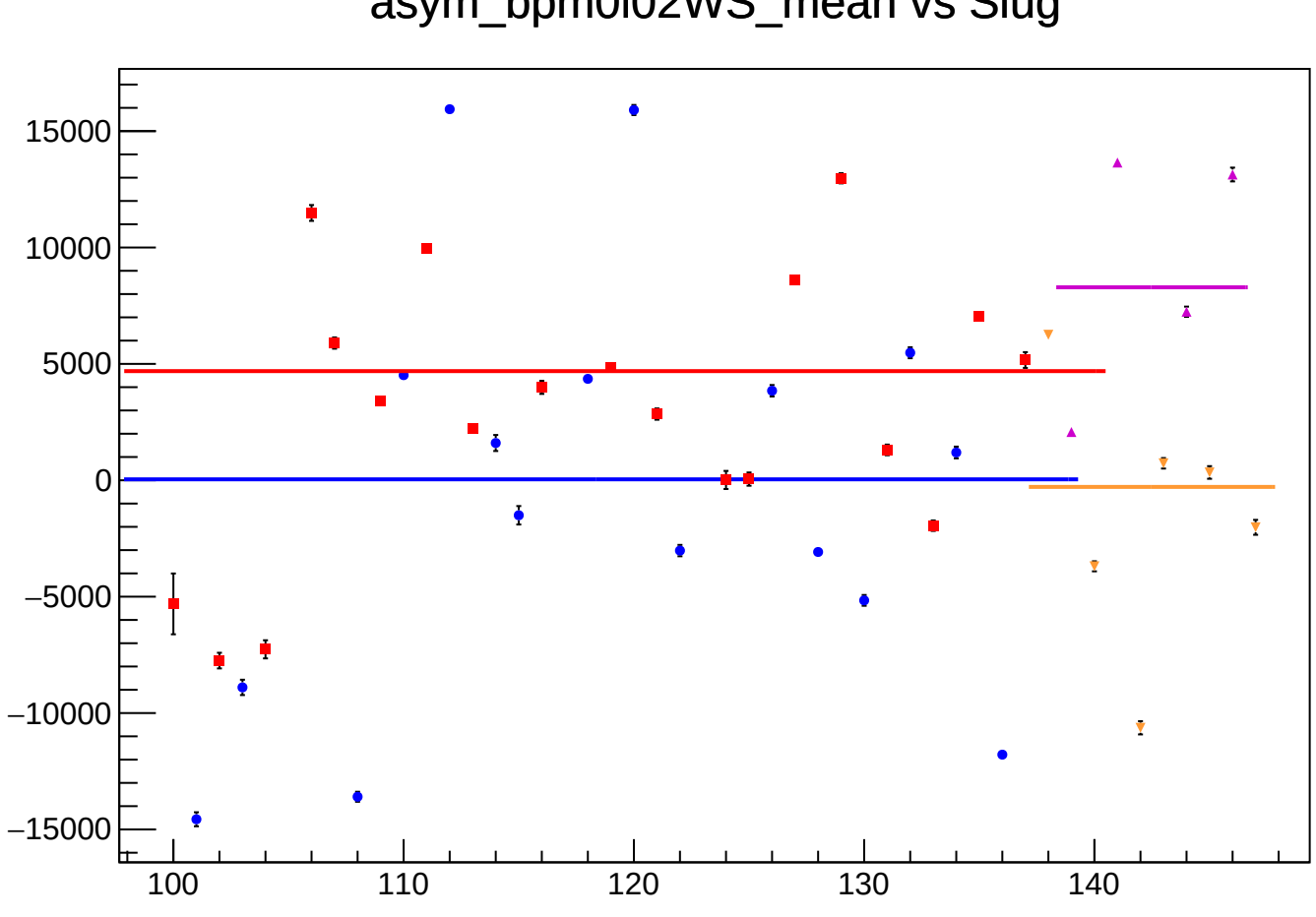
Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 282.964+/-0.109 χ^2/NDF:216176.4/3

+ sign 328.494+/-0.070 χ^2/NDF: 1344363.0/21

All: 322.469+/-0.050 χ^2/NDF: 2594186.8/44

- sign 316.495+/-0.070 χ^2/NDF: 1235221.3/22



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

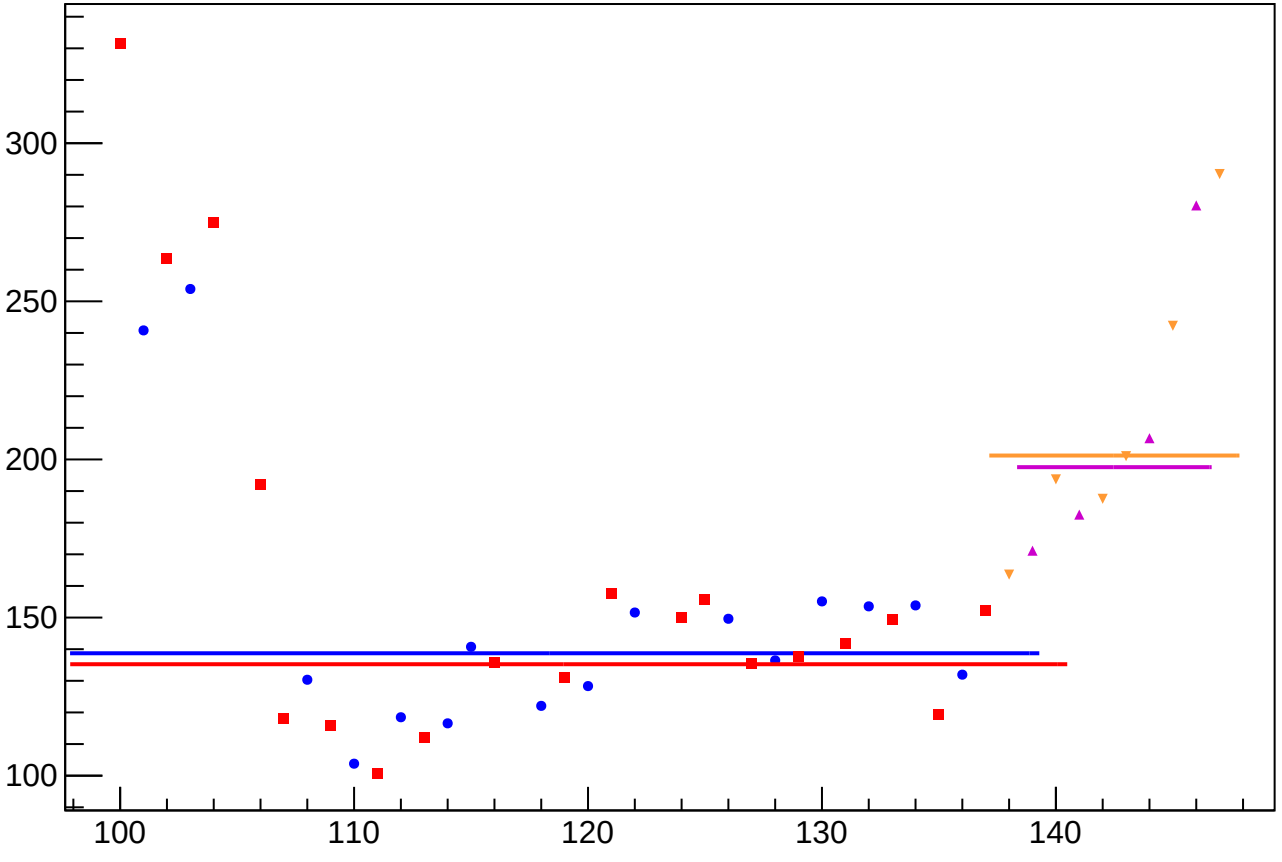
Left In: 8290.564+/-107.557 χ^2/NDF:2126.6/3

+ sign -36.133+/-47.353 χ^2/NDF: 33654.7/21

All: 2695.781+/-33.317 χ^2/NDF: 51076.1/44

- sign 5373.931+/-46.885 χ^2/NDF: 10830.1/22

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

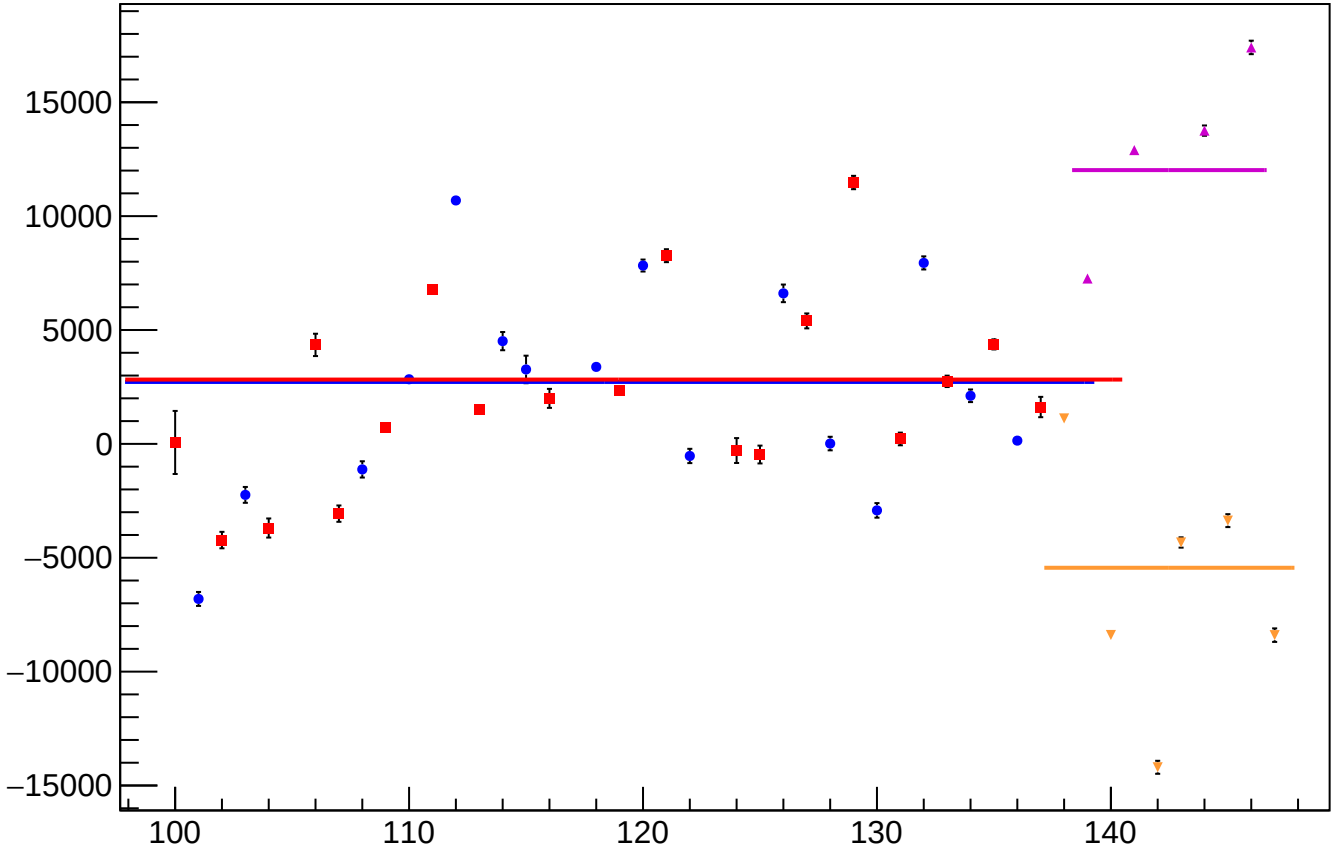
Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

+ sign 153.509+/-0.033 χ^2/NDF: 1576560.4/21

All: 150.266+/-0.024 χ^2/NDF: 3239404.2/44

- sign 147.086+/-0.033 χ^2/NDF: 1644266.0/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

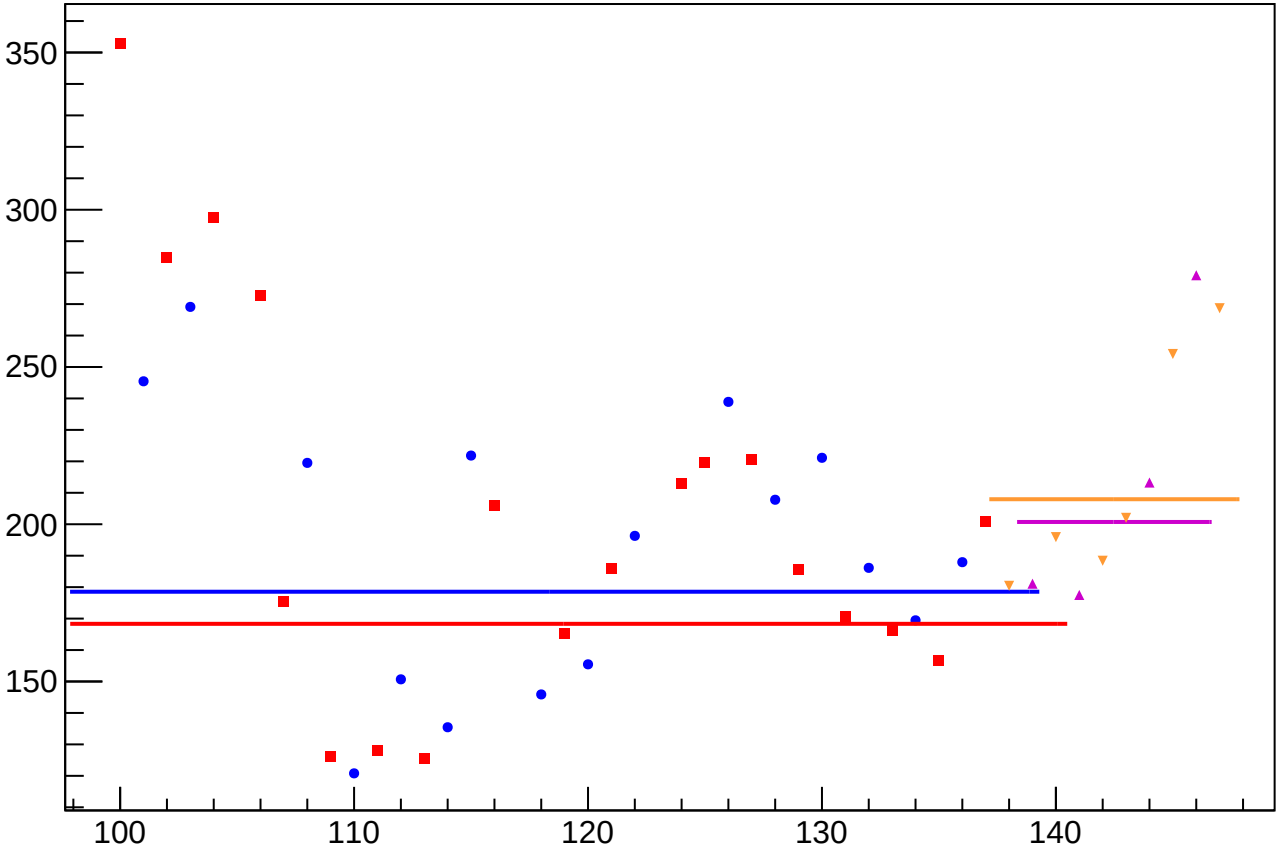
Left In: 12020.892+/-109.141 χ^2/NDF:981.0/3

+ sign 73.902+/-56.922 χ^2/NDF: 10949.7/21

All: 2702.242+/-39.829 χ^2/NDF: 24419.1/44

- sign 5223.540+/-55.751 χ^2/NDF: 9292.1/22

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

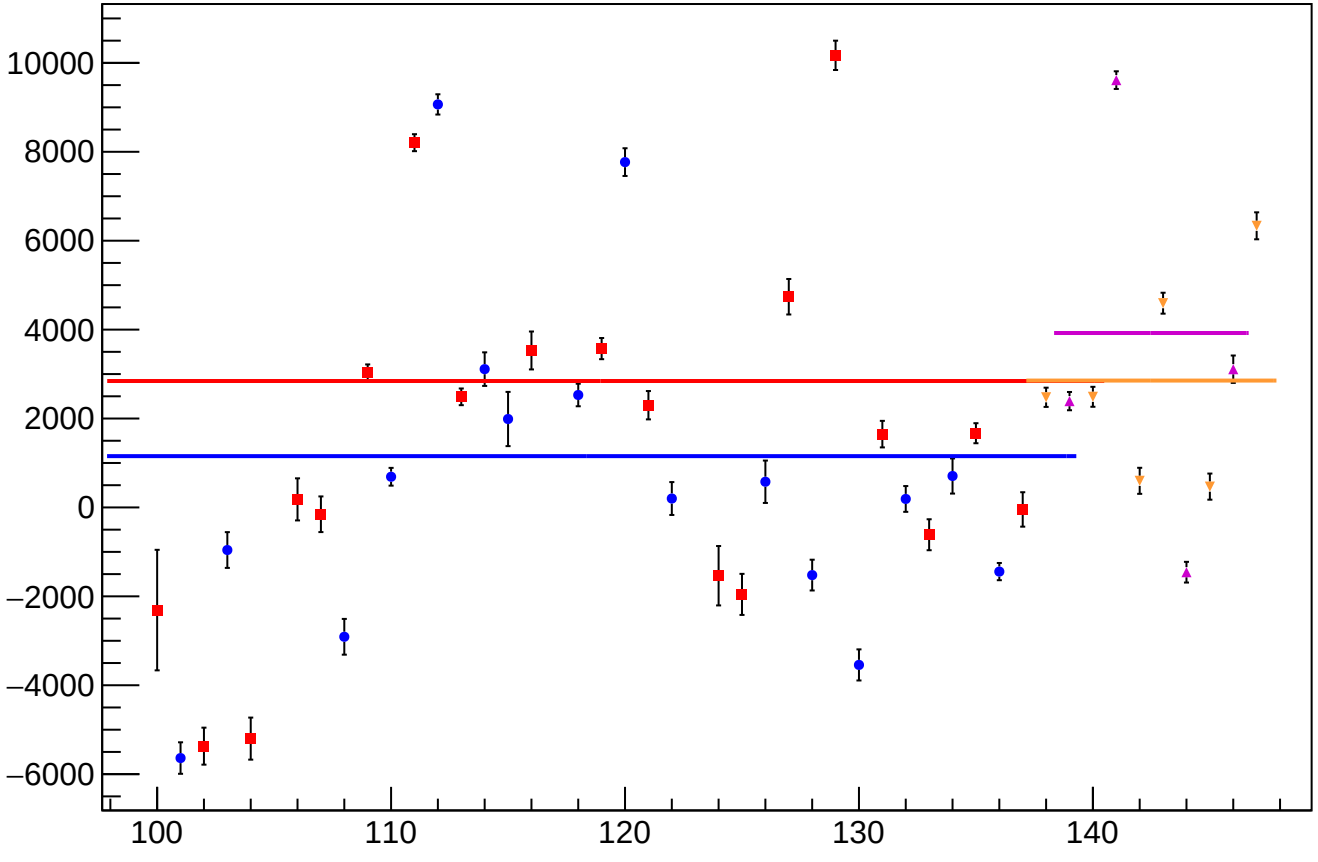
Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

+ sign 188.079+/-0.040 χ^2/NDF: 980721.0/21

All: 182.315+/-0.028 χ^2/NDF: 2326250.8/44

- sign 176.786+/-0.039 χ^2/NDF: 1305351.9/22

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

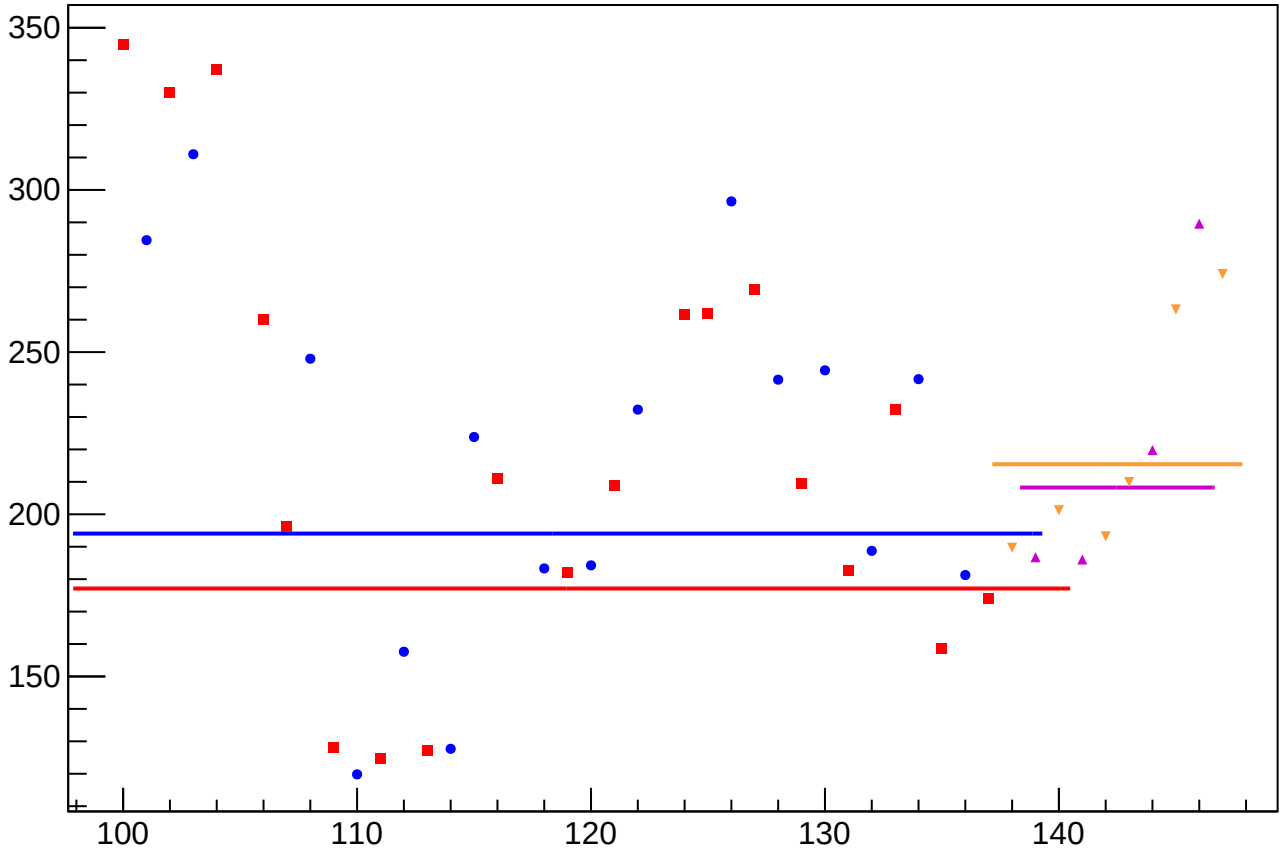
Left In: 3923.686+/-113.245 χ^2/NDF:1415.5/3

+ sign 1748.913+/-61.237 χ^2/NDF: 3147.9/21

All: 2468.693+/-42.492 χ^2/NDF: 7349.2/44

- sign 3137.090+/-59.010 χ^2/NDF: 3934.8/22

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

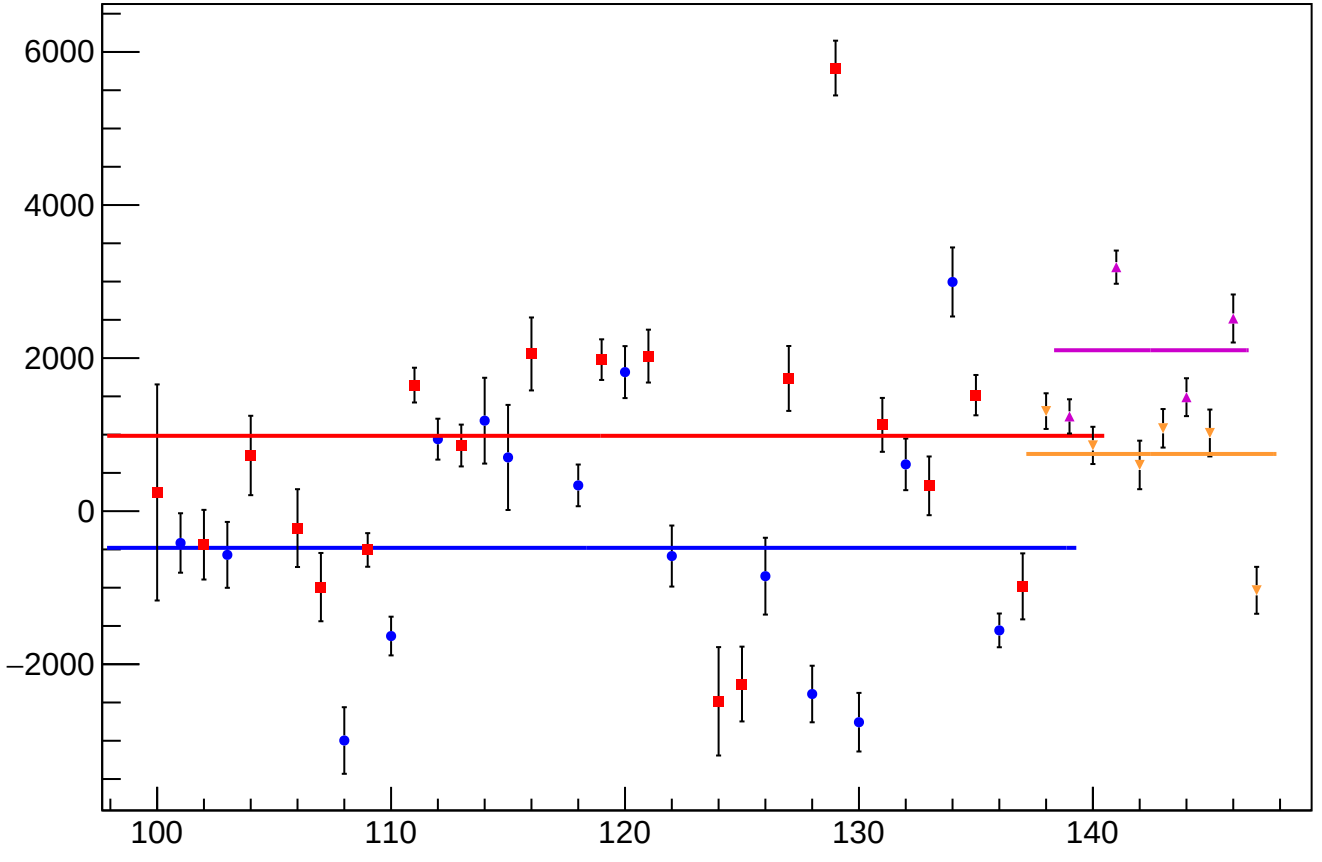
Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

+ sign 201.536+/-0.043 χ^2/NDF: 1197655.8/21

All: 193.256+/-0.030 χ^2/NDF: 2928793.1/44

- sign 185.568+/-0.042 χ^2/NDF: 1660626.7/22

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

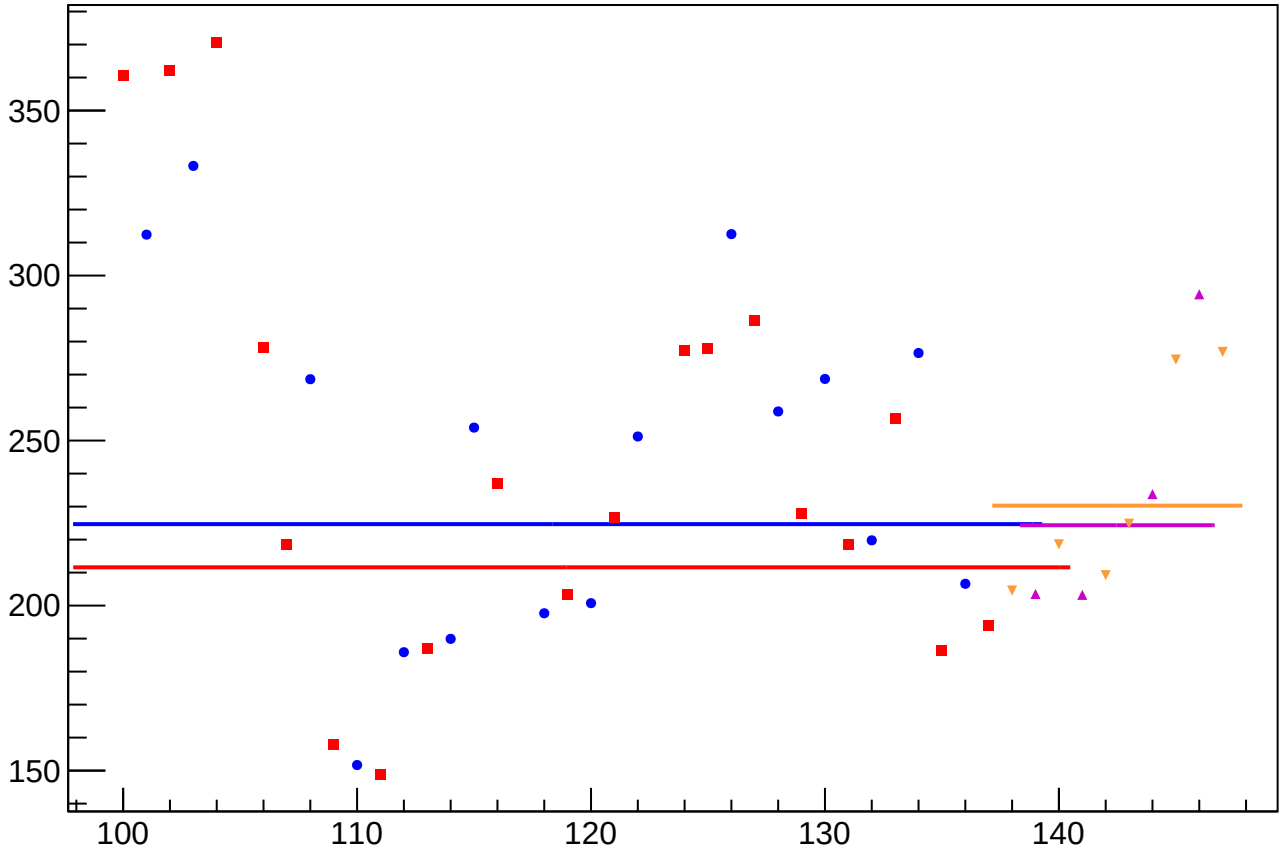
Left In: 2102.702+/-121.497 χ^2/NDF:47.9/3

+ sign -10.336+/-68.133 χ^2/NDF: 424.6/21

All: 666.552+/-47.903 χ^2/NDF: 1124.4/44

- sign 1328.252+/-67.364 χ^2/NDF: 504.7/22

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

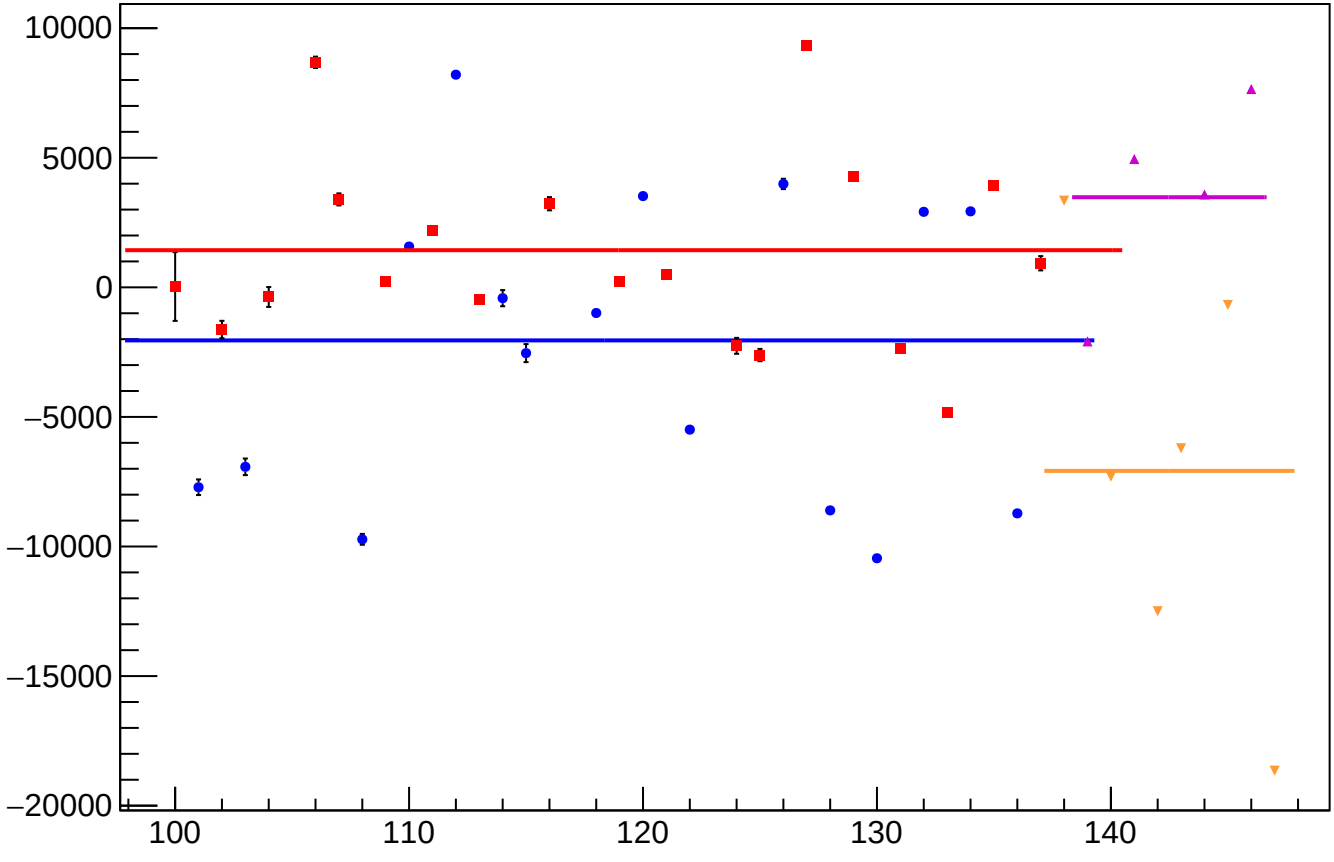
Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

+ sign 226.826+/-0.048 χ^2/NDF: 783150.4/21

All: 221.107+/-0.034 χ^2/NDF: 1897837.9/44

- sign 215.516+/-0.048 χ^2/NDF: 1086817.0/22

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

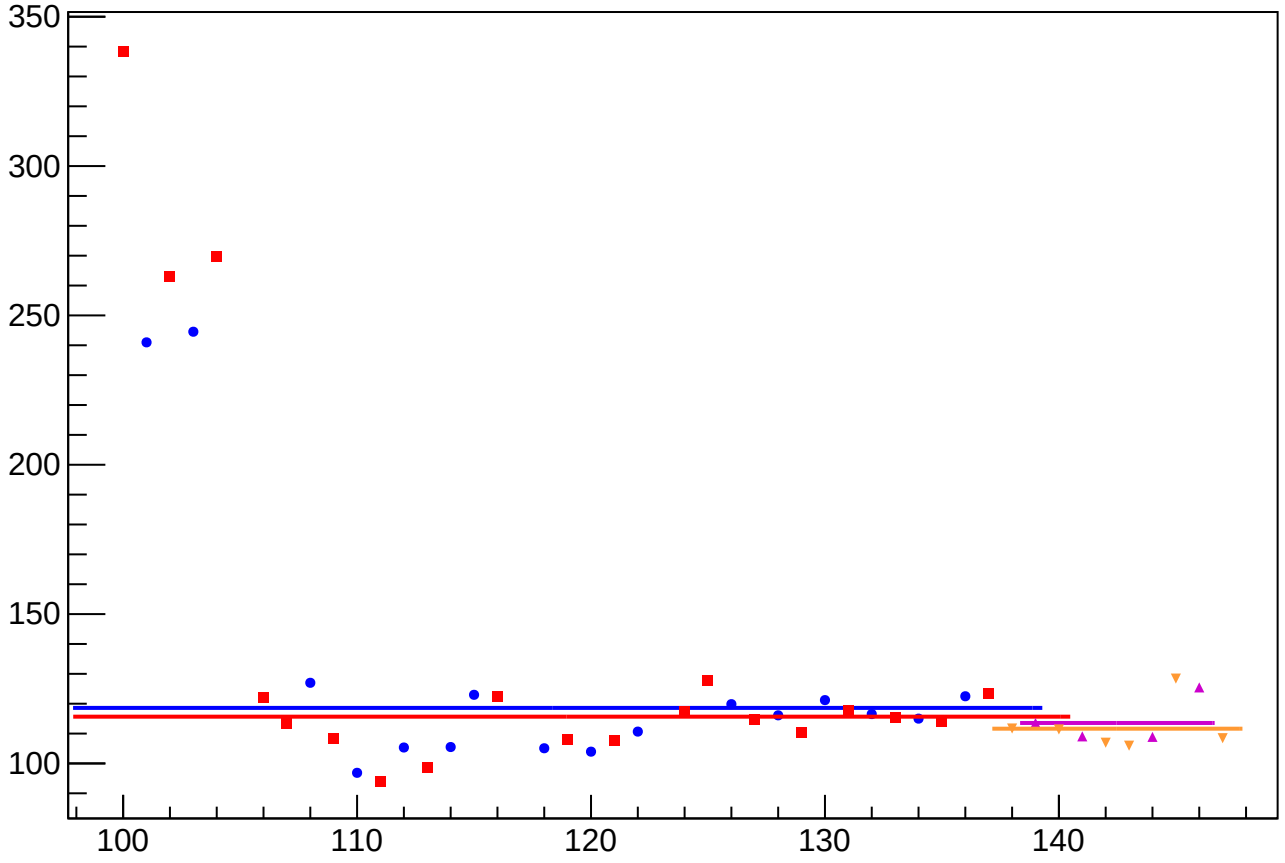
Left In: 3477.145+/-61.589 χ^2/NDF:3061.2/3

+ sign -4213.455+/-35.265 χ^2/NDF: 40641.4/21

All: -1119.680+/-25.257 χ^2/NDF: 66614.2/44

- sign 2138.799+/-36.192 χ^2/NDF: 10170.2/22

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

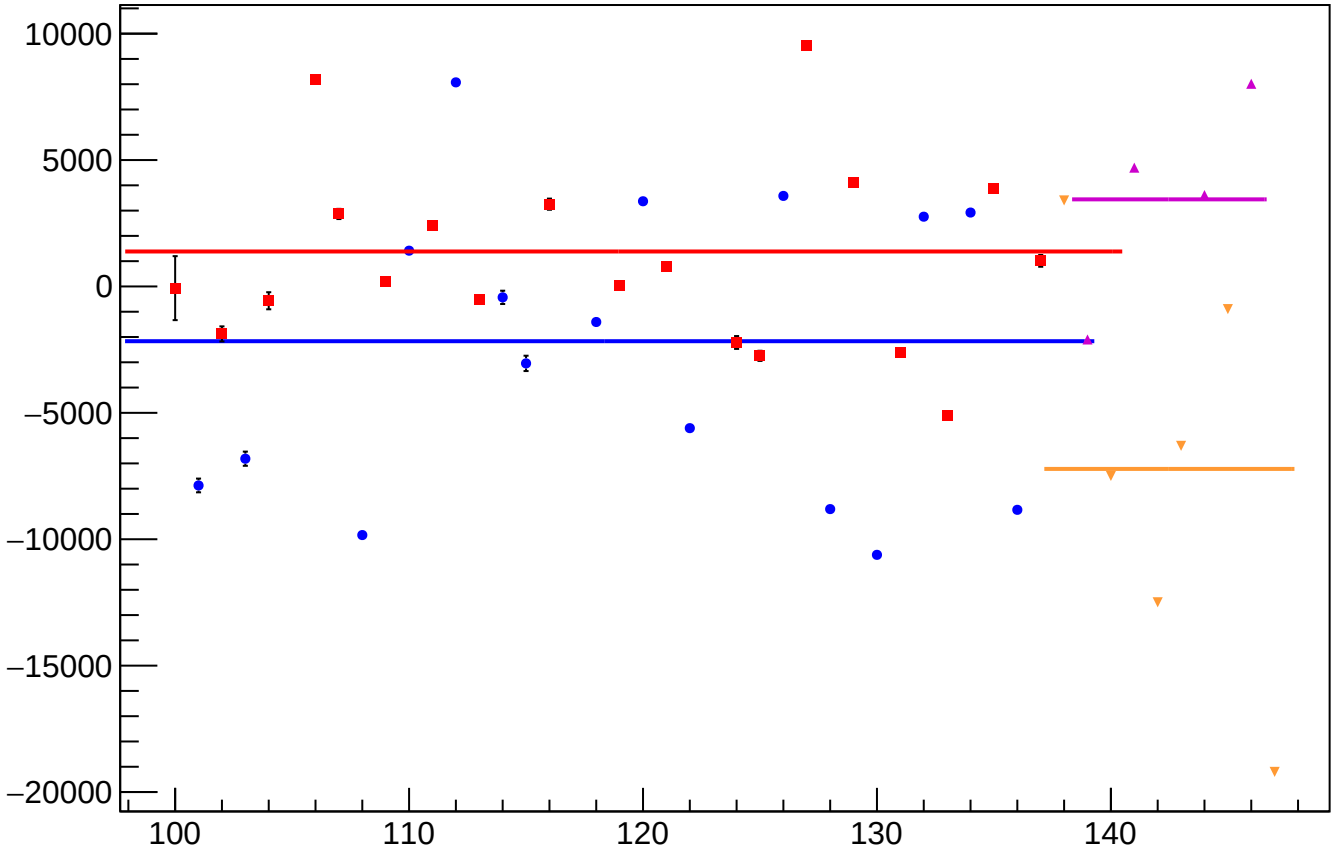
Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

+ sign 115.601+/-0.025 χ^2/NDF: 787537.2/21

All: 115.275+/-0.018 χ^2/NDF: 1675523.9/44

- sign 114.931+/-0.026 χ^2/NDF: 887635.3/22

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -7217.978+/-49.764 χ^2/NDF:22434.1/5

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

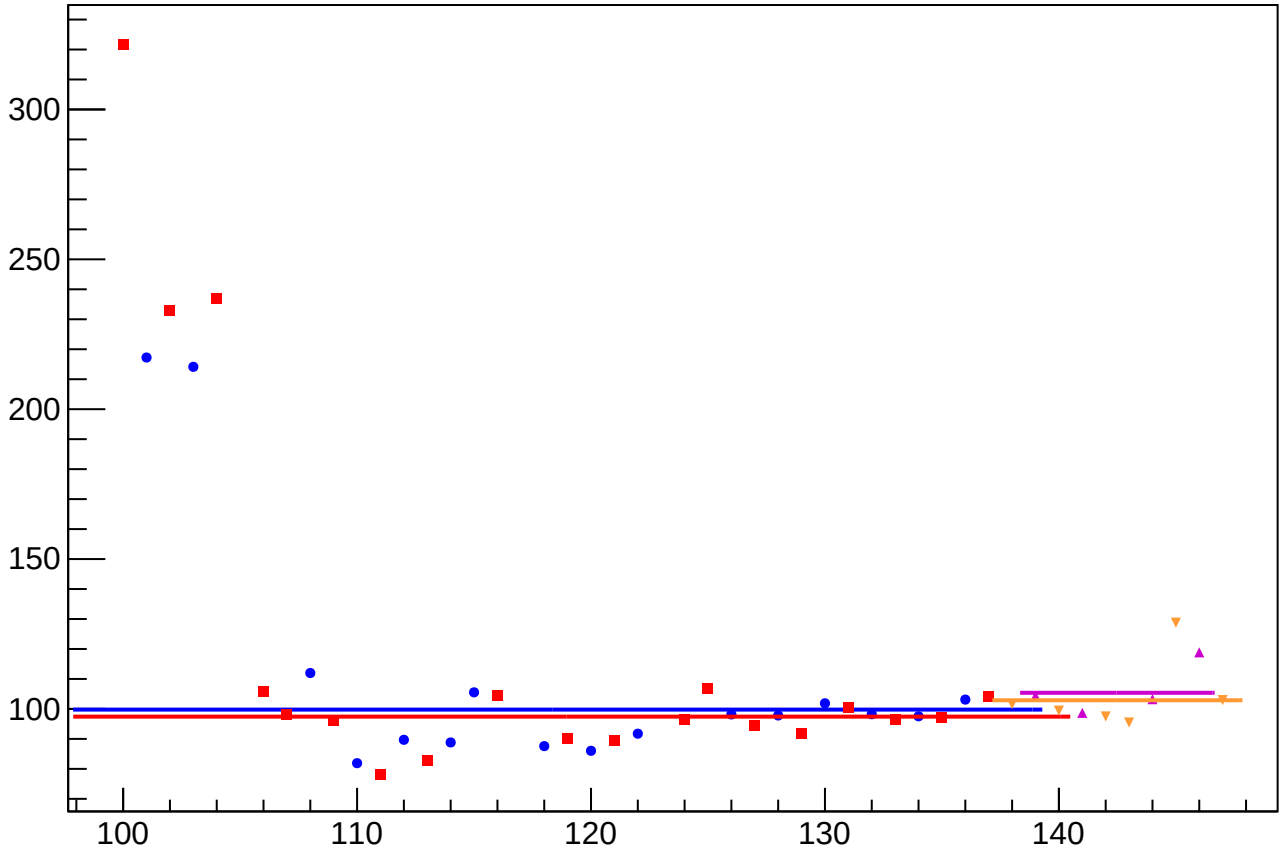
Left In: 3444.826+/-57.253 χ^2/NDF:3707.6/3

\+ sign -4126.594+/-31.002 χ^2/NDF: 51615.6/21

All: -1120.001+/-22.146 χ^2/NDF: 84578.7/44

\- sign 2013.035+/-31.647 χ^2/NDF: 13756.7/22

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.890+/-0.035 χ^2/NDF:77593.4/5

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

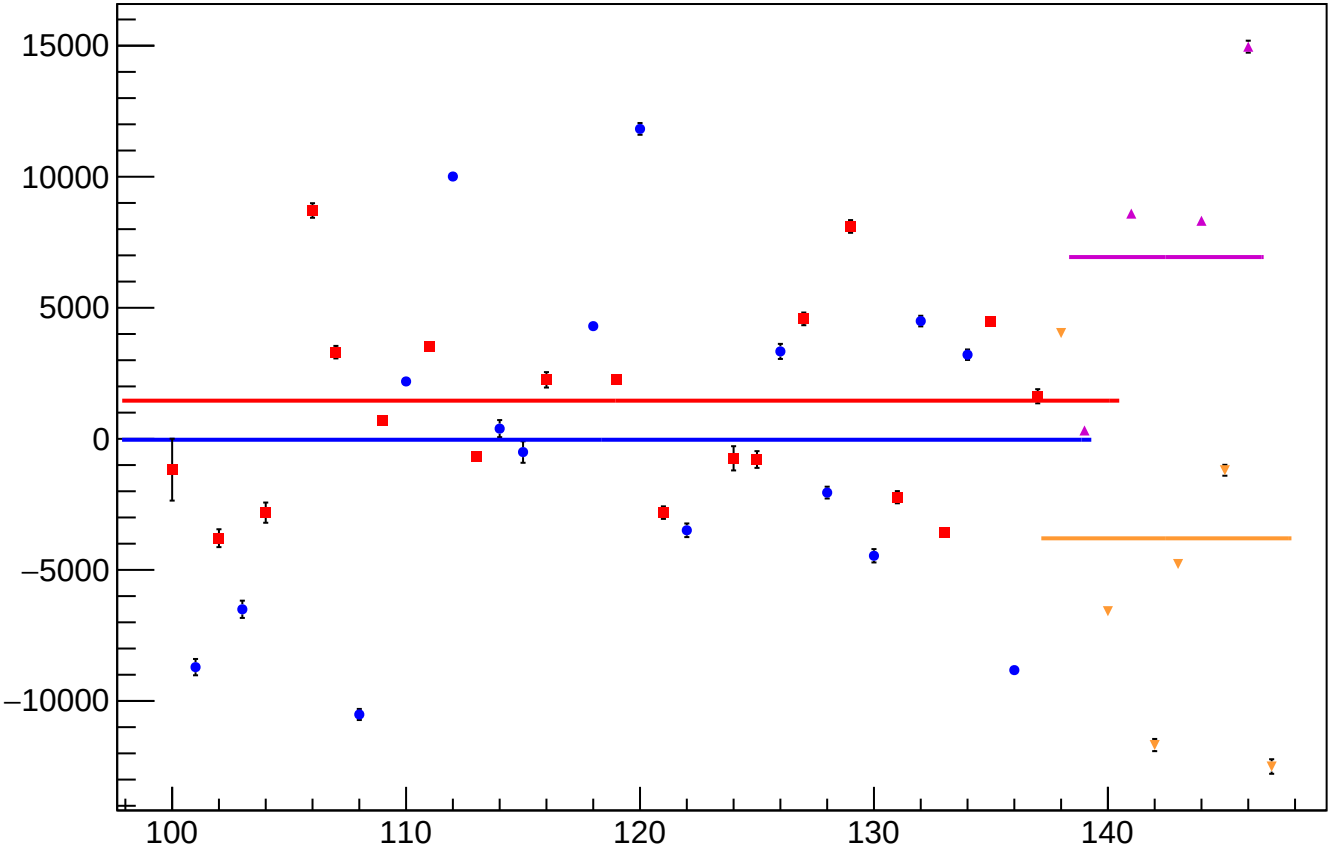
Left In: 105.383+/-0.040 χ^2/NDF:31436.7/3

+ sign 100.984+/-0.022 χ^2/NDF: 891541.9/21

All: 100.432+/-0.016 χ^2/NDF: 1877134.4/44

- sign 99.858+/-0.022 χ^2/NDF: 984302.0/22

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3795.737+/-77.999 χ^2/NDF:5127.7/5

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

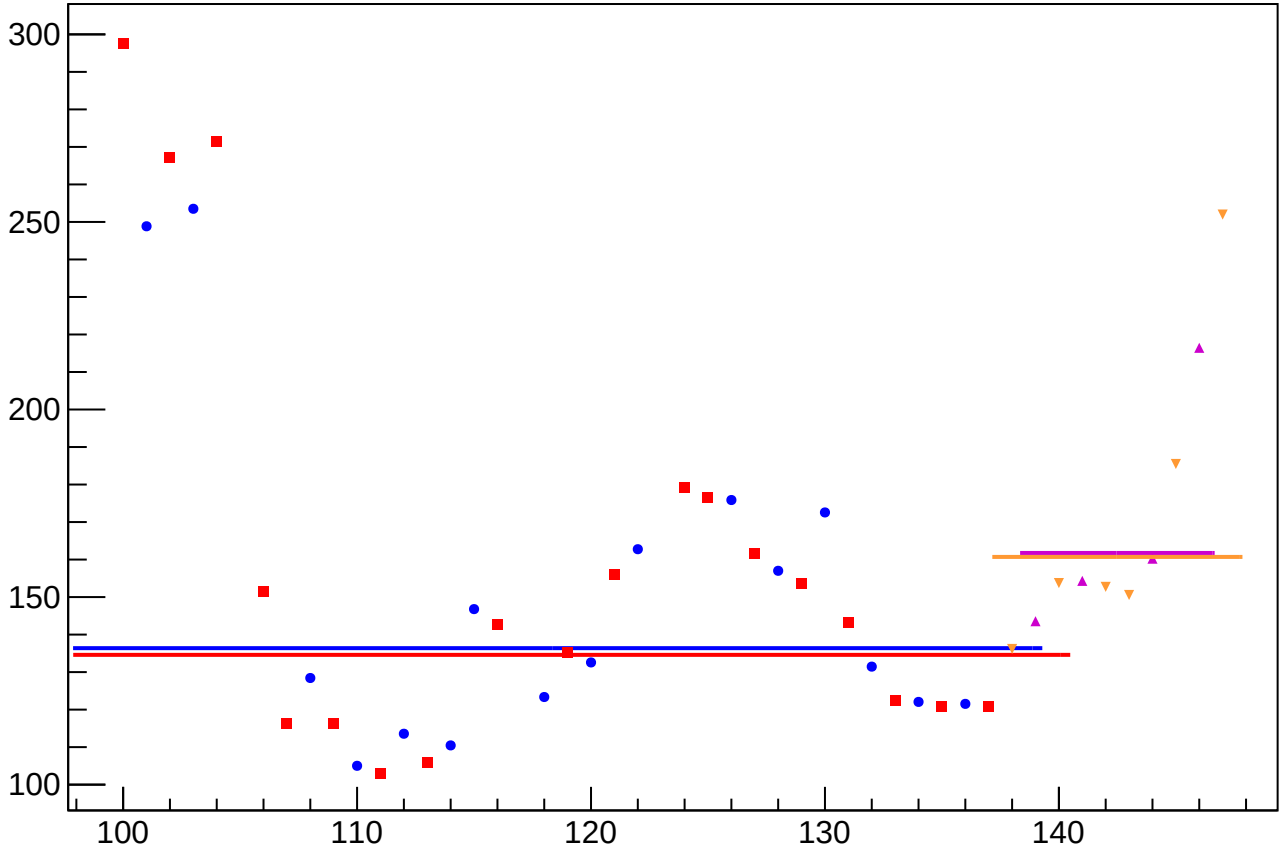
Left In: 6935.647+/-87.851 χ^2/NDF:3124.9/3

+ sign -1236.945+/-44.100 χ^2/NDF: 23512.4/21

All: 791.080+/-31.398 χ^2/NDF: 37925.3/44

- sign 2876.017+/-44.714 χ^2/NDF: 10123.9/22

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 160.705+/-0.055 χ^2/NDF:306750.7/5

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

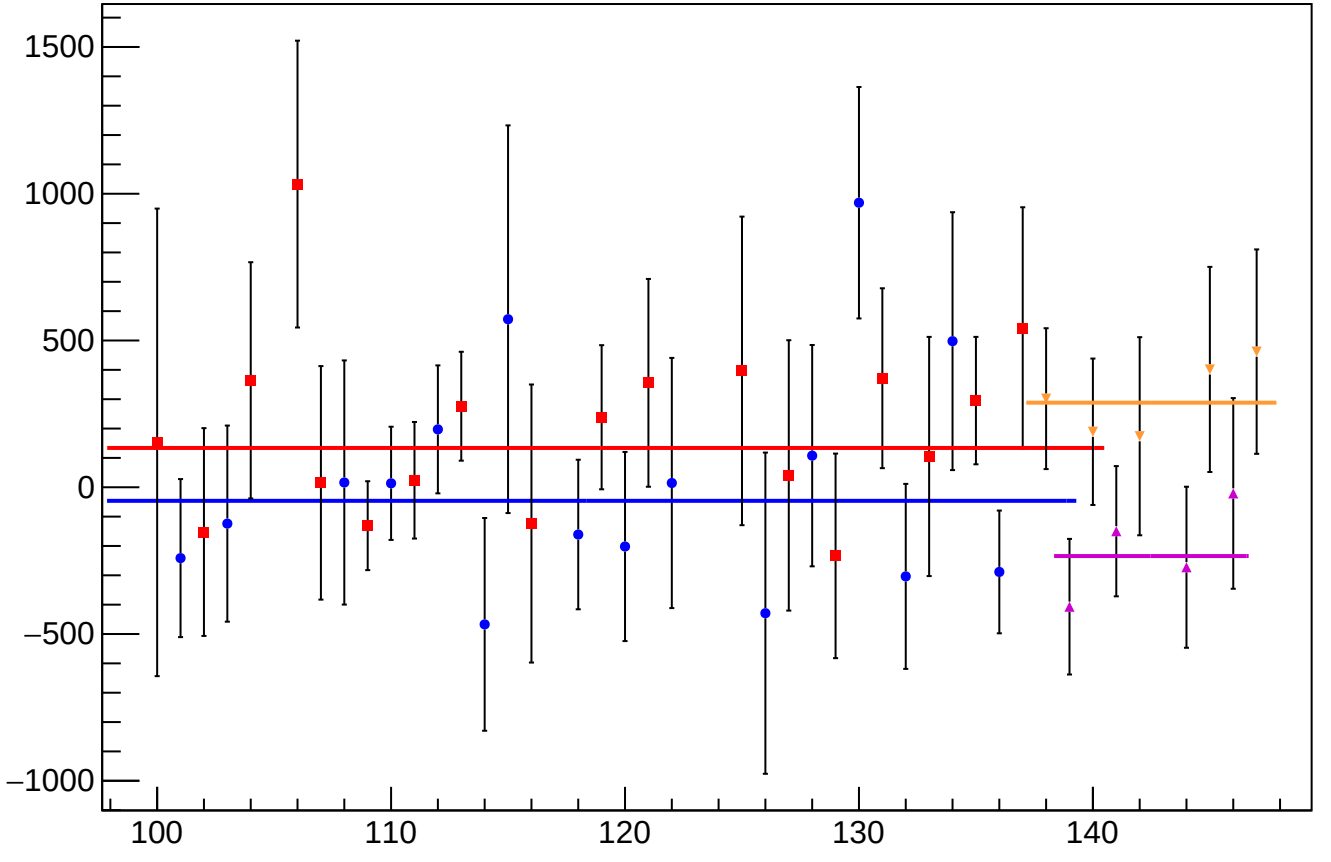
Left In: 161.761+/-0.062 χ^2/NDF:144493.8/3

+ sign 144.158+/-0.031 χ^2/NDF: 1235910.0/21

All: 142.914+/-0.022 χ^2/NDF: 2444906.2/44

- sign 141.635+/-0.032 χ^2/NDF: 1205768.1/22

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 288.210+/-130.567 χ^2/NDF:0.6/4

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

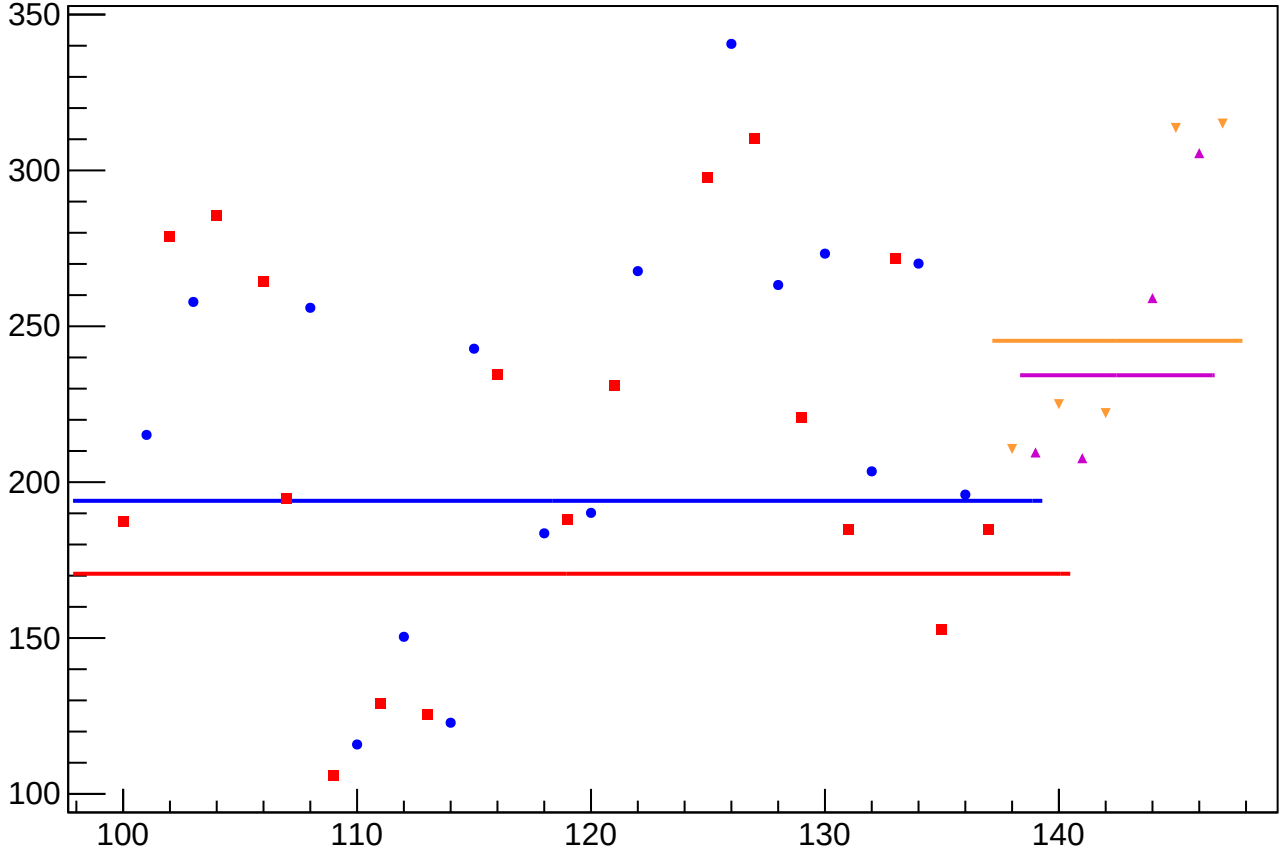
Left In: -234.361+/-127.189 χ^2/NDF:1.2/3

+ sign 38.901+/-65.865 χ^2/NDF: 21.0/20

All: 45.636+/-44.456 χ^2/NDF: 41.5/42

- sign 51.272+/-60.251 χ^2/NDF: 20.5/21

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 245.351+/-0.092 χ^2/NDF:220973.2/4

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

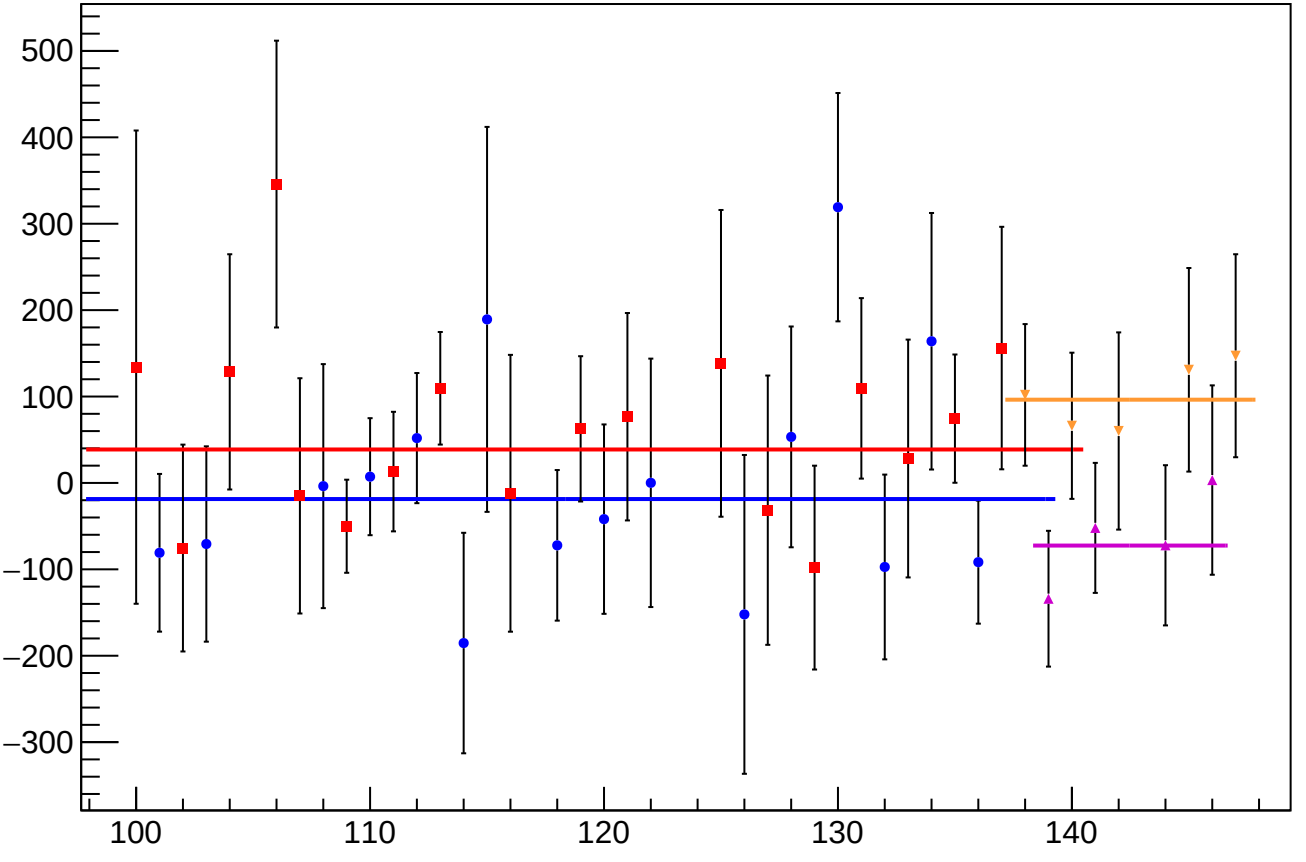
Left In: 234.294+/-0.090 χ^2/NDF:164262.2/3

+ sign 207.080+/-0.047 χ^2/NDF: 1495044.7/20

All: 195.011+/-0.031 χ^2/NDF: 3765125.7/42

- sign 184.911+/-0.043 χ^2/NDF: 2146728.0/21

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 96.351+/-44.286 χ^2/NDF:0.5/4

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

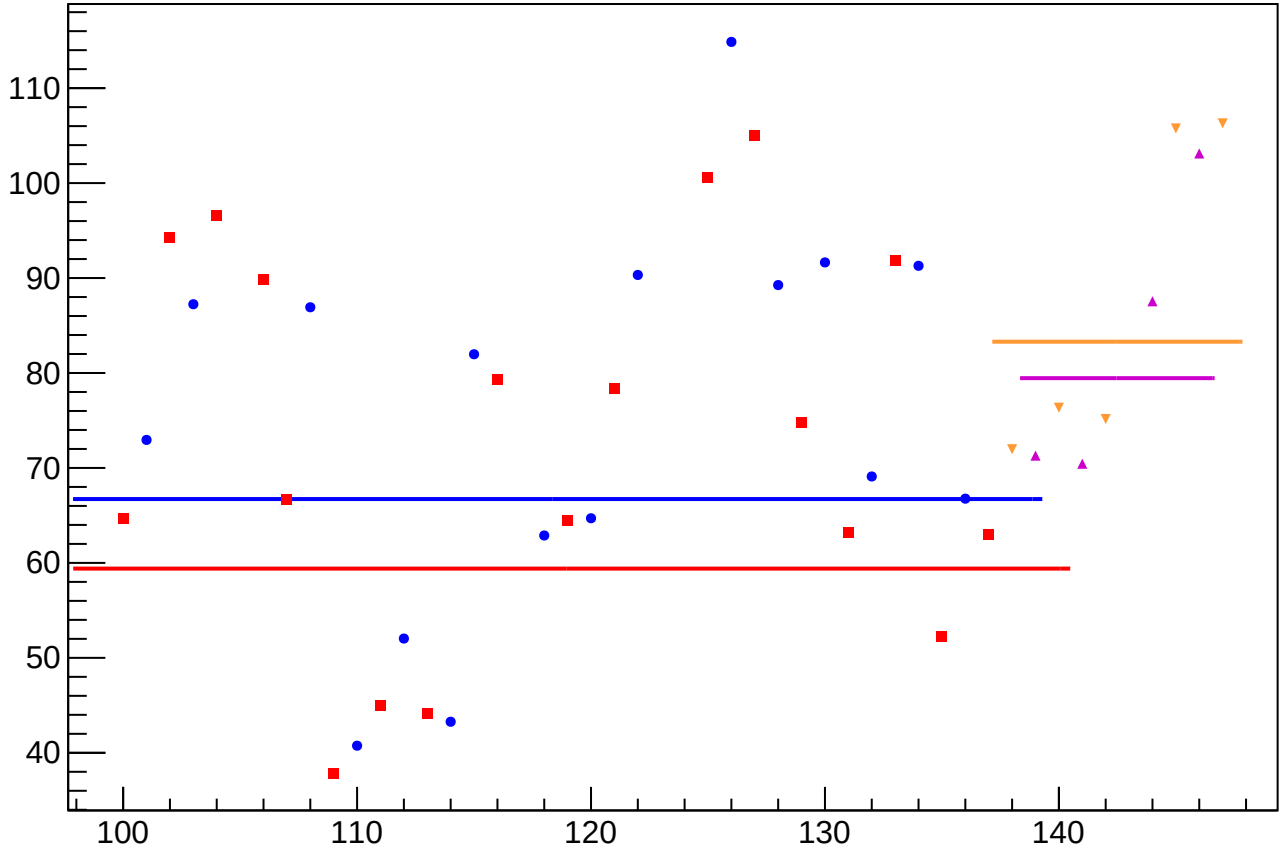
Left In: -72.488+/-43.107 χ^2/NDF:1.2/3

+ sign 11.038+/-22.500 χ^2/NDF: 20.7/20

All: 12.091+/-15.248 χ^2/NDF: 39.6/42

- sign 12.985+/-20.736 χ^2/NDF: 18.9/21

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 83.296+/-0.031 χ^2/NDF:211196.2/4

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

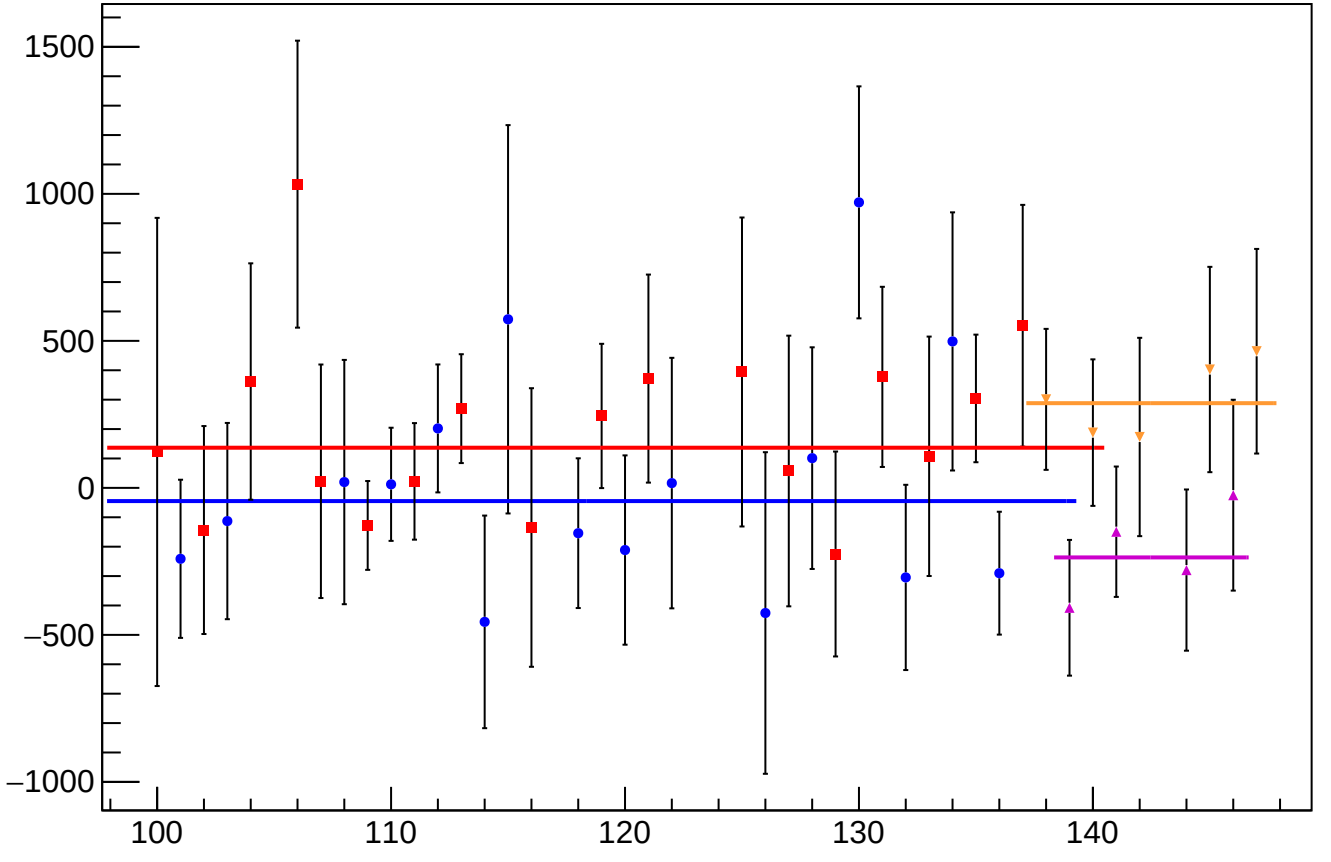
Left In: 79.455+/-0.030 χ^2/NDF:158723.2/3

+ sign 71.002+/-0.016 χ^2/NDF: 1366003.8/20

All: 67.238+/-0.011 χ^2/NDF: 3406330.6/42

- sign 64.041+/-0.015 χ^2/NDF: 1936815.2/21

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 288.072+/-130.458 χ^2/NDF:0.6/4

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

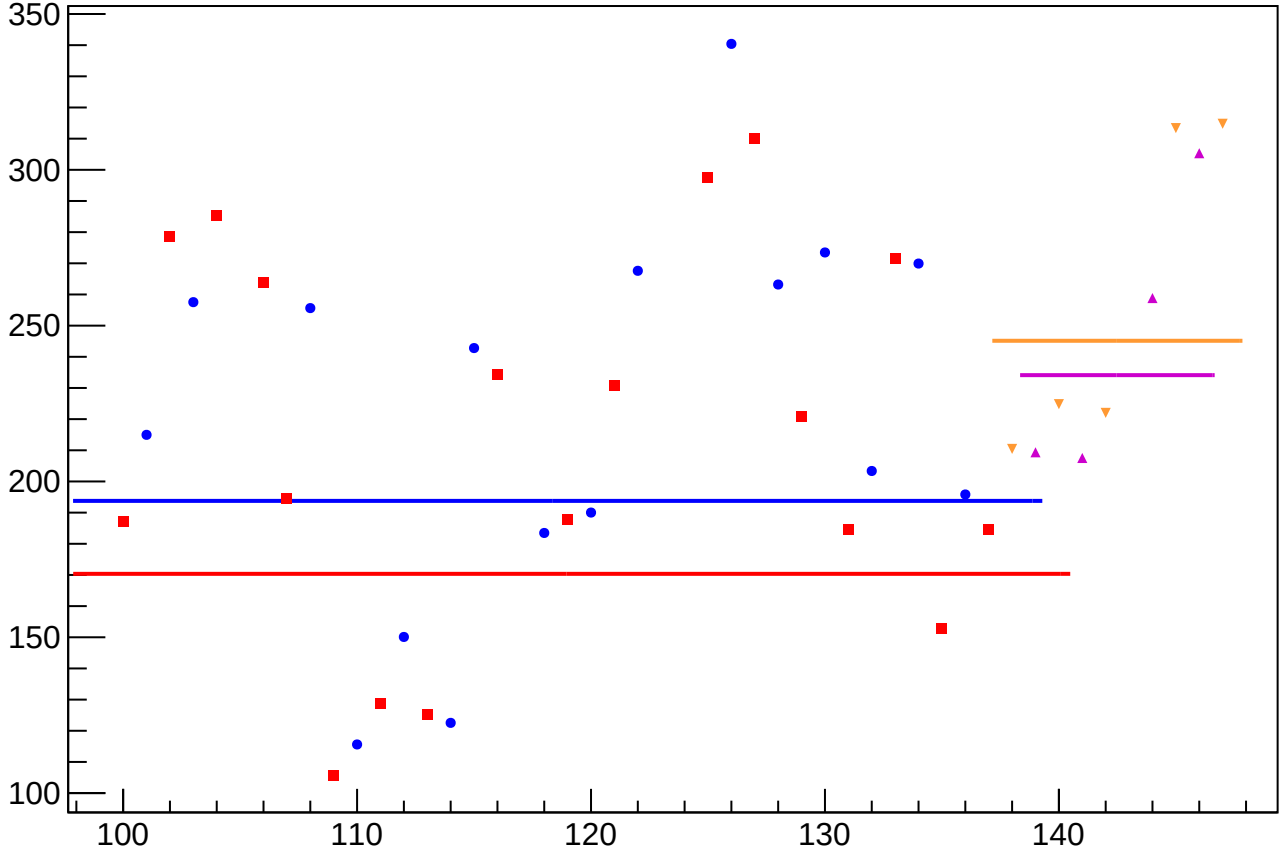
Left In: -236.541+/-127.093 χ^2/NDF:1.2/3

\+ sign 39.786+/-65.797 χ^2/NDF: 21.0/20

All: 46.941+/-44.406 χ^2/NDF: 41.7/42

\- sign 52.926+/-60.178 χ^2/NDF: 20.7/21

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 245.144+/-0.092 χ^2/NDF:221117.3/4

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

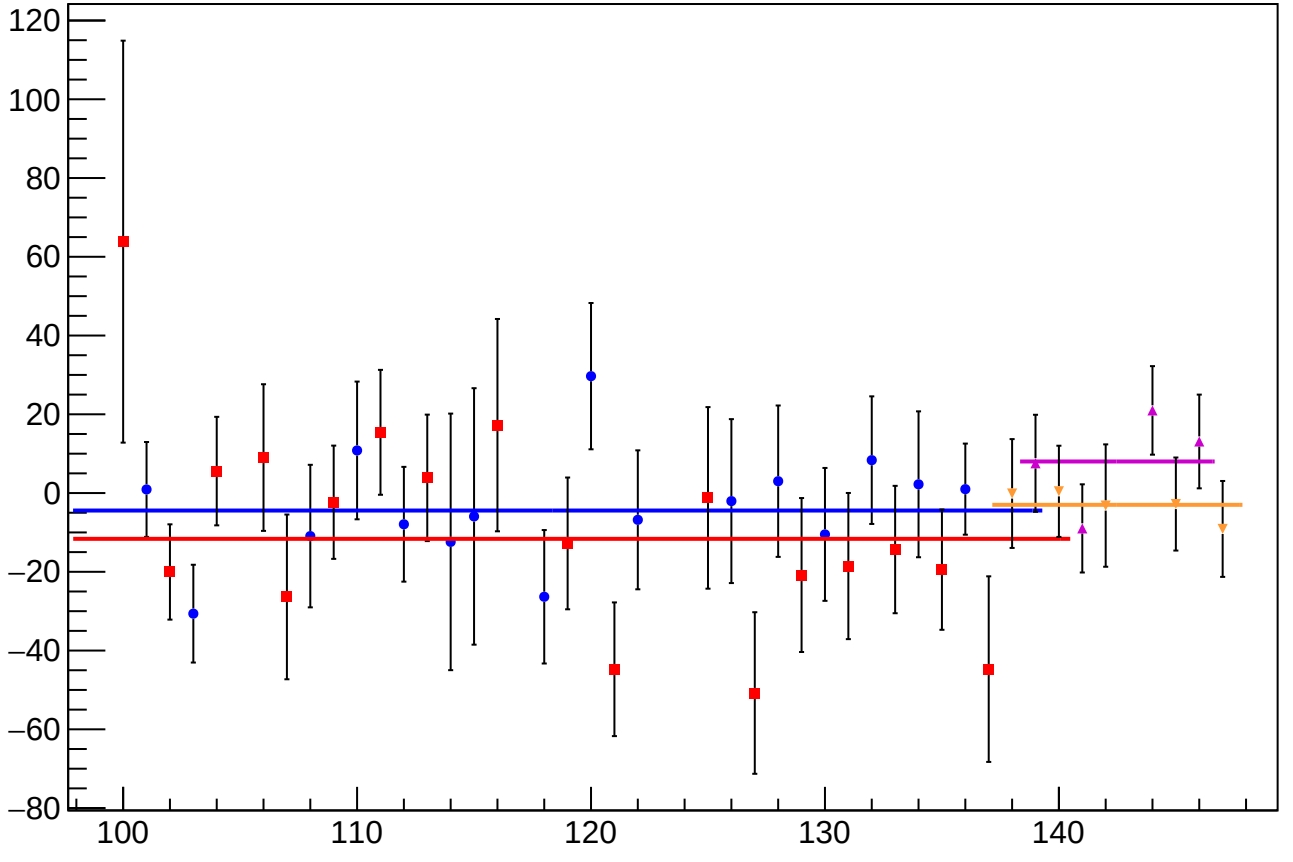
Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

+ sign 206.836+/-0.047 χ^2/NDF: 1500491.3/20

All: 194.757+/-0.031 χ^2/NDF: 3778104.0/42

- sign 184.652+/-0.043 χ^2/NDF: 2153813.0/21

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -2.990+/-5.703 χ^2/NDF:0.4/4

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

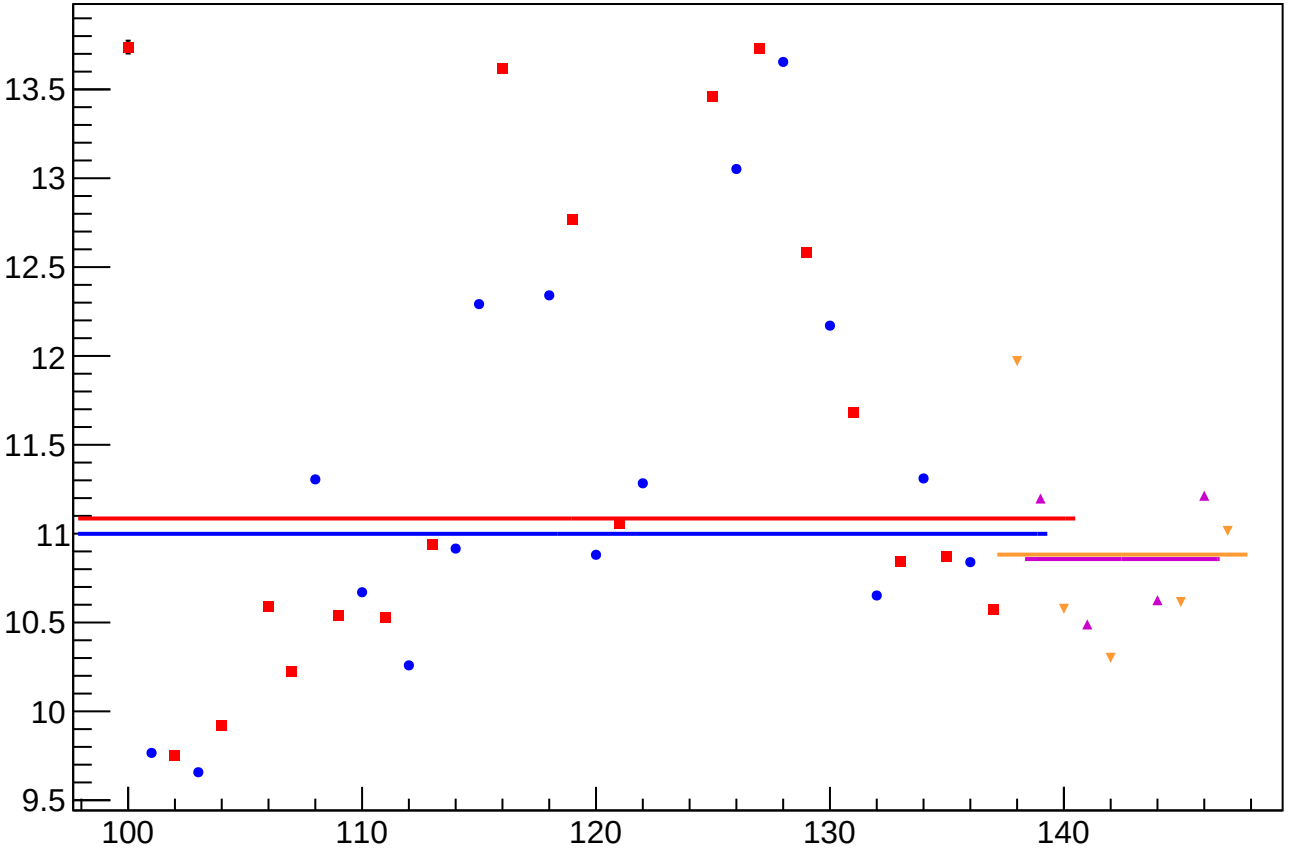
Left In: 8.015+/-5.819 χ^2/NDF:3.8/3

+ sign -3.941+/-3.345 χ^2/NDF: 12.4/20

All: -4.483+/-2.375 χ^2/NDF: 45.5/42

- sign -5.033+/-3.371 χ^2/NDF: 33.0/21

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.882+/-0.004 χ^2/NDF:17854.3/4

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

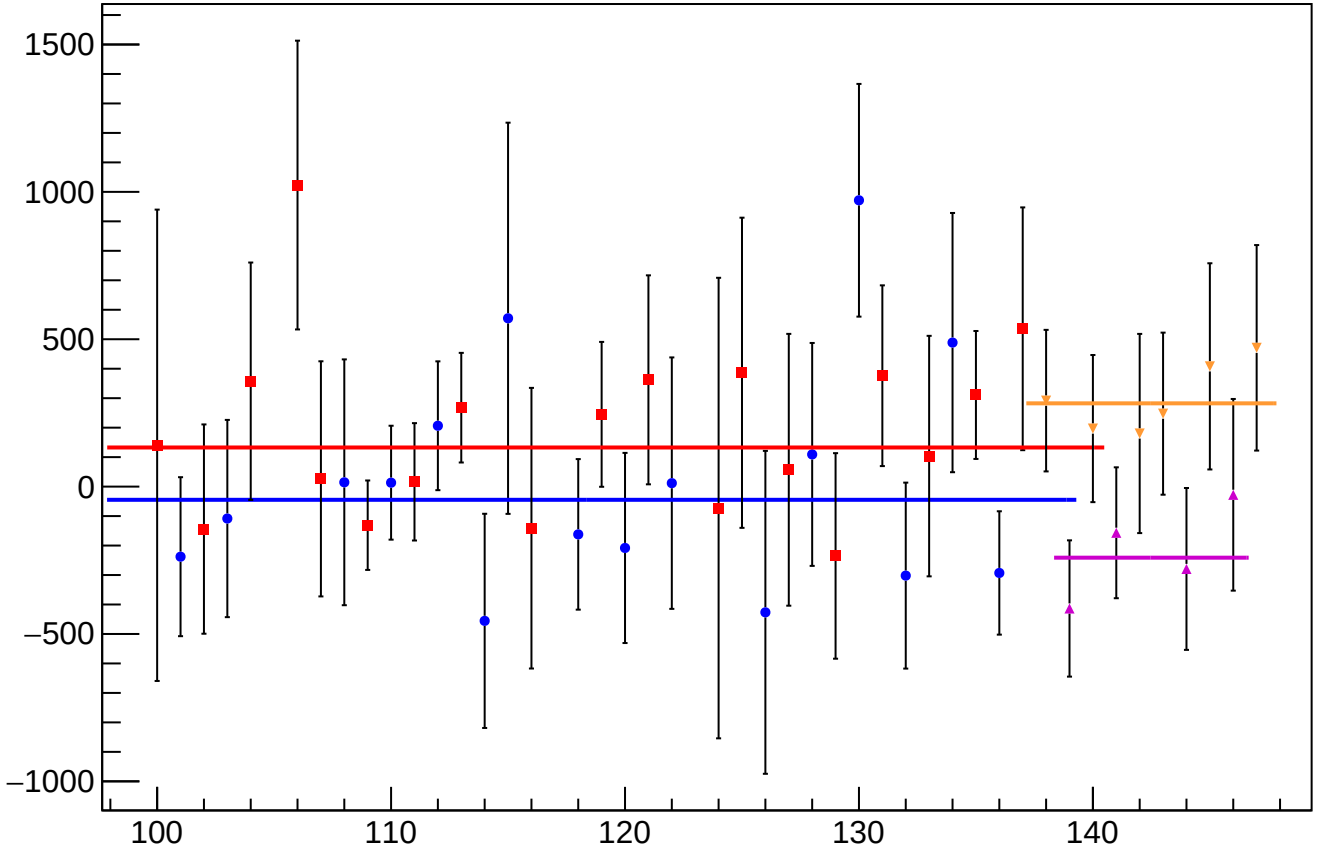
Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

+ sign 10.959+/-0.002 χ^2/NDF: 154564.8/20

All: 10.984+/-0.002 χ^2/NDF: 325361.6/42

- sign 11.009+/-0.002 χ^2/NDF: 170576.6/21

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

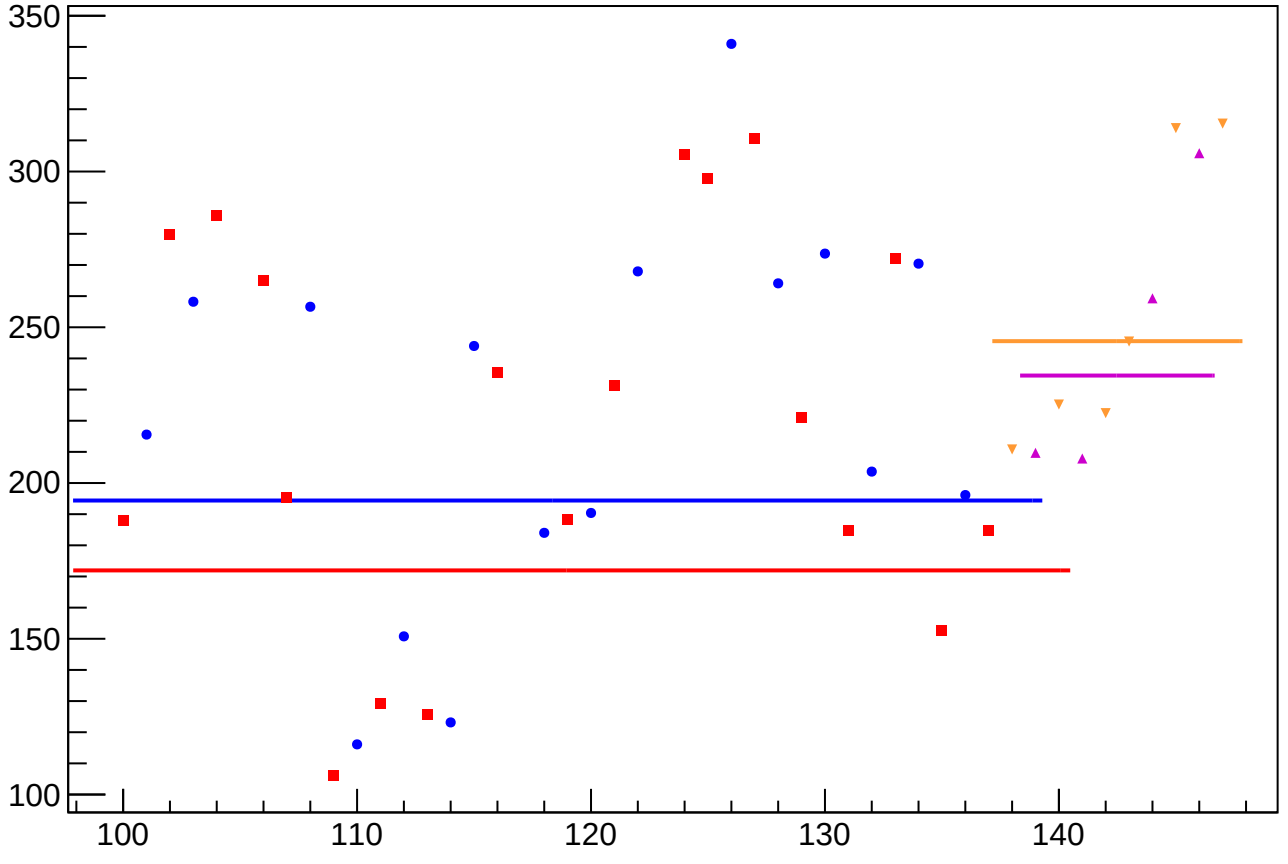
Left In: -241.147+/-127.305 χ^2/NDF:1.2/3

+ sign 51.888+/-64.151 χ^2/NDF: 21.5/21

All: 50.470+/-43.884 χ^2/NDF: 42.2/44

- sign 49.224+/-60.164 χ^2/NDF: 20.7/22

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 245.545+/-0.083 χ^2/NDF:221267.1/5

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

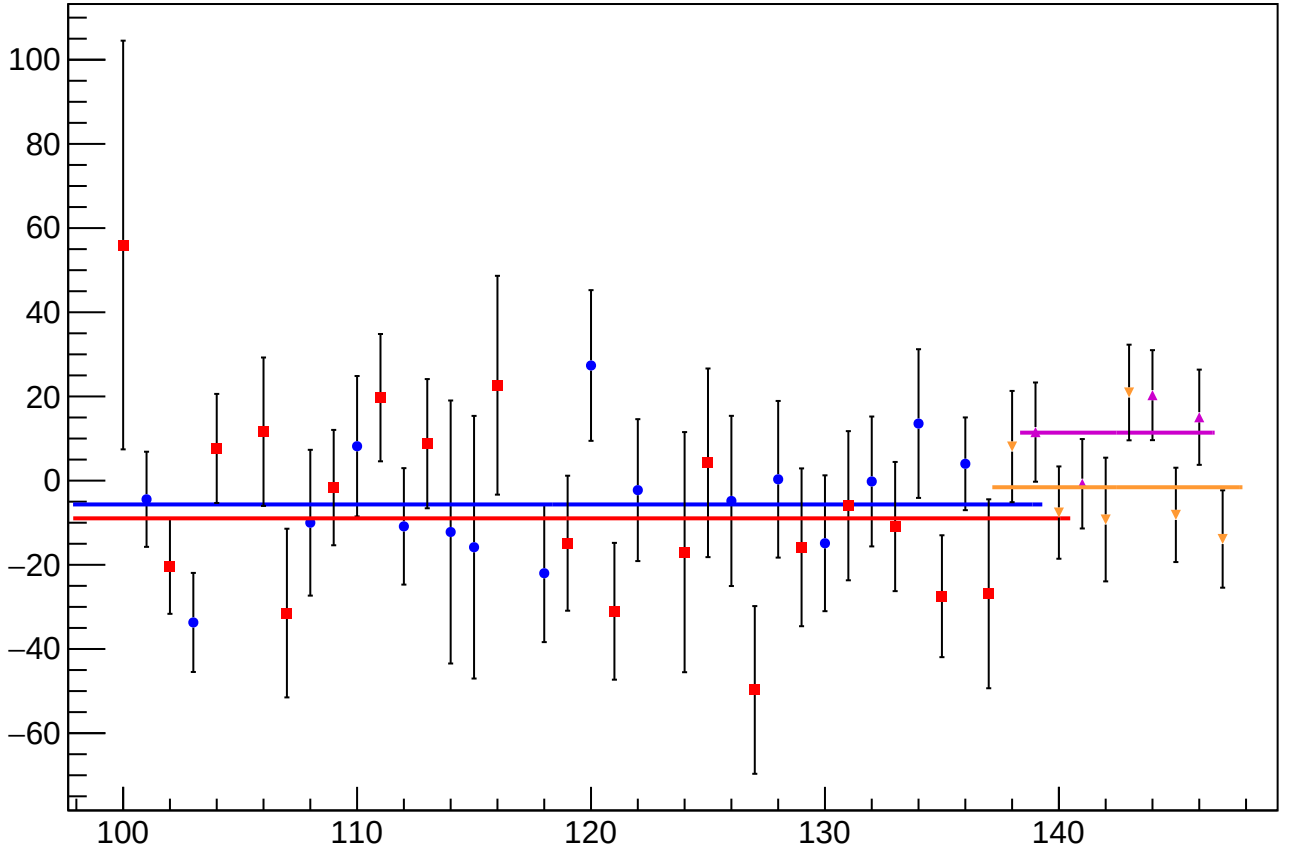
Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

+ sign 209.497+/-0.045 χ^2/NDF: 1528037.1/21

All: 196.953+/-0.031 χ^2/NDF: 3862600.3/44

- sign 185.920+/-0.043 χ^2/NDF: 2190833.7/22

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.571+/-4.888 χ^2/NDF:6.5/5

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

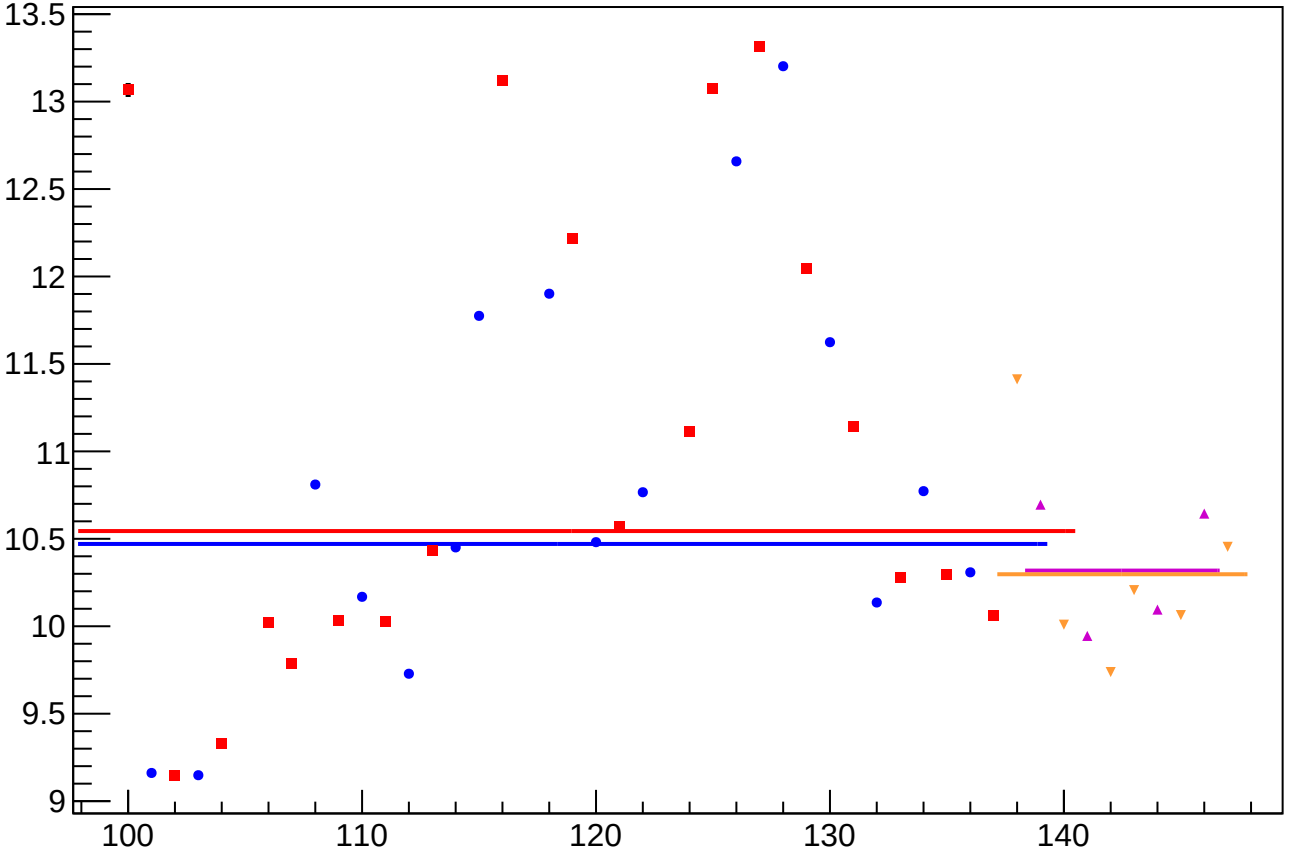
Left In: 11.397+/-5.537 χ^2/NDF:2.1/3

+ sign -4.049+/-3.067 χ^2/NDF: 20.6/21

All: -3.164+/-2.211 χ^2/NDF: 54.7/44

- sign -2.208+/-3.189 χ^2/NDF: 33.9/22

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.297+/-0.003 χ^2/NDF:19866.2/5

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

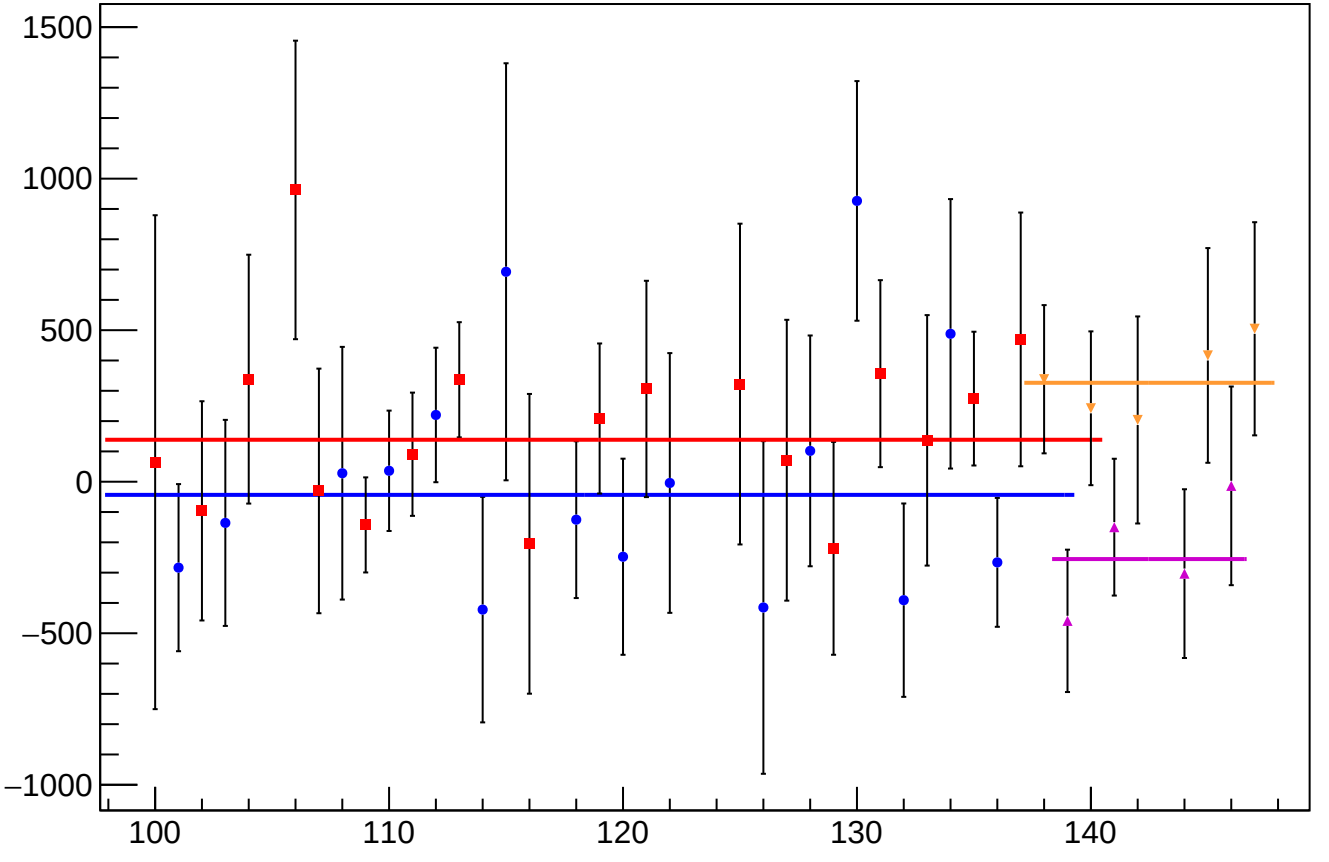
Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

+ sign 10.402+/-0.002 χ^2/NDF: 178754.2/21

All: 10.435+/-0.002 χ^2/NDF: 375268.5/44

- sign 10.469+/-0.002 χ^2/NDF: 196056.0/22

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 326.424+/-132.599 χ^2/NDF:0.6/4

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

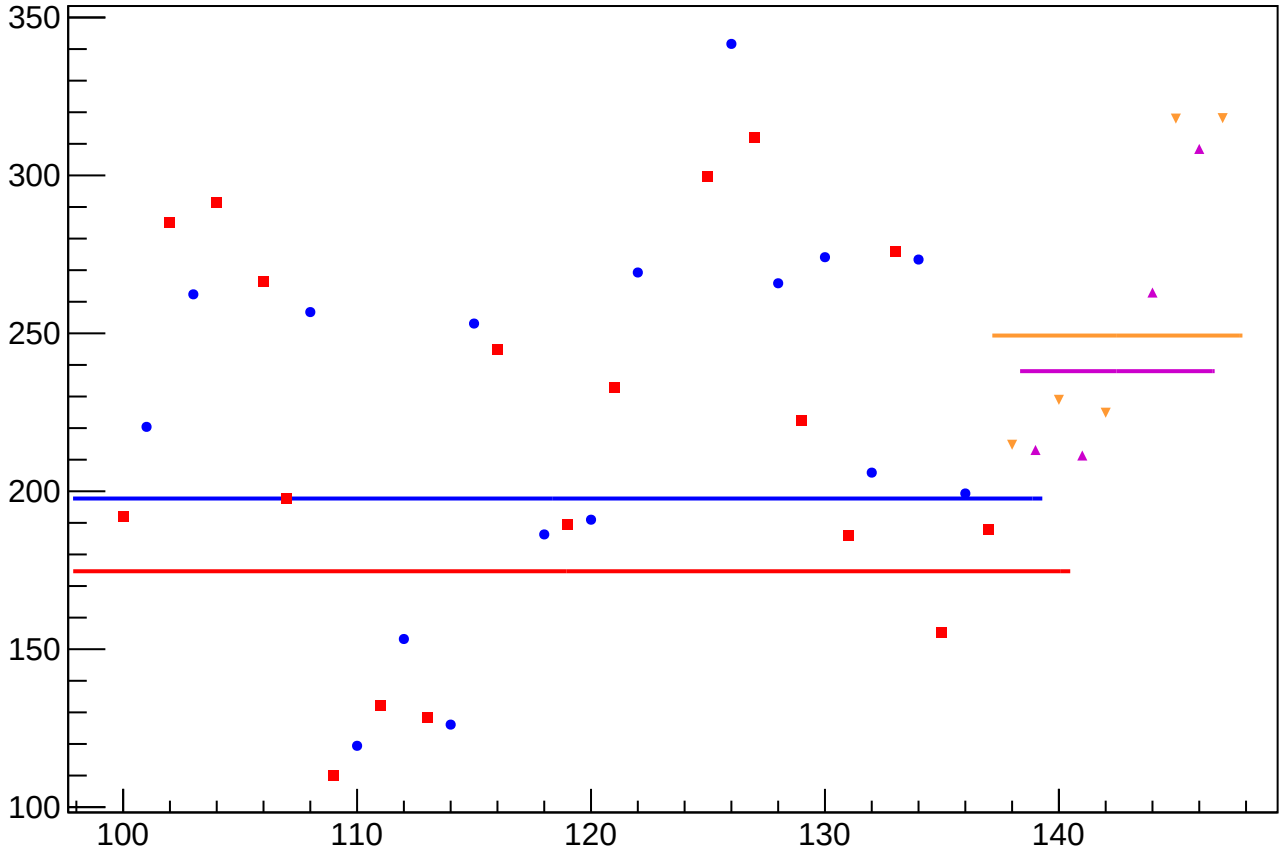
Left In: -255.205+/-129.140 χ^2/NDF:1.5/3

+ sign 50.930+/-66.964 χ^2/NDF: 21.8/20

All: 50.092+/-45.266 χ^2/NDF: 42.0/42

- sign 49.387+/-61.427 χ^2/NDF: 20.2/21

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.306+/-0.094 χ^2/NDF:214856.0/4

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

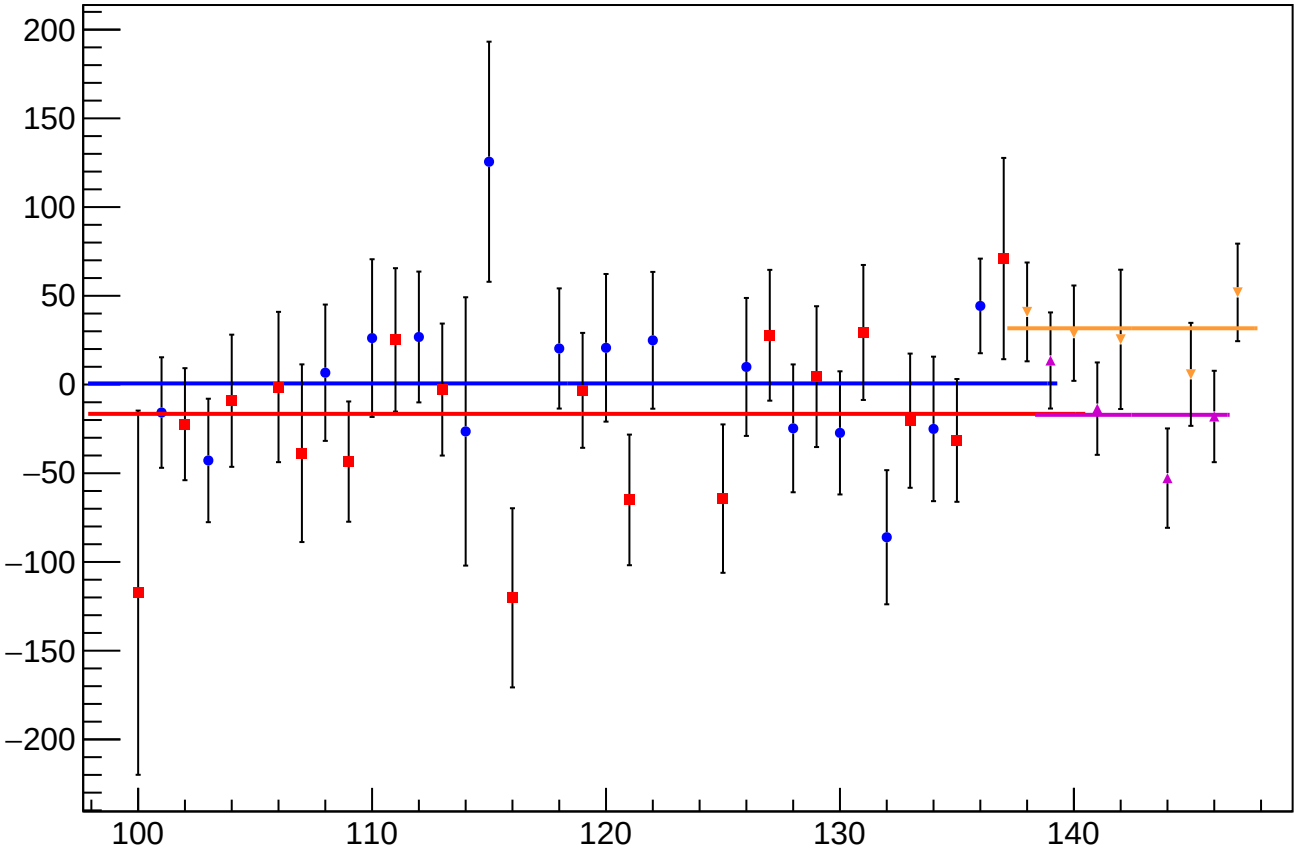
Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

+ sign 210.867+/-0.047 χ^2/NDF: 1440791.9/20

All: 198.999+/-0.032 χ^2/NDF: 3622341.2/42

- sign 189.012+/-0.043 χ^2/NDF: 2065865.4/21

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.692+/-13.091 χ^2/NDF:1.5/4

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

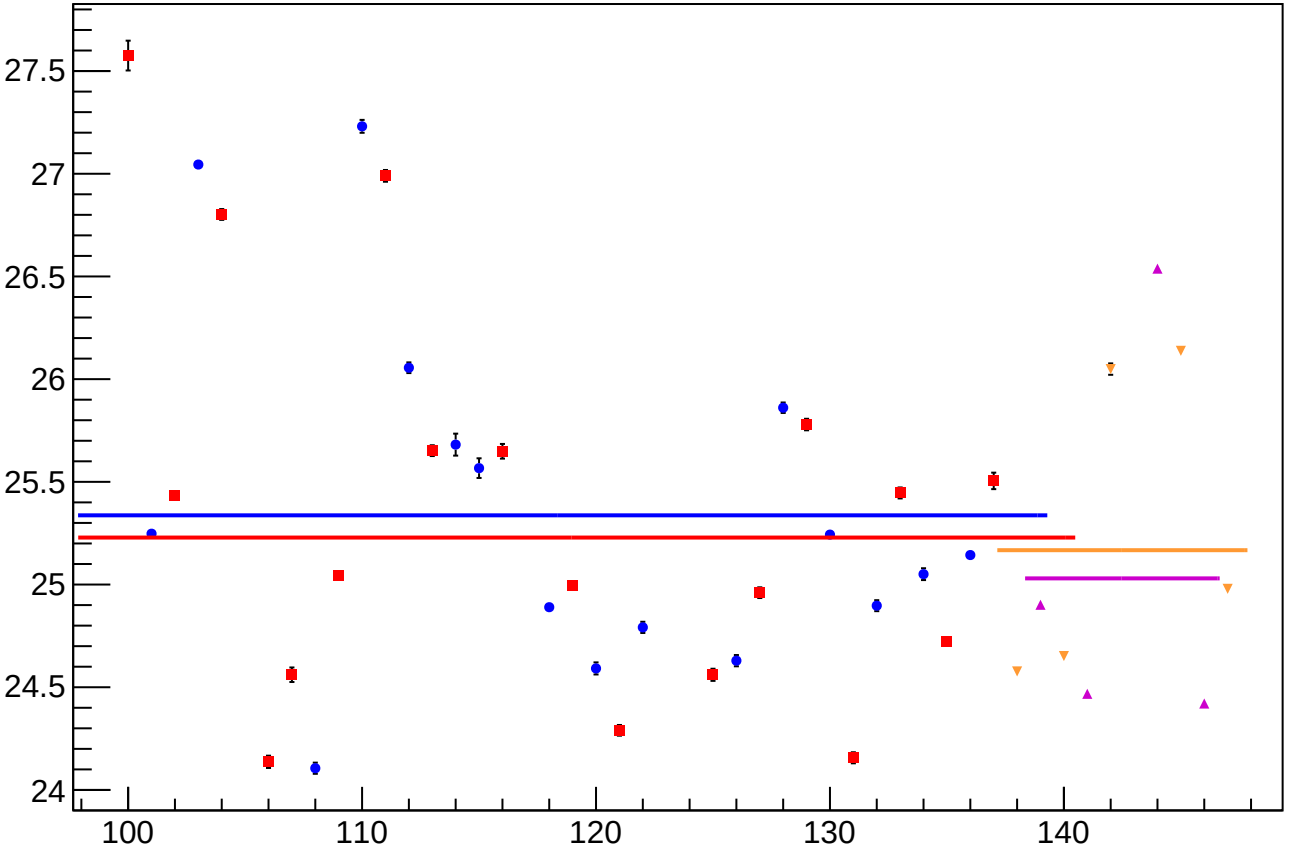
Left In: -17.076+/-13.338 χ^2/NDF:2.9/3

+ sign 11.222+/-7.647 χ^2/NDF: 21.9/20

All: -2.771+/-5.402 χ^2/NDF: 47.9/42

- sign -16.712+/-7.632 χ^2/NDF: 19.3/21

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.167+/-0.009 χ^2/NDF:4974.4/4

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

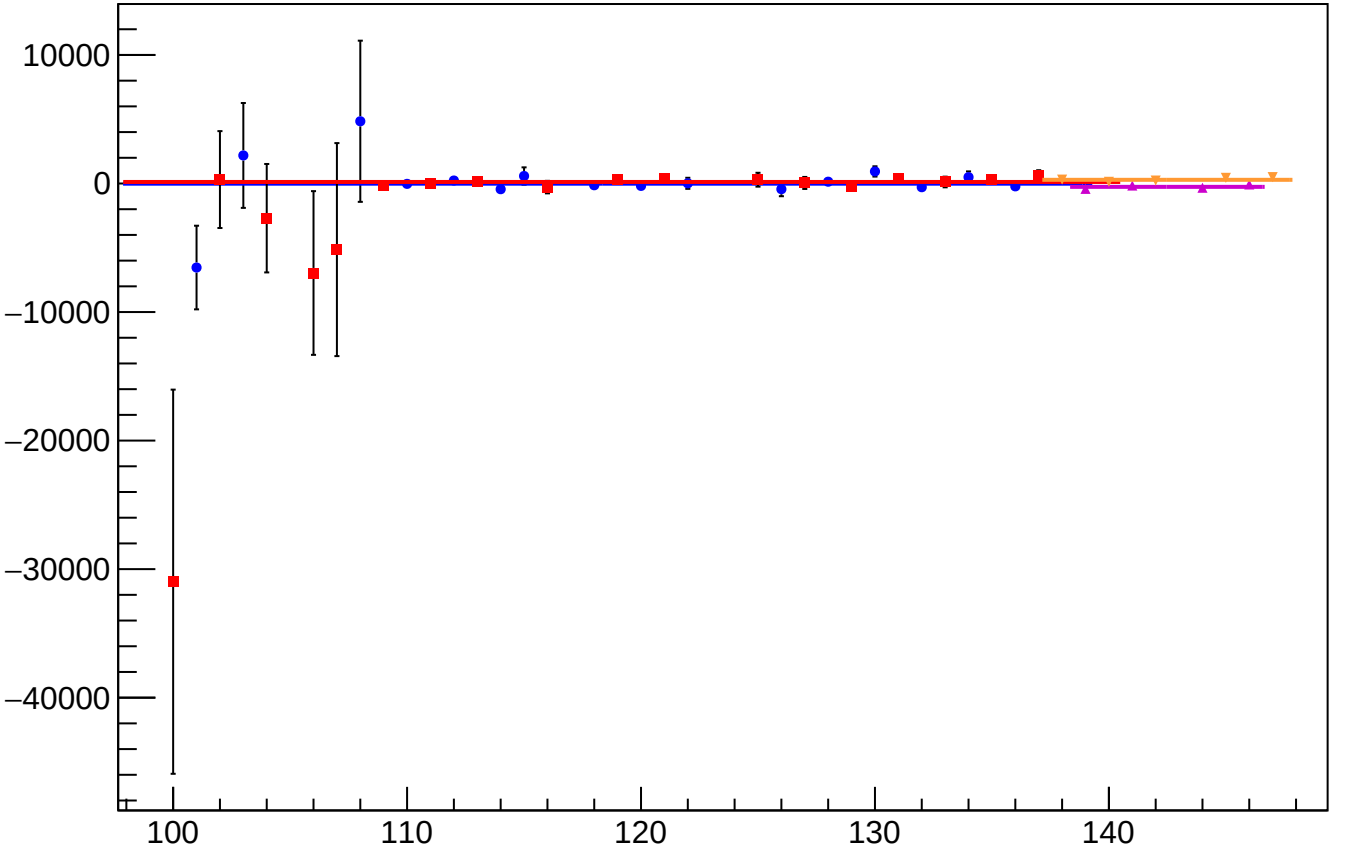
Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

+ sign 25.279+/-0.005 χ^2/NDF: 19511.0/20

All: 25.221+/-0.004 χ^2/NDF: 43108.4/42

- sign 25.164+/-0.005 χ^2/NDF: 23369.3/21

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 286.524+/-131.960 χ^2/NDF:1.0/4

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

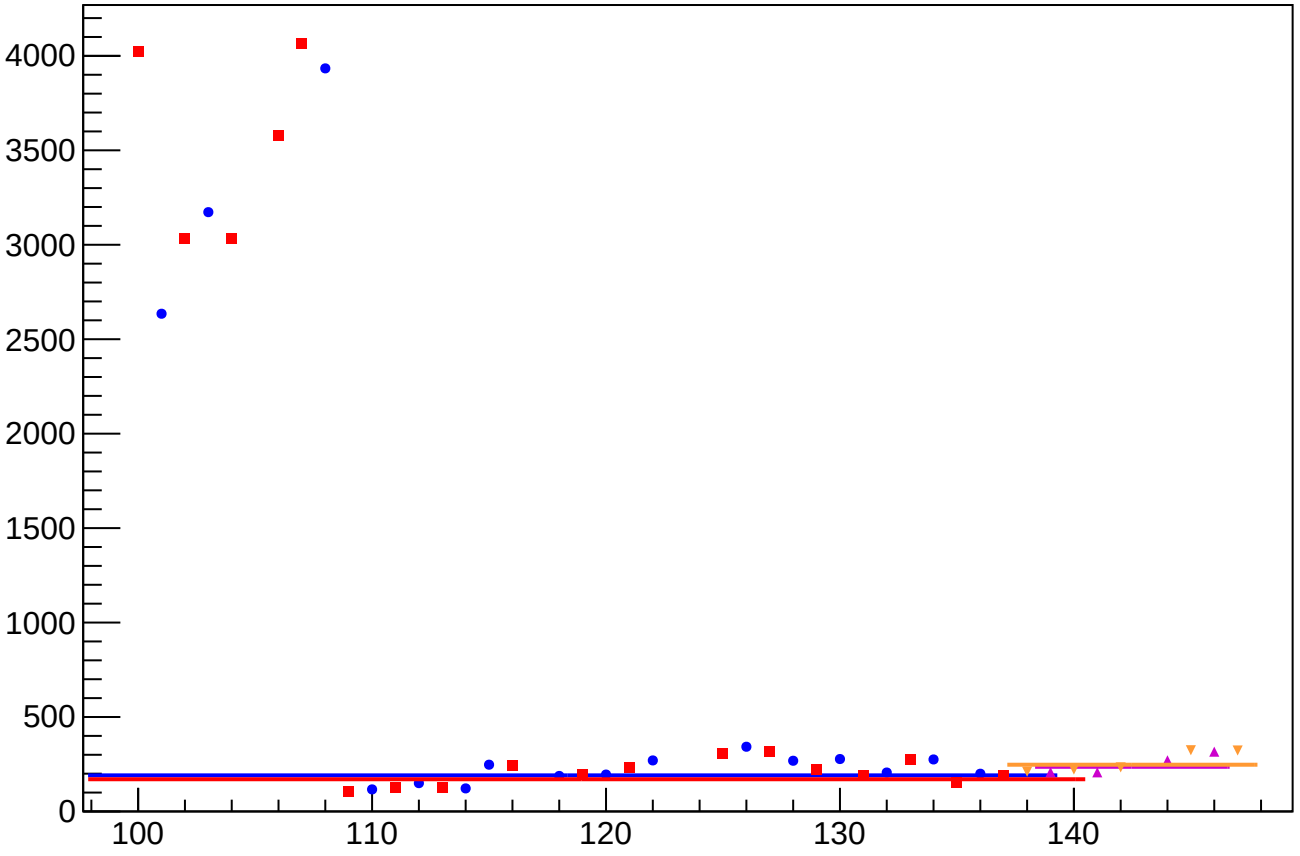
Left In: -261.152+/-128.794 χ^2/NDF:1.0/3

+ sign 73.921+/-71.133 χ^2/NDF: 22.9/20

All: 43.828+/-48.723 χ^2/NDF: 45.1/42

- sign 17.232+/-66.873 χ^2/NDF: 21.8/21

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 247.401+/-0.093 χ^2/NDF:252096.3/4

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

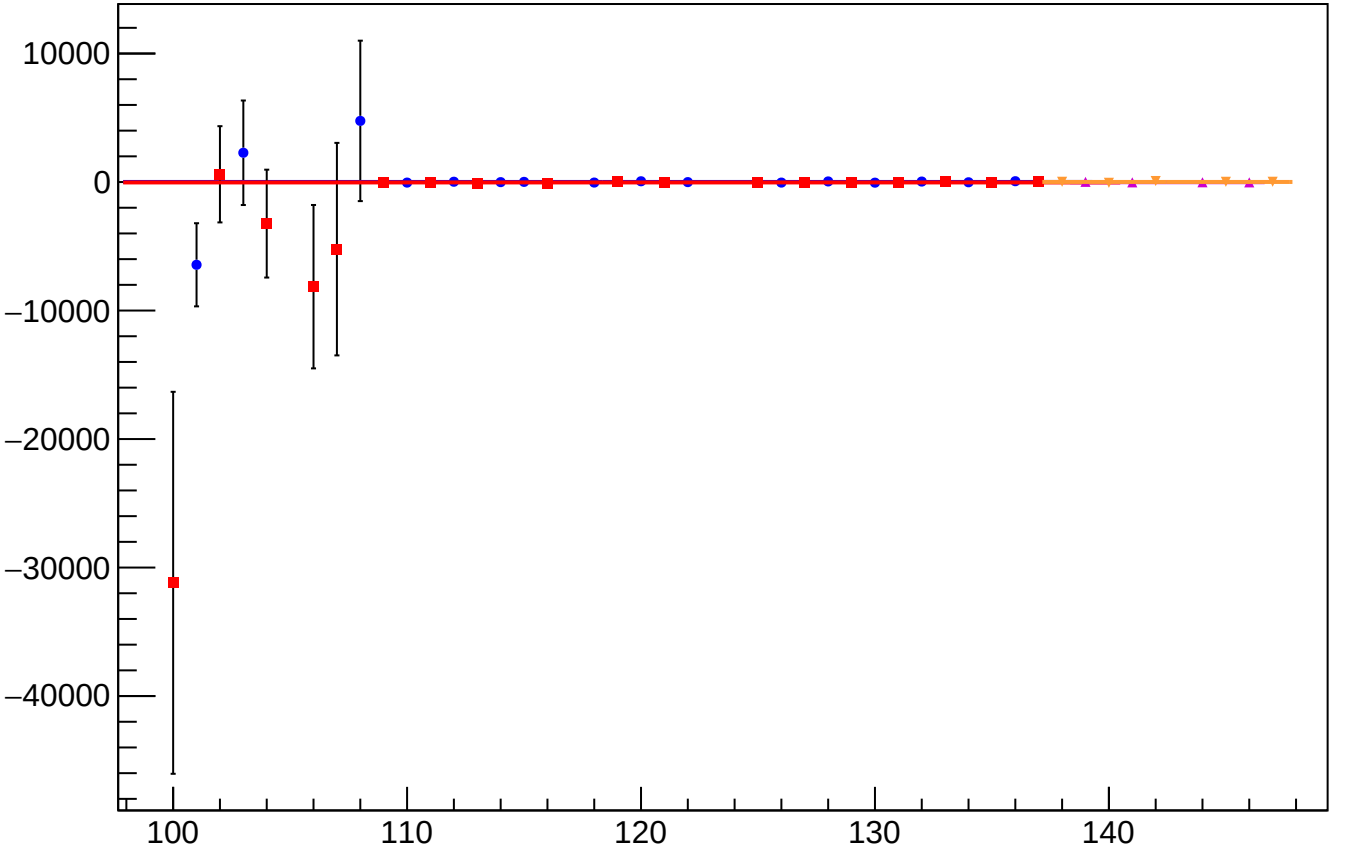
Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

+ sign 207.438+/-0.050 χ^2/NDF: 4344597.1/20

All: 197.267+/-0.034 χ^2/NDF: 9266521.6/42

- sign 188.278+/-0.047 χ^2/NDF: 4844896.0/21

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 7.022+/-15.172 χ^2/NDF:7.5/4

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

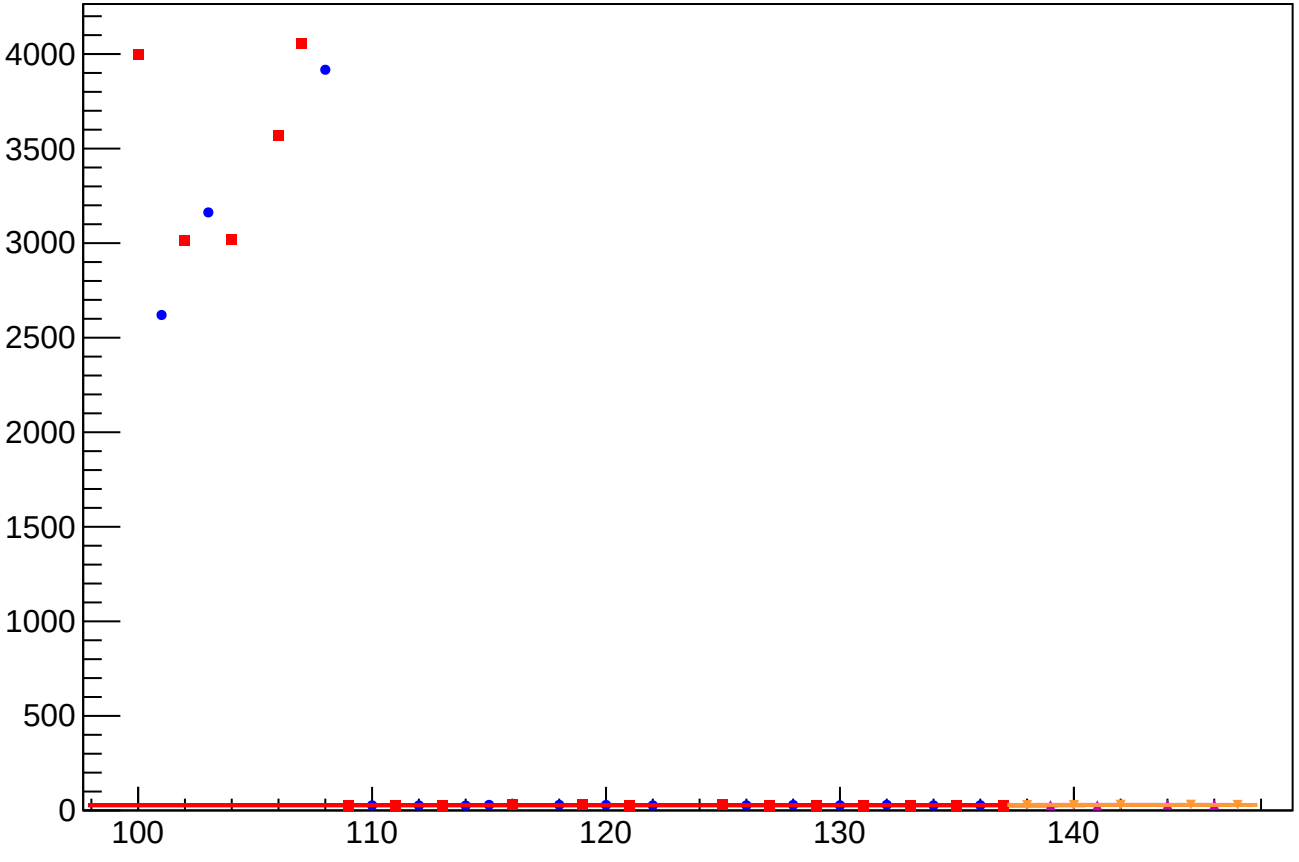
Left In: -12.373+/-15.601 χ^2/NDF:1.1/3

+ sign 6.690+/-9.297 χ^2/NDF: 25.8/20

All: -8.166+/-6.663 χ^2/NDF: 52.9/42

- sign -23.853+/-9.554 χ^2/NDF: 21.9/21

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.092+/-0.011 χ^2/NDF:6905.6/4

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

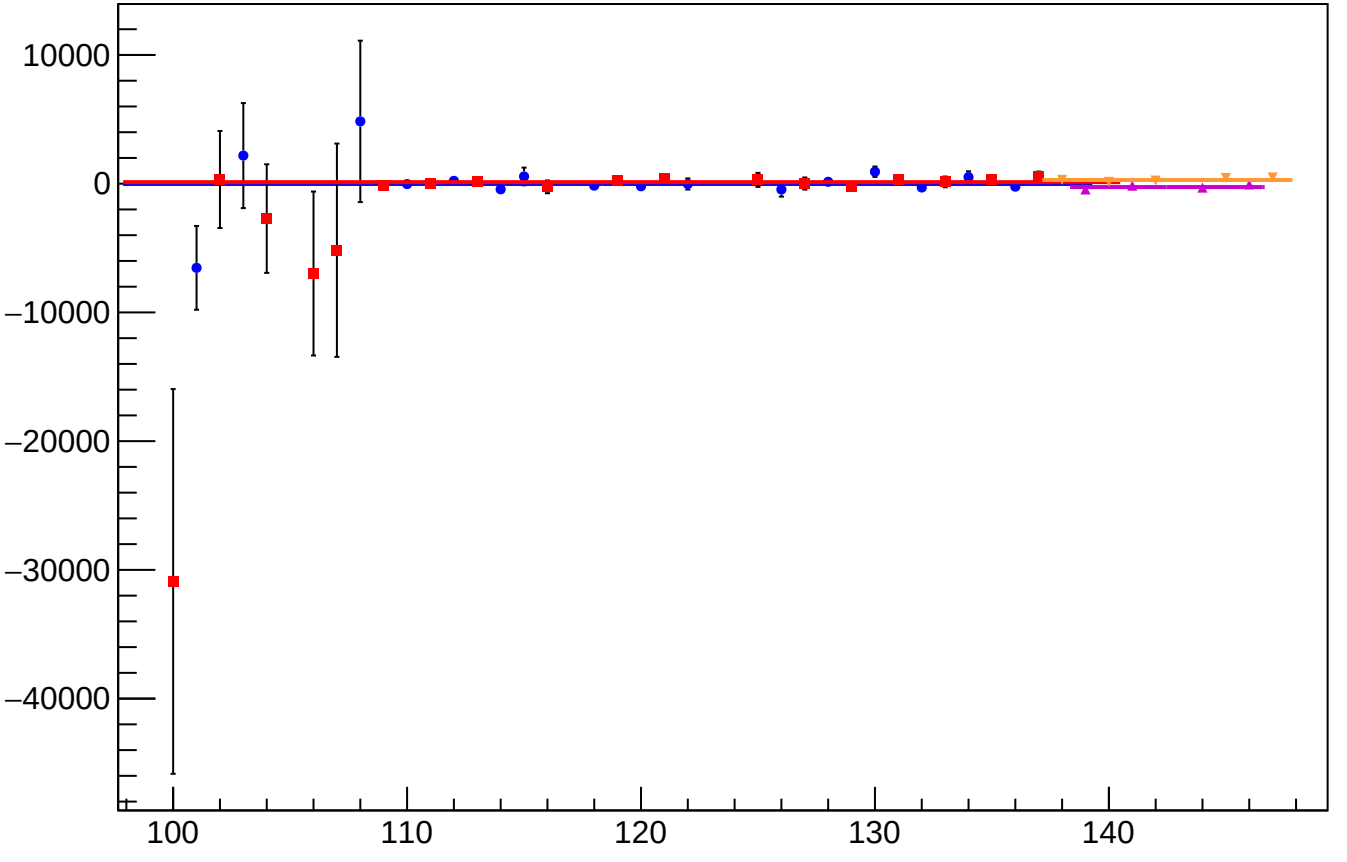
Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

+ sign 28.301+/-0.007 χ^2/NDF: 3281515.6/20

All: 28.308+/-0.005 χ^2/NDF: 6875475.7/42

- sign 28.316+/-0.007 χ^2/NDF: 3593957.6/21

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 288.141+/-132.599 χ^2/NDF:0.9/4

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

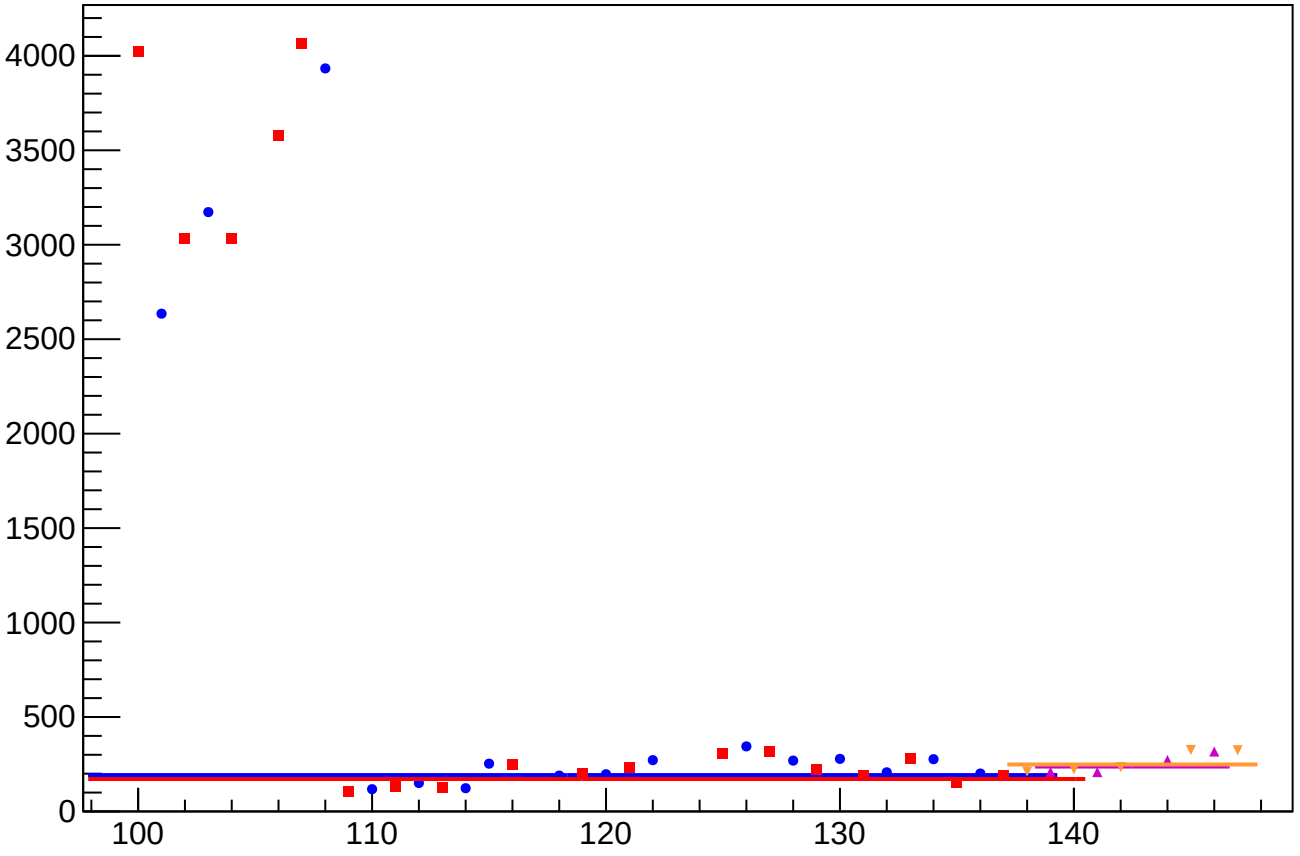
Left In: -260.272+/-129.456 χ^2/NDF:1.3/3

+ sign 70.177+/-71.597 χ^2/NDF: 22.8/20

All: 42.616+/-49.052 χ^2/NDF: 44.0/42

- sign 18.236+/-67.338 χ^2/NDF: 20.9/21

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 248.626+/-0.094 χ^2/NDF:250698.3/4

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

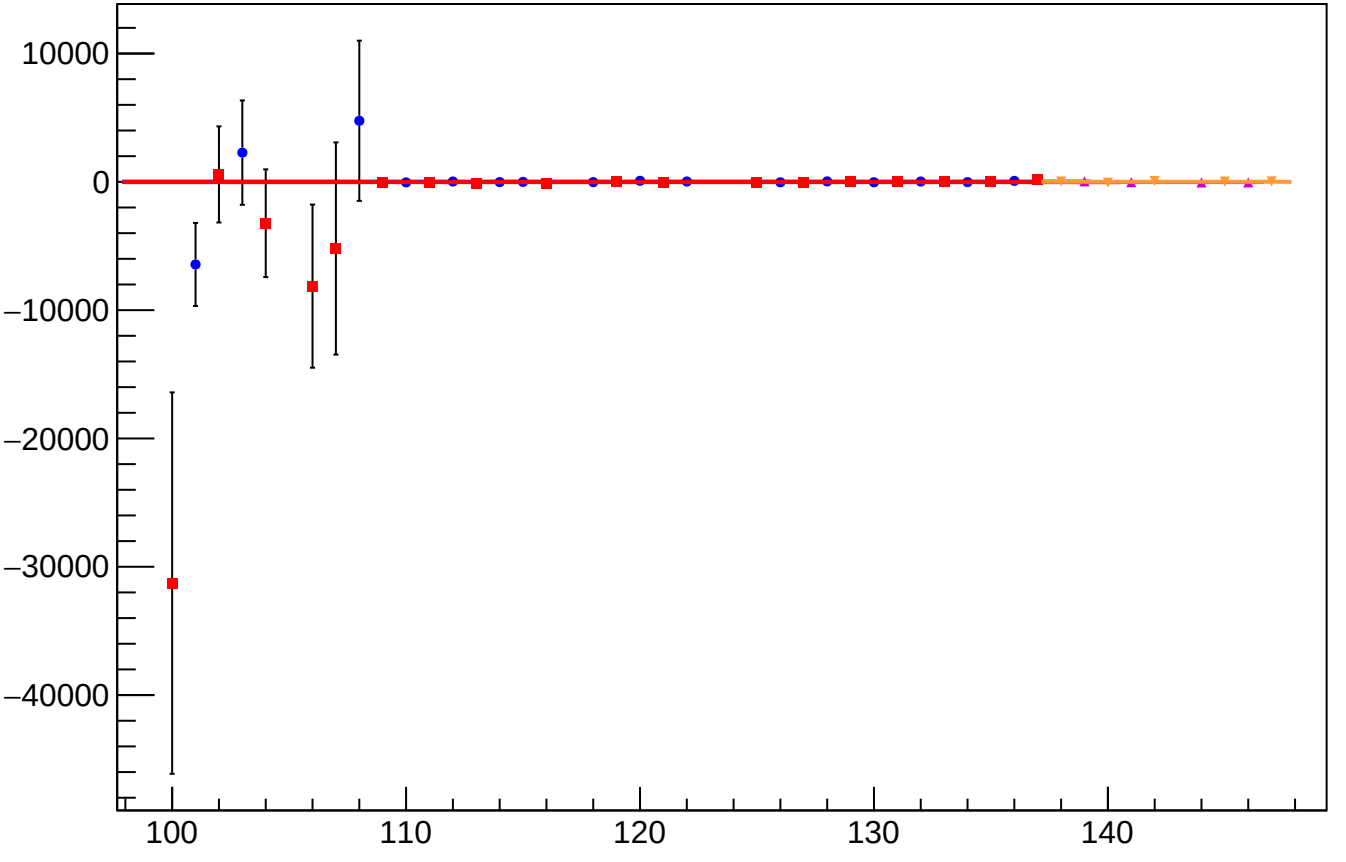
Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

+ sign 208.906+/-0.051 χ^2/NDF: 4326803.8/20

All: 198.721+/-0.035 χ^2/NDF: 9232412.1/42

- sign 189.711+/-0.048 χ^2/NDF: 4829329.1/21

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 5.486+/-16.544 χ^2/NDF:6.7/4

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

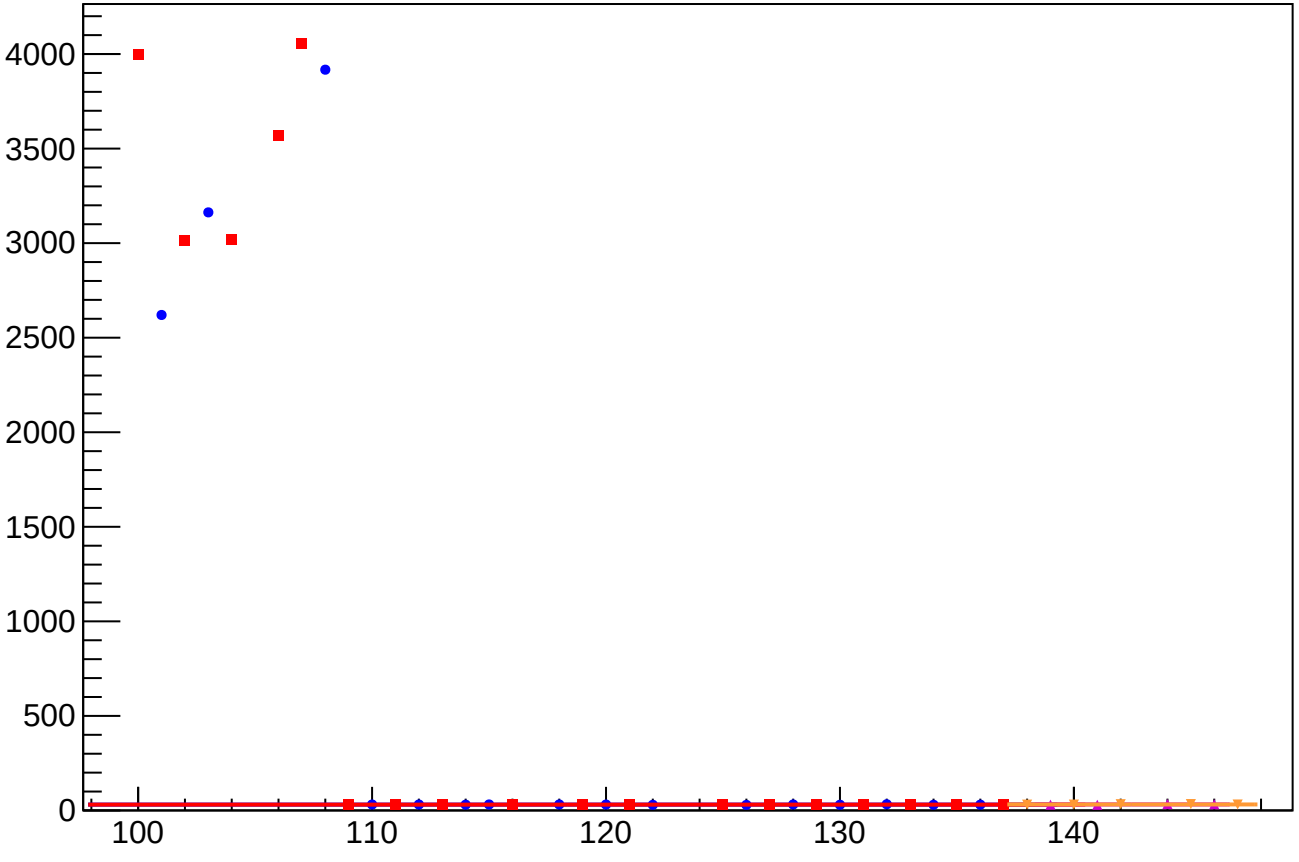
Left In: -18.422+/-16.965 χ^2/NDF:4.3/3

+ sign 10.554+/-10.252 χ^2/NDF: 22.3/20

All: -4.626+/-7.338 χ^2/NDF: 59.5/42

- sign -20.570+/-10.507 χ^2/NDF: 32.7/21

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.738+/-0.012 χ^2/NDF:9277.7/4

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

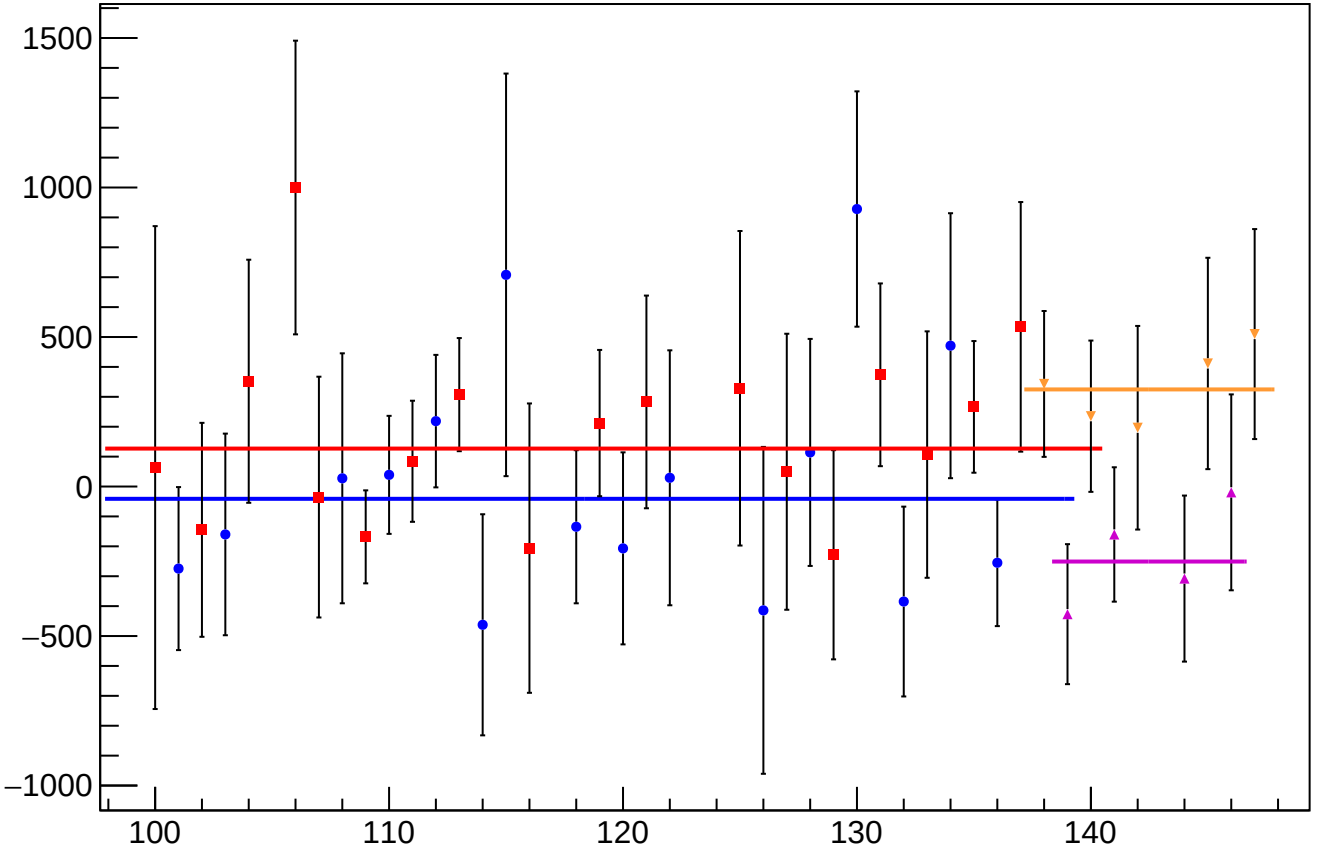
Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

\+ sign 31.239+/-0.007 χ^2/NDF: 3264833.2/20

All: 31.214+/-0.005 χ^2/NDF: 6822648.1/42

\- sign 31.187+/-0.007 χ^2/NDF: 3557790.1/21

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 324.724+/-132.245 χ^2/NDF:0.6/4

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

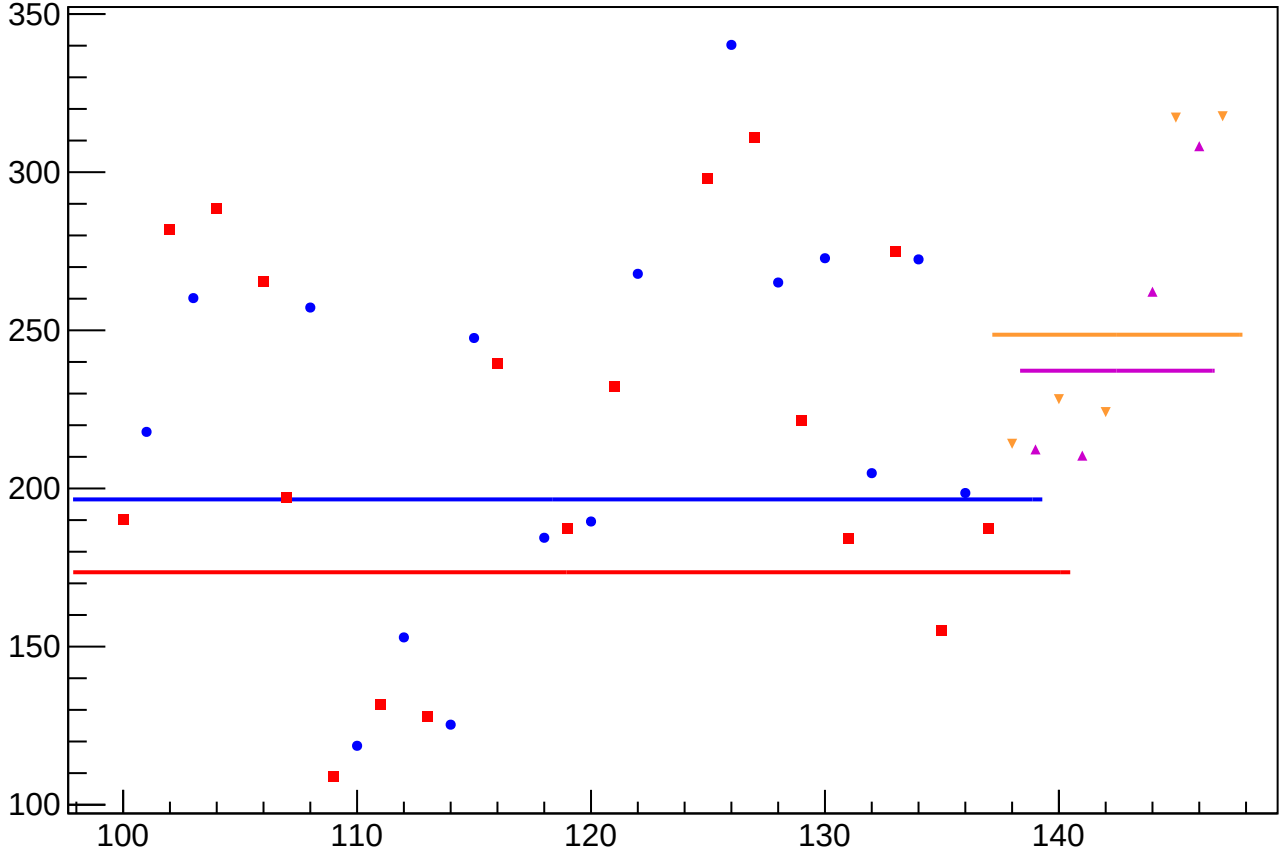
Left In: -250.890+/-128.736 χ^2/NDF:1.3/3

\+ sign 51.760+/-66.632 χ^2/NDF: 21.9/20

All: 46.381+/-45.024 χ^2/NDF: 42.7/42

\- sign 41.861+/-61.077 χ^2/NDF: 20.7/21

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 248.615+/-0.094 χ^2/NDF:216084.5/4

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

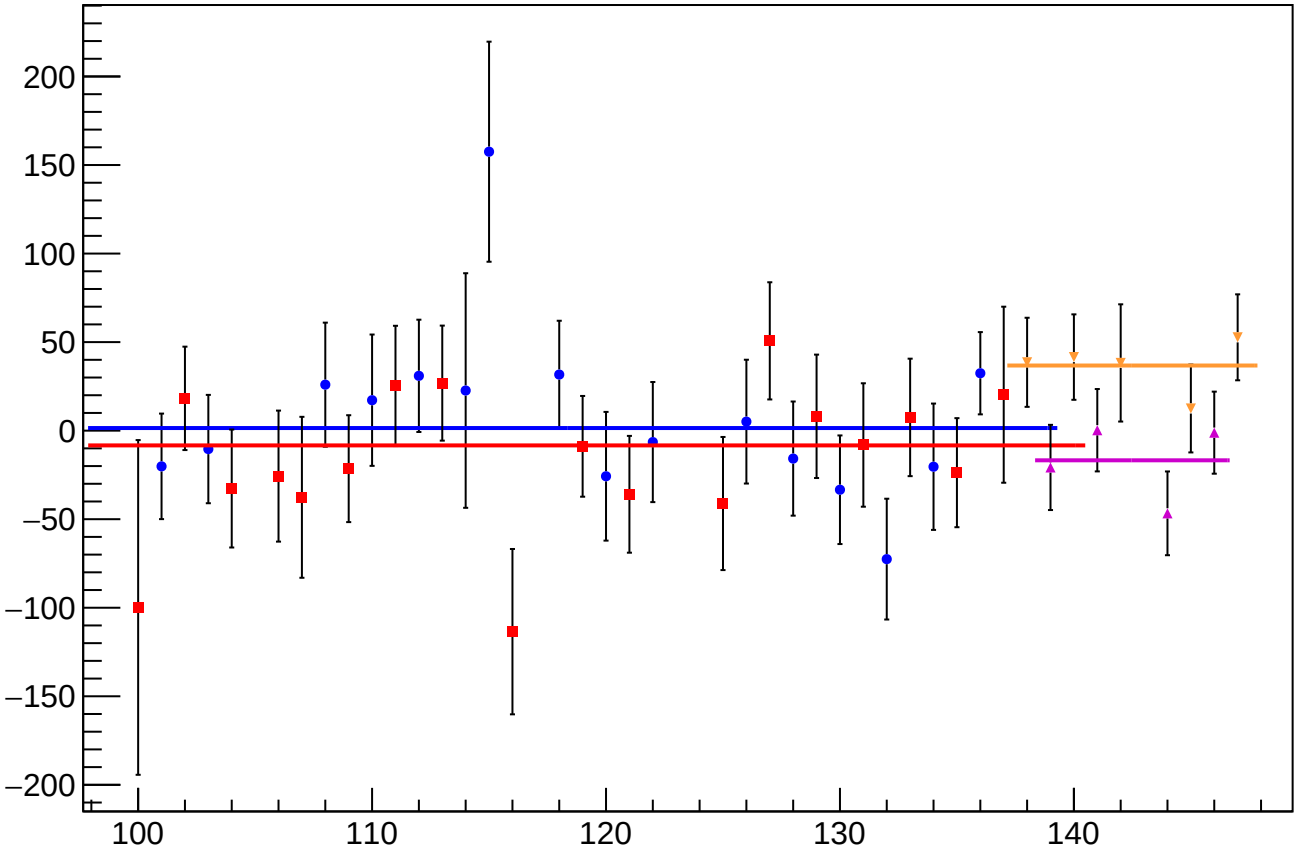
Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

+ sign 209.762+/-0.047 χ^2/NDF: 1448224.7/20

All: 197.856+/-0.032 χ^2/NDF: 3639401.4/42

- sign 187.852+/-0.043 χ^2/NDF: 2073669.1/21

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 36.785+/-11.522 χ^2/NDF:1.4/4

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

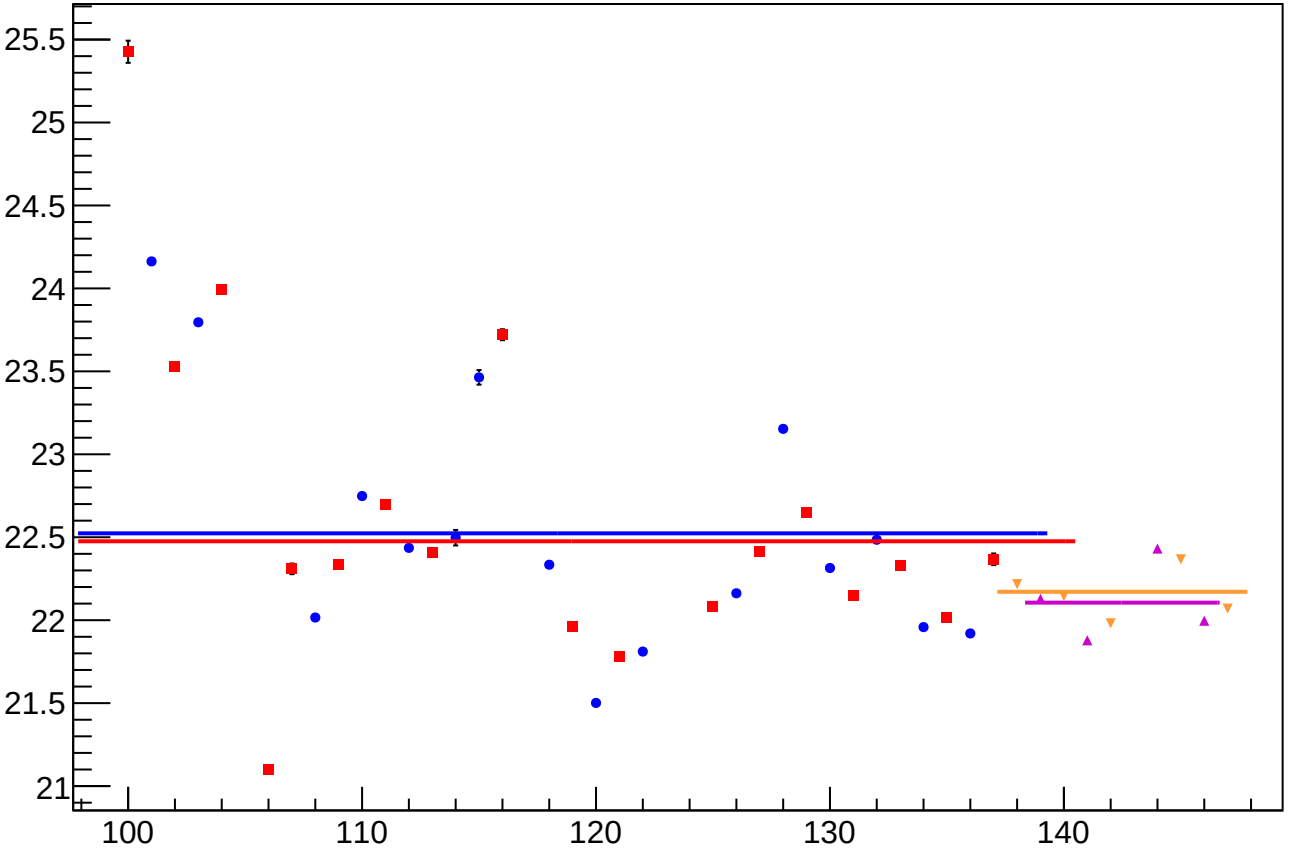
Left In: -16.748+/-11.763 χ^2/NDF:2.6/3

\+ sign 13.673+/-6.772 χ^2/NDF: 26.3/20

All: 1.279+/-4.789 χ^2/NDF: 51.9/42

\- sign -11.121+/-6.774 χ^2/NDF: 19.0/21

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.171+/-0.008 χ^2/NDF:234.2/4

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

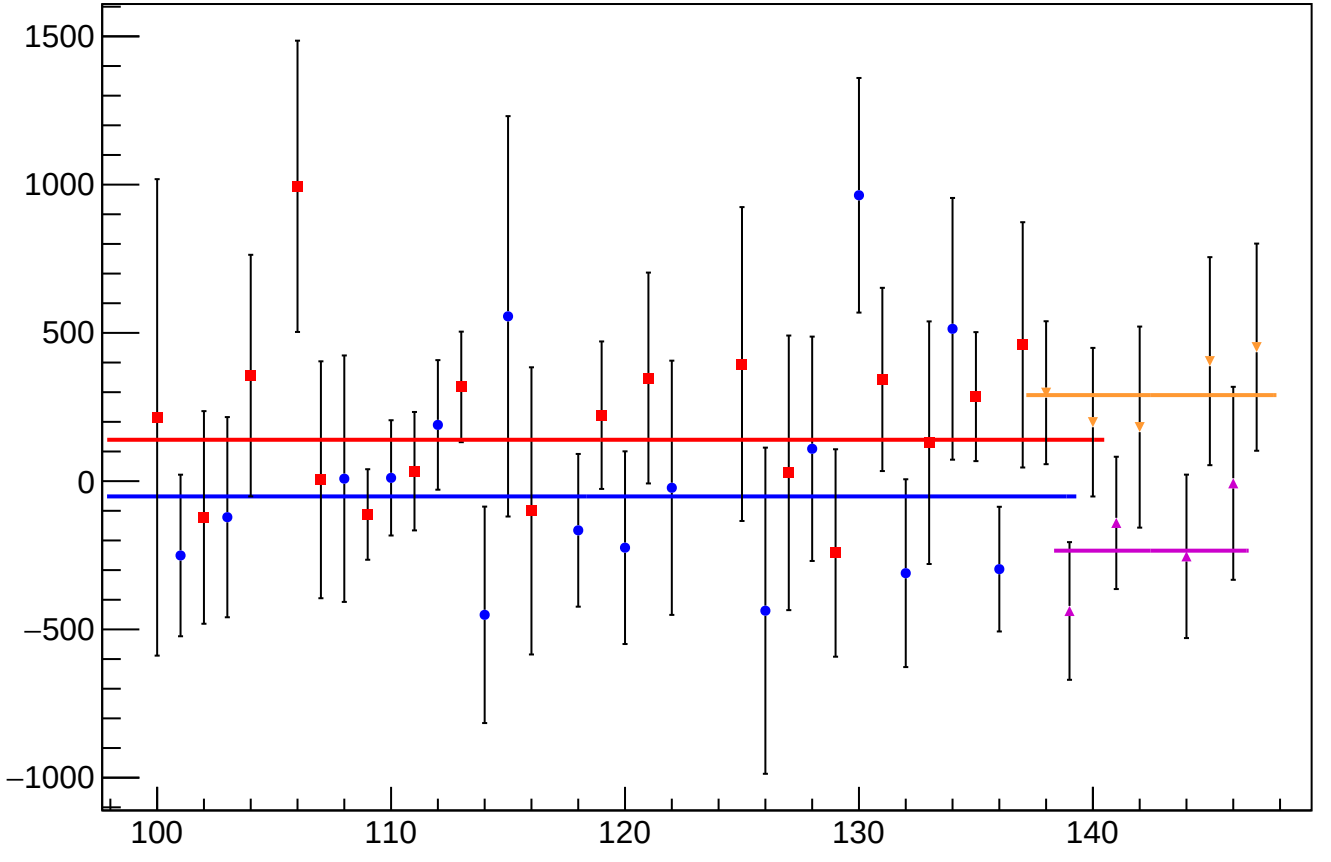
Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

\+ sign 22.402+/-0.005 χ^2/NDF: 17406.3/20

All: 22.377+/-0.003 χ^2/NDF: 34932.7/42

\- sign 22.353+/-0.005 χ^2/NDF: 17474.4/21

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 290.186+/-131.121 χ^2/NDF:0.6/4

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

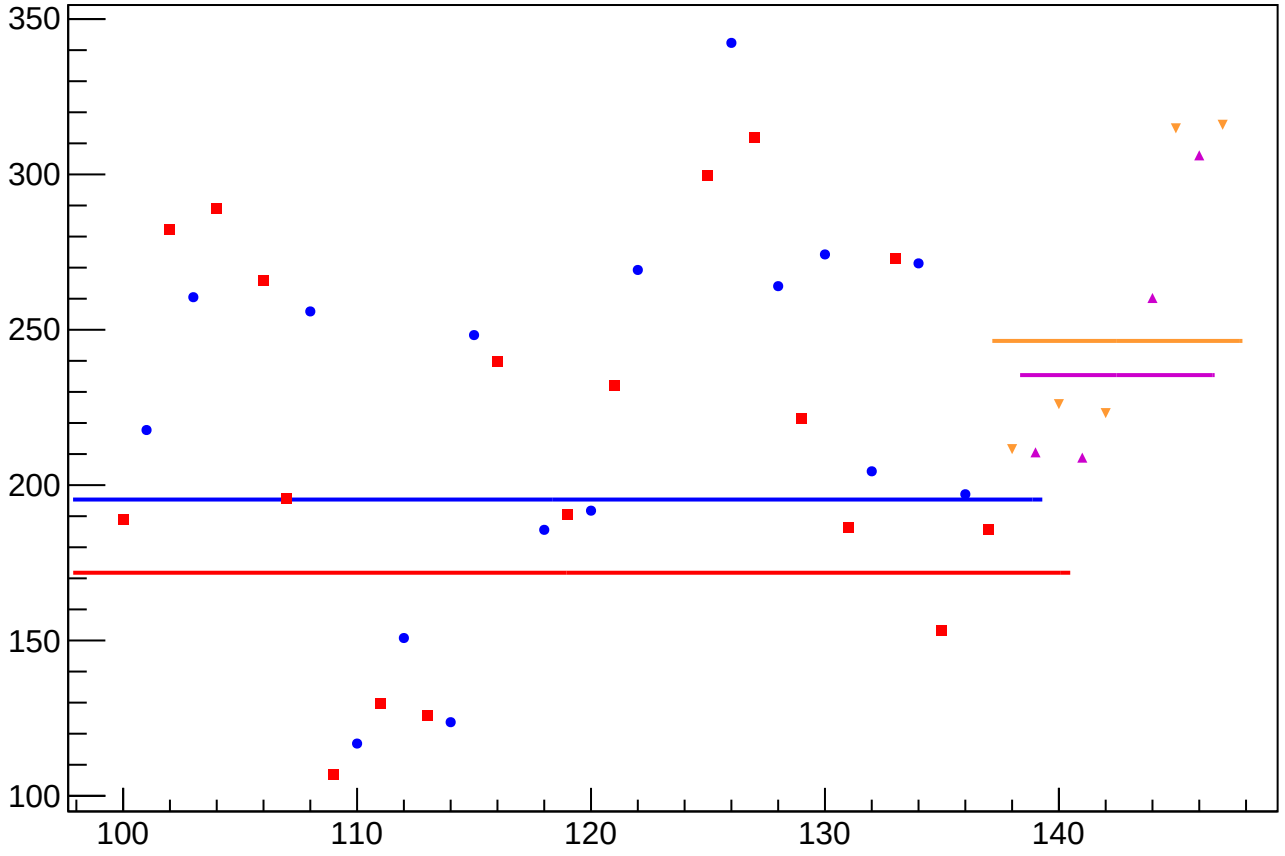
Left In: -234.435+/-127.769 χ^2/NDF:1.4/3

\+ sign 35.781+/-66.268 χ^2/NDF: 21.0/20

All: 46.414+/-44.735 χ^2/NDF: 40.6/42

\- sign 55.316+/-60.636 χ^2/NDF: 19.6/21

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 246.416+/-0.093 χ^2/NDF:219771.8/4

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

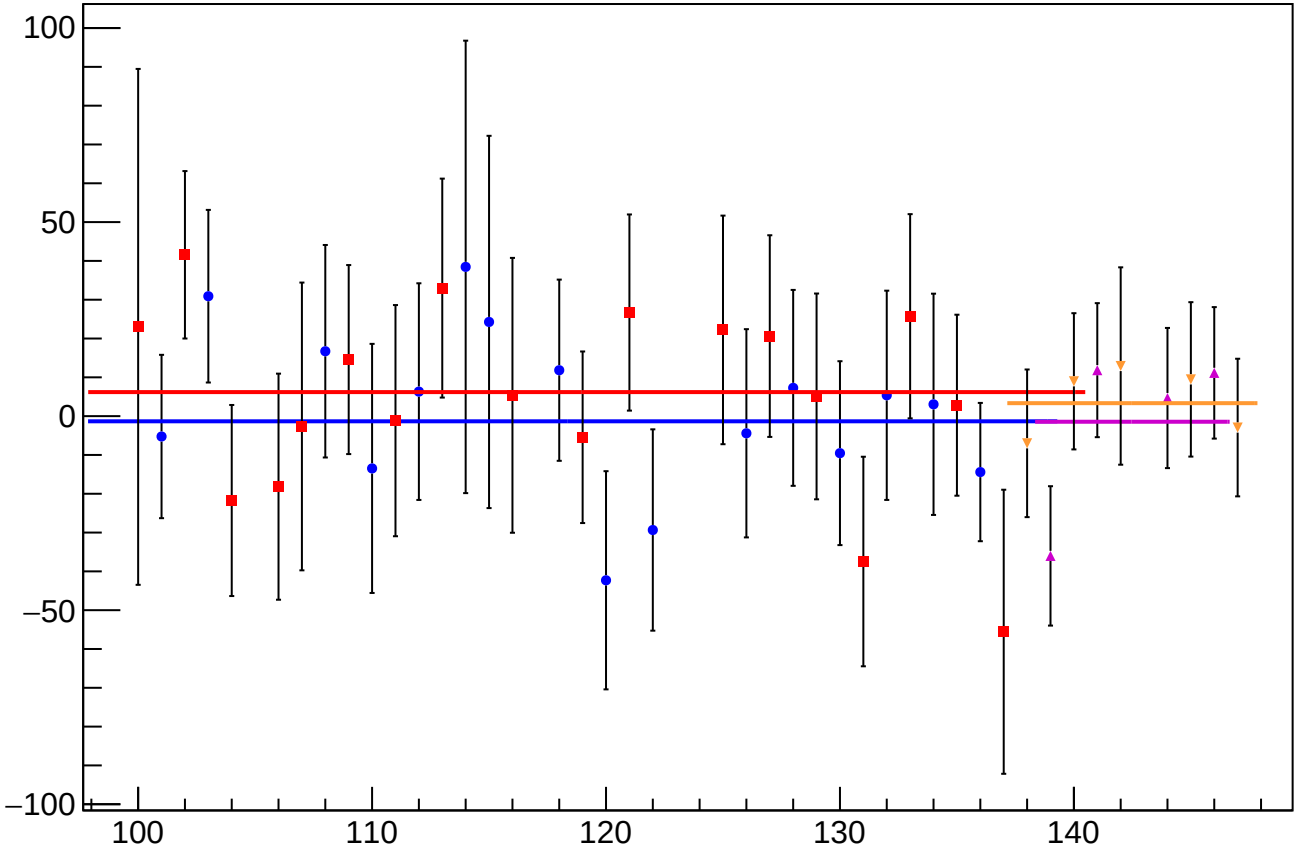
Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

+ sign 208.402+/-0.047 χ^2/NDF: 1486980.5/20

All: 196.280+/-0.032 χ^2/NDF: 3756610.7/42

- sign 186.131+/-0.043 χ^2/NDF: 2146683.1/21

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.343+/-8.683 χ^2/NDF:0.8/4

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

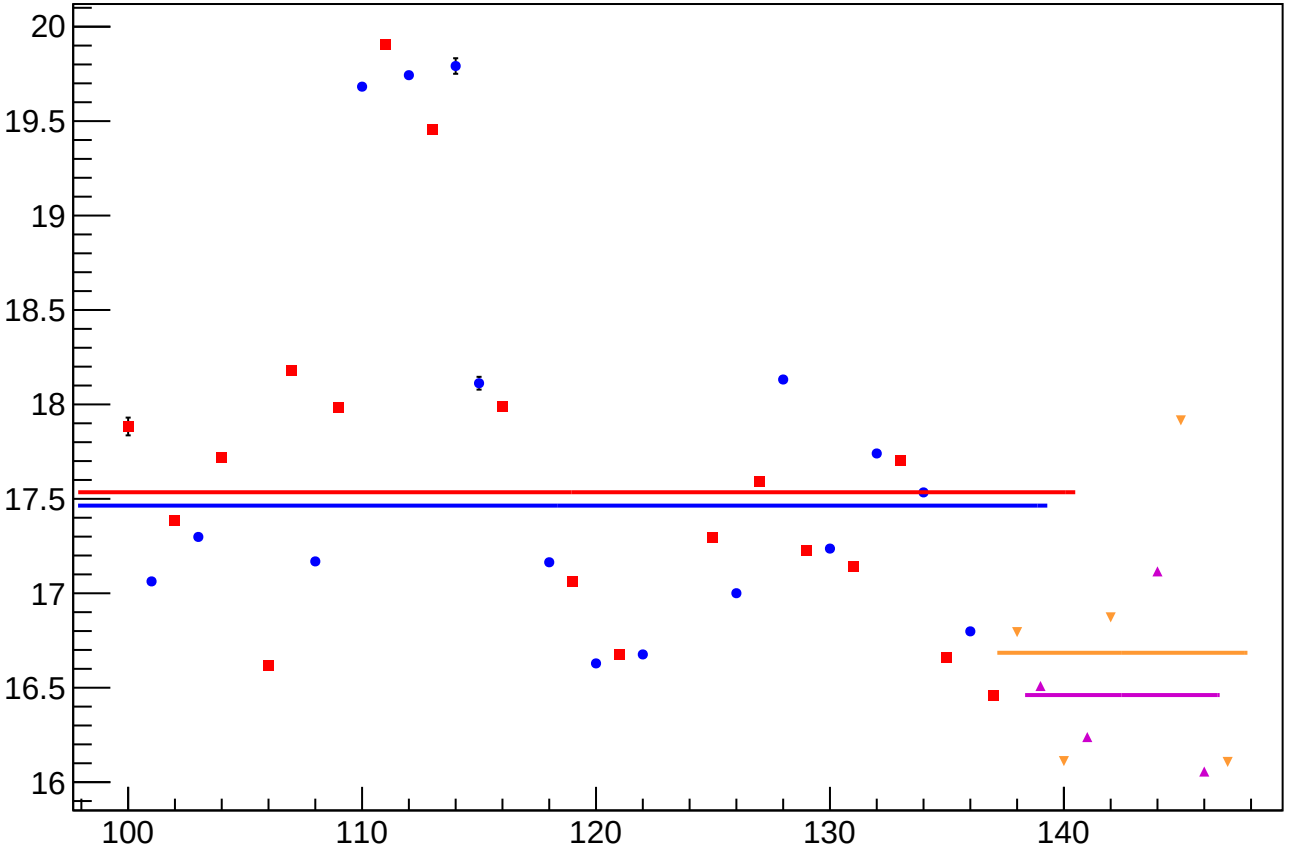
Left In: -1.444+/-8.769 χ^2/NDF:5.0/3

+ sign 0.347+/-5.203 χ^2/NDF: 9.0/20

All: 1.922+/-3.681 χ^2/NDF: 28.1/42

- sign 3.501+/-5.208 χ^2/NDF: 18.9/21

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.685+/-0.006 χ^2/NDF:12087.7/4

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

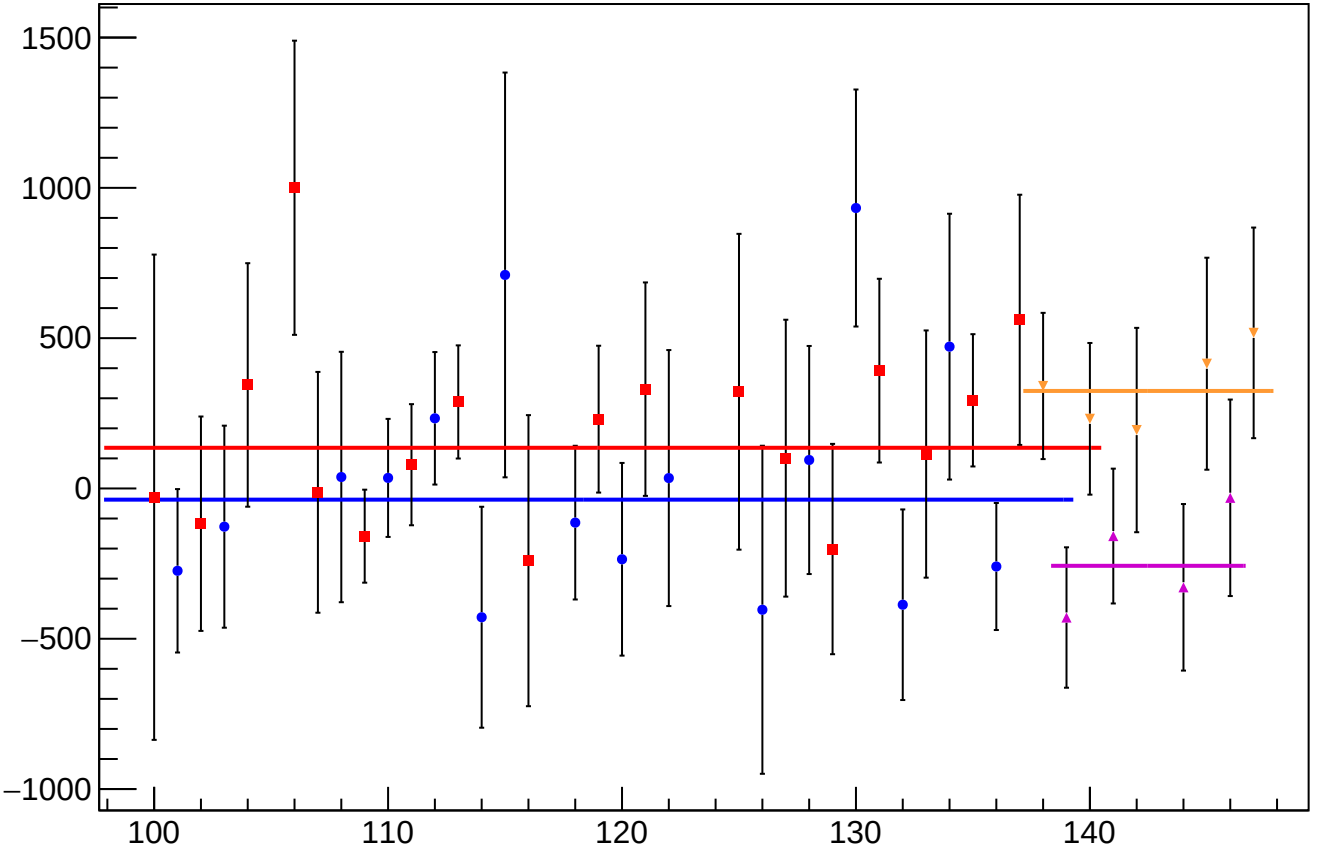
Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

\+ sign 17.184+/-0.004 χ^2/NDF: 59060.4/20

All: 17.170+/-0.003 χ^2/NDF: 117097.2/42

\- sign 17.156+/-0.004 χ^2/NDF: 58007.6/21

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 324.375+/-131.927 χ^2/NDF:0.7/4

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

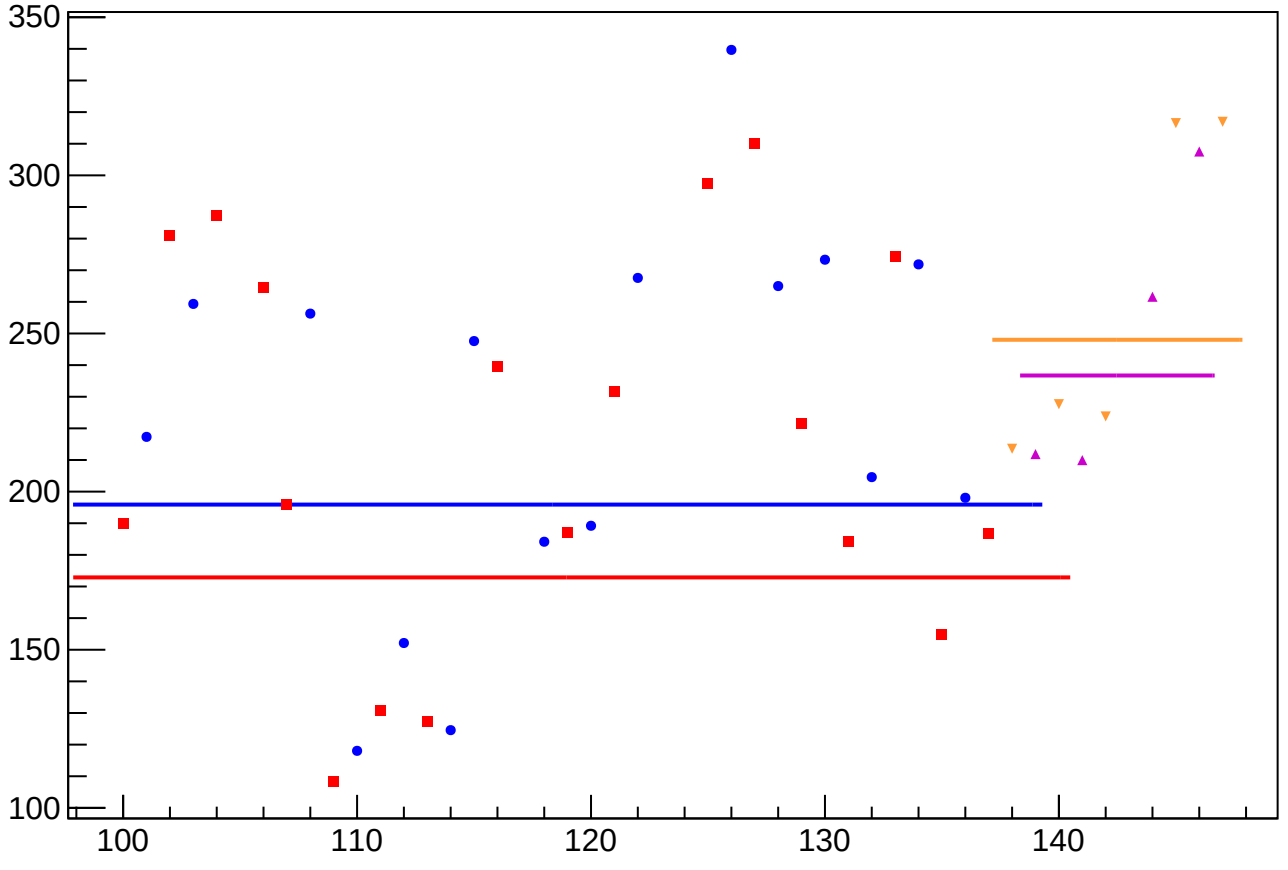
Left In: -257.340+/-128.457 χ^2/NDF:1.3/3

\+ sign 54.493+/-66.447 χ^2/NDF: 21.9/20

All: 50.449+/-44.893 χ^2/NDF: 43.2/42

\- sign 47.053+/-60.893 χ^2/NDF: 21.3/21

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 248.013+/-0.093 χ^2/NDF:216229.4/4

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

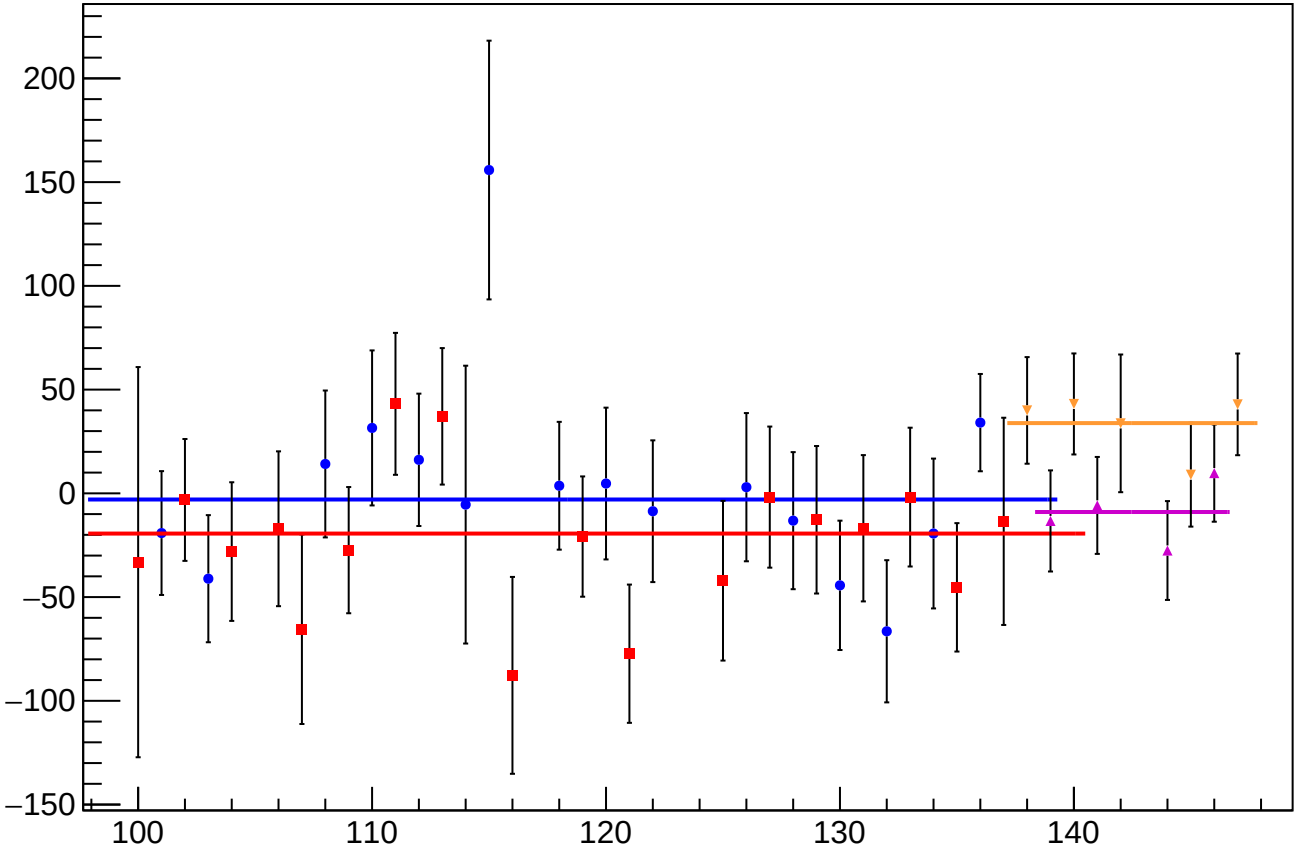
Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

+ sign 209.120+/-0.047 χ^2/NDF: 1460153.5/20

All: 197.216+/-0.032 χ^2/NDF: 3665659.3/42

- sign 187.219+/-0.043 χ^2/NDF: 2087415.0/21

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 33.858+/-11.646 χ^2/NDF:1.3/4

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

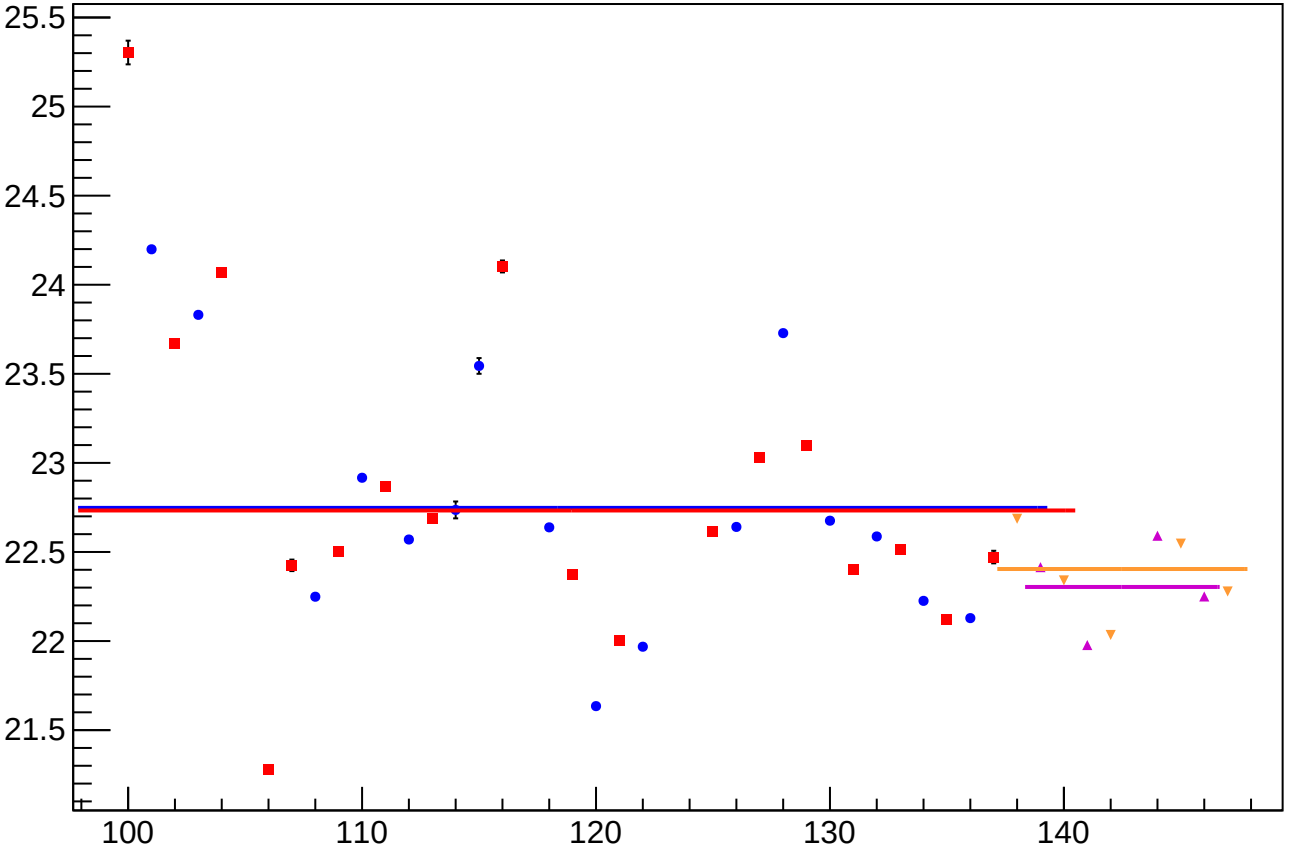
Left In: -8.995+/-11.869 χ^2/NDF:1.3/3

+ sign 9.742+/-6.841 χ^2/NDF: 25.8/20

All: -3.084+/-4.839 χ^2/NDF: 49.2/42

- sign -15.929+/-6.846 χ^2/NDF: 16.3/21

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.404+/-0.008 χ^2/NDF:621.6/4

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

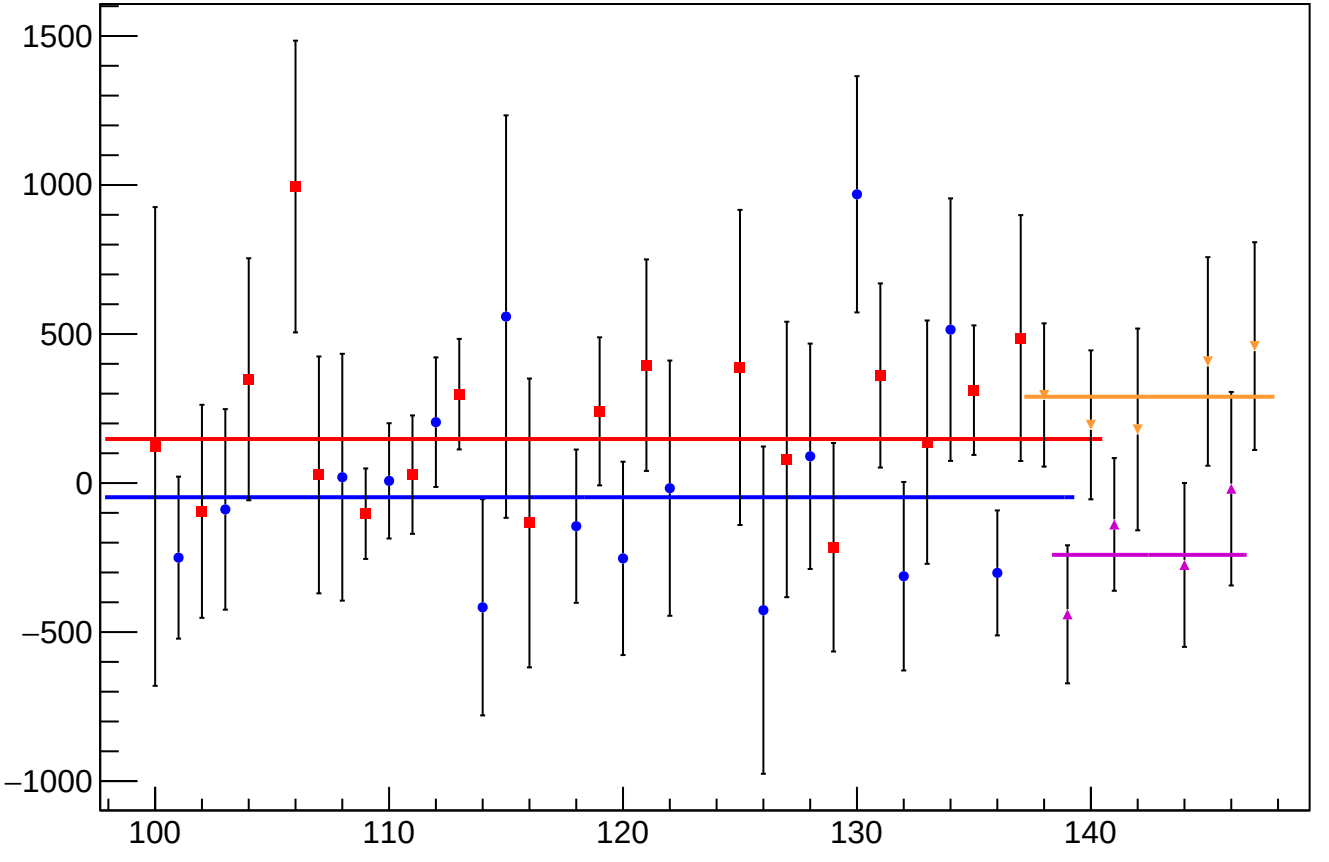
Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

+ sign 22.629+/-0.005 χ^2/NDF: 16380.9/20

All: 22.610+/-0.003 χ^2/NDF: 33281.6/42

- sign 22.590+/-0.005 χ^2/NDF: 16868.2/21

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 289.630+/-130.802 χ^2/NDF:0.6/4

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

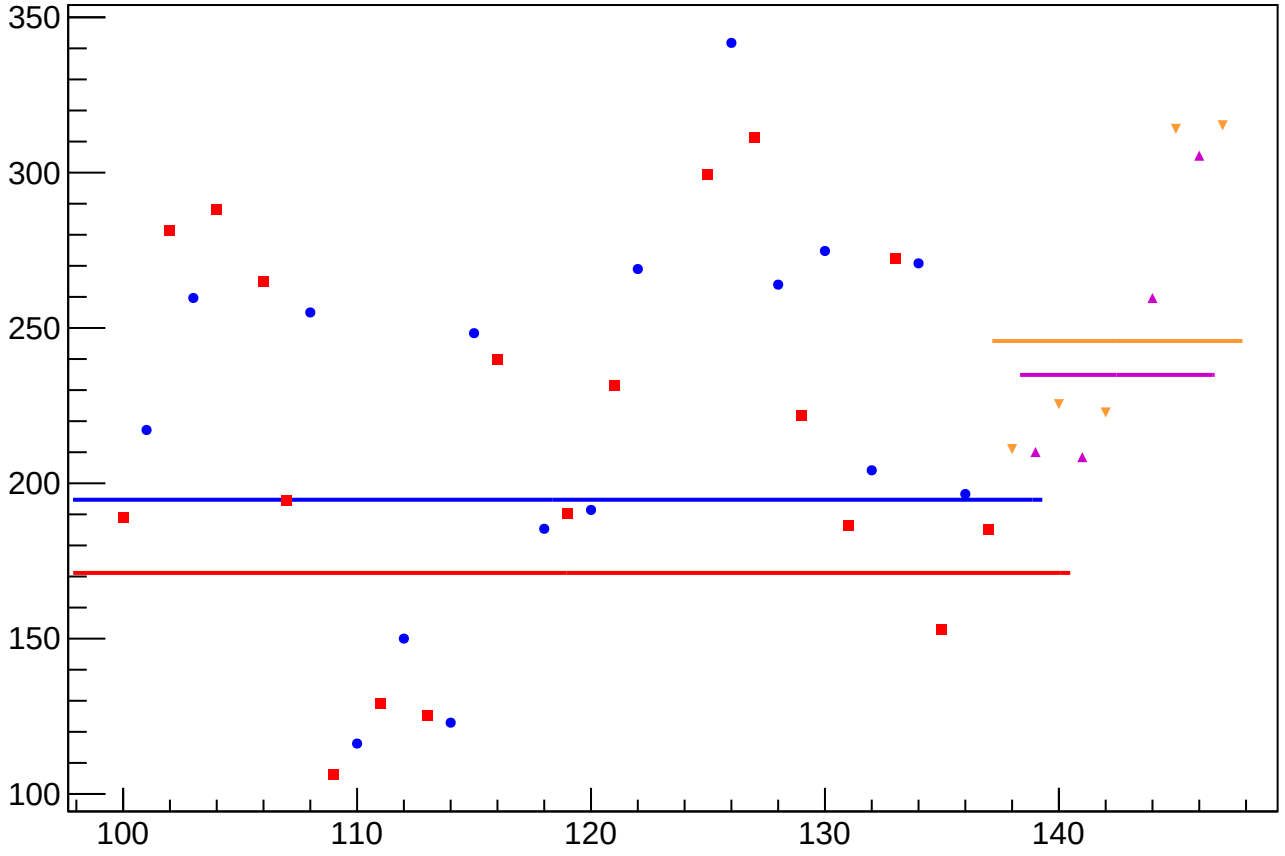
Left In: -240.893+/-127.488 χ^2/NDF:1.4/3

+ sign 38.528+/-66.081 χ^2/NDF: 20.9/20

All: 50.445+/-44.603 χ^2/NDF: 41.2/42

- sign 60.418+/-60.450 χ^2/NDF: 20.2/21

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 245.813+/-0.092 χ^2/NDF:219936.3/4

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

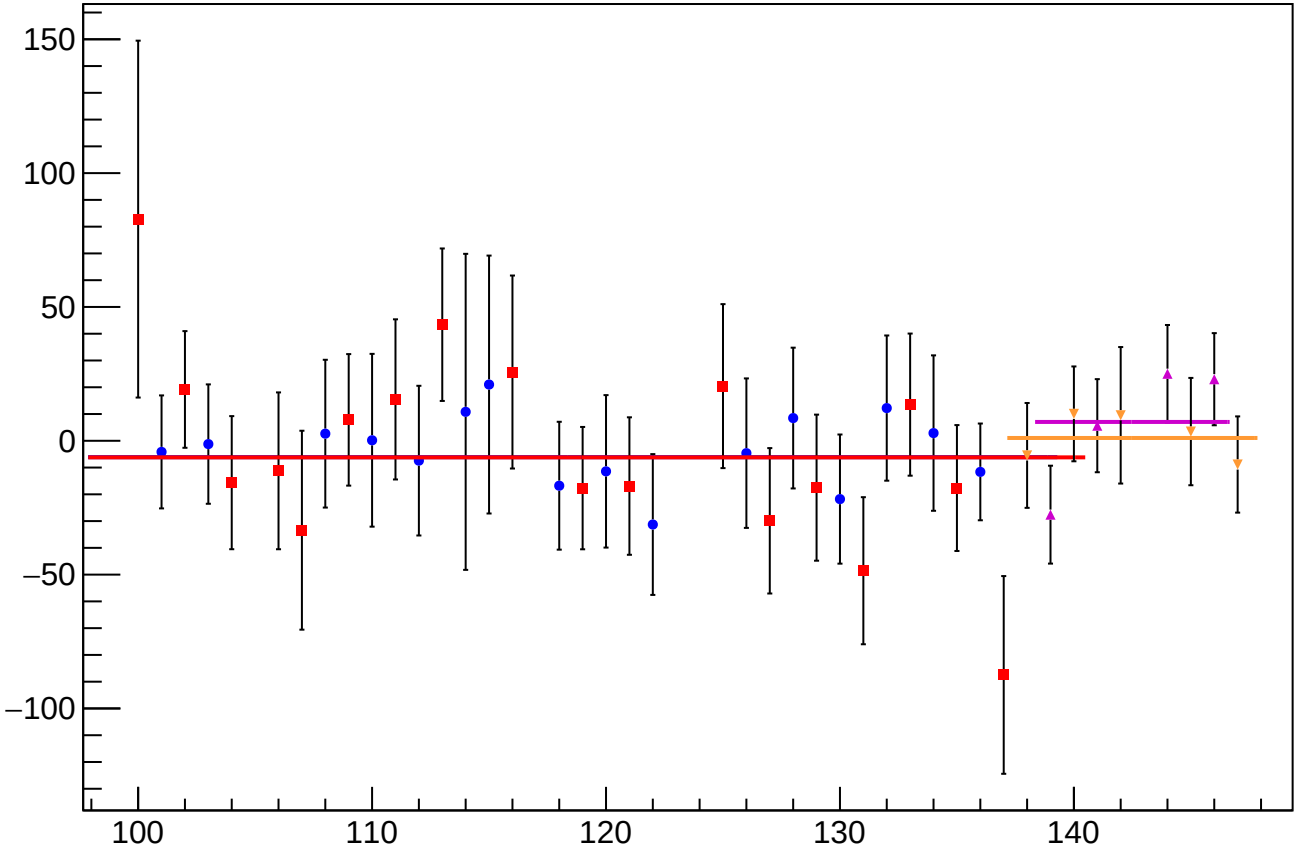
Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

+ sign 207.751+/-0.047 χ^2/NDF: 1499608.0/20

All: 195.630+/-0.032 χ^2/NDF: 3784565.0/42

- sign 185.487+/-0.043 χ^2/NDF: 2161353.1/21

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.052+/-8.800 χ^2/NDF:0.8/4

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

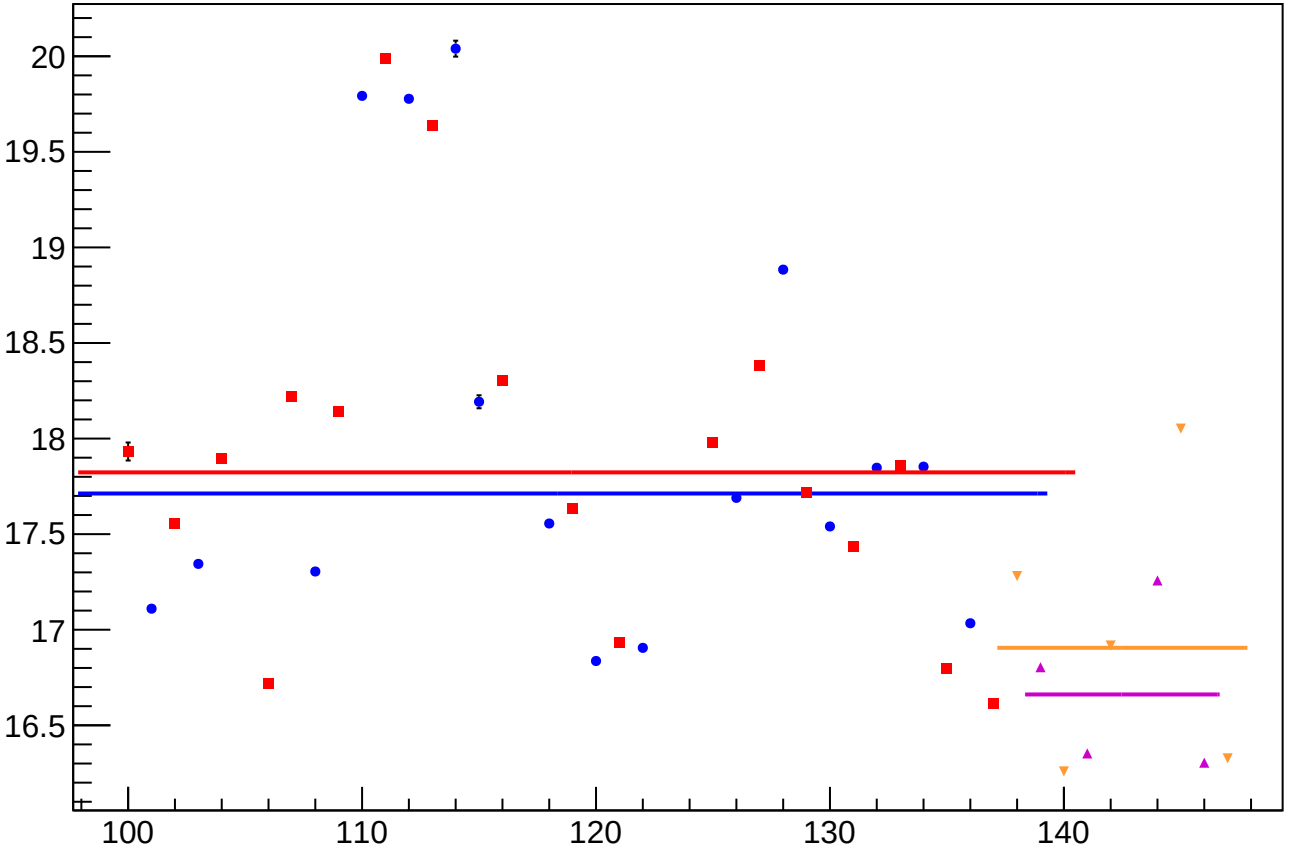
Left In: 7.041+/-8.878 χ^2/NDF:5.4/3

+ sign -3.541+/-5.276 χ^2/NDF: 4.3/20

All: -2.523+/-3.734 χ^2/NDF: 29.9/42

- sign -1.501+/-5.287 χ^2/NDF: 25.5/21

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.905+/-0.006 χ^2/NDF:12012.1/4

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

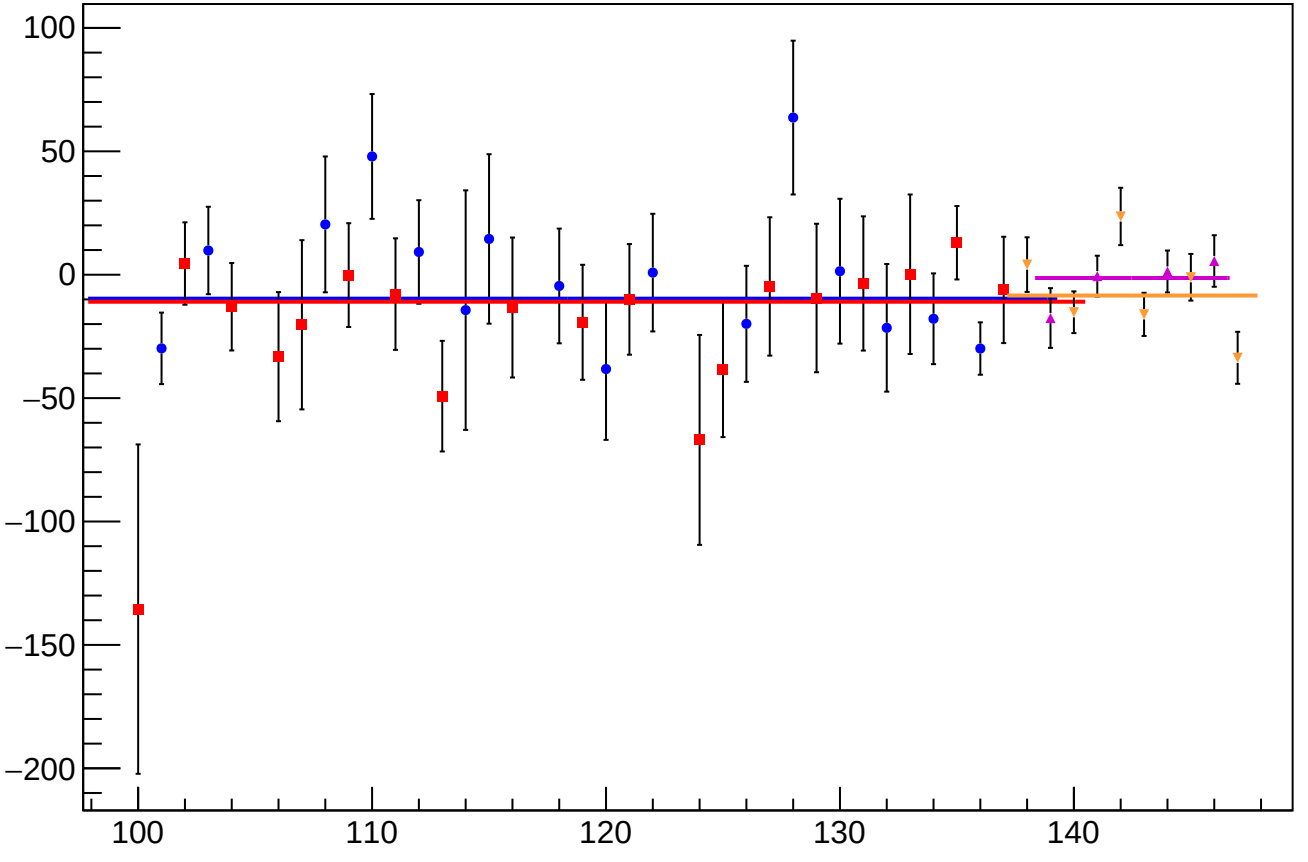
Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

+ sign 17.422+/-0.004 χ^2/NDF: 58777.1/20

All: 17.417+/-0.003 χ^2/NDF: 117146.7/42

- sign 17.411+/-0.004 χ^2/NDF: 58365.1/21

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -8.430+/-3.989 χ^2/NDF:16.6/5

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

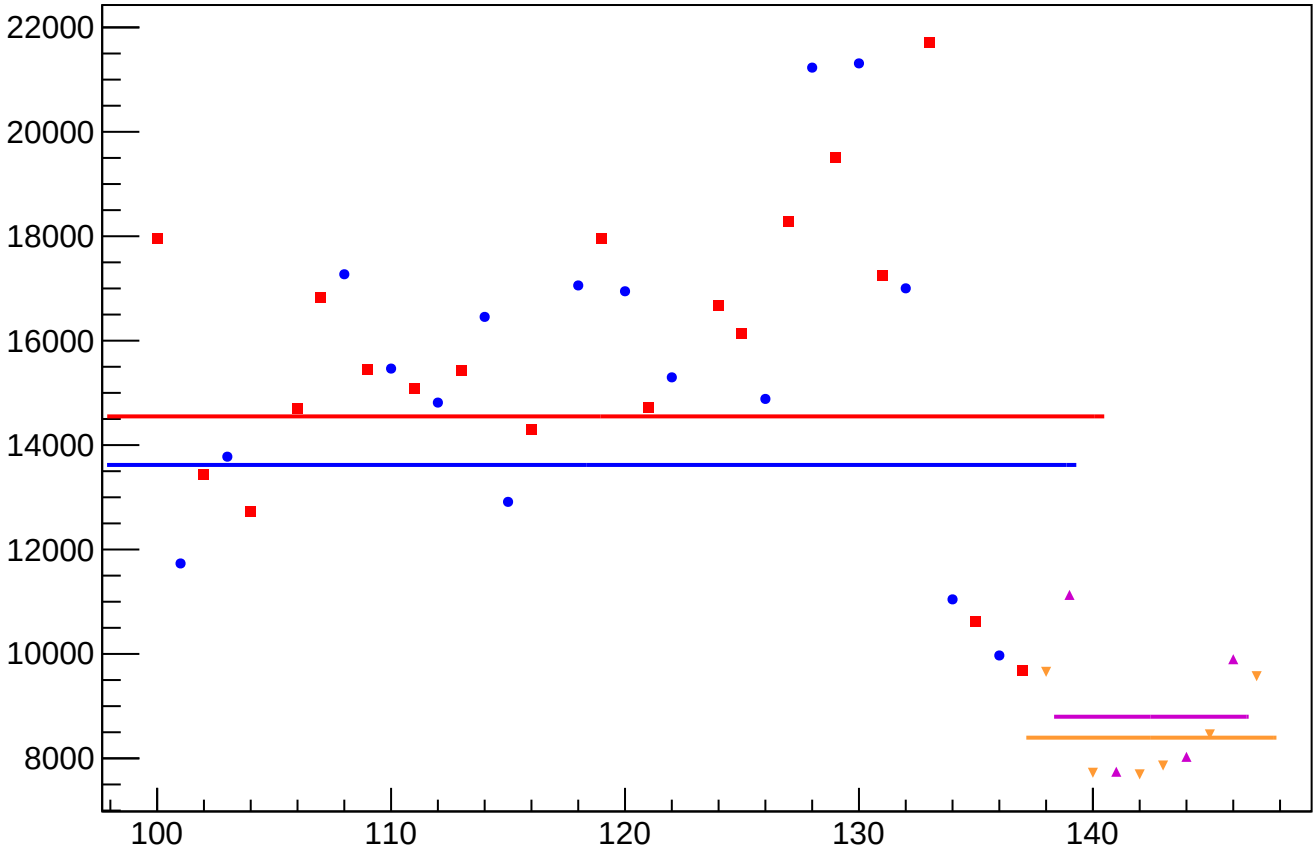
Left In: -1.328+/-4.742 χ^2/NDF:2.3/3

+ sign -8.898+/-3.172 χ^2/NDF: 38.7/21

All: -7.392+/-2.372 χ^2/NDF: 57.4/44

- sign -5.481+/-3.574 χ^2/NDF: 18.2/22

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8396.420+/-2.821 χ^2/NDF:78440.8/5

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

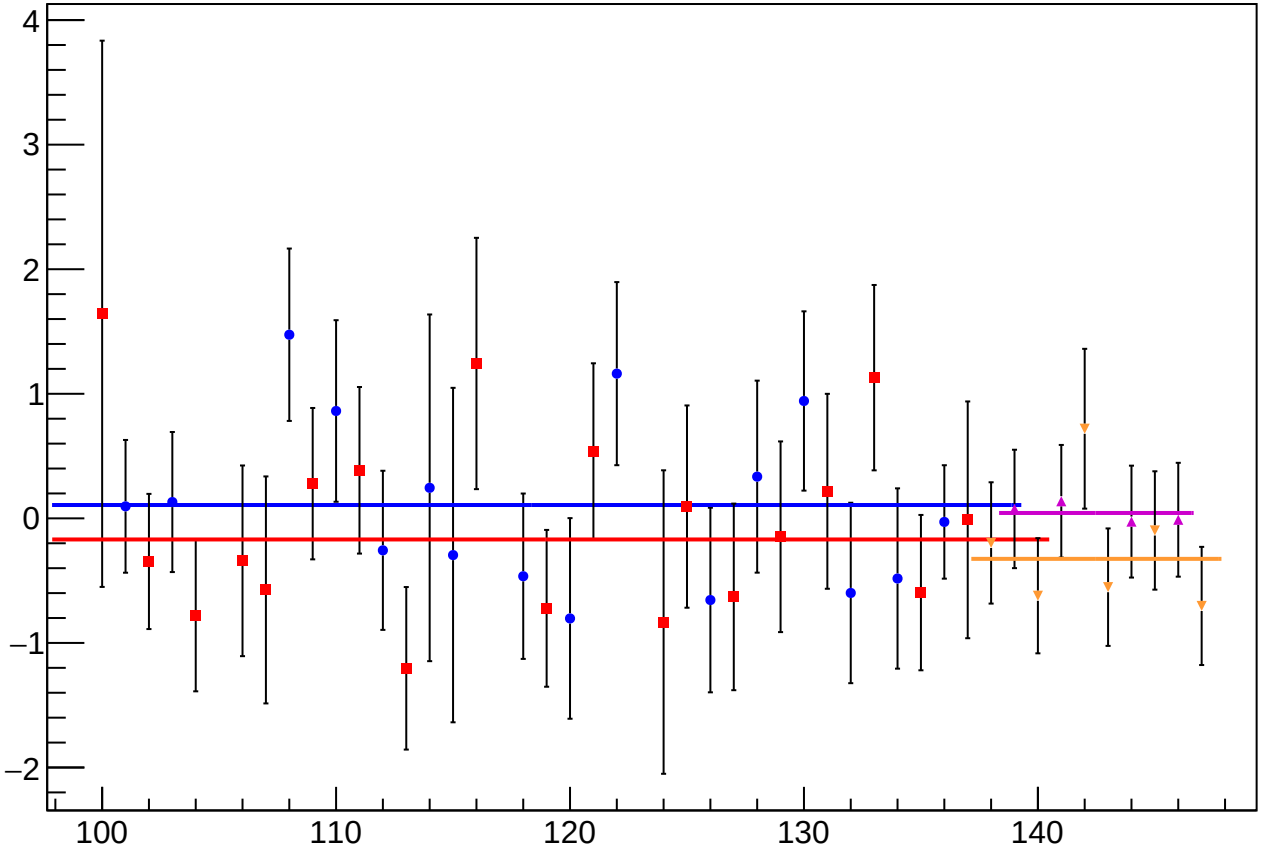
Left In: 8797.360+/-3.353 χ^2/NDF:145368.0/3

+ sign 10316.967+/-2.243 χ^2/NDF: 2086216.3/21

All: 10742.794+/-1.678 χ^2/NDF: 4140873.1/4

- sign 11283.249+/-2.527 χ^2/NDF: 1972873.8/22

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.325+/-0.201 χ^2/NDF:4.2/5

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

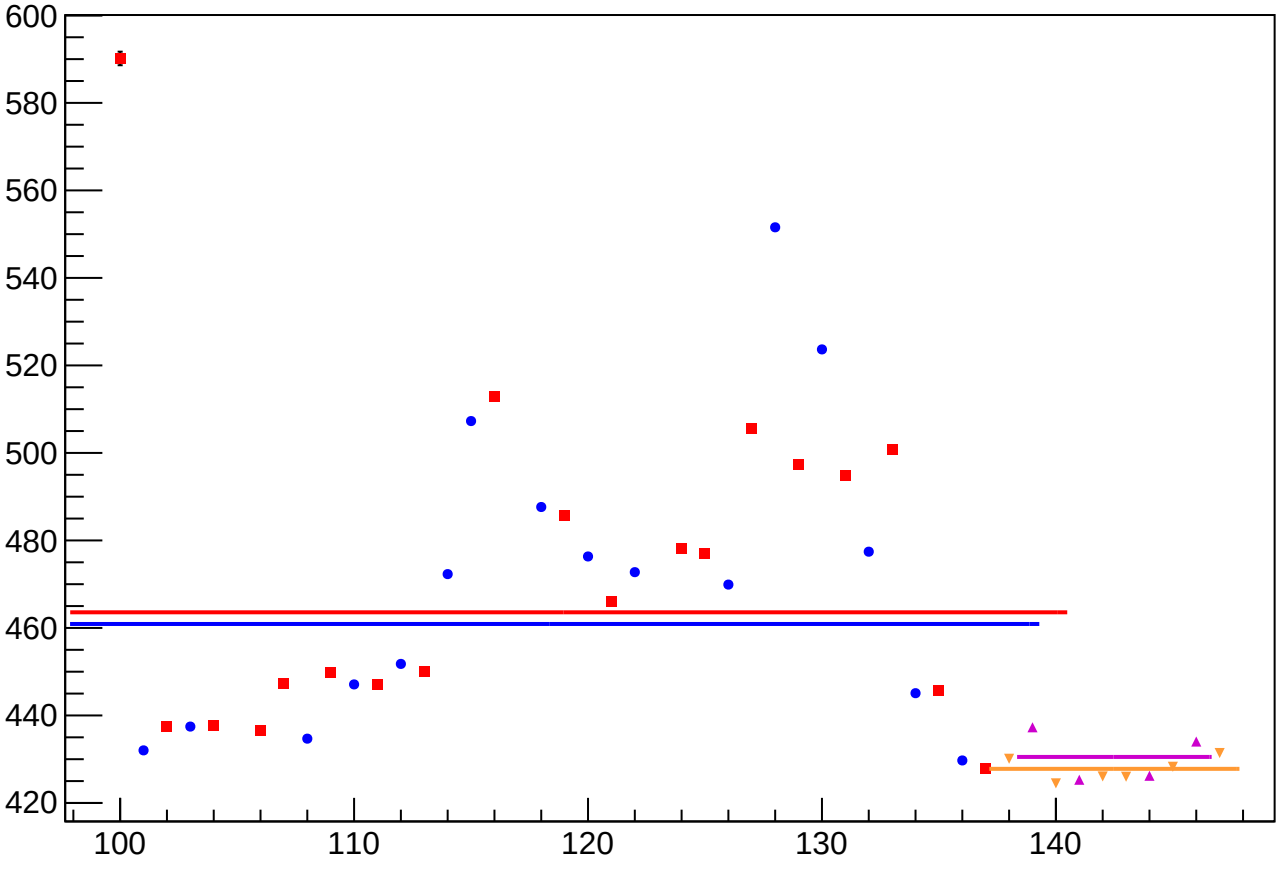
Left In: 0.043+/-0.229 χ^2/NDF:0.1/3

+ sign -0.075+/-0.131 χ^2/NDF: 20.6/21

All: -0.084+/-0.094 χ^2/NDF: 35.3/44

- sign -0.094+/-0.136 χ^2/NDF: 14.7/22

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.798+/-0.142 χ^2/NDF:309.9/5

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

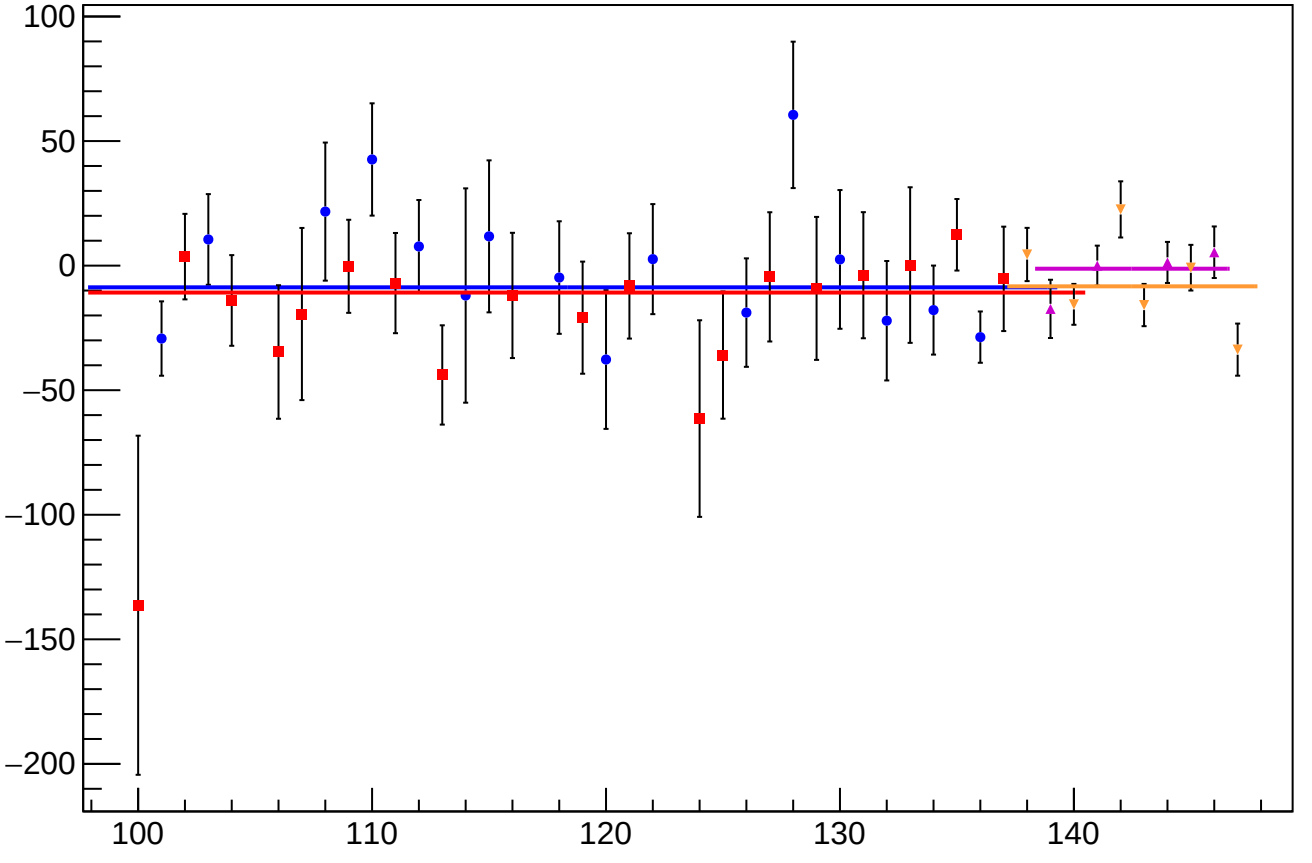
Left In: 430.520+/-0.162 χ^2/NDF:974.6/3

\+ sign 446.955+/-0.092 χ^2/NDF: 106573.5/21

All: 449.315+/-0.067 χ^2/NDF: 188008.7/44

\- sign 451.881+/-0.096 χ^2/NDF: 80072.1/22

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.313+/-3.880 χ^2/NDF:17.1/5

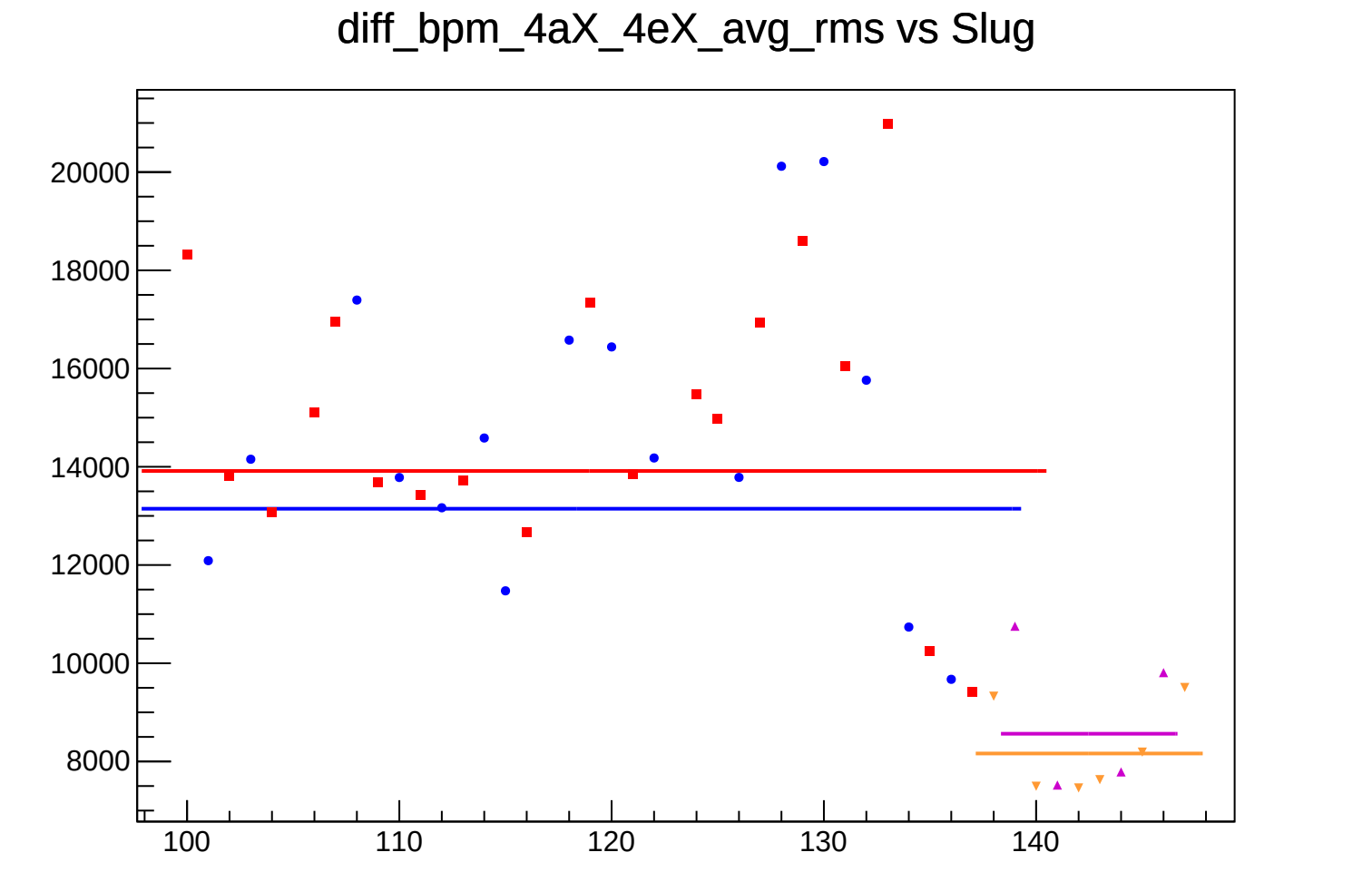
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.237+/-4.619 χ^2/NDF:2.4/3

+ sign -8.460+/-3.074 χ^2/NDF: 39.3/21

All: -7.135+/-2.295 χ^2/NDF: 58.0/44

- sign -5.465+/-3.451 χ^2/NDF: 18.2/22



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8162.338+/-2.744 χ^2/NDF:85707.6/5

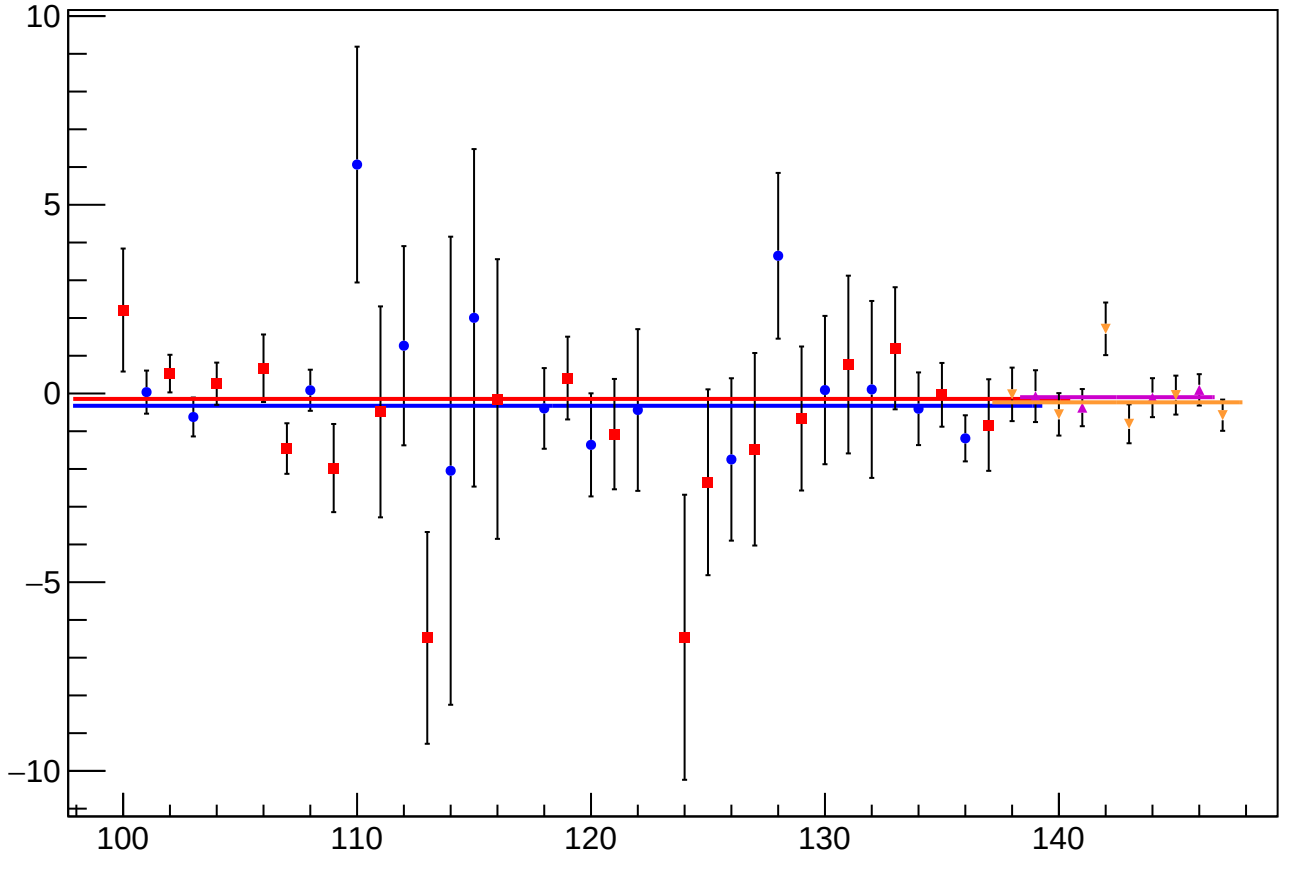
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8564.532+/-3.266 χ^2/NDF:150648.4/3

+ sign 10018.917+/-2.173 χ^2/NDF: 1997341.9/21

All: 10421.205+/-1.623 χ^2/NDF: 3922130.8/4

- sign 10928.254+/-2.440 χ^2/NDF: 1847345.1/22



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.234+/-0.220 χ^2/NDF:10.3/5

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

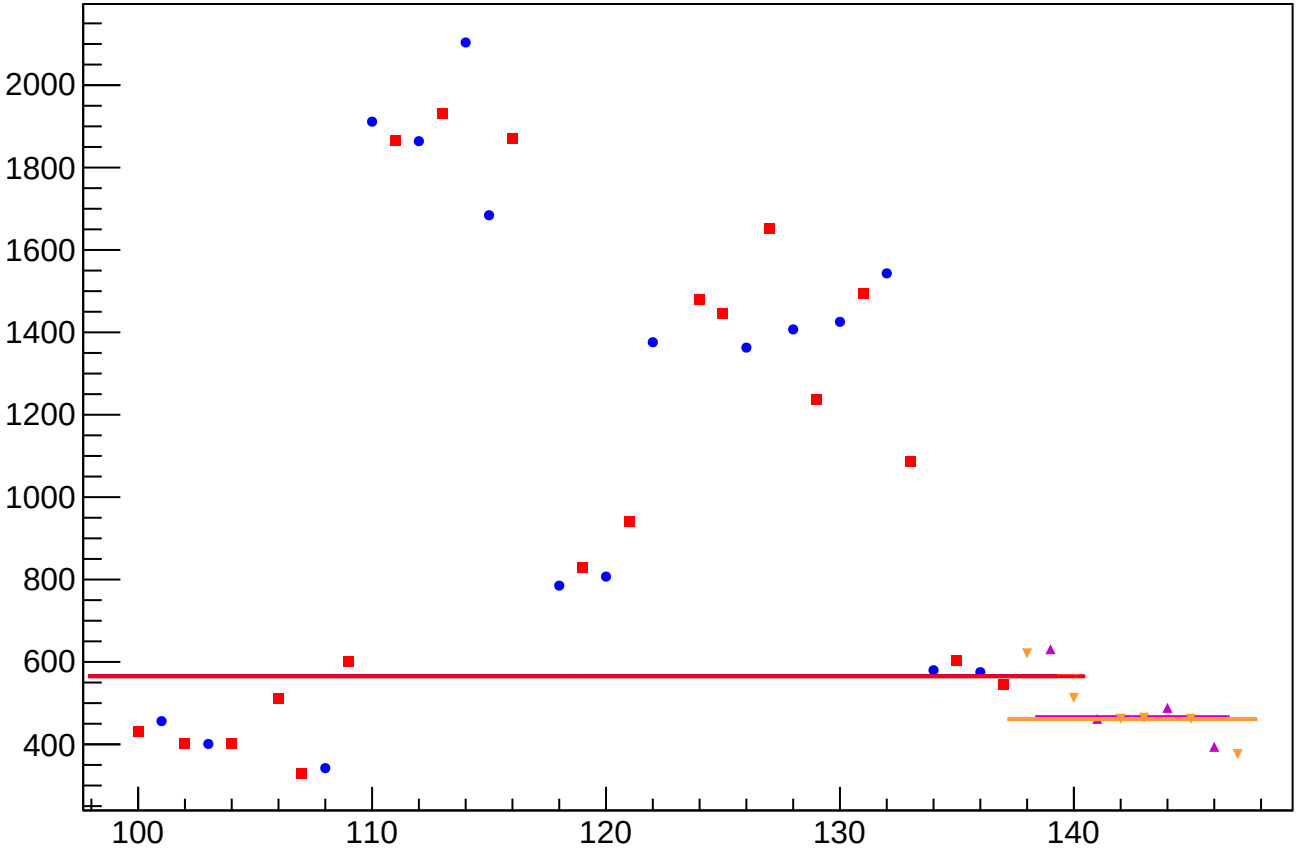
Left In: -0.098+/-0.252 χ^2/NDF:0.5/3

+ sign -0.275+/-0.164 χ^2/NDF: 22.9/21

All: -0.204+/-0.120 χ^2/NDF: 46.3/44

- sign -0.122+/-0.175 χ^2/NDF: 23.0/22

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 461.213+/-0.156 χ^2/NDF:202630.7/5

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

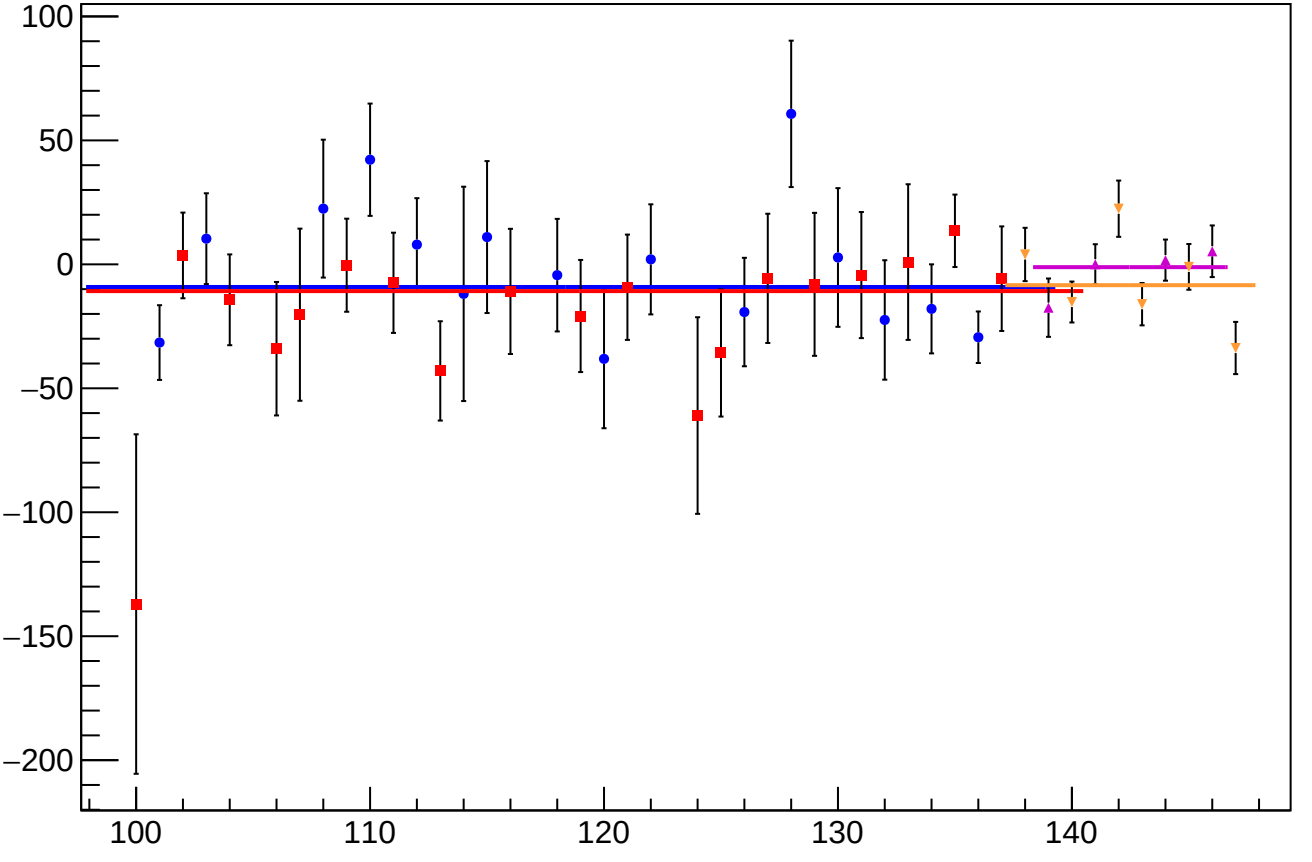
Left In: 465.992+/-0.178 χ^2/NDF:179427.3/3

+ sign 508.073+/-0.116 χ^2/NDF: 3854311.9/21

All: 512.260+/-0.085 χ^2/NDF: 7768215.1/44

- sign 517.068+/-0.124 χ^2/NDF: 3911089.0/22

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -8.405+/-3.905 χ^2/NDF:16.6/5

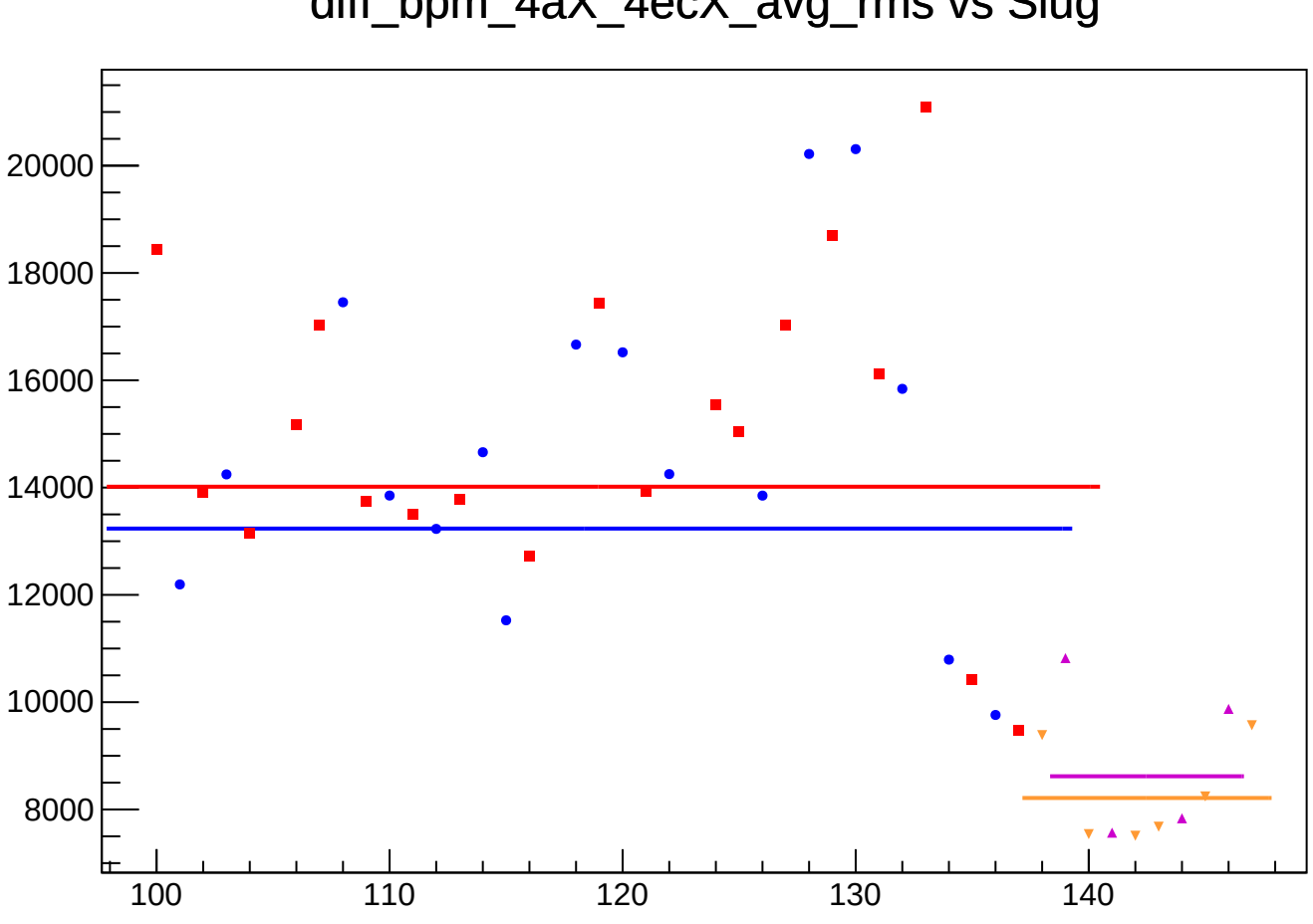
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.130+/-4.648 χ^2/NDF:2.4/3

+ sign -8.675+/-3.093 χ^2/NDF: 39.4/21

All: -7.224+/-2.310 χ^2/NDF: 57.9/44

- sign -5.394+/-3.473 χ^2/NDF: 18.1/22



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8214.066+/-2.761 χ^2/NDF:85795.4/5

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

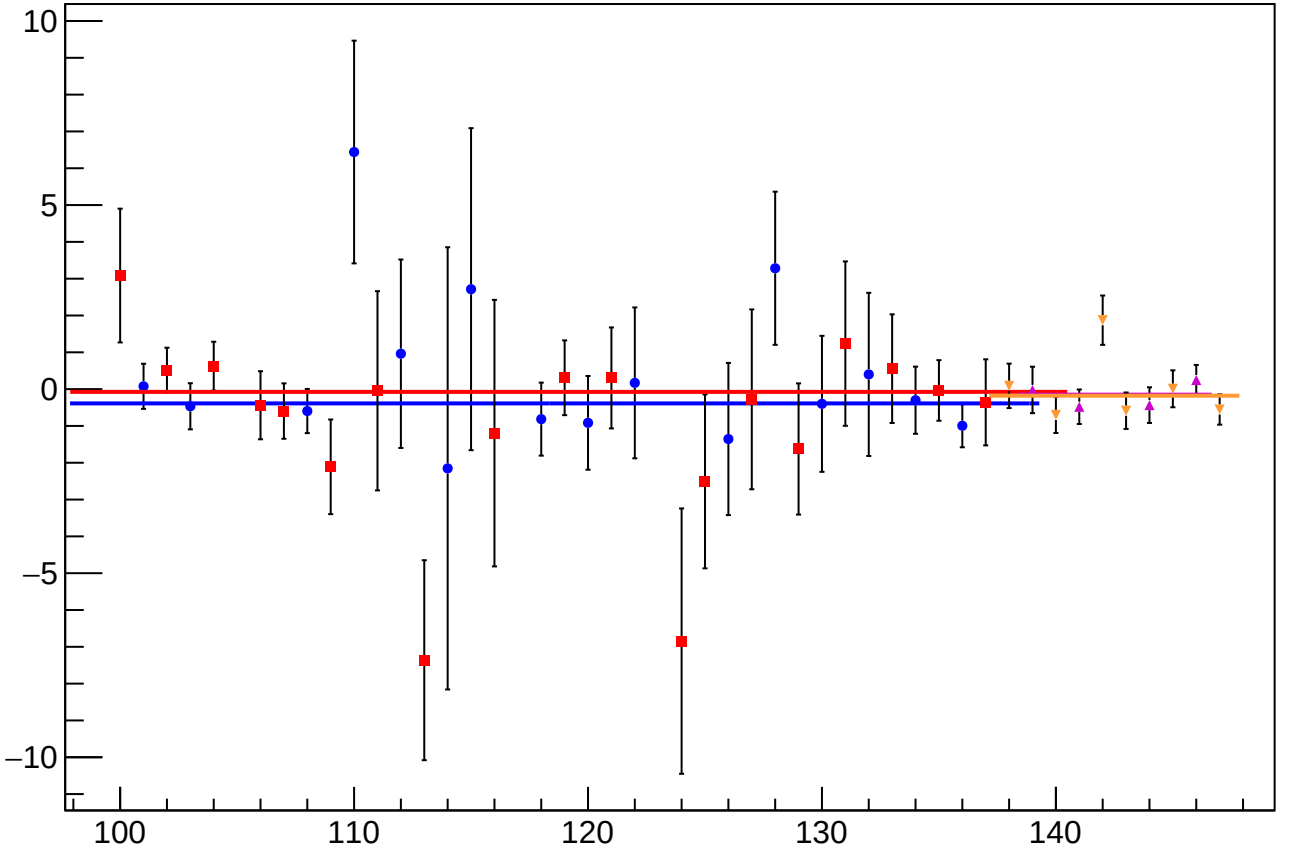
Left In: 8618.868+/-3.287 χ^2/NDF:150823.5/3

+ sign 10084.180+/-2.187 χ^2/NDF: 1991469.2/21

All: 10490.098+/-1.634 χ^2/NDF: 3909400.6/4

- sign 11001.863+/-2.456 χ^2/NDF: 1840080.8/22

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.178+/-0.208 χ^2/NDF:12.4/5

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

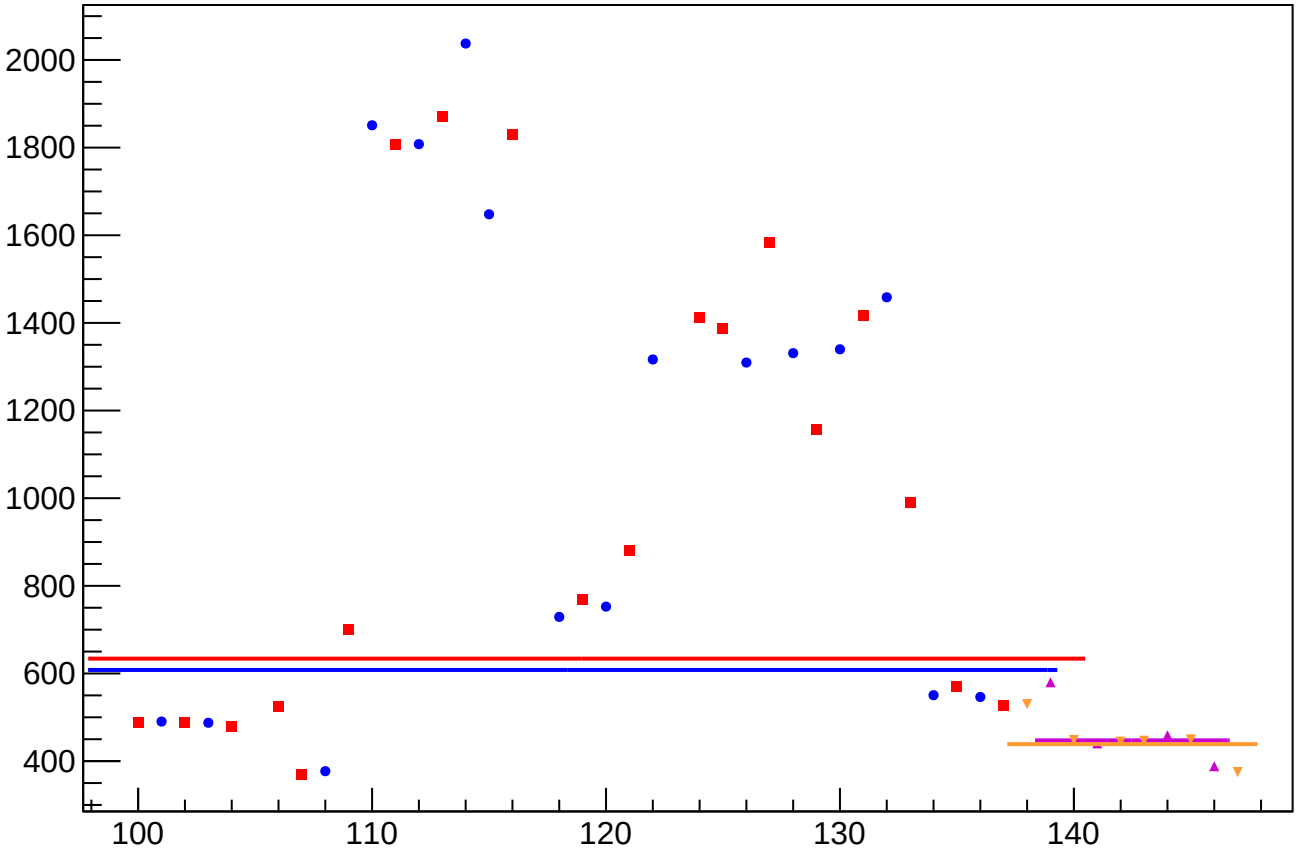
Left In: -0.151+/-0.240 χ^2/NDF:1.8/3

+ sign -0.262+/-0.161 χ^2/NDF: 24.4/21

All: -0.196+/-0.120 χ^2/NDF: 48.3/44

- sign -0.116+/-0.178 χ^2/NDF: 23.6/22

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 438.839+/-0.147 χ^2/NDF:95928.4/5

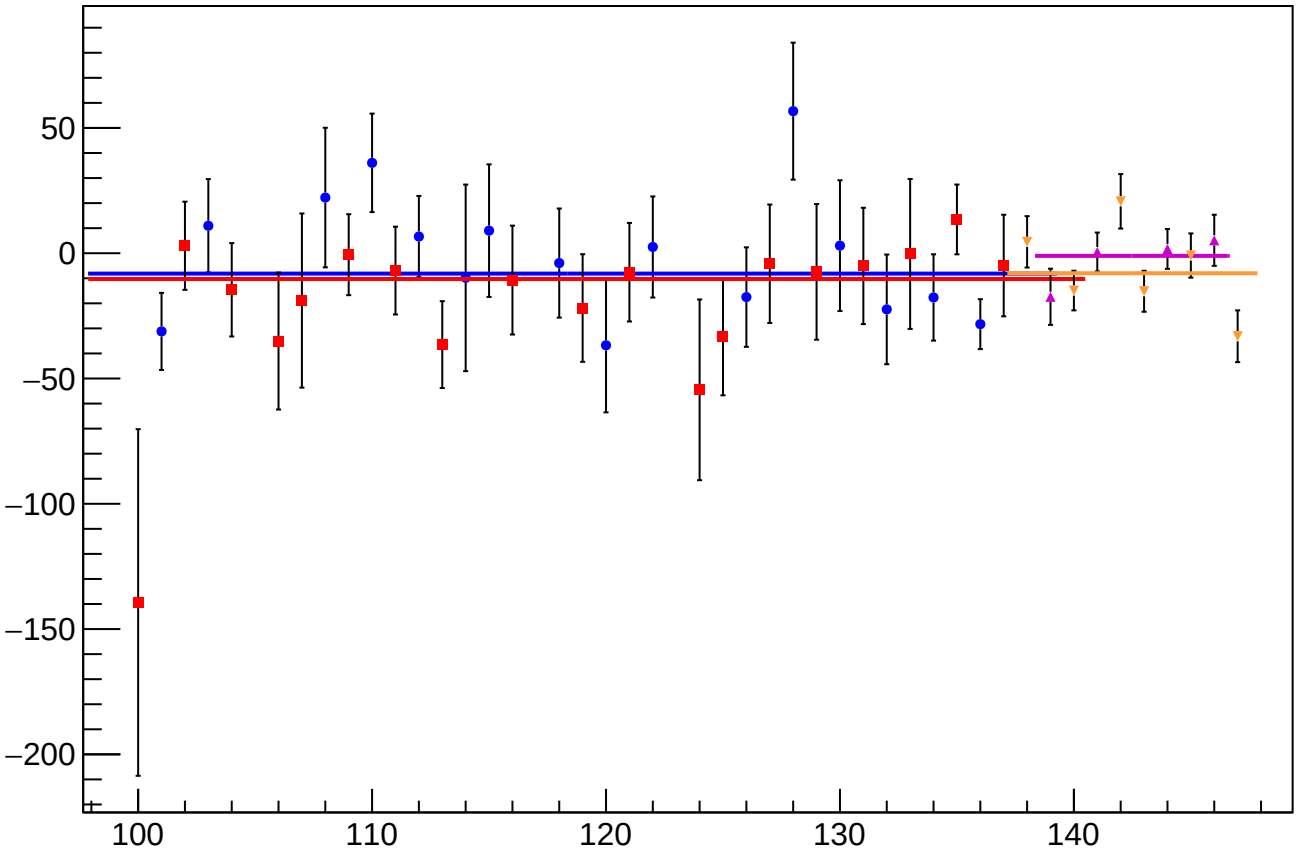
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 447.371+/-0.170 χ^2/NDF:131632.9/3

+ sign 506.270+/-0.114 χ^2/NDF: 3475563.6/21

All: 517.779+/-0.085 χ^2/NDF: 6962577.1/44

- sign 531.763+/-0.126 χ^2/NDF: 3464492.7/22



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -7.993+/-3.750 χ^2/NDF:16.6/5

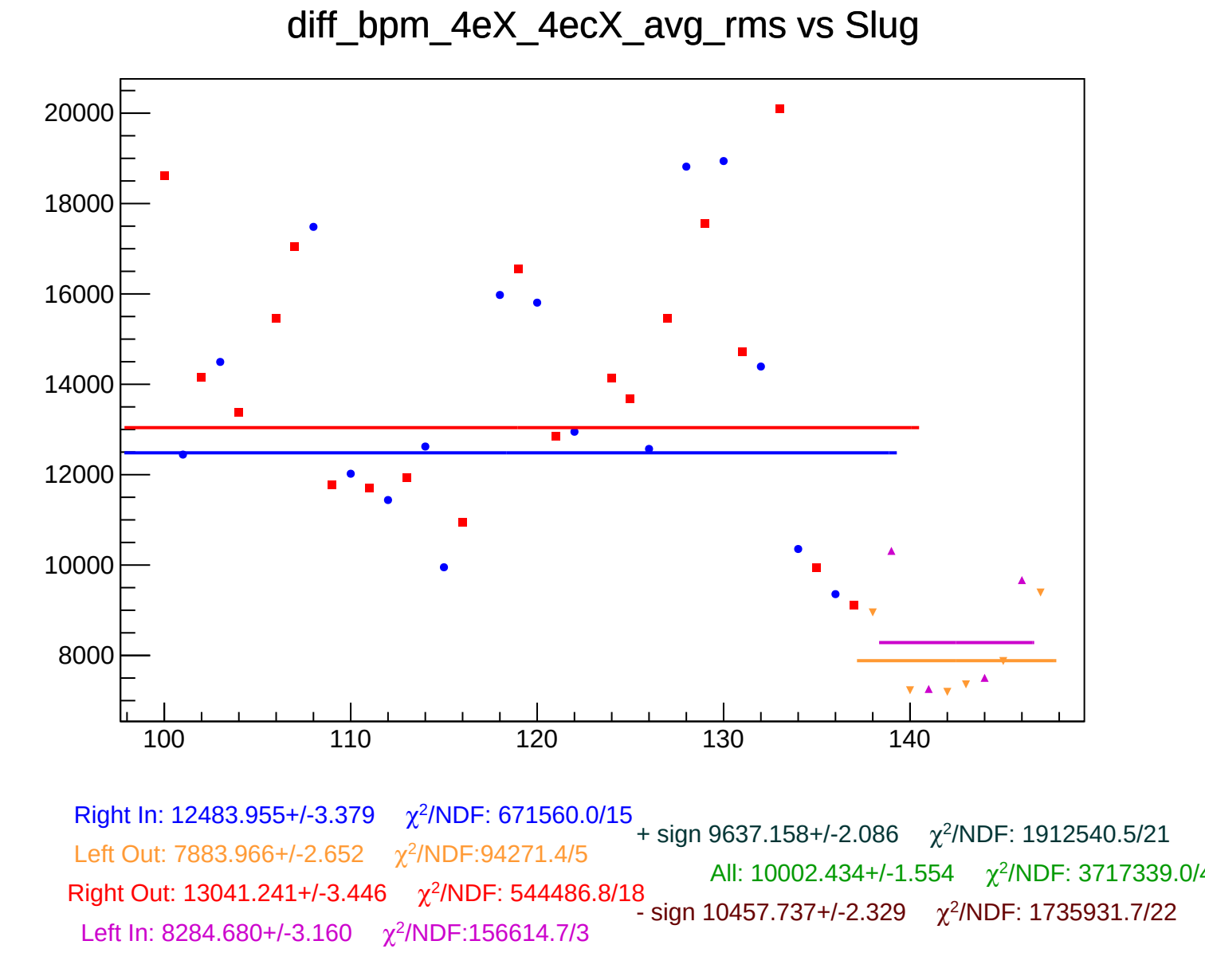
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -1.063+/-4.470 χ^2/NDF:2.7/3

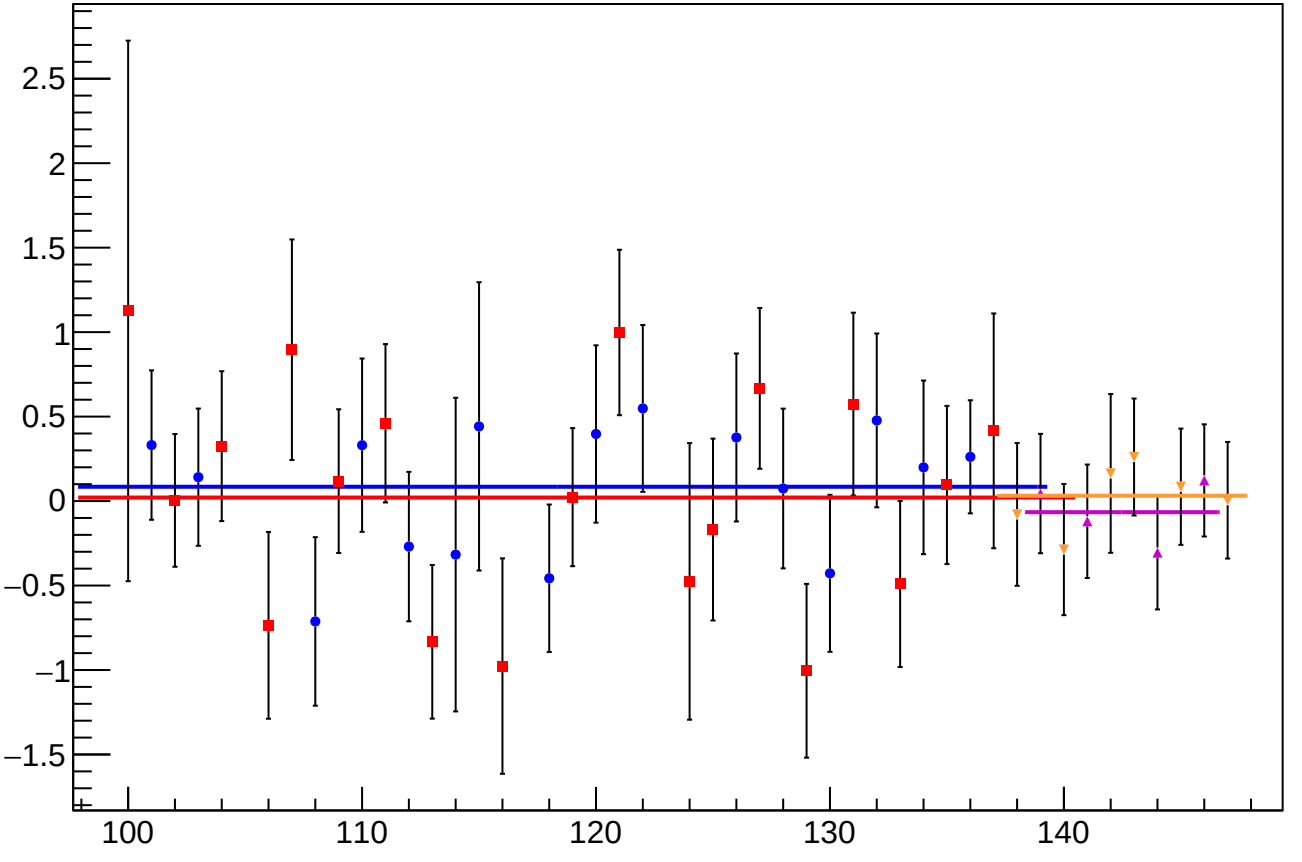
+ sign -8.046+/-2.950 χ^2/NDF: 39.7/21

All: -6.814+/-2.198 χ^2/NDF: 58.4/44

- sign -5.277+/-3.294 χ^2/NDF: 18.3/22


diff_bpm_4eX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 7883.966+/-2.652 χ²/NDF:94271.4/5
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8284.680+/-3.160 χ²/NDF:156614.7/3
+ sign 9637.158+/-2.086 χ²/NDF: 1912540.5/21
All: 10002.434+/-1.554 χ²/NDF: 3717339.0/4
- sign 10457.737+/-2.329 χ²/NDF: 1735931.7/22

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.032+/-0.154 χ^2/NDF:1.3/5

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

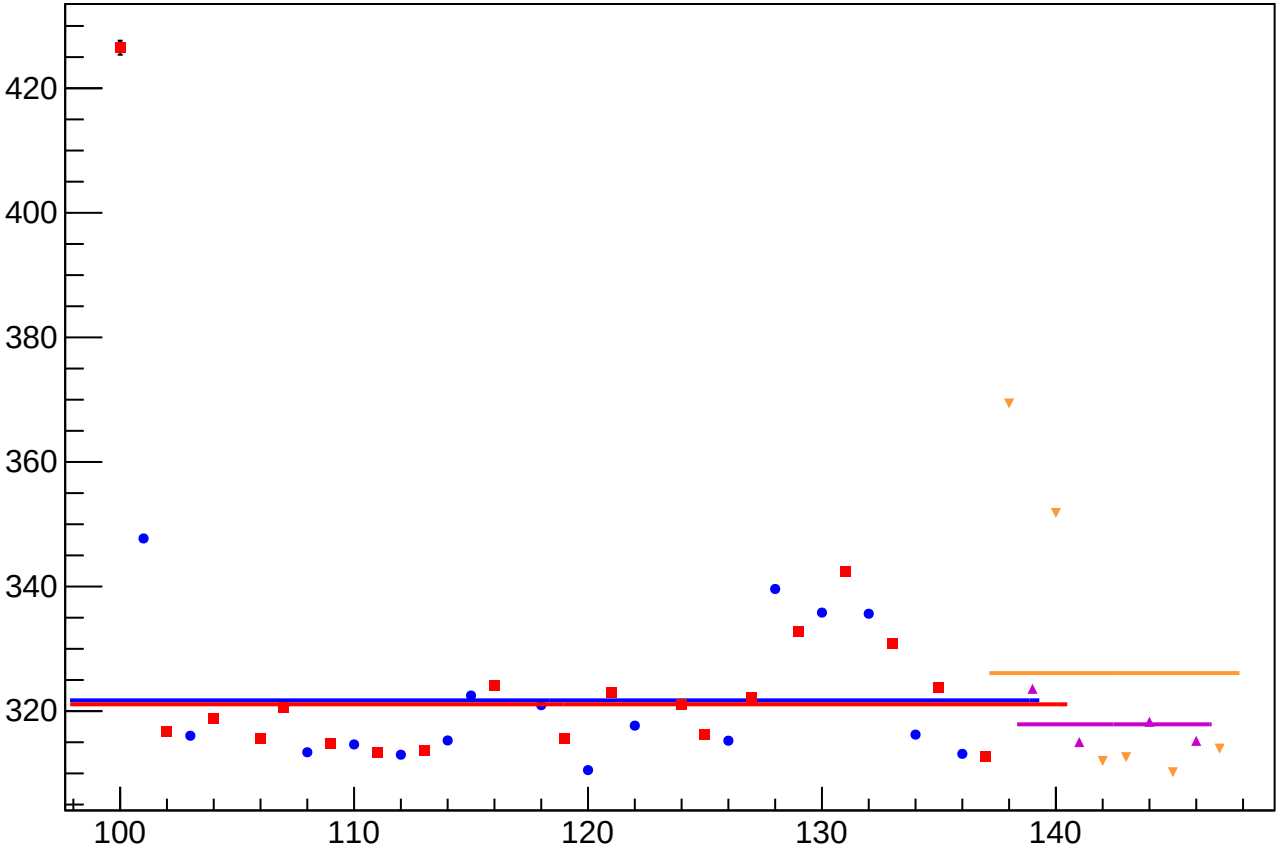
Left In: -0.066+/-0.170 χ^2/NDF:0.9/3

+ sign 0.065+/-0.095 χ^2/NDF: 10.7/21

All: 0.029+/-0.068 χ^2/NDF: 36.4/44

- sign -0.007+/-0.097 χ^2/NDF: 25.4/22

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 326.105+/-0.109 χ^2/NDF:41373.2/5

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

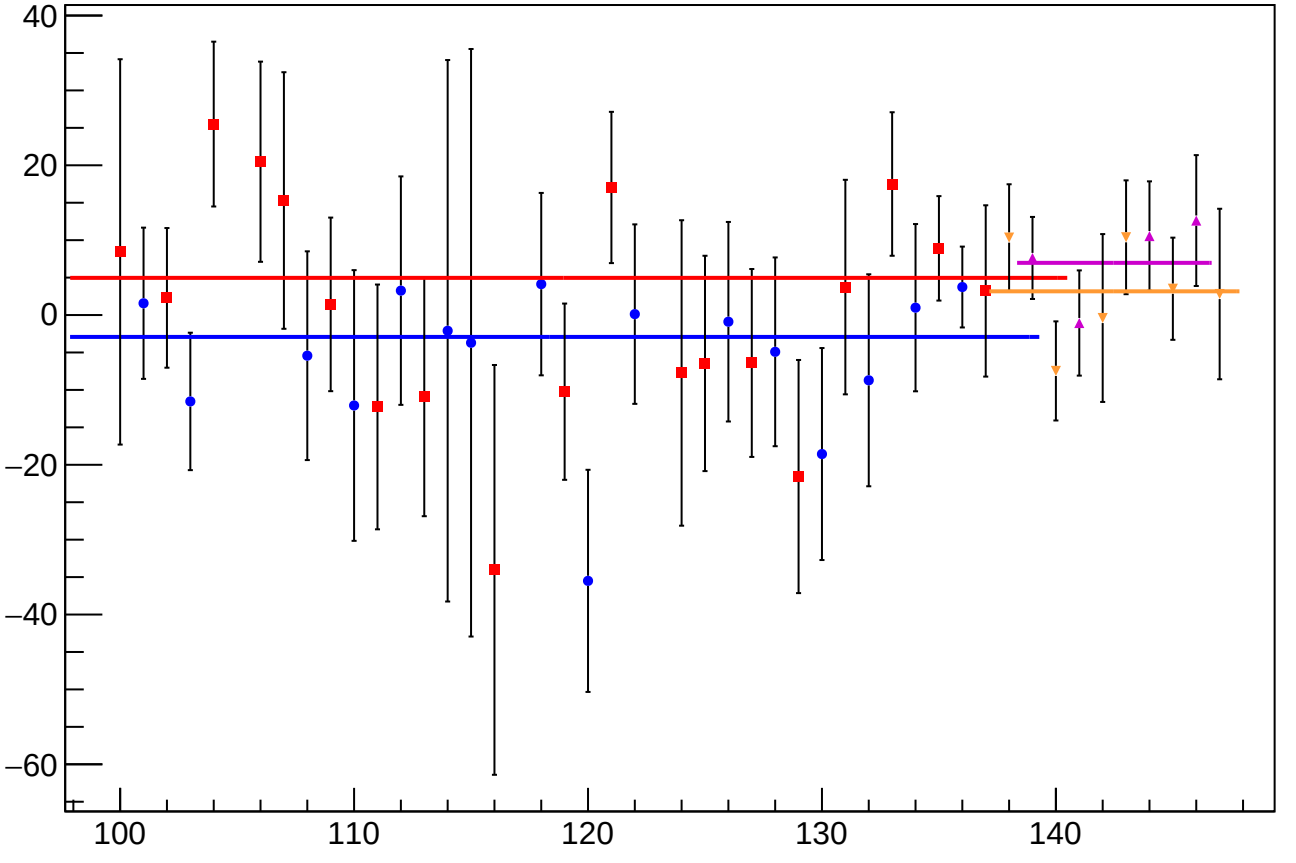
Left In: 317.881+/-0.120 χ^2/NDF:795.5/3

+ sign 323.379+/-0.067 χ^2/NDF: 60589.4/21

All: 321.745+/-0.048 χ^2/NDF: 79658.7/44

- sign 320.051+/-0.068 χ^2/NDF: 17859.7/22

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.168+/-3.211 χ^2/NDF:4.6/5

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

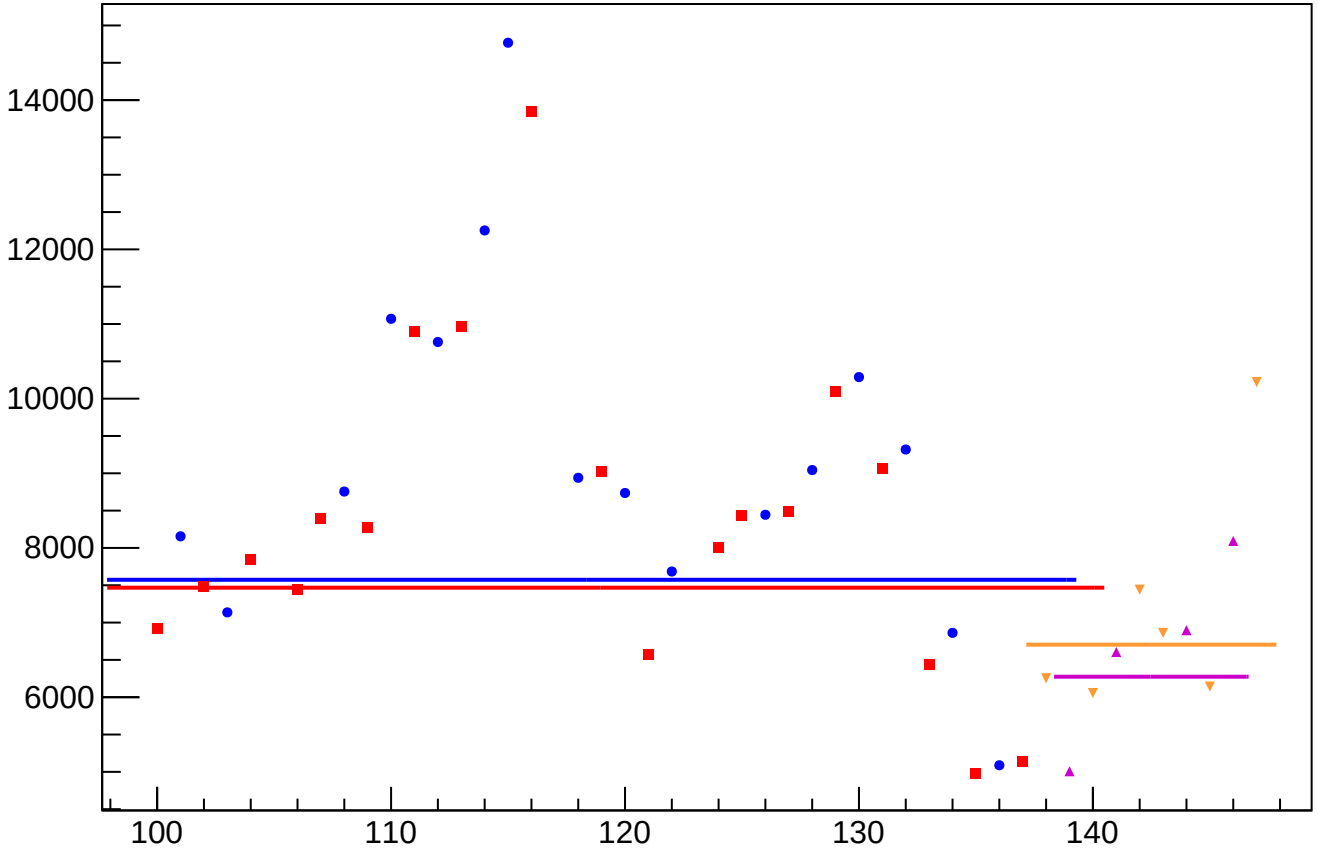
Left In: 6.971+/-3.422 χ^2/NDF:2.0/3

+ sign -0.175+/-2.156 χ^2/NDF: 16.4/21

All: 2.771+/-1.532 χ^2/NDF: 41.8/44

- sign 5.778+/-2.178 χ^2/NDF: 21.6/22

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6703.800+/-2.270 χ^2/NDF:241120.1/5

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

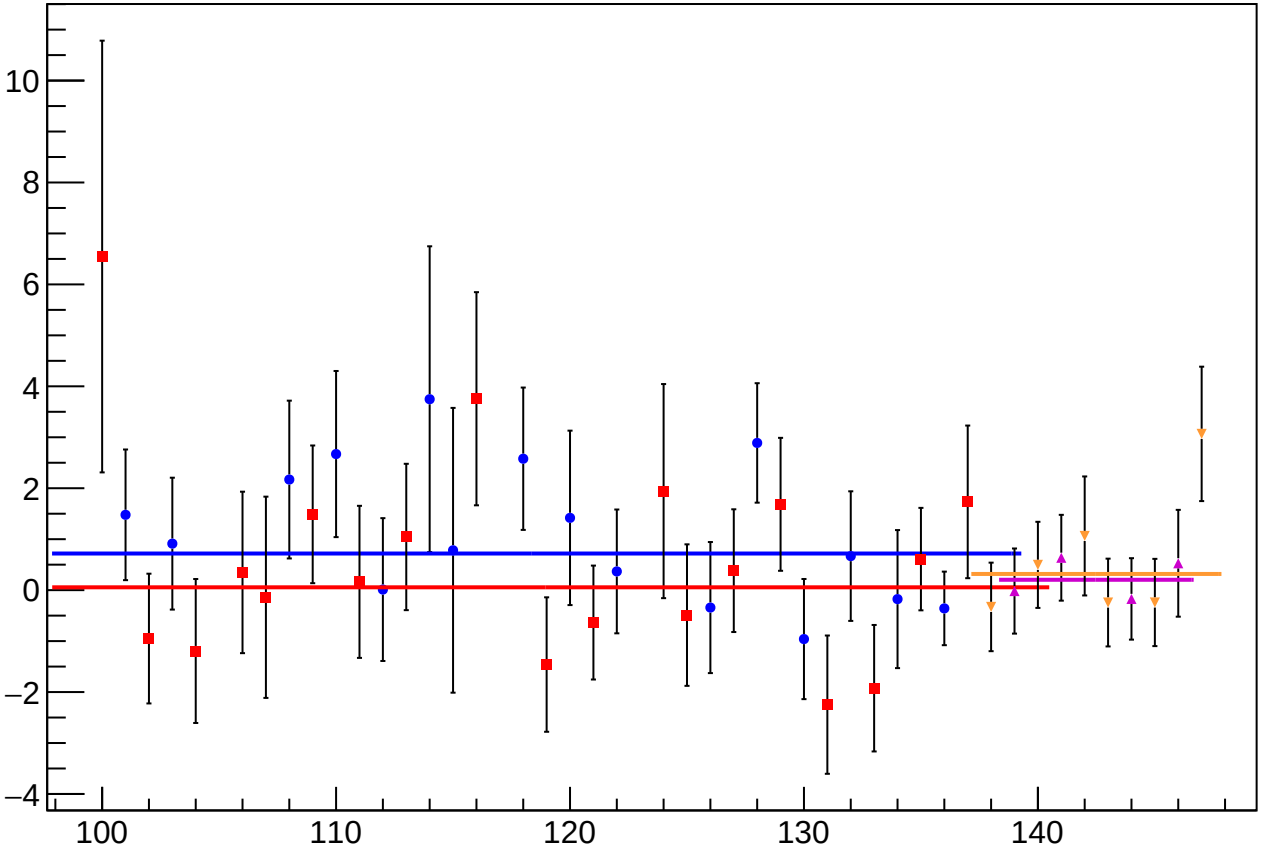
Left In: 6274.698+/-2.420 χ^2/NDF:212461.8/3

+ sign 7181.066+/-1.525 χ^2/NDF: 1219198.6/21

All: 7083.670+/-1.084 χ^2/NDF: 2412793.8/44

- sign 6984.296+/-1.540 χ^2/NDF: 1185352.1/22

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.318+/-0.385 χ^2/NDF:6.2/5

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

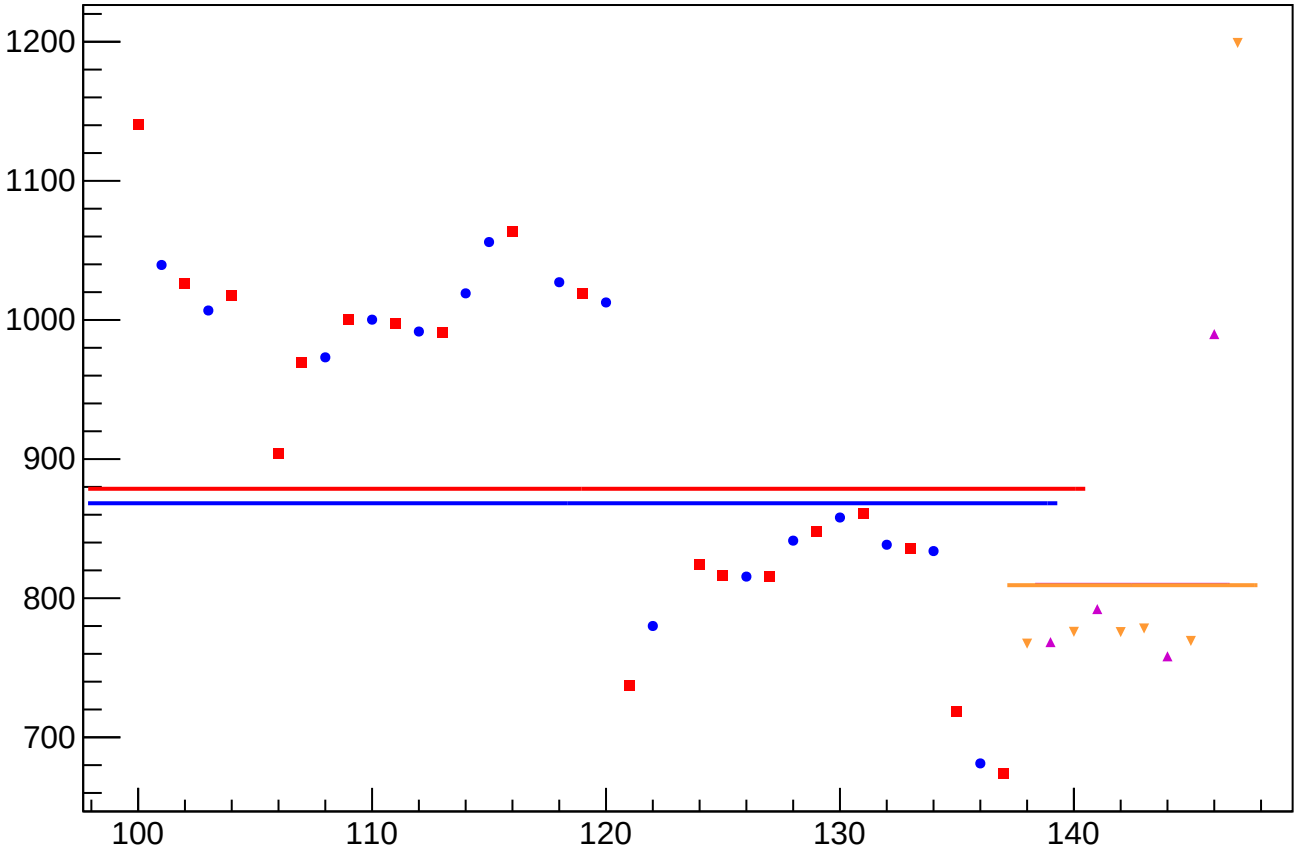
Left In: 0.203+/-0.434 χ^2/NDF:0.6/3

+ sign 0.551+/-0.249 χ^2/NDF: 21.6/21

All: 0.339+/-0.179 χ^2/NDF: 43.7/44

- sign 0.108+/-0.259 χ^2/NDF: 20.5/22

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 809.354+/-0.272 χ^2/NDF:191173.5/5

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

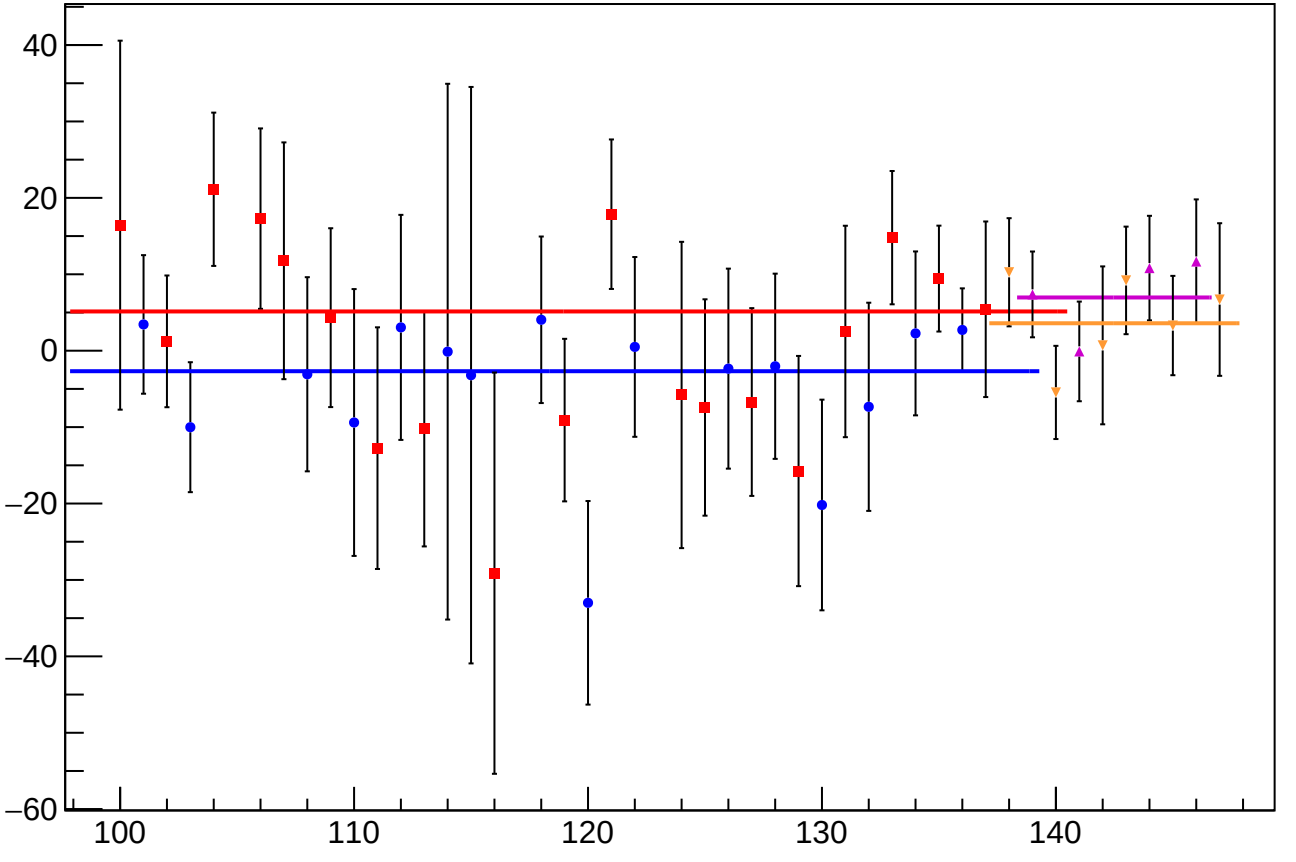
Left In: 809.613+/-0.307 χ^2/NDF:73133.0/3

+ sign 843.664+/-0.176 χ^2/NDF: 520850.6/21

All: 848.608+/-0.127 χ^2/NDF: 900756.7/44

- sign 853.977+/-0.183 χ^2/NDF: 378257.8/22

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.591+/-3.014 χ^2/NDF:3.9/5

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

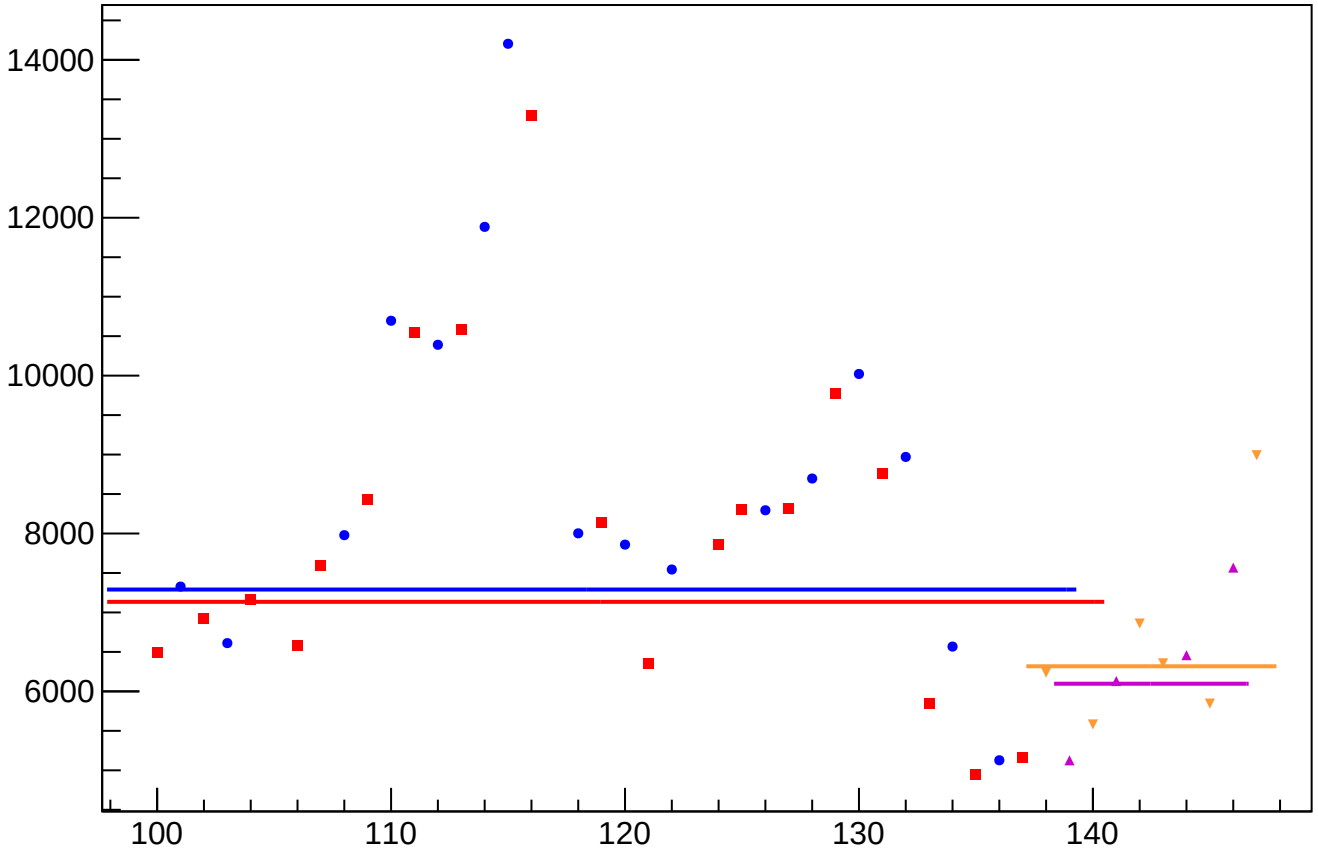
Left In: 6.966+/-3.302 χ^2/NDF:1.8/3

+ sign 0.210+/-2.047 χ^2/NDF: 16.3/21

All: 2.984+/-1.461 χ^2/NDF: 39.3/44

- sign 5.867+/-2.086 χ^2/NDF: 19.3/22

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6318.112+/-2.131 χ^2/NDF:188889.2/5

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

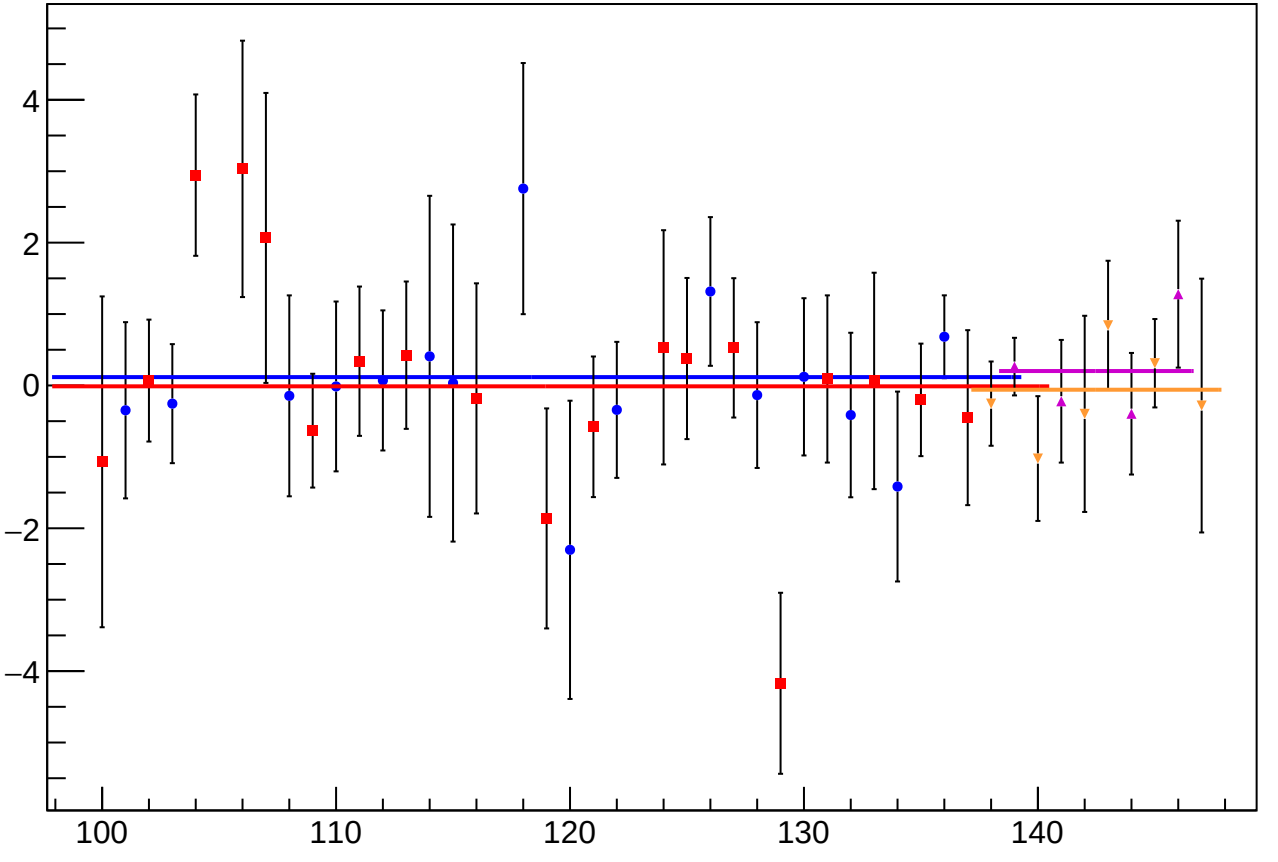
Left In: 6097.045+/-2.335 χ^2/NDF:130849.9/3

+ sign 6841.907+/-1.447 χ^2/NDF: 1071537.0/21

All: 6782.201+/-1.033 χ^2/NDF: 2117251.0/44

- sign 6720.158+/-1.475 χ^2/NDF: 1042243.2/22

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.060+/-0.336 χ^2/NDF:2.8/5

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

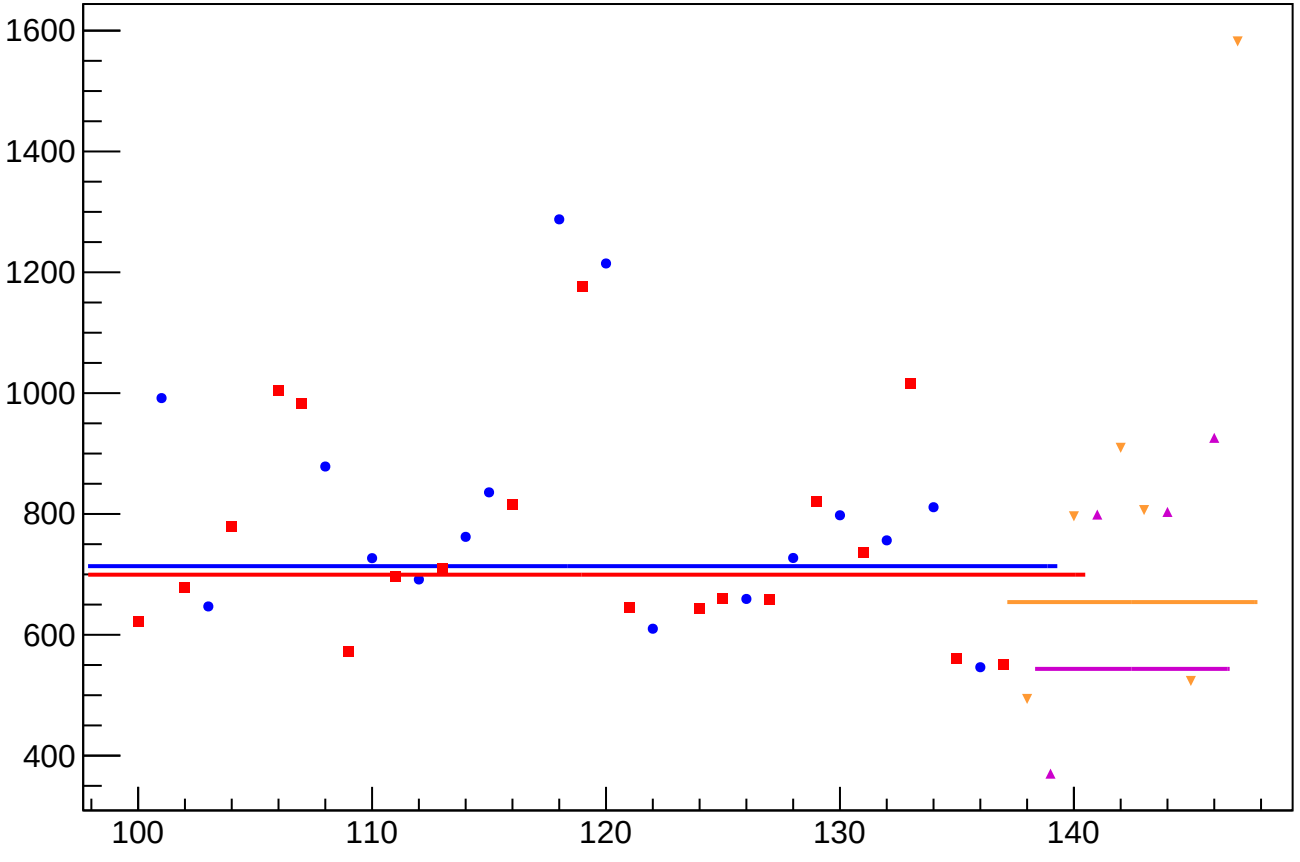
Left In: 0.202+/-0.319 χ^2/NDF:1.9/3

+ sign 0.047+/-0.212 χ^2/NDF: 11.0/21

All: 0.061+/-0.147 χ^2/NDF: 38.3/44

- sign 0.075+/-0.203 χ^2/NDF: 27.3/22

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 654.157+/-0.237 χ^2/NDF:960810.9/5

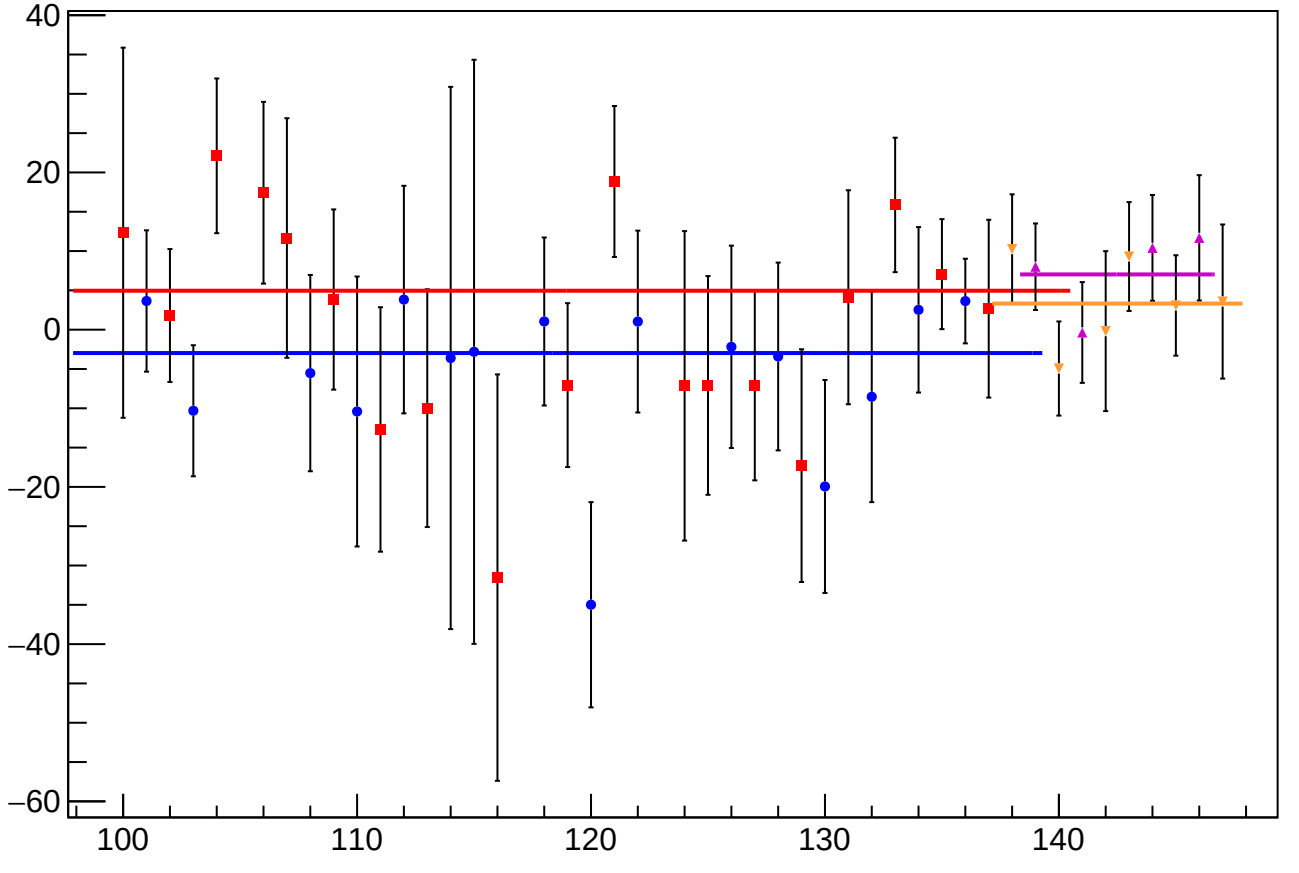
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 543.597+/-0.226 χ^2/NDF:1009236.9/3

+ sign 689.951+/-0.150 χ^2/NDF: 1697853.8/21

All: 661.998+/-0.104 χ^2/NDF: 3633846.1/44

- sign 636.346+/-0.144 χ^2/NDF: 1869261.3/22



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.323+/-2.963 χ^2/NDF:3.8/5

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

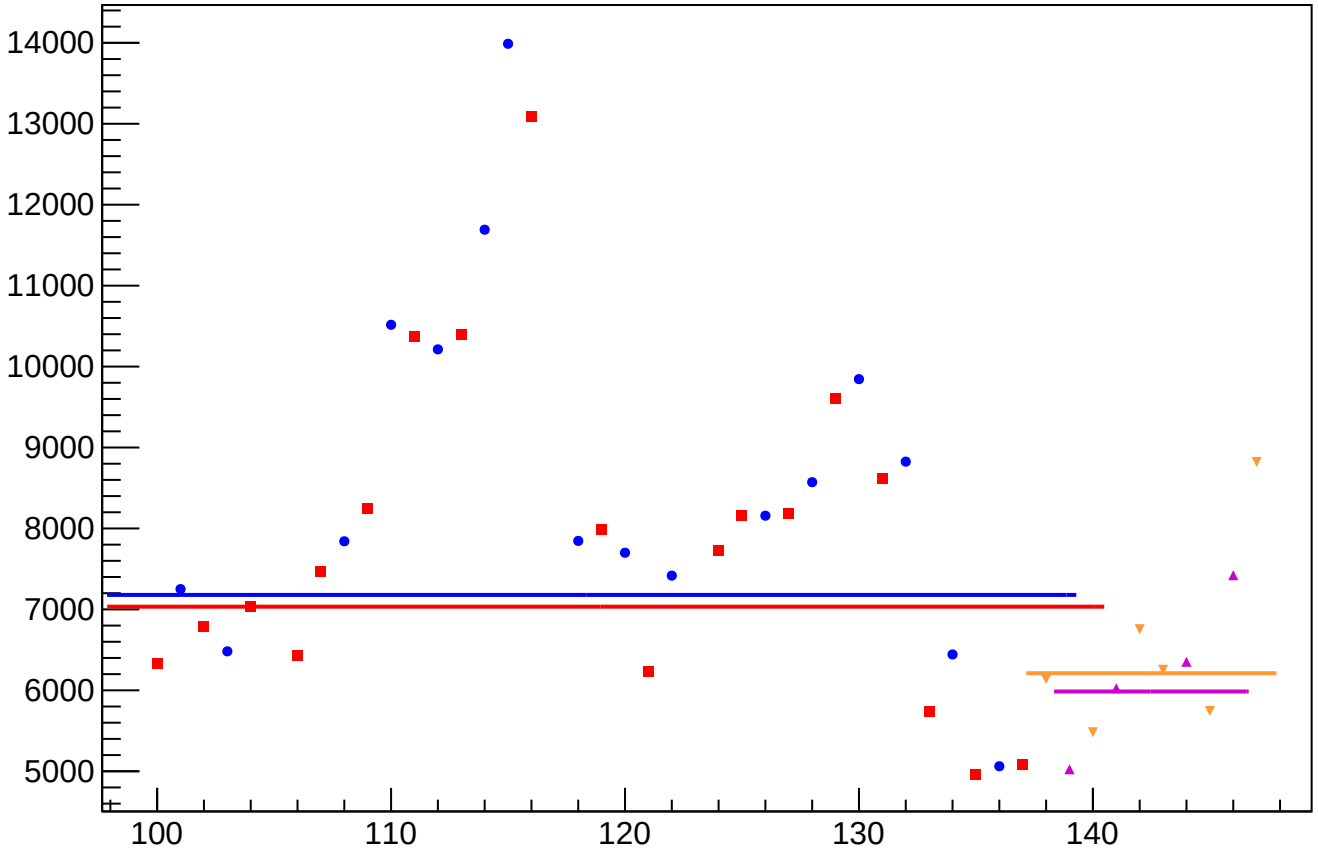
Left In: 7.029+/-3.242 χ^2/NDF:2.0/3

+ sign -0.064+/-2.014 χ^2/NDF: 17.8/21

All: 2.805+/-1.438 χ^2/NDF: 42.6/44

- sign 5.787+/-2.053 χ^2/NDF: 20.7/22

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6211.276+/-2.095 χ^2/NDF:188168.4/5

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

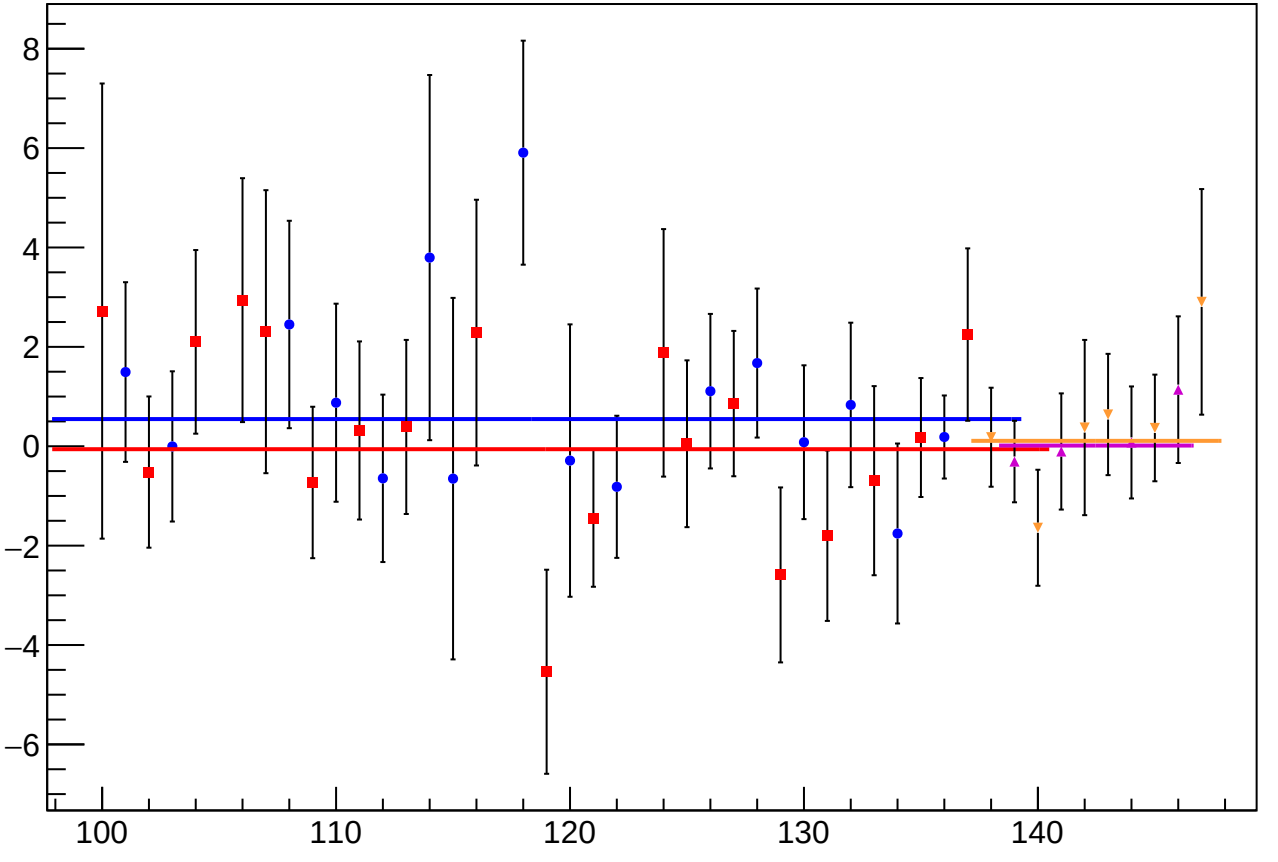
Left In: 5985.433+/-2.292 χ^2/NDF:131863.1/3

+ sign 6731.797+/-1.424 χ^2/NDF: 1064857.2/21

All: 6673.607+/-1.017 χ^2/NDF: 2091703.9/44

- sign 6613.129+/-1.452 χ^2/NDF: 1023442.0/22

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.109+/-0.513 χ^2/NDF:4.0/5

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

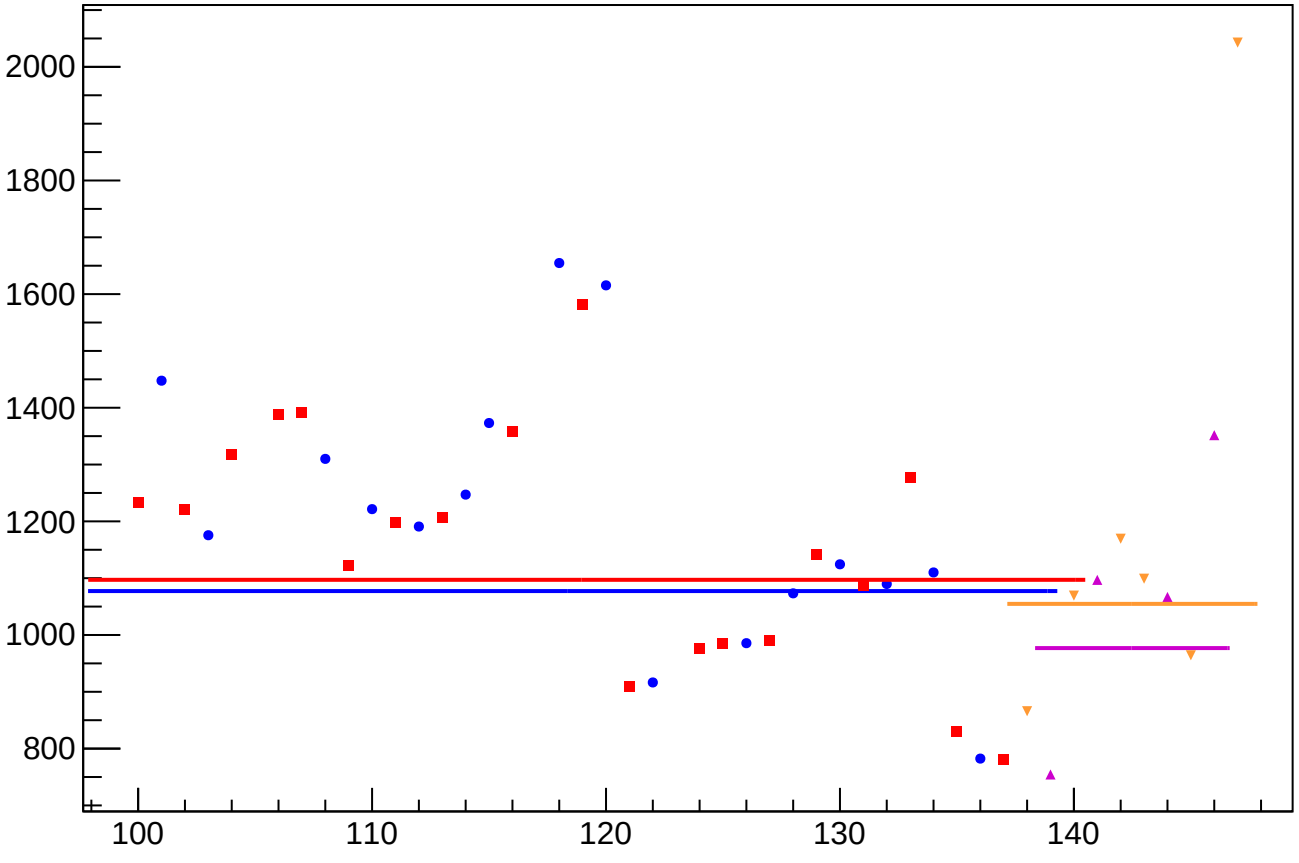
Left In: 0.014+/-0.537 χ^2/NDF:0.7/3

+ sign 0.376+/-0.321 χ^2/NDF: 16.4/21

All: 0.175+/-0.228 χ^2/NDF: 34.8/44

- sign -0.032+/-0.325 χ^2/NDF: 17.6/22

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1054.764+/-0.363 χ^2/NDF:476375.1/5

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

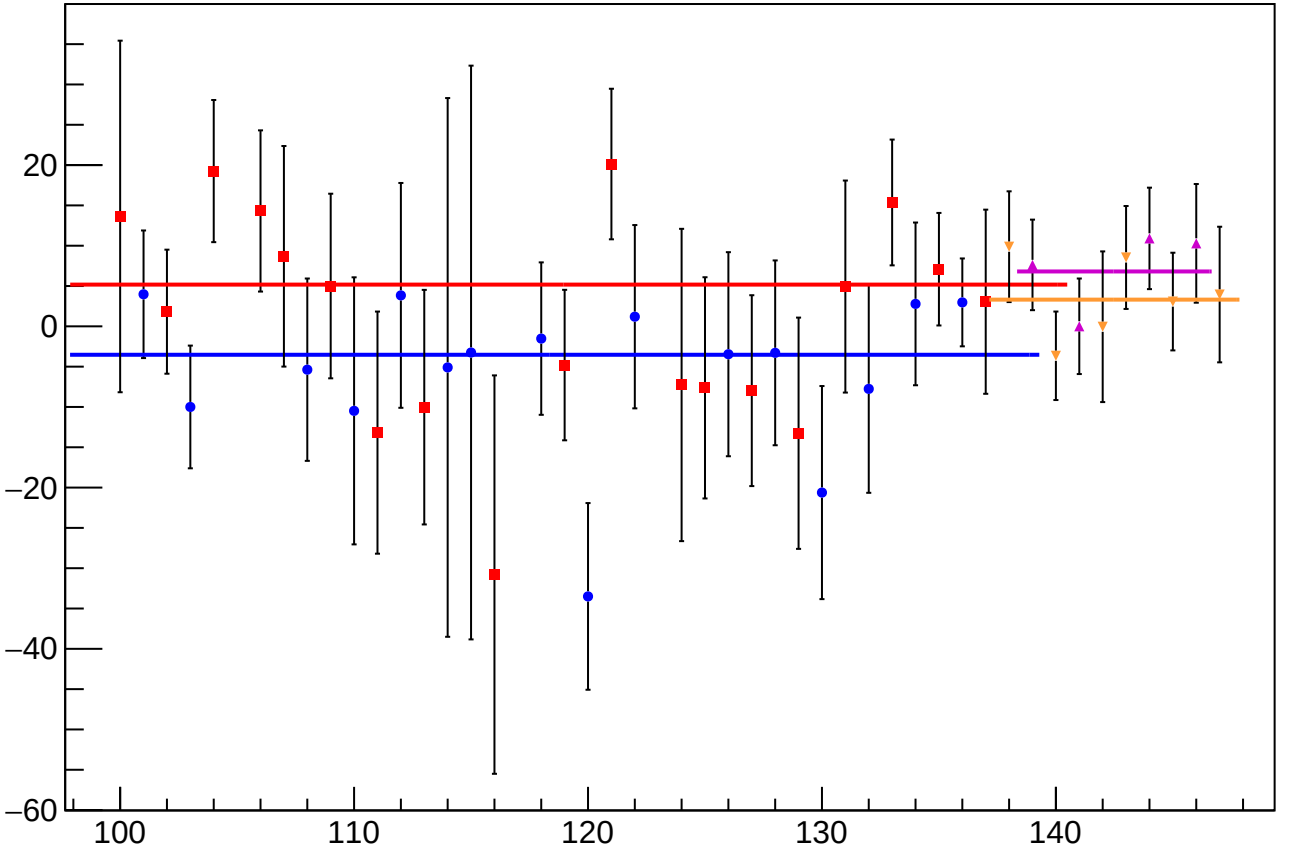
Left In: 976.943+/-0.380 χ^2/NDF:310056.0/3

+ sign 1068.501+/-0.227 χ^2/NDF: 1125248.1/21

All: 1060.879+/-0.162 χ^2/NDF: 1985330.6/44

- sign 1053.036+/-0.230 χ^2/NDF: 857790.9/22

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.312+/-2.755 χ^2/NDF:3.3/5

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

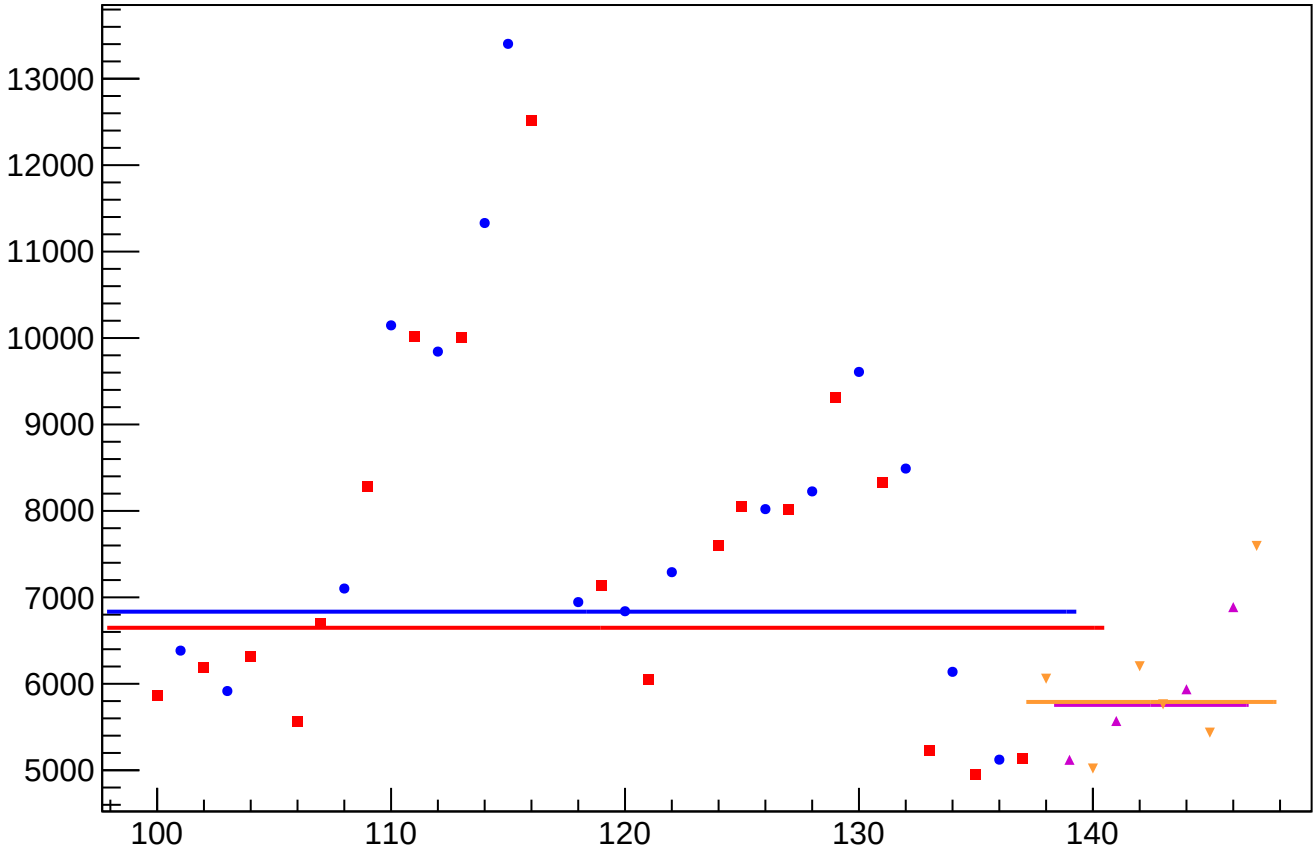
Left In: 6.806+/-3.102 χ^2/NDF:2.0/3

\+ sign -0.294+/-1.894 χ^2/NDF: 19.2/21

All: 2.673+/-1.359 χ^2/NDF: 44.6/44

\- sign 5.820+/-1.950 χ^2/NDF: 20.3/22

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5790.088+/-1.948 χ^2/NDF:145369.7/5

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

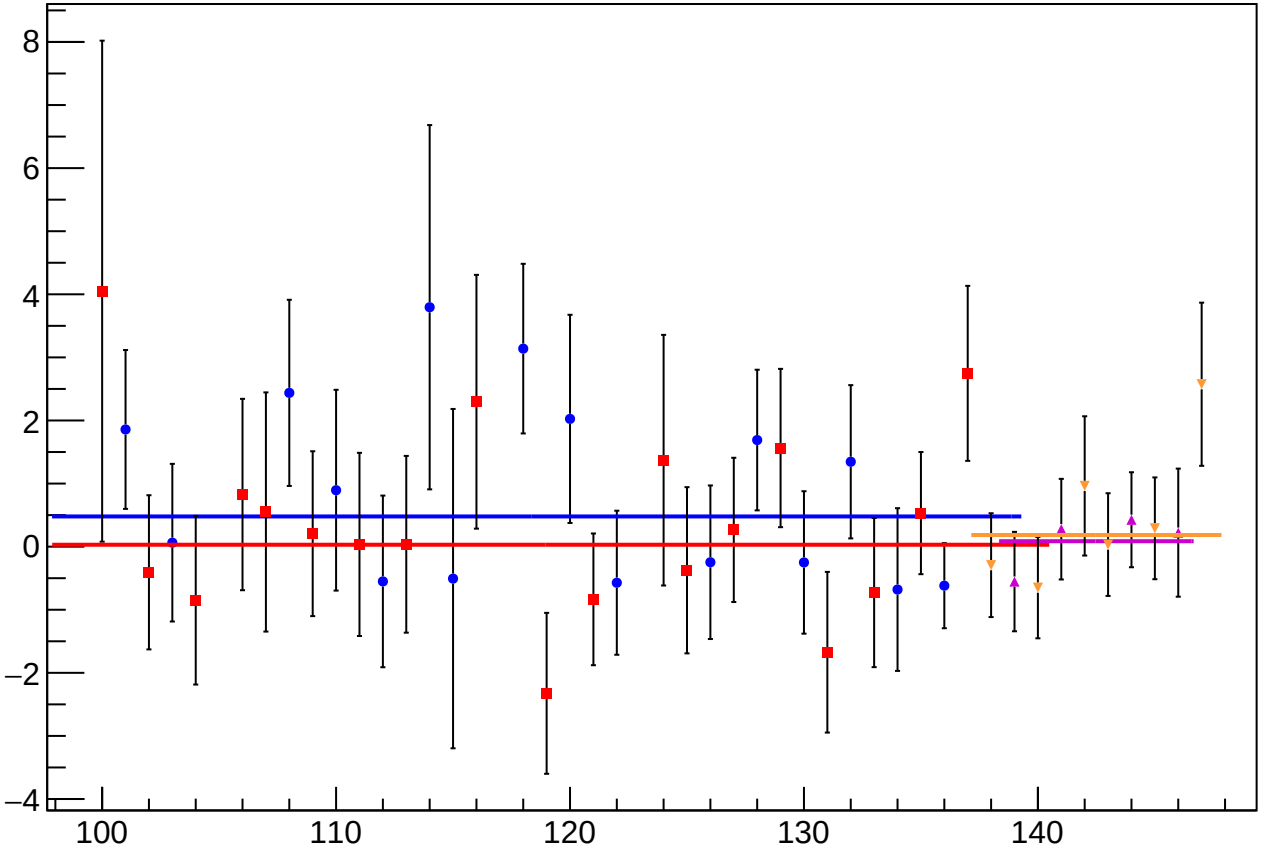
Left In: 5756.079+/-2.194 χ^2/NDF:76451.8/3

+ sign 6340.718+/-1.339 χ^2/NDF: 989647.6/21

All: 6318.753+/-0.961 χ^2/NDF: 1951737.7/44

- sign 6295.460+/-1.379 χ^2/NDF: 961535.8/22

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.185+/-0.365 χ^2/NDF:5.4/5

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

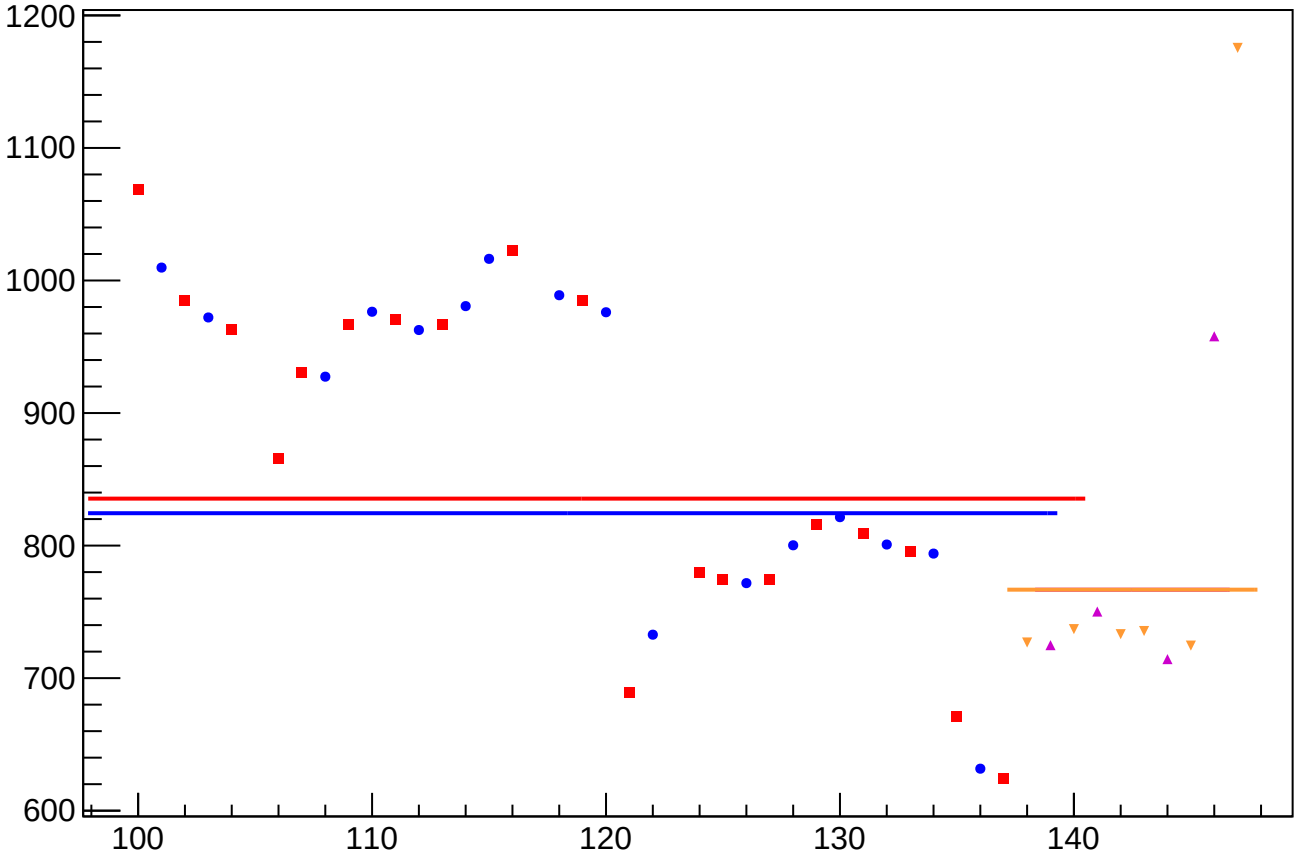
Left In: 0.086+/-0.411 χ^2/NDF:0.9/3

+ sign 0.355+/-0.237 χ^2/NDF: 22.5/21

All: 0.209+/-0.171 χ^2/NDF: 39.9/44

- sign 0.051+/-0.247 χ^2/NDF: 16.7/22

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 766.741+/-0.258 χ^2/NDF:217579.5/5

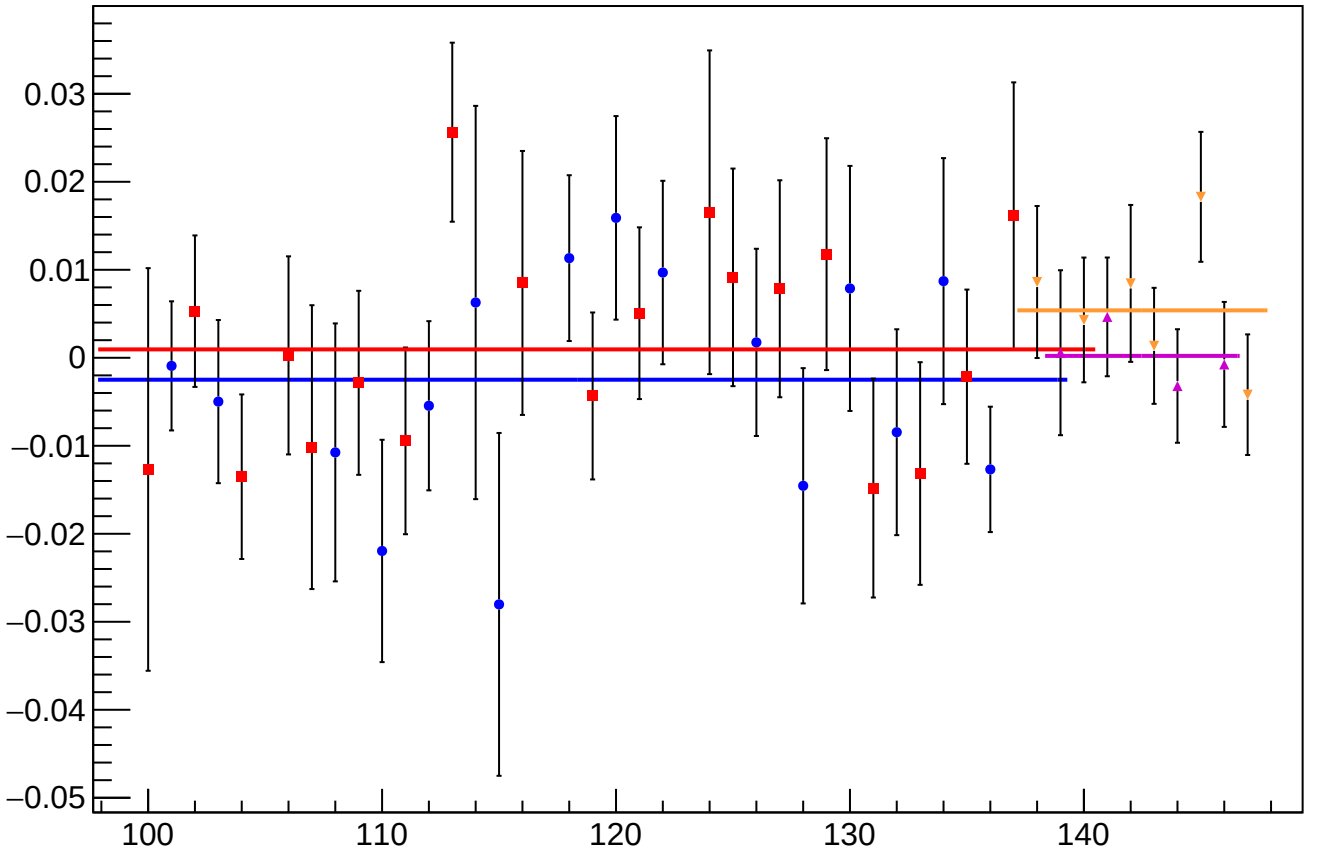
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 766.689+/-0.291 χ^2/NDF:87096.8/3

+ sign 800.212+/-0.167 χ^2/NDF: 611970.3/21

All: 805.220+/-0.121 χ^2/NDF: 1056019.1/44

- sign 810.662+/-0.174 χ^2/NDF: 442181.0/22



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.003 χ^2/NDF:5.7/5

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

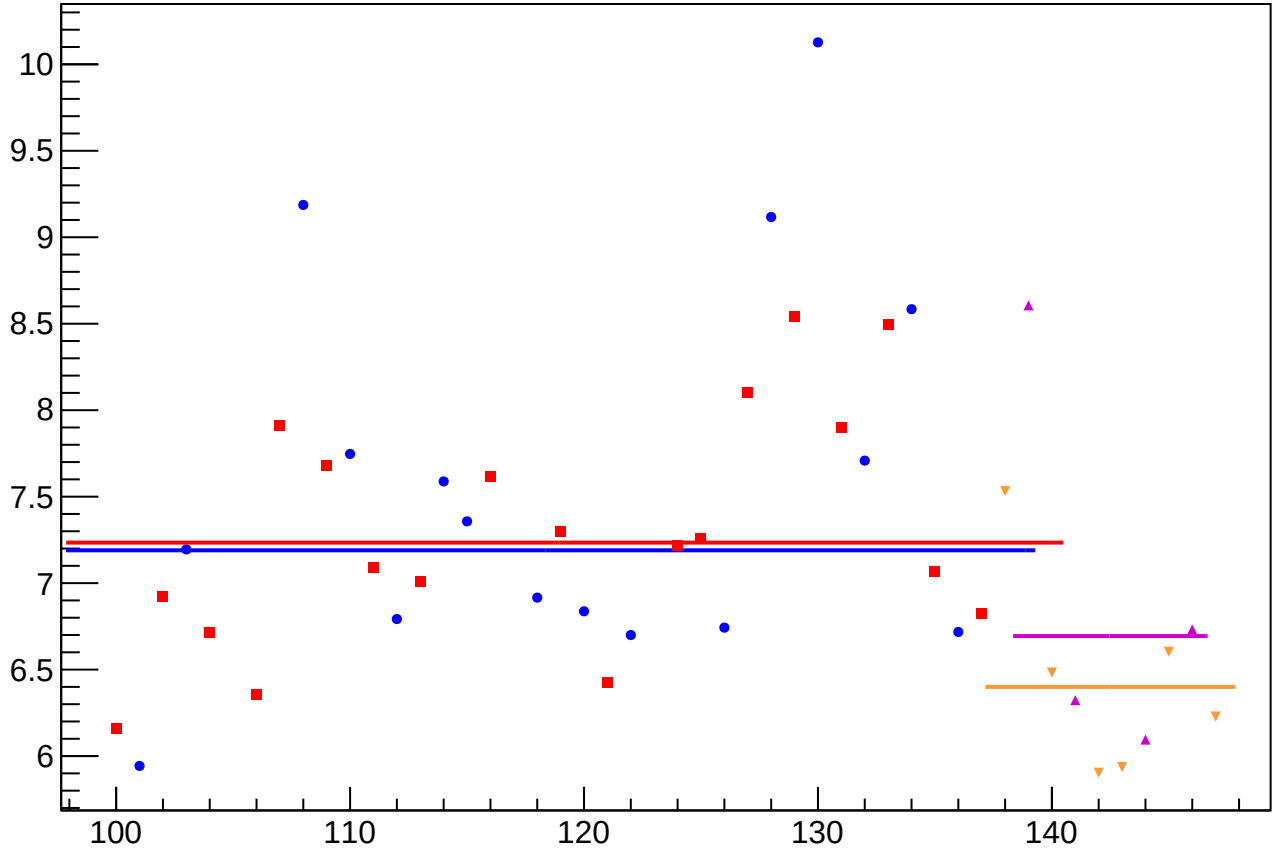
Left In: 0.000+/-0.004 χ^2/NDF:0.7/3

+ sign 0.001+/-0.002 χ^2/NDF: 24.7/21

All: 0.001+/-0.001 χ^2/NDF: 42.8/44

- sign 0.001+/-0.002 χ^2/NDF: 18.1/22

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.400+/-0.002 χ^2/NDF:53467.6/5

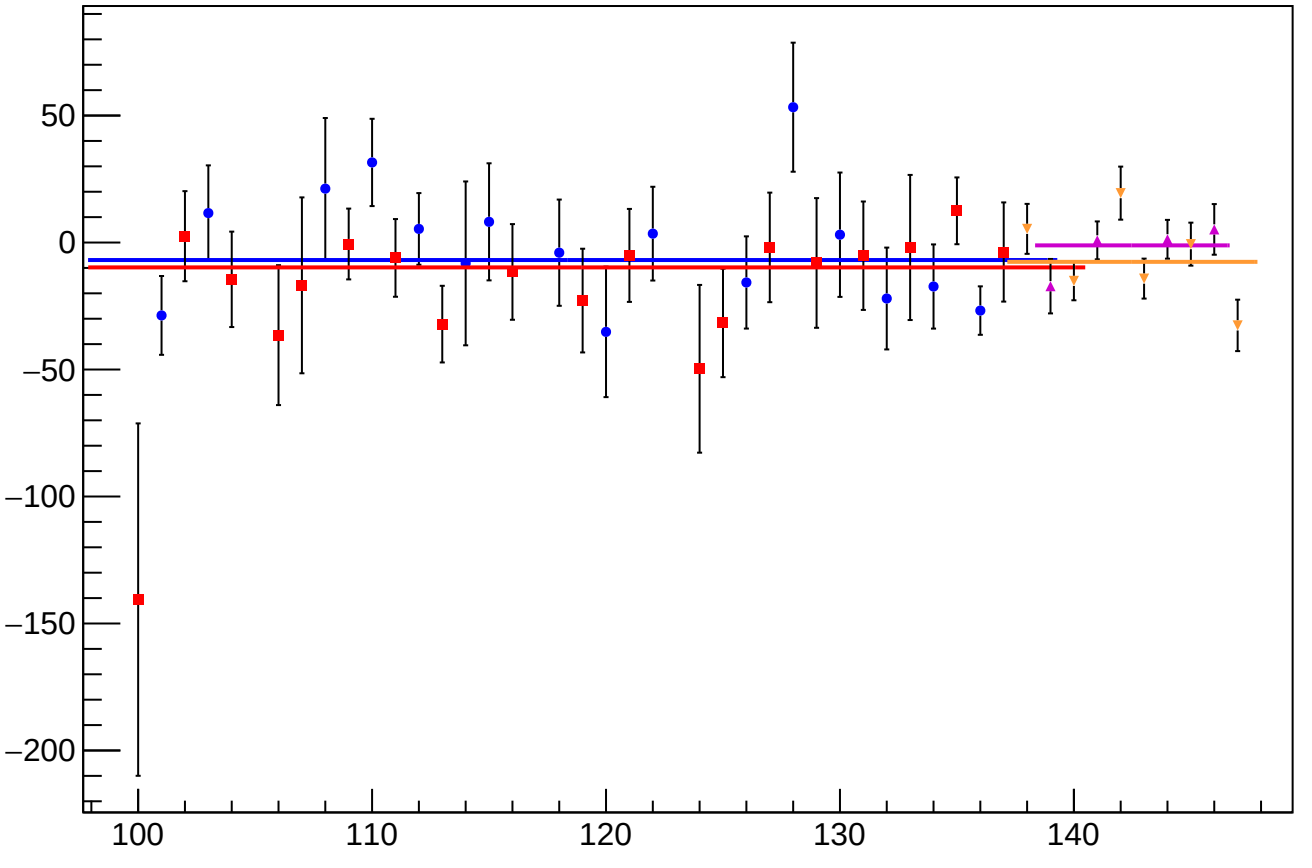
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.694+/-0.003 χ^2/NDF:106575.2/3

+ sign 6.840+/-0.001 χ^2/NDF: 406483.6/21

All: 6.936+/-0.001 χ^2/NDF: 658114.6/44

- sign 7.044+/-0.002 χ^2/NDF: 242020.9/22



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -7.602+/-3.615 χ^2/NDF:16.9/5

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

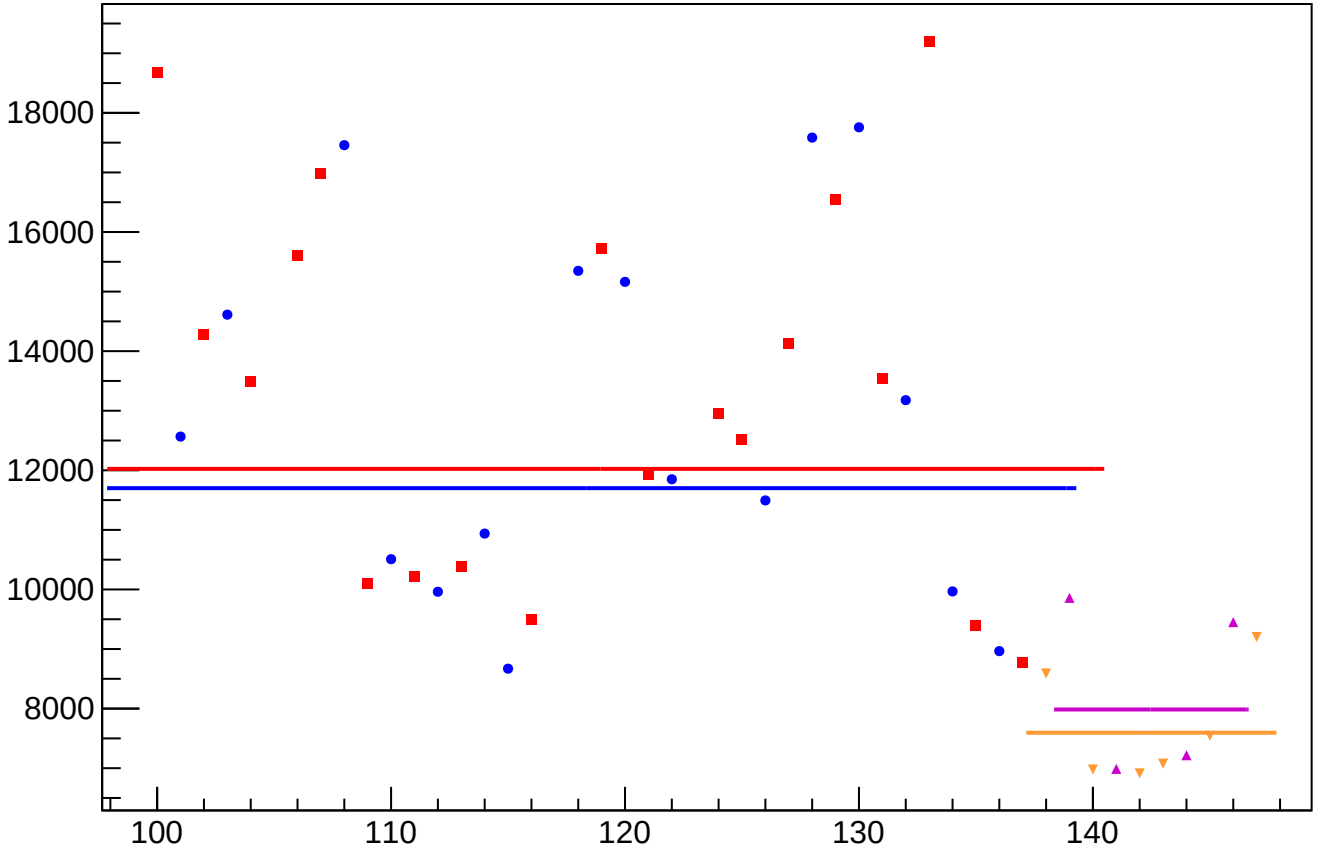
Left In: -1.118+/-4.309 χ^2/NDF:2.8/3

+ sign -7.322+/-2.815 χ^2/NDF: 40.0/21

All: -6.391+/-2.090 χ^2/NDF: 58.9/44

- sign -5.250+/-3.118 χ^2/NDF: 18.7/22

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7595.108+/-2.556 χ^2/NDF:101179.5/5

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

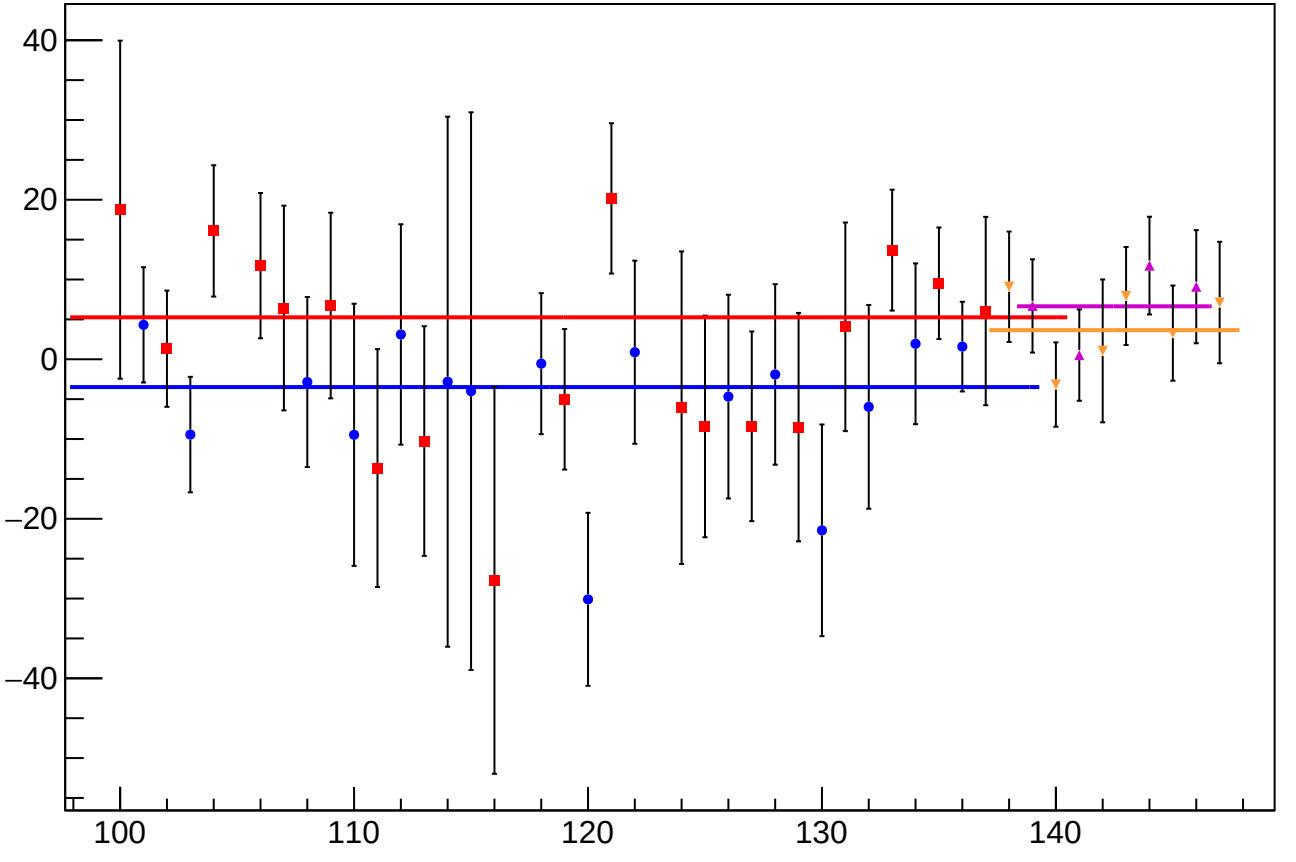
Left In: 7985.274+/-3.047 χ^2/NDF:160285.0/3

\+ sign 9210.323+/-1.991 χ^2/NDF: 1856390.1/21

All: 9524.311+/-1.478 χ^2/NDF: 3594009.5/44

\- sign 9909.453+/-2.205 χ^2/NDF: 1682225.1/22

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.652+/-2.663 χ^2/NDF:3.1/5

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

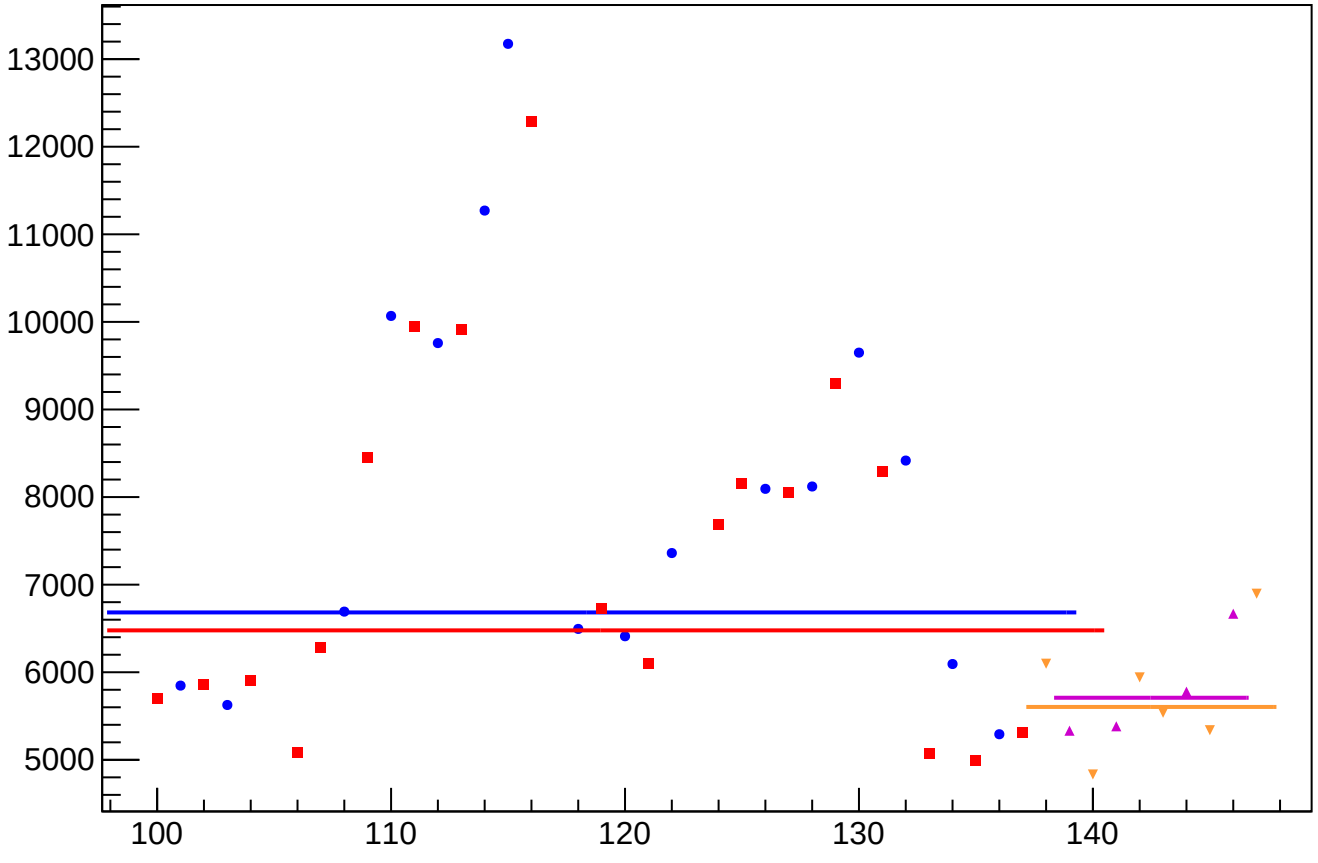
Left In: 6.640+/-3.068 χ^2/NDF:2.0/3

+ sign -0.072+/-1.842 χ^2/NDF: 18.3/21

All: 2.751+/-1.327 χ^2/NDF: 41.9/44

- sign 5.796+/-1.913 χ^2/NDF: 18.7/22

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5603.901+/-1.883 χ^2/NDF:117405.3/5

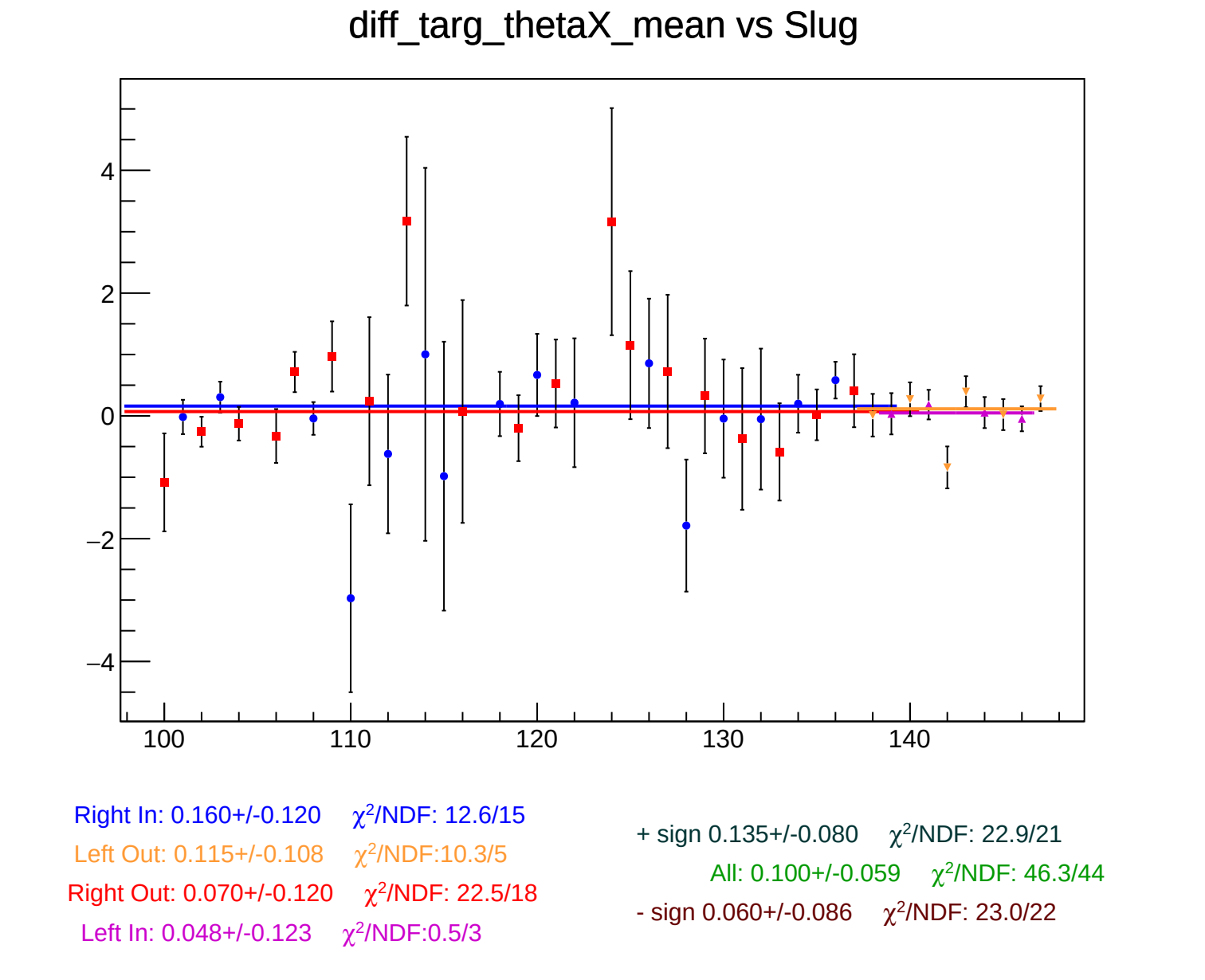
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5708.914+/-2.170 χ^2/NDF:51599.5/3

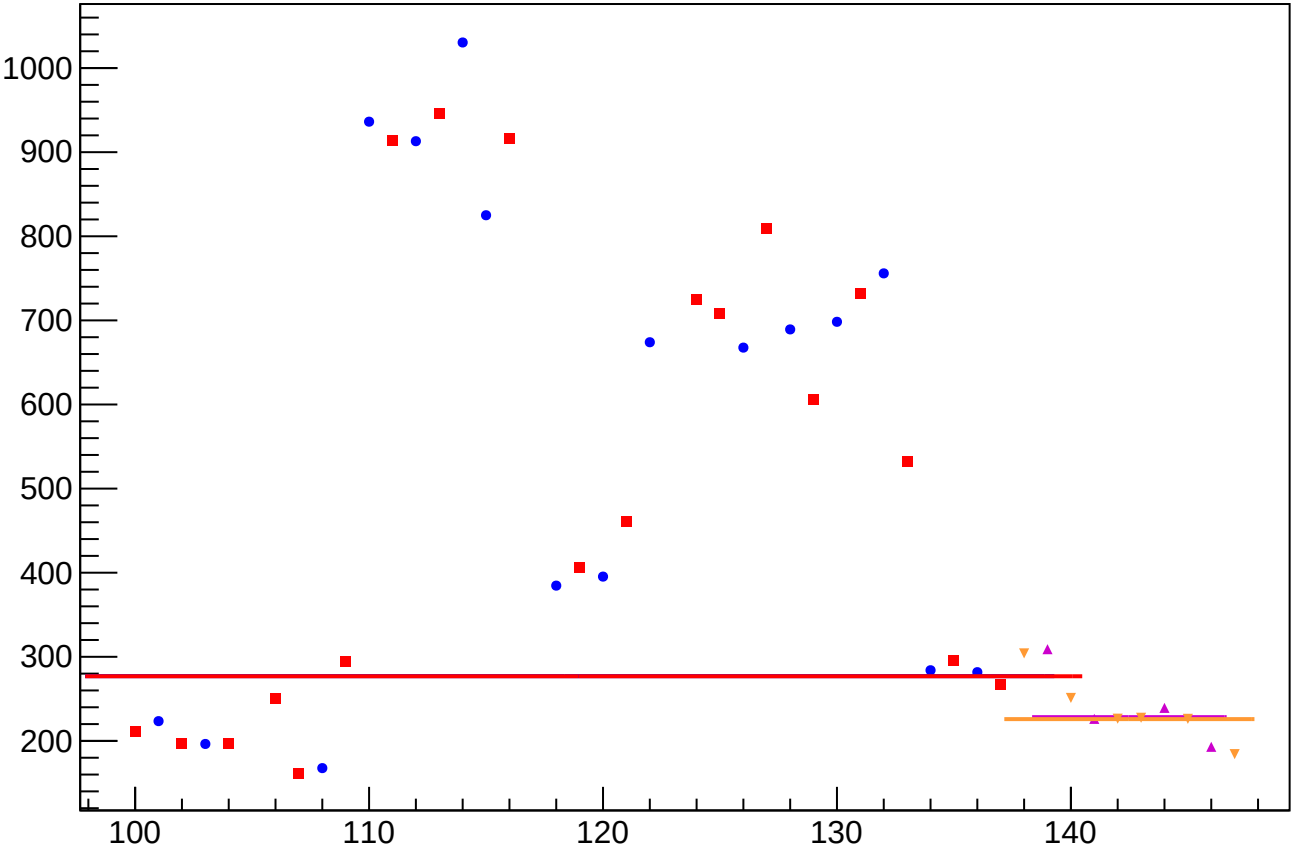
+ sign 6166.880+/-1.302 χ^2/NDF: 980950.2/21

All: 6172.810+/-0.938 χ^2/NDF: 1948661.9/44

- sign 6179.207+/-1.353 χ^2/NDF: 967668.6/22


diff_targ_thetaX_mean vs Slug
4
2
0
−2
−4
100
110
120
130
140
Right In: 0.160+/-0.120 χ²/NDF: 12.6/15
Left Out: 0.115+/-0.108 χ²/NDF:10.3/5
Right Out: 0.070+/-0.120 χ²/NDF: 22.5/18
Left In: 0.048+/-0.123 χ²/NDF:0.5/3
+ sign 0.135+/-0.080 χ²/NDF: 22.9/21
All: 0.100+/-0.059 χ²/NDF: 46.3/44
- sign 0.060+/-0.086 χ²/NDF: 23.0/22

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 225.919+/-0.076 χ^2/NDF:202630.7/5

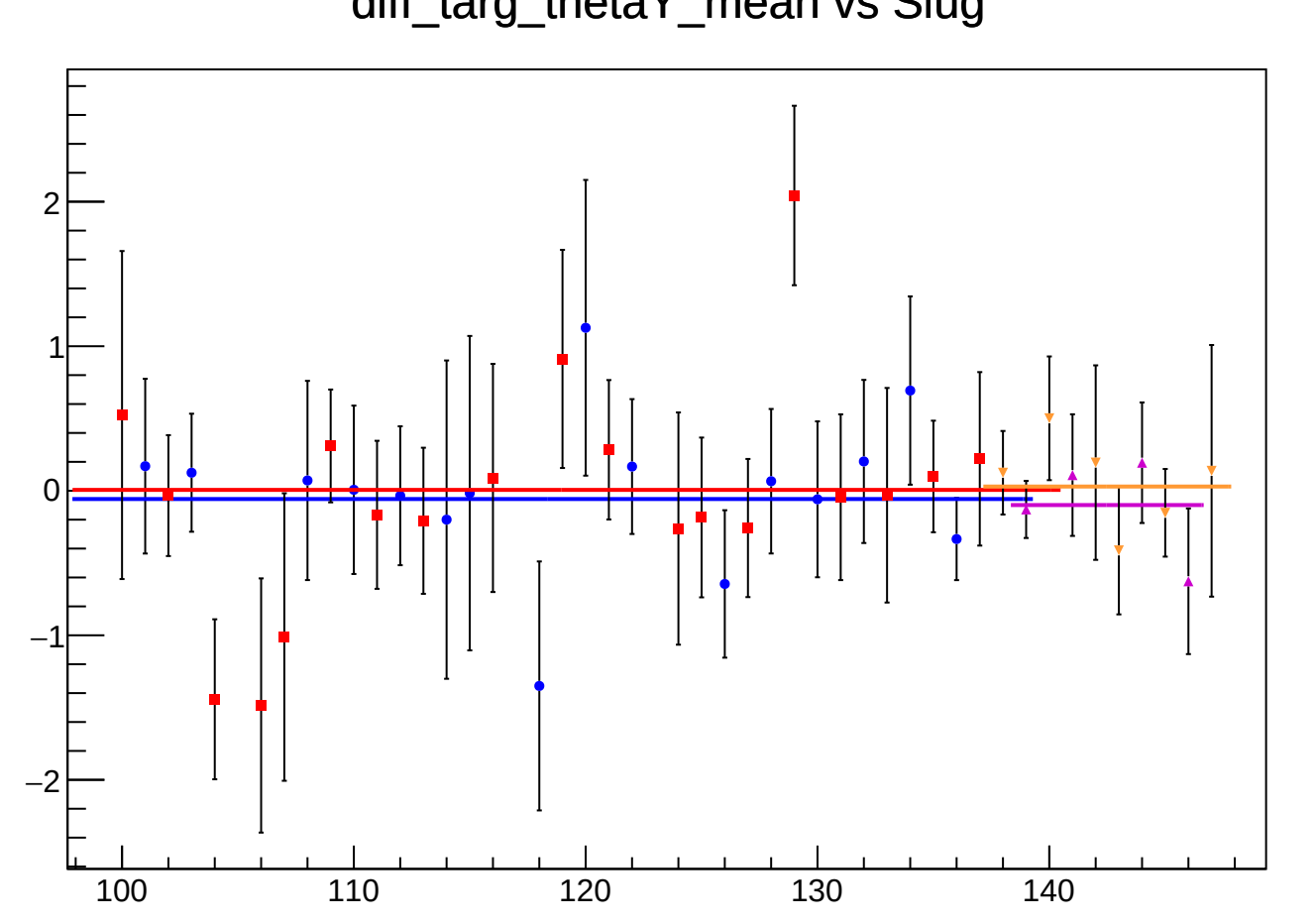
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 228.259+/-0.087 χ^2/NDF:179427.3/3

+ sign 248.872+/-0.057 χ^2/NDF: 3854311.9/21

All: 250.923+/-0.041 χ^2/NDF: 7768215.1/44

- sign 253.278+/-0.061 χ^2/NDF: 3911089.0/22



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.029+/-0.165 χ^2/NDF:2.8/5

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

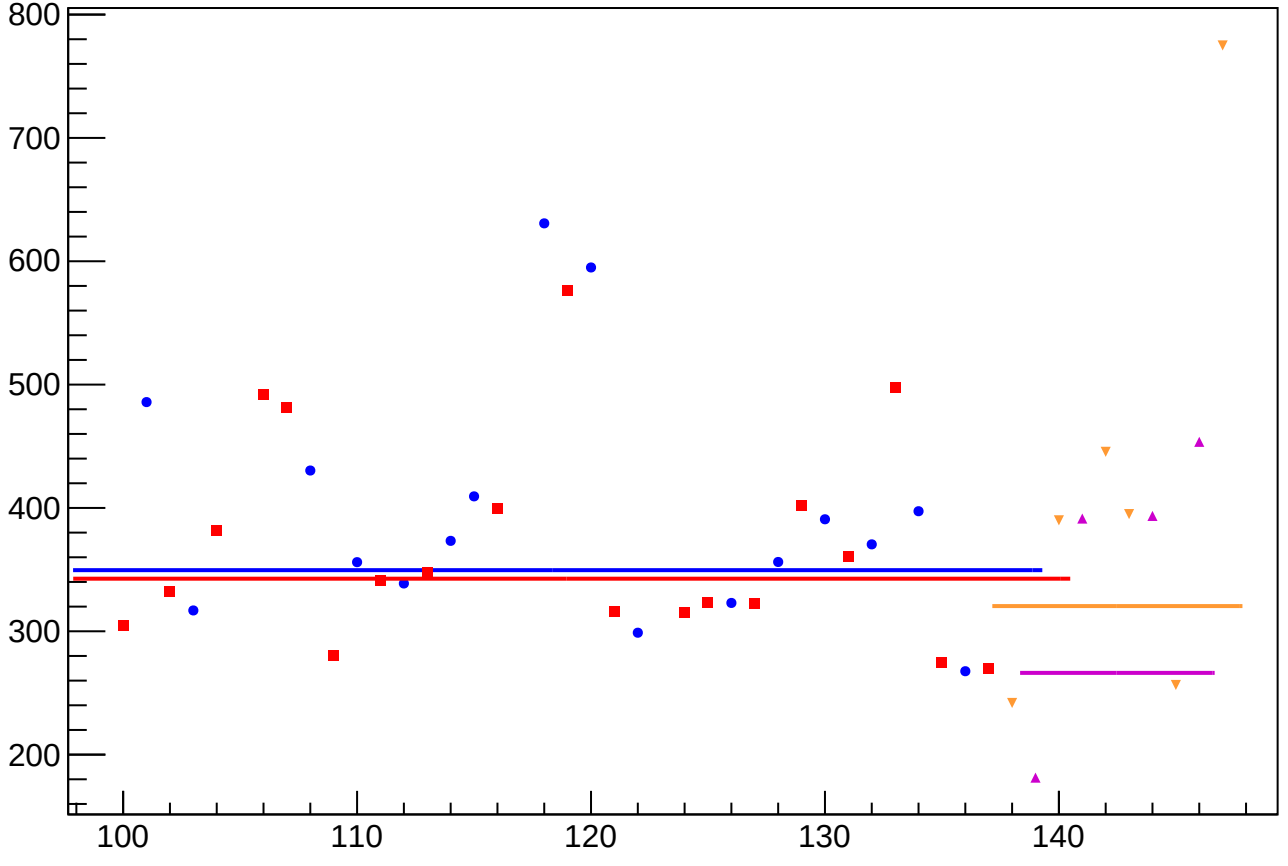
Left In: -0.099+/-0.156 χ^2/NDF:1.9/3

+ sign -0.023+/-0.104 χ^2/NDF: 11.0/21

All: -0.030+/-0.072 χ^2/NDF: 38.3/44

- sign -0.037+/-0.099 χ^2/NDF: 27.3/22

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 320.430+/-0.116 χ^2/NDF:960810.9/5

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

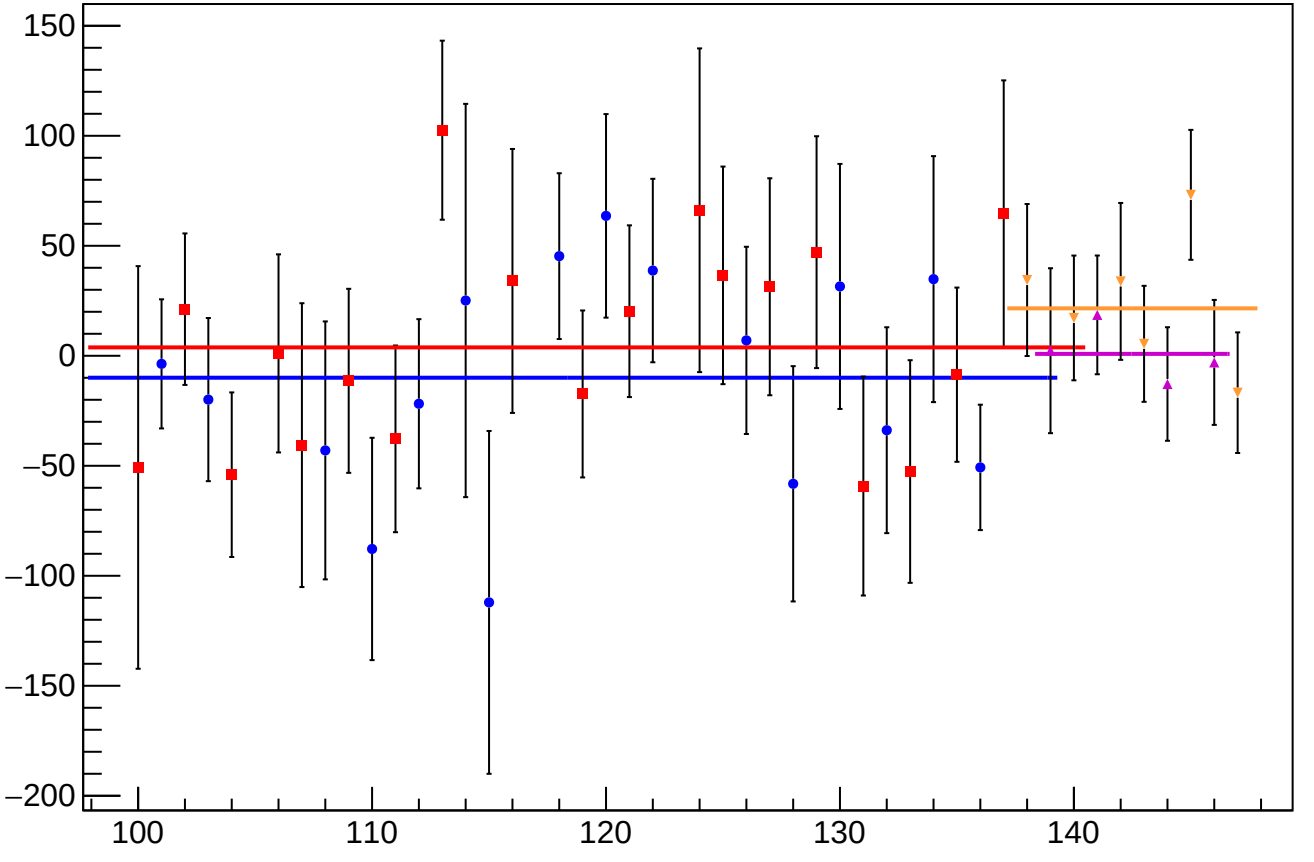
Left In: 266.273+/-0.110 χ^2/NDF:1009236.9/3

+ sign 337.963+/-0.073 χ^2/NDF: 1697853.8/21

All: 324.270+/-0.051 χ^2/NDF: 3633846.1/44

- sign 311.705+/-0.070 χ^2/NDF: 1869261.3/22

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

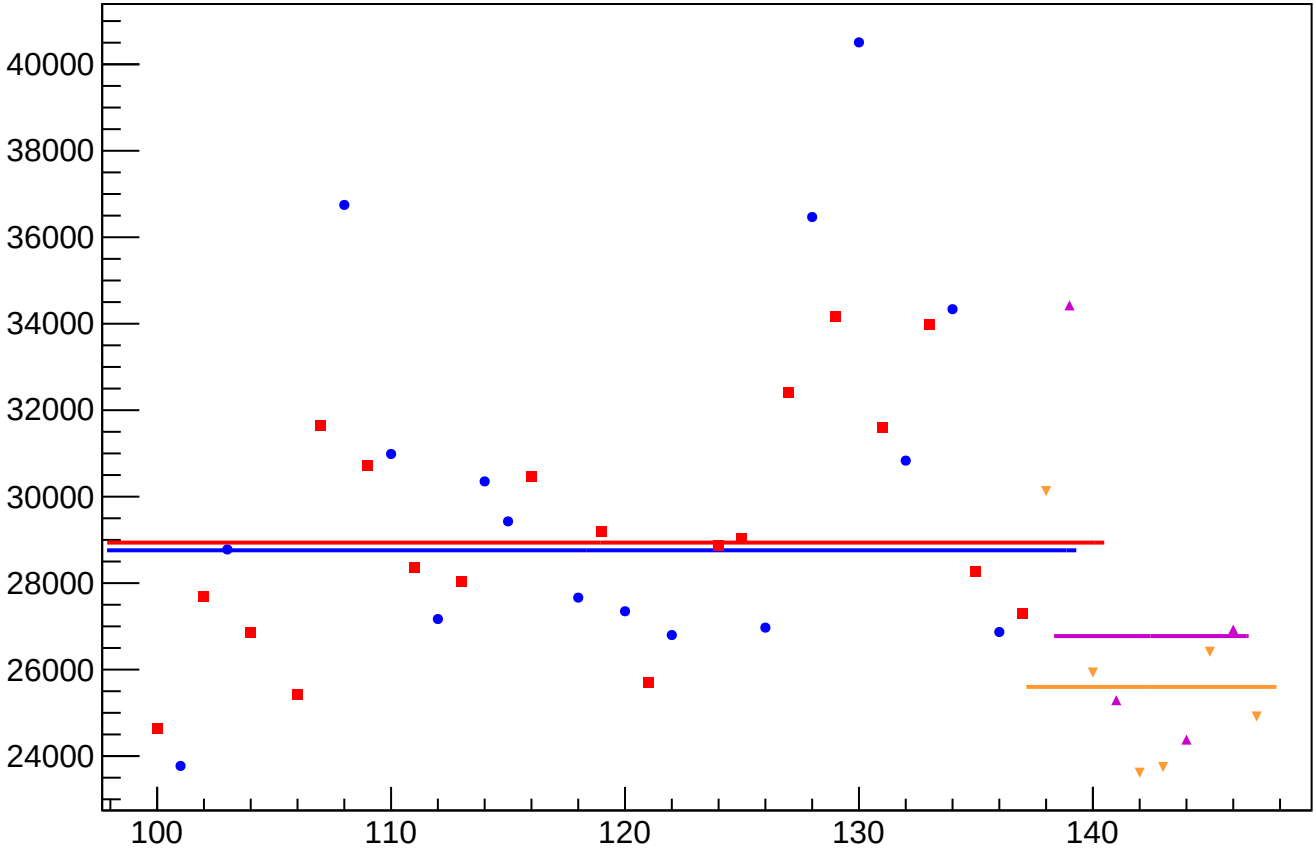
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 3.426+/-5.876 χ^2/NDF: 42.8/44

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

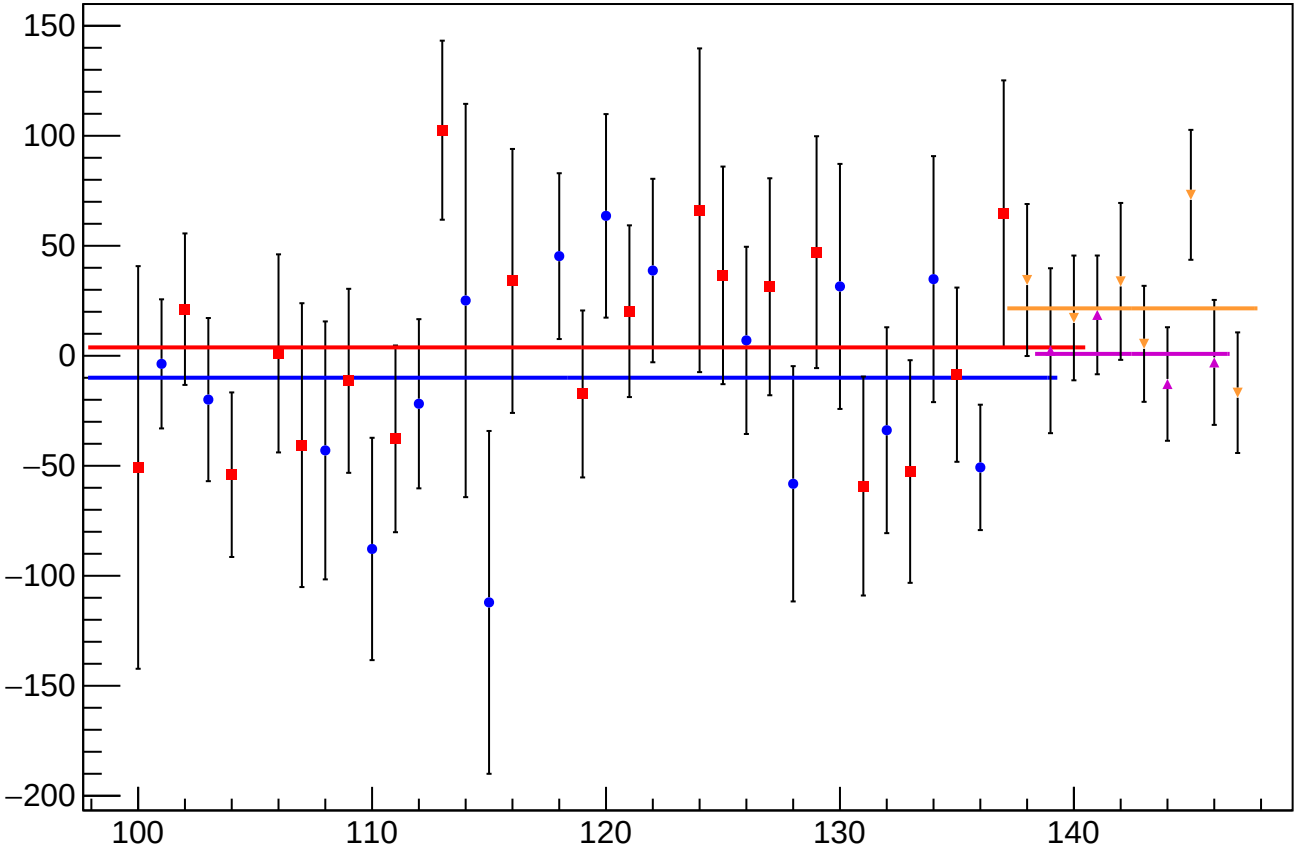
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27358.278+/-5.717 χ^2/NDF: 406483.6/21

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

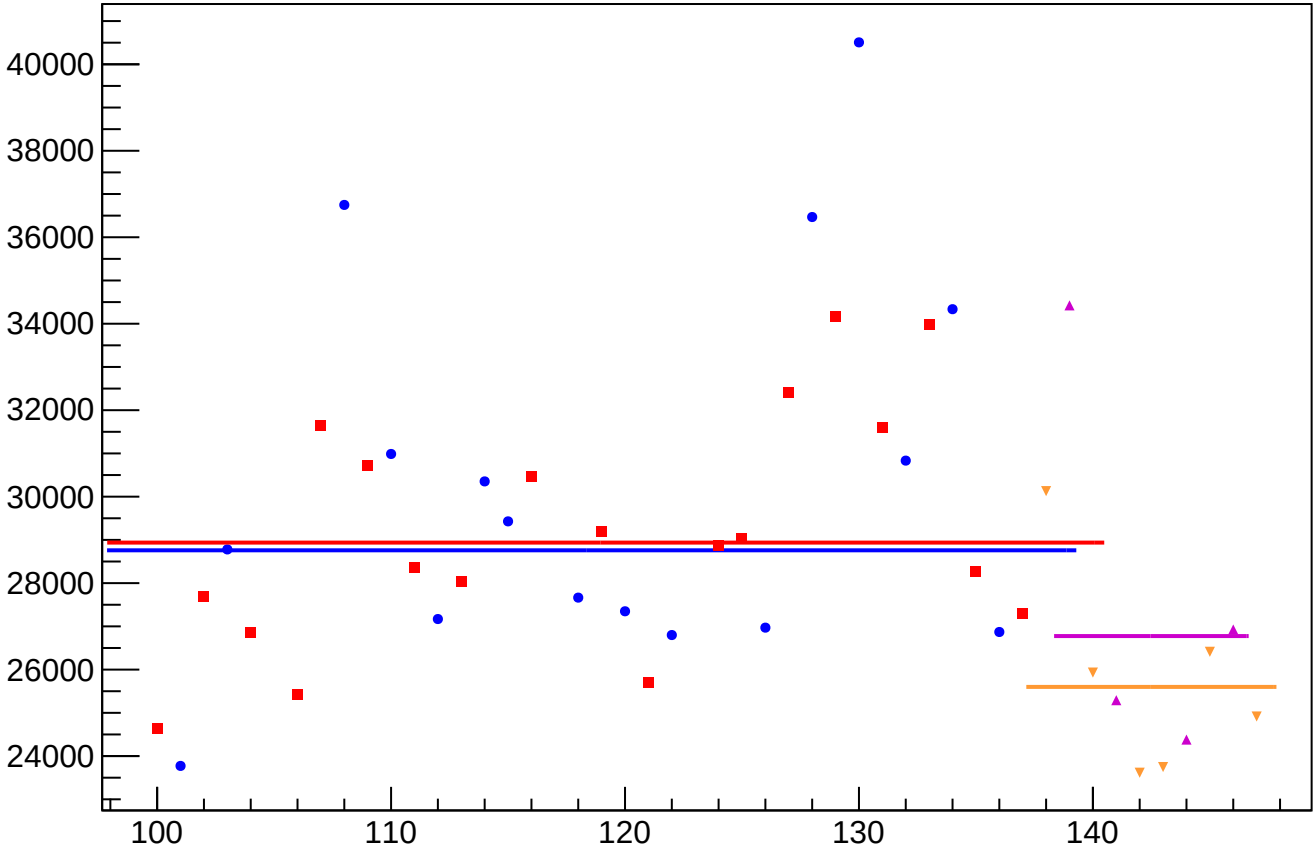
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 3.426+/-5.876 χ^2/NDF: 42.8/44

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

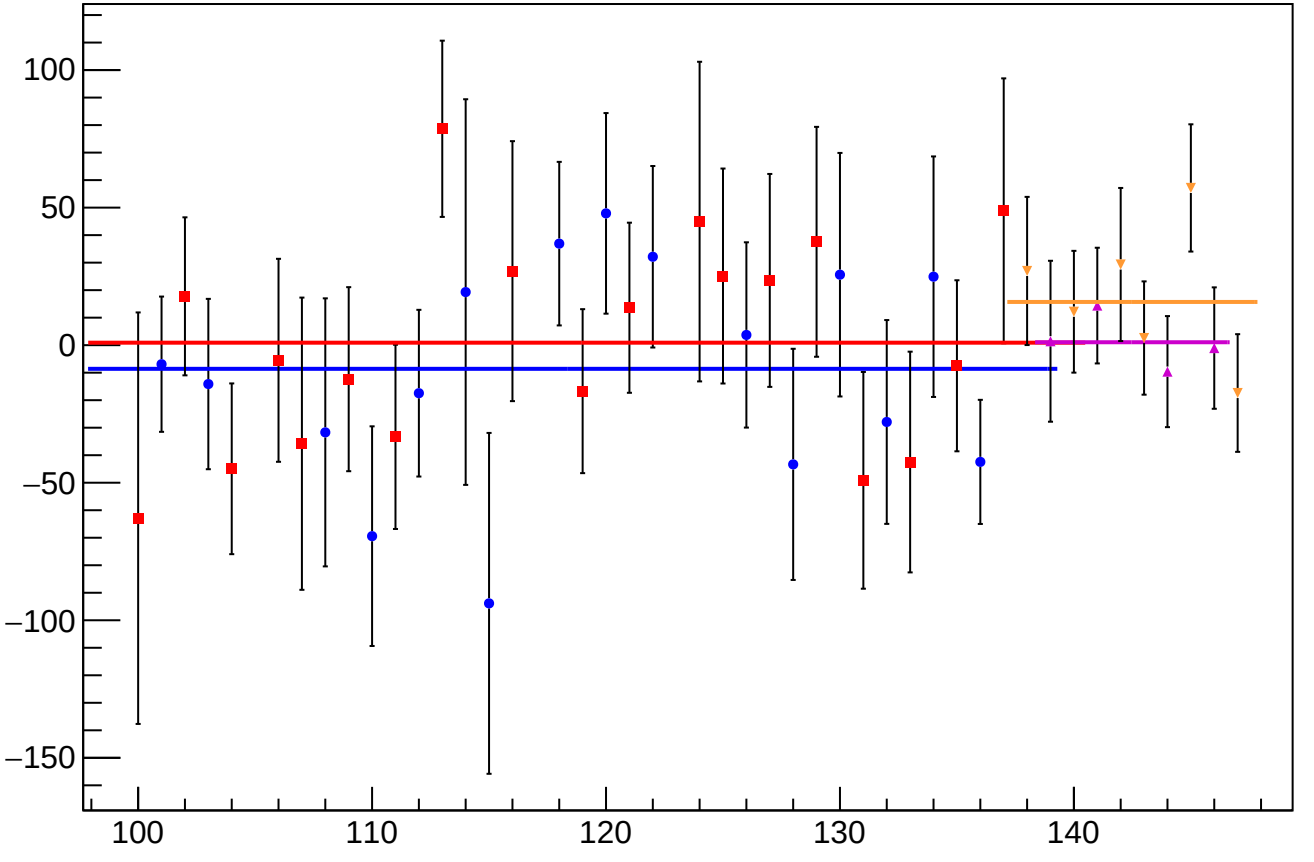
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27358.278+/-5.717 χ^2/NDF: 406483.6/21

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 15.713+/-9.481 χ^2/NDF:6.5/5

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

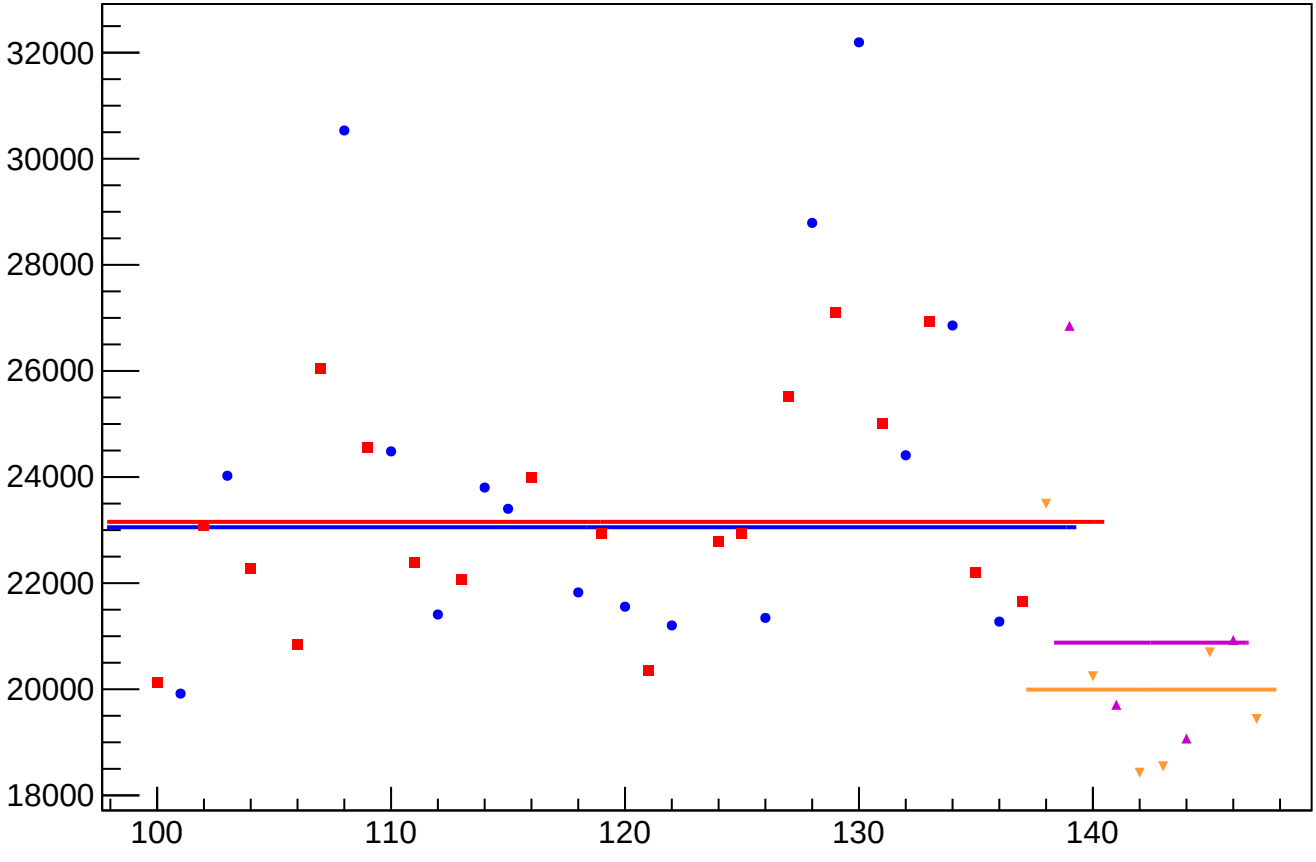
Left In: 1.063+/-11.224 χ^2/NDF:0.7/3

+ sign 2.485+/-6.401 χ^2/NDF: 25.5/21

All: 1.767+/-4.654 χ^2/NDF: 43.9/44

- sign 0.962+/-6.779 χ^2/NDF: 18.3/22

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19993.540+/-6.704 χ^2/NDF:53472.1/5

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

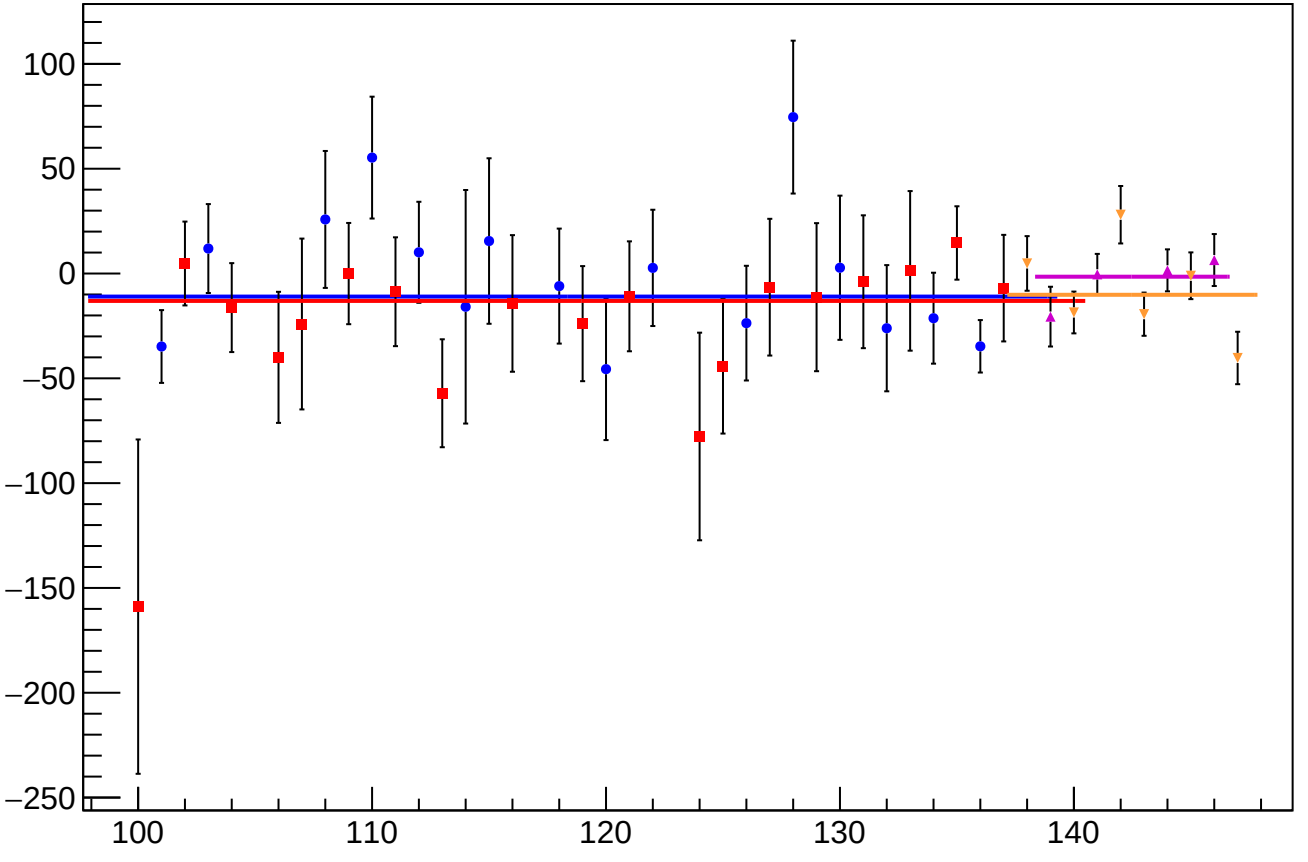
Left In: 20878.606+/-7.937 χ^2/NDF:105597.4/3

+ sign 21658.676+/-4.527 χ^2/NDF: 428305.3/21

All: 21972.640+/-3.291 χ^2/NDF: 690270.7/44

- sign 22324.744+/-4.794 χ^2/NDF: 251759.0/22

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -10.149+/-4.707 χ^2/NDF:17.1/5

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

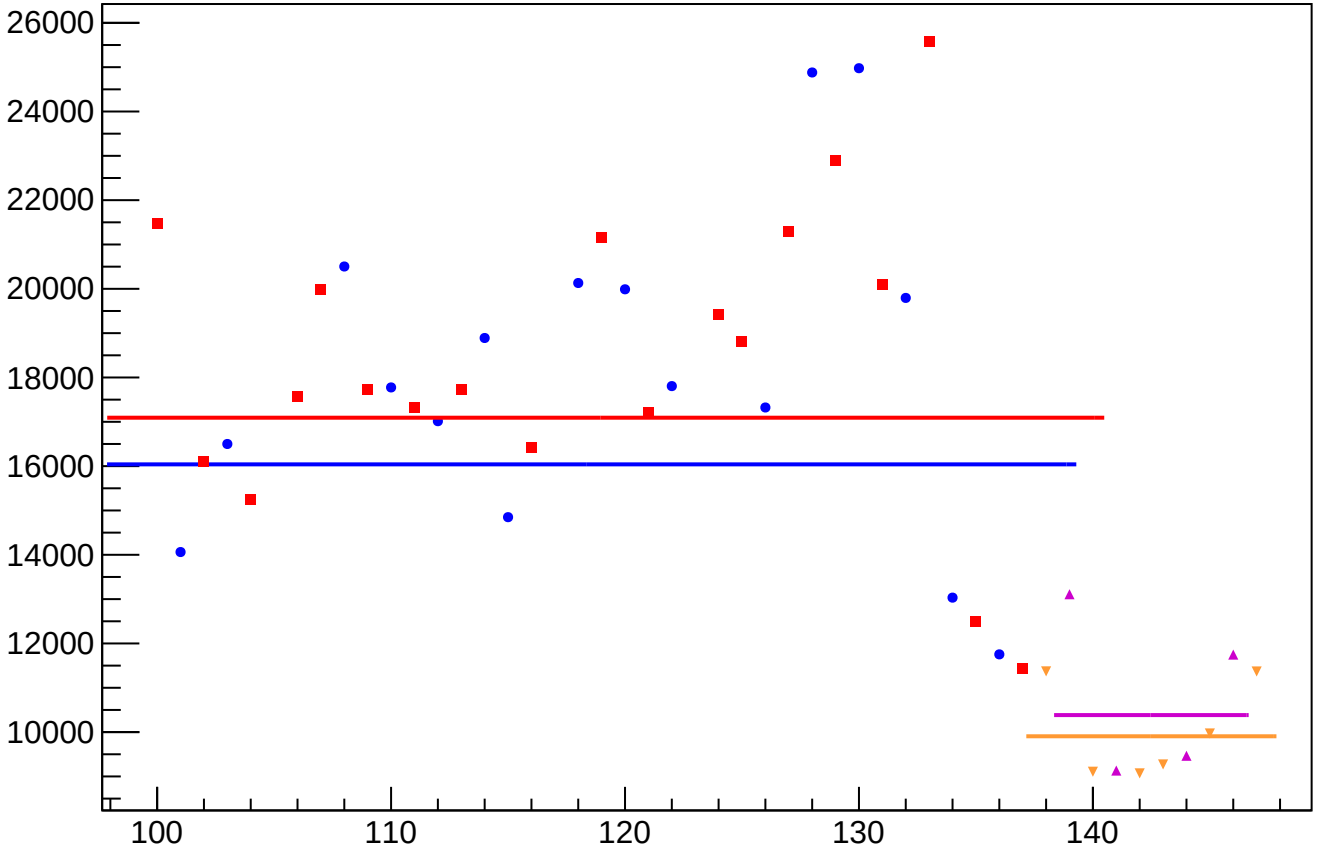
Left In: -1.515+/-5.599 χ^2/NDF:2.3/3

+ sign -10.464+/-3.739 χ^2/NDF: 39.1/21

All: -8.733+/-2.795 χ^2/NDF: 57.6/44

- sign -6.541+/-4.209 χ^2/NDF: 18.0/22

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9905.893+/-3.329 χ^2/NDF:80568.3/5

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

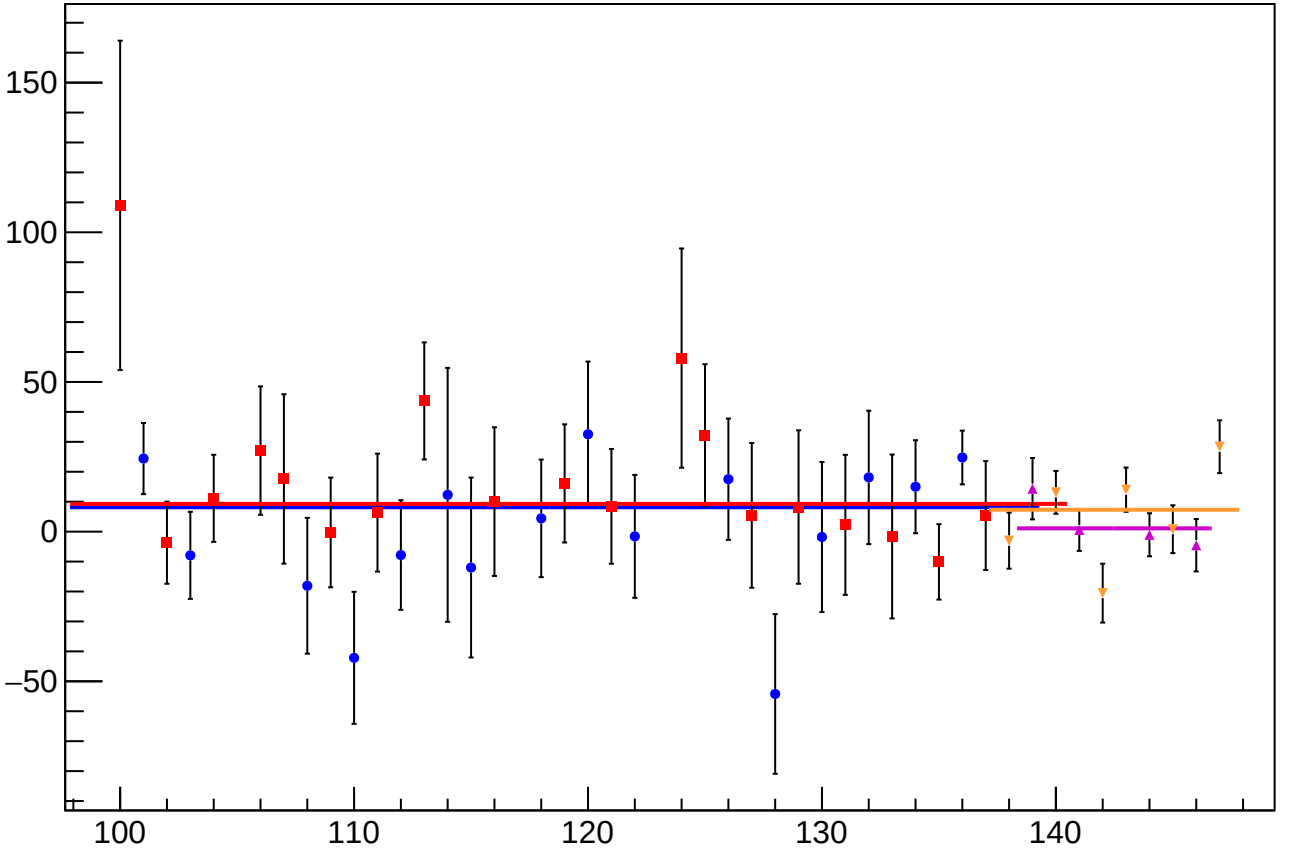
Left In: 10384.119+/-3.959 χ^2/NDF:147098.4/3

+ sign 12169.690+/-2.644 χ^2/NDF: 2056662.3/21

All: 12669.002+/-1.977 χ^2/NDF: 4068949.3/4

- sign 13301.599+/-2.976 χ^2/NDF: 1931435.4/22

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.309+/-3.370 χ^2/NDF:17.1/5

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

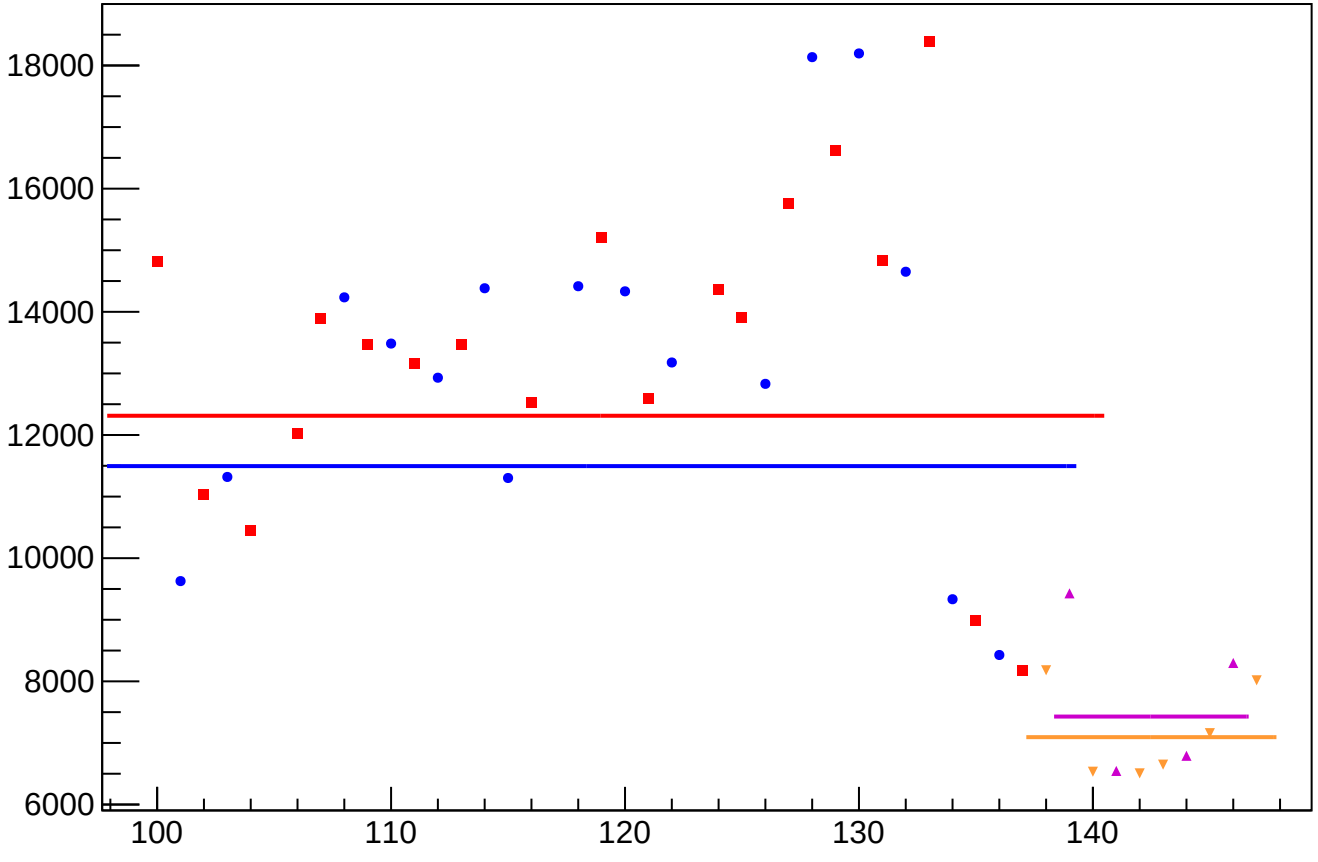
Left In: 1.095+/-4.004 χ^2/NDF:2.2/3

+ sign 7.618+/-2.680 χ^2/NDF: 38.9/21

All: 6.295+/-2.005 χ^2/NDF: 57.3/44

- sign 4.613+/-3.022 χ^2/NDF: 17.8/22

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7093.899+/-2.383 χ^2/NDF:75628.4/5

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

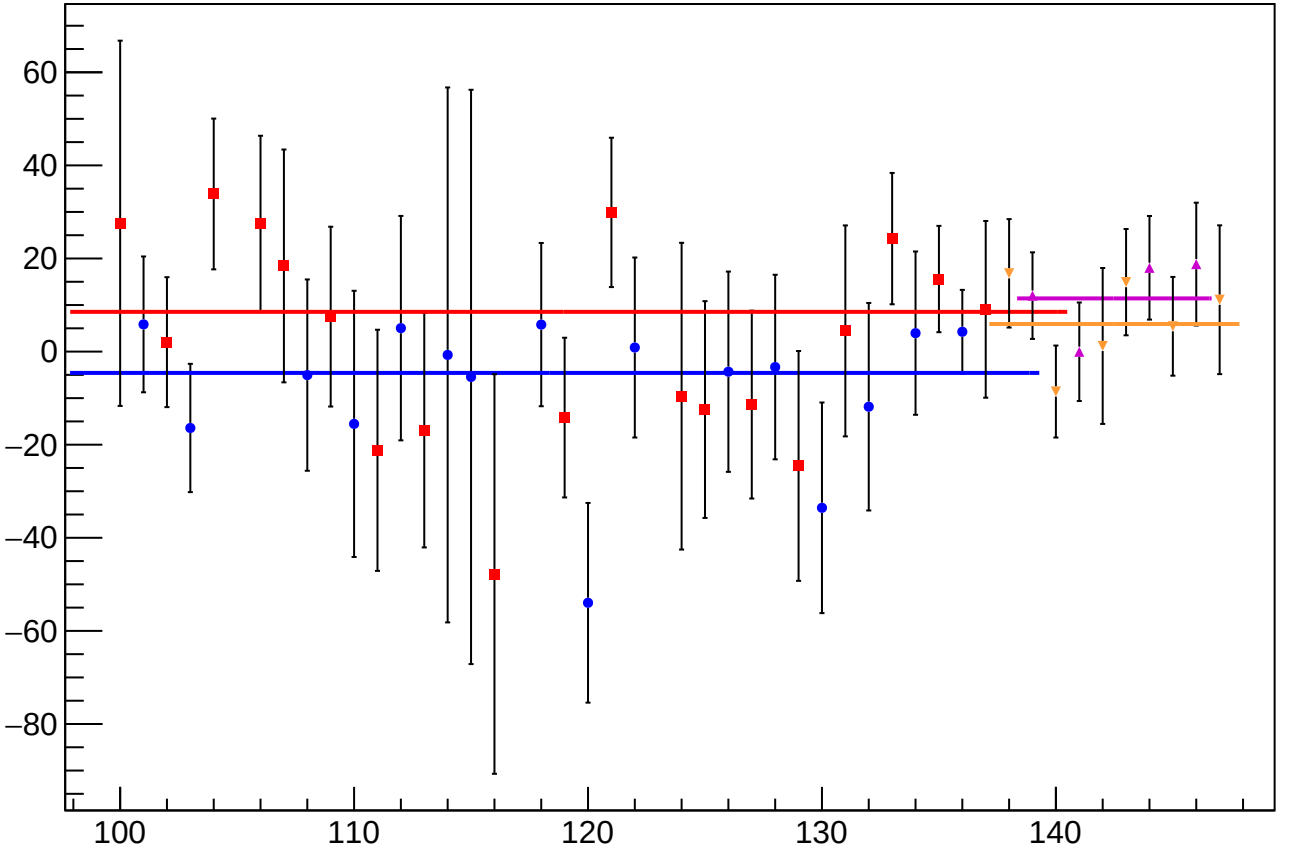
Left In: 7428.325+/-2.831 χ^2/NDF:143503.0/3

+ sign 8710.256+/-1.895 χ^2/NDF: 2118668.2/21

All: 9071.143+/-1.418 χ^2/NDF: 4223858.4/44

- sign 9529.939+/-2.137 χ^2/NDF: 2022839.4/22

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.922+/-4.900 χ^2/NDF:3.8/5

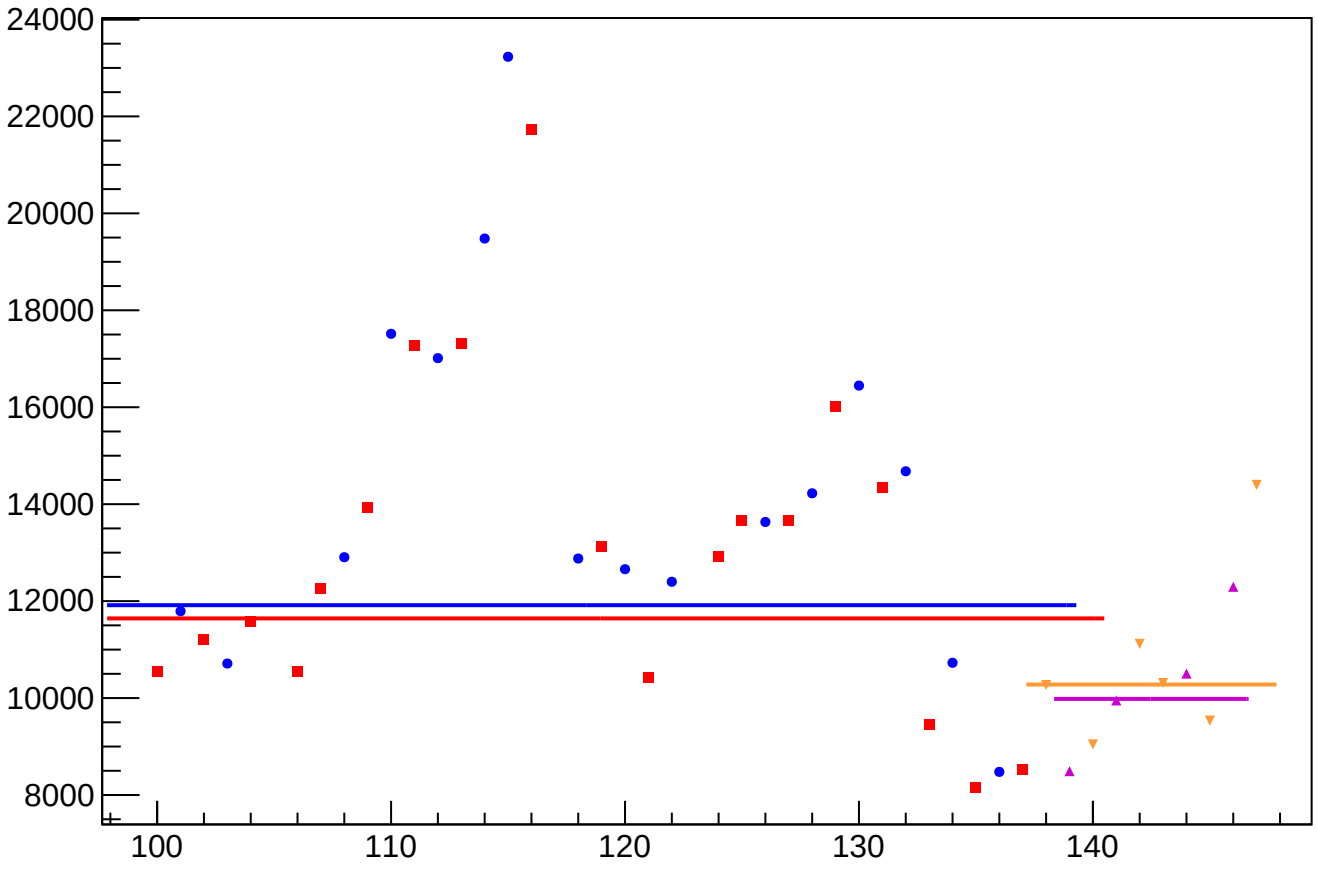
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 11.425+/-5.399 χ^2/NDF:1.8/3

+ sign 0.289+/-3.336 χ^2/NDF: 16.5/21

All: 4.888+/-2.384 χ^2/NDF: 39.6/44

- sign 9.687+/-3.407 χ^2/NDF: 19.2/22



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10279.144+/-3.465 χ^2/NDF:179043.1/5

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

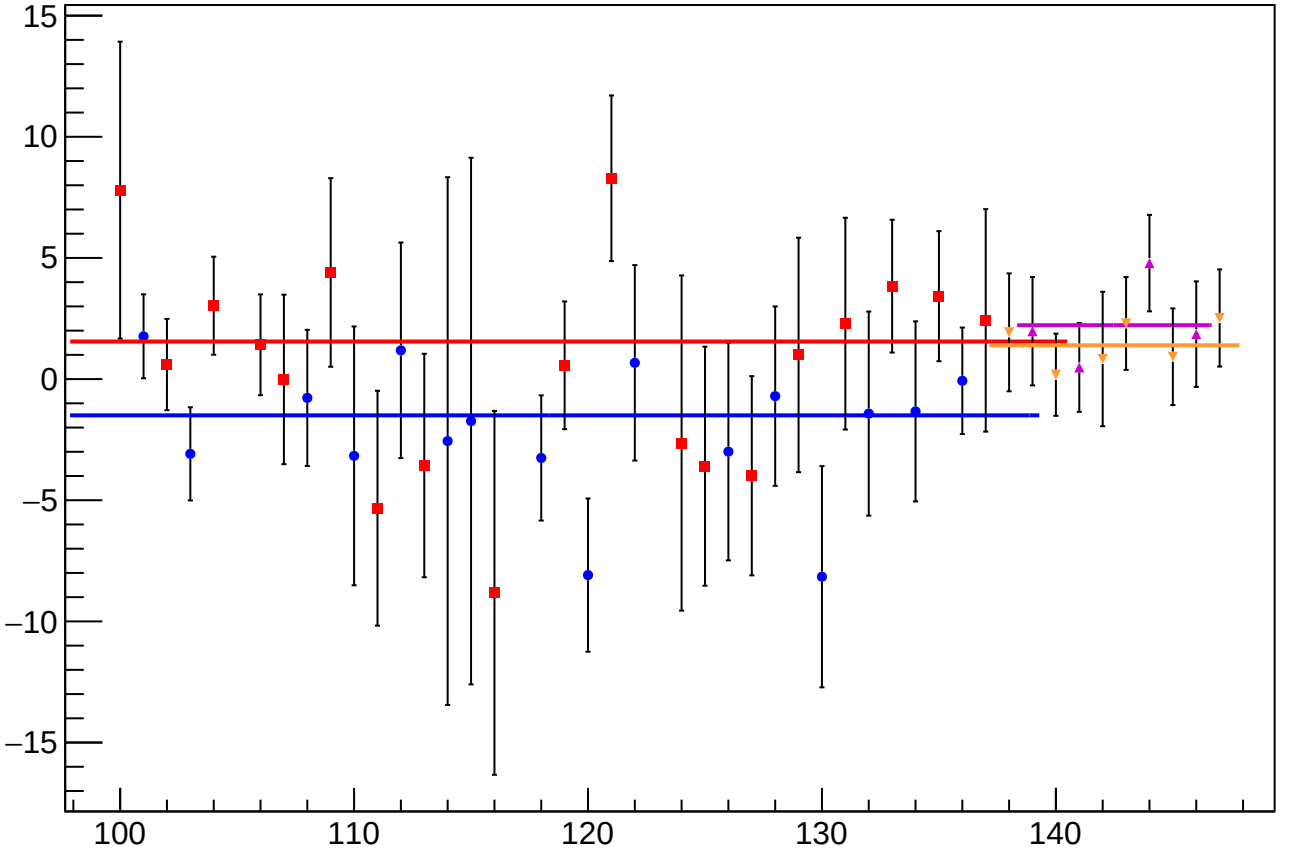
Left In: 9982.748+/-3.818 χ^2/NDF:117254.5/3

\+ sign 11157.534+/-2.359 χ^2/NDF: 1048624.0/21

All: 11071.710+/-1.685 χ^2/NDF: 2072832.7/4

\- sign 10982.169+/-2.409 χ^2/NDF: 1021503.5/22

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.396+/-0.839 χ^2/NDF:1.2/5

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

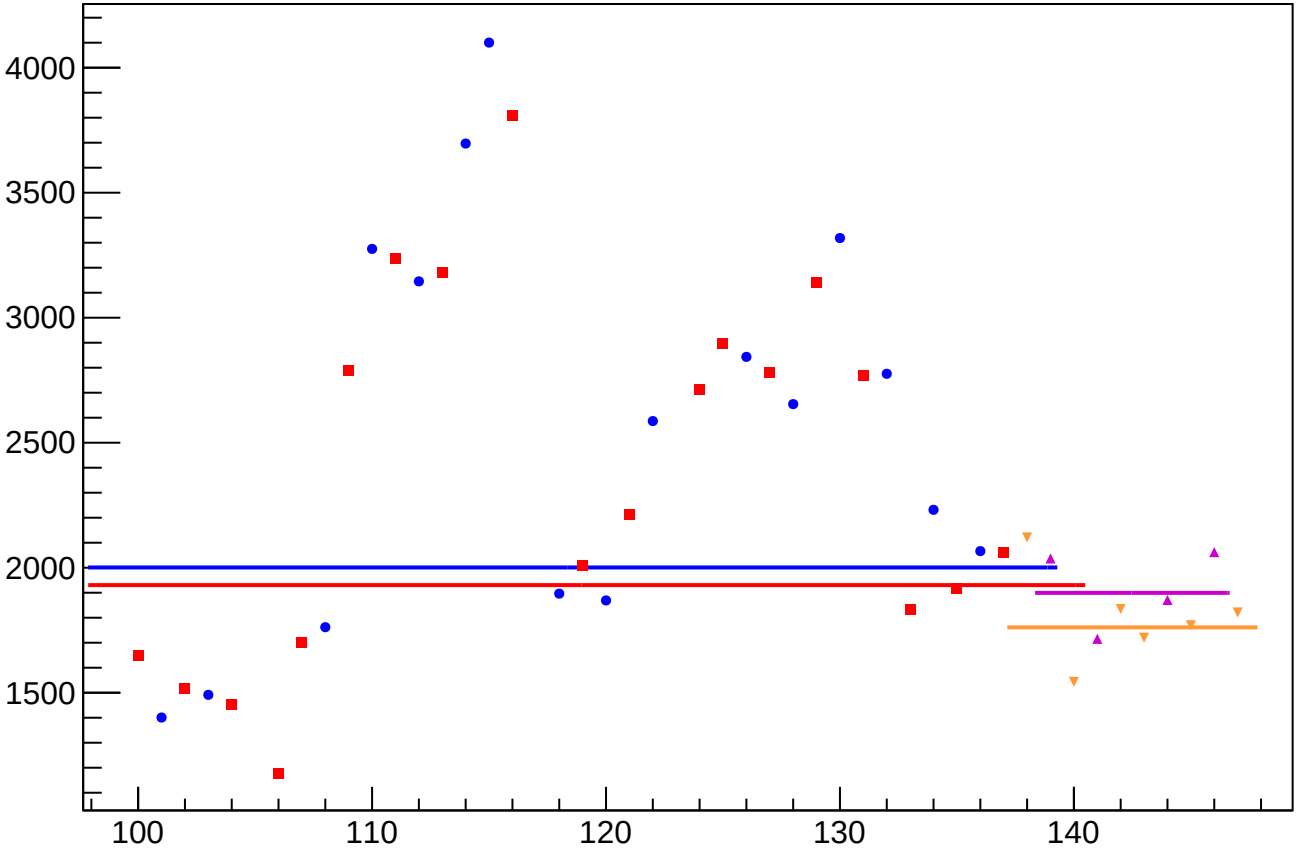
Left In: 2.225+/-1.020 χ^2/NDF:2.6/3

+ sign -0.159+/-0.571 χ^2/NDF: 20.2/21

All: 0.762+/-0.414 χ^2/NDF: 44.8/44

- sign 1.785+/-0.601 χ^2/NDF: 19.2/22

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1761.487+/-0.594 χ^2/NDF:80883.8/5

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

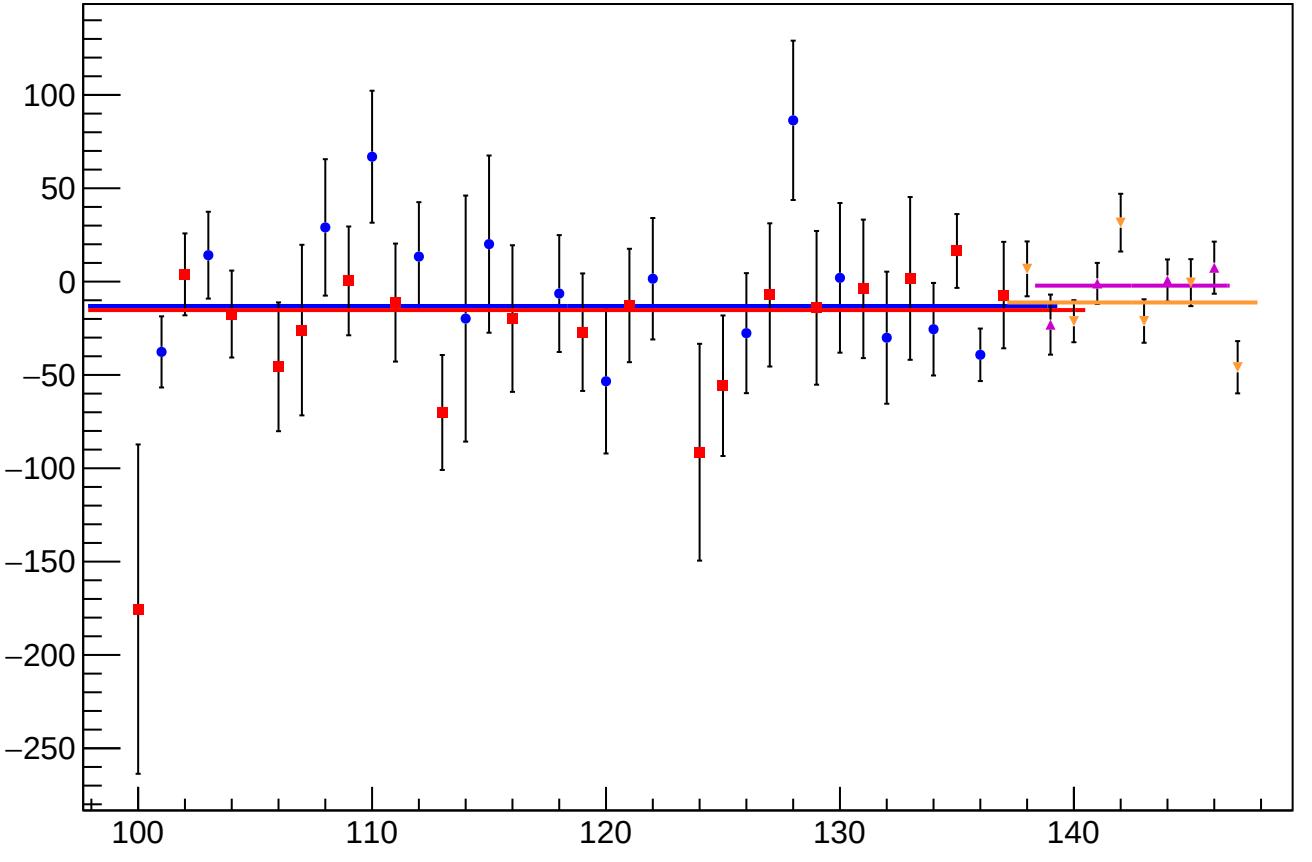
Left In: 1899.416+/-0.721 χ^2/NDF:39291.3/3

+ sign 1890.282+/-0.404 χ^2/NDF: 1358235.8/21

All: 1904.200+/-0.293 χ^2/NDF: 2804796.3/44

- sign 1919.656+/-0.425 χ^2/NDF: 1444050.1/22

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -11.185+/-5.307 χ^2/NDF:17.5/5

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

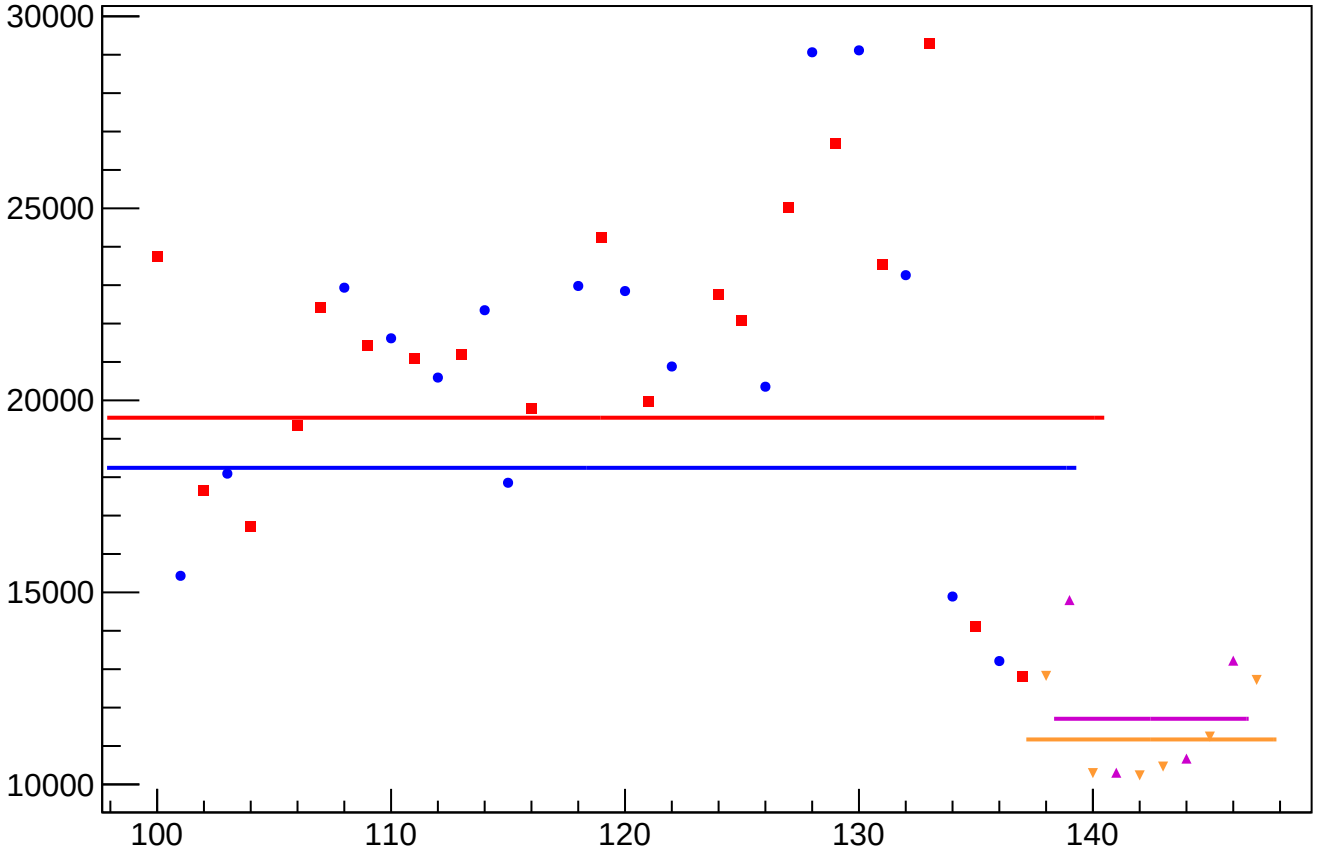
Left In: -2.163+/-6.313 χ^2/NDF:2.2/3

+ sign -11.868+/-4.235 χ^2/NDF: 39.4/21

All: -10.056+/-3.170 χ^2/NDF: 58.3/44

- sign -7.746+/-4.781 χ^2/NDF: 18.4/22

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11170.623+/-3.753 χ^2/NDF:76752.8/5

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

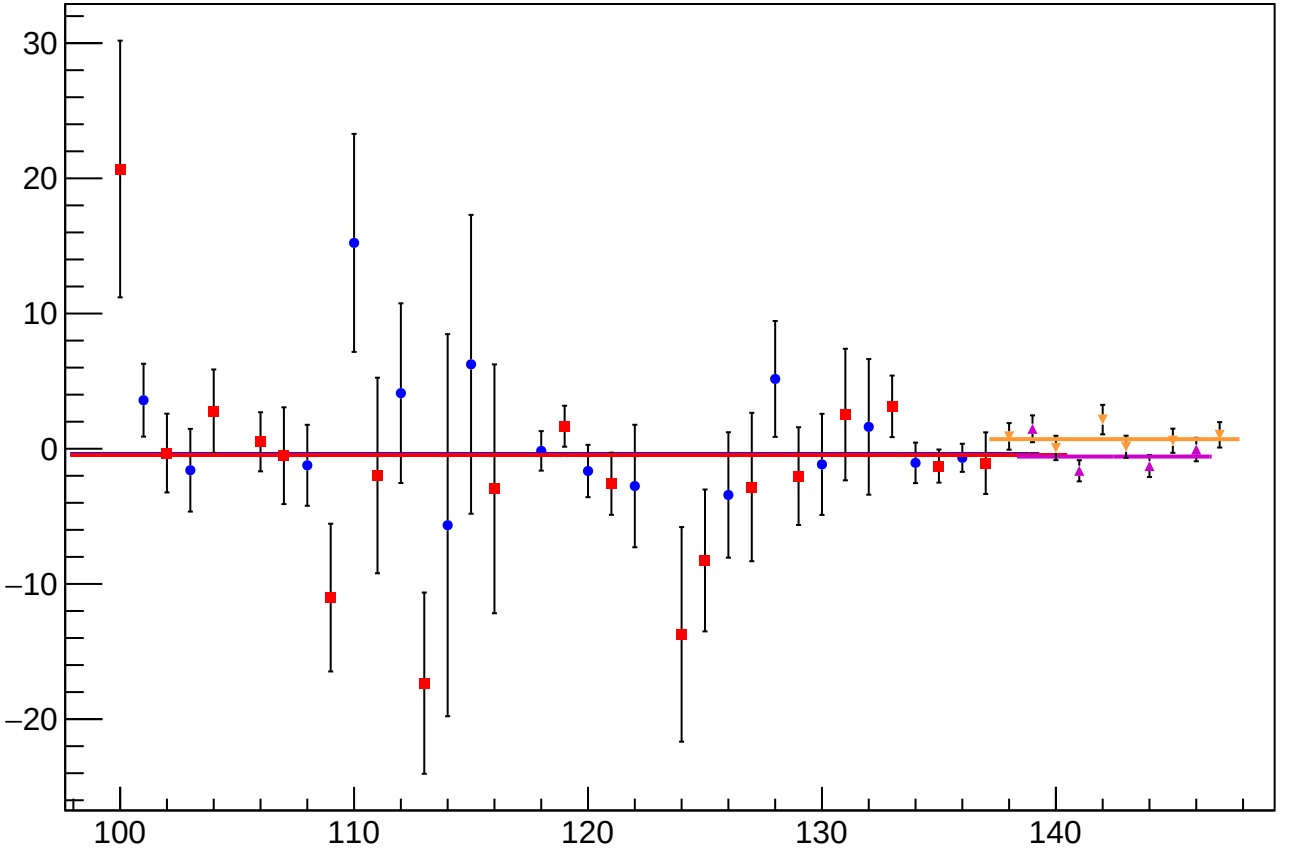
Left In: 11708.908+/-4.464 χ^2/NDF:146723.9/3

+ sign 13739.688+/-2.994 χ^2/NDF: 2186961.5/21

All: 14316.797+/-2.242 χ^2/NDF: 4355267.2/4

- sign 15052.345+/-3.381 χ^2/NDF: 2083819.4/22

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.709+/-0.378 χ^2/NDF:2.9/5

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

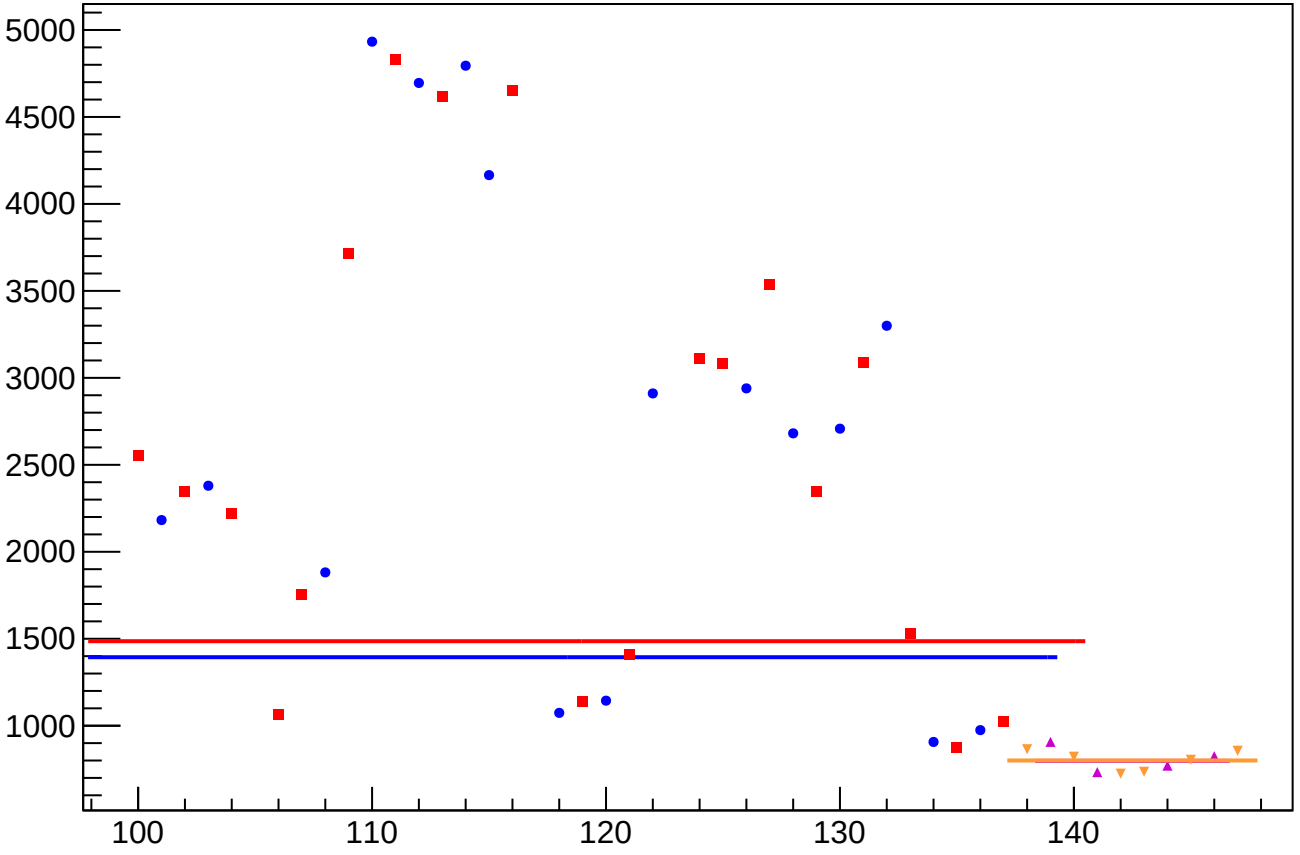
Left In: -0.579+/-0.427 χ^2/NDF:7.2/3

+ sign 0.395+/-0.320 χ^2/NDF: 15.8/21

All: -0.027+/-0.237 χ^2/NDF: 54.9/44

- sign -0.543+/-0.354 χ^2/NDF: 35.3/22

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 800.234+/-0.268 χ^2/NDF:39037.6/5

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

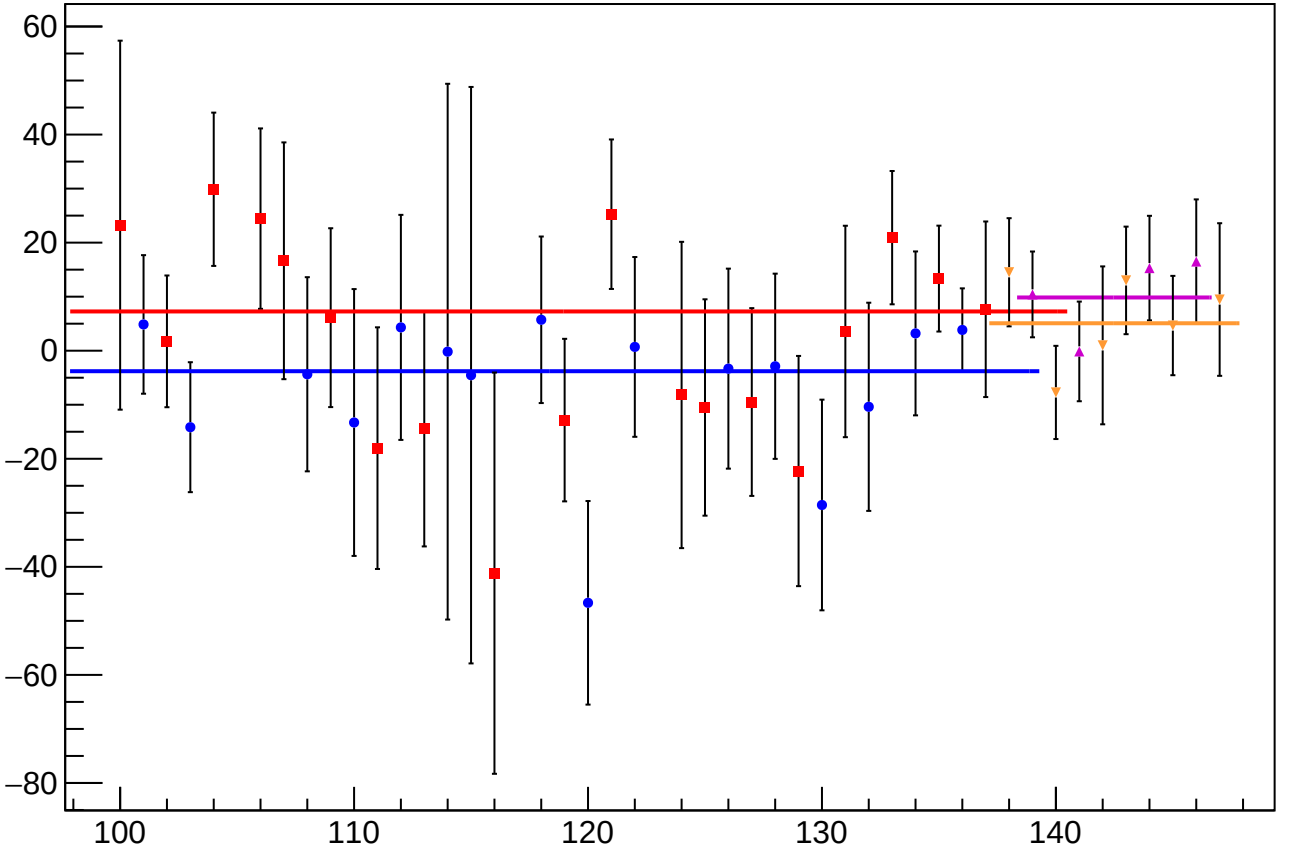
Left In: 797.919+/-0.302 χ^2/NDF:42225.8/3

+ sign 969.171+/-0.226 χ^2/NDF: 4820310.0/21

All: 988.669+/-0.168 χ^2/NDF: 9899396.4/44

- sign 1012.511+/-0.250 χ^2/NDF: 5062595.5/22

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.078+/-4.262 χ^2/NDF:3.9/5

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

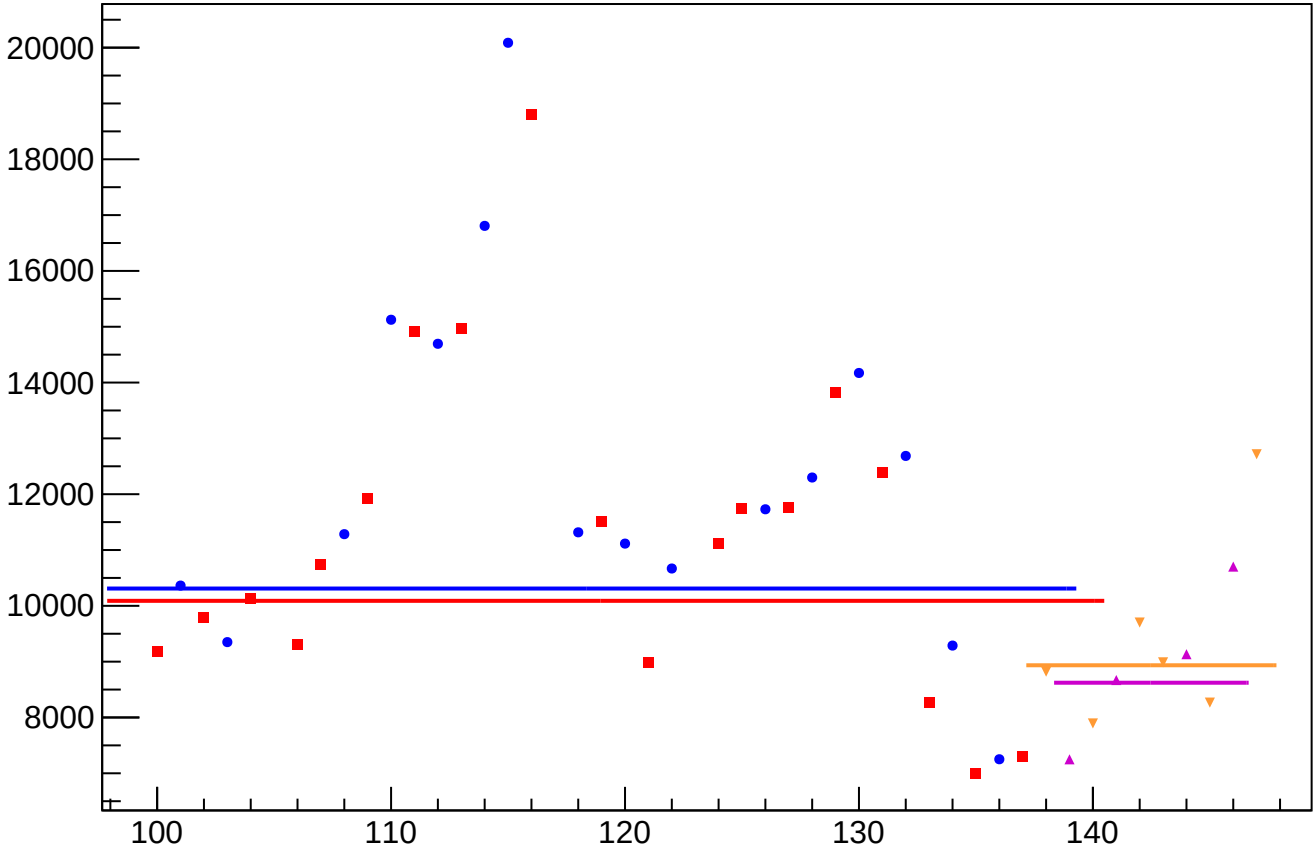
Left In: 9.851+/-4.669 χ^2/NDF:1.8/3

+ sign 0.298+/-2.894 χ^2/NDF: 16.3/21

All: 4.221+/-2.066 χ^2/NDF: 39.3/44

- sign 8.297+/-2.950 χ^2/NDF: 19.3/22

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8935.162+/-3.014 χ^2/NDF:188889.2/5

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

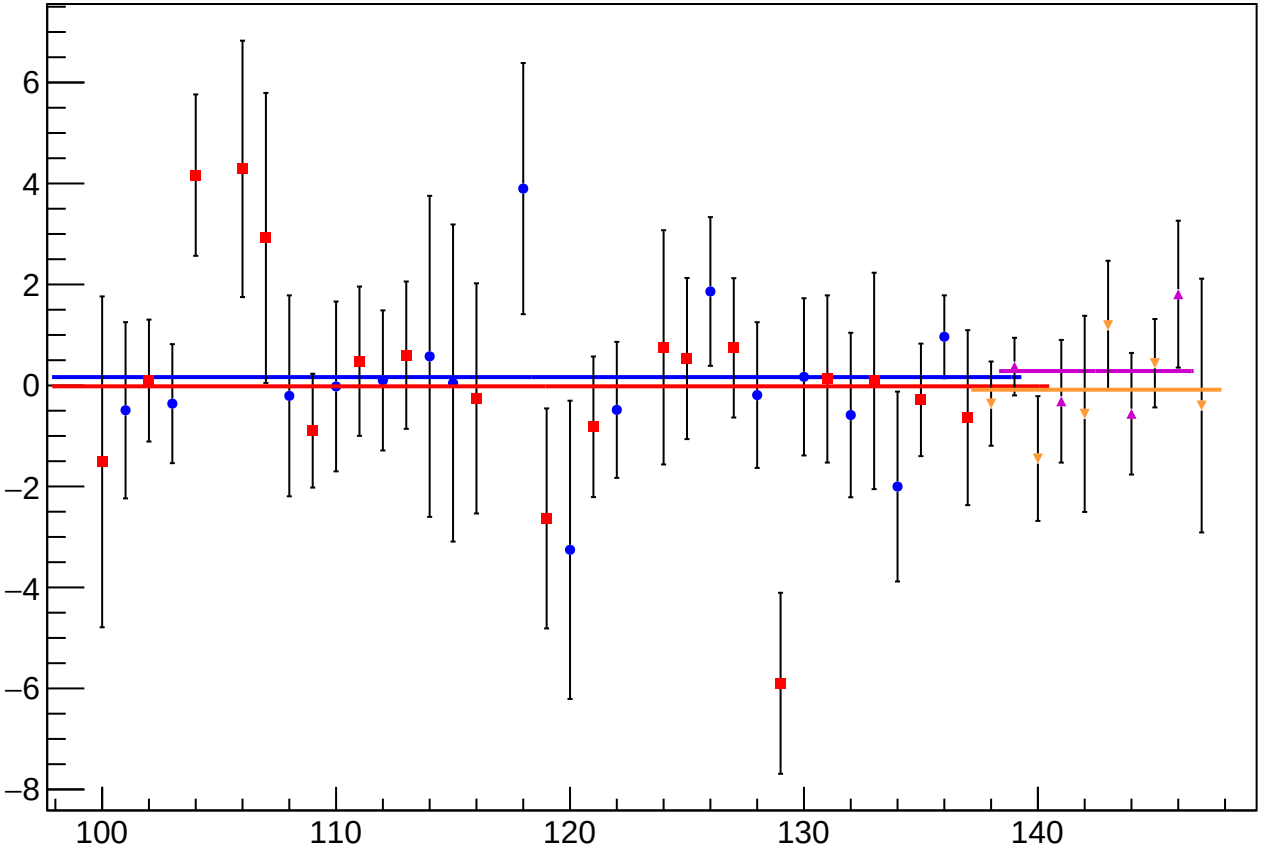
Left In: 8622.527+/-3.302 χ^2/NDF:130849.9/3

+ sign 9675.920+/-2.047 χ^2/NDF: 1071537.0/21

All: 9591.484+/-1.461 χ^2/NDF: 2117251.0/44

- sign 9503.742+/-2.086 χ^2/NDF: 1042243.2/22

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.084+/-0.475 χ^2/NDF:2.8/5

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

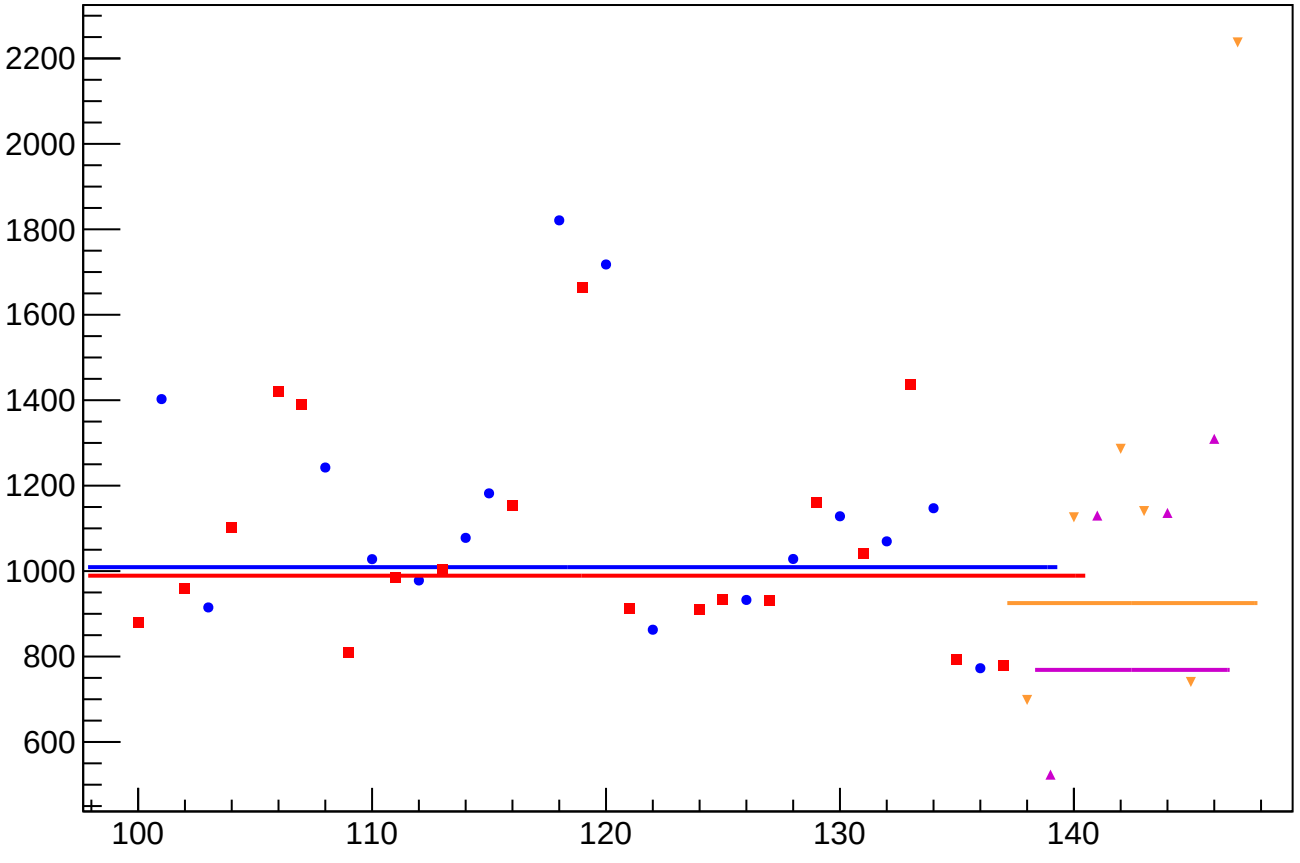
Left In: 0.286+/-0.451 χ^2/NDF:1.9/3

+ sign 0.066+/-0.300 χ^2/NDF: 11.0/21

All: 0.087+/-0.207 χ^2/NDF: 38.3/44

- sign 0.106+/-0.287 χ^2/NDF: 27.3/22

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 925.118+/-0.336 χ^2/NDF:960810.9/5

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

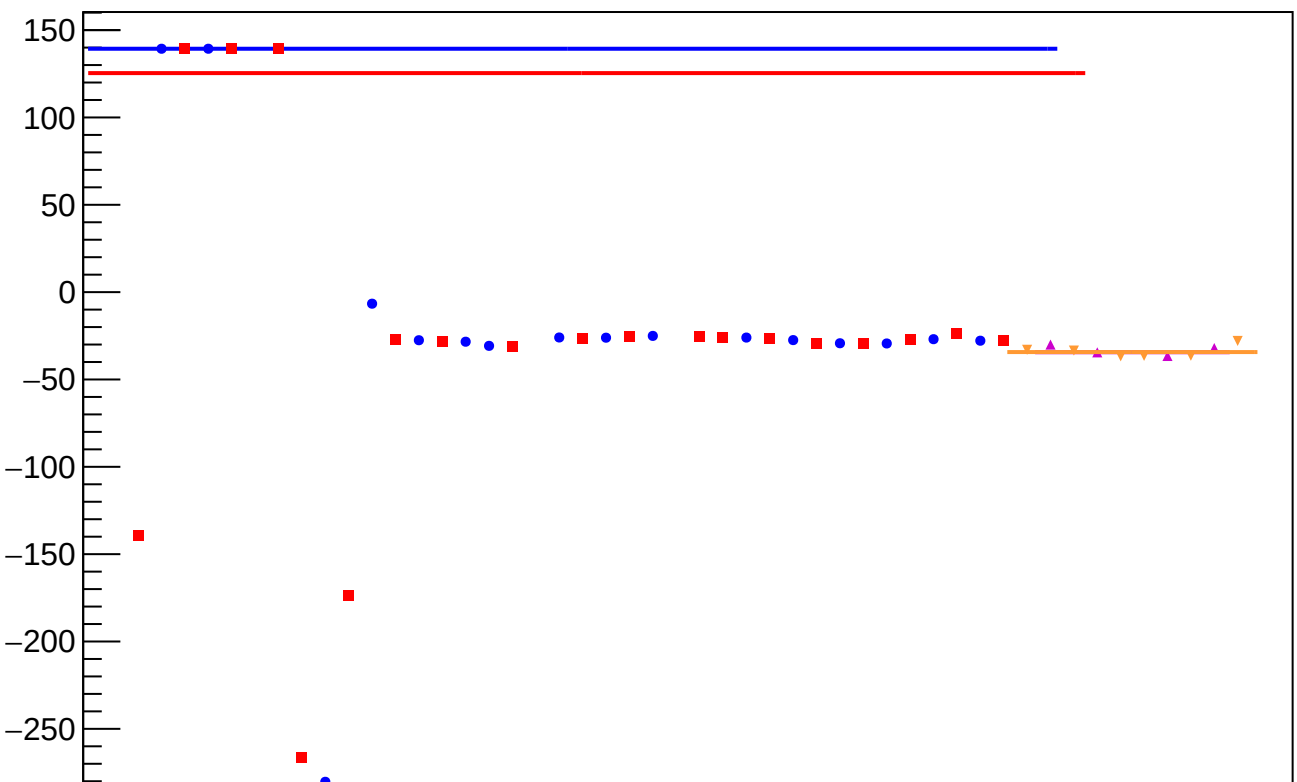
Left In: 768.762+/-0.319 χ^2/NDF:1009236.9/3

\+ sign 975.739+/-0.212 χ^2/NDF: 1697853.8/21

All: 936.206+/-0.147 χ^2/NDF: 3633846.1/44

\- sign 899.929+/-0.203 χ^2/NDF: 1869261.3/22

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -34.307+/-0.001 χ^2/NDF:24689582.9/5

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

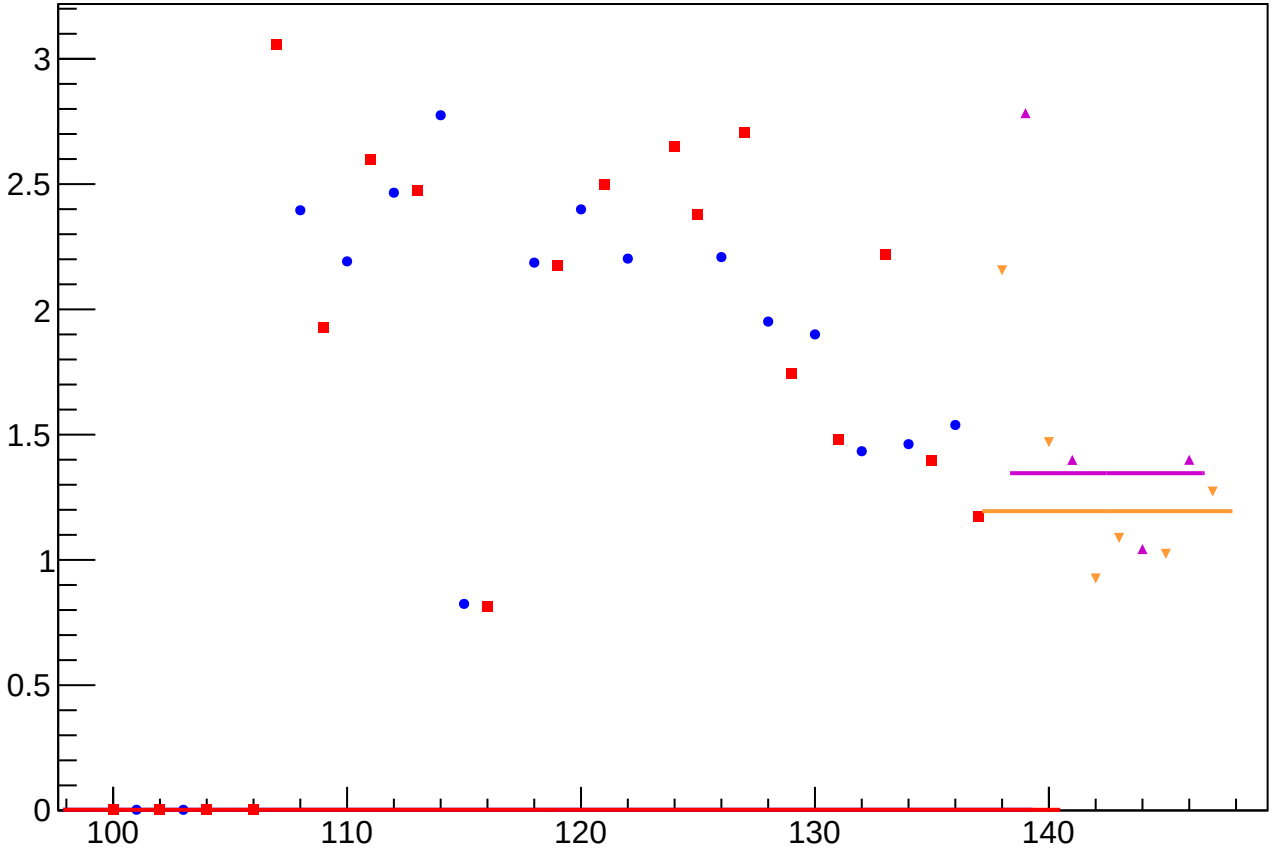
Left In: -34.401+/-0.001 χ^2/NDF:6991130.4/3

+ sign 139.335+/-0.000 χ^2/NDF: 114433331808.3/2

All: 131.817+/-0.000 χ^2/NDF: 79310524756

- sign 125.391+/-0.000 χ^2/NDF: 774208799139558

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.195+/-0.000 χ^2/NDF:399290.1/5

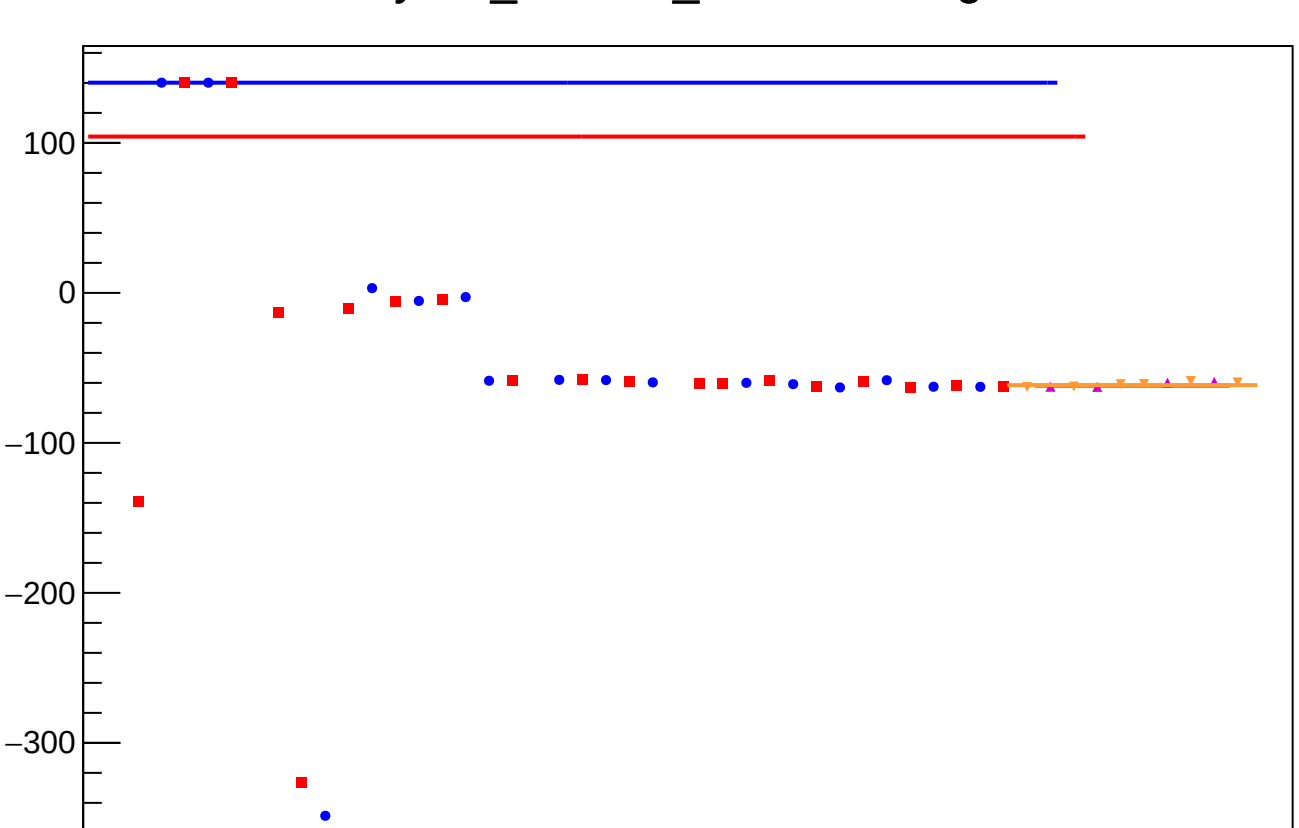
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.346+/-0.001 χ^2/NDF:554806.7/3

+ sign 0.003+/-0.000 χ^2/NDF: 16308669.3/21

All: 0.003+/-0.000 χ^2/NDF: 31641426.6/44

- sign 0.003+/-0.000 χ^2/NDF: 15332496.9/22



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -61.512+/-0.000 χ^2/NDF:14573154.9/5

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

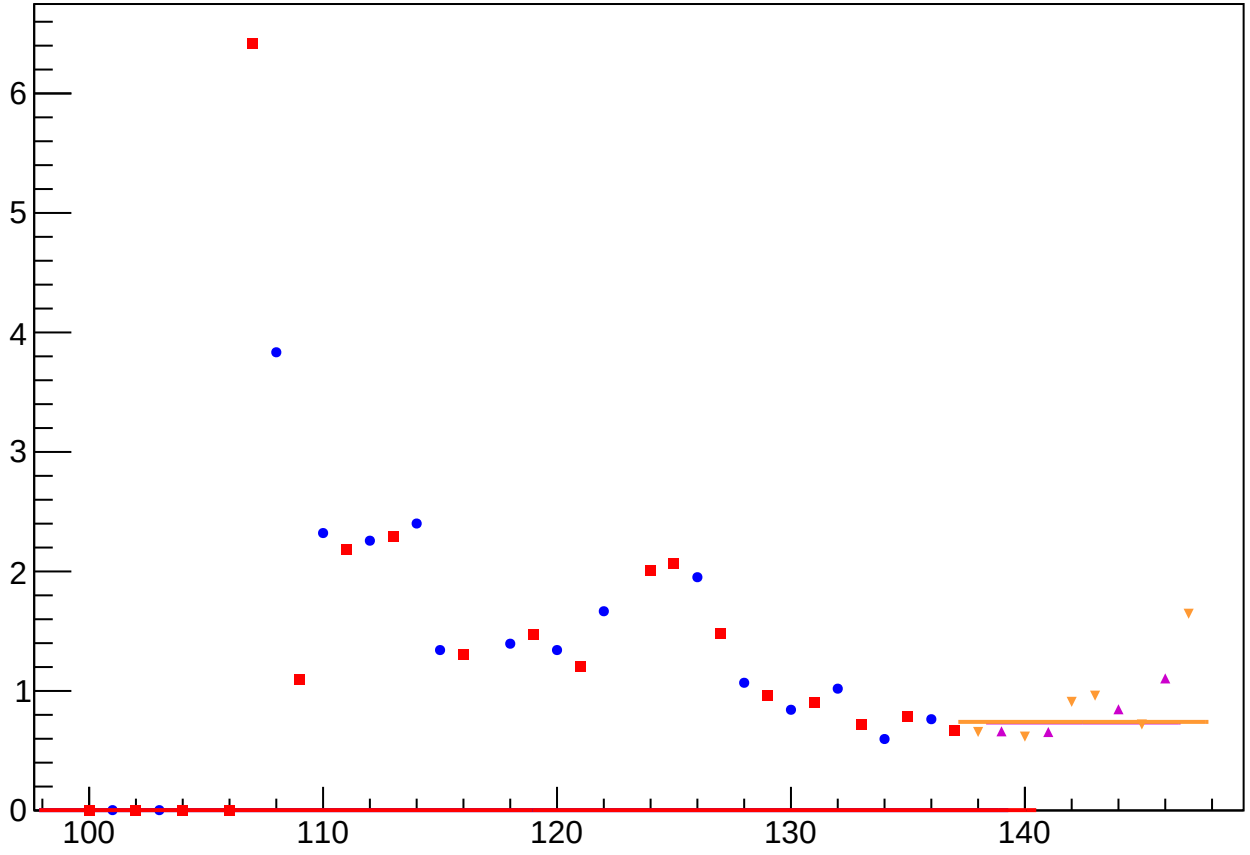
Left In: -61.815+/-0.000 χ^2/NDF:9115745.4/3

+ sign 140.136+/-0.000 χ^2/NDF: 438953956109.3/2

All: 120.826+/-0.000 χ^2/NDF: 13812750007

- sign 104.220+/-0.000 χ^2/NDF: 125754540142611

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.741+/-0.000 χ^2/NDF:601454.8/5

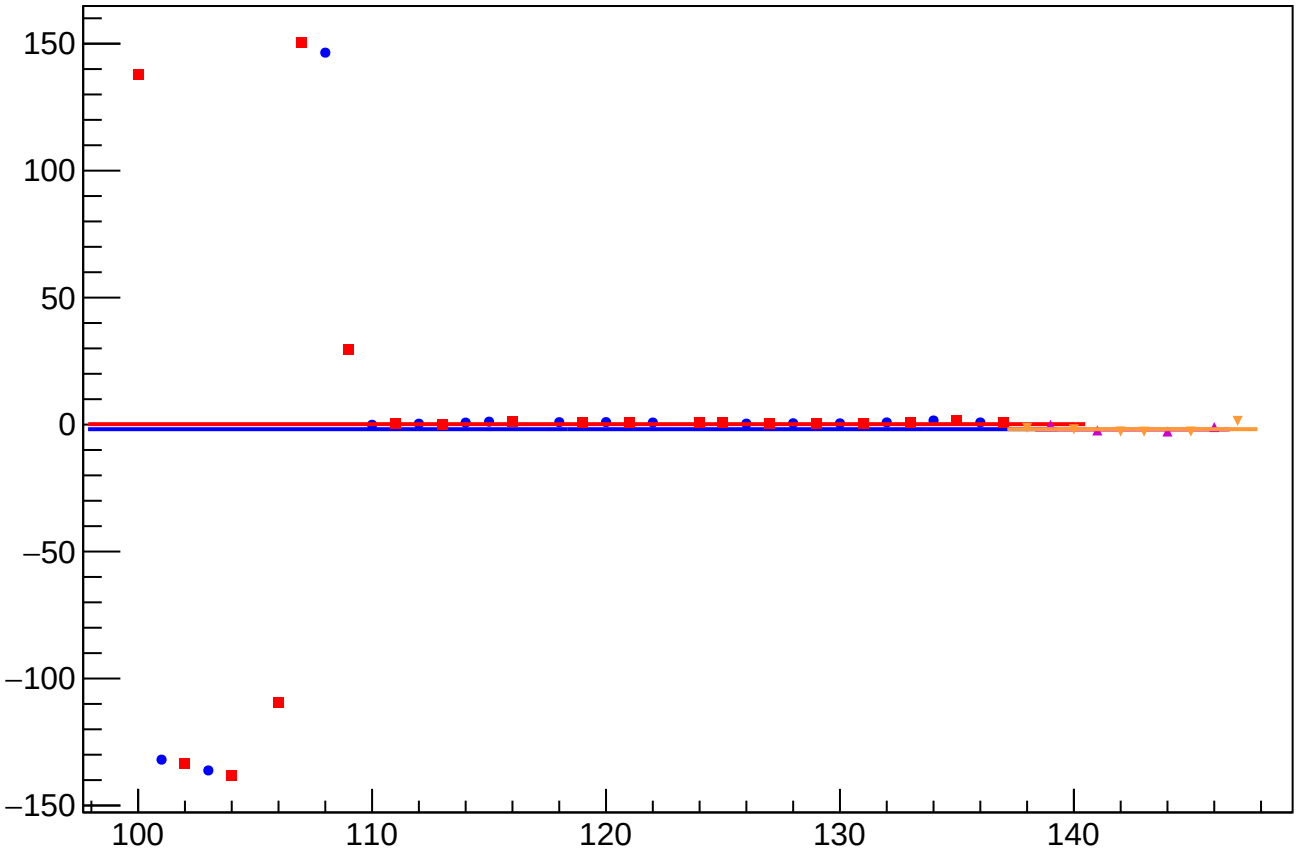
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.736+/-0.000 χ^2/NDF:218109.0/3

+ sign 0.003+/-0.000 χ^2/NDF: 17925027.0/21

All: 0.003+/-0.000 χ^2/NDF: 34016557.9/44

- sign 0.003+/-0.000 χ^2/NDF: 16091223.6/22



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.807+/-0.000 χ^2/NDF:28805450.7/5

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

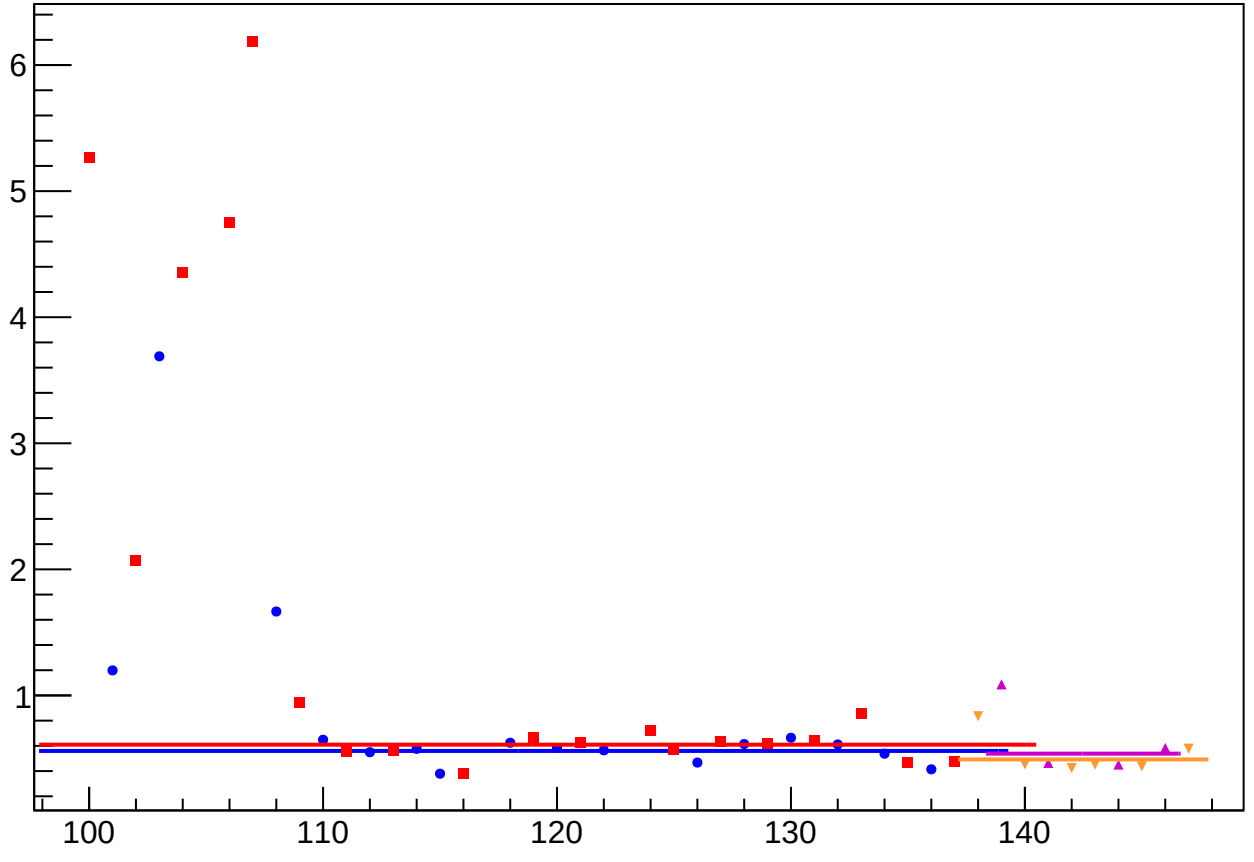
Left In: -1.954+/-0.000 χ^2/NDF:6737024.2/3

+ sign -1.813+/-0.000 χ^2/NDF: 9915983655.7/21

All: -1.324+/-0.000 χ^2/NDF: 13574171451.4/

- sign -0.680+/-0.000 χ^2/NDF: 3641933604.3/22

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.492+/-0.000 χ^2/NDF:306116.6/5

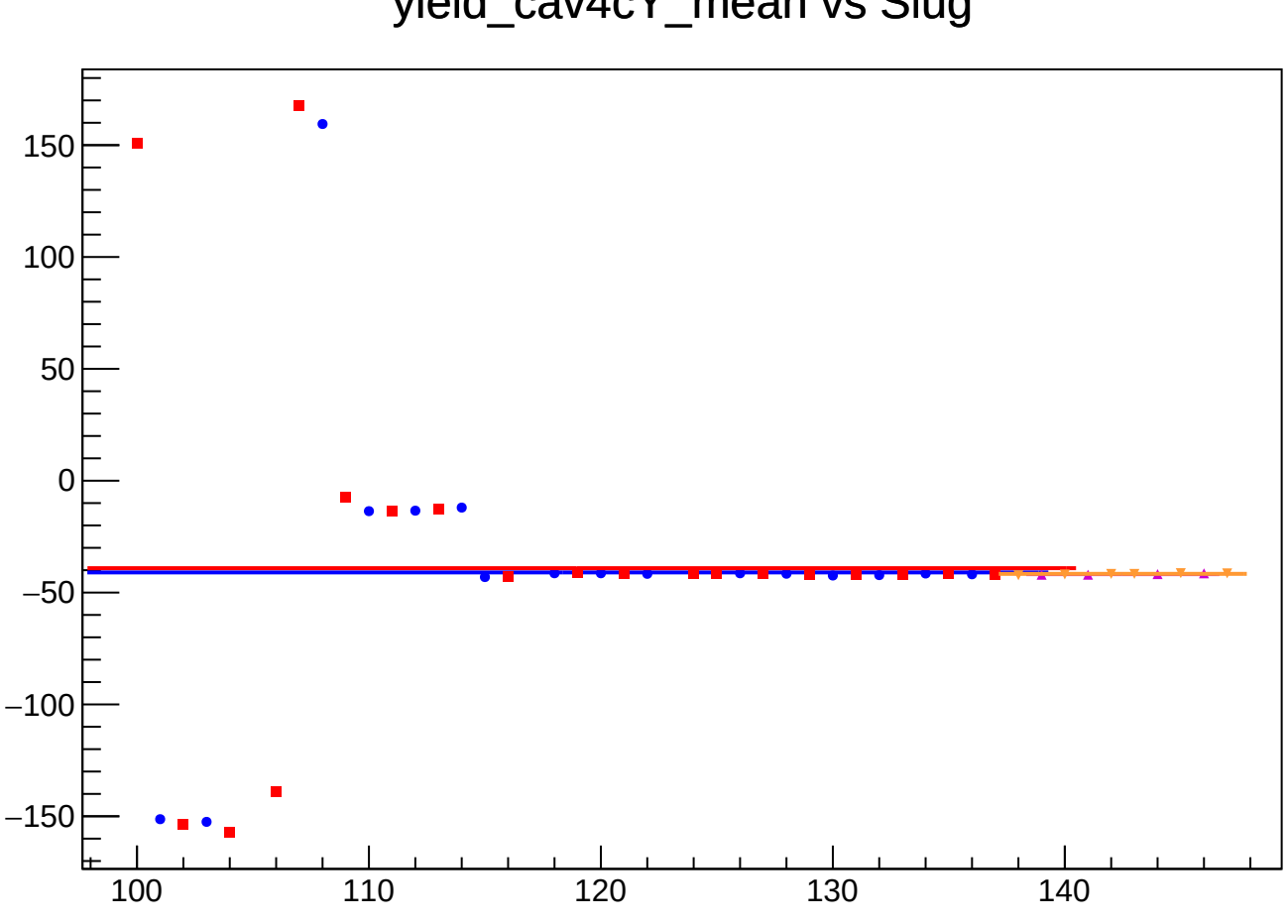
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.538+/-0.000 χ^2/NDF:516755.7/3

+ sign 0.529+/-0.000 χ^2/NDF: 1970778.4/21

All: 0.552+/-0.000 χ^2/NDF: 5084868.6/44

- sign 0.581+/-0.000 χ^2/NDF: 3046606.9/22



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.633+/-0.000 χ^2/NDF:2379534.9/5

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

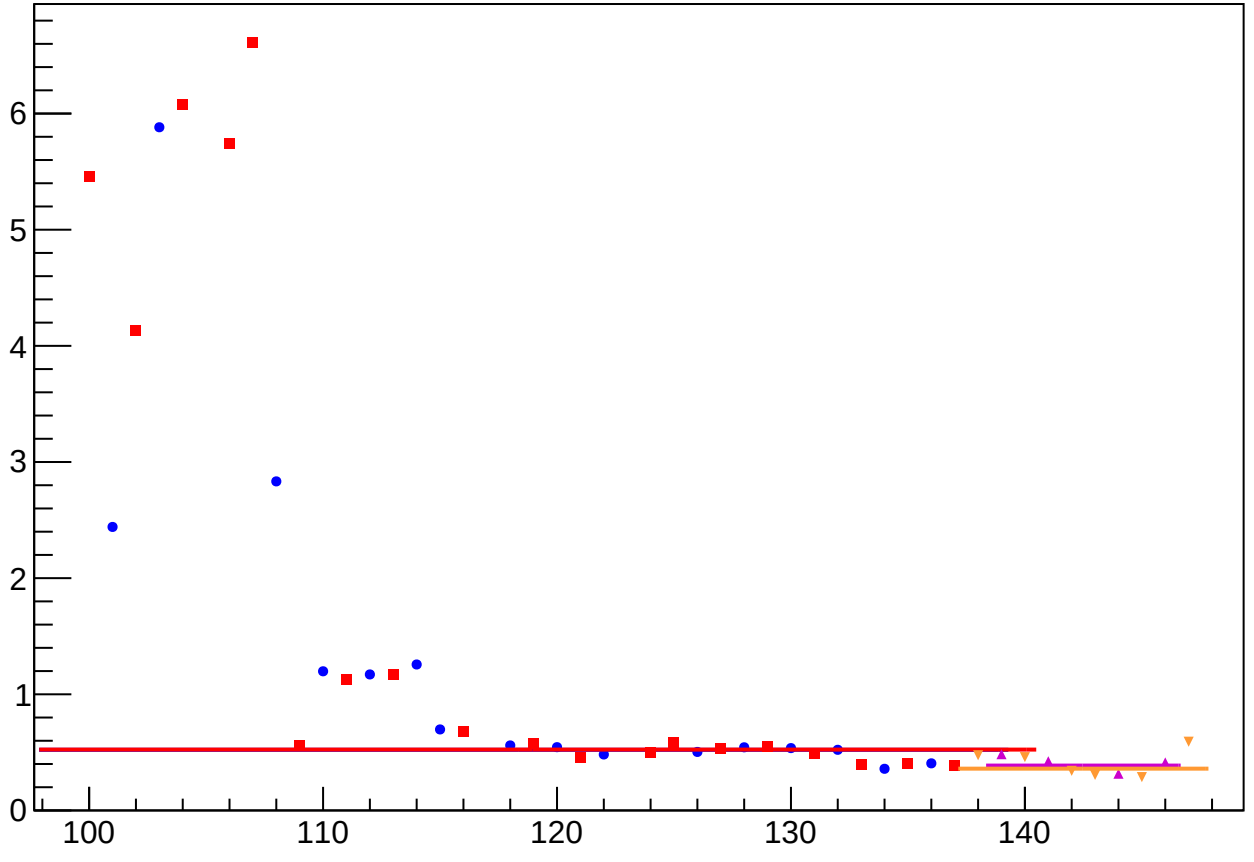
Left In: -41.757+/-0.000 χ^2/NDF:1143404.4/3

\+ sign -41.388+/-0.000 χ^2/NDF: 3456777633.4/21

All: -41.007+/-0.000 χ^2/NDF: 6021874365.1/

\- sign -40.529+/-0.000 χ^2/NDF: 2549174641.2/22

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.360+/-0.000 χ^2/NDF:546402.1/5

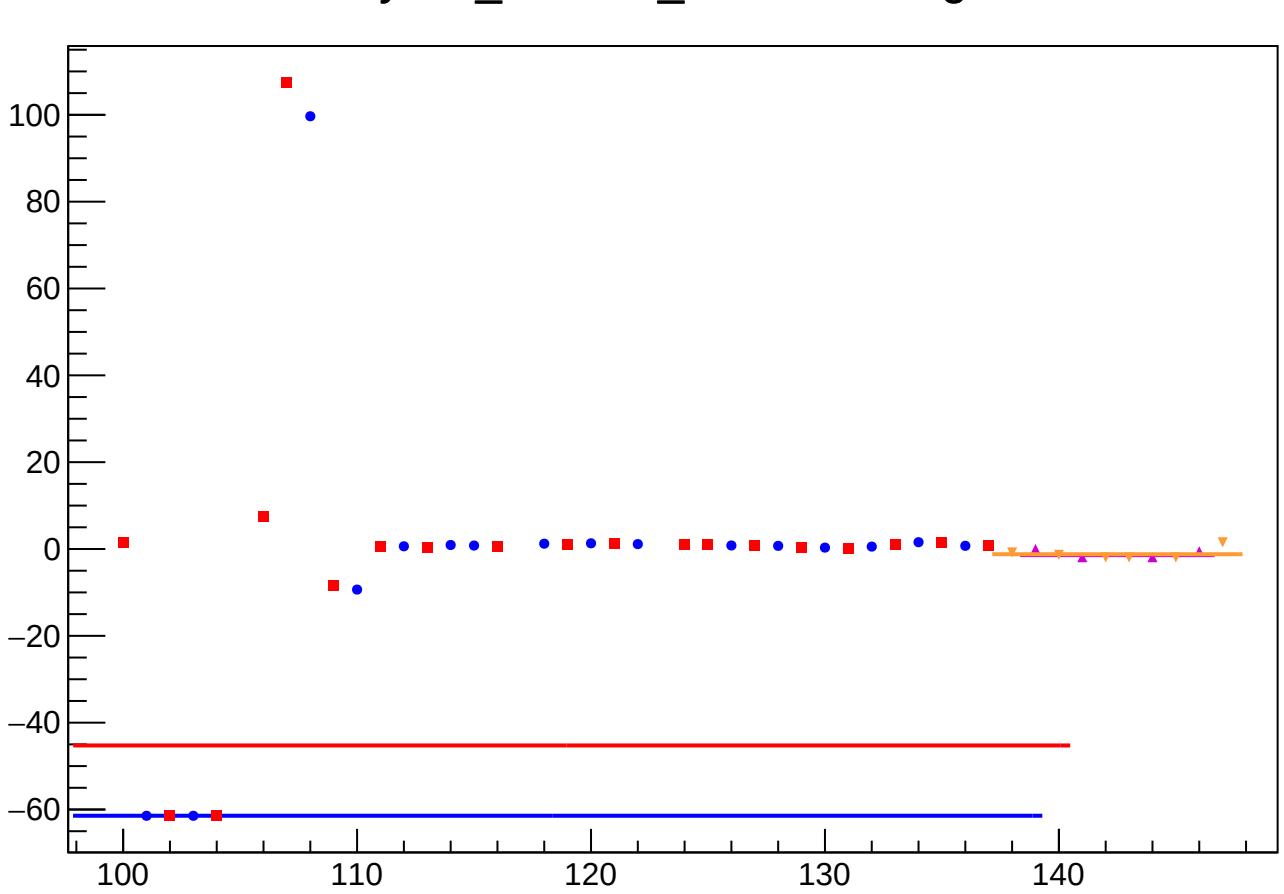
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.386+/-0.000 χ^2/NDF:164190.8/3

+ sign 0.421+/-0.000 χ^2/NDF: 4098192.7/21

All: 0.434+/-0.000 χ^2/NDF: 7927018.5/44

- sign 0.450+/-0.000 χ^2/NDF: 3793417.7/22



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.203+/-0.000 χ^2/NDF:28255186.6/5

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

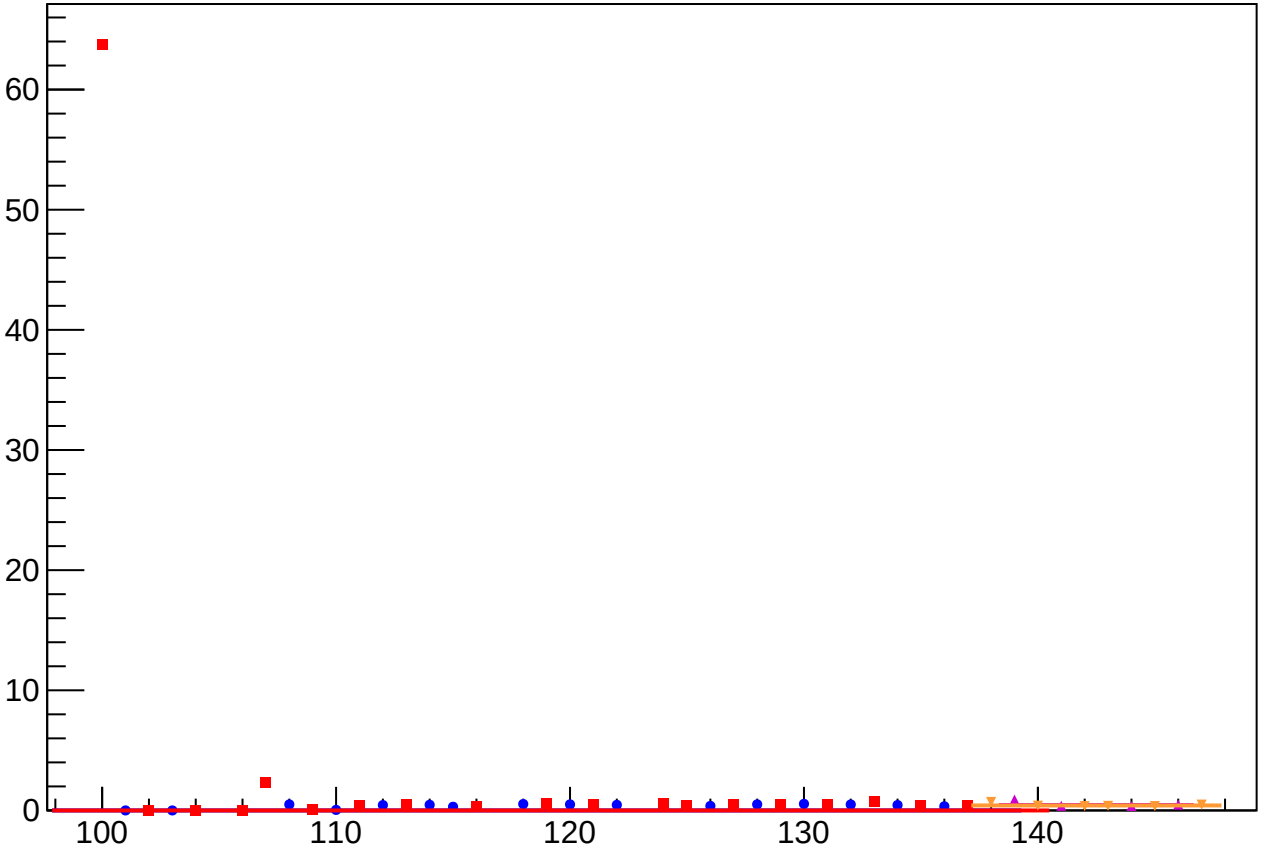
Left In: -1.411+/-0.000 χ^2/NDF:6281942.6/3

+ sign -61.433+/-0.000 χ^2/NDF: 340763682942.3/2

All: -52.747+/-0.000 χ^2/NDF: 409204464722

- sign -45.244+/-0.000 χ^2/NDF: 357894588404824.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.418+/-0.000 χ^2/NDF:307546.5/5

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

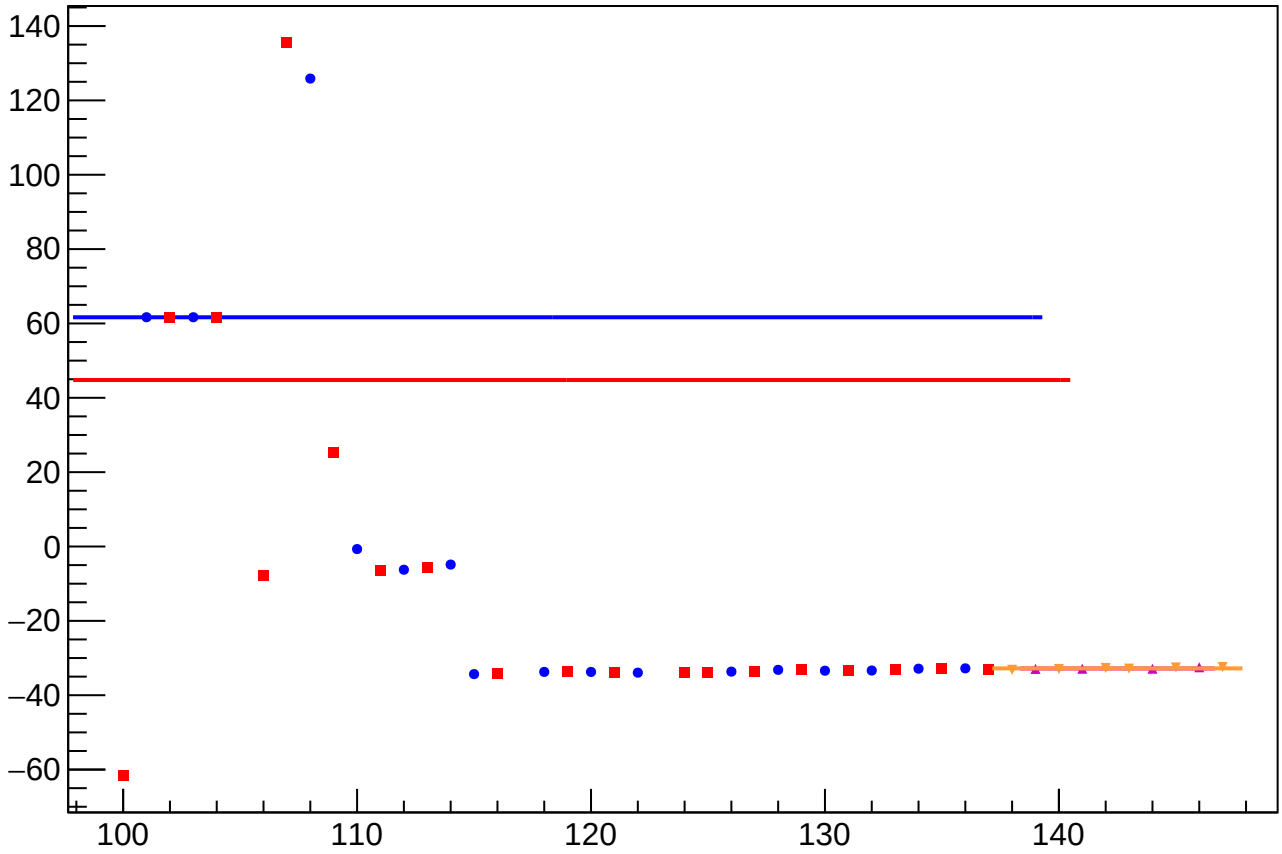
Left In: 0.452+/-0.000 χ^2/NDF:510714.6/3

+ sign 0.001+/-0.000 χ^2/NDF: 15888252.9/21

All: 0.001+/-0.000 χ^2/NDF: 30868836.9/44

- sign 0.001+/-0.000 χ^2/NDF: 14980544.2/22

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.785+/-0.000 χ^2/NDF:2427377.3/5

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

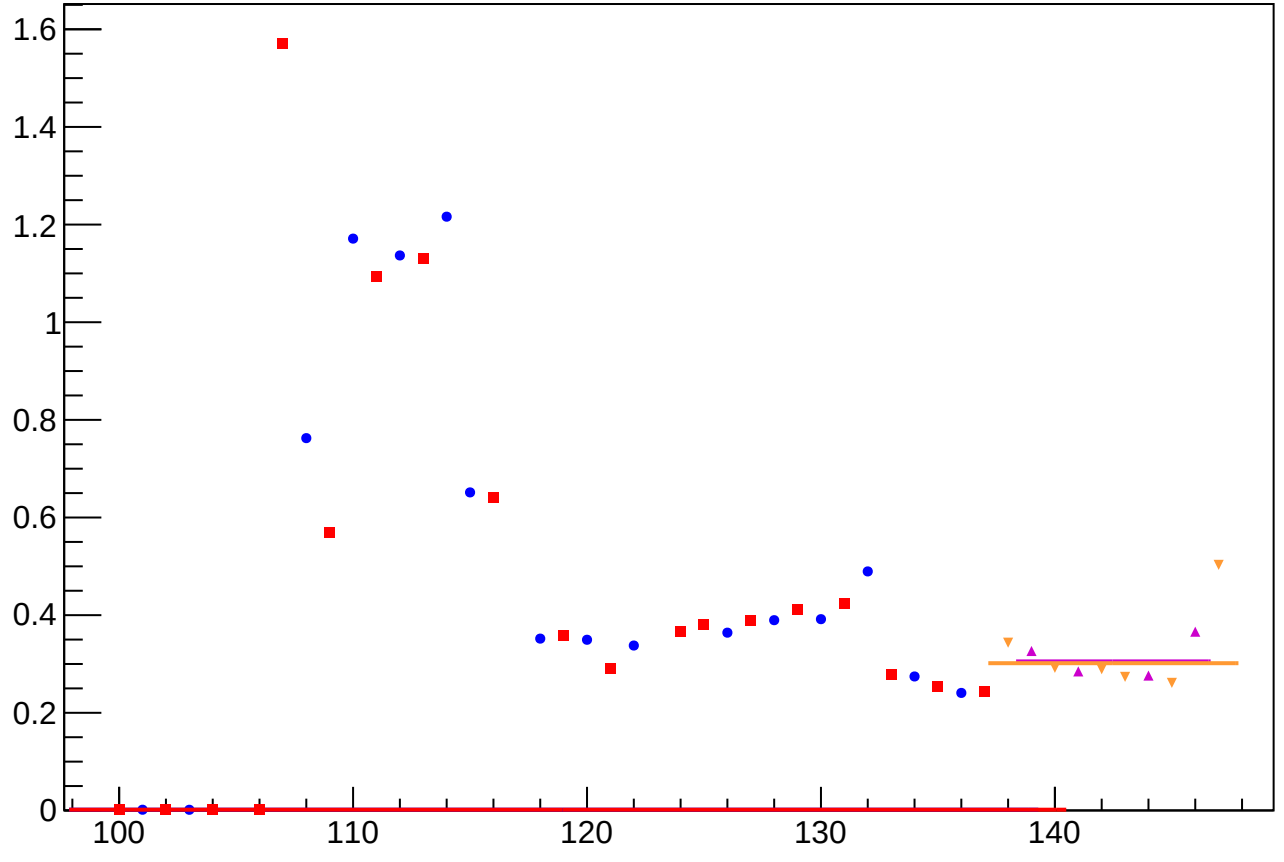
Left In: -32.811+/-0.000 χ^2/NDF:849371.1/3

+ sign 61.649+/-0.000 χ^2/NDF: 775908579425.8/21

All: 52.679+/-0.000 χ^2/NDF: 418159979418

- sign 44.778+/-0.000 χ^2/NDF: 366308121689556.8

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.302+/-0.000 χ^2/NDF:335924.0/5

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

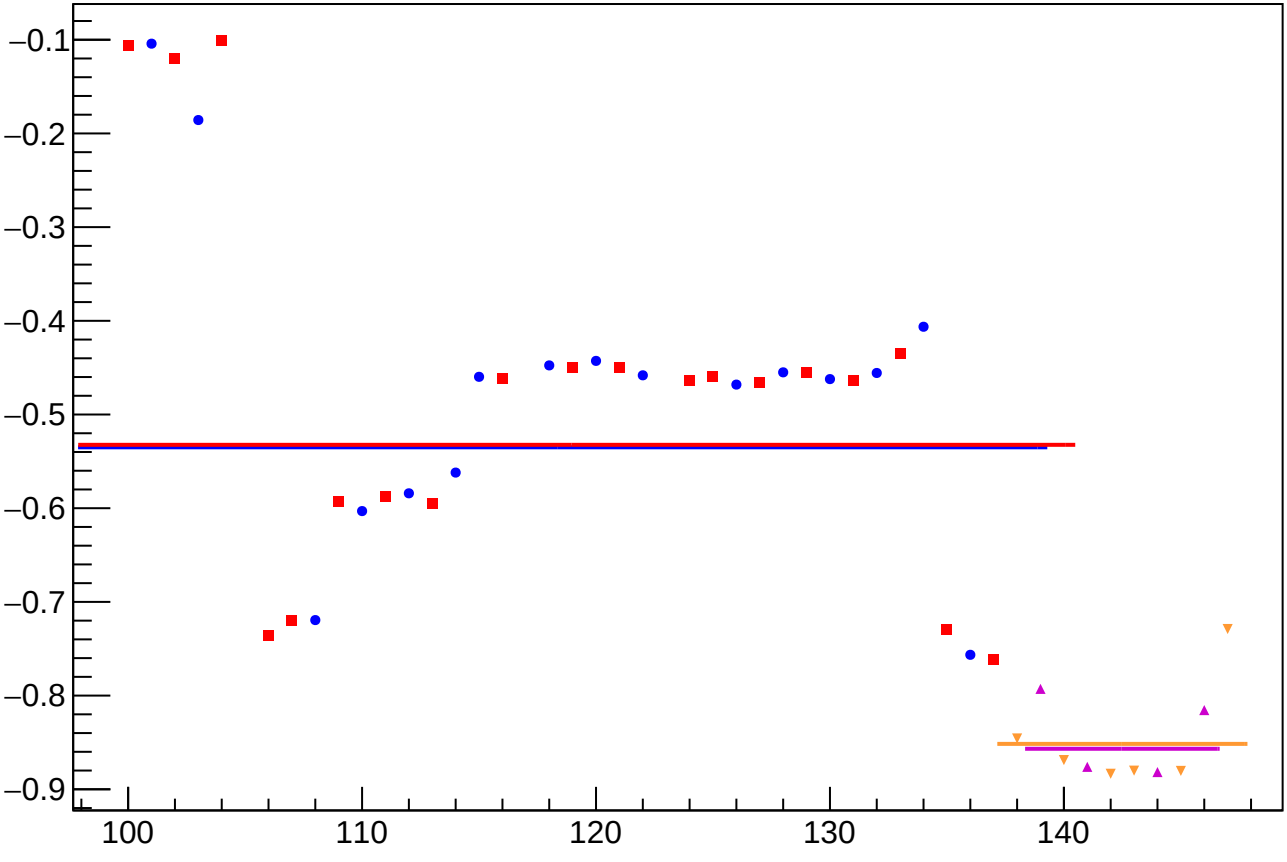
Left In: 0.305+/-0.000 χ^2/NDF:80329.4/3

+ sign 0.002+/-0.000 χ^2/NDF: 19566970.9/21

All: 0.002+/-0.000 χ^2/NDF: 36744396.9/44

- sign 0.002+/-0.000 χ^2/NDF: 17177411.1/22

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.852+/-0.000 χ^2/NDF:29168244.4/5

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

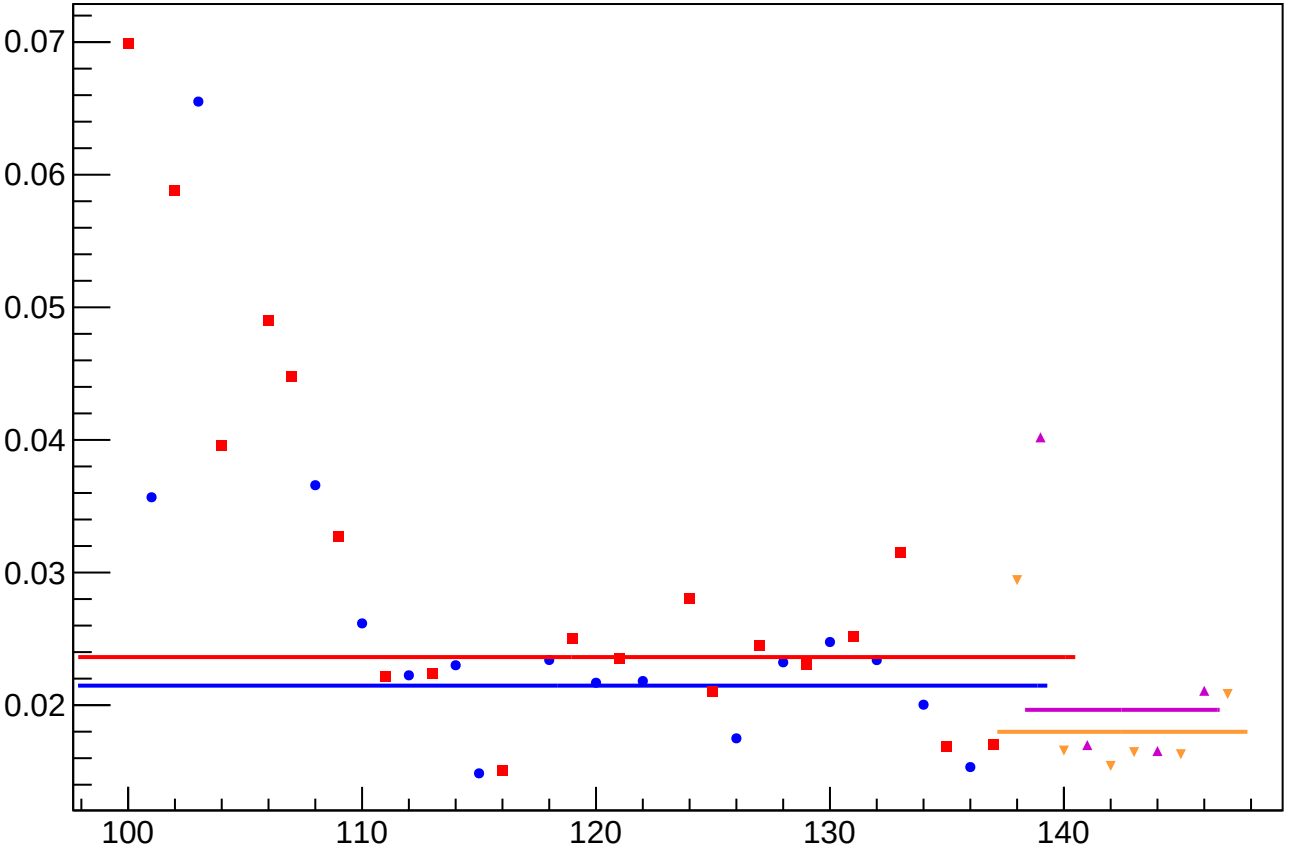
Left In: -0.857+/-0.000 χ^2/NDF:7150849.1/3

+ sign -0.681+/-0.000 χ^2/NDF: 865946681.4/21

All: -0.672+/-0.000 χ^2/NDF: 1510304774.8/4

- sign -0.662+/-0.000 χ^2/NDF: 641040334.7/22

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:268217.0/5

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

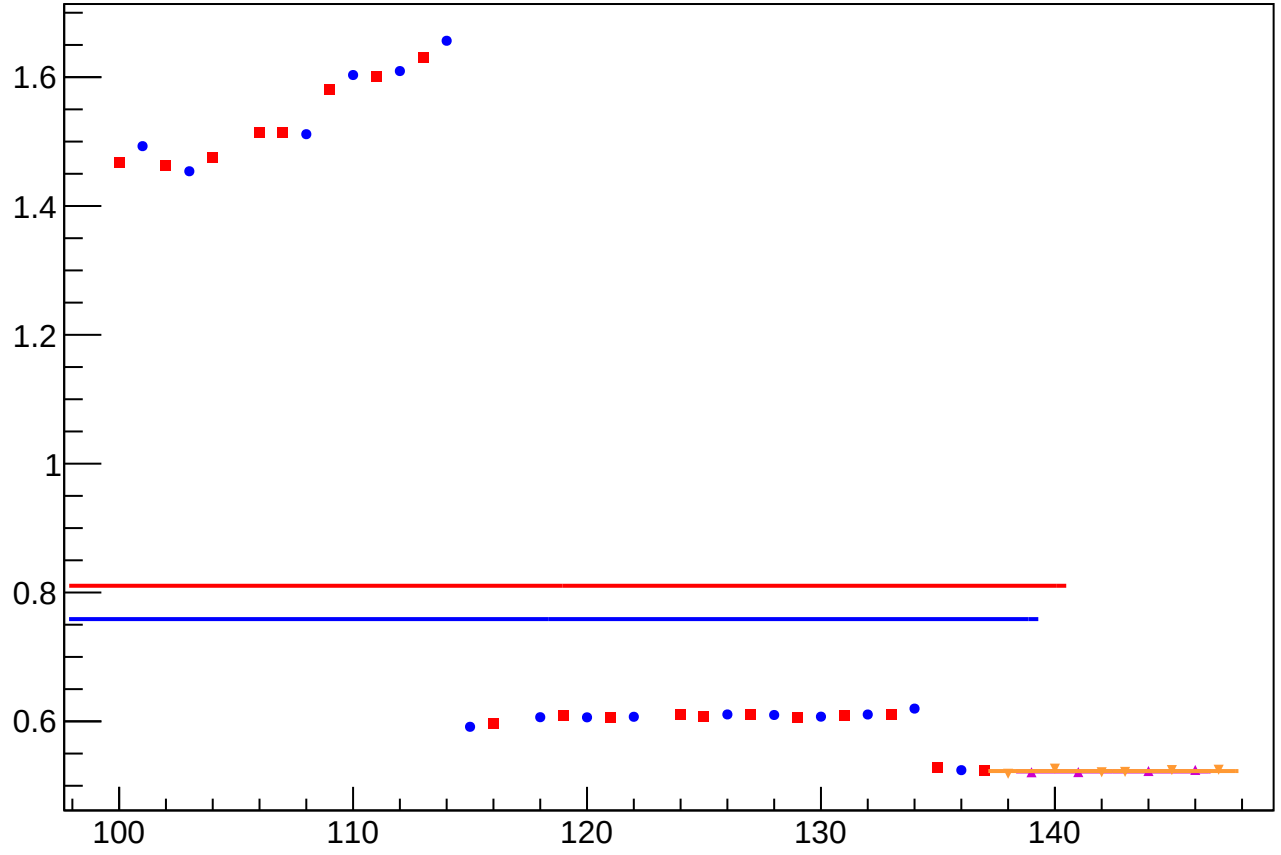
Left In: 0.020+/-0.000 χ^2/NDF:522324.7/3

+ sign 0.020+/-0.000 χ^2/NDF: 1551887.3/21

All: 0.021+/-0.000 χ^2/NDF: 3565896.4/44

- sign 0.022+/-0.000 χ^2/NDF: 1925800.7/22

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:225337.6/5

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

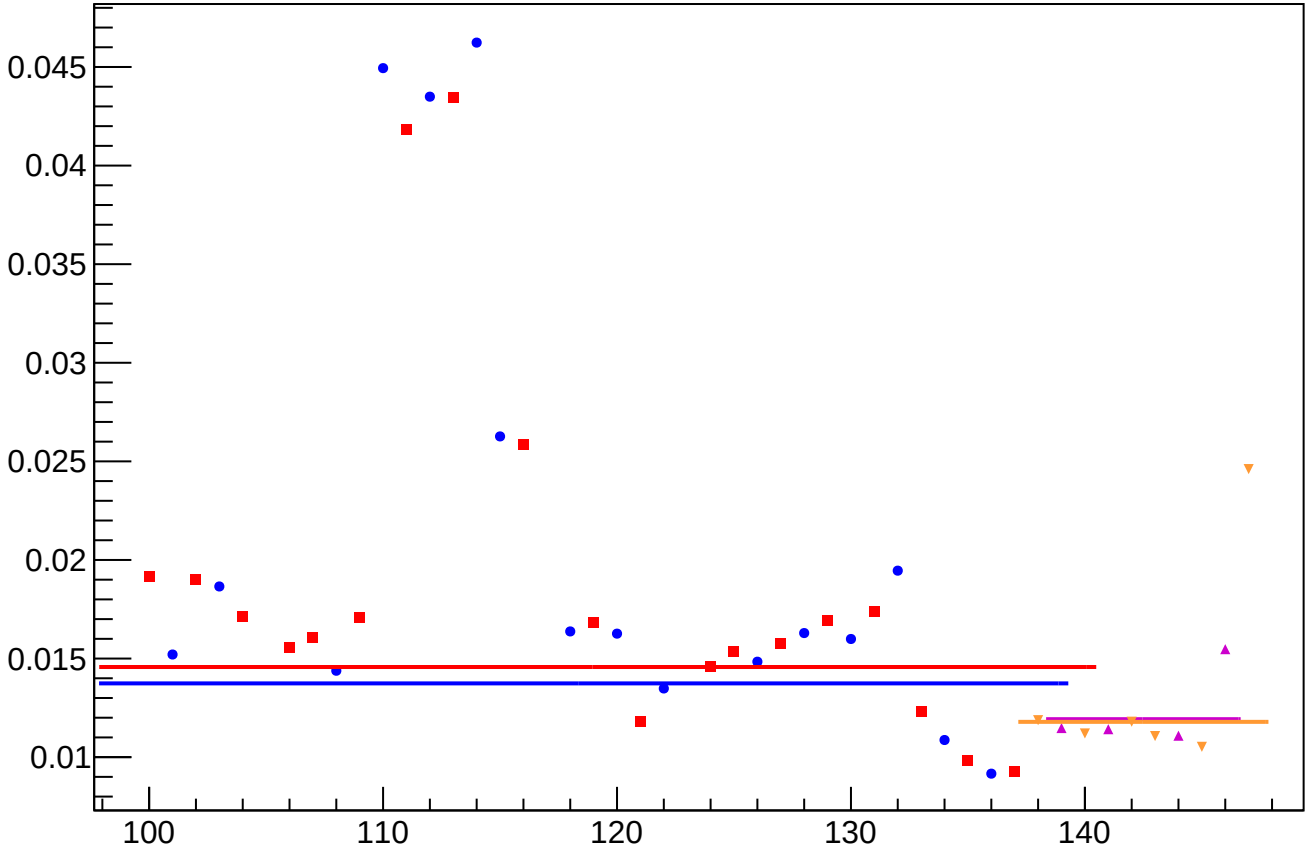
Left In: 0.522+/-0.000 χ^2/NDF:38393.1/3

+ sign 0.645+/-0.000 χ^2/NDF: 5153418809.2/21

All: 0.662+/-0.000 χ^2/NDF: 11042327070.2/4

- sign 0.683+/-0.000 χ^2/NDF: 5846511965.2/22

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:466962.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

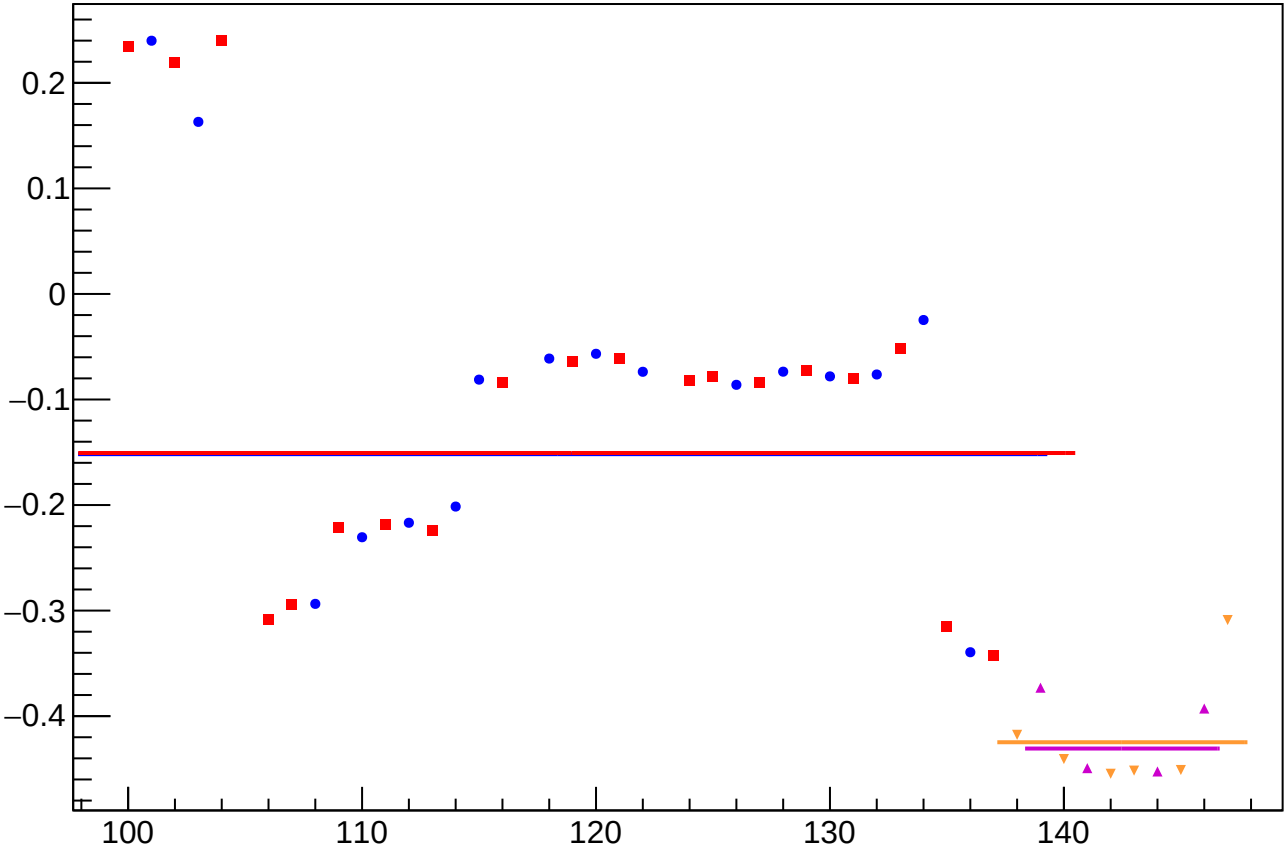
Left In: 0.012+/-0.000 χ^2/NDF:101087.5/3

+ sign 0.013+/-0.000 χ^2/NDF: 2232852.2/21

All: 0.013+/-0.000 χ^2/NDF: 3991309.0/44

- sign 0.013+/-0.000 χ^2/NDF: 1737587.4/22

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.425+/-0.000 χ^2/NDF:28662544.2/5

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

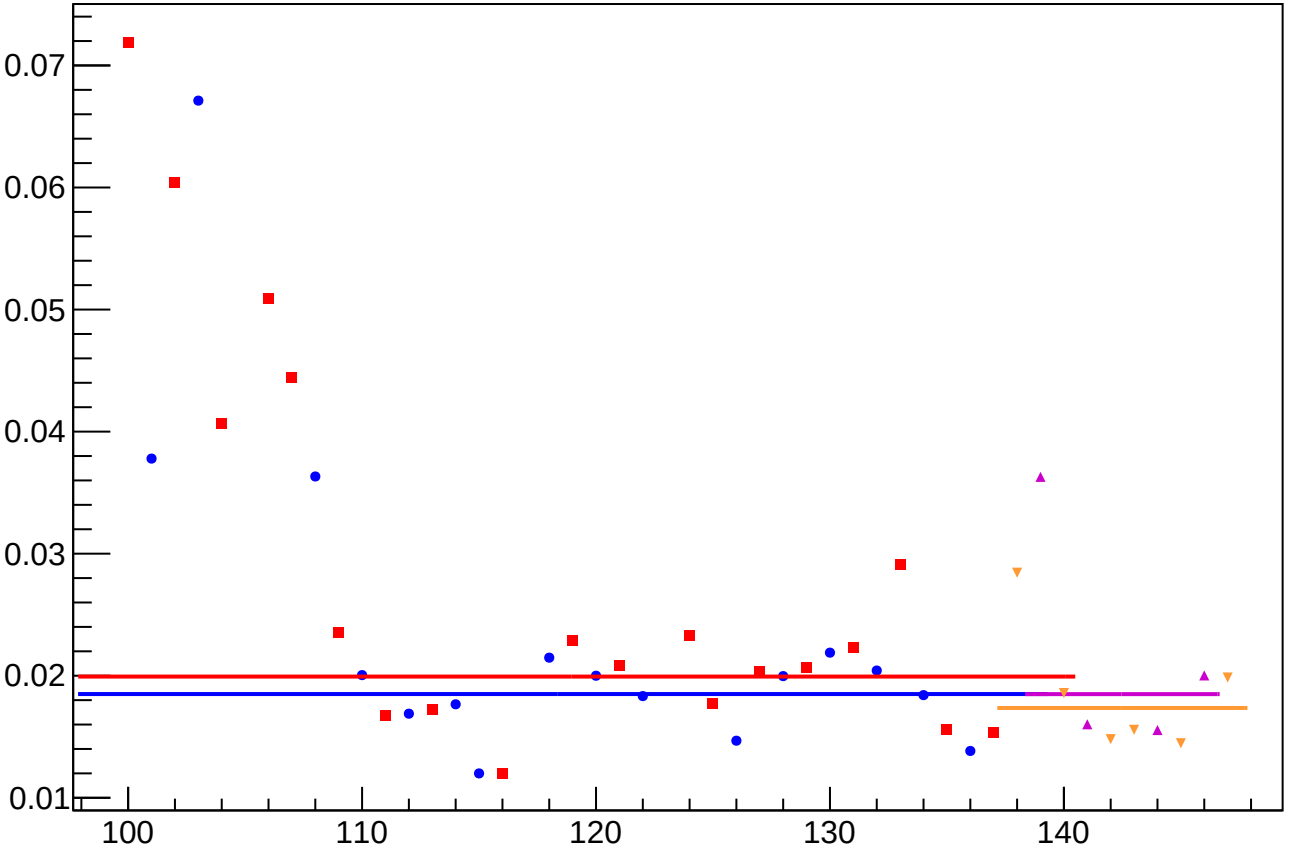
Left In: -0.431+/-0.000 χ^2/NDF:6837982.7/3

+ sign -0.265+/-0.000 χ^2/NDF: 780913362.3/21

All: -0.259+/-0.000 χ^2/NDF: 1373437052.7/4

- sign -0.251+/-0.000 χ^2/NDF: 590180465.9/22

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.017+/-0.000 χ^2/NDF:309153.8/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

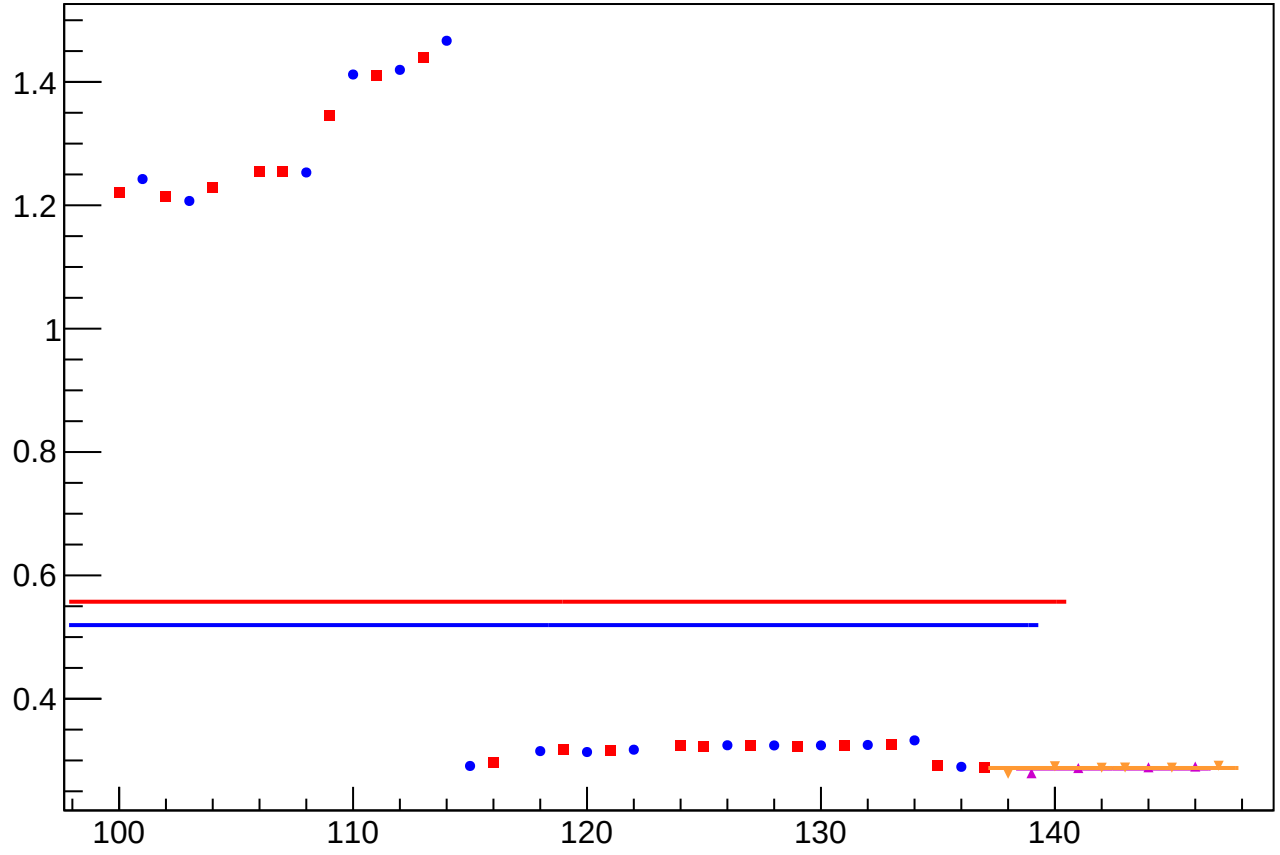
Left In: 0.018+/-0.000 χ^2/NDF:490110.7/3

+ sign 0.018+/-0.000 χ^2/NDF: 1698099.7/21

All: 0.019+/-0.000 χ^2/NDF: 3801631.3/44

- sign 0.019+/-0.000 χ^2/NDF: 2057944.3/22

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.288+/-0.000 χ^2/NDF:449908.4/5

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

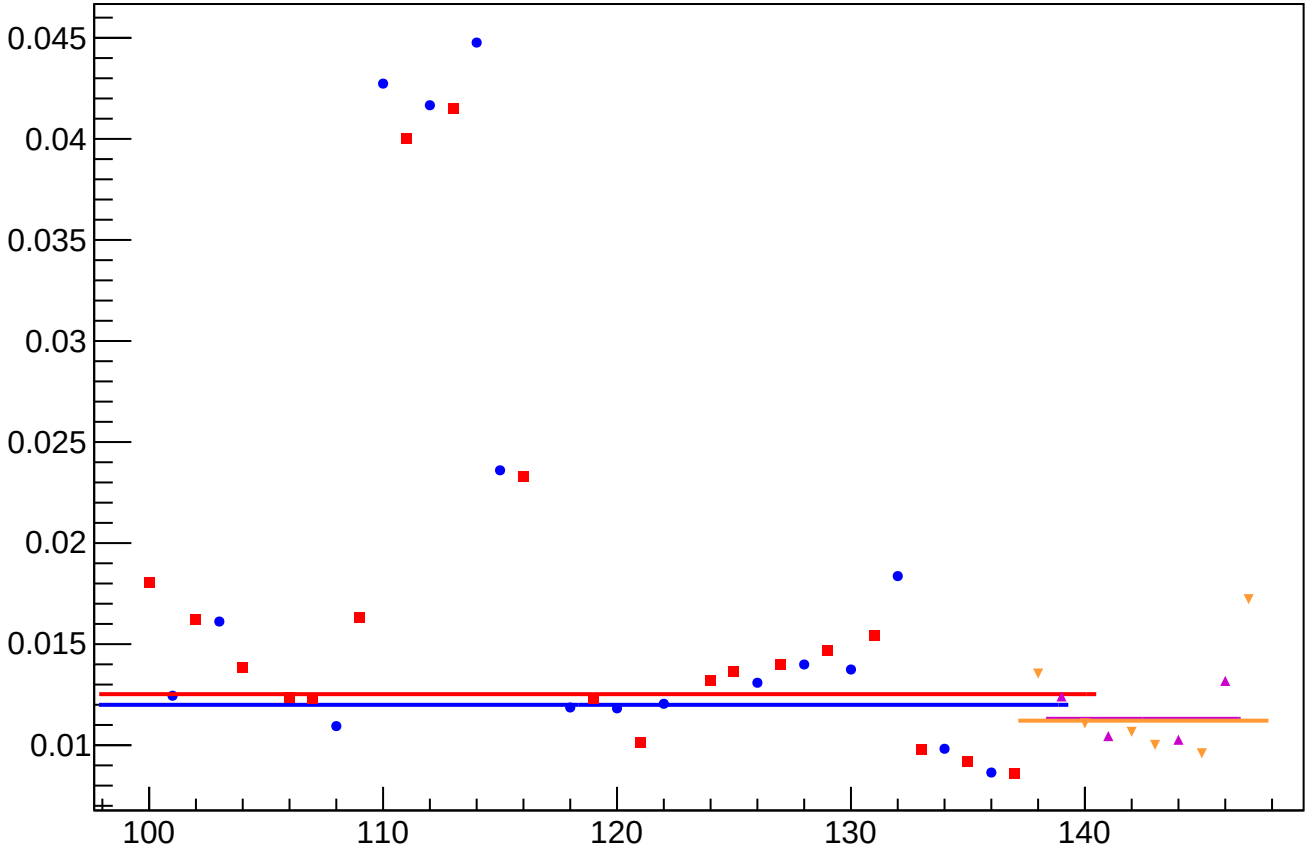
Left In: 0.287+/-0.000 χ^2/NDF:395856.7/3

+ sign 0.417+/-0.000 χ^2/NDF: 7306173824.1/21

All: 0.432+/-0.000 χ^2/NDF: 15227433783.4/4

- sign 0.450+/-0.000 χ^2/NDF: 7883308965.0/22

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:308222.8/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

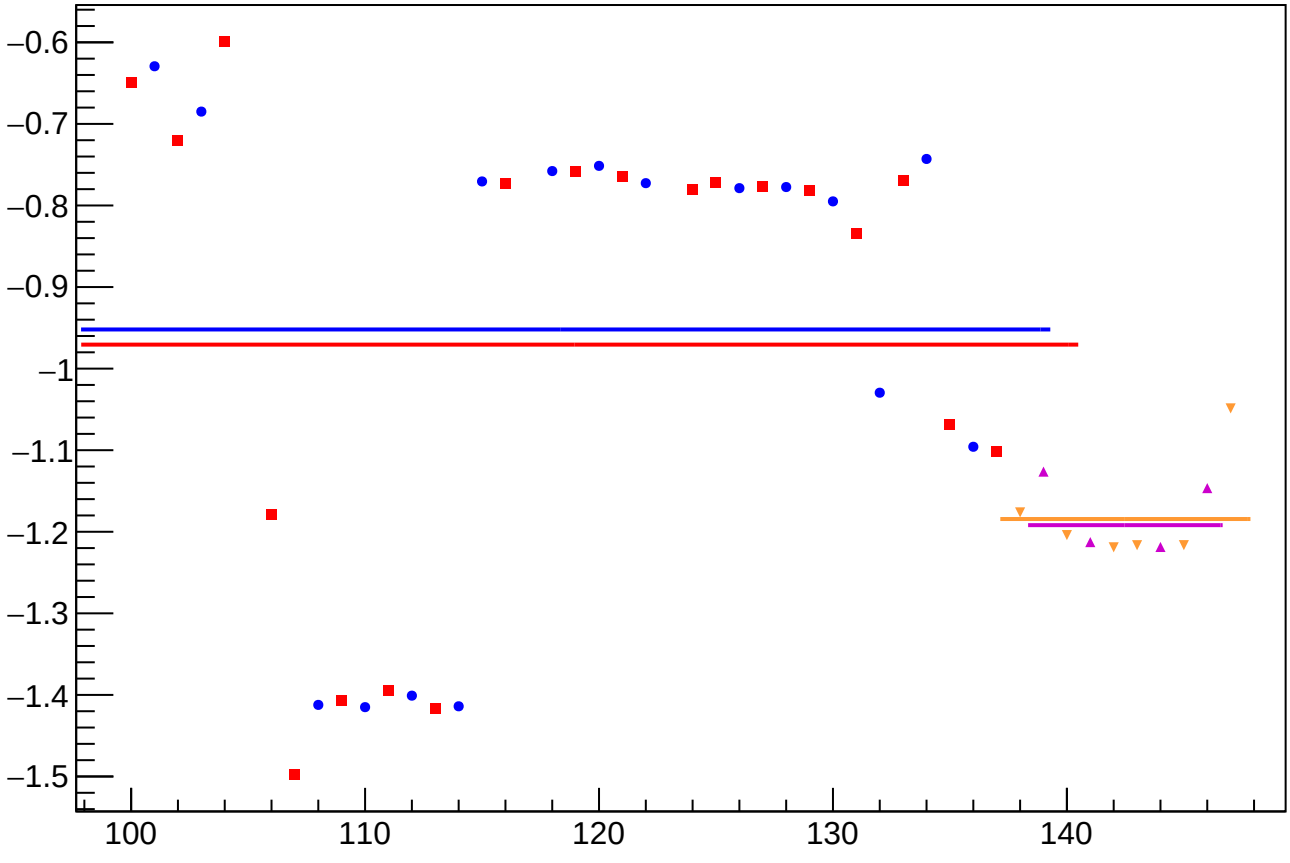
Left In: 0.011+/-0.000 χ^2/NDF:75148.1/3

+ sign 0.012+/-0.000 χ^2/NDF: 1822404.2/21

All: 0.012+/-0.000 χ^2/NDF: 3388617.1/44

- sign 0.012+/-0.000 χ^2/NDF: 1555663.0/22

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.184+/-0.000 χ^2/NDF:37542546.4/5

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

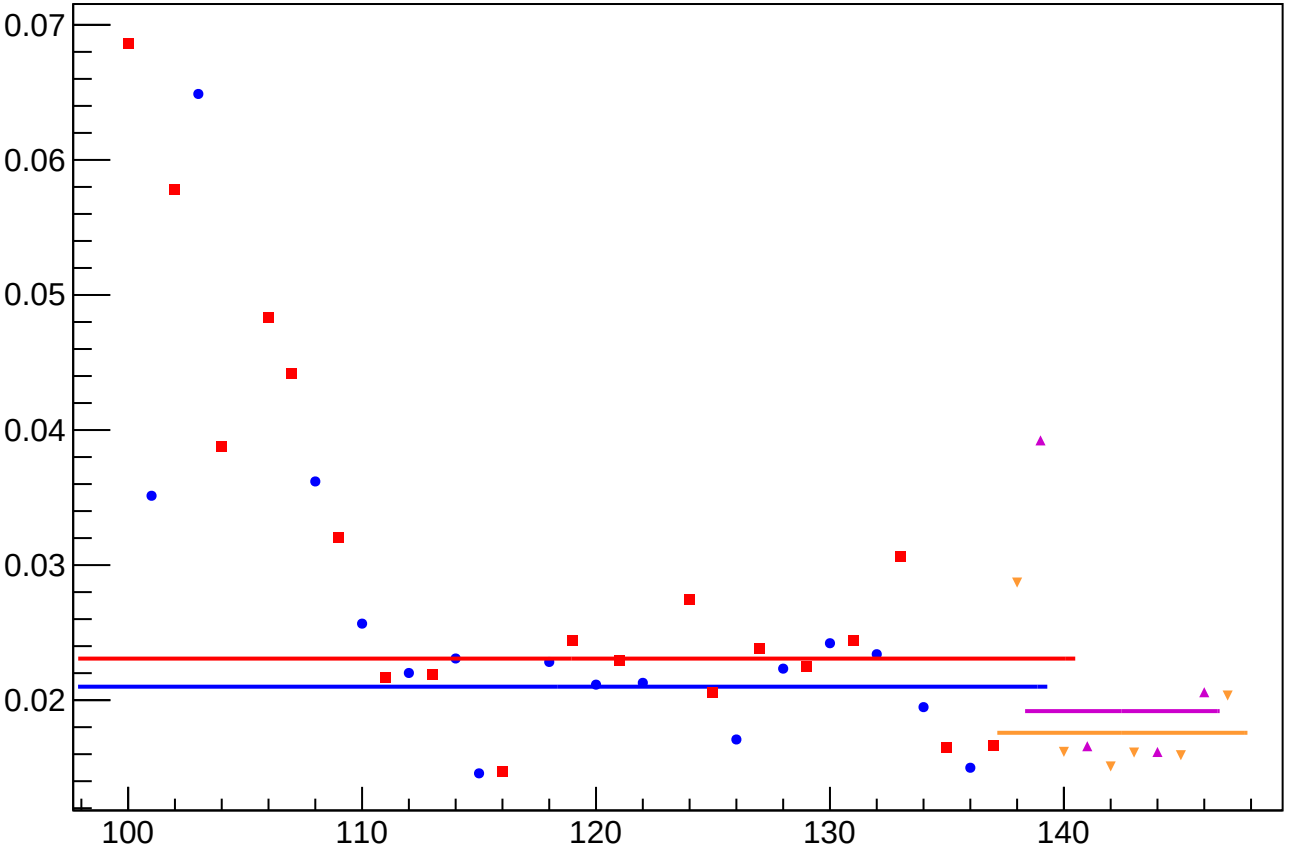
Left In: -1.192+/-0.000 χ^2/NDF:8606584.7/3

+ sign -1.059+/-0.000 χ^2/NDF: 1039137506.1/21

All: -1.059+/-0.000 χ^2/NDF: 1966812367.6/4

- sign -1.059+/-0.000 χ^2/NDF: 927674853.5/22

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:266303.0/5

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

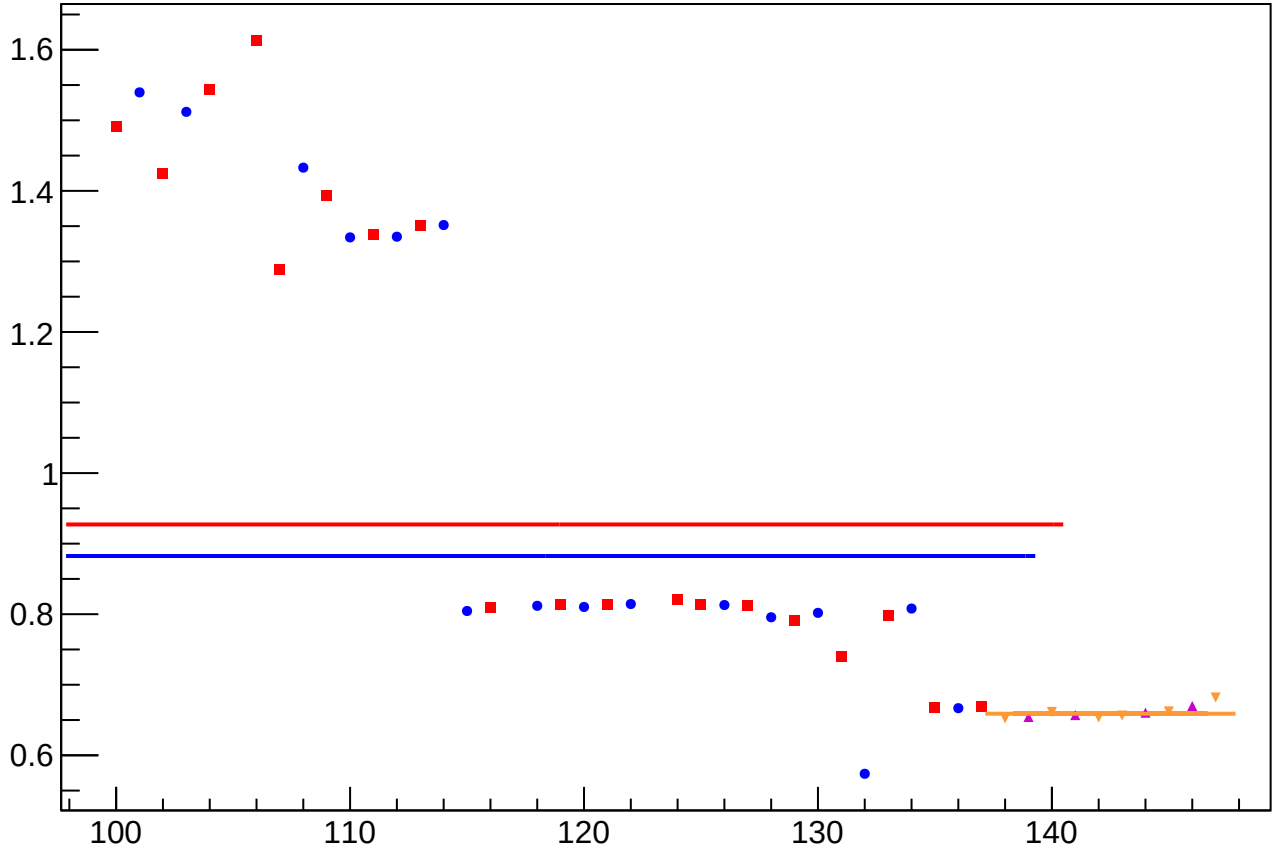
Left In: 0.019+/-0.000 χ^2/NDF:521572.5/3

+ sign 0.019+/-0.000 χ^2/NDF: 1563684.9/21

All: 0.020+/-0.000 χ^2/NDF: 3579253.4/44

- sign 0.022+/-0.000 χ^2/NDF: 1929227.0/22

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.659+/-0.000 χ^2/NDF:1171604.9/5

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

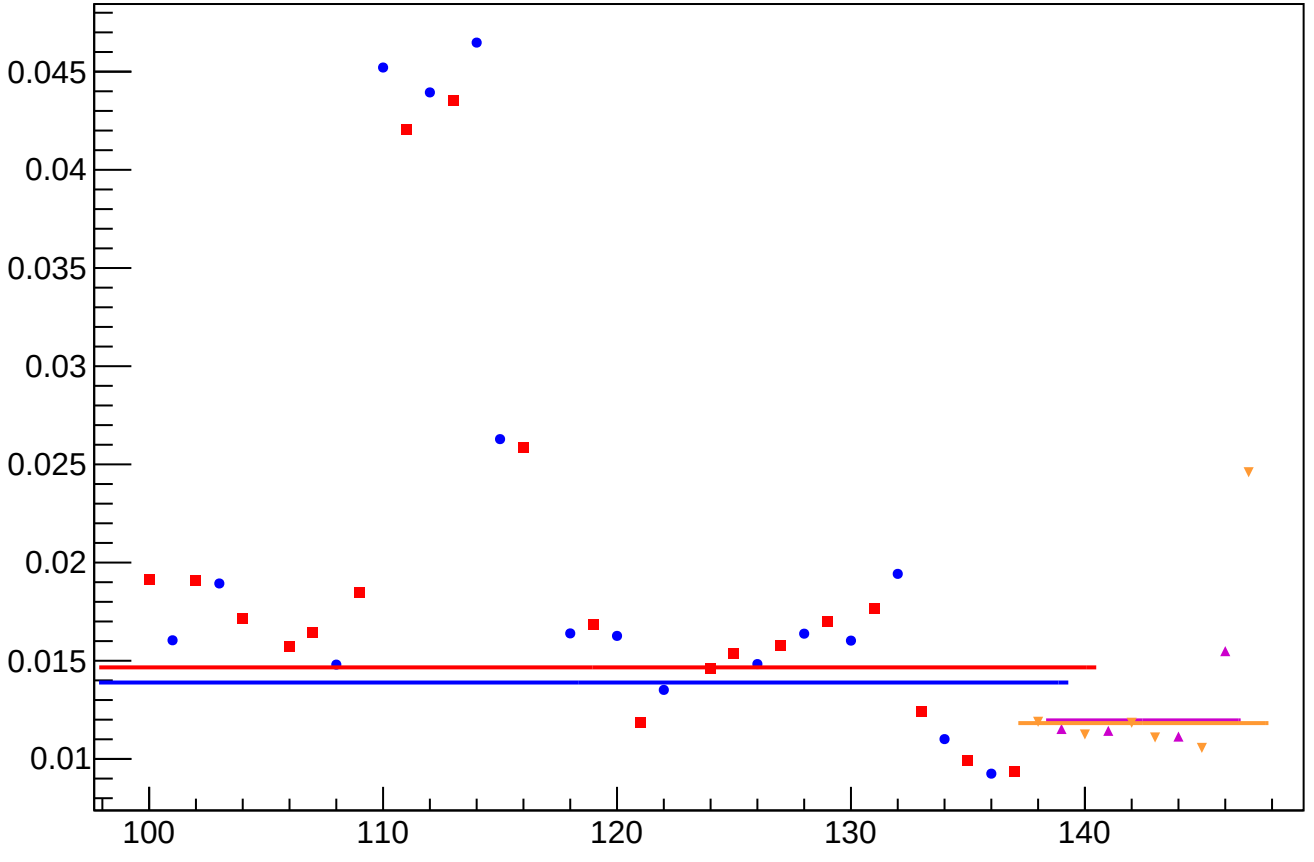
Left In: 0.659+/-0.000 χ^2/NDF:572940.6/3

+ sign 0.773+/-0.000 χ^2/NDF: 3535750818.4/21

All: 0.789+/-0.000 χ^2/NDF: 7253692454.2/44

- sign 0.808+/-0.000 χ^2/NDF: 3683681011.4/22

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:463519.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

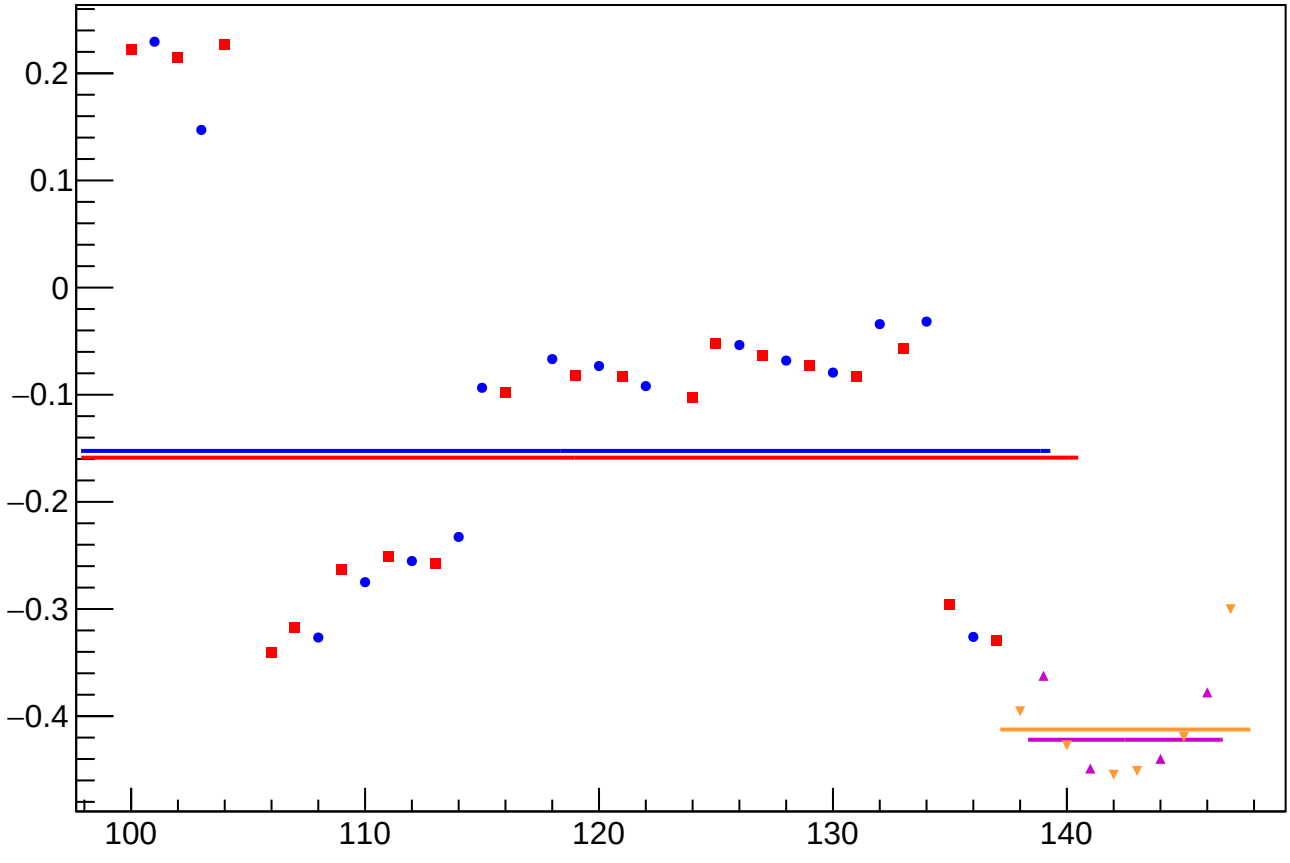
Left In: 0.012+/-0.000 χ^2/NDF:99510.0/3

+ sign 0.013+/-0.000 χ^2/NDF: 2238540.9/21

All: 0.013+/-0.000 χ^2/NDF: 4010805.1/44

- sign 0.013+/-0.000 χ^2/NDF: 1753305.8/22

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.412+/-0.000 χ^2/NDF:28126989.8/5

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

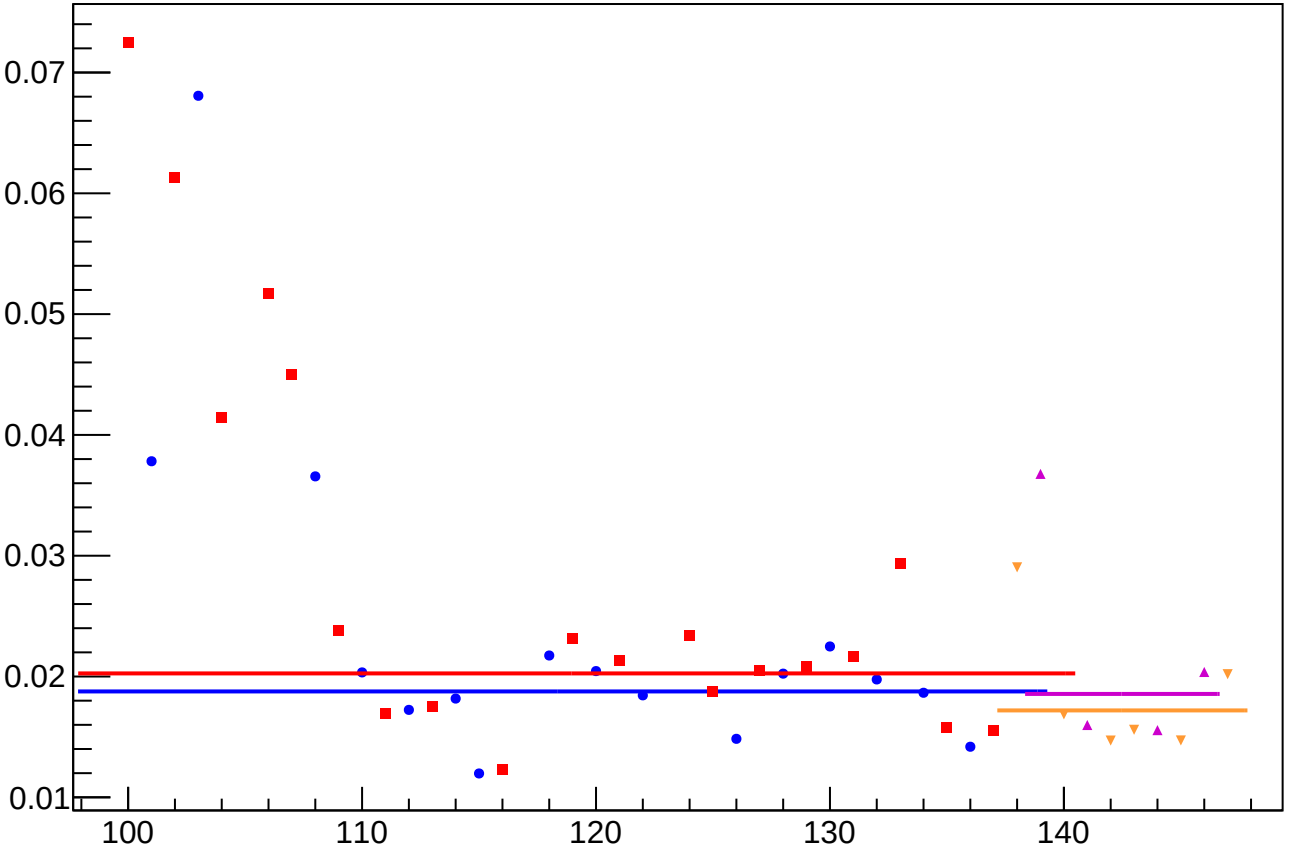
Left In: -0.422+/-0.000 χ^2/NDF:8222884.3/3

+ sign -0.262+/-0.000 χ^2/NDF: 731019910.9/21

All: -0.259+/-0.000 χ^2/NDF: 1268649916.5/4

- sign -0.254+/-0.000 χ^2/NDF: 536833863.0/22

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:318183.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

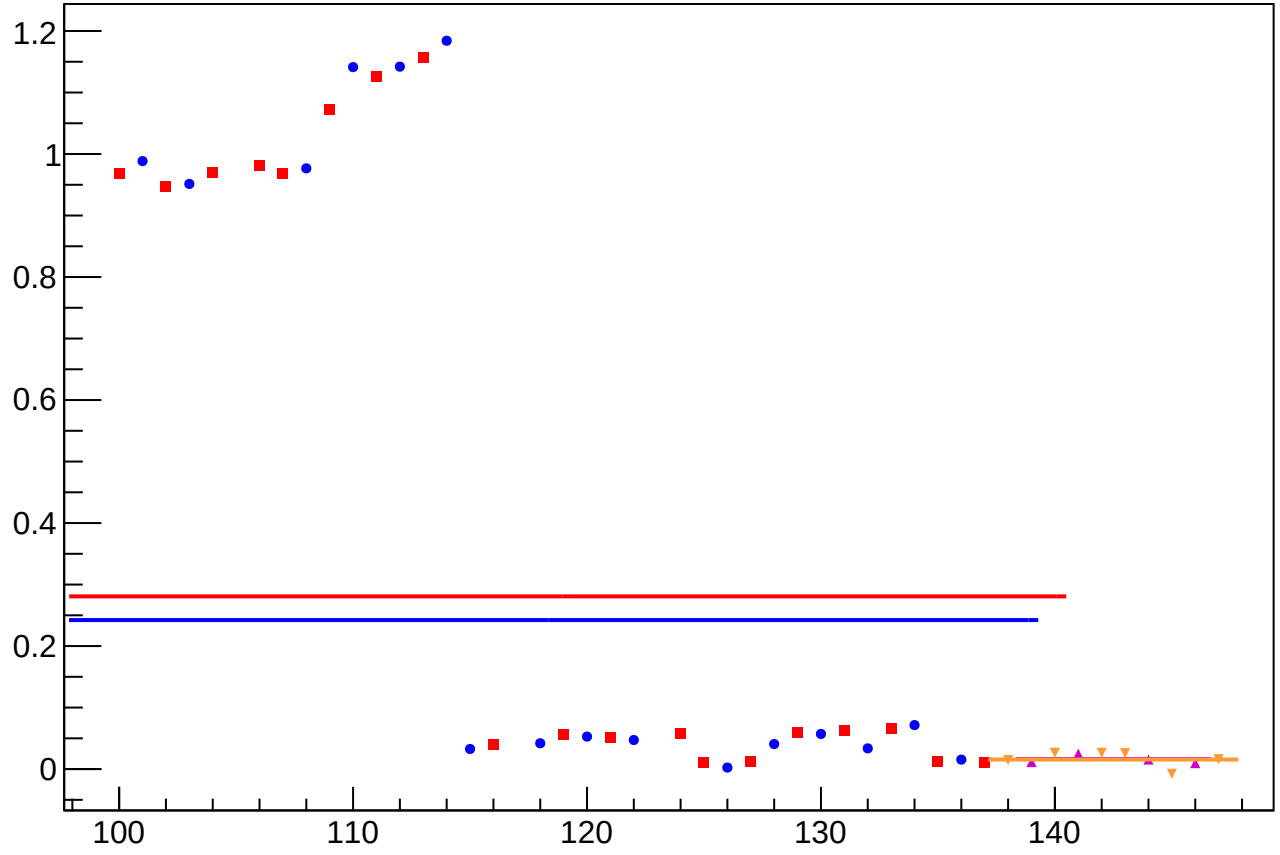
Left In: 0.019+/-0.000 χ^2/NDF:504643.0/3

+ sign 0.018+/-0.000 χ^2/NDF: 1698886.8/21

All: 0.019+/-0.000 χ^2/NDF: 3815746.3/44

- sign 0.020+/-0.000 χ^2/NDF: 2062001.9/22

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:6773196.8/5

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

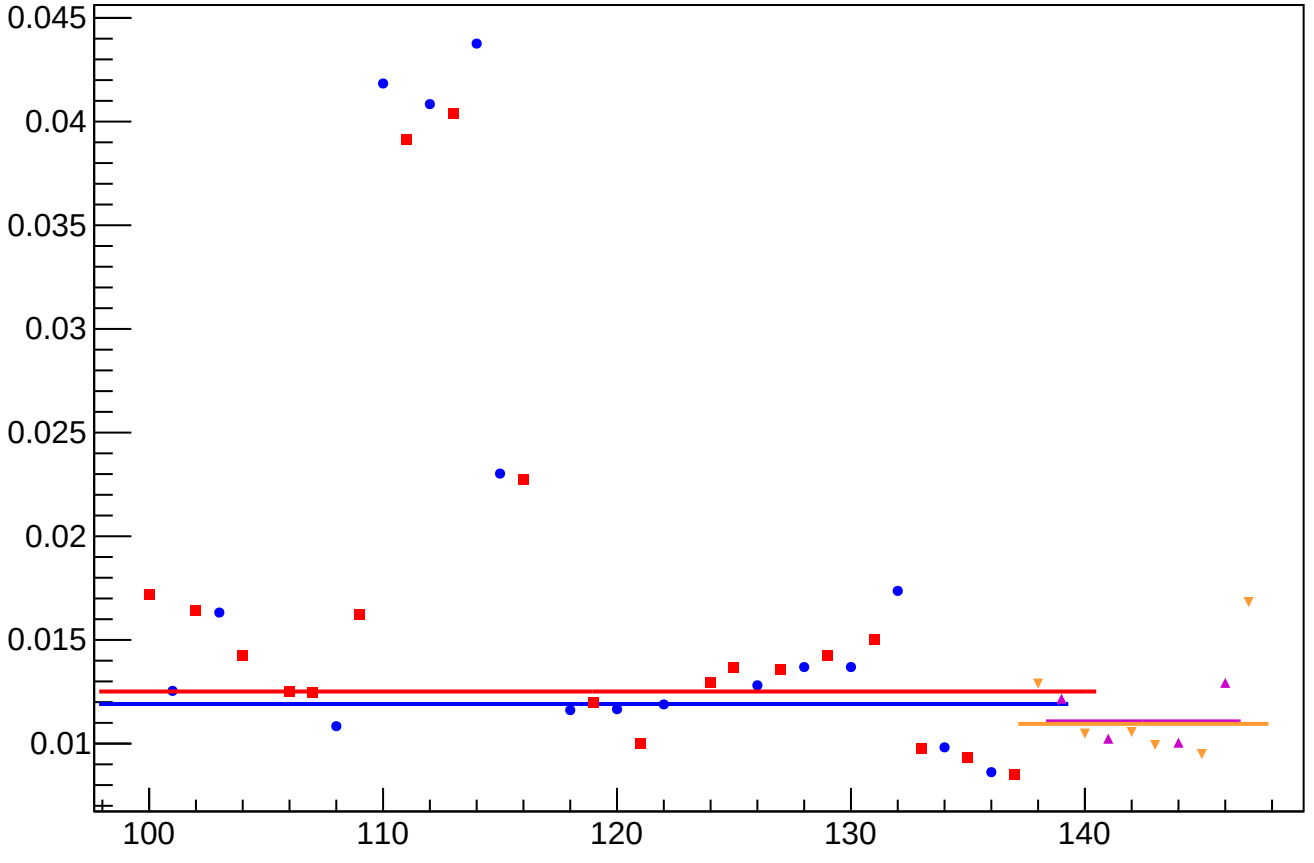
Left In: 0.016+/-0.000 χ^2/NDF:949012.6/3

+ sign 0.140+/-0.000 χ^2/NDF: 7491709364.0/21

All: 0.155+/-0.000 χ^2/NDF: 15404359650.3/4

- sign 0.173+/-0.000 χ^2/NDF: 7873303538.3/22

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:286512.7/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

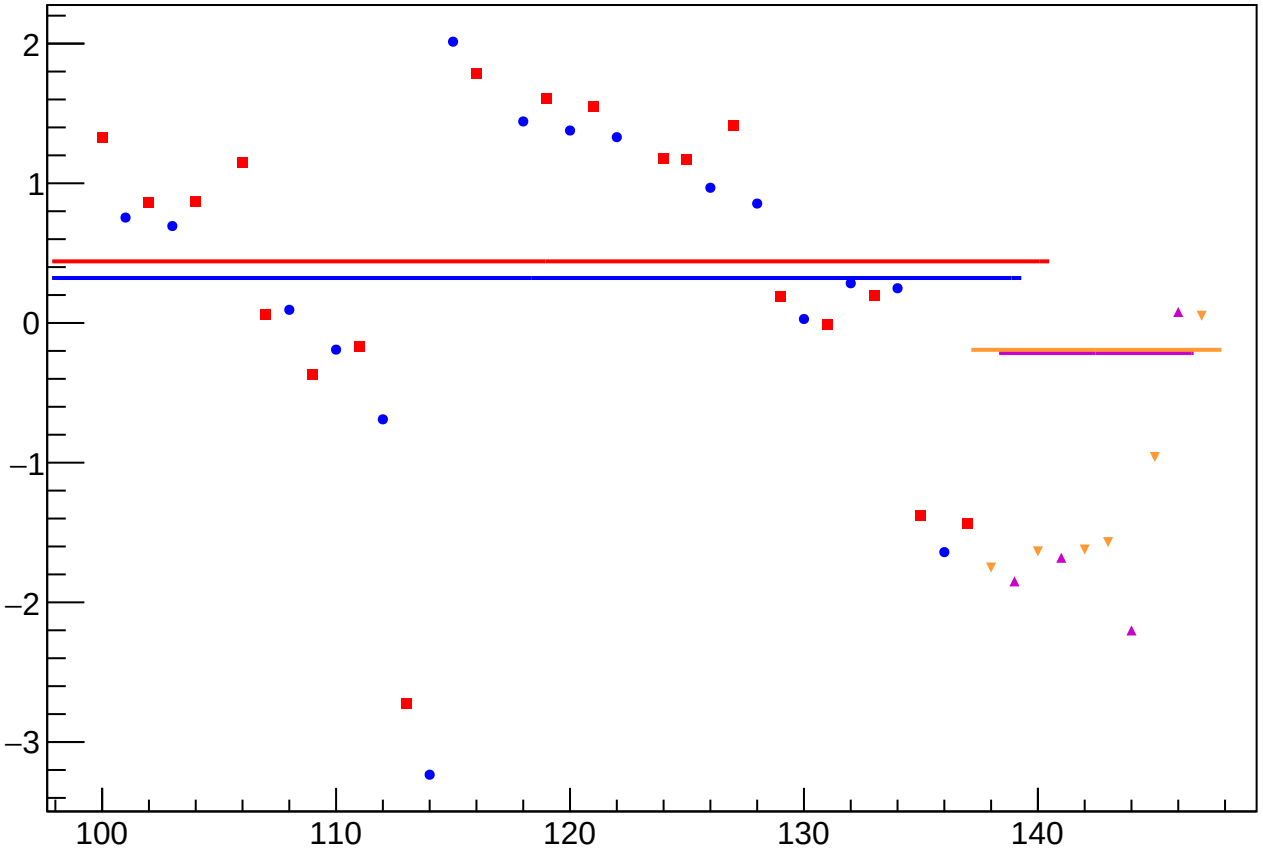
Left In: 0.011+/-0.000 χ^2/NDF:76418.8/3

+ sign 0.011+/-0.000 χ^2/NDF: 1780830.9/21

All: 0.012+/-0.000 χ^2/NDF: 3330175.0/44

- sign 0.012+/-0.000 χ^2/NDF: 1535054.8/22

yield_bpm1X_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -0.192+/-0.000 χ^2/NDF:988513152.0/5

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

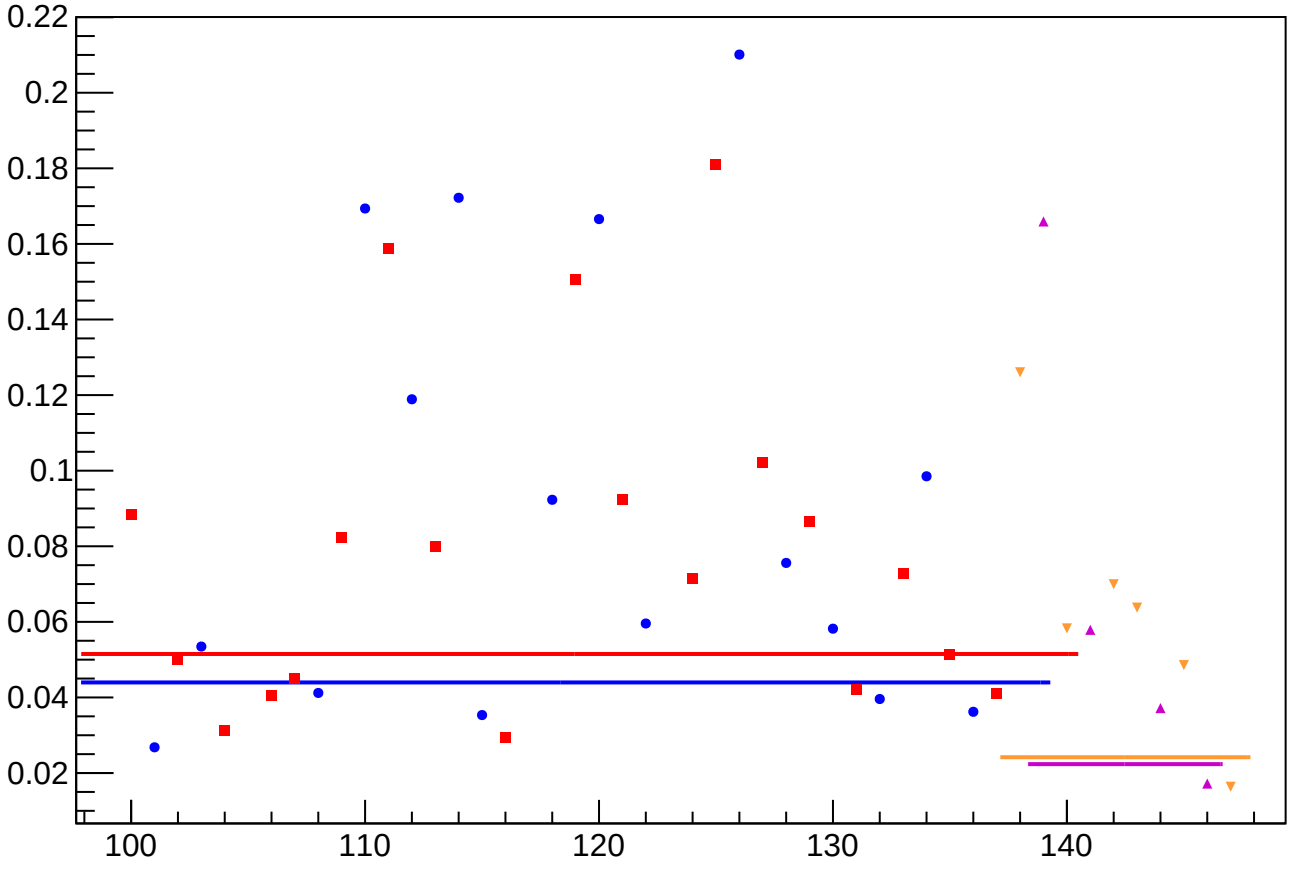
Left In: -0.215+/-0.000 χ^2/NDF:1492983056.1/3

+ sign 0.002+/-0.000 χ^2/NDF: 2979567167.1/21

All: 0.014+/-0.000 χ^2/NDF: 6717261442.9/44

- sign 0.028+/-0.000 χ^2/NDF: 3736118447.4/22

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.024+/-0.000 χ^2/NDF:2335715.4/5

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

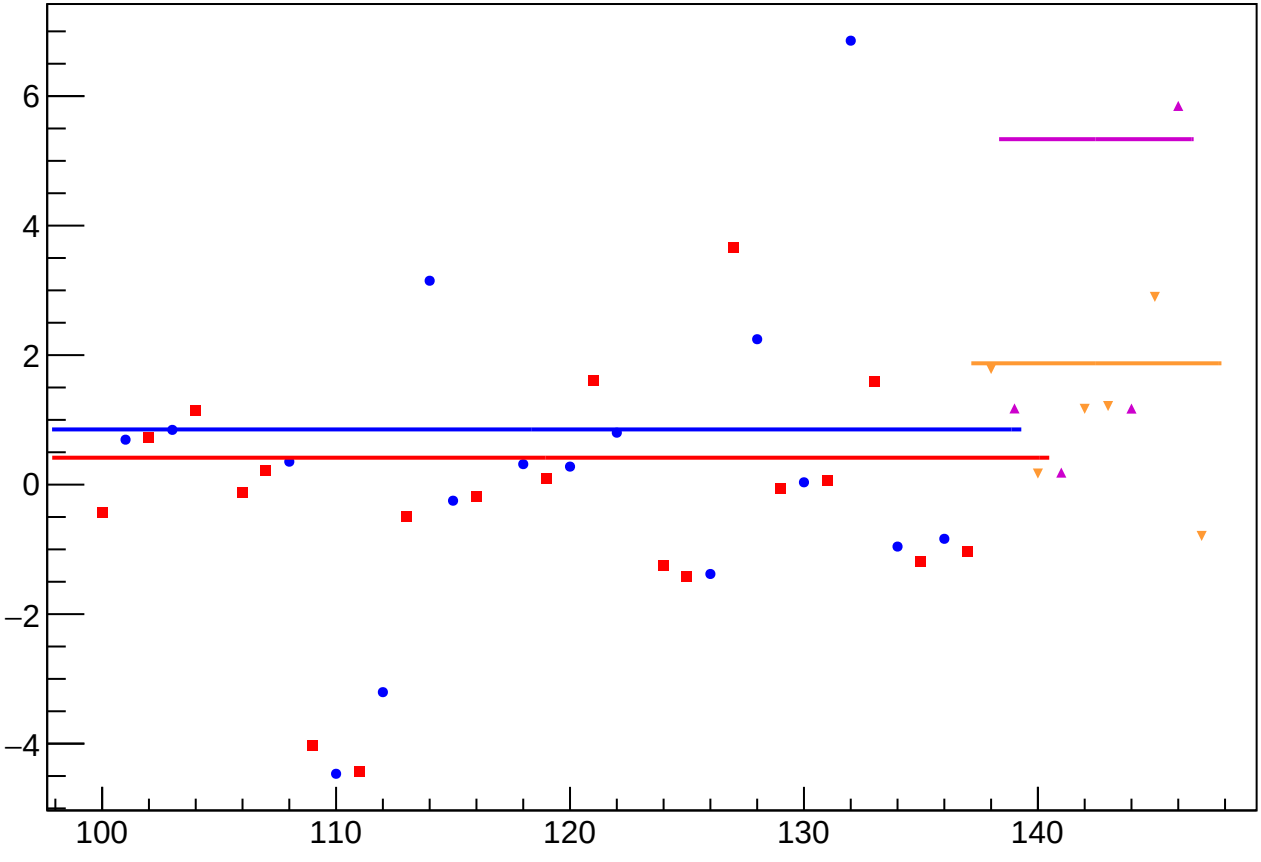
Left In: 0.022+/-0.000 χ^2/NDF:1754106.4/3

+ sign 0.032+/-0.000 χ^2/NDF: 6089665.9/21

All: 0.032+/-0.000 χ^2/NDF: 11982356.8/44

- sign 0.033+/-0.000 χ^2/NDF: 5882066.2/22

yield_bpm1Y_mean vs Slug



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 1.874+/-0.000 χ^2/NDF:12001873767.4/5

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

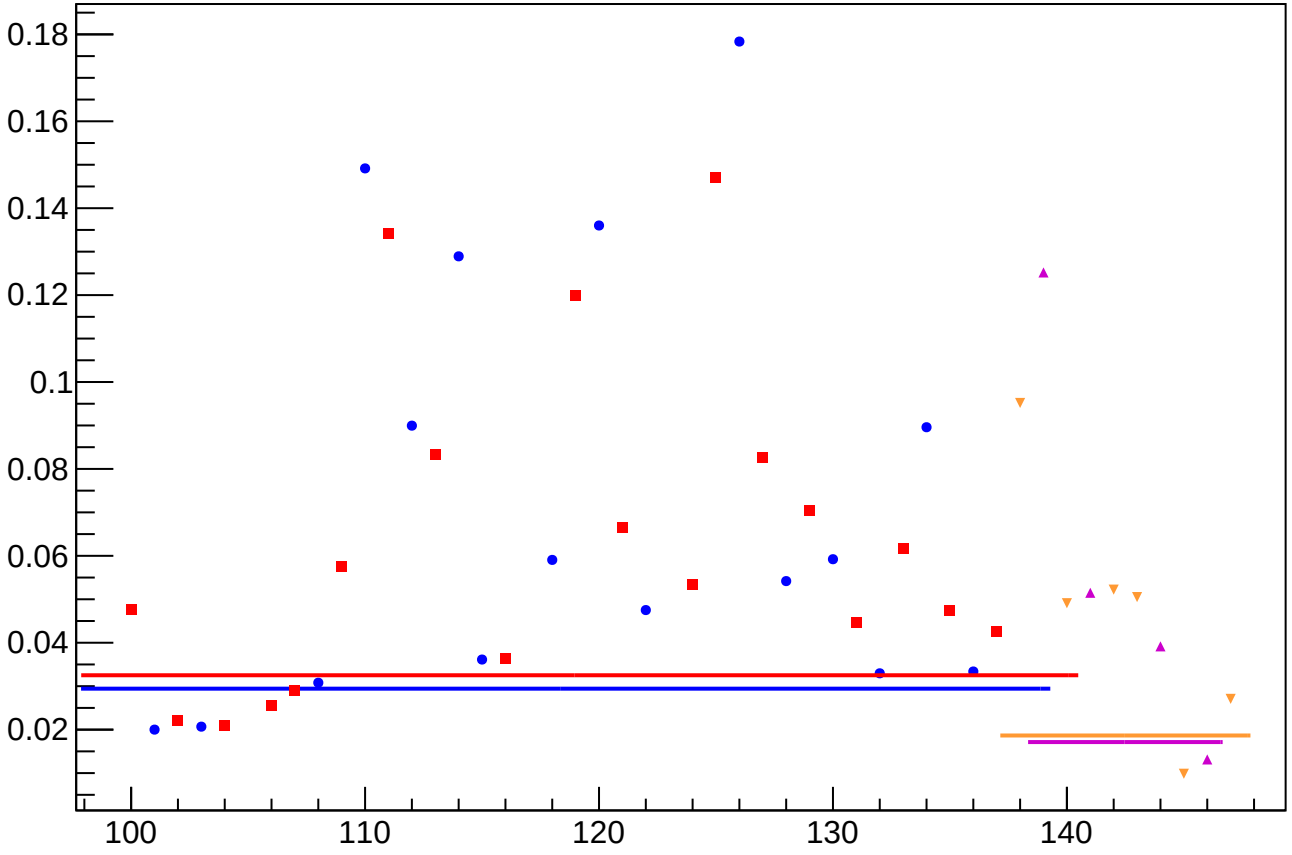
Left In: 5.335+/-0.000 χ^2/NDF:11450593253.2/3

+ sign 1.403+/-0.000 χ^2/NDF: 25974355784.9/21

All: 2.252+/-0.000 χ^2/NDF: 108663960942.6

- sign 3.147+/-0.000 χ^2/NDF: 68997044931.9/22

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2454793.7/5

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

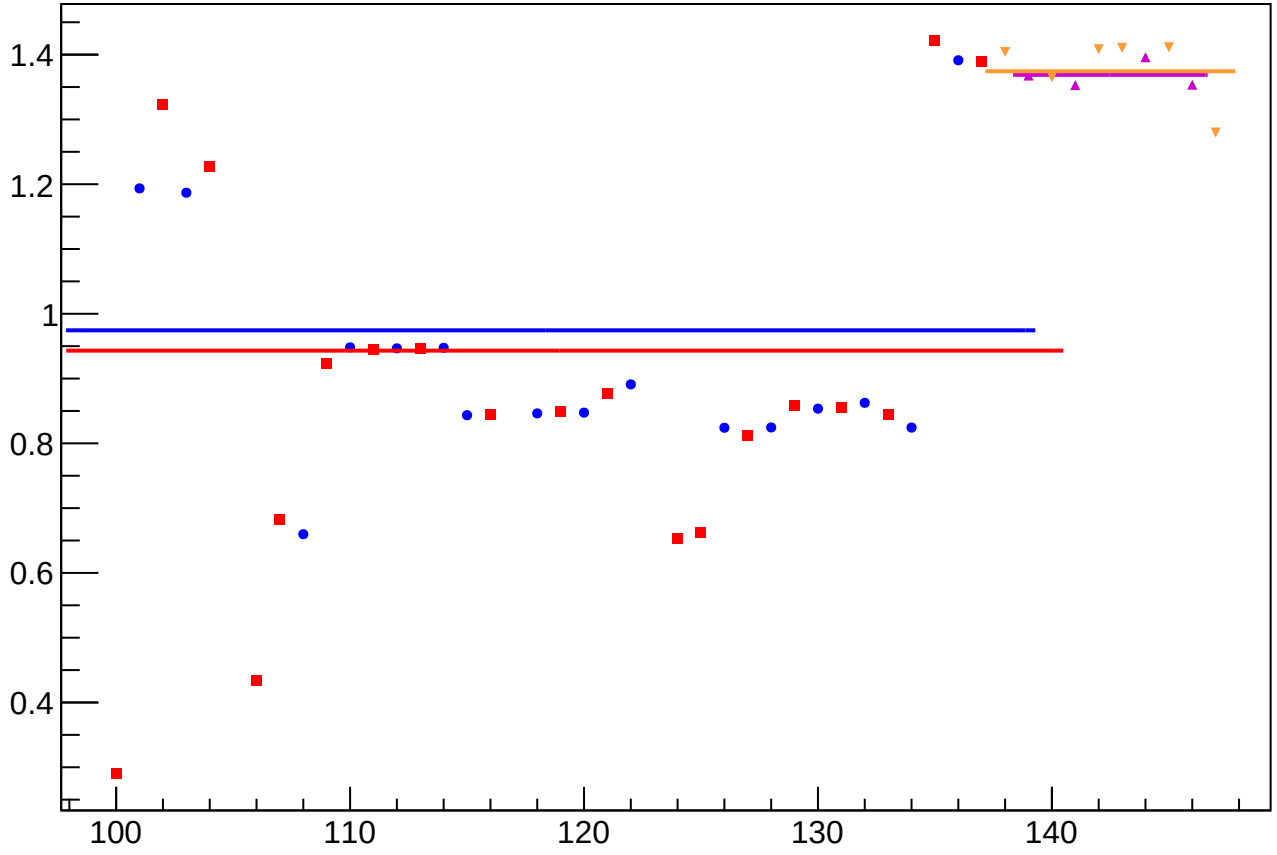
Left In: 0.017+/-0.000 χ^2/NDF:1988377.2/3

+ sign 0.024+/-0.000 χ^2/NDF: 6180887.7/21

All: 0.024+/-0.000 χ^2/NDF: 12510360.7/44

- sign 0.024+/-0.000 χ^2/NDF: 6328283.1/22

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.374+/-0.000 χ^2/NDF:62084678.1/5

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

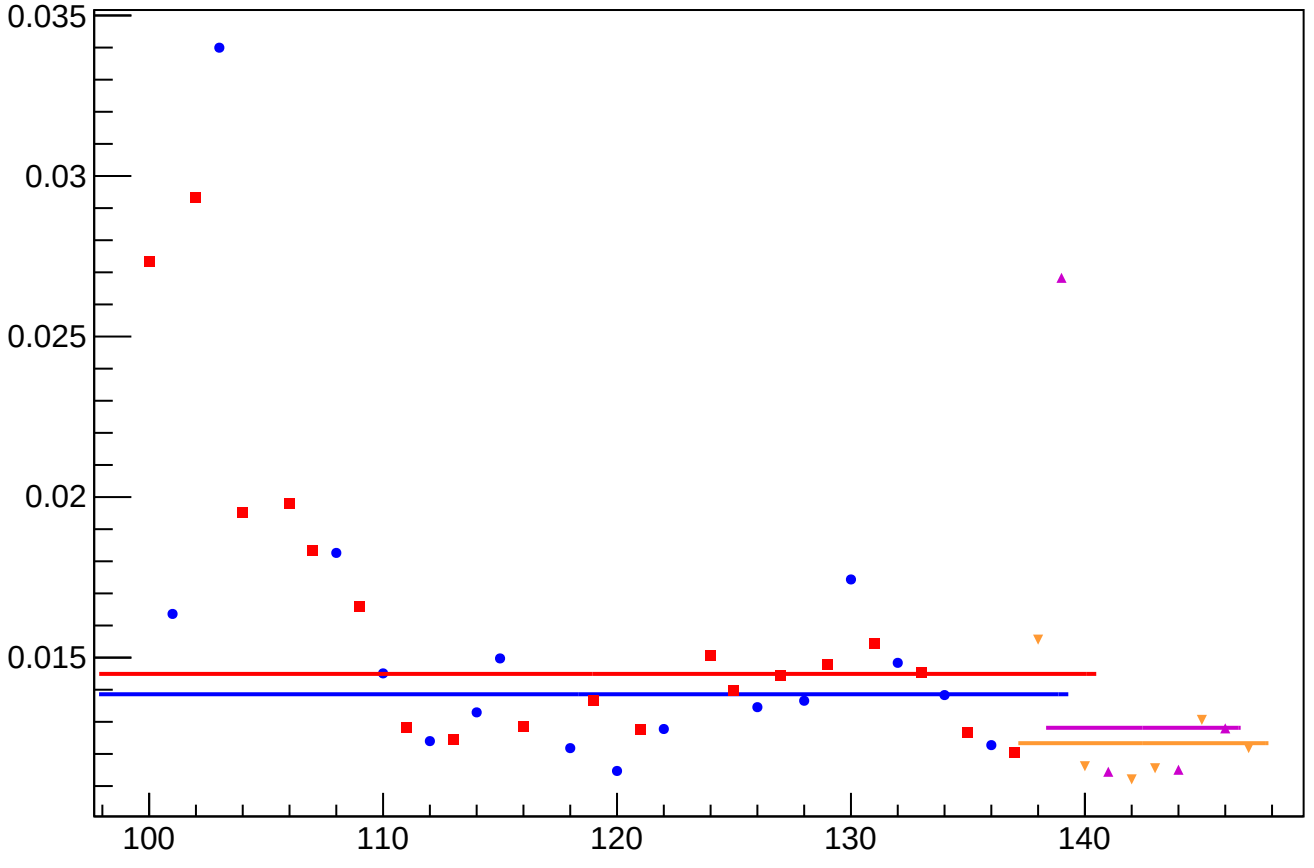
Left In: 1.369+/-0.000 χ^2/NDF:7001612.5/3

+ sign 1.146+/-0.000 χ^2/NDF: 3741068636.3/21

All: 1.124+/-0.000 χ^2/NDF: 7503764577.8/44

- sign 1.099+/-0.000 χ^2/NDF: 3705546201.9/22

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:77284.8/5

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

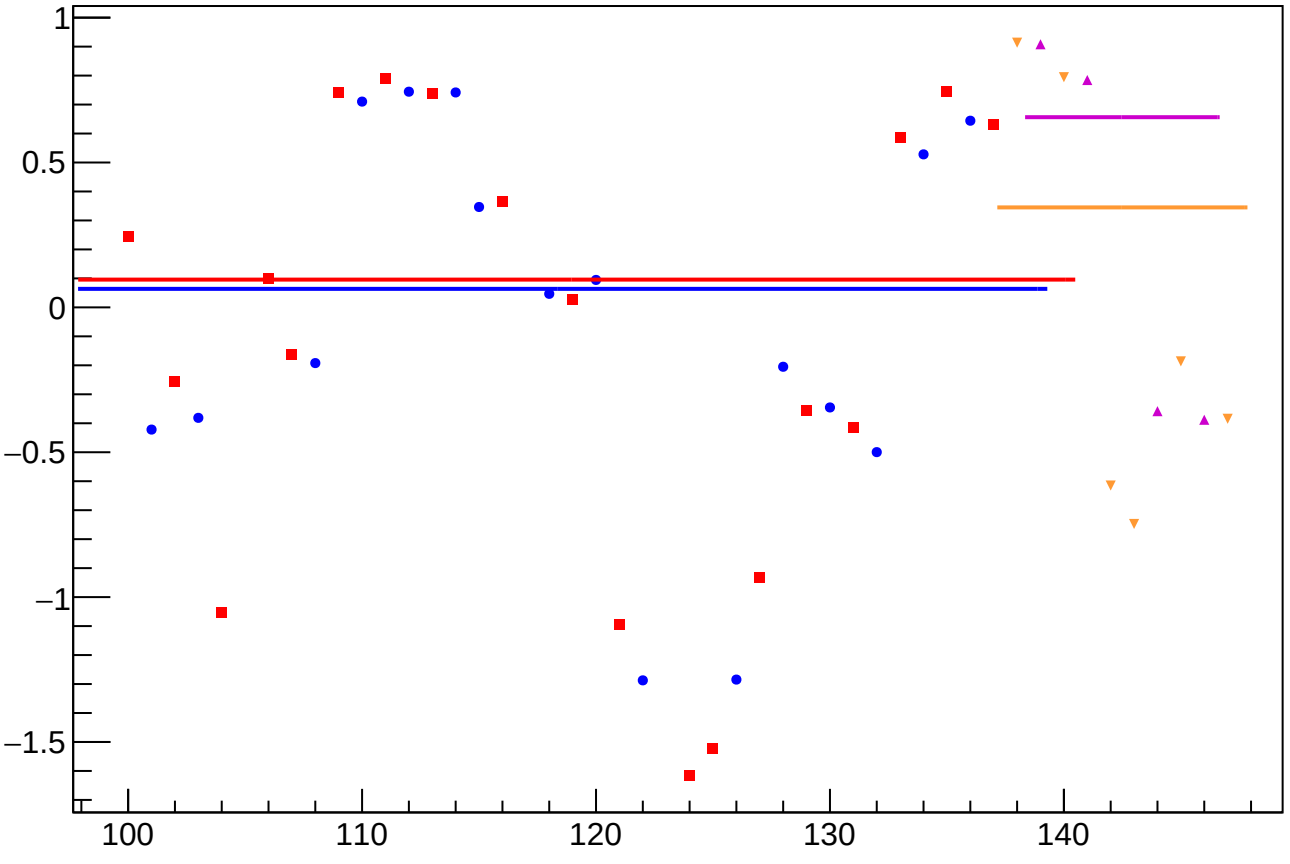
Left In: 0.013+/-0.000 χ^2/NDF:483398.1/3

+ sign 0.013+/-0.000 χ^2/NDF: 741733.3/21

All: 0.014+/-0.000 χ^2/NDF: 1856063.2/44

- sign 0.014+/-0.000 χ^2/NDF: 1090793.1/22

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.345+/-0.000 χ^2/NDF:17651851478.5/5

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

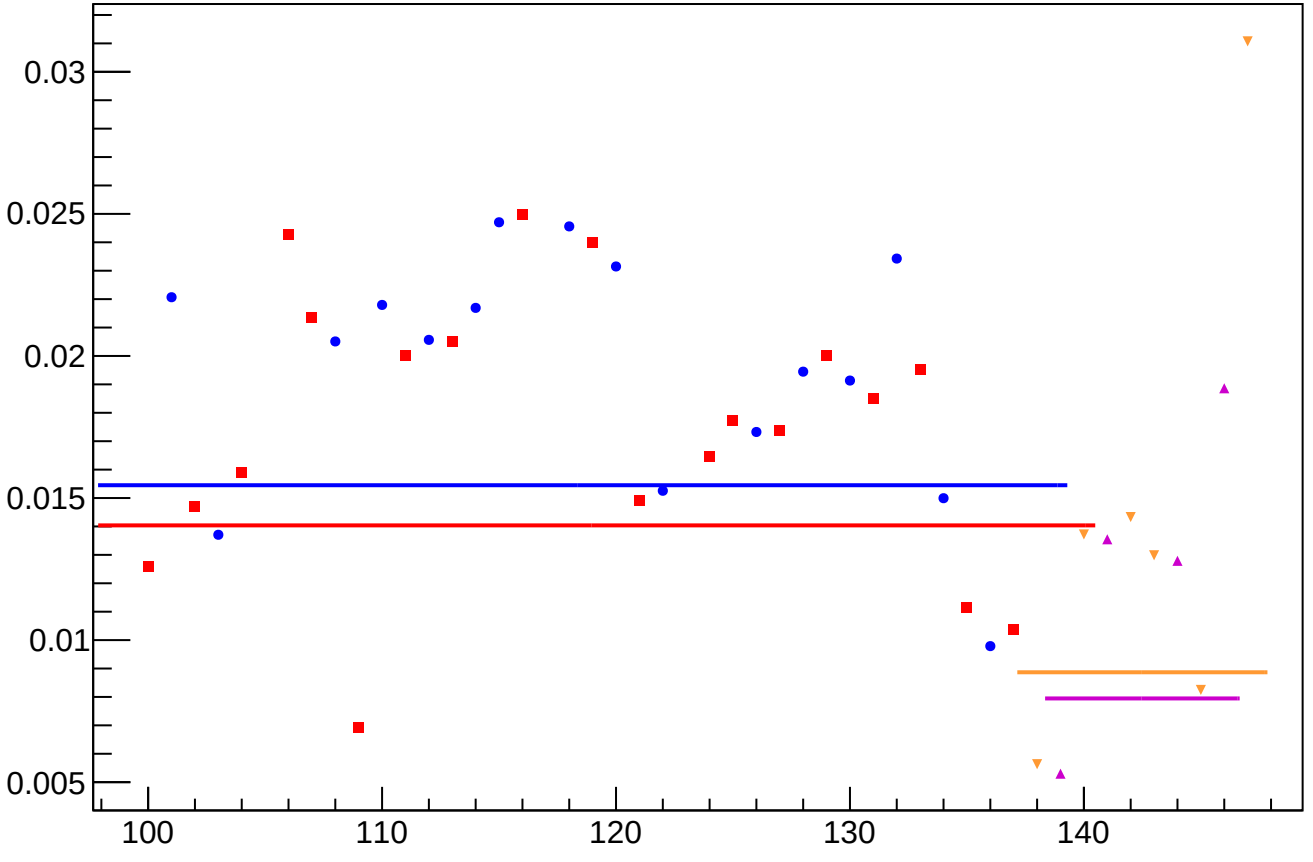
Left In: 0.656+/-0.000 χ^2/NDF:9765453985.1/3

+ sign 0.238+/-0.000 χ^2/NDF: 29918677105.0/21

All: 0.331+/-0.000 χ^2/NDF: 63965293539.3/4

- sign 0.418+/-0.000 χ^2/NDF: 32940722612.0/22

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1703024.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

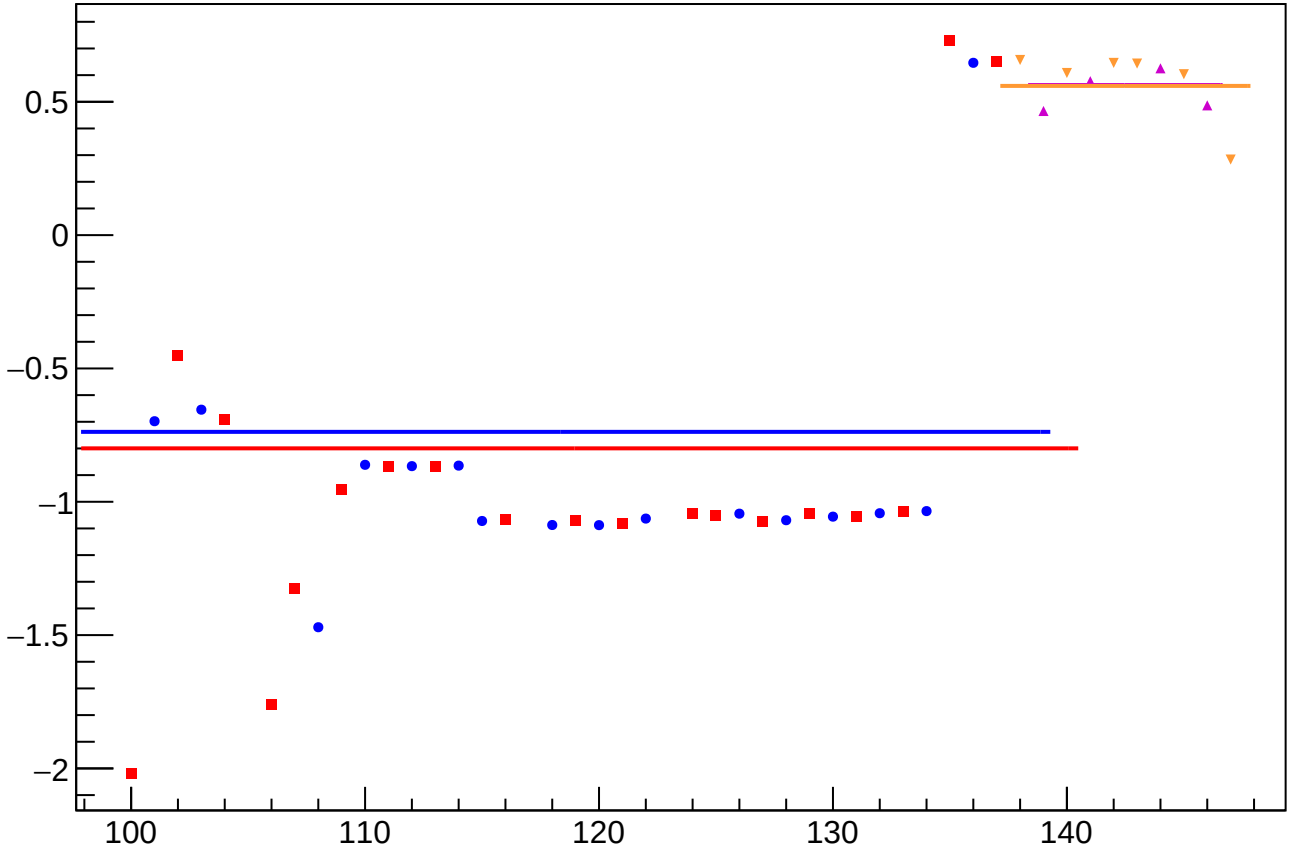
Left In: 0.008+/-0.000 χ^2/NDF:1458716.3/3

+ sign 0.011+/-0.000 χ^2/NDF: 4346650.0/21

All: 0.011+/-0.000 χ^2/NDF: 8812858.1/44

- sign 0.011+/-0.000 χ^2/NDF: 4418059.1/22

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.560+/-0.000 χ^2/NDF:72013000.2/5

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

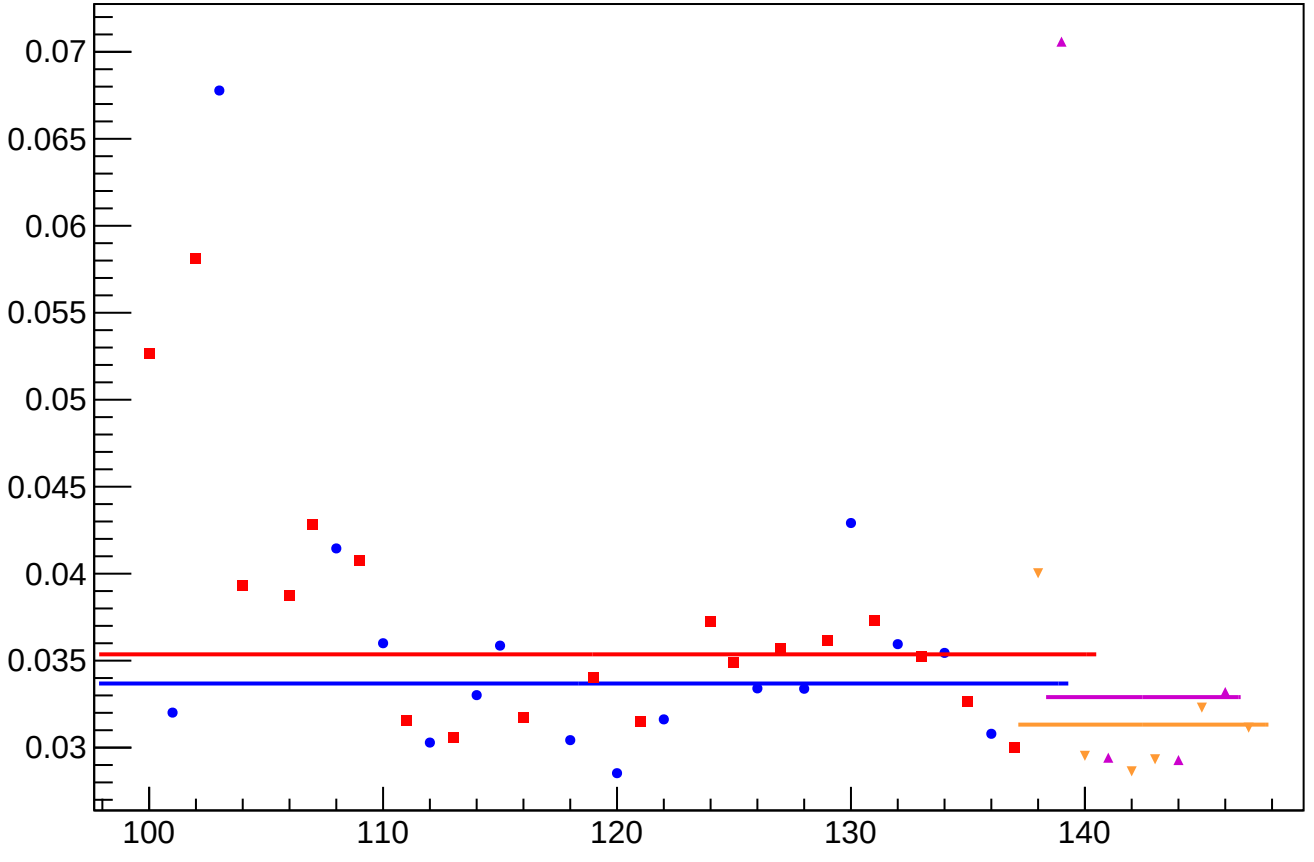
Left In: 0.563+/-0.000 χ^2/NDF:9542490.4/3

+ sign -0.216+/-0.000 χ^2/NDF: 5906144711.6/21

All: -0.271+/-0.000 χ^2/NDF: 11122151620.8/

- sign -0.337+/-0.000 χ^2/NDF: 5153669952.9/22

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:79065.0/5

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

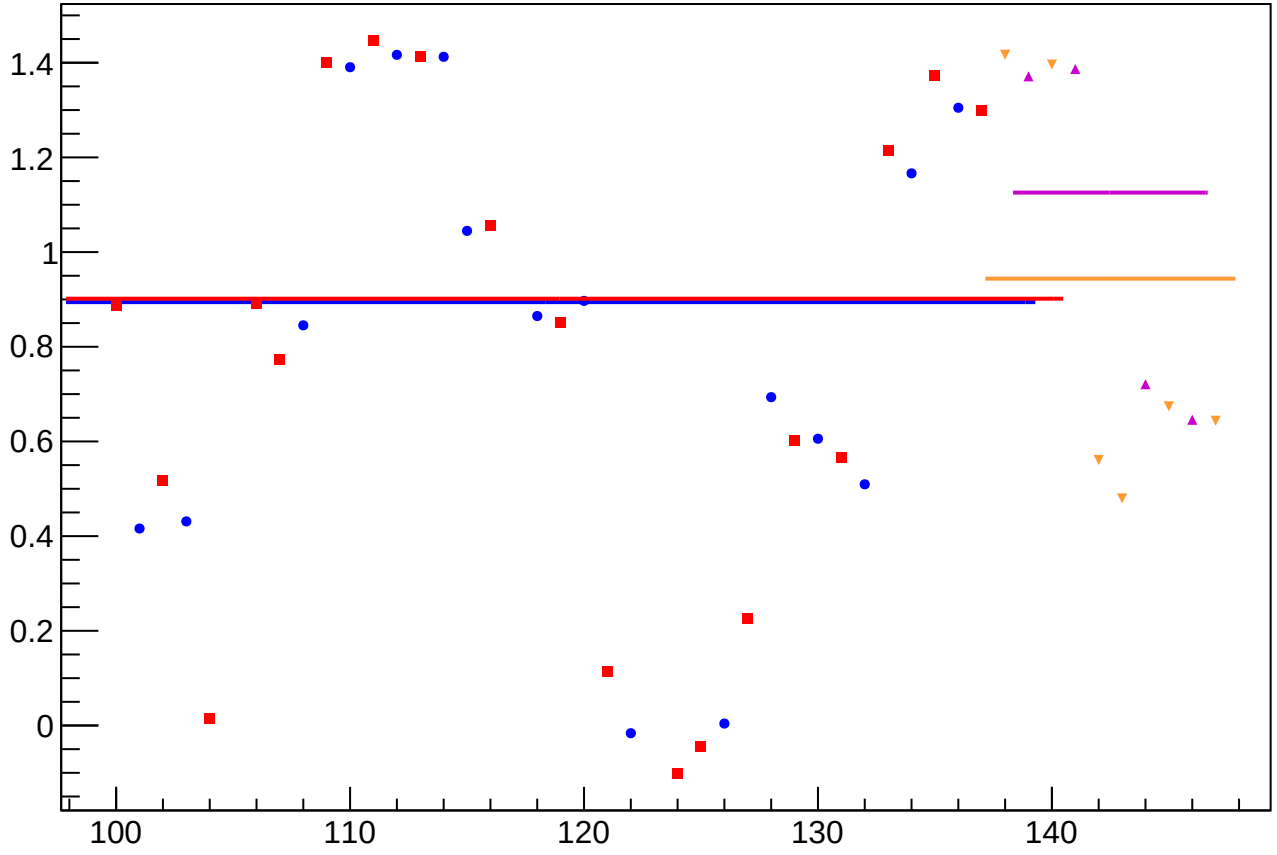
Left In: 0.033+/-0.000 χ^2/NDF:505431.8/3

+ sign 0.033+/-0.000 χ^2/NDF: 524247.6/21

All: 0.034+/-0.000 χ^2/NDF: 1374578.5/44

- sign 0.035+/-0.000 χ^2/NDF: 823014.8/22

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.944+/-0.000 χ^2/NDF:9424028585.0/5

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

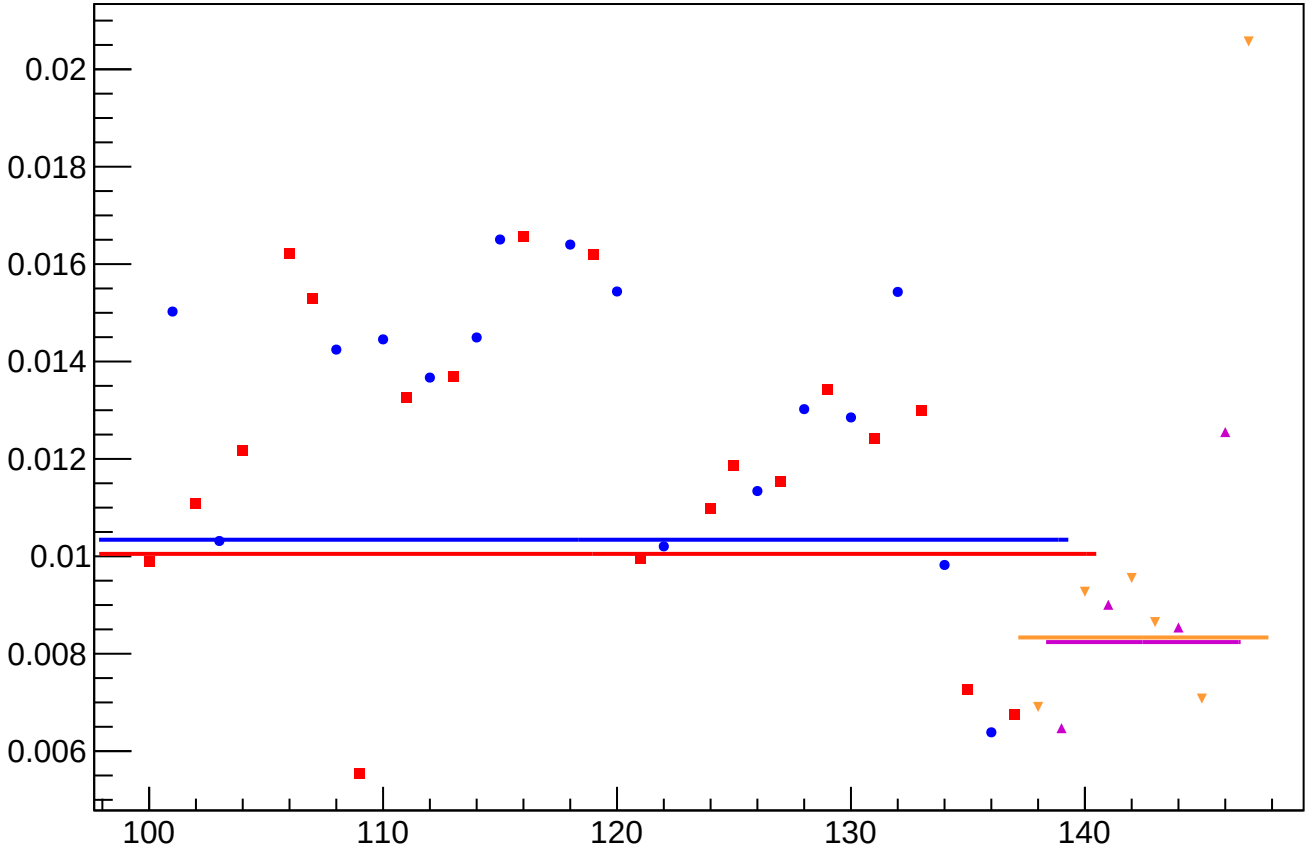
Left In: 1.126+/-0.000 χ^2/NDF:4937902470.7/3

+ sign 0.919+/-0.000 χ^2/NDF: 22242848530.2/21

All: 0.958+/-0.000 χ^2/NDF: 46723750553.7/4

- sign 0.998+/-0.000 χ^2/NDF: 24139433699.9/22

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:708920.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

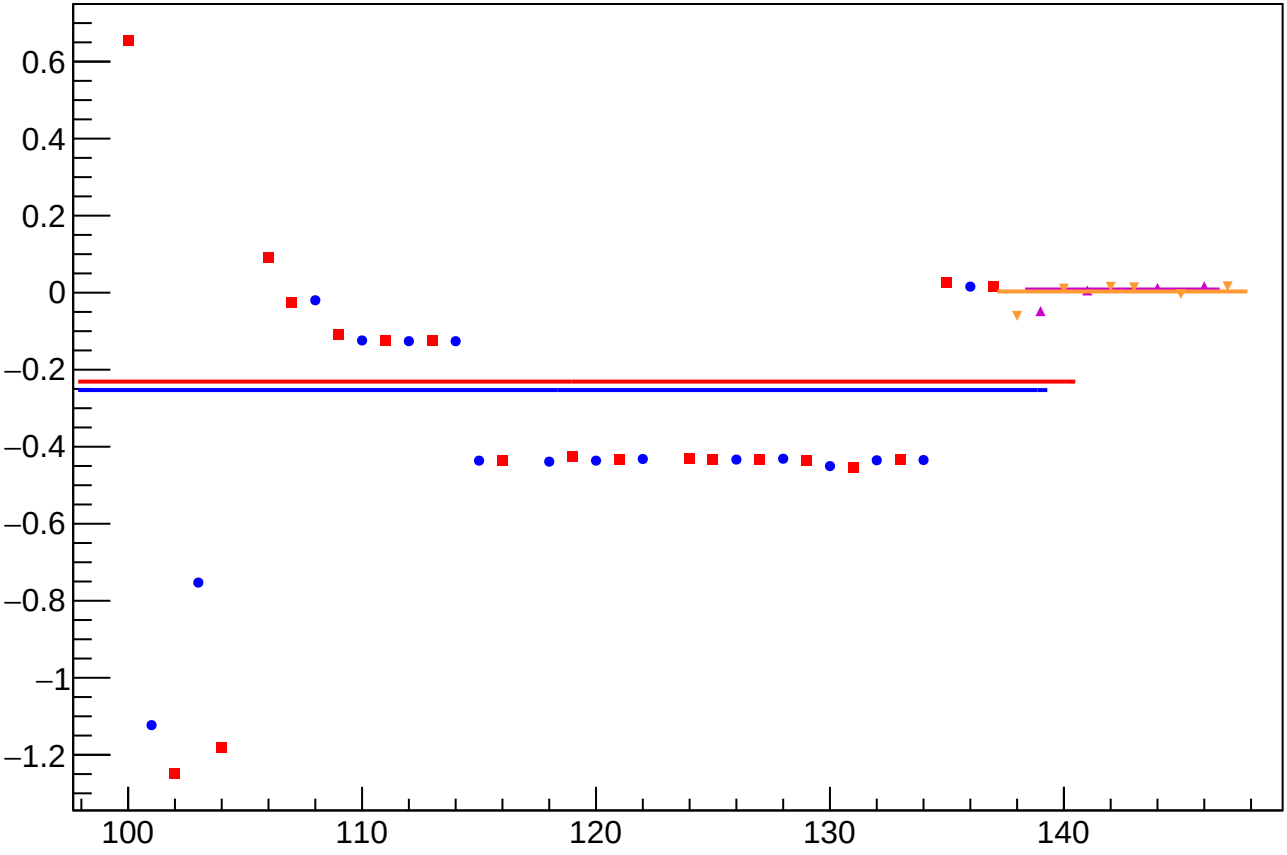
Left In: 0.008+/-0.000 χ^2/NDF:319031.8/3

+ sign 0.009+/-0.000 χ^2/NDF: 2285152.5/21

All: 0.009+/-0.000 χ^2/NDF: 4112311.8/44

- sign 0.009+/-0.000 χ^2/NDF: 1826707.1/22

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:18204672.5/5

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

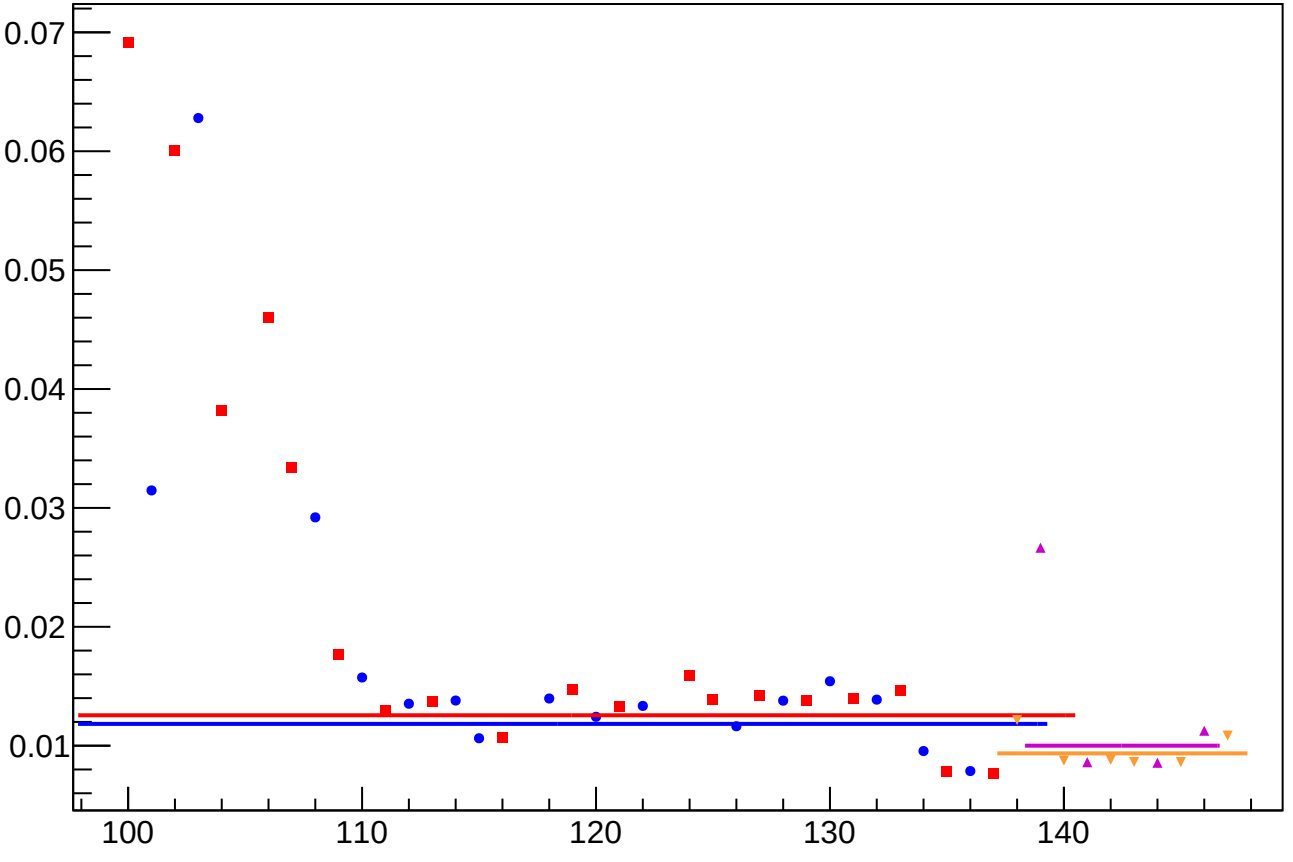
Left In: 0.008+/-0.000 χ^2/NDF:4291215.4/3

+ sign -0.119+/-0.000 χ^2/NDF: 3260876144.7/21

All: -0.121+/-0.000 χ^2/NDF: 5883894515.0/4

- sign -0.124+/-0.000 χ^2/NDF: 2622101605.0/22

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:111492.2/5

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

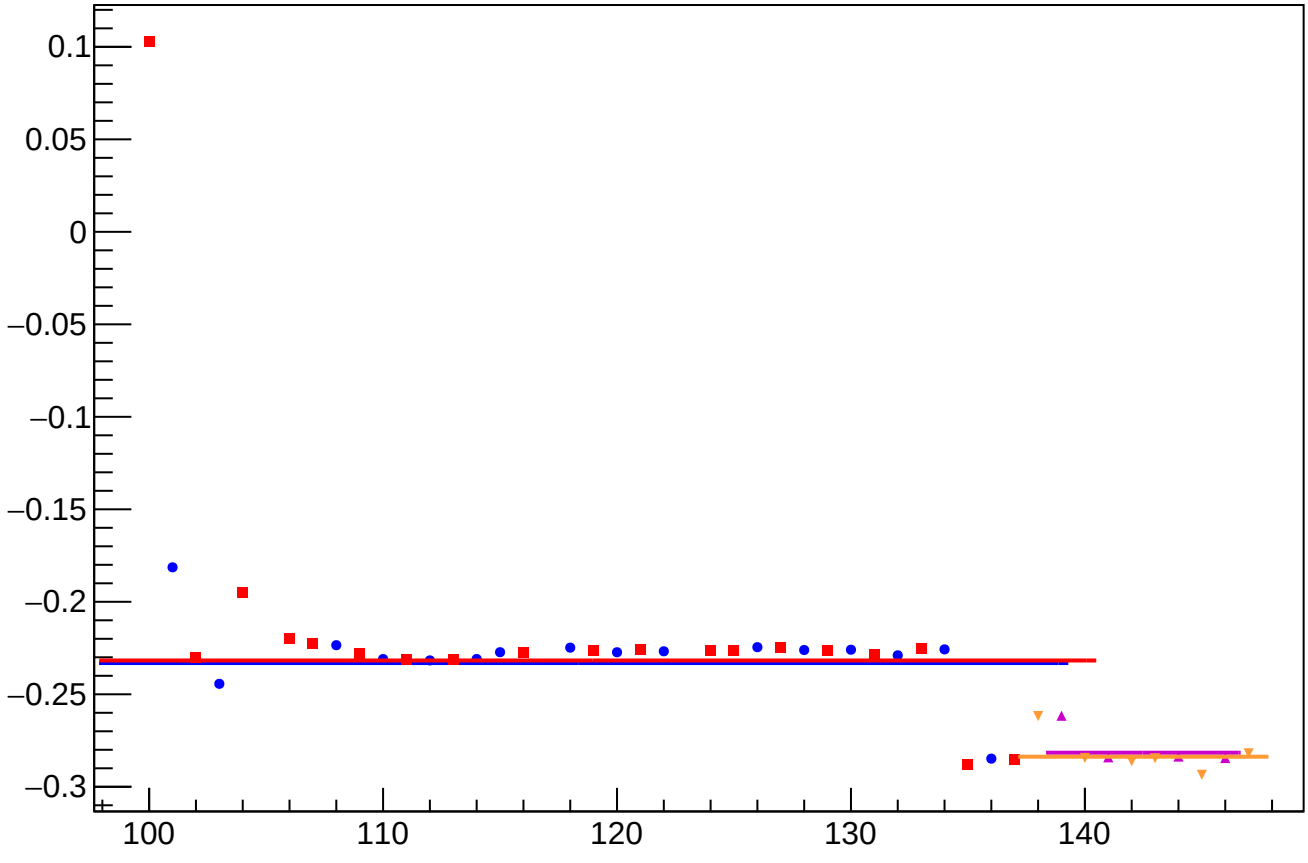
Left In: 0.010+/-0.000 χ^2/NDF:742298.3/3

+ sign 0.011+/-0.000 χ^2/NDF: 2282515.7/21

All: 0.011+/-0.000 χ^2/NDF: 5477862.6/44

- sign 0.011+/-0.000 χ^2/NDF: 3144941.1/22

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:14451958.6/5

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

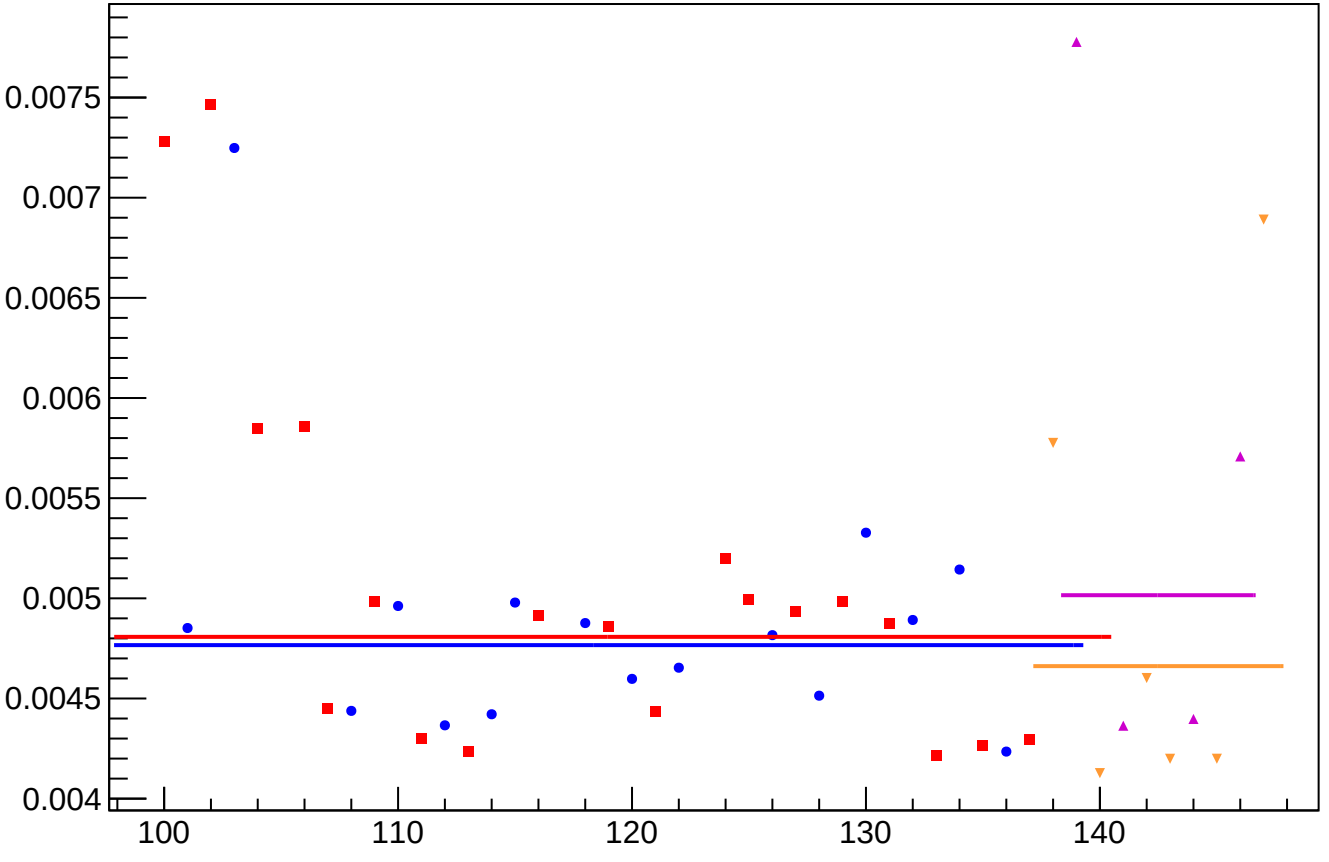
Left In: -0.282+/-0.000 χ^2/NDF:5936870.1/3

+ sign -0.253+/-0.000 χ^2/NDF: 498882804.8/21

All: -0.250+/-0.000 χ^2/NDF: 1015575948.2/4

- sign -0.247+/-0.000 χ^2/NDF: 507570235.9/22

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:283549.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

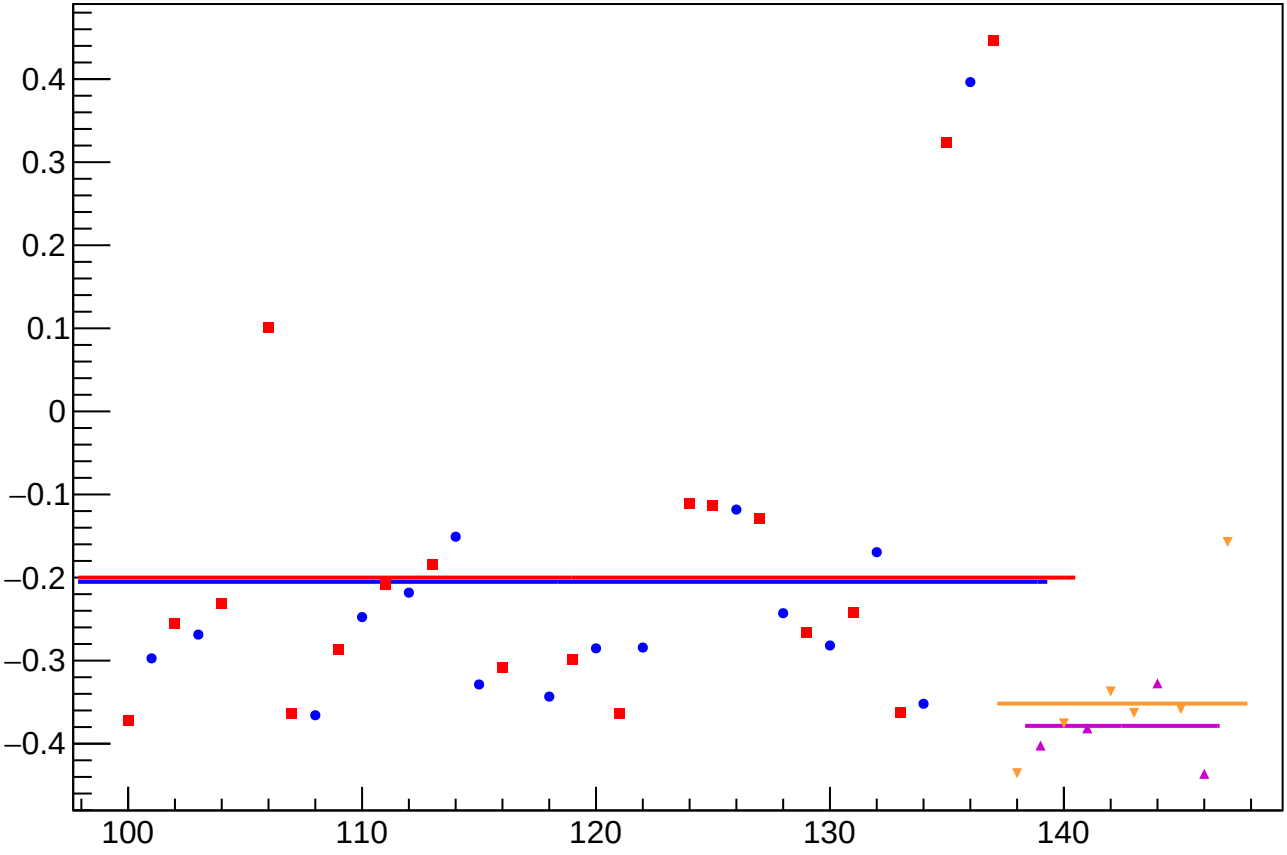
Left In: 0.005+/-0.000 χ^2/NDF:294000.8/3

+ sign 0.005+/-0.000 χ^2/NDF: 477757.6/21

All: 0.005+/-0.000 χ^2/NDF: 1082071.2/44

- sign 0.005+/-0.000 χ^2/NDF: 595196.3/22

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:919229074.2/5

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

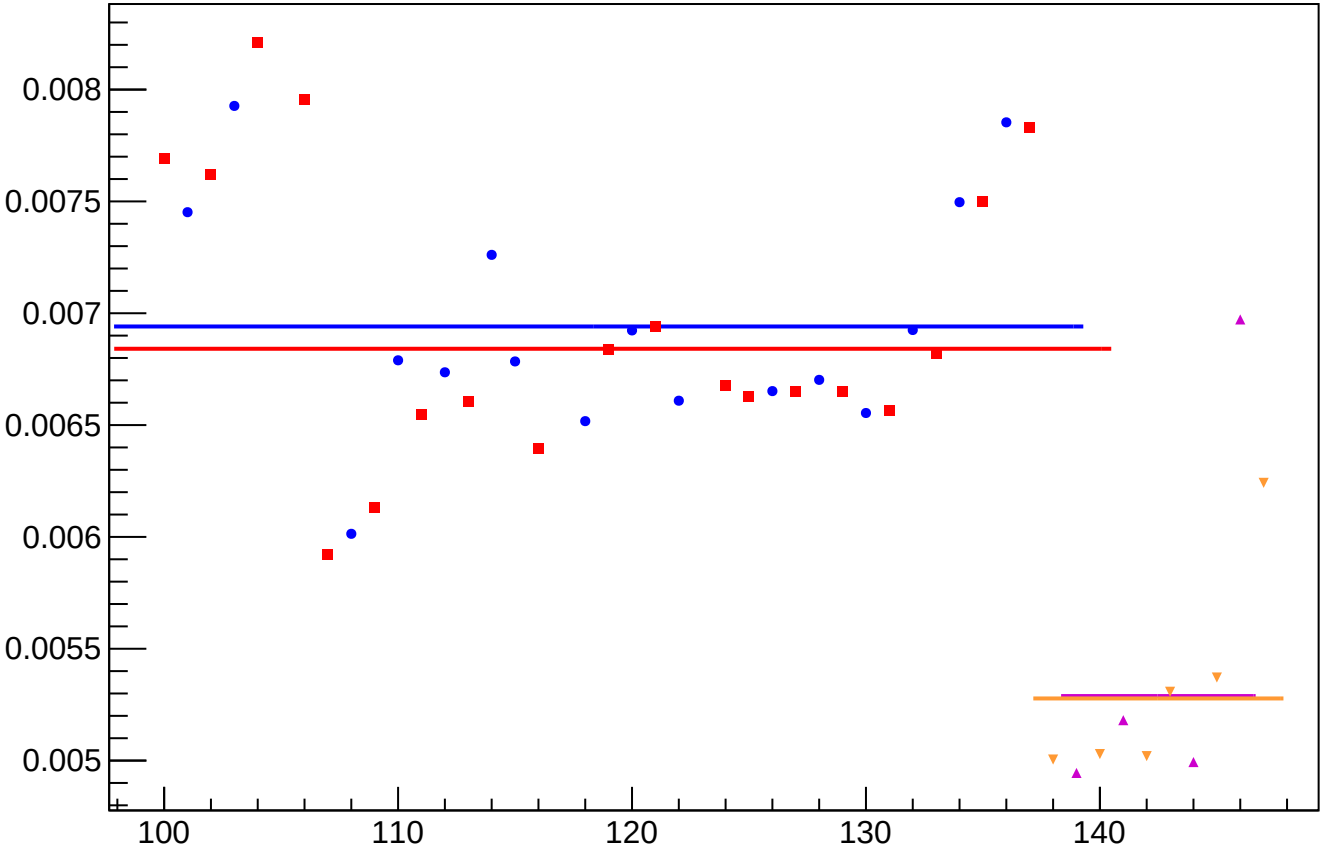
Left In: -0.379+/-0.000 χ^2/NDF:158086680.0/3

+ sign -0.279+/-0.000 χ^2/NDF: 8694229897.2/21

All: -0.278+/-0.000 χ^2/NDF: 16194539283.8/

- sign -0.276+/-0.000 χ^2/NDF: 7498919322.4/22

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:44694.2/5

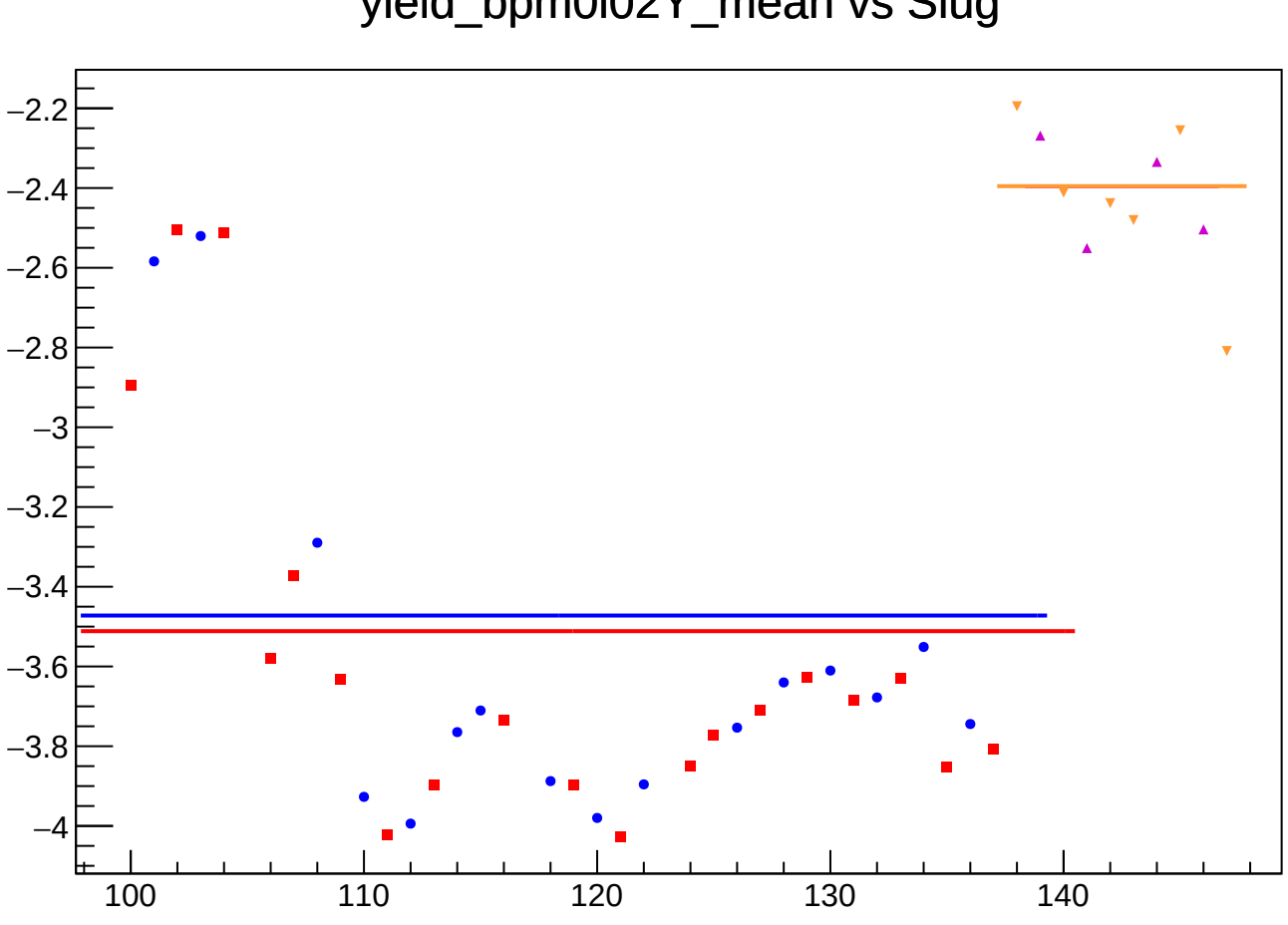
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:98872.6/3

+ sign 0.006+/-0.000 χ^2/NDF: 537961.8/21

All: 0.006+/-0.000 χ^2/NDF: 1054889.0/44

- sign 0.006+/-0.000 χ^2/NDF: 515149.2/22



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.395+/-0.000 χ^2/NDF:1185031782.1/5

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

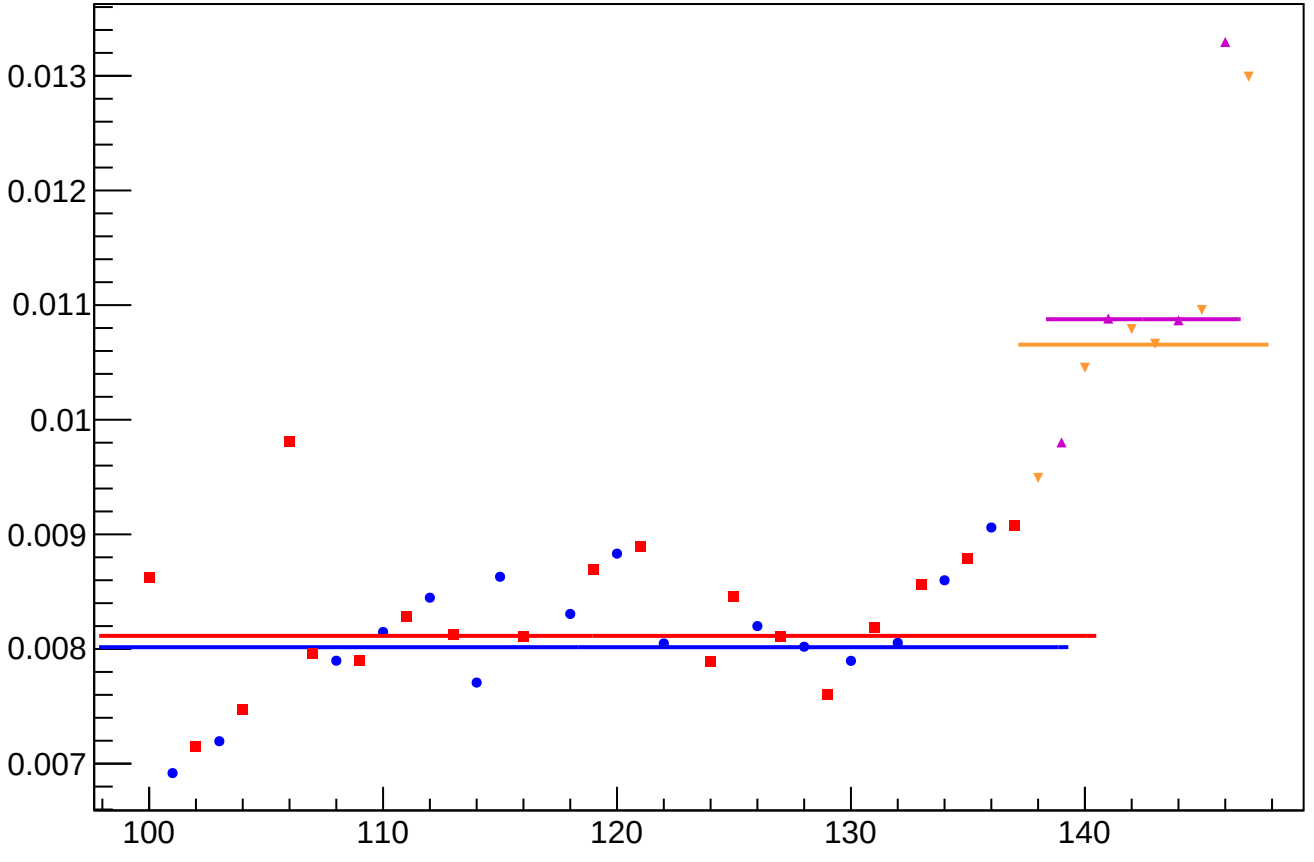
Left In: -2.396+/-0.000 χ^2/NDF:390892837.4/3

+ sign -3.201+/-0.000 χ^2/NDF: 62511909813.9/21

All: -3.242+/-0.000 χ^2/NDF: 120250474580.8

- sign -3.286+/-0.000 χ^2/NDF: 57230627199.7/22

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:67723.4/5

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

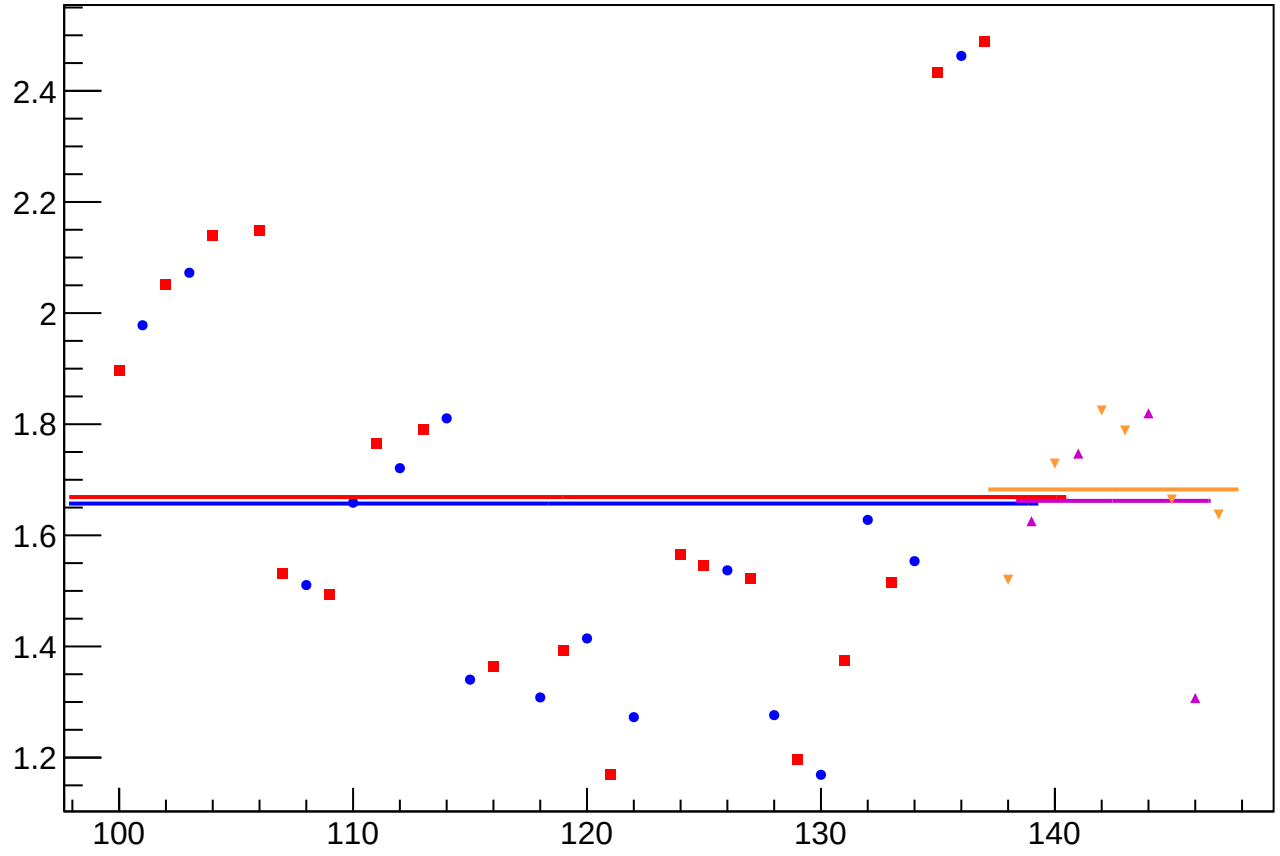
Left In: 0.011+/-0.000 χ^2/NDF:65579.1/3

+ sign 0.009+/-0.000 χ^2/NDF: 535077.9/21

All: 0.009+/-0.000 χ^2/NDF: 1004383.4/44

- sign 0.009+/-0.000 χ^2/NDF: 469296.1/22

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.683+/-0.000 χ^2/NDF:319631322.0/5

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

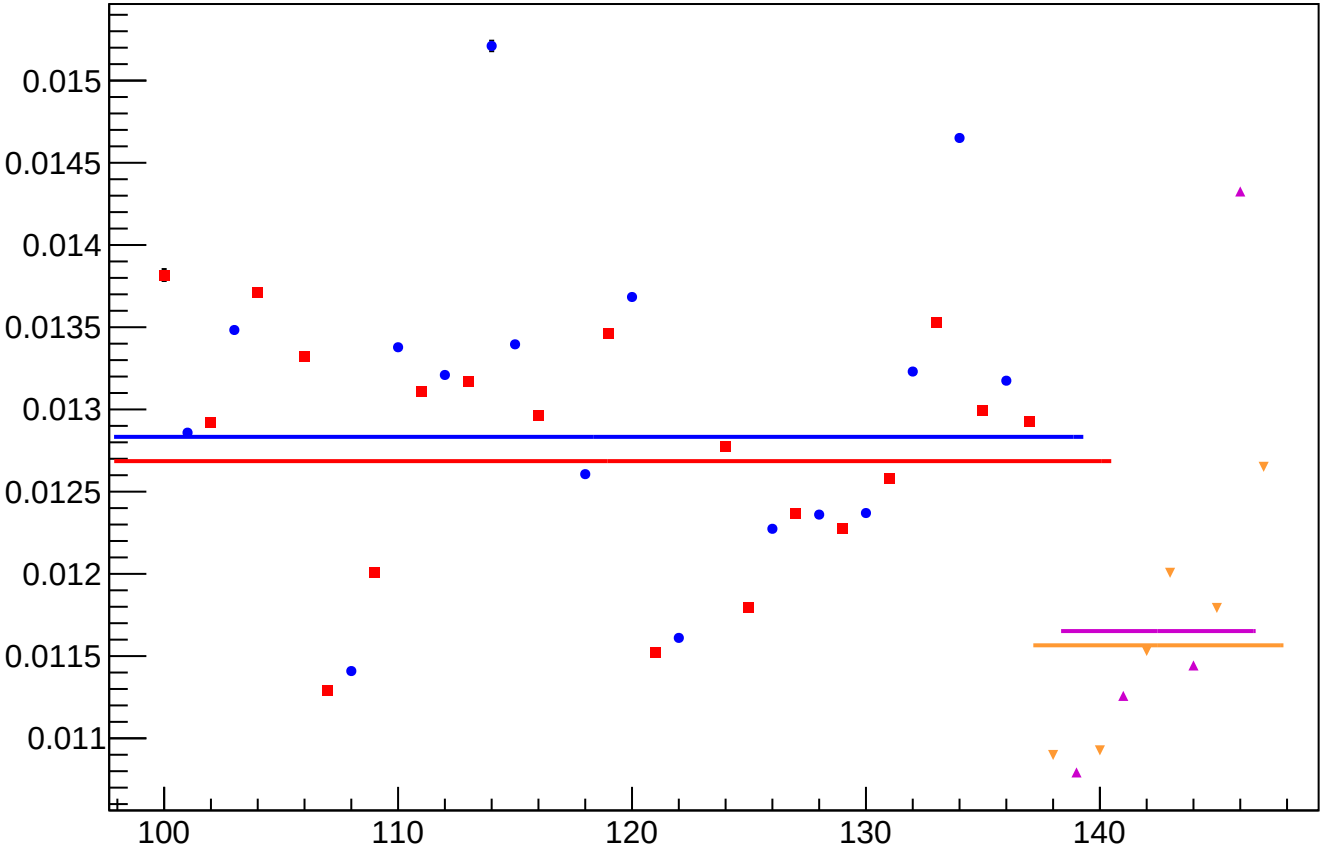
Left In: 1.662+/-0.000 χ^2/NDF:701040727.8/3

+ sign 1.668+/-0.000 χ^2/NDF: 6997577266.7/21

All: 1.667+/-0.000 χ^2/NDF: 14057033630.5/4

- sign 1.667+/-0.000 χ^2/NDF: 7059370815.2/22

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:25045.0/5

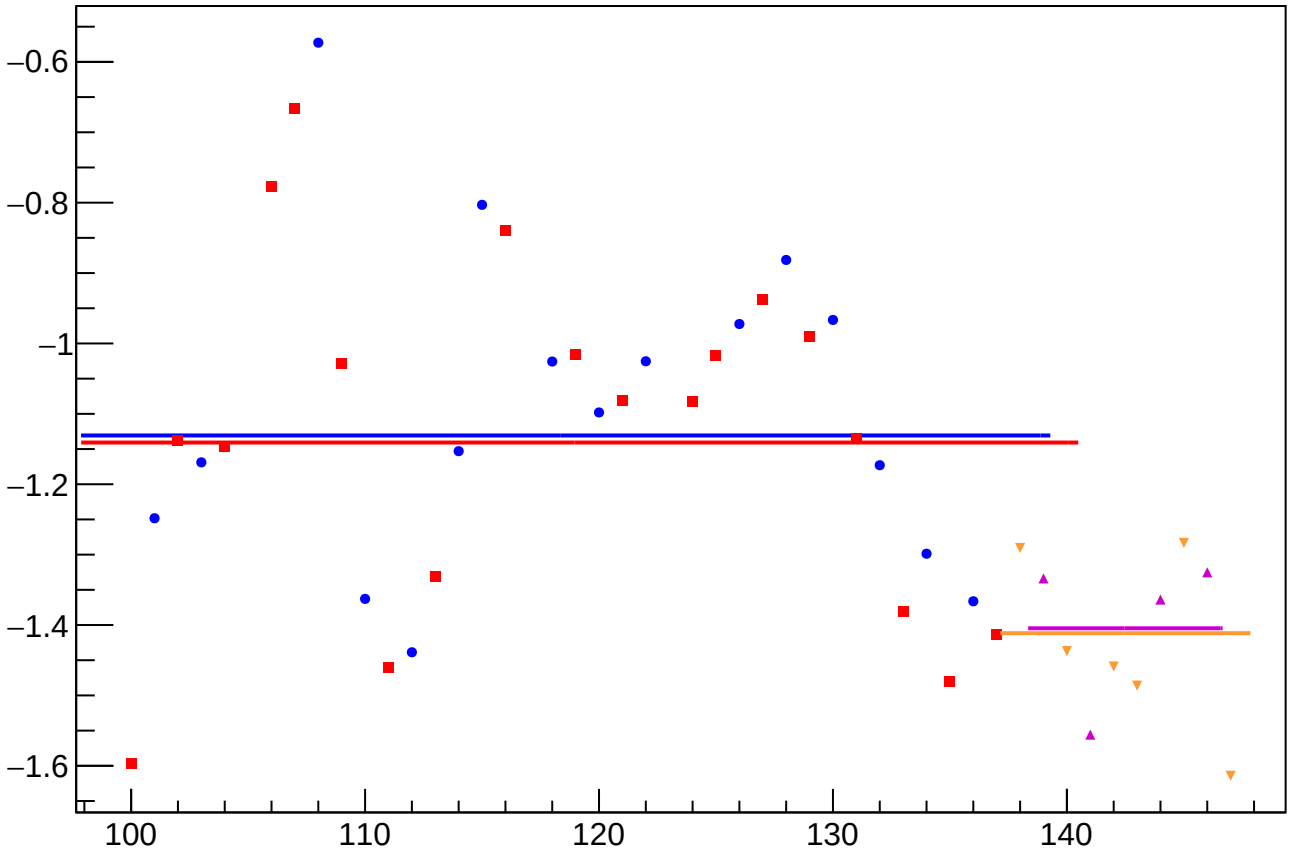
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:67643.1/3

+ sign 0.012+/-0.000 χ^2/NDF: 136279.3/21

All: 0.012+/-0.000 χ^2/NDF: 280934.9/44

- sign 0.012+/-0.000 χ^2/NDF: 144578.9/22



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.412+/-0.000 χ^2/NDF:638057650.9/5

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

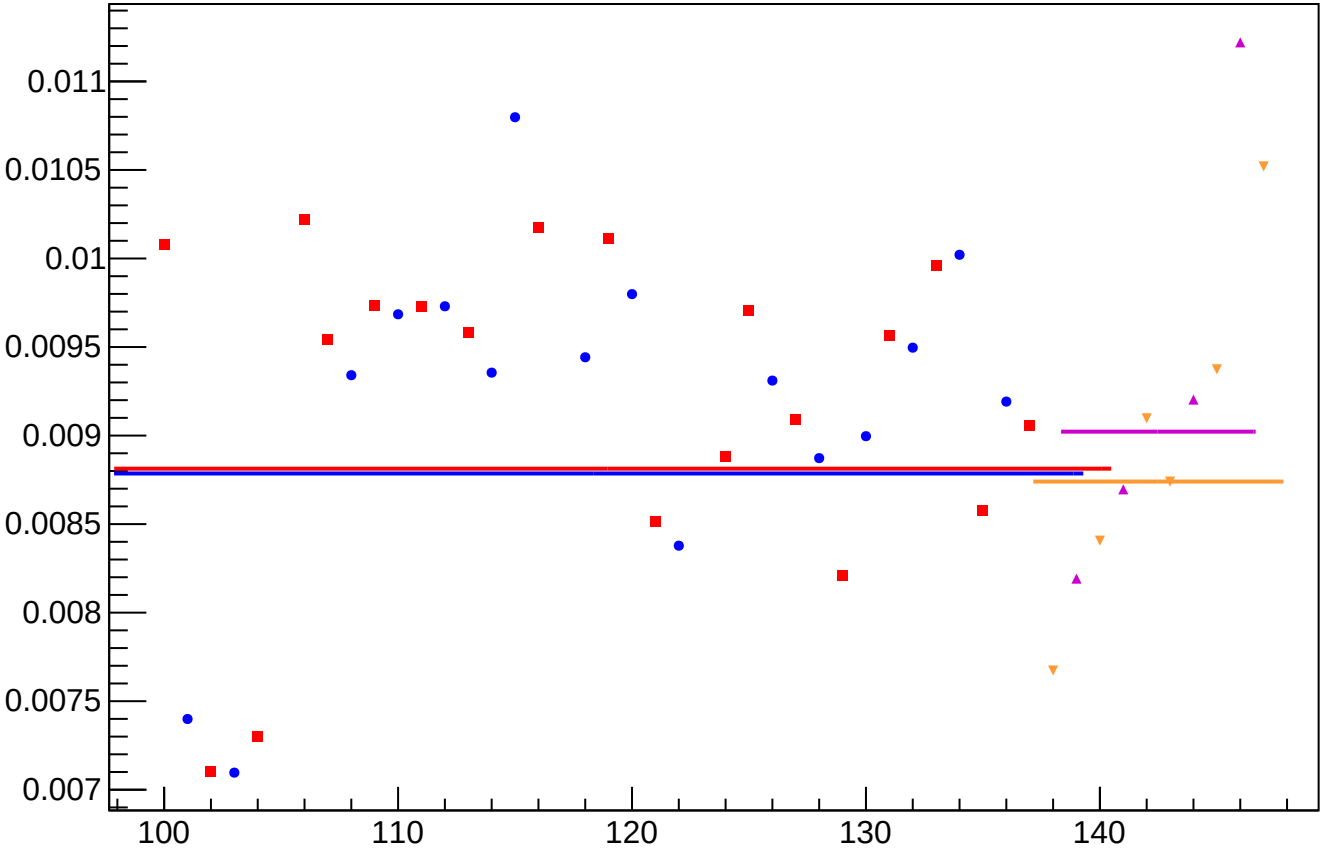
Left In: -1.405+/-0.000 χ^2/NDF:373636086.0/3

+ sign -1.237+/-0.000 χ^2/NDF: 7069066150.1/21

All: -1.229+/-0.000 χ^2/NDF: 12903441354.9/

- sign -1.221+/-0.000 χ^2/NDF: 5818560168.0/22

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:77218.8/5

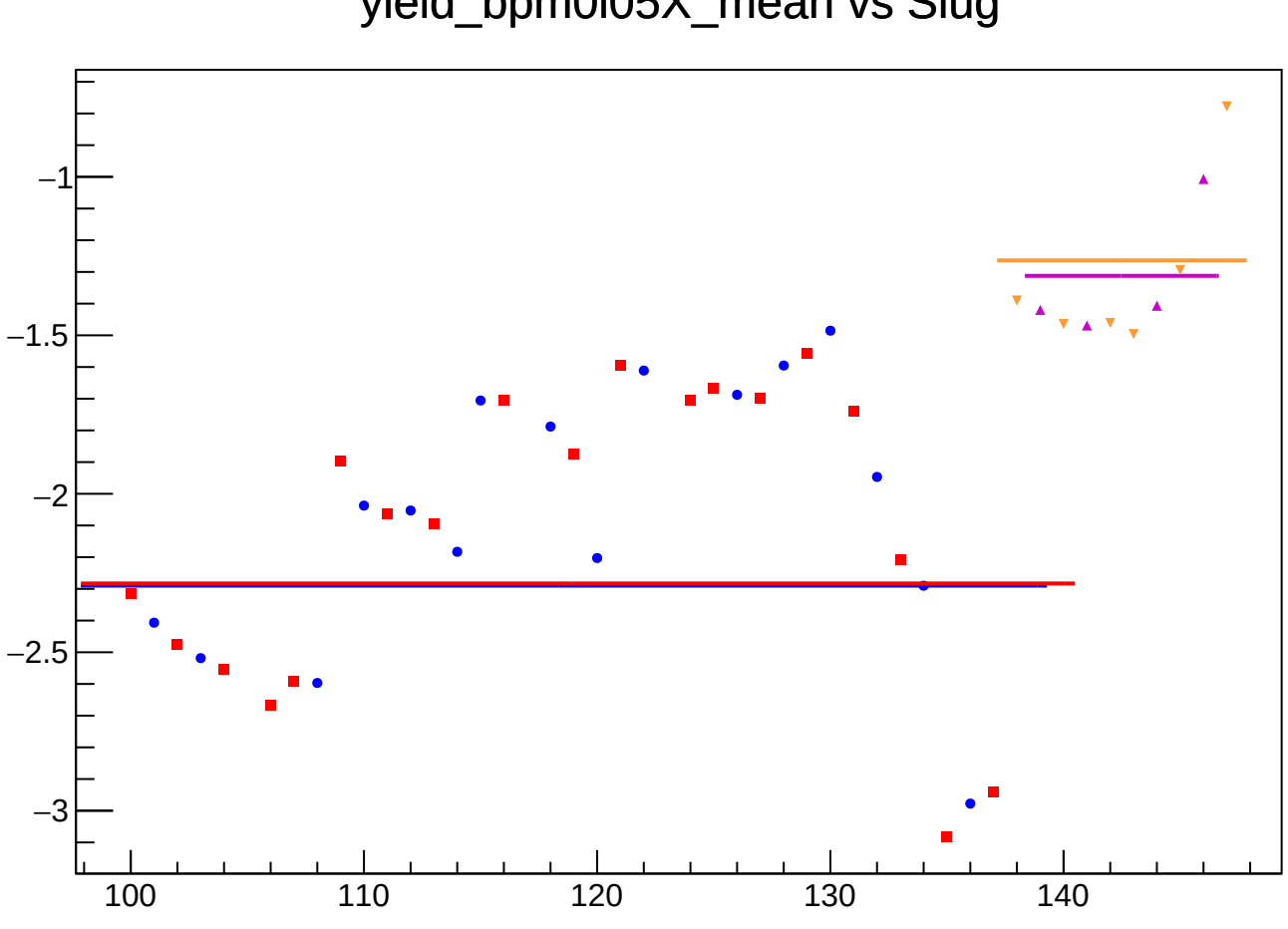
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:73298.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 250835.7/21

All: 0.009+/-0.000 χ^2/NDF: 532548.7/44

- sign 0.009+/-0.000 χ^2/NDF: 280126.4/22



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.264+/-0.000 χ^2/NDF:4216441781.2/5

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

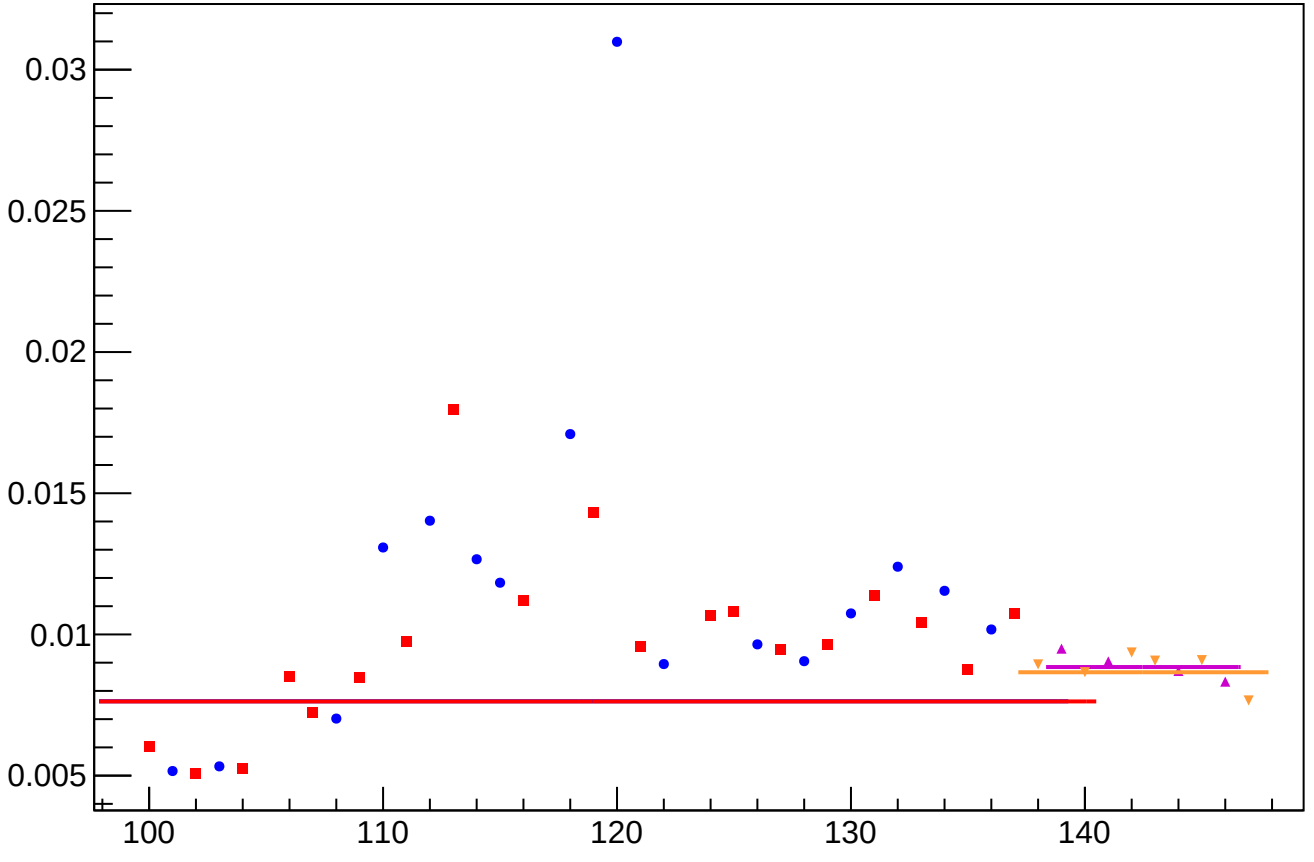
Left In: -1.312+/-0.000 χ^2/NDF:1501269055.7/3

+ sign -1.903+/-0.000 χ^2/NDF: 54061549276.4/21

All: -1.948+/-0.000 χ^2/NDF: 99907168398.1/

- sign -1.994+/-0.000 χ^2/NDF: 45277550468.3/22

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:37386.6/5

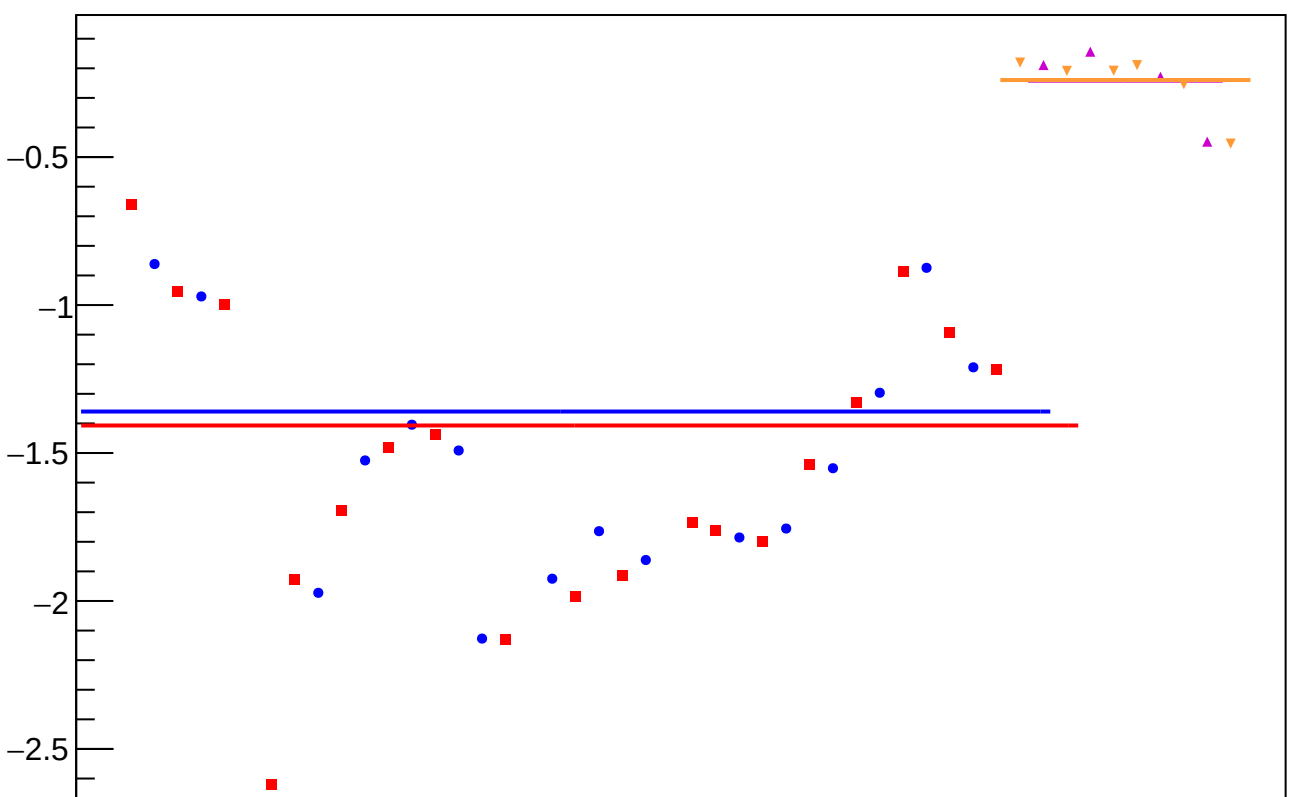
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:14273.7/3

+ sign 0.008+/-0.000 χ^2/NDF: 1817661.1/21

All: 0.008+/-0.000 χ^2/NDF: 3234022.4/44

- sign 0.008+/-0.000 χ^2/NDF: 1416239.8/22



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.240+/-0.000 χ^2/NDF:1552102129.4/5

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

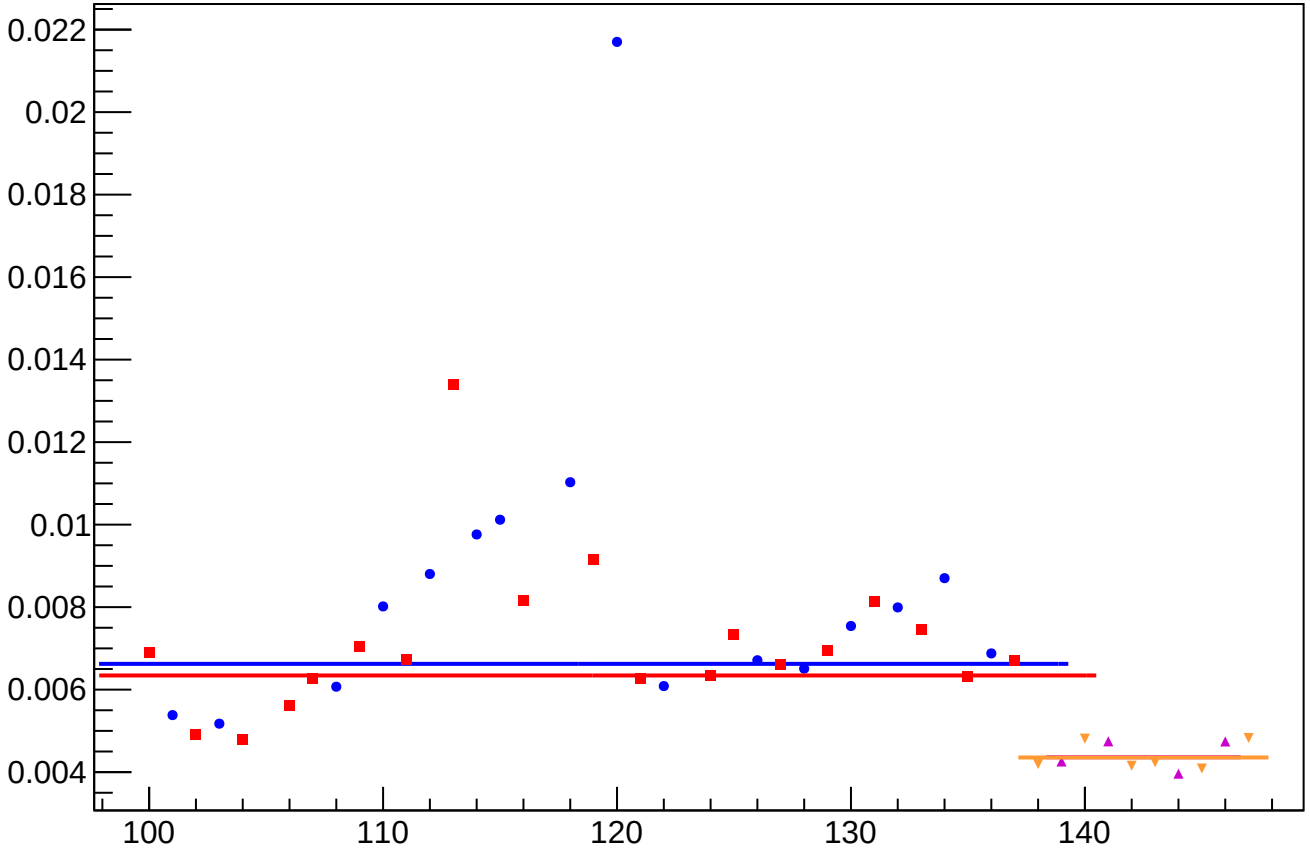
Left In: -0.242+/-0.000 χ^2/NDF:1824771054.8/3

+ sign -0.672+/-0.000 χ^2/NDF: 124714508541.4/21

All: -0.734+/-0.000 χ^2/NDF: 266636257890.3

- sign -0.800+/-0.000 χ^2/NDF: 139211518869.8/22

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:37116.5/5

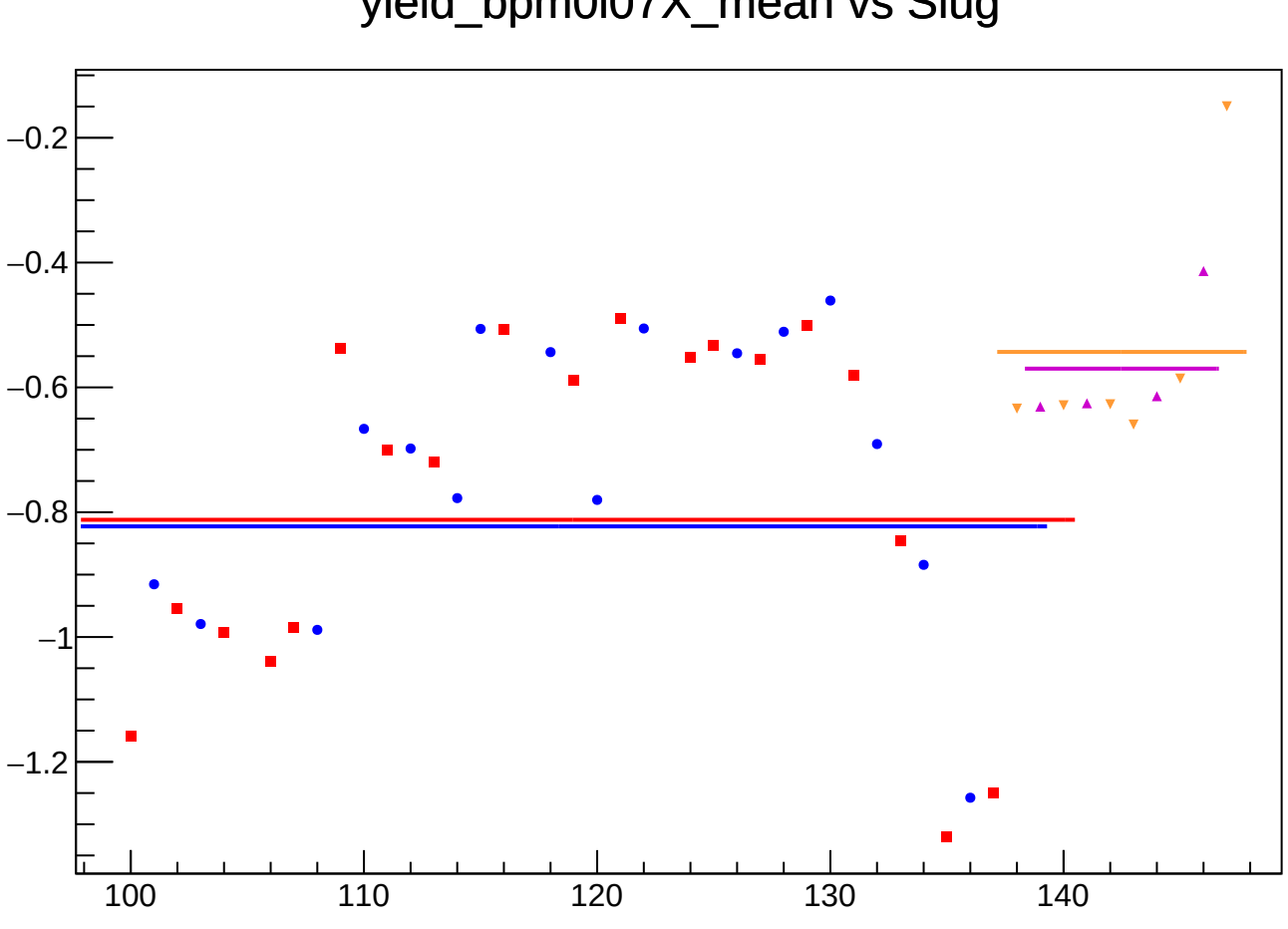
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:37905.5/3

+ sign 0.005+/-0.000 χ^2/NDF: 1565675.5/21

All: 0.005+/-0.000 χ^2/NDF: 2757109.5/44

- sign 0.005+/-0.000 χ^2/NDF: 1189301.8/22



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.543+/-0.000 χ^2/NDF:3479569497.2/5

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

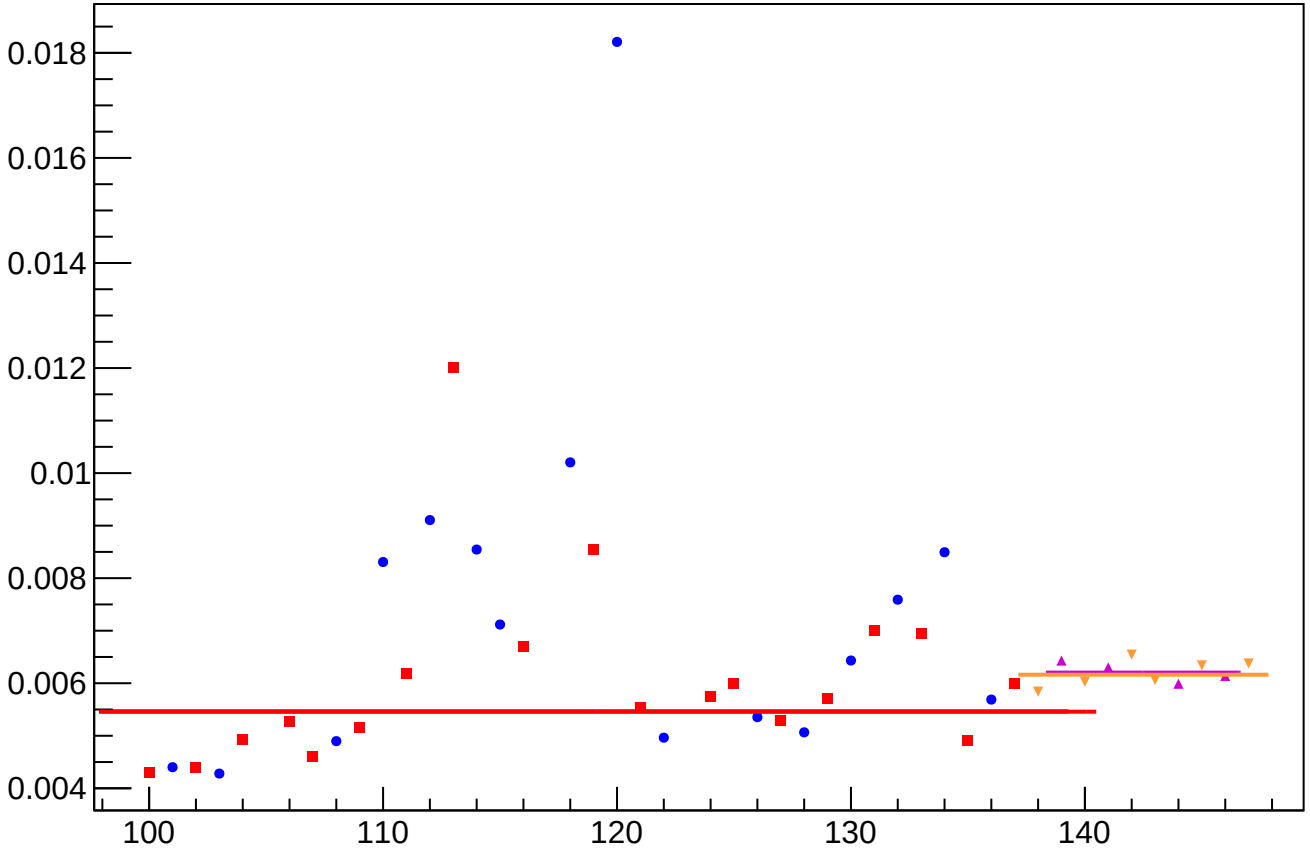
Left In: -0.570+/-0.000 χ^2/NDF:672064725.4/3

+ sign -0.723+/-0.000 χ^2/NDF: 20868959804.1/21

All: -0.733+/-0.000 χ^2/NDF: 39812784371.9/

- sign -0.743+/-0.000 χ^2/NDF: 18886479932.4/22

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:10422.0/5

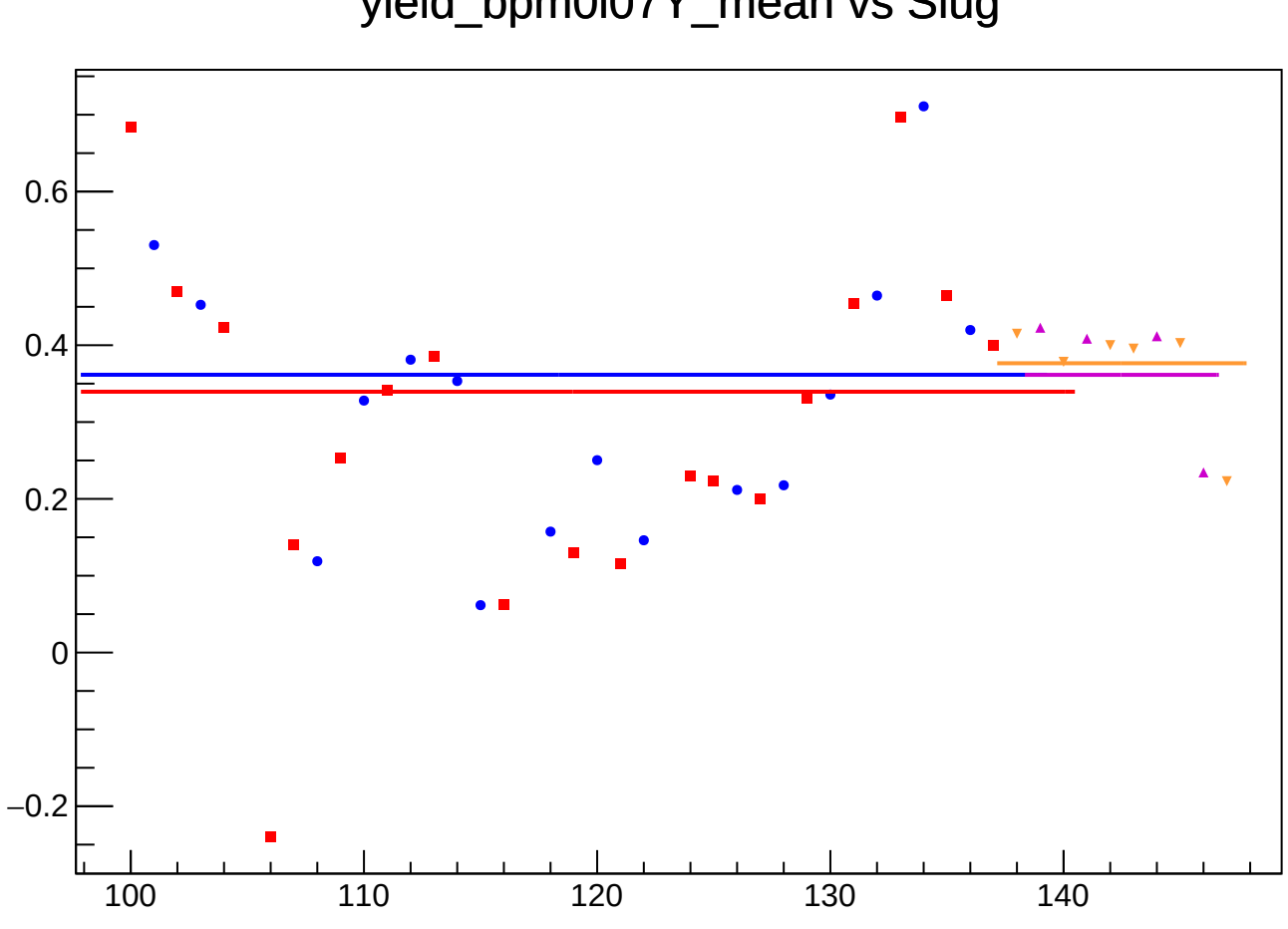
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4446.7/3

+ sign 0.006+/-0.000 χ^2/NDF: 1036466.0/21

All: 0.006+/-0.000 χ^2/NDF: 1613190.5/44

- sign 0.006+/-0.000 χ^2/NDF: 576225.2/22



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.377+/-0.000 χ^2/NDF:787830769.5/5

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

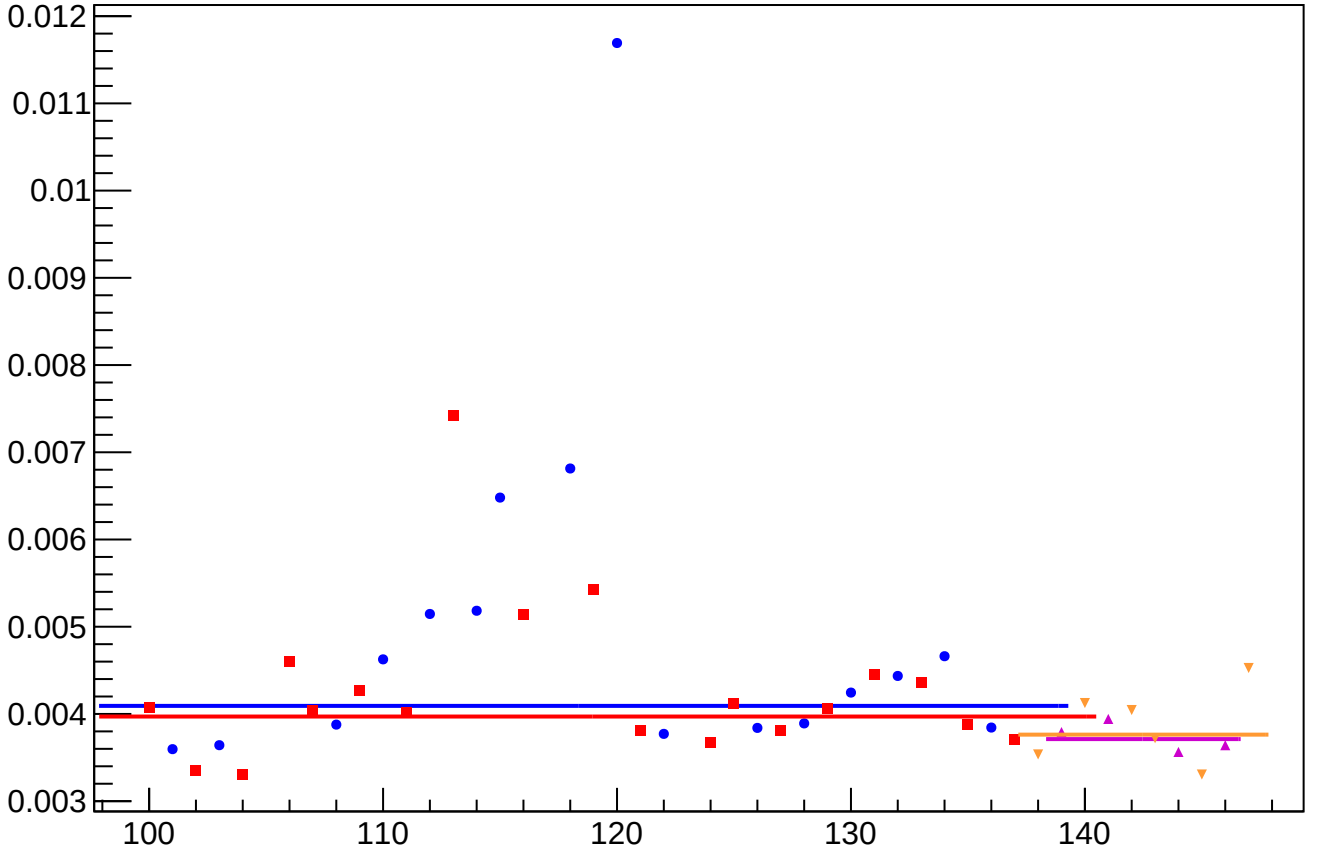
Left In: 0.361+/-0.000 χ^2/NDF:1187996519.3/3

+ sign 0.367+/-0.000 χ^2/NDF: 9594014385.8/21

All: 0.357+/-0.000 χ^2/NDF: 23040777842.7/4

- sign 0.346+/-0.000 χ^2/NDF: 13319216003.2/22

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:72070.4/5

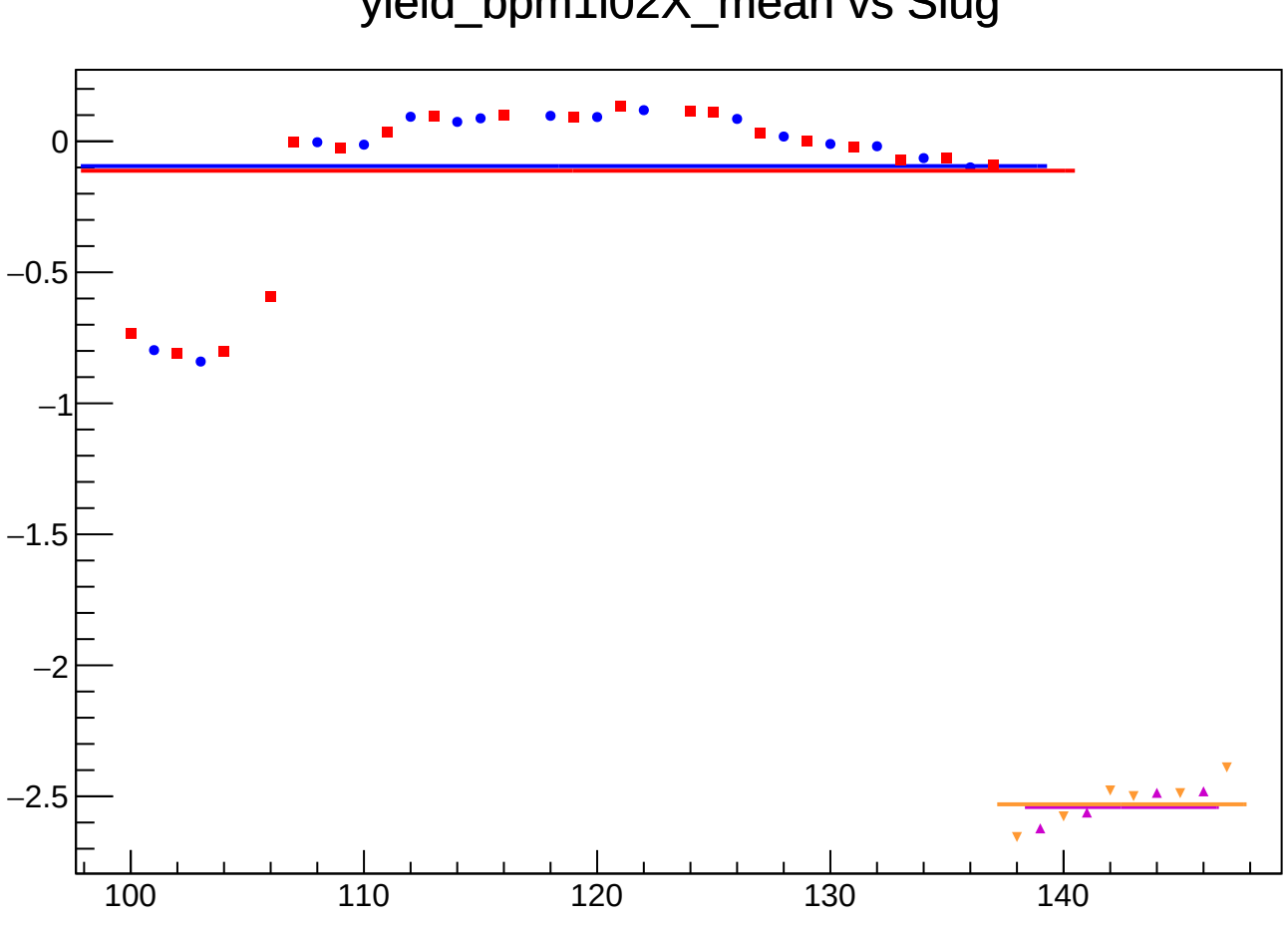
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:7029.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 593117.9/21

All: 0.004+/-0.000 χ^2/NDF: 933962.9/44

- sign 0.004+/-0.000 χ^2/NDF: 337217.0/22



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.531+/-0.000 χ^2/NDF:145741097.0/5

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

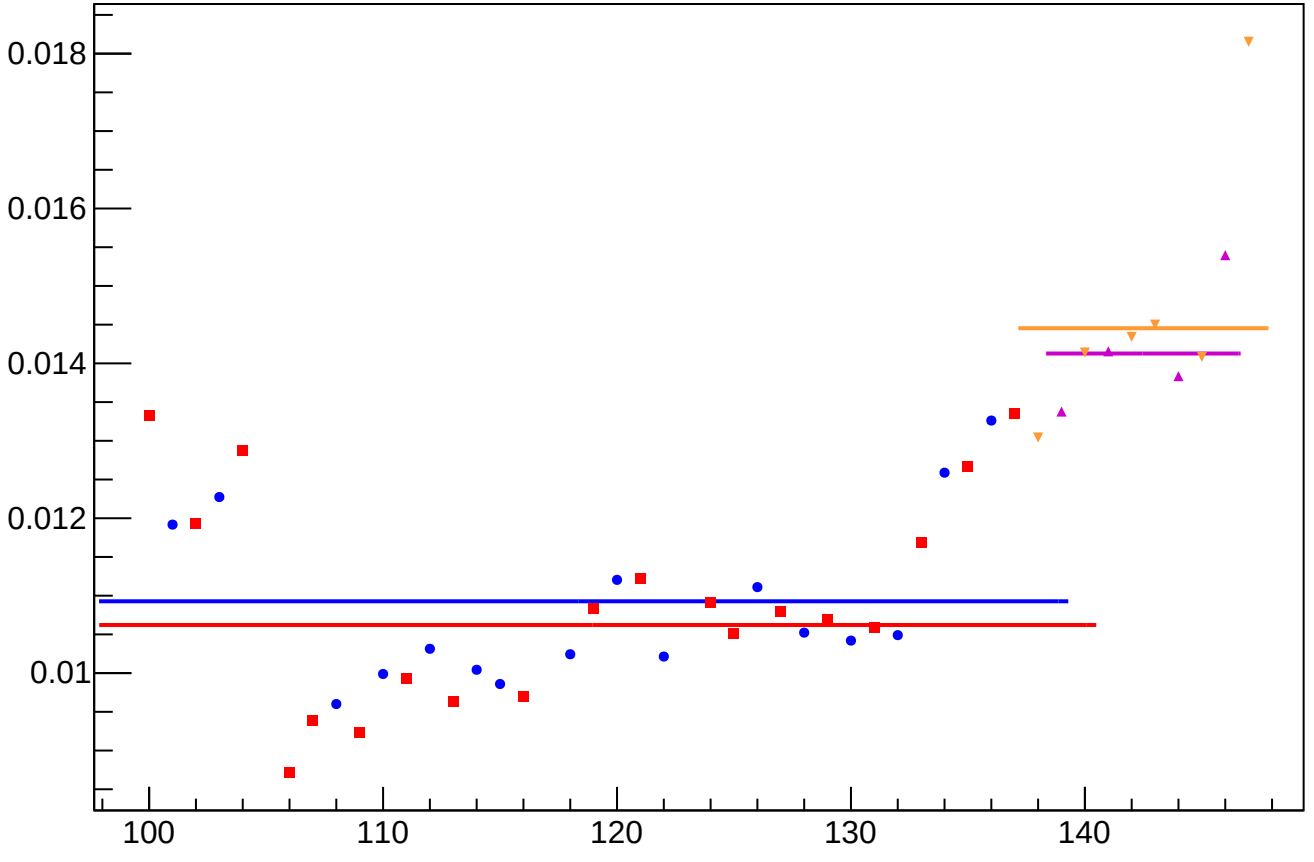
Left In: -2.541+/-0.000 χ^2/NDF:60309940.9/3

+ sign -0.733+/-0.000 χ^2/NDF: 98434825766.2/21

All: -0.679+/-0.000 χ^2/NDF: 186642564292.3

- sign -0.626+/-0.000 χ^2/NDF: 87734174355.8/22

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:88156.2/5

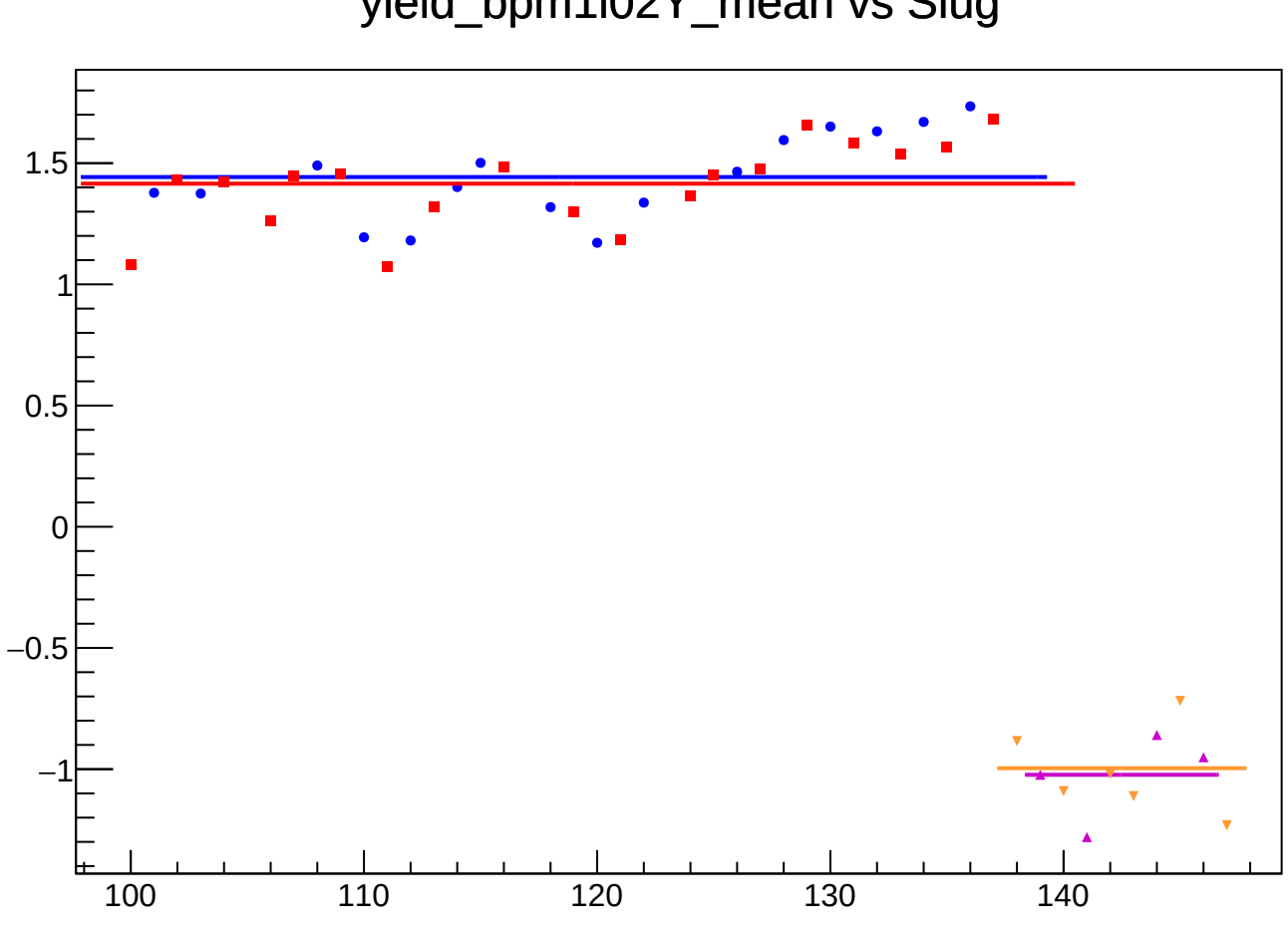
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:18187.8/3

+ sign 0.012+/-0.000 χ^2/NDF: 613585.1/21

All: 0.012+/-0.000 χ^2/NDF: 1181541.1/44

- sign 0.011+/-0.000 χ^2/NDF: 548353.4/22



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.996+/-0.000 χ^2/NDF:1147968406.9/5

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

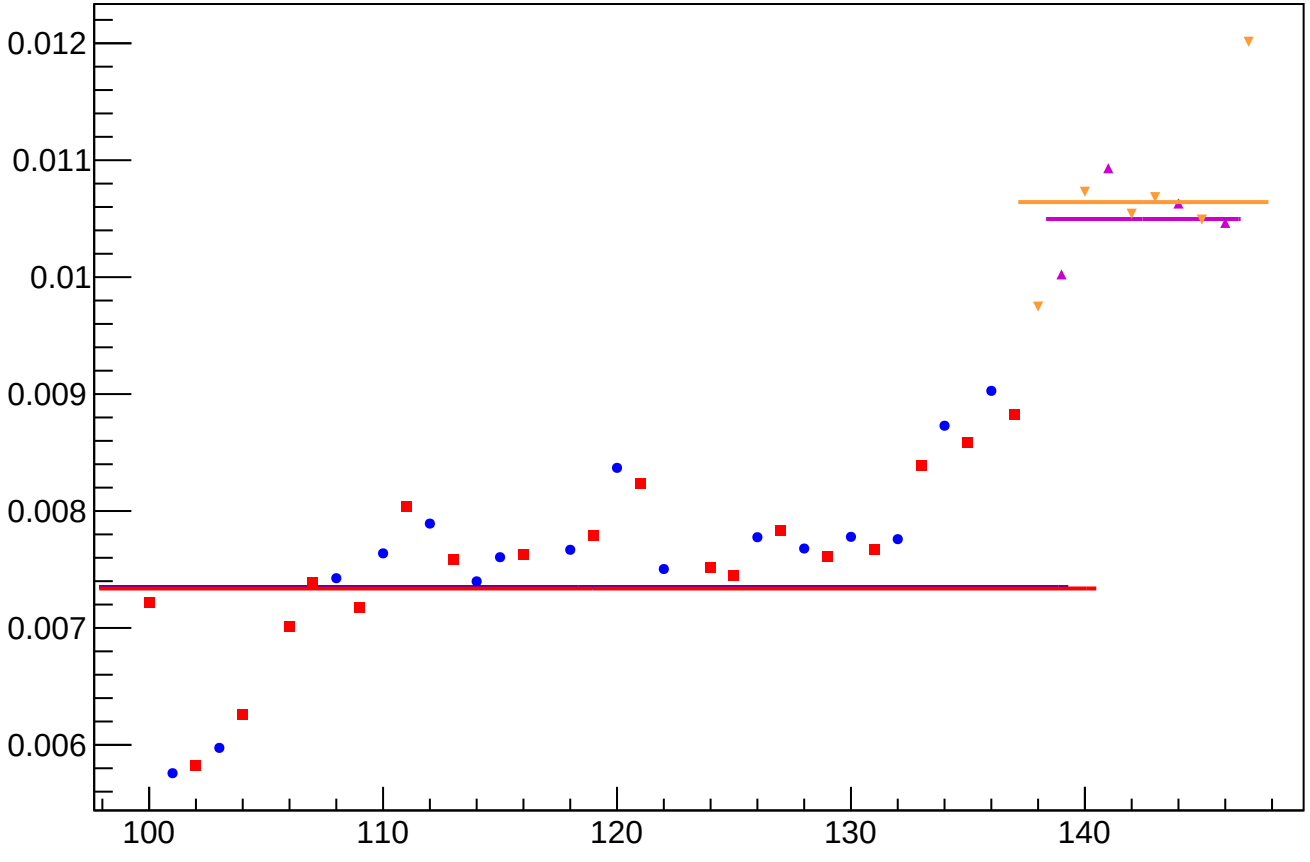
Left In: -1.023+/-0.000 χ^2/NDF:744487235.0/3

+ sign 0.876+/-0.000 χ^2/NDF: 185641162018.4/21

All: 0.915+/-0.000 χ^2/NDF: 343496345711.7

- sign 0.955+/-0.000 χ^2/NDF: 157329690607.7/22

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:35072.8/5

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

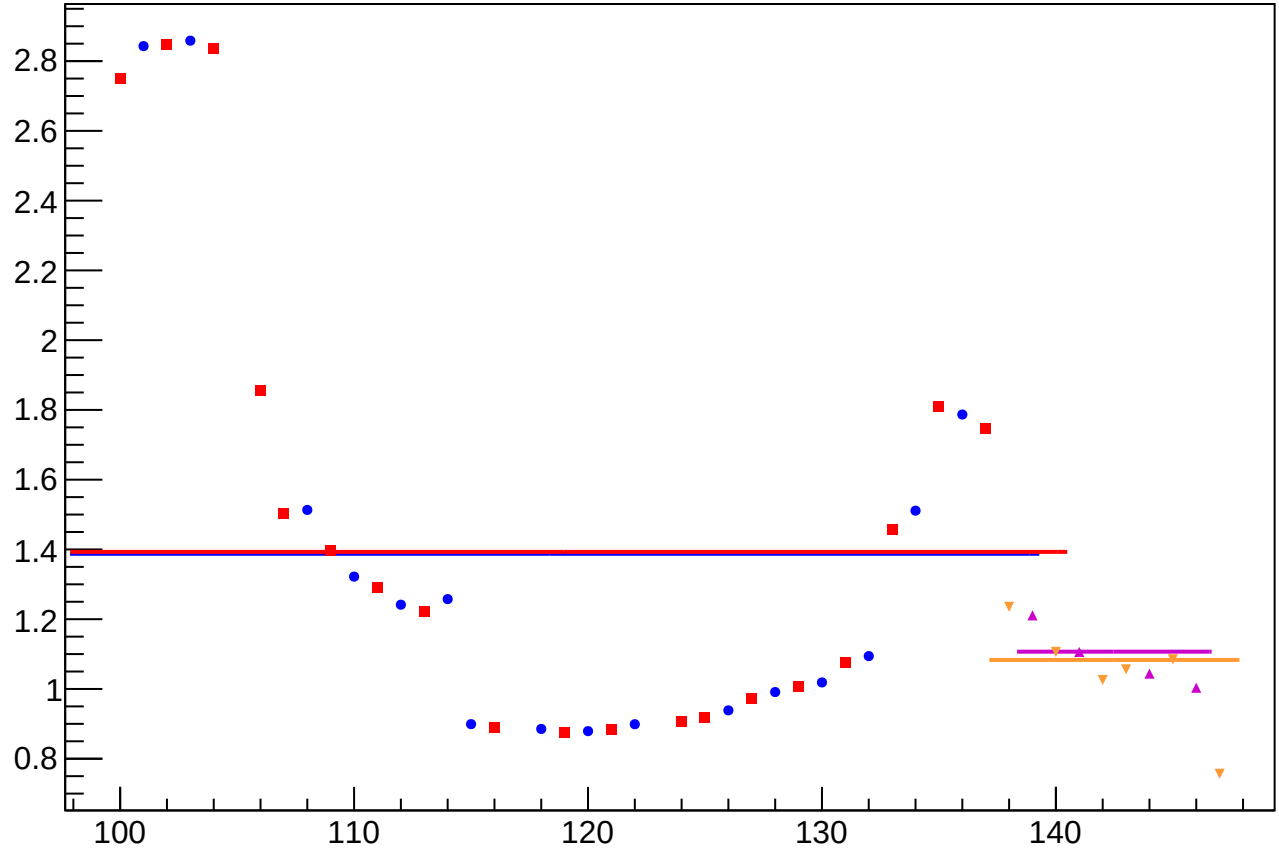
Left In: 0.010+/-0.000 χ^2/NDF:6852.6/3

+ sign 0.008+/-0.000 χ^2/NDF: 964835.4/21

All: 0.008+/-0.000 χ^2/NDF: 1688924.3/44

- sign 0.008+/-0.000 χ^2/NDF: 718594.5/22

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.083+/-0.000 χ^2/NDF:932189404.2/5

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

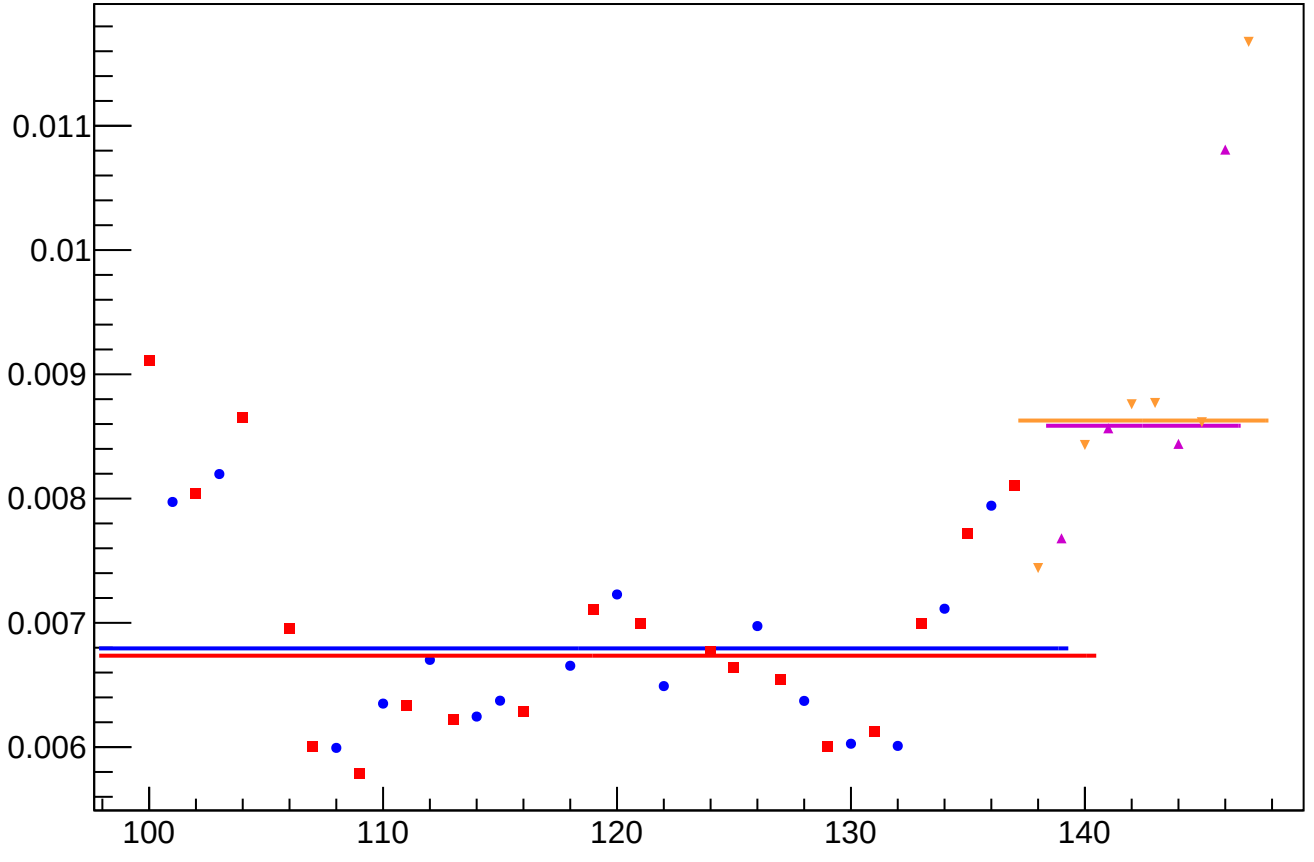
Left In: 1.107+/-0.000 χ^2/NDF:274588346.0/3

+ sign 1.305+/-0.000 χ^2/NDF: 63403482102.8/21

All: 1.318+/-0.000 χ^2/NDF: 122002330485.3

- sign 1.331+/-0.000 χ^2/NDF: 58530637213.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:141493.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

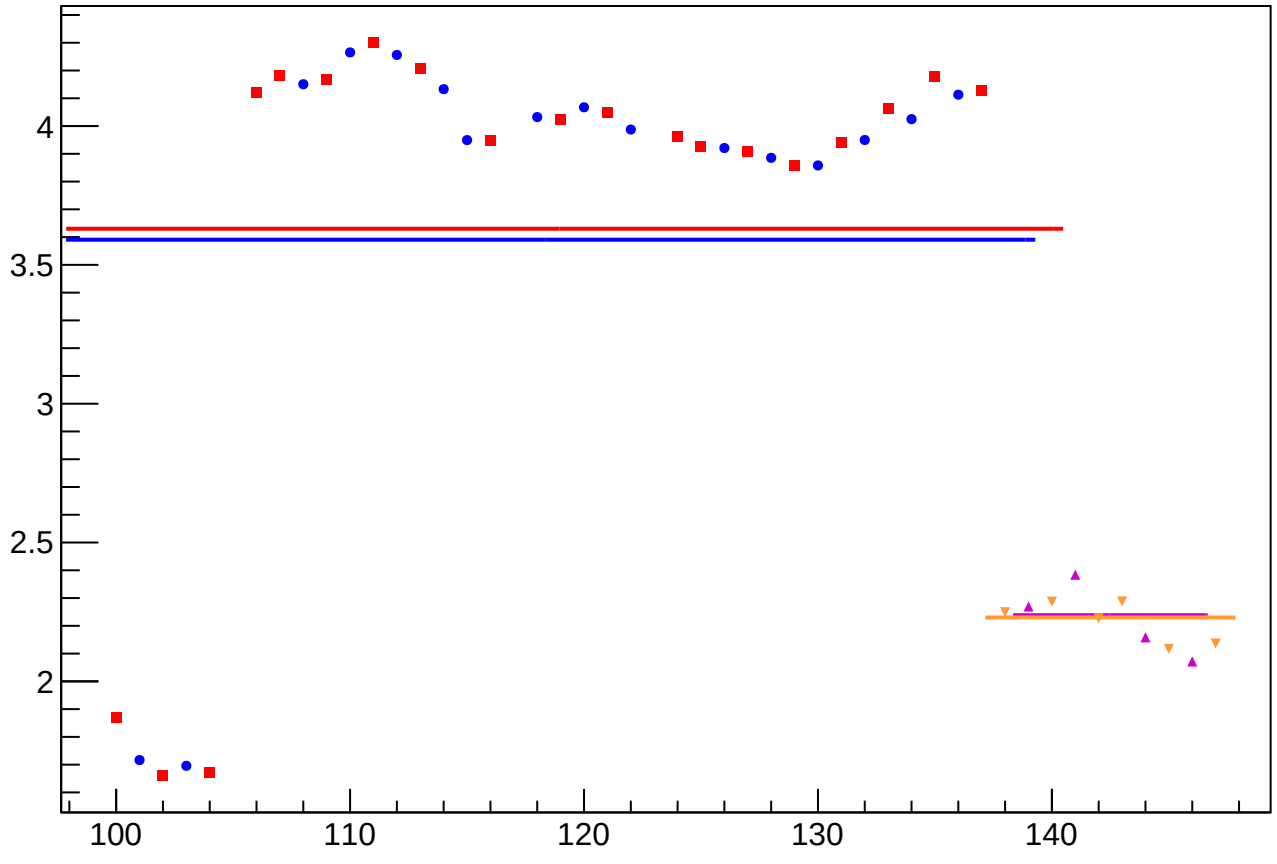
Left In: 0.009+/-0.000 χ^2/NDF:90075.7/3

+ sign 0.007+/-0.000 χ^2/NDF: 586095.3/21

All: 0.007+/-0.000 χ^2/NDF: 1121327.6/44

- sign 0.007+/-0.000 χ^2/NDF: 530384.7/22

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.230+/-0.000 χ^2/NDF:315075726.3/5

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

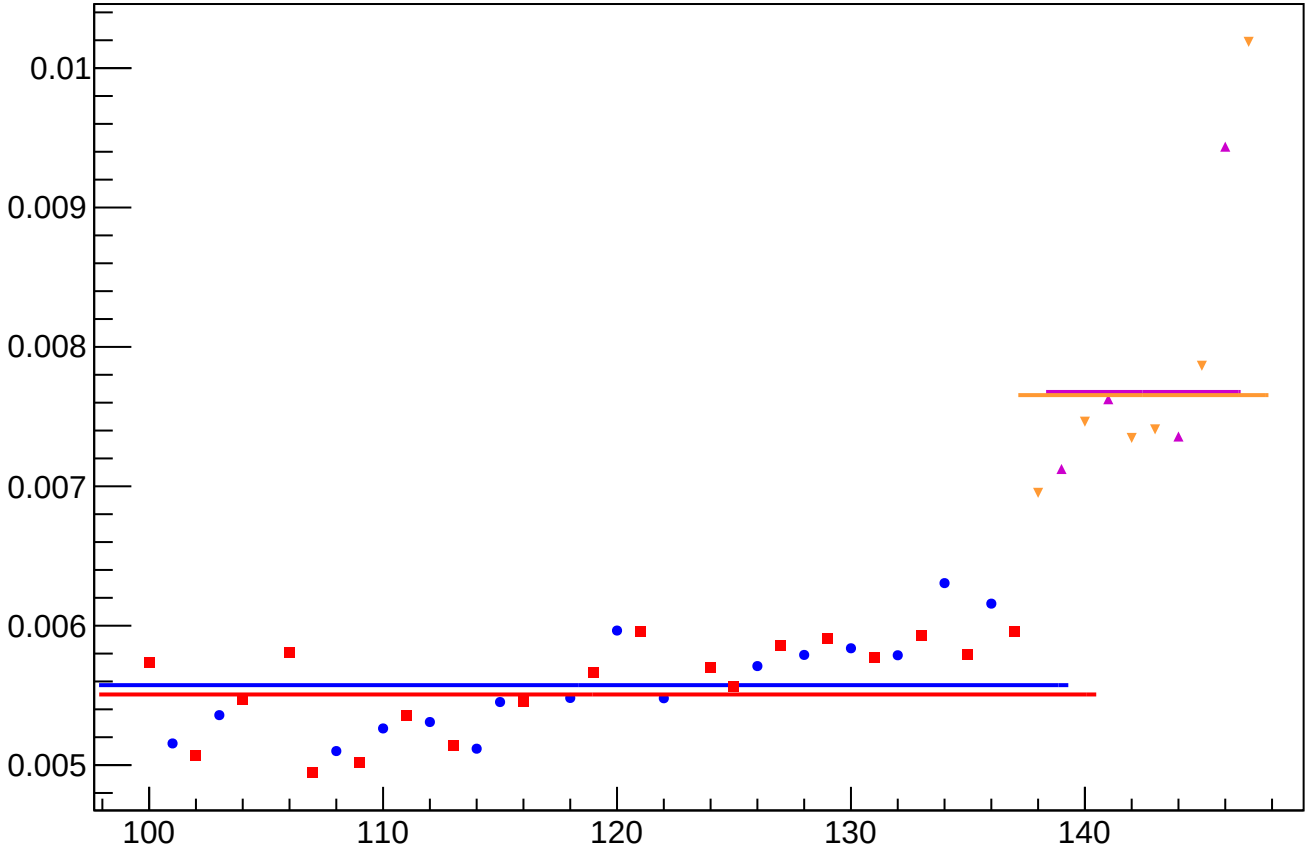
Left In: 2.238+/-0.000 χ^2/NDF:679491853.0/3

+ sign 3.266+/-0.000 χ^2/NDF: 304401858554.9/21

All: 3.315+/-0.000 χ^2/NDF: 607780262073.8

- sign 3.366+/-0.000 χ^2/NDF: 301889495674.6/22

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:110024.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

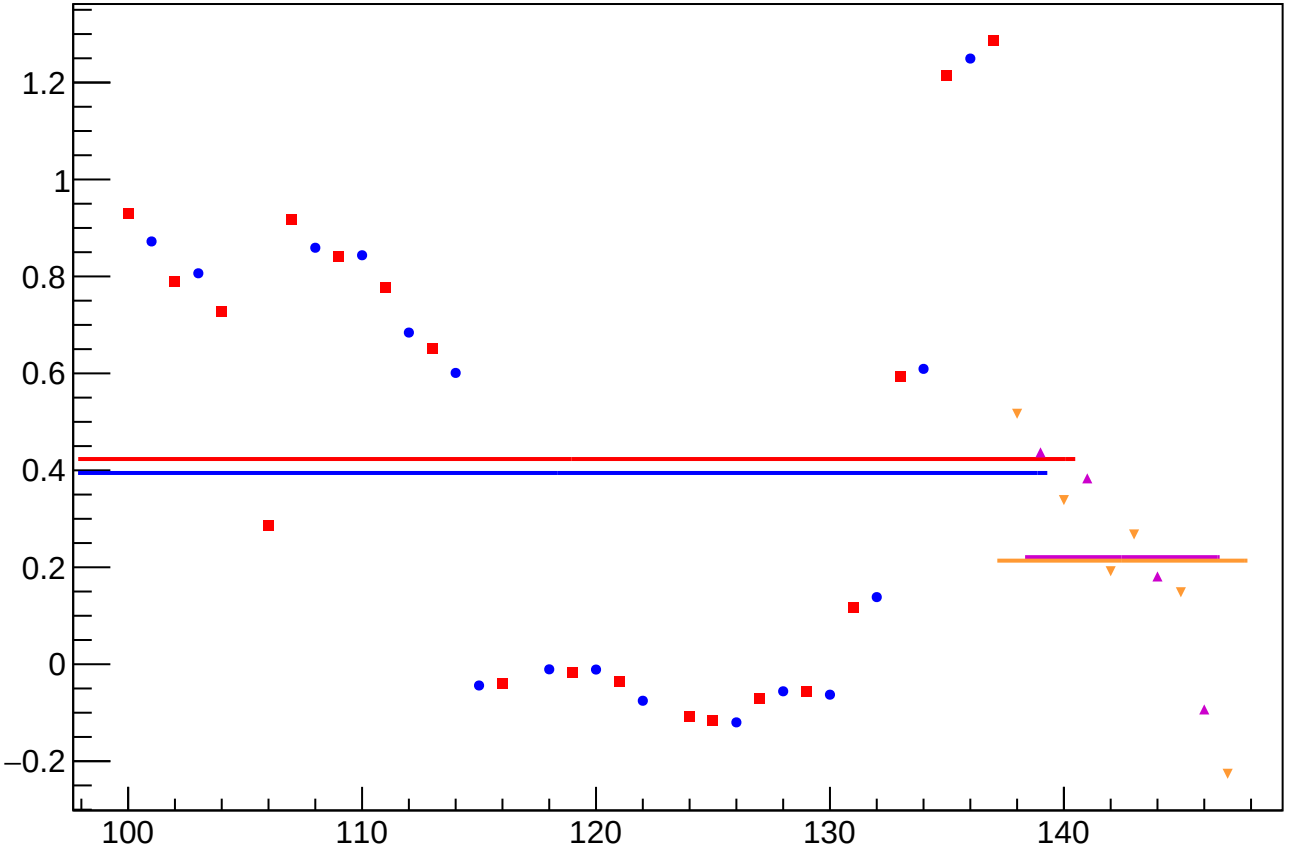
Left In: 0.008+/-0.000 χ^2/NDF:66675.0/3

+ sign 0.006+/-0.000 χ^2/NDF: 645688.1/21

All: 0.006+/-0.000 χ^2/NDF: 1207558.7/44

- sign 0.006+/-0.000 χ^2/NDF: 555035.9/22

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.214+/-0.000 χ^2/NDF:875129578.9/5

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

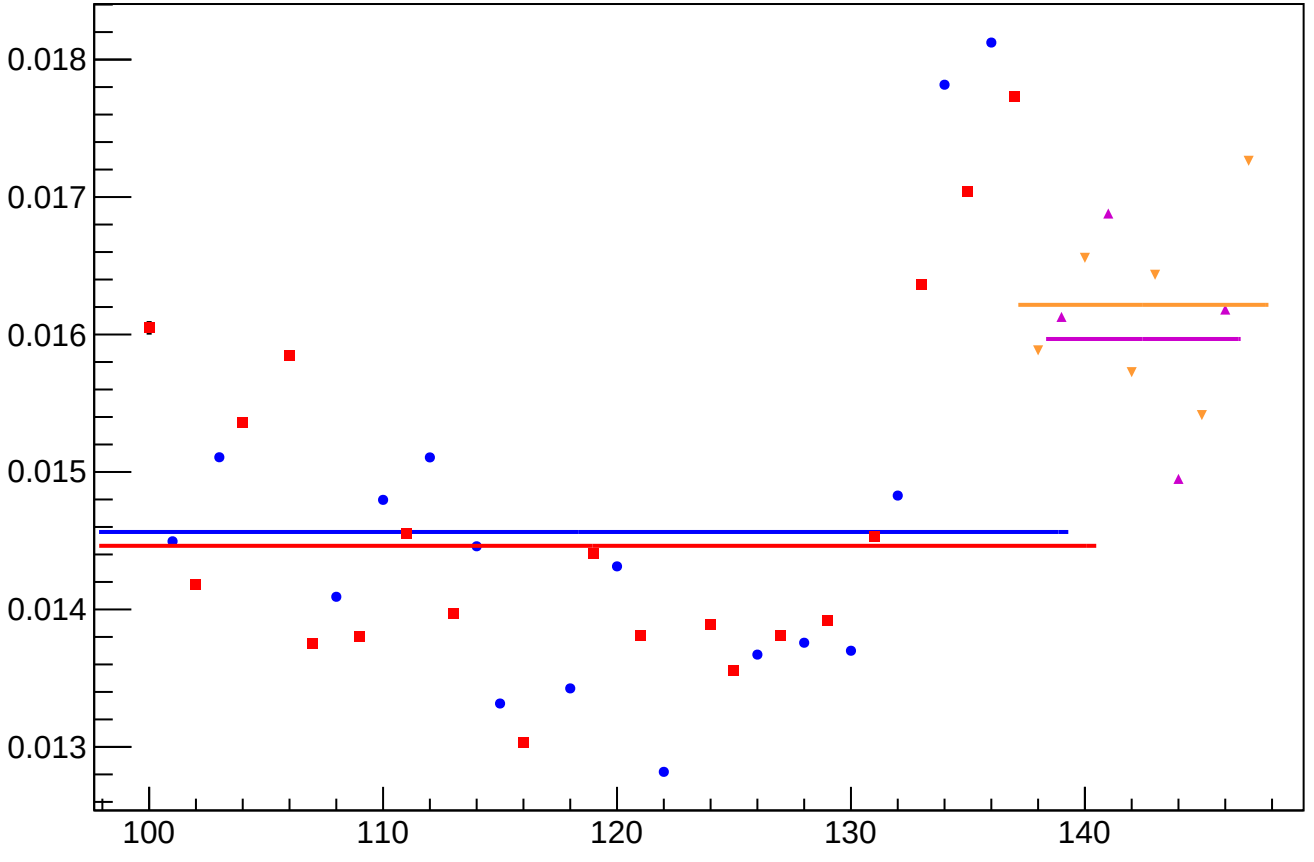
Left In: 0.221+/-0.000 χ^2/NDF:566340624.0/3

+ sign 0.334+/-0.000 χ^2/NDF: 8654680637.0/21

All: 0.350+/-0.000 χ^2/NDF: 16552297192.5/4

- sign 0.366+/-0.000 χ^2/NDF: 7871499505.7/22

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:12795.7/5

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

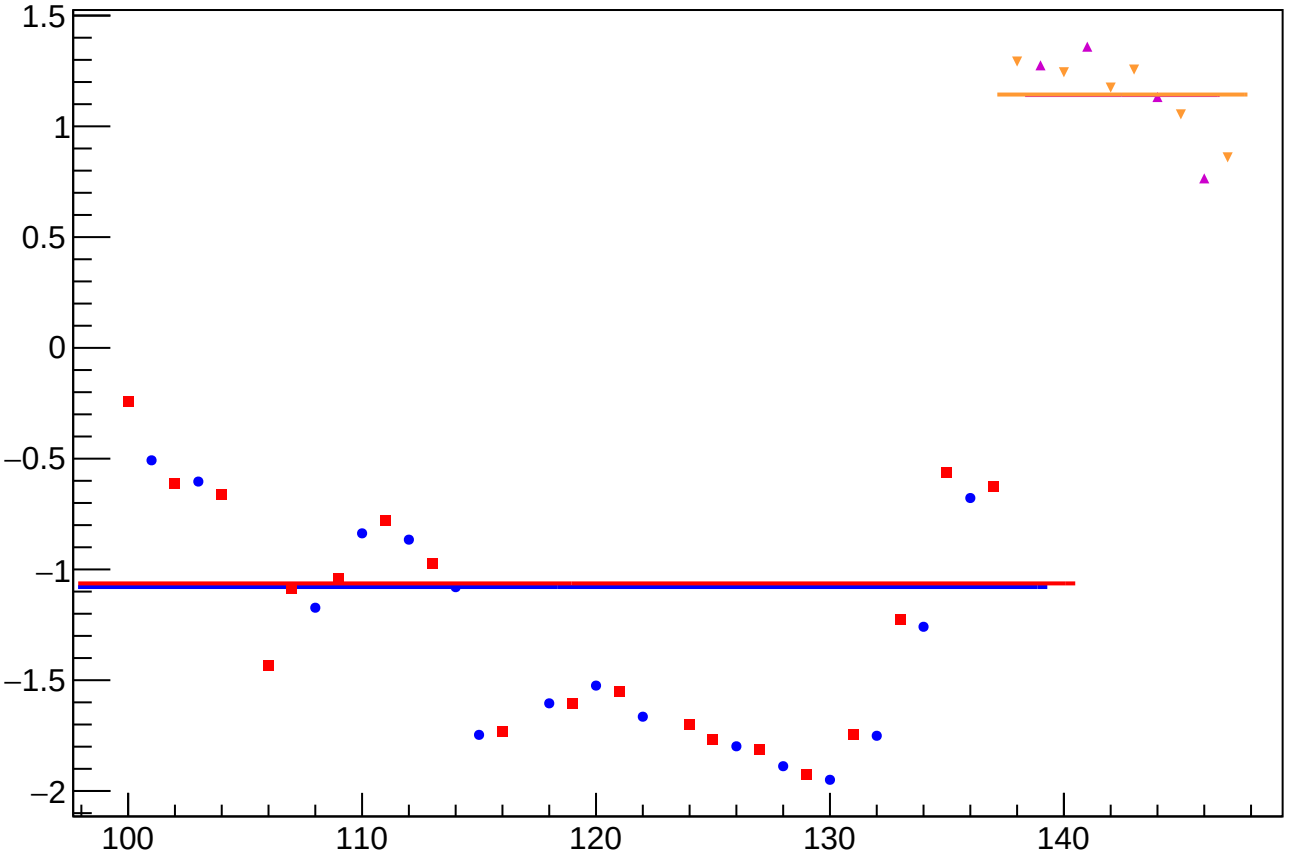
Left In: 0.016+/-0.000 χ^2/NDF:13856.0/3

+ sign 0.015+/-0.000 χ^2/NDF: 207193.8/21

All: 0.015+/-0.000 χ^2/NDF: 345419.9/44

- sign 0.015+/-0.000 χ^2/NDF: 135569.0/22

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.144+/-0.000 χ^2/NDF:6592365209.6/5

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

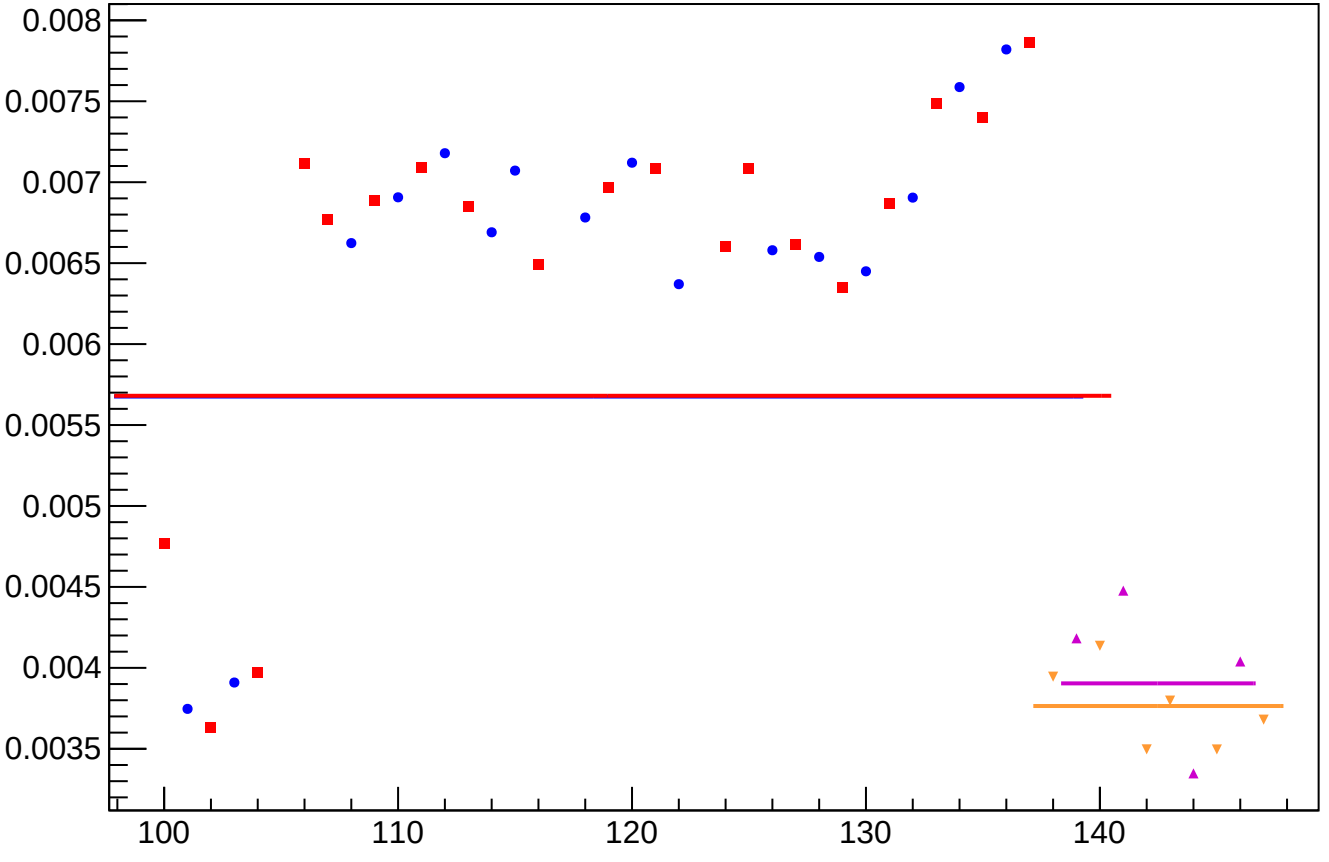
Left In: 1.141+/-0.000 χ^2/NDF:8279303864.6/3

+ sign 0.233+/-0.000 χ^2/NDF: 643018329861.9/21

All: 0.147+/-0.000 χ^2/NDF: 1196172068683.

- sign 0.043+/-0.000 χ^2/NDF: 545184810811.5/22

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:29665.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

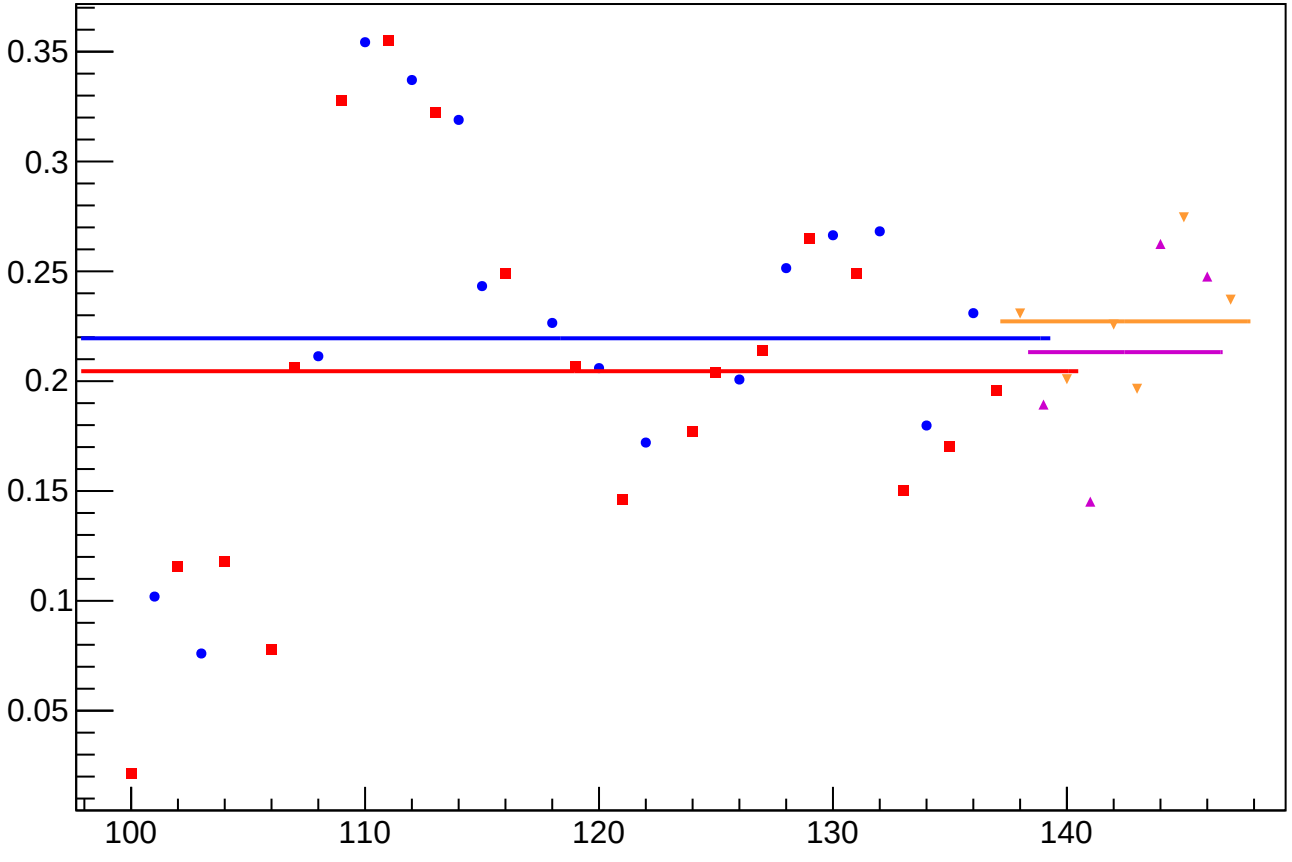
Left In: 0.004+/-0.000 χ^2/NDF:82199.8/3

+ sign 0.005+/-0.000 χ^2/NDF: 1827501.4/21

All: 0.005+/-0.000 χ^2/NDF: 3548600.5/44

- sign 0.005+/-0.000 χ^2/NDF: 1695350.0/22

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.227+/-0.000 χ^2/NDF:1723606017.1/5

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

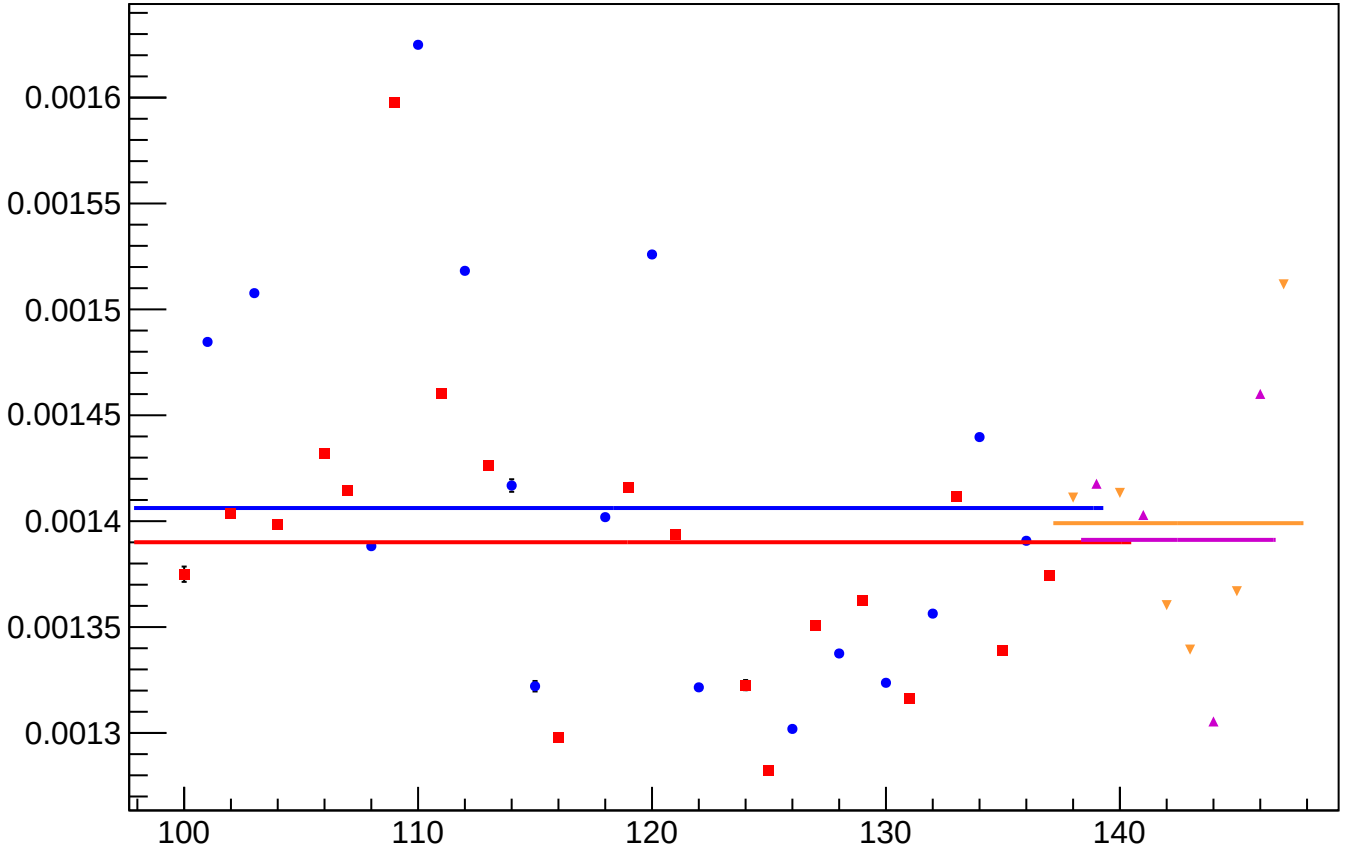
Left In: 0.213+/-0.000 χ^2/NDF:4079681632.6/3

+ sign 0.223+/-0.000 χ^2/NDF: 18535327161.7/21

All: 0.215+/-0.000 χ^2/NDF: 45678540215.5/4

- sign 0.207+/-0.000 χ^2/NDF: 26484369145.7/22

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:13975.4/5

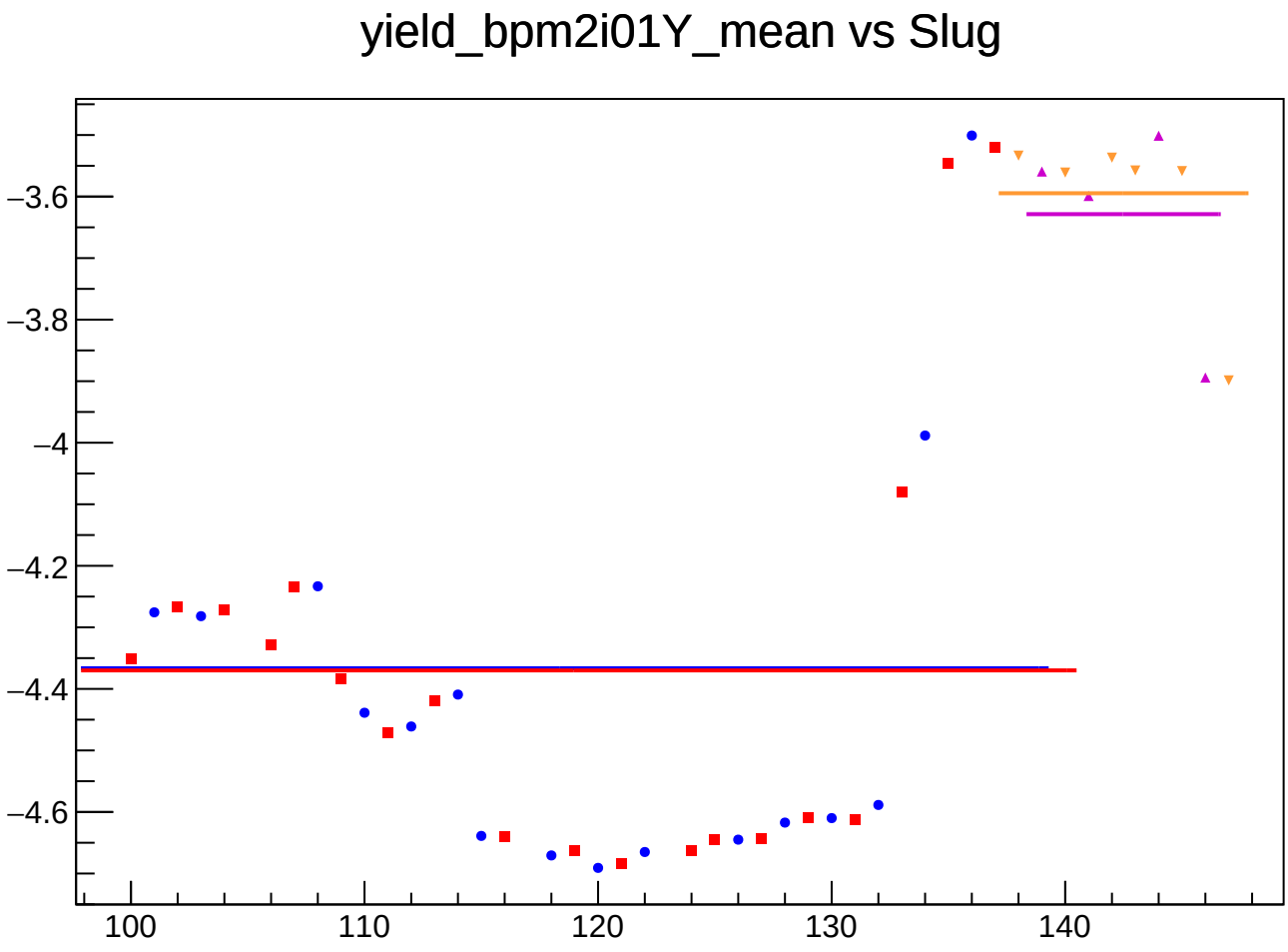
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:12437.5/3

+ sign 0.001+/-0.000 χ^2/NDF: 62317.4/21

All: 0.001+/-0.000 χ^2/NDF: 110503.5/44

- sign 0.001+/-0.000 χ^2/NDF: 47227.4/22



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.595+/-0.000 χ^2/NDF:17065054642.9/5

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

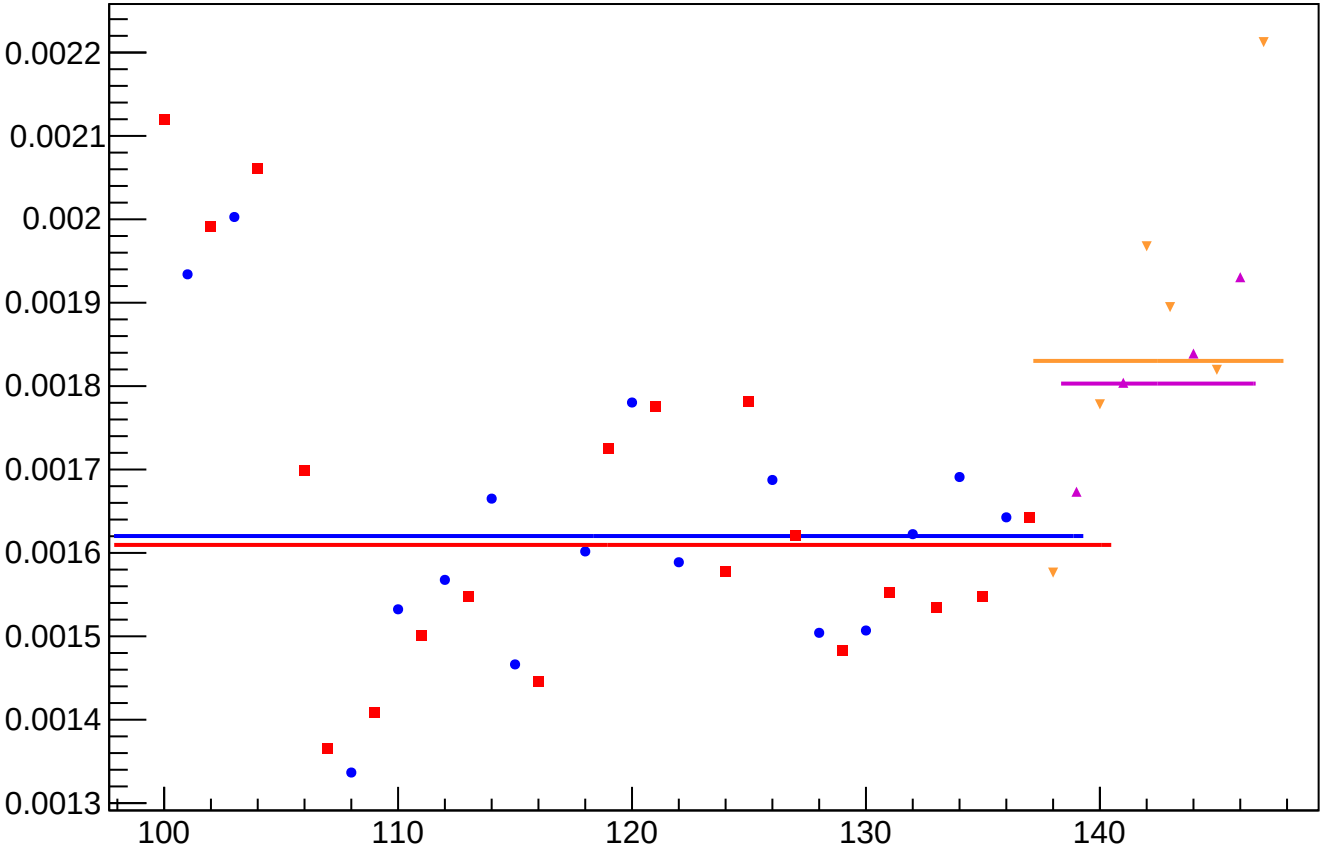
Left In: -3.629+/-0.000 χ^2/NDF:21363728143.5/3

+ sign -4.117+/-0.000 χ^2/NDF: 873997681602.8/21

All: -4.143+/-0.000 χ^2/NDF: 1605832531685

- sign -4.169+/-0.000 χ^2/NDF: 726700639729.6/22

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:91340.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

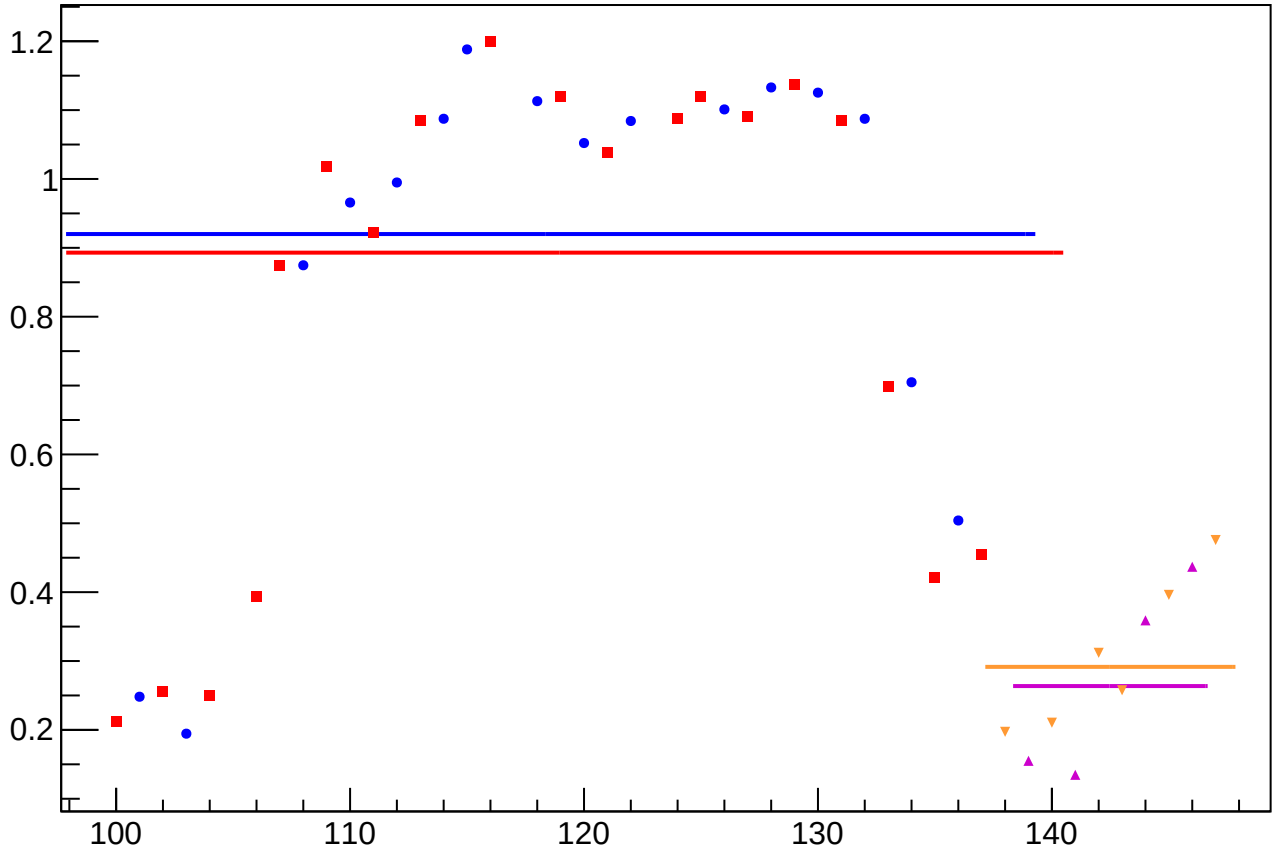
Left In: 0.002+/-0.000 χ^2/NDF:17671.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 306134.4/21

All: 0.002+/-0.000 χ^2/NDF: 567092.3/44

- sign 0.002+/-0.000 χ^2/NDF: 258364.5/22

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:517099871.1/5

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

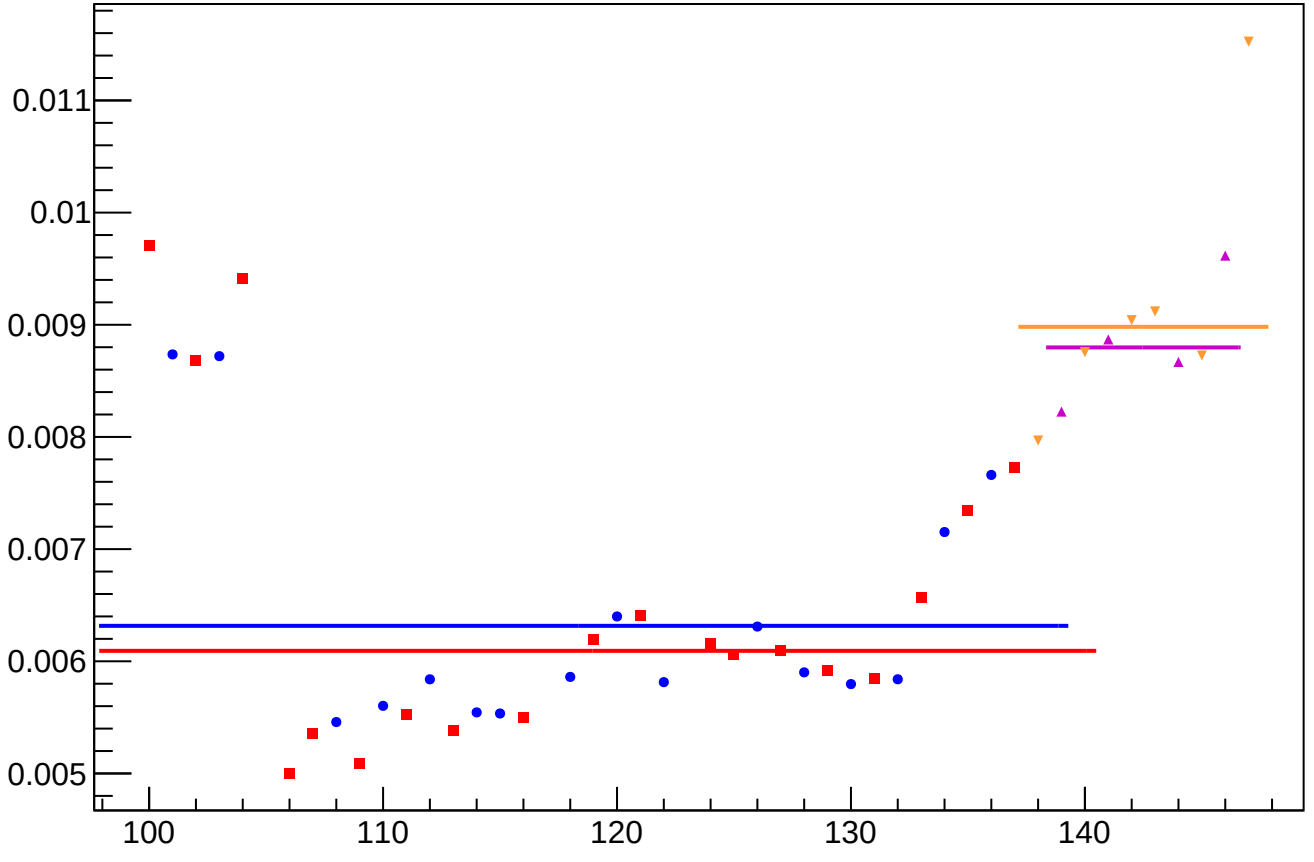
Left In: 0.264+/-0.000 χ^2/NDF:728902401.4/3

+ sign 0.771+/-0.000 χ^2/NDF: 31570998934.1/21

All: 0.773+/-0.000 χ^2/NDF: 64462602877.0/4

- sign 0.775+/-0.000 χ^2/NDF: 32889545528.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:107552.9/5

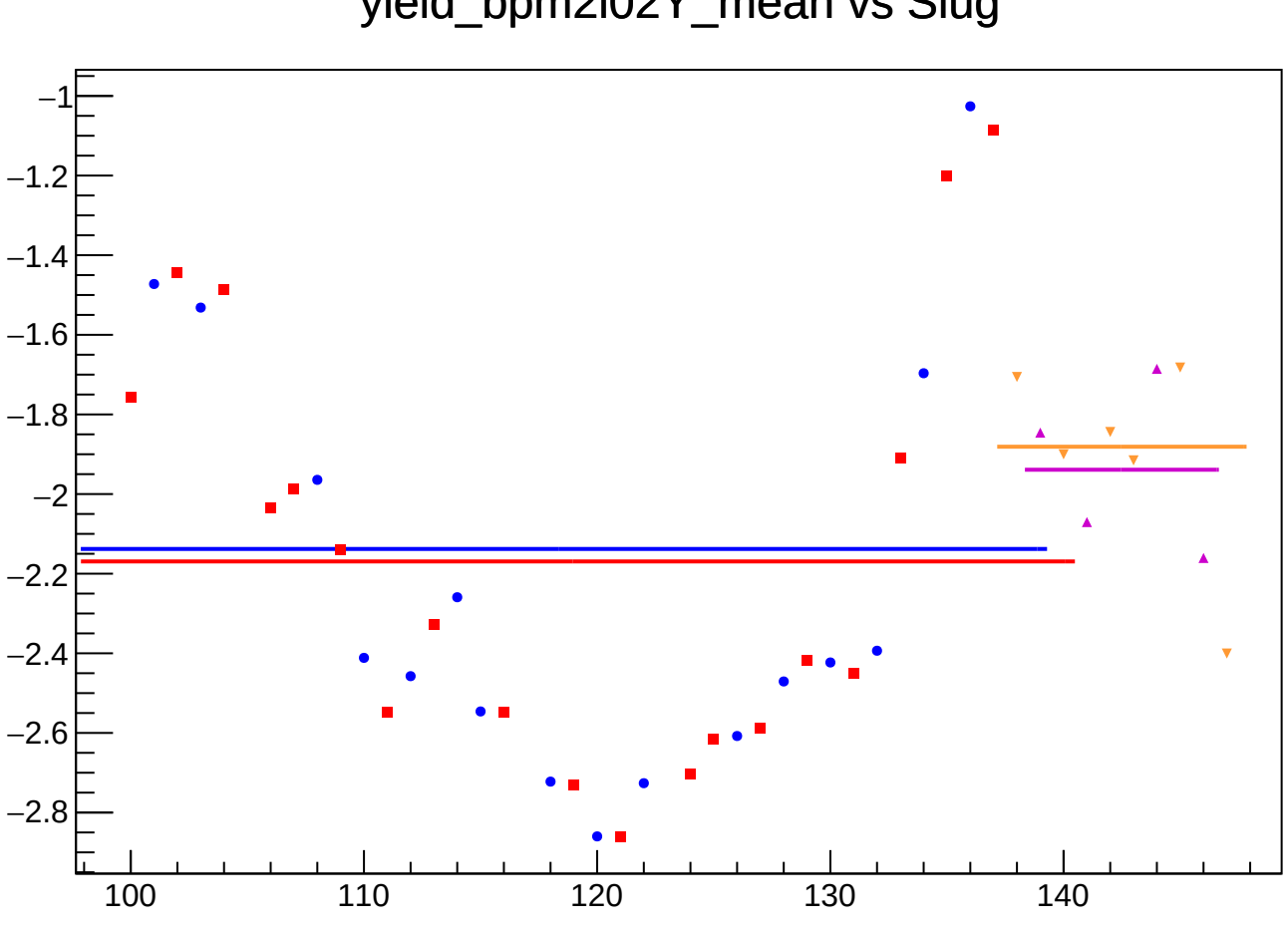
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:21513.1/3

+ sign 0.007+/-0.000 χ^2/NDF: 1036468.3/21

All: 0.007+/-0.000 χ^2/NDF: 2058827.3/44

- sign 0.007+/-0.000 χ^2/NDF: 993769.7/22



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.881+/-0.000 χ^2/NDF:3810071039.5/5

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

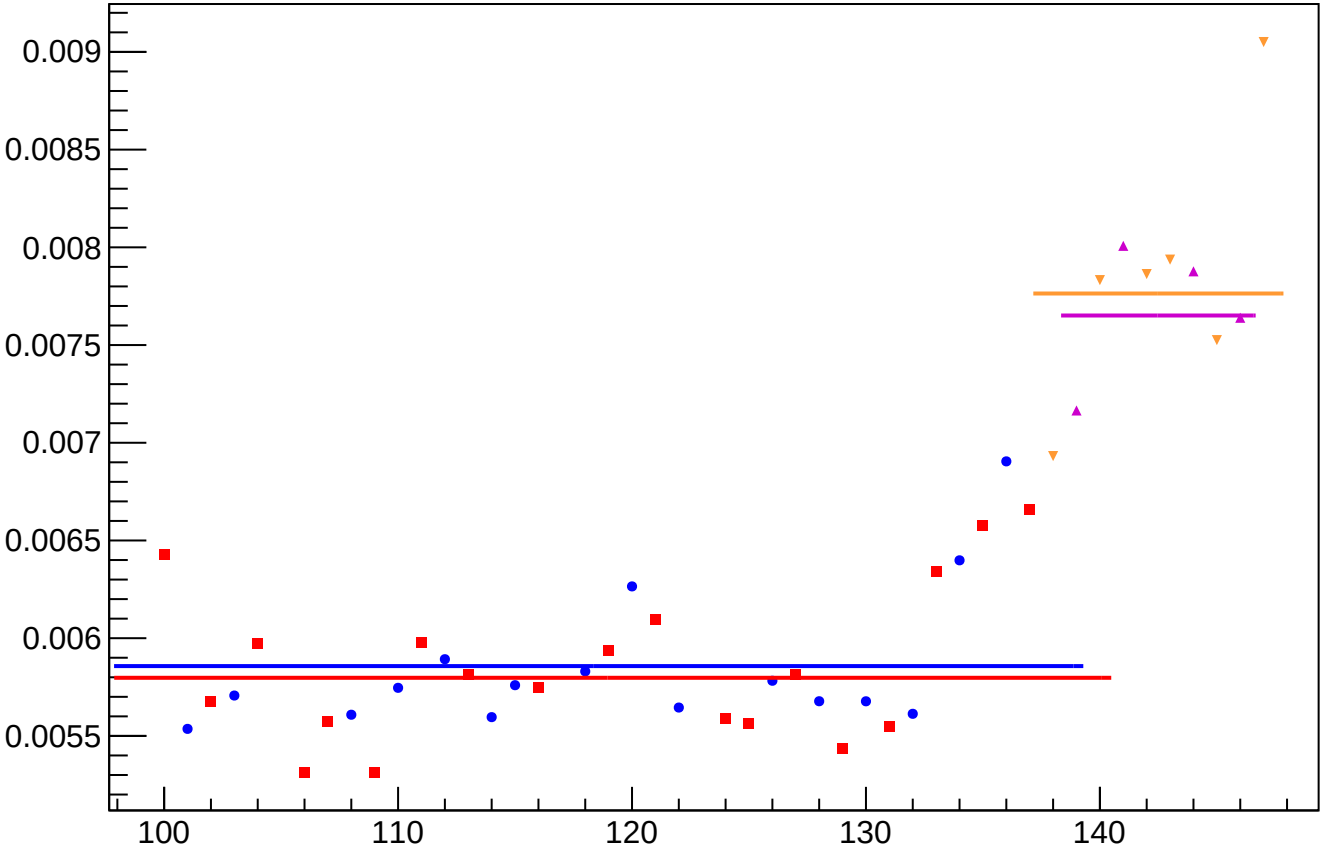
Left In: -1.939+/-0.000 χ^2/NDF:2063577271.9/3

+ sign -2.071+/-0.000 χ^2/NDF: 73091868072.6/21

All: -2.095+/-0.000 χ^2/NDF: 135418046376.2

- sign -2.120+/-0.000 χ^2/NDF: 61979717738.3/22

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:58377.8/5

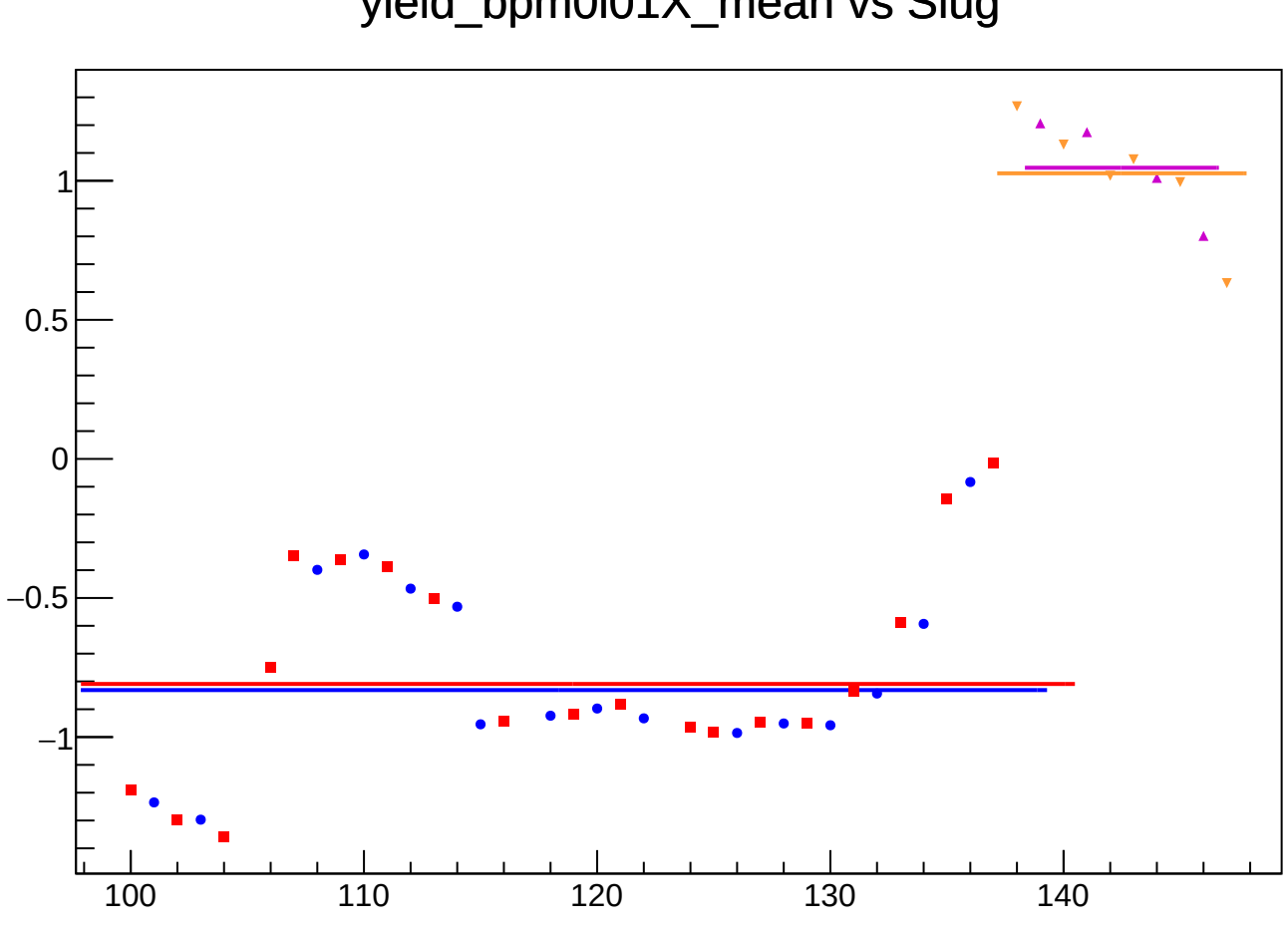
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:12750.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 518866.2/21

All: 0.006+/-0.000 χ^2/NDF: 920266.4/44

- sign 0.006+/-0.000 χ^2/NDF: 393815.4/22



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.027+/-0.000 χ^2/NDF:1049831243.8/5

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

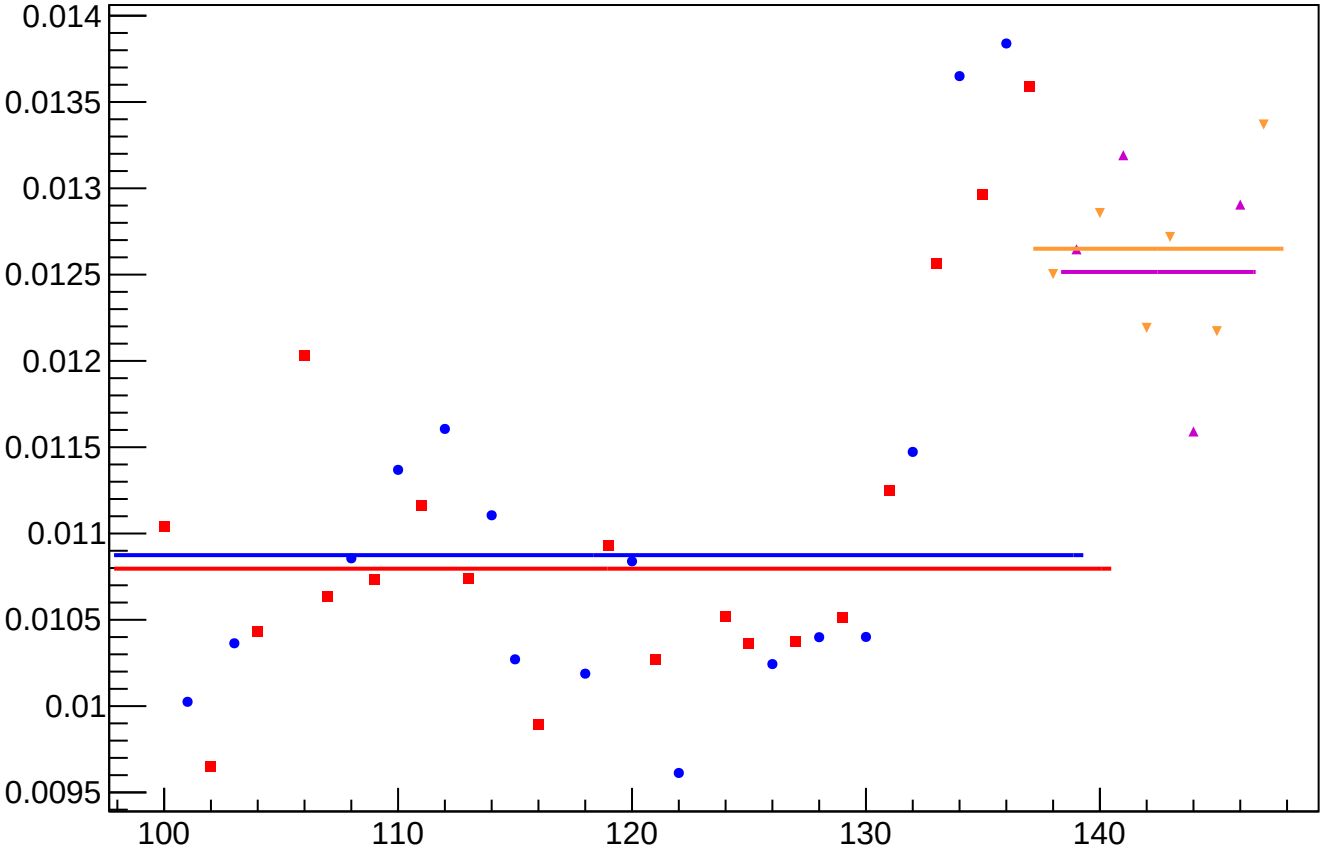
Left In: 1.047+/-0.000 χ^2/NDF:531342854.4/3

+ sign -0.242+/-0.000 χ^2/NDF: 73250801866.8/21

All: -0.282+/-0.000 χ^2/NDF: 138136596832.0

- sign -0.323+/-0.000 χ^2/NDF: 64606424838.4/22

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:8945.8/5

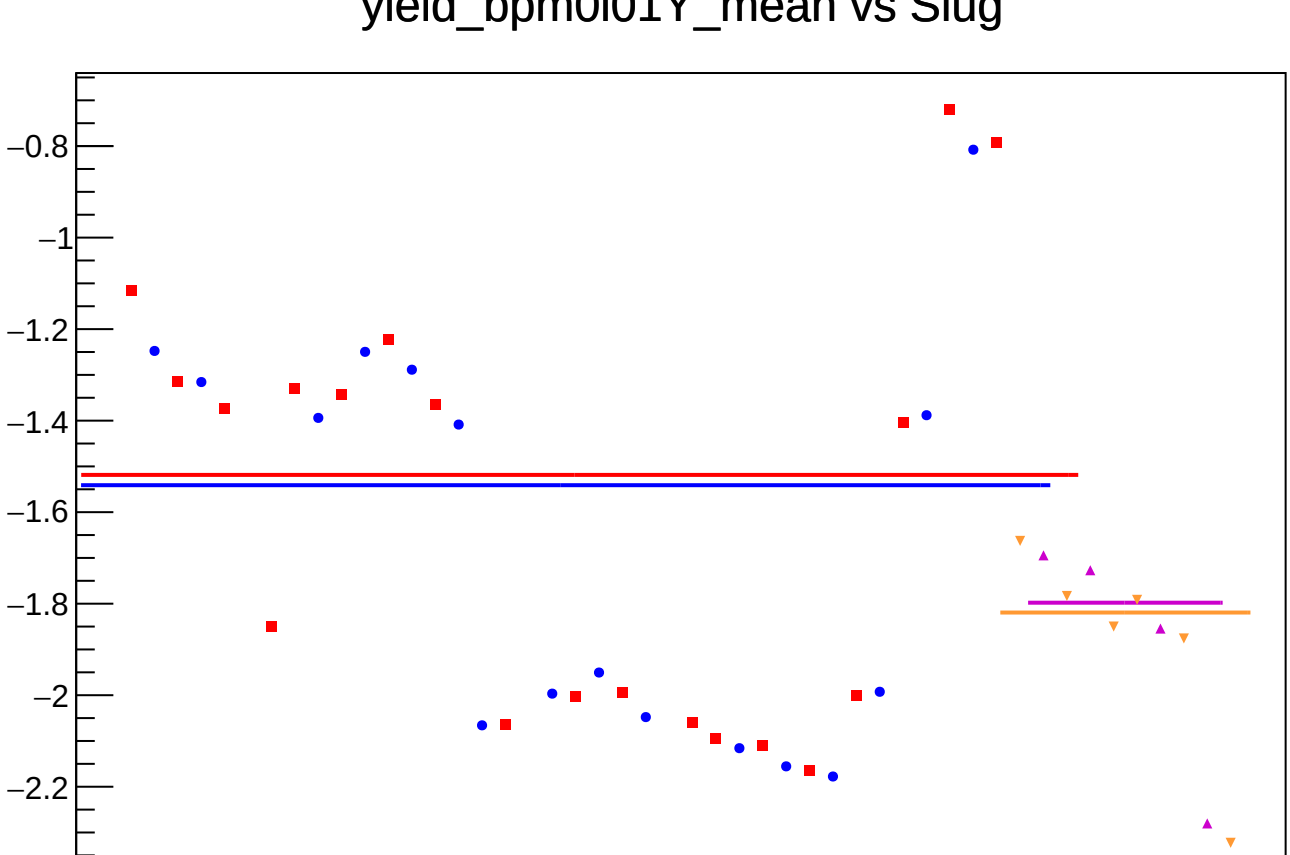
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:17628.2/3

+ sign 0.011+/-0.000 χ^2/NDF: 285420.0/21

All: 0.011+/-0.000 χ^2/NDF: 501249.9/44

- sign 0.011+/-0.000 χ^2/NDF: 212716.0/22



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.819+/-0.000 χ^2/NDF:11912023940.4/5

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

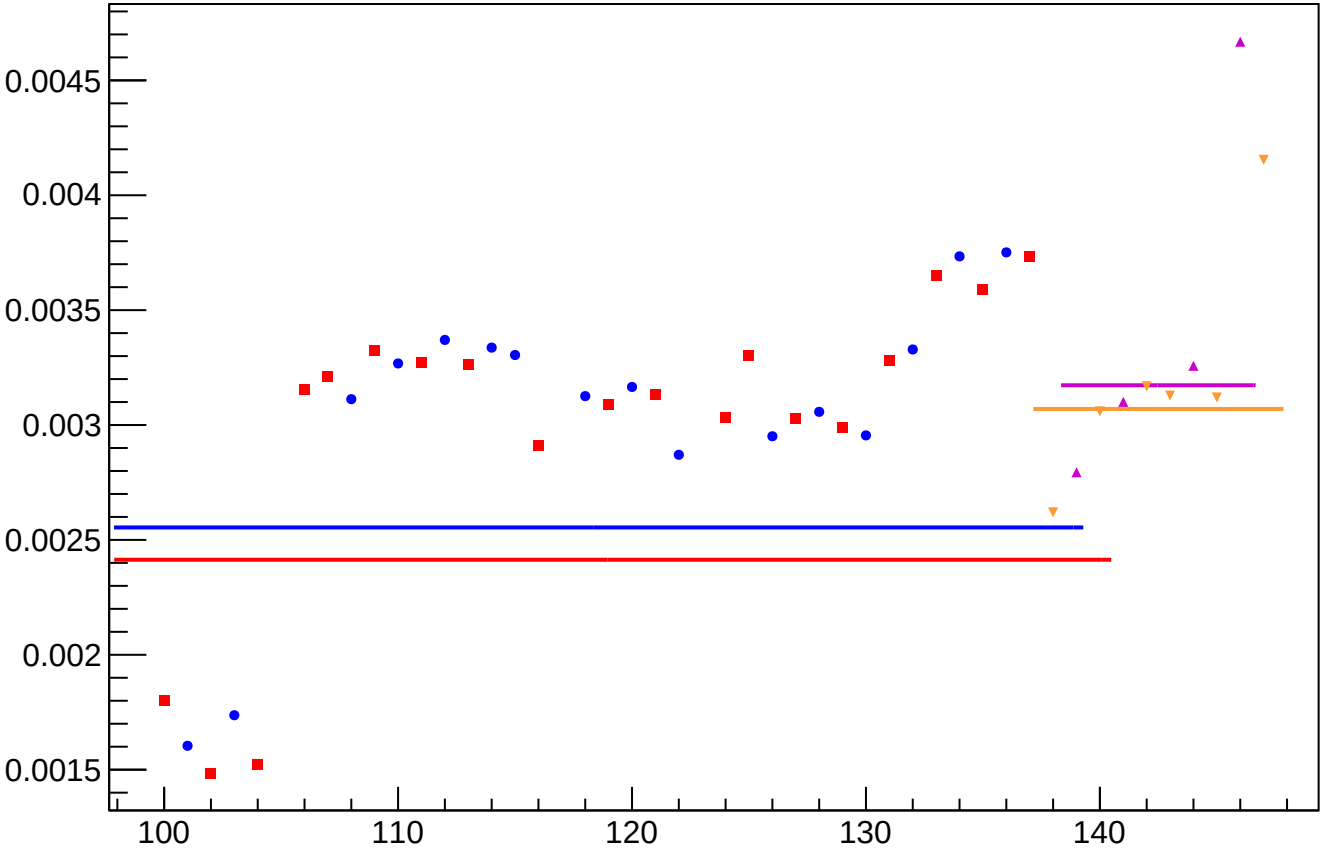
Left In: -1.798+/-0.000 χ^2/NDF:7828905723.2/3

+ sign -1.626+/-0.000 χ^2/NDF: 196399971462.3/21

All: -1.604+/-0.000 χ^2/NDF: 368413934307.5

- sign -1.581+/-0.000 χ^2/NDF: 170643973527.9/22

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:127618.8/5

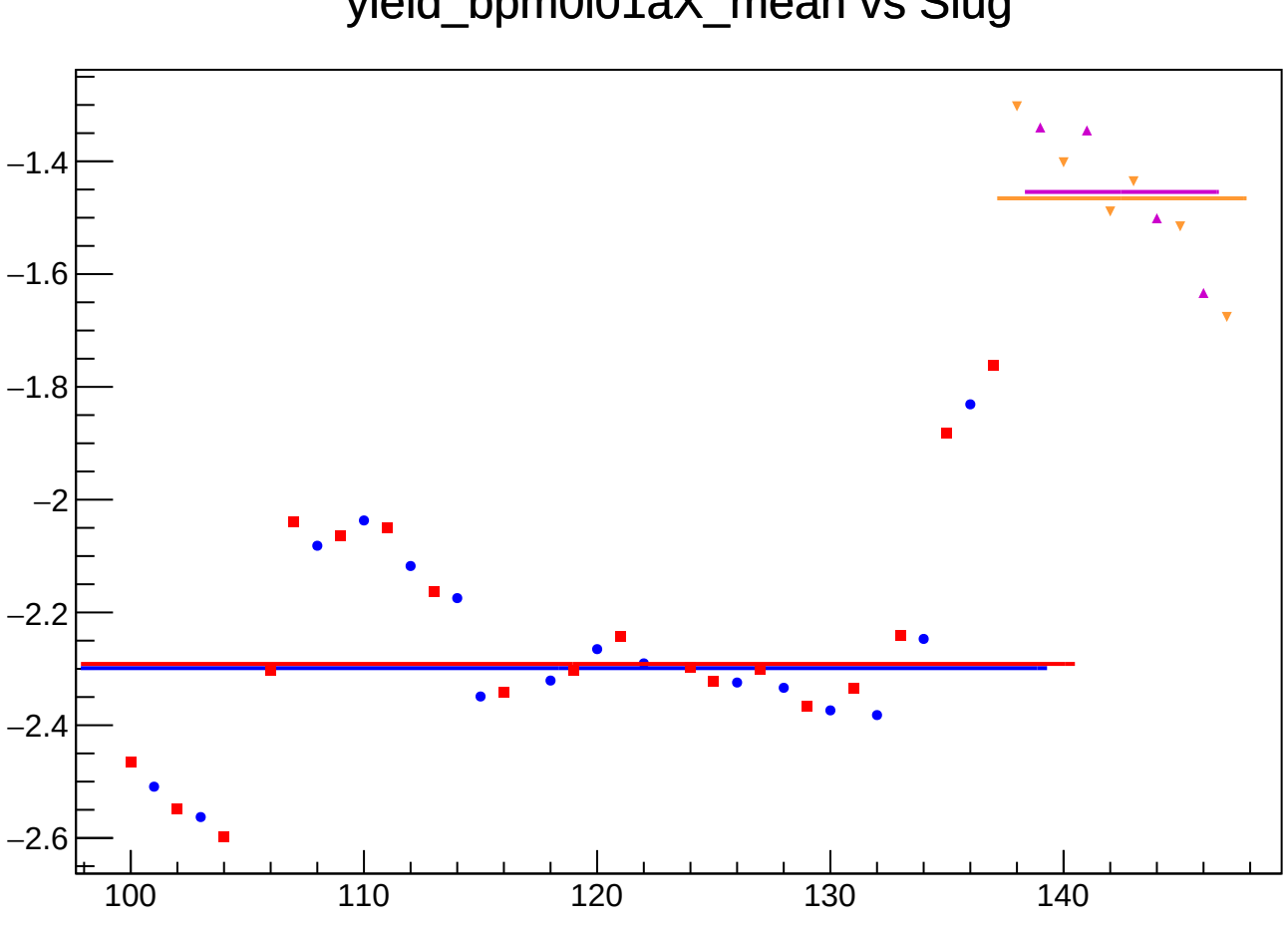
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:147704.1/3

+ sign 0.003+/-0.000 χ^2/NDF: 1451714.9/21

All: 0.003+/-0.000 χ^2/NDF: 3430549.2/44

- sign 0.003+/-0.000 χ^2/NDF: 1956776.1/22



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.466+/-0.000 χ^2/NDF:759711462.5/5

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

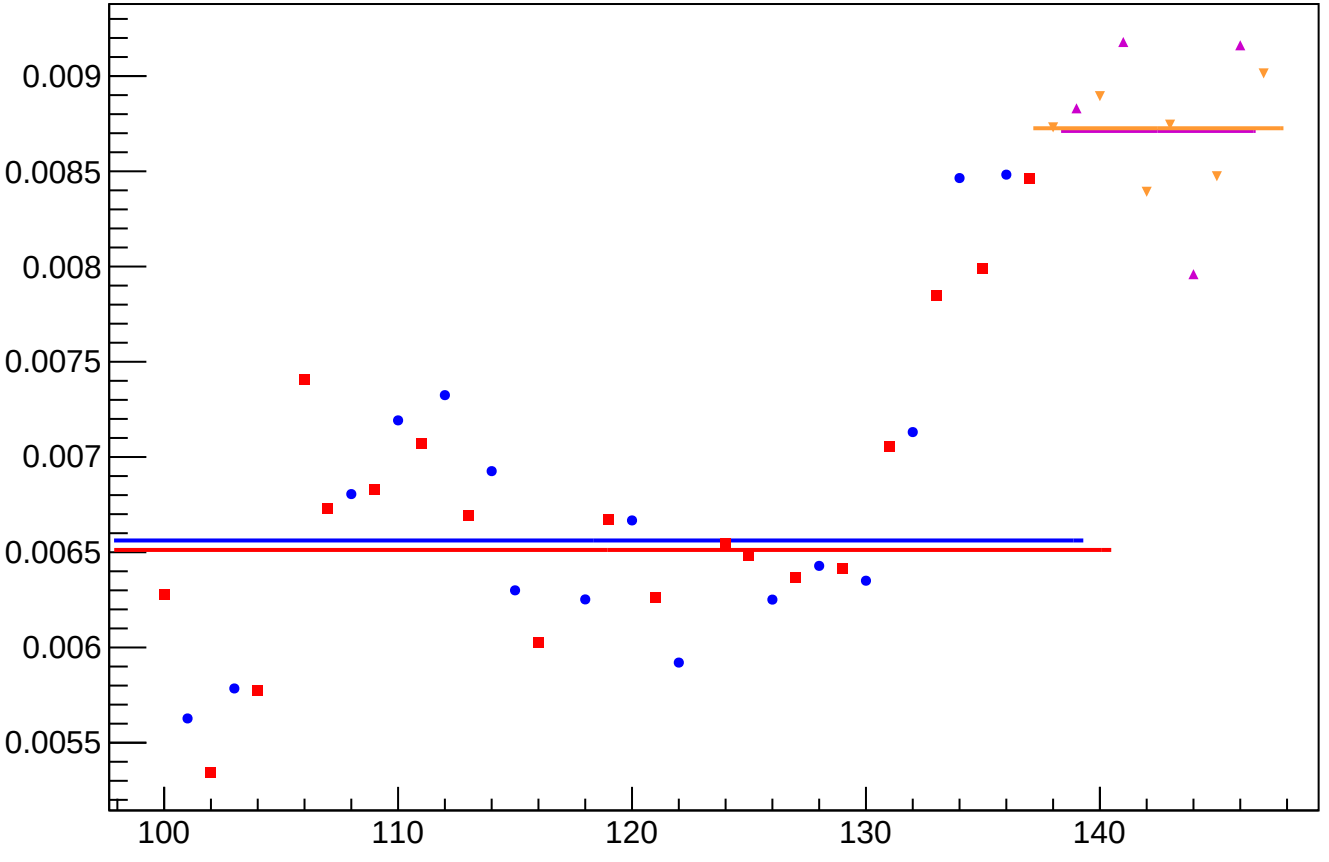
Left In: -1.454+/-0.000 χ^2/NDF:601150045.9/3

+ sign -2.081+/-0.000 χ^2/NDF: 36116765859.4/21

All: -2.098+/-0.000 χ^2/NDF: 68336319559.4/

- sign -2.115+/-0.000 χ^2/NDF: 32089115148.3/22

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:4848.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

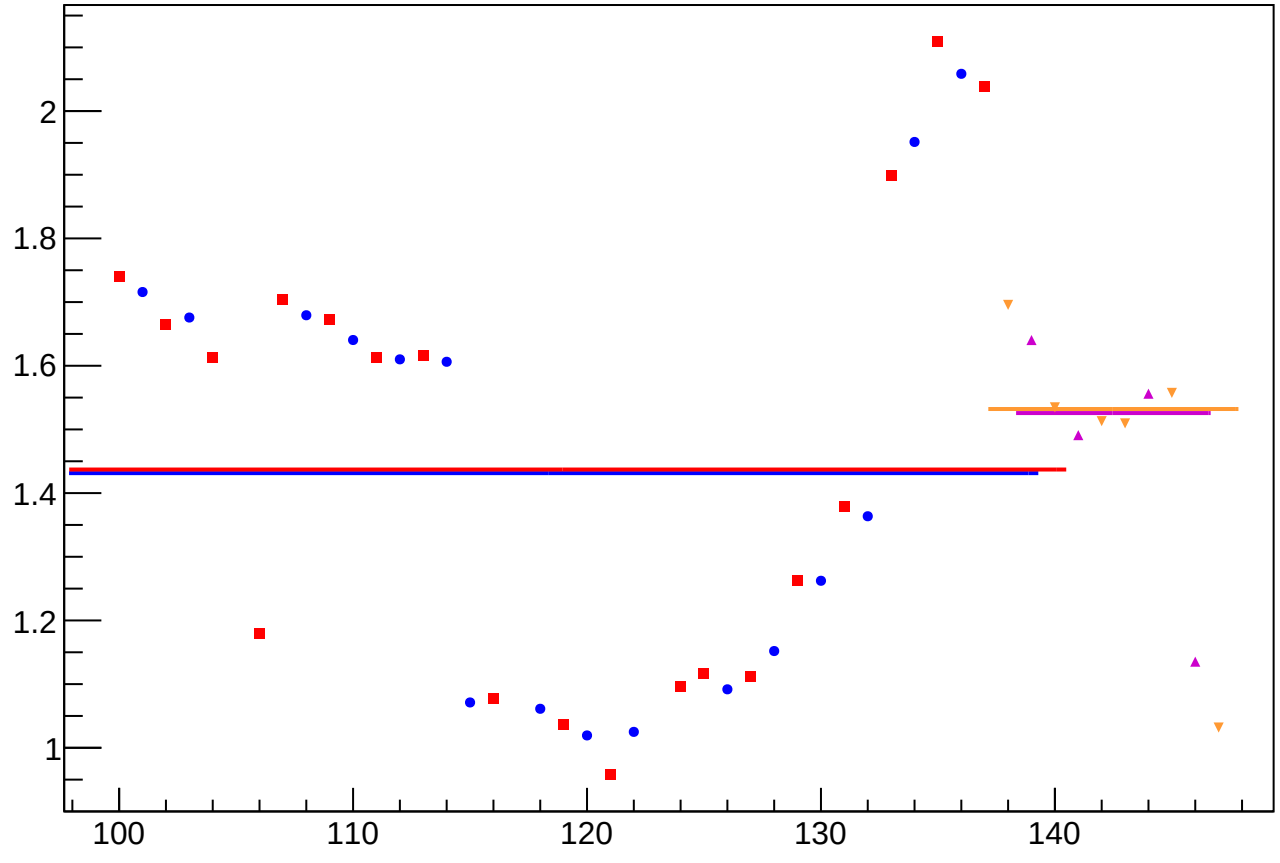
Left In: 0.009+/-0.000 χ^2/NDF:24390.2/3

+ sign 0.007+/-0.000 χ^2/NDF: 621153.6/21

All: 0.007+/-0.000 χ^2/NDF: 1176219.1/44

- sign 0.007+/-0.000 χ^2/NDF: 549952.8/22

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.532+/-0.000 χ^2/NDF:4244553134.6/5

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

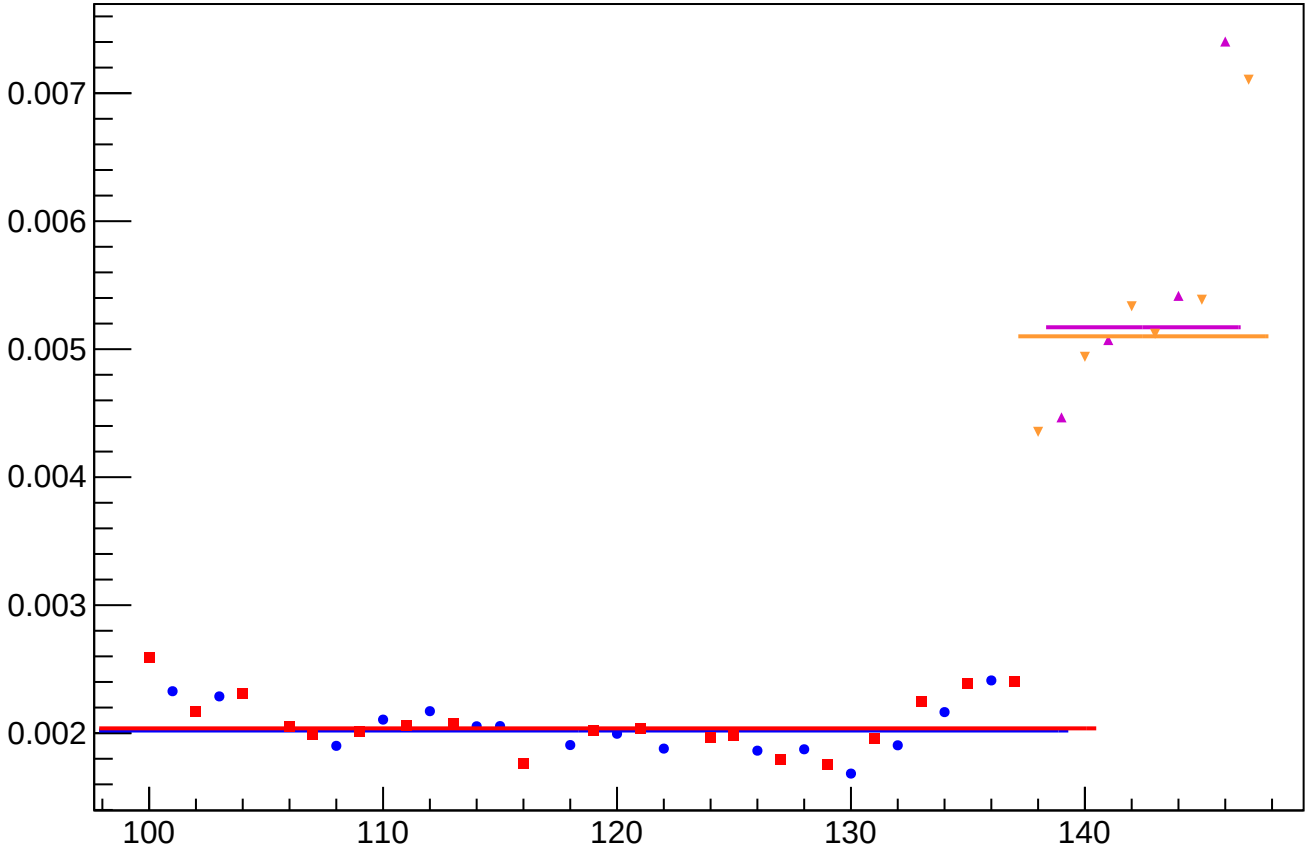
Left In: 1.526+/-0.000 χ^2/NDF:2360331399.1/3

+ sign 1.440+/-0.000 χ^2/NDF: 194859815377.6/21

All: 1.441+/-0.000 χ^2/NDF: 380095830284.8

- sign 1.443+/-0.000 χ^2/NDF: 185229165288.0/22

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:152509.9/5

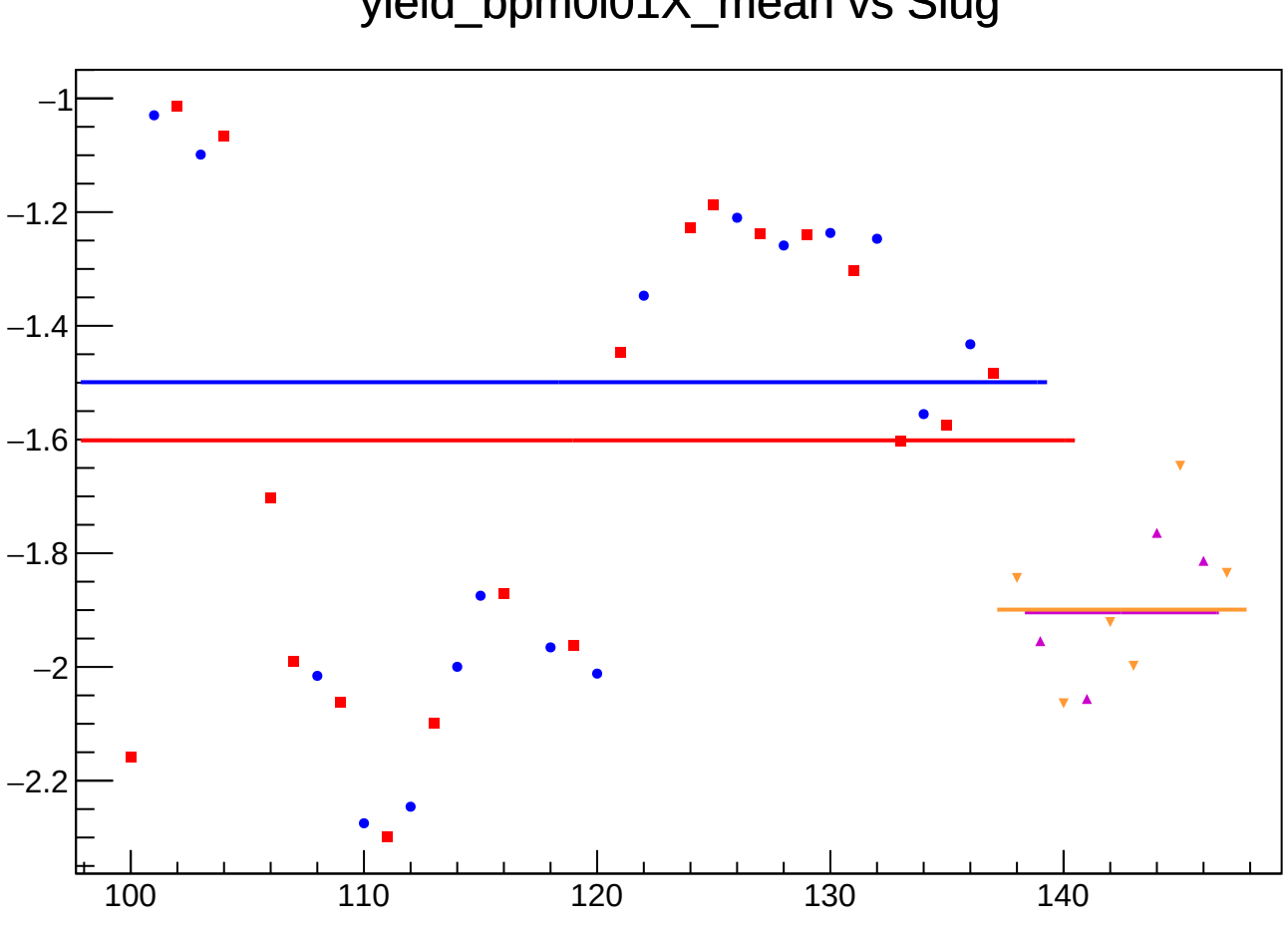
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:159524.8/3

+ sign 0.002+/-0.000 χ^2/NDF: 2990348.9/21

All: 0.002+/-0.000 χ^2/NDF: 5388997.0/44

- sign 0.002+/-0.000 χ^2/NDF: 2395312.9/22



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.899+/-0.000 χ^2/NDF:2544589556.3/5

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

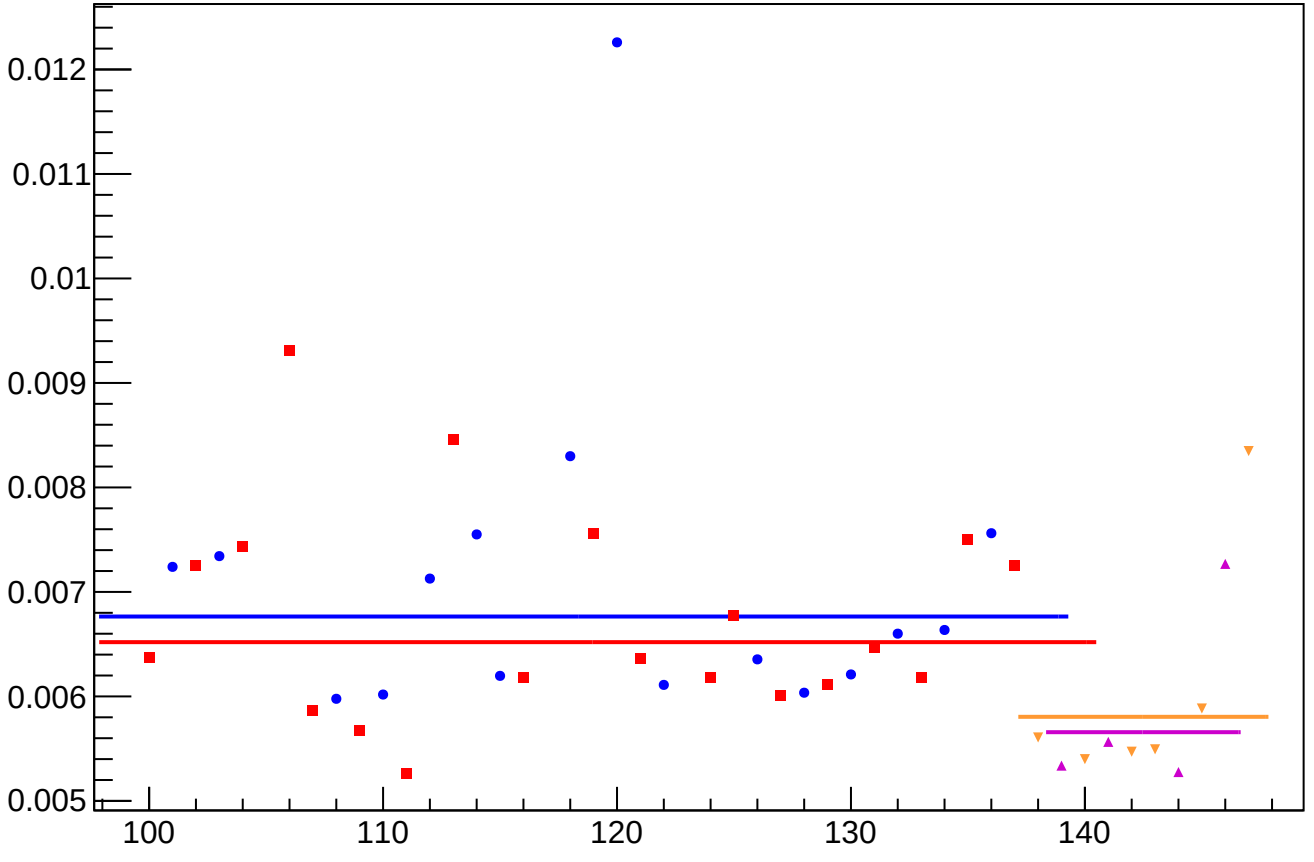
Left In: -1.904+/-0.000 χ^2/NDF:1447416171.9/3

+ sign -1.687+/-0.000 χ^2/NDF: 36112511026.9/21

All: -1.703+/-0.000 χ^2/NDF: 71763572906.1/

- sign -1.719+/-0.000 χ^2/NDF: 35516945360.3/22

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:158605.1/5

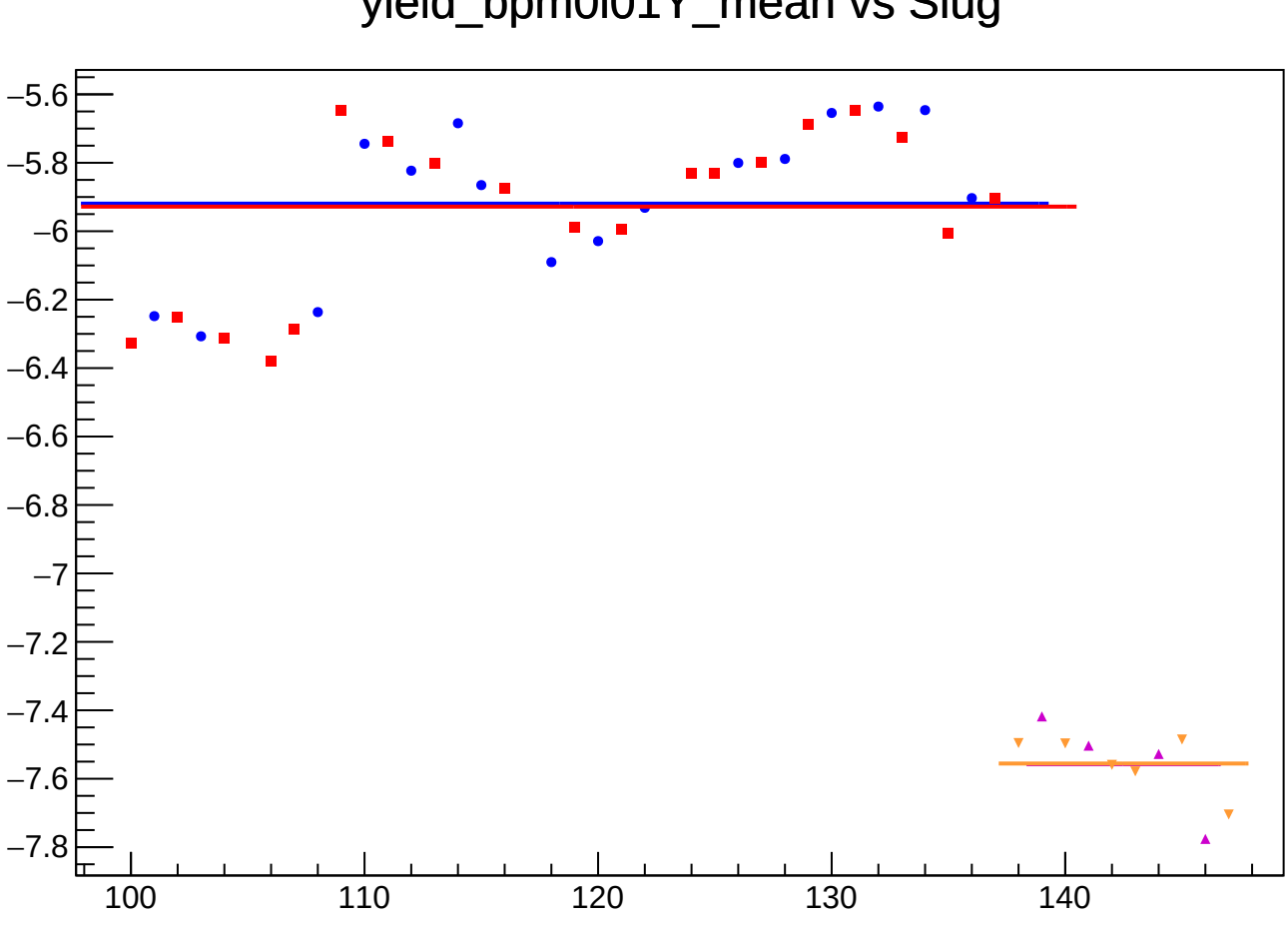
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:91749.9/3

+ sign 0.006+/-0.000 χ^2/NDF: 519681.5/21

All: 0.006+/-0.000 χ^2/NDF: 954531.4/44

- sign 0.006+/-0.000 χ^2/NDF: 430454.6/22



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.556+/-0.000 χ^2/NDF:237310298.5/5

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

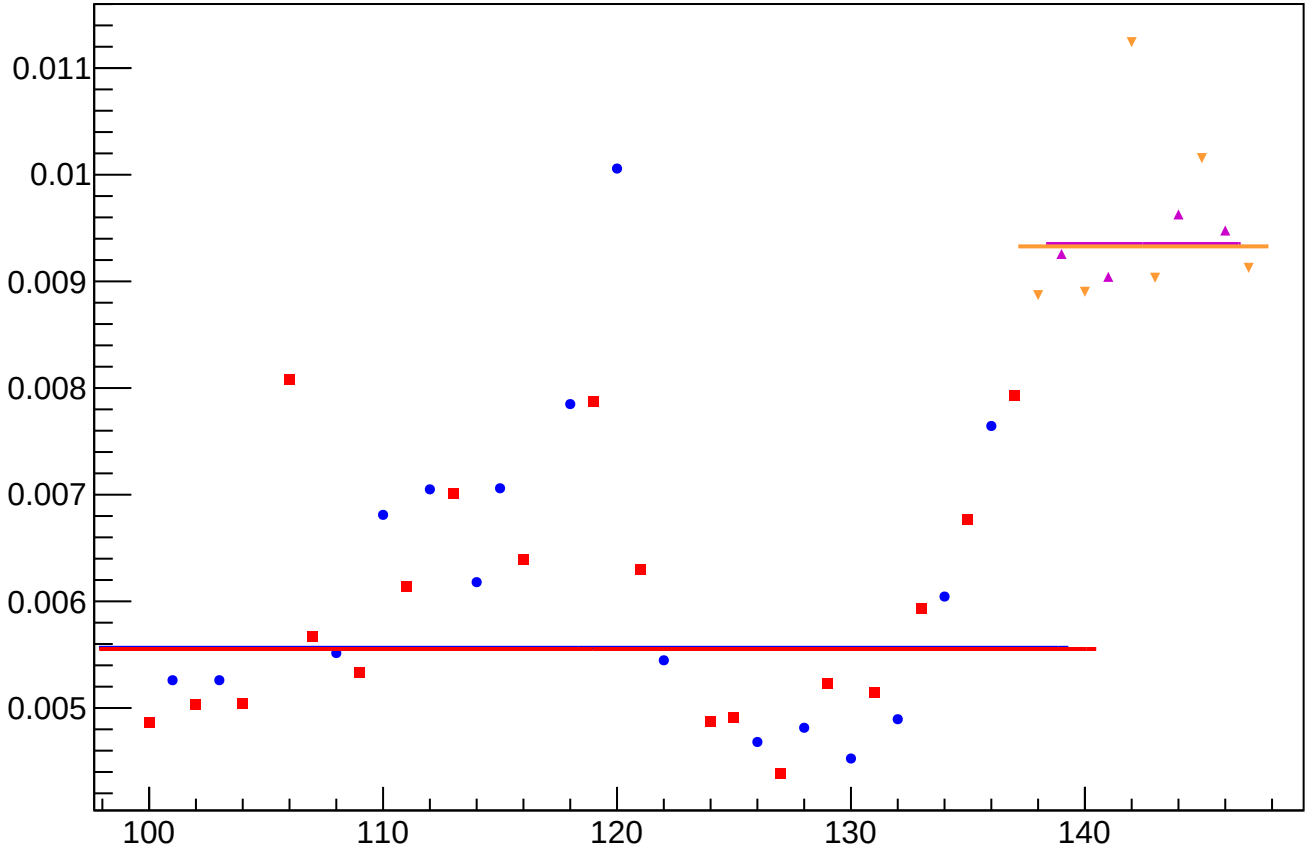
Left In: -7.558+/-0.000 χ^2/NDF:499201721.7/3

+ sign -6.170+/-0.000 χ^2/NDF: 93200461112.5/21

All: -6.146+/-0.000 χ^2/NDF: 173094989574.4

- sign -6.122+/-0.000 χ^2/NDF: 79620344920.4/22

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:33256.5/5

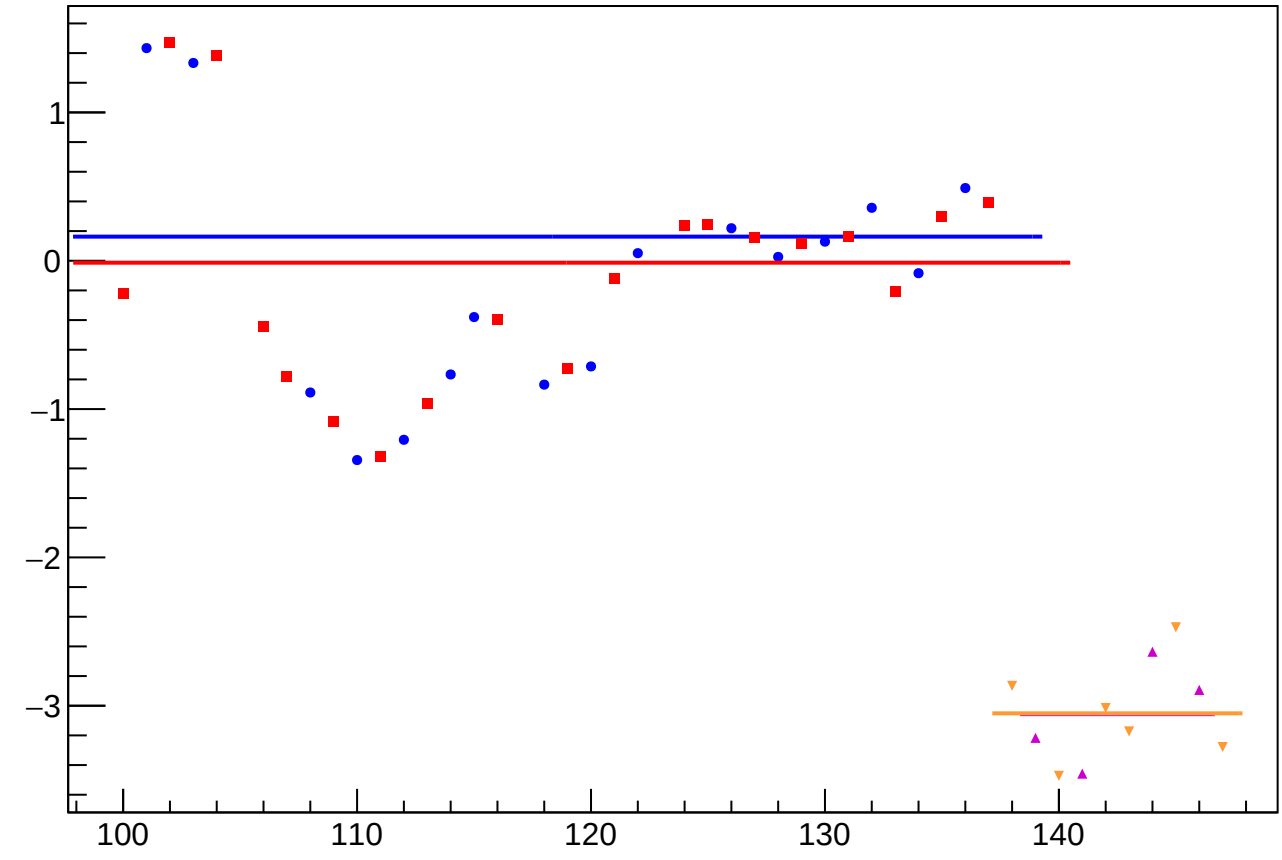
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2849.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 1388373.9/21

All: 0.006+/-0.000 χ^2/NDF: 2481912.2/44

- sign 0.006+/-0.000 χ^2/NDF: 1089148.7/22



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.051+/-0.000 χ^2/NDF:1333946063.3/5

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

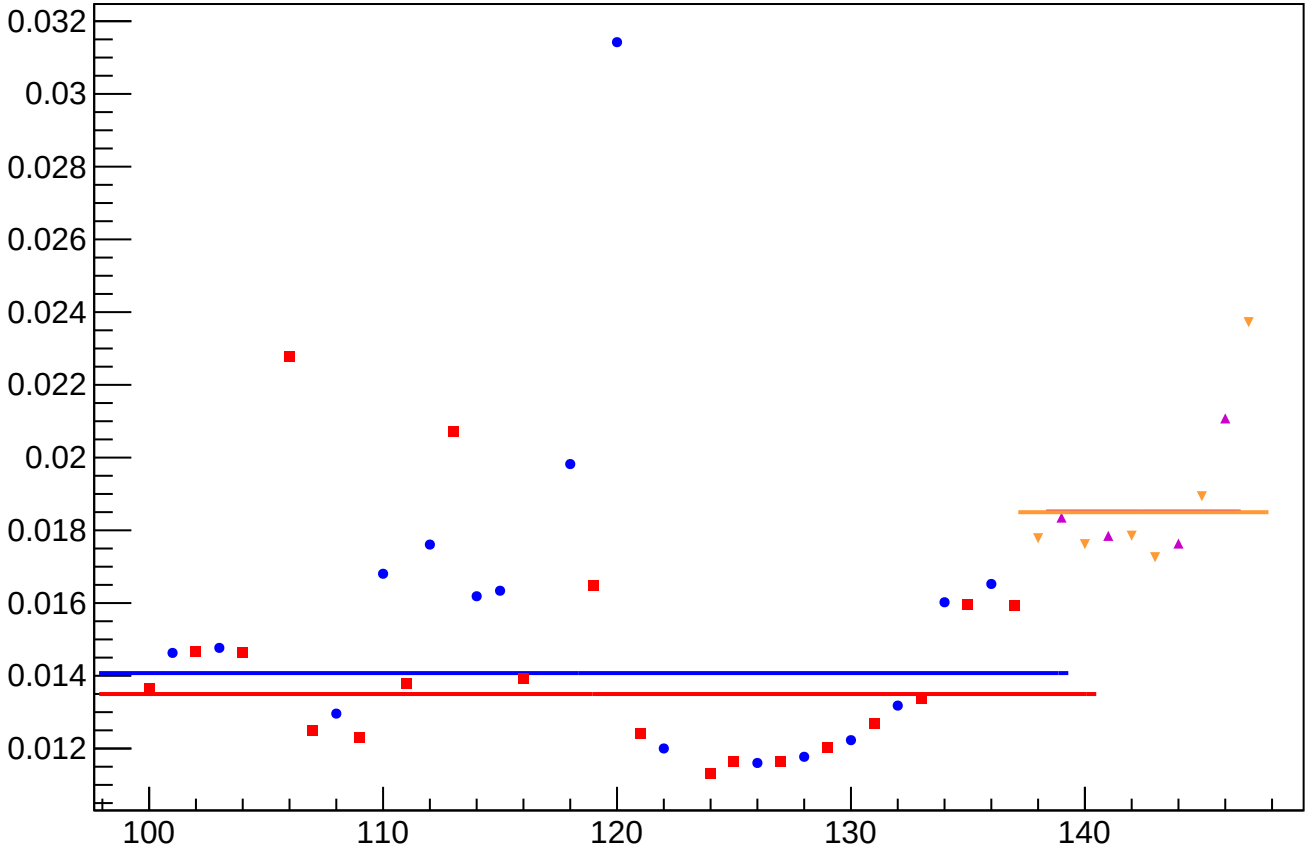
Left In: -3.057+/-0.000 χ^2/NDF:1014189242.4/3

+ sign -0.721+/-0.000 χ^2/NDF: 109720305971.9/21

All: -0.676+/-0.000 χ^2/NDF: 203672653935.6

- sign -0.634+/-0.000 χ^2/NDF: 93779836419.3/22

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:88637.6/5

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

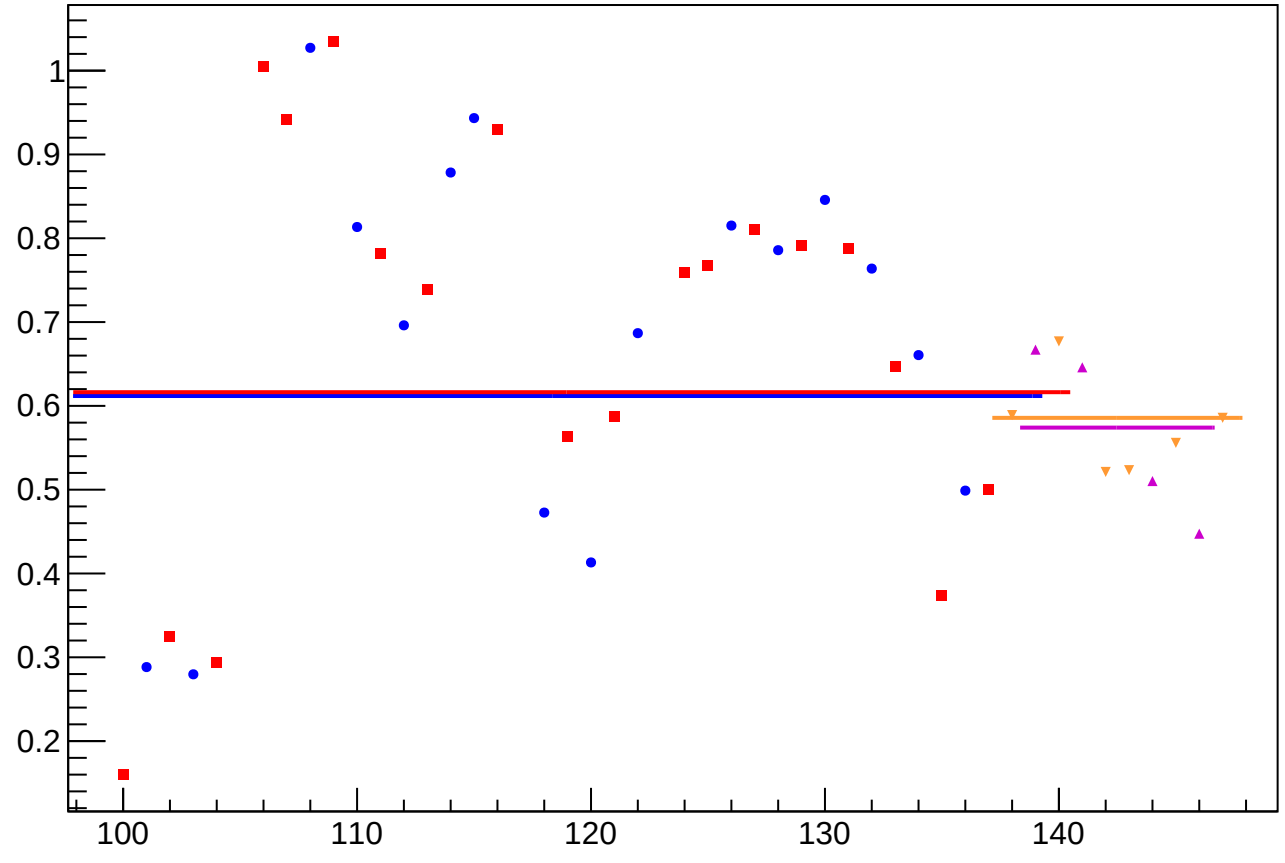
Left In: 0.019+/-0.000 χ^2/NDF:29979.8/3

+ sign 0.015+/-0.000 χ^2/NDF: 896786.7/21

All: 0.015+/-0.000 χ^2/NDF: 1650175.9/44

- sign 0.015+/-0.000 χ^2/NDF: 726617.2/22

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.586+/-0.000 χ^2/NDF:162278562.7/5

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

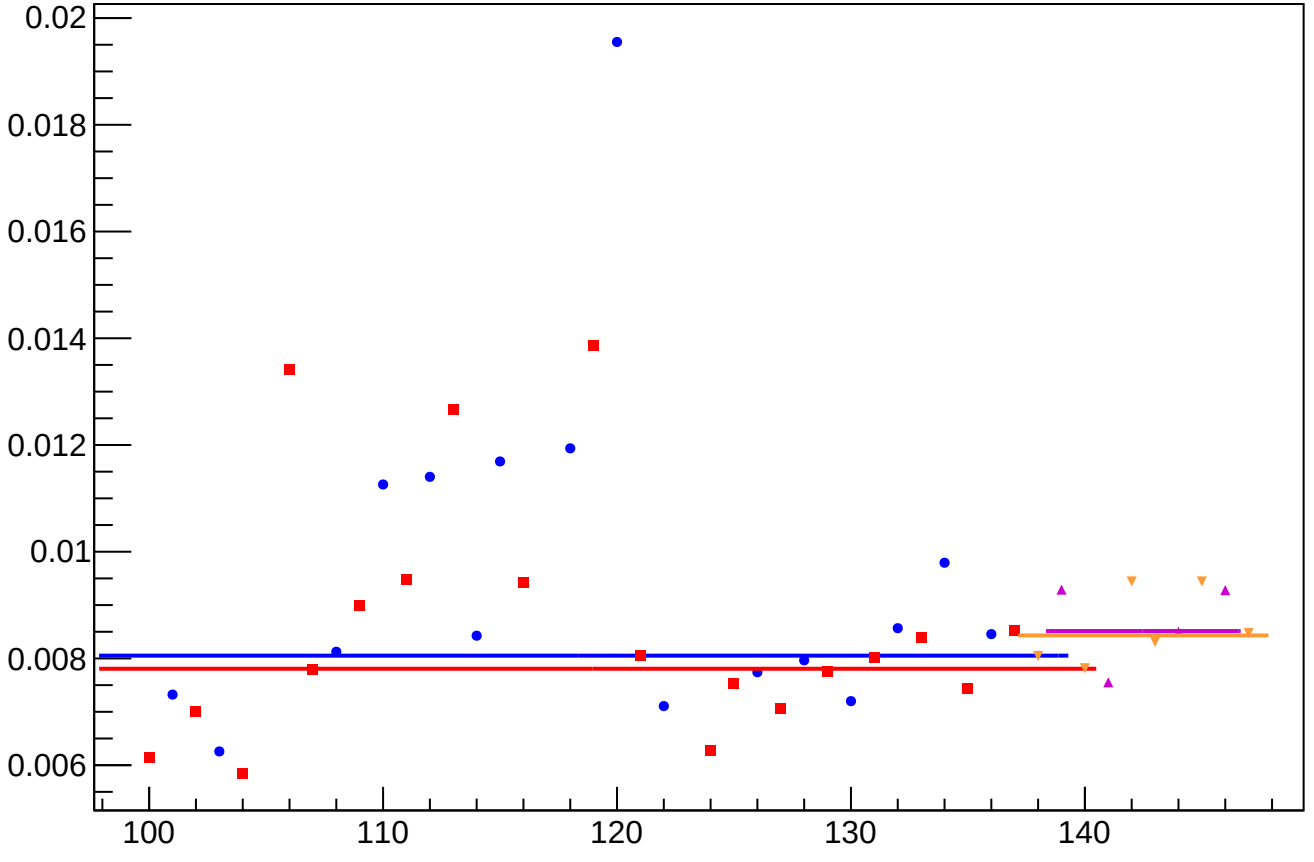
Left In: 0.574+/-0.000 χ^2/NDF:325640361.0/3

+ sign 0.602+/-0.000 χ^2/NDF: 5824435975.9/21

All: 0.603+/-0.000 χ^2/NDF: 12623029468.8/4

- sign 0.604+/-0.000 χ^2/NDF: 6798295972.1/22

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:36263.4/5

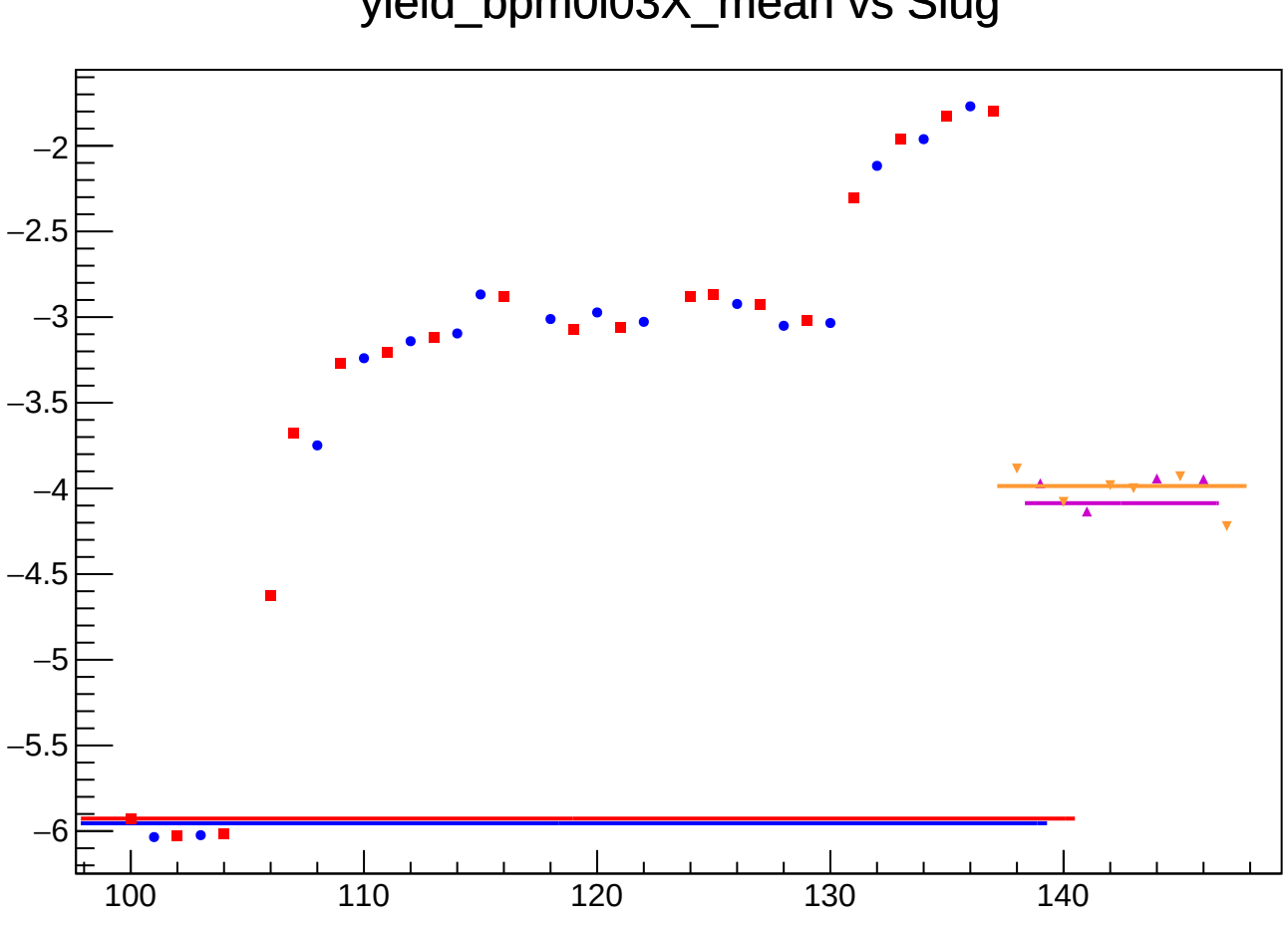
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:45461.4/3

+ sign 0.008+/-0.000 χ^2/NDF: 644360.4/21

All: 0.008+/-0.000 χ^2/NDF: 1311609.3/44

- sign 0.008+/-0.000 χ^2/NDF: 662356.3/22



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.986+/-0.000 χ^2/NDF:4641769.5/5

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

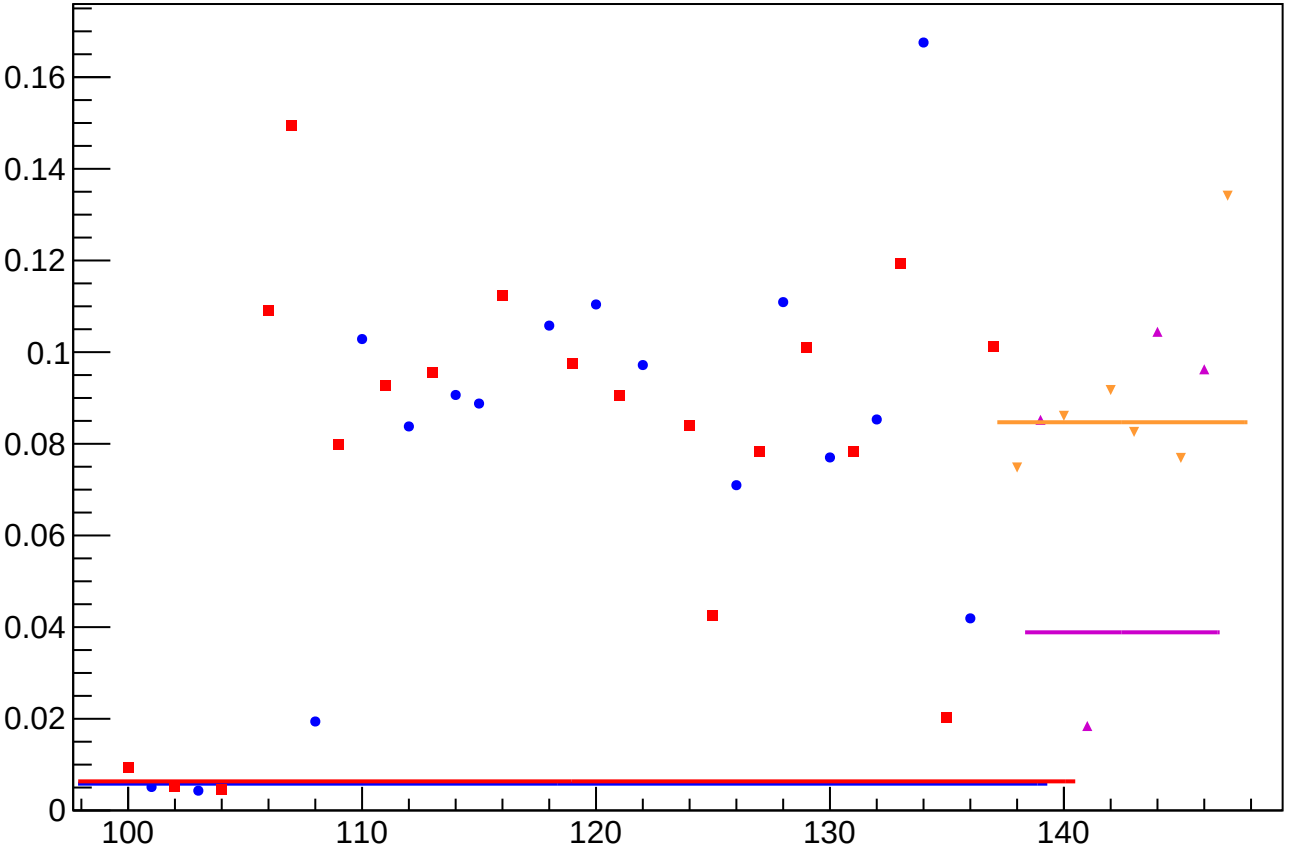
Left In: -4.086+/-0.000 χ^2/NDF:6013821.1/3

+ sign -5.933+/-0.000 χ^2/NDF: 15202681793.0/21

All: -5.912+/-0.000 χ^2/NDF: 3226502589 1.1/

- sign -5.887+/-0.000 χ^2/NDF: 17012202052.5/22

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.085+/-0.000 χ^2/NDF:236200.6/5

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

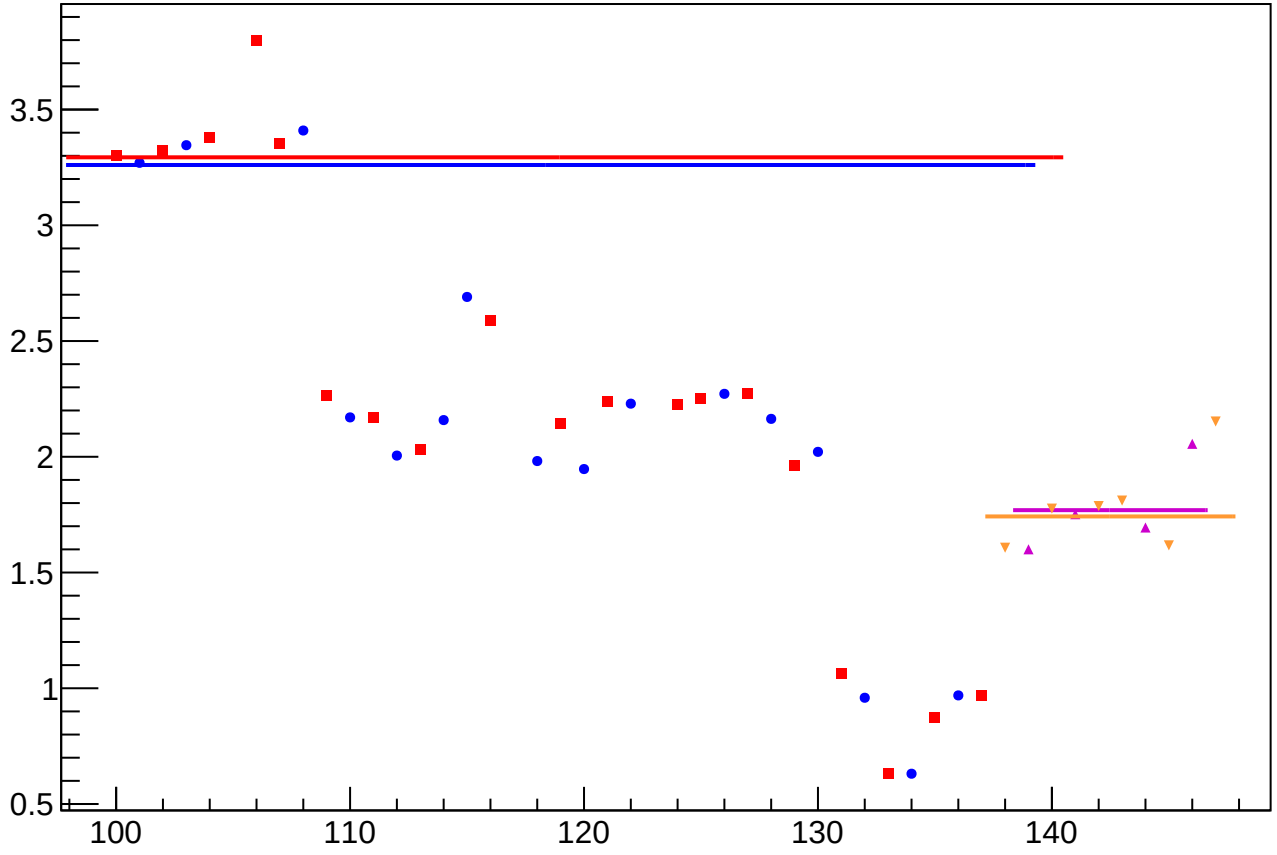
Left In: 0.039+/-0.000 χ^2/NDF:2158450.8/3

+ sign 0.007+/-0.000 χ^2/NDF: 15674468.1/21

All: 0.007+/-0.000 χ^2/NDF: 28515737.4/44

- sign 0.007+/-0.000 χ^2/NDF: 12834753.6/22

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.742+/-0.000 χ^2/NDF:10343885.5/5

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

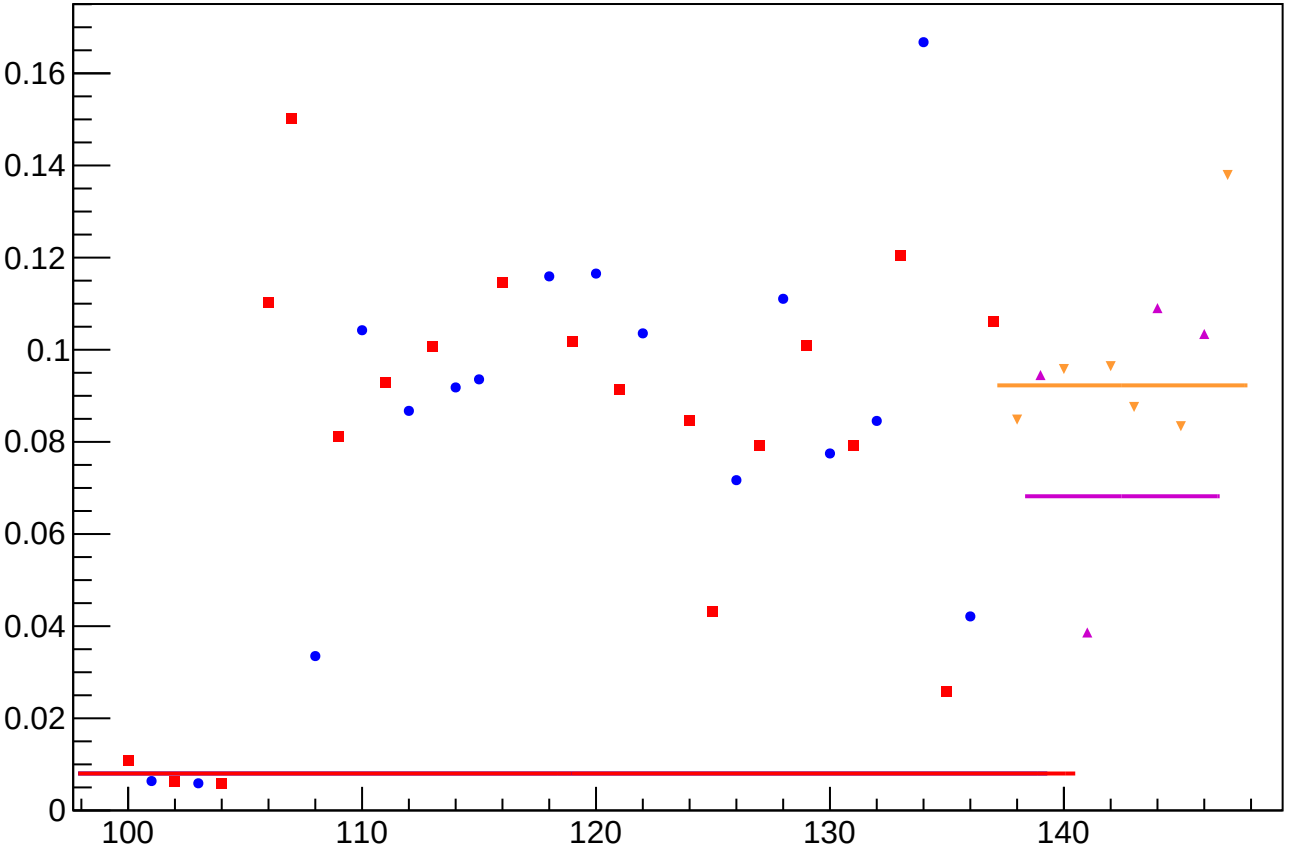
Left In: 1.769+/-0.000 χ^2/NDF:8822787.7/3

+ sign 3.238+/-0.000 χ^2/NDF: 4083973188.4/21

All: 3.253+/-0.000 χ^2/NDF: 8424272568.4/44

- sign 3.270+/-0.000 χ^2/NDF: 4324924233.1/22

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.092+/-0.000 χ^2/NDF:190025.2/5

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

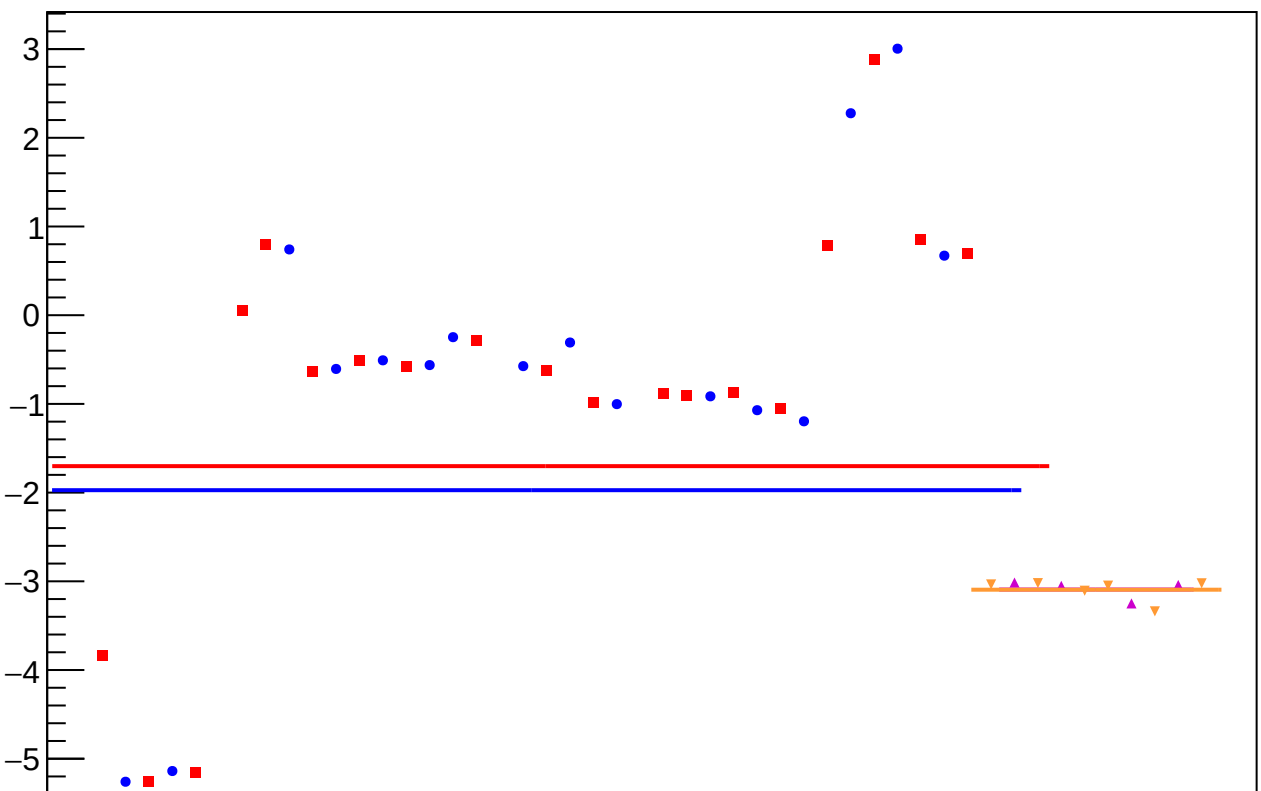
Left In: 0.068+/-0.000 χ^2/NDF:958378.3/3

+ sign 0.009+/-0.000 χ^2/NDF: 15158034.9/21

All: 0.009+/-0.000 χ^2/NDF: 28004755.5/44

- sign 0.009+/-0.000 χ^2/NDF: 12843823.3/22

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.095+/-0.000 χ^2/NDF:960517268.3/5

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

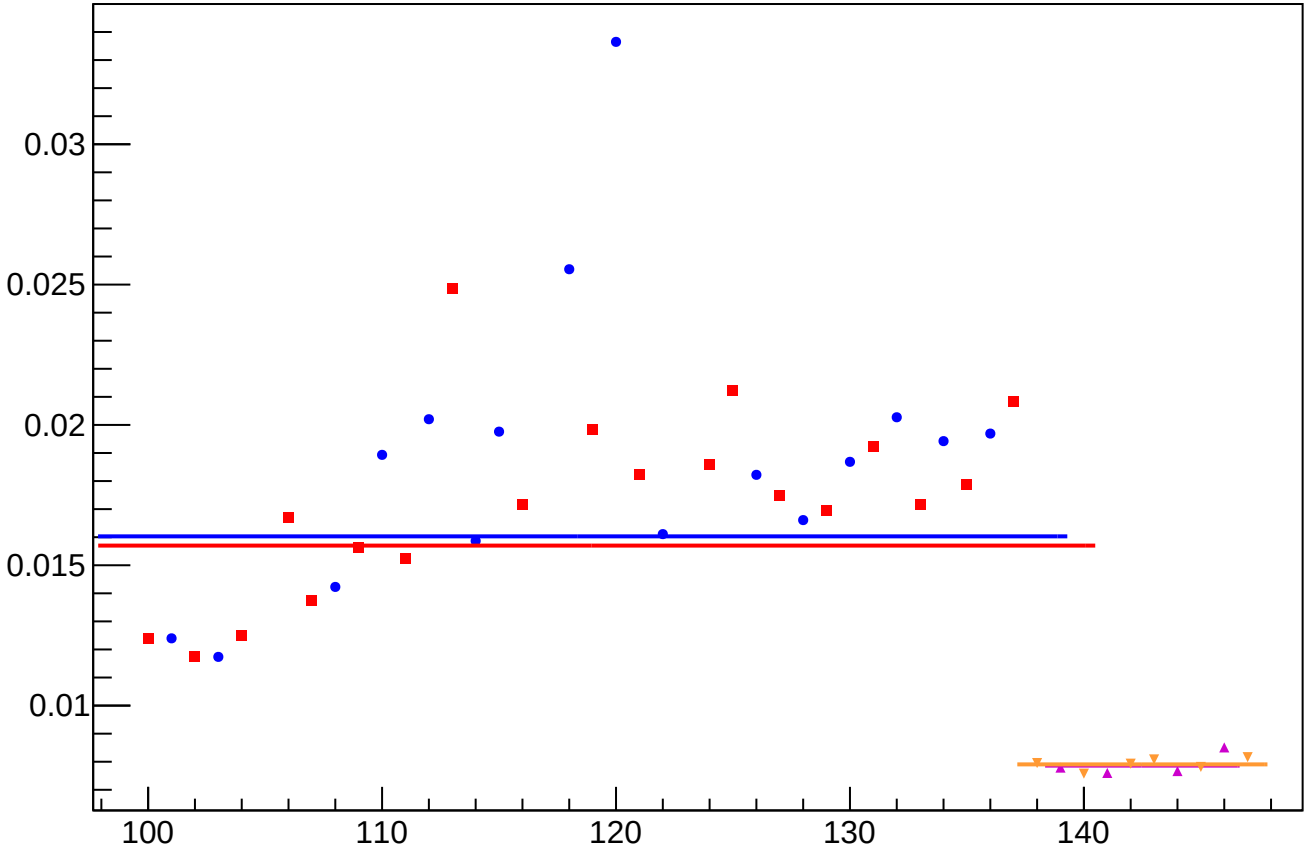
Left In: -3.093+/-0.000 χ^2/NDF:503874109.6/3

+ sign -2.818+/-0.000 χ^2/NDF: 184419966248.3/21

All: -2.739+/-0.000 χ^2/NDF: 388361553514.2

- sign -2.649+/-0.000 χ^2/NDF: 202715215476.6/22

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:5700.0/5

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

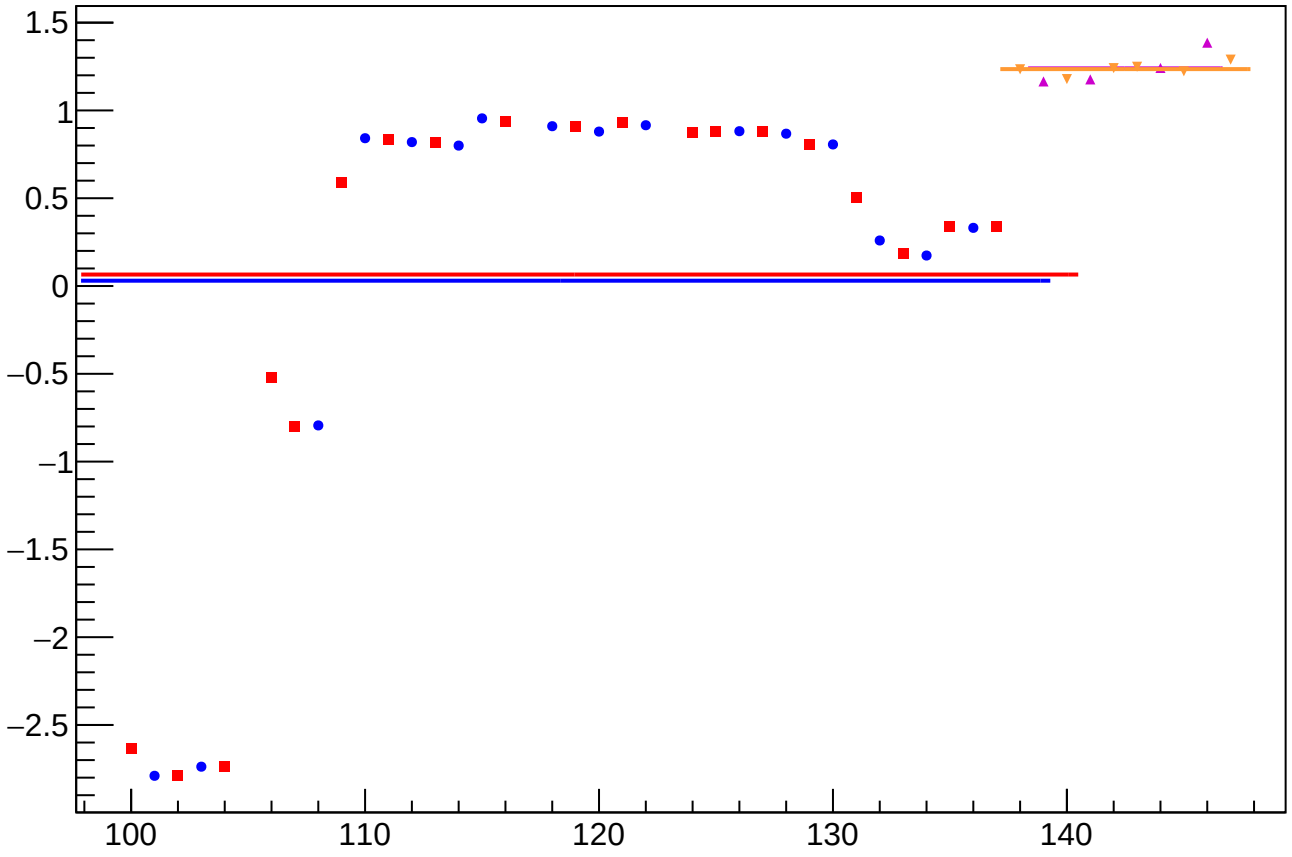
Left In: 0.008+/-0.000 χ^2/NDF:13276.2/3

+ sign 0.010+/-0.000 χ^2/NDF: 2994767.5/21

All: 0.010+/-0.000 χ^2/NDF: 5693339.4/44

- sign 0.010+/-0.000 χ^2/NDF: 2680958.4/22

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.235+/-0.000 χ^2/NDF:73491277.9/5

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

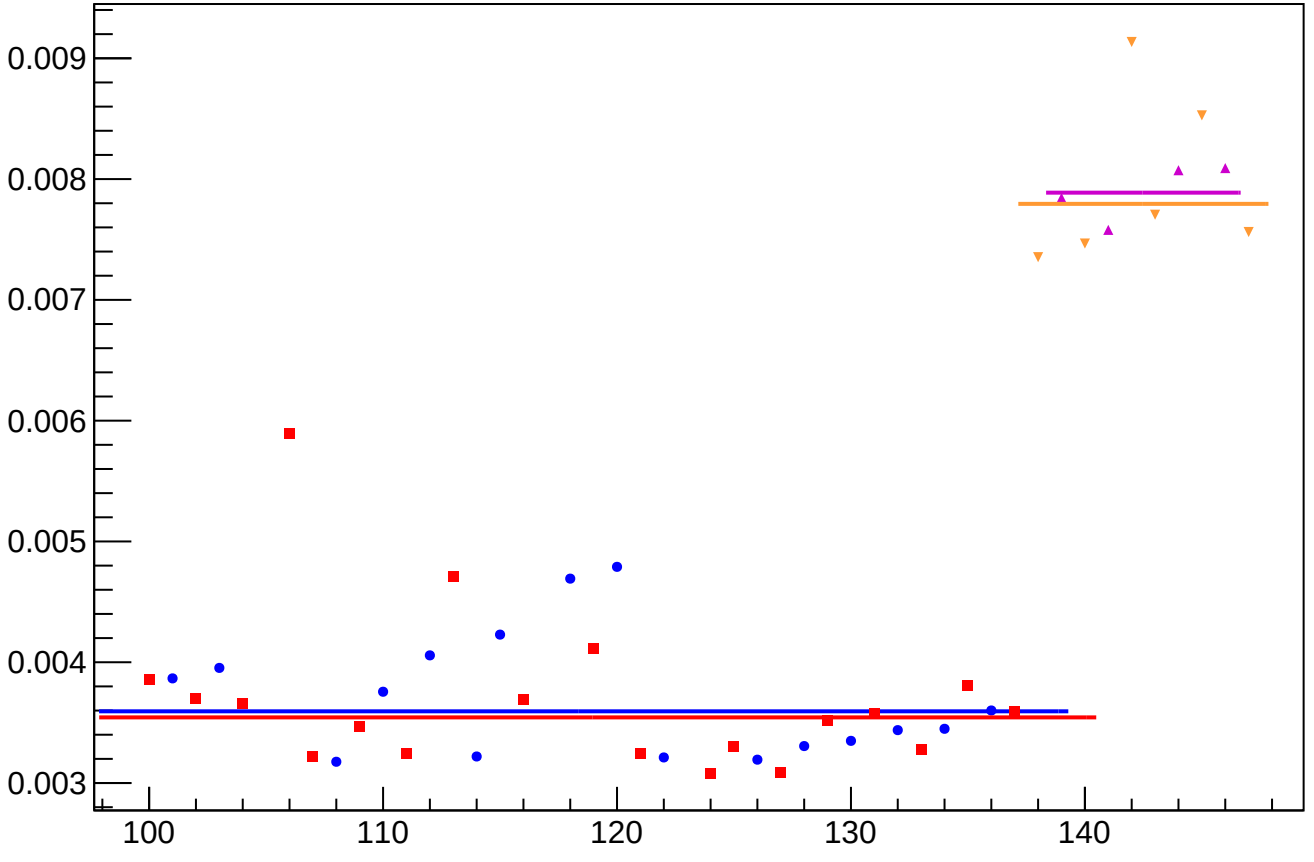
Left In: 1.240+/-0.000 χ^2/NDF:333245511.5/3

+ sign 0.150+/-0.000 χ^2/NDF: 927047086895.1/21

All: 0.151+/-0.000 χ^2/NDF: 1920076029096.

- sign 0.152+/-0.000 χ^2/NDF: 993027486102.1/22

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:33179.4/5

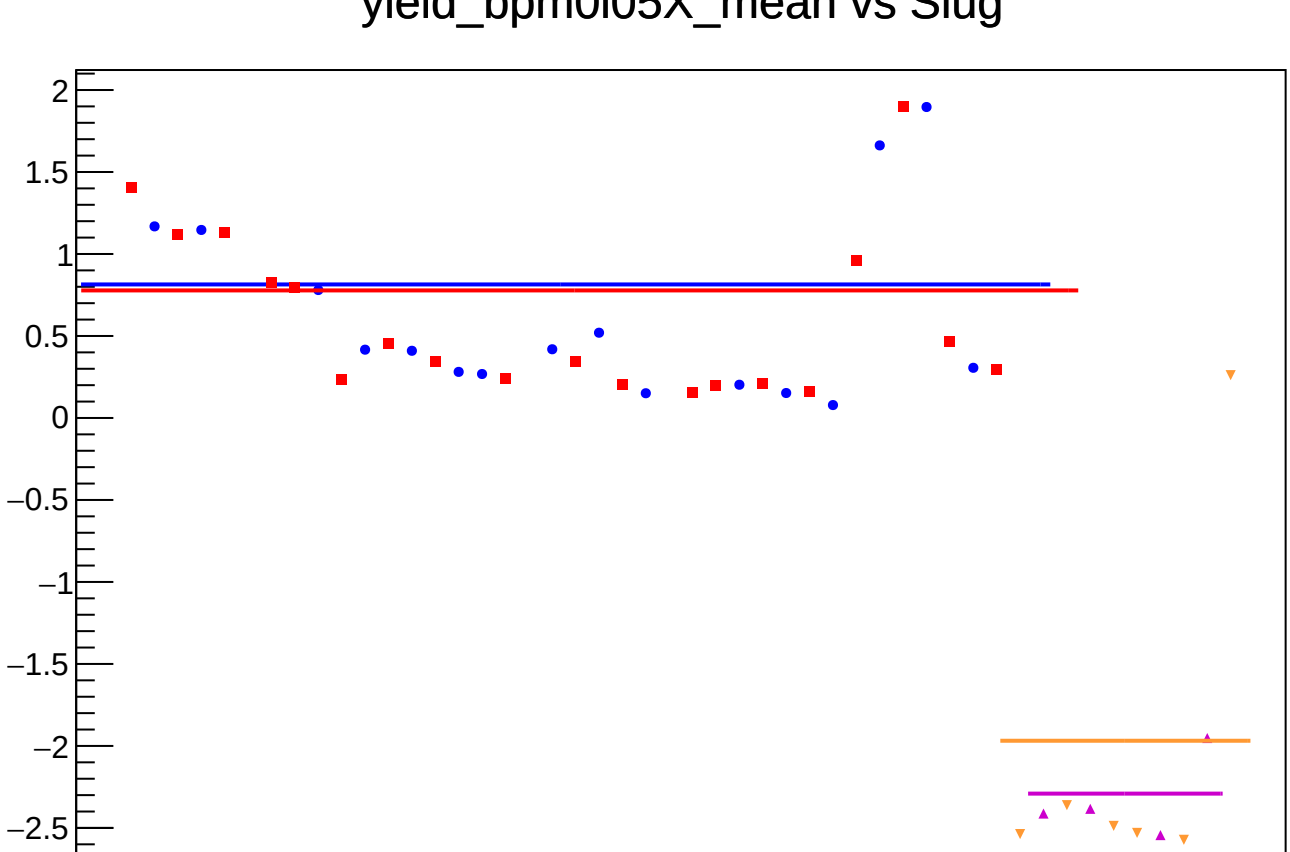
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:4019.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 2043711.9/21

All: 0.004+/-0.000 χ^2/NDF: 3851313.9/44

- sign 0.004+/-0.000 χ^2/NDF: 1794952.5/22



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.968+/-0.000 χ^2/NDF:84991787571.0/5

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

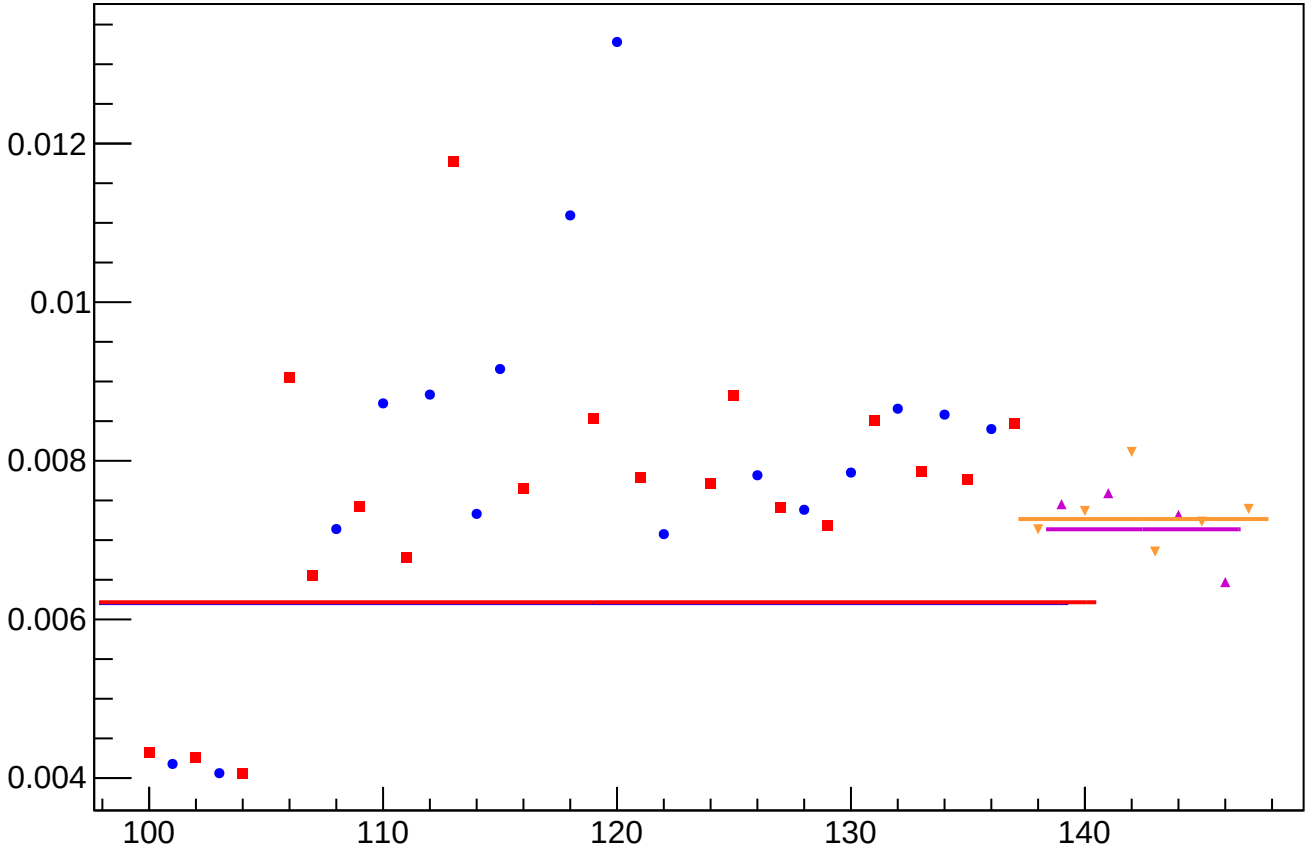
Left In: -2.291+/-0.000 χ^2/NDF:3391664809.1/3

+ sign -0.107+/-0.000 χ^2/NDF: 490304704899.7/21

All: -0.087+/-0.000 χ^2/NDF: 931141932915.5

- sign -0.066+/-0.000 χ^2/NDF: 440660371795.7/22

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13835.3/5

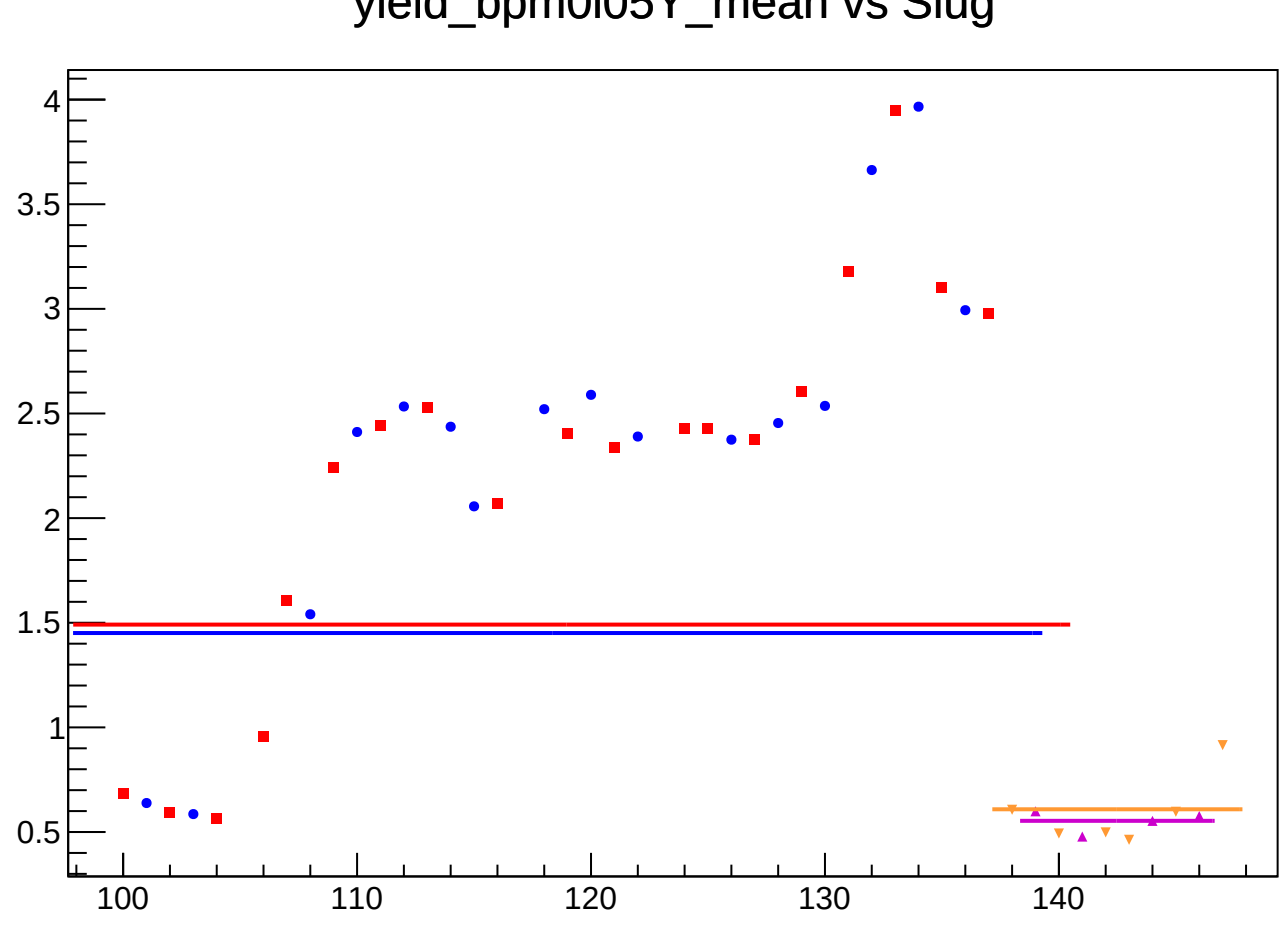
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:25645.0/3

+ sign 0.007+/-0.000 χ^2/NDF: 1544974.0/21

All: 0.007+/-0.000 χ^2/NDF: 2805796.4/44

- sign 0.006+/-0.000 χ^2/NDF: 1259184.2/22



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.609+/-0.000 χ^2/NDF:1733512703.6/5

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

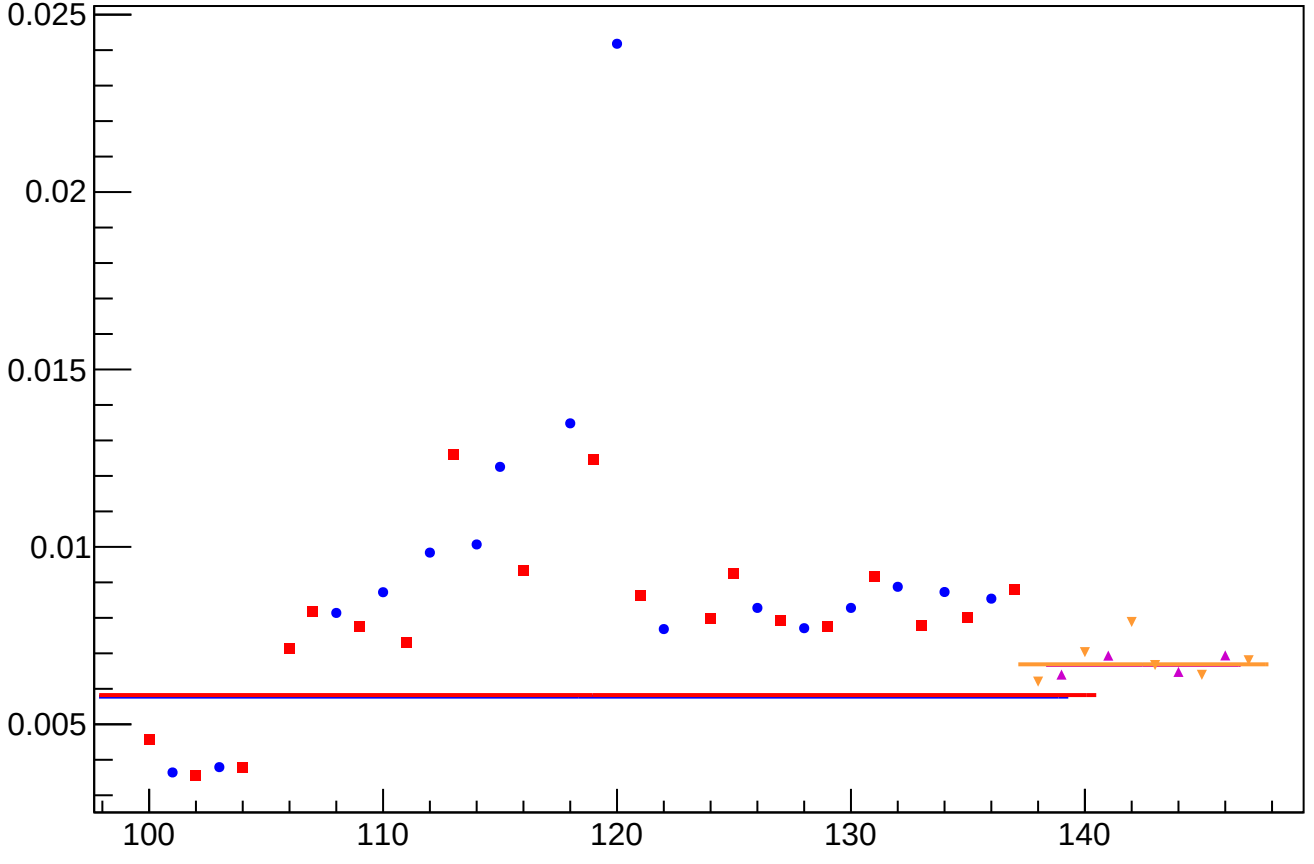
Left In: 0.553+/-0.000 χ^2/NDF:111602524.9/3

+ sign 1.175+/-0.000 χ^2/NDF: 206163155029.9/21

All: 1.209+/-0.000 χ^2/NDF: 431287482536.6

- sign 1.243+/-0.000 χ^2/NDF: 224615365675.9/22

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:27938.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

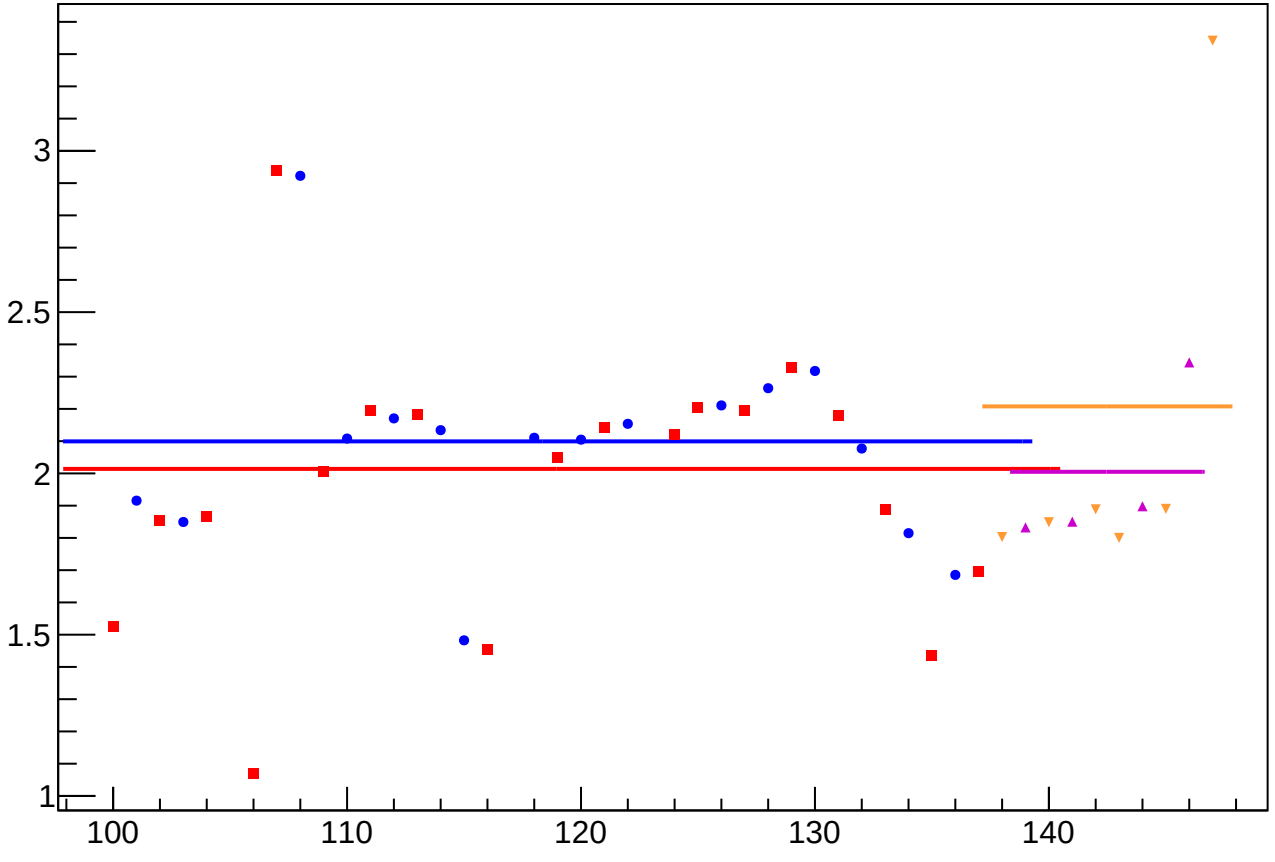
Left In: 0.007+/-0.000 χ^2/NDF:7249.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 2323036.3/21

All: 0.006+/-0.000 χ^2/NDF: 4347787.4/44

- sign 0.006+/-0.000 χ^2/NDF: 2024553.2/22

yield_bpm0l06X_mean vs Slug



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.208+/-0.000 χ^2/NDF:22966236067.9/5

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

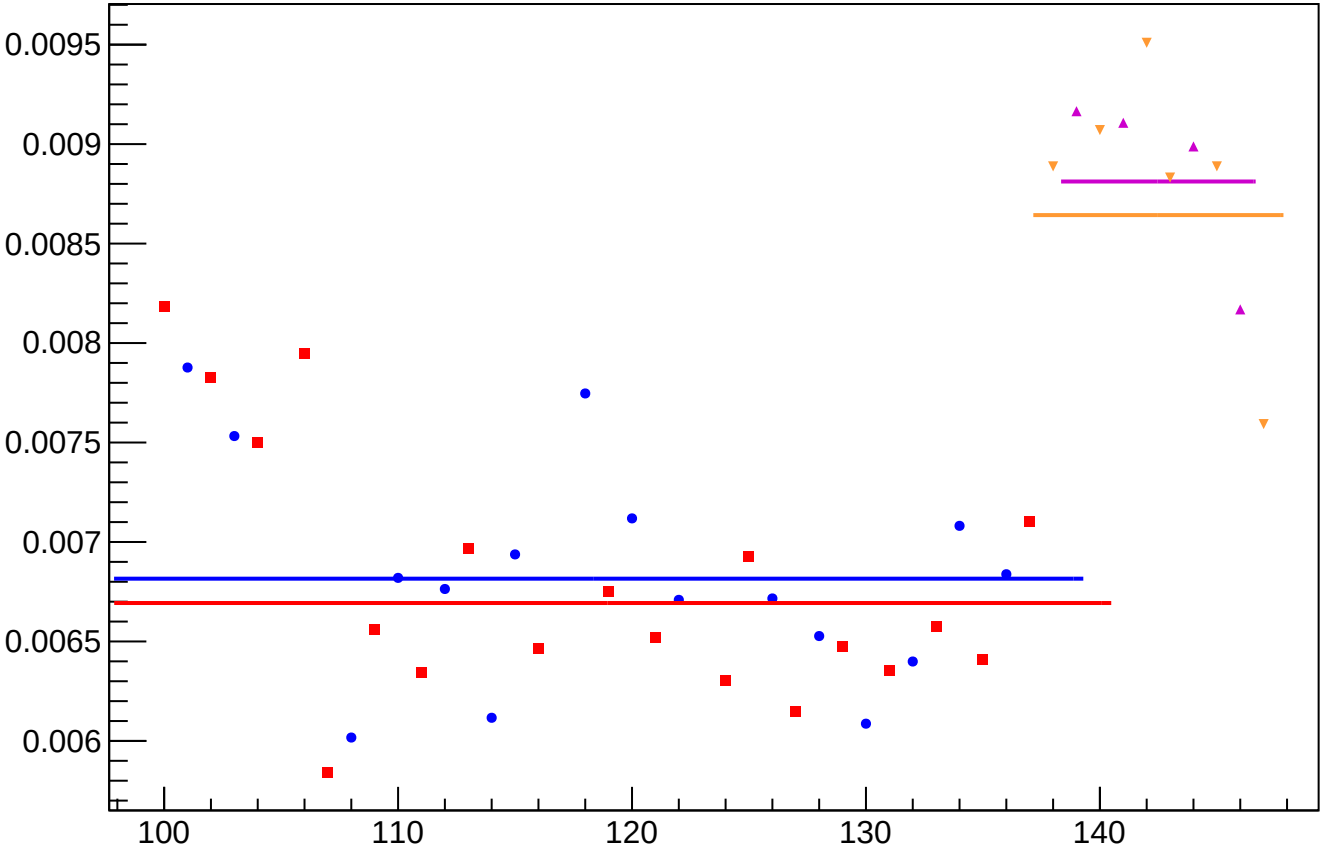
Left In: 2.005+/-0.000 χ^2/NDF:2094711941.8/3

+ sign 2.129+/-0.000 χ^2/NDF: 37366204547.1/21

All: 2.071+/-0.000 χ^2/NDF: 60457929528.4/4

- sign 2.012+/-0.000 χ^2/NDF: 21713299807.0/22

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:42689.0/5

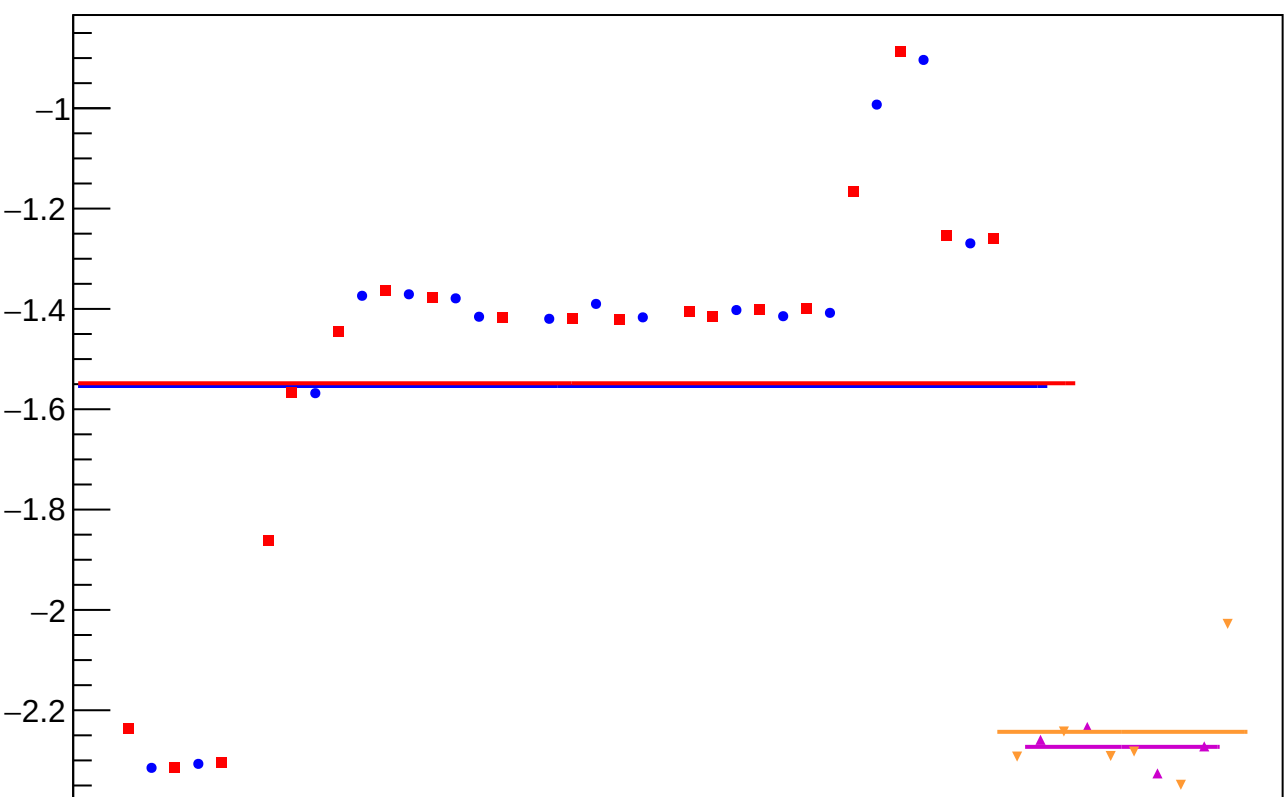
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:15207.3/3

+ sign 0.007+/-0.000 χ^2/NDF: 397392.8/21

All: 0.007+/-0.000 χ^2/NDF: 808302.4/44

- sign 0.007+/-0.000 χ^2/NDF: 404759.7/22



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.243+/-0.000 χ^2/NDF:4200911692.5/5

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

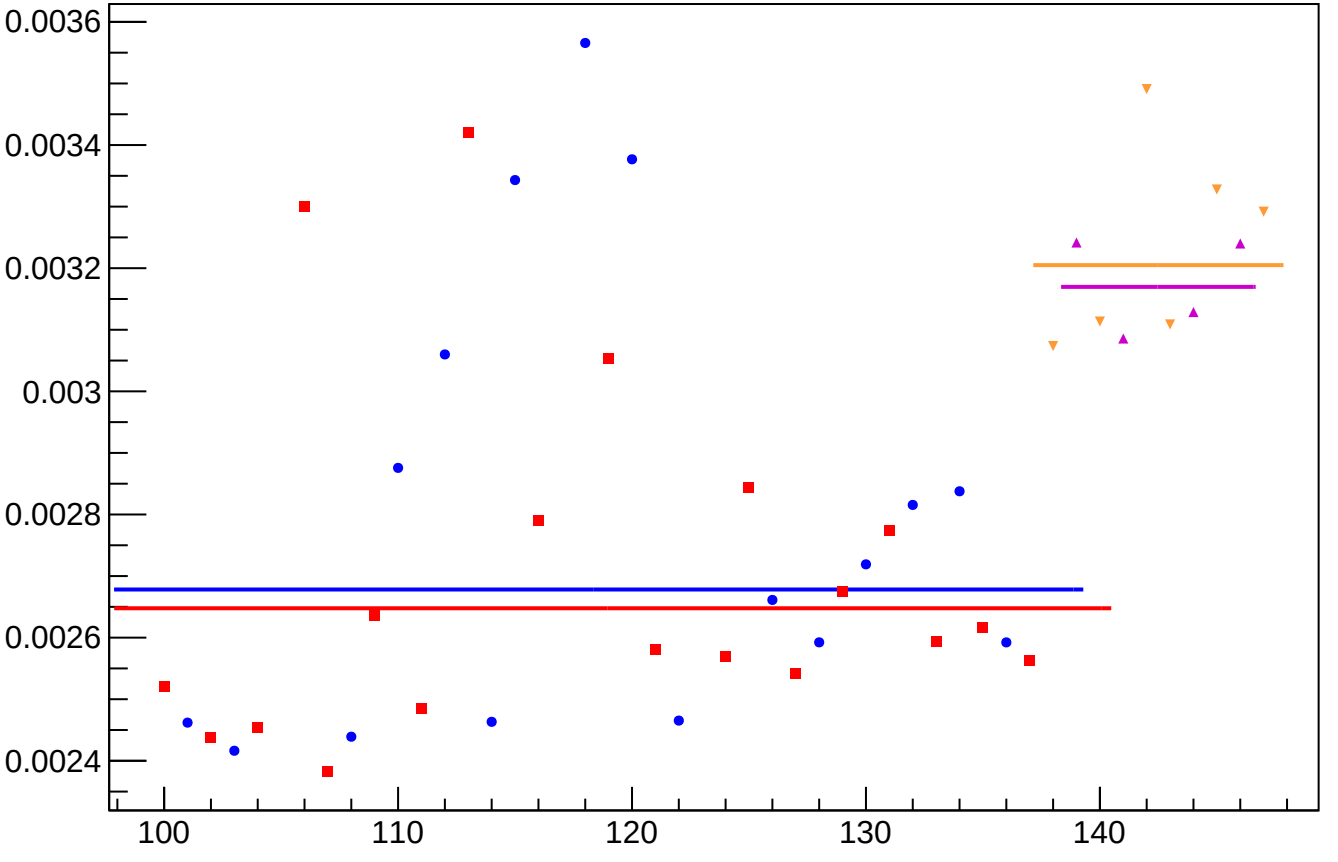
Left In: -2.273+/-0.000 χ^2/NDF:371049766.0/3

+ sign -1.753+/-0.000 χ^2/NDF: 307981700203.8/21

All: -1.736+/-0.000 χ^2/NDF: 607285738380.6

- sign -1.718+/-0.000 χ^2/NDF: 298518846610.2/22

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:13252.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

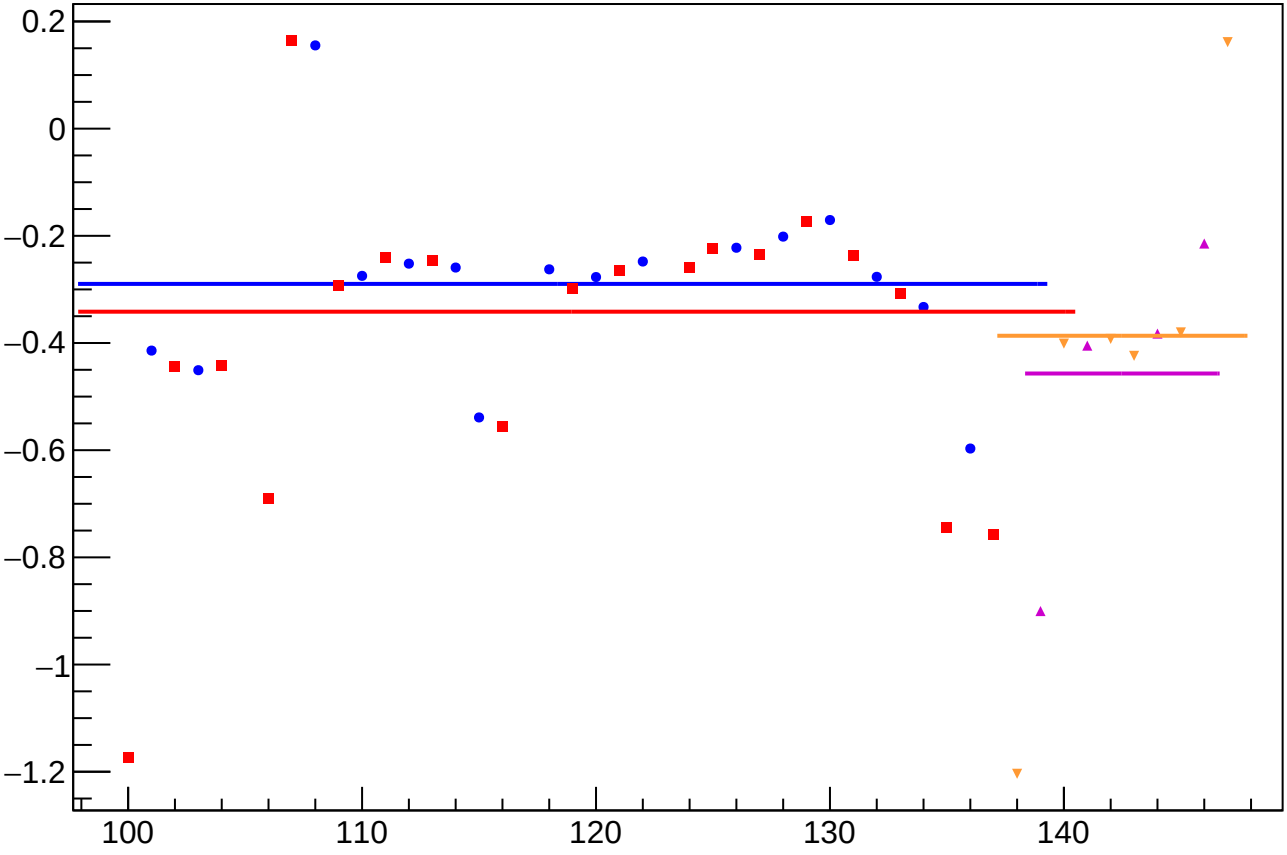
Left In: 0.003+/-0.000 χ^2/NDF:2882.6/3

+ sign 0.003+/-0.000 χ^2/NDF: 321327.8/21

All: 0.003+/-0.000 χ^2/NDF: 573132.3/44

- sign 0.003+/-0.000 χ^2/NDF: 247041.0/22

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.386+/-0.000 χ^2/NDF:3617777865.7/5

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

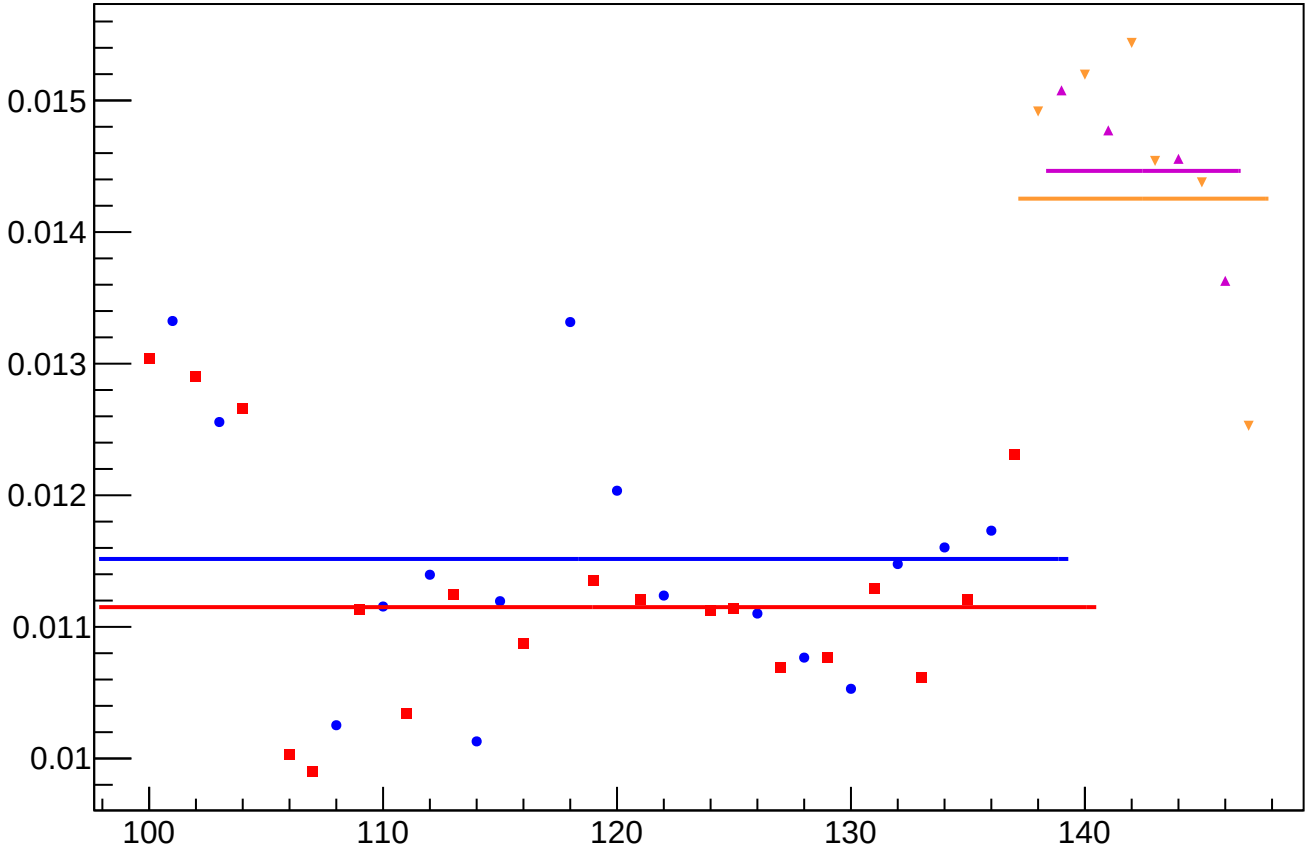
Left In: -0.457+/-0.000 χ^2/NDF:979688704.5/3

+ sign -0.317+/-0.000 χ^2/NDF: 5399715687.0/21

All: -0.342+/-0.000 χ^2/NDF: 9240640839.0/4

- sign -0.366+/-0.000 χ^2/NDF: 3752804289.6/22

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:43898.5/5

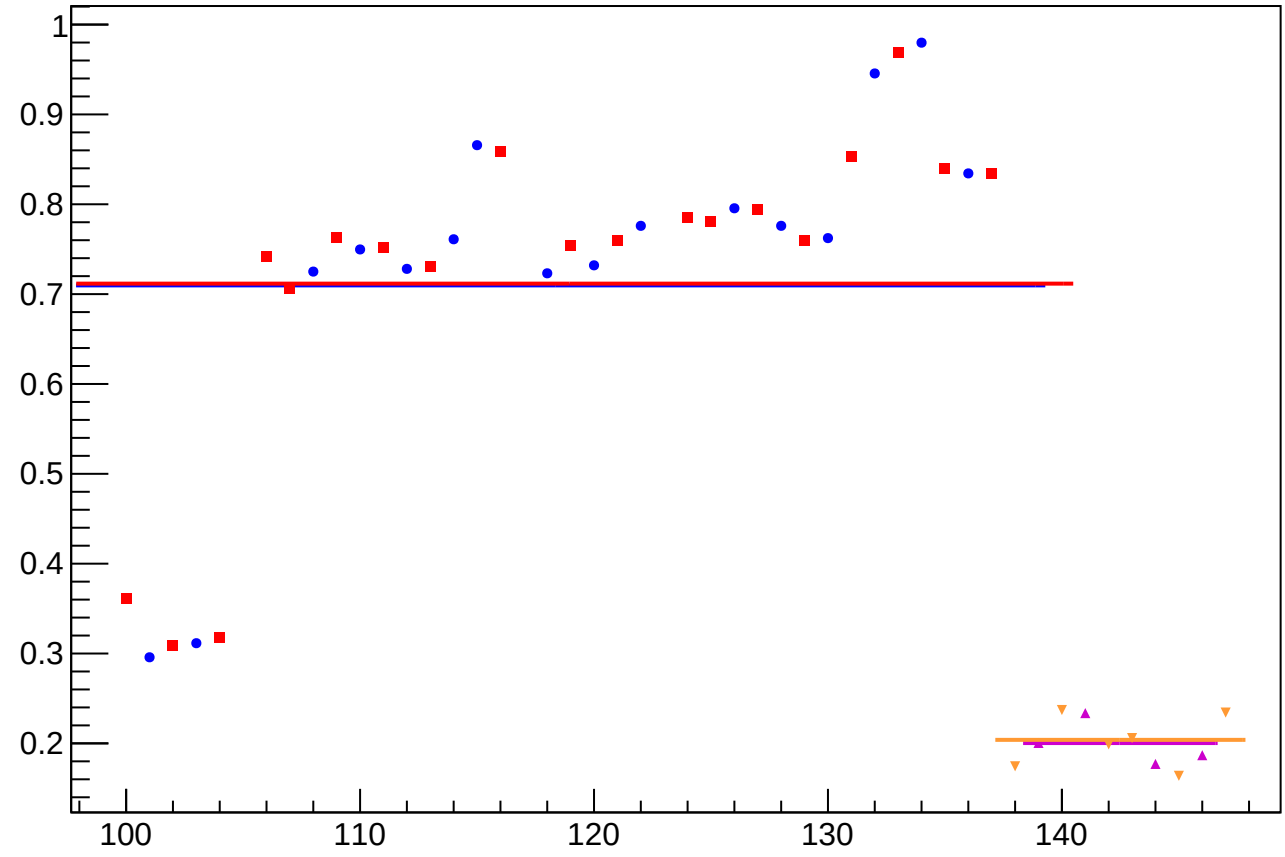
Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:9535.2/3

+ sign 0.012+/-0.000 χ^2/NDF: 347156.8/21

All: 0.012+/-0.000 χ^2/NDF: 711625.5/44

- sign 0.012+/-0.000 χ^2/NDF: 350708.3/22



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.204+/-0.000 χ^2/NDF:796668414.5/5

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

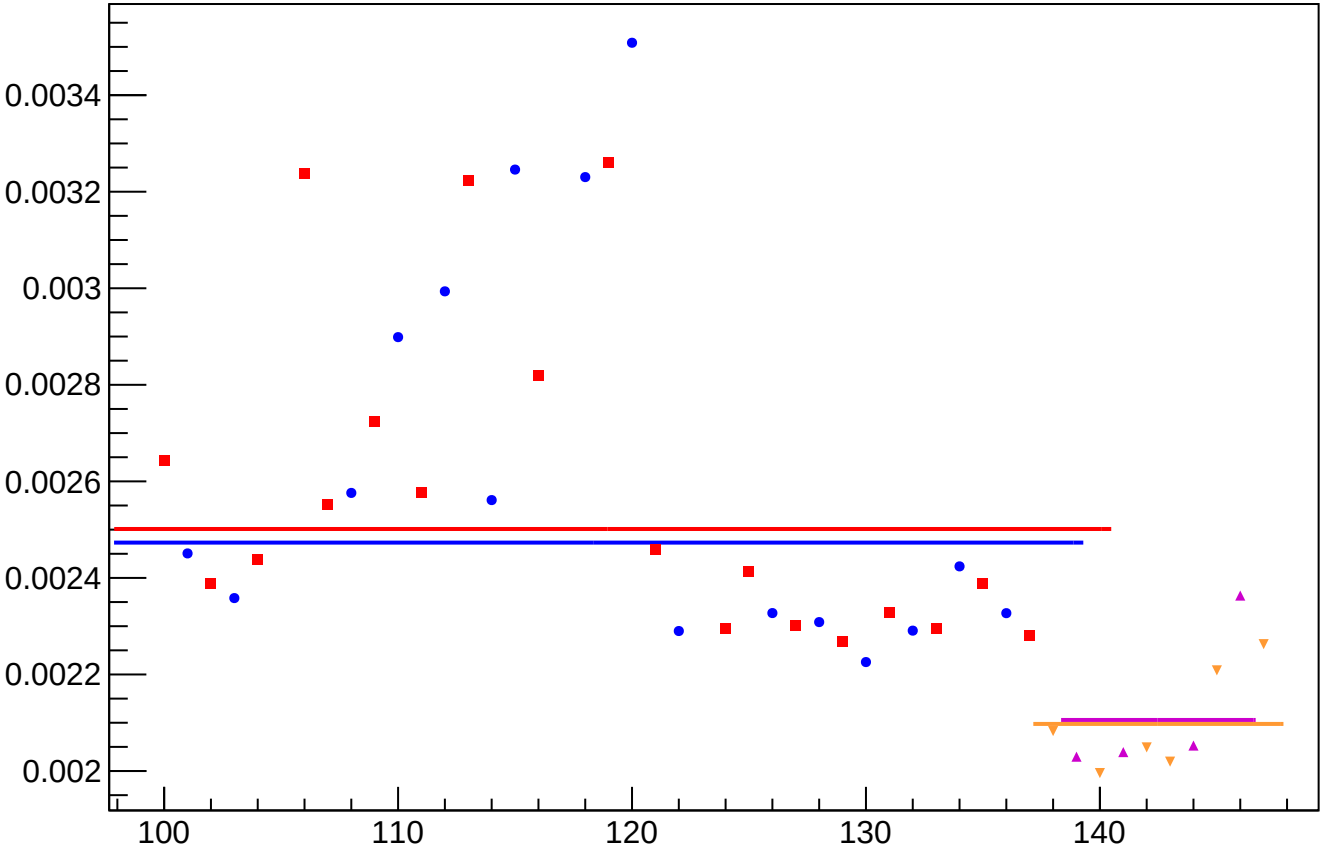
Left In: 0.200+/-0.000 χ^2/NDF:376909051.4/3

+ sign 0.469+/-0.000 χ^2/NDF: 185531957094.8/21

All: 0.484+/-0.000 χ^2/NDF: 351994251051.2

- sign 0.501+/-0.000 χ^2/NDF: 165393985555.5/22

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:20106.6/5

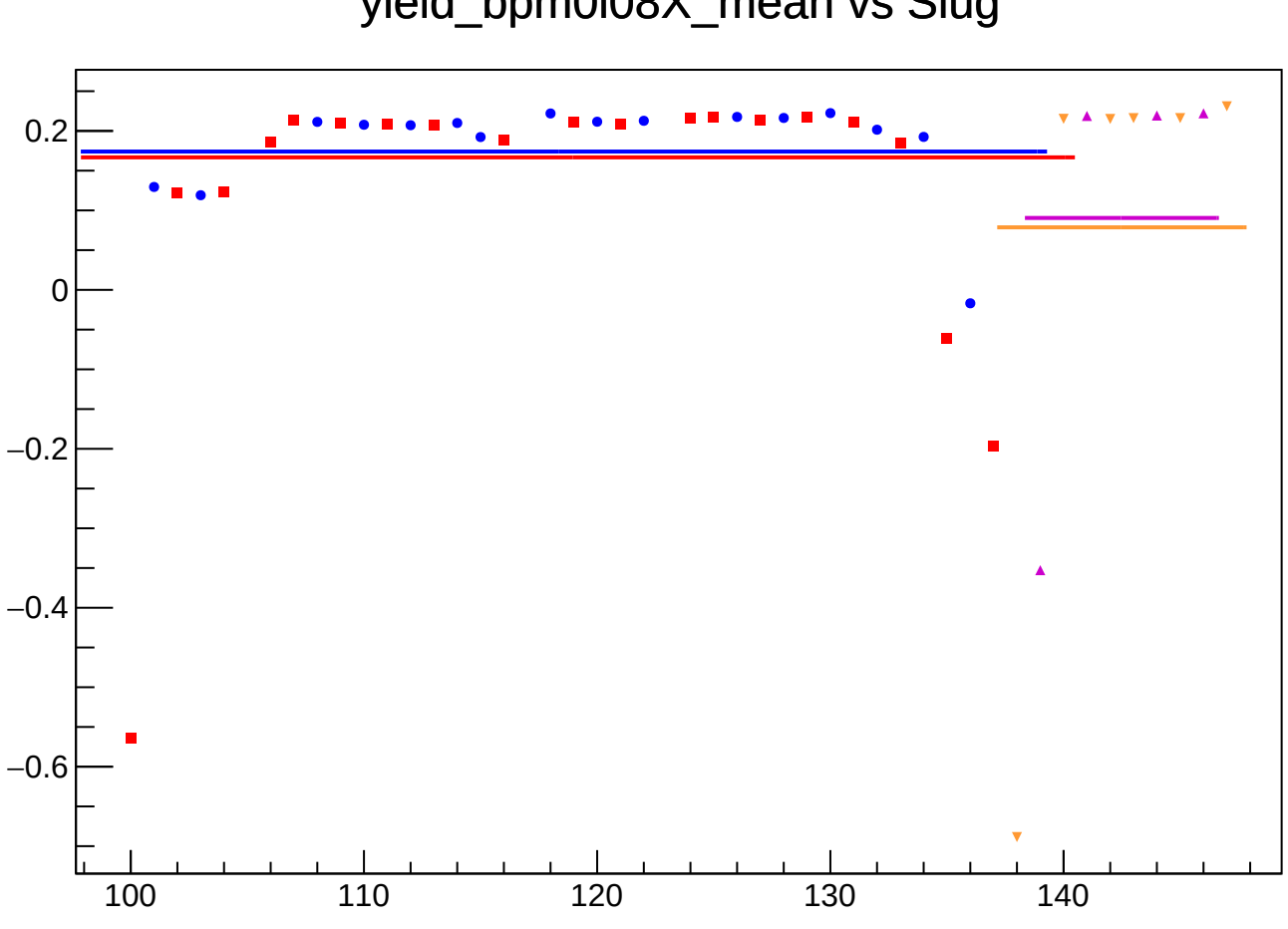
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:26433.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 377917.2/21

All: 0.002+/-0.000 χ^2/NDF: 730424.7/44

- sign 0.002+/-0.000 χ^2/NDF: 348537.4/22



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.079+/-0.000 χ^2/NDF:2714463405.2/5

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

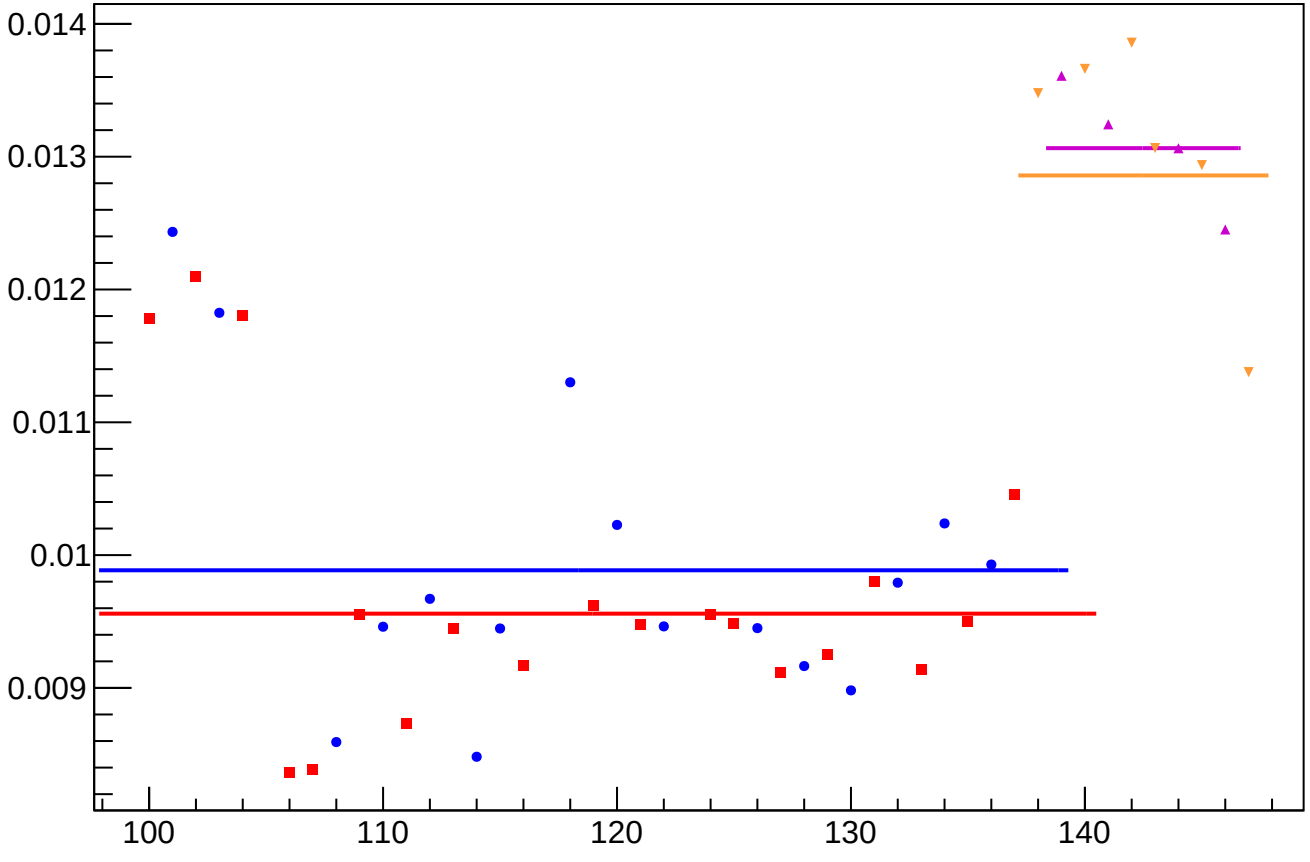
Left In: 0.090+/-0.000 χ^2/NDF:1100736329.8/3

+ sign 0.149+/-0.000 χ^2/NDF: 3284122045.6/21

All: 0.150+/-0.000 χ^2/NDF: 5368933358.2/44

- sign 0.152+/-0.000 χ^2/NDF: 2084424847.9/22

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:39588.6/5

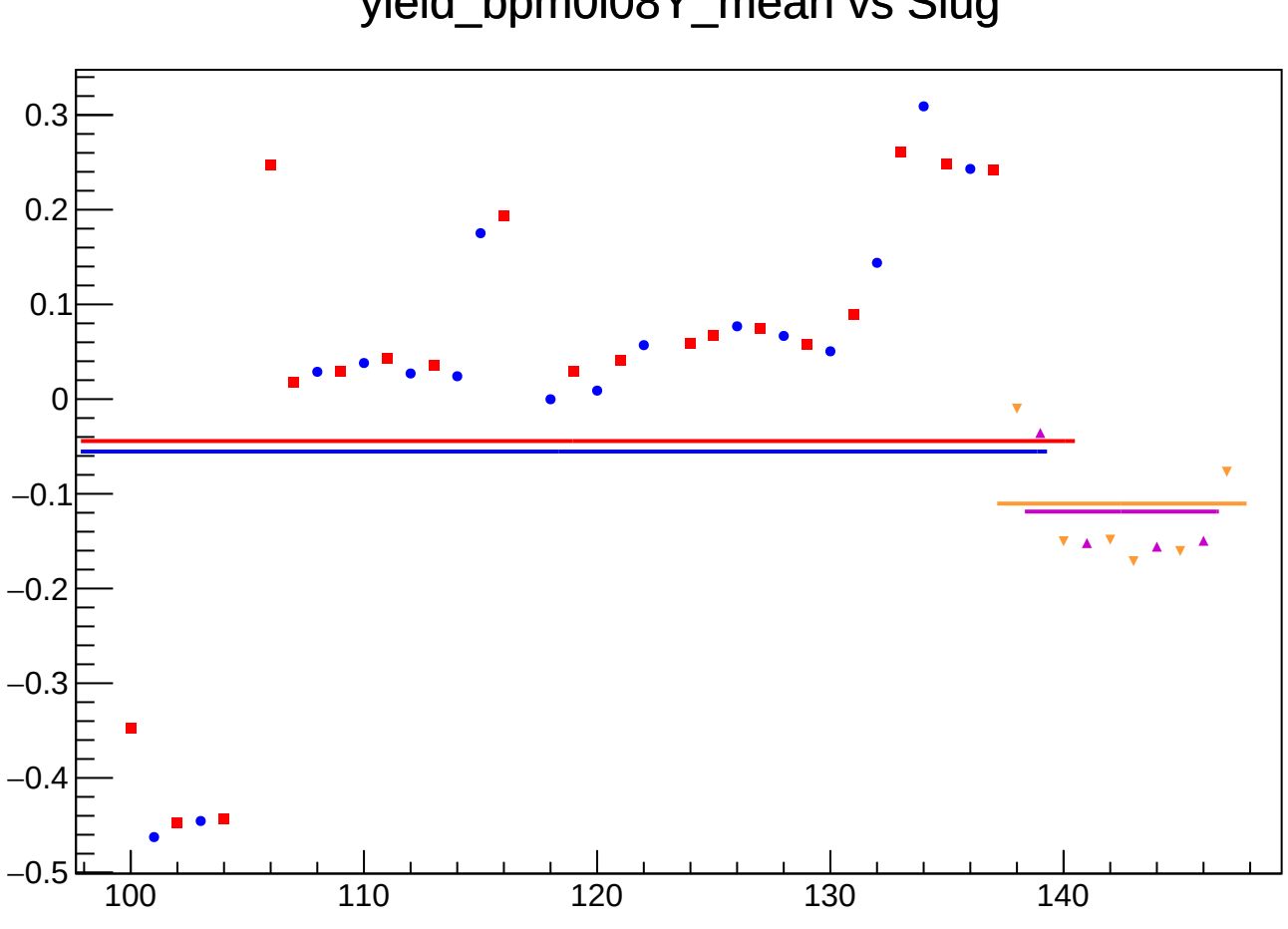
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:6791.7/3

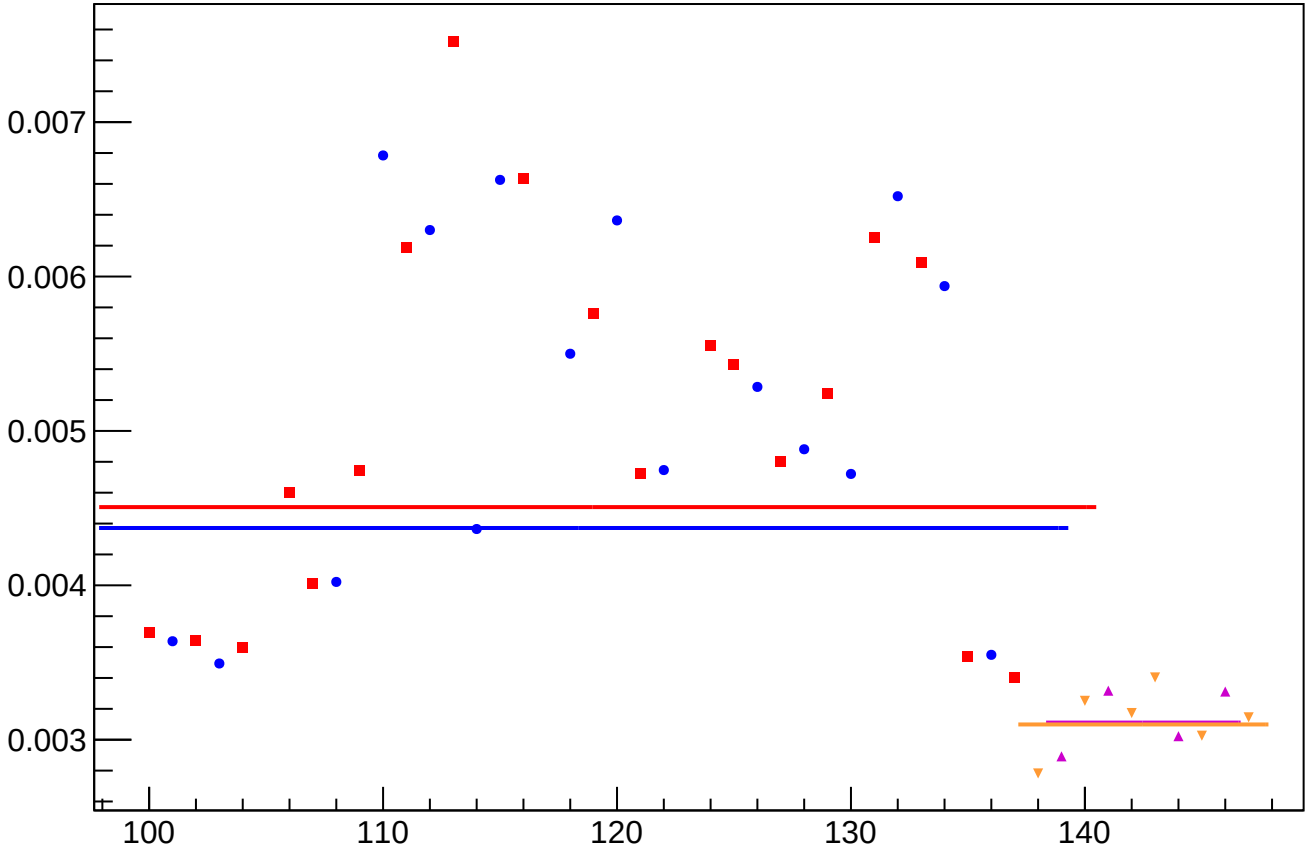
+ sign 0.011+/-0.000 χ^2/NDF: 514106.5/21

All: 0.010+/-0.000 χ^2/NDF: 1052920.8/44

- sign 0.010+/-0.000 χ^2/NDF: 521594.5/22


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.110+/-0.000 χ²/NDF:1652062340.8/5
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.119+/-0.000 χ²/NDF:945416408.3/3
+ sign -0.087+/-0.000 χ²/NDF: 26287764952.5/21
All: -0.085+/-0.000 χ²/NDF: 50274032338.5/
- sign -0.083+/-0.000 χ²/NDF: 23980013043.9/22

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:35548.7/5

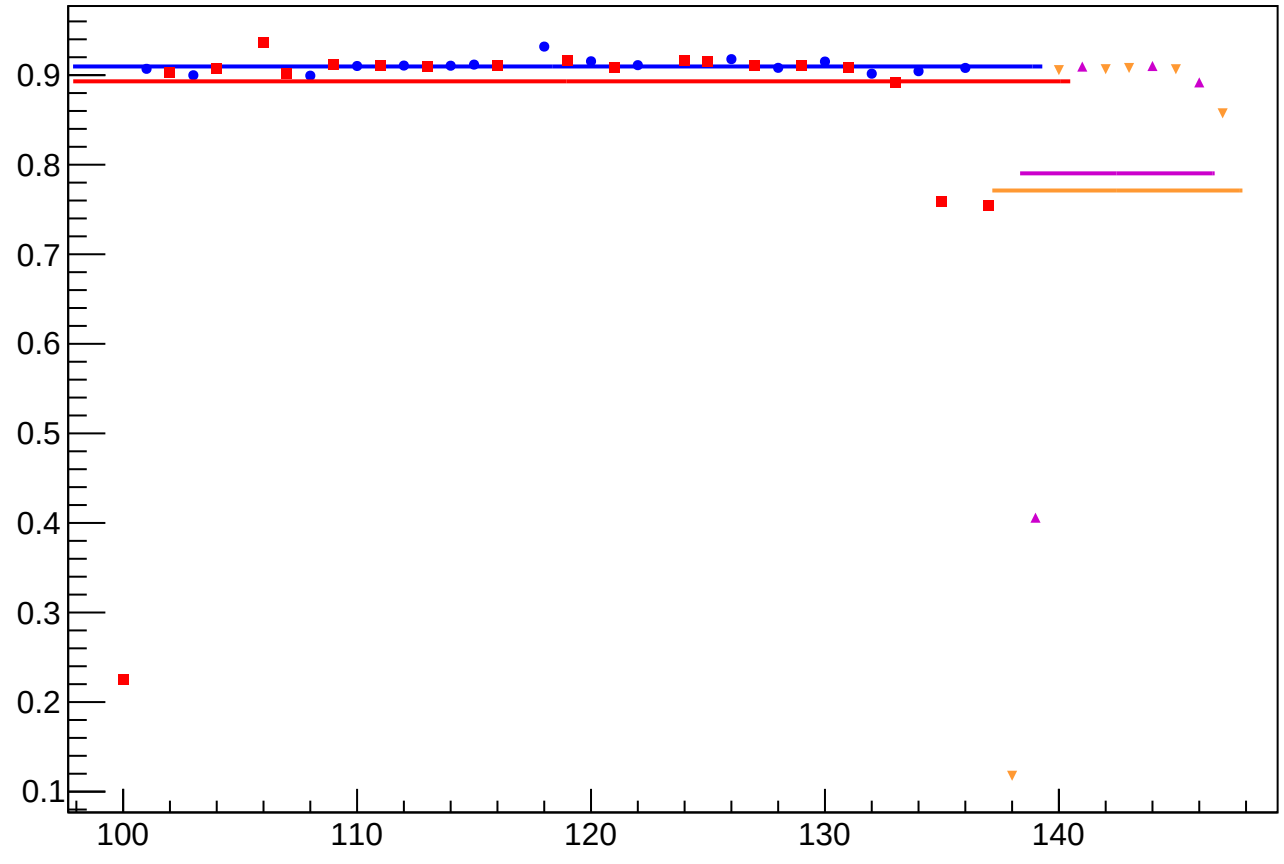
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:22716.1/3

+ sign 0.004+/-0.000 χ^2/NDF: 1289276.5/21

All: 0.004+/-0.000 χ^2/NDF: 2662880.1/44

- sign 0.004+/-0.000 χ^2/NDF: 1358664.7/22



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.771+/-0.000 χ^2/NDF:2154384551.6/5

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

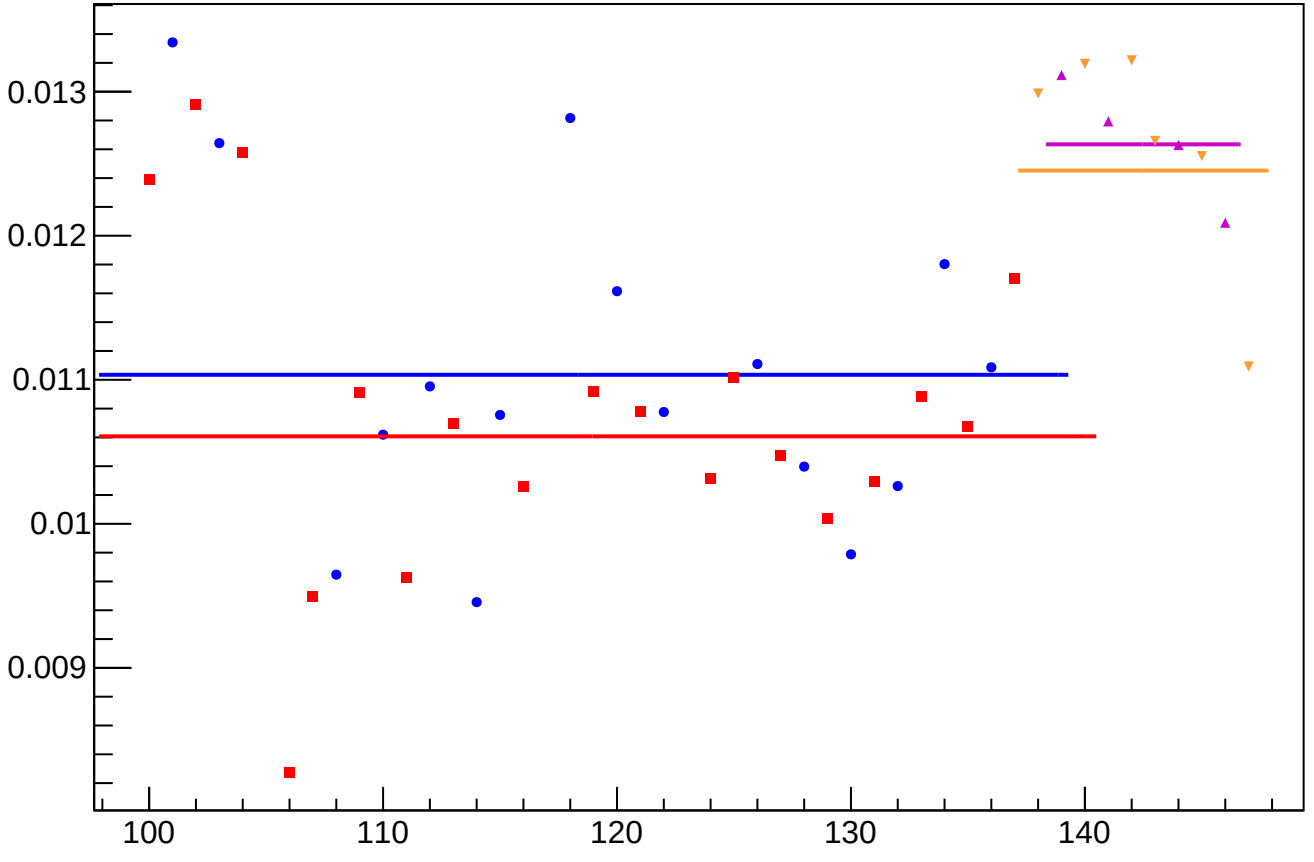
Left In: 0.790+/-0.000 χ^2/NDF:901971485.5/3

+ sign 0.865+/-0.000 χ^2/NDF: 2507569122.6/21

All: 0.866+/-0.000 χ^2/NDF: 3902995433.5/44

- sign 0.868+/-0.000 χ^2/NDF: 1395014157.6/22

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:34363.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

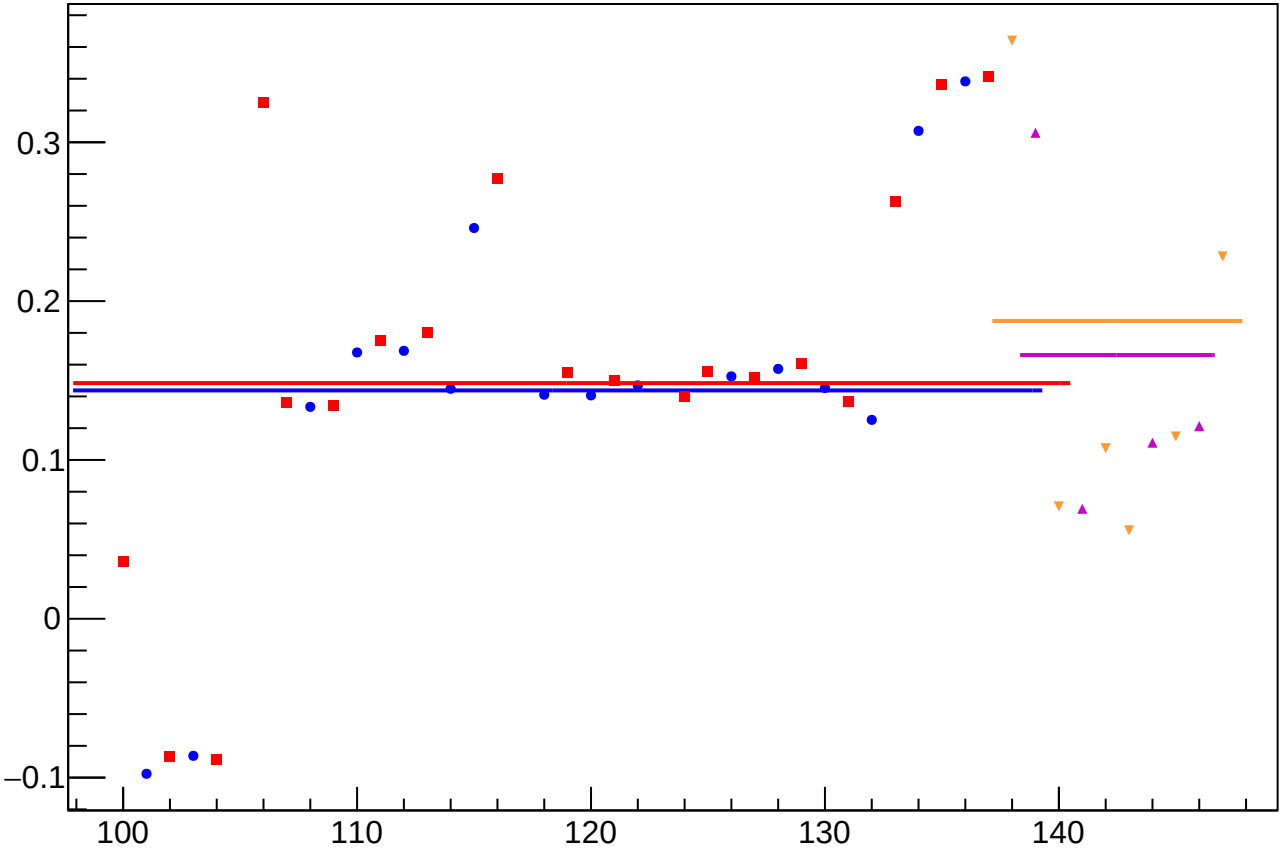
Left In: 0.013+/-0.000 χ^2/NDF:5752.3/3

+ sign 0.011+/-0.000 χ^2/NDF: 238100.4/21

All: 0.011+/-0.000 χ^2/NDF: 529169.6/44

- sign 0.011+/-0.000 χ^2/NDF: 278205.9/22

yield_bpm0l09Y_mean vs Slug



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:4067589263.3/5

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

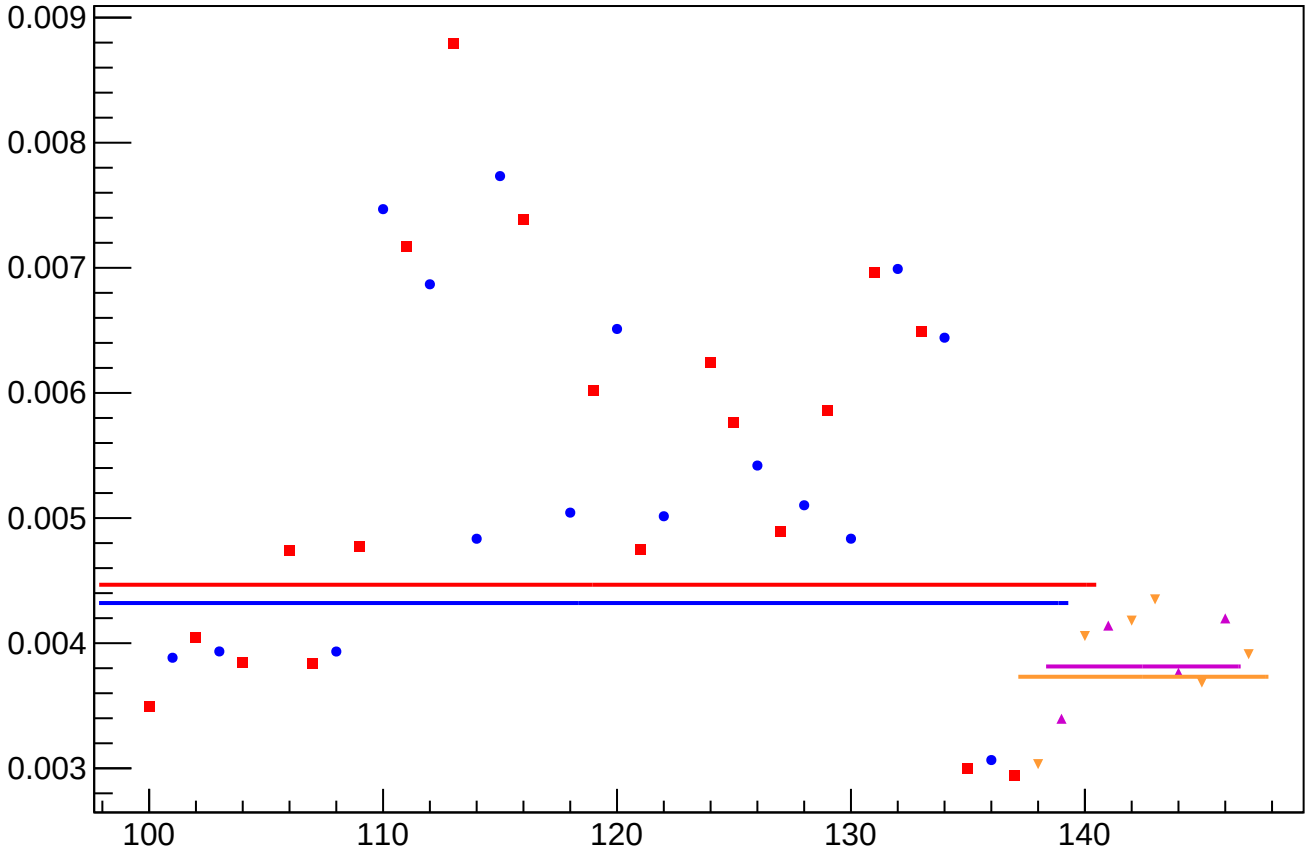
Left In: 0.166+/-0.000 χ^2/NDF:1979743615.8/3

+ sign 0.165+/-0.000 χ^2/NDF: 12215329604.7/21

All: 0.161+/-0.000 χ^2/NDF: 21384178864.0/4

- sign 0.156+/-0.000 χ^2/NDF: 9146907508.5/22

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:123161.8/5

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

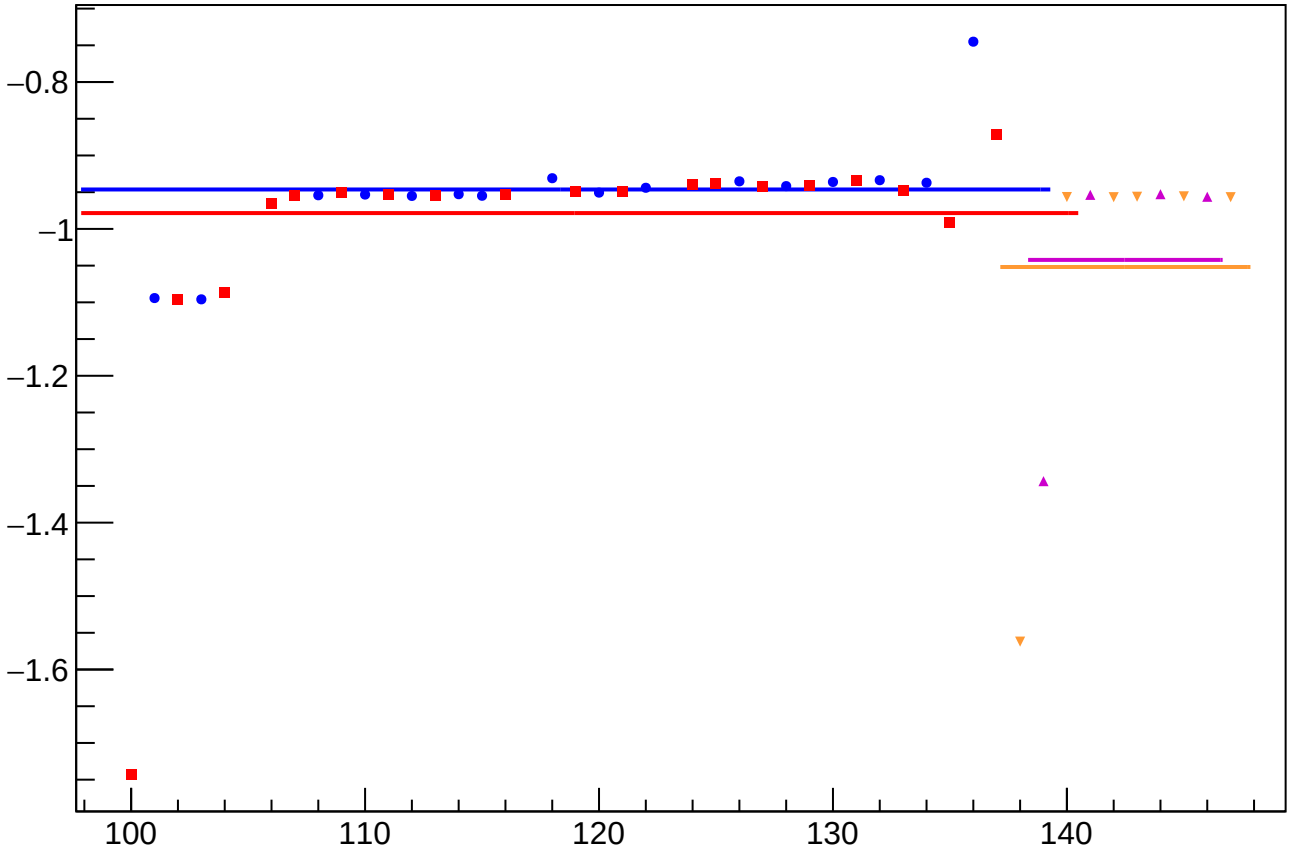
Left In: 0.004+/-0.000 χ^2/NDF:45537.2/3

+ sign 0.004+/-0.000 χ^2/NDF: 1103304.7/21

All: 0.004+/-0.000 χ^2/NDF: 2353309.2/44

- sign 0.004+/-0.000 χ^2/NDF: 1236602.0/22

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.052+/-0.000 χ^2/NDF:1685702321.8/5

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

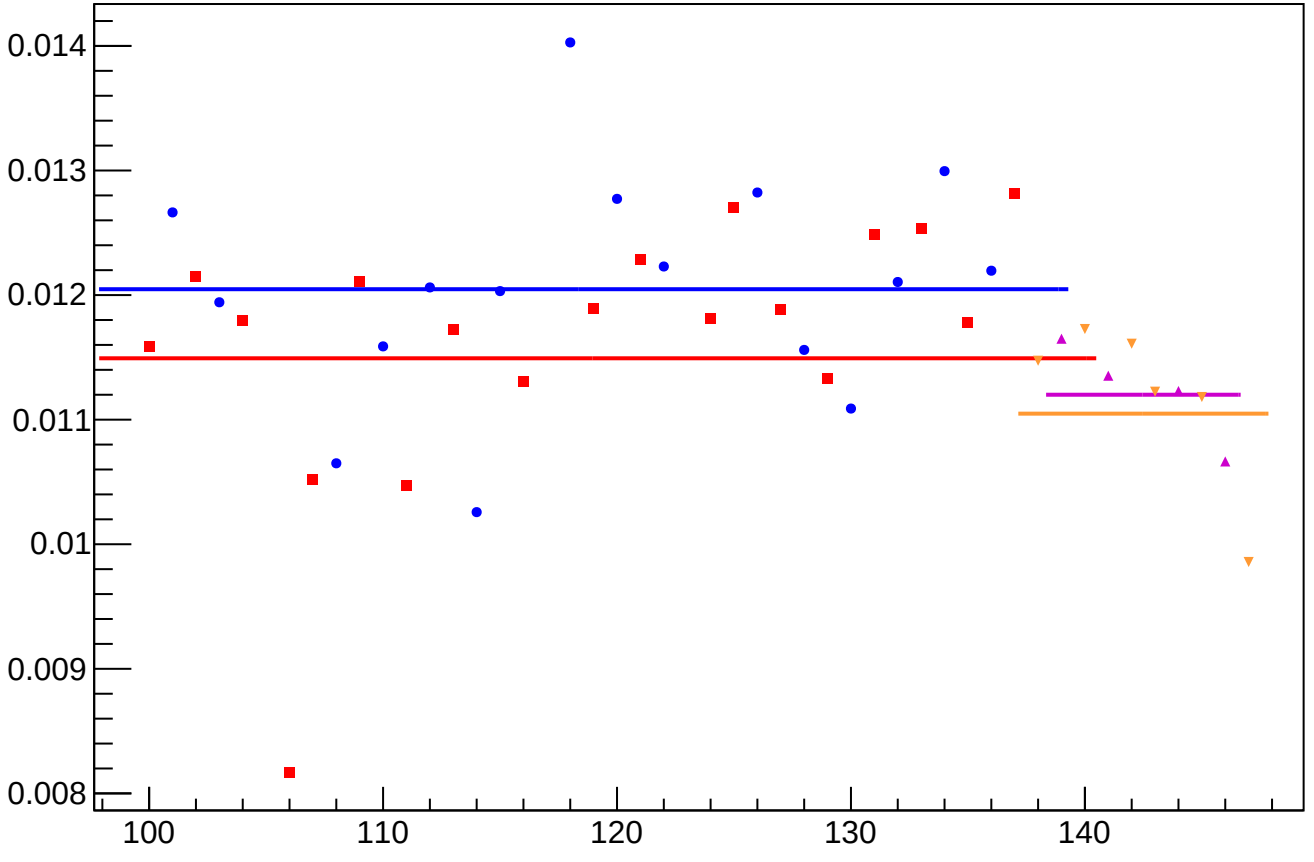
Left In: -1.042+/-0.000 χ^2/NDF:703996890.0/3

+ sign -0.991+/-0.000 χ^2/NDF: 2313018574.6/21

All: -0.995+/-0.000 χ^2/NDF: 3553508843.5/4

- sign -0.999+/-0.000 χ^2/NDF: 1237537828.3/22

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:32957.1/5

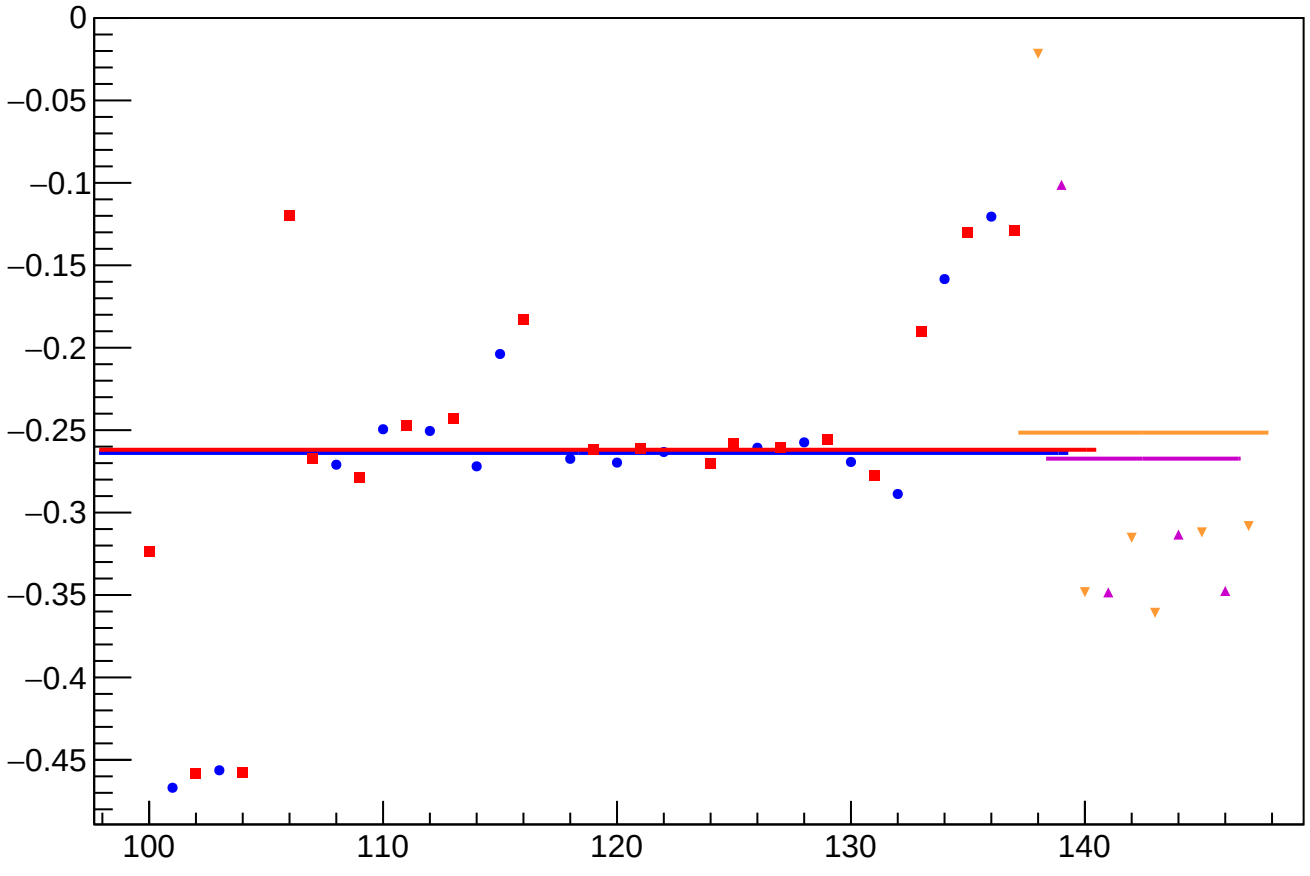
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:6913.8/3

+ sign 0.012+/-0.000 χ^2/NDF: 135331.5/21

All: 0.012+/-0.000 χ^2/NDF: 300866.1/44

- sign 0.011+/-0.000 χ^2/NDF: 161273.7/22



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.252+/-0.000 χ^2/NDF:3911517843.8/5

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

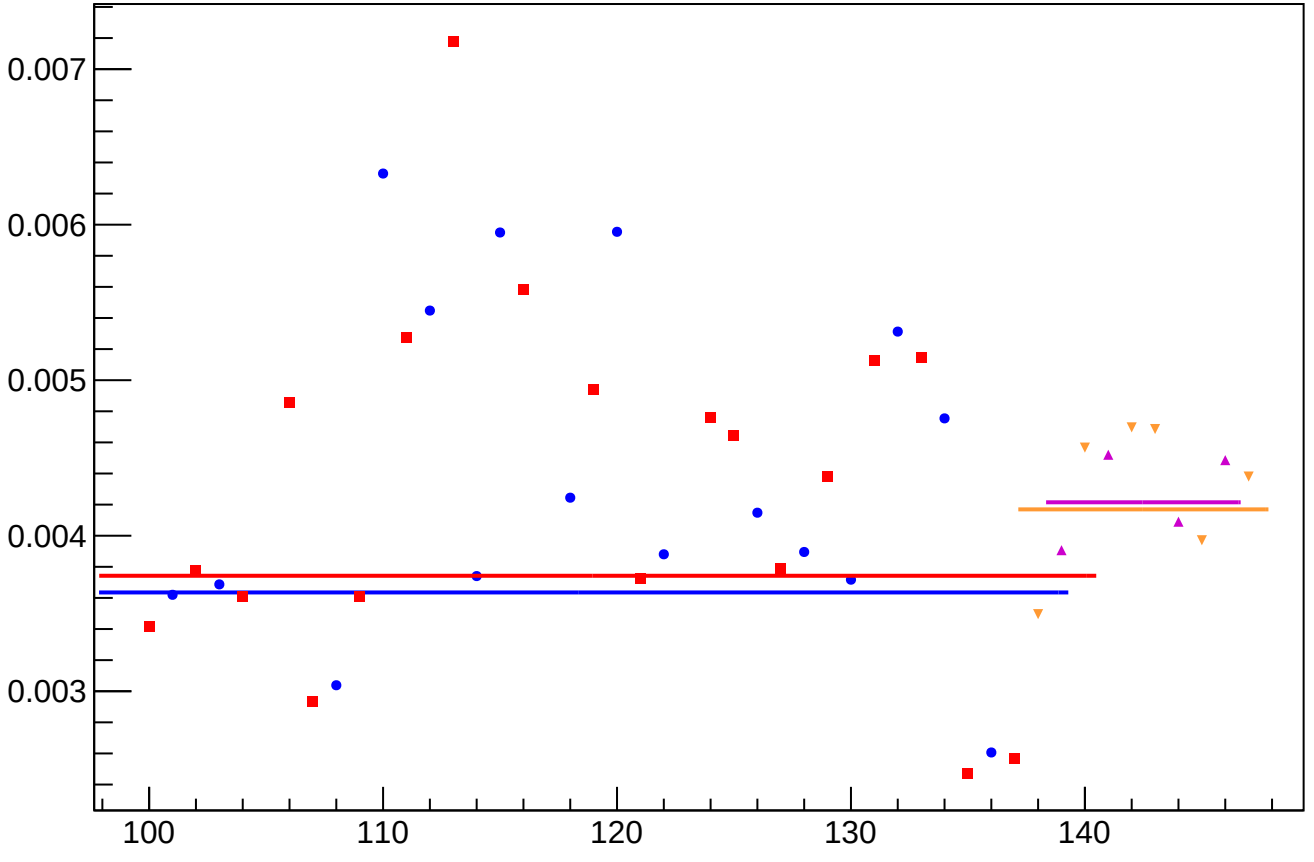
Left In: -0.267+/-0.000 χ^2/NDF:1910424926.5/3

+ sign -0.260+/-0.000 χ^2/NDF: 10039800837.6/21

All: -0.261+/-0.000 χ^2/NDF: 17208118762.7/

- sign -0.263+/-0.000 χ^2/NDF: 7163983131.9/22

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:92980.1/5

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

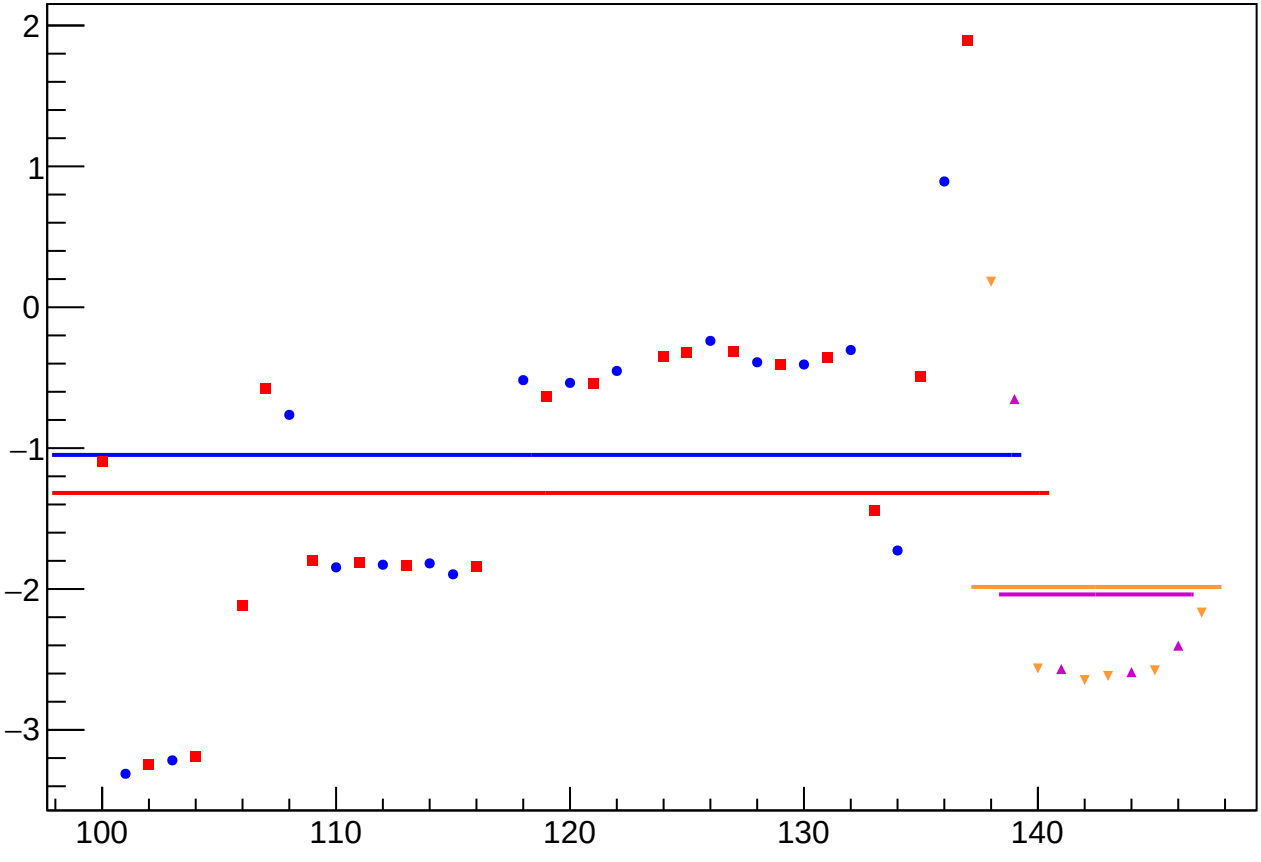
Left In: 0.004+/-0.000 χ^2/NDF:22764.2/3

+ sign 0.004+/-0.000 χ^2/NDF: 905062.6/21

All: 0.004+/-0.000 χ^2/NDF: 1878483.6/44

- sign 0.004+/-0.000 χ^2/NDF: 971057.5/22

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.985+/-0.000 χ^2/NDF:894058582.9/5

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

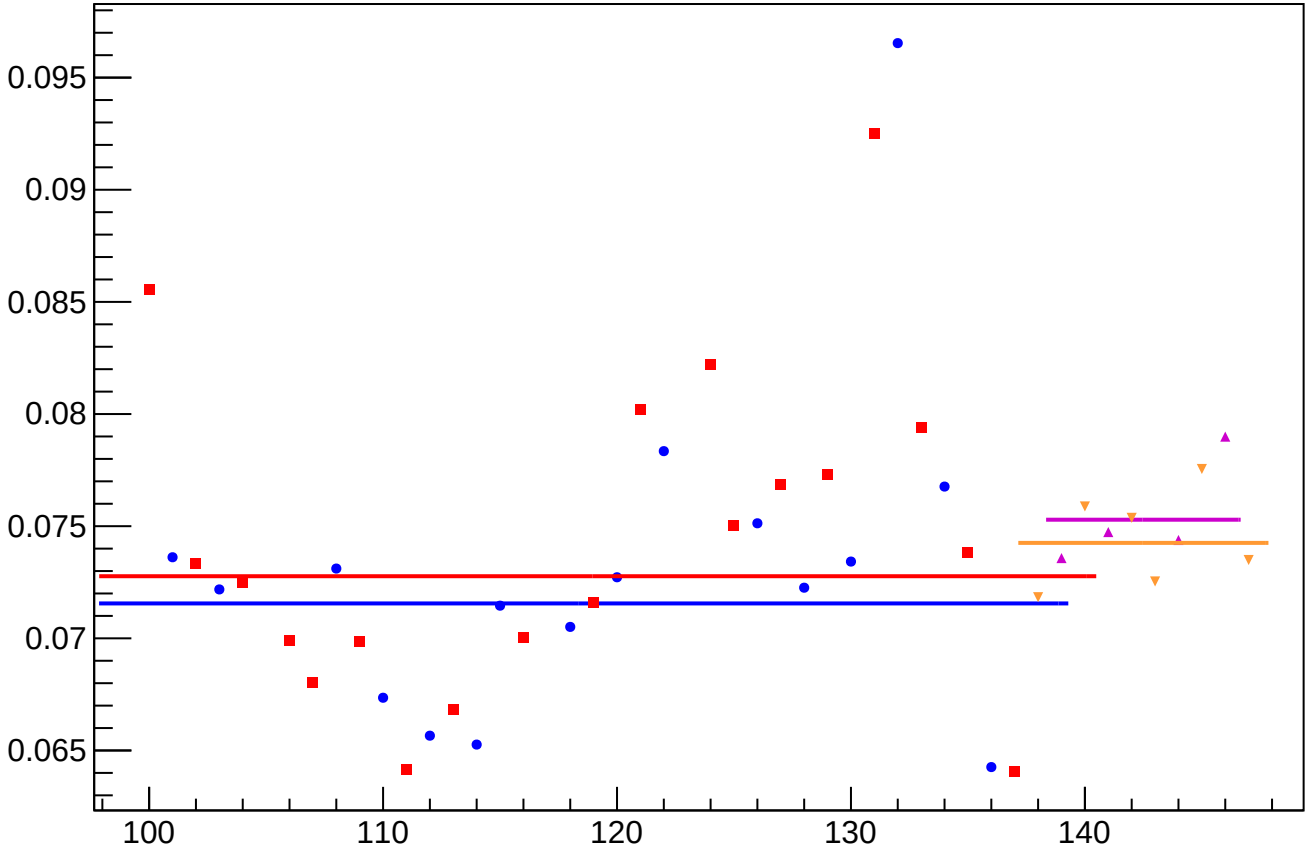
Left In: -2.038+/-0.000 χ^2/NDF:407543669.5/3

+ sign -1.391+/-0.000 χ^2/NDF: 3681142845.7/21

All: -1.461+/-0.000 χ^2/NDF: 6174902042.1/4

- sign -1.537+/-0.000 χ^2/NDF: 2471831725.8/22

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:6543.0/5

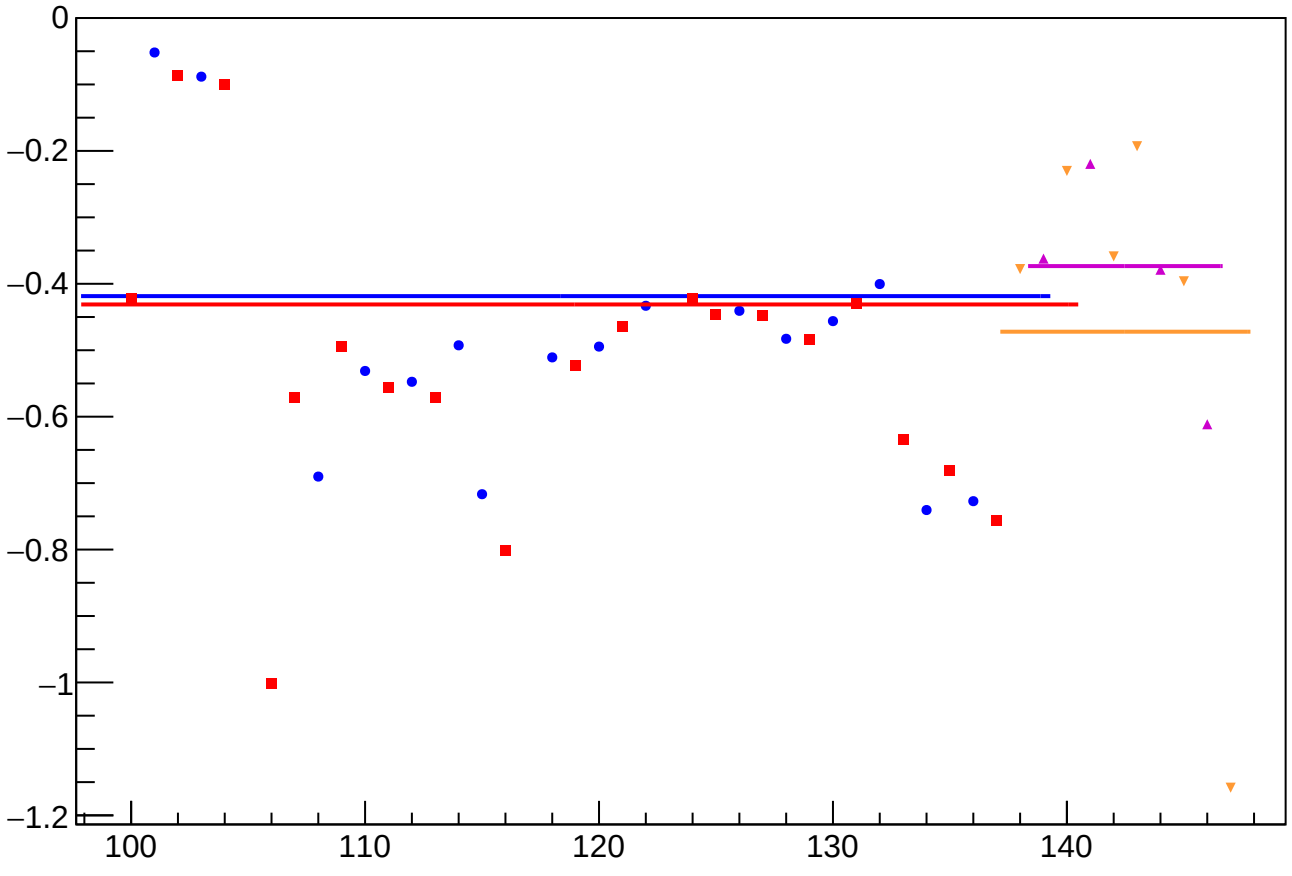
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:4915.6/3

+ sign 0.073+/-0.000 χ^2/NDF: 115085.0/21

All: 0.073+/-0.000 χ^2/NDF: 224187.9/44

- sign 0.074+/-0.000 χ^2/NDF: 107080.4/22



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.472+/-0.000 χ^2/NDF:5718041965.4/5

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

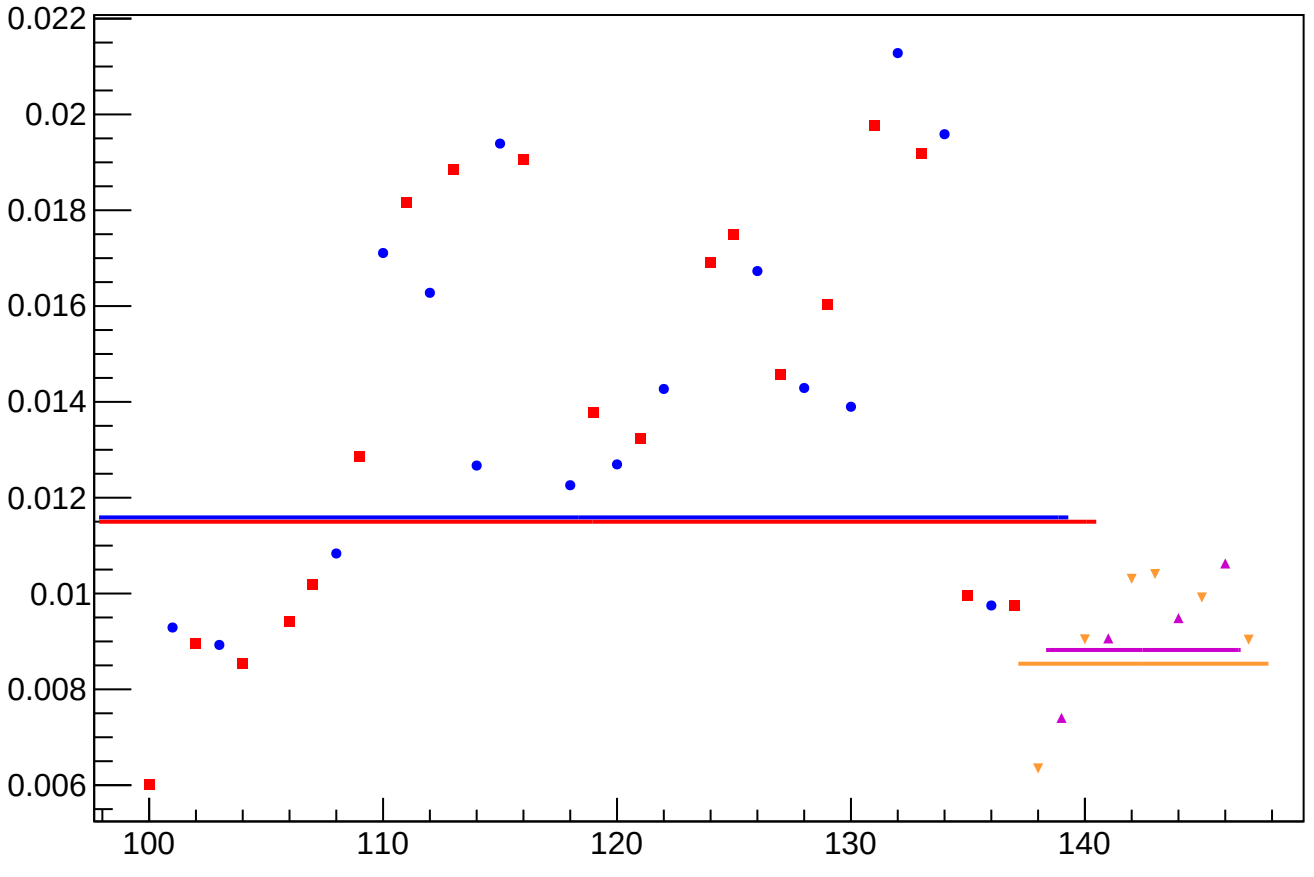
Left In: -0.373+/-0.000 χ^2/NDF:593980691.8/3

+ sign -0.448+/-0.000 χ^2/NDF: 8859571628.6/21

All: -0.428+/-0.000 χ^2/NDF: 12805667182.7/

- sign -0.404+/-0.000 χ^2/NDF: 3860799875.3/22

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:272908.8/5

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

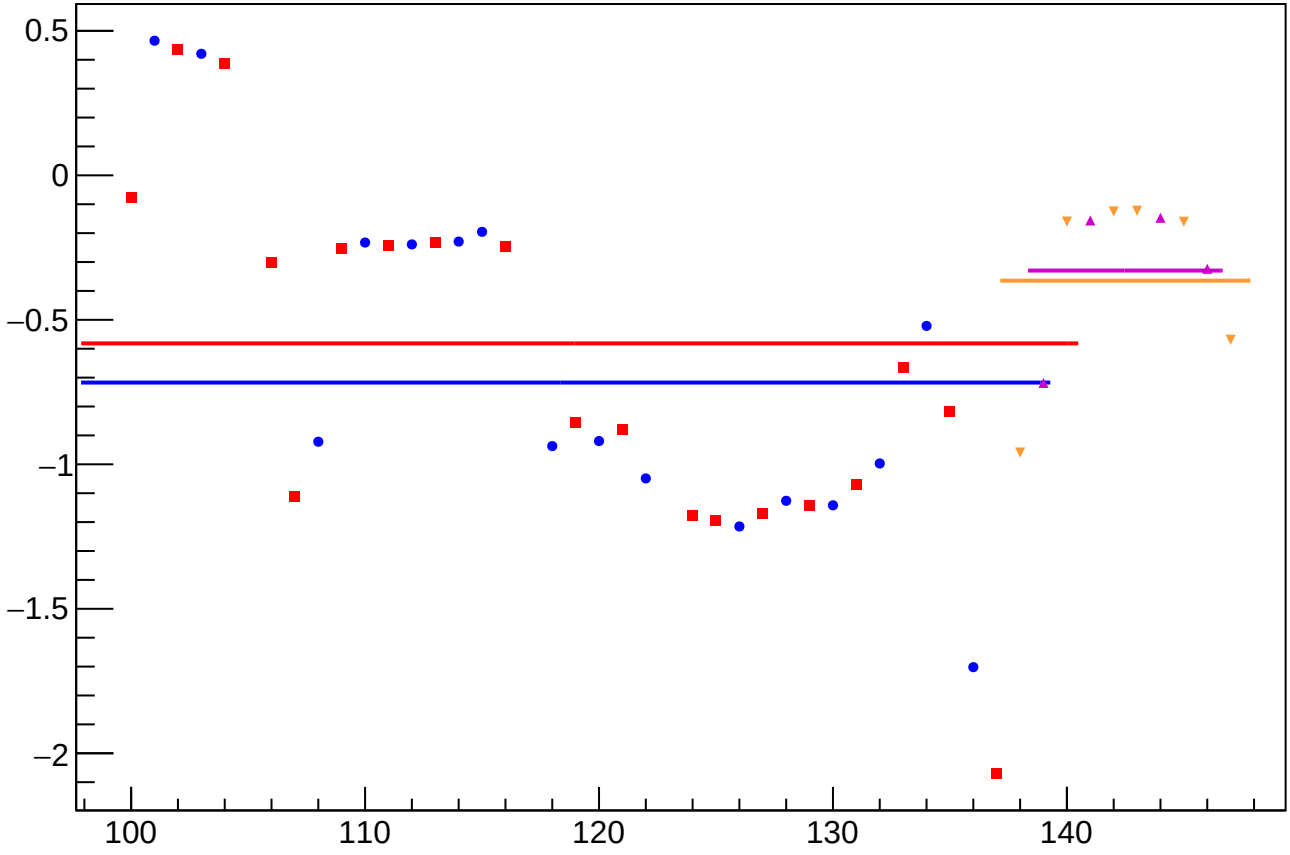
Left In: 0.009+/-0.000 χ^2/NDF:108683.4/3

+ sign 0.010+/-0.000 χ^2/NDF: 1510484.6/21

All: 0.010+/-0.000 χ^2/NDF: 3095514.4/44

- sign 0.010+/-0.000 χ^2/NDF: 1574850.9/22

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.364+/-0.000 χ^2/NDF:65485580.8/5

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

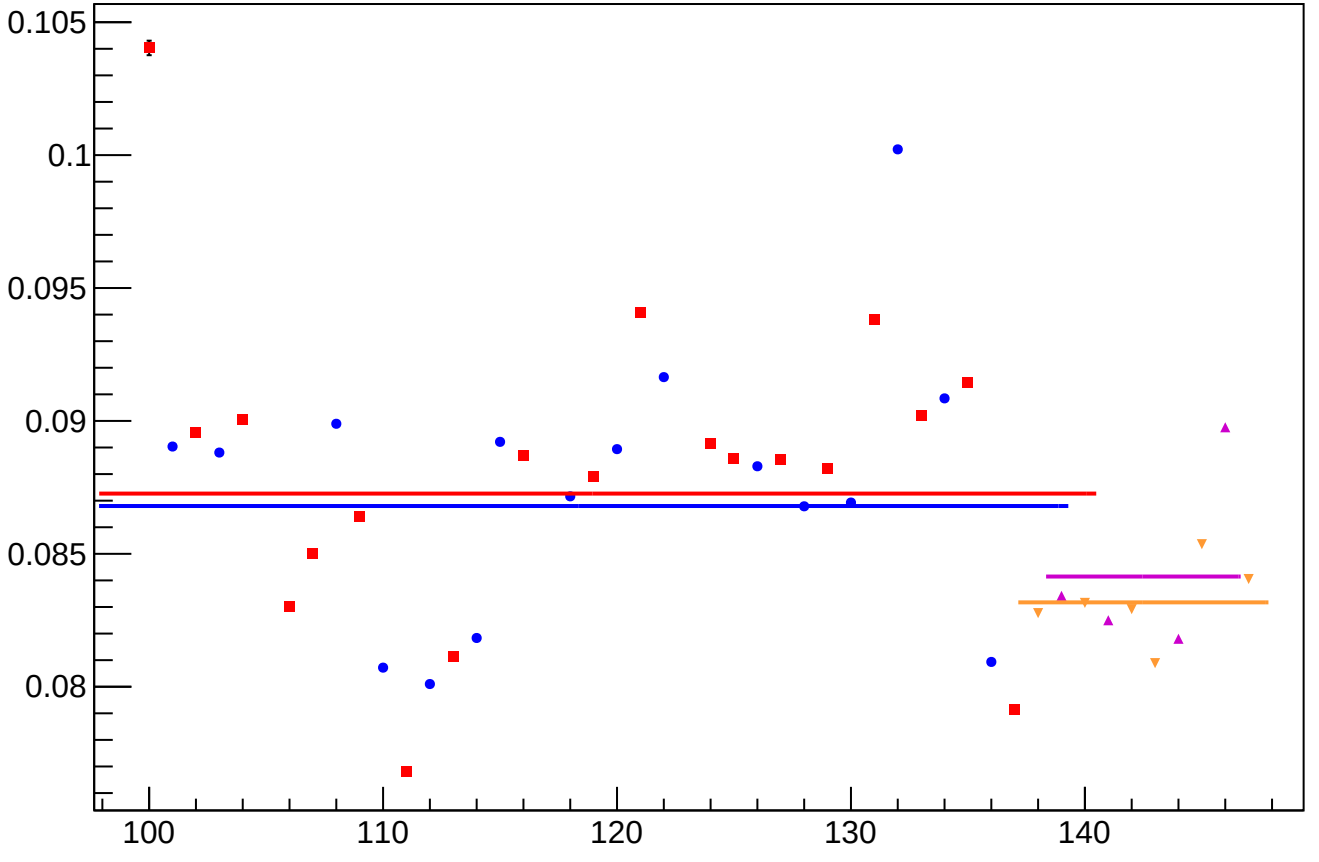
Left In: -0.330+/-0.000 χ^2/NDF:26688194.0/3

+ sign -0.575+/-0.000 χ^2/NDF: 550767667.5/21

All: -0.537+/-0.000 χ^2/NDF: 944868835.6/44

- sign -0.497+/-0.000 χ^2/NDF: 389521871.7/22

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2561.1/5

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

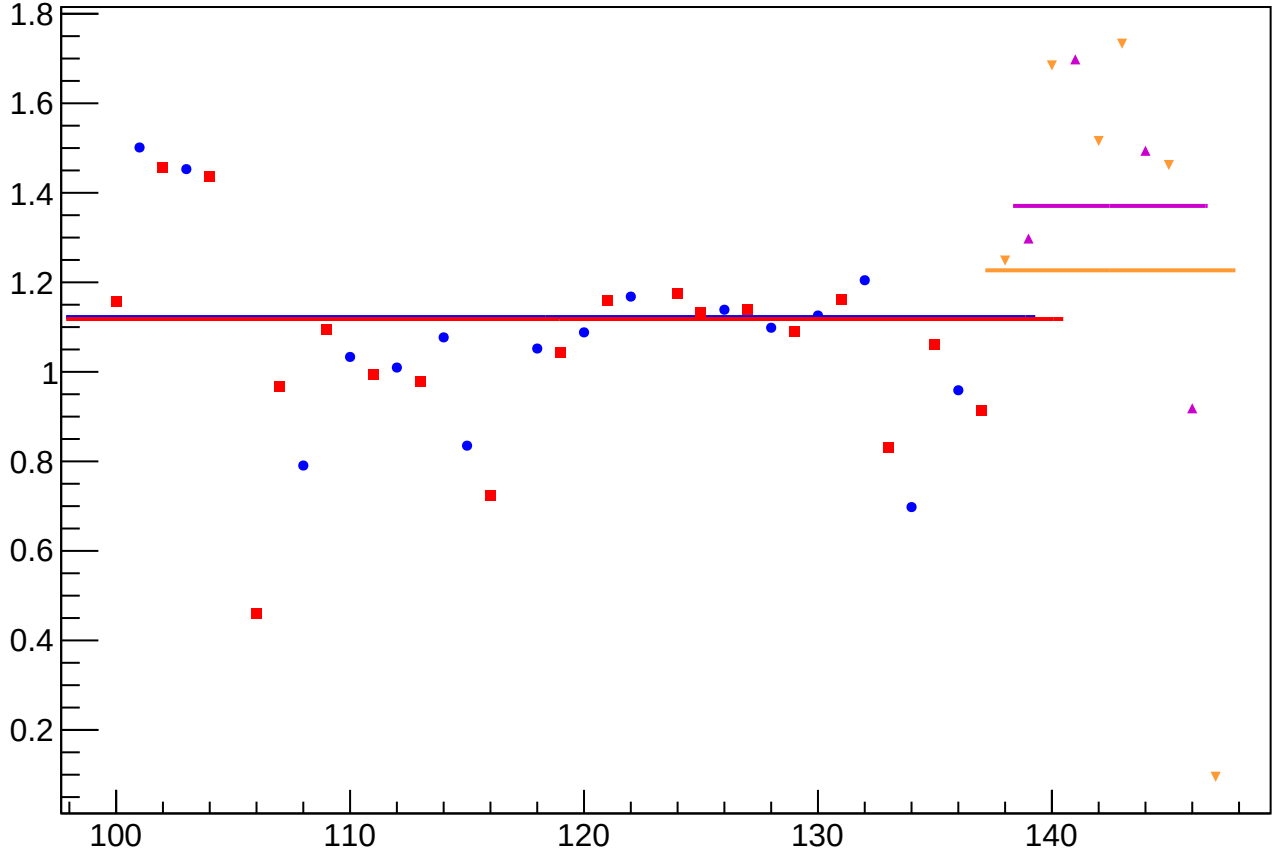
Left In: 0.084+/-0.000 χ^2/NDF:9149.7/3

+ sign 0.085+/-0.000 χ^2/NDF: 56246.3/21

All: 0.086+/-0.000 χ^2/NDF: 119137.3/44

- sign 0.086+/-0.000 χ^2/NDF: 61683.5/22

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.227+/-0.000 χ^2/NDF:11337570131.8/5

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

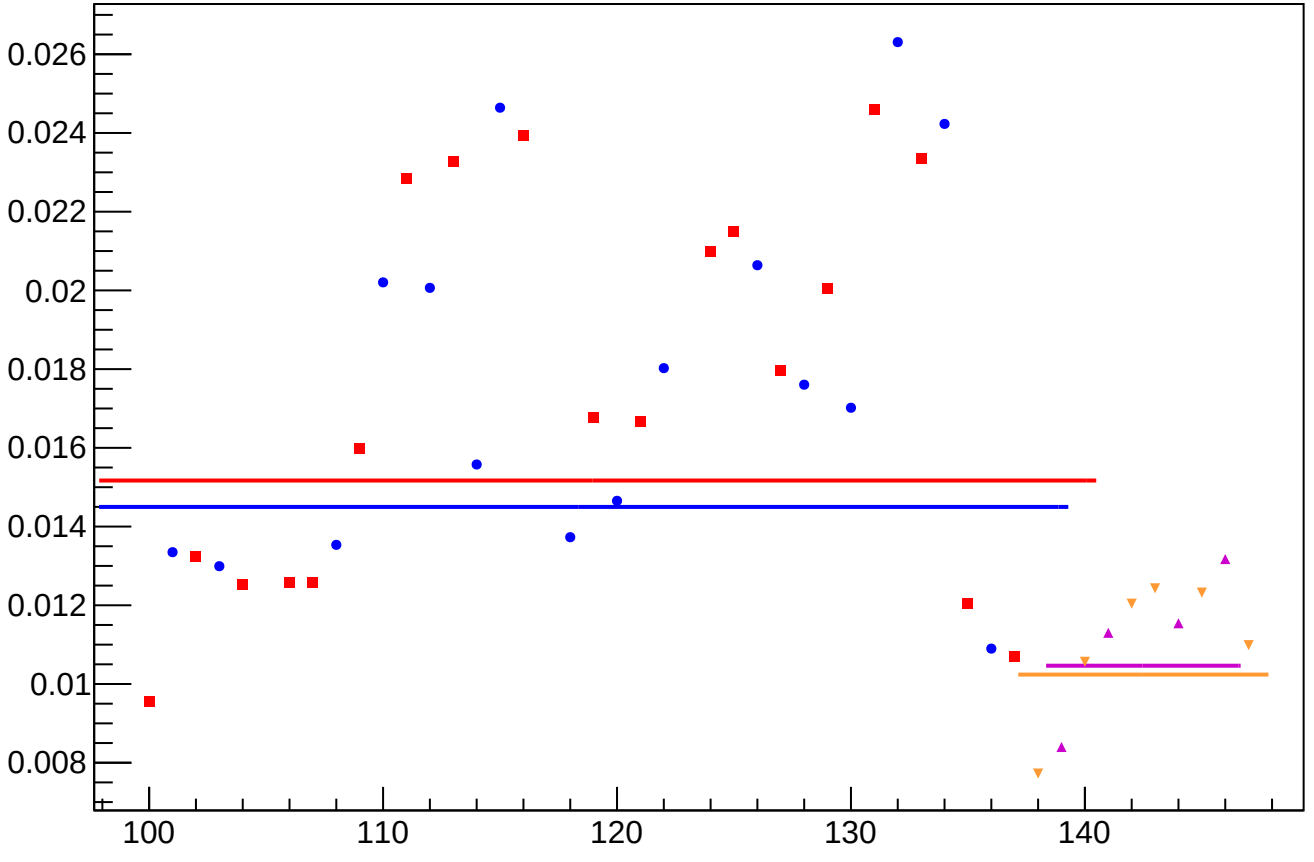
Left In: 1.371+/-0.000 χ^2/NDF:1674104017.7/3

+ sign 1.182+/-0.000 χ^2/NDF: 12968408445.6/21

All: 1.211+/-0.000 χ^2/NDF: 17208568732.0/4

- sign 1.247+/-0.000 χ^2/NDF: 4113422702.5/22

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:270957.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

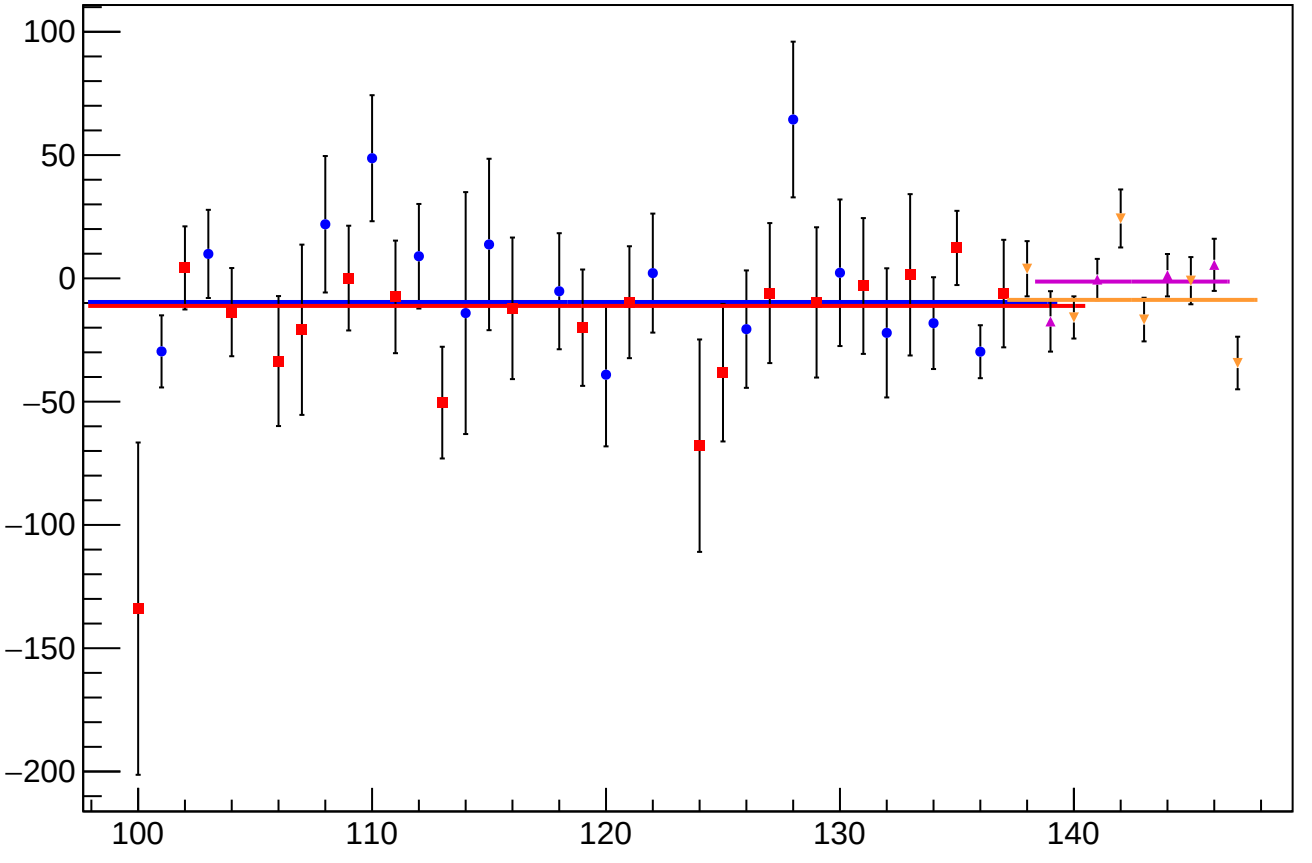
Left In: 0.010+/-0.000 χ^2/NDF:181667.0/3

+ sign 0.012+/-0.000 χ^2/NDF: 1568379.7/21

All: 0.012+/-0.000 χ^2/NDF: 3245930.0/44

- sign 0.013+/-0.000 χ^2/NDF: 1648714.4/22

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.729+/-4.038 χ^2/NDF:17.1/5

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

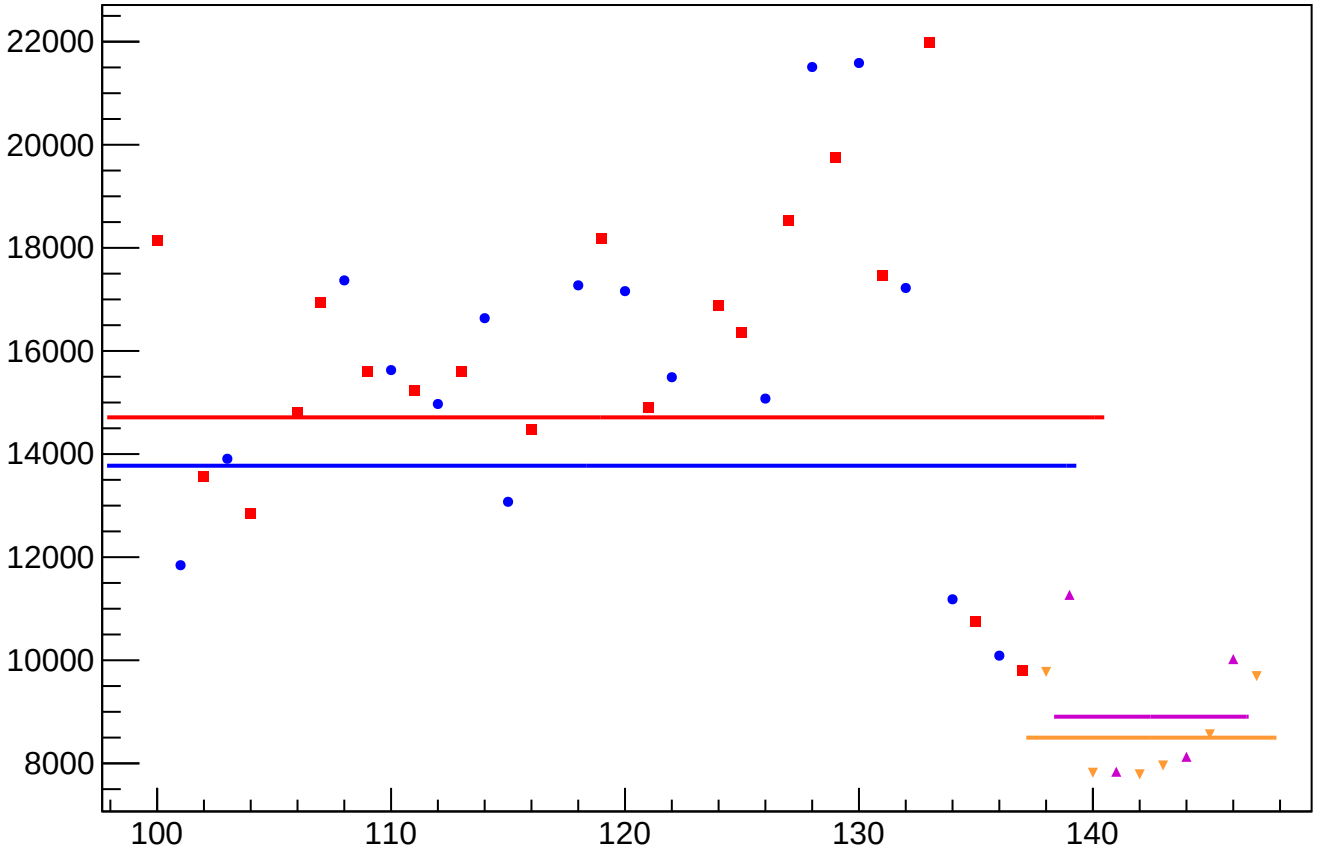
Left In: -1.305+/-4.801 χ^2/NDF:2.3/3

+ sign -9.042+/-3.210 χ^2/NDF: 39.0/21

All: -7.515+/-2.401 χ^2/NDF: 57.5/44

- sign -5.577+/-3.616 χ^2/NDF: 17.9/22

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8499.028+/-2.855 χ^2/NDF:78471.0/5

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

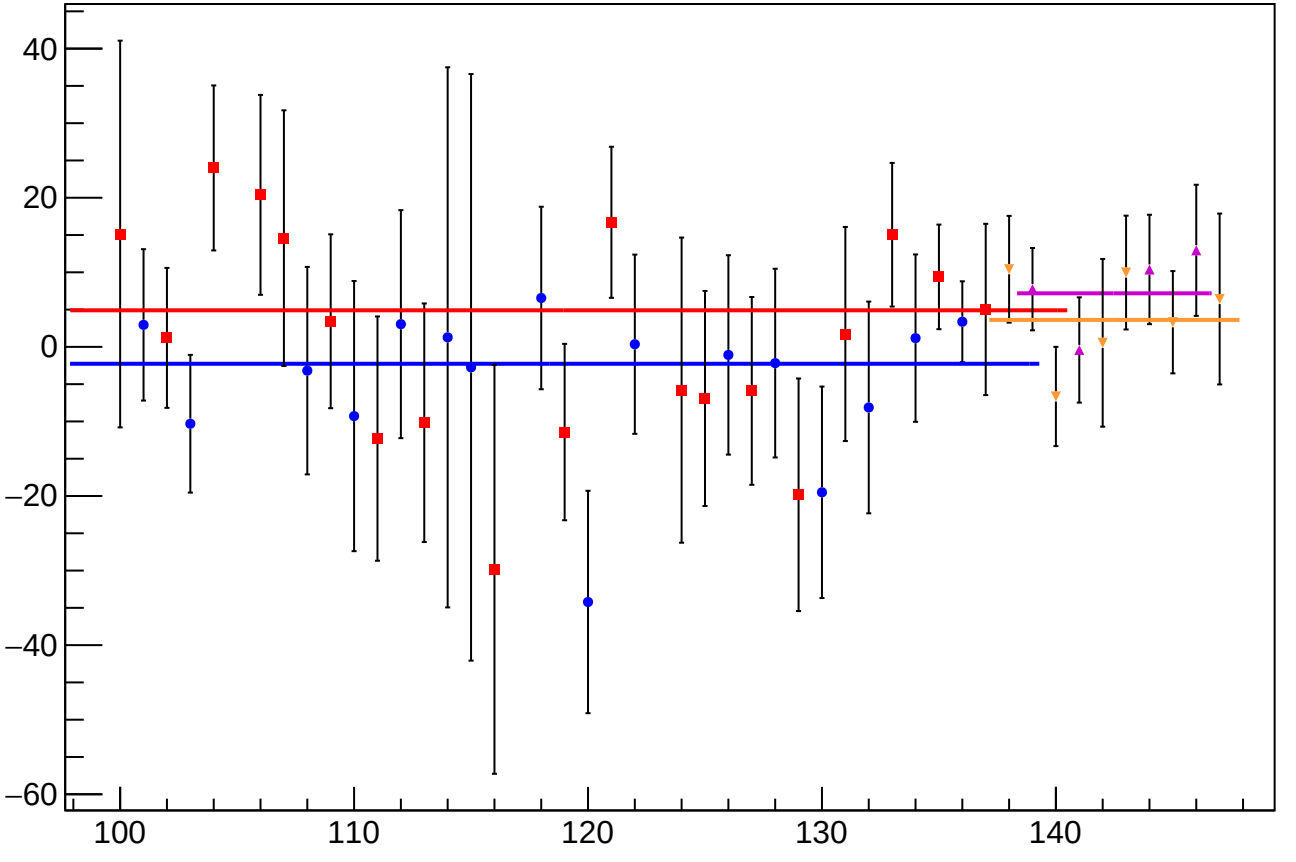
Left In: 8905.437+/-3.395 χ^2/NDF:145595.3/3

+ sign 10440.674+/-2.270 χ^2/NDF: 2082318.2/21

All: 10871.376+/-1.697 χ^2/NDF: 4132951.3/4

- sign 11417.946+/-2.557 χ^2/NDF: 1968929.8/22

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.618+/-3.227 χ^2/NDF:4.1/5

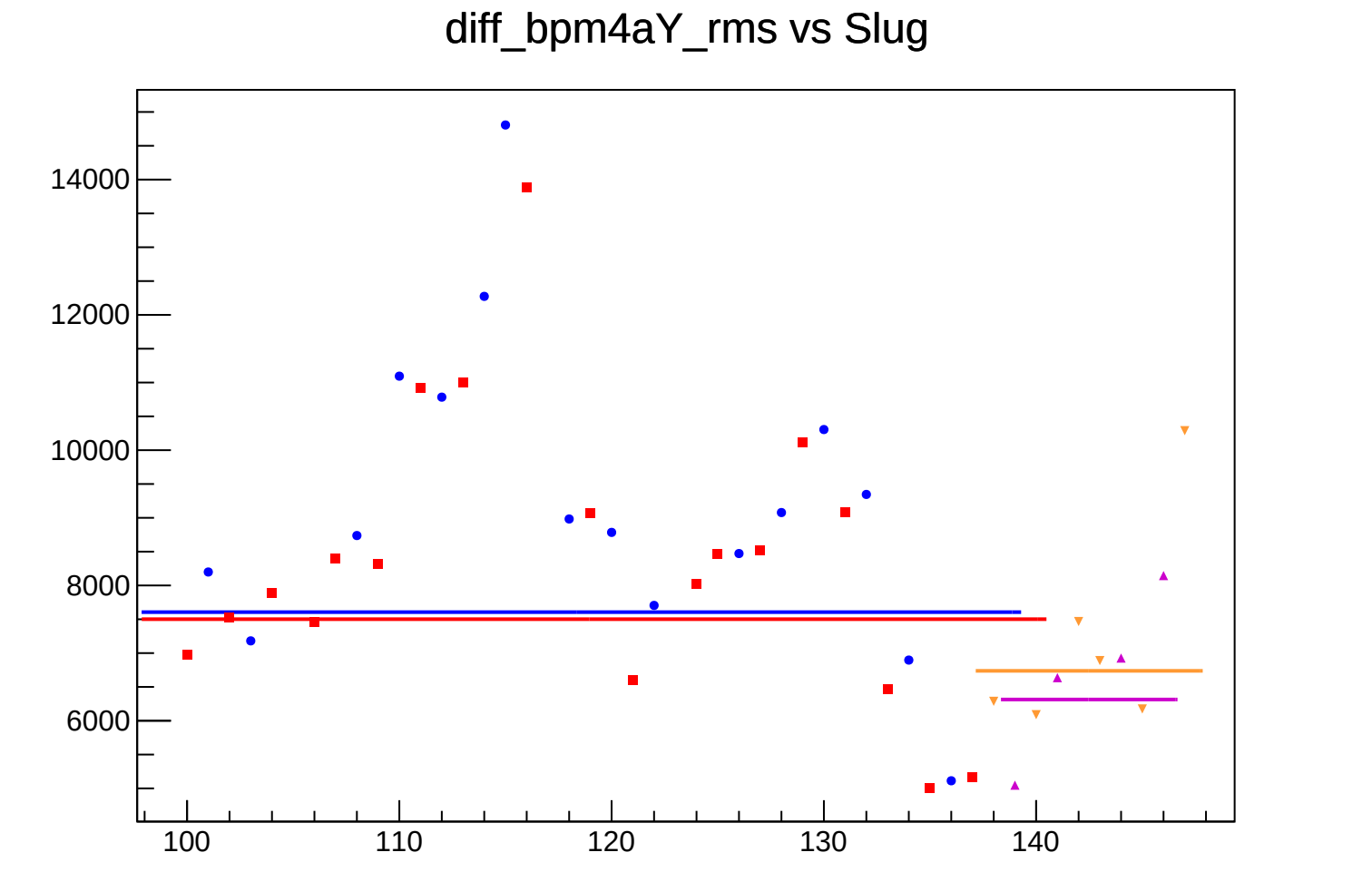
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 7.182+/-3.443 χ^2/NDF:1.8/3

+ sign 0.384+/-2.166 χ^2/NDF: 15.2/21

All: 3.076+/-1.540 χ^2/NDF: 38.0/44

- sign 5.825+/-2.189 χ^2/NDF: 19.6/22



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6737.717+/-2.282 χ^2/NDF:241612.3/5

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

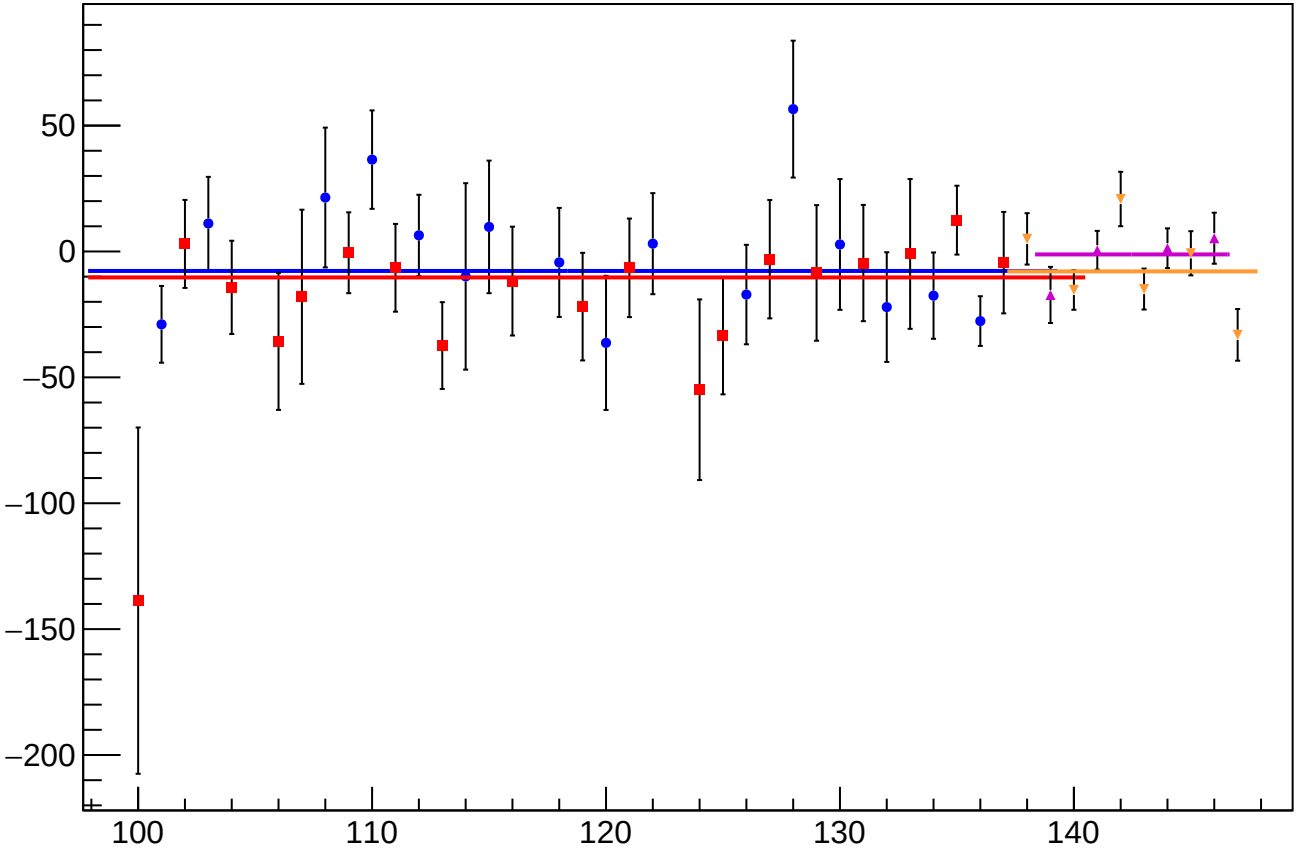
Left In: 6314.020+/-2.434 χ^2/NDF:210157.7/3

+ sign 7214.644+/-1.532 χ^2/NDF: 1212613.9/21

All: 7119.071+/-1.089 χ^2/NDF: 2395963.5/44

- sign 7021.465+/-1.548 χ^2/NDF: 1175478.9/22

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -7.911+/-3.730 χ^2/NDF:17.0/5

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

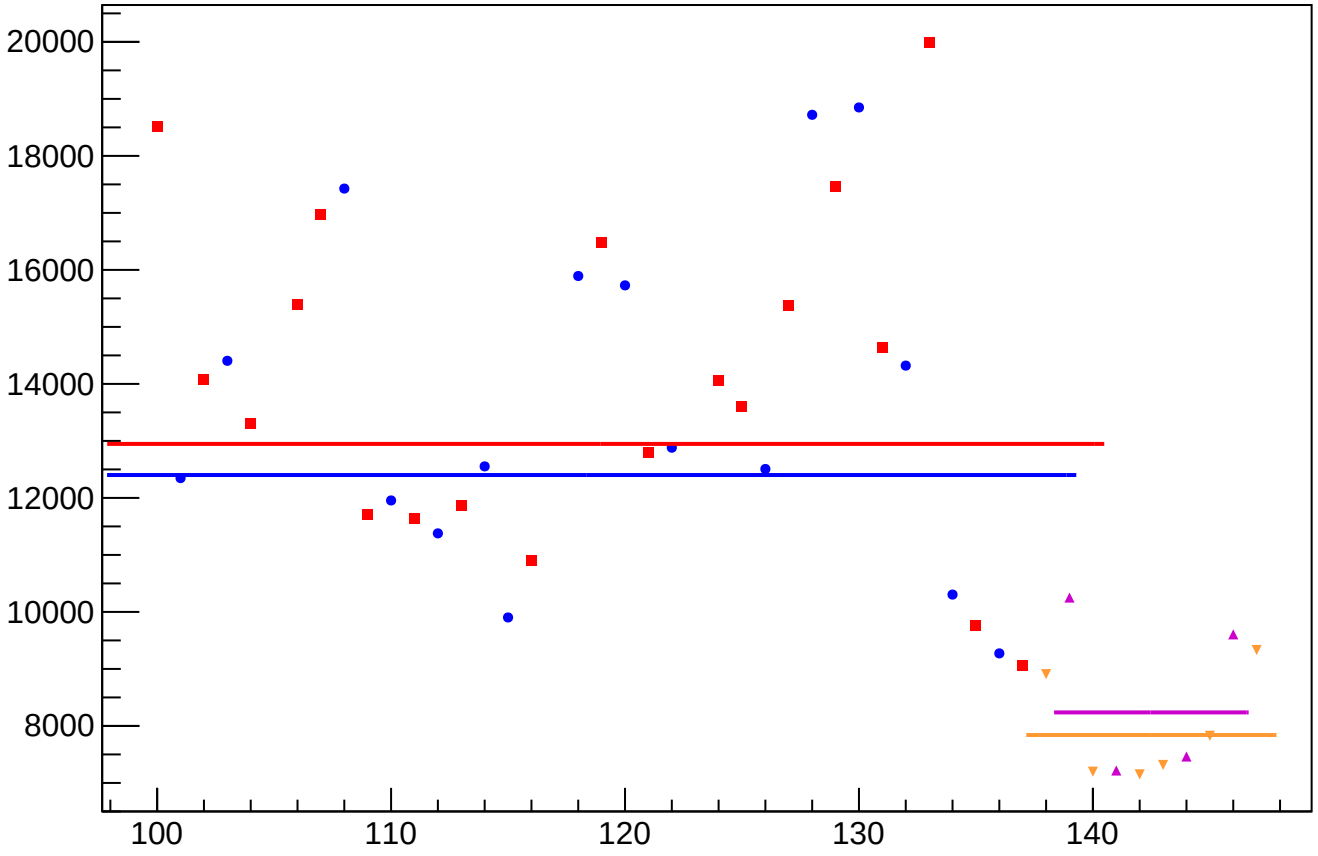
Left In: -1.170+/-4.444 χ^2/NDF:2.6/3

+ sign -7.846+/-2.933 χ^2/NDF: 39.7/21

All: -6.734+/-2.184 χ^2/NDF: 58.5/44

- sign -5.350+/-3.273 χ^2/NDF: 18.5/22

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7840.927+/-2.637 χ^2/NDF:93931.5/5

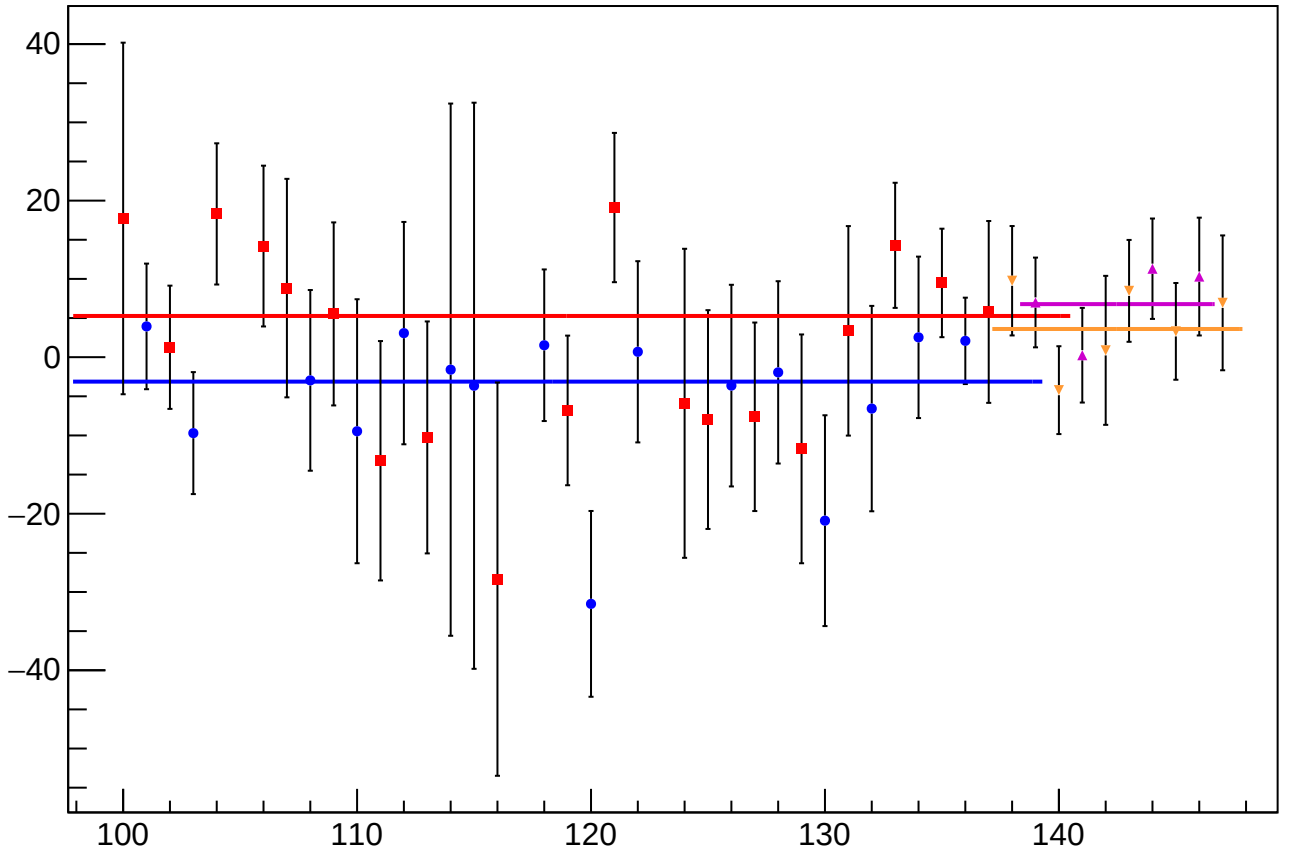
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8237.255+/-3.142 χ^2/NDF:155964.6/3

+ sign 9581.285+/-2.074 χ^2/NDF: 1913404.9/21

All: 9942.207+/-1.545 χ^2/NDF: 3720339.5/44

- sign 10391.701+/-2.315 χ^2/NDF: 1738934.9/22



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.601+/-2.811 χ^2/NDF:3.5/5

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

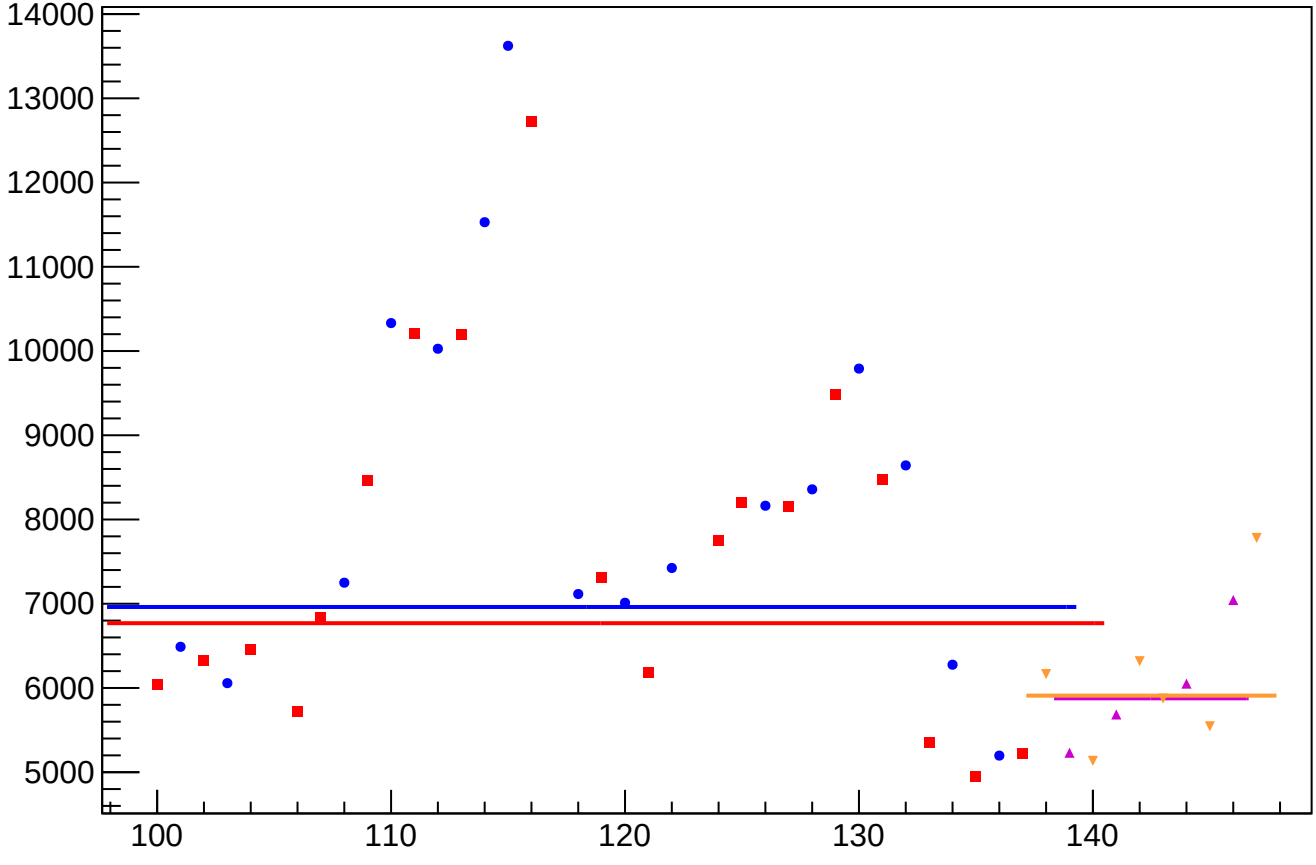
Left In: 6.779+/-3.167 χ^2/NDF:1.9/3

+ sign 0.048+/-1.930 χ^2/NDF: 17.4/21

All: 2.870+/-1.385 χ^2/NDF: 40.8/44

- sign 5.861+/-1.988 χ^2/NDF: 18.9/22

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5909.201+/-1.988 χ^2/NDF:145910.4/5

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

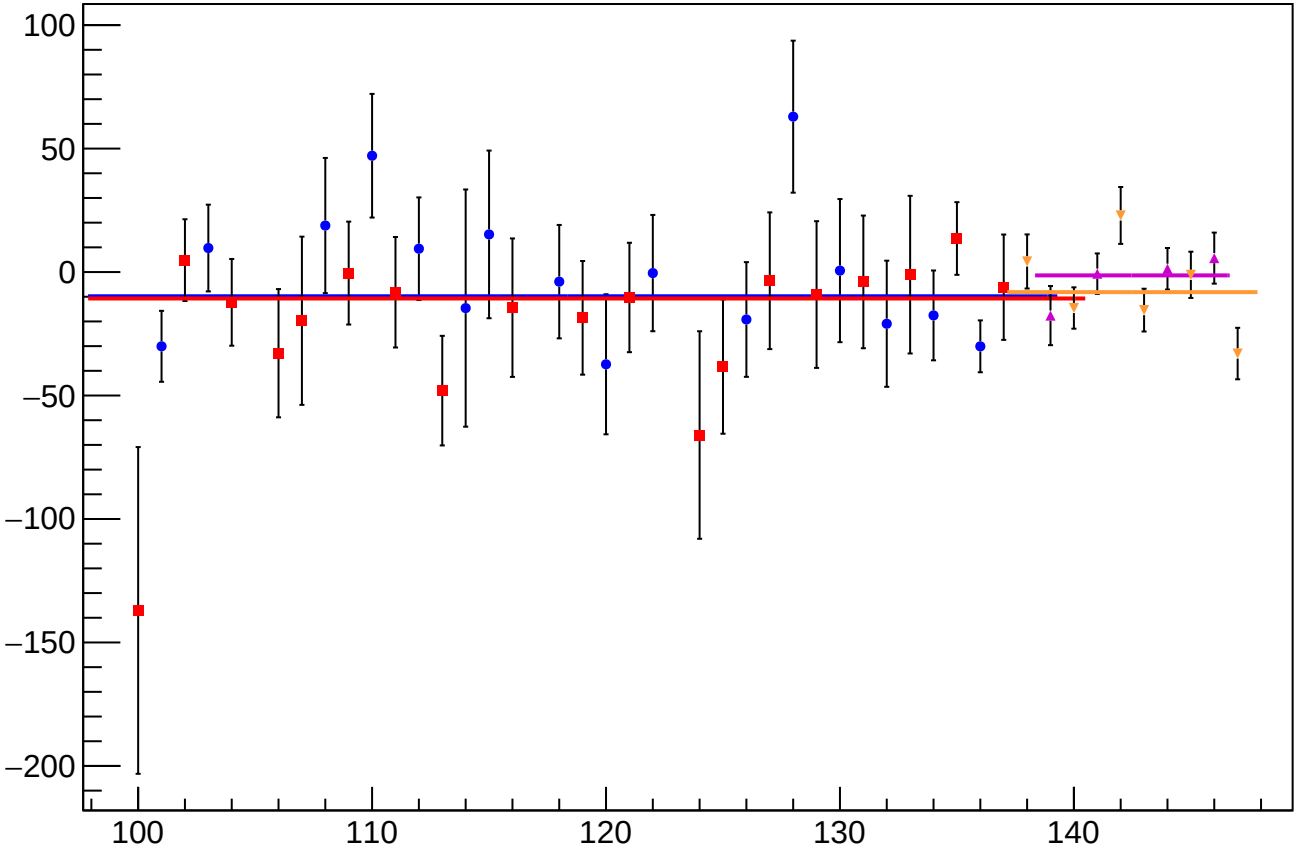
Left In: 5876.845+/-2.239 χ^2/NDF:76980.7/3

+ sign 6465.308+/-1.365 χ^2/NDF: 990438.8/21

All: 6442.119+/-0.979 χ^2/NDF: 1962328.5/44

- sign 6417.538+/-1.405 χ^2/NDF: 971295.2/22

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -8.134+/-3.951 χ^2/NDF:16.1/5

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

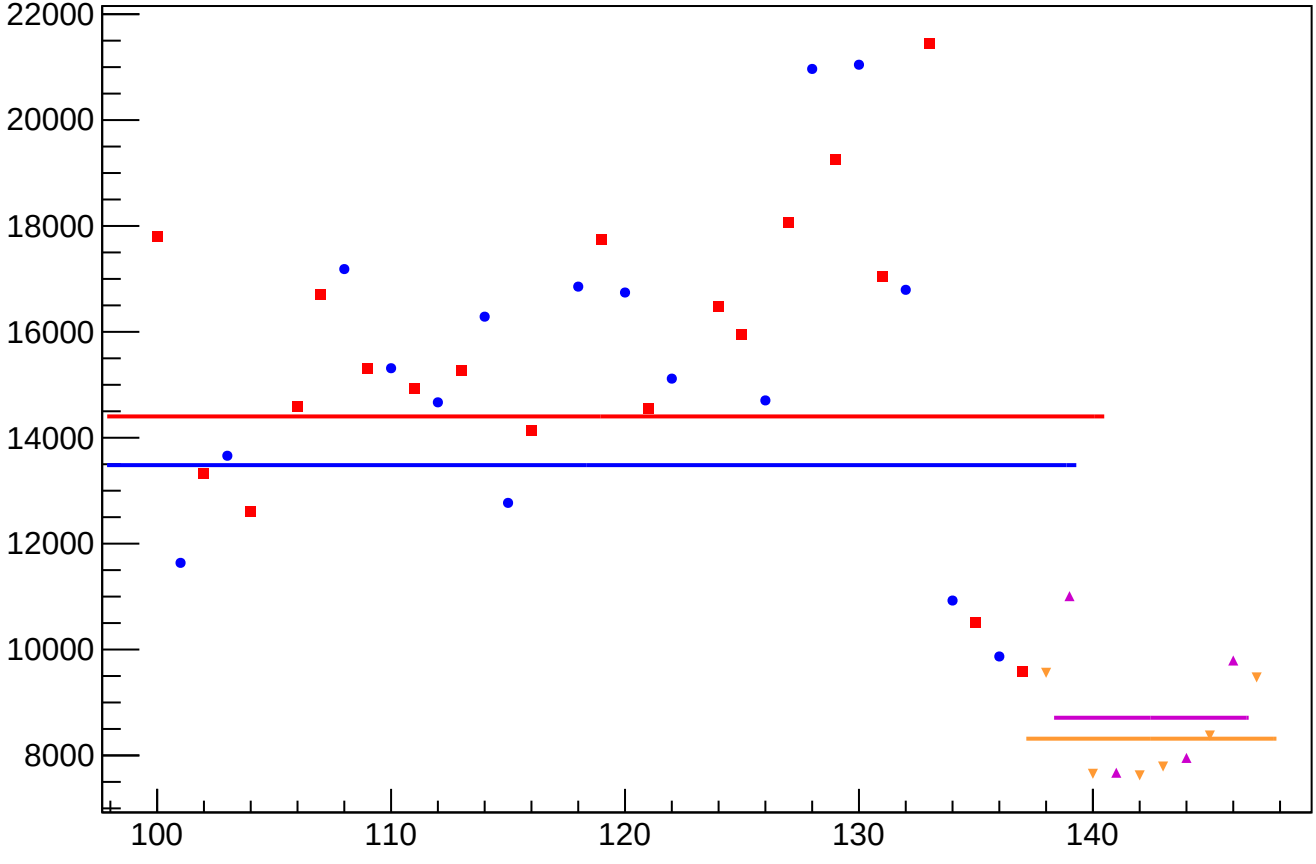
Left In: -1.353+/-4.696 χ^2/NDF:2.4/3

+ sign -8.750+/-3.141 χ^2/NDF: 38.2/21

All: -7.271+/-2.349 χ^2/NDF: 57.2/44

- sign -5.395+/-3.538 χ^2/NDF: 18.4/22

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8316.456+/-2.794 χ^2/NDF:77691.8/5

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

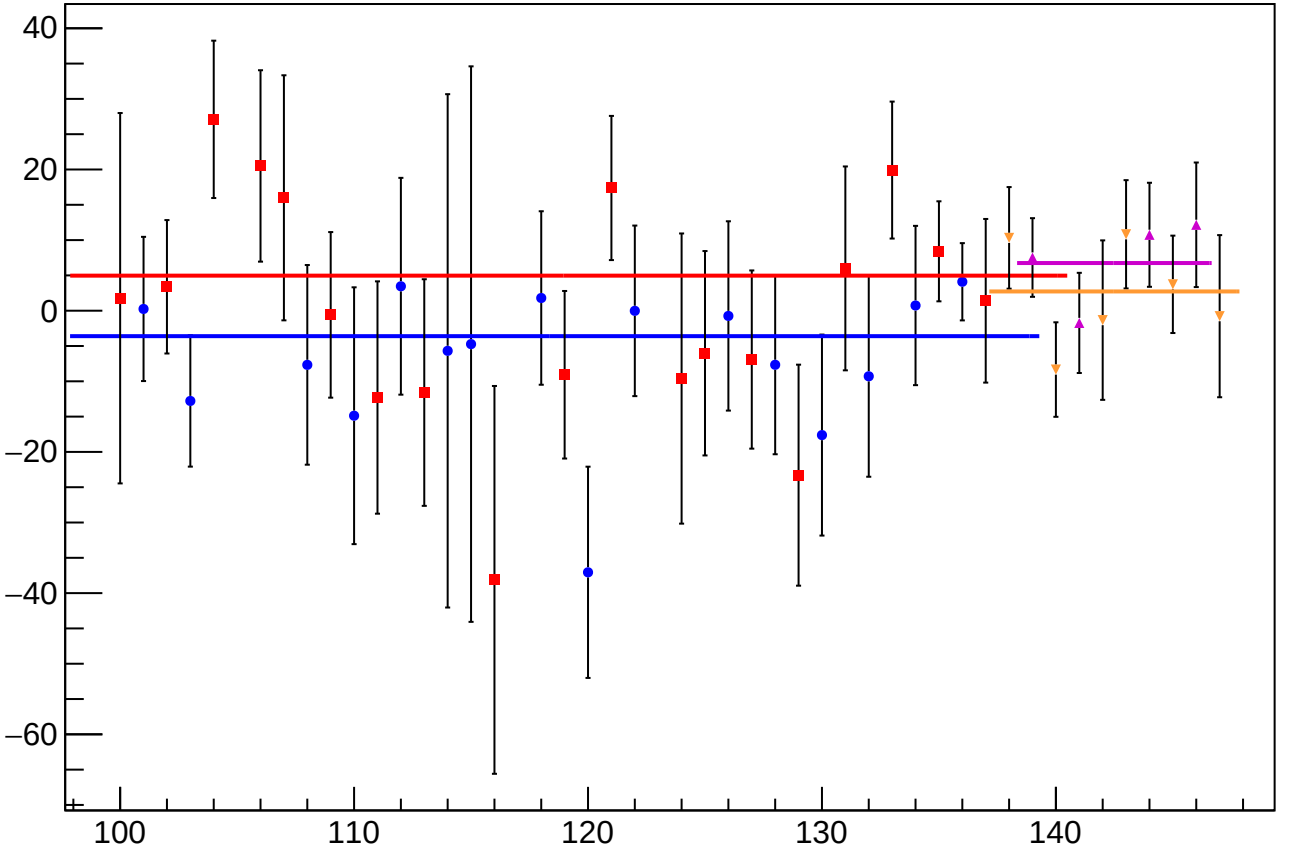
Left In: 8711.668+/-3.320 χ^2/NDF:143880.8/3

+ sign 10217.405+/-2.221 χ^2/NDF: 2079834.8/21

All: 10638.191+/-1.661 χ^2/NDF: 4127708.1/4

- sign 11172.040+/-2.502 χ^2/NDF: 1966437.8/22

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.727+/-3.243 χ^2/NDF:5.2/5

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

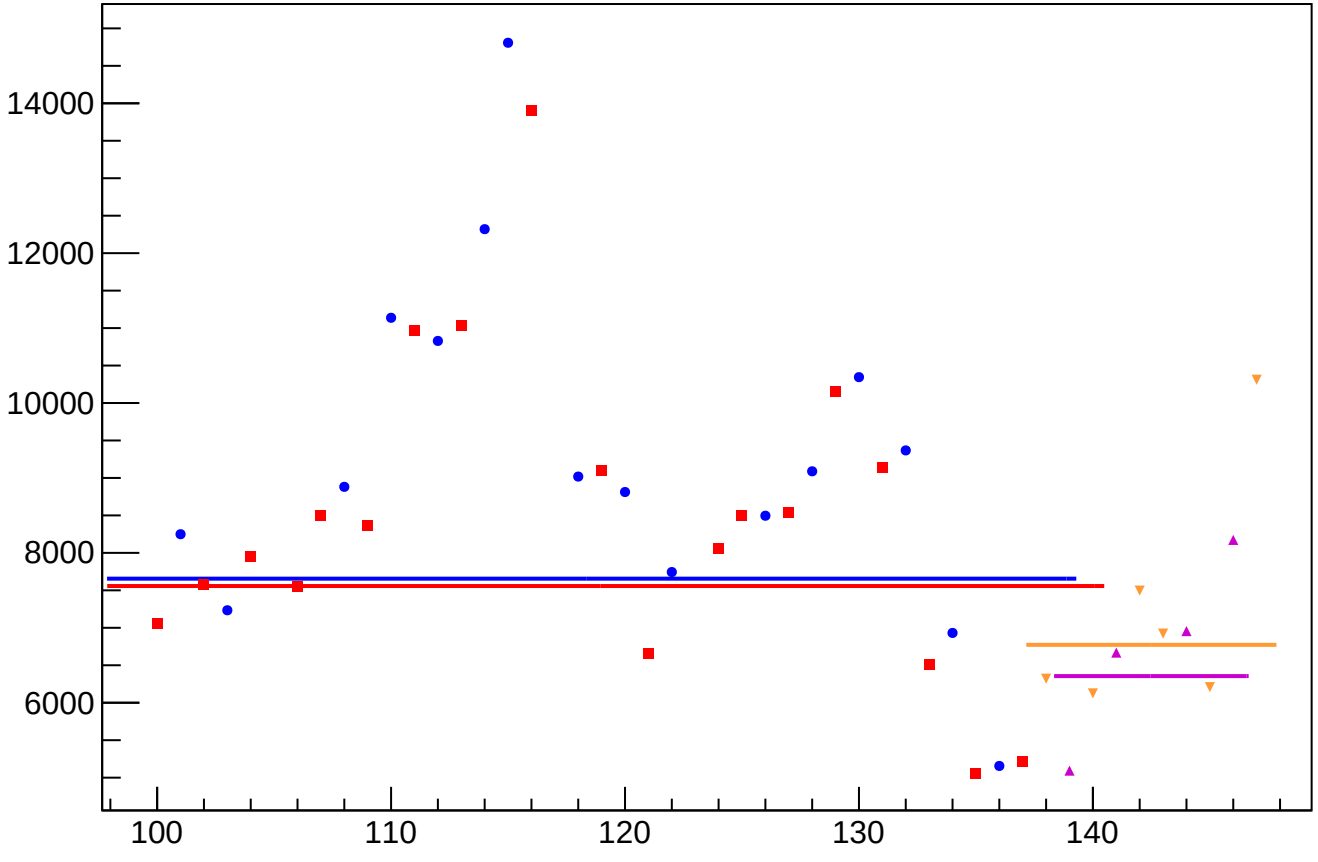
Left In: 6.752+/-3.463 χ^2/NDF:2.1/3

+ sign -0.749+/-2.178 χ^2/NDF: 17.8/21

All: 2.433+/-1.549 χ^2/NDF: 45.8/44

- sign 5.688+/-2.203 χ^2/NDF: 23.7/22

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6772.590+/-2.293 χ^2/NDF:238939.8/5

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

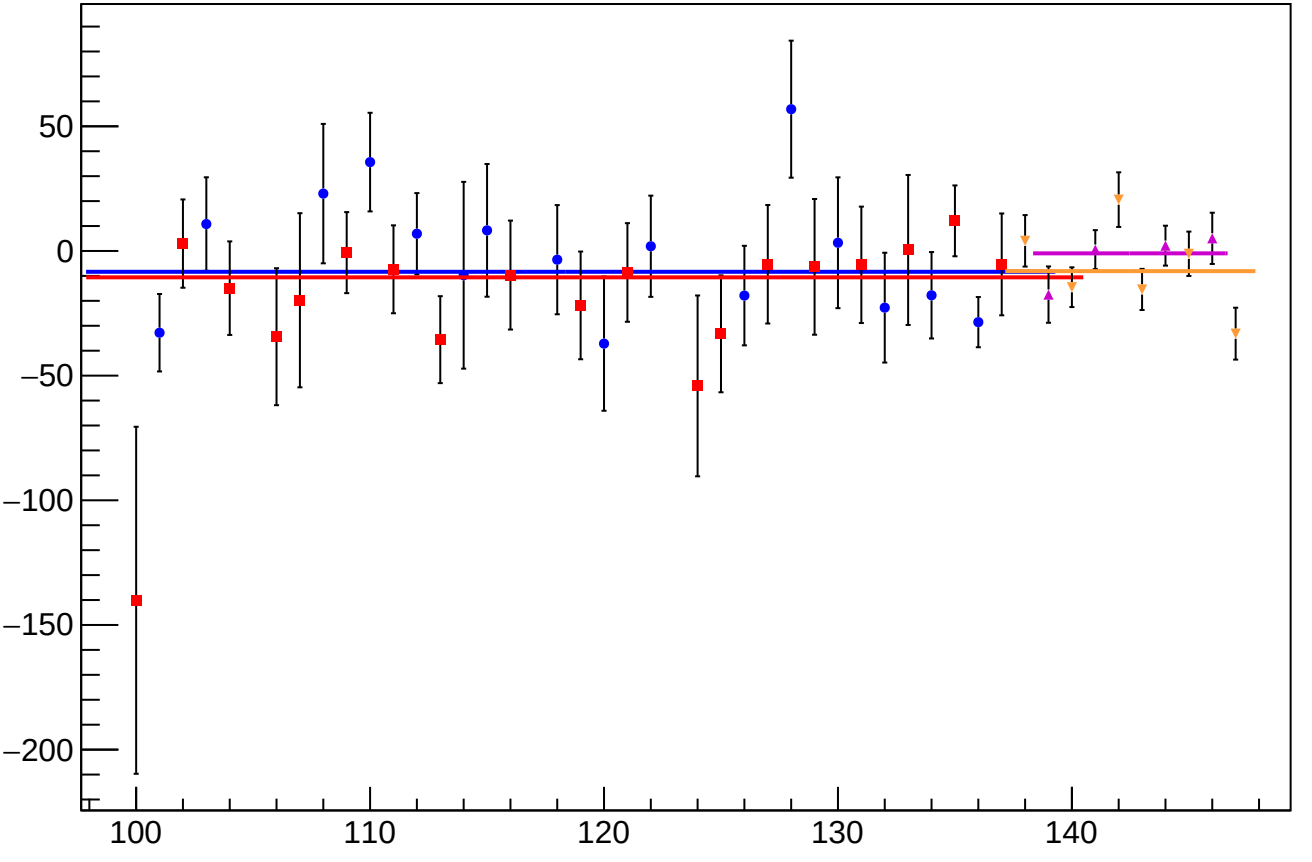
Left In: 6355.364+/-2.449 χ^2/NDF:204730.9/3

+ sign 7257.396+/-1.540 χ^2/NDF: 1200146.1/21

All: 7165.279+/-1.095 χ^2/NDF: 2365423.1/44

- sign 7071.028+/-1.558 χ^2/NDF: 1158039.5/22

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.086+/-3.778 χ^2/NDF:16.1/5

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

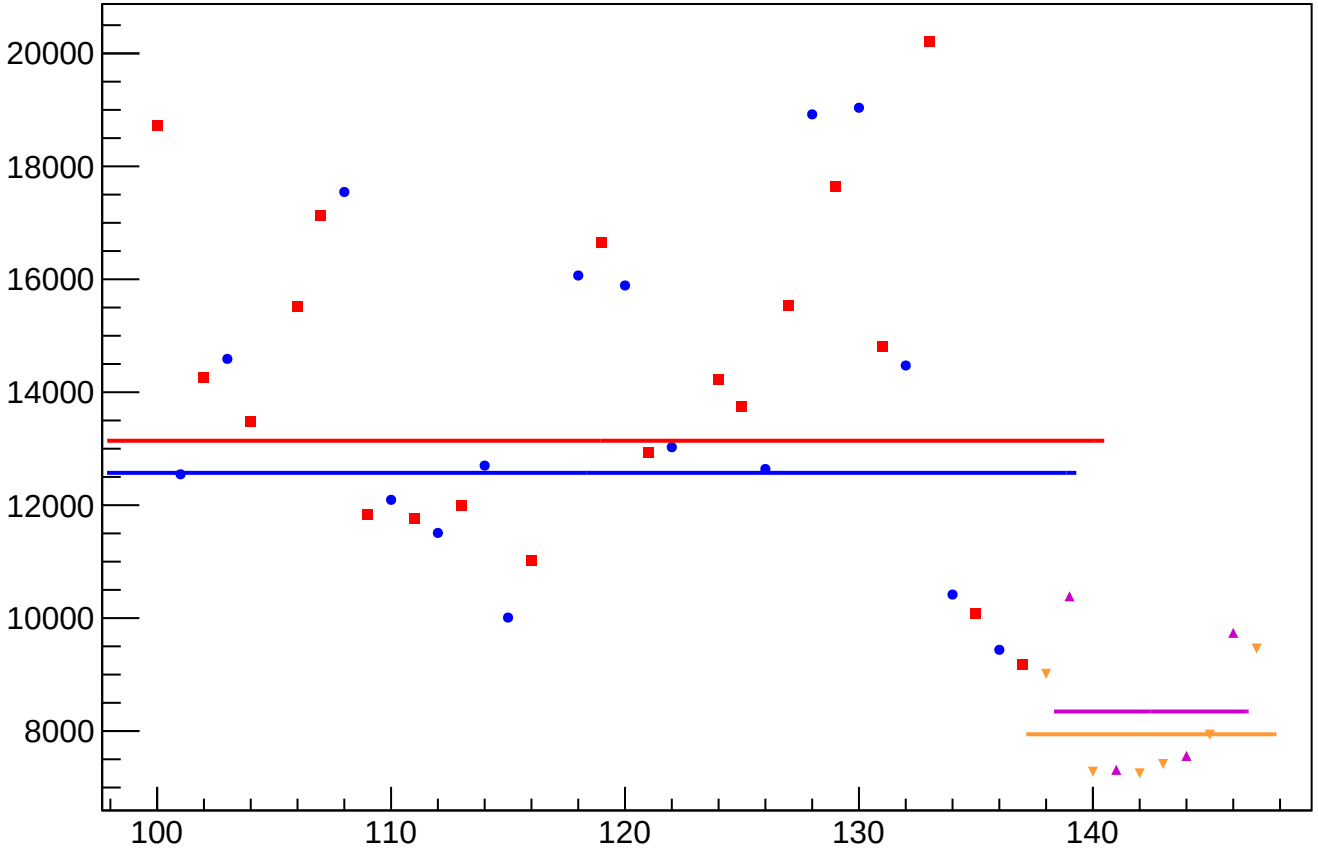
Left In: -0.954+/-4.503 χ^2/NDF:2.7/3

+ sign -8.187+/-2.972 χ^2/NDF: 39.3/21

All: -6.923+/-2.214 χ^2/NDF: 57.4/44

- sign -5.347+/-3.319 χ^2/NDF: 17.7/22

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7942.775+/-2.672 χ^2/NDF:94019.0/5

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

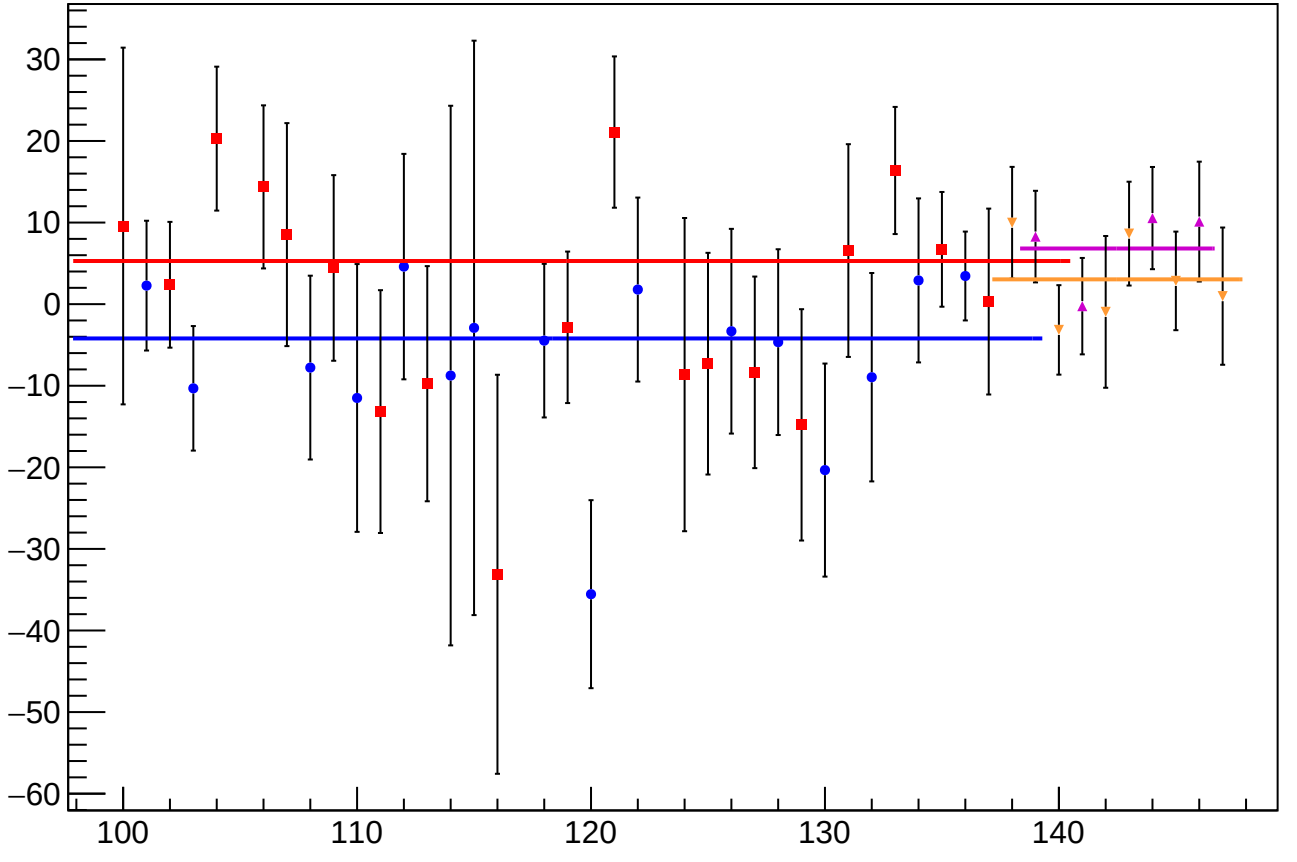
Left In: 8346.106+/-3.184 χ^2/NDF:156344.4/3

+ sign 9707.725+/-2.102 χ^2/NDF: 1903848.3/21

All: 10076.382+/-1.566 χ^2/NDF: 3700022.7/4

- sign 10536.045+/-2.347 χ^2/NDF: 1727036.7/22

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.038+/-2.749 χ^2/NDF:3.3/5

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

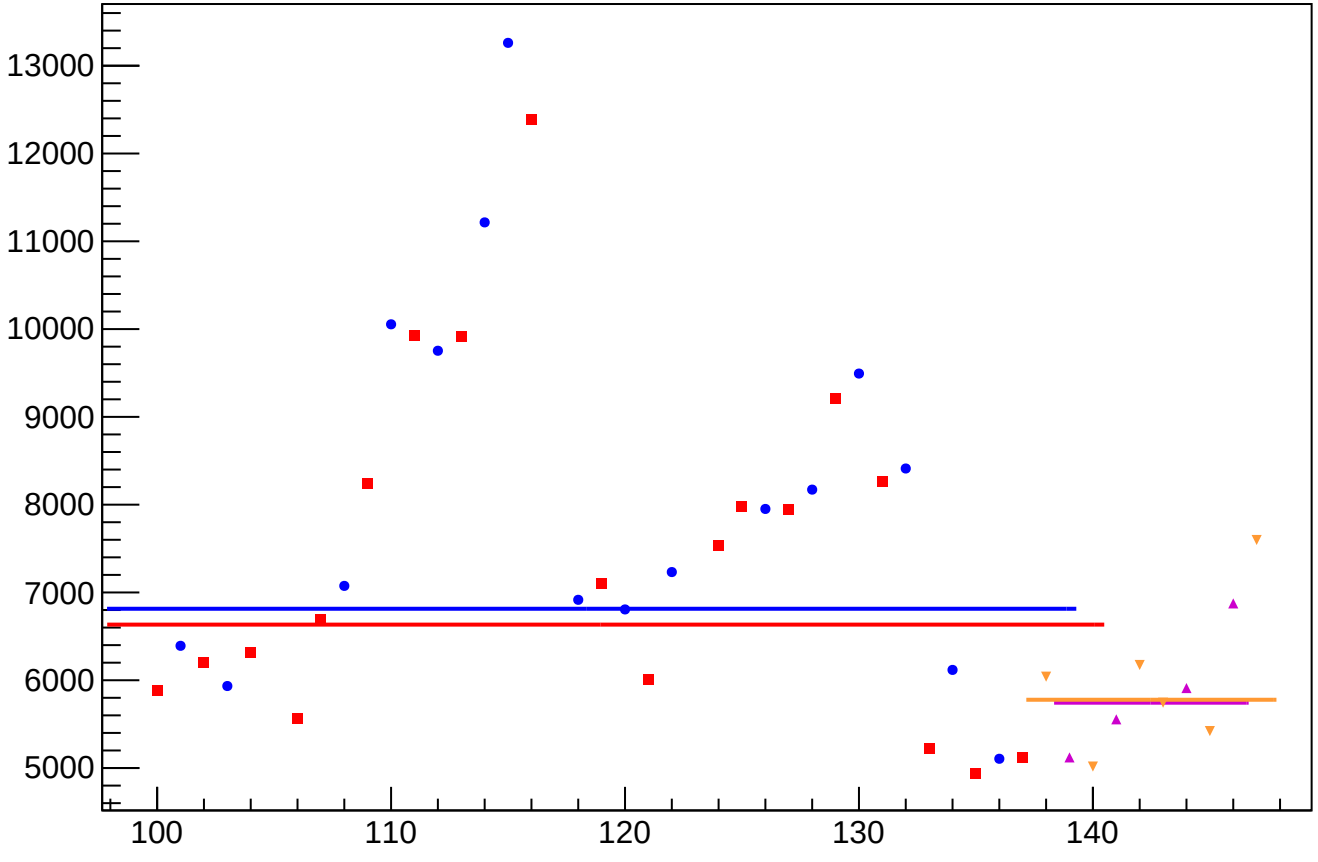
Left In: 6.821+/-3.095 χ^2/NDF:2.1/3

+ sign -0.783+/-1.889 χ^2/NDF: 20.8/21

All: 2.456+/-1.355 χ^2/NDF: 48.8/44

- sign 5.893+/-1.946 χ^2/NDF: 21.9/22

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5777.798+/-1.944 χ^2/NDF:145739.8/5

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

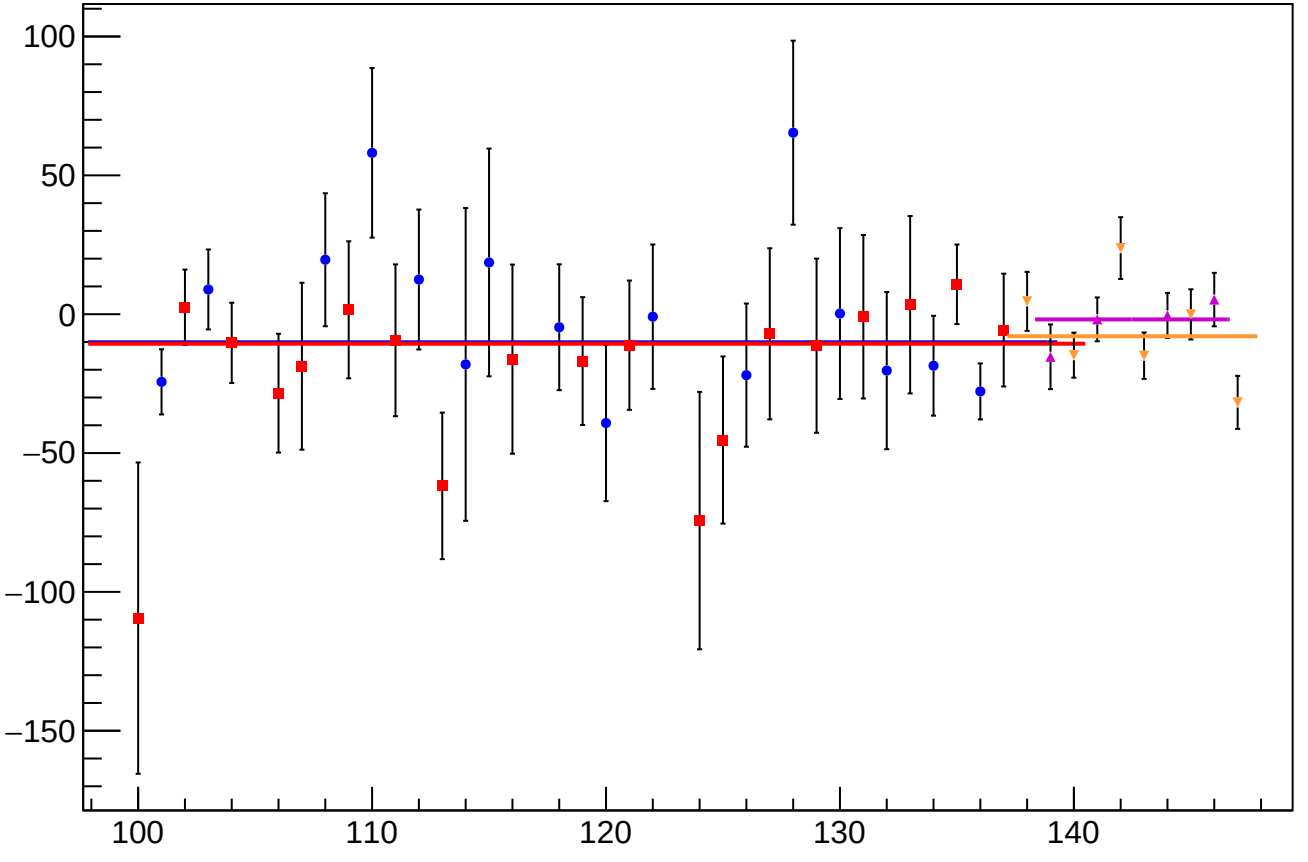
Left In: 5744.379+/-2.189 χ^2/NDF:75525.6/3

+ sign 6324.733+/-1.336 χ^2/NDF: 969913.7/21

All: 6304.109+/-0.958 χ^2/NDF: 1909139.6/44

- sign 6282.224+/-1.376 χ^2/NDF: 938734.4/22

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -7.942+/-3.789 χ^2/NDF:17.9/5

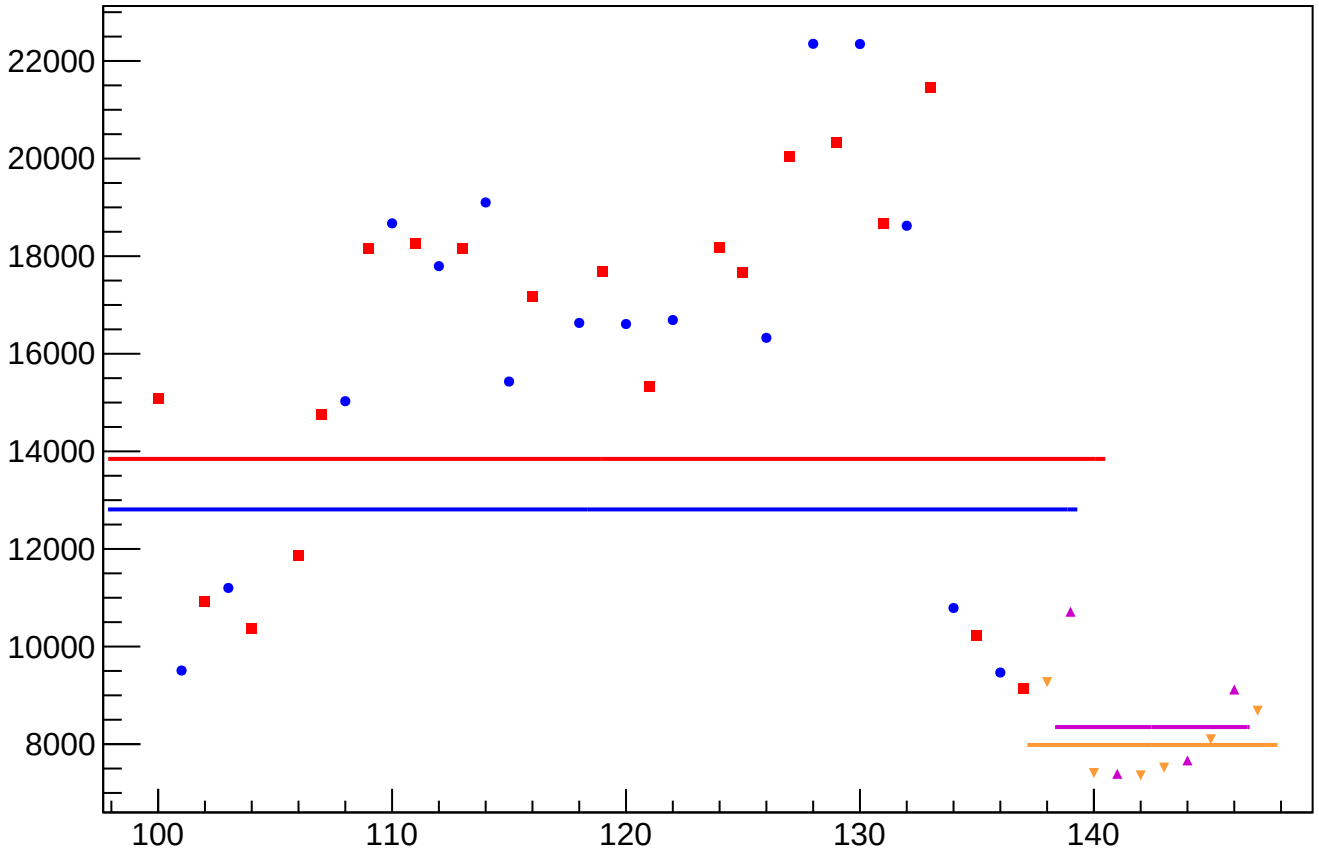
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.877+/-4.500 χ^2/NDF:1.9/3

+ sign -8.730+/-3.024 χ^2/NDF: 39.3/21

All: -7.341+/-2.266 χ^2/NDF: 58.0/44

- sign -5.560+/-3.424 χ^2/NDF: 18.3/22



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7983.935+/-2.679 χ^2/NDF:63055.2/5

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

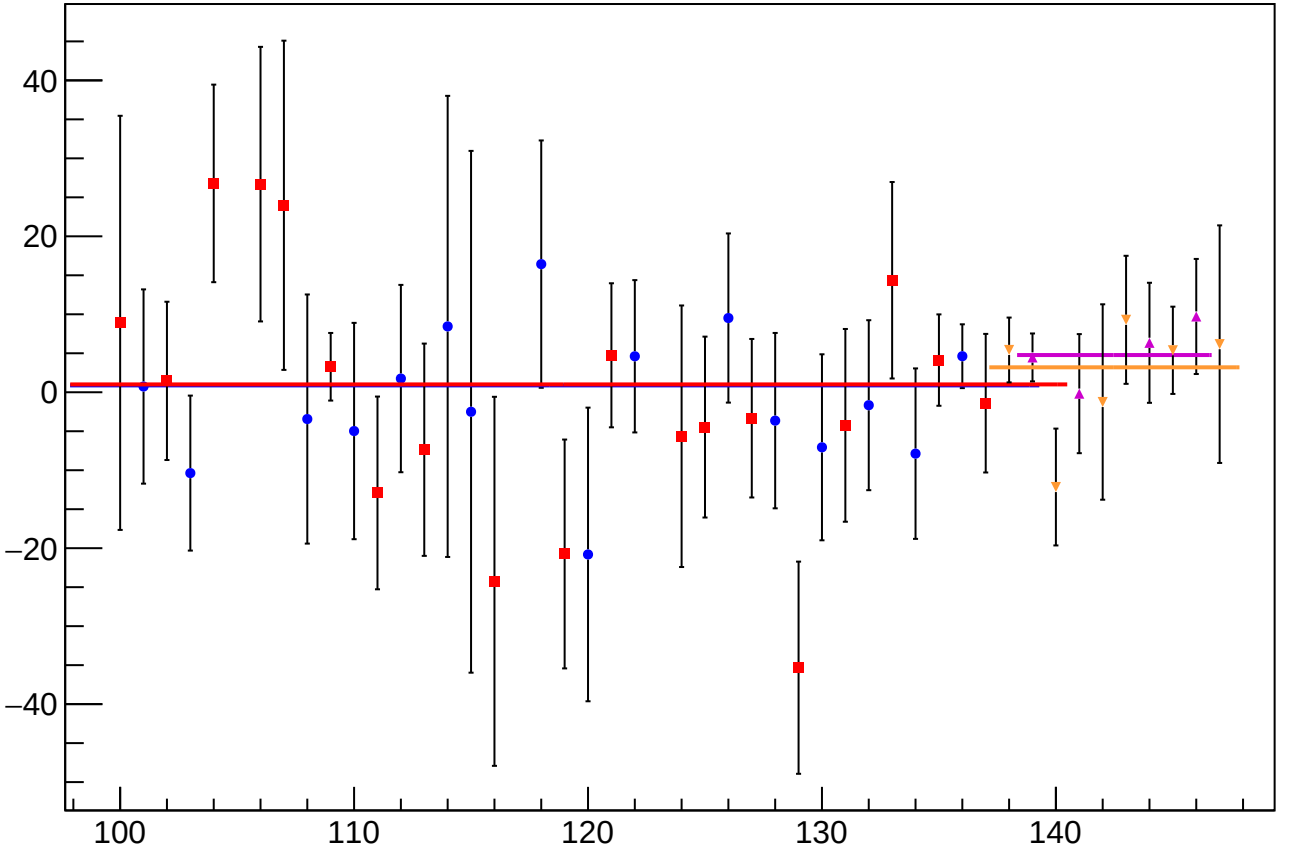
Left In: 8349.877+/-3.182 χ^2/NDF:138756.1/3

+ sign 9736.600+/-2.138 χ^2/NDF: 2489744.2/21

All: 10142.836+/-1.603 χ^2/NDF: 5063533.1/4

- sign 10663.767+/-2.421 χ^2/NDF: 2491388.2/22

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.198+/-2.740 χ^2/NDF:5.4/5

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

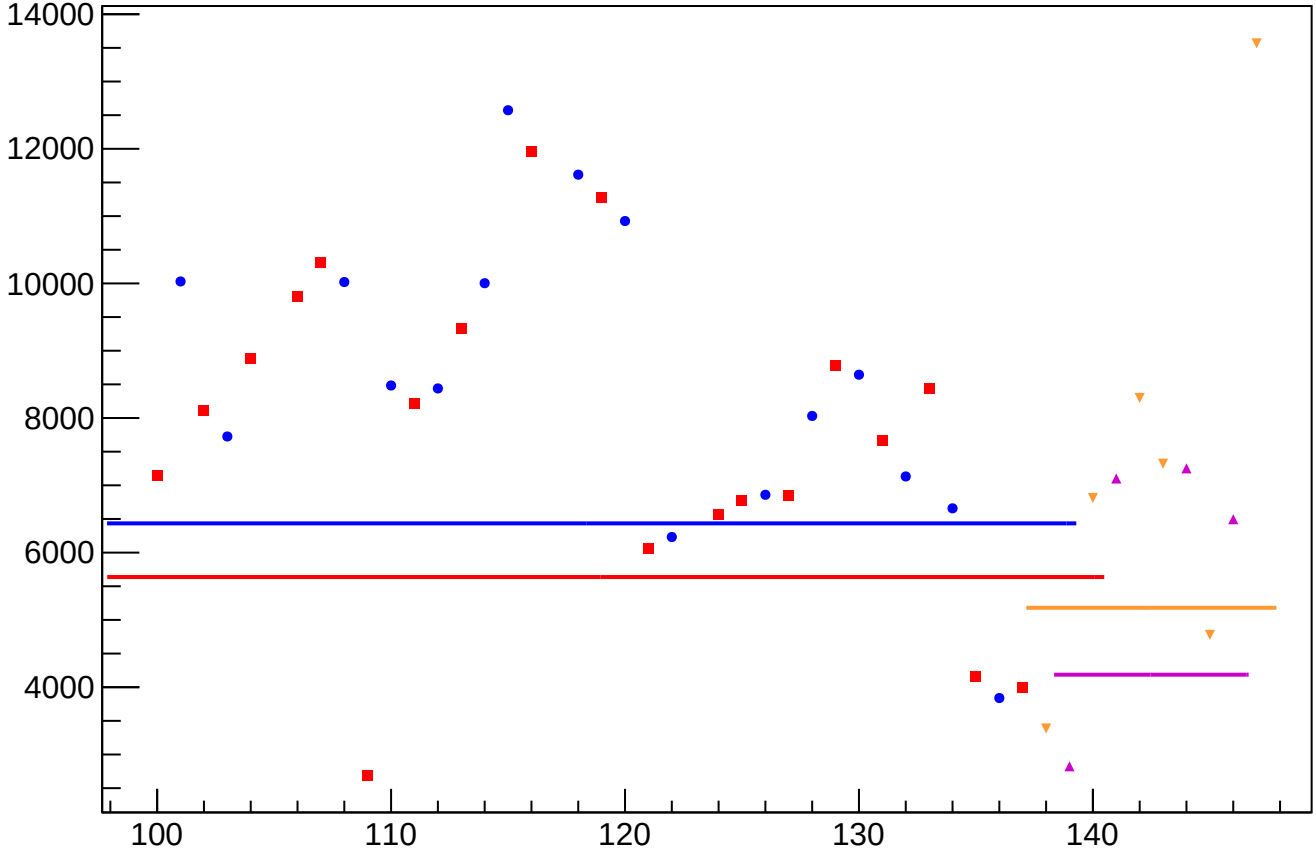
Left In: 4.773+/-2.513 χ^2/NDF:0.9/3

+ sign 1.964+/-1.873 χ^2/NDF: 12.6/21

All: 2.386+/-1.260 χ^2/NDF: 37.1/44

- sign 2.734+/-1.702 χ^2/NDF: 24.5/22

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5180.304+/-1.938 χ^2/NDF:1343827.1/5

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

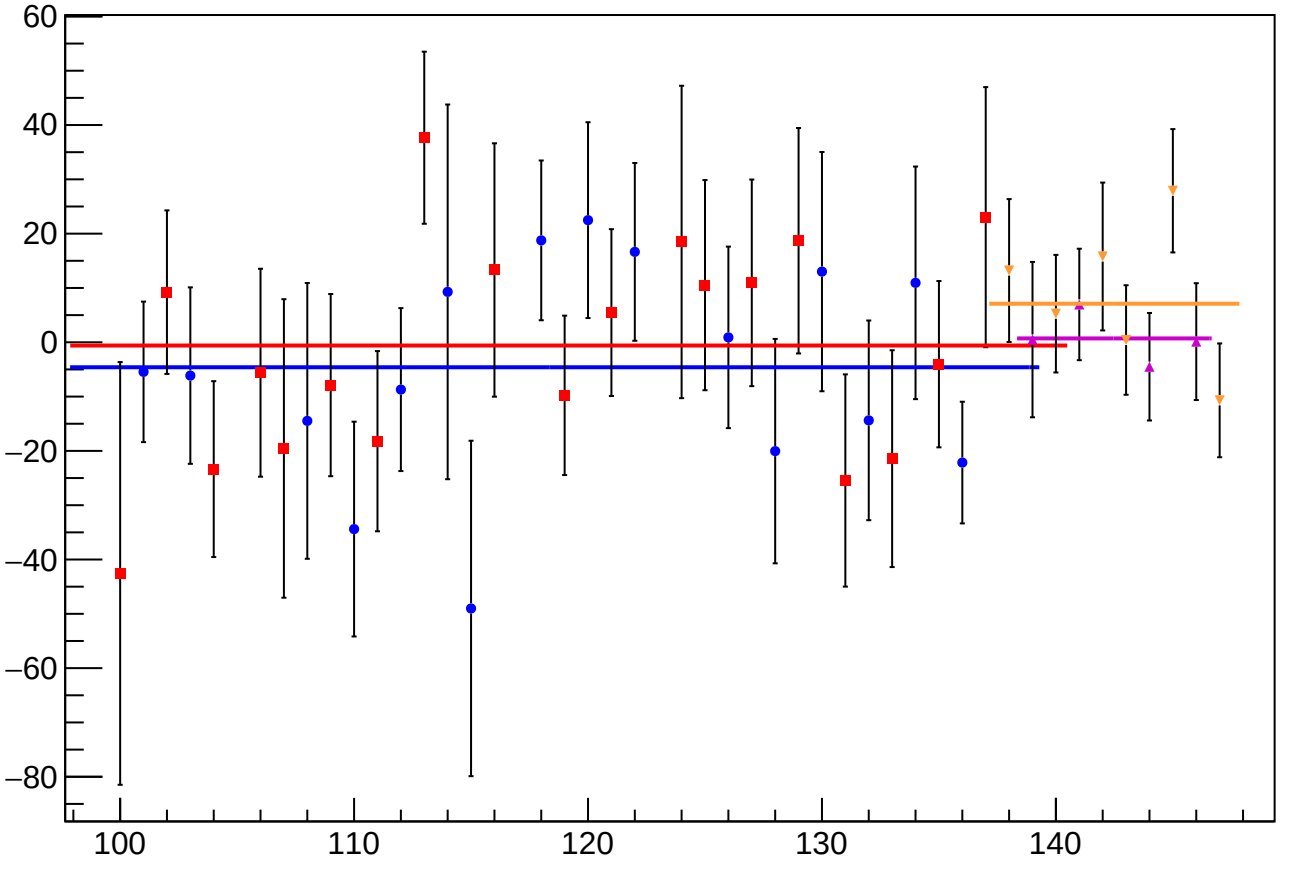
Left In: 4186.051+/-1.777 χ^2/NDF:1196977.8/3

+ sign 5848.537+/-1.324 χ^2/NDF: 3317686.6/21

All: 5368.277+/-0.891 χ^2/NDF: 7695727.5/44

- sign 4971.563+/-1.204 χ^2/NDF: 4137929.2/22

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.100+/-4.642 χ^2/NDF:7.3/5

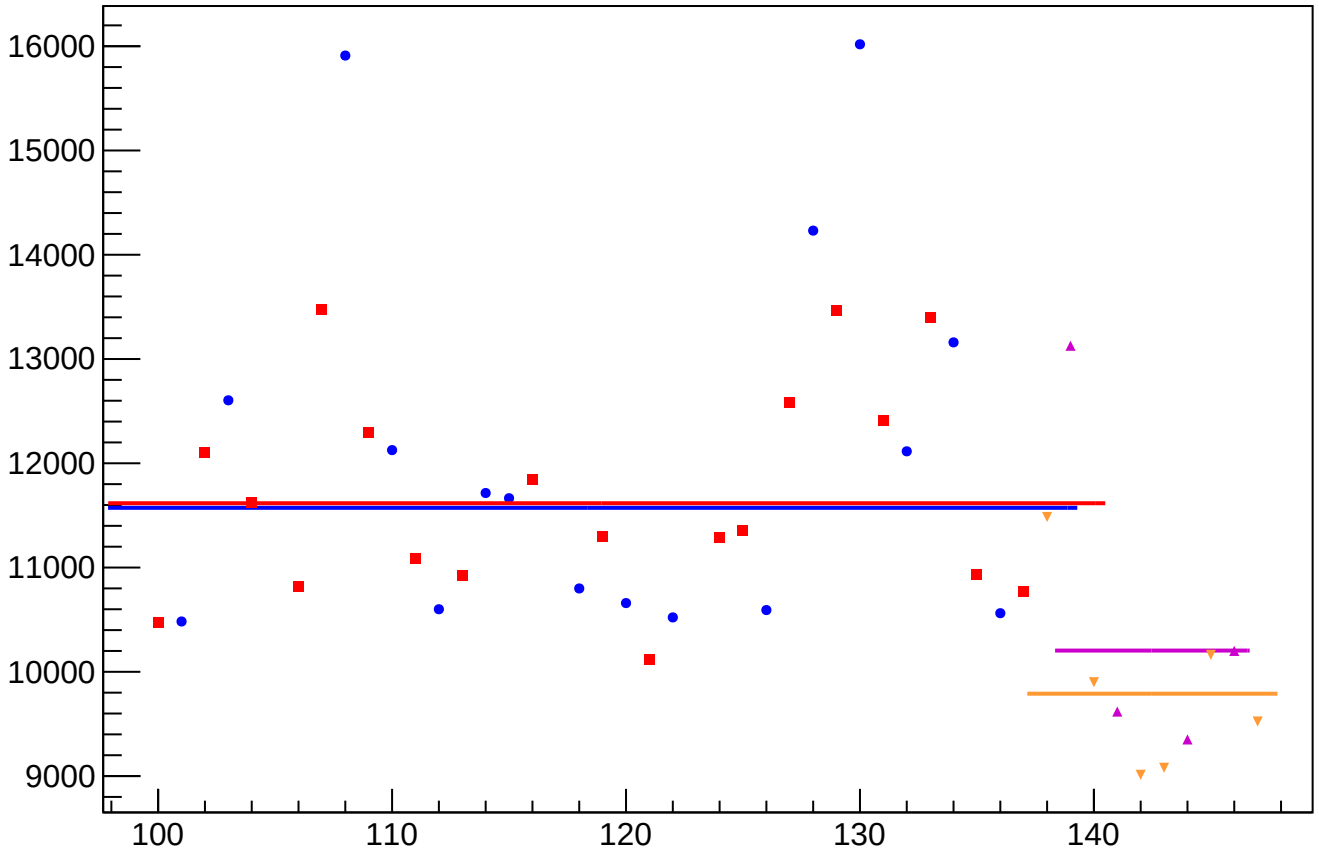
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.710+/-5.485 χ^2/NDF:0.7/3

+ sign 0.876+/-3.176 χ^2/NDF: 26.5/21

All: 0.414+/-2.311 χ^2/NDF: 45.1/44

- sign -0.106+/-3.368 χ^2/NDF: 18.6/22



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9790.083+/-3.282 χ^2/NDF:53302.2/5

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

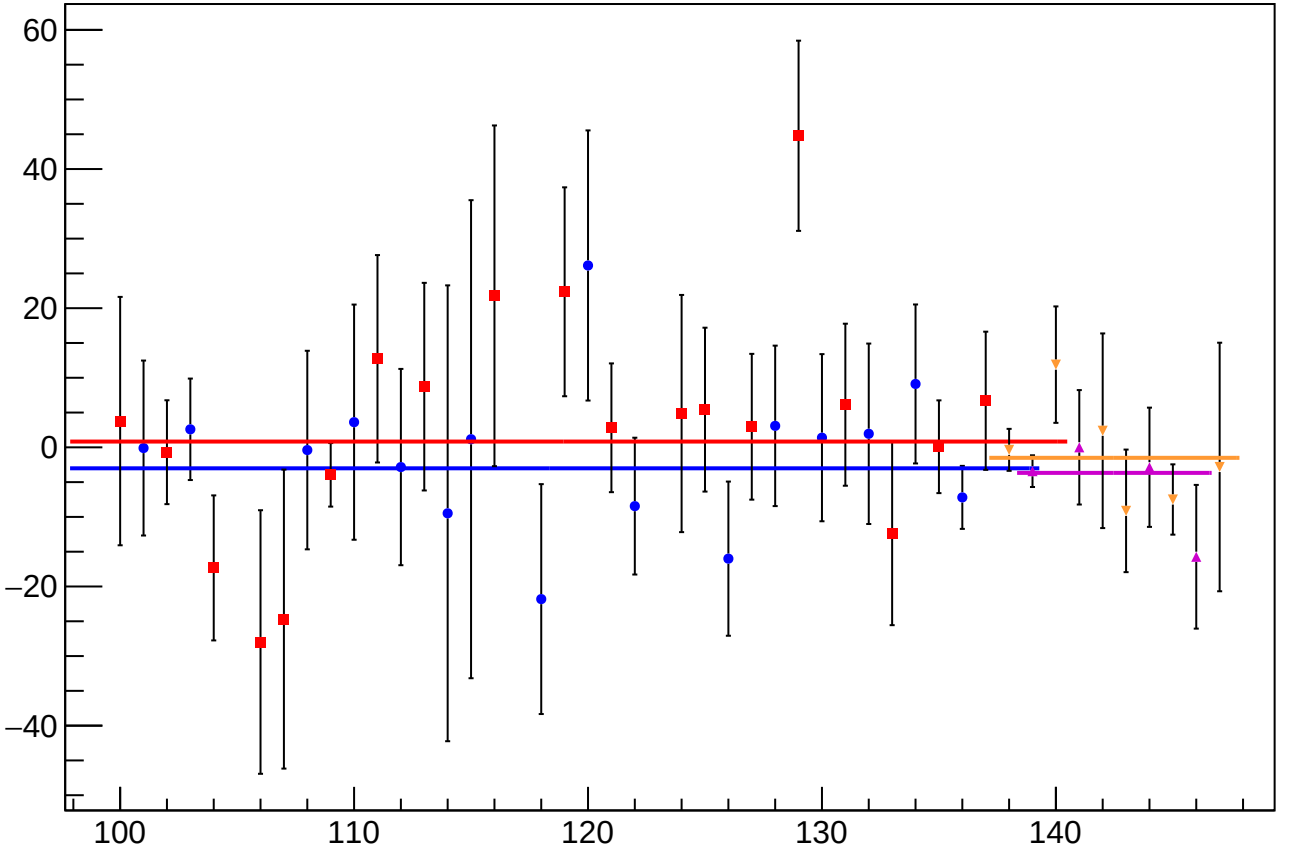
Left In: 10203.770+/-3.879 χ^2/NDF:104841.3/3

+ sign 10738.383+/-2.246 χ^2/NDF: 470328.2/21

All: 10901.134+/-1.634 χ^2/NDF: 762184.1/44

- sign 11084.145+/-2.381 χ^2/NDF: 280697.1/22

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.506+/-2.329 χ^2/NDF:4.9/5

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

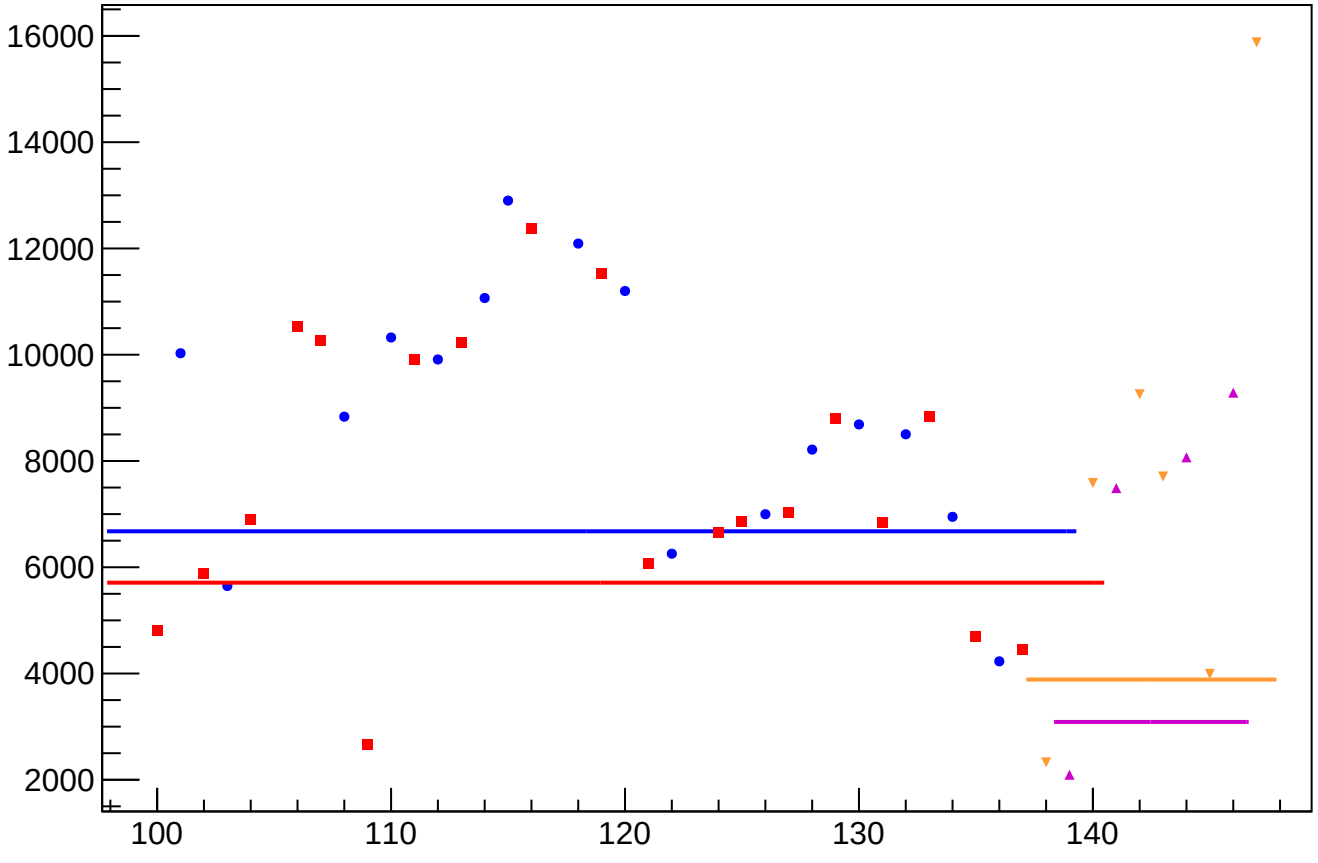
Left In: -3.671+/-2.085 χ^2/NDF:1.6/3

+ sign -2.162+/-1.750 χ^2/NDF: 13.8/21

All: -1.899+/-1.165 χ^2/NDF: 41.3/44

- sign -1.690+/-1.560 χ^2/NDF: 27.5/22

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3886.679+/-1.647 χ^2/NDF:2497633.5/5

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

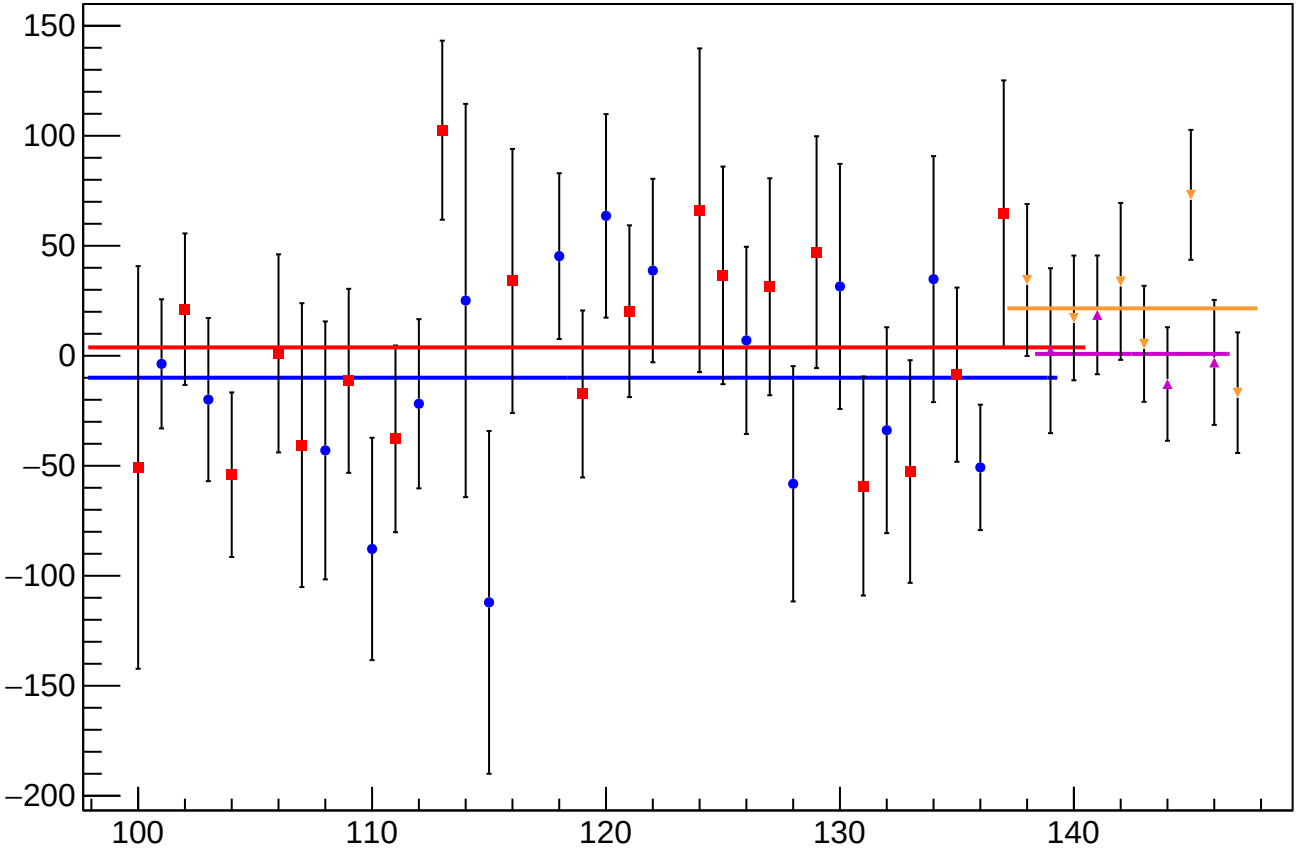
Left In: 3088.253+/-1.474 χ^2/NDF:2348038.6/3

+ sign 5100.435+/-1.238 χ^2/NDF: 5319521.8/21

All: 4621.868+/-0.823 χ^2/NDF: 11628679.1/4

- sign 4241.797+/-1.103 χ^2/NDF: 6040930.9/22

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

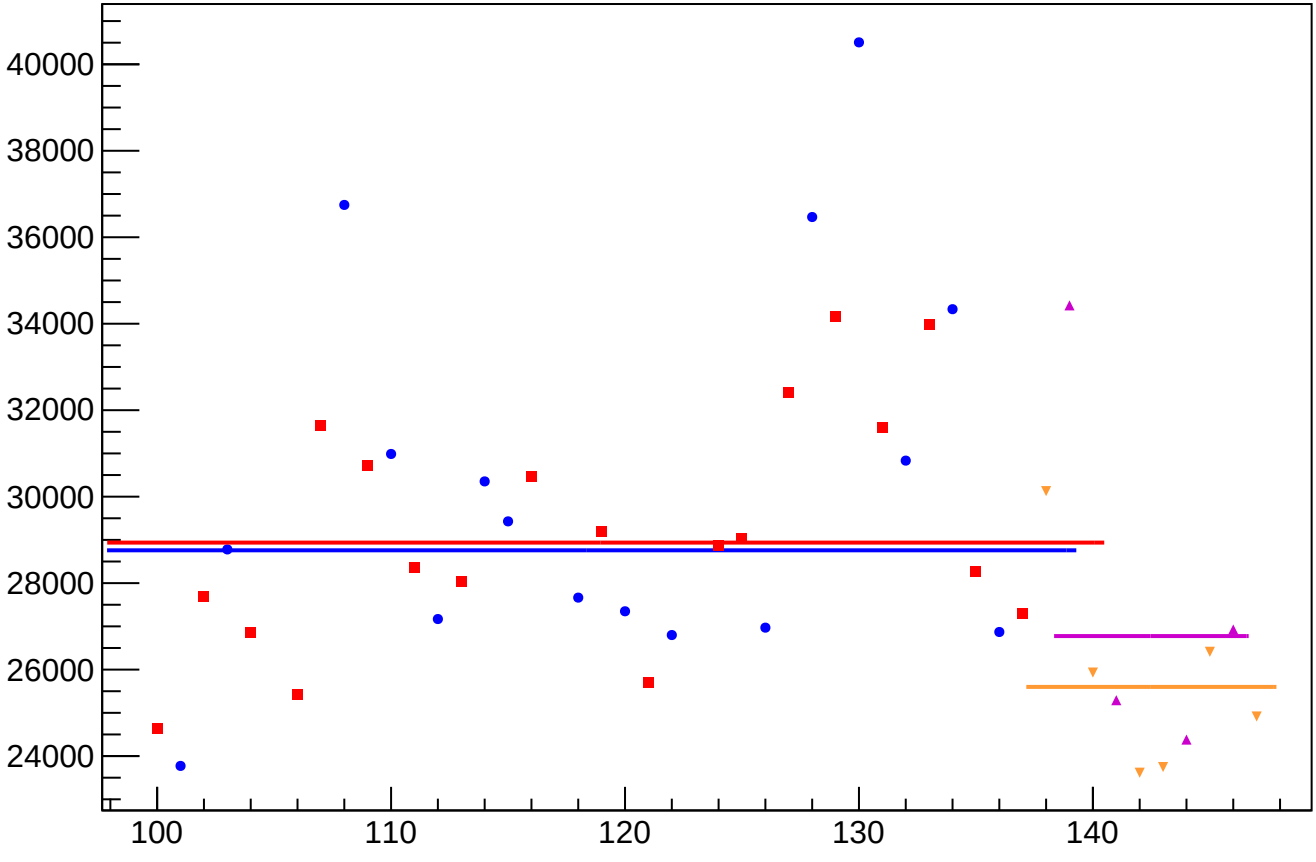
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 3.426+/-5.876 χ^2/NDF: 42.8/44

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

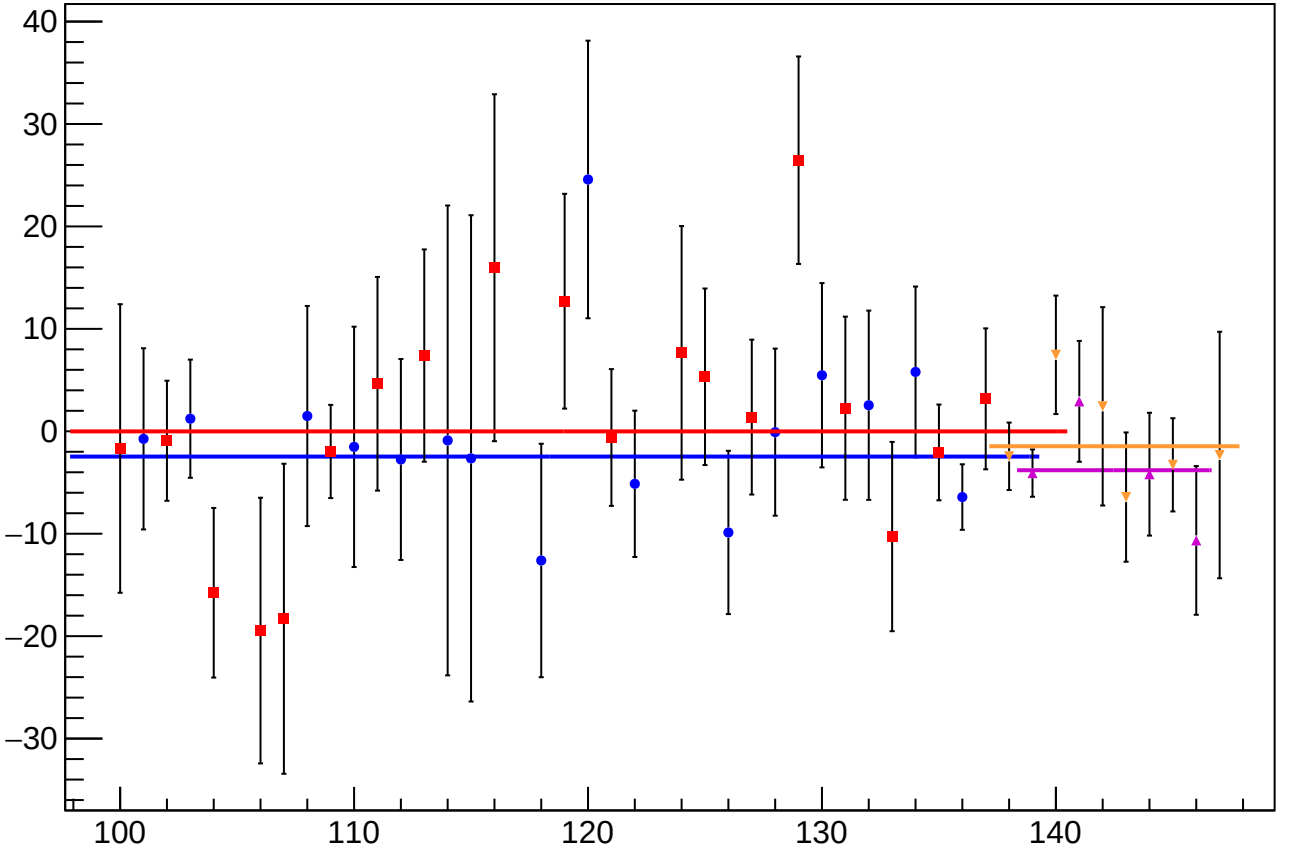
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27358.278+/-5.717 χ^2/NDF: 406483.6/21

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.461+/-2.166 χ^2/NDF:3.4/5

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

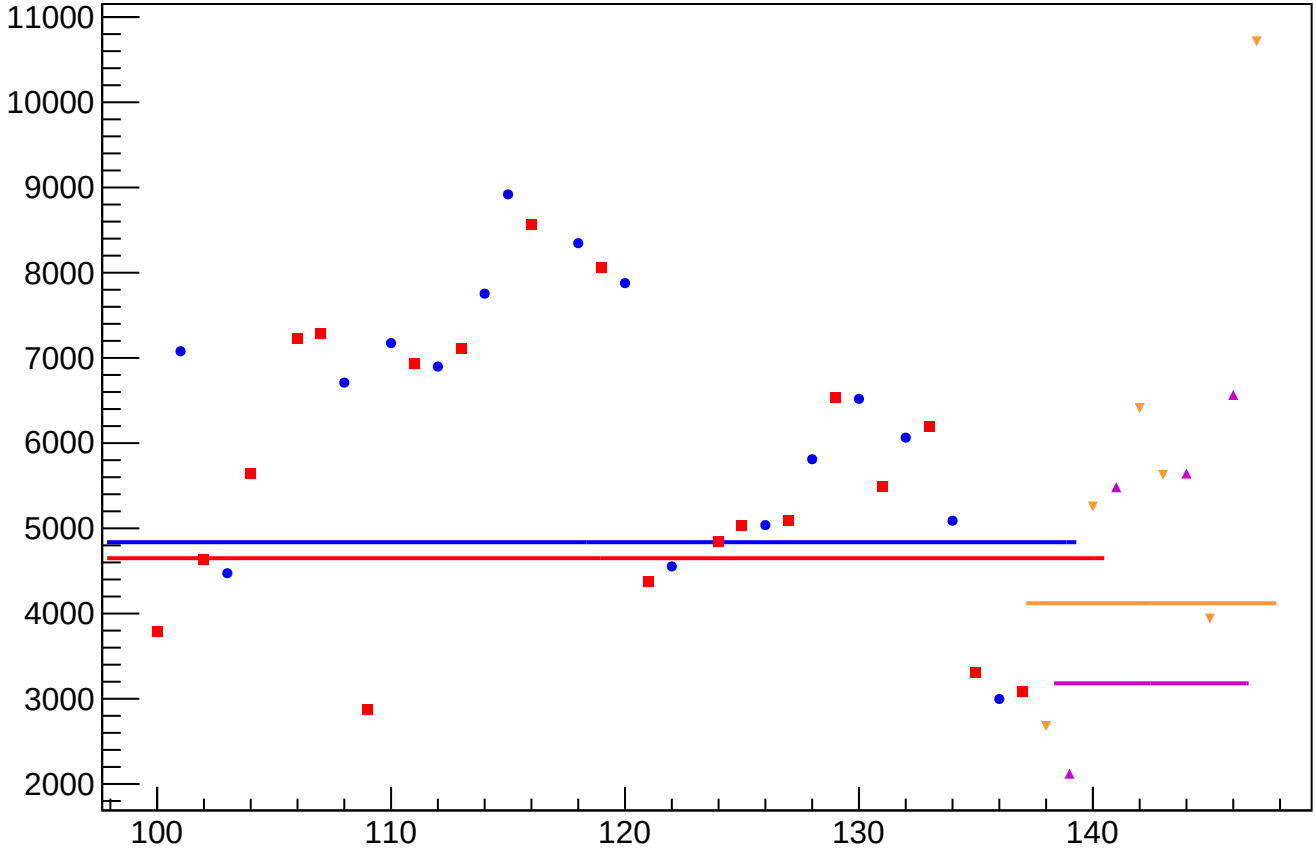
Left In: -3.801+/-1.949 χ^2/NDF:2.2/3

+ sign -2.026+/-1.435 χ^2/NDF: 13.6/21

All: -1.896+/-0.977 χ^2/NDF: 37.8/44

- sign -1.783+/-1.334 χ^2/NDF: 24.2/22

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4121.080+/-1.532 χ^2/NDF:1289582.7/5

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

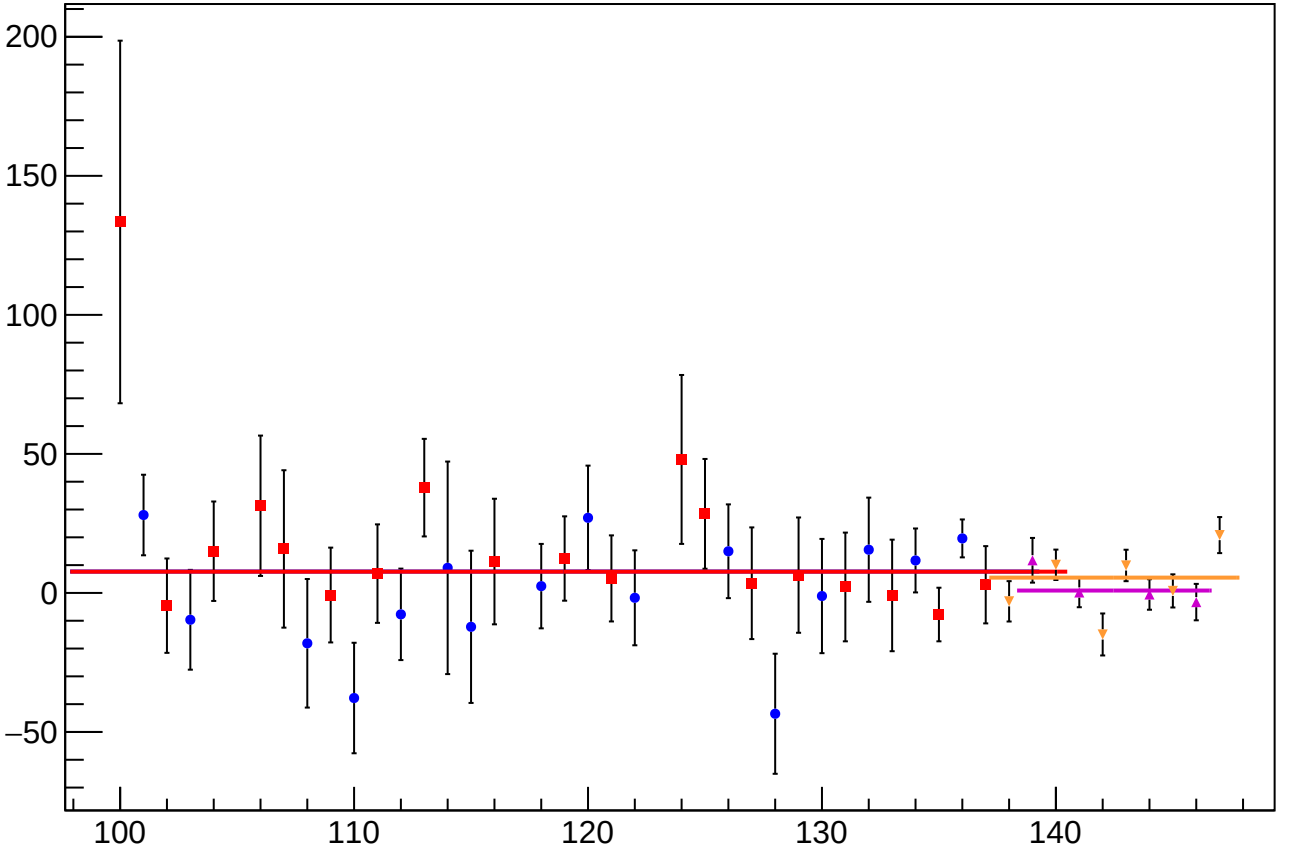
Left In: 3181.237+/-1.378 χ^2/NDF:1498106.8/3

+ sign 4522.916+/-1.015 χ^2/NDF: 2959998.3/21

All: 4222.204+/-0.691 χ^2/NDF: 6660081.9/44

- sign 3962.524+/-0.943 χ^2/NDF: 3536413.7/22

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.507+/-2.555 χ^2/NDF:16.2/5

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

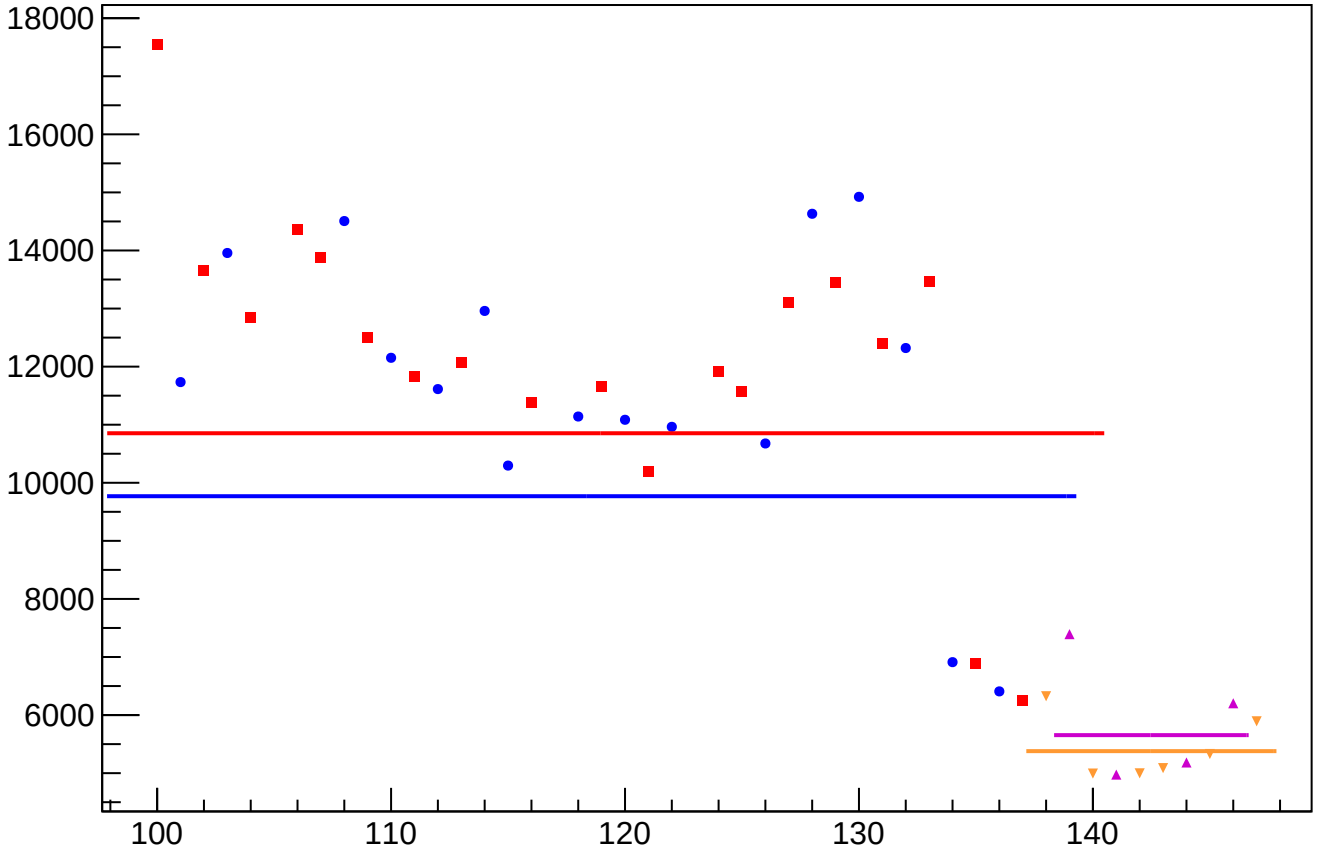
Left In: 0.860+/-3.051 χ^2/NDF:2.3/3

+ sign 6.185+/-2.124 χ^2/NDF: 38.1/21

All: 4.937+/-1.604 χ^2/NDF: 57.5/44

- sign 3.281+/-2.448 χ^2/NDF: 18.7/22

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5379.157+/-1.807 χ^2/NDF:67060.7/5

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

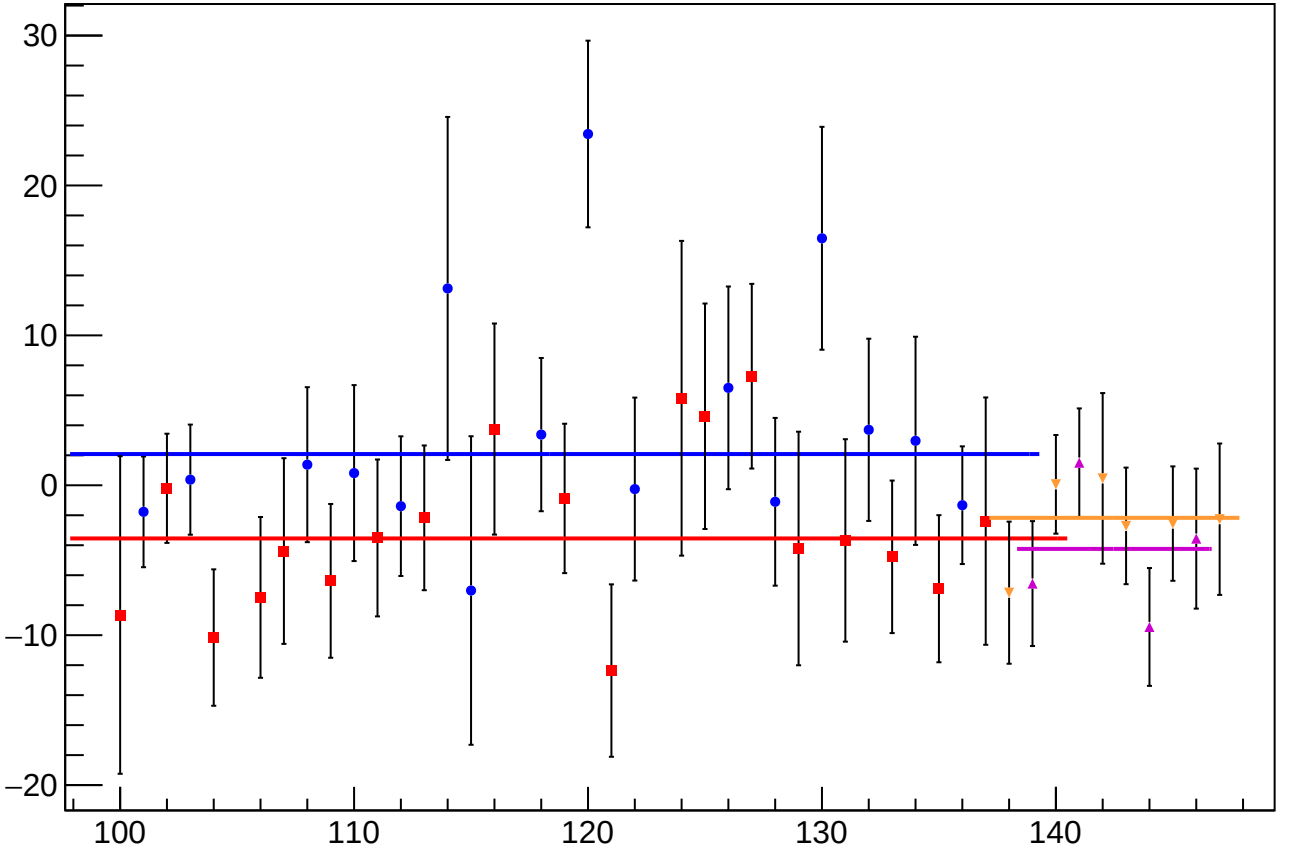
Left In: 5654.779+/-2.157 χ^2/NDF:155020.5/3

+ sign 6735.903+/-1.502 χ^2/NDF: 3105640.7/21

All: 7067.477+/-1.134 χ^2/NDF: 6318284.1/44

- sign 7507.920+/-1.731 χ^2/NDF: 3099118.9/22

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.172+/-1.711 χ^2/NDF:1.8/5

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

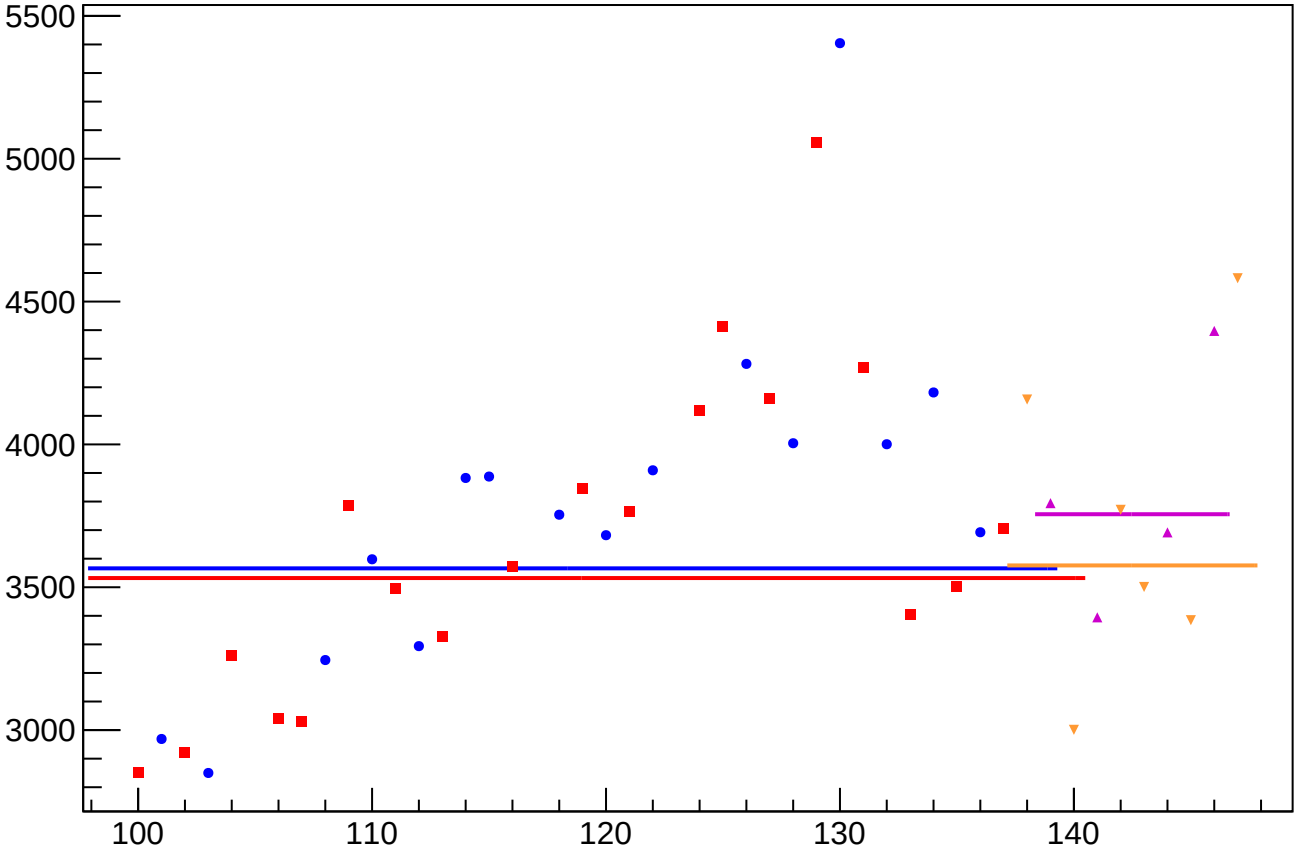
Left In: -4.244+/-2.022 χ^2/NDF:4.6/3

+ sign 0.456+/-1.057 χ^2/NDF: 26.6/21

All: -1.572+/-0.761 χ^2/NDF: 52.4/44

- sign -3.751+/-1.096 χ^2/NDF: 18.1/22

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3576.375+/-1.210 χ^2/NDF:178600.9/5

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

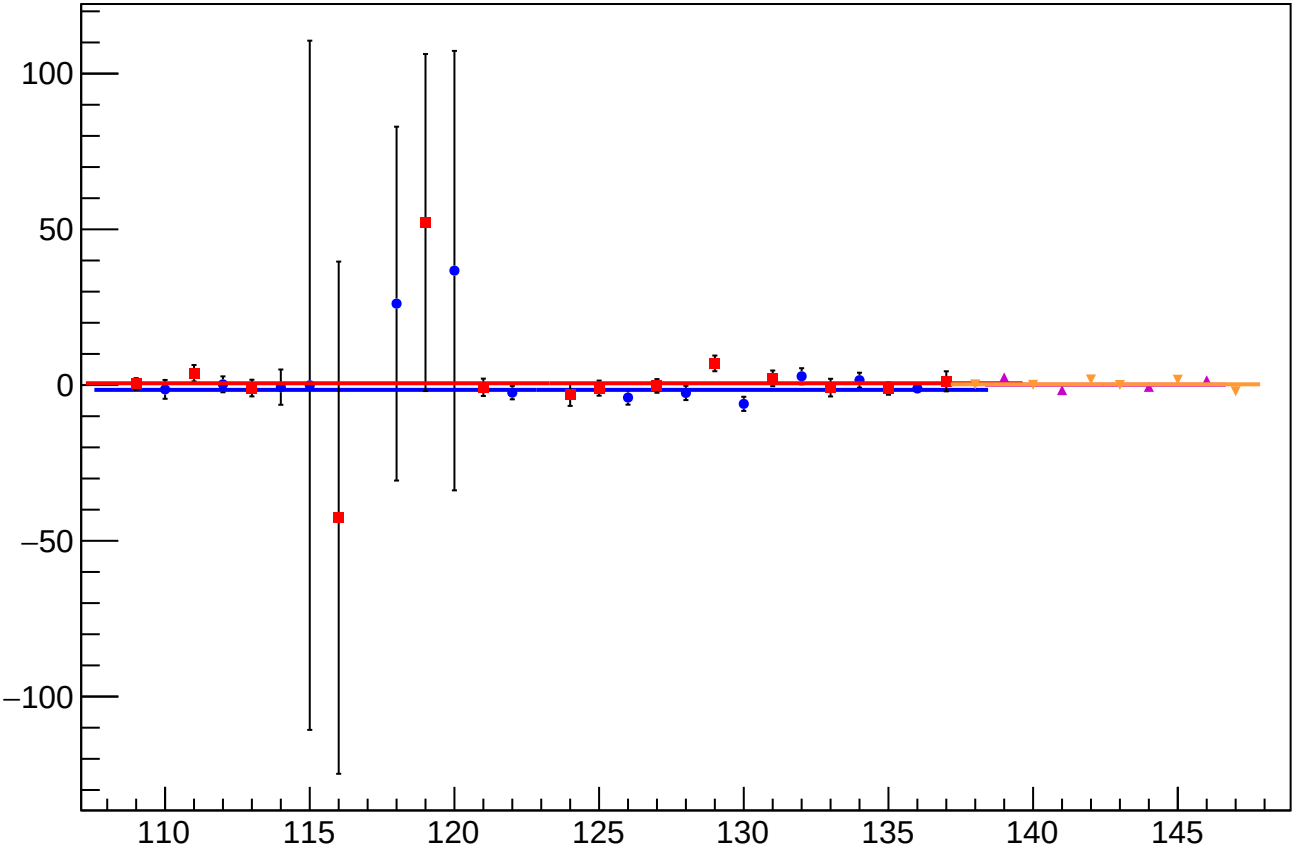
Left In: 3755.630+/-1.430 χ^2/NDF:58342.3/3

+ sign 3570.058+/-0.748 χ^2/NDF: 519750.6/21

All: 3583.444+/-0.538 χ^2/NDF: 874695.4/44

- sign 3597.824+/-0.775 χ^2/NDF: 354280.0/22

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.250+/-0.473 χ^2/NDF:6.8/5

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

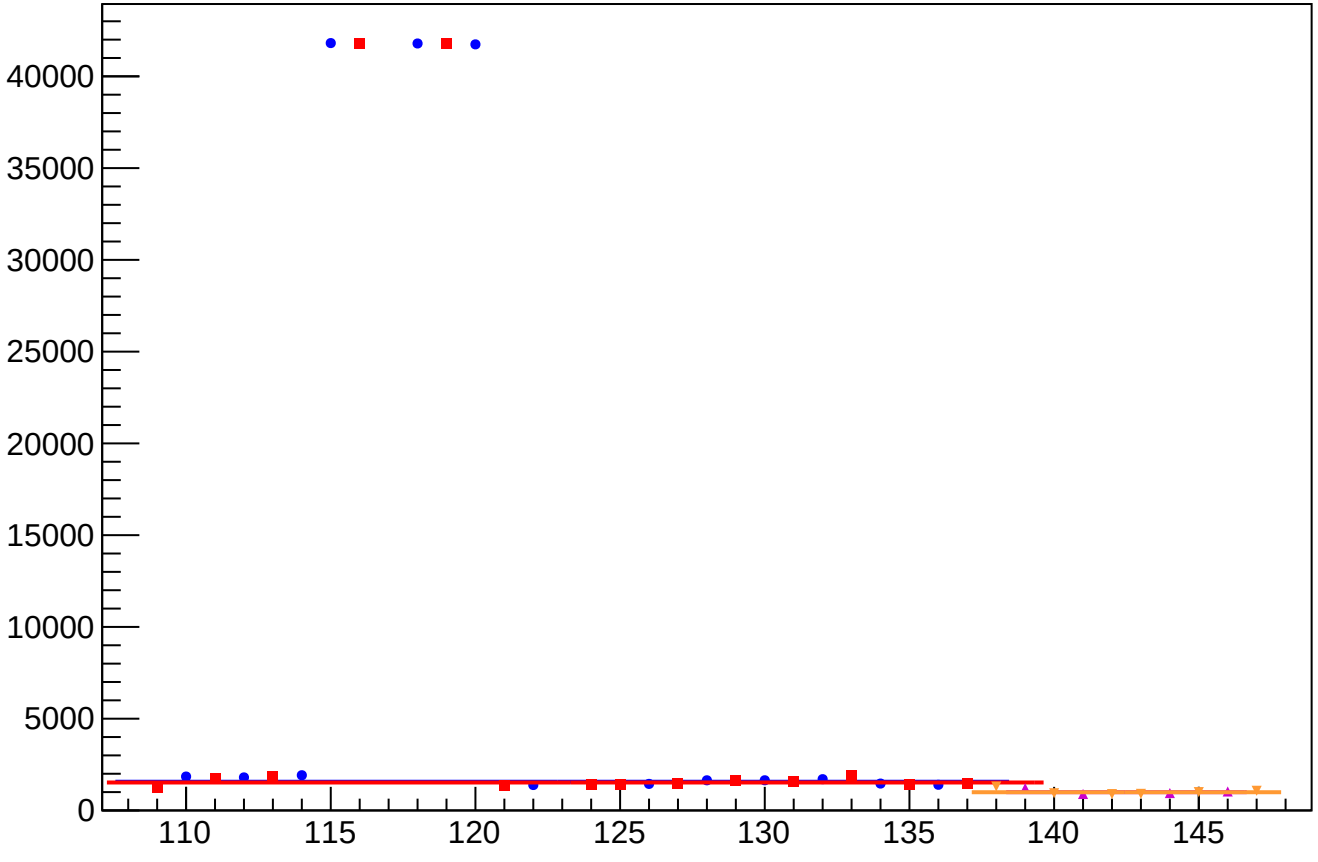
Left In: 0.114+/-0.537 χ^2/NDF:8.5/3

+ sign -0.275+/-0.397 χ^2/NDF: 22.1/18

All: -0.017+/-0.292 χ^2/NDF: 44.4/36

- sign 0.284+/-0.430 χ^2/NDF: 21.4/17

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 993.110+/-0.334 χ^2/NDF:128730.2/5

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

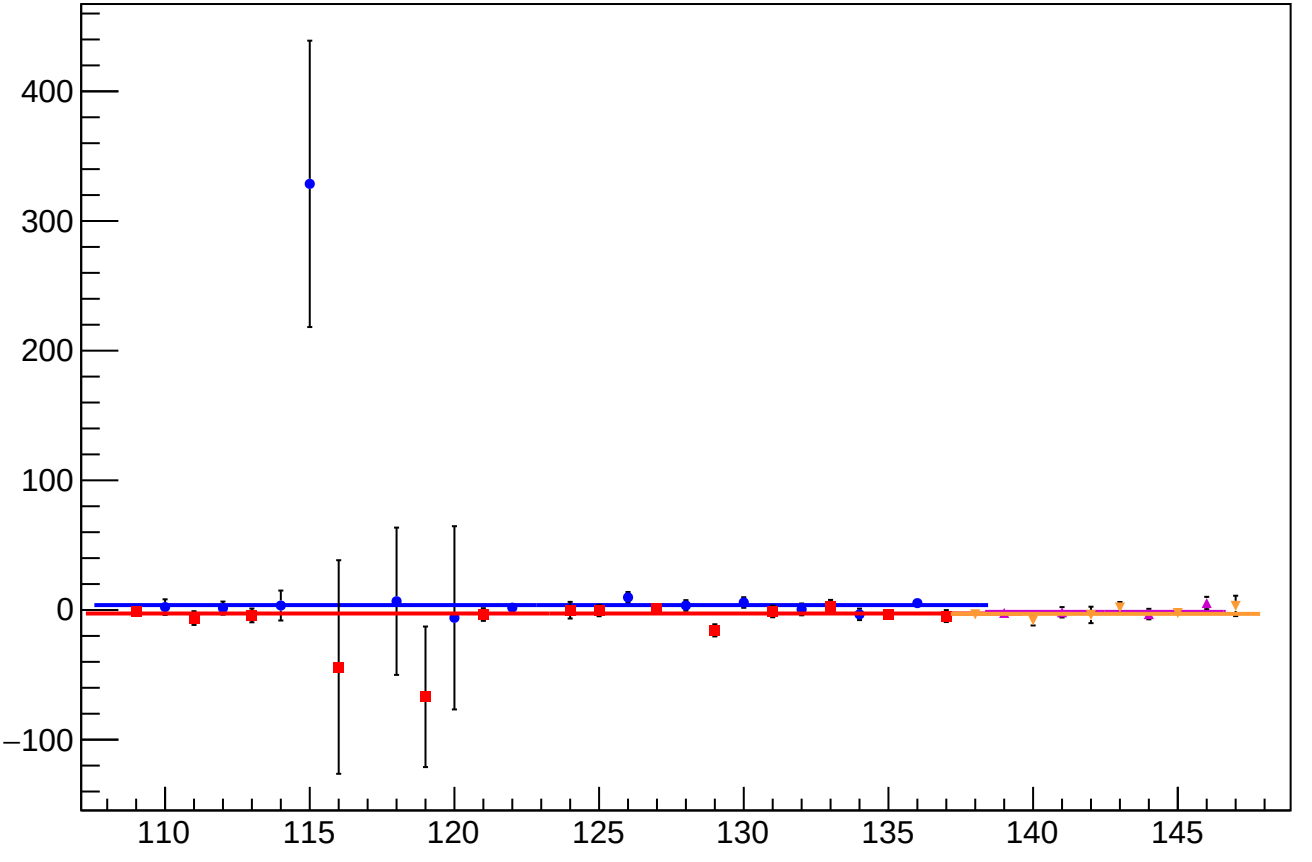
Left In: 997.373+/-0.379 χ^2/NDF:82923.4/3

+ sign 1160.969+/-0.281 χ^2/NDF: 3003975.8/18

All: 1172.641+/-0.206 χ^2/NDF: 5520915.3/36

- sign 1186.297+/-0.304 χ^2/NDF: 2513191.9/17

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.985+/-1.453 χ^2/NDF:3.6/5

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

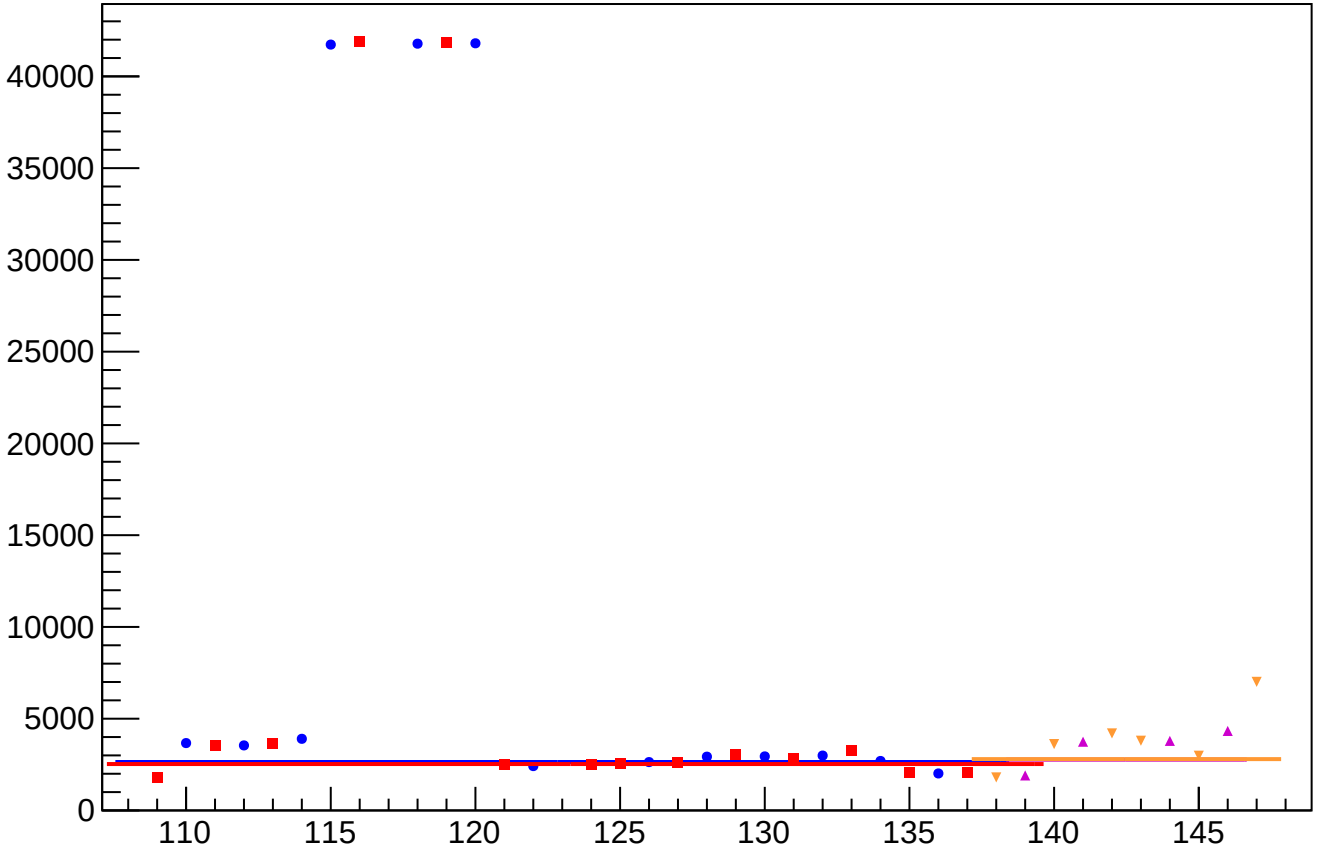
Left In: -1.454+/-1.599 χ^2/NDF:2.3/3

+ sign 0.906+/-0.947 χ^2/NDF: 31.2/18

All: -0.642+/-0.676 χ^2/NDF: 53.1/36

- sign -2.252+/-0.965 χ^2/NDF: 16.4/17

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2797.564+/-1.028 χ^2/NDF:1327735.5/5

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

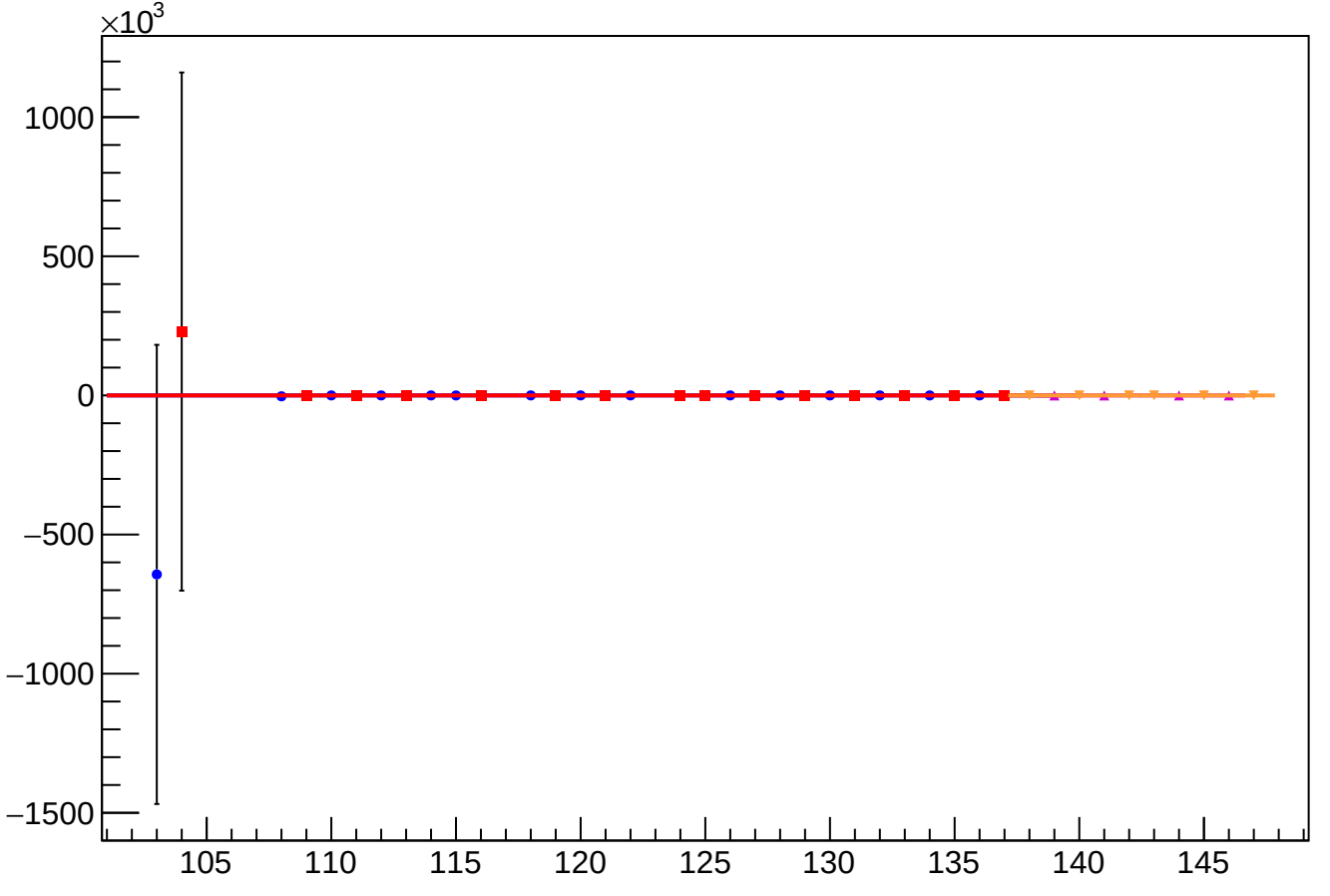
Left In: 2767.462+/-1.131 χ^2/NDF:793034.1/3

+ sign 2706.857+/-0.670 χ^2/NDF: 3514667.1/18

All: 2662.266+/-0.478 χ^2/NDF: 6294937.5/36

- sign 2615.929+/-0.683 χ^2/NDF: 2771227.7/17

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.111+/-0.704 χ^2/NDF:15.3/5

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

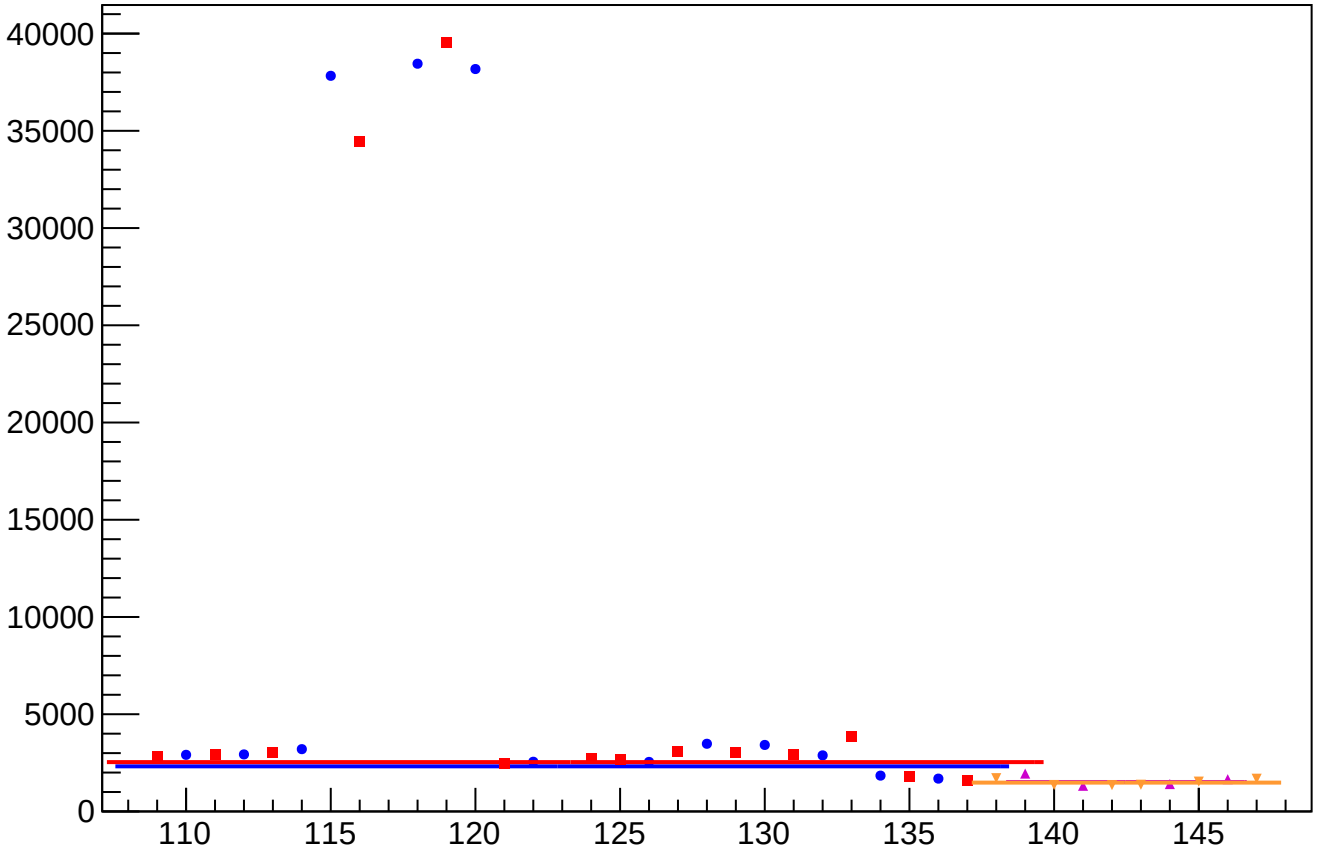
Left In: -0.627+/-0.818 χ^2/NDF:0.8/3

+ sign -1.140+/-0.597 χ^2/NDF: 34.1/20

All: -1.195+/-0.448 χ^2/NDF: 51.3/39

- sign -1.267+/-0.678 χ^2/NDF: 17.2/18

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1483.381+/-0.498 χ^2/NDF:84103.8/5

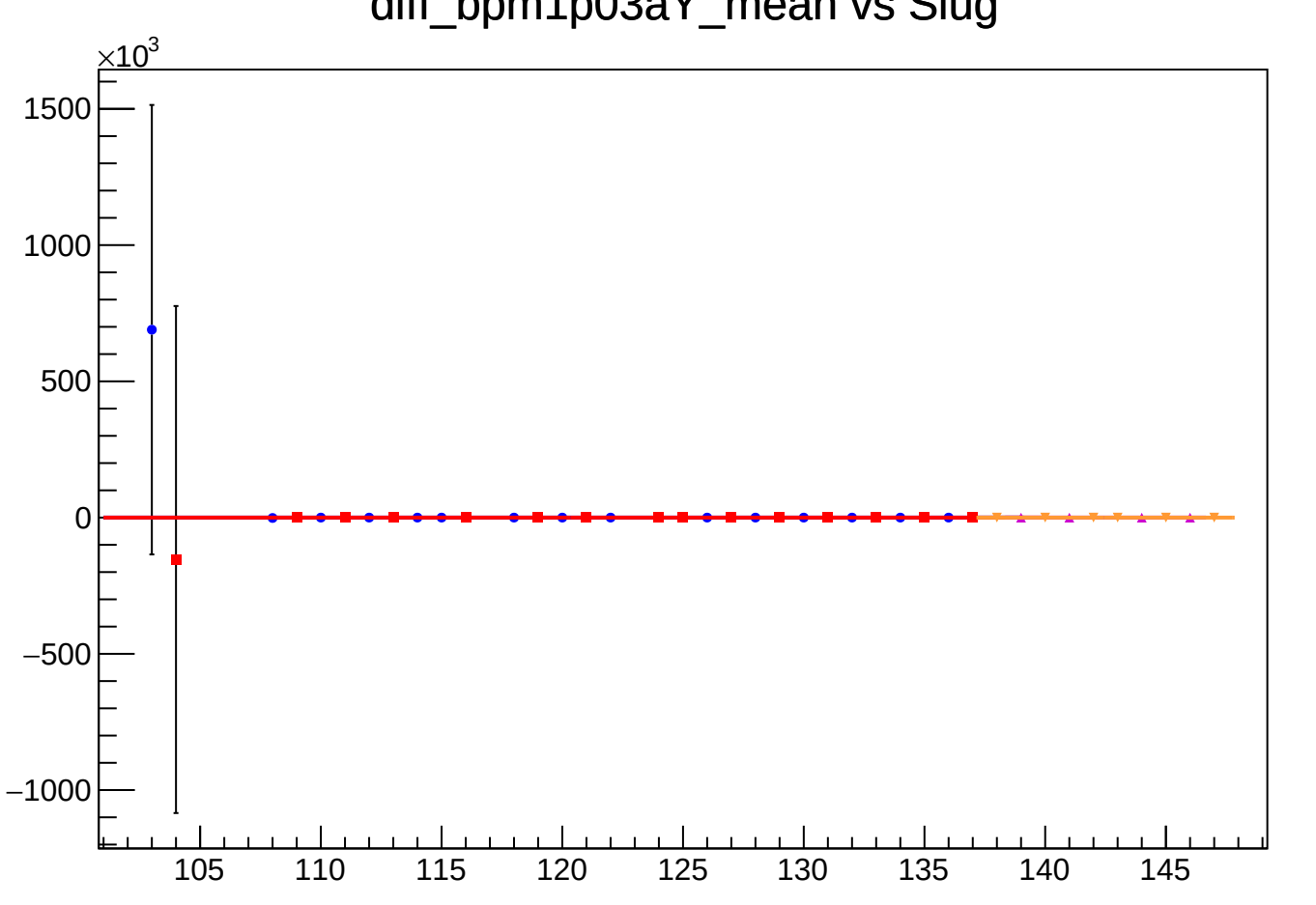
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1514.789+/-0.578 χ^2/NDF:144879.7/3

+ sign 1718.887+/-0.422 χ^2/NDF: 3340887.0/18

All: 1769.666+/-0.317 χ^2/NDF: 6536720.0/36

- sign 1835.152+/-0.479 χ^2/NDF: 3162689.0/17



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.454+/-0.991 χ^2/NDF:6.4/5

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

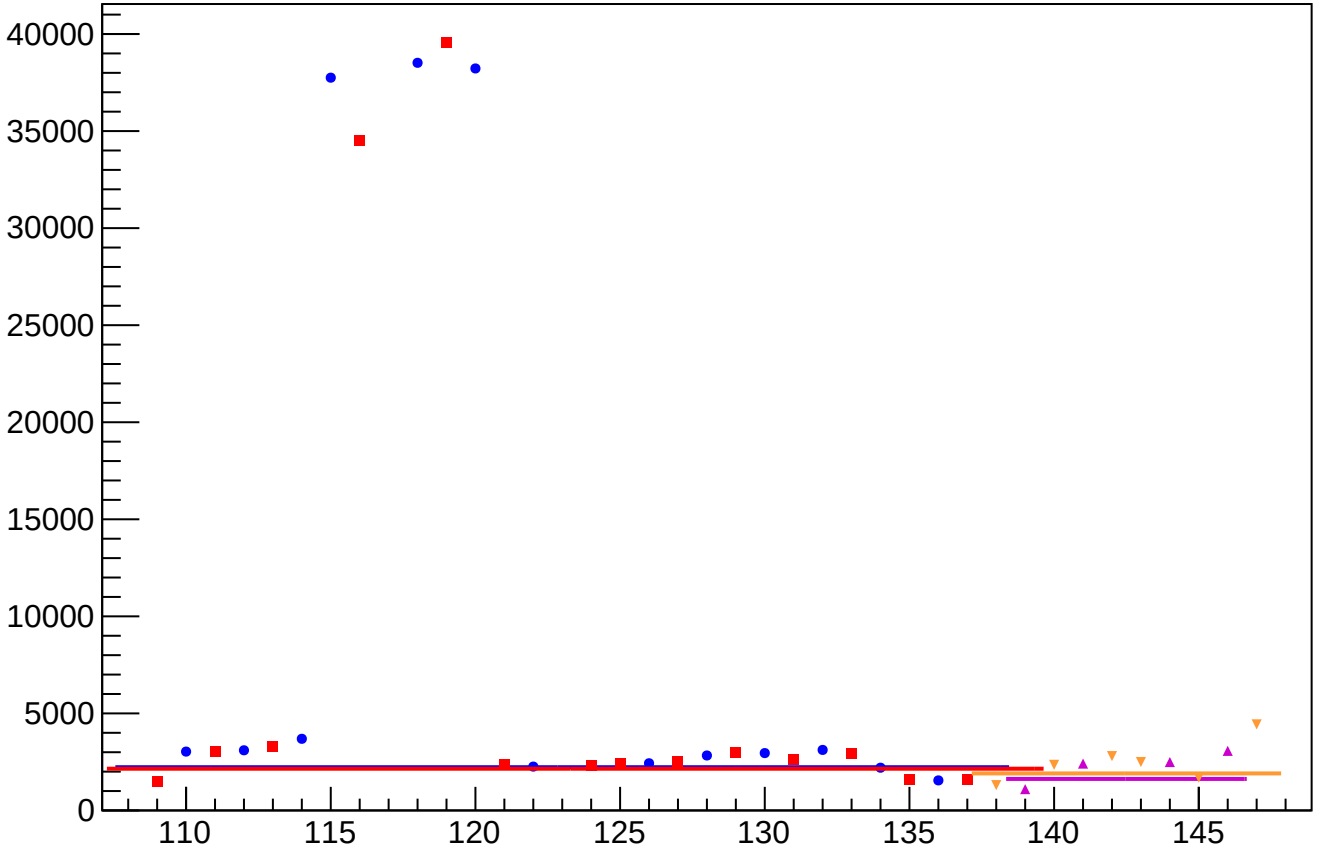
Left In: 0.471+/-0.963 χ^2/NDF:2.0/3

+ sign -0.003+/-0.729 χ^2/NDF: 16.1/20

All: -0.313+/-0.509 χ^2/NDF: 36.6/39

- sign -0.607+/-0.710 χ^2/NDF: 20.1/18

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1908.158+/-0.701 χ^2/NDF:1062492.8/5

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

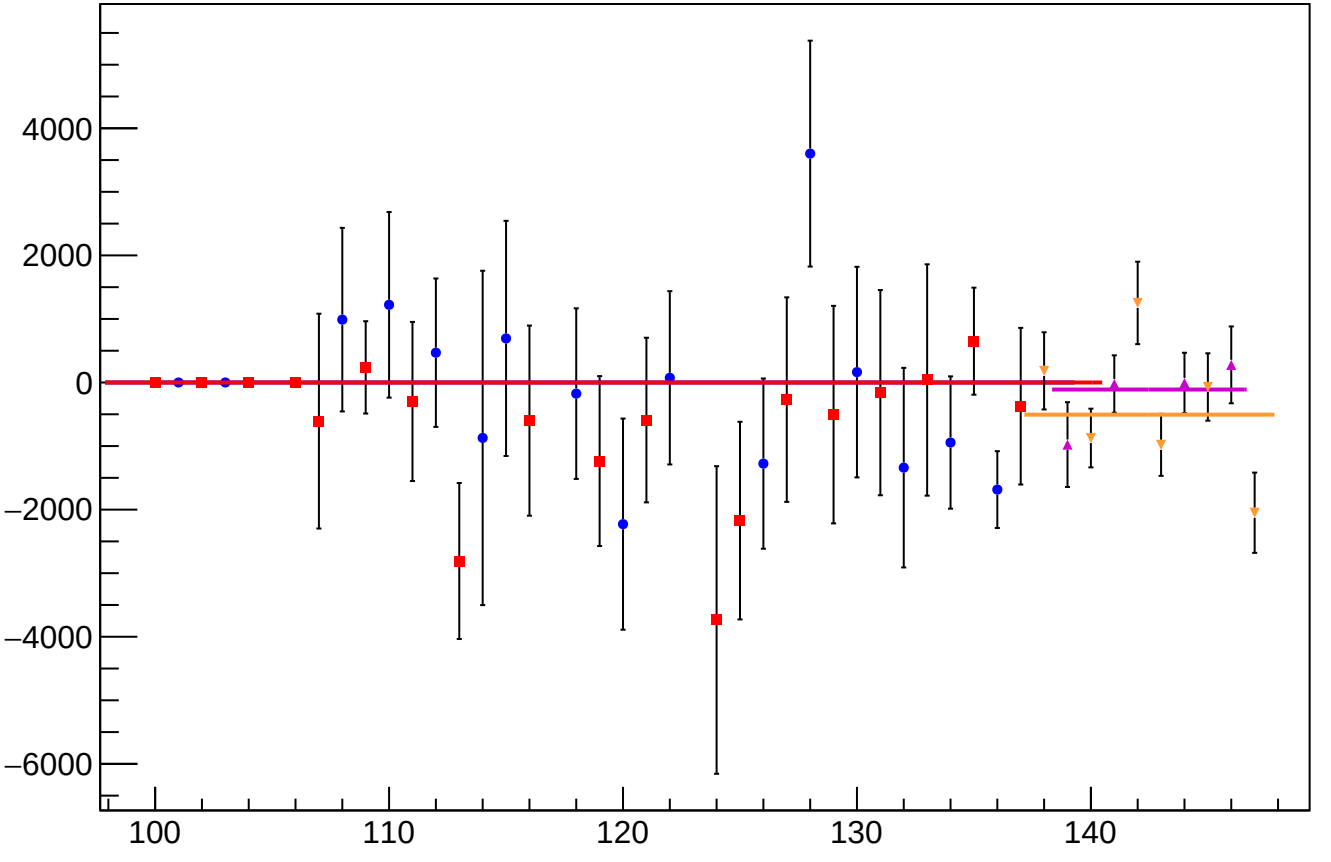
Left In: 1623.923+/-0.681 χ^2/NDF:1156537.5/3

+ sign 2054.423+/-0.516 χ^2/NDF: 3679717.0/18

All: 1956.826+/-0.360 χ^2/NDF: 7410493.2/36

- sign 1864.214+/-0.502 χ^2/NDF: 3660933.6/17

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -505.650+/-223.330 χ^2/NDF:16.9/5

Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

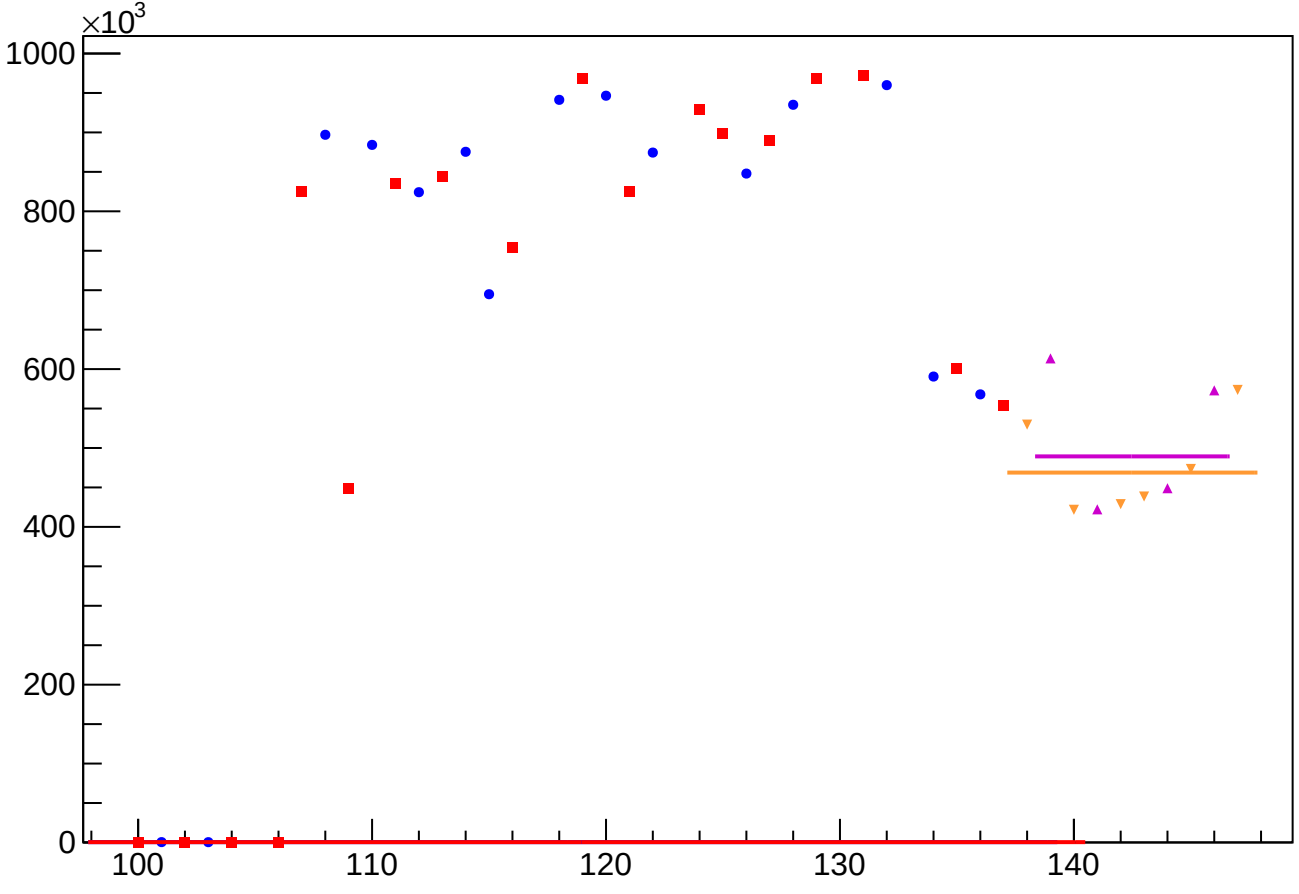
Left In: -110.528+/-264.288 χ^2/NDF:2.2/3

+ sign 0.254+/-0.356 χ^2/NDF: 39.7/21

All: 0.168+/-0.241 χ^2/NDF: 57.6/44

- sign 0.096+/-0.328 χ^2/NDF: 17.8/22

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 468830.264+/-157.918 χ^2/NDF:111486.9/5

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

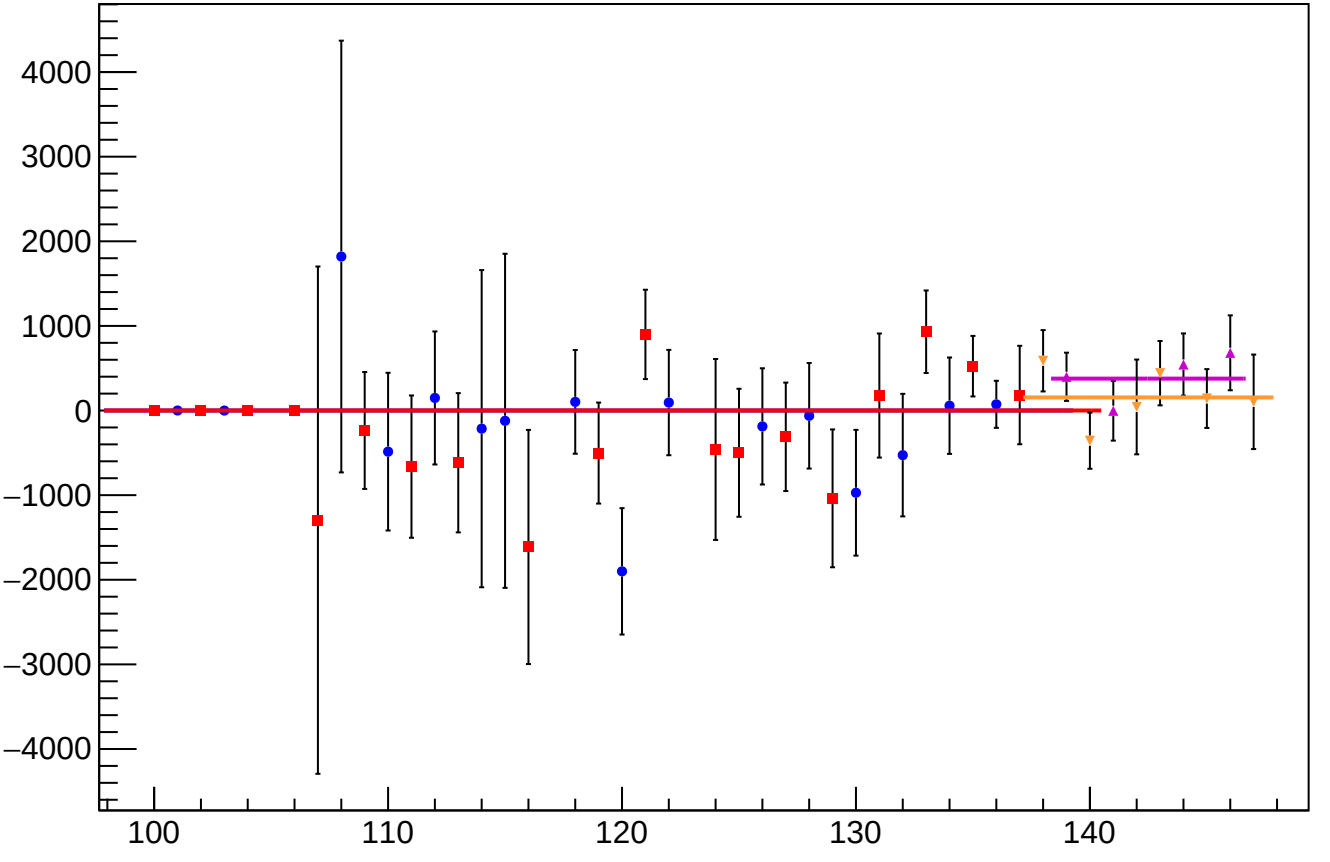
Left In: 489355.941+/-186.880 χ^2/NDF:166261.4/3

+ sign 400.069+/-0.251 χ^2/NDF: 17402162.0/20

All: 396.783+/-0.170 χ^2/NDF: 32063133.2/42

- sign 393.992+/-0.232 χ^2/NDF: 14660655.5/21

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 154.876+/-161.573 χ^2/NDF:4.4/5

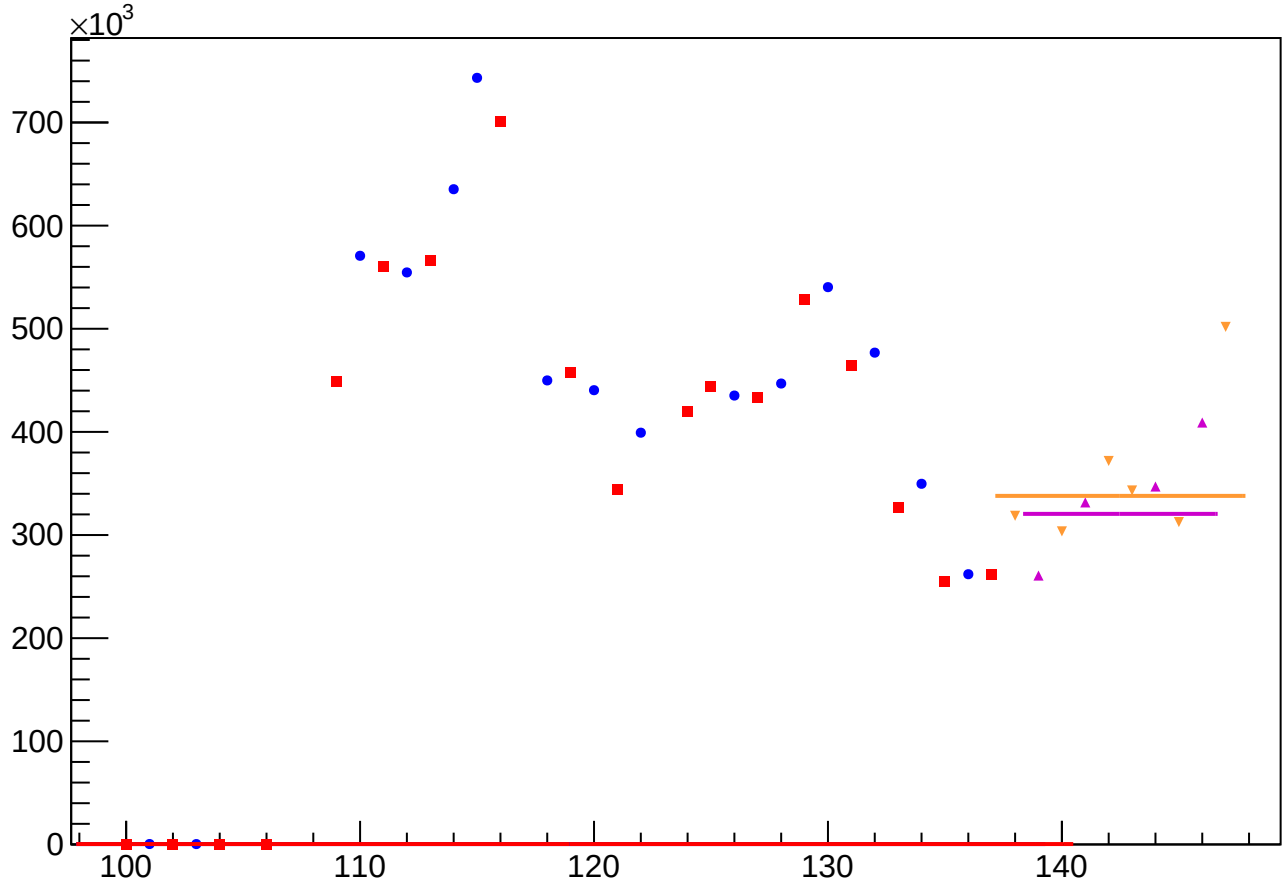
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 377.165+/-174.469 χ^2/NDF:1.8/3

+ sign -0.020+/-0.347 χ^2/NDF: 15.8/21

All: 0.312+/-0.237 χ^2/NDF: 39.0/44

- sign 0.600+/-0.324 χ^2/NDF: 21.5/22



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337964.173+/-114.250 χ^2/NDF:217882.0/5

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

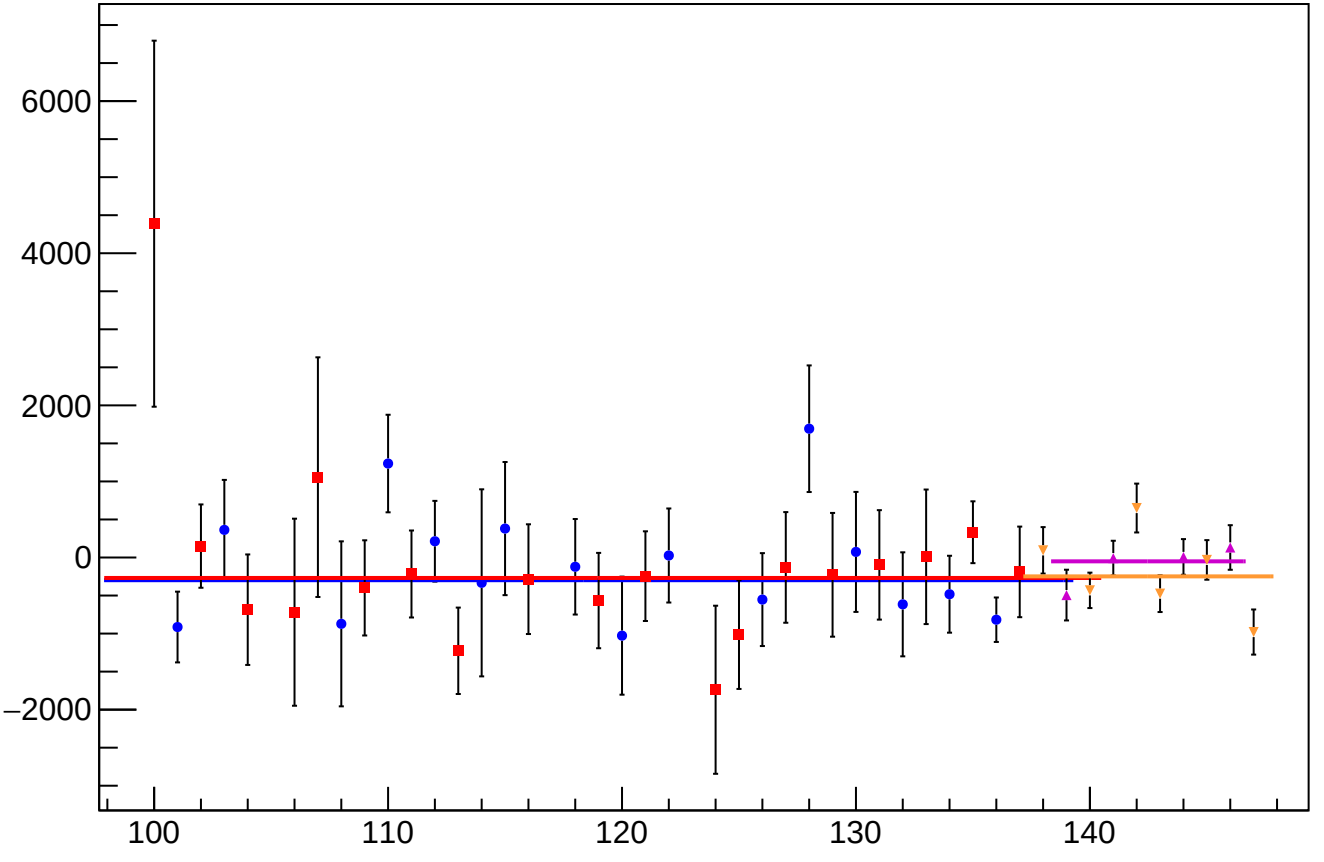
Left In: 320515.288+/-123.397 χ^2/NDF:180270.3/3

+ sign 391.834+/-0.245 χ^2/NDF: 20080365.4/20

All: 390.365+/-0.167 χ^2/NDF: 38065315.7/42

- sign 389.086+/-0.229 χ^2/NDF: 17984883.3/21

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -248.143+/-110.380 χ^2/NDF:17.4/5

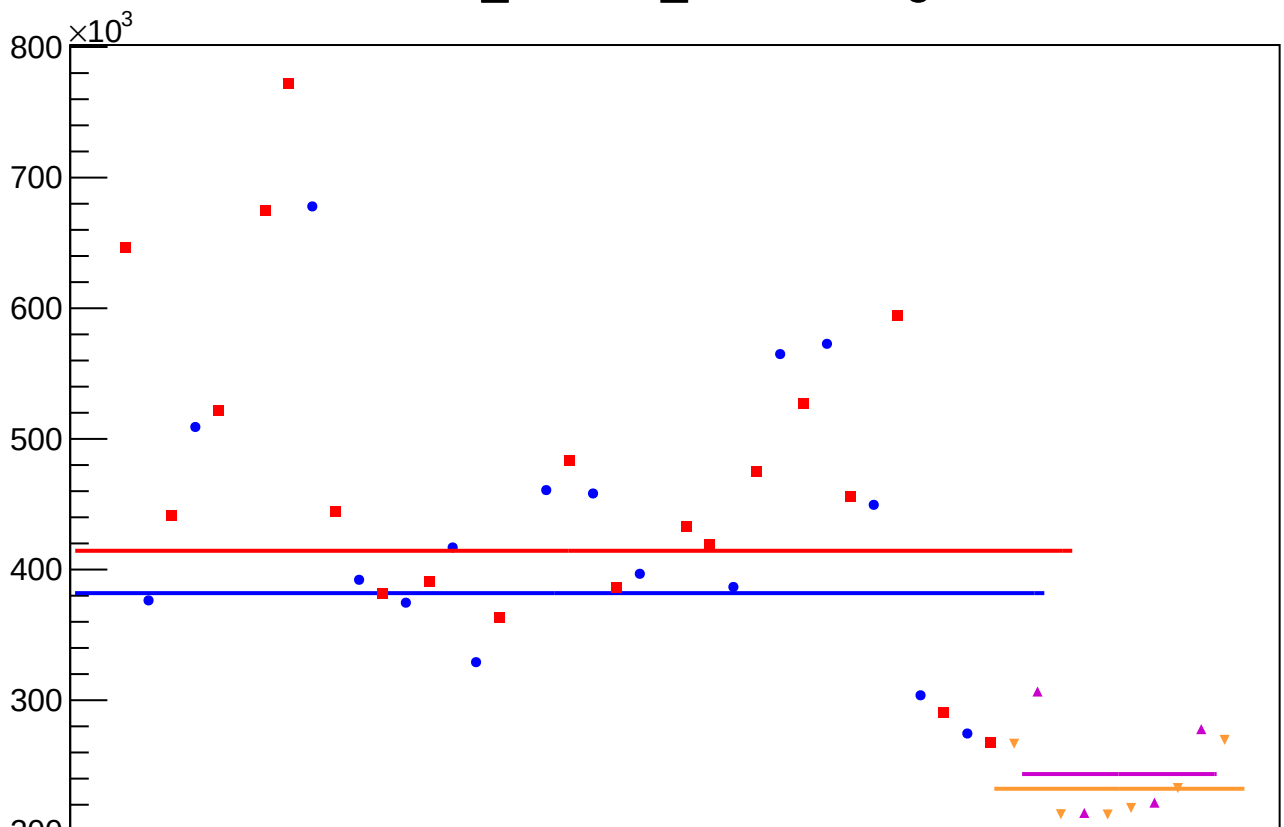
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -50.481+/-131.305 χ^2/NDF:2.3/3

\+ sign -266.156+/-88.346 χ^2/NDF: 38.6/21

All: -211.518+/-66.385 χ^2/NDF: 56.8/44

\- sign -140.656+/-100.612 χ^2/NDF: 17.3/22



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 232235.769+/-78.051 χ^2/NDF:86144.3/5

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

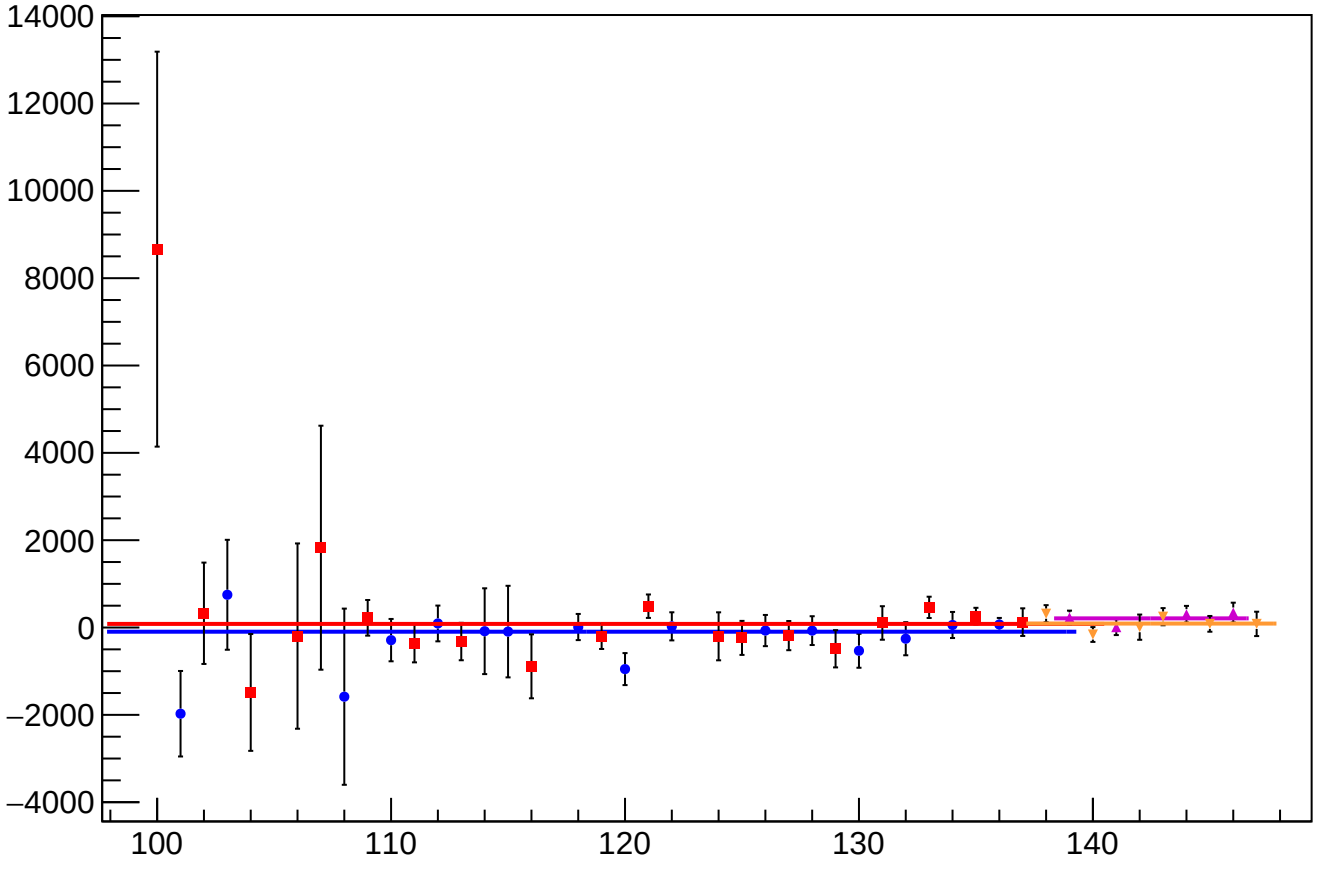
Left In: 243485.527+/-92.846 χ^2/NDF:150720.8/3

+ sign 286033.657+/-62.474 χ^2/NDF: 2244810.9/21

All: 298217.514+/-46.945 χ^2/NDF: 4641273.

- sign 314020.574+/-71.151 χ^2/NDF: 2309096.9/22

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 90.350+/-83.857 χ^2/NDF:4.2/5

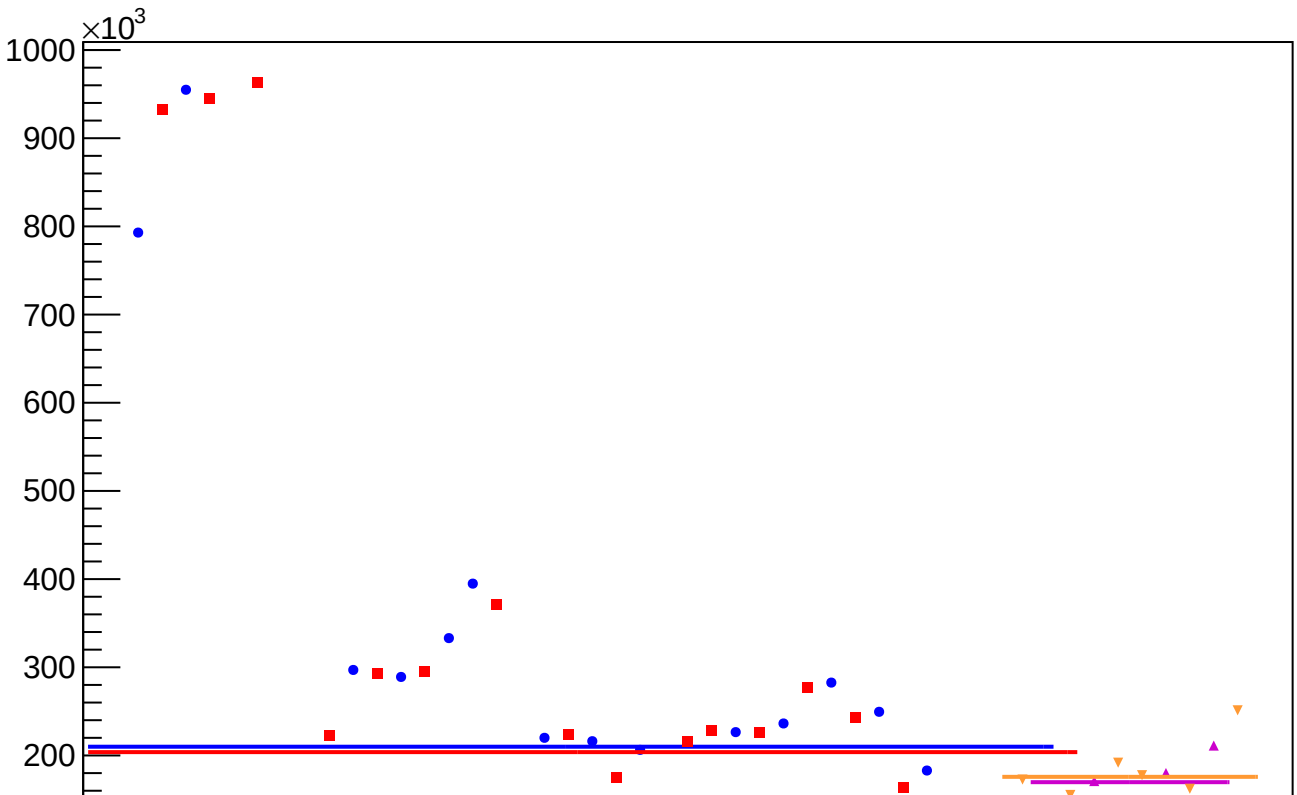
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 209.634+/-91.924 χ^2/NDF:1.8/3

+ sign 2.017+/-60.795 χ^2/NDF: 20.3/21

All: 69.622+/-43.850 χ^2/NDF: 44.8/44

- sign 142.932+/-63.308 χ^2/NDF: 21.9/22



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 175765.001+/-59.296 χ^2/NDF:193549.8/5

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

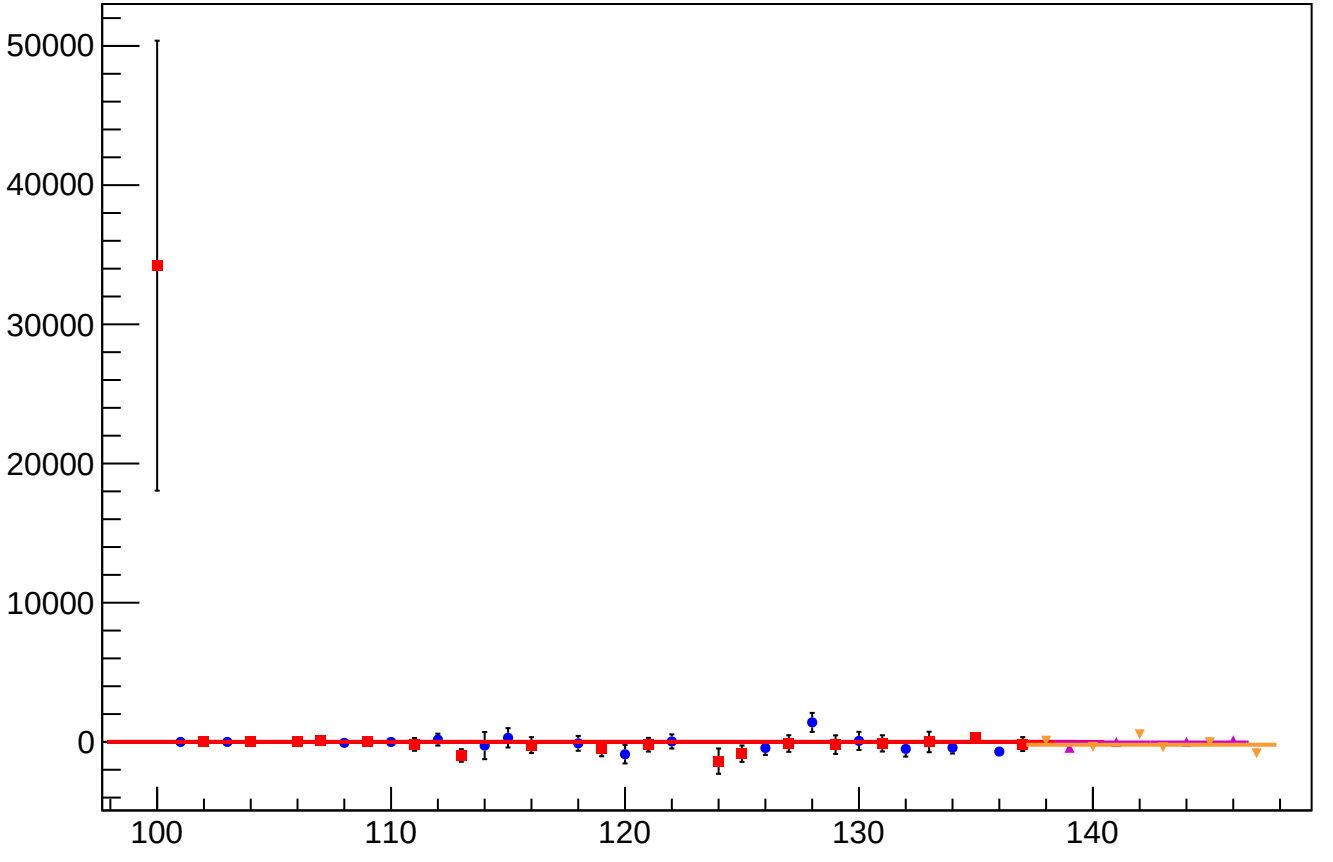
Left In: 169707.879+/-65.000 χ^2/NDF:134971.3/3

+ sign 191942.808+/-43.024 χ^2/NDF: 2310642.2/20

All: 189852.762+/-31.039 χ^2/NDF: 4665232.

- sign 187584.222+/-44.824 χ^2/NDF: 2349668.9/20

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -203.732+/-91.974 χ^2/NDF:17.4/5

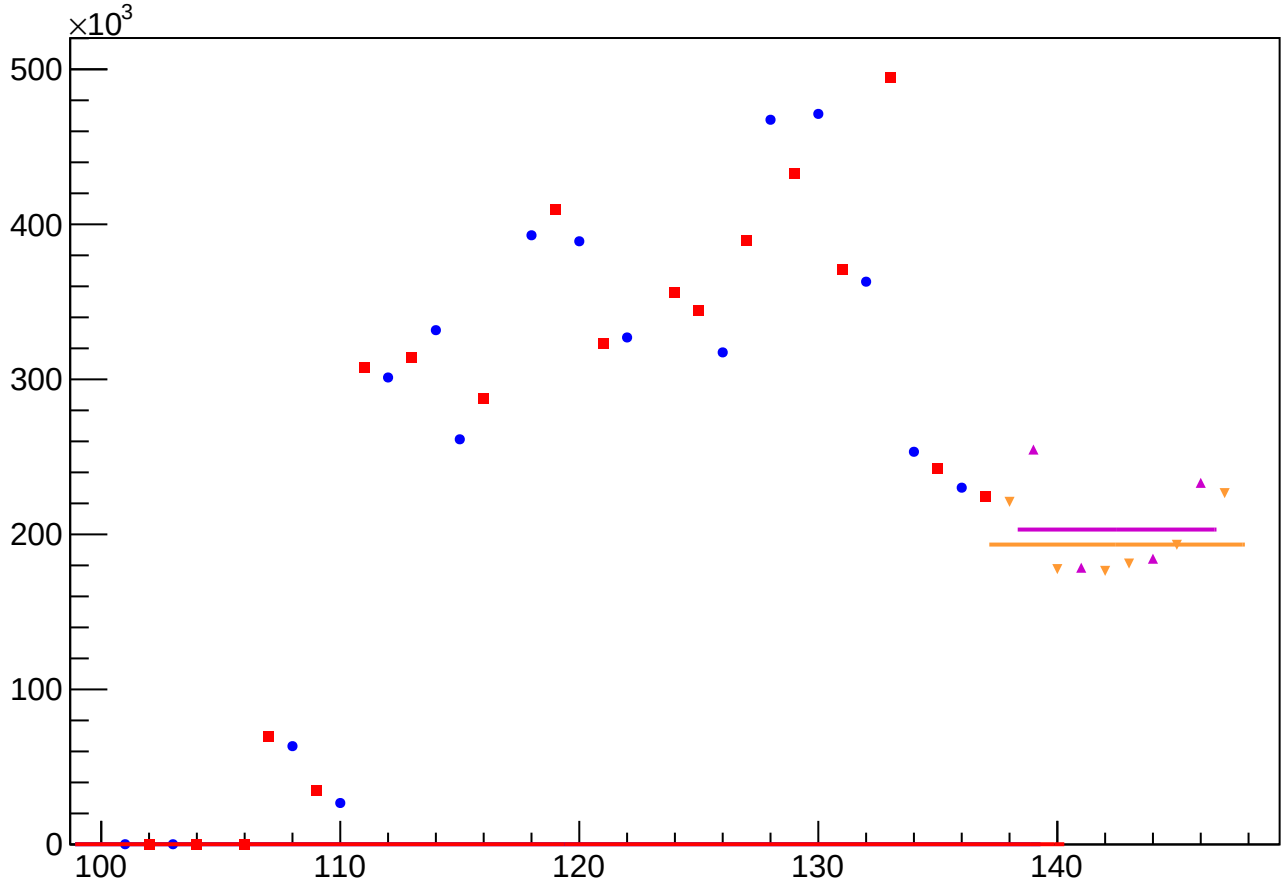
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -43.171+/-109.542 χ^2/NDF:2.3/3

+ sign -0.036+/-0.172 χ^2/NDF: 40.4/21

All: -0.207+/-0.117 χ^2/NDF: 61.2/44

- sign -0.355+/-0.160 χ^2/NDF: 19.0/22



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193437.146+/-65.036 χ^2/NDF:87867.7/5

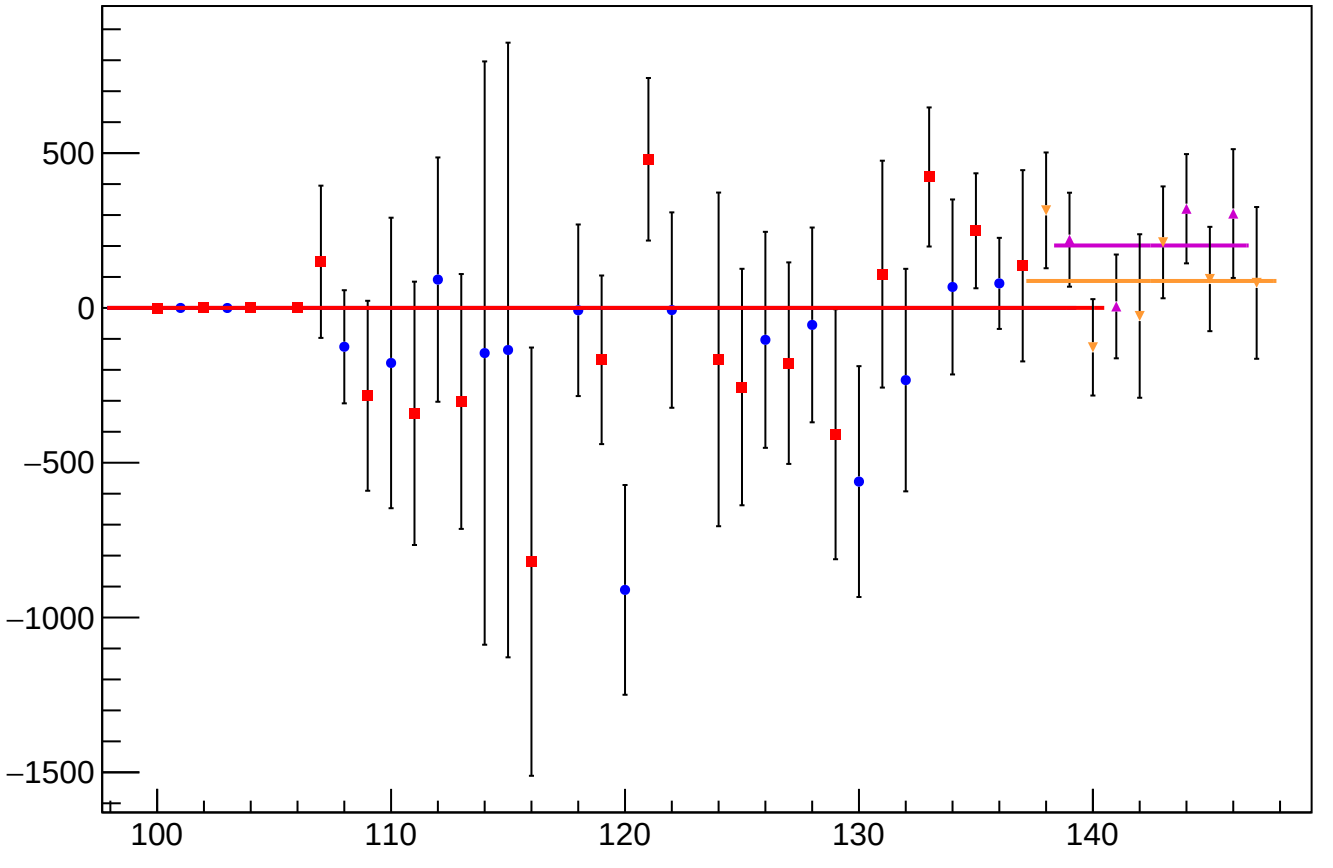
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 203117.931+/-77.458 χ^2/NDF:151337.8/3

+ sign 149.770+/-0.122 χ^2/NDF: 20222773.0/21

All: 149.793+/-0.083 χ^2/NDF: 38529218.3/43

- sign 149.812+/-0.113 χ^2/NDF: 18306445.3/21



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.069+/-77.450 χ^2/NDF:4.0/5

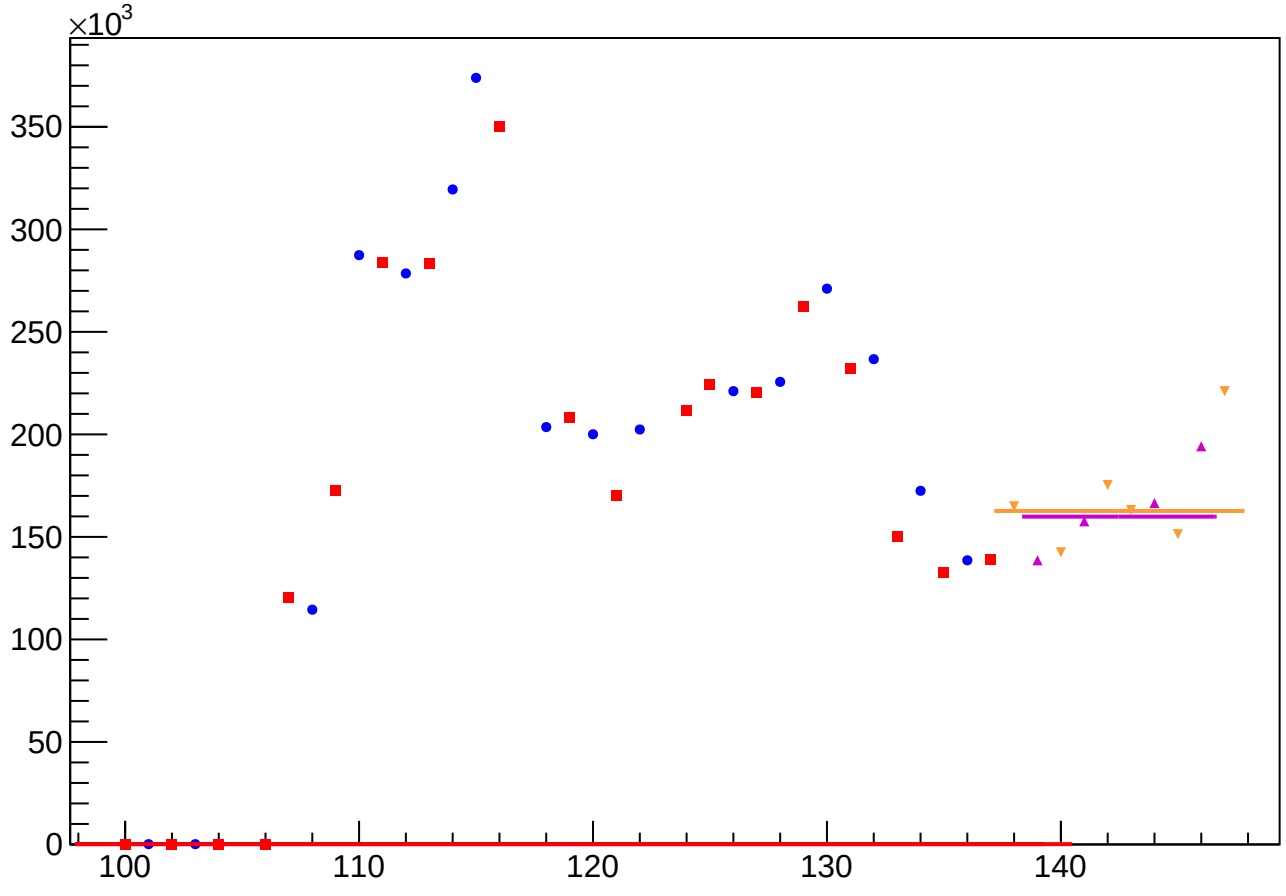
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 201.682+/-86.313 χ^2/NDF:2.1/3

+ sign -0.068+/-0.177 χ^2/NDF: 16.5/21

All: 0.036+/-0.121 χ^2/NDF: 39.9/44

- sign 0.127+/-0.166 χ^2/NDF: 22.8/22



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 162657.828+/-54.766 χ^2/NDF:161135.4/5

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

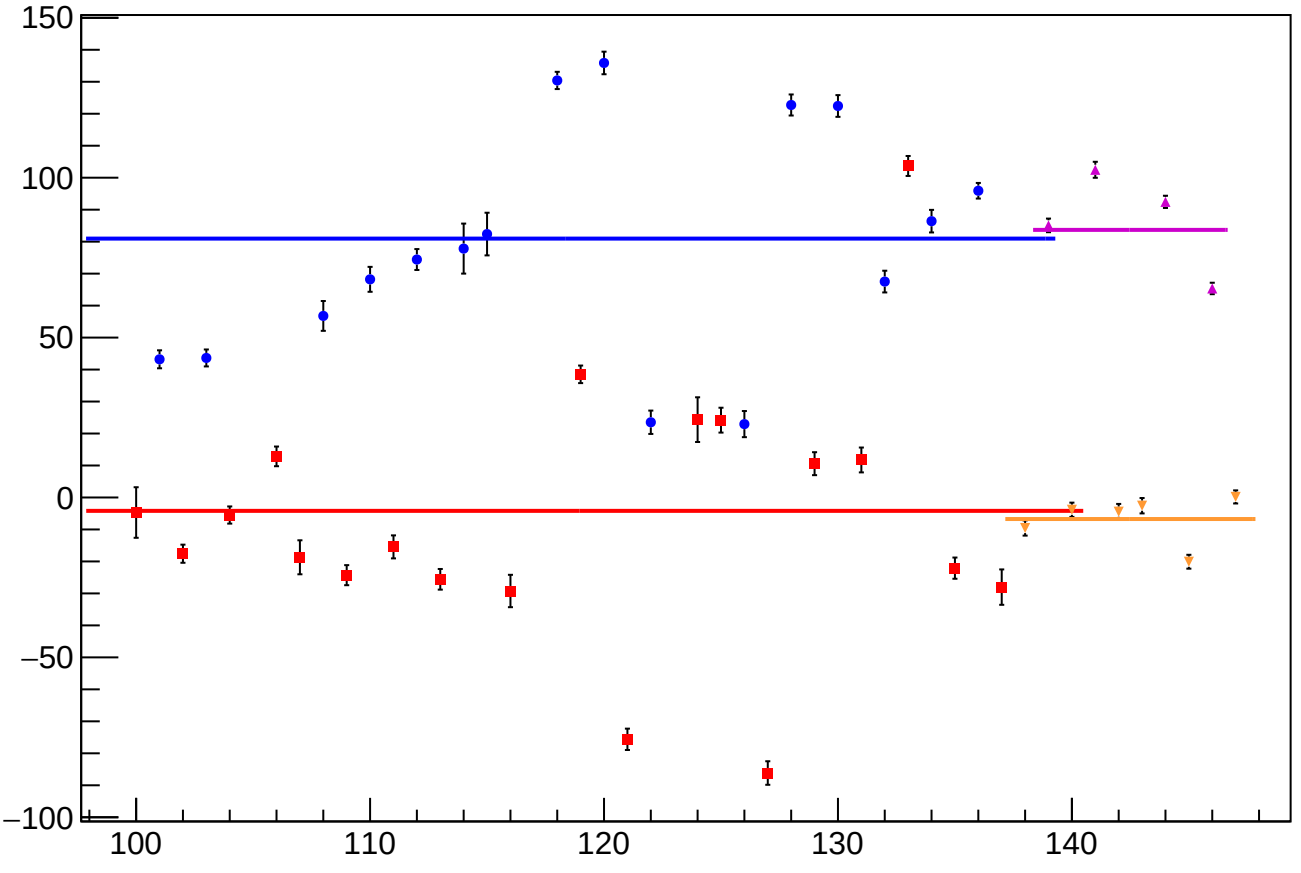
Left In: 159888.986+/-61.032 χ^2/NDF:97006.6/3

+ sign 154.311+/-0.125 χ^2/NDF: 20870715.4/21

All: 155.608+/-0.086 χ^2/NDF: 39148422.9/44

- sign 156.752+/-0.118 χ^2/NDF: 18277506.0/22

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.736+/-0.924 χ^2/NDF:56.3/5

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

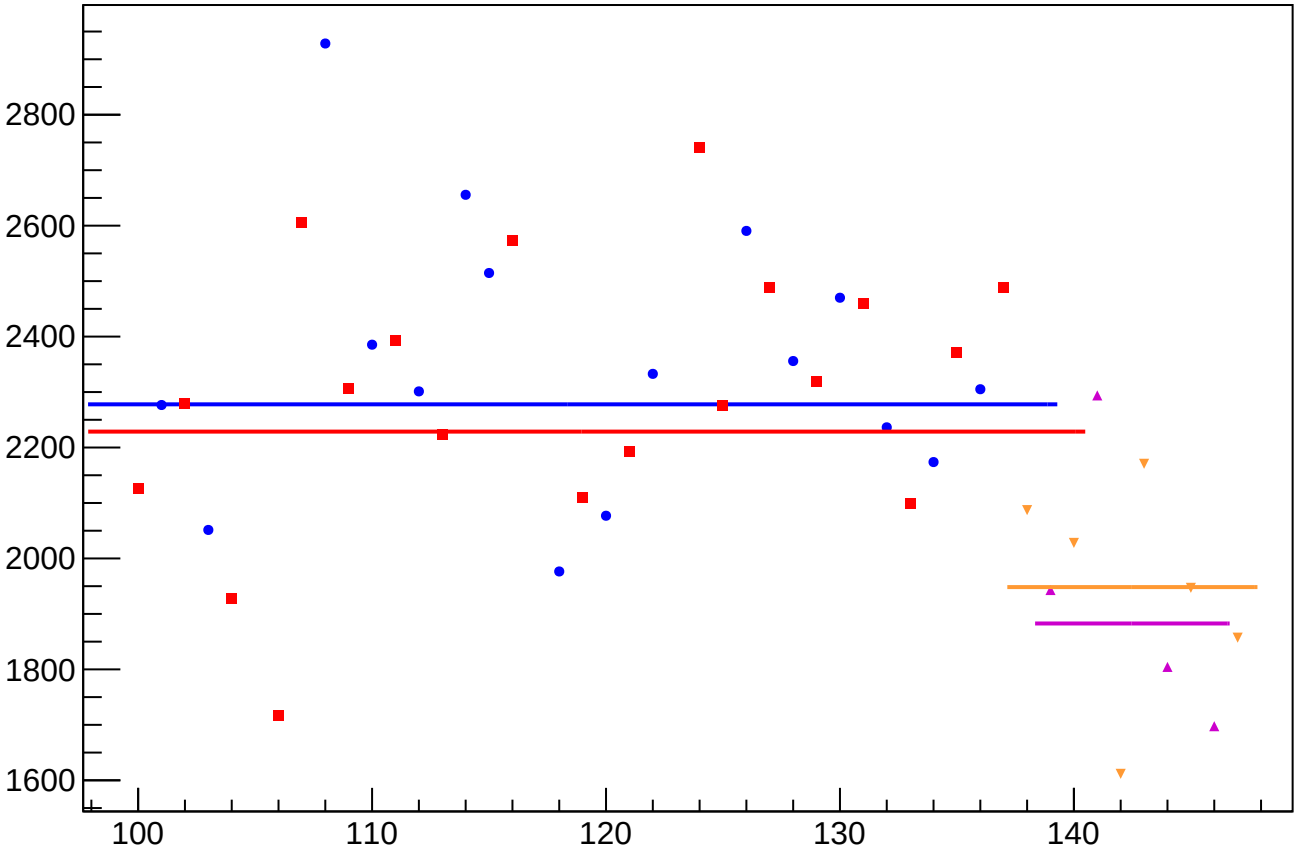
Left In: 83.681+/-1.018 χ^2/NDF:182.4/3

+ sign 40.672+/-0.626 χ^2/NDF: 6742.7/21

All: 35.640+/-0.447 χ^2/NDF: 14295.0/44

- sign 30.403+/-0.639 χ^2/NDF: 7420.4/22

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1948.357+/-0.653 χ^2/NDF:68883.2/5

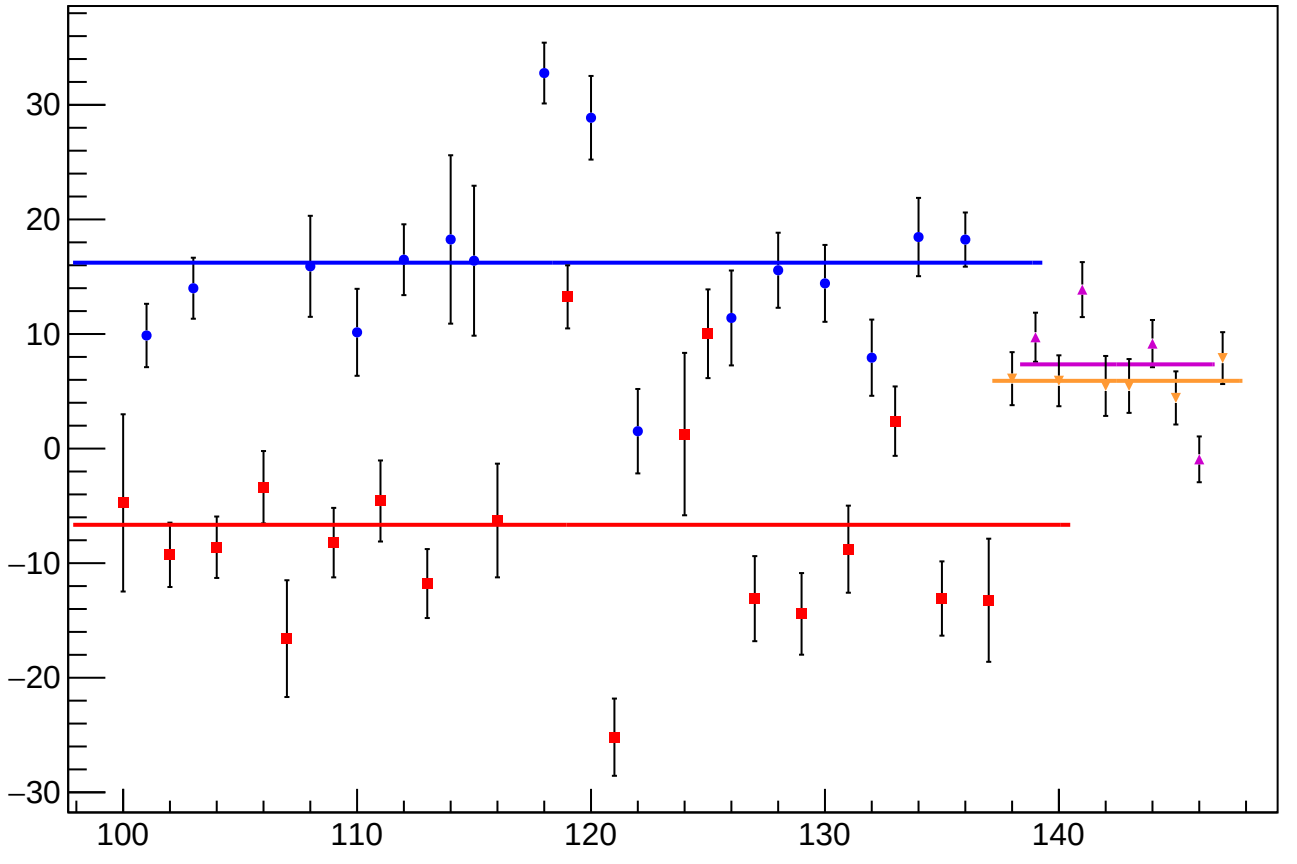
Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1882.751+/-0.720 χ^2/NDF:80406.7/3

+ sign 2126.499+/-0.443 χ^2/NDF: 322252.6/21

All: 2109.846+/-0.316 χ^2/NDF: 696762.0/44

- sign 2092.518+/-0.452 χ^2/NDF: 371621.7/22



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.914+/-0.954 χ^2/NDF:1.3/5

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

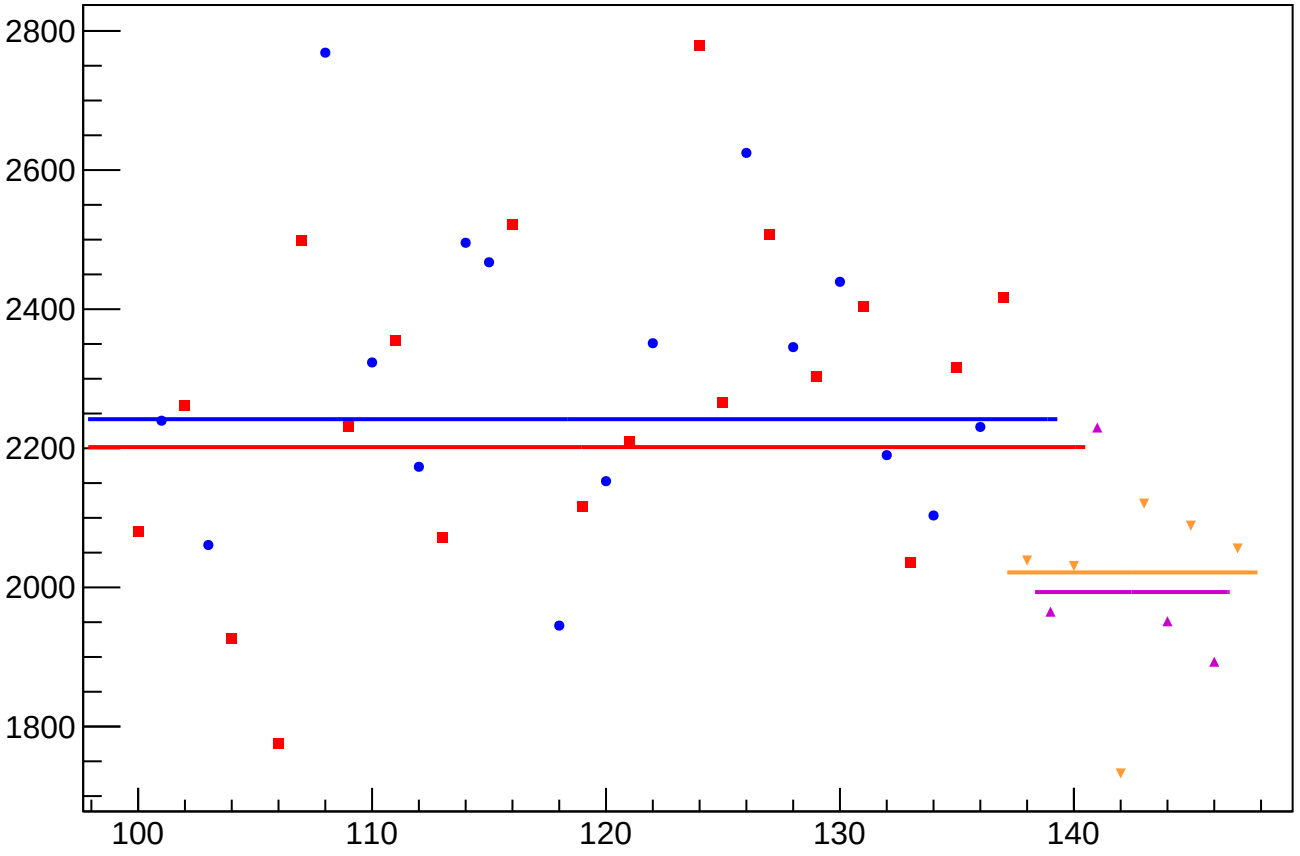
Left In: 7.351+/-1.068 χ^2/NDF:26.6/3

+ sign 11.739+/-0.630 χ^2/NDF: 151.7/21

All: 5.259+/-0.451 χ^2/NDF: 639.3/44

- sign -1.542+/-0.645 χ^2/NDF: 270.4/22

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2021.522+/-0.675 χ^2/NDF:30243.0/5

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

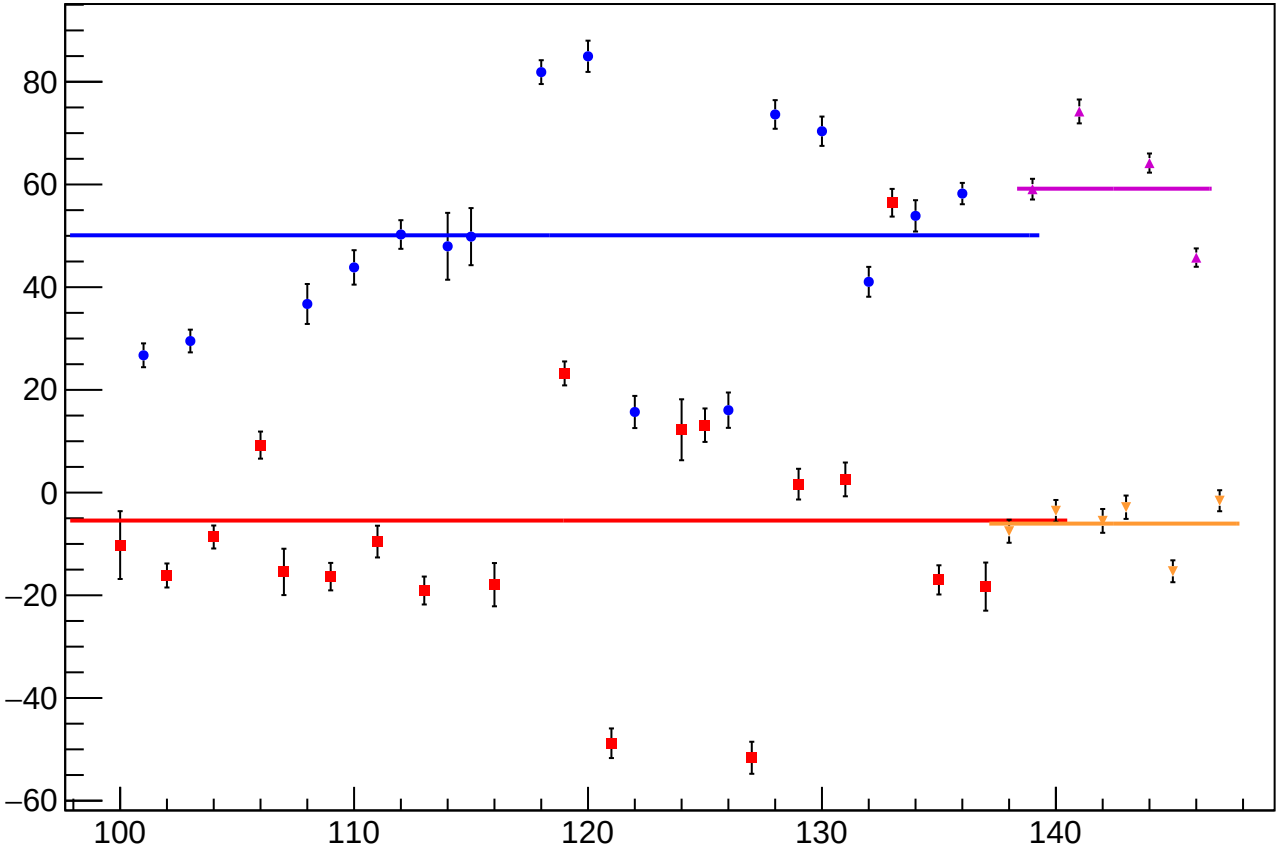
Left In: 1993.342+/-0.755 χ^2/NDF:25631.8/3

+ sign 2145.990+/-0.445 χ^2/NDF: 192715.0/21

All: 2136.088+/-0.319 χ^2/NDF: 397634.2/44

- sign 2125.696+/-0.456 χ^2/NDF: 203905.0/22

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -6.040+/-0.890 χ^2/NDF:27.5/5

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

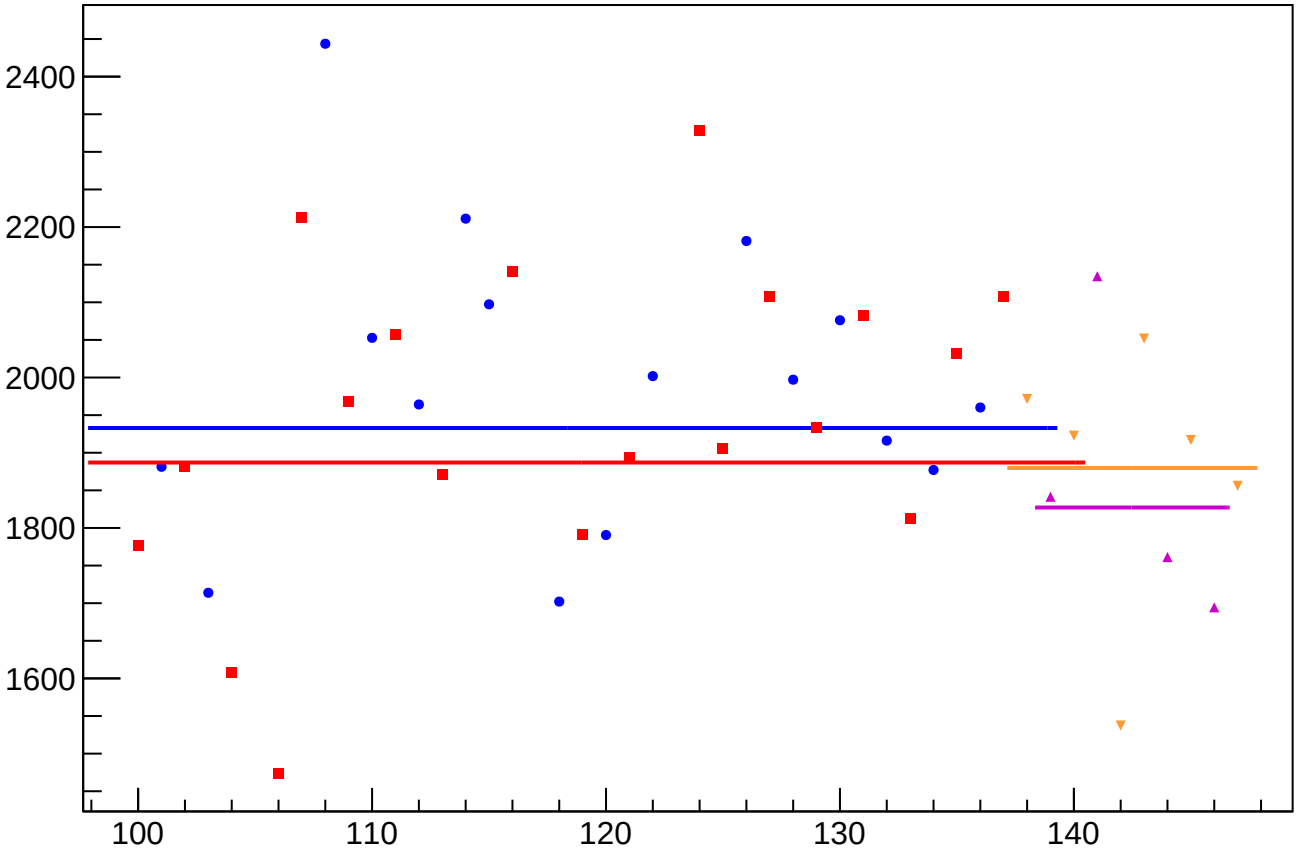
Left In: 59.179+/-0.985 χ^2/NDF:105.3/3

+ sign 27.822+/-0.561 χ^2/NDF: 3314.8/21

All: 21.988+/-0.399 χ^2/NDF: 7827.6/44

- sign 16.015+/-0.567 χ^2/NDF: 4293.8/22

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1879.764+/-0.630 χ^2/NDF:60123.8/5

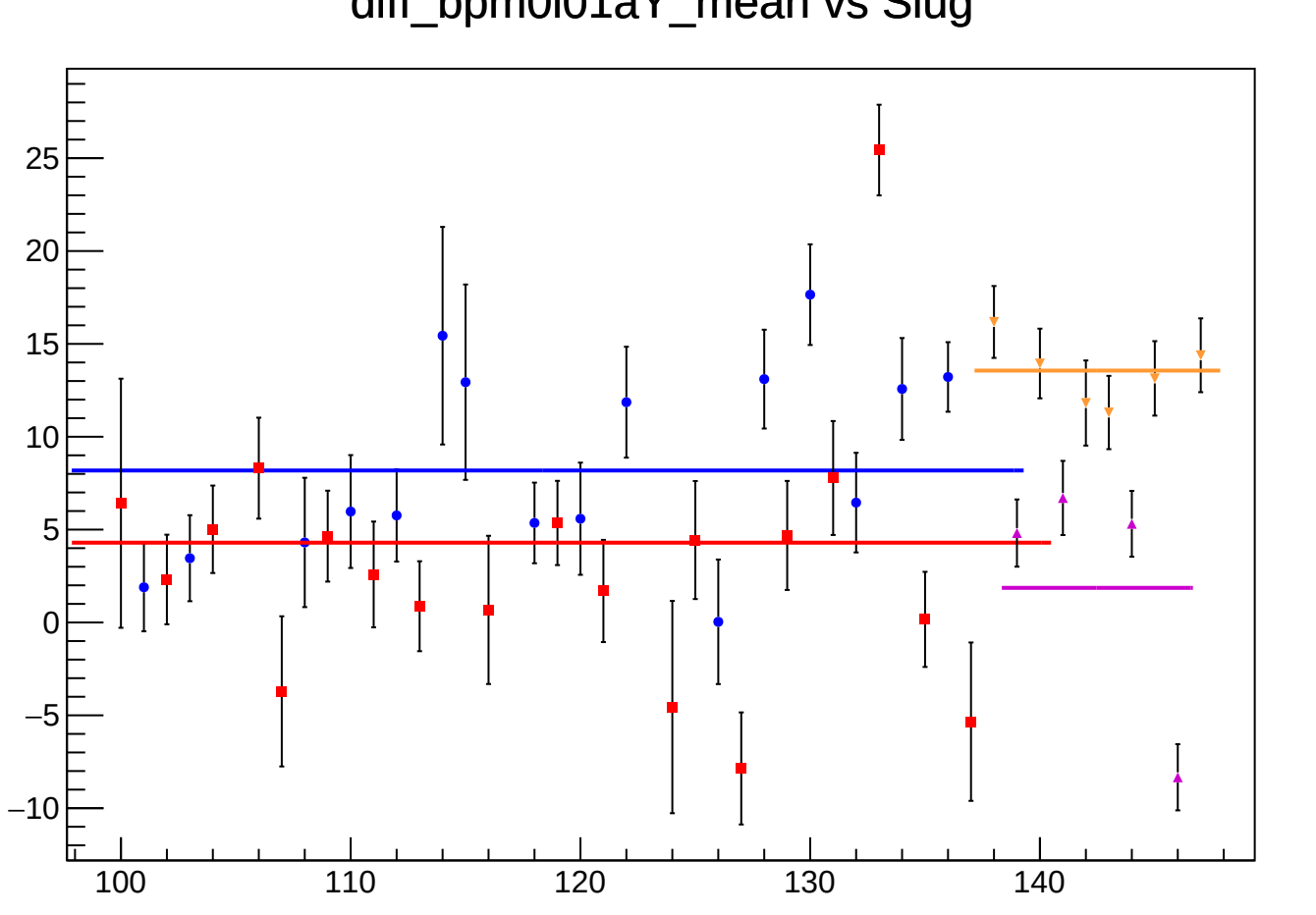
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1827.180+/-0.696 χ^2/NDF:48575.1/3

+ sign 1911.816+/-0.397 χ^2/NDF: 170389.4/21

All: 1889.739+/-0.282 χ^2/NDF: 379913.8/44

- sign 1867.140+/-0.401 χ^2/NDF: 203252.8/22



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.562+/-0.816 χ^2/NDF:4.0/5

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

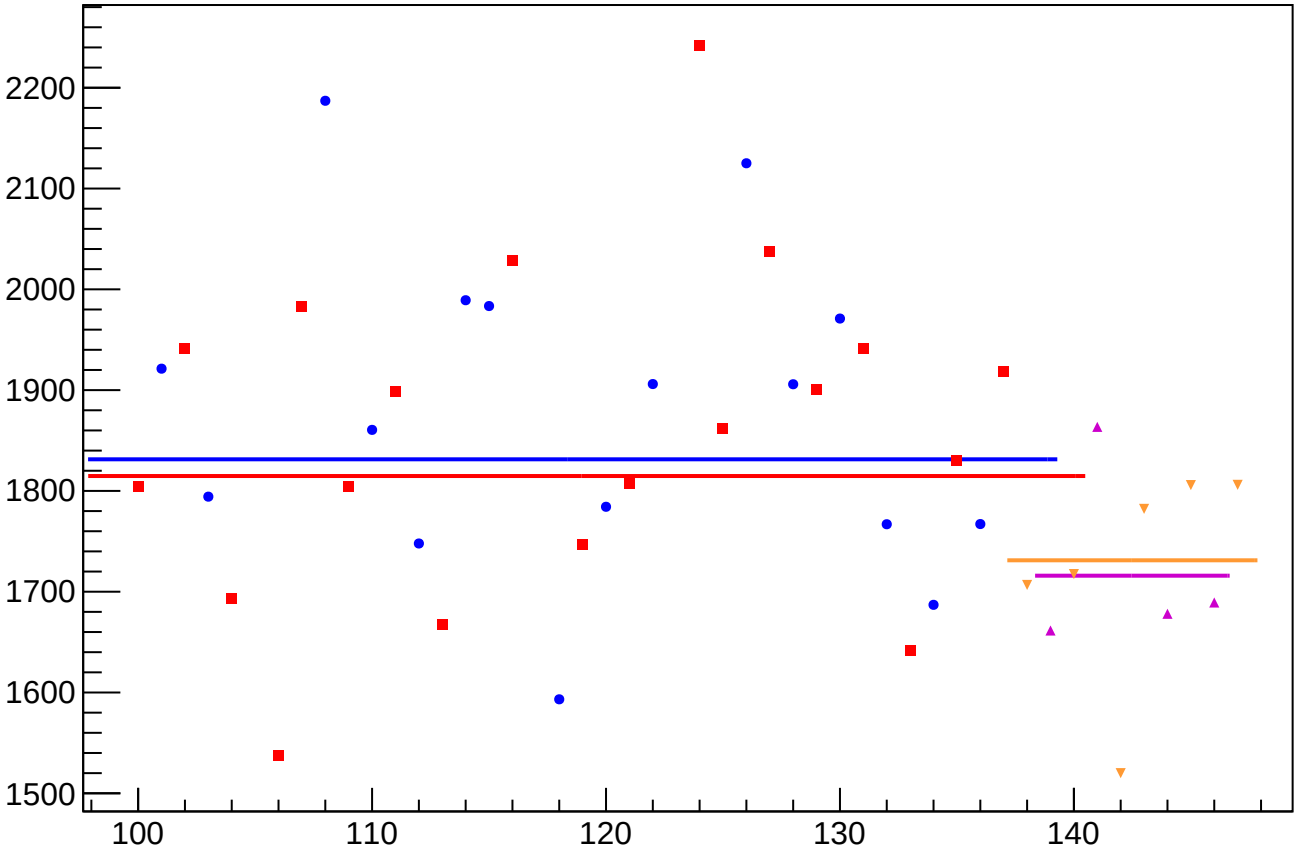
Left In: 1.864+/-0.917 χ^2/NDF:45.1/3

+ sign 10.400+/-0.524 χ^2/NDF: 81.4/21

All: 7.023+/-0.376 χ^2/NDF: 330.5/44

- sign 3.457+/-0.539 χ^2/NDF: 163.7/22

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1731.160+/-0.577 χ^2/NDF:24354.0/5

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

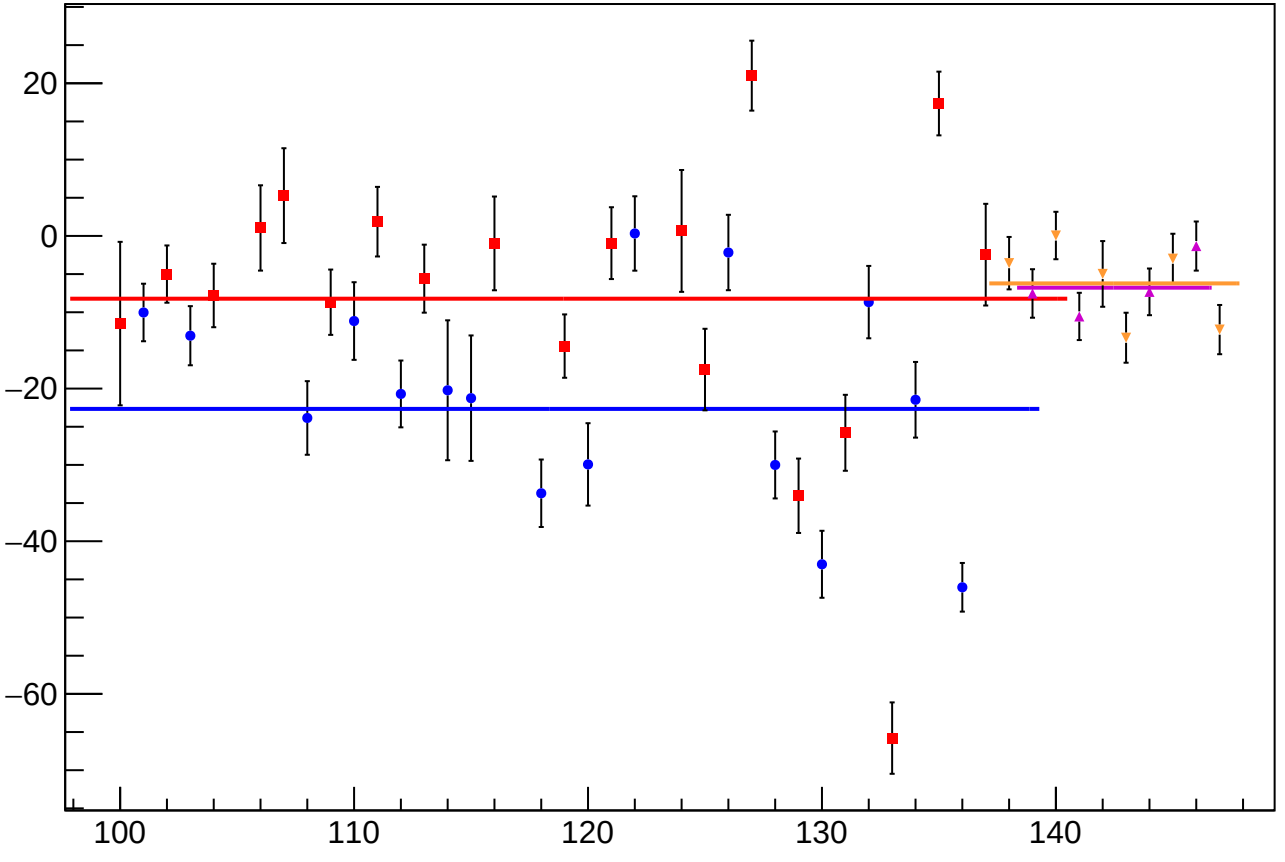
Left In: 1715.896+/-0.648 χ^2/NDF:14097.6/3

+ sign 1790.064+/-0.371 χ^2/NDF: 128984.1/21

All: 1785.485+/-0.266 χ^2/NDF: 249372.4/44

- sign 1780.651+/-0.381 χ^2/NDF: 120074.5/22

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.221+/-1.380 χ^2/NDF:14.0/5

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

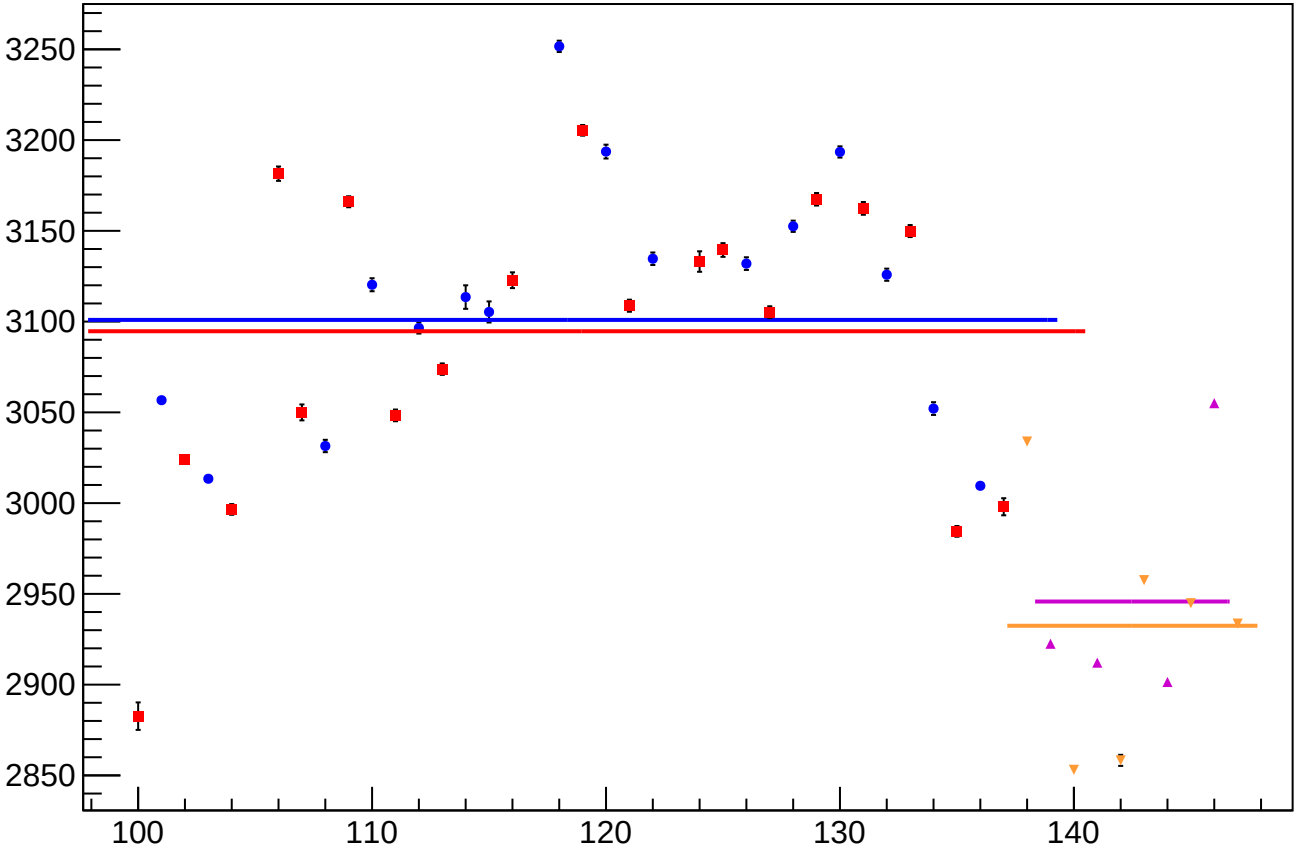
Left In: -6.780+/-1.568 χ^2/NDF:4.4/3

+ sign -15.909+/-0.884 χ^2/NDF: 254.8/21

All: -11.964+/-0.636 χ^2/NDF: 595.9/44

- sign -7.731+/-0.916 χ^2/NDF: 299.8/22

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2932.440+/-0.976 χ^2/NDF:3791.5/5

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

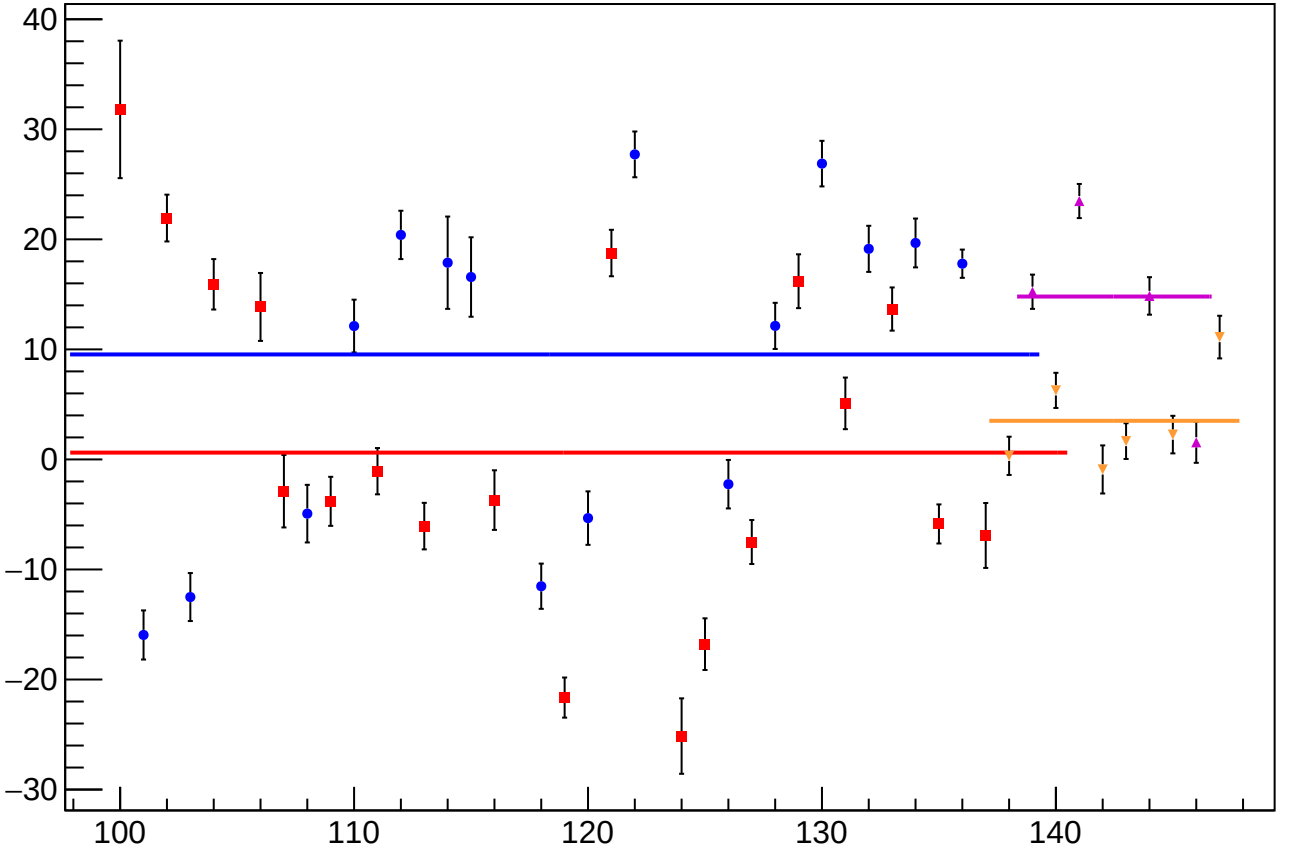
Left In: 2945.789+/-1.108 χ^2/NDF:3070.8/3

+ sign 3031.728+/-0.625 χ^2/NDF: 29262.9/21

All: 3037.573+/-0.450 χ^2/NDF: 52982.1/44

- sign 3043.845+/-0.648 χ^2/NDF: 23538.1/22

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 3.509+/-0.721 χ^2/NDF:27.7/5

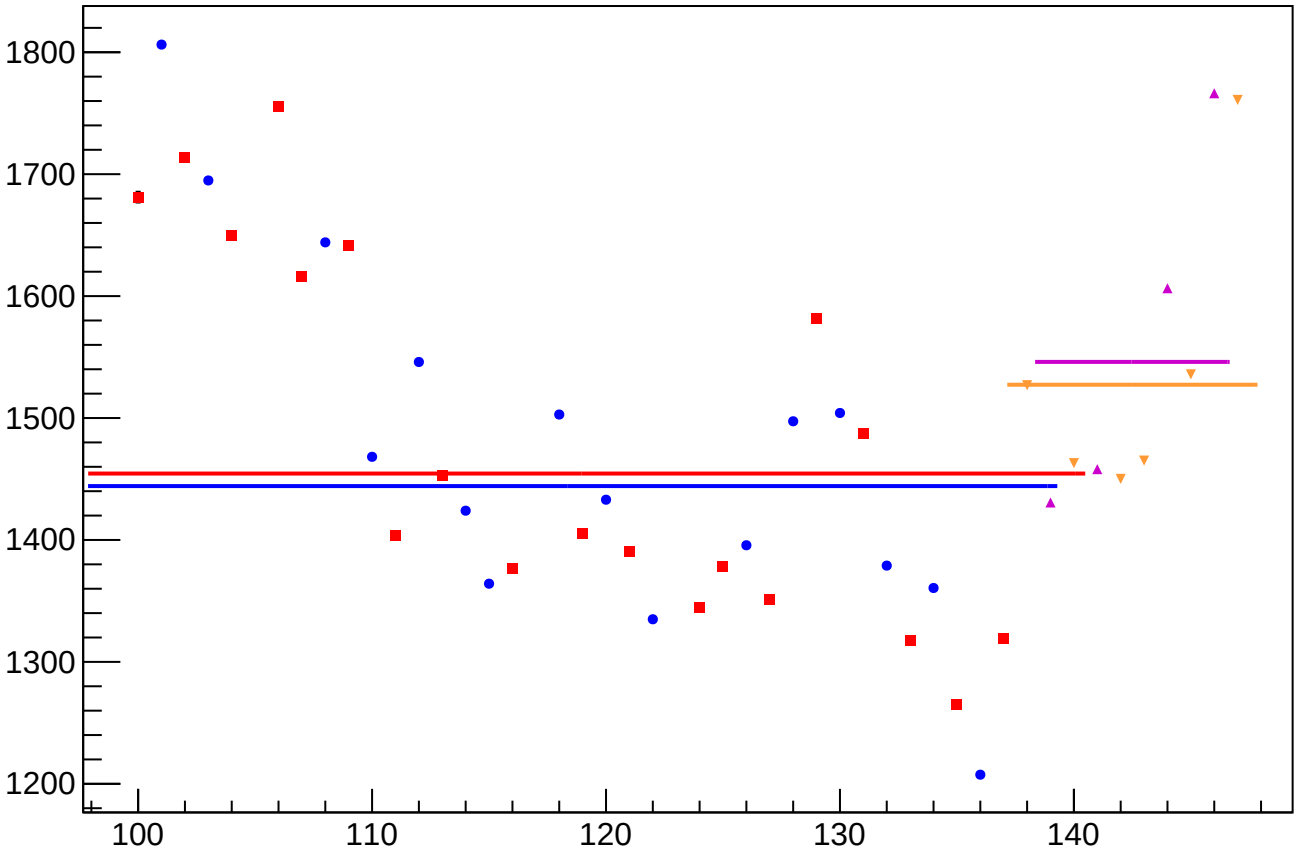
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 14.802+/-0.828 χ^2/NDF:81.8/3

+ sign 7.368+/-0.433 χ^2/NDF: 771.1/21

All: 6.125+/-0.312 χ^2/NDF: 1743.1/44

- sign 4.789+/-0.449 χ^2/NDF: 954.9/22



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1527.307+/-0.510 χ^2/NDF:37778.0/5

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

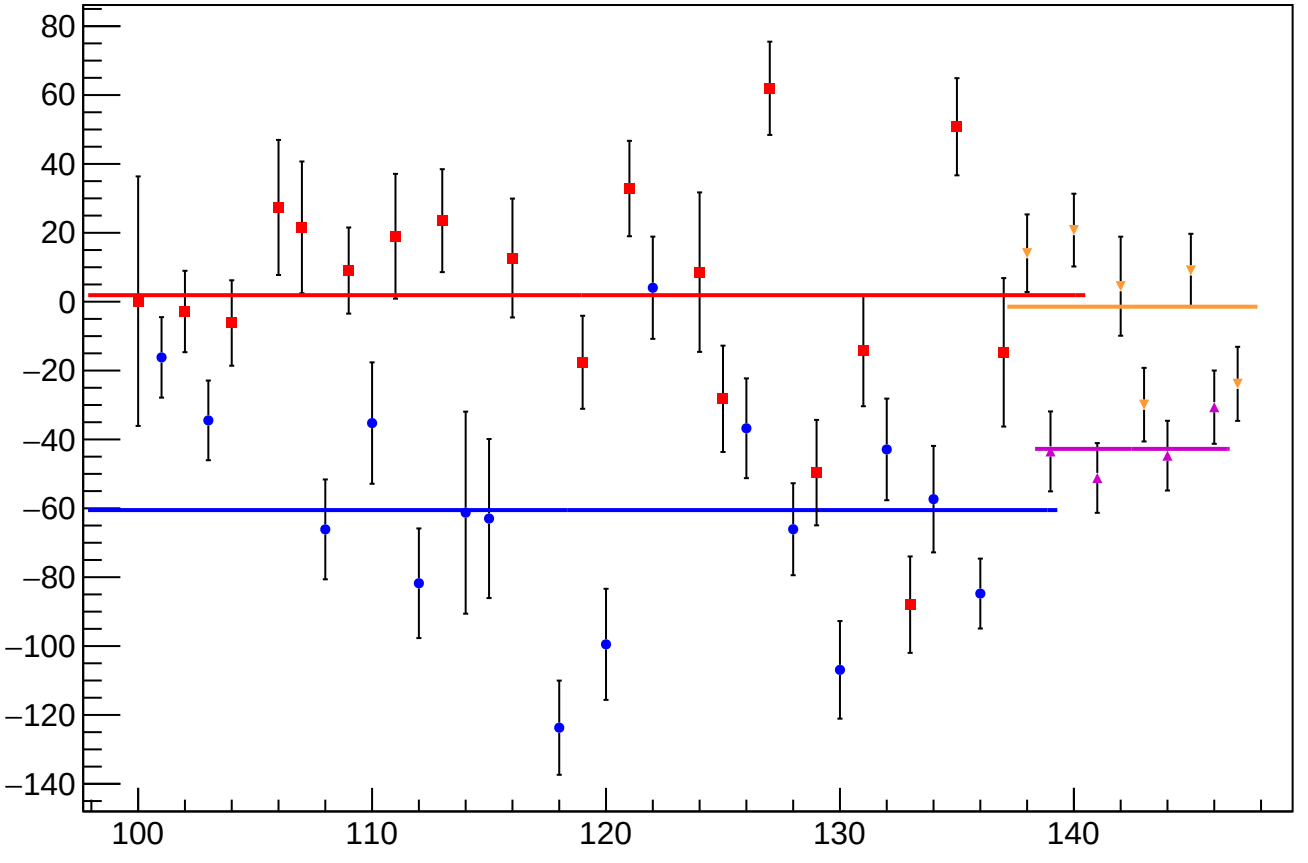
Left In: 1546.040+/-0.585 χ^2/NDF:47805.3/3

+ sign 1474.128+/-0.306 χ^2/NDF: 234912.2/21

All: 1477.630+/-0.220 χ^2/NDF: 443045.8/44

- sign 1481.393+/-0.317 χ^2/NDF: 207862.1/22

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -1.451+/-4.569 χ^2/NDF:18.9/5

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

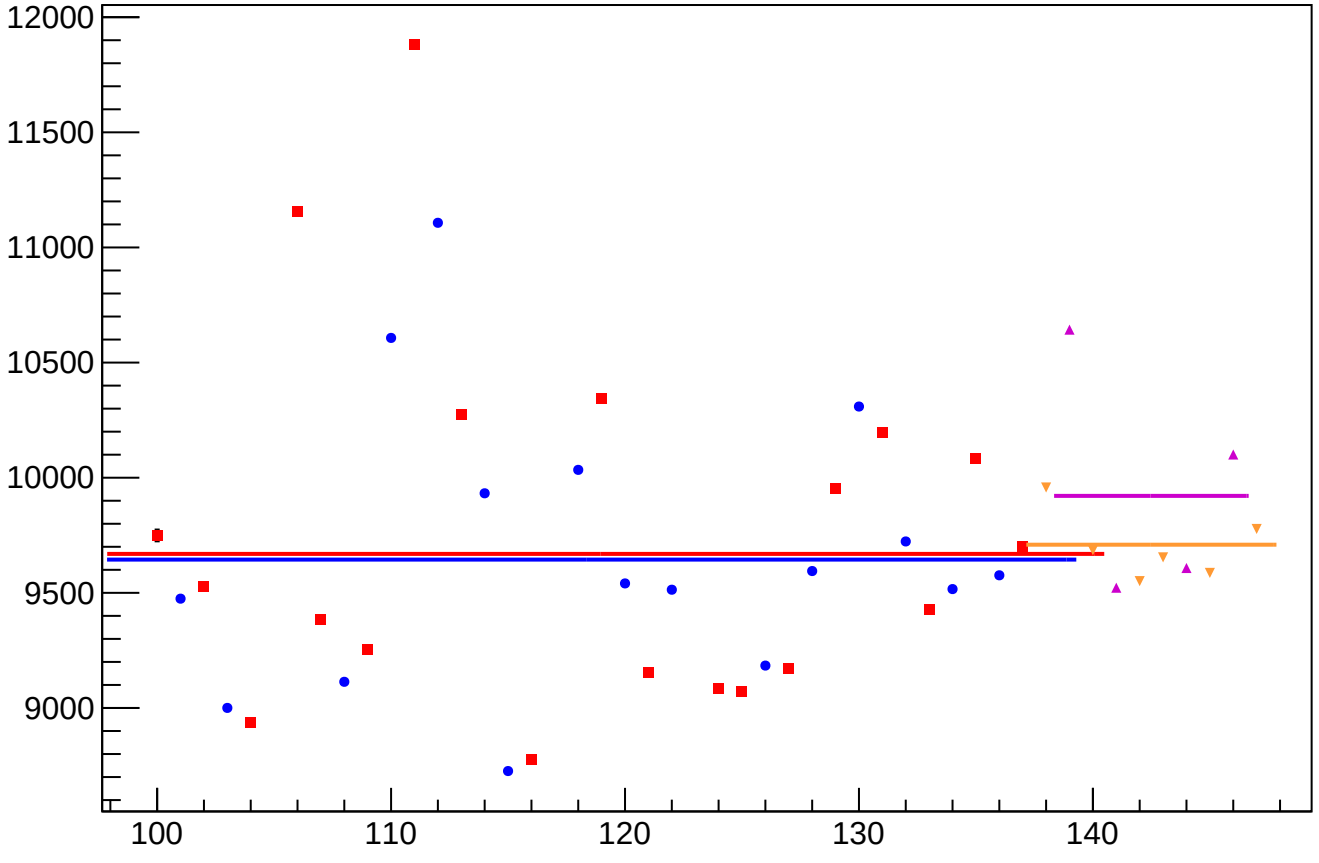
Left In: -42.740+/-5.287 χ^2/NDF:2.0/3

+ sign -37.921+/-2.826 χ^2/NDF: 212.4/21

All: -25.457+/-2.038 χ^2/NDF: 408.1/44

- sign -11.938+/-2.943 χ^2/NDF: 155.1/22

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9709.101+/-3.231 χ^2/NDF:1623.1/5

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

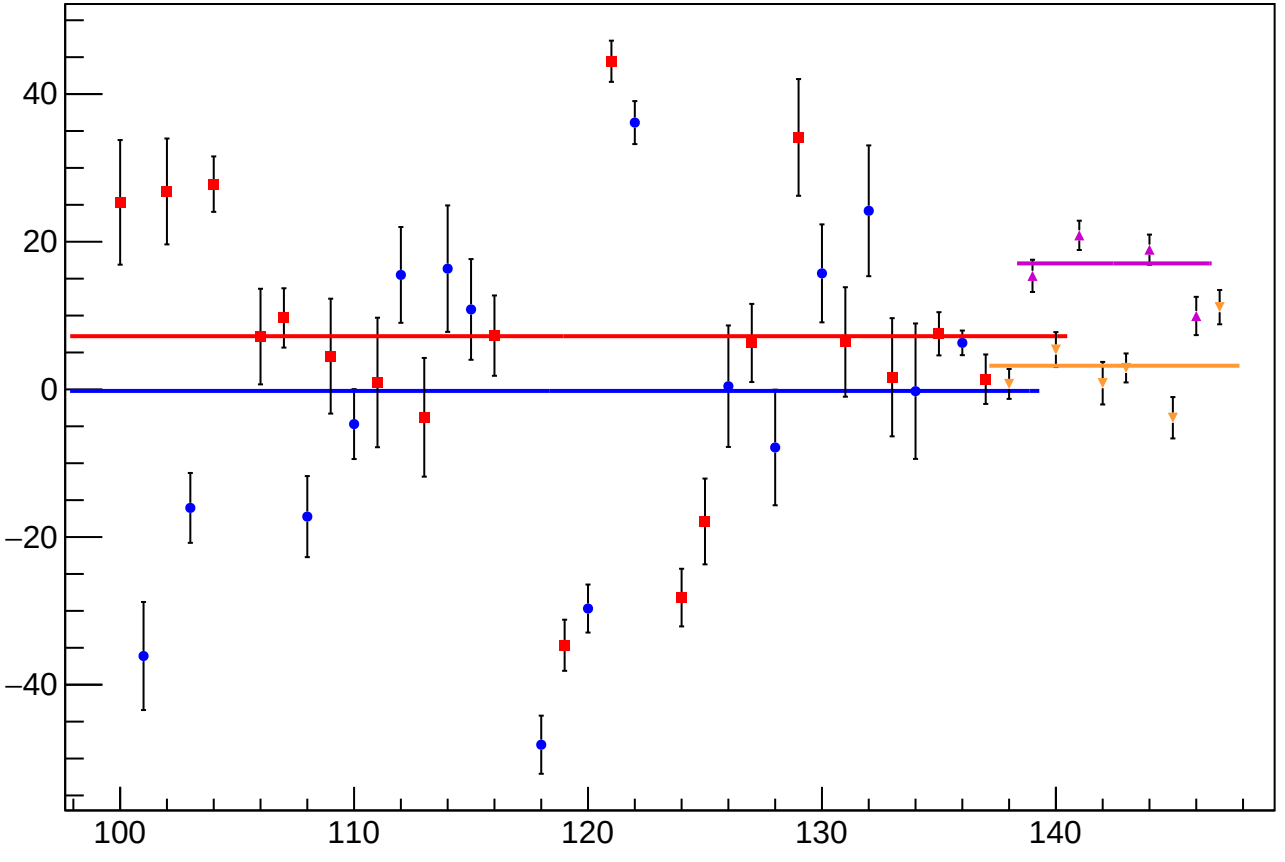
Left In: 9921.130+/-3.738 χ^2/NDF:13326.7/3

+ sign 9669.149+/-1.998 χ^2/NDF: 45972.4/21

All: 9706.602+/-1.441 χ^2/NDF: 143045.3/44

- sign 9747.228+/-2.081 χ^2/NDF: 96340.5/22

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 3.205+/-0.947 χ^2/NDF:21.0/5

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

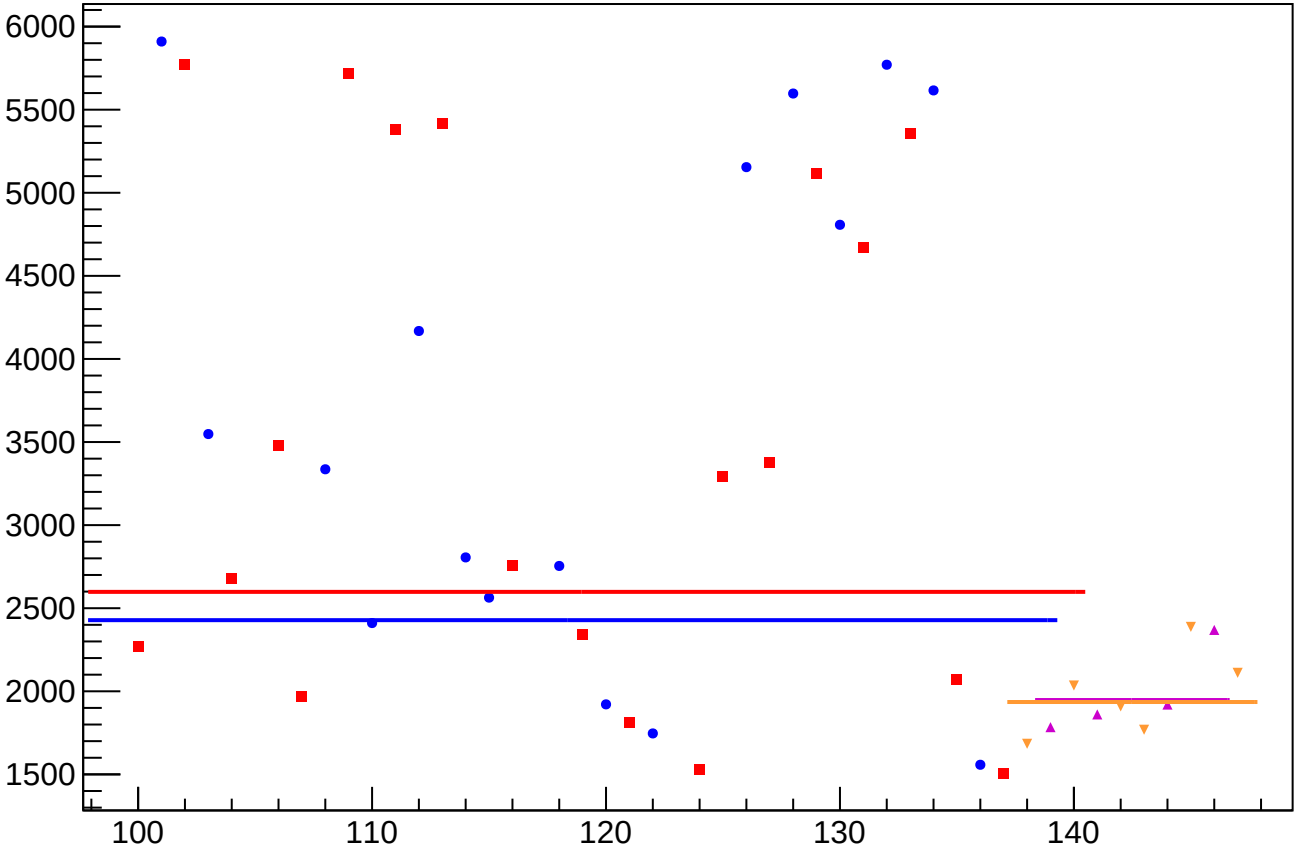
Left In: 17.067+/-1.083 χ^2/NDF:12.7/3

+ sign 1.668+/-0.702 χ^2/NDF: 500.6/21

All: 6.451+/-0.516 χ^2/NDF: 1142.0/44

- sign 12.096+/-0.762 χ^2/NDF: 540.1/22

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1935.561+/-0.670 χ^2/NDF:112496.5/5

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

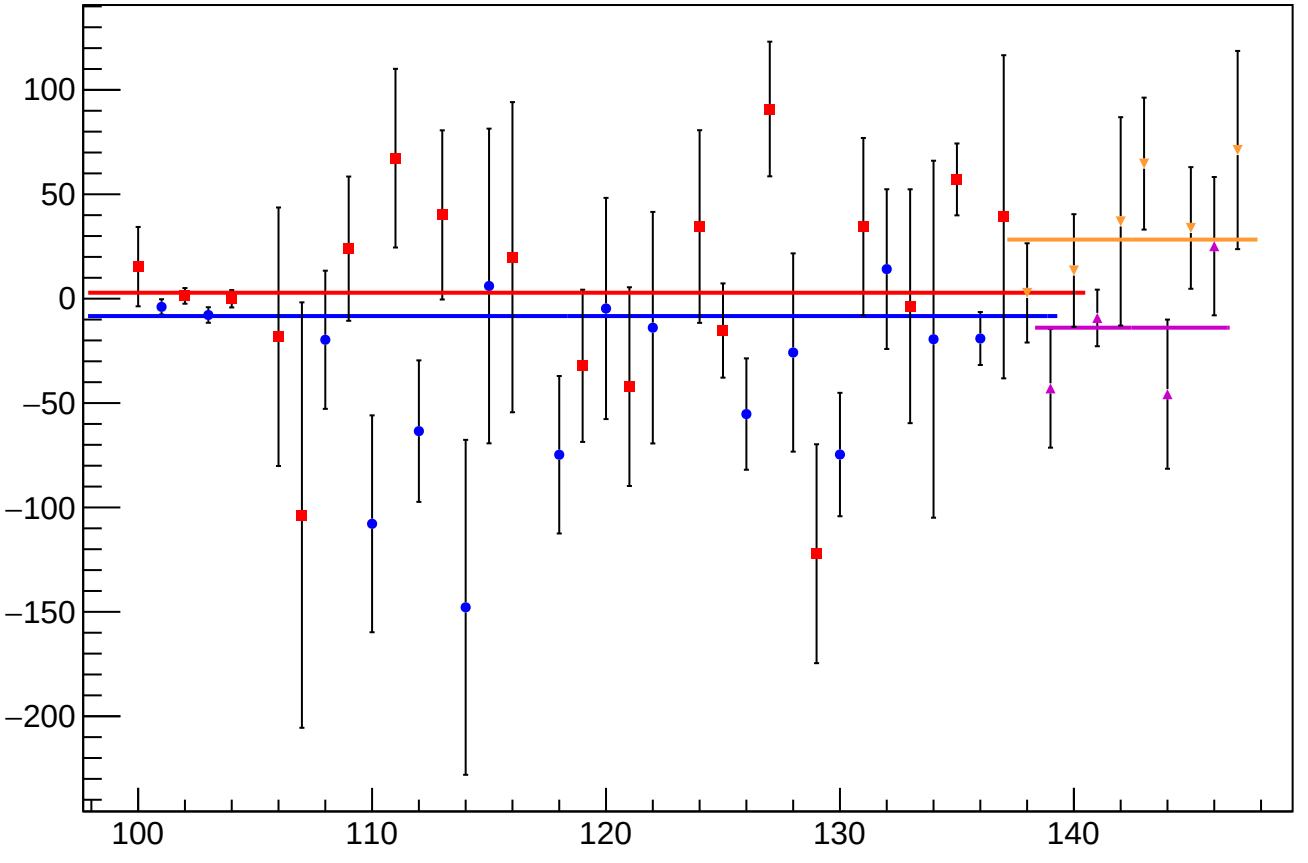
Left In: 1947.456+/-0.765 χ^2/NDF:68330.6/3

+ sign 2157.543+/-0.496 χ^2/NDF: 3171699.1/21

All: 2211.693+/-0.365 χ^2/NDF: 6145392.1/44

- sign 2275.583+/-0.539 χ^2/NDF: 2947737.1/22

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 28.295+/-12.731 χ^2/NDF:3.7/5

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

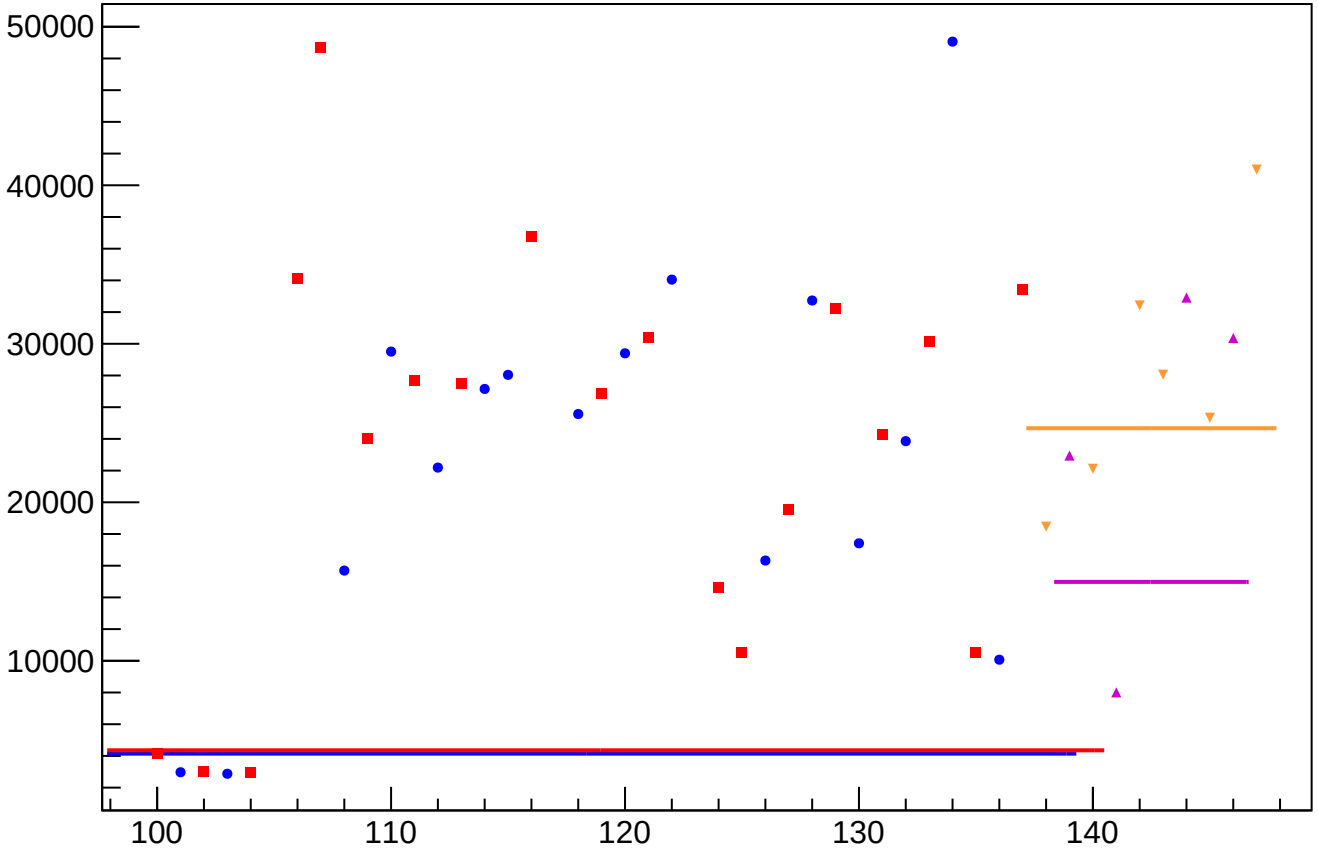
Left In: -13.898+/-10.923 χ^2/NDF:3.3/3

+ sign -6.973+/-2.453 χ^2/NDF: 35.1/21

All: -2.725+/-1.773 χ^2/NDF: 79.5/44

- sign 1.924+/-2.566 χ^2/NDF: 38.2/22

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24674.376+/-9.002 χ^2/NDF:463056.3/5

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

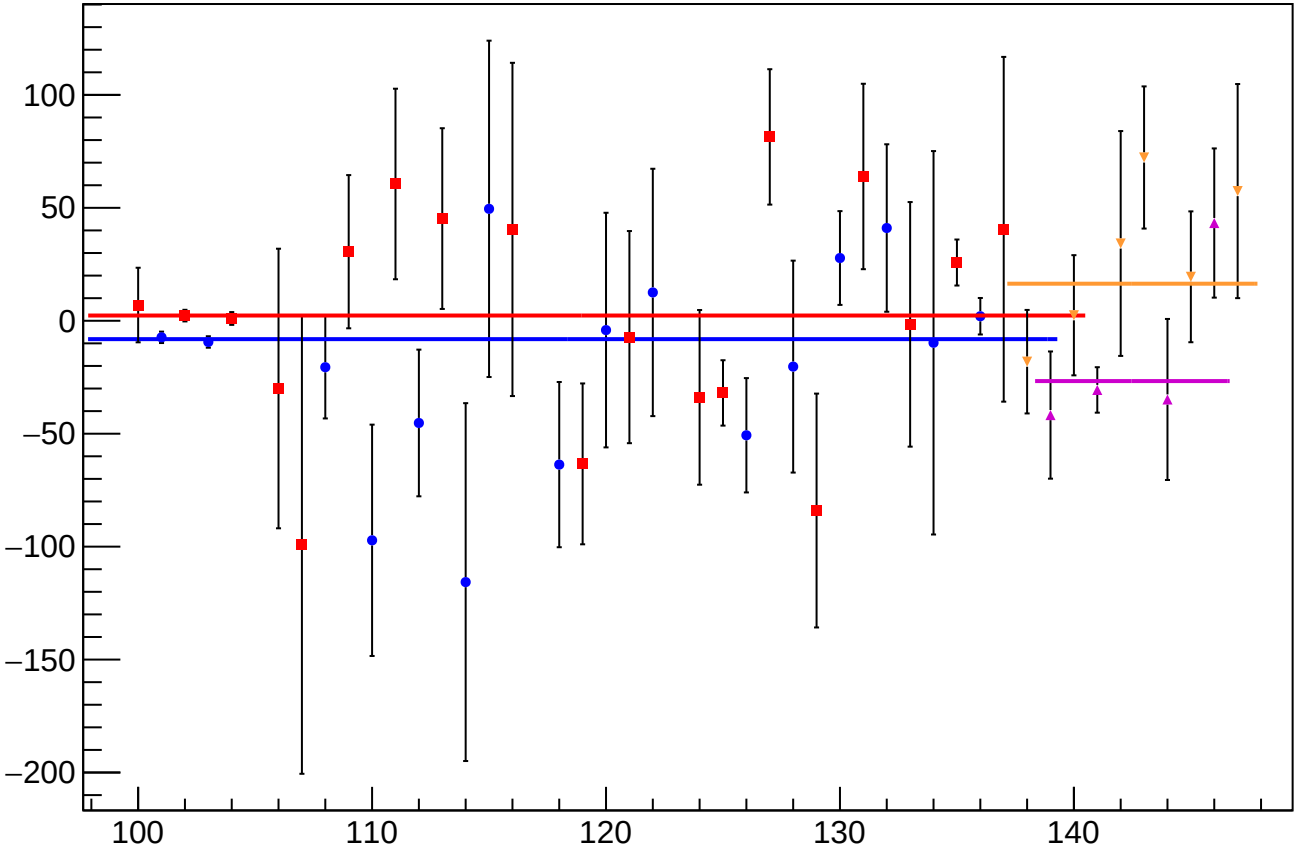
Left In: 14978.646+/-7.724 χ^2/NDF:1621803.0/3

+ sign 4907.671+/-1.734 χ^2/NDF: 12307395.3/21

All: 4923.398+/-1.254 χ^2/NDF: 23341802.0/4

- sign 4940.609+/-1.814 χ^2/NDF: 11034234.5/22

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 16.412+/-12.532 χ^2/NDF:6.6/5

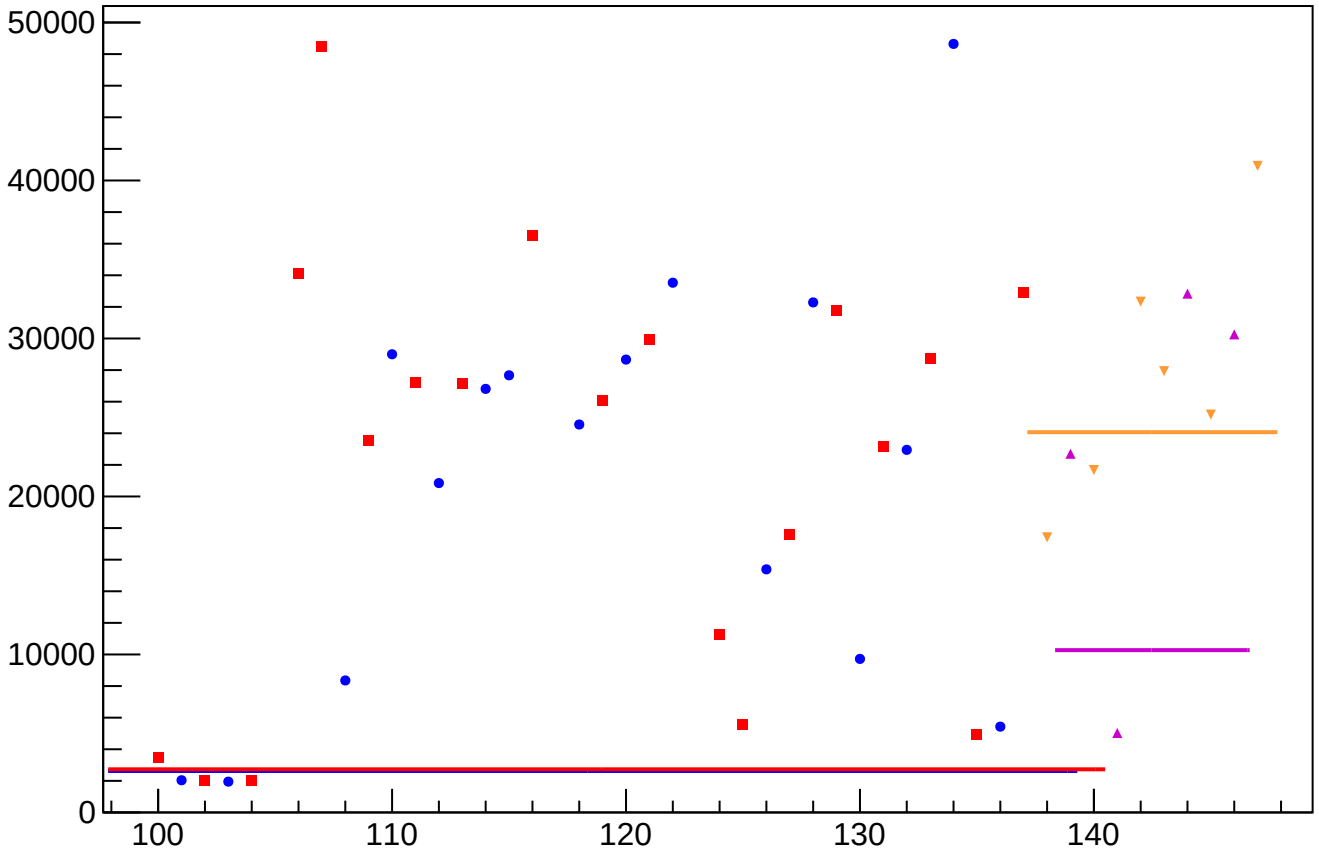
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -26.699+/-8.826 χ^2/NDF:5.0/3

+ sign -7.678+/-1.704 χ^2/NDF: 29.5/21

All: -3.471+/-1.232 χ^2/NDF: 90.6/44

- sign 1.139+/-1.784 χ^2/NDF: 48.4/22



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24068.279+/-8.861 χ^2/NDF:526062.5/5

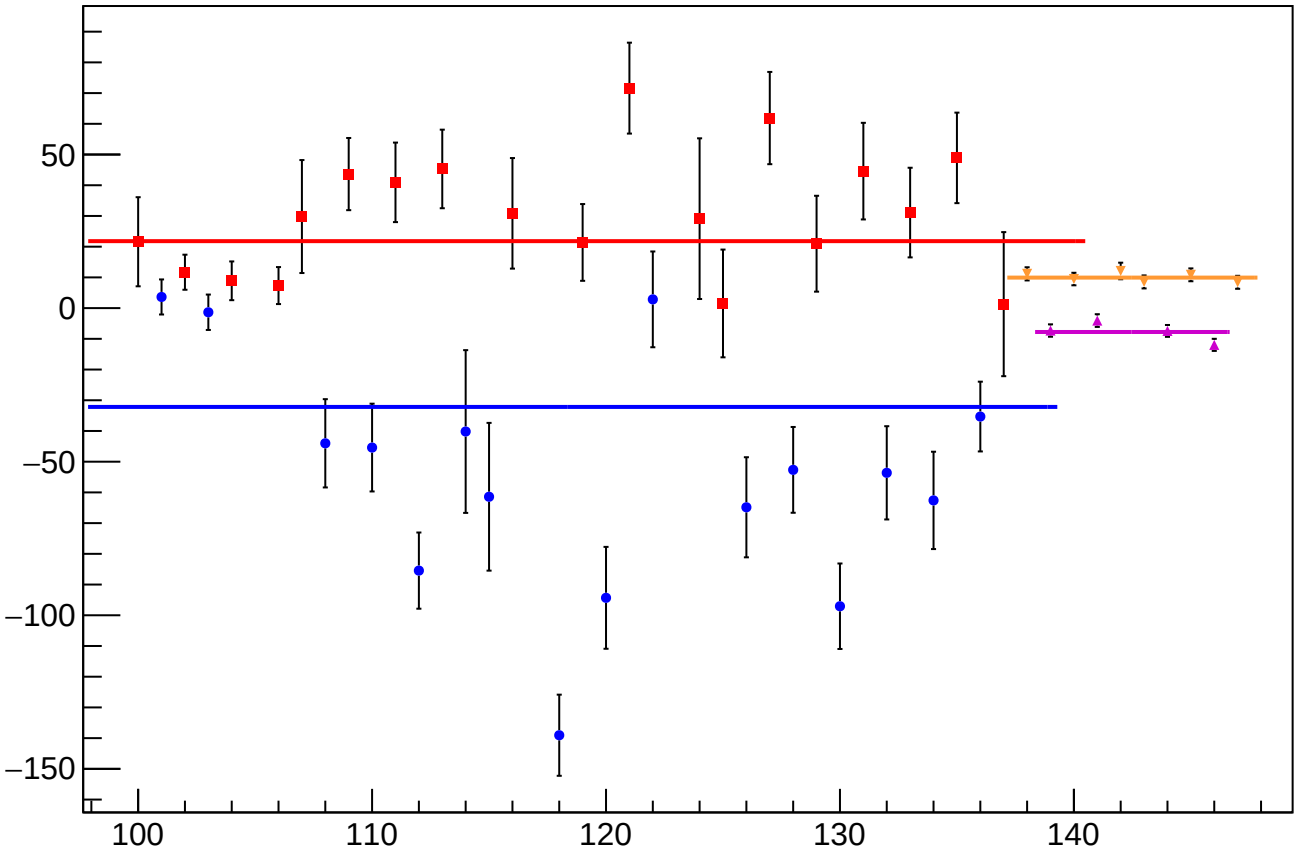
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 10273.585+/-6.241 χ^2/NDF:2466165.2/3

\+ sign 3023.061+/-1.205 χ^2/NDF: 13053736.7/21

All: 3030.413+/-0.871 χ^2/NDF: 24907289.5/4

\- sign 3038.468+/-1.262 χ^2/NDF: 11853474.8/22



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 9.932+/-0.888 χ^2/NDF:2.2/5

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

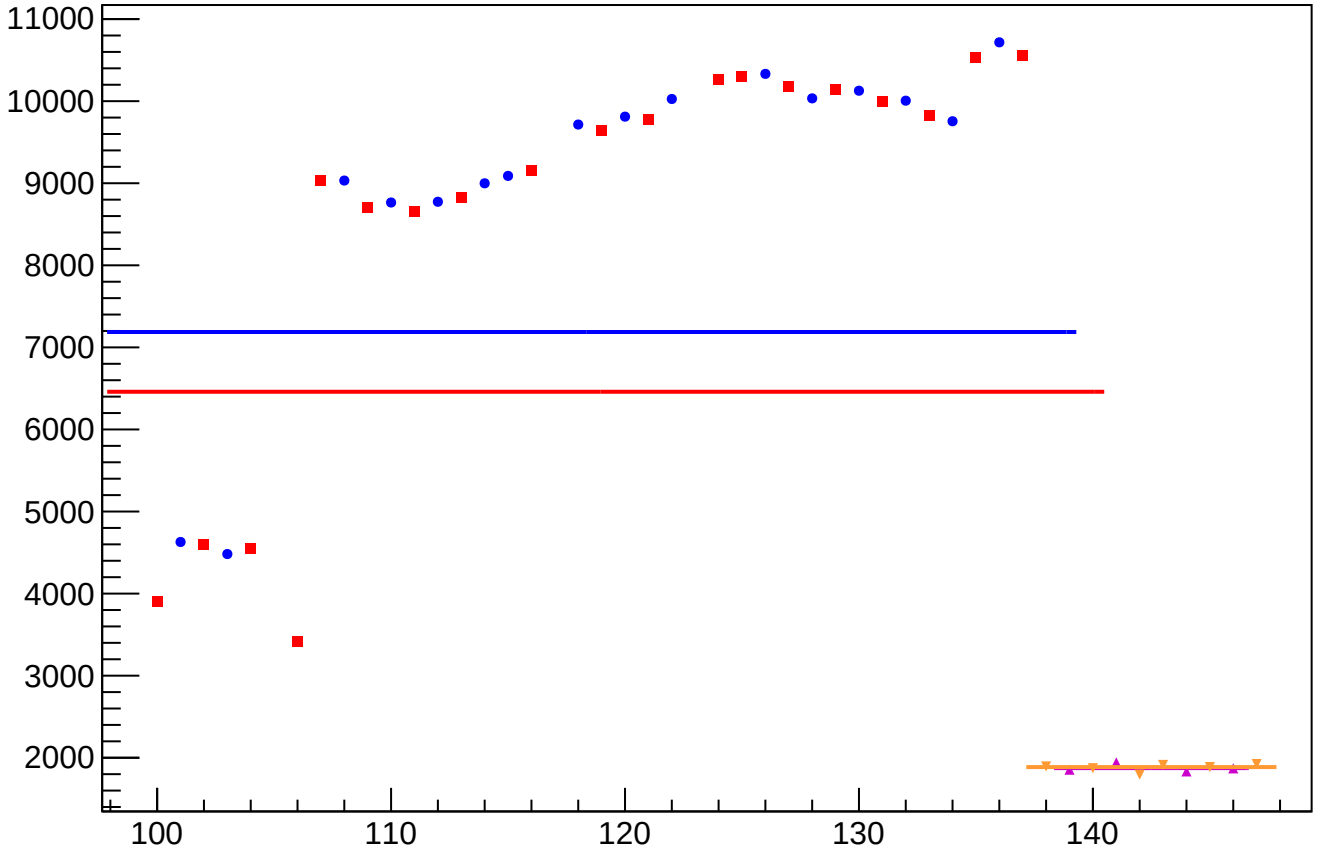
Left In: -7.775+/-0.998 χ^2/NDF:7.8/3

+ sign 6.187+/-0.848 χ^2/NDF: 409.9/21

All: 1.622+/-0.626 χ^2/NDF: 646.8/44

- sign -3.869+/-0.929 χ^2/NDF: 173.0/22

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1886.229+/-0.628 χ^2/NDF:3364.1/5

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

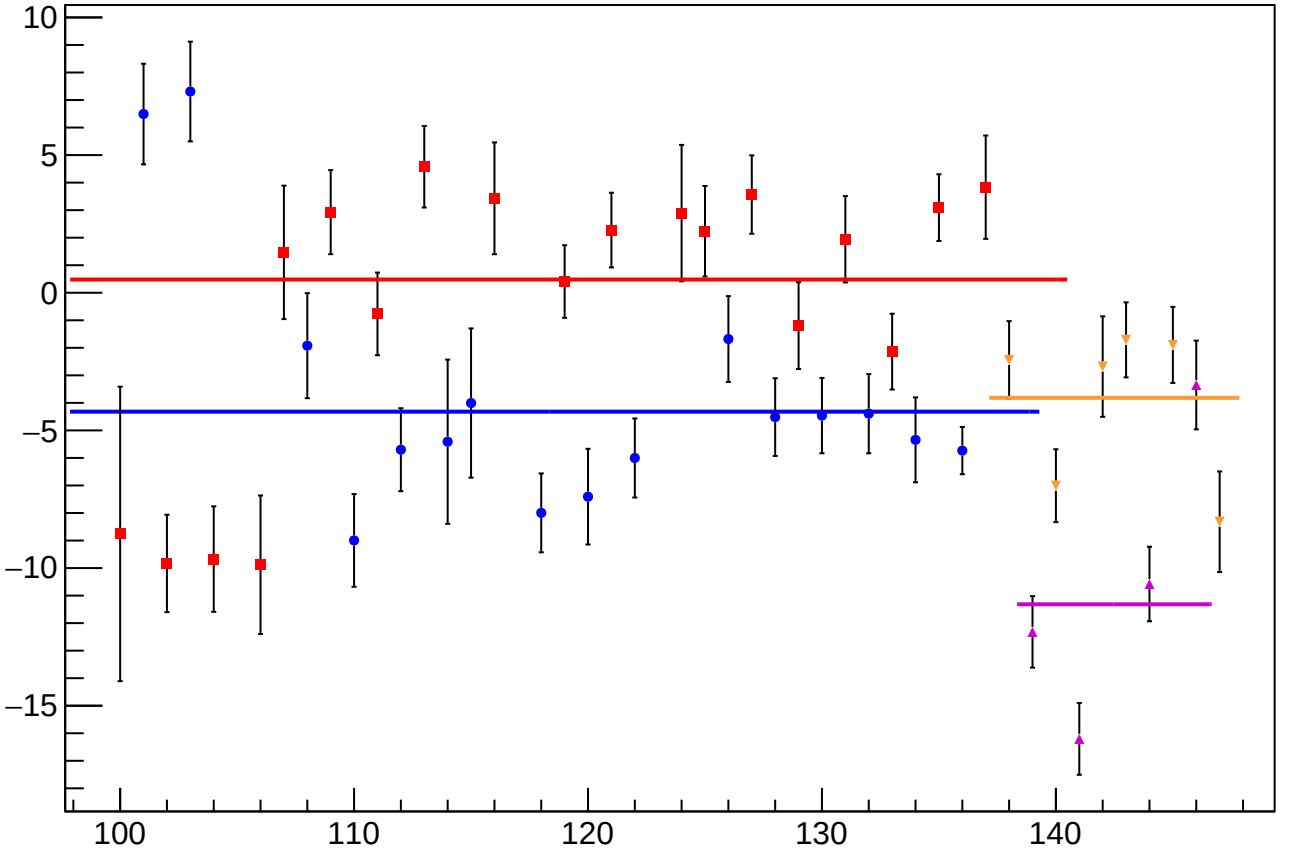
Left In: 1873.788+/-0.705 χ^2/NDF:3348.3/3

+ sign 2357.723+/-0.599 χ^2/NDF: 8050161.5/21

All: 2412.992+/-0.443 χ^2/NDF: 15929623.6/4

- sign 2479.462+/-0.657 χ^2/NDF: 7860726.7/22

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.815+/-0.605 χ^2/NDF:17.5/5

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

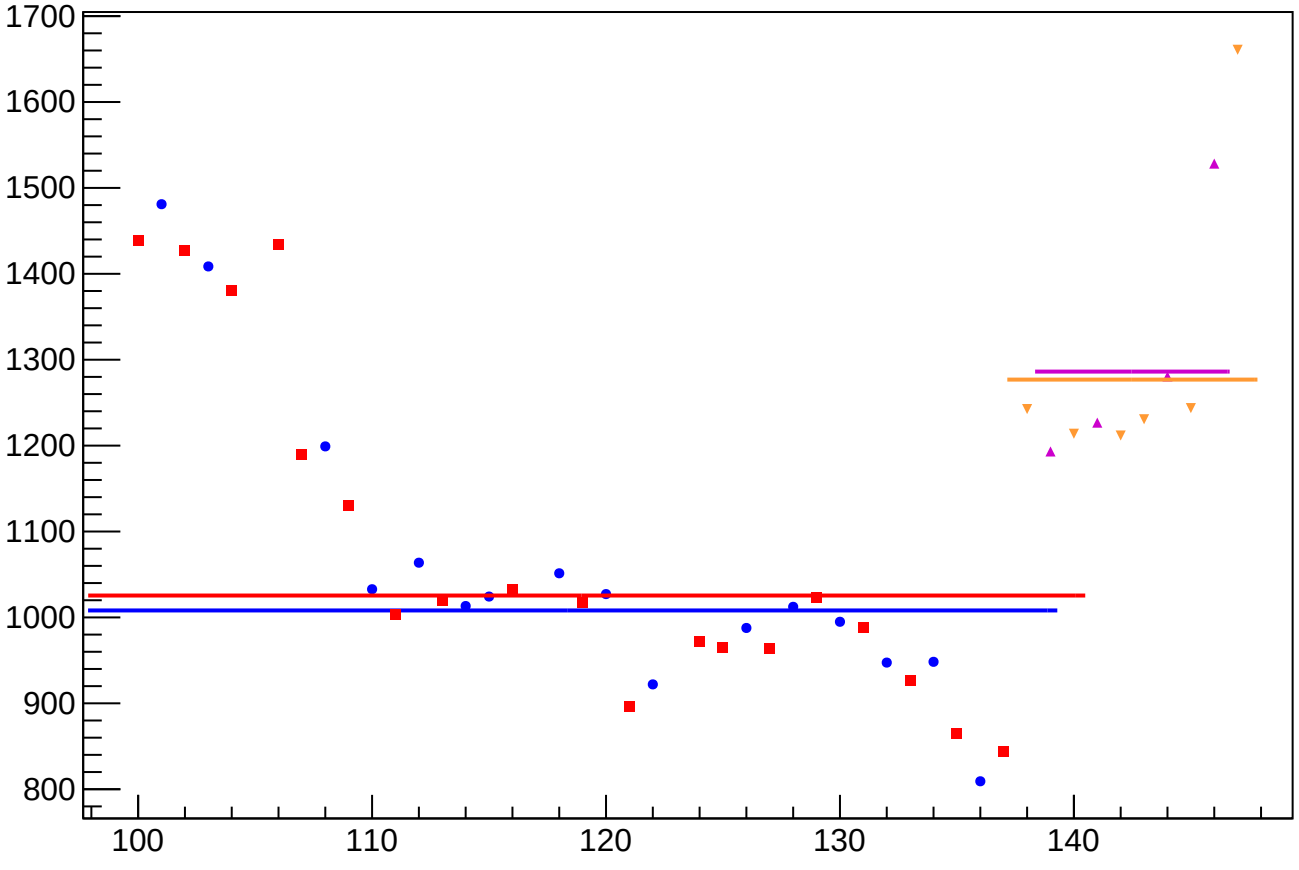
Left In: -11.316+/-0.688 χ^2/NDF:39.4/3

+ sign -4.177+/-0.322 χ^2/NDF: 121.7/21

All: -3.249+/-0.231 χ^2/NDF: 521.1/44

- sign -2.262+/-0.332 χ^2/NDF: 382.2/22

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1276.855+/-0.427 χ^2/NDF:100071.2/5

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

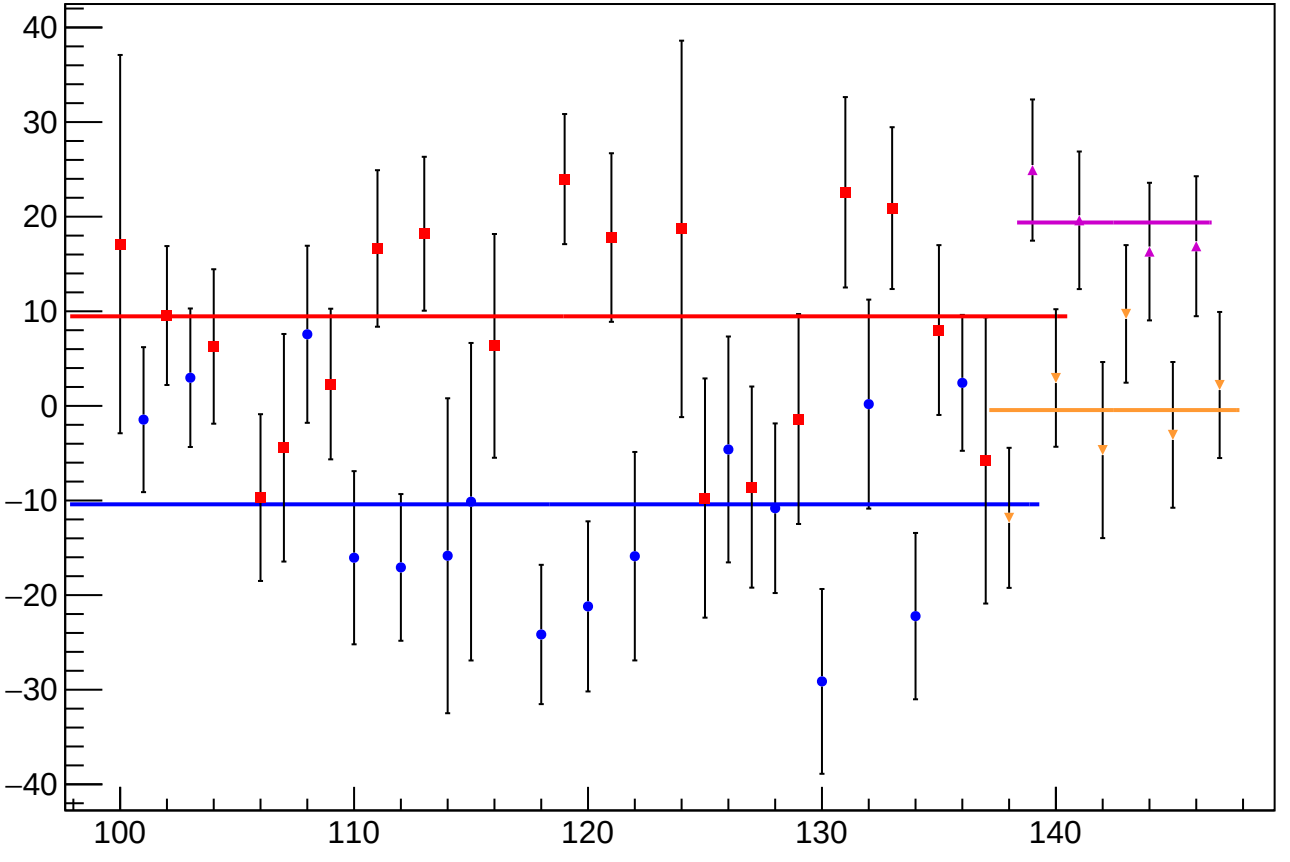
Left In: 1286.179+/-0.486 χ^2/NDF:59592.2/3

+ sign 1084.157+/-0.227 χ^2/NDF: 762329.0/21

All: 1085.098+/-0.163 χ^2/NDF: 1388360.5/44

- sign 1086.099+/-0.235 χ^2/NDF: 625996.2/22

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.442+/-3.143 χ^2/NDF:5.0/5

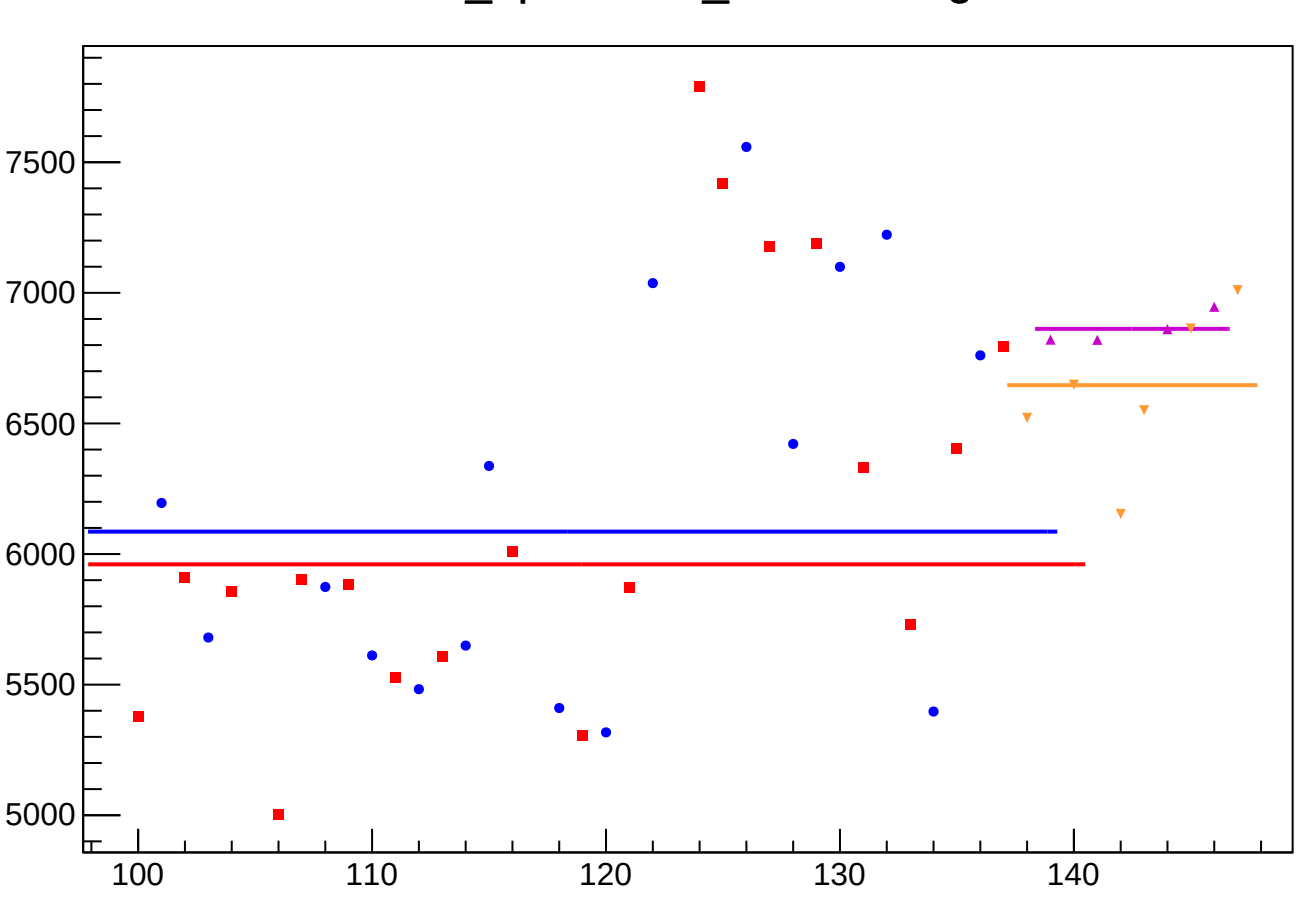
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 19.384+/-3.675 χ^2/NDF:0.8/3

+ sign -6.968+/-1.845 χ^2/NDF: 36.2/21

All: 2.364+/-1.318 χ^2/NDF: 119.9/44

- sign 12.067+/-1.882 χ^2/NDF: 31.6/22



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6646.503+/-2.222 χ^2/NDF:12556.1/5

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

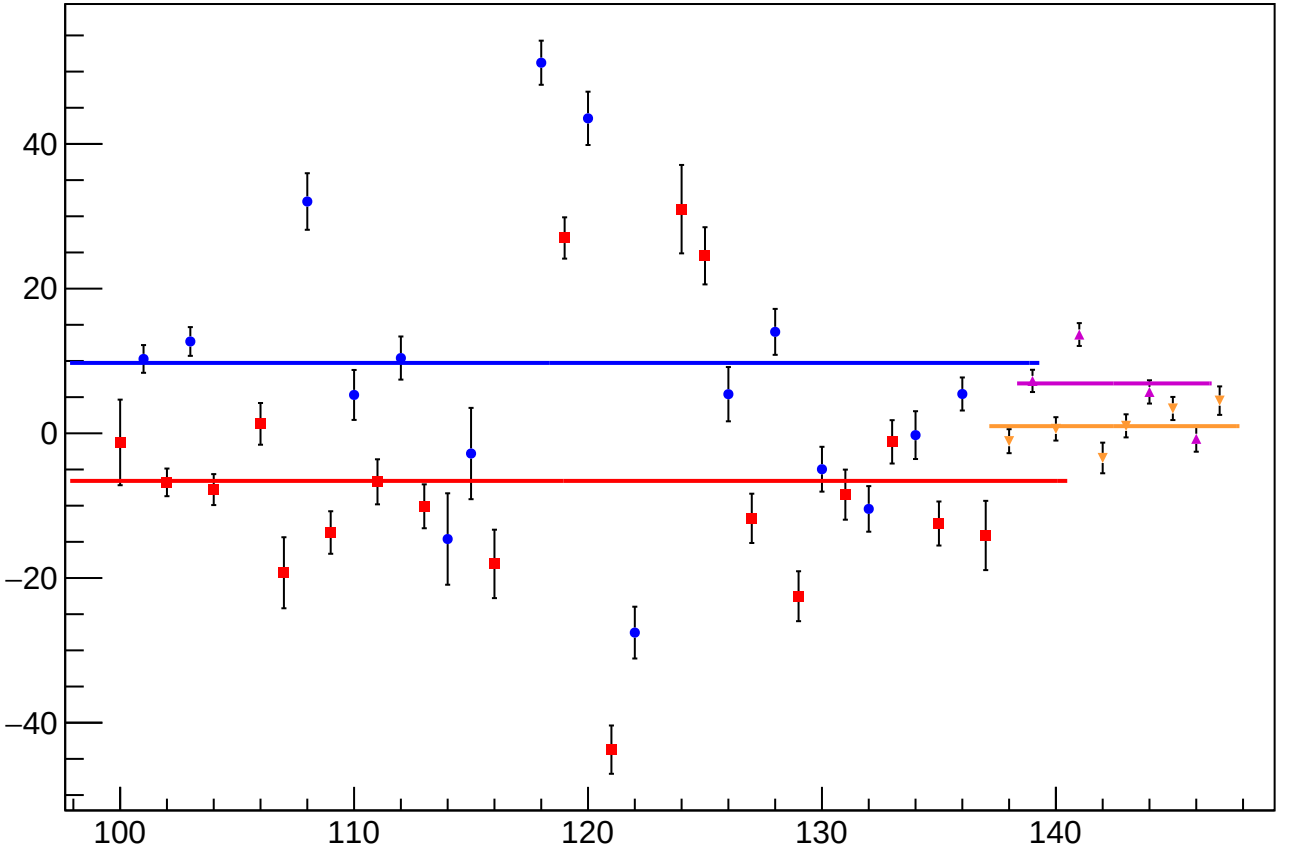
Left In: 6862.020+/-2.599 χ^2/NDF:389.1/3

+ sign 6279.209+/-1.305 χ^2/NDF: 233375.7/21

All: 6238.901+/-0.932 χ^2/NDF: 487261.9/44

- sign 6196.988+/-1.331 χ^2/NDF: 251939.9/22

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 0.991+/-0.705 χ^2/NDF:11.5/5

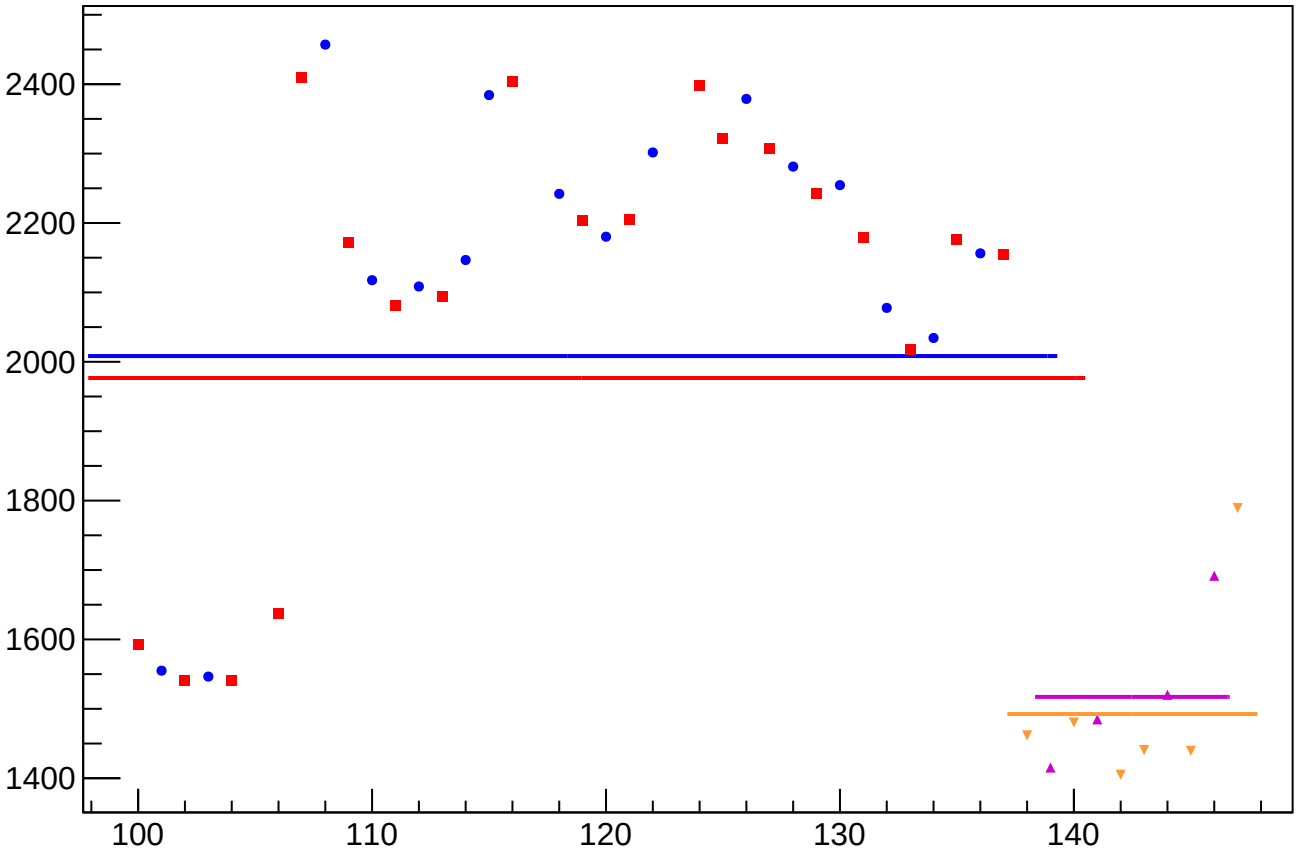
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 6.897+/-0.810 χ^2/NDF:37.3/3

+ sign 5.063+/-0.515 χ^2/NDF: 595.5/21

All: 2.408+/-0.374 χ^2/NDF: 1265.1/44

- sign -0.536+/-0.542 χ^2/NDF: 613.6/22



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1492.501+/-0.498 χ^2/NDF:53986.6/5

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

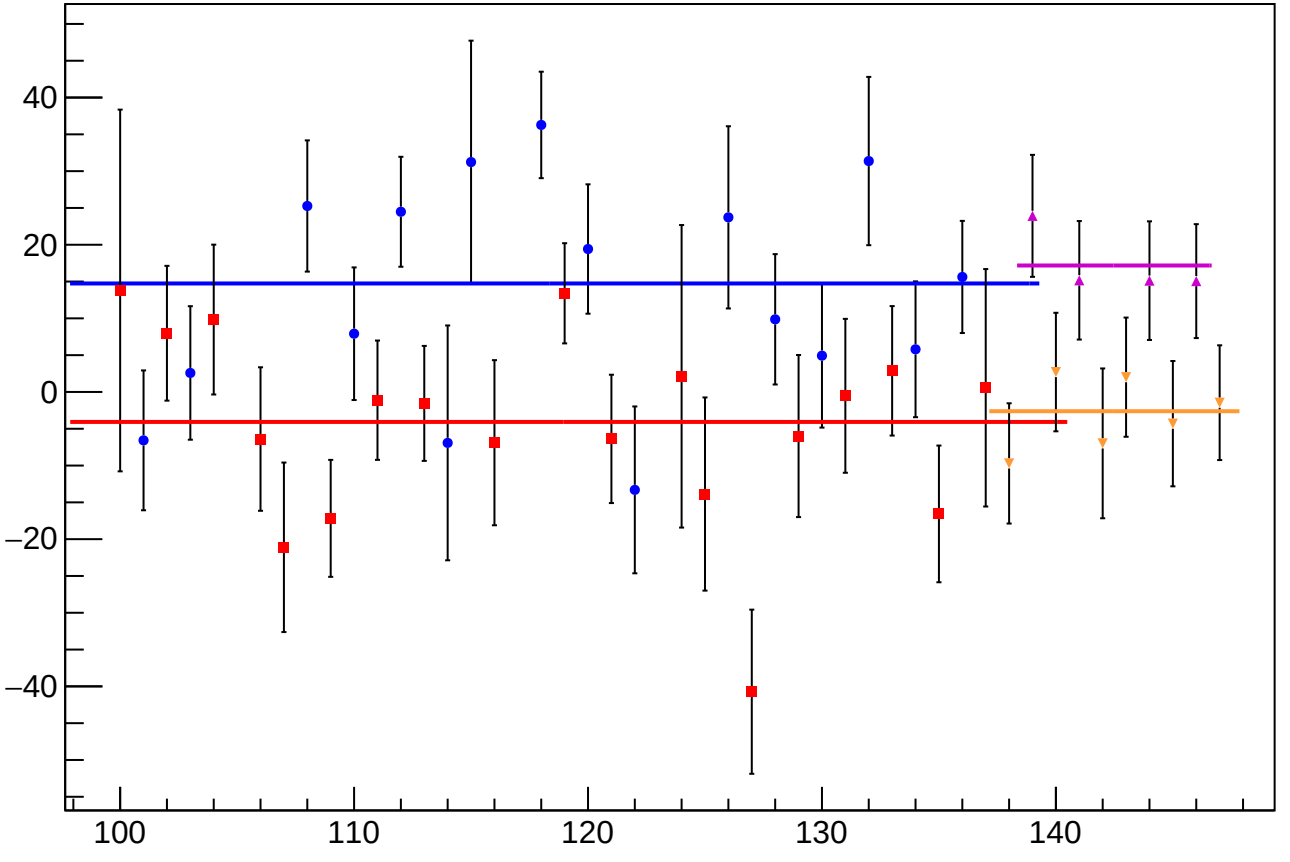
Left In: 1517.196+/-0.573 χ^2/NDF:28719.1/3

+ sign 1732.751+/-0.364 χ^2/NDF: 897135.5/21

All: 1750.749+/-0.264 χ^2/NDF: 1651251.8/44

- sign 1770.701+/-0.384 χ^2/NDF: 748970.2/22

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.617+/-3.418 χ^2/NDF:1.8/5

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

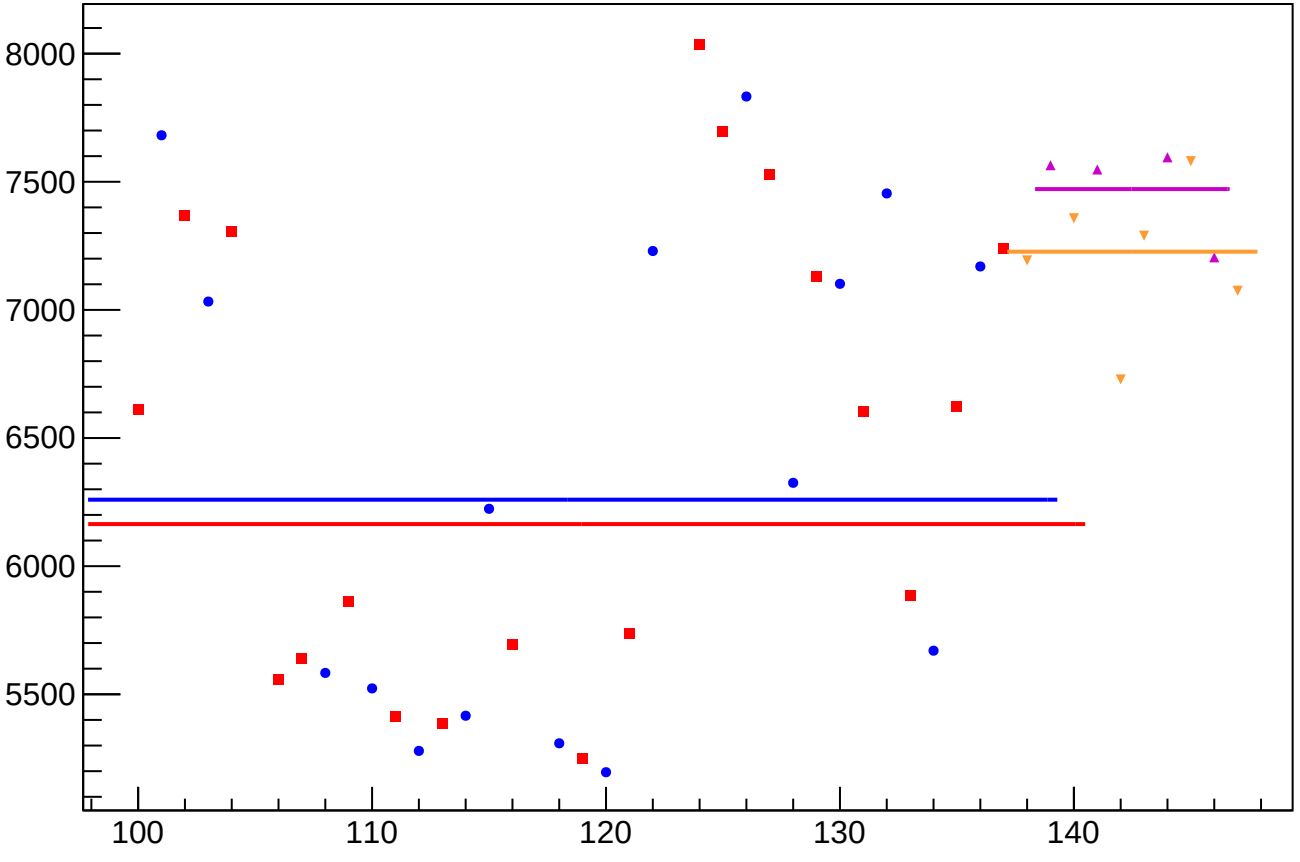
Left In: 17.182+/-4.013 χ^2/NDF:0.9/3

+ sign 9.145+/-1.941 χ^2/NDF: 52.8/21

All: 5.196+/-1.385 χ^2/NDF: 113.5/44

- sign 1.093+/-1.978 χ^2/NDF: 52.3/22

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7227.223+/-2.417 χ^2/NDF:9683.9/5

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

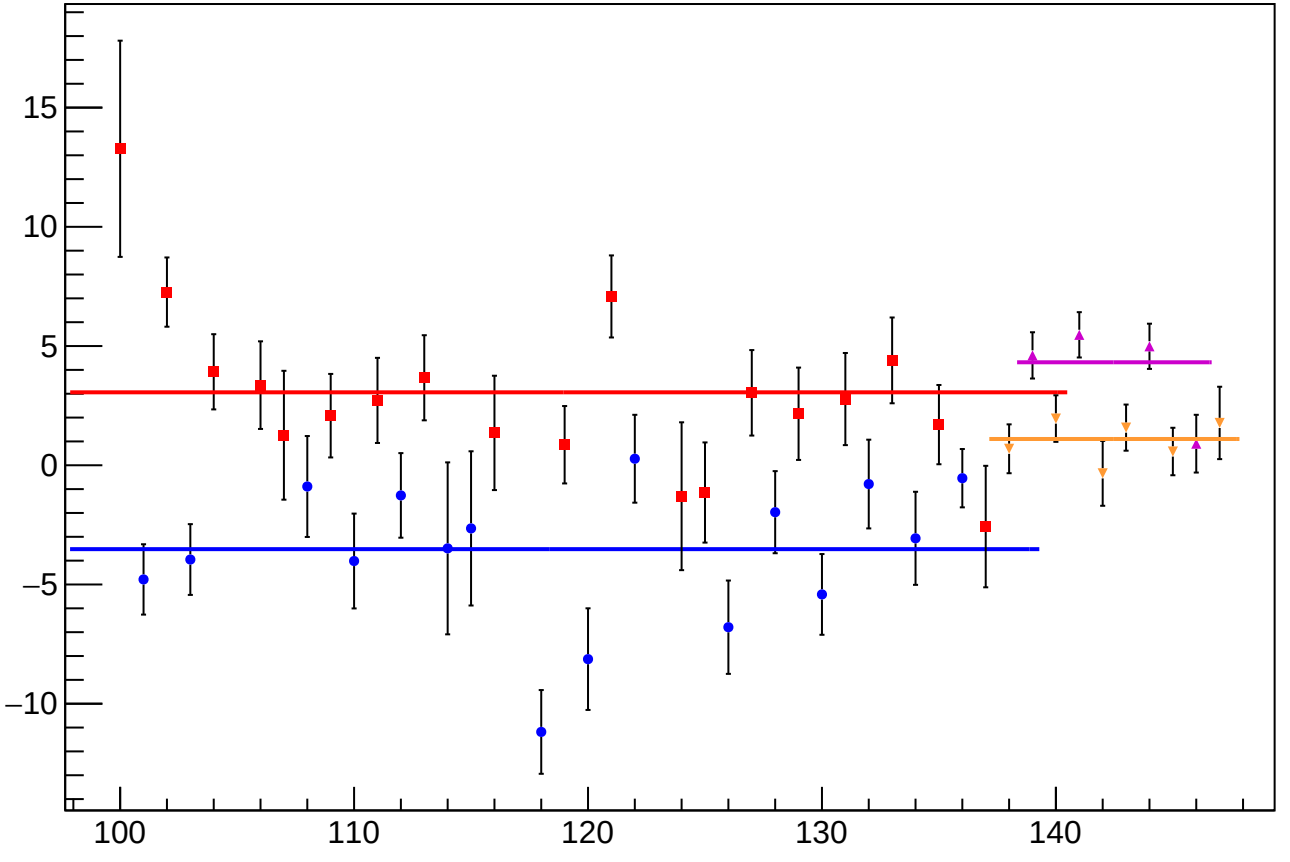
Left In: 7471.515+/-2.838 χ^2/NDF:3275.3/3

+ sign 6571.372+/-1.372 χ^2/NDF: 426923.8/21

All: 6527.449+/-0.980 χ^2/NDF: 858012.3/44

- sign 6481.813+/-1.399 χ^2/NDF: 428999.9/22

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.102+/-0.445 χ^2/NDF:2.8/5

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

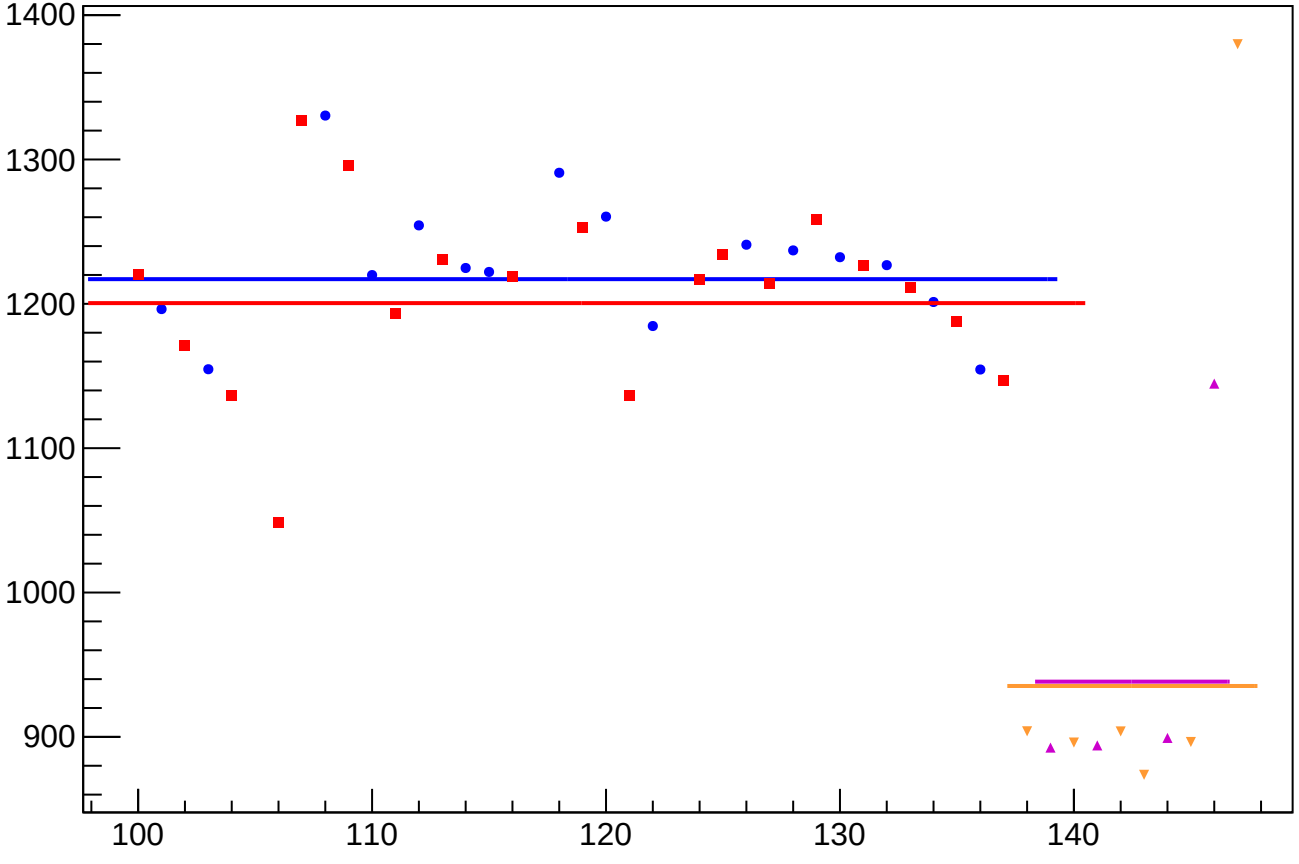
Left In: 4.319+/-0.502 χ^2/NDF:10.0/3

+ sign -1.169+/-0.317 χ^2/NDF: 100.9/21

All: 1.121+/-0.229 χ^2/NDF: 257.9/44

- sign 3.604+/-0.330 χ^2/NDF: 48.4/22

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 935.257+/-0.315 χ^2/NDF:188881.7/5

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

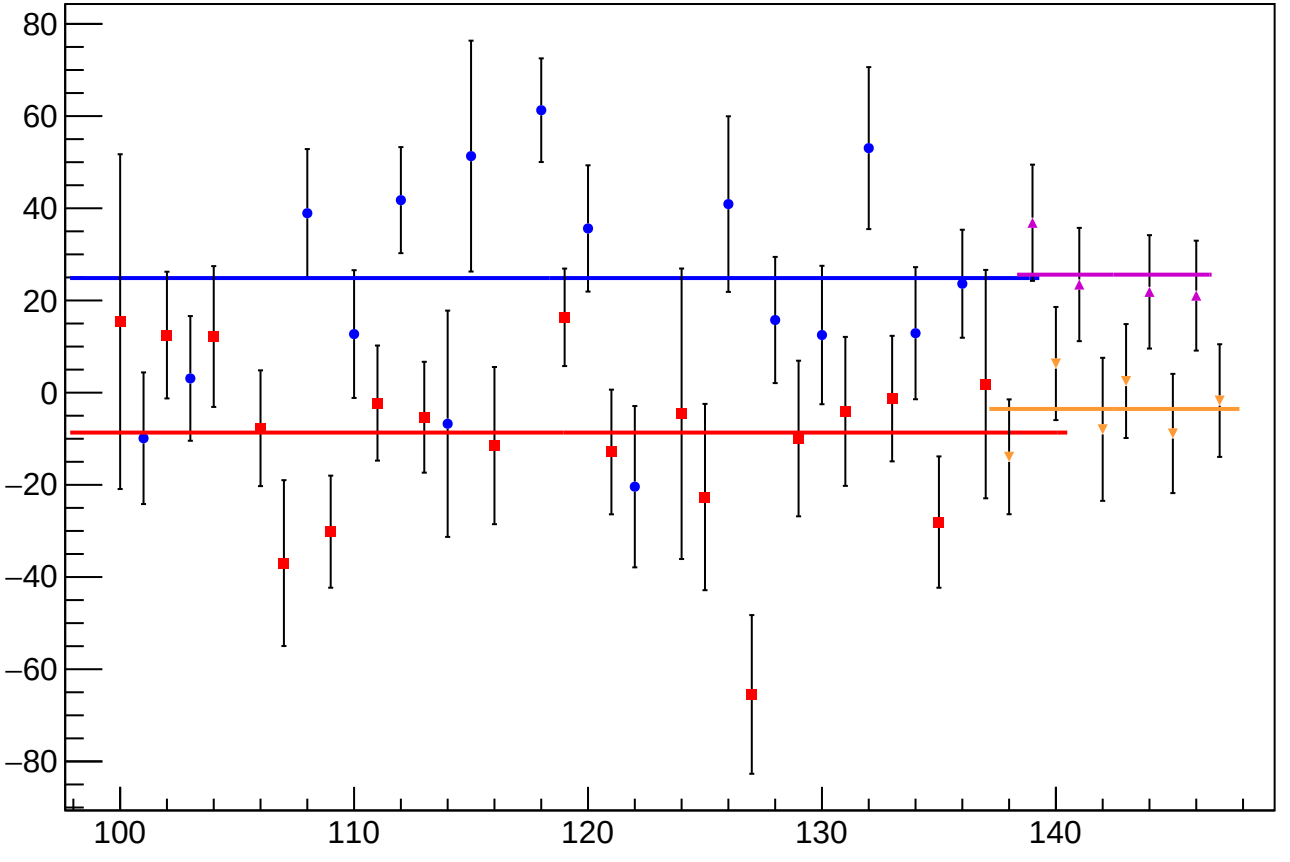
Left In: 938.267+/-0.355 χ^2/NDF:70278.8/3

+ sign 1073.791+/-0.224 χ^2/NDF: 605222.6/21

All: 1080.185+/-0.162 χ^2/NDF: 1024322.0/44

- sign 1087.117+/-0.234 χ^2/NDF: 417405.7/22

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.528+/-5.237 χ^2/NDF:1.9/5

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

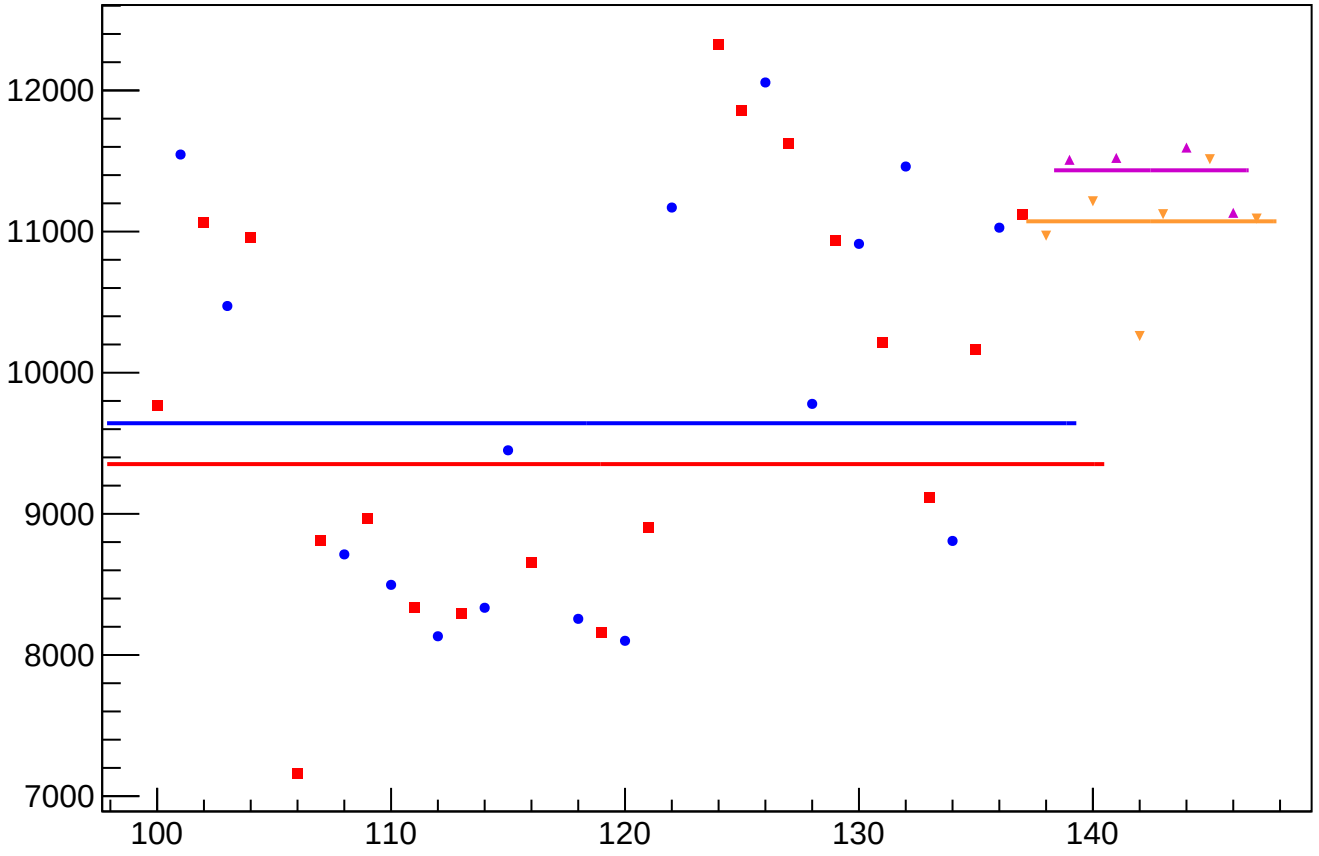
Left In: 25.600+/-6.137 χ^2/NDF:1.1/3

+ sign 15.654+/-2.982 χ^2/NDF: 59.8/21

All: 7.692+/-2.118 χ^2/NDF: 129.1/44

- sign -0.418+/-3.010 χ^2/NDF: 54.9/22

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11072.673+/-3.703 χ^2/NDF:8238.6/5

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

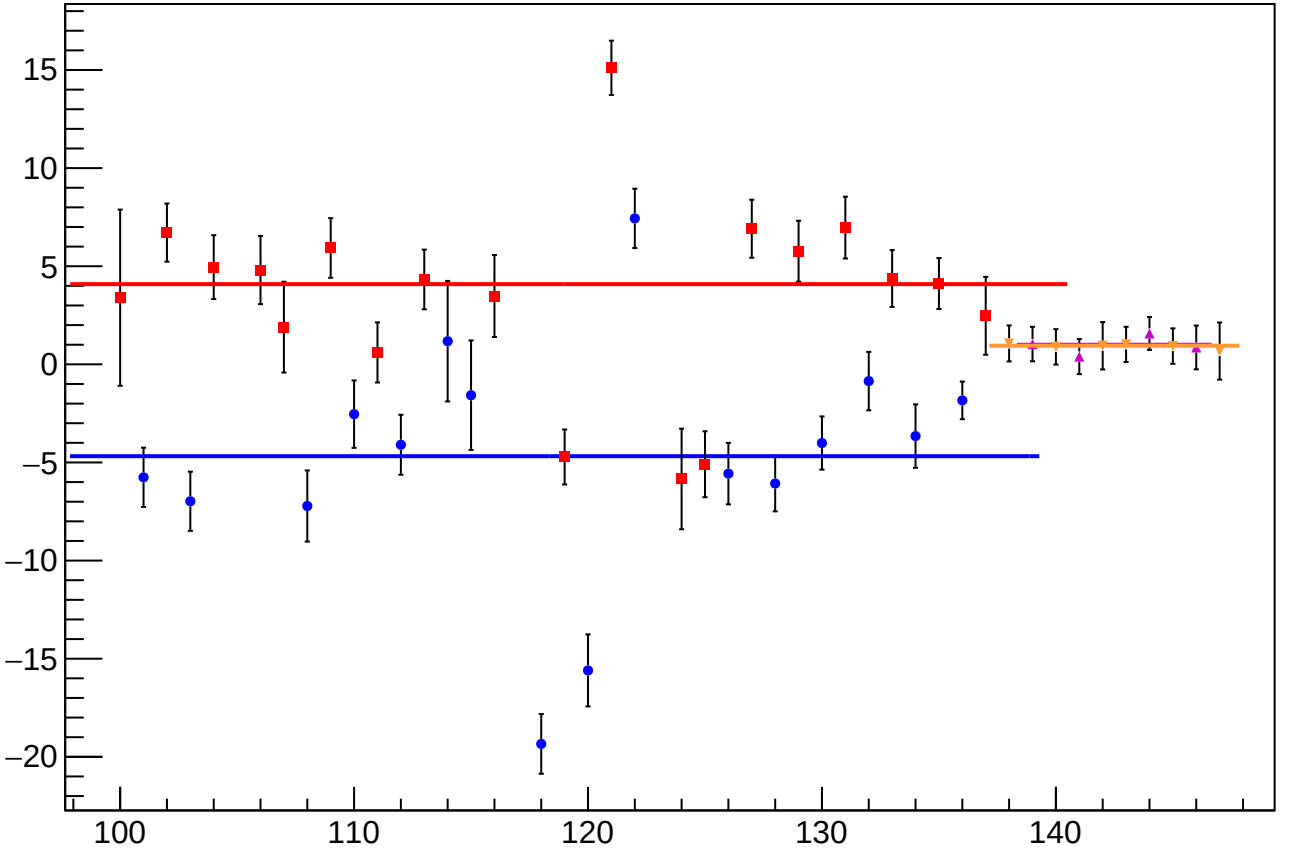
Left In: 11434.069+/-4.339 χ^2/NDF:1791.3/3

+ sign 10105.993+/-2.109 χ^2/NDF: 388743.4/21

All: 9980.765+/-1.498 χ^2/NDF: 874190.9/44

- sign 9853.214+/-2.128 χ^2/NDF: 478329.1/22

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.949+/-0.407 χ^2/NDF:0.1/5

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

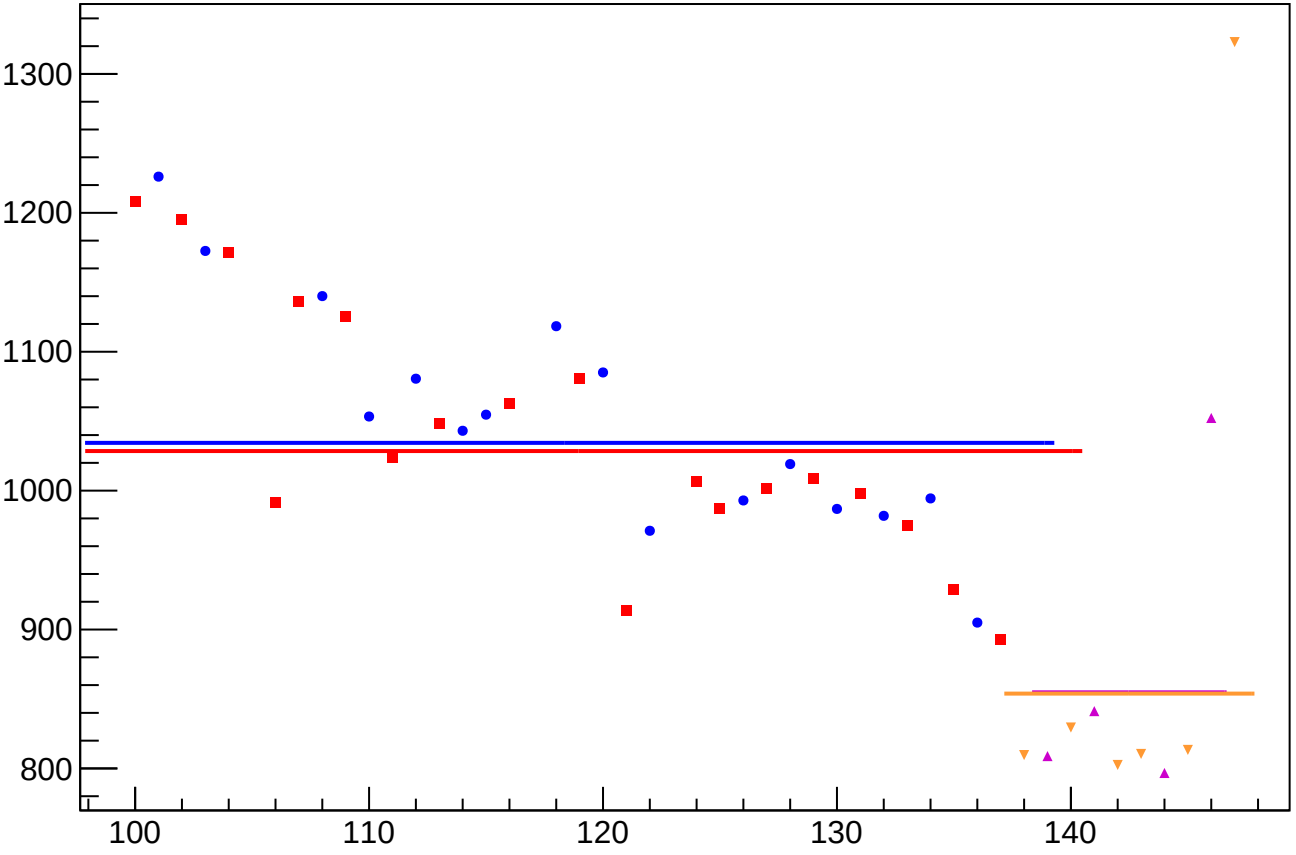
Left In: 0.999+/-0.458 χ^2/NDF:0.9/3

\+ sign -2.015+/-0.280 χ^2/NDF: 322.1/21

All: 0.321+/-0.202 χ^2/NDF: 663.0/44

\- sign 2.842+/-0.291 χ^2/NDF: 196.1/22

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 853.876+/-0.288 χ^2/NDF:226216.2/5

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

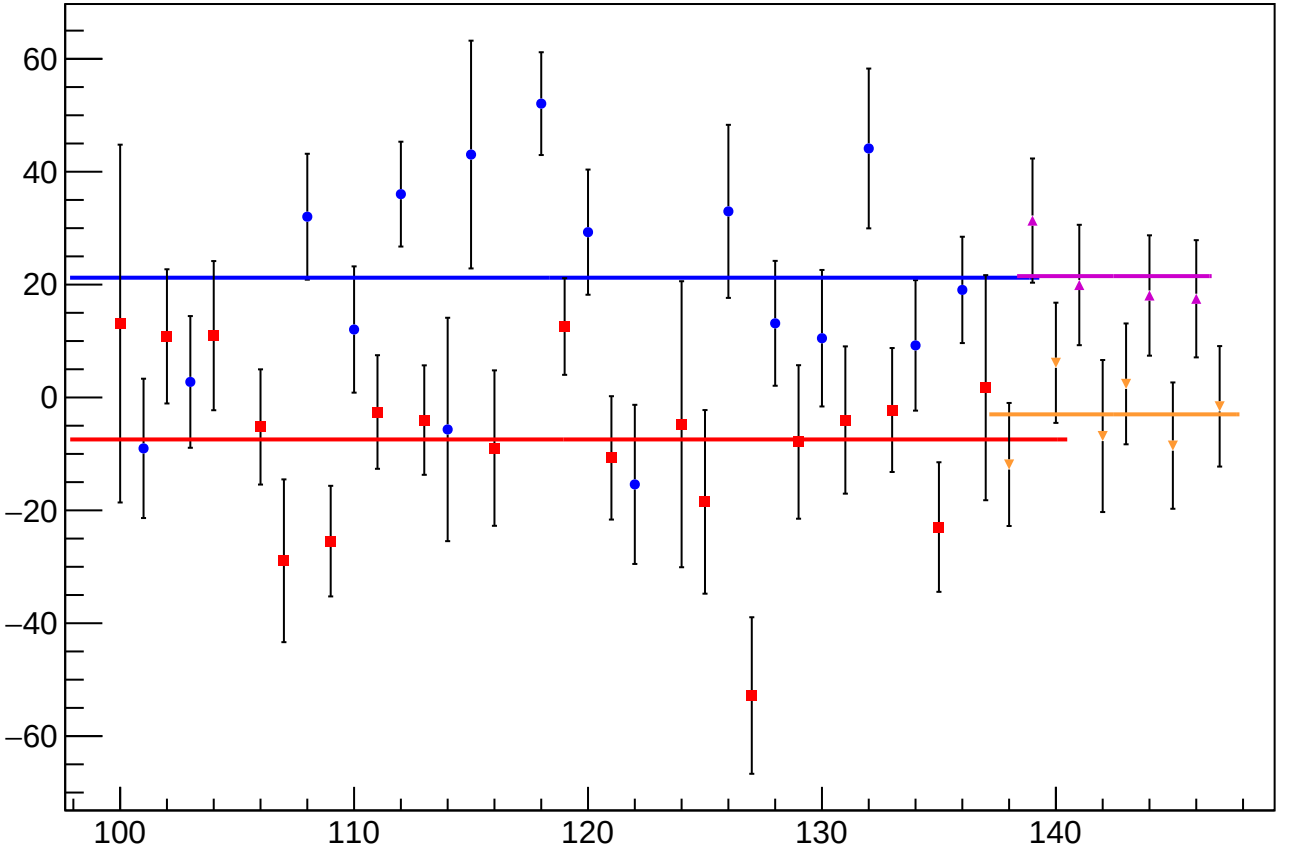
Left In: 854.809+/-0.324 χ^2/NDF:78162.8/3

+ sign 948.935+/-0.198 χ^2/NDF: 546838.5/21

All: 953.536+/-0.143 χ^2/NDF: 899396.0/44

- sign 958.501+/-0.206 χ^2/NDF: 351434.2/22

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -2.990+/-4.553 χ^2/NDF:2.0/5

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

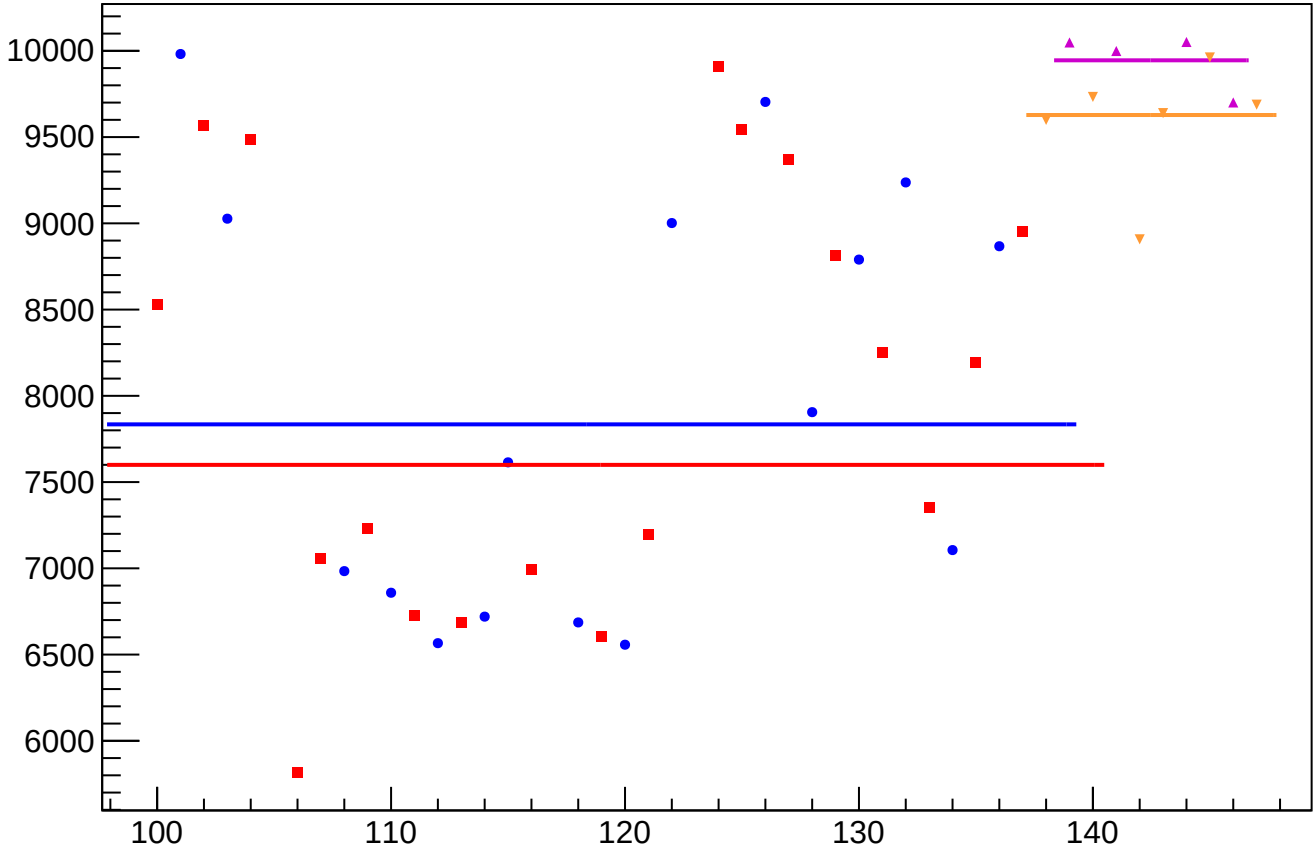
Left In: 21.503+/-5.336 χ^2/NDF:1.1/3

+ sign 14.058+/-2.477 χ^2/NDF: 62.0/21

All: 6.483+/-1.755 χ^2/NDF: 134.7/44

- sign -1.151+/-2.487 χ^2/NDF: 53.9/22

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9627.983+/-3.220 χ^2/NDF:7777.3/5

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

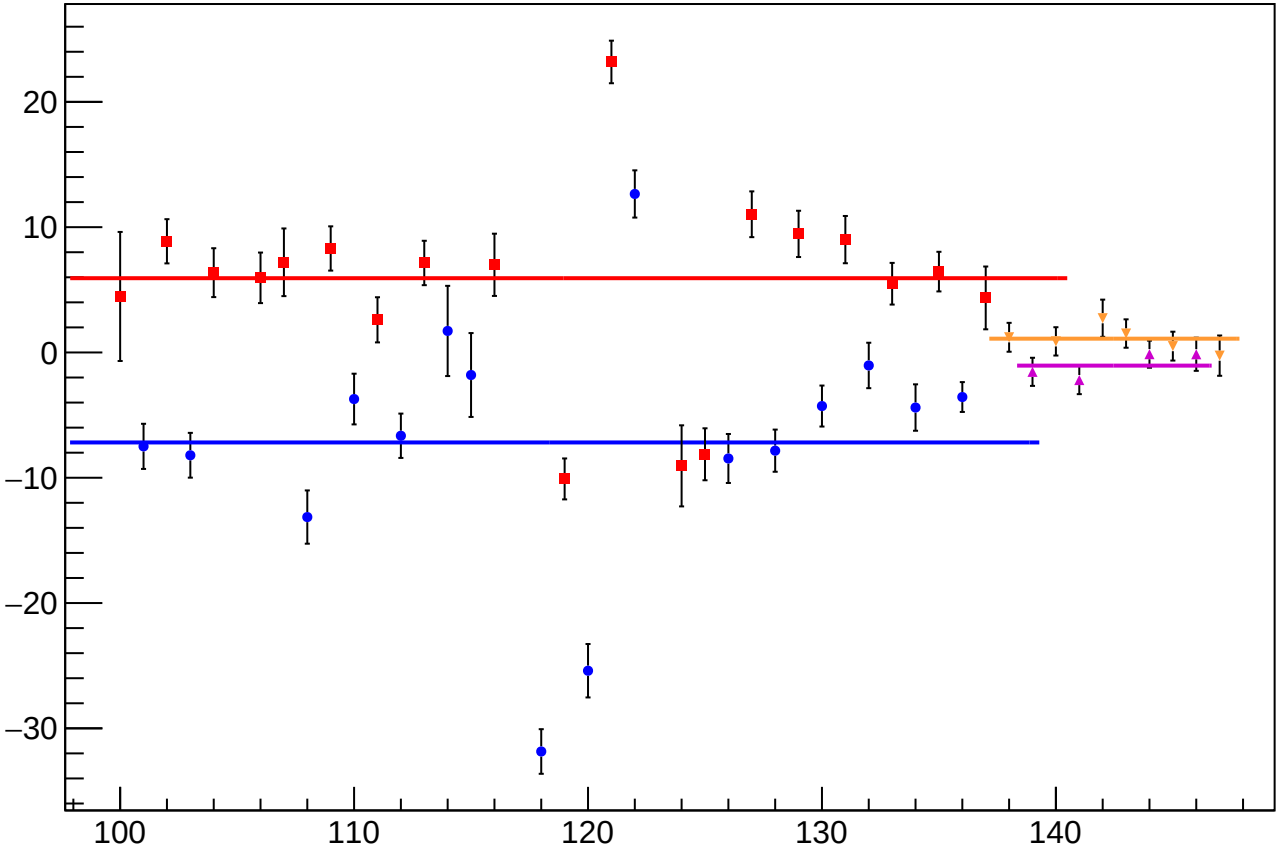
Left In: 9945.080+/-3.773 χ^2/NDF:1533.7/3

+ sign 8365.260+/-1.751 χ^2/NDF: 544304.1/21

All: 8237.641+/-1.241 χ^2/NDF: 1203265.3/44

- sign 8109.027+/-1.758 χ^2/NDF: 648300.9/22

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.101+/-0.506 χ^2/NDF:2.4/5

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

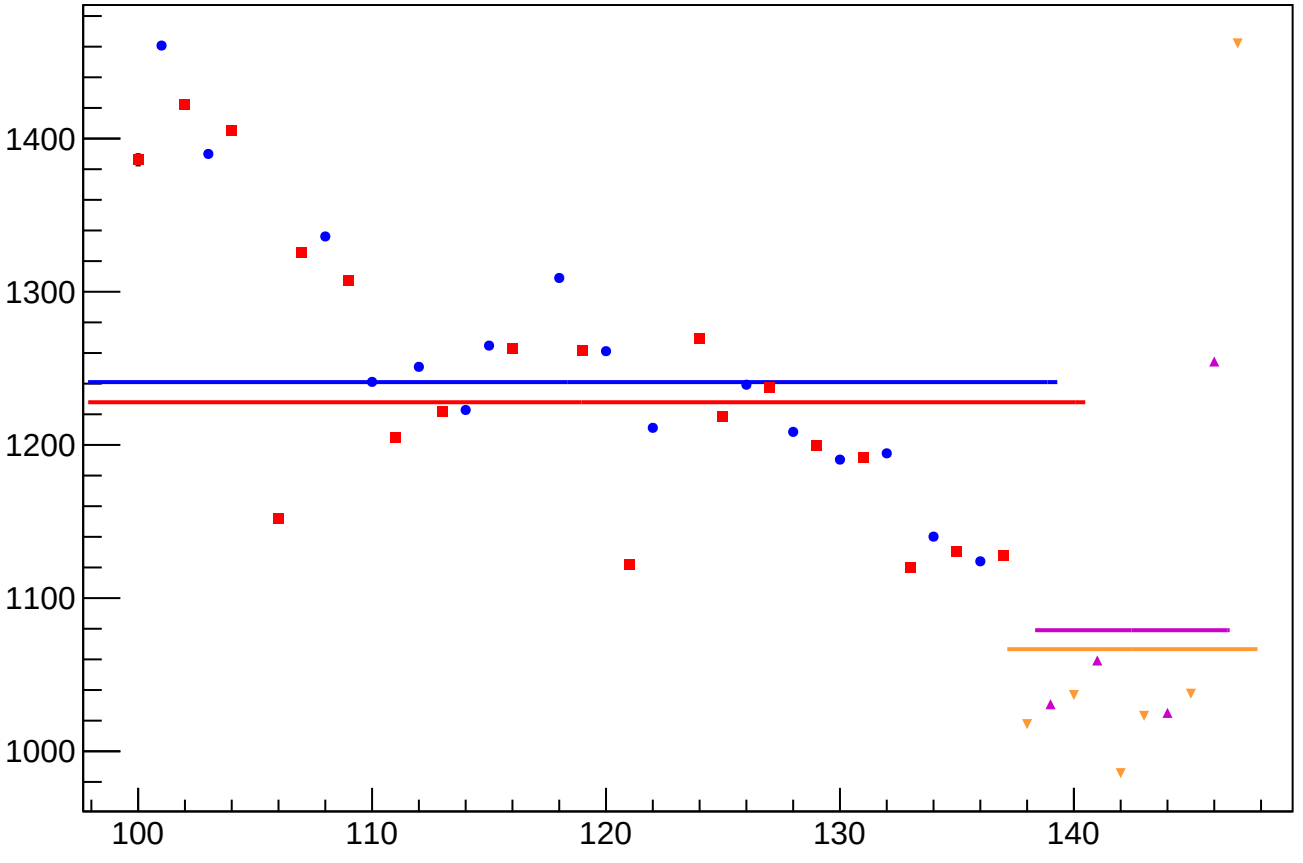
Left In: -1.050+/-0.577 χ^2/NDF:2.4/3

+ sign -3.412+/-0.341 χ^2/NDF: 570.7/21

All: -0.186+/-0.246 χ^2/NDF: 1140.4/44

- sign 3.292+/-0.354 χ^2/NDF: 383.9/22

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1066.674+/-0.358 χ^2/NDF:136145.6/5

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

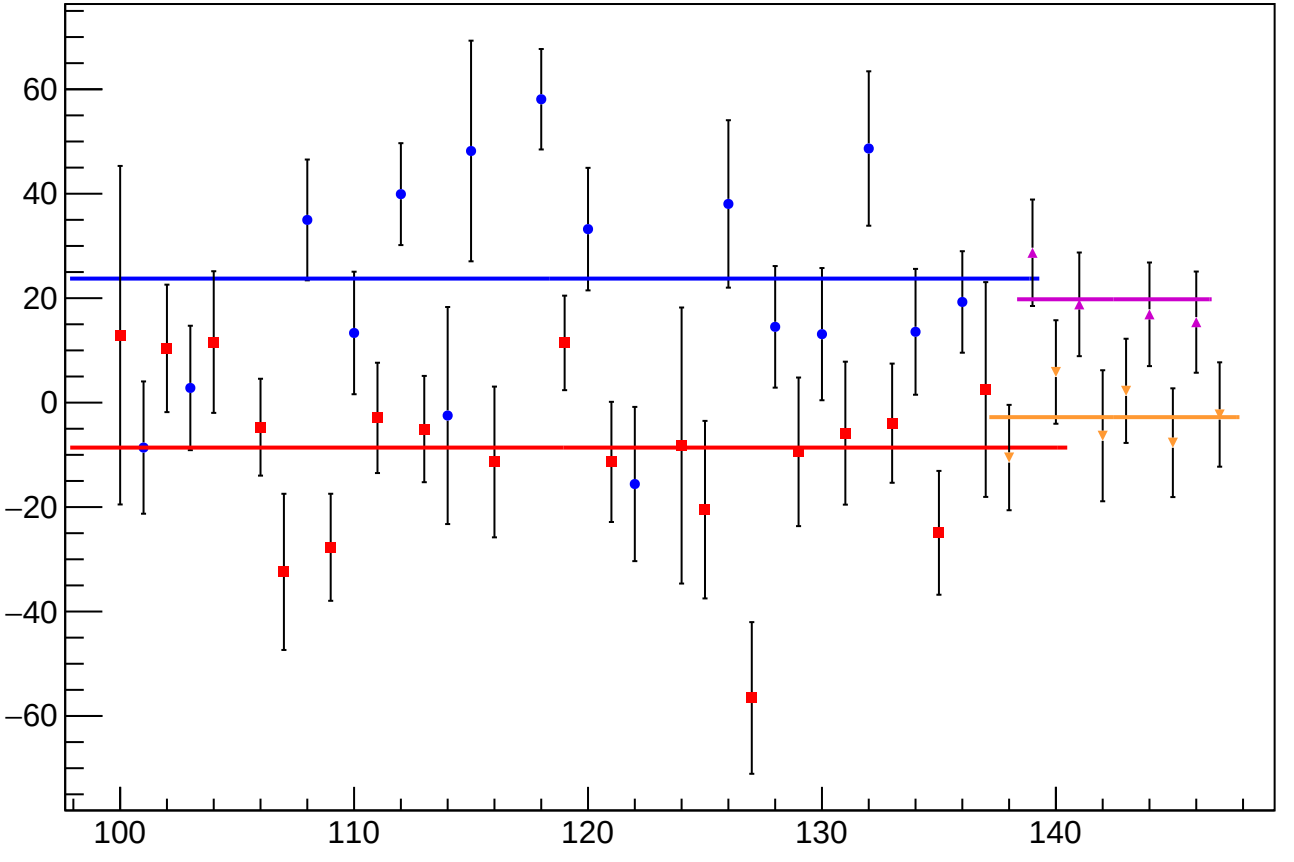
Left In: 1079.045+/-0.408 χ^2/NDF:44417.1/3

+ sign 1161.648+/-0.241 χ^2/NDF: 346247.9/21

All: 1166.463+/-0.174 χ^2/NDF: 556758.6/44

- sign 1171.655+/-0.251 χ^2/NDF: 209683.1/22

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.782+/-4.239 χ^2/NDF:1.9/5

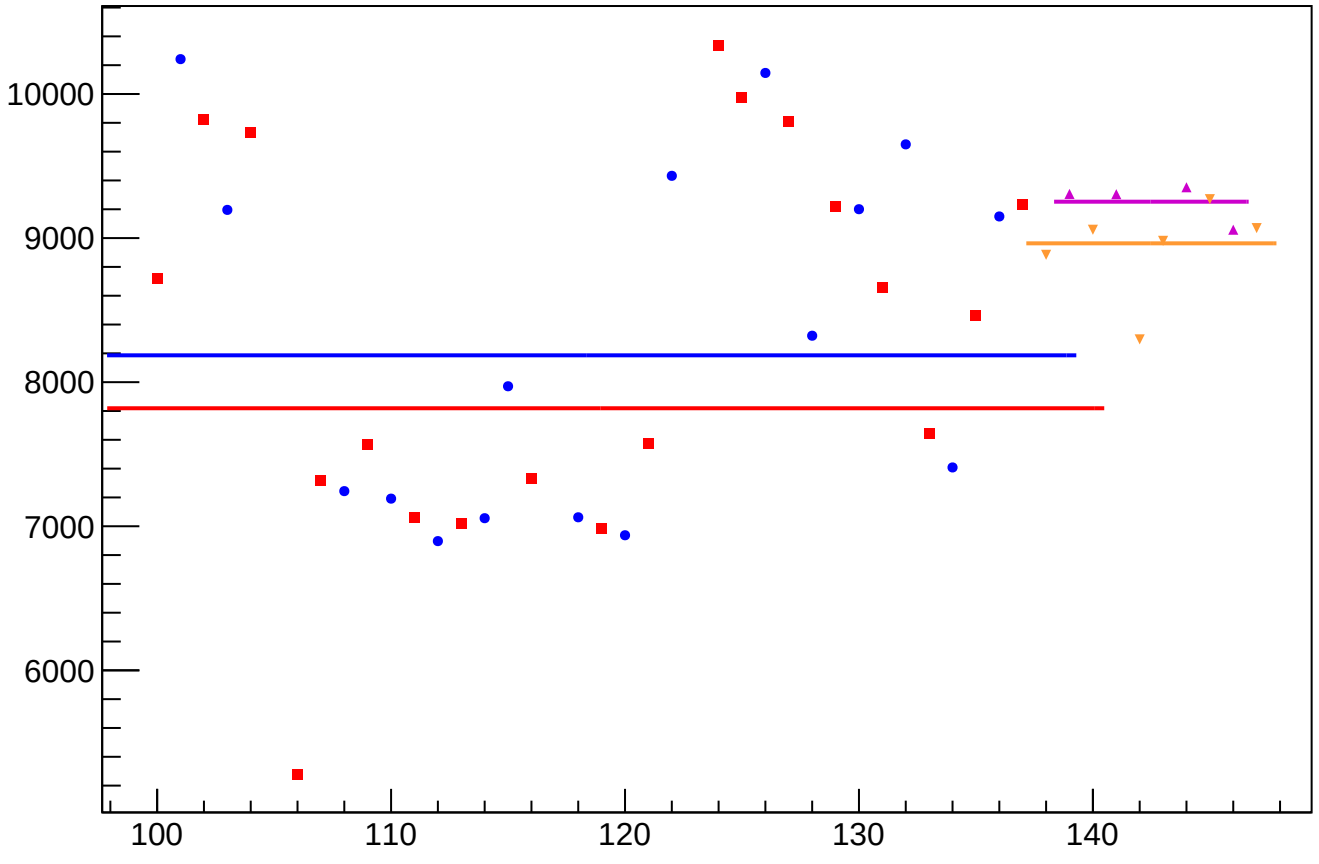
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 19.789+/-4.963 χ^2/NDF:1.1/3

+ sign 14.576+/-2.492 χ^2/NDF: 71.0/21

All: 6.630+/-1.766 χ^2/NDF: 147.3/44

- sign -1.385+/-2.503 χ^2/NDF: 55.9/22



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8963.572+/-2.997 χ^2/NDF:7914.7/5

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

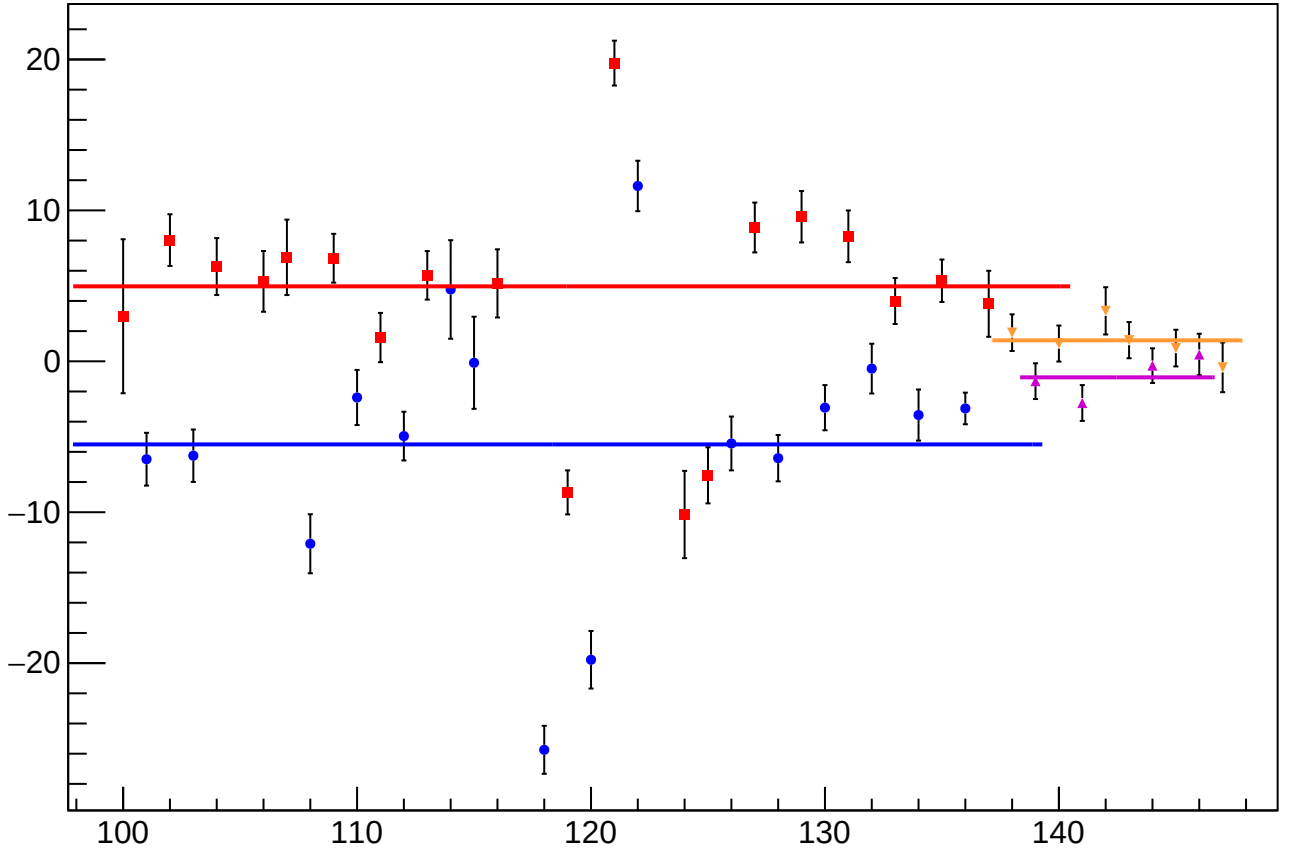
Left In: 9252.571+/-3.510 χ^2/NDF:1120.4/3

+ sign 8455.077+/-1.762 χ^2/NDF: 342534.6/21

All: 8319.948+/-1.249 χ^2/NDF: 902875.5/44

- sign 8183.641+/-1.770 χ^2/NDF: 548532.3/22

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.387+/-0.532 χ^2/NDF:3.1/5

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

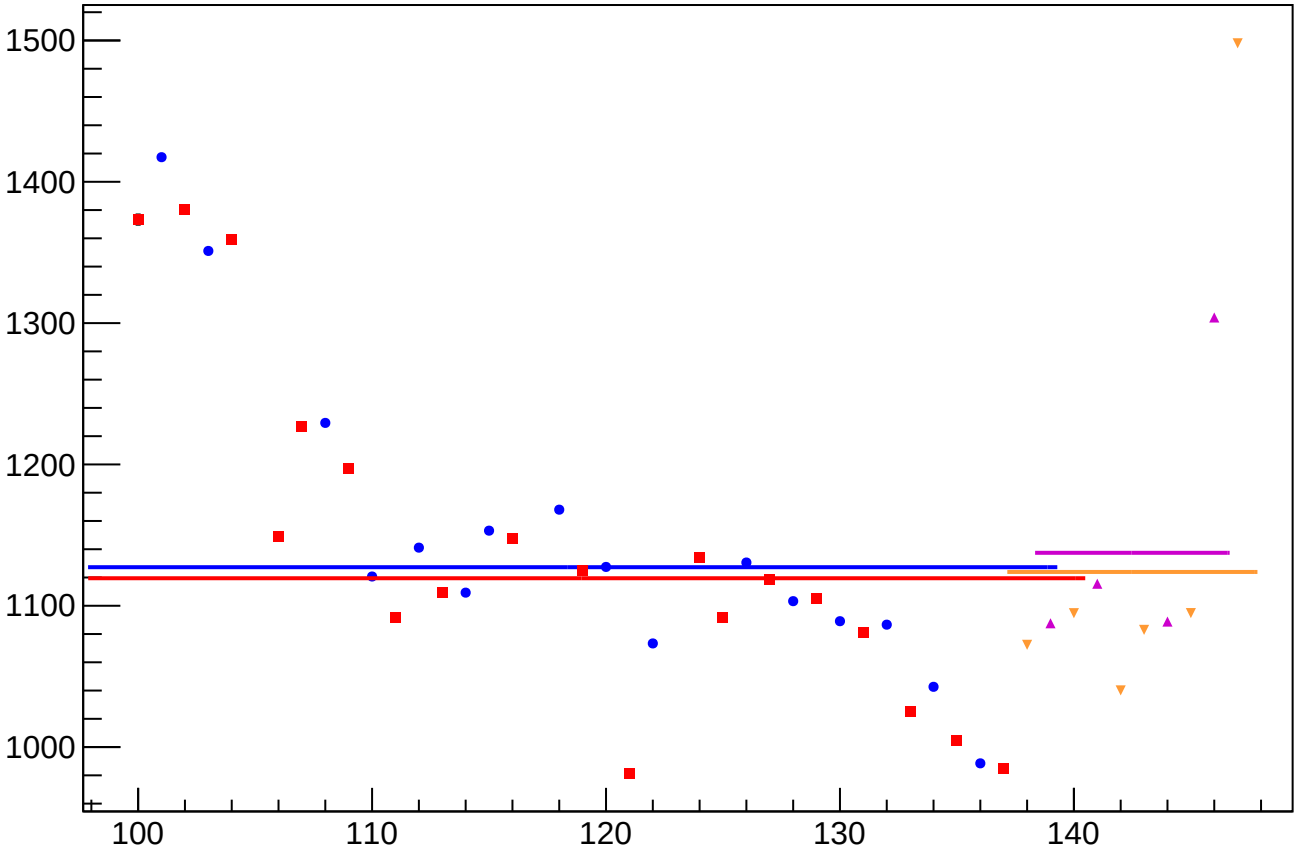
Left In: -1.063+/-0.607 χ^2/NDF:3.8/3

+ sign -2.855+/-0.330 χ^2/NDF: 476.1/21

All: 0.024+/-0.237 χ^2/NDF: 991.5/44

- sign 3.077+/-0.340 χ^2/NDF: 358.8/22

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1123.925+/-0.376 χ^2/NDF:117116.0/5

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

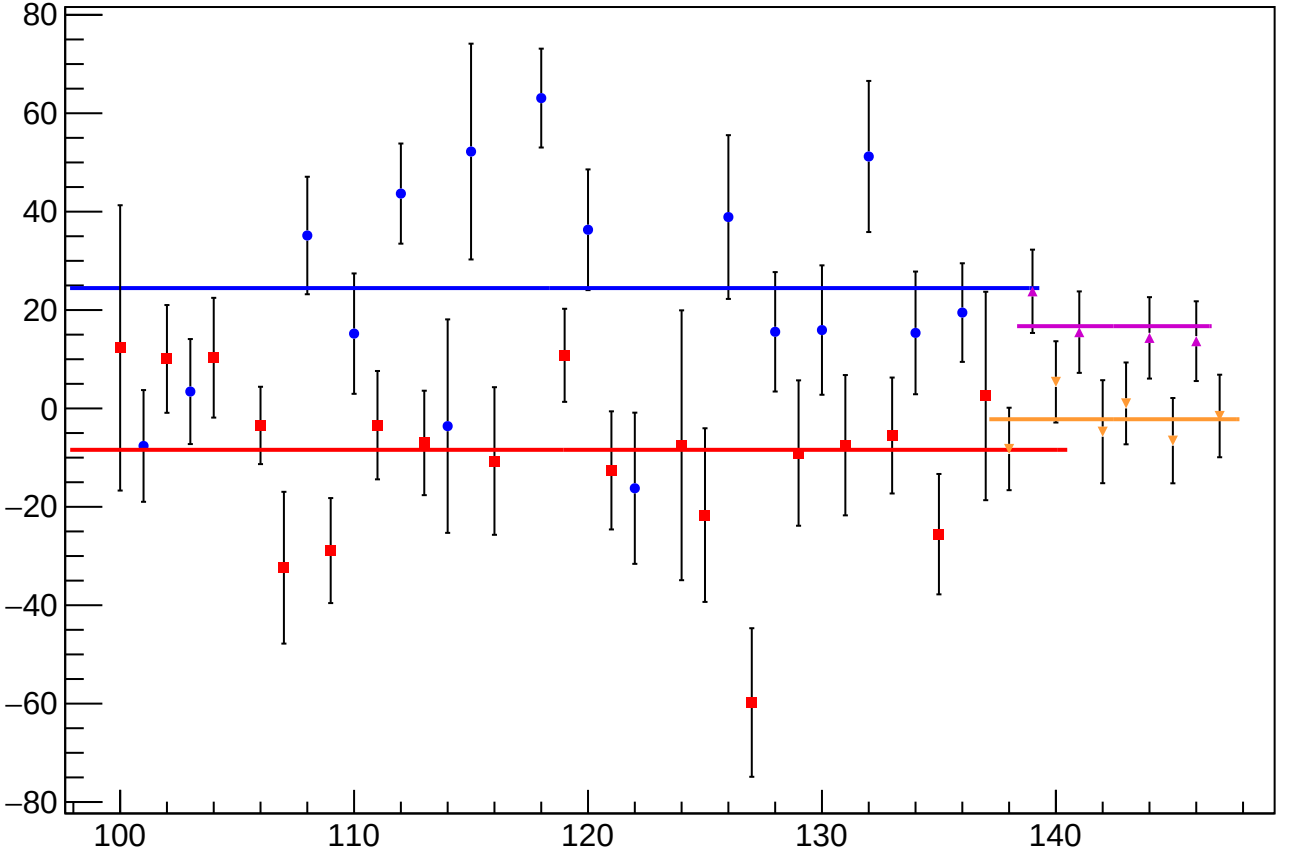
Left In: 1137.472+/-0.429 χ^2/NDF:37131.7/3

+ sign 1125.995+/-0.233 χ^2/NDF: 257780.9/21

All: 1125.568+/-0.167 χ^2/NDF: 436861.6/44

- sign 1125.114+/-0.240 χ^2/NDF: 179073.8/22

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -2.194+/-3.536 χ^2/NDF:1.8/5

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

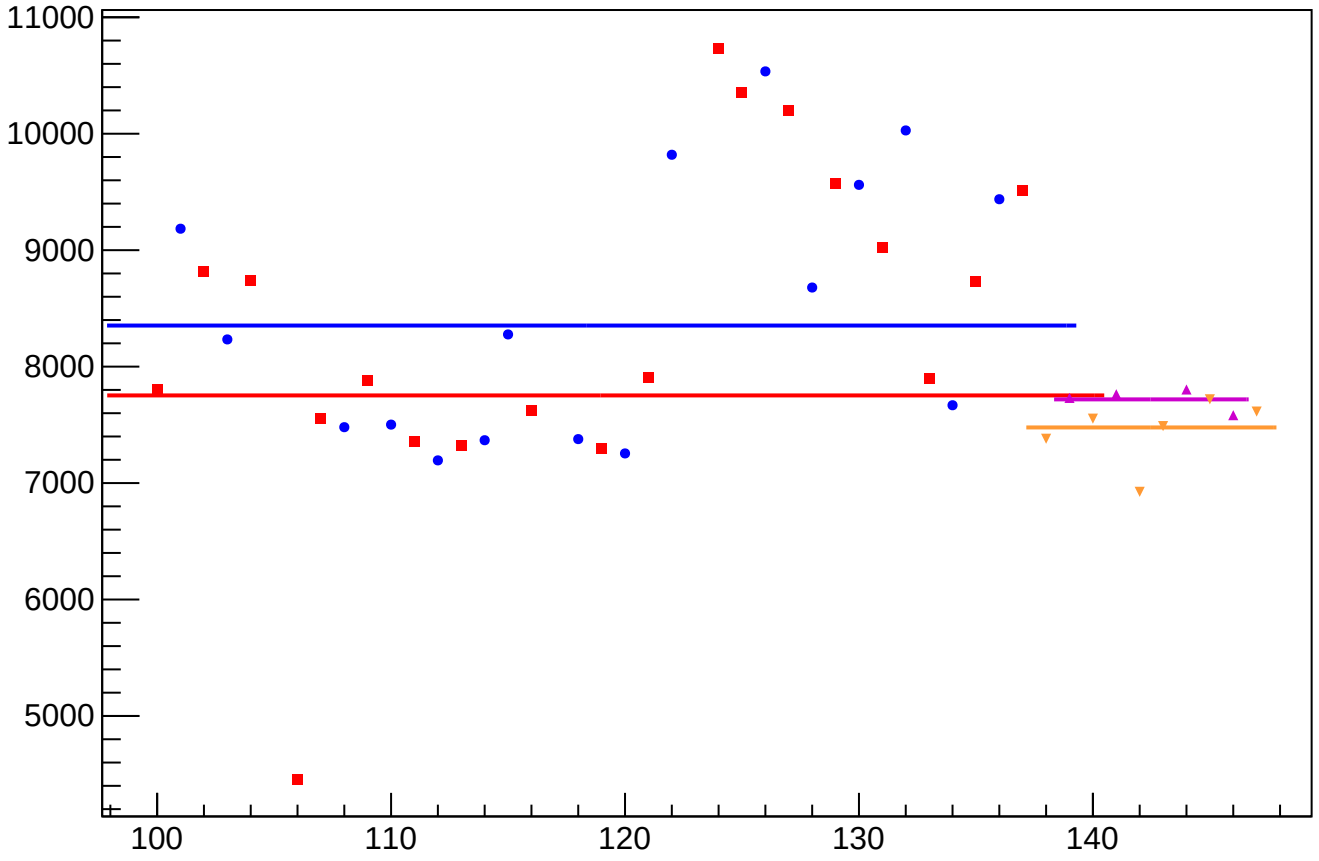
Left In: 16.723+/-4.139 χ^2/NDF:0.9/3

+ sign 12.726+/-2.346 χ^2/NDF: 82.0/21

All: 6.342+/-1.667 χ^2/NDF: 153.8/44

- sign -0.172+/-2.370 χ^2/NDF: 56.9/22

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7477.665+/-2.500 χ^2/NDF:8098.2/5

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

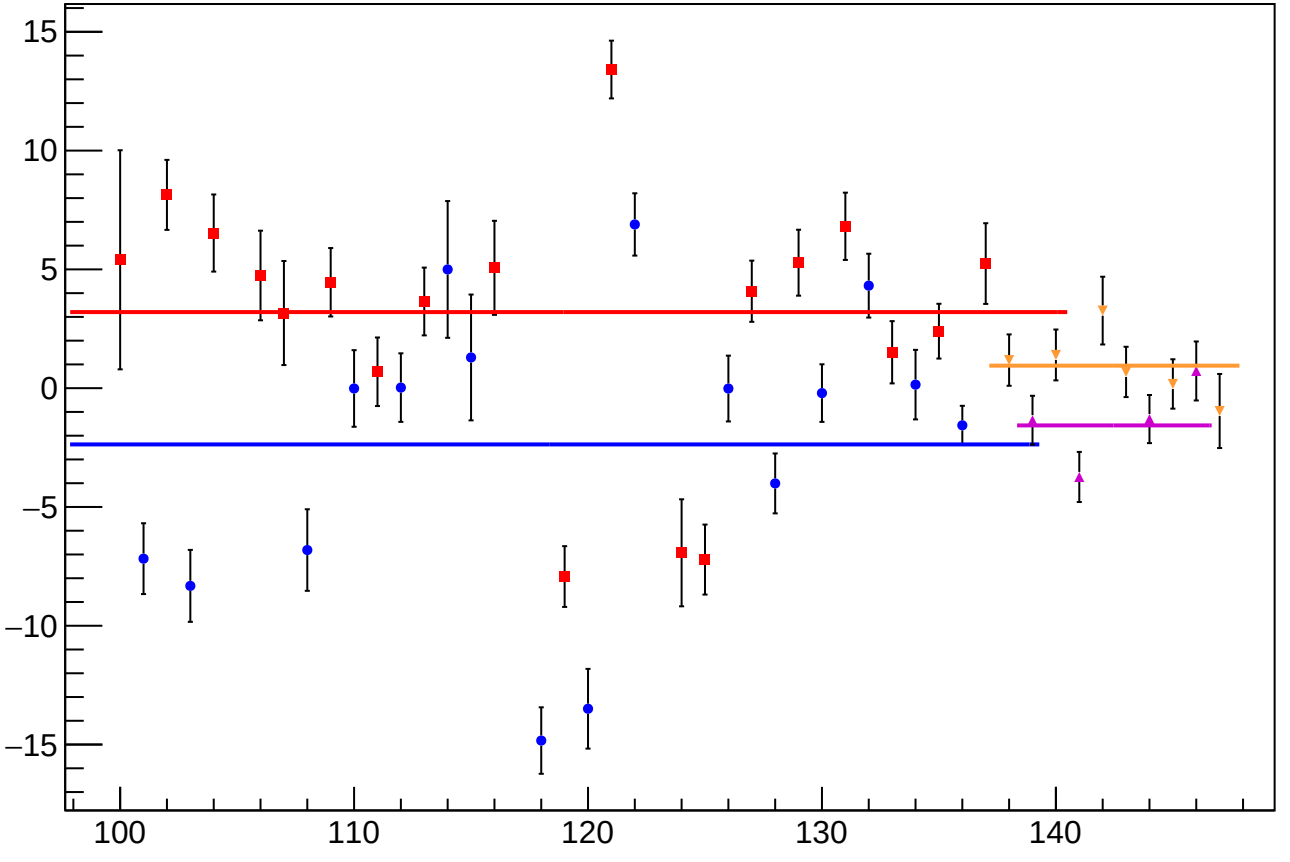
Left In: 7718.693+/-2.927 χ^2/NDF:833.2/3

+ sign 7967.452+/-1.659 χ^2/NDF: 297075.0/21

All: 7855.638+/-1.179 χ^2/NDF: 895248.6/44

- sign 7741.534+/-1.676 χ^2/NDF: 588995.9/22

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.948+/-0.474 χ^2/NDF:5.0/5

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

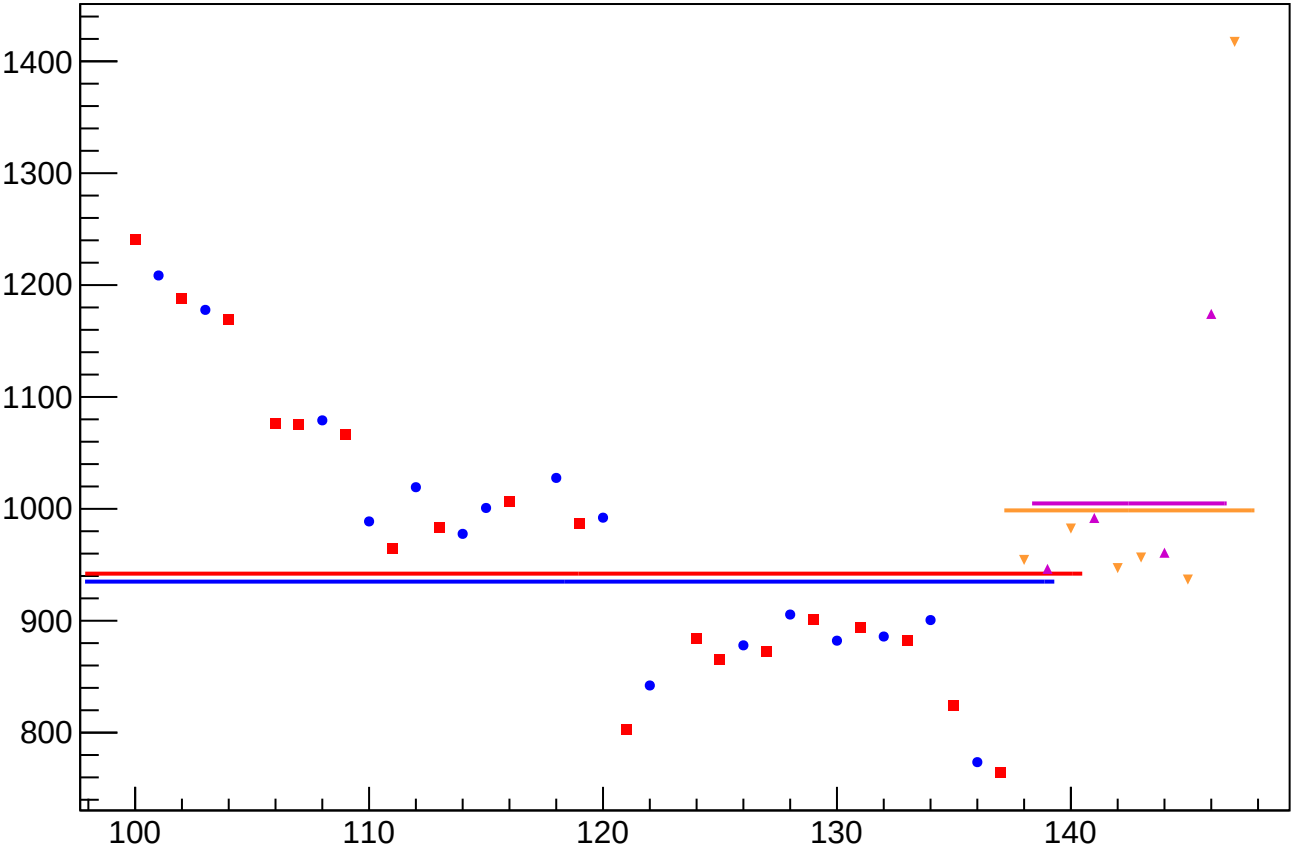
Left In: -1.567+/-0.537 χ^2/NDF:7.8/3

+ sign -1.196+/-0.282 χ^2/NDF: 292.2/21

All: 0.254+/-0.202 χ^2/NDF: 660.9/44

- sign 1.801+/-0.291 χ^2/NDF: 314.0/22

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 998.622+/-0.335 χ^2/NDF:160909.4/5

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

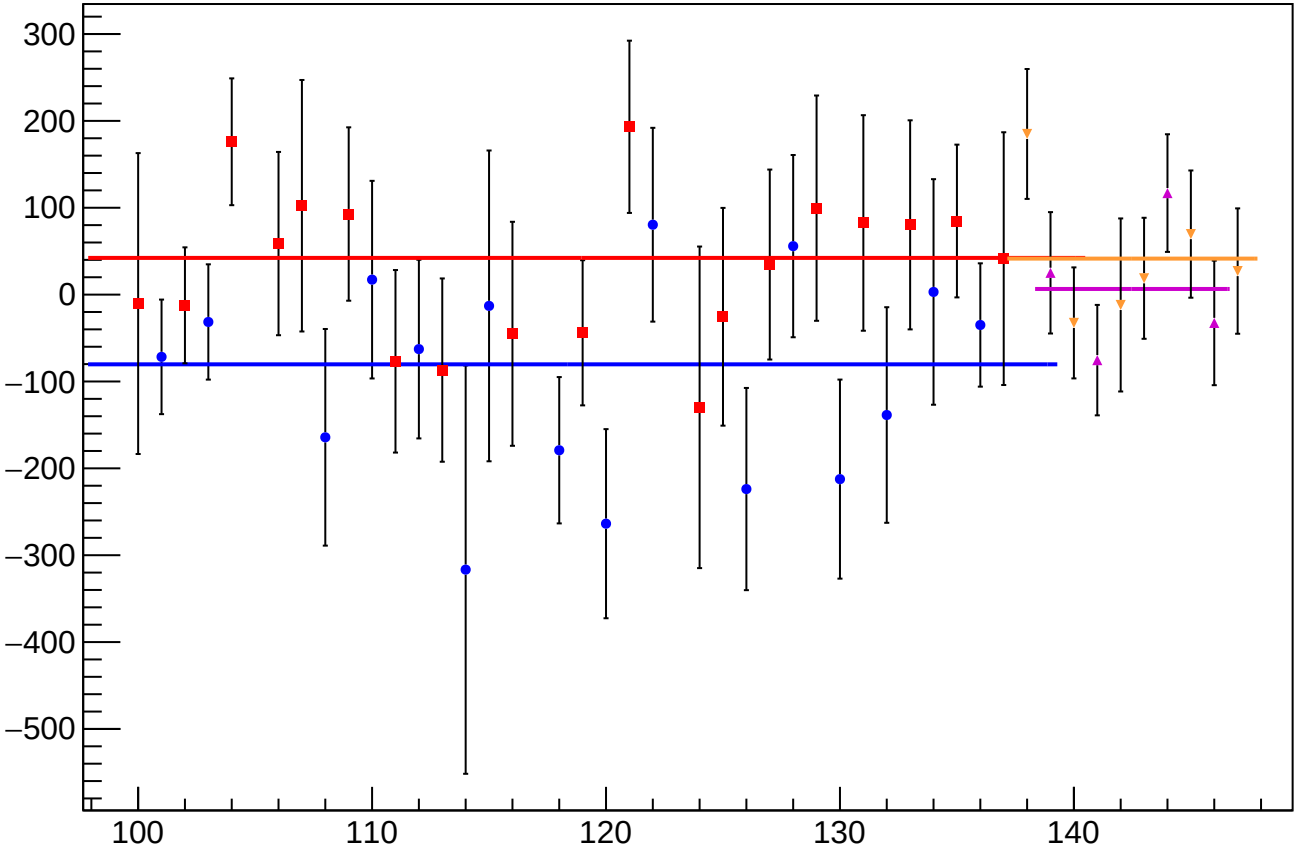
Left In: 1004.849+/-0.380 χ^2/NDF:47761.4/3

+ sign 957.465+/-0.199 χ^2/NDF: 438583.5/21

All: 958.948+/-0.143 χ^2/NDF: 738197.1/44

- sign 960.529+/-0.206 χ^2/NDF: 299499.2/22

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 41.459+/-30.028 χ^2/NDF:5.6/5

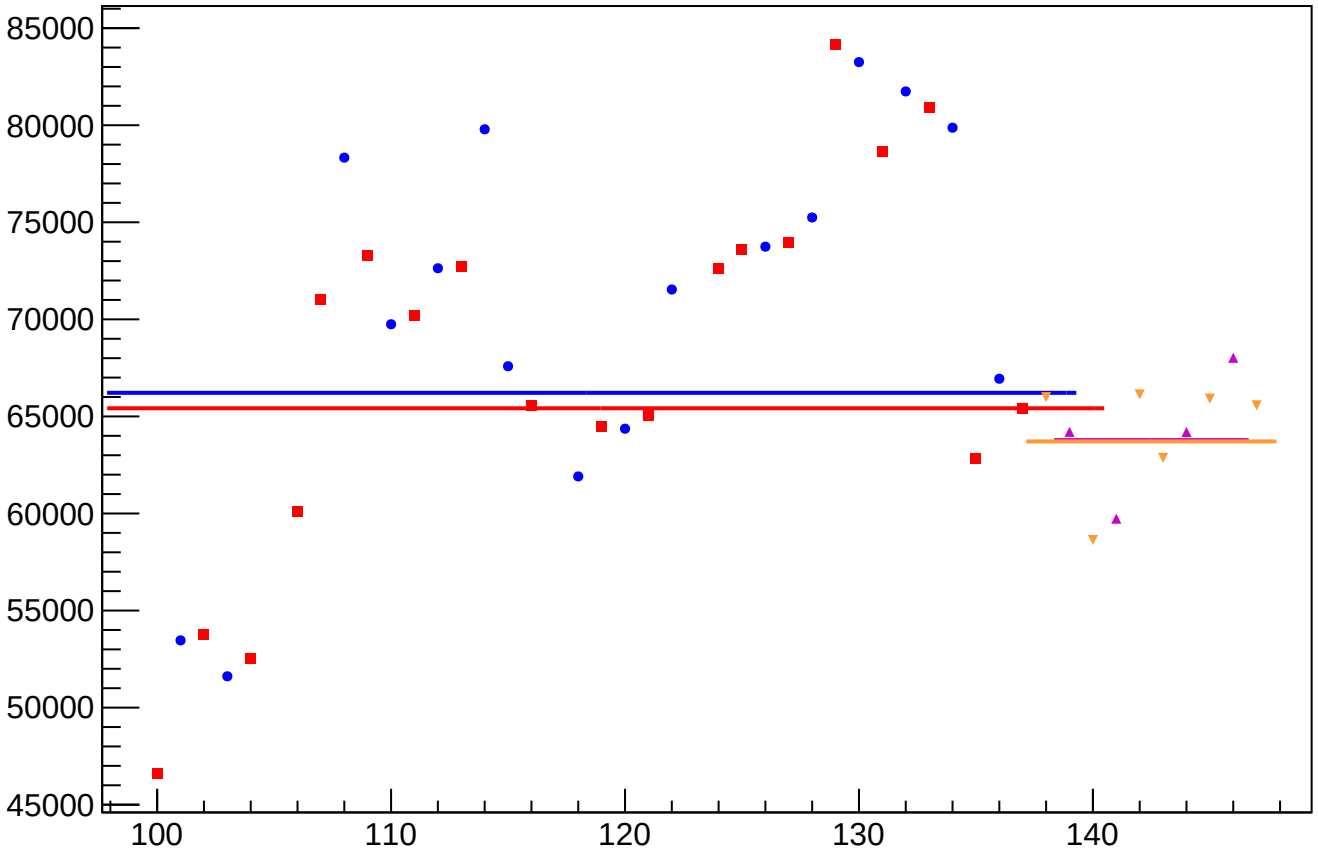
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 6.512+/-34.003 χ^2/NDF:4.7/3

+ sign -30.638+/-19.171 χ^2/NDF: 30.1/21

All: -0.987+/-13.735 χ^2/NDF: 53.5/44

- sign 30.280+/-19.686 χ^2/NDF: 18.4/22



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63712.630+/-21.233 χ^2/NDF:19114.9/5

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

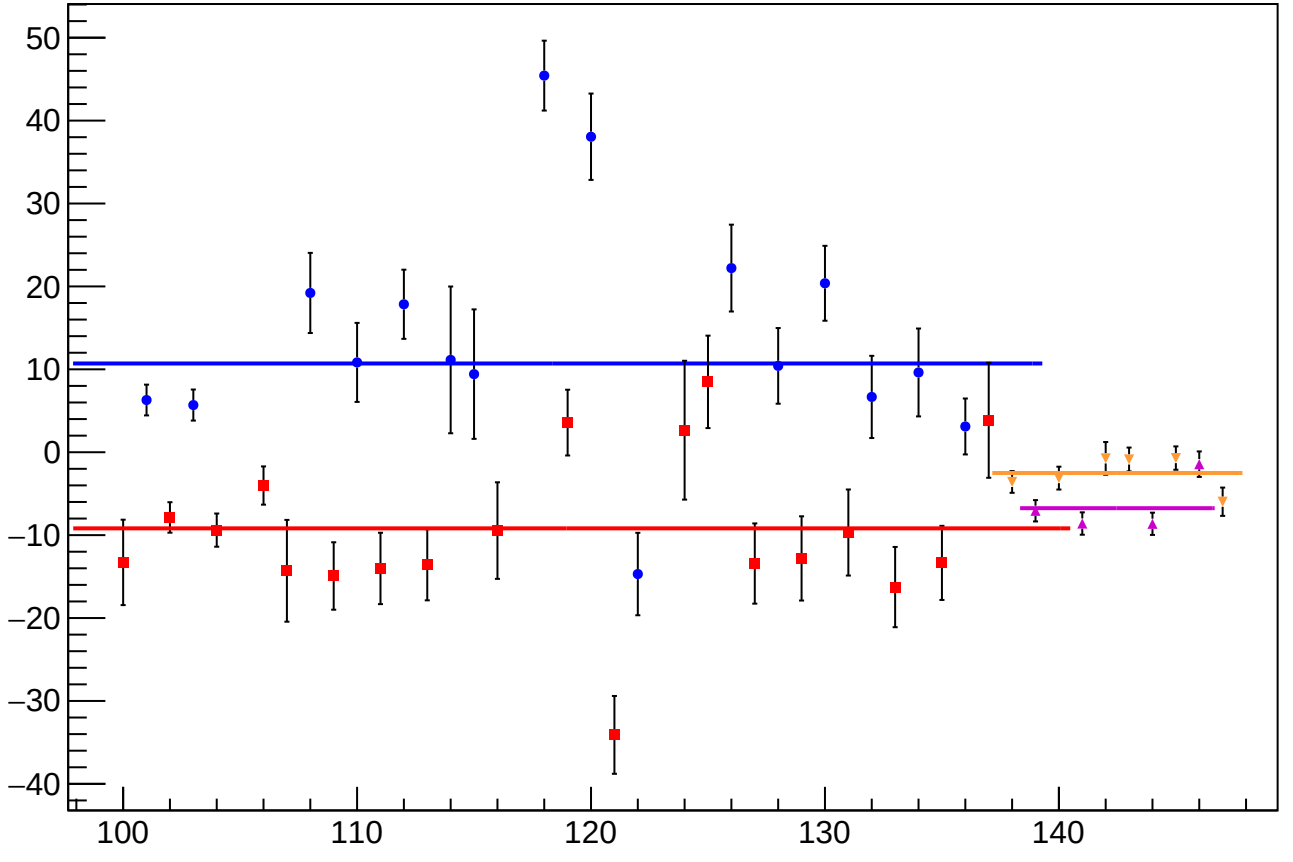
Left In: 63782.796+/-24.044 χ^2/NDF:15256.7/3

+ sign 65195.627+/-13.556 χ^2/NDF: 365727.6/21

All: 65037.251+/-9.712 χ^2/NDF: 688897.5/44

- sign 64870.250+/-13.920 χ^2/NDF: 322889.5/22

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.502+/-0.609 χ^2/NDF:8.7/5

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

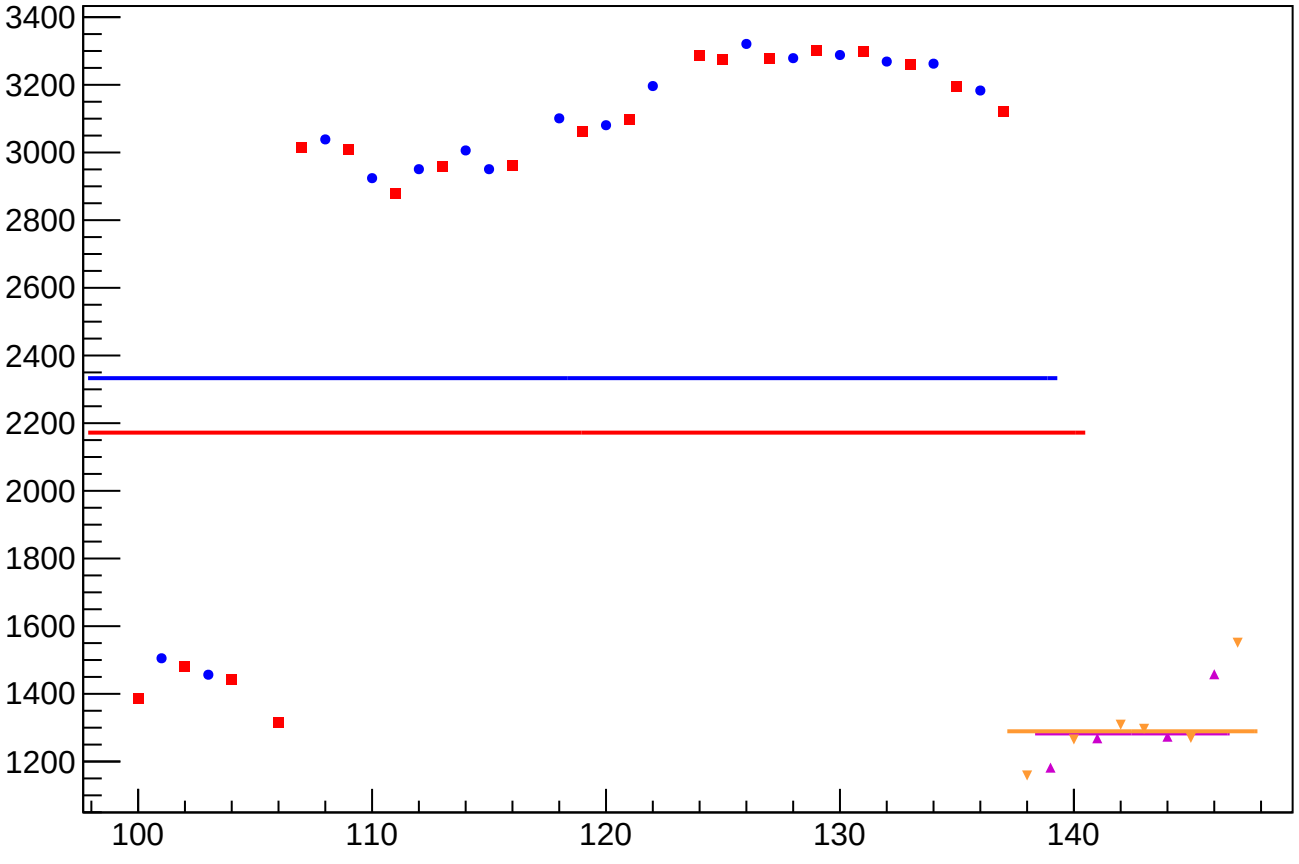
Left In: -6.750+/-0.685 χ^2/NDF:15.8/3

+ sign 1.519+/-0.508 χ^2/NDF: 307.4/21

All: -2.869+/-0.368 χ^2/NDF: 554.7/44

- sign -7.707+/-0.533 χ^2/NDF: 90.4/22

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1289.332+/-0.431 χ^2/NDF:68137.1/5

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

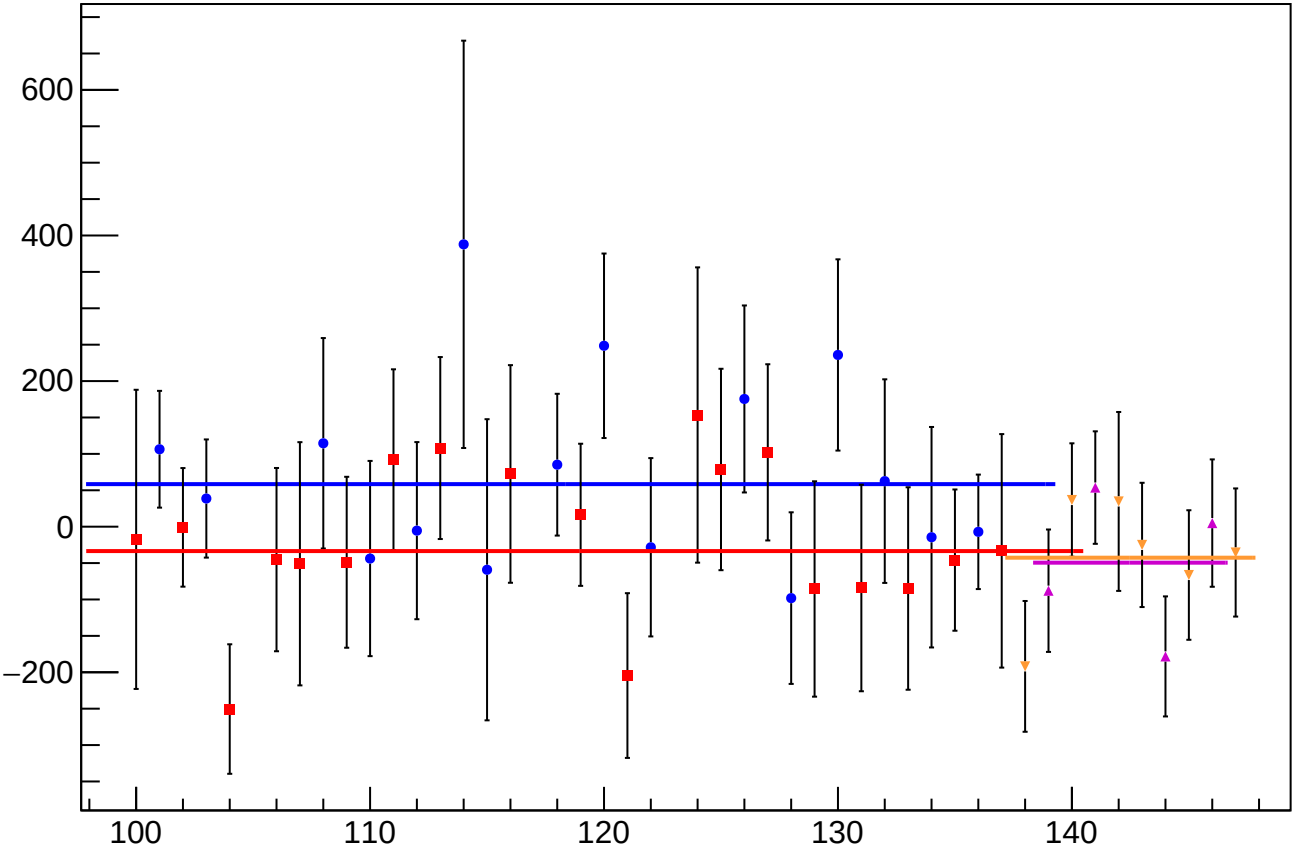
Left In: 1282.967+/-0.484 χ^2/NDF:38571.2/3

+ sign 1607.101+/-0.359 χ^2/NDF: 3507658.6/21

All: 1619.400+/-0.260 χ^2/NDF: 6859204.7/44

- sign 1632.962+/-0.377 χ^2/NDF: 3349080.7/22

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -42.605+/-36.571 χ^2/NDF:4.3/5

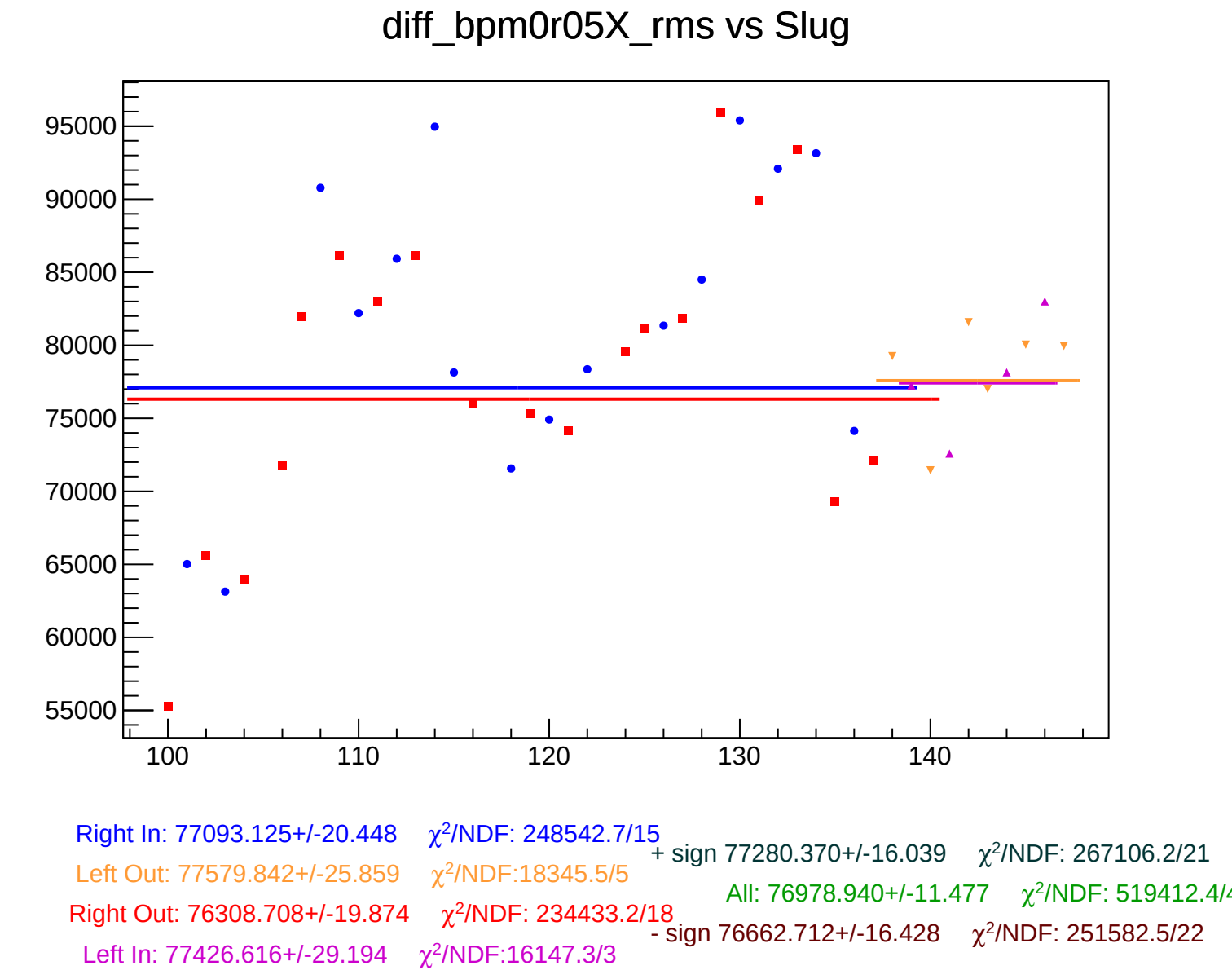
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -49.451+/-41.287 χ^2/NDF:4.8/3

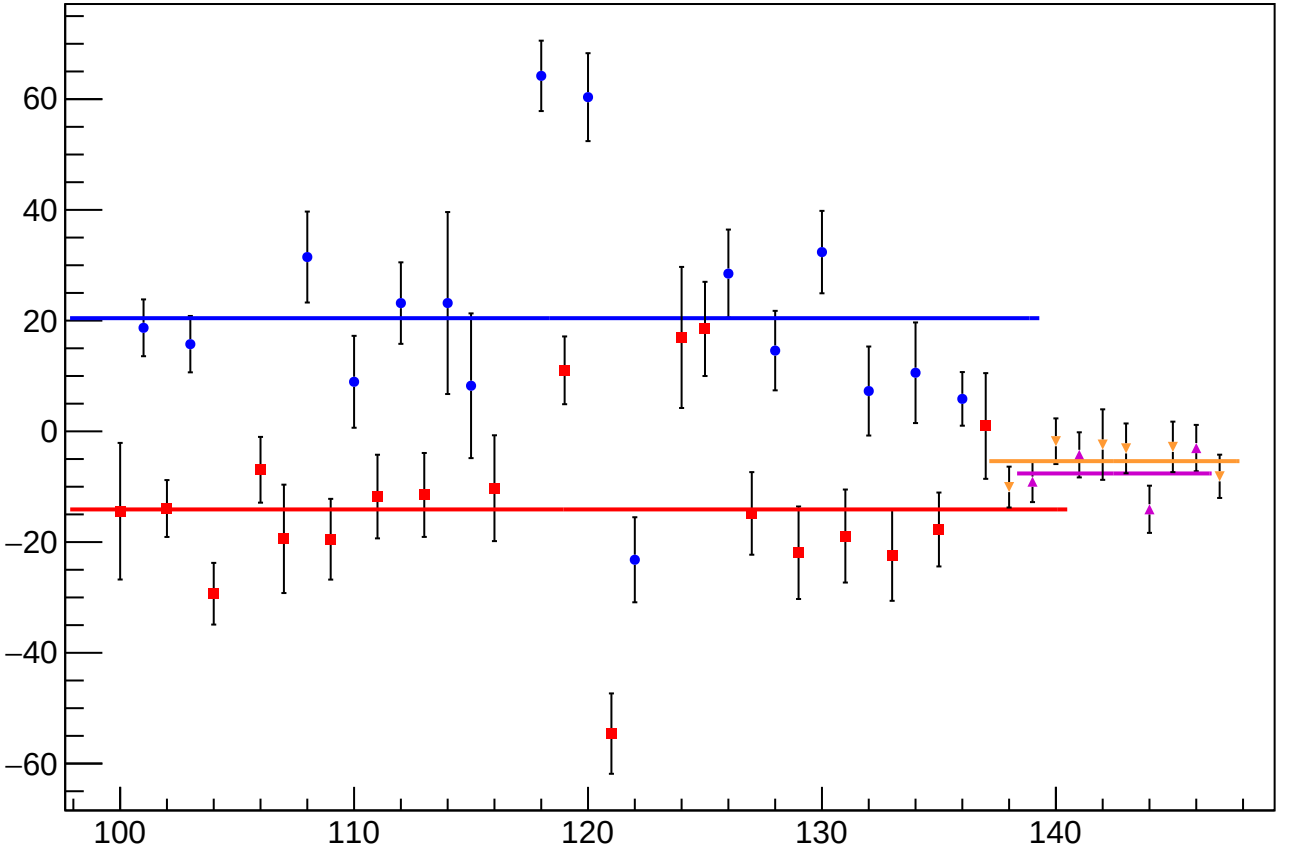
+ sign 19.571+/-22.683 χ^2/NDF: 20.3/21

All: -8.801+/-16.230 χ^2/NDF: 43.1/44

- sign -38.565+/-23.233 χ^2/NDF: 19.6/22


diff_bpm0r05X_rms vs Slug
95000
90000
85000
80000
75000
70000
65000
60000
55000
100
110
120
130
140
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 77579.842+/-25.859 χ²/NDF:18345.5/5
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 77426.616+/-29.194 χ²/NDF:16147.3/3
+ sign 77280.370+/-16.039 χ²/NDF: 267106.2/21
All: 76978.940+/-11.477 χ²/NDF: 519412.4/4
- sign 76662.712+/-16.428 χ²/NDF: 251582.5/22

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.382+/-1.768 χ^2/NDF:3.7/5

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

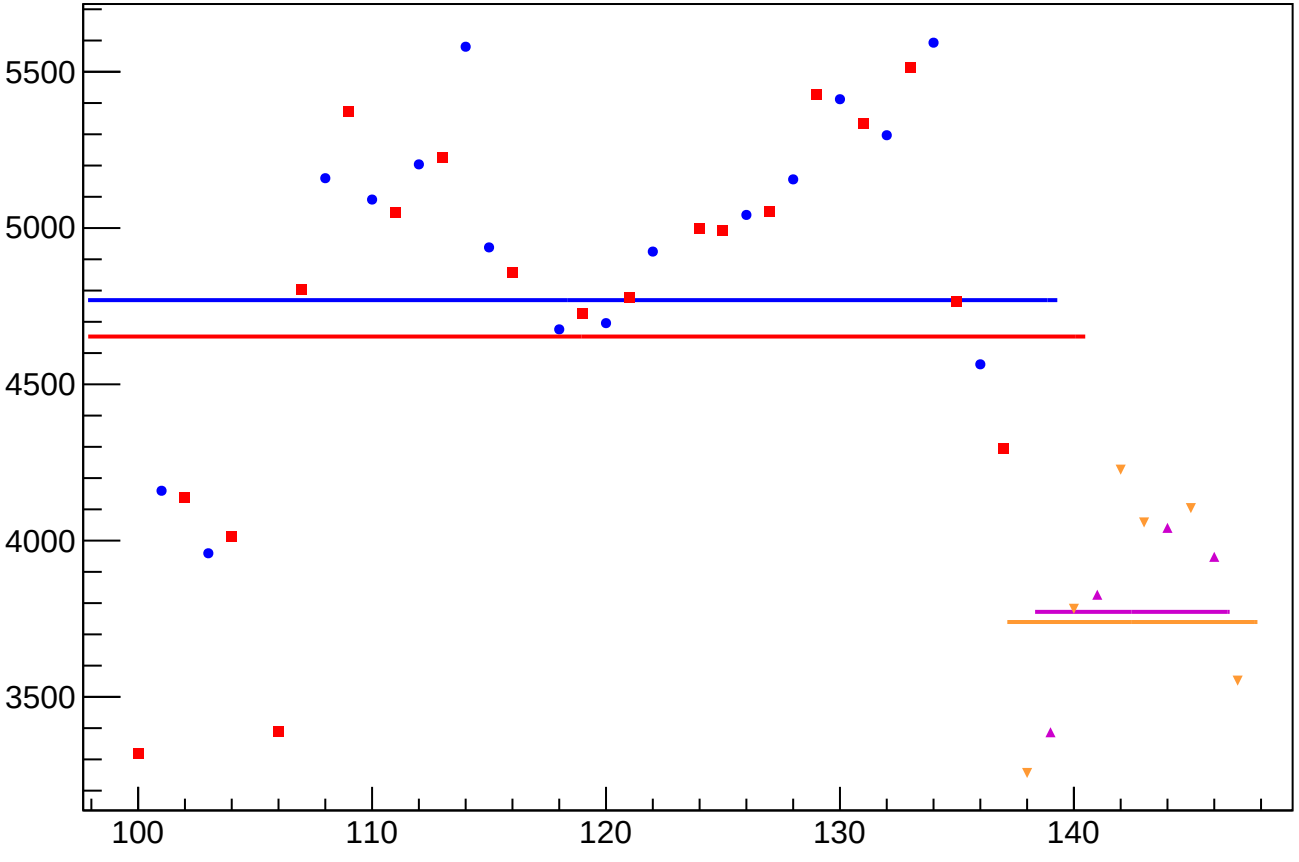
Left In: -7.605+/-2.019 χ^2/NDF:4.3/3

+ sign 7.429+/-1.255 χ^2/NDF: 237.3/21

All: -1.600+/-0.905 χ^2/NDF: 439.3/44

- sign -11.381+/-1.306 χ^2/NDF: 94.1/22

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3739.568+/-1.250 χ^2/NDF:73596.6/5

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

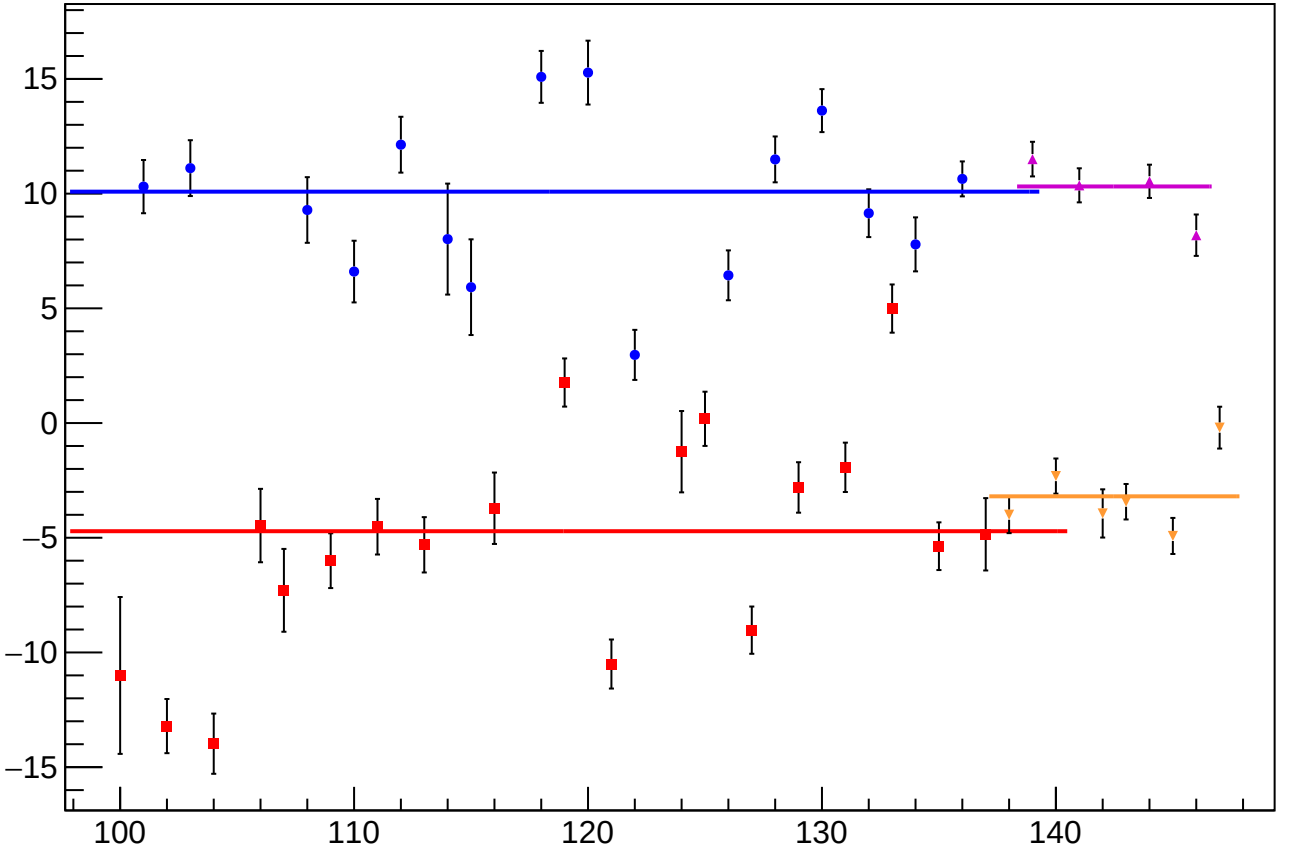
Left In: 3772.034+/-1.427 χ^2/NDF:33540.9/3

+ sign 4250.470+/-0.888 χ^2/NDF: 561846.1/21

All: 4266.553+/-0.640 χ^2/NDF: 1082553.0/44

- sign 4283.975+/-0.924 χ^2/NDF: 520022.9/22

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.195+/-0.340 χ^2/NDF:18.5/5

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

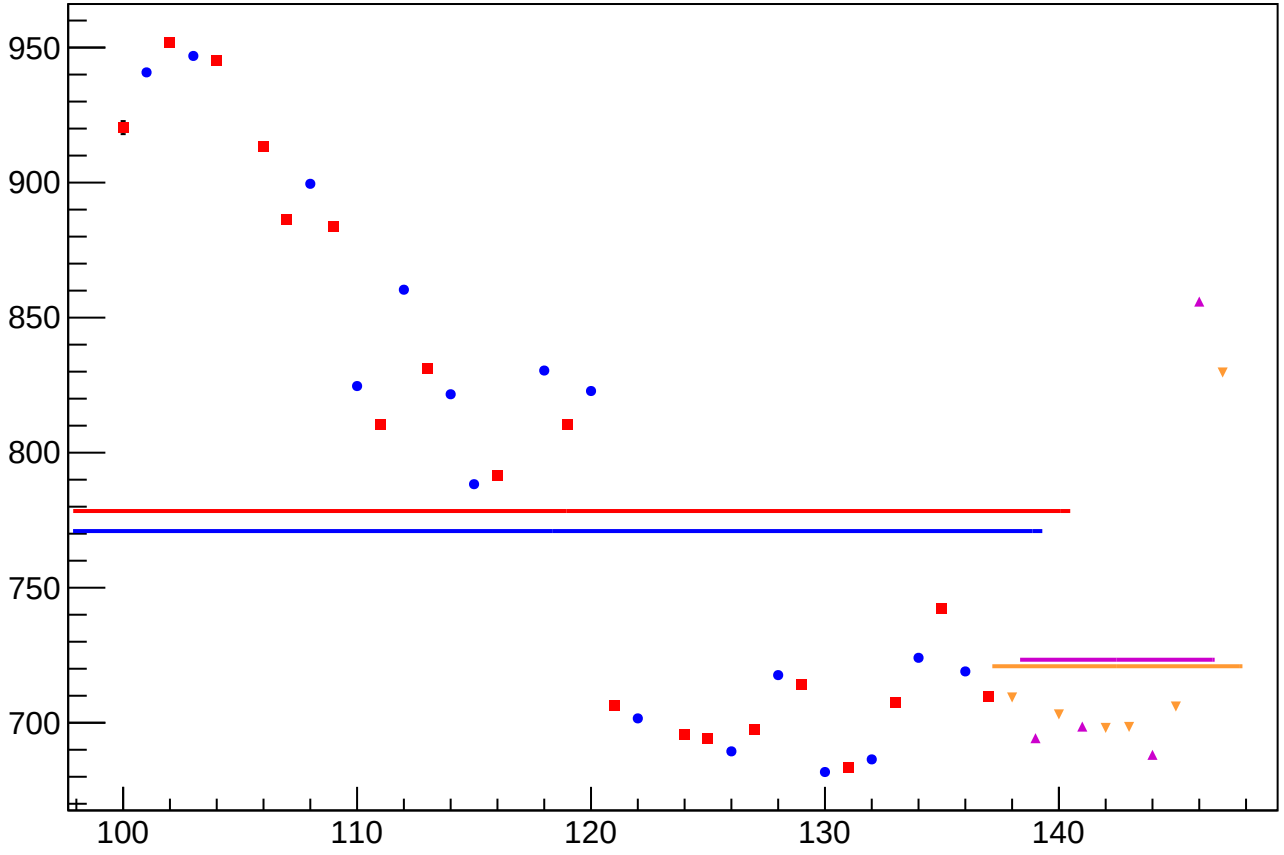
Left In: 10.313+/-0.386 χ^2/NDF:8.1/3

+ sign 4.530+/-0.220 χ^2/NDF: 1029.9/21

All: 2.650+/-0.159 χ^2/NDF: 2479.0/44

- sign 0.599+/-0.230 χ^2/NDF: 1296.4/22

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 720.920+/-0.240 χ^2/NDF:33281.2/5

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

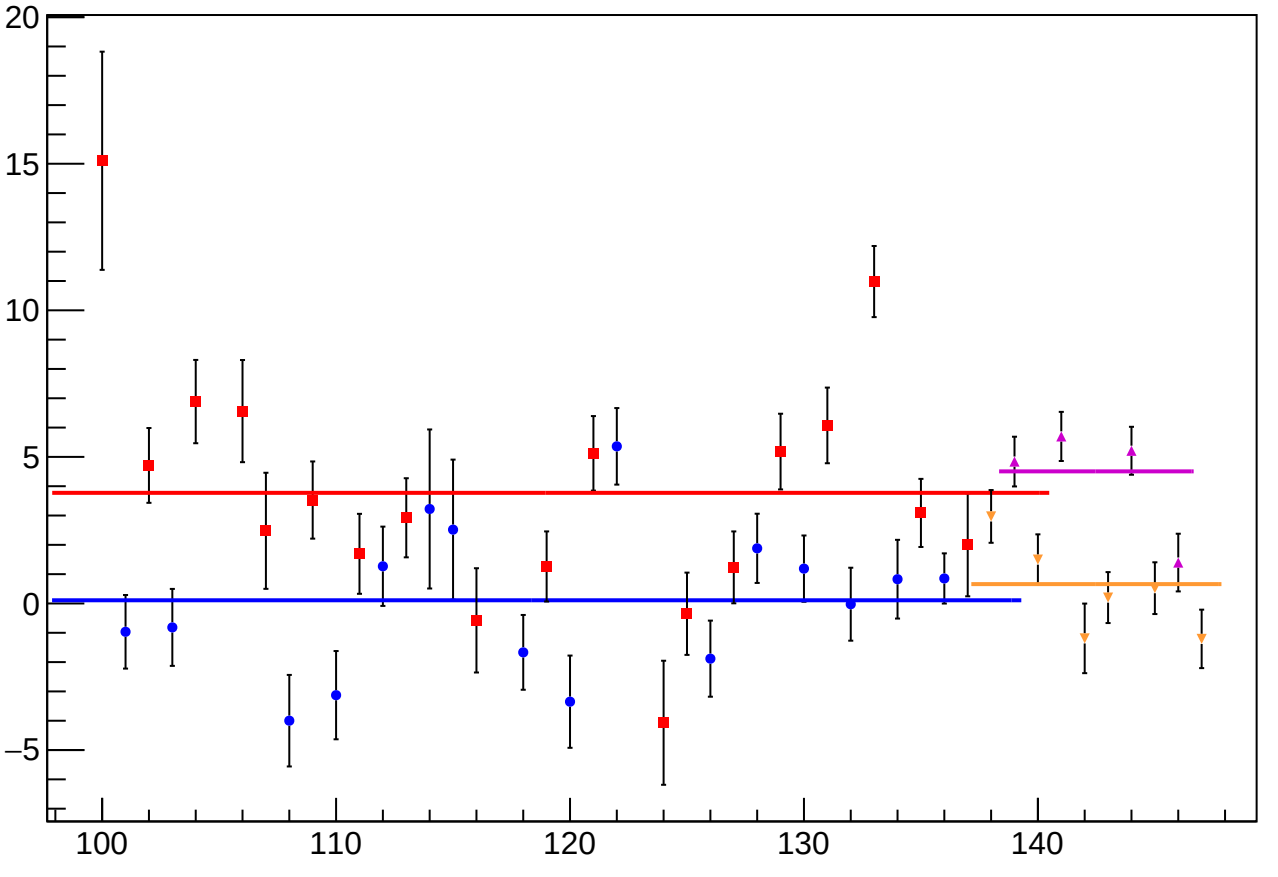
Left In: 723.335+/-0.273 χ^2/NDF:53087.3/3

\+ sign 750.031+/-0.156 χ^2/NDF: 251403.3/21

All: 754.283+/-0.112 χ^2/NDF: 528853.8/44

\- sign 758.924+/-0.162 χ^2/NDF: 275886.6/22

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.660+/-0.381 χ^2/NDF:13.8/5

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

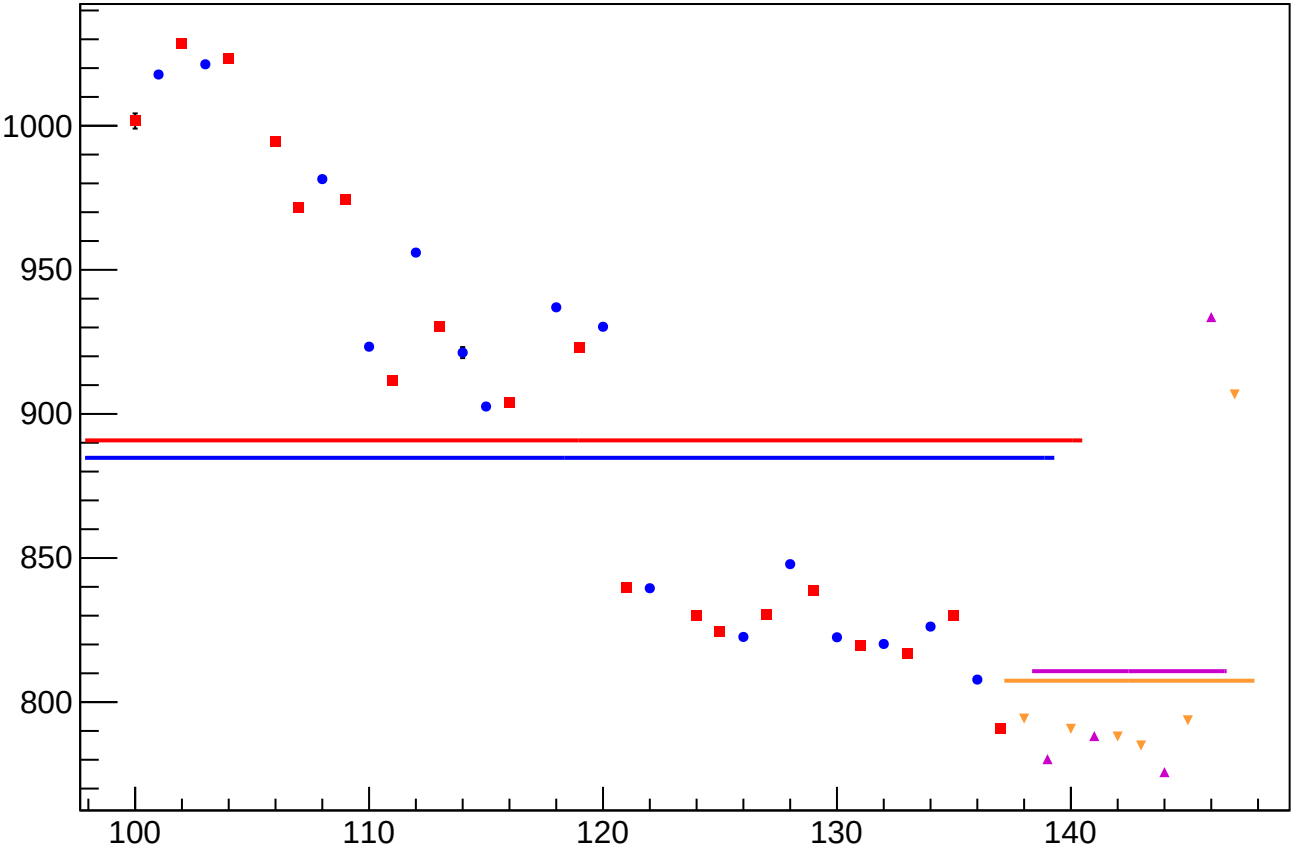
Left In: 4.506+/-0.433 χ^2/NDF:12.9/3

+ sign 0.346+/-0.249 χ^2/NDF: 60.3/21

All: 2.112+/-0.180 χ^2/NDF: 279.6/44

- sign 4.039+/-0.260 χ^2/NDF: 114.3/22

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 807.429+/-0.269 χ^2/NDF:23388.4/5

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

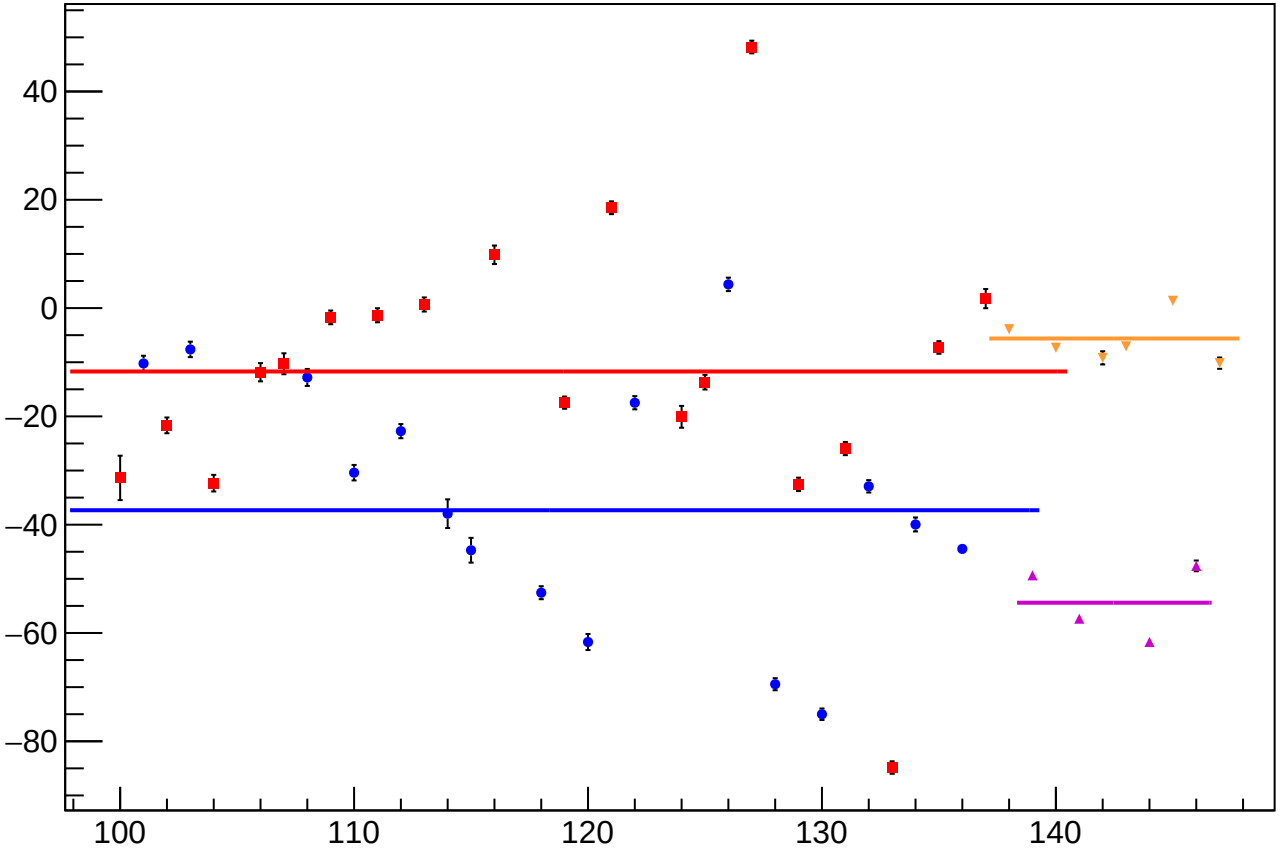
Left In: 810.738+/-0.306 χ^2/NDF:38896.0/3

+ sign 851.582+/-0.176 χ^2/NDF: 175056.6/21

All: 856.470+/-0.127 χ^2/NDF: 367026.6/44

- sign 861.804+/-0.184 χ^2/NDF: 190361.6/22

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -5.616+/-0.389 χ^2/NDF:96.3/5

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

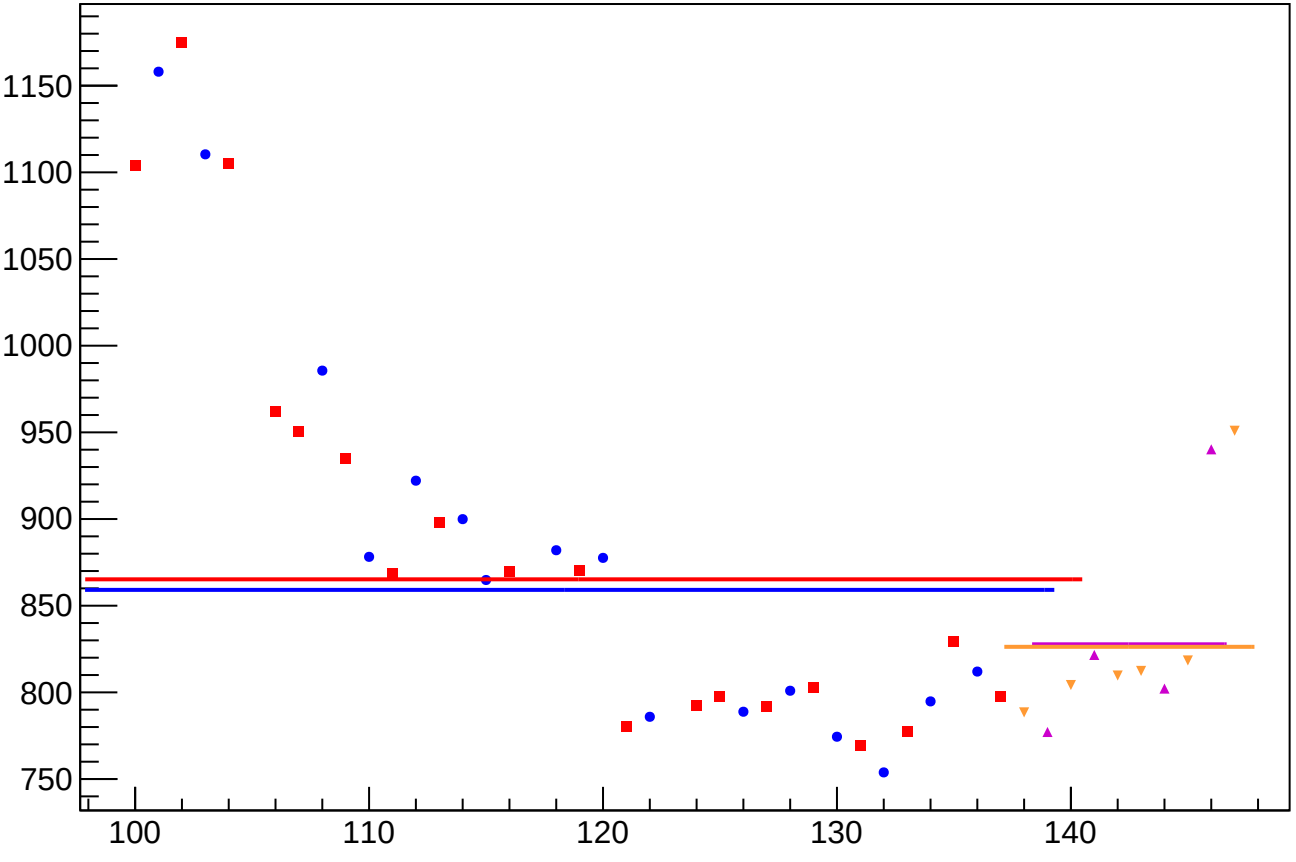
Left In: -54.408+/-0.441 χ^2/NDF:167.8/3

+ sign -24.467+/-0.248 χ^2/NDF: 9221.9/21

All: -25.342+/-0.179 χ^2/NDF: 24040.4/44

- sign -26.289+/-0.258 χ^2/NDF: 14792.6/22

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 826.276+/-0.275 χ^2/NDF:34278.2/5

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

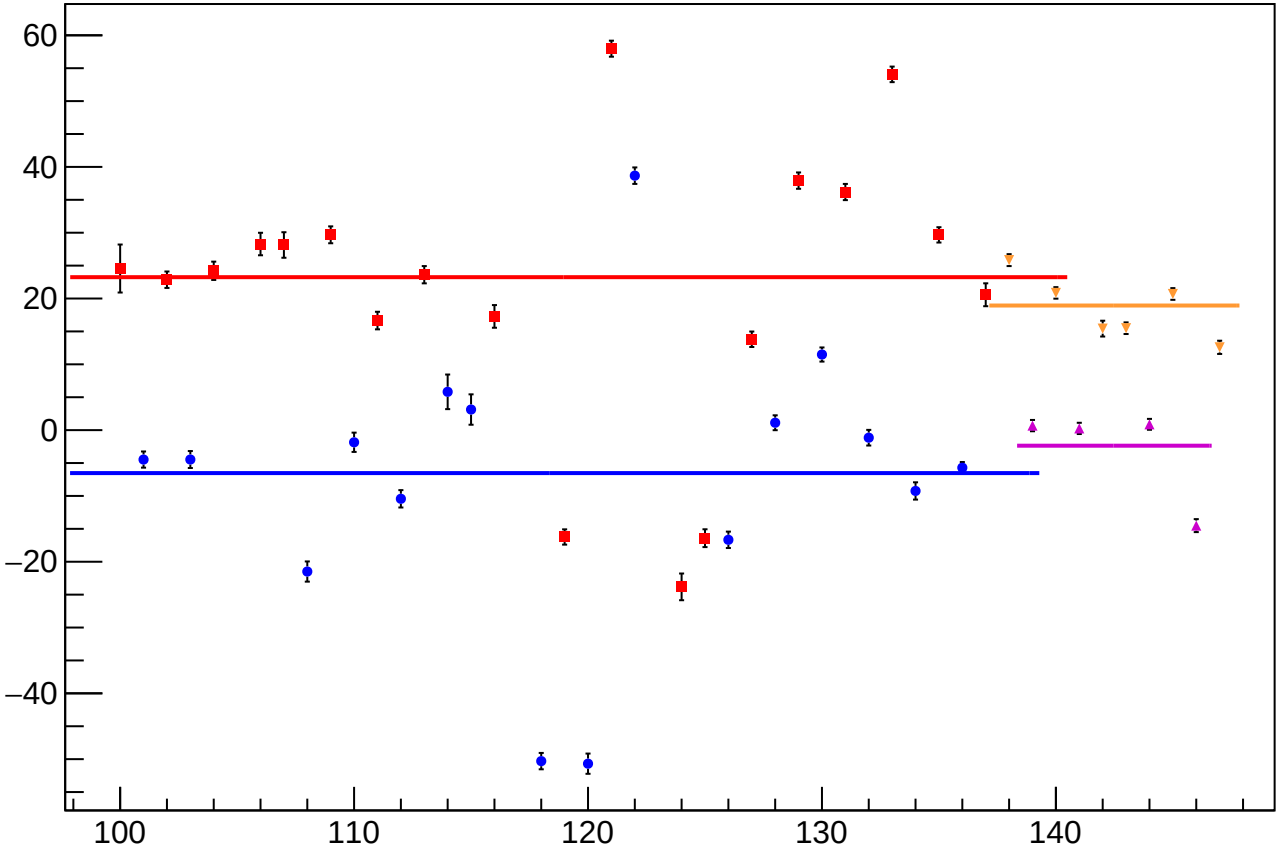
Left In: 827.725+/-0.312 χ^2/NDF:34886.6/3

\+ sign 845.803+/-0.175 χ^2/NDF: 271444.3/21

All: 848.977+/-0.126 χ^2/NDF: 540179.0/44

\- sign 852.411+/-0.182 χ^2/NDF: 268052.8/22

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.936+/-0.385 χ^2/NDF:130.2/5

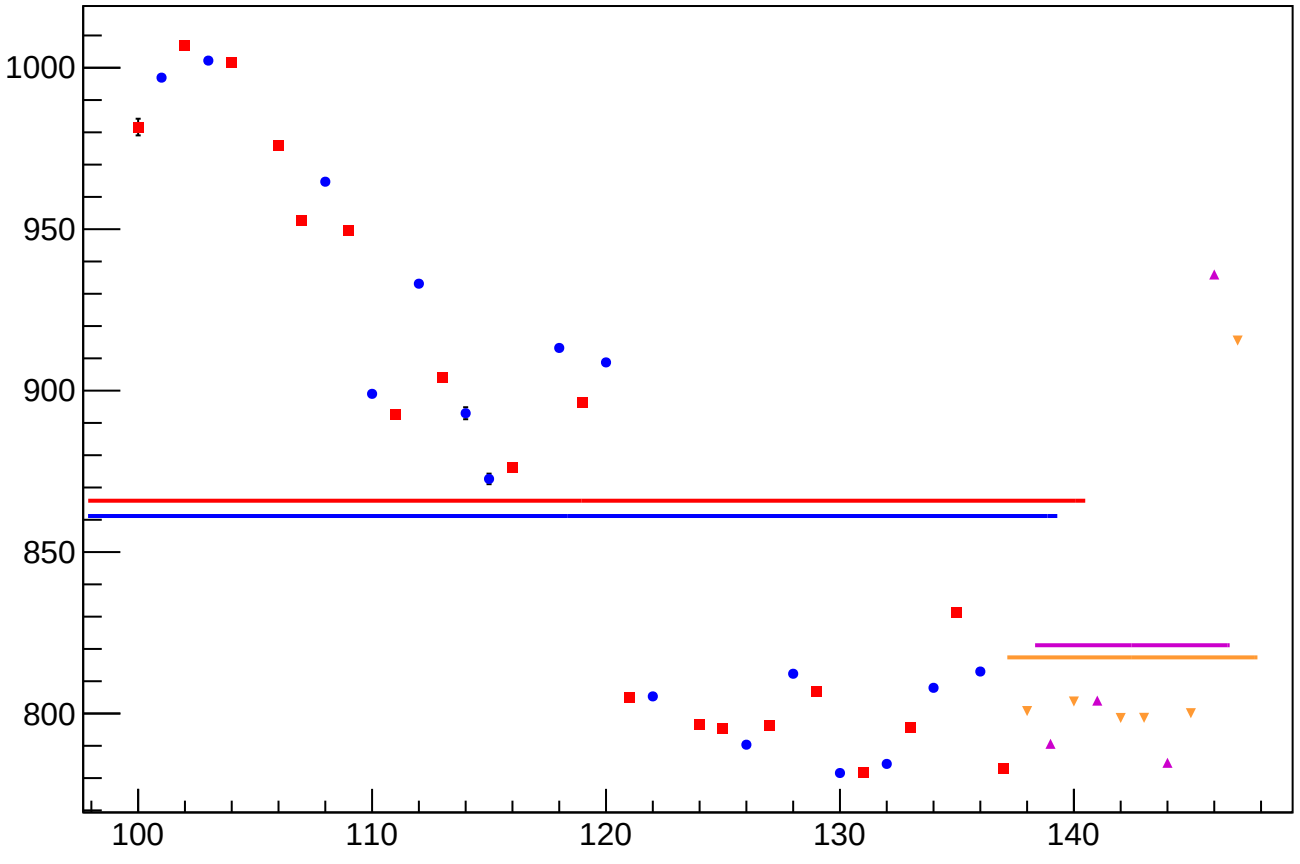
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -2.366+/-0.438 χ^2/NDF:189.1/3

+ sign 3.918+/-0.247 χ^2/NDF: 6654.8/21

All: 8.966+/-0.178 χ^2/NDF: 14430.5/44

- sign 14.439+/-0.257 χ^2/NDF: 6902.7/22



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 817.384+/-0.272 χ^2/NDF:22305.8/5

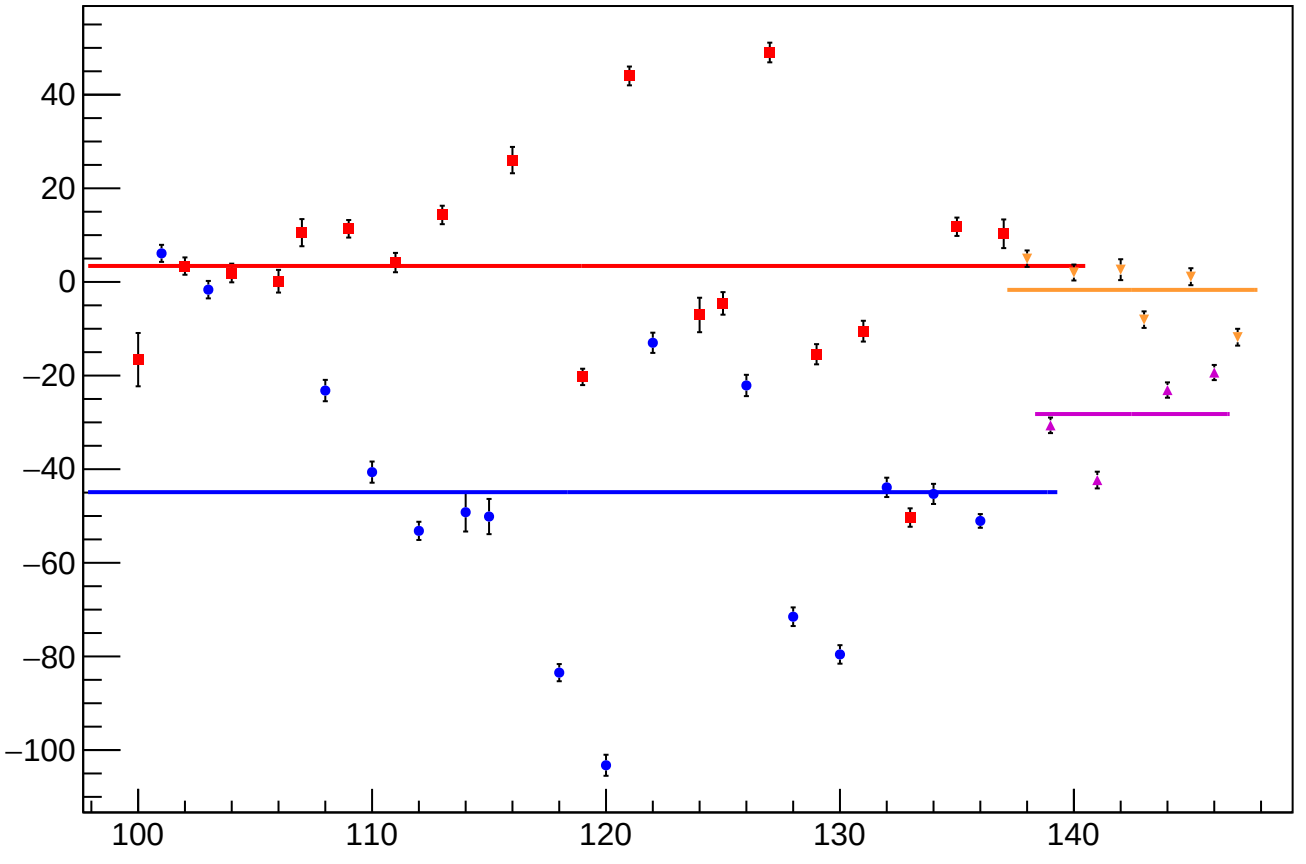
Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 821.145+/-0.310 χ^2/NDF:34308.4/3

+ sign 843.208+/-0.174 χ^2/NDF: 151082.1/21

All: 846.715+/-0.126 χ^2/NDF: 318359.9/44

- sign 850.517+/-0.182 χ^2/NDF: 166435.1/22



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.695+/-0.744 χ^2/NDF:69.9/5

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

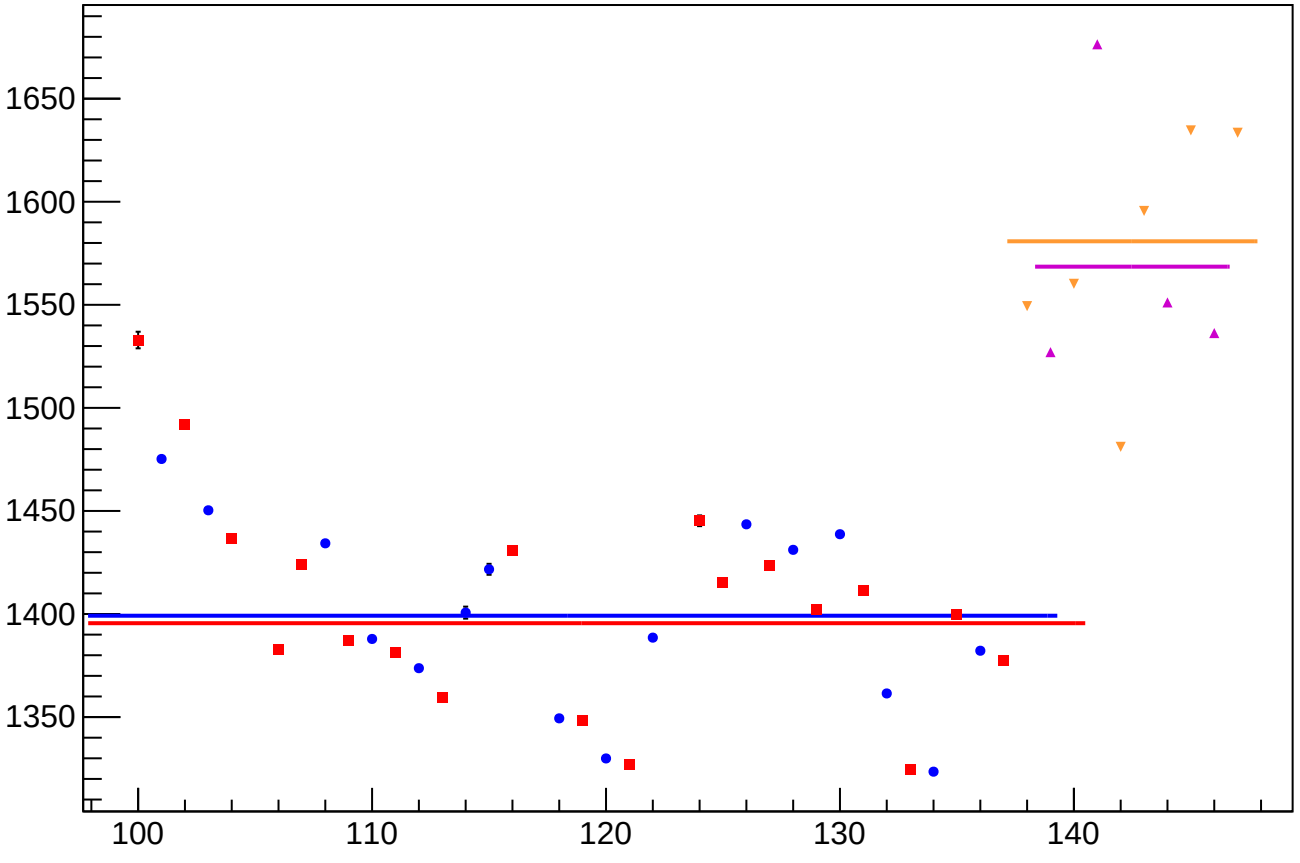
Left In: -28.218+/-0.836 χ^2/NDF:104.1/3

+ sign -30.736+/-0.426 χ^2/NDF: 5712.7/21

All: -18.195+/-0.304 χ^2/NDF: 10729.9/44

- sign -5.140+/-0.435 χ^2/NDF: 3250.3/22

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1580.814+/-0.526 χ^2/NDF:8547.3/5

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

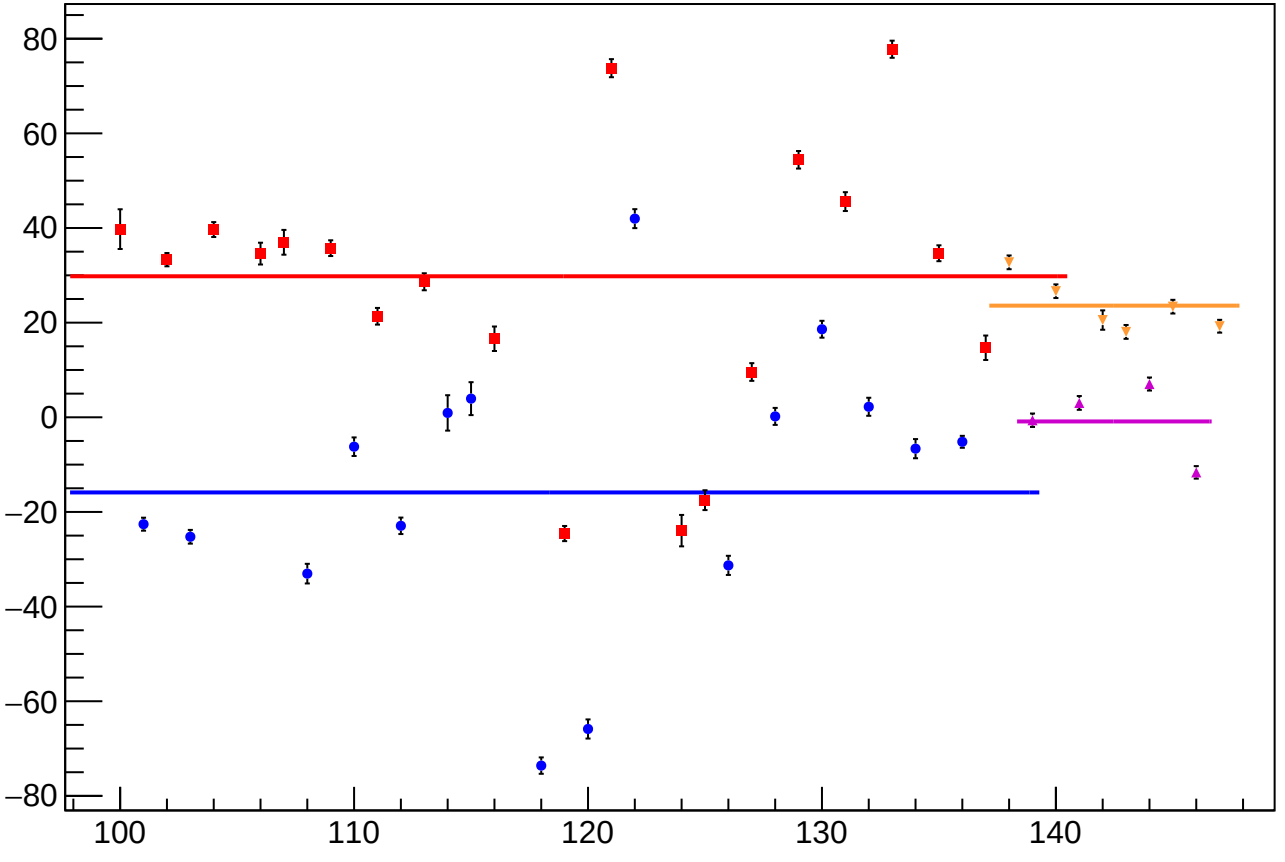
Left In: 1568.508+/-0.591 χ^2/NDF:9551.6/3

+ sign 1458.734+/-0.301 χ^2/NDF: 103445.2/21

All: 1450.695+/-0.215 χ^2/NDF: 193111.2/44

- sign 1442.325+/-0.308 χ^2/NDF: 88213.6/22

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.595+/-0.611 χ^2/NDF:71.0/5

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

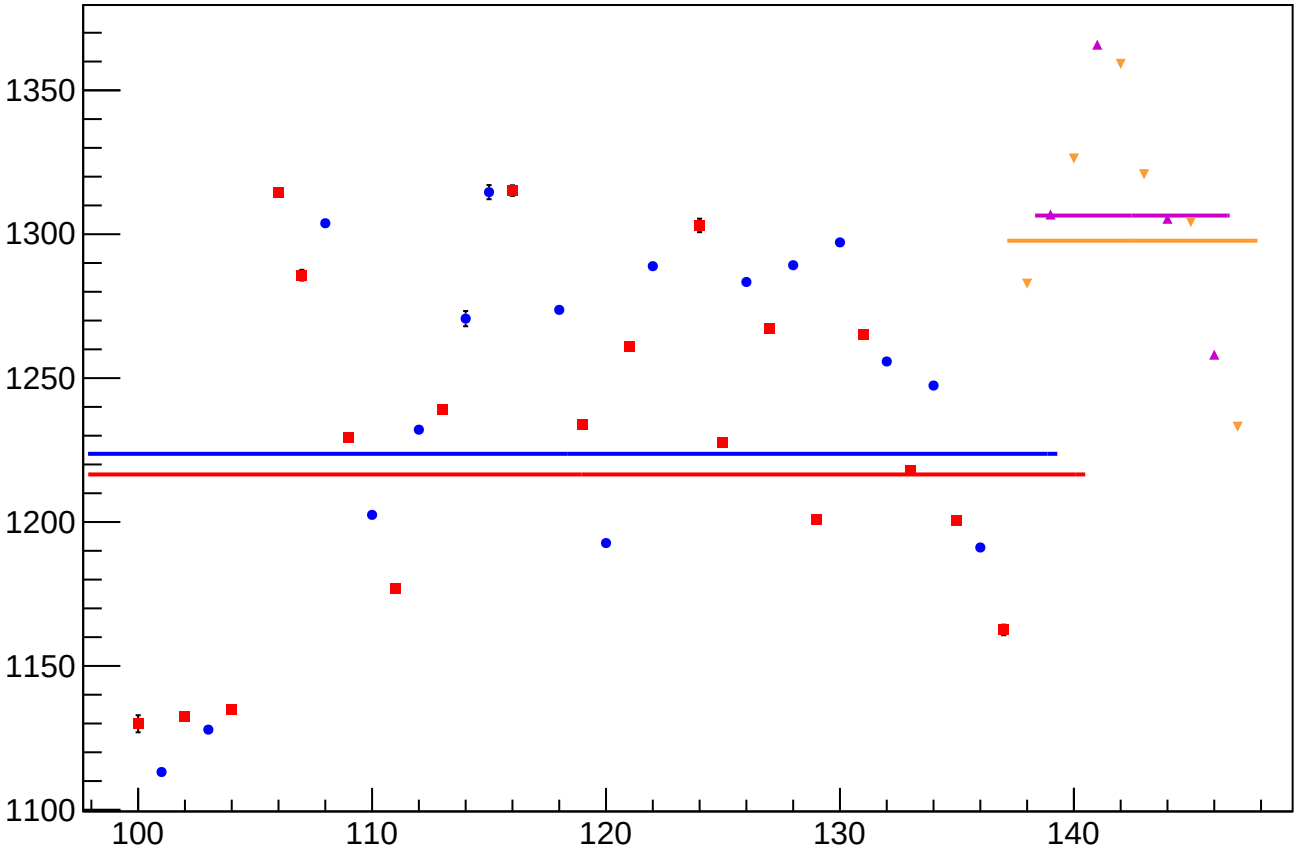
Left In: -0.877+/-0.696 χ^2/NDF:106.1/3

+ sign -1.790+/-0.365 χ^2/NDF: 6232.0/21

All: 9.275+/-0.261 χ^2/NDF: 13284.2/44

- sign 20.925+/-0.375 χ^2/NDF: 5166.3/22

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1297.742+/-0.432 χ^2/NDF:7873.1/5

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

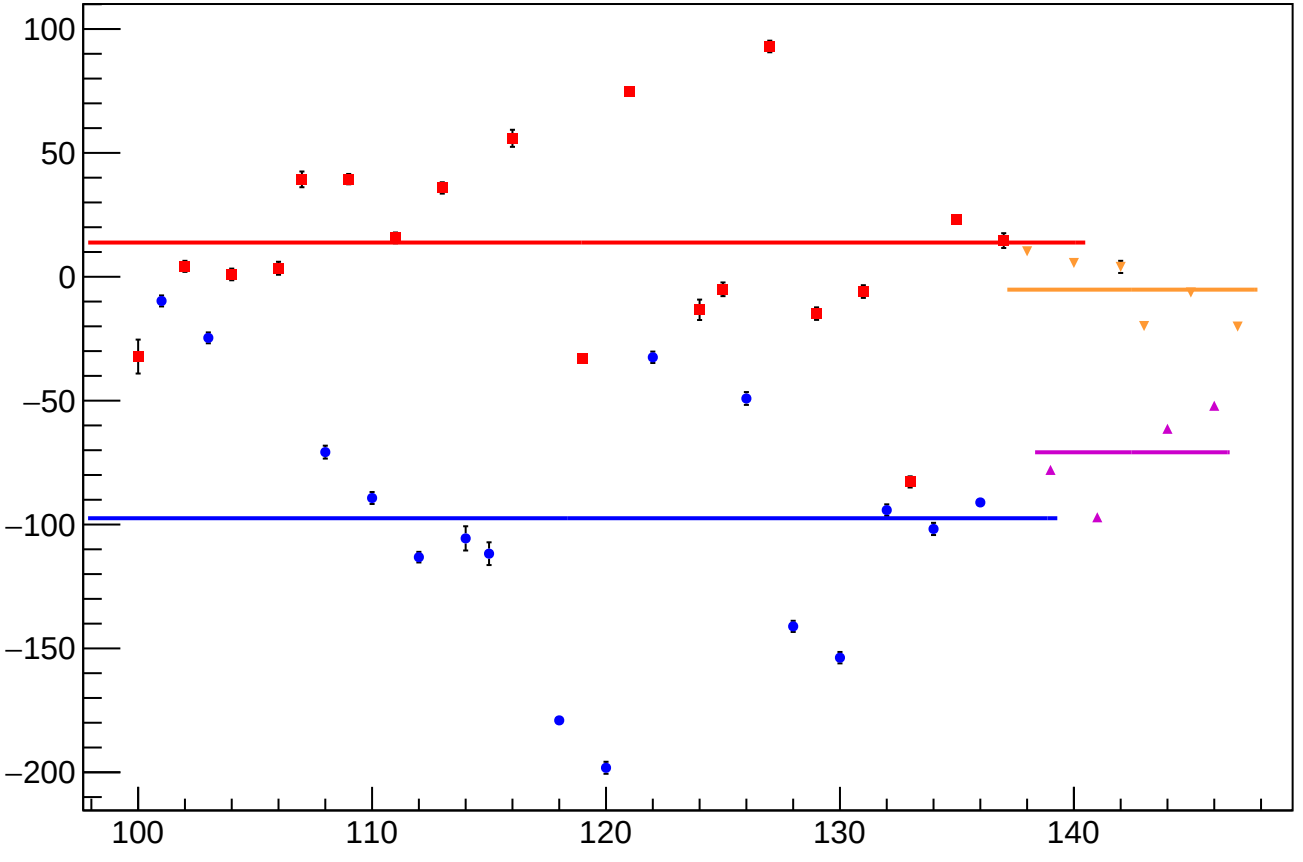
Left In: 1306.483+/-0.492 χ^2/NDF:5978.0/3

+ sign 1250.127+/-0.258 χ^2/NDF: 67638.4/21

All: 1246.439+/-0.185 χ^2/NDF: 127126.1/44

- sign 1242.556+/-0.265 χ^2/NDF: 59068.6/22

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.193+/-0.764 χ^2/NDF:259.9/5

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

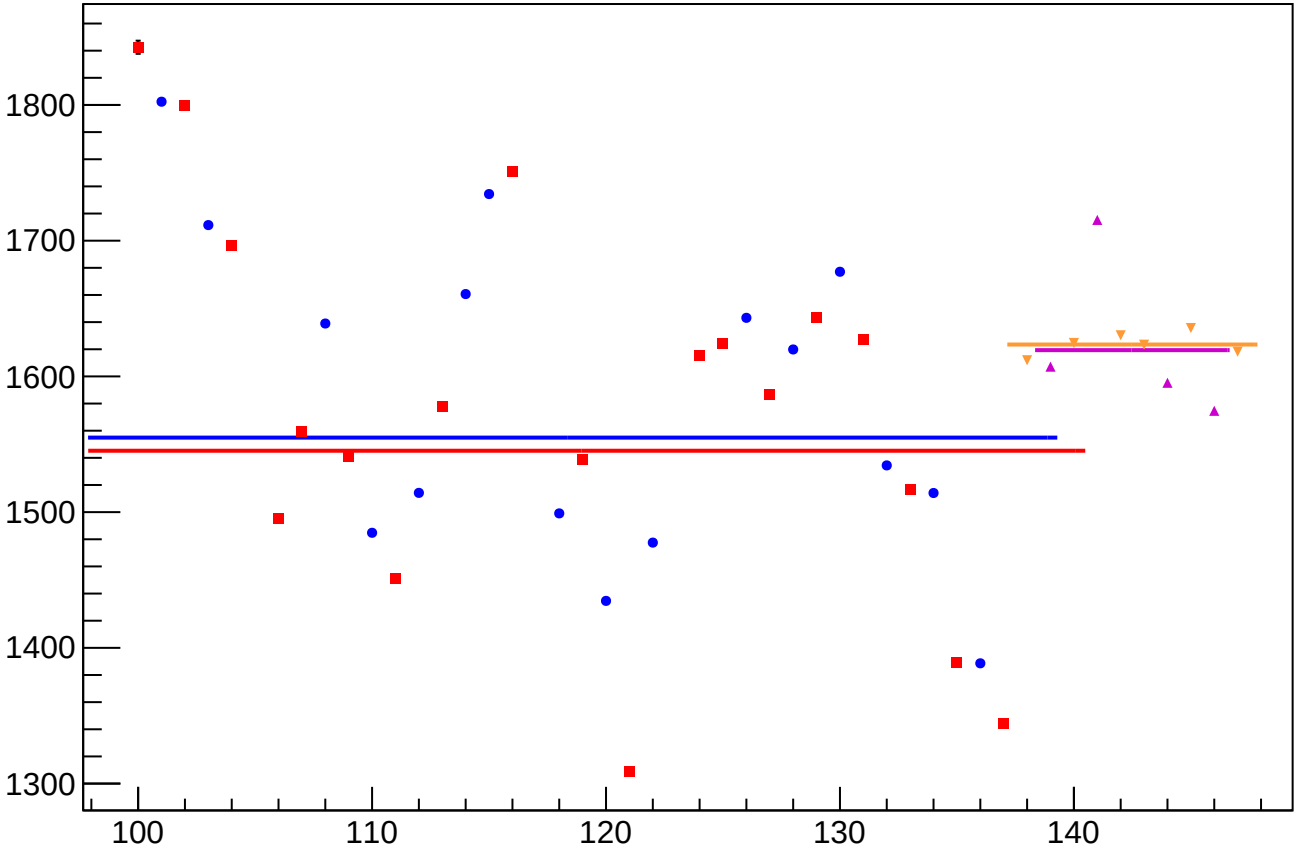
Left In: -70.838+/-0.863 χ^2/NDF:381.9/3

+ sign -63.766+/-0.462 χ^2/NDF: 17818.3/21

All: -38.330+/-0.330 χ^2/NDF: 36504.3/44

- sign -11.615+/-0.473 χ^2/NDF: 12462.2/22

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1623.490+/-0.540 χ^2/NDF:203.9/5

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

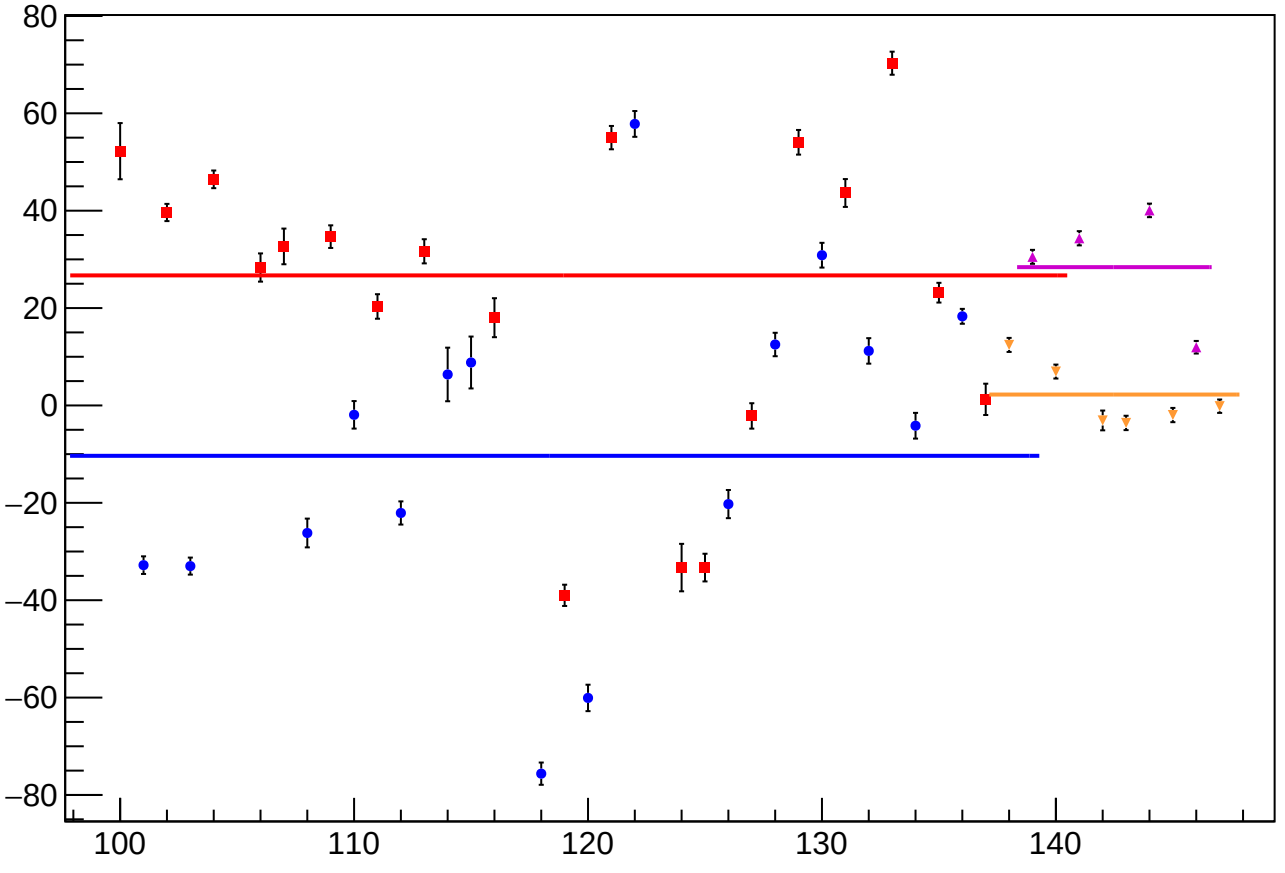
Left In: 1619.352+/-0.610 χ^2/NDF:7458.0/3

+ sign 1579.951+/-0.326 χ^2/NDF: 98355.1/21

All: 1573.880+/-0.234 χ^2/NDF: 225625.5/44

- sign 1567.504+/-0.335 χ^2/NDF: 126561.4/22

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.240+/-0.613 χ^2/NDF:94.5/5

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

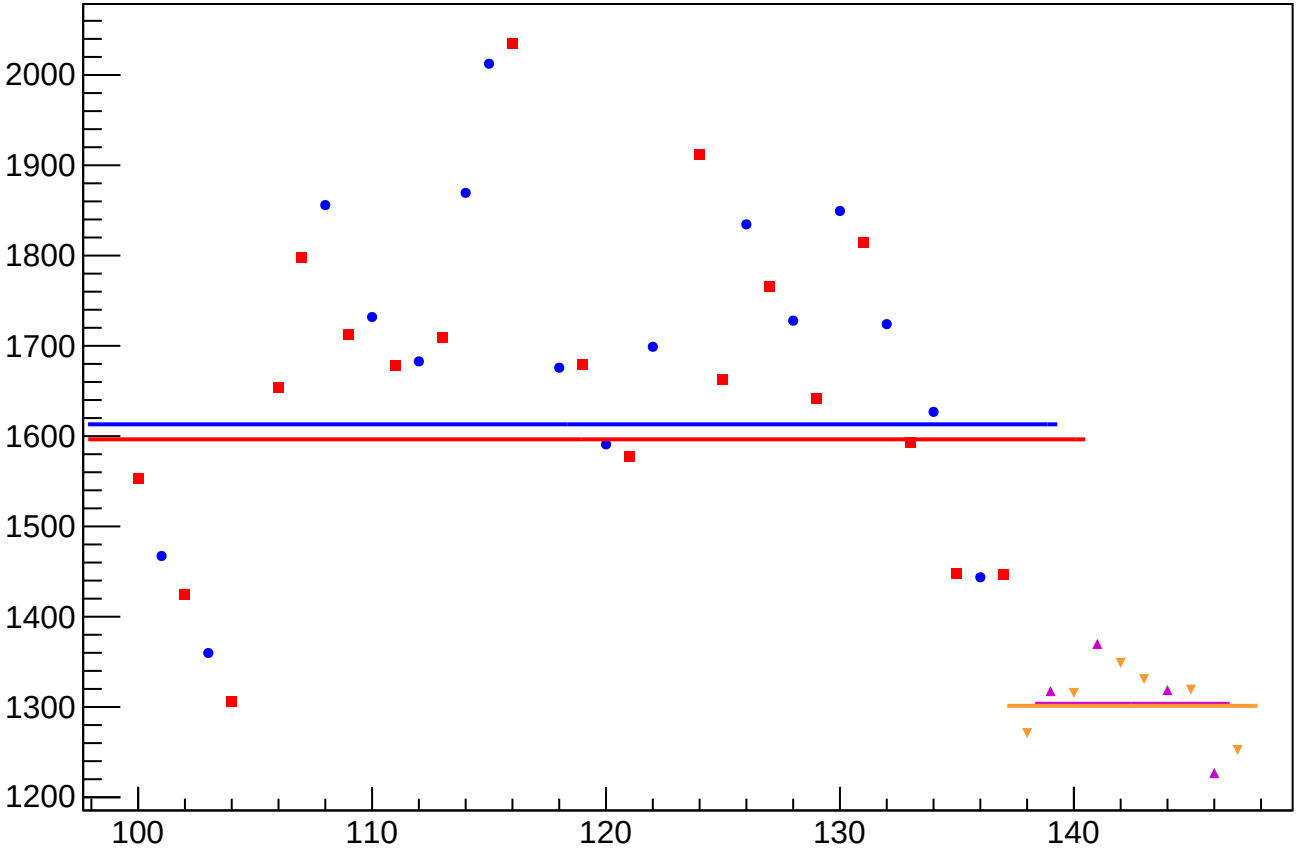
Left In: 28.405+/-0.695 χ^2/NDF:250.3/3

\+ sign -4.154+/-0.430 χ^2/NDF: 3315.6/21

All: 10.970+/-0.310 χ^2/NDF: 8693.5/44

\- sign 27.414+/-0.448 χ^2/NDF: 2794.5/22

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1301.298+/-0.433 χ^2/NDF:5794.3/5

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

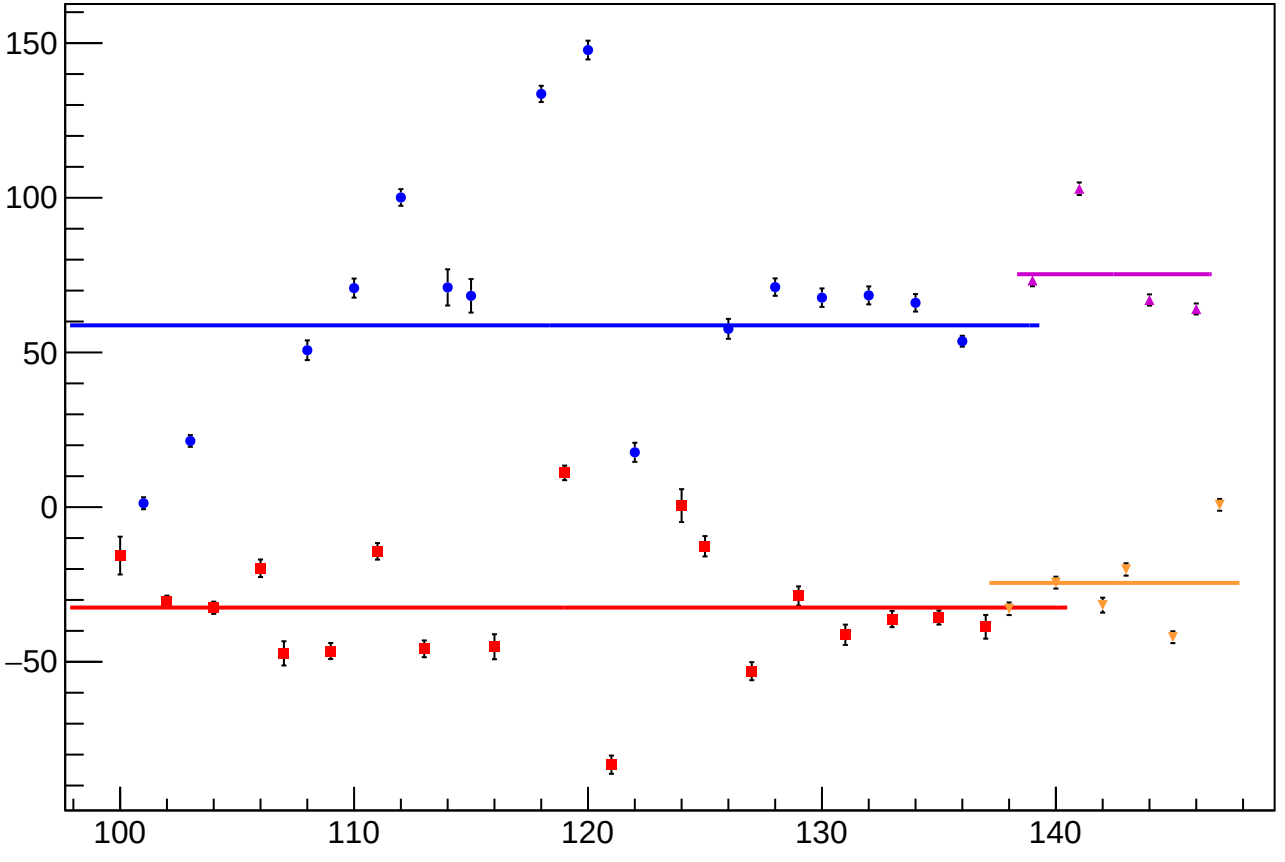
Left In: 1303.563+/-0.492 χ^2/NDF:11566.1/3

+ sign 1459.701+/-0.304 χ^2/NDF: 423457.7/21

All: 1466.900+/-0.219 χ^2/NDF: 804274.4/44

- sign 1474.727+/-0.317 χ^2/NDF: 379646.0/22

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.498+/-0.823 χ^2/NDF:287.7/5

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

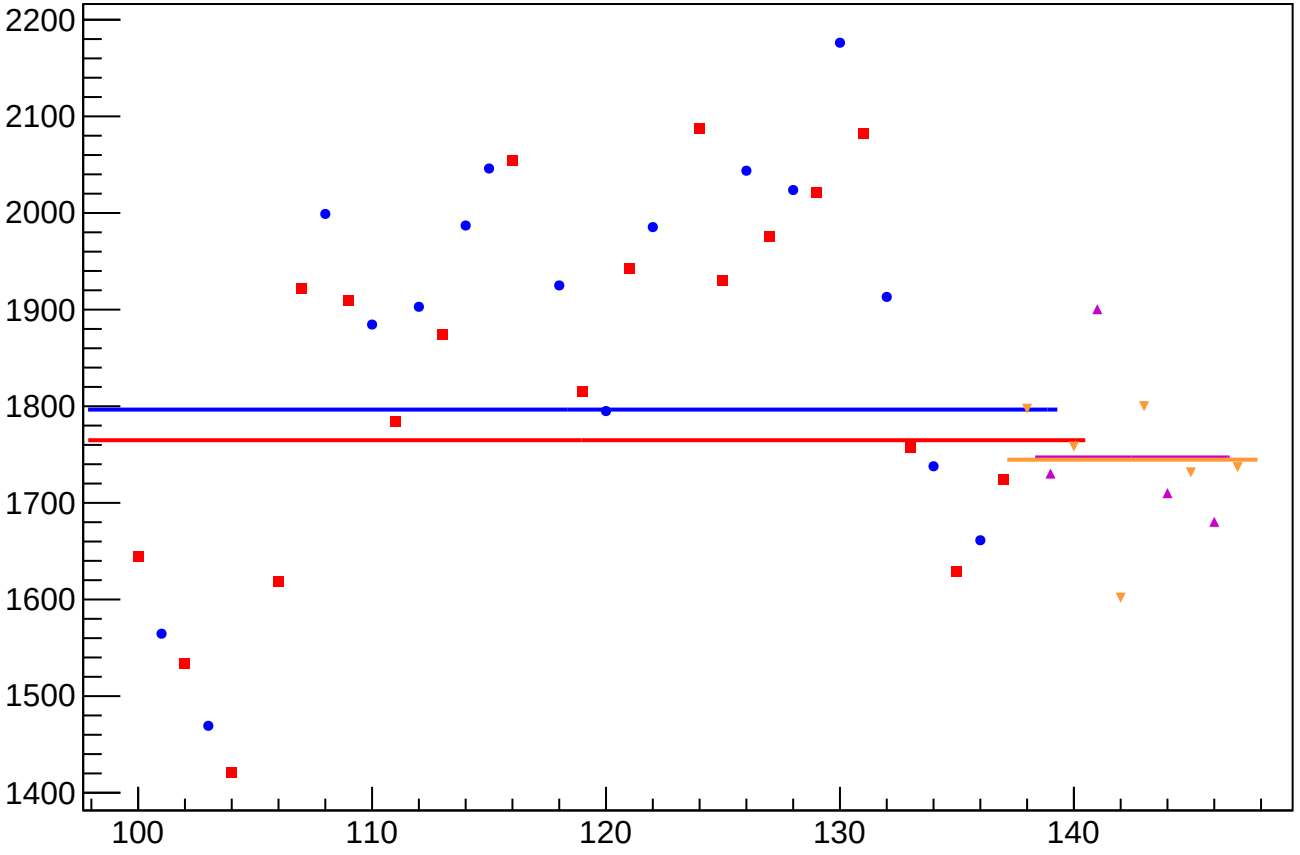
Left In: 75.293+/-0.932 χ^2/NDF:248.0/3

+ sign 25.411+/-0.521 χ^2/NDF: 9871.6/21

All: 14.288+/-0.372 χ^2/NDF: 20986.1/44

- sign 2.659+/-0.532 χ^2/NDF: 10180.9/22

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1744.701+/-0.582 χ^2/NDF:10098.4/5

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

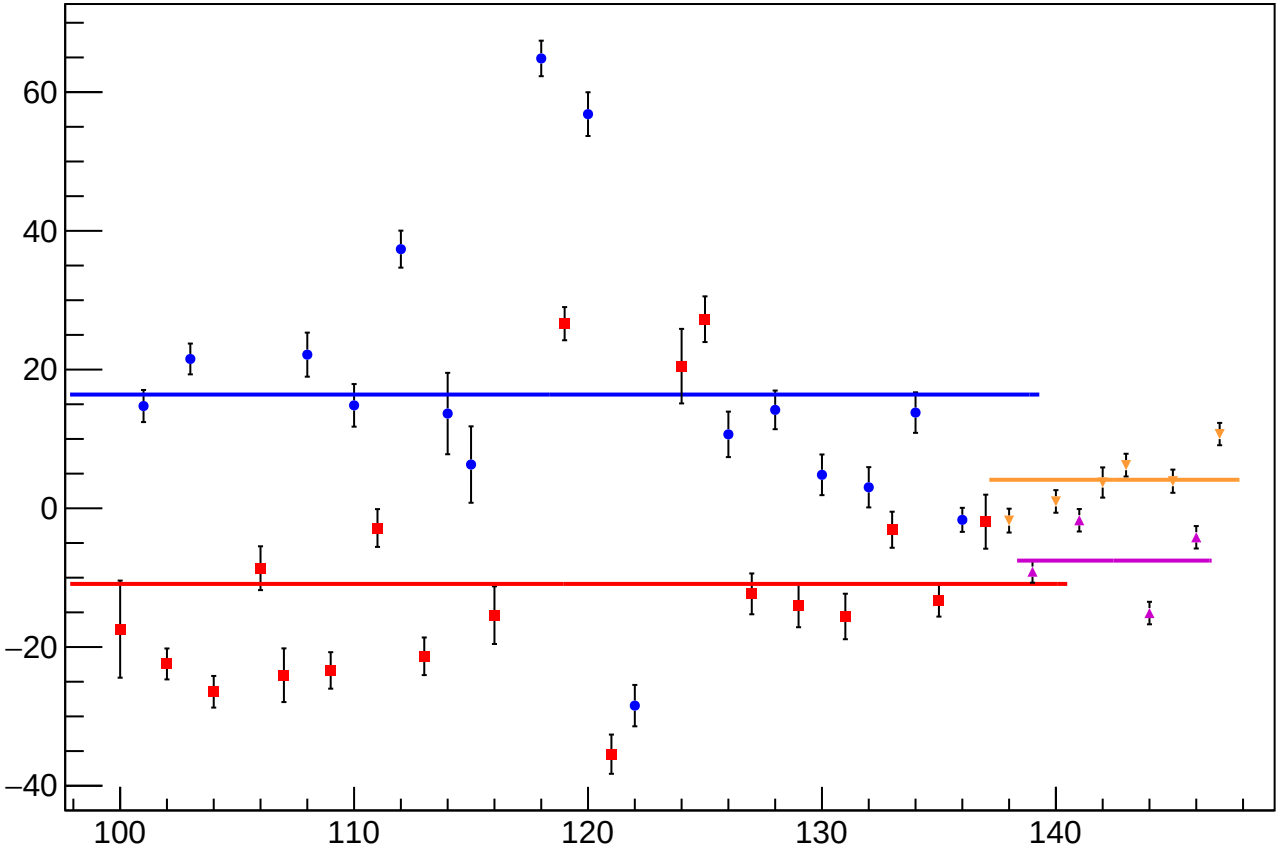
Left In: 1747.010+/-0.659 χ^2/NDF:15246.0/3

+ sign 1775.784+/-0.368 χ^2/NDF: 208033.9/21

All: 1767.599+/-0.263 χ^2/NDF: 414772.9/44

- sign 1759.041+/-0.376 χ^2/NDF: 205727.9/22

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 4.115+/-0.700 χ^2/NDF:33.8/5

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

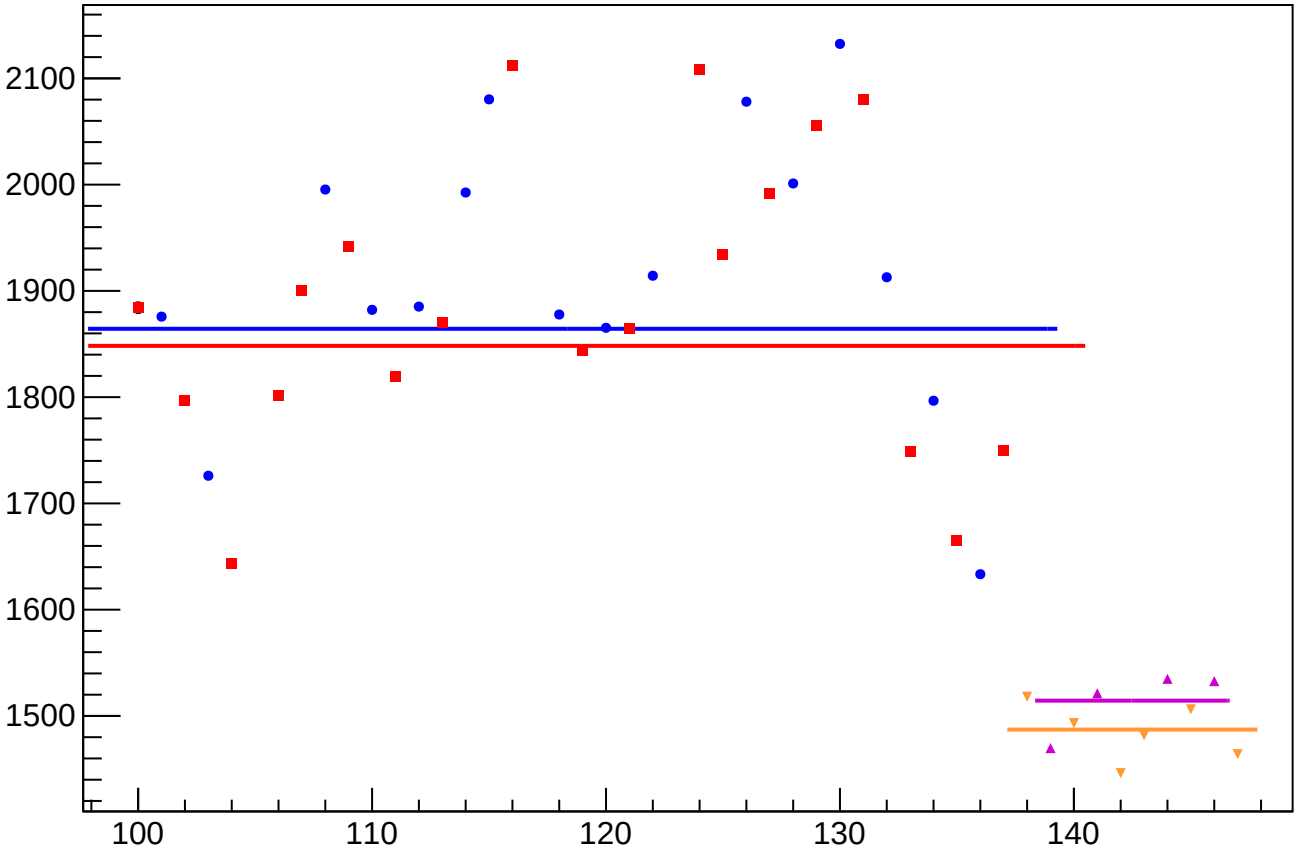
Left In: -7.538+/-0.807 χ^2/NDF:40.0/3

+ sign 10.301+/-0.493 χ^2/NDF: 1161.9/21

All: 0.886+/-0.357 χ^2/NDF: 2620.8/44

- sign -9.512+/-0.518 χ^2/NDF: 691.9/22

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1487.132+/-0.495 χ^2/NDF:2078.6/5

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

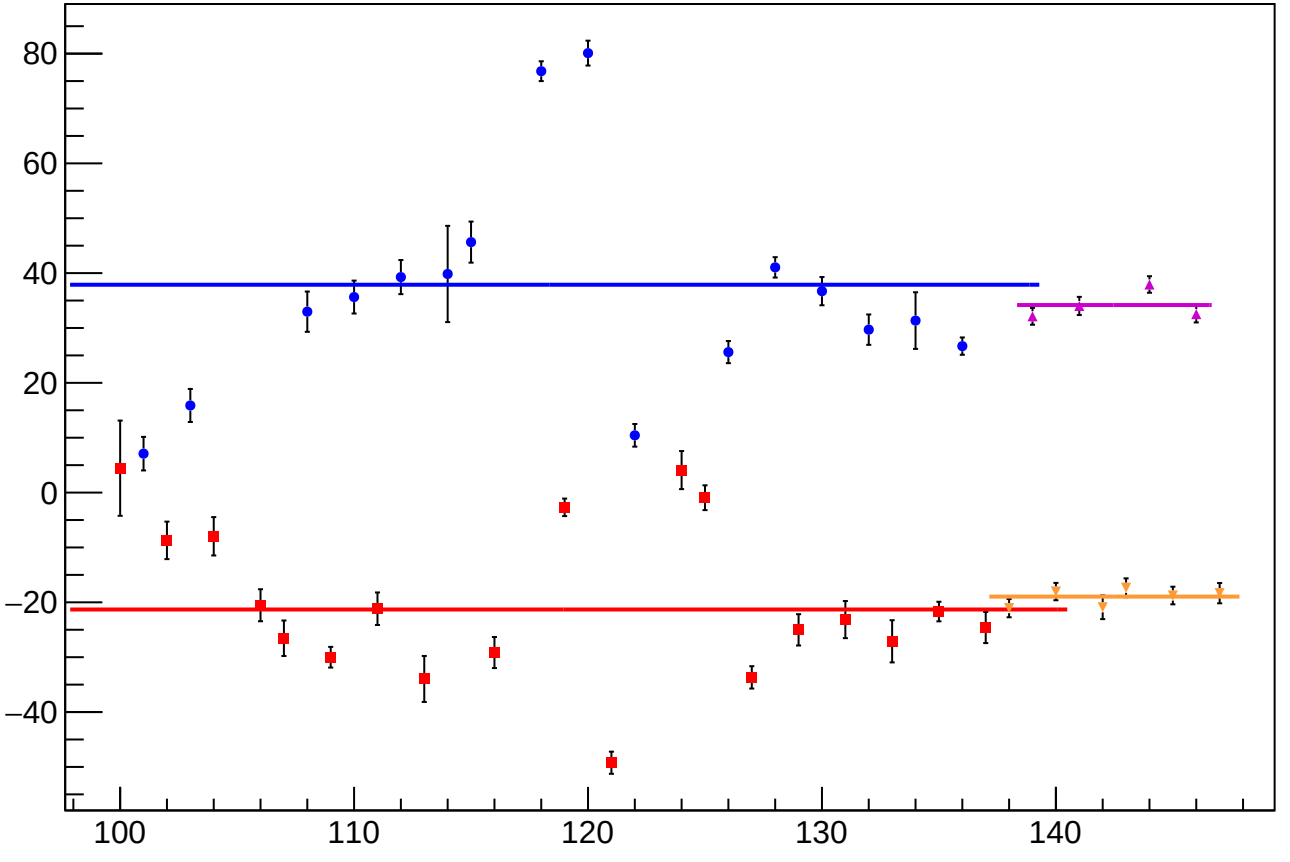
Left In: 1514.400+/-0.570 χ^2/NDF:2177.7/3

+ sign 1677.068+/-0.349 χ^2/NDF: 377893.9/21

All: 1692.953+/-0.253 χ^2/NDF: 660587.3/44

- sign 1710.497+/-0.366 χ^2/NDF: 278326.3/22

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.958+/-0.708 χ^2/NDF:3.8/5

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

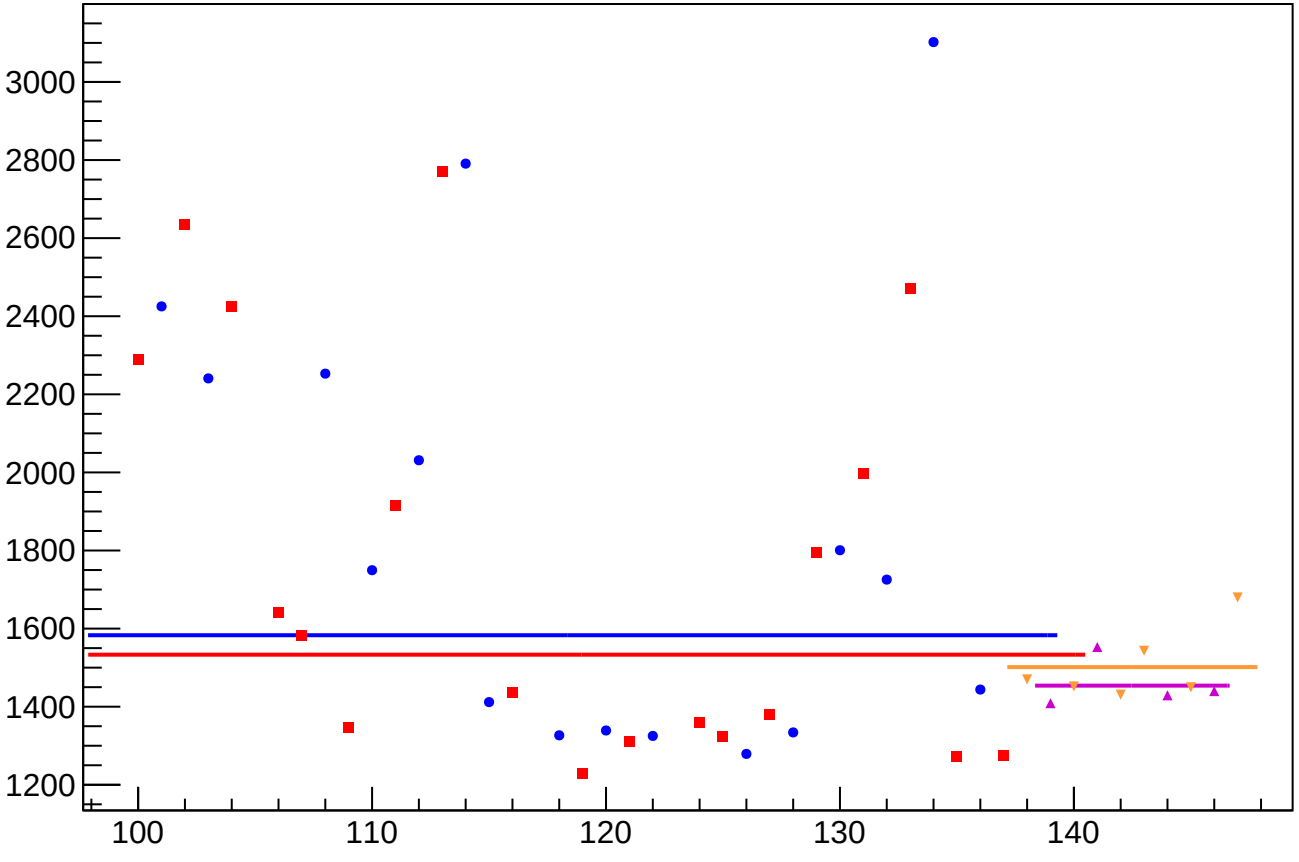
Left In: 34.182+/-0.776 χ^2/NDF:9.2/3

+ sign 13.115+/-0.468 χ^2/NDF: 4887.7/21

All: 6.189+/-0.332 χ^2/NDF: 9151.3/44

- sign -0.844+/-0.471 χ^2/NDF: 3821.3/22

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1501.438+/-0.501 χ^2/NDF:26662.2/5

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

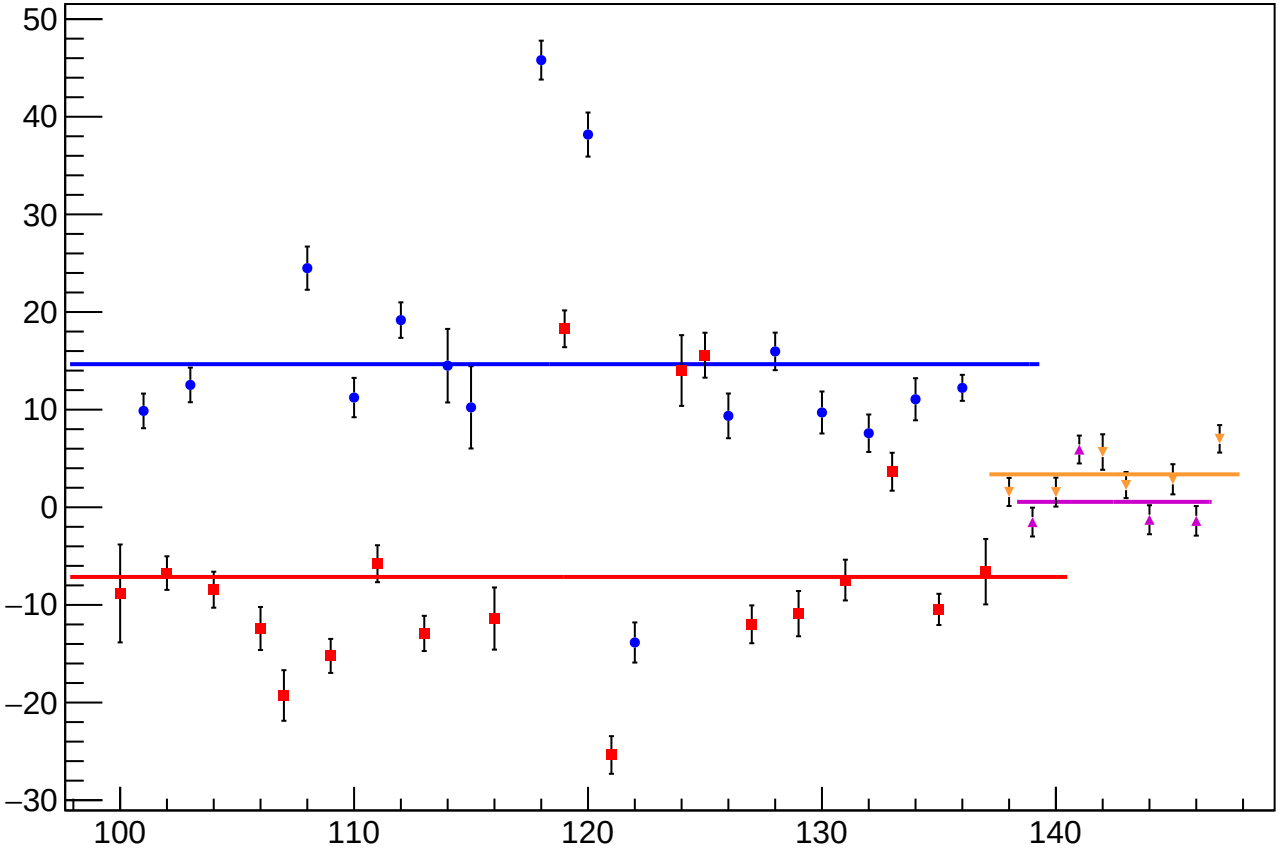
Left In: 1453.975+/-0.549 χ^2/NDF:9566.6/3

+ sign 1547.489+/-0.331 χ^2/NDF: 829319.6/21

All: 1525.900+/-0.235 χ^2/NDF: 1811423.5/44

- sign 1503.978+/-0.333 χ^2/NDF: 973507.8/22

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.373+/-0.606 χ^2/NDF:12.1/5

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

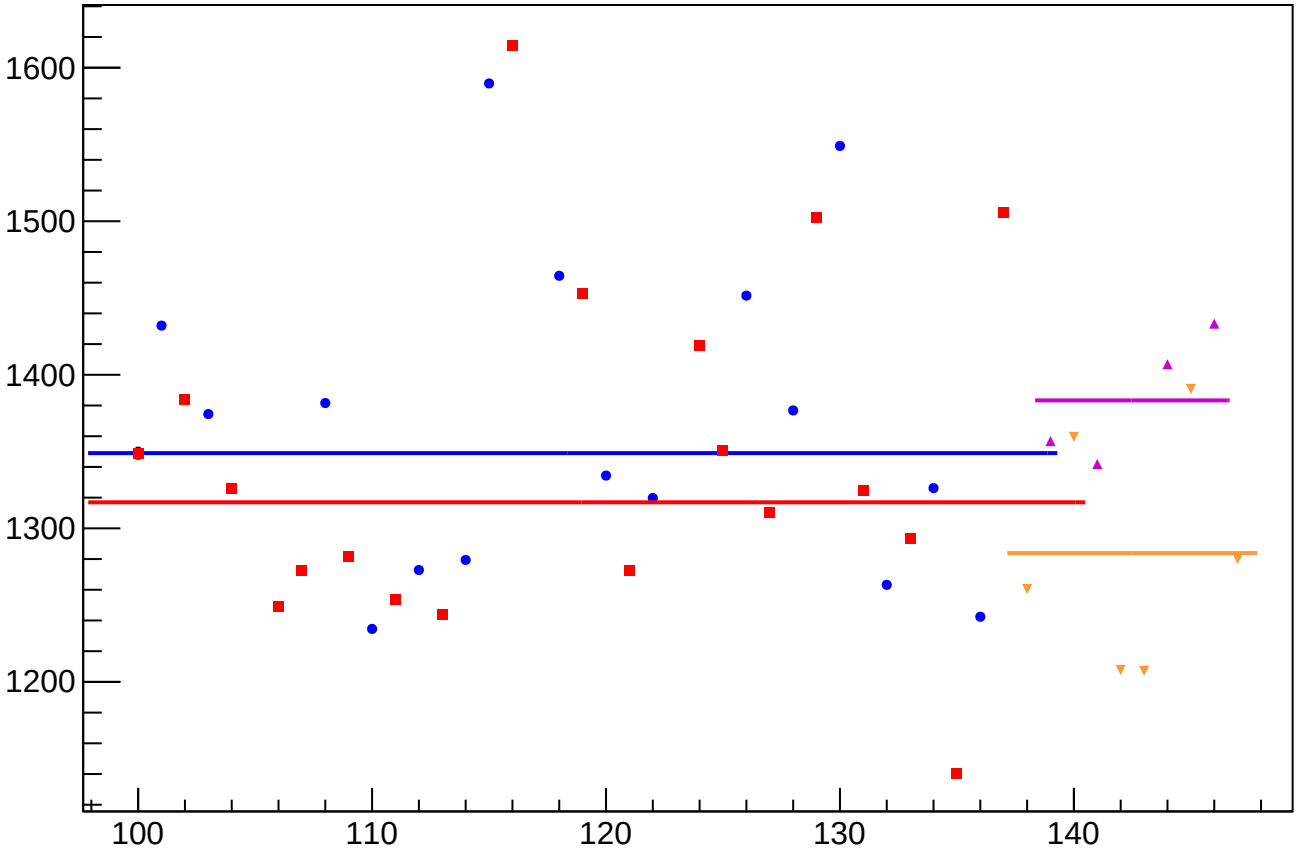
Left In: 0.556+/-0.737 χ^2/NDF:19.2/3

+ sign 10.040+/-0.388 χ^2/NDF: 831.6/21

All: 2.915+/-0.280 χ^2/NDF: 2140.7/44

- sign -4.825+/-0.404 χ^2/NDF: 604.8/22

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1283.895+/-0.429 χ^2/NDF:25421.1/5

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

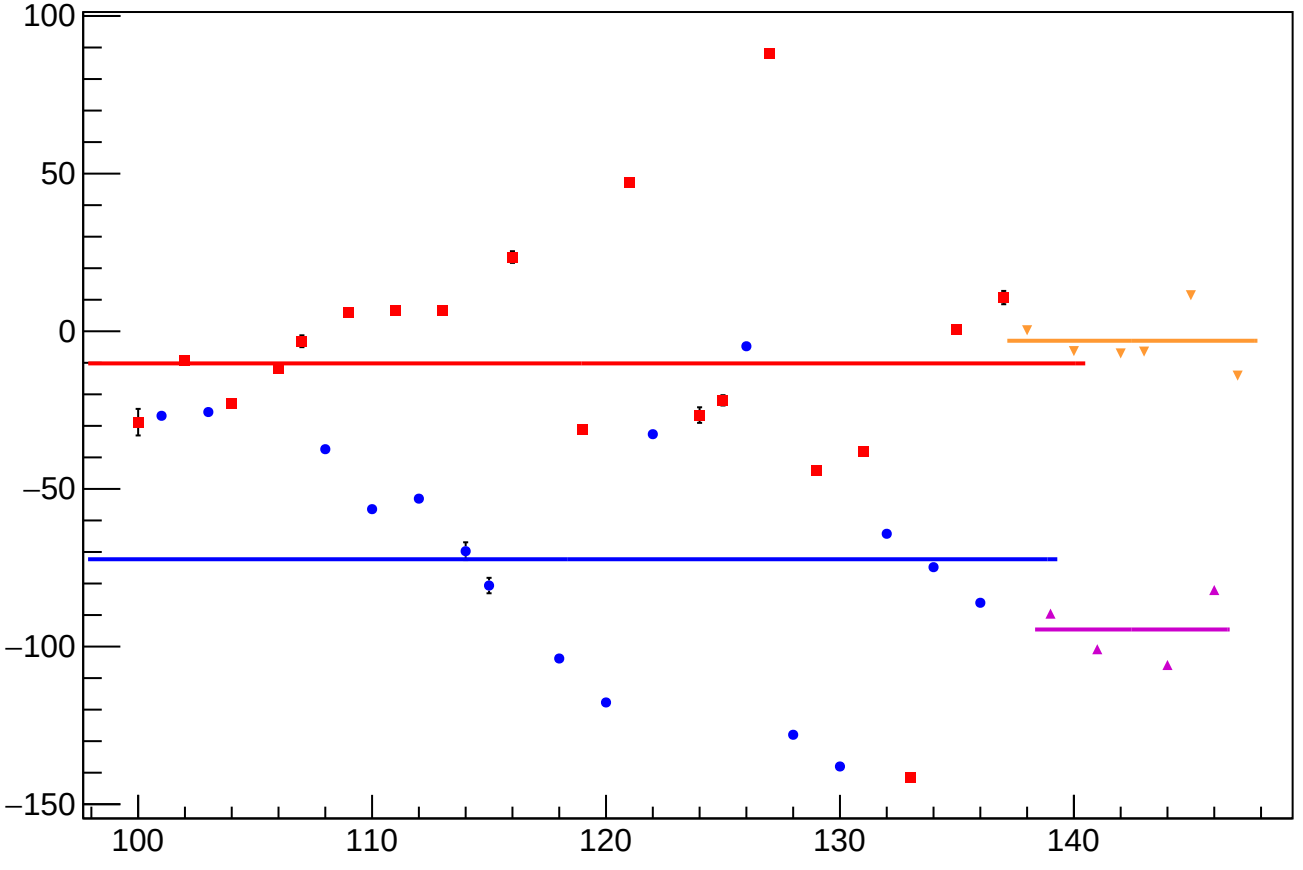
Left In: 1383.334+/-0.521 χ^2/NDF:5012.2/3

+ sign 1322.356+/-0.274 χ^2/NDF: 107436.1/21

All: 1329.325+/-0.198 χ^2/NDF: 212005.0/44

- sign 1336.896+/-0.286 χ^2/NDF: 103221.0/22

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -3.006+/-0.447 χ^2/NDF:325.8/5

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

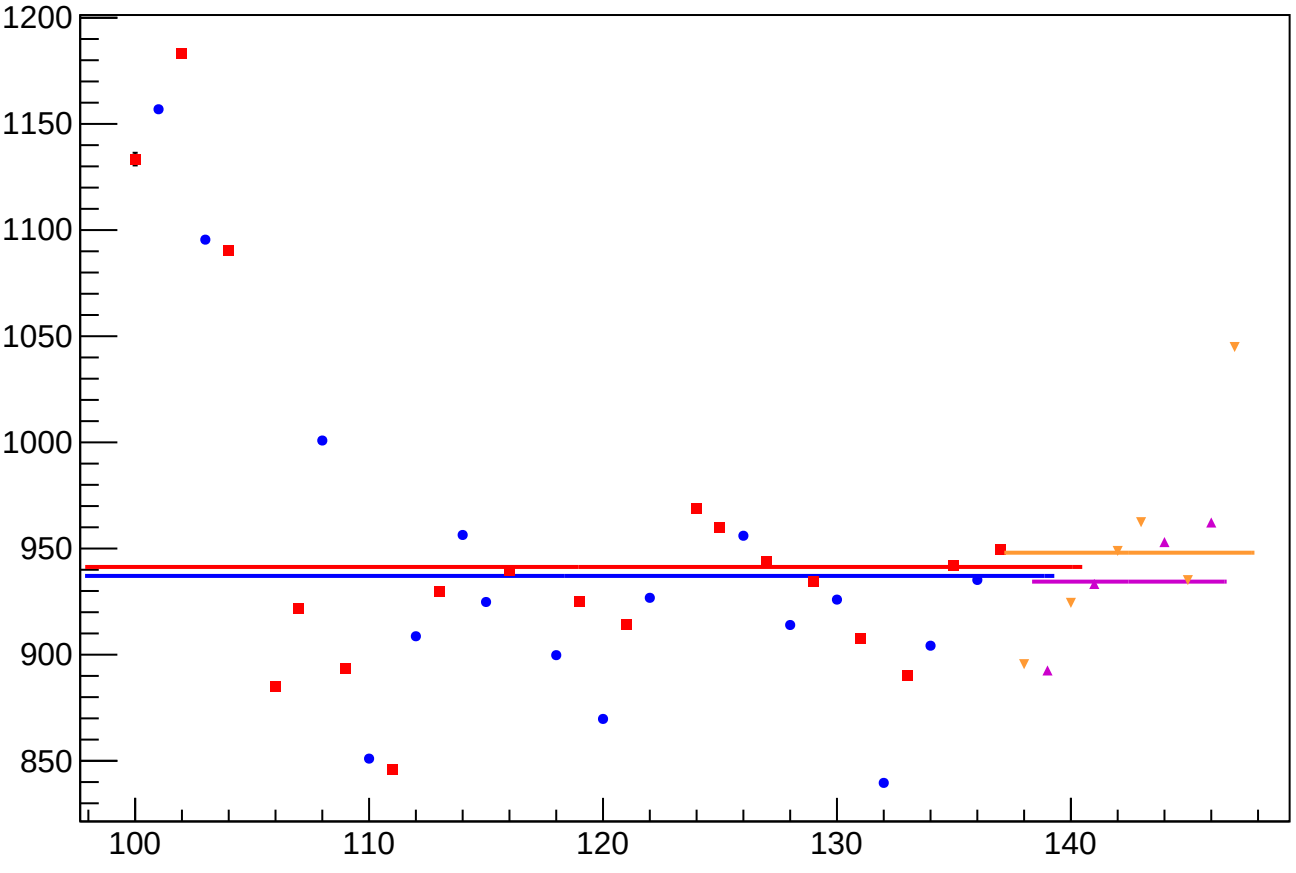
Left In: -94.581+/-0.497 χ^2/NDF:344.5/3

+ sign -45.984+/-0.275 χ^2/NDF: 27415.5/21

All: -41.888+/-0.197 χ^2/NDF: 66713.5/44

- sign -37.549+/-0.283 χ^2/NDF: 38841.8/22

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 948.035+/-0.316 χ^2/NDF:21348.7/5

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

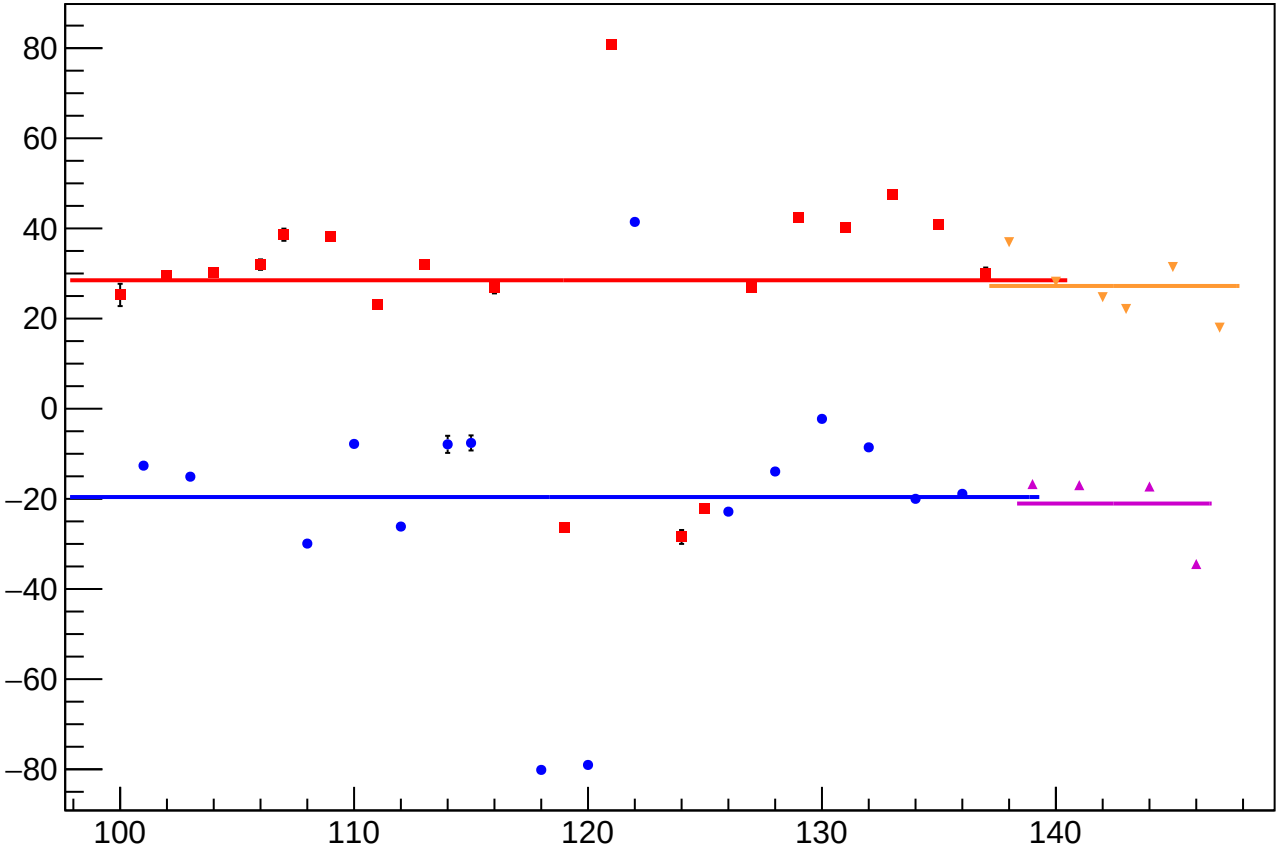
Left In: 934.408+/-0.352 χ^2/NDF:5917.5/3

+ sign 941.251+/-0.195 χ^2/NDF: 126753.3/21

All: 940.198+/-0.140 χ^2/NDF: 234023.5/44

- sign 939.081+/-0.200 χ^2/NDF: 107209.8/22

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.234+/-0.306 χ^2/NDF:426.4/5

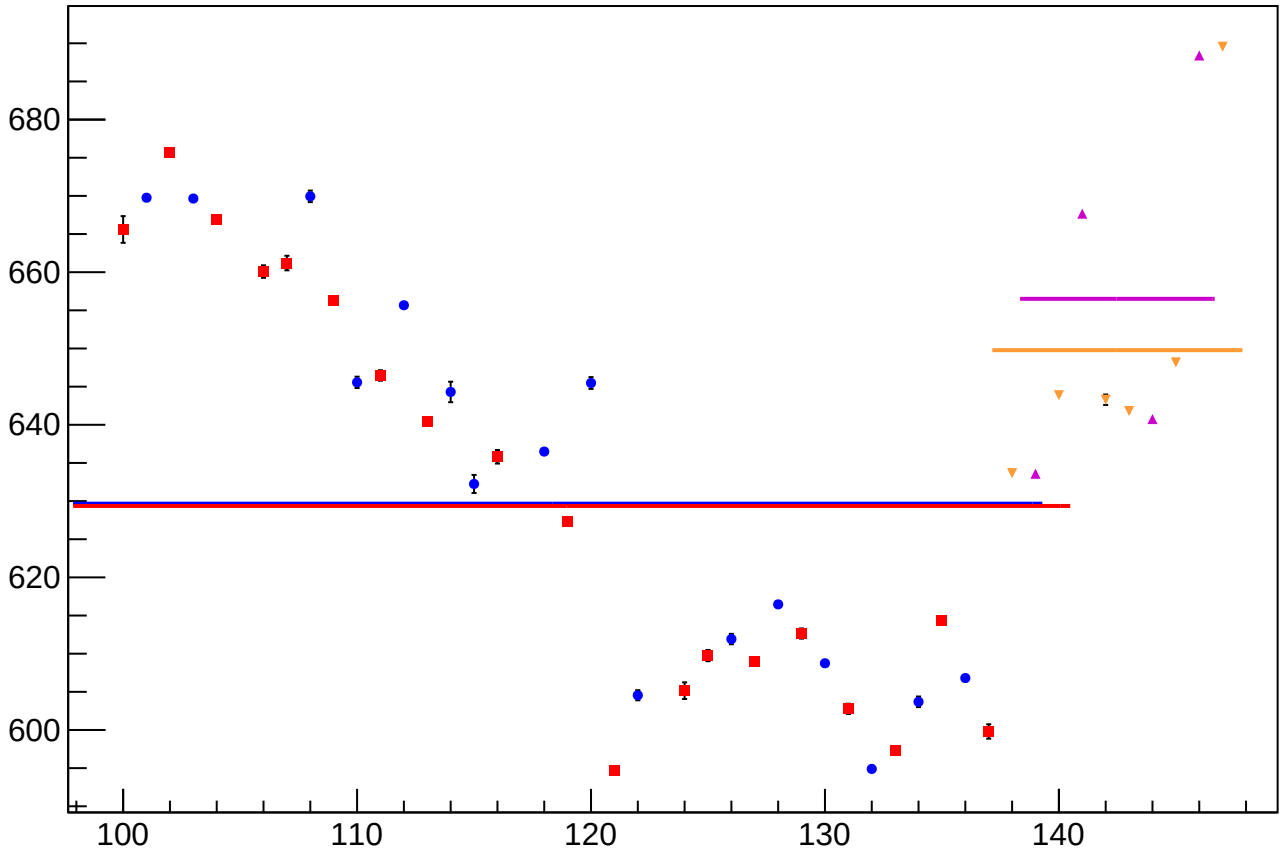
Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: -21.040+/-0.349 χ^2/NDF:446.4/3

+ sign -2.293+/-0.186 χ^2/NDF: 28388.5/21

All: 5.374+/-0.134 χ^2/NDF: 59357.5/44

- sign 13.551+/-0.192 χ^2/NDF: 27451.7/22



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 649.780+/-0.216 χ^2/NDF:7008.6/5

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

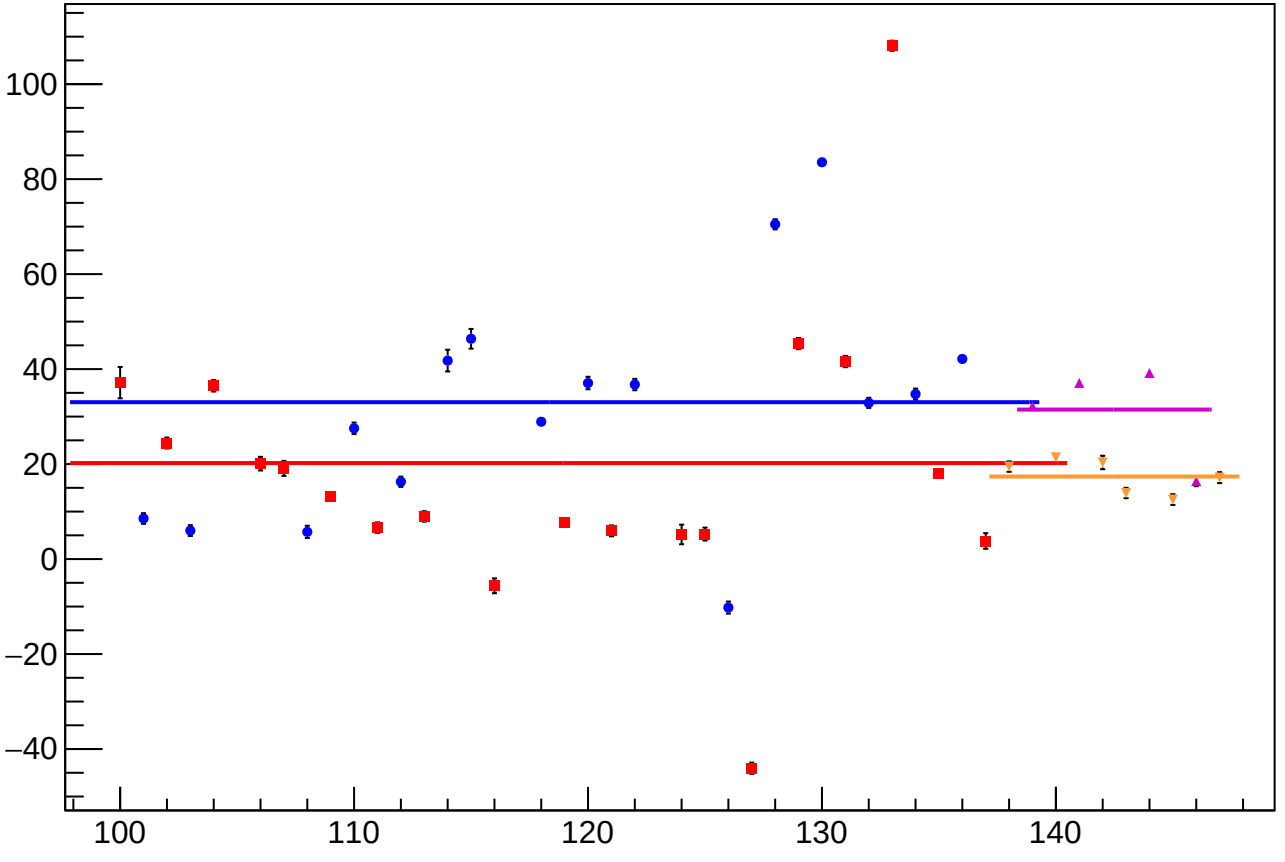
Left In: 656.508+/-0.247 χ^2/NDF:7672.0/3

+ sign 637.094+/-0.131 χ^2/NDF: 37784.7/21

All: 637.315+/-0.094 χ^2/NDF: 80683.1/44

- sign 637.551+/-0.136 χ^2/NDF: 42892.6/22

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.378+/-0.466 χ^2/NDF:50.8/5

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

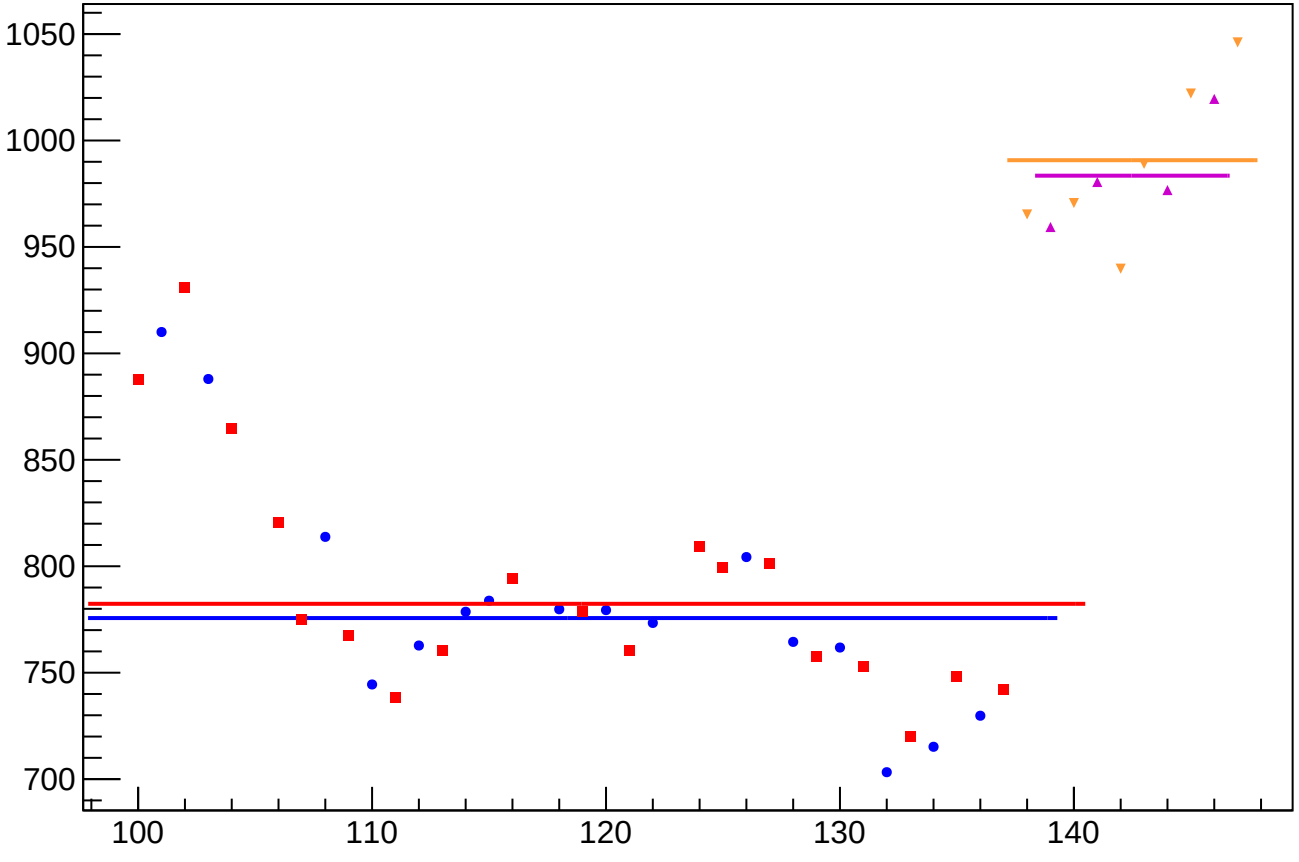
Left In: 31.481+/-0.524 χ^2/NDF:281.6/3

+ sign 28.692+/-0.246 χ^2/NDF: 7565.2/21

All: 25.811+/-0.176 χ^2/NDF: 20354.3/44

- sign 22.804+/-0.251 χ^2/NDF: 12507.9/22

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 990.747+/-0.330 χ^2/NDF:10558.9/5

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

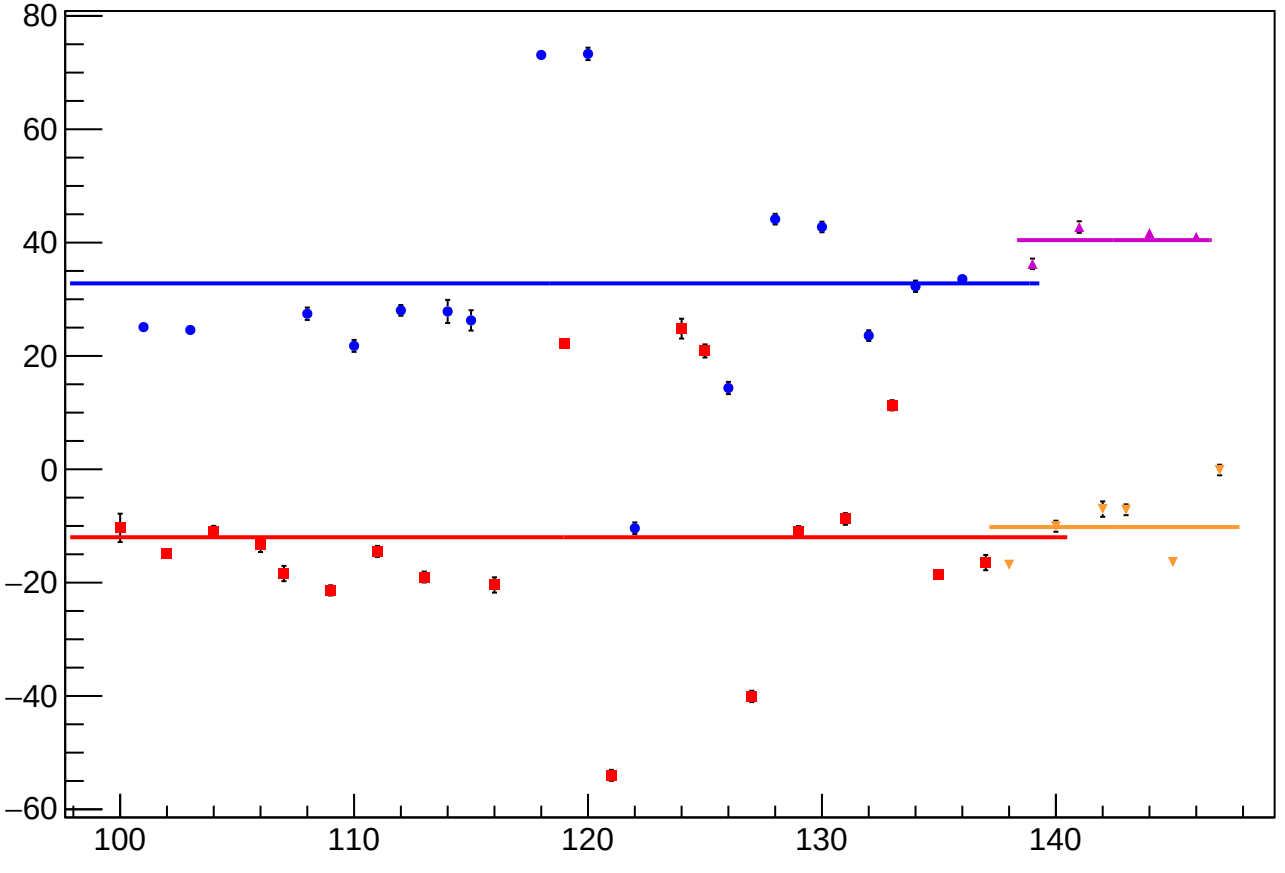
Left In: 983.476+/-0.370 χ^2/NDF:3425.9/3

+ sign 835.302+/-0.174 χ^2/NDF: 392574.8/21

All: 832.008+/-0.124 χ^2/NDF: 688615.1/44

- sign 828.570+/-0.177 χ^2/NDF: 295305.2/22

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.196+/-0.393 χ^2/NDF:240.0/5

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

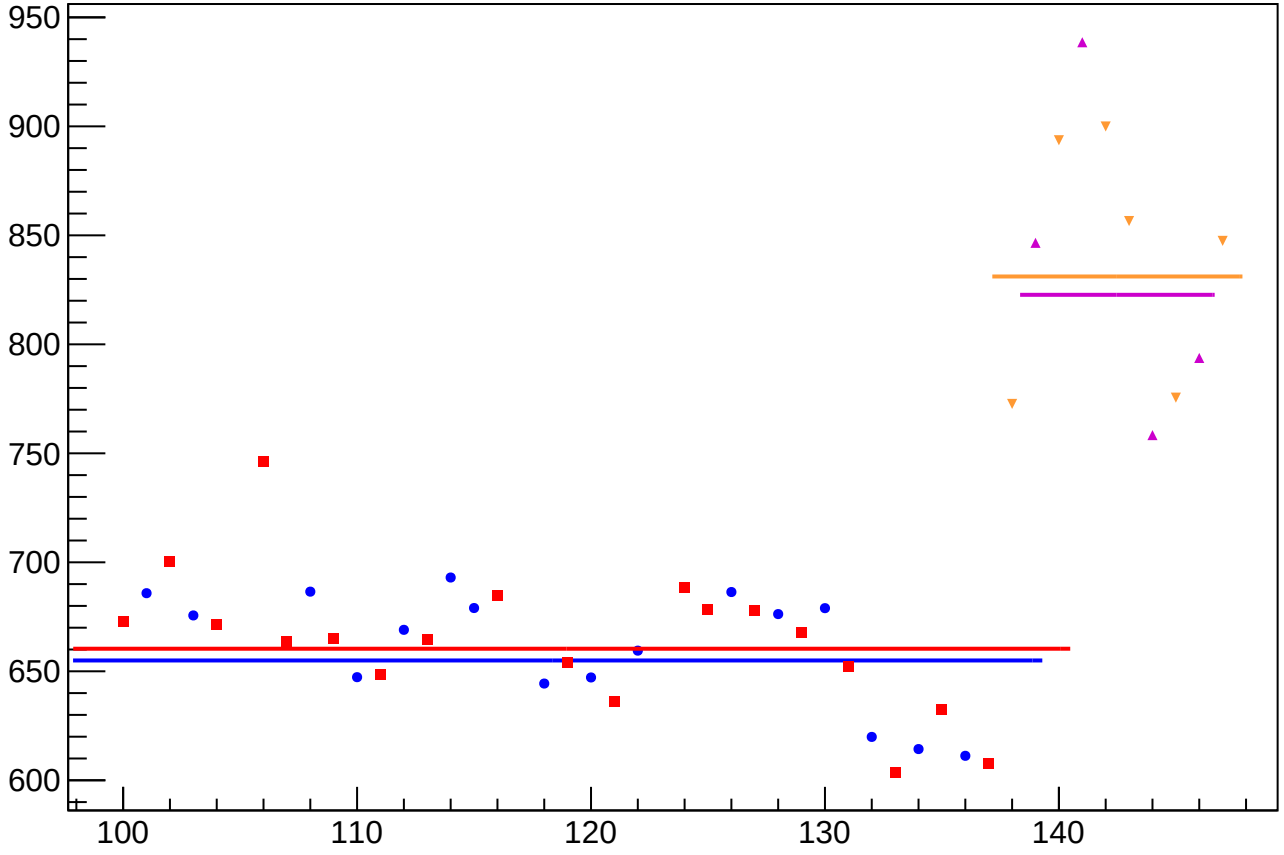
Left In: 40.441+/-0.443 χ^2/NDF:28.5/3

+ sign 20.889+/-0.207 χ^2/NDF: 15138.5/21

All: 10.678+/-0.148 χ^2/NDF: 37516.4/44

- sign -0.004+/-0.212 χ^2/NDF: 17401.4/22

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 831.124+/-0.278 χ^2/NDF:32415.9/5

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

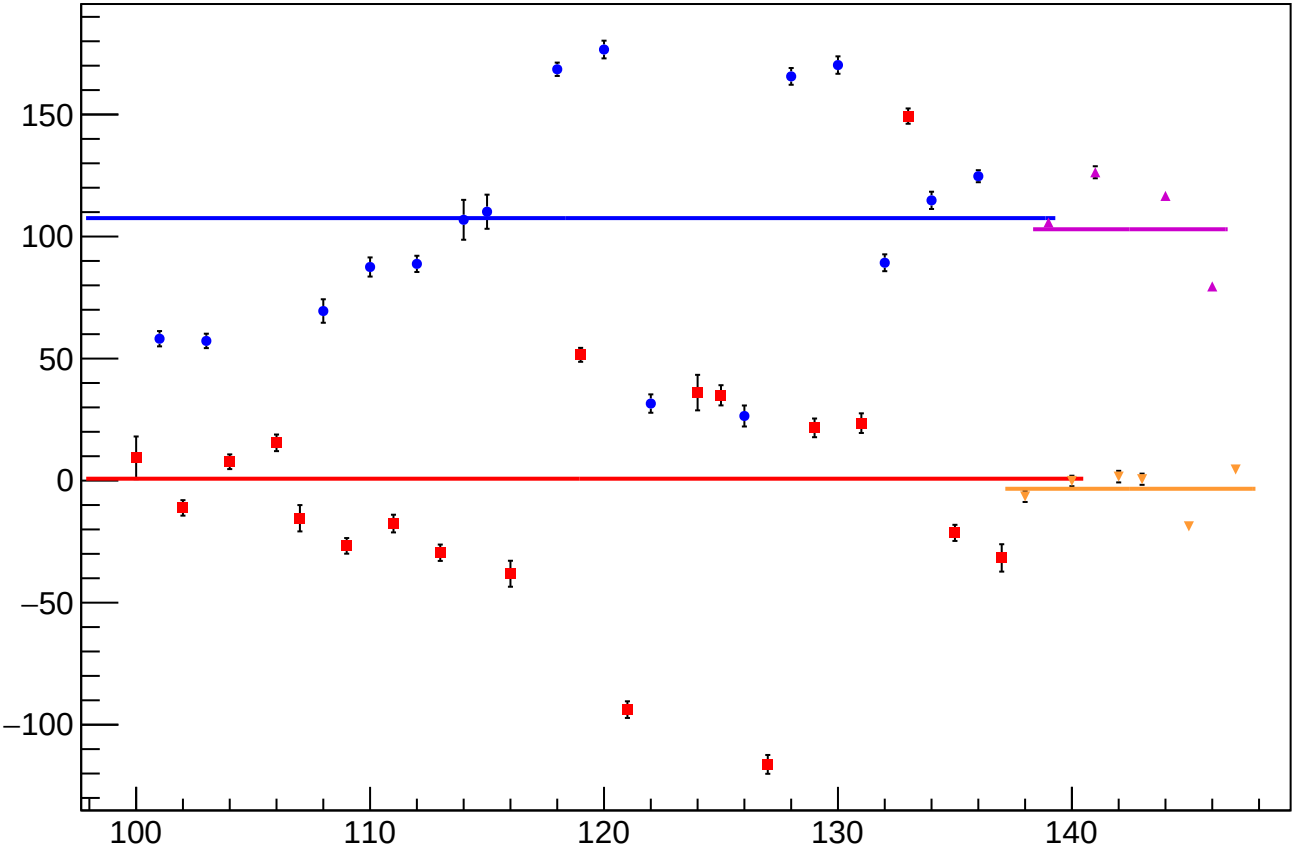
Left In: 822.715+/-0.313 χ^2/NDF:42284.5/3

+ sign 703.778+/-0.146 χ^2/NDF: 349129.7/21

All: 700.701+/-0.105 χ^2/NDF: 630087.3/44

- sign 697.482+/-0.150 χ^2/NDF: 280053.8/22

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -3.336+/-0.868 χ^2/NDF:91.1/5

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

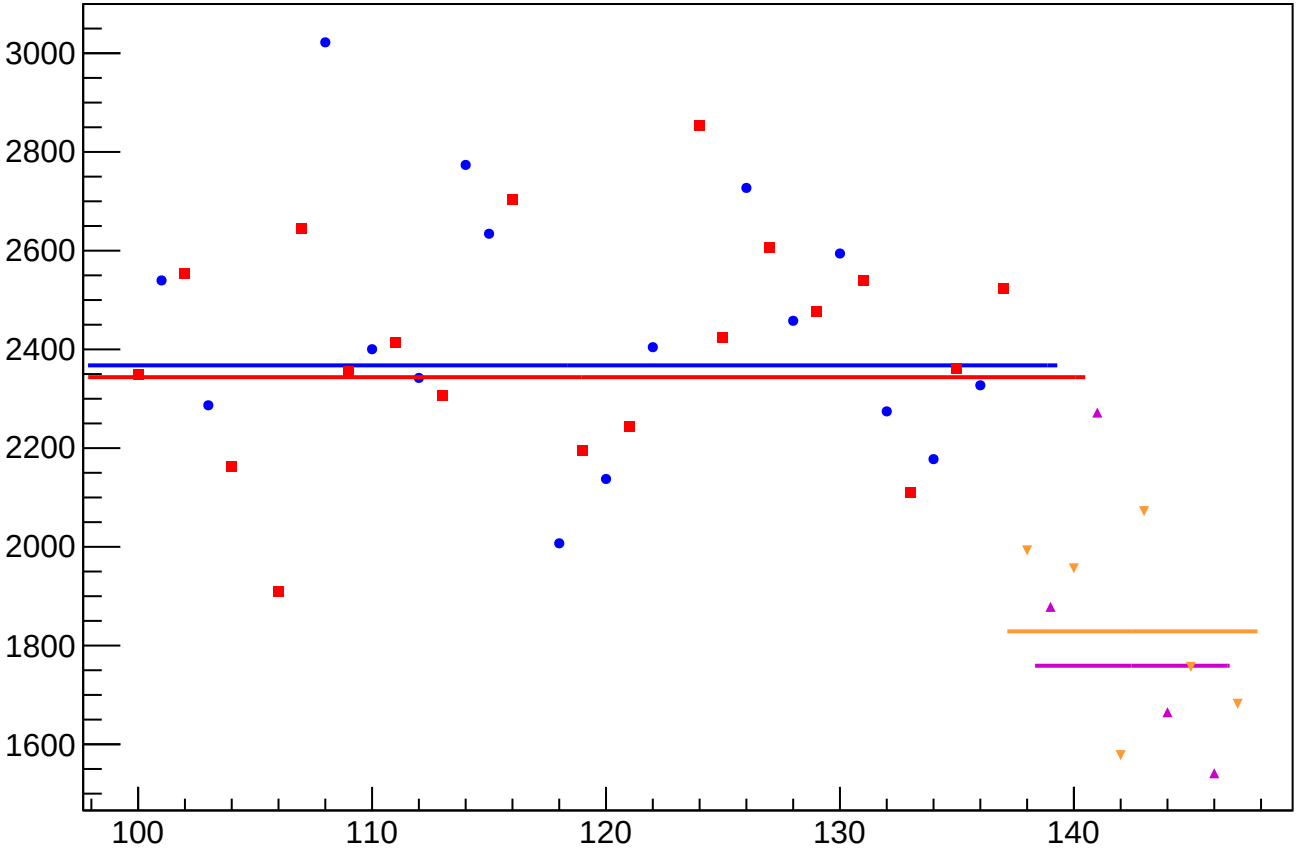
Left In: 102.982+/-0.954 χ^2/NDF:358.4/3

+ sign 50.996+/-0.620 χ^2/NDF: 11047.1/21

All: 48.881+/-0.445 χ^2/NDF: 22515.9/44

- sign 46.632+/-0.639 χ^2/NDF: 11444.8/22

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1828.713+/-0.614 χ^2/NDF:77499.7/5

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

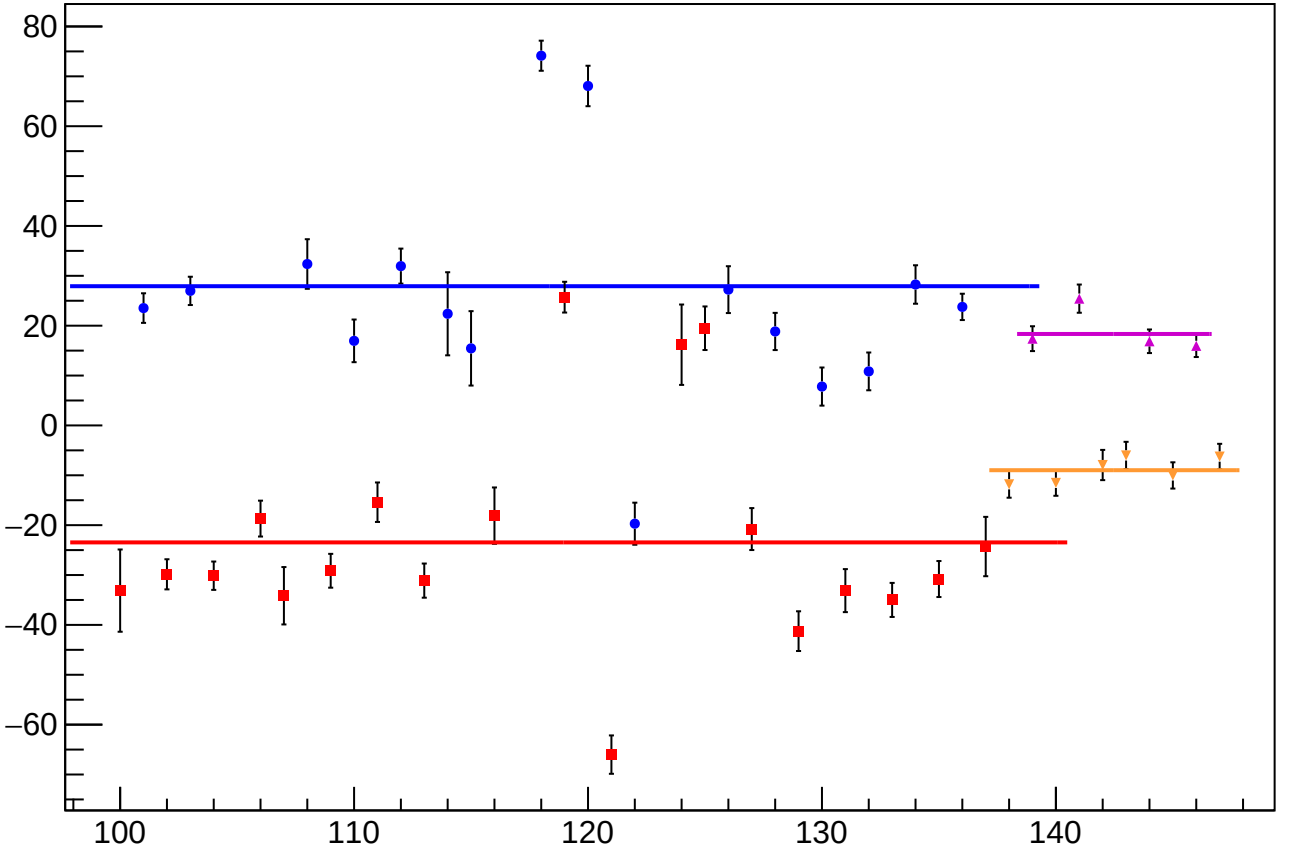
Left In: 1759.155+/-0.675 χ^2/NDF:134721.3/3

+ sign 2092.778+/-0.438 χ^2/NDF: 582218.4/21

All: 2087.302+/-0.315 χ^2/NDF: 1243254.2/44

- sign 2081.476+/-0.452 χ^2/NDF: 660713.5/22

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.980+/-1.099 χ^2/NDF:4.7/5

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

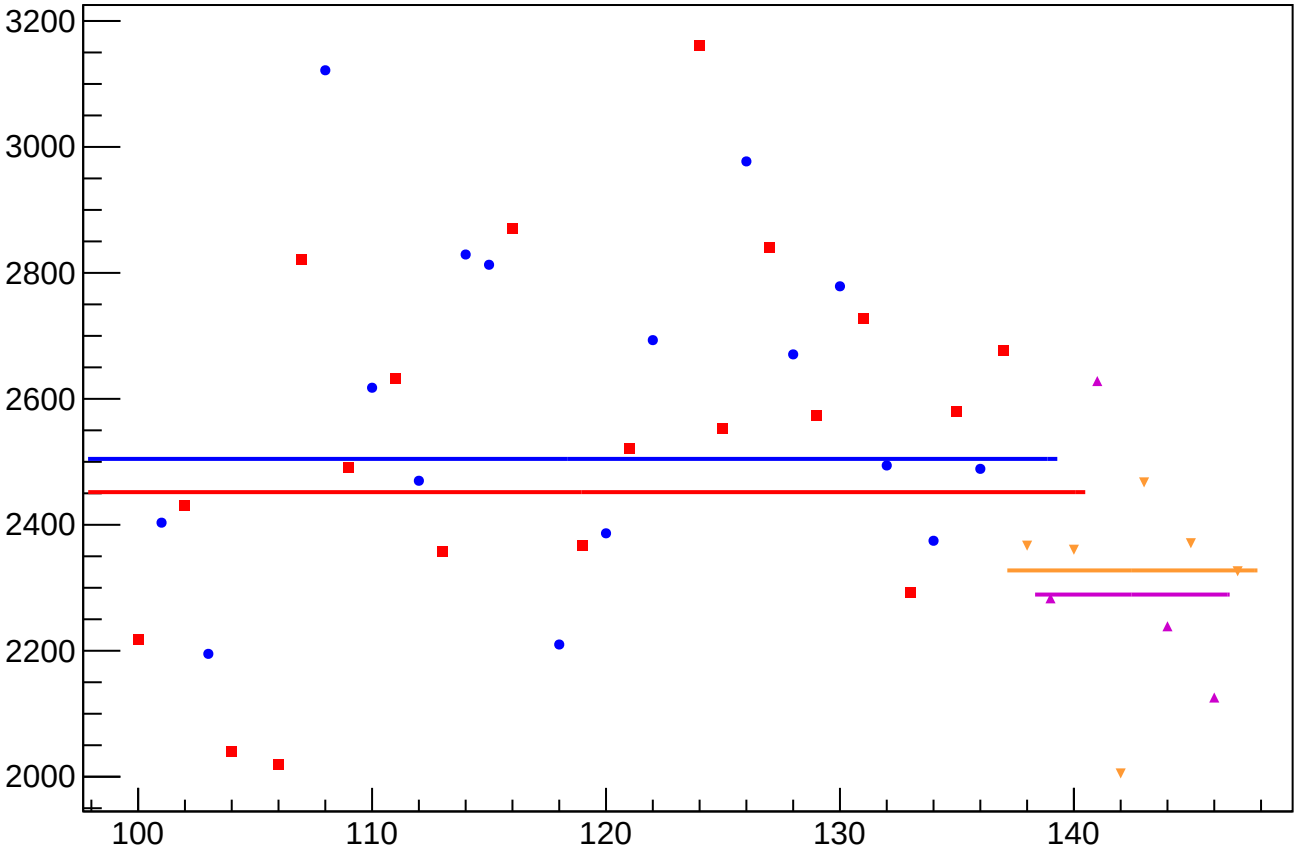
Left In: 18.338+/-1.228 χ^2/NDF:7.9/3

+ sign 12.392+/-0.713 χ^2/NDF: 1188.1/21

All: 2.008+/-0.509 χ^2/NDF: 2948.8/44

- sign -8.797+/-0.727 χ^2/NDF: 1327.9/22

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2327.567+/-0.777 χ^2/NDF:29139.9/5

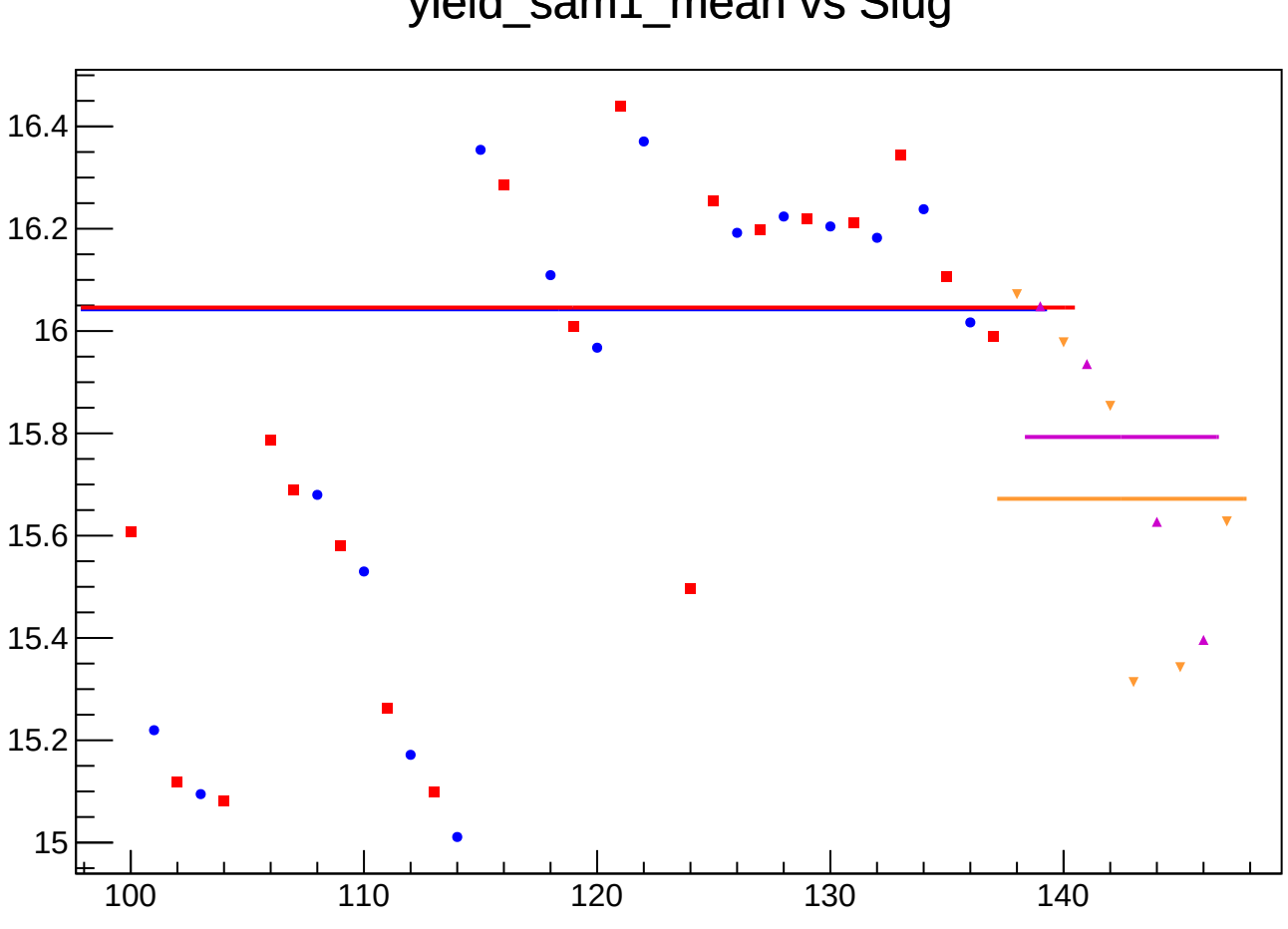
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2289.246+/-0.868 χ^2/NDF:40234.8/3

+ sign 2430.145+/-0.504 χ^2/NDF: 185811.2/21

All: 2412.841+/-0.360 χ^2/NDF: 404461.3/44

- sign 2394.835+/-0.514 χ^2/NDF: 216246.1/22



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.672+/-0.000 χ^2/NDF:4243597580.2/5

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

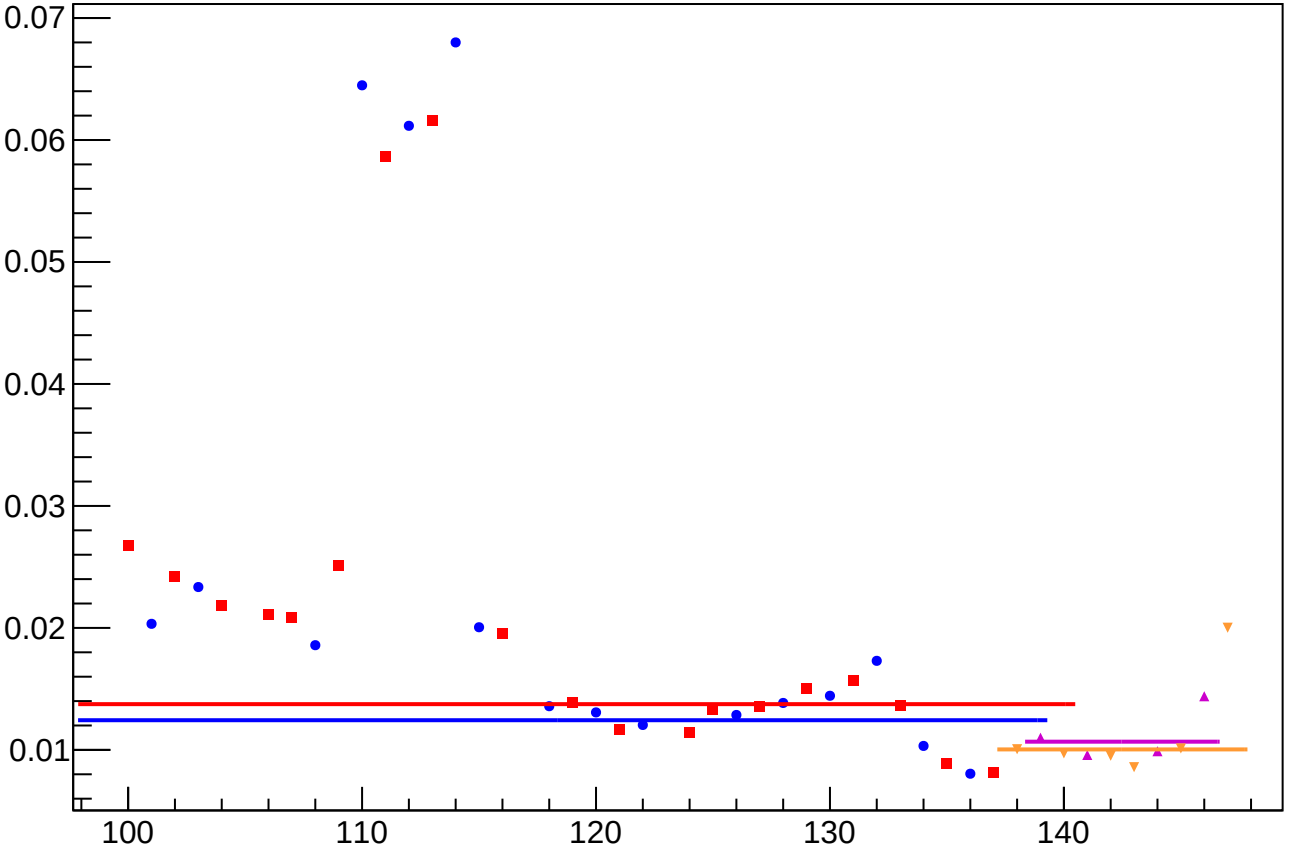
Left In: 15.793+/-0.000 χ^2/NDF:1472343003.6/3

+ sign 15.846+/-0.000 χ^2/NDF: 9674974409.2/21

All: 15.880+/-0.000 χ^2/NDF: 15829422735.9

- sign 15.923+/-0.000 χ^2/NDF: 5958886354.1/22

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:445740.5/5

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

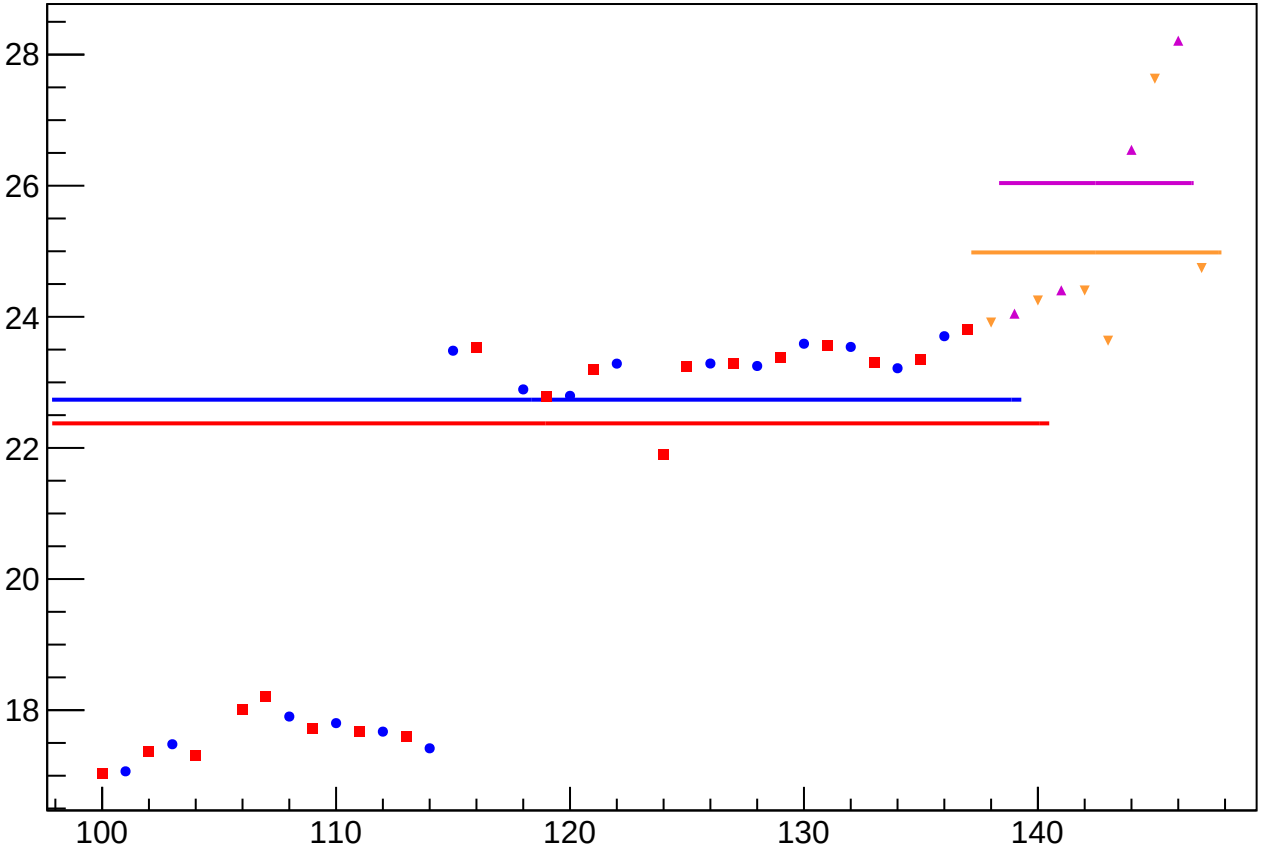
Left In: 0.011+/-0.000 χ^2/NDF:141477.0/3

+ sign 0.011+/-0.000 χ^2/NDF: 2978883.9/21

All: 0.012+/-0.000 χ^2/NDF: 5706342.6/44

- sign 0.012+/-0.000 χ^2/NDF: 2648562.3/22

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.982+/-0.000 χ^2/NDF:760059179.1/5

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

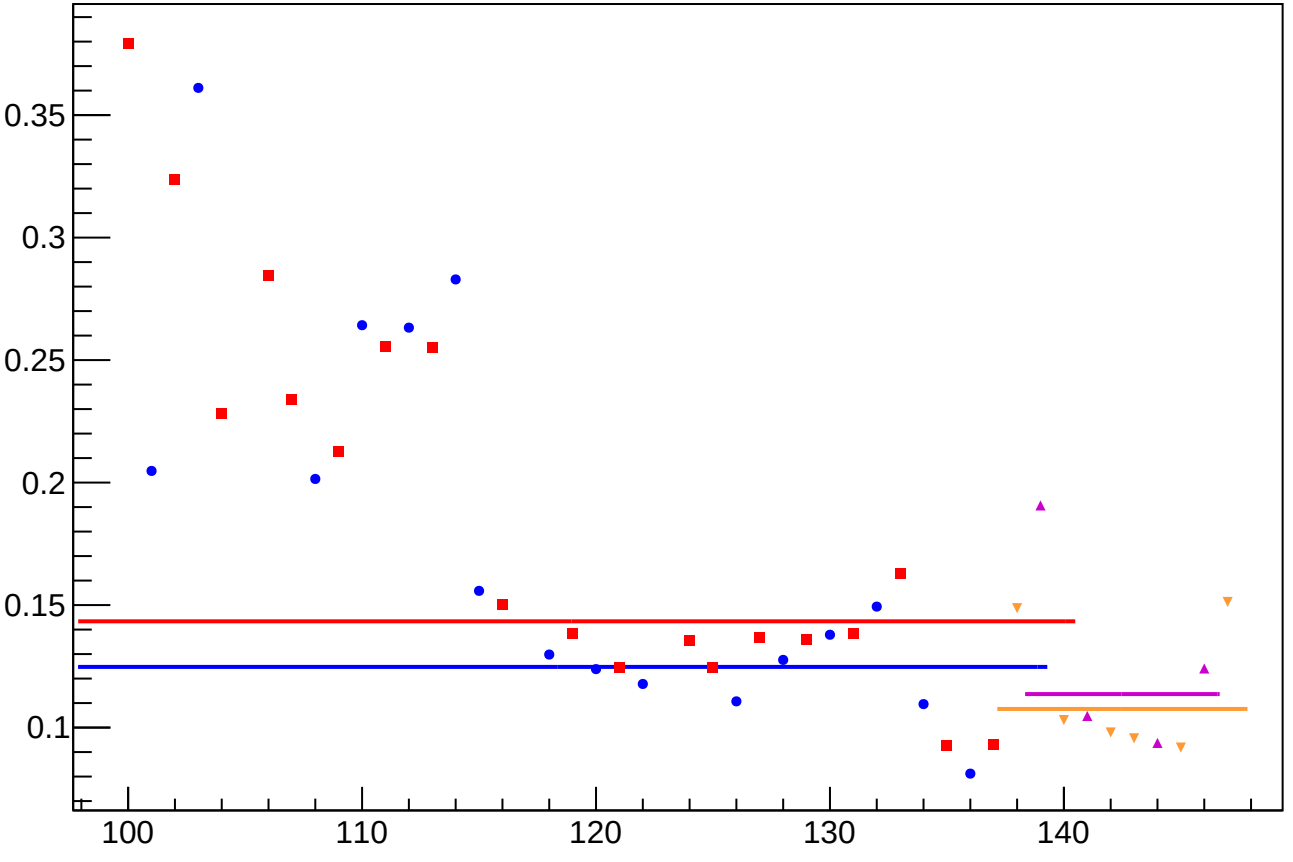
Left In: 26.040+/-0.000 χ^2/NDF:526630200.9/3

+ sign 23.808+/-0.000 χ^2/NDF: 2807697450.8/21

All: 23.895+/-0.000 χ^2/NDF: 6236409585.8/4

- sign 24.009+/-0.000 χ^2/NDF: 3417102523.2/22

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:300672.0/5

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

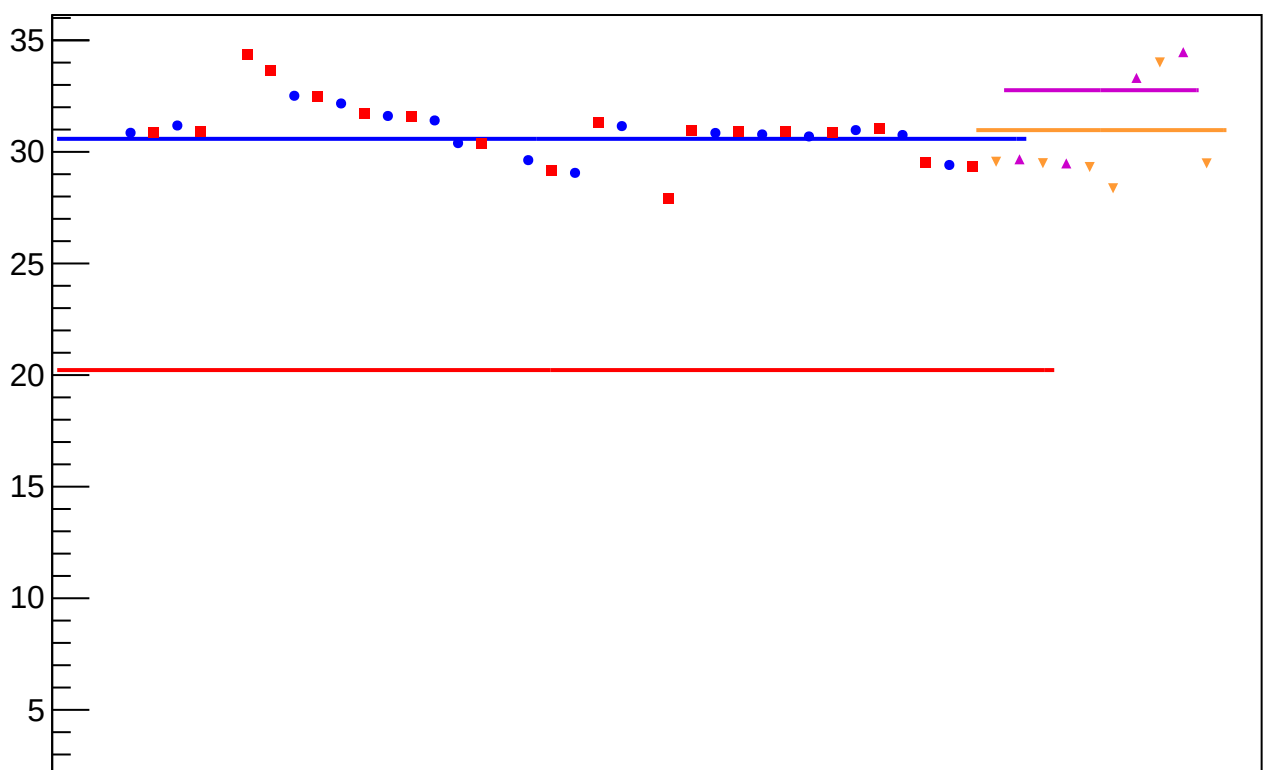
Left In: 0.114+/-0.000 χ^2/NDF:363027.9/3

+ sign 0.117+/-0.000 χ^2/NDF: 2147019.4/21

All: 0.122+/-0.000 χ^2/NDF: 4404804.5/44

- sign 0.130+/-0.000 χ^2/NDF: 2153005.7/22

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.975+/-0.000 χ^2/NDF:4225604463.8/5

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

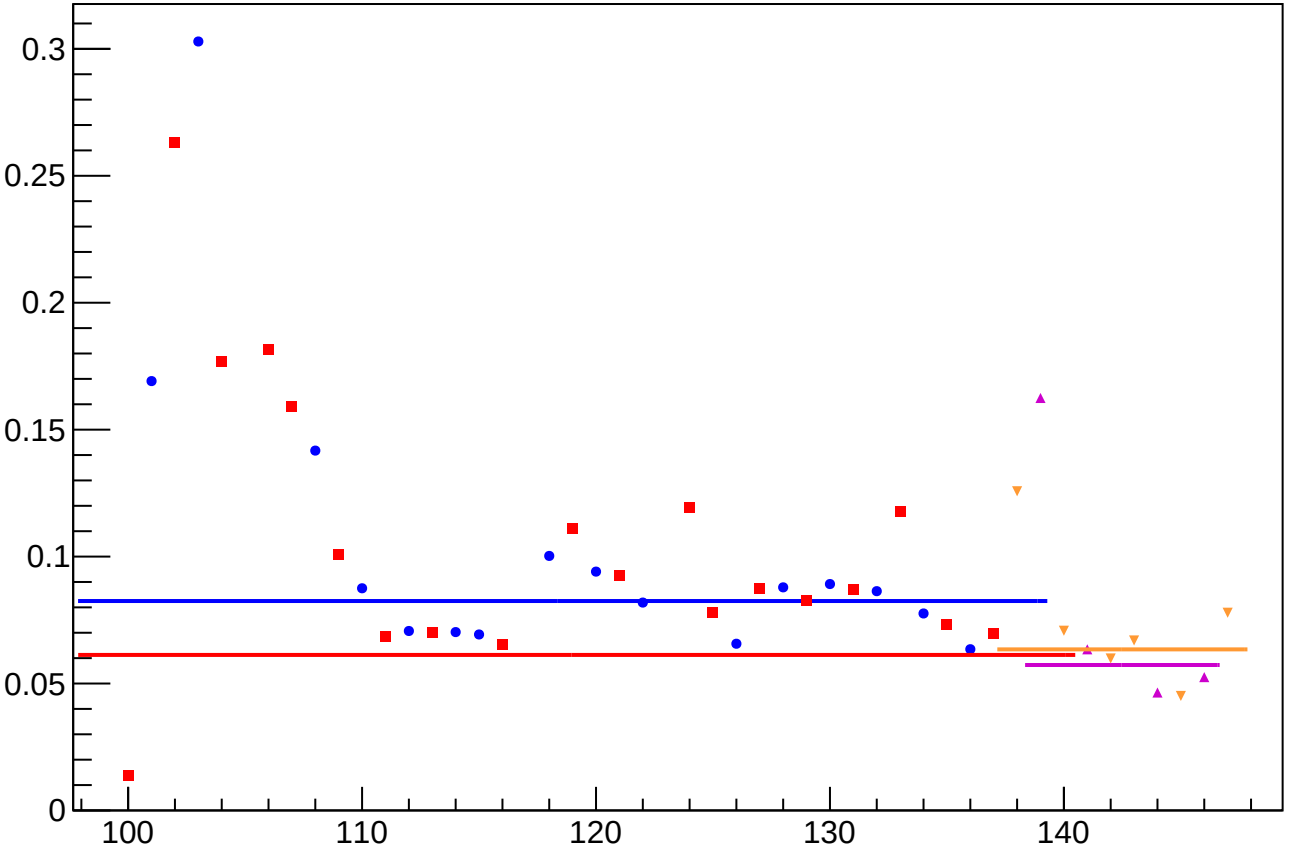
Left In: 32.763+/-0.000 χ^2/NDF:2625661433.0/3

+ sign 30.777+/-0.000 χ^2/NDF: 4935908856.9/21

All: 27.724+/-0.000 χ^2/NDF: 321910008533.

- sign 25.115+/-0.000 χ^2/NDF: 290621249559.7/22

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.063+/-0.000 χ^2/NDF:571594.9/5

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

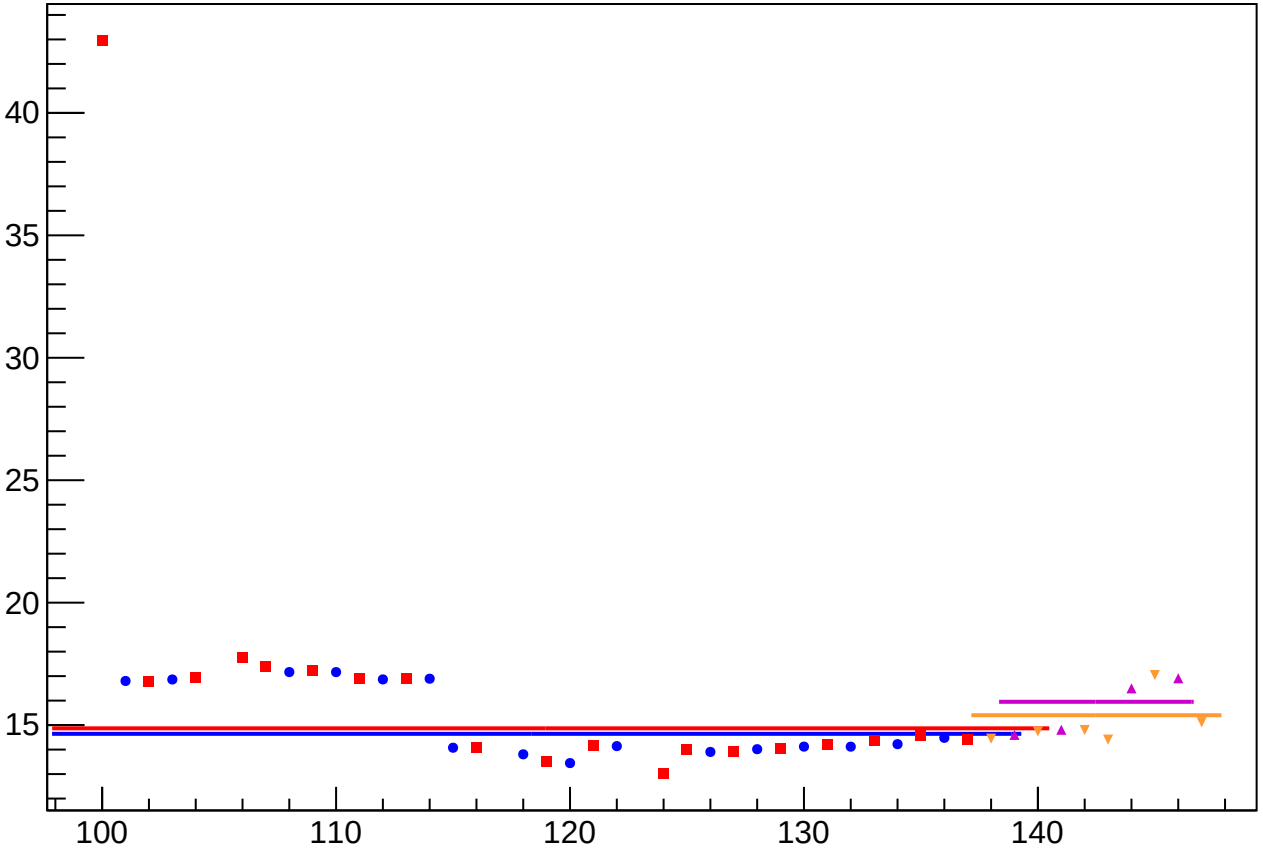
Left In: 0.057+/-0.000 χ^2/NDF:783195.3/3

+ sign 0.073+/-0.000 χ^2/NDF: 2109650.0/21

All: 0.066+/-0.000 χ^2/NDF: 7215758.2/44

- sign 0.060+/-0.000 χ^2/NDF: 4810850.4/22

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.402+/-0.000 χ^2/NDF:898469195.7/5

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

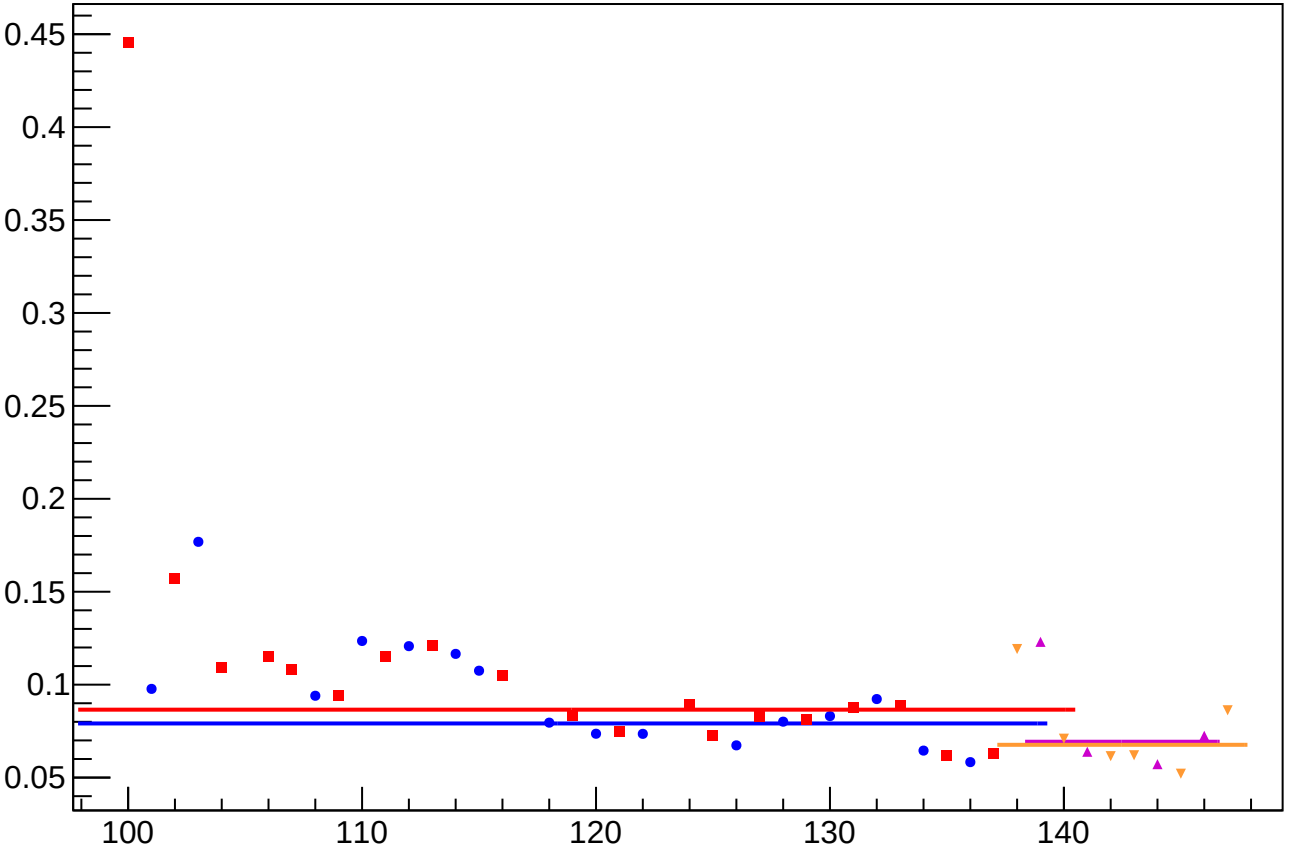
Left In: 15.952+/-0.000 χ^2/NDF:500888432.6/3

+ sign 14.979+/-0.000 χ^2/NDF: 2330598616.2/21

All: 15.129+/-0.000 χ^2/NDF: 5038025844.3/4

- sign 15.310+/-0.000 χ^2/NDF: 2624121367.0/22

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:465588.4/5

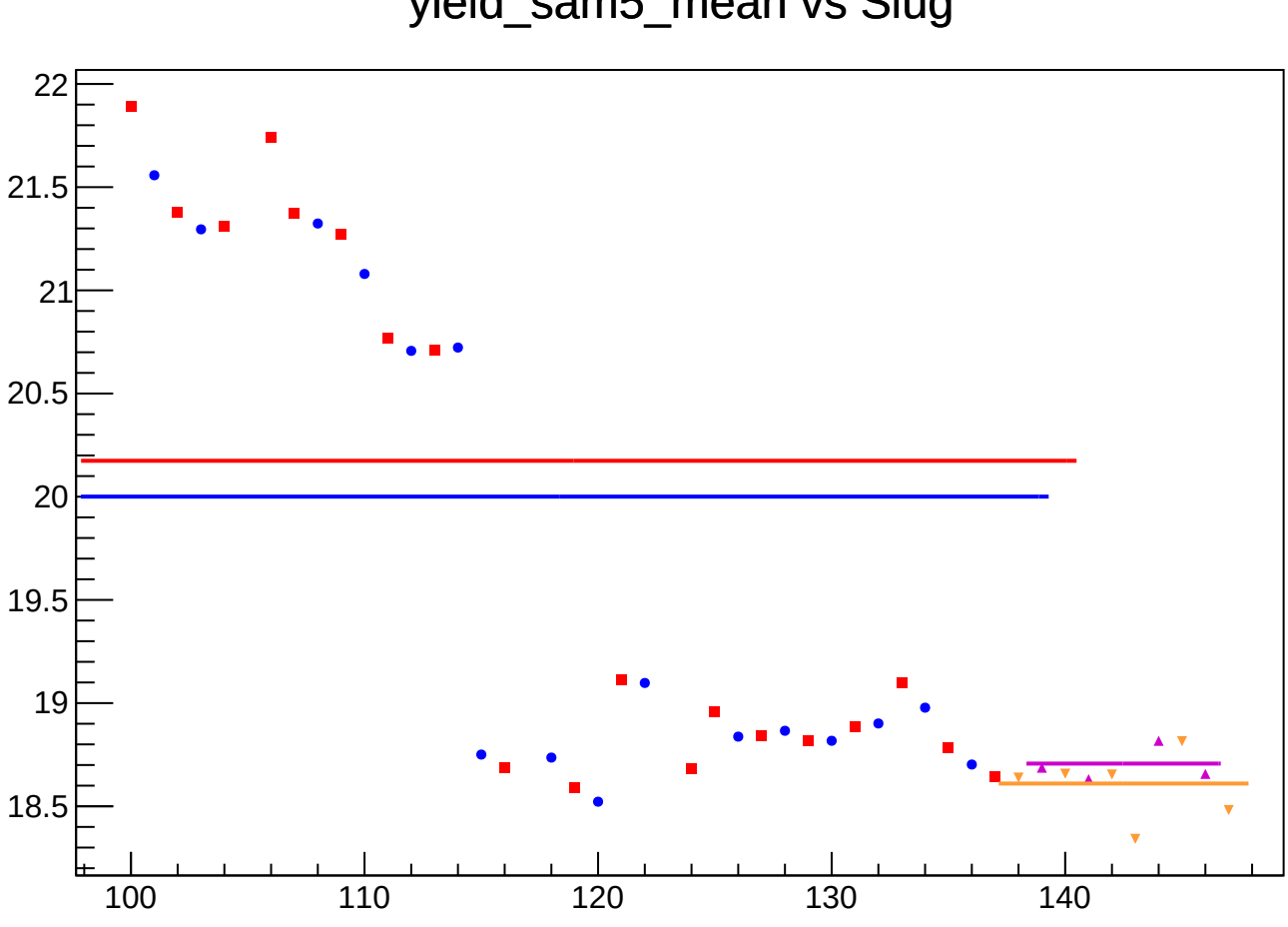
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:385579.5/3

+ sign 0.074+/-0.000 χ^2/NDF: 1493249.8/21

All: 0.077+/-0.000 χ^2/NDF: 2916855.4/44

- sign 0.080+/-0.000 χ^2/NDF: 1378432.0/22



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.610+/-0.000 χ^2/NDF:108877312.6/5

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

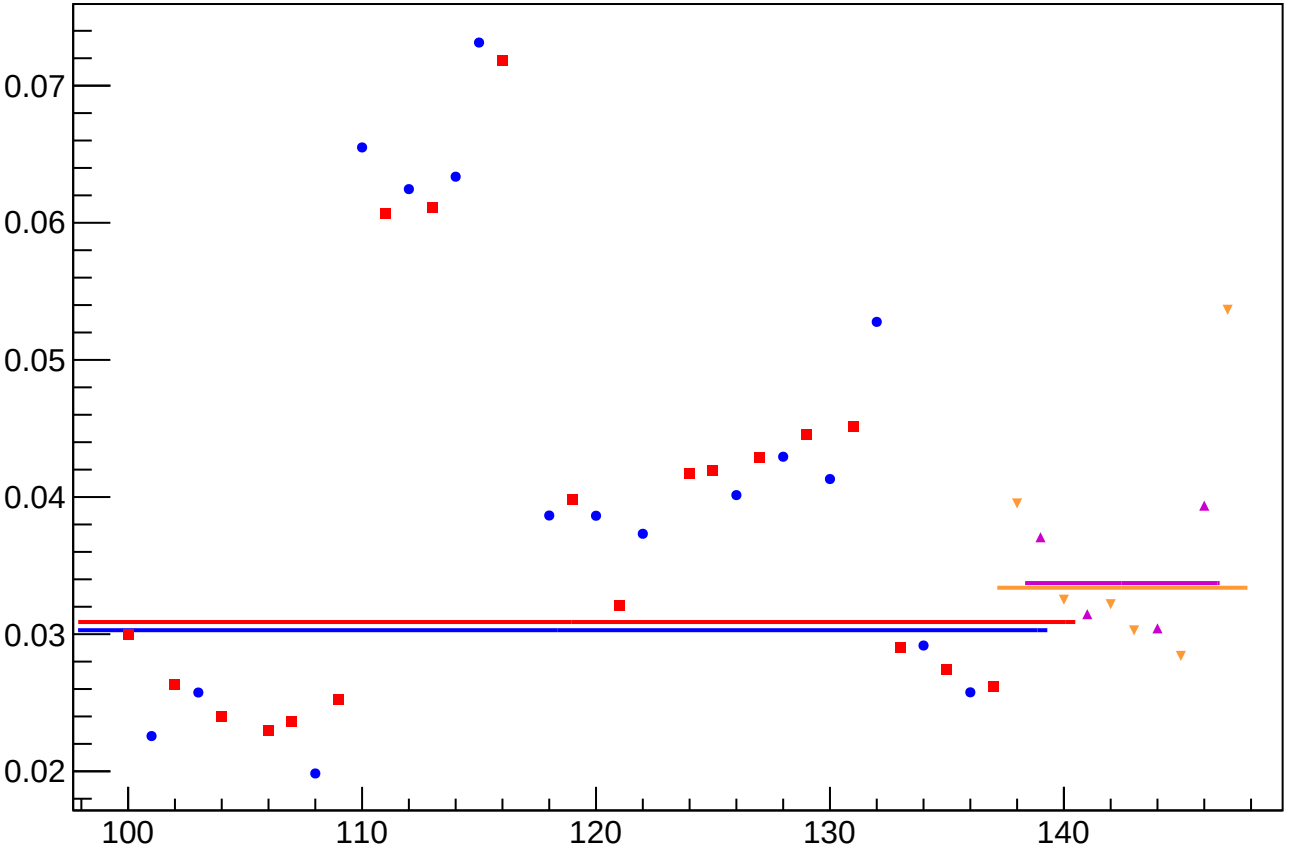
Left In: 18.707+/-0.000 χ^2/NDF:17546995.5/3

+ sign 19.495+/-0.000 χ^2/NDF: 15550979355.6/21

All: 19.605+/-0.000 χ^2/NDF: 30555512897.5

- sign 19.724+/-0.000 χ^2/NDF: 14748644708.0/22

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:330954.6/5

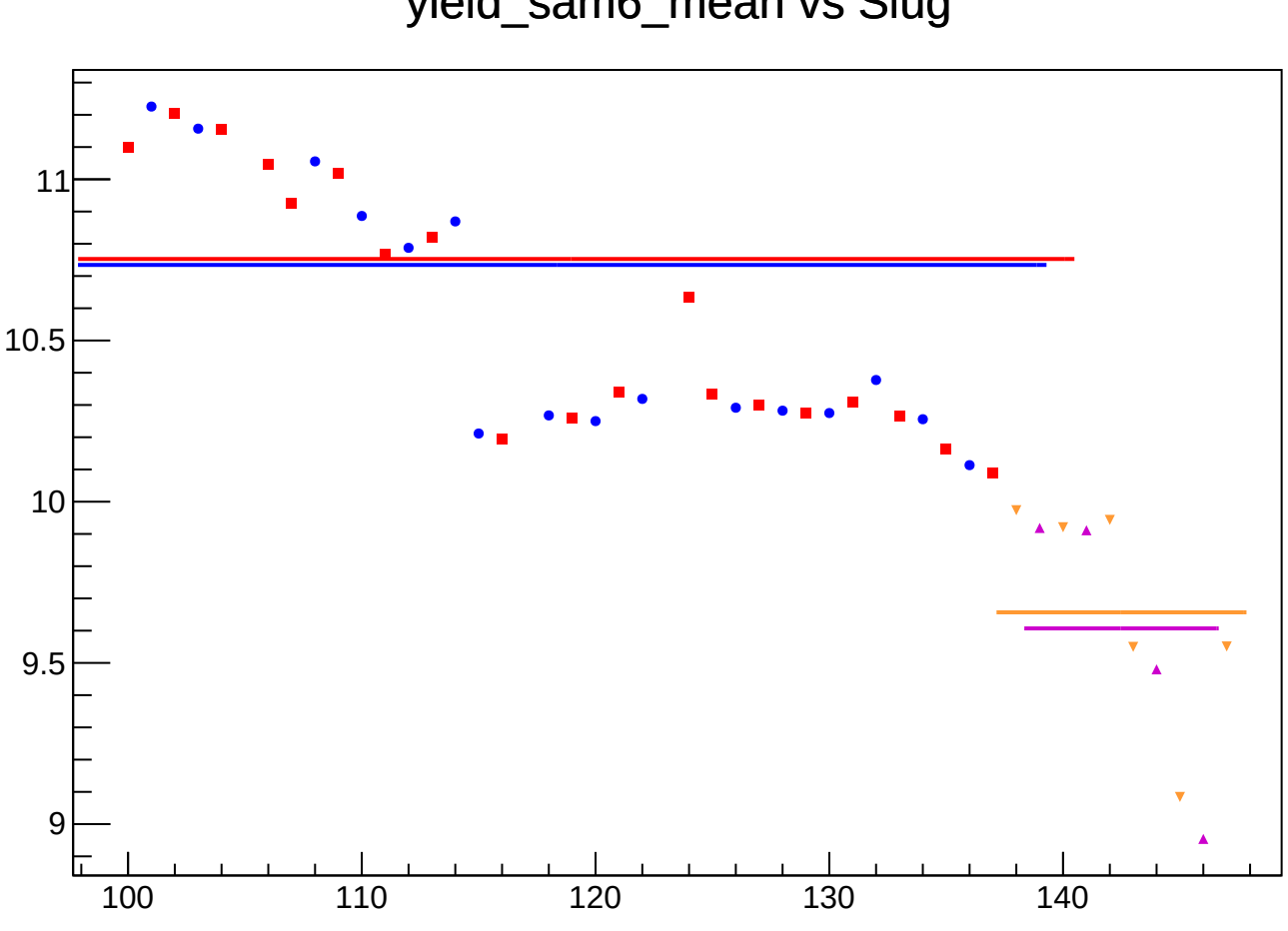
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.034+/-0.000 χ^2/NDF:75858.8/3

+ sign 0.031+/-0.000 χ^2/NDF: 1823592.7/21

All: 0.032+/-0.000 χ^2/NDF: 3137615.5/44

- sign 0.032+/-0.000 χ^2/NDF: 1312870.4/22



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.657+/-0.000 χ^2/NDF:1063036150.7/5

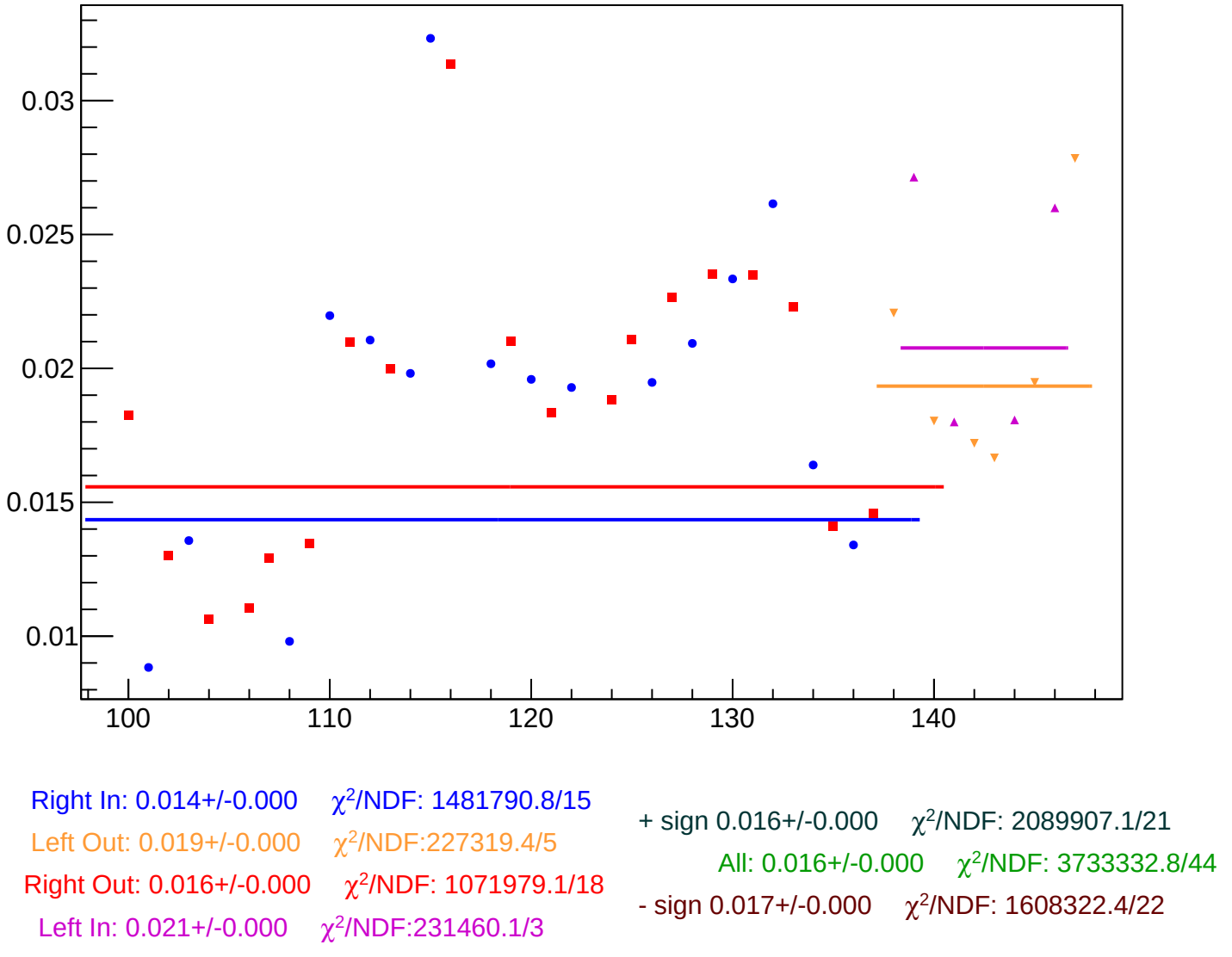
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.607+/-0.000 χ^2/NDF:889843418.4/3

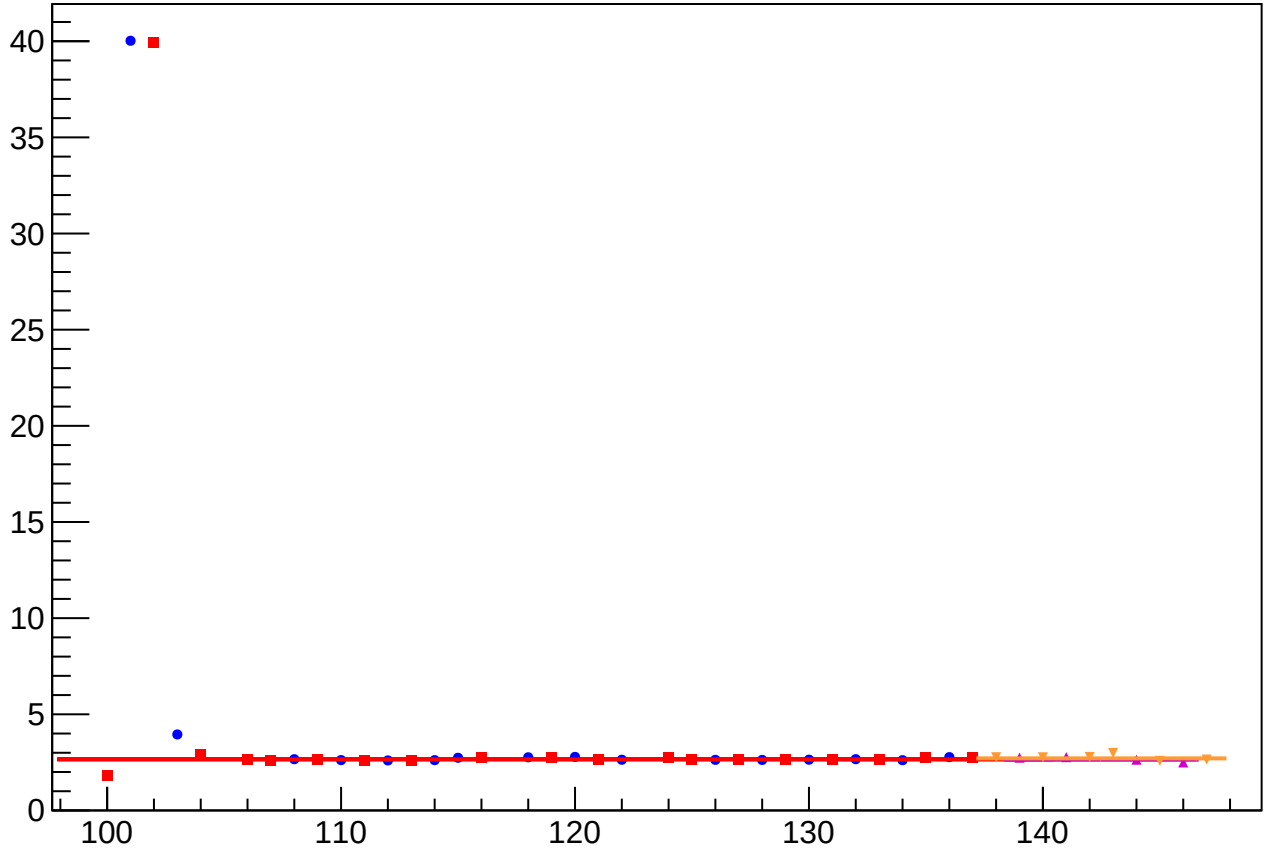
+ sign 10.436+/-0.000 χ^2/NDF: 15827041002.6/21

All: 10.465+/-0.000 χ^2/NDF: 28572067558.6

- sign 10.498+/-0.000 χ^2/NDF: 12676282527.2/22


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.019+/-0.000 χ²/NDF:227319.4/5
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.021+/-0.000 χ²/NDF:231460.1/3
+ sign 0.016+/-0.000 χ²/NDF: 2089907.1/21
All: 0.016+/-0.000 χ²/NDF: 3733332.8/44
- sign 0.017+/-0.000 χ²/NDF: 1608322.4/22

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.708+/-0.000 χ^2/NDF:14134620344.2/5

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

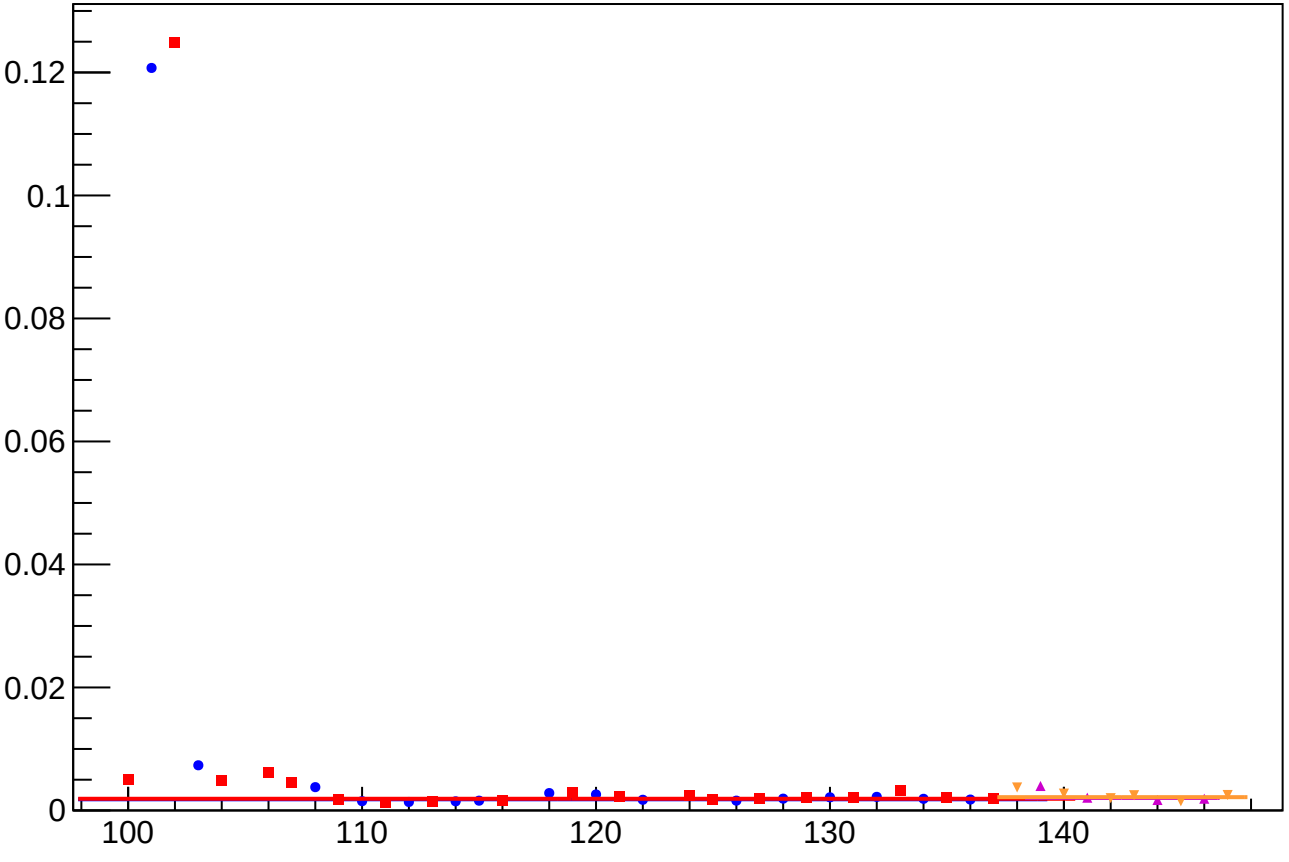
Left In: 2.638+/-0.000 χ^2/NDF:7318585065.3/3

+ sign 2.678+/-0.000 χ^2/NDF: 82908514823.2/21

All: 2.665+/-0.000 χ^2/NDF: 156259413883.6

- sign 2.651+/-0.000 χ^2/NDF: 72533884068.7/22

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:612838.9/5

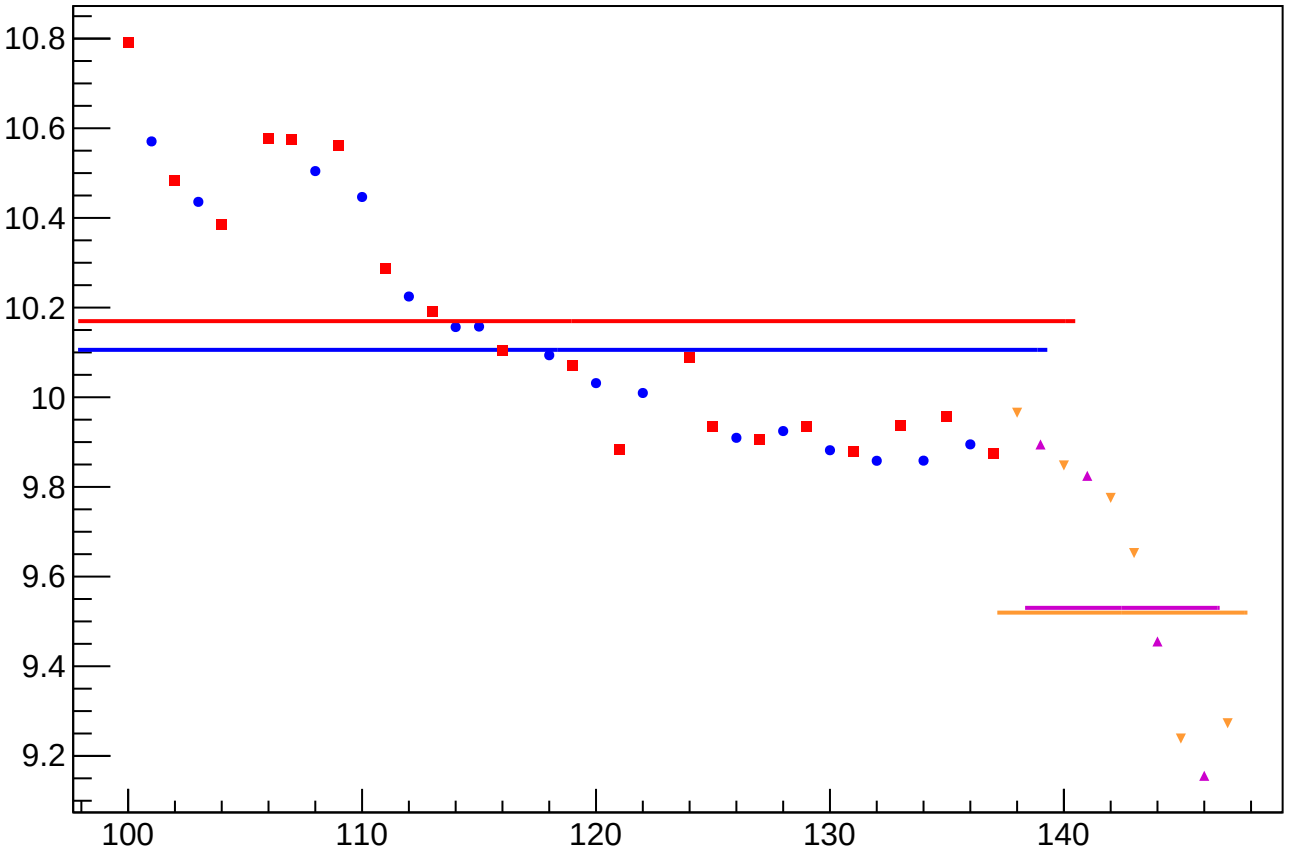
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:441405.0/3

+ sign 0.002+/-0.000 χ^2/NDF: 2550399.0/21

All: 0.002+/-0.000 χ^2/NDF: 5534263.2/44

- sign 0.002+/-0.000 χ^2/NDF: 2983503.9/22



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.520+/-0.000 χ^2/NDF:5934167011.4/5

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

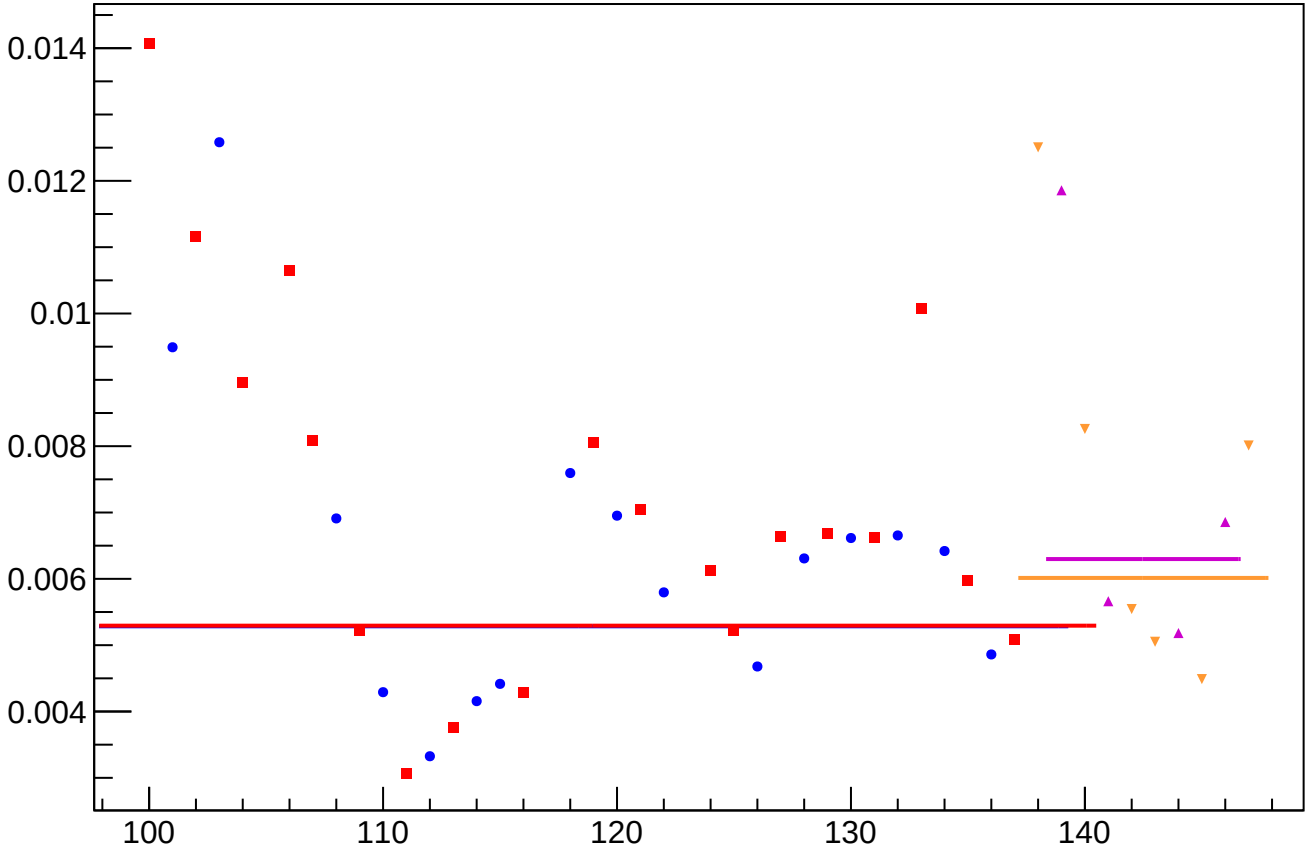
Left In: 9.530+/-0.000 χ^2/NDF:4754949572.2/3

+ sign 9.922+/-0.000 χ^2/NDF: 35901793667.8/21

All: 9.965+/-0.000 χ^2/NDF: 70904853605.6/4

- sign 10.011+/-0.000 χ^2/NDF: 33935412033.2/22

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:740665.9/5

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

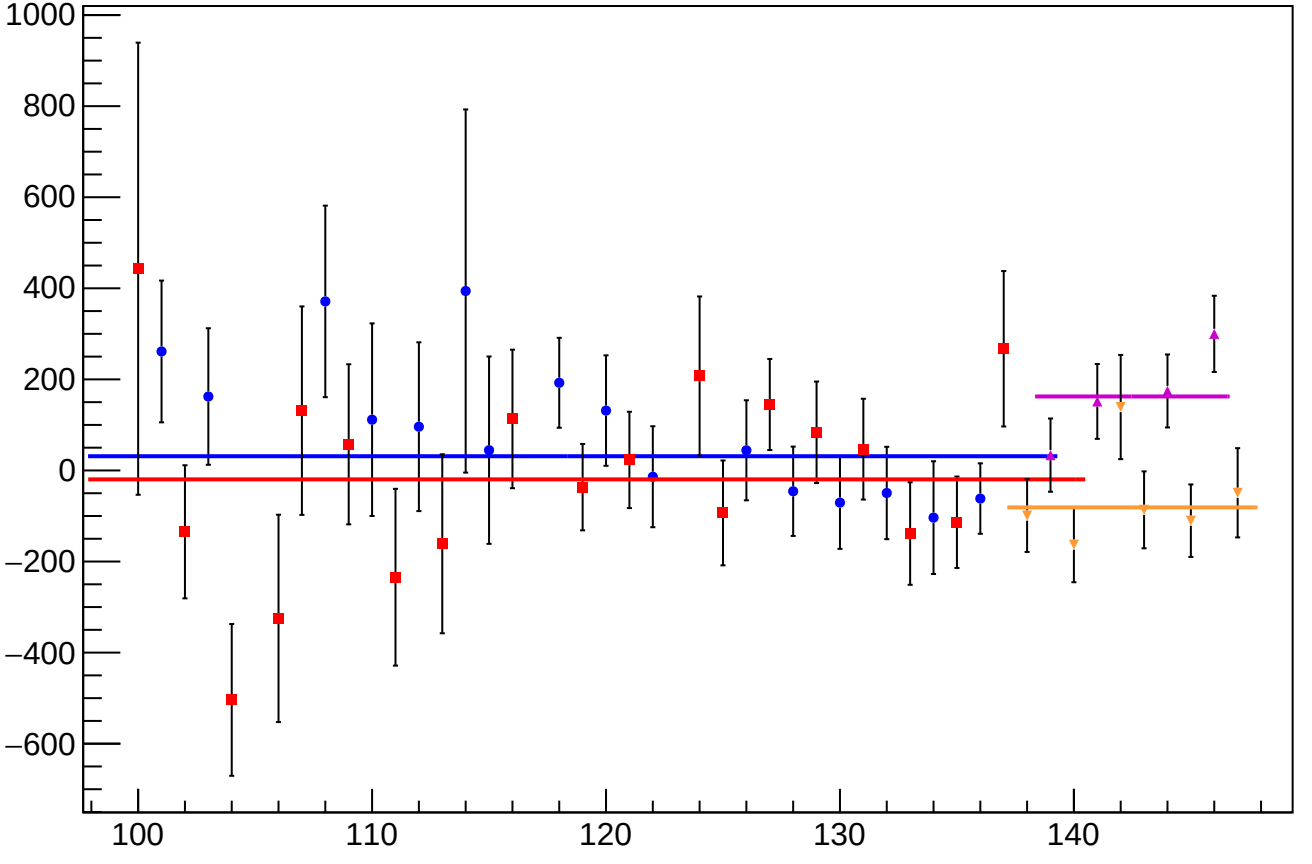
Left In: 0.006+/-0.000 χ^2/NDF:431967.3/3

+ sign 0.006+/-0.000 χ^2/NDF: 2079330.9/21

All: 0.006+/-0.000 χ^2/NDF: 4402663.0/44

- sign 0.006+/-0.000 χ^2/NDF: 2323074.7/22

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.129+/-35.758 χ^2/NDF:5.0/5

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

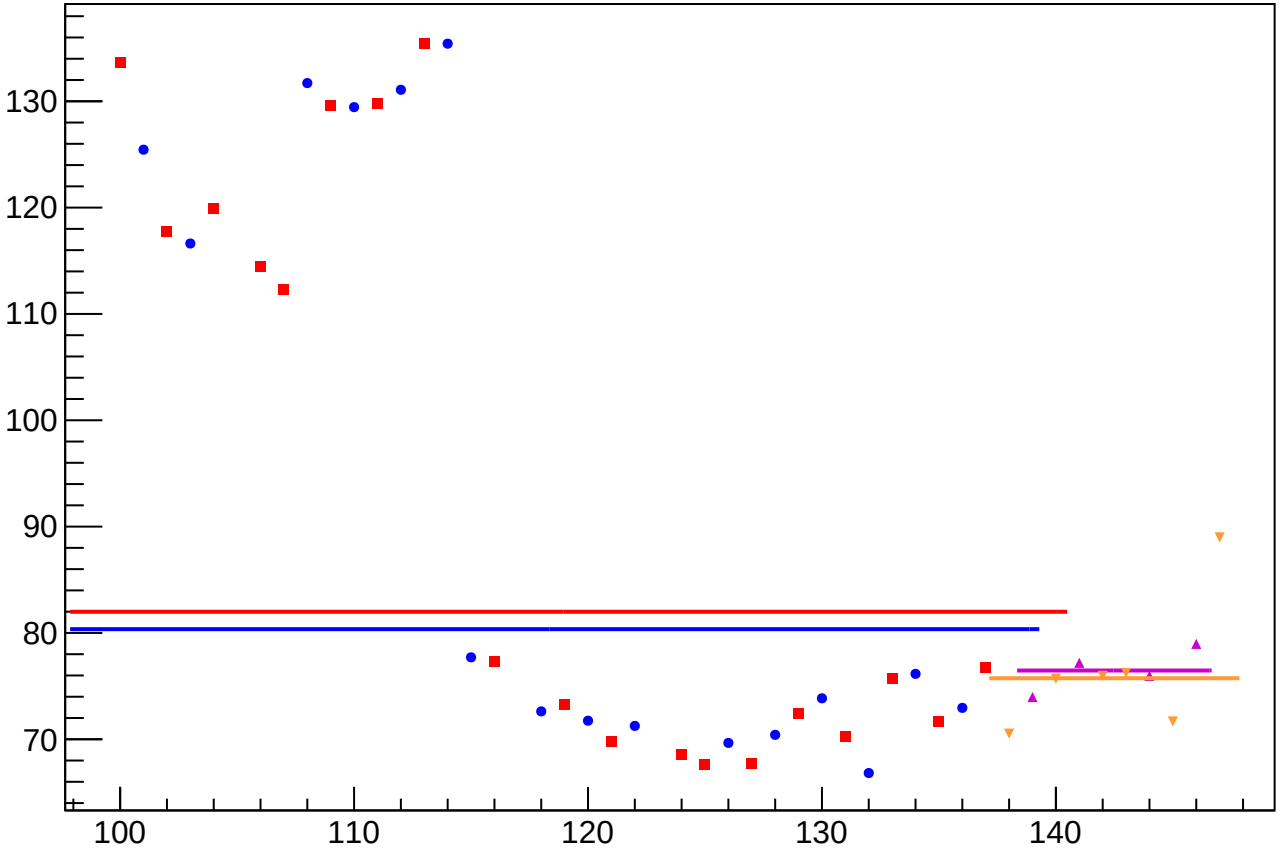
Left In: 162.483+/-40.776 χ^2/NDF:5.3/3

+ sign -16.591+/-23.331 χ^2/NDF: 25.7/21

All: 13.510+/-16.963 χ^2/NDF: 73.1/44

- sign 47.269+/-24.708 χ^2/NDF: 43.8/22

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

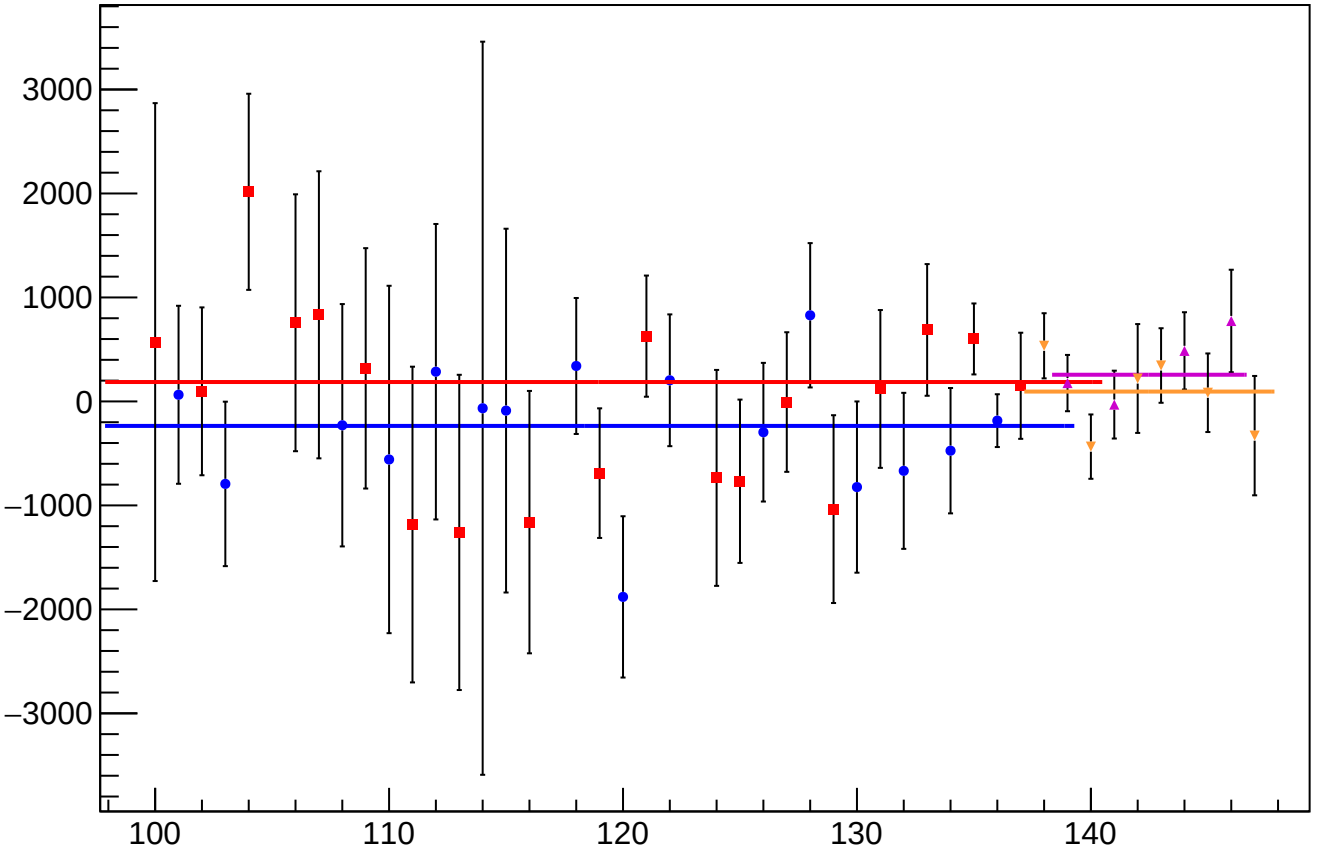
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 78.390+/-0.016 χ^2/NDF: 909480.7/21

All: 79.132+/-0.012 χ^2/NDF: 1873311.6/44

- sign 79.964+/-0.017 χ^2/NDF: 959540.8/22

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.771+/-154.113 χ^2/NDF:6.0/5

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

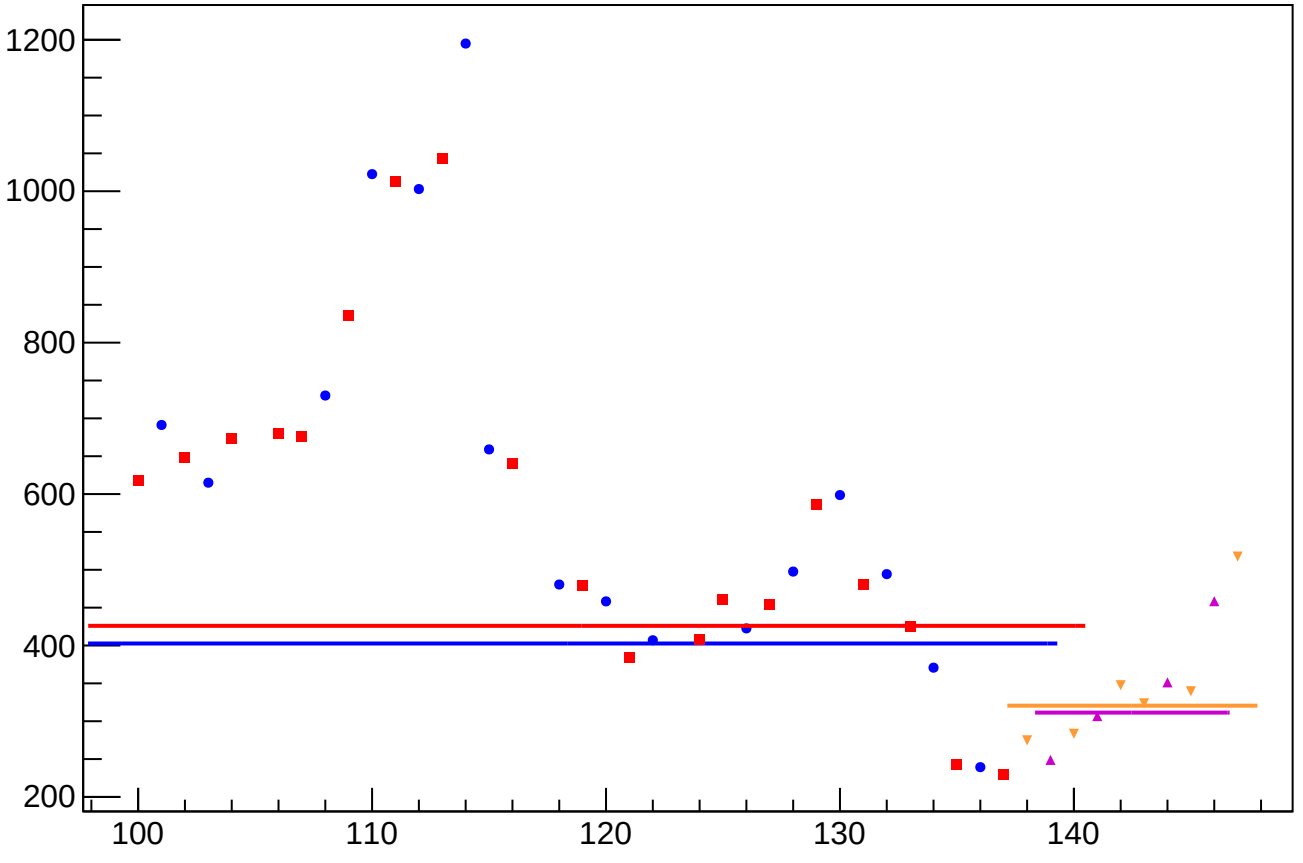
Left In: 256.624+/-170.531 χ^2/NDF:2.3/3

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 70.573+/-82.139 χ^2/NDF: 39.4/44

- sign 221.593+/-120.535 χ^2/NDF: 18.4/22

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 320.528+/-0.109 χ^2/NDF:317364.1/5

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

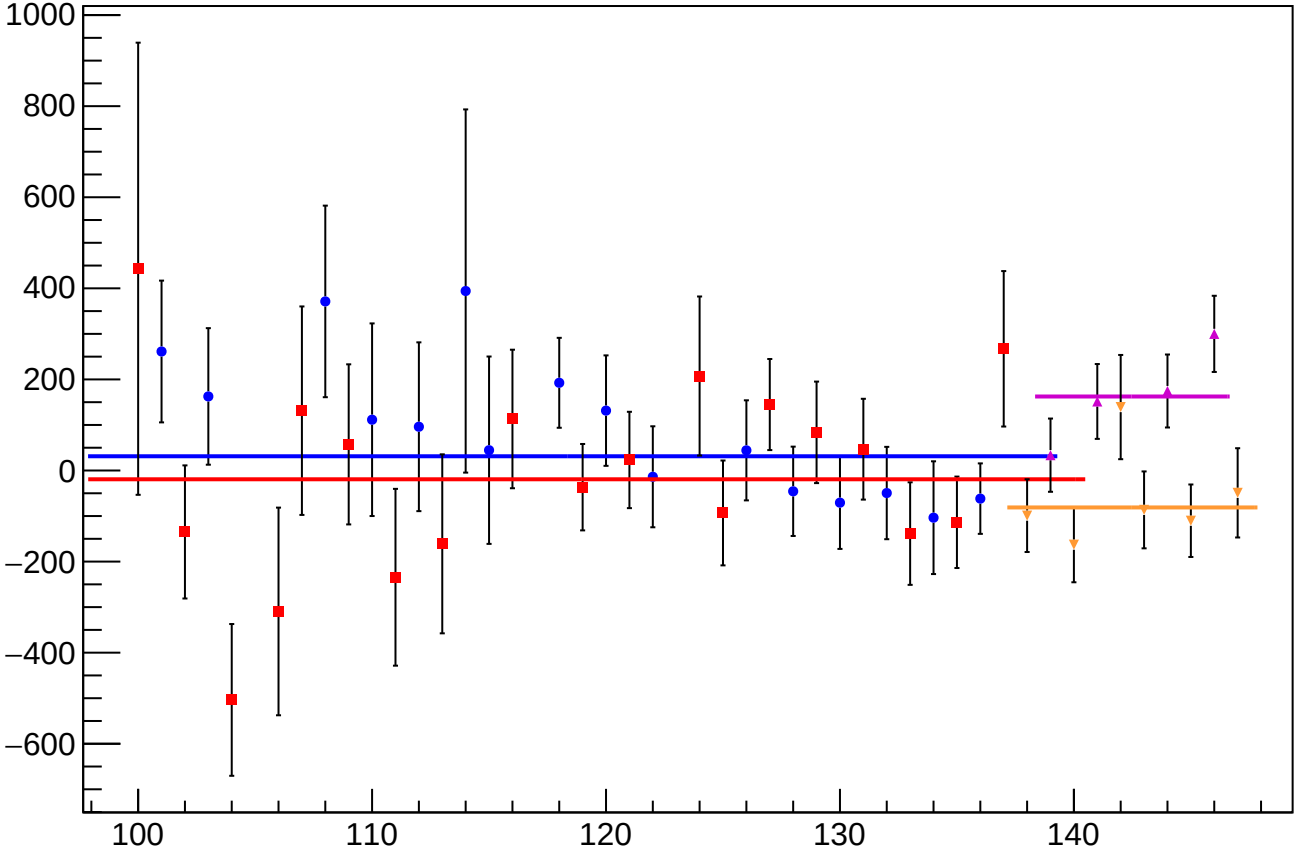
Left In: 311.381+/-0.121 χ^2/NDF:308307.5/3

+ sign 359.101+/-0.079 χ^2/NDF: 2944228.4/21

All: 363.571+/-0.058 χ^2/NDF: 6080120.5/44

- sign 368.726+/-0.085 χ^2/NDF: 3129061.3/22

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.133+/-35.758 χ^2/NDF:5.0/5

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

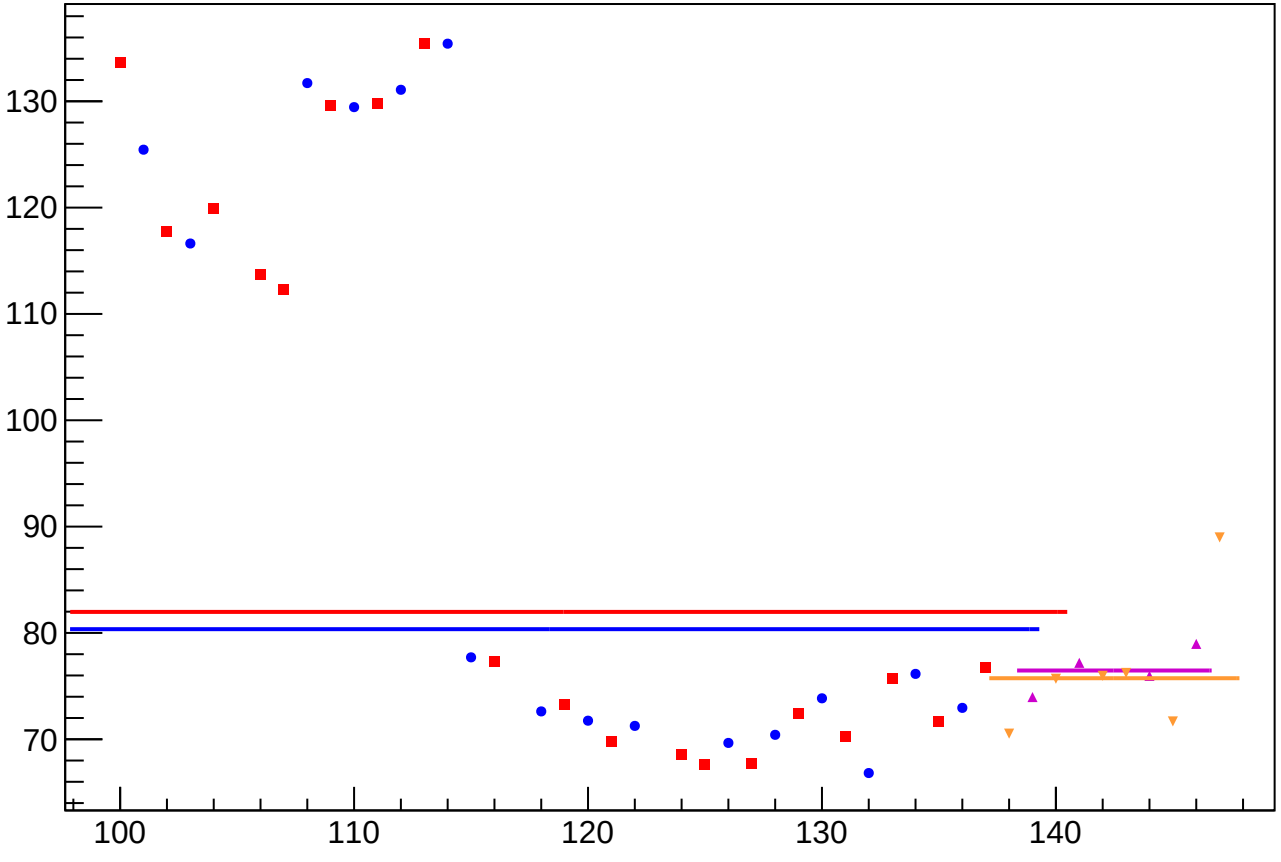
Left In: 162.489+/-40.776 χ^2/NDF:5.3/3

+ sign -16.586+/-23.331 χ^2/NDF: 25.7/21

All: 13.601+/-16.963 χ^2/NDF: 72.9/44

- sign 47.458+/-24.708 χ^2/NDF: 43.6/22

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

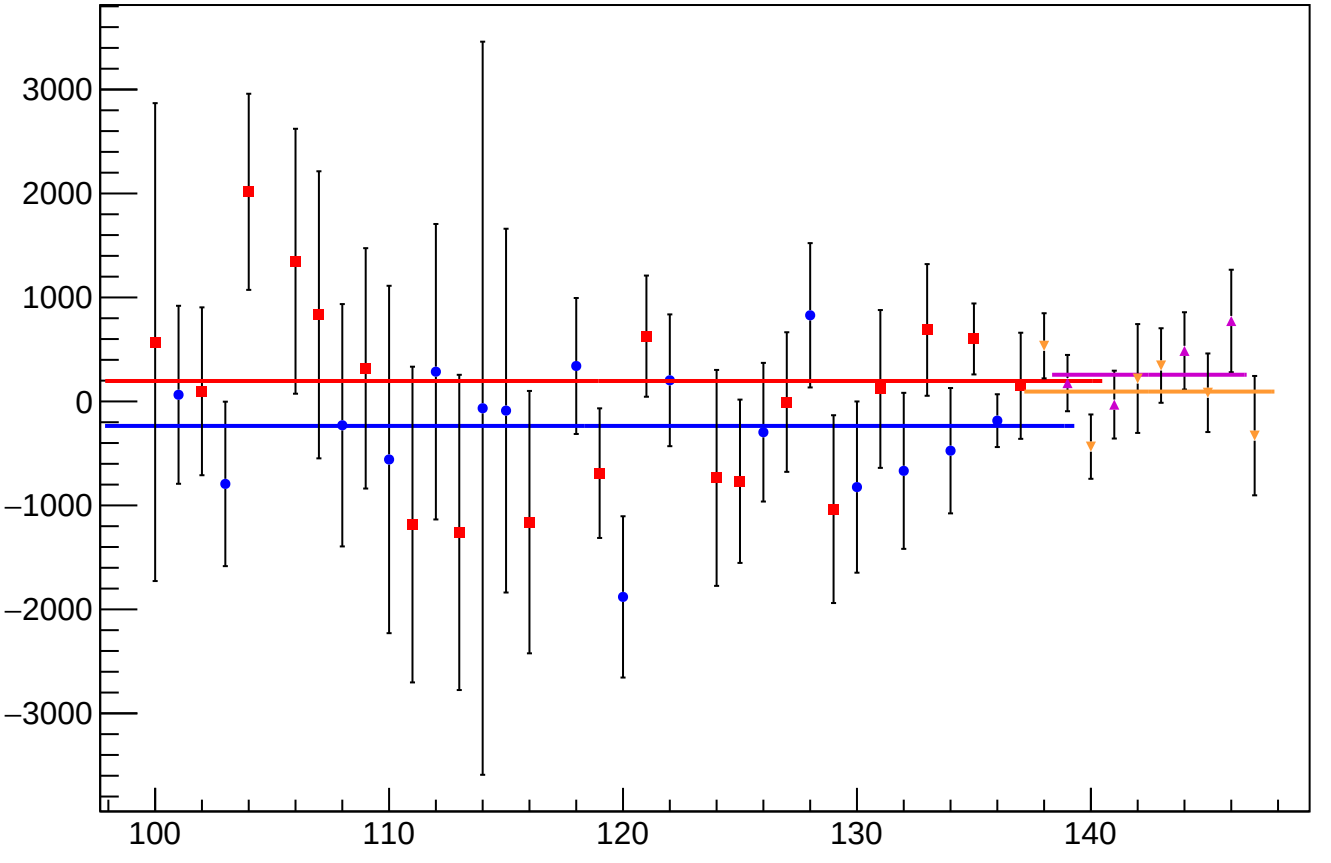
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 78.390+/-0.016 χ^2/NDF: 909480.9/21

All: 79.127+/-0.012 χ^2/NDF: 1871261.4/44

- sign 79.954+/-0.017 χ^2/NDF: 957542.8/22

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

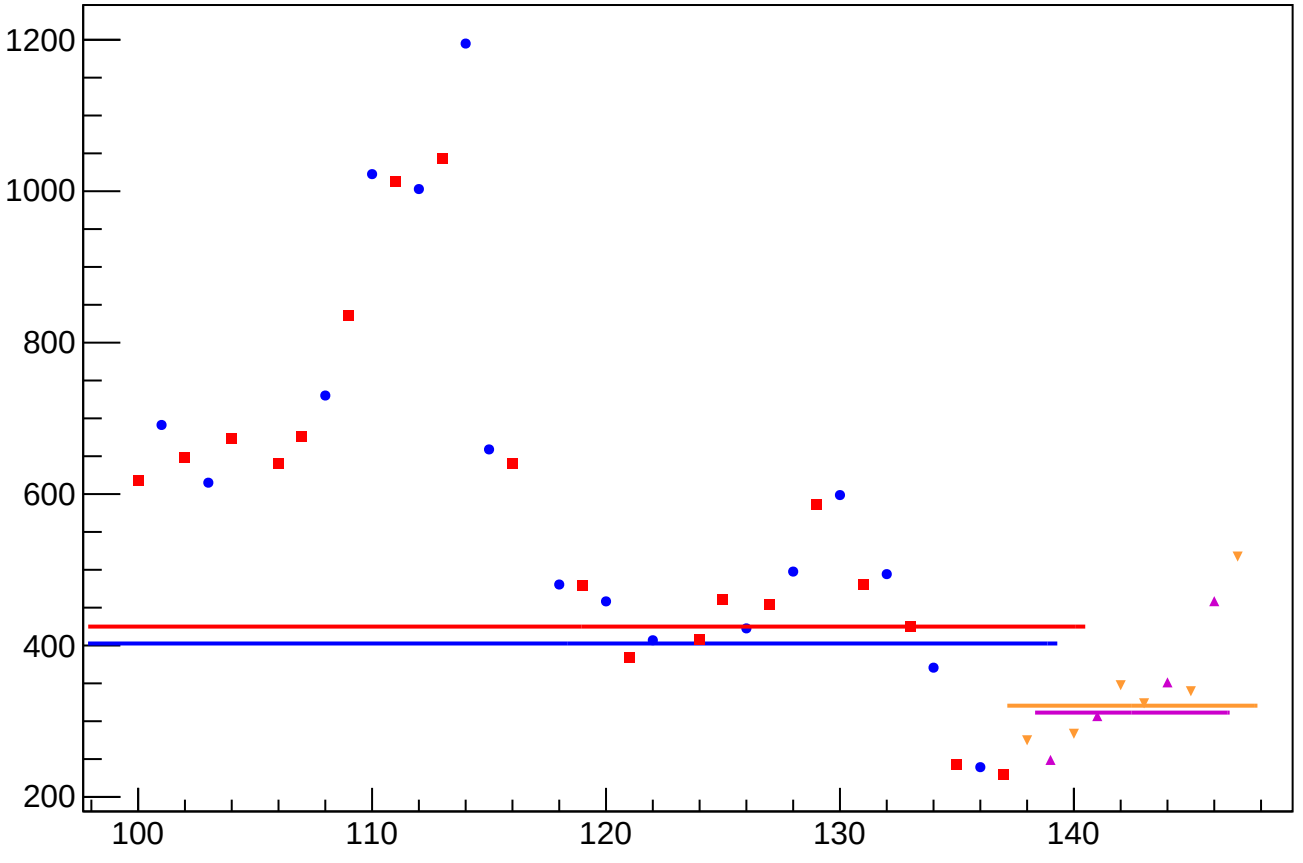
Left In: 256.625+/-170.531 χ^2/NDF:2.3/3

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 72.855+/-82.149 χ^2/NDF: 40.1/44

- sign 226.595+/-120.570 χ^2/NDF: 19.0/22

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

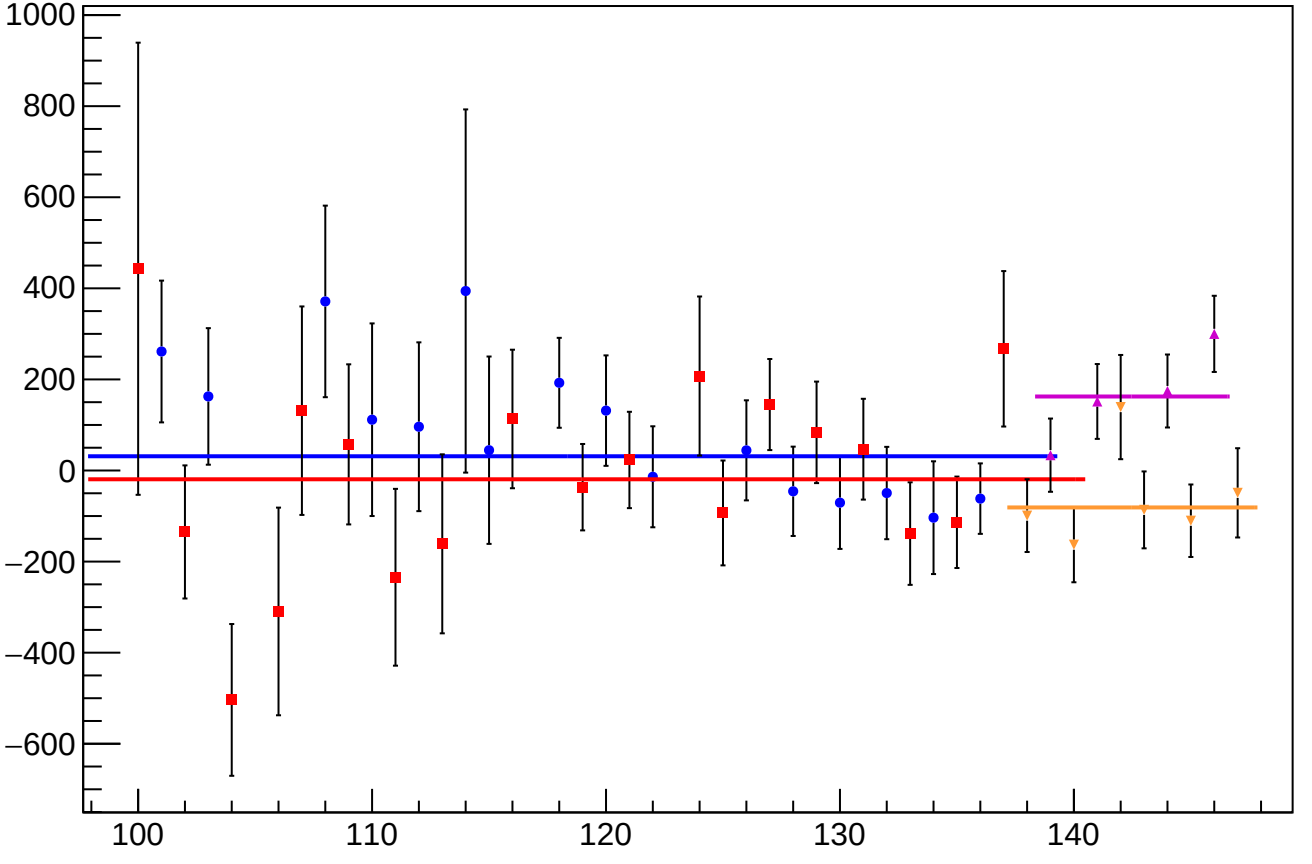
Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

+ sign 359.101+/-0.079 χ^2/NDF: 2944230.8/21

All: 363.324+/-0.058 χ^2/NDF: 6043584.6/44

- sign 368.197+/-0.085 χ^2/NDF: 3093255.2/22

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.133+/-35.758 χ^2/NDF:5.0/5

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

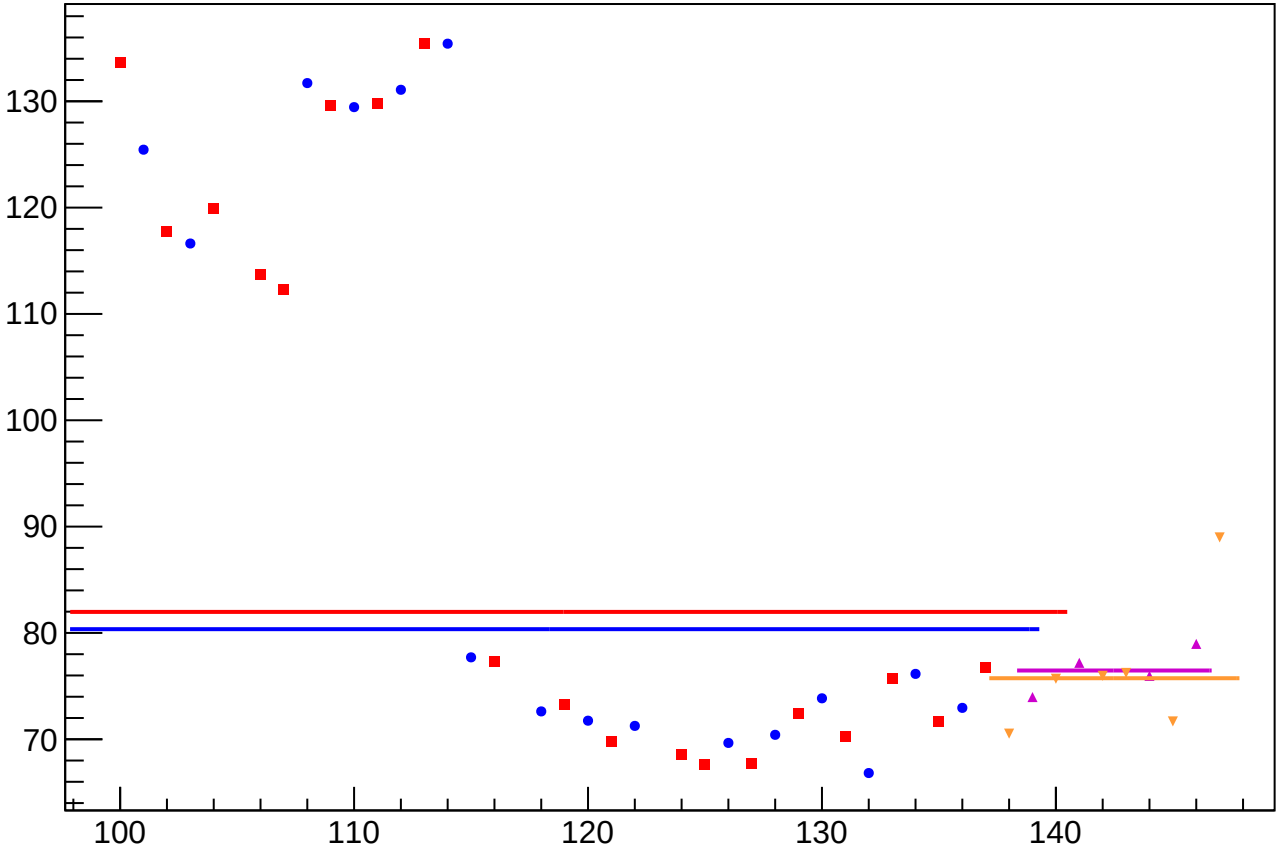
Left In: 162.489+/-40.776 χ^2/NDF:5.3/3

+ sign -16.586+/-23.331 χ^2/NDF: 25.7/21

All: 13.601+/-16.963 χ^2/NDF: 72.9/44

- sign 47.458+/-24.708 χ^2/NDF: 43.6/22

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

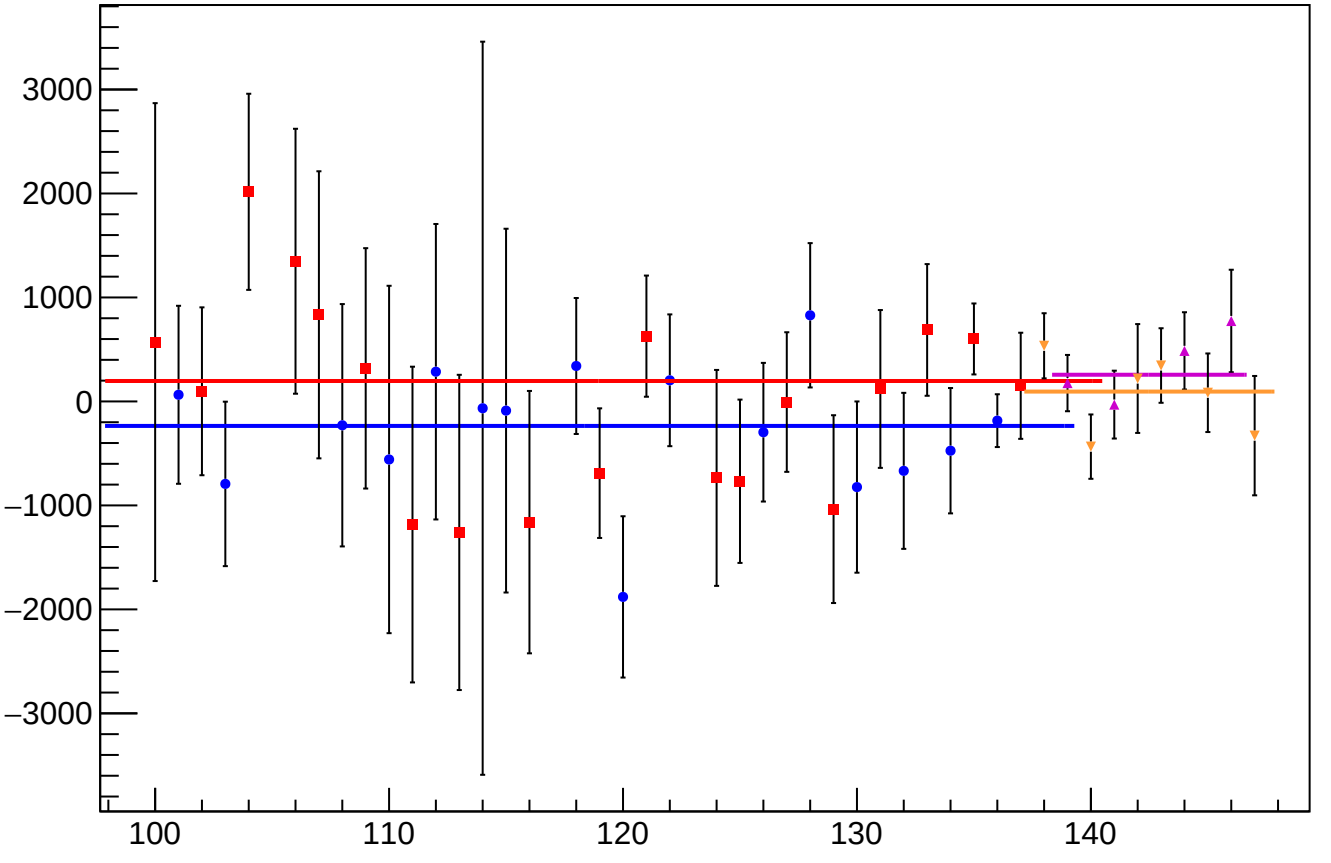
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 78.390+/-0.016 χ^2/NDF: 909480.9/21

All: 79.127+/-0.012 χ^2/NDF: 1871261.4/44

- sign 79.954+/-0.017 χ^2/NDF: 957542.8/22

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

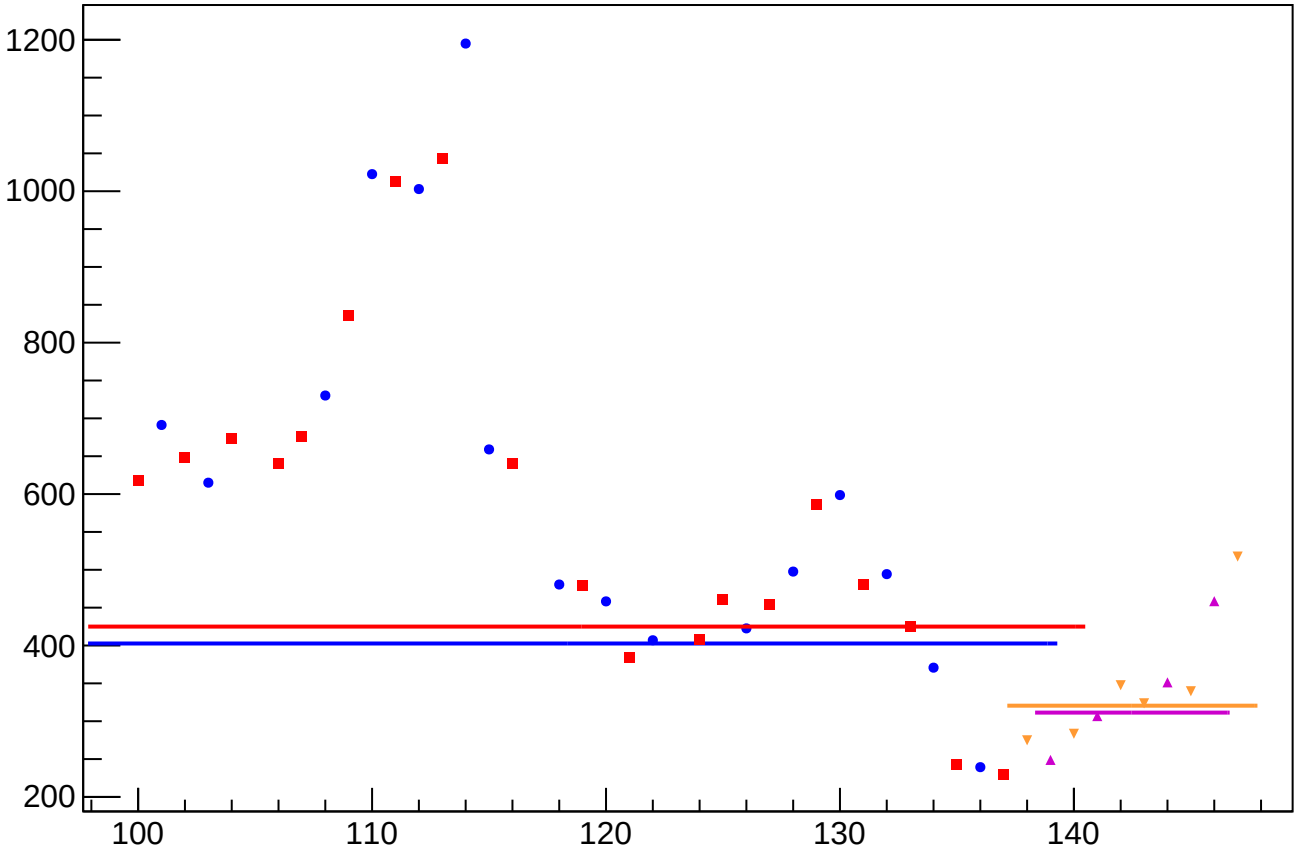
Left In: 256.625+/-170.531 χ^2/NDF:2.3/3

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 72.855+/-82.149 χ^2/NDF: 40.1/44

- sign 226.595+/-120.570 χ^2/NDF: 19.0/22

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

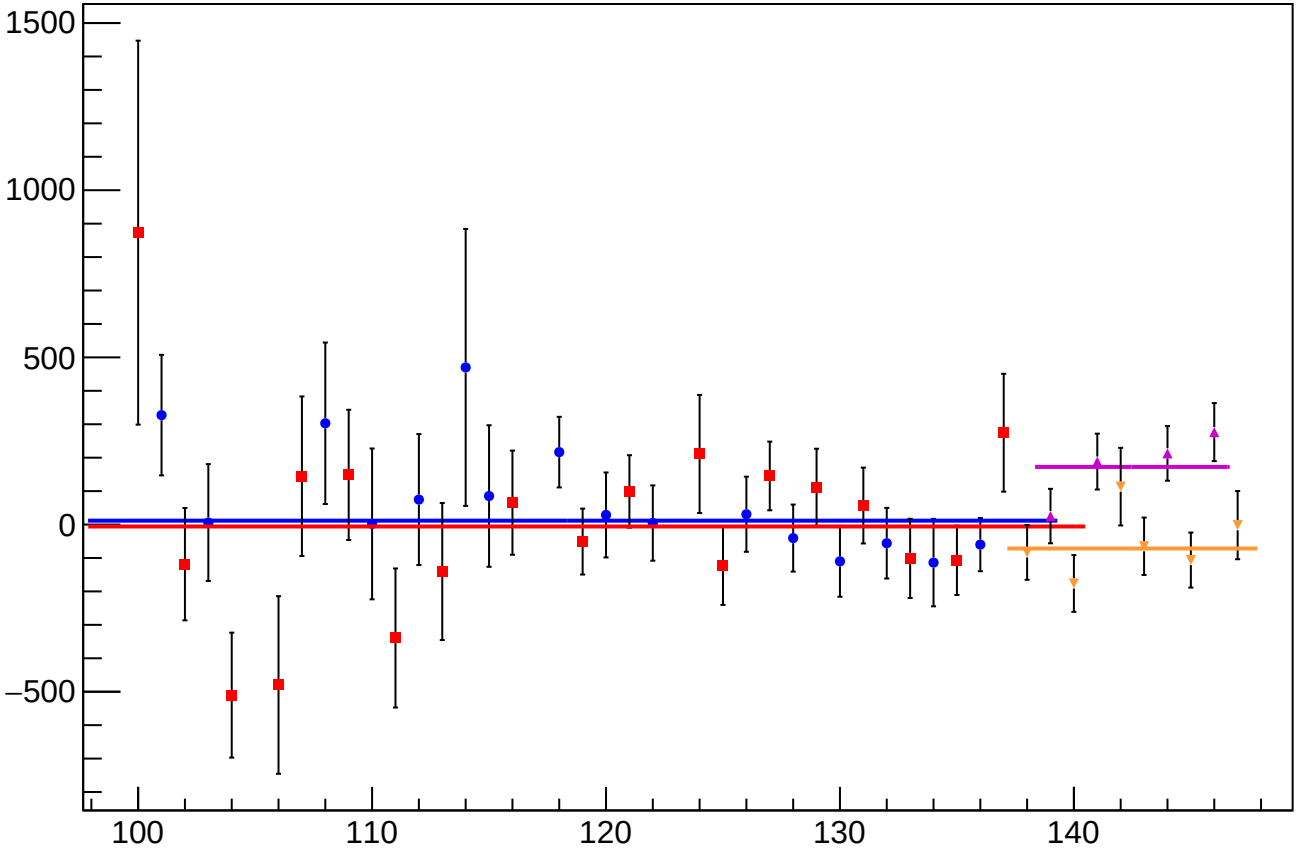
Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

+ sign 359.101+/-0.079 χ^2/NDF: 2944230.8/21

All: 363.324+/-0.058 χ^2/NDF: 6043584.6/44

- sign 368.197+/-0.085 χ^2/NDF: 3093255.2/22

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.658+/-36.714 χ^2/NDF:4.7/5

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

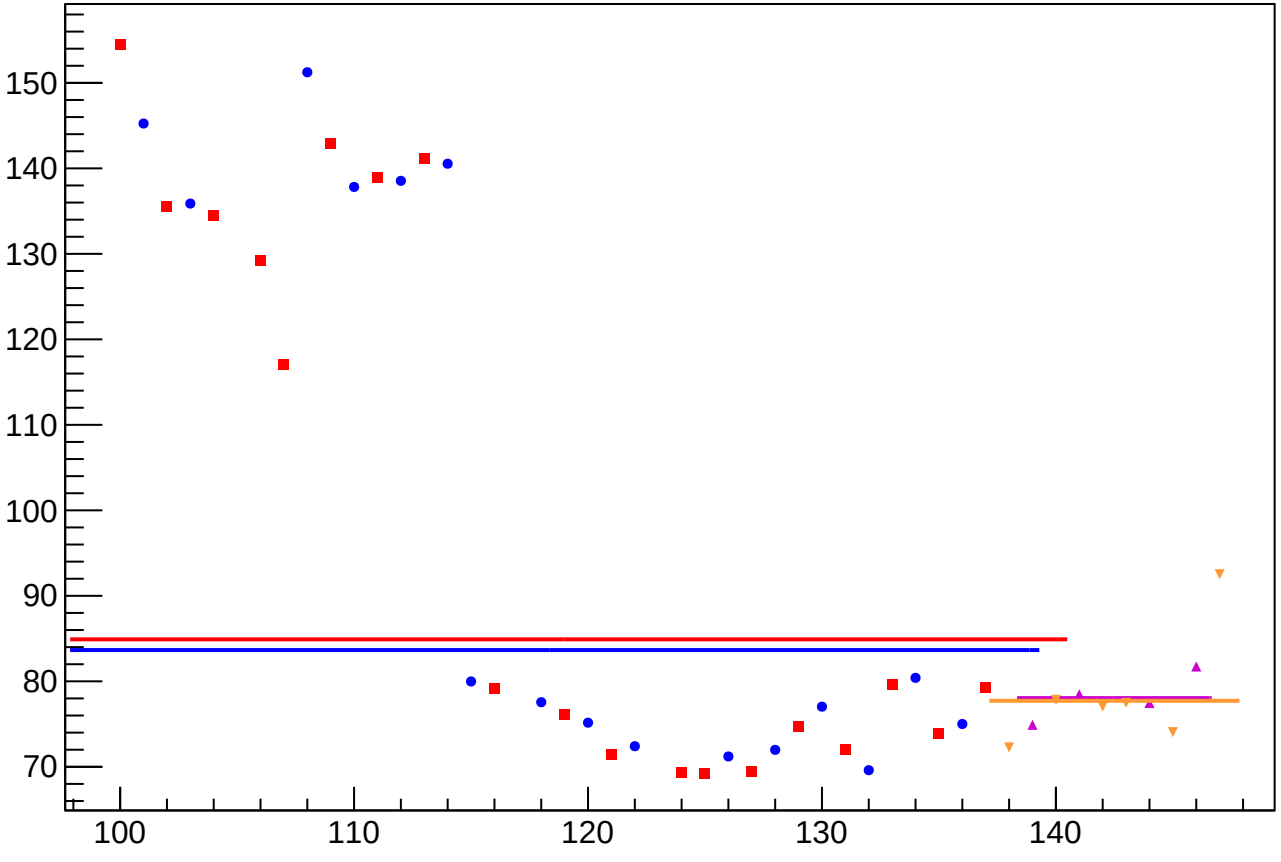
Left In: 172.375+/-41.653 χ^2/NDF:5.0/3

+ sign -24.693+/-24.250 χ^2/NDF: 21.2/21

All: 16.063+/-17.604 χ^2/NDF: 72.3/44

- sign 61.469+/-25.595 χ^2/NDF: 45.1/22

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.6/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

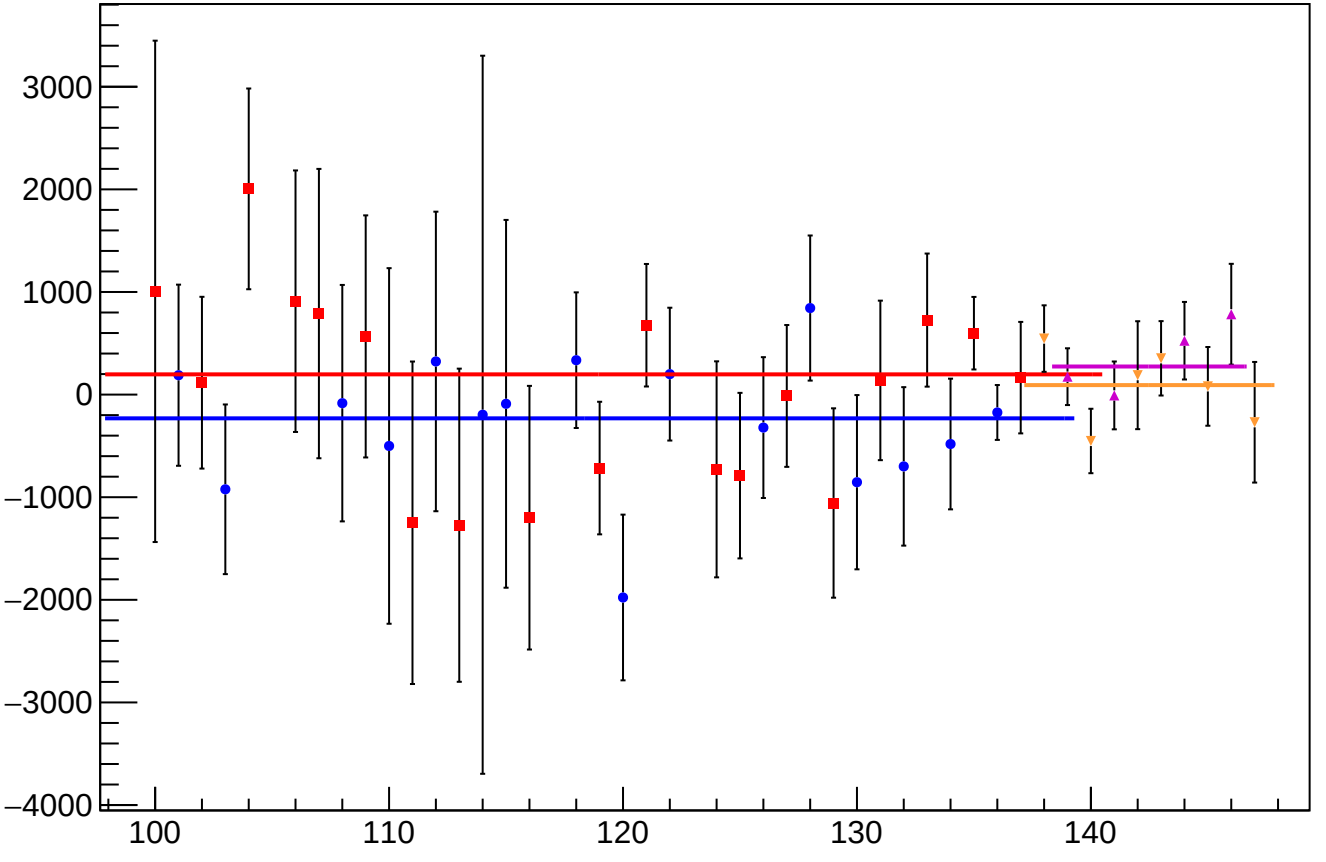
Left In: 78.037+/-0.029 χ^2/NDF:6731.2/3

+ sign 81.069+/-0.017 χ^2/NDF: 1119339.1/21

All: 81.659+/-0.012 χ^2/NDF: 2284166.8/44

- sign 82.317+/-0.018 χ^2/NDF: 1162322.9/22

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 92.477+/-156.973 χ^2/NDF:5.9/5

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

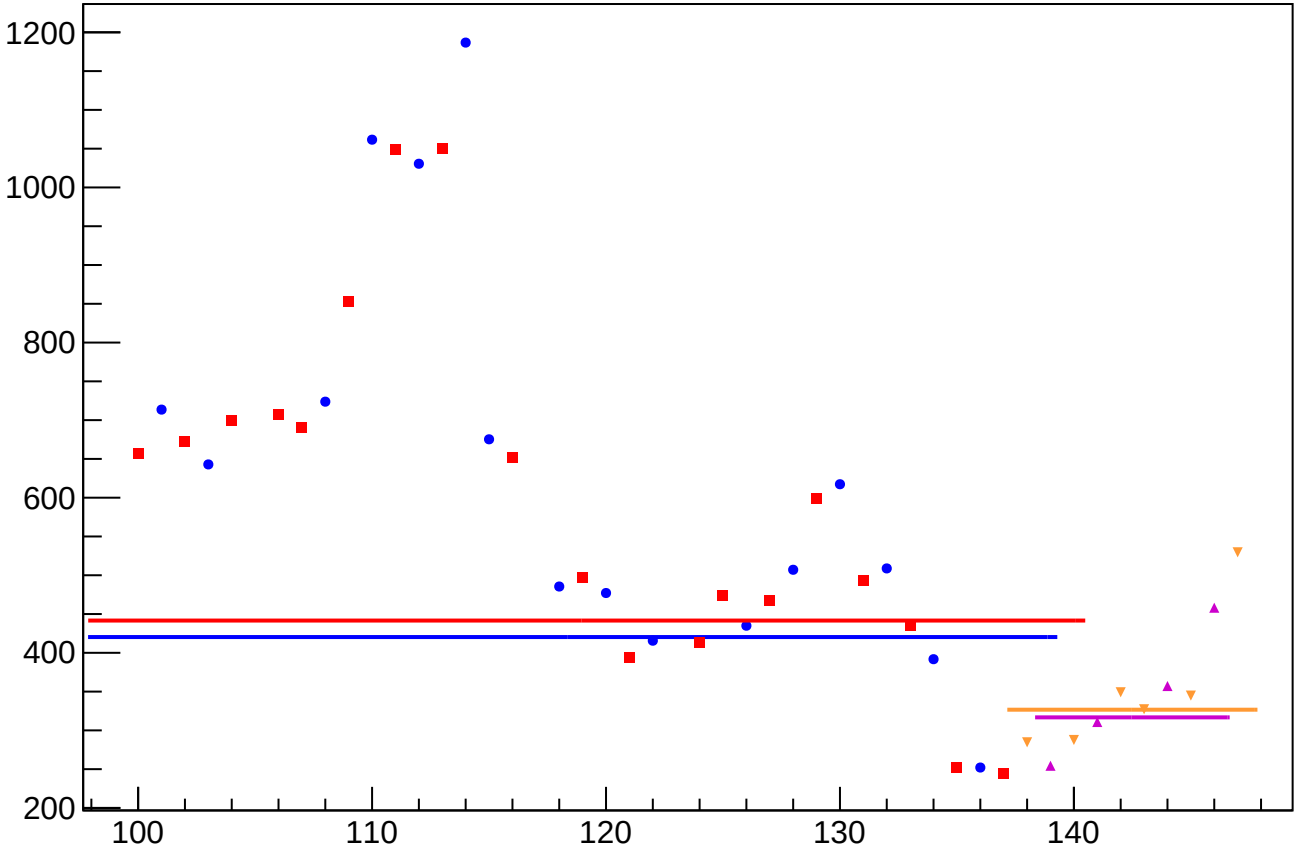
Left In: 273.771+/-173.123 χ^2/NDF:2.4/3

+ sign -56.456+/-115.369 χ^2/NDF: 18.3/21

All: 79.950+/-84.291 χ^2/NDF: 39.6/44

- sign 236.139+/-123.452 χ^2/NDF: 18.4/22

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.8/5

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

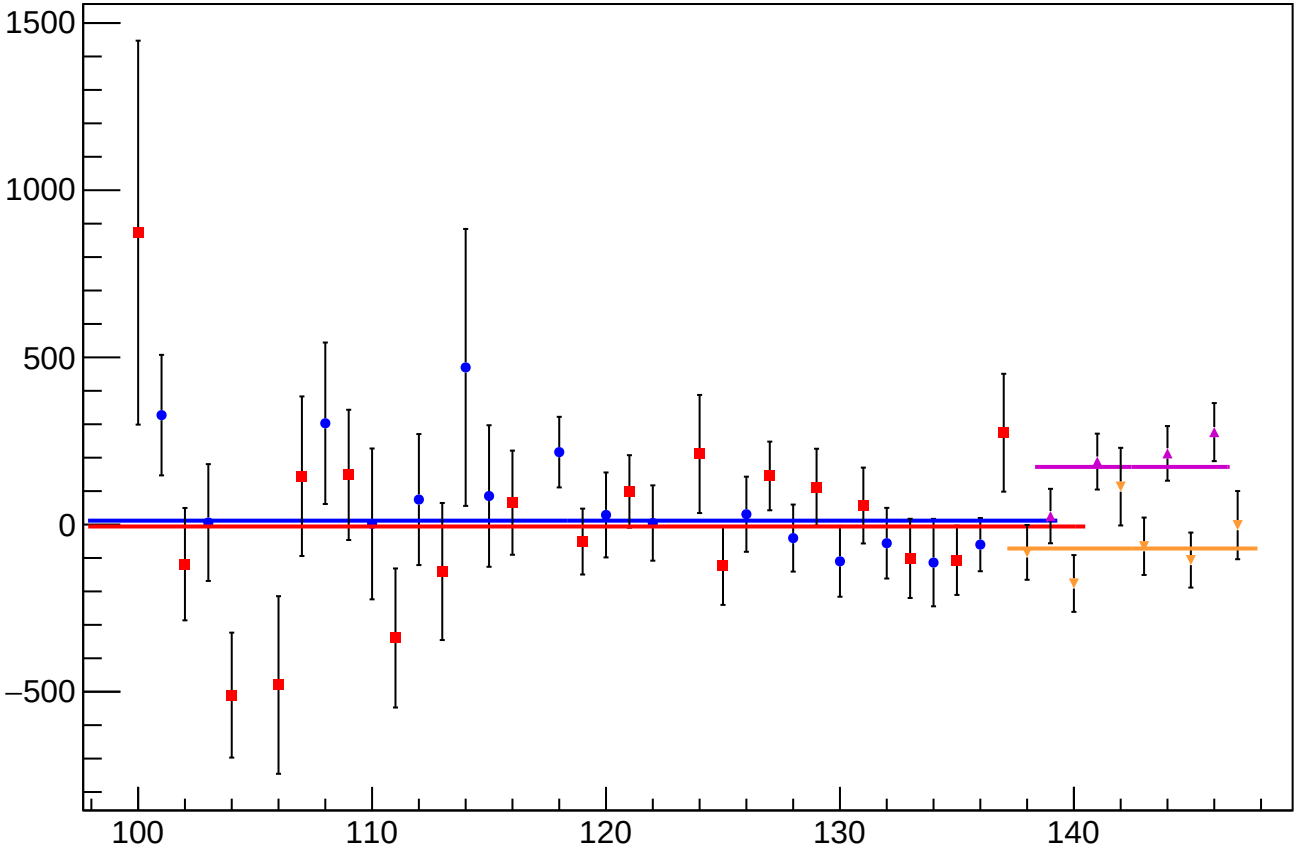
Left In: 316.768+/-0.122 χ^2/NDF:290949.9/3

+ sign 369.729+/-0.082 χ^2/NDF: 2893220.5/21

All: 373.642+/-0.060 χ^2/NDF: 6007763.3/44

- sign 378.122+/-0.087 χ^2/NDF: 3109608.8/22

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.659+/-36.714 χ^2/NDF:4.7/5

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

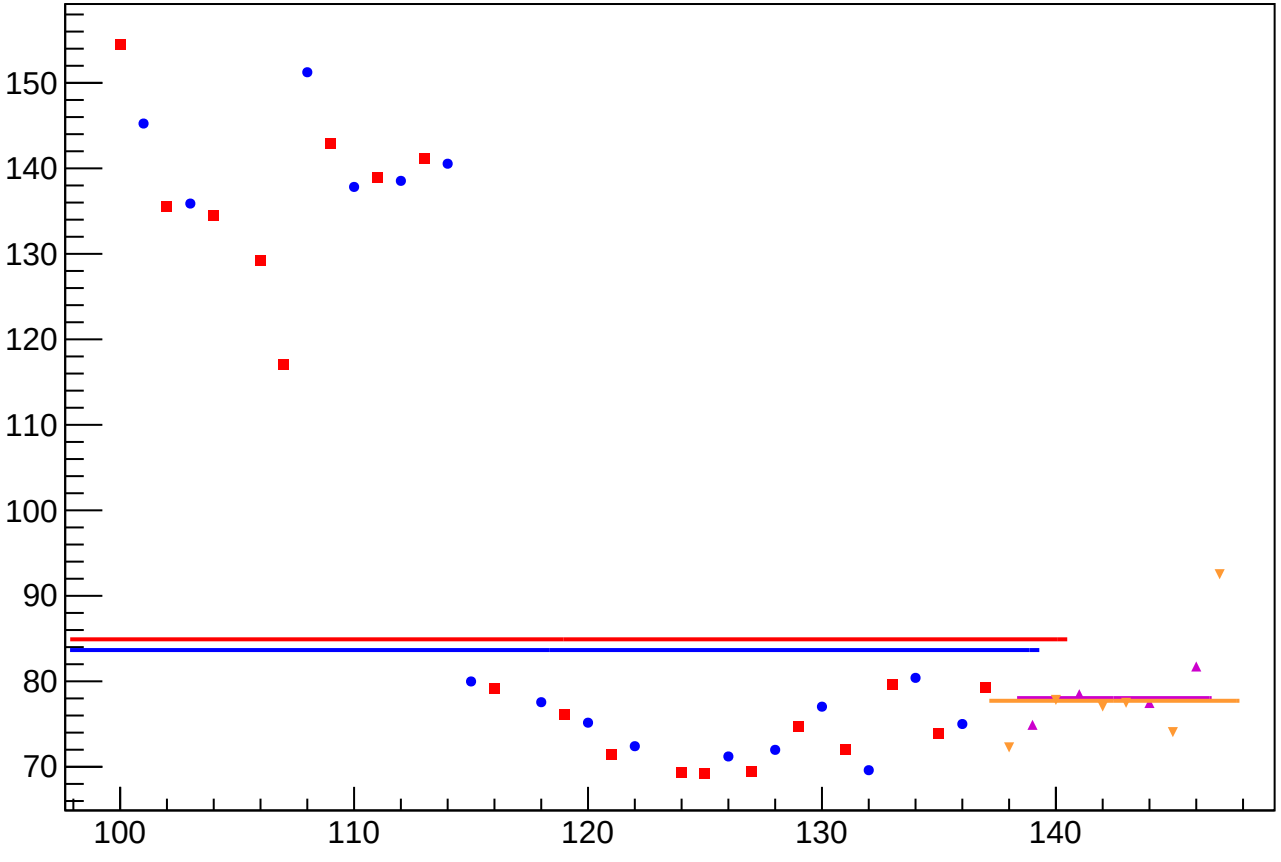
Left In: 172.374+/-41.653 χ^2/NDF:5.0/3

+ sign -24.693+/-24.250 χ^2/NDF: 21.2/21

All: 16.063+/-17.604 χ^2/NDF: 72.3/44

- sign 61.470+/-25.595 χ^2/NDF: 45.1/22

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.3/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

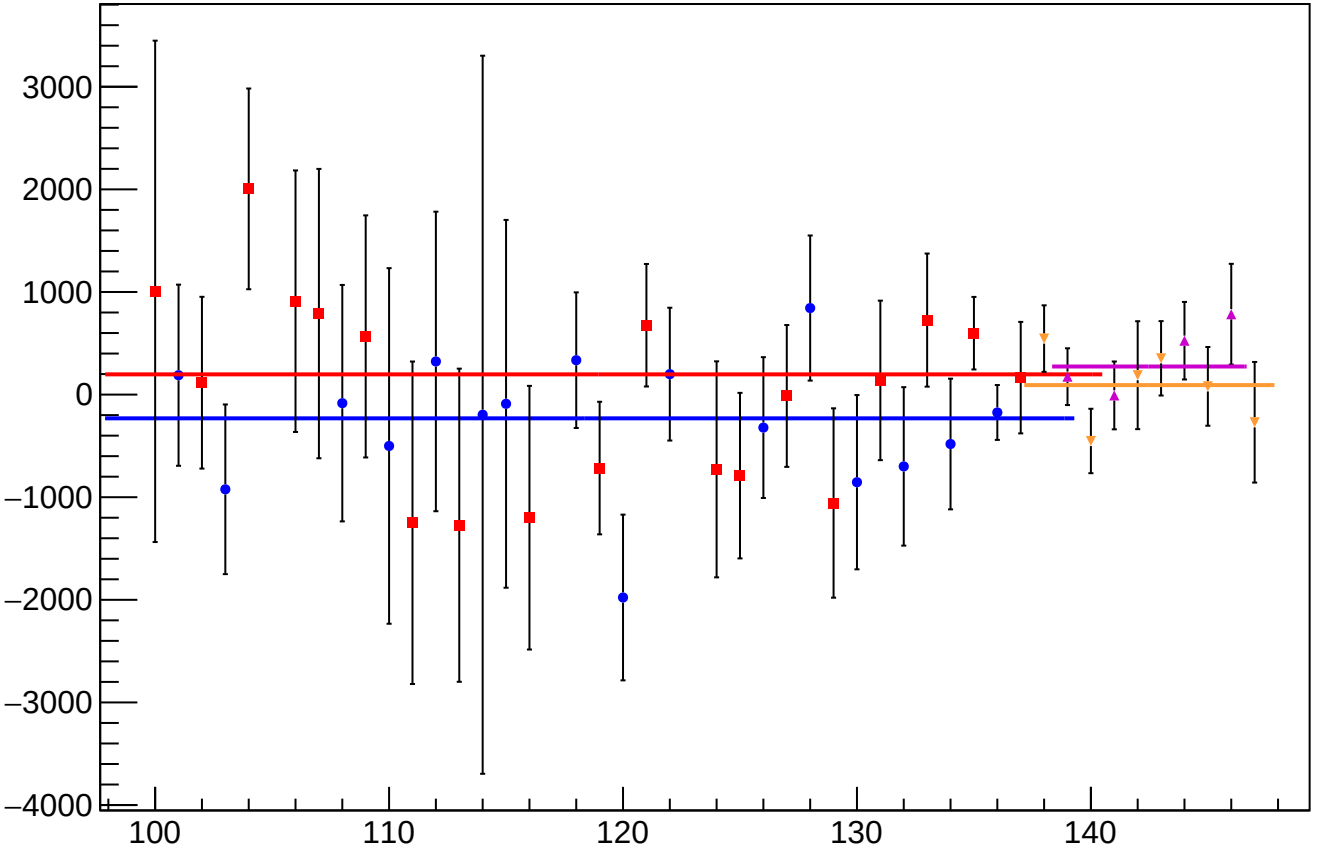
Left In: 78.037+/-0.029 χ^2/NDF:6731.3/3

+ sign 81.069+/-0.017 χ^2/NDF: 1119337.7/21

All: 81.659+/-0.012 χ^2/NDF: 2284163.7/44

- sign 82.316+/-0.018 χ^2/NDF: 1162321.2/22

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 92.476+/-156.973 χ^2/NDF:5.9/5

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

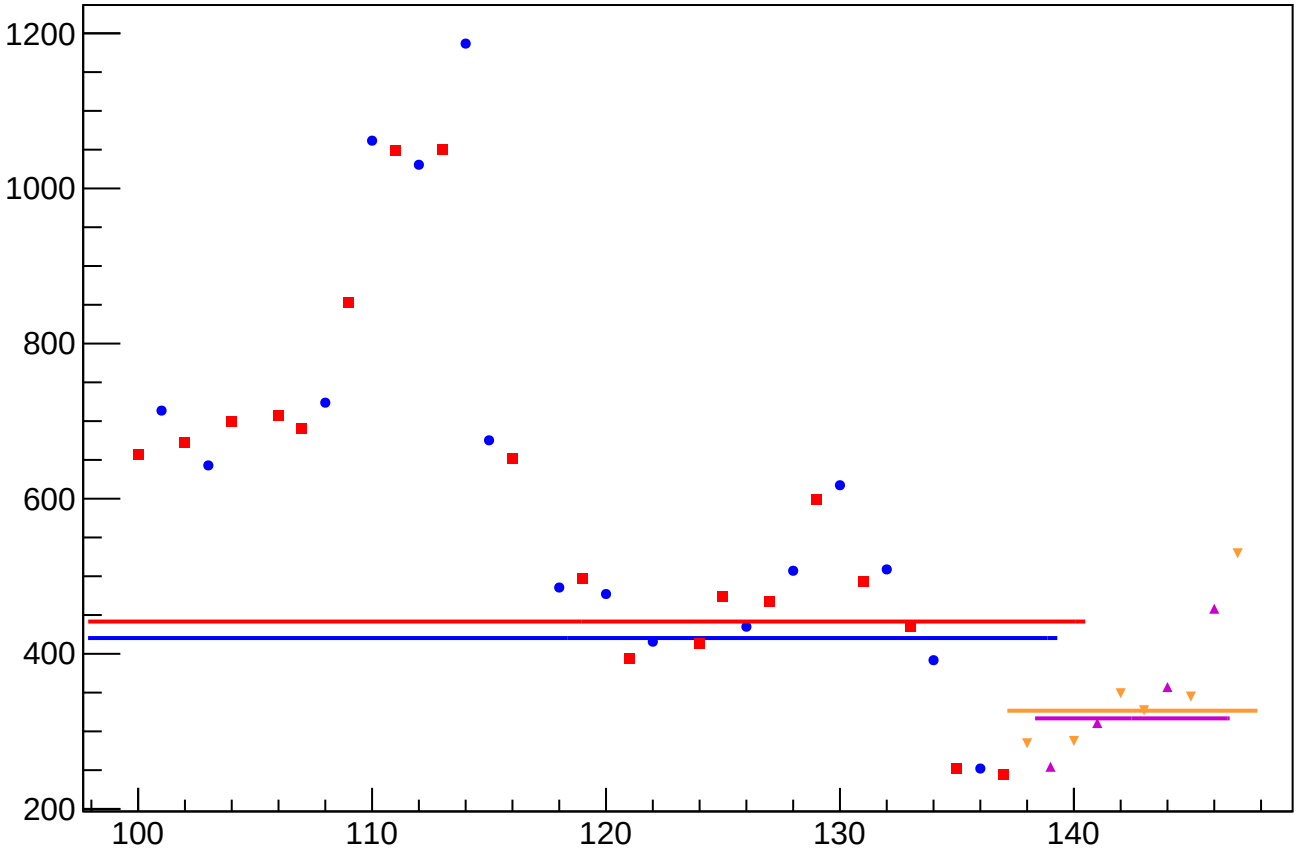
Left In: 273.771+/-173.122 χ^2/NDF:2.4/3

+ sign -56.455+/-115.369 χ^2/NDF: 18.3/21

All: 79.950+/-84.291 χ^2/NDF: 39.6/44

- sign 236.139+/-123.452 χ^2/NDF: 18.4/22

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.4/5

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

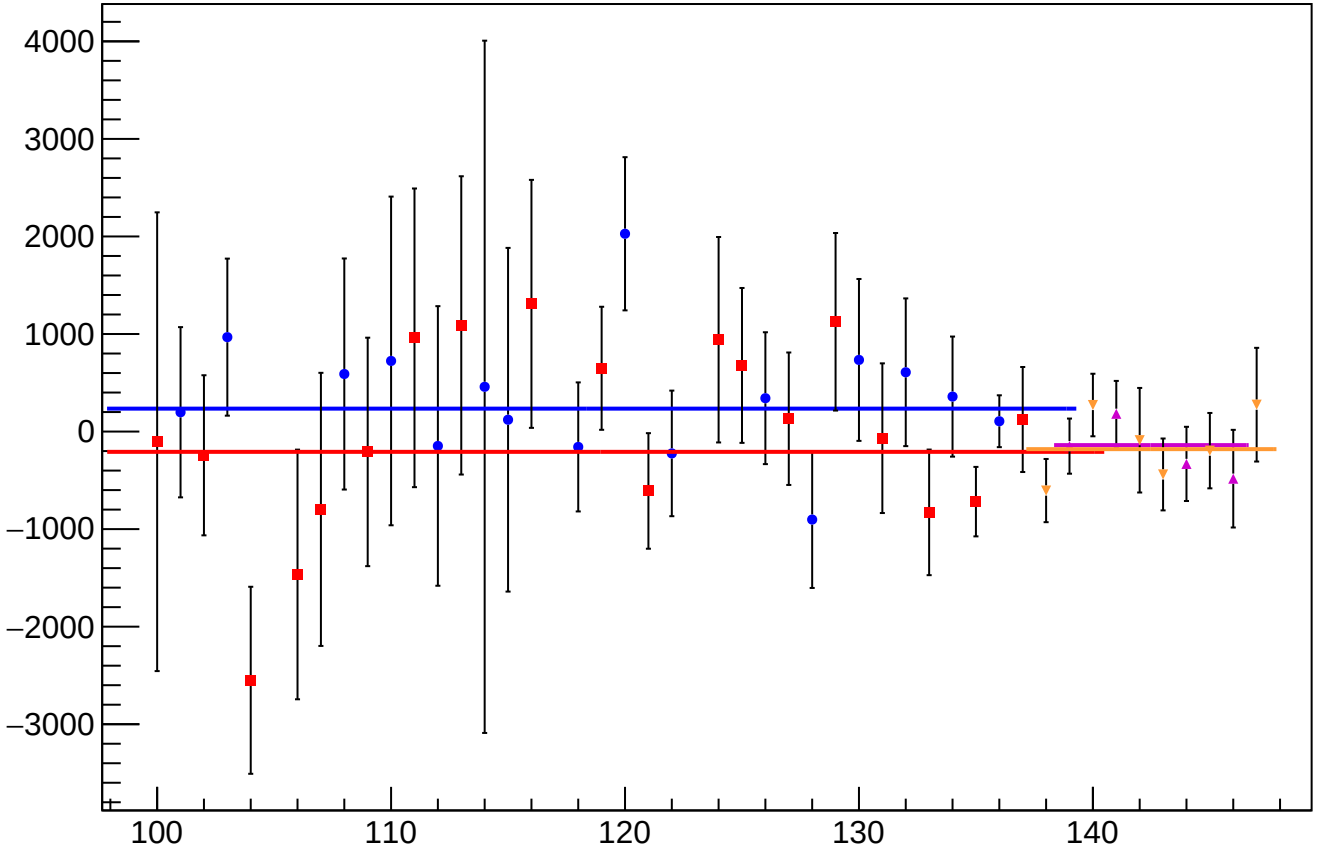
Left In: 316.768+/-0.122 χ^2/NDF:290950.5/3

+ sign 369.729+/-0.082 χ^2/NDF: 2893223.5/21

All: 373.641+/-0.060 χ^2/NDF: 6007770.3/44

- sign 378.121+/-0.087 χ^2/NDF: 3109612.9/22

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -180.186+/-158.607 χ^2/NDF:4.8/5

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

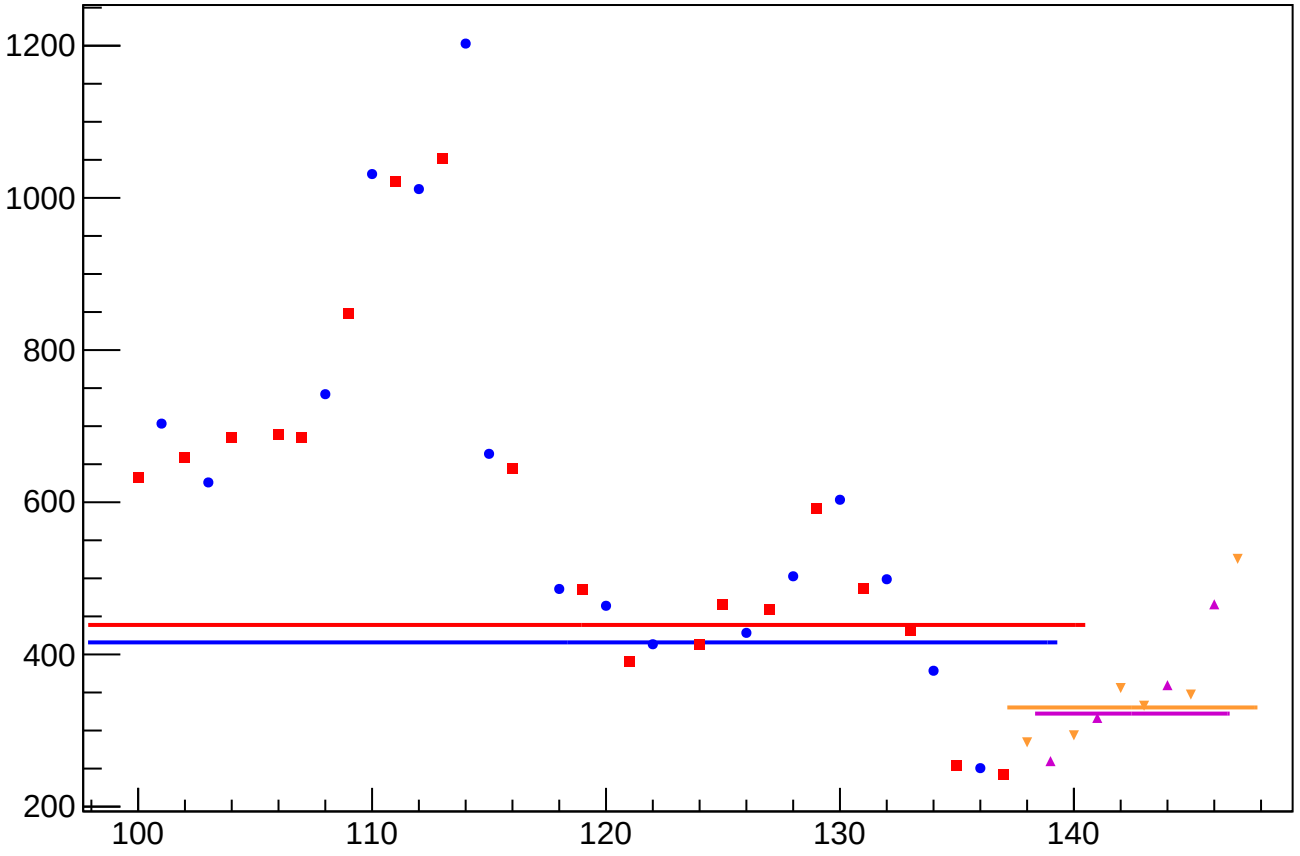
Left In: -138.920+/-176.101 χ^2/NDF:1.6/3

+ sign 15.257+/-115.394 χ^2/NDF: 18.8/21

All: -72.416+/-84.484 χ^2/NDF: 42.1/44

- sign -173.700+/-124.029 χ^2/NDF: 22.1/22

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 330.337+/-0.112 χ^2/NDF:299162.2/5

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

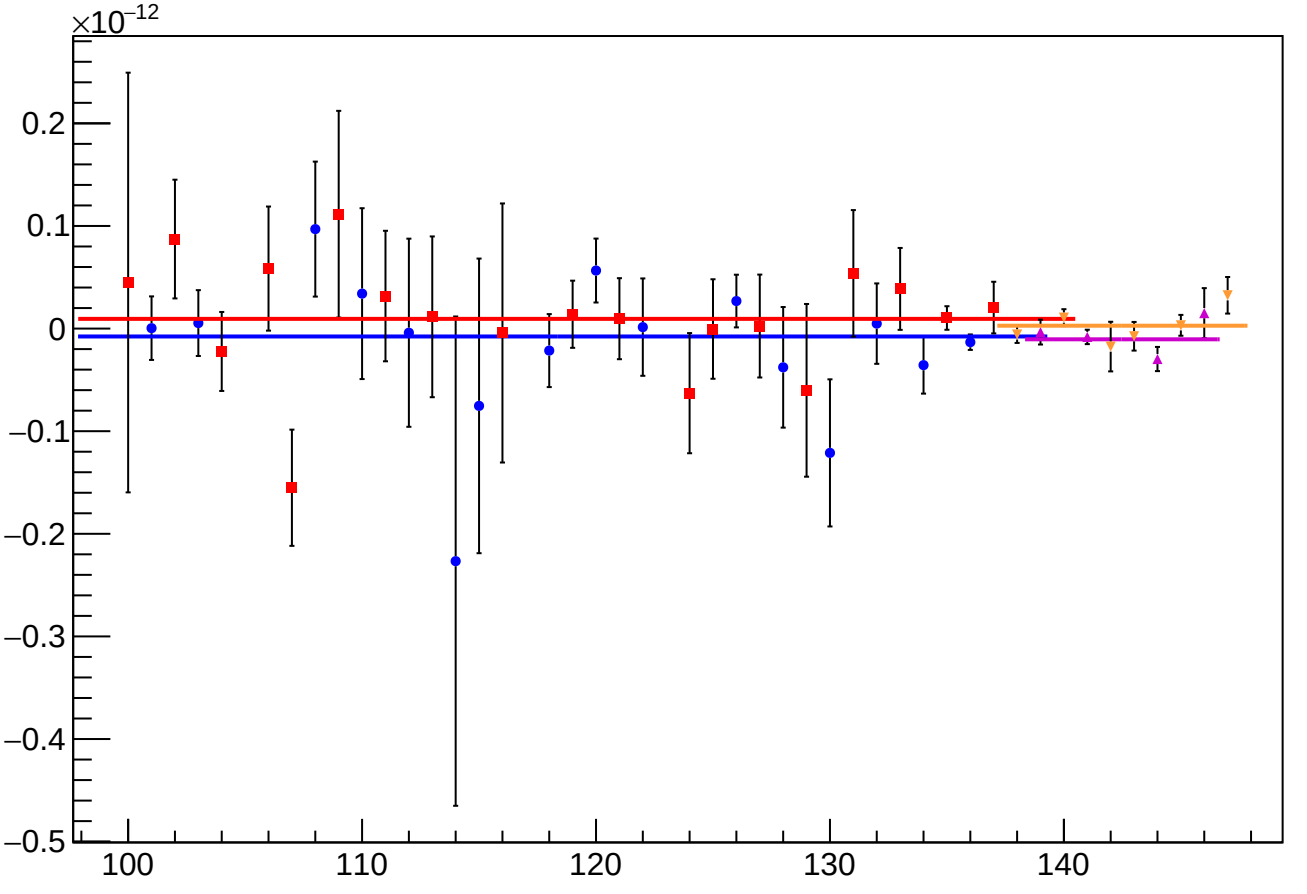
Left In: 322.260+/-0.125 χ^2/NDF:282266.0/3

+ sign 370.581+/-0.082 χ^2/NDF: 2796681.1/21

All: 375.404+/-0.060 χ^2/NDF: 5762462.9/44

- sign 380.976+/-0.088 χ^2/NDF: 2958250.5/22

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

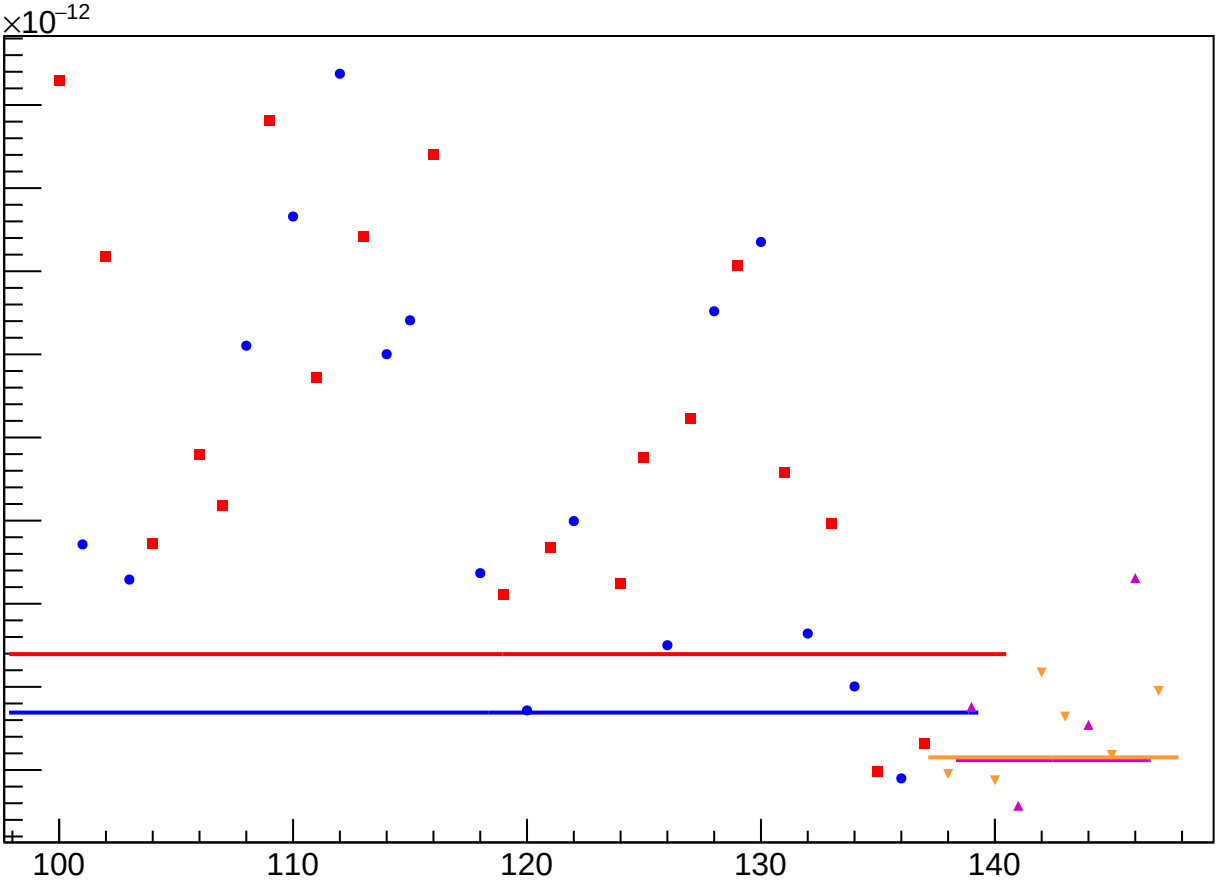
Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/21

All: -0.000+/-0.000 χ^2/NDF: 47.8/44

- sign -0.000+/-0.000 χ^2/NDF: 24.7/22

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:337080.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

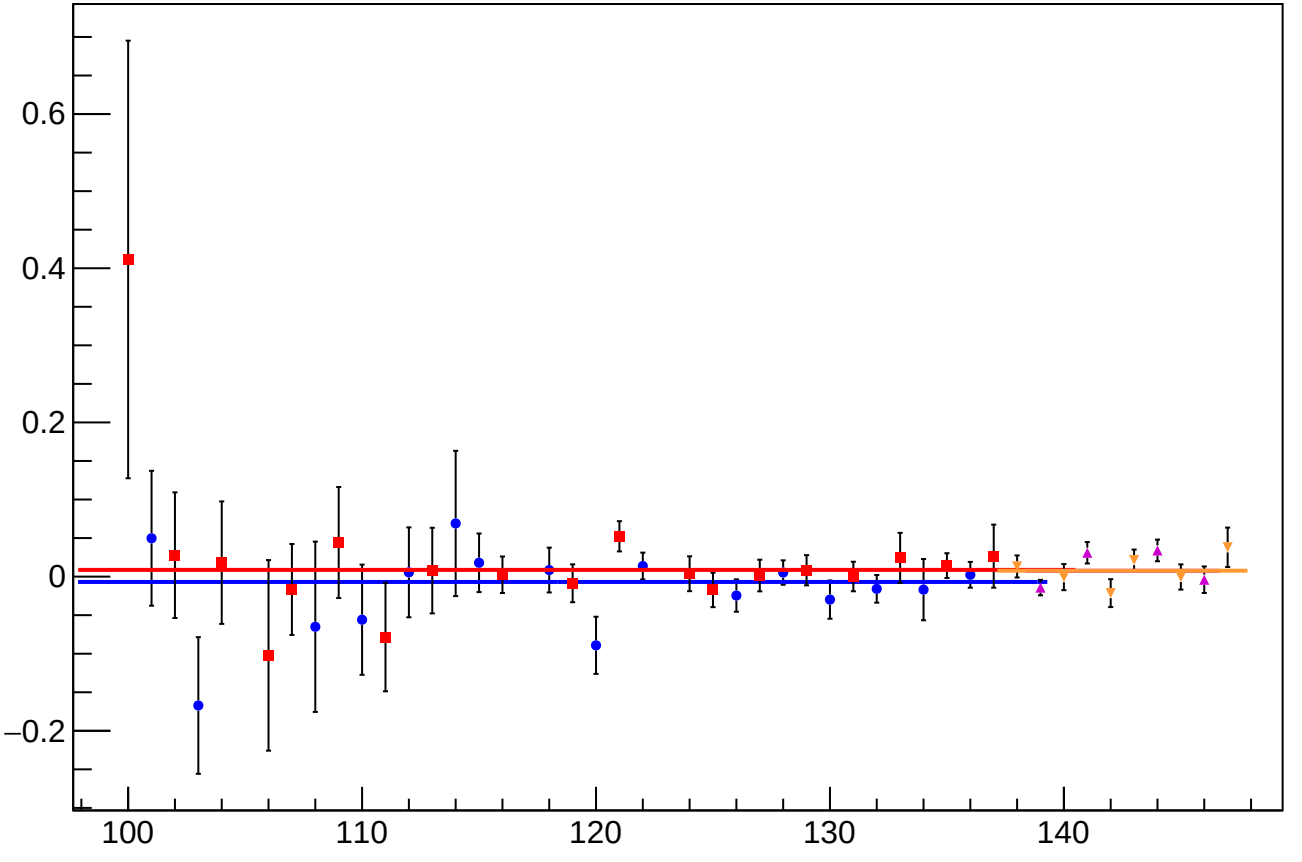
Left In: 0.000+/-0.000 χ^2/NDF:912691.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3341850.8/21

All: 0.000+/-0.000 χ^2/NDF: 7914314.5/44

- sign 0.000+/-0.000 χ^2/NDF: 4536170.3/22

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

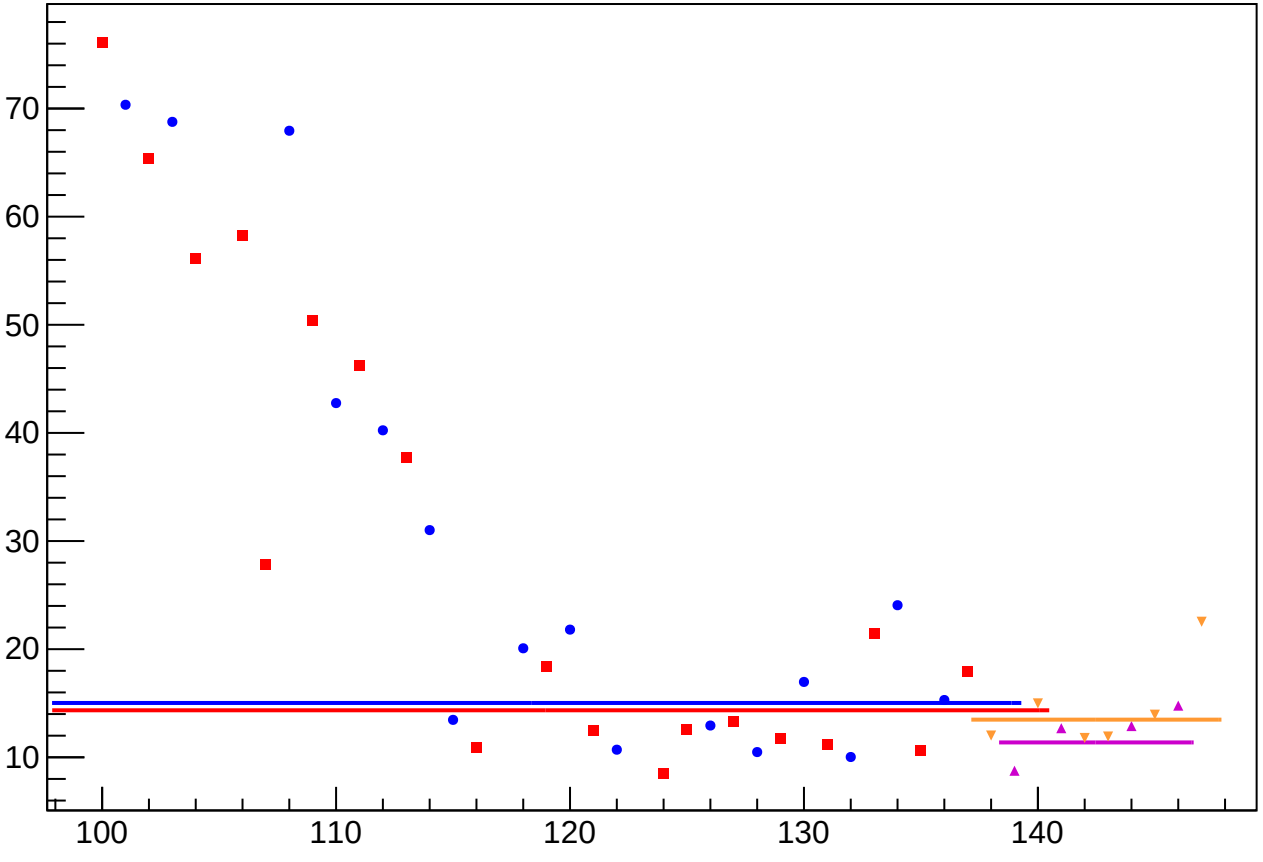
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/44

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.483+/-0.005 χ^2/NDF:332739.4/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

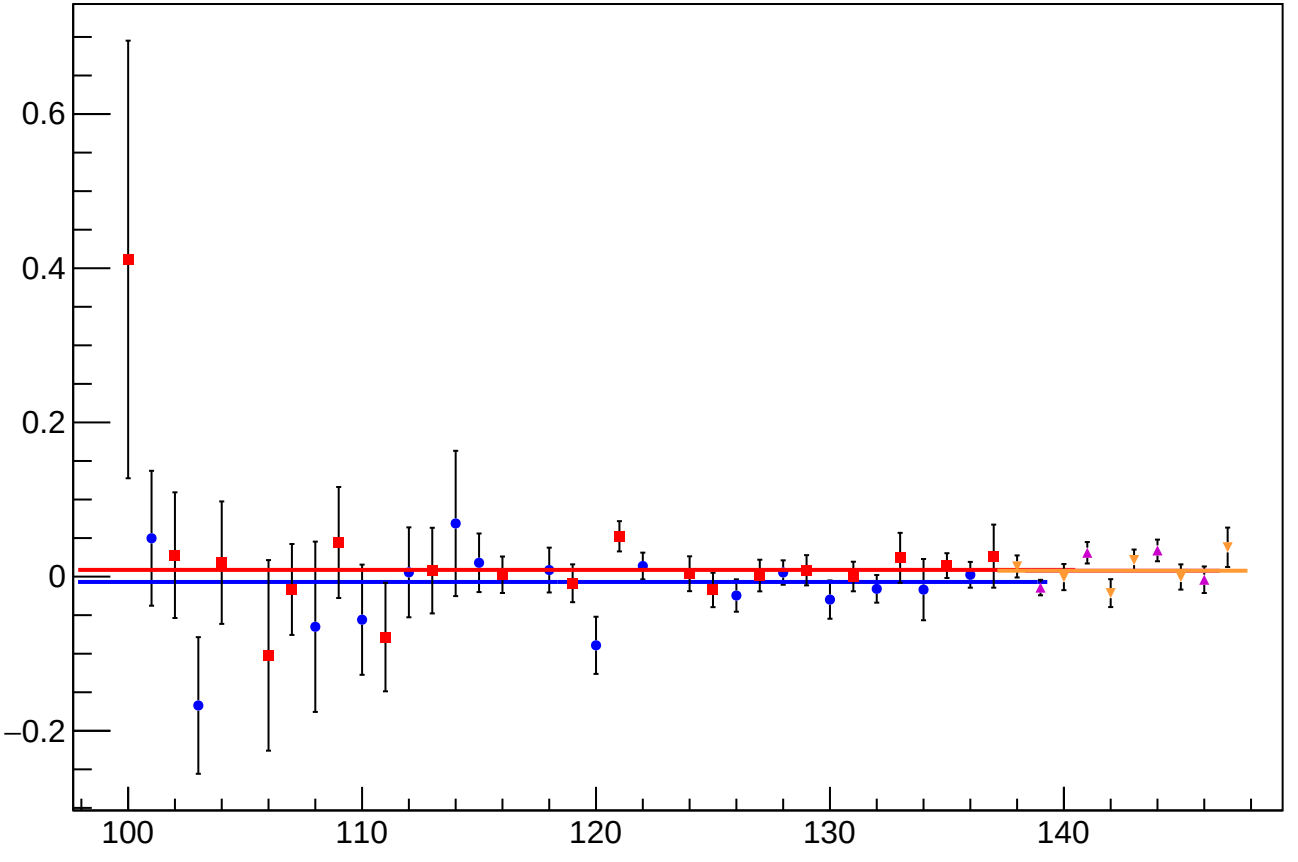
Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

+ sign 14.254+/-0.003 χ^2/NDF: 3823525.7/21

All: 13.544+/-0.002 χ^2/NDF: 8005320.3/44

- sign 12.893+/-0.003 χ^2/NDF: 4096499.5/22

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

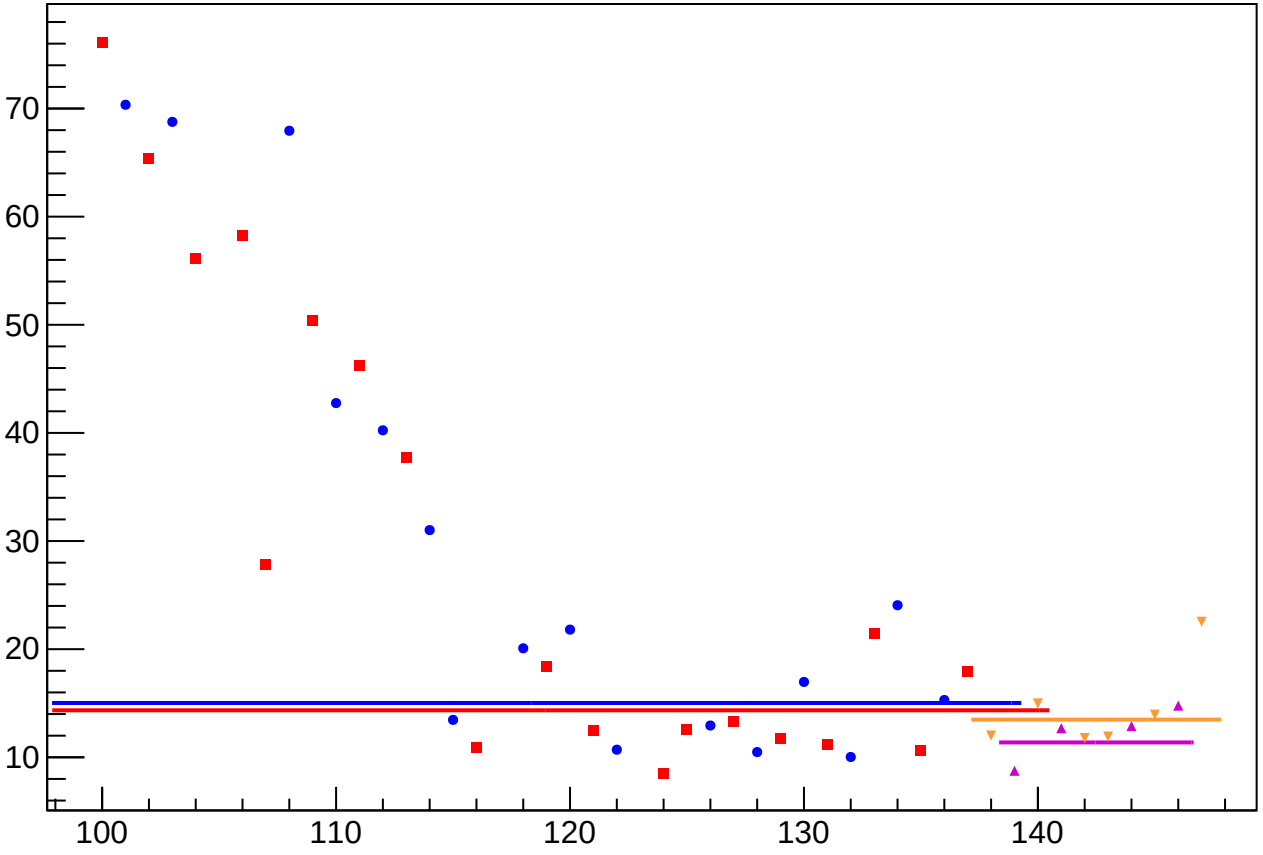
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/44

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.483+/-0.005 χ^2/NDF:332739.4/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

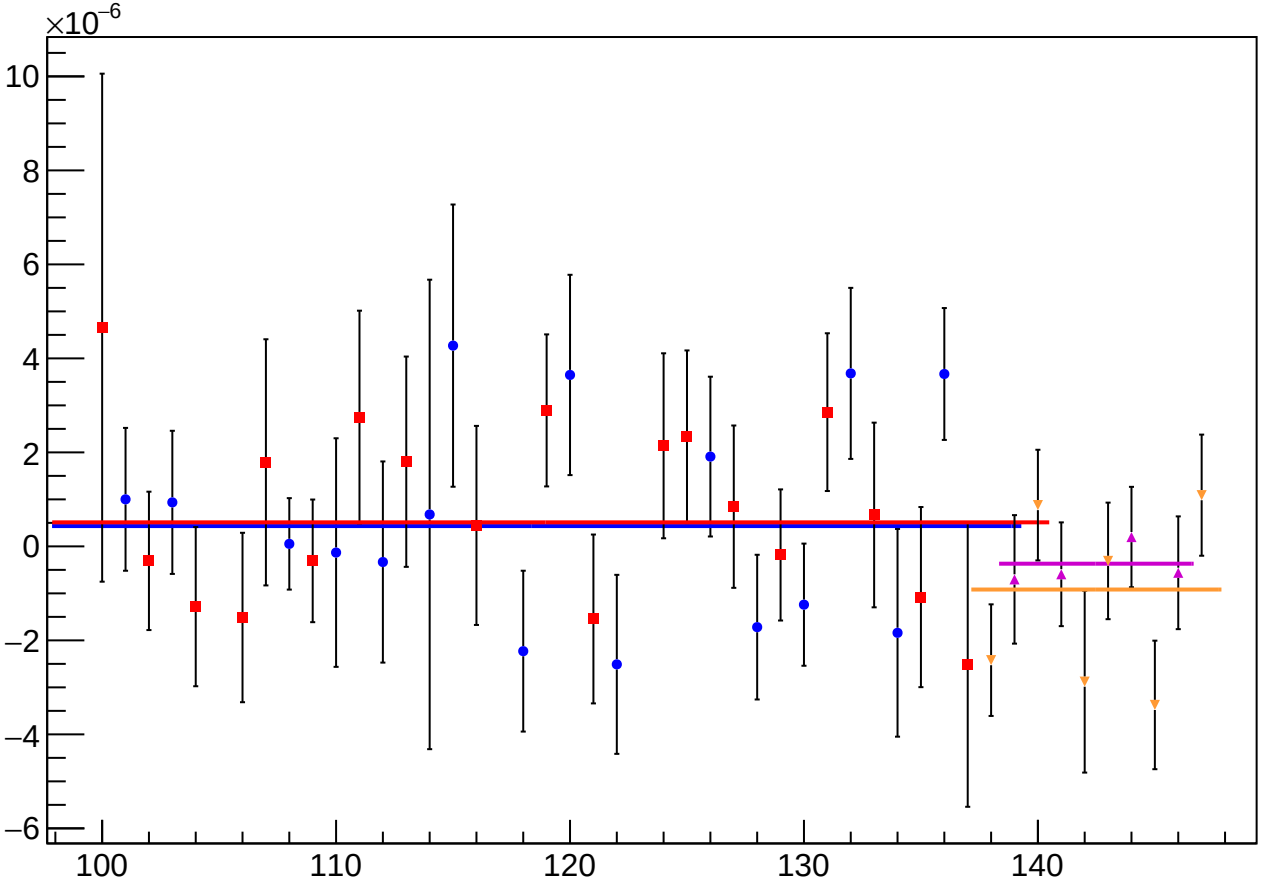
Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

+ sign 14.254+/-0.003 χ^2/NDF: 3823525.7/21

All: 13.544+/-0.002 χ^2/NDF: 8005320.3/44

- sign 12.893+/-0.003 χ^2/NDF: 4096499.5/22

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:10.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

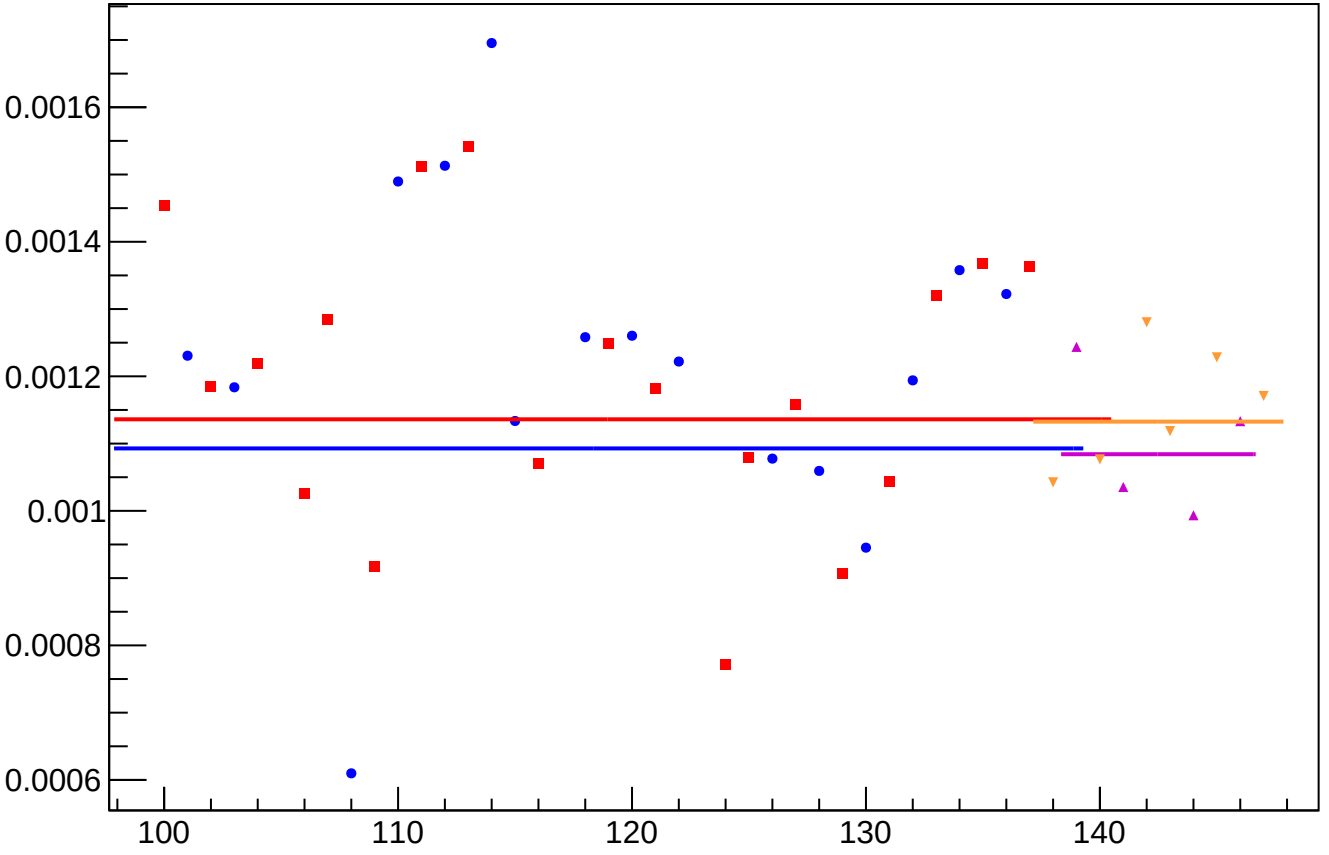
Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/21

All: 0.000+/-0.000 χ^2/NDF: 54.6/44

- sign 0.000+/-0.000 χ^2/NDF: 16.2/22

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:39517.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

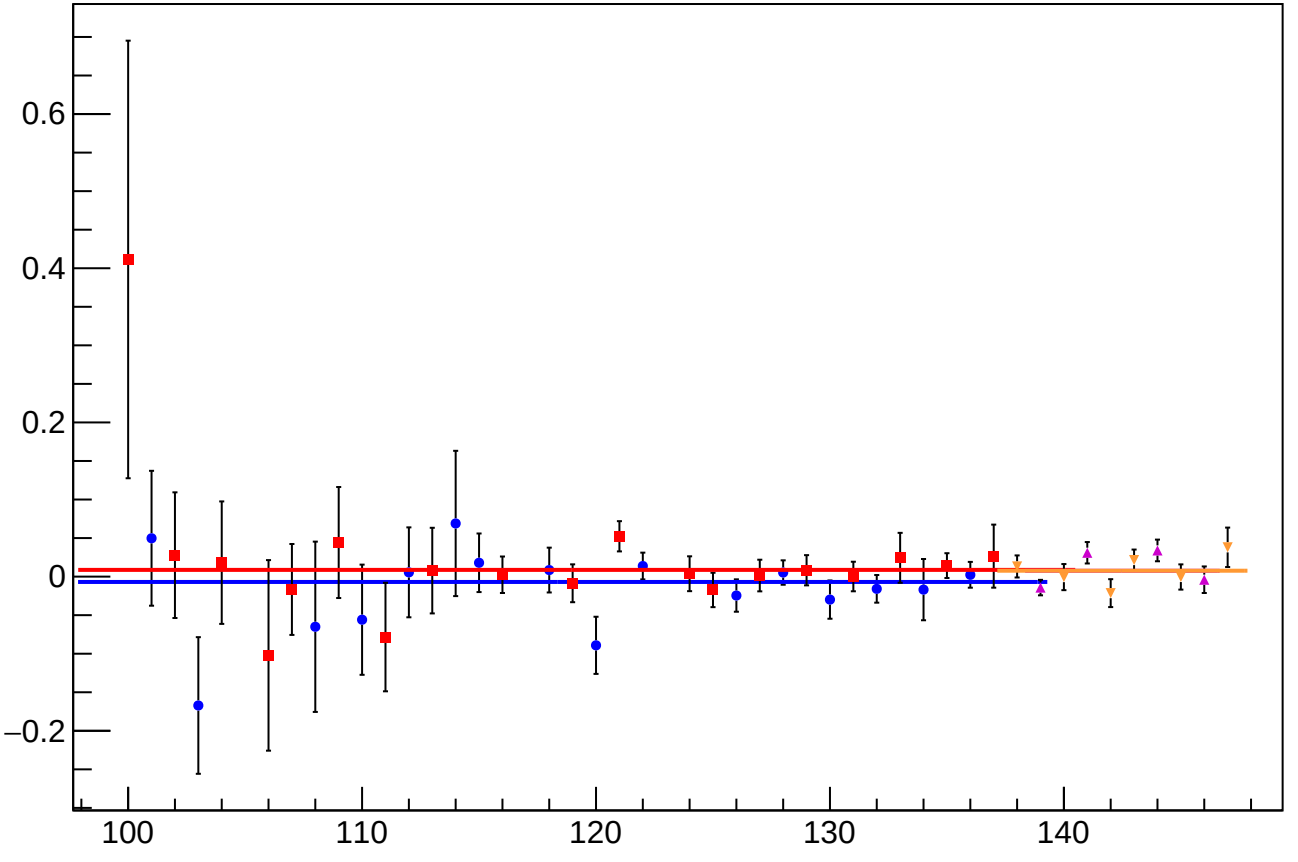
Left In: 0.001+/-0.000 χ^2/NDF:48943.0/3

+ sign 0.001+/-0.000 χ^2/NDF: 878207.5/21

All: 0.001+/-0.000 χ^2/NDF: 1345696.3/44

- sign 0.001+/-0.000 χ^2/NDF: 466552.7/22

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

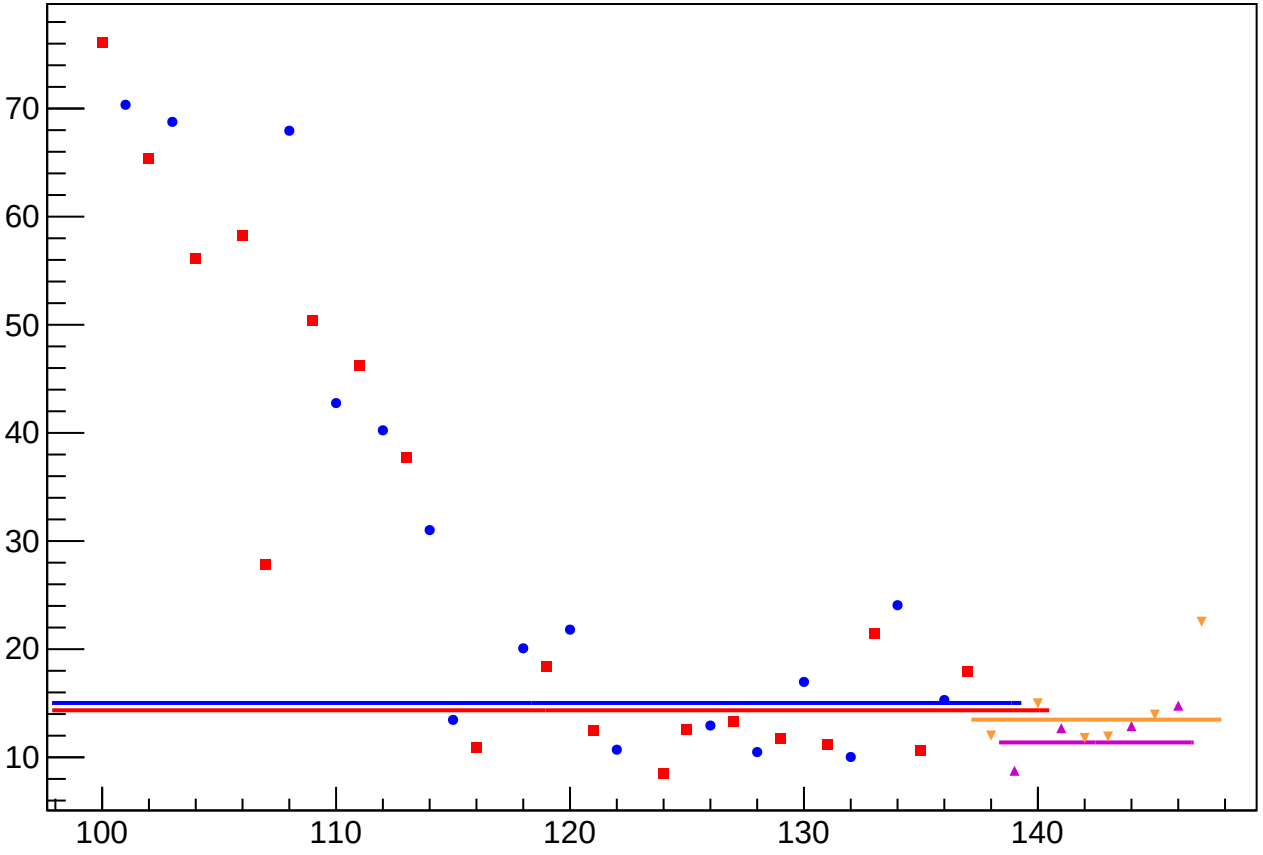
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/44

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.483+/-0.005 χ^2/NDF:332732.9/5

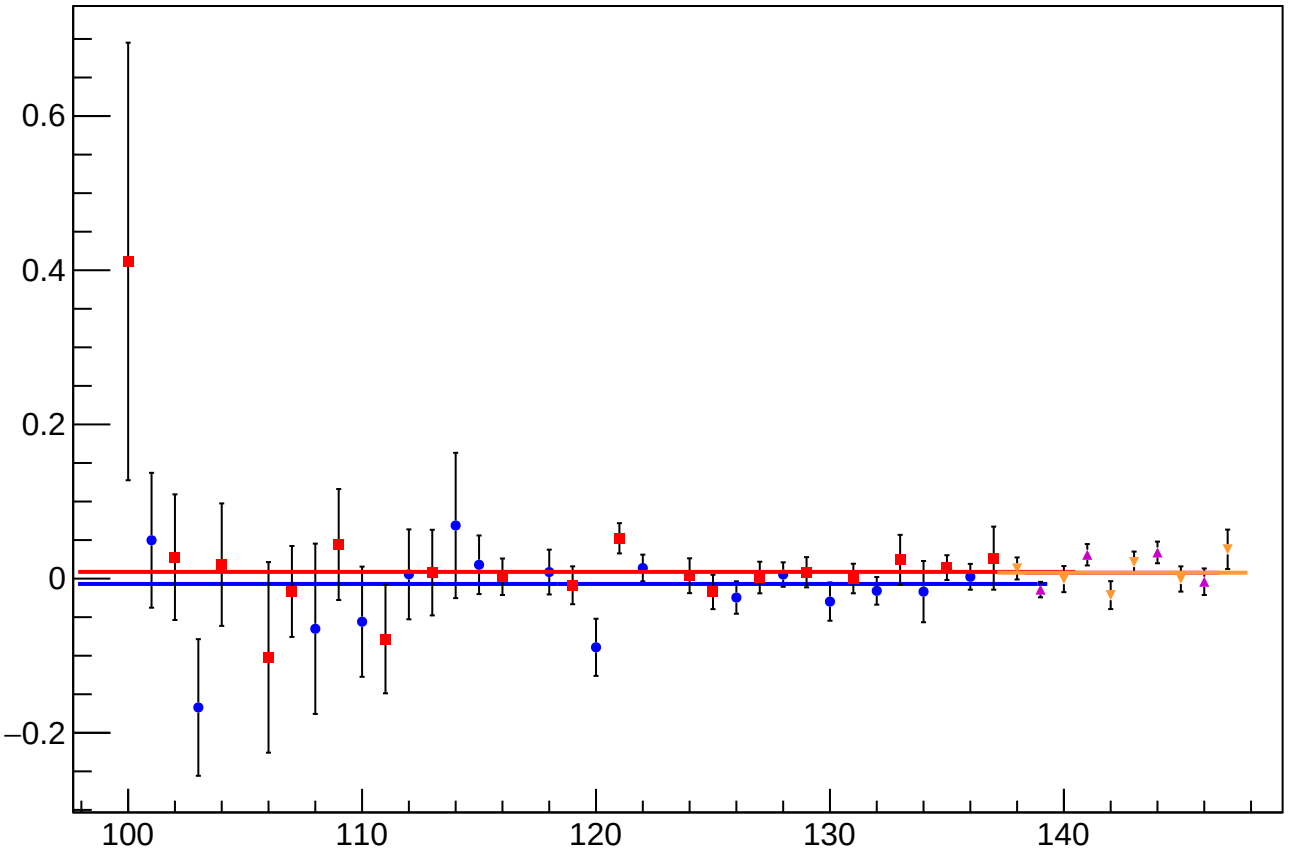
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

+ sign 14.254+/-0.003 χ^2/NDF: 3823522.0/21

All: 13.544+/-0.002 χ^2/NDF: 8005313.3/44

- sign 12.892+/-0.003 χ^2/NDF: 4096496.1/22



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

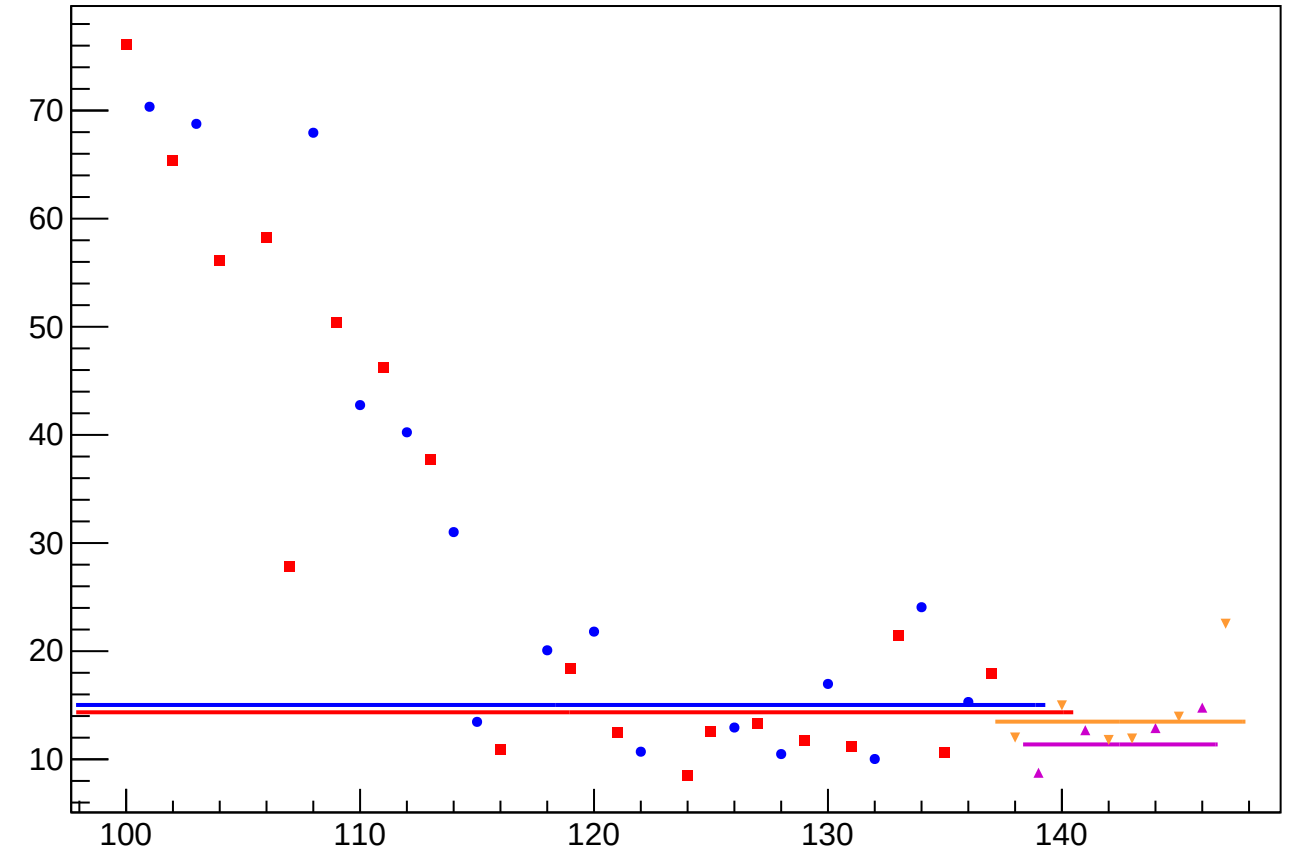
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/44

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.483+/-0.005 χ^2/NDF:332732.9/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

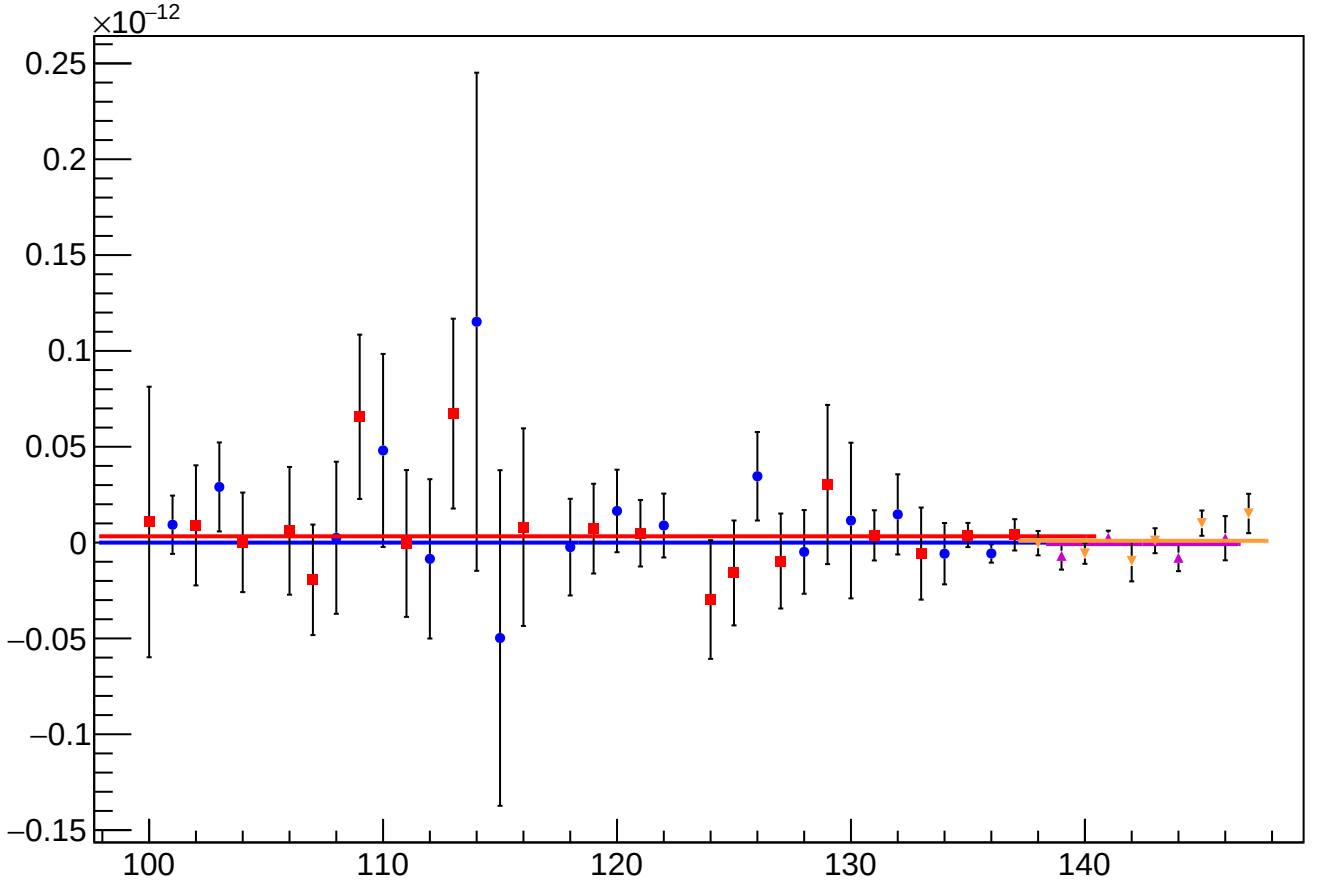
Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

+ sign 14.254+/-0.003 χ^2/NDF: 3823522.0/21

All: 13.544+/-0.002 χ^2/NDF: 8005313.3/44

- sign 12.892+/-0.003 χ^2/NDF: 4096496.1/22

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

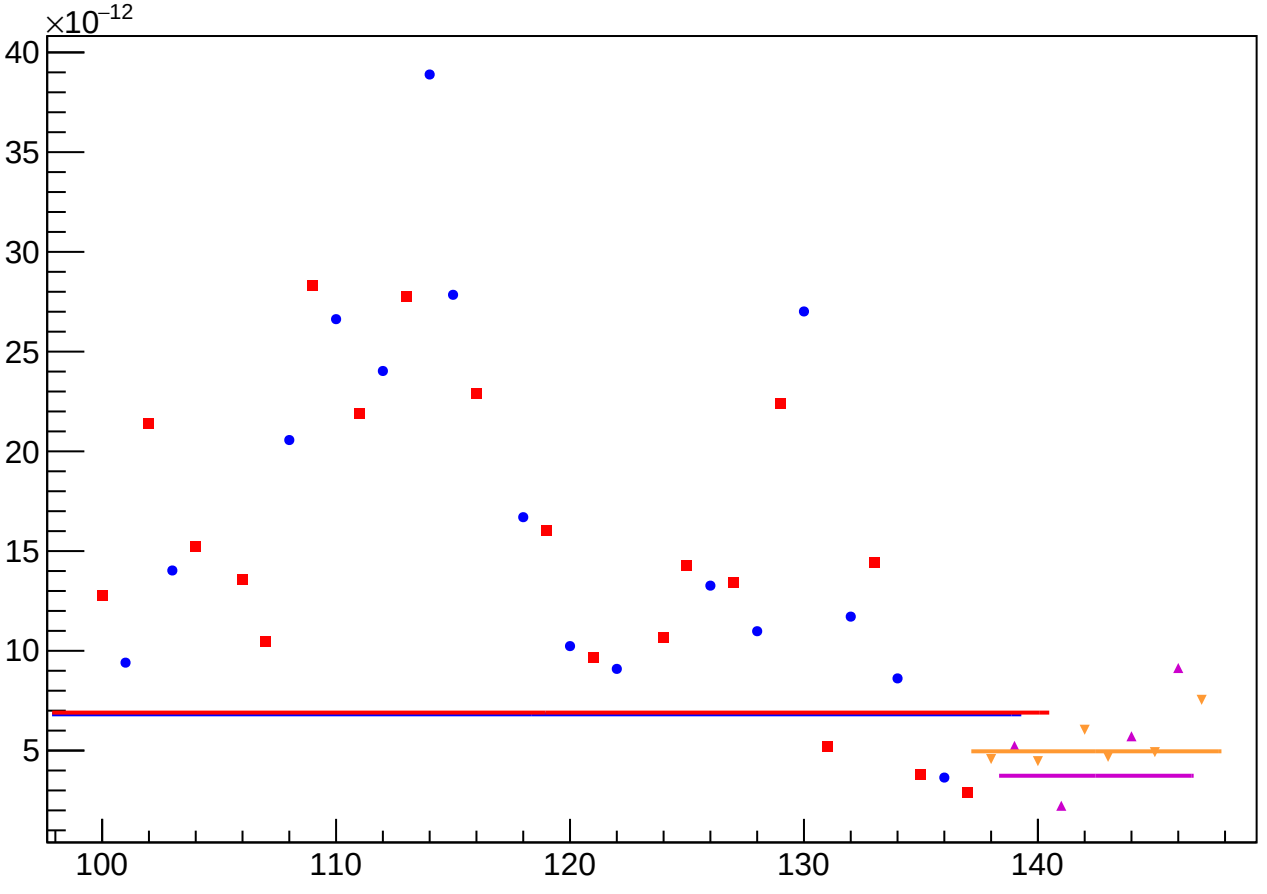
Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/21

All: 0.000+/-0.000 χ^2/NDF: 26.0/44

- sign 0.000+/-0.000 χ^2/NDF: 10.3/22

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:174488.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

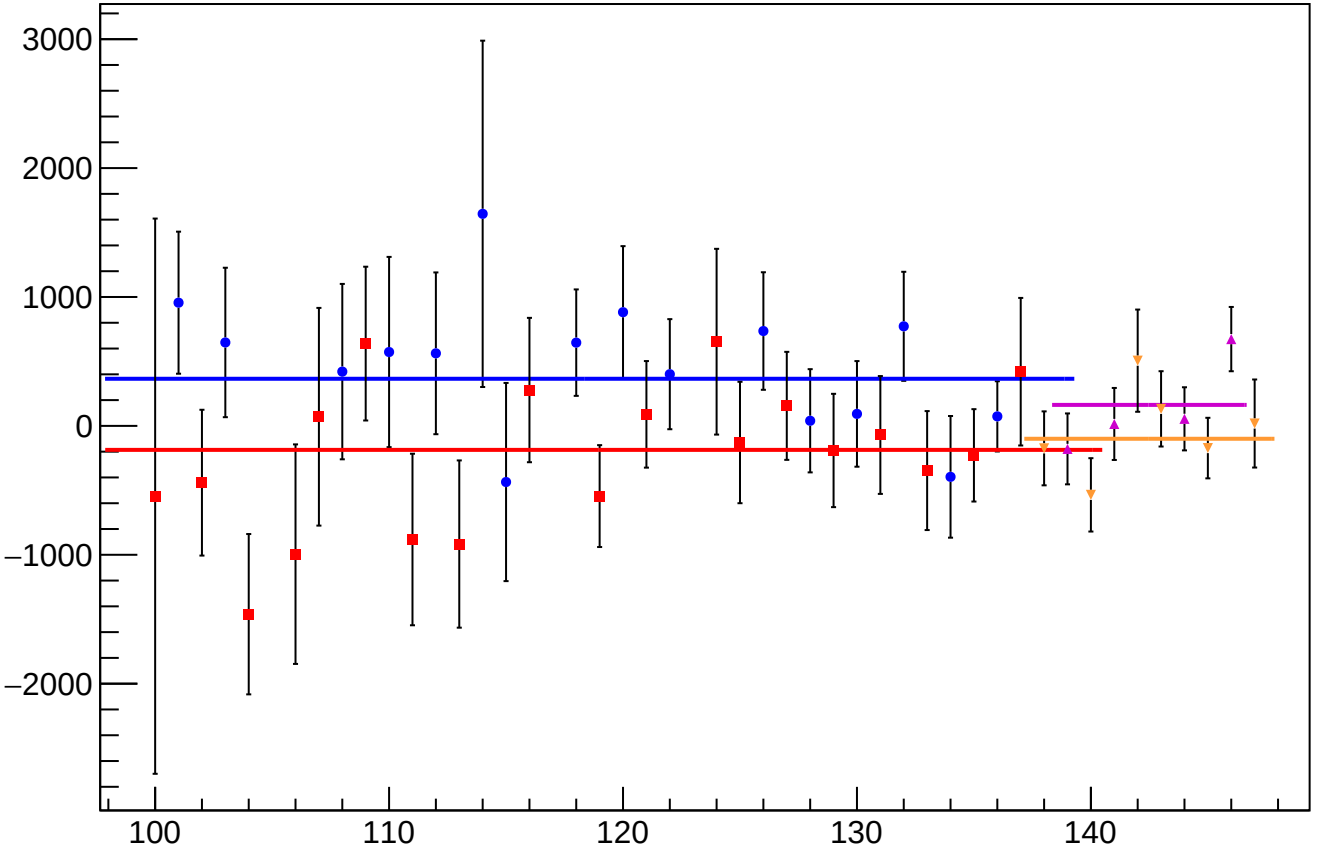
Left In: 0.000+/-0.000 χ^2/NDF:1013956.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3992435.9/21

All: 0.000+/-0.000 χ^2/NDF: 10203205.1/44

- sign 0.000+/-0.000 χ^2/NDF: 6093030.1/22

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.935+/-120.147 χ^2/NDF:5.6/5

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

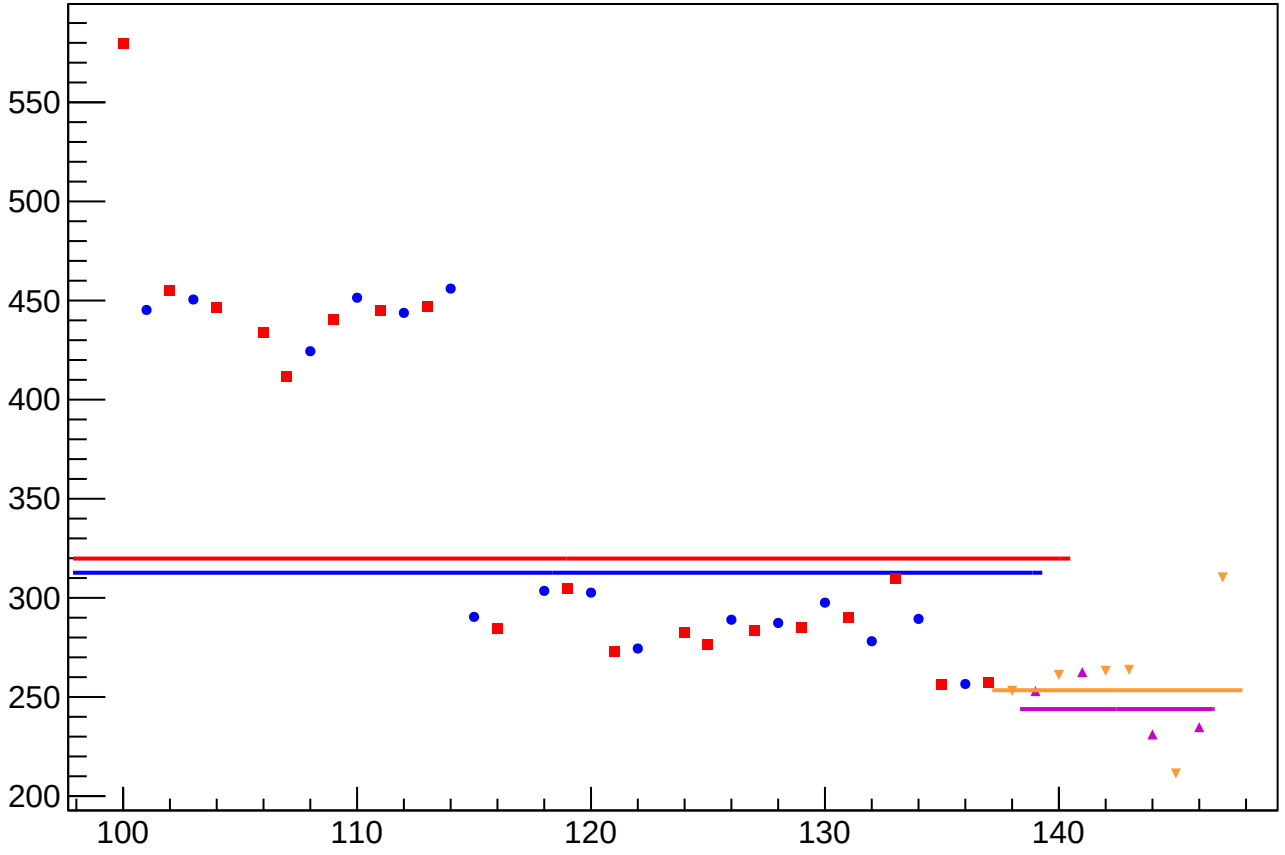
Left In: 162.804+/-130.413 χ^2/NDF:6.2/3

+ sign 135.284+/-84.503 χ^2/NDF: 24.7/21

All: 58.313+/-61.077 χ^2/NDF: 51.5/44

- sign -25.883+/-88.380 χ^2/NDF: 25.1/22

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.5/5

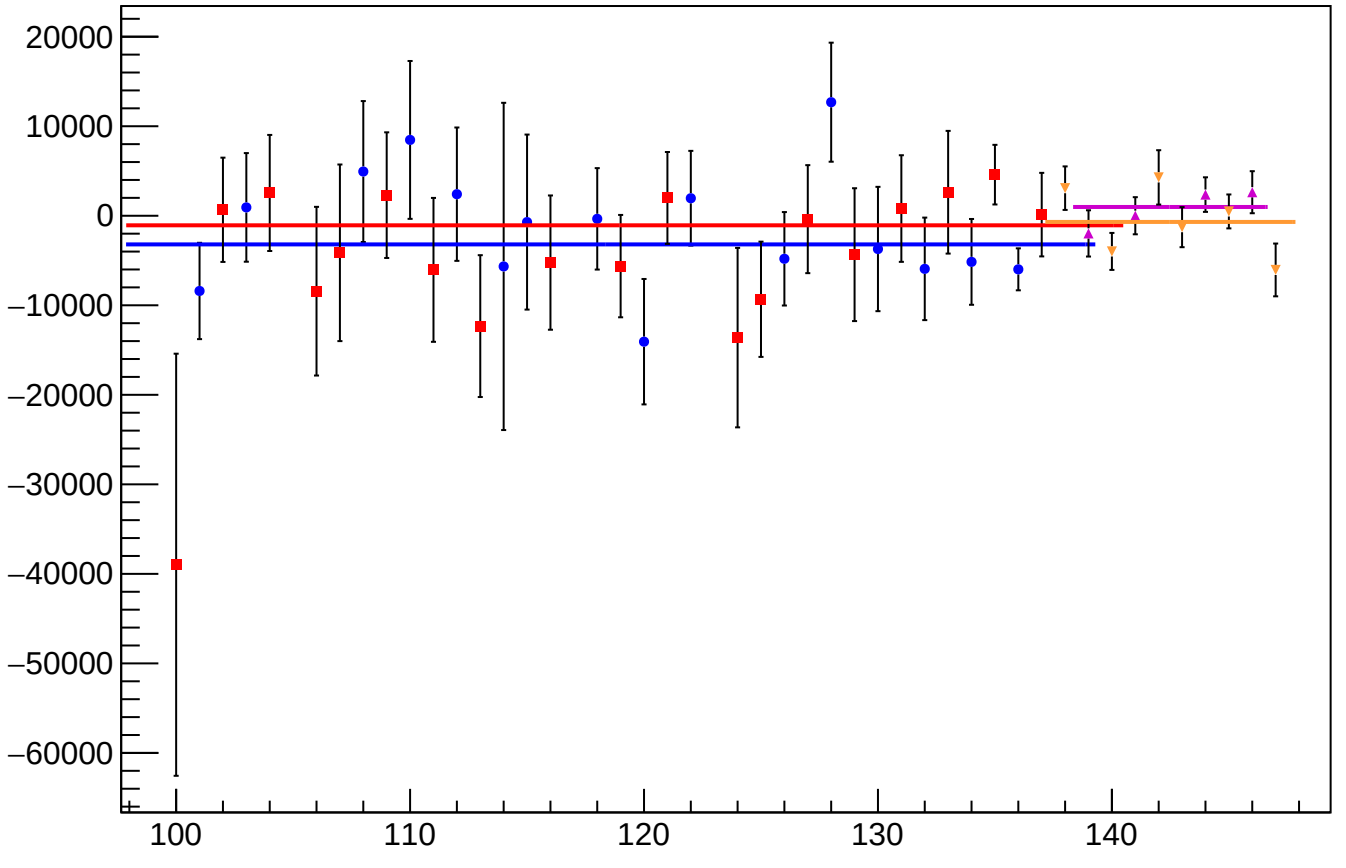
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

\+ sign 283.364+/-0.060 χ^2/NDF: 972730.2/21

All: 284.129+/-0.043 χ^2/NDF: 2056849.6/44

\- sign 284.966+/-0.062 χ^2/NDF: 1083776.0/22



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

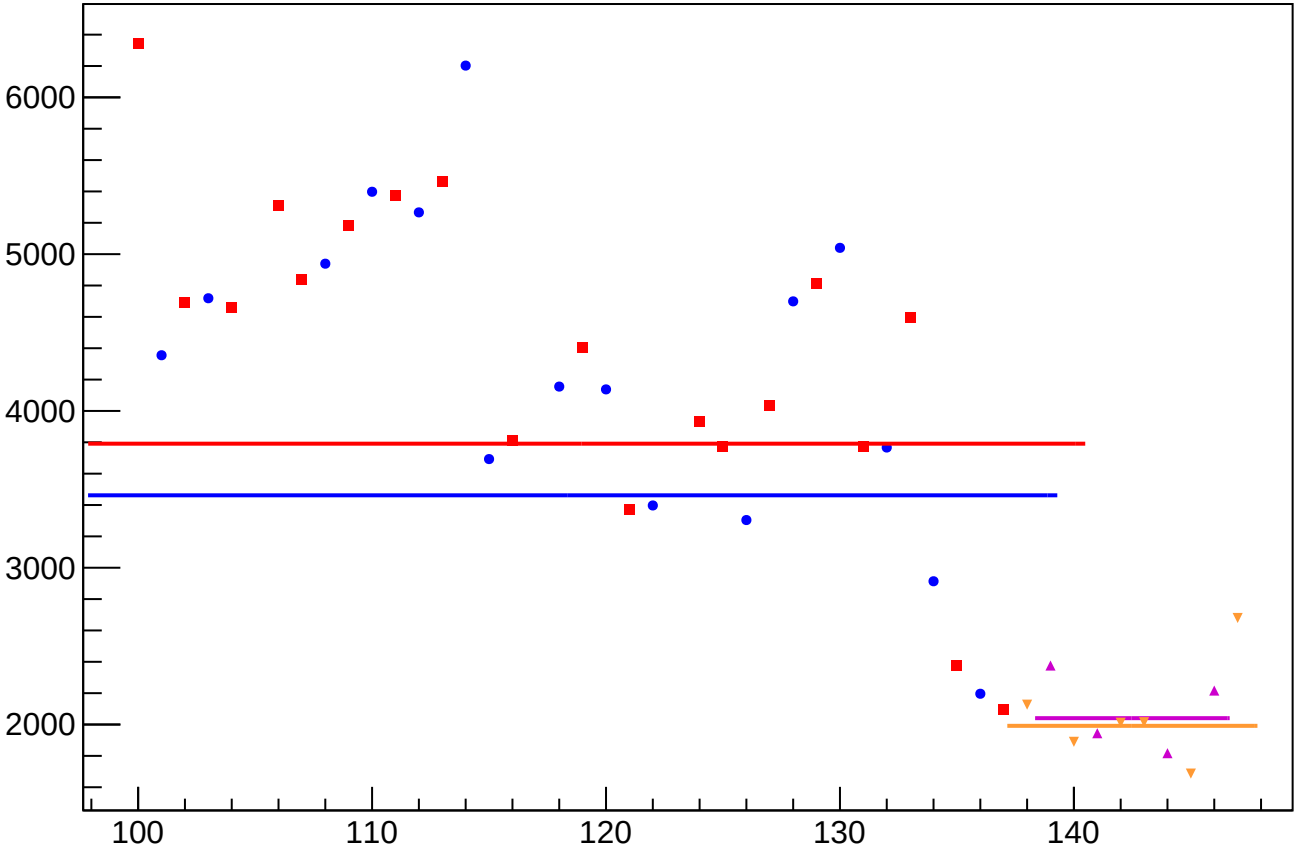
Left In: 981.682+/-1096.260 χ^2/NDF:2.5/3

\+ sign -1518.254+/-778.206 χ^2/NDF: 29.8/21

All: -743.018+/-580.908 χ^2/NDF: 50.2/44

\- sign 232.574+/-872.995 χ^2/NDF: 18.2/22

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171994.8/5

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

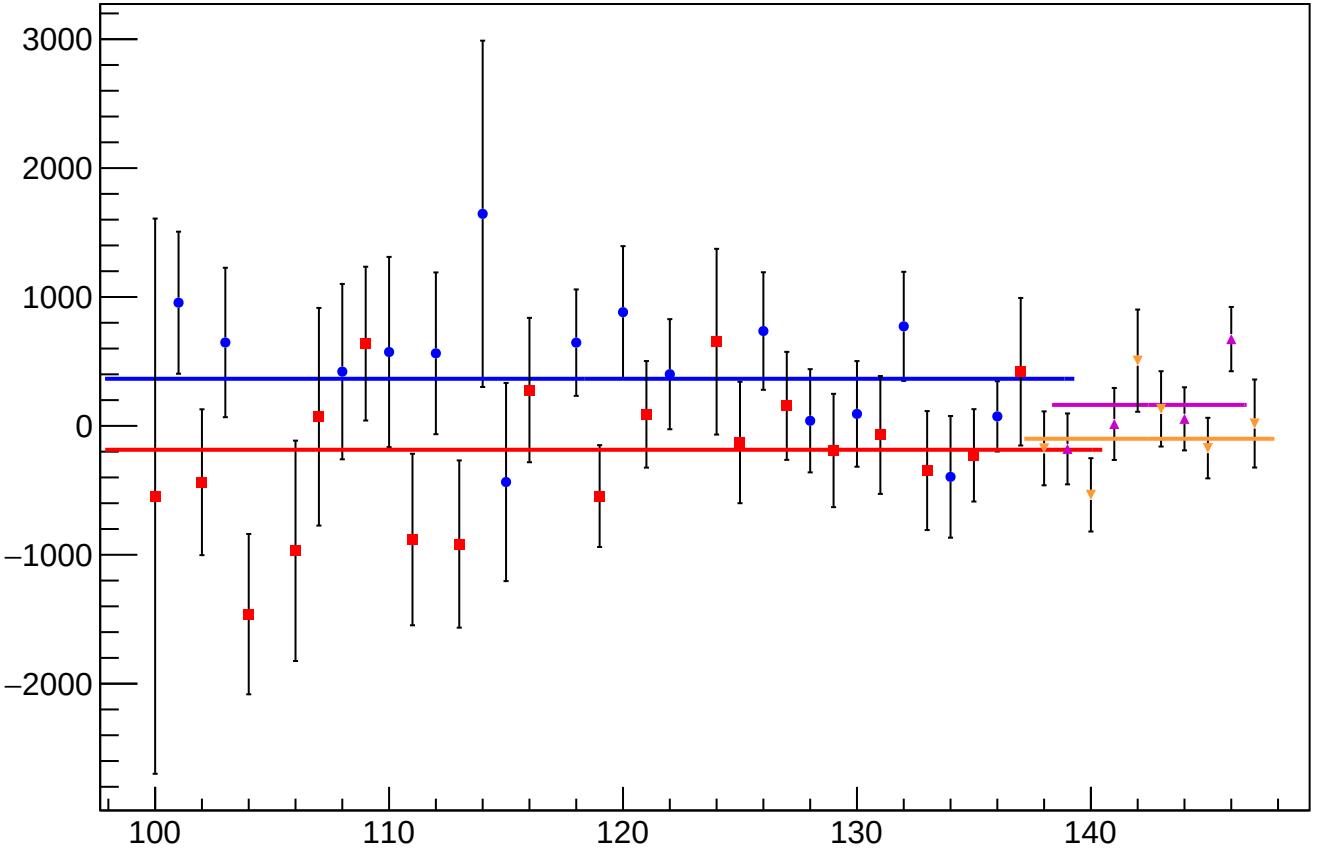
Left In: 2040.554+/-0.775 χ^2/NDF:76068.4/3

+ sign 2477.471+/-0.550 χ^2/NDF: 3061023.7/21

All: 2567.598+/-0.411 χ^2/NDF: 6219374.2/44

- sign 2681.018+/-0.617 χ^2/NDF: 3097765.8/22

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

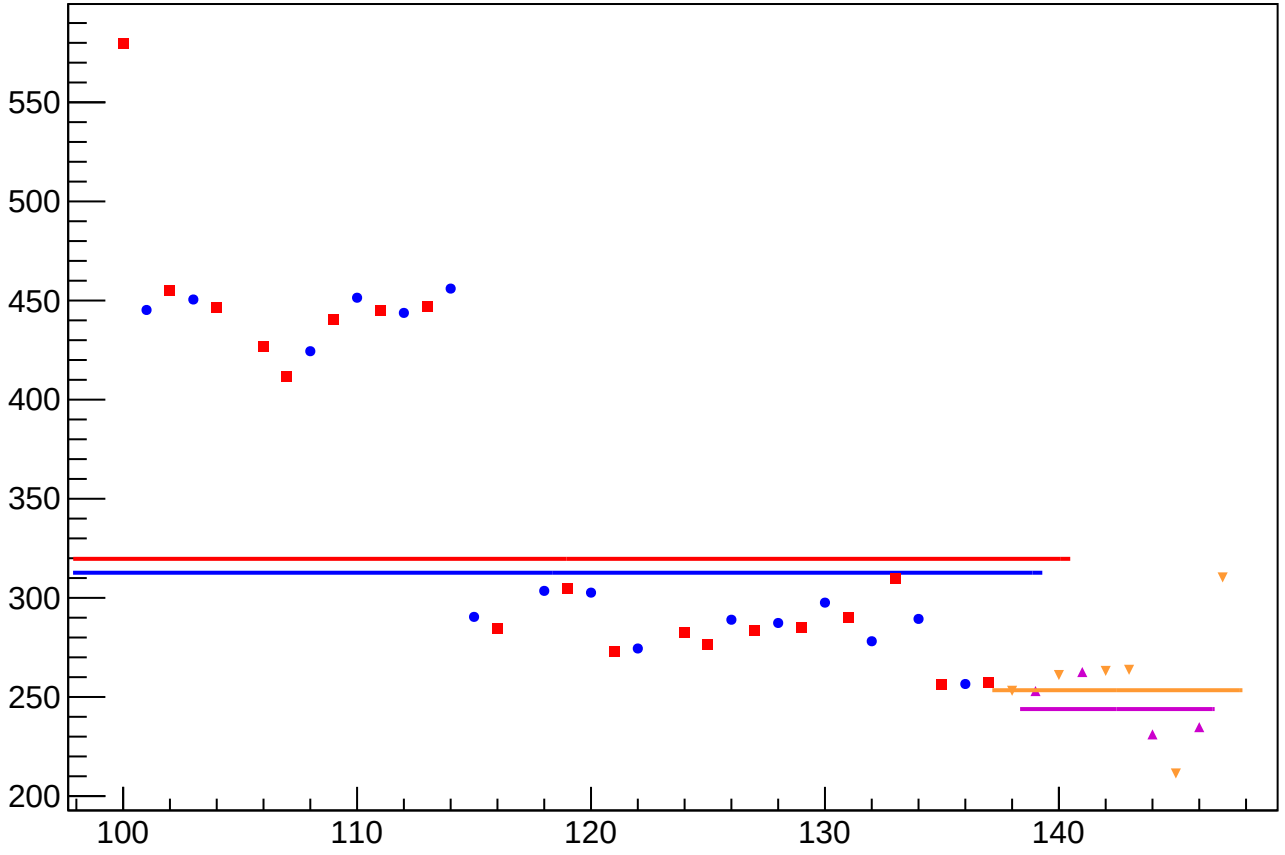
Left In: 162.802+/-130.413 χ^2/NDF:6.2/3

+ sign 135.271+/-84.503 χ^2/NDF: 24.7/21

All: 58.527+/-61.079 χ^2/NDF: 51.4/44

- sign -25.430+/-88.384 χ^2/NDF: 25.0/22

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

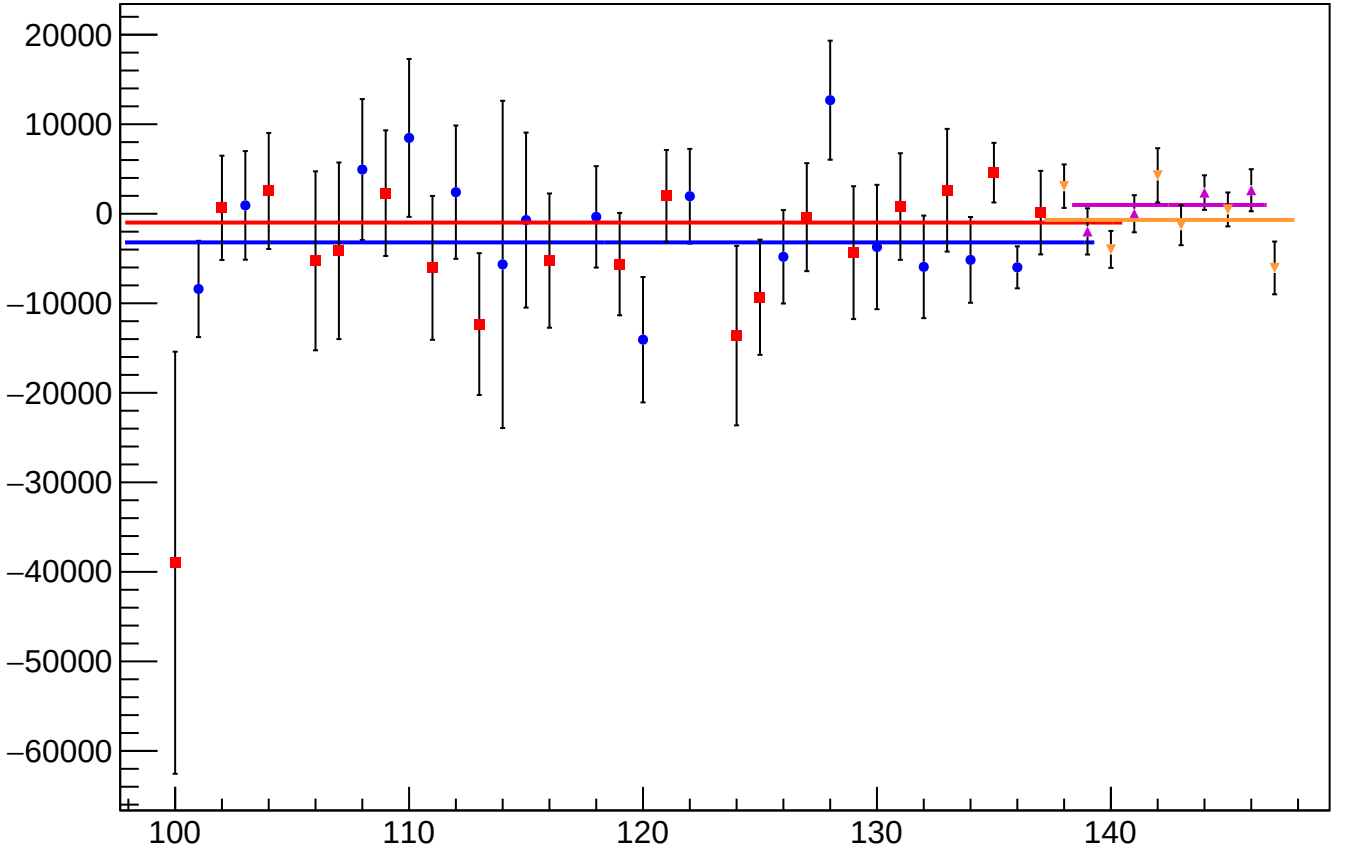
Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

+ sign 283.364+/-0.060 χ^2/NDF: 972731.8/21

All: 284.089+/-0.043 χ^2/NDF: 2051192.1/44

- sign 284.883+/-0.062 χ^2/NDF: 1078151.9/22

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

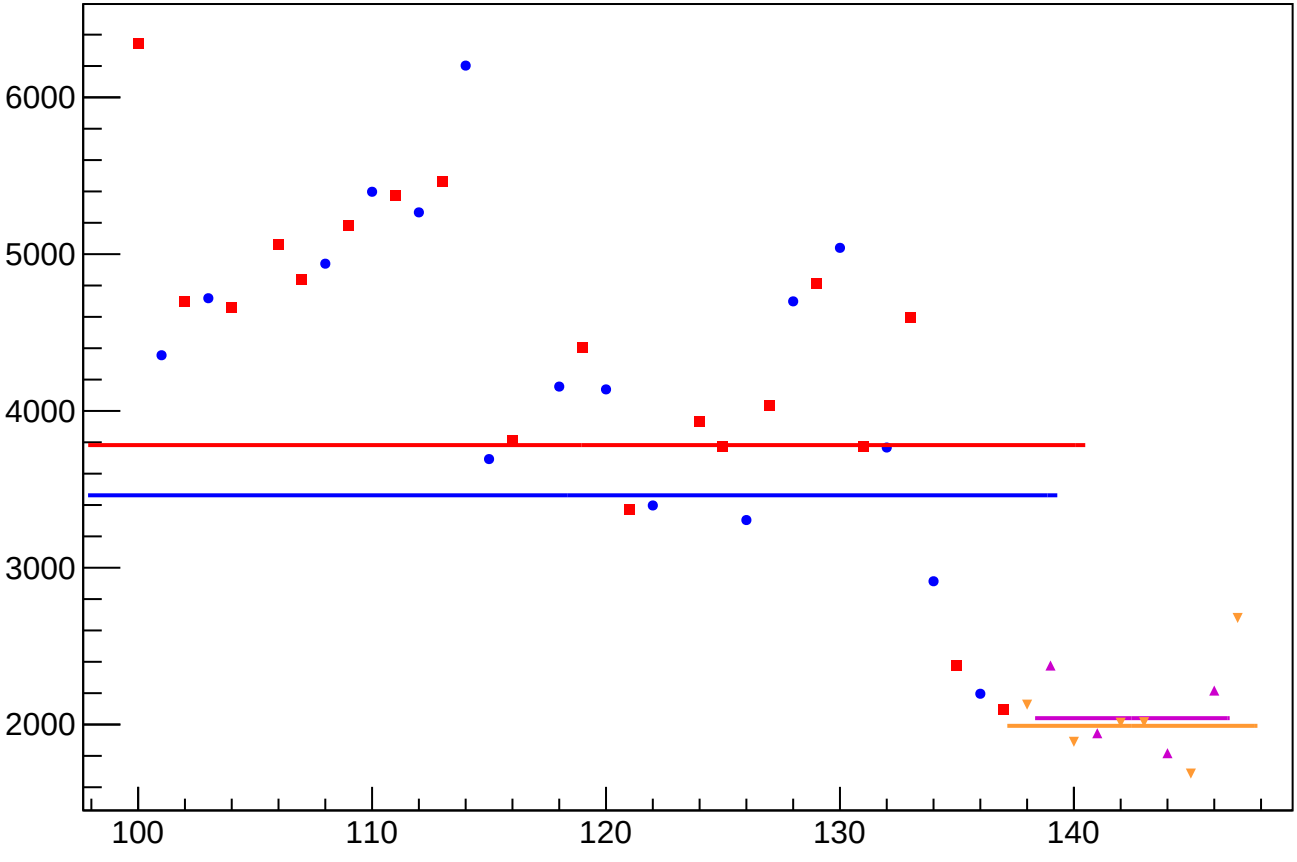
Left In: 981.651+/-1096.260 χ^2/NDF:2.5/3

\+ sign -1518.229+/-778.207 χ^2/NDF: 29.8/21

All: -729.134+/-581.034 χ^2/NDF: 49.8/44

\- sign 264.873+/-873.424 χ^2/NDF: 17.7/22

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

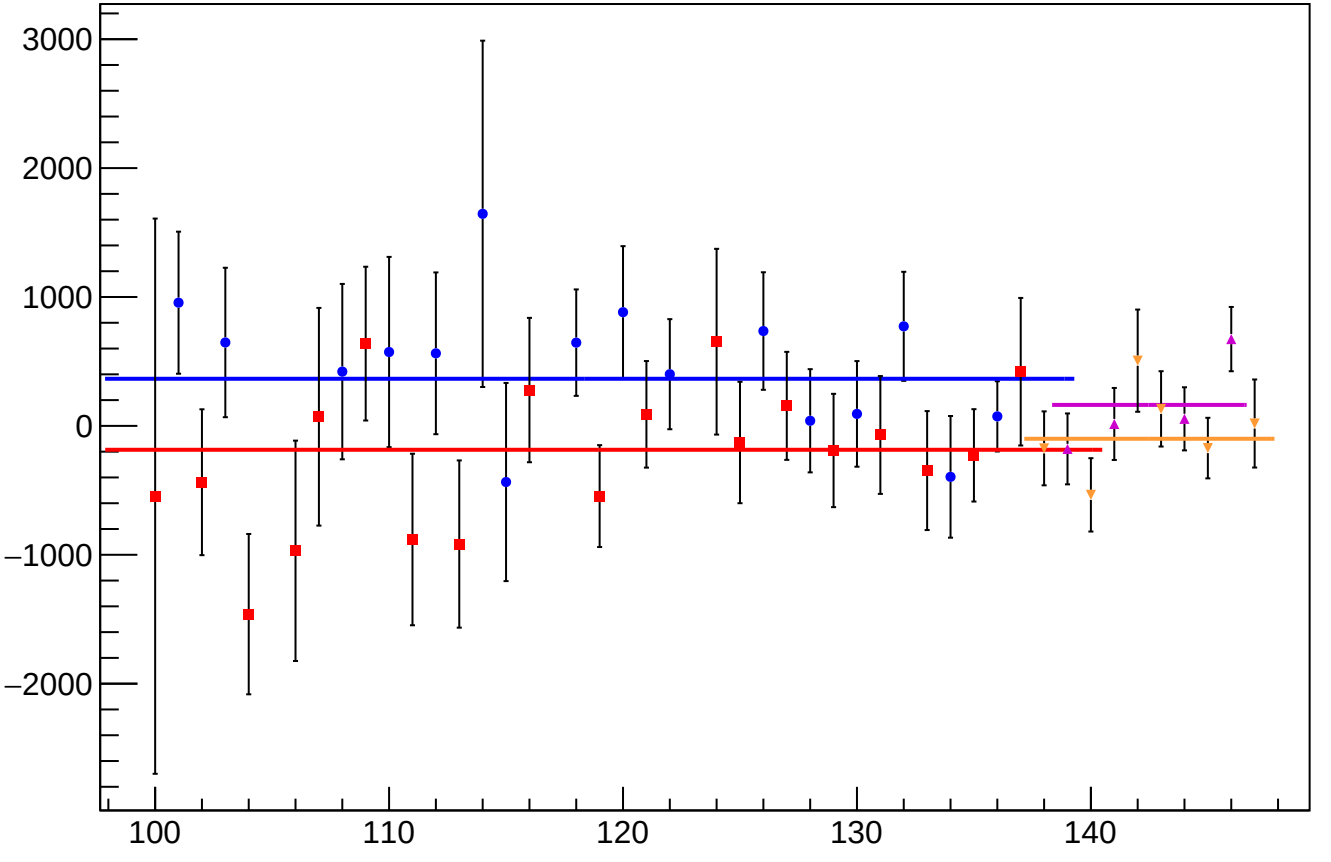
Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

+ sign 2477.471+/-0.550 χ^2/NDF: 3061047.0/21

All: 2565.607+/-0.411 χ^2/NDF: 6175023.7/44

- sign 2676.630+/-0.618 χ^2/NDF: 3056007.6/22

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

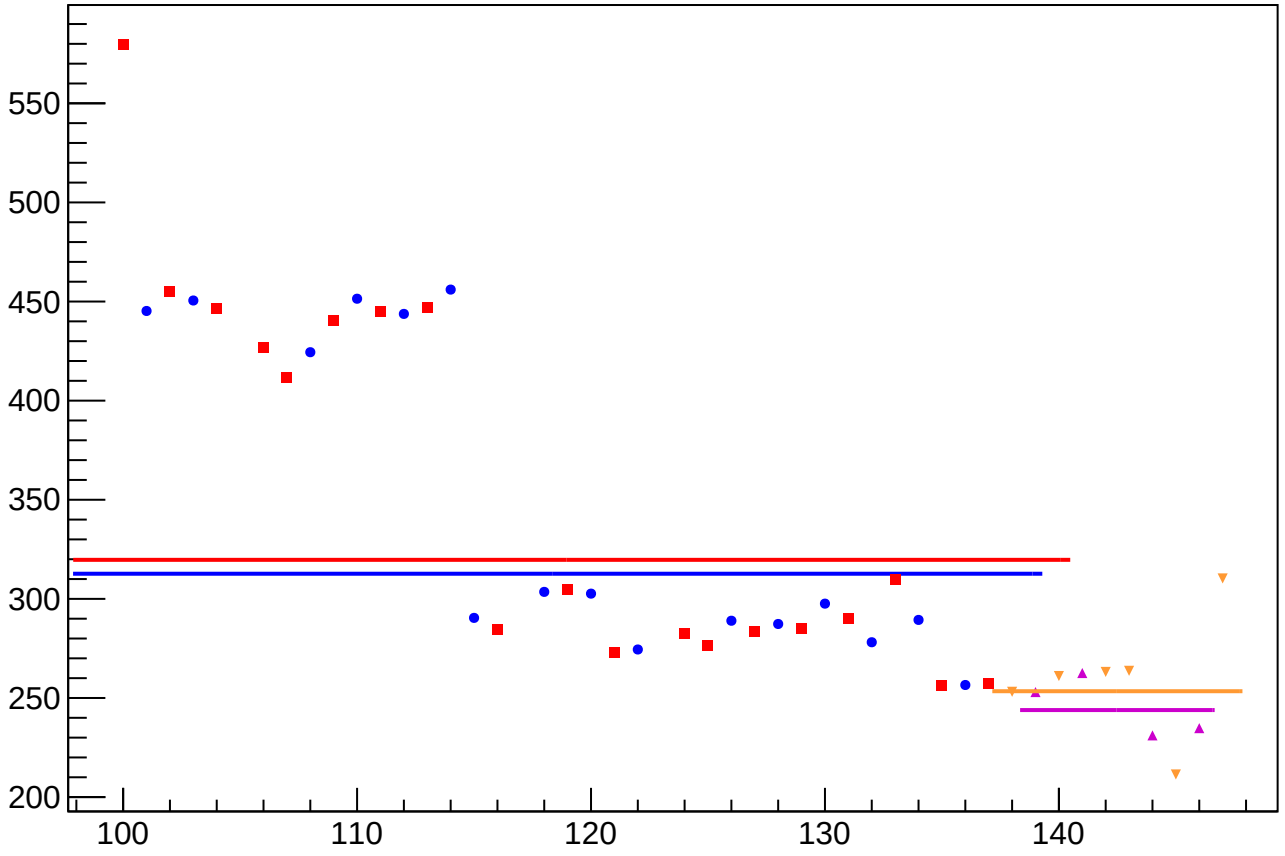
Left In: 162.802+/-130.413 χ^2/NDF:6.2/3

+ sign 135.271+/-84.503 χ^2/NDF: 24.7/21

All: 58.527+/-61.079 χ^2/NDF: 51.4/44

- sign -25.430+/-88.384 χ^2/NDF: 25.0/22

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

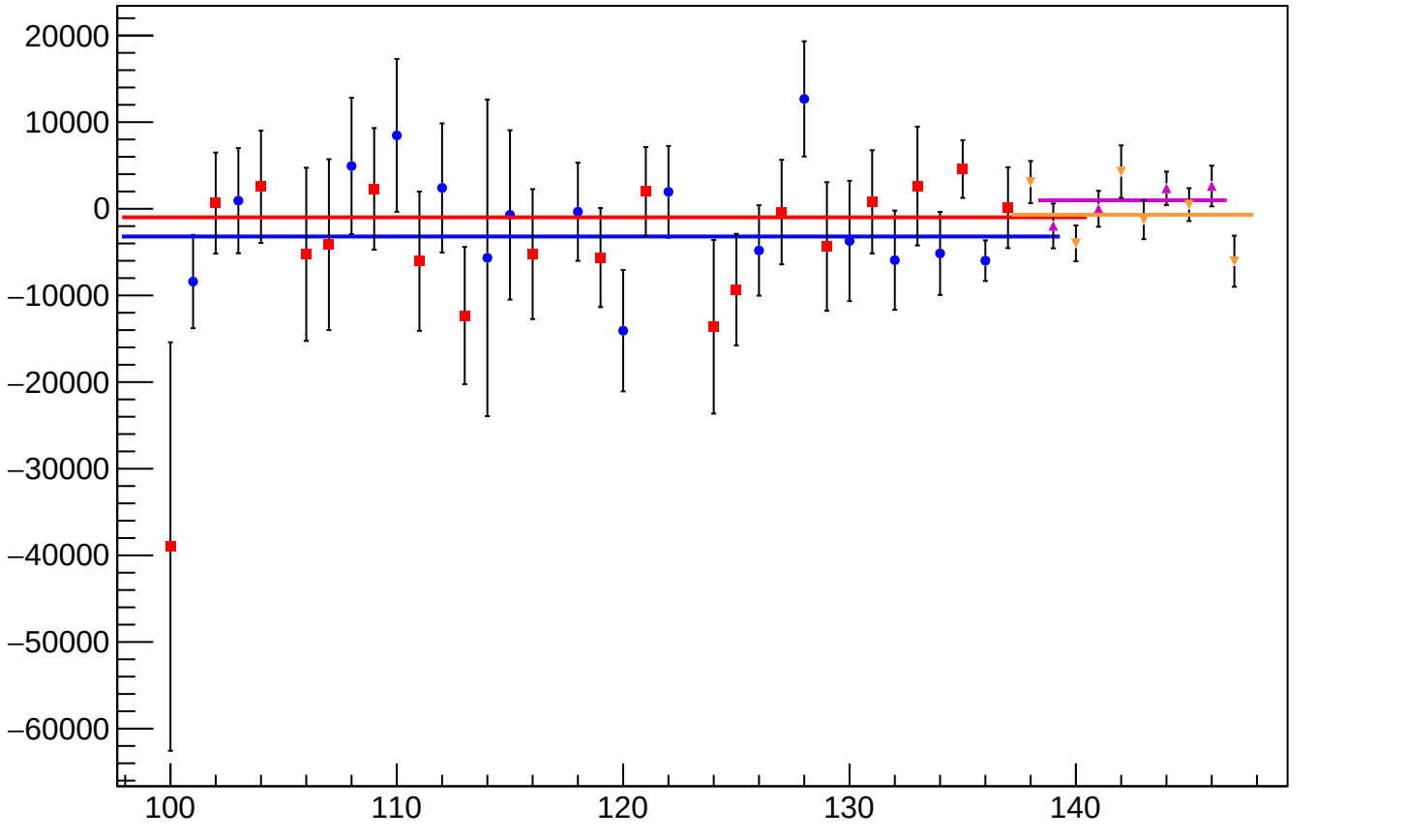
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

+ sign 283.364+/-0.060 χ^2/NDF: 972731.8/21

All: 284.089+/-0.043 χ^2/NDF: 2051192.1/44

- sign 284.883+/-0.062 χ^2/NDF: 1078151.9/22



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

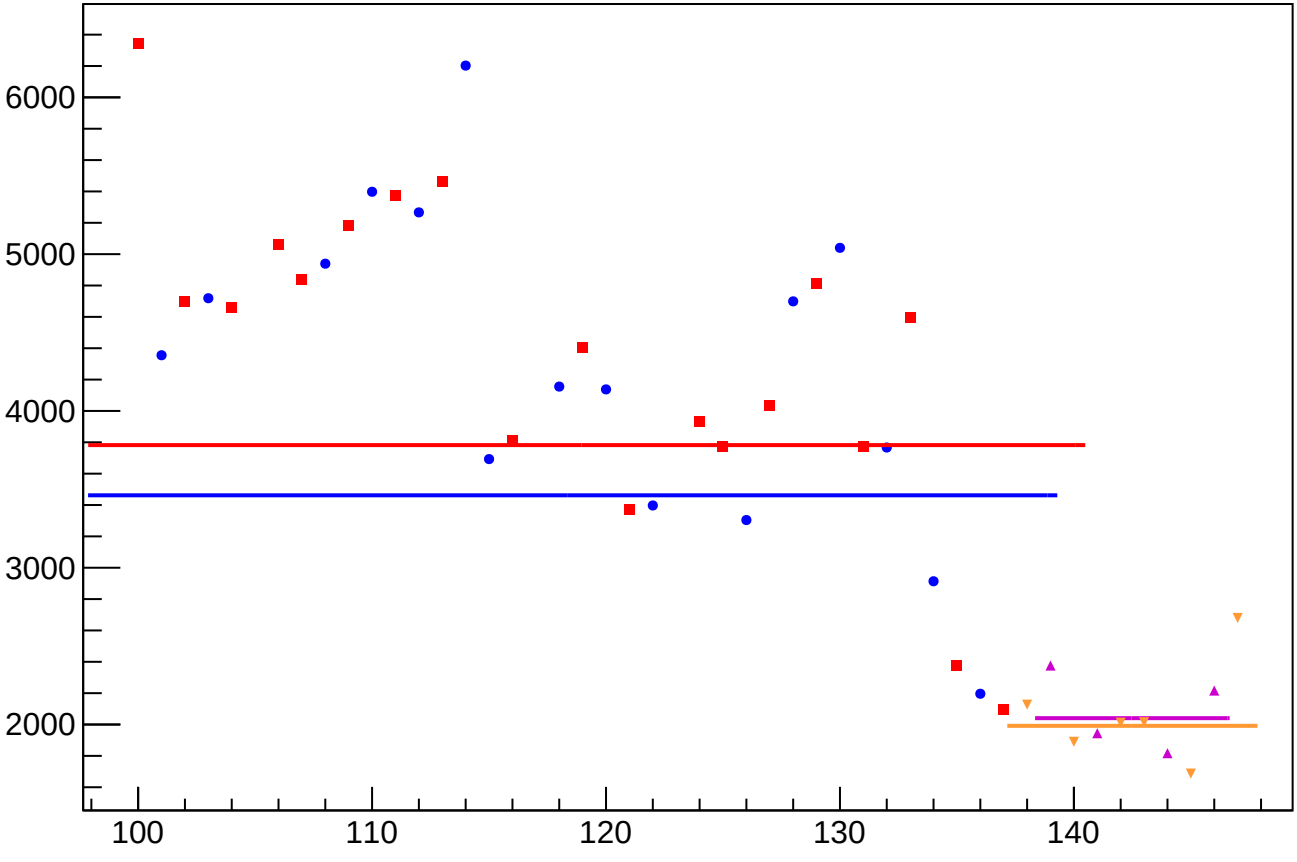
Left In: 981.651+/-1096.260 χ^2/NDF:2.5/3

+ sign -1518.229+/-778.207 χ^2/NDF: 29.8/21

All: -729.134+/-581.034 χ^2/NDF: 49.8/44

- sign 264.873+/-873.424 χ^2/NDF: 17.7/22

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

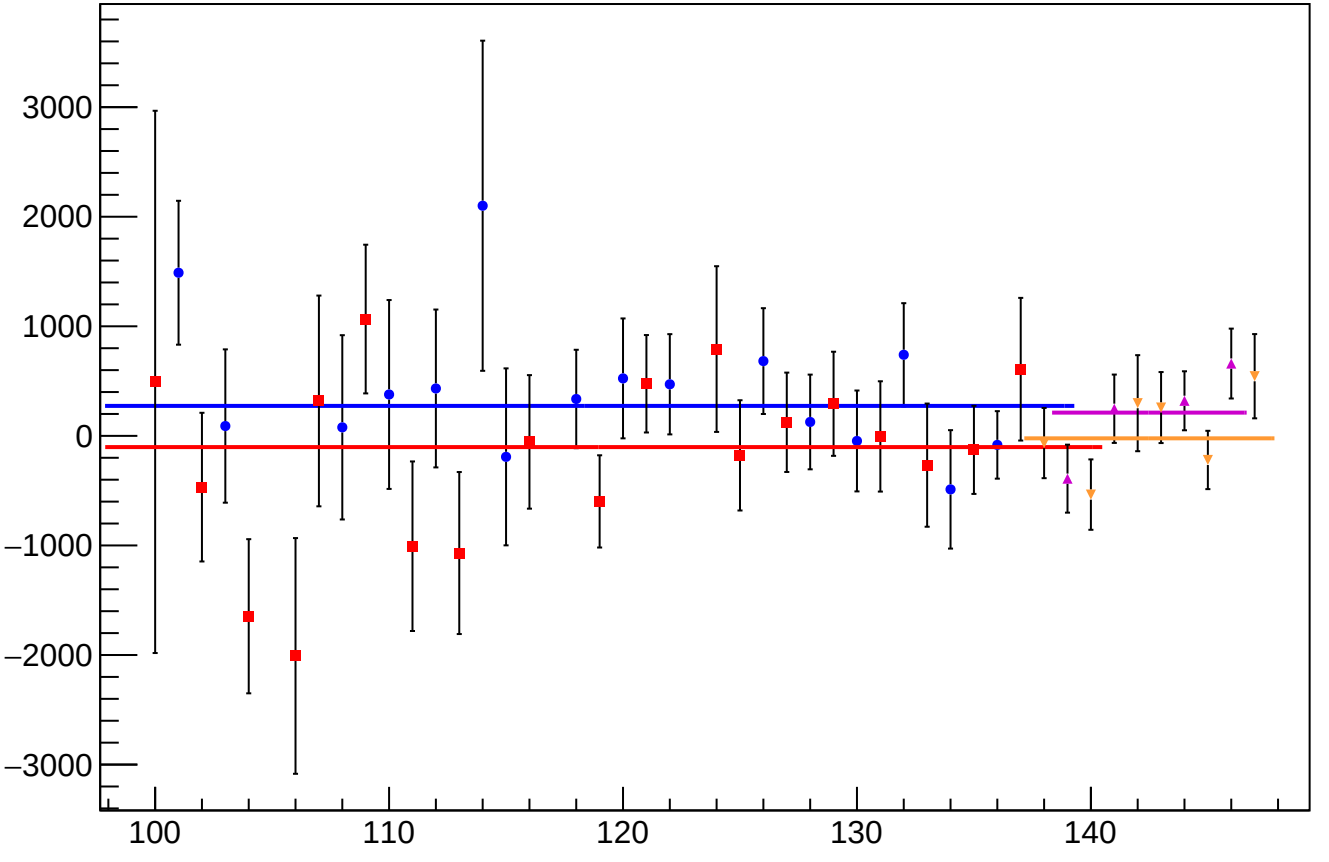
Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

+ sign 2477.471+/-0.550 χ^2/NDF: 3061047.0/21

All: 2565.607+/-0.411 χ^2/NDF: 6175023.7/44

- sign 2676.630+/-0.618 χ^2/NDF: 3056007.6/22

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -22.518+/-134.792 χ^2/NDF:6.6/5

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

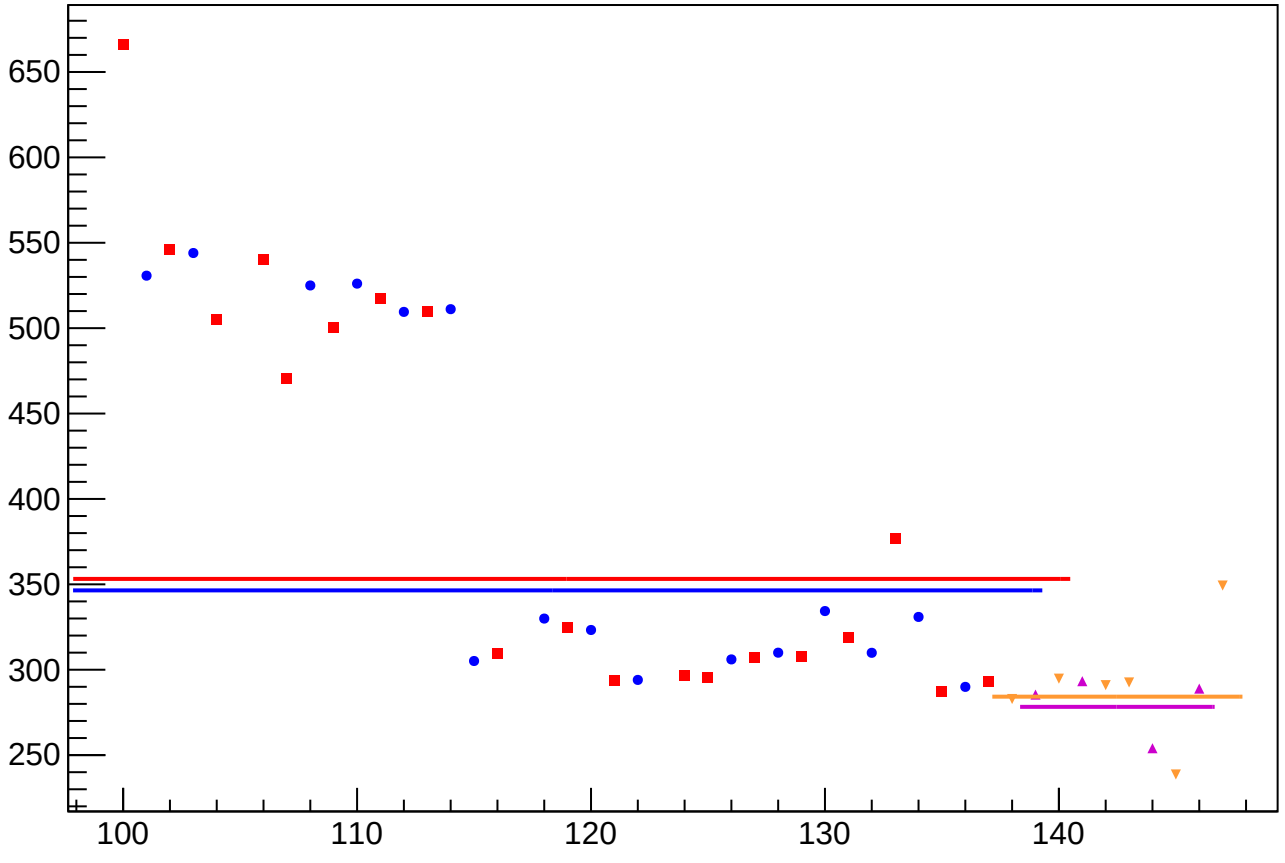
Left In: 212.174+/-150.262 χ^2/NDF:5.9/3

+ sign 128.027+/-94.505 χ^2/NDF: 20.5/21

All: 84.781+/-68.635 χ^2/NDF: 50.6/44

- sign 36.510+/-99.845 χ^2/NDF: 29.7/22

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 284.227+/-0.095 χ^2/NDF:119878.3/5

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

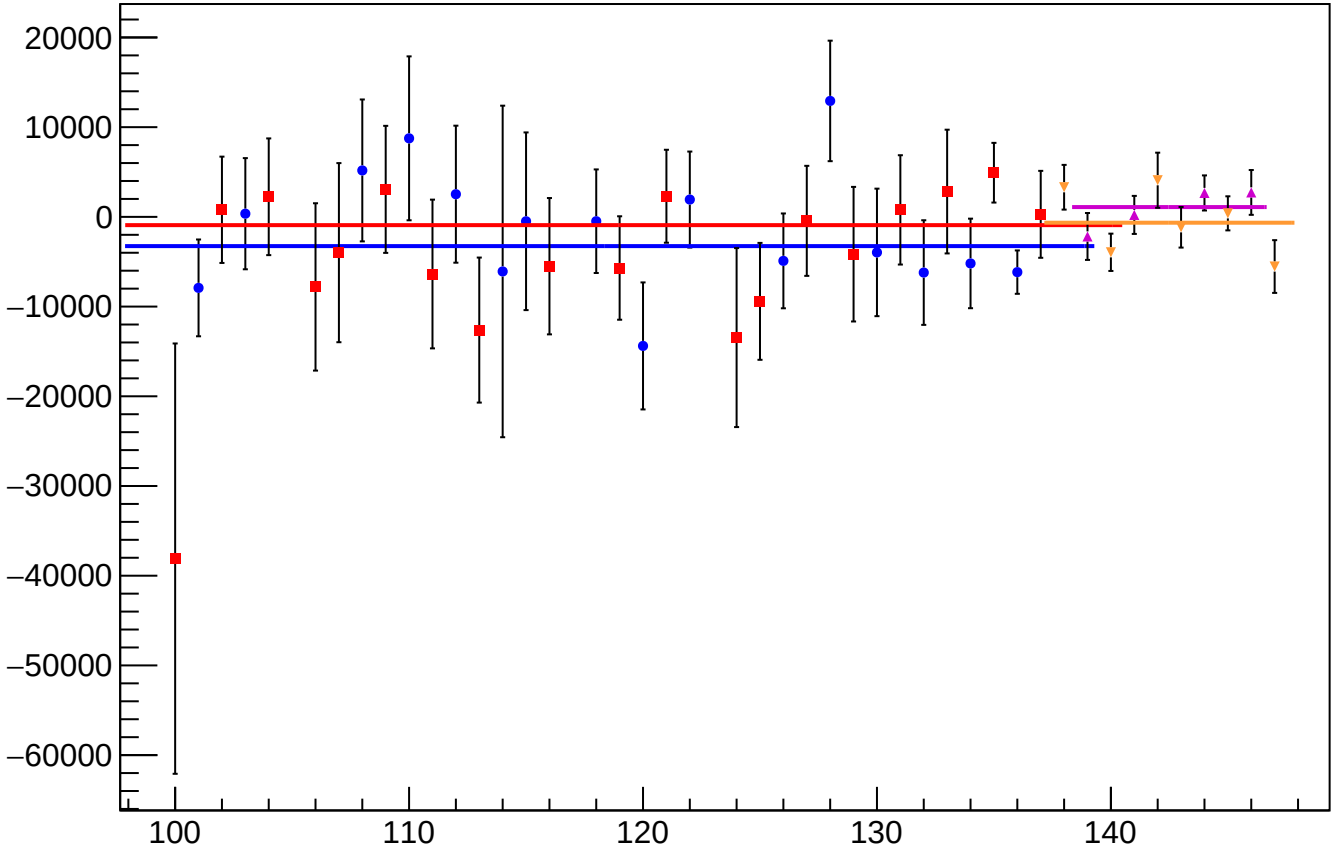
Left In: 278.263+/-0.106 χ^2/NDF:24153.4/3

+ sign 315.866+/-0.067 χ^2/NDF: 1105367.0/21

All: 317.867+/-0.049 χ^2/NDF: 2275413.1/44

- sign 320.101+/-0.071 χ^2/NDF: 1168147.9/22

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -650.561+/-959.450 χ^2/NDF:10.5/5

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

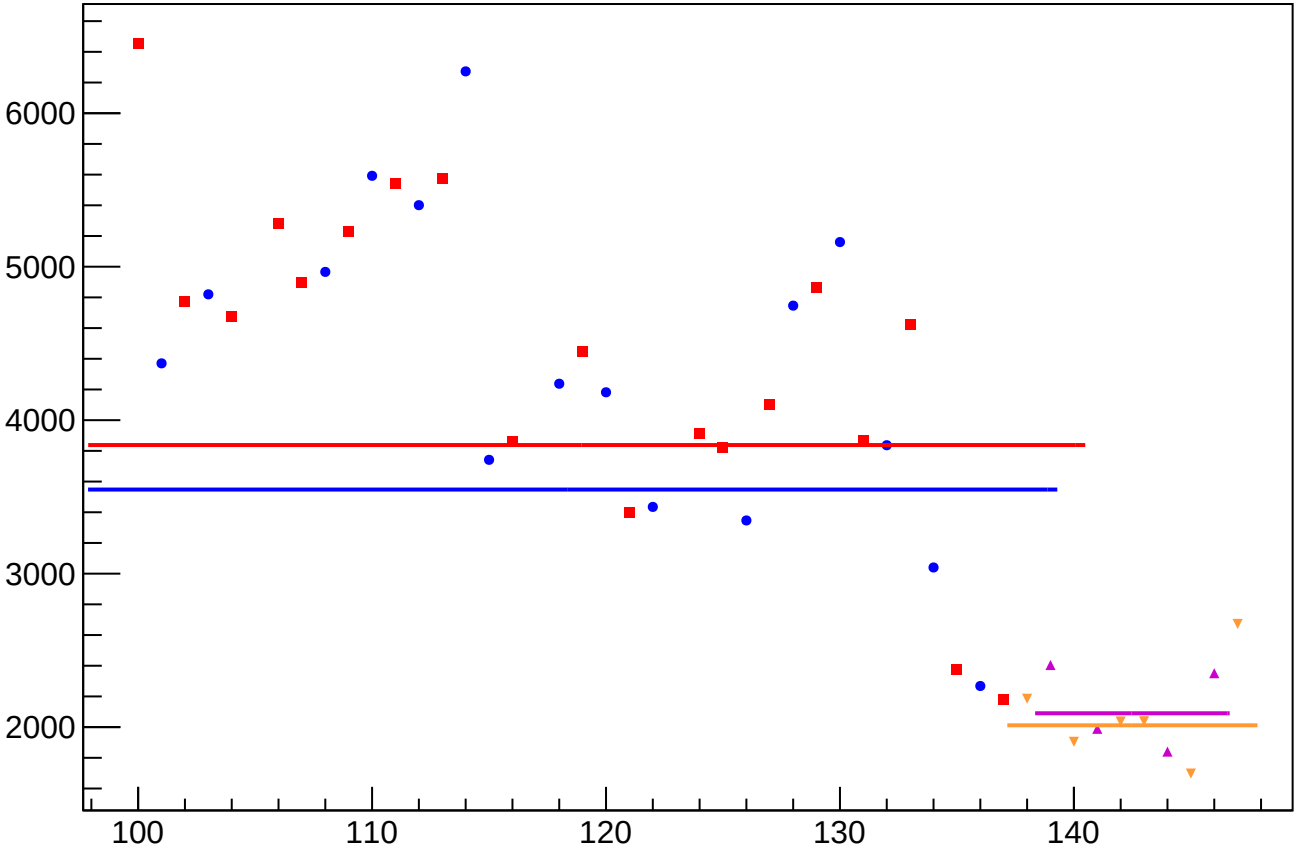
Left In: 1092.160+/-1124.741 χ^2/NDF:2.8/3

+ sign -1497.072+/-788.532 χ^2/NDF: 28.9/21

All: -689.154+/-590.546 χ^2/NDF: 50.0/44

- sign 342.776+/-891.171 χ^2/NDF: 18.6/22

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2011.812+/-0.678 χ^2/NDF:171199.4/5

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

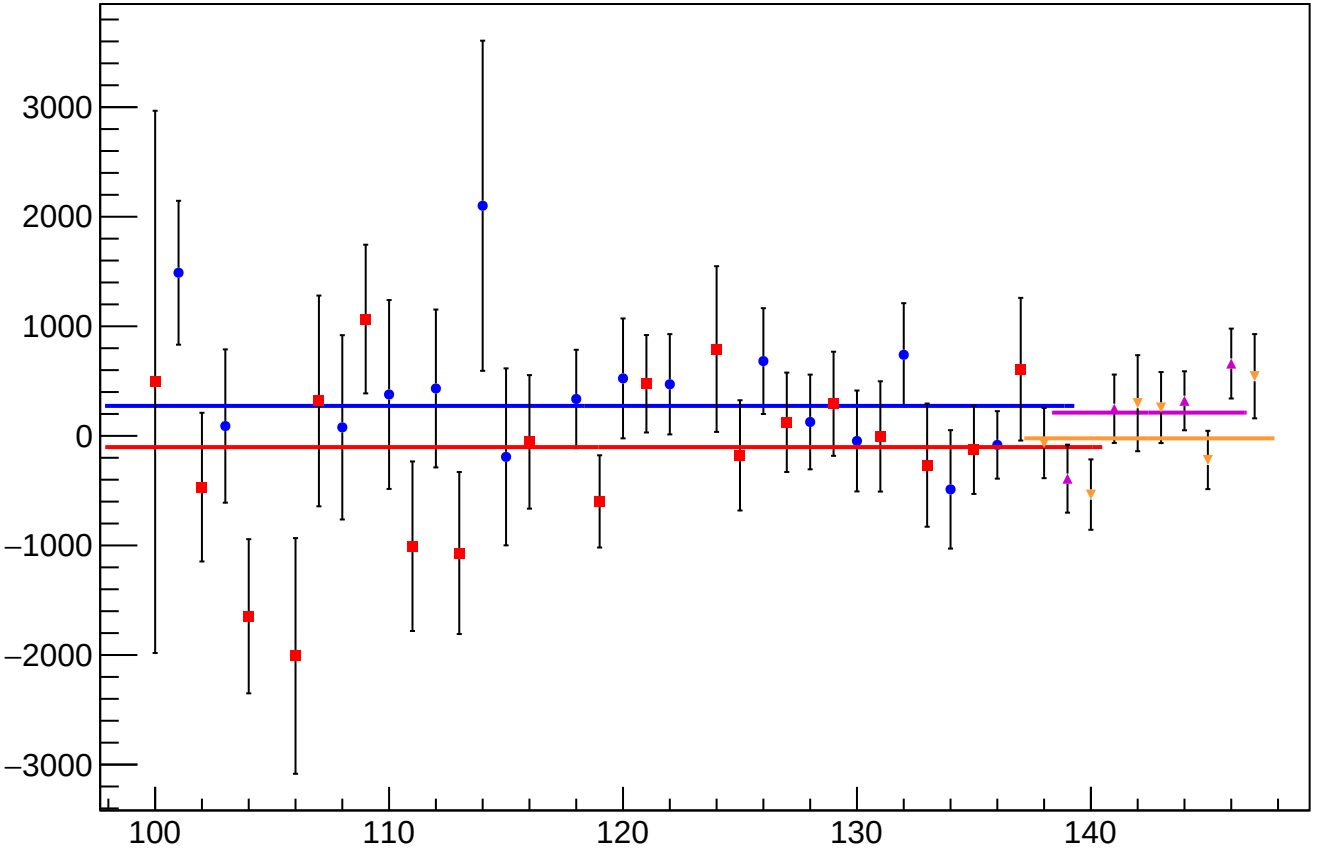
Left In: 2090.332+/-0.795 χ^2/NDF:87954.8/3

+ sign 2510.369+/-0.558 χ^2/NDF: 3093620.2/21

All: 2611.562+/-0.418 χ^2/NDF: 6209677.4/44

- sign 2740.814+/-0.630 χ^2/NDF: 3041048.7/22

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -22.525+/-134.792 χ^2/NDF:6.6/5

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

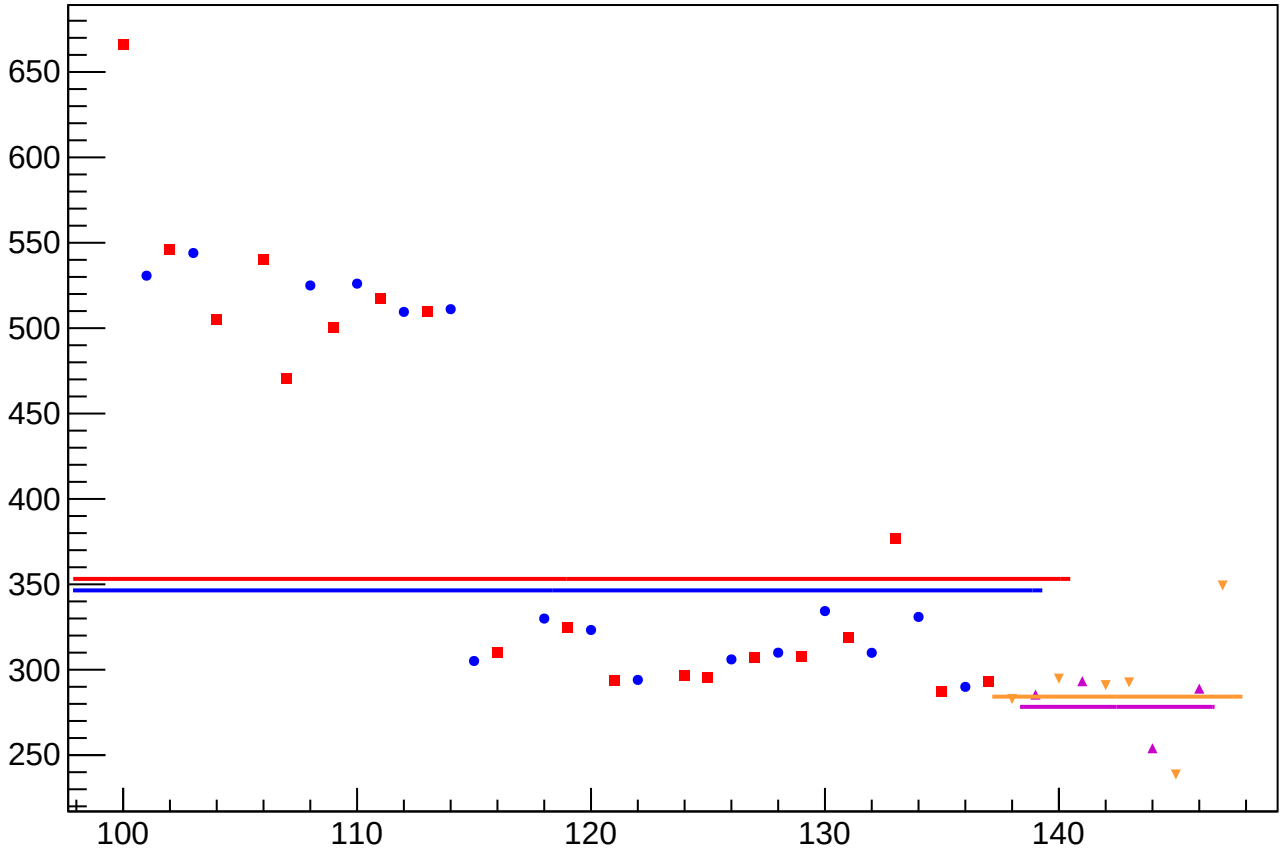
Left In: 212.175+/-150.262 χ^2/NDF:5.9/3

+ sign 128.026+/-94.505 χ^2/NDF: 20.5/21

All: 84.781+/-68.635 χ^2/NDF: 50.6/44

- sign 36.511+/-99.845 χ^2/NDF: 29.7/22

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 284.227+/-0.095 χ^2/NDF:119879.8/5

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

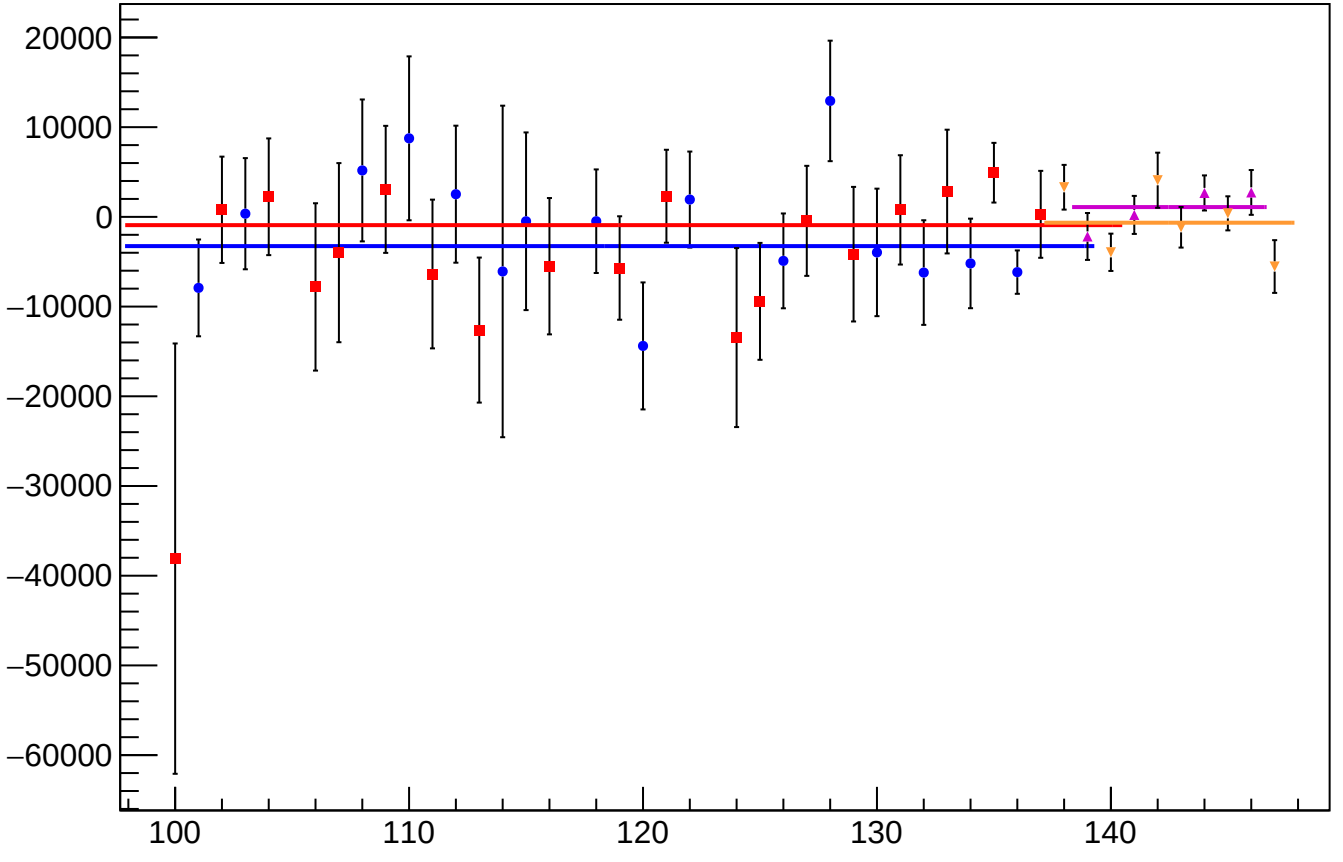
Left In: 278.263+/-0.106 χ^2/NDF:24152.9/3

+ sign 315.865+/-0.067 χ^2/NDF: 1105347.8/21

All: 317.866+/-0.049 χ^2/NDF: 2275375.9/44

- sign 320.100+/-0.071 χ^2/NDF: 1168129.7/22

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -650.563+/-959.448 χ^2/NDF:10.5/5

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

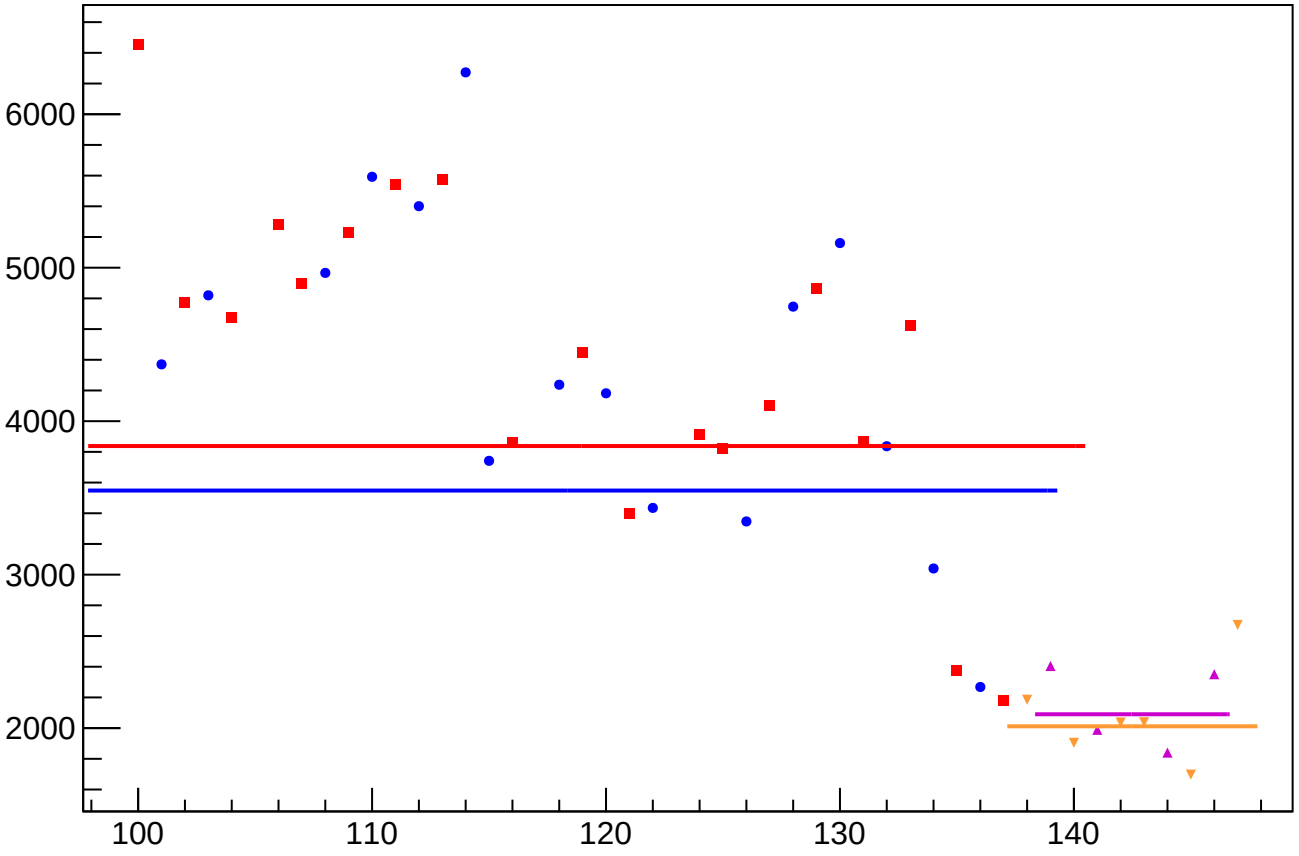
Left In: 1092.157+/-1124.740 χ^2/NDF:2.8/3

+ sign -1497.071+/-788.531 χ^2/NDF: 28.9/21

All: -689.156+/-590.545 χ^2/NDF: 50.0/44

- sign 342.772+/-891.170 χ^2/NDF: 18.6/22

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2011.809+/-0.678 χ^2/NDF:171201.8/5

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

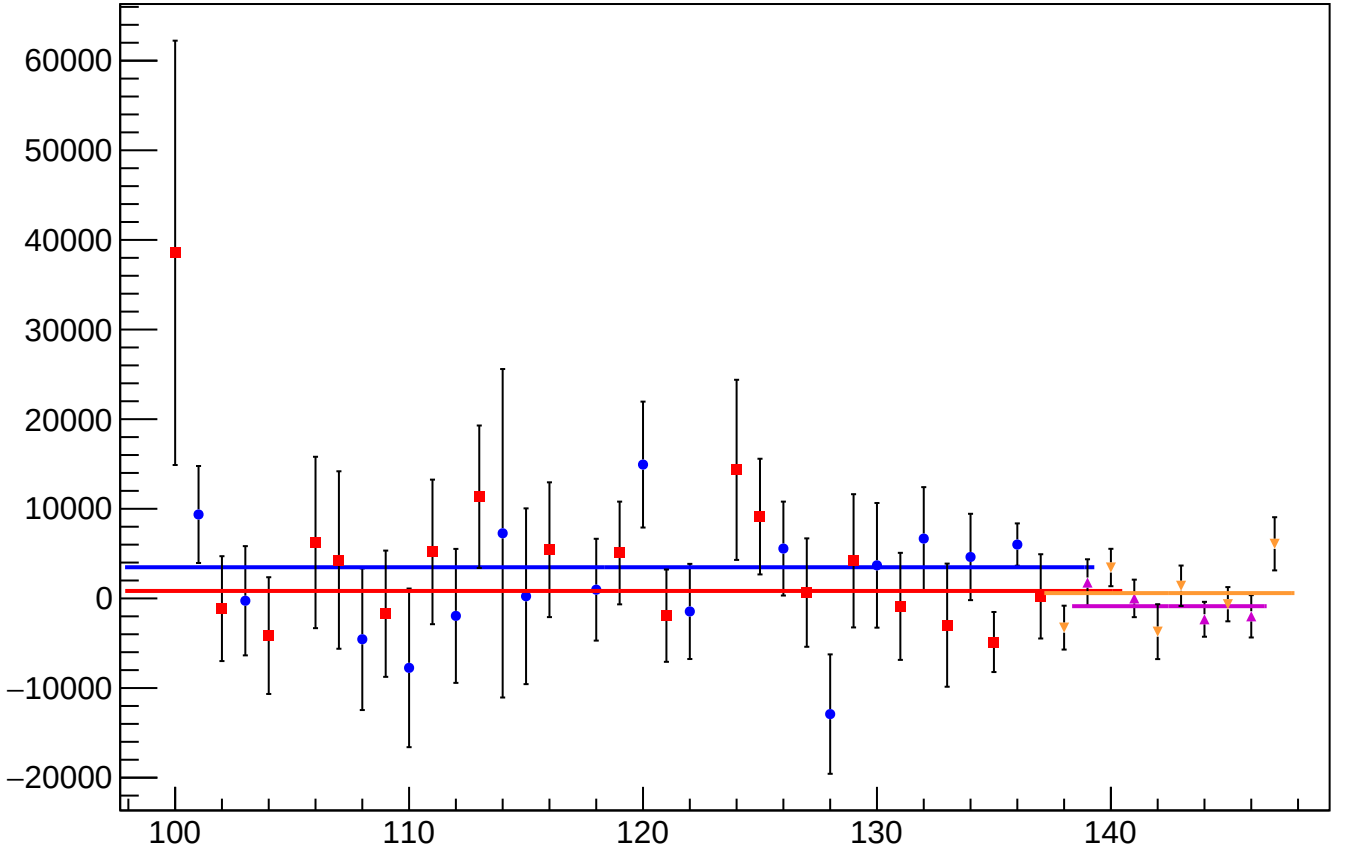
Left In: 2090.330+/-0.795 χ^2/NDF:87953.6/3

+ sign 2510.366+/-0.558 χ^2/NDF: 3093612.2/21

All: 2611.560+/-0.418 χ^2/NDF: 6209657.7/44

- sign 2740.812+/-0.630 χ^2/NDF: 3041036.3/22

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 593.321+/-958.892 χ^2/NDF:10.3/5

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

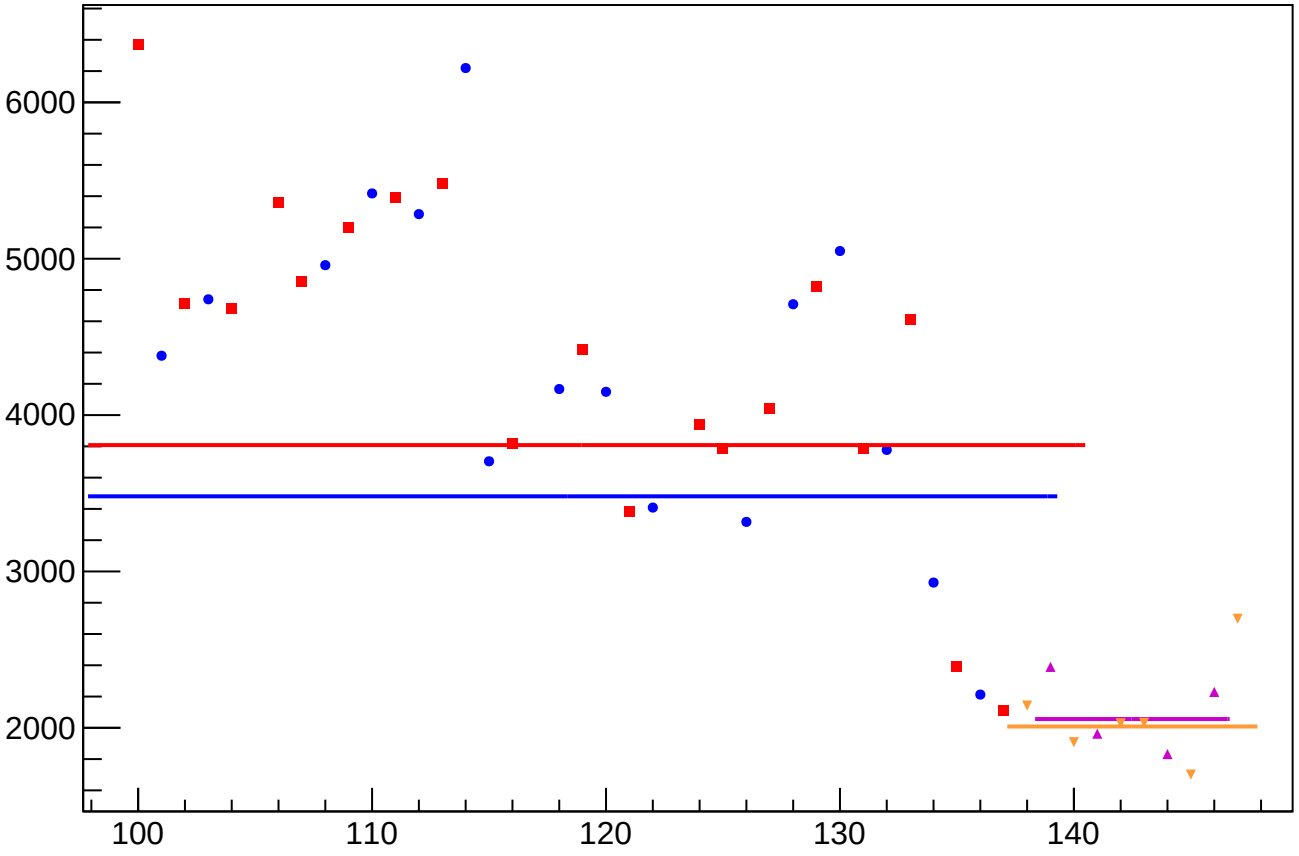
Left In: -866.611+/-1104.474 χ^2/NDF:2.0/3

+ sign 1550.970+/-783.753 χ^2/NDF: 29.6/21

All: 756.157+/-584.848 χ^2/NDF: 48.9/44

- sign -242.531+/-878.539 χ^2/NDF: 16.9/22

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2008.490+/-0.678 χ^2/NDF:170733.0/5

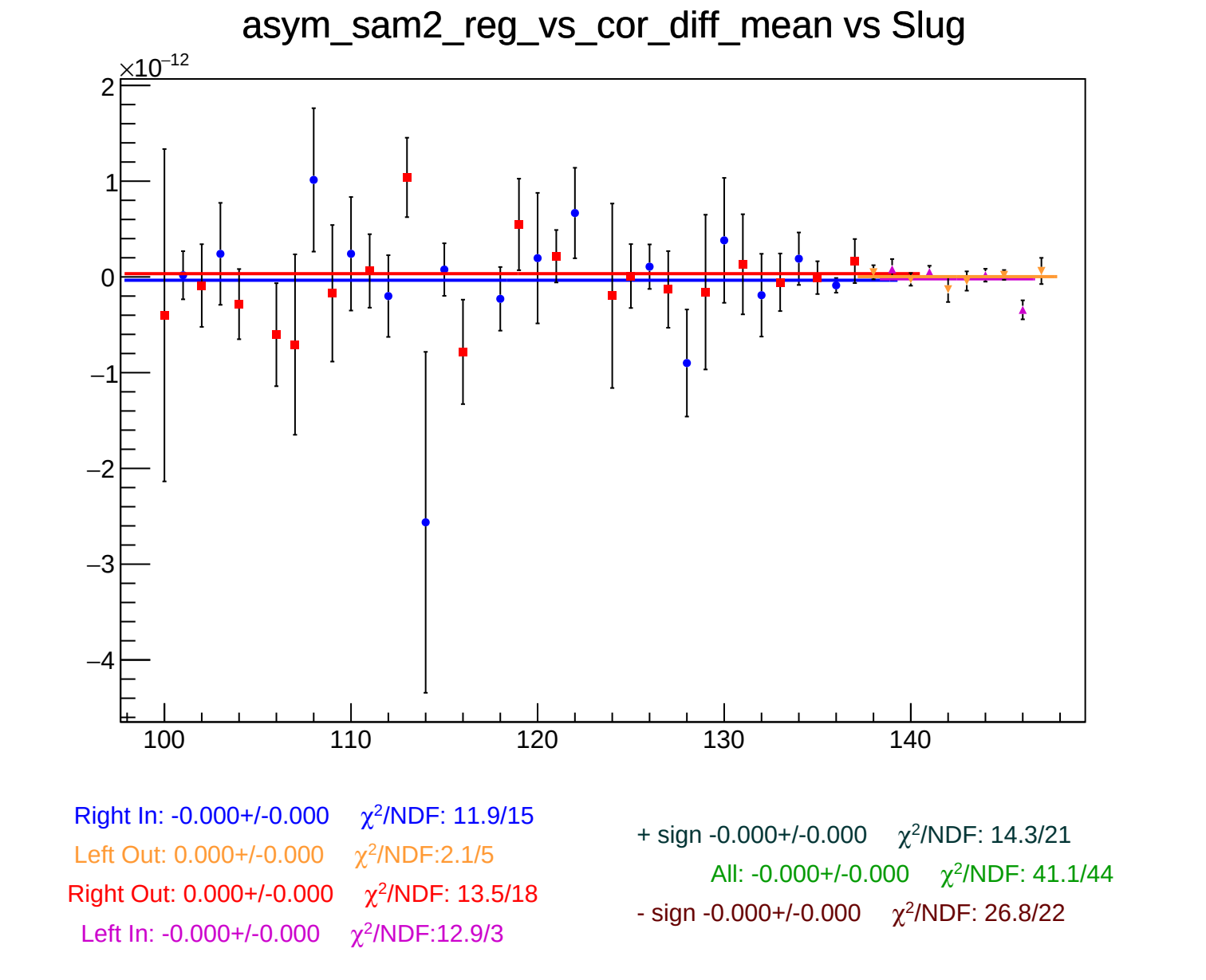
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2056.211+/-0.781 χ^2/NDF:74261.3/3

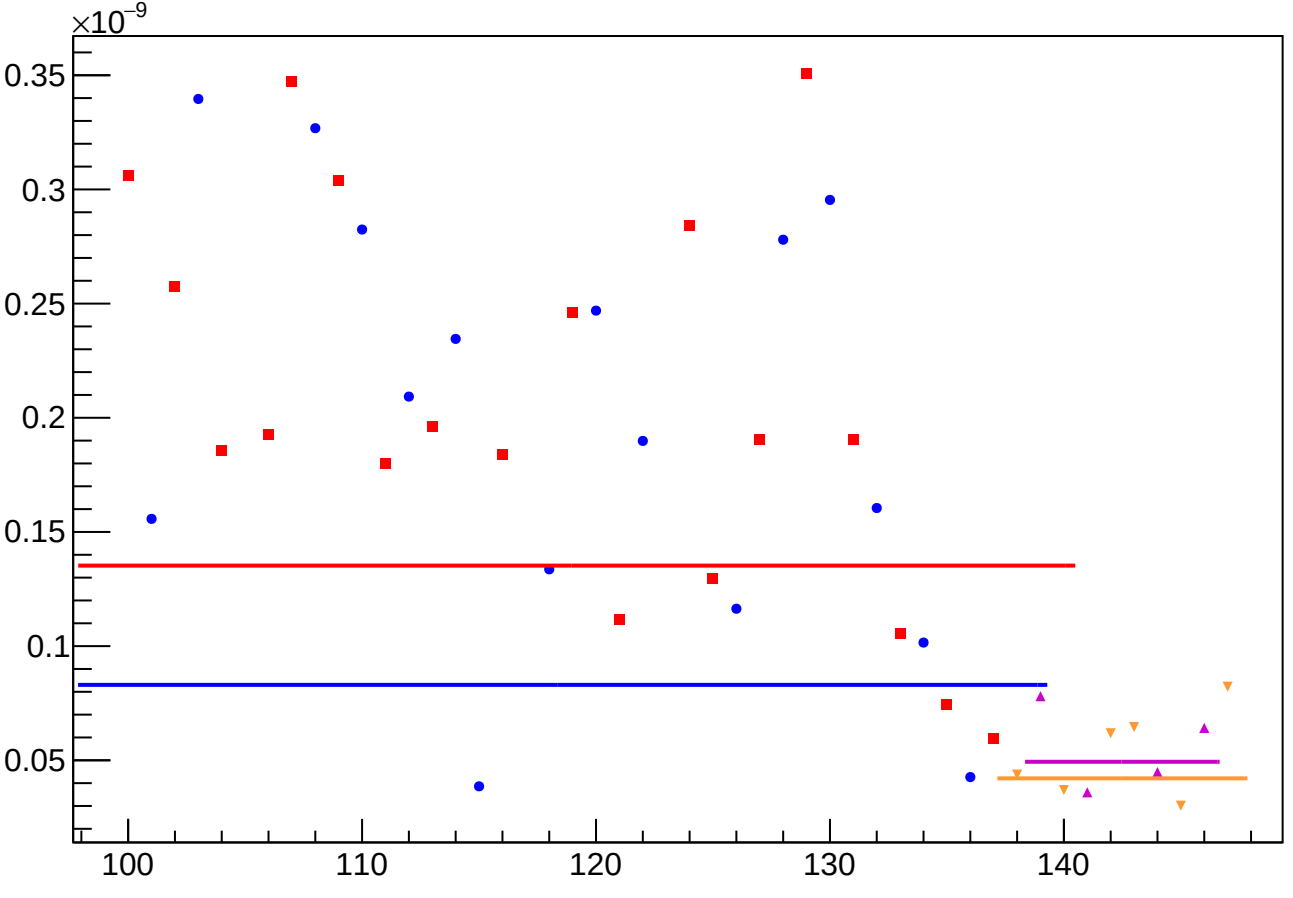
+ sign 2497.121+/-0.554 χ^2/NDF: 3031962.4/21

All: 2586.880+/-0.414 χ^2/NDF: 6161205.1/44

- sign 2699.663+/-0.621 χ^2/NDF: 3070050.5/22


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/3
+ sign -0.000+/-0.000 χ²/NDF: 14.3/21
All: -0.000+/-0.000 χ²/NDF: 41.1/44
- sign -0.000+/-0.000 χ²/NDF: 26.8/22

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:438856.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

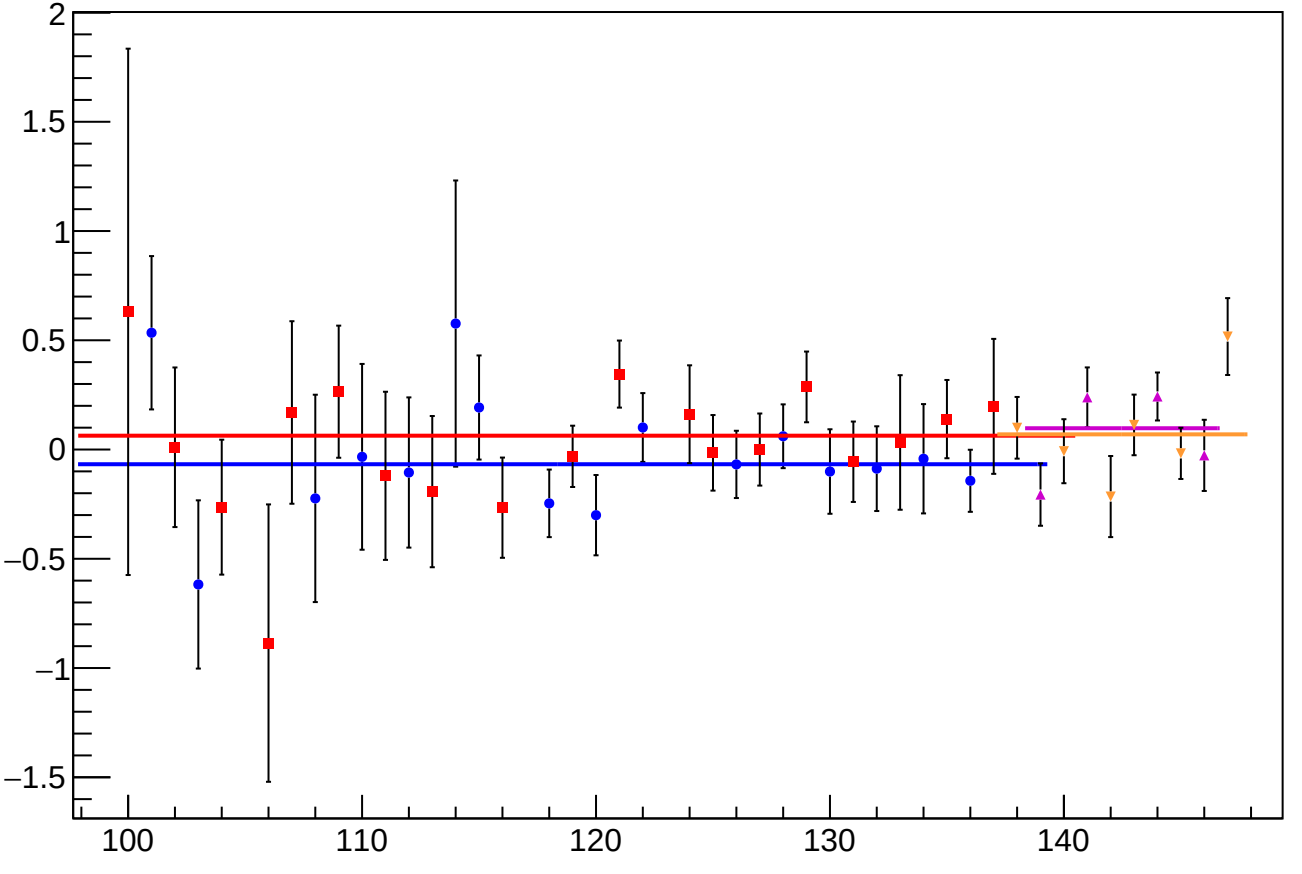
Left In: 0.000+/-0.000 χ^2/NDF:278306.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3859116.9/21

All: 0.000+/-0.000 χ^2/NDF: 7409115.6/44

- sign 0.000+/-0.000 χ^2/NDF: 3362907.7/22

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

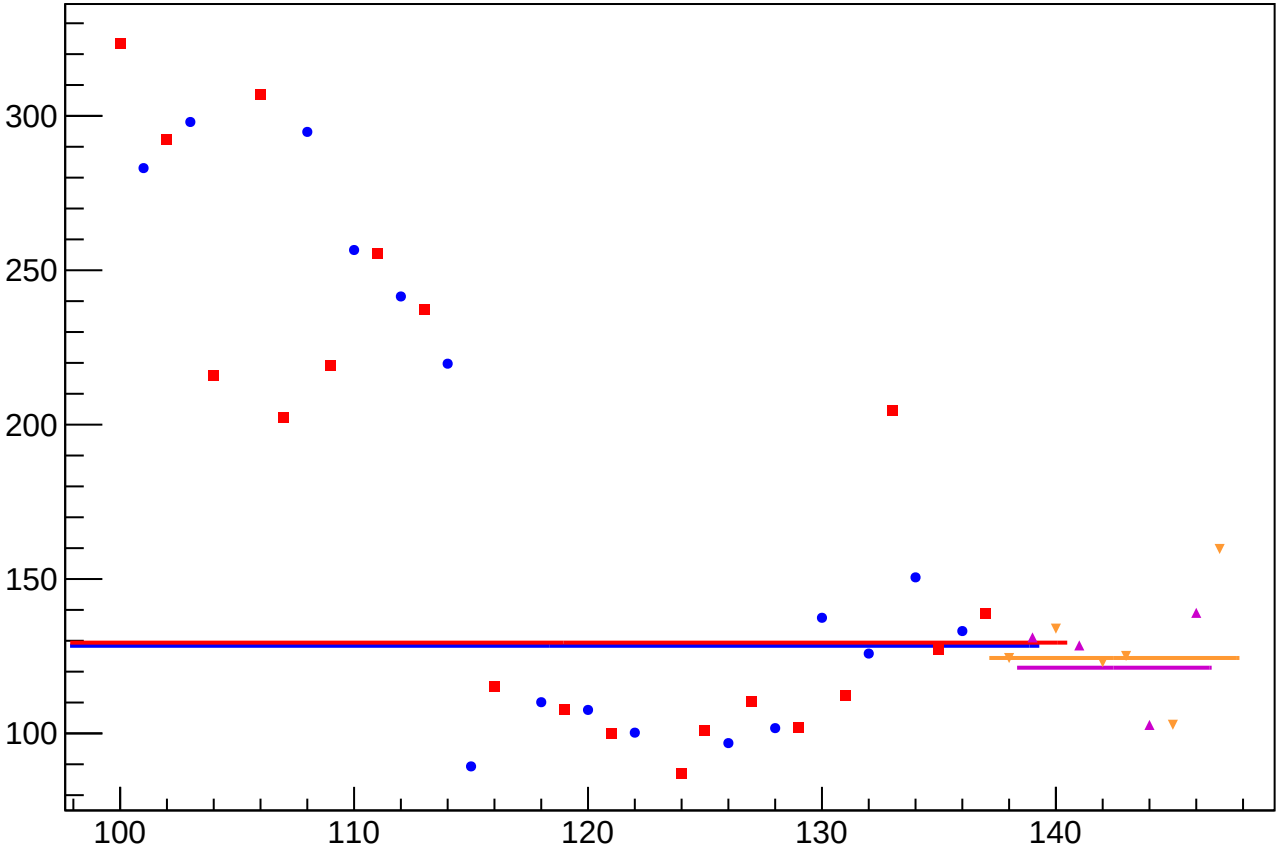
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.032+/-0.028 χ^2/NDF: 49.6/44

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

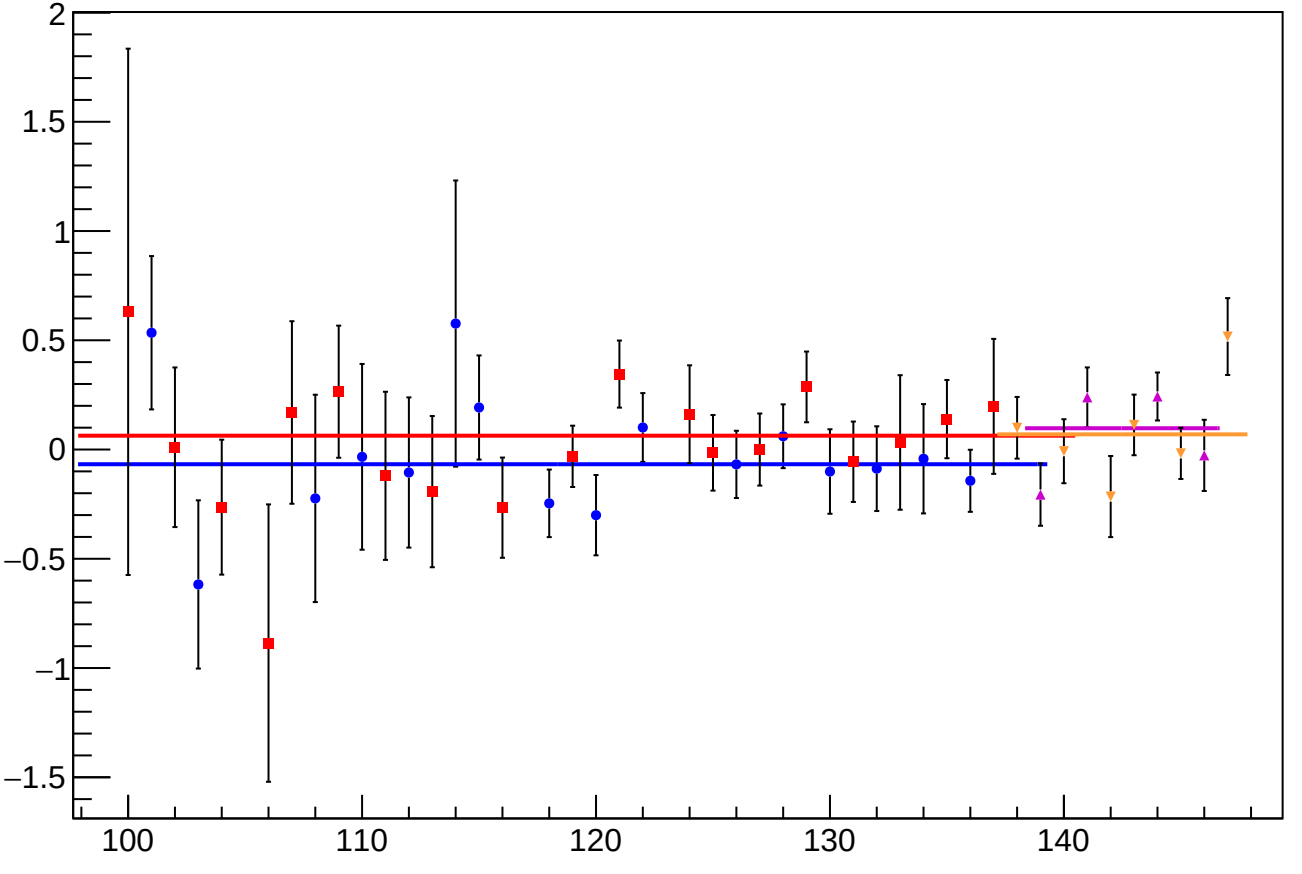
Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

+ sign 126.676+/-0.028 χ^2/NDF: 1967364.8/21

All: 126.531+/-0.020 χ^2/NDF: 3969948.4/44

- sign 126.371+/-0.029 χ^2/NDF: 2002525.6/22

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

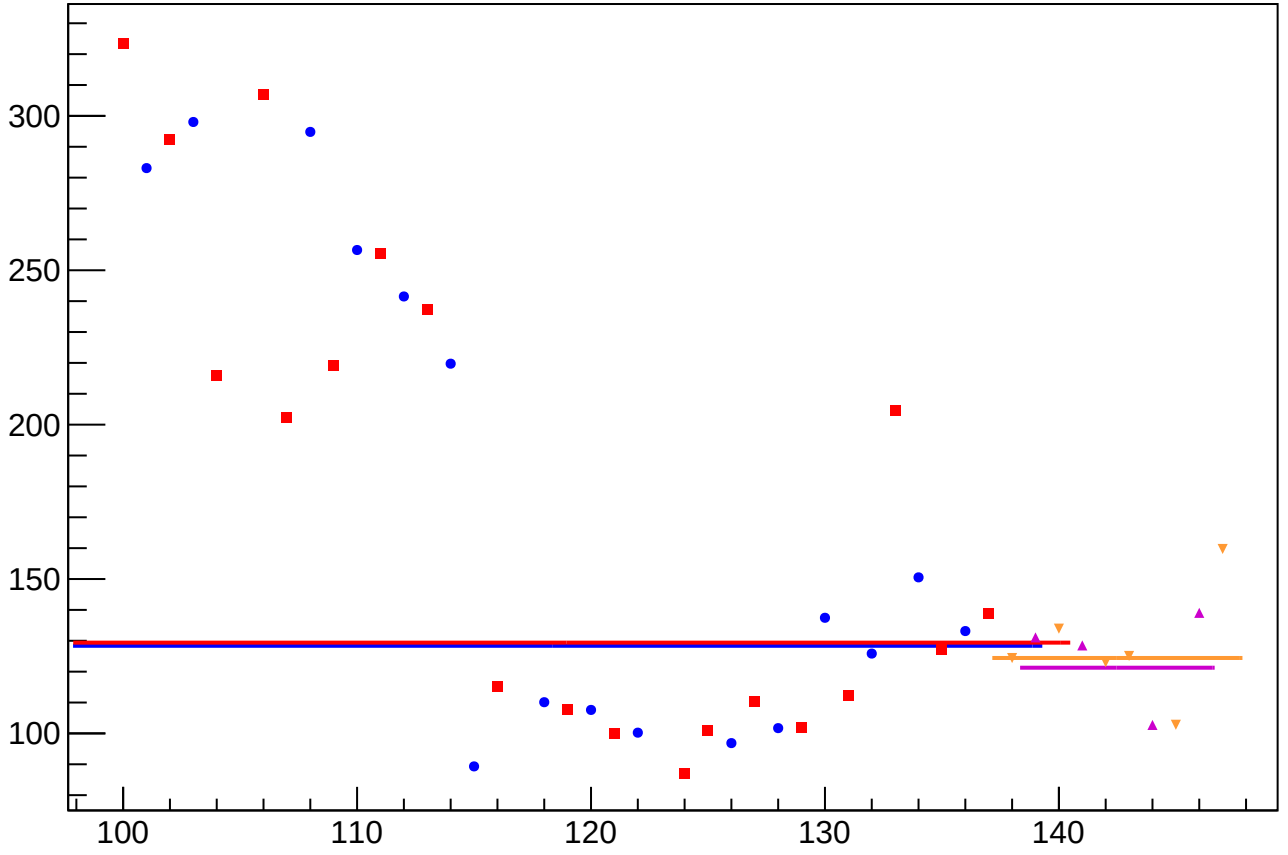
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.032+/-0.028 χ^2/NDF: 49.6/44

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

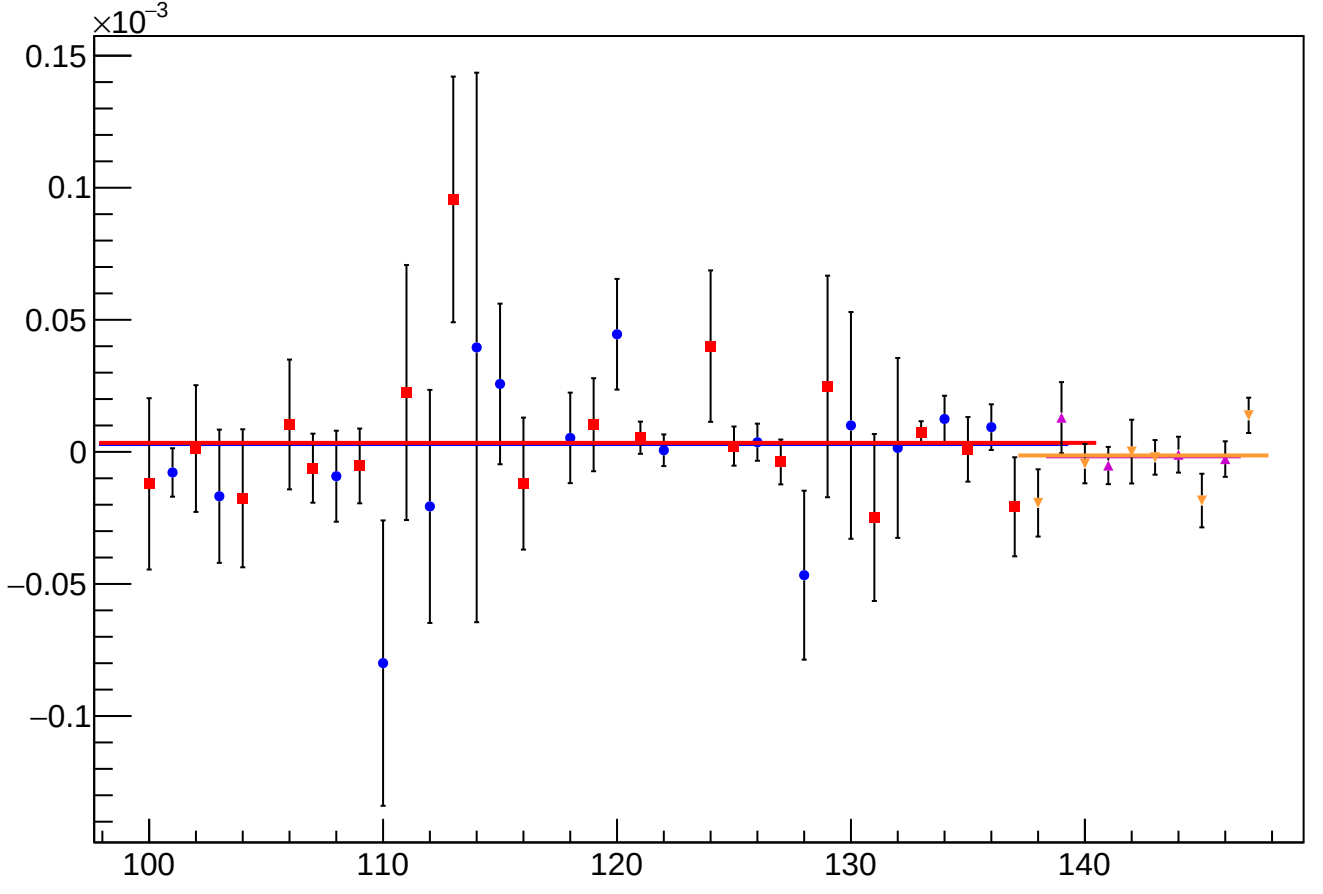
Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

+ sign 126.676+/-0.028 χ^2/NDF: 1967364.8/21

All: 126.531+/-0.020 χ^2/NDF: 3969948.4/44

- sign 126.371+/-0.029 χ^2/NDF: 2002525.6/22

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:10.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

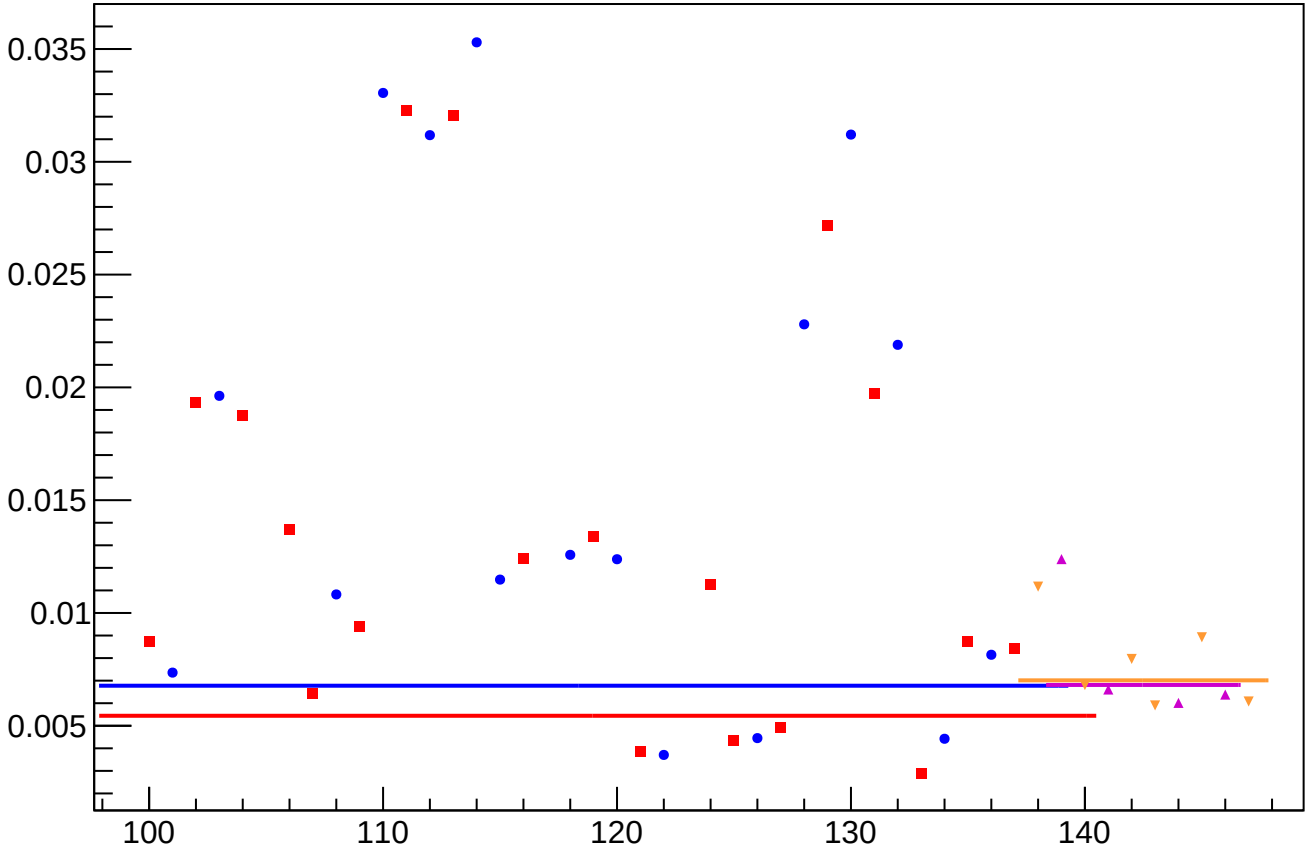
Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/21

All: 0.000+/-0.000 χ^2/NDF: 40.5/44

- sign 0.000+/-0.000 χ^2/NDF: 15.3/22

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:394410.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

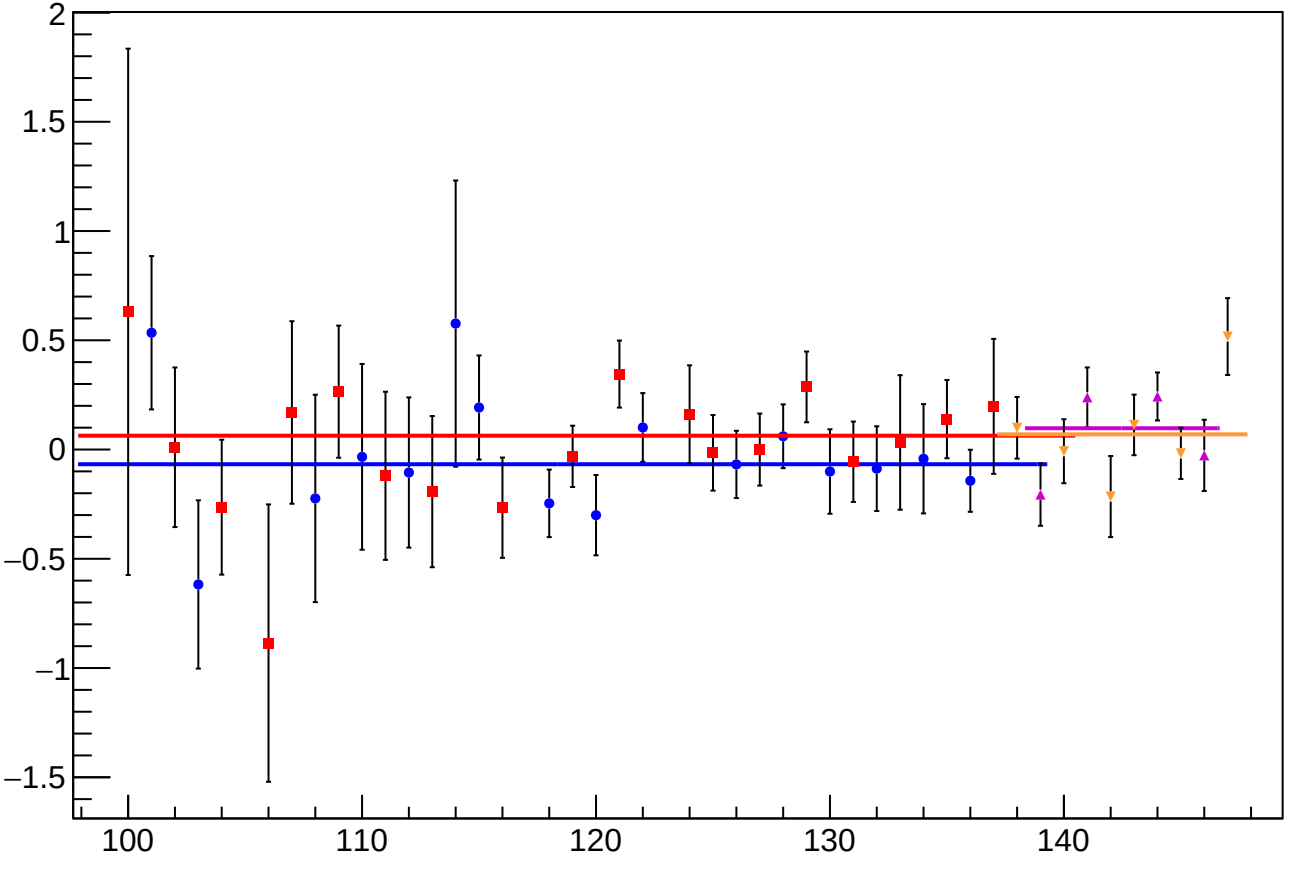
Left In: 0.007+/-0.000 χ^2/NDF:379982.2/3

+ sign 0.007+/-0.000 χ^2/NDF: 5171965.1/21

All: 0.006+/-0.000 χ^2/NDF: 11505491.7/44

- sign 0.006+/-0.000 χ^2/NDF: 6128979.4/22

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

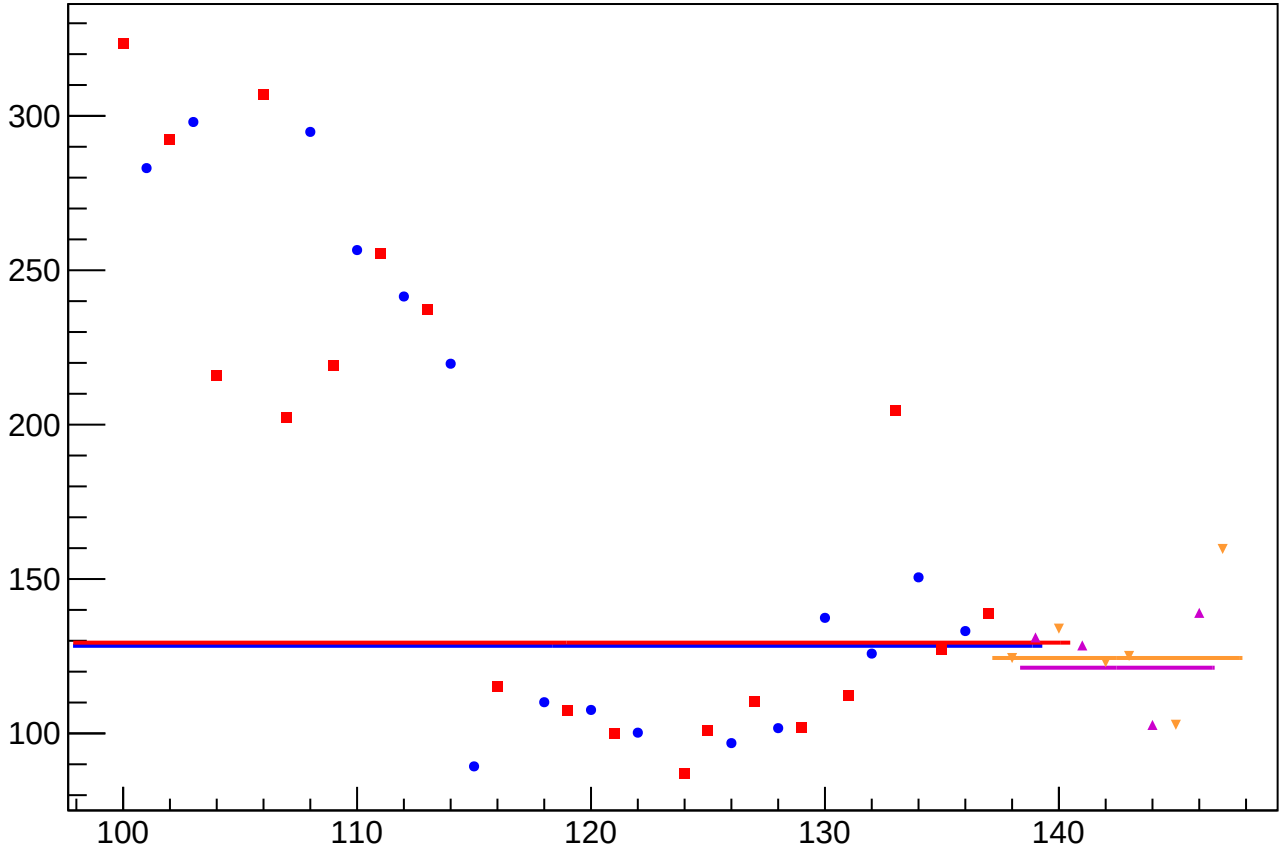
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.032+/-0.028 χ^2/NDF: 49.6/44

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.429+/-0.042 χ^2/NDF:157270.9/5

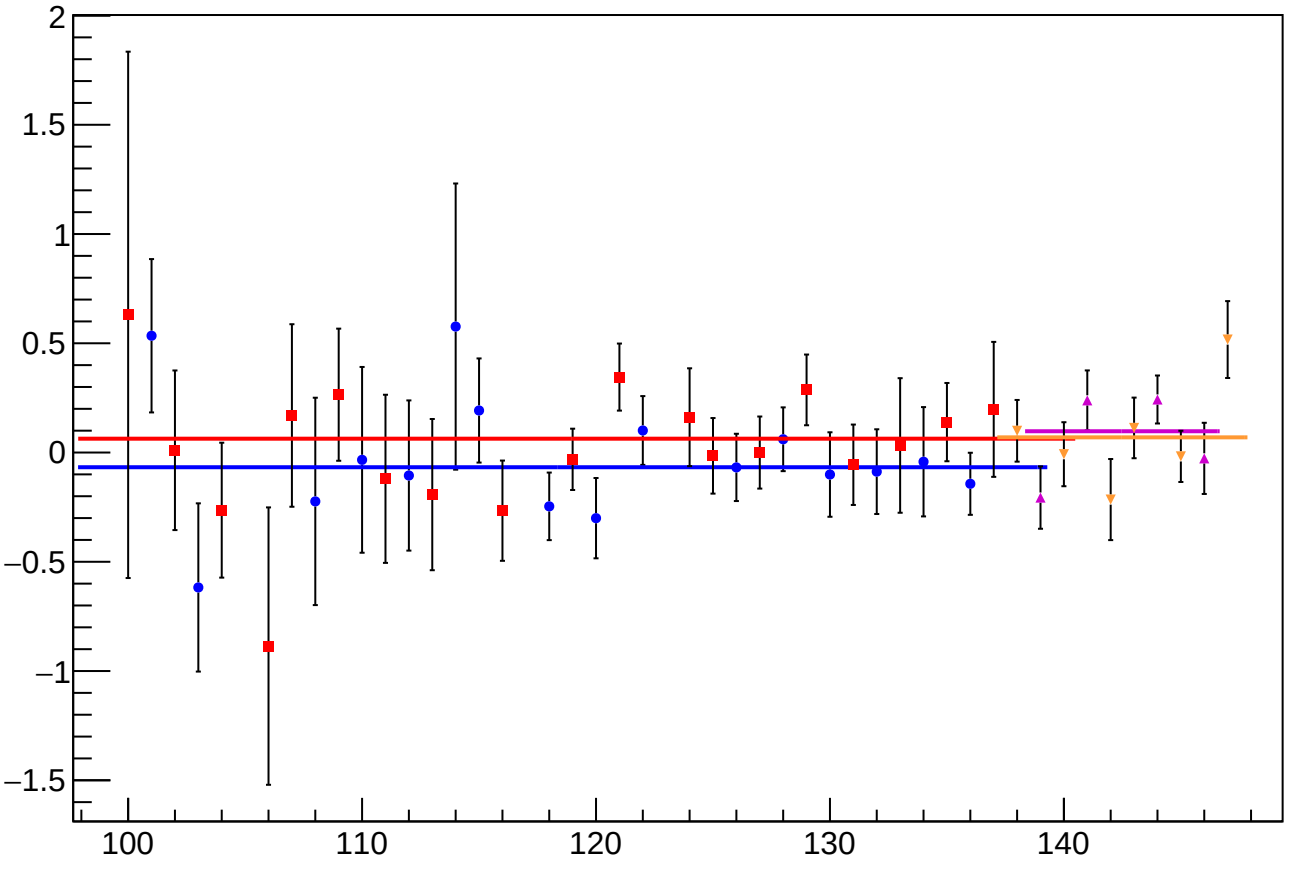
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

+ sign 126.674+/-0.028 χ^2/NDF: 1967314.0/21

All: 126.529+/-0.020 χ^2/NDF: 3969878.6/44

- sign 126.370+/-0.029 χ^2/NDF: 2002506.5/22



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

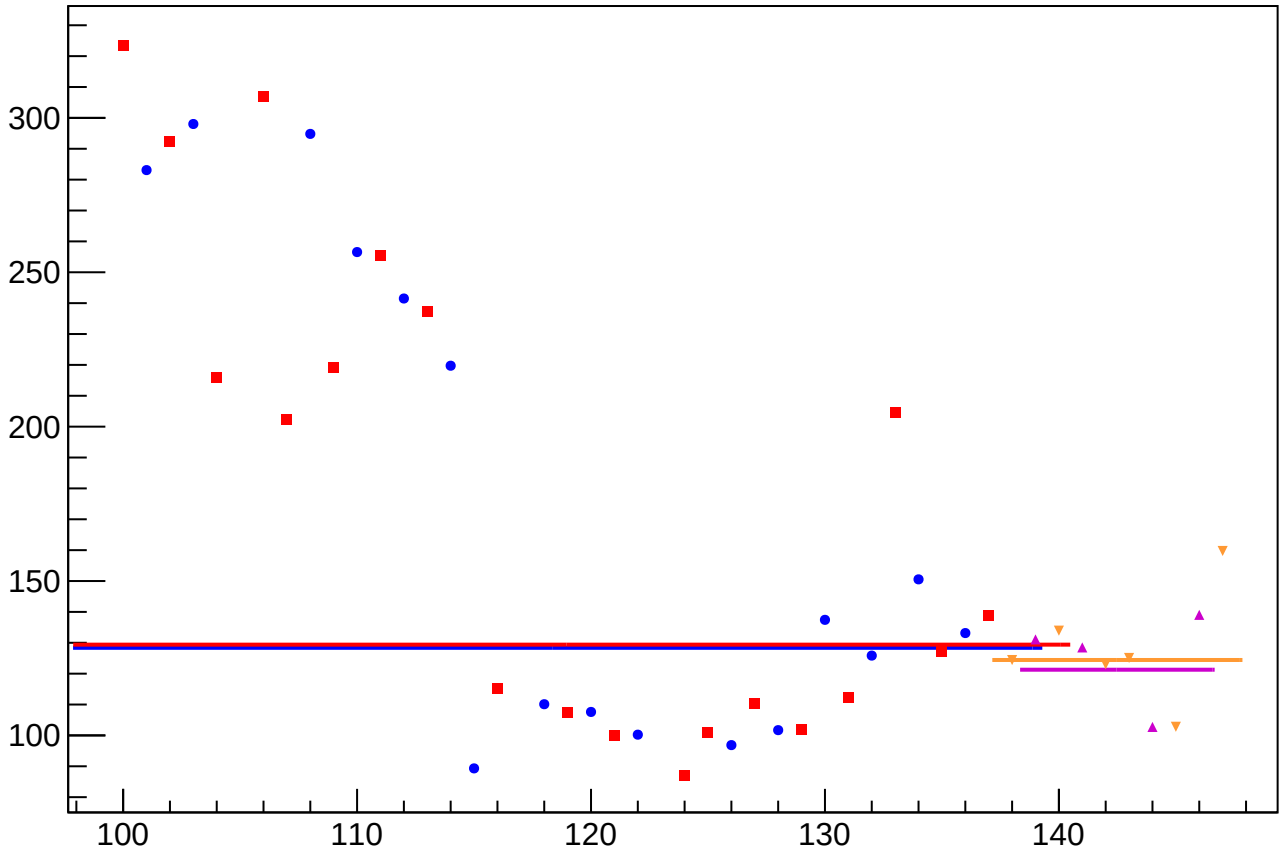
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.032+/-0.028 χ^2/NDF: 49.6/44

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.429+/-0.042 χ^2/NDF:157270.9/5

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

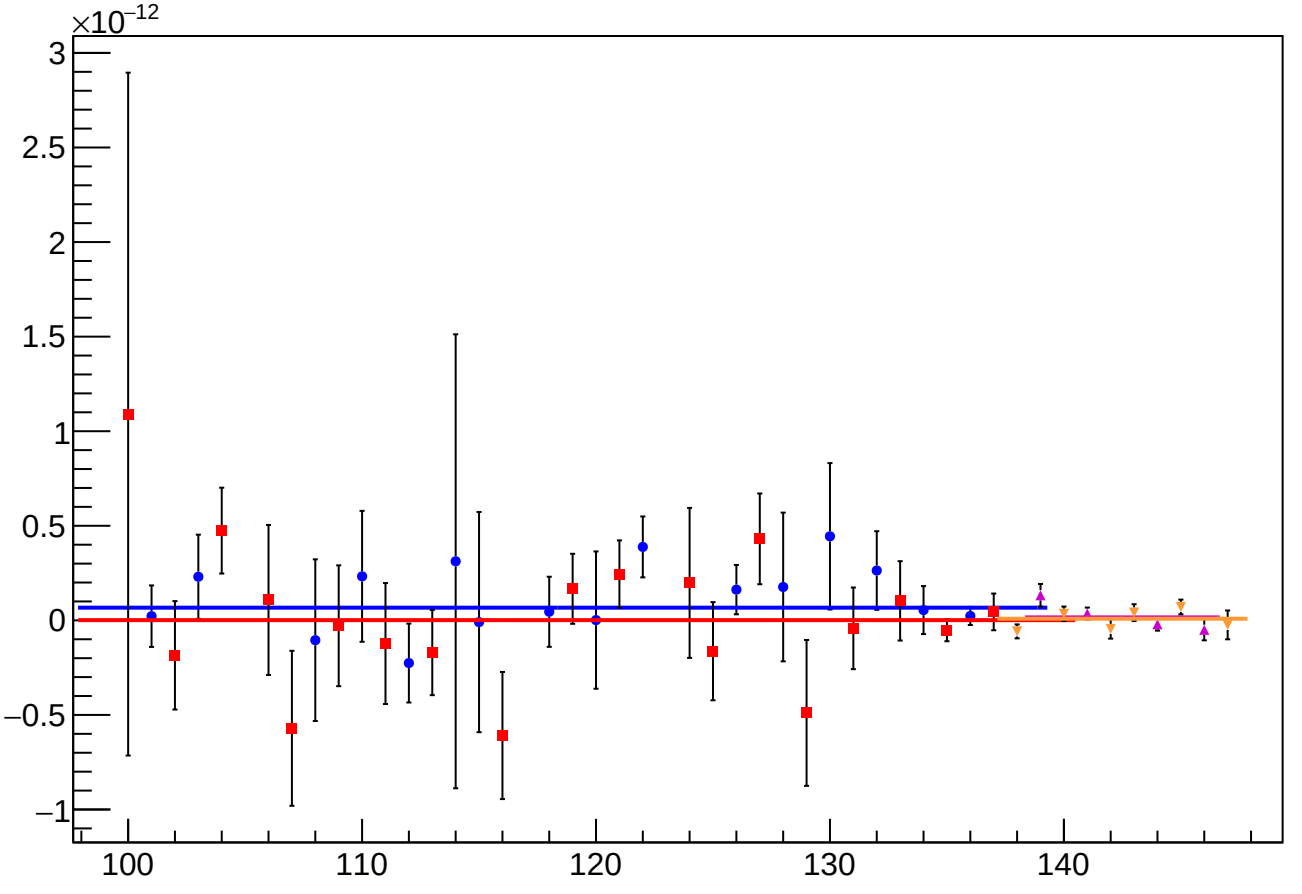
Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

+ sign 126.674+/-0.028 χ^2/NDF: 1967314.0/21

All: 126.529+/-0.020 χ^2/NDF: 3969878.6/44

- sign 126.370+/-0.029 χ^2/NDF: 2002506.5/22

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

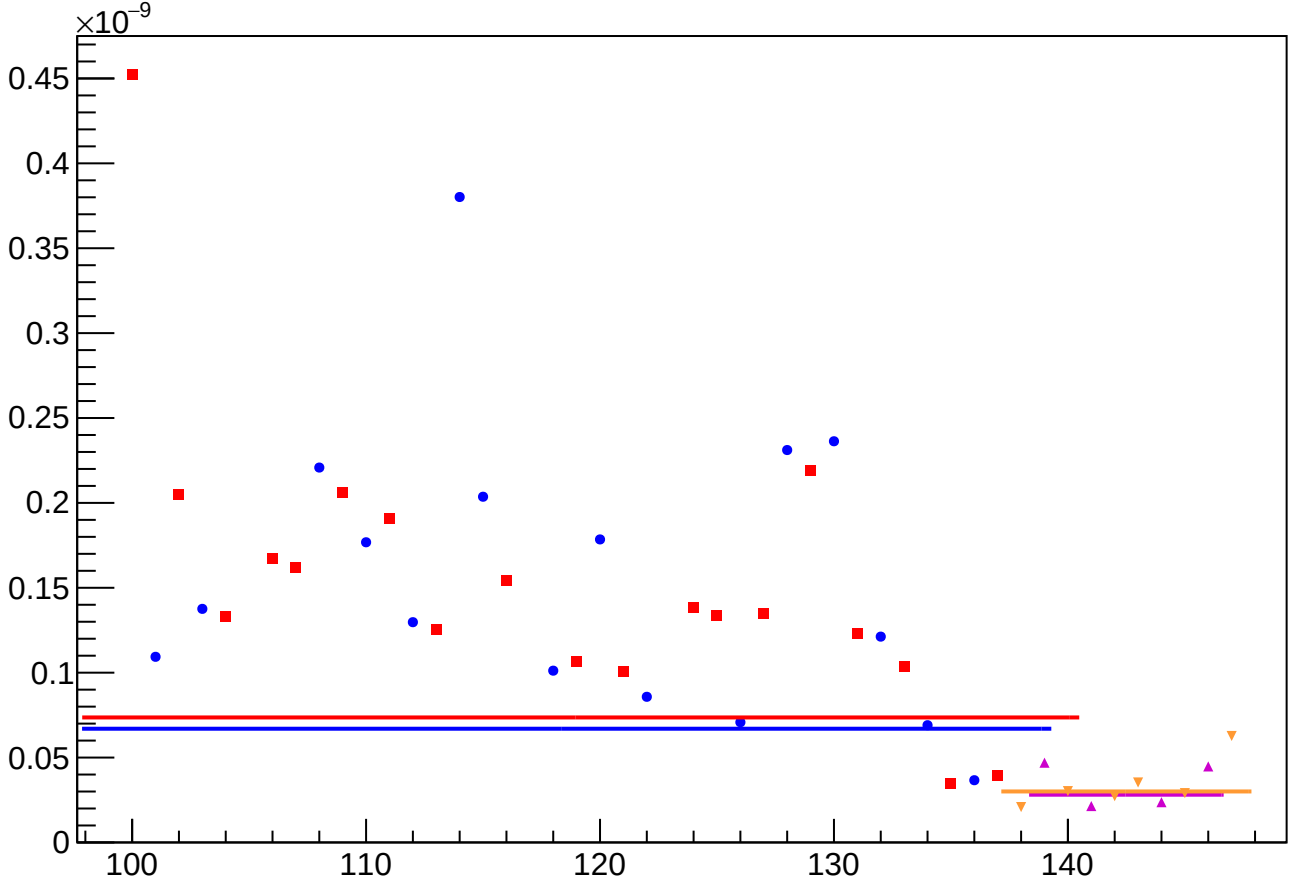
Left In: 0.000+/-0.000 χ^2/NDF:6.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.6/21

All: 0.000+/-0.000 χ^2/NDF: 48.2/44

- sign 0.000+/-0.000 χ^2/NDF: 27.5/22

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:528277.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

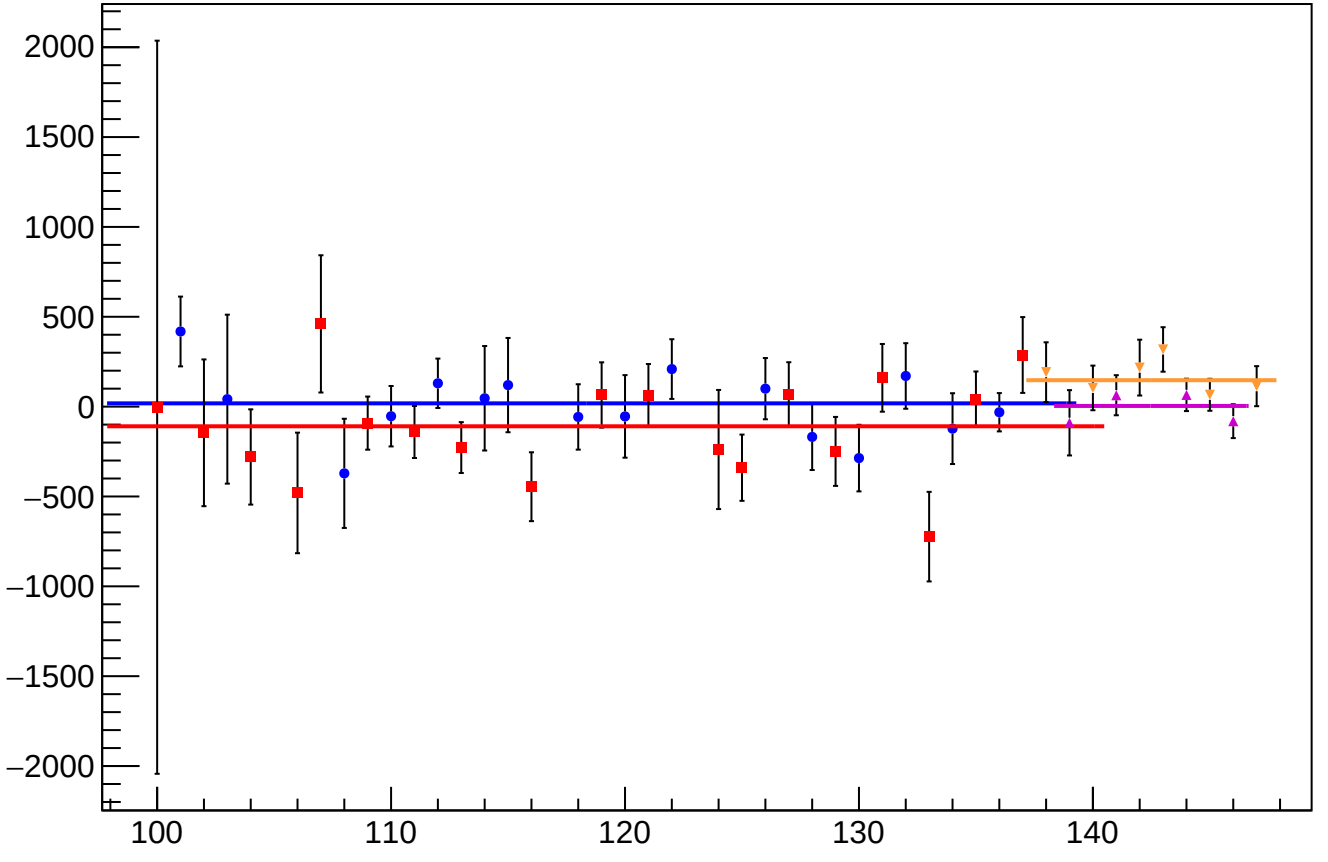
Left In: 0.000+/-0.000 χ^2/NDF:499713.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 5392293.2/21

All: 0.000+/-0.000 χ^2/NDF: 11664874.4/44

- sign 0.000+/-0.000 χ^2/NDF: 6272401.3/22

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.006+/-49.116 χ^2/NDF:3.2/5

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

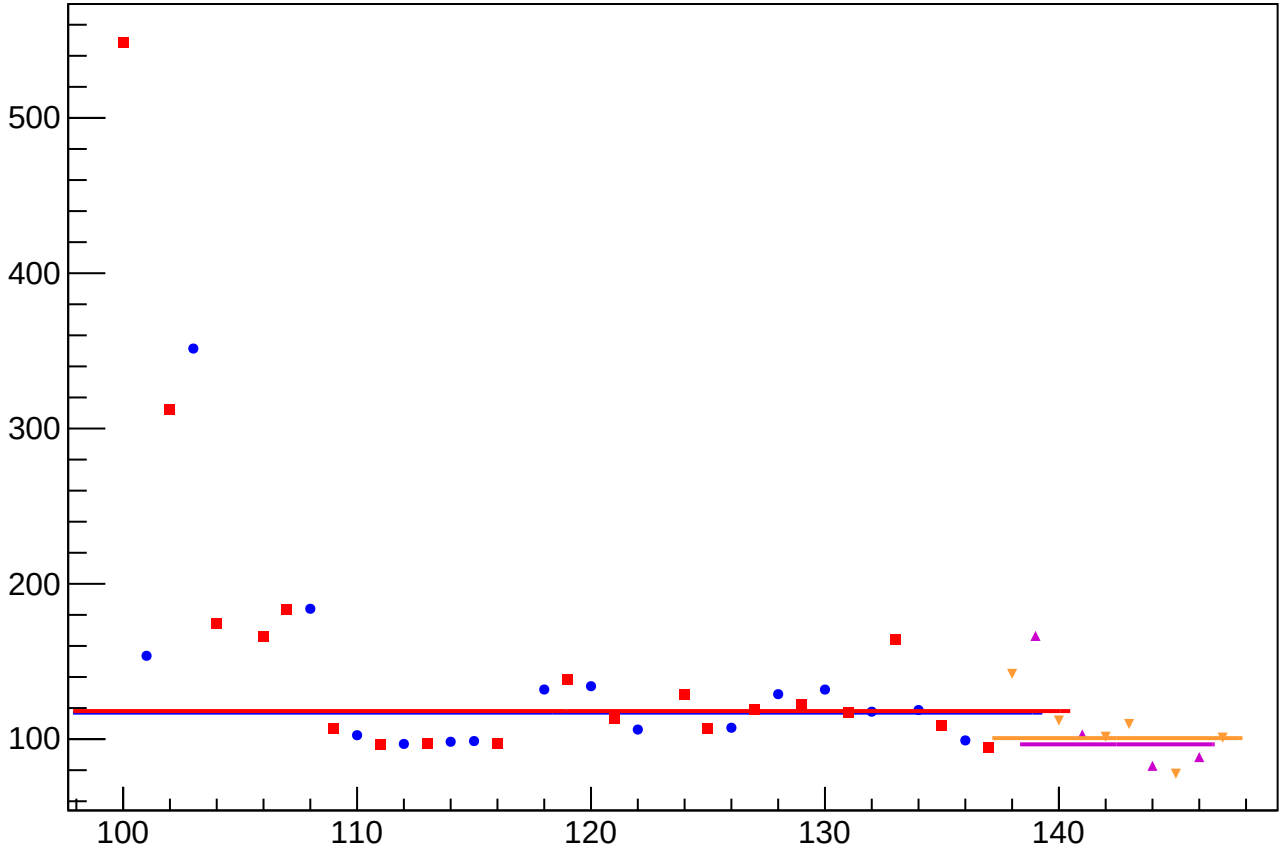
Left In: 3.795+/-53.714 χ^2/NDF:1.8/3

+ sign 77.977+/-33.459 χ^2/NDF: 20.8/21

All: 10.988+/-24.140 χ^2/NDF: 59.0/44

- sign -61.737+/-34.862 χ^2/NDF: 29.9/22

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

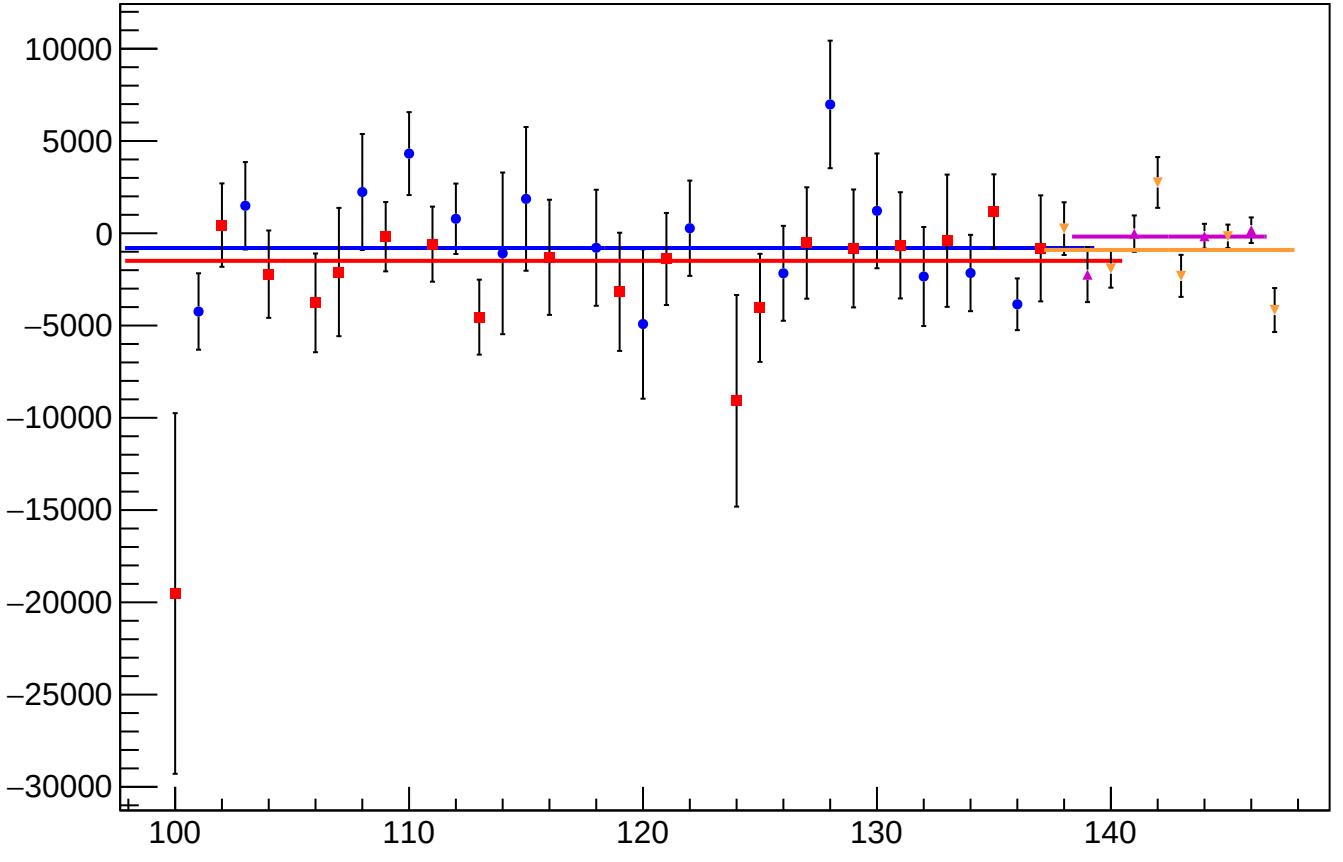
Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 109.442+/-0.024 χ^2/NDF: 1262414.7/21

All: 109.247+/-0.017 χ^2/NDF: 2801339.6/44

- sign 109.035+/-0.025 χ^2/NDF: 1538783.4/22

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -903.331+/-411.357 χ^2/NDF:19.0/5

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

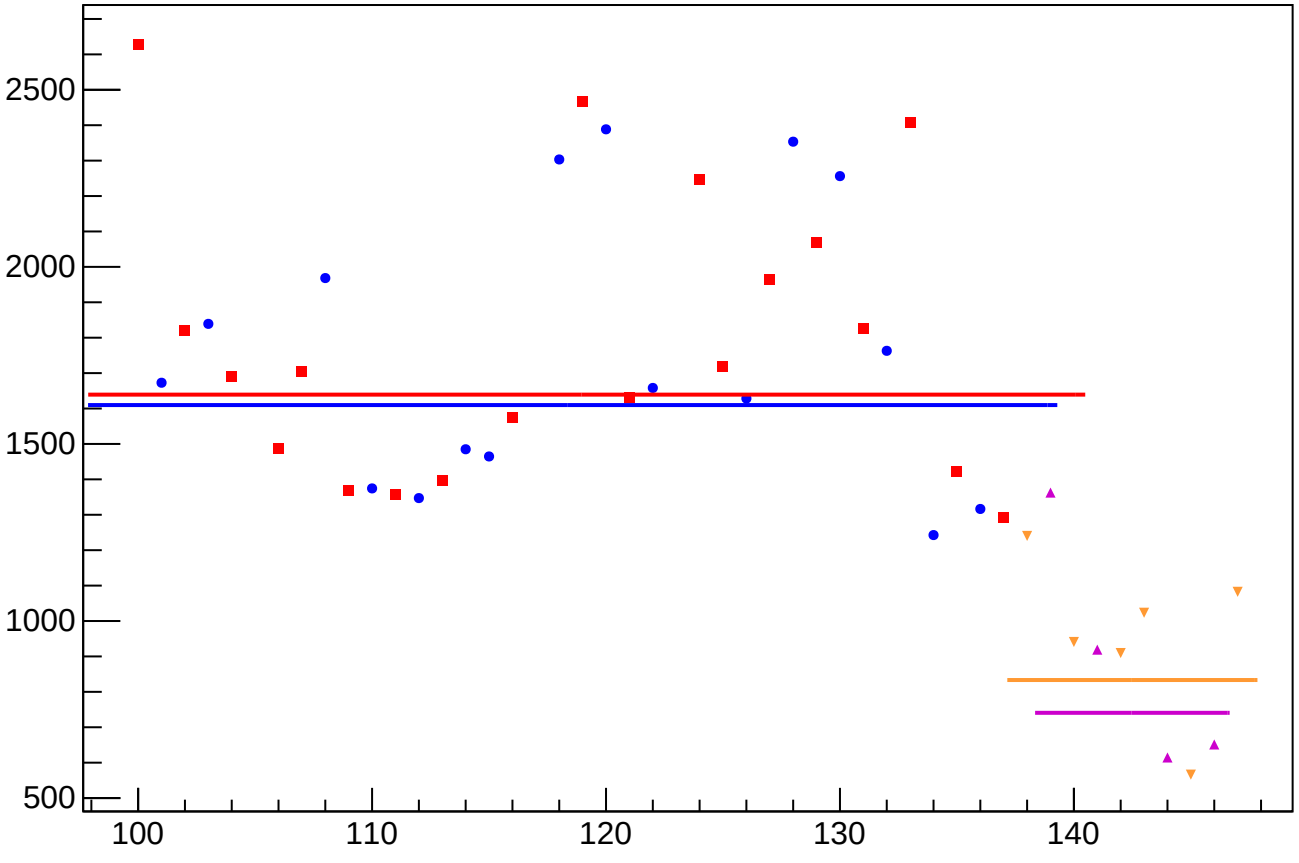
Left In: -180.073+/-415.778 χ^2/NDF:2.2/3

\+ sign -871.196+/-342.094 χ^2/NDF: 42.5/21

All: -733.391+/-242.607 χ^2/NDF: 61.1/44

\- sign -593.957+/-344.112 χ^2/NDF: 18.3/22

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.8/5

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

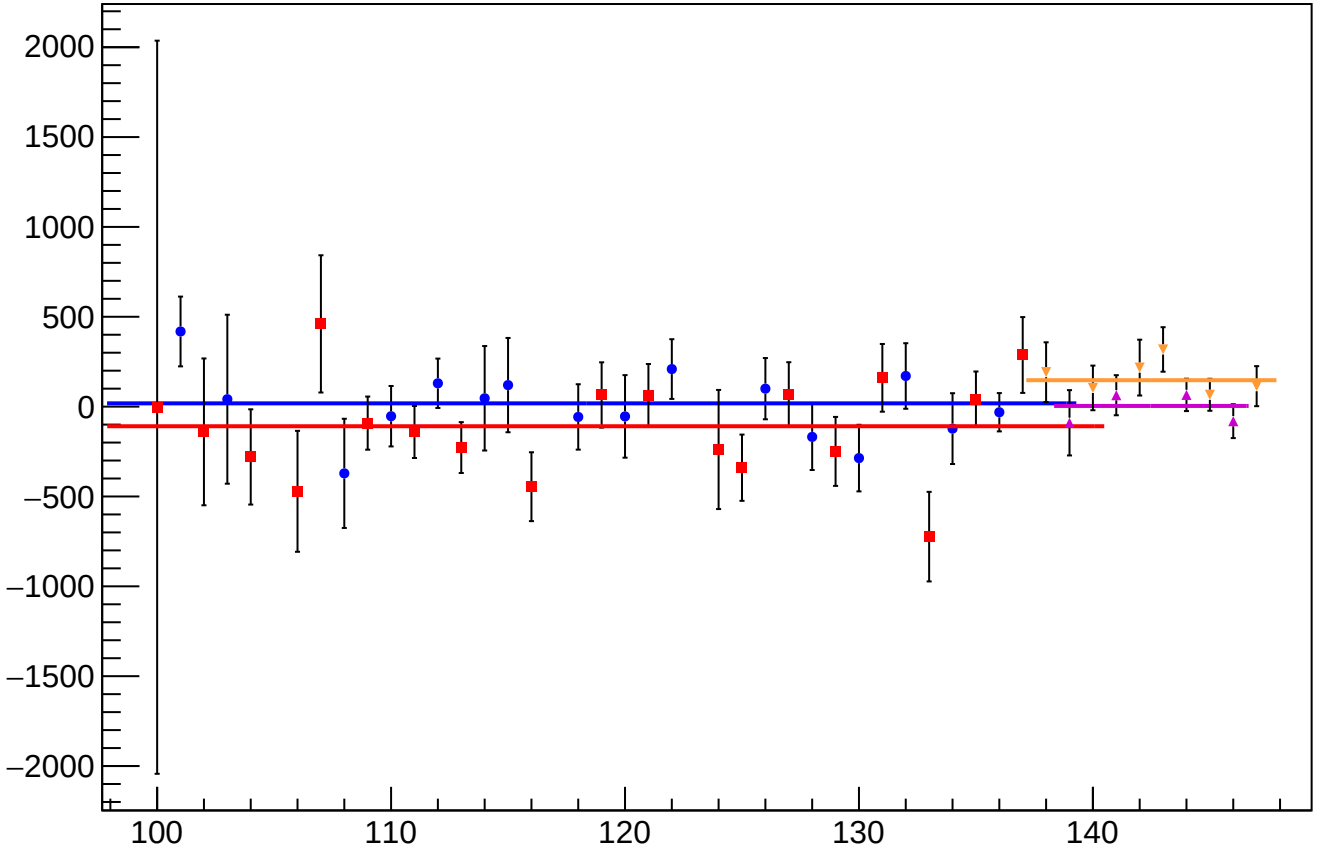
Left In: 740.777+/-0.294 χ^2/NDF:519372.4/3

+ sign 1072.817+/-0.242 χ^2/NDF: 3503371.1/21

All: 1048.459+/-0.172 χ^2/NDF: 7505370.3/44

- sign 1023.813+/-0.243 χ^2/NDF: 3981600.0/22

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

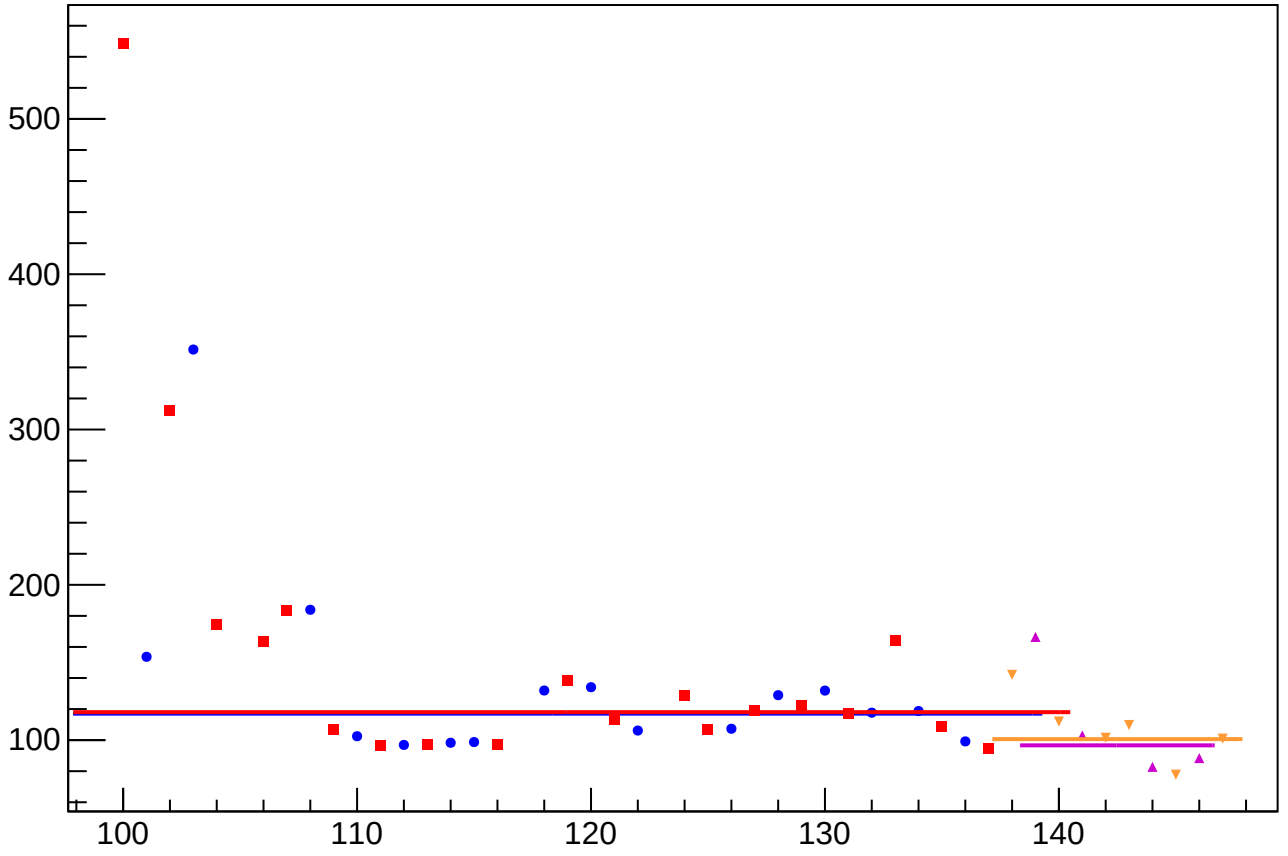
Left In: 3.793+/-53.714 χ^2/NDF:1.8/3

\+ sign 77.975+/-33.459 χ^2/NDF: 20.8/21

All: 11.069+/-24.140 χ^2/NDF: 58.9/44

\- sign -61.571+/-34.863 χ^2/NDF: 29.8/22

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

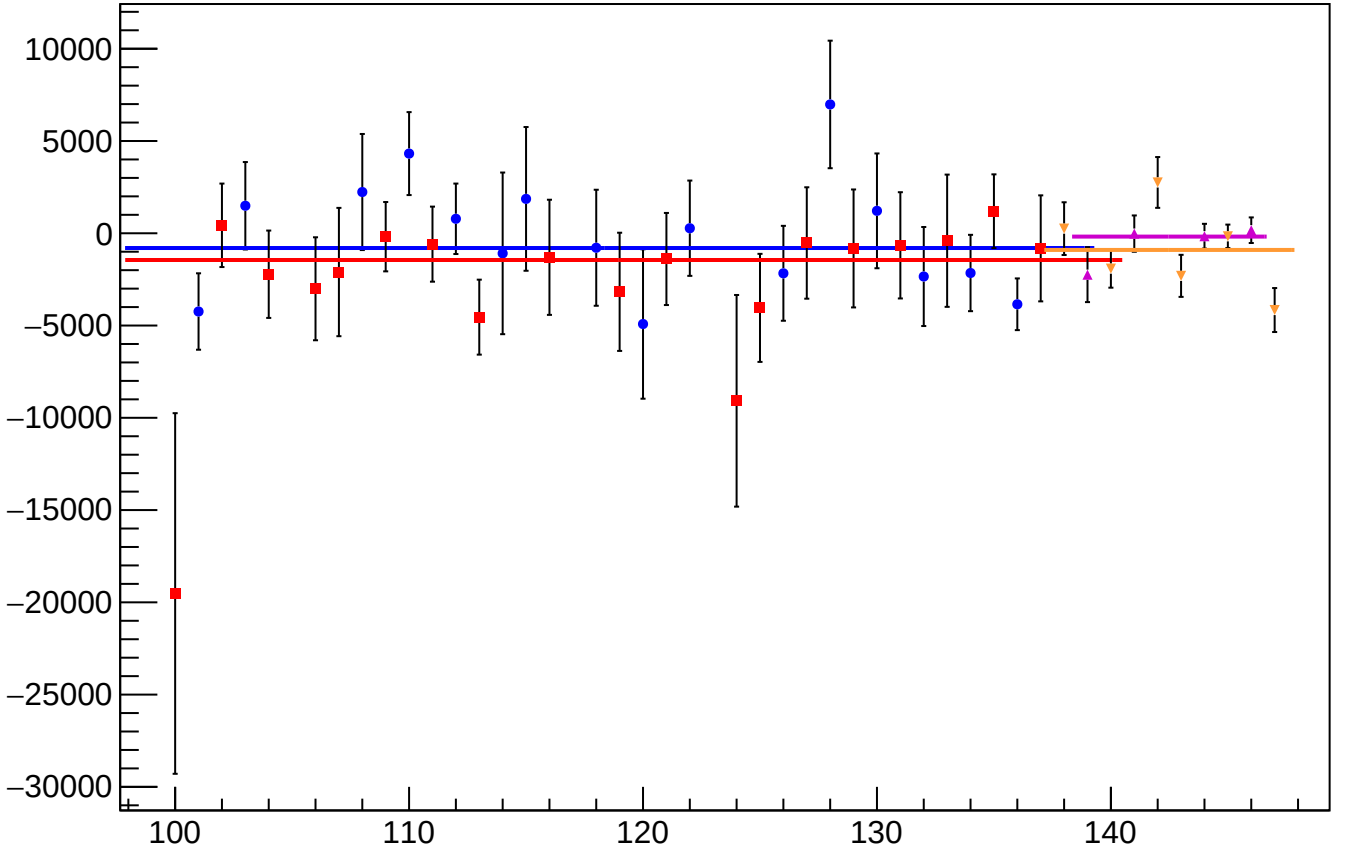
Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 109.442+/-0.024 χ^2/NDF: 1262416.6/21

All: 109.232+/-0.017 χ^2/NDF: 2796270.4/44

- sign 109.004+/-0.025 χ^2/NDF: 1533690.1/22

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

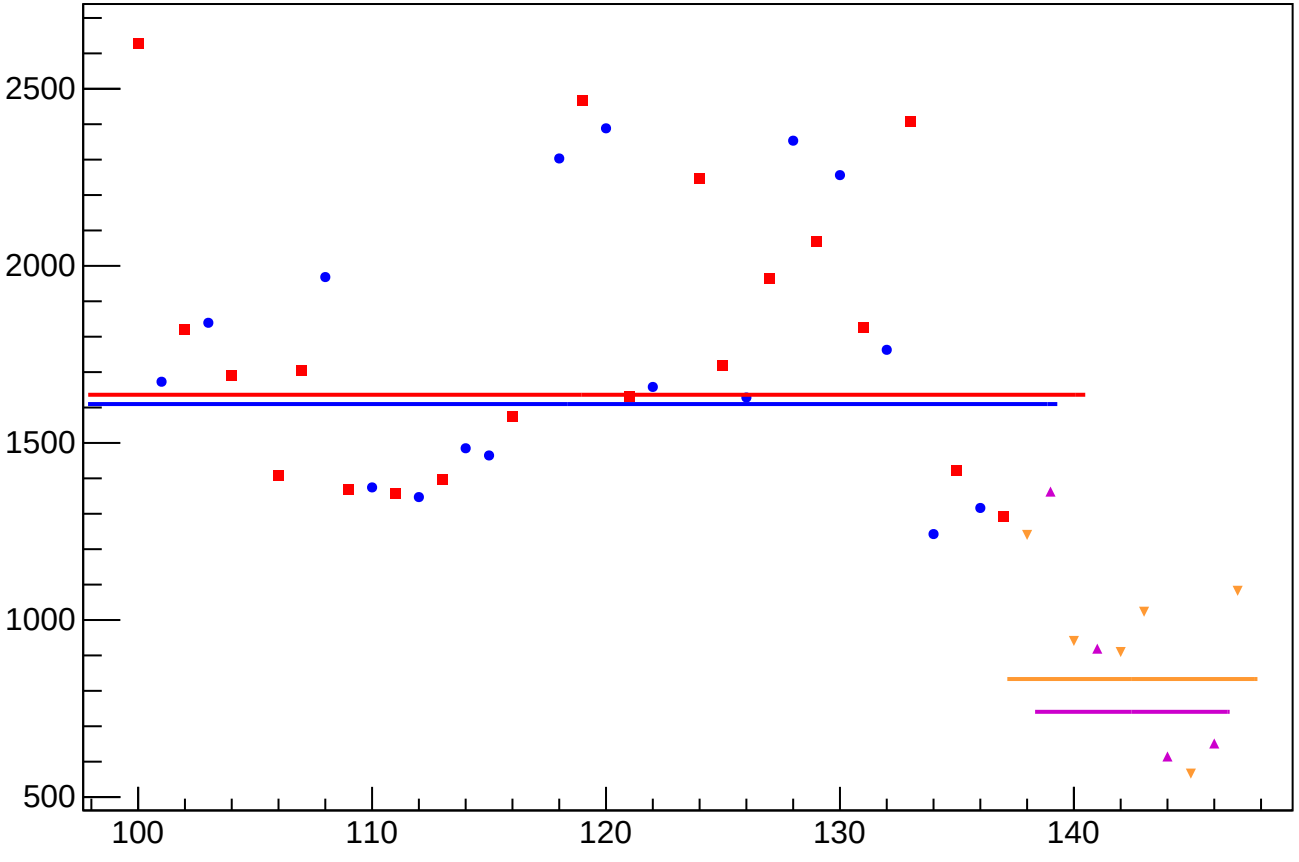
Left In: -180.082+/-415.778 χ^2/NDF:2.2/3

+ sign -871.183+/-342.095 χ^2/NDF: 42.5/21

All: -725.773+/-242.691 χ^2/NDF: 60.4/44

- sign -578.441+/-344.349 χ^2/NDF: 17.6/22

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

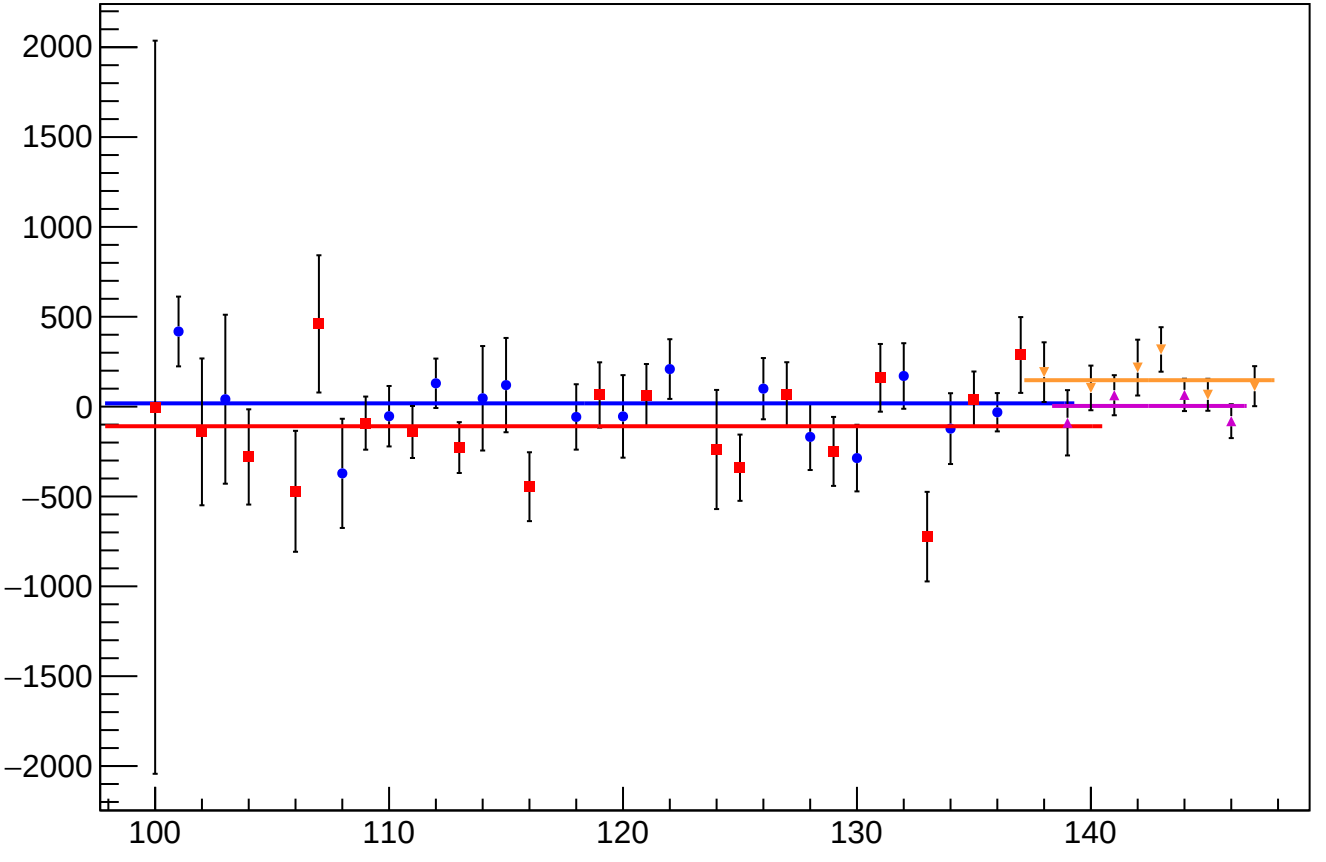
Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

+ sign 1072.817+/-0.242 χ^2/NDF: 3503433.4/21

All: 1047.555+/-0.172 χ^2/NDF: 7484964.9/44

- sign 1021.960+/-0.243 χ^2/NDF: 3959575.3/22

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

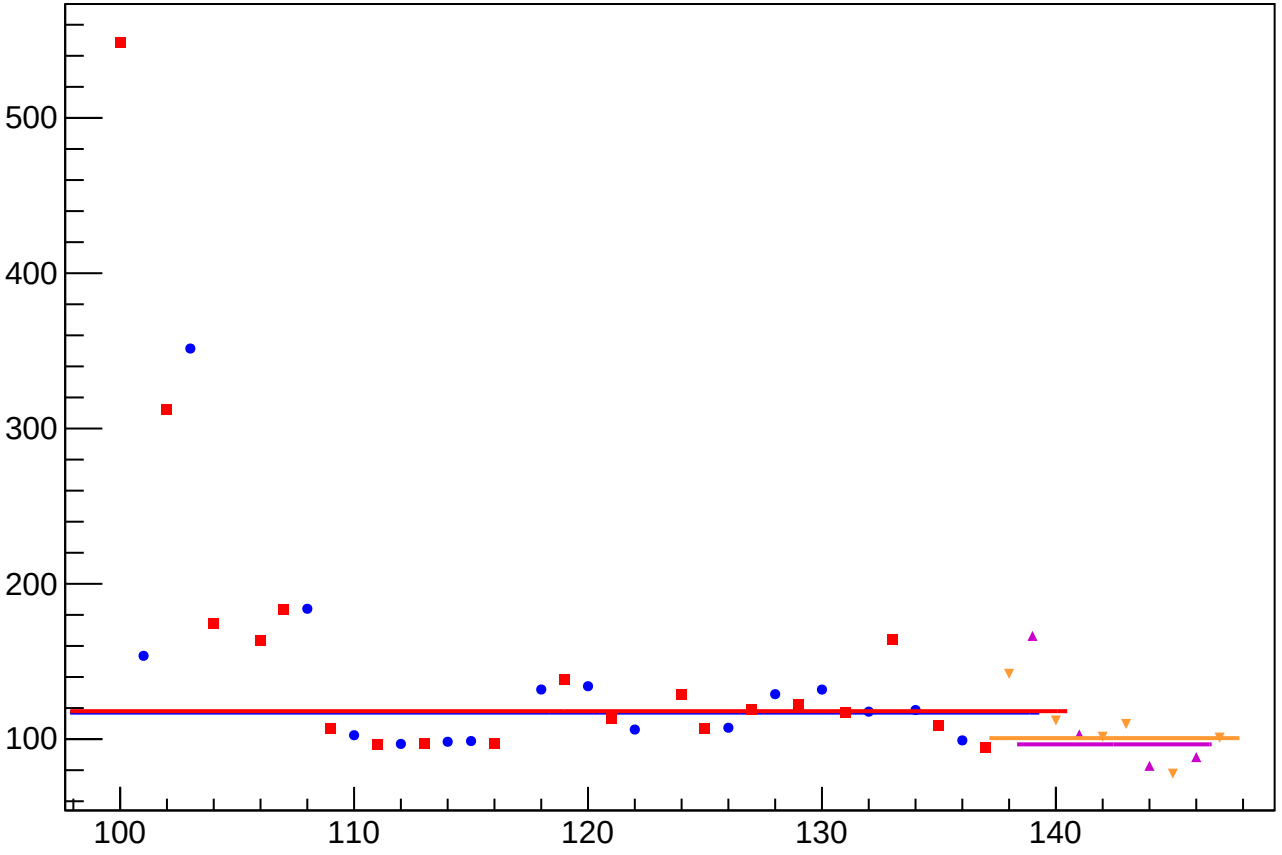
Left In: 3.793+/-53.714 χ^2/NDF:1.8/3

+ sign 77.975+/-33.459 χ^2/NDF: 20.8/21

All: 11.069+/-24.140 χ^2/NDF: 58.9/44

- sign -61.571+/-34.863 χ^2/NDF: 29.8/22

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

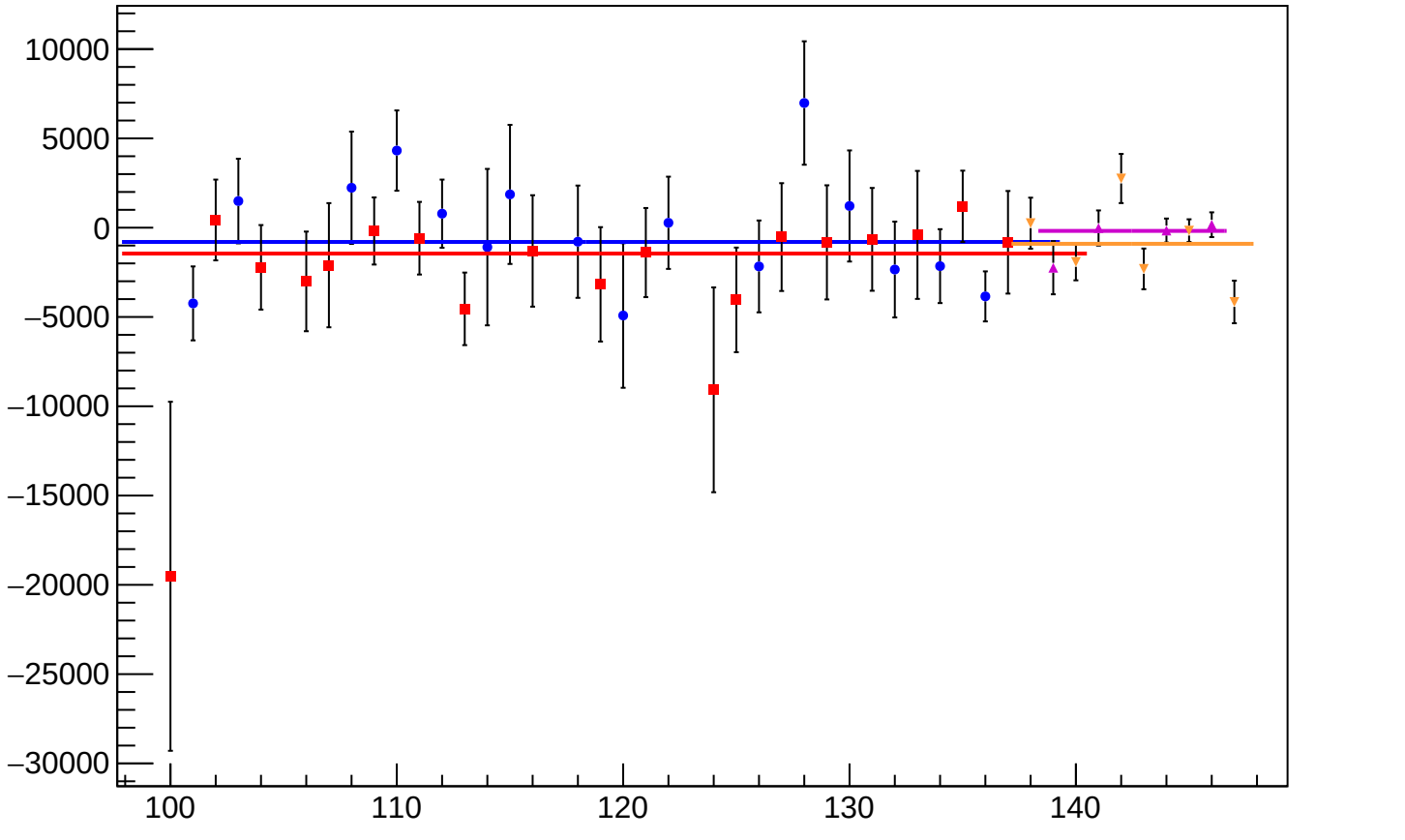
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 109.442+/-0.024 χ^2/NDF: 1262416.6/21

All: 109.232+/-0.017 χ^2/NDF: 2796270.4/44

- sign 109.004+/-0.025 χ^2/NDF: 1533690.1/22



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

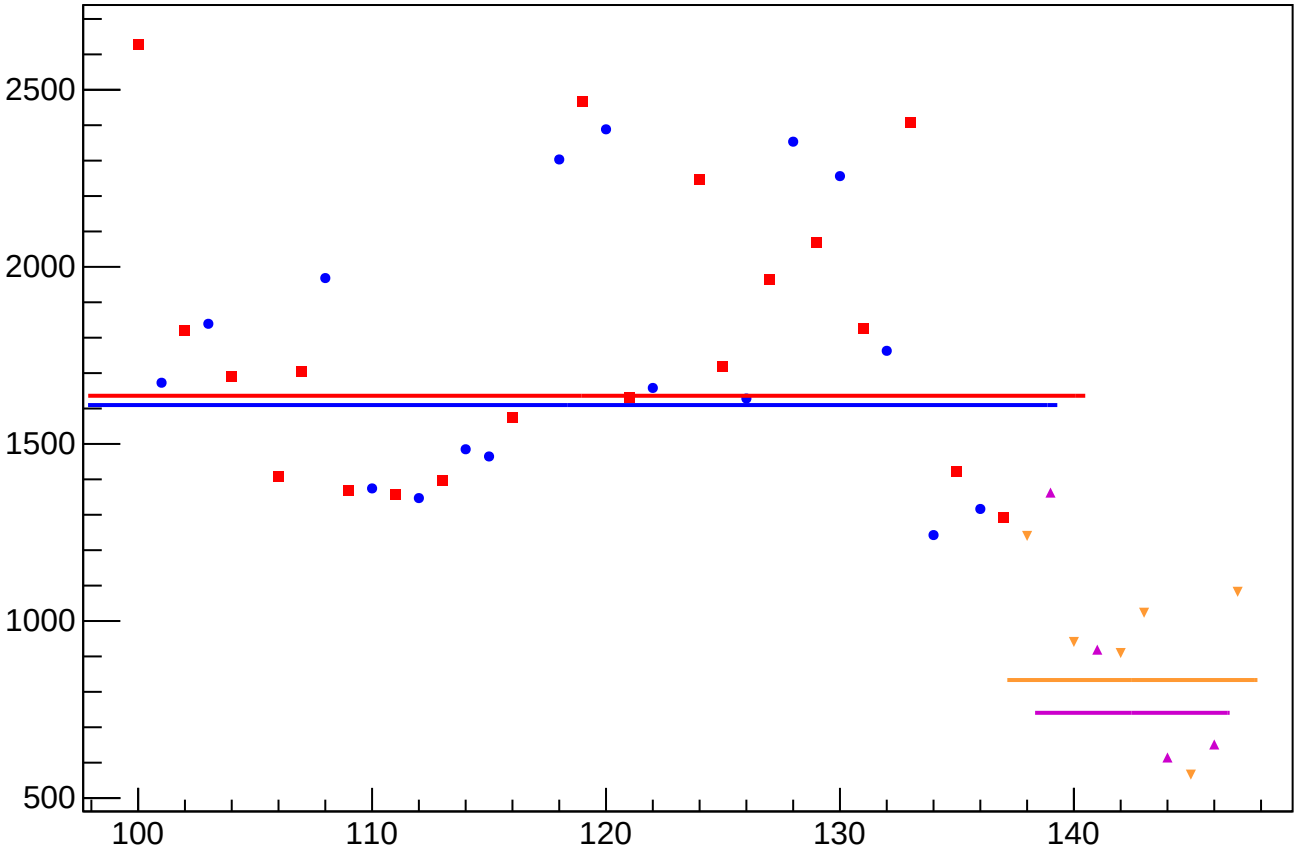
Left In: -180.082+/-415.778 χ^2/NDF:2.2/3

+ sign -871.183+/-342.095 χ^2/NDF: 42.5/21

All: -725.773+/-242.691 χ^2/NDF: 60.4/44

- sign -578.441+/-344.349 χ^2/NDF: 17.6/22

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

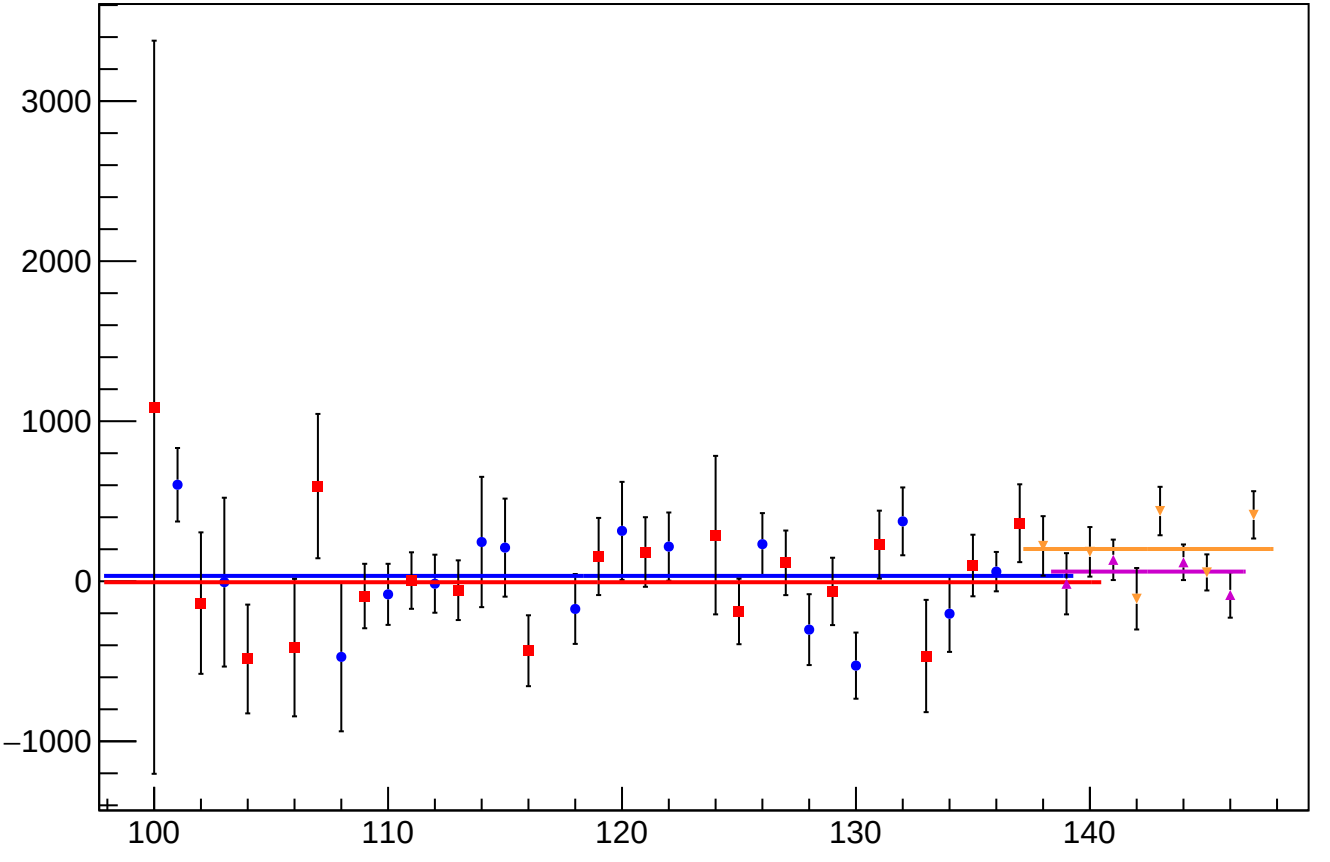
Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

+ sign 1072.817+/-0.242 χ^2/NDF: 3503433.4/21

All: 1047.555+/-0.172 χ^2/NDF: 7484964.9/44

- sign 1021.960+/-0.243 χ^2/NDF: 3959575.3/22

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.524+/-61.341 χ^2/NDF:8.9/5

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

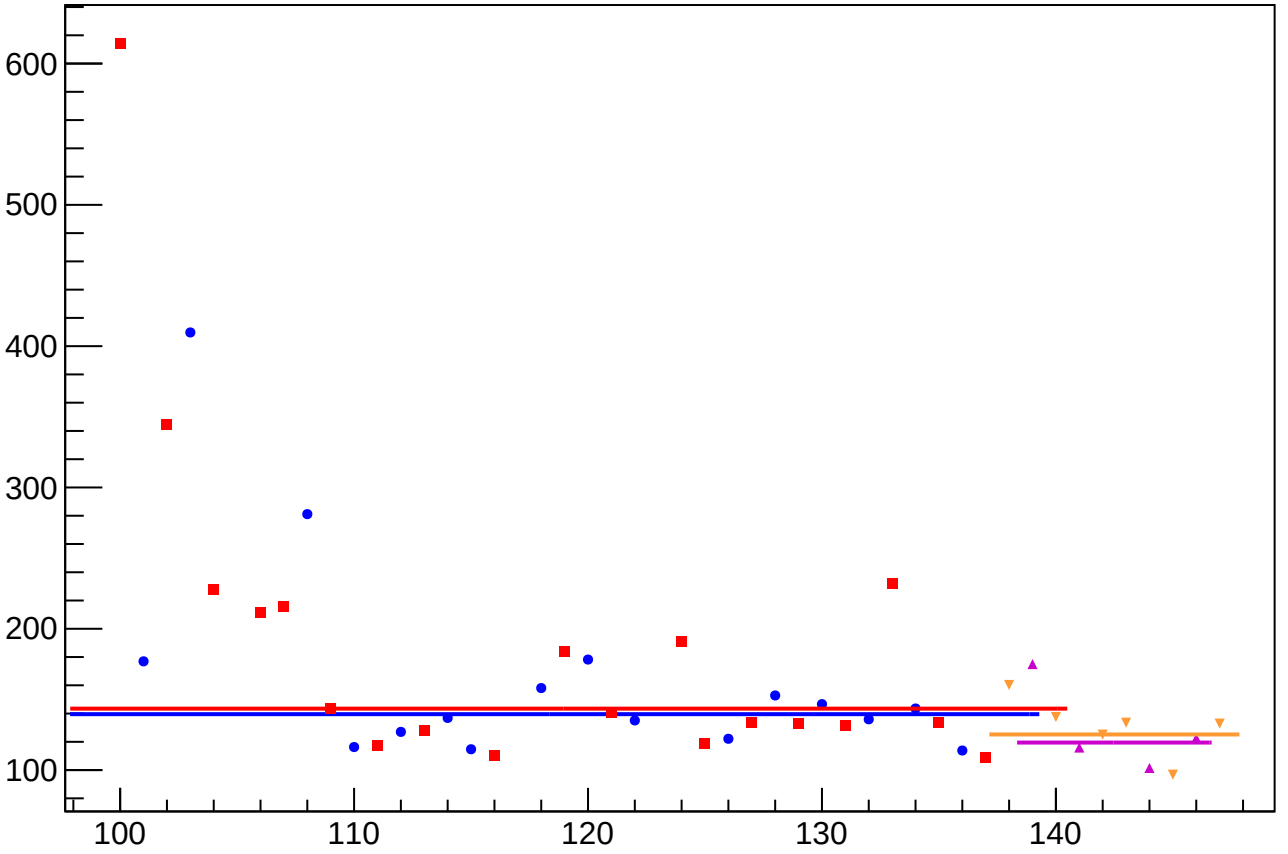
Left In: 60.306+/-67.368 χ^2/NDF:1.8/3

+ sign 108.225+/-40.912 χ^2/NDF: 38.2/21

All: 66.927+/-29.674 χ^2/NDF: 60.1/44

- sign 21.083+/-43.105 χ^2/NDF: 19.7/22

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.204+/-0.043 χ^2/NDF:222481.8/5

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

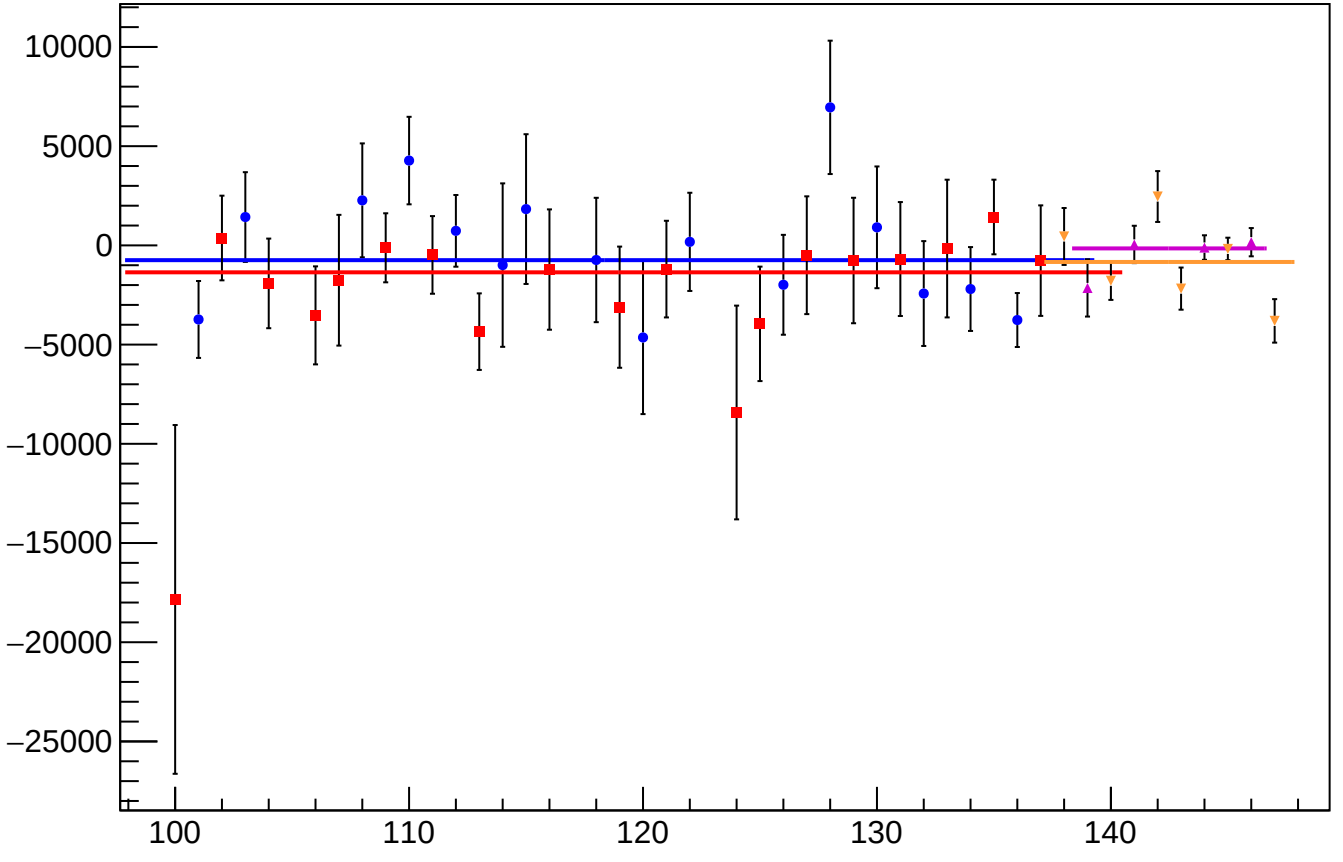
Left In: 119.477+/-0.048 χ^2/NDF:223359.9/3

+ sign 133.178+/-0.029 χ^2/NDF: 1260085.0/21

All: 133.403+/-0.021 χ^2/NDF: 2750187.6/44

- sign 133.652+/-0.030 χ^2/NDF: 1489975.0/22

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -835.312+/-377.750 χ^2/NDF:18.7/5

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

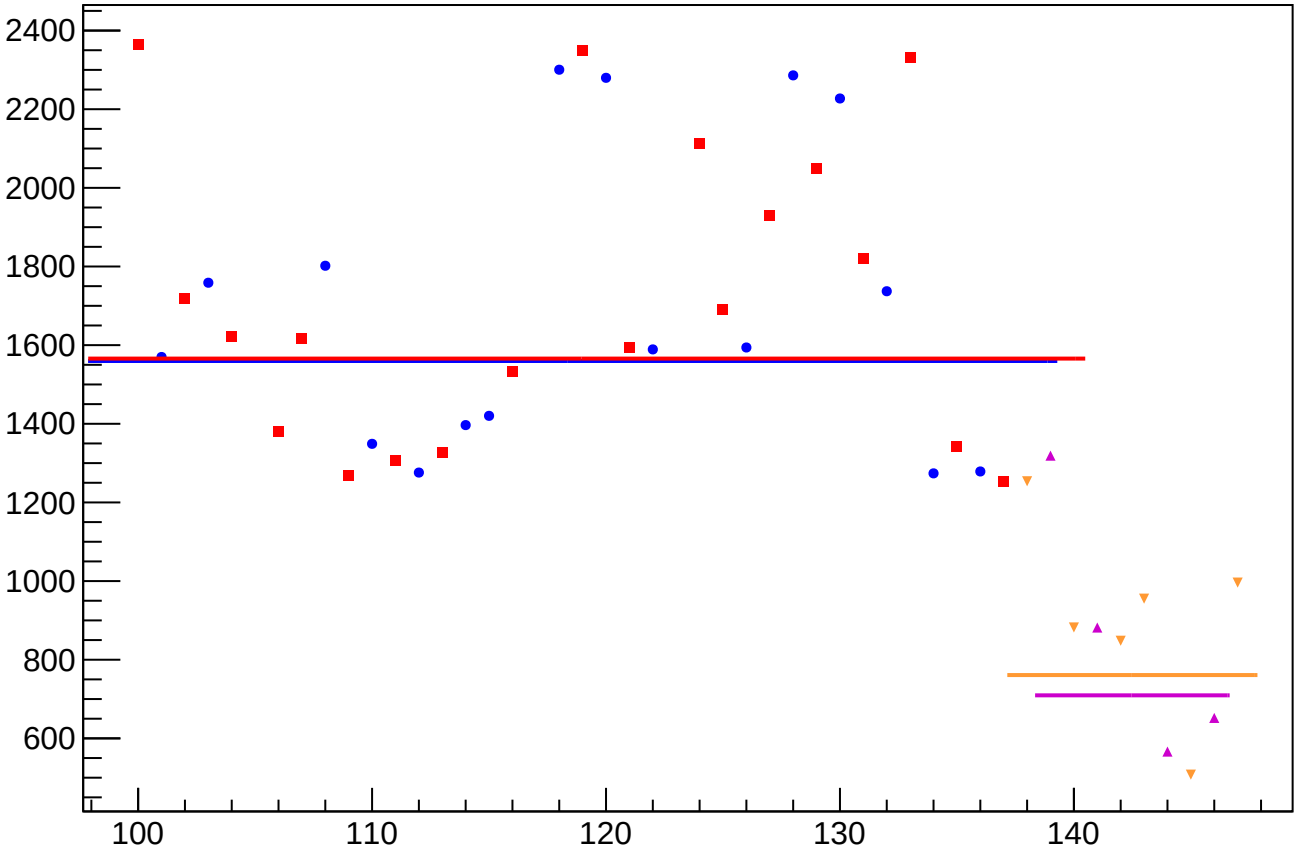
Left In: -152.590+/-401.636 χ^2/NDF:2.2/3

+ sign -809.326+/-319.033 χ^2/NDF: 42.2/21

All: -678.756+/-229.790 χ^2/NDF: 61.1/44

- sign -537.987+/-331.257 χ^2/NDF: 18.6/22

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 761.003+/-0.267 χ^2/NDF:835874.2/5

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

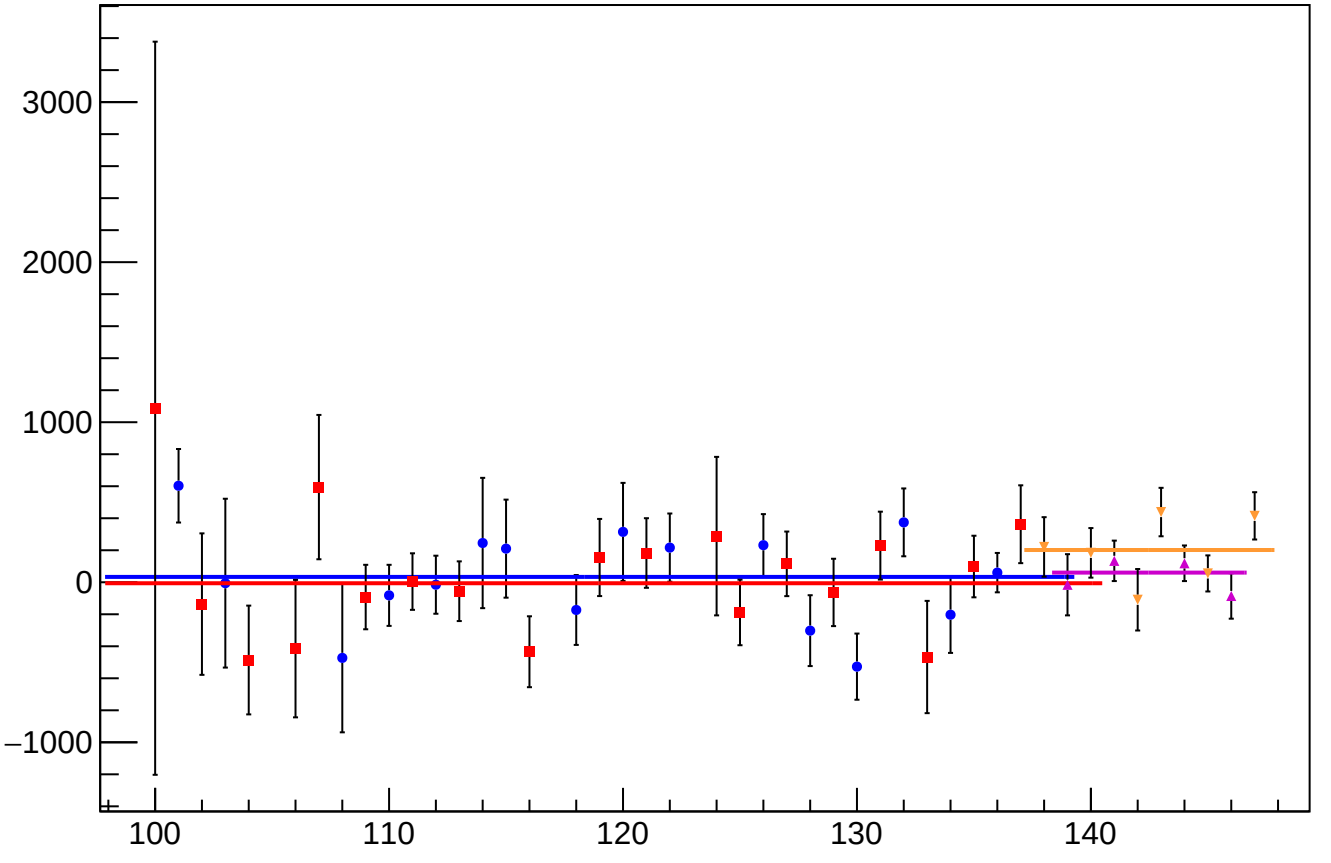
Left In: 709.442+/-0.284 χ^2/NDF:544656.6/3

+ sign 990.014+/-0.226 χ^2/NDF: 4003850.7/21

All: 986.769+/-0.162 χ^2/NDF: 8020168.6/44

- sign 983.271+/-0.234 χ^2/NDF: 4015888.0/22

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.523+/-61.342 χ^2/NDF:8.9/5

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

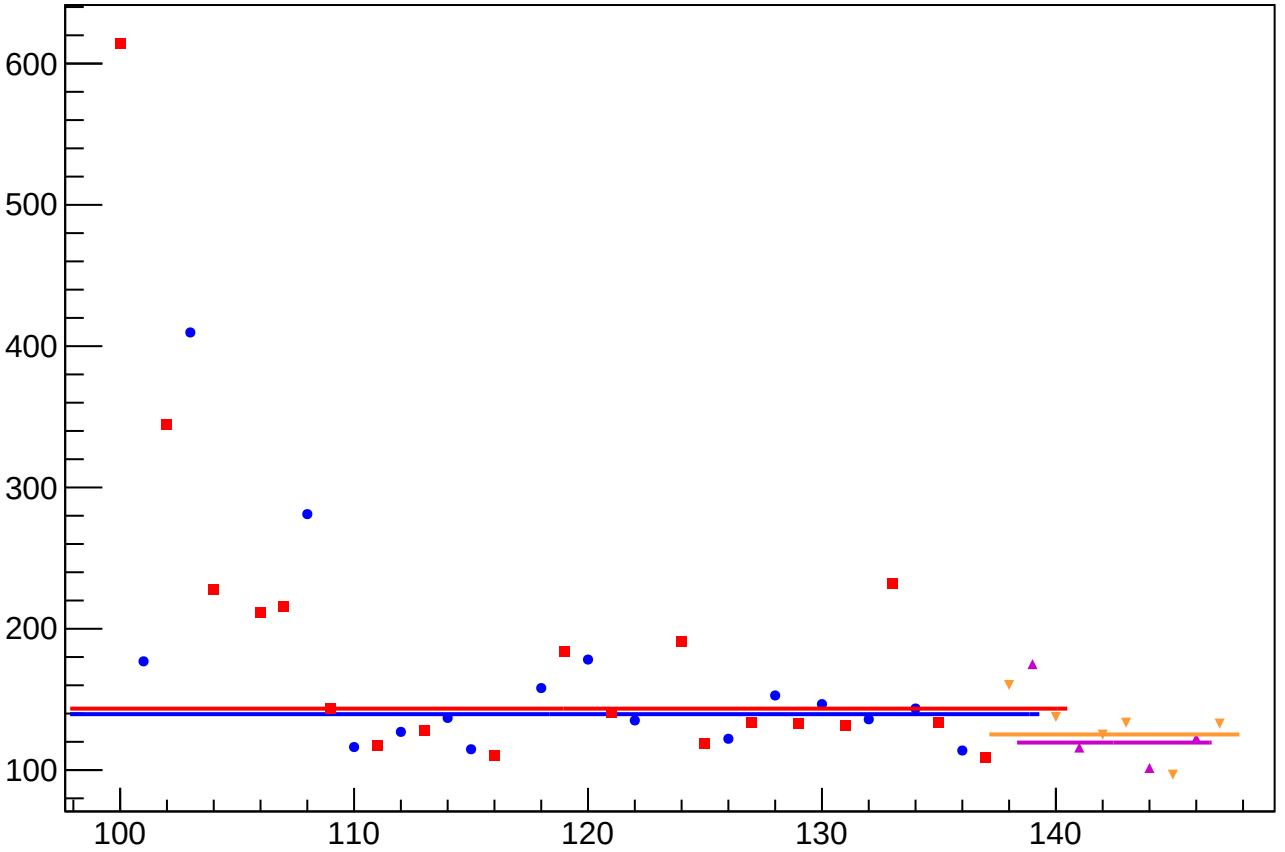
Left In: 60.305+/-67.368 χ^2/NDF:1.8/3

+ sign 108.224+/-40.912 χ^2/NDF: 38.2/21

All: 66.928+/-29.674 χ^2/NDF: 60.1/44

- sign 21.085+/-43.105 χ^2/NDF: 19.7/22

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.205+/-0.043 χ^2/NDF:222485.3/5

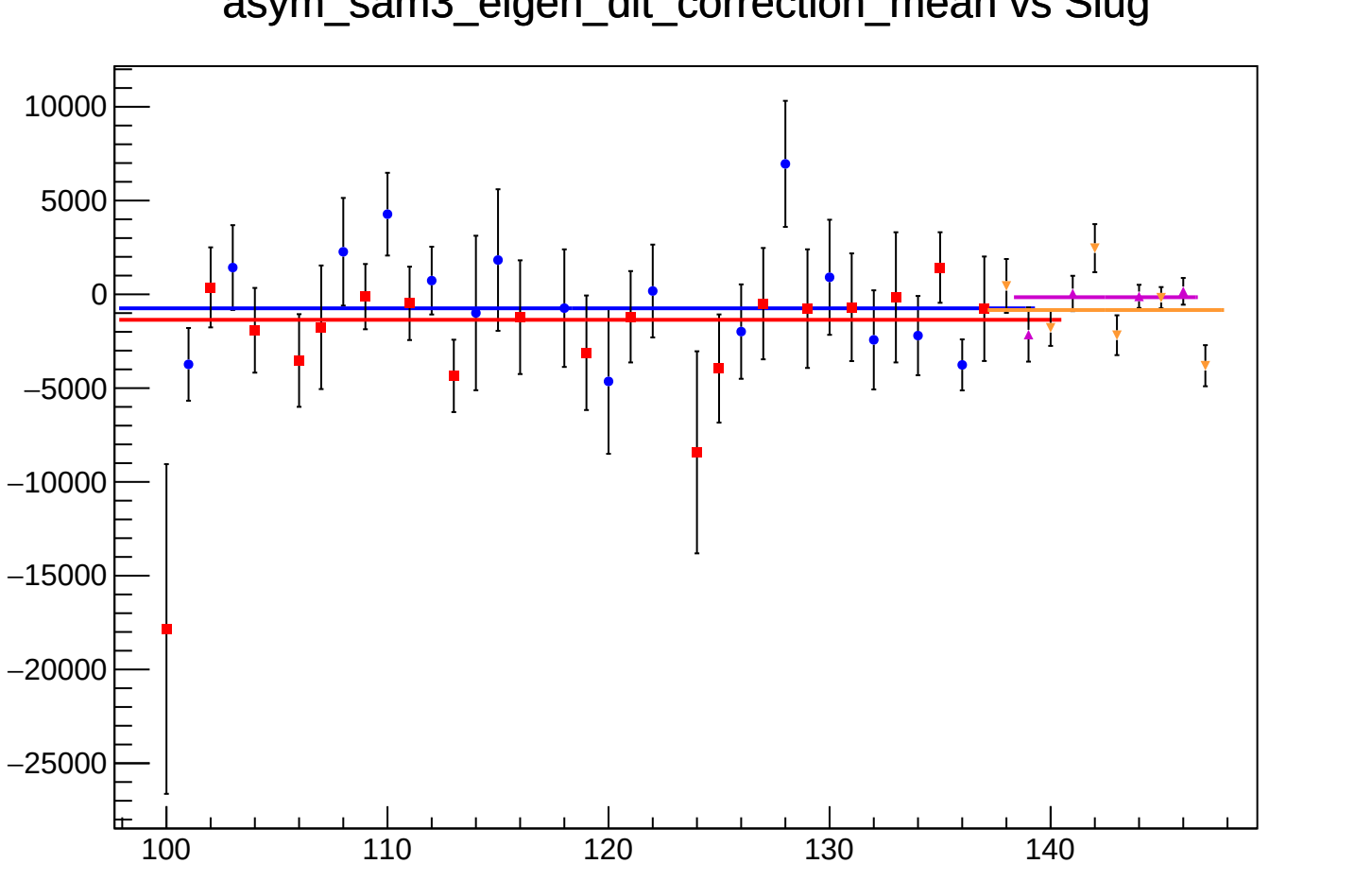
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 119.477+/-0.048 χ^2/NDF:223358.2/3

+ sign 133.178+/-0.029 χ^2/NDF: 1260088.8/21

All: 133.403+/-0.021 χ^2/NDF: 2750198.0/44

- sign 133.653+/-0.030 χ^2/NDF: 1489981.6/22



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -835.315+/-377.750 χ^2/NDF:18.7/5

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

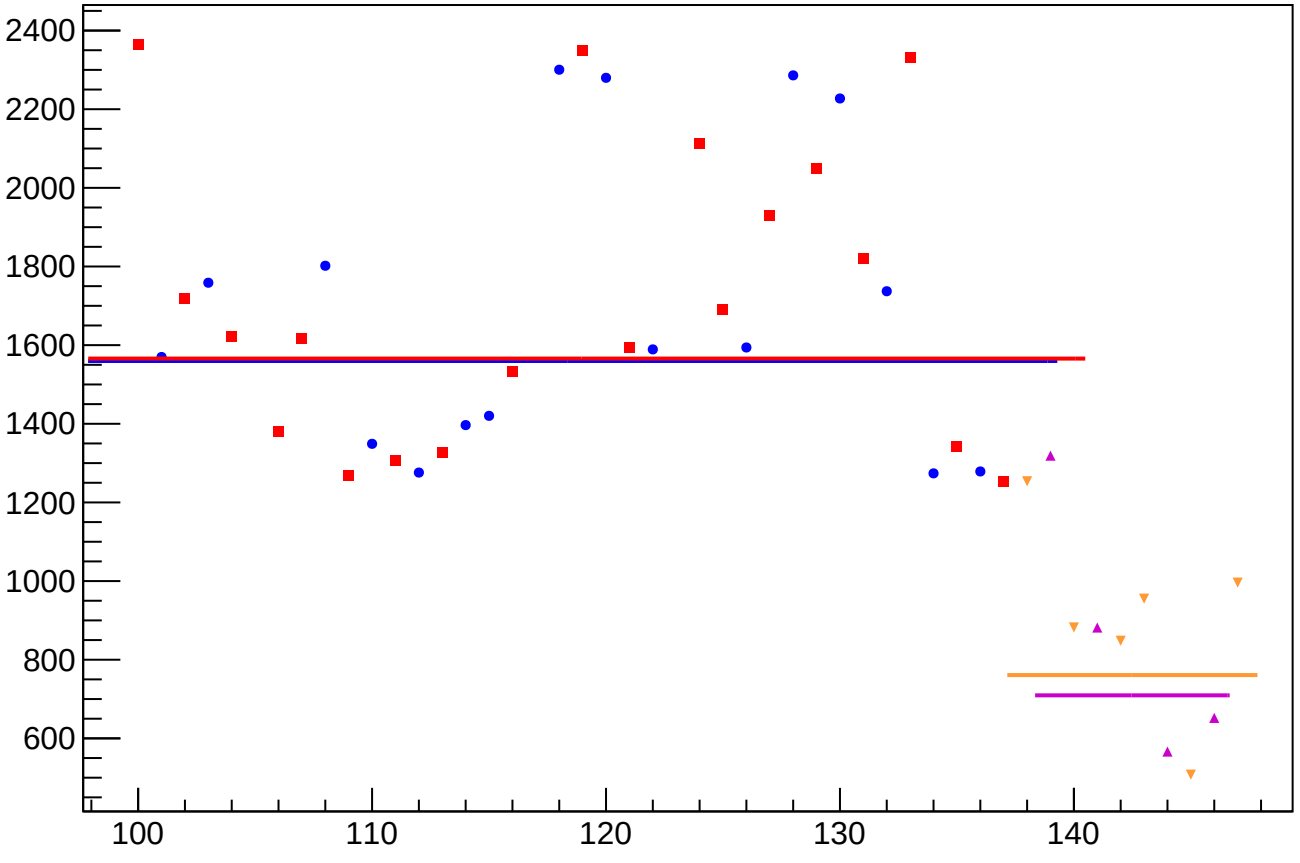
Left In: -152.590+/-401.636 χ^2/NDF:2.2/3

+ sign -809.328+/-319.032 χ^2/NDF: 42.2/21

All: -678.756+/-229.790 χ^2/NDF: 61.1/44

- sign -537.987+/-331.257 χ^2/NDF: 18.6/22

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 761.002+/-0.267 χ^2/NDF:835874.8/5

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

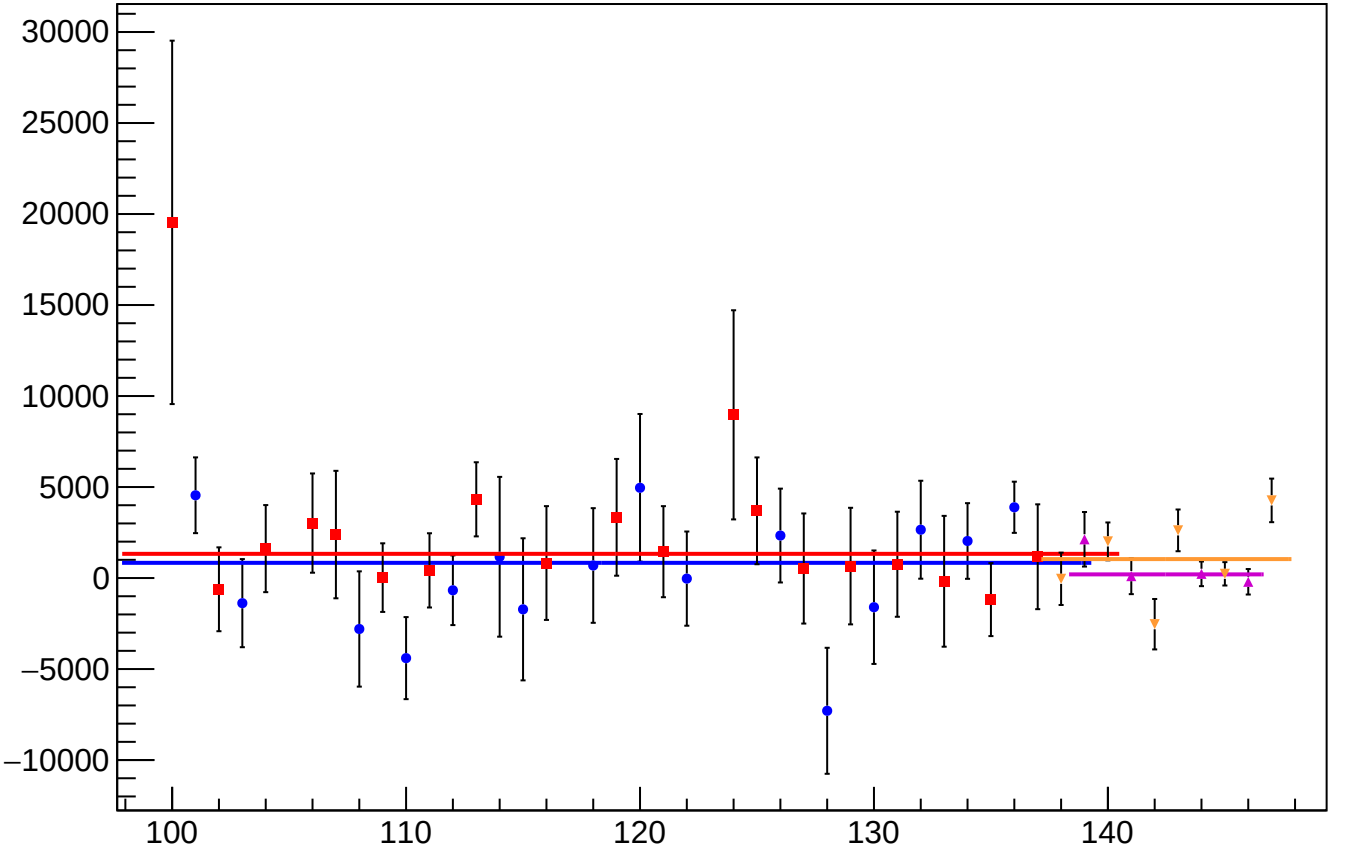
Left In: 709.442+/-0.284 χ^2/NDF:544657.7/3

+ sign 990.013+/-0.226 χ^2/NDF: 4003851.2/21

All: 986.768+/-0.162 χ^2/NDF: 8020165.0/44

- sign 983.270+/-0.234 χ^2/NDF: 4015883.8/22

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1041.148+/-414.685 χ^2/NDF:18.9/5

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

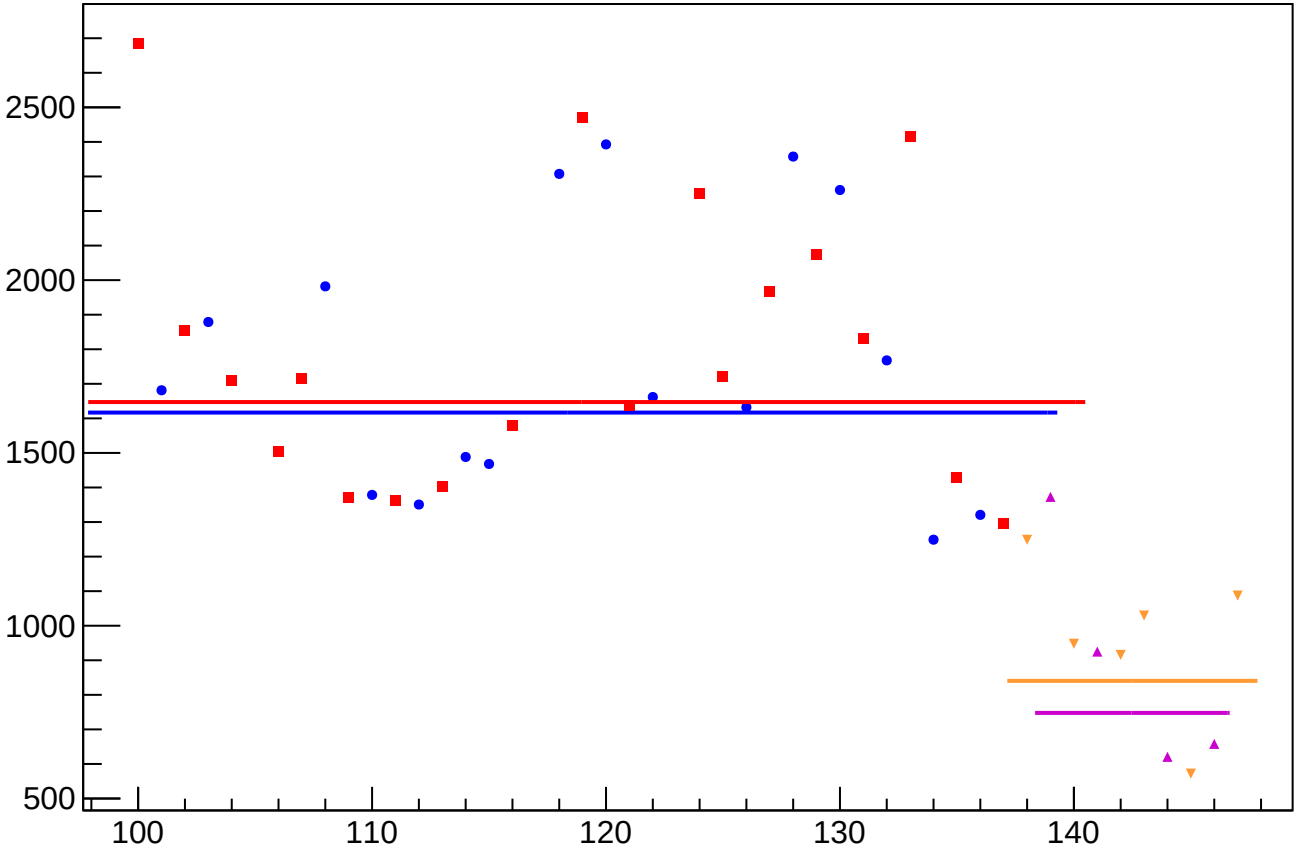
Left In: 201.250+/-419.554 χ^2/NDF:2.0/3

\+ sign 977.411+/-344.482 χ^2/NDF: 43.8/21

All: 769.361+/-244.415 χ^2/NDF: 61.0/44

\- sign 558.453+/-346.840 χ^2/NDF: 16.4/22

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 840.465+/-0.293 χ^2/NDF:677635.2/5

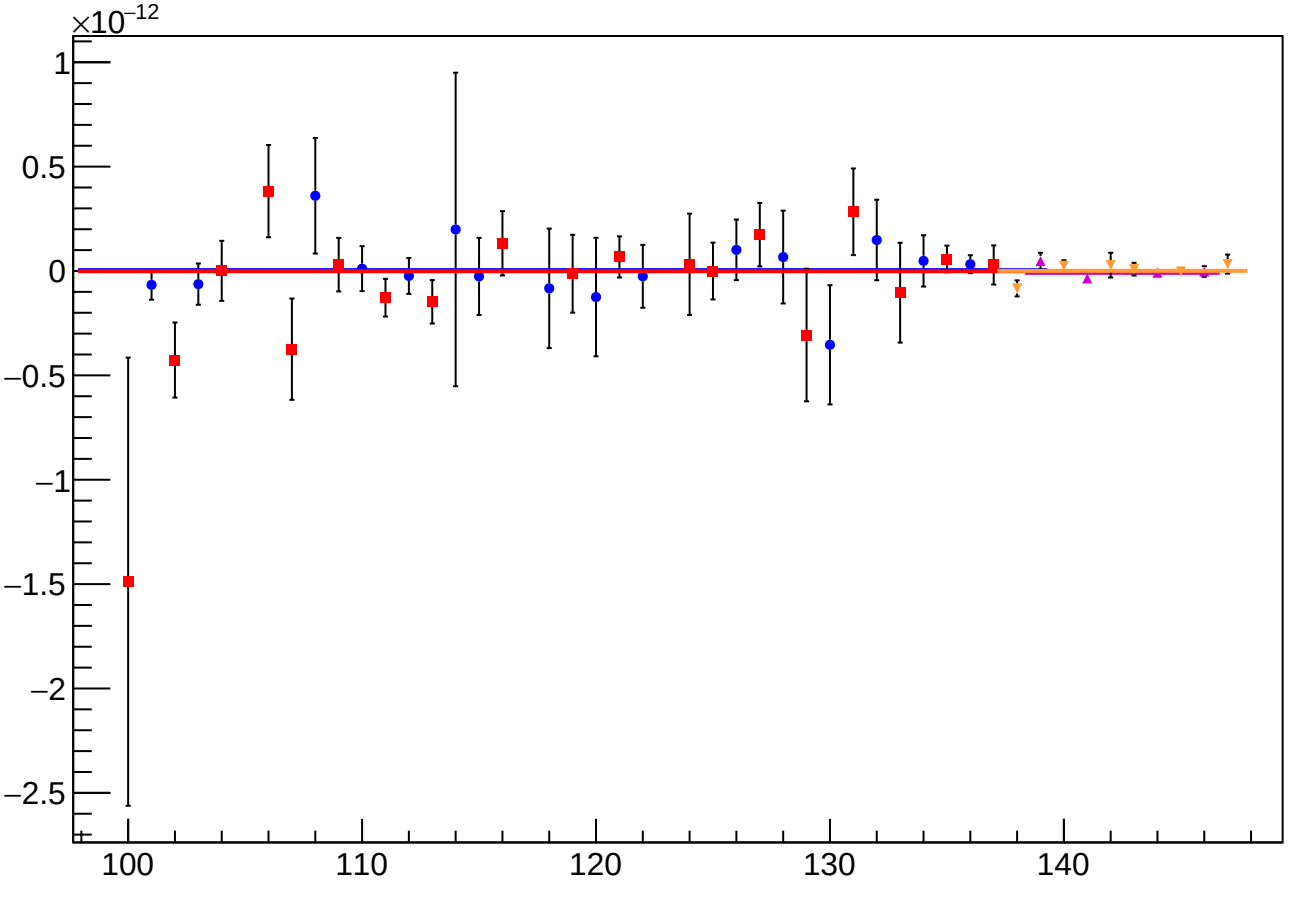
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 747.763+/-0.297 χ^2/NDF:515581.2/3

+ sign 1081.073+/-0.244 χ^2/NDF: 3472384.1/21

All: 1056.963+/-0.173 χ^2/NDF: 7441708.6/44

- sign 1032.523+/-0.245 χ^2/NDF: 3949596.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/5

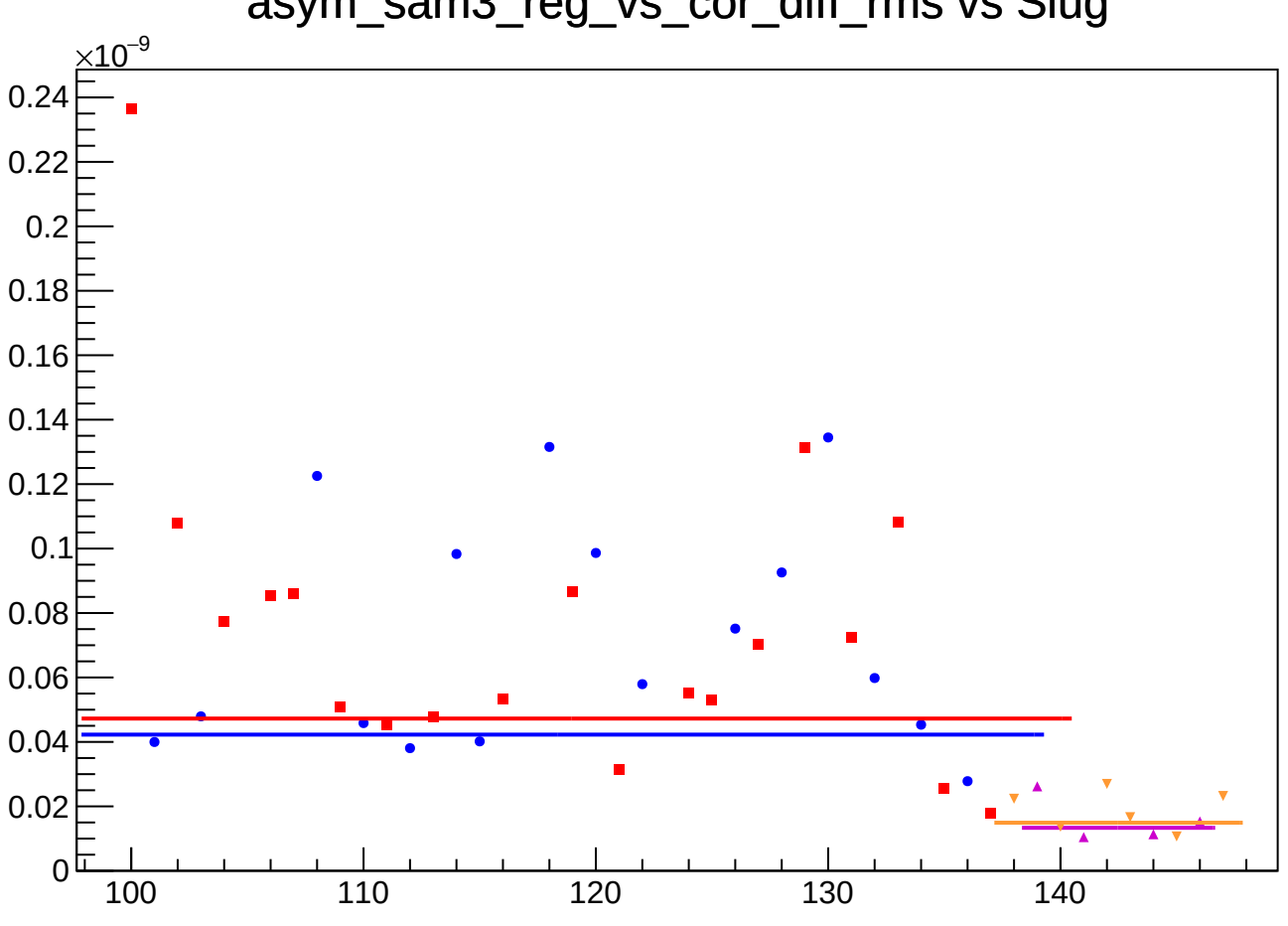
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/21

All: -0.000+/-0.000 χ^2/NDF: 40.5/44

- sign -0.000+/-0.000 χ^2/NDF: 26.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:341405.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

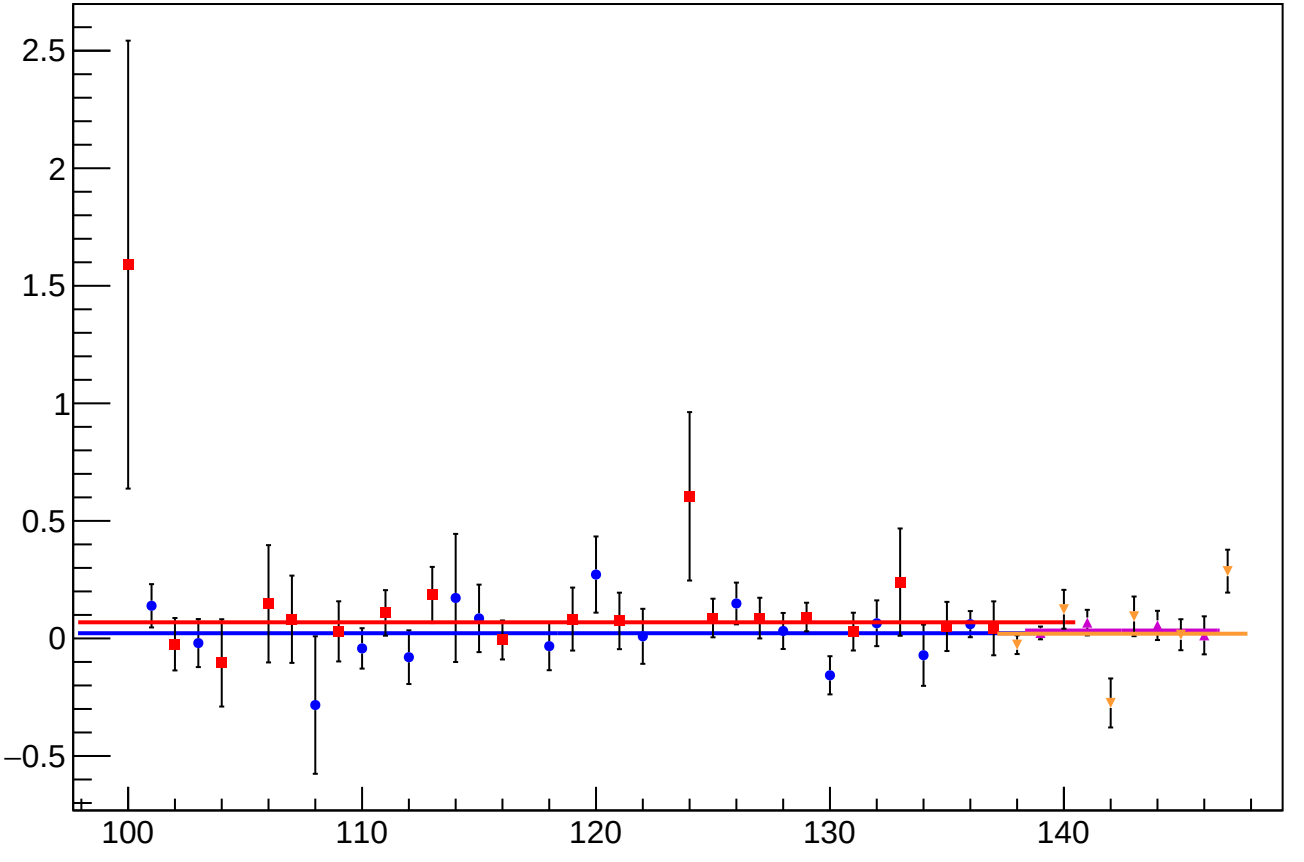
Left In: 0.000+/-0.000 χ^2/NDF:276746.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3172670.4/21

All: 0.000+/-0.000 χ^2/NDF: 7044209.4/44

- sign 0.000+/-0.000 χ^2/NDF: 3853365.6/22

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

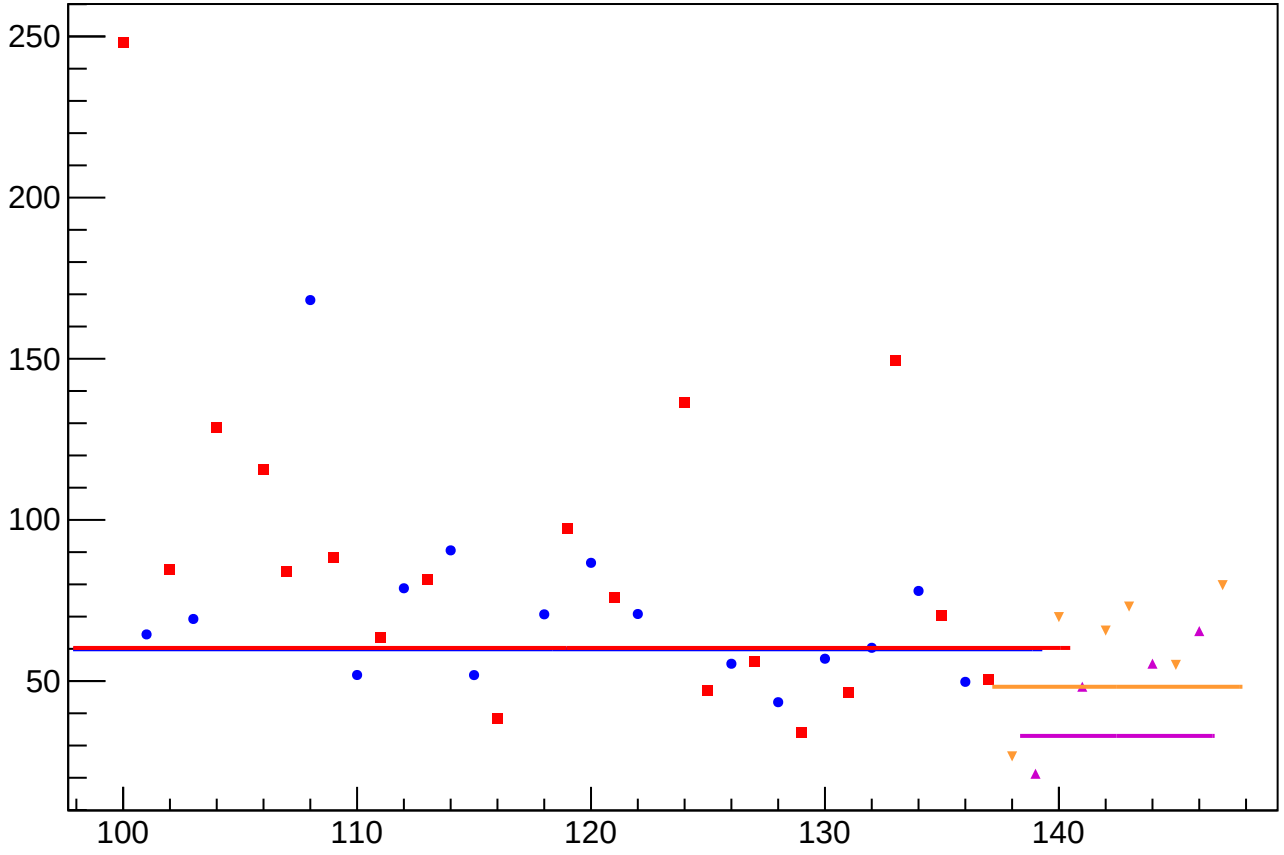
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.036+/-0.012 χ^2/NDF: 48.4/44

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

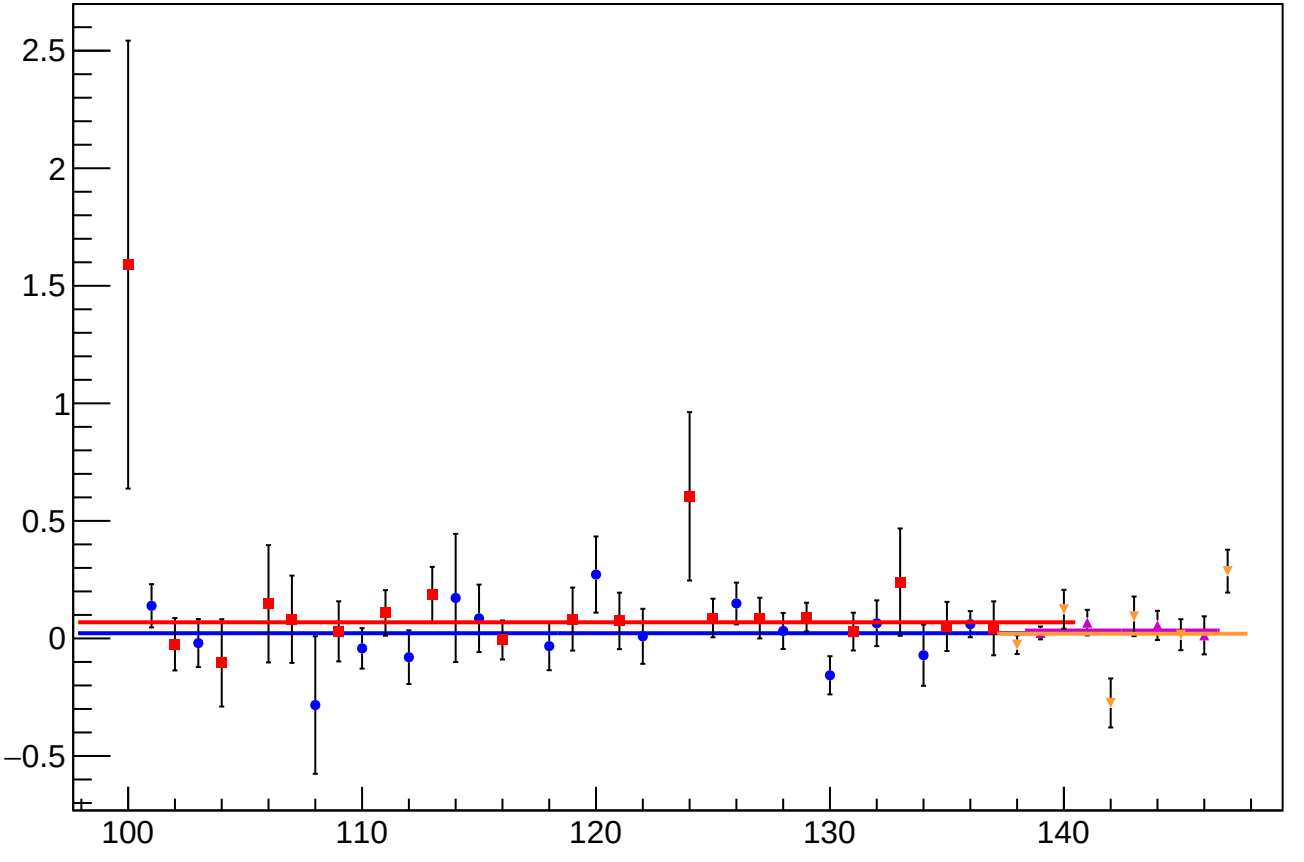
Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

+ sign 54.598+/-0.013 χ^2/NDF: 2114924.7/21

All: 49.110+/-0.009 χ^2/NDF: 6872815.8/44

- sign 44.622+/-0.012 χ^2/NDF: 4429158.9/22

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

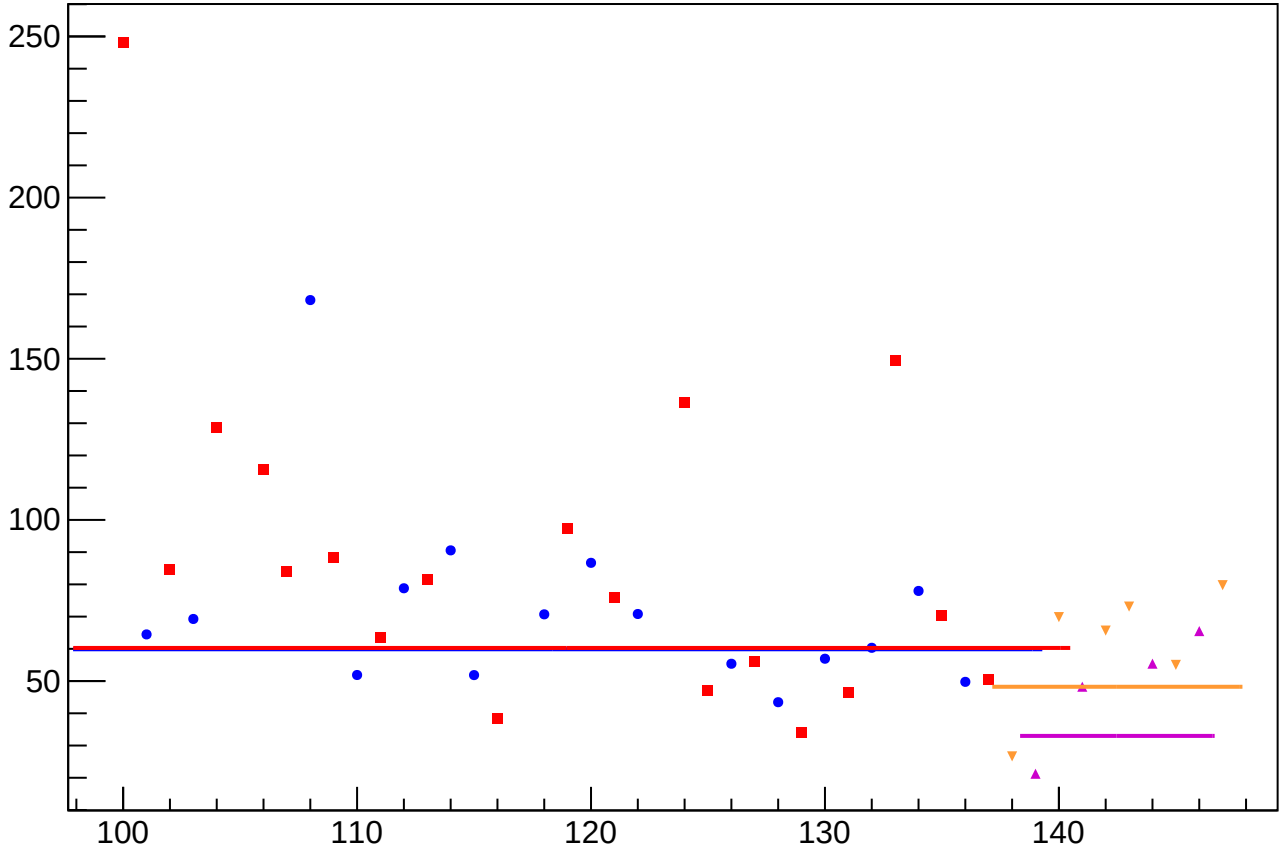
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.036+/-0.012 χ^2/NDF: 48.4/44

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

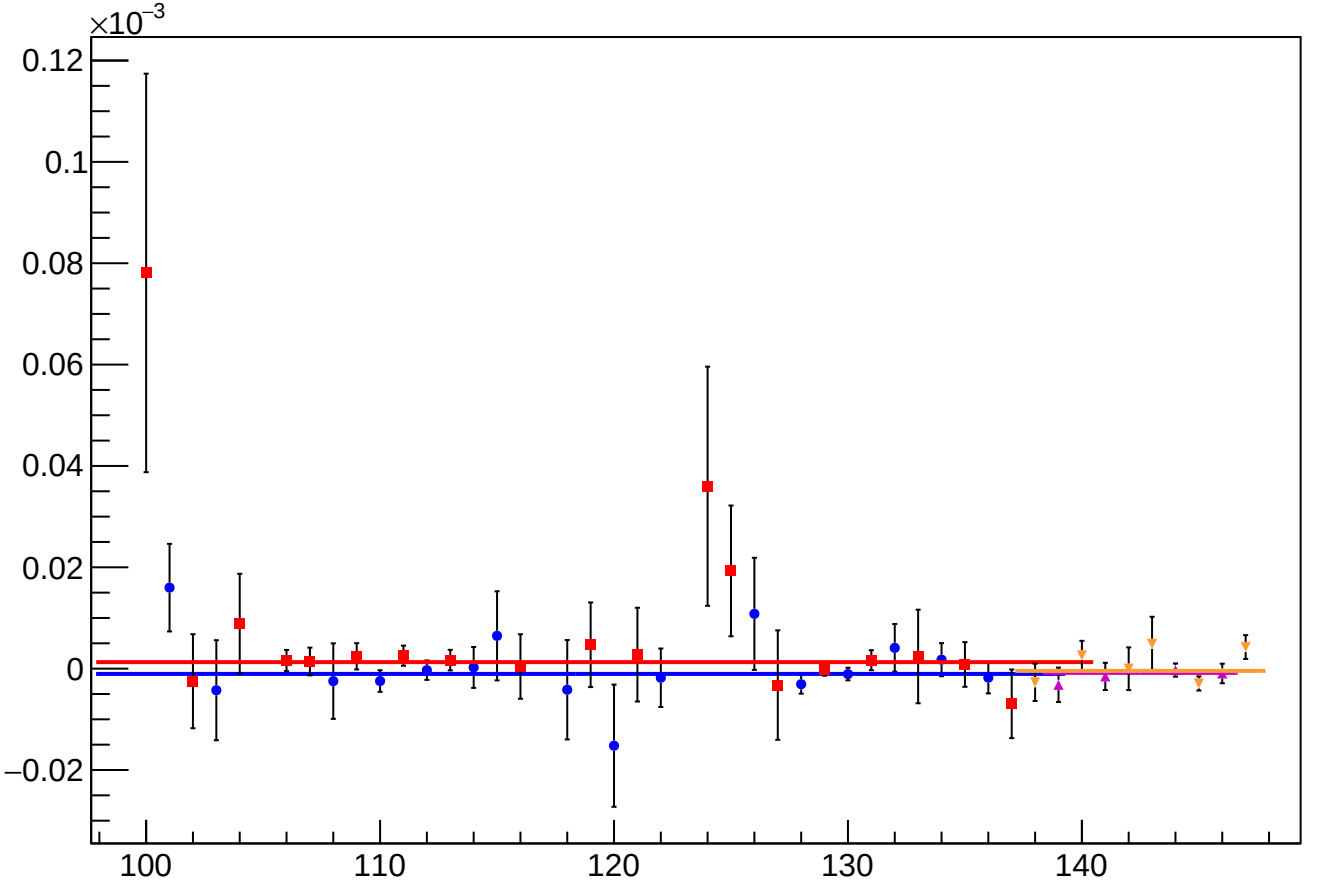
Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

+ sign 54.598+/-0.013 χ^2/NDF: 2114924.7/21

All: 49.110+/-0.009 χ^2/NDF: 6872815.8/44

- sign 44.622+/-0.012 χ^2/NDF: 4429158.9/22

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:9.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

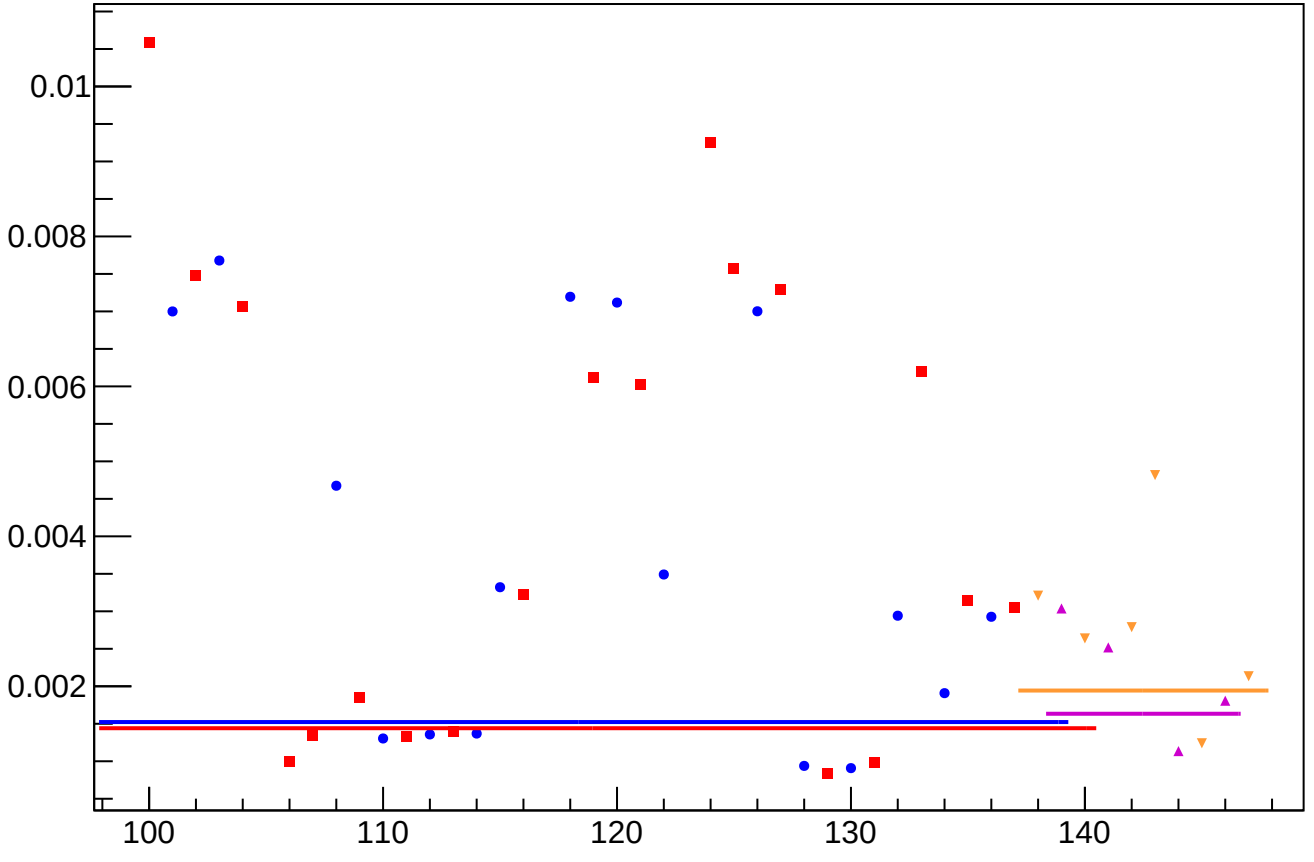
Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: -0.000+/-0.000 χ^2/NDF: 40.4/44

- sign 0.000+/-0.000 χ^2/NDF: 16.4/22

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:1531103.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

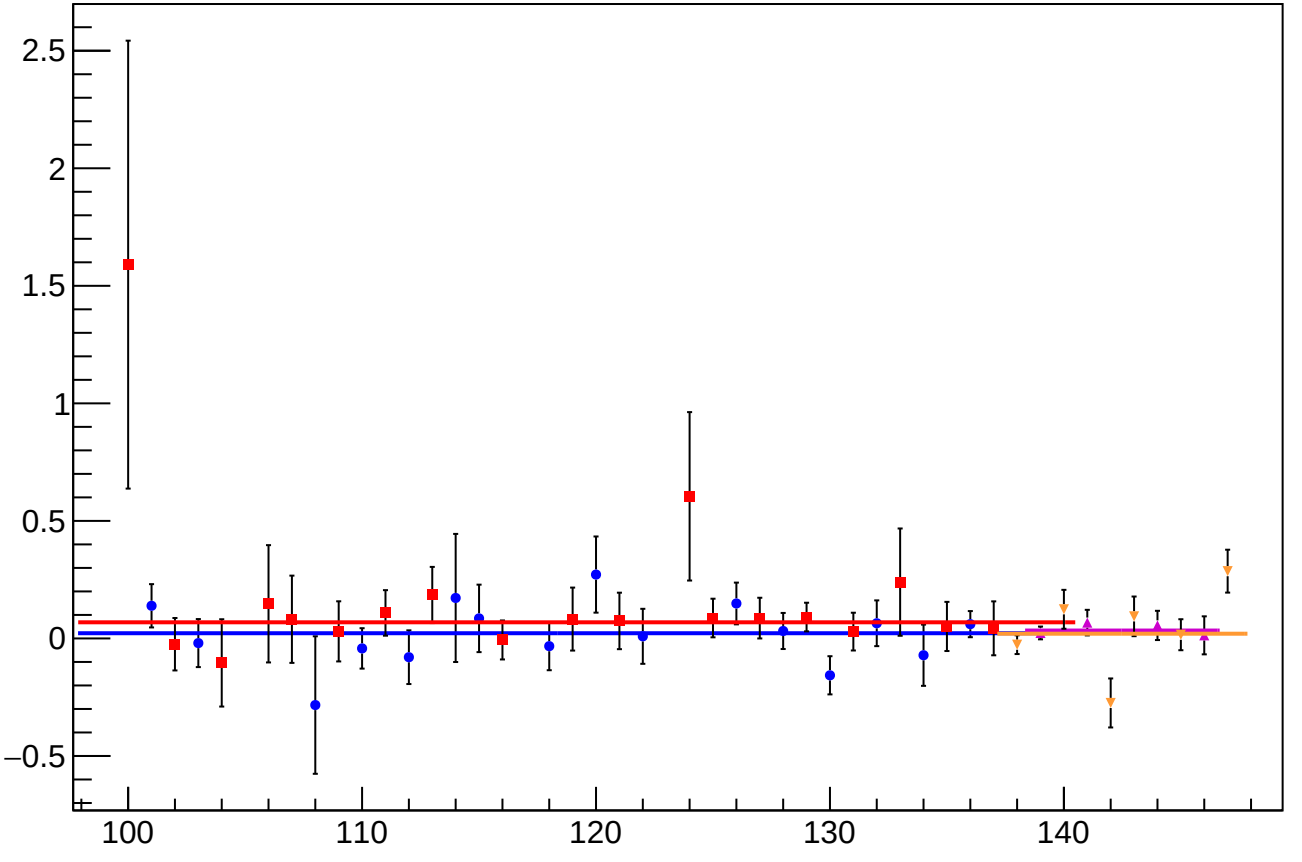
Left In: 0.002+/-0.000 χ^2/NDF:867580.9/3

+ sign 0.002+/-0.000 χ^2/NDF: 6939387.7/21

All: 0.002+/-0.000 χ^2/NDF: 13726671.0/44

- sign 0.002+/-0.000 χ^2/NDF: 6709626.8/22

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

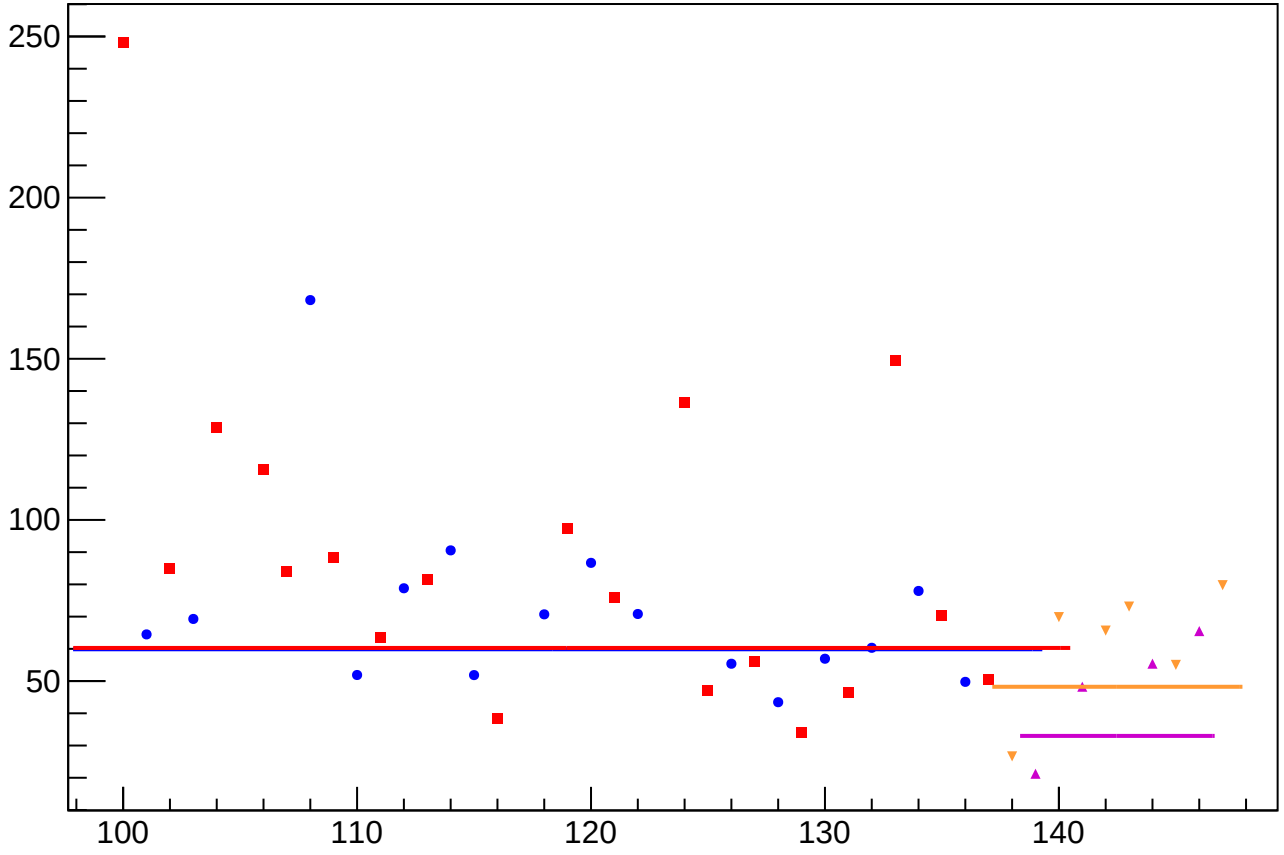
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.036+/-0.012 χ^2/NDF: 48.4/44

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

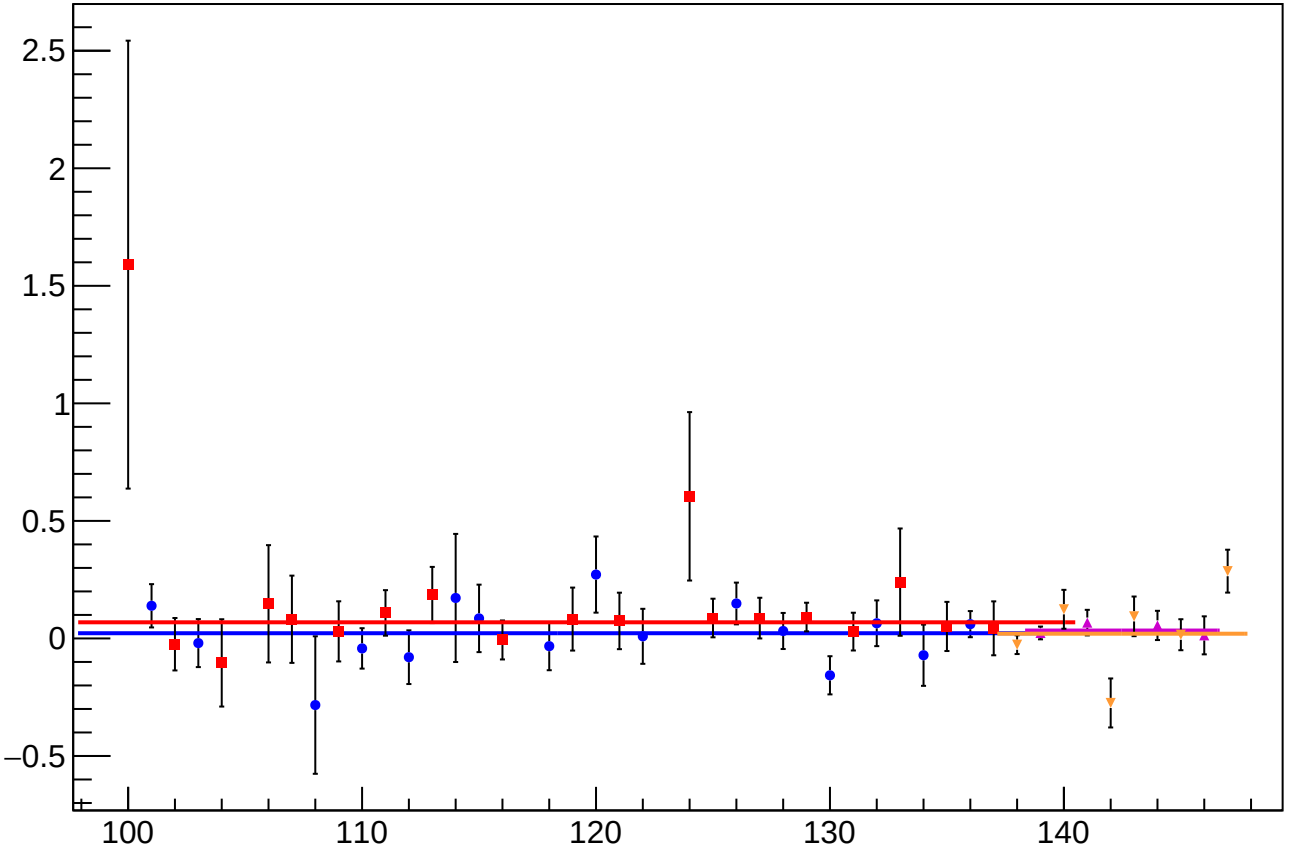
Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

+ sign 54.598+/-0.013 χ^2/NDF: 2115296.9/21

All: 49.109+/-0.009 χ^2/NDF: 6873639.0/44

- sign 44.621+/-0.012 χ^2/NDF: 4429570.5/22

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

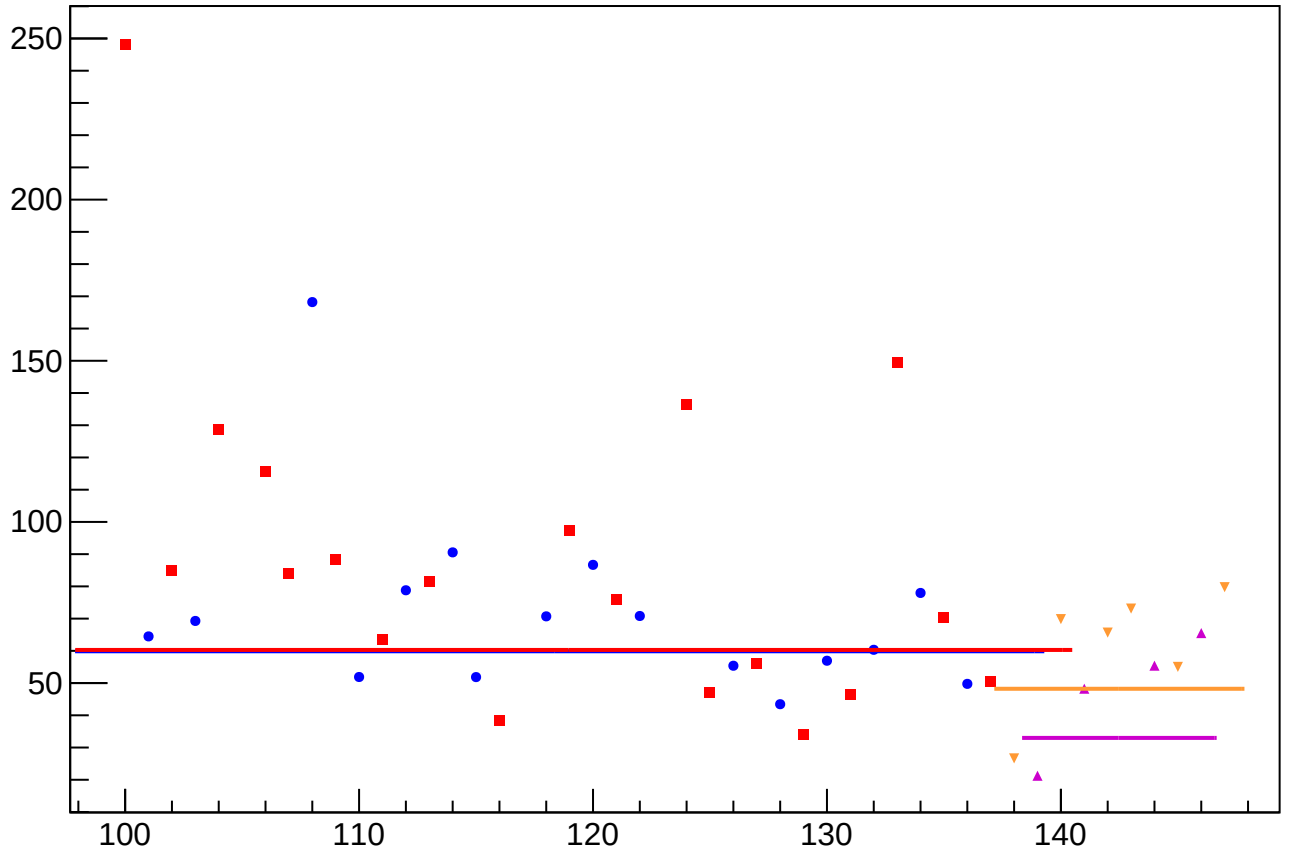
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.036+/-0.012 χ^2/NDF: 48.4/44

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

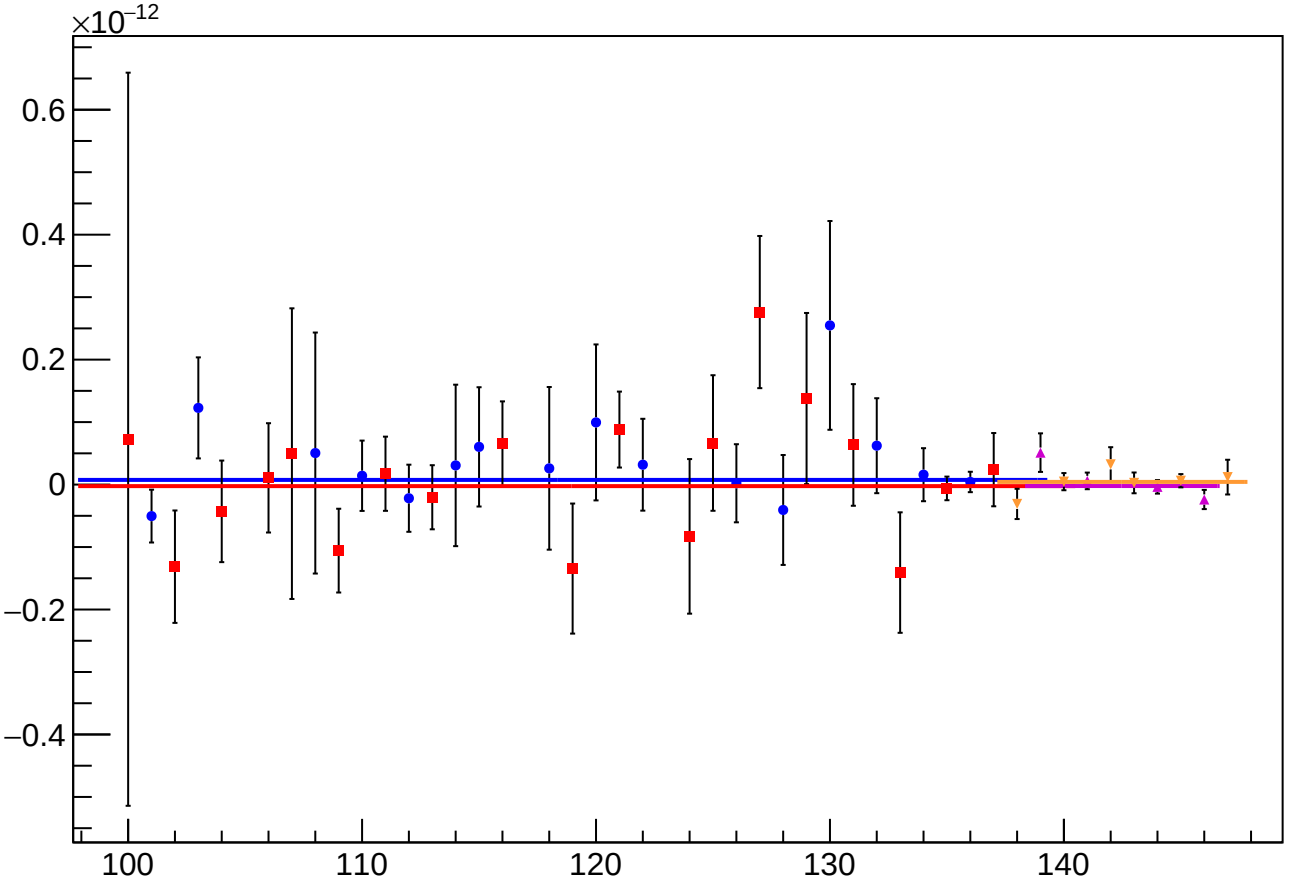
Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

+ sign 54.598+/-0.013 χ^2/NDF: 2115296.9/21

All: 49.109+/-0.009 χ^2/NDF: 6873639.0/44

- sign 44.621+/-0.012 χ^2/NDF: 4429570.5/22

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

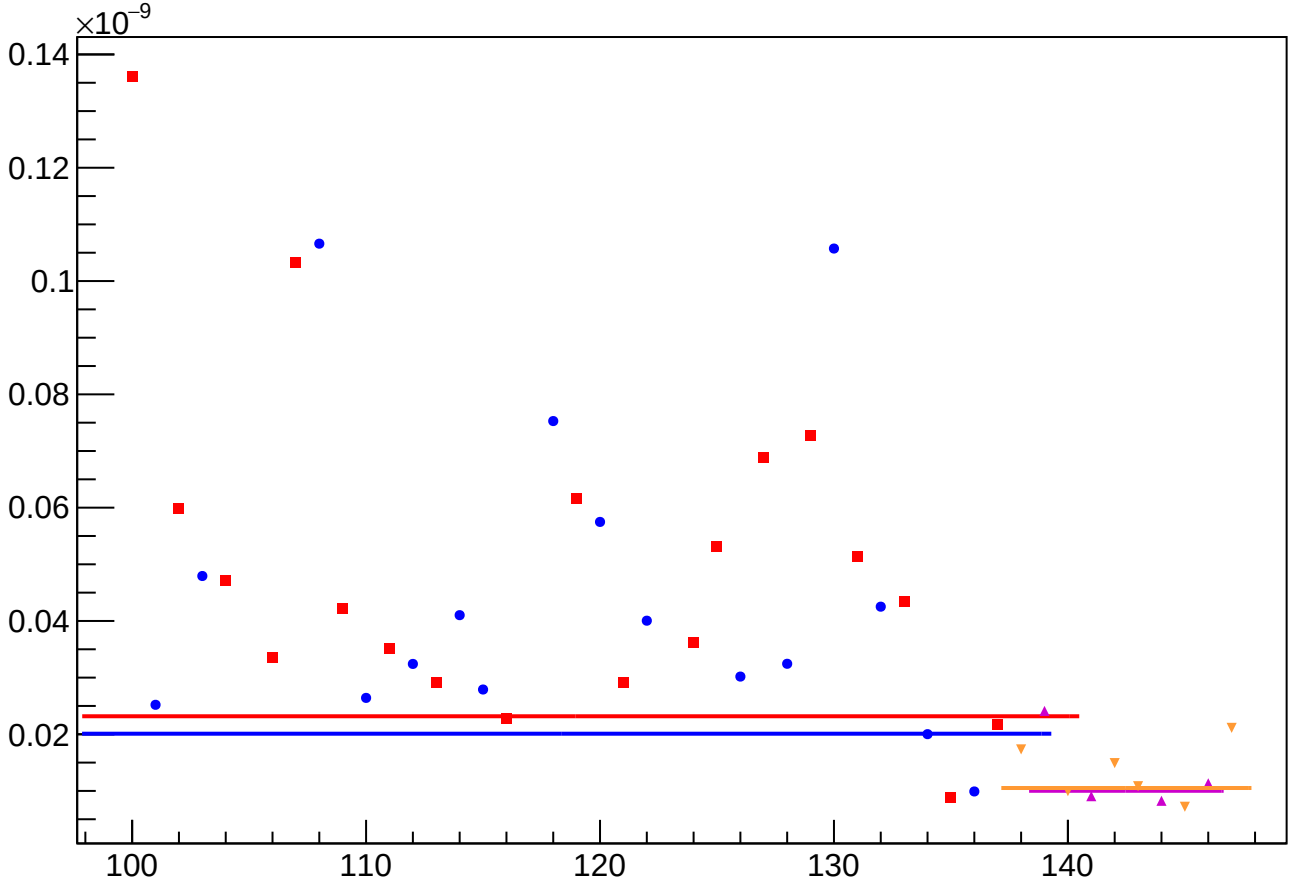
Left In: -0.000+/-0.000 χ^2/NDF:5.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/21

All: 0.000+/-0.000 χ^2/NDF: 37.5/44

- sign -0.000+/-0.000 χ^2/NDF: 25.0/22

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:699931.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

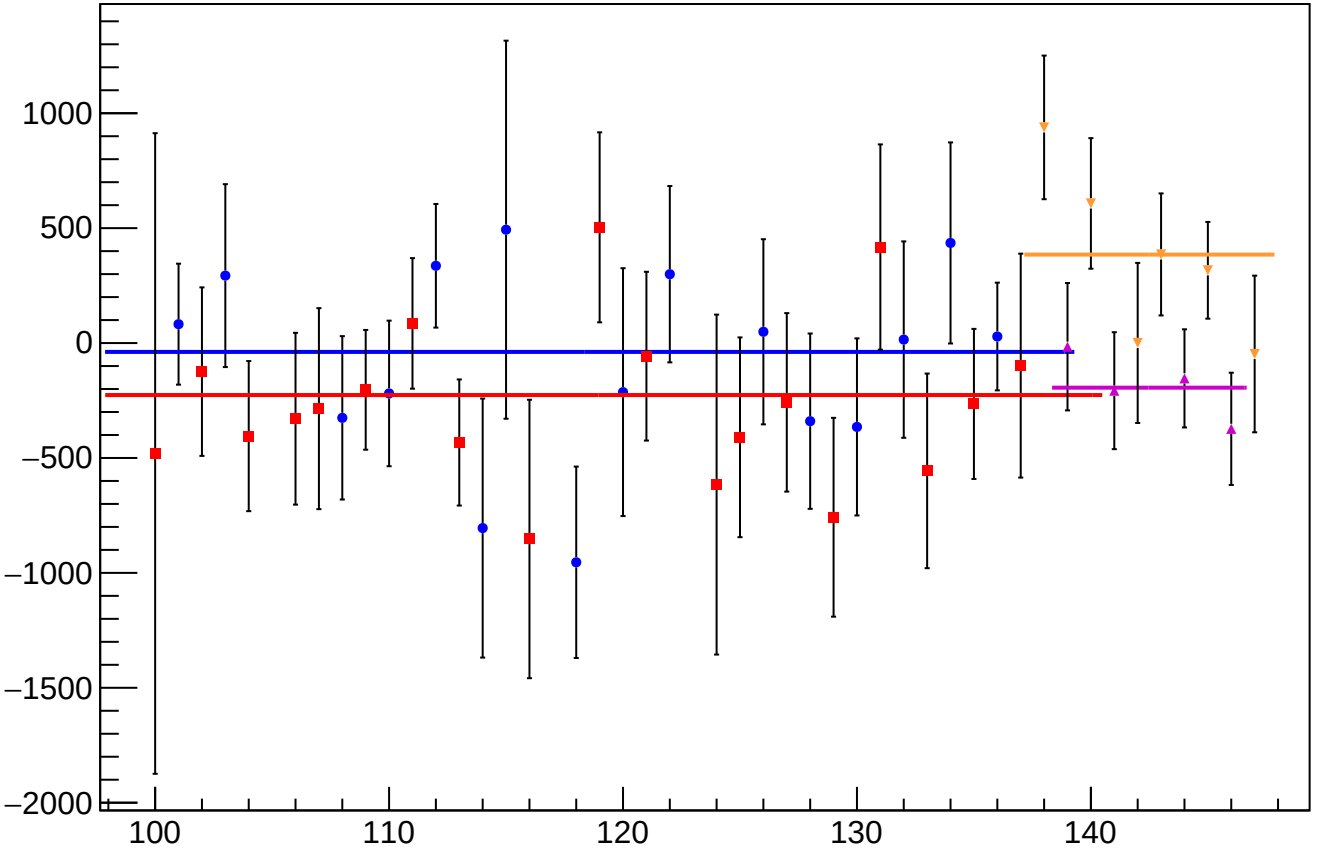
Left In: 0.000+/-0.000 χ^2/NDF:495311.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4774763.0/21

All: 0.000+/-0.000 χ^2/NDF: 10278414.9/44

- sign 0.000+/-0.000 χ^2/NDF: 5503070.1/22

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 384.962+/-114.525 χ^2/NDF:6.7/5

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

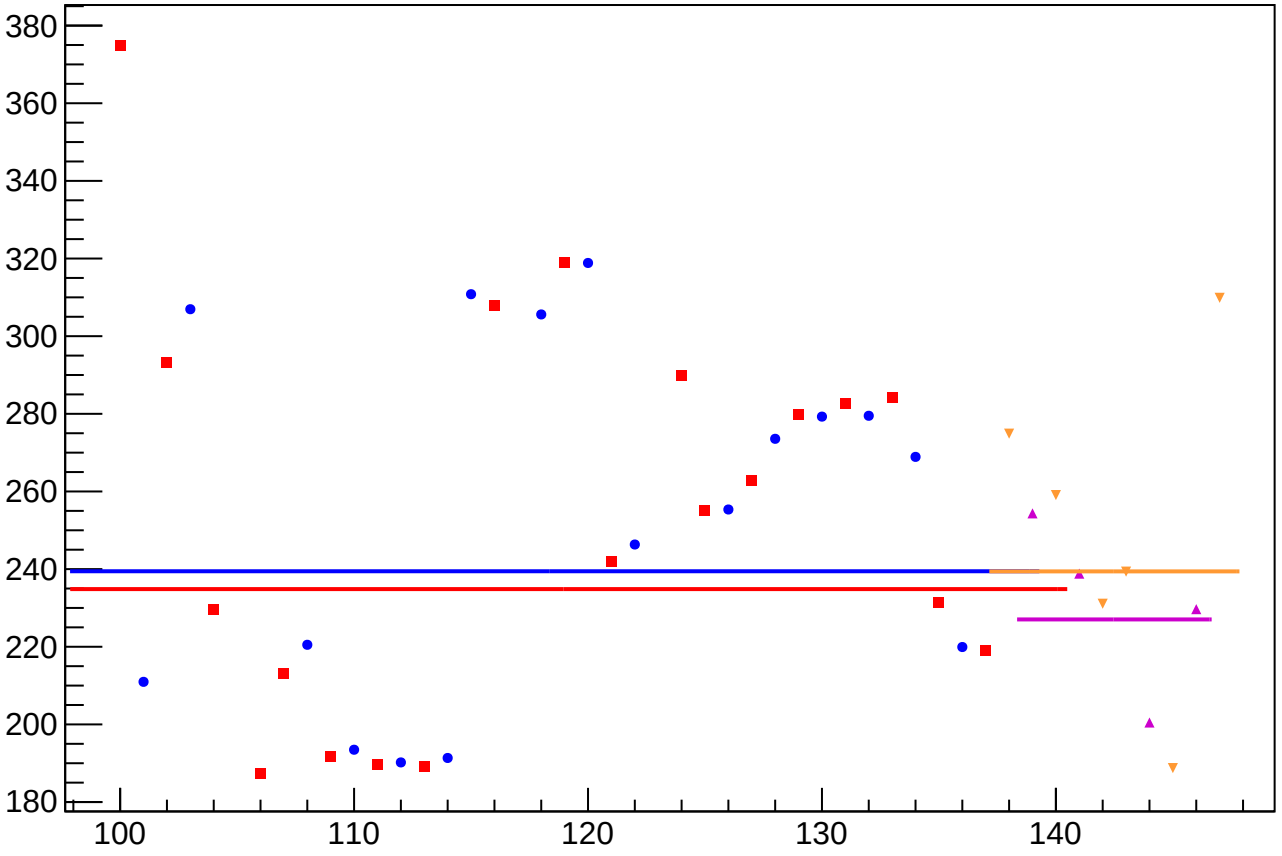
Left In: -194.100+/-121.998 χ^2/NDF:1.0/3

+ sign 124.546+/-71.063 χ^2/NDF: 29.6/21

All: -44.716+/-50.340 χ^2/NDF: 53.4/44

- sign -215.208+/-71.321 χ^2/NDF: 12.5/22

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

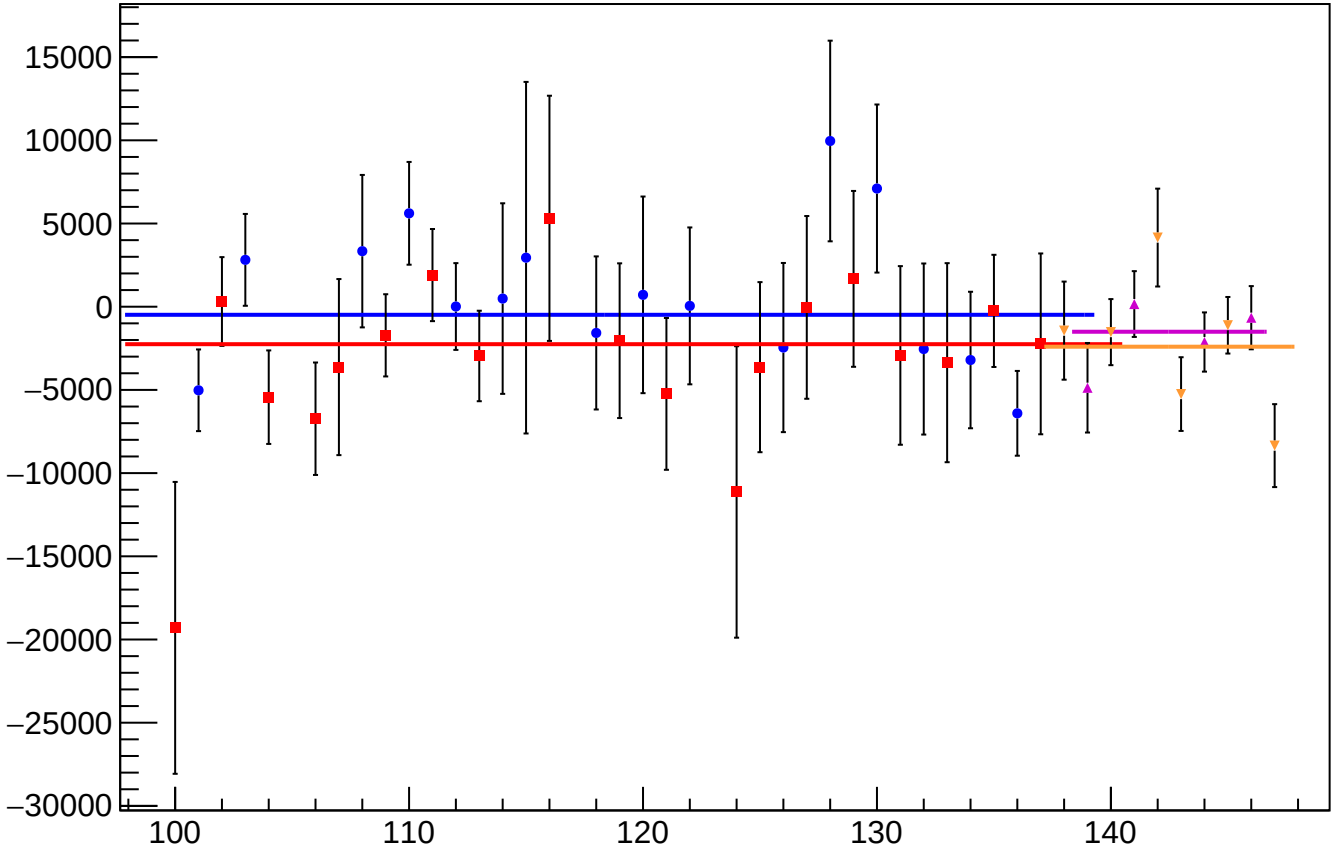
Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 239.436+/-0.050 χ^2/NDF: 638805.8/21

All: 235.823+/-0.036 χ^2/NDF: 1191198.6/44

- sign 232.184+/-0.050 χ^2/NDF: 542016.5/22

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2403.105+/-914.638 χ^2/NDF:13.2/5

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

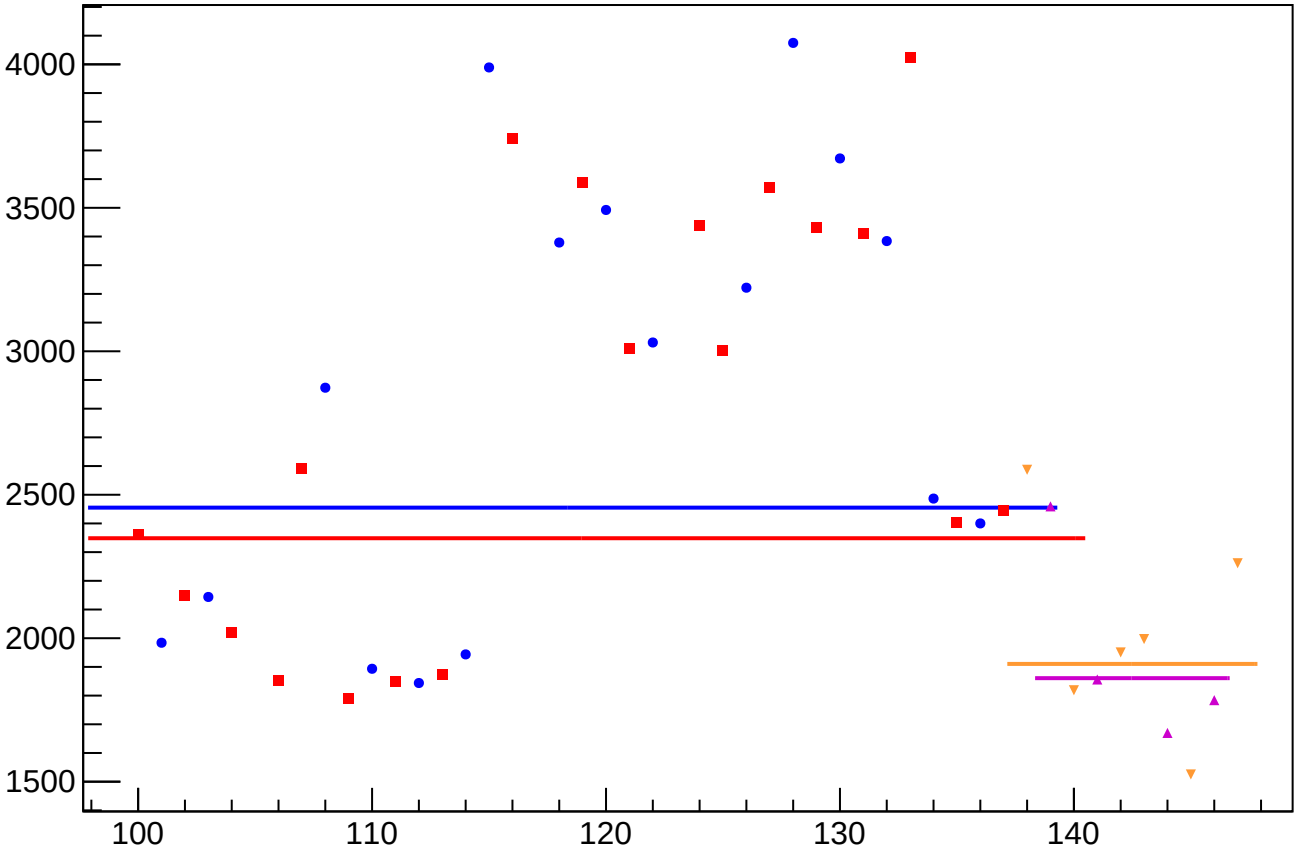
Left In: -1504.323+/-1006.574 χ^2/NDF:2.6/3

+ sign -1478.300+/-658.044 χ^2/NDF: 36.4/21

All: -1696.735+/-468.959 χ^2/NDF: 53.4/44

- sign -1922.165+/-668.497 χ^2/NDF: 16.8/22

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1910.411+/-0.647 χ^2/NDF:255444.9/5

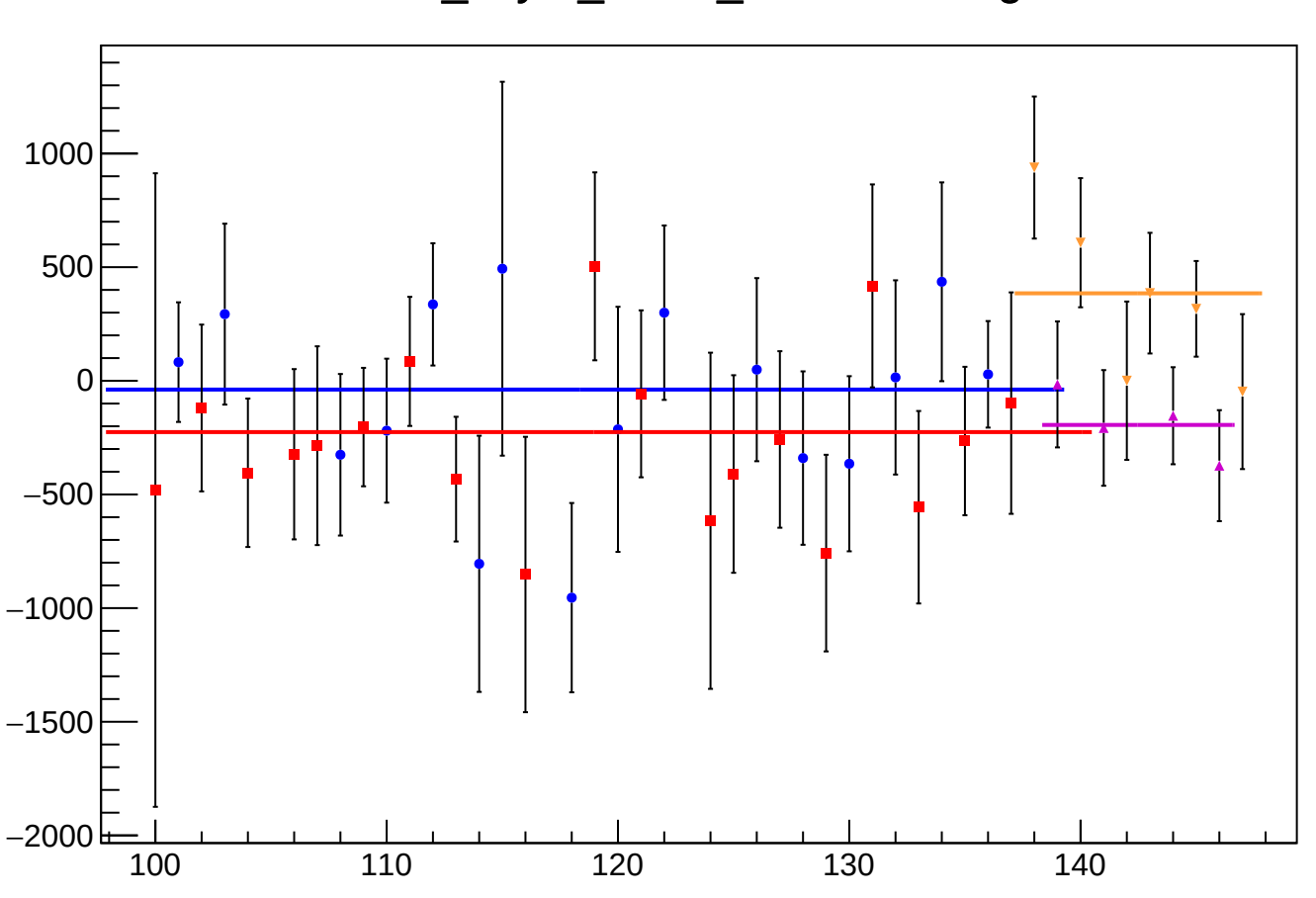
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1860.779+/-0.712 χ^2/NDF:125296.1/3

+ sign 2173.159+/-0.465 χ^2/NDF: 1491989.0/21

All: 2153.569+/-0.332 χ^2/NDF: 2935696.8/44

- sign 2133.351+/-0.473 χ^2/NDF: 1440105.8/22



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

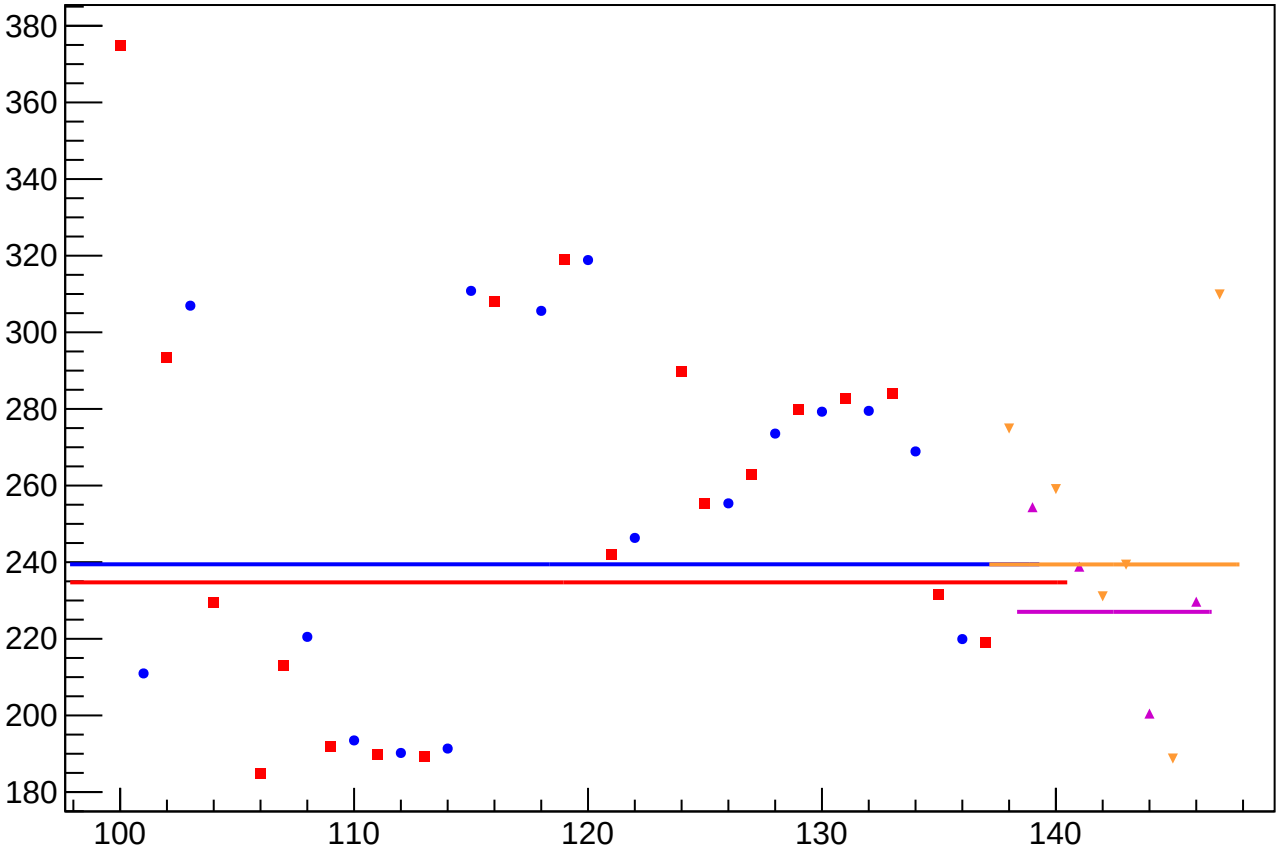
Left In: -194.124+/-121.998 χ^2/NDF:1.0/3

+ sign 124.548+/-71.063 χ^2/NDF: 29.6/21

All: -44.486+/-50.343 χ^2/NDF: 53.4/44

- sign -214.784+/-71.328 χ^2/NDF: 12.5/22

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

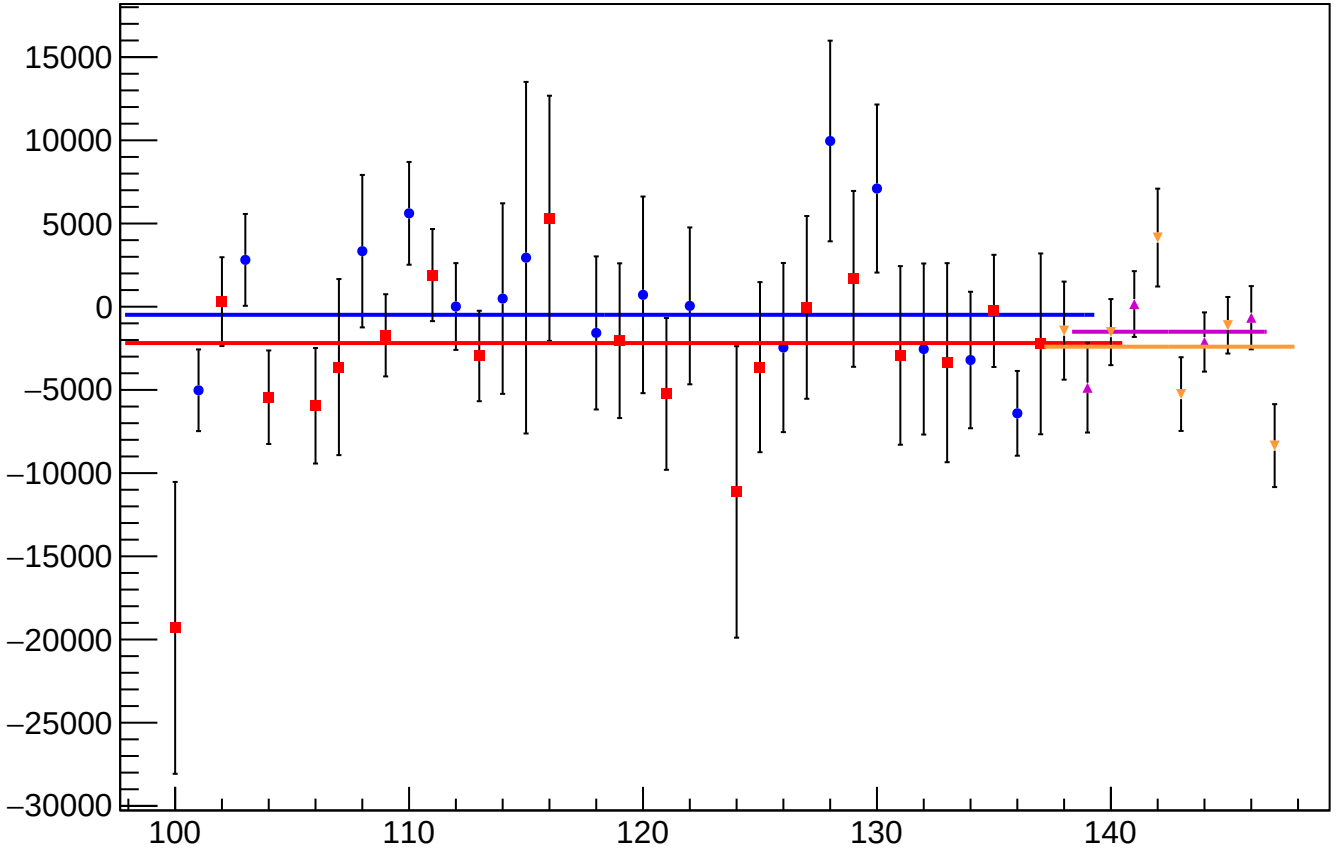
Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 239.436+/-0.050 χ^2/NDF: 638808.2/21

All: 235.783+/-0.036 χ^2/NDF: 1194787.6/44

- sign 232.103+/-0.050 χ^2/NDF: 545371.9/22

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

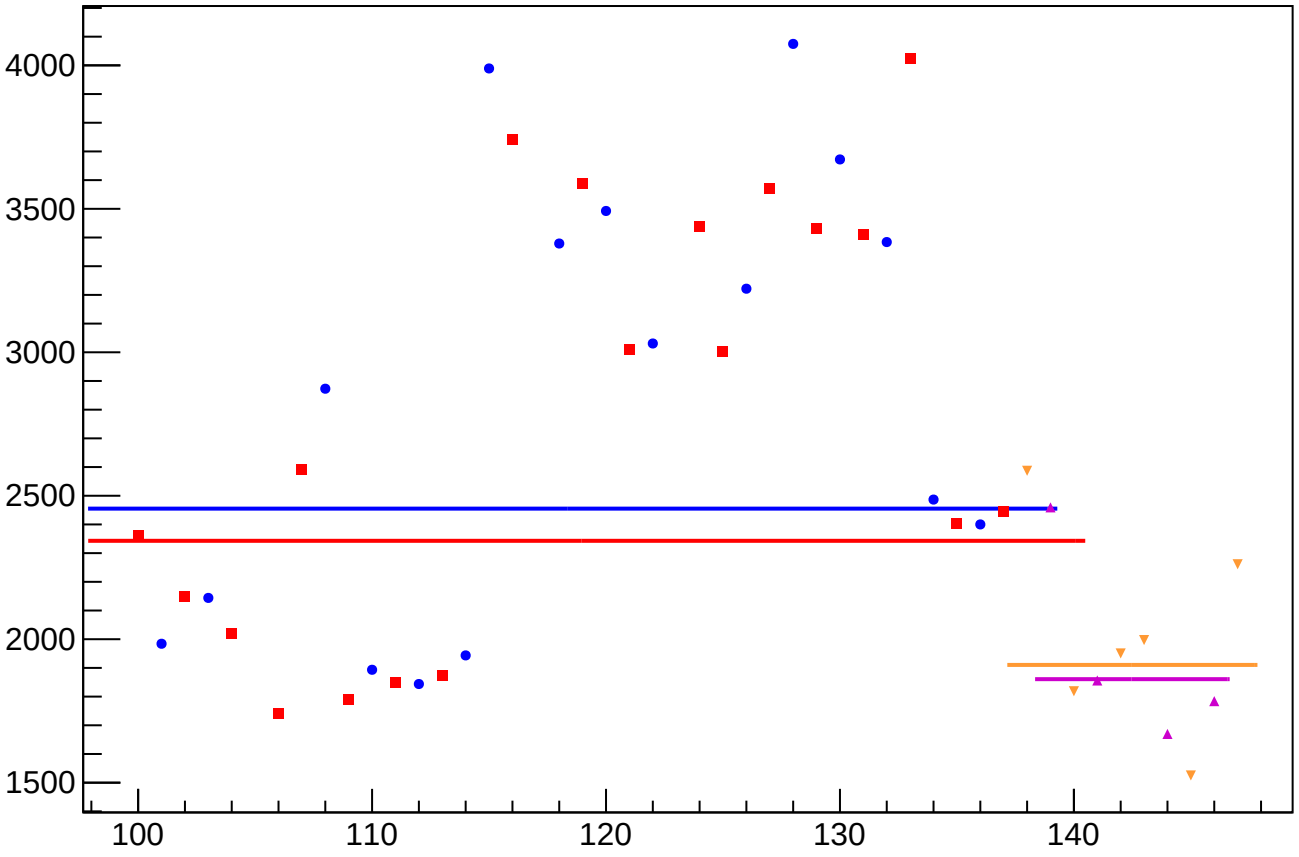
Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: -1504.348+/-1006.575 χ^2/NDF:2.6/3

+ sign -1478.367+/-658.047 χ^2/NDF: 36.4/21

All: -1677.803+/-469.204 χ^2/NDF: 52.7/44

- sign -1884.058+/-669.203 χ^2/NDF: 16.1/22



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

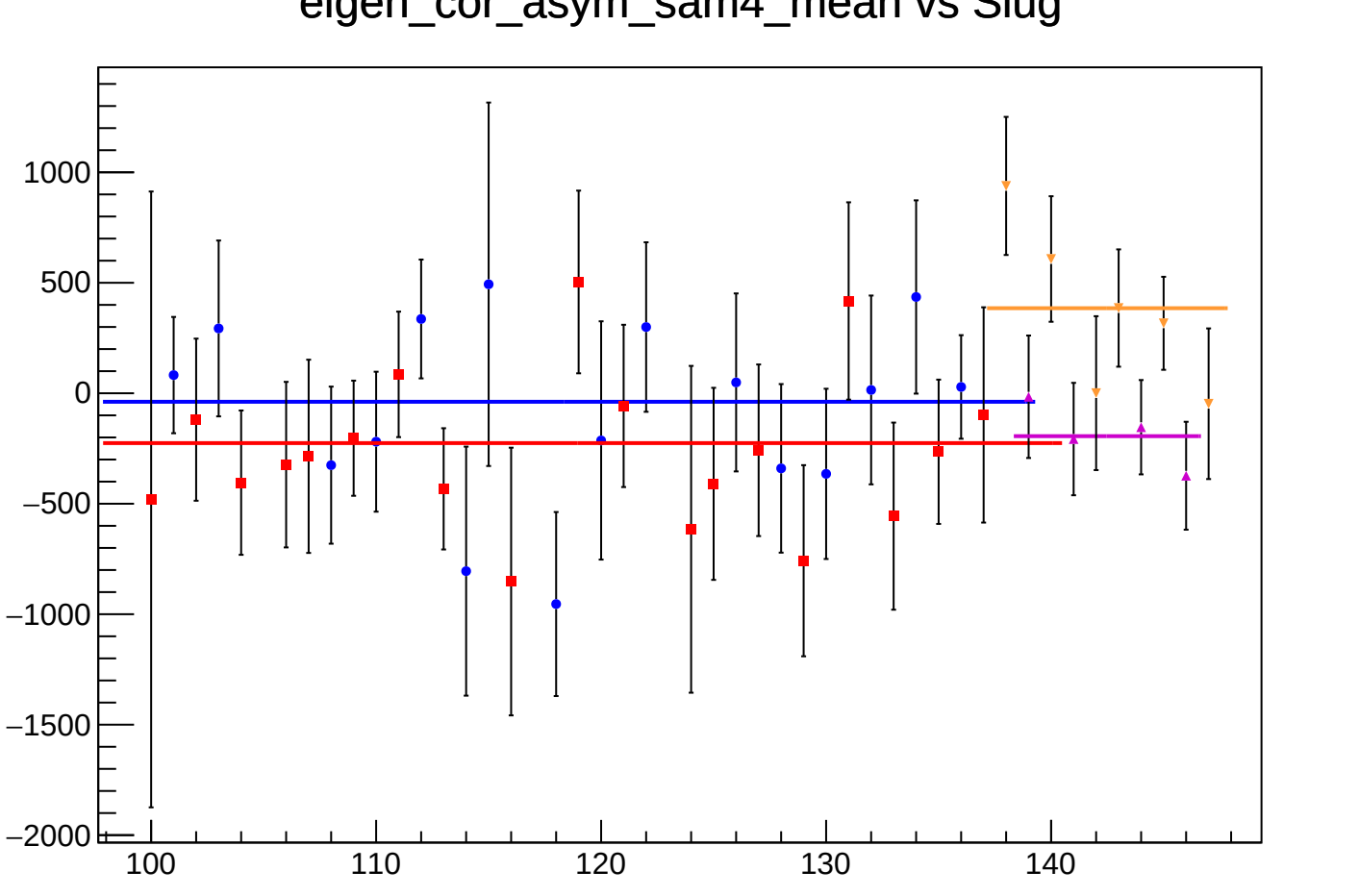
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

+ sign 2173.168+/-0.465 χ^2/NDF: 1491989.1/21

All: 2151.865+/-0.332 χ^2/NDF: 2948018.8/44

- sign 2129.833+/-0.473 χ^2/NDF: 1451765.9/22



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

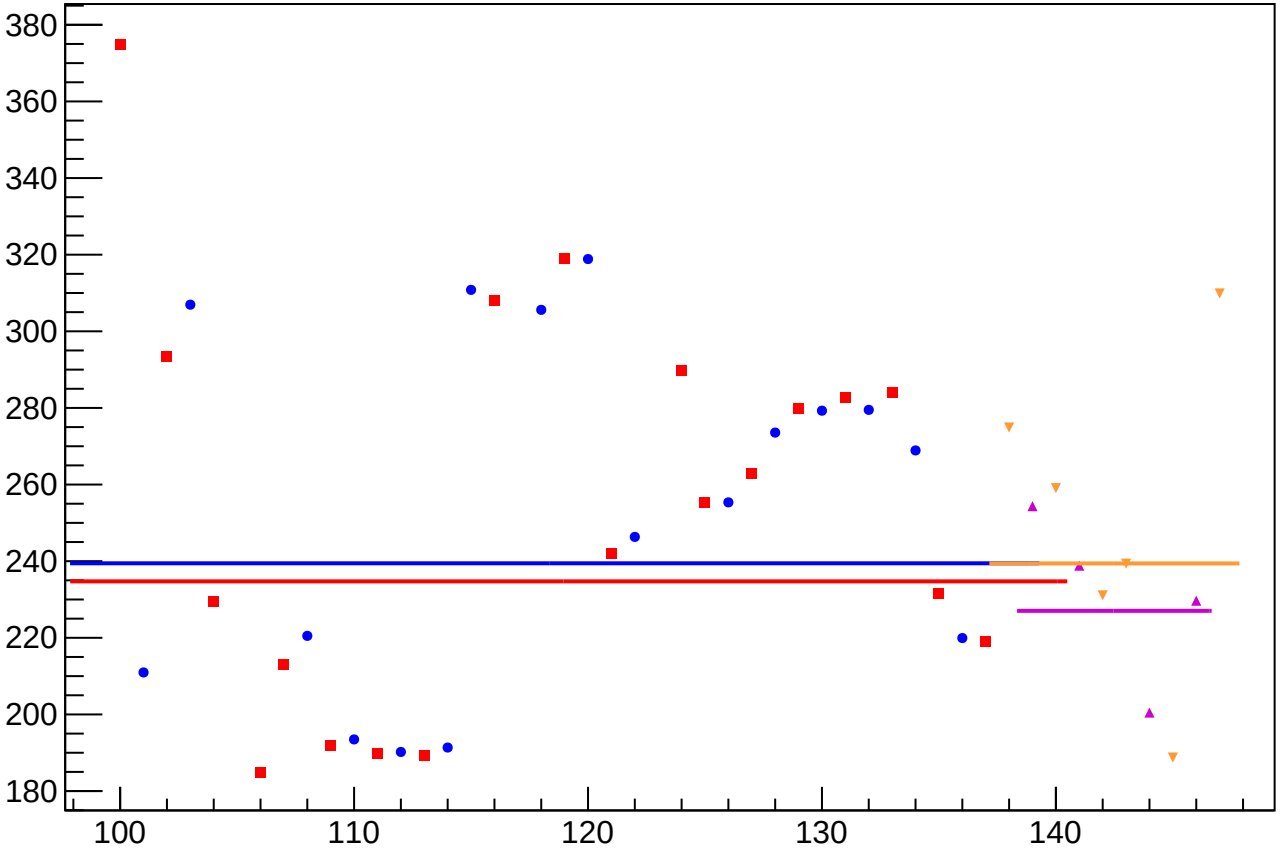
Left In: -194.124+/-121.998 χ^2/NDF:1.0/3

+ sign 124.548+/-71.063 χ^2/NDF: 29.6/21

All: -44.486+/-50.343 χ^2/NDF: 53.4/44

- sign -214.784+/-71.328 χ^2/NDF: 12.5/22

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

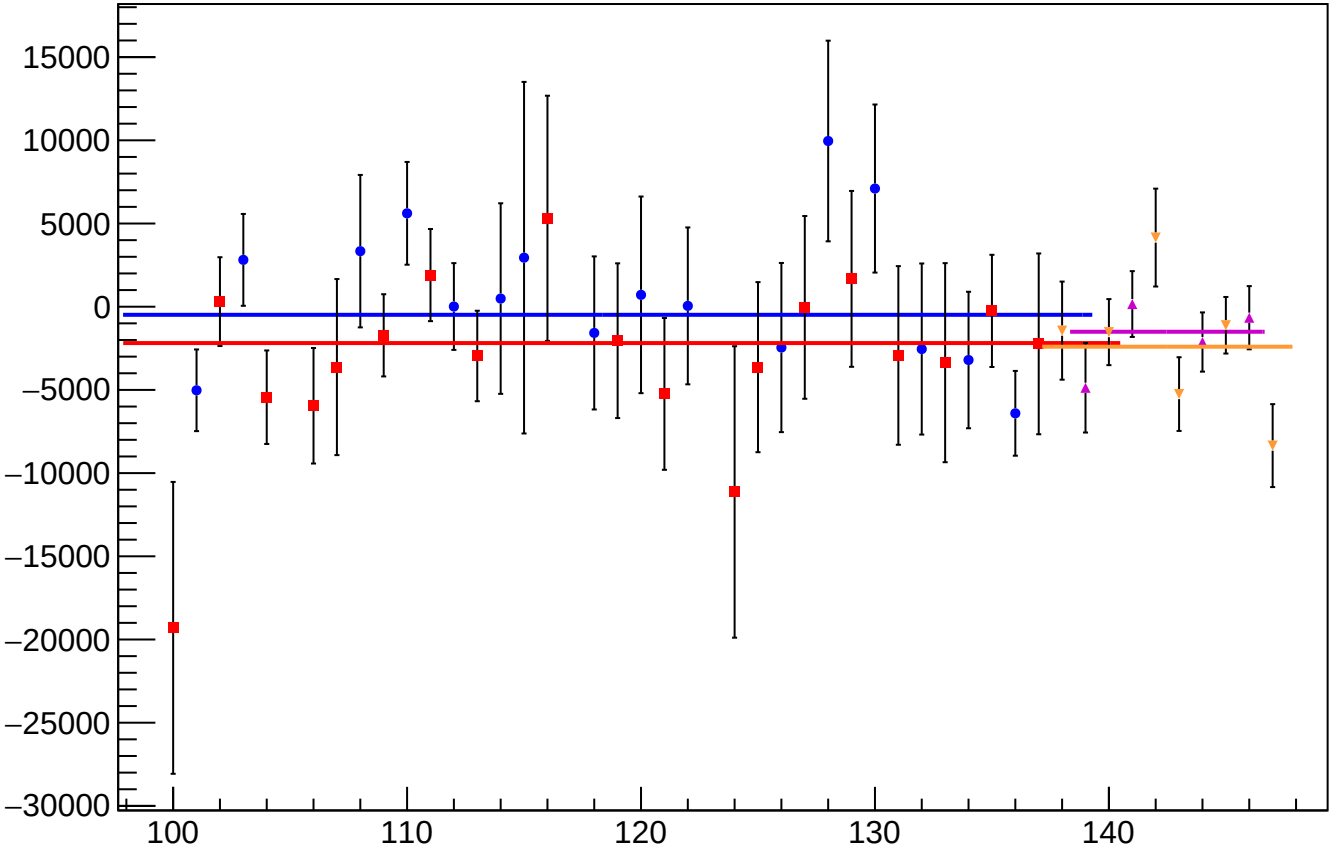
Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 239.436+/-0.050 χ^2/NDF: 638808.2/21

All: 235.783+/-0.036 χ^2/NDF: 1194787.6/44

- sign 232.103+/-0.050 χ^2/NDF: 545371.9/22

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

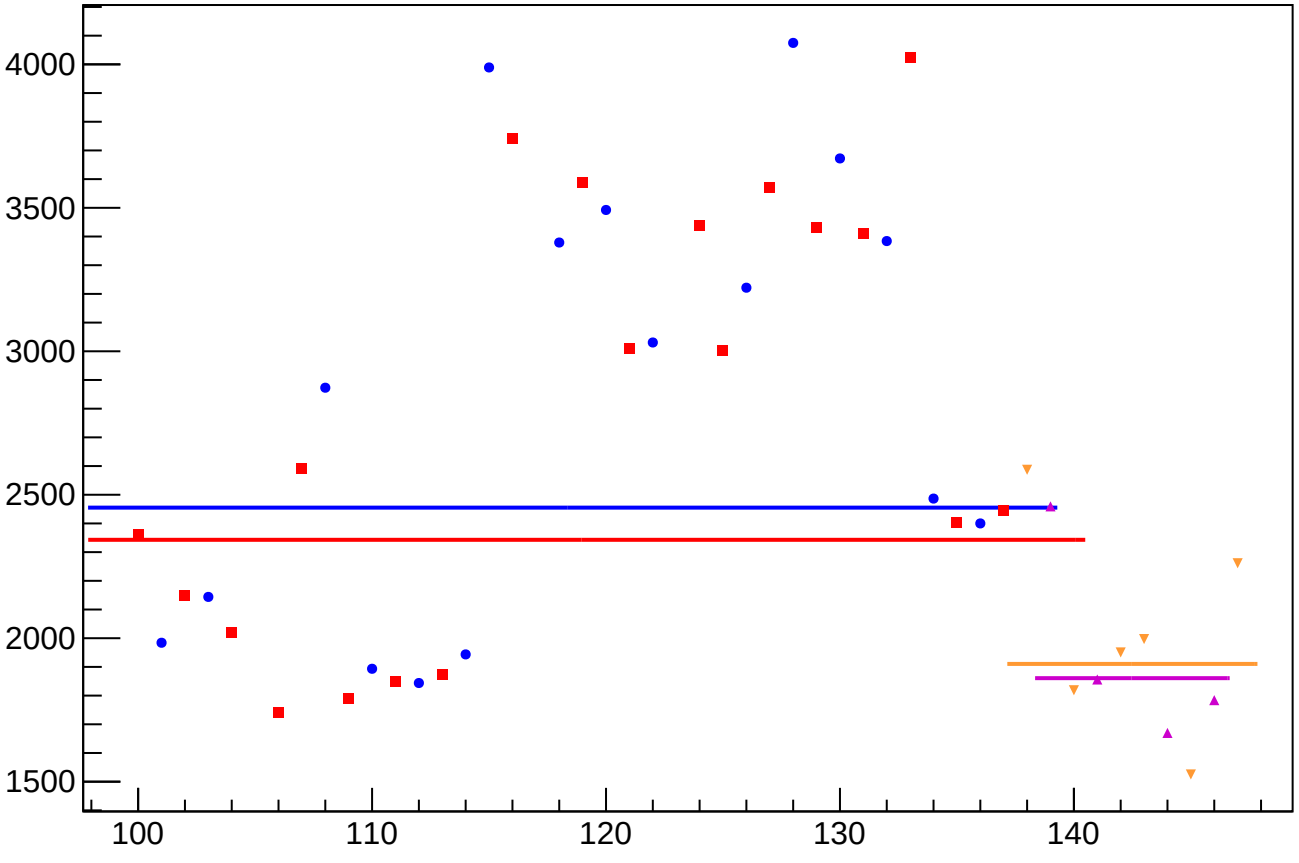
Left In: -1504.348+/-1006.575 χ^2/NDF:2.6/3

+ sign -1478.367+/-658.047 χ^2/NDF: 36.4/21

All: -1677.803+/-469.204 χ^2/NDF: 52.7/44

- sign -1884.058+/-669.203 χ^2/NDF: 16.1/22

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

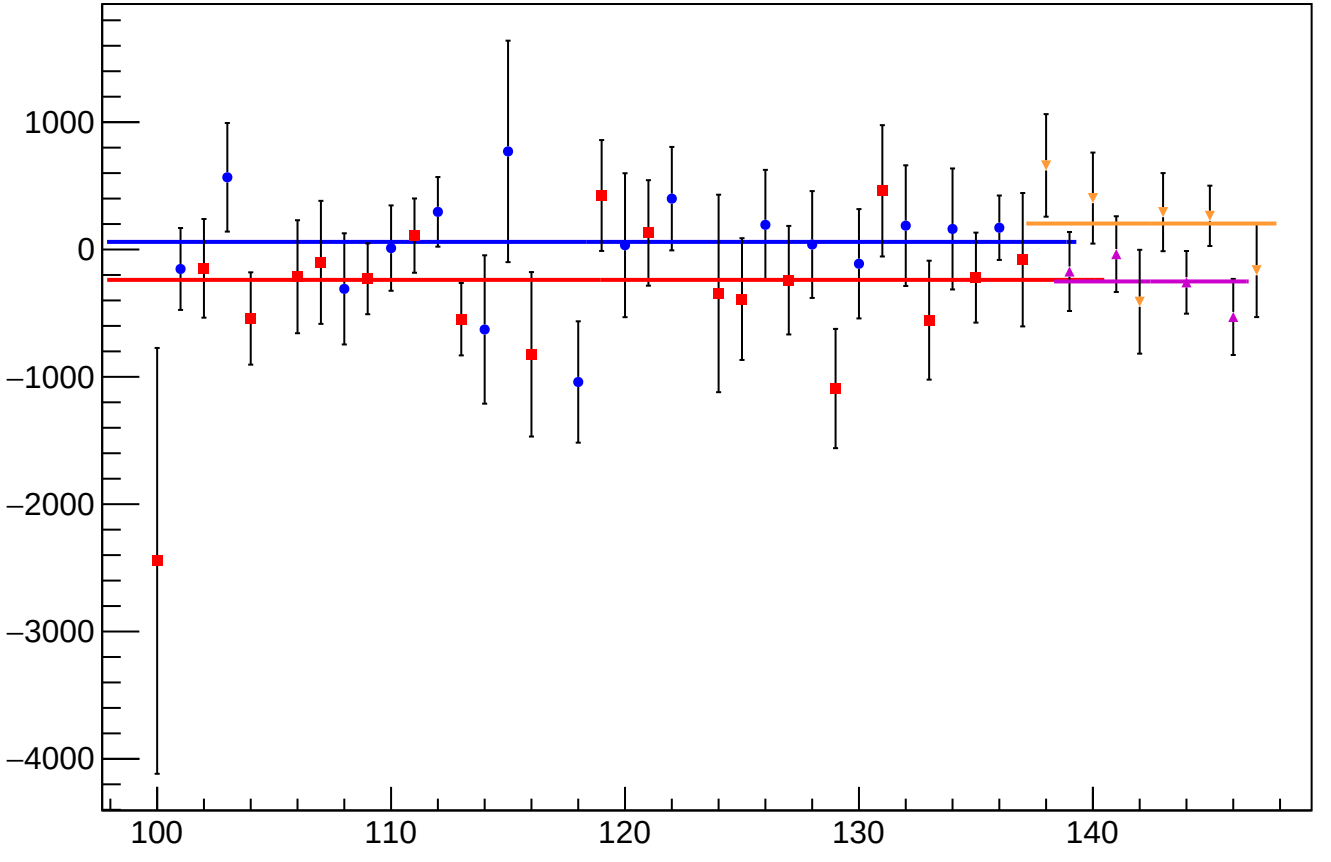
Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

+ sign 2173.168+/-0.465 χ^2/NDF: 1491989.1/21

All: 2151.865+/-0.332 χ^2/NDF: 2948018.8/44

- sign 2129.833+/-0.473 χ^2/NDF: 1451765.9/22

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.829 χ^2/NDF:5.0/5

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

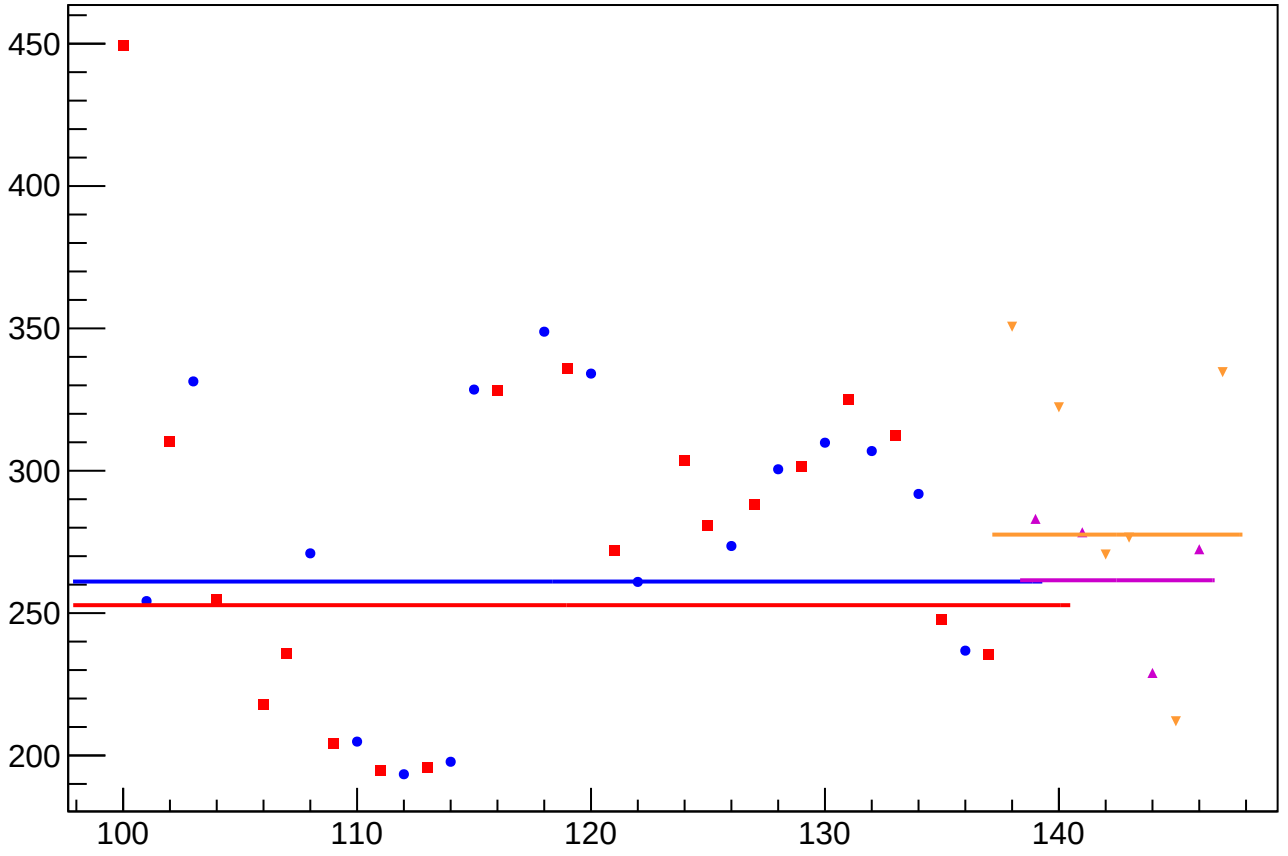
Left In: -250.823+/-142.241 χ^2/NDF:1.5/3

+ sign 110.900+/-79.709 χ^2/NDF: 17.8/21

All: -67.205+/-56.123 χ^2/NDF: 44.1/44

- sign -242.316+/-79.036 χ^2/NDF: 16.4/22

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 277.577+/-0.095 χ^2/NDF:298838.0/5

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

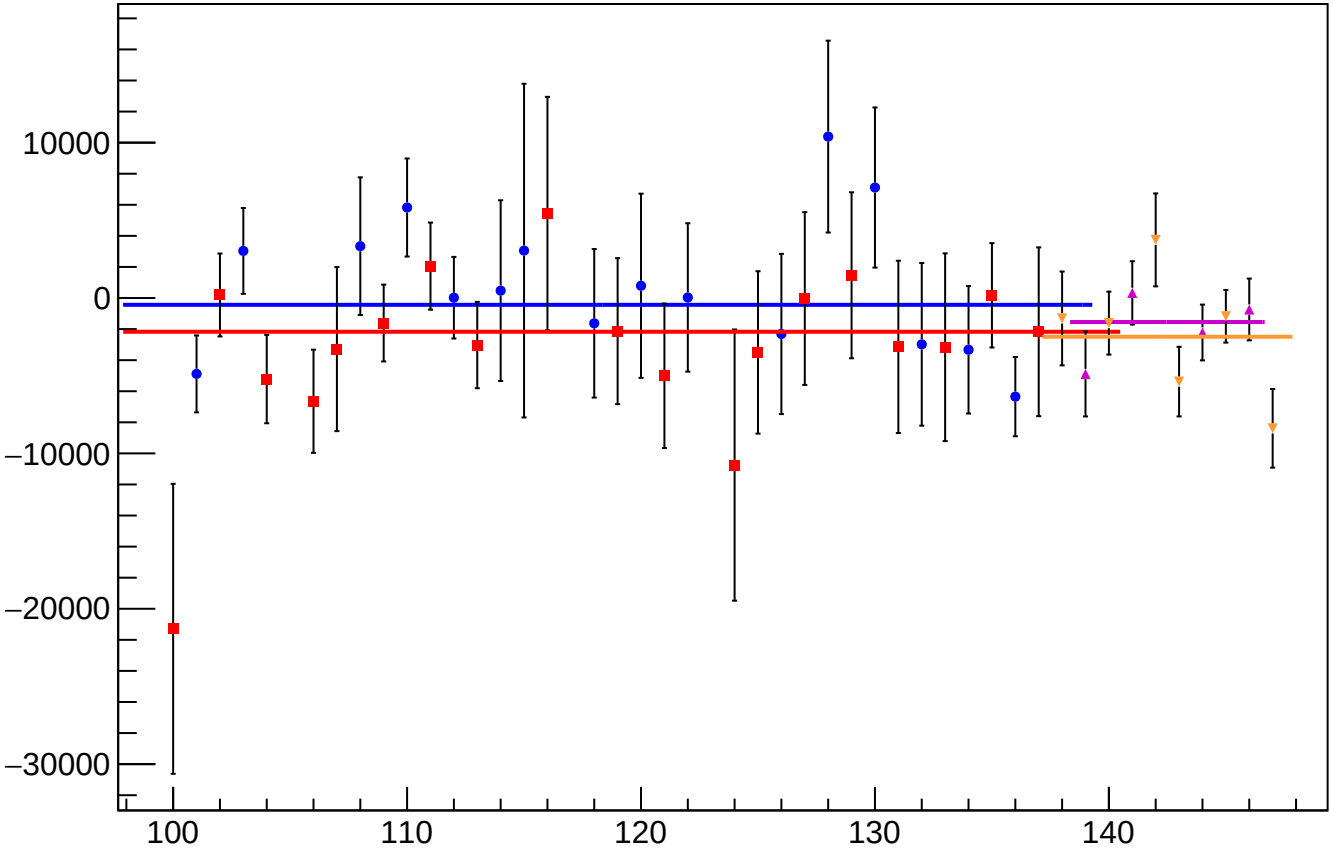
Left In: 261.532+/-0.101 χ^2/NDF:53743.9/3

+ sign 266.938+/-0.056 χ^2/NDF: 781089.5/21

All: 261.164+/-0.040 χ^2/NDF: 1398162.4/44

- sign 255.487+/-0.056 χ^2/NDF: 596260.0/22

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2490.553+/-925.219 χ^2/NDF:12.4/5

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

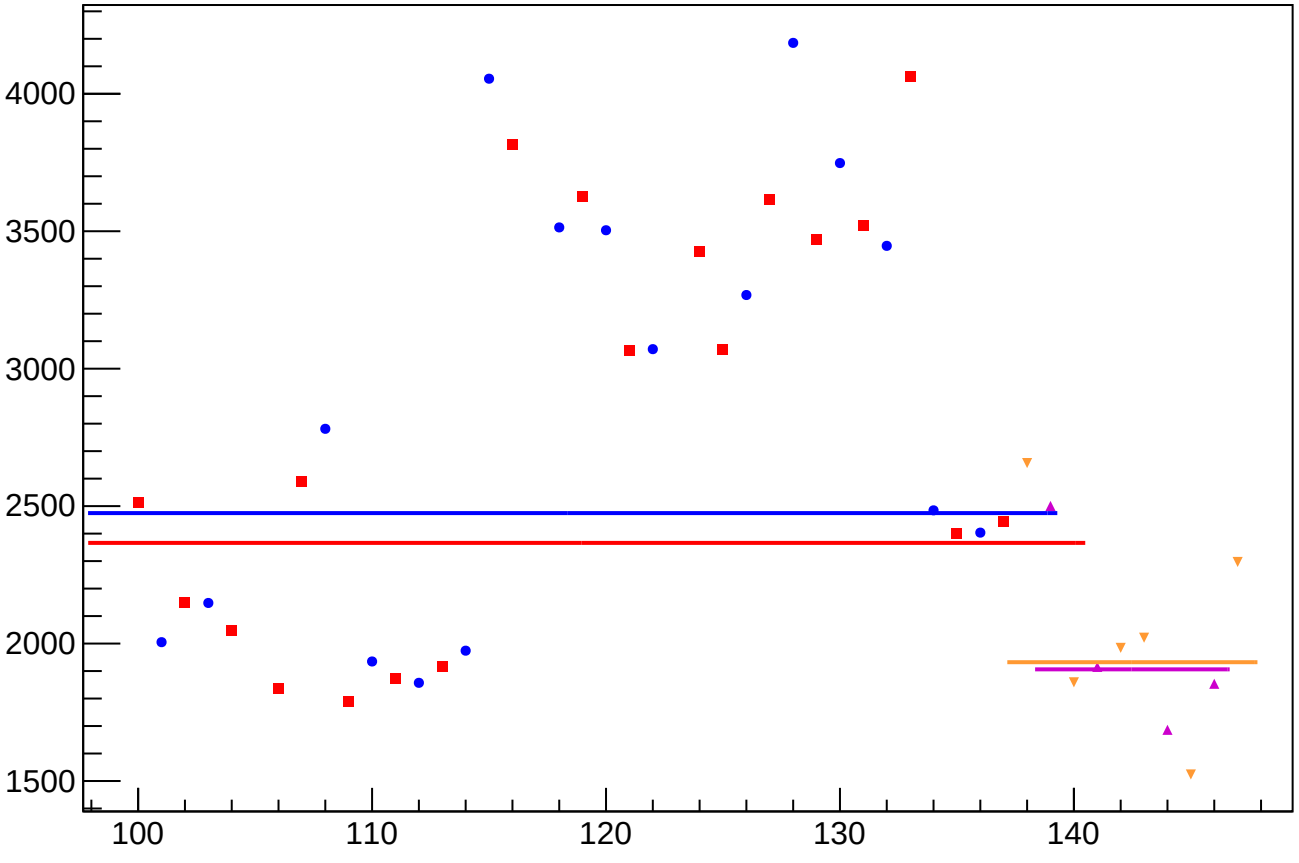
Left In: -1543.982+/-1032.683 χ^2/NDF:2.6/3

+ sign -1496.309+/-664.553 χ^2/NDF: 36.0/21

All: -1694.109+/-474.922 χ^2/NDF: 53.0/44

- sign -1900.578+/-678.961 χ^2/NDF: 16.8/22

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1932.200+/-0.654 χ^2/NDF:279141.1/5

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

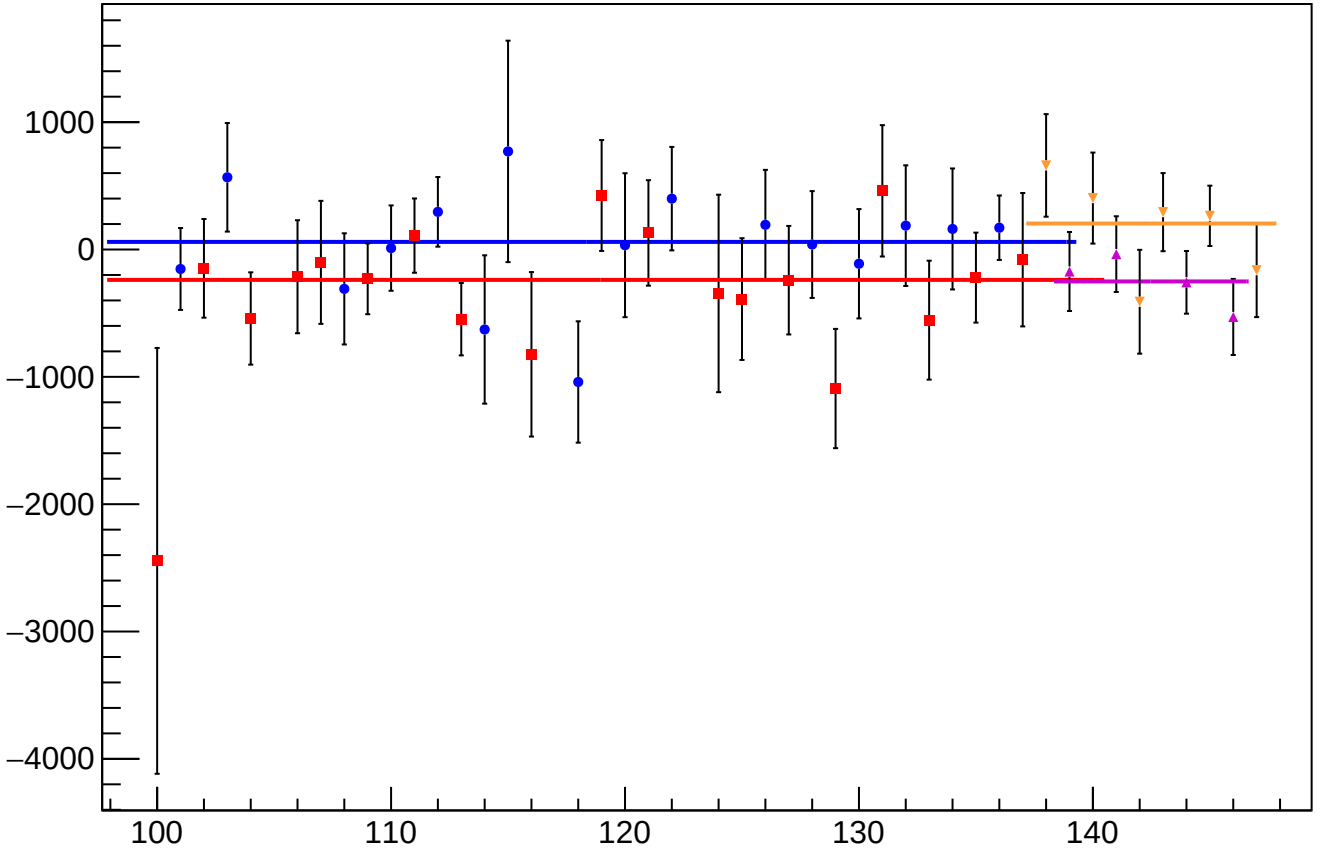
Left In: 1906.167+/-0.730 χ^2/NDF:125833.4/3

+ sign 2194.784+/-0.470 χ^2/NDF: 1528163.6/21

All: 2181.363+/-0.336 χ^2/NDF: 2958188.7/44

- sign 2167.353+/-0.480 χ^2/NDF: 1428357.8/22

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.830 χ^2/NDF:5.0/5

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

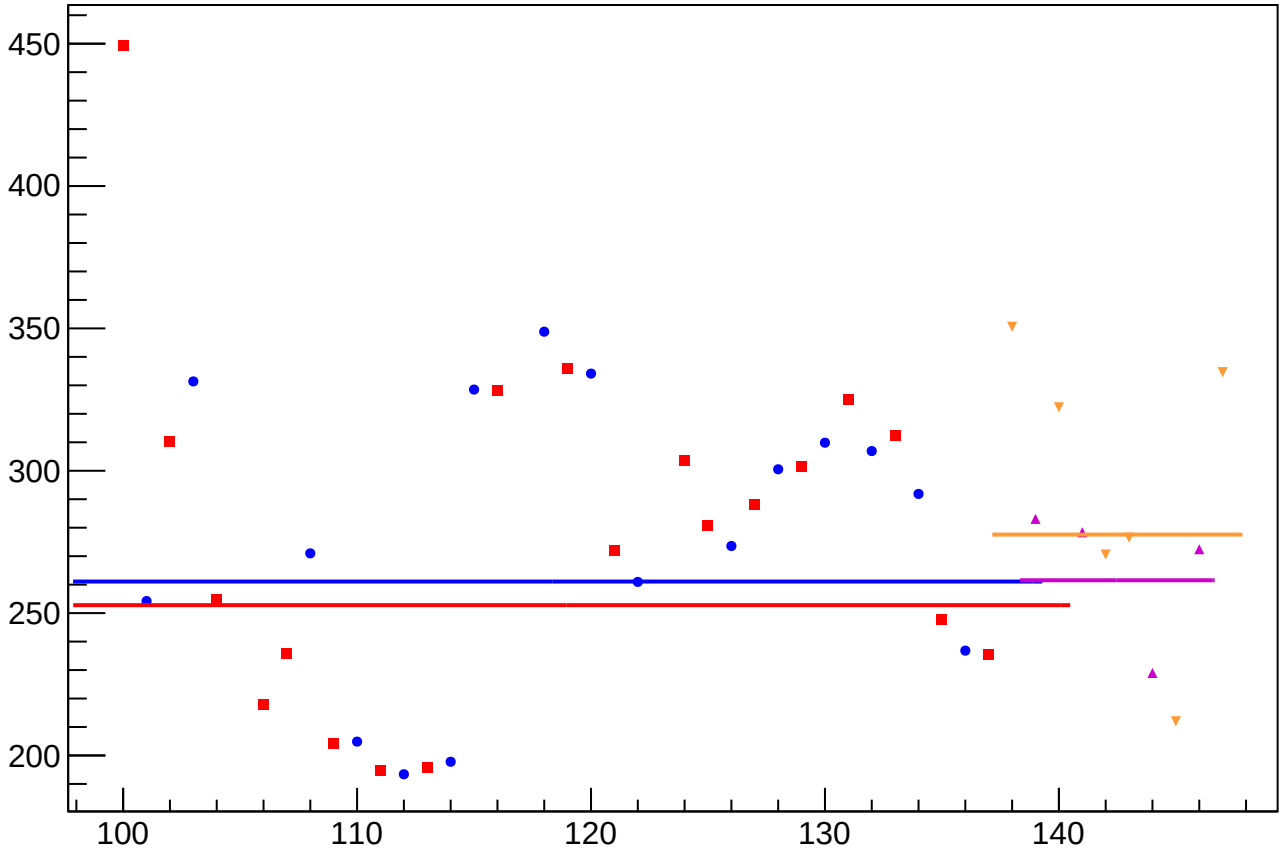
Left In: -250.823+/-142.241 χ^2/NDF:1.5/3

+ sign 110.903+/-79.709 χ^2/NDF: 17.8/21

All: -67.203+/-56.123 χ^2/NDF: 44.1/44

- sign -242.315+/-79.036 χ^2/NDF: 16.4/22

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 277.578+/-0.095 χ^2/NDF:298833.3/5

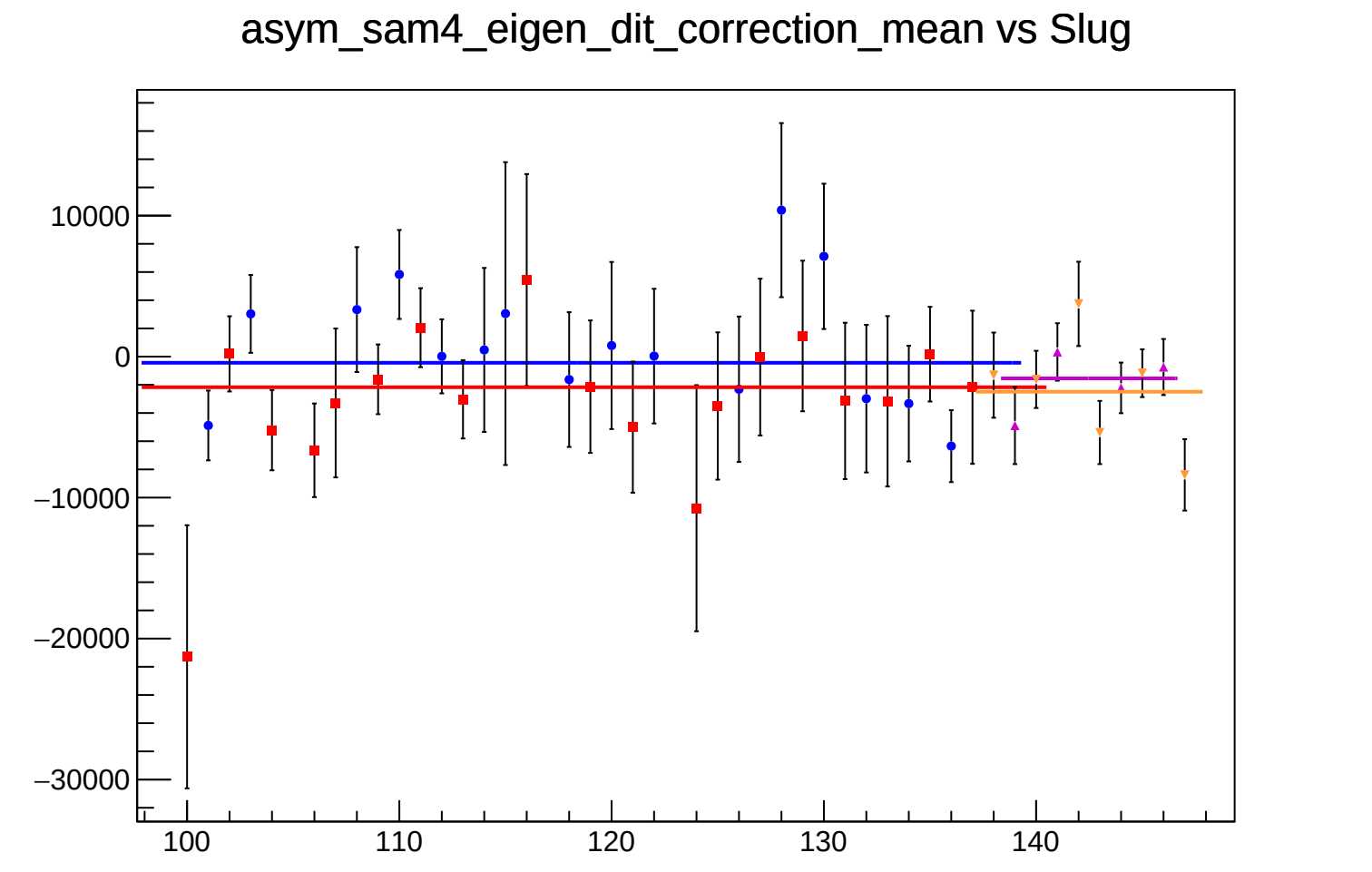
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 261.533+/-0.101 χ^2/NDF:53742.7/3

+ sign 266.938+/-0.056 χ^2/NDF: 781088.9/21

All: 261.164+/-0.040 χ^2/NDF: 1398164.7/44

- sign 255.487+/-0.056 χ^2/NDF: 596262.6/22



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2490.550+/-925.218 χ^2/NDF:12.4/5

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

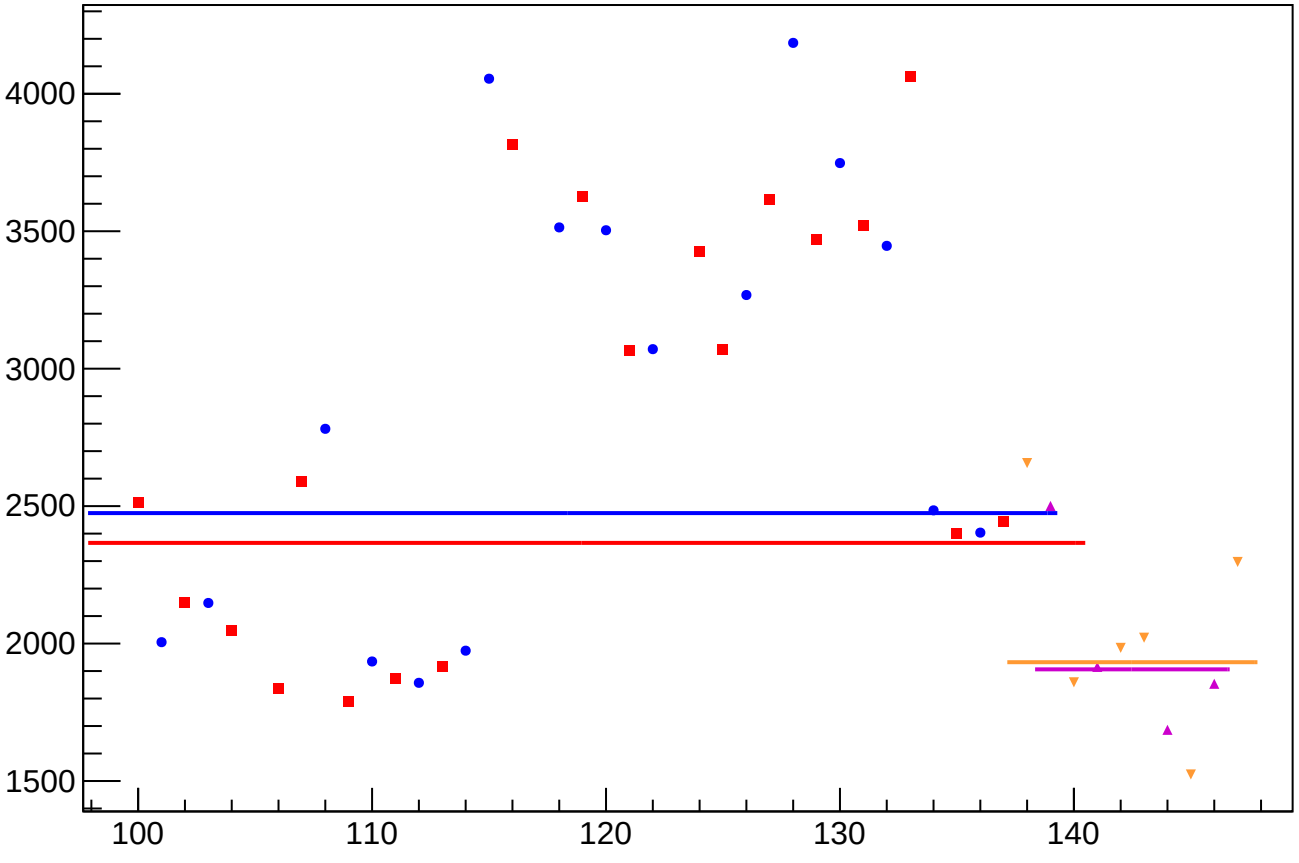
Left In: -1543.982+/-1032.682 χ^2/NDF:2.6/3

+ sign -1496.308+/-664.552 χ^2/NDF: 36.0/21

All: -1694.107+/-474.921 χ^2/NDF: 53.0/44

- sign -1900.577+/-678.960 χ^2/NDF: 16.8/22

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1932.197+/-0.654 χ^2/NDF:279143.9/5

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

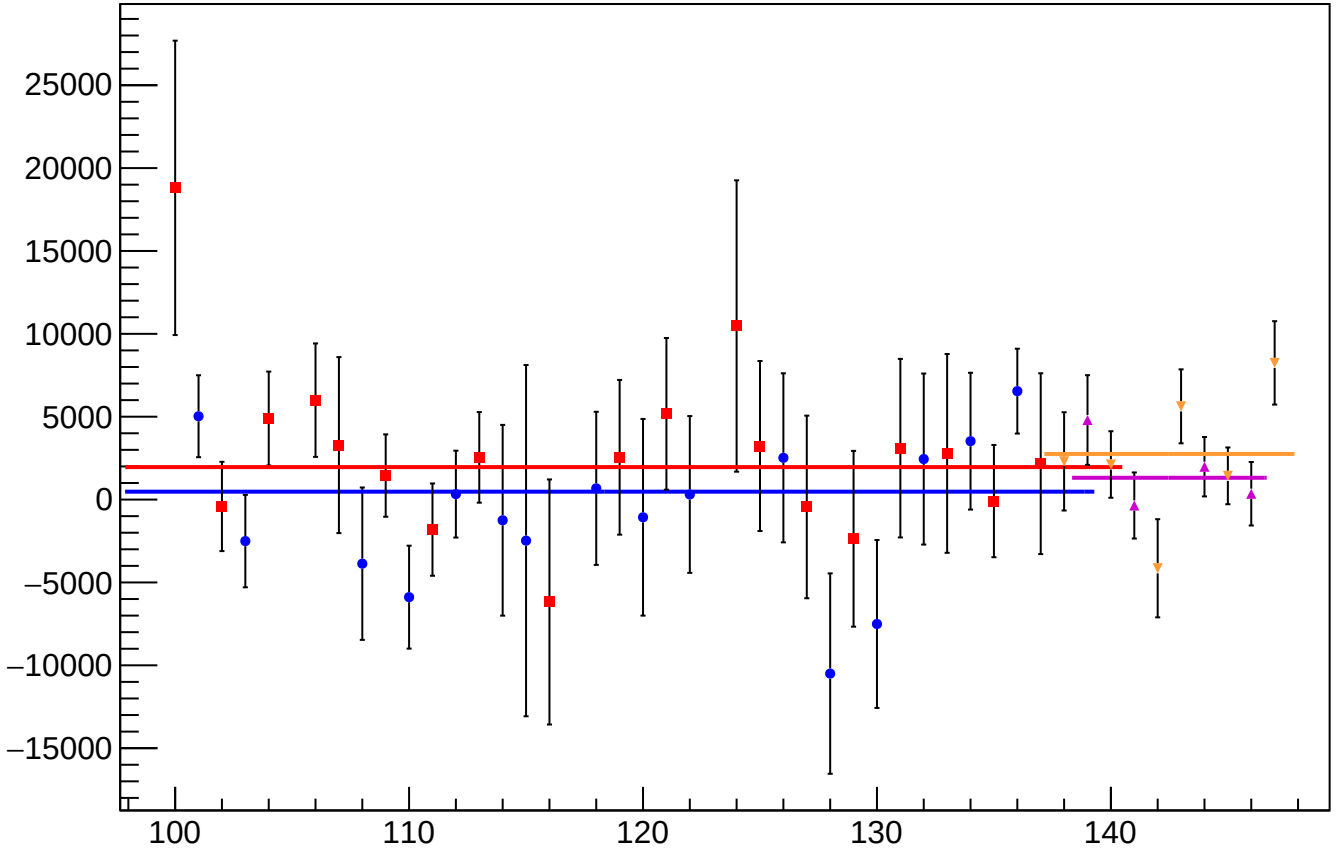
Left In: 1906.166+/-0.730 χ^2/NDF:125833.2/3

+ sign 2194.781+/-0.470 χ^2/NDF: 1528172.1/21

All: 2181.361+/-0.336 χ^2/NDF: 2958198.9/44

- sign 2167.352+/-0.480 χ^2/NDF: 1428359.7/22

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2752.421+/-922.137 χ^2/NDF:12.6/5

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

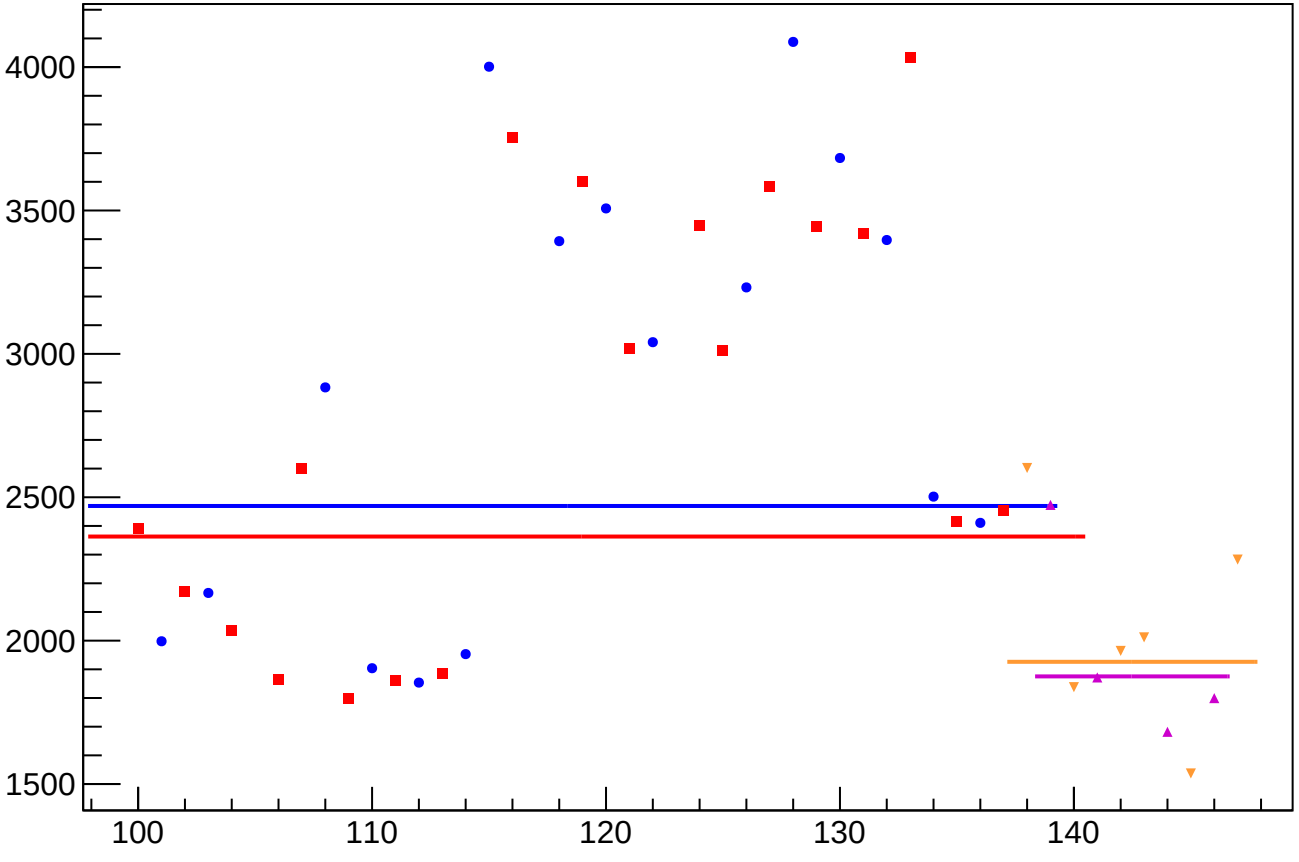
Left In: 1315.569+/-1014.307 χ^2/NDF:2.8/3

+ sign 1651.994+/-662.608 χ^2/NDF: 37.6/21

All: 1663.783+/-472.191 χ^2/NDF: 53.4/44

- sign 1675.948+/-673.073 χ^2/NDF: 15.8/22

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1926.221+/-0.652 χ^2/NDF:254564.8/5

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

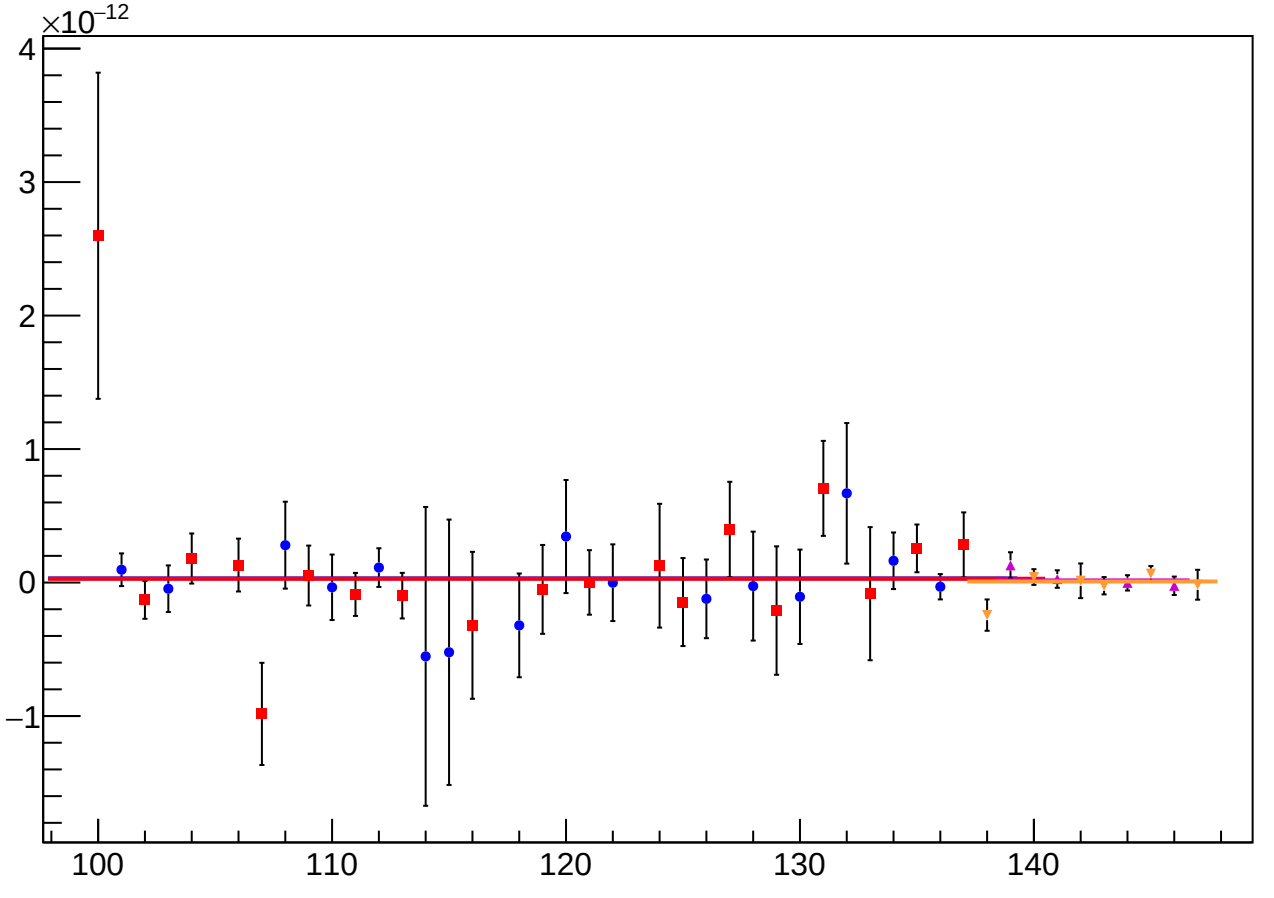
Left In: 1875.358+/-0.717 χ^2/NDF:124060.2/3

+ sign 2189.059+/-0.469 χ^2/NDF: 1476683.6/21

All: 2169.000+/-0.334 χ^2/NDF: 2906582.3/44

- sign 2148.302+/-0.476 χ^2/NDF: 1426174.6/22

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:6.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

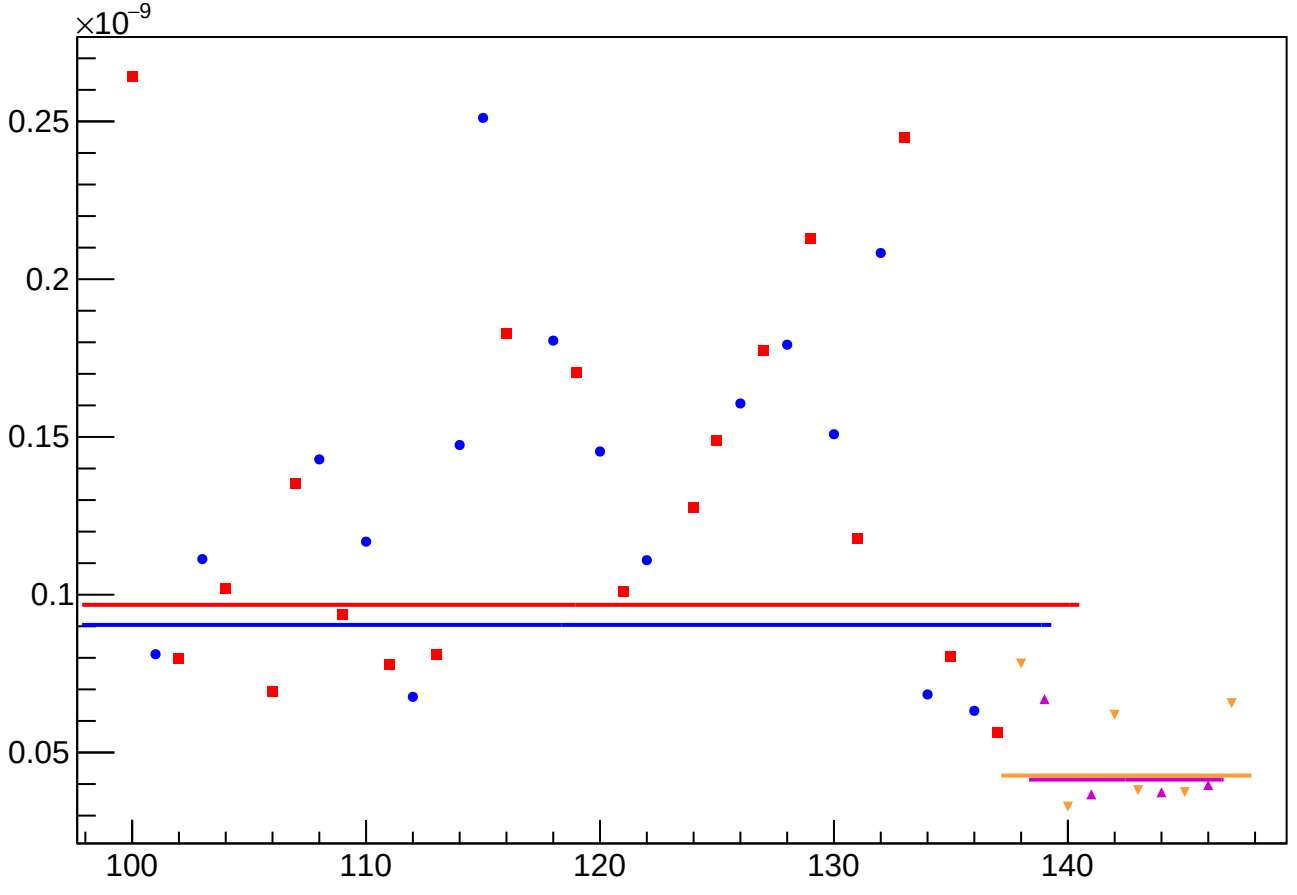
Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 12.5/21

All: 0.000+/-0.000 χ^2/NDF: 37.6/44

- sign 0.000+/-0.000 χ^2/NDF: 25.0/22

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:394080.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

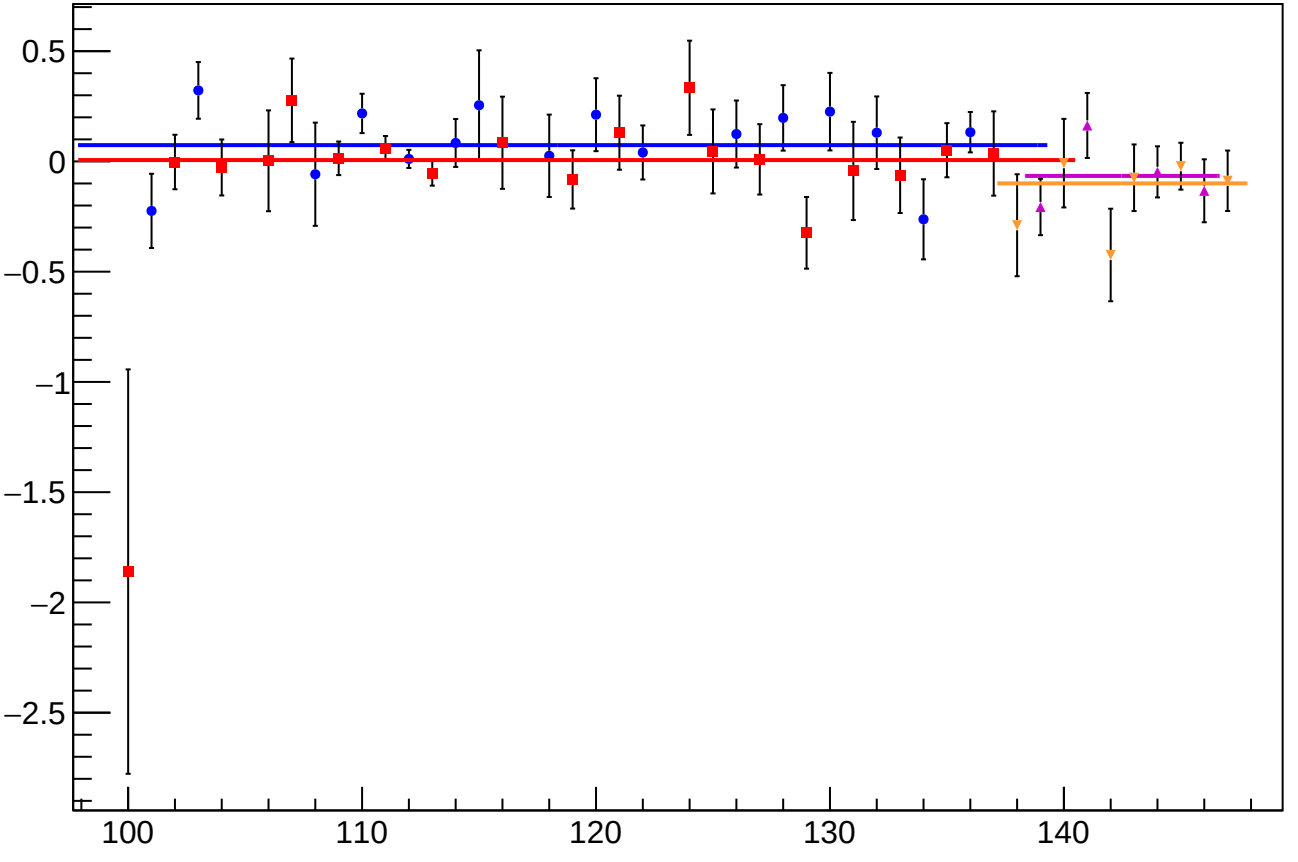
Left In: 0.000+/-0.000 χ^2/NDF:156348.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2545716.8/21

All: 0.000+/-0.000 χ^2/NDF: 4982039.9/44

- sign 0.000+/-0.000 χ^2/NDF: 2433301.3/22

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

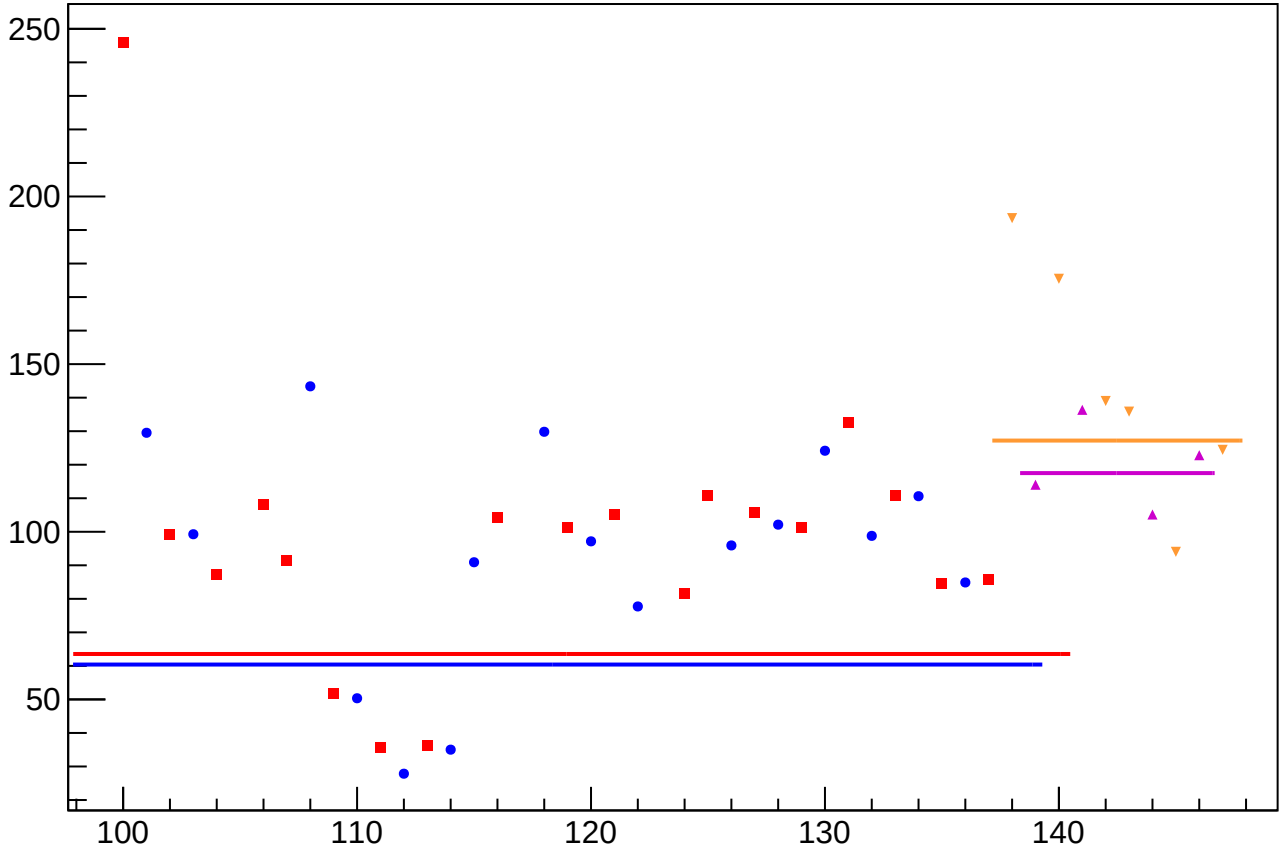
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.021+/-0.018 χ^2/NDF: 52.6/44

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

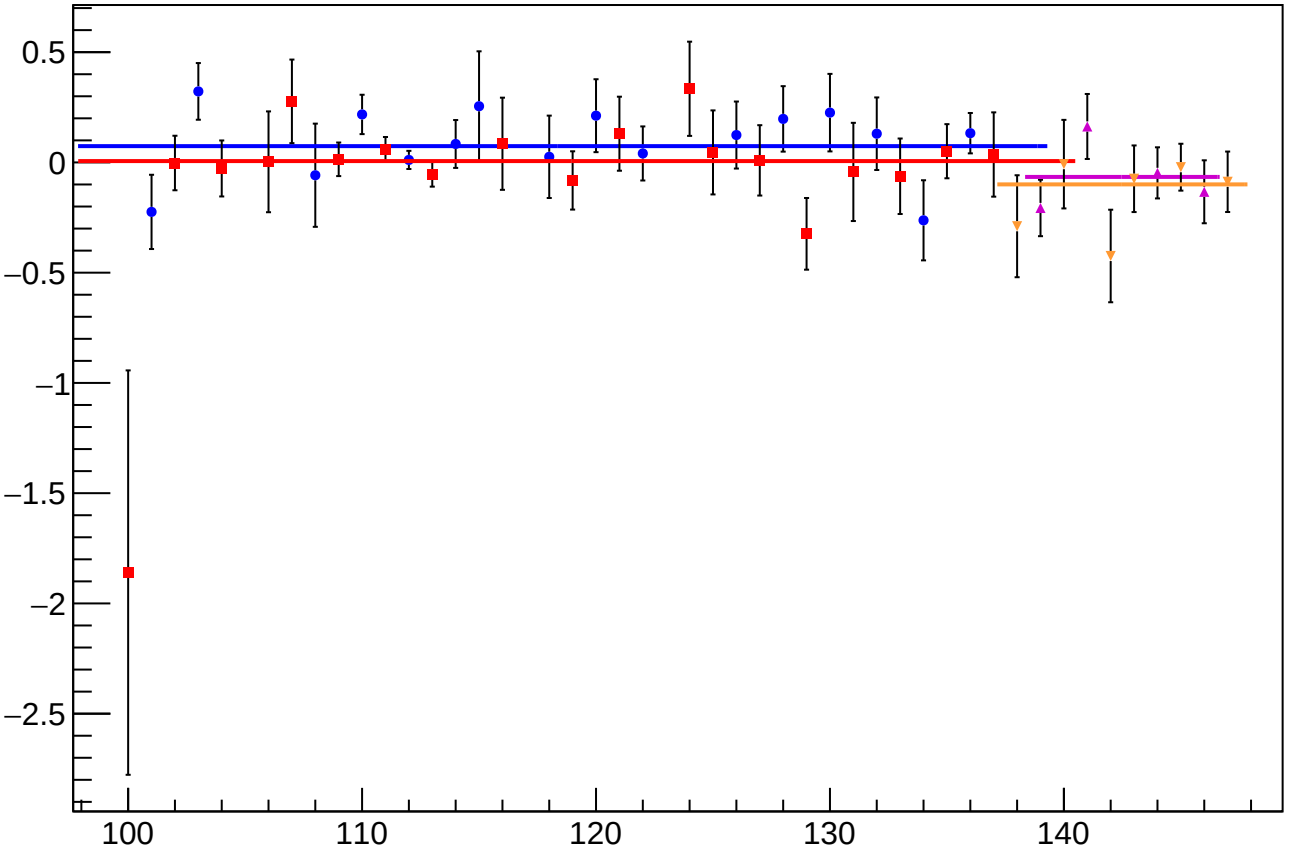
Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

+ sign 70.767+/-0.018 χ^2/NDF: 5924945.1/21

All: 70.999+/-0.012 χ^2/NDF: 9790533.1/44

- sign 71.232+/-0.018 χ^2/NDF: 3865238.4/22

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

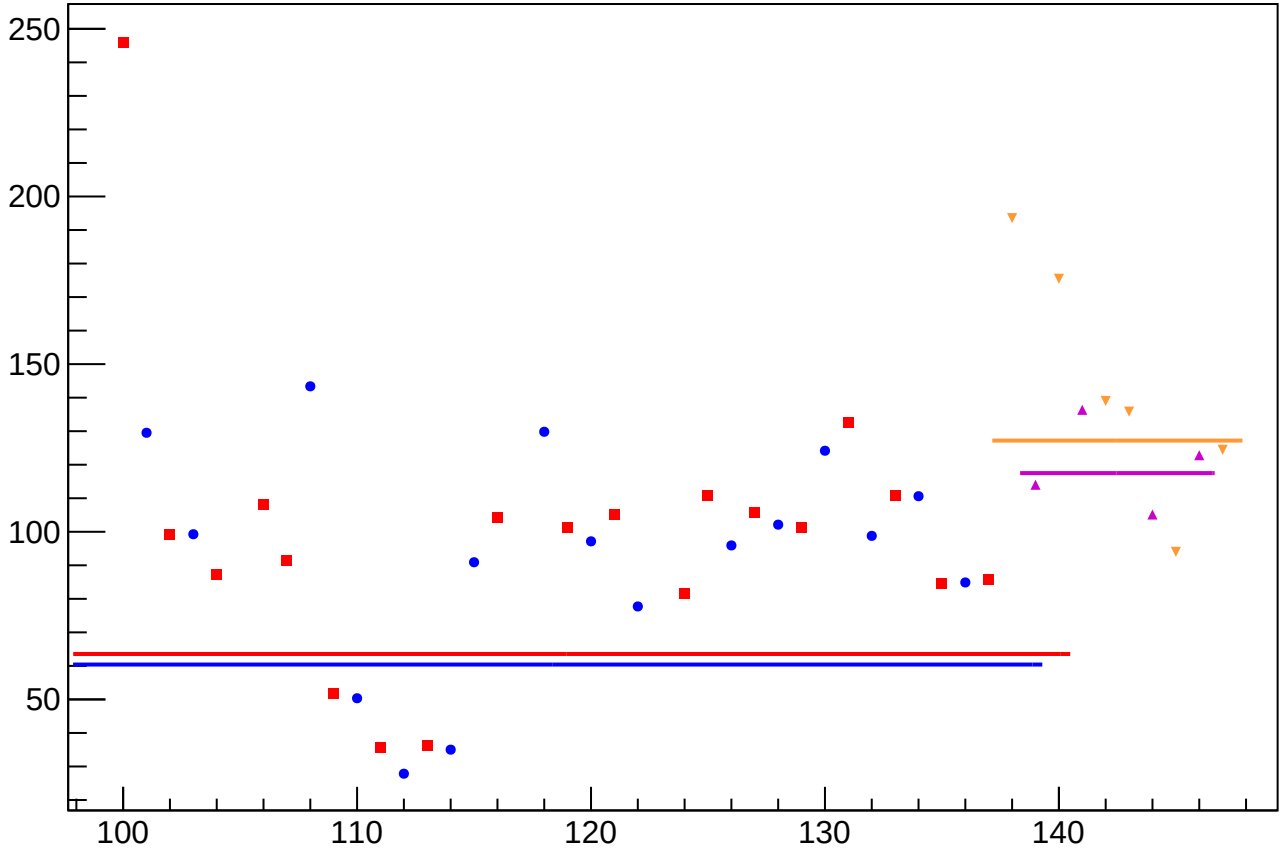
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.021+/-0.018 χ^2/NDF: 52.6/44

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

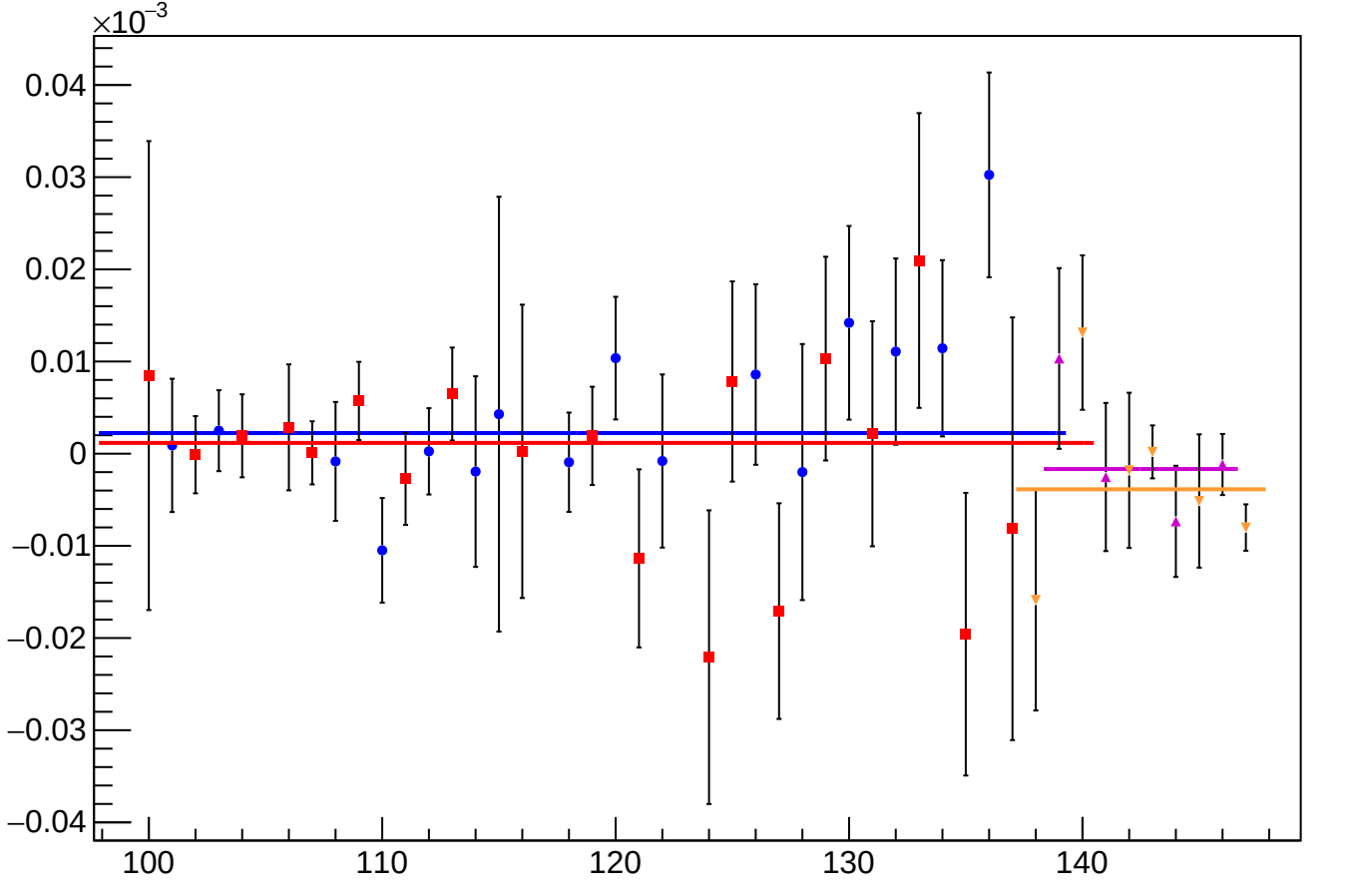
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

+ sign 70.767+/-0.018 χ^2/NDF: 5924945.1/21

All: 70.999+/-0.012 χ^2/NDF: 9790533.1/44

- sign 71.232+/-0.018 χ^2/NDF: 3865238.4/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

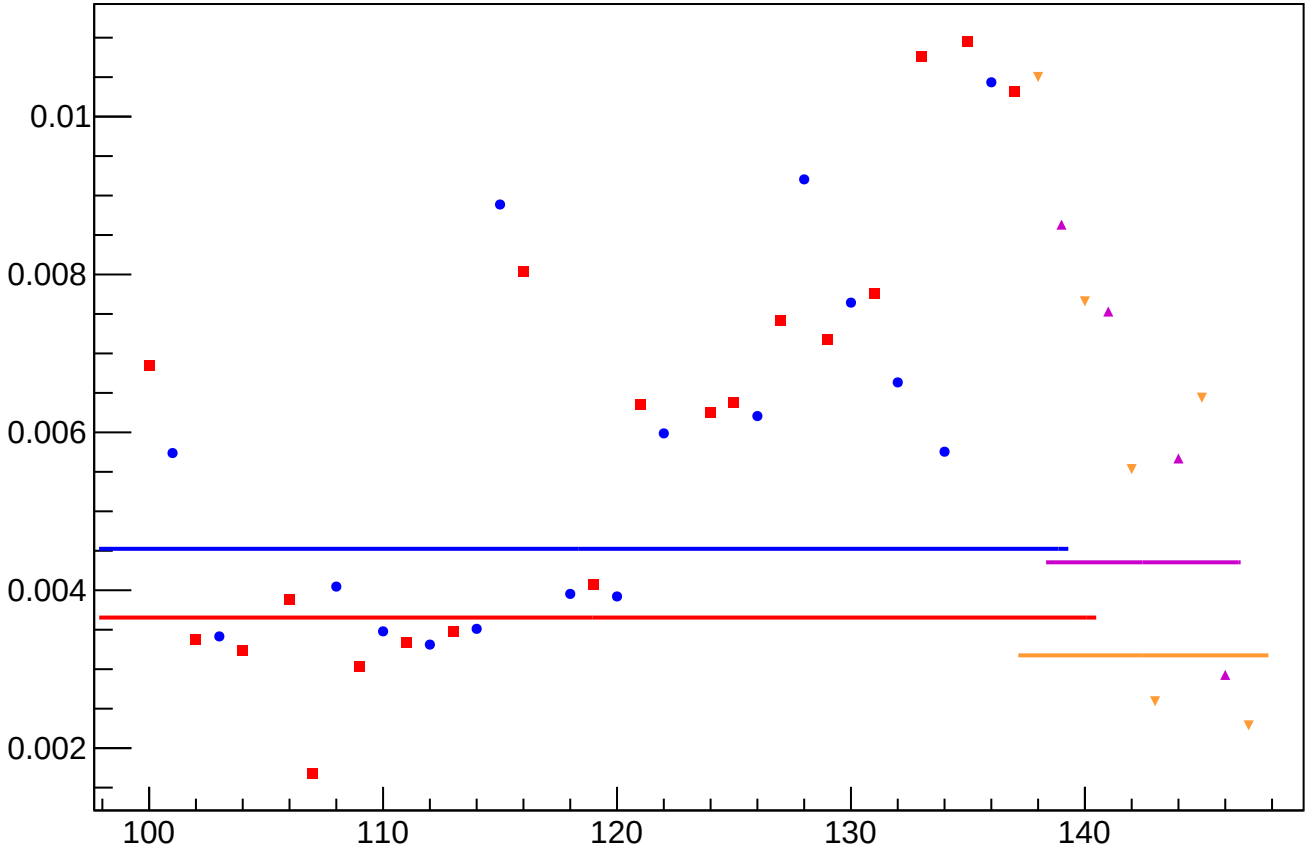
Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/21

All: -0.000+/-0.000 χ^2/NDF: 51.3/44

- sign 0.000+/-0.000 χ^2/NDF: 17.4/22

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2215799.5/5

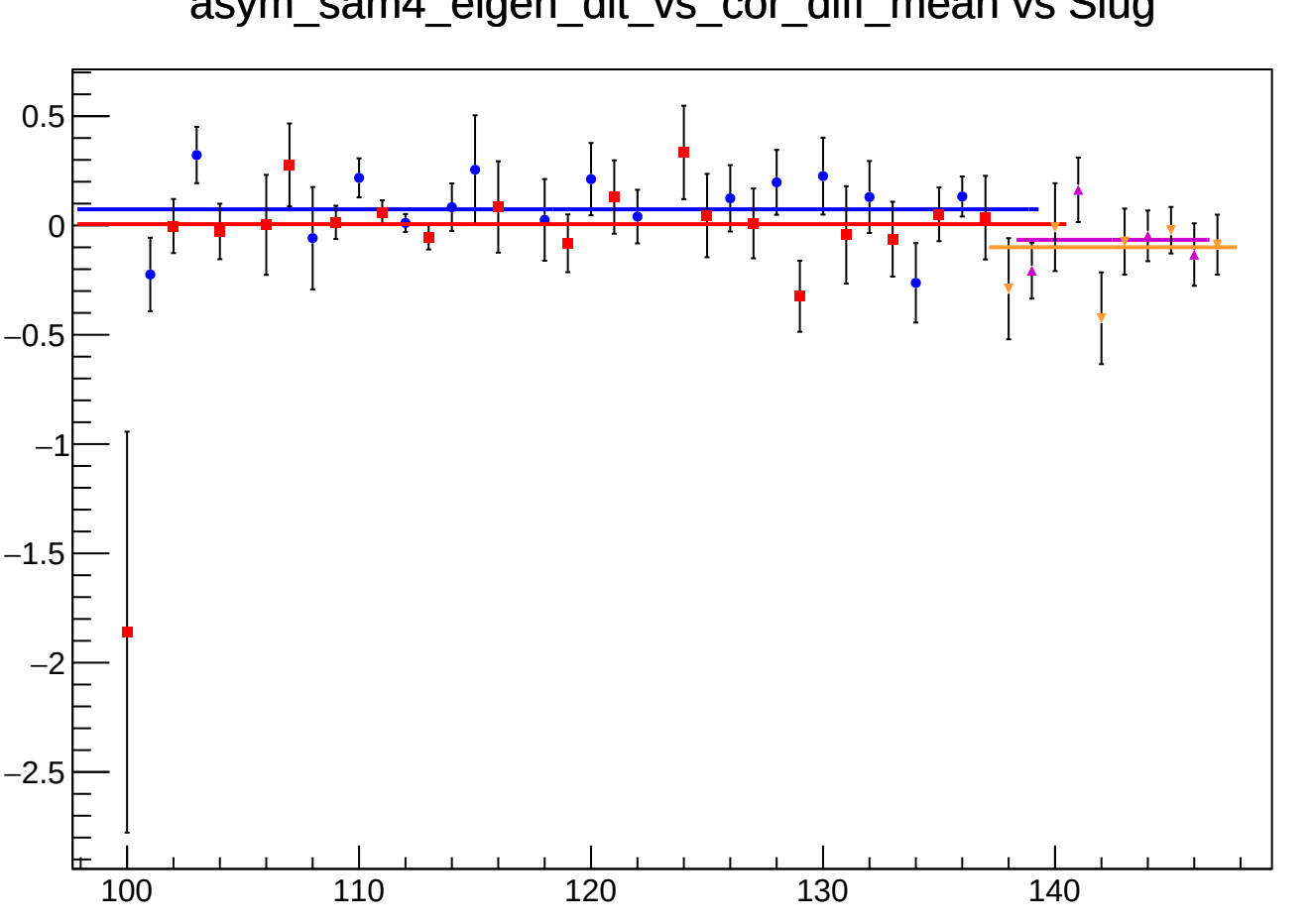
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1159474.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 4517337.8/21

All: 0.004+/-0.000 χ^2/NDF: 8716867.0/44

- sign 0.004+/-0.000 χ^2/NDF: 4199506.8/22



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

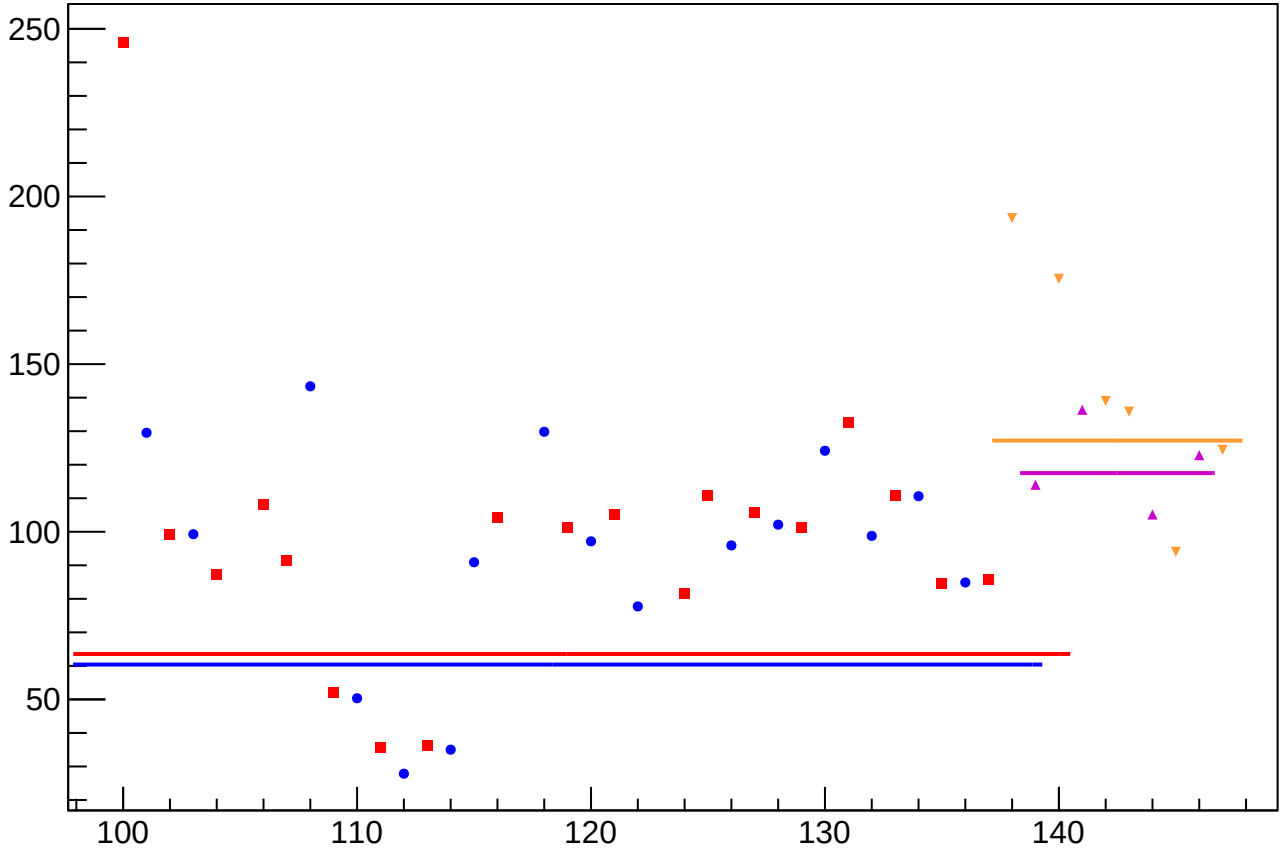
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.021+/-0.018 χ^2/NDF: 52.6/44

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

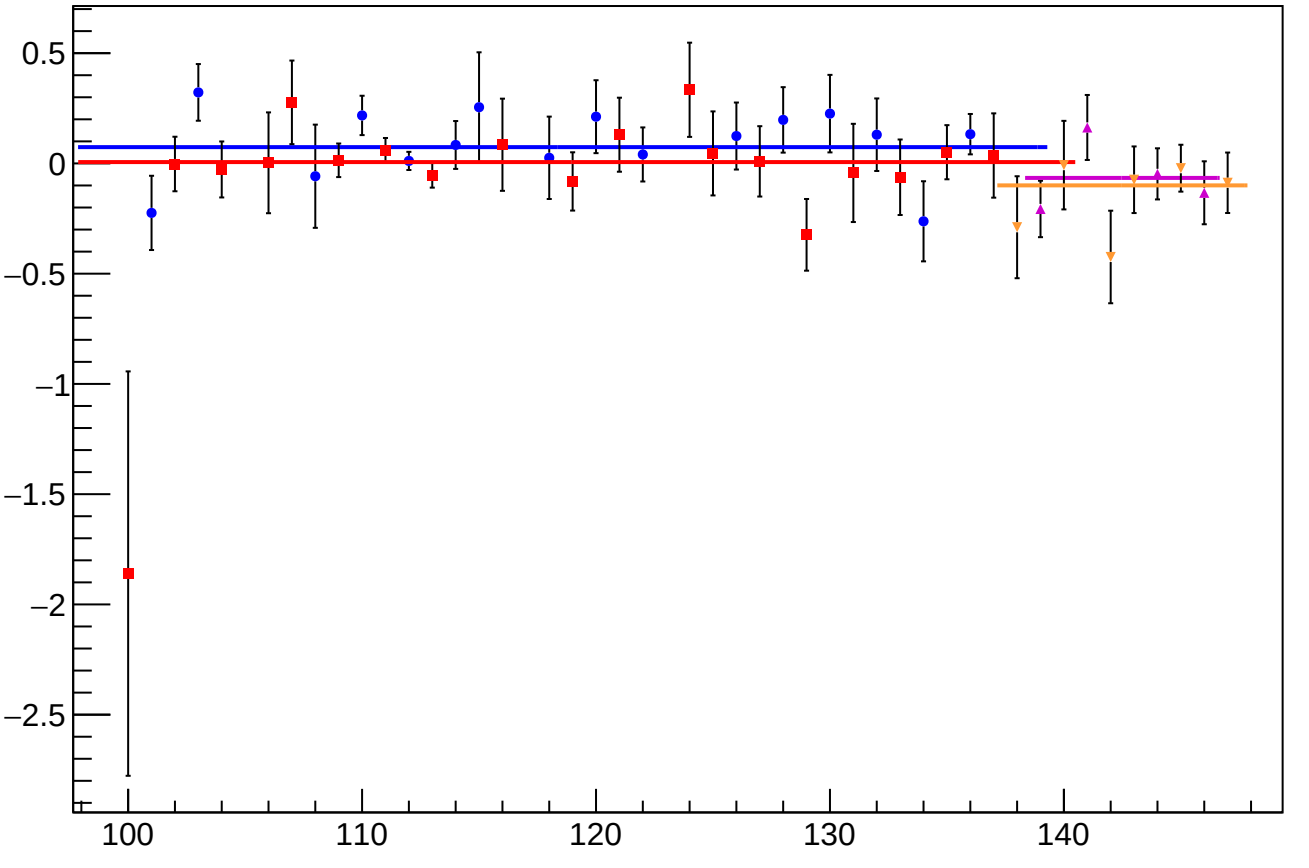
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

+ sign 70.765+/-0.018 χ^2/NDF: 5925358.3/21

All: 70.997+/-0.012 χ^2/NDF: 9791329.4/44

- sign 71.230+/-0.018 χ^2/NDF: 3865621.1/22



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

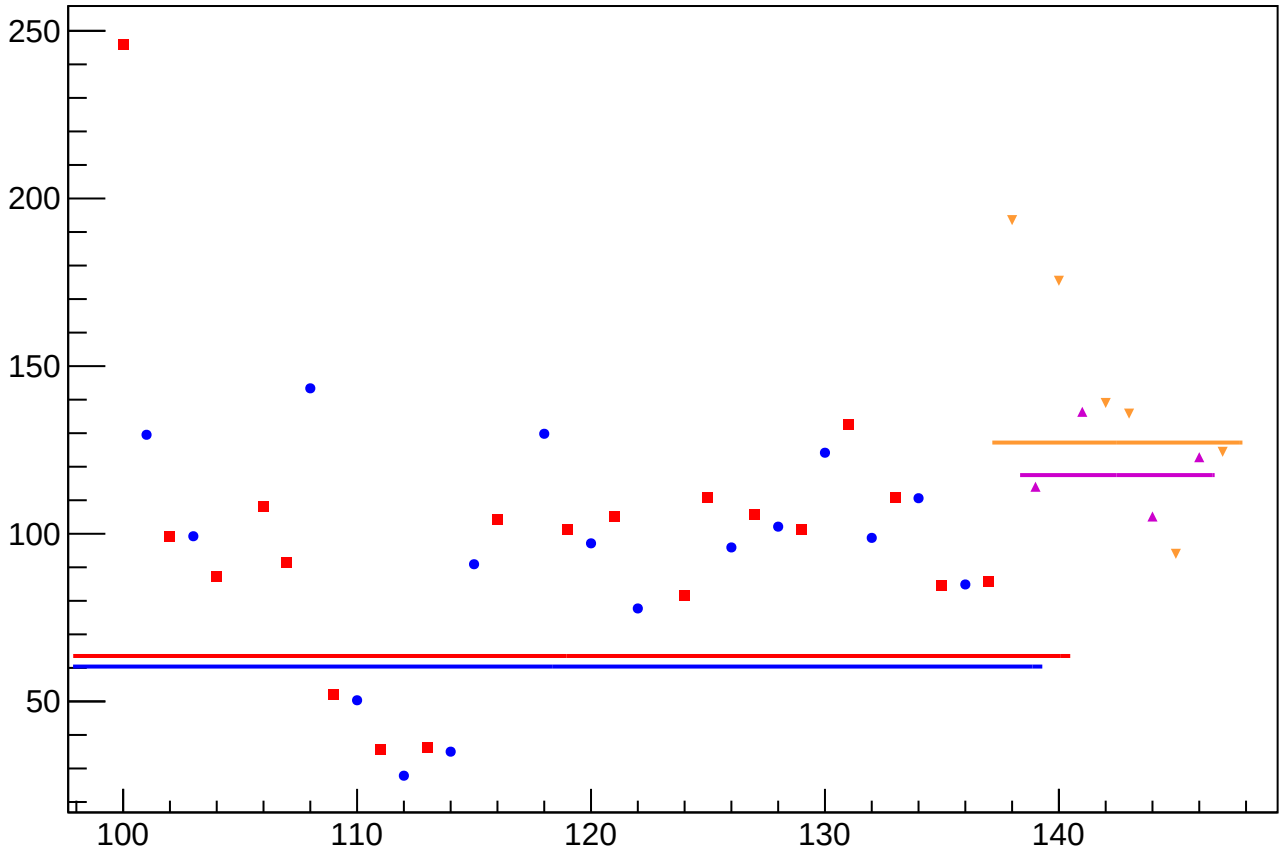
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.021+/-0.018 χ^2/NDF: 52.6/44

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

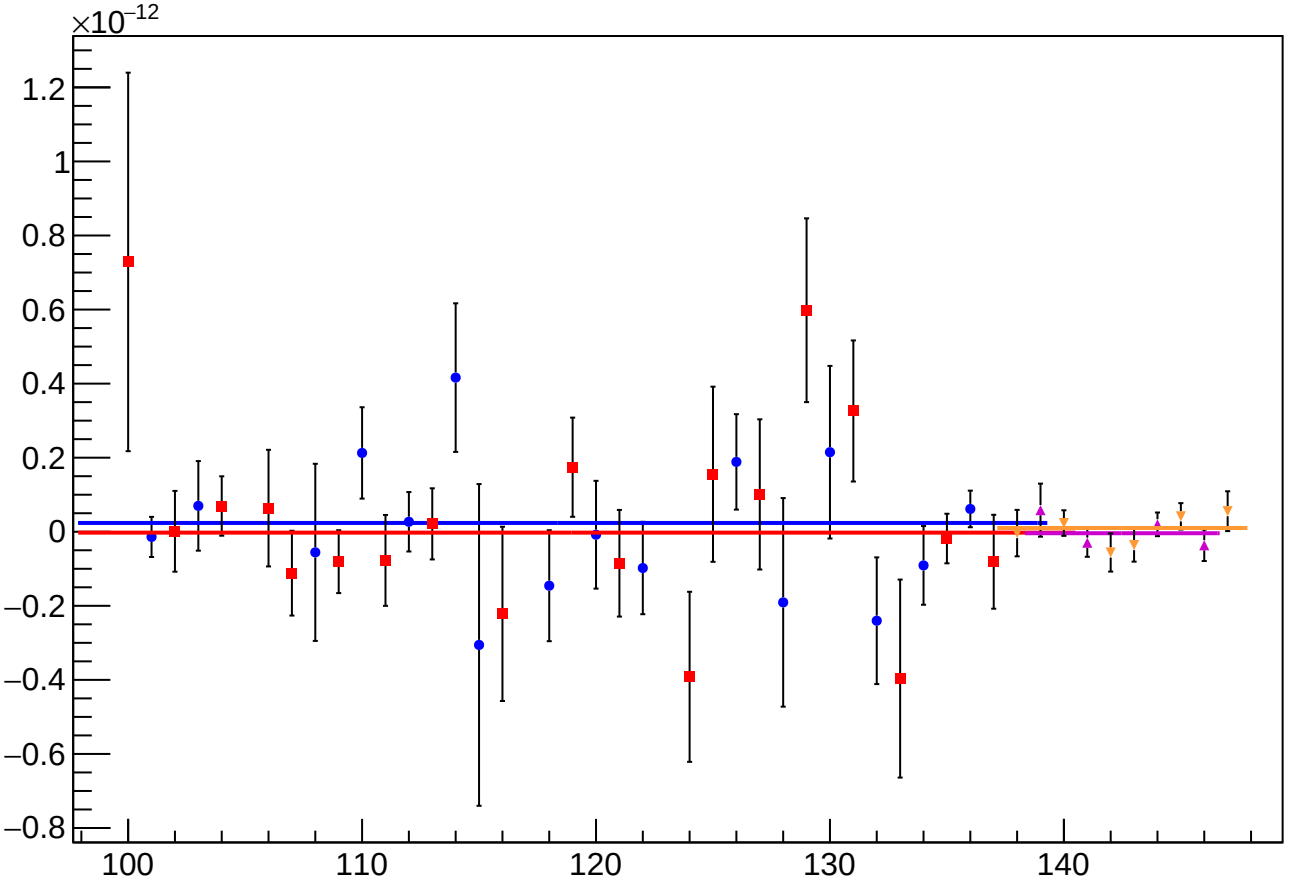
Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

+ sign 70.765+/-0.018 χ^2/NDF: 5925358.3/21

All: 70.997+/-0.012 χ^2/NDF: 9791329.4/44

- sign 71.230+/-0.018 χ^2/NDF: 3865621.1/22

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

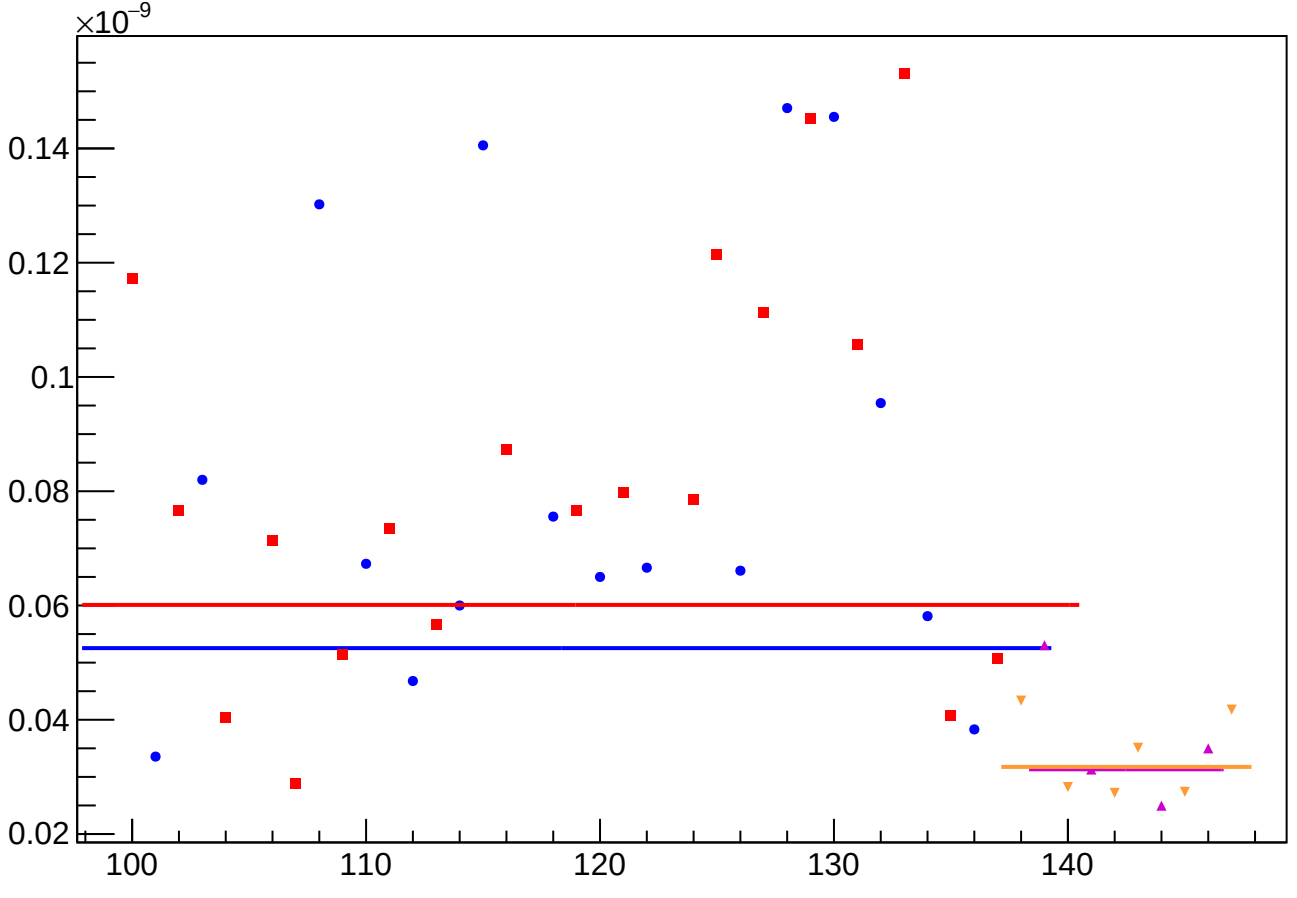
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/21

All: 0.000+/-0.000 χ^2/NDF: 47.6/44

- sign -0.000+/-0.000 χ^2/NDF: 25.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:215480.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

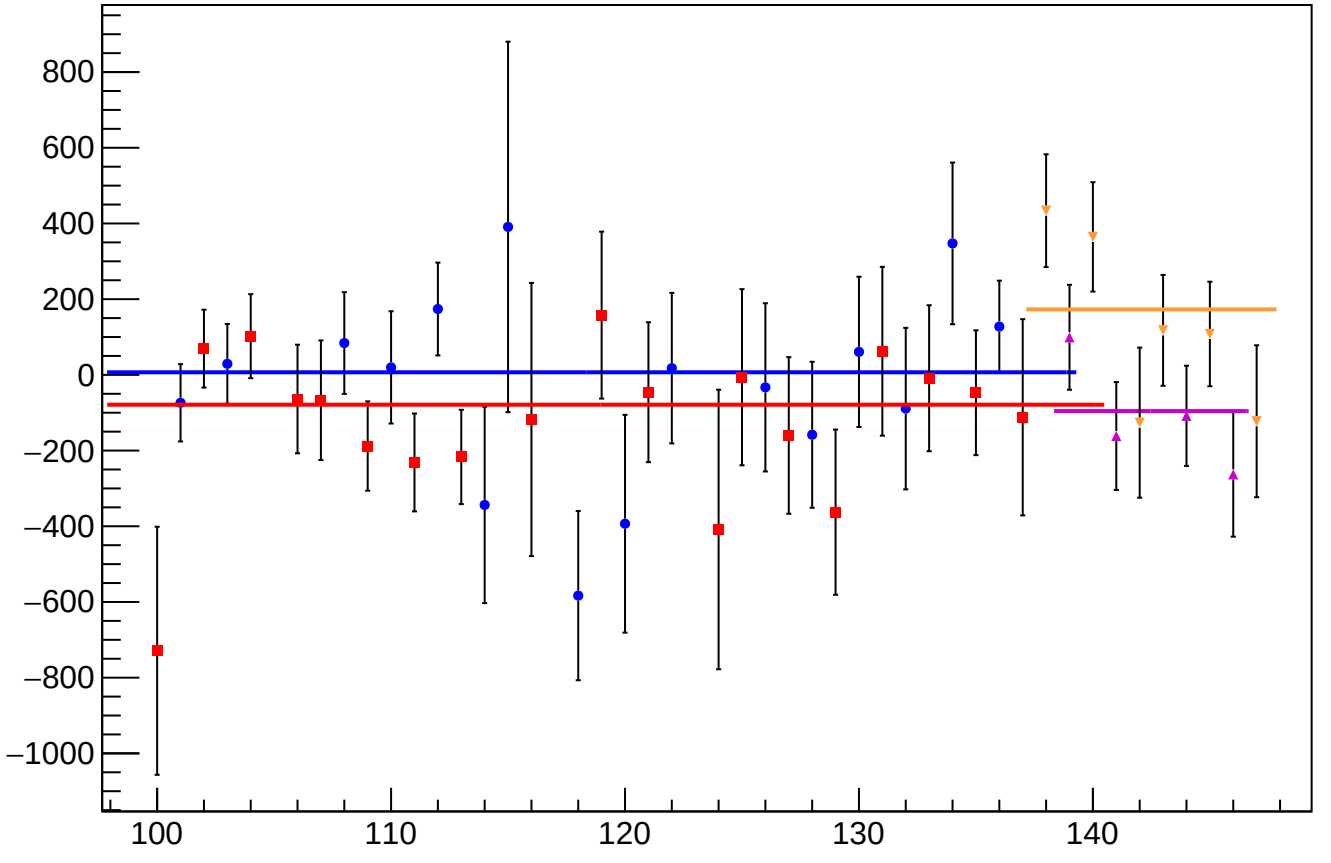
Left In: 0.000+/-0.000 χ^2/NDF:278601.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 2722074.4/21

All: 0.000+/-0.000 χ^2/NDF: 5892871.2/44

- sign 0.000+/-0.000 χ^2/NDF: 3146069.8/22

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.968+/-64.247 χ^2/NDF:9.6/5

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

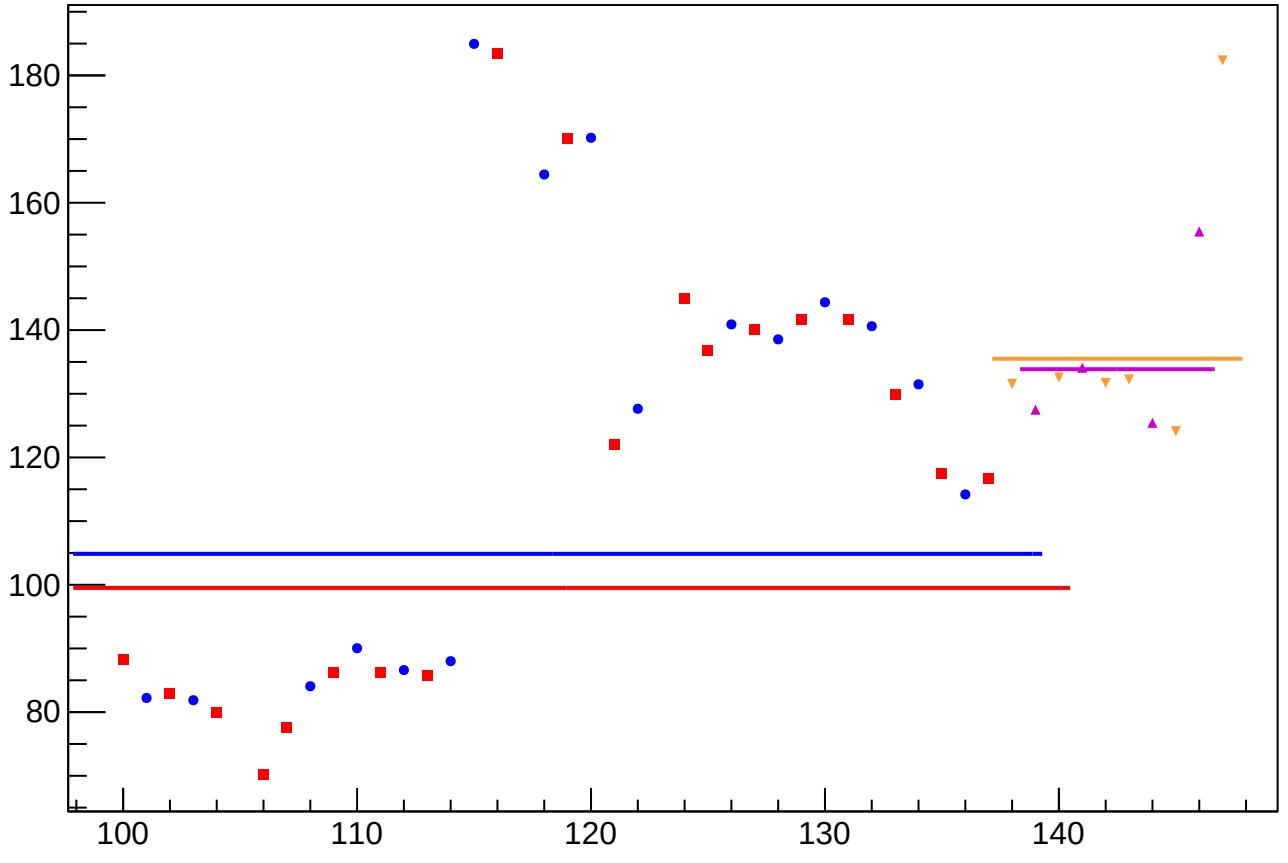
Left In: -95.611+/-71.573 χ^2/NDF:3.2/3

+ sign 53.816+/-34.172 χ^2/NDF: 33.2/21

All: -15.723+/-23.921 χ^2/NDF: 61.3/44

- sign -82.547+/-33.498 χ^2/NDF: 20.0/22

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

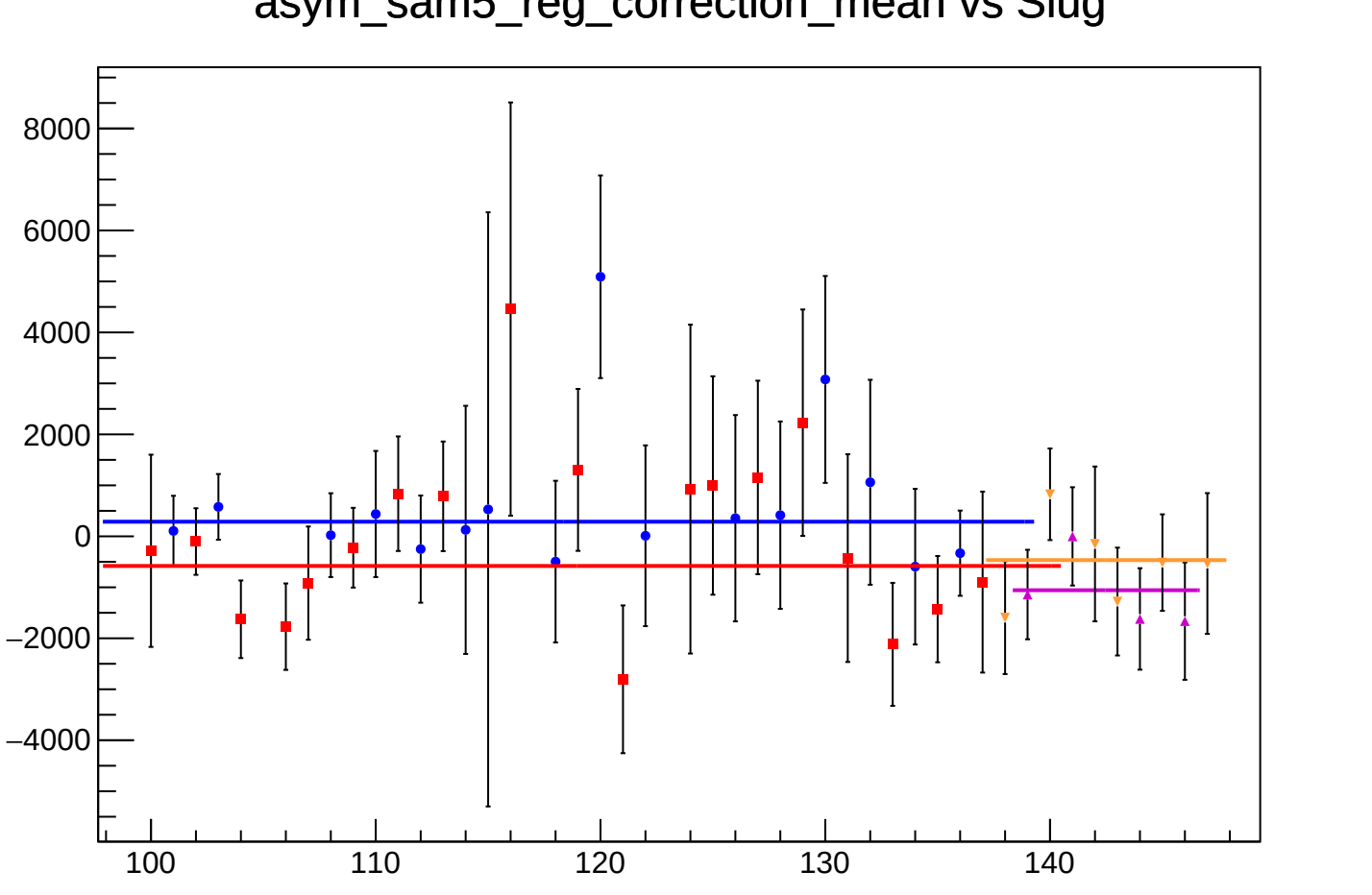
Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 113.528+/-0.024 χ^2/NDF: 1383991.1/21

All: 110.215+/-0.017 χ^2/NDF: 2866467.9/44

- sign 107.032+/-0.024 χ^2/NDF: 1445616.8/22



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -466.421+/-446.131 χ^2/NDF:3.7/5

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

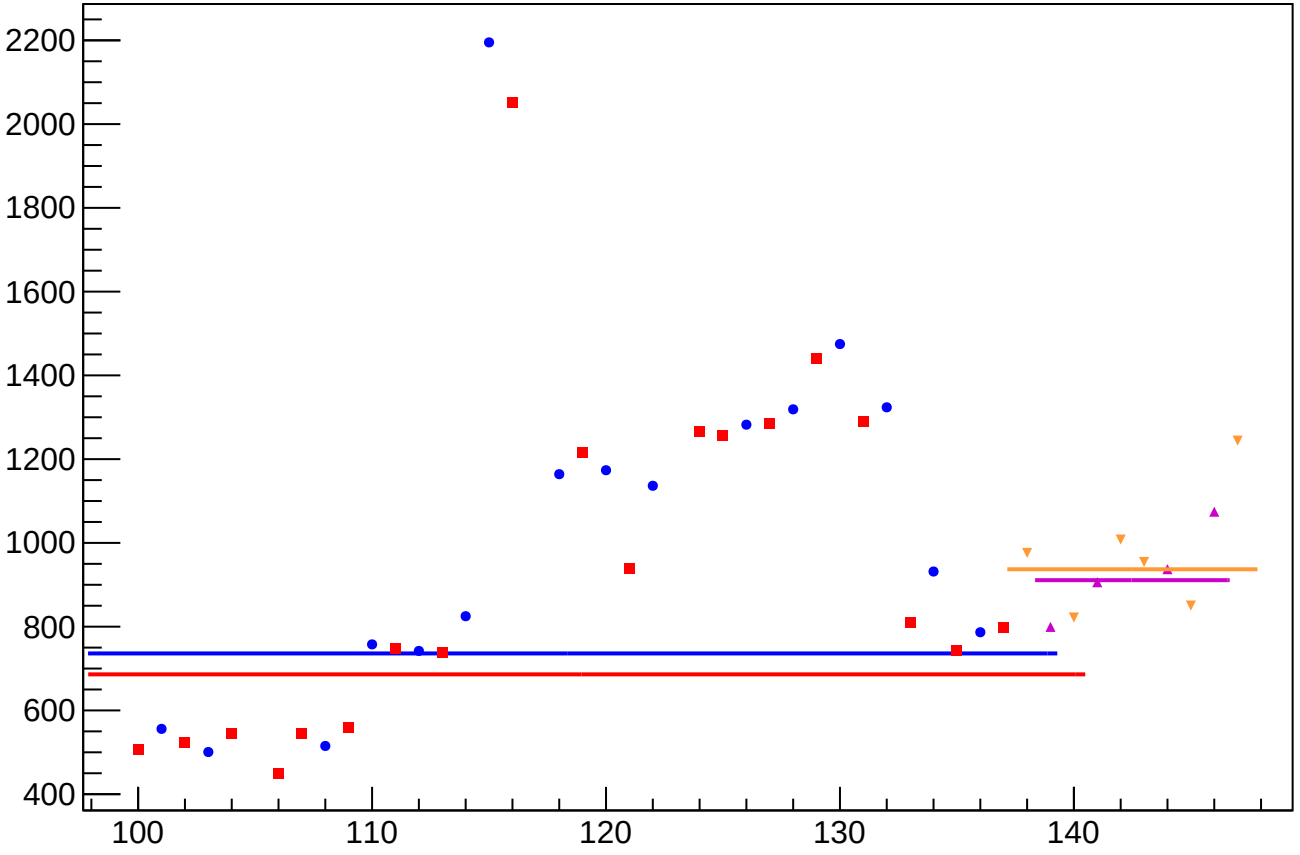
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 59.385+/-245.181 χ^2/NDF: 15.4/21

All: -329.519+/-170.215 χ^2/NDF: 41.6/44

- sign -691.352+/-236.494 χ^2/NDF: 21.3/22

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.1/5

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

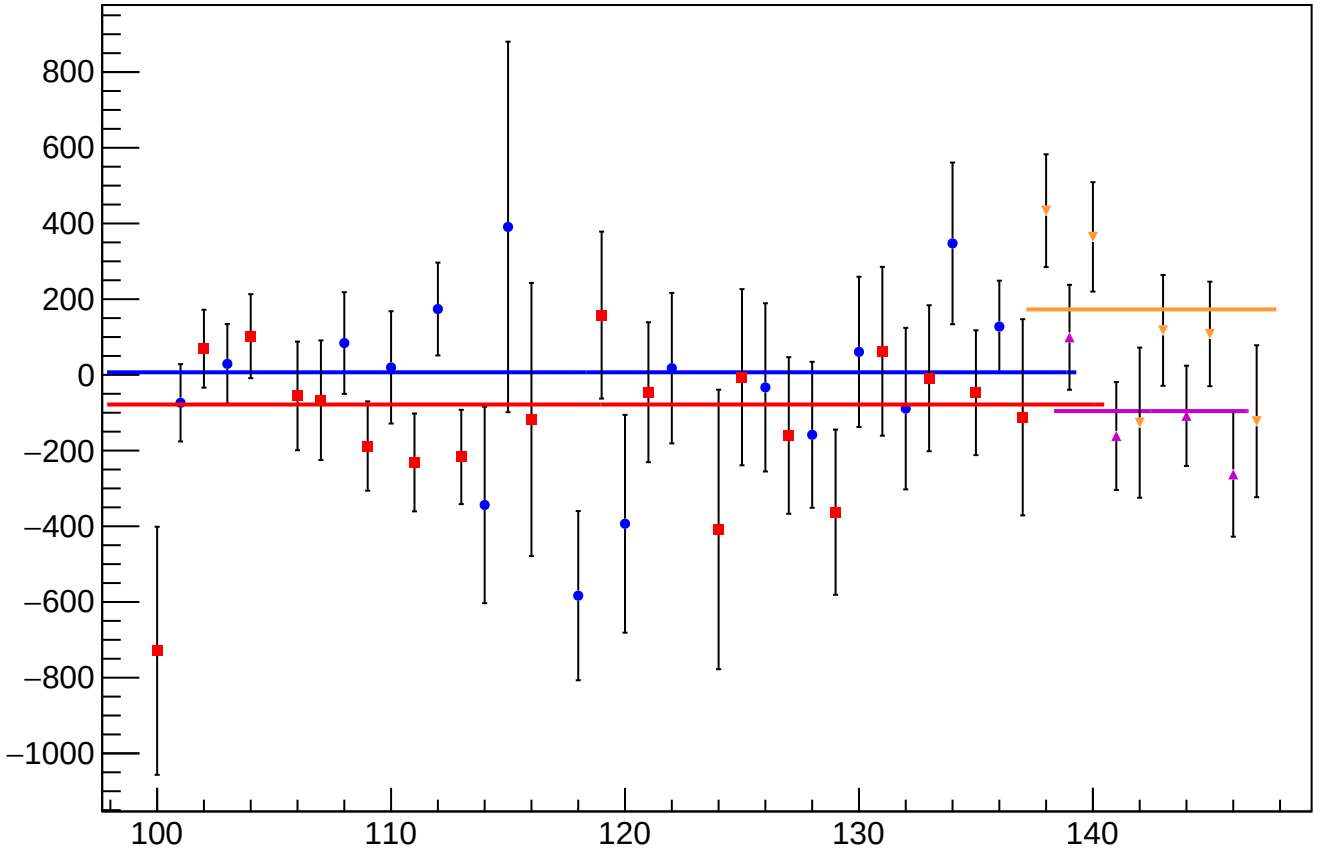
Left In: 911.019+/-0.348 χ^2/NDF:74074.2/3

+ sign 796.768+/-0.173 χ^2/NDF: 2283647.1/21

All: 766.417+/-0.120 χ^2/NDF: 4557889.1/44

- sign 738.178+/-0.167 χ^2/NDF: 2215077.5/22

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

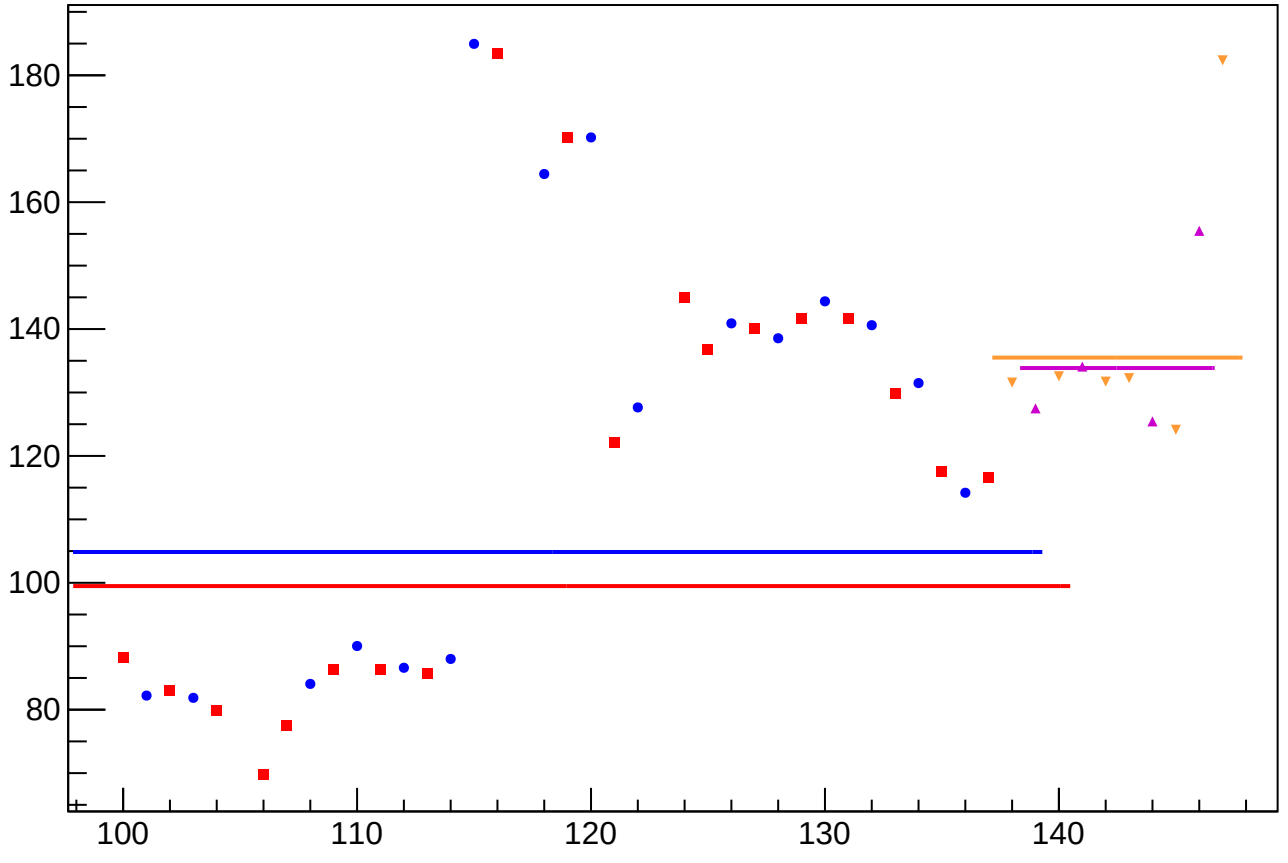
Left In: -95.619+/-71.573 χ^2/NDF:3.2/3

+ sign 53.811+/-34.172 χ^2/NDF: 33.2/21

All: -15.510+/-23.922 χ^2/NDF: 61.3/44

- sign -82.131+/-33.500 χ^2/NDF: 20.0/22

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

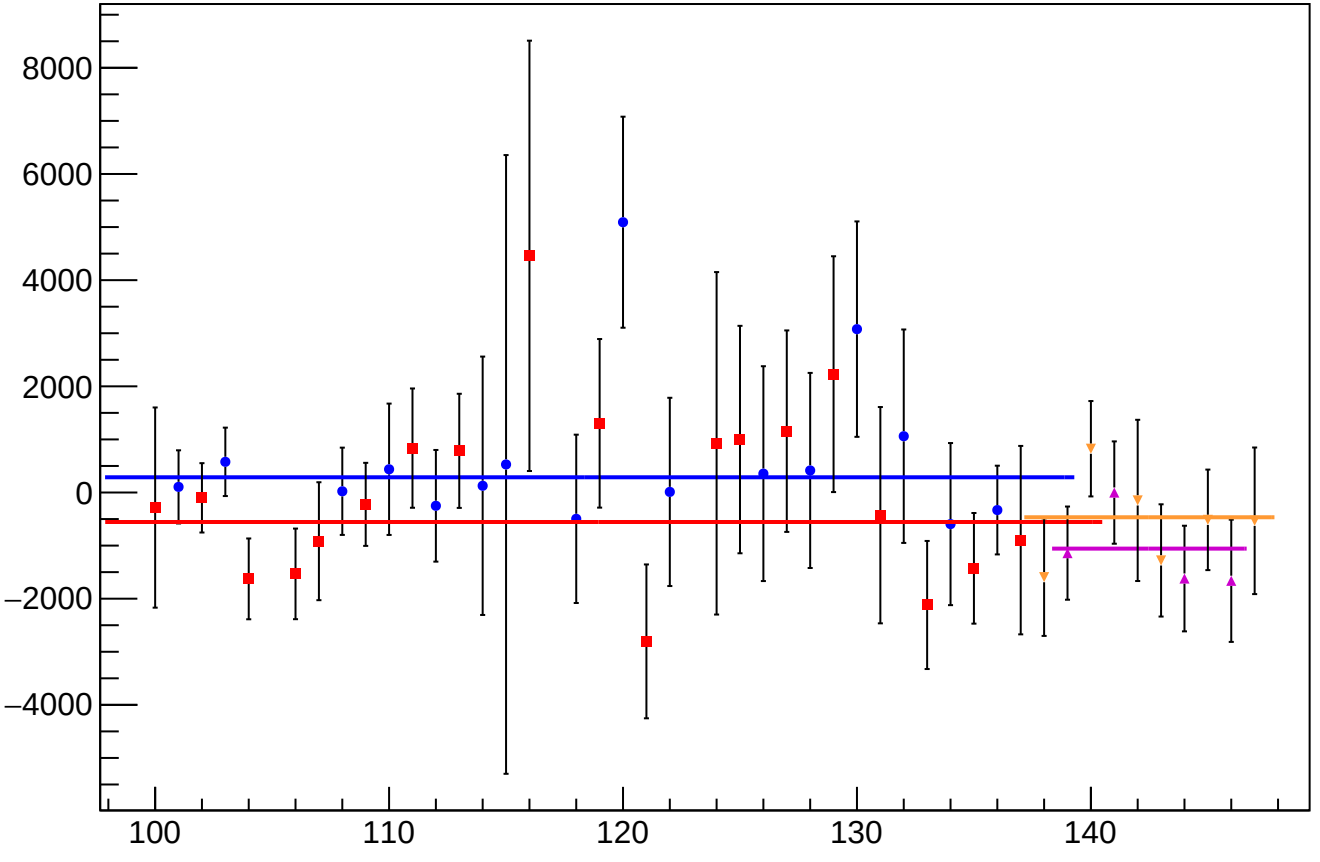
Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 113.528+/-0.024 χ^2/NDF: 1383990.1/21

All: 110.206+/-0.017 χ^2/NDF: 2869343.7/44

- sign 107.014+/-0.024 χ^2/NDF: 1448293.0/22

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

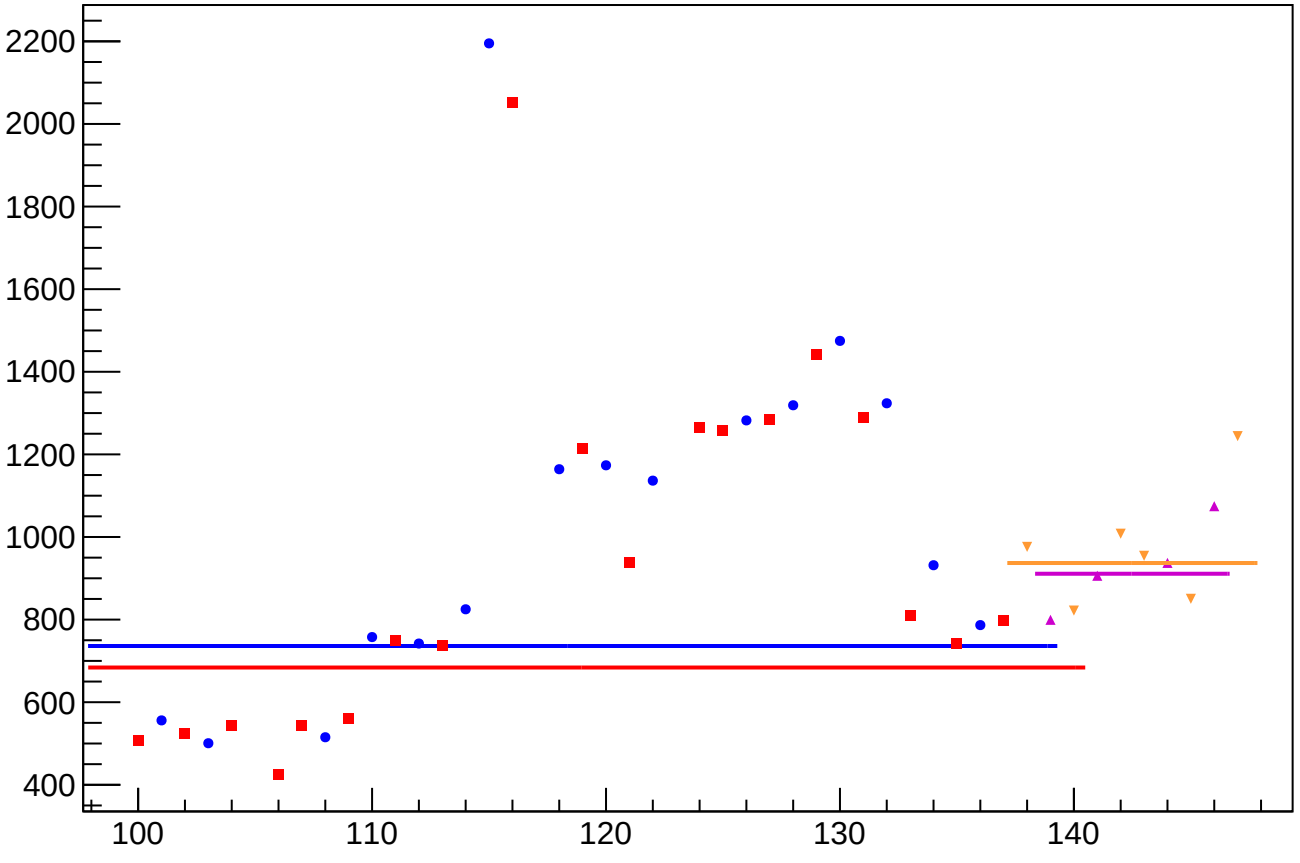
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 59.390+/-245.181 χ^2/NDF: 15.4/21

All: -319.129+/-170.260 χ^2/NDF: 40.7/44

- sign -671.657+/-236.614 χ^2/NDF: 20.6/22

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

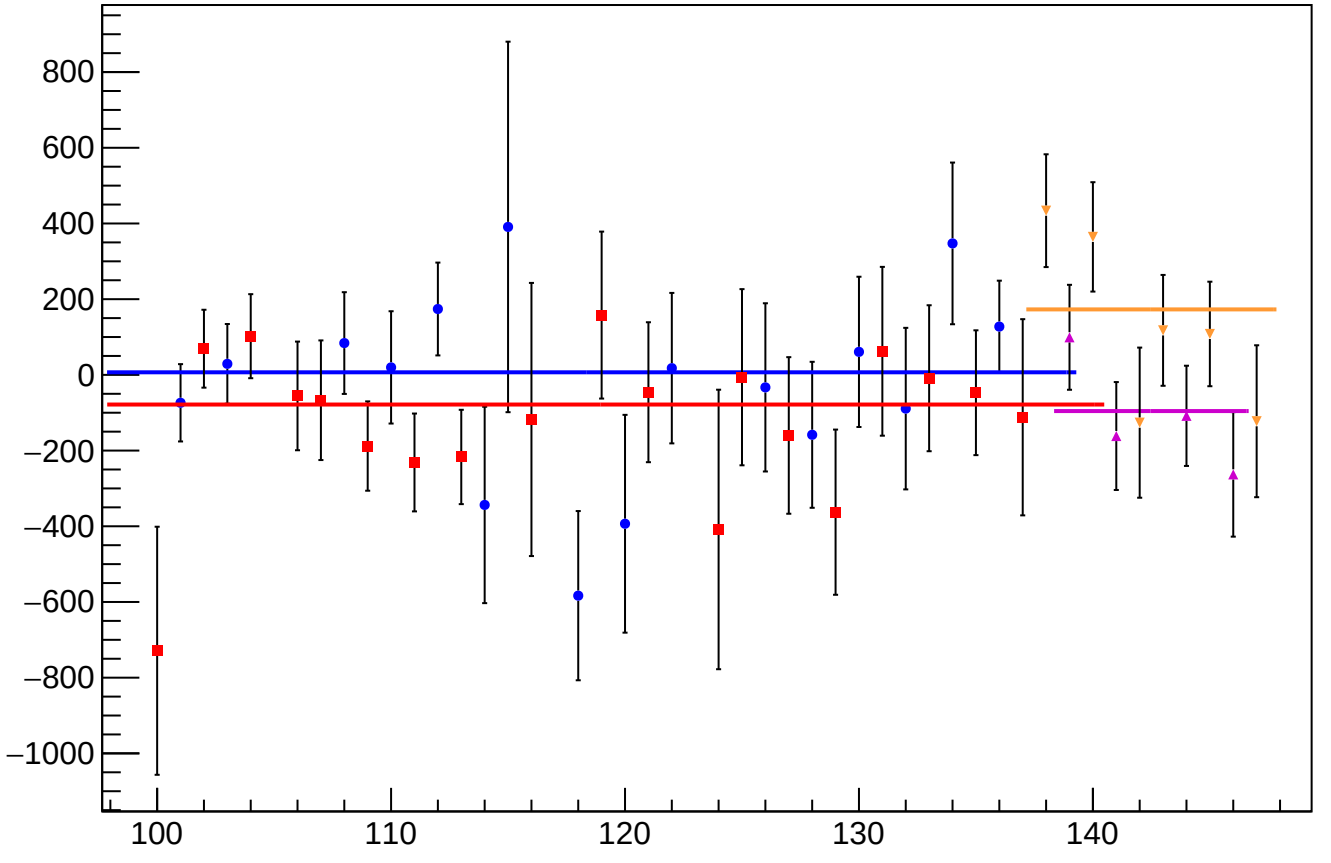
Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

+ sign 796.768+/-0.173 χ^2/NDF: 2283650.5/21

All: 765.612+/-0.120 χ^2/NDF: 4598342.6/44

- sign 736.596+/-0.167 χ^2/NDF: 2252321.9/22

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

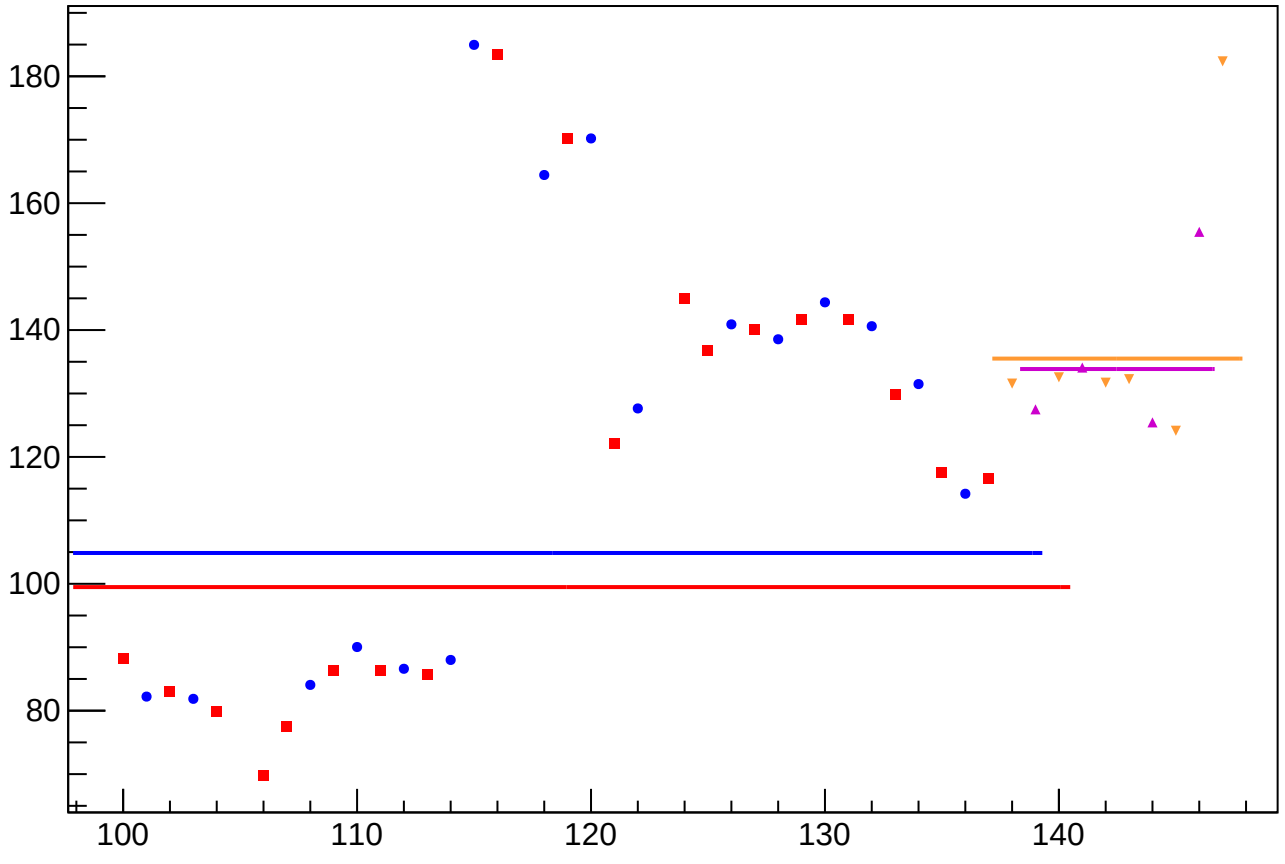
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -95.619+/-71.573 χ^2/NDF:3.2/3

+ sign 53.811+/-34.172 χ^2/NDF: 33.2/21

All: -15.510+/-23.922 χ^2/NDF: 61.3/44

- sign -82.131+/-33.500 χ^2/NDF: 20.0/22



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

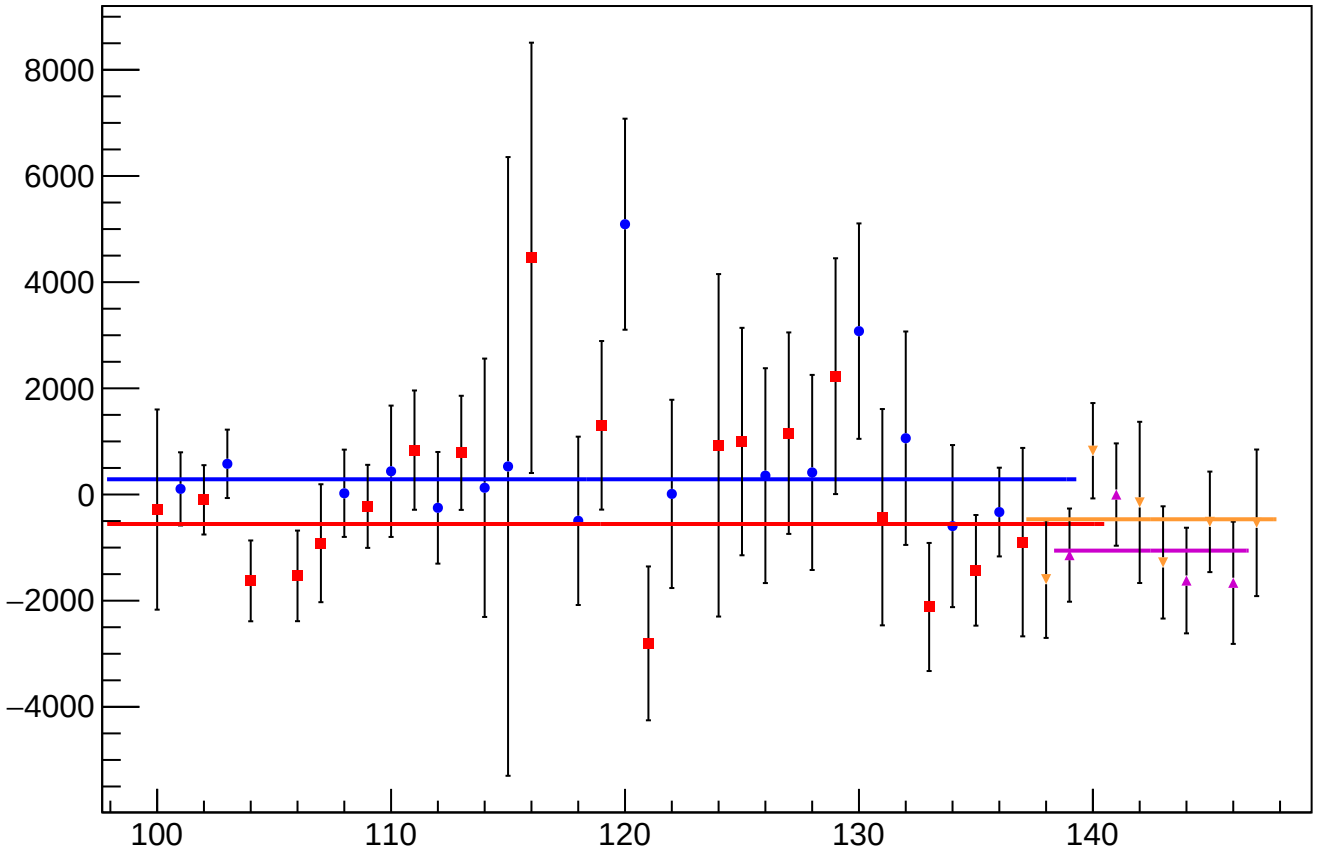
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 113.528+/-0.024 χ^2/NDF: 1383990.1/21

All: 110.206+/-0.017 χ^2/NDF: 2869343.7/44

- sign 107.014+/-0.024 χ^2/NDF: 1448293.0/22



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

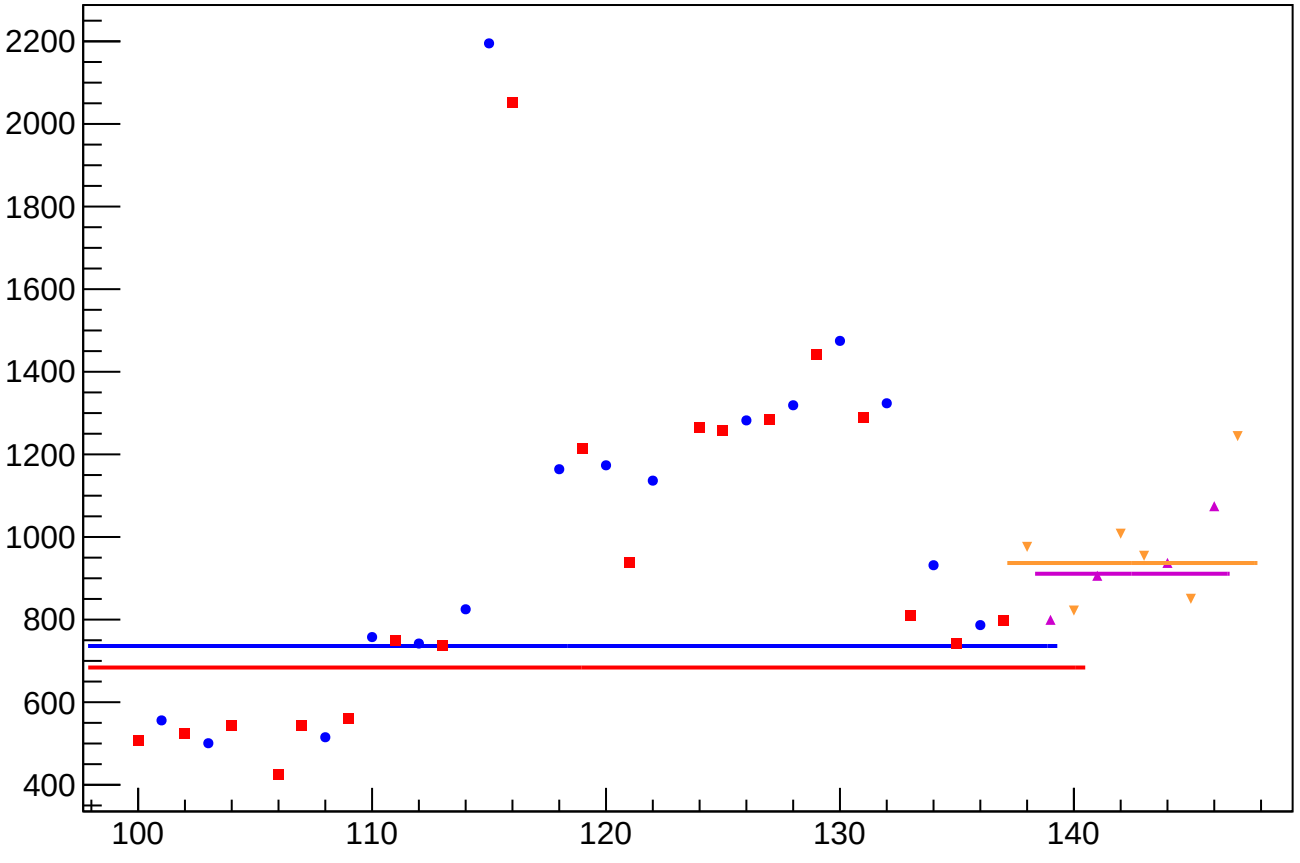
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 59.390+/-245.181 χ^2/NDF: 15.4/21

All: -319.129+/-170.260 χ^2/NDF: 40.7/44

- sign -671.657+/-236.614 χ^2/NDF: 20.6/22

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

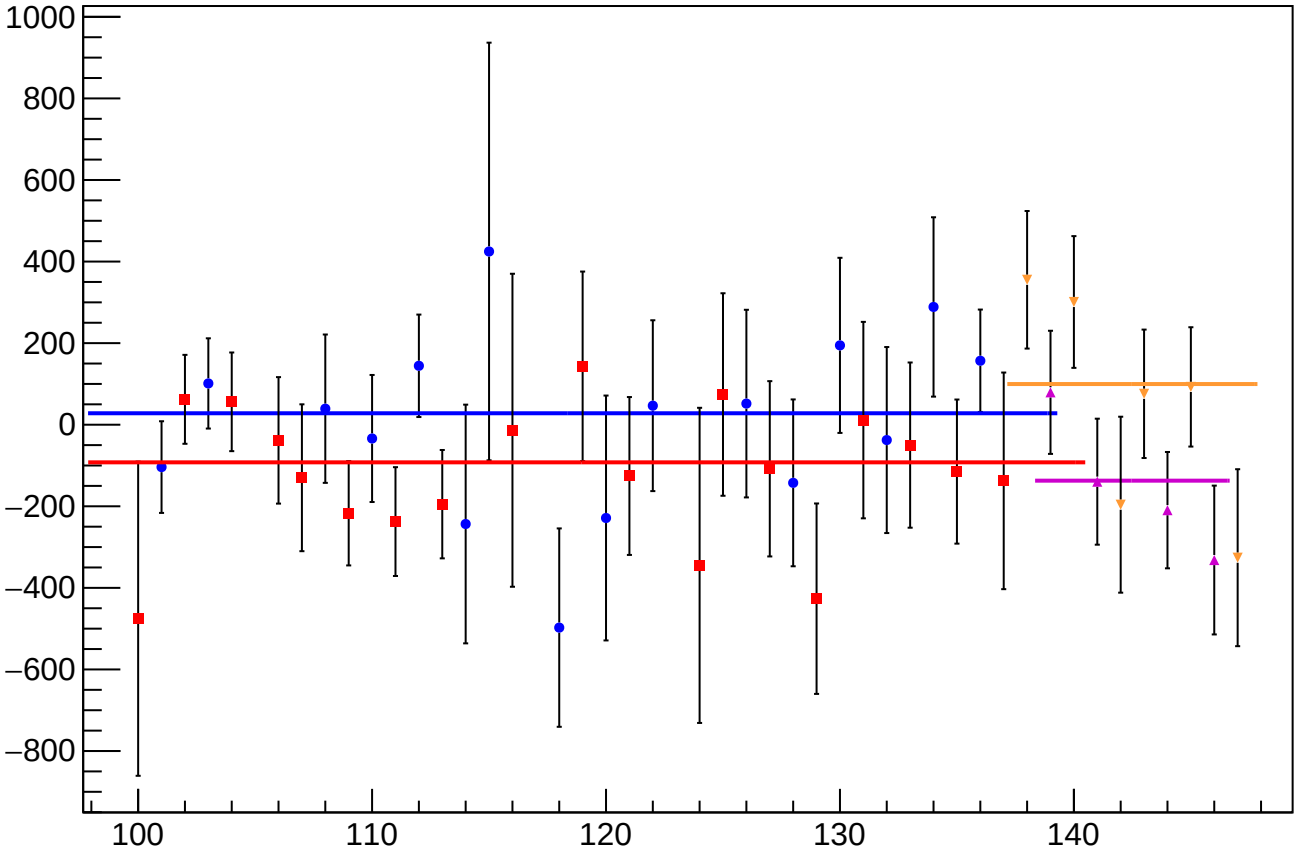
Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

+ sign 796.768+/-0.173 χ^2/NDF: 2283650.5/21

All: 765.612+/-0.120 χ^2/NDF: 4598342.6/44

- sign 736.596+/-0.167 χ^2/NDF: 2252321.9/22

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.721+/-70.131 χ^2/NDF:9.6/5

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

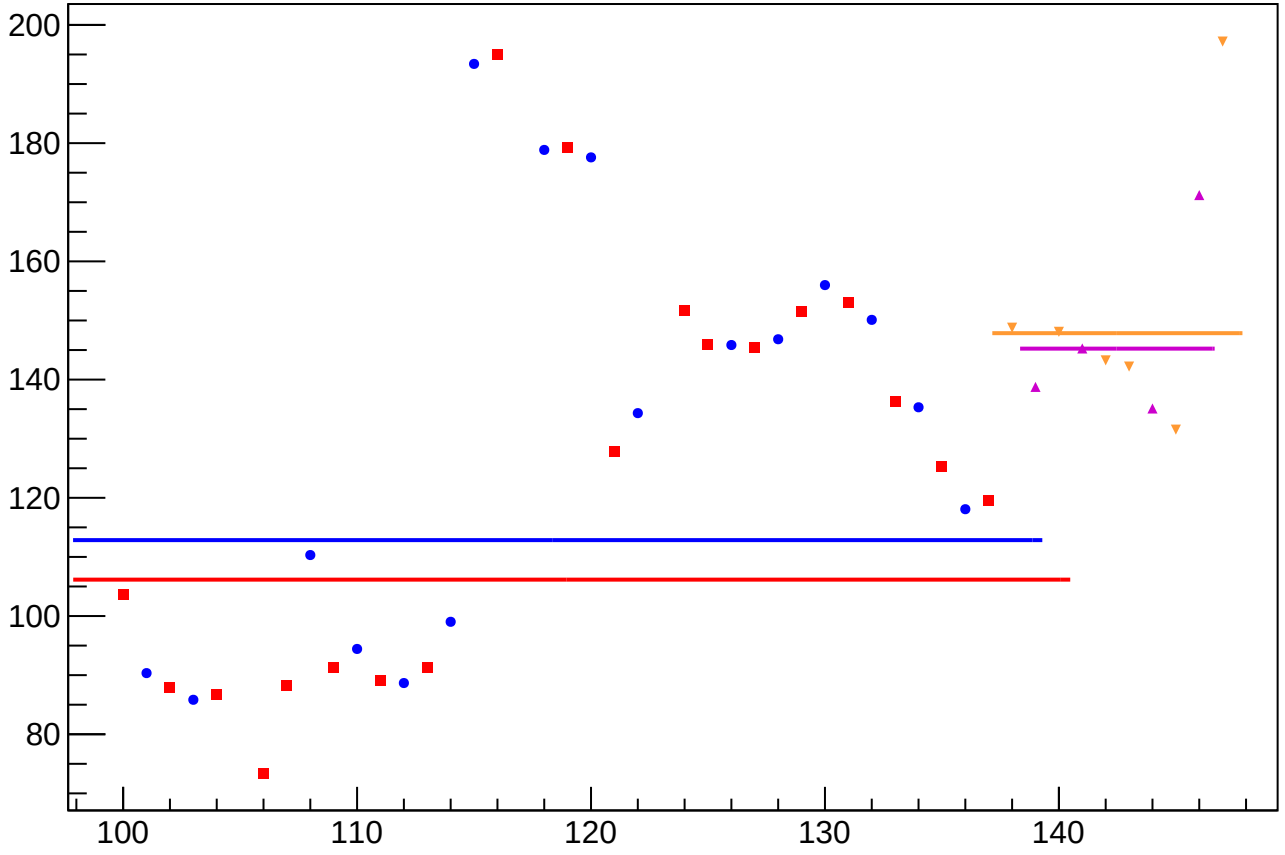
Left In: -137.168+/-77.850 χ^2/NDF:3.5/3

\+ sign 47.954+/-36.929 χ^2/NDF: 23.9/21

All: -28.936+/-25.762 χ^2/NDF: 47.8/44

\- sign -101.829+/-35.956 χ^2/NDF: 15.4/22

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 147.853+/-0.050 χ^2/NDF:131869.4/5

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

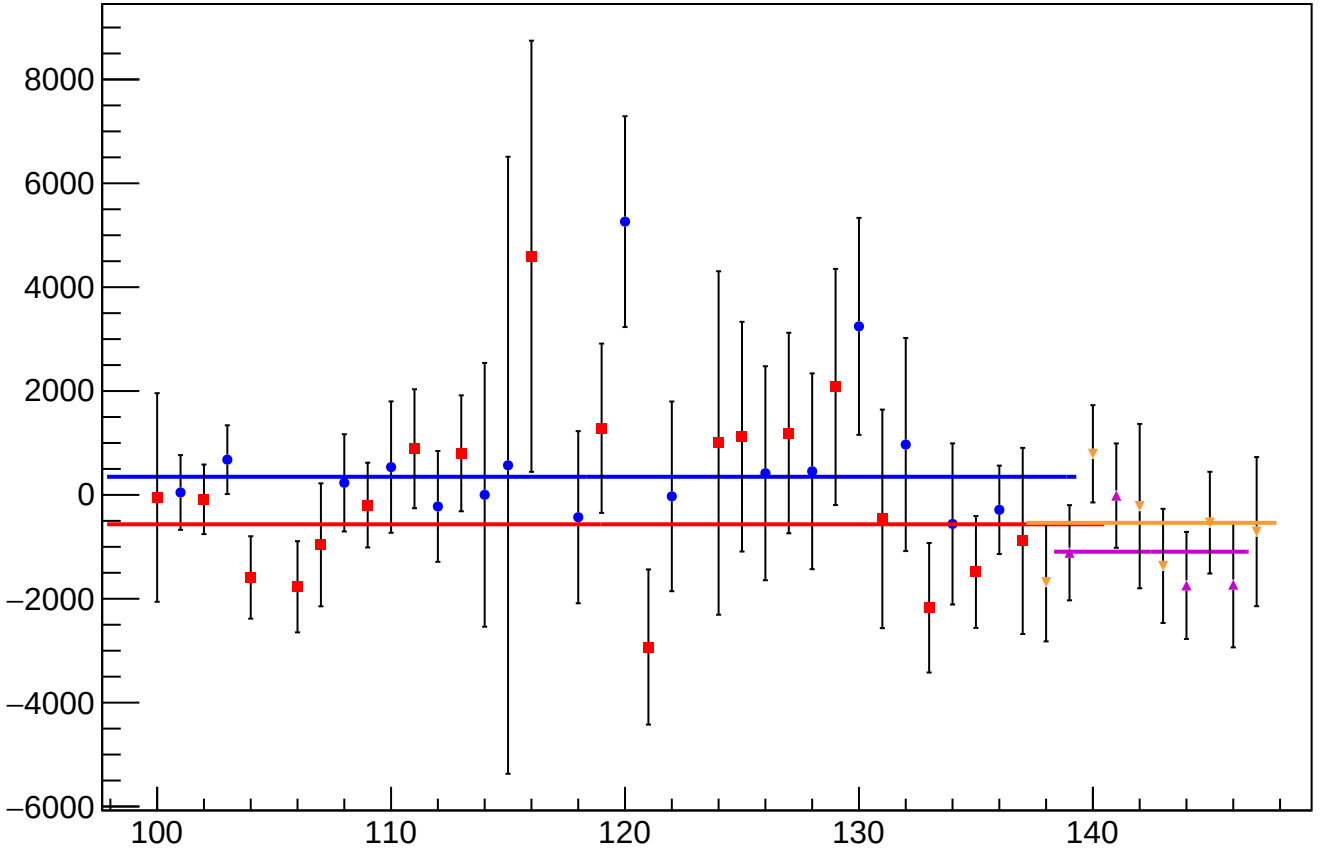
Left In: 145.238+/-0.055 χ^2/NDF:54306.3/3

+ sign 122.550+/-0.026 χ^2/NDF: 1364330.2/21

All: 118.415+/-0.018 χ^2/NDF: 2866105.4/44

- sign 114.495+/-0.025 χ^2/NDF: 1452924.9/22

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.155 χ^2/NDF:3.6/5

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

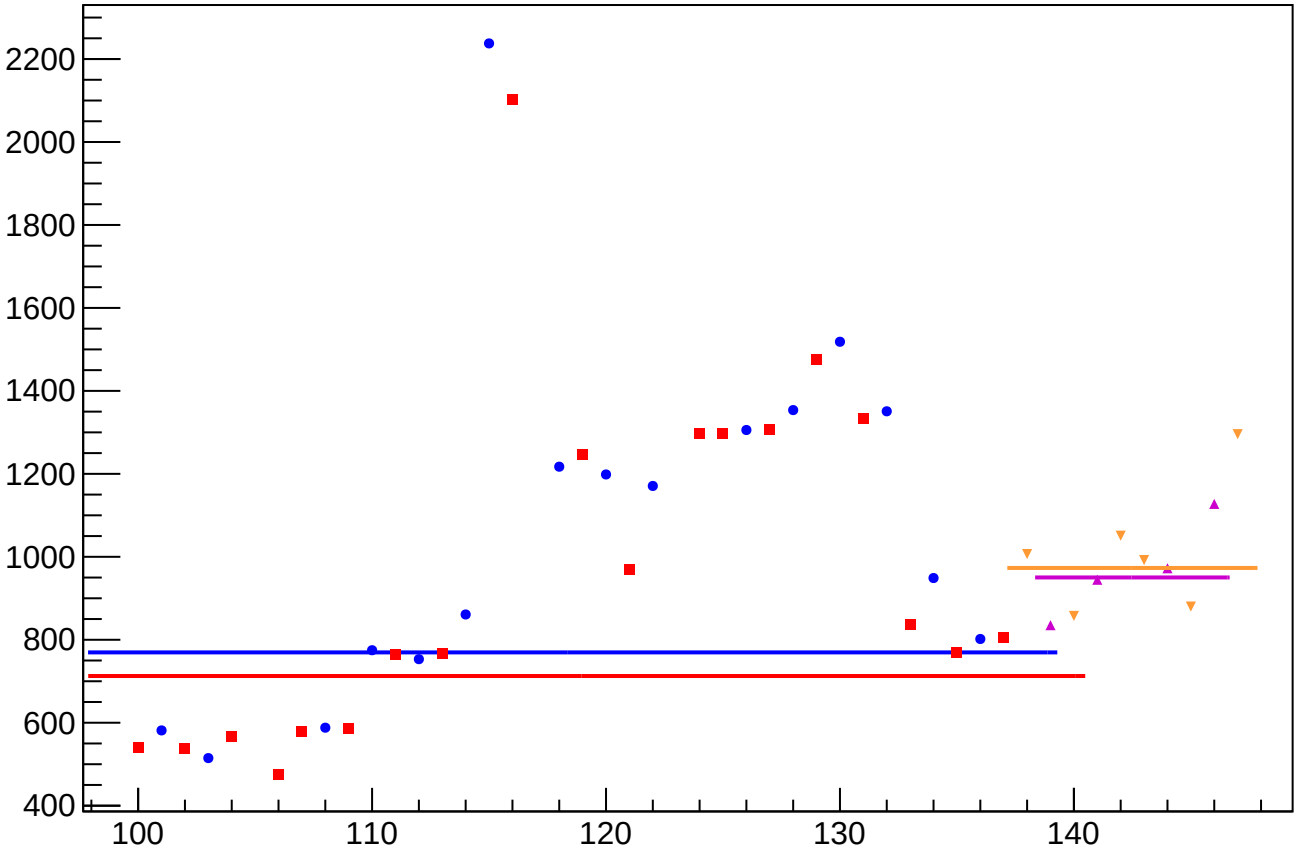
Left In: -1093.859+/-512.424 χ^2/NDF:1.8/3

+ sign 80.484+/-254.919 χ^2/NDF: 16.0/21

All: -318.126+/-176.712 χ^2/NDF: 41.7/44

- sign -686.867+/-245.182 χ^2/NDF: 20.9/22

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 973.153+/-0.327 χ^2/NDF:156591.2/5

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

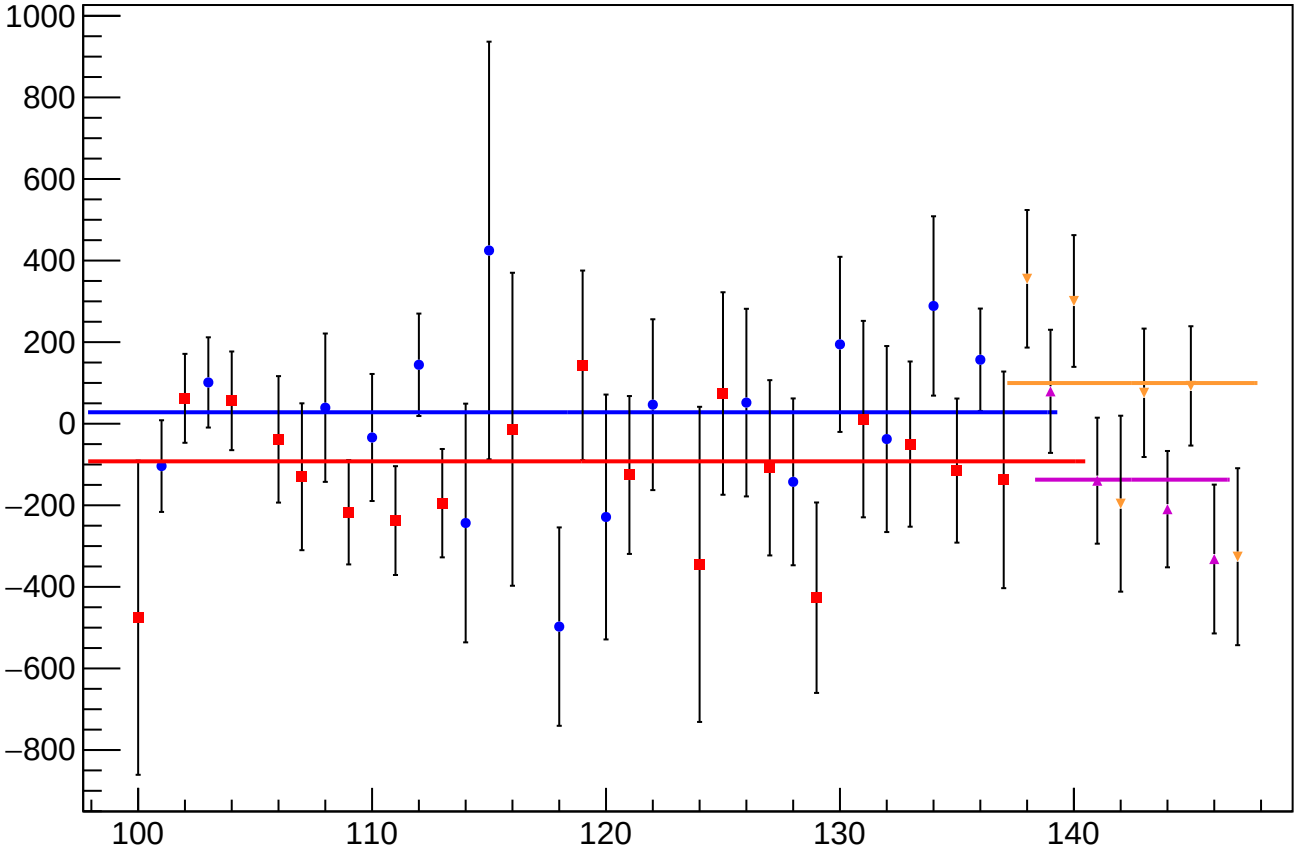
Left In: 950.230+/-0.362 χ^2/NDF:75665.0/3

+ sign 831.234+/-0.180 χ^2/NDF: 2165920.8/21

All: 797.880+/-0.125 χ^2/NDF: 4406284.2/44

- sign 767.025+/-0.173 χ^2/NDF: 2174449.7/22

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.722+/-70.131 χ^2/NDF:9.6/5

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

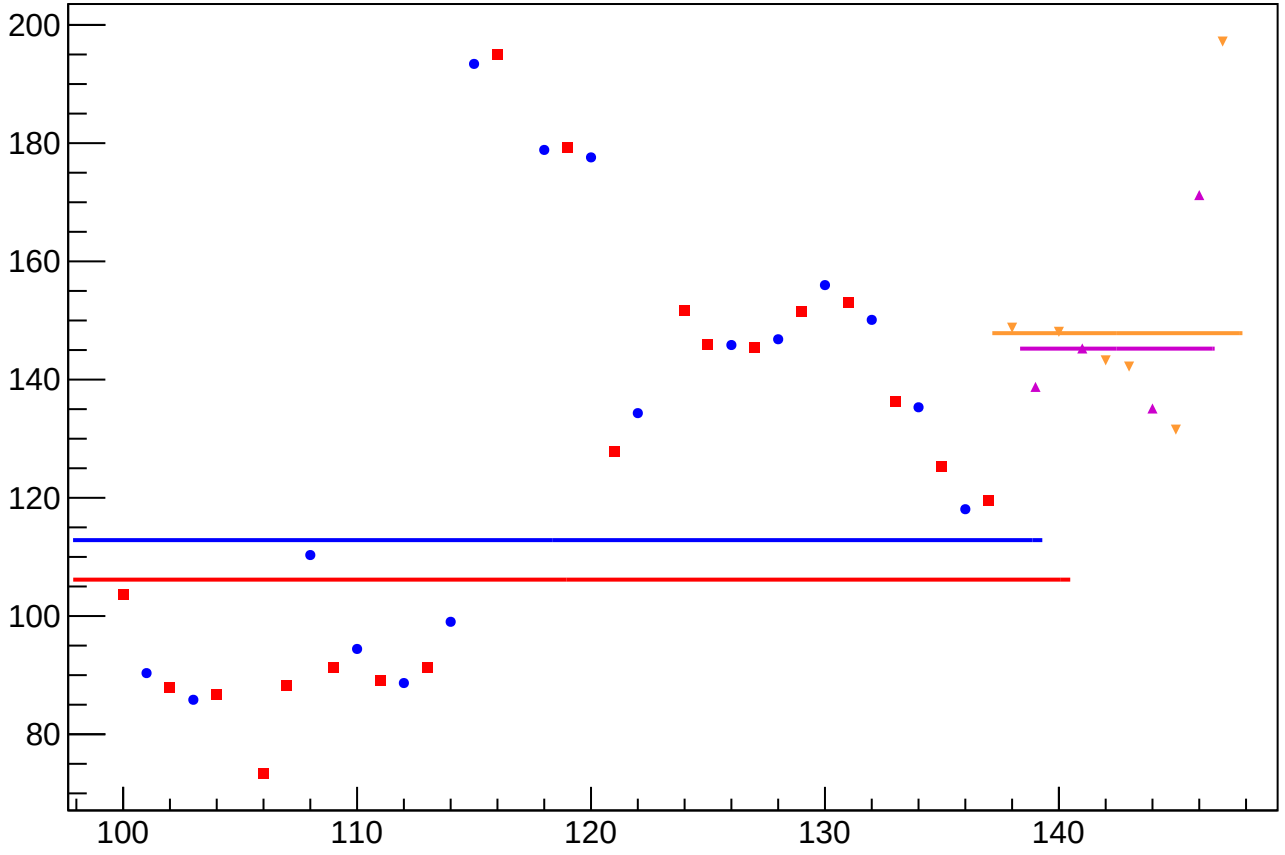
Left In: -137.169+/-77.851 χ^2/NDF:3.5/3

+ sign 47.953+/-36.929 χ^2/NDF: 23.9/21

All: -28.937+/-25.762 χ^2/NDF: 47.8/44

- sign -101.830+/-35.956 χ^2/NDF: 15.4/22

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 147.854+/-0.050 χ^2/NDF:131872.5/5

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

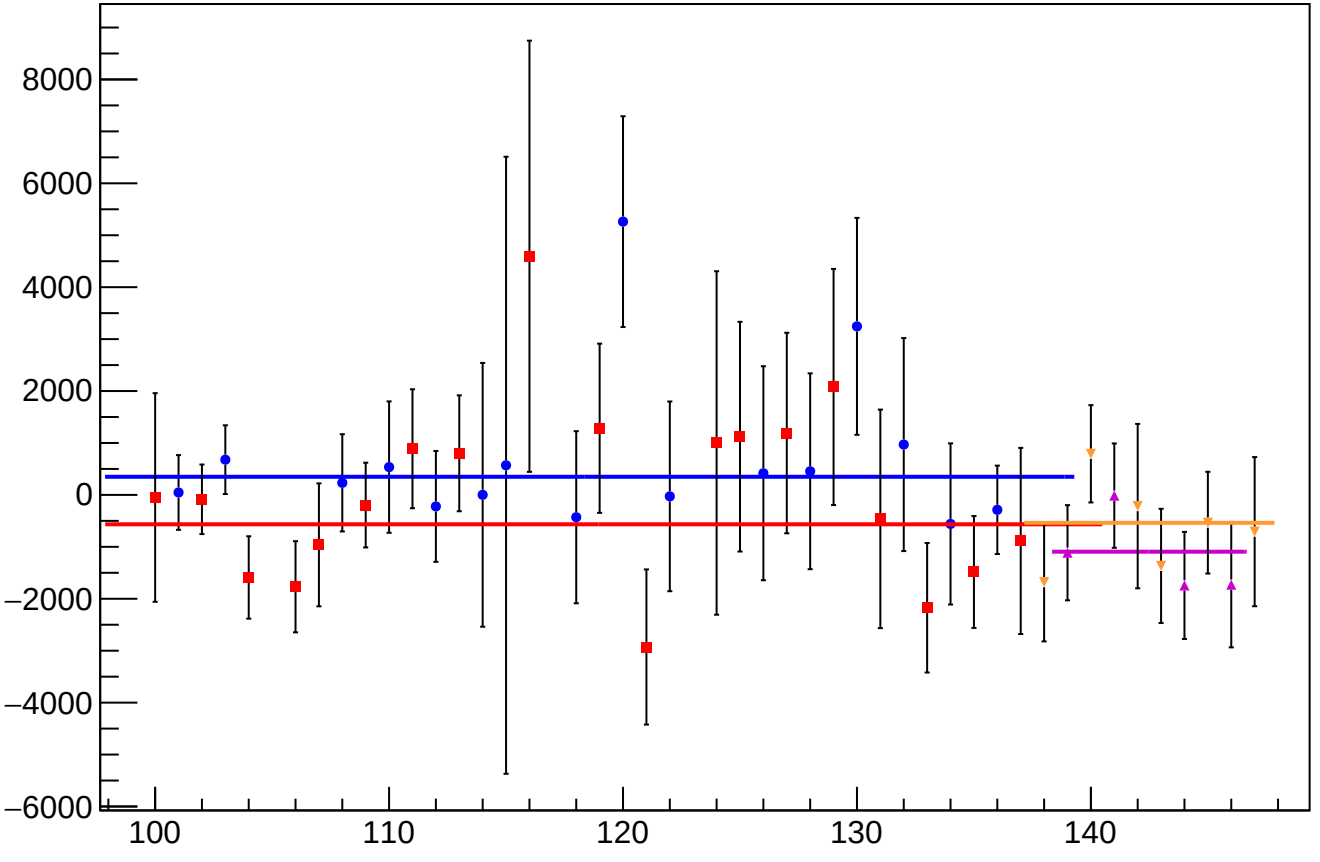
Left In: 145.239+/-0.055 χ^2/NDF:54307.4/3

+ sign 122.550+/-0.026 χ^2/NDF: 1364339.1/21

All: 118.415+/-0.018 χ^2/NDF: 2866117.0/44

- sign 114.495+/-0.025 χ^2/NDF: 1452928.3/22

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.156 χ^2/NDF:3.6/5

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

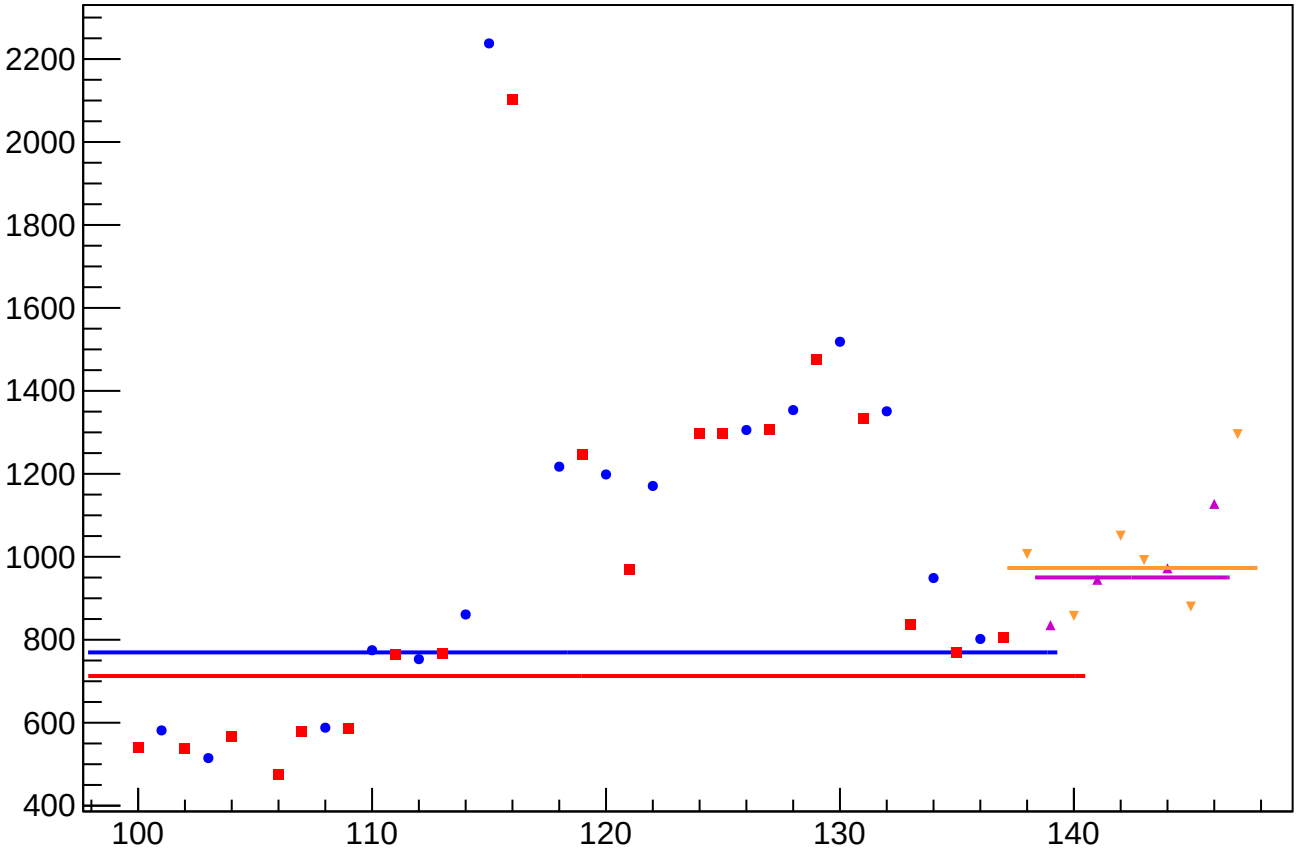
Left In: -1093.863+/-512.425 χ^2/NDF:1.8/3

+ sign 80.485+/-254.919 χ^2/NDF: 16.0/21

All: -318.126+/-176.712 χ^2/NDF: 41.7/44

- sign -686.867+/-245.182 χ^2/NDF: 20.9/22

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 973.154+/-0.328 χ^2/NDF:156591.3/5

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

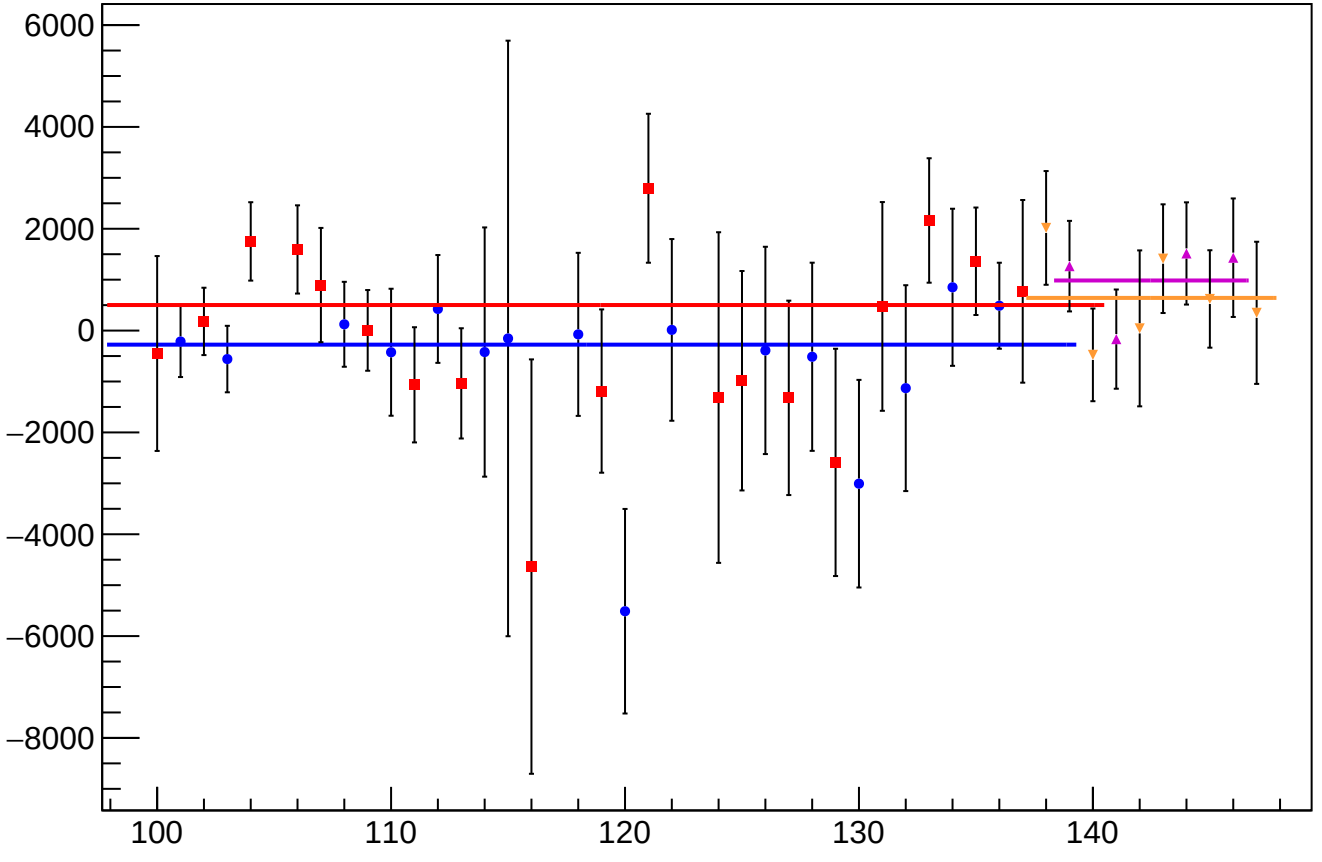
Left In: 950.232+/-0.362 χ^2/NDF:75664.9/3

+ sign 831.233+/-0.180 χ^2/NDF: 2165924.7/21

All: 797.879+/-0.125 χ^2/NDF: 4406289.1/44

- sign 767.024+/-0.173 χ^2/NDF: 2174450.5/22

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 641.775+/-450.904 χ^2/NDF:3.7/5

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

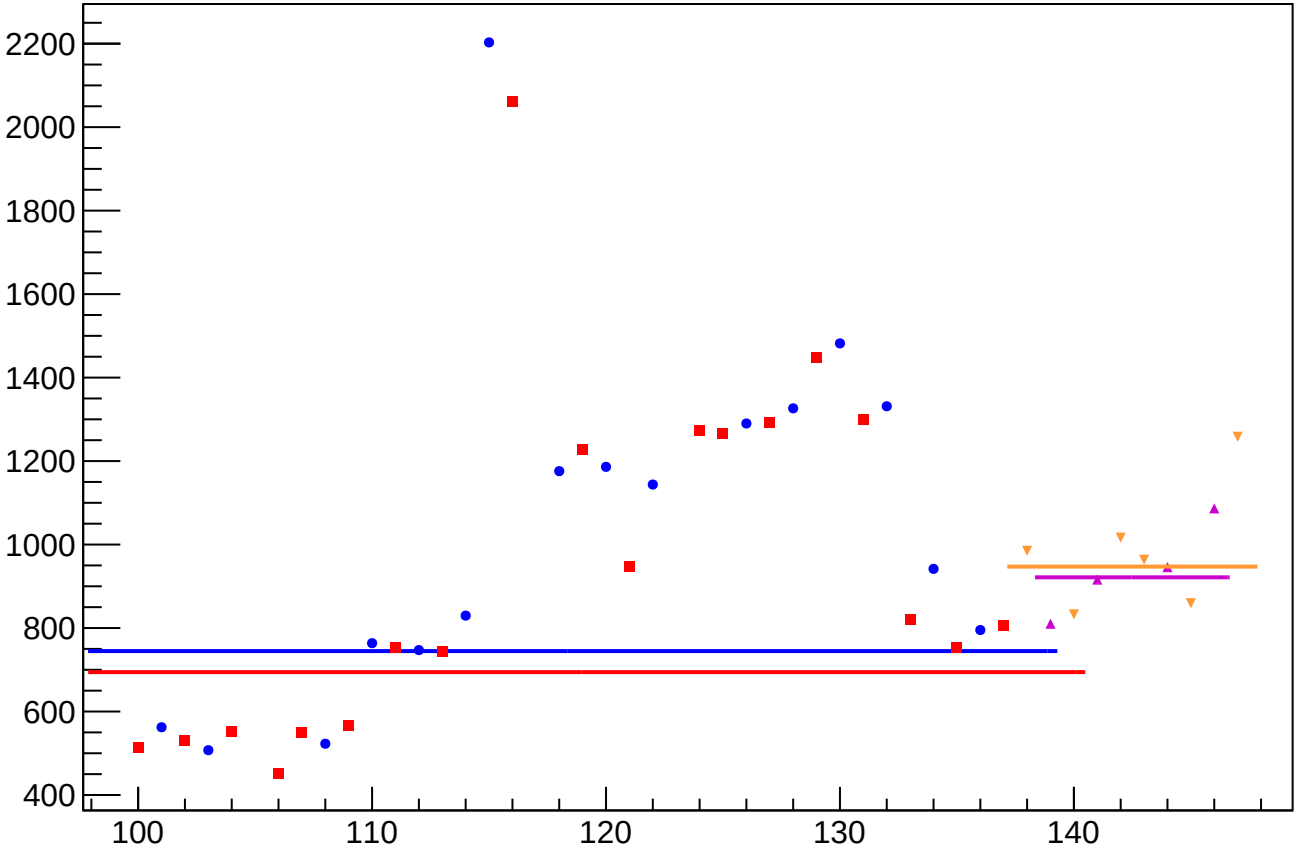
Left In: 984.124+/-496.998 χ^2/NDF:1.9/3

+ sign 1.180+/-247.860 χ^2/NDF: 17.7/21

All: 318.253+/-172.147 χ^2/NDF: 44.0/44

- sign 613.734+/-239.272 χ^2/NDF: 23.1/22

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 947.206+/-0.319 χ^2/NDF:154609.6/5

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

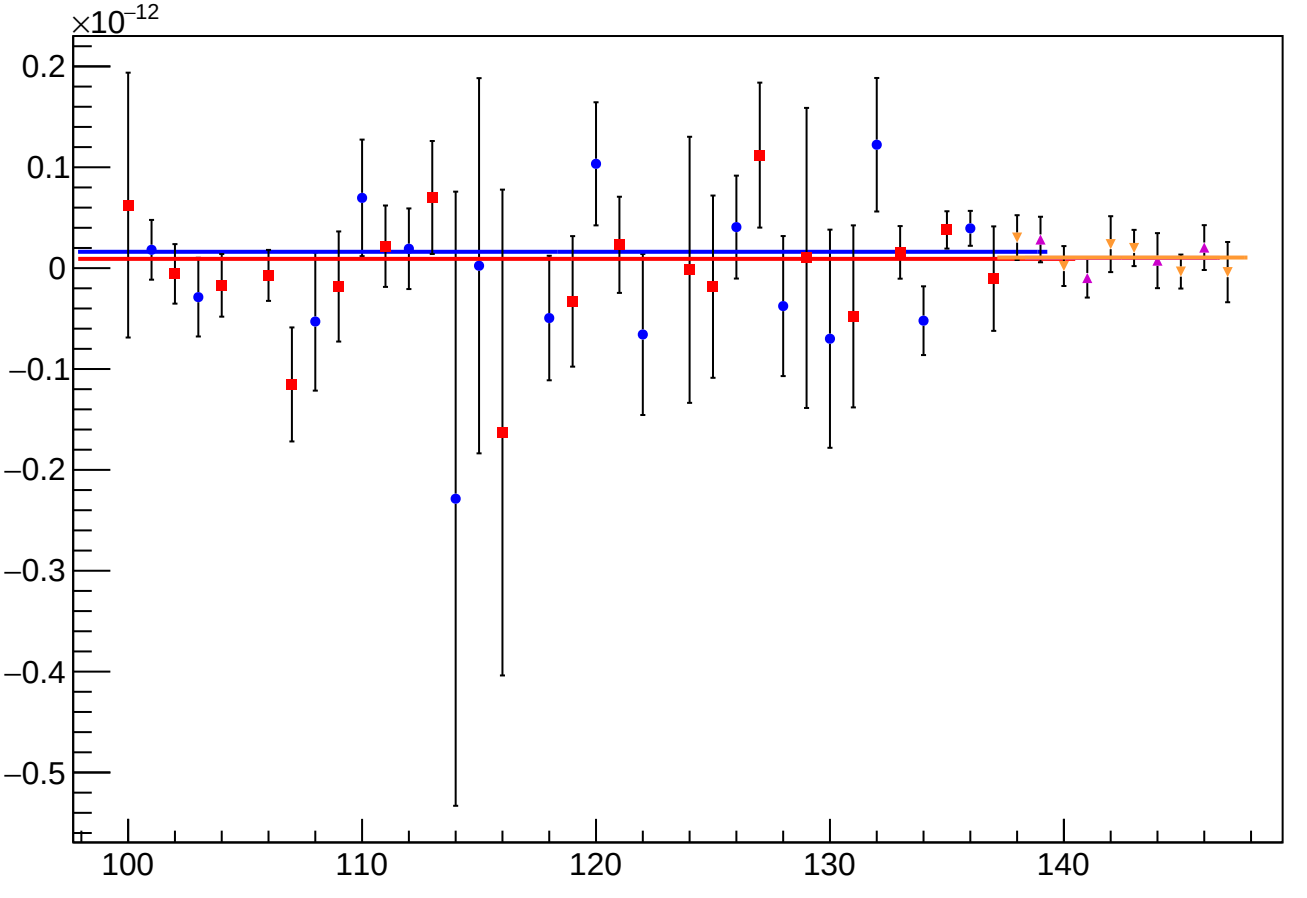
Left In: 921.502+/-0.351 χ^2/NDF:72743.6/3

+ sign 805.948+/-0.175 χ^2/NDF: 2258441.7/21

All: 775.434+/-0.122 χ^2/NDF: 4514444.2/44

- sign 746.997+/-0.169 χ^2/NDF: 2197441.4/22

asym_sam5_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:2.4/5

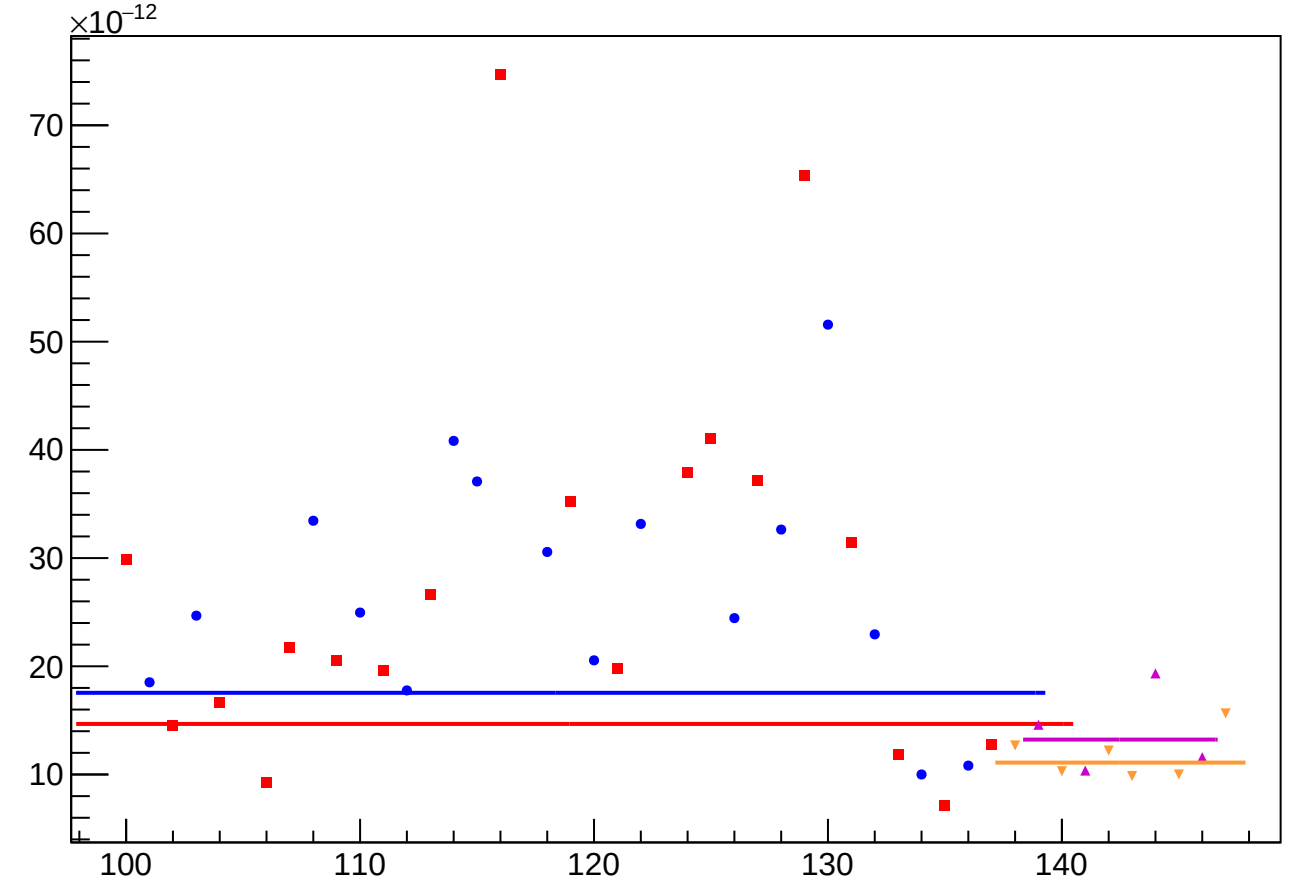
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/21

All: 0.000+/-0.000 χ^2/NDF: 36.7/44

- sign 0.000+/-0.000 χ^2/NDF: 16.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:81095.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

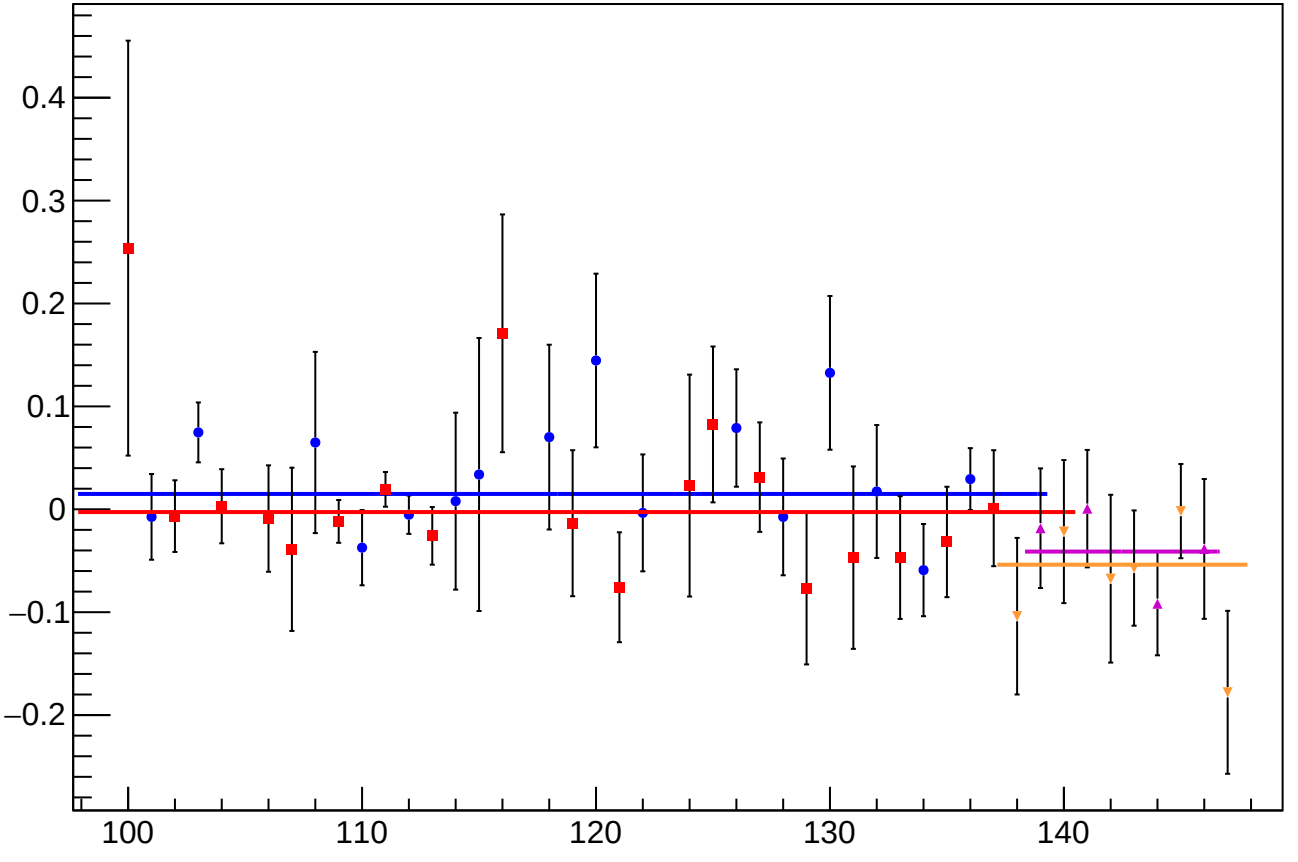
Left In: 0.000+/-0.000 χ^2/NDF:162168.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 1681367.5/21

All: 0.000+/-0.000 χ^2/NDF: 3609025.4/44

- sign 0.000+/-0.000 χ^2/NDF: 1923404.5/22

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

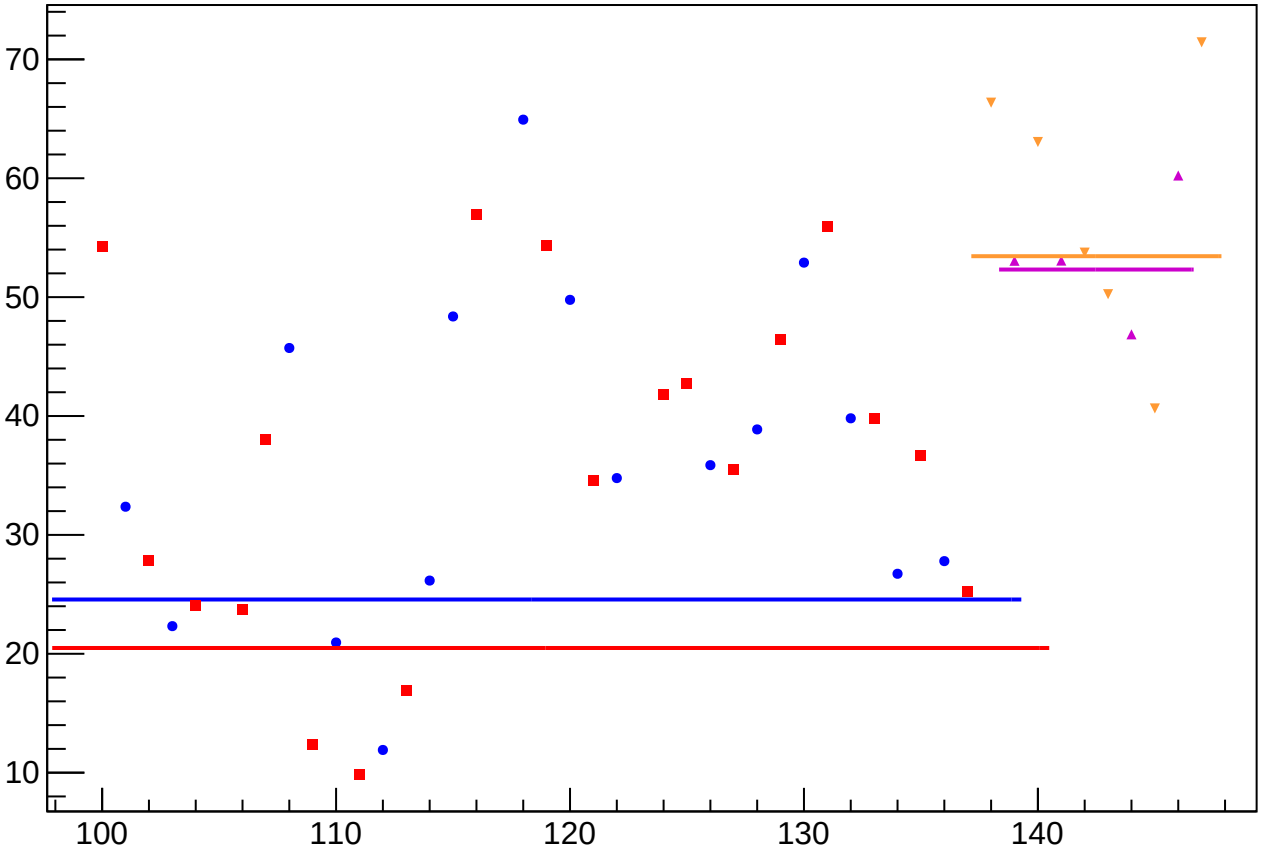
Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.001+/-0.007 χ^2/NDF: 44.8/44

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

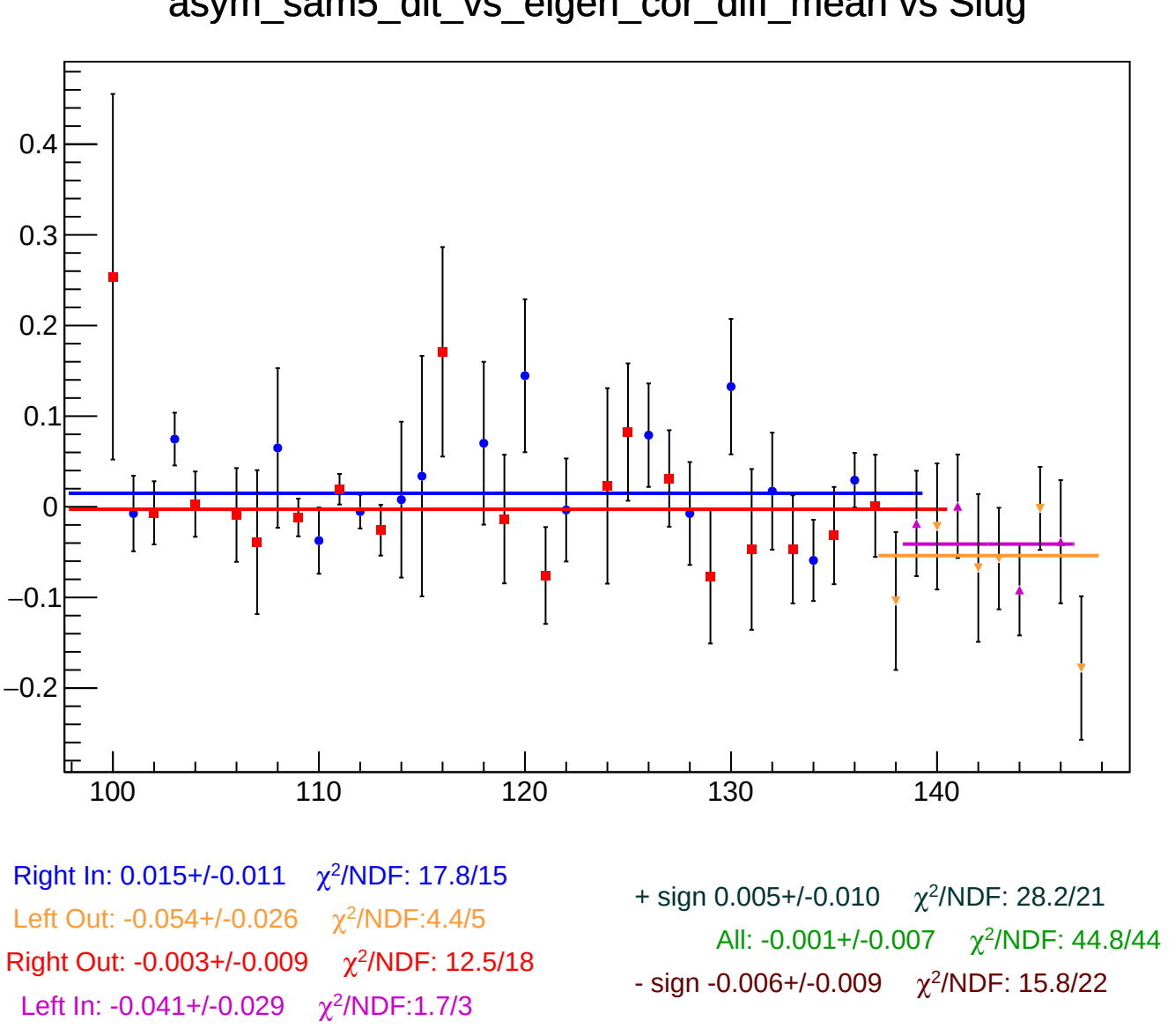
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

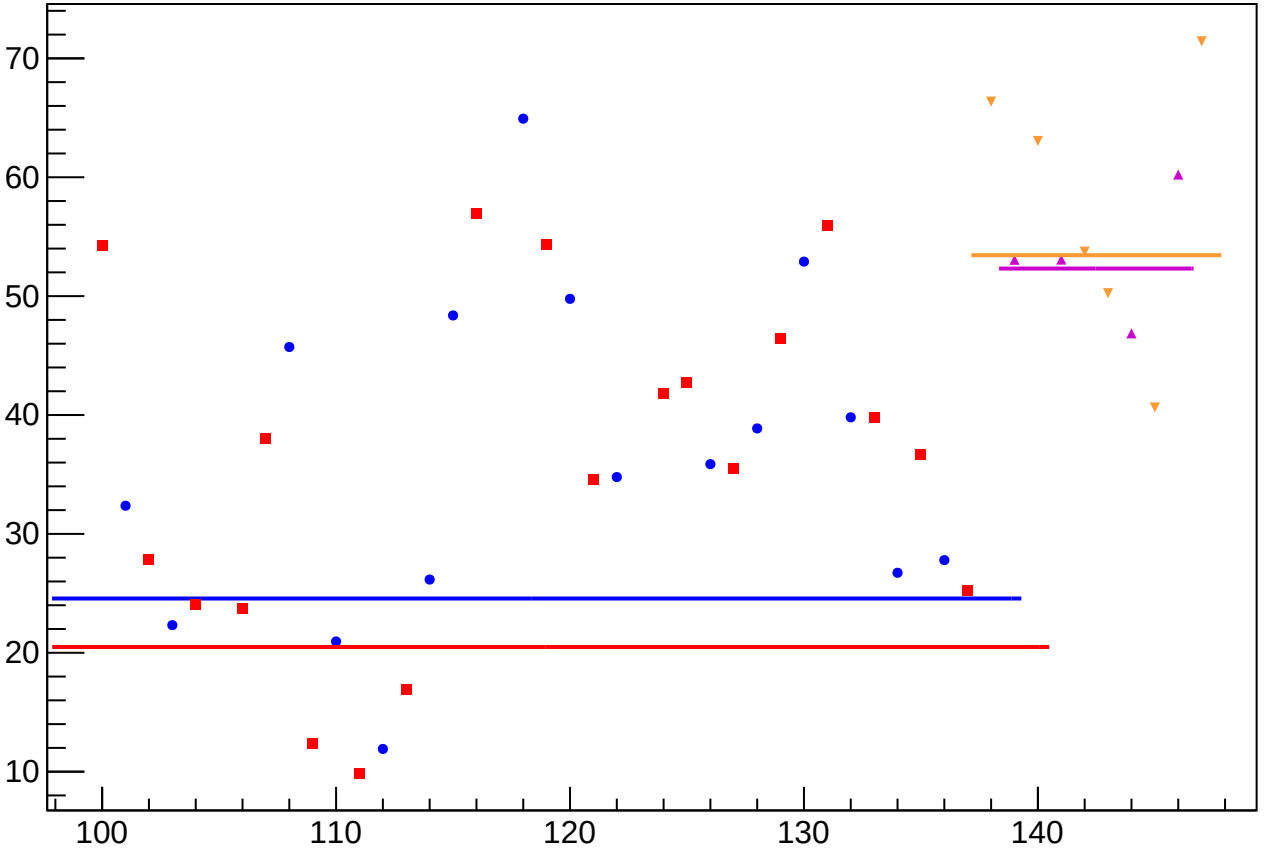
+ sign 28.689+/-0.007 χ^2/NDF: 4970775.9/21

All: 25.797+/-0.005 χ^2/NDF: 11154416.6/44

- sign 23.475+/-0.006 χ^2/NDF: 5869846.8/22


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
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.054+/-0.026 χ²/NDF:4.4/5
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.041+/-0.029 χ²/NDF:1.7/3
+ sign 0.005+/-0.010 χ²/NDF: 28.2/21
All: -0.001+/-0.007 χ²/NDF: 44.8/44
- sign -0.006+/-0.009 χ²/NDF: 15.8/22

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

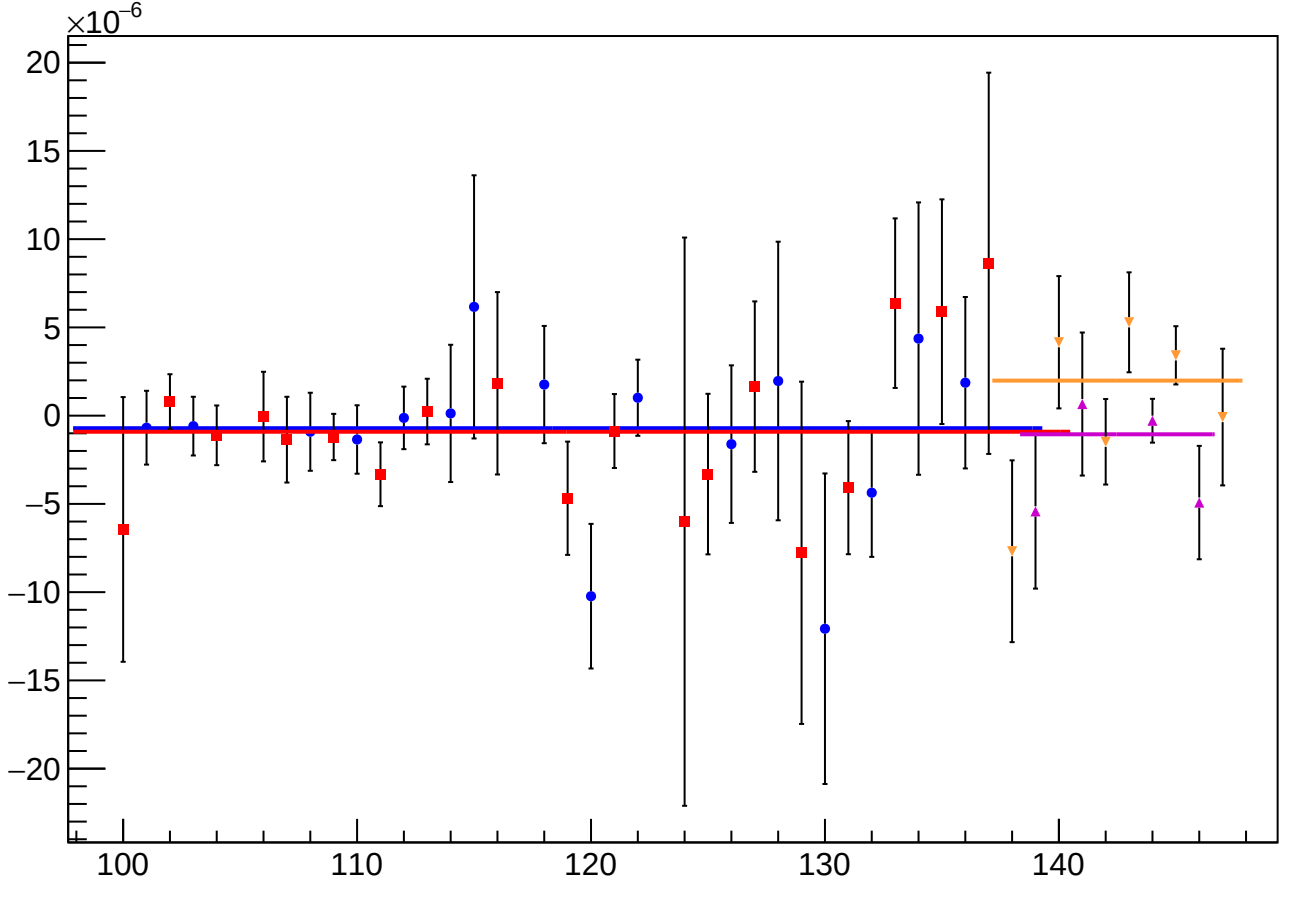
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

+ sign 28.689+/-0.007 χ^2/NDF: 4970775.9/21

All: 25.797+/-0.005 χ^2/NDF: 11154416.6/44

- sign 23.475+/-0.006 χ^2/NDF: 5869846.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

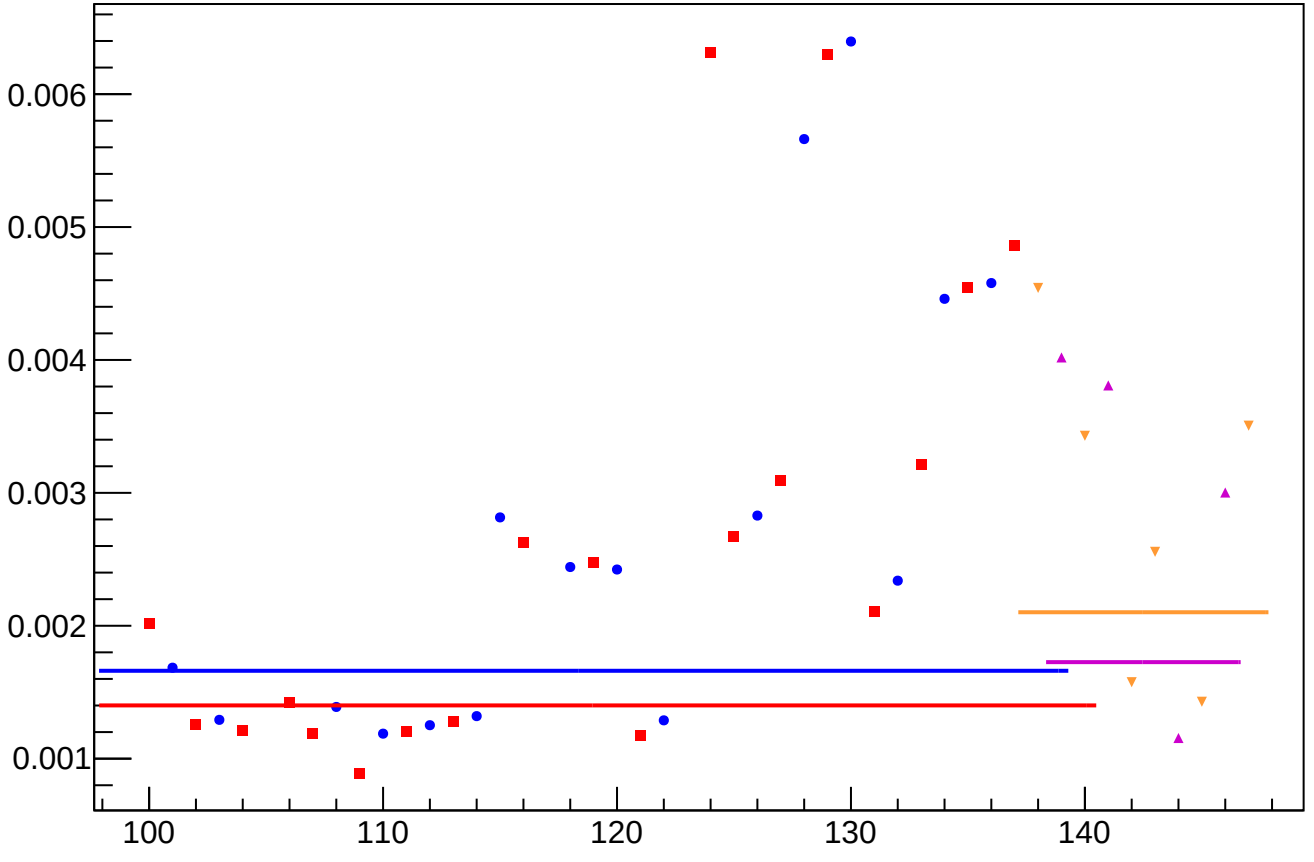
Left In: -0.000+/-0.000 χ^2/NDF:3.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/21

All: -0.000+/-0.000 χ^2/NDF: 40.5/44

- sign -0.000+/-0.000 χ^2/NDF: 14.9/22

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:1441957.0/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

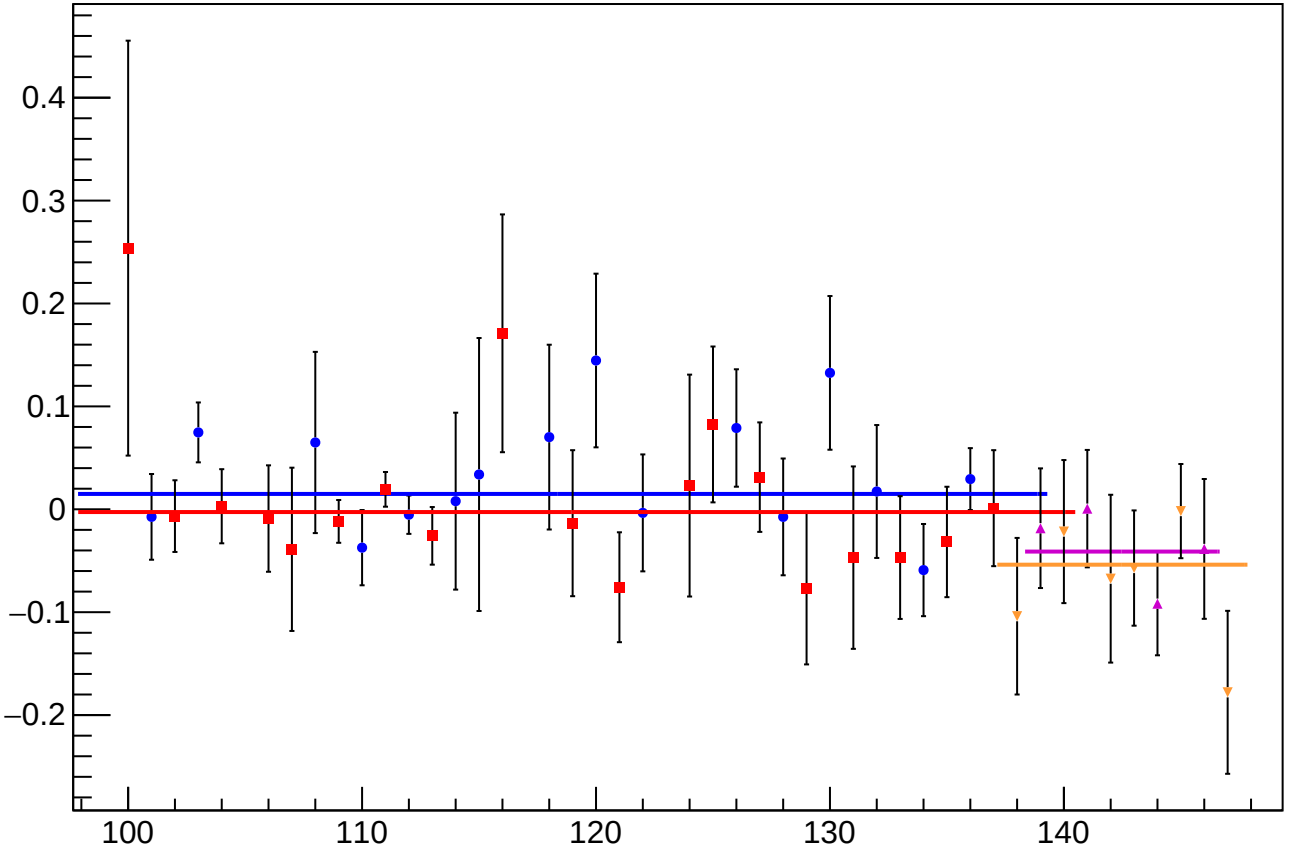
Left In: 0.002+/-0.000 χ^2/NDF:1815042.3/3

+ sign 0.002+/-0.000 χ^2/NDF: 4614507.4/21

All: 0.002+/-0.000 χ^2/NDF: 9807534.6/44

- sign 0.001+/-0.000 χ^2/NDF: 4871102.6/22

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

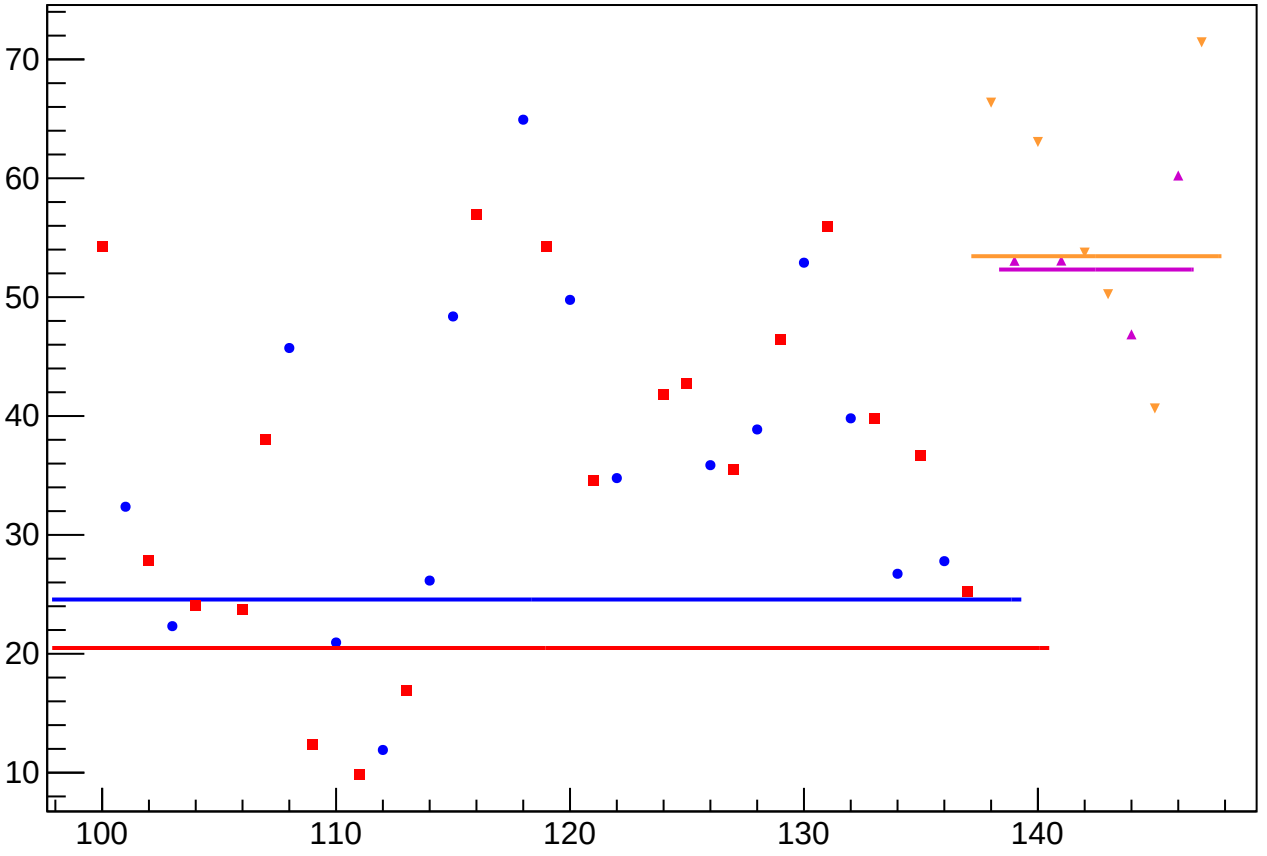
Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.001+/-0.007 χ^2/NDF: 44.8/44

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

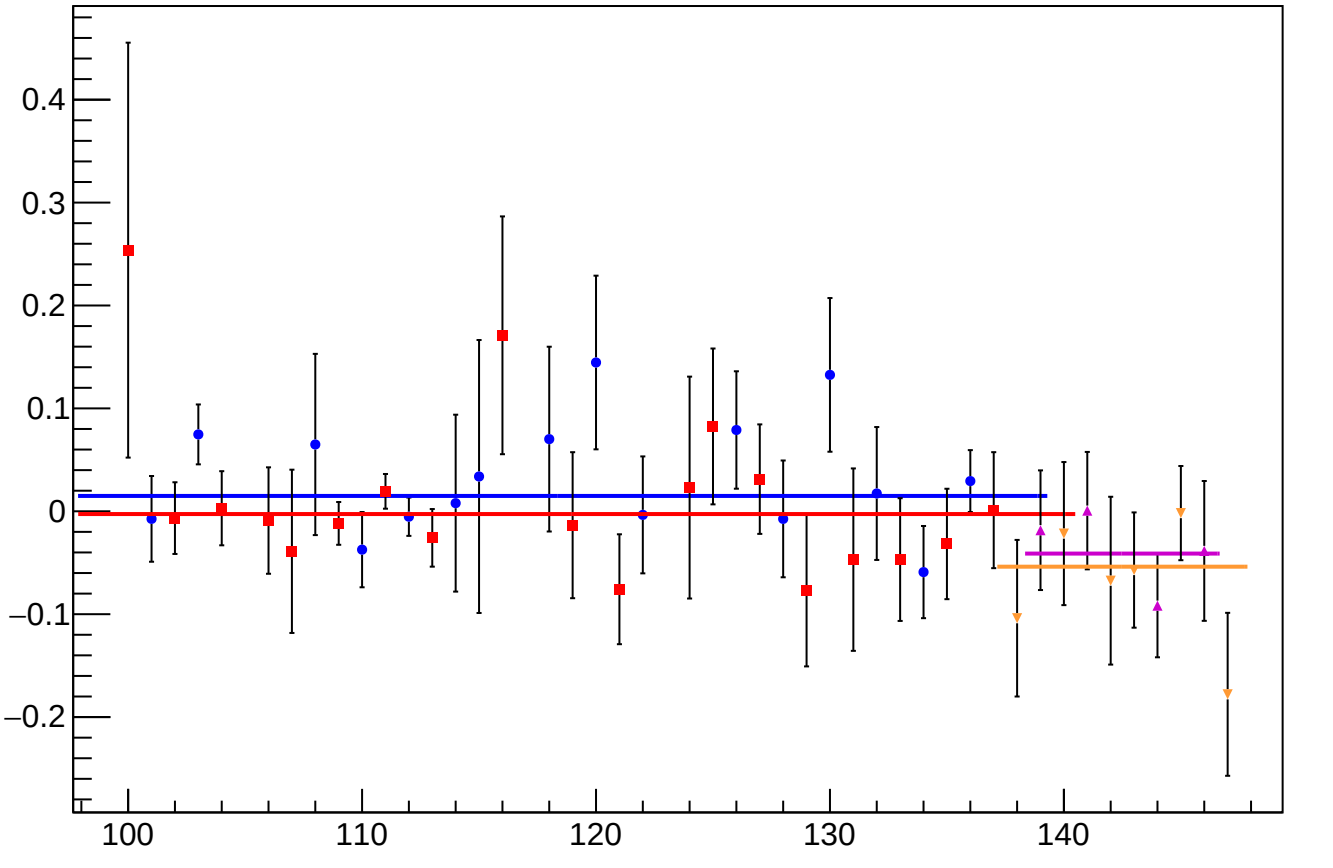
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

+ sign 28.688+/-0.007 χ^2/NDF: 4970838.7/21

All: 25.796+/-0.005 χ^2/NDF: 11154627.9/44

- sign 23.475+/-0.006 χ^2/NDF: 5869982.3/22



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

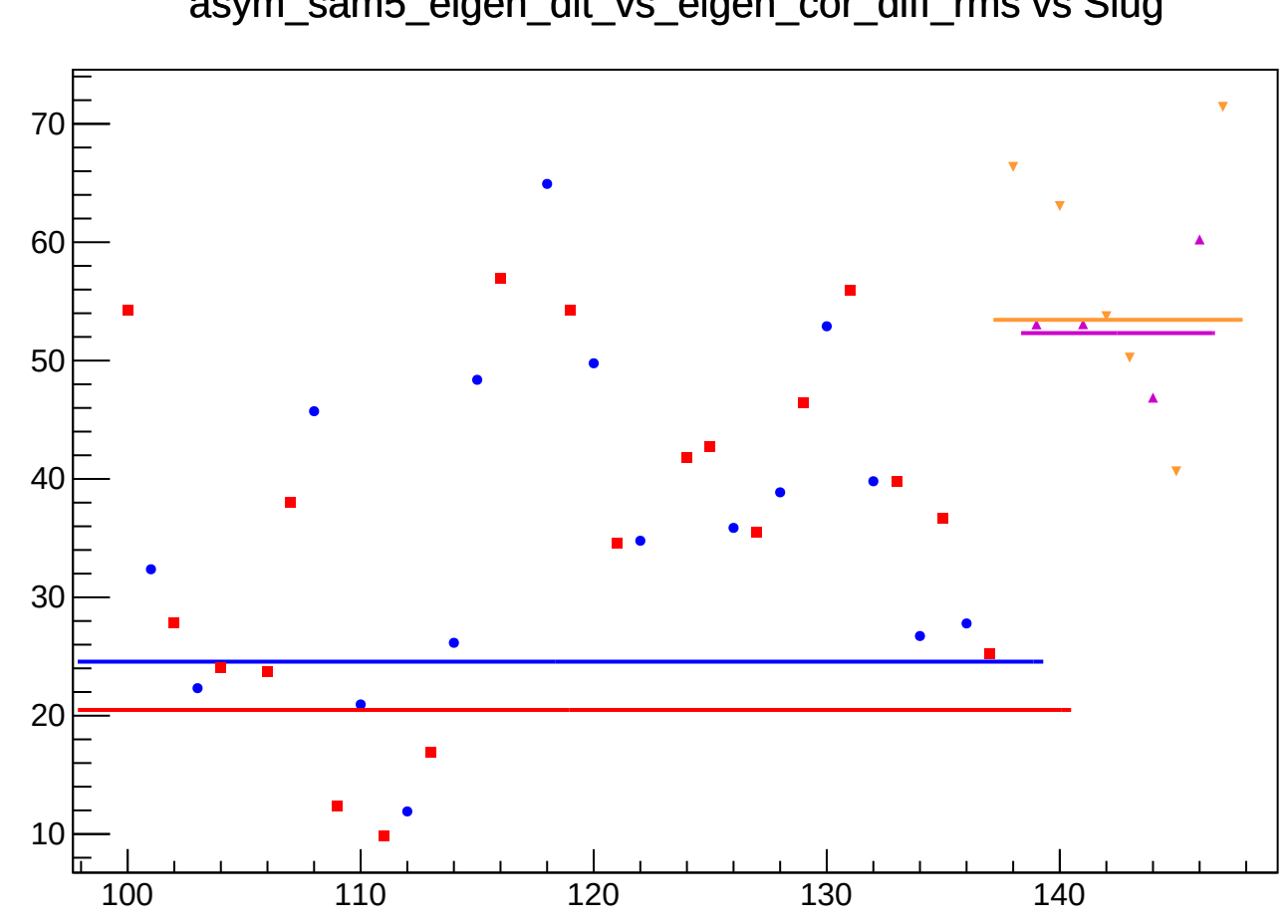
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.001+/-0.007 χ^2/NDF: 44.8/44

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

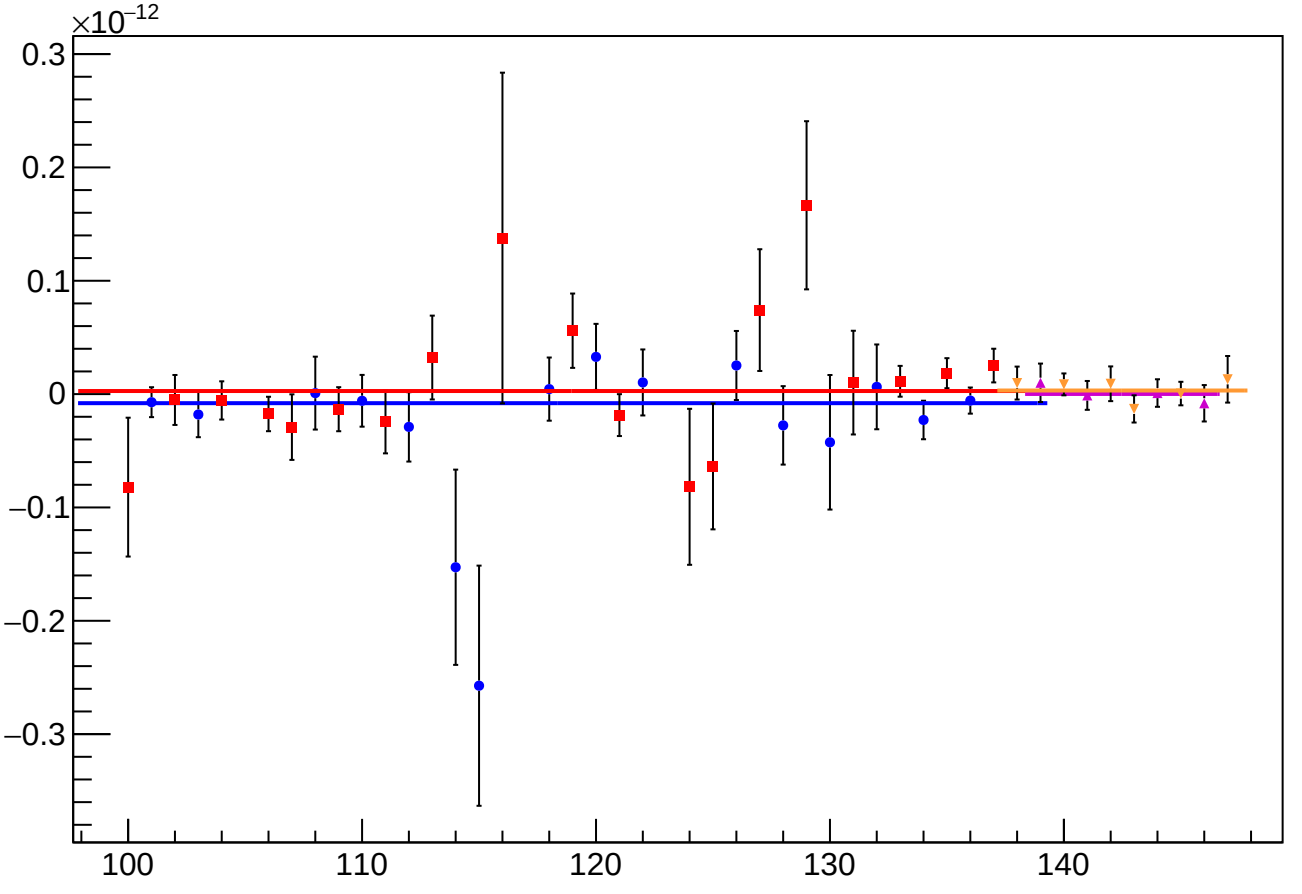
Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

+ sign 28.688+/-0.007 χ^2/NDF: 4970838.7/21

All: 25.796+/-0.005 χ^2/NDF: 11154627.9/44

- sign 23.475+/-0.006 χ^2/NDF: 5869982.3/22

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

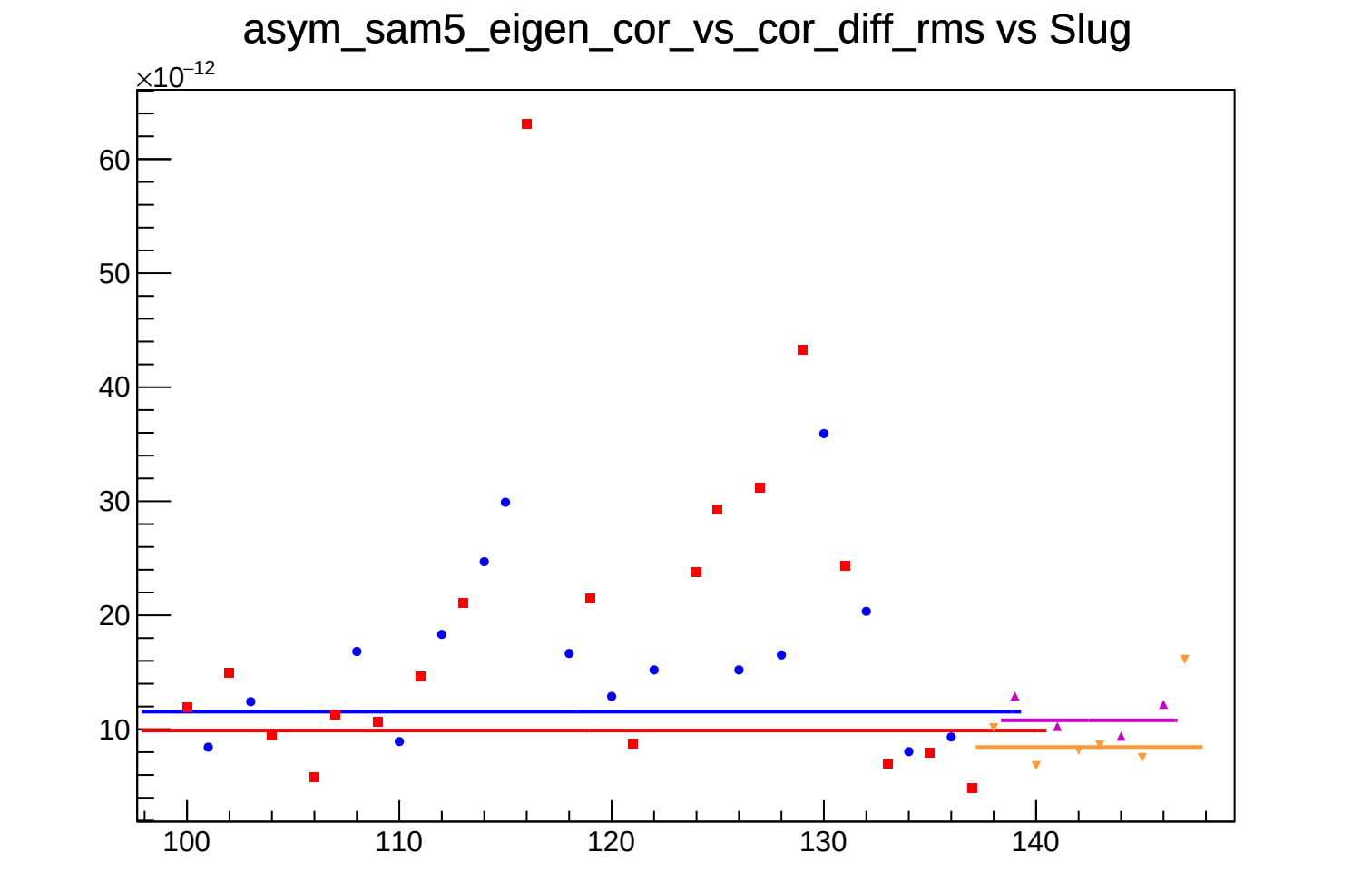
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

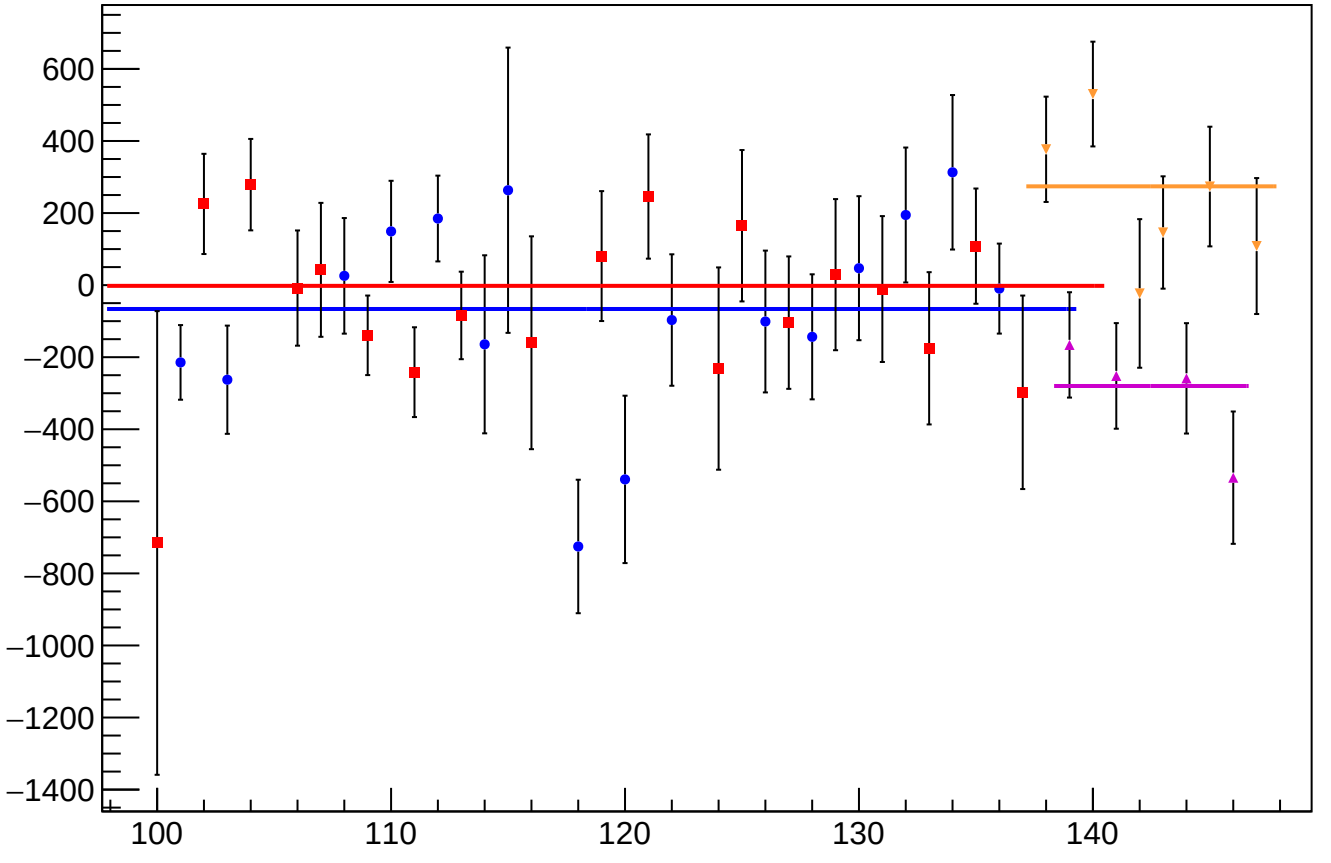
+ sign -0.000+/-0.000 χ^2/NDF: 19.4/21

All: -0.000+/-0.000 χ^2/NDF: 46.6/44

- sign 0.000+/-0.000 χ^2/NDF: 26.8/22


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:380135.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:76624.8/3
+ sign 0.000+/-0.000 χ²/NDF: 1882683.3/21
All: 0.000+/-0.000 χ²/NDF: 4626498.8/44
- sign 0.000+/-0.000 χ²/NDF: 2733521.8/22

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.131+/-66.936 χ^2/NDF:7.1/5

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

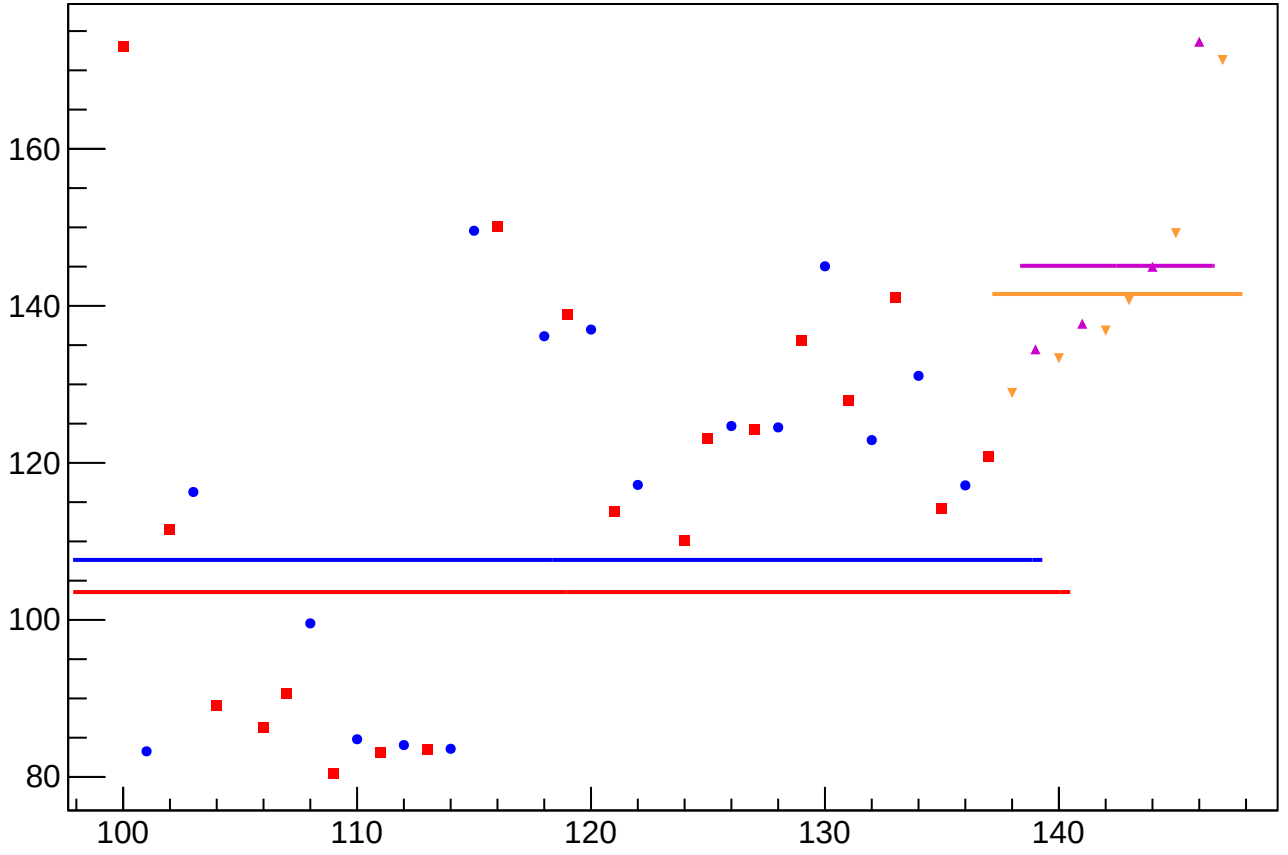
Left In: -279.935+/-77.696 χ^2/NDF:2.6/3

+ sign 26.422+/-34.924 χ^2/NDF: 60.3/21

All: -15.808+/-24.637 χ^2/NDF: 97.2/44

- sign -57.643+/-34.760 χ^2/NDF: 33.9/22

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

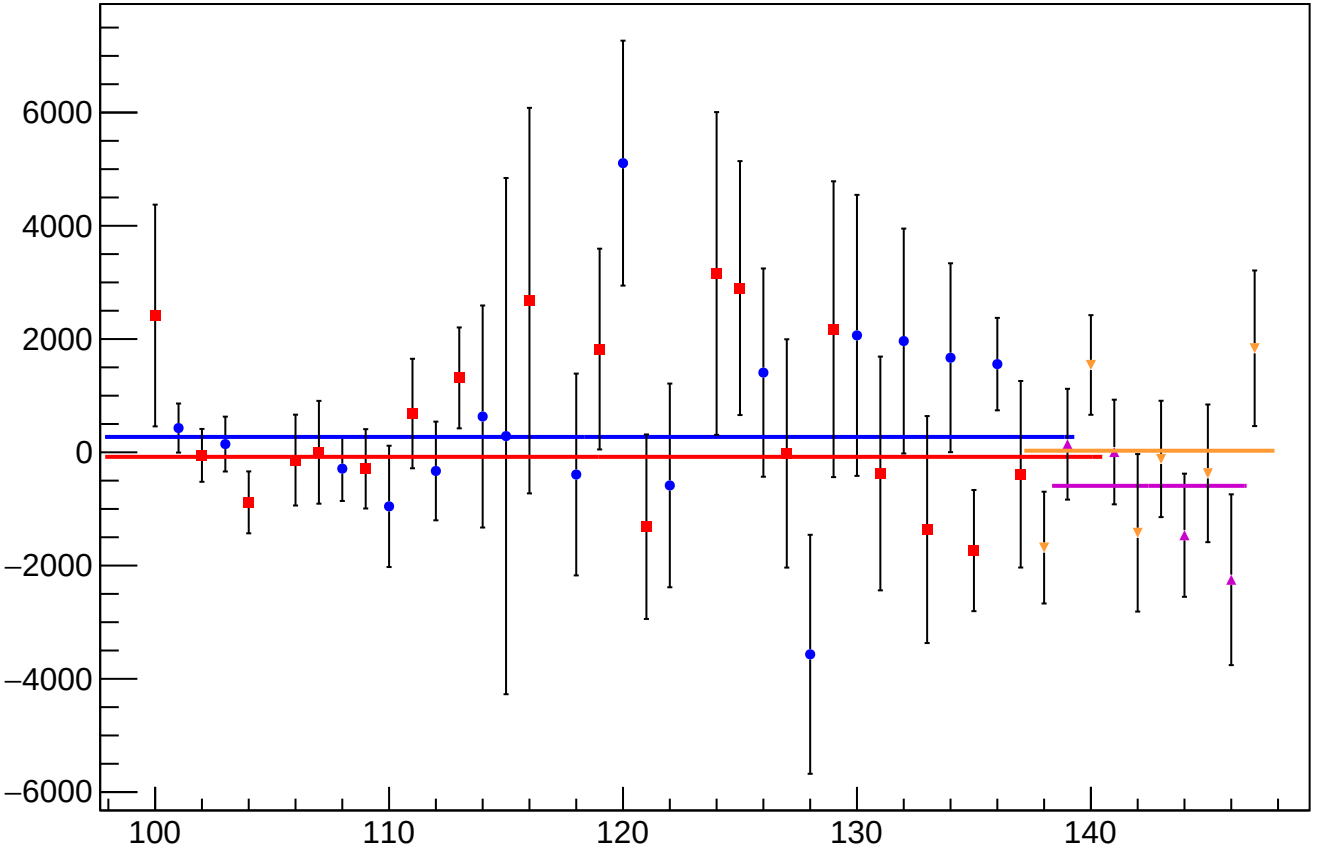
Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 114.353+/-0.017 χ^2/NDF: 2141337.9/44

- sign 111.867+/-0.025 χ^2/NDF: 1138904.5/22

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 28.269+/-447.667 χ^2/NDF:8.9/5

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

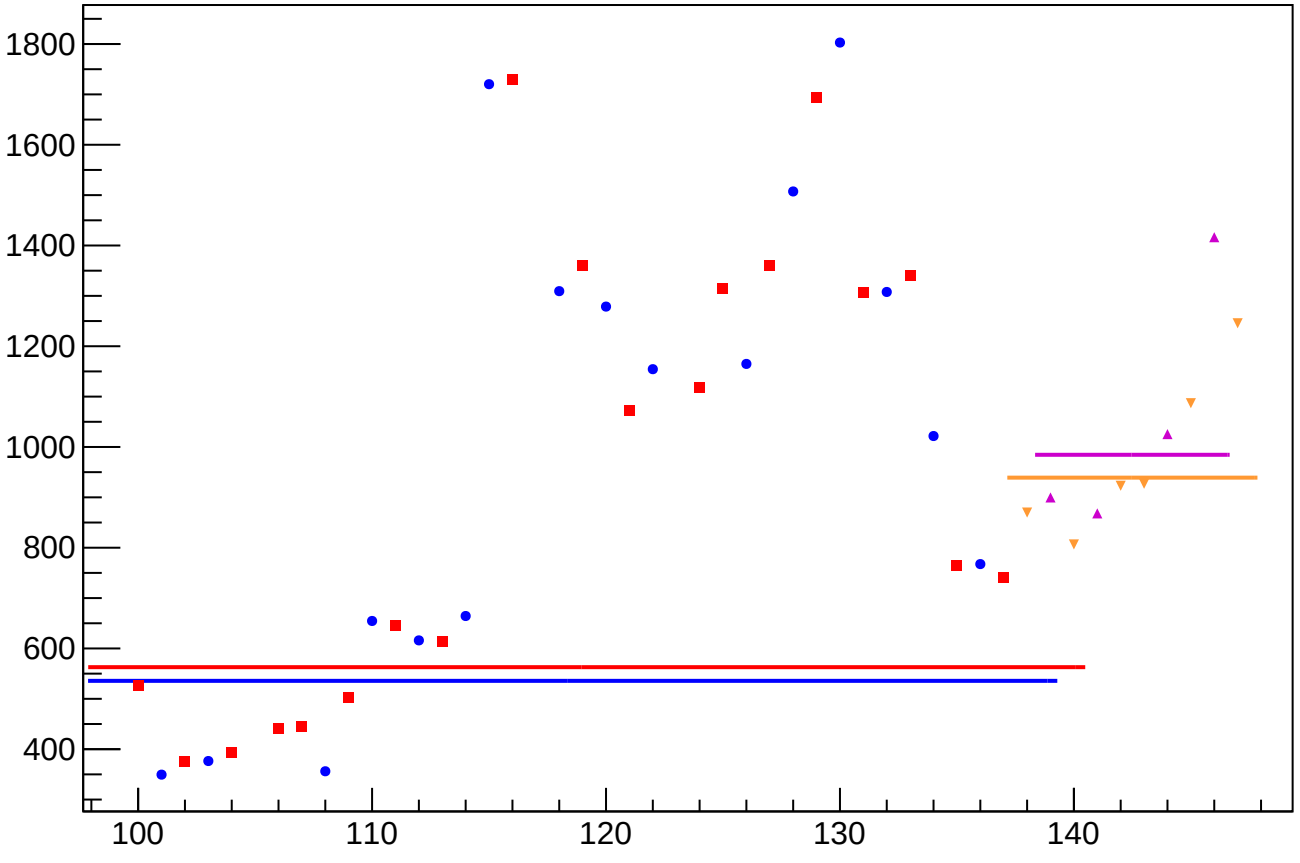
Left In: -591.921+/-534.406 χ^2/NDF:2.8/3

+ sign 220.476+/-205.045 χ^2/NDF: 25.6/21

All: 36.764+/-147.698 χ^2/NDF: 46.9/44

- sign -161.350+/-212.930 χ^2/NDF: 19.6/22

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

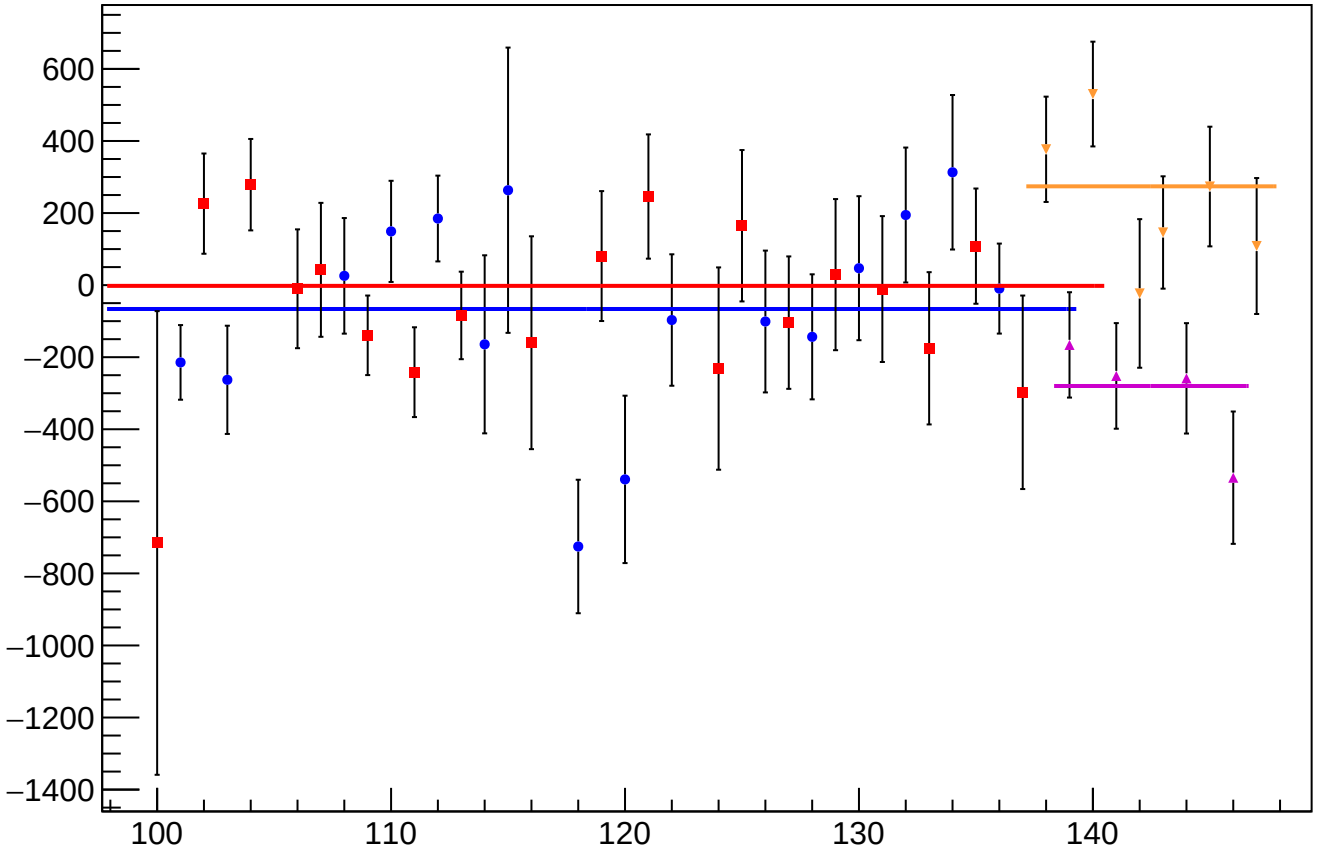
Left In: 984.476+/-0.378 χ^2/NDF:213649.4/3

+ sign 620.320+/-0.145 χ^2/NDF: 5100889.2/21

All: 624.873+/-0.104 χ^2/NDF: 9474925.4/44

- sign 629.781+/-0.151 χ^2/NDF: 4371987.5/22

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

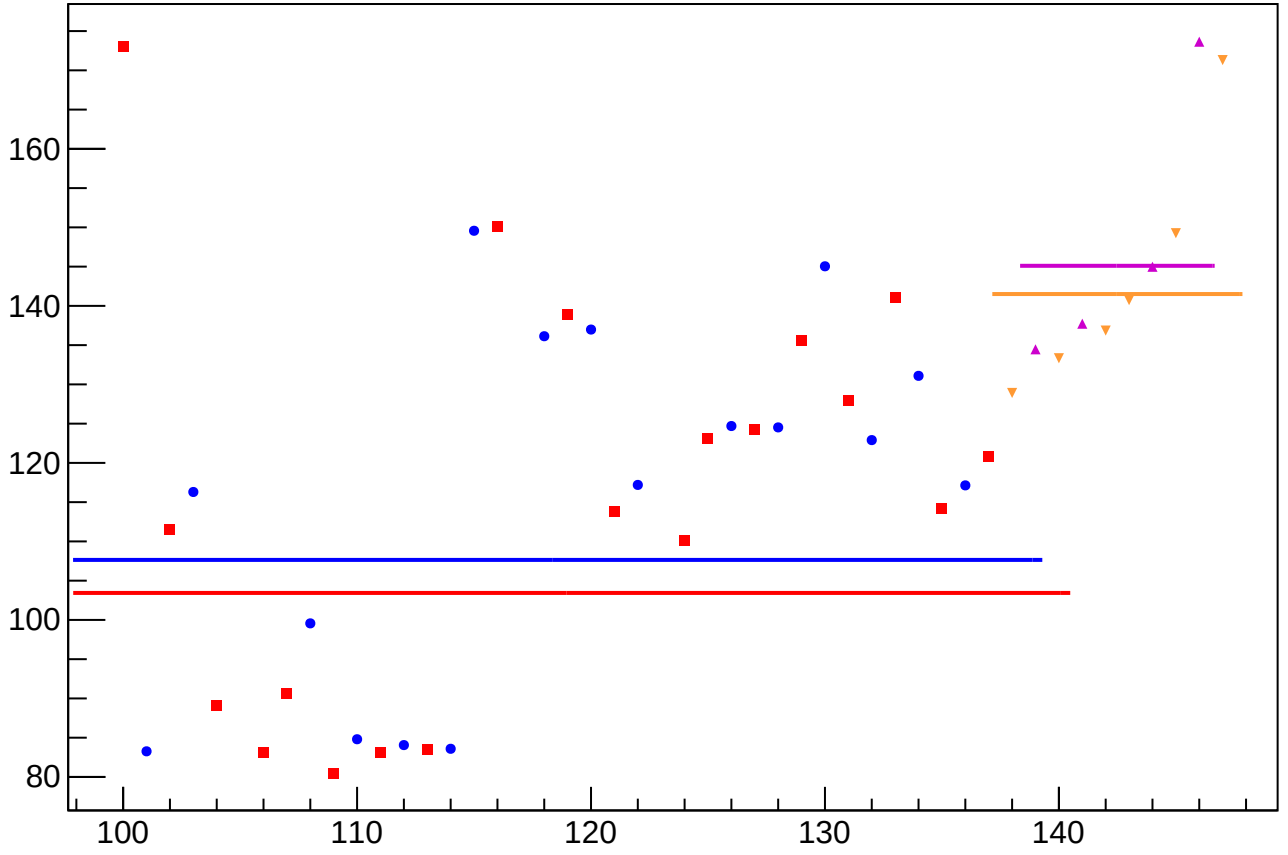
Left In: -279.940+/-77.696 χ^2/NDF:2.6/3

+ sign 26.406+/-34.924 χ^2/NDF: 60.4/21

All: -15.854+/-24.654 χ^2/NDF: 97.2/44

- sign -57.841+/-34.810 χ^2/NDF: 33.9/22

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

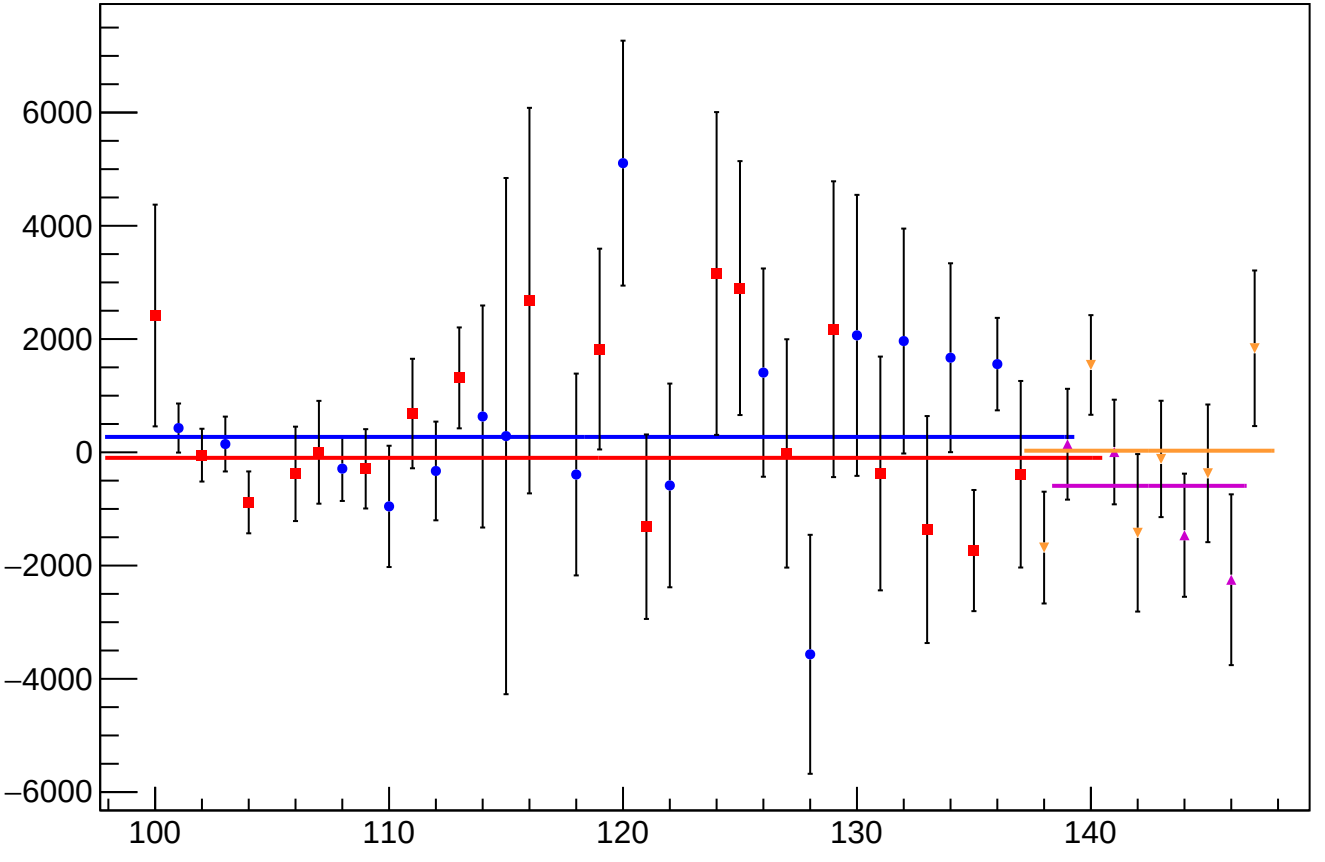
Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 114.324+/-0.017 χ^2/NDF: 2151394.7/44

- sign 111.801+/-0.025 χ^2/NDF: 1148448.4/22

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

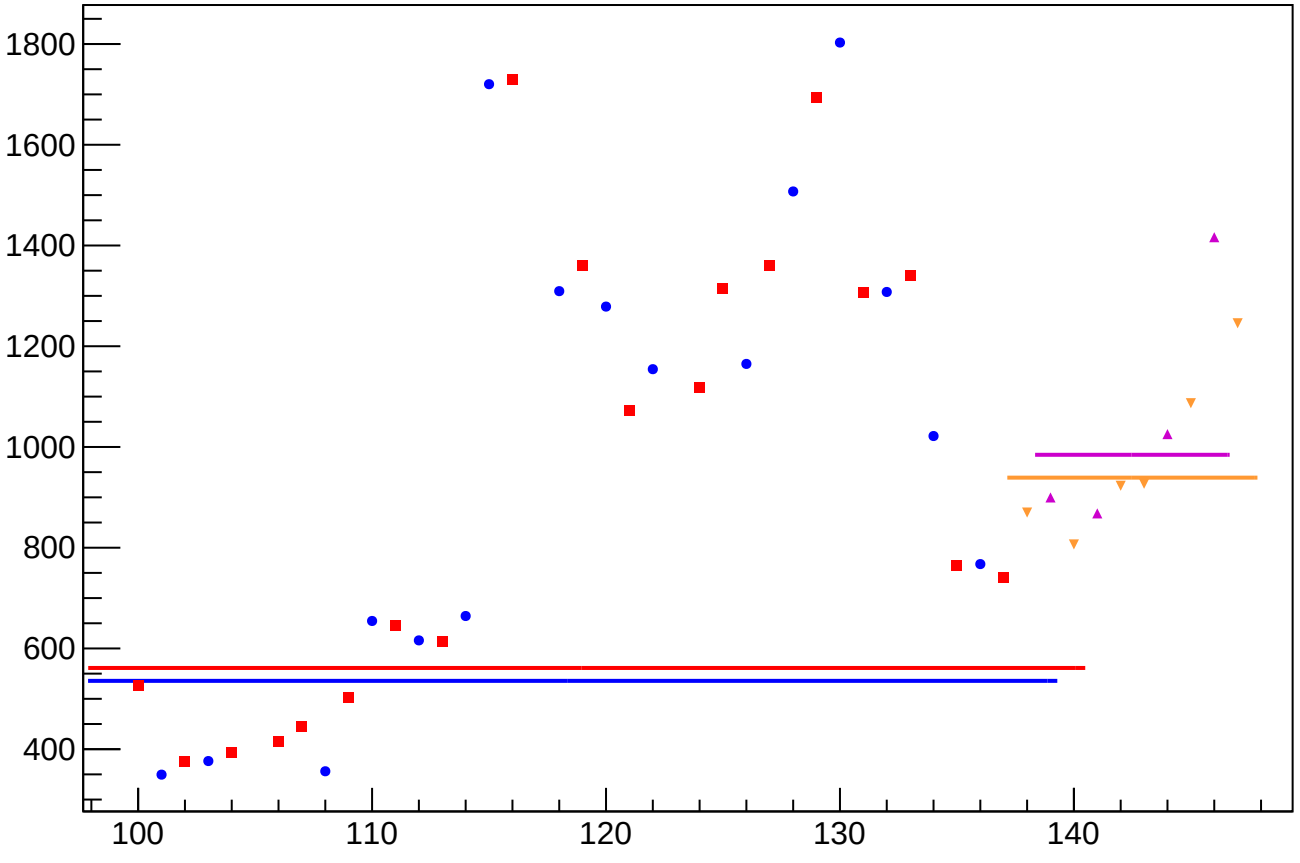
Left In: -591.908+/-534.407 χ^2/NDF:2.8/3

+ sign 220.593+/-205.040 χ^2/NDF: 25.6/21

All: 29.923+/-147.857 χ^2/NDF: 47.1/44

- sign -176.639+/-213.414 χ^2/NDF: 19.7/22

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

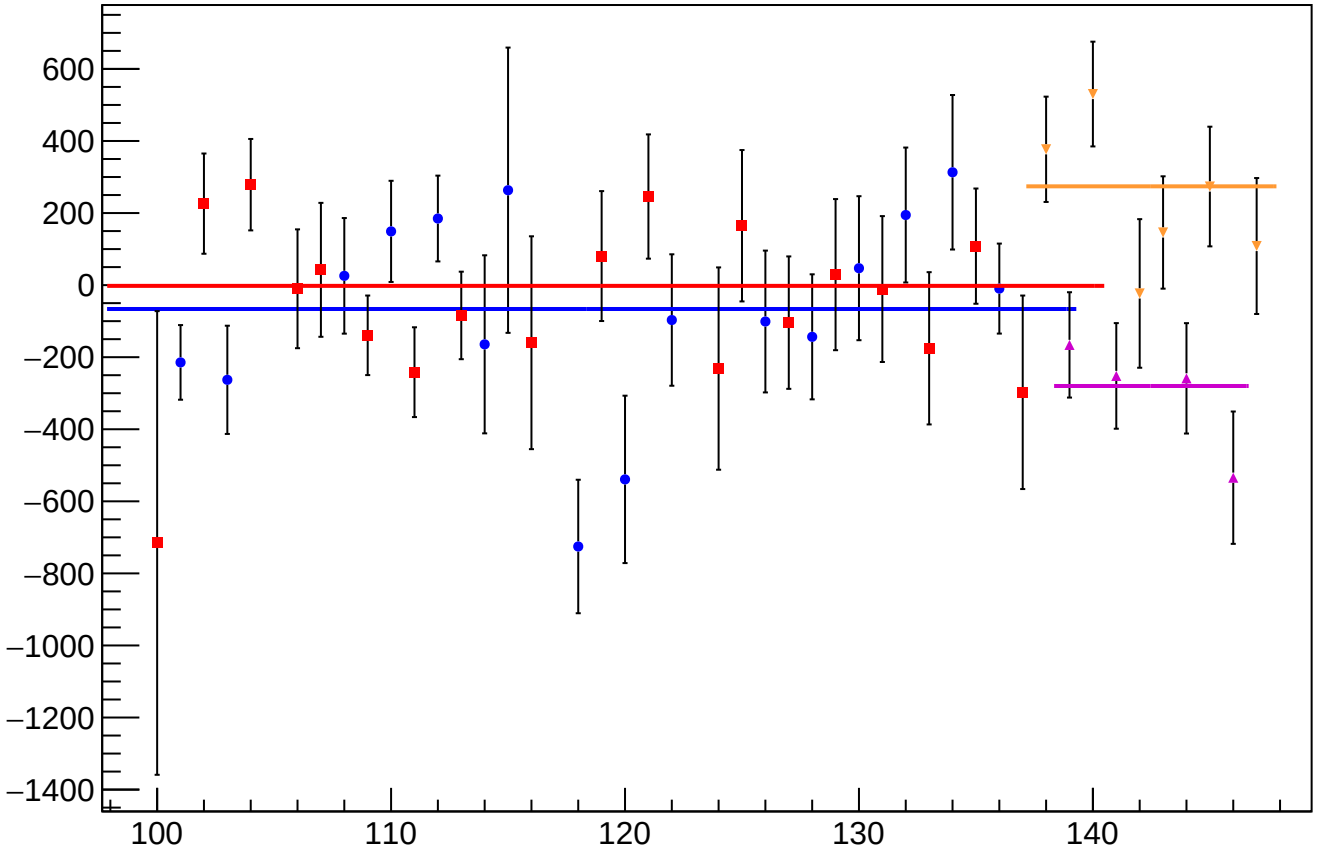
Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

+ sign 620.299+/-0.145 χ^2/NDF: 5101243.7/21

All: 624.361+/-0.105 χ^2/NDF: 9501531.0/44

- sign 628.762+/-0.151 χ^2/NDF: 4398652.0/22

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

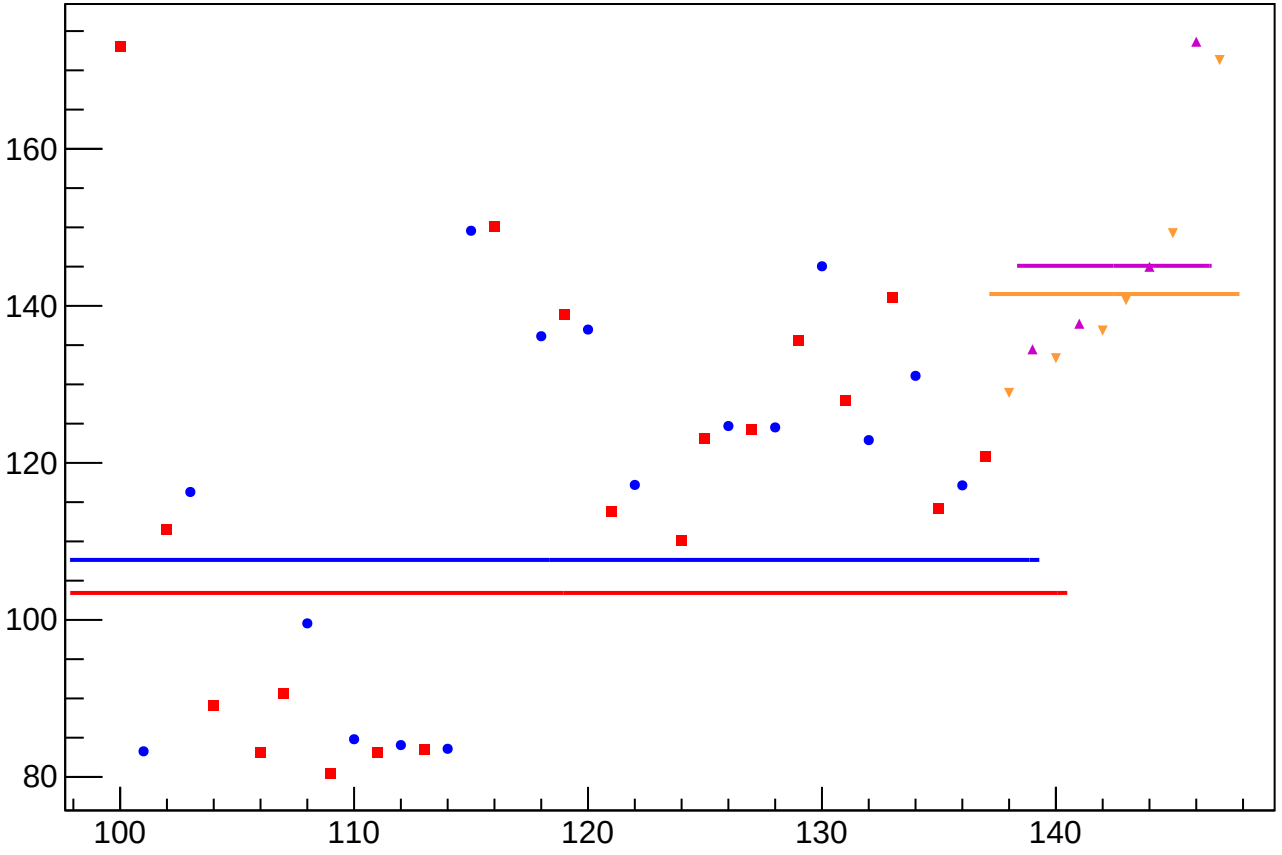
Left In: -279.940+/-77.696 χ^2/NDF:2.6/3

+ sign 26.406+/-34.924 χ^2/NDF: 60.4/21

All: -15.854+/-24.654 χ^2/NDF: 97.2/44

- sign -57.841+/-34.810 χ^2/NDF: 33.9/22

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

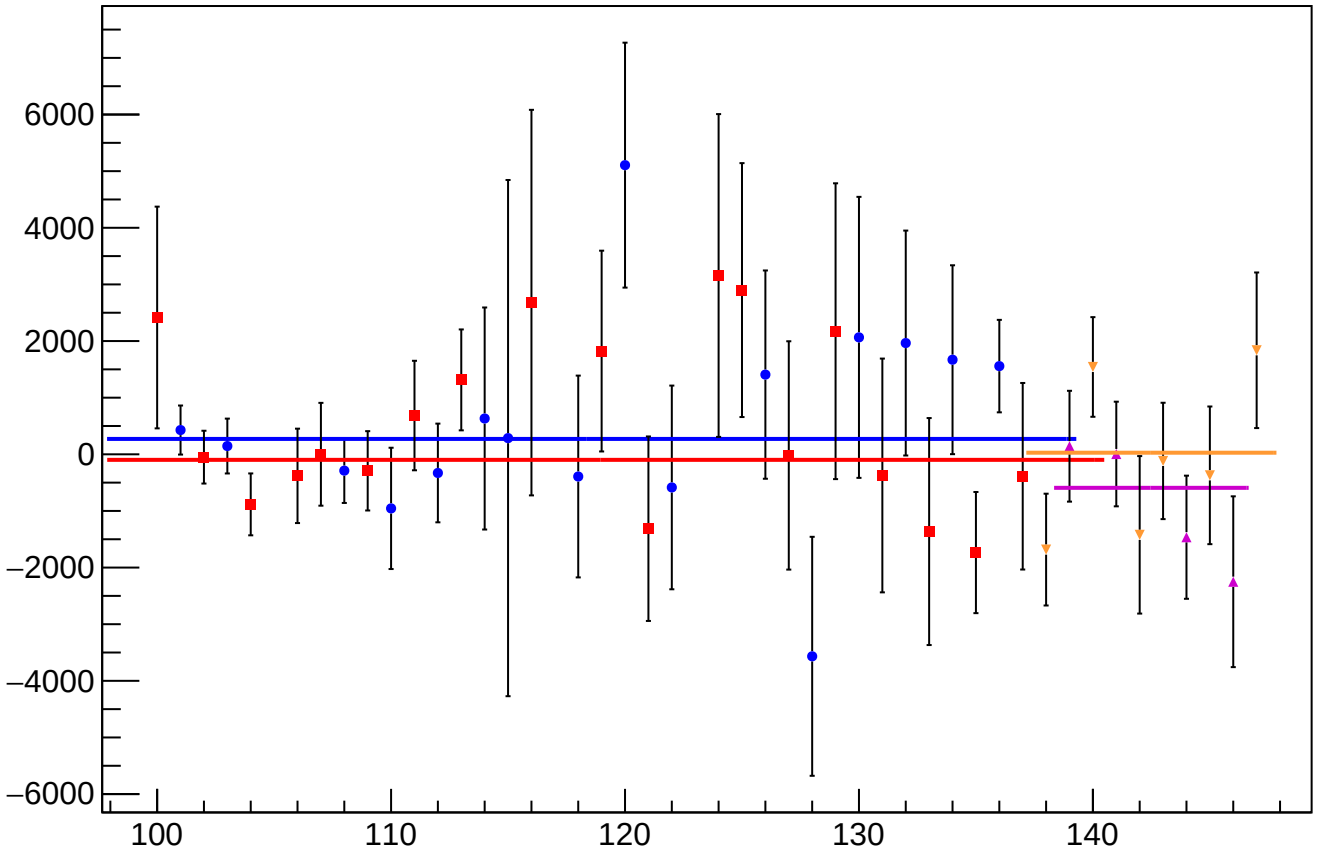
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 114.324+/-0.017 χ^2/NDF: 2151394.7/44

- sign 111.801+/-0.025 χ^2/NDF: 1148448.4/22



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

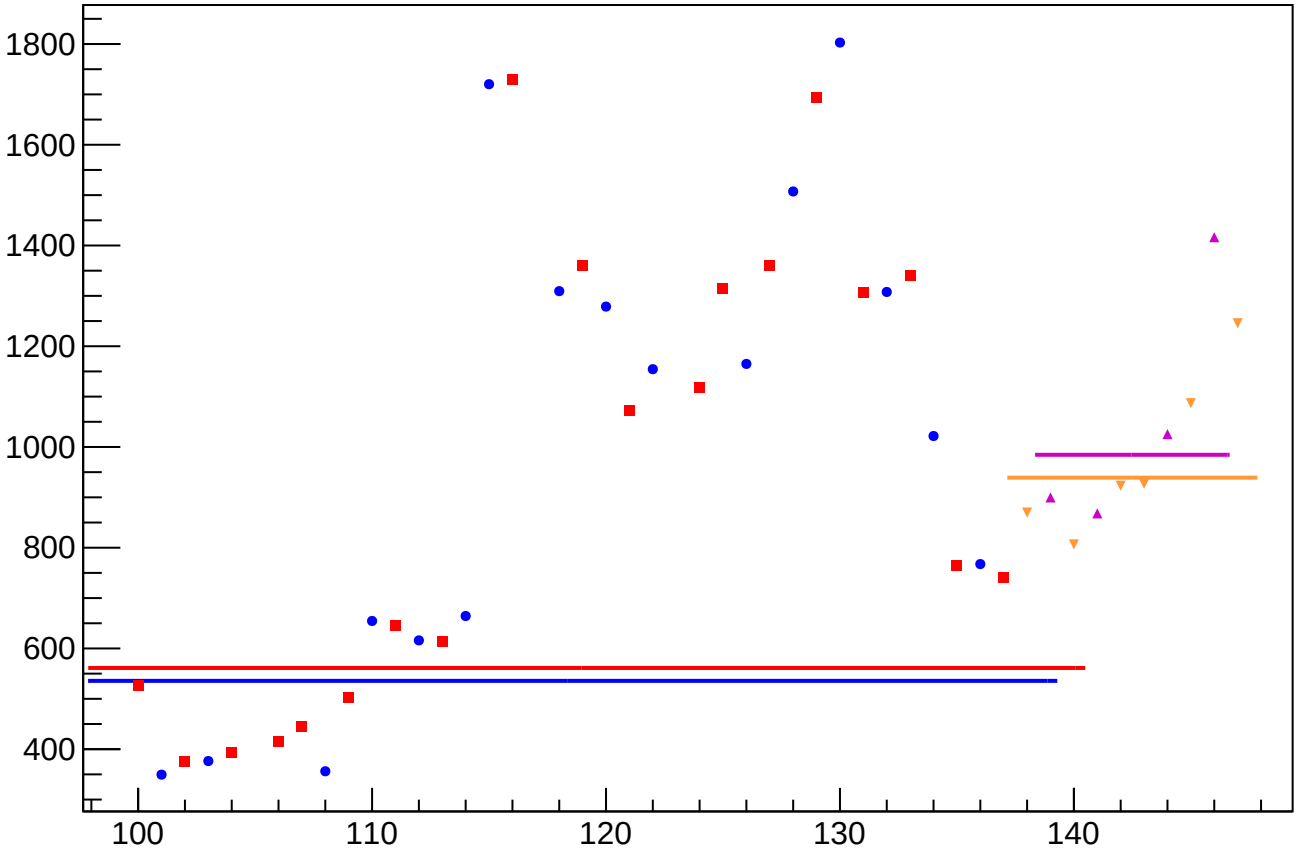
Left In: -591.908+/-534.407 χ^2/NDF:2.8/3

+ sign 220.593+/-205.040 χ^2/NDF: 25.6/21

All: 29.923+/-147.857 χ^2/NDF: 47.1/44

- sign -176.639+/-213.414 χ^2/NDF: 19.7/22

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

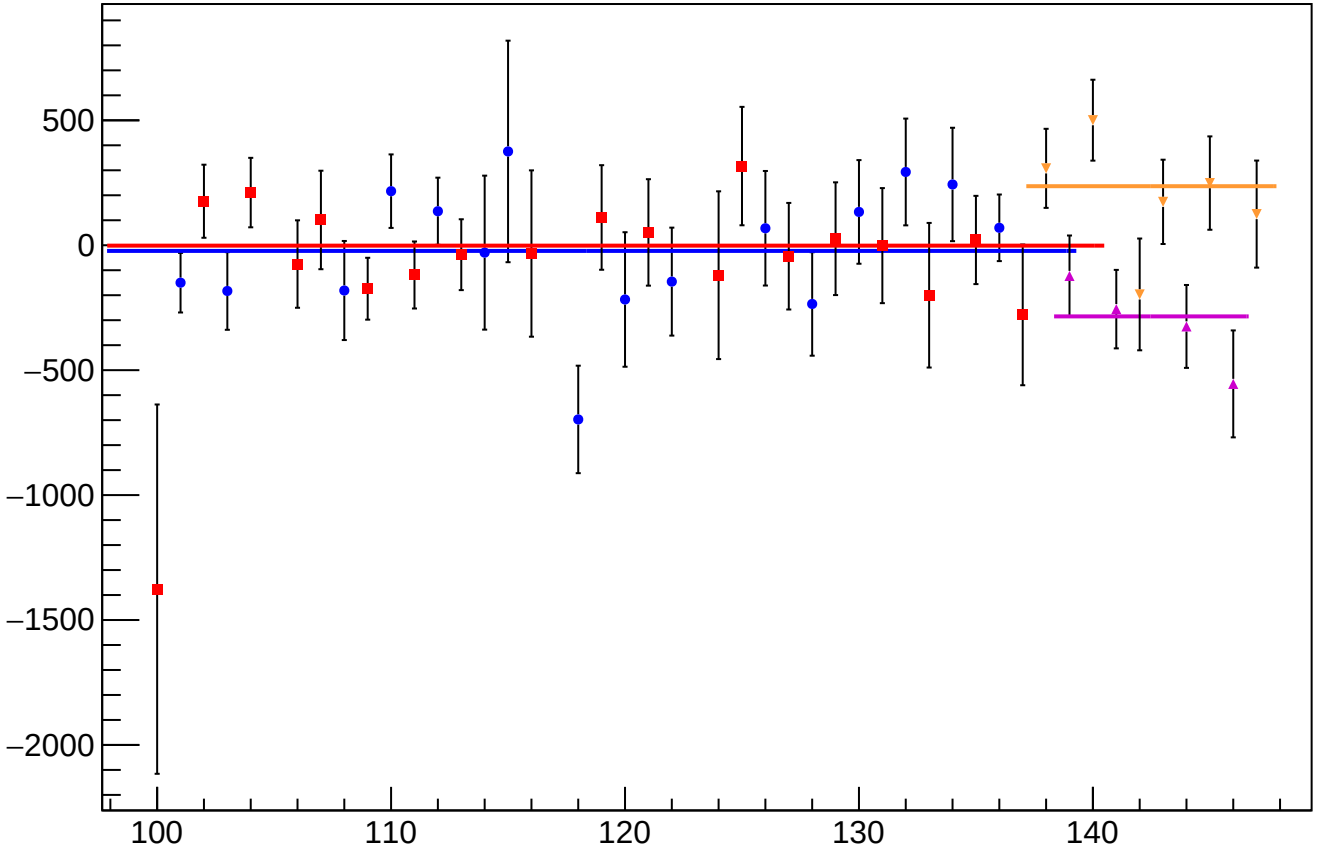
Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

+ sign 620.299+/-0.145 χ^2/NDF: 5101243.7/21

All: 624.361+/-0.105 χ^2/NDF: 9501531.0/44

- sign 628.762+/-0.151 χ^2/NDF: 4398652.0/22

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.308+/-73.795 χ^2/NDF:7.0/5

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

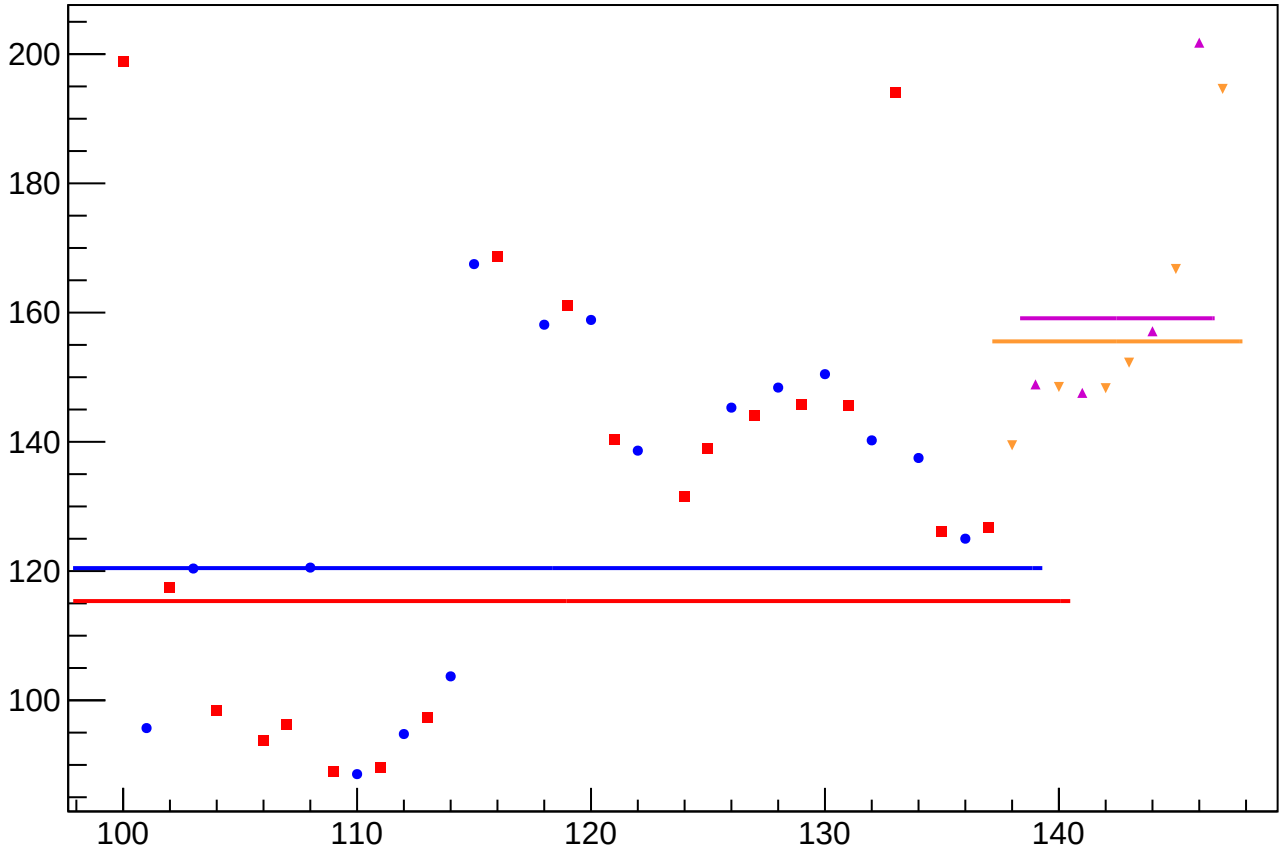
Left In: -284.780+/-85.480 χ^2/NDF:2.7/3

\+ sign 49.587+/-38.981 χ^2/NDF: 40.1/21

All: -5.435+/-27.504 χ^2/NDF: 69.7/44

\- sign -59.984+/-38.813 χ^2/NDF: 25.7/22

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 155.544+/-0.052 χ^2/NDF:101011.4/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

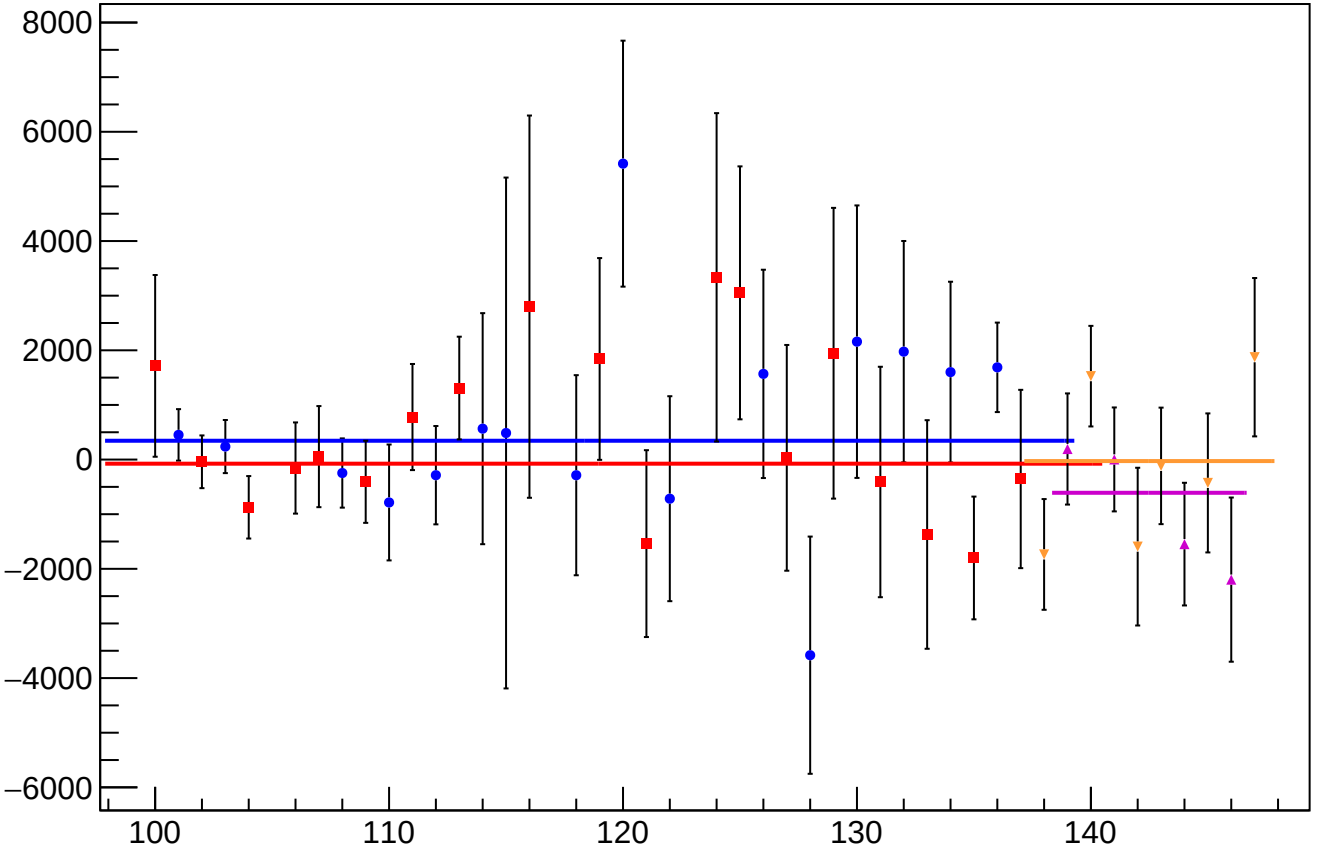
Left In: 159.121+/-0.060 χ^2/NDF:98520.6/3

+ sign 130.248+/-0.028 χ^2/NDF: 957306.1/21

All: 127.302+/-0.019 χ^2/NDF: 2261979.3/44

- sign 124.380+/-0.027 χ^2/NDF: 1281911.0/22

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -27.705+/-465.930 χ^2/NDF:8.7/5

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

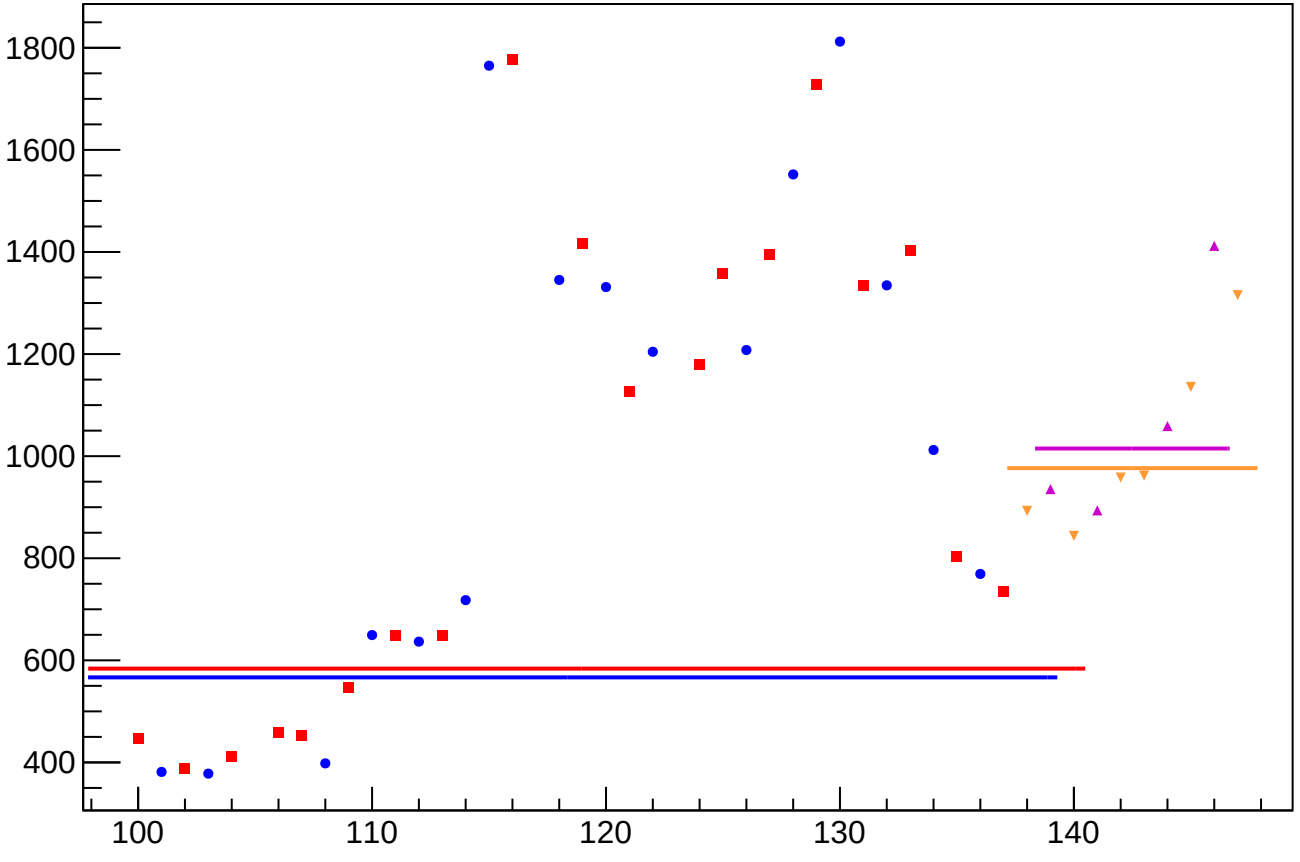
Left In: -608.155+/-549.879 χ^2/NDF:2.9/3

\+ sign 265.615+/-214.432 χ^2/NDF: 25.4/21

All: 58.112+/-153.669 χ^2/NDF: 46.3/44

\- sign -160.963+/-220.330 χ^2/NDF: 18.9/22

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 976.530+/-0.329 χ^2/NDF:196429.9/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

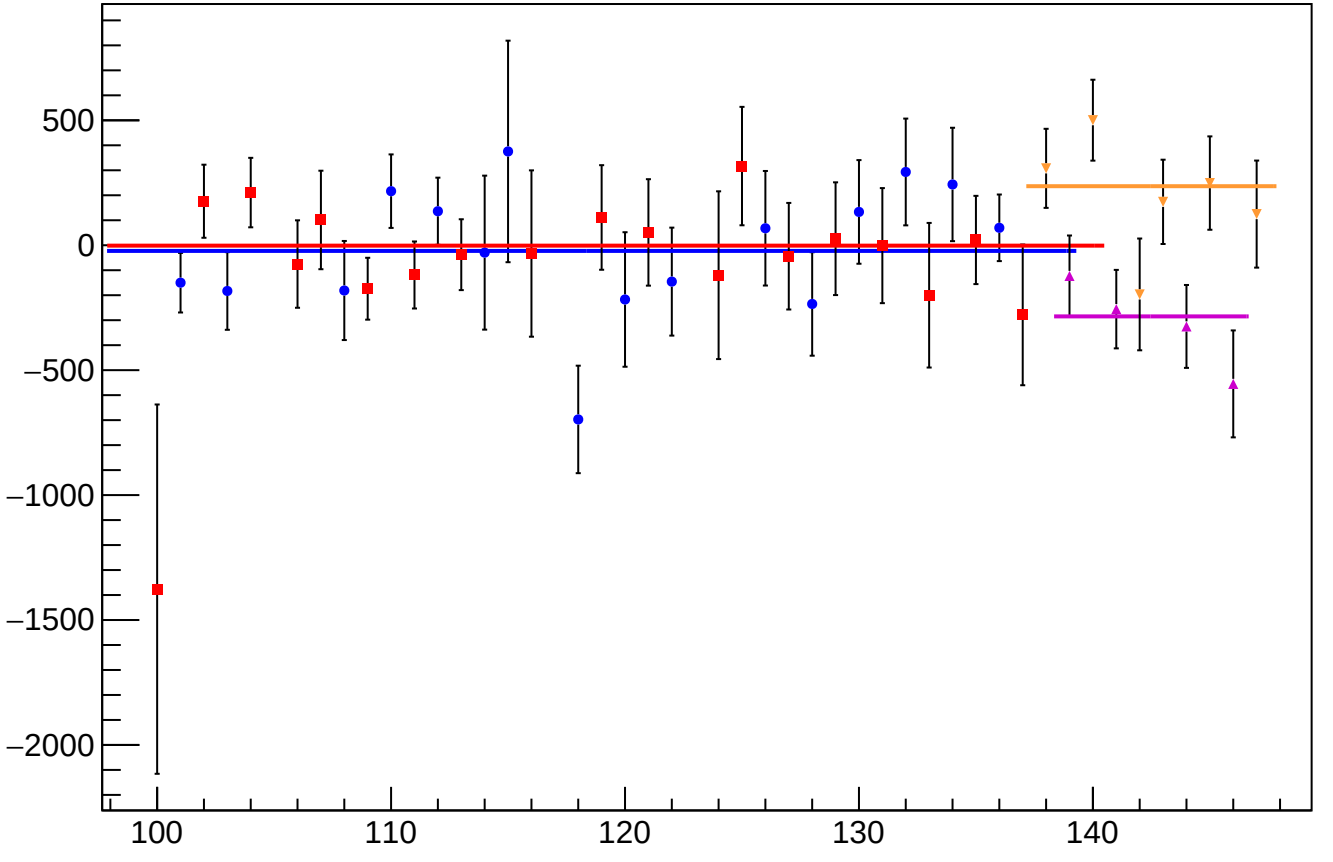
Left In: 1014.984+/-0.389 χ^2/NDF:187350.8/3

+ sign 653.429+/-0.152 χ^2/NDF: 4849075.5/21

All: 653.231+/-0.109 χ^2/NDF: 9176294.1/44

- sign 653.022+/-0.156 χ^2/NDF: 4327215.1/22

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.311+/-73.794 χ^2/NDF:7.0/5

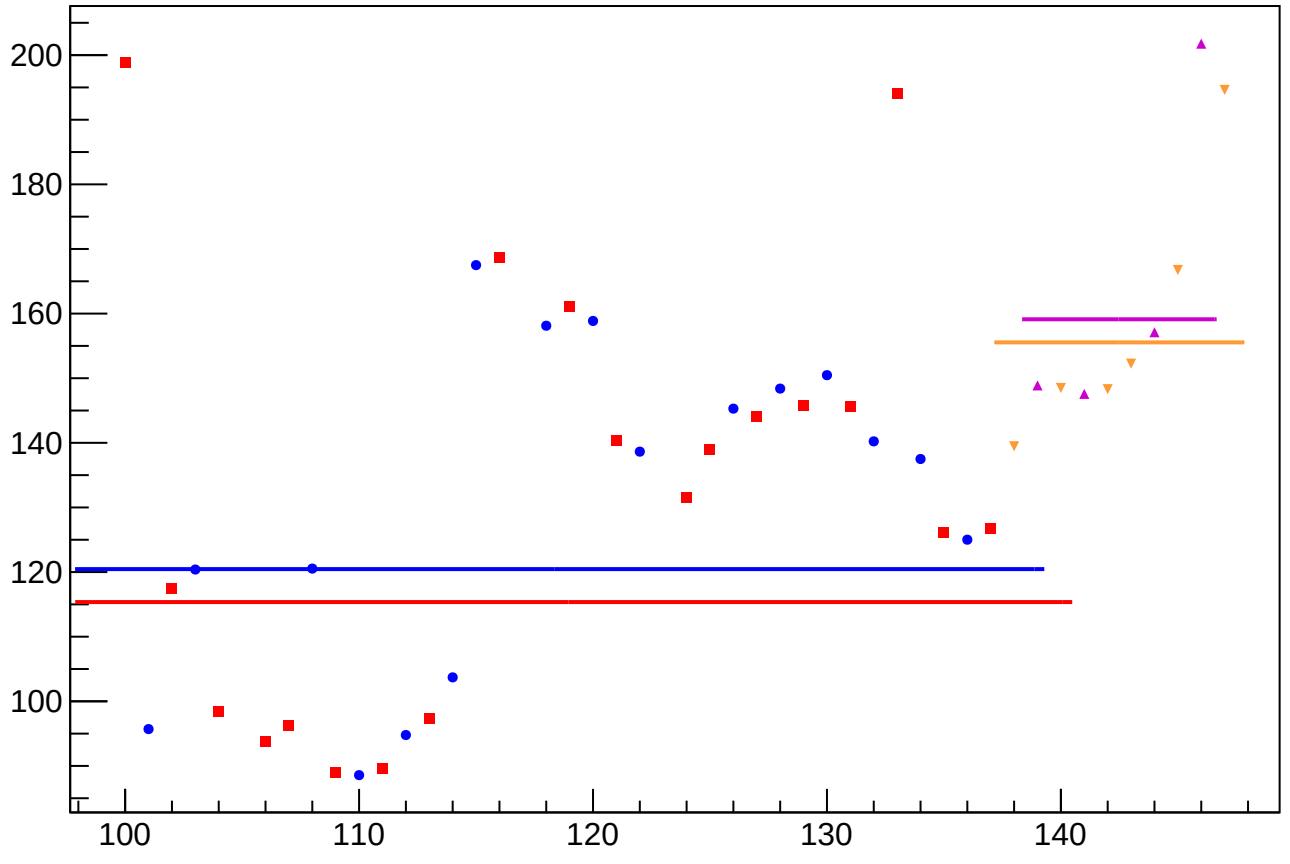
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -284.778+/-85.480 χ^2/NDF:2.7/3

+ sign 49.586+/-38.981 χ^2/NDF: 40.1/21

All: -5.435+/-27.504 χ^2/NDF: 69.8/44

- sign -59.985+/-38.813 χ^2/NDF: 25.7/22



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 155.544+/-0.052 χ^2/NDF:101010.2/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

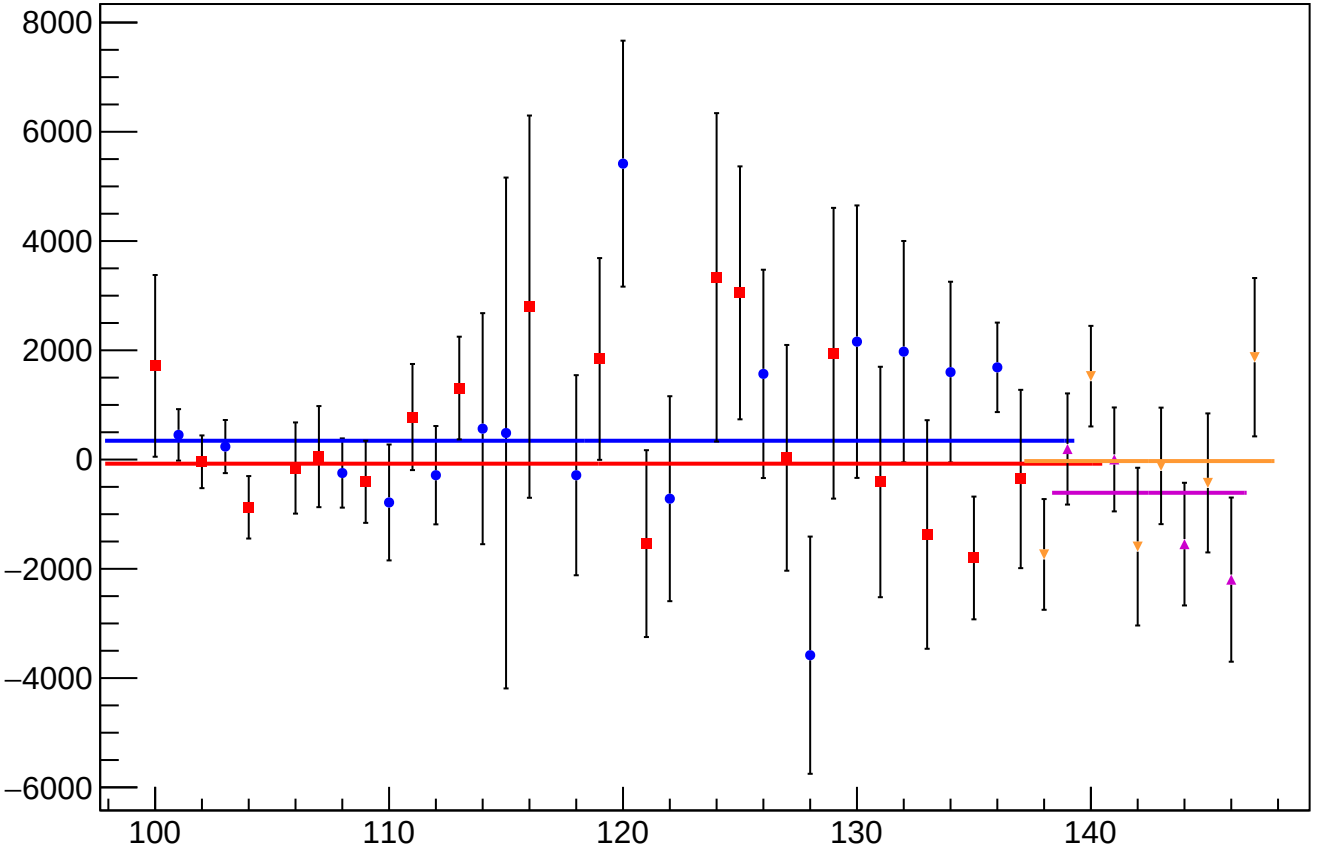
Left In: 159.120+/-0.060 χ^2/NDF:98521.2/3

+ sign 130.248+/-0.028 χ^2/NDF: 957309.6/21

All: 127.301+/-0.019 χ^2/NDF: 2261983.0/44

- sign 124.380+/-0.027 χ^2/NDF: 1281911.5/22

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -27.700+/-465.929 χ^2/NDF:8.7/5

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

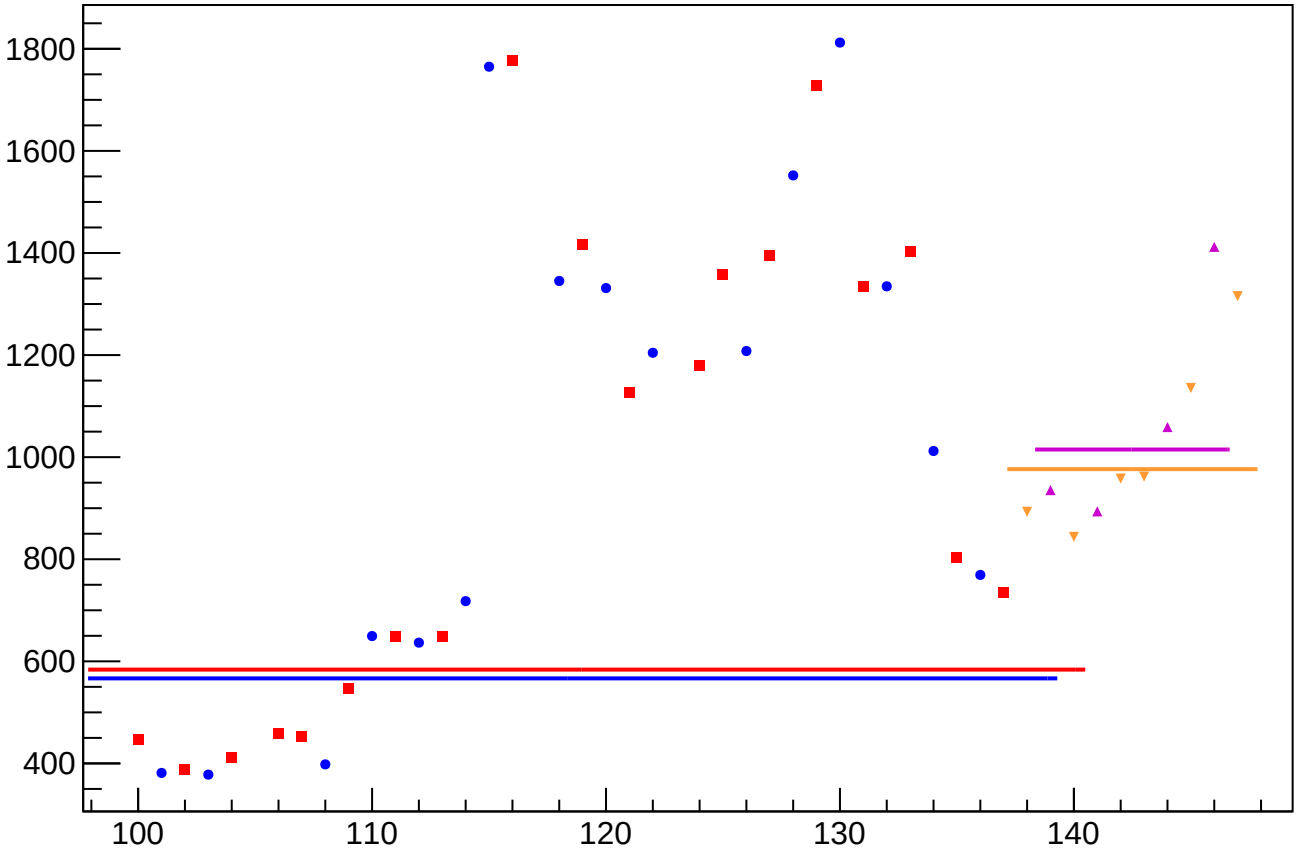
Left In: -608.153+/-549.878 χ^2/NDF:2.9/3

+ sign 265.615+/-214.432 χ^2/NDF: 25.4/21

All: 58.112+/-153.669 χ^2/NDF: 46.3/44

- sign -160.964+/-220.330 χ^2/NDF: 18.9/22

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 976.528+/-0.329 χ^2/NDF:196430.0/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

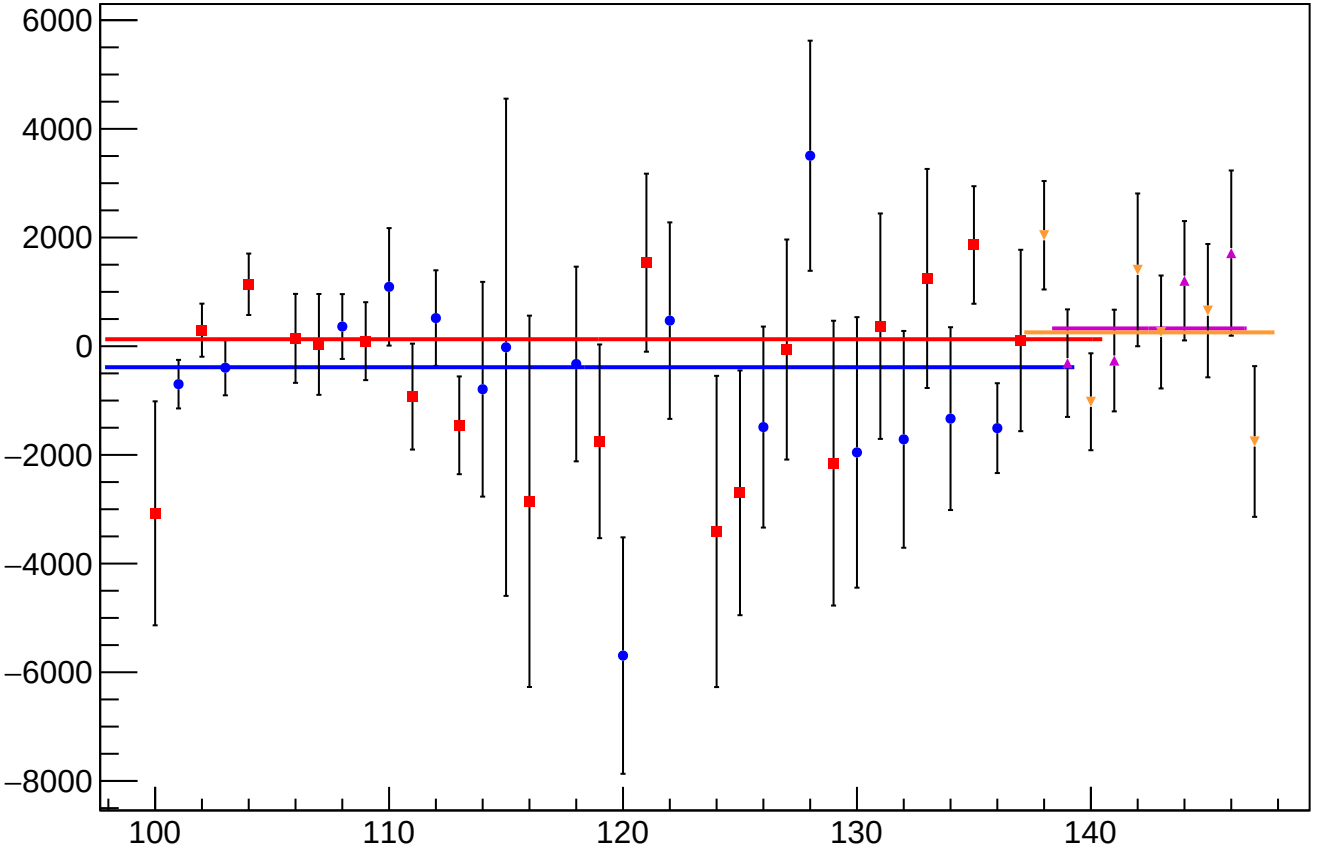
Left In: 1014.983+/-0.389 χ^2/NDF:187351.5/3

+ sign 653.428+/-0.152 χ^2/NDF: 4849080.4/21

All: 653.230+/-0.109 χ^2/NDF: 9176299.8/44

- sign 653.022+/-0.156 χ^2/NDF: 4327215.9/22

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 254.670+/-452.787 χ^2/NDF:8.1/5

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

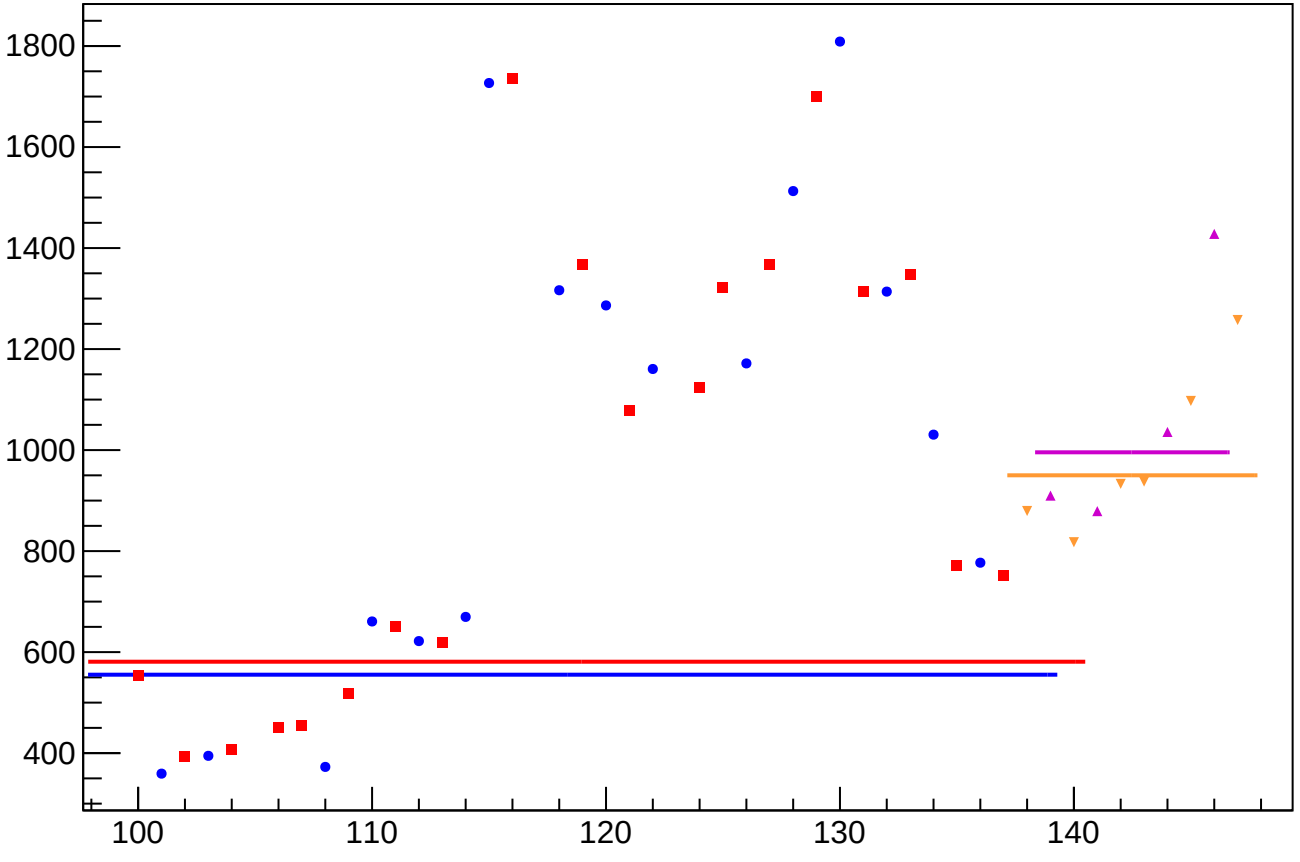
Left In: 327.344+/-540.272 χ^2/NDF:2.3/3

+ sign -248.152+/-210.340 χ^2/NDF: 27.6/21

All: -50.908+/-151.364 χ^2/NDF: 51.3/44

- sign 160.940+/-217.988 χ^2/NDF: 21.8/22

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 950.086+/-0.320 χ^2/NDF:181844.3/5

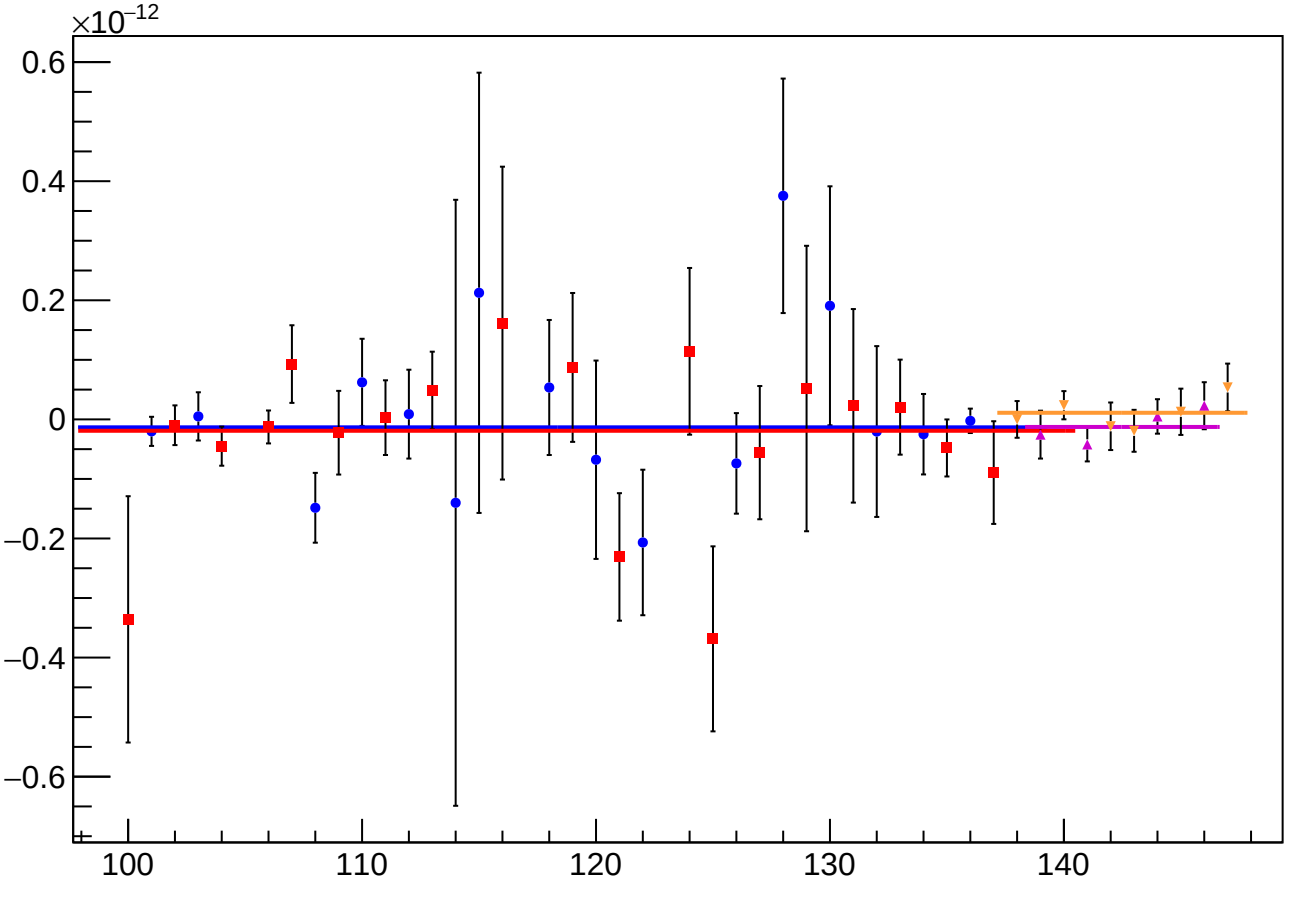
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 995.610+/-0.382 χ^2/NDF:210590.7/3

+ sign 640.489+/-0.149 χ^2/NDF: 4856742.5/21

All: 644.348+/-0.107 χ^2/NDF: 9038401.9/44

- sign 648.493+/-0.154 χ^2/NDF: 4180263.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

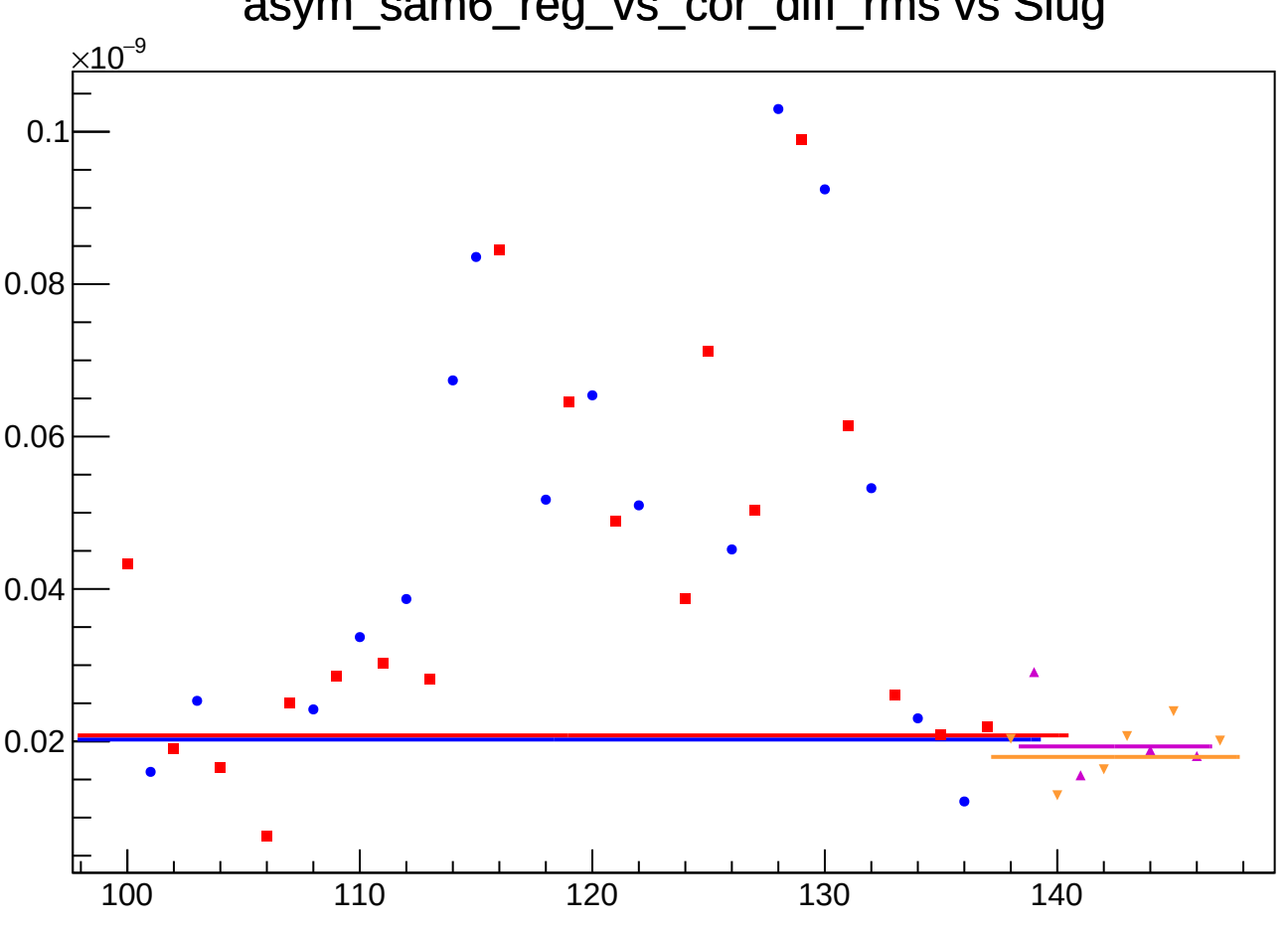
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/21

All: -0.000+/-0.000 χ^2/NDF: 43.7/44

- sign -0.000+/-0.000 χ^2/NDF: 22.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:171092.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

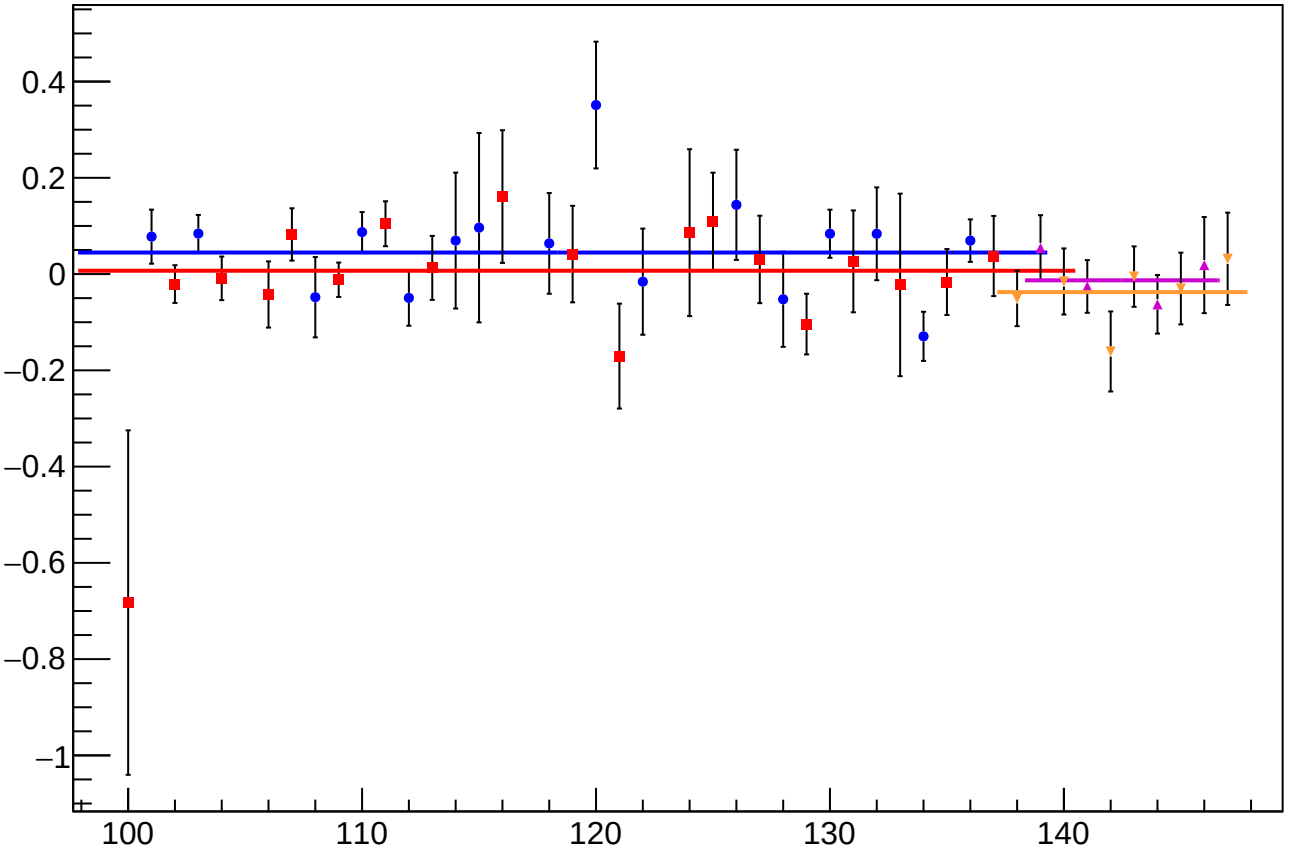
Left In: 0.000+/-0.000 χ^2/NDF:155551.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 2205737.9/21

All: 0.000+/-0.000 χ^2/NDF: 4237076.1/44

- sign 0.000+/-0.000 χ^2/NDF: 2020488.8/22

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

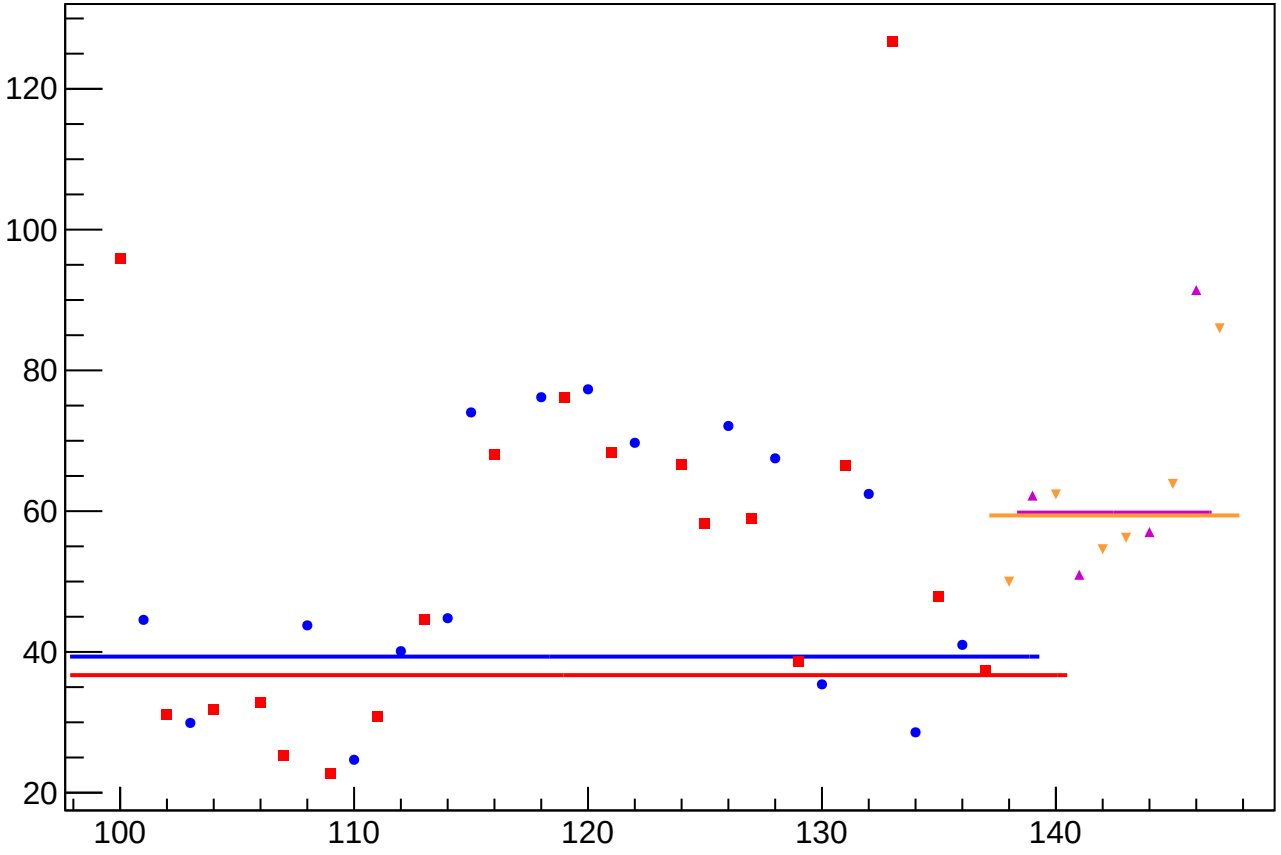
Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.014+/-0.010 χ^2/NDF: 59.5/44

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

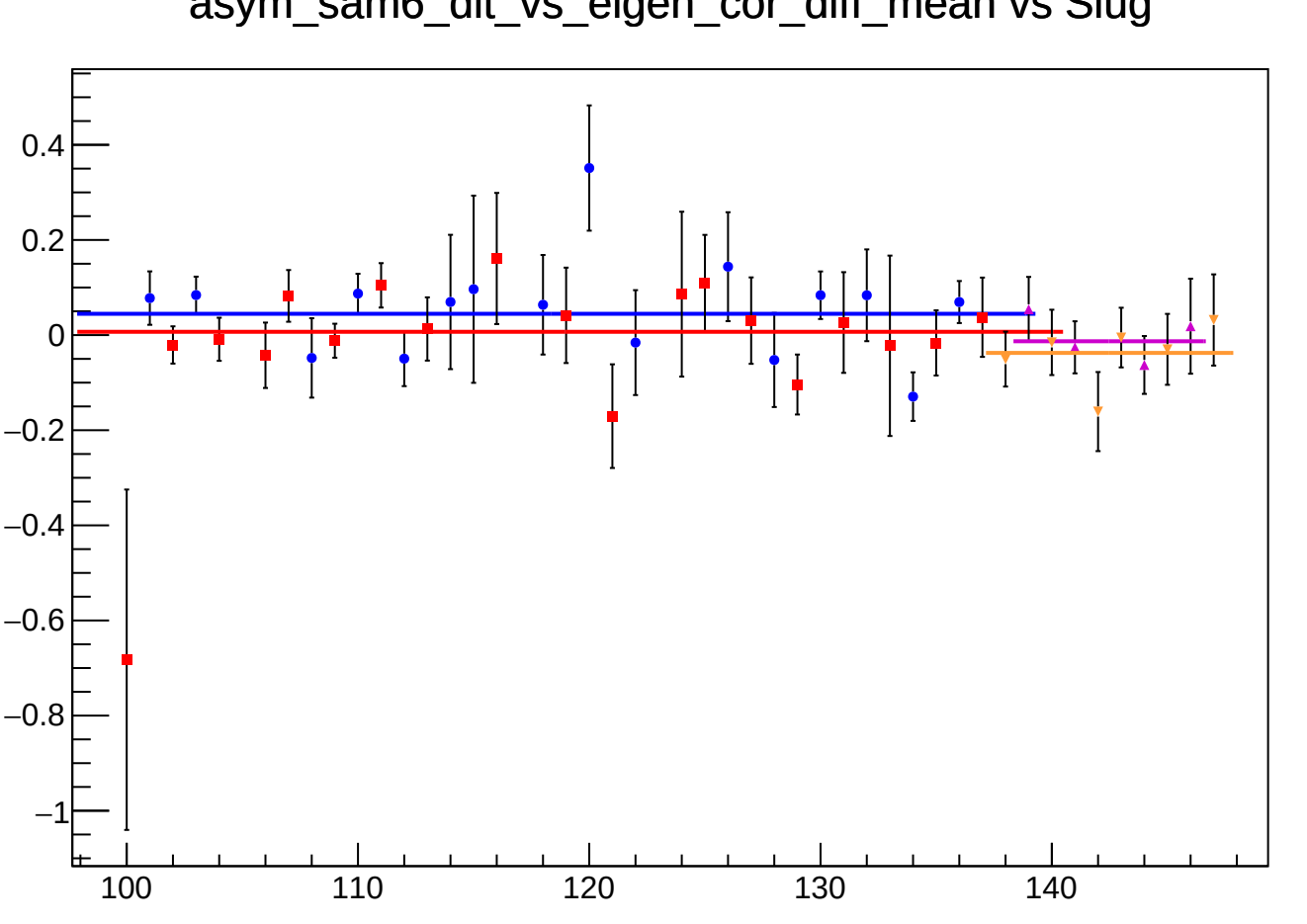
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

+ sign 44.057+/-0.010 χ^2/NDF: 2534294.8/21

All: 42.351+/-0.007 χ^2/NDF: 5759799.7/44

- sign 40.711+/-0.010 χ^2/NDF: 3167312.9/22



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

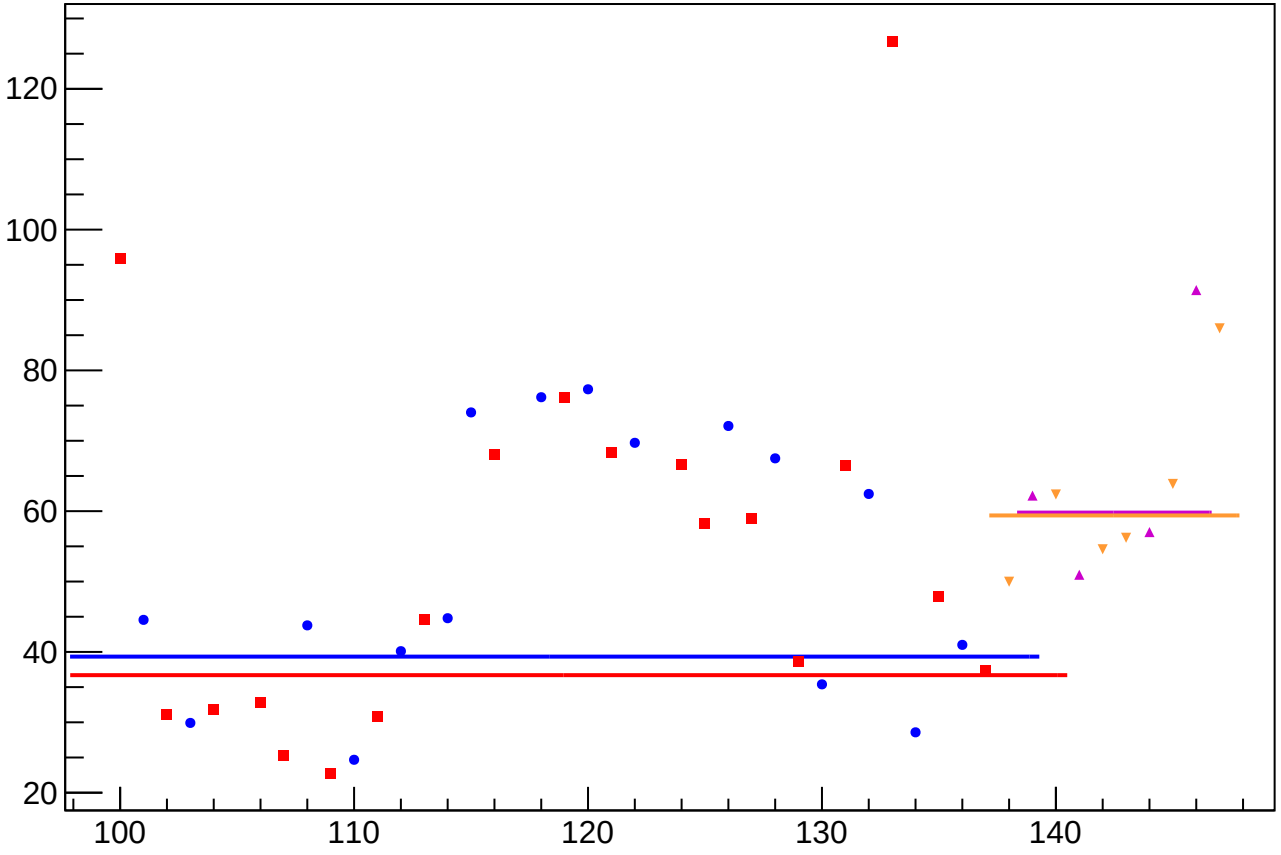
Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.014+/-0.010 χ^2/NDF: 59.5/44

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

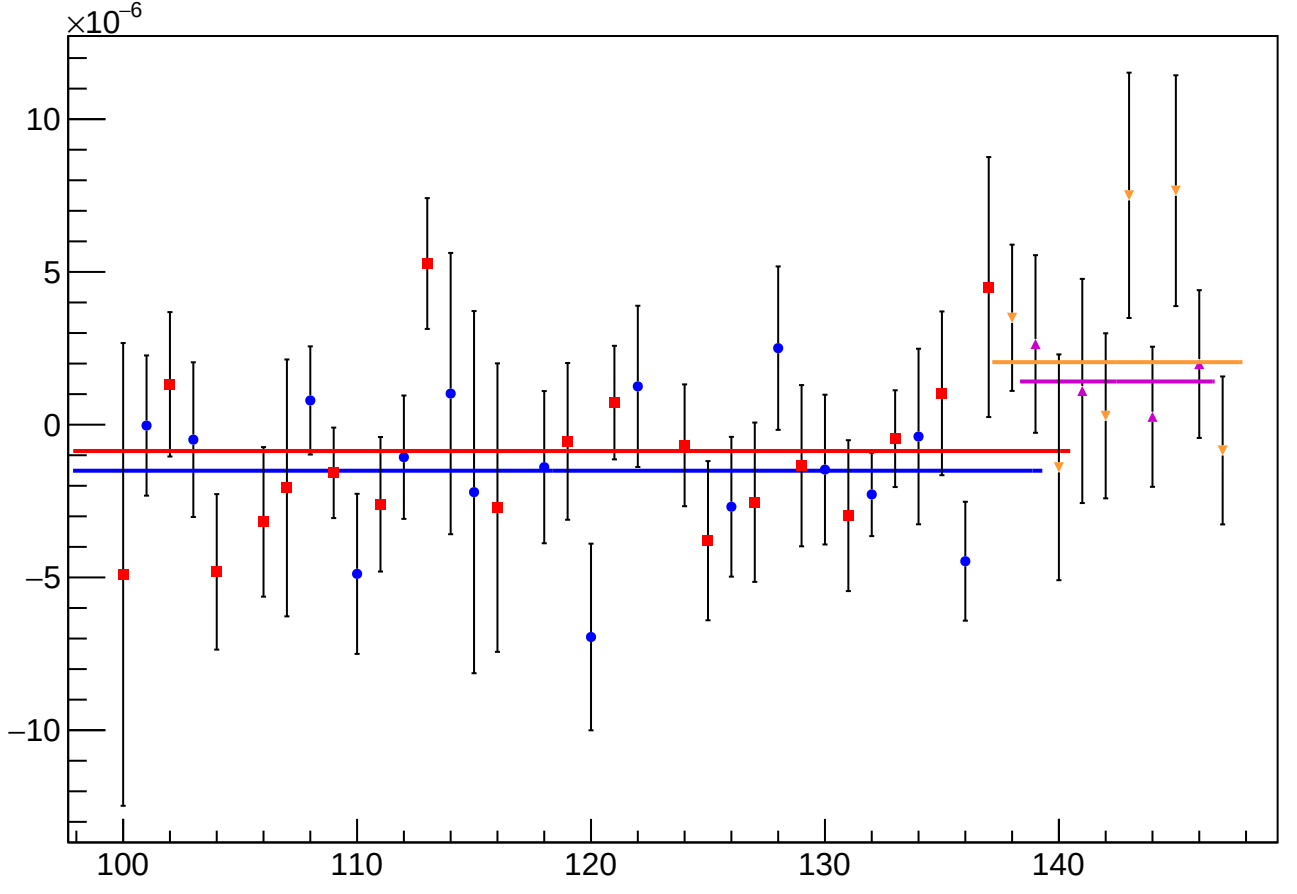
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

+ sign 44.057+/-0.010 χ^2/NDF: 2534294.8/21

All: 42.351+/-0.007 χ^2/NDF: 5759799.7/44

- sign 40.711+/-0.010 χ^2/NDF: 3167312.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

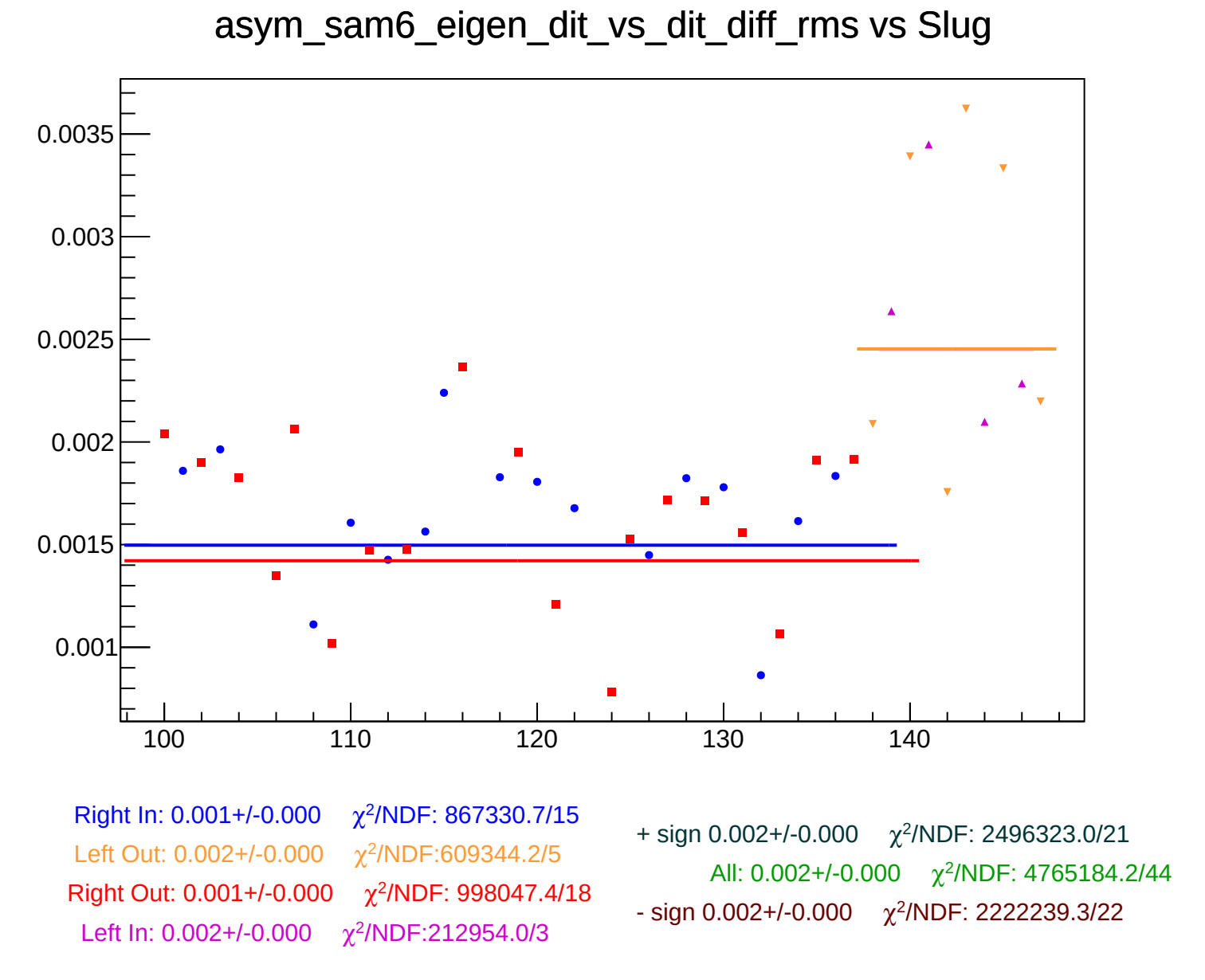
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

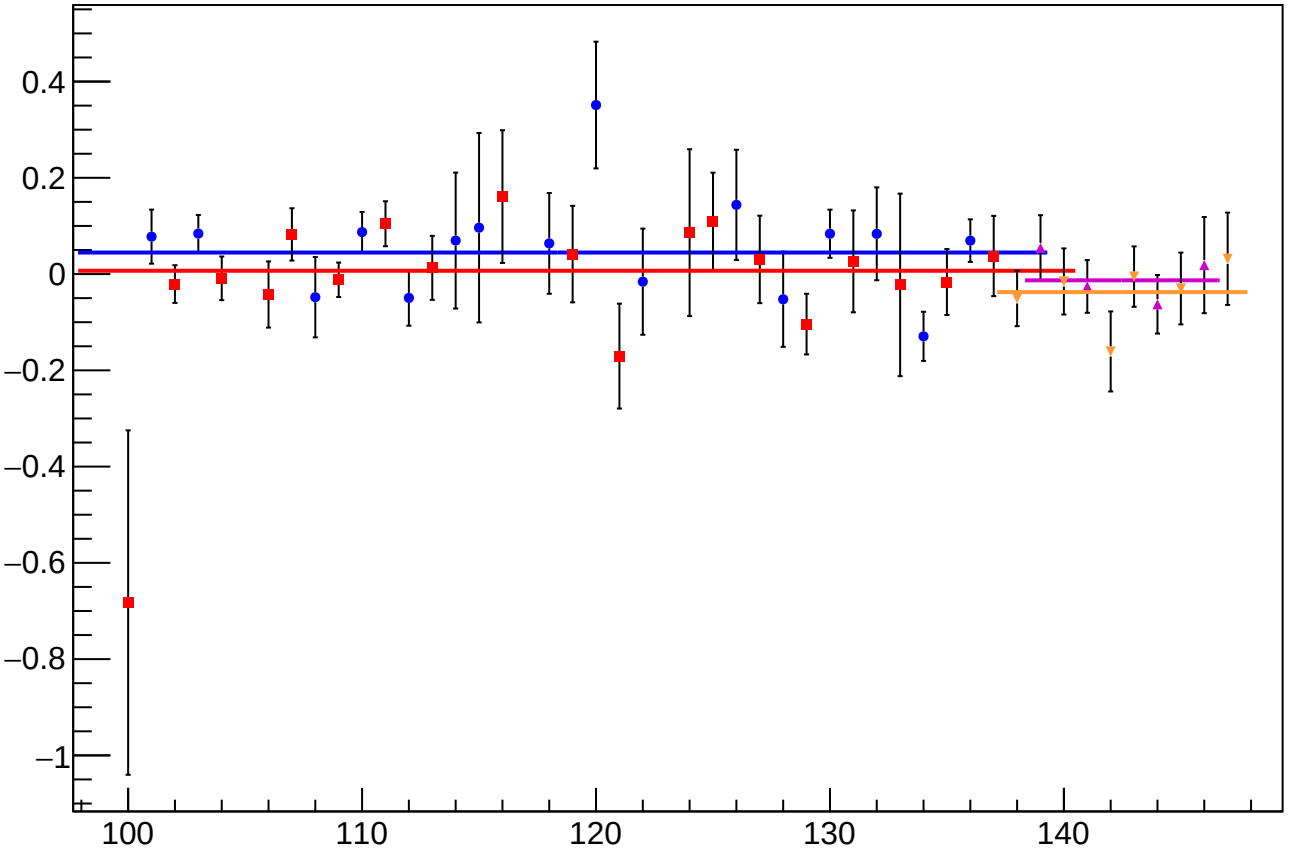
+ sign -0.000+/-0.000 χ^2/NDF: 28.1/21

All: -0.000+/-0.000 χ^2/NDF: 50.3/44

- sign -0.000+/-0.000 χ^2/NDF: 22.1/22


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:609344.2/5
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:212954.0/3
+ sign 0.002+/-0.000 χ²/NDF: 2496323.0/21
All: 0.002+/-0.000 χ²/NDF: 4765184.2/44
- sign 0.002+/-0.000 χ²/NDF: 2222239.3/22

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

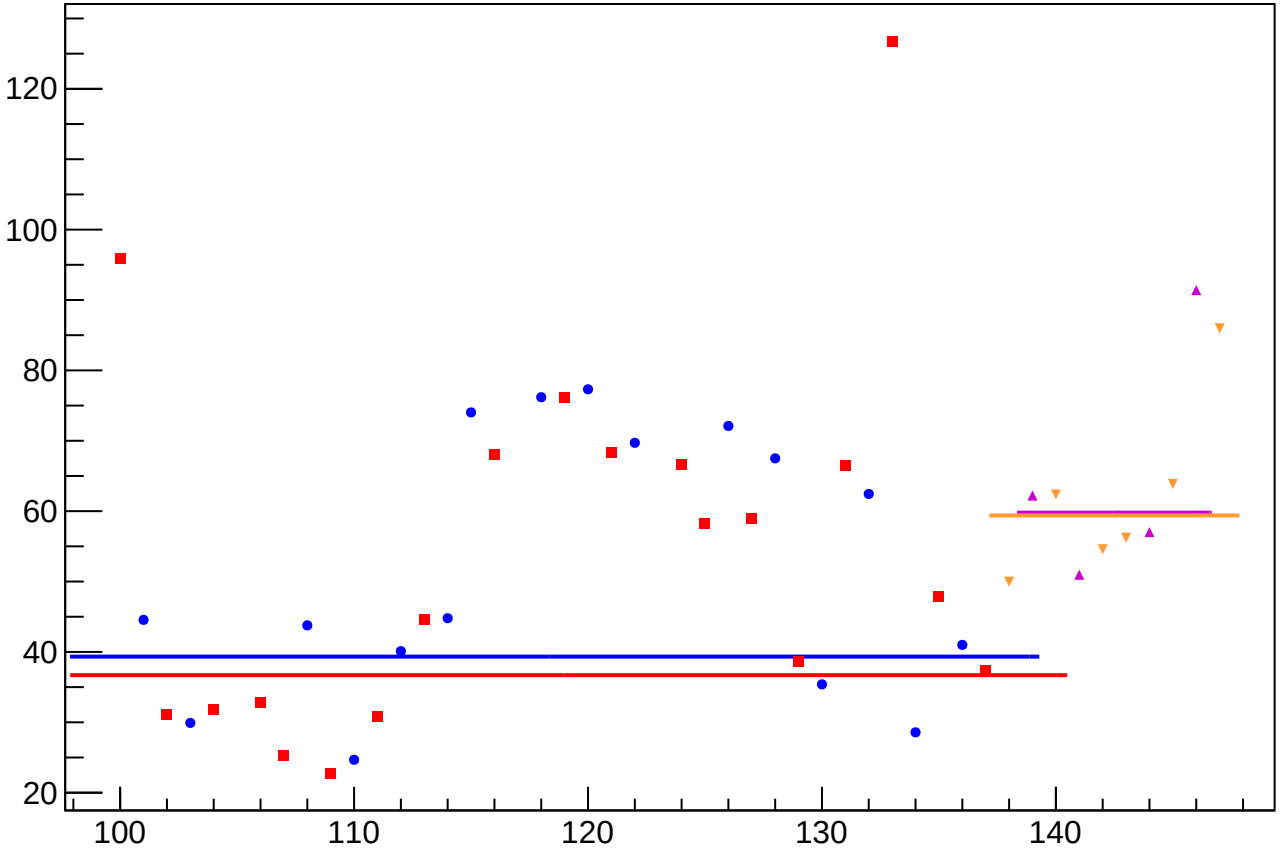
Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.014+/-0.010 χ^2/NDF: 59.5/44

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

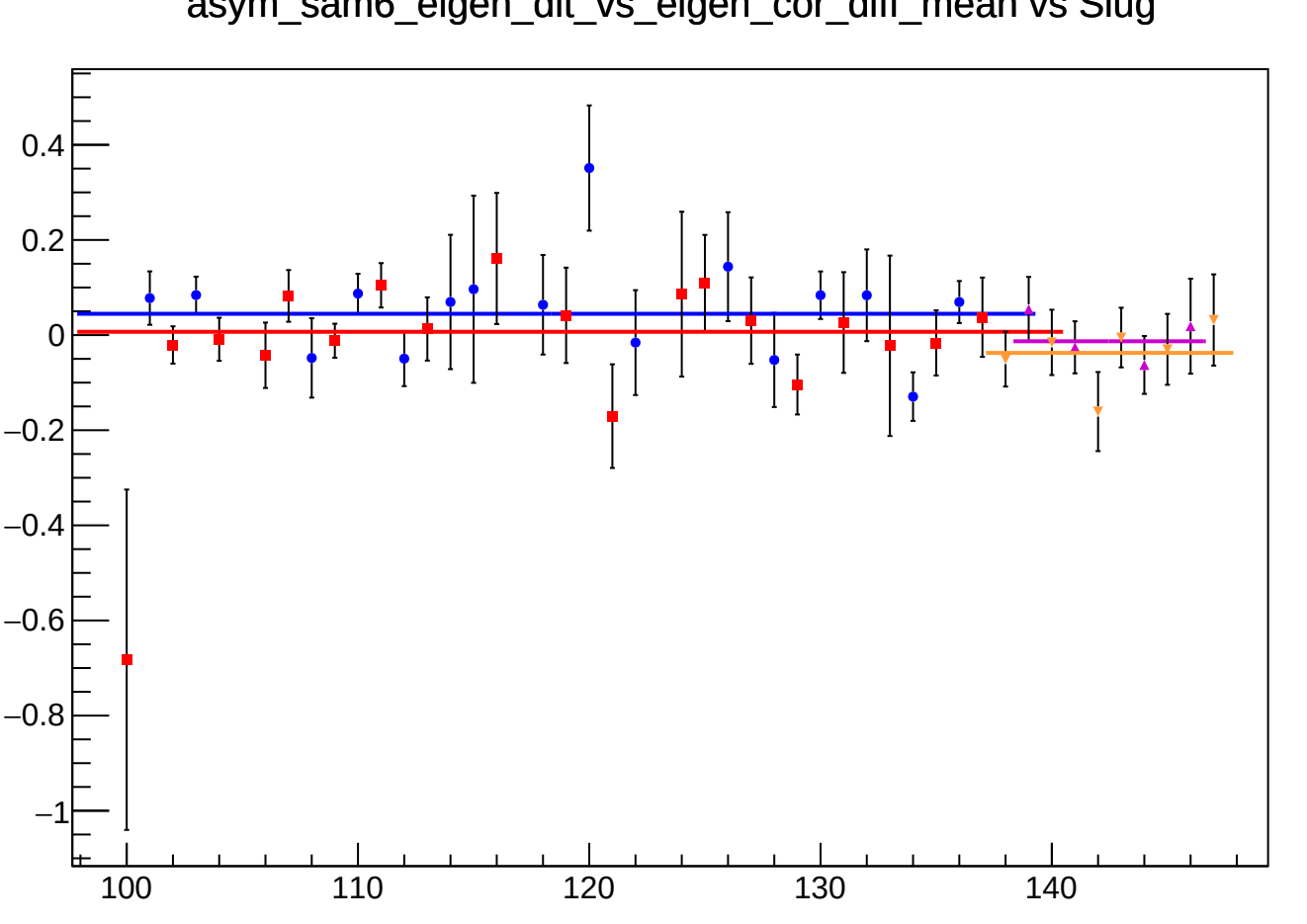
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

+ sign 44.057+/-0.010 χ^2/NDF: 2534314.0/21

All: 42.350+/-0.007 χ^2/NDF: 5759801.4/44

- sign 40.710+/-0.010 χ^2/NDF: 3167303.3/22



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

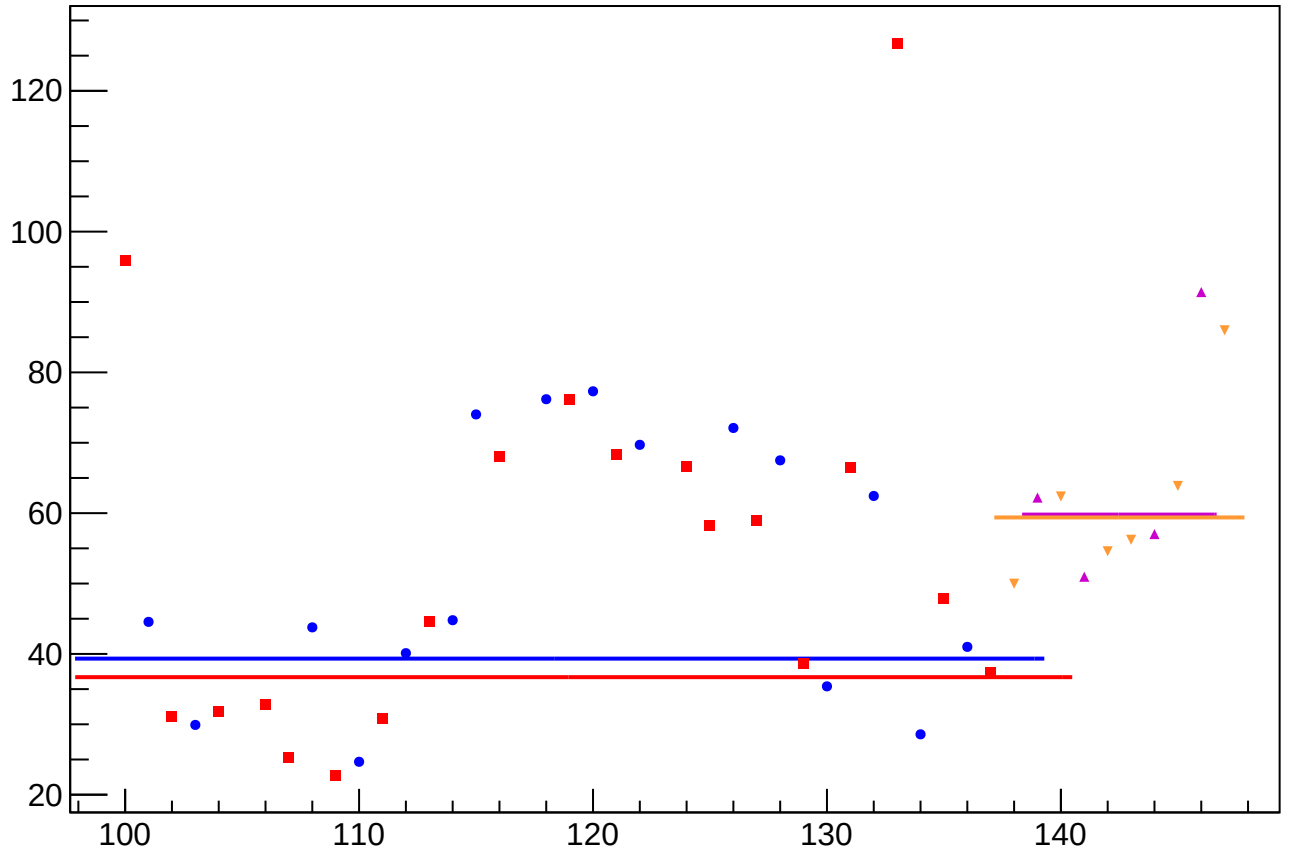
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.014+/-0.010 χ^2/NDF: 59.5/44

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

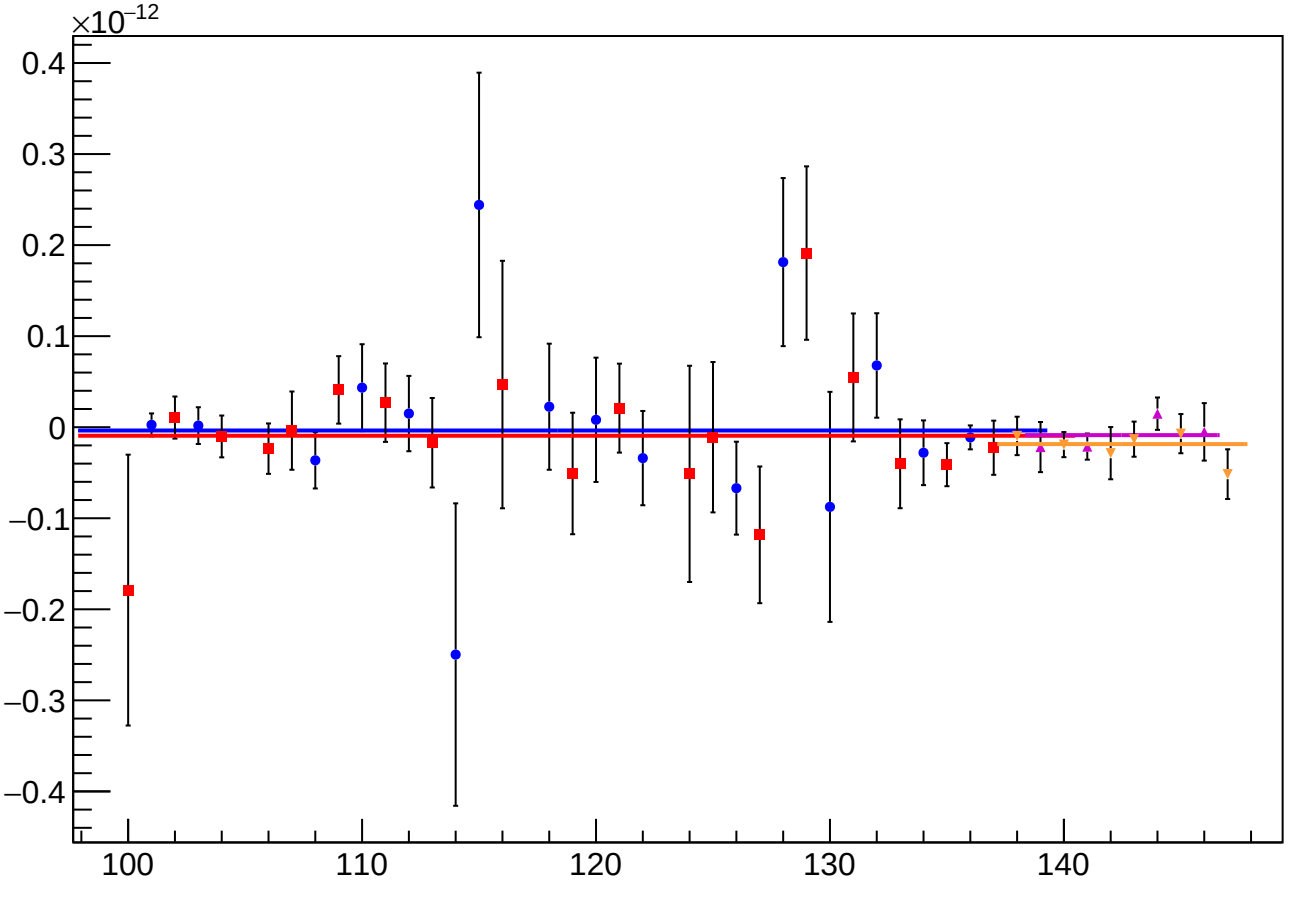
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

\+ sign 44.057+/-0.010 χ^2/NDF: 2534314.0/21

All: 42.350+/-0.007 χ^2/NDF: 5759801.4/44

\- sign 40.710+/-0.010 χ^2/NDF: 3167303.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/5

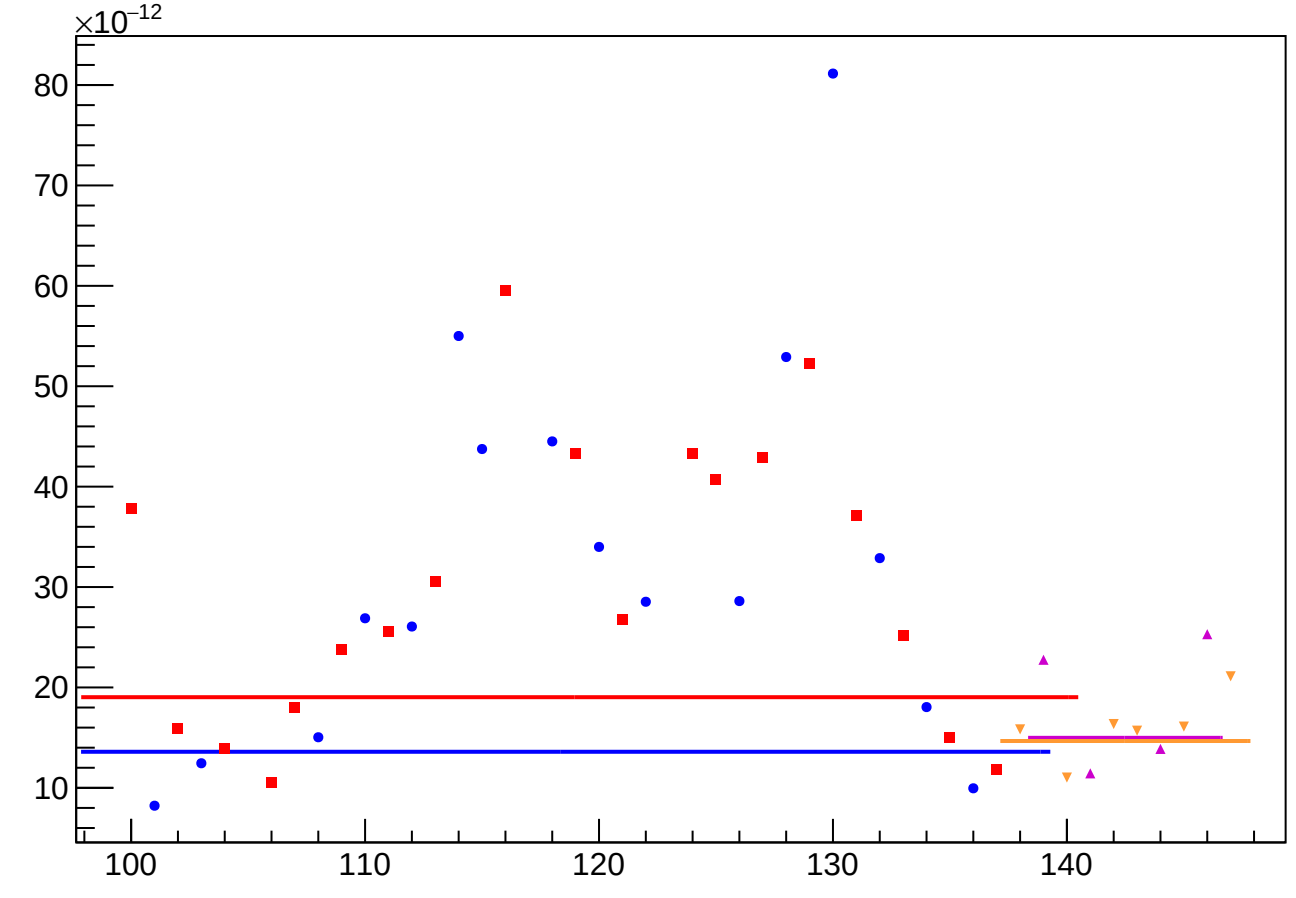
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.6/21

All: -0.000+/-0.000 χ^2/NDF: 39.1/44

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:278510.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

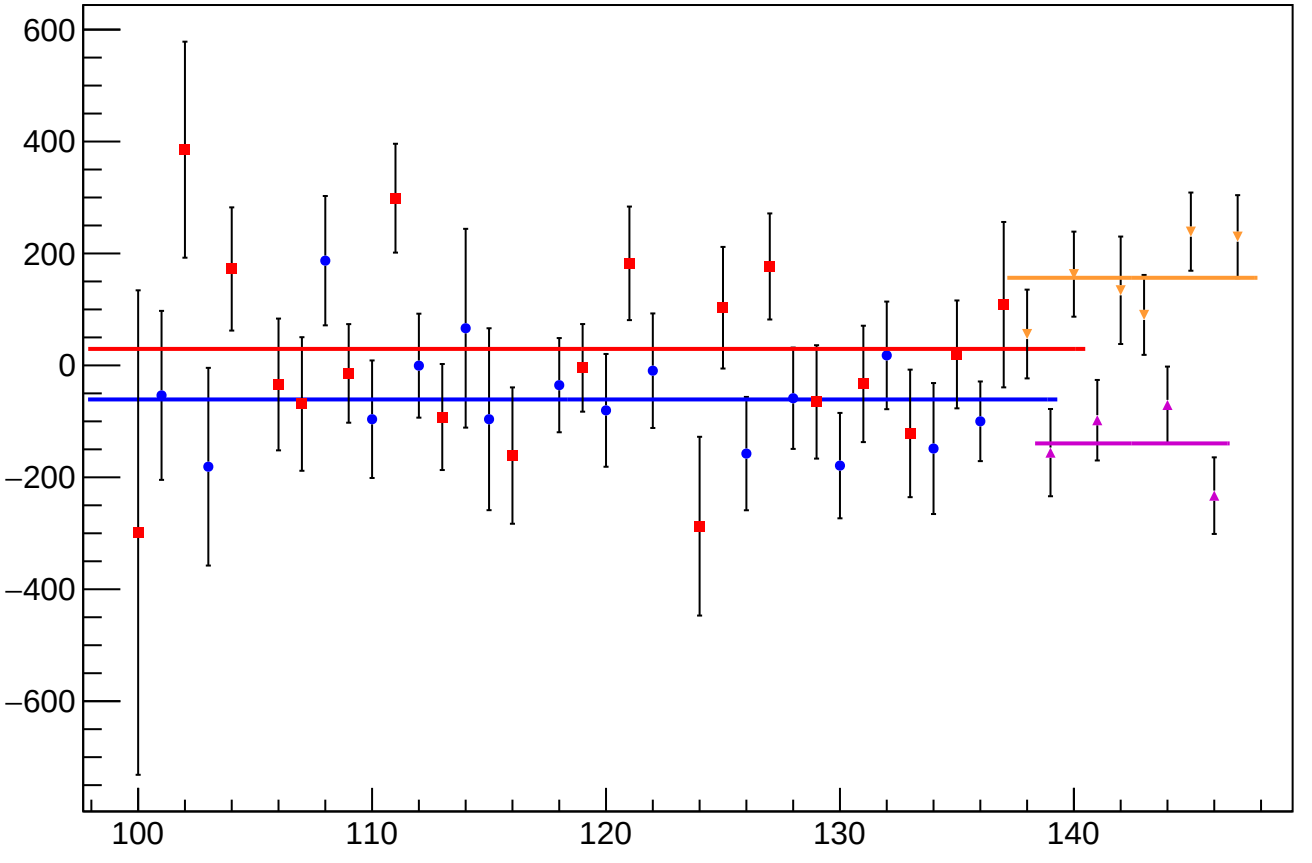
Left In: 0.000+/-0.000 χ^2/NDF:502559.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3484915.8/21

All: 0.000+/-0.000 χ^2/NDF: 6479674.8/44

- sign 0.000+/-0.000 χ^2/NDF: 2734515.3/22

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.518+/-31.254 χ^2/NDF:4.9/5

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

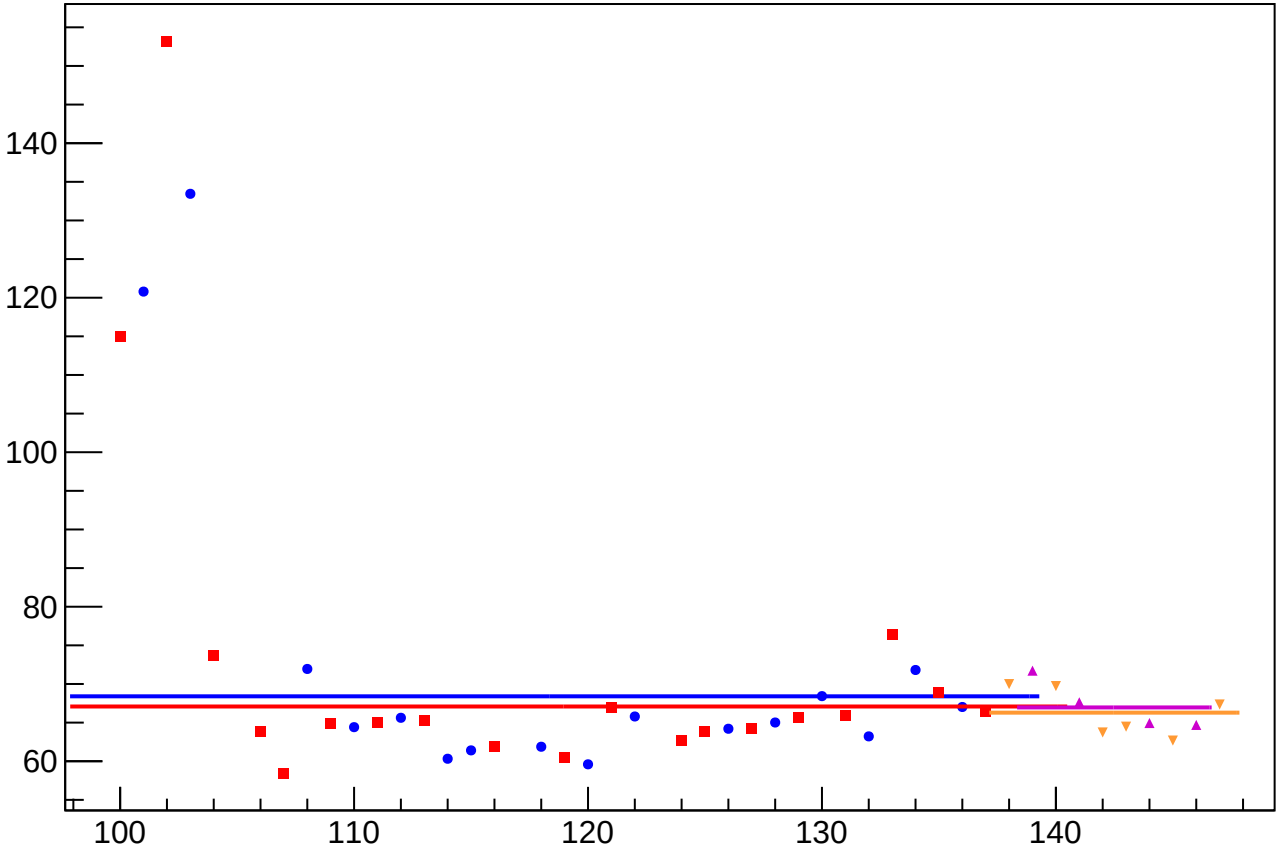
Left In: -139.391+/-35.711 χ^2/NDF:3.2/3

+ sign 28.272+/-20.012 χ^2/NDF: 44.0/21

All: 1.648+/-14.333 χ^2/NDF: 97.1/44

- sign -26.394+/-20.538 χ^2/NDF: 49.4/22

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

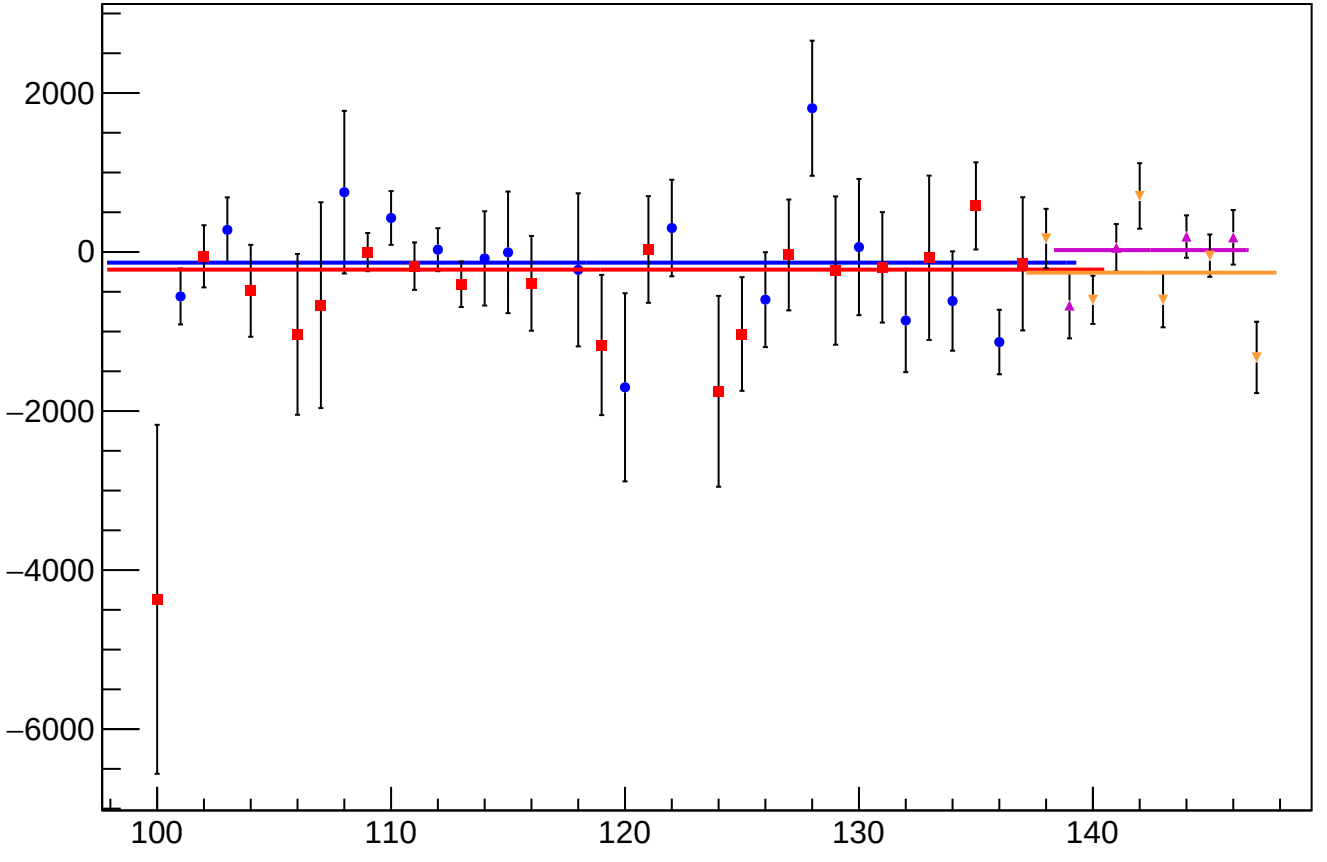
Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.537+/-0.014 χ^2/NDF: 591875.1/21

All: 67.297+/-0.010 χ^2/NDF: 1085835.4/44

- sign 67.045+/-0.015 χ^2/NDF: 493373.3/22

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.665+/-139.652 χ^2/NDF:15.3/5

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

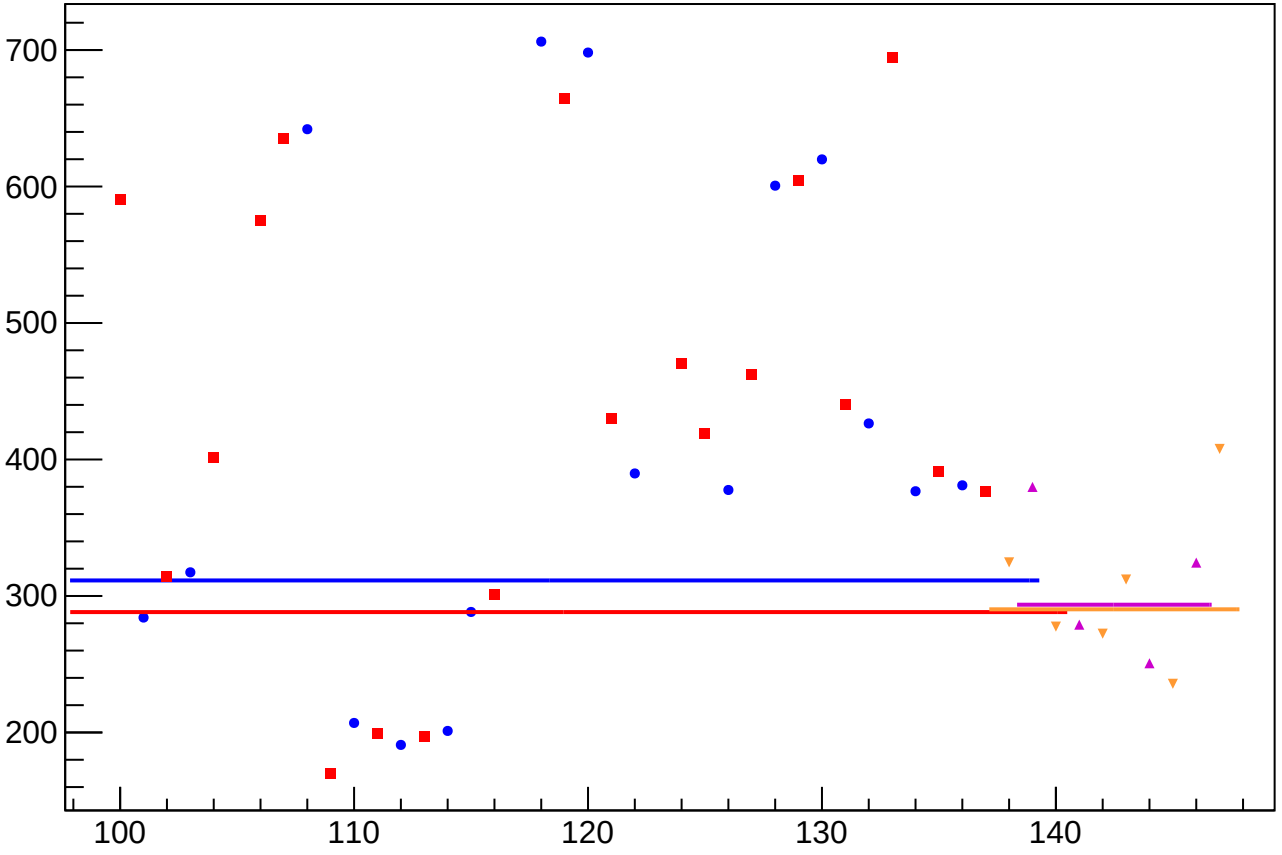
Left In: 24.412+/-158.802 χ^2/NDF:3.5/3

+ sign -190.118+/-93.511 χ^2/NDF: 38.2/21

All: -162.442+/-66.505 χ^2/NDF: 56.0/44

- sign -134.116+/-94.602 χ^2/NDF: 17.6/22

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 290.231+/-0.099 χ^2/NDF:253327.1/5

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

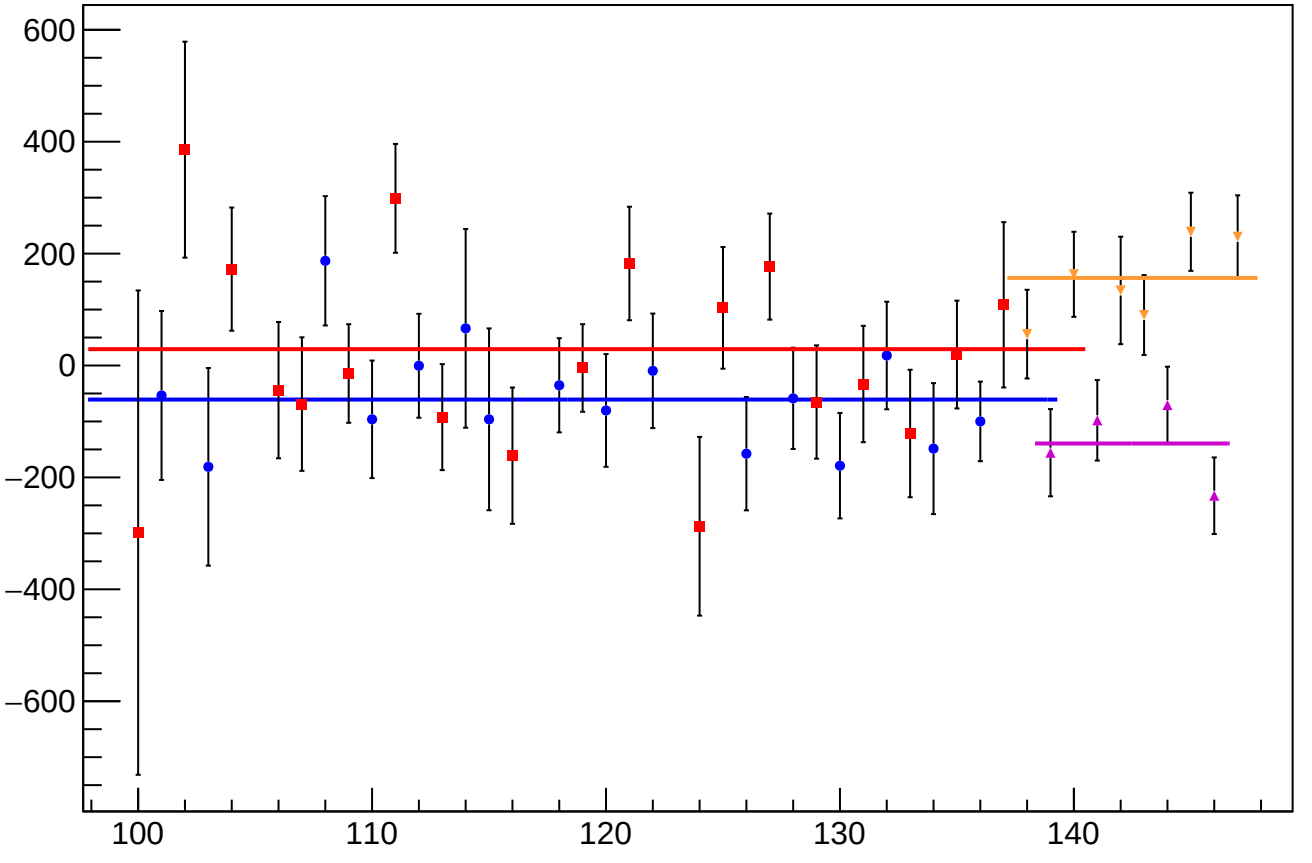
Left In: 293.607+/-0.112 χ^2/NDF:159988.9/3

+ sign 301.901+/-0.066 χ^2/NDF: 2402442.9/21

All: 296.080+/-0.047 χ^2/NDF: 5294987.6/44

- sign 290.122+/-0.067 χ^2/NDF: 2876862.8/22

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

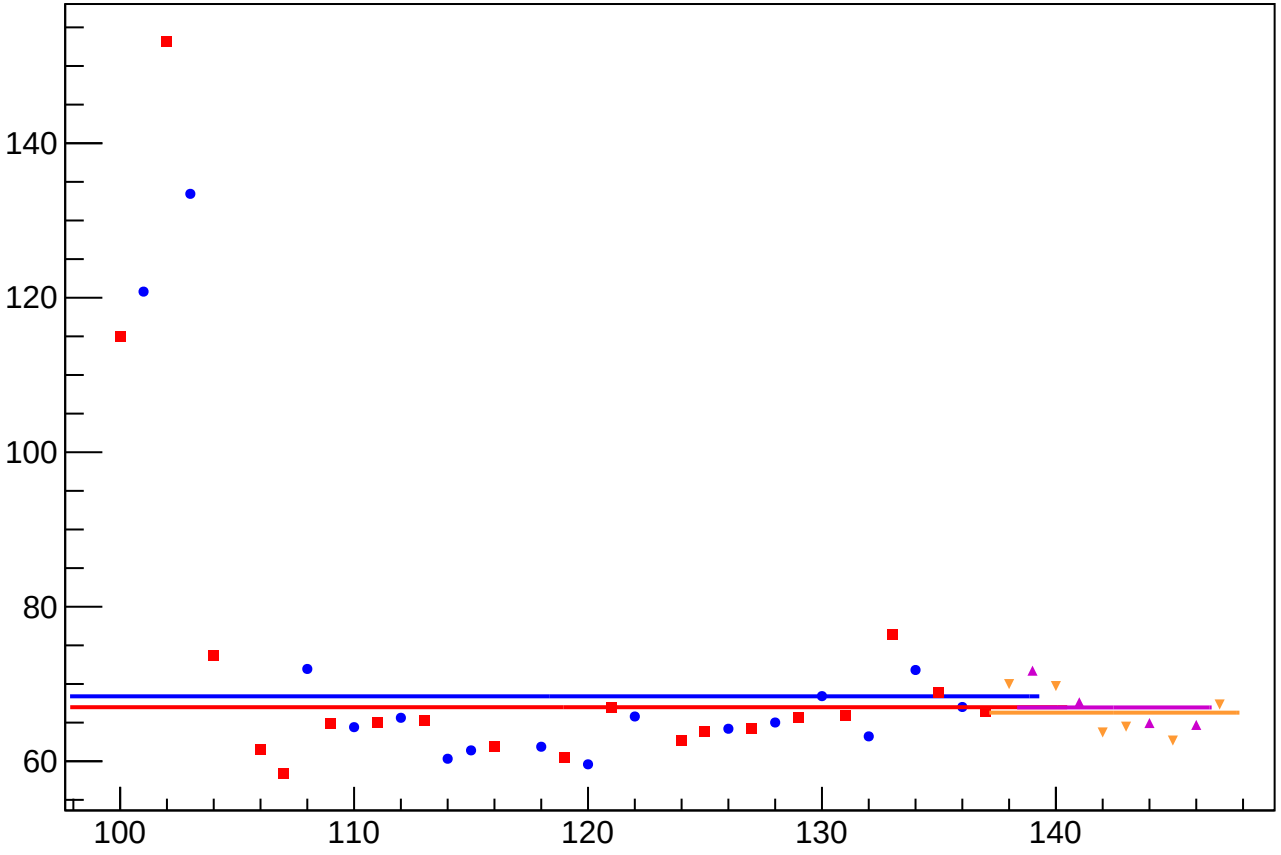
Left In: -139.388+/-35.711 χ^2/NDF:3.2/3

+ sign 28.271+/-20.012 χ^2/NDF: 44.0/21

All: 1.545+/-14.340 χ^2/NDF: 97.1/44

- sign -26.660+/-20.559 χ^2/NDF: 49.4/22

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

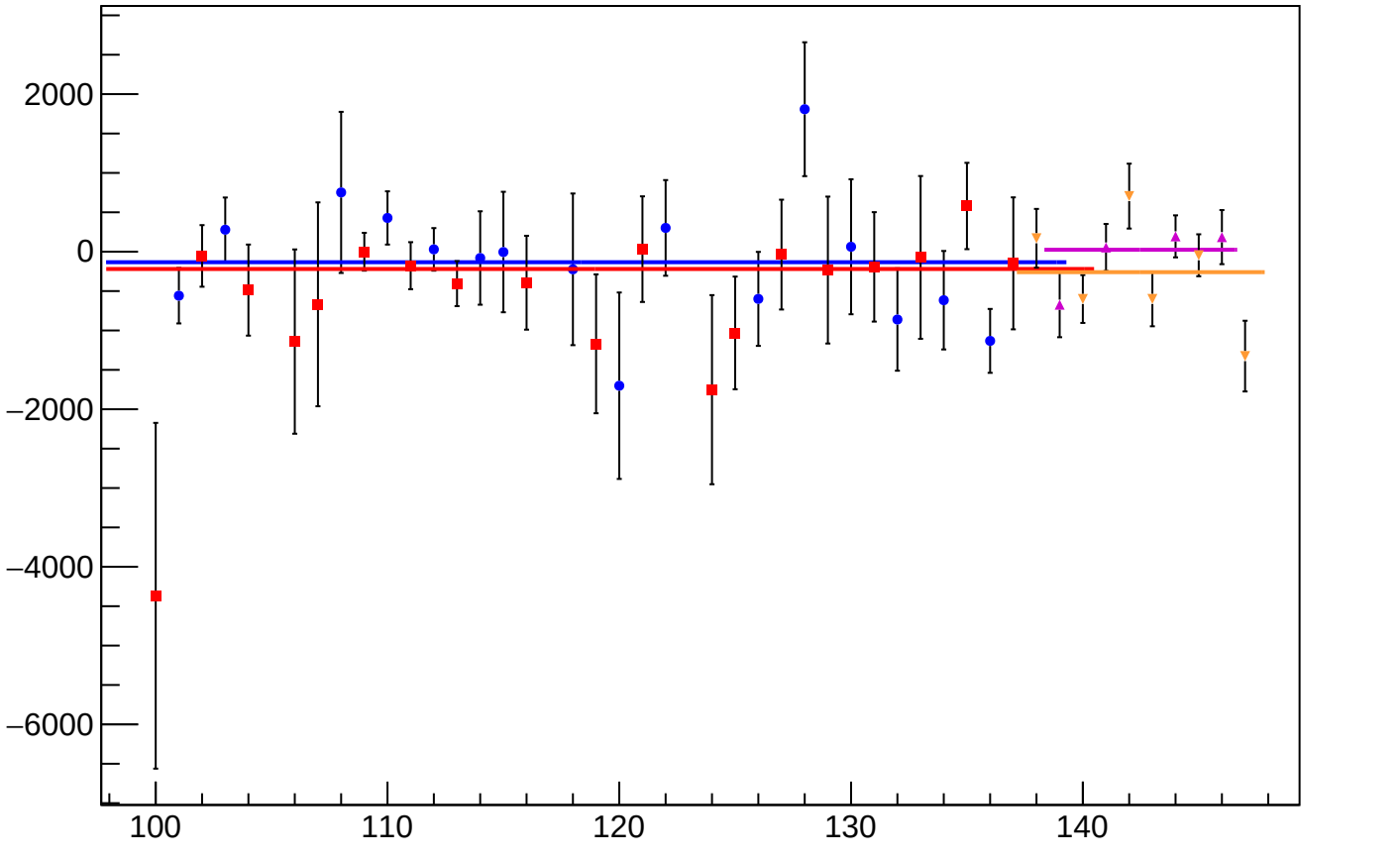
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.537+/-0.014 χ^2/NDF: 591875.5/21

All: 67.268+/-0.010 χ^2/NDF: 1088647.8/44

- sign 66.984+/-0.015 χ^2/NDF: 496031.3/22



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

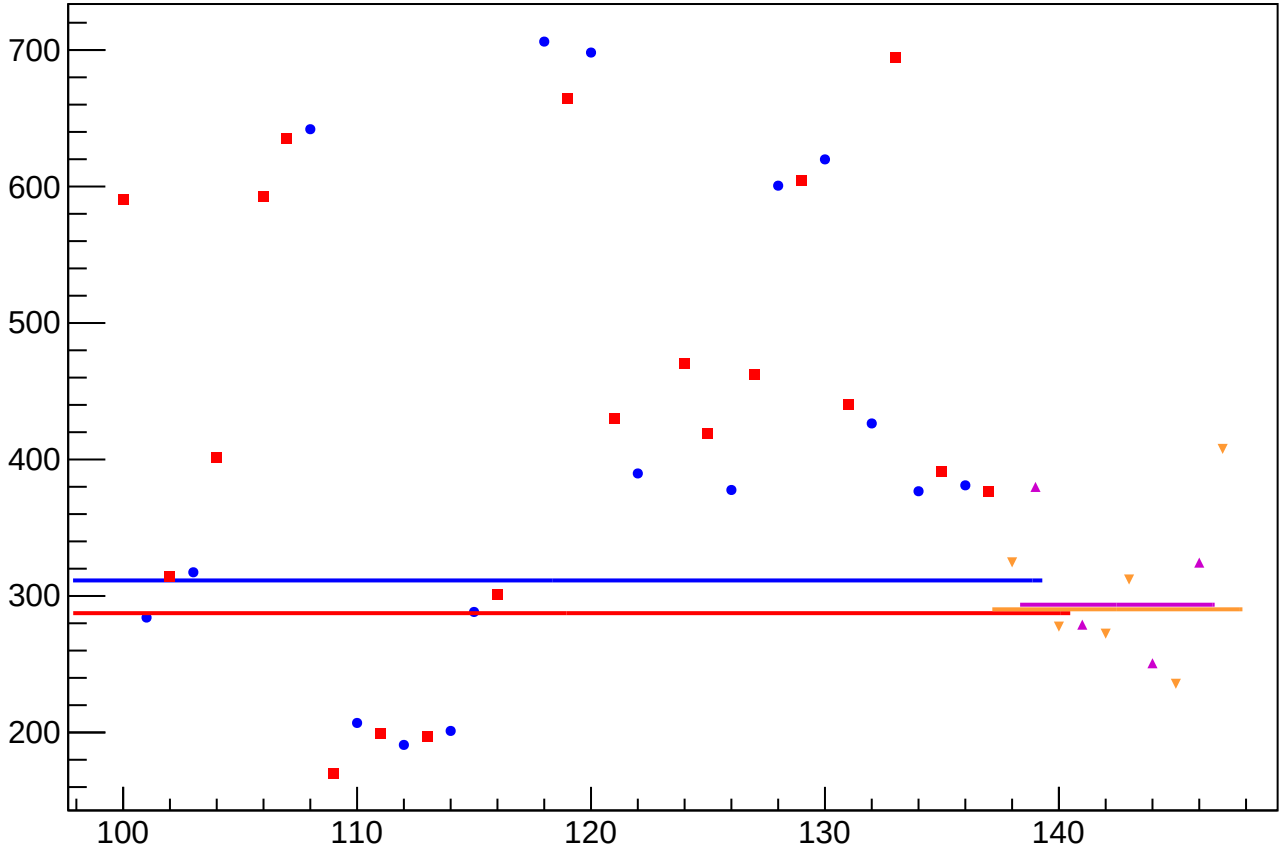
Left In: 24.418+/-158.802 χ^2/NDF:3.5/3

+ sign -190.115+/-93.511 χ^2/NDF: 38.2/21

All: -161.830+/-66.542 χ^2/NDF: 55.9/44

- sign -132.815+/-94.709 χ^2/NDF: 17.5/22

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

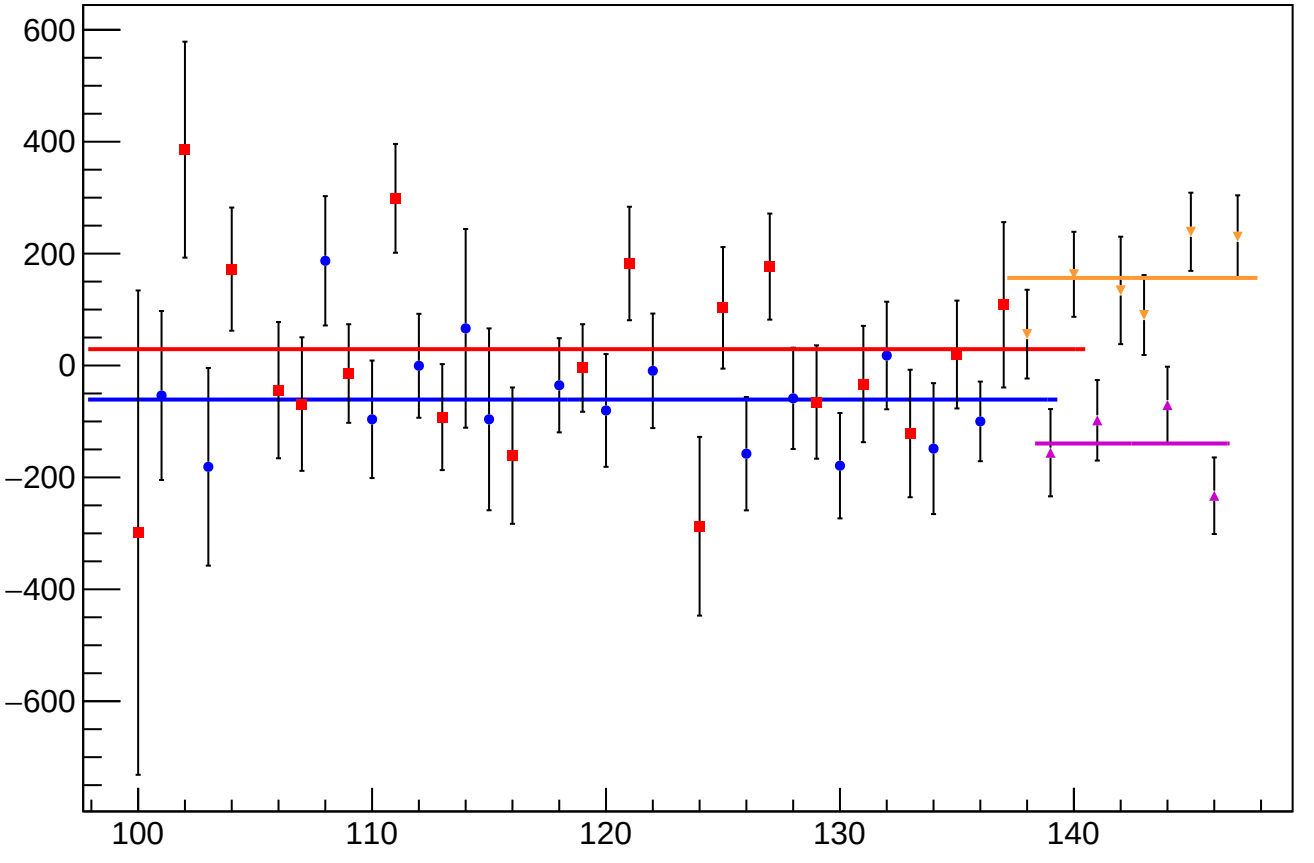
Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

+ sign 301.902+/-0.066 χ^2/NDF: 2402448.7/21

All: 295.837+/-0.047 χ^2/NDF: 5271696.0/44

- sign 289.616+/-0.067 χ^2/NDF: 2852207.3/22

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

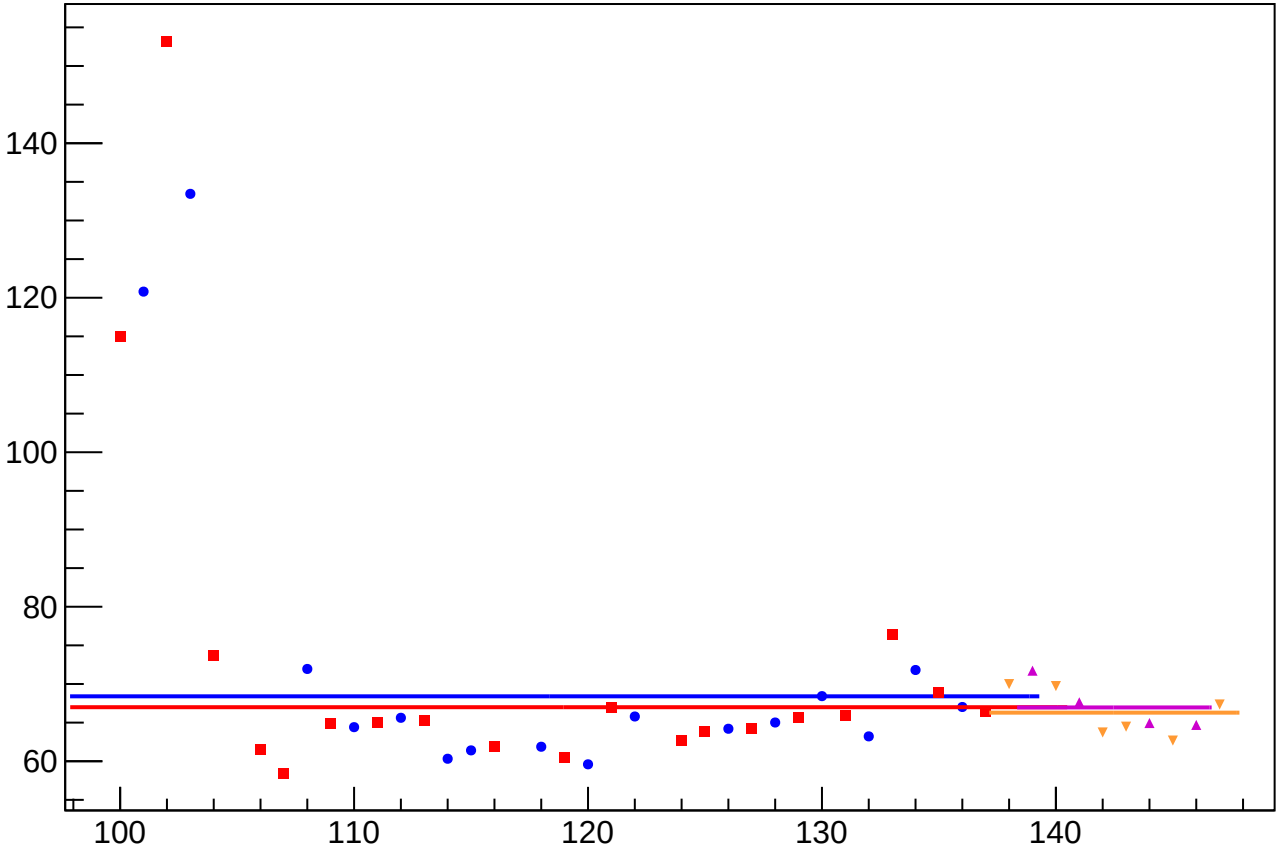
Left In: -139.388+/-35.711 χ^2/NDF:3.2/3

+ sign 28.271+/-20.012 χ^2/NDF: 44.0/21

All: 1.545+/-14.340 χ^2/NDF: 97.1/44

- sign -26.660+/-20.559 χ^2/NDF: 49.4/22

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

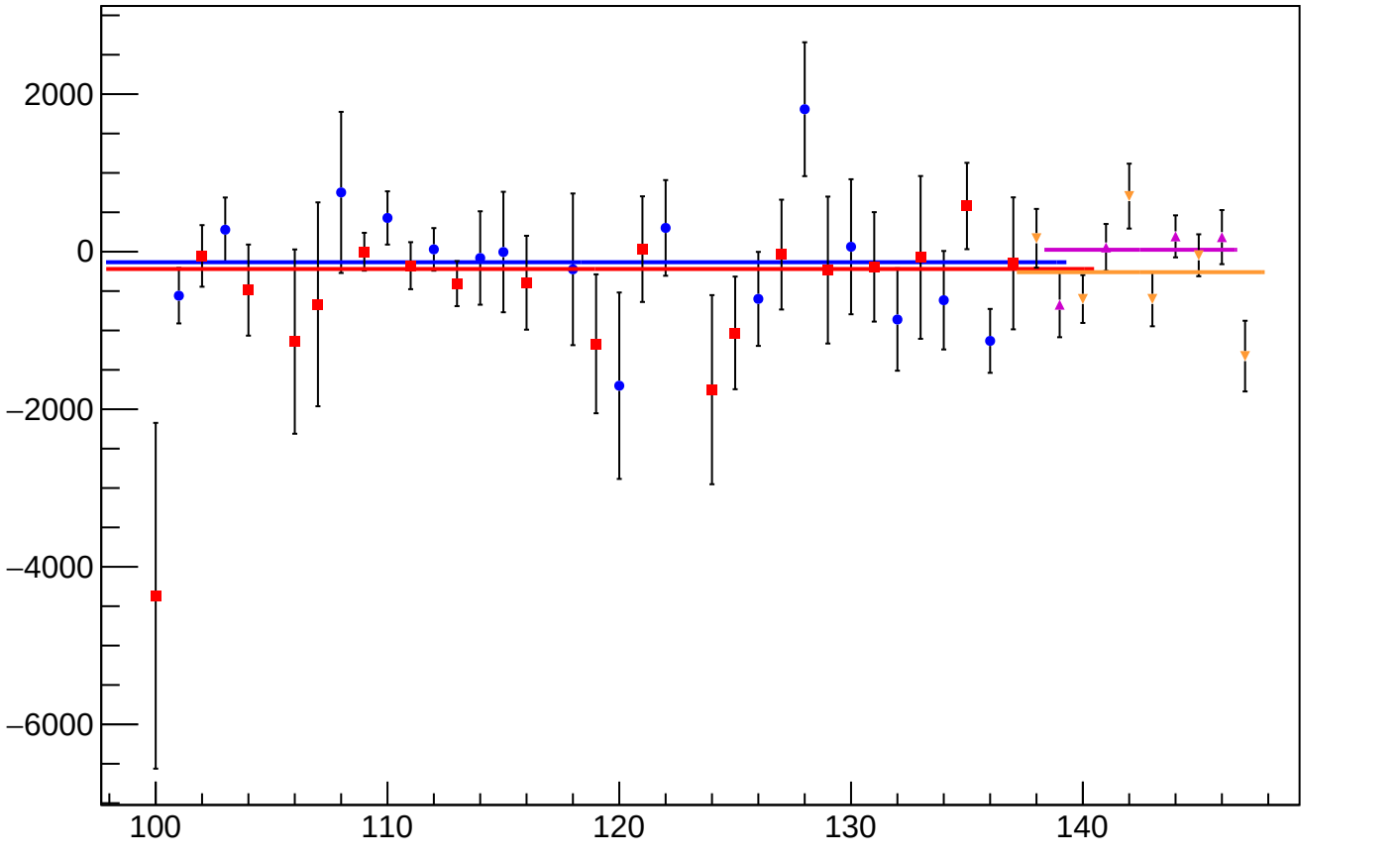
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.537+/-0.014 χ^2/NDF: 591875.5/21

All: 67.268+/-0.010 χ^2/NDF: 1088647.8/44

- sign 66.984+/-0.015 χ^2/NDF: 496031.3/22



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

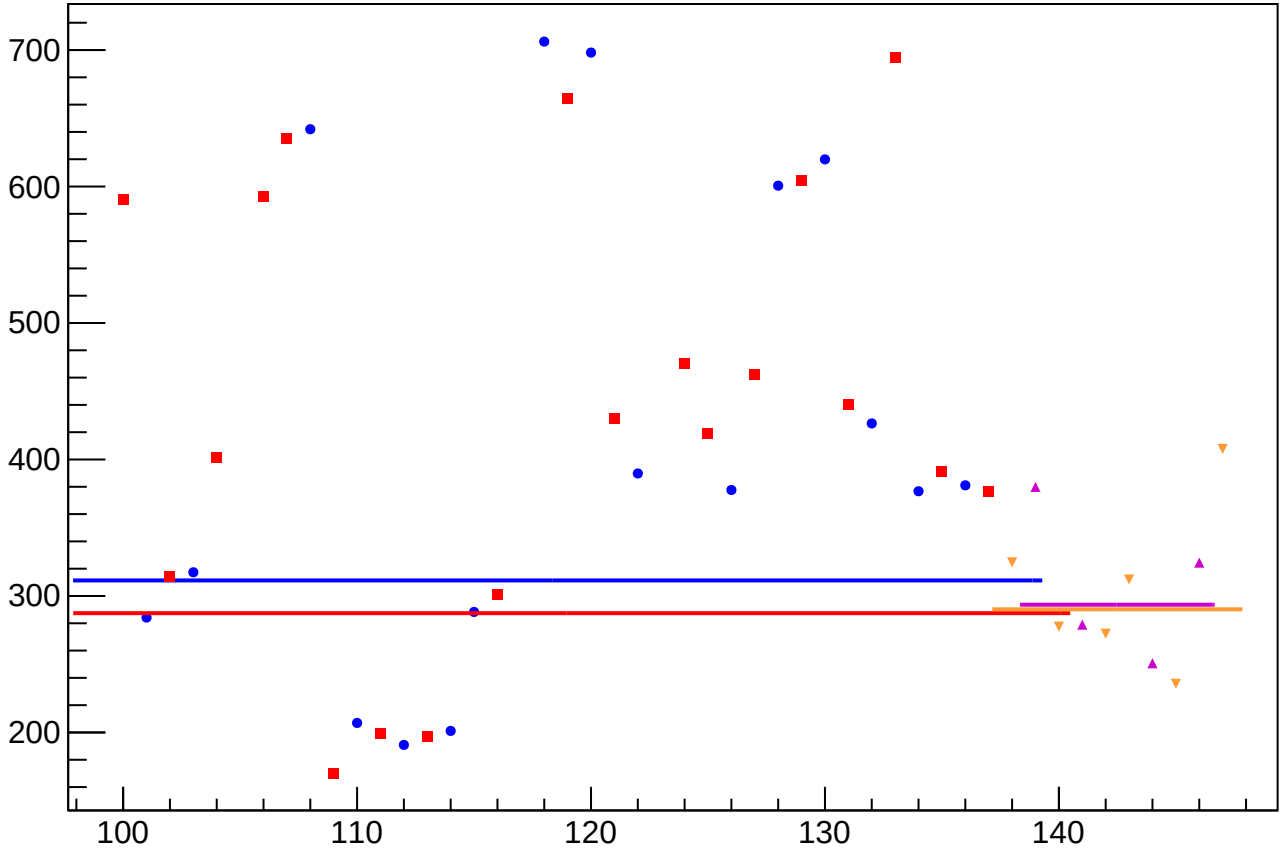
Left In: 24.418+/-158.802 χ^2/NDF:3.5/3

+ sign -190.115+/-93.511 χ^2/NDF: 38.2/21

All: -161.830+/-66.542 χ^2/NDF: 55.9/44

- sign -132.815+/-94.709 χ^2/NDF: 17.5/22

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

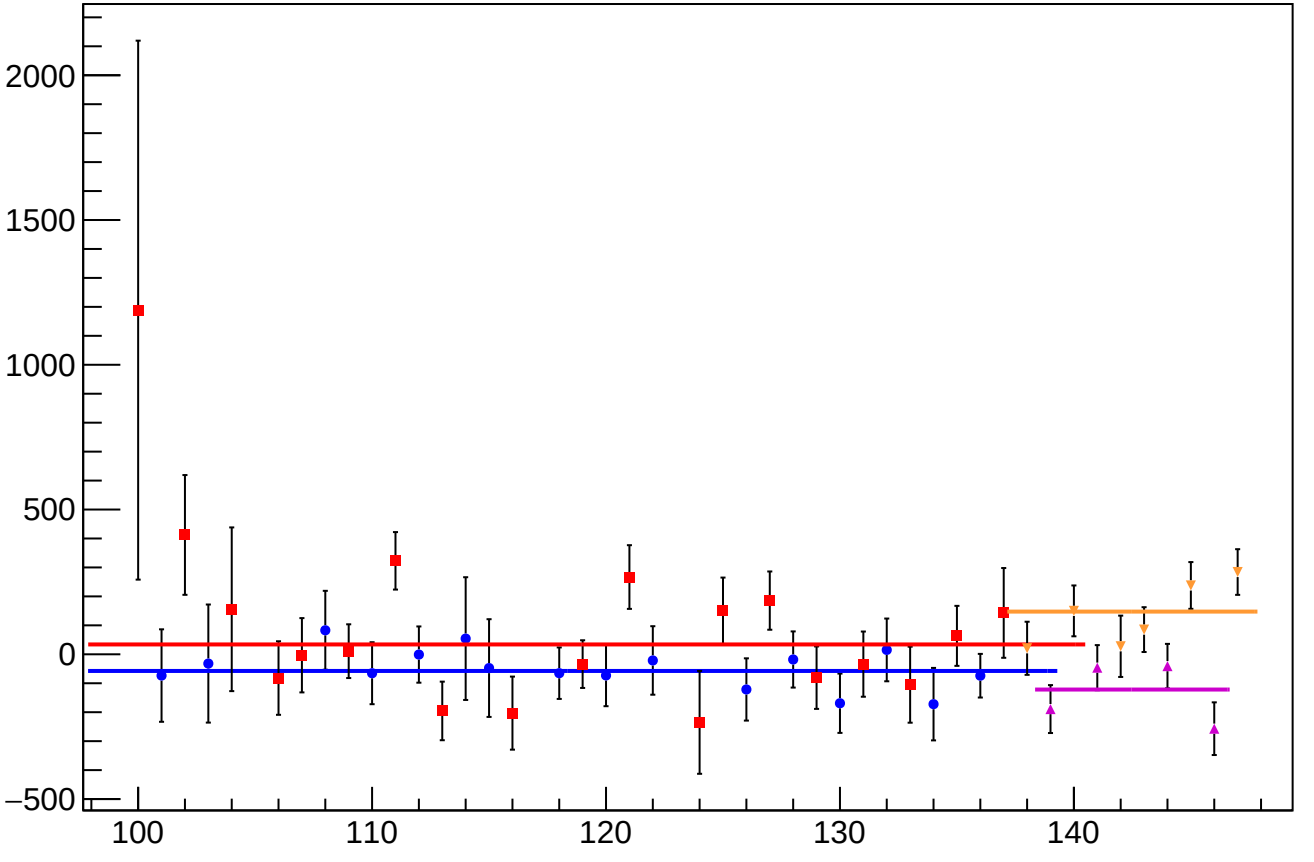
Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

+ sign 301.902+/-0.066 χ^2/NDF: 2402448.7/21

All: 295.837+/-0.047 χ^2/NDF: 5271696.0/44

- sign 289.616+/-0.067 χ^2/NDF: 2852207.3/22

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.493+/-34.946 χ^2/NDF:8.1/5

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

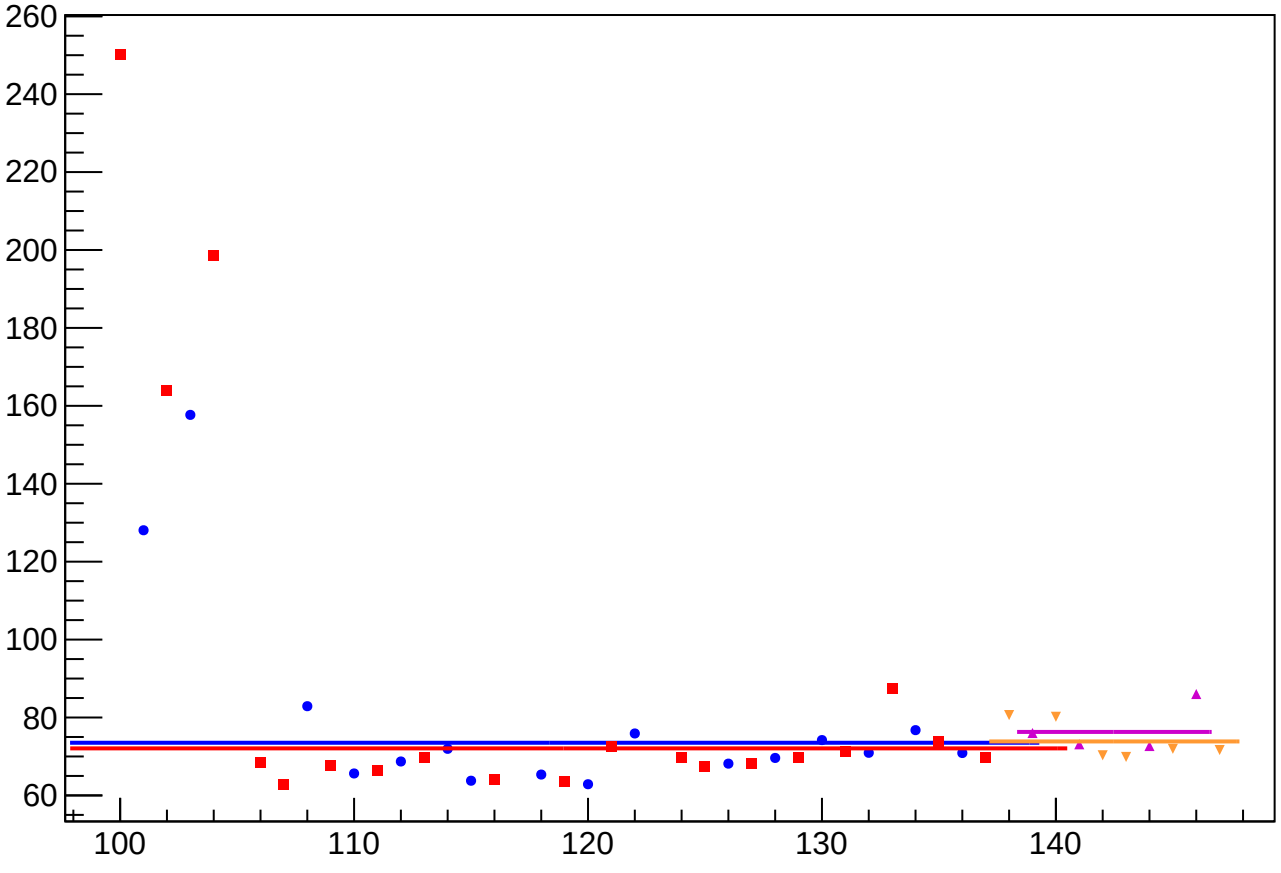
Left In: -121.739+/-40.785 χ^2/NDF:4.9/3

+ sign 22.929+/-21.892 χ^2/NDF: 33.9/21

All: 4.973+/-15.772 χ^2/NDF: 87.4/44

- sign -14.405+/-22.743 χ^2/NDF: 52.1/22

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.9/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

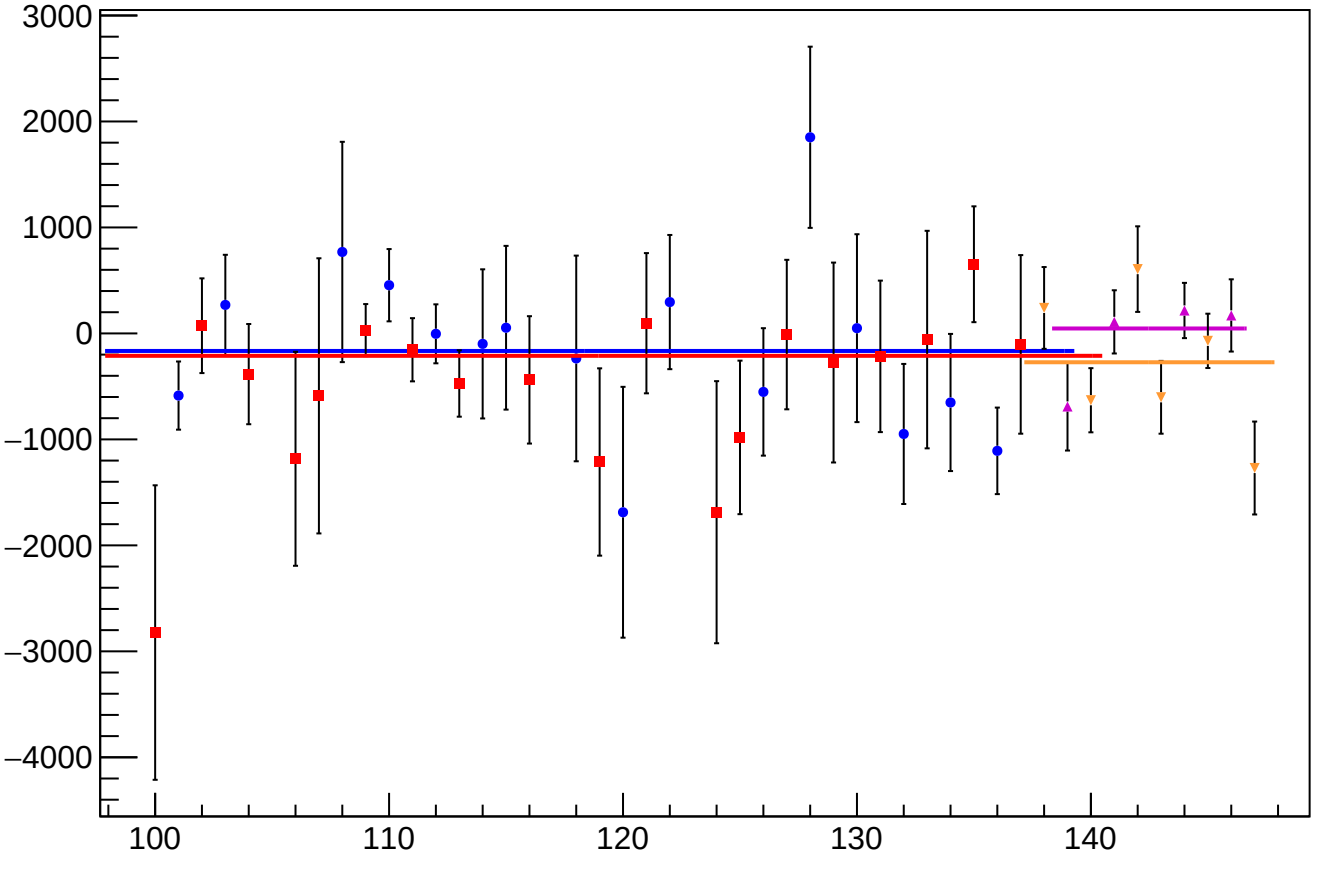
Left In: 76.298+/-0.029 χ^2/NDF:30667.7/3

+ sign 73.651+/-0.015 χ^2/NDF: 688442.2/21

All: 73.524+/-0.011 χ^2/NDF: 1692529.3/44

- sign 73.388+/-0.016 χ^2/NDF: 1003947.6/22

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -272.179+/-137.811 χ^2/NDF:14.6/5

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

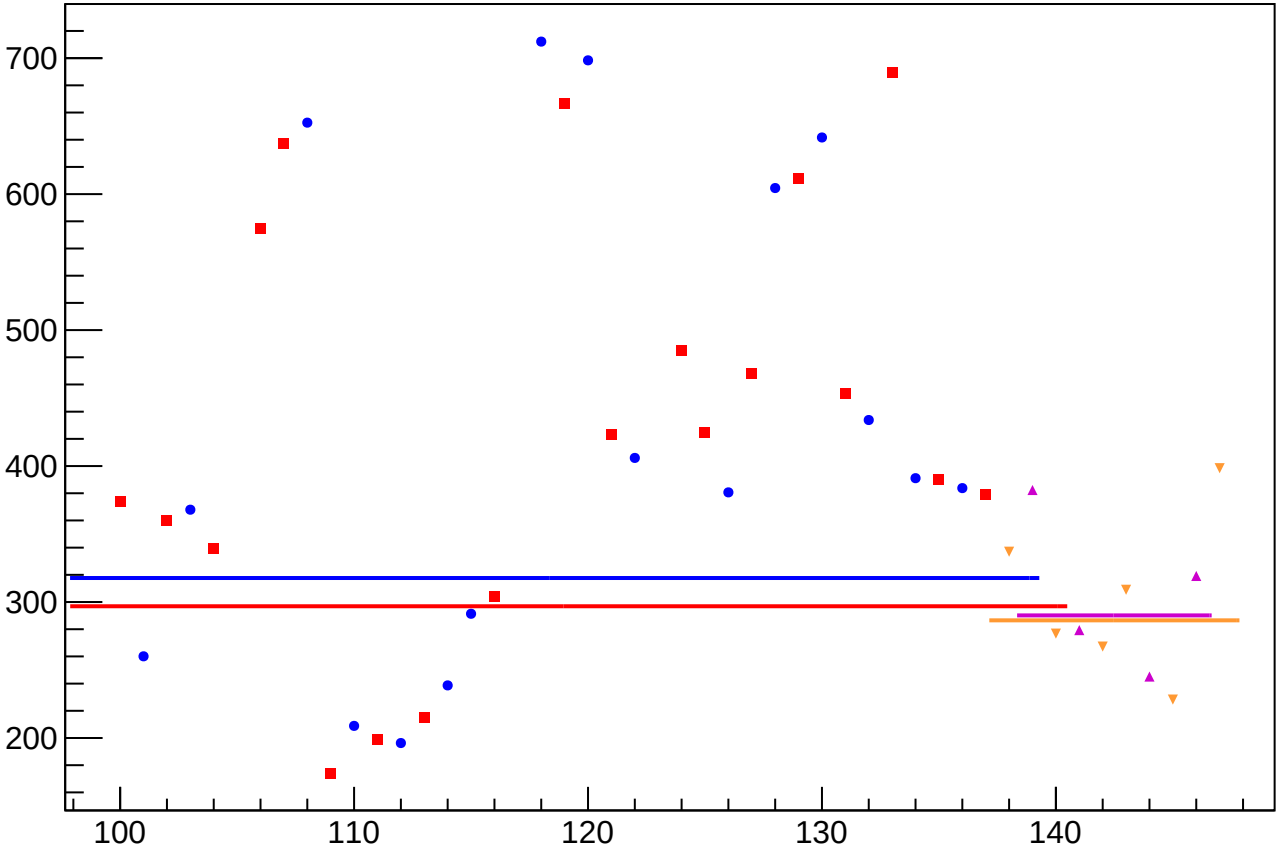
Left In: 46.524+/-157.442 χ^2/NDF:3.7/3

+ sign -215.088+/-93.958 χ^2/NDF: 37.6/21

All: -166.581+/-66.977 χ^2/NDF: 57.2/44

- sign -116.468+/-95.500 χ^2/NDF: 19.0/22

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 286.529+/-0.097 χ^2/NDF:283086.4/5

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

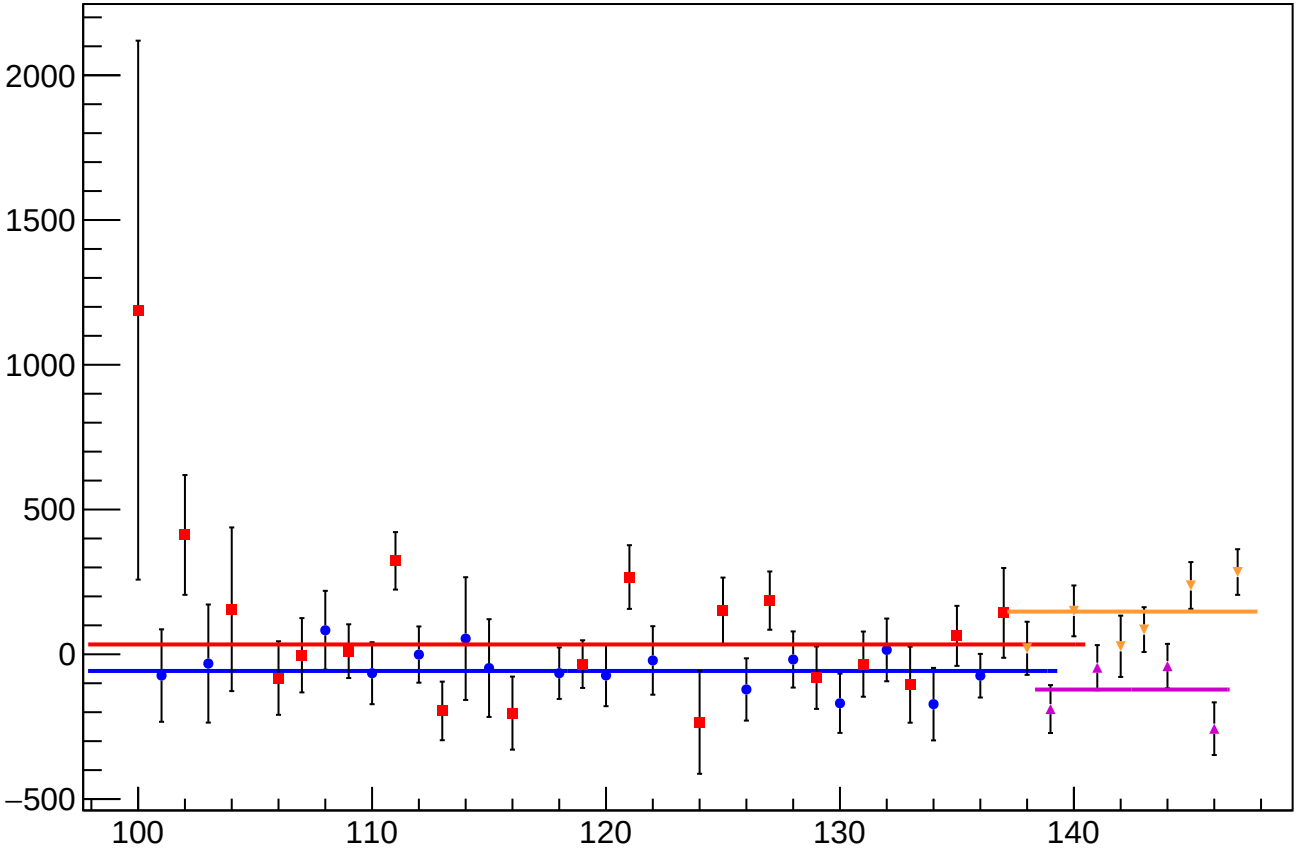
Left In: 290.166+/-0.111 χ^2/NDF:175015.2/3

+ sign 303.191+/-0.066 χ^2/NDF: 2473909.7/21

All: 298.874+/-0.047 χ^2/NDF: 5200853.2/44

- sign 294.415+/-0.068 χ^2/NDF: 2718360.1/22

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.490+/-34.946 χ^2/NDF:8.1/5

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

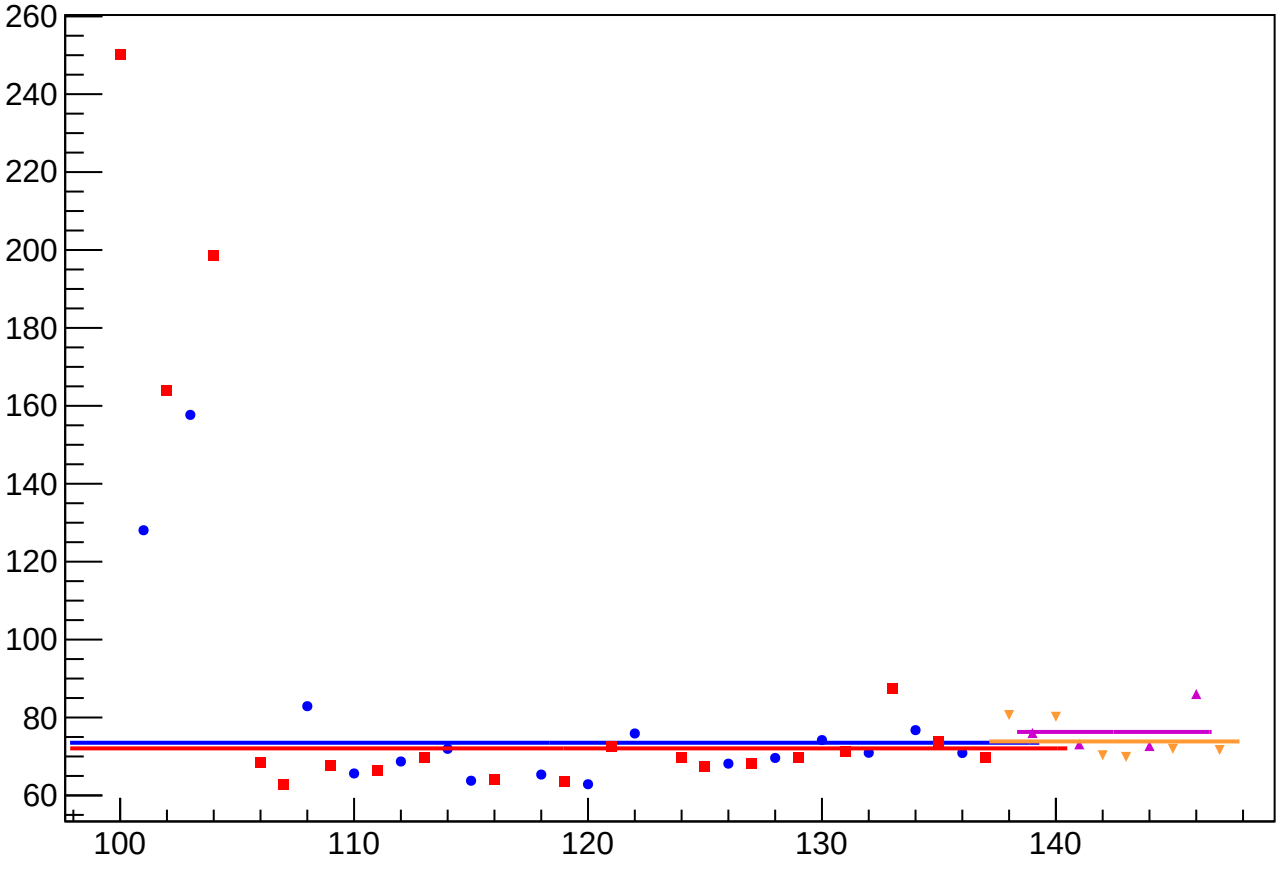
Left In: -121.740+/-40.785 χ^2/NDF:4.9/3

+ sign 22.929+/-21.892 χ^2/NDF: 33.9/21

All: 4.973+/-15.772 χ^2/NDF: 87.4/44

- sign -14.405+/-22.743 χ^2/NDF: 52.1/22

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.0/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

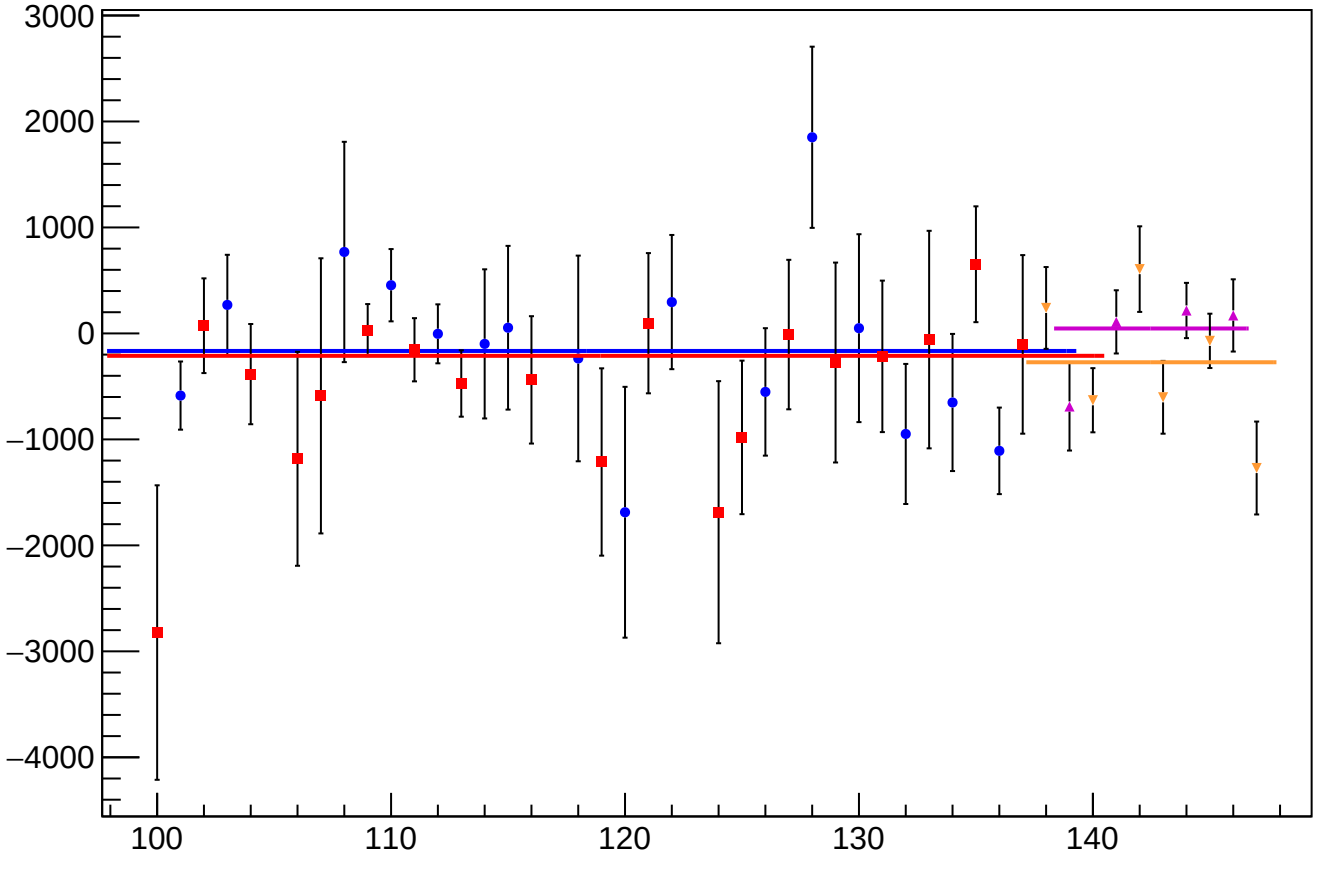
Left In: 76.298+/-0.029 χ^2/NDF:30667.6/3

+ sign 73.651+/-0.015 χ^2/NDF: 688443.1/21

All: 73.524+/-0.011 χ^2/NDF: 1692532.6/44

- sign 73.388+/-0.016 χ^2/NDF: 1003950.1/22

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -272.180+/-137.810 χ^2/NDF:14.6/5

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

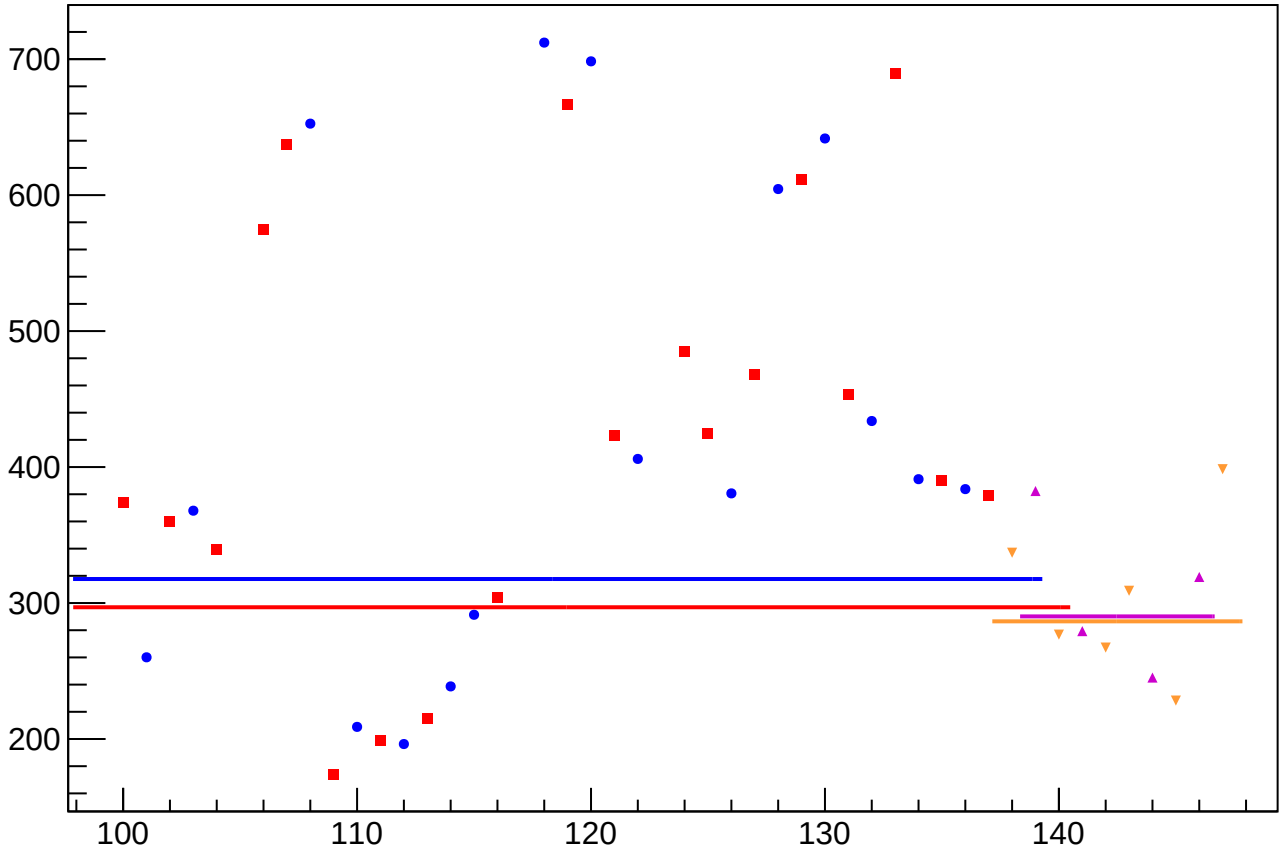
Left In: 46.524+/-157.442 χ^2/NDF:3.7/3

+ sign -215.088+/-93.958 χ^2/NDF: 37.6/21

All: -166.581+/-66.977 χ^2/NDF: 57.2/44

- sign -116.468+/-95.500 χ^2/NDF: 19.0/22

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 286.529+/-0.097 χ^2/NDF:283090.6/5

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

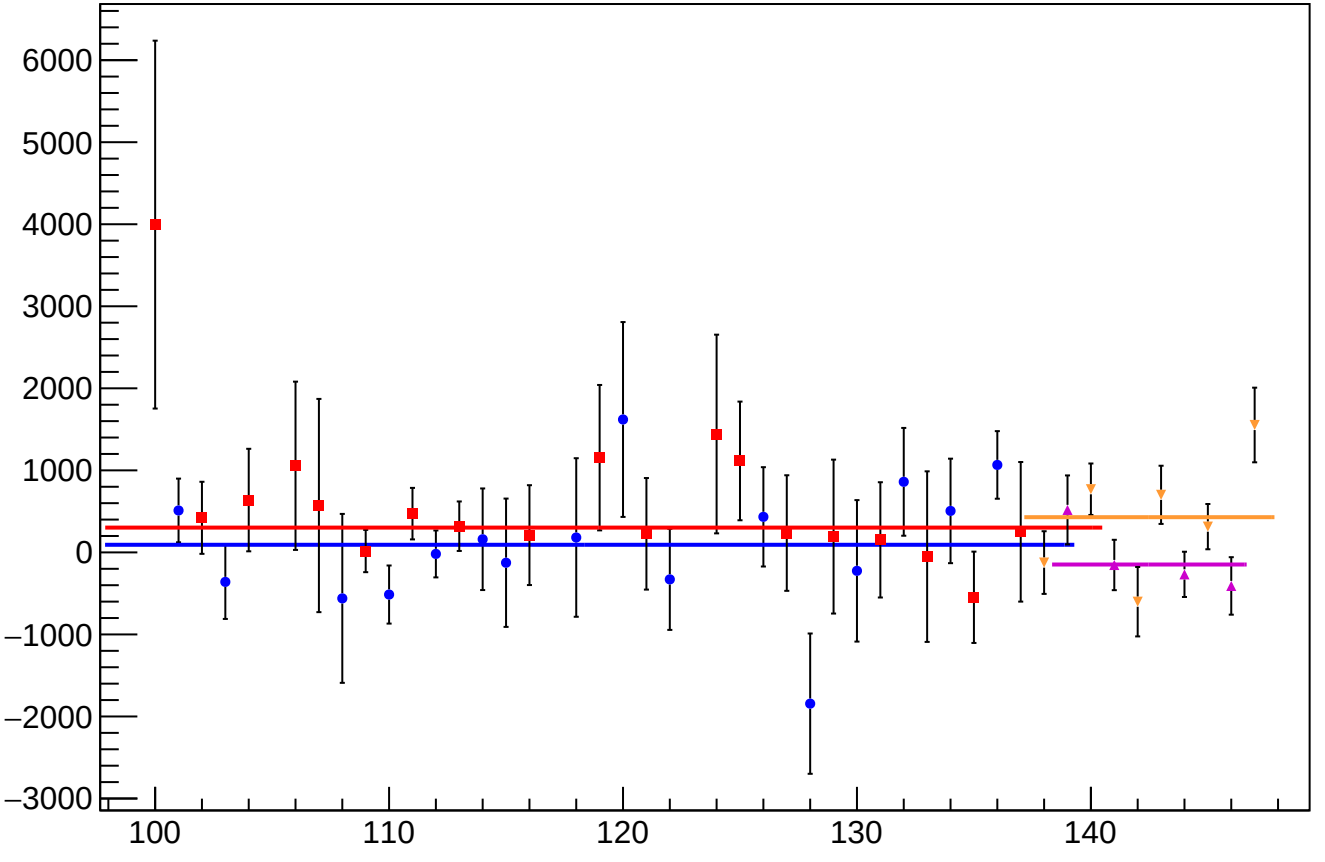
Left In: 290.165+/-0.111 χ^2/NDF:175017.4/3

+ sign 303.190+/-0.066 χ^2/NDF: 2473939.2/21

All: 298.873+/-0.047 χ^2/NDF: 5200894.1/44

- sign 294.414+/-0.068 χ^2/NDF: 2718372.4/22

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 429.142+/-143.545 χ^2/NDF:16.1/5

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

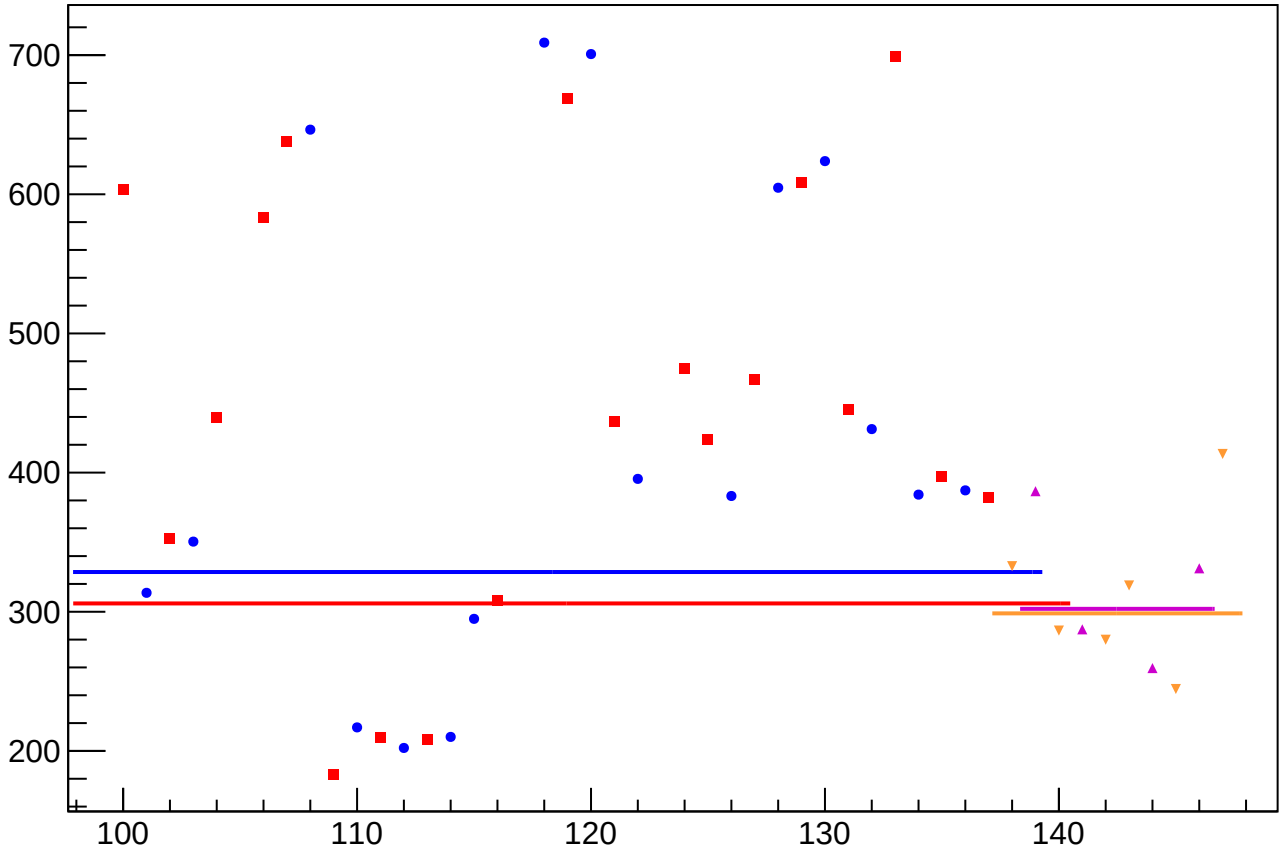
Left In: -147.706+/-163.172 χ^2/NDF:3.3/3

+ sign 246.813+/-97.135 χ^2/NDF: 39.9/21

All: 193.112+/-69.226 χ^2/NDF: 59.4/44

- sign 137.683+/-98.685 χ^2/NDF: 18.9/22

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 298.844+/-0.102 χ^2/NDF:233746.5/5

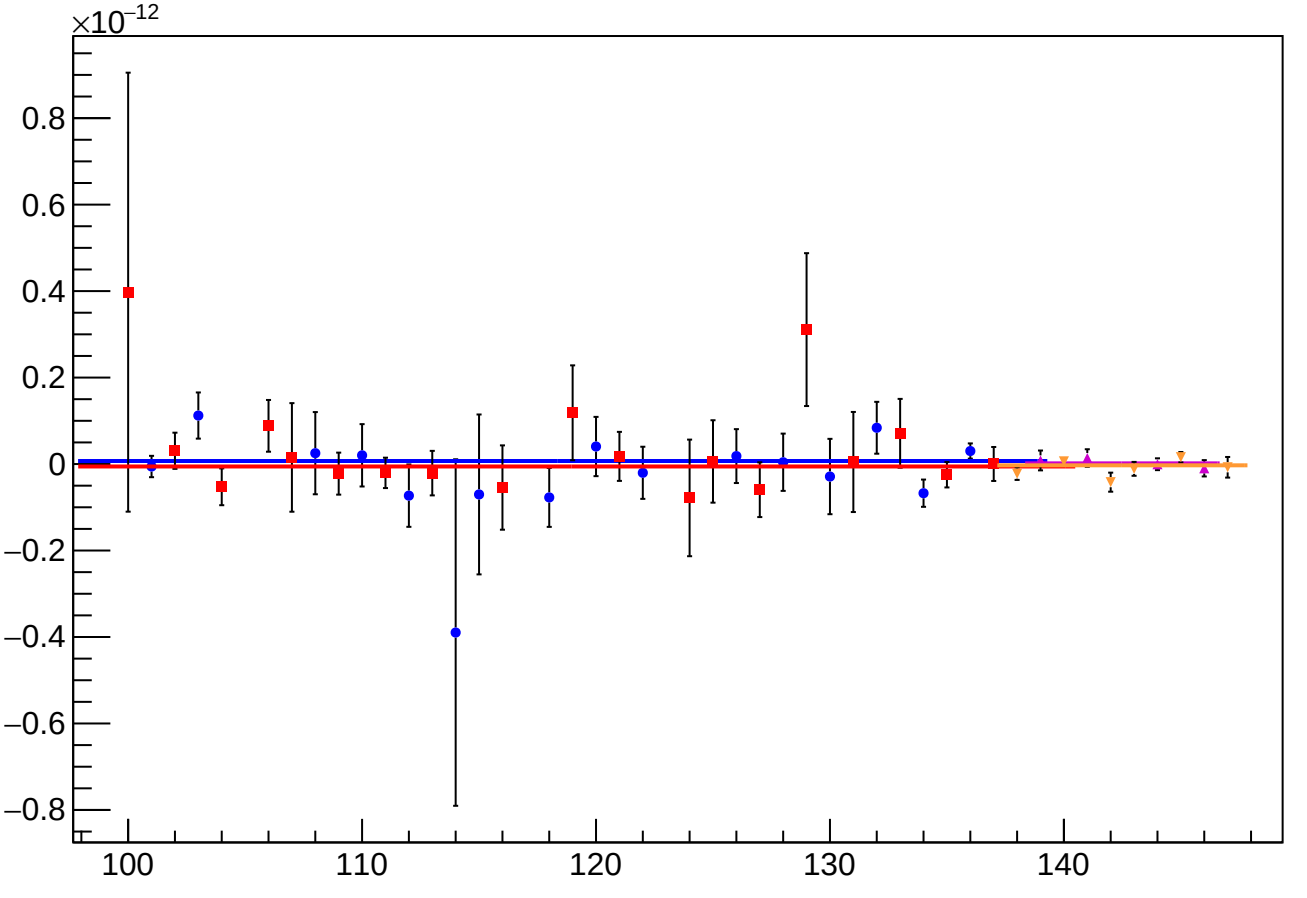
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 302.100+/-0.115 χ^2/NDF:146925.9/3

+ sign 314.957+/-0.069 χ^2/NDF: 2239102.9/21

All: 309.844+/-0.049 χ^2/NDF: 4925474.1/44

- sign 304.566+/-0.070 χ^2/NDF: 2675109.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/5

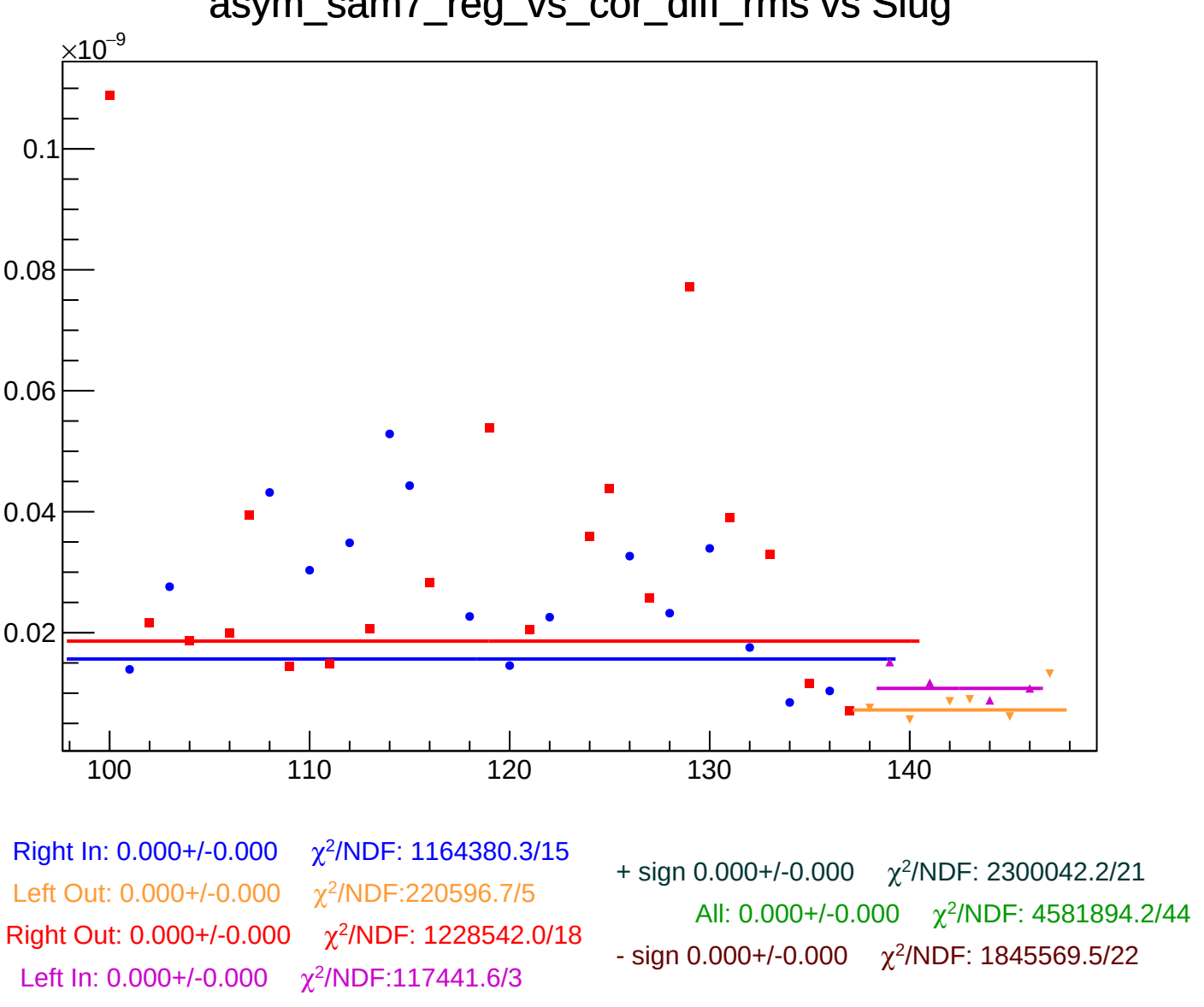
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

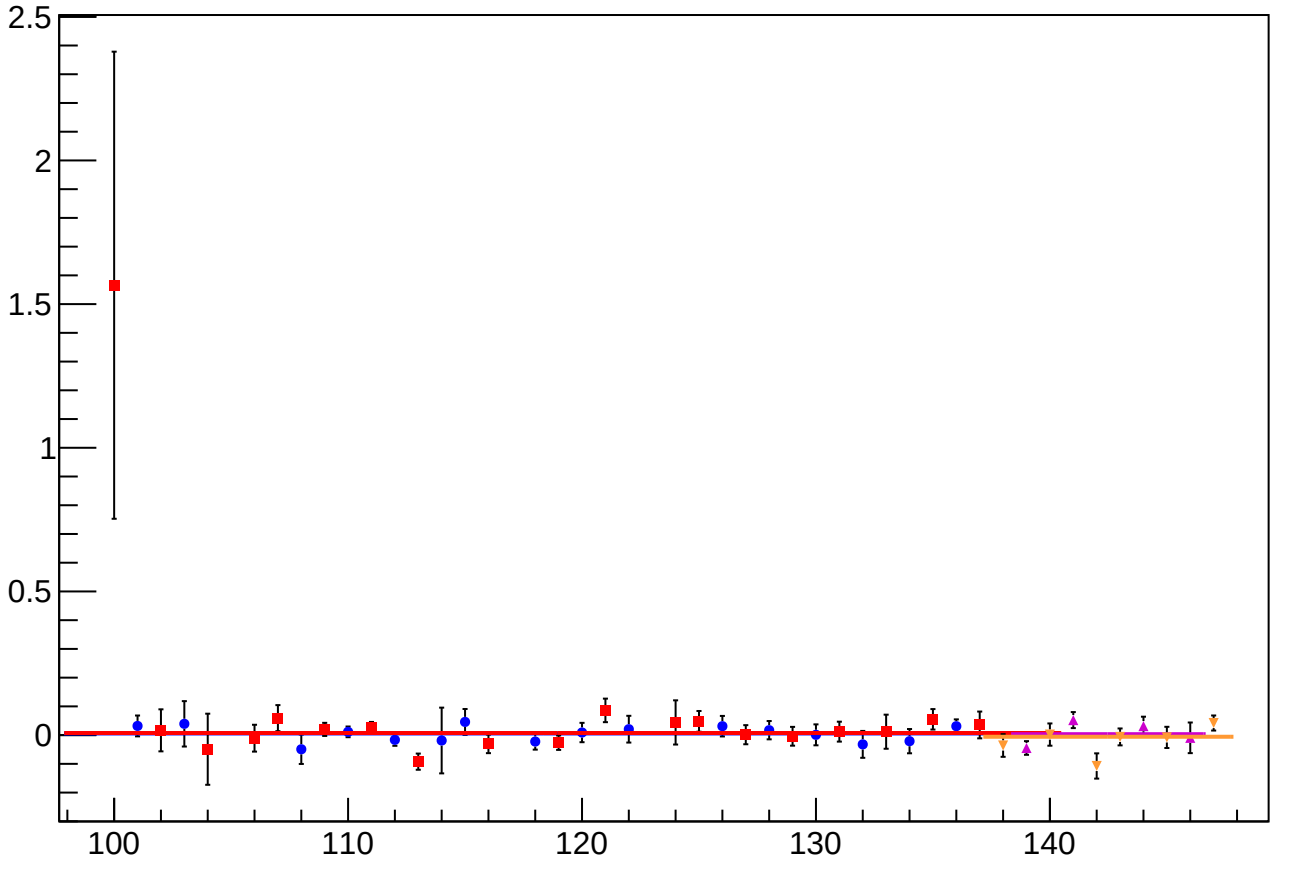
+ sign -0.000+/-0.000 χ^2/NDF: 26.7/21

All: -0.000+/-0.000 χ^2/NDF: 40.6/44

- sign -0.000+/-0.000 χ^2/NDF: 13.9/22


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:220596.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:117441.6/3
+ sign 0.000+/-0.000 χ²/NDF: 2300042.2/21
All: 0.000+/-0.000 χ²/NDF: 4581894.2/44
- sign 0.000+/-0.000 χ²/NDF: 1845569.5/22

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

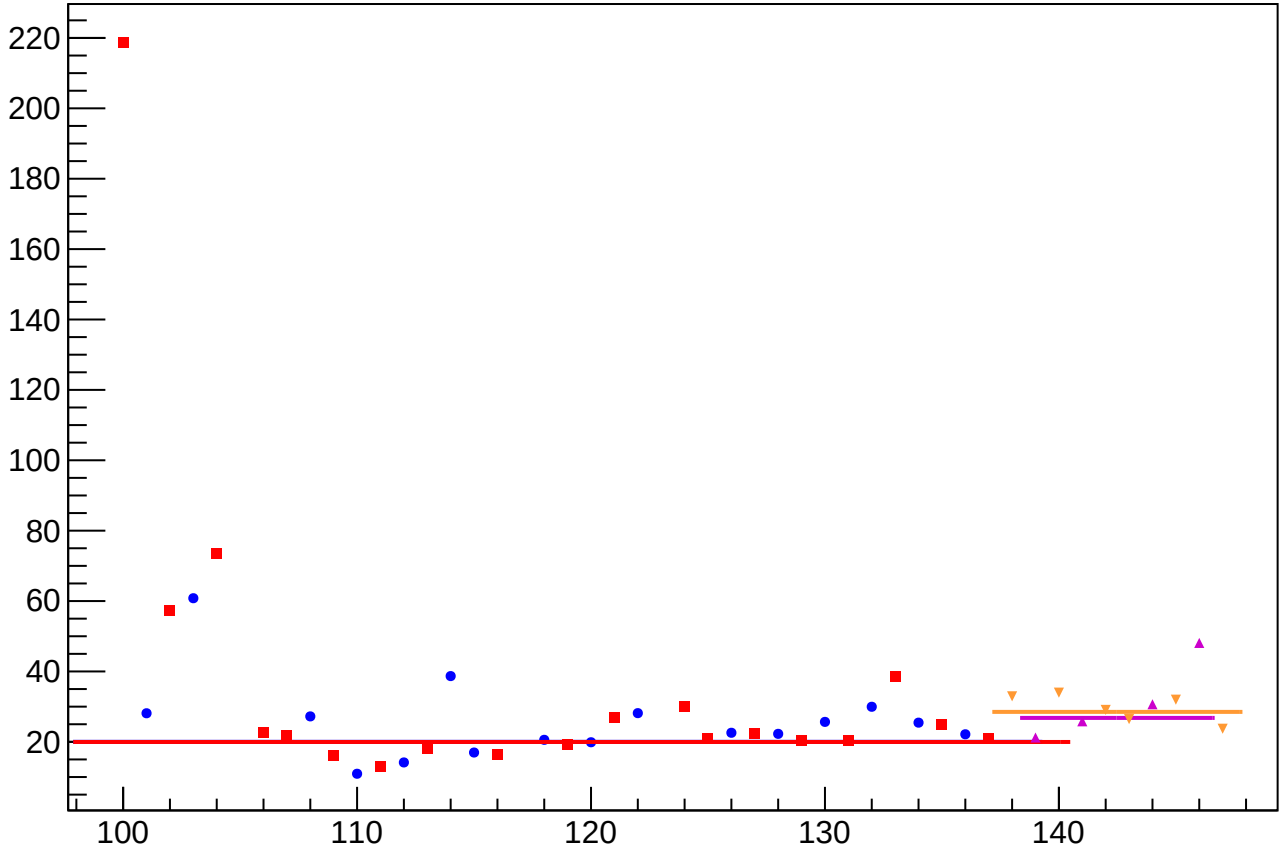
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.005+/-0.005 χ^2/NDF: 55.6/44

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

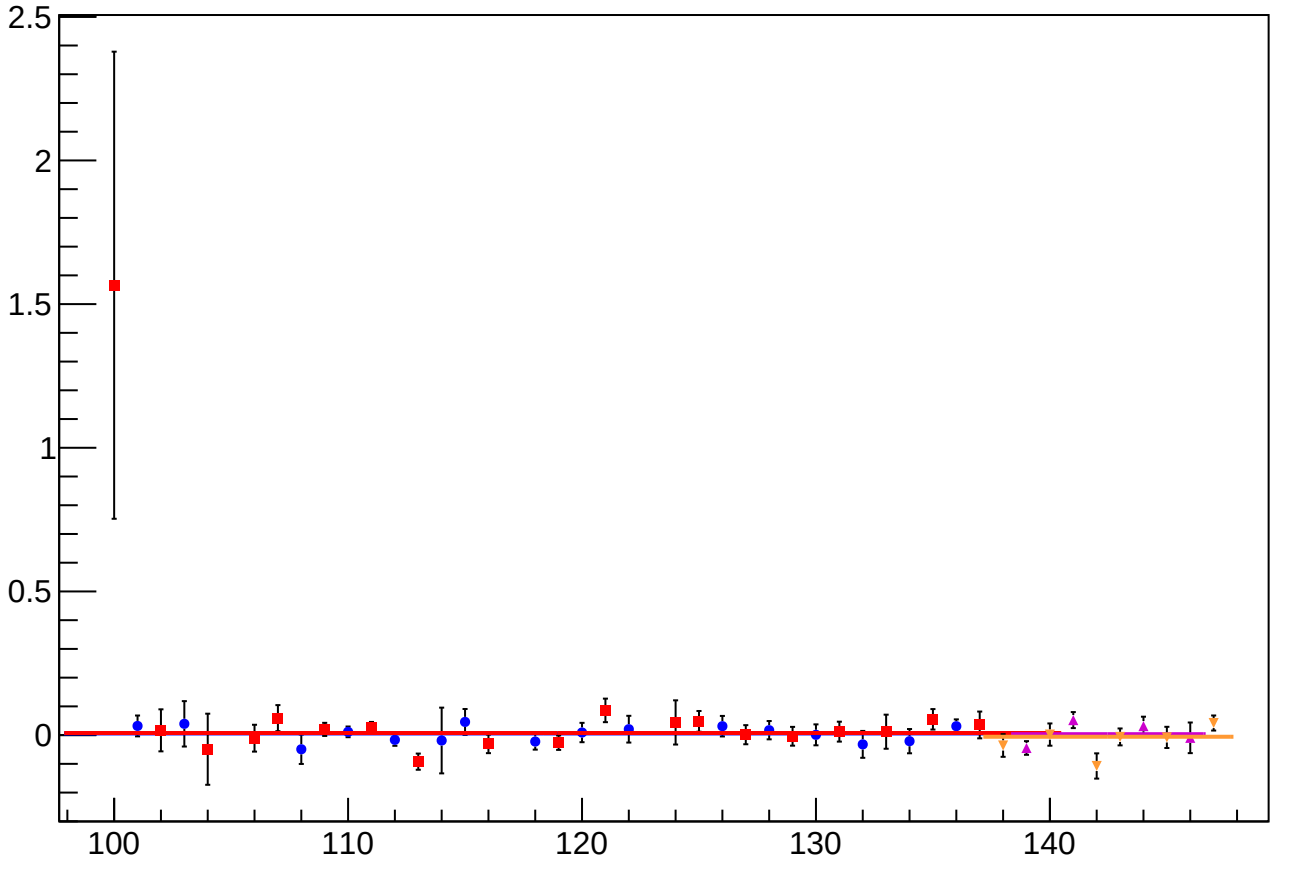
Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

+ sign 22.184+/-0.005 χ^2/NDF: 2357878.3/21

All: 21.834+/-0.004 χ^2/NDF: 4859951.8/44

- sign 21.475+/-0.005 χ^2/NDF: 2492085.1/22

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

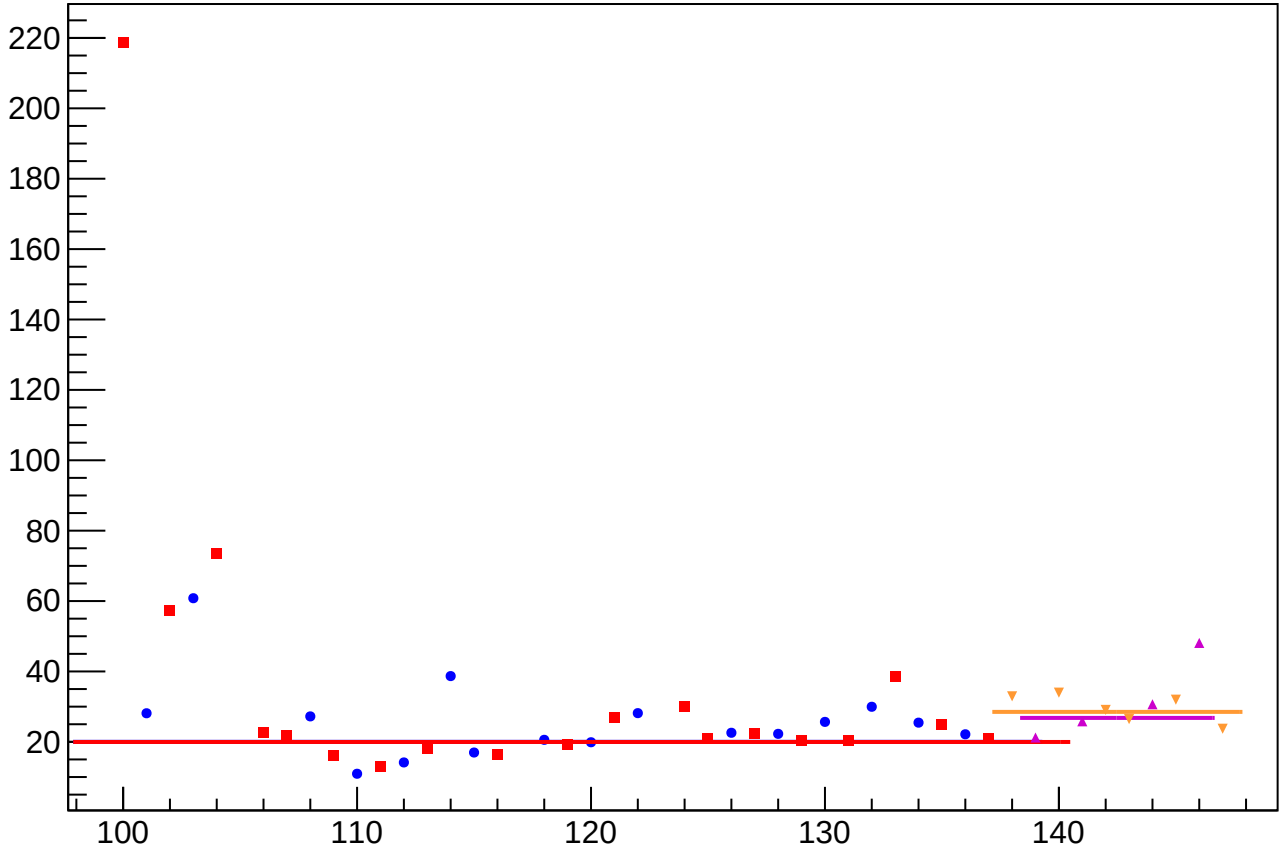
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.005+/-0.005 χ^2/NDF: 55.6/44

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

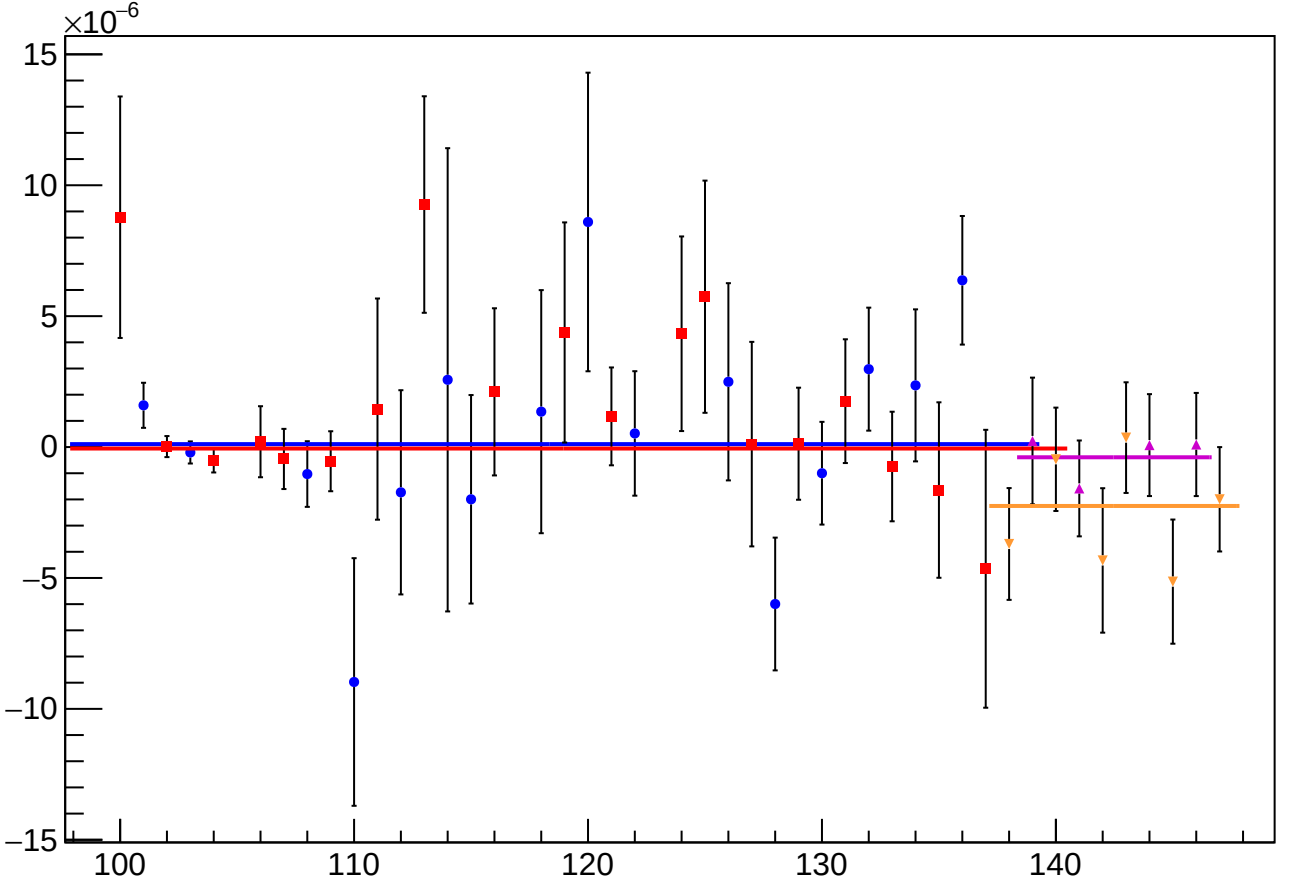
Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

+ sign 22.184+/-0.005 χ^2/NDF: 2357878.3/21

All: 21.834+/-0.004 χ^2/NDF: 4859951.8/44

- sign 21.475+/-0.005 χ^2/NDF: 2492085.1/22

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

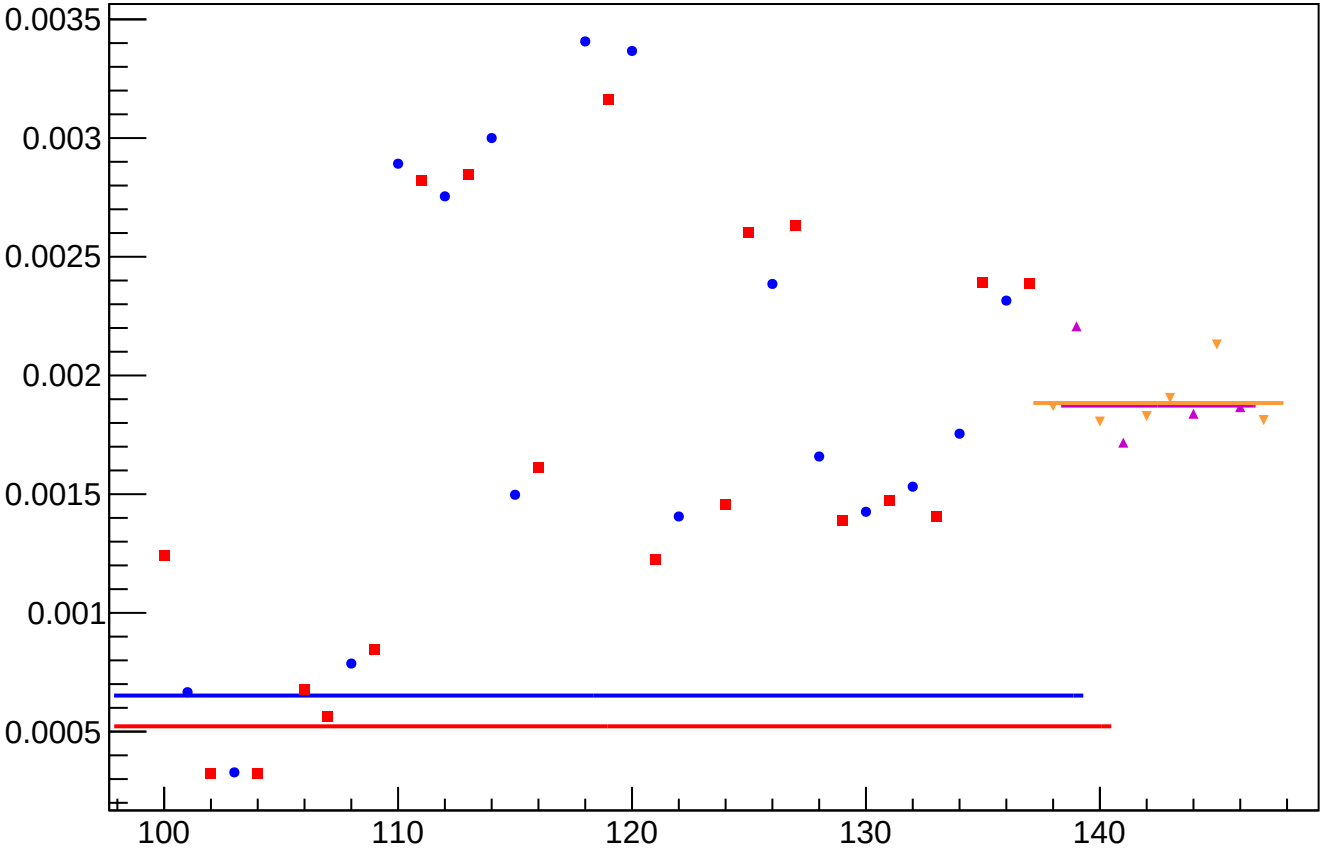
Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/21

All: -0.000+/-0.000 χ^2/NDF: 55.0/44

- sign -0.000+/-0.000 χ^2/NDF: 17.8/22

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:28431.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

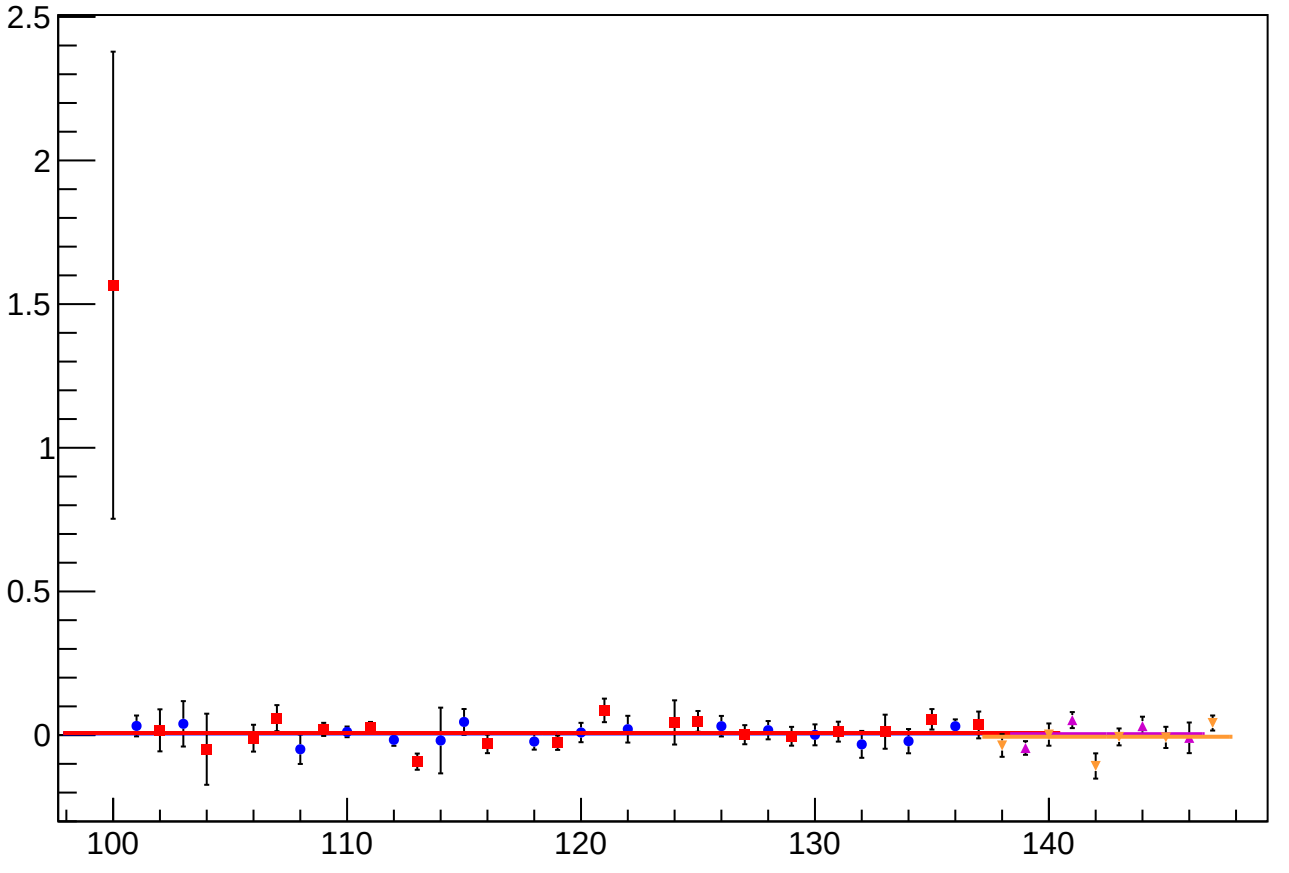
Left In: 0.002+/-0.000 χ^2/NDF:53289.3/3

+ sign 0.001+/-0.000 χ^2/NDF: 9744734.1/21

All: 0.001+/-0.000 χ^2/NDF: 20340303.2/44

- sign 0.001+/-0.000 χ^2/NDF: 10117904.7/22

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

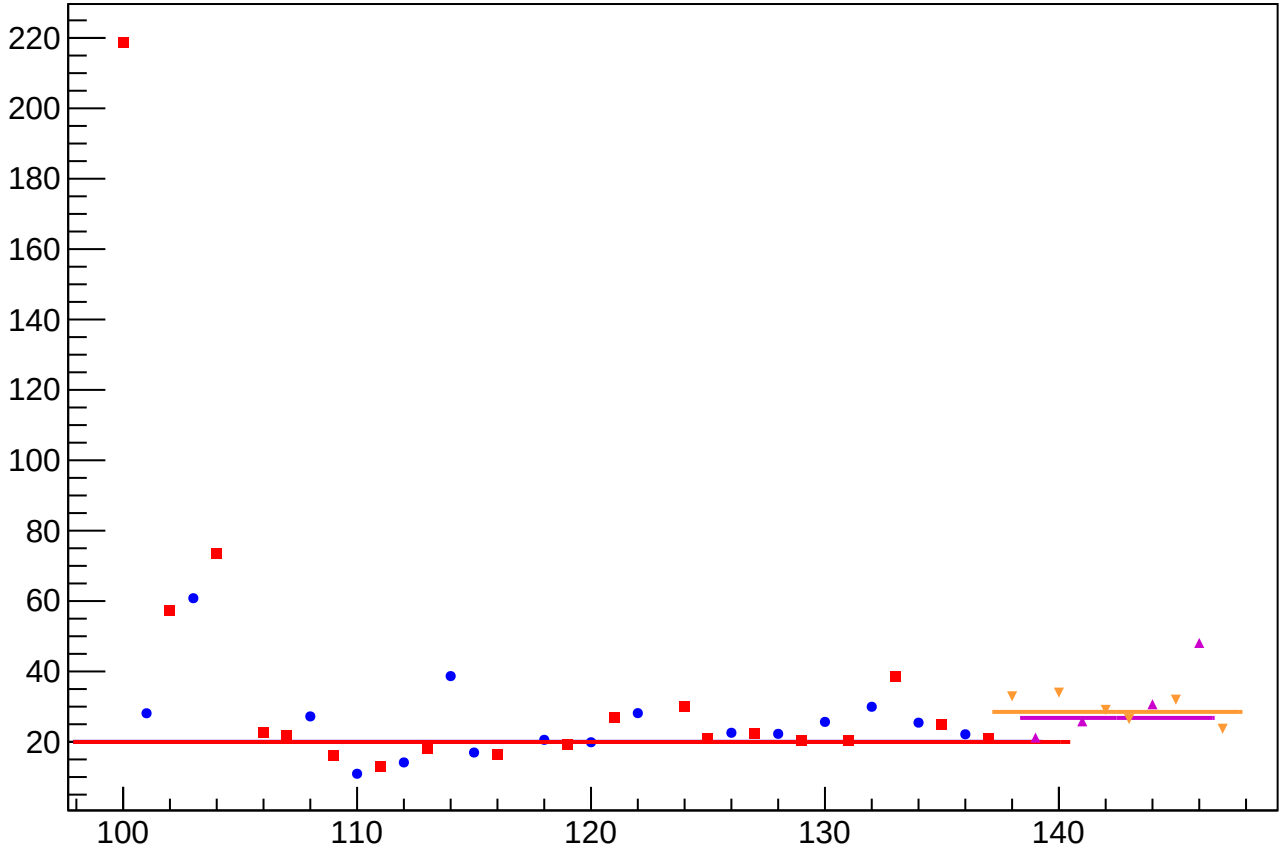
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.005+/-0.005 χ^2/NDF: 55.6/44

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

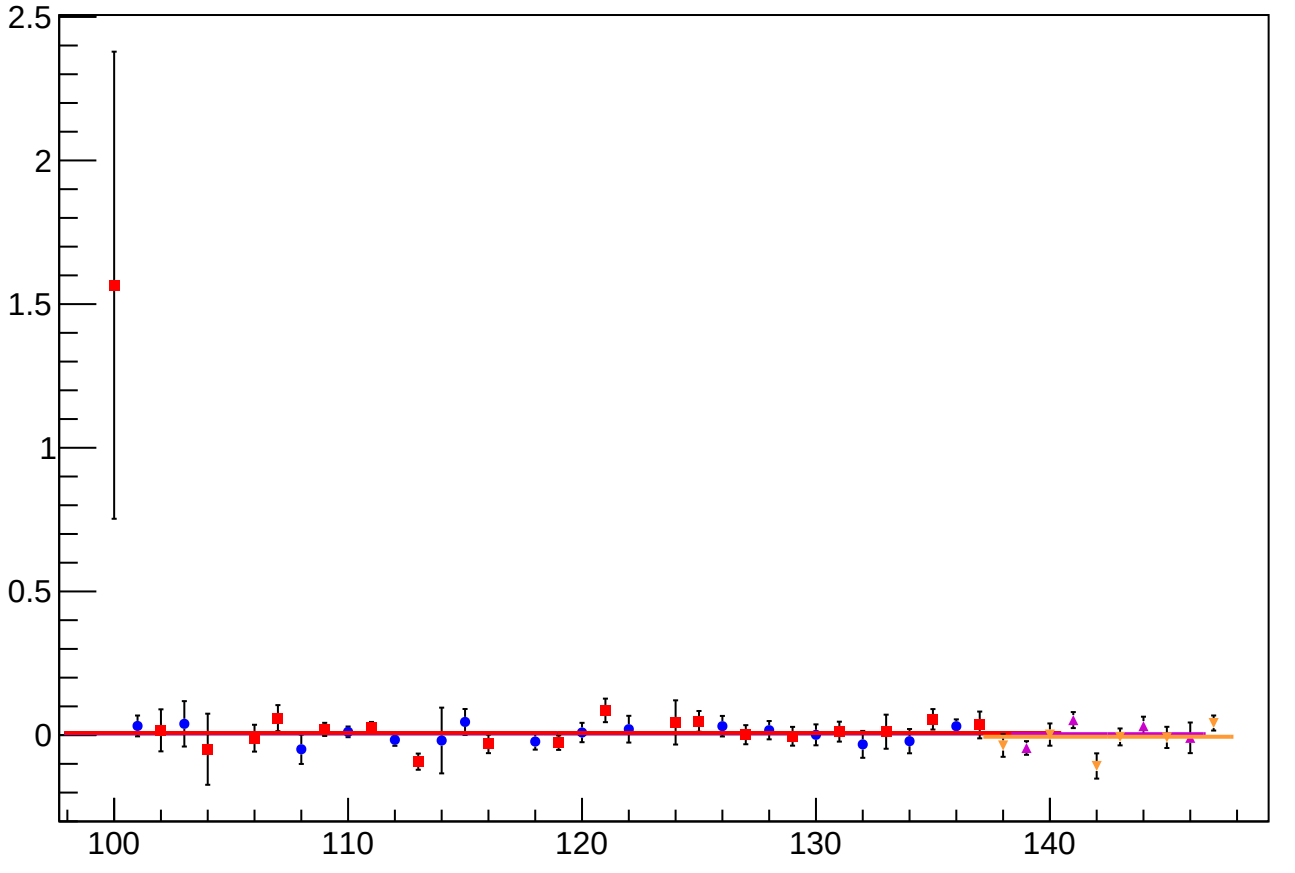
Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

+ sign 22.184+/-0.005 χ^2/NDF: 2357661.2/21

All: 21.835+/-0.004 χ^2/NDF: 4859674.4/44

- sign 21.475+/-0.005 χ^2/NDF: 2492016.6/22

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: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

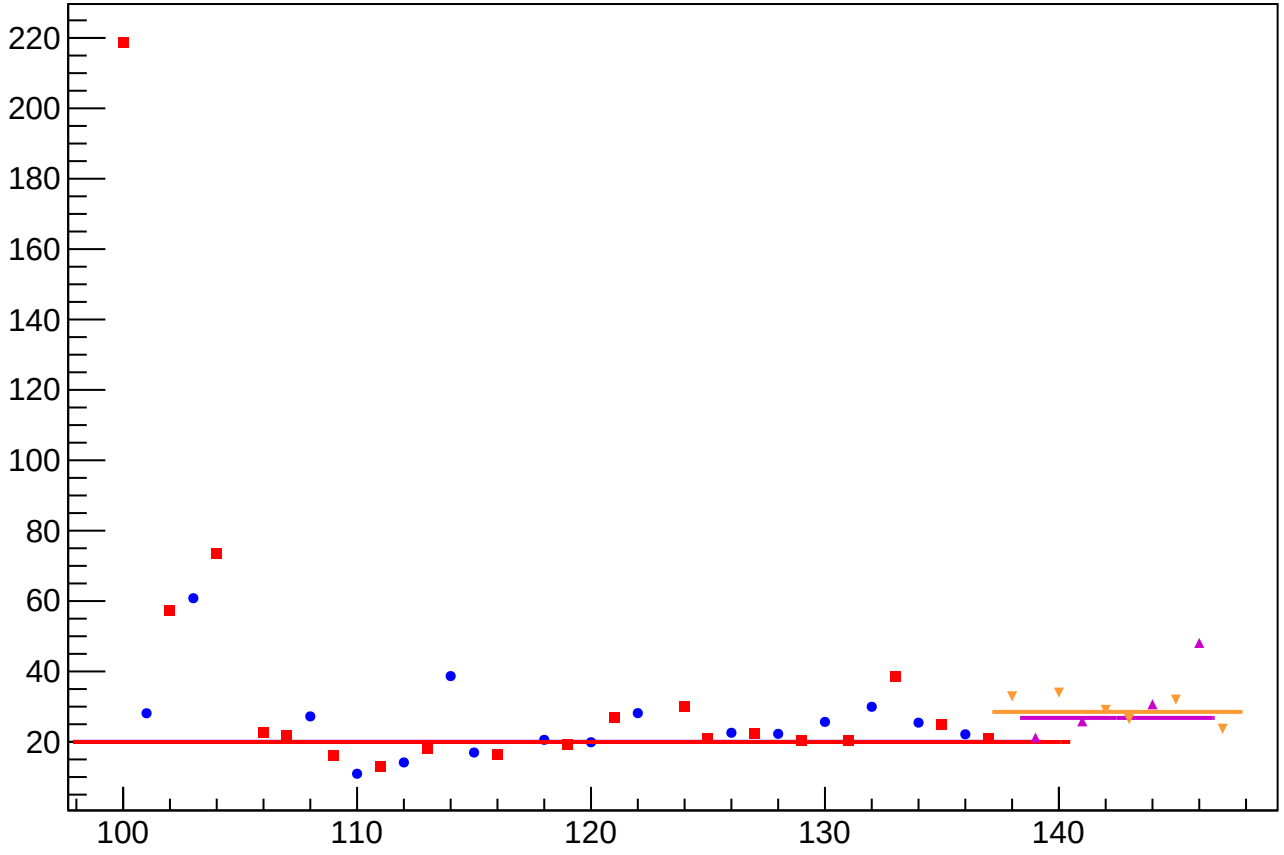
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.005+/-0.005 χ^2/NDF: 55.6/44

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

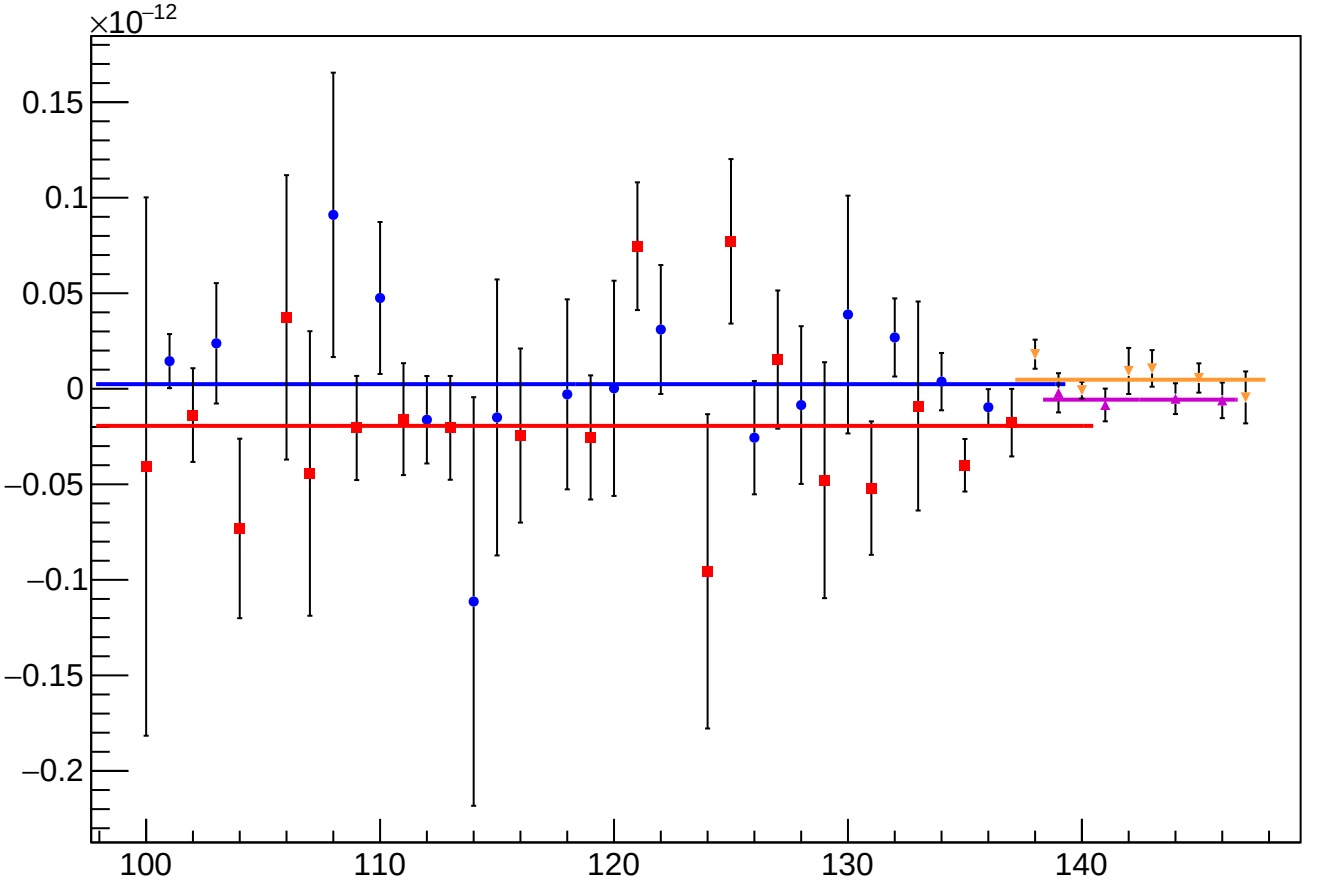
Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

\+ sign 22.184+/-0.005 χ^2/NDF: 2357661.2/21

All: 21.835+/-0.004 χ^2/NDF: 4859674.4/44

\- sign 21.475+/-0.005 χ^2/NDF: 2492016.6/22

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:5.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

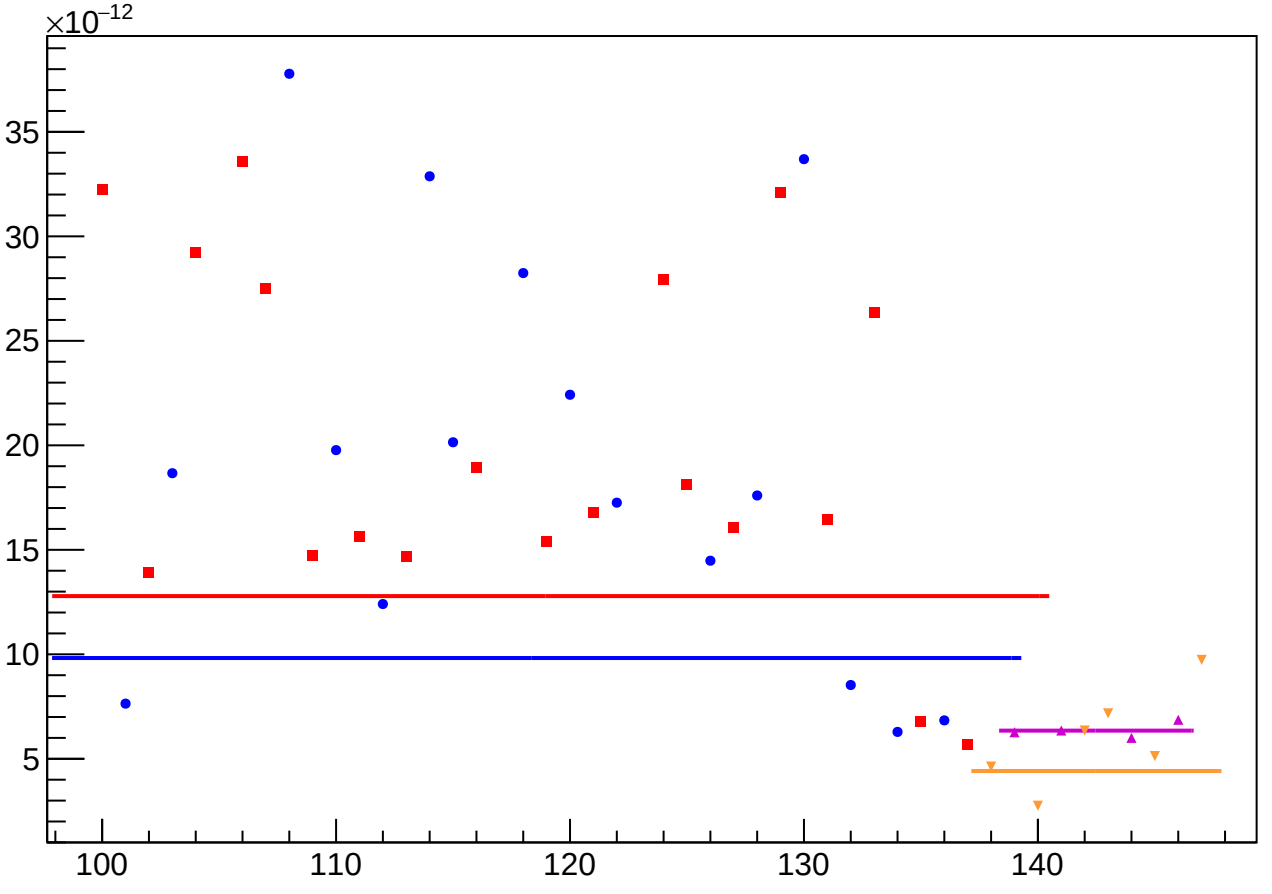
Left In: -0.000+/-0.000 χ^2/NDF:0.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.7/21

All: -0.000+/-0.000 χ^2/NDF: 48.8/44

- sign -0.000+/-0.000 χ^2/NDF: 23.2/22

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:835154.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

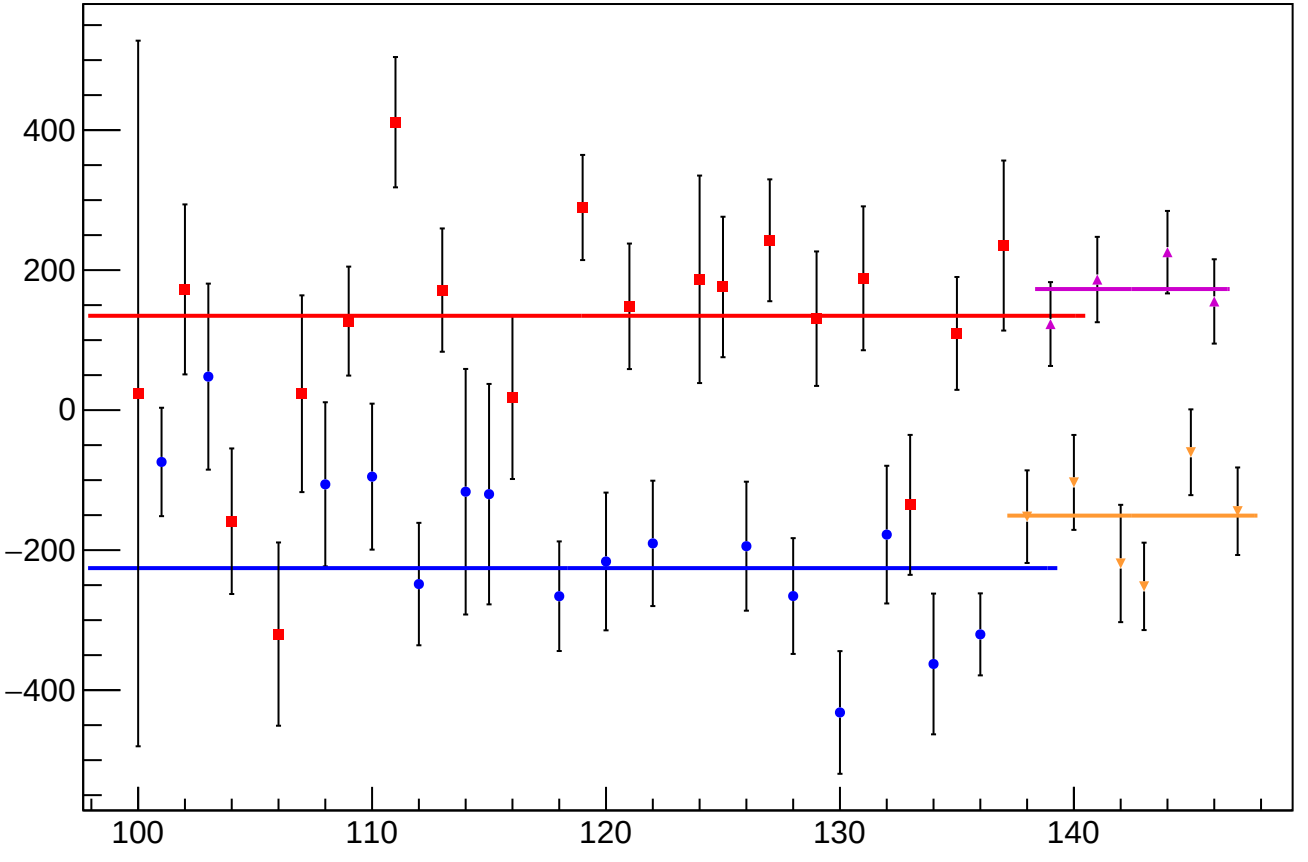
Left In: 0.000+/-0.000 χ^2/NDF:10017.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 4214800.5/21

All: 0.000+/-0.000 χ^2/NDF: 7845568.2/44

- sign 0.000+/-0.000 χ^2/NDF: 2996308.3/22

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.685+/-27.044 χ^2/NDF:6.0/5

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

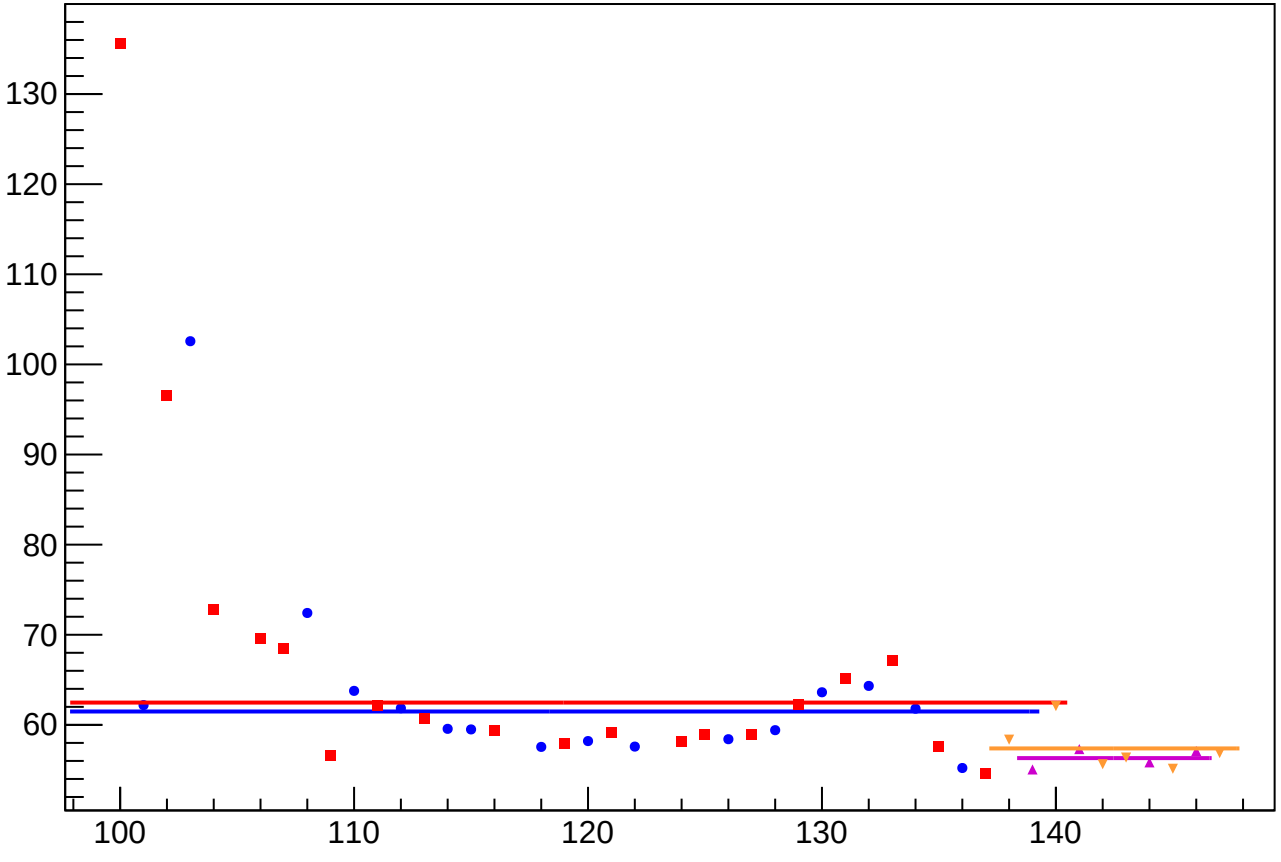
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -194.023+/-17.573 χ^2/NDF: 33.0/21

All: -29.878+/-12.691 χ^2/NDF: 263.3/44

- sign 149.055+/-18.347 χ^2/NDF: 47.9/22

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

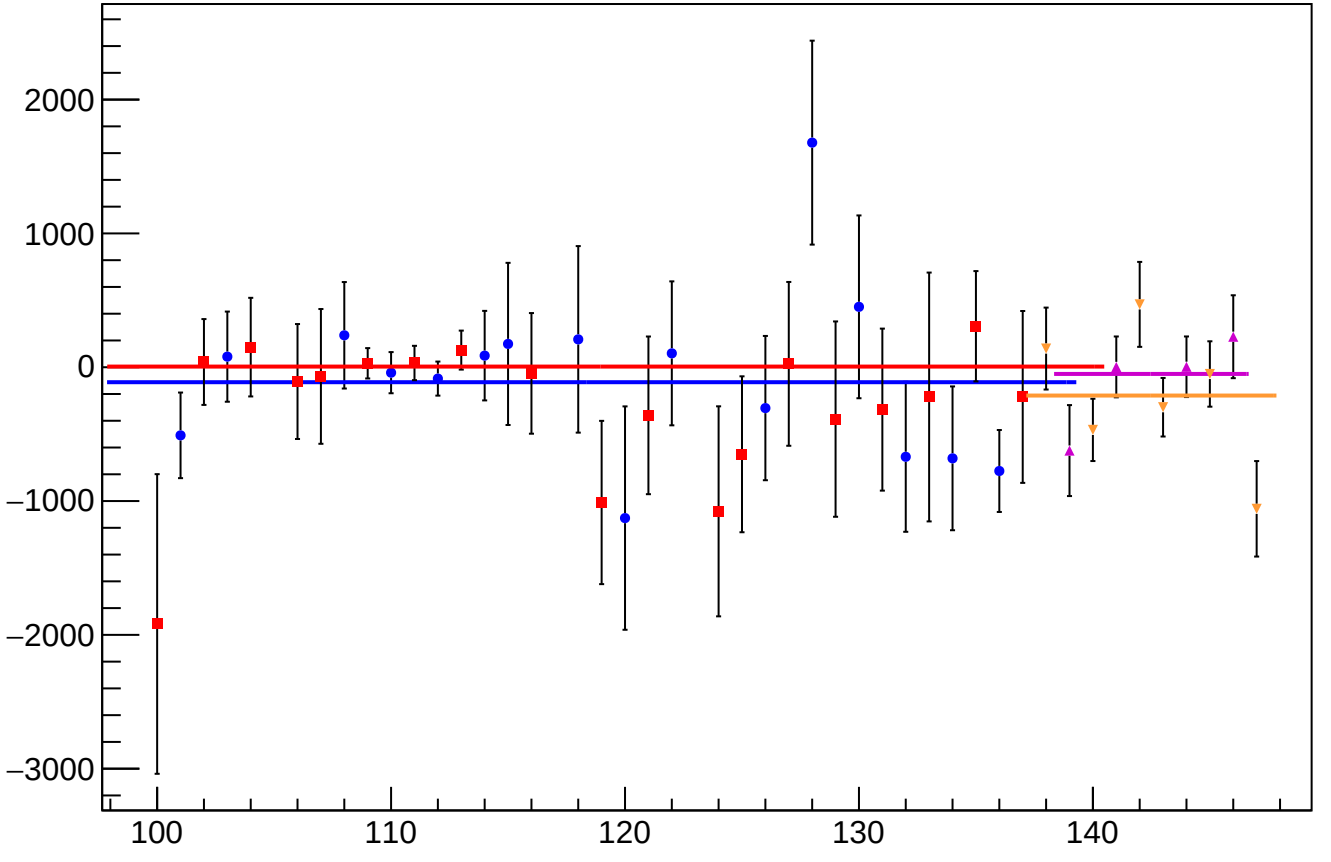
Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

+ sign 59.756+/-0.012 χ^2/NDF: 291480.8/21

All: 59.954+/-0.009 χ^2/NDF: 627878.7/44

- sign 60.170+/-0.013 χ^2/NDF: 335864.8/22

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -211.582+/-108.758 χ^2/NDF:13.4/5

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

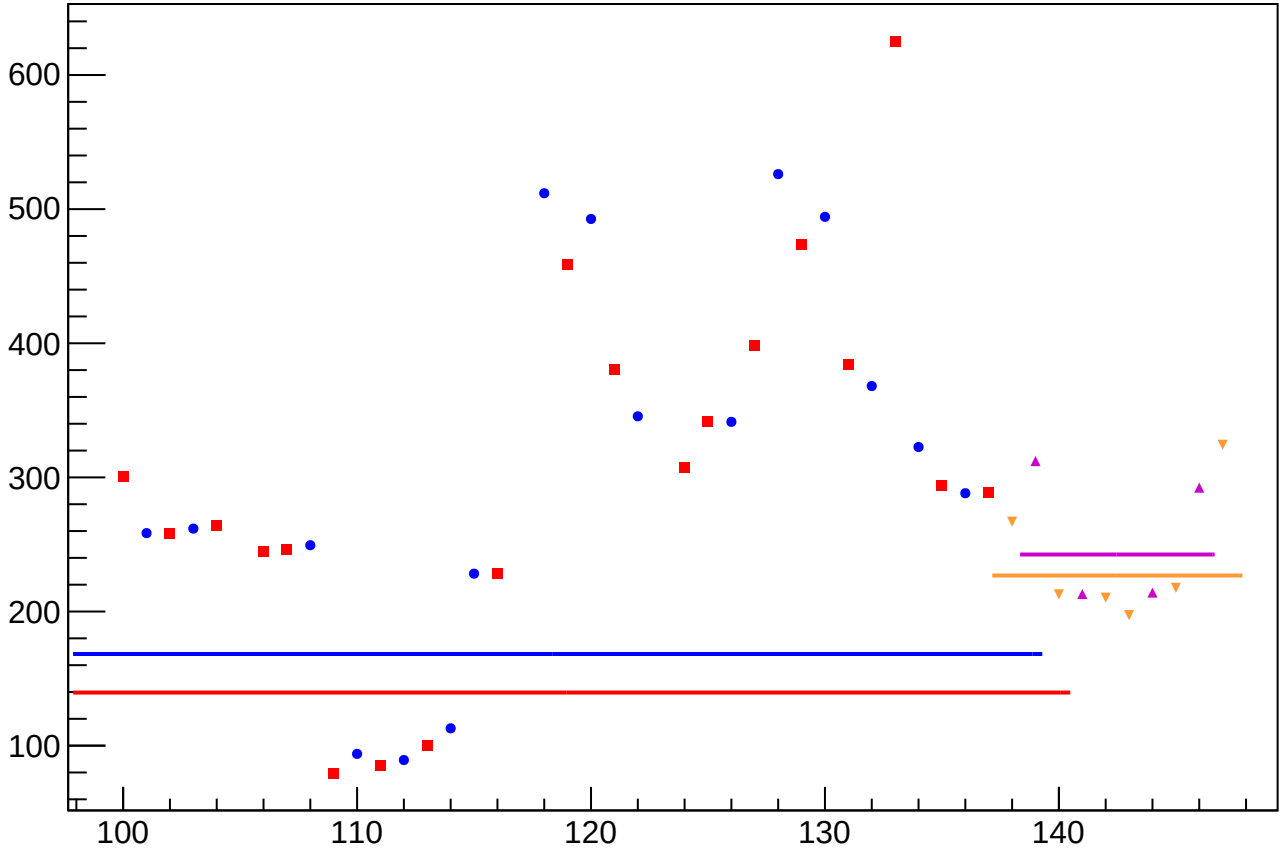
Left In: -50.088+/-131.397 χ^2/NDF:3.8/3

+ sign -144.718+/-62.414 χ^2/NDF: 32.4/21

All: -69.472+/-42.285 χ^2/NDF: 50.6/44

- sign -5.632+/-57.489 χ^2/NDF: 15.5/22

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 226.849+/-0.077 χ^2/NDF:235571.0/5

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

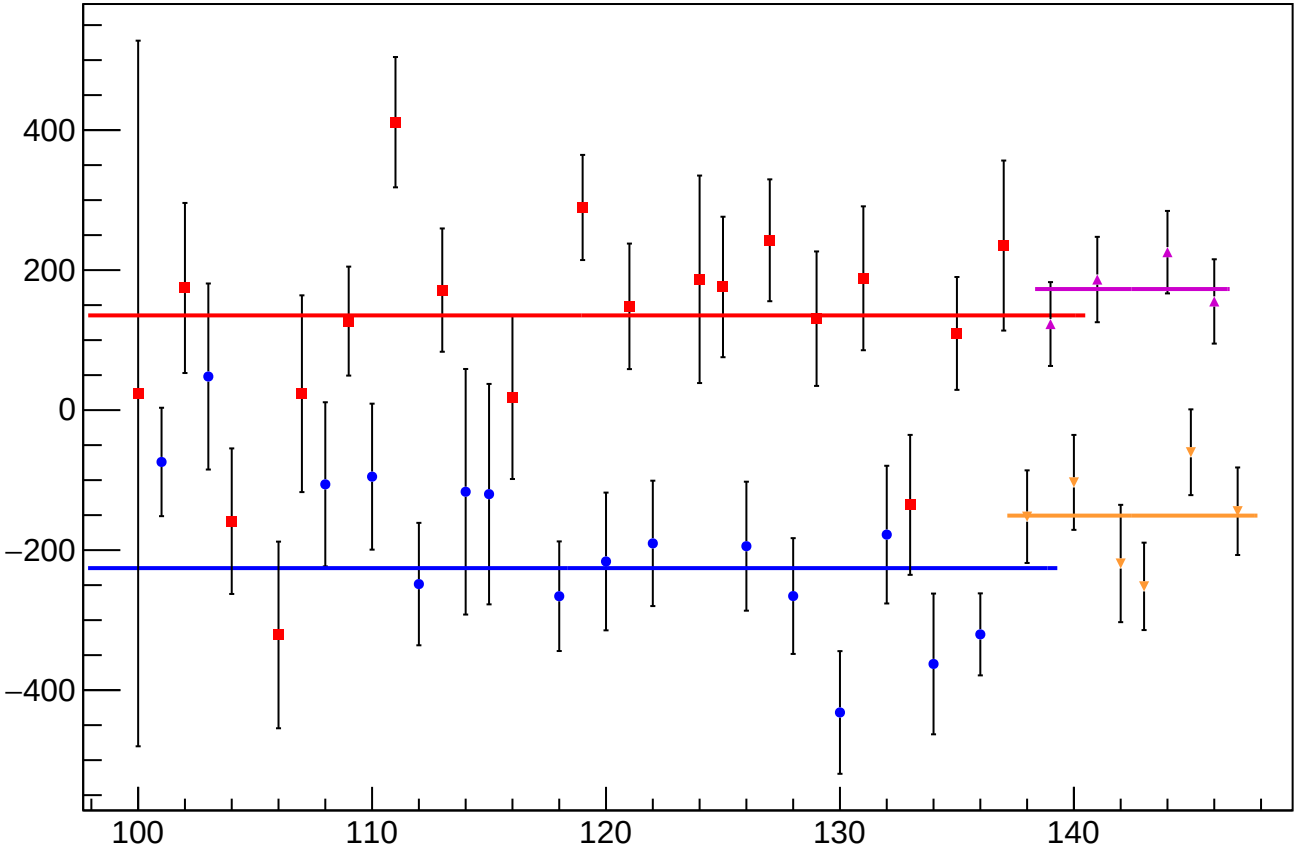
Left In: 242.512+/-0.093 χ^2/NDF:200741.0/3

+ sign 187.602+/-0.044 χ^2/NDF: 5167954.8/21

All: 172.287+/-0.030 χ^2/NDF: 11737549.0/44

- sign 159.295+/-0.041 χ^2/NDF: 6347022.8/22

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

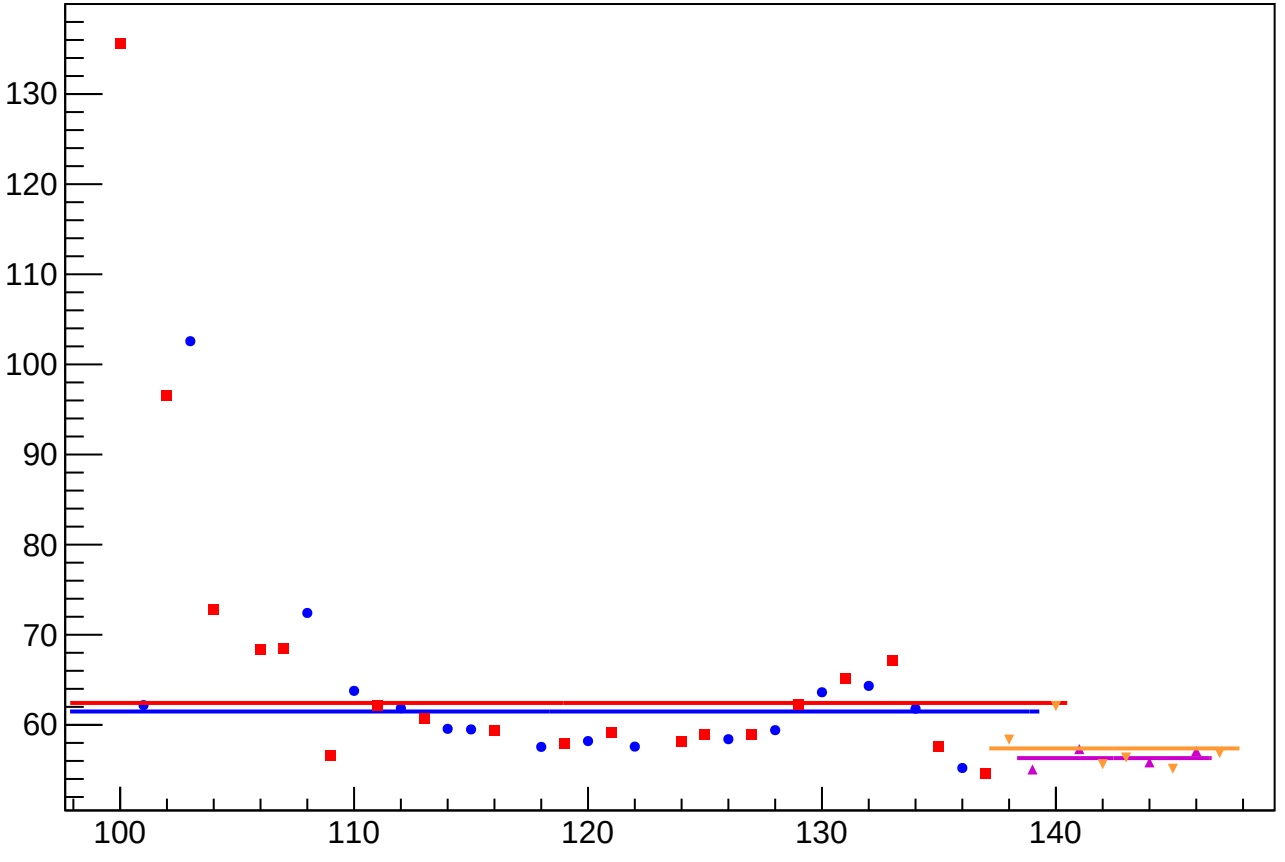
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -194.022+/-17.573 χ^2/NDF: 33.0/21

All: -29.770+/-12.693 χ^2/NDF: 263.2/44

- sign 149.409+/-18.354 χ^2/NDF: 47.5/22

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

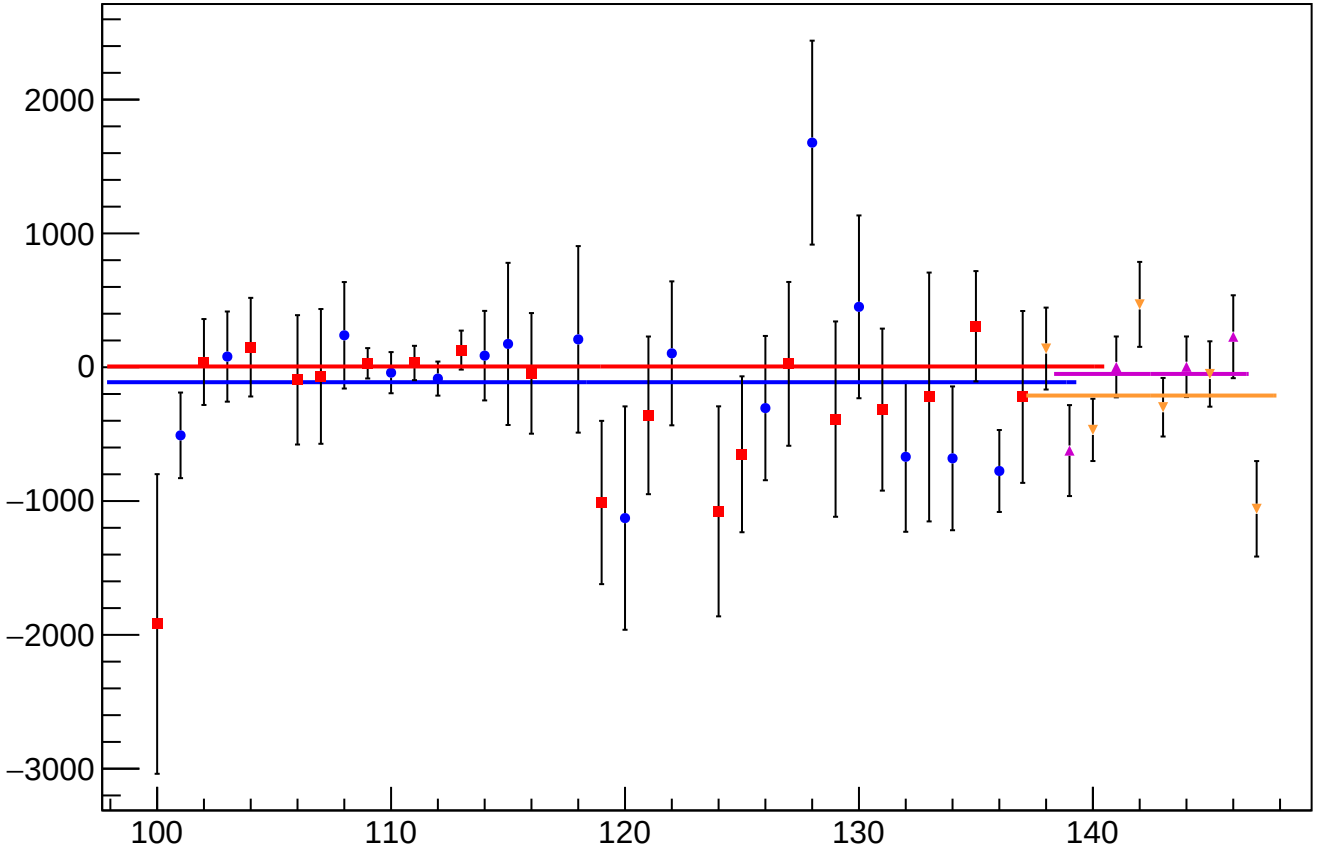
Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

+ sign 59.756+/-0.012 χ^2/NDF: 291483.4/21

All: 59.940+/-0.009 χ^2/NDF: 625312.1/44

- sign 60.142+/-0.013 χ^2/NDF: 333366.8/22

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

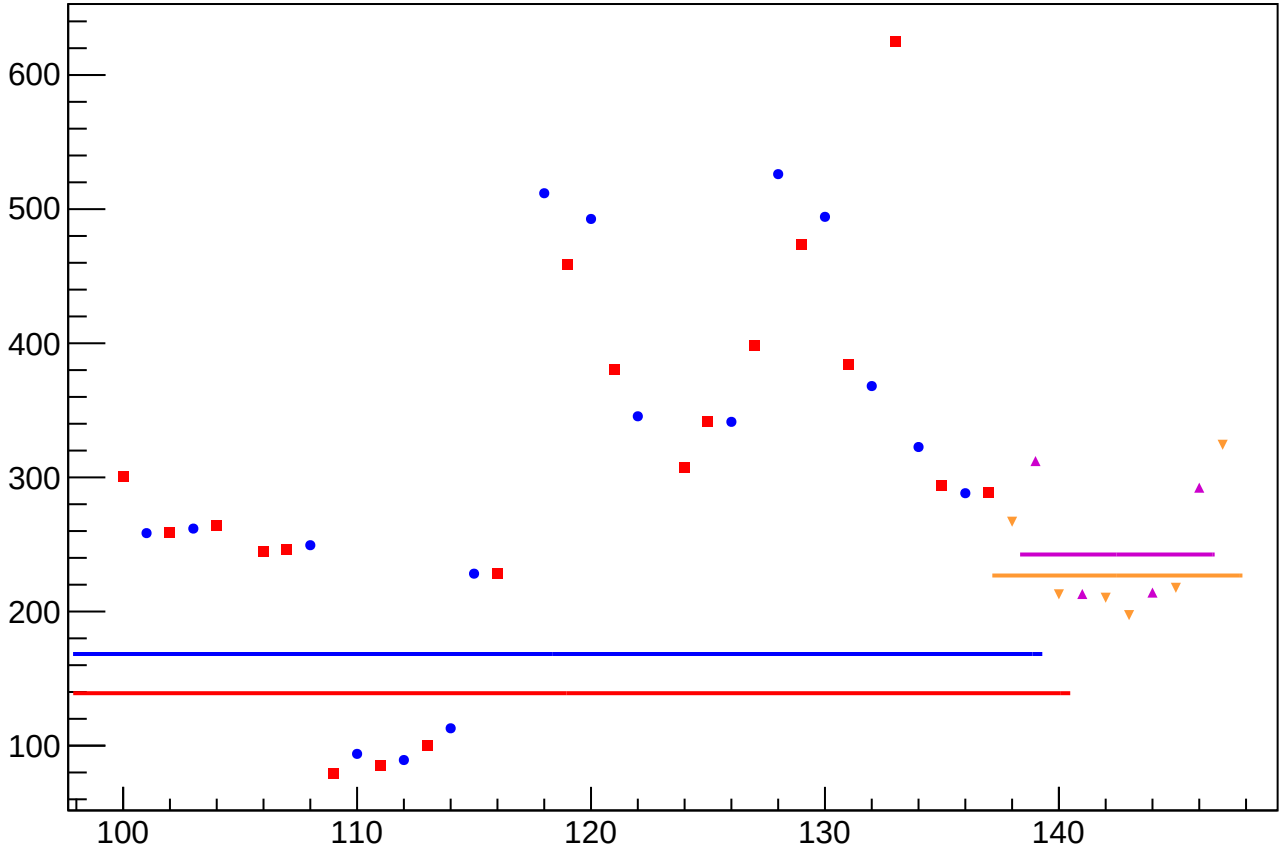
Left In: -50.083+/-131.397 χ^2/NDF:3.8/3

+ sign -144.705+/-62.414 χ^2/NDF: 32.4/21

All: -69.304+/-42.329 χ^2/NDF: 50.6/44

- sign -5.087+/-57.599 χ^2/NDF: 15.5/22

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

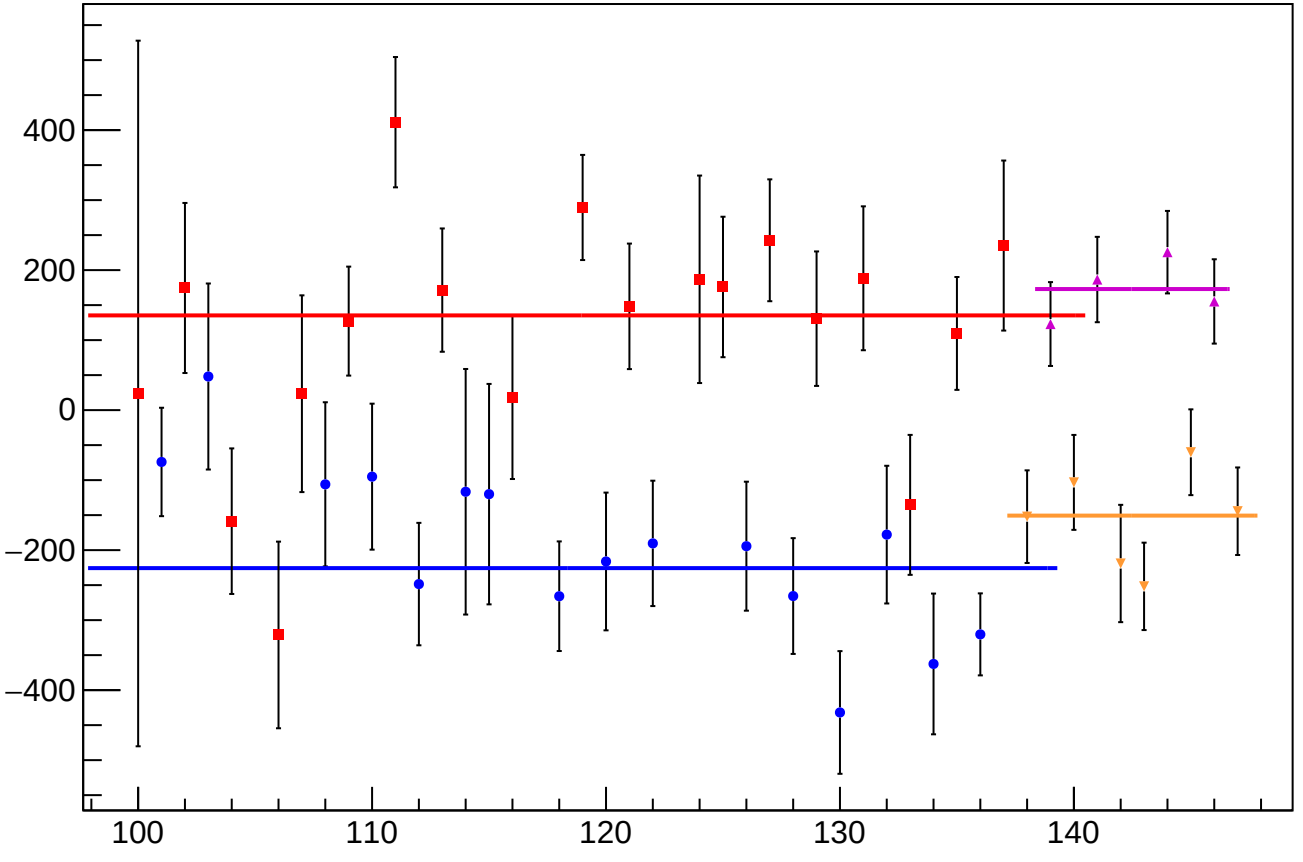
Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

+ sign 187.602+/-0.044 χ^2/NDF: 5167999.7/21

All: 172.142+/-0.030 χ^2/NDF: 11726635.2/44

- sign 158.976+/-0.041 χ^2/NDF: 6331417.2/22

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

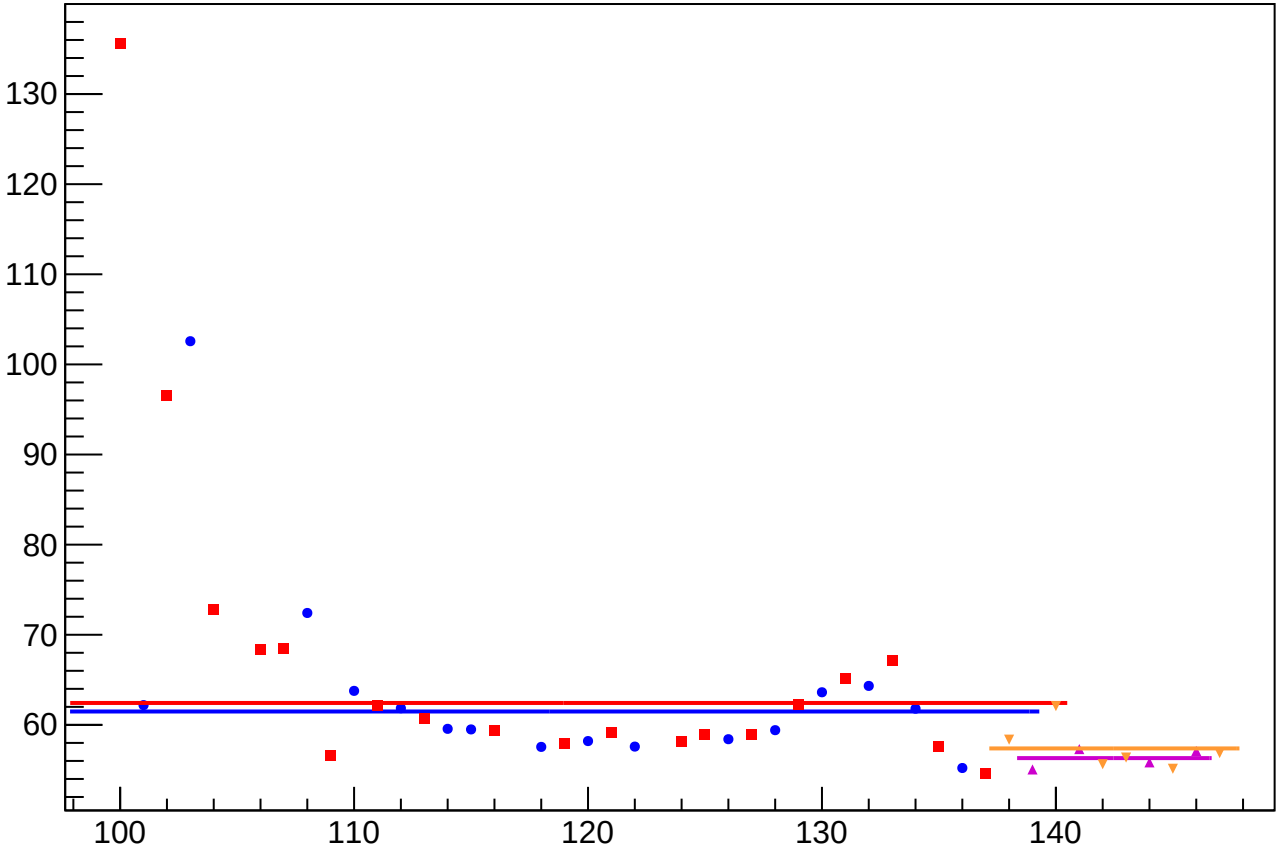
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -194.022+/-17.573 χ^2/NDF: 33.0/21

All: -29.770+/-12.693 χ^2/NDF: 263.2/44

- sign 149.409+/-18.354 χ^2/NDF: 47.5/22

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

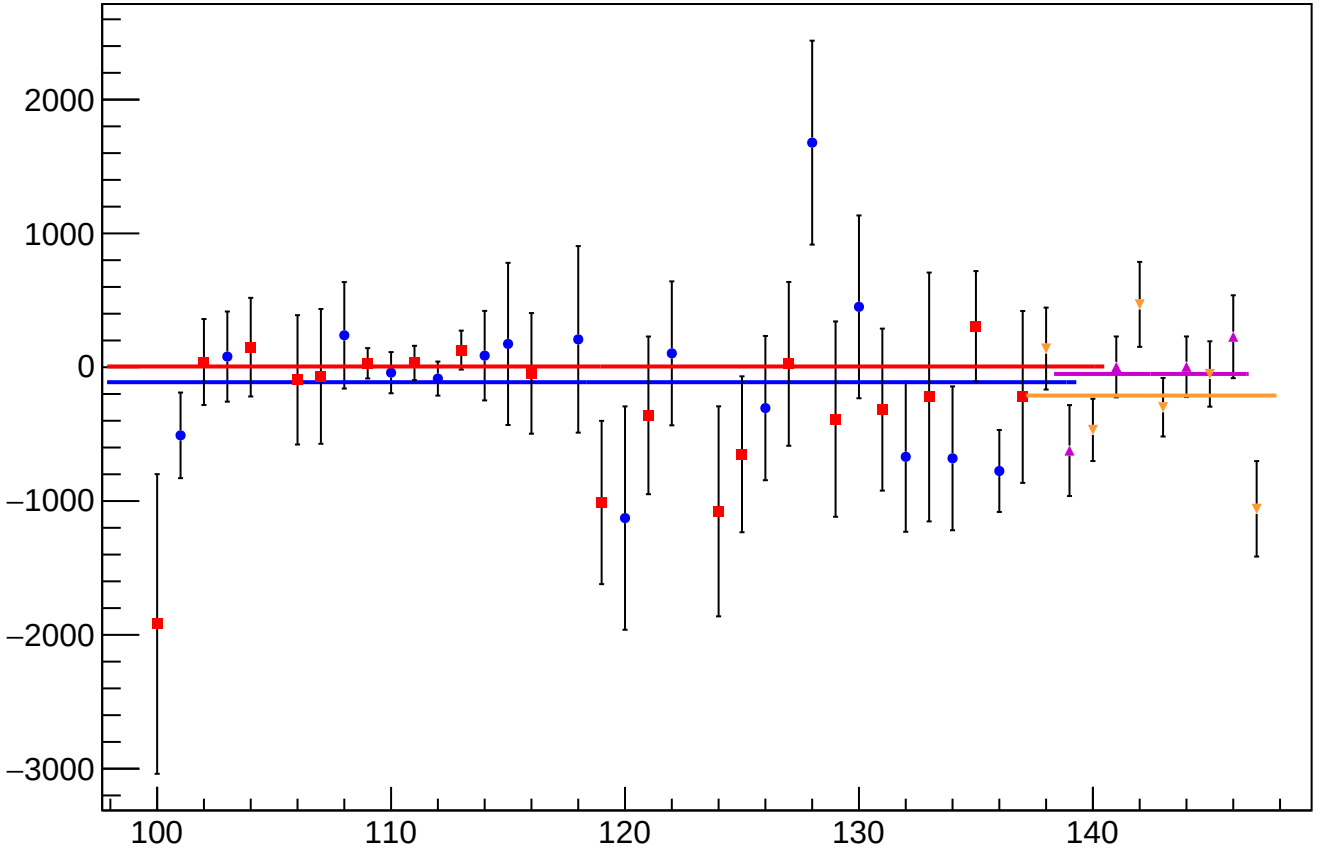
Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

+ sign 59.756+/-0.012 χ^2/NDF: 291483.4/21

All: 59.940+/-0.009 χ^2/NDF: 625312.1/44

- sign 60.142+/-0.013 χ^2/NDF: 333366.8/22

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

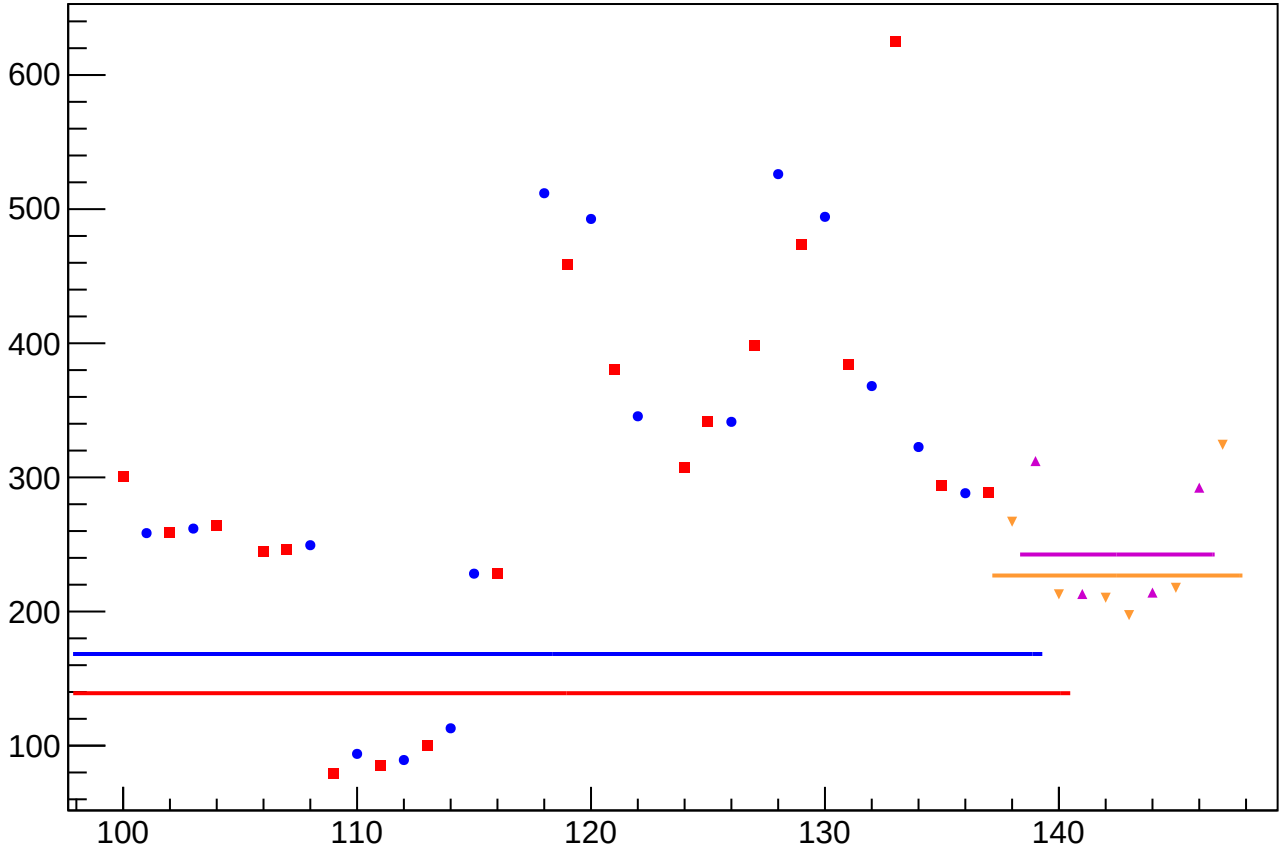
Left In: -50.083+/-131.397 χ^2/NDF:3.8/3

+ sign -144.705+/-62.414 χ^2/NDF: 32.4/21

All: -69.304+/-42.329 χ^2/NDF: 50.6/44

- sign -5.087+/-57.599 χ^2/NDF: 15.5/22

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

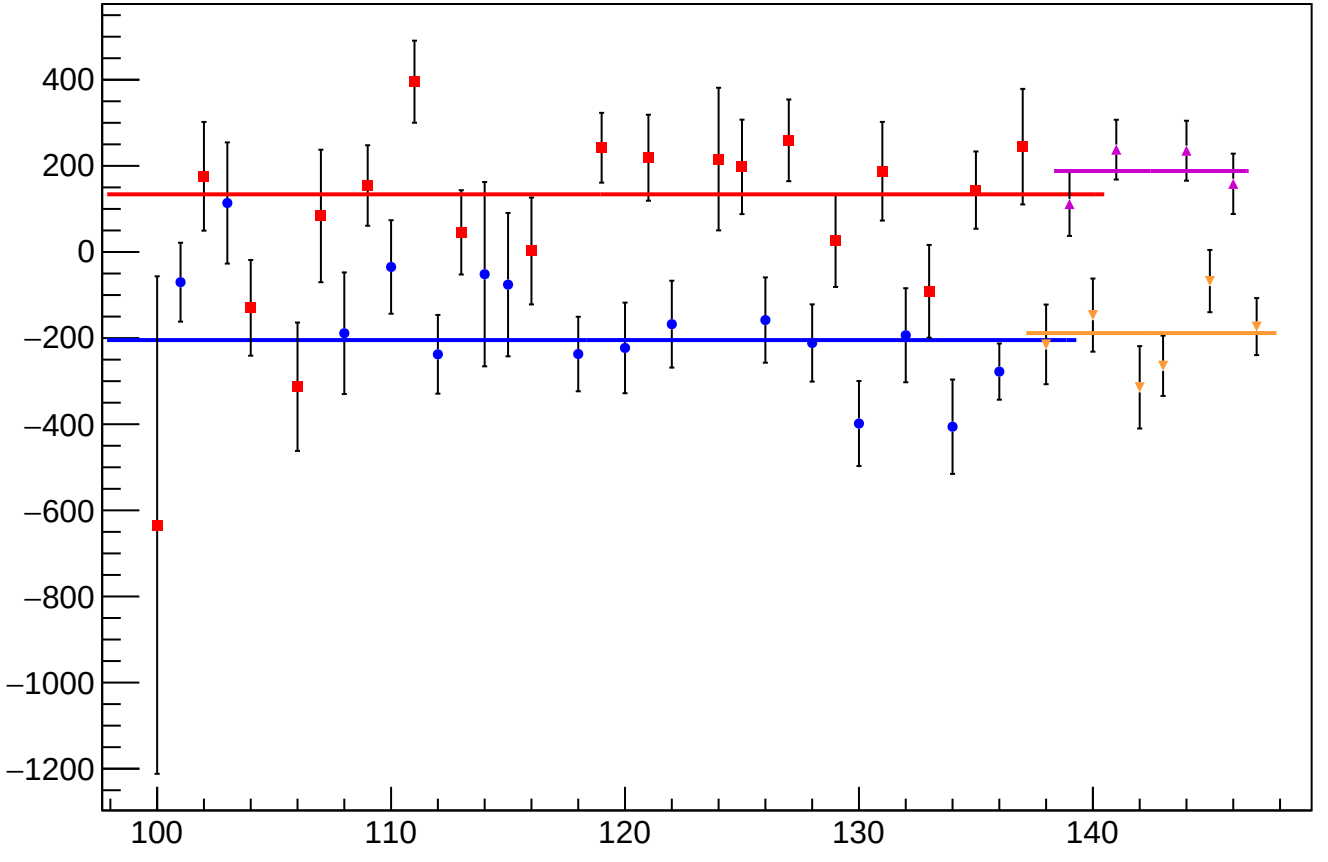
Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

+ sign 187.602+/-0.044 χ^2/NDF: 5167999.7/21

All: 172.142+/-0.030 χ^2/NDF: 11726635.2/44

- sign 158.976+/-0.041 χ^2/NDF: 6331417.2/22

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.299+/-31.820 χ^2/NDF:6.1/5

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

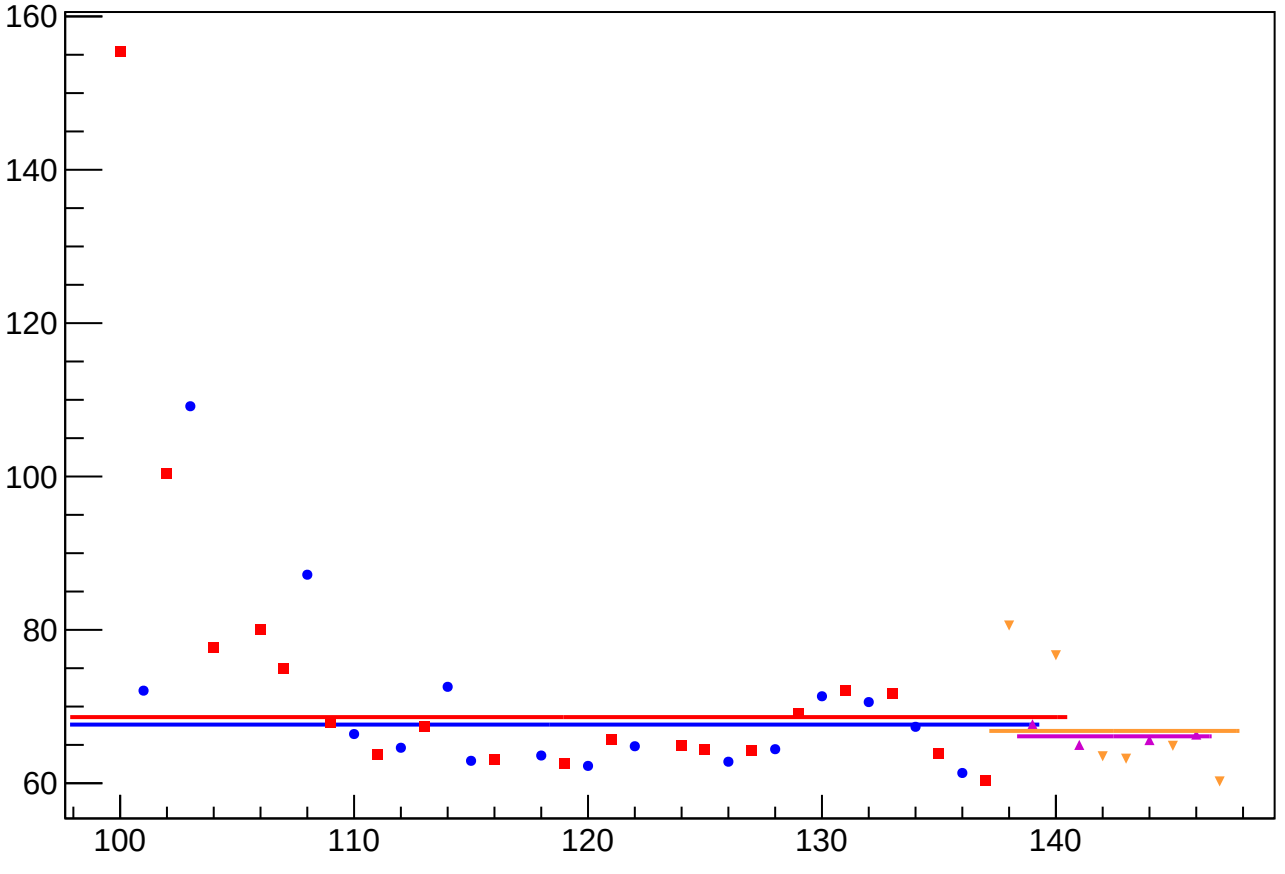
Left In: 188.130+/-35.360 χ^2/NDF:2.2/3

+ sign -198.204+/-19.910 χ^2/NDF: 26.2/21

All: -29.476+/-14.341 χ^2/NDF: 216.5/44

- sign 152.454+/-20.674 χ^2/NDF: 41.0/22

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100103.7/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

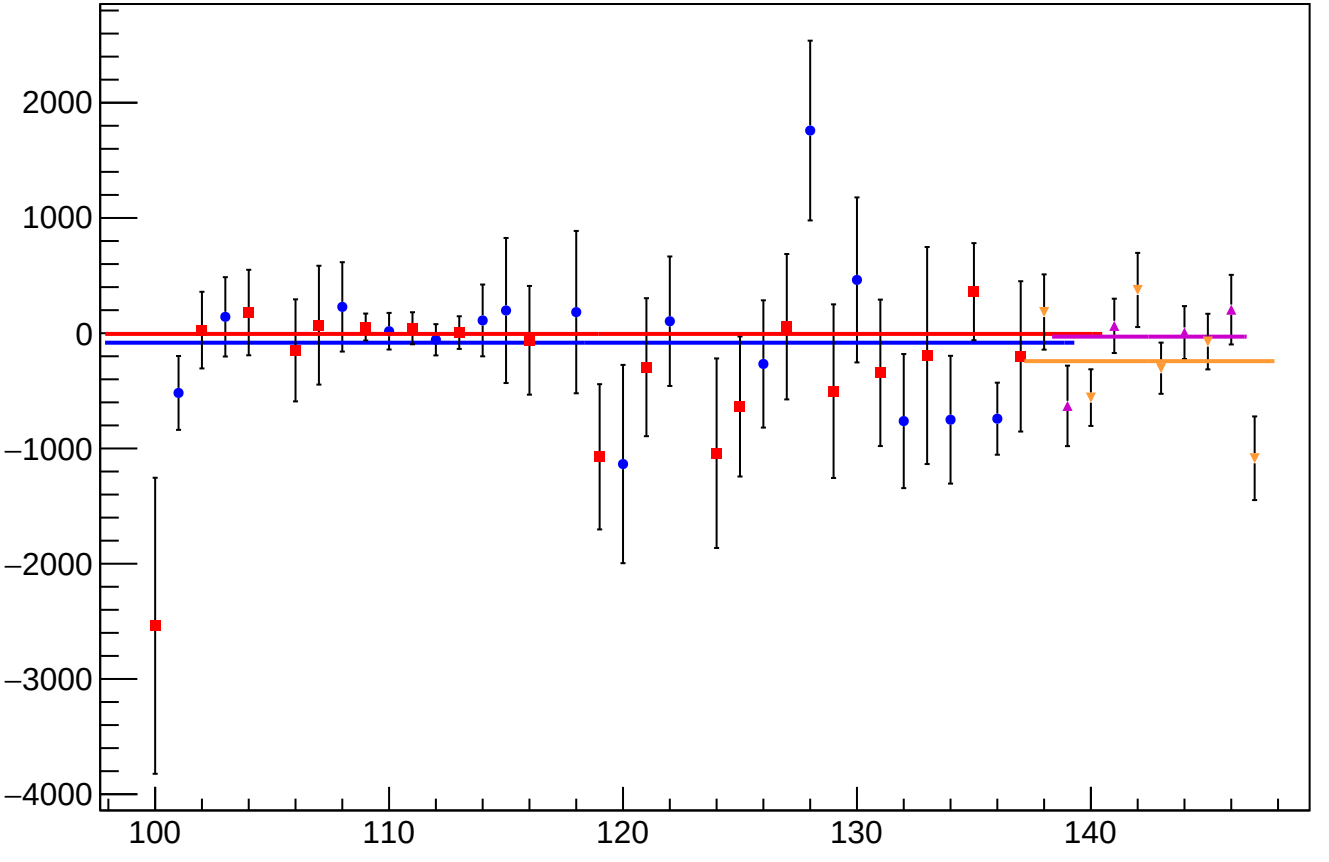
Left In: 66.118+/-0.025 χ^2/NDF:1544.0/3

+ sign 67.325+/-0.014 χ^2/NDF: 364590.0/21

All: 67.538+/-0.010 χ^2/NDF: 621386.4/44

- sign 67.767+/-0.015 χ^2/NDF: 256321.1/22

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -242.284+/-111.350 χ^2/NDF:13.0/5

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

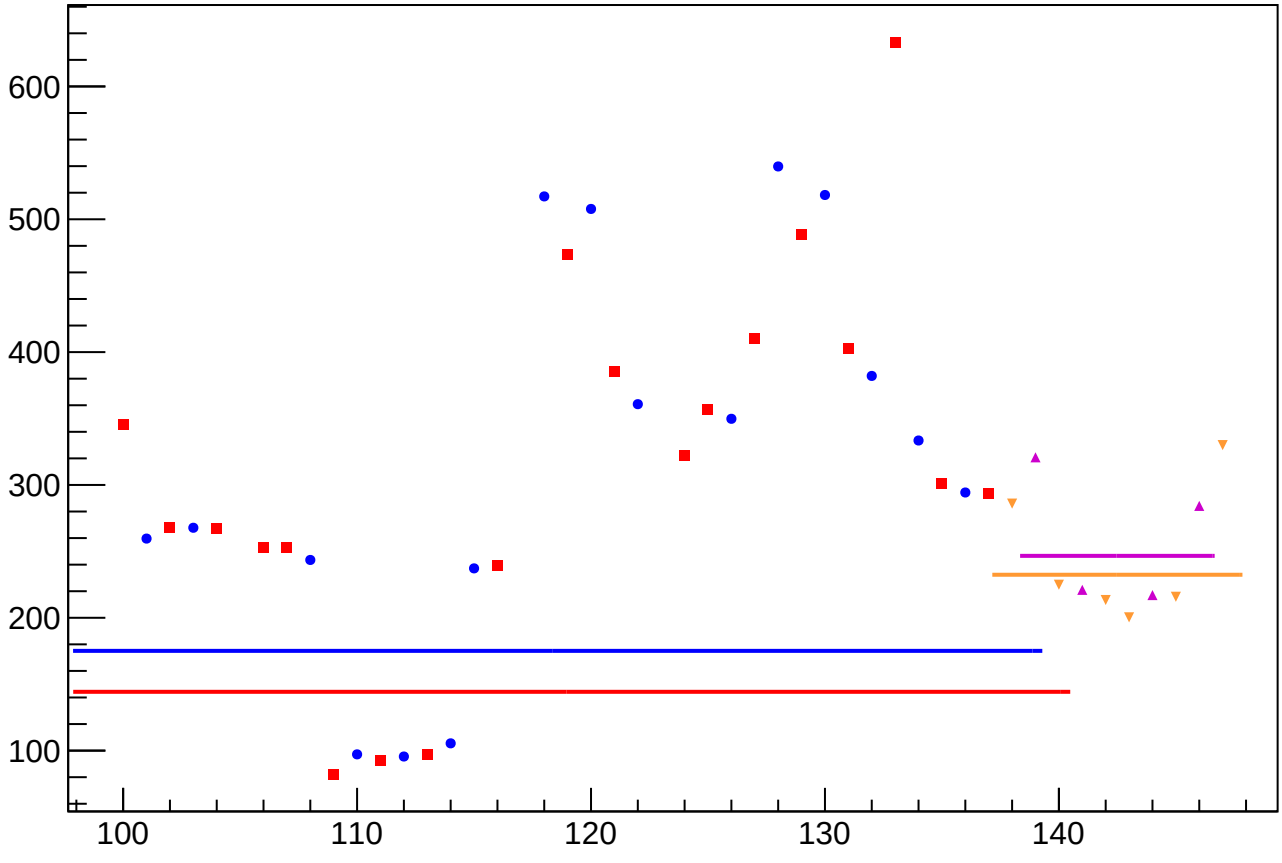
Left In: -29.755+/-133.433 χ^2/NDF:3.7/3

+ sign -135.525+/-64.255 χ^2/NDF: 33.6/21

All: -67.904+/-43.496 χ^2/NDF: 51.5/44

- sign -10.710+/-59.094 χ^2/NDF: 15.8/22

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 232.398+/-0.079 χ^2/NDF:258381.5/5

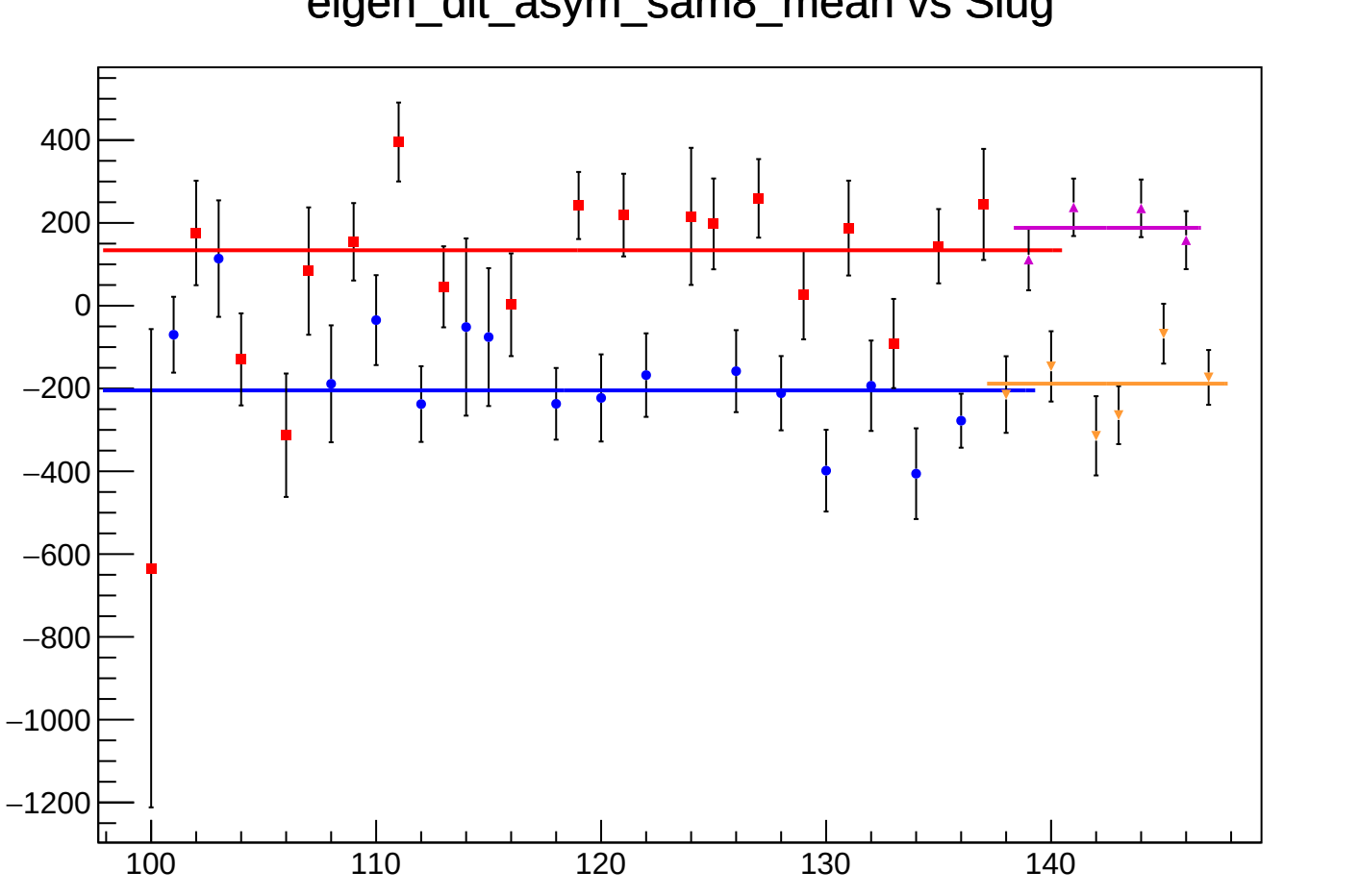
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 246.623+/-0.094 χ^2/NDF:177978.8/3

+ sign 194.179+/-0.045 χ^2/NDF: 5040692.6/21

All: 178.019+/-0.031 χ^2/NDF: 11530481.6/44

- sign 164.350+/-0.042 χ^2/NDF: 6256277.5/22



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.300+/-31.820 χ^2/NDF:6.1/5

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

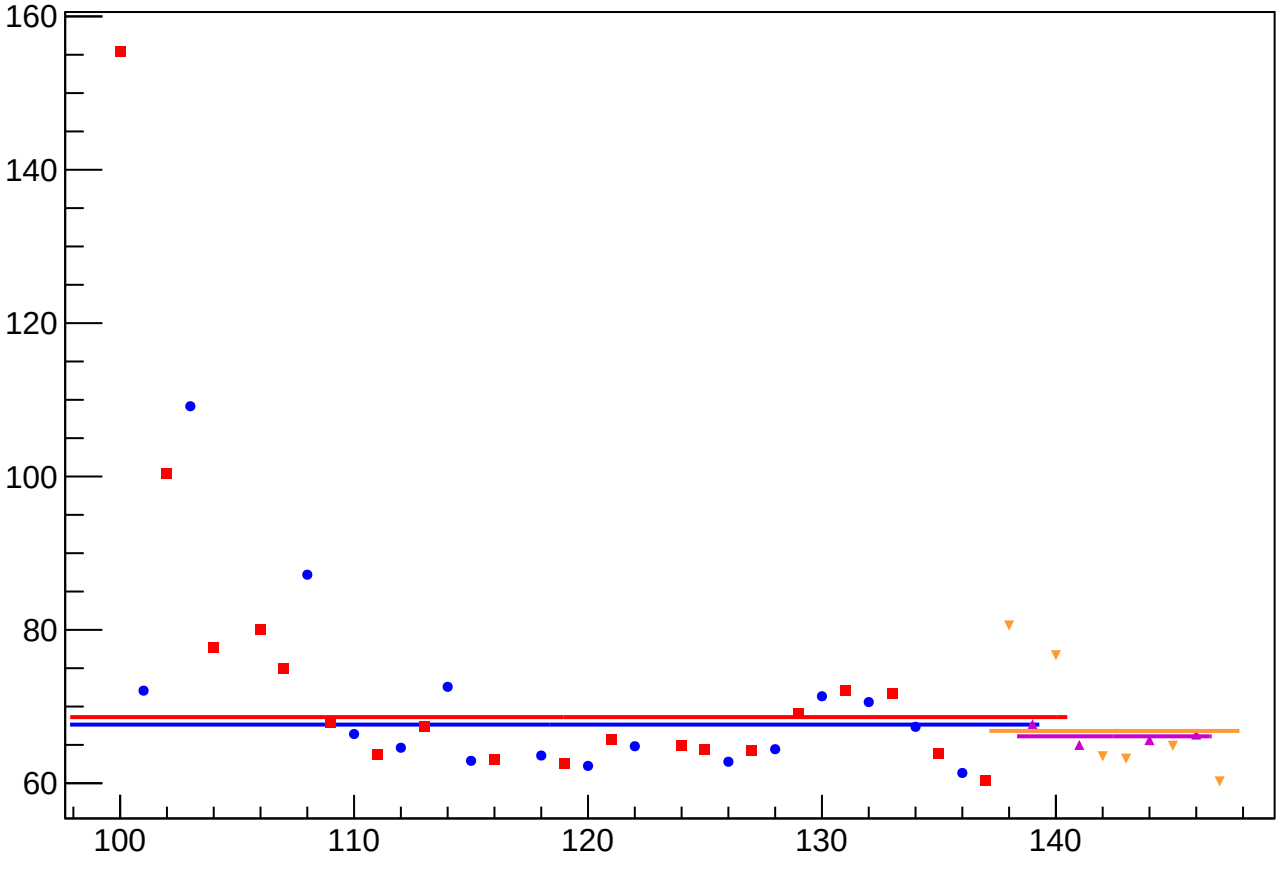
Left In: 188.130+/-35.361 χ^2/NDF:2.2/3

+ sign -198.204+/-19.910 χ^2/NDF: 26.2/21

All: -29.476+/-14.341 χ^2/NDF: 216.5/44

- sign 152.454+/-20.674 χ^2/NDF: 41.0/22

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100101.8/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

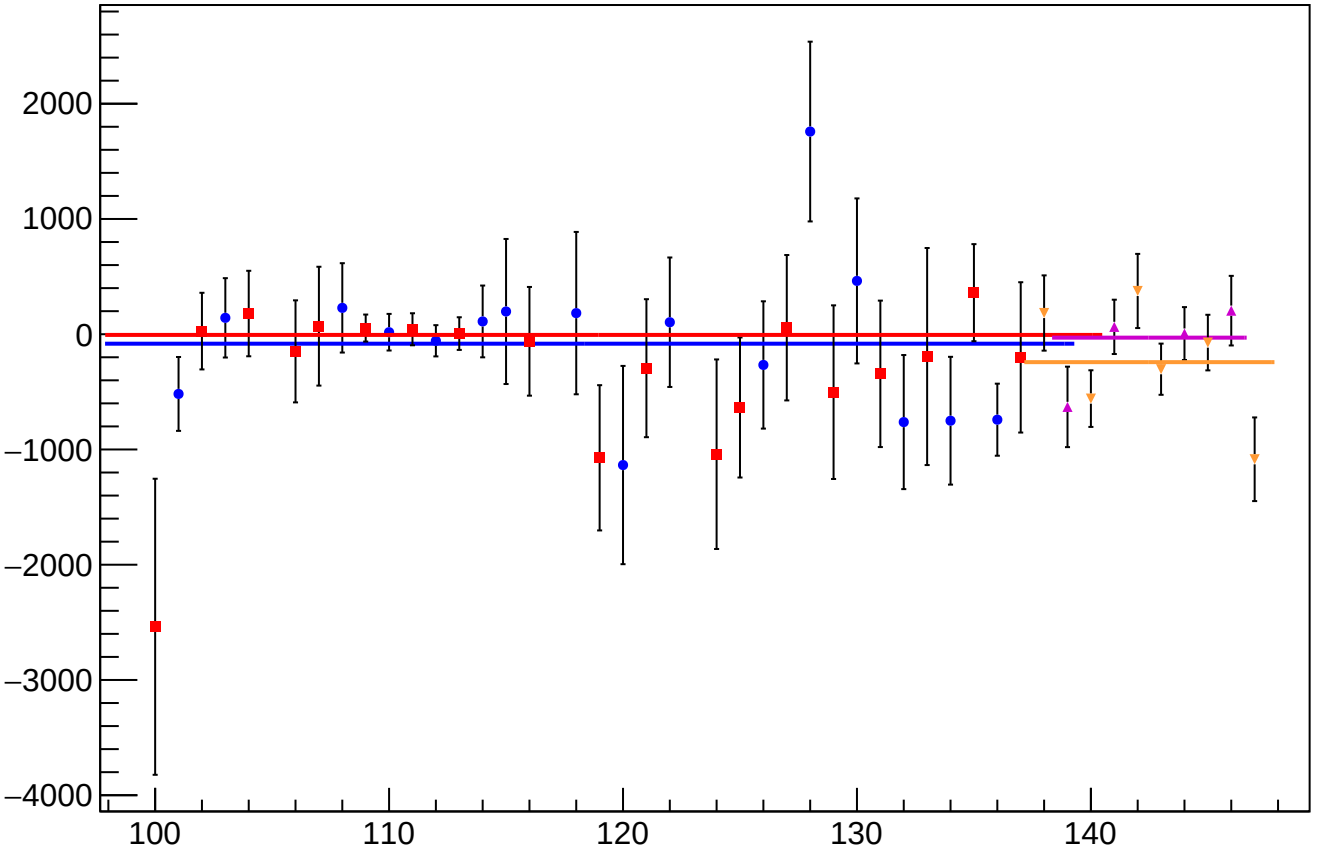
Left In: 66.118+/-0.025 χ^2/NDF:1543.8/3

+ sign 67.325+/-0.014 χ^2/NDF: 364586.6/21

All: 67.538+/-0.010 χ^2/NDF: 621382.5/44

- sign 67.767+/-0.015 χ^2/NDF: 256320.7/22

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -242.285+/-111.350 χ^2/NDF:13.0/5

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

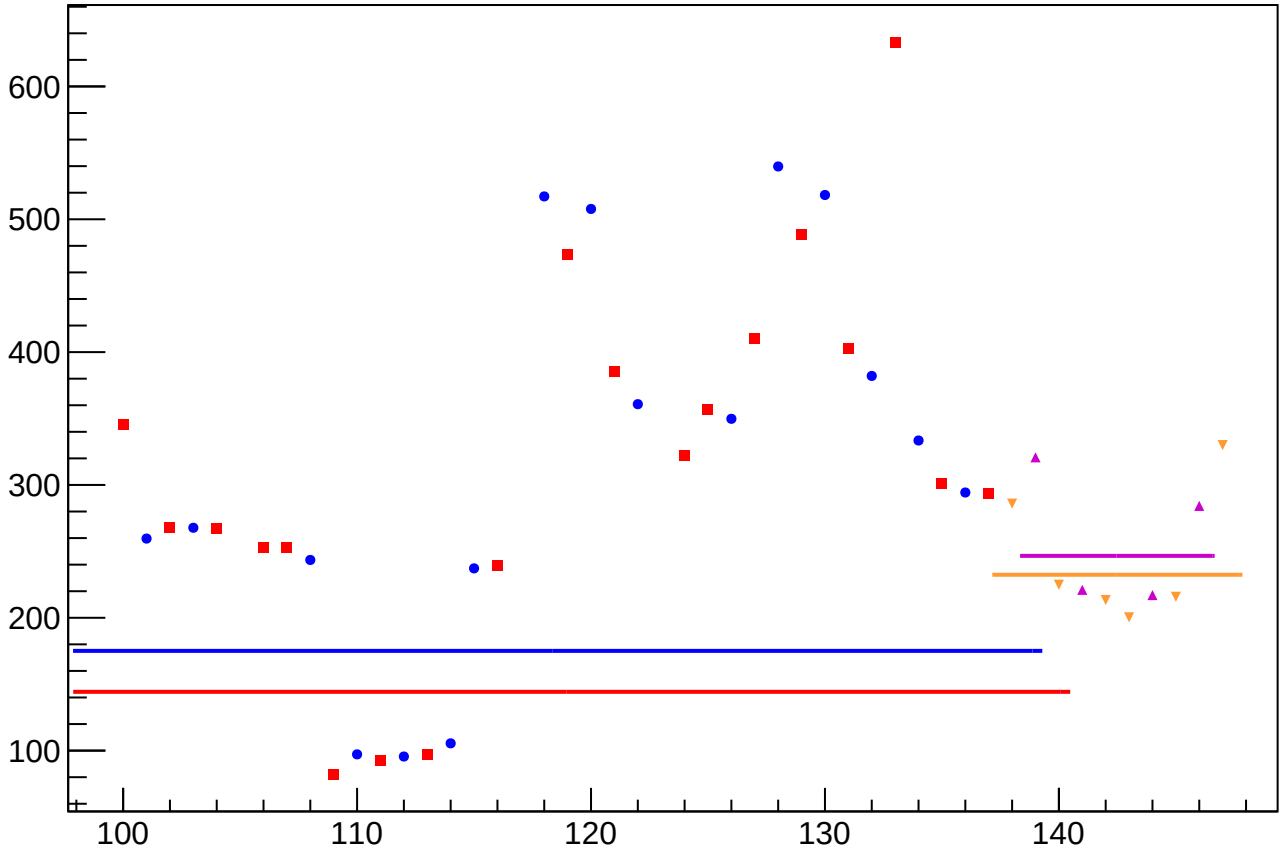
Left In: -29.755+/-133.433 χ^2/NDF:3.7/3

+ sign -135.524+/-64.255 χ^2/NDF: 33.6/21

All: -67.903+/-43.496 χ^2/NDF: 51.5/44

- sign -10.709+/-59.094 χ^2/NDF: 15.8/22

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 232.397+/-0.079 χ^2/NDF:258382.2/5

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

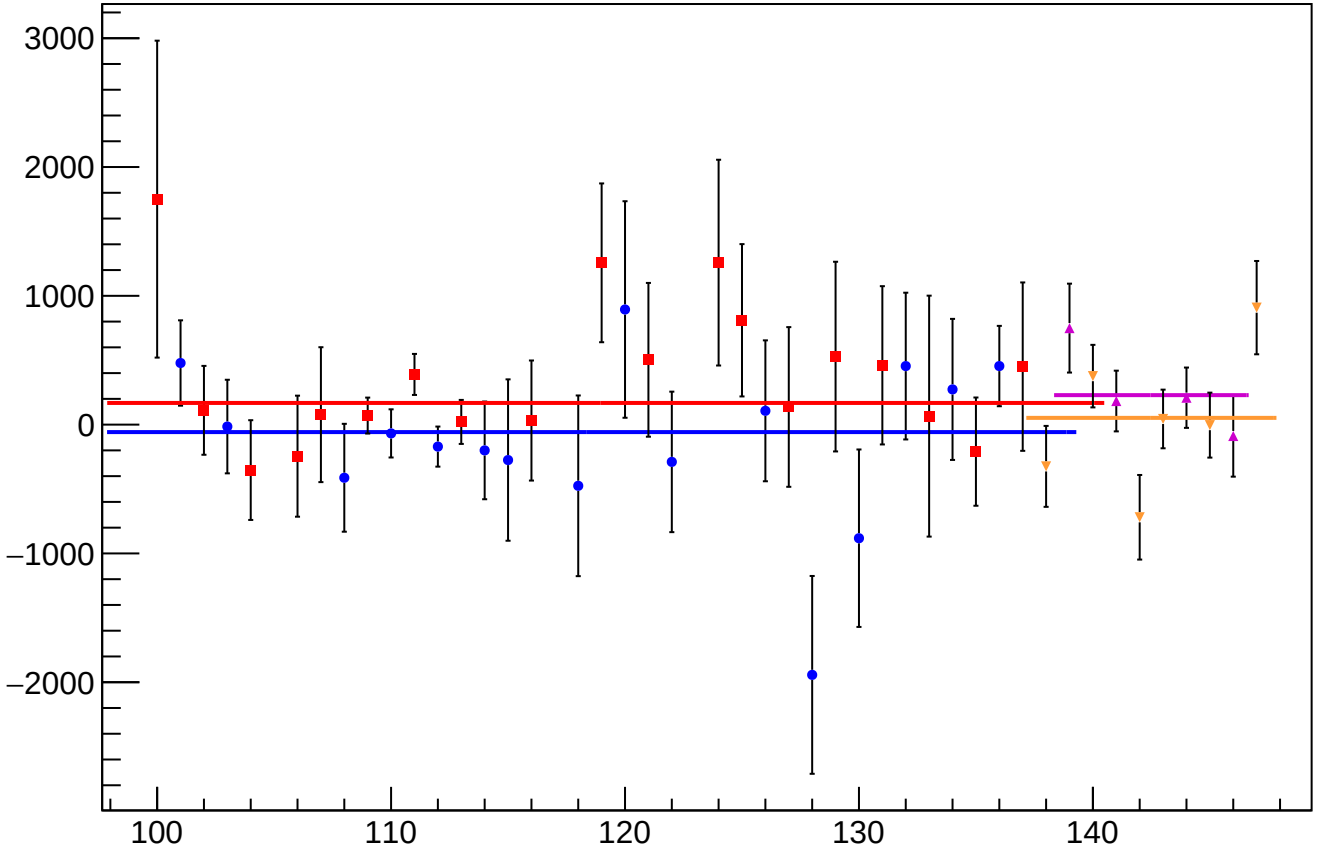
Left In: 246.622+/-0.094 χ^2/NDF:177976.7/3

+ sign 194.178+/-0.045 χ^2/NDF: 5040722.0/21

All: 178.018+/-0.031 χ^2/NDF: 11530471.1/44

- sign 164.350+/-0.042 χ^2/NDF: 6256250.3/22

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 52.465+/-112.505 χ^2/NDF:14.4/5

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

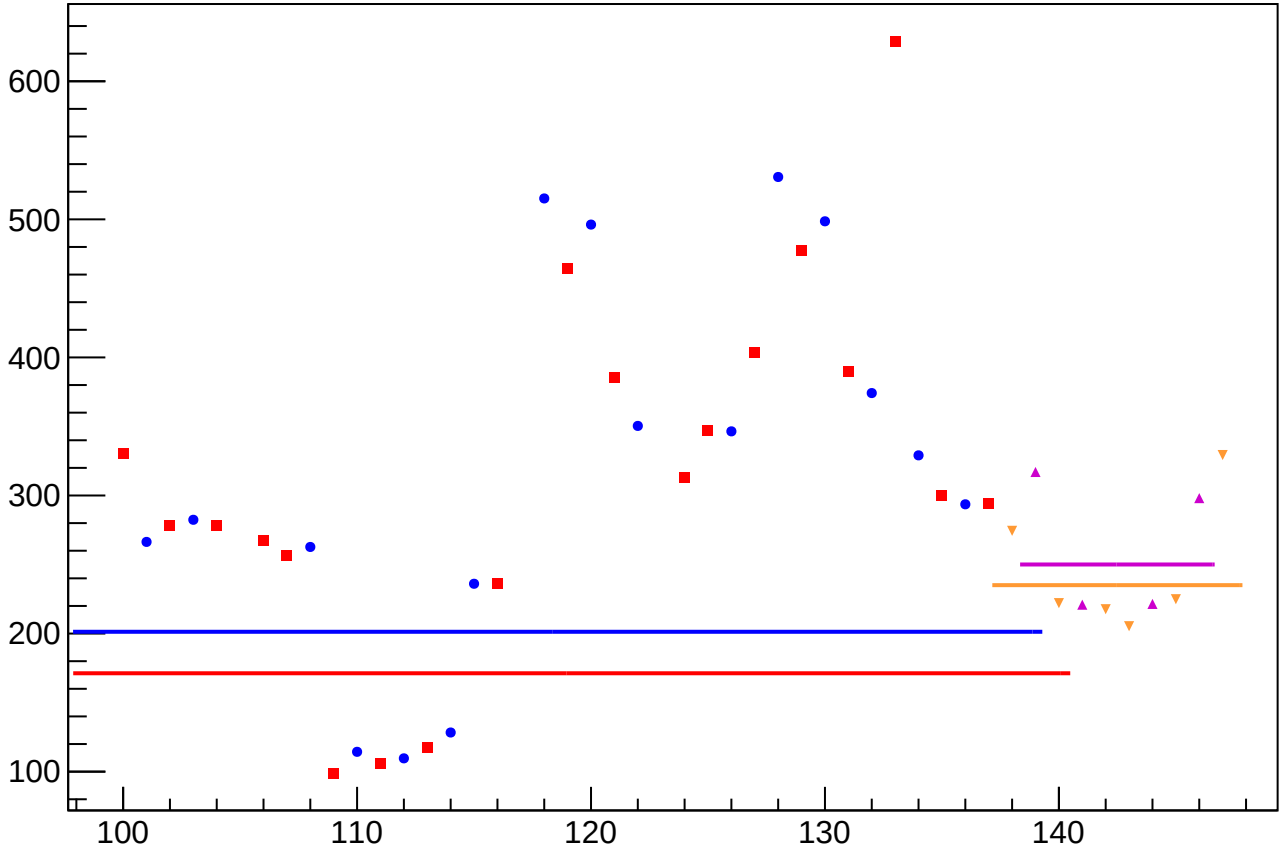
Left In: 228.930+/-135.248 χ^2/NDF:3.3/3

+ sign -16.709+/-68.769 χ^2/NDF: 32.4/21

All: 87.993+/-47.361 χ^2/NDF: 55.7/44

- sign 182.459+/-65.321 χ^2/NDF: 19.0/22

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 235.066+/-0.080 χ^2/NDF:215492.1/5

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

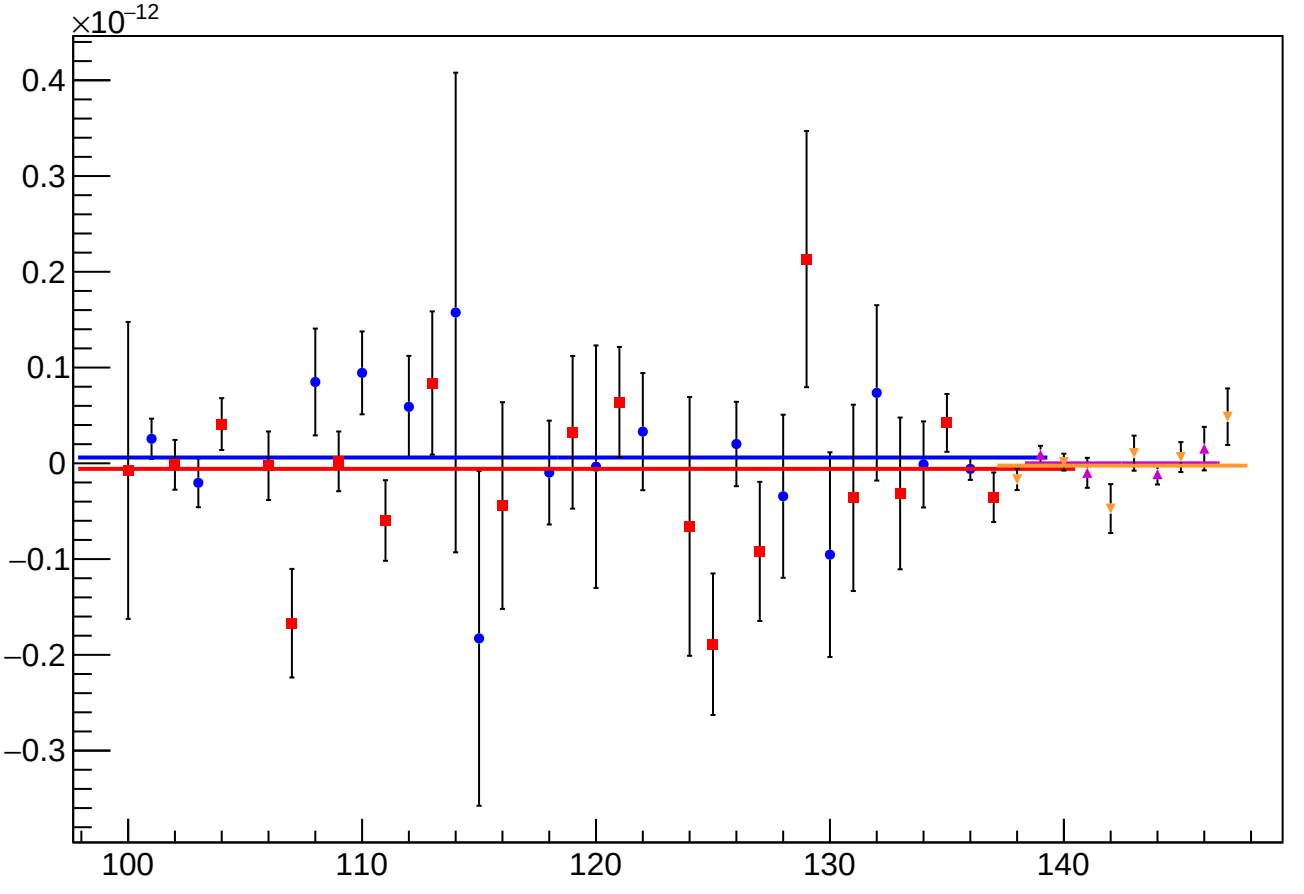
Left In: 250.033+/-0.096 χ^2/NDF:181965.3/3

+ sign 213.917+/-0.049 χ^2/NDF: 3900529.9/21

All: 201.148+/-0.033 χ^2/NDF: 8926523.6/44

- sign 189.628+/-0.046 χ^2/NDF: 4894837.0/22

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:8.7/5

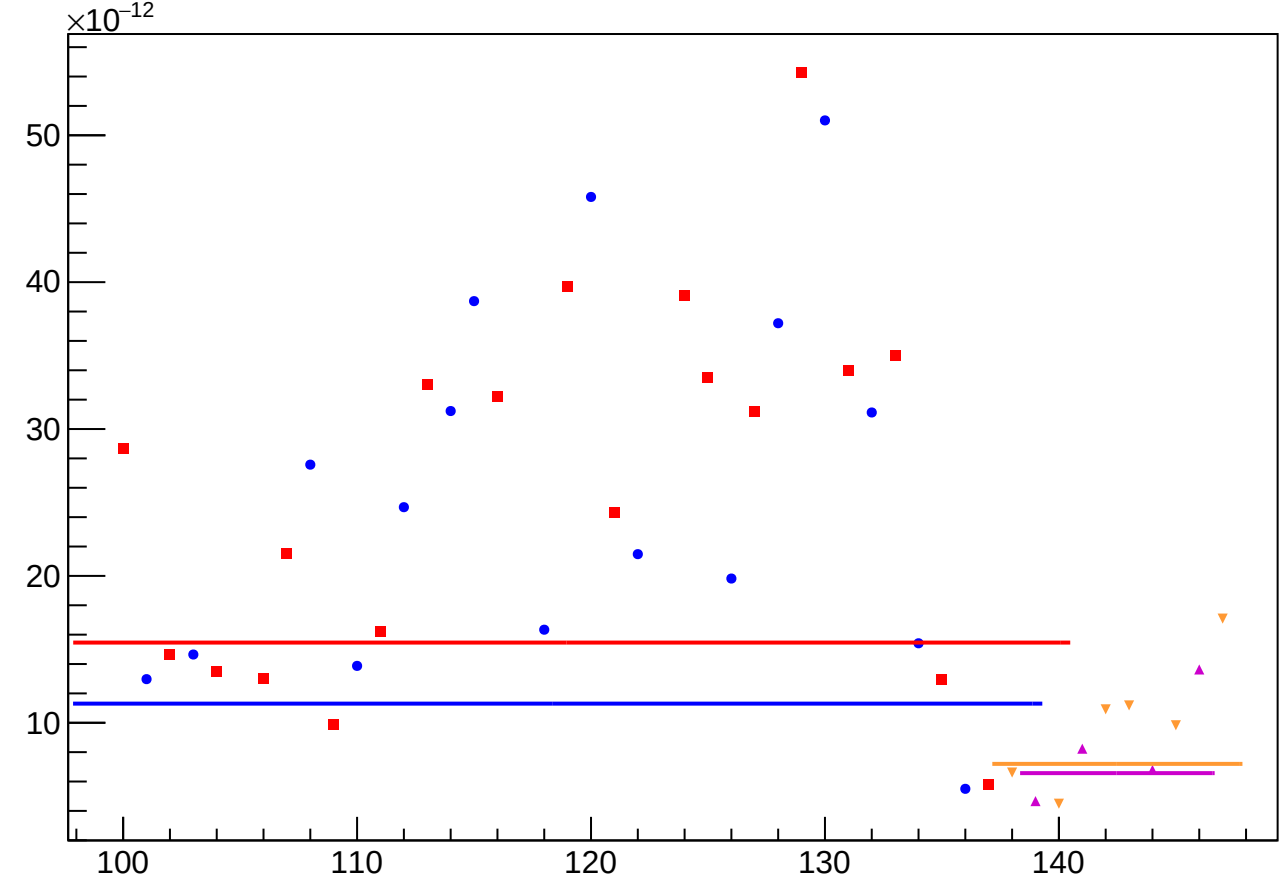
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/21

All: -0.000+/-0.000 χ^2/NDF: 56.9/44

- sign -0.000+/-0.000 χ^2/NDF: 33.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:612994.3/5

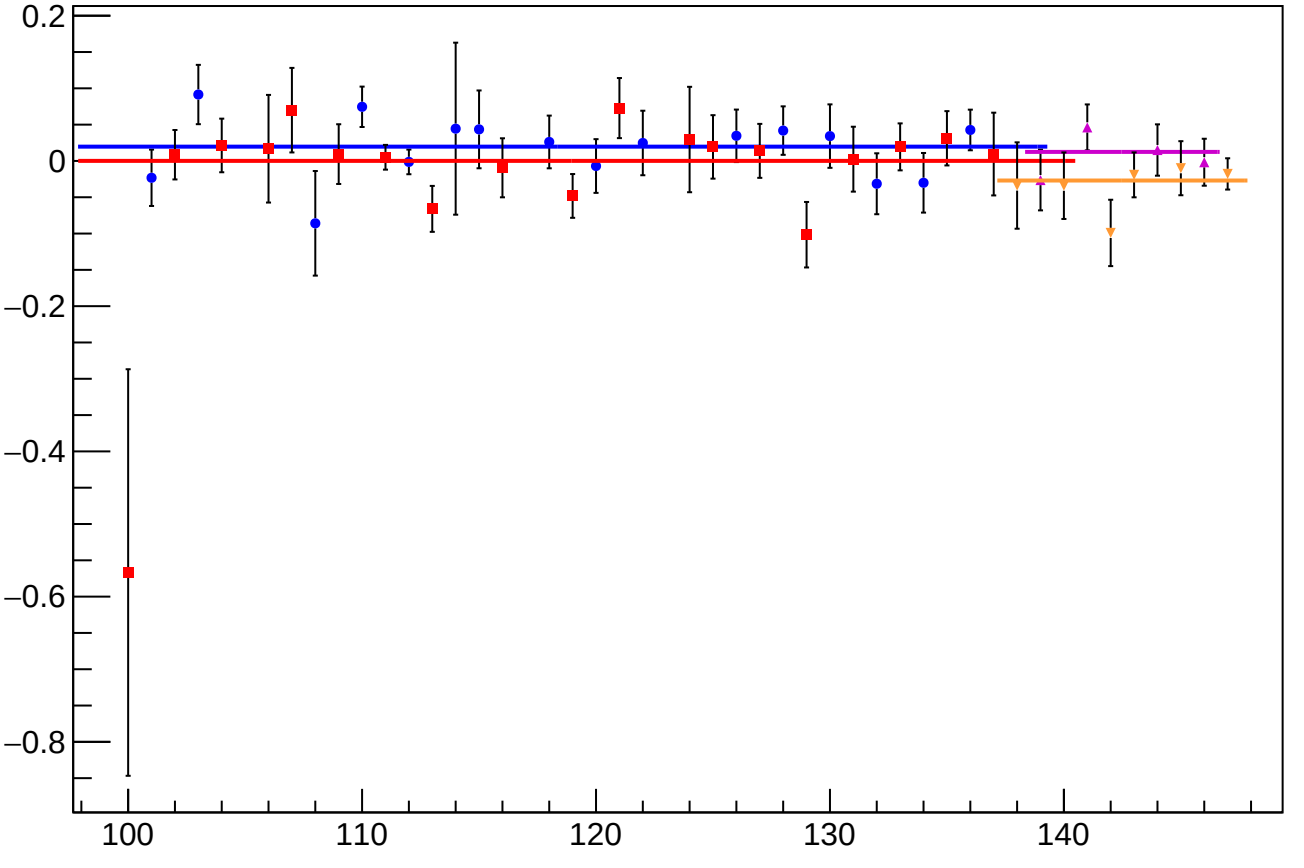
Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:301365.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2735054.1/21

All: 0.000+/-0.000 χ^2/NDF: 5599133.3/44

- sign 0.000+/-0.000 χ^2/NDF: 2856961.7/22



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

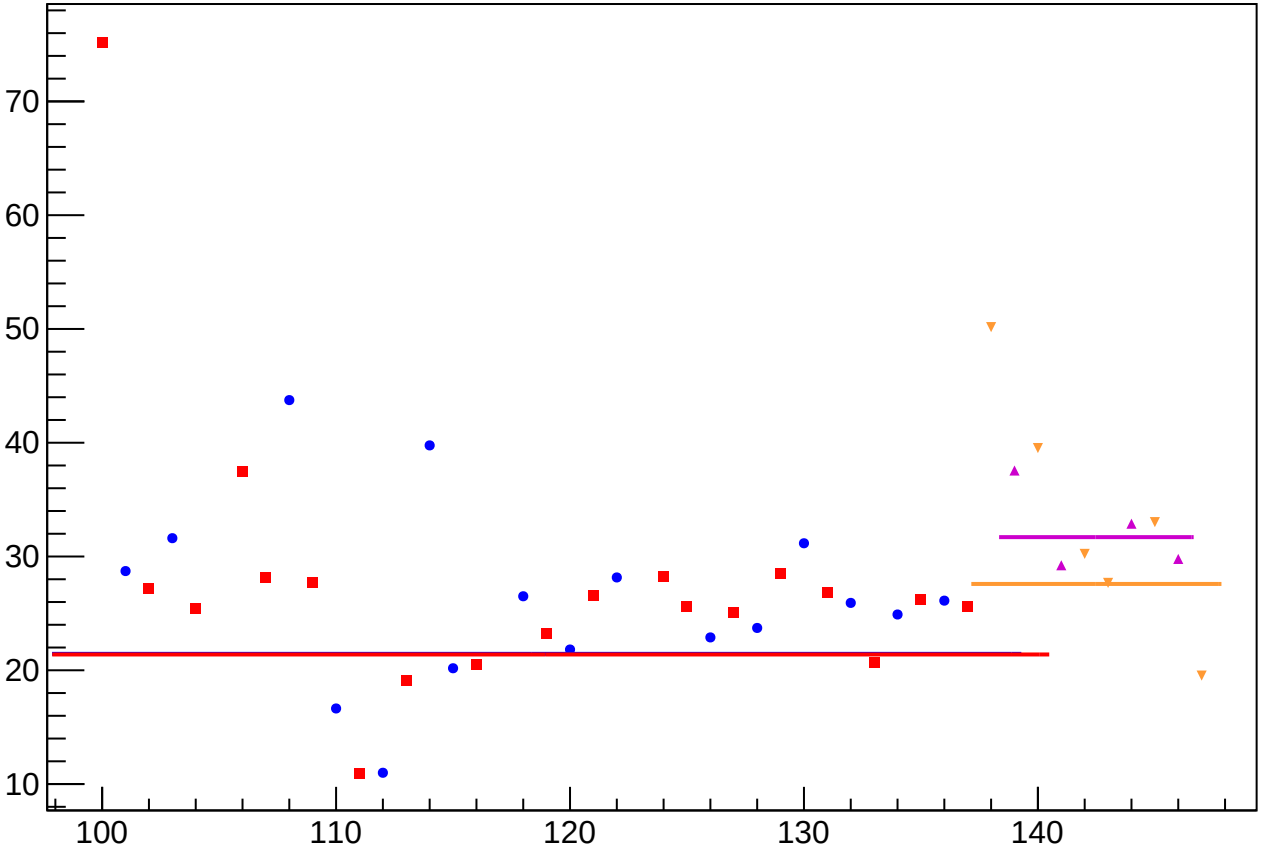
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.005+/-0.005 χ^2/NDF: 53.7/44

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 27.588+/-0.010 χ^2/NDF:752851.0/5

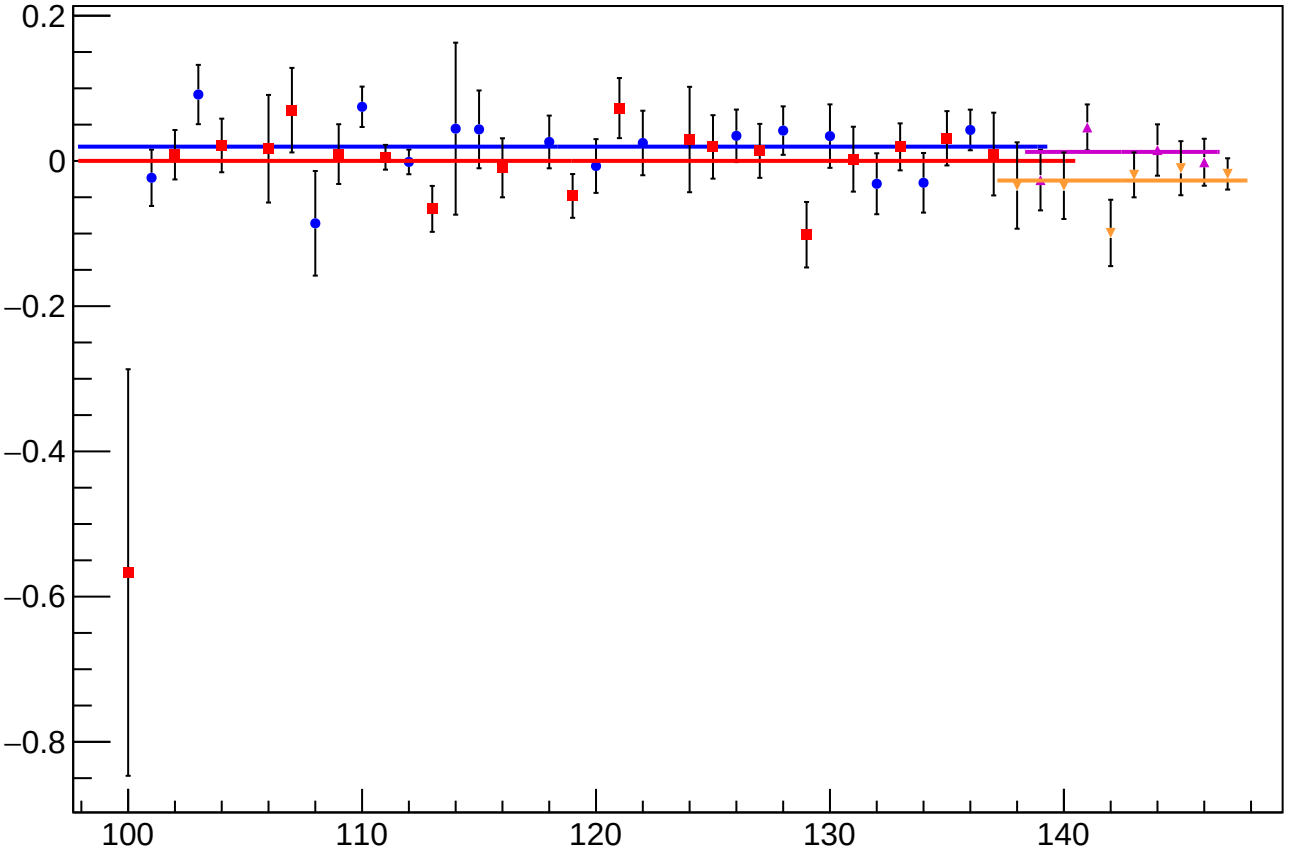
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

+ sign 23.165+/-0.005 χ^2/NDF: 2574056.9/21

All: 23.275+/-0.004 χ^2/NDF: 4518480.3/44

- sign 23.392+/-0.005 χ^2/NDF: 1943511.9/22



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

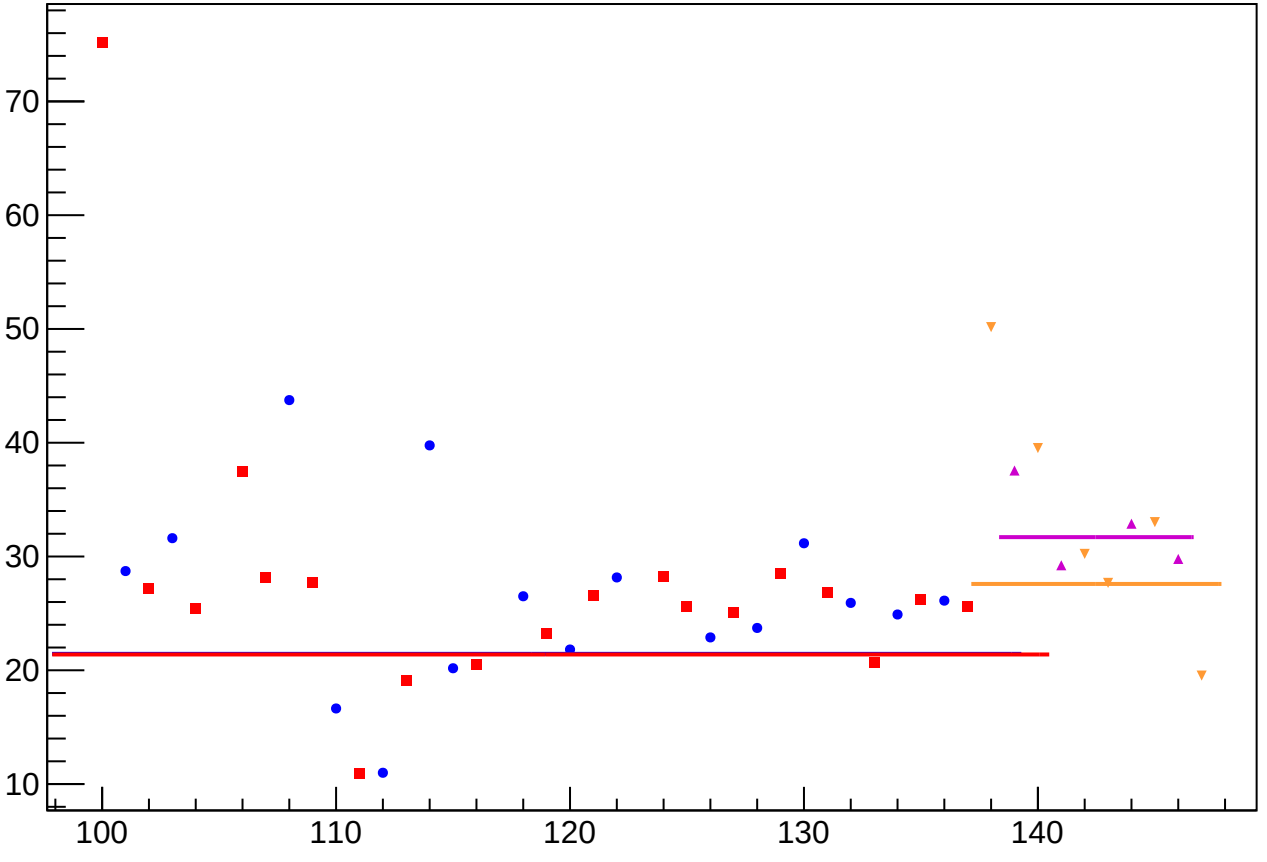
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.005+/-0.005 χ^2/NDF: 53.7/44

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 27.588+/-0.010 χ^2/NDF:752851.0/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

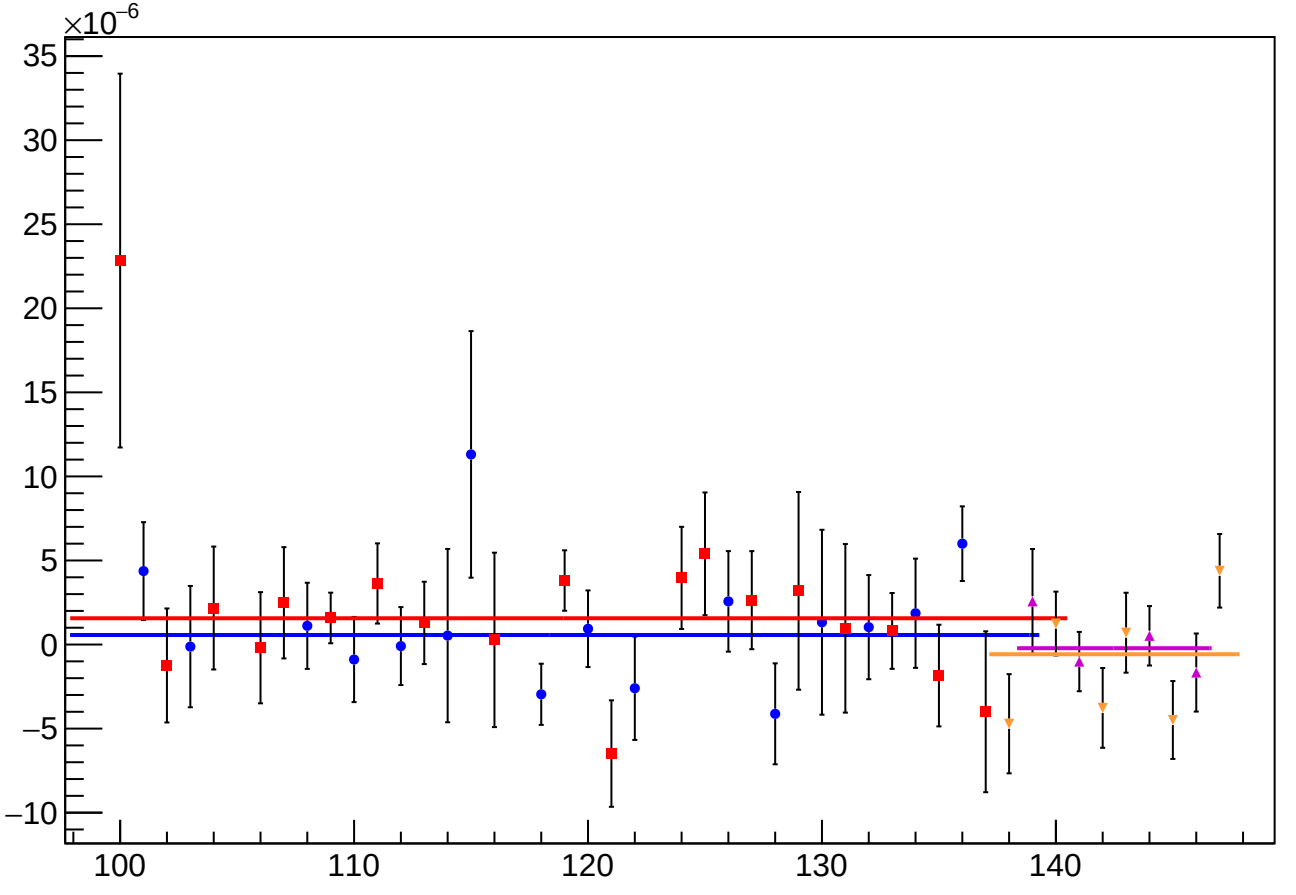
Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

\+ sign 23.165+/-0.005 χ^2/NDF: 2574056.9/21

All: 23.275+/-0.004 χ^2/NDF: 4518480.3/44

\- sign 23.392+/-0.005 χ^2/NDF: 1943511.9/22

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:13.0/5

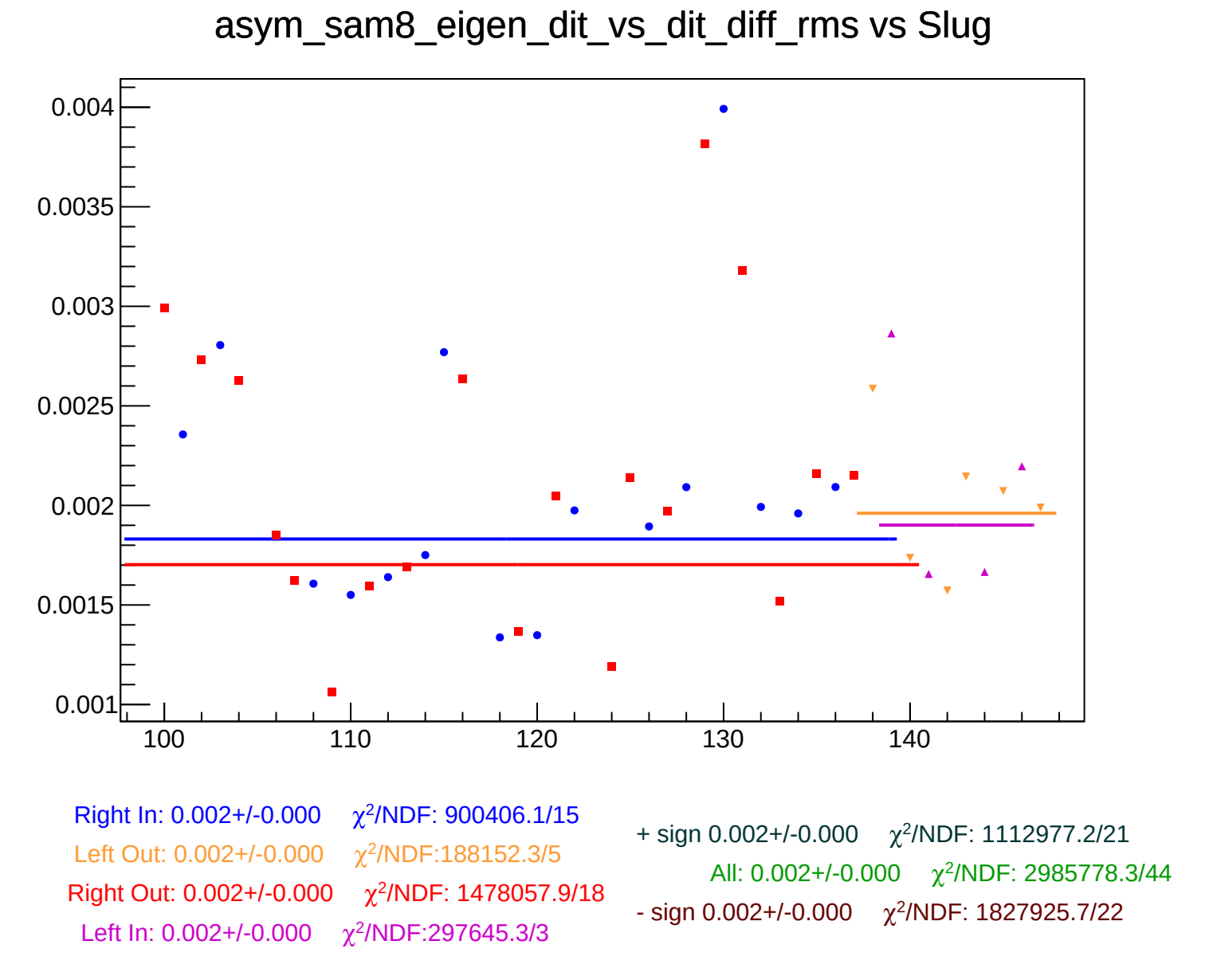
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

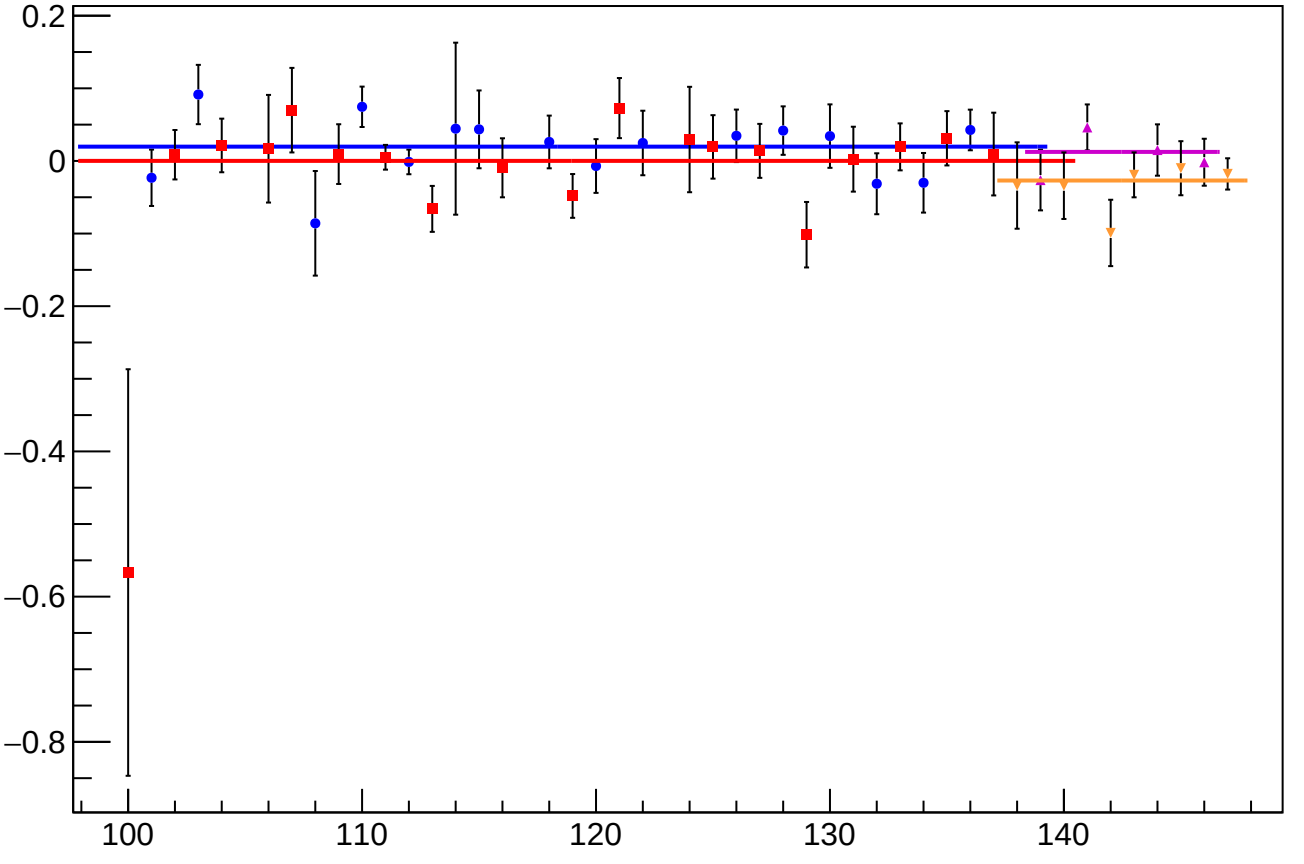
Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/21

All: 0.000+/-0.000 χ^2/NDF: 55.4/44

- sign 0.000+/-0.000 χ^2/NDF: 21.9/22


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:188152.3/5
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:297645.3/3
+ sign 0.002+/-0.000 χ²/NDF: 1112977.2/21
All: 0.002+/-0.000 χ²/NDF: 2985778.3/44
- sign 0.002+/-0.000 χ²/NDF: 1827925.7/22



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

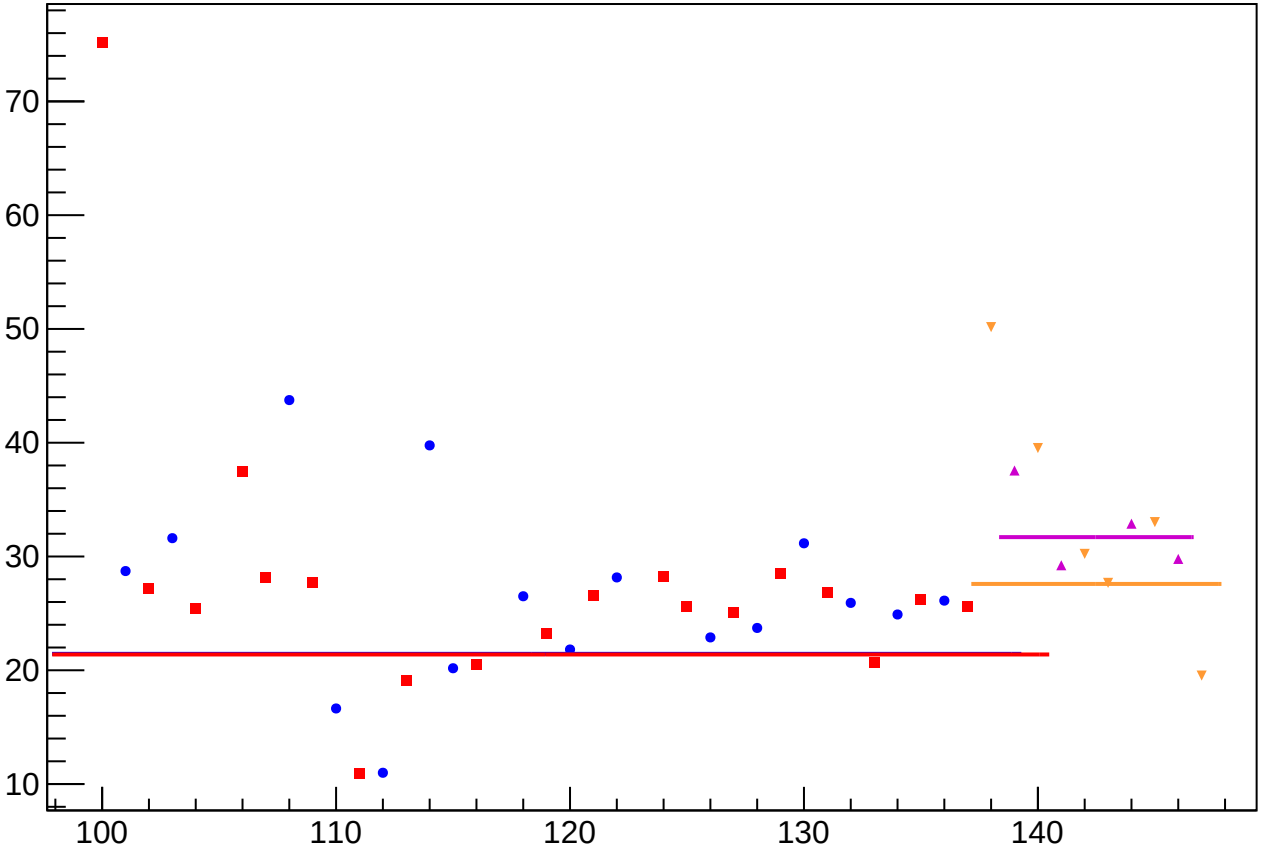
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.005+/-0.005 χ^2/NDF: 53.7/44

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 27.589+/-0.010 χ^2/NDF:752844.8/5

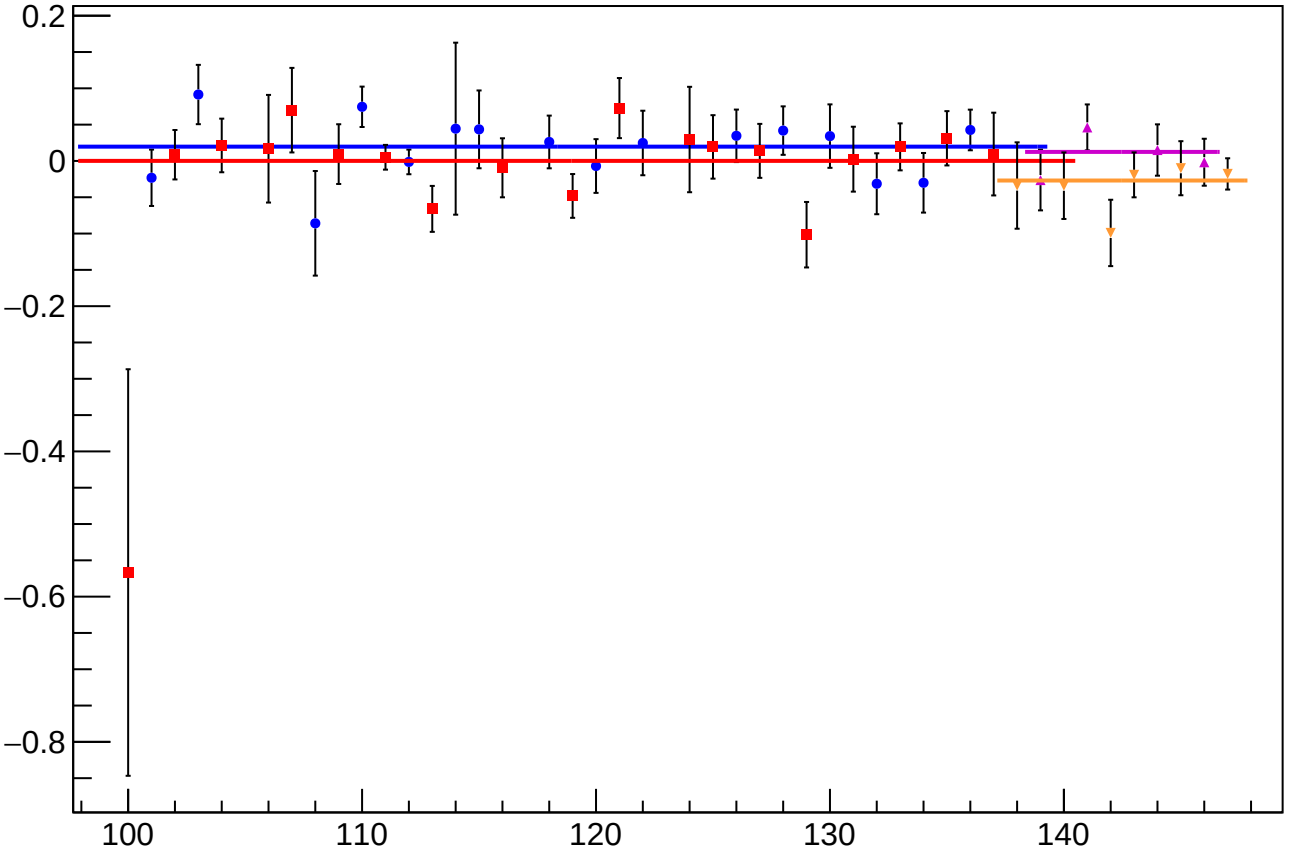
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

+ sign 23.165+/-0.005 χ^2/NDF: 2574283.0/21

All: 23.274+/-0.004 χ^2/NDF: 4518923.3/44

- sign 23.391+/-0.005 χ^2/NDF: 1943729.4/22



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

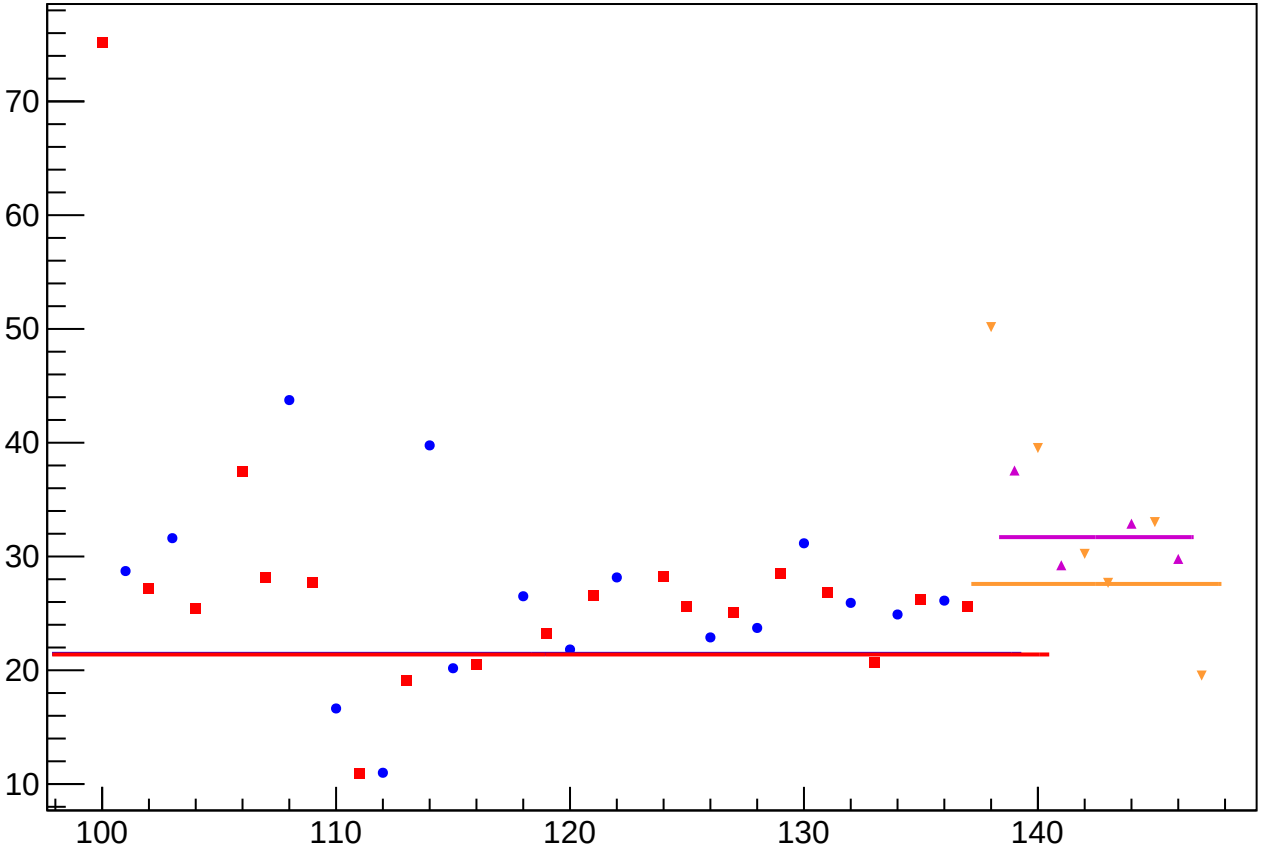
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.005+/-0.005 χ^2/NDF: 53.7/44

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 27.589+/-0.010 χ^2/NDF:752844.8/5

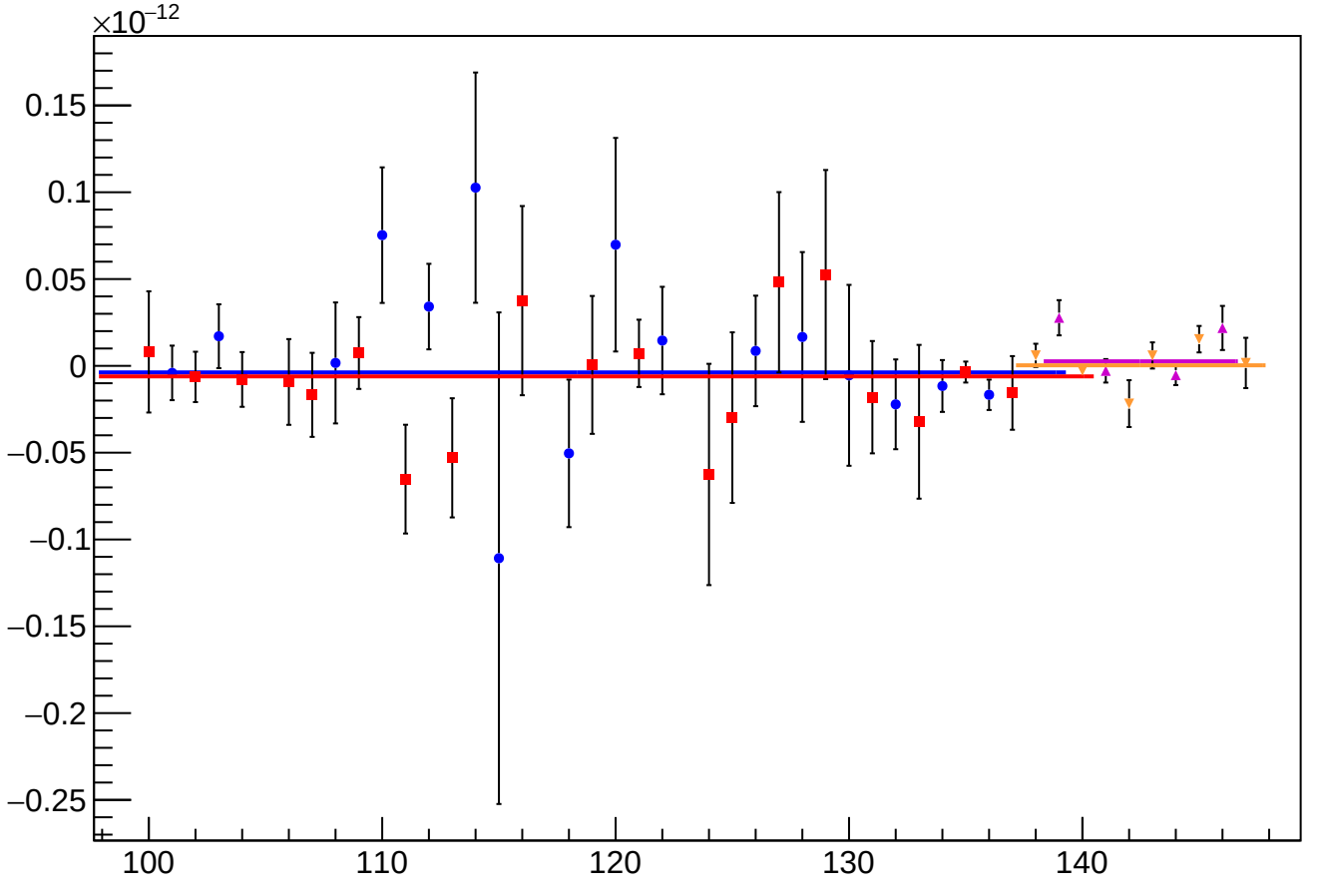
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

+ sign 23.165+/-0.005 χ^2/NDF: 2574283.0/21

All: 23.274+/-0.004 χ^2/NDF: 4518923.3/44

- sign 23.391+/-0.005 χ^2/NDF: 1943729.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/5

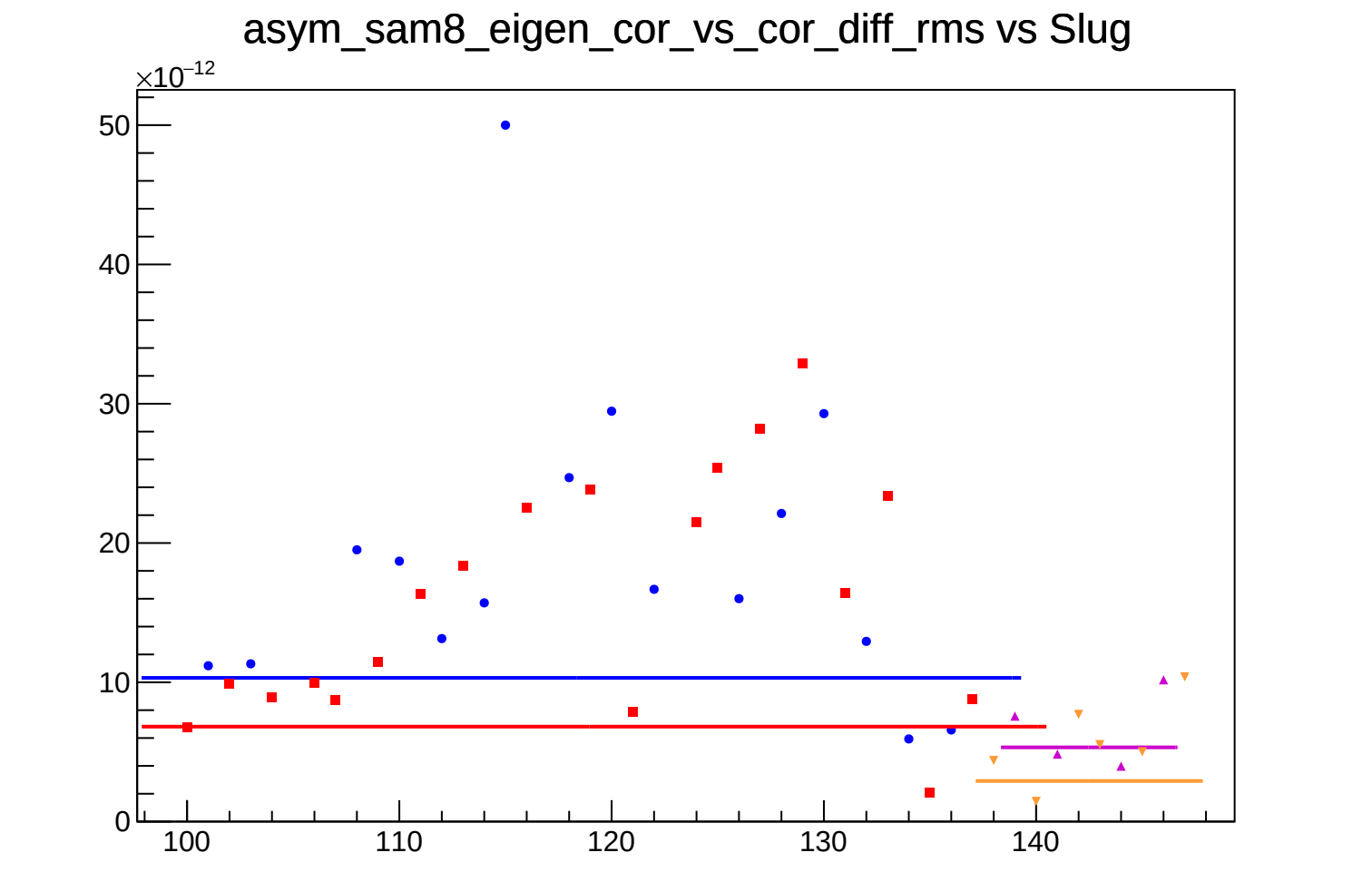
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/21

All: -0.000+/-0.000 χ^2/NDF: 51.3/44

- sign -0.000+/-0.000 χ^2/NDF: 24.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1787271.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

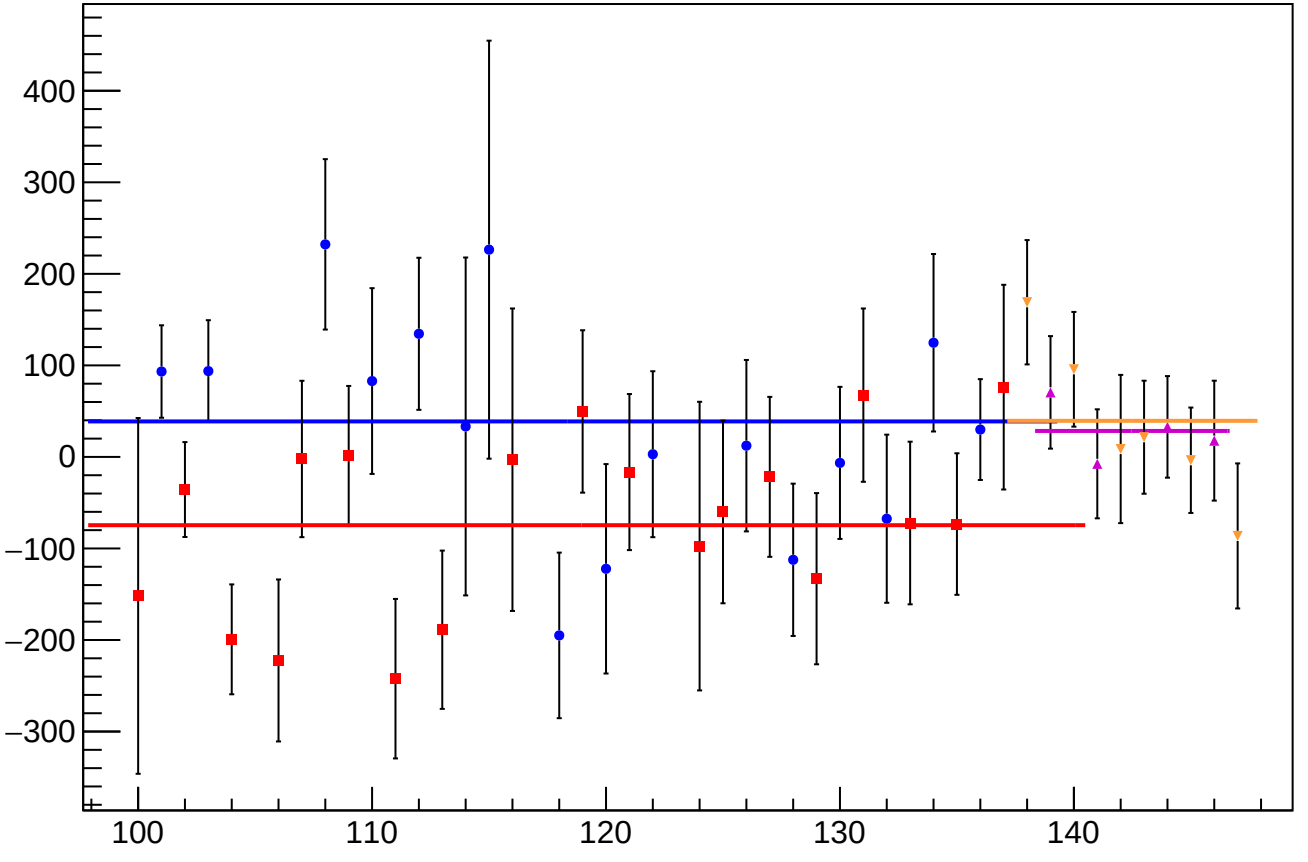
Left In: 0.000+/-0.000 χ^2/NDF:511208.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 6822756.3/21

All: 0.000+/-0.000 χ^2/NDF: 12089045.8/44

- sign 0.000+/-0.000 χ^2/NDF: 4665169.4/22

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.436+/-27.240 χ^2/NDF:7.8/5

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

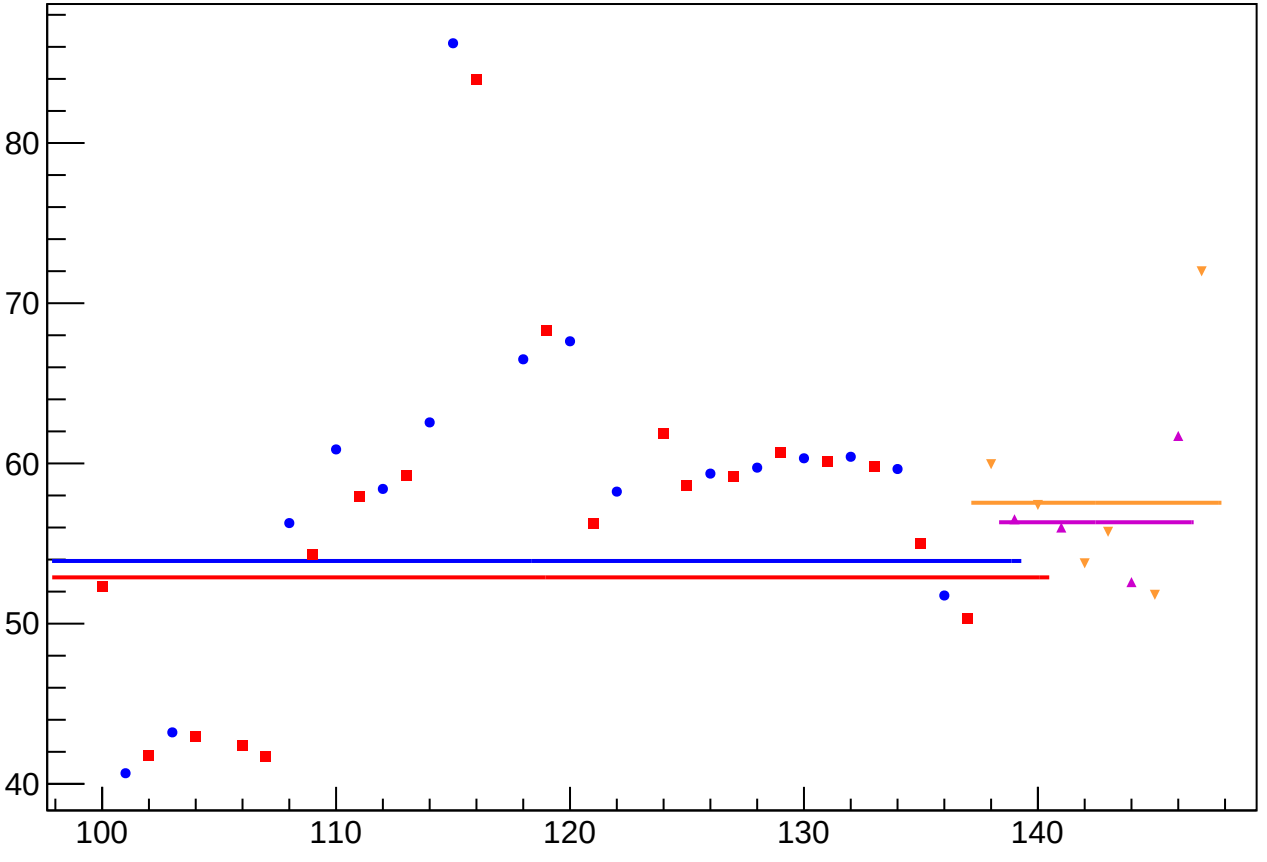
Left In: 28.372+/-30.086 χ^2/NDF:0.9/3

+ sign 39.017+/-16.335 χ^2/NDF: 31.1/21

All: -1.707+/-11.623 χ^2/NDF: 75.1/44

- sign -43.462+/-16.541 χ^2/NDF: 31.5/22

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

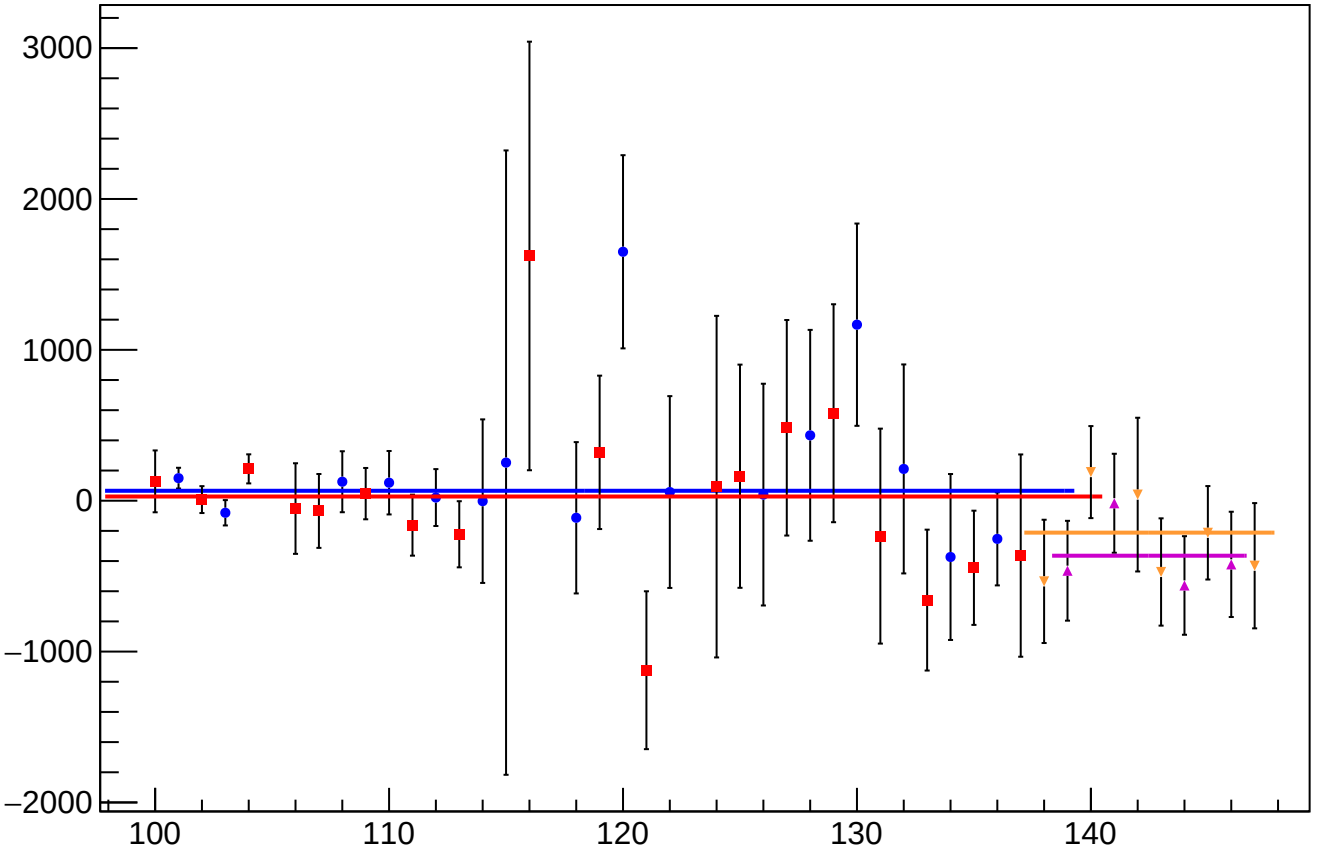
Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 55.219+/-0.012 χ^2/NDF: 511055.6/21

All: 54.582+/-0.008 χ^2/NDF: 983371.2/44

- sign 53.929+/-0.012 χ^2/NDF: 466153.5/22

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -211.559+/-149.526 χ^2/NDF:3.4/5

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

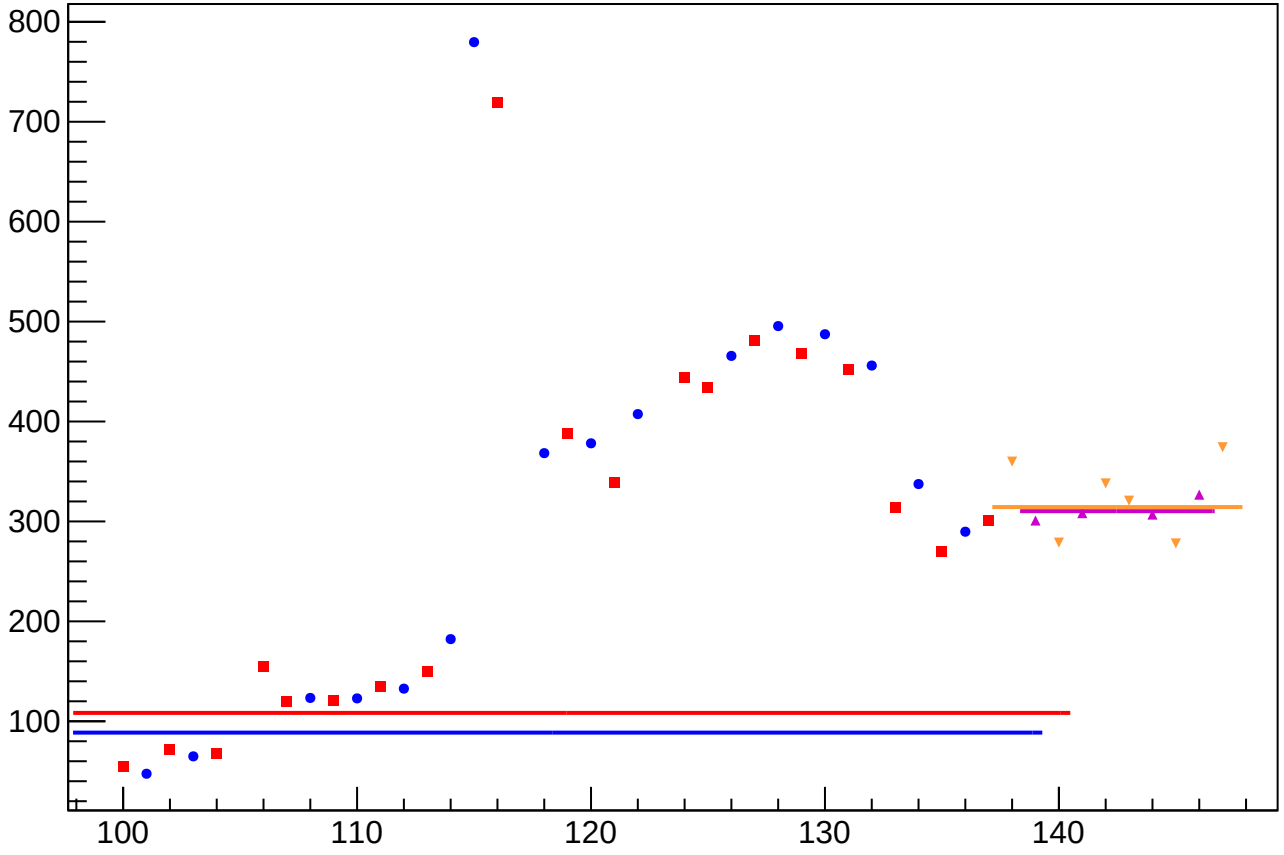
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

\+ sign 41.411+/-44.384 χ^2/NDF: 22.3/21

All: 20.133+/-32.633 χ^2/NDF: 47.4/44

\- sign -4.905+/-48.147 χ^2/NDF: 24.7/22

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 314.372+/-0.106 χ^2/NDF:126165.9/5

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

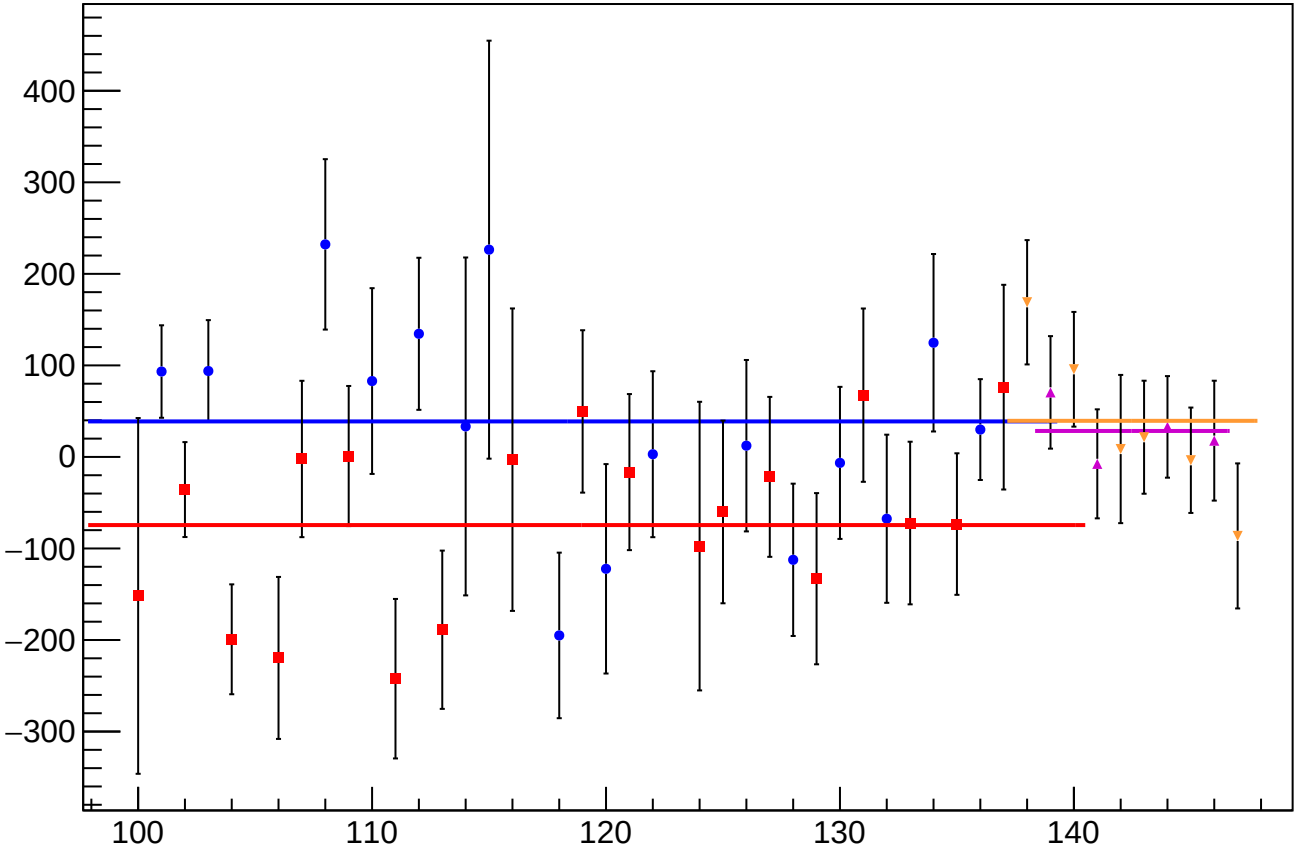
Left In: 310.275+/-0.118 χ^2/NDF:6372.5/3

+ sign 108.545+/-0.031 χ^2/NDF: 10930038.1/21

All: 116.214+/-0.023 χ^2/NDF: 19119708.2/44

- sign 125.238+/-0.034 χ^2/NDF: 8059698.6/22

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

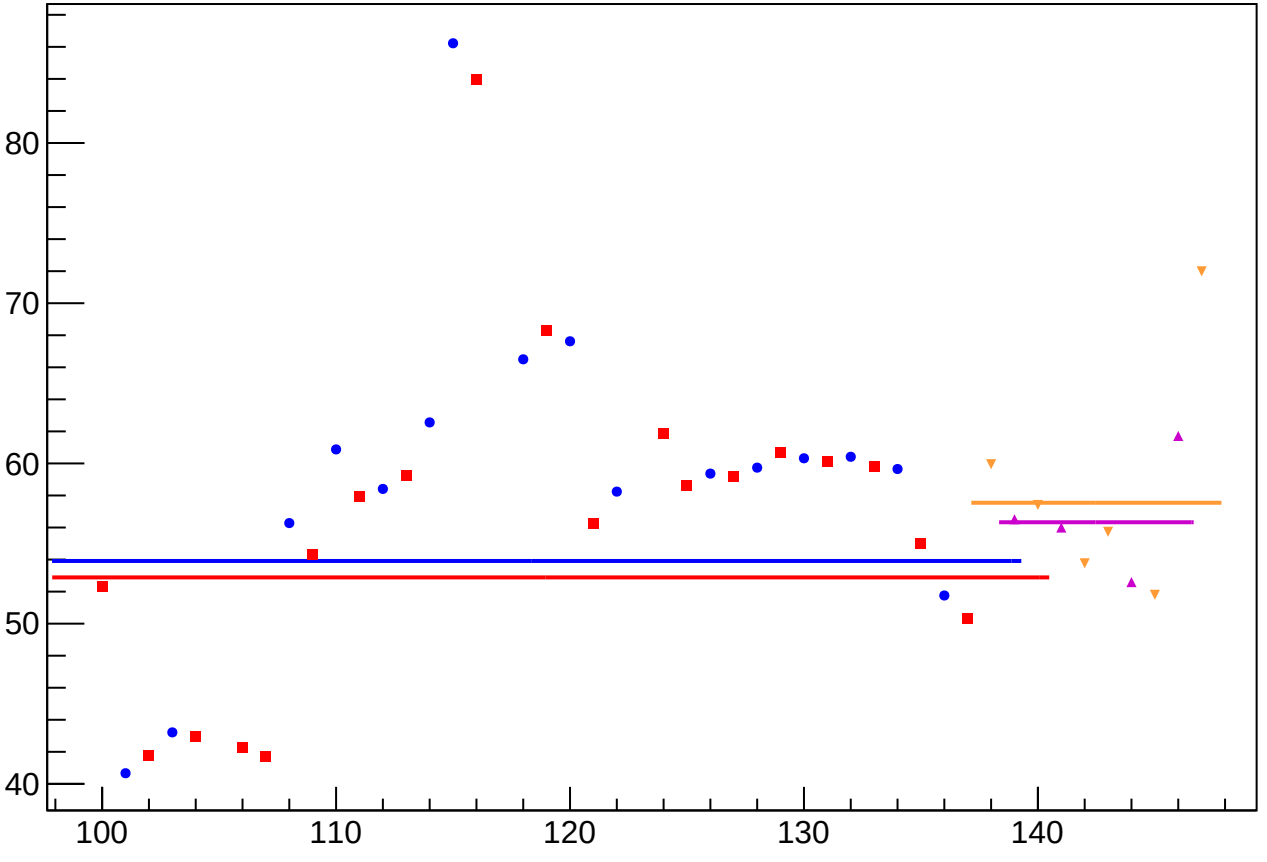
Left In: 28.369+/-30.086 χ^2/NDF:0.9/3

+ sign 39.027+/-16.335 χ^2/NDF: 31.1/21

All: -1.652+/-11.623 χ^2/NDF: 75.0/44

- sign -43.365+/-16.541 χ^2/NDF: 31.4/22

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

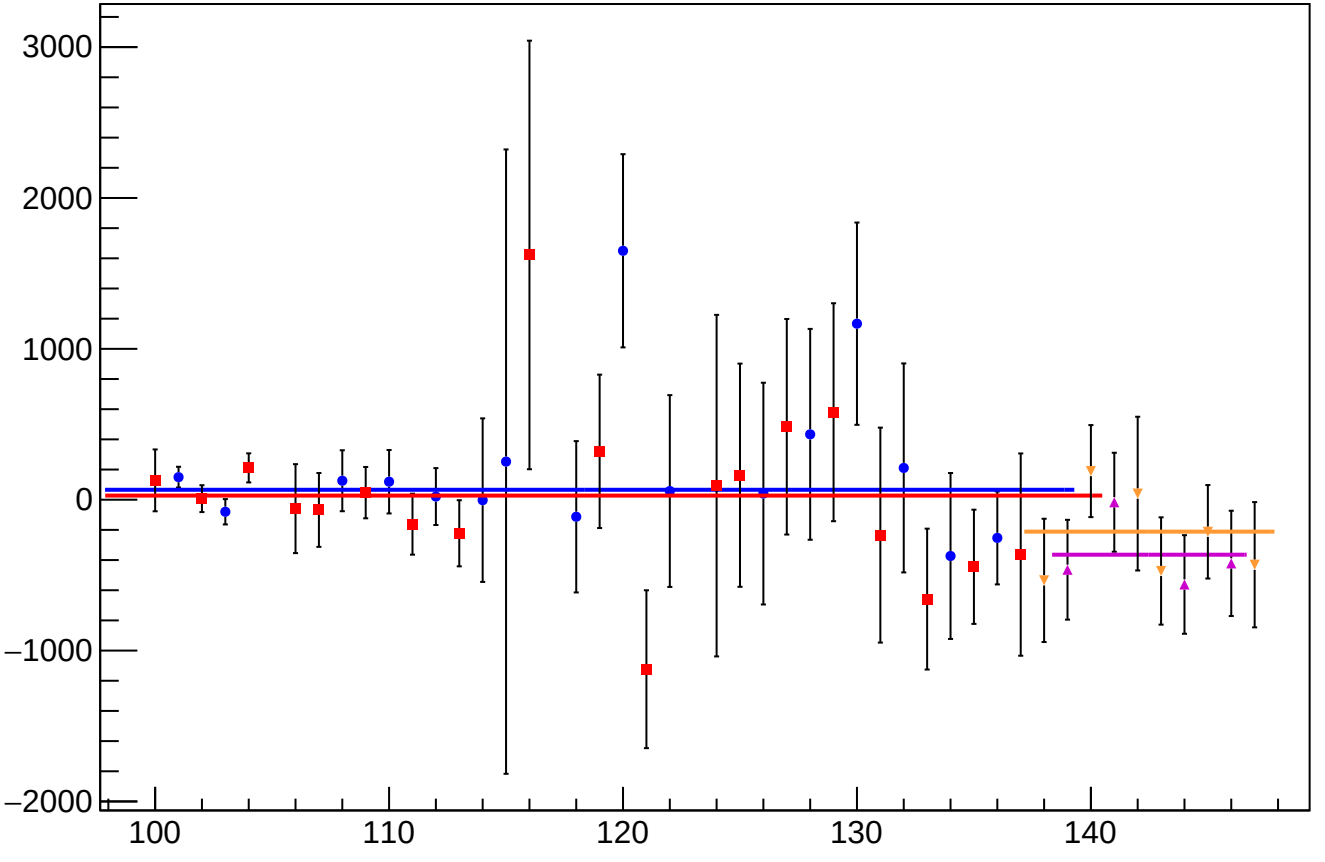
Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 55.219+/-0.012 χ^2/NDF: 511054.9/21

All: 54.581+/-0.008 χ^2/NDF: 983714.8/44

- sign 53.927+/-0.012 χ^2/NDF: 466484.1/22

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

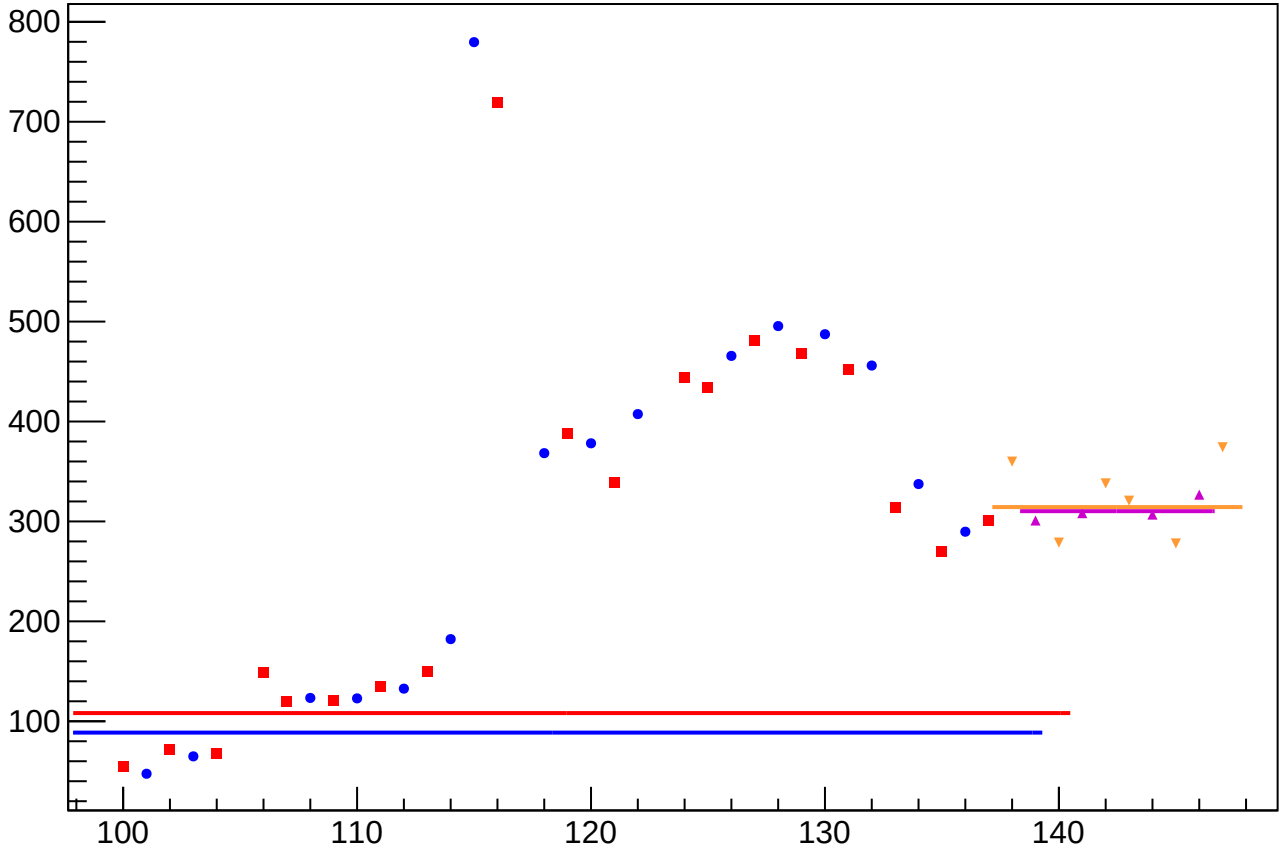
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

+ sign 41.416+/-44.383 χ^2/NDF: 22.3/21

All: 19.955+/-32.621 χ^2/NDF: 47.5/44

- sign -5.261+/-48.109 χ^2/NDF: 24.7/22

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

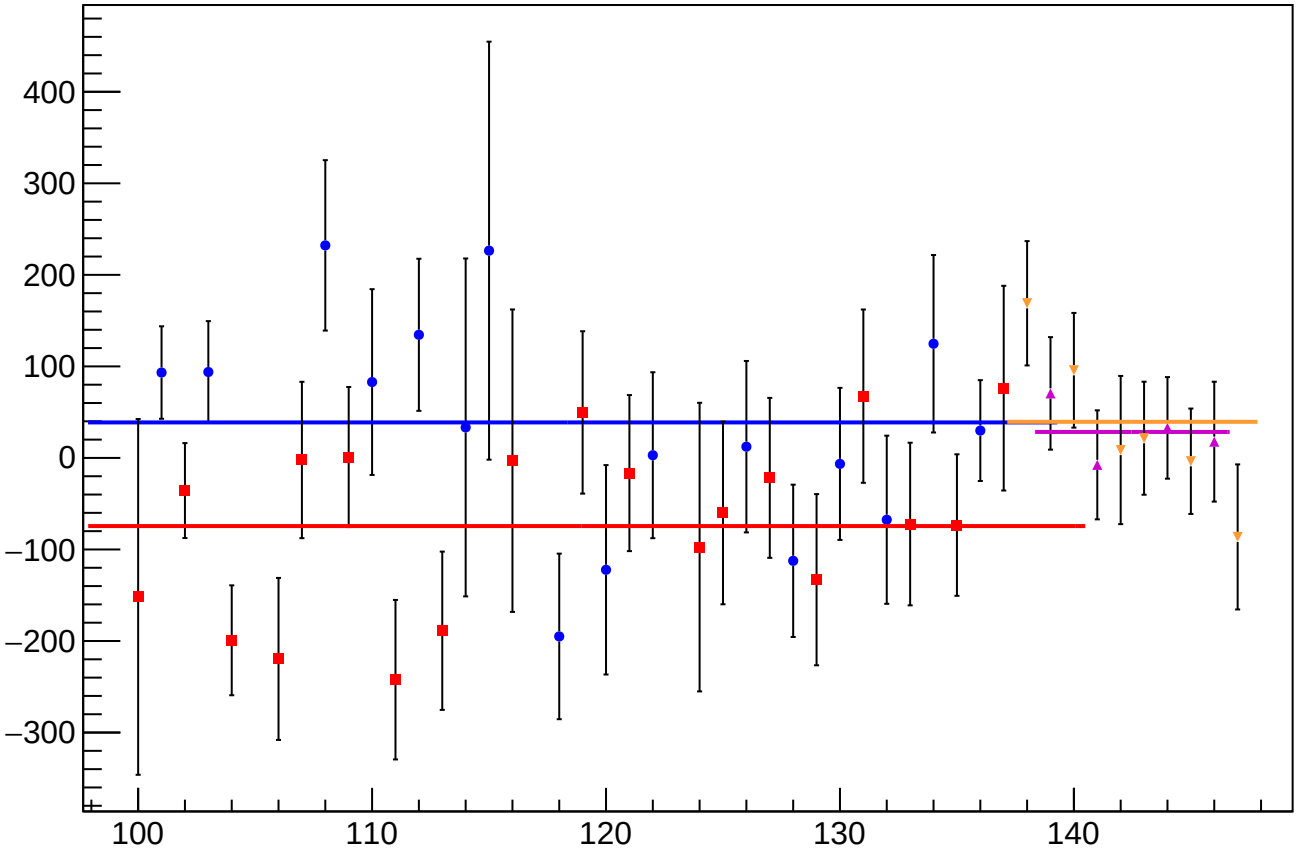
Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

+ sign 108.542+/-0.031 χ^2/NDF: 10930225.1/21

All: 116.131+/-0.023 χ^2/NDF: 19114278.2/44

- sign 125.048+/-0.034 χ^2/NDF: 8056865.4/22

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

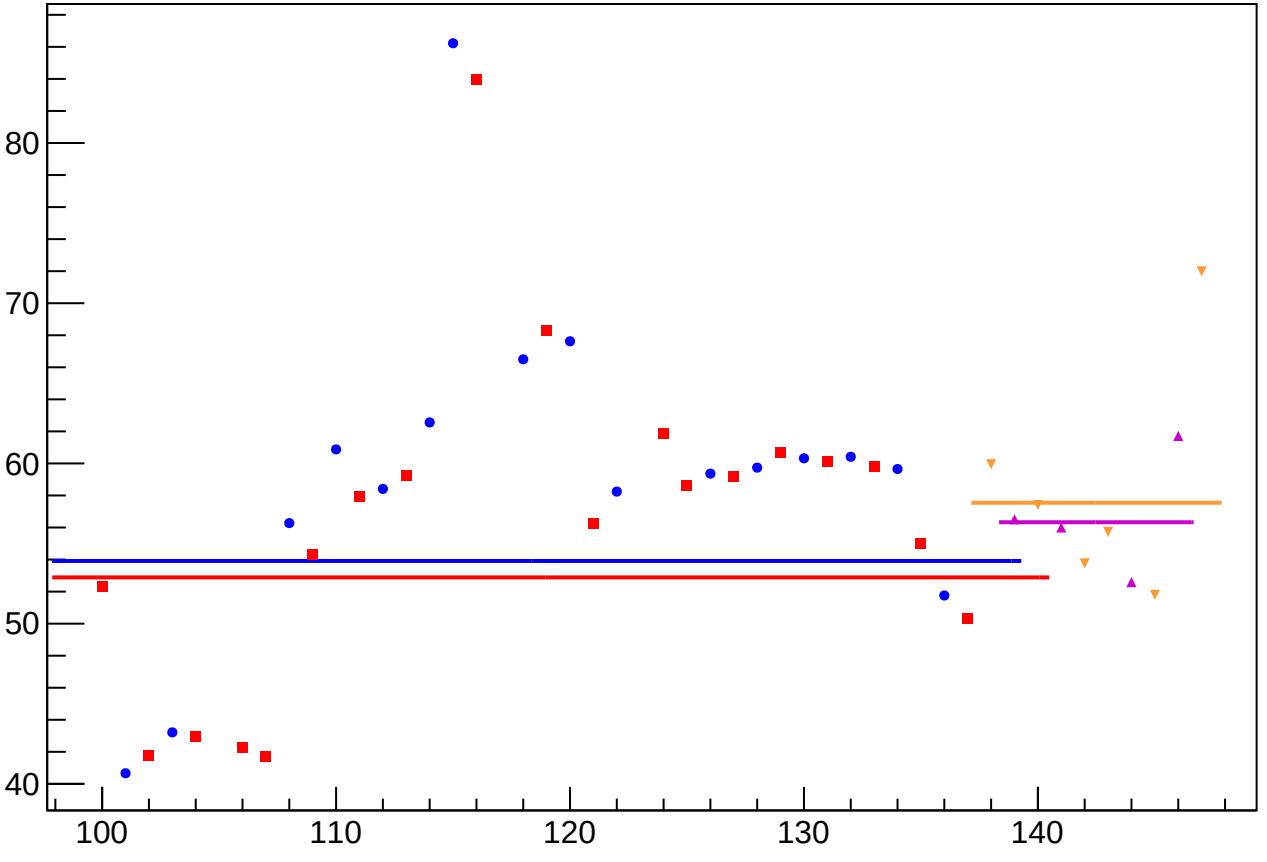
Left In: 28.369+/-30.086 χ^2/NDF:0.9/3

\+ sign 39.027+/-16.335 χ^2/NDF: 31.1/21

All: -1.652+/-11.623 χ^2/NDF: 75.0/44

\- sign -43.365+/-16.541 χ^2/NDF: 31.4/22

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

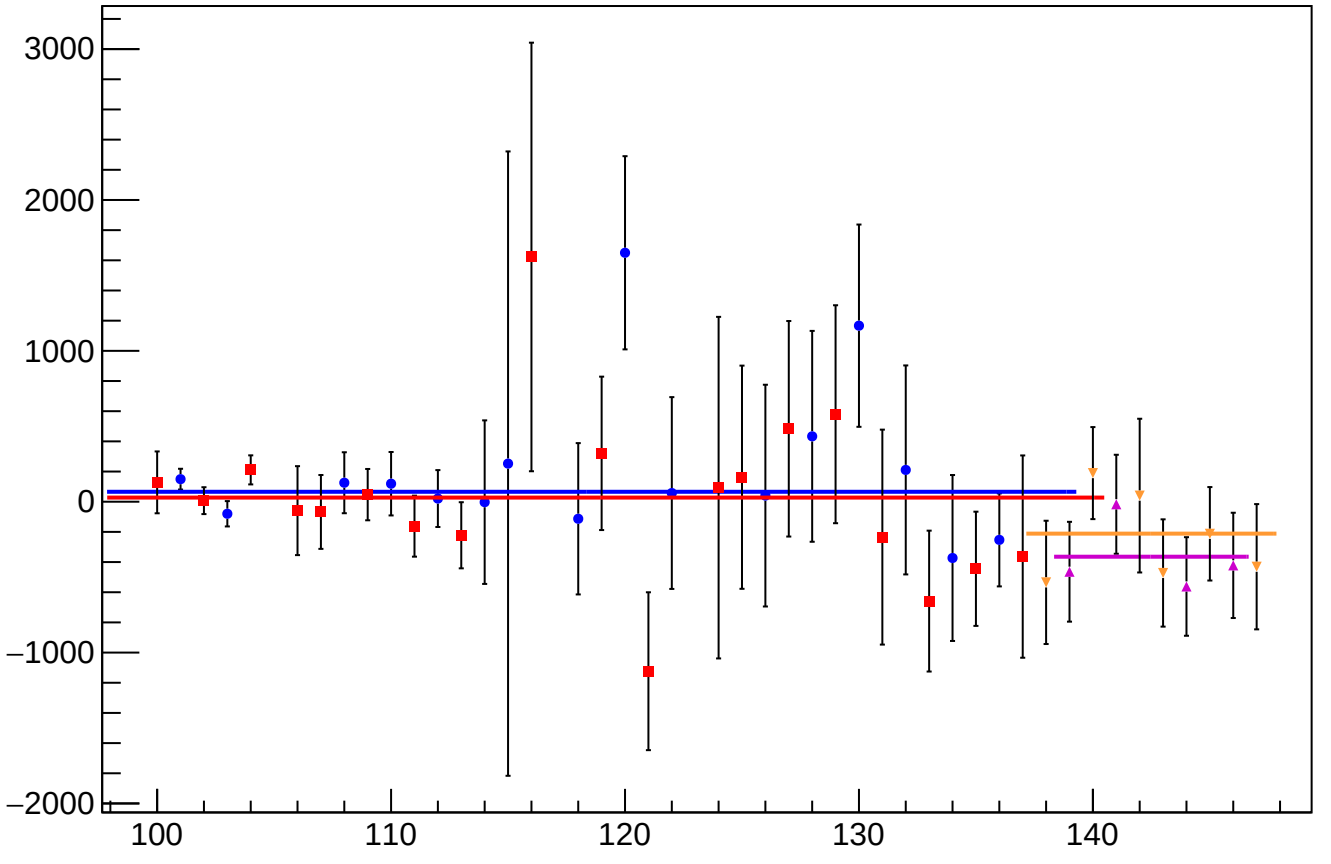
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 55.219+/-0.012 χ^2/NDF: 511054.9/21

All: 54.581+/-0.008 χ^2/NDF: 983714.8/44

- sign 53.927+/-0.012 χ^2/NDF: 466484.1/22



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

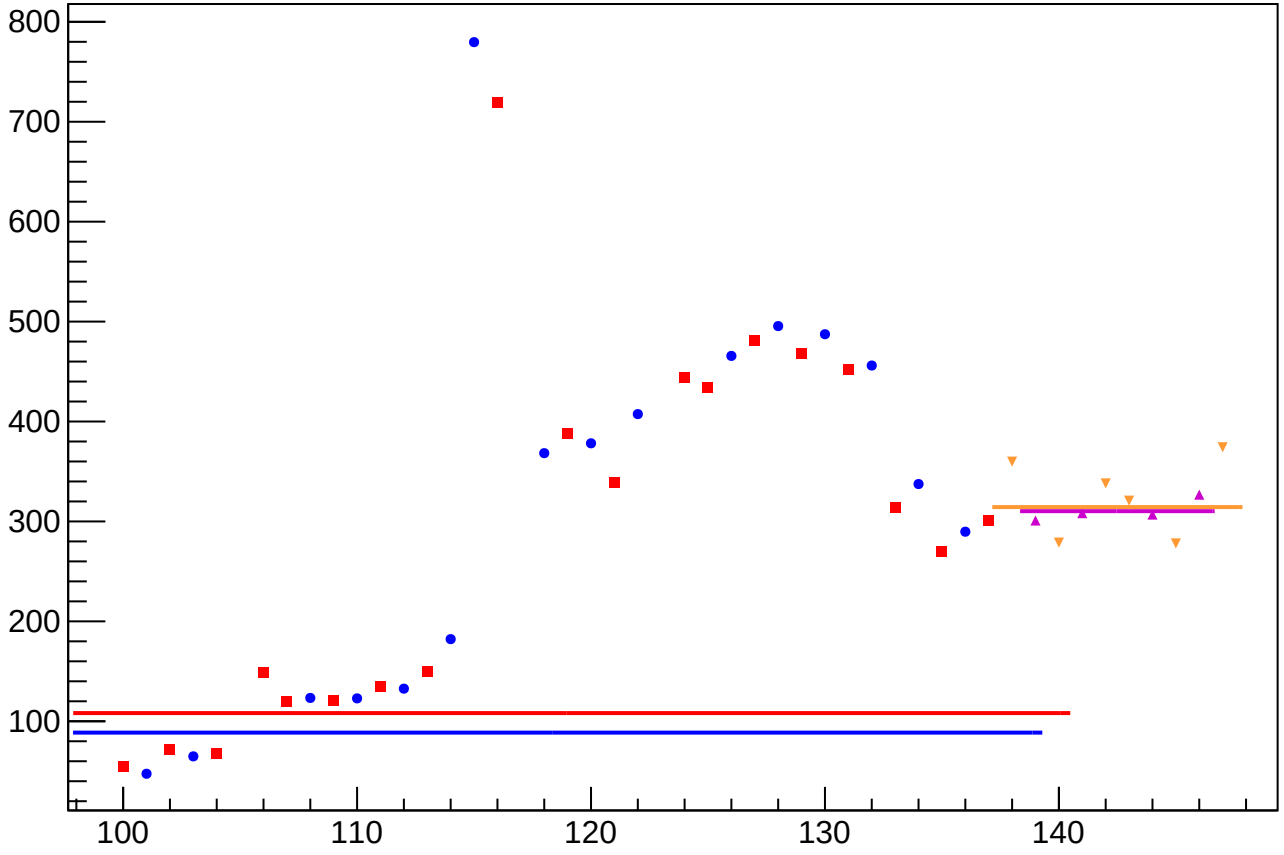
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

+ sign 41.416+/-44.383 χ^2/NDF: 22.3/21

All: 19.955+/-32.621 χ^2/NDF: 47.5/44

- sign -5.261+/-48.109 χ^2/NDF: 24.7/22

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

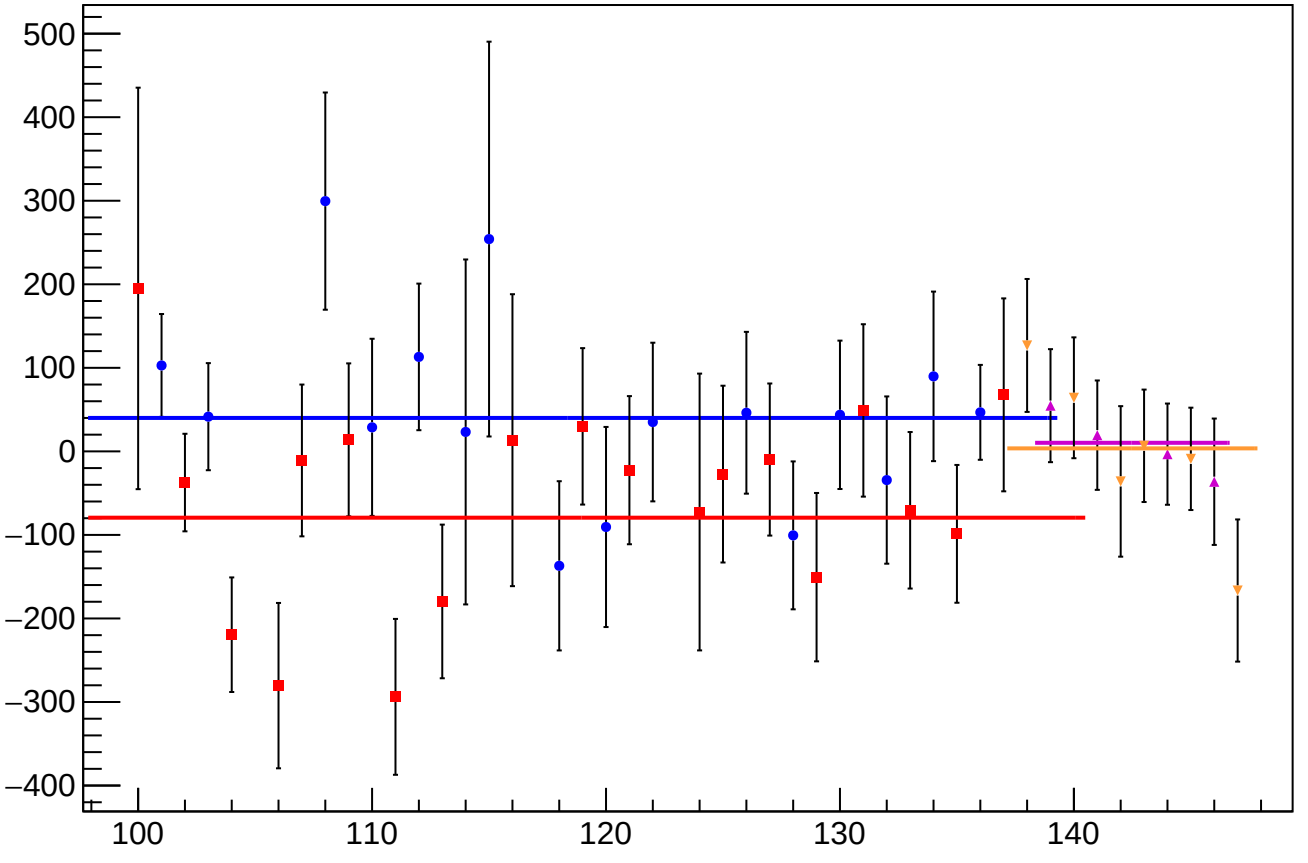
Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

+ sign 108.542+/-0.031 χ^2/NDF: 10930225.1/21

All: 116.131+/-0.023 χ^2/NDF: 19114278.2/44

- sign 125.048+/-0.034 χ^2/NDF: 8056865.4/22

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.584+/-30.182 χ^2/NDF:7.3/5

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

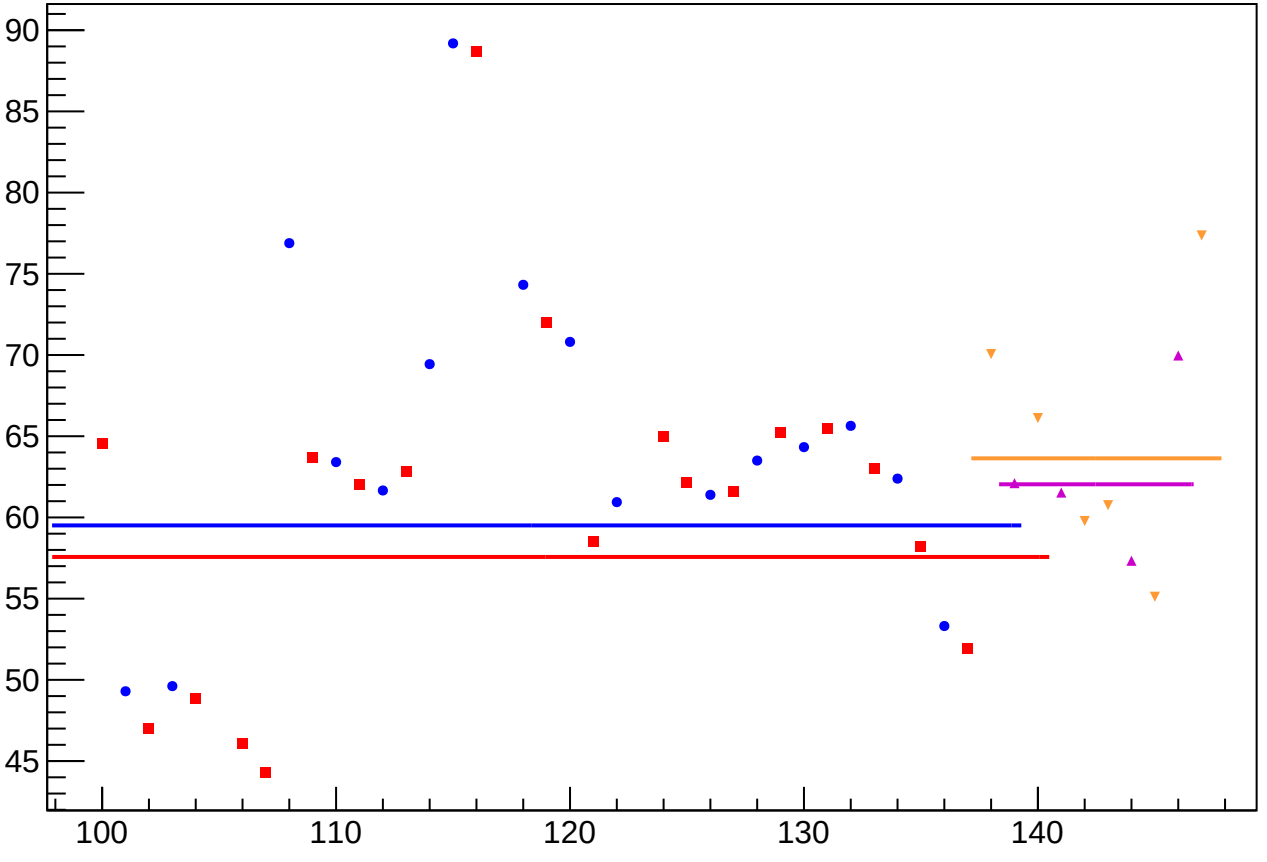
Left In: 10.258+/-33.348 χ^2/NDF:0.9/3

+ sign 27.000+/-18.047 χ^2/NDF: 22.4/21

All: -12.810+/-12.785 χ^2/NDF: 63.0/44

- sign -52.927+/-18.116 χ^2/NDF: 30.8/22

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.639+/-0.021 χ^2/NDF:113432.4/5

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

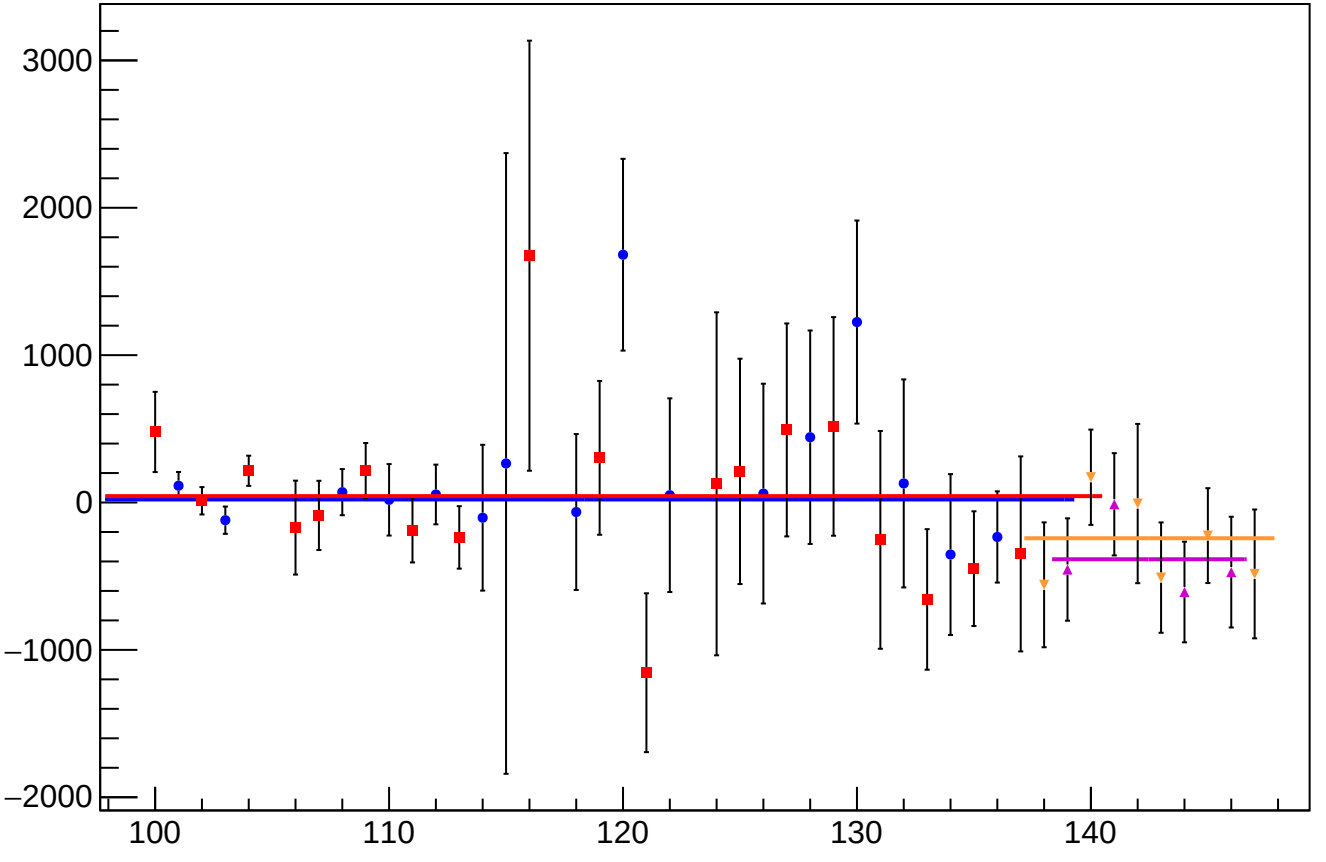
Left In: 62.041+/-0.024 χ^2/NDF:34192.0/3

+ sign 60.985+/-0.013 χ^2/NDF: 420685.0/21

All: 59.940+/-0.009 χ^2/NDF: 841096.2/44

- sign 58.887+/-0.013 χ^2/NDF: 406945.8/22

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.977 χ^2/NDF:3.2/5

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

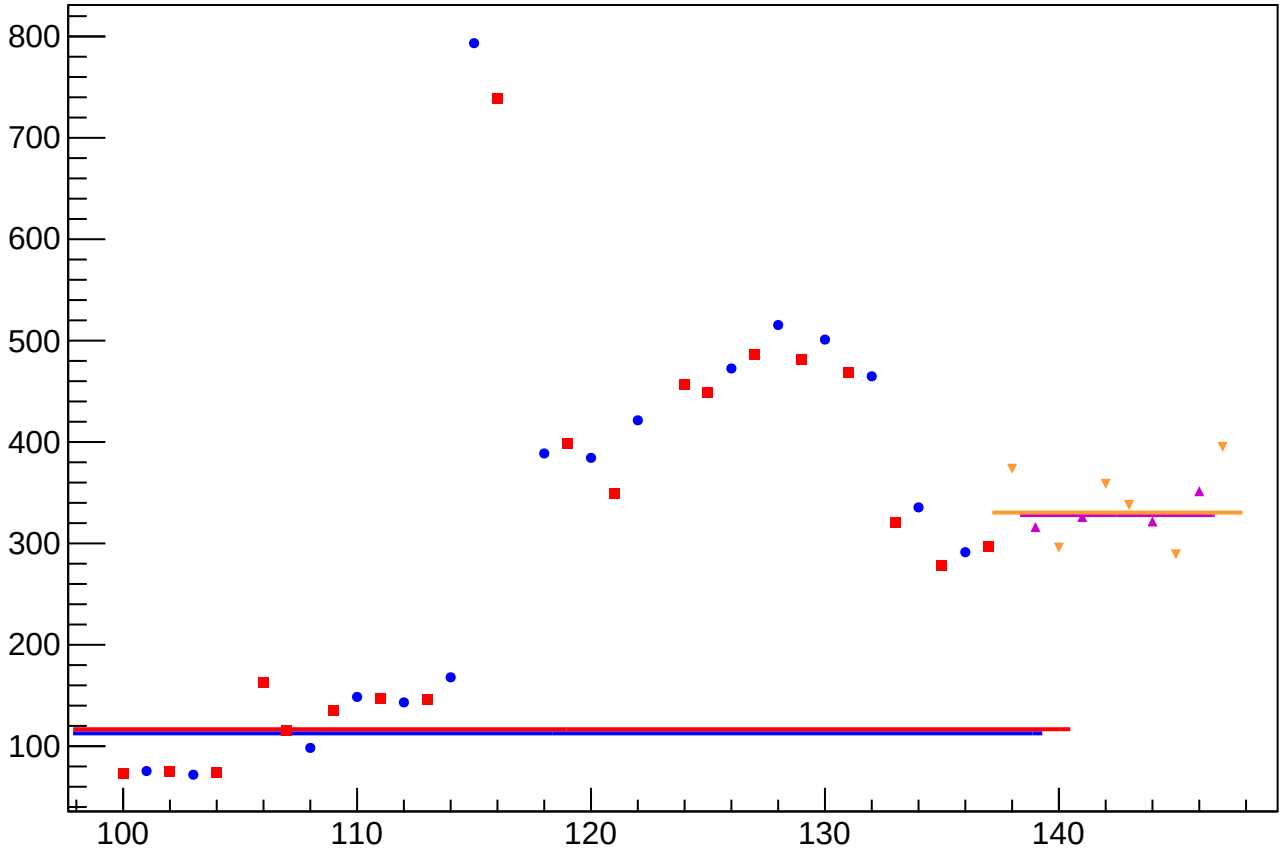
Left In: -385.023+/-176.109 χ^2/NDF:1.7/3

+ sign -6.623+/-50.712 χ^2/NDF: 20.3/21

All: 0.375+/-35.938 χ^2/NDF: 49.0/44

- sign 7.434+/-50.936 χ^2/NDF: 28.6/22

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 330.432+/-0.111 χ^2/NDF:126789.1/5

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

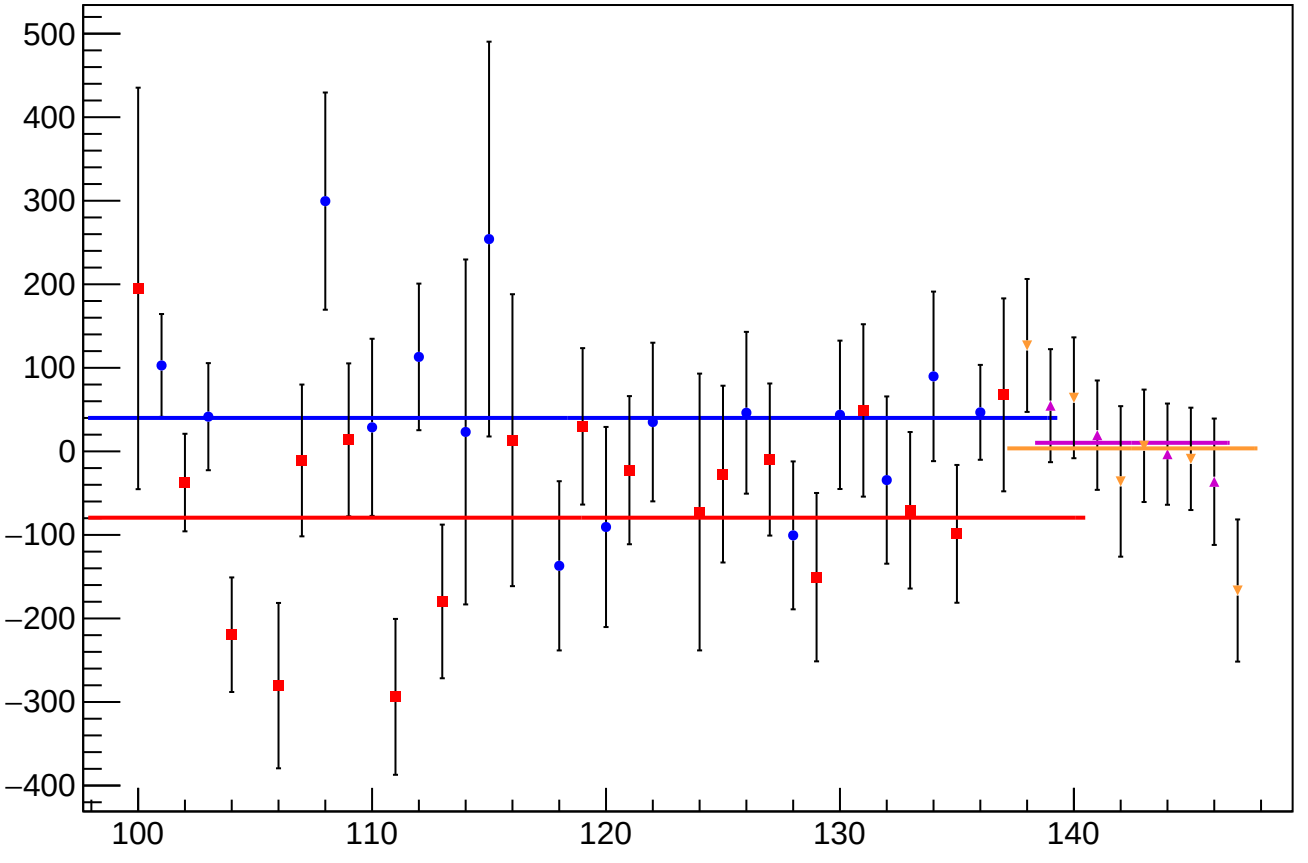
Left In: 327.980+/-0.125 χ^2/NDF:10906.8/3

+ sign 135.395+/-0.036 χ^2/NDF: 9173598.6/21

All: 134.902+/-0.025 χ^2/NDF: 16963244.2/44

- sign 134.404+/-0.036 χ^2/NDF: 7789265.9/22

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.585+/-30.182 χ^2/NDF:7.3/5

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

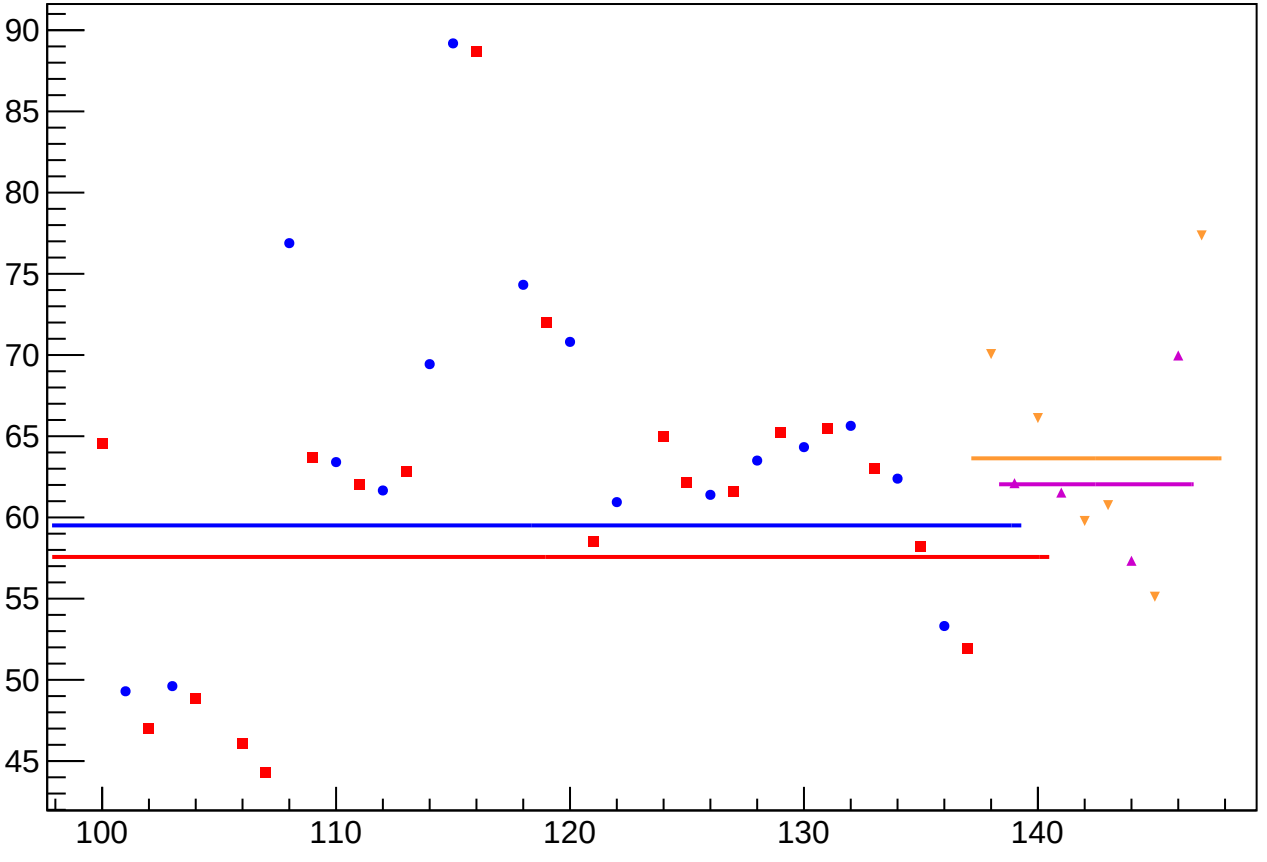
Left In: 10.257+/-33.348 χ^2/NDF:0.9/3

+ sign 27.000+/-18.047 χ^2/NDF: 22.4/21

All: -12.811+/-12.785 χ^2/NDF: 63.0/44

- sign -52.927+/-18.116 χ^2/NDF: 30.8/22

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.639+/-0.021 χ^2/NDF:113436.3/5

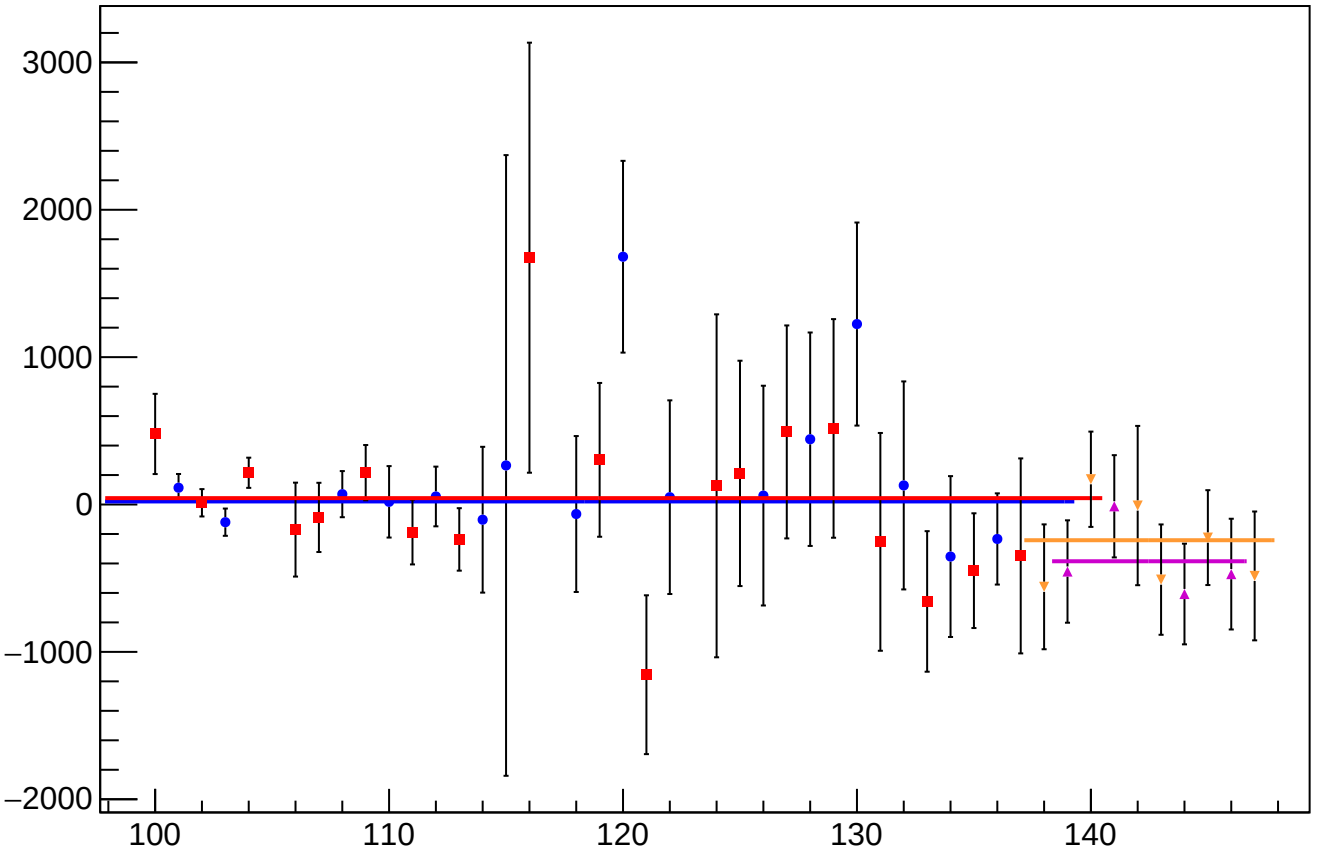
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 62.041+/-0.024 χ^2/NDF:34193.3/3

+ sign 60.985+/-0.013 χ^2/NDF: 420690.0/21

All: 59.940+/-0.009 χ^2/NDF: 841103.0/44

- sign 58.887+/-0.013 χ^2/NDF: 406947.9/22



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.978 χ^2/NDF:3.2/5

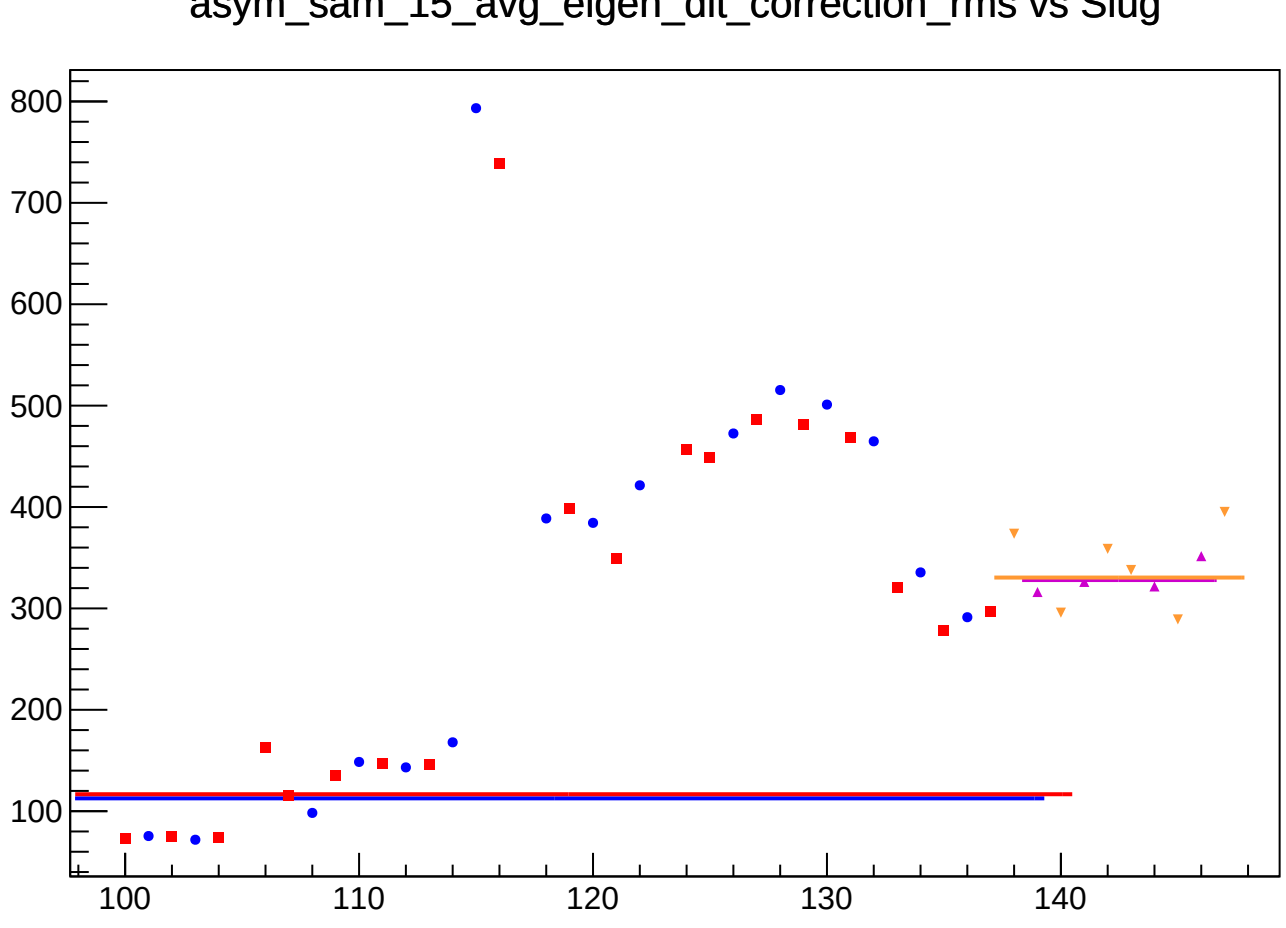
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -385.025+/-176.110 χ^2/NDF:1.7/3

+ sign -6.623+/-50.712 χ^2/NDF: 20.3/21

All: 0.375+/-35.938 χ^2/NDF: 49.0/44

- sign 7.434+/-50.936 χ^2/NDF: 28.6/22



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 330.433+/-0.111 χ^2/NDF:126790.5/5

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

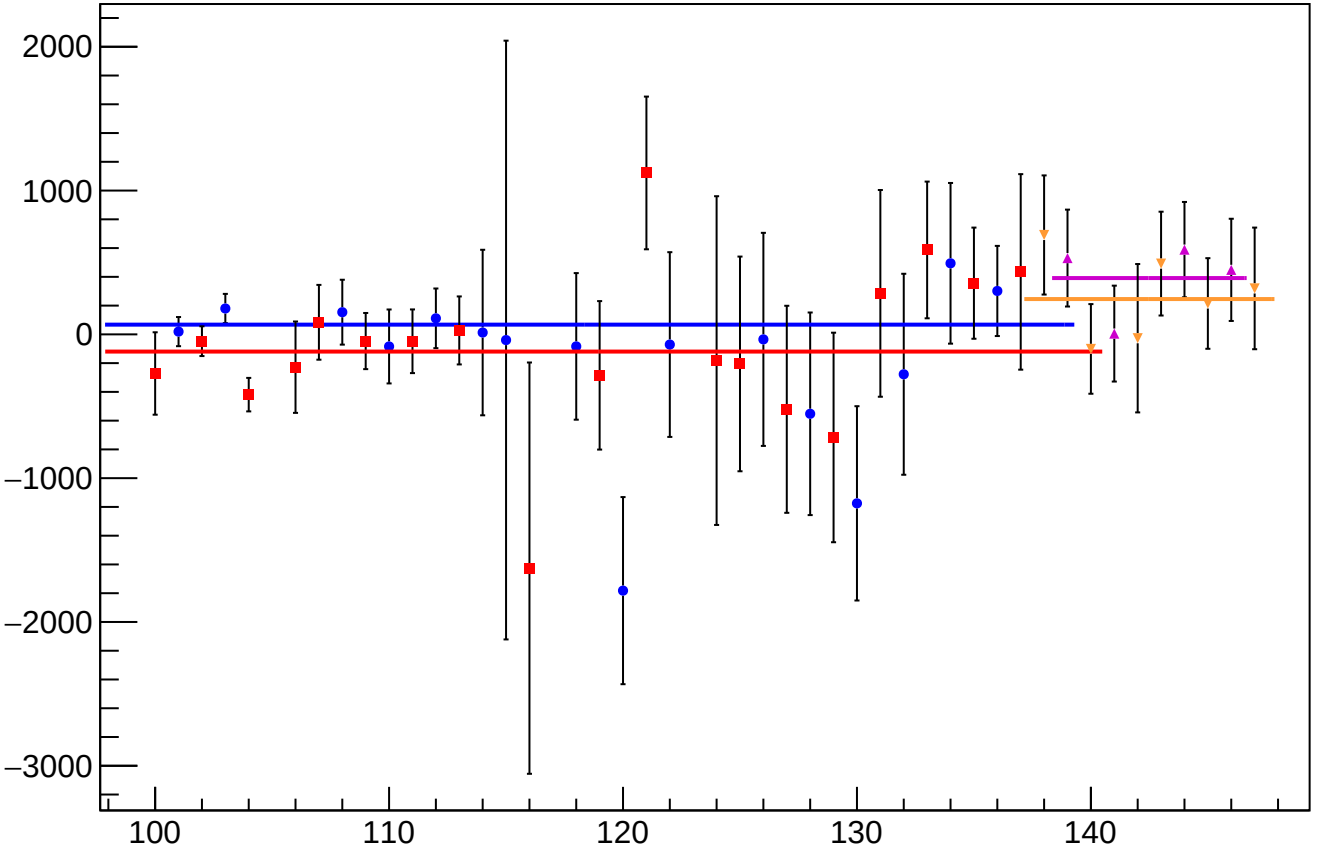
Left In: 327.981+/-0.125 χ^2/NDF:10907.0/3

+ sign 135.394+/-0.036 χ^2/NDF: 9173617.2/21

All: 134.901+/-0.025 χ^2/NDF: 16963285.0/44

- sign 134.404+/-0.036 χ^2/NDF: 7789288.0/22

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 245.548+/-152.115 χ^2/NDF:3.2/5

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

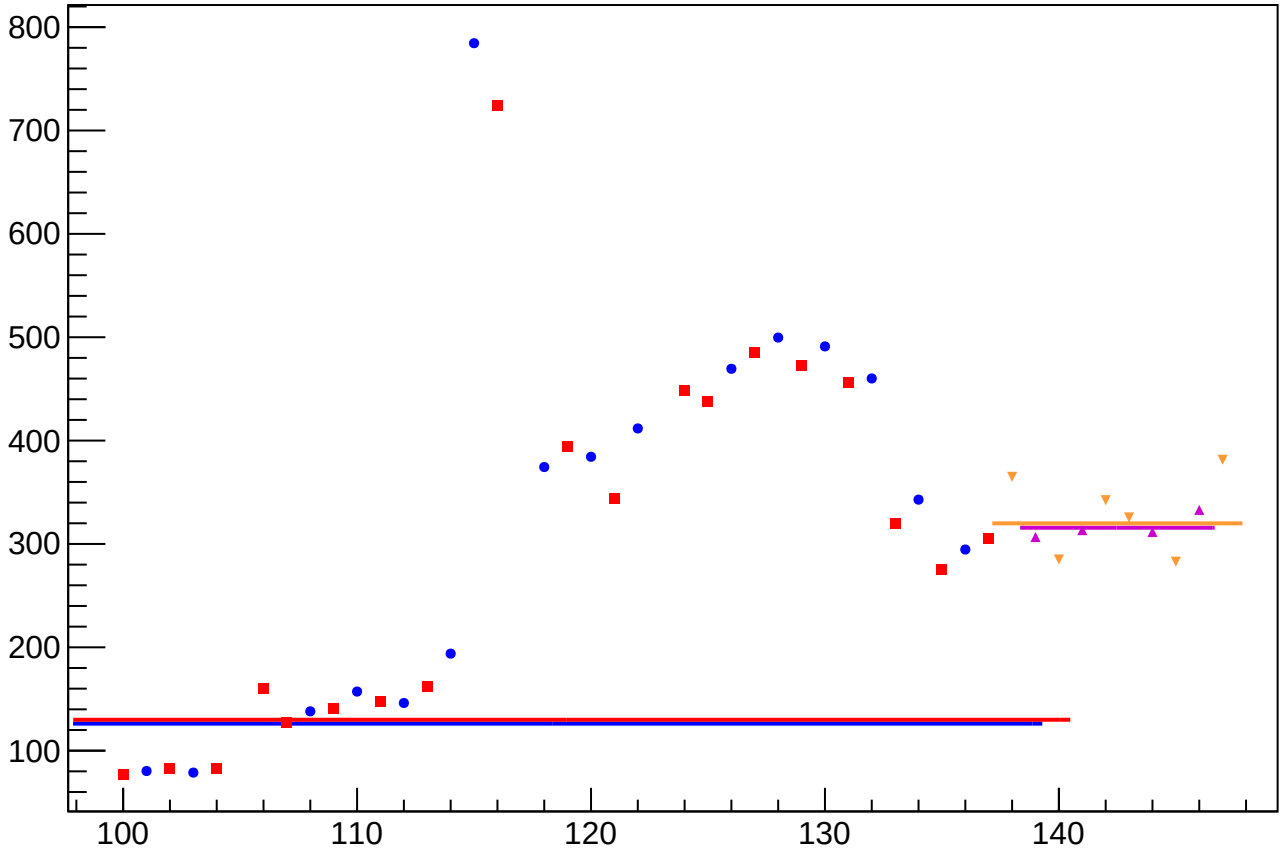
Left In: 391.523+/-169.488 χ^2/NDF:1.9/3

+ sign 91.004+/-55.144 χ^2/NDF: 20.2/21

All: 11.974+/-38.880 χ^2/NDF: 55.4/44

- sign -66.147+/-54.826 χ^2/NDF: 31.2/22

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 319.933+/-0.108 χ^2/NDF:123068.0/5

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

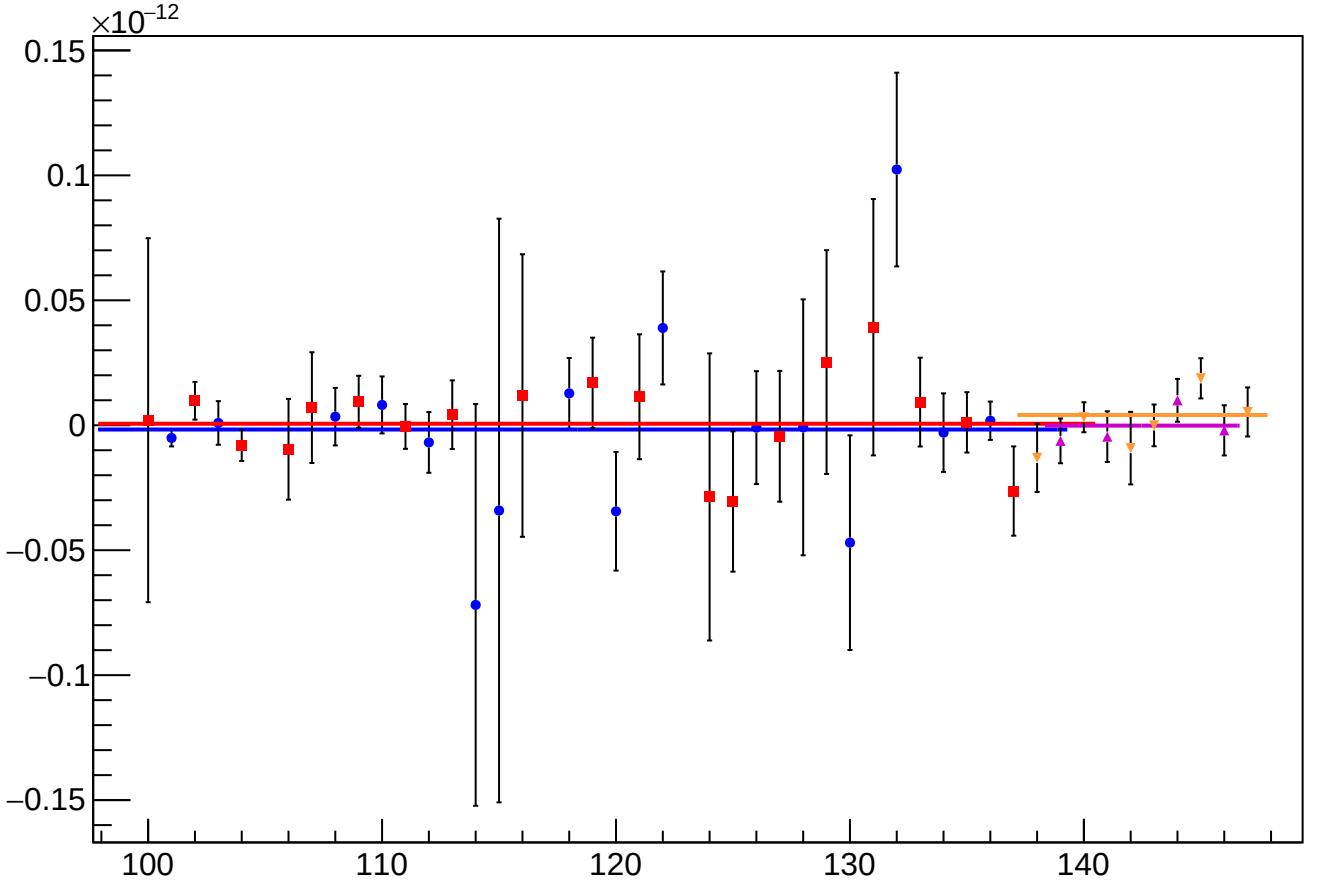
Left In: 315.699+/-0.120 χ^2/NDF:6540.9/3

+ sign 151.620+/-0.039 χ^2/NDF: 8162313.7/21

All: 150.481+/-0.027 χ^2/NDF: 14969862.5/44

- sign 149.355+/-0.039 χ^2/NDF: 6805851.7/22

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:6.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

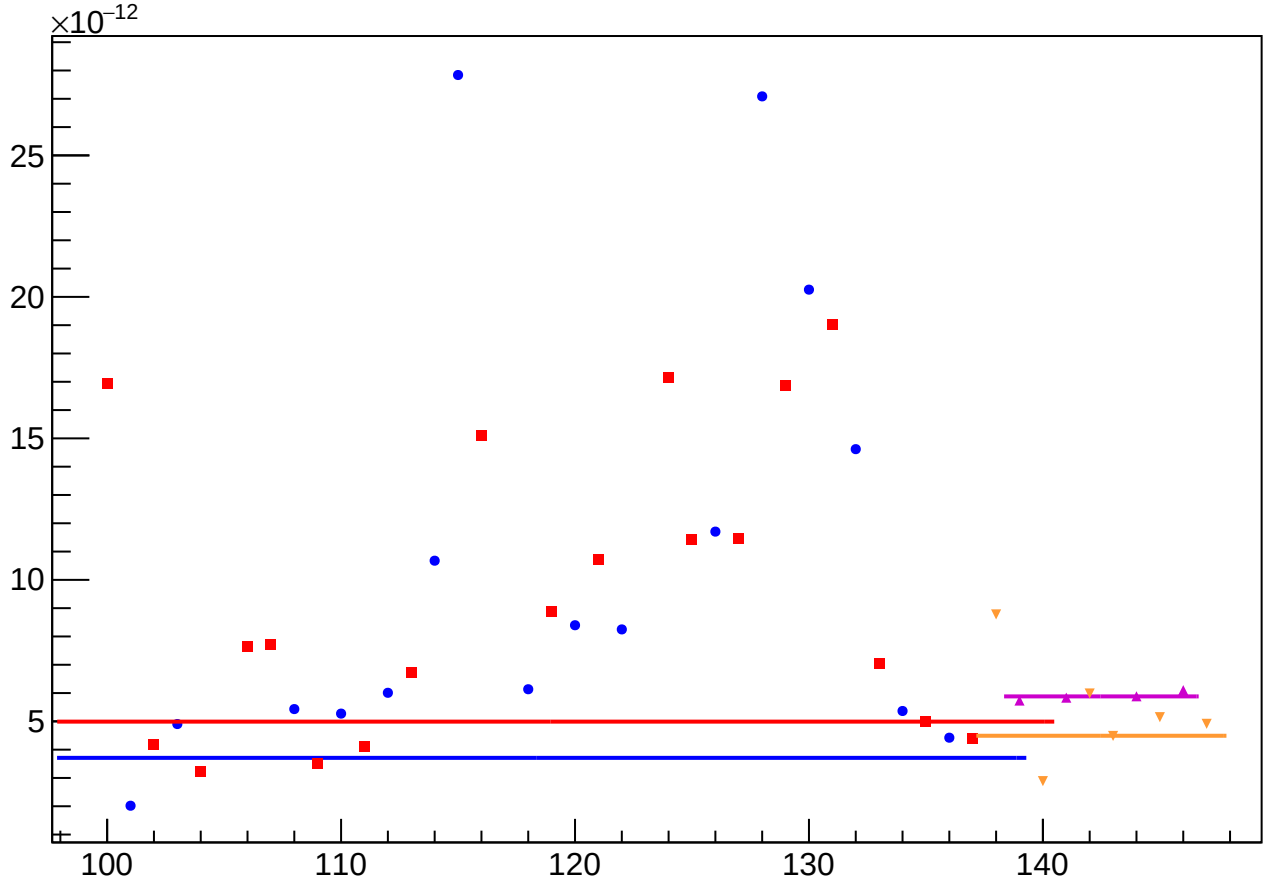
Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/21

All: 0.000+/-0.000 χ^2/NDF: 38.2/44

- sign 0.000+/-0.000 χ^2/NDF: 12.6/22

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:378389.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

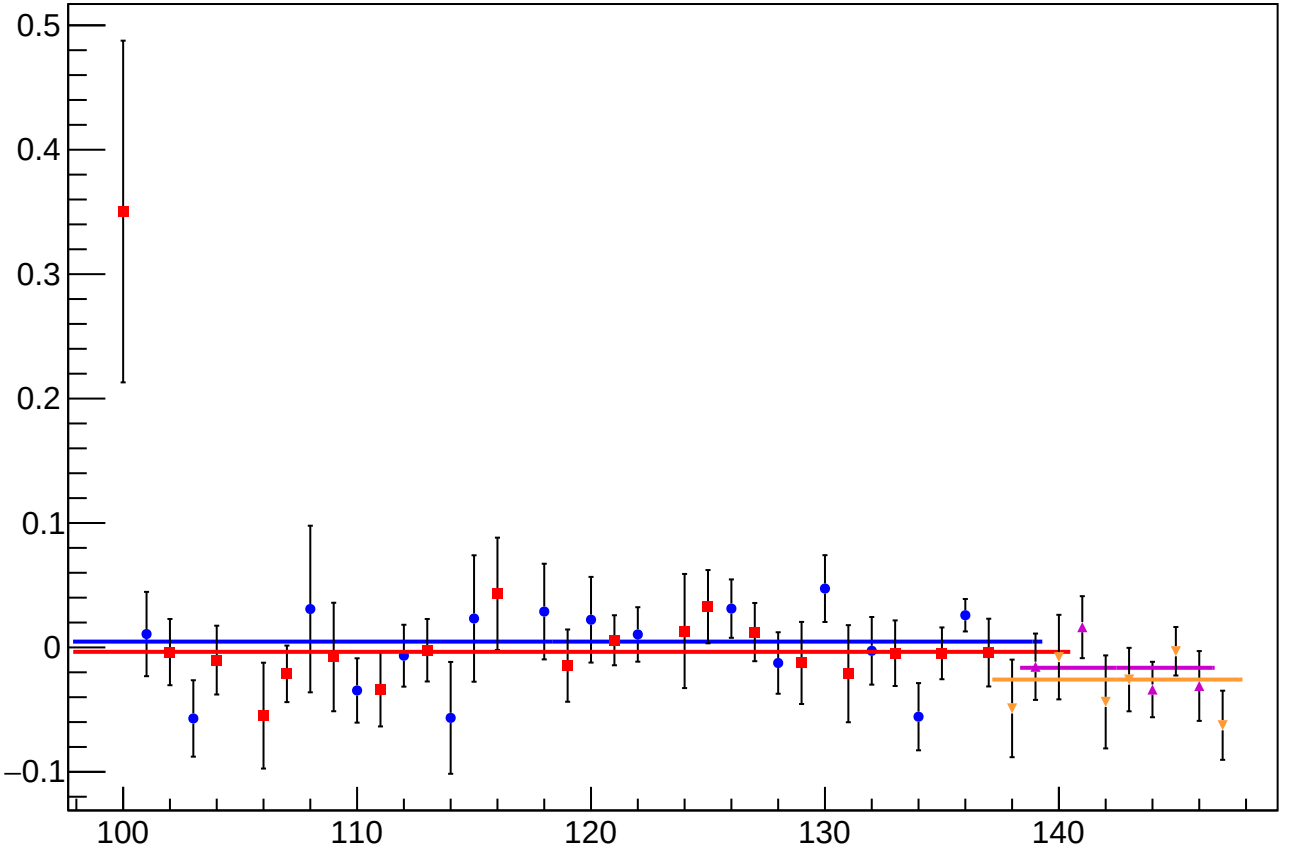
Left In: 0.000+/-0.000 χ^2/NDF:1546.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 2614365.7/21

All: 0.000+/-0.000 χ^2/NDF: 4263272.1/44

- sign 0.000+/-0.000 χ^2/NDF: 1346328.5/22

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: -0.026+/-0.011 χ^2/NDF:4.0/5

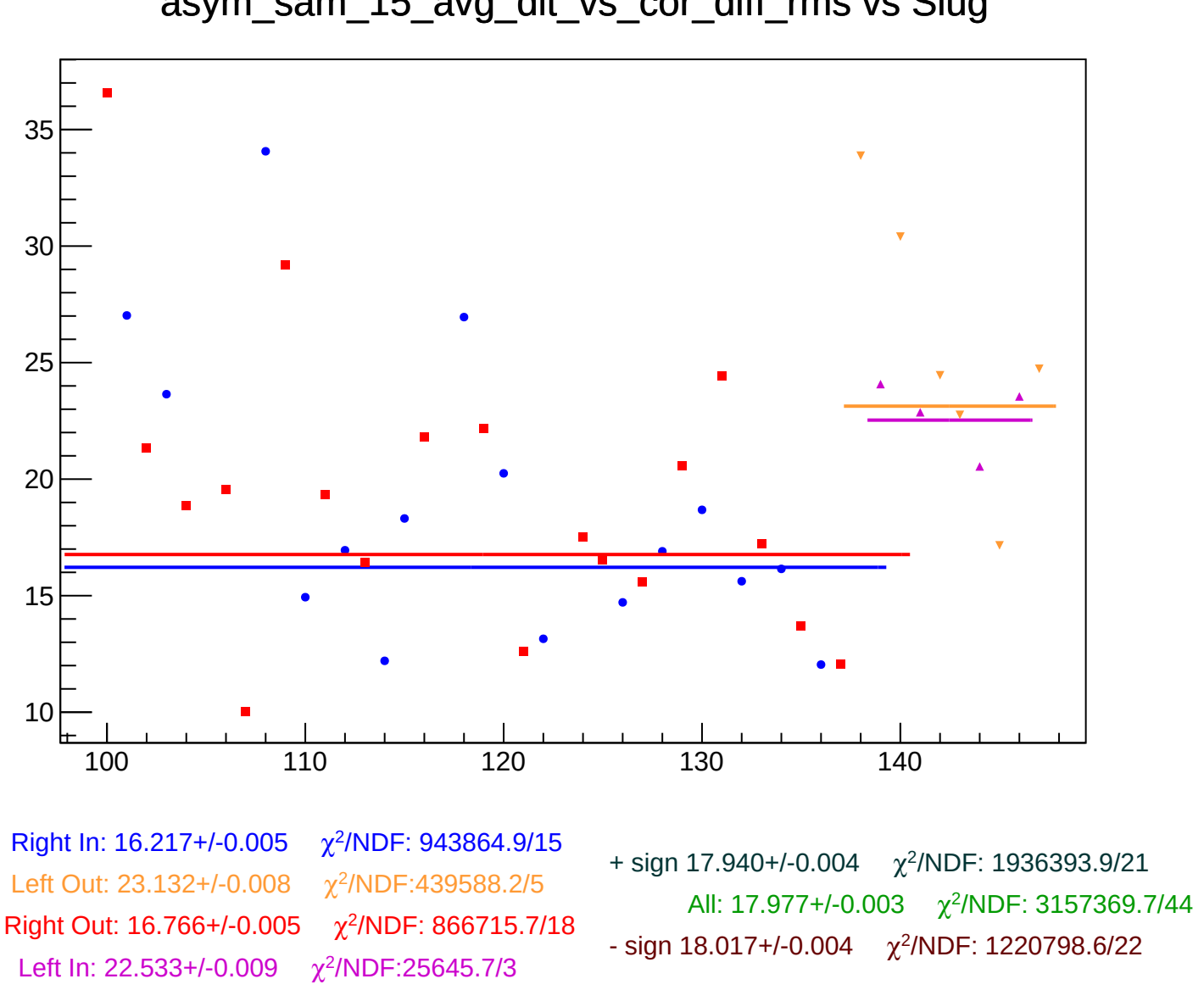
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.005+/-0.004 χ^2/NDF: 48.0/44

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug
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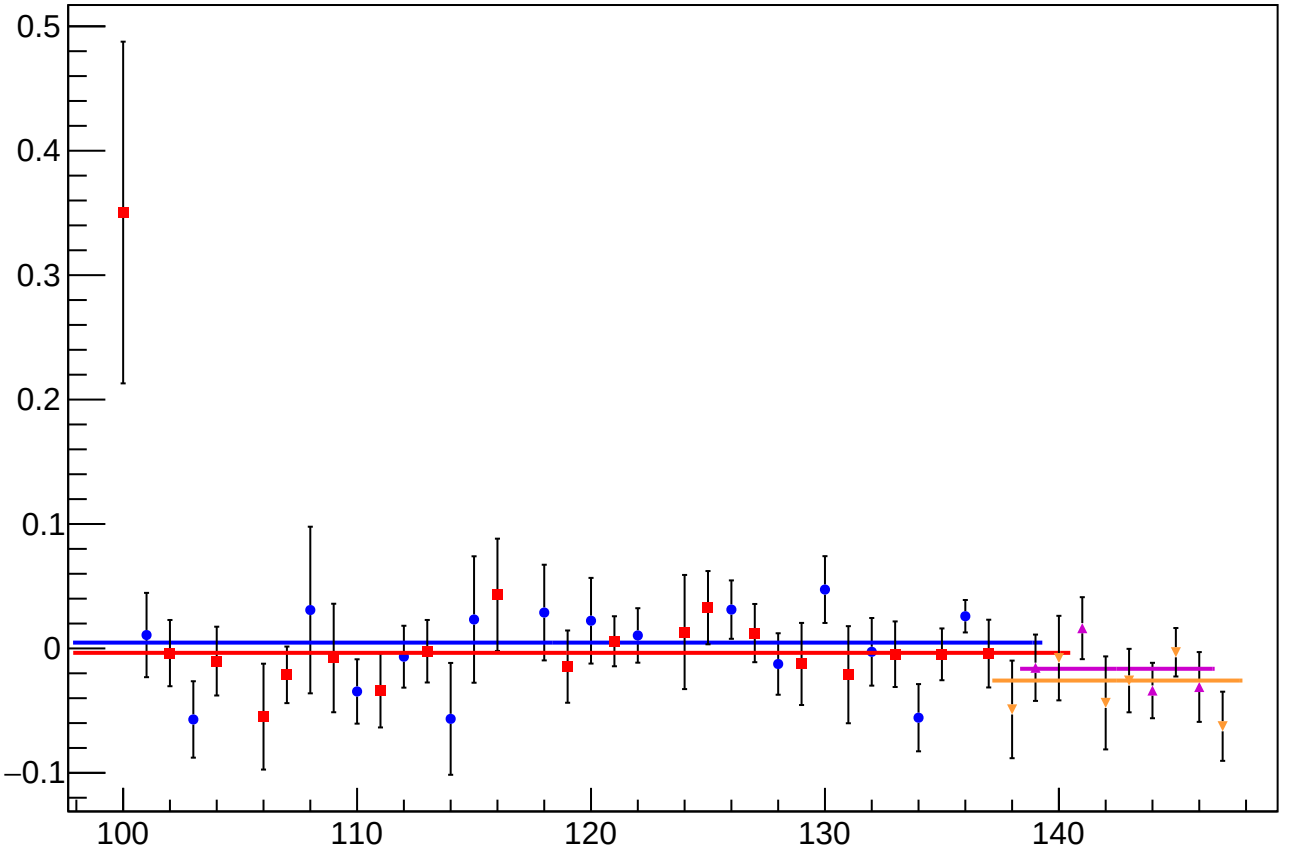
140
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 23.132+/-0.008 χ²/NDF:439588.2/5
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 22.533+/-0.009 χ²/NDF:25645.7/3
+ sign 17.940+/-0.004 χ²/NDF: 1936393.9/21
All: 17.977+/-0.003 χ²/NDF: 3157369.7/44
- sign 18.017+/-0.004 χ²/NDF: 1220798.6/22



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

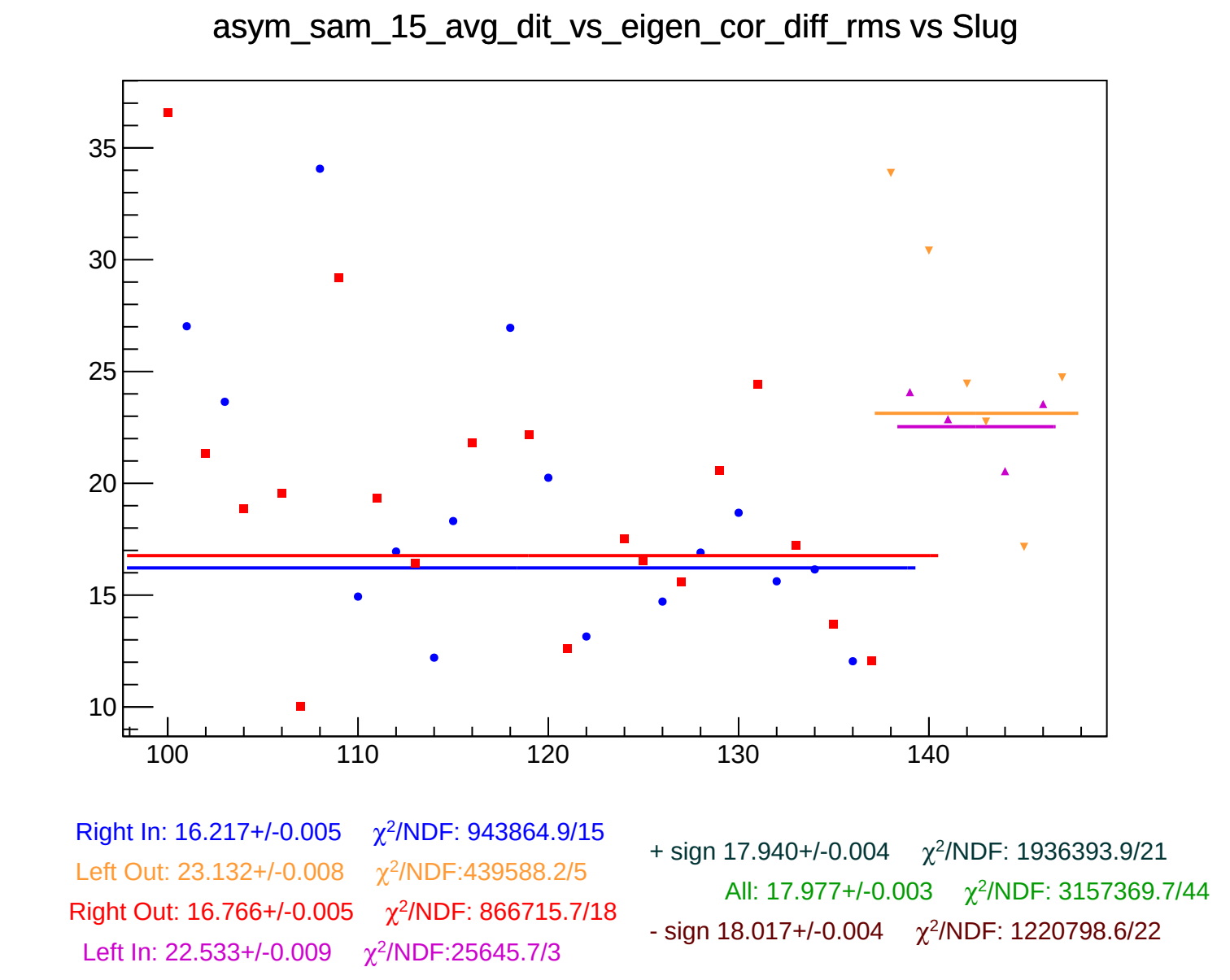
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.005+/-0.004 χ^2/NDF: 48.0/44

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
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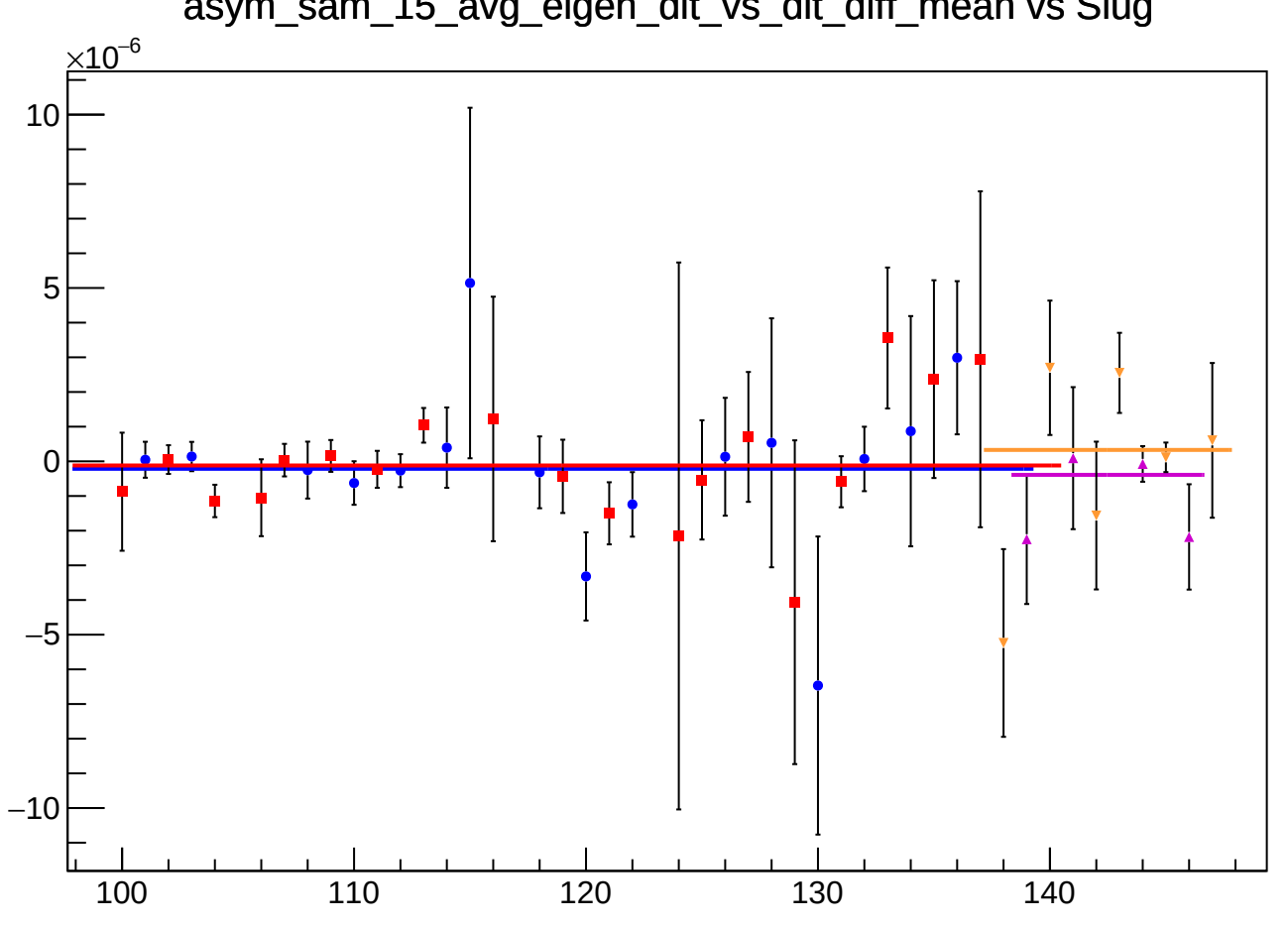
120
130
140
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 23.132+/-0.008 χ²/NDF:439588.2/5
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 22.533+/-0.009 χ²/NDF:25645.7/3
+ sign 17.940+/-0.004 χ²/NDF: 1936393.9/21
All: 17.977+/-0.003 χ²/NDF: 3157369.7/44
- sign 18.017+/-0.004 χ²/NDF: 1220798.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/5

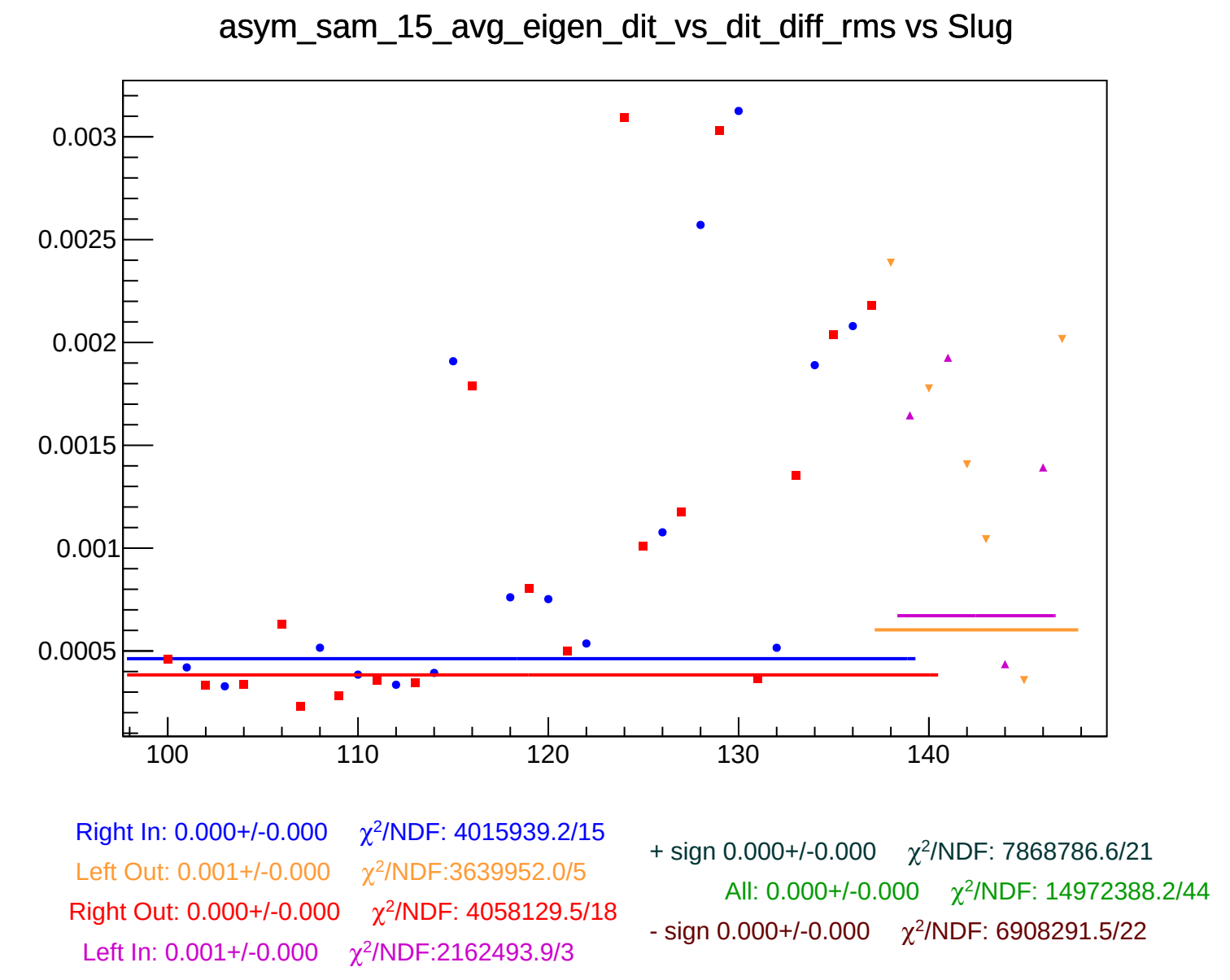
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

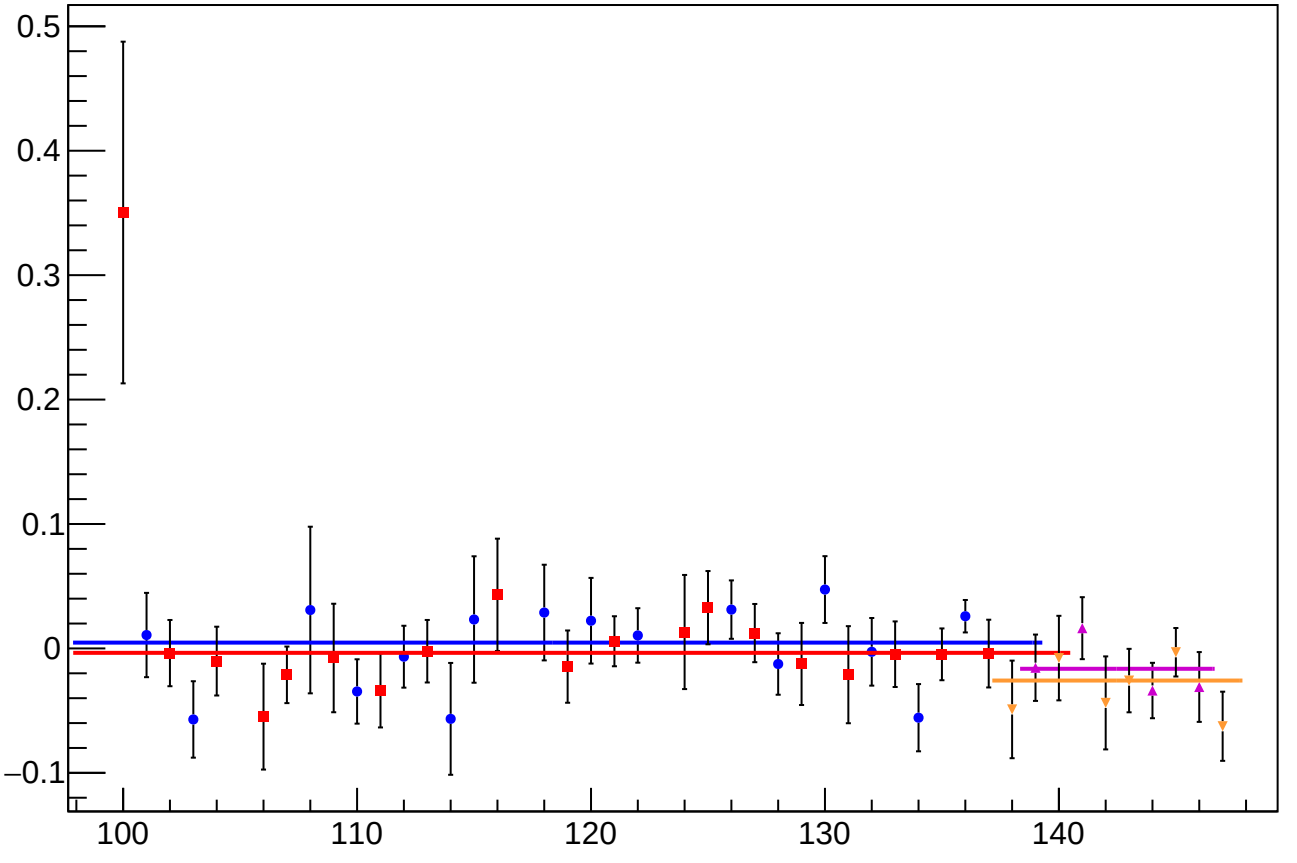
Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/21

All: -0.000+/-0.000 χ^2/NDF: 50.0/44

- sign -0.000+/-0.000 χ^2/NDF: 23.3/22


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
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3639952.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2162493.9/3
+ sign 0.000+/-0.000 χ²/NDF: 7868786.6/21
All: 0.000+/-0.000 χ²/NDF: 14972388.2/44
- sign 0.000+/-0.000 χ²/NDF: 6908291.5/22



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

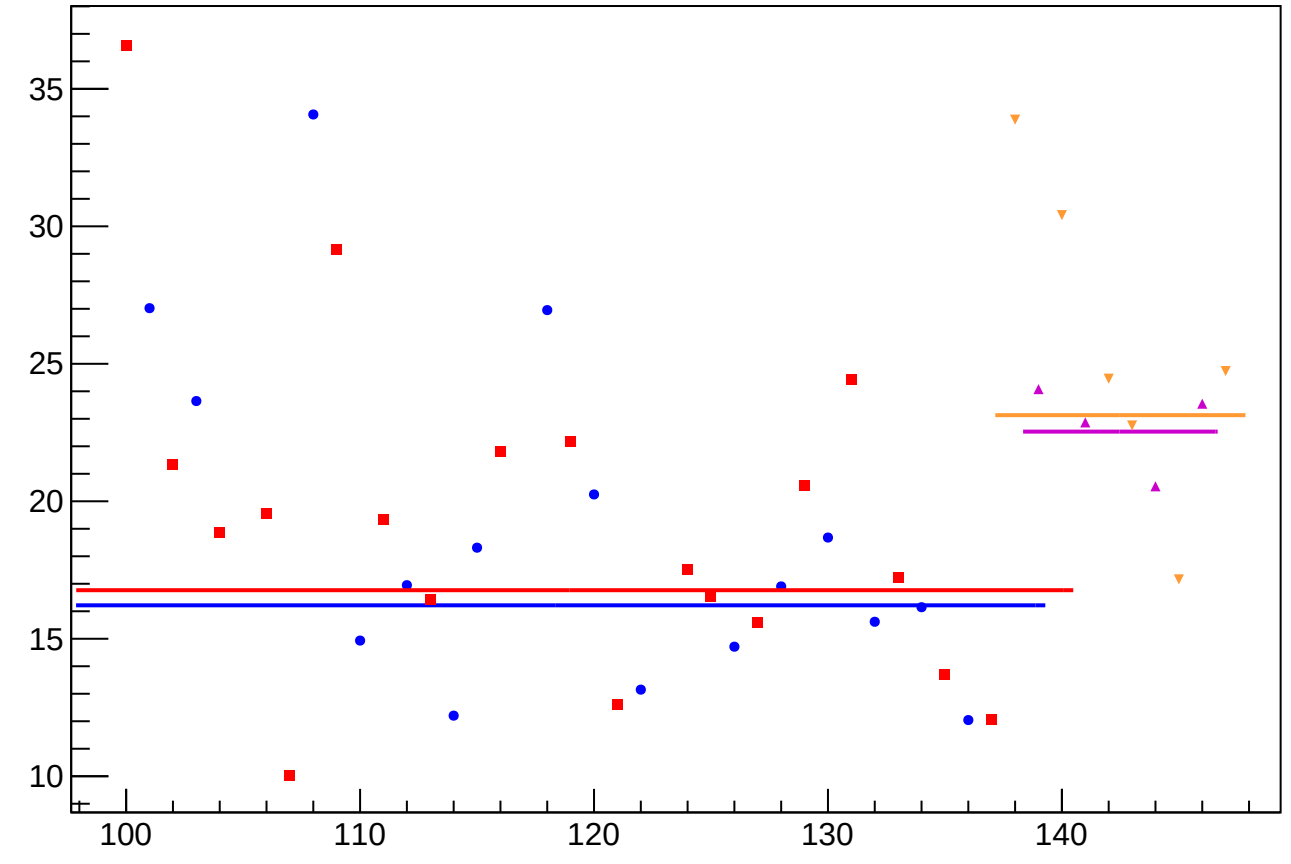
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.005+/-0.004 χ^2/NDF: 48.0/44

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 23.132+/-0.008 χ^2/NDF:439628.3/5

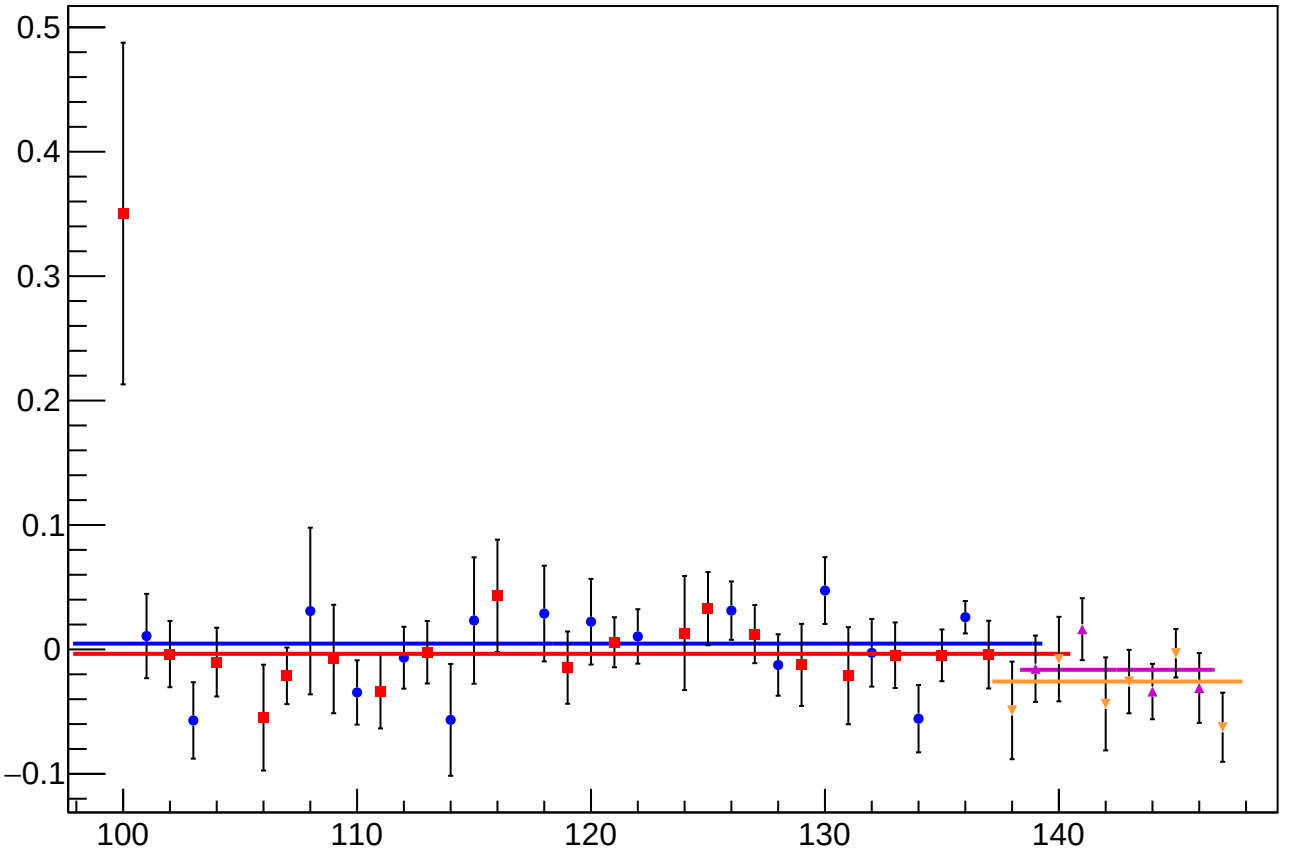
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

+ sign 17.940+/-0.004 χ^2/NDF: 1936462.2/21

All: 17.977+/-0.003 χ^2/NDF: 3157529.4/44

- sign 18.017+/-0.004 χ^2/NDF: 1220889.9/22



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

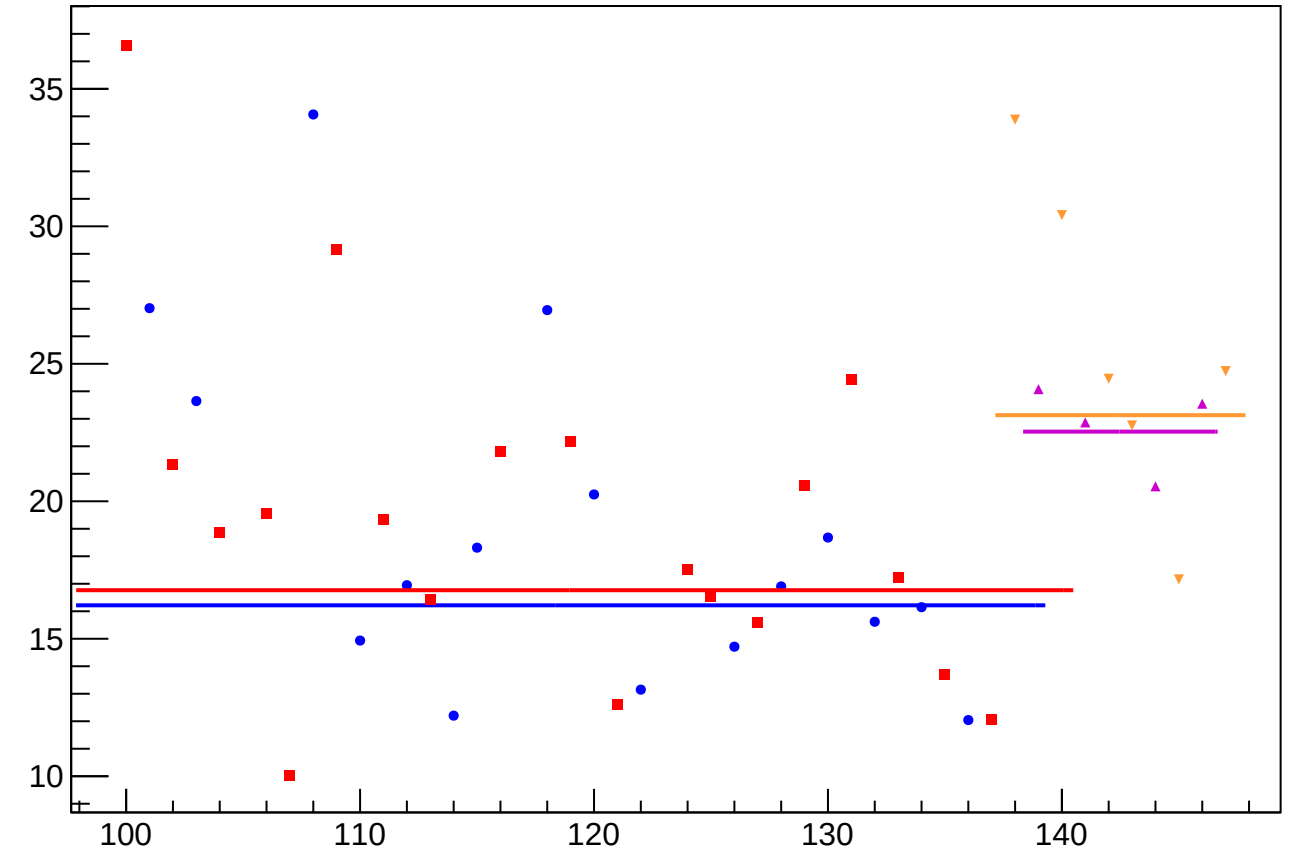
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.005+/-0.004 χ^2/NDF: 48.0/44

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 23.132+/-0.008 χ^2/NDF:439628.3/5

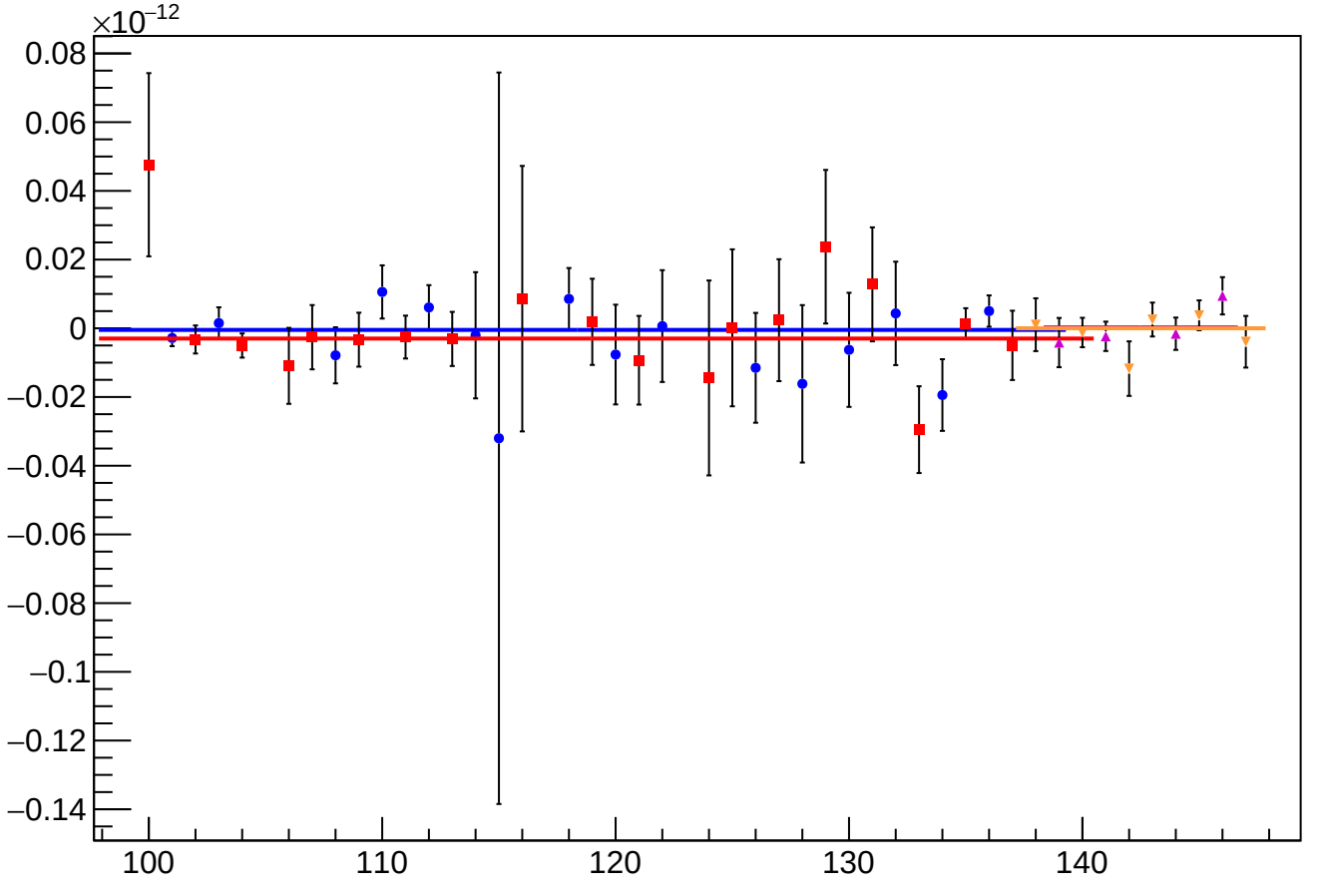
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

+ sign 17.940+/-0.004 χ^2/NDF: 1936462.2/21

All: 17.977+/-0.003 χ^2/NDF: 3157529.4/44

- sign 18.017+/-0.004 χ^2/NDF: 1220889.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

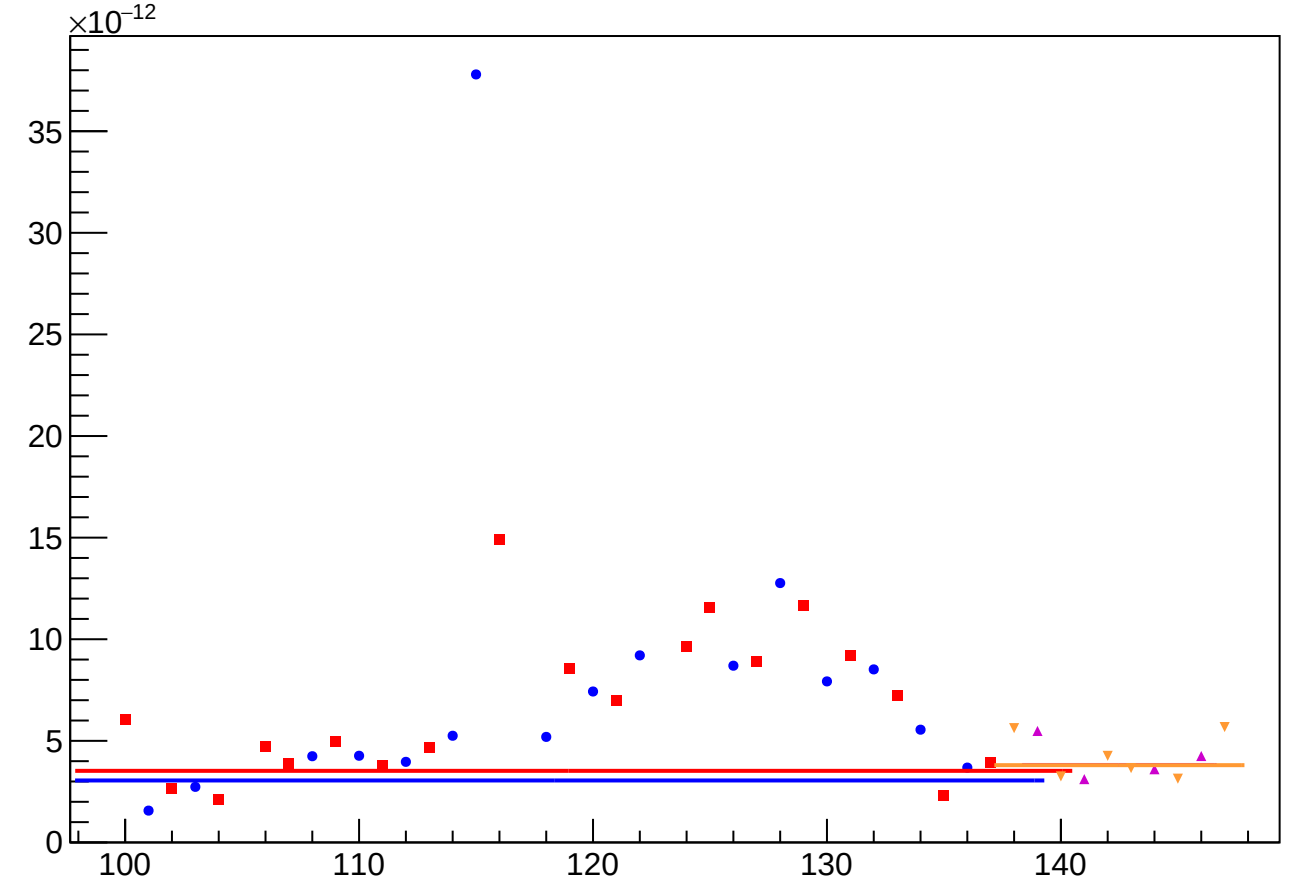
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.9/21

All: -0.000+/-0.000 χ^2/NDF: 34.5/44

- sign -0.000+/-0.000 χ^2/NDF: 17.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:325272.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

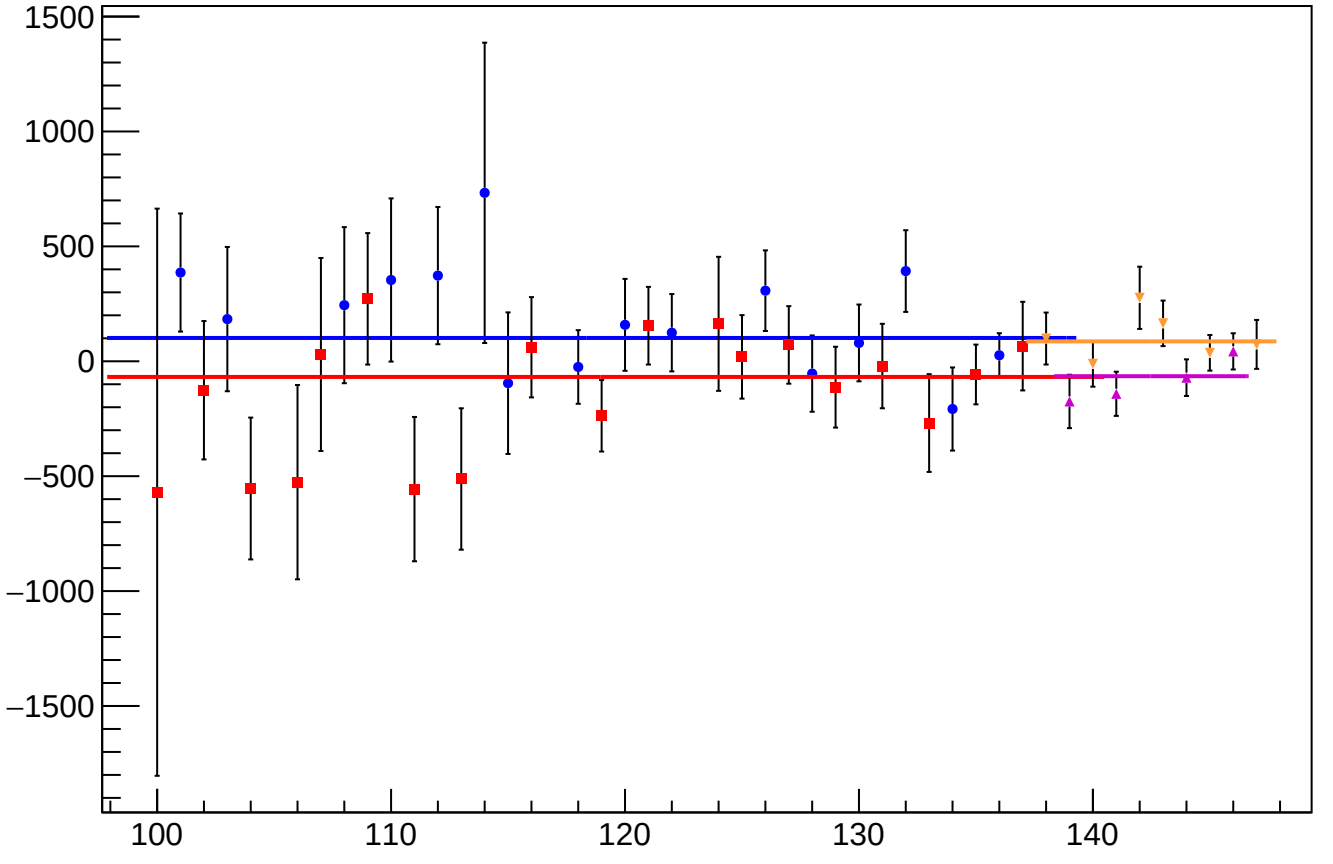
Left In: 0.000+/-0.000 χ^2/NDF:179305.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3409684.6/21

All: 0.000+/-0.000 χ^2/NDF: 6213630.9/44

- sign 0.000+/-0.000 χ^2/NDF: 2755537.0/22

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 86.471+/-41.143 χ^2/NDF:4.0/5

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

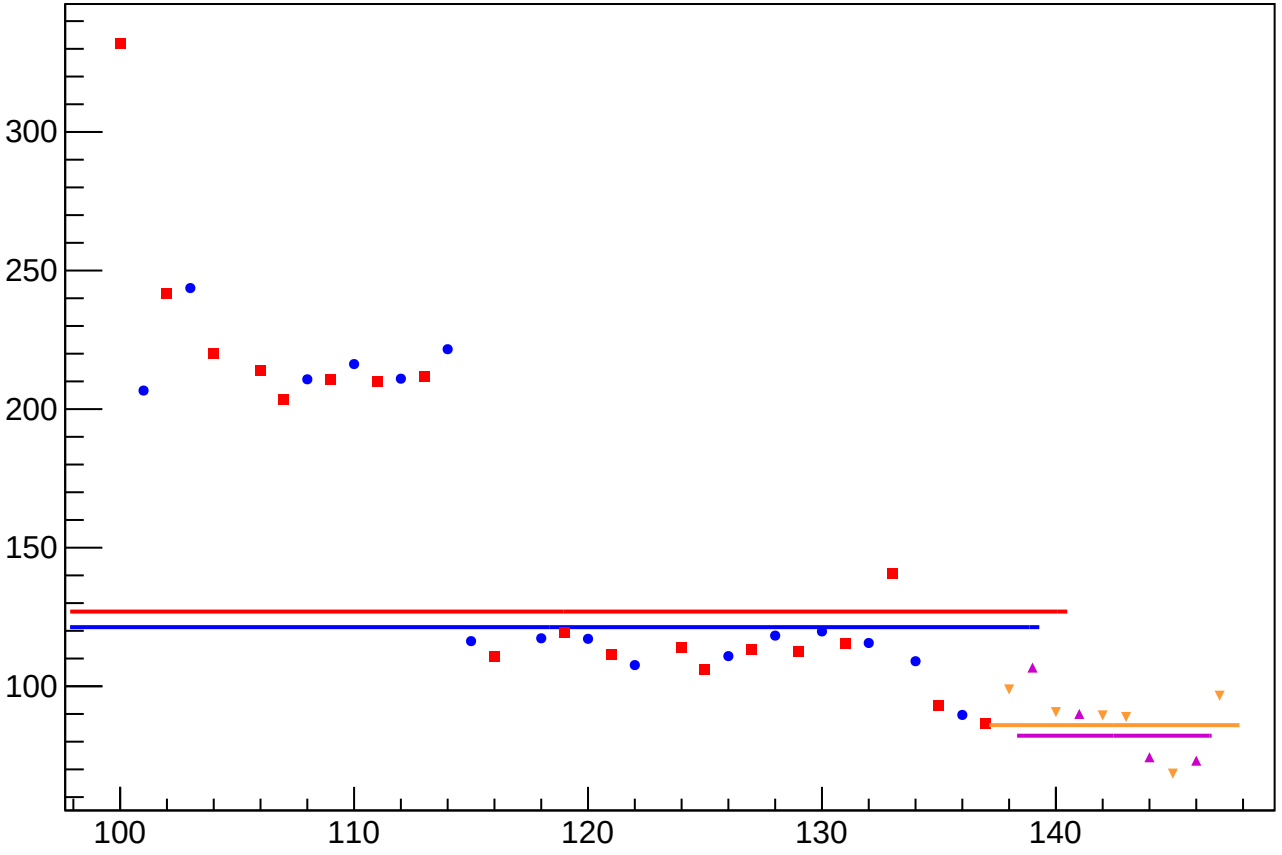
Left In: -64.999+/-44.688 χ^2/NDF:3.4/3

+ sign 92.876+/-31.135 χ^2/NDF: 17.4/21

All: 18.149+/-22.685 χ^2/NDF: 49.2/44

- sign -66.400+/-33.118 χ^2/NDF: 19.6/22

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

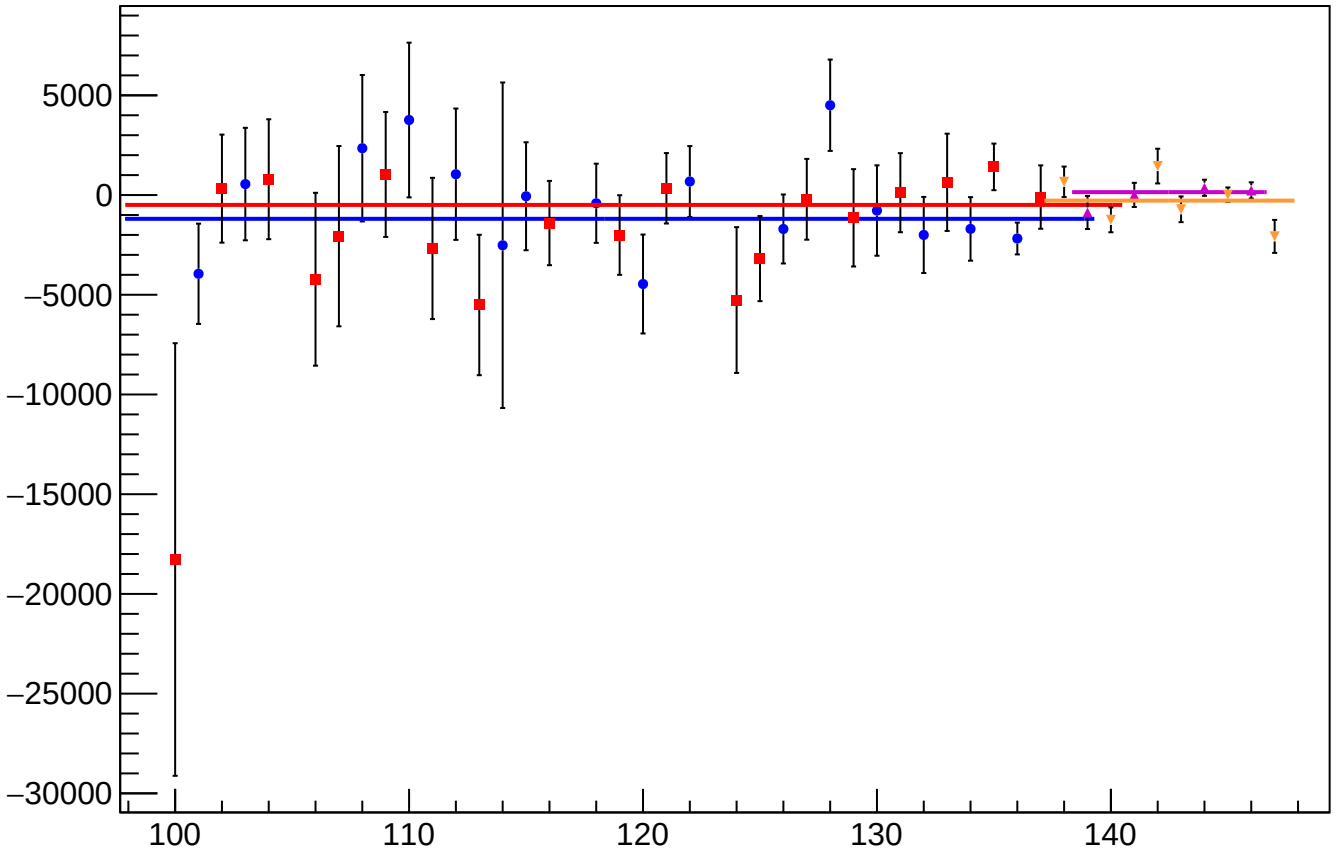
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.075+/-0.022 χ^2/NDF: 2073189.3/21

All: 101.671+/-0.016 χ^2/NDF: 4600019.0/44

- sign 102.345+/-0.023 χ^2/NDF: 2525268.9/22



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -278.737+/-241.833 χ^2/NDF:13.7/5

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

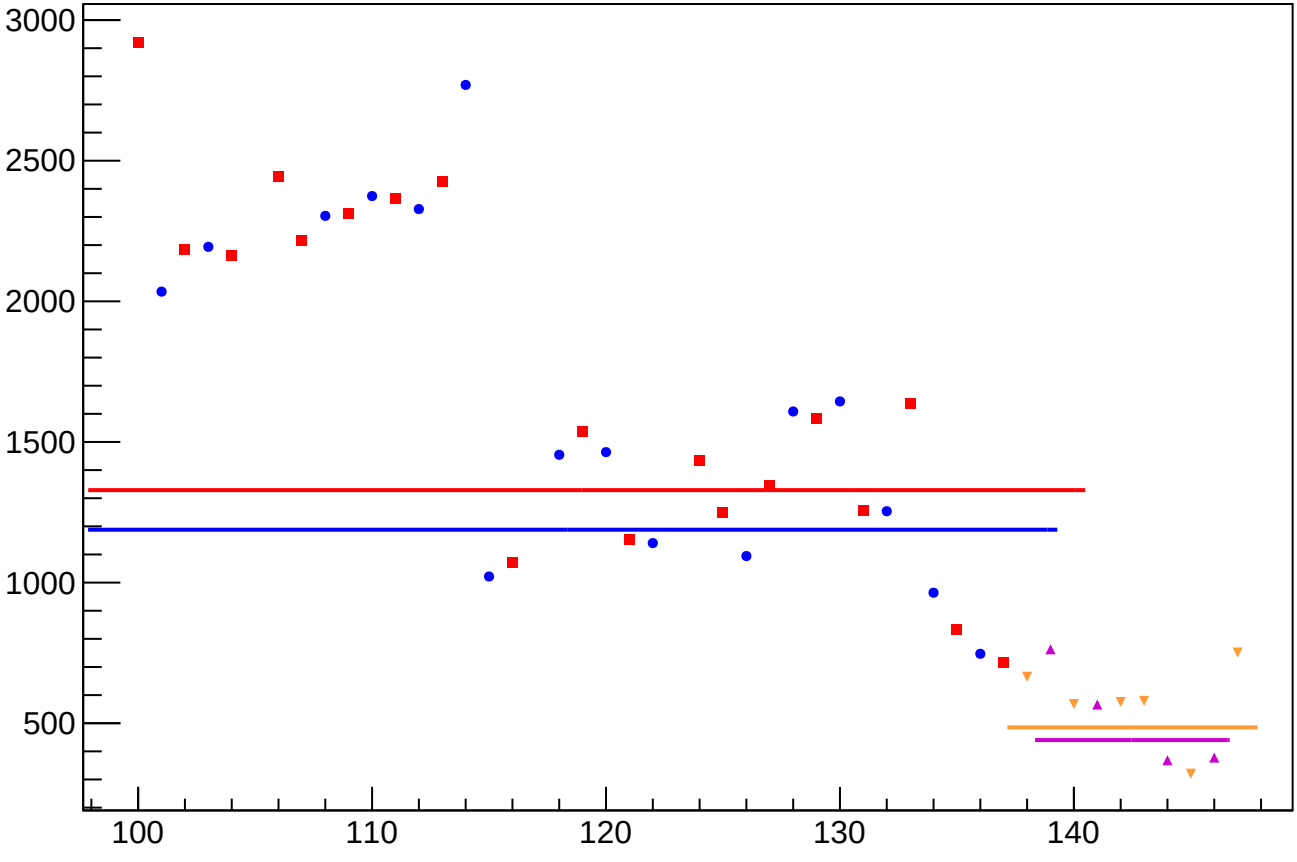
Left In: 145.851+/-247.526 χ^2/NDF:1.9/3

+ sign -464.330+/-215.871 χ^2/NDF: 32.5/21

All: -226.771+/-155.316 χ^2/NDF: 52.0/44

- sign 28.185+/-223.636 χ^2/NDF: 17.0/22

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 485.178+/-0.171 χ^2/NDF:830870.2/5

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

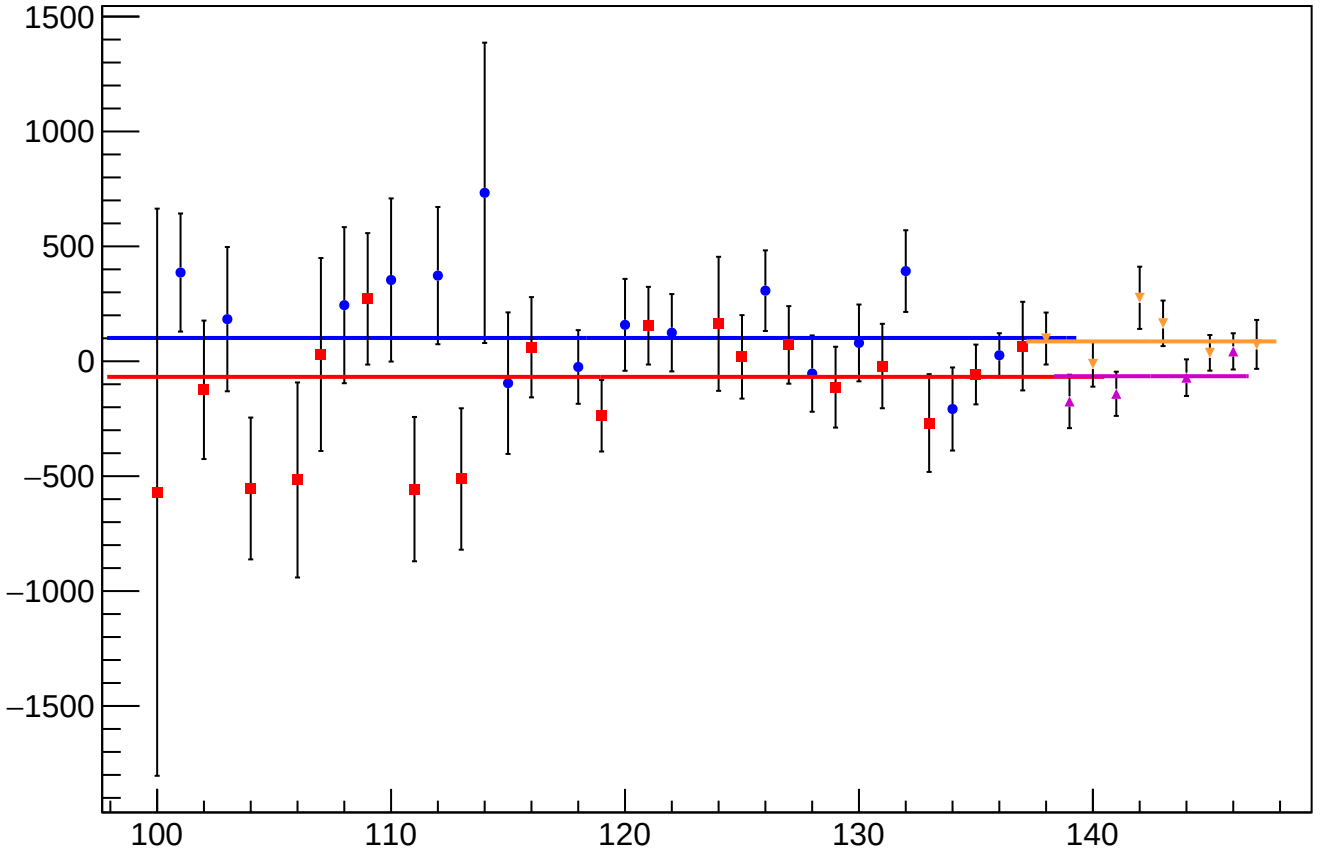
Left In: 440.184+/-0.175 χ^2/NDF:498901.6/3

\+ sign 627.993+/-0.153 χ^2/NDF: 6308403.3/21

All: 616.150+/-0.110 χ^2/NDF: 13513215.5/44

\- sign 603.440+/-0.158 χ^2/NDF: 7192331.9/22

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

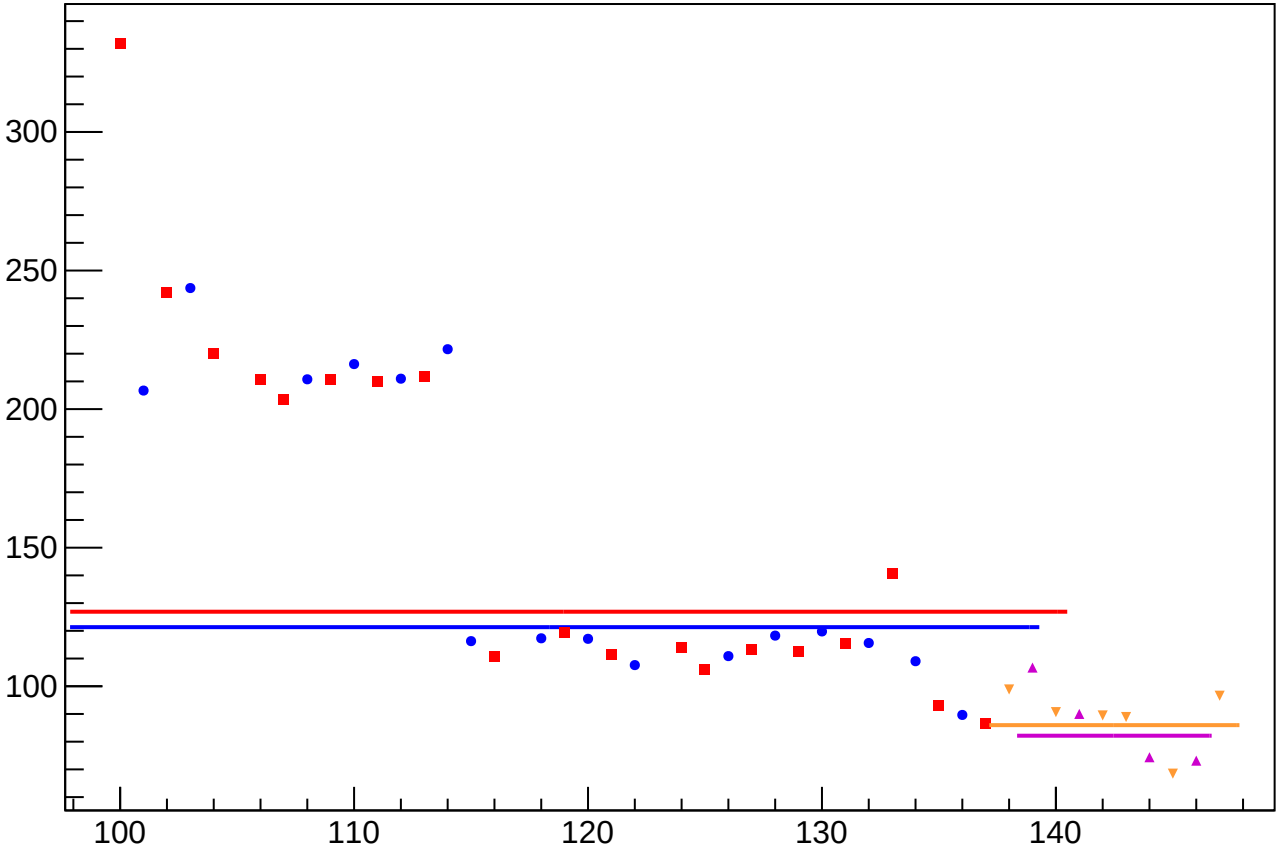
Left In: -65.002+/-44.688 χ^2/NDF:3.4/3

+ sign 92.871+/-31.135 χ^2/NDF: 17.4/21

All: 18.196+/-22.685 χ^2/NDF: 49.2/44

- sign -66.300+/-33.119 χ^2/NDF: 19.5/22

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

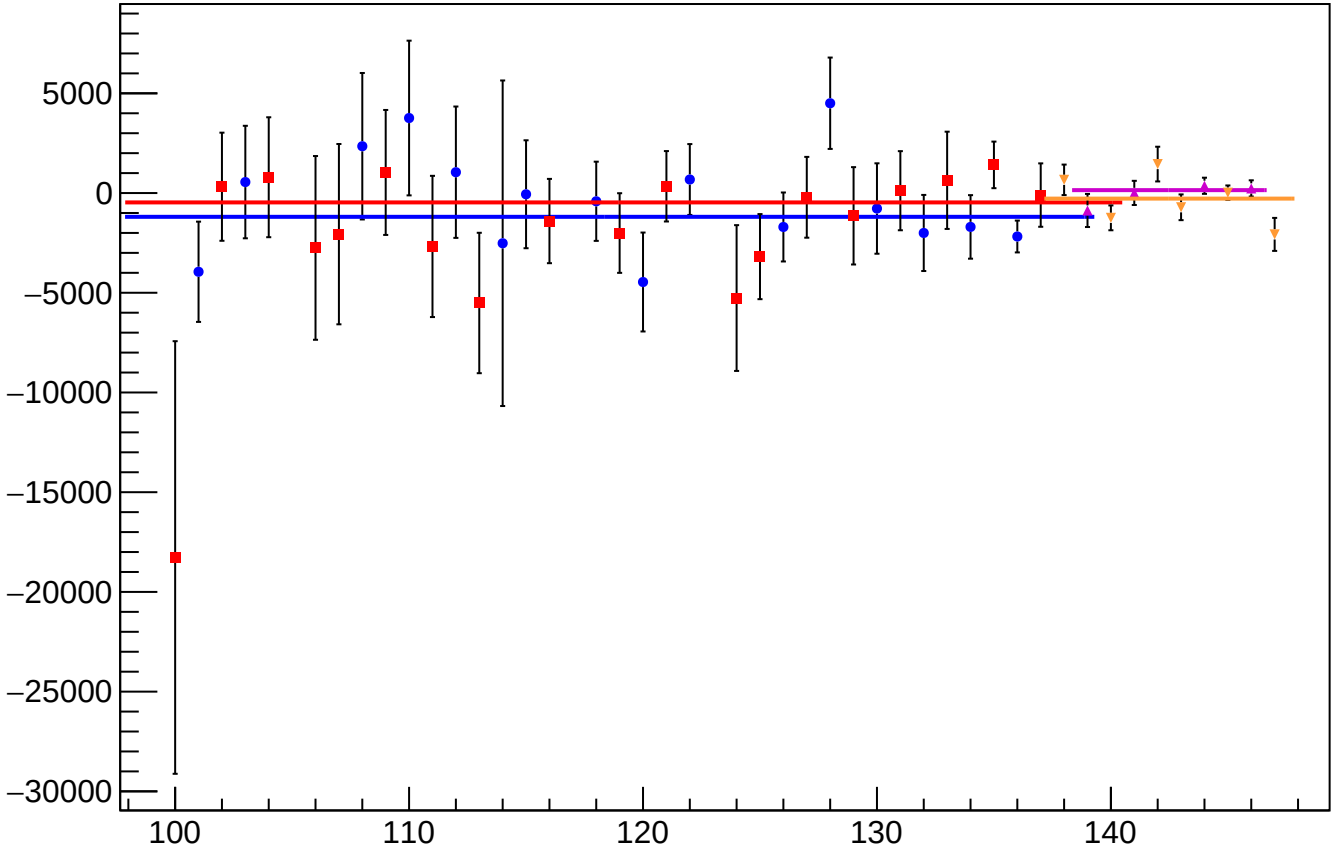
Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.075+/-0.022 χ^2/NDF: 2073191.7/21

All: 101.660+/-0.016 χ^2/NDF: 4591766.2/44

- sign 102.321+/-0.023 χ^2/NDF: 2517072.0/22

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -278.729+/-241.833 χ^2/NDF:13.7/5

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

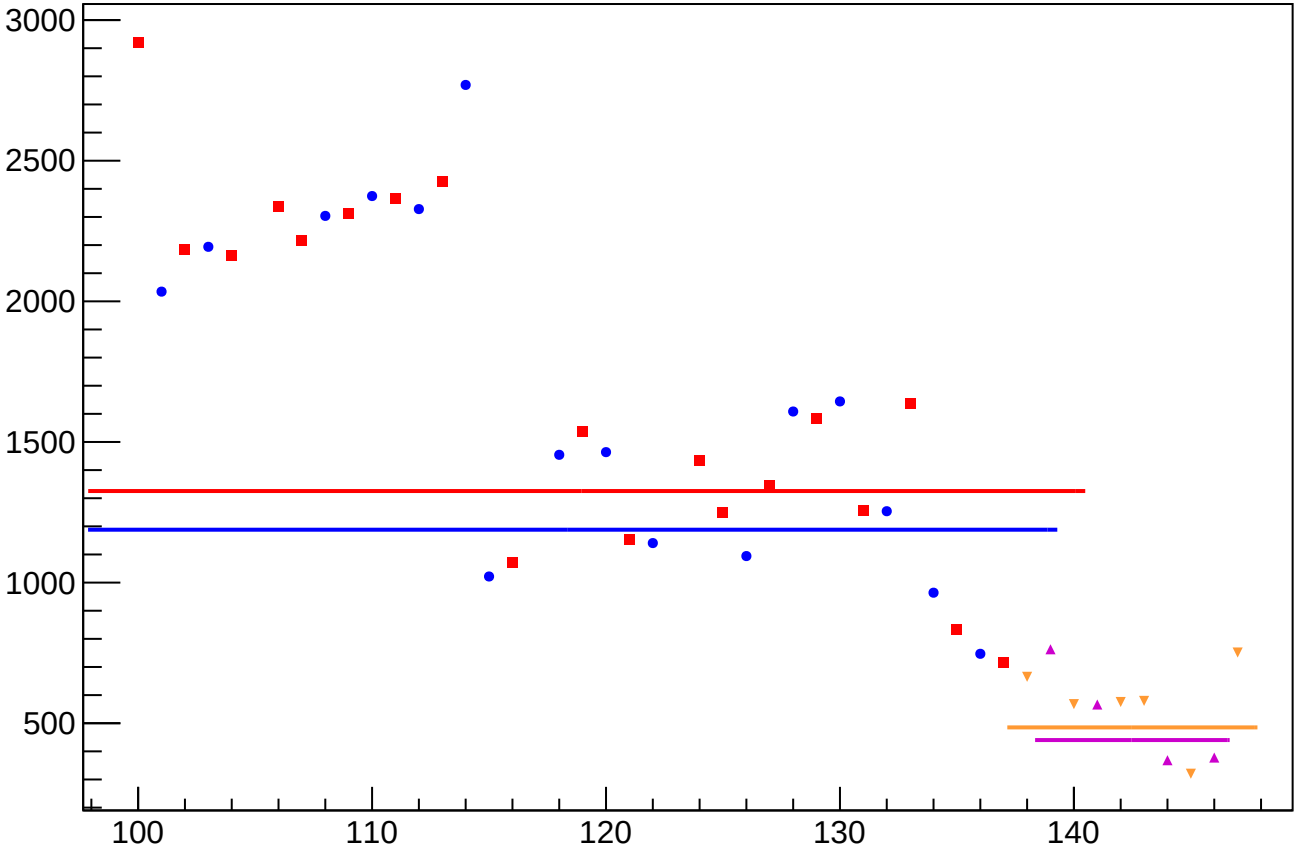
Left In: 145.843+/-247.526 χ^2/NDF:1.9/3

+ sign -464.318+/-215.871 χ^2/NDF: 32.5/21

All: -224.525+/-155.328 χ^2/NDF: 51.5/44

- sign 32.909+/-223.671 χ^2/NDF: 16.4/22

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

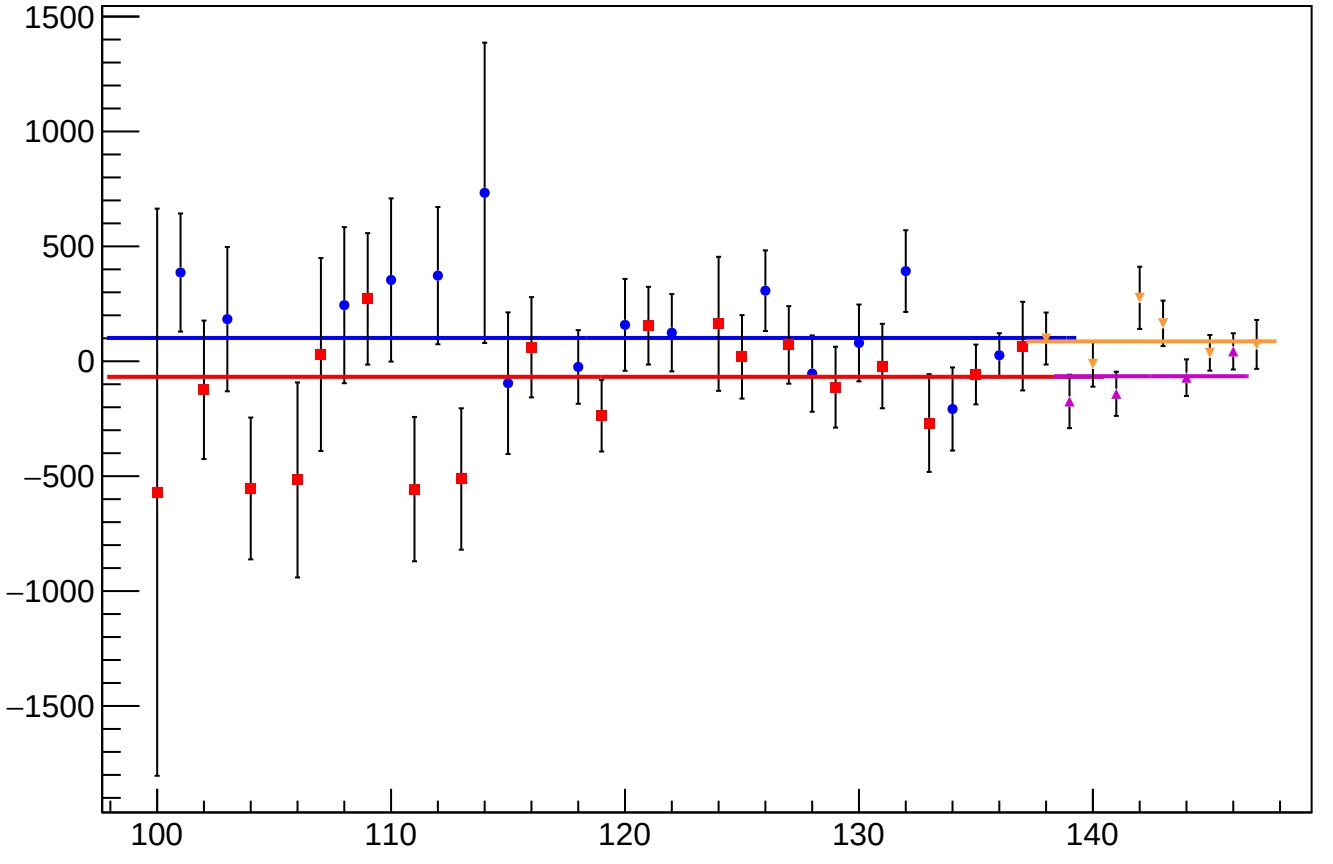
Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

+ sign 627.992+/-0.153 χ^2/NDF: 6308438.8/21

All: 615.754+/-0.110 χ^2/NDF: 13436154.9/44

- sign 602.614+/-0.158 χ^2/NDF: 7114386.2/22

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

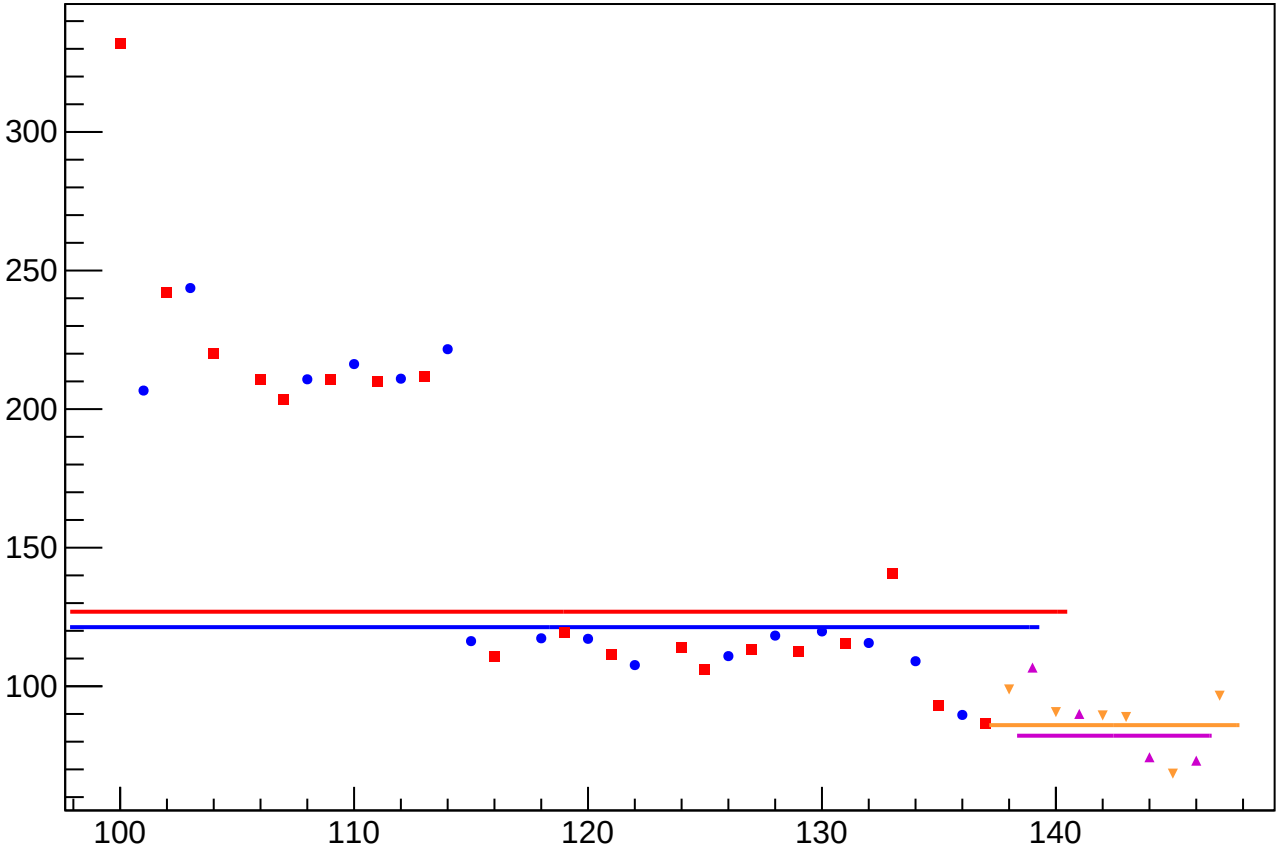
Left In: -65.002+/-44.688 χ^2/NDF:3.4/3

+ sign 92.871+/-31.135 χ^2/NDF: 17.4/21

All: 18.196+/-22.685 χ^2/NDF: 49.2/44

- sign -66.300+/-33.119 χ^2/NDF: 19.5/22

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

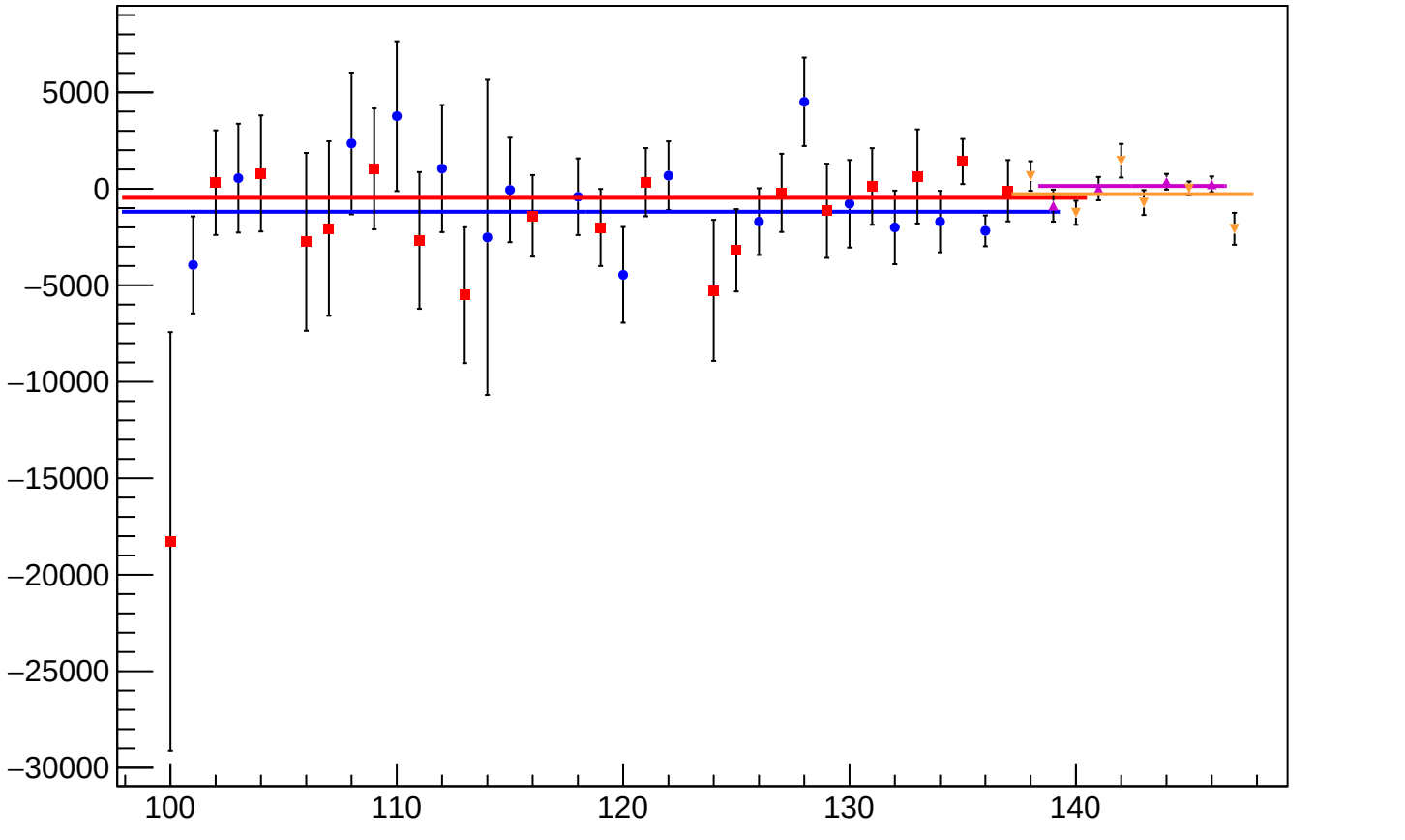
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.075+/-0.022 χ^2/NDF: 2073191.7/21

All: 101.660+/-0.016 χ^2/NDF: 4591766.2/44

- sign 102.321+/-0.023 χ^2/NDF: 2517072.0/22



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -278.729+/-241.833 χ^2/NDF:13.7/5

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

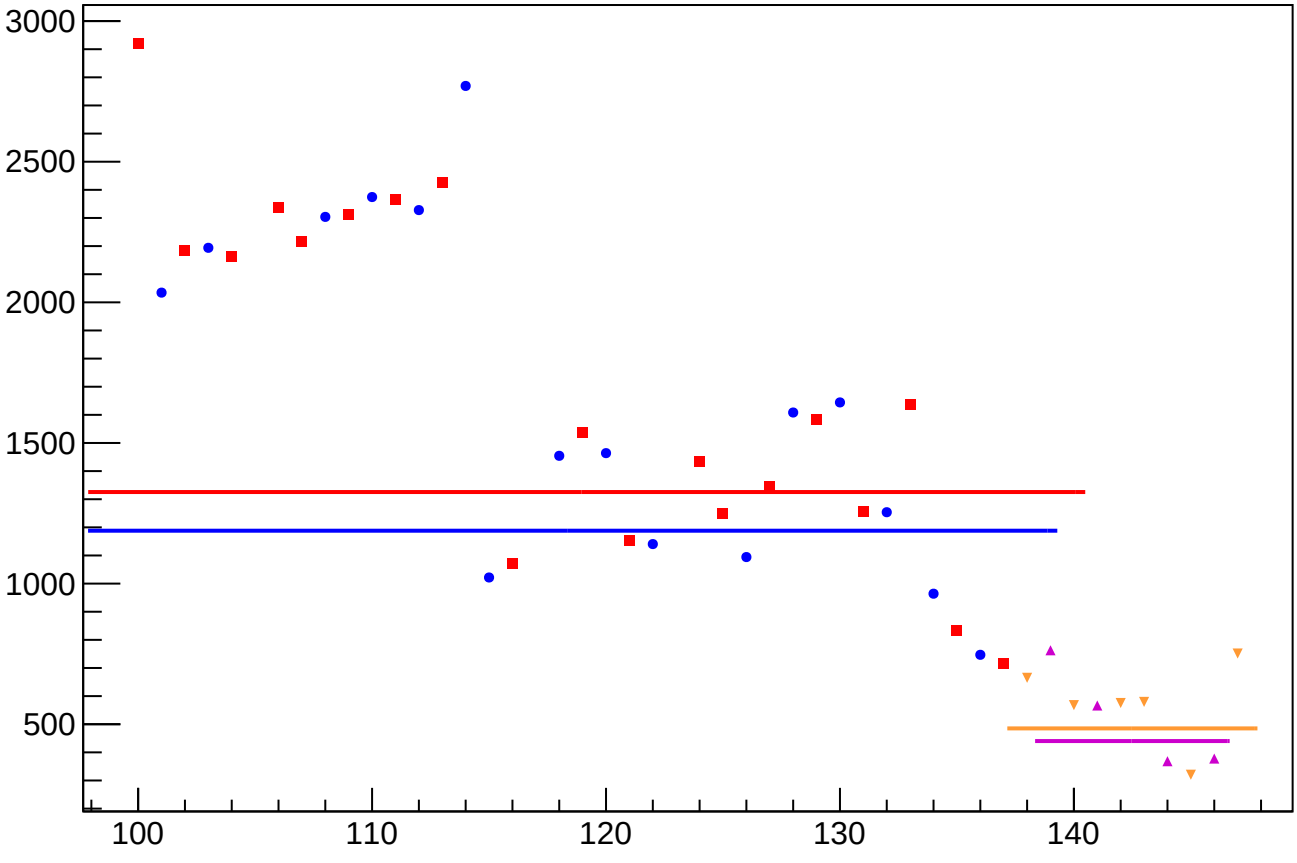
Left In: 145.843+/-247.526 χ^2/NDF:1.9/3

+ sign -464.318+/-215.871 χ^2/NDF: 32.5/21

All: -224.525+/-155.328 χ^2/NDF: 51.5/44

- sign 32.909+/-223.671 χ^2/NDF: 16.4/22

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

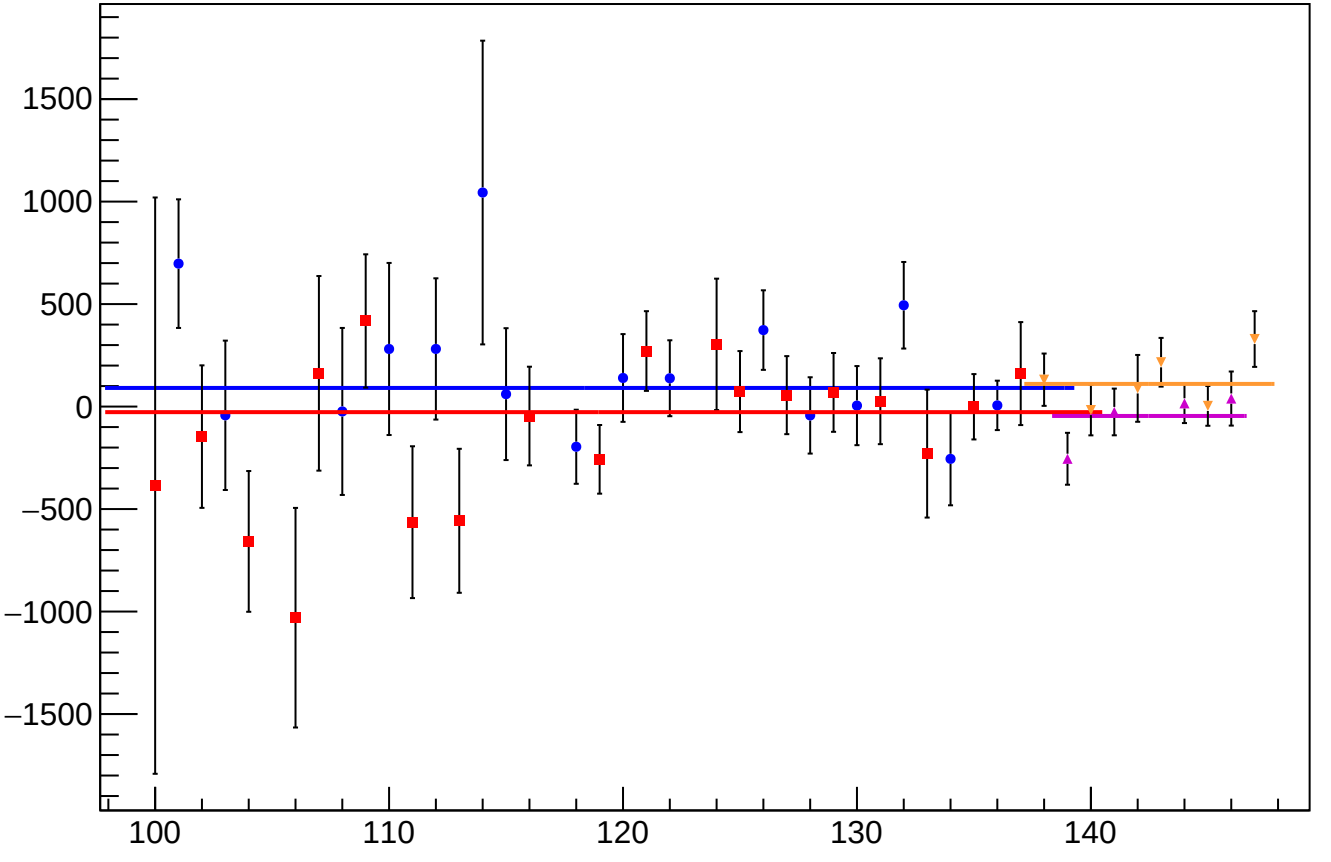
Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

+ sign 627.992+/-0.153 χ^2/NDF: 6308438.8/21

All: 615.754+/-0.110 χ^2/NDF: 13436154.9/44

- sign 602.614+/-0.158 χ^2/NDF: 7114386.2/22

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 110.553+/-50.253 χ^2/NDF:5.7/5

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

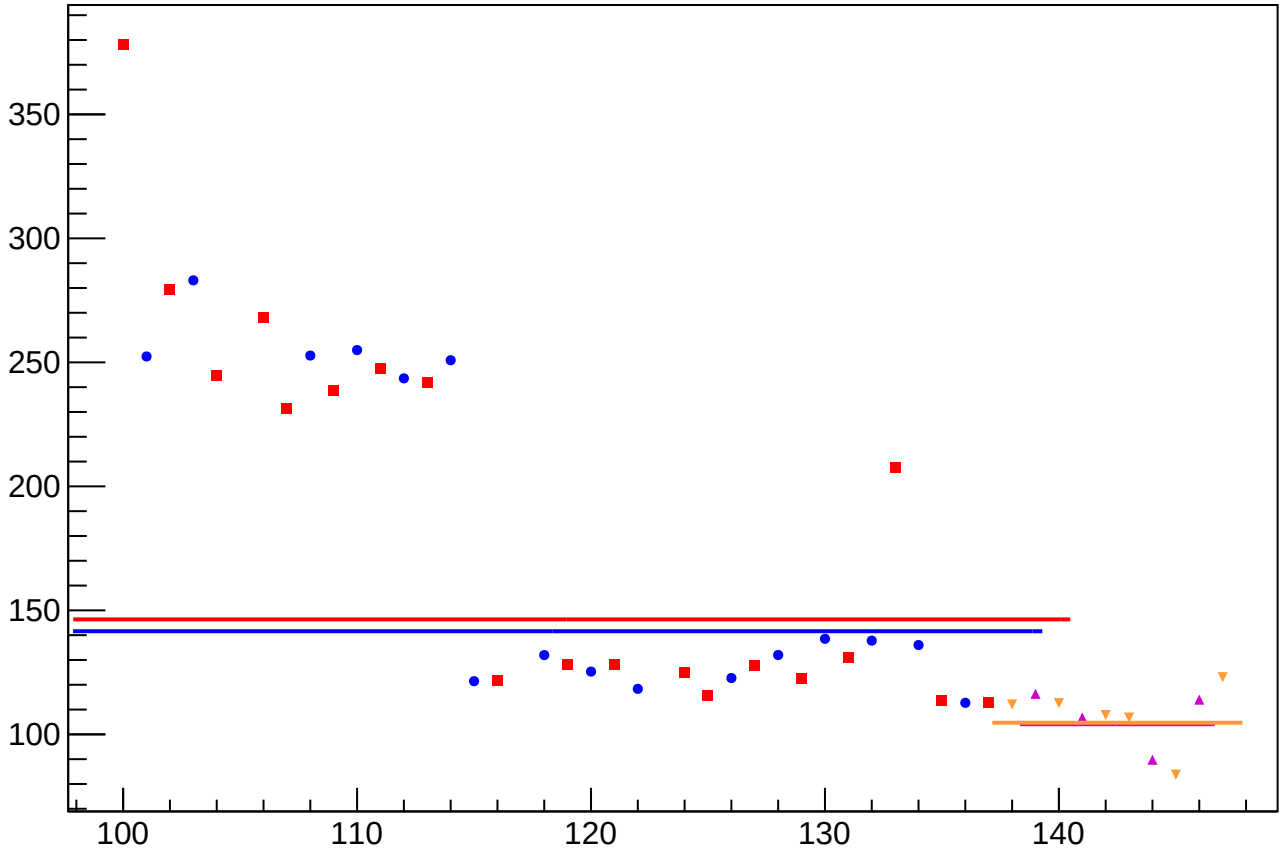
Left In: -45.788+/-57.266 χ^2/NDF:3.6/3

+ sign 101.714+/-37.271 χ^2/NDF: 23.9/21

All: 38.202+/-27.395 χ^2/NDF: 54.4/44

- sign -36.438+/-40.404 χ^2/NDF: 24.2/22

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.692+/-0.036 χ^2/NDF:145734.0/5

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

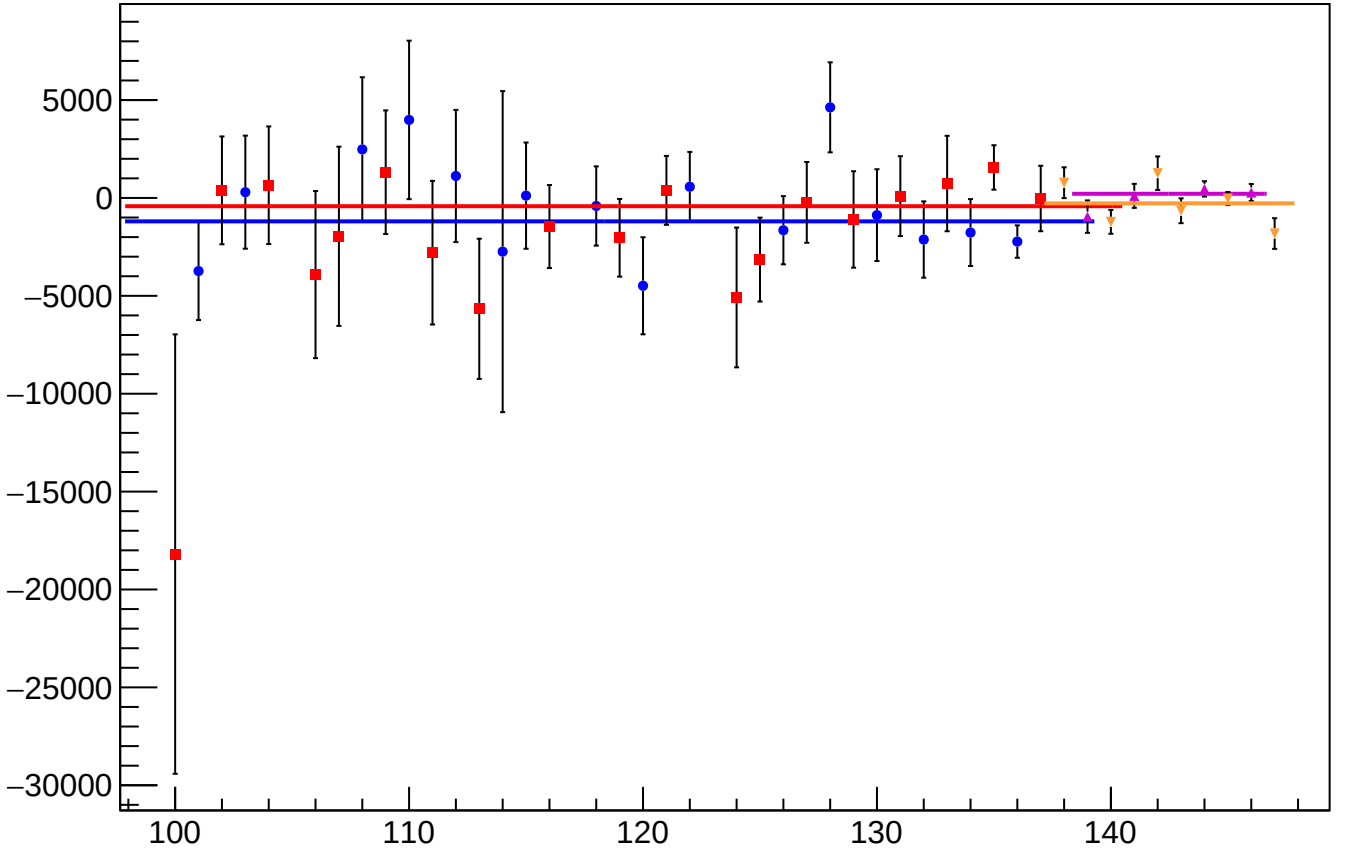
Left In: 104.089+/-0.040 χ^2/NDF:75492.2/3

+ sign 121.292+/-0.026 χ^2/NDF: 1893132.5/21

All: 123.144+/-0.019 χ^2/NDF: 4040504.0/44

- sign 125.322+/-0.029 χ^2/NDF: 2136622.4/22

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -275.695+/-230.854 χ^2/NDF:12.2/5

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

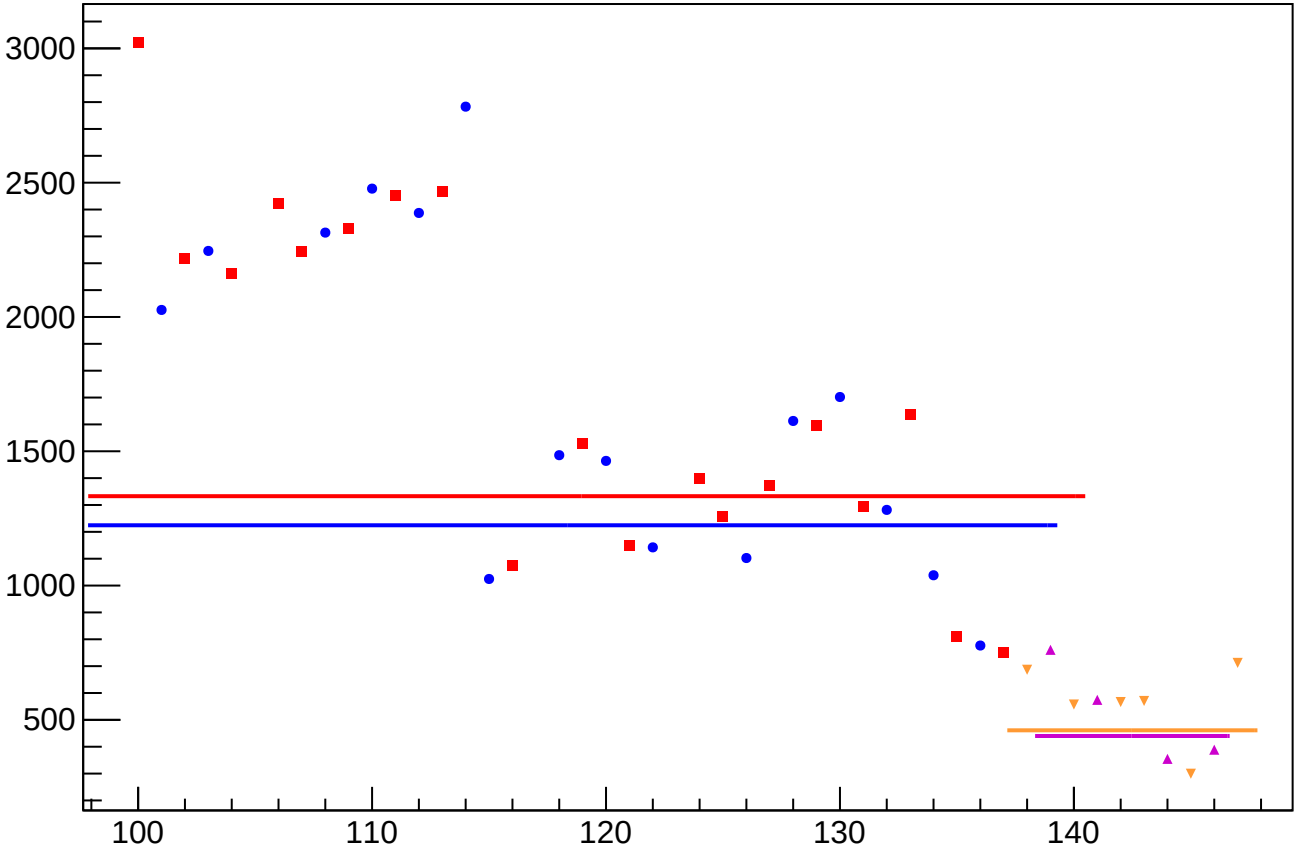
Left In: 212.932+/-250.467 χ^2/NDF:2.5/3

+ sign -442.214+/-208.944 χ^2/NDF: 31.1/21

All: -194.713+/-153.411 χ^2/NDF: 52.0/44

- sign 94.754+/-225.966 χ^2/NDF: 17.9/22

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 461.078+/-0.163 χ^2/NDF:977869.5/5

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

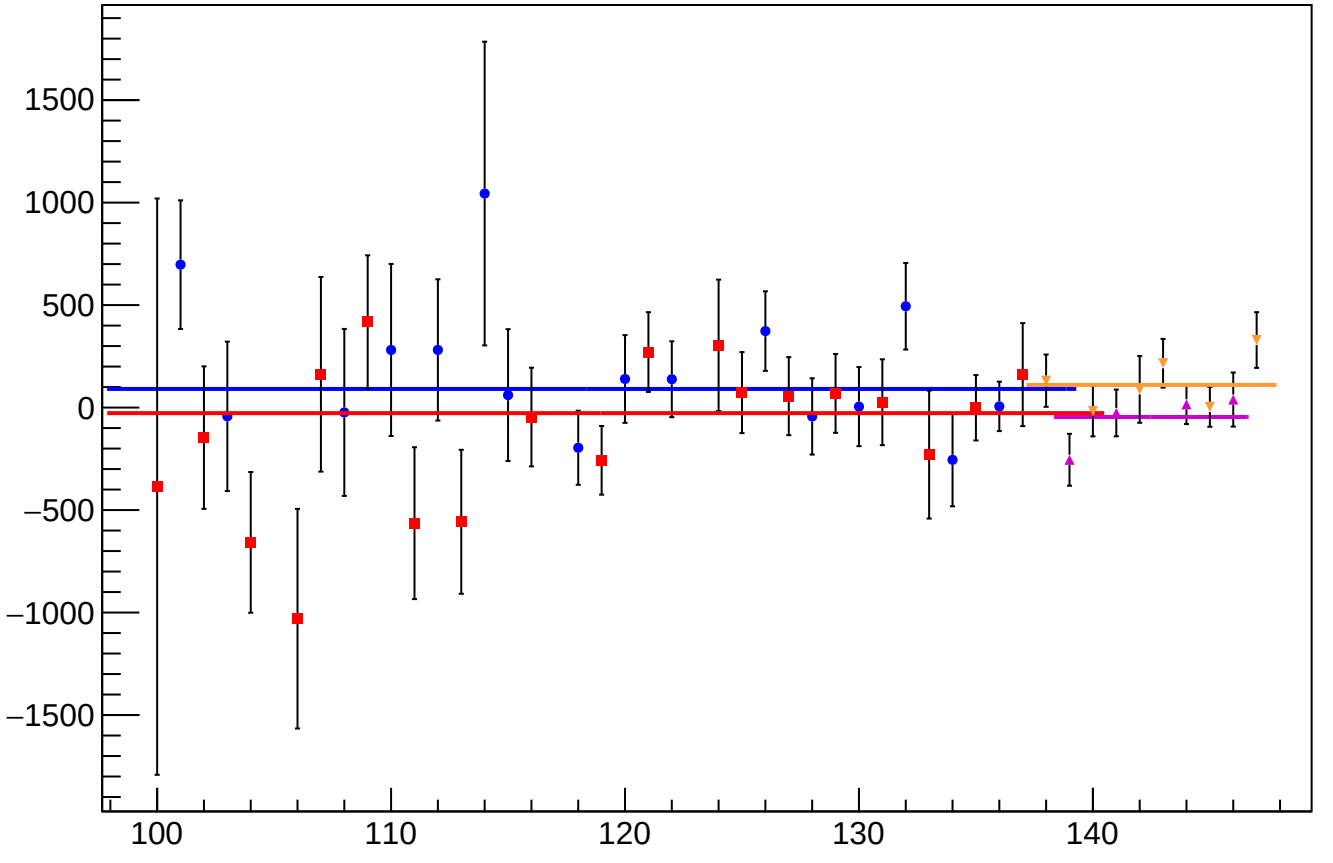
Left In: 439.968+/-0.177 χ^2/NDF:519028.0/3

+ sign 599.106+/-0.148 χ^2/NDF: 6891517.7/21

All: 602.331+/-0.108 χ^2/NDF: 14135178.3/44

- sign 606.102+/-0.160 χ^2/NDF: 7242627.2/22

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 110.551+/-50.253 χ^2/NDF:5.7/5

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

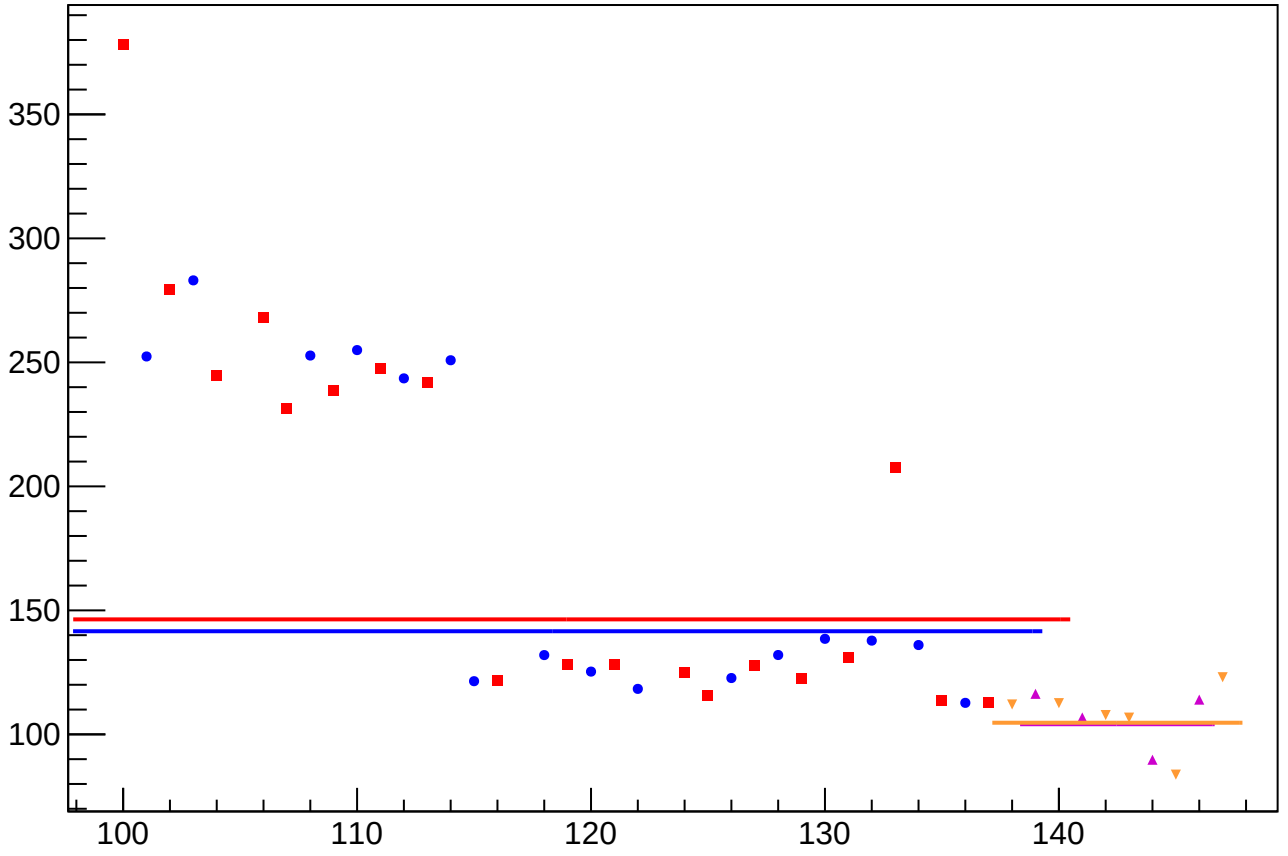
Left In: -45.788+/-57.267 χ^2/NDF:3.6/3

+ sign 101.714+/-37.271 χ^2/NDF: 23.9/21

All: 38.202+/-27.395 χ^2/NDF: 54.4/44

- sign -36.438+/-40.404 χ^2/NDF: 24.2/22

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 104.693+/-0.036 χ^2/NDF:145724.9/5

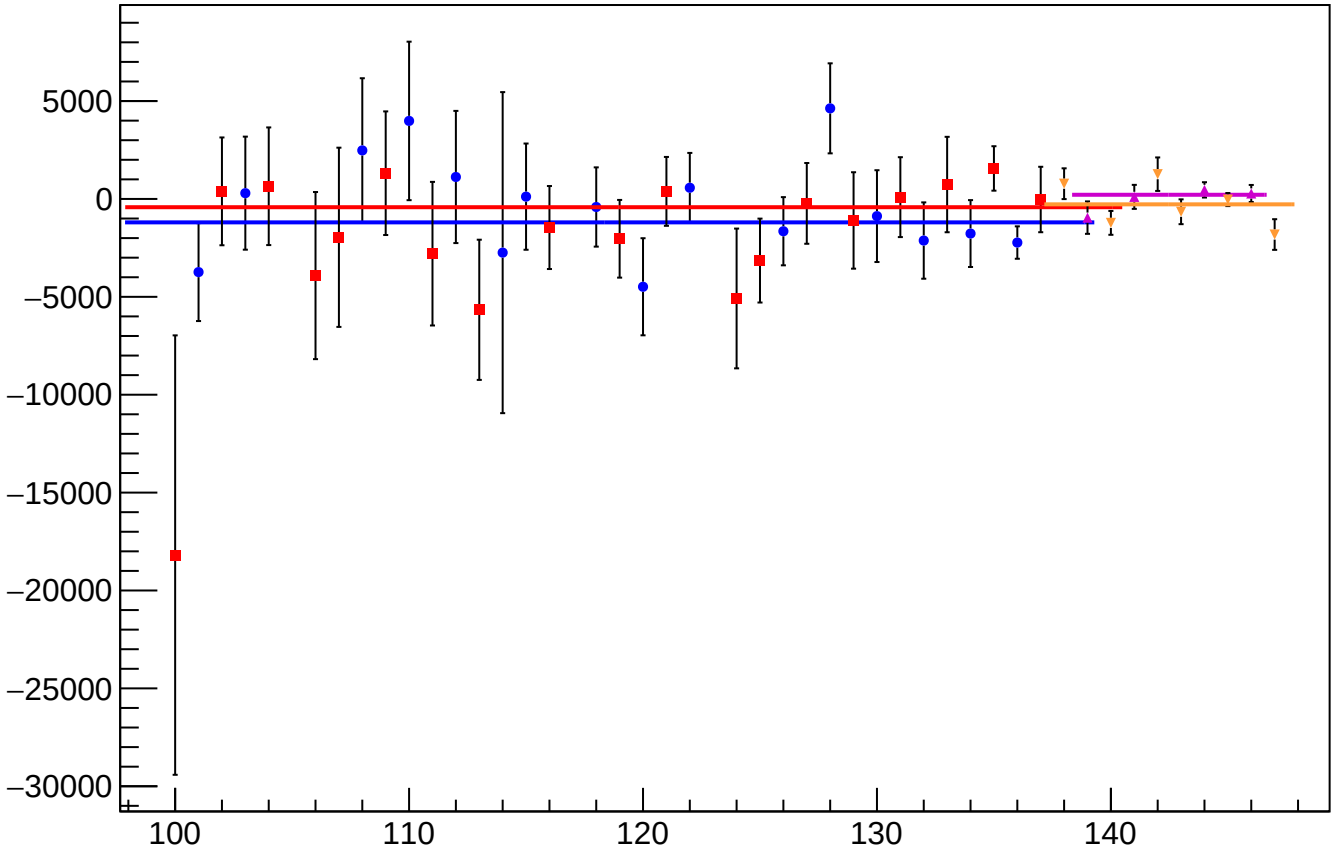
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 104.090+/-0.040 χ^2/NDF:75489.1/3

+ sign 121.292+/-0.026 χ^2/NDF: 1893075.8/21

All: 123.145+/-0.019 χ^2/NDF: 4040406.4/44

- sign 125.322+/-0.029 χ^2/NDF: 2136581.1/22



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -275.695+/-230.853 χ^2/NDF:12.2/5

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

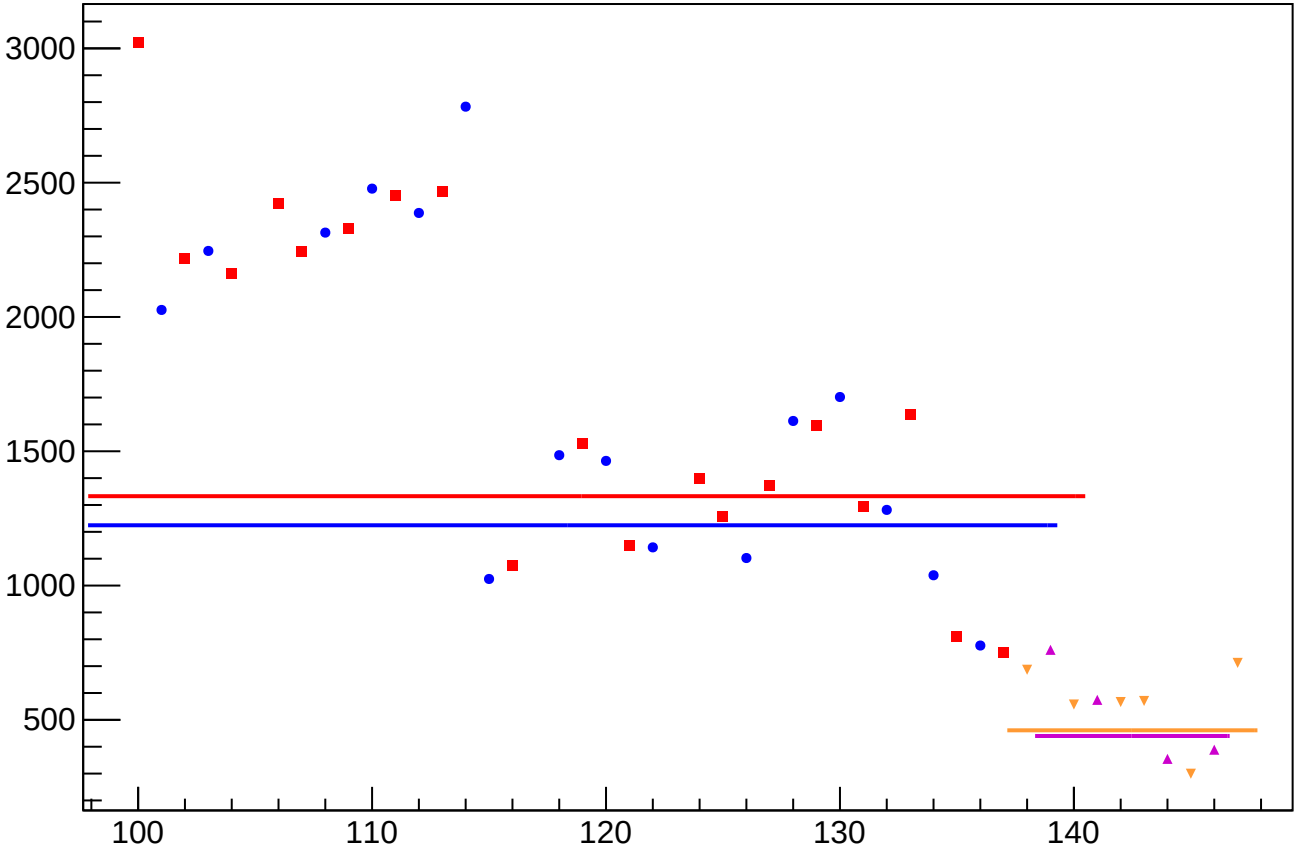
Left In: 212.931+/-250.467 χ^2/NDF:2.5/3

+ sign -442.212+/-208.944 χ^2/NDF: 31.1/21

All: -194.713+/-153.410 χ^2/NDF: 52.0/44

- sign 94.754+/-225.965 χ^2/NDF: 17.9/22

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 461.076+/-0.163 χ^2/NDF:977893.0/5

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

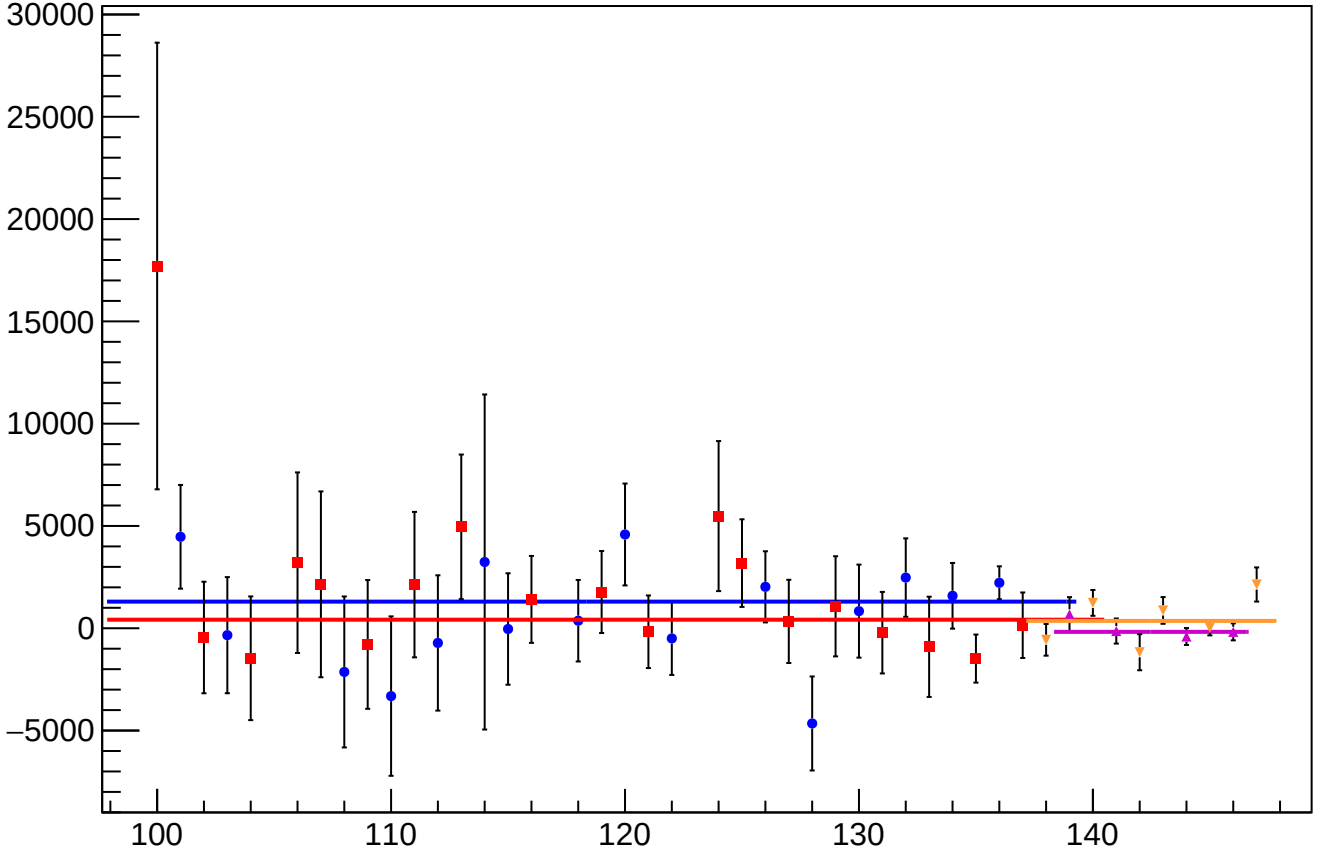
Left In: 439.966+/-0.177 χ^2/NDF:519030.8/3

+ sign 599.103+/-0.148 χ^2/NDF: 6891556.4/21

All: 602.328+/-0.108 χ^2/NDF: 14135224.8/44

- sign 606.100+/-0.160 χ^2/NDF: 7242634.6/22

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.804+/-245.987 χ^2/NDF:12.4/5

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

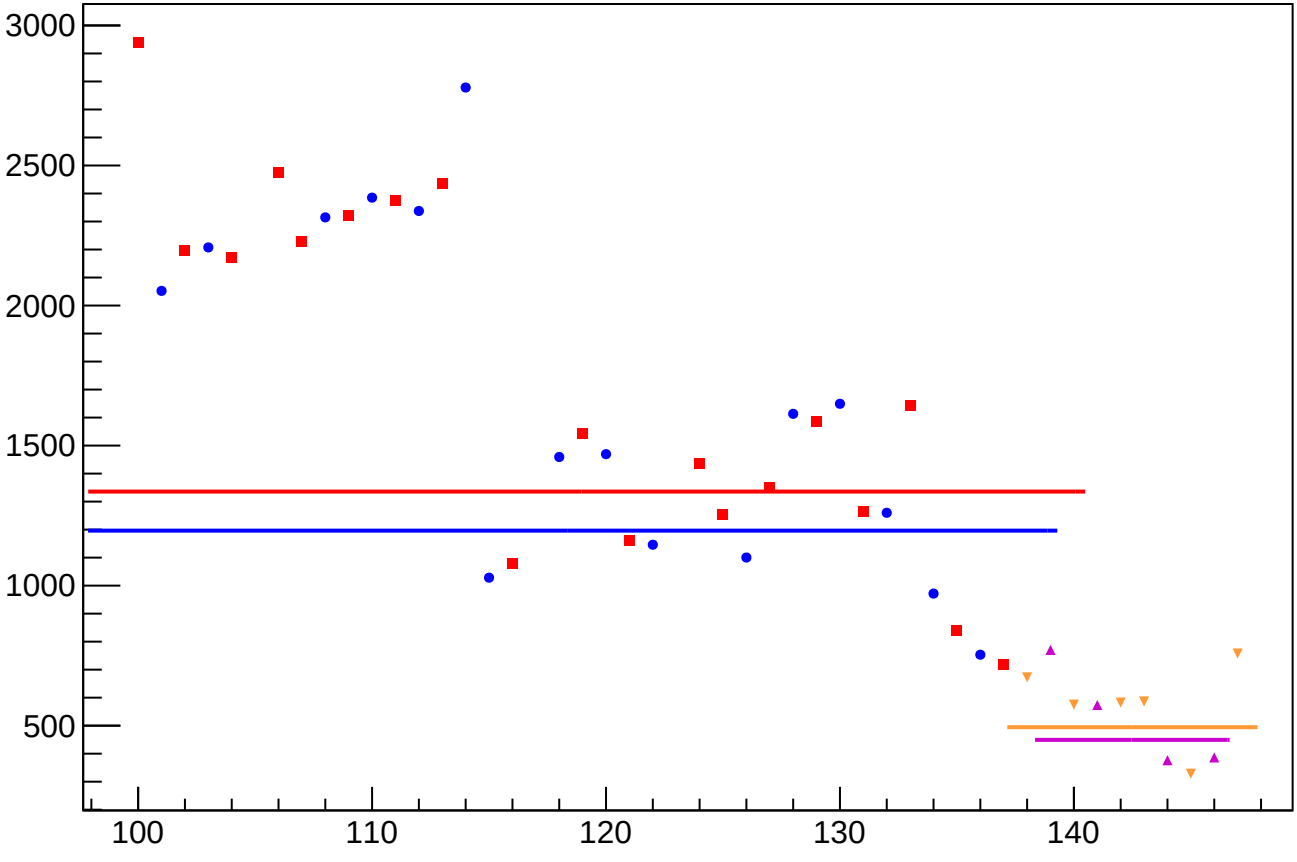
Left In: -176.127+/-252.265 χ^2/NDF:1.4/3

+ sign 554.443+/-219.099 χ^2/NDF: 31.9/21

All: 256.408+/-157.759 χ^2/NDF: 51.2/44

- sign -64.463+/-227.338 χ^2/NDF: 15.4/22

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 494.563+/-0.174 χ^2/NDF:798104.3/5

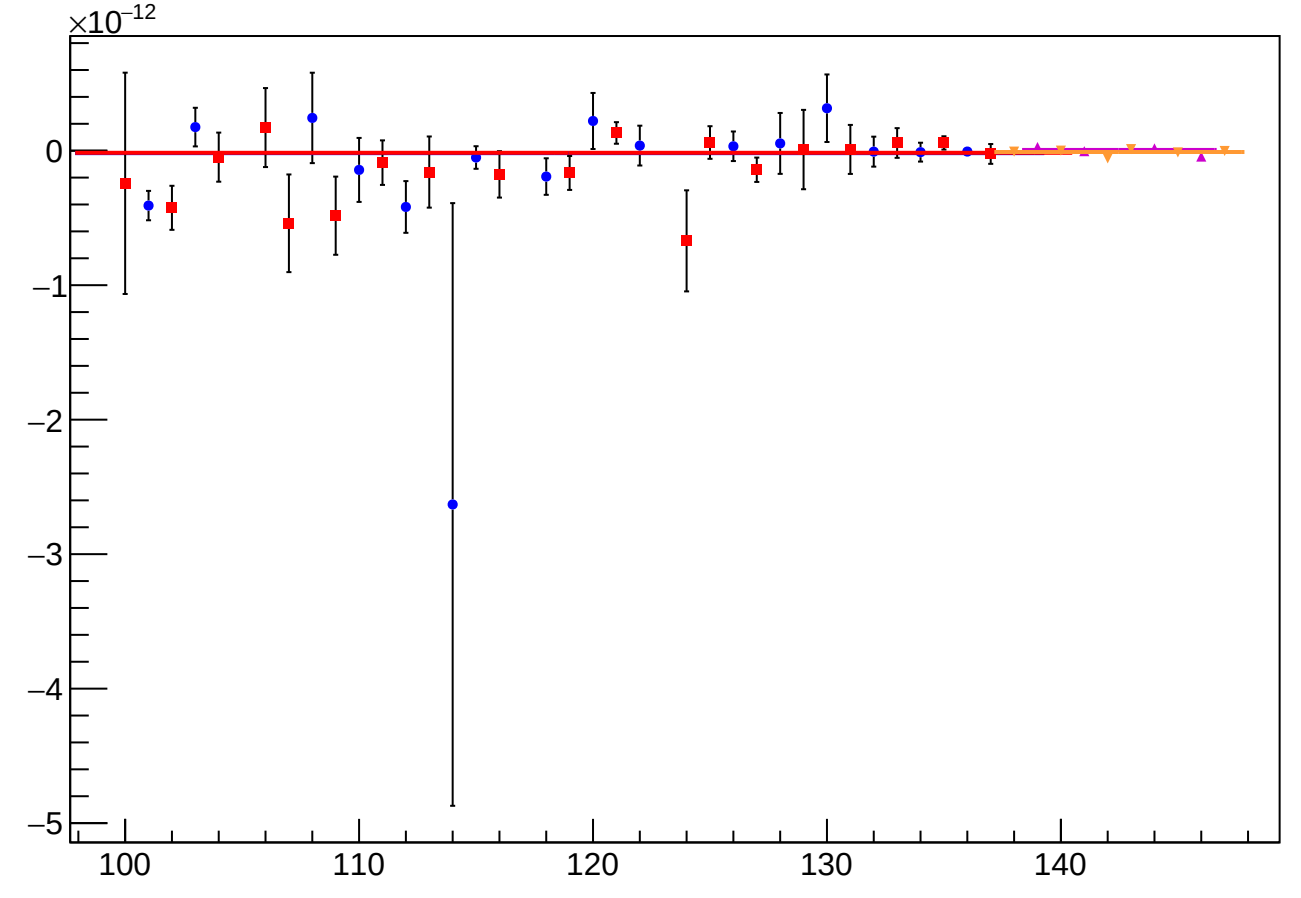
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 449.315+/-0.178 χ^2/NDF:483193.8/3

+ sign 639.597+/-0.155 χ^2/NDF: 6194020.5/21

All: 628.161+/-0.112 χ^2/NDF: 13279785.5/44

- sign 615.849+/-0.161 χ^2/NDF: 7074450.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

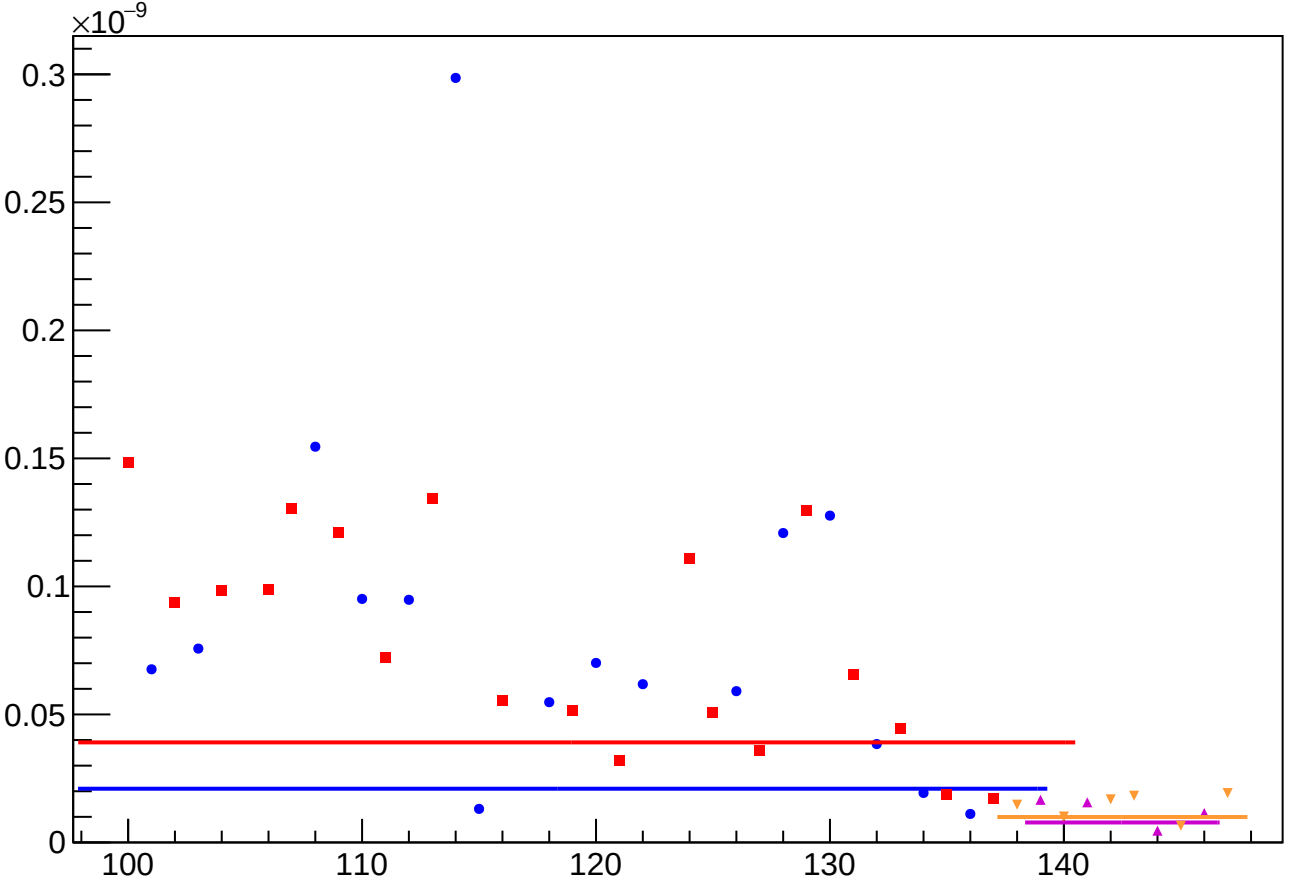
Left In: 0.000+/-0.000 χ^2/NDF:9.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/21

All: -0.000+/-0.000 χ^2/NDF: 67.6/44

- sign 0.000+/-0.000 χ^2/NDF: 35.8/22

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:649019.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

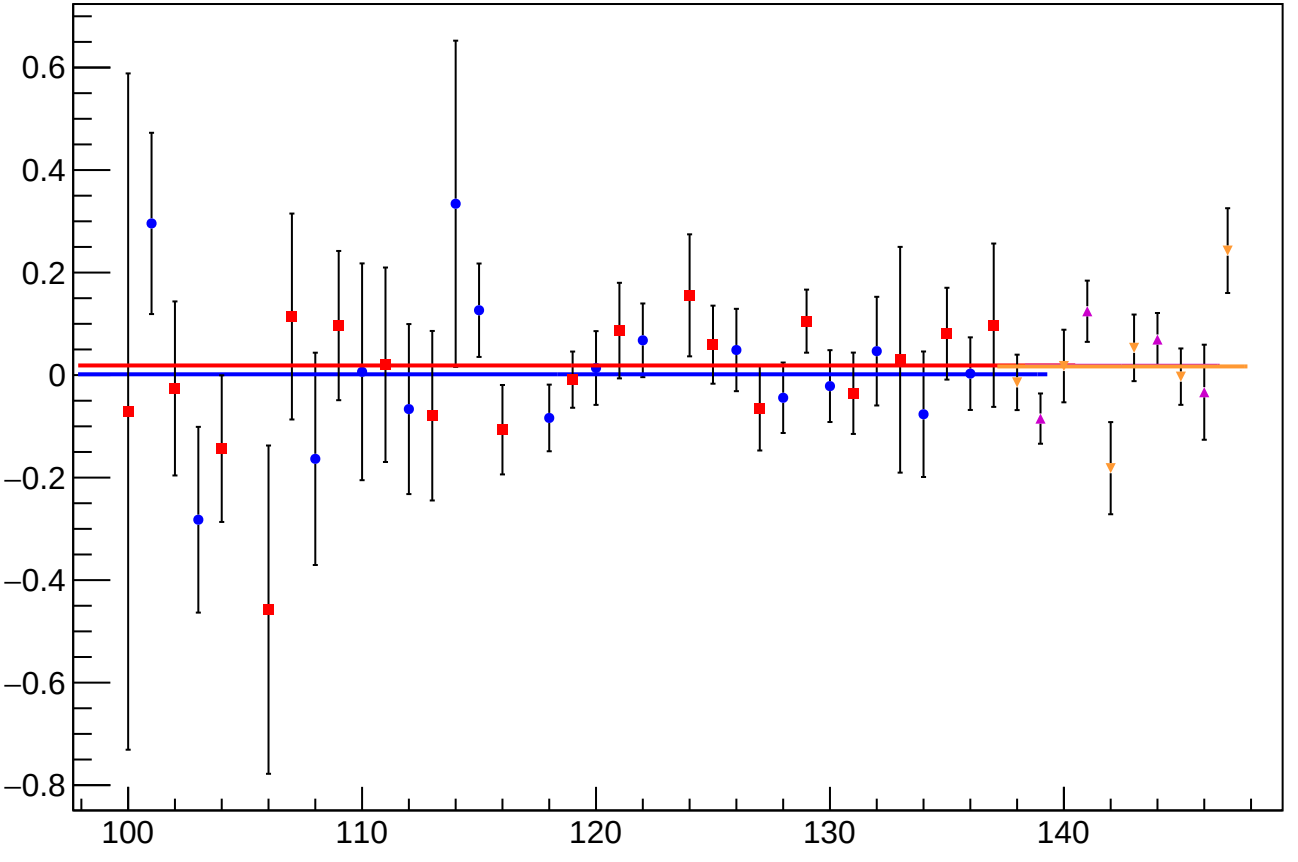
Left In: 0.000+/-0.000 χ^2/NDF:706238.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4674910.1/21

All: 0.000+/-0.000 χ^2/NDF: 9892897.1/44

- sign 0.000+/-0.000 χ^2/NDF: 5166246.2/22

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

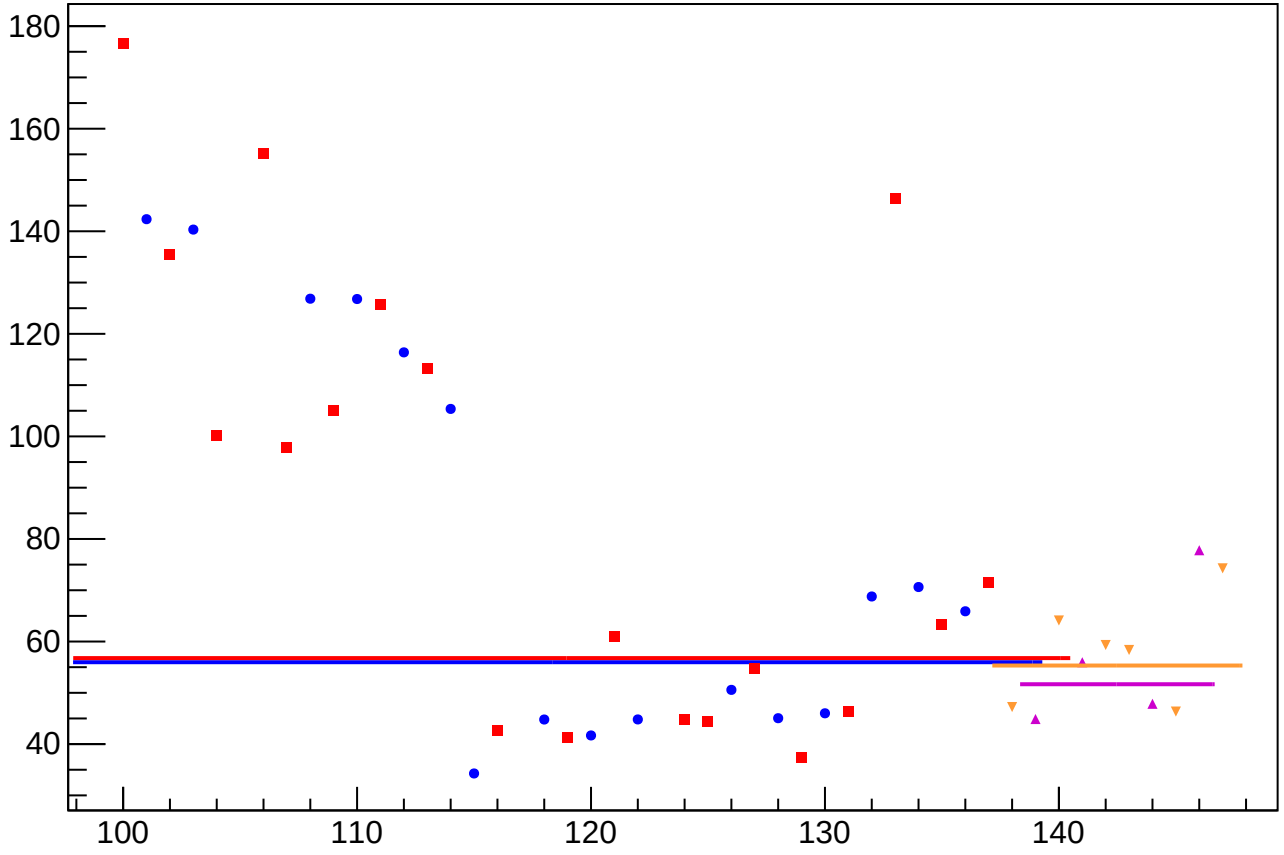
Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.013+/-0.013 χ^2/NDF: 48.5/44

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22

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: 55.322+/-0.019 χ^2/NDF:242213.6/5

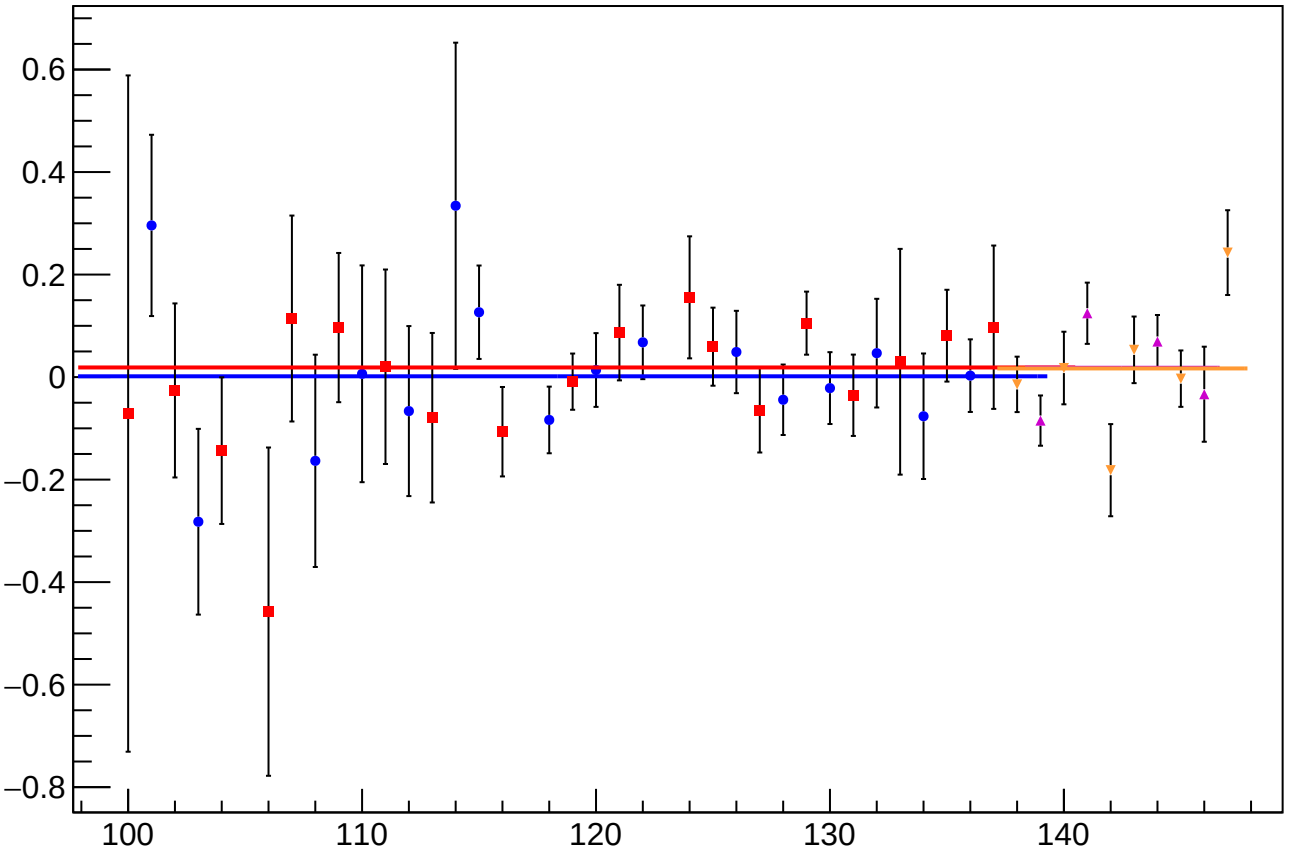
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

+ sign 55.690+/-0.012 χ^2/NDF: 2422699.2/21

All: 55.237+/-0.009 χ^2/NDF: 5234074.1/44

- sign 54.752+/-0.013 χ^2/NDF: 2808654.0/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

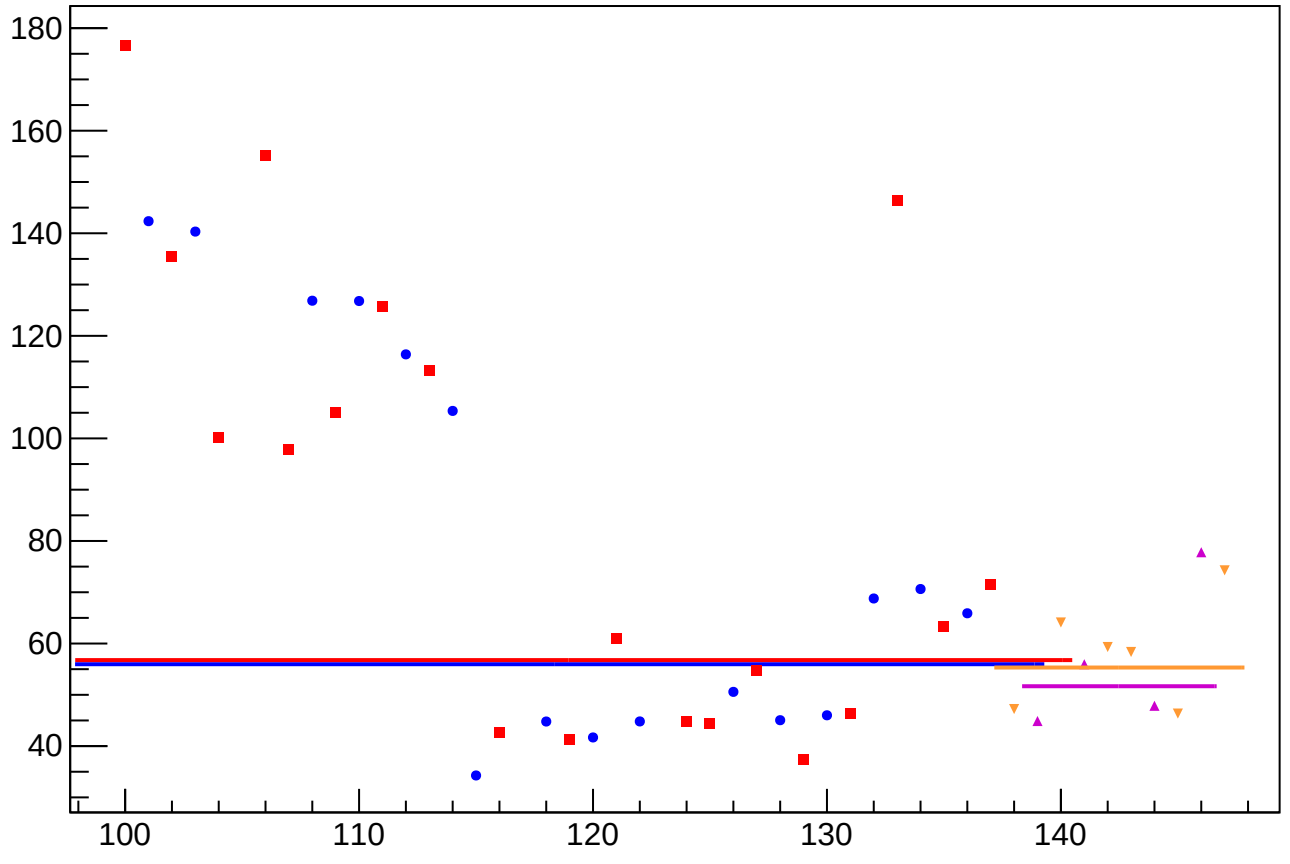
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.013+/-0.013 χ^2/NDF: 48.5/44

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

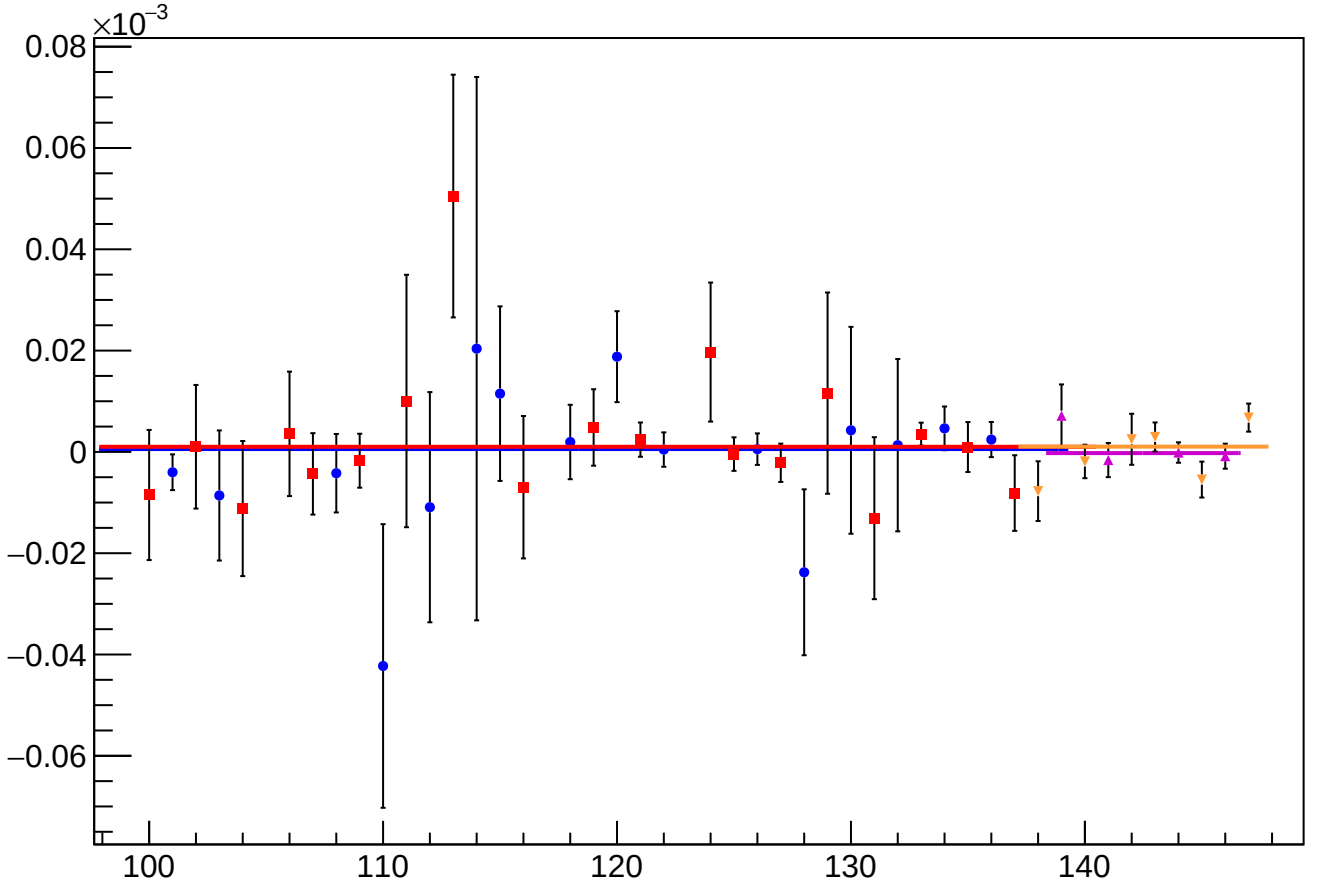
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

+ sign 55.690+/-0.012 χ^2/NDF: 2422699.2/21

All: 55.237+/-0.009 χ^2/NDF: 5234074.1/44

- sign 54.752+/-0.013 χ^2/NDF: 2808654.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/5

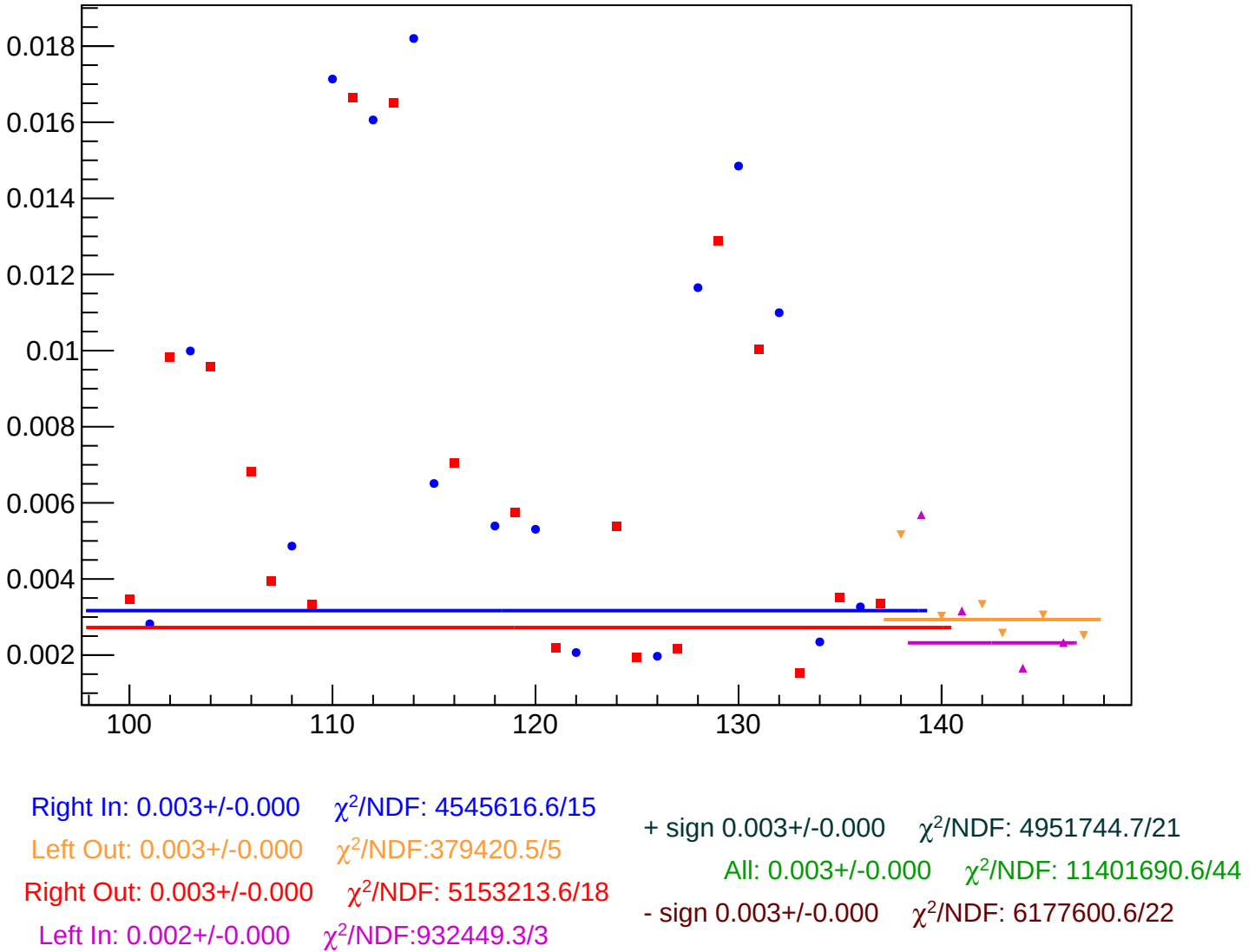
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

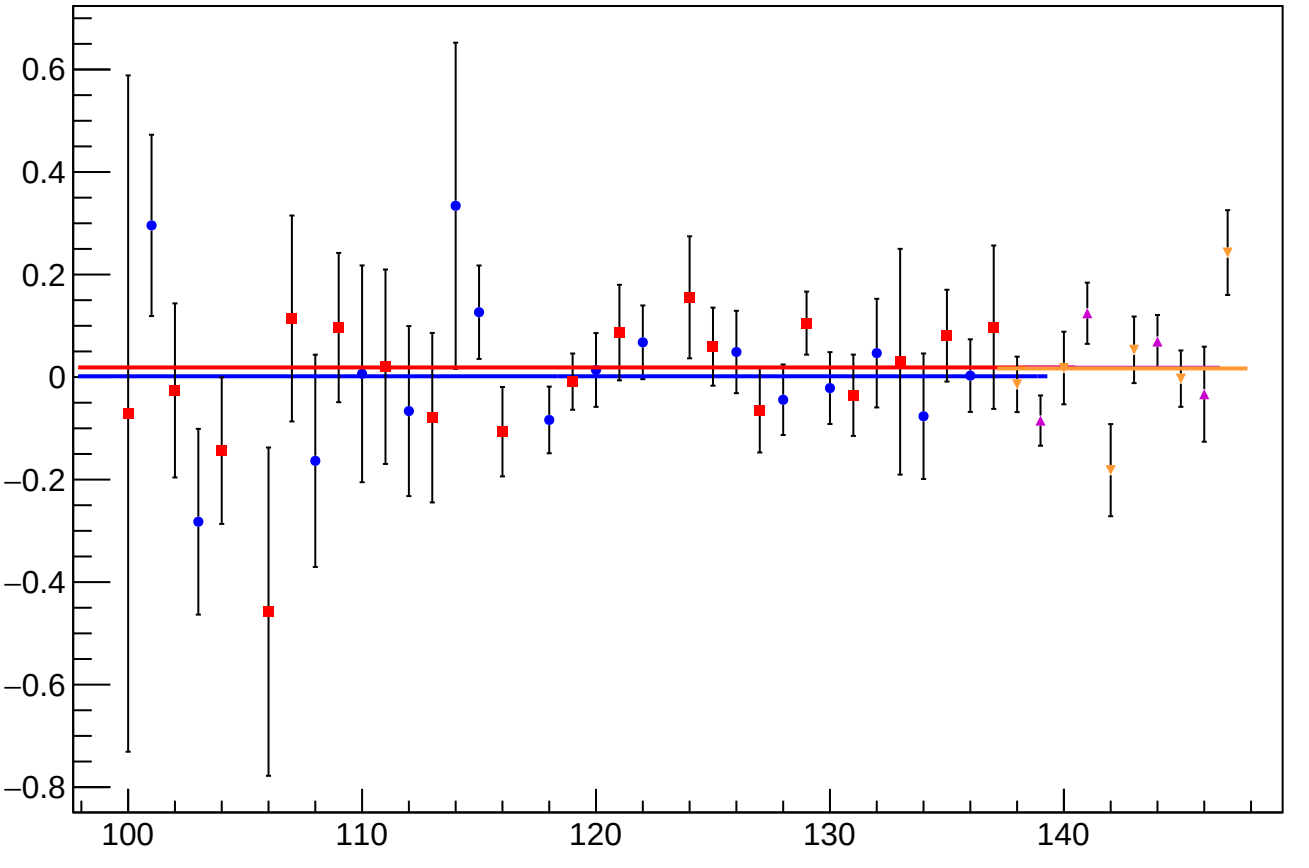
Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: 0.000+/-0.000 χ^2/NDF: 40.5/44

- sign 0.000+/-0.000 χ^2/NDF: 15.9/22


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
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:379420.5/5
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.002+/-0.000 χ²/NDF:932449.3/3
+ sign 0.003+/-0.000 χ²/NDF: 4951744.7/21
All: 0.003+/-0.000 χ²/NDF: 11401690.6/44
- sign 0.003+/-0.000 χ²/NDF: 6177600.6/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

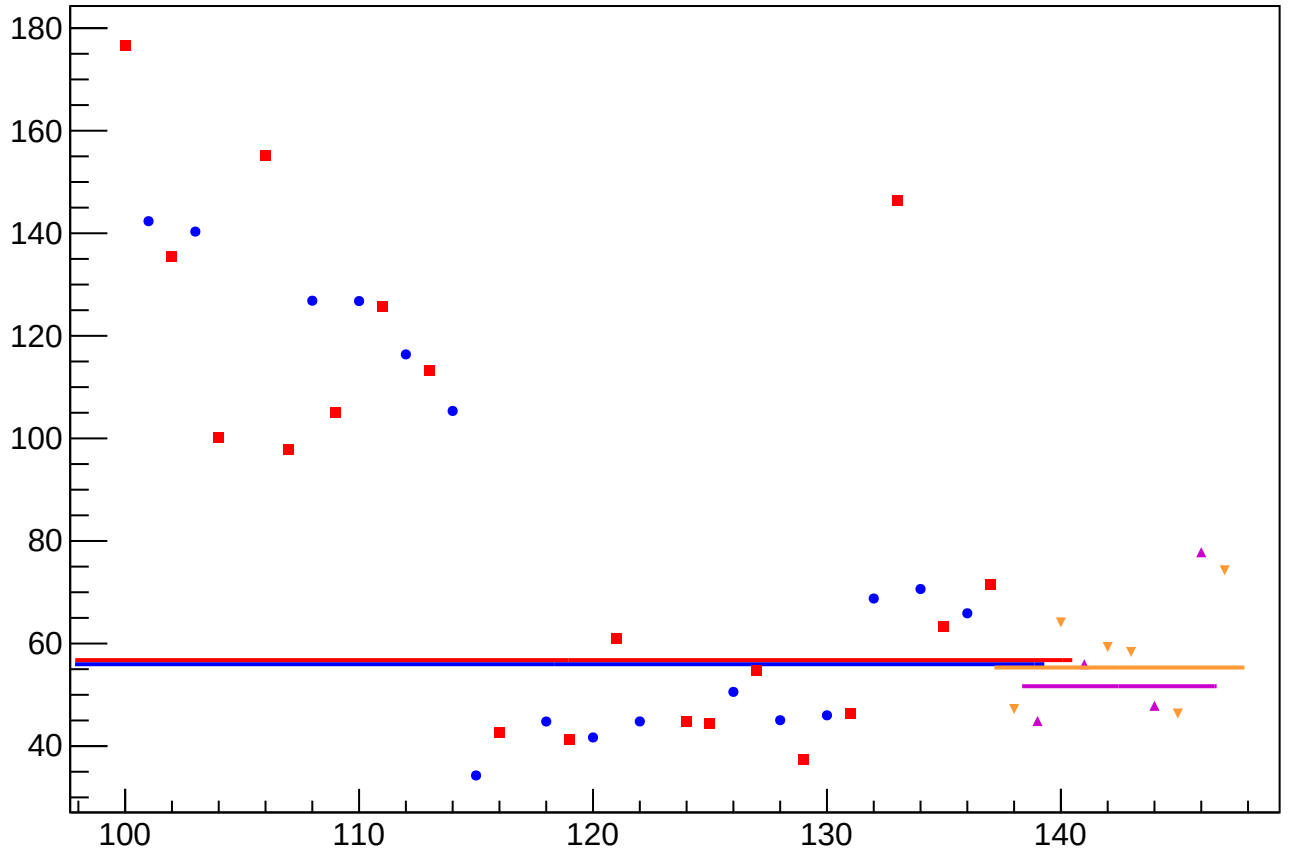
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.013+/-0.013 χ^2/NDF: 48.5/44

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

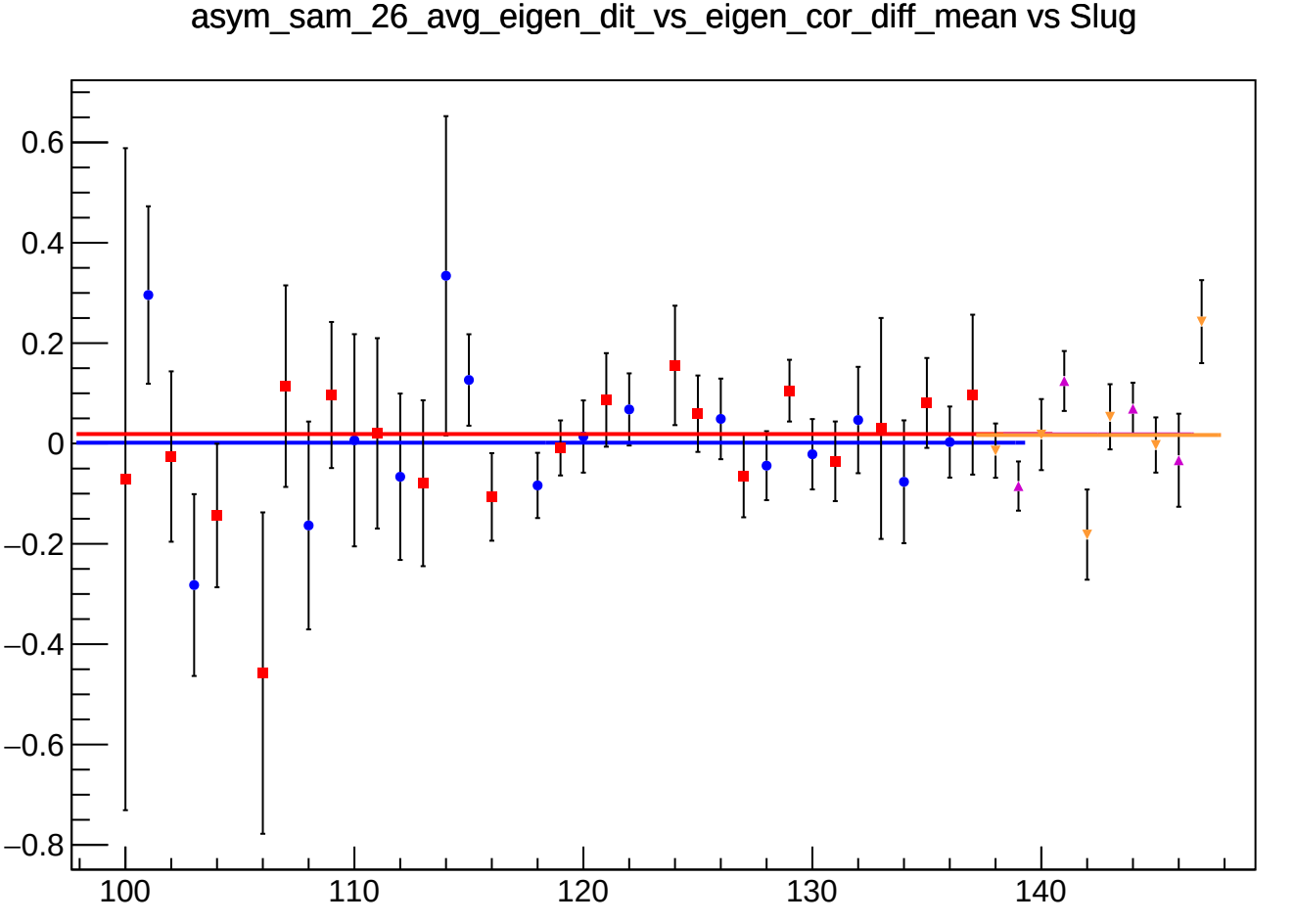
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

+ sign 55.690+/-0.012 χ^2/NDF: 2422619.6/21

All: 55.237+/-0.009 χ^2/NDF: 5233918.0/44

- sign 54.752+/-0.013 χ^2/NDF: 2808576.9/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

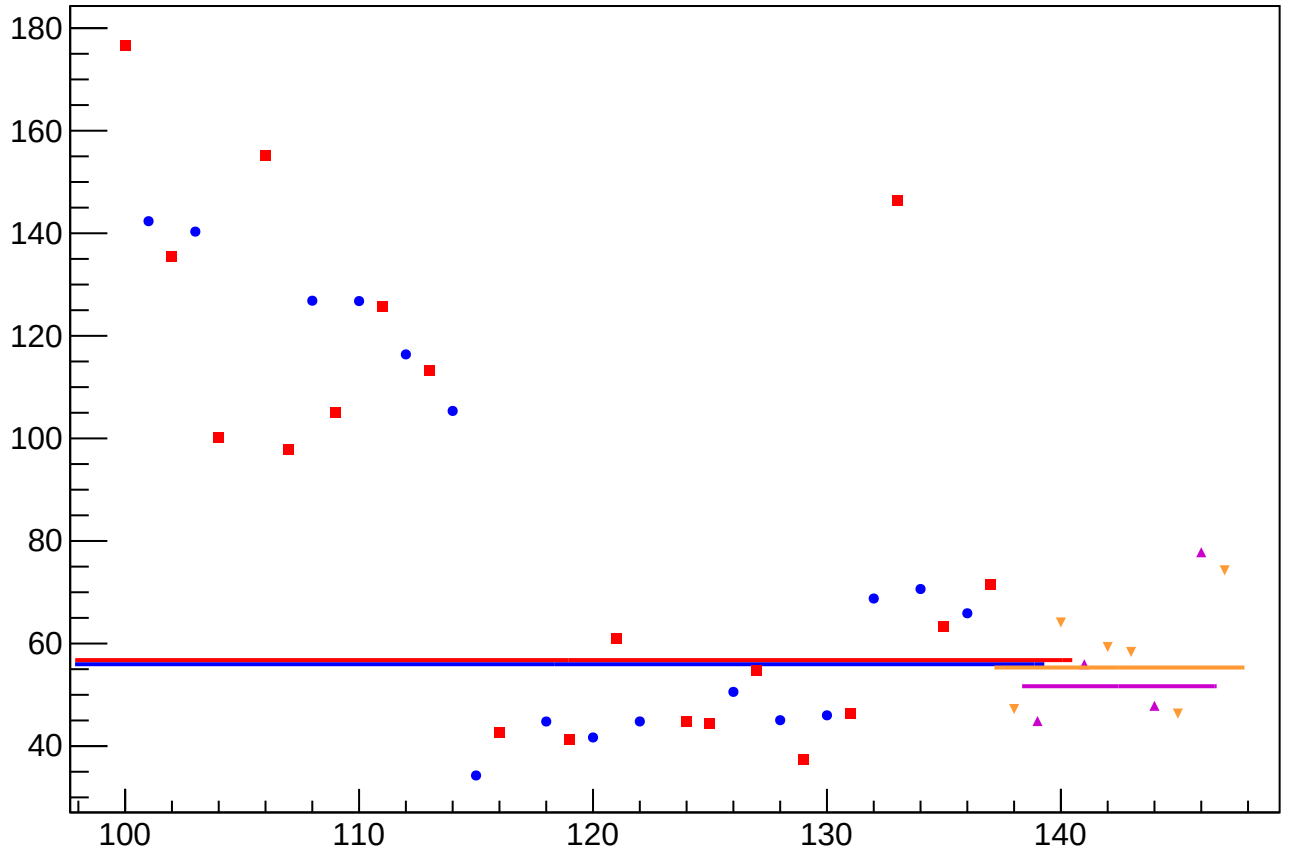
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.013+/-0.013 χ^2/NDF: 48.5/44

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

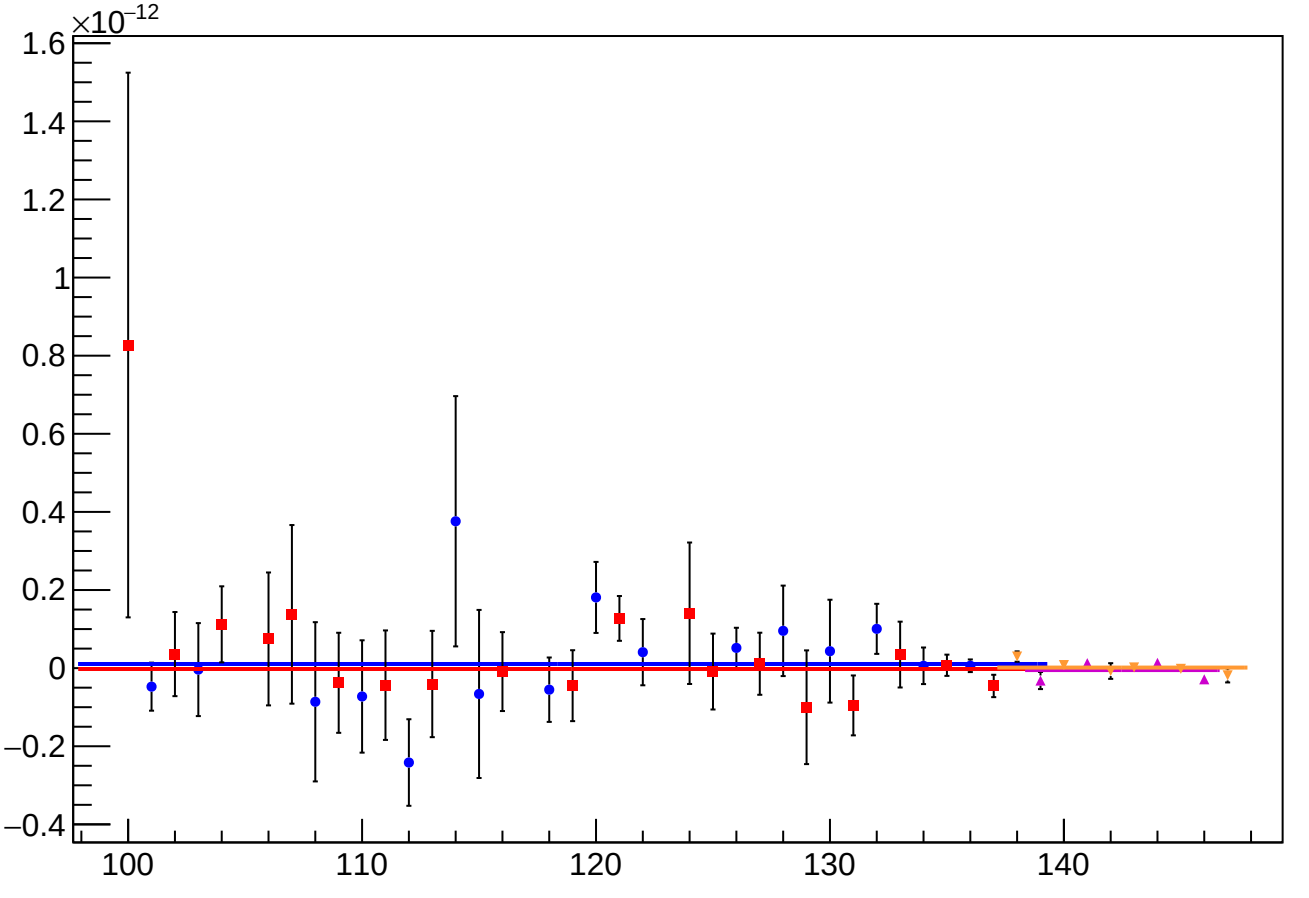
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

+ sign 55.690+/-0.012 χ^2/NDF: 2422619.6/21

All: 55.237+/-0.009 χ^2/NDF: 5233918.0/44

- sign 54.752+/-0.013 χ^2/NDF: 2808576.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

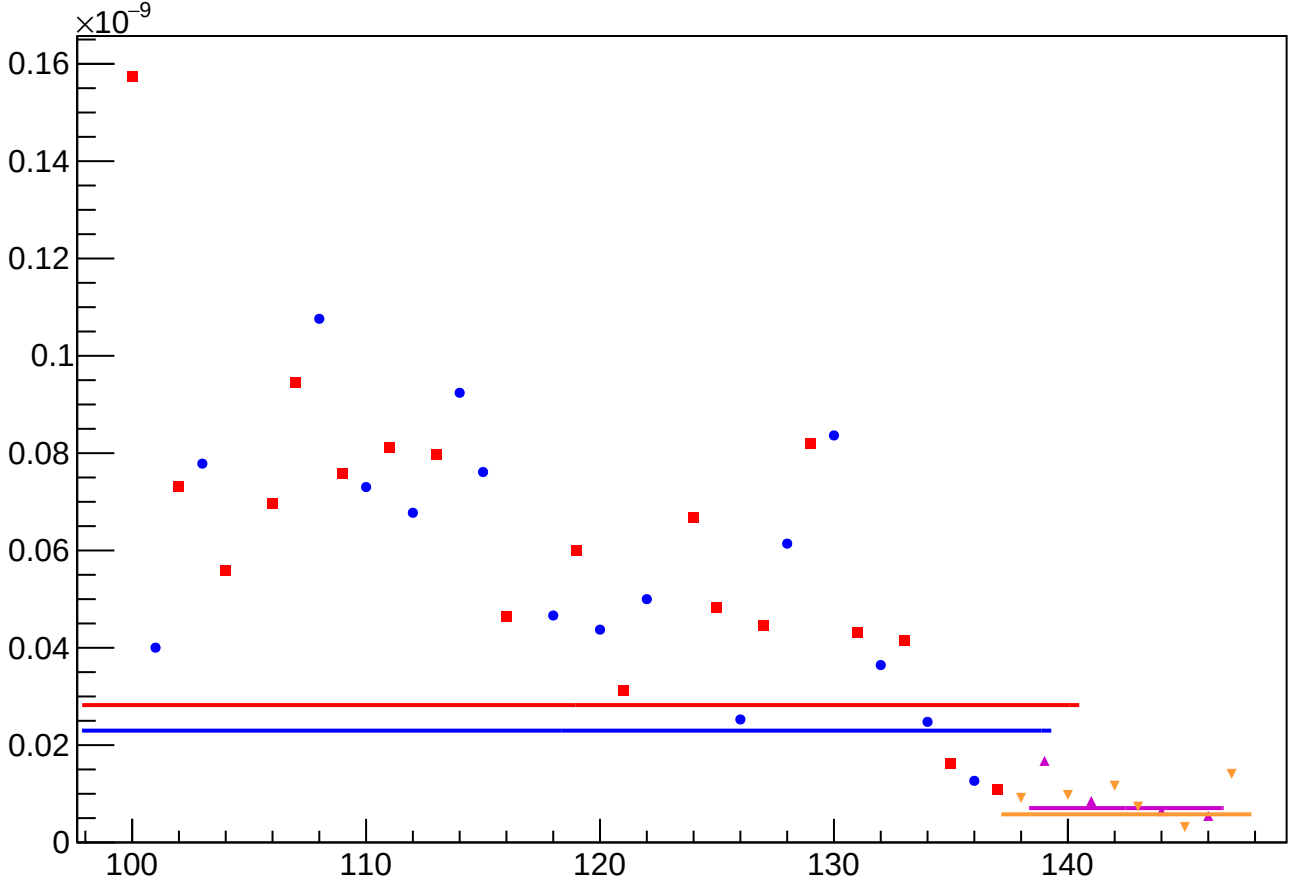
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.7/21

All: -0.000+/-0.000 χ^2/NDF: 55.2/44

- sign -0.000+/-0.000 χ^2/NDF: 31.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1522832.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

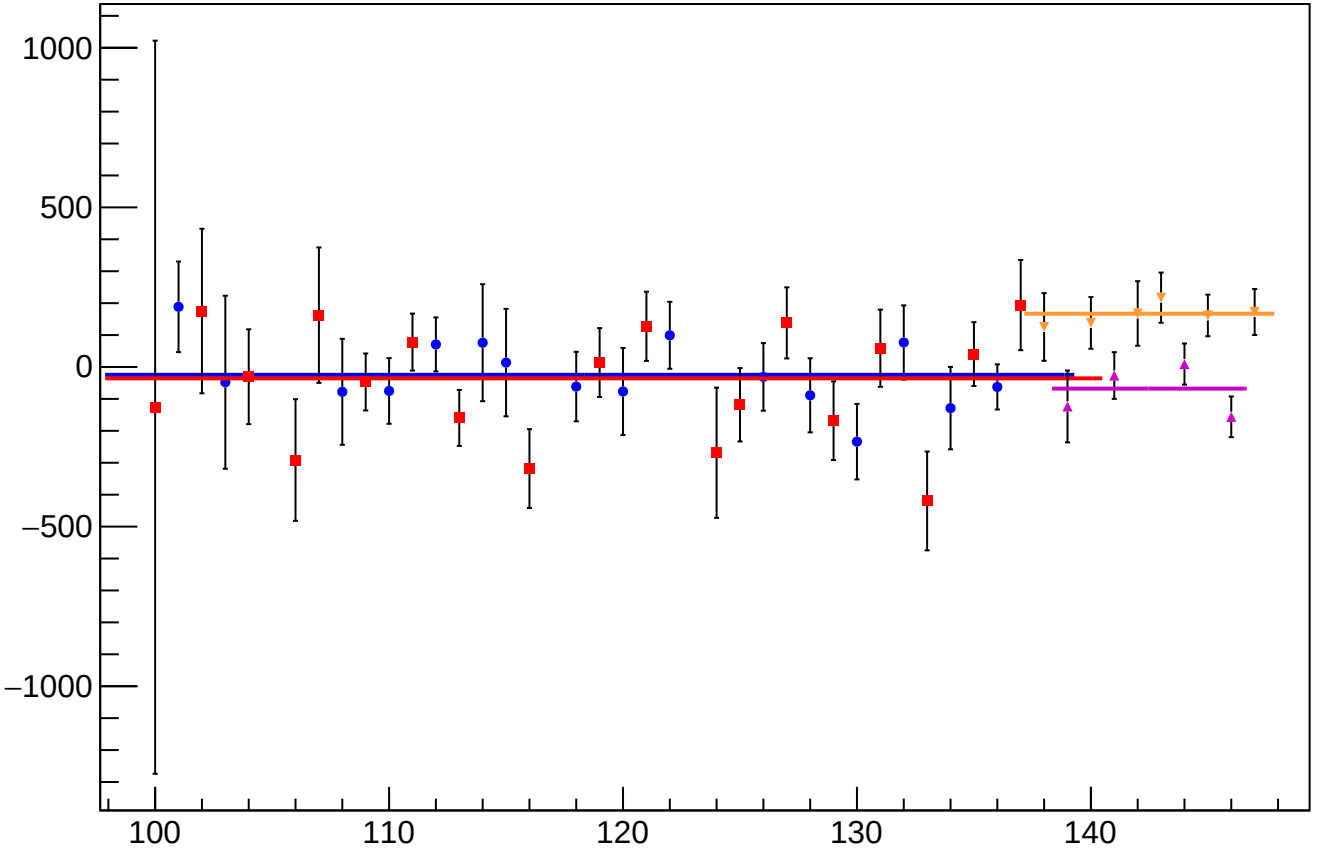
Left In: 0.000+/-0.000 χ^2/NDF:510357.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 8483987.0/21

All: 0.000+/-0.000 χ^2/NDF: 16376954.2/44

- sign 0.000+/-0.000 χ^2/NDF: 7696881.1/22

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.817+/-32.821 χ^2/NDF:0.7/5

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

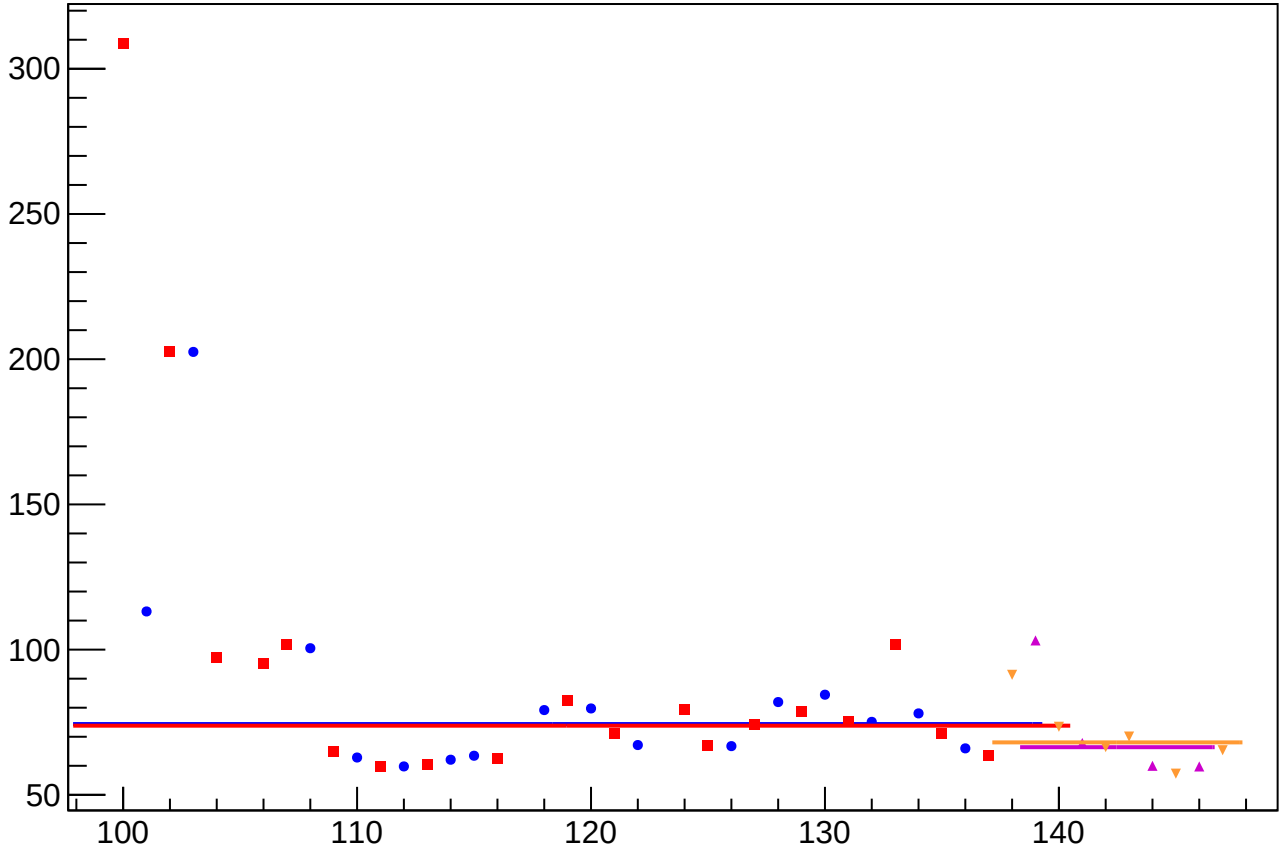
Left In: -67.716+/-36.441 χ^2/NDF:3.9/3

+ sign 59.021+/-21.695 χ^2/NDF: 30.9/21

All: 7.406+/-15.593 χ^2/NDF: 77.1/44

- sign -47.753+/-22.427 χ^2/NDF: 34.5/22

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

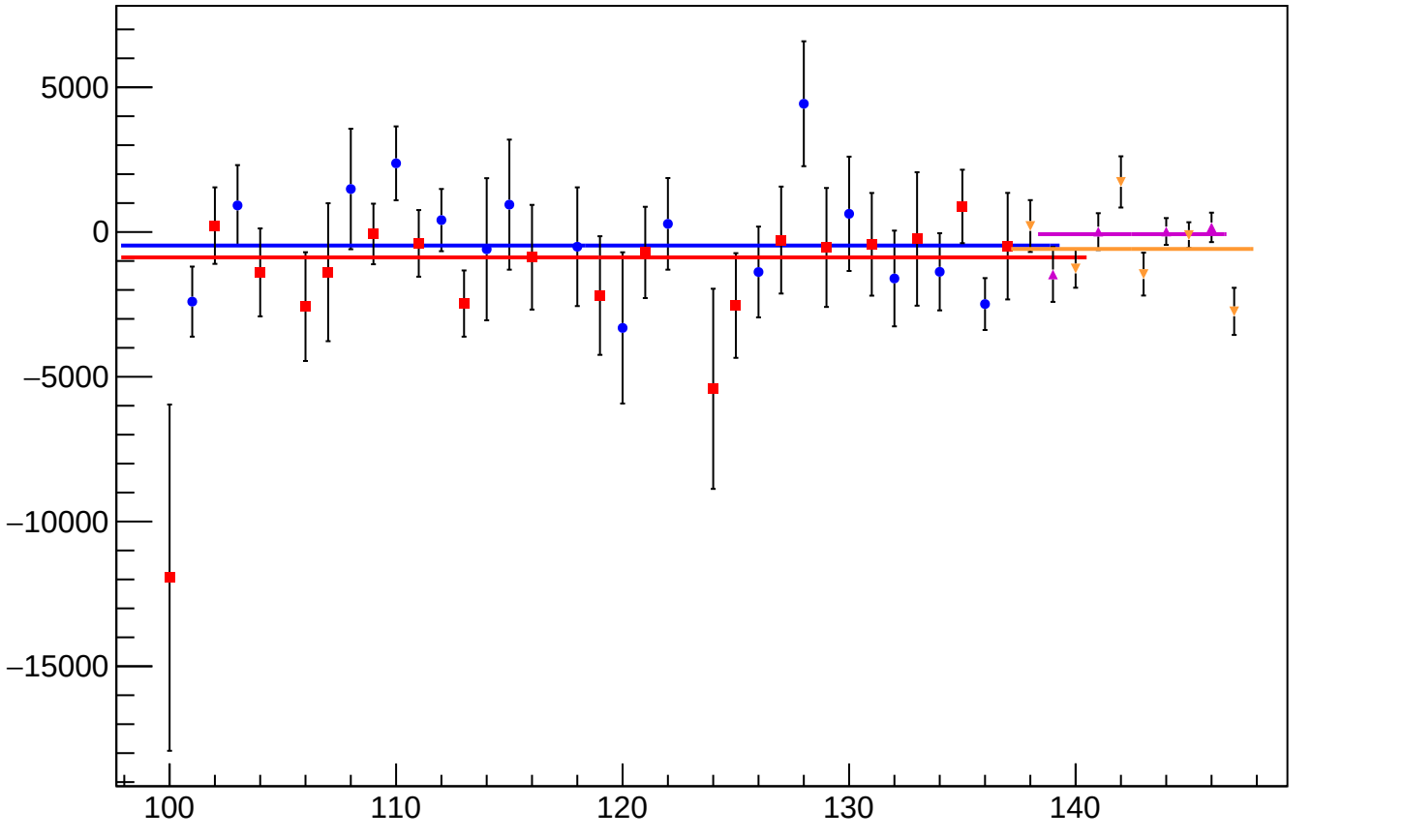
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 71.613+/-0.015 χ^2/NDF: 1033540.4/21

All: 71.321+/-0.011 χ^2/NDF: 2273254.8/44

- sign 71.009+/-0.016 χ^2/NDF: 1238965.6/22



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -584.649+/-275.182 χ^2/NDF:18.2/5

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

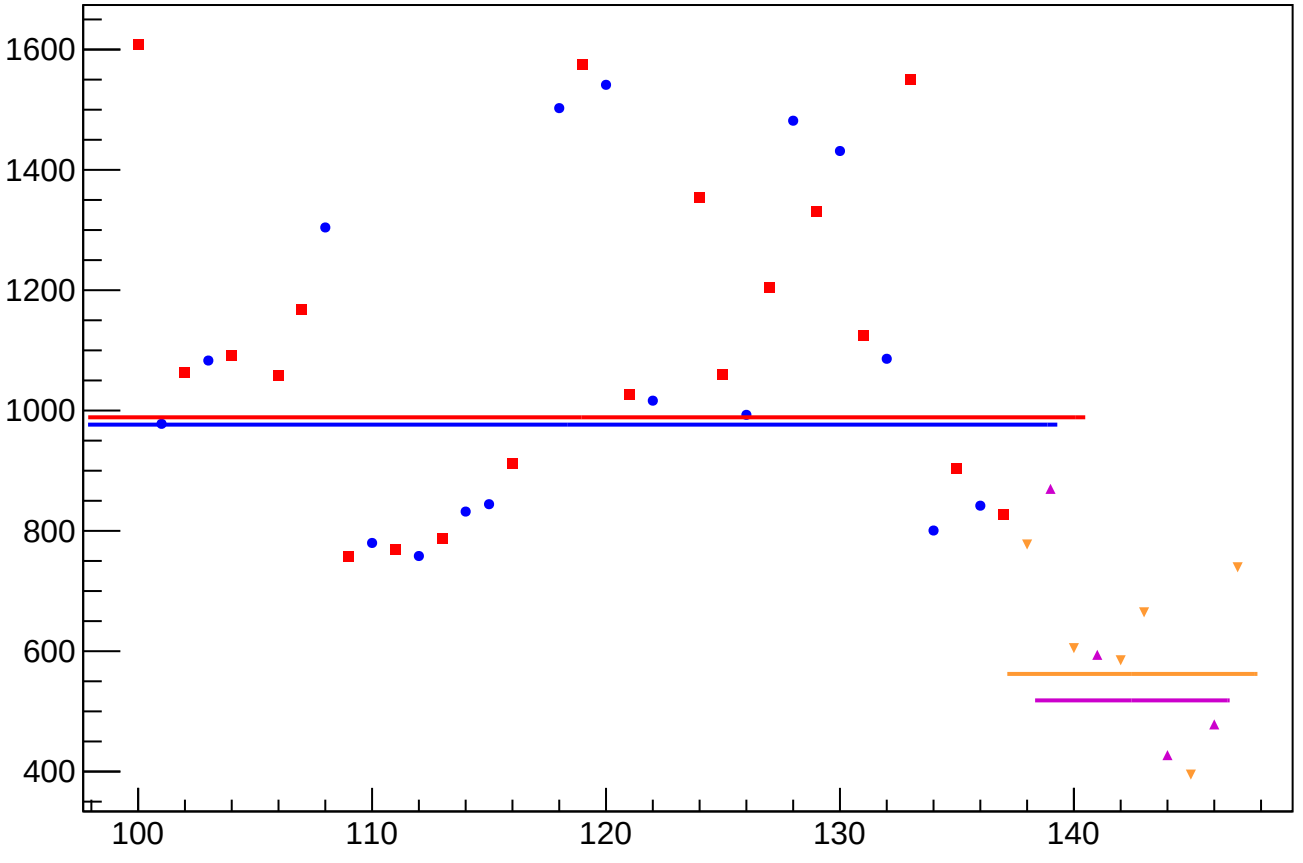
Left In: -72.984+/-287.171 χ^2/NDF:2.4/3

\+ sign -543.308+/-221.863 χ^2/NDF: 42.0/21

All: -459.926+/-158.793 χ^2/NDF: 60.7/44

\- sign -372.352+/-227.372 χ^2/NDF: 18.4/22

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 562.253+/-0.195 χ^2/NDF:542423.0/5

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

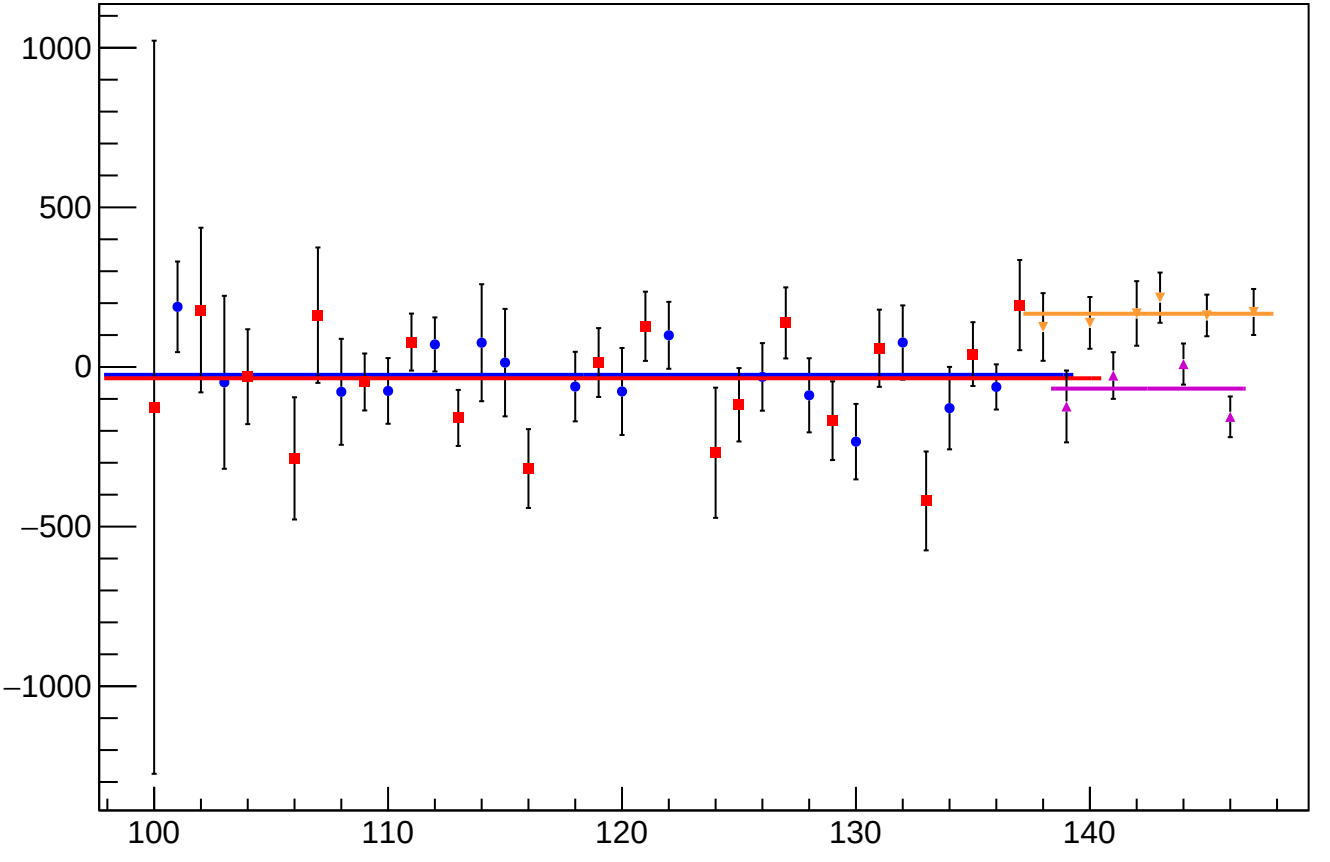
Left In: 518.268+/-0.203 χ^2/NDF:393131.6/3

+ sign 707.258+/-0.157 χ^2/NDF: 2865823.2/21

All: 700.700+/-0.112 χ^2/NDF: 5981292.1/44

- sign 693.812+/-0.161 χ^2/NDF: 3111886.4/22

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

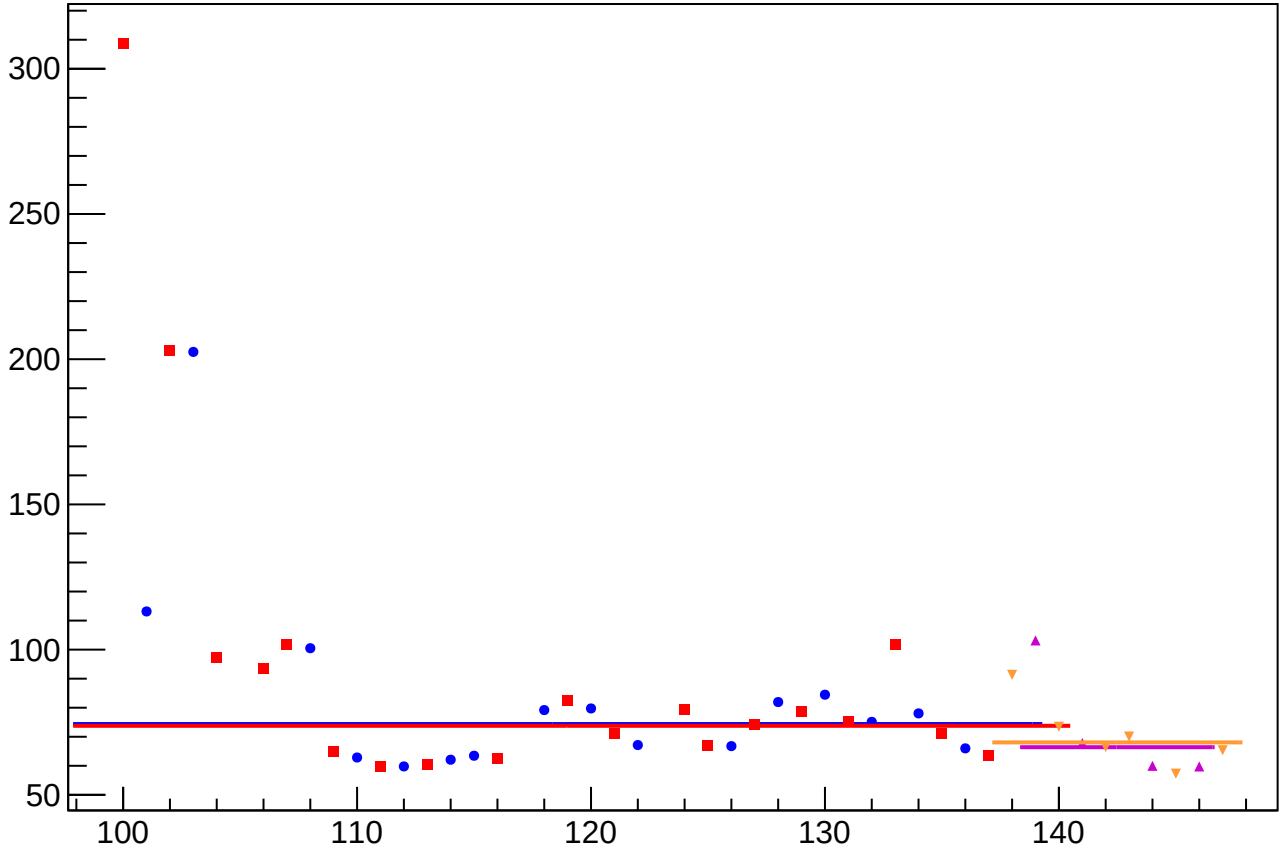
Left In: -67.713+/-36.441 χ^2/NDF:3.9/3

+ sign 59.020+/-21.695 χ^2/NDF: 30.9/21

All: 7.468+/-15.594 χ^2/NDF: 77.0/44

- sign -47.630+/-22.429 χ^2/NDF: 34.4/22

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

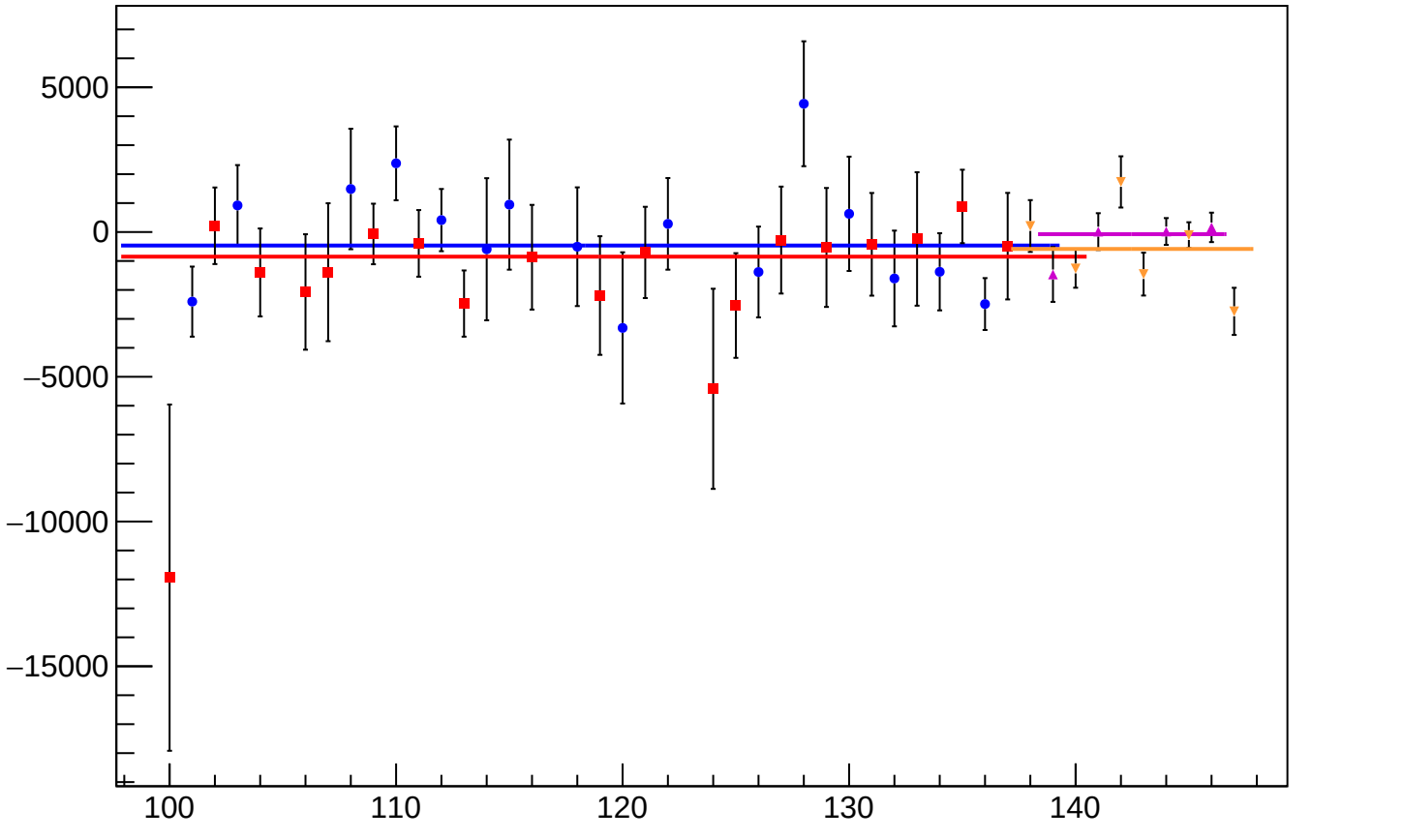
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 71.613+/-0.015 χ^2/NDF: 1033542.4/21

All: 71.308+/-0.011 χ^2/NDF: 2268955.8/44

- sign 70.982+/-0.016 χ^2/NDF: 1234597.8/22



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

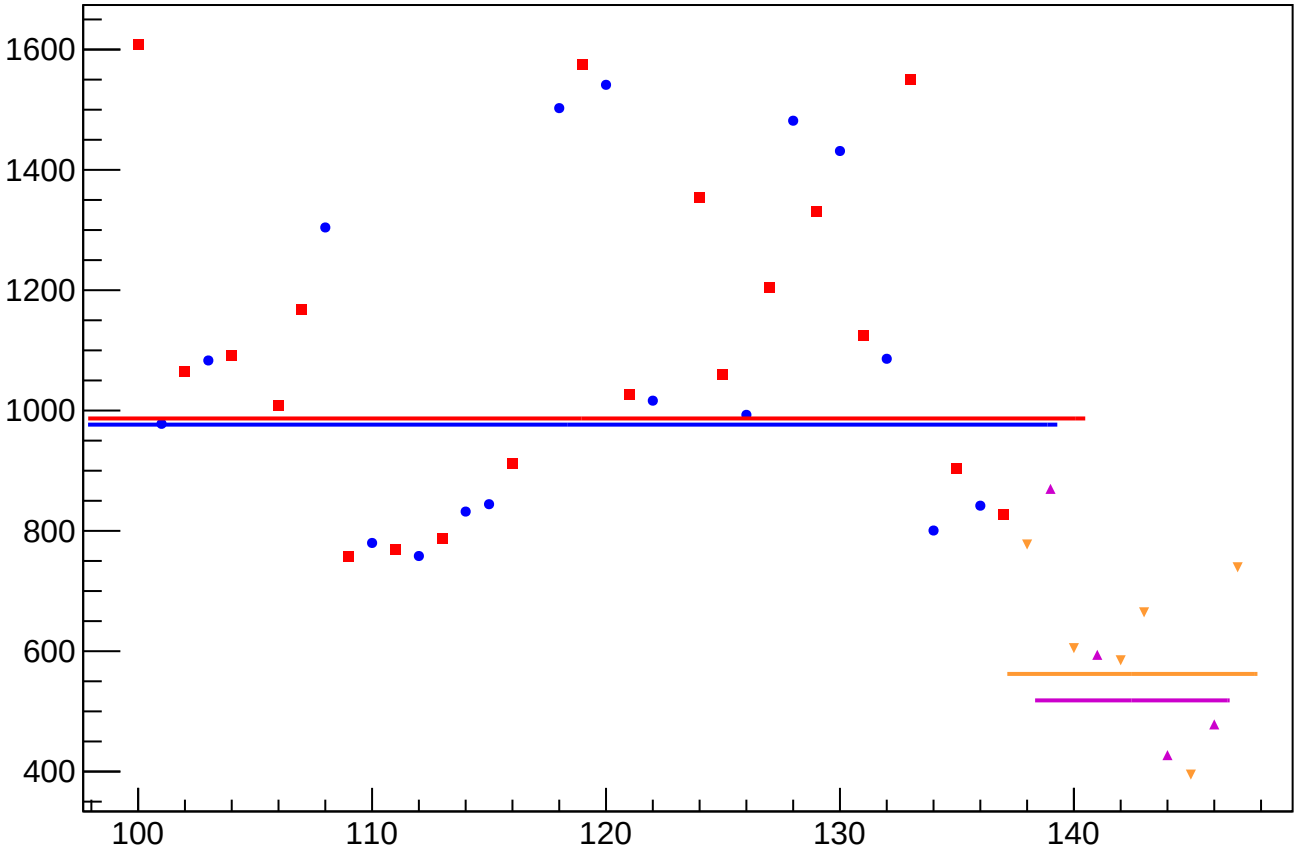
Left In: -72.986+/-287.171 χ^2/NDF:2.4/3

+ sign -543.299+/-221.863 χ^2/NDF: 42.0/21

All: -455.118+/-158.859 χ^2/NDF: 60.0/44

- sign -362.344+/-227.566 χ^2/NDF: 17.7/22

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

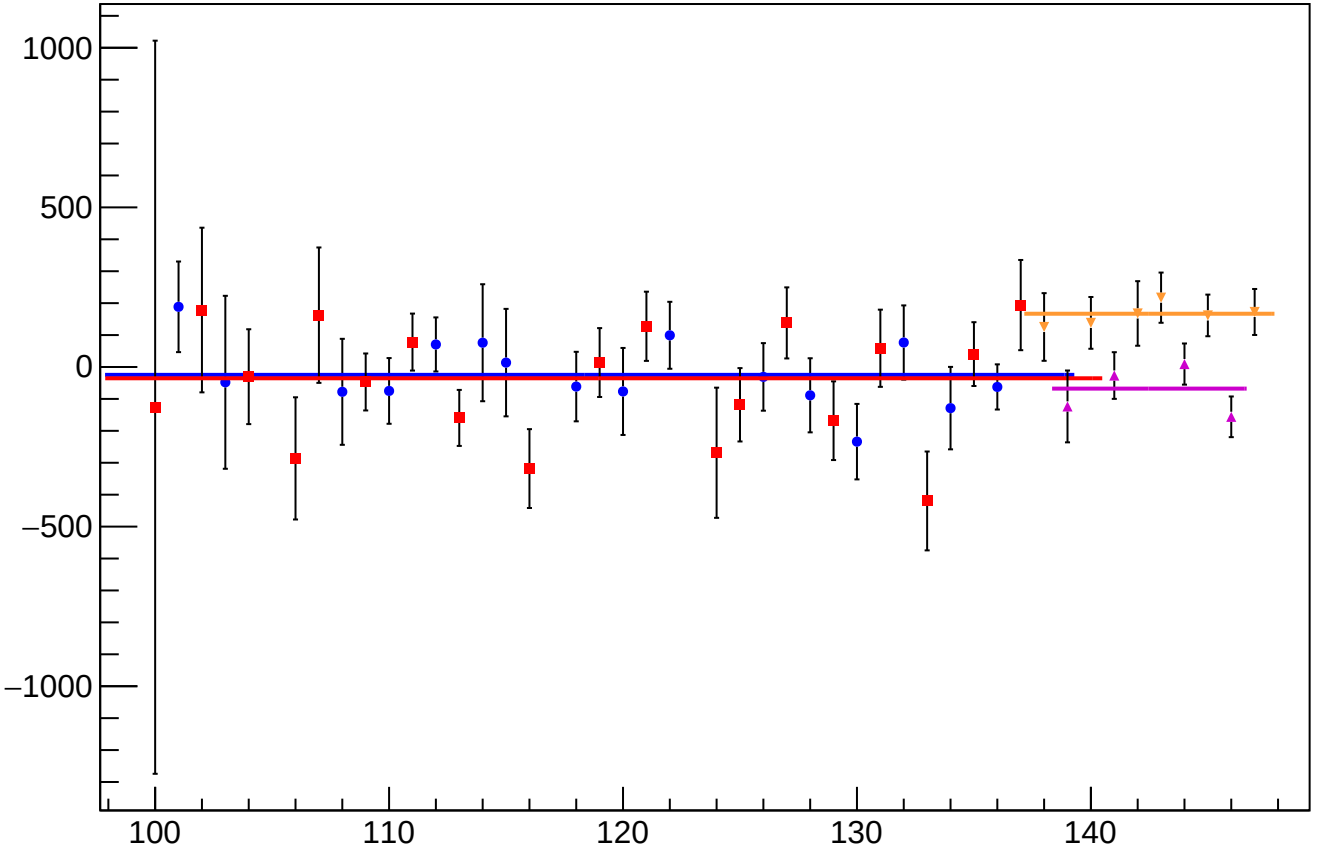
Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

\+ sign 707.258+/-0.157 χ^2/NDF: 2865878.3/21

All: 700.109+/-0.112 χ^2/NDF: 5957457.7/44

\- sign 692.587+/-0.161 χ^2/NDF: 3087317.5/22

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

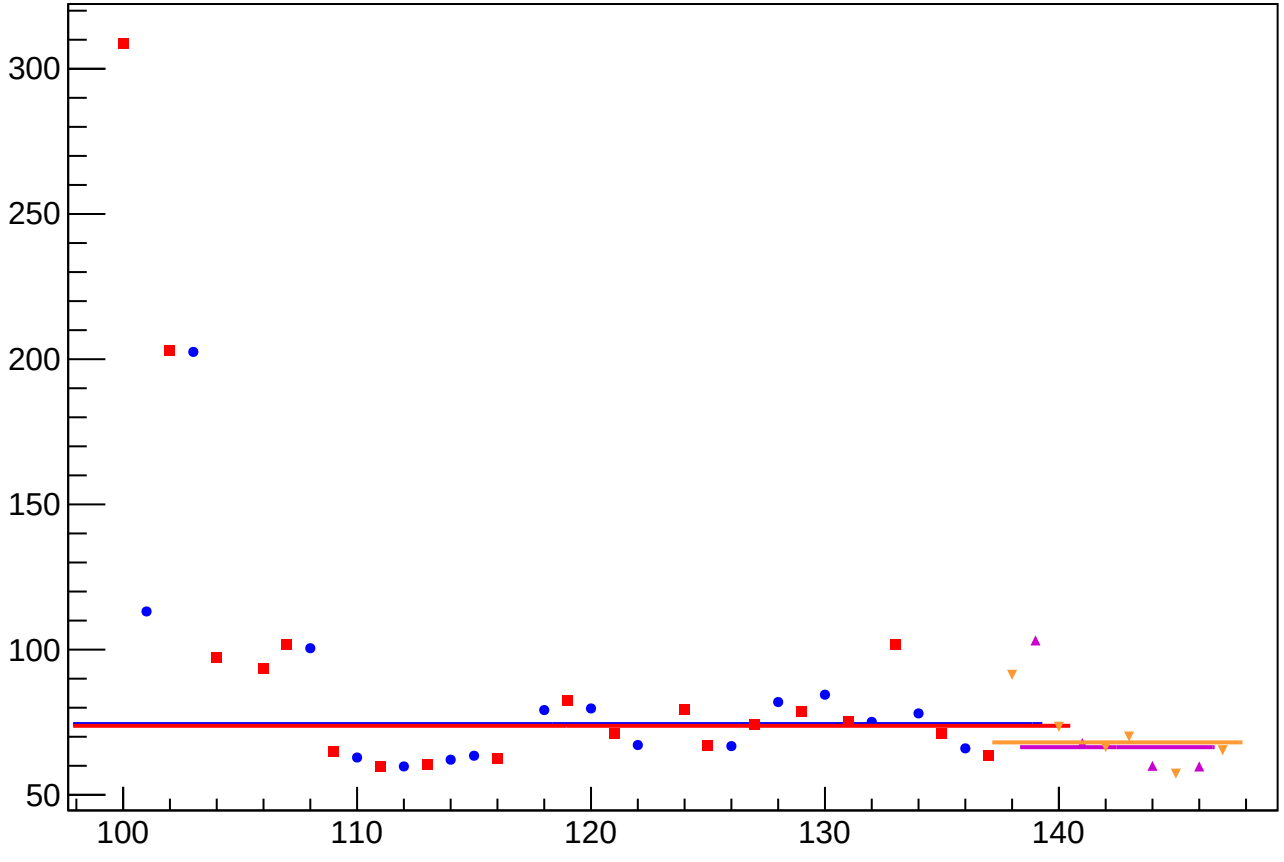
Left In: -67.713+/-36.441 χ^2/NDF:3.9/3

+ sign 59.020+/-21.695 χ^2/NDF: 30.9/21

All: 7.468+/-15.594 χ^2/NDF: 77.0/44

- sign -47.630+/-22.429 χ^2/NDF: 34.4/22

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

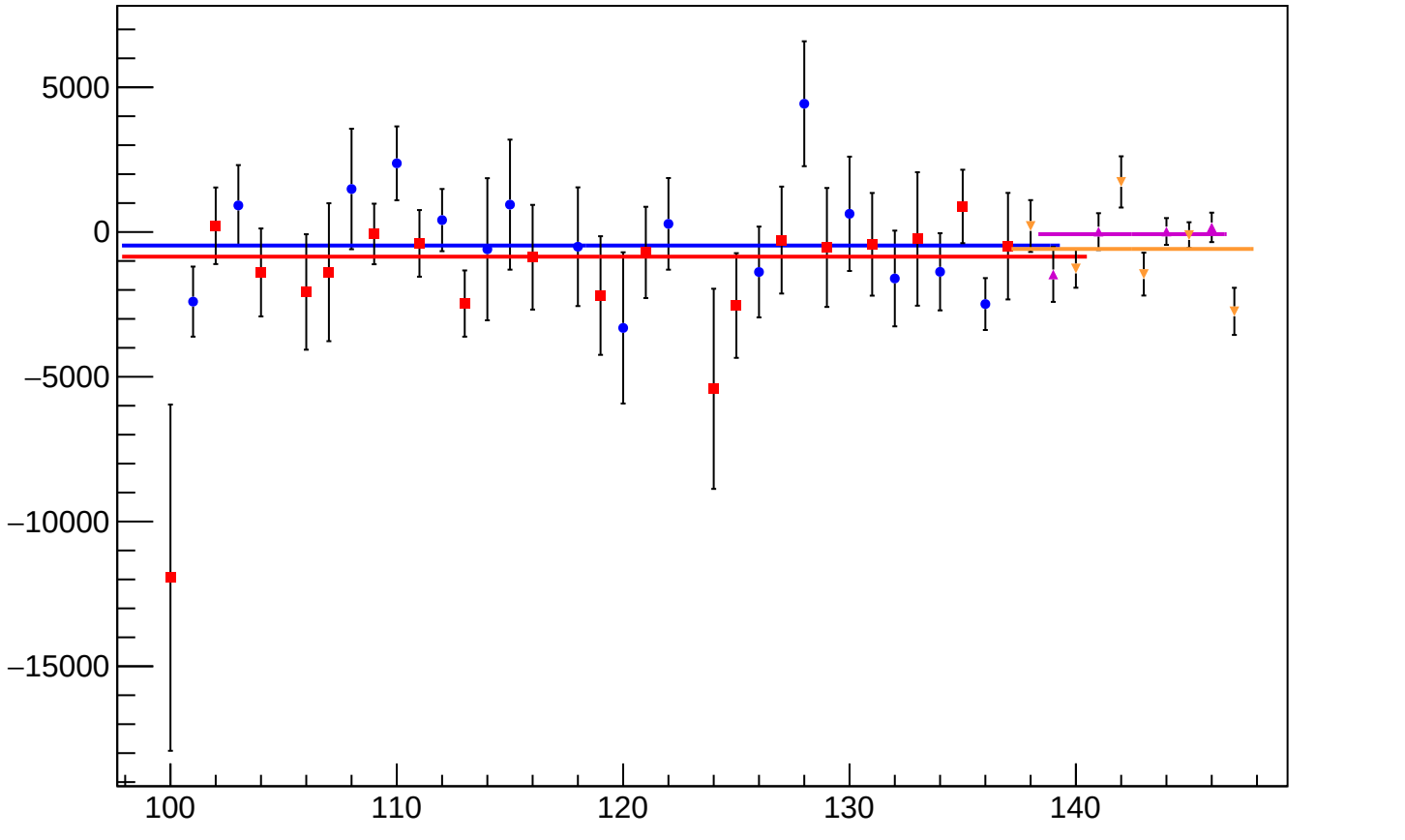
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 71.613+/-0.015 χ^2/NDF: 1033542.4/21

All: 71.308+/-0.011 χ^2/NDF: 2268955.8/44

- sign 70.982+/-0.016 χ^2/NDF: 1234597.8/22



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

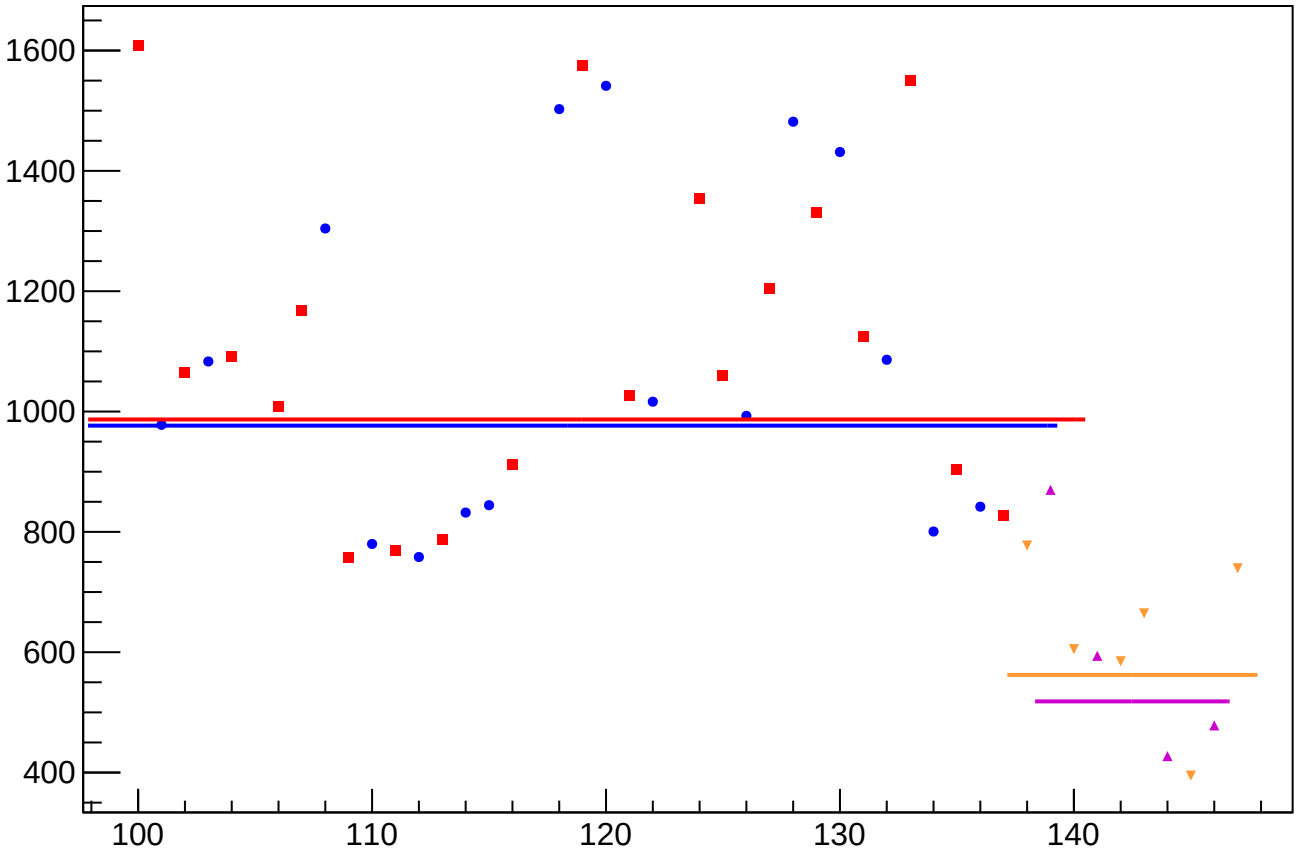
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -72.986+/-287.171 χ^2/NDF:2.4/3

+ sign -543.299+/-221.863 χ^2/NDF: 42.0/21

All: -455.118+/-158.859 χ^2/NDF: 60.0/44

- sign -362.344+/-227.566 χ^2/NDF: 17.7/22



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

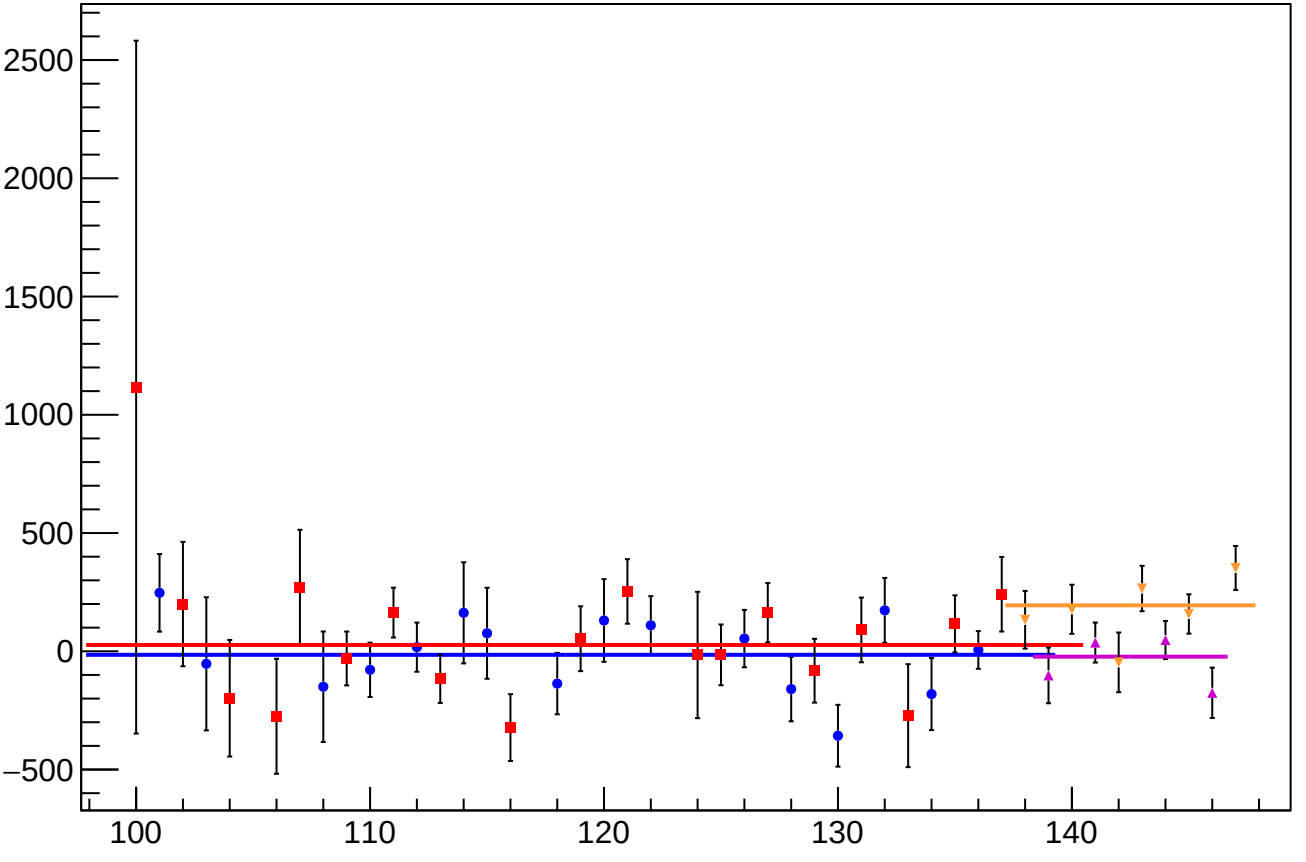
Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

\+ sign 707.258+/-0.157 χ^2/NDF: 2865878.3/21

All: 700.109+/-0.112 χ^2/NDF: 5957457.7/44

\- sign 692.587+/-0.161 χ^2/NDF: 3087317.5/22

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.260+/-41.114 χ^2/NDF:7.6/5

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

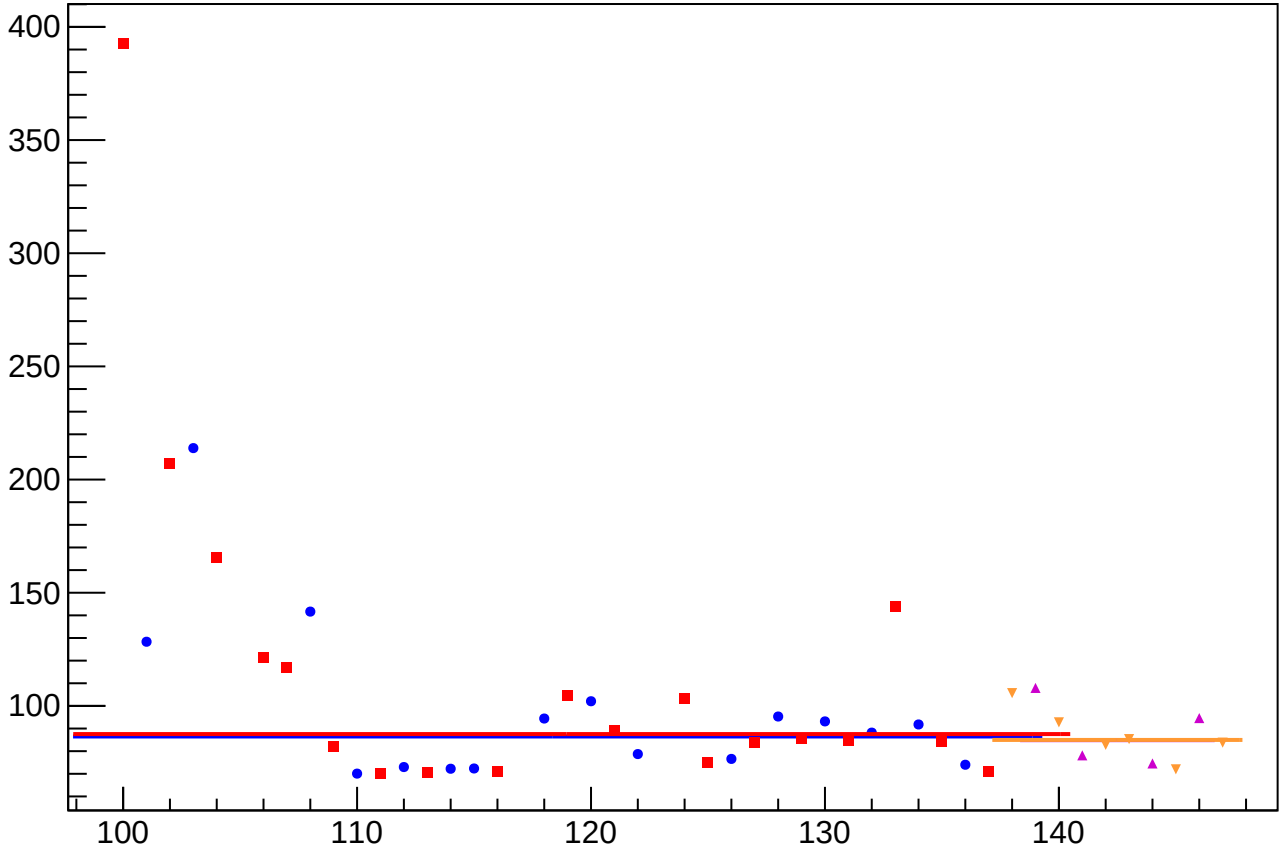
Left In: -22.769+/-46.919 χ^2/NDF:3.8/3

+ sign 69.304+/-26.091 χ^2/NDF: 41.3/21

All: 41.090+/-18.951 χ^2/NDF: 71.9/44

- sign 9.589+/-27.570 χ^2/NDF: 28.1/22

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 84.964+/-0.029 χ^2/NDF:118457.6/5

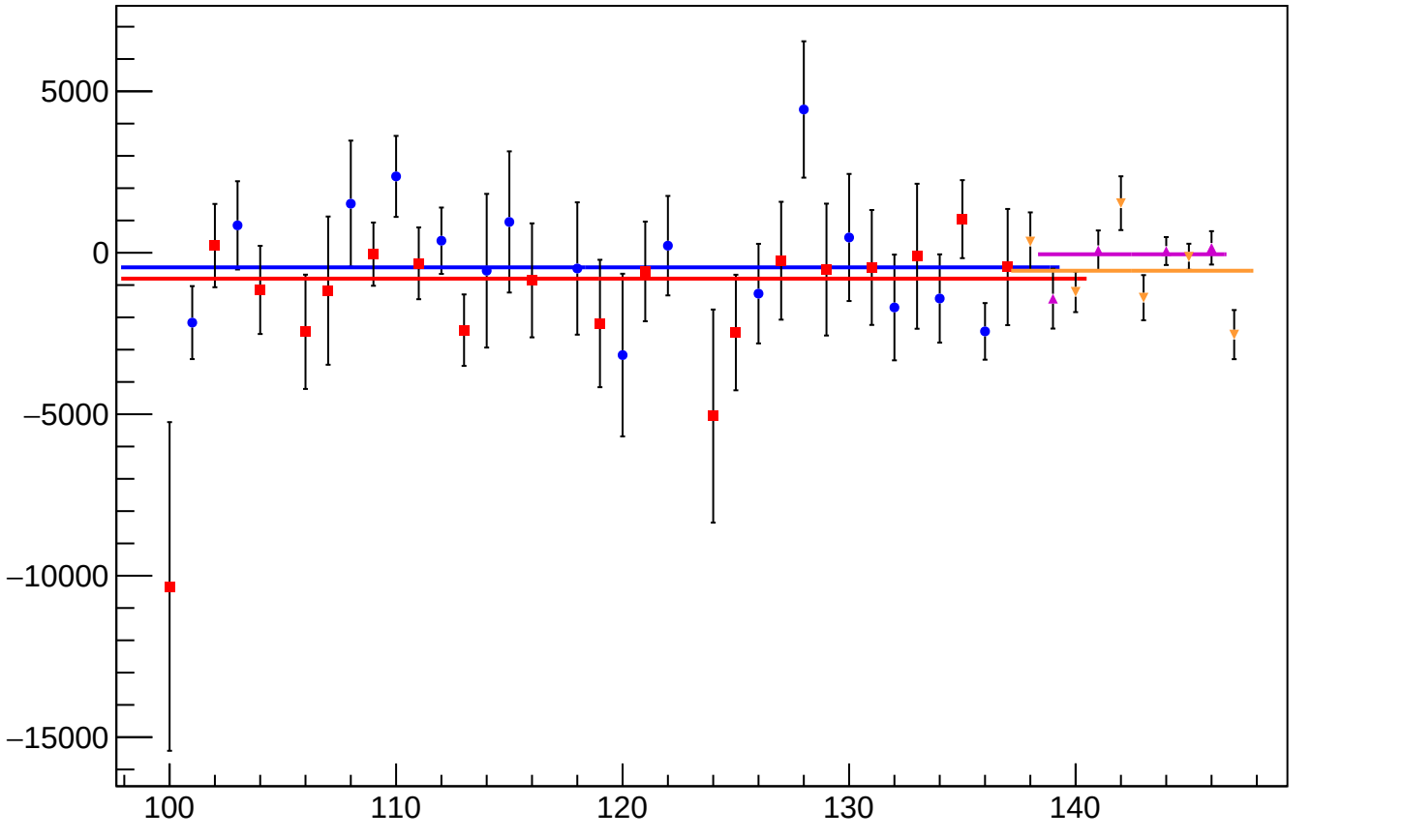
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.860+/-0.033 χ^2/NDF:138731.2/3

+ sign 85.875+/-0.018 χ^2/NDF: 976359.3/21

All: 86.229+/-0.013 χ^2/NDF: 2249983.1/44

- sign 86.624+/-0.019 χ^2/NDF: 1272844.2/22



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.085+/-257.154 χ^2/NDF:17.7/5

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

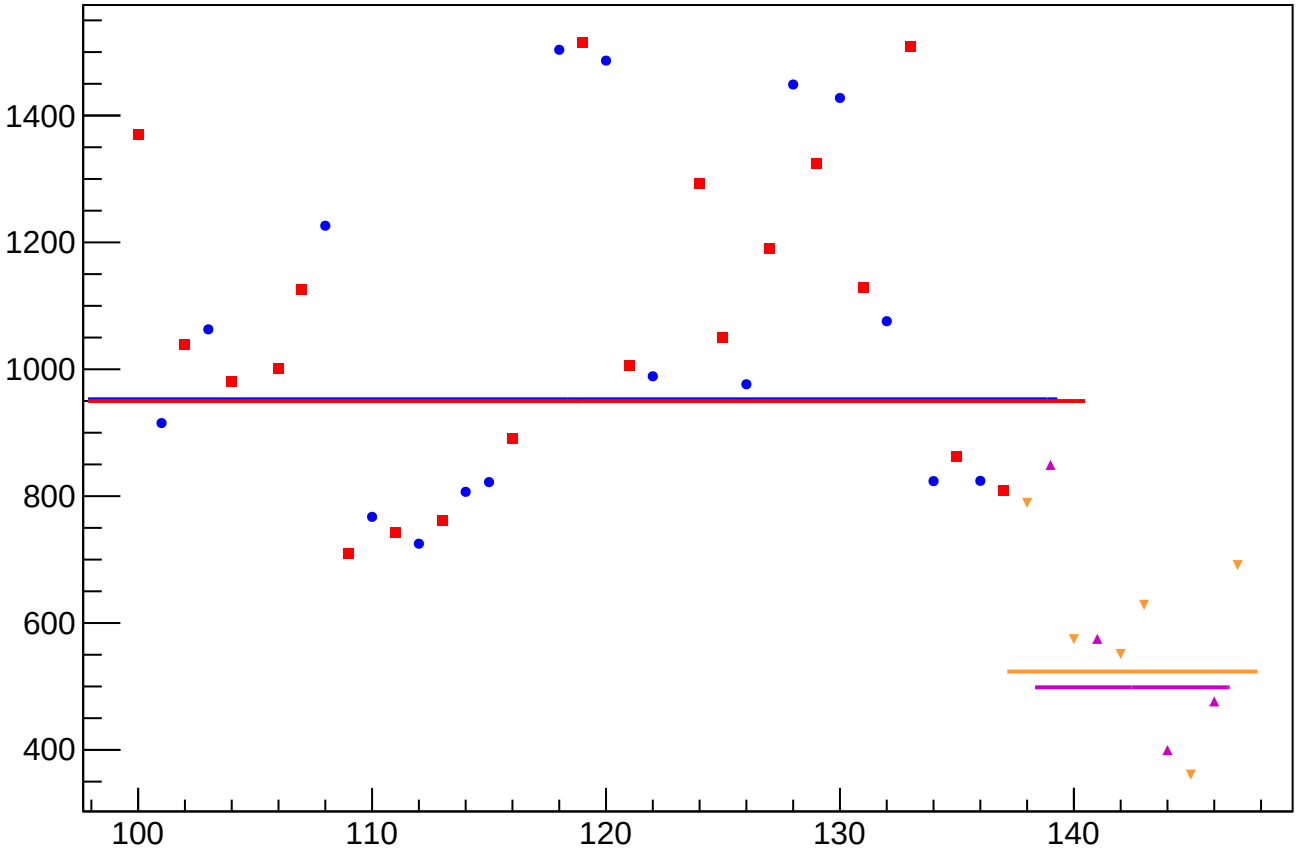
Left In: -46.436+/-278.416 χ^2/NDF:2.4/3

+ sign -521.430+/-210.336 χ^2/NDF: 41.5/21

All: -430.390+/-151.948 χ^2/NDF: 60.7/44

- sign -331.022+/-219.746 χ^2/NDF: 18.8/22

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 523.542+/-0.182 χ^2/NDF:655788.9/5

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

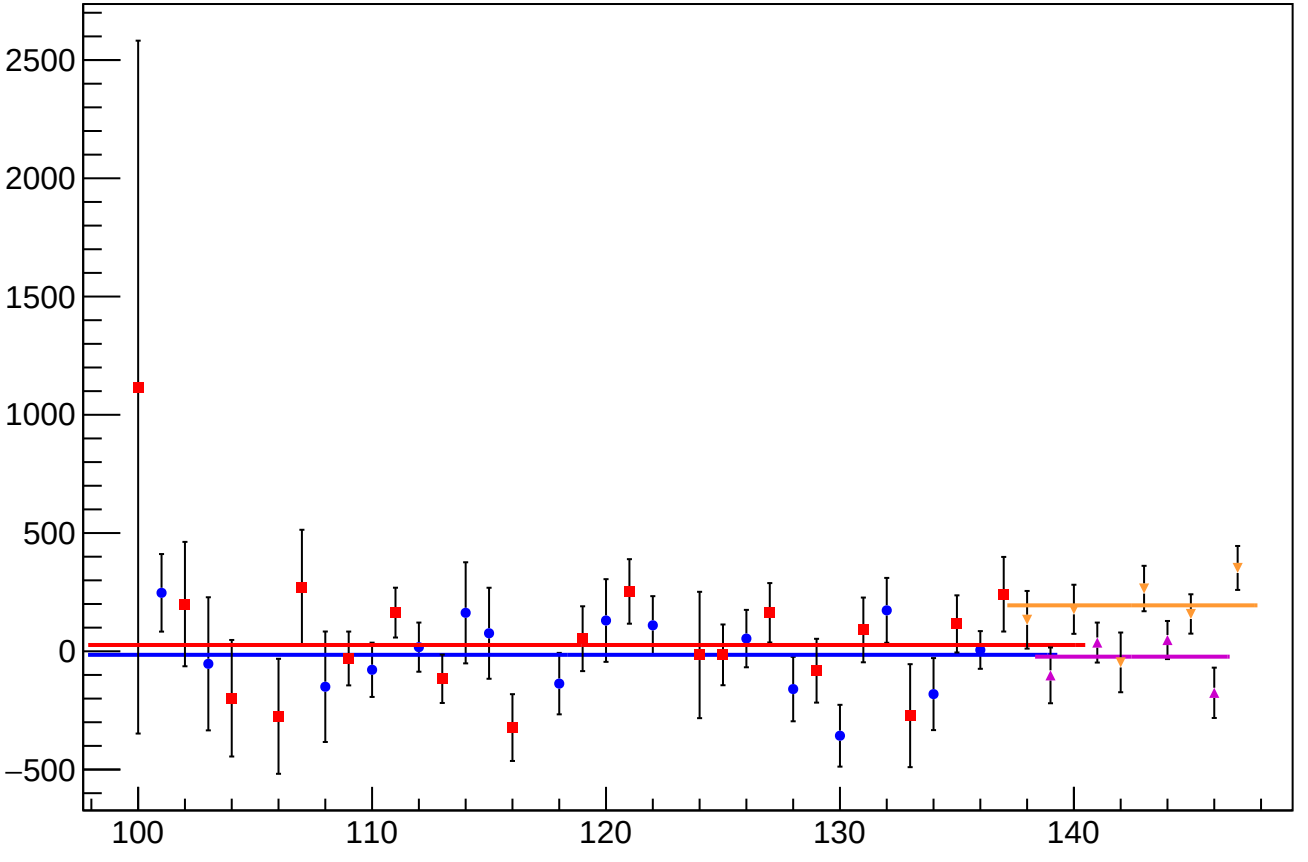
Left In: 498.617+/-0.197 χ^2/NDF:425705.9/3

+ sign 665.535+/-0.149 χ^2/NDF: 3244504.0/21

All: 667.082+/-0.107 χ^2/NDF: 6403287.4/44

- sign 668.771+/-0.155 χ^2/NDF: 3158557.2/22

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.259+/-41.114 χ^2/NDF:7.6/5

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

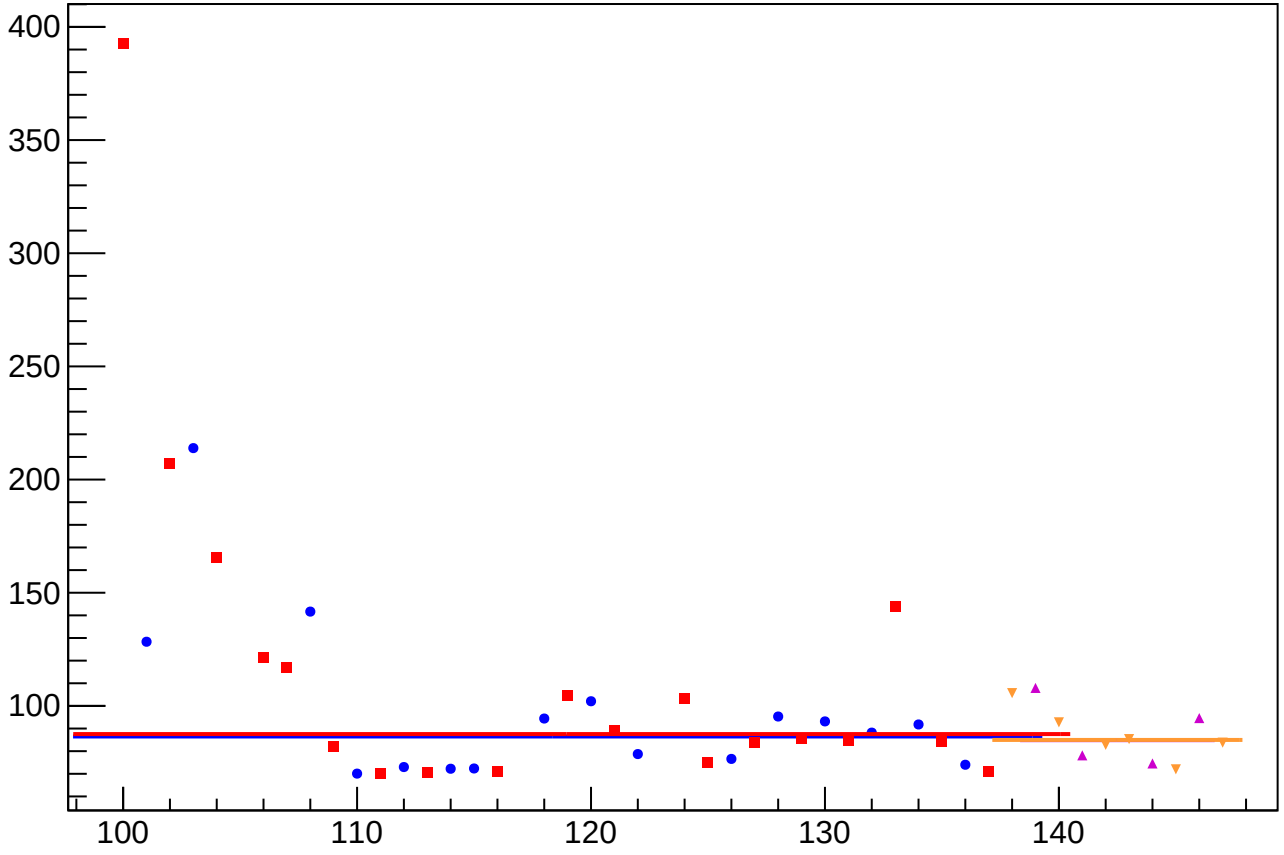
Left In: -22.770+/-46.919 χ^2/NDF:3.8/3

+ sign 69.303+/-26.092 χ^2/NDF: 41.3/21

All: 41.091+/-18.951 χ^2/NDF: 71.9/44

- sign 9.591+/-27.570 χ^2/NDF: 28.1/22

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 84.964+/-0.029 χ^2/NDF:118455.6/5

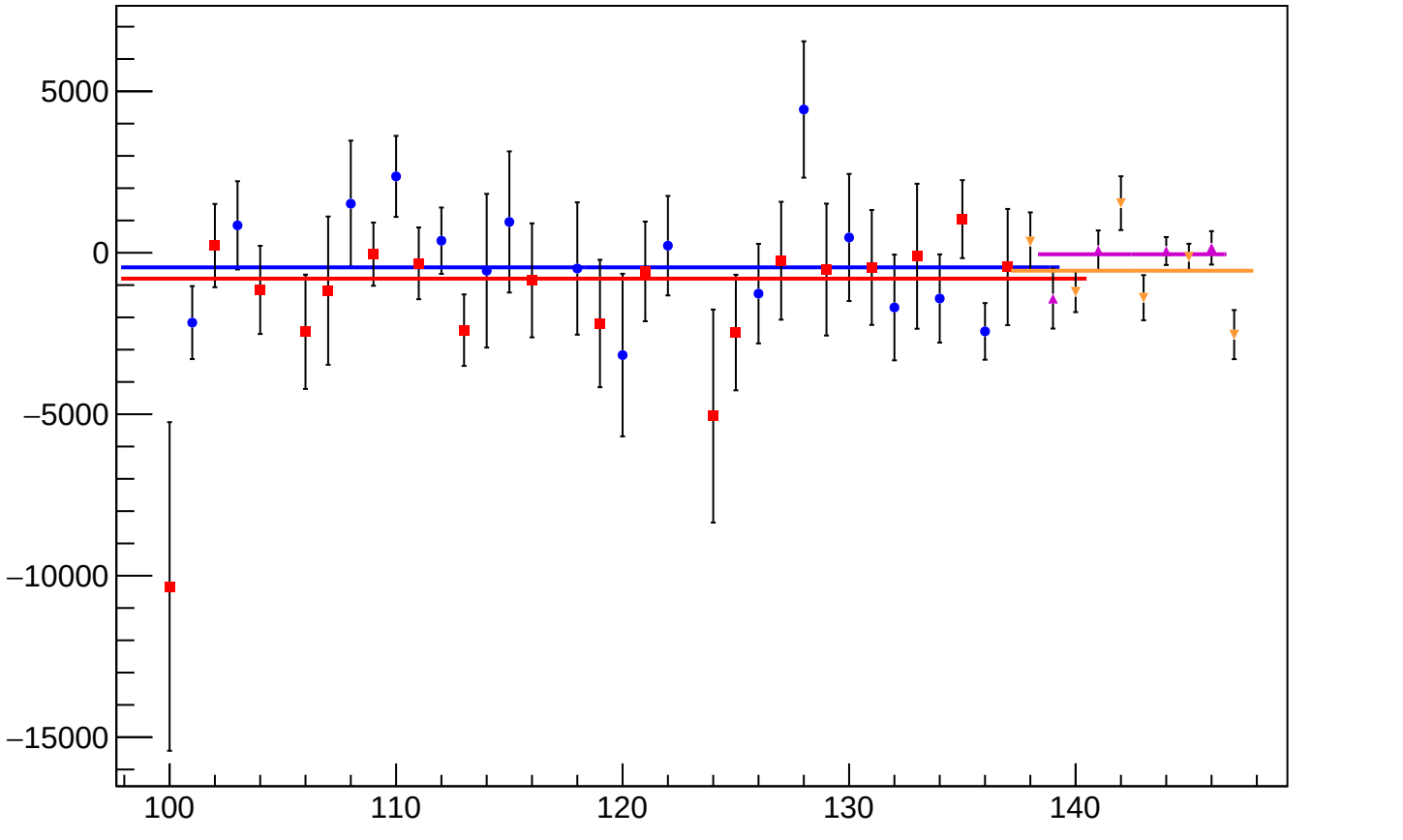
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 84.860+/-0.033 χ^2/NDF:138729.3/3

+ sign 85.875+/-0.018 χ^2/NDF: 976348.9/21

All: 86.229+/-0.013 χ^2/NDF: 2249969.1/44

- sign 86.625+/-0.019 χ^2/NDF: 1272840.6/22



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.087+/-257.154 χ^2/NDF:17.7/5

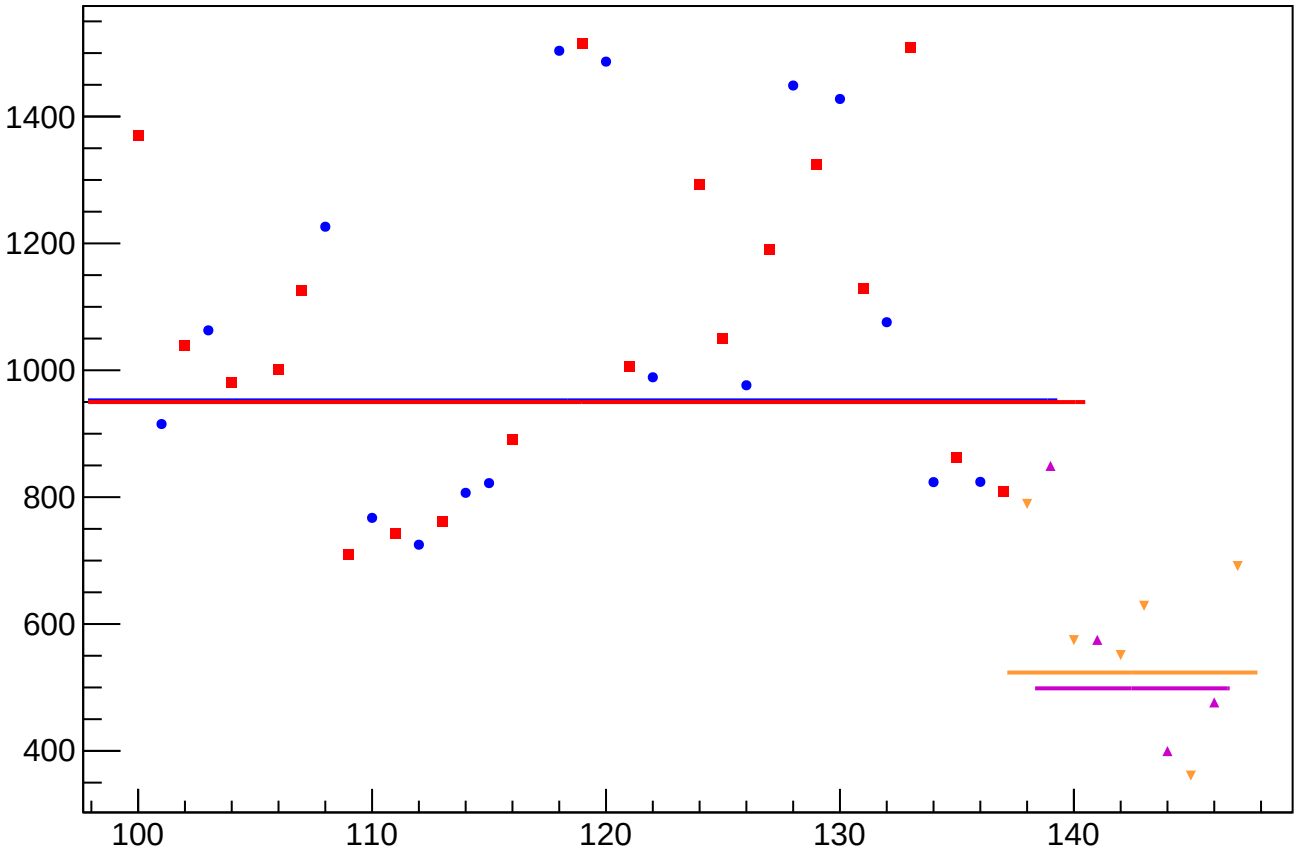
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -46.435+/-278.416 χ^2/NDF:2.4/3

+ sign -521.430+/-210.336 χ^2/NDF: 41.5/21

All: -430.390+/-151.947 χ^2/NDF: 60.7/44

- sign -331.023+/-219.745 χ^2/NDF: 18.8/22



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 523.541+/-0.182 χ^2/NDF:655791.1/5

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

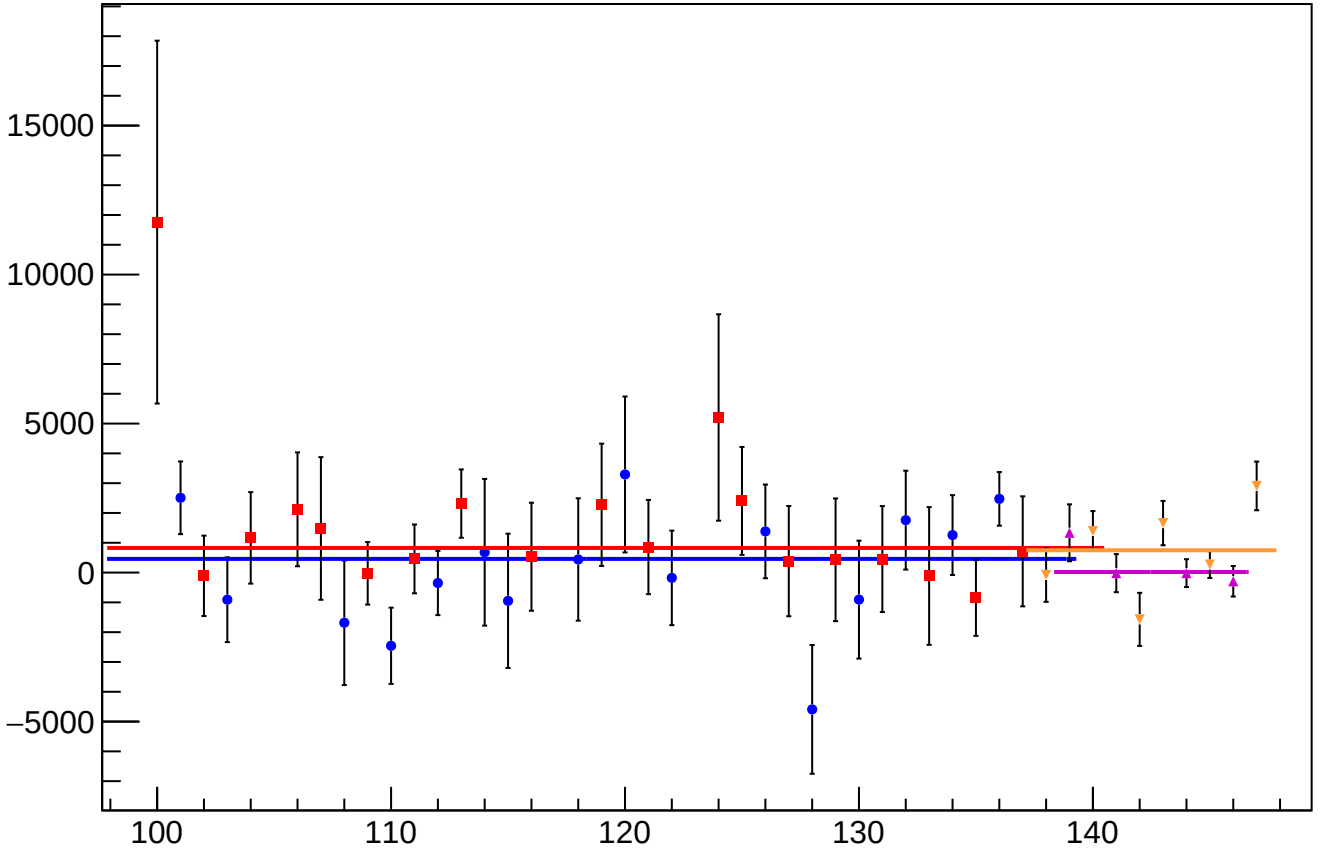
Left In: 498.617+/-0.197 χ^2/NDF:425707.4/3

+ sign 665.535+/-0.149 χ^2/NDF: 3244504.9/21

All: 667.081+/-0.107 χ^2/NDF: 6403283.1/44

- sign 668.770+/-0.155 χ^2/NDF: 3158551.9/22

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 748.748+/-277.443 χ^2/NDF:18.2/5

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

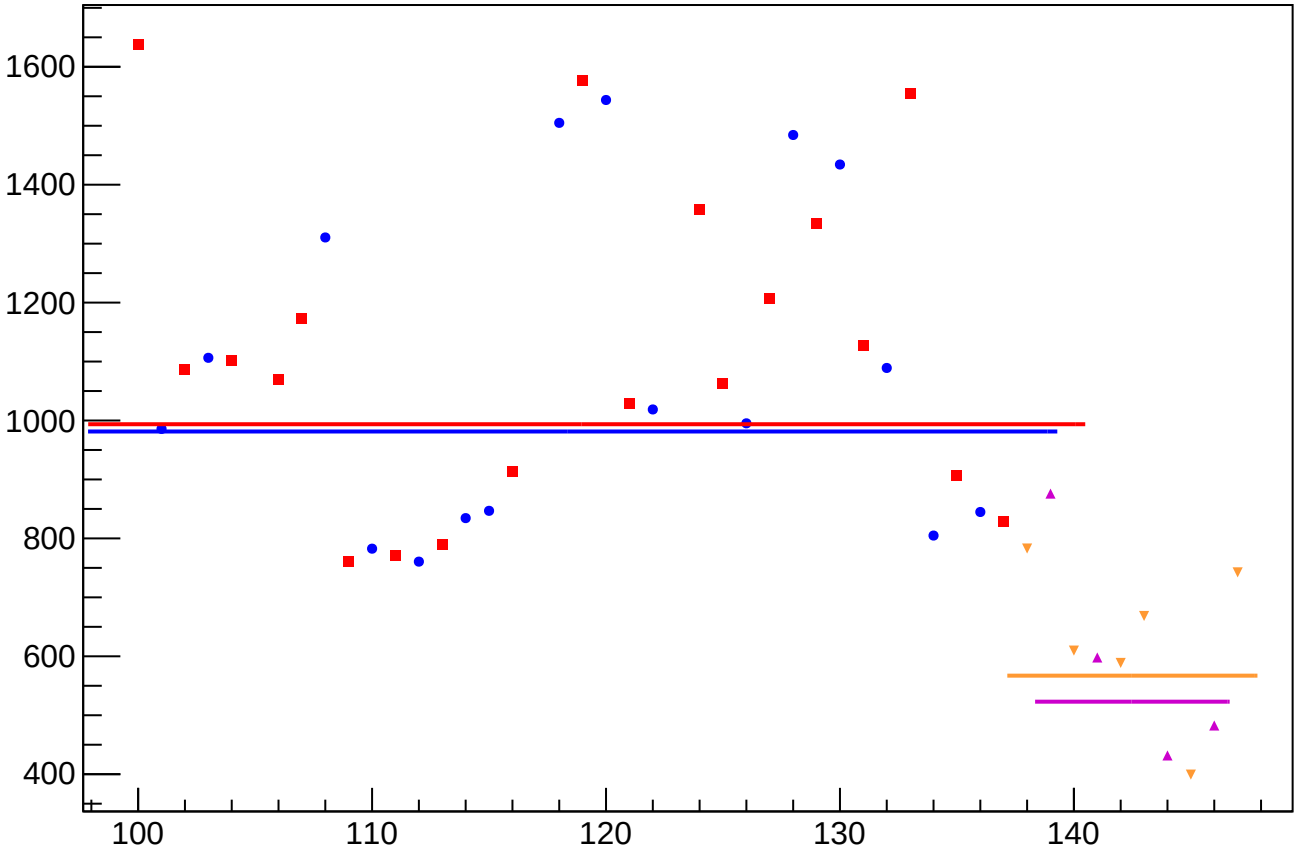
Left In: 18.493+/-289.701 χ^2/NDF:2.3/3

+ sign 646.959+/-223.429 χ^2/NDF: 43.1/21

All: 488.181+/-159.950 χ^2/NDF: 61.0/44

- sign 321.263+/-229.084 χ^2/NDF: 16.9/22

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 567.170+/-0.196 χ^2/NDF:532301.9/5

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

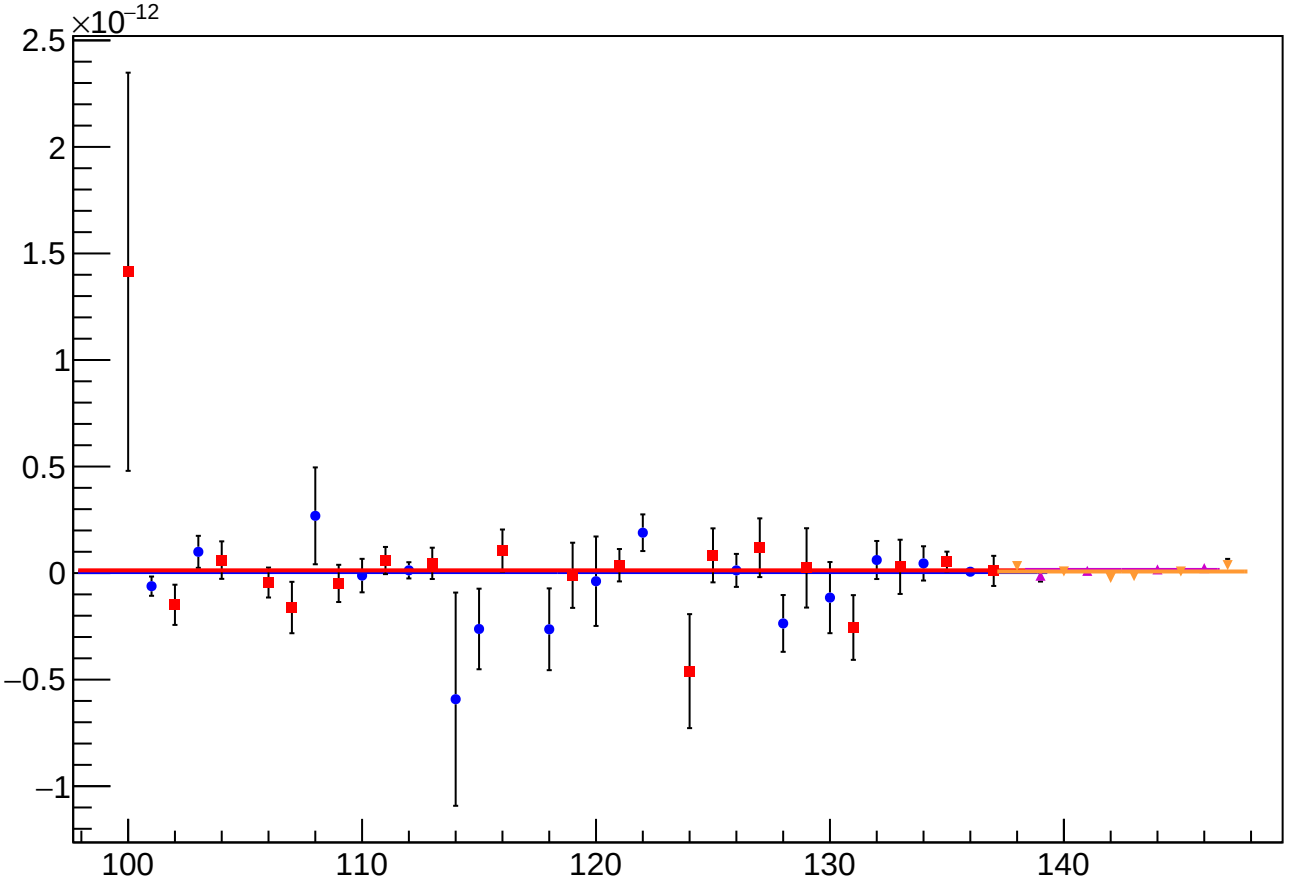
Left In: 523.021+/-0.205 χ^2/NDF:389411.8/3

+ sign 712.741+/-0.158 χ^2/NDF: 2836485.2/21

All: 706.226+/-0.113 χ^2/NDF: 5927206.8/44

- sign 699.378+/-0.162 χ^2/NDF: 3087233.6/22

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/5

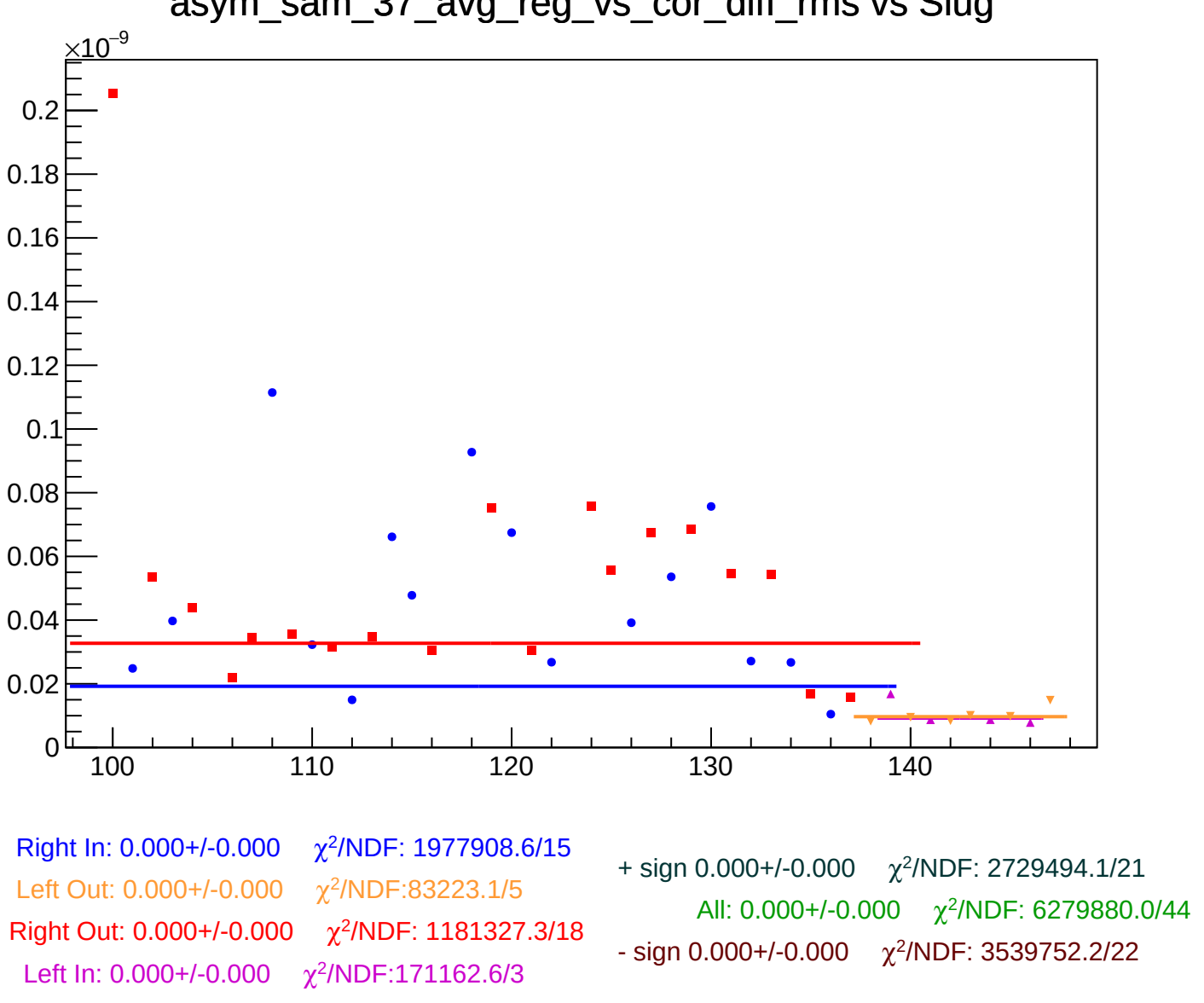
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

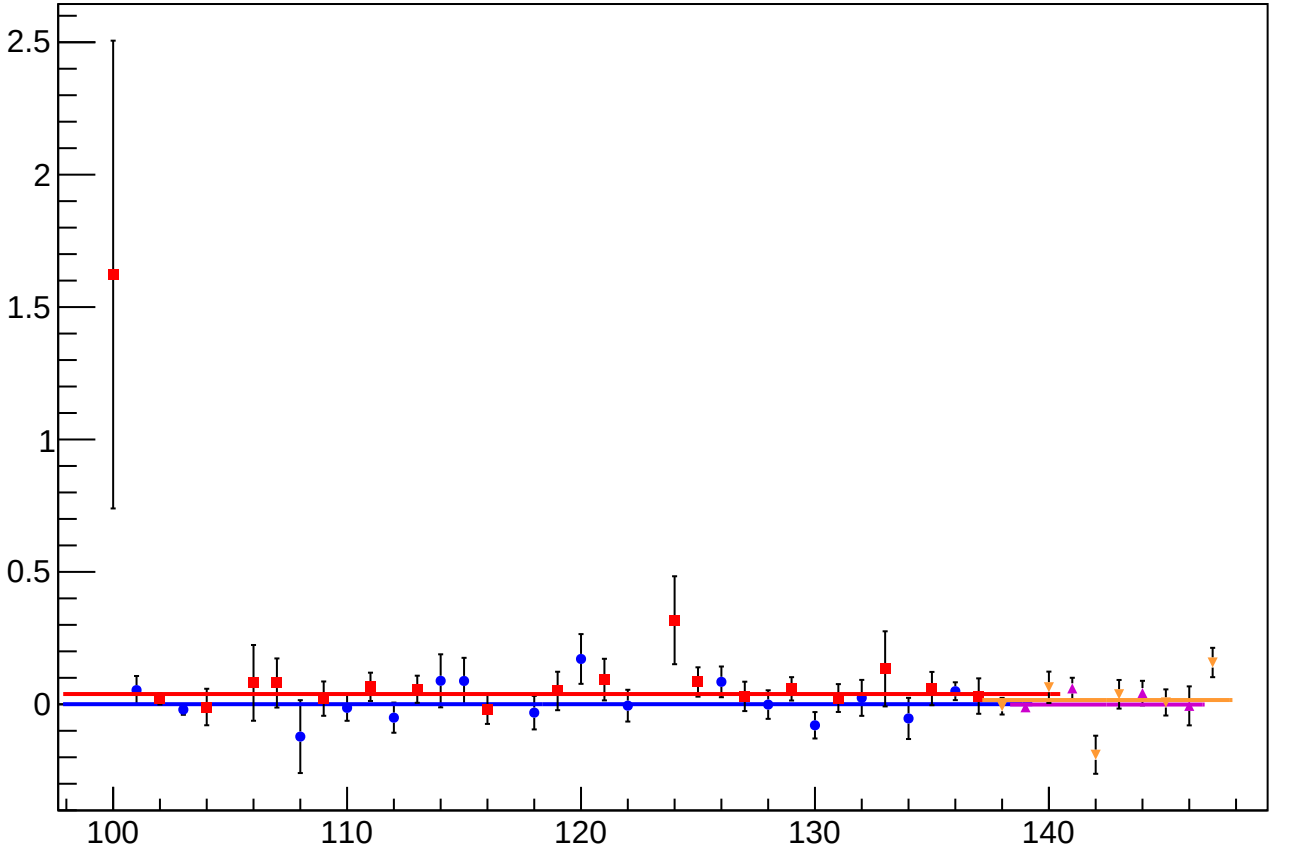
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 46.1/44

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:83223.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:171162.6/3
+ sign 0.000+/-0.000 χ²/NDF: 2729494.1/21
All: 0.000+/-0.000 χ²/NDF: 6279880.0/44
- sign 0.000+/-0.000 χ²/NDF: 3539752.2/22

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: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

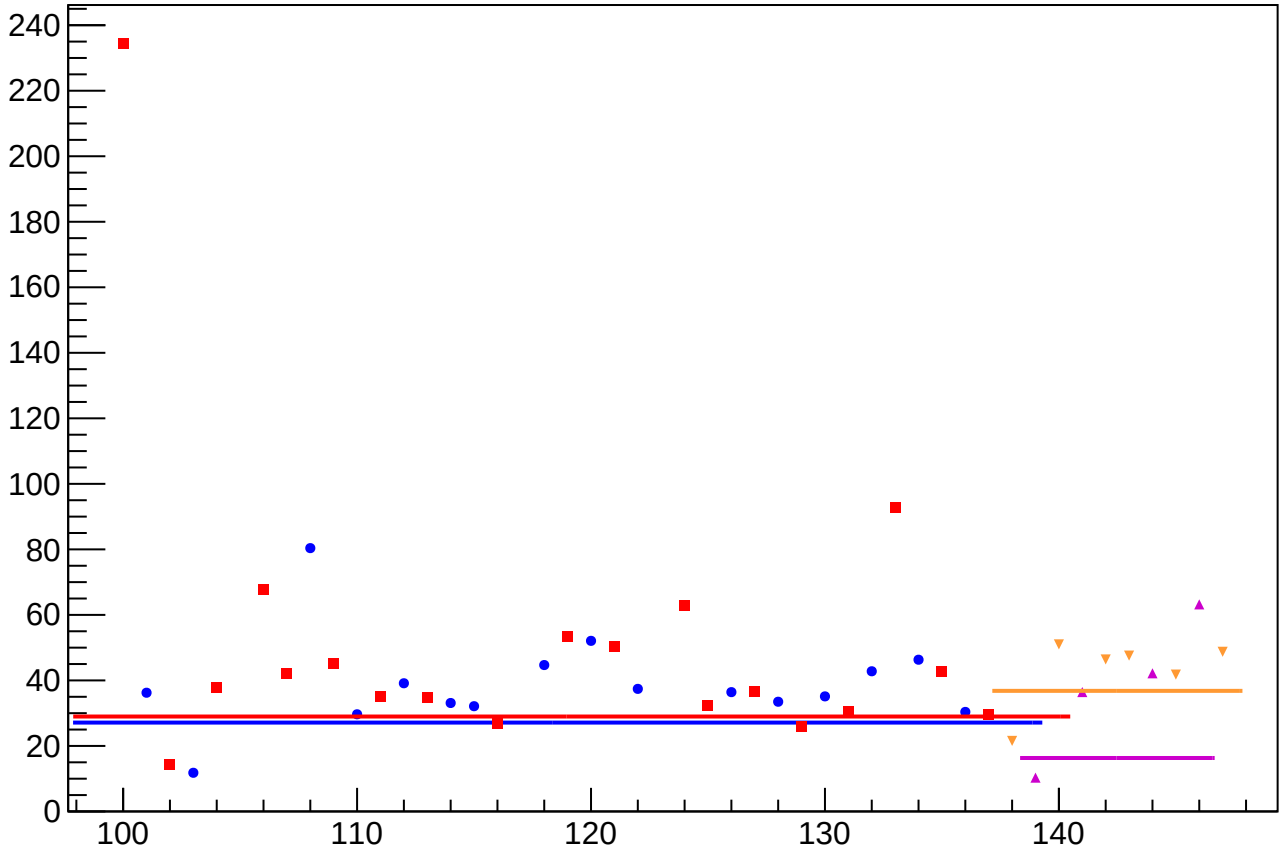
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 54.1/44

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 36.812+/-0.014 χ^2/NDF:816371.3/5

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

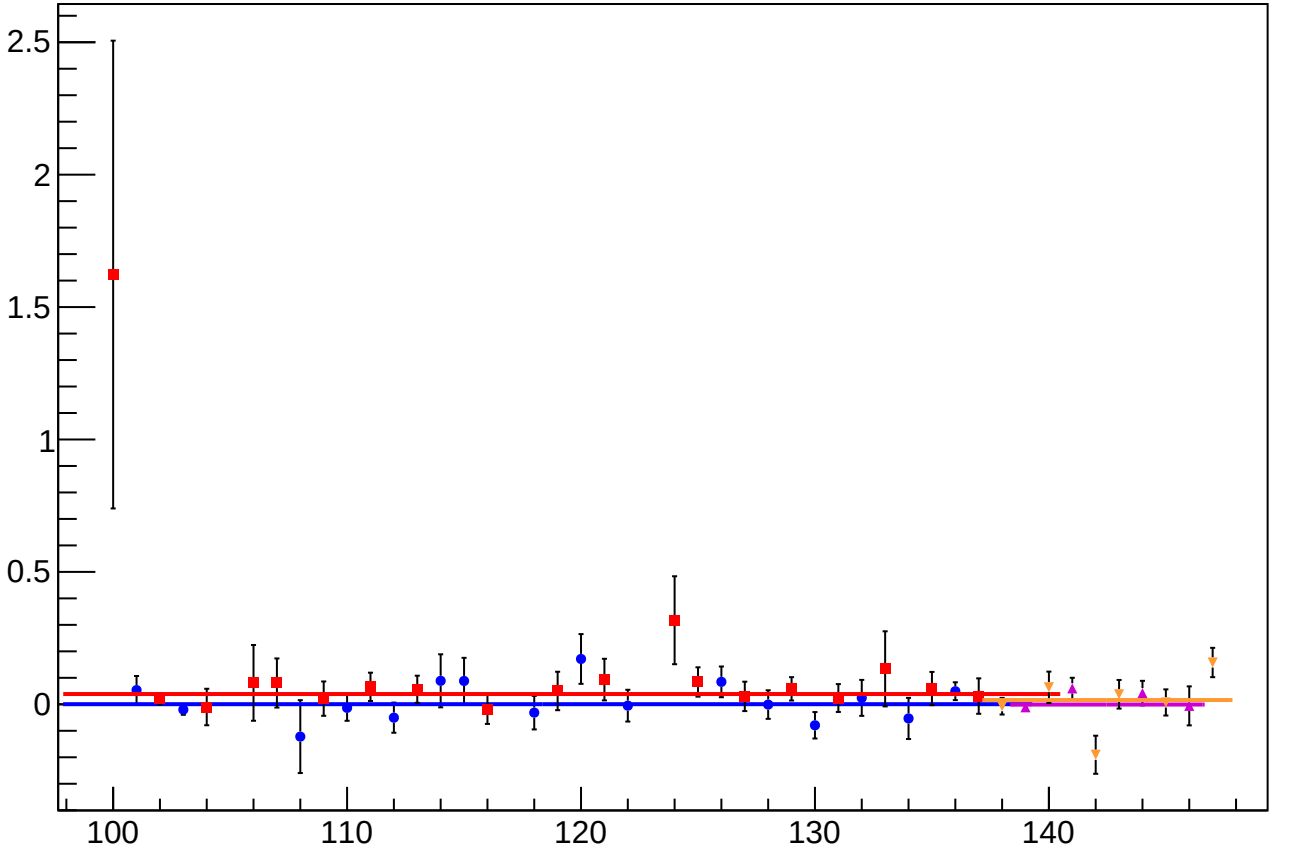
Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

+ sign 29.756+/-0.007 χ^2/NDF: 3583208.8/21

All: 25.479+/-0.005 χ^2/NDF: 10021684.4/44

- sign 22.380+/-0.006 χ^2/NDF: 5840457.8/22

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: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

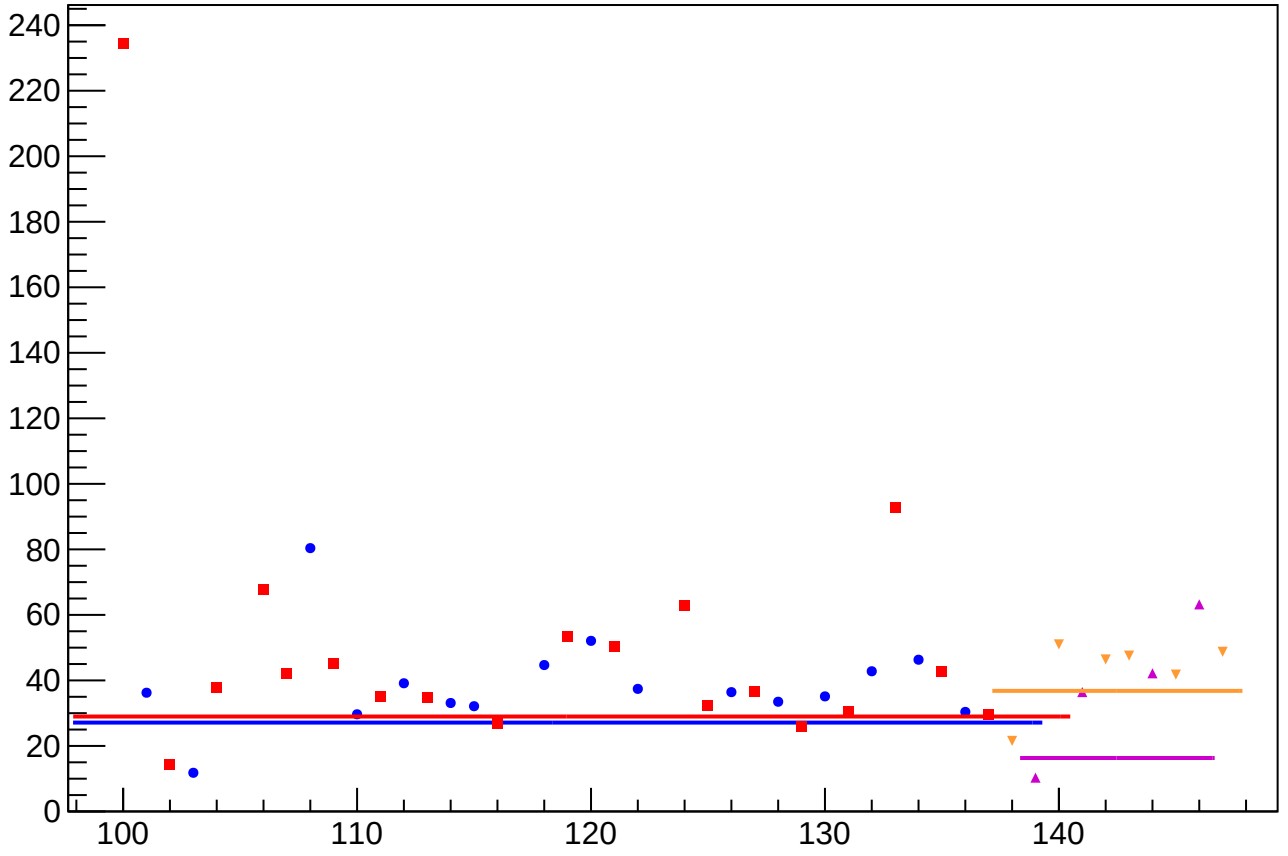
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 54.1/44

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 36.812+/-0.014 χ^2/NDF:816371.3/5

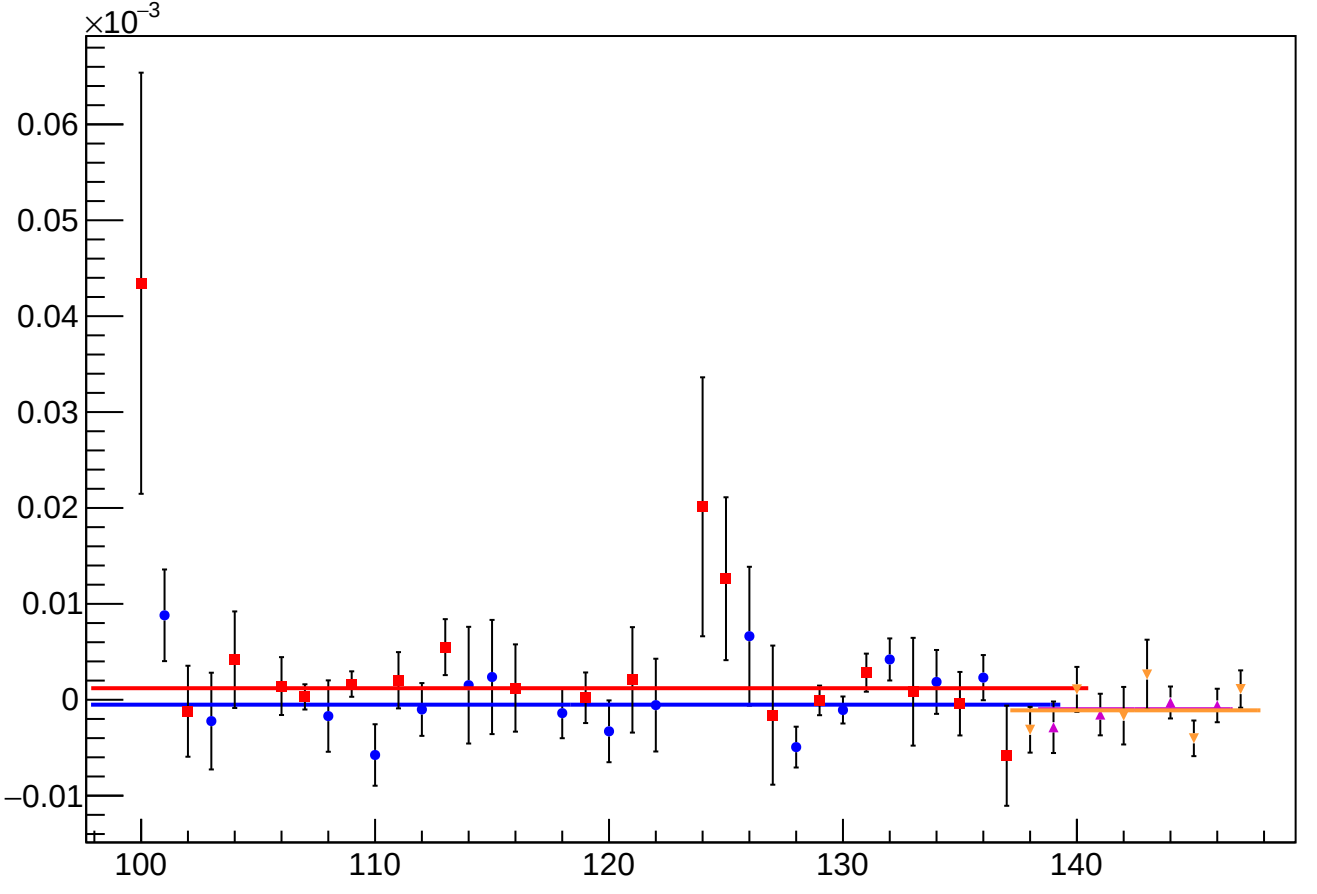
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

+ sign 29.756+/-0.007 χ^2/NDF: 3583208.8/21

All: 25.479+/-0.005 χ^2/NDF: 10021684.4/44

- sign 22.380+/-0.006 χ^2/NDF: 5840457.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/5

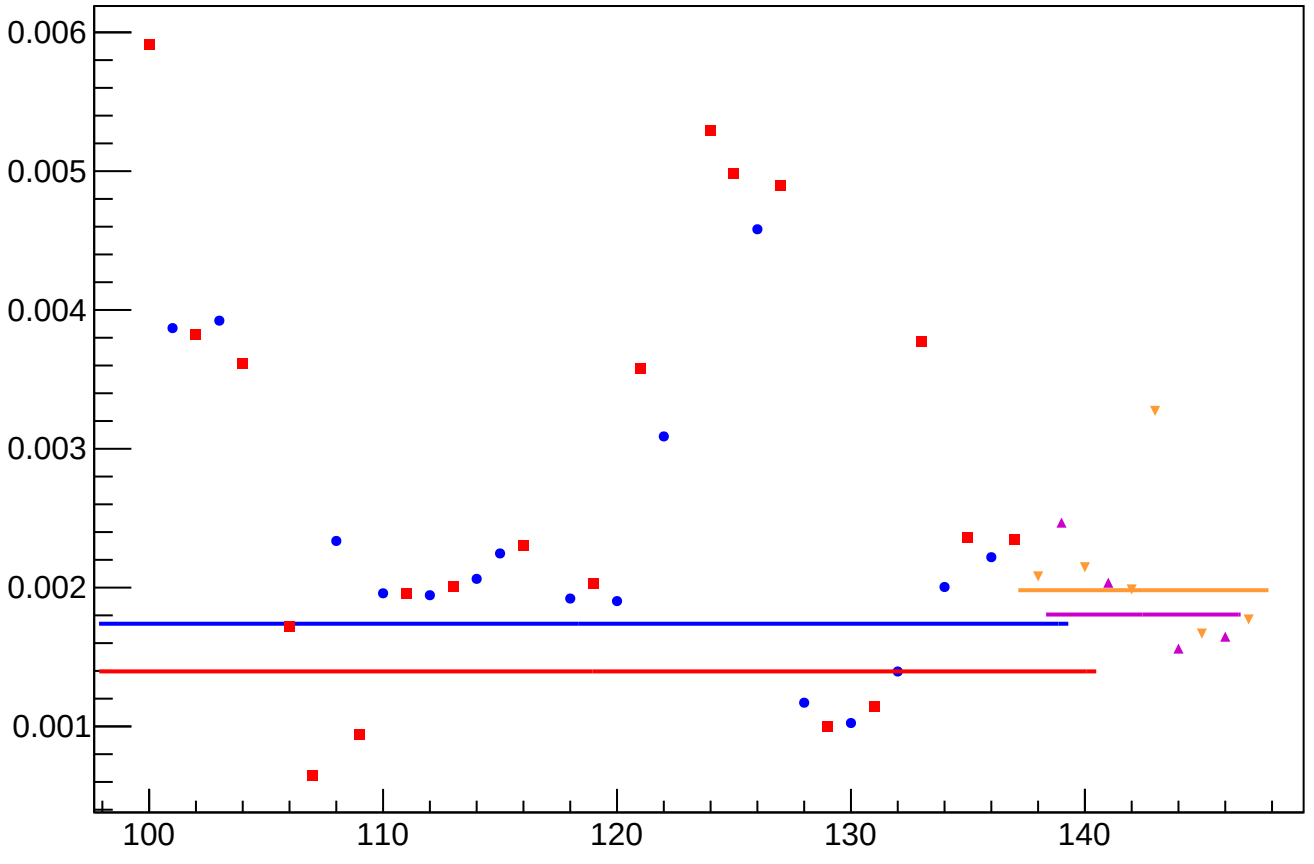
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/21

All: -0.000+/-0.000 χ^2/NDF: 48.5/44

- sign 0.000+/-0.000 χ^2/NDF: 19.0/22



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:346513.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

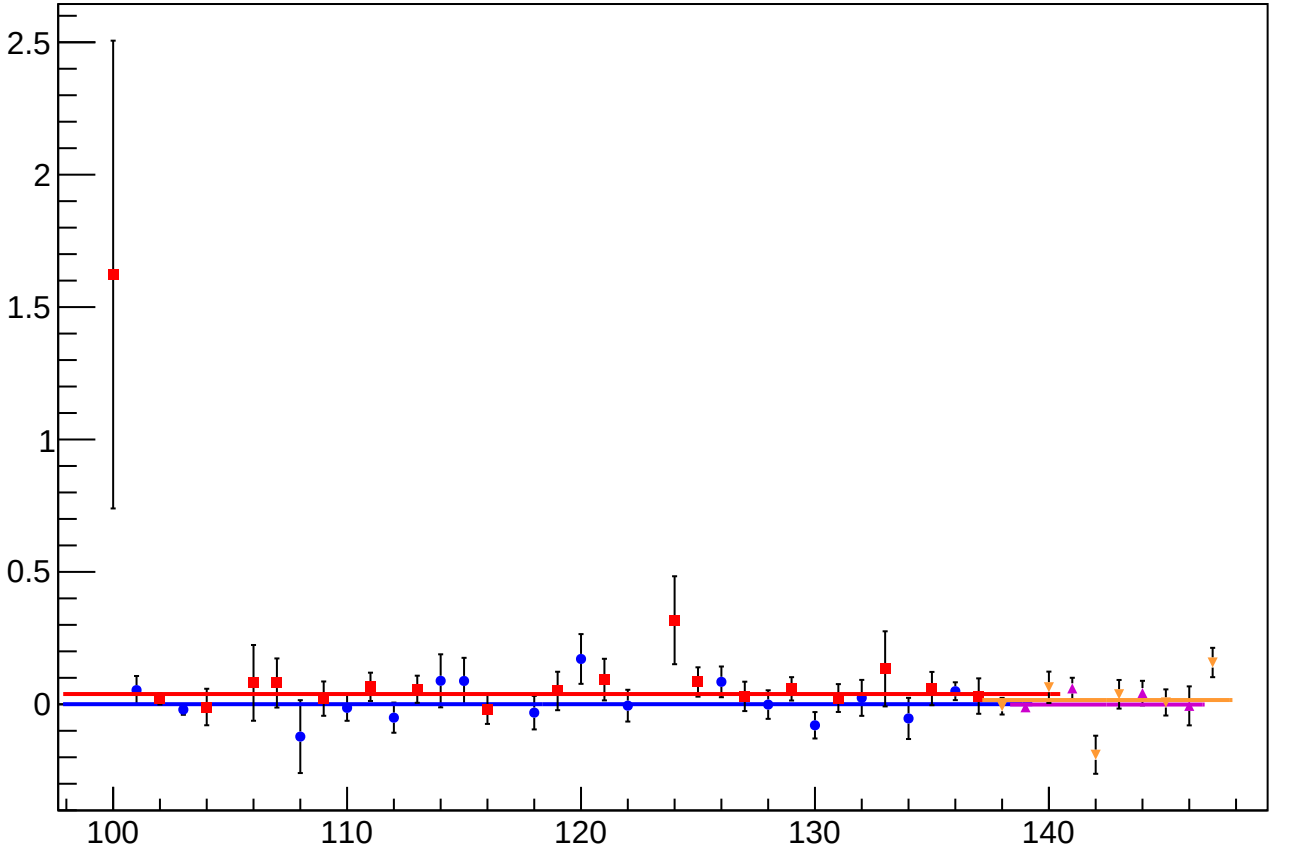
Left In: 0.002+/-0.000 χ^2/NDF:203970.1/3

+ sign 0.002+/-0.000 χ^2/NDF: 2575183.1/21

All: 0.002+/-0.000 χ^2/NDF: 7687035.8/44

- sign 0.002+/-0.000 χ^2/NDF: 4778386.6/22

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

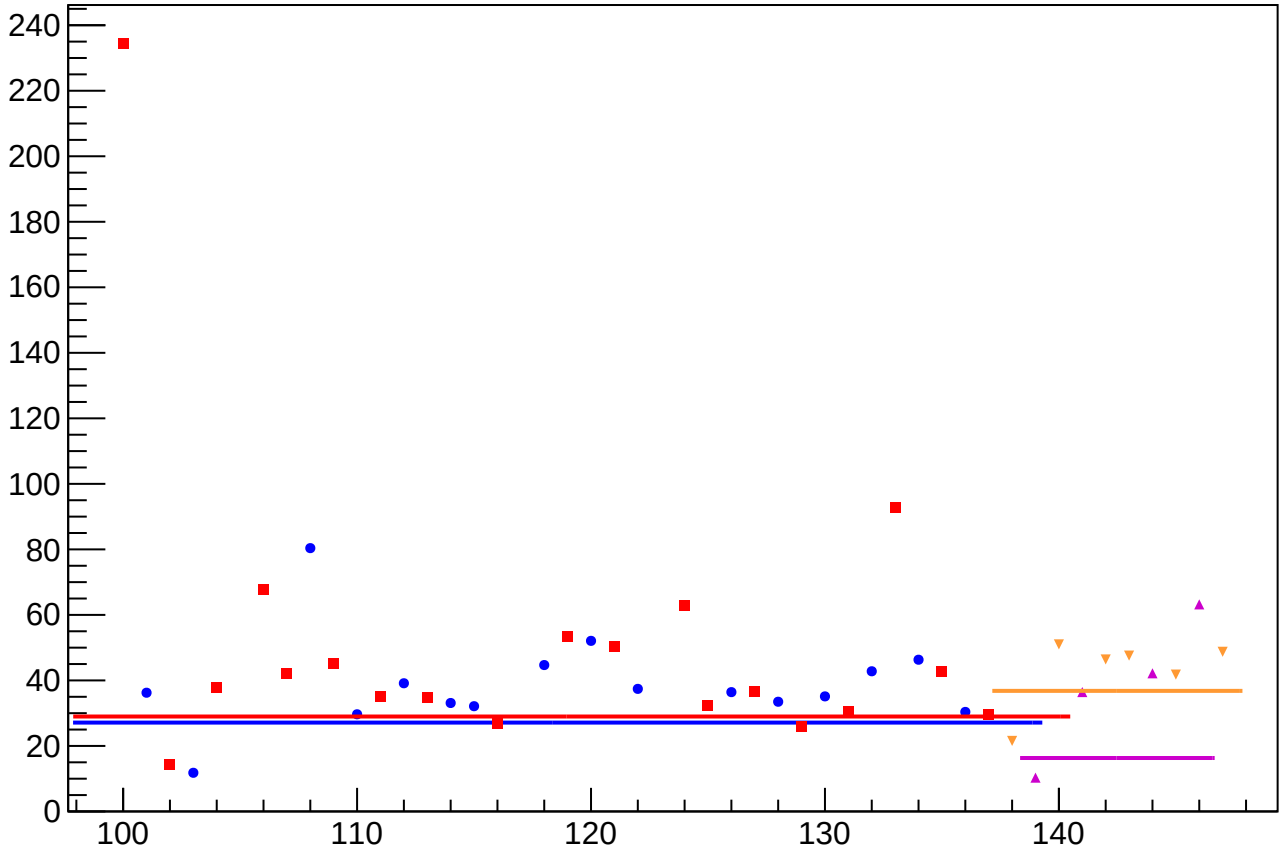
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 54.1/44

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 36.810+/-0.014 χ^2/NDF:816722.3/5

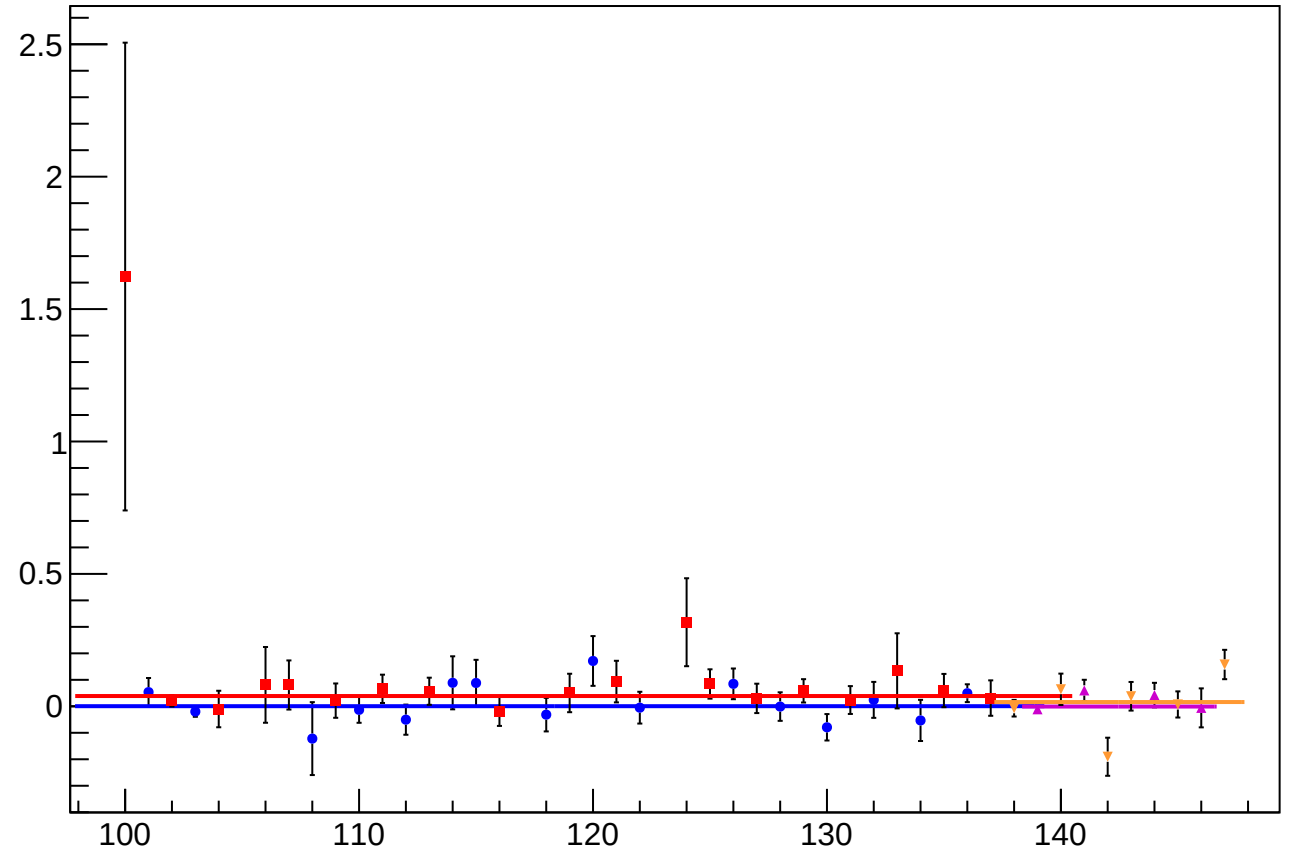
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

+ sign 29.755+/-0.007 χ^2/NDF: 3583792.3/21

All: 25.478+/-0.005 χ^2/NDF: 10022640.8/44

- sign 22.379+/-0.006 χ^2/NDF: 5840893.7/22



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

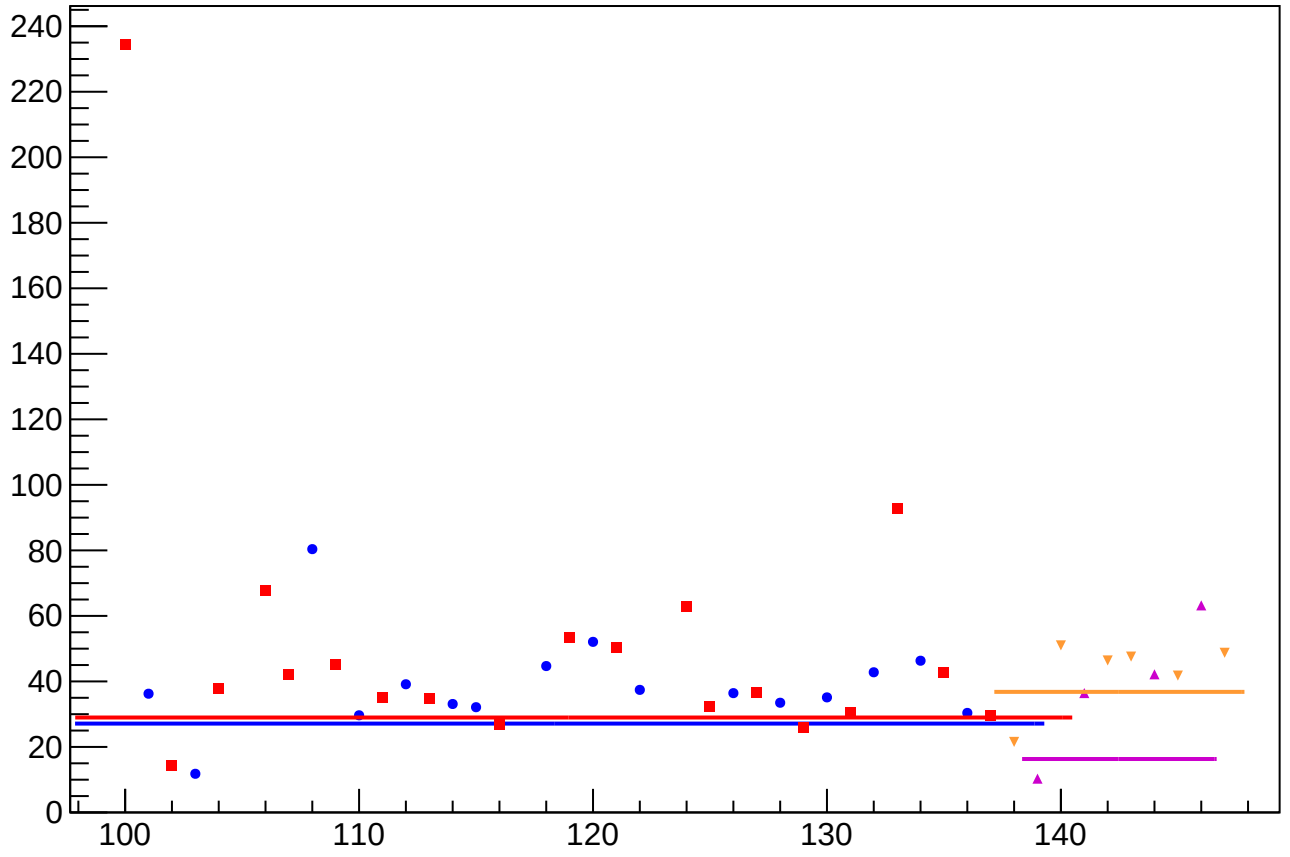
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 54.1/44

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 36.810+/-0.014 χ^2/NDF:816722.3/5

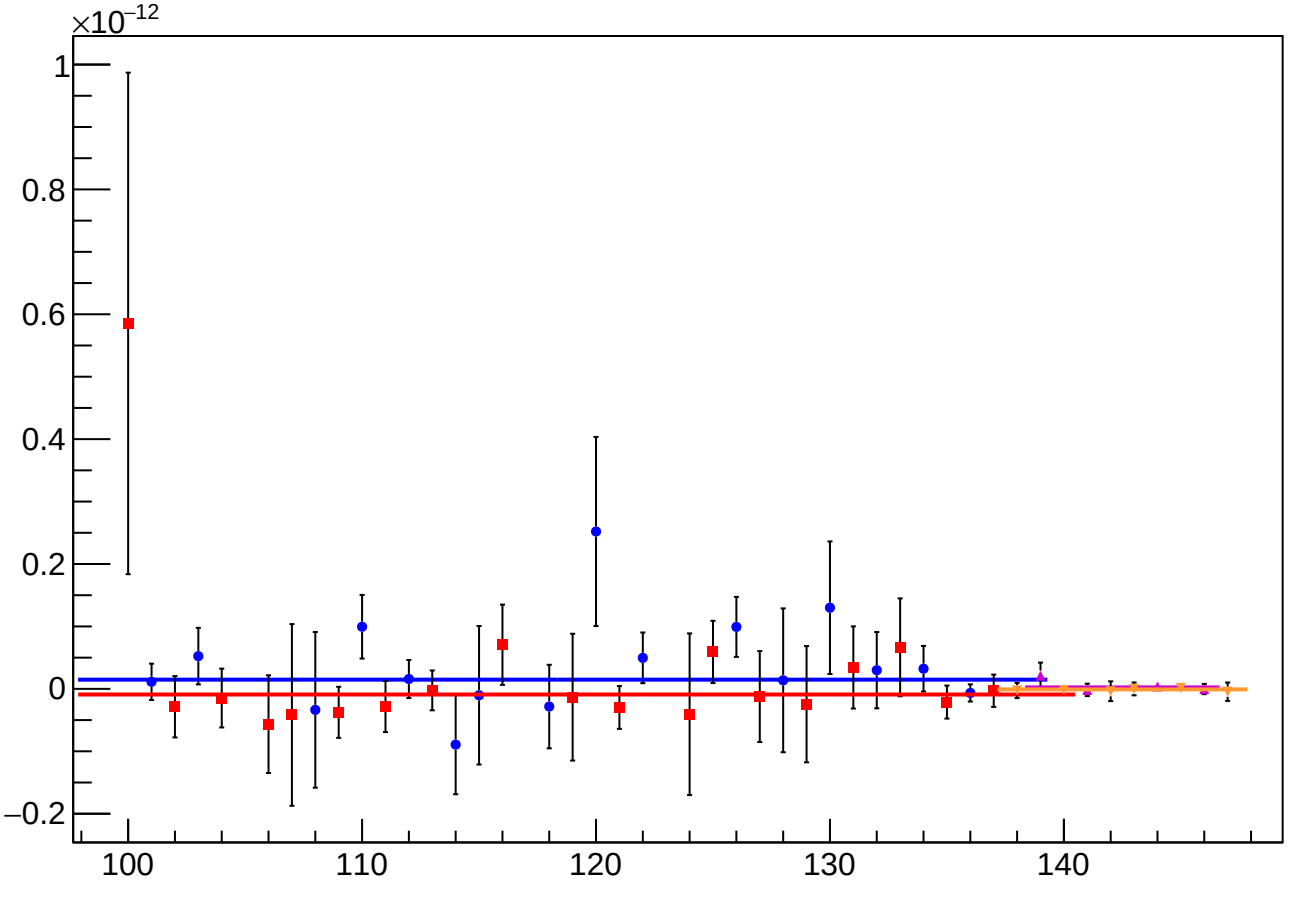
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

+ sign 29.755+/-0.007 χ^2/NDF: 3583792.3/21

All: 25.478+/-0.005 χ^2/NDF: 10022640.8/44

- sign 22.379+/-0.006 χ^2/NDF: 5840893.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/5

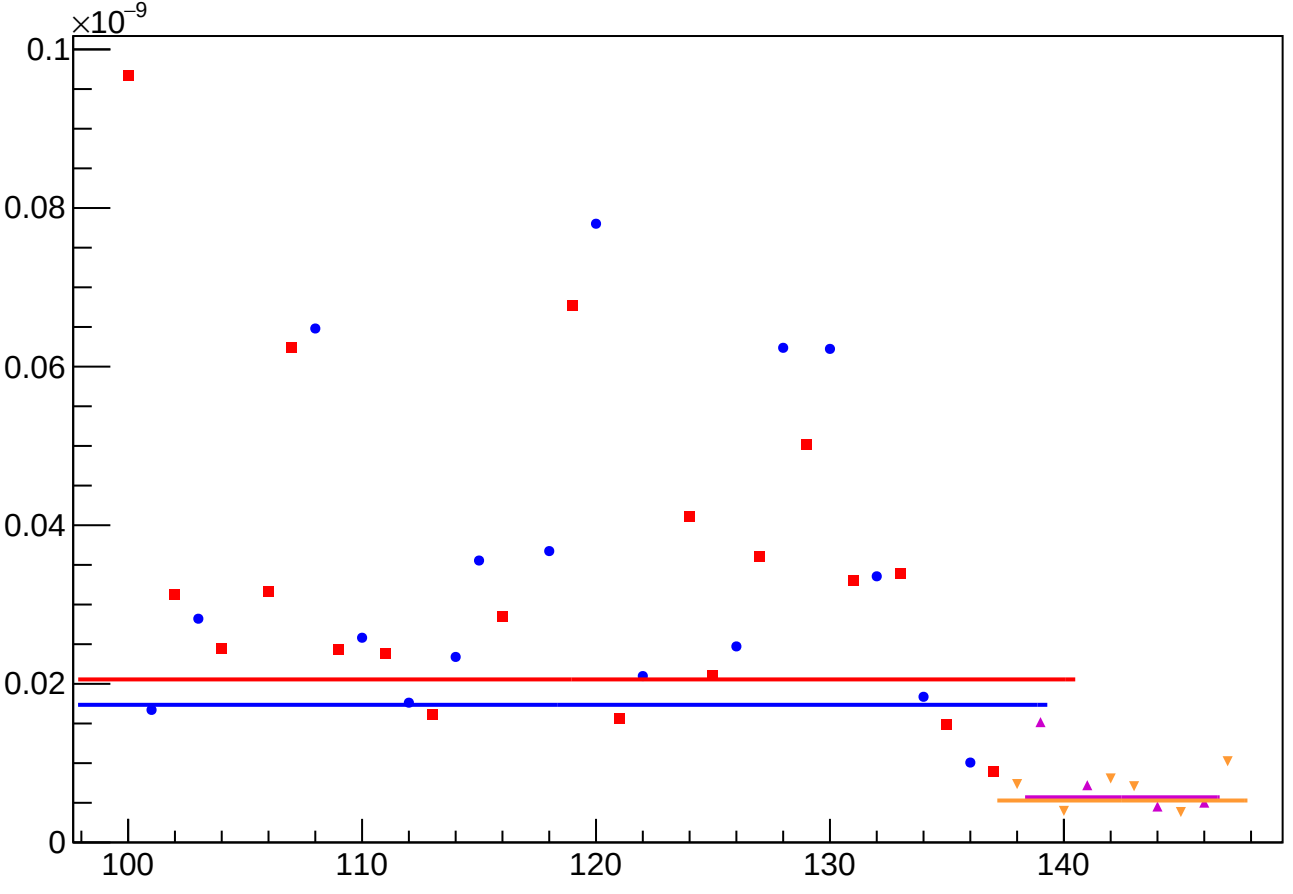
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.6/21

All: 0.000+/-0.000 χ^2/NDF: 29.7/44

- sign 0.000+/-0.000 χ^2/NDF: 11.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:585616.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

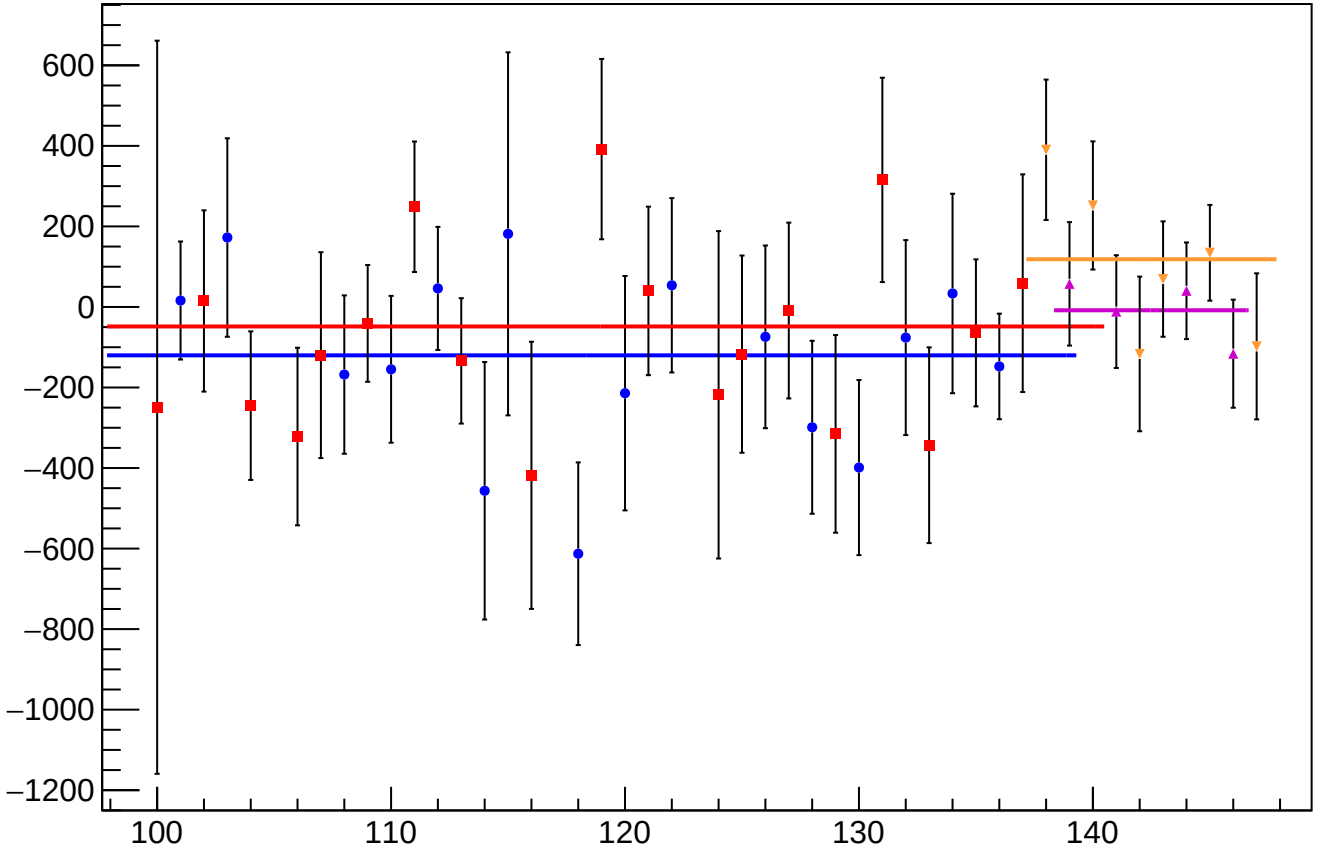
Left In: 0.000+/-0.000 χ^2/NDF:539315.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5846473.8/21

All: 0.000+/-0.000 χ^2/NDF: 11597672.2/44

- sign 0.000+/-0.000 χ^2/NDF: 5694724.3/22

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.467+/-63.326 χ^2/NDF:6.2/5

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

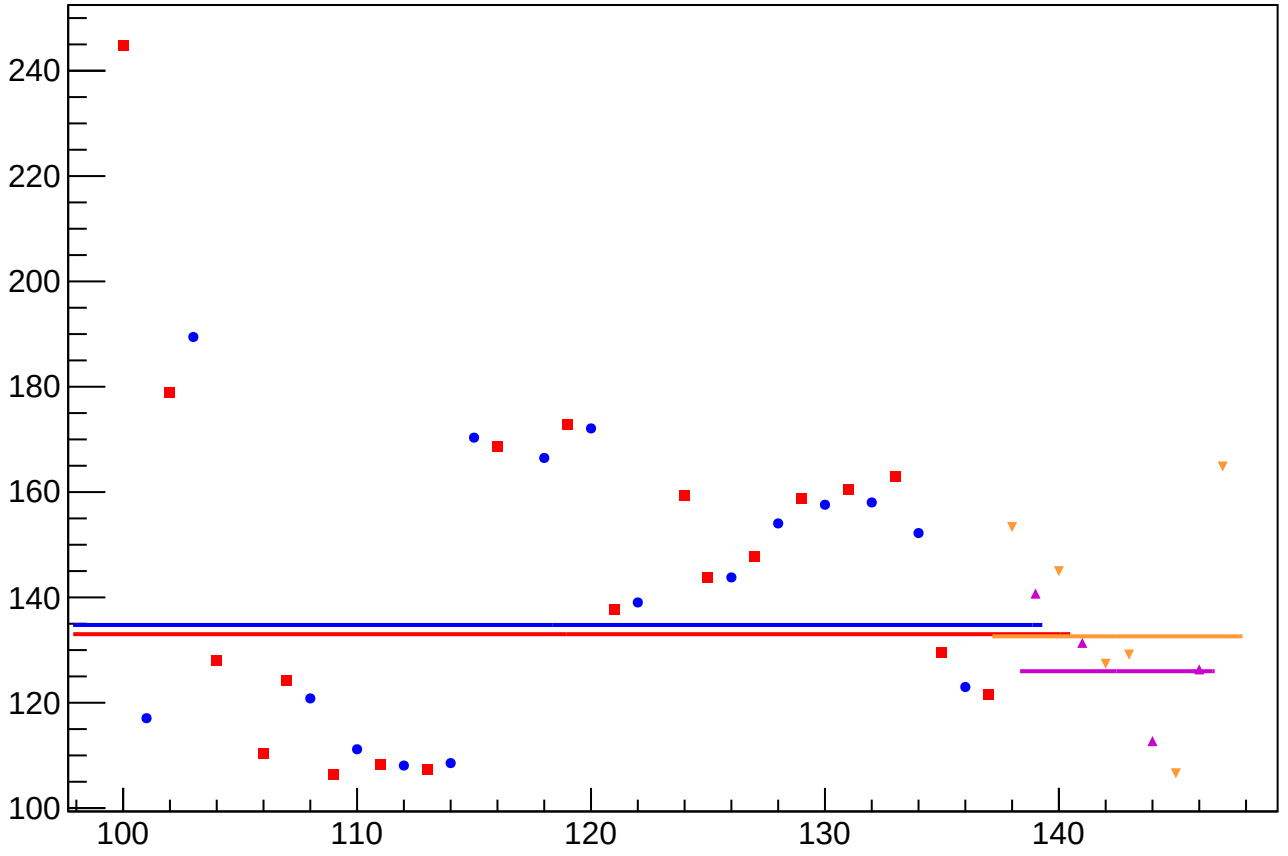
Left In: -8.253+/-67.641 χ^2/NDF:1.0/3

+ sign -26.048+/-39.769 χ^2/NDF: 28.2/21

All: -30.123+/-28.258 χ^2/NDF: 46.4/44

- sign -34.279+/-40.161 χ^2/NDF: 18.2/22

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

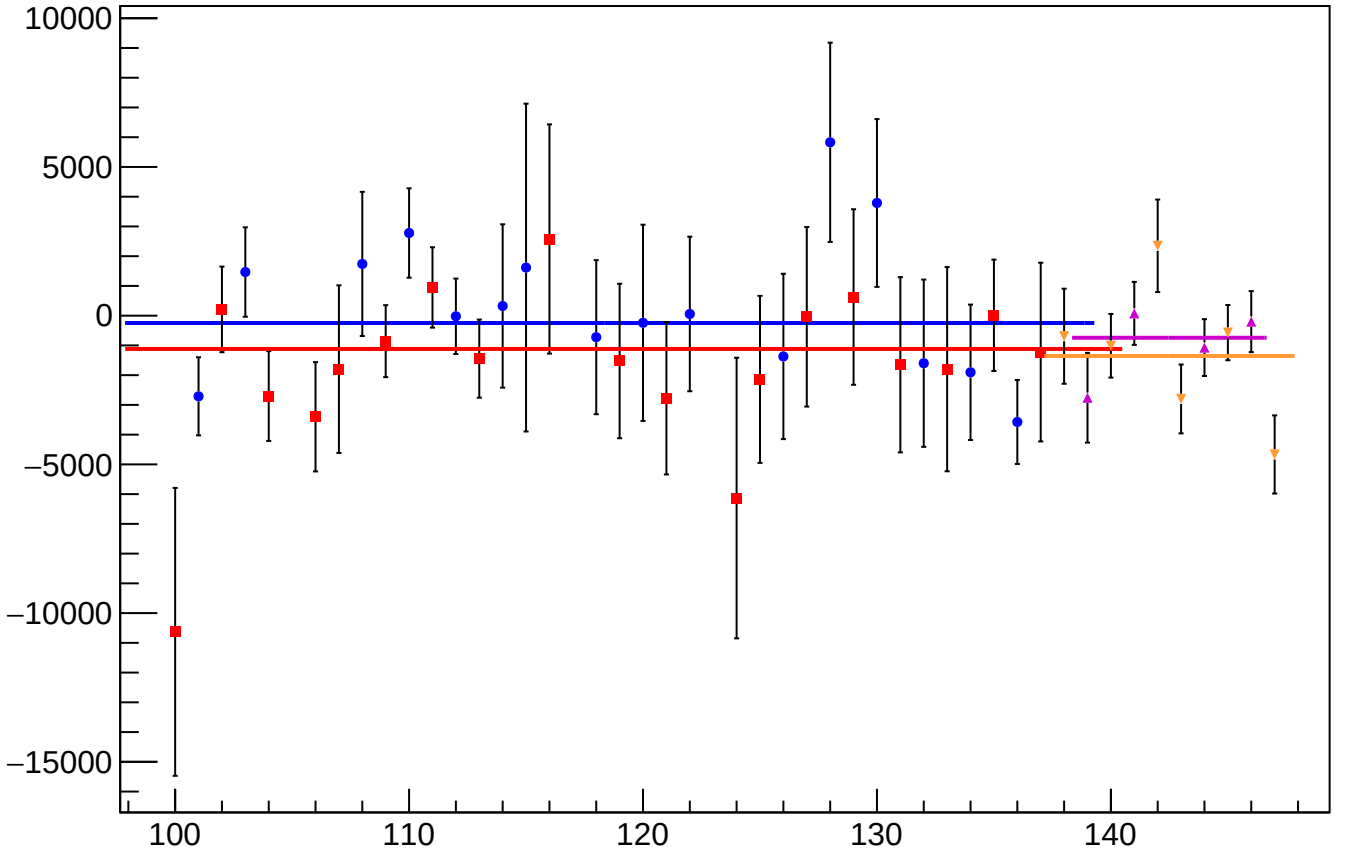
Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 133.919+/-0.028 χ^2/NDF: 620175.5/21

All: 132.247+/-0.020 χ^2/NDF: 1182914.9/44

- sign 130.542+/-0.028 χ^2/NDF: 555597.9/22

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1354.540+/-490.150 χ^2/NDF:14.6/5

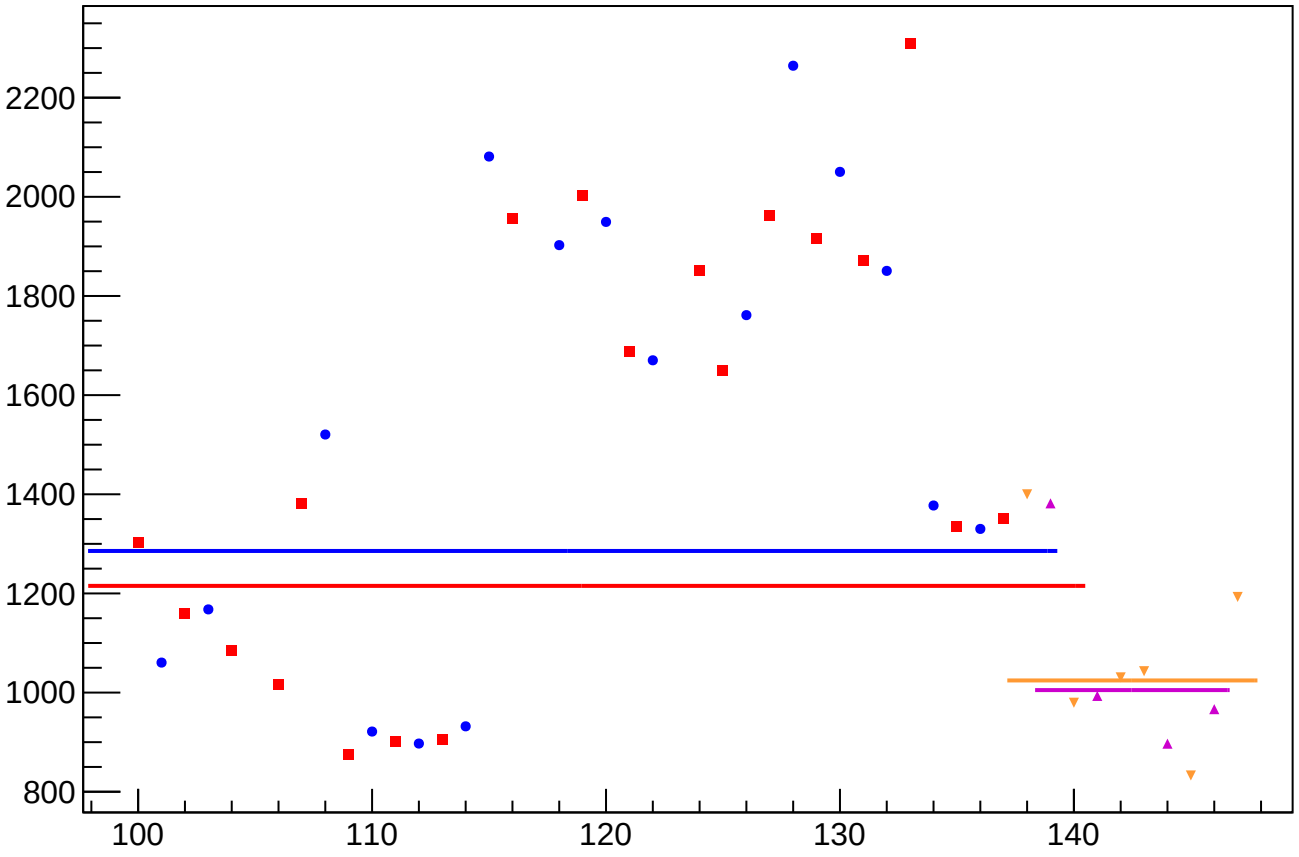
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -742.876+/-544.061 χ^2/NDF:2.8/3

+ sign -813.035+/-350.503 χ^2/NDF: 38.7/21

All: -885.158+/-249.407 χ^2/NDF: 55.2/44

- sign -959.131+/-354.970 χ^2/NDF: 16.5/22



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1024.486+/-0.347 χ^2/NDF:232458.4/5

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

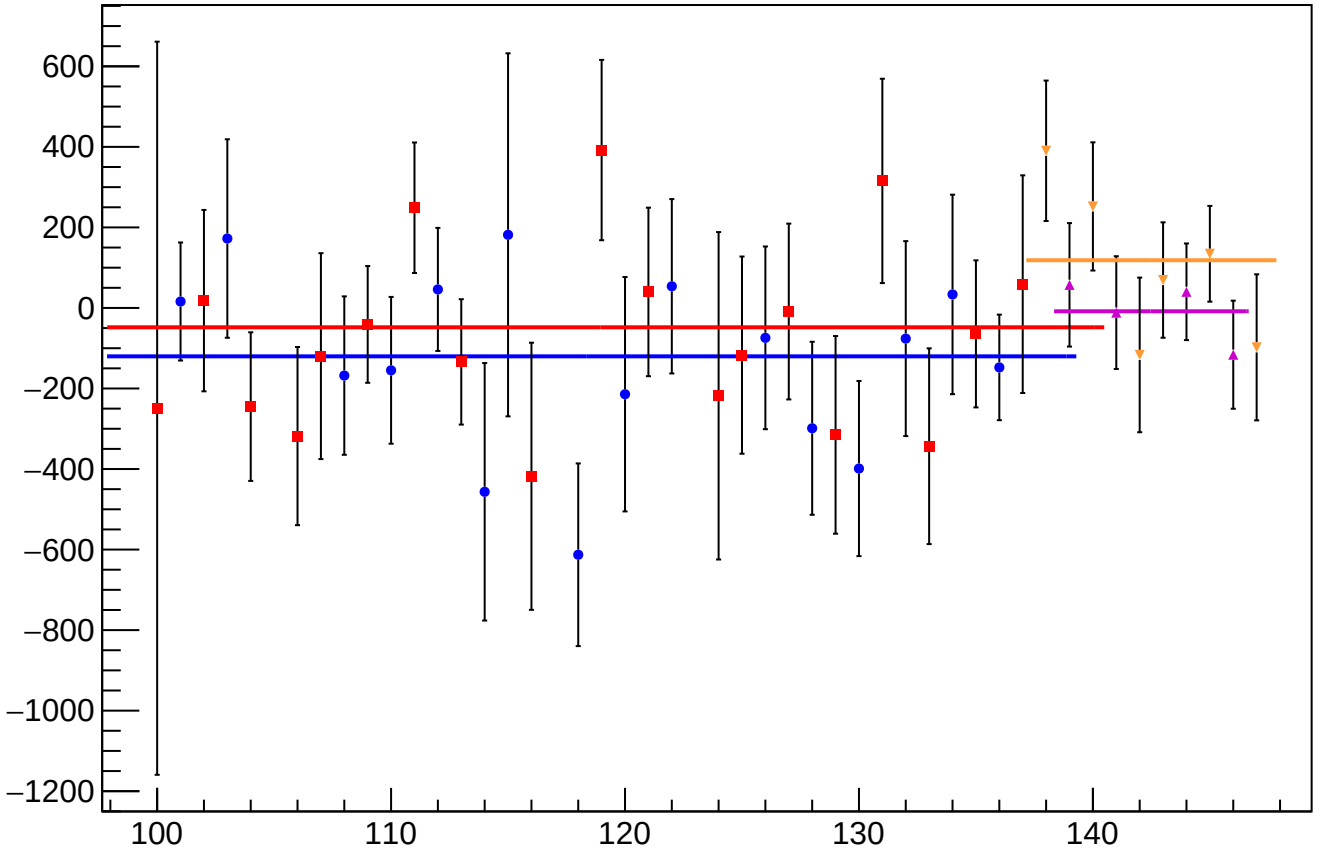
Left In: 1005.024+/-0.385 χ^2/NDF:153323.6/3

+ sign 1152.111+/-0.248 χ^2/NDF: 1680386.7/21

All: 1139.099+/-0.176 χ^2/NDF: 3397061.0/44

- sign 1125.752+/-0.251 χ^2/NDF: 1711090.7/22

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

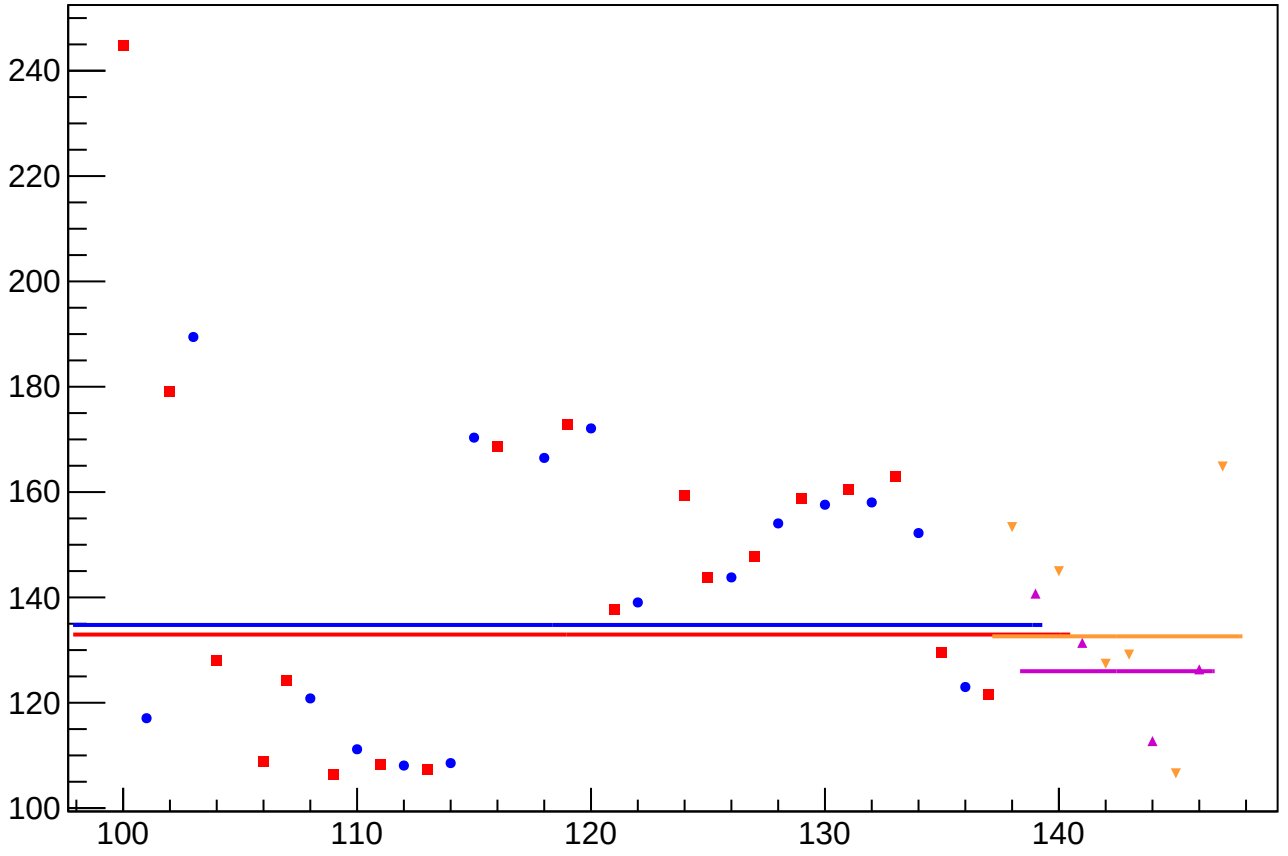
Left In: -8.266+/-67.641 χ^2/NDF:1.0/3

+ sign -26.045+/-39.769 χ^2/NDF: 28.2/21

All: -29.982+/-28.260 χ^2/NDF: 46.4/44

- sign -33.998+/-40.165 χ^2/NDF: 18.2/22

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

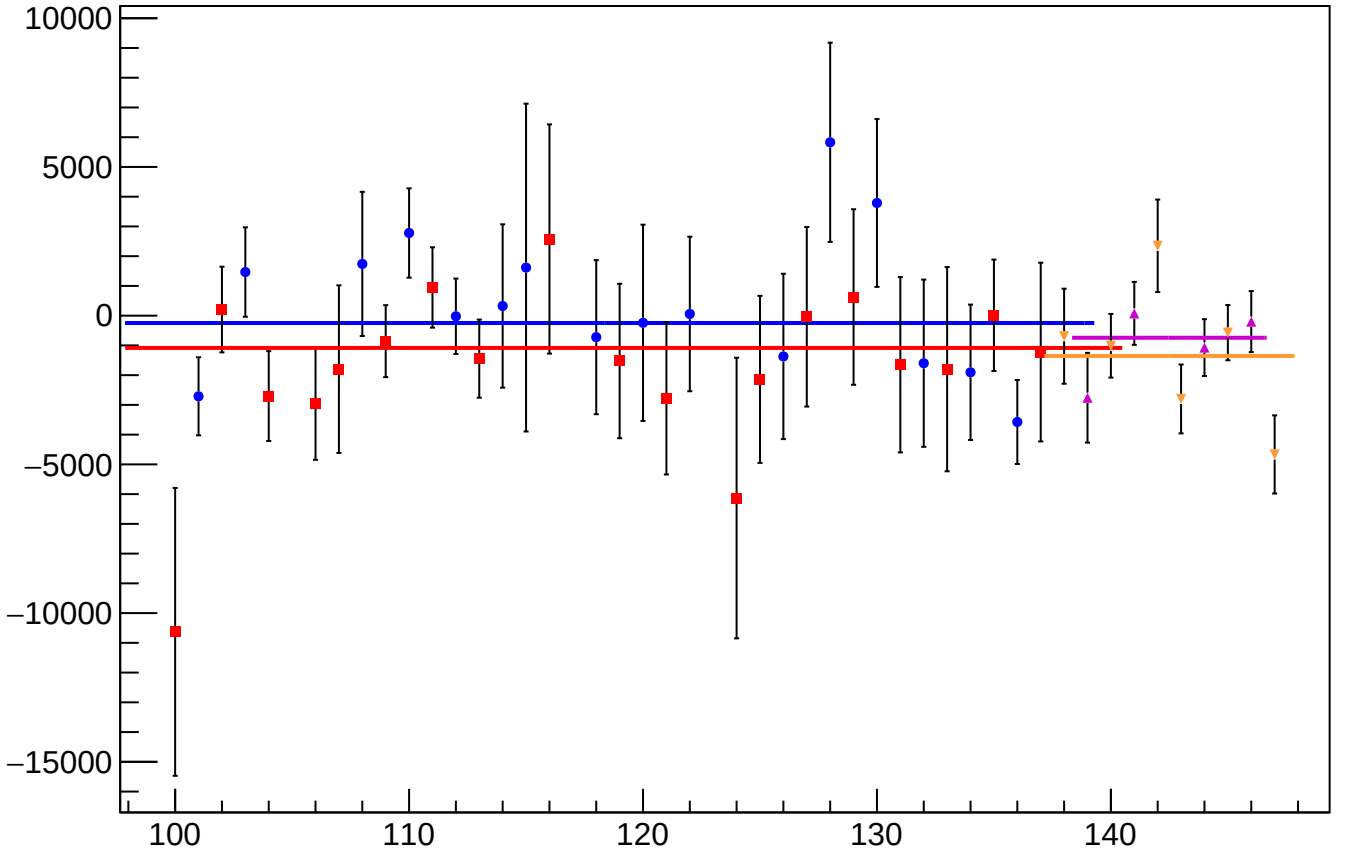
Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 133.919+/-0.028 χ^2/NDF: 620178.6/21

All: 132.223+/-0.020 χ^2/NDF: 1185964.5/44

- sign 130.494+/-0.028 χ^2/NDF: 558443.1/22

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

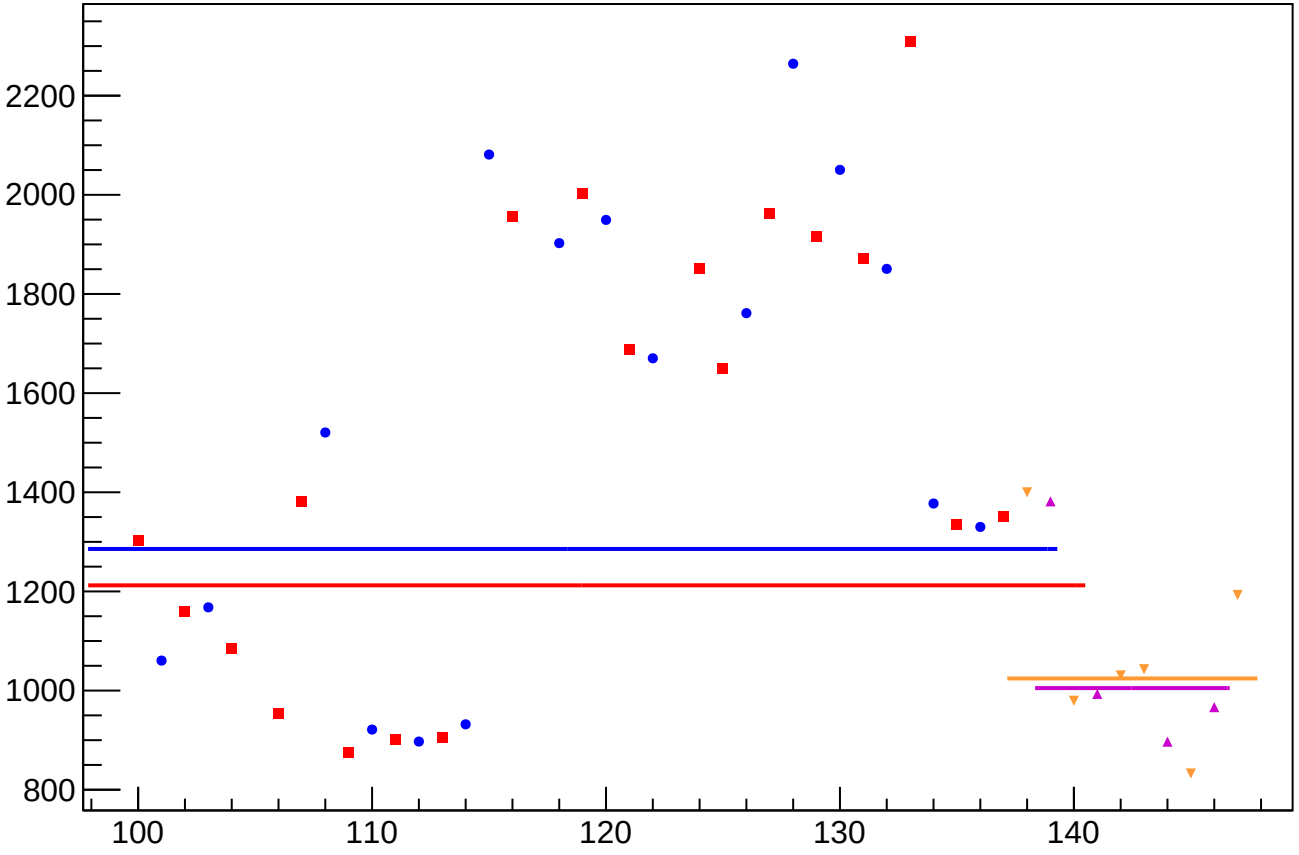
Left In: -742.890+/-544.061 χ^2/NDF:2.8/3

+ sign -813.062+/-350.504 χ^2/NDF: 38.7/21

All: -874.926+/-249.547 χ^2/NDF: 54.5/44

- sign -938.520+/-355.372 χ^2/NDF: 15.8/22

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

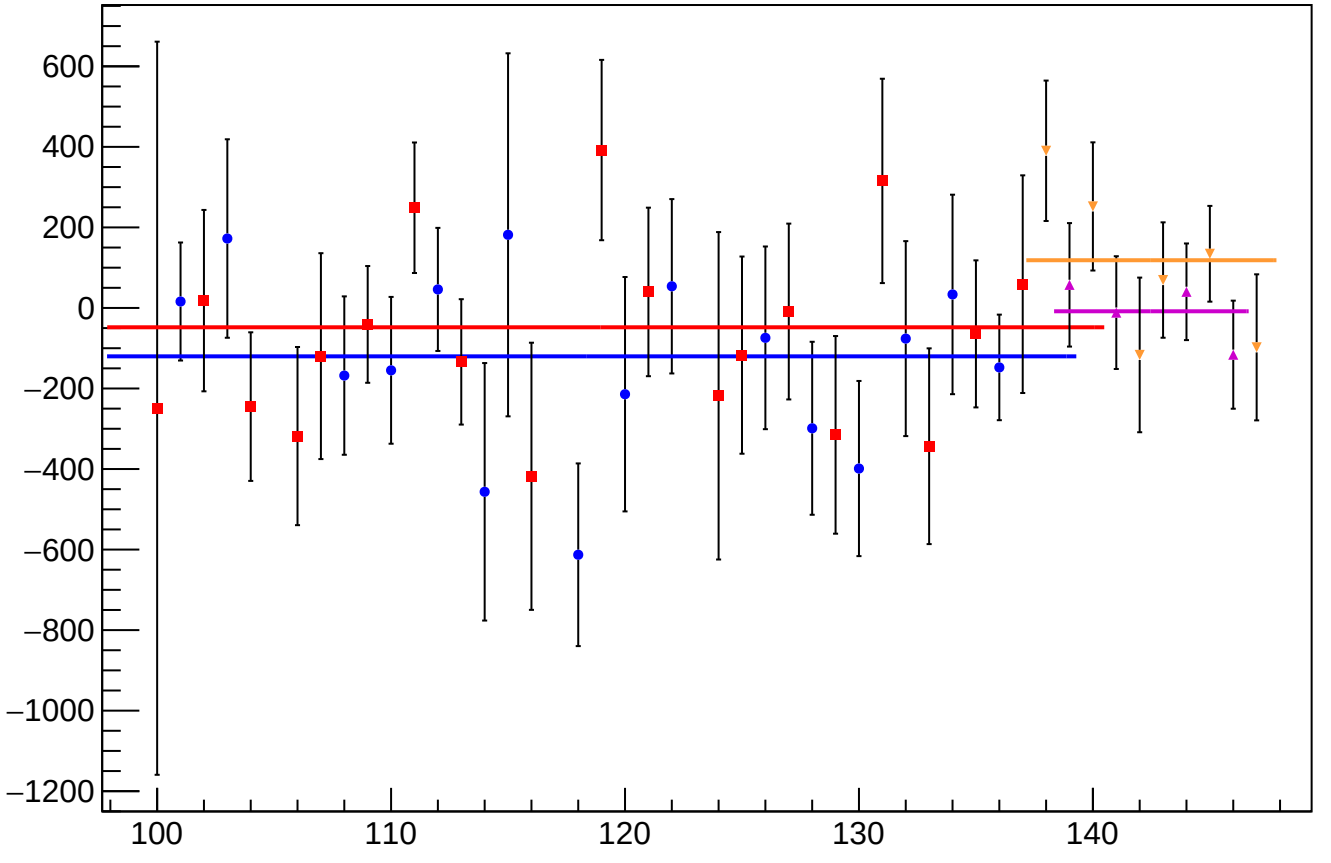
Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

+ sign 1152.116+/-0.248 χ^2/NDF: 1680390.8/21

All: 1138.179+/-0.176 χ^2/NDF: 3407159.7/44

- sign 1123.852+/-0.251 χ^2/NDF: 1720356.3/22

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

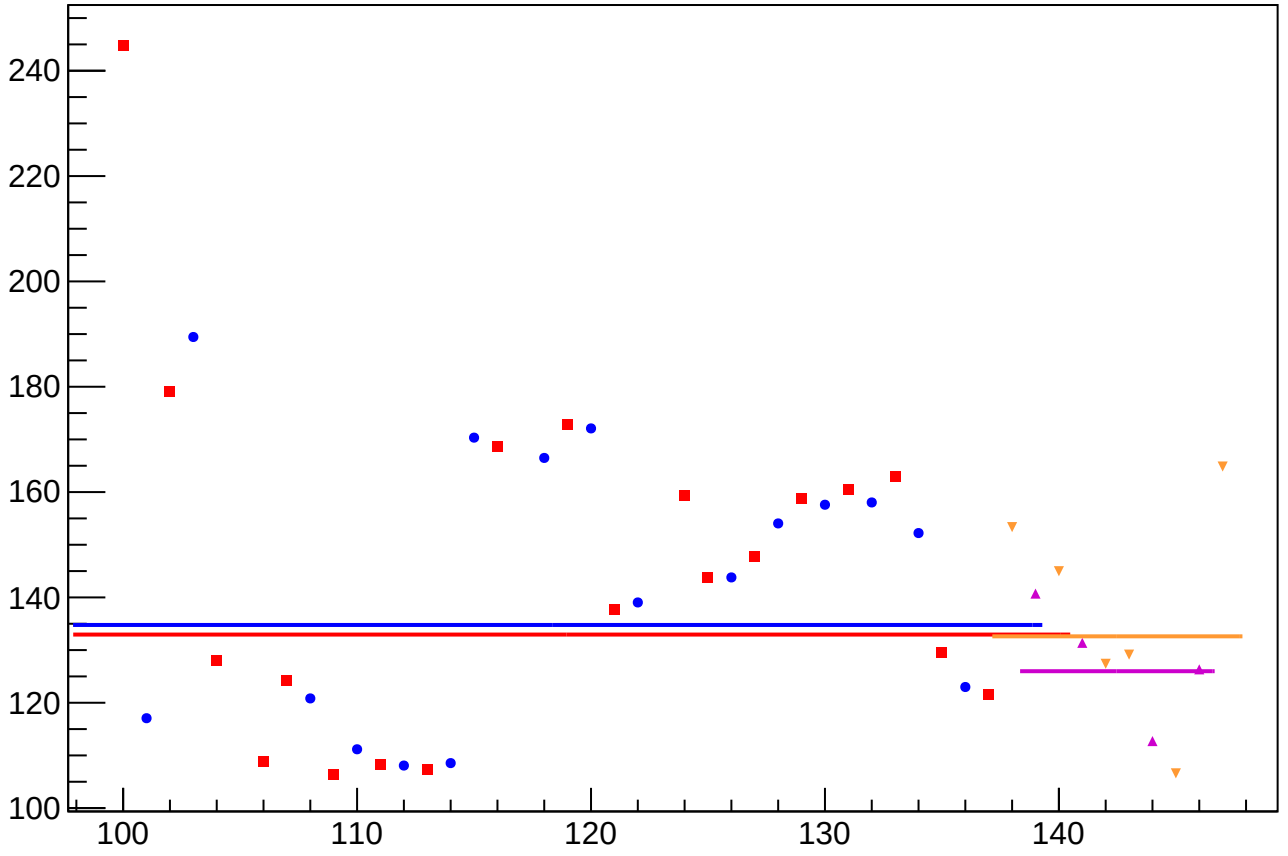
Left In: -8.266+/-67.641 χ^2/NDF:1.0/3

+ sign -26.045+/-39.769 χ^2/NDF: 28.2/21

All: -29.982+/-28.260 χ^2/NDF: 46.4/44

- sign -33.998+/-40.165 χ^2/NDF: 18.2/22

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

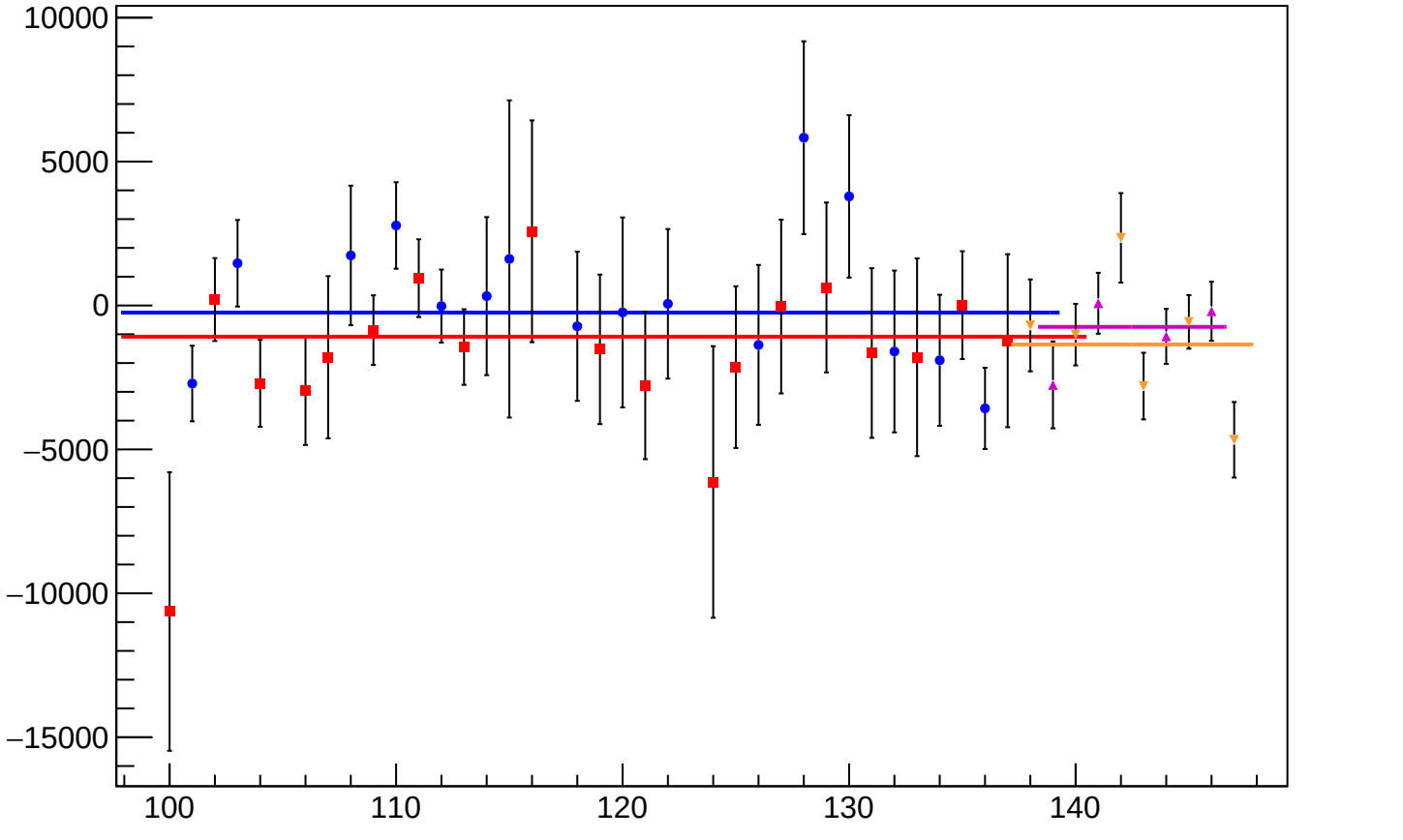
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 133.919+/-0.028 χ^2/NDF: 620178.6/21

All: 132.223+/-0.020 χ^2/NDF: 1185964.5/44

- sign 130.494+/-0.028 χ^2/NDF: 558443.1/22



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

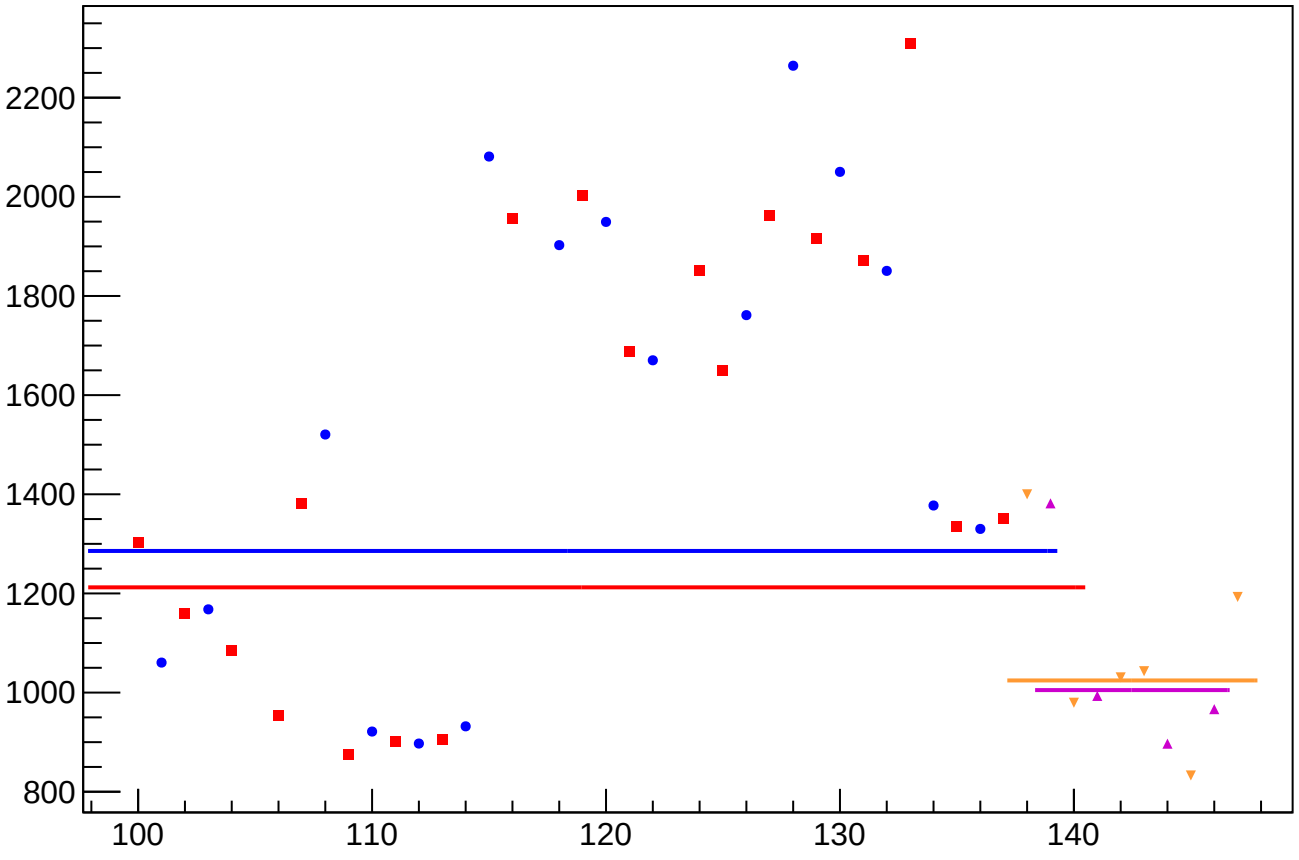
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -742.890+/-544.061 χ^2/NDF:2.8/3

+ sign -813.062+/-350.504 χ^2/NDF: 38.7/21

All: -874.926+/-249.547 χ^2/NDF: 54.5/44

- sign -938.520+/-355.372 χ^2/NDF: 15.8/22



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

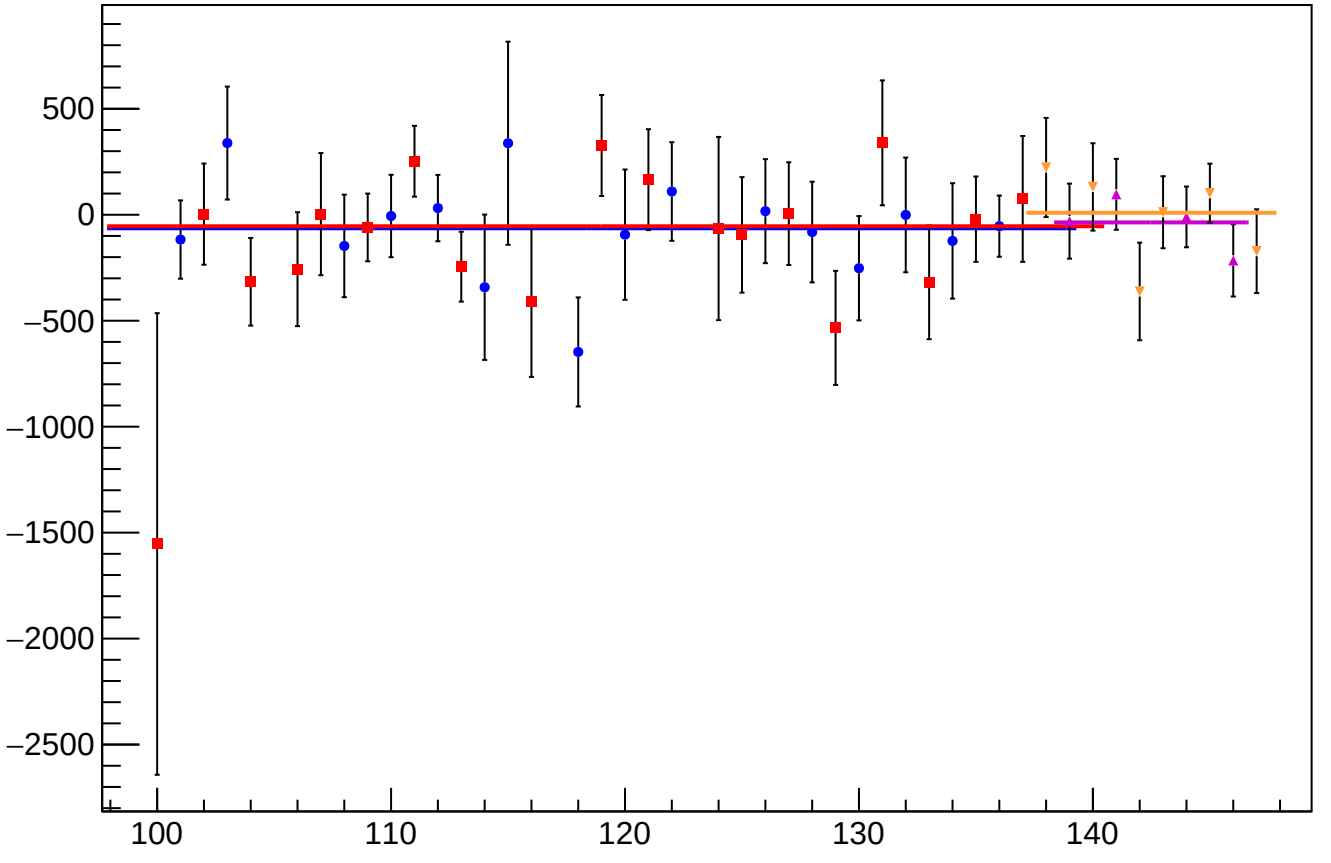
Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

+ sign 1152.116+/-0.248 χ^2/NDF: 1680390.8/21

All: 1138.179+/-0.176 χ^2/NDF: 3407159.7/44

- sign 1123.852+/-0.251 χ^2/NDF: 1720356.3/22

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.410+/-76.120 χ^2/NDF:5.1/5

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

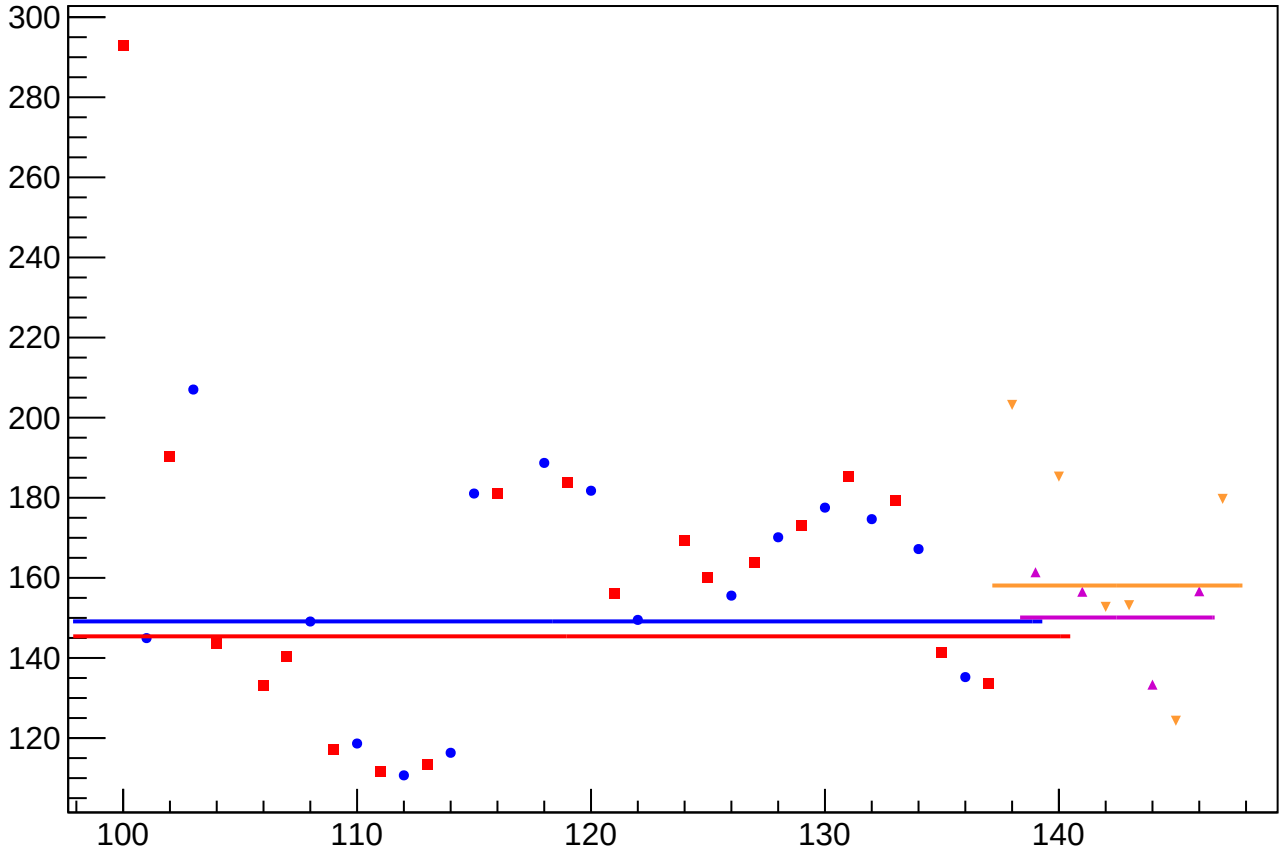
Left In: -36.041+/-81.433 χ^2/NDF:1.8/3

+ sign -37.643+/-45.489 χ^2/NDF: 16.5/21

All: -43.139+/-32.145 χ^2/NDF: 37.8/44

- sign -48.620+/-45.431 χ^2/NDF: 21.3/22

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.089+/-0.054 χ^2/NDF:253625.1/5

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

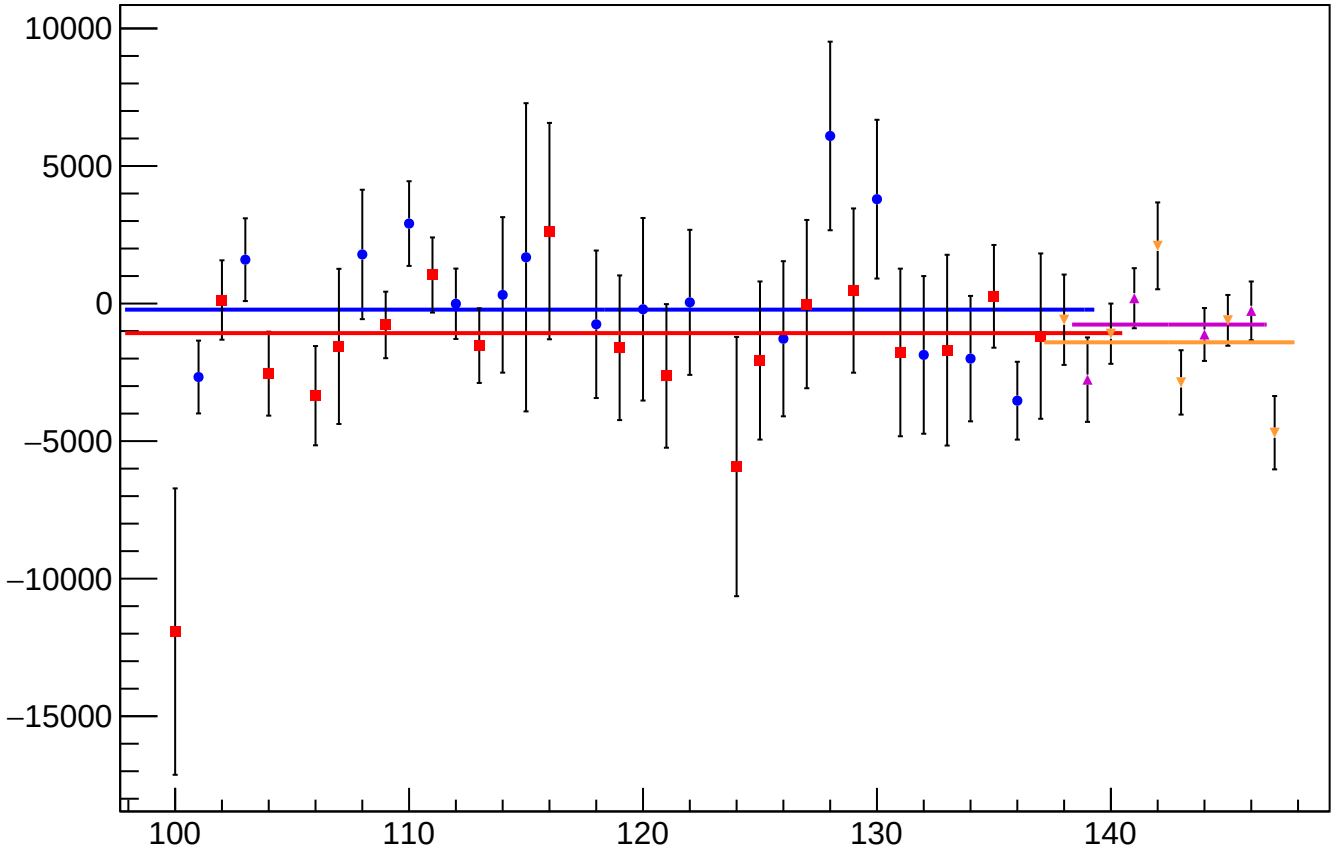
Left In: 150.102+/-0.058 χ^2/NDF:41445.2/3

+ sign 152.330+/-0.032 χ^2/NDF: 722440.0/21

All: 149.593+/-0.023 χ^2/NDF: 1308760.7/44

- sign 146.863+/-0.032 χ^2/NDF: 571858.8/22

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1409.622+/-495.428 χ^2/NDF:13.6/5

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

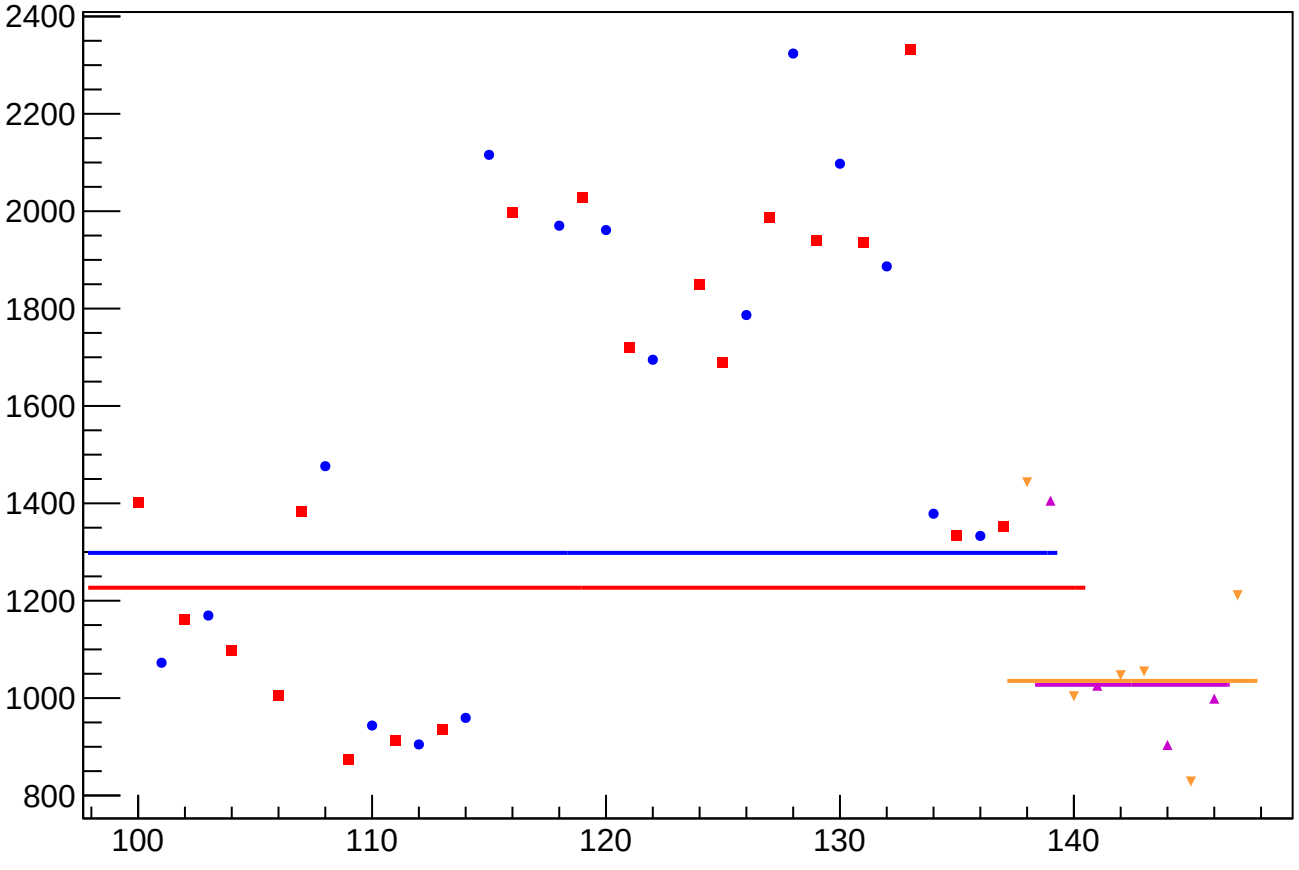
Left In: -763.770+/-557.099 χ^2/NDF:2.8/3

+ sign -828.212+/-354.068 χ^2/NDF: 38.3/21

All: -885.240+/-252.603 χ^2/NDF: 55.0/44

- sign -944.355+/-360.487 χ^2/NDF: 16.6/22

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1035.351+/-0.350 χ^2/NDF:260763.9/5

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

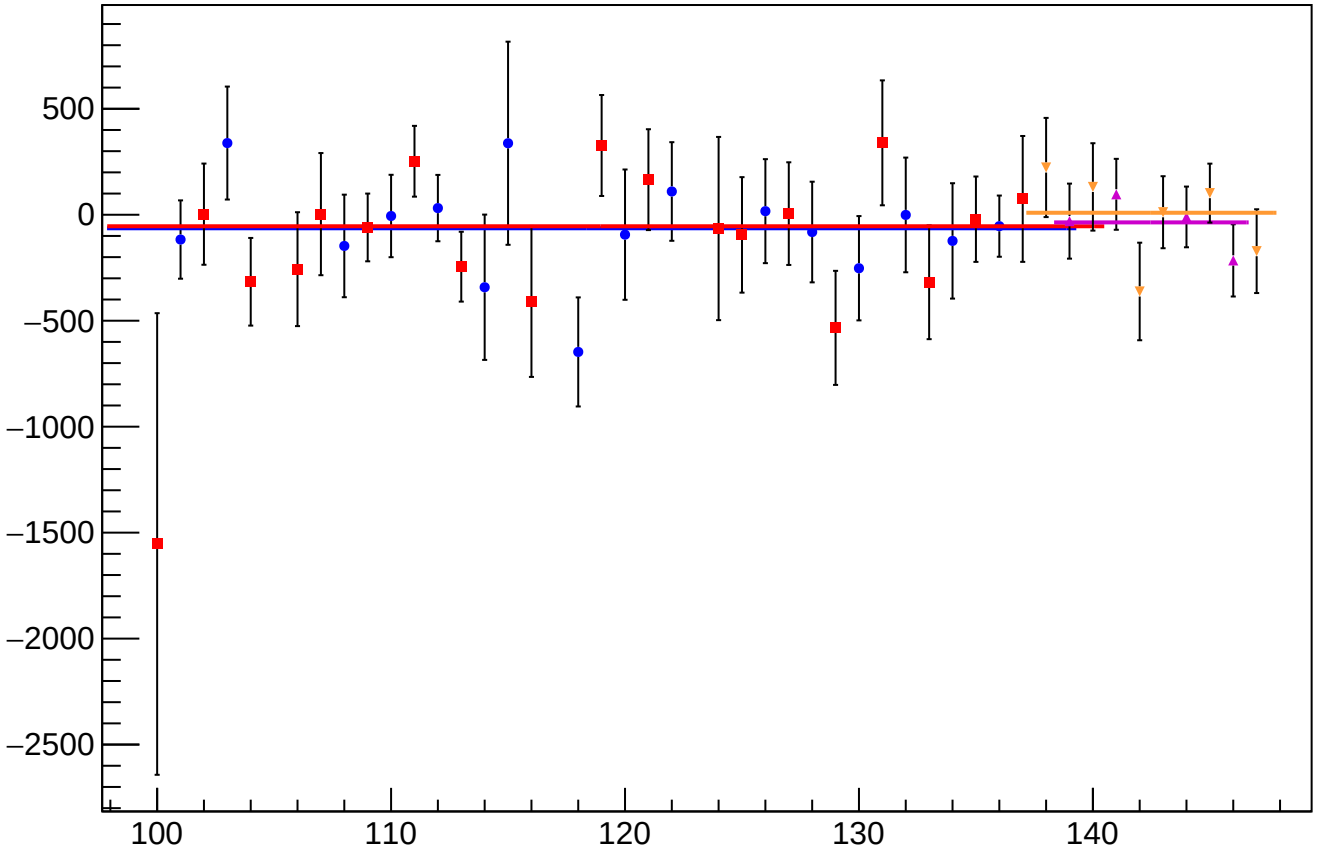
Left In: 1027.363+/-0.394 χ^2/NDF:155859.5/3

+ sign 1163.994+/-0.250 χ^2/NDF: 1718510.1/21

All: 1153.810+/-0.179 χ^2/NDF: 3431148.2/44

- sign 1143.252+/-0.255 χ^2/NDF: 1709268.0/22

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.409+/-76.120 χ^2/NDF:5.1/5

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

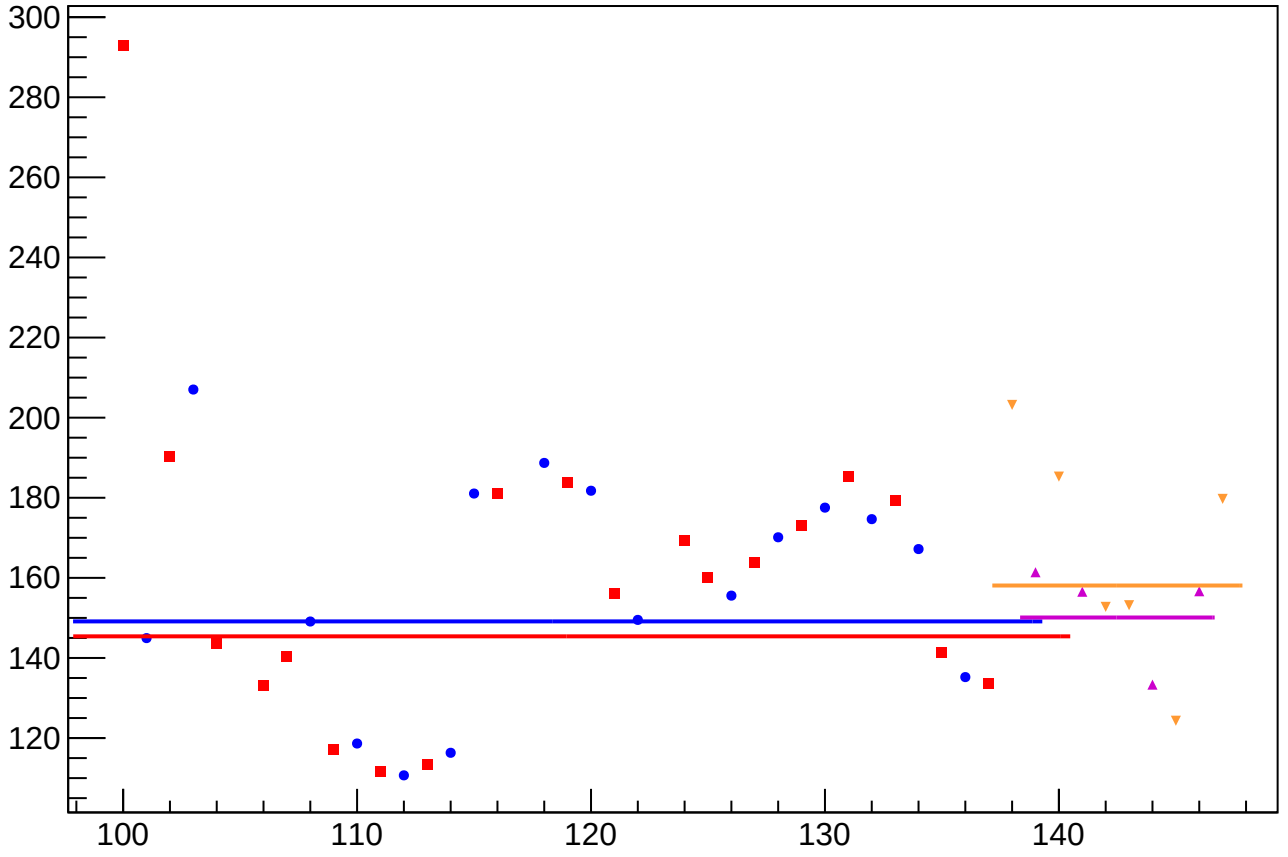
Left In: -36.042+/-81.433 χ^2/NDF:1.8/3

+ sign -37.642+/-45.489 χ^2/NDF: 16.5/21

All: -43.138+/-32.145 χ^2/NDF: 37.8/44

- sign -48.620+/-45.431 χ^2/NDF: 21.3/22

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.090+/-0.054 χ^2/NDF:253618.9/5

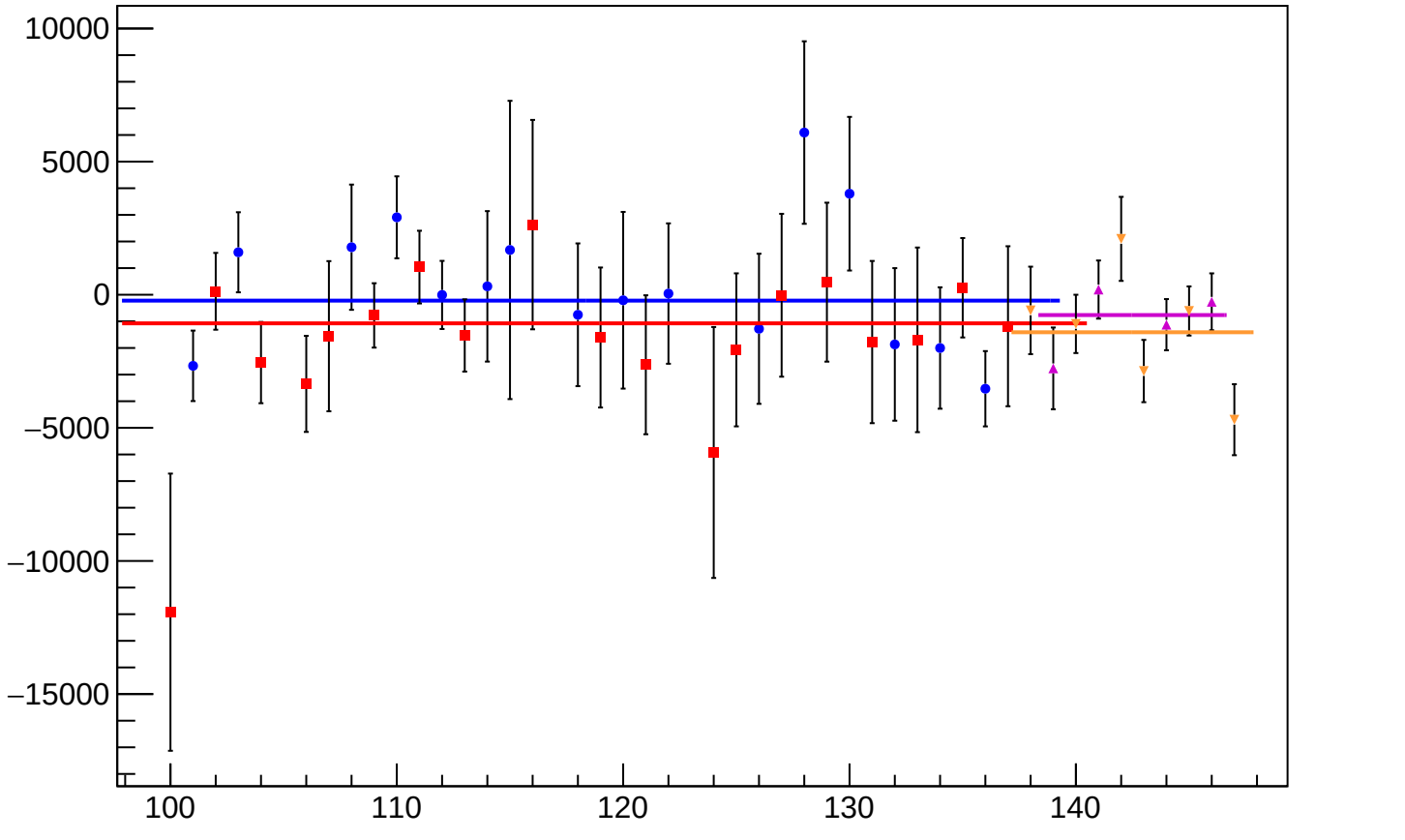
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 150.102+/-0.058 χ^2/NDF:41444.0/3

+ sign 152.330+/-0.032 χ^2/NDF: 722437.2/21

All: 149.593+/-0.023 χ^2/NDF: 1308760.2/44

- sign 146.863+/-0.032 χ^2/NDF: 571860.7/22



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1409.621+/-495.427 χ^2/NDF:13.6/5

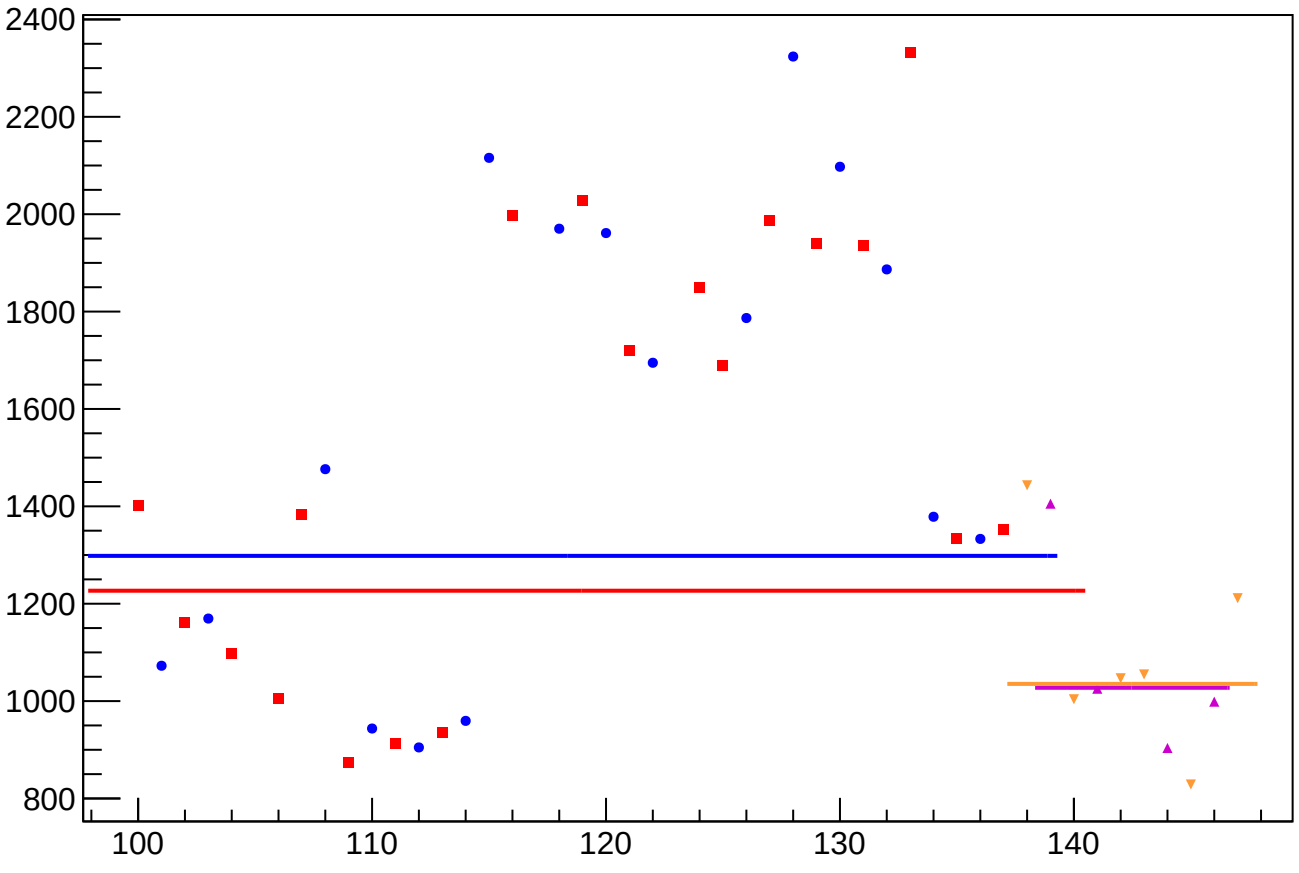
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -763.770+/-557.099 χ^2/NDF:2.8/3

+ sign -828.211+/-354.068 χ^2/NDF: 38.3/21

All: -885.240+/-252.602 χ^2/NDF: 55.0/44

- sign -944.355+/-360.486 χ^2/NDF: 16.6/22



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1035.349+/-0.350 χ^2/NDF:260766.2/5

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

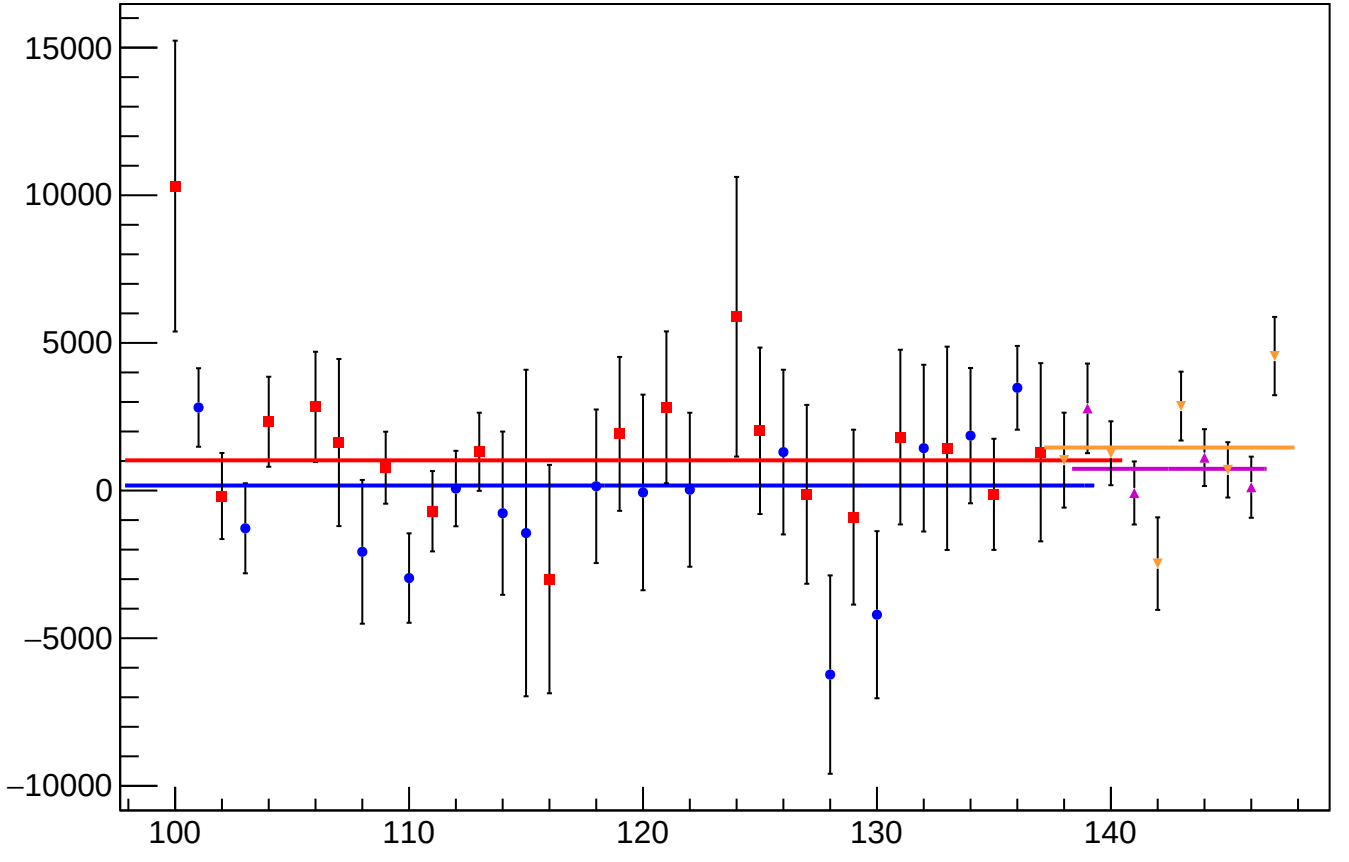
Left In: 1027.362+/-0.394 χ^2/NDF:155859.2/3

+ sign 1163.992+/-0.250 χ^2/NDF: 1718518.0/21

All: 1153.808+/-0.179 χ^2/NDF: 3431158.6/44

- sign 1143.251+/-0.255 χ^2/NDF: 1709270.6/22

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1457.260+/-494.436 χ^2/NDF:14.0/5

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

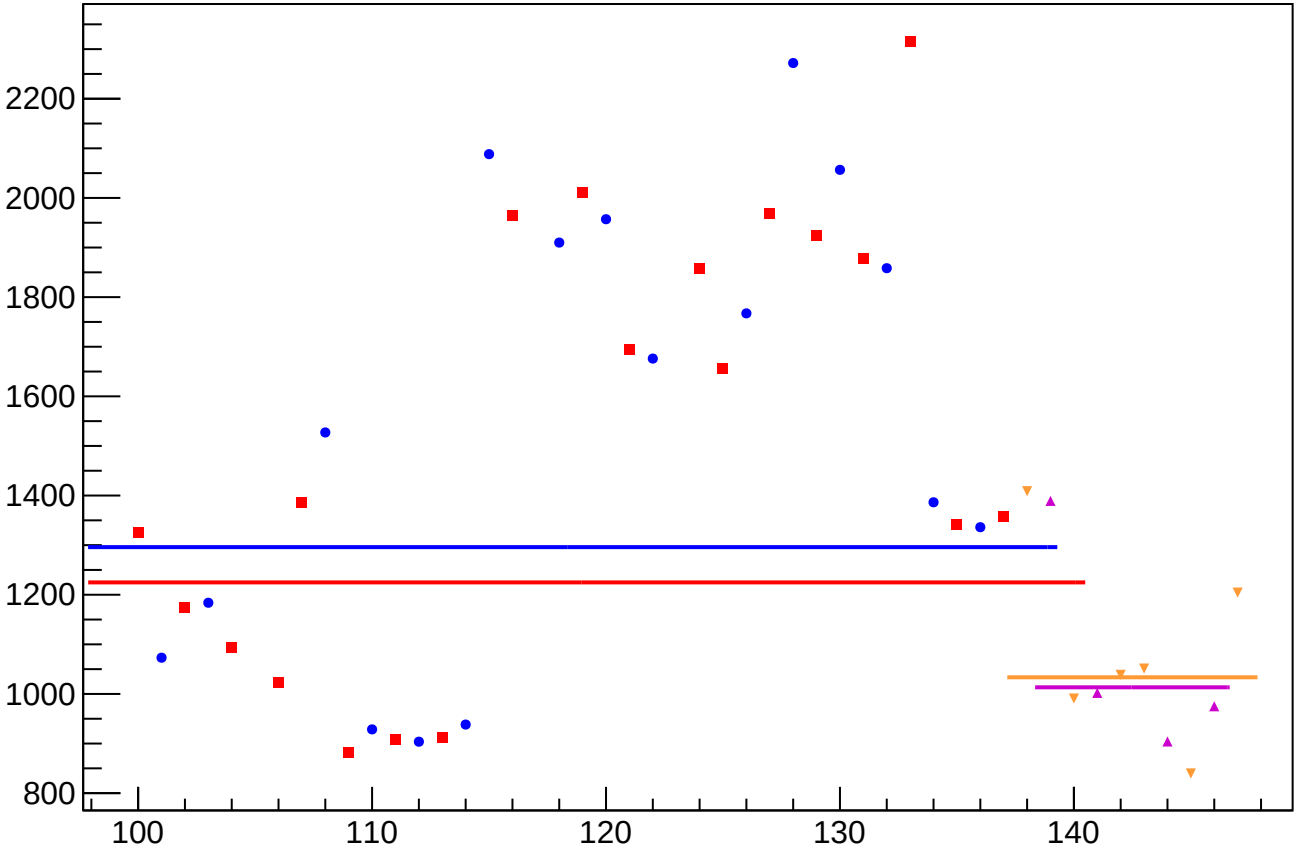
Left In: 736.415+/-548.476 χ^2/NDF:2.9/3

\+ sign 827.925+/-353.341 χ^2/NDF: 39.8/21

All: 864.236+/-251.400 χ^2/NDF: 54.5/44

\- sign 901.463+/-357.767 χ^2/NDF: 14.6/22

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1033.548+/-0.350 χ^2/NDF:231323.5/5

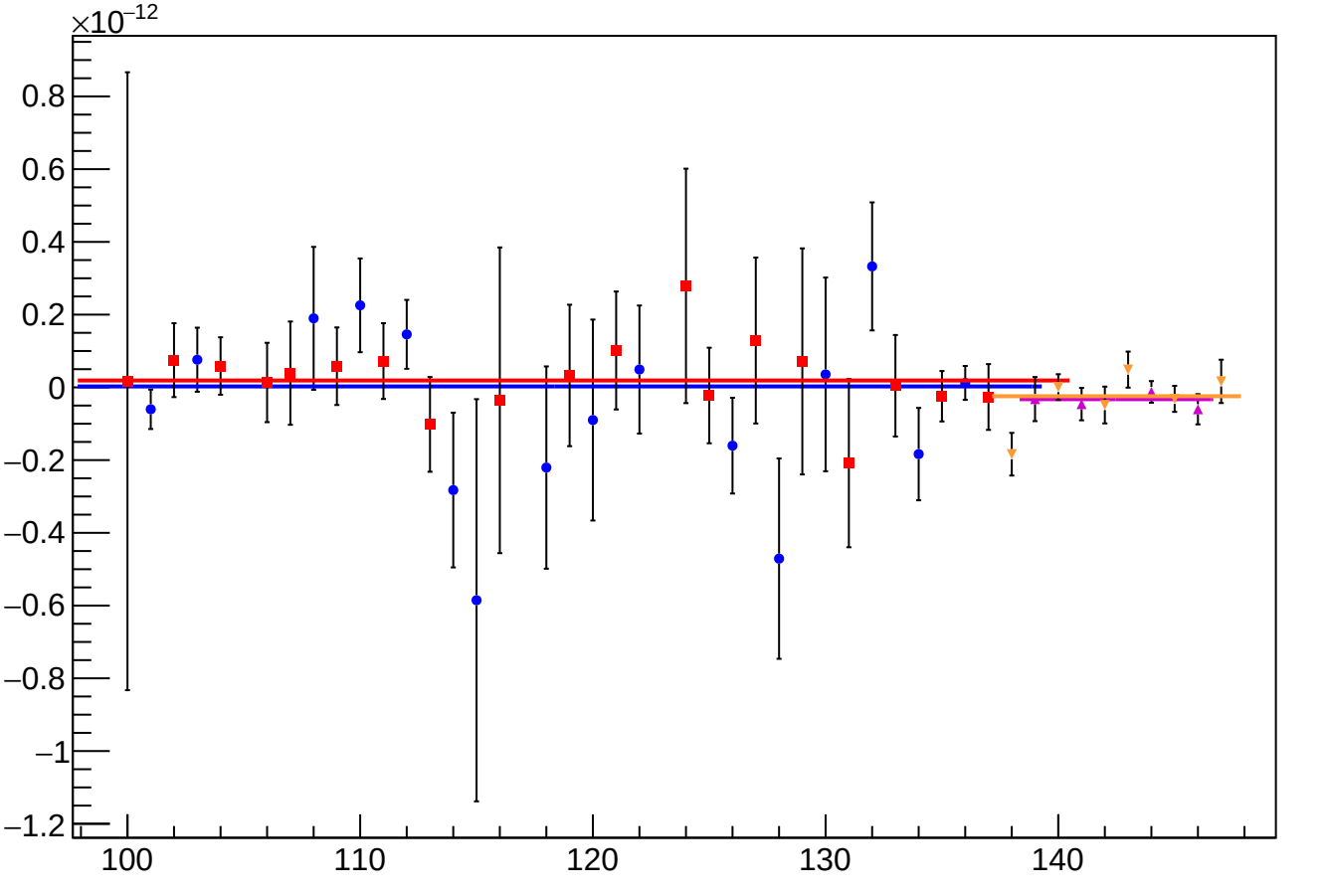
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1013.366+/-0.388 χ^2/NDF:151474.5/3

+ sign 1161.958+/-0.250 χ^2/NDF: 1661211.8/21

All: 1148.587+/-0.178 χ^2/NDF: 3360638.9/44

- sign 1134.879+/-0.253 χ^2/NDF: 1693627.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/5

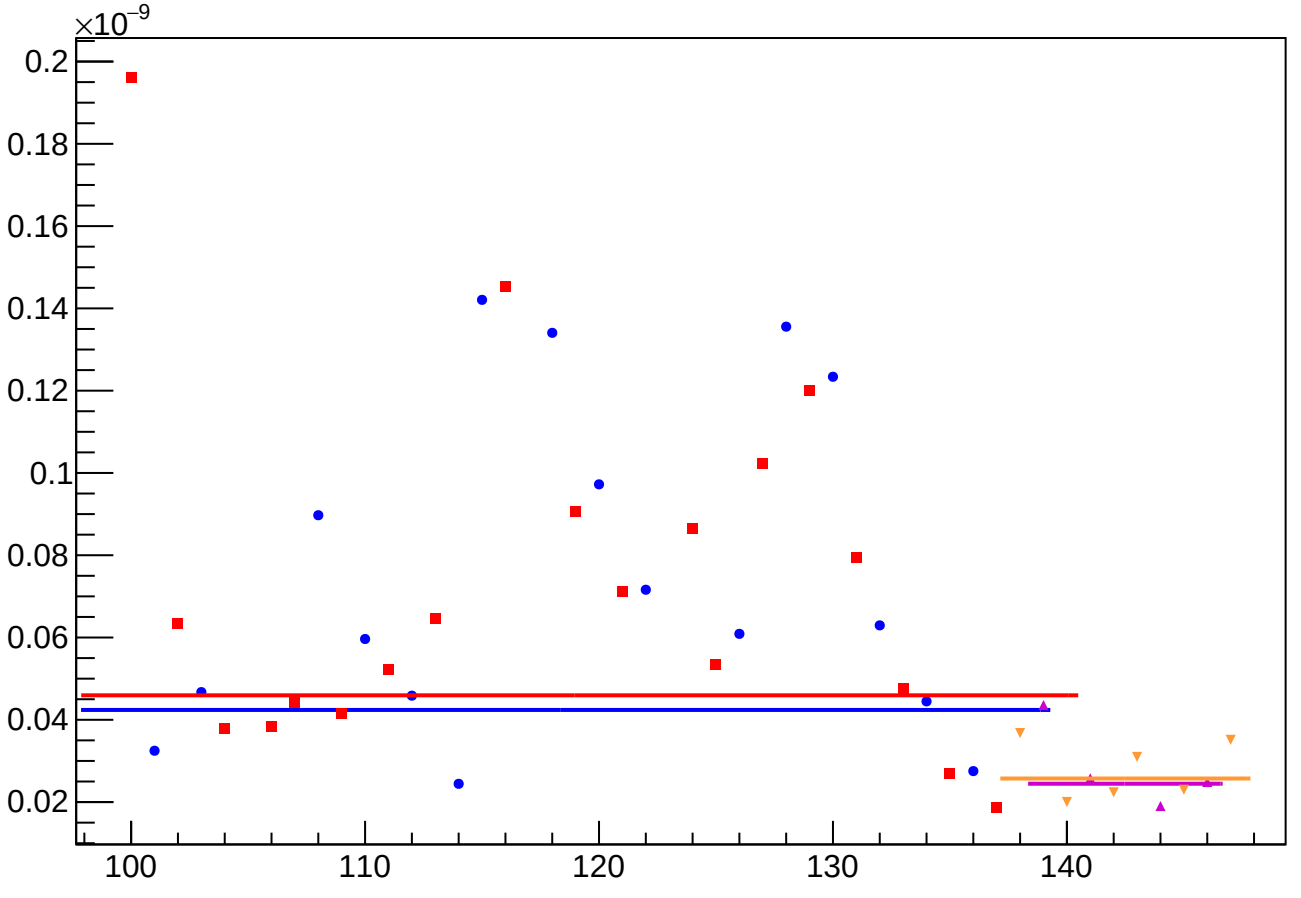
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.6/44

- sign -0.000+/-0.000 χ^2/NDF: 7.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:215648.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

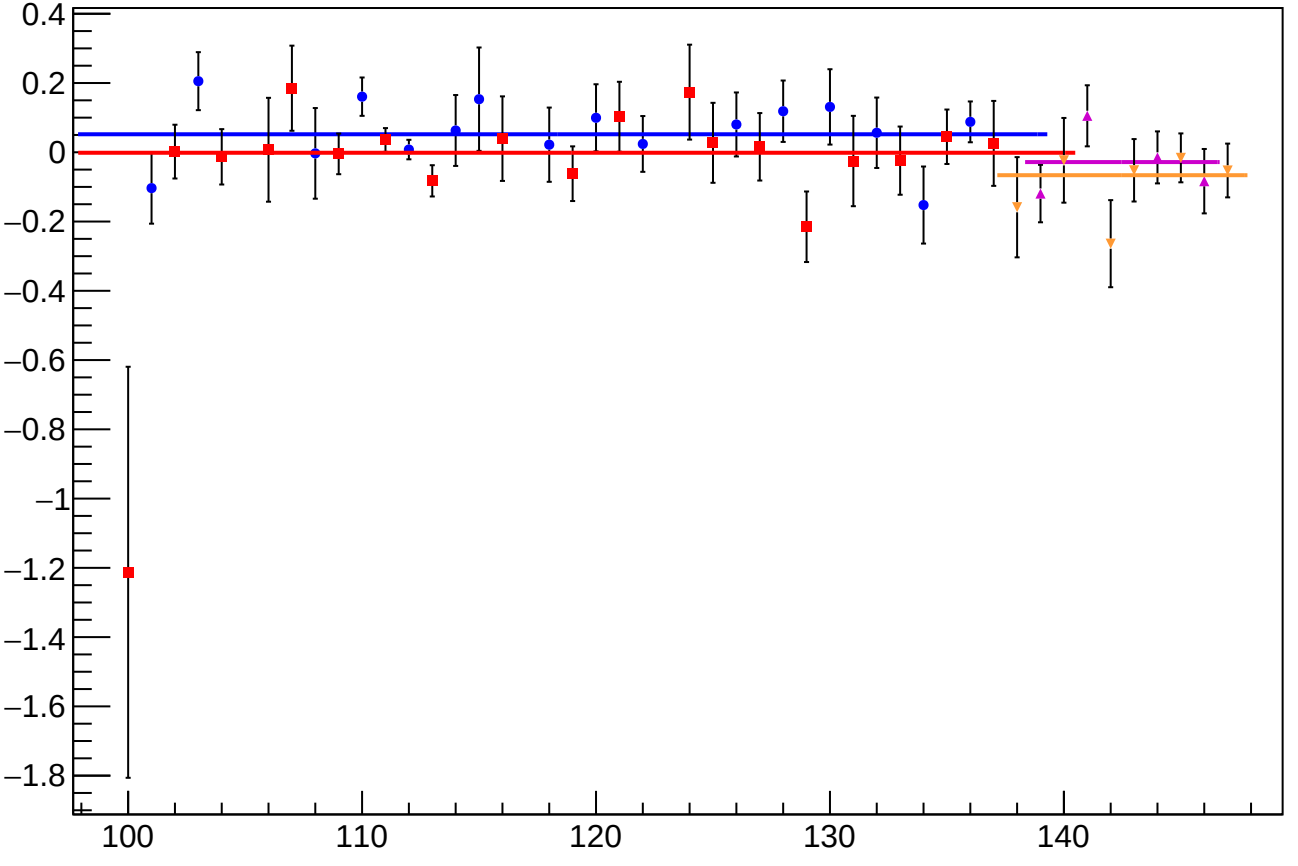
Left In: 0.000+/-0.000 χ^2/NDF:267014.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2081579.1/21

All: 0.000+/-0.000 χ^2/NDF: 4214634.3/44

- sign 0.000+/-0.000 χ^2/NDF: 2132443.4/22

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

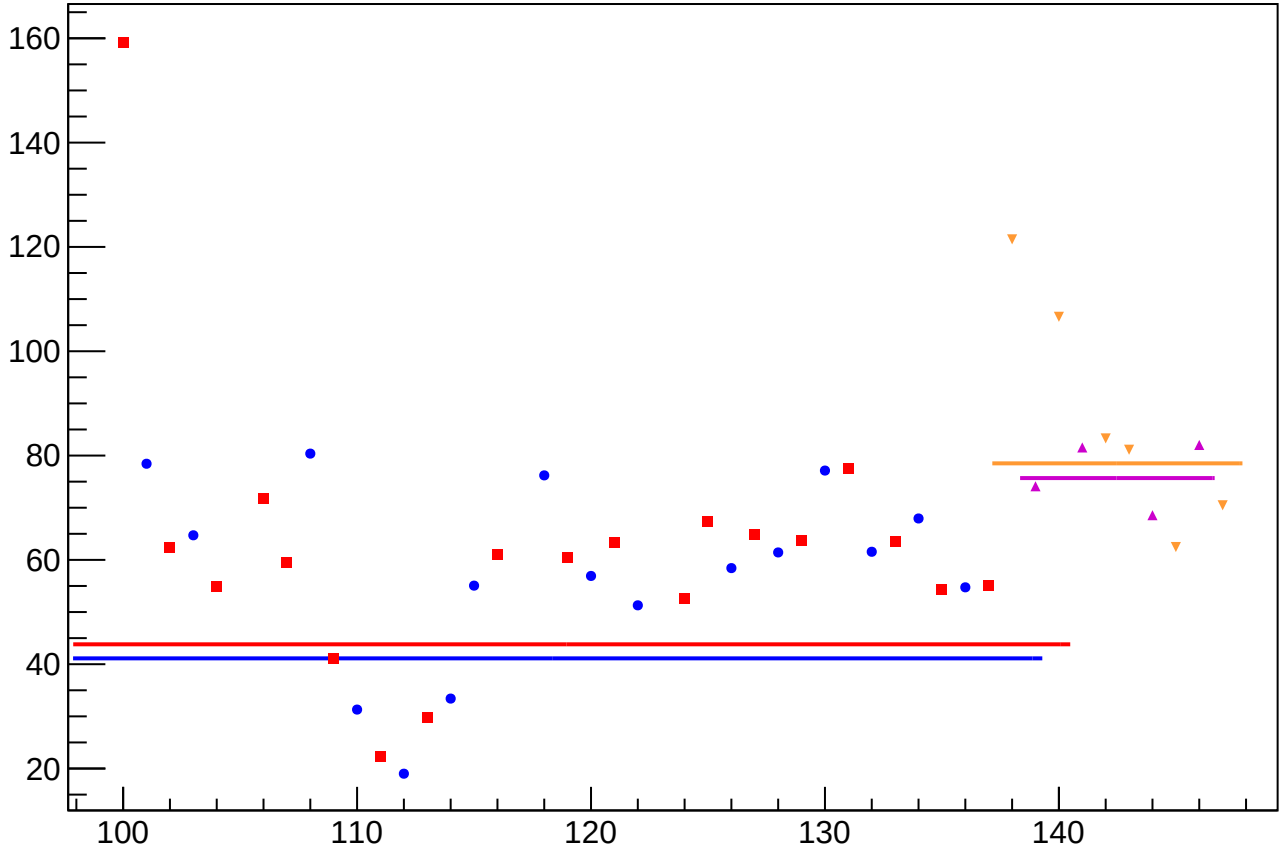
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.013+/-0.012 χ^2/NDF: 55.3/44

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

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: 78.506+/-0.027 χ^2/NDF:410953.6/5

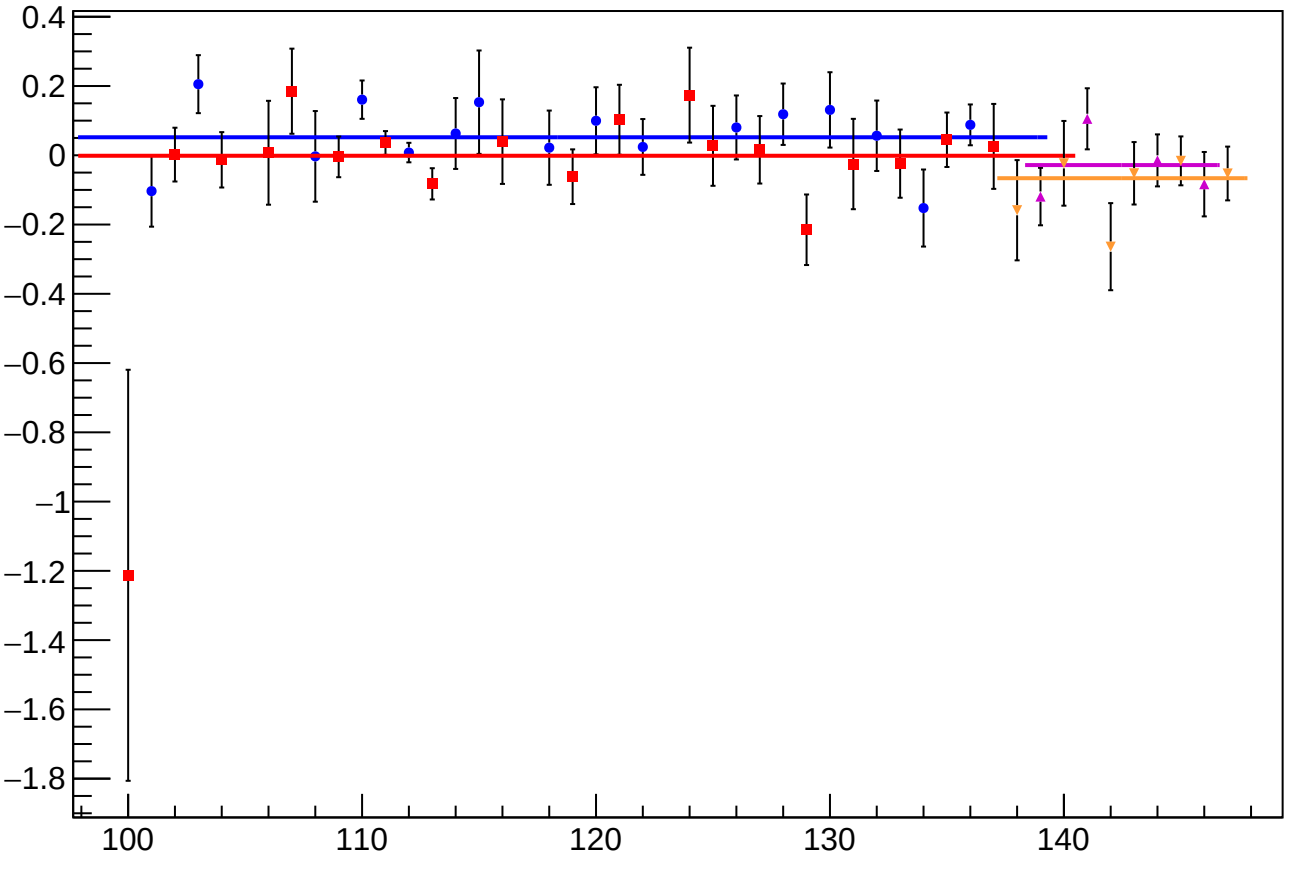
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

+ sign 47.629+/-0.011 χ^2/NDF: 4877199.0/21

All: 48.166+/-0.008 χ^2/NDF: 7941042.1/44

- sign 48.725+/-0.012 χ^2/NDF: 3059338.9/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

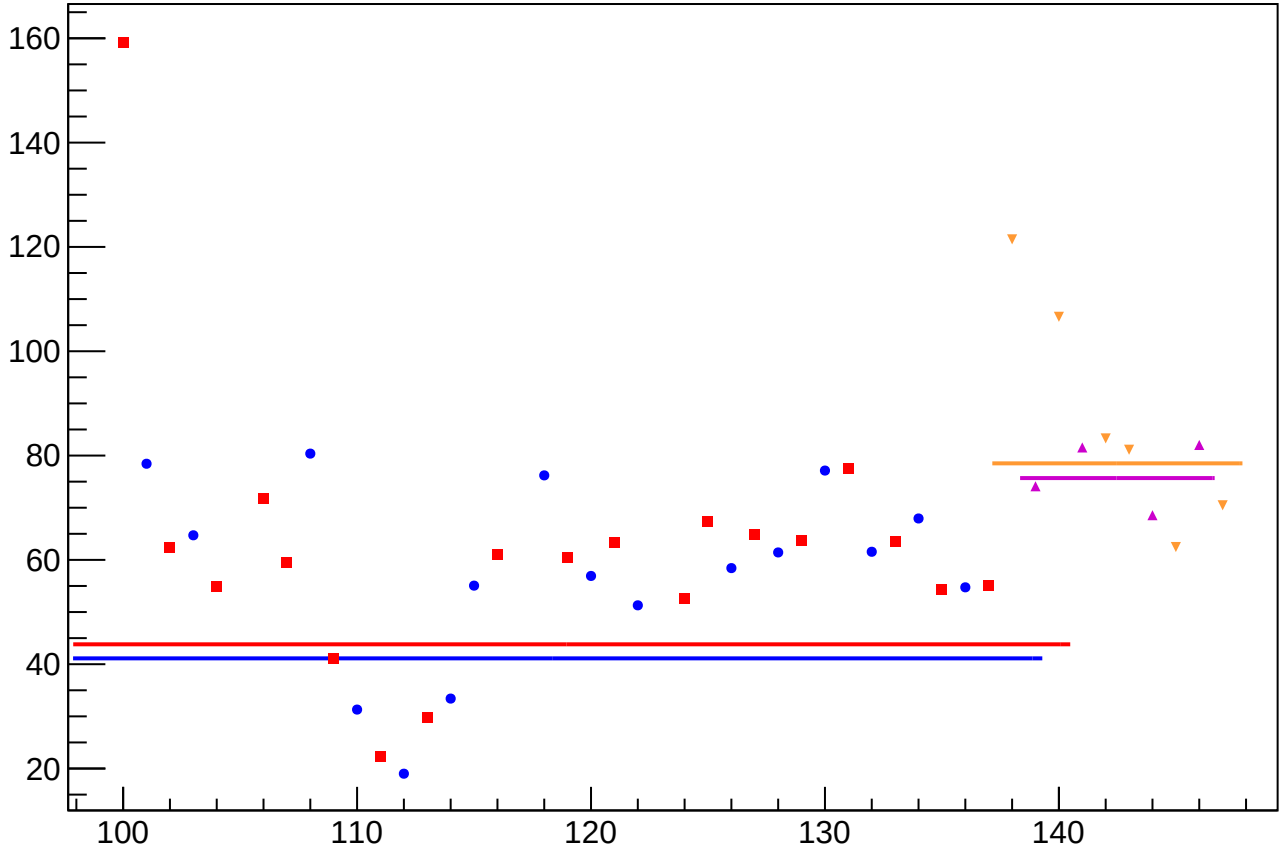
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.013+/-0.012 χ^2/NDF: 55.3/44

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

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: 78.506+/-0.027 χ^2/NDF:410953.6/5

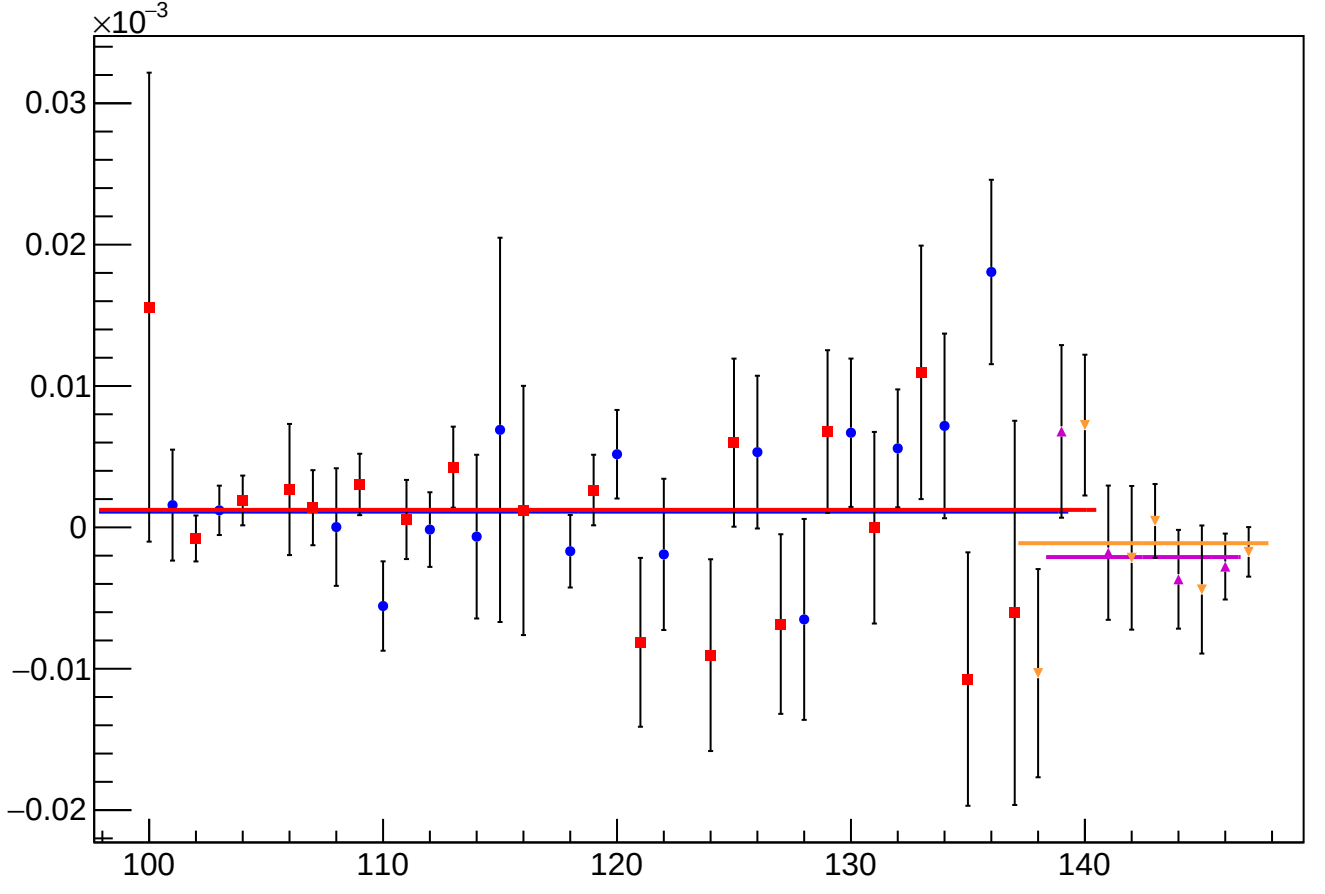
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

+ sign 47.629+/-0.011 χ^2/NDF: 4877199.0/21

All: 48.166+/-0.008 χ^2/NDF: 7941042.1/44

- sign 48.725+/-0.012 χ^2/NDF: 3059338.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/5

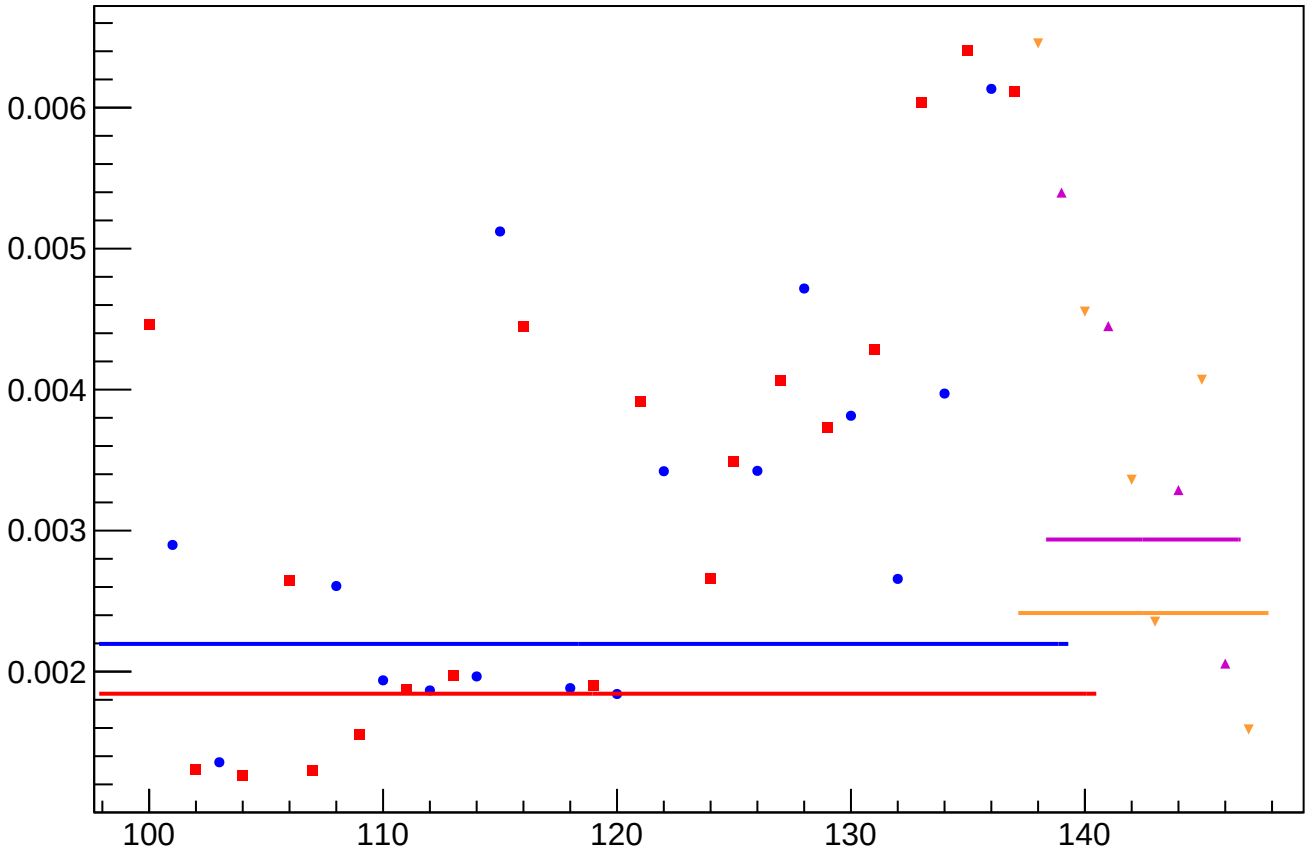
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/21

All: 0.000+/-0.000 χ^2/NDF: 49.0/44

- sign 0.000+/-0.000 χ^2/NDF: 21.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751875.1/5

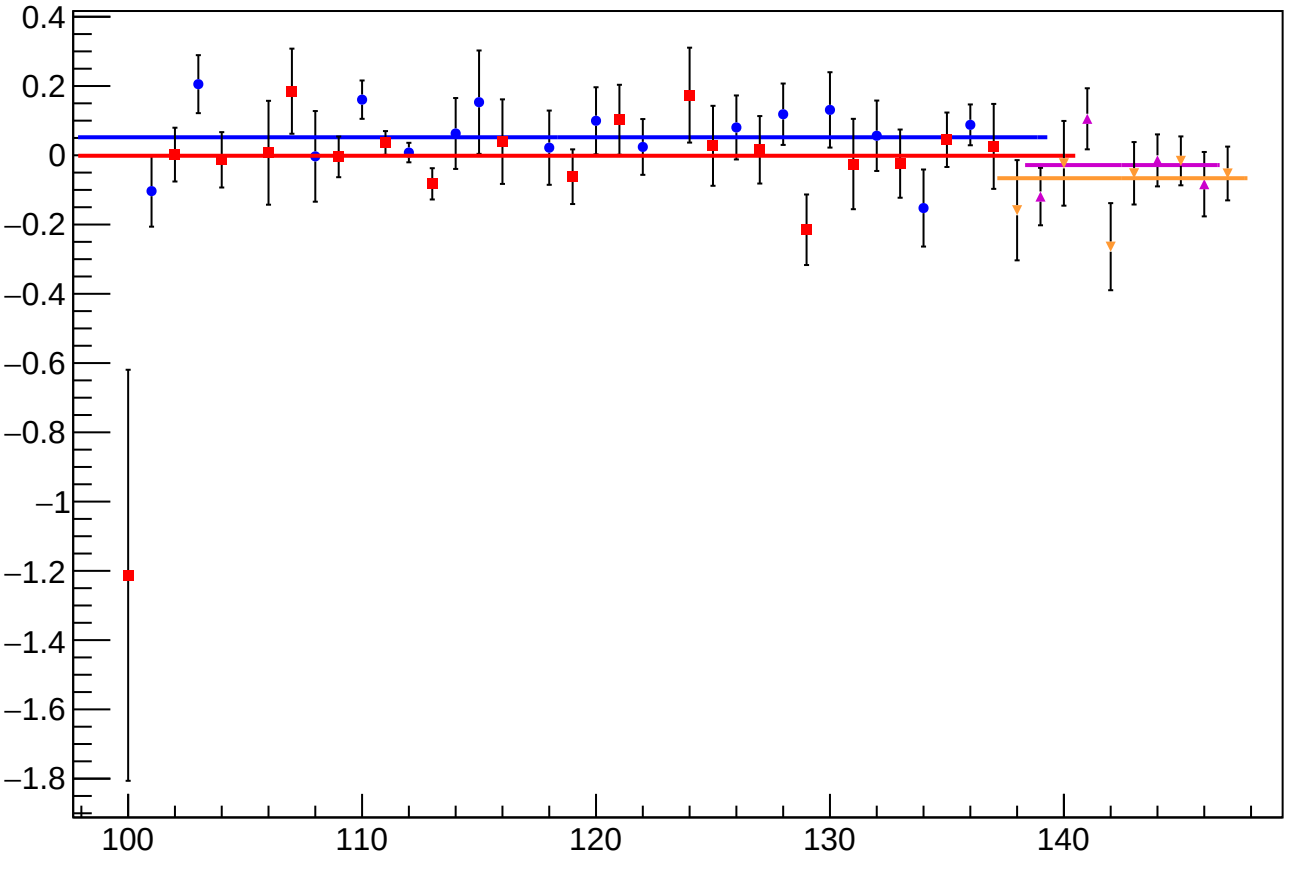
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:833196.6/3

+ sign 0.002+/-0.000 χ^2/NDF: 4084080.7/21

All: 0.002+/-0.000 χ^2/NDF: 8847226.7/44

- sign 0.002+/-0.000 χ^2/NDF: 4644676.7/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

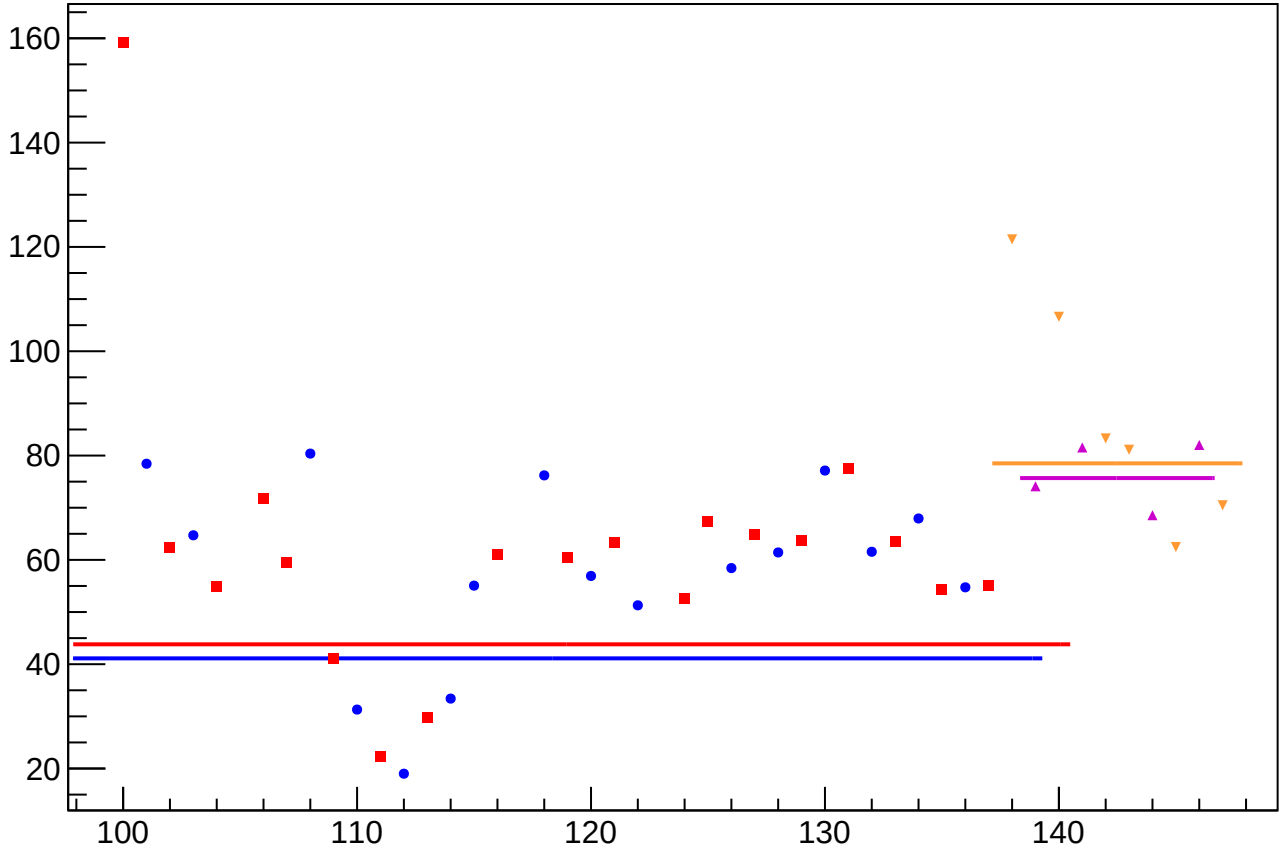
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.013+/-0.012 χ^2/NDF: 55.3/44

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

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: 78.507+/-0.027 χ^2/NDF:410926.6/5

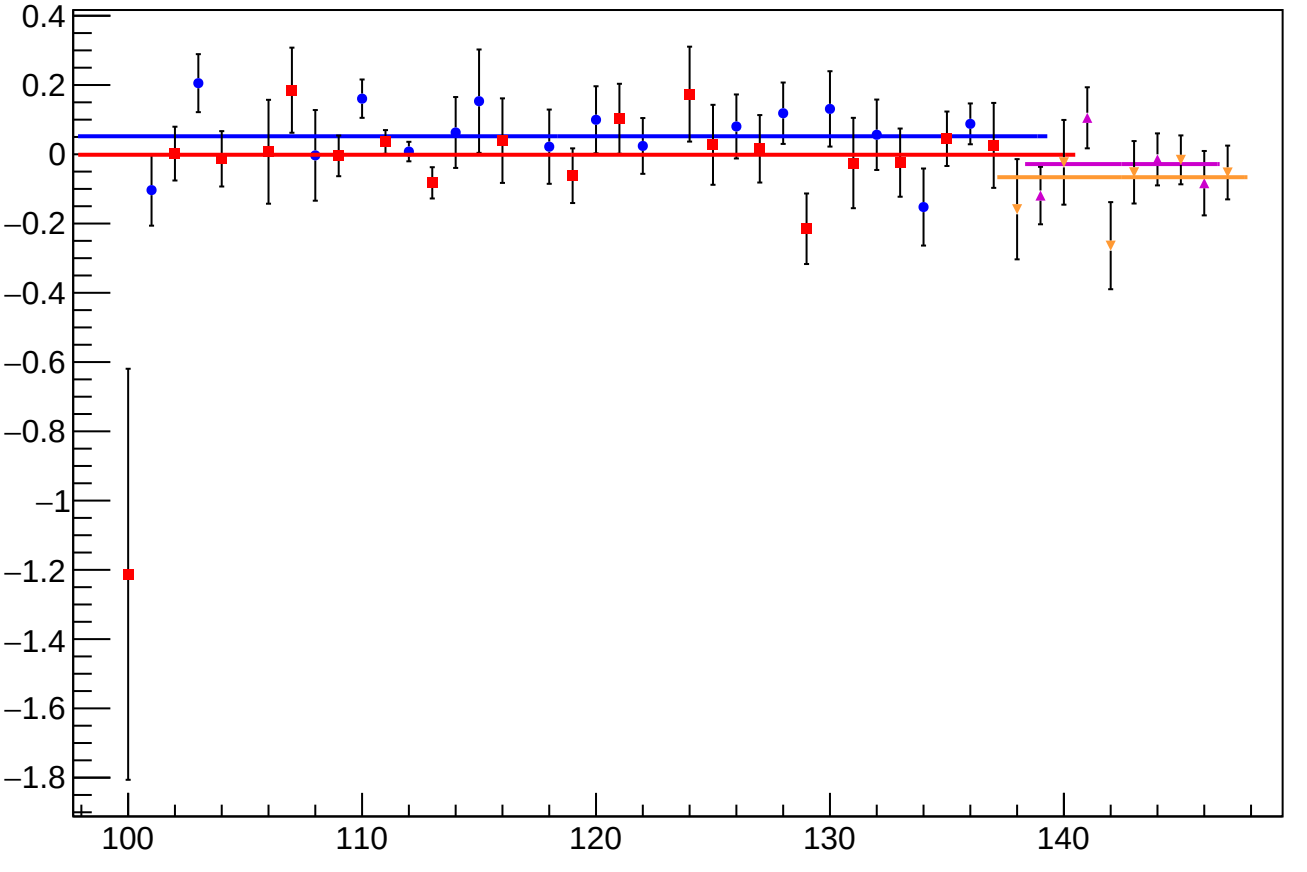
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

+ sign 47.628+/-0.011 χ^2/NDF: 4877471.3/21

All: 48.165+/-0.008 χ^2/NDF: 7941576.3/44

- sign 48.724+/-0.012 χ^2/NDF: 3059600.5/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

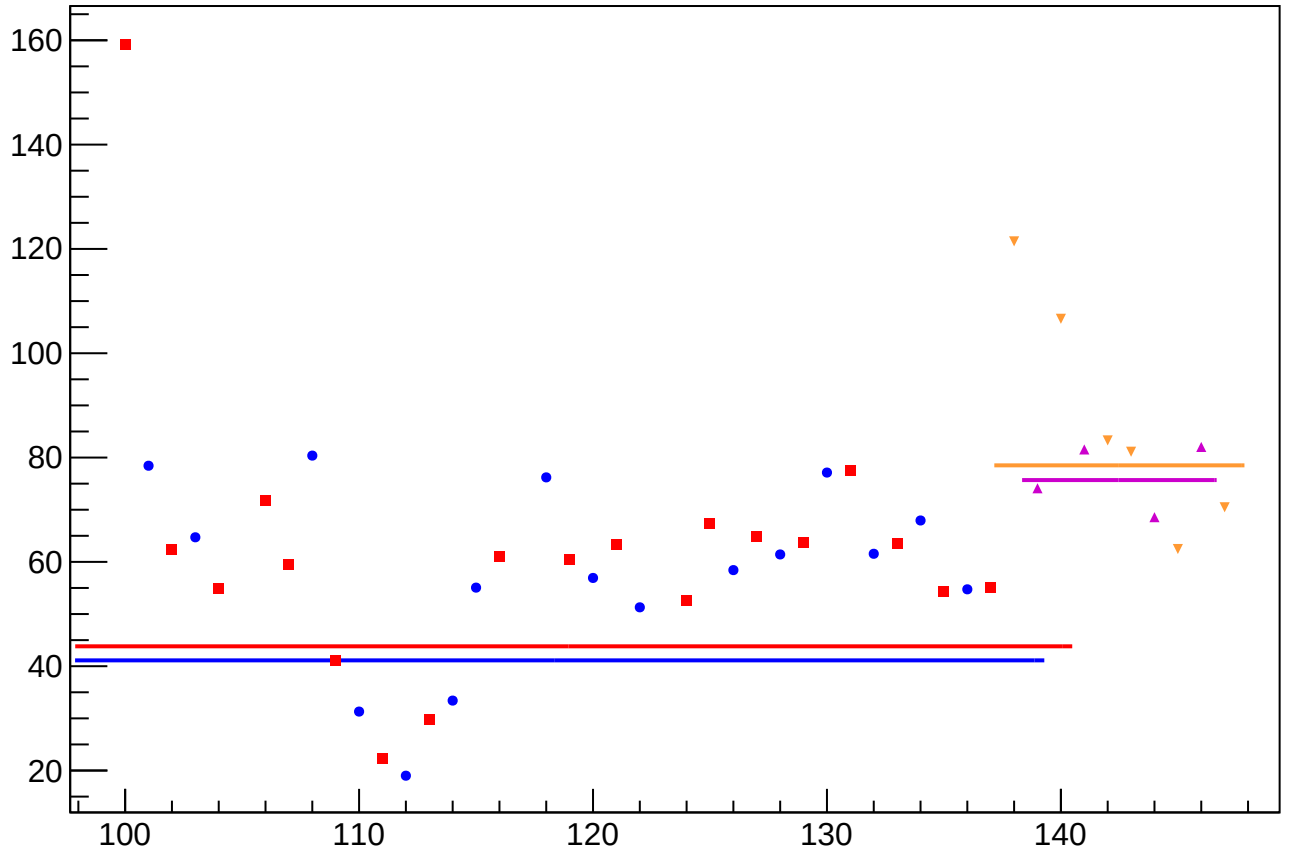
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.013+/-0.012 χ^2/NDF: 55.3/44

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 78.507+/-0.027 χ^2/NDF:410926.6/5

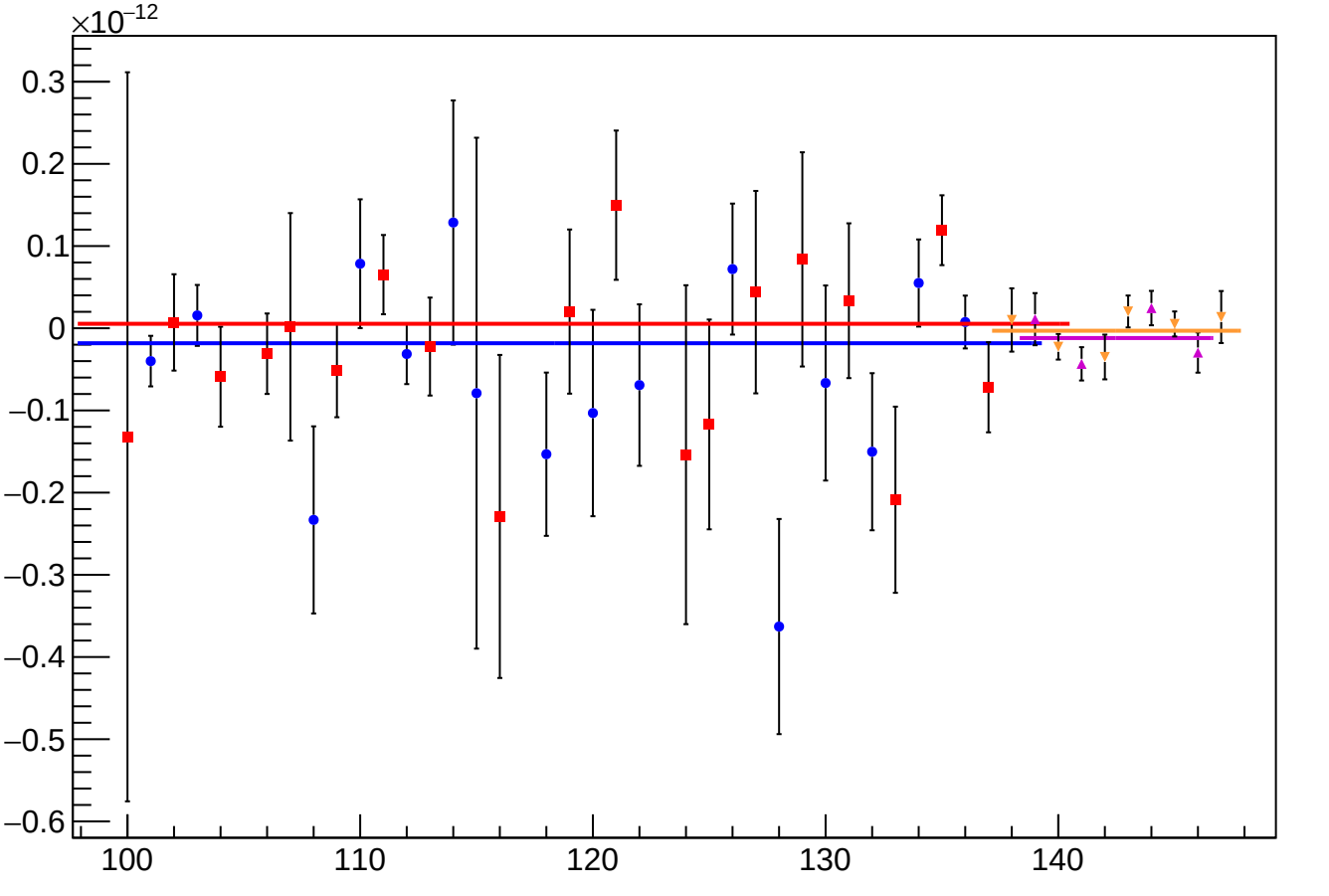
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

+ sign 47.628+/-0.011 χ^2/NDF: 4877471.3/21

All: 48.165+/-0.008 χ^2/NDF: 7941576.3/44

- sign 48.724+/-0.012 χ^2/NDF: 3059600.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/5

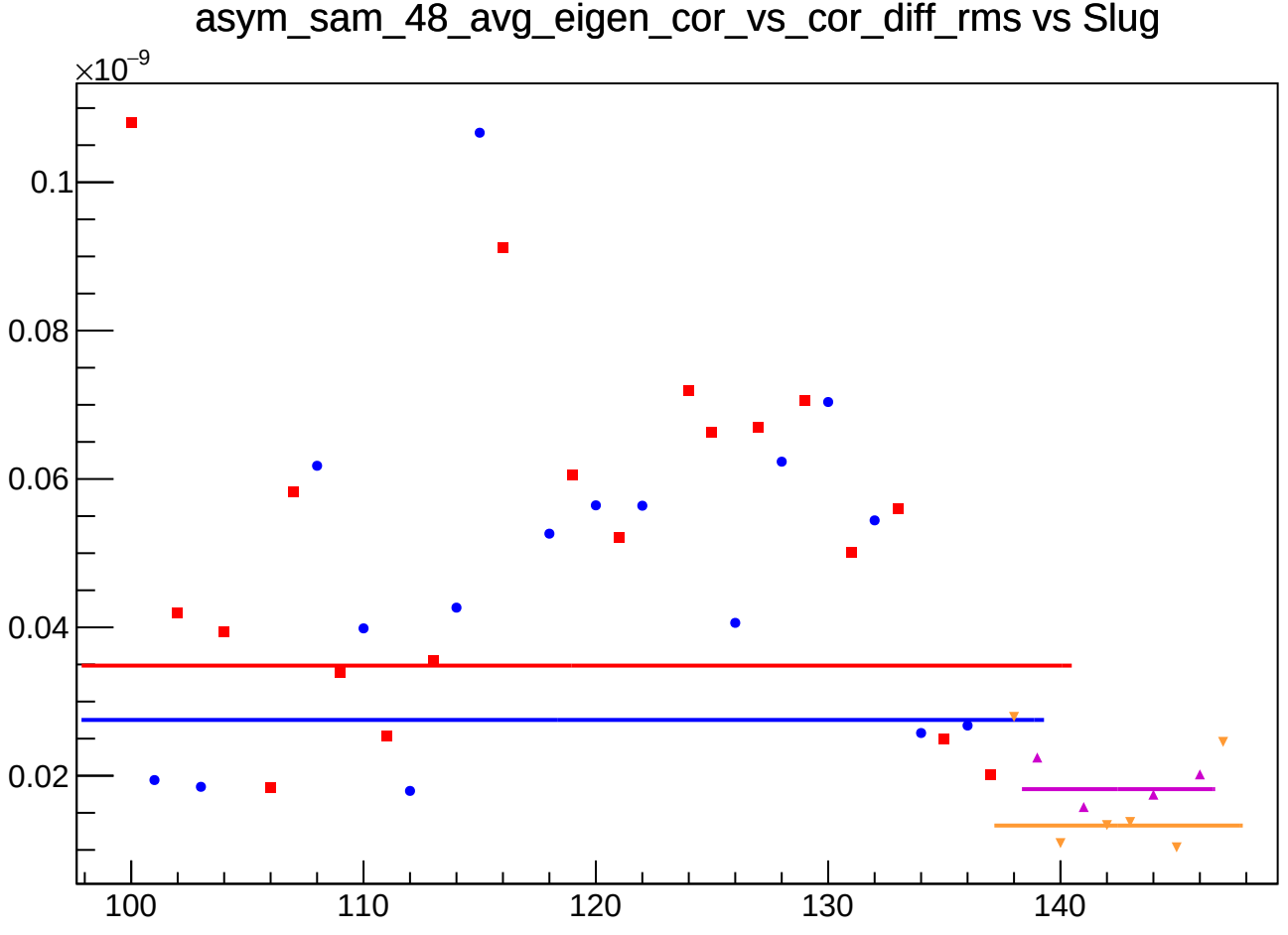
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/21

All: -0.000+/-0.000 χ^2/NDF: 59.4/44

- sign -0.000+/-0.000 χ^2/NDF: 30.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:665555.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

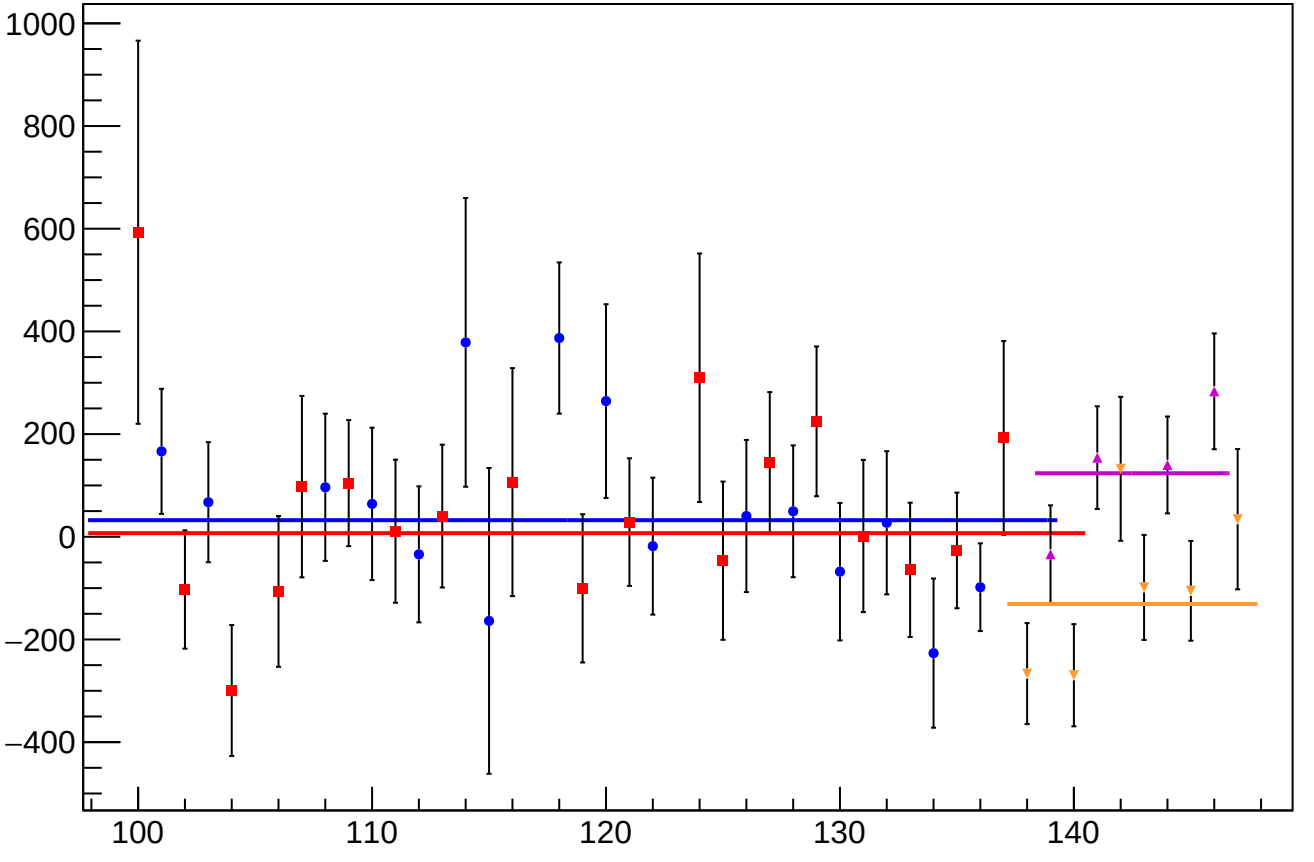
Left In: 0.000+/-0.000 χ^2/NDF:80198.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3920440.9/21

All: 0.000+/-0.000 χ^2/NDF: 7646816.4/44

- sign 0.000+/-0.000 χ^2/NDF: 3096522.1/22

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.871+/-44.264 χ^2/NDF:9.0/5

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

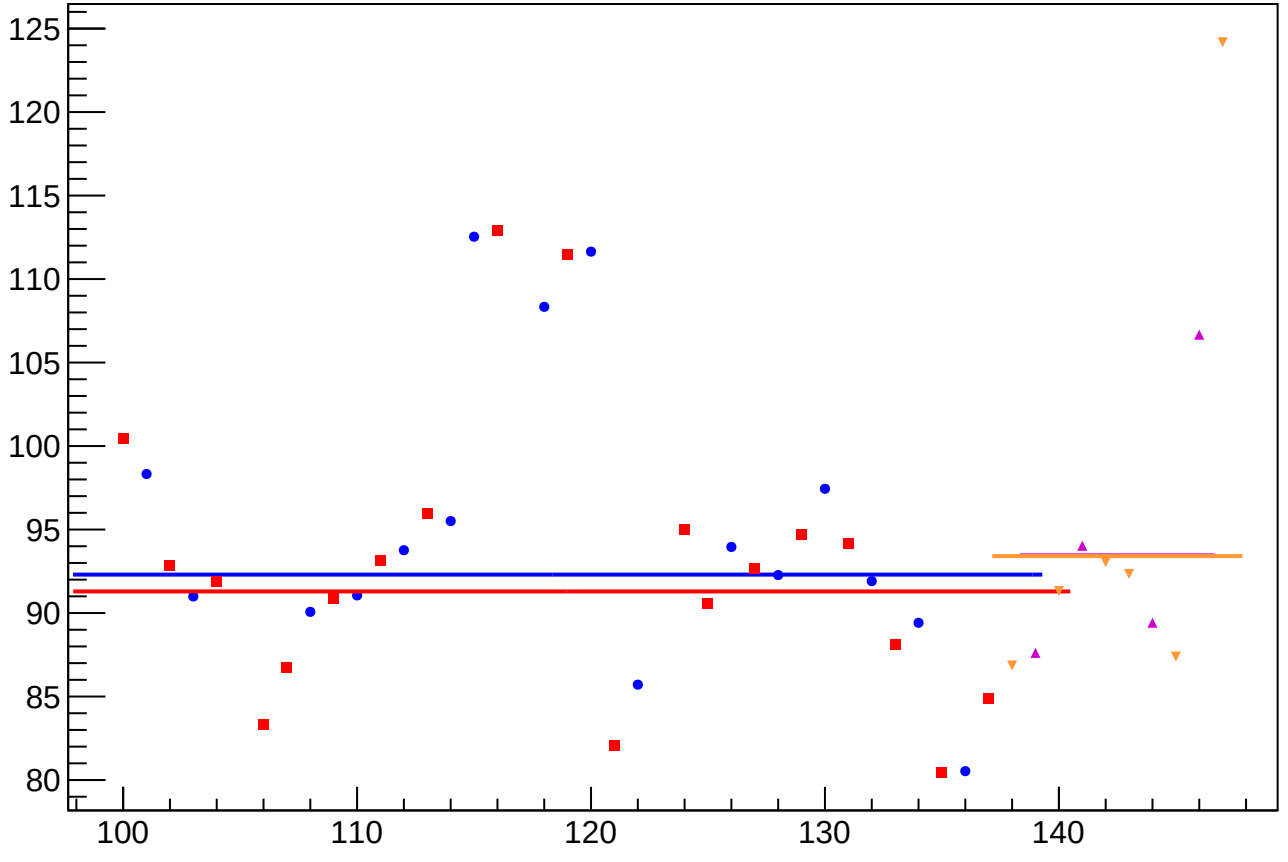
Left In: 123.778+/-49.929 χ^2/NDF:4.9/3

\+ sign -29.207+/-27.176 χ^2/NDF: 34.8/21

All: 6.201+/-19.424 χ^2/NDF: 64.7/44

\- sign 43.180+/-27.773 χ^2/NDF: 26.4/22

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

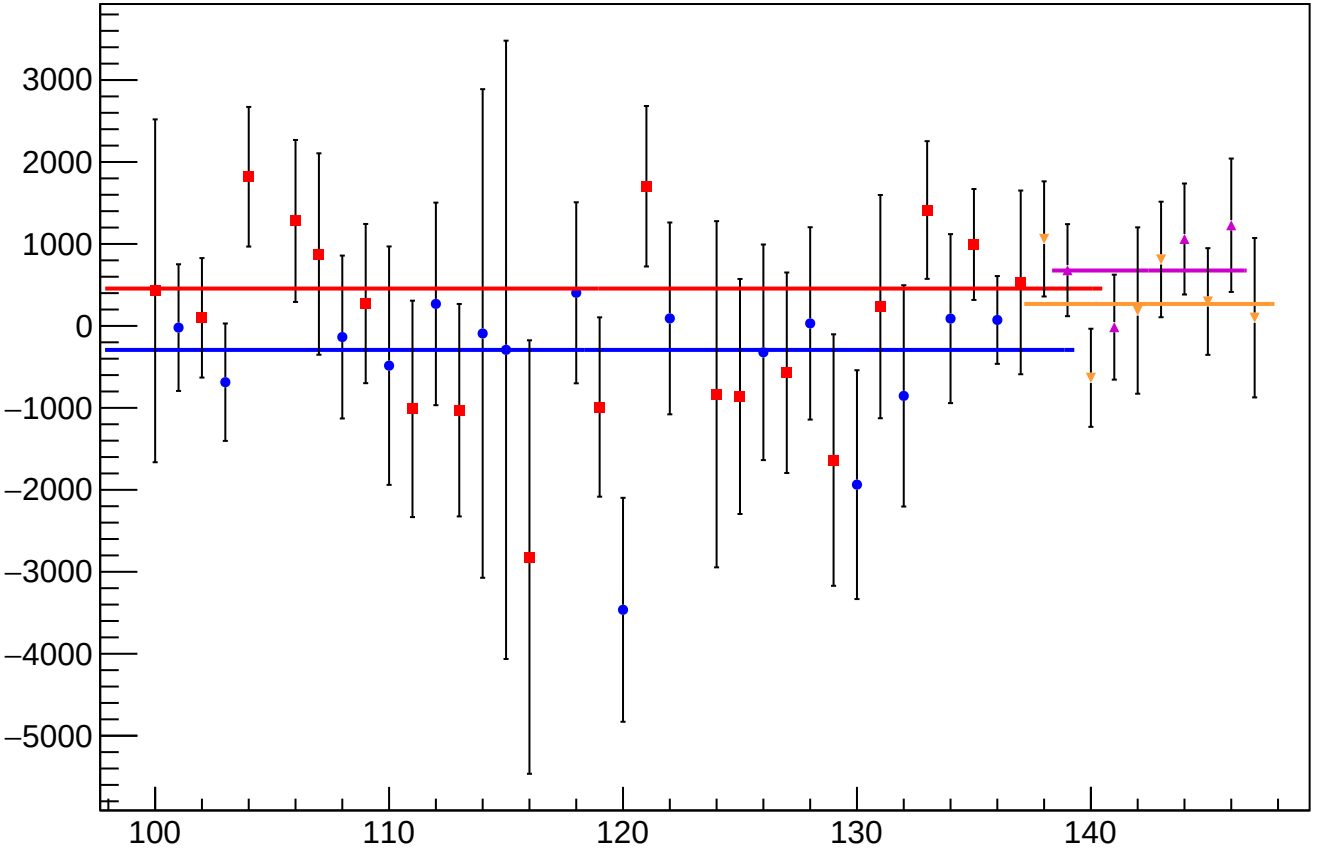
Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 92.349+/-0.014 χ^2/NDF: 374010.0/44

- sign 91.962+/-0.020 χ^2/NDF: 146380.3/22

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.973+/-298.528 χ^2/NDF:4.2/5

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

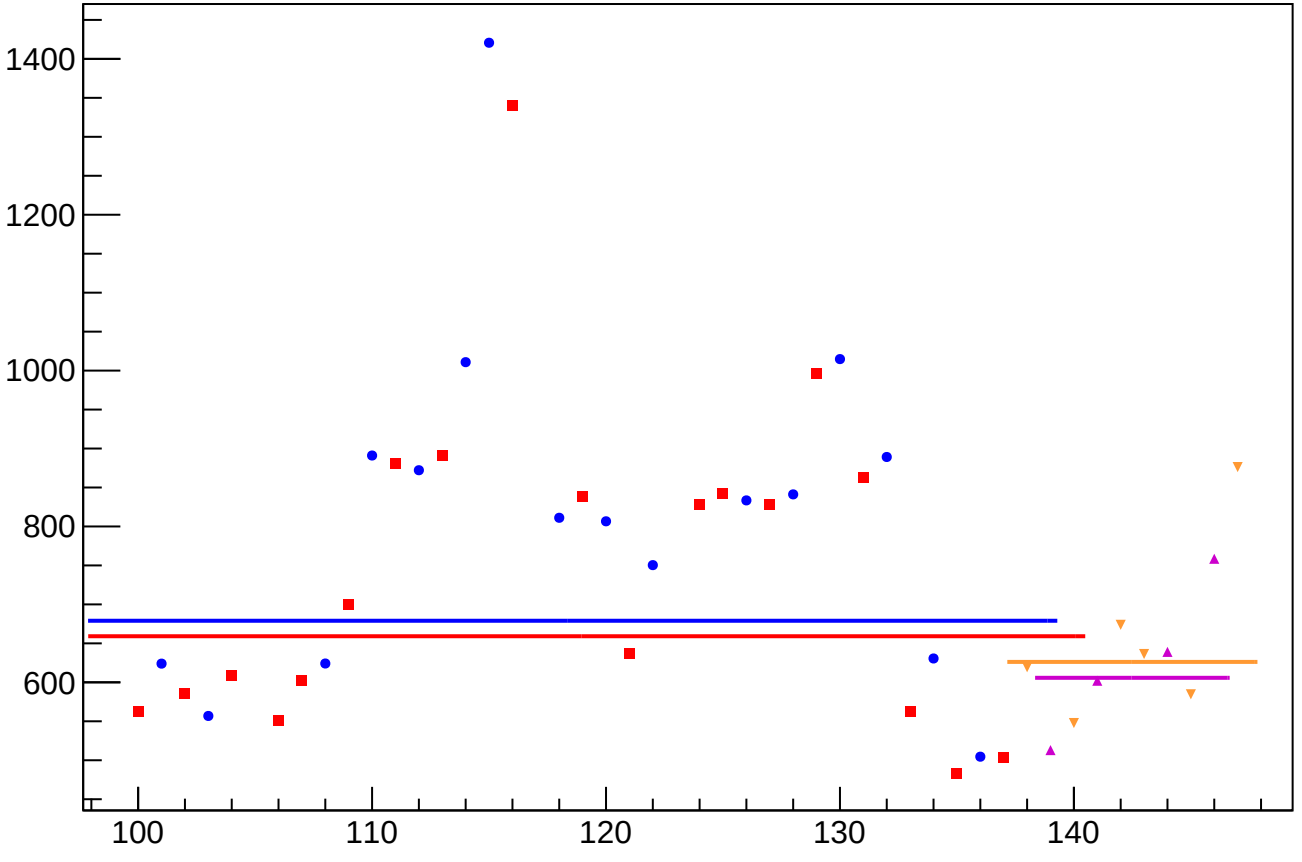
Left In: 676.005+/-327.890 χ^2/NDF:1.9/3

+ sign -51.214+/-195.932 χ^2/NDF: 15.0/21

All: 239.196+/-139.325 χ^2/NDF: 38.5/44

- sign 536.245+/-198.158 χ^2/NDF: 19.1/22

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.2/5

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

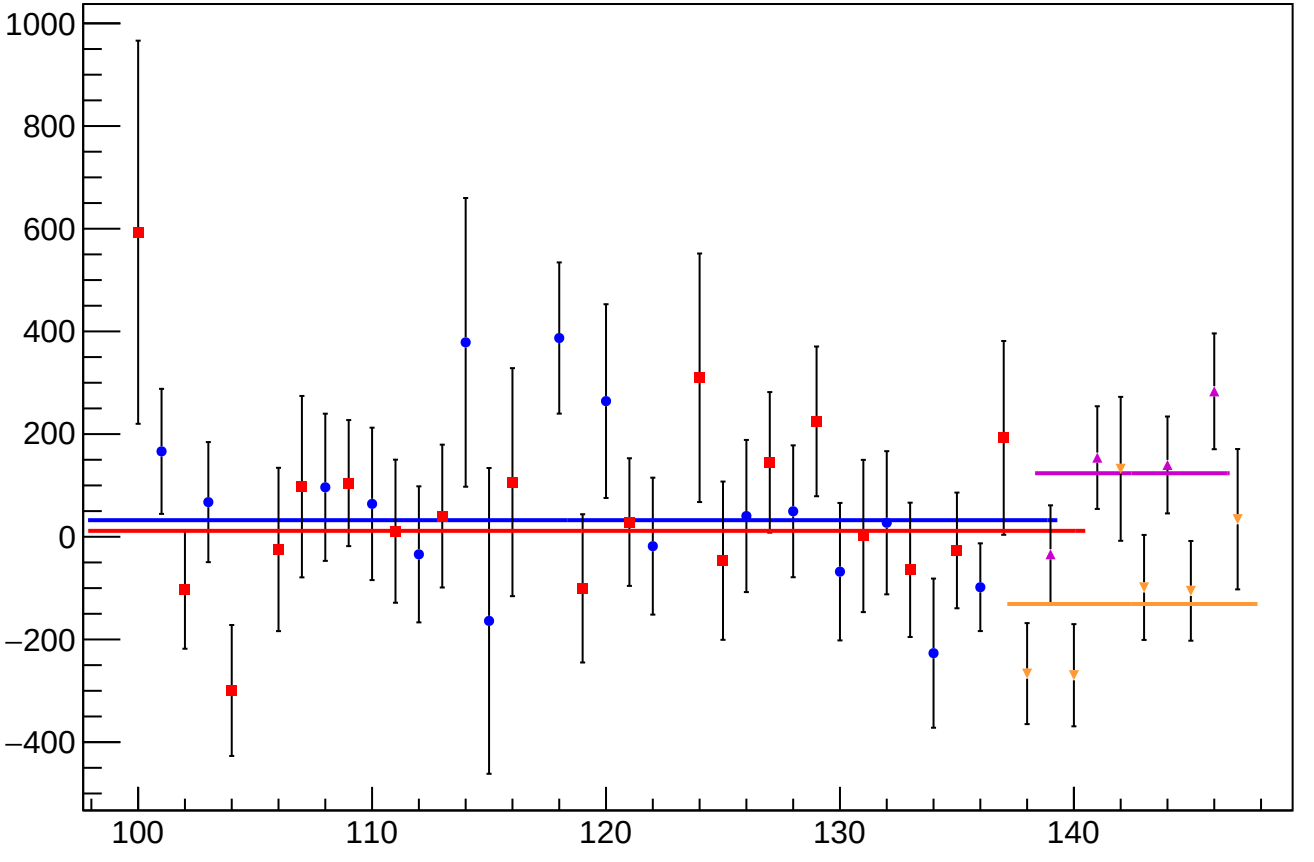
Left In: 605.797+/-0.232 χ^2/NDF:129973.2/3

+ sign 656.259+/-0.139 χ^2/NDF: 983335.5/21

All: 648.050+/-0.099 χ^2/NDF: 1949880.6/44

- sign 639.653+/-0.140 χ^2/NDF: 959442.9/22

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

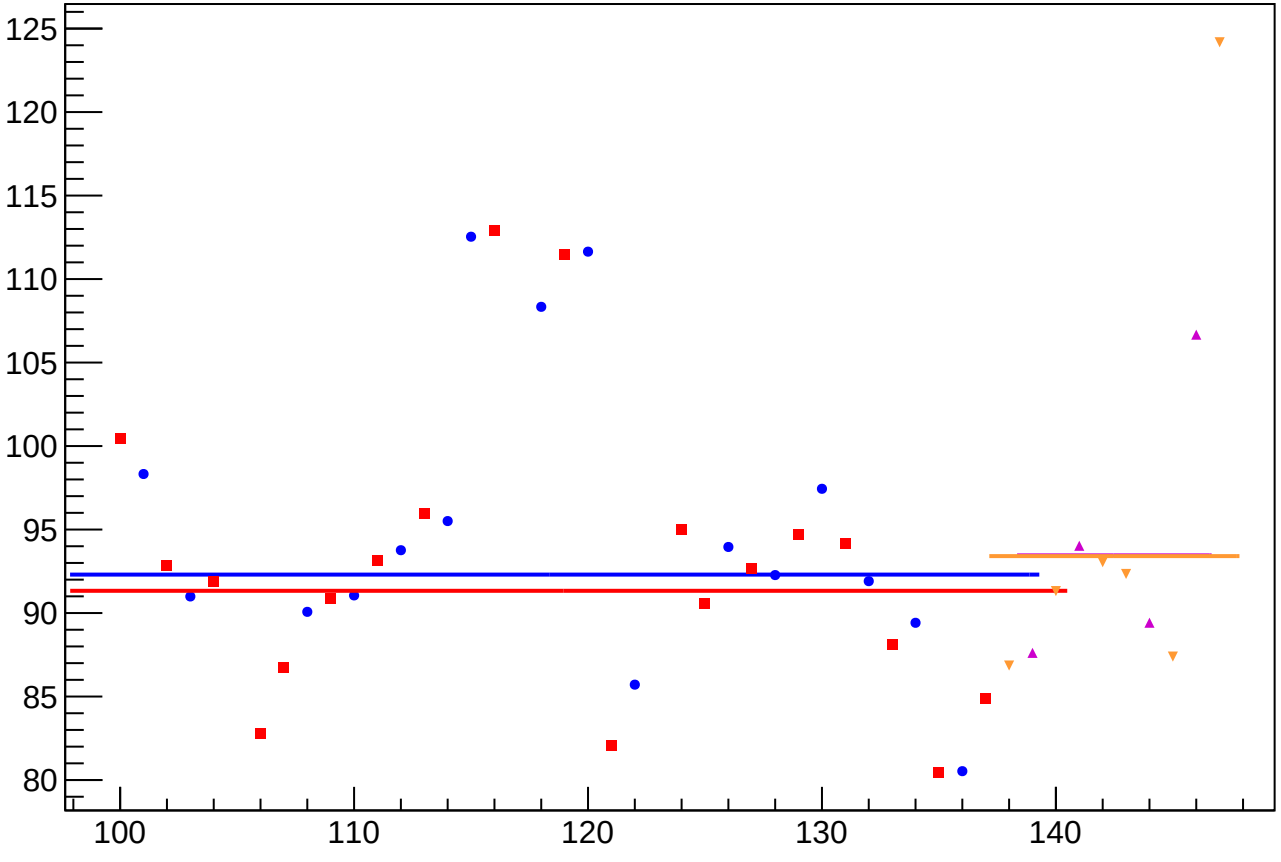
Left In: 123.784+/-49.929 χ^2/NDF:4.9/3

+ sign -29.200+/-27.176 χ^2/NDF: 34.8/21

All: 7.717+/-19.449 χ^2/NDF: 64.1/44

- sign 46.478+/-27.846 χ^2/NDF: 25.5/22

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

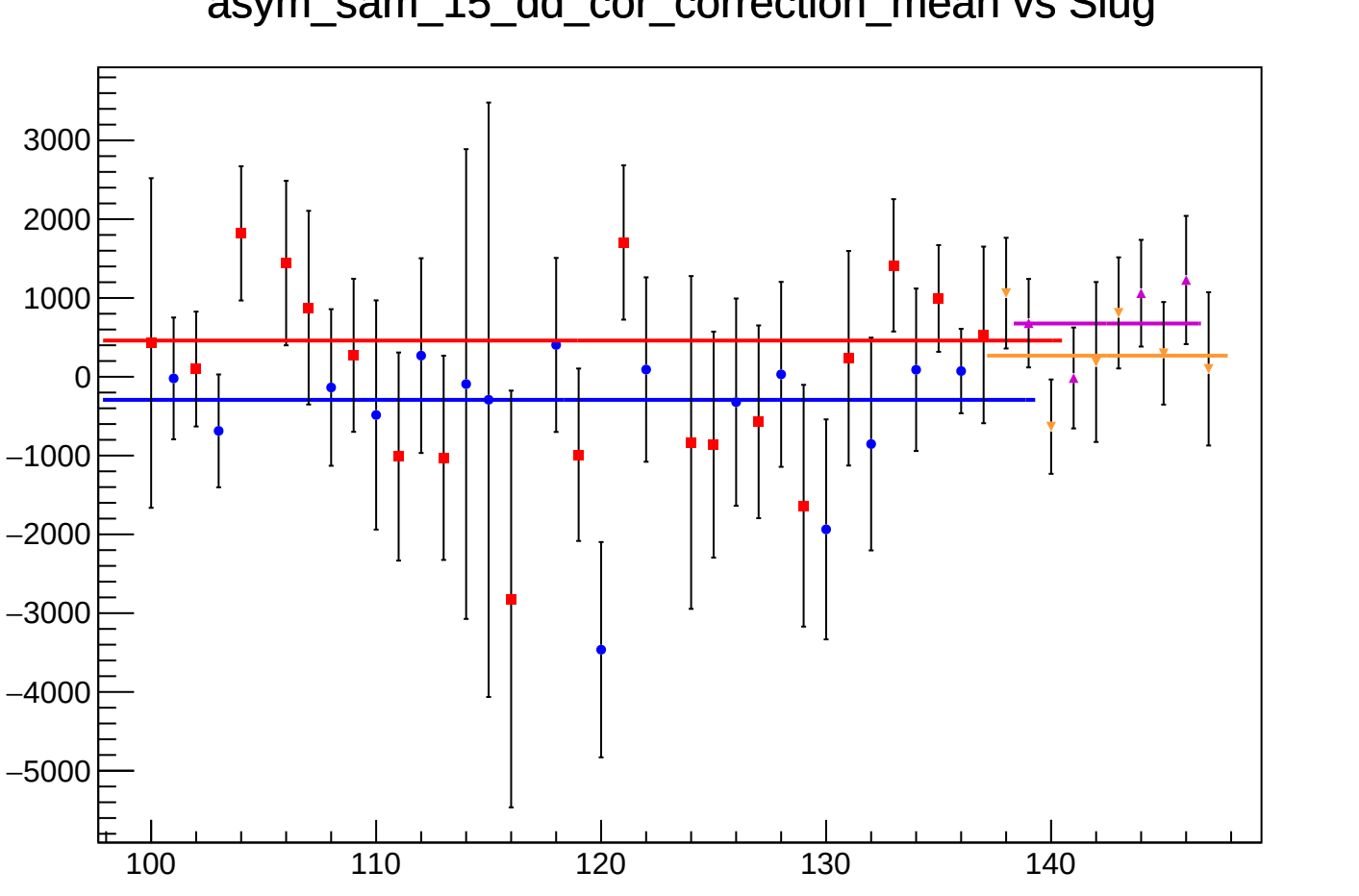
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 92.365+/-0.014 χ^2/NDF: 373674.0/44

- sign 91.992+/-0.020 χ^2/NDF: 146105.1/22



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

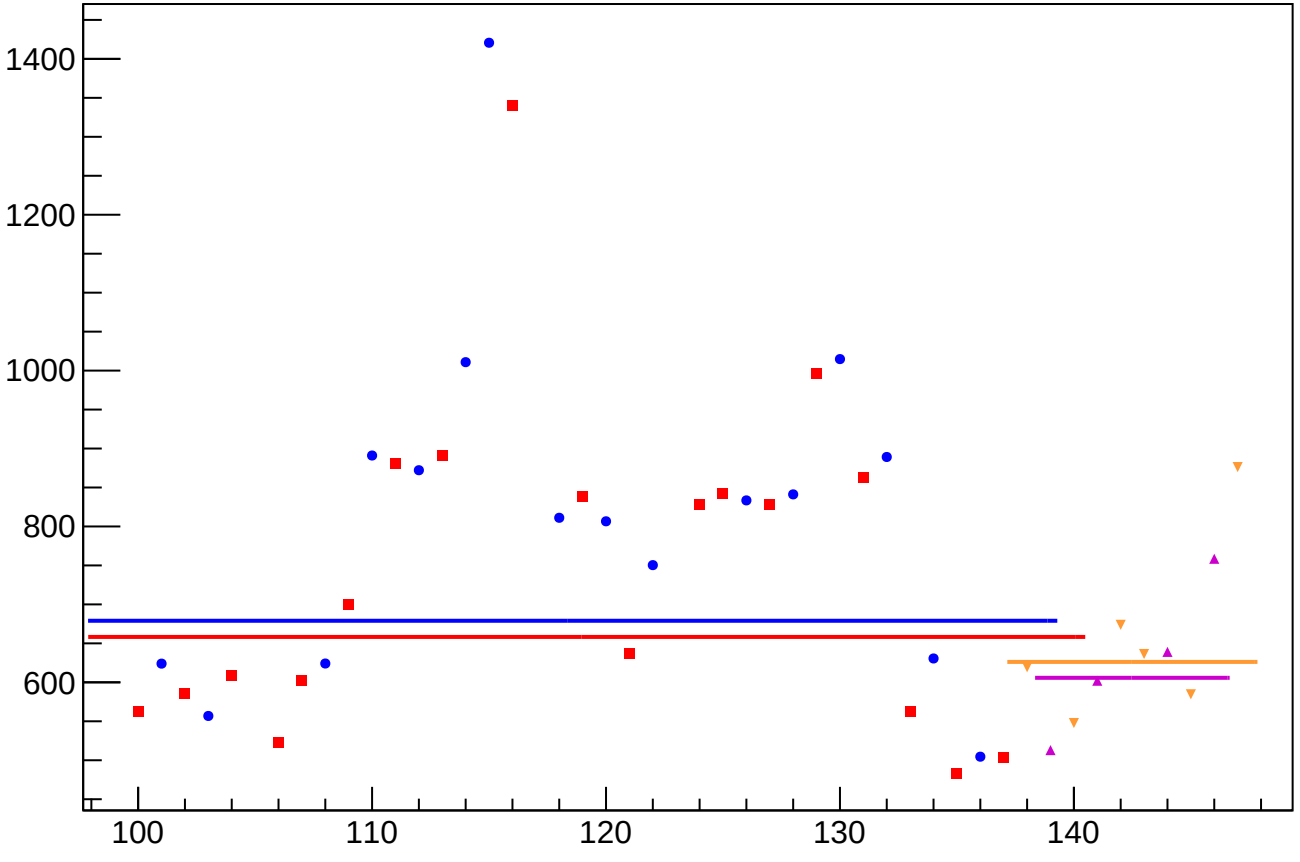
Left In: 676.005+/-327.891 χ^2/NDF:1.9/3

+ sign -51.215+/-195.932 χ^2/NDF: 15.0/21

All: 239.921+/-139.470 χ^2/NDF: 38.7/44

- sign 538.968+/-198.576 χ^2/NDF: 19.3/22

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

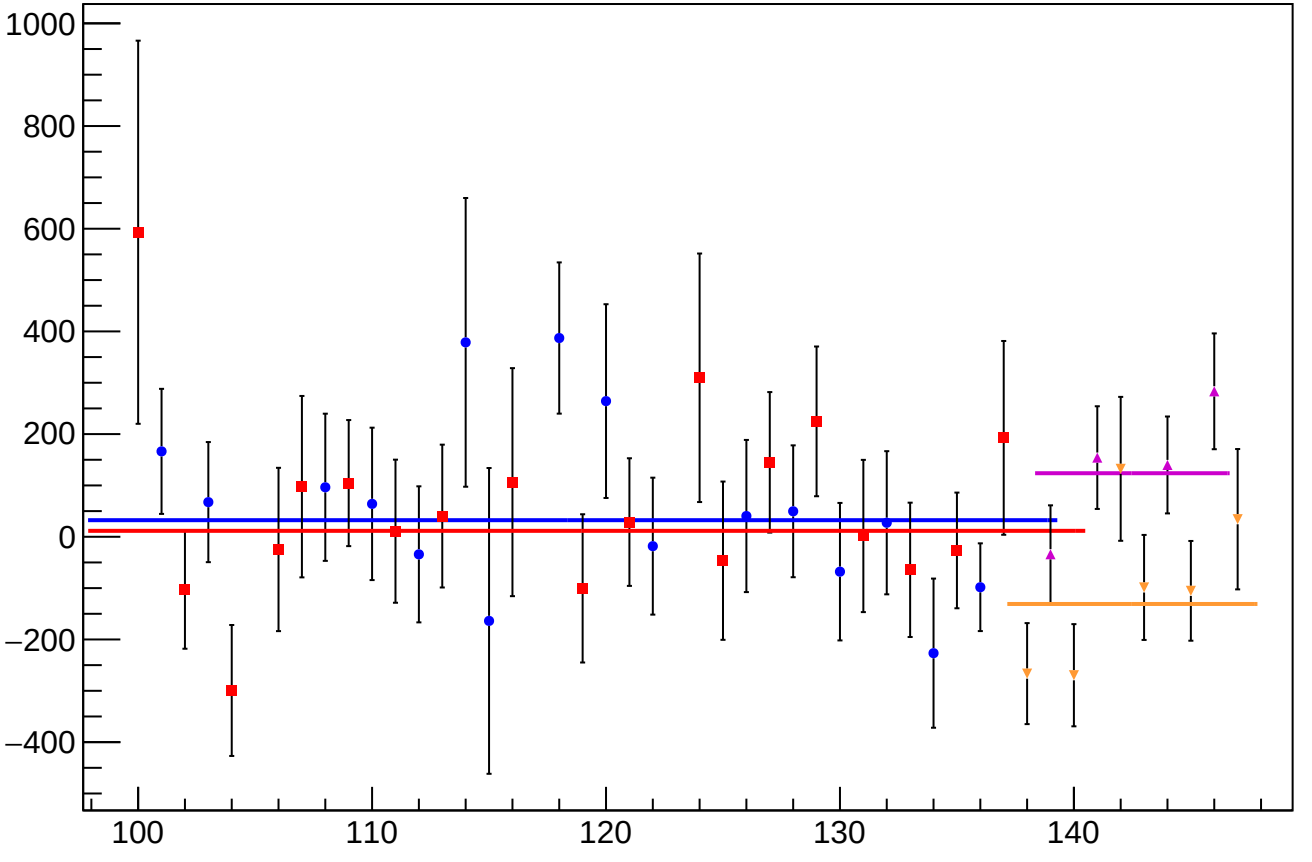
Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

+ sign 656.259+/-0.139 χ^2/NDF: 983338.0/21

All: 647.755+/-0.099 χ^2/NDF: 1959272.8/44

- sign 639.019+/-0.140 χ^2/NDF: 968296.6/22

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

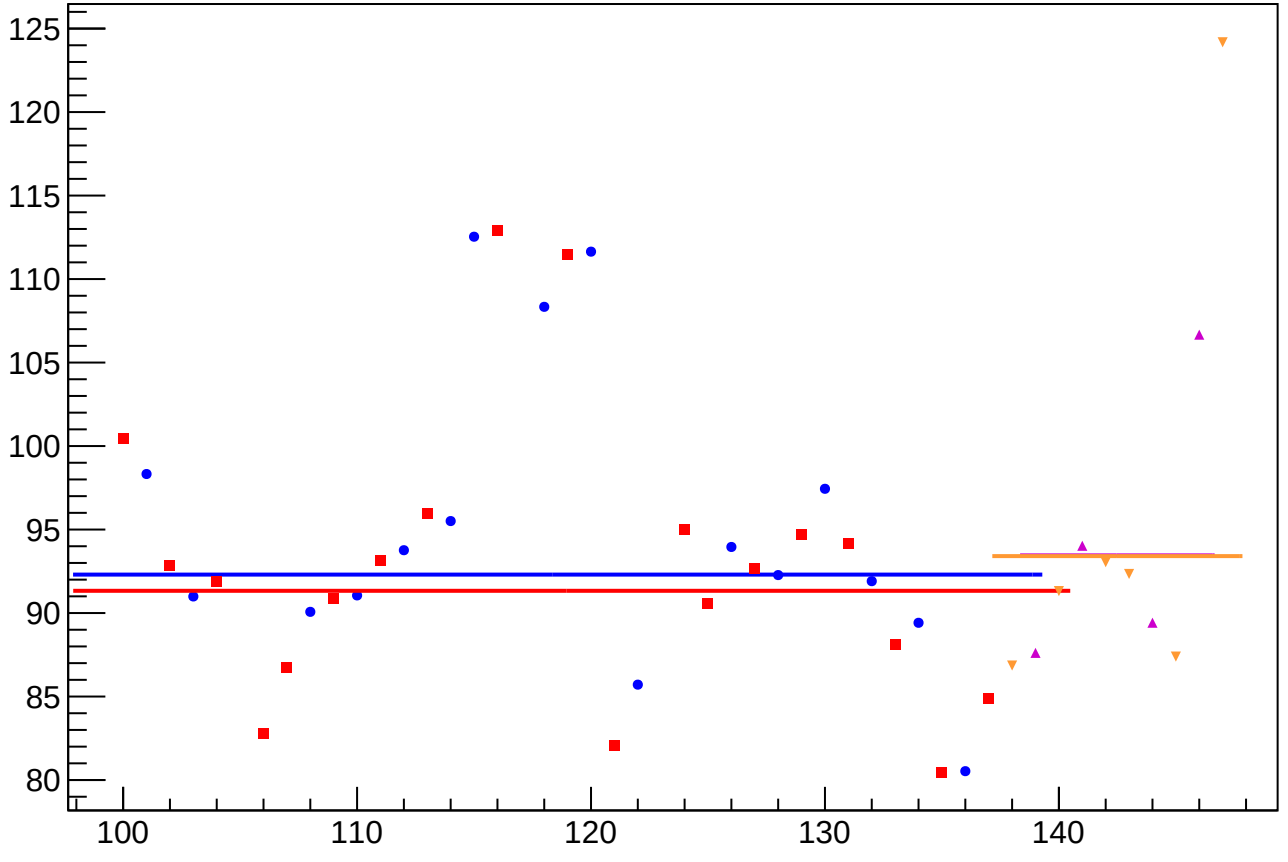
Left In: 123.784+/-49.929 χ^2/NDF:4.9/3

+ sign -29.200+/-27.176 χ^2/NDF: 34.8/21

All: 7.717+/-19.449 χ^2/NDF: 64.1/44

- sign 46.478+/-27.846 χ^2/NDF: 25.5/22

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

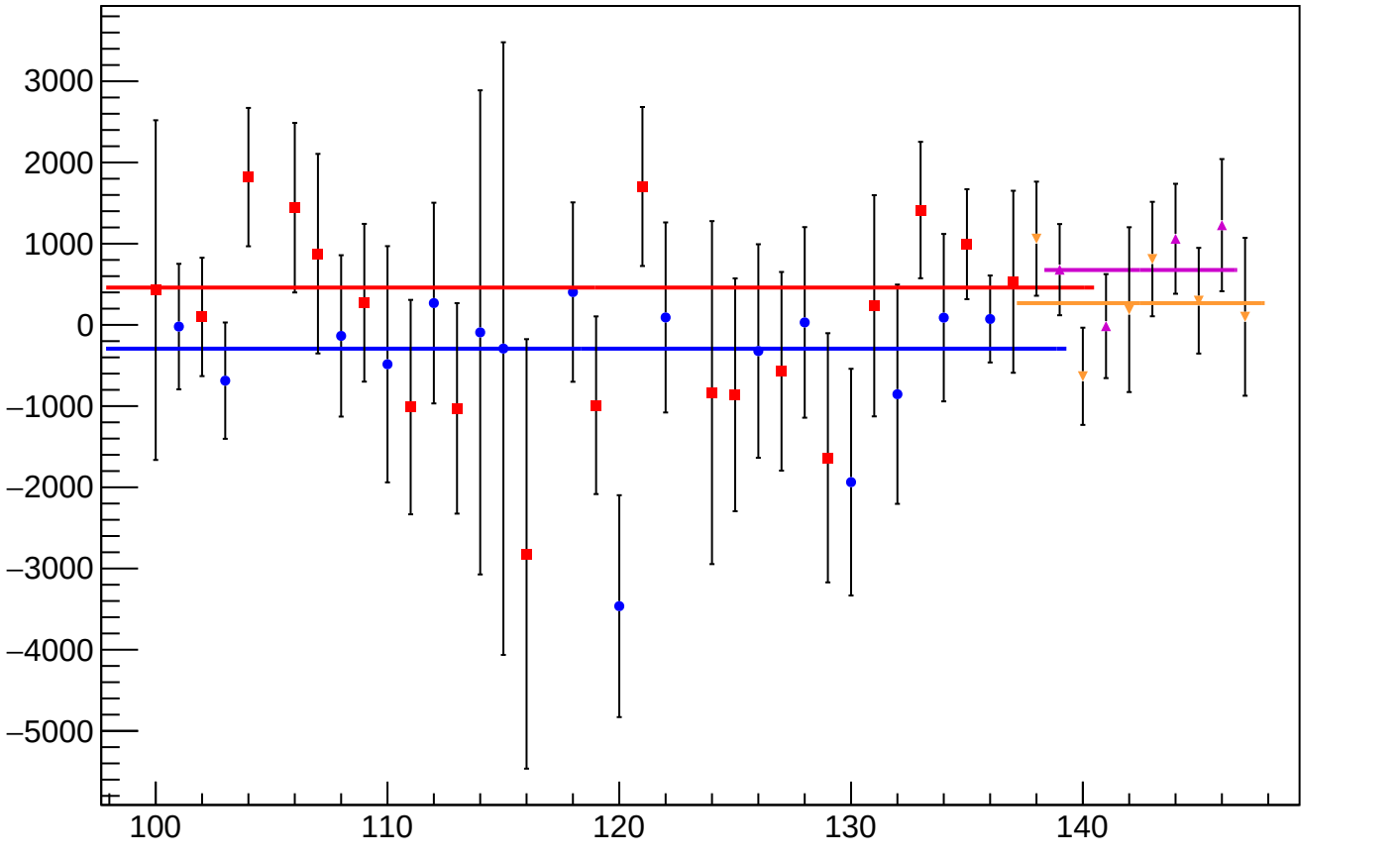
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 92.365+/-0.014 χ^2/NDF: 373674.0/44

- sign 91.992+/-0.020 χ^2/NDF: 146105.1/22



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

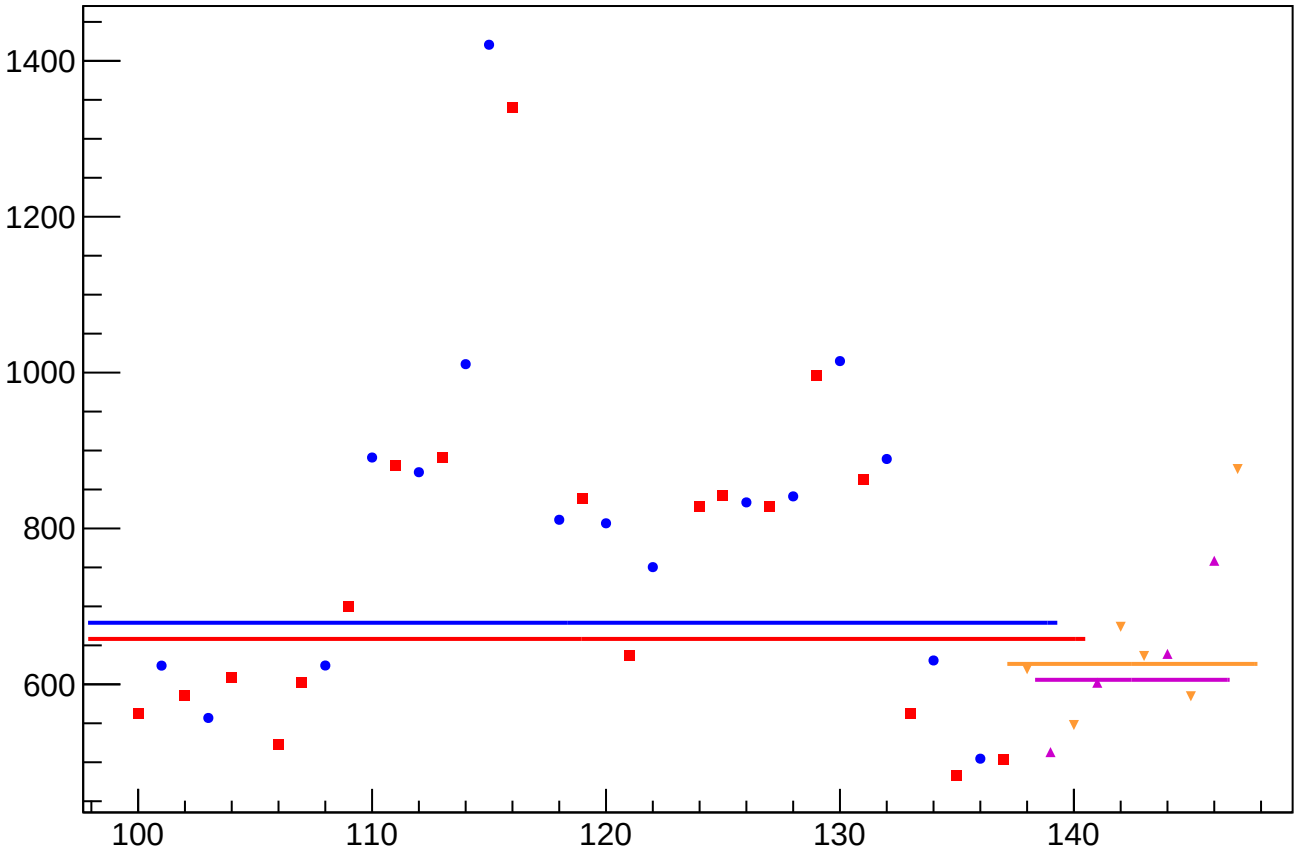
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 676.005+/-327.891 χ^2/NDF:1.9/3

+ sign -51.215+/-195.932 χ^2/NDF: 15.0/21

All: 239.921+/-139.470 χ^2/NDF: 38.7/44

- sign 538.968+/-198.576 χ^2/NDF: 19.3/22



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

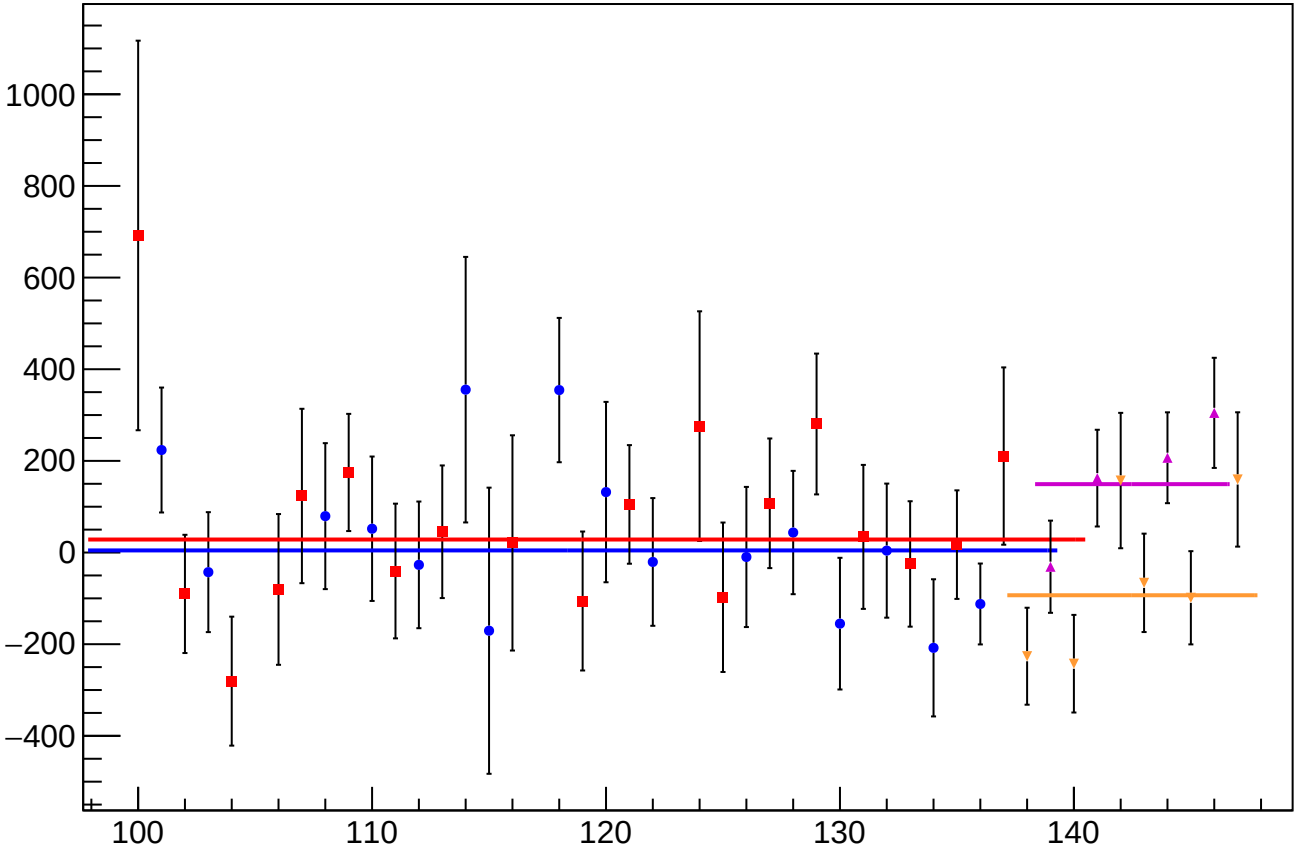
Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

+ sign 656.259+/-0.139 χ^2/NDF: 983338.0/21

All: 647.755+/-0.099 χ^2/NDF: 1959272.8/44

- sign 639.019+/-0.140 χ^2/NDF: 968296.6/22

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.216+/-46.971 χ^2/NDF:9.5/5

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

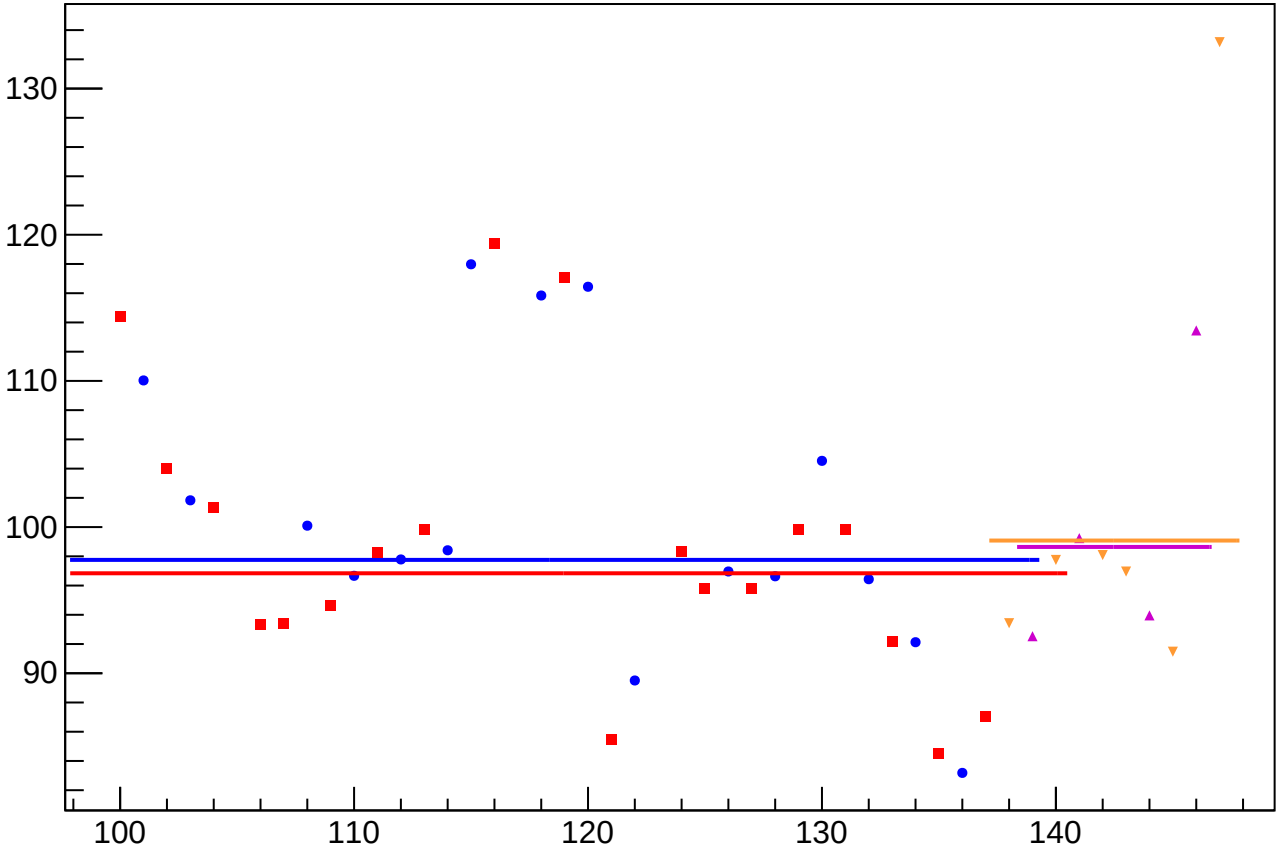
Left In: 149.246+/-52.734 χ^2/NDF:5.2/3

+ sign -32.227+/-28.825 χ^2/NDF: 27.5/21

All: 15.889+/-20.593 χ^2/NDF: 59.1/44

- sign 66.040+/-29.429 χ^2/NDF: 25.9/22

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 99.079+/-0.033 χ^2/NDF:126285.5/5

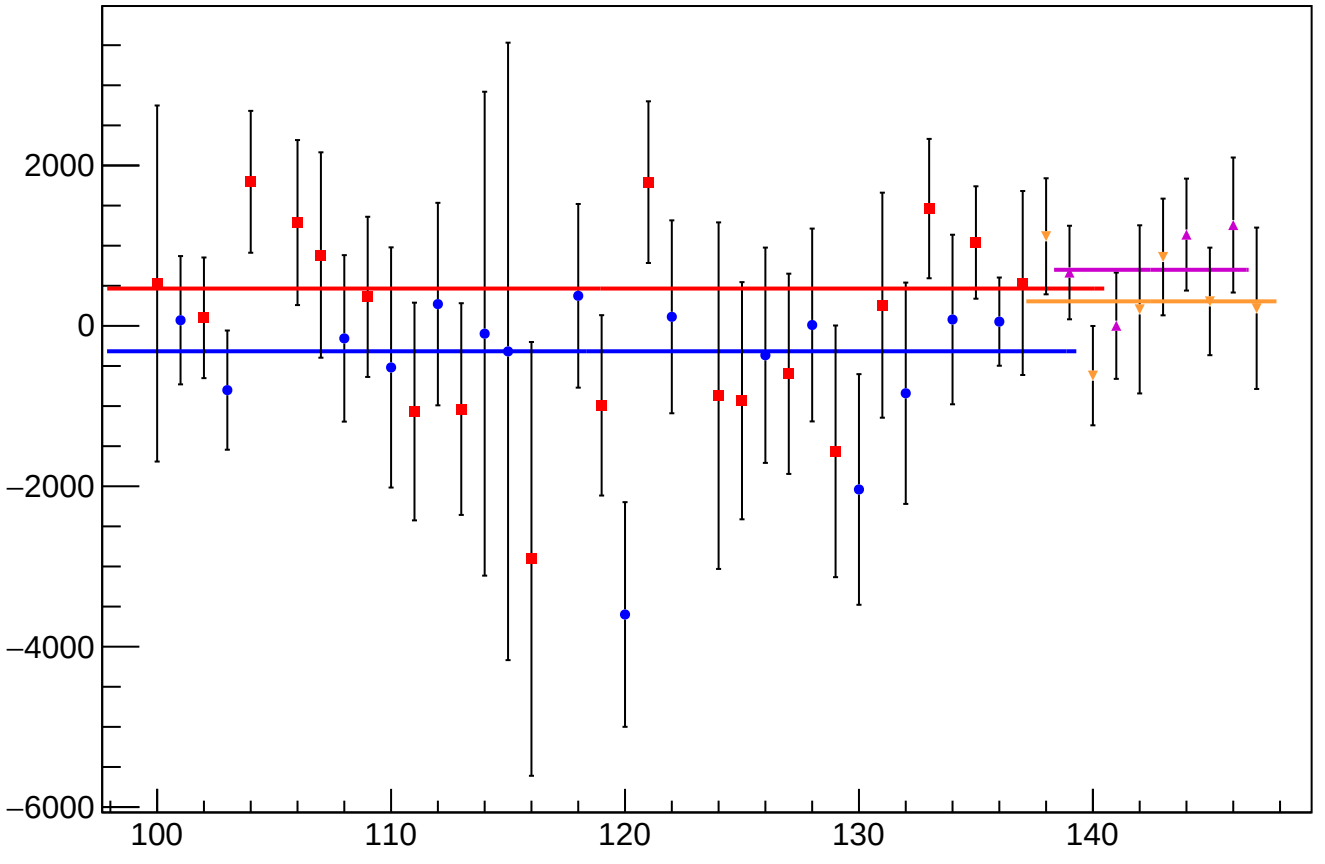
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.4/3

+ sign 98.254+/-0.020 χ^2/NDF: 267929.7/21

All: 97.837+/-0.015 χ^2/NDF: 427850.8/44

- sign 97.401+/-0.021 χ^2/NDF: 159062.6/22



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.082+/-308.188 χ^2/NDF:4.1/5

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

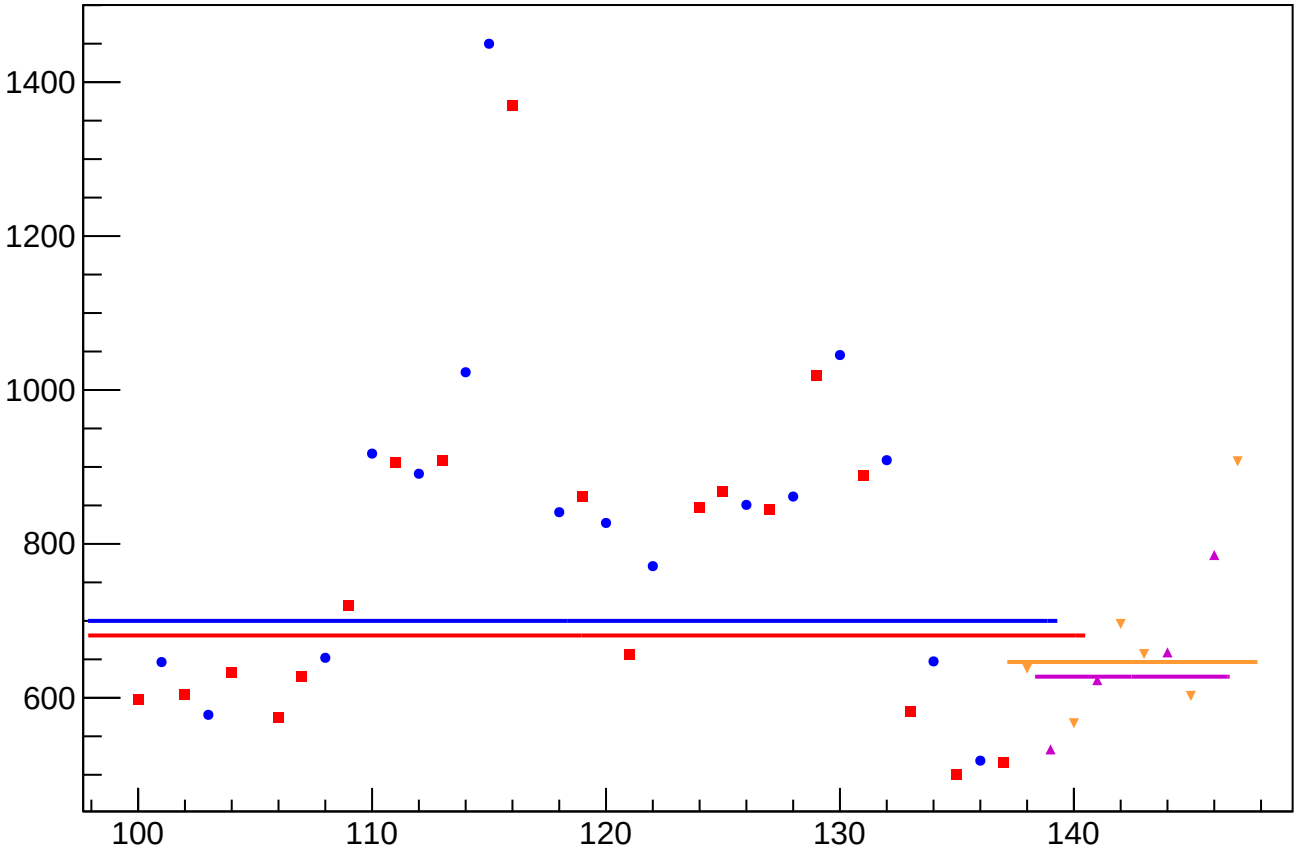
Left In: 699.404+/-339.377 χ^2/NDF:1.9/3

+ sign -49.016+/-202.022 χ^2/NDF: 15.6/21

All: 246.863+/-143.790 χ^2/NDF: 38.6/44

- sign 550.647+/-204.703 χ^2/NDF: 18.7/22

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 646.549+/-0.218 χ^2/NDF:181158.3/5

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

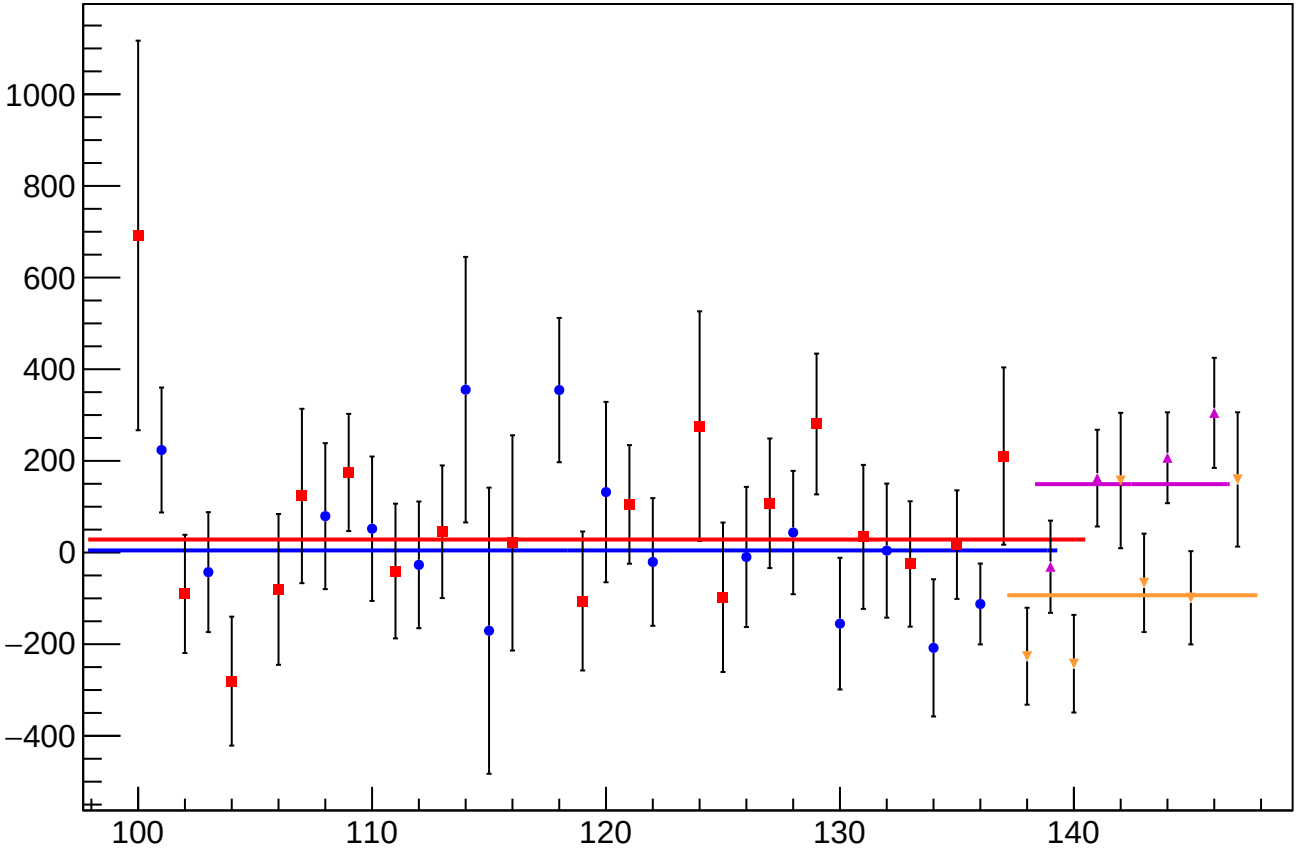
Left In: 627.484+/-0.240 χ^2/NDF:127207.4/3

+ sign 677.016+/-0.143 χ^2/NDF: 969098.3/21

All: 669.380+/-0.102 χ^2/NDF: 1903152.3/44

- sign 661.540+/-0.145 χ^2/NDF: 928262.9/22

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.217+/-46.971 χ^2/NDF:9.5/5

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

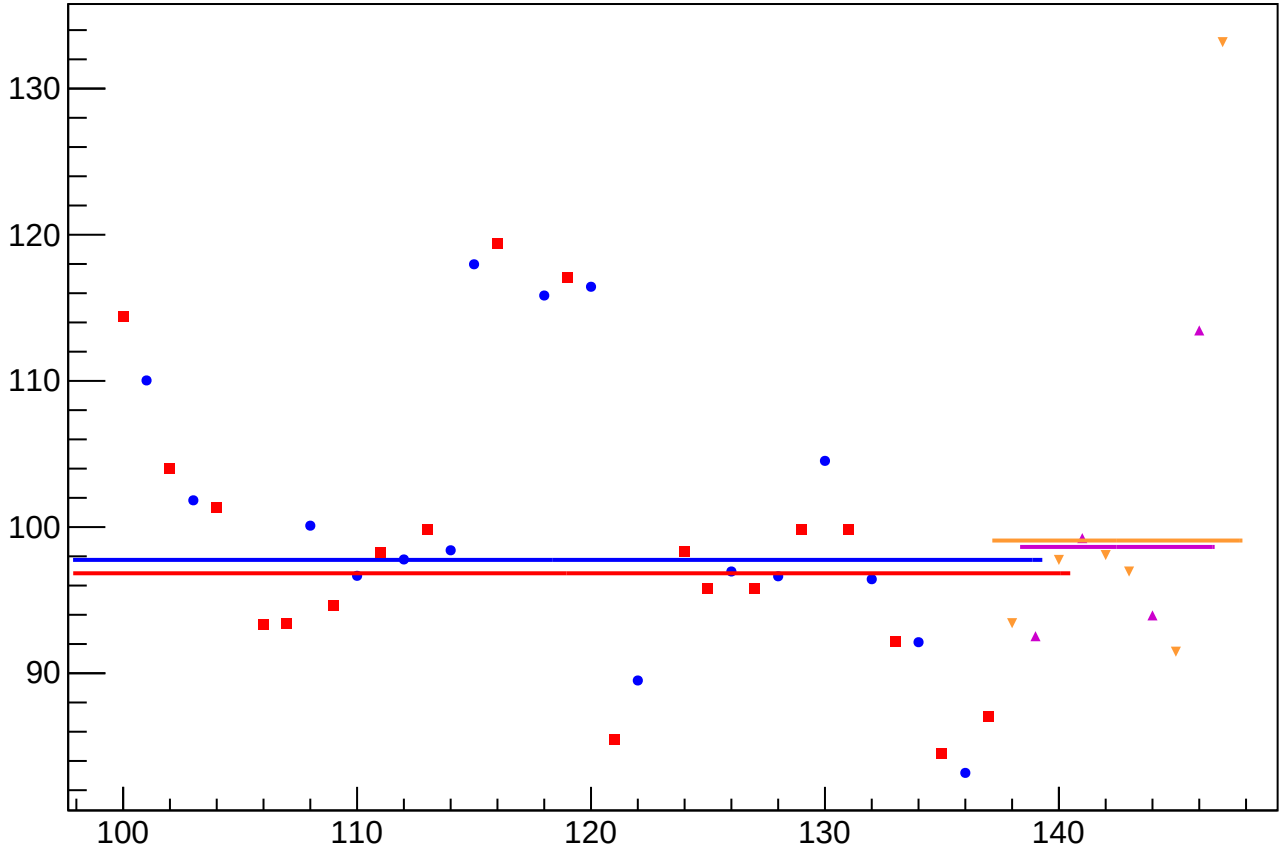
Left In: 149.247+/-52.735 χ^2/NDF:5.2/3

+ sign -32.227+/-28.825 χ^2/NDF: 27.5/21

All: 15.889+/-20.593 χ^2/NDF: 59.1/44

- sign 66.040+/-29.429 χ^2/NDF: 25.9/22

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 99.080+/-0.033 χ^2/NDF:126286.4/5

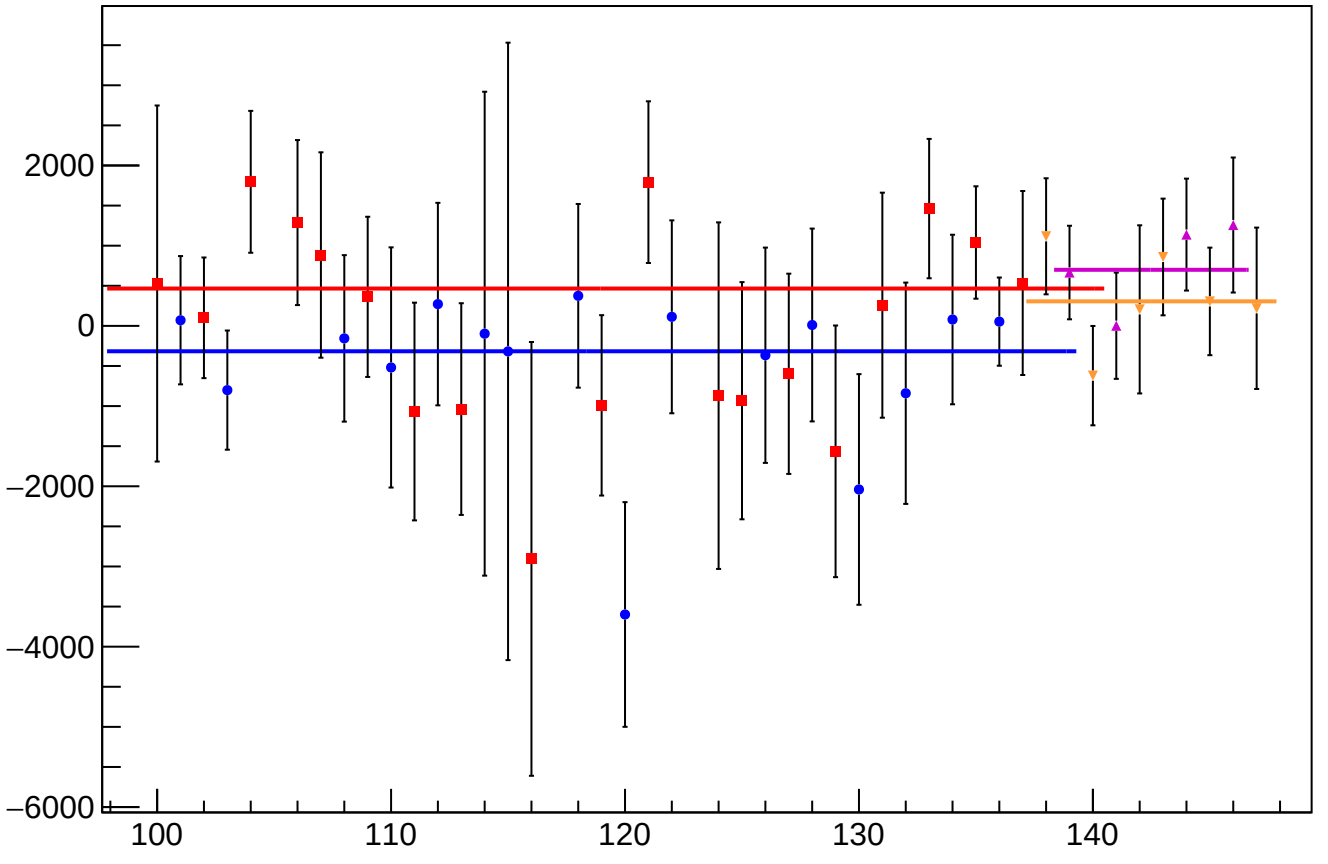
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.9/3

+ sign 98.254+/-0.020 χ^2/NDF: 267931.6/21

All: 97.836+/-0.015 χ^2/NDF: 427856.4/44

- sign 97.401+/-0.021 χ^2/NDF: 159066.2/22



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.081+/-308.188 χ^2/NDF:4.1/5

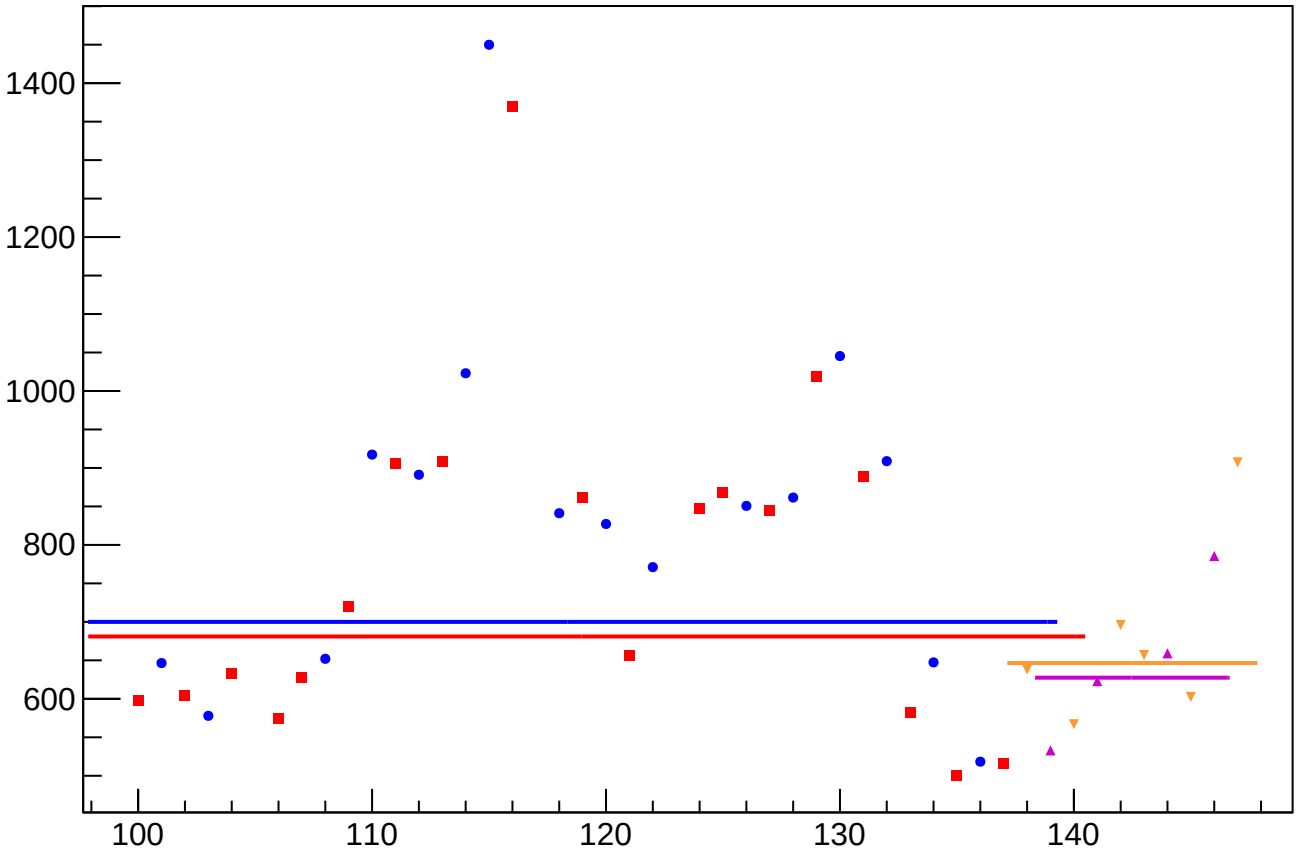
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 699.405+/-339.377 χ^2/NDF:1.9/3

+ sign -49.016+/-202.022 χ^2/NDF: 15.6/21

All: 246.863+/-143.790 χ^2/NDF: 38.6/44

- sign 550.647+/-204.703 χ^2/NDF: 18.7/22



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 646.550+/-0.218 χ^2/NDF:181157.8/5

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

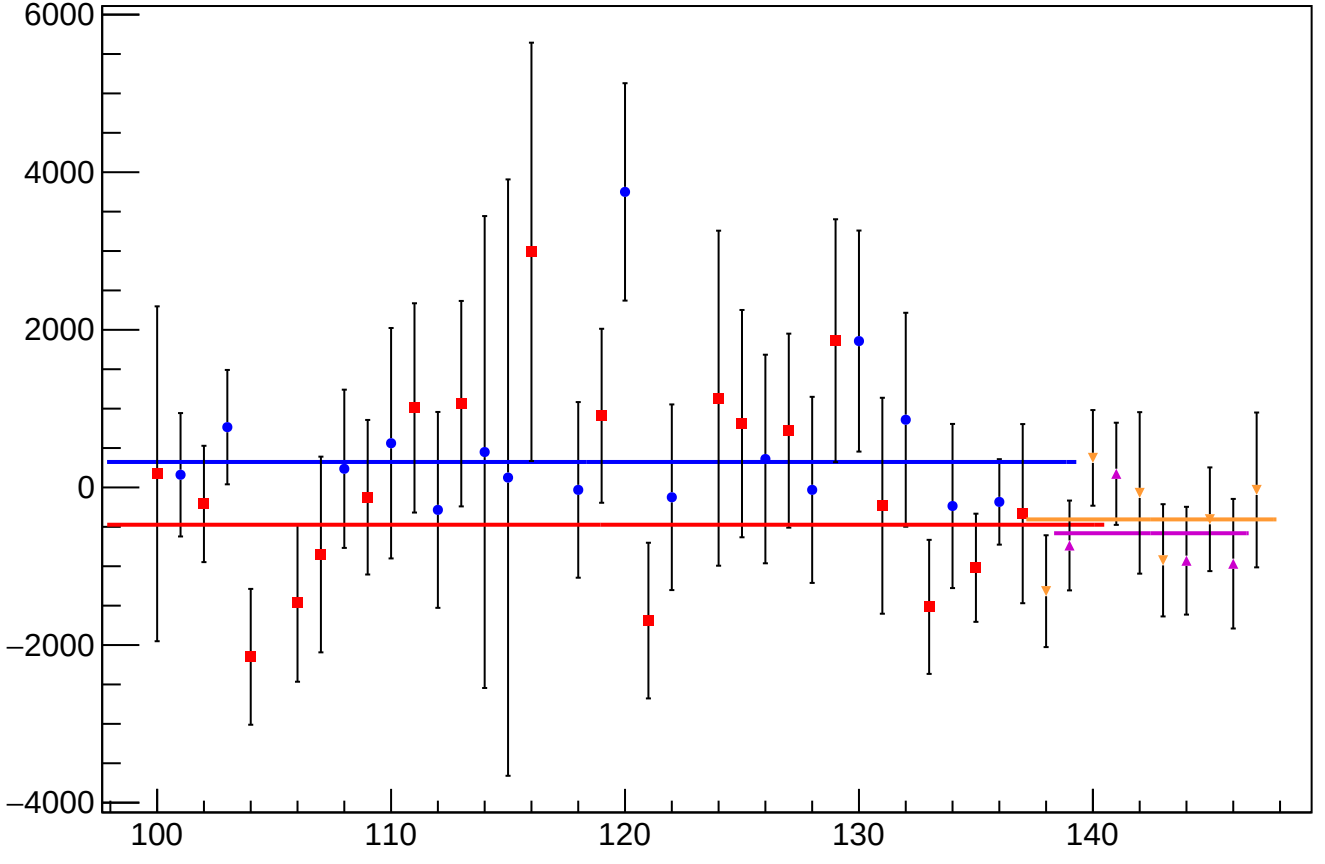
Left In: 627.485+/-0.240 χ^2/NDF:127207.2/3

+ sign 677.016+/-0.143 χ^2/NDF: 969097.8/21

All: 669.380+/-0.102 χ^2/NDF: 1903151.9/44

- sign 661.540+/-0.145 χ^2/NDF: 928262.8/22

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -405.694+/-301.911 χ^2/NDF:4.1/5

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

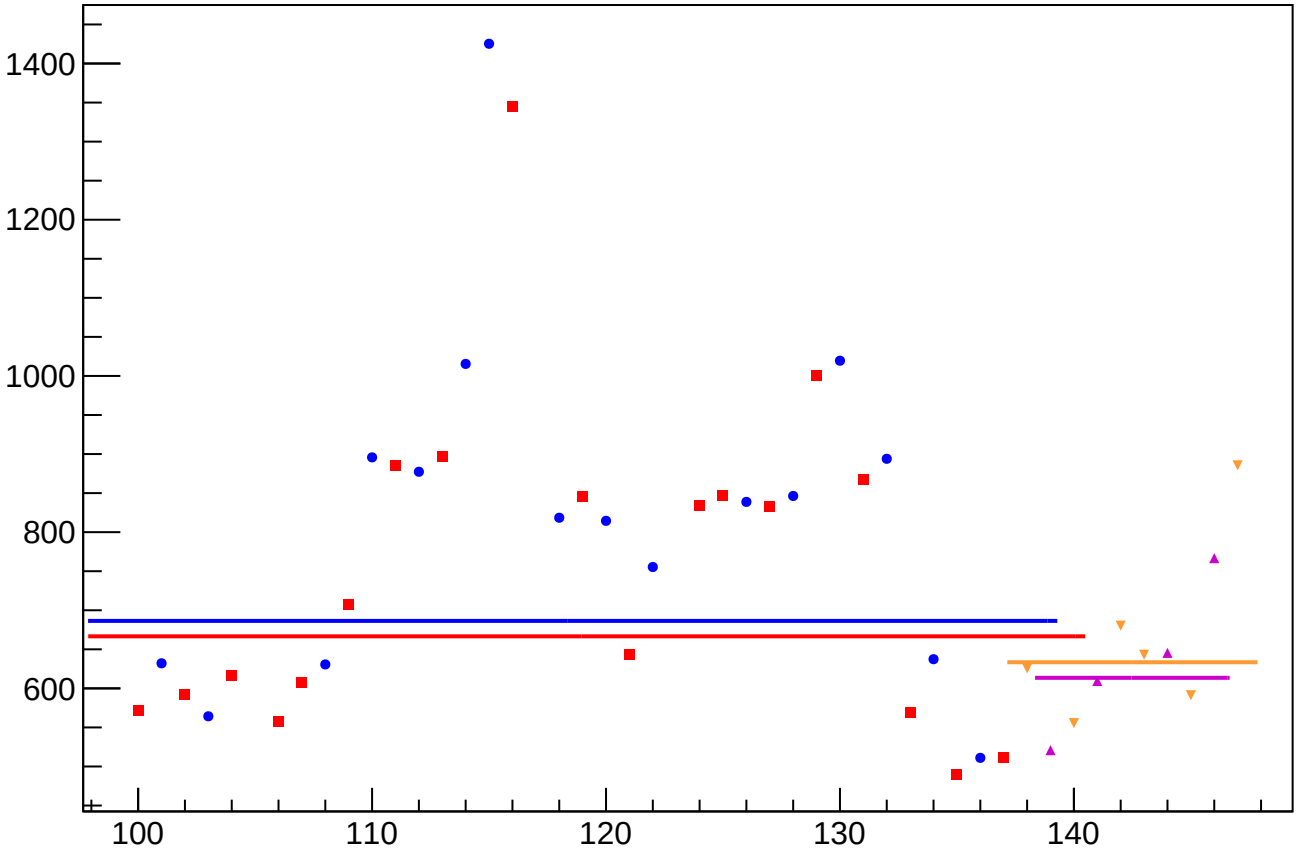
Left In: -581.152+/-331.921 χ^2/NDF:1.9/3

+ sign 9.630+/-198.022 χ^2/NDF: 17.1/21

All: -248.389+/-140.845 χ^2/NDF: 41.9/44

- sign -512.561+/-200.370 χ^2/NDF: 21.4/22

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 633.446+/-0.213 χ^2/NDF:177707.8/5

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

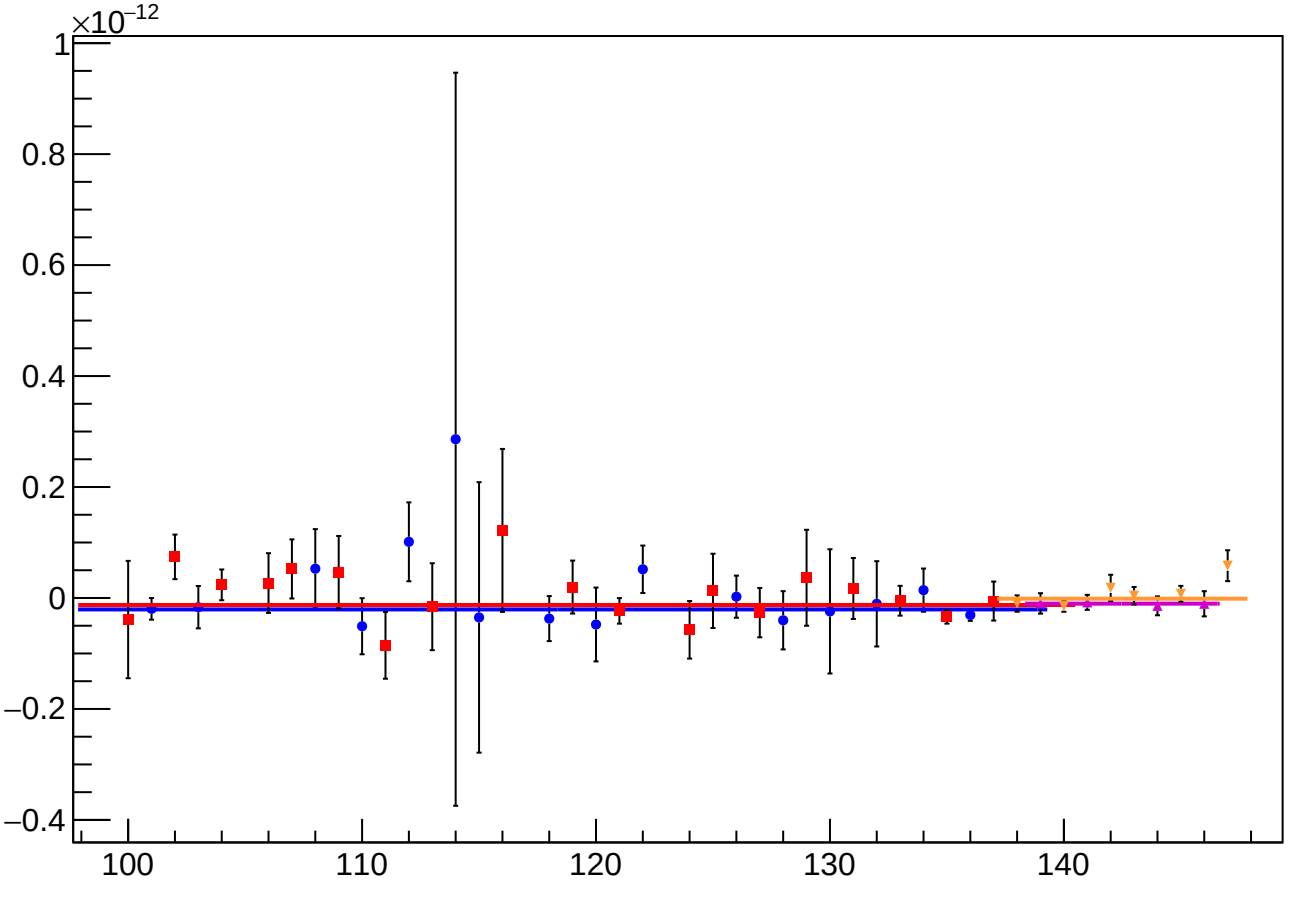
Left In: 613.522+/-0.235 χ^2/NDF:126724.8/3

+ sign 663.616+/-0.140 χ^2/NDF: 962213.6/21

All: 655.544+/-0.100 χ^2/NDF: 1905245.7/44

- sign 647.280+/-0.142 χ^2/NDF: 936306.6/22

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:7.9/5

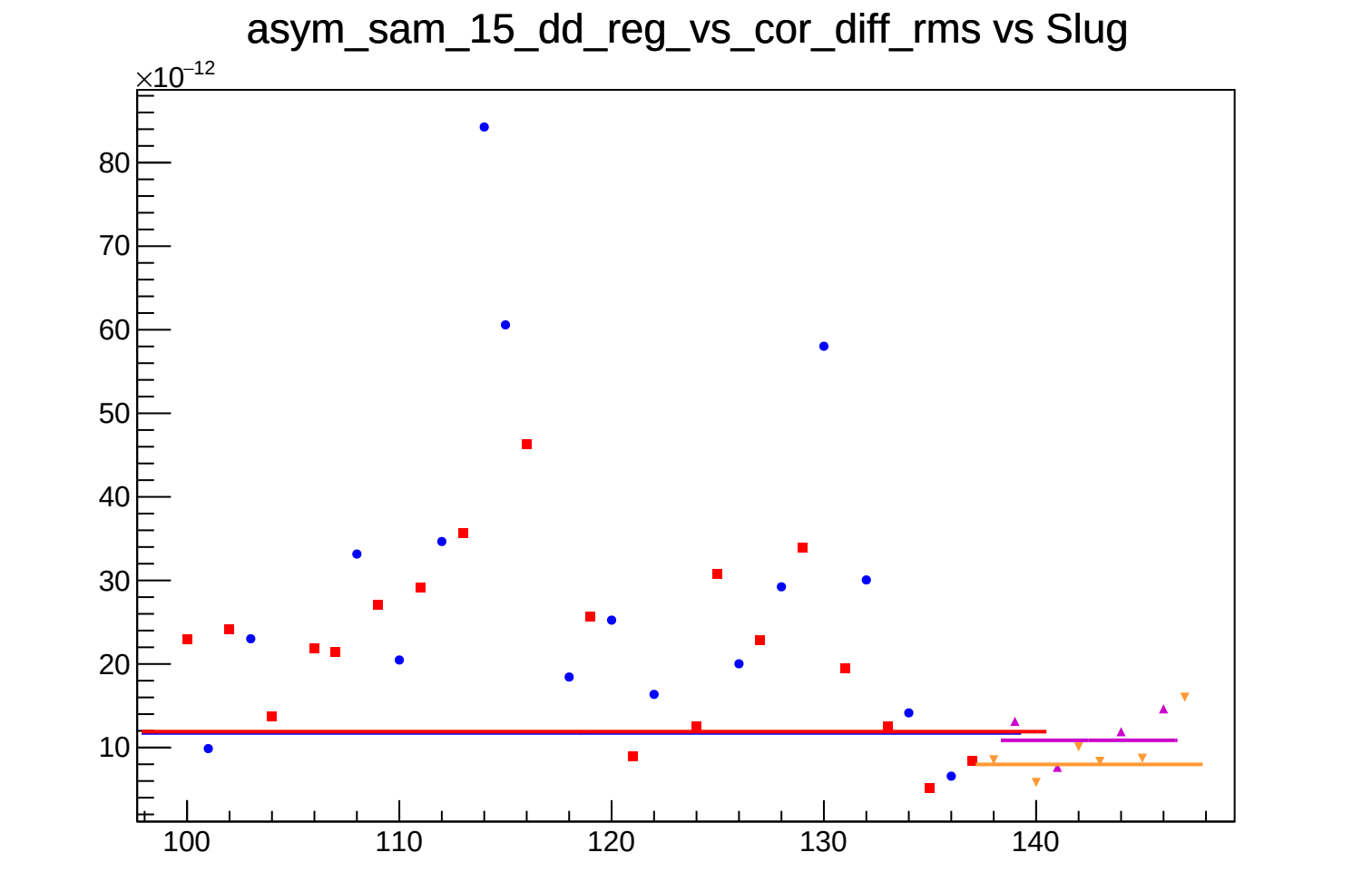
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/21

All: -0.000+/-0.000 χ^2/NDF: 39.1/44

- sign -0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:285421.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

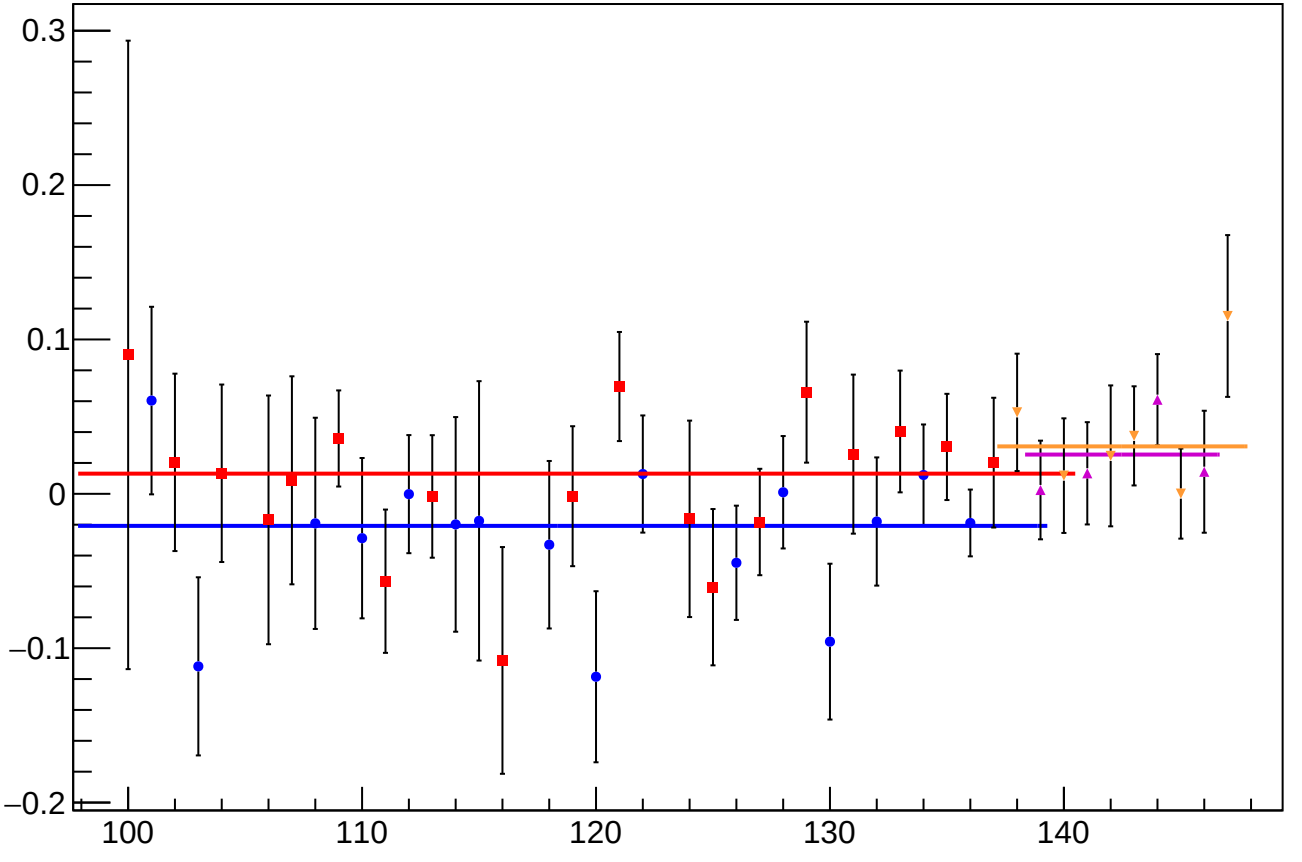
Left In: 0.000+/-0.000 χ^2/NDF:206488.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2734271.5/21

All: 0.000+/-0.000 χ^2/NDF: 5302213.5/44

- sign 0.000+/-0.000 χ^2/NDF: 2424975.2/22

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: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

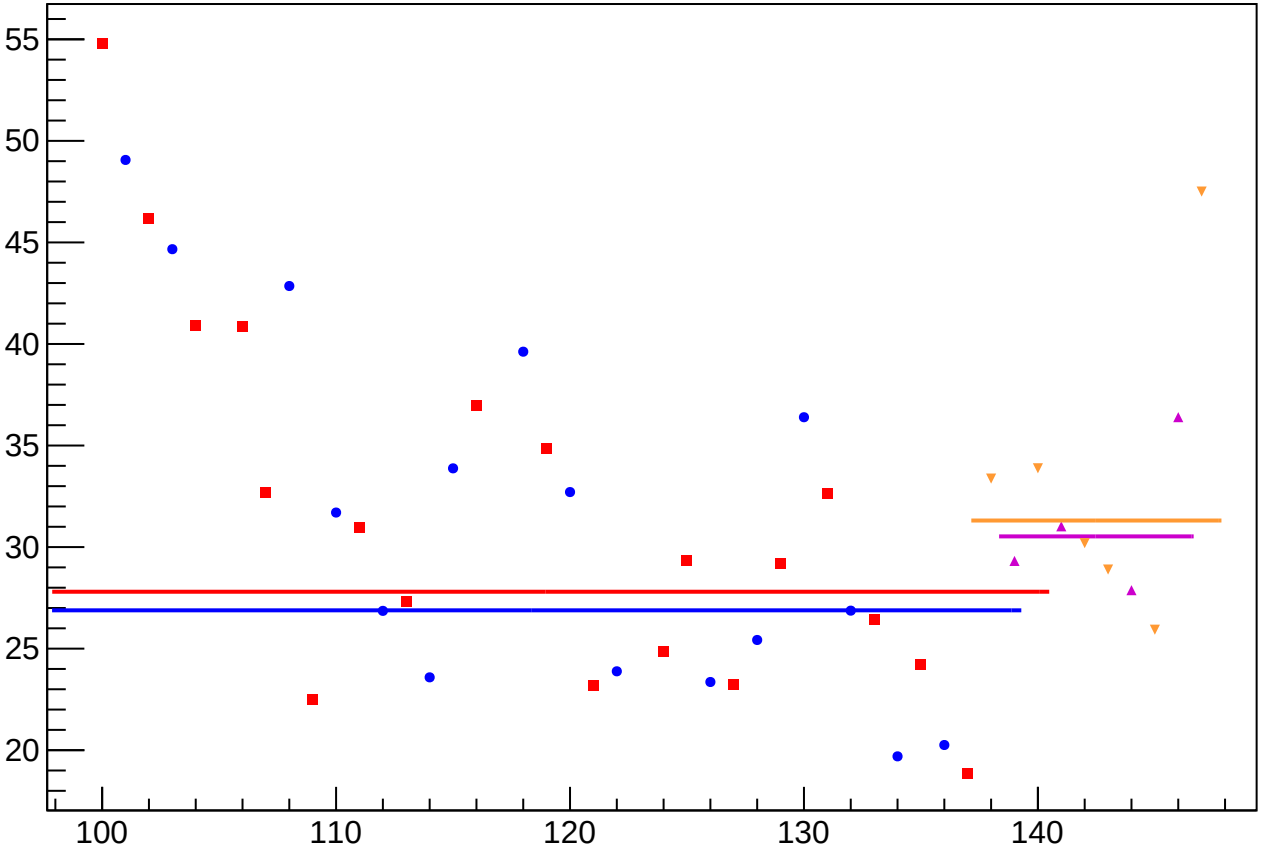
Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.006+/-0.006 χ^2/NDF: 44.0/44

- sign 0.017+/-0.009 χ^2/NDF: 16.5/22

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286906.7/5

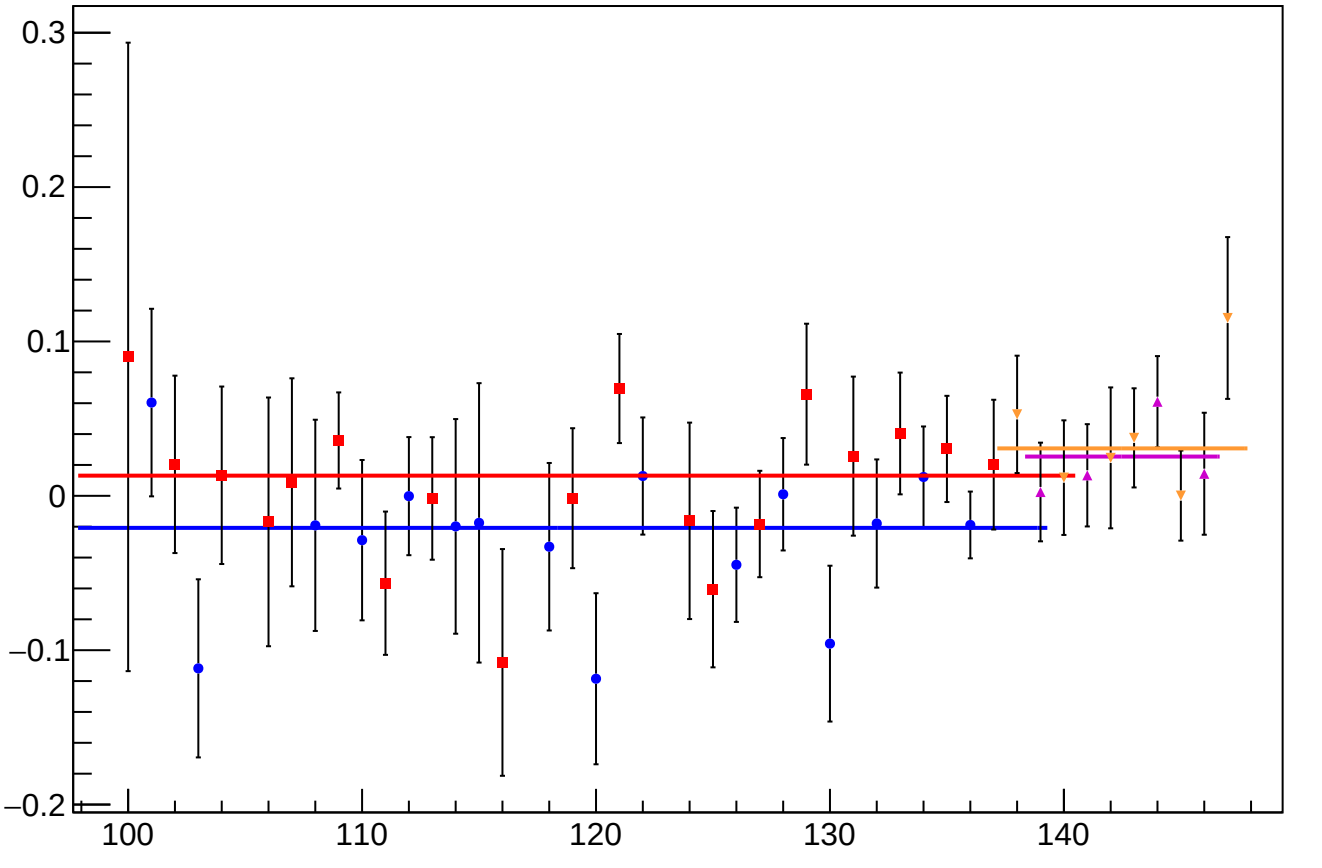
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

+ sign 28.334+/-0.006 χ^2/NDF: 1523373.1/21

All: 28.459+/-0.004 χ^2/NDF: 2389607.0/44

- sign 28.592+/-0.006 χ^2/NDF: 865363.0/22



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

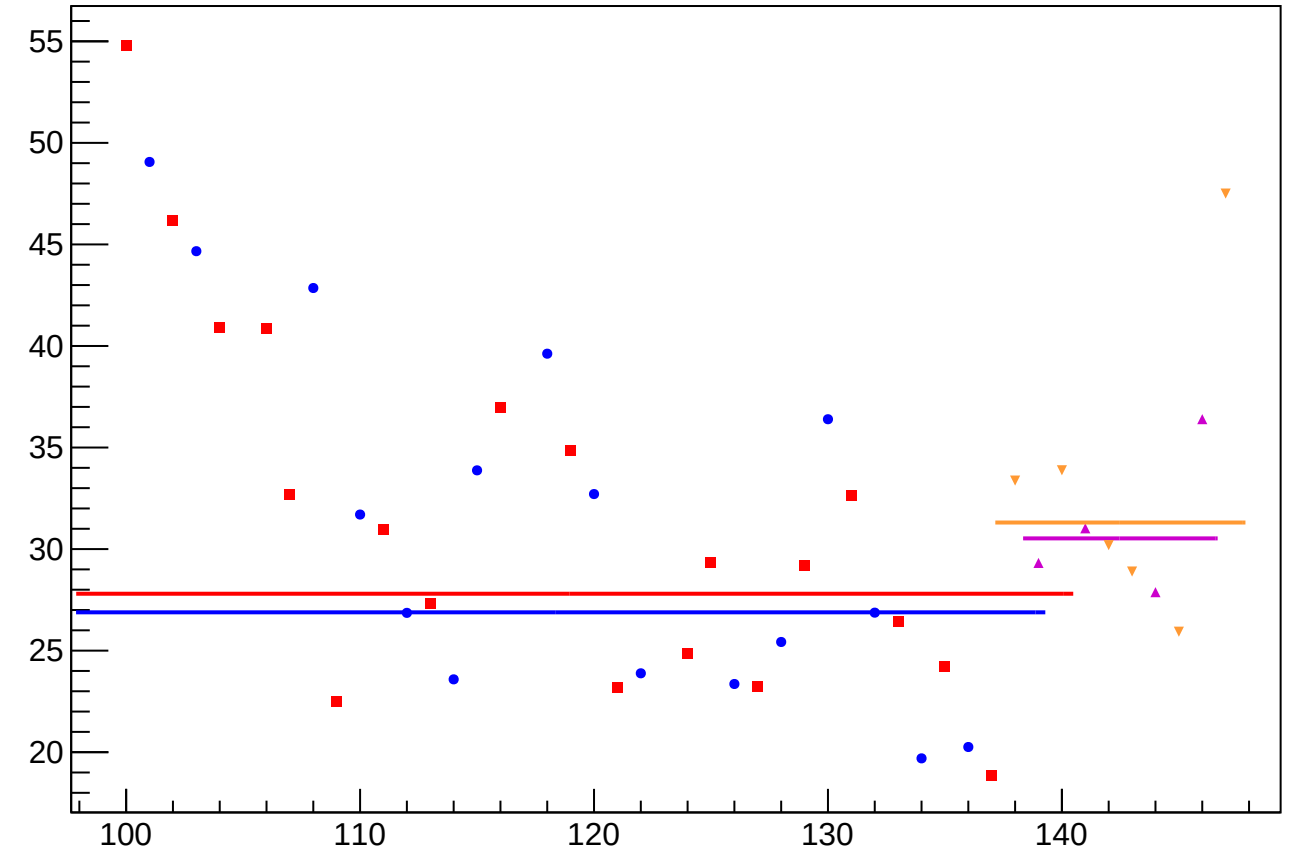
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.006+/-0.006 χ^2/NDF: 44.0/44

- sign 0.017+/-0.009 χ^2/NDF: 16.5/22



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286906.7/5

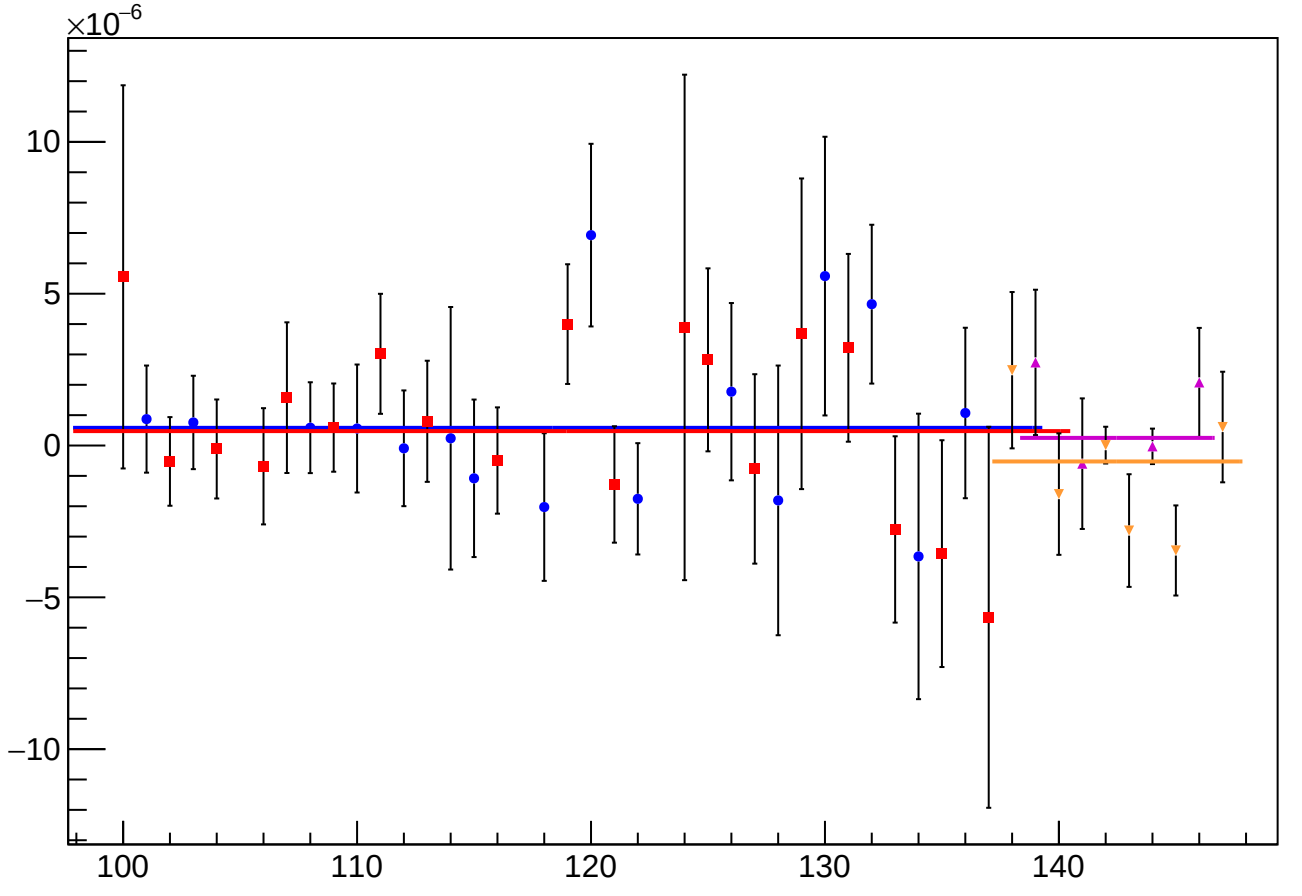
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

+ sign 28.334+/-0.006 χ^2/NDF: 1523373.1/21

All: 28.459+/-0.004 χ^2/NDF: 2389607.0/44

- sign 28.592+/-0.006 χ^2/NDF: 865363.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

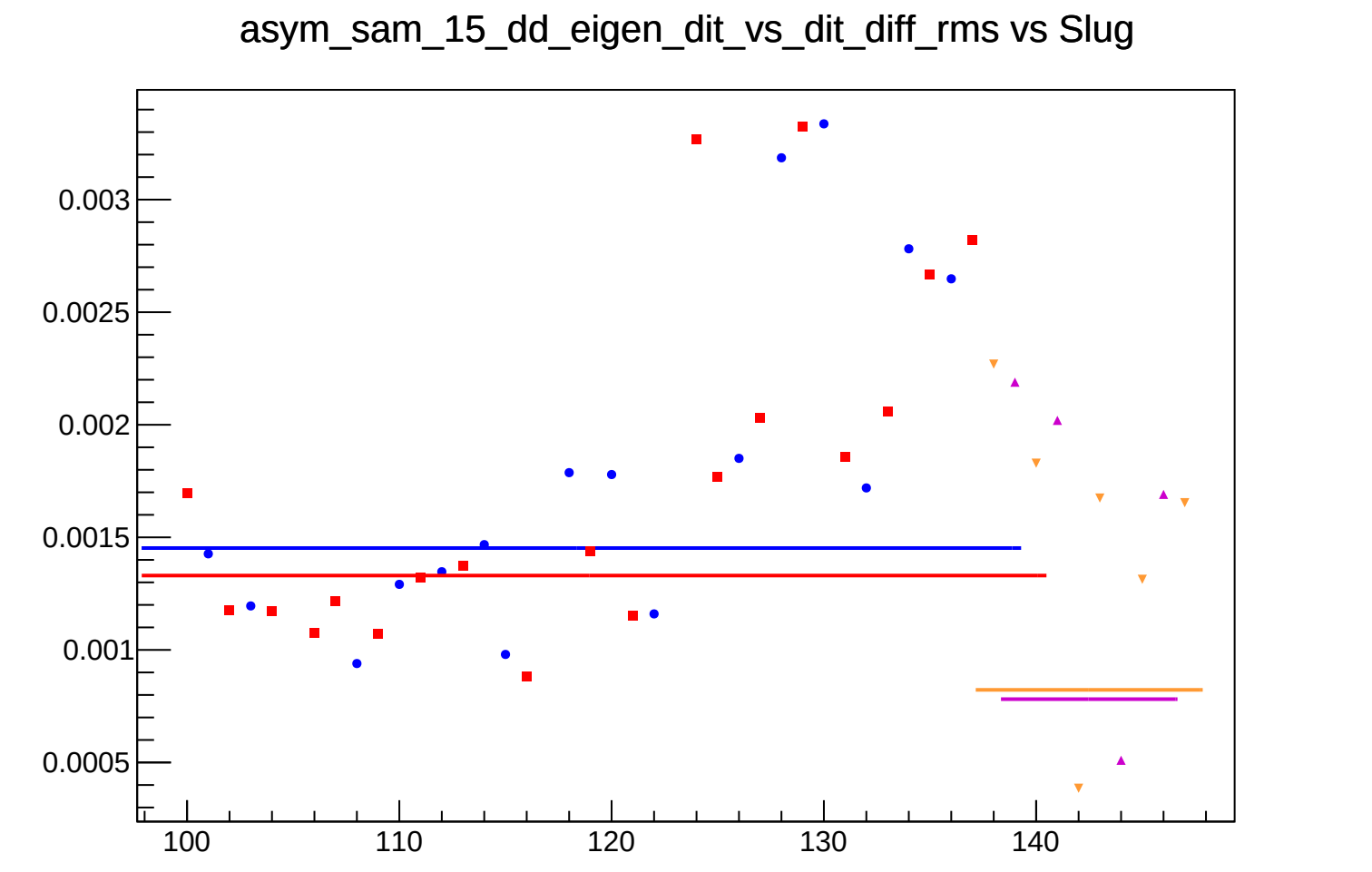
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/21

All: 0.000+/-0.000 χ^2/NDF: 39.5/44

- sign 0.000+/-0.000 χ^2/NDF: 15.8/22



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3237330.3/5

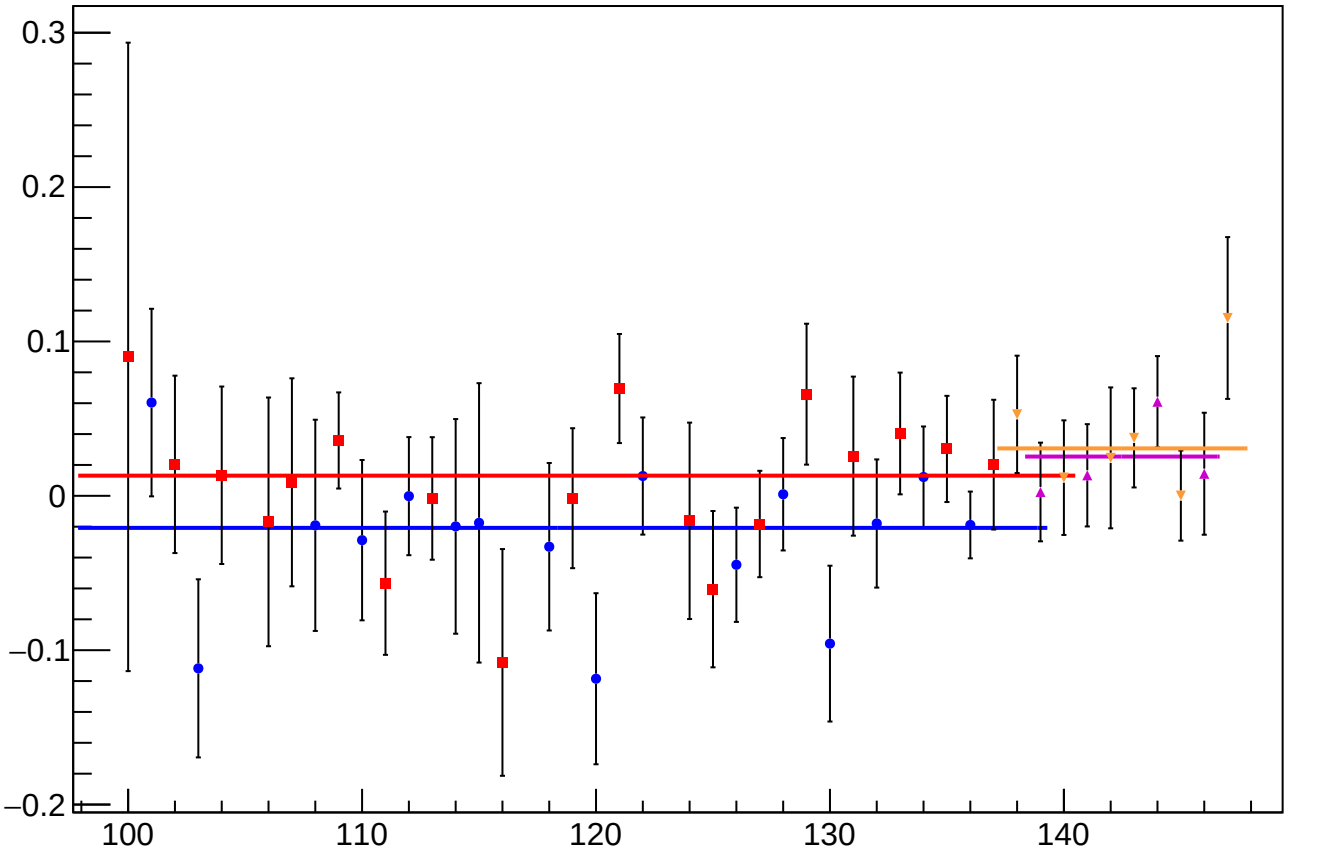
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2299802.2/3

+ sign 0.001+/-0.000 χ^2/NDF: 6333750.6/21

All: 0.001+/-0.000 χ^2/NDF: 11148893.3/44

- sign 0.001+/-0.000 χ^2/NDF: 4809751.2/22



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

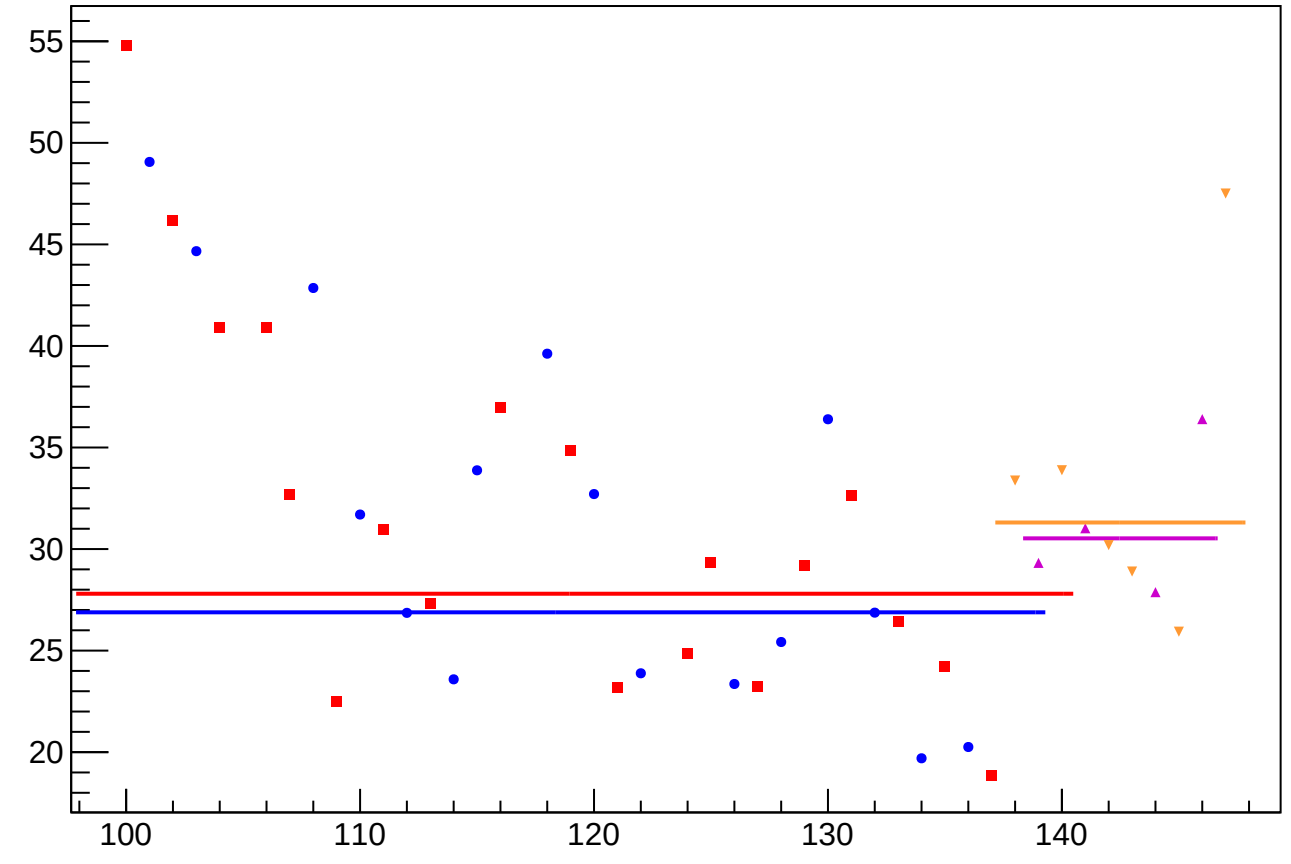
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.006+/-0.006 χ^2/NDF: 44.0/44

- sign 0.017+/-0.009 χ^2/NDF: 16.5/22



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286951.5/5

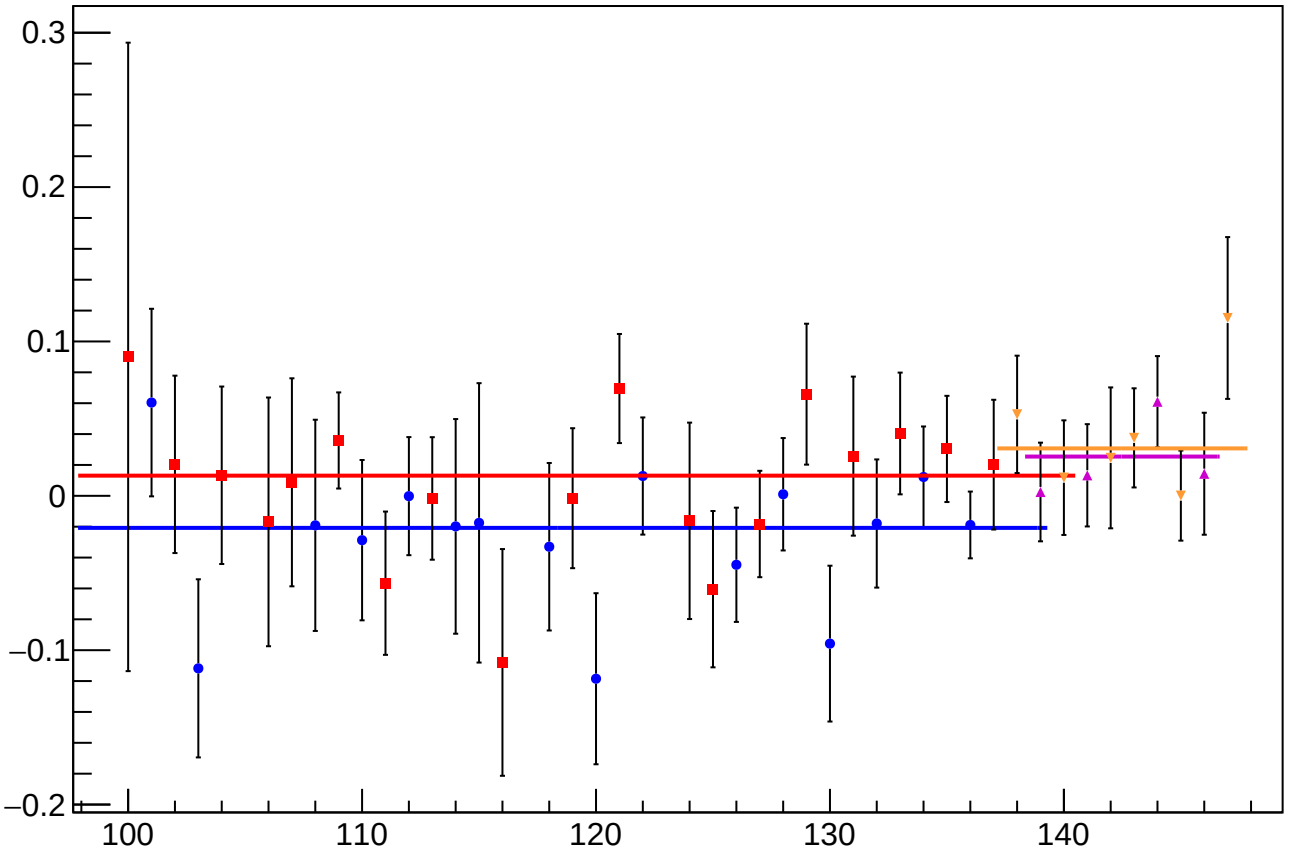
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

+ sign 28.333+/-0.006 χ^2/NDF: 1523479.3/21

All: 28.458+/-0.004 χ^2/NDF: 2389887.1/44

- sign 28.591+/-0.006 χ^2/NDF: 865538.1/22



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

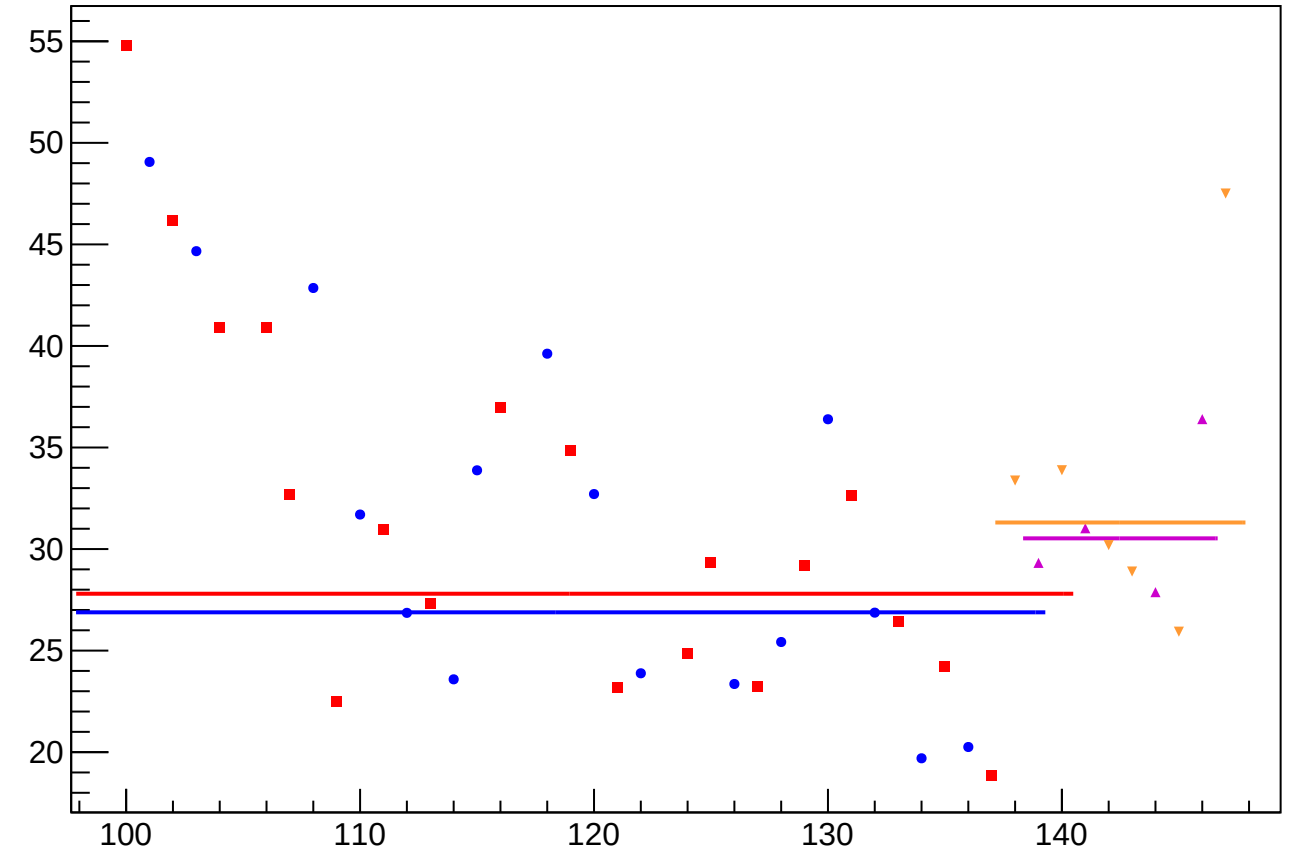
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

\+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.006+/-0.006 χ^2/NDF: 44.0/44

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/22



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286951.5/5

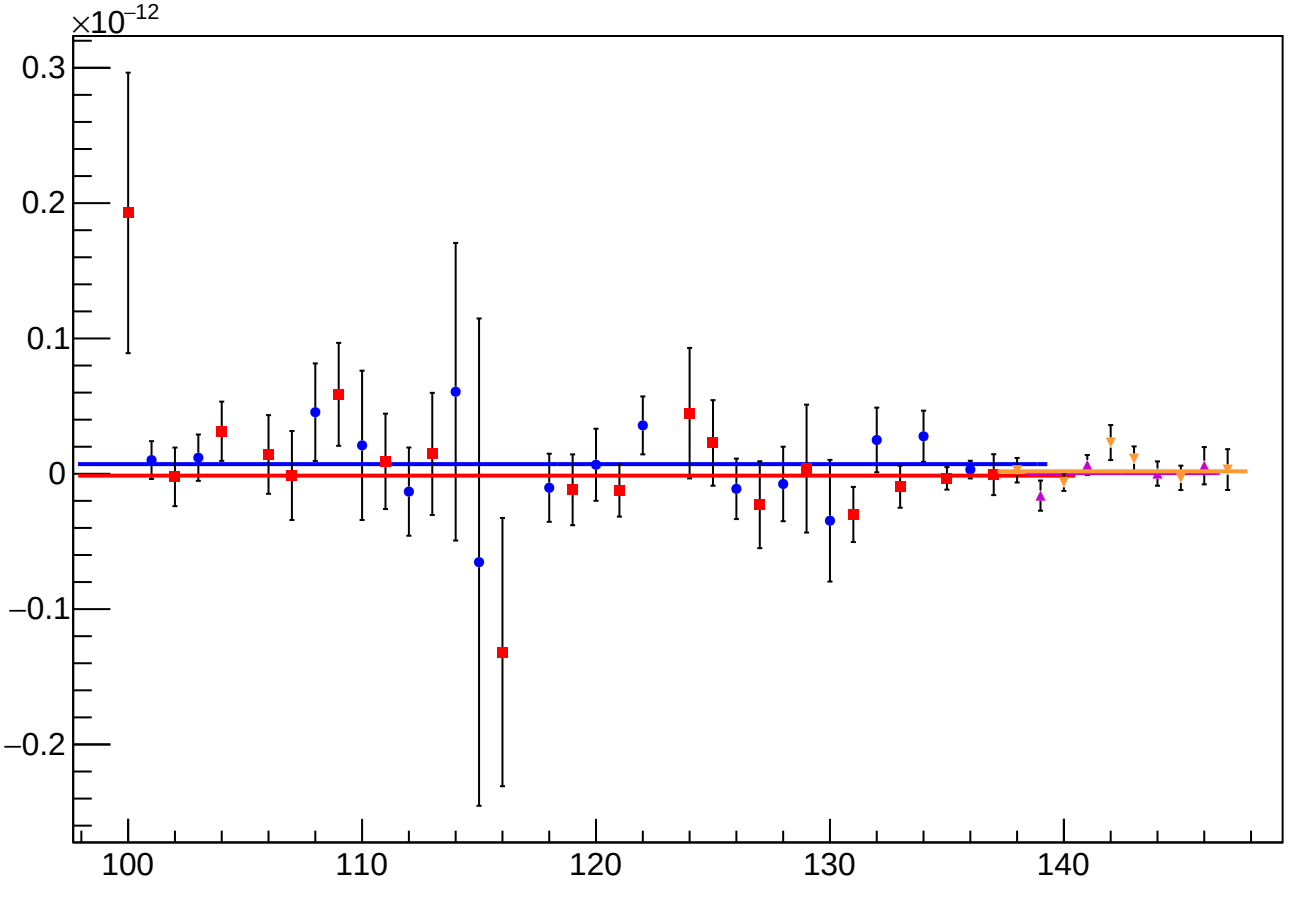
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

+ sign 28.333+/-0.006 χ^2/NDF: 1523479.3/21

All: 28.458+/-0.004 χ^2/NDF: 2389887.1/44

- sign 28.591+/-0.006 χ^2/NDF: 865538.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/5

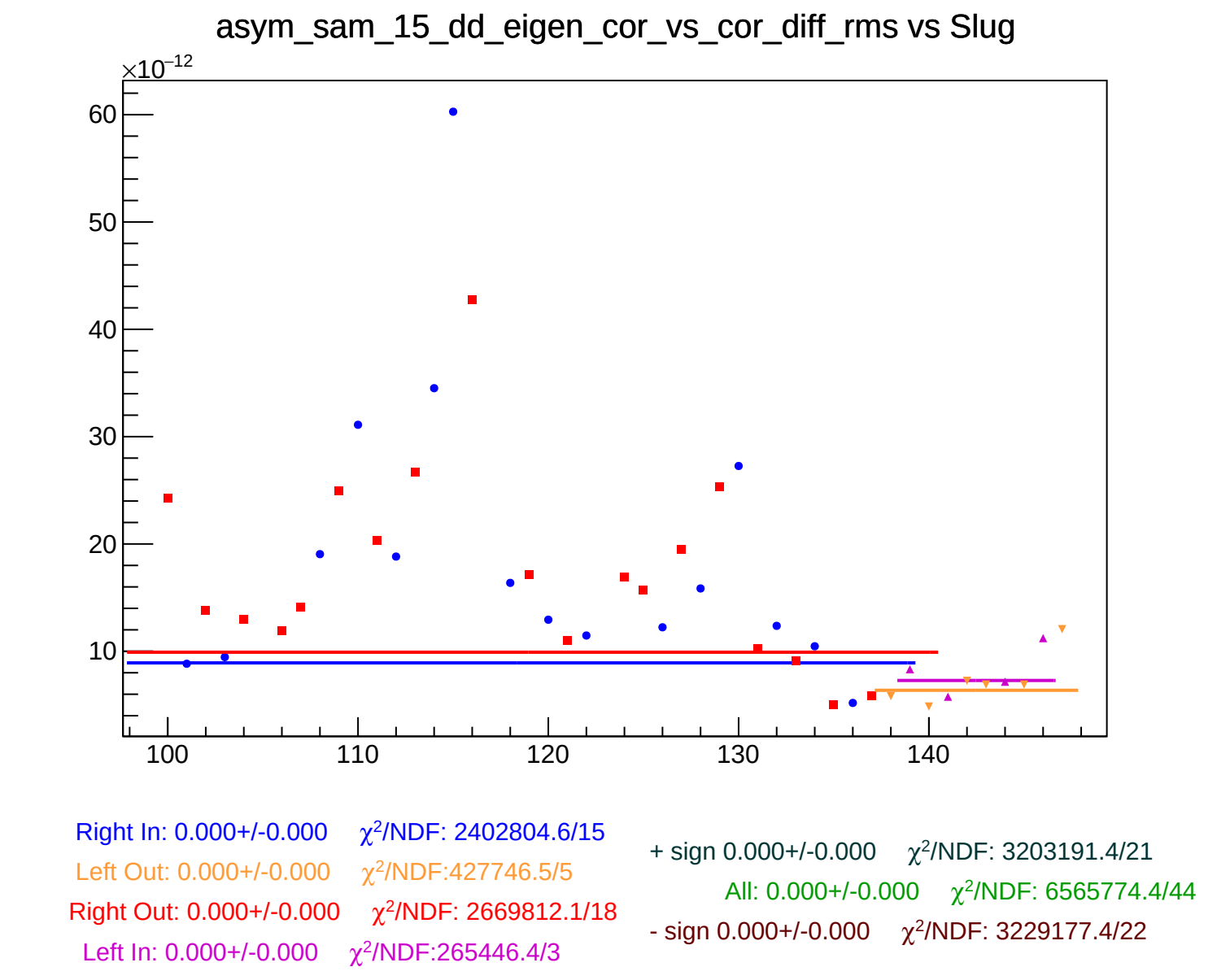
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/3

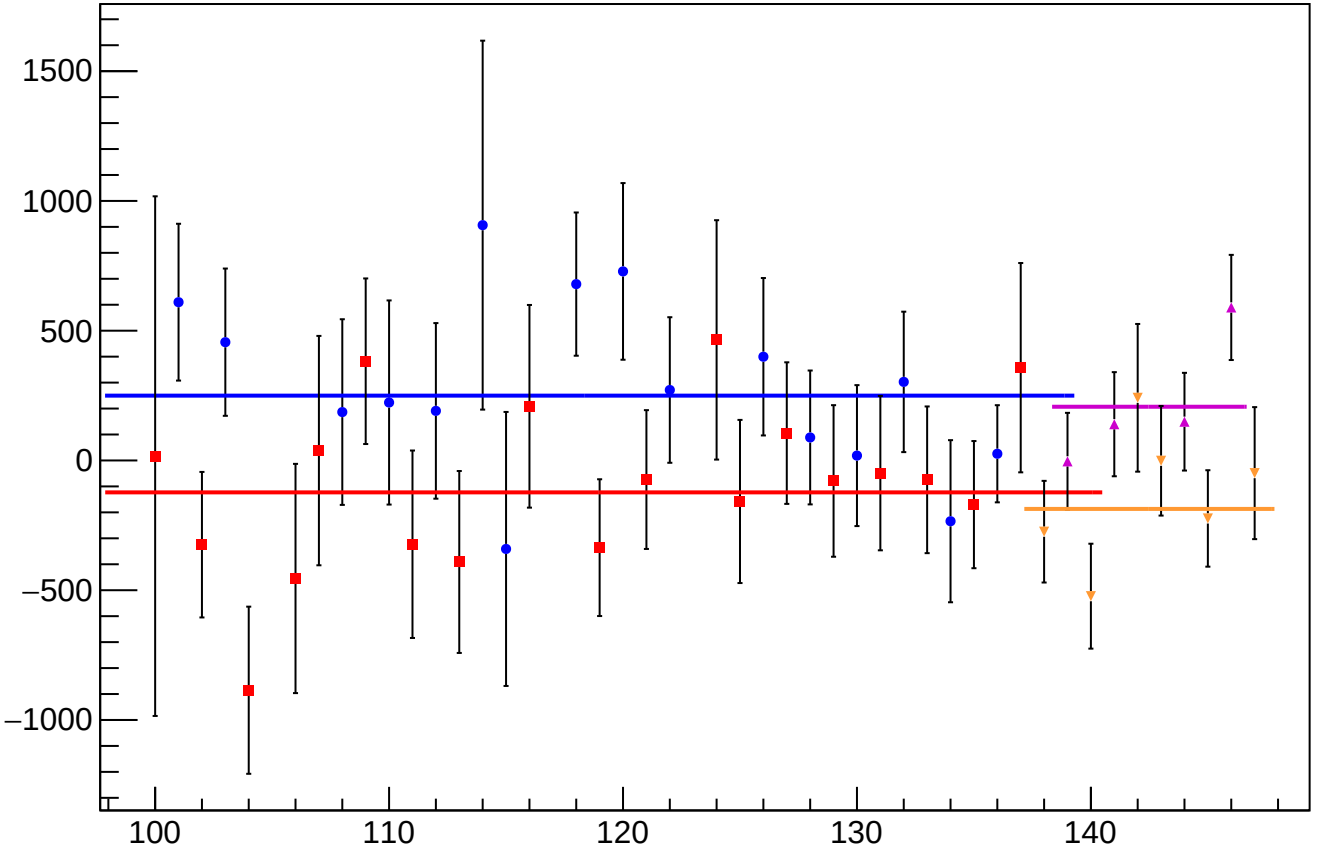
+ sign 0.000+/-0.000 χ^2/NDF: 14.8/21

All: 0.000+/-0.000 χ^2/NDF: 34.1/44

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:427746.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:265446.4/3
+ sign 0.000+/-0.000 χ²/NDF: 3203191.4/21
All: 0.000+/-0.000 χ²/NDF: 6565774.4/44
- sign 0.000+/-0.000 χ²/NDF: 3229177.4/22

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.743+/-87.794 χ^2/NDF:6.3/5

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

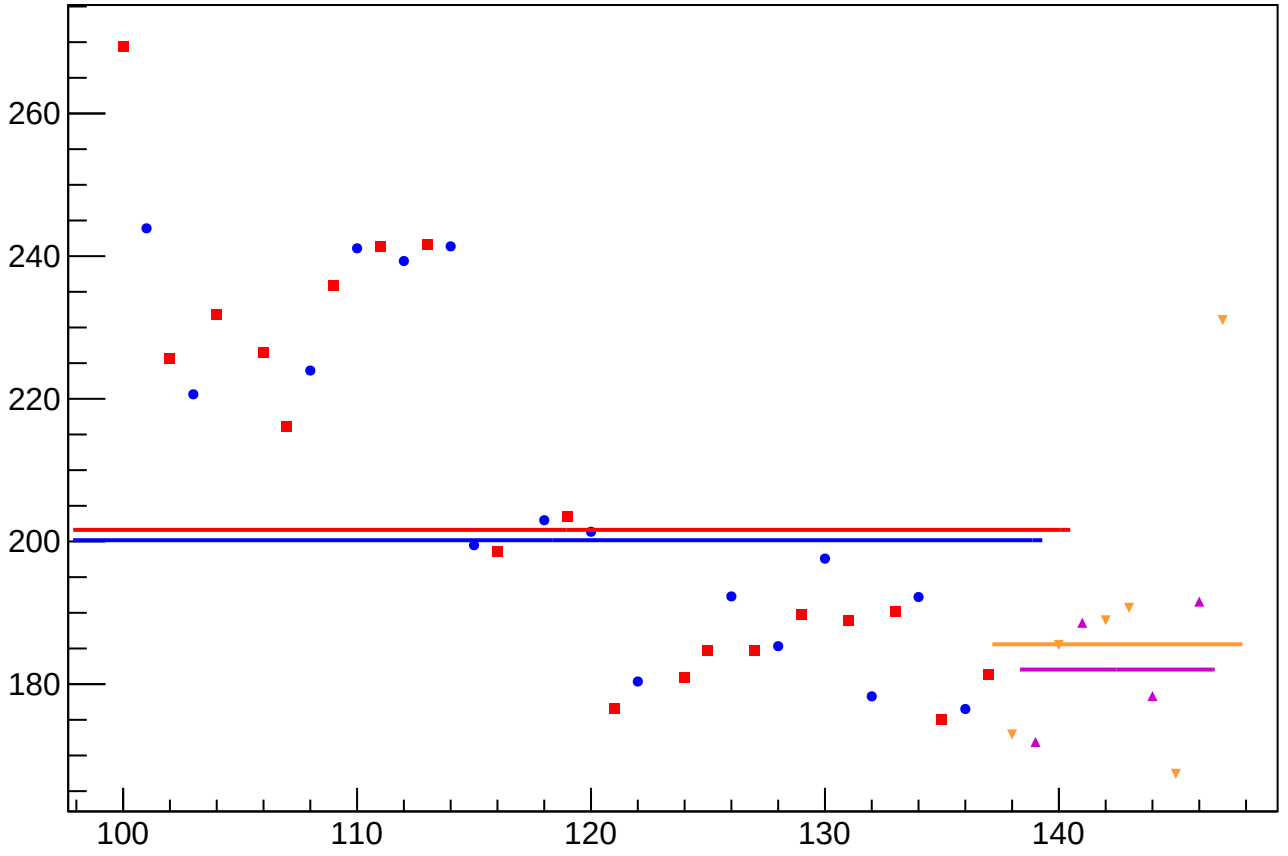
Left In: 206.970+/-97.094 χ^2/NDF:5.0/3

+ sign 65.952+/-56.971 χ^2/NDF: 34.4/21

All: 33.676+/-40.997 χ^2/NDF: 62.9/44

- sign -0.987+/-59.041 χ^2/NDF: 27.9/22

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

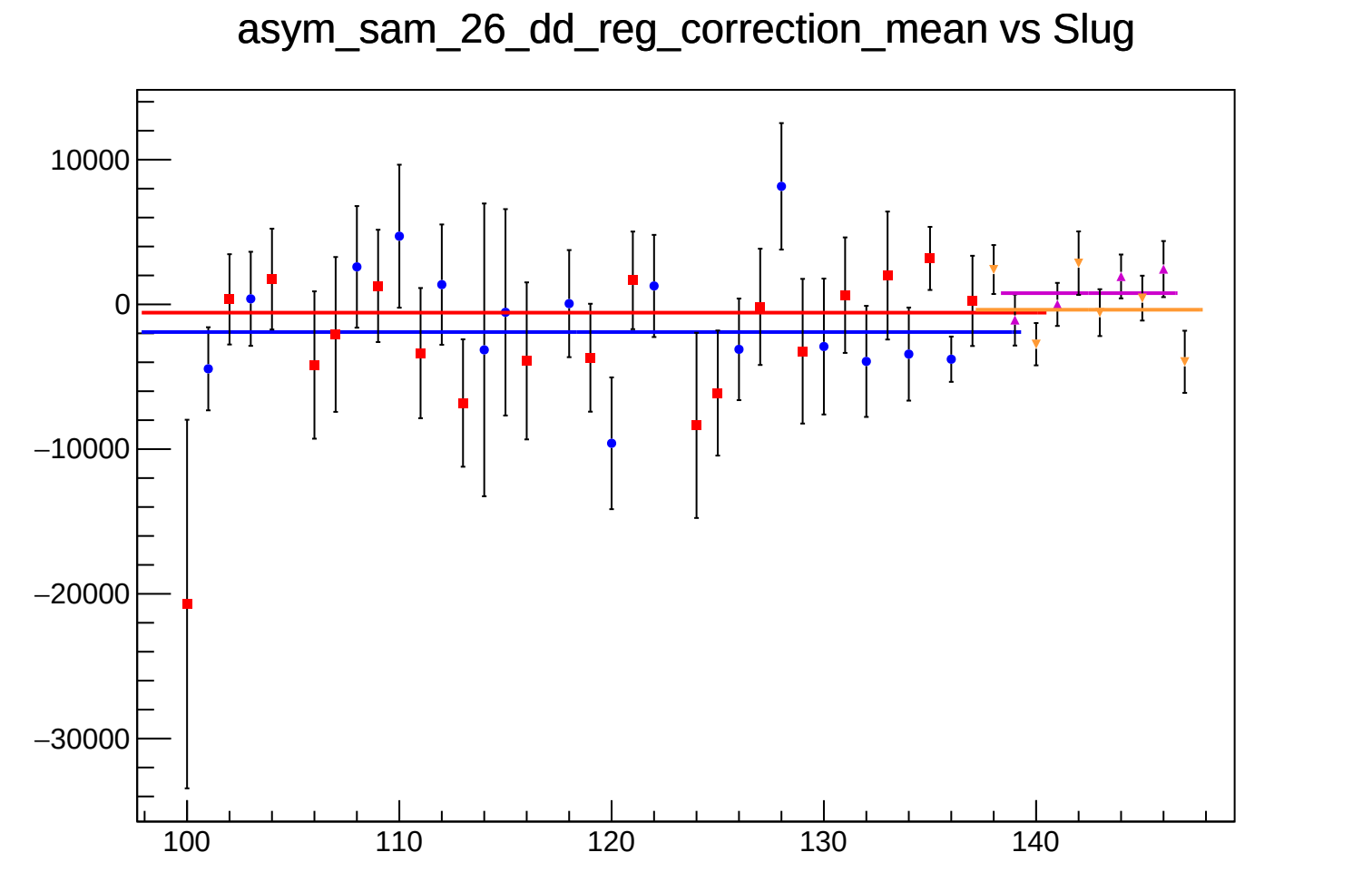
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 194.035+/-0.040 χ^2/NDF: 305703.9/21

All: 194.204+/-0.029 χ^2/NDF: 567498.1/44

- sign 194.386+/-0.042 χ^2/NDF: 261757.6/22



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -369.682+/-699.920 χ^2/NDF:10.6/5

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

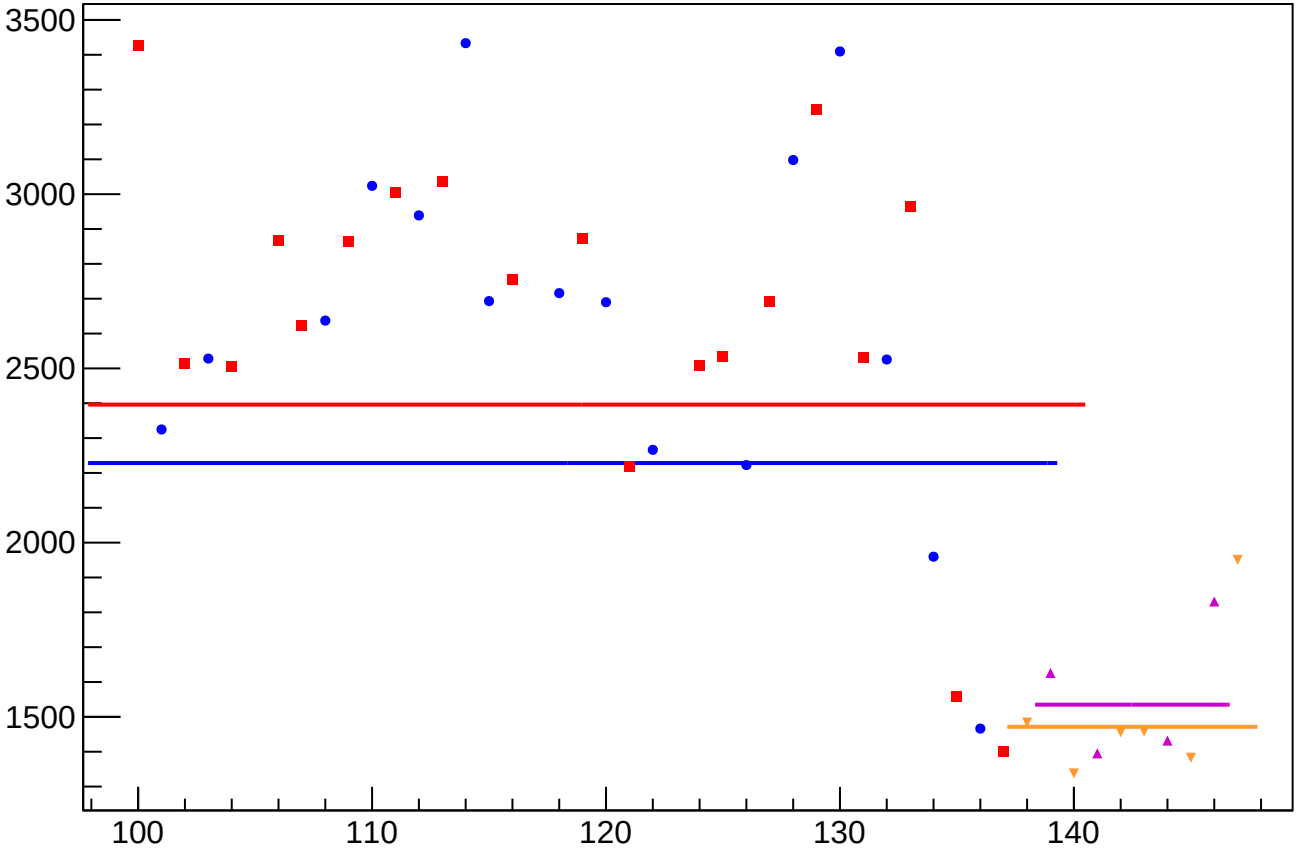
Left In: 776.676+/-823.631 χ^2/NDF:2.7/3

\+ sign -984.343+/-542.627 χ^2/NDF: 28.8/21

All: -475.500+/-404.766 χ^2/NDF: 49.3/44

\- sign 162.793+/-607.742 χ^2/NDF: 18.5/22

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123331.9/5

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

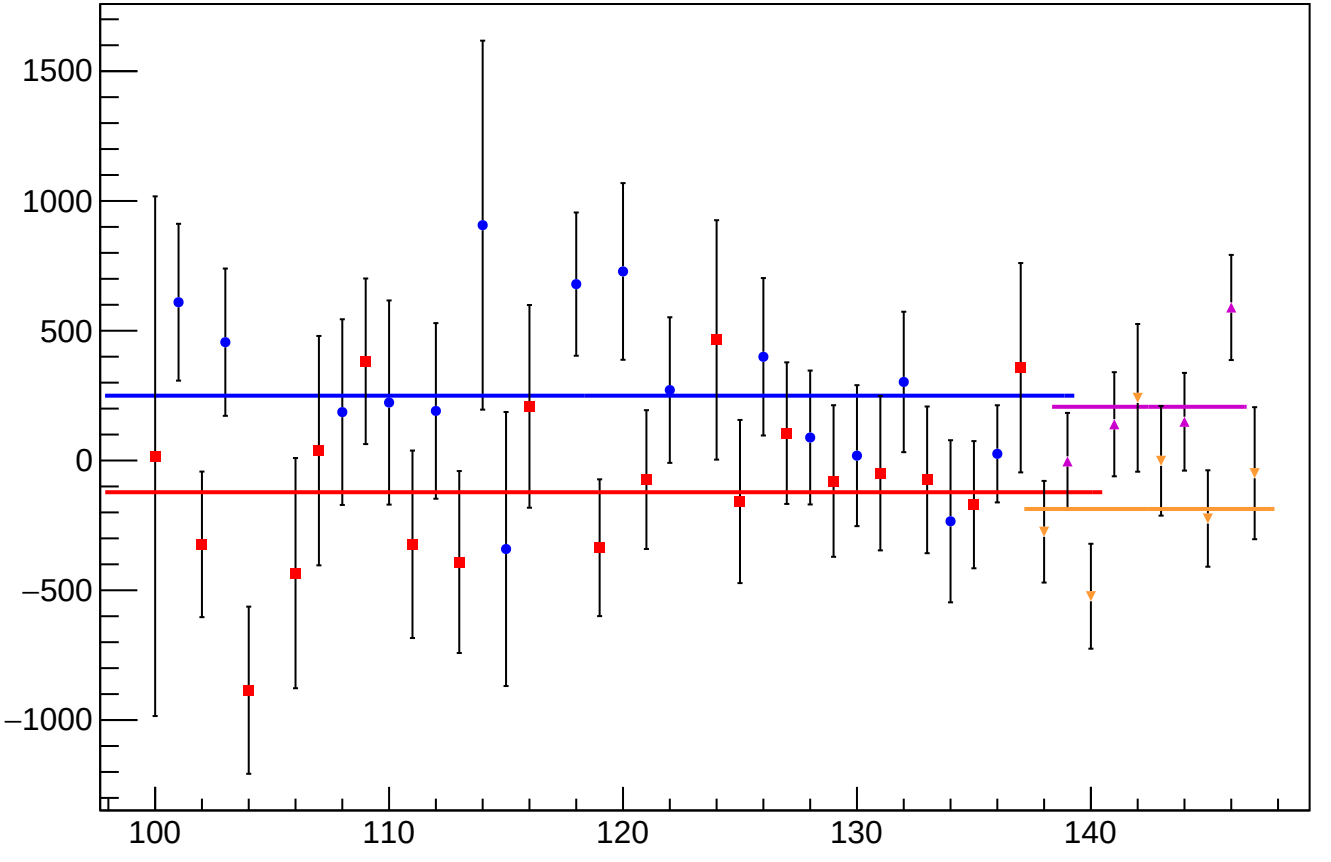
Left In: 1535.008+/-0.582 χ^2/NDF:78932.7/3

+ sign 1773.455+/-0.384 χ^2/NDF: 2004299.8/21

All: 1841.676+/-0.286 χ^2/NDF: 3949719.2/44

- sign 1927.253+/-0.430 χ^2/NDF: 1874151.4/22

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

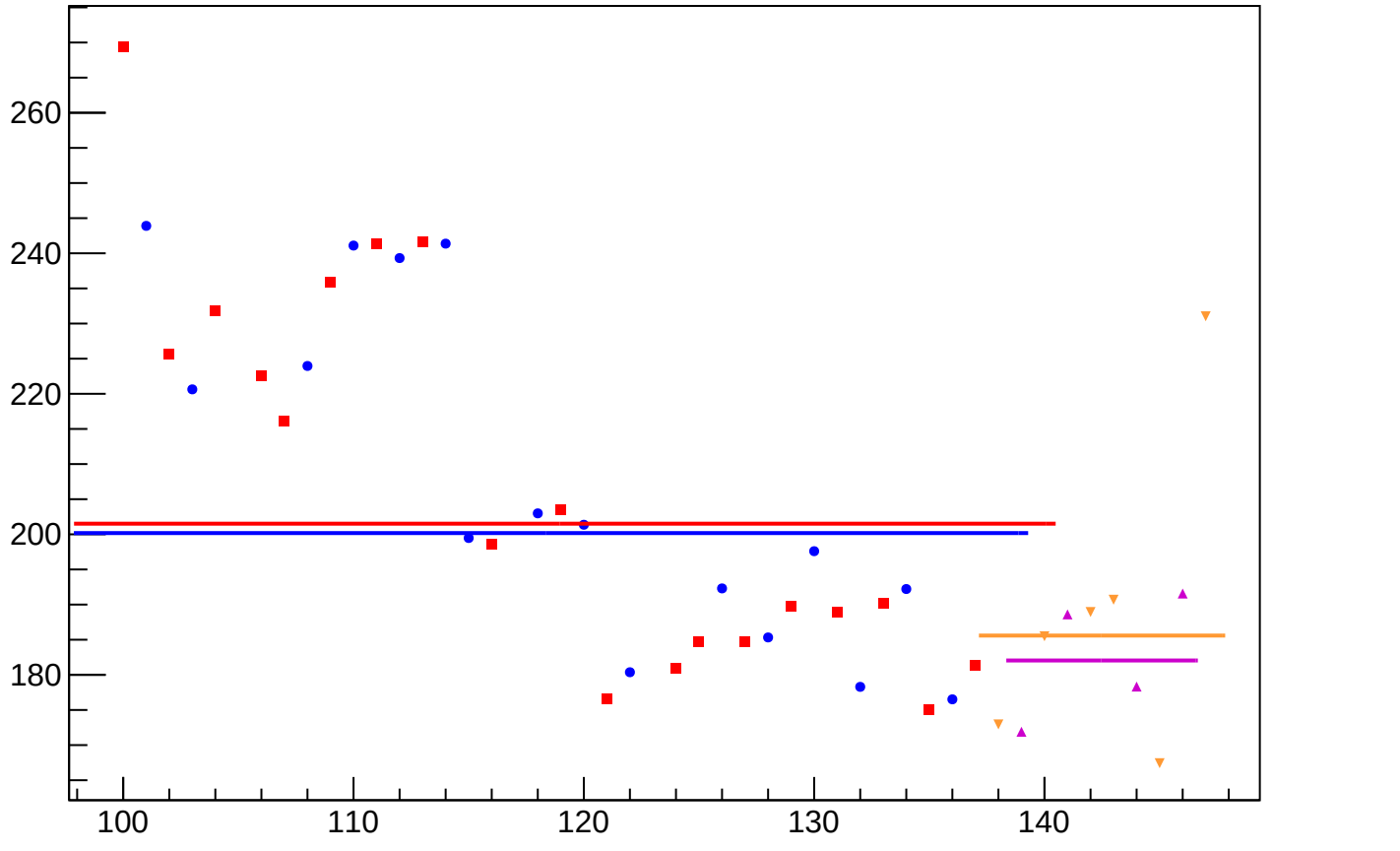
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 206.969+/-97.094 χ^2/NDF:5.0/3

+ sign 65.949+/-56.971 χ^2/NDF: 34.4/21

All: 33.926+/-40.998 χ^2/NDF: 62.8/44

- sign -0.473+/-59.046 χ^2/NDF: 27.8/22



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

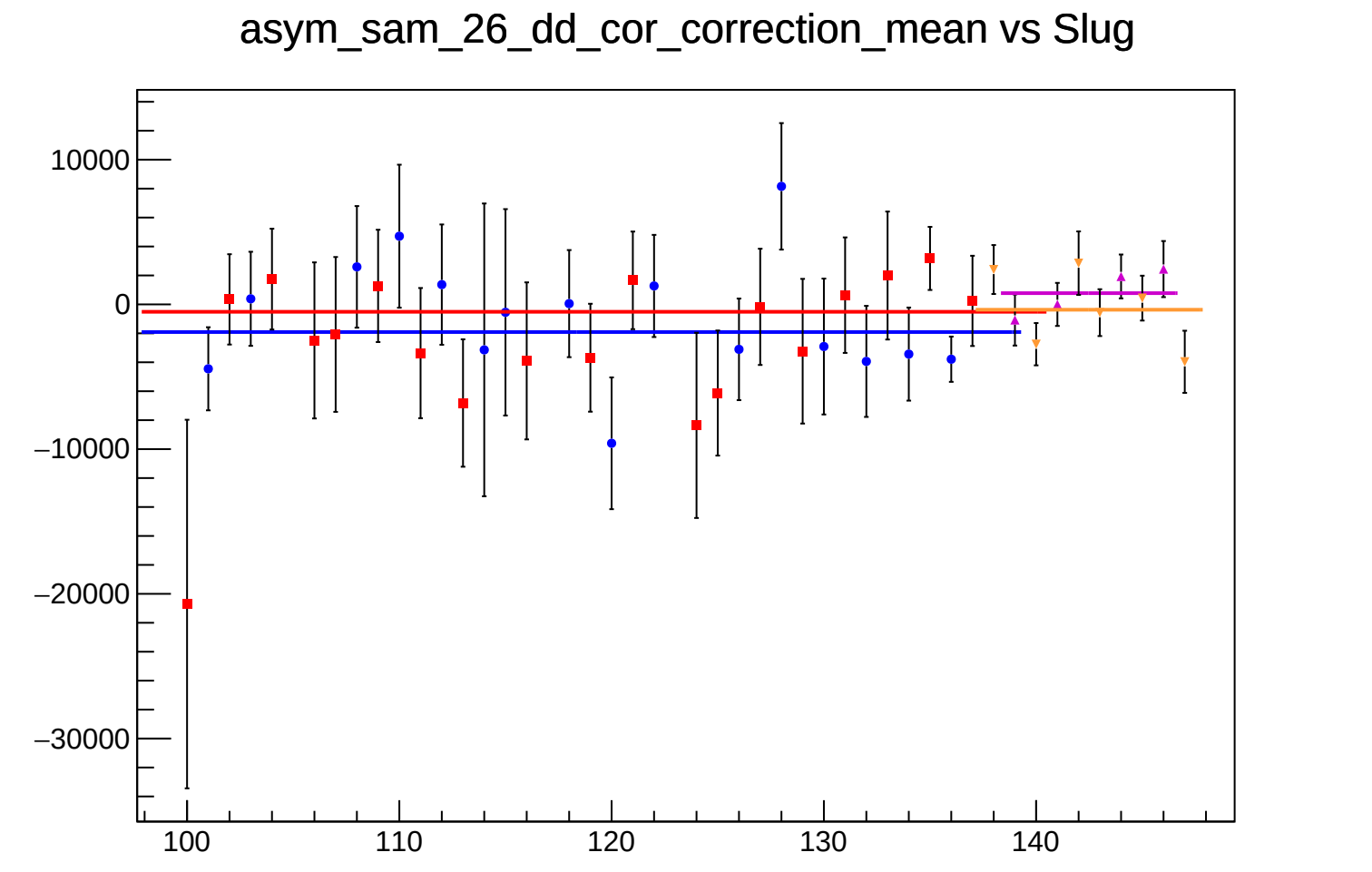
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 194.035+/-0.040 χ^2/NDF: 305704.2/21

All: 194.169+/-0.029 χ^2/NDF: 565076.4/44

- sign 194.314+/-0.042 χ^2/NDF: 259349.0/22



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -369.692+/-699.920 χ^2/NDF:10.6/5

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

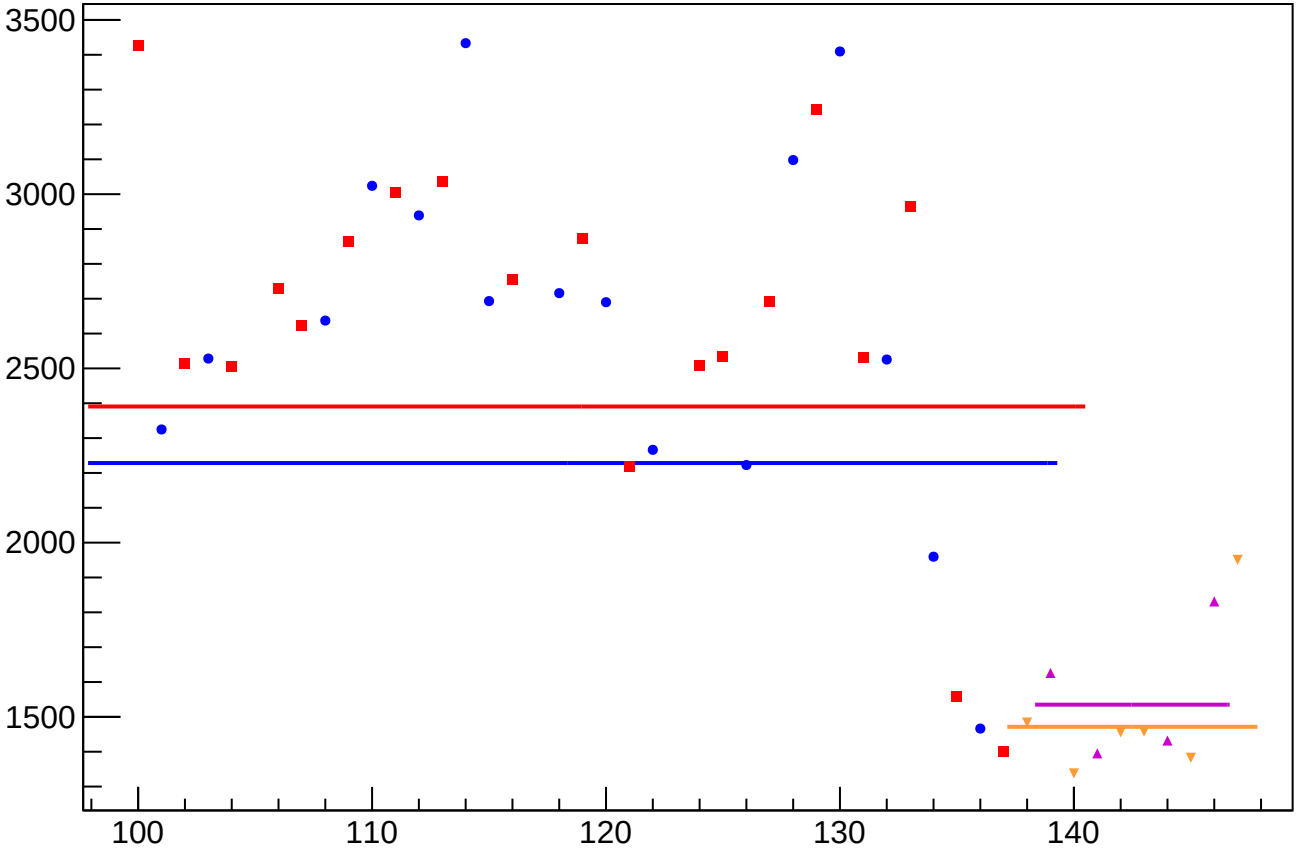
Left In: 776.653+/-823.631 χ^2/NDF:2.7/3

+ sign -984.332+/-542.627 χ^2/NDF: 28.8/21

All: -463.409+/-404.908 χ^2/NDF: 48.9/44

- sign 191.069+/-608.222 χ^2/NDF: 18.0/22

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

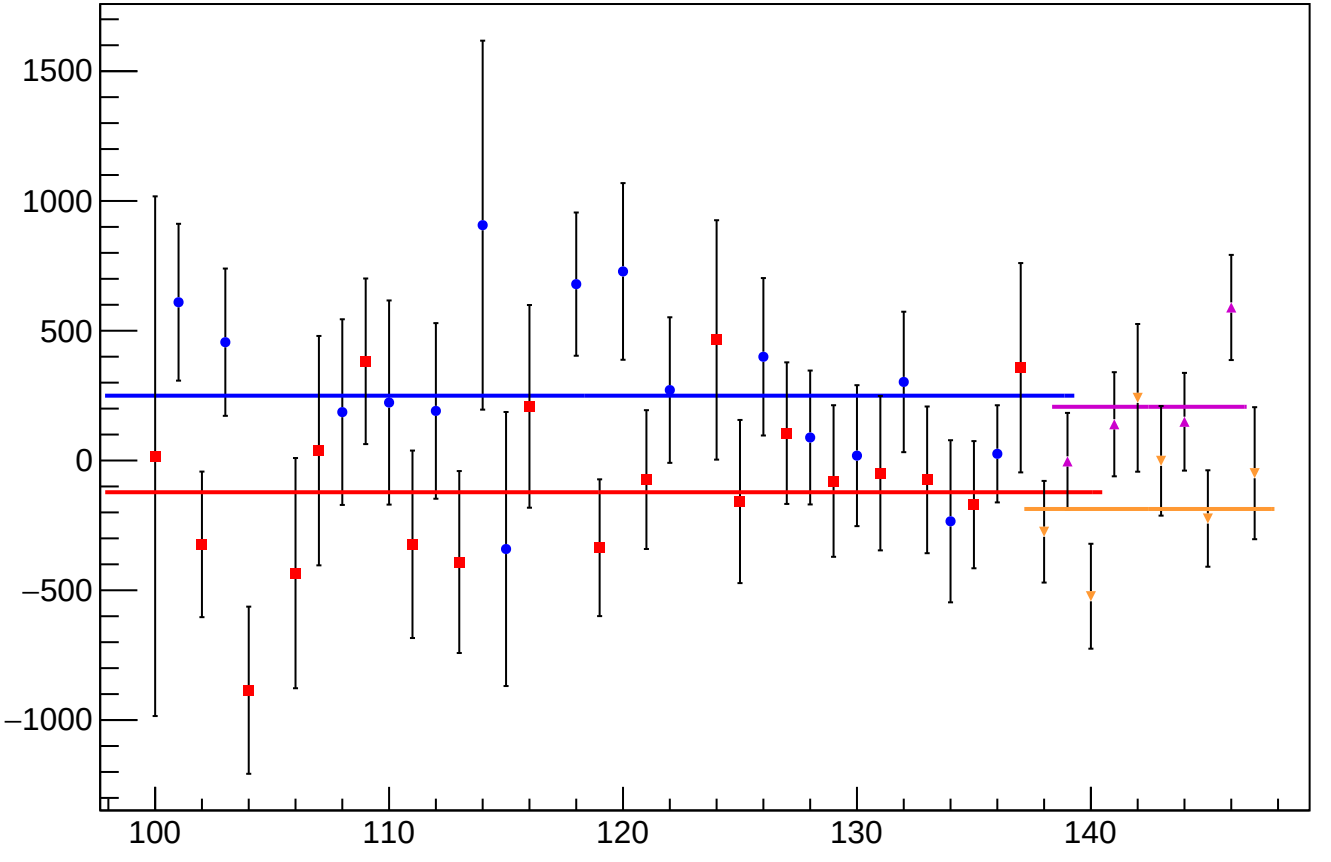
Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

+ sign 1773.456+/-0.384 χ^2/NDF: 2004312.2/21

All: 1840.211+/-0.286 χ^2/NDF: 3923133.6/44

- sign 1924.080+/-0.430 χ^2/NDF: 1850523.9/22

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

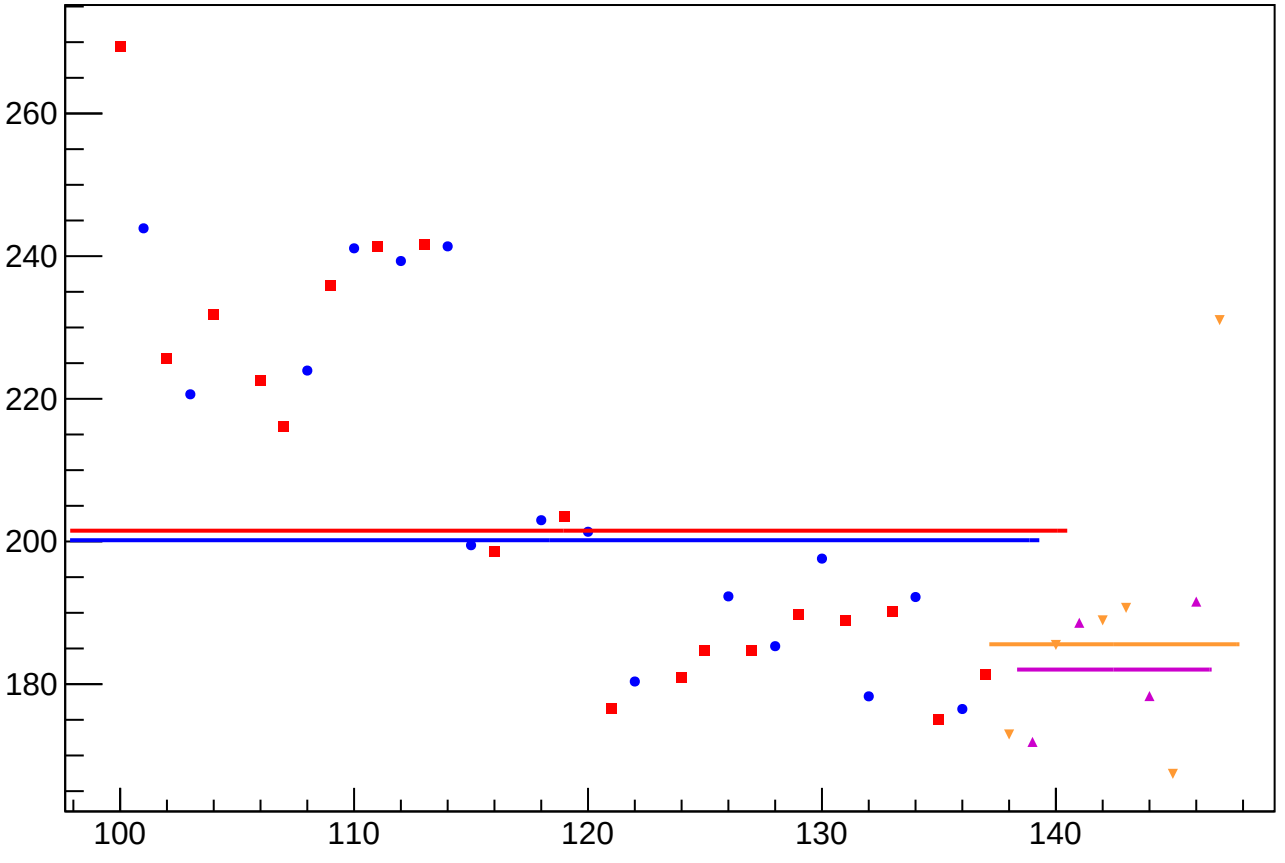
Left In: 206.969+/-97.094 χ^2/NDF:5.0/3

+ sign 65.949+/-56.971 χ^2/NDF: 34.4/21

All: 33.926+/-40.998 χ^2/NDF: 62.8/44

- sign -0.473+/-59.046 χ^2/NDF: 27.8/22

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

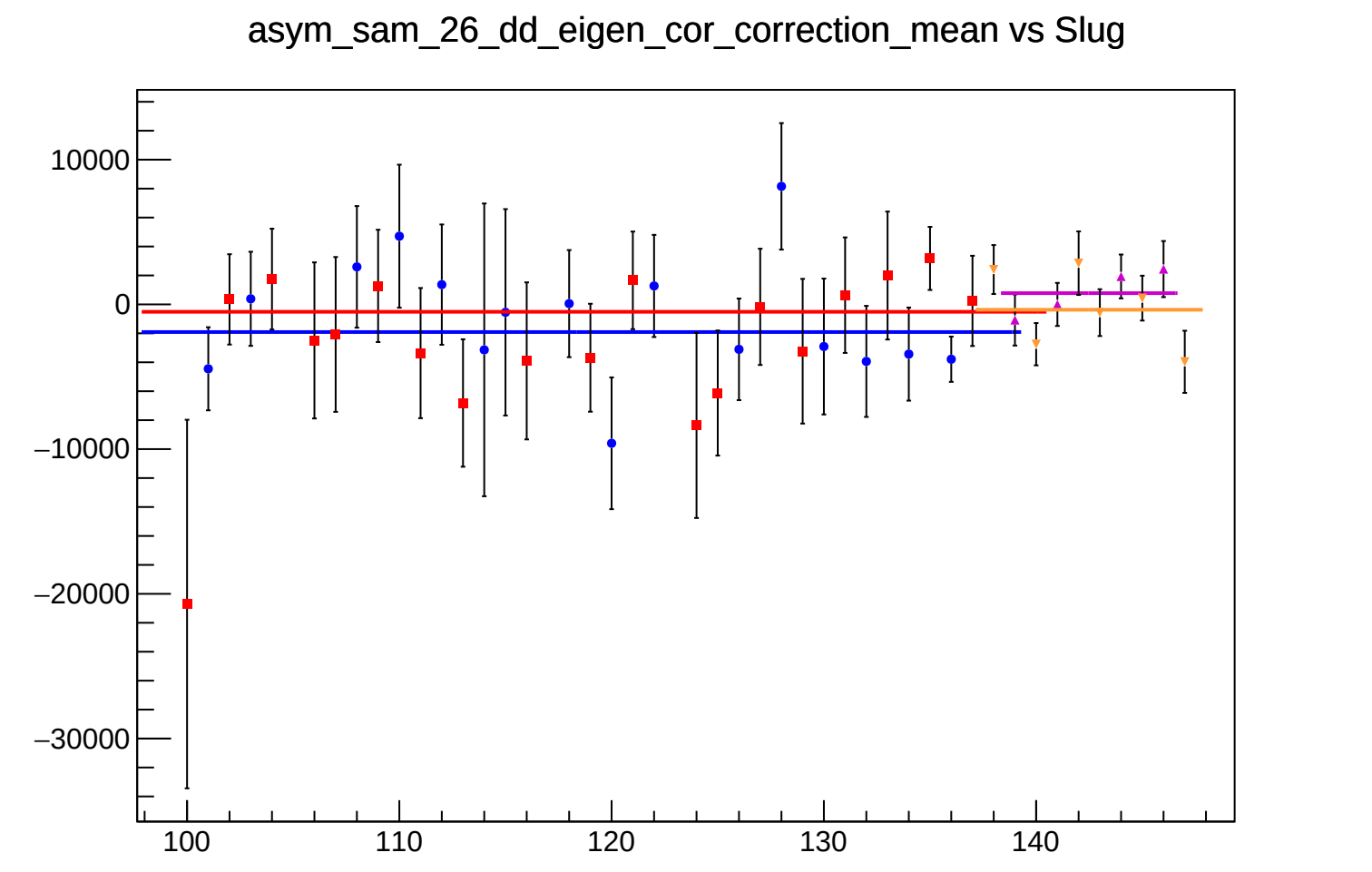
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 194.035+/-0.040 χ^2/NDF: 305704.2/21

All: 194.169+/-0.029 χ^2/NDF: 565076.4/44

- sign 194.314+/-0.042 χ^2/NDF: 259349.0/22



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -369.692+/-699.920 χ^2/NDF:10.6/5

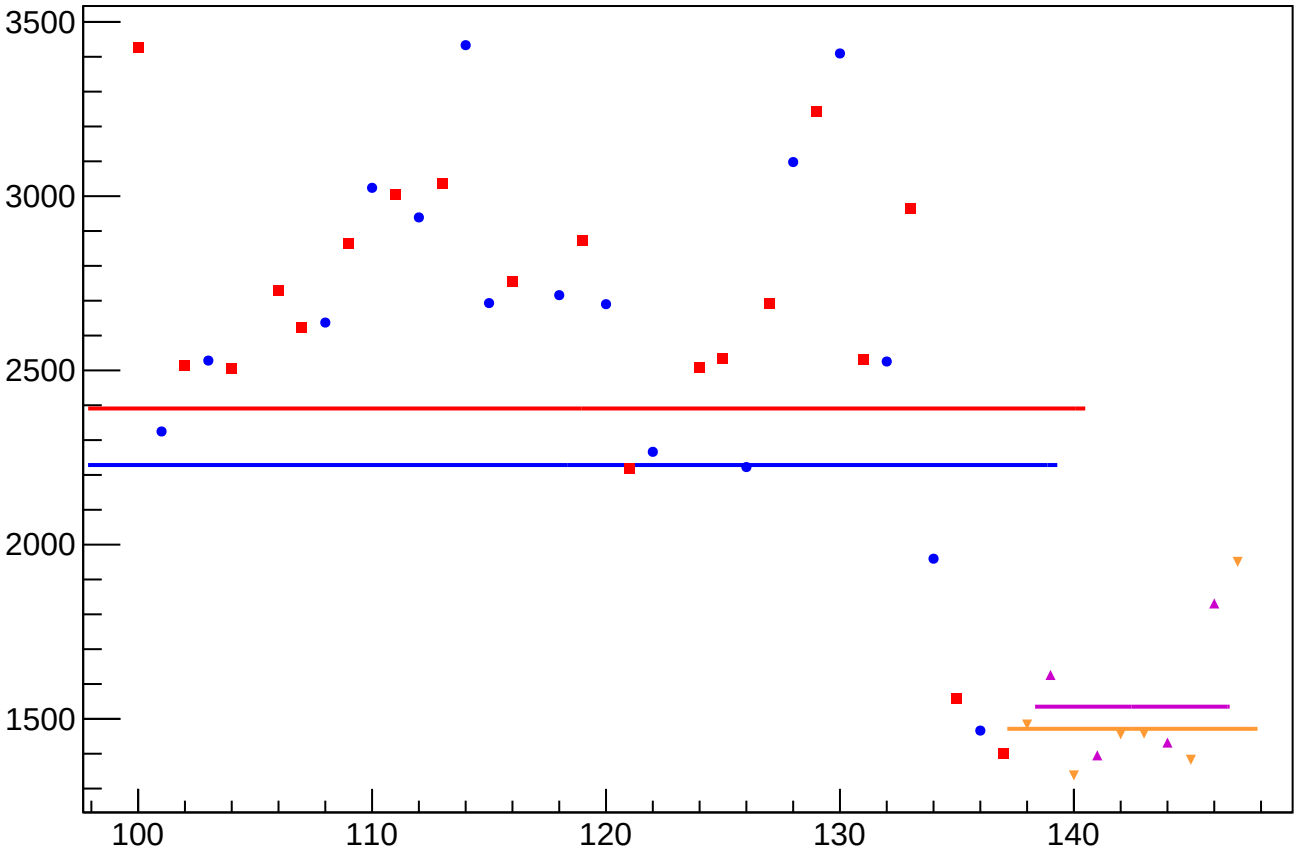
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 776.653+/-823.631 χ^2/NDF:2.7/3

+ sign -984.332+/-542.627 χ^2/NDF: 28.8/21

All: -463.409+/-404.908 χ^2/NDF: 48.9/44

- sign 191.069+/-608.222 χ^2/NDF: 18.0/22



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

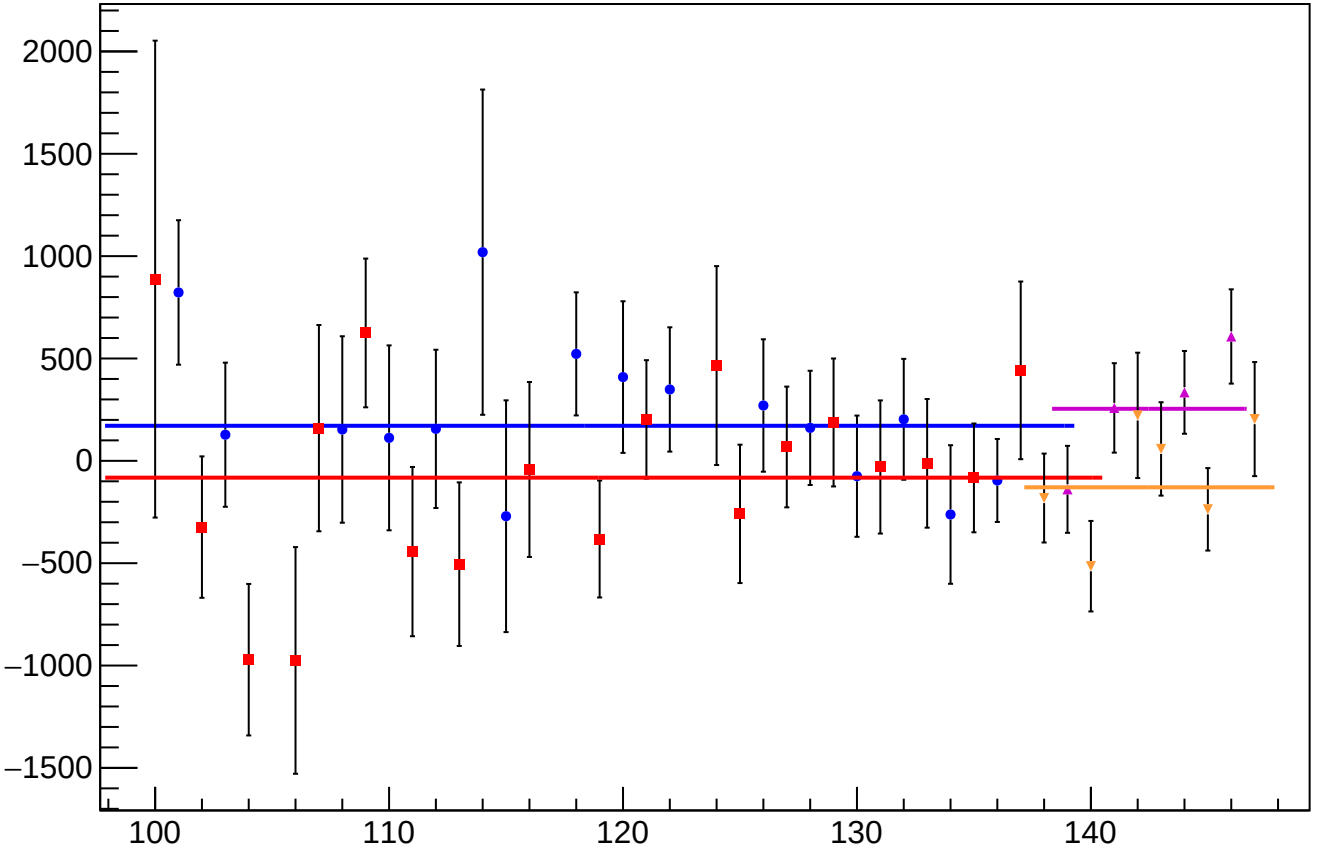
Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

+ sign 1773.456+/-0.384 χ^2/NDF: 2004312.2/21

All: 1840.211+/-0.286 χ^2/NDF: 3923133.6/44

- sign 1924.080+/-0.430 χ^2/NDF: 1850523.9/22

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -129.298+/-95.759 χ^2/NDF:6.8/5

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

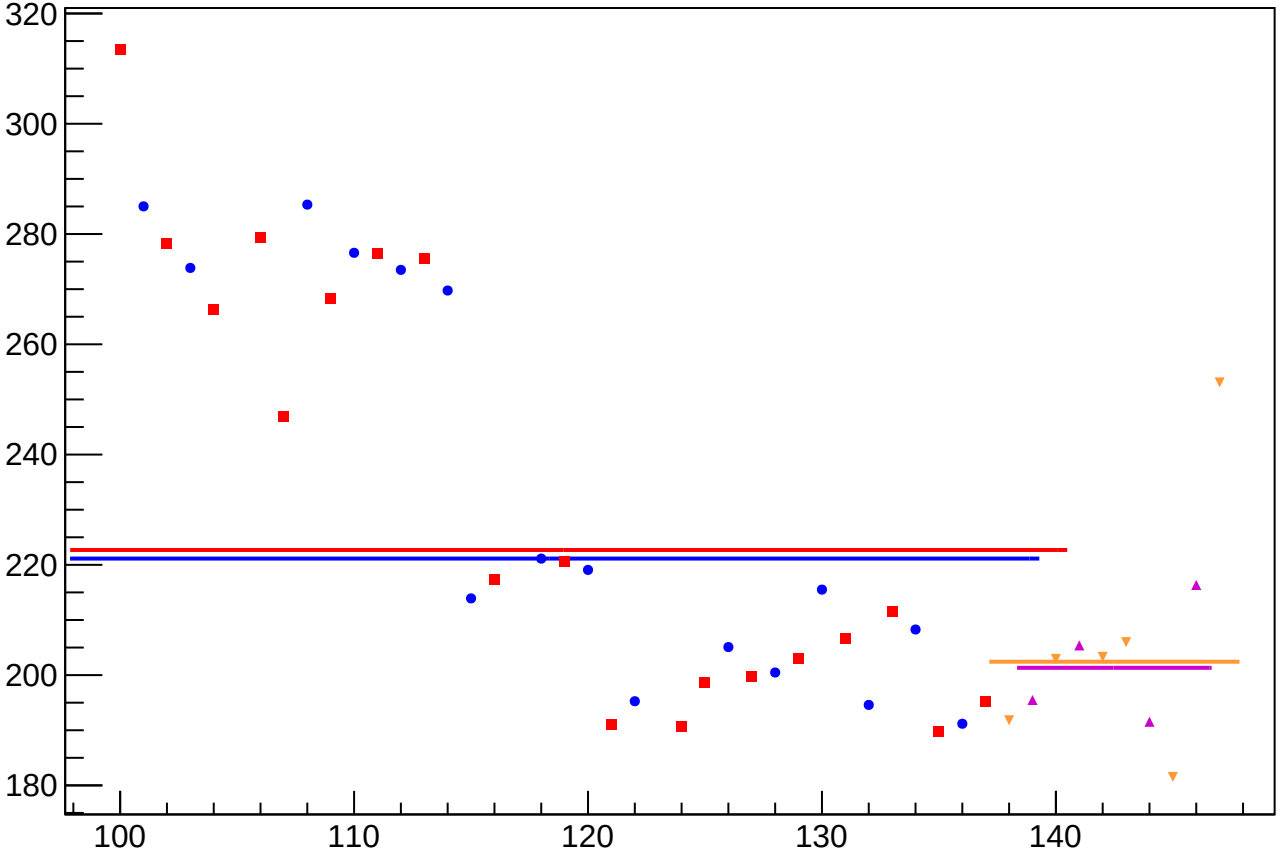
Left In: 254.234+/-107.573 χ^2/NDF:5.9/3

+ sign 42.119+/-62.769 χ^2/NDF: 23.9/21

All: 42.308+/-45.315 χ^2/NDF: 57.6/44

- sign 42.513+/-65.487 χ^2/NDF: 33.7/22

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 202.430+/-0.068 χ^2/NDF:92941.4/5

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

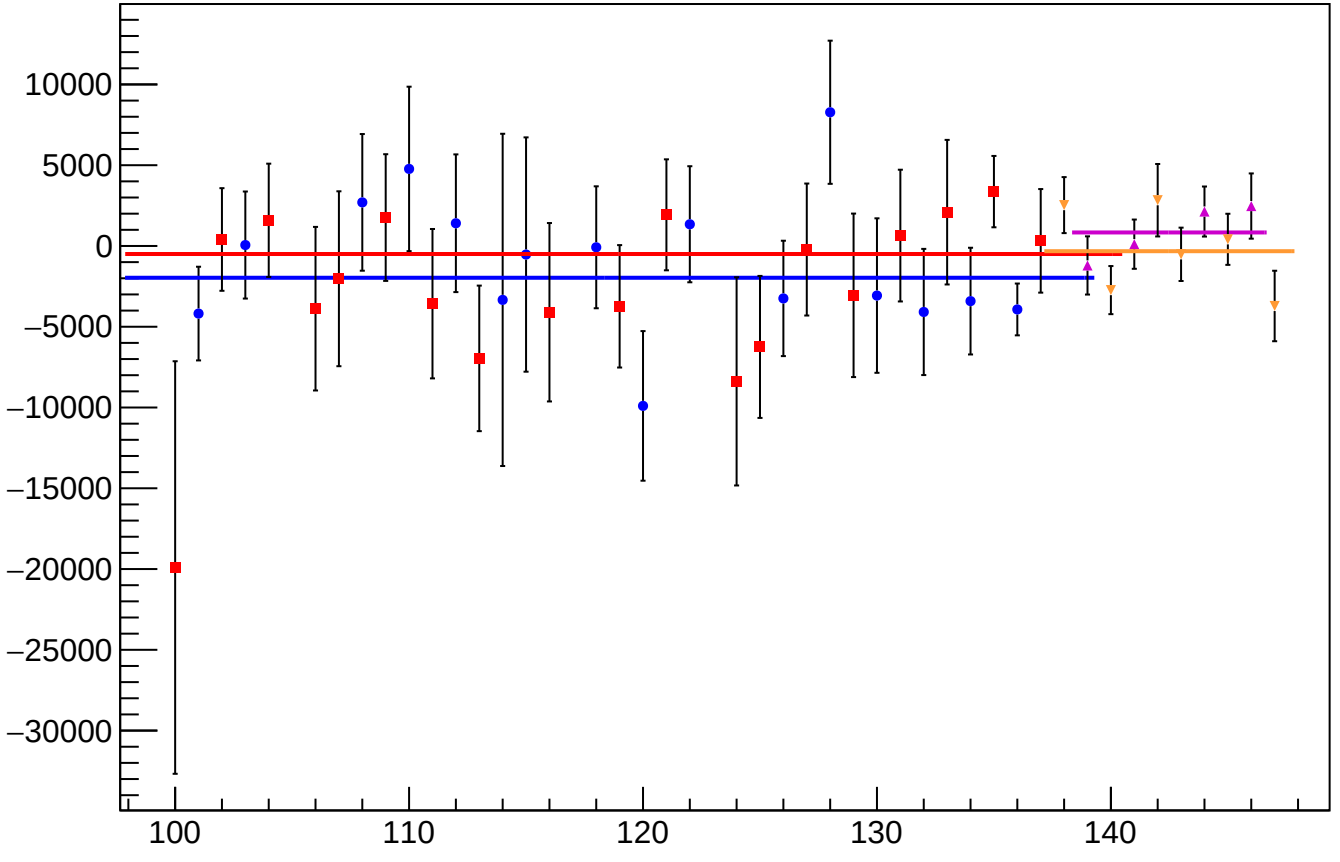
Left In: 201.327+/-0.076 χ^2/NDF:15394.4/3

+ sign 213.100+/-0.044 χ^2/NDF: 455186.3/21

All: 213.903+/-0.032 χ^2/NDF: 847975.7/44

- sign 214.778+/-0.046 χ^2/NDF: 392105.6/22

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -323.184+/-714.402 χ^2/NDF:10.0/5

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

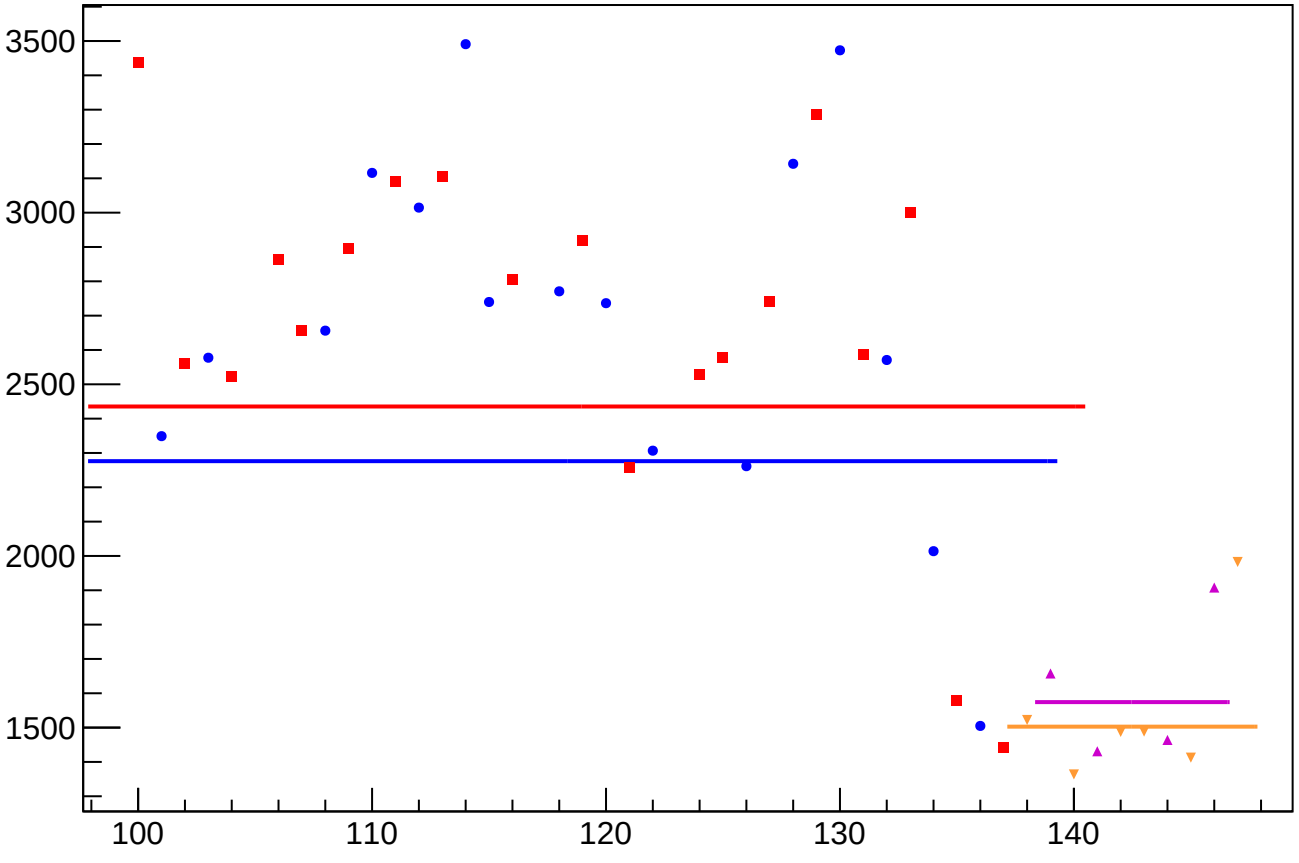
Left In: 836.592+/-845.089 χ^2/NDF:2.9/3

+ sign -979.390+/-553.790 χ^2/NDF: 28.2/21

All: -446.786+/-413.239 χ^2/NDF: 49.1/44

- sign 222.378+/-620.739 χ^2/NDF: 18.8/22

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1502.758+/-0.505 χ^2/NDF:121209.8/5

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

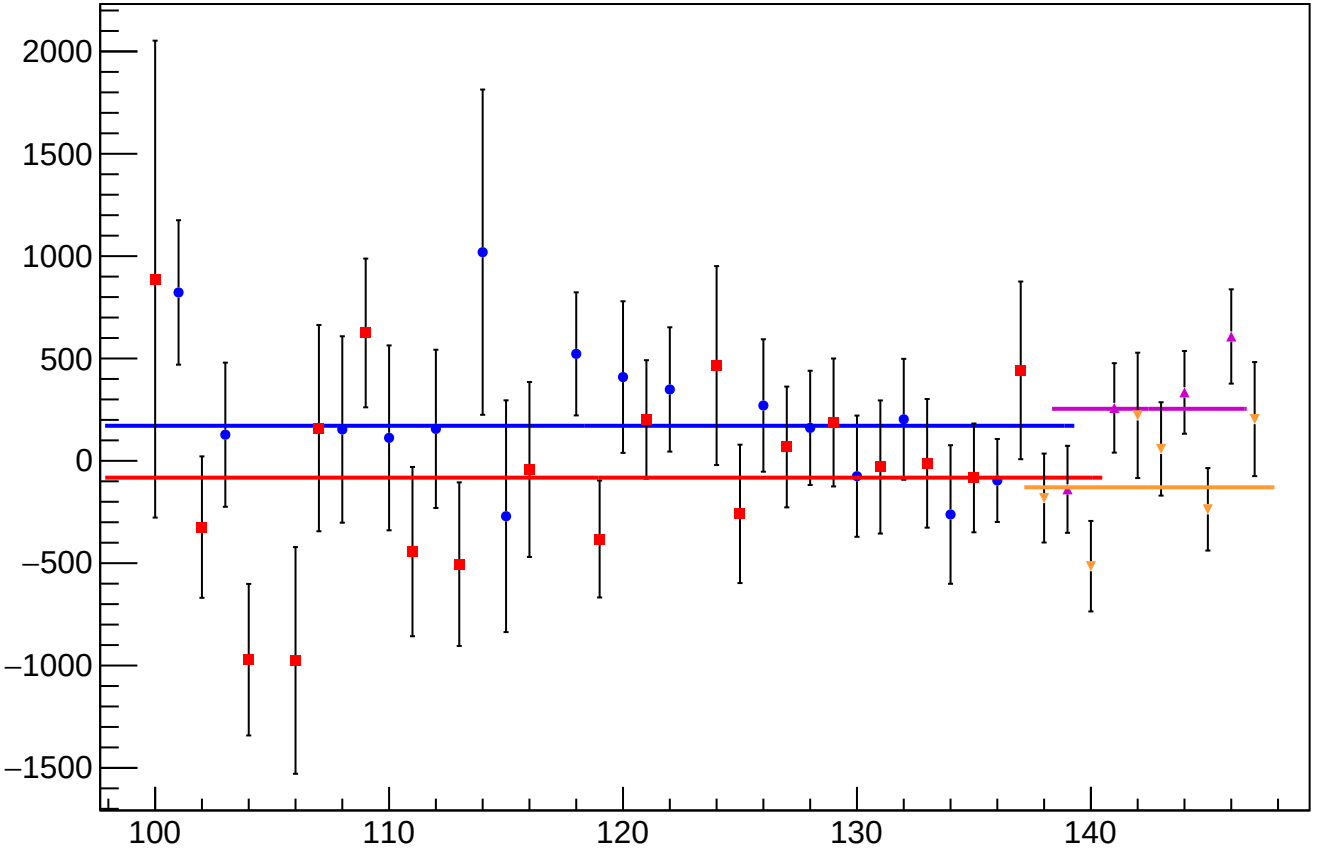
Left In: 1574.256+/-0.598 χ^2/NDF:86675.6/3

+ sign 1811.409+/-0.392 χ^2/NDF: 1983608.1/21

All: 1882.035+/-0.292 χ^2/NDF: 3891366.9/44

- sign 1970.769+/-0.439 χ^2/NDF: 1834361.6/22

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -129.303+/-95.759 χ^2/NDF:6.8/5

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

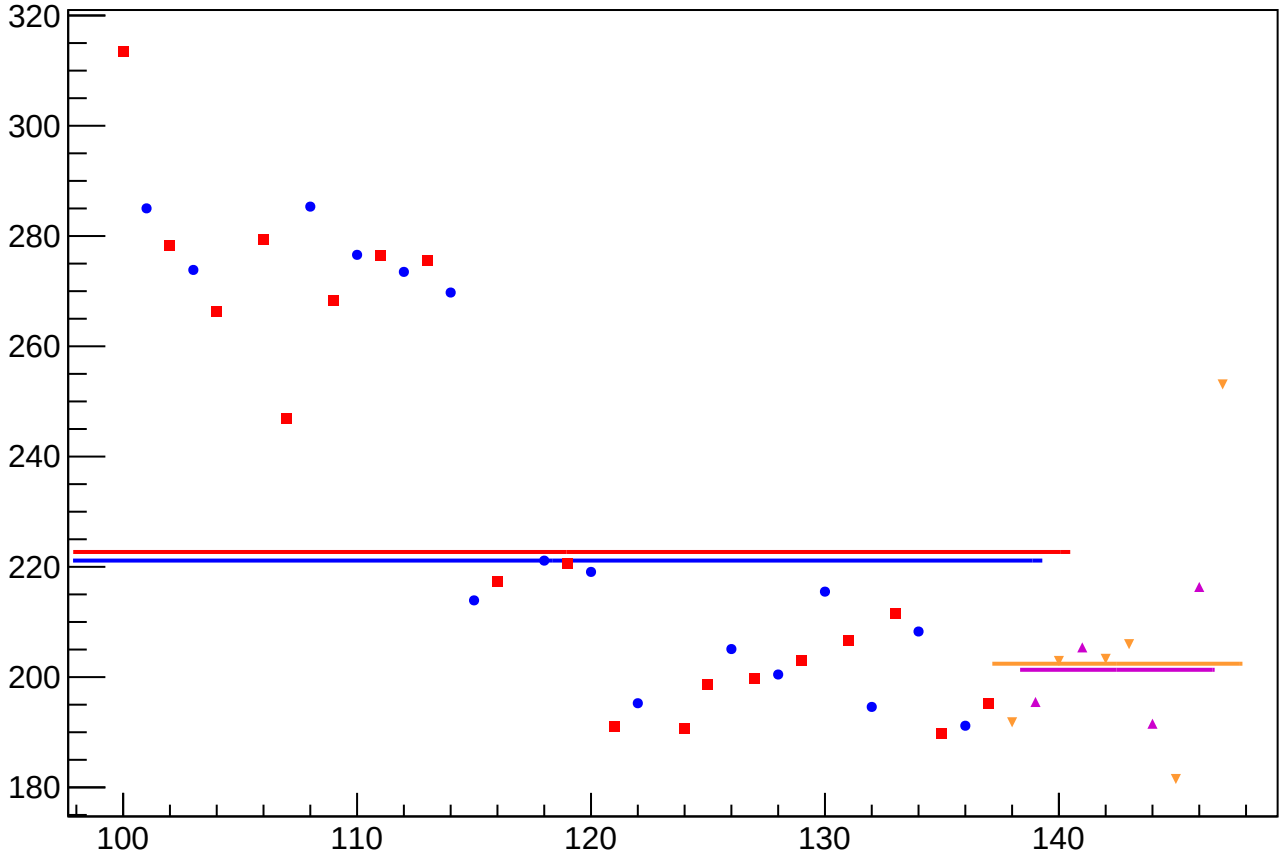
Left In: 254.234+/-107.572 χ^2/NDF:5.9/3

+ sign 42.118+/-62.769 χ^2/NDF: 23.9/21

All: 42.307+/-45.315 χ^2/NDF: 57.6/44

- sign 42.514+/-65.487 χ^2/NDF: 33.7/22

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 202.429+/-0.068 χ^2/NDF:92943.4/5

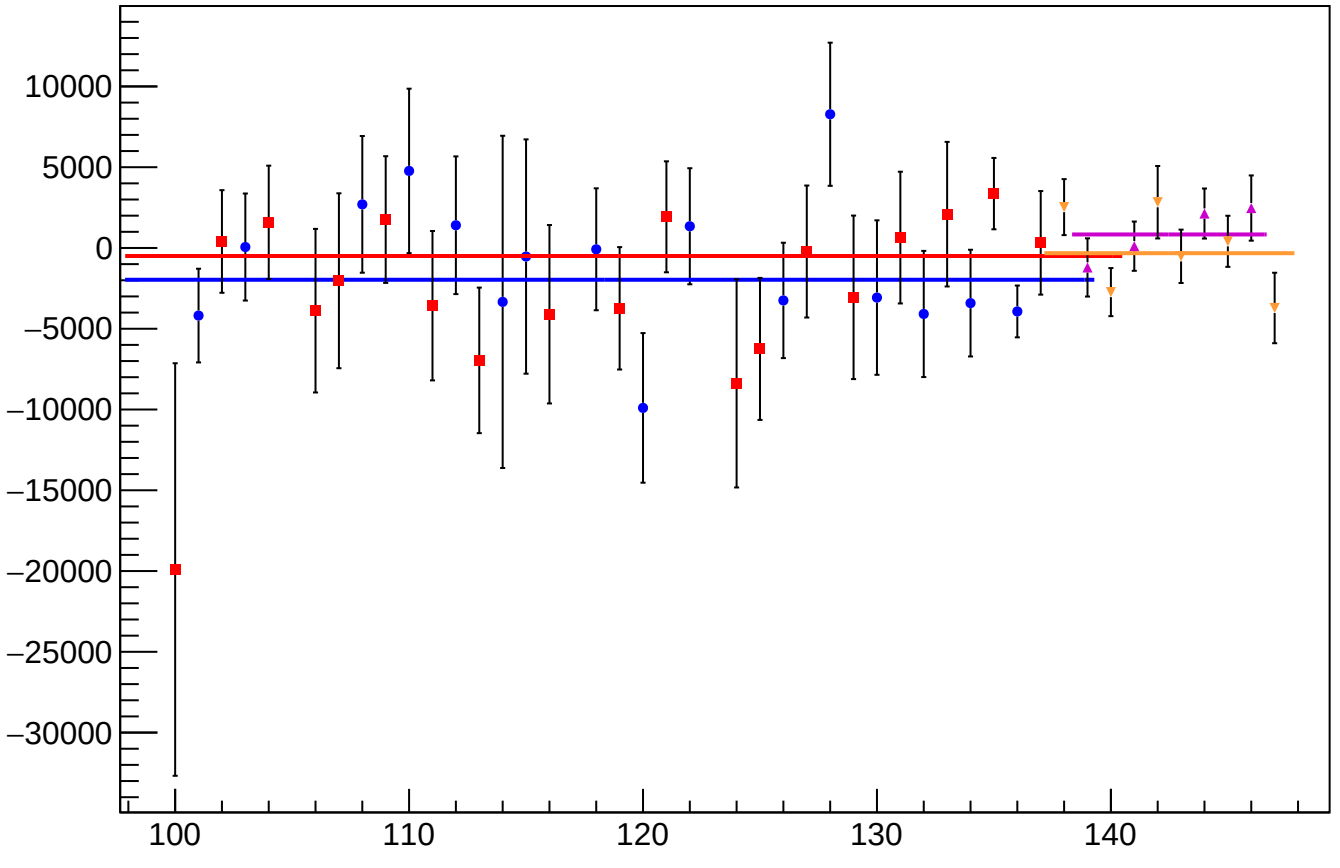
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.3/3

+ sign 213.099+/-0.044 χ^2/NDF: 455179.6/21

All: 213.903+/-0.032 χ^2/NDF: 847959.5/44

- sign 214.777+/-0.046 χ^2/NDF: 392096.0/22



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -323.188+/-714.401 χ^2/NDF:10.0/5

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

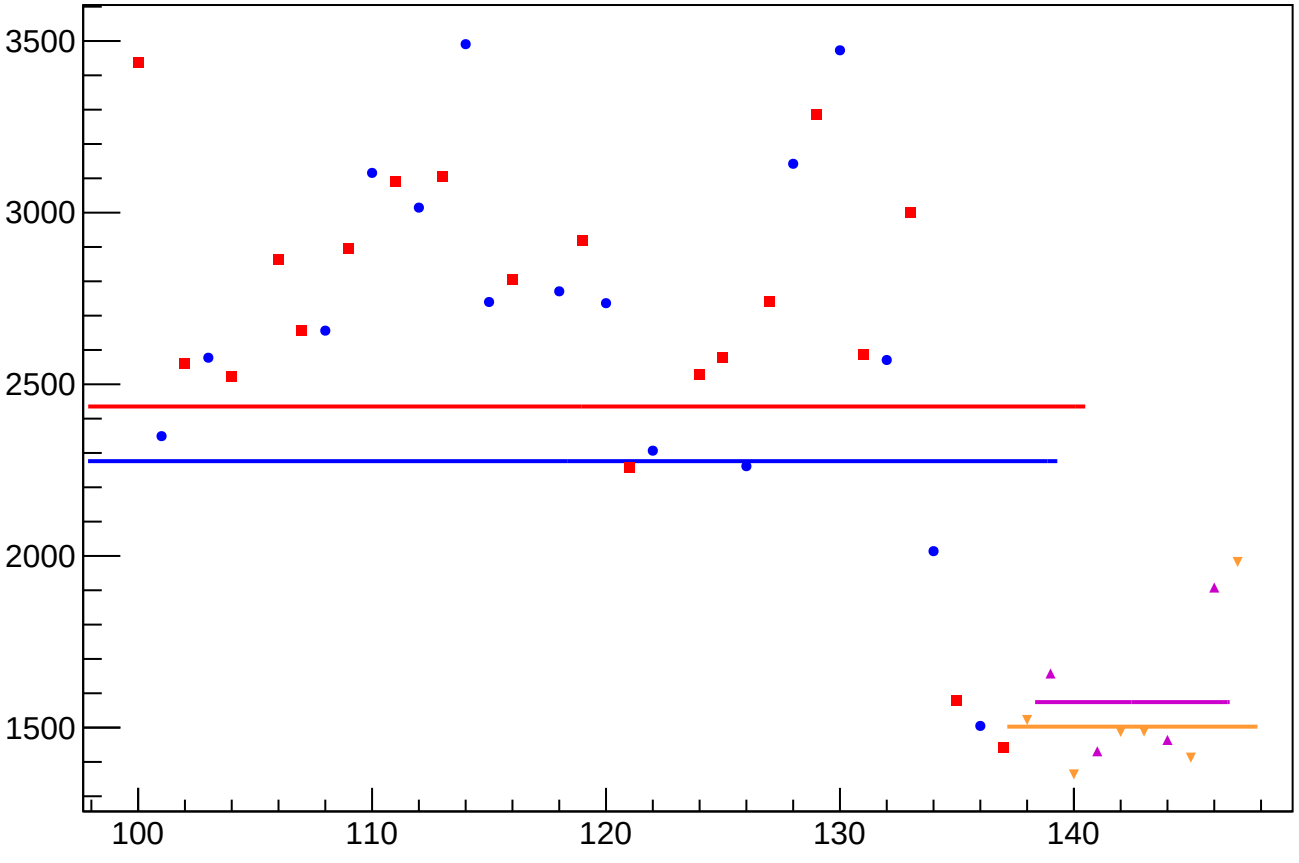
Left In: 836.590+/-845.089 χ^2/NDF:2.9/3

+ sign -979.391+/-553.789 χ^2/NDF: 28.2/21

All: -446.787+/-413.238 χ^2/NDF: 49.1/44

- sign 222.376+/-620.738 χ^2/NDF: 18.8/22

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1502.756+/-0.505 χ^2/NDF:121210.3/5

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

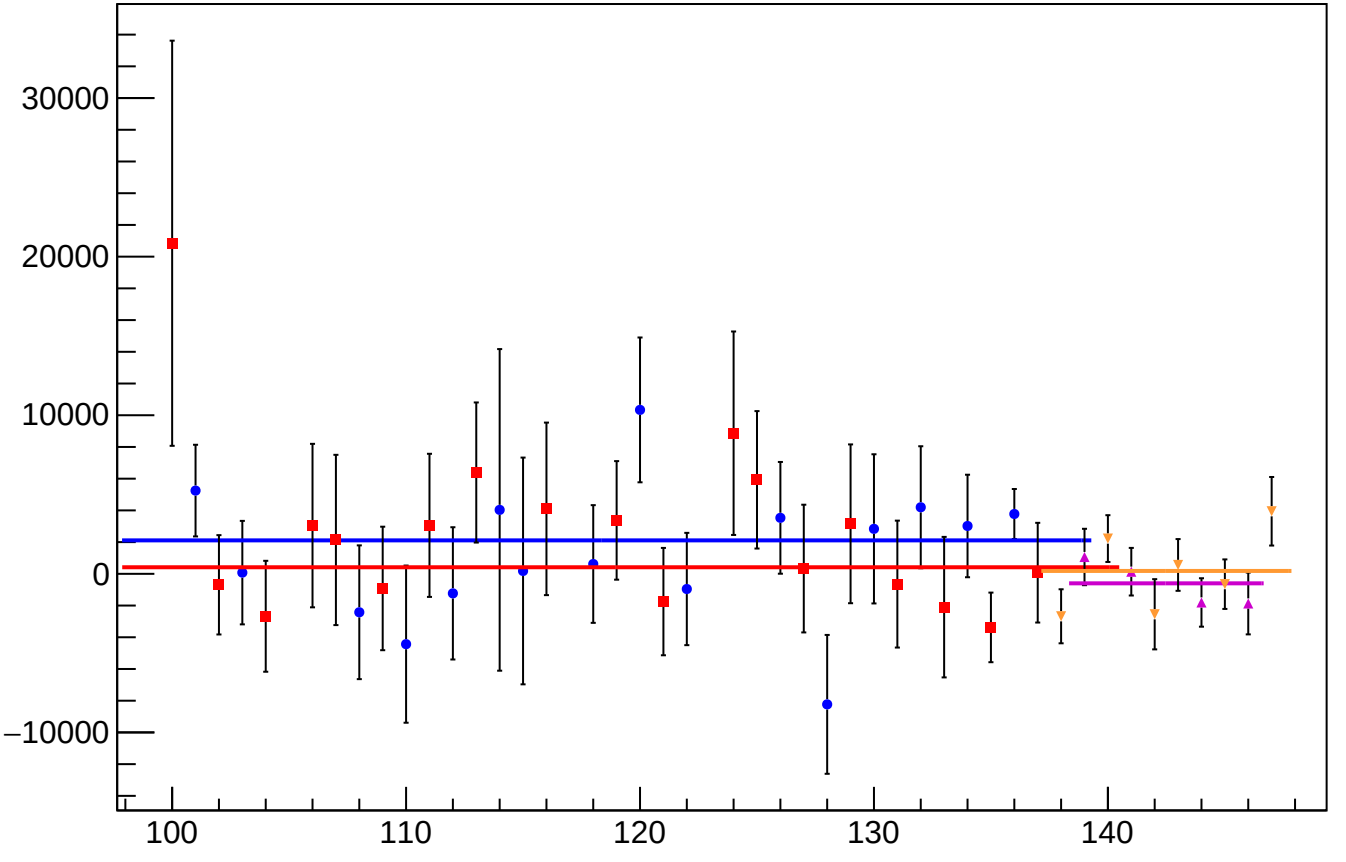
Left In: 1574.254+/-0.598 χ^2/NDF:86675.1/3

+ sign 1811.408+/-0.392 χ^2/NDF: 1983598.7/21

All: 1882.033+/-0.292 χ^2/NDF: 3891348.1/44

- sign 1970.767+/-0.439 χ^2/NDF: 1834351.9/22

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 182.069+/-705.668 χ^2/NDF:9.6/5

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

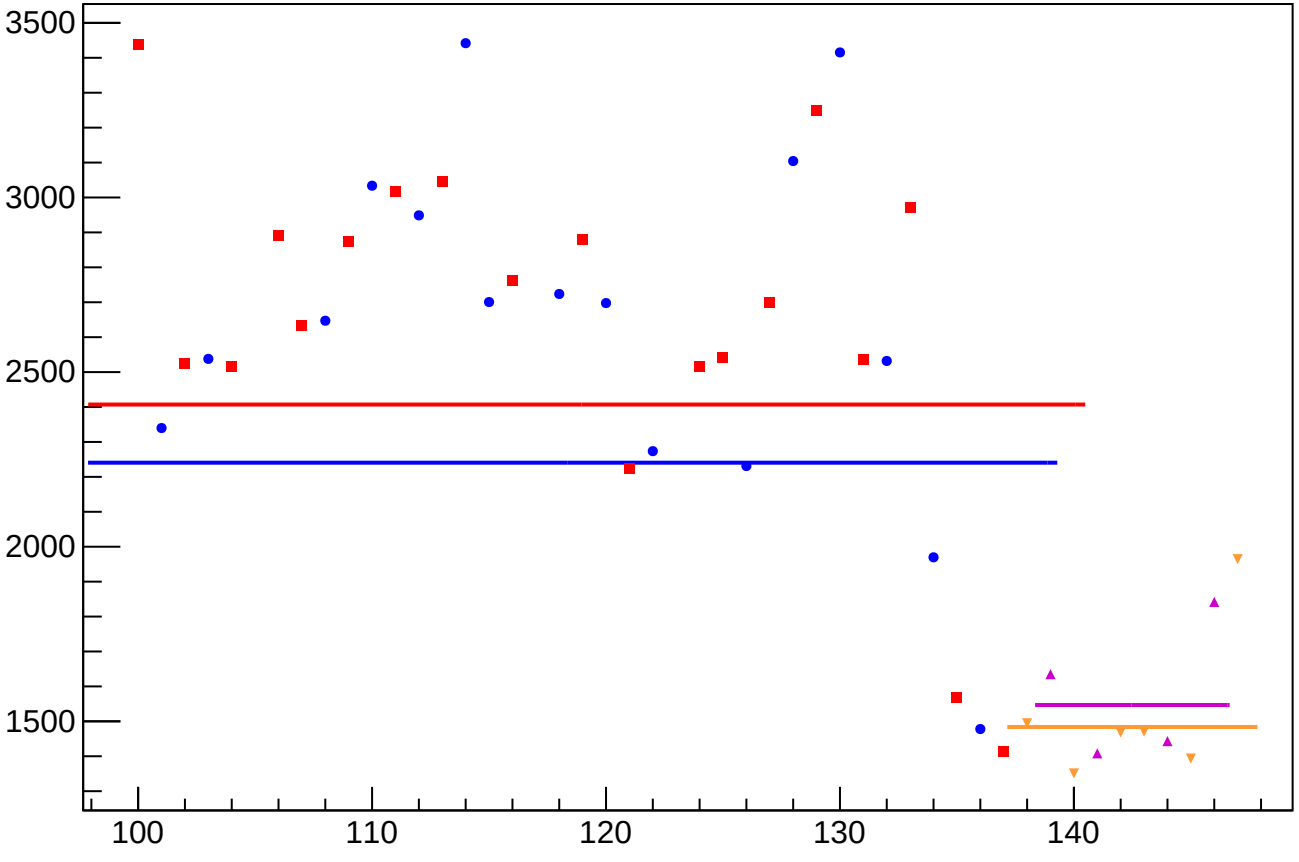
Left In: -599.275+/-829.732 χ^2/NDF:2.2/3

+ sign 954.099+/-546.362 χ^2/NDF: 29.2/21

All: 470.035+/-407.399 χ^2/NDF: 48.5/44

- sign -136.150+/-611.409 χ^2/NDF: 17.5/22

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1483.799+/-0.499 χ^2/NDF:122129.6/5

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

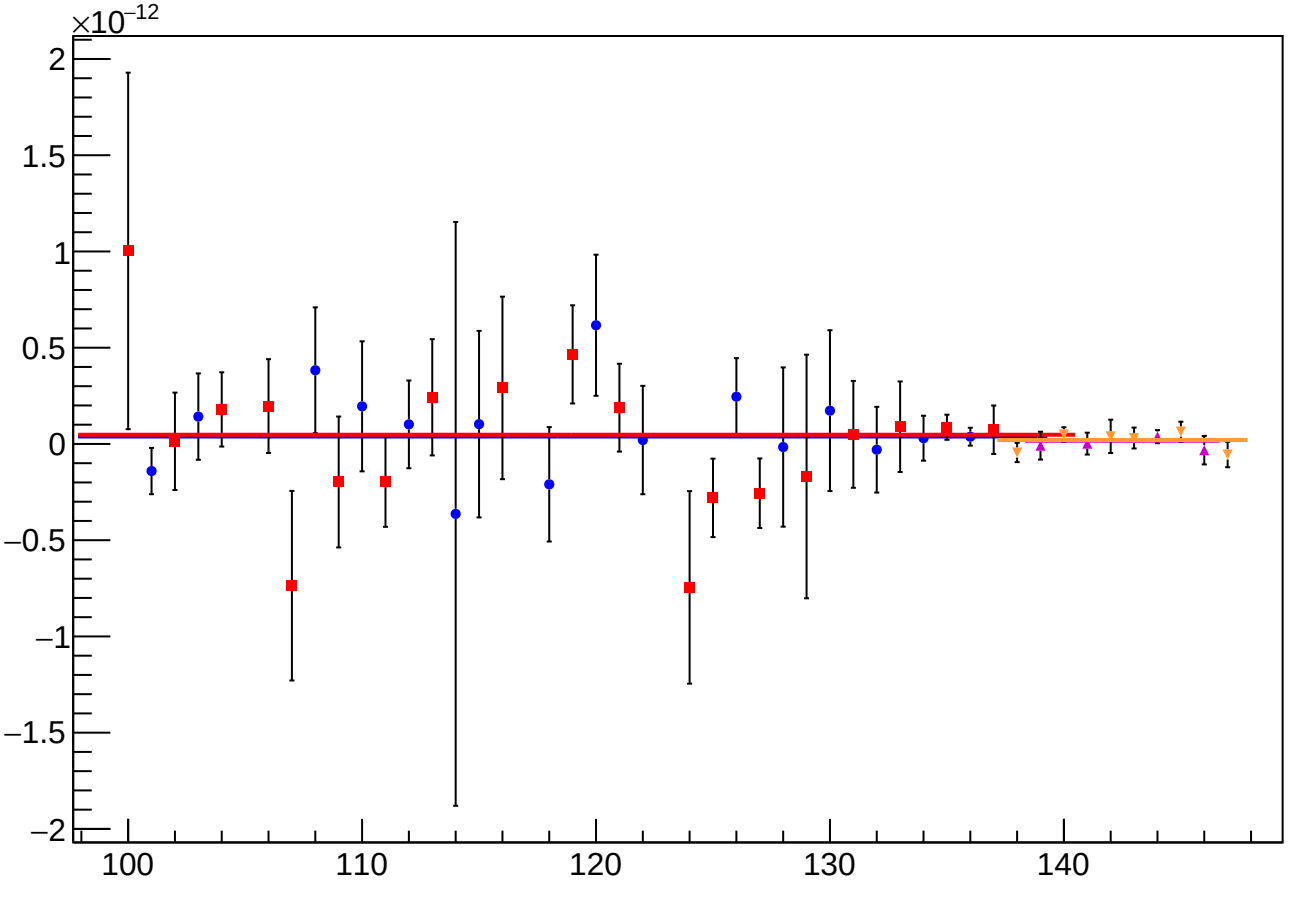
Left In: 1546.686+/-0.587 χ^2/NDF:77005.2/3

+ sign 1786.939+/-0.386 χ^2/NDF: 1977163.7/21

All: 1854.861+/-0.288 χ^2/NDF: 3895692.5/44

- sign 1939.919+/-0.432 χ^2/NDF: 1848912.3/22

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:4.4/5

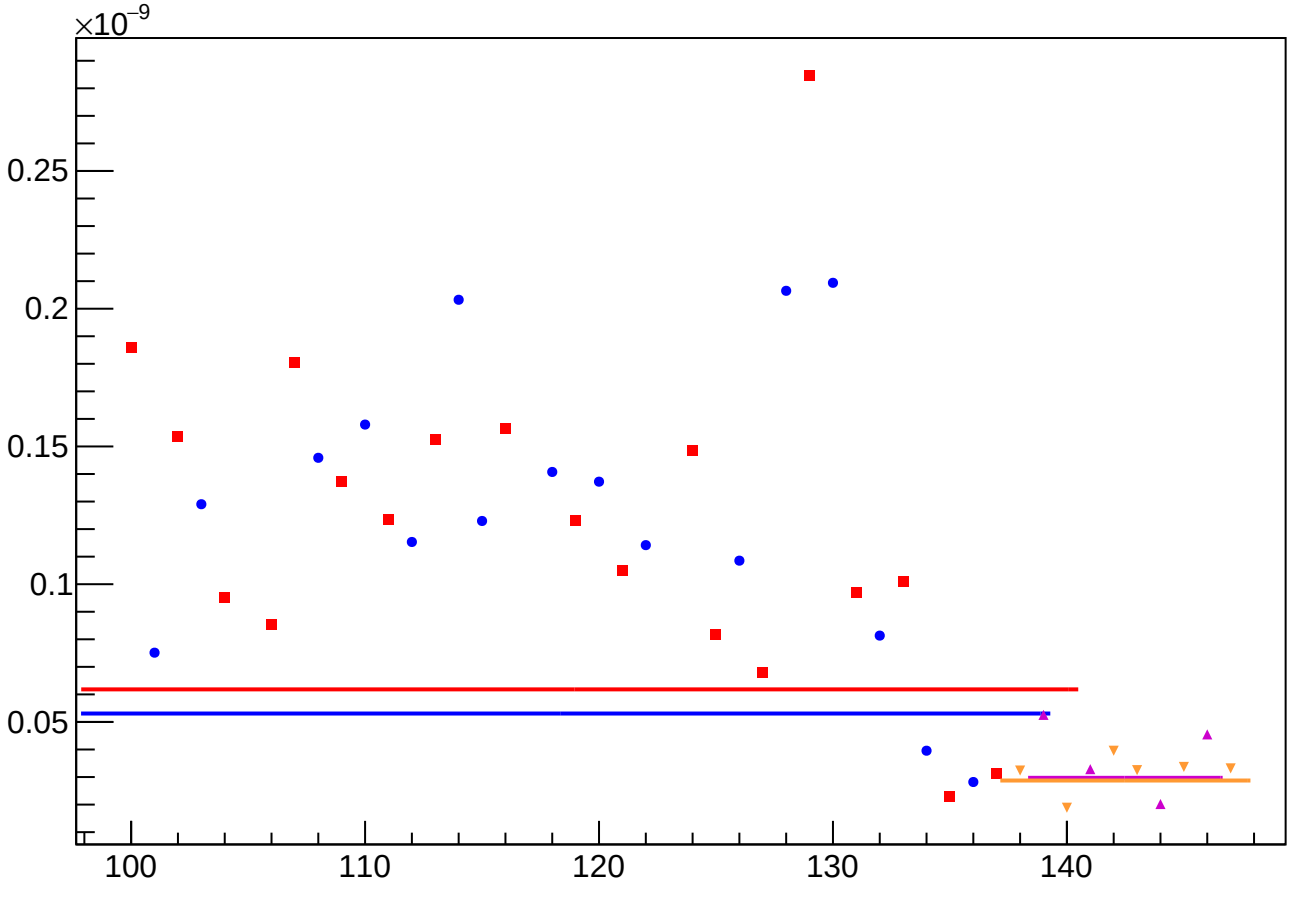
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 13.0/21

All: 0.000+/-0.000 χ^2/NDF: 32.6/44

- sign 0.000+/-0.000 χ^2/NDF: 19.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217561.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

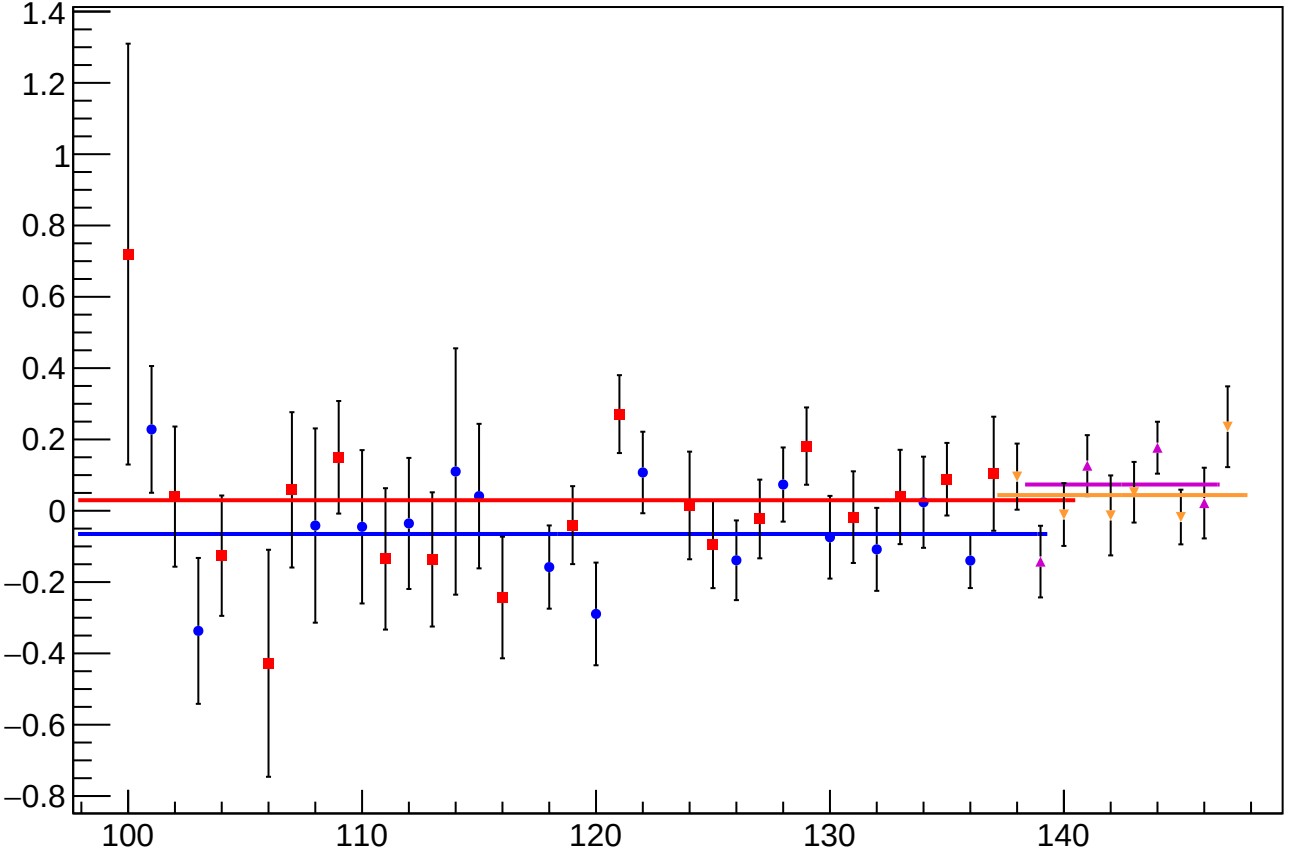
Left In: 0.000+/-0.000 χ^2/NDF:452566.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3459148.6/21

All: 0.000+/-0.000 χ^2/NDF: 7165478.7/44

- sign 0.000+/-0.000 χ^2/NDF: 3685033.2/22

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: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

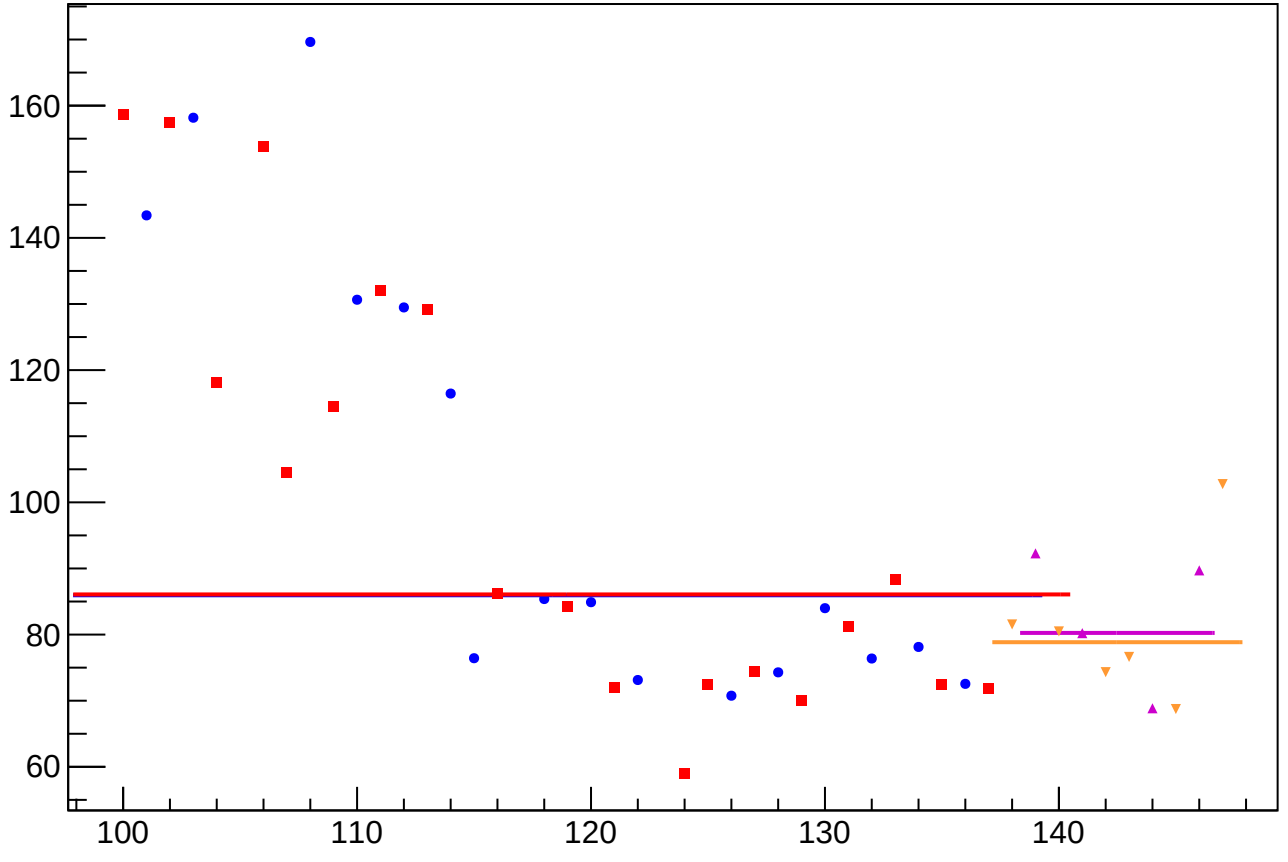
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.013+/-0.018 χ^2/NDF: 52.4/44

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

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: 78.848+/-0.027 χ^2/NDF:130885.0/5

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

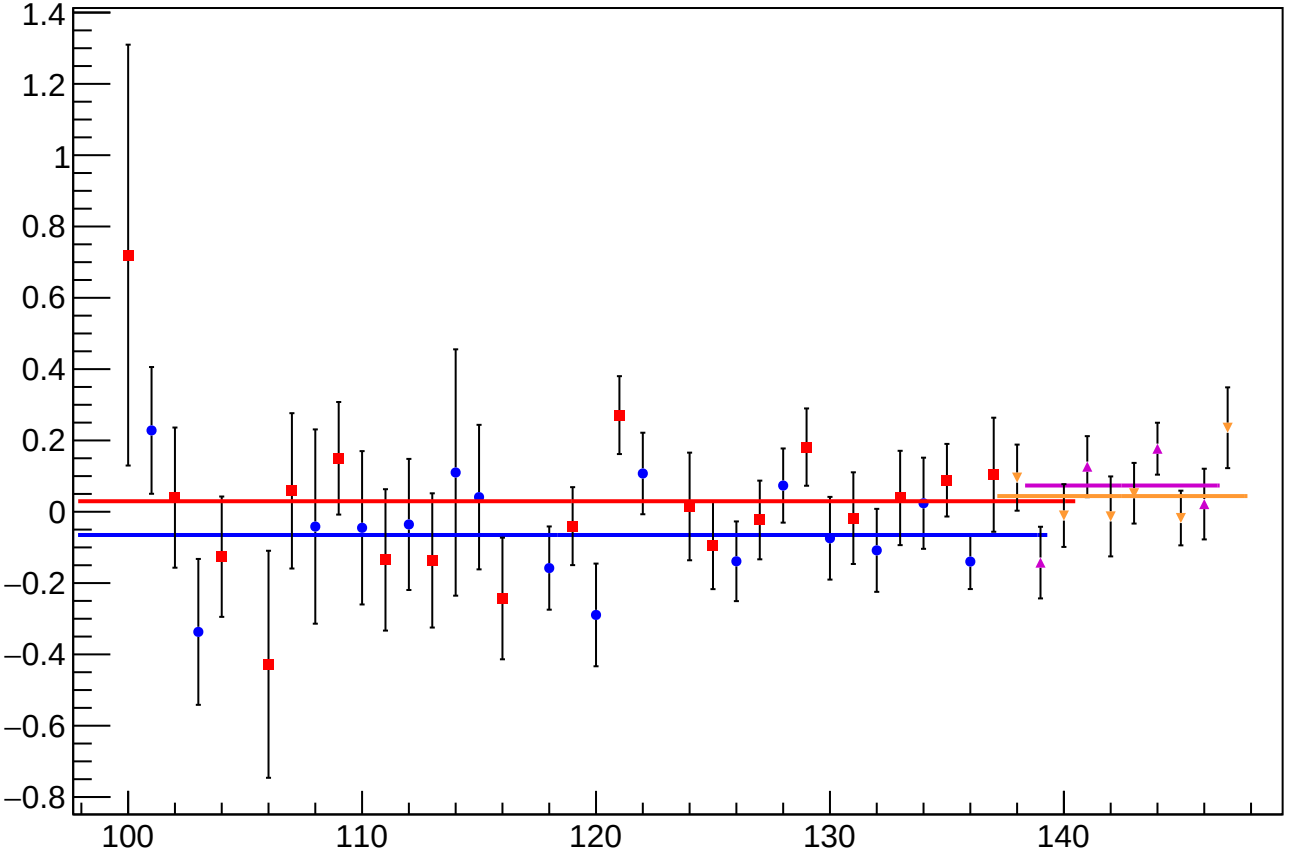
Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

+ sign 82.815+/-0.018 χ^2/NDF: 1205942.2/21

All: 83.355+/-0.013 χ^2/NDF: 2317873.8/44

- sign 83.956+/-0.019 χ^2/NDF: 1109946.6/22

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: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

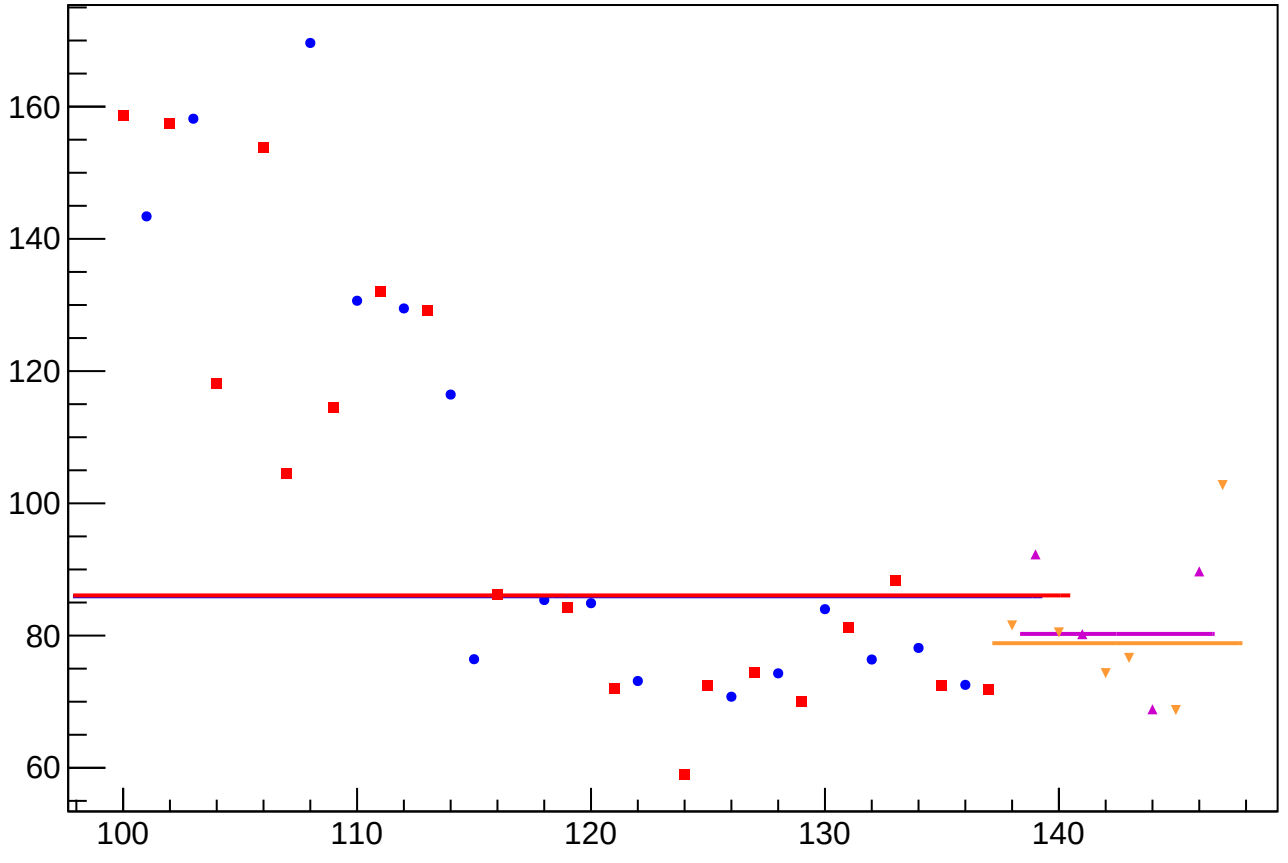
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.013+/-0.018 χ^2/NDF: 52.4/44

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

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: 78.848+/-0.027 χ^2/NDF:130885.0/5

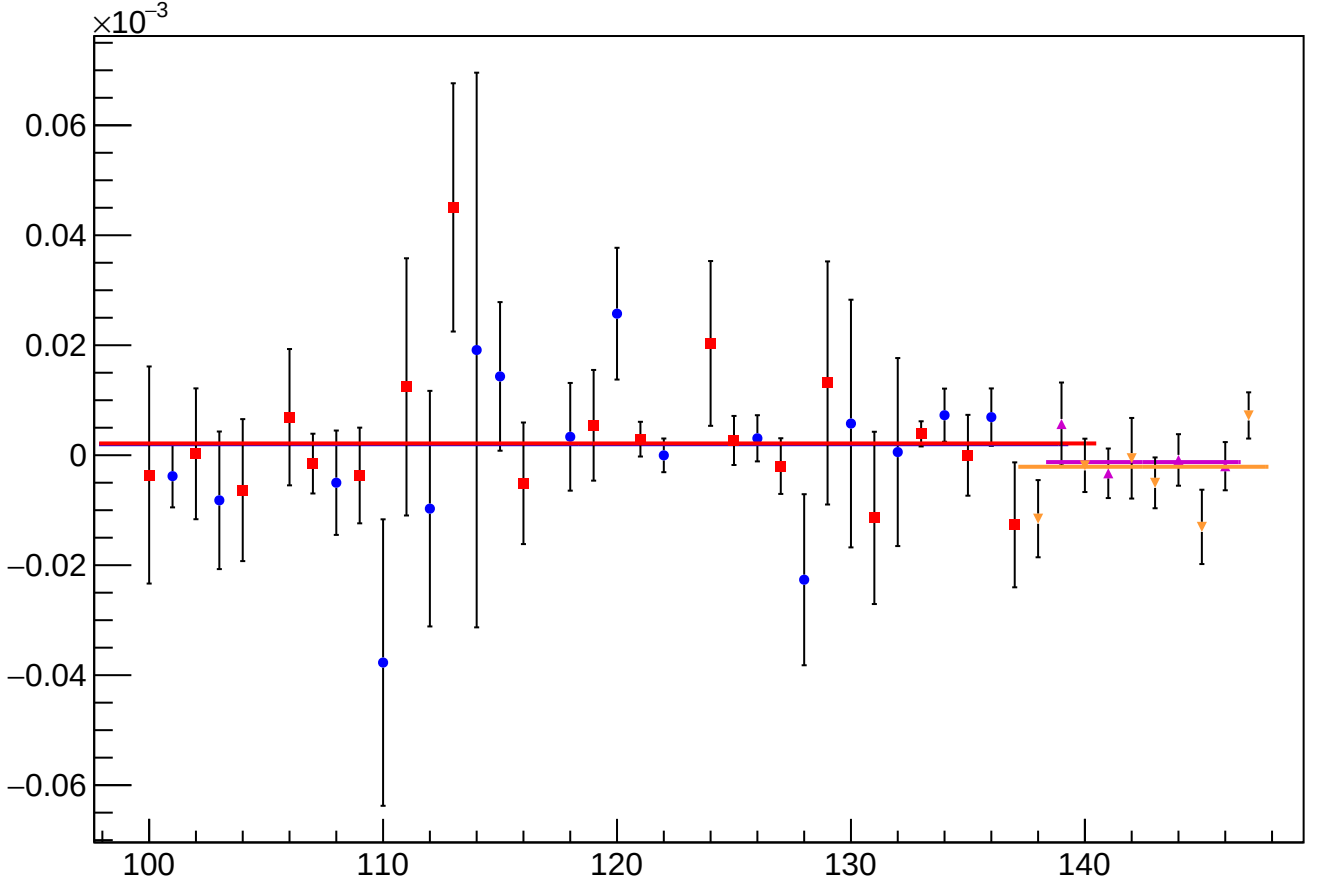
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

+ sign 82.815+/-0.018 χ^2/NDF: 1205942.2/21

All: 83.355+/-0.013 χ^2/NDF: 2317873.8/44

- sign 83.956+/-0.019 χ^2/NDF: 1109946.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/5

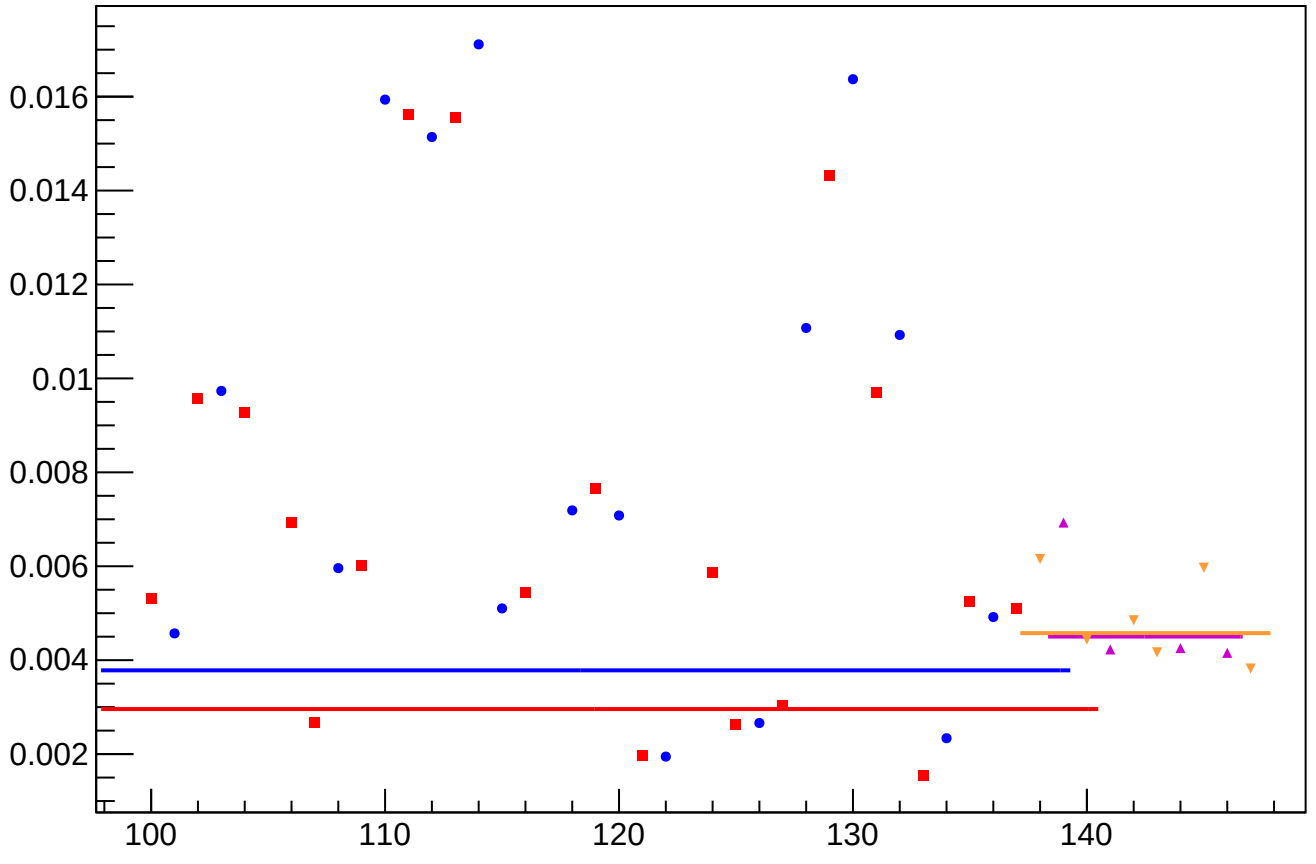
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/21

All: 0.000+/-0.000 χ^2/NDF: 41.1/44

- sign 0.000+/-0.000 χ^2/NDF: 14.0/22



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:270697.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

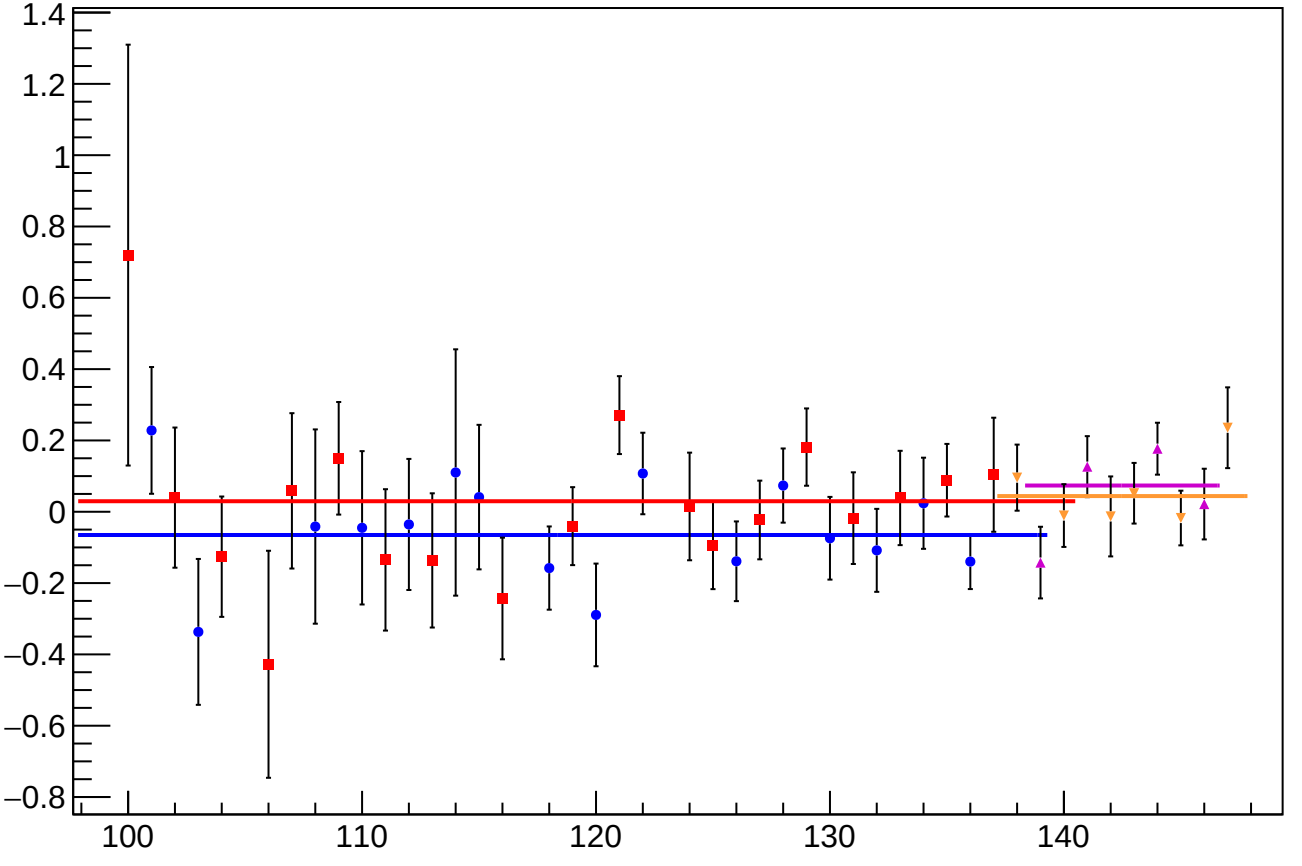
Left In: 0.005+/-0.000 χ^2/NDF:232413.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 5124349.4/21

All: 0.004+/-0.000 χ^2/NDF: 11835229.3/44

- sign 0.003+/-0.000 χ^2/NDF: 6372344.8/22

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: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

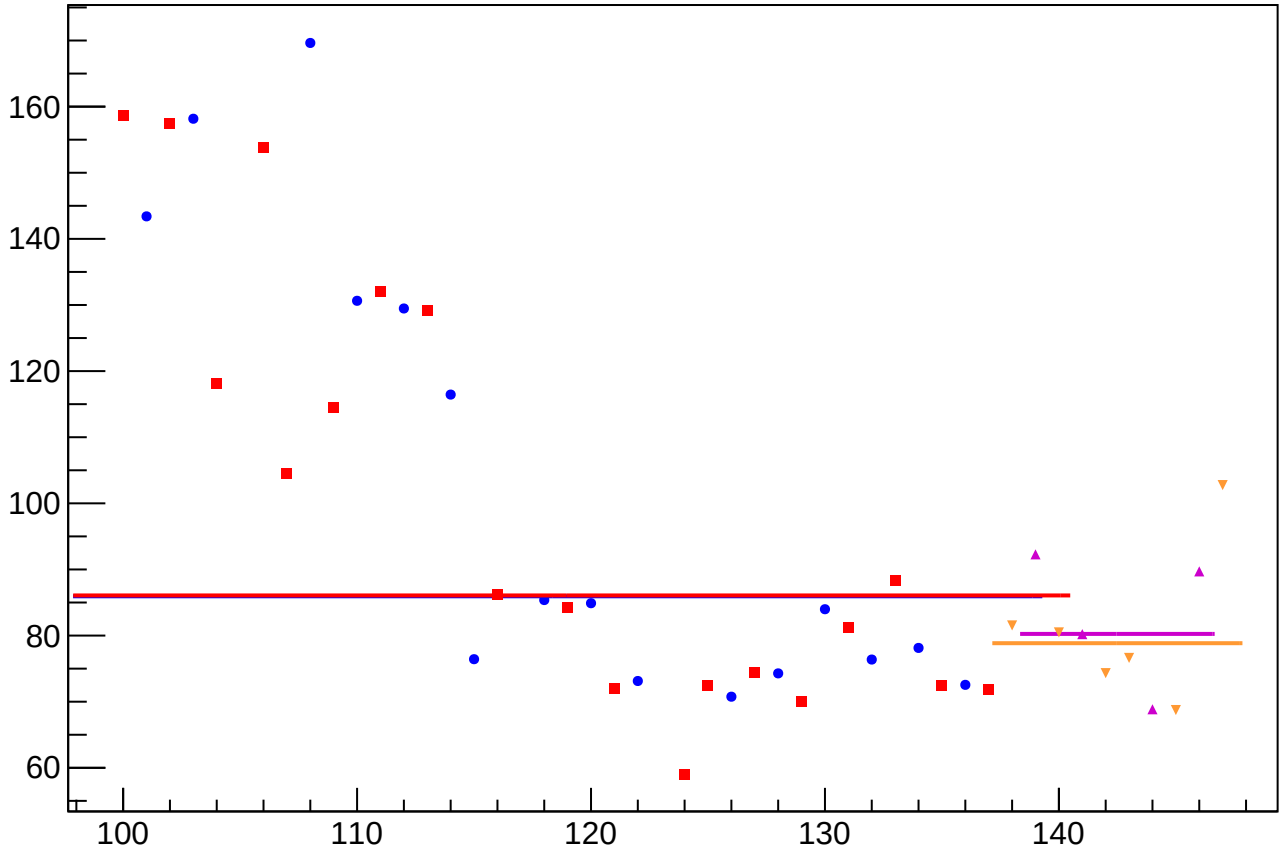
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.013+/-0.018 χ^2/NDF: 52.4/44

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.847+/-0.027 χ^2/NDF:130900.2/5

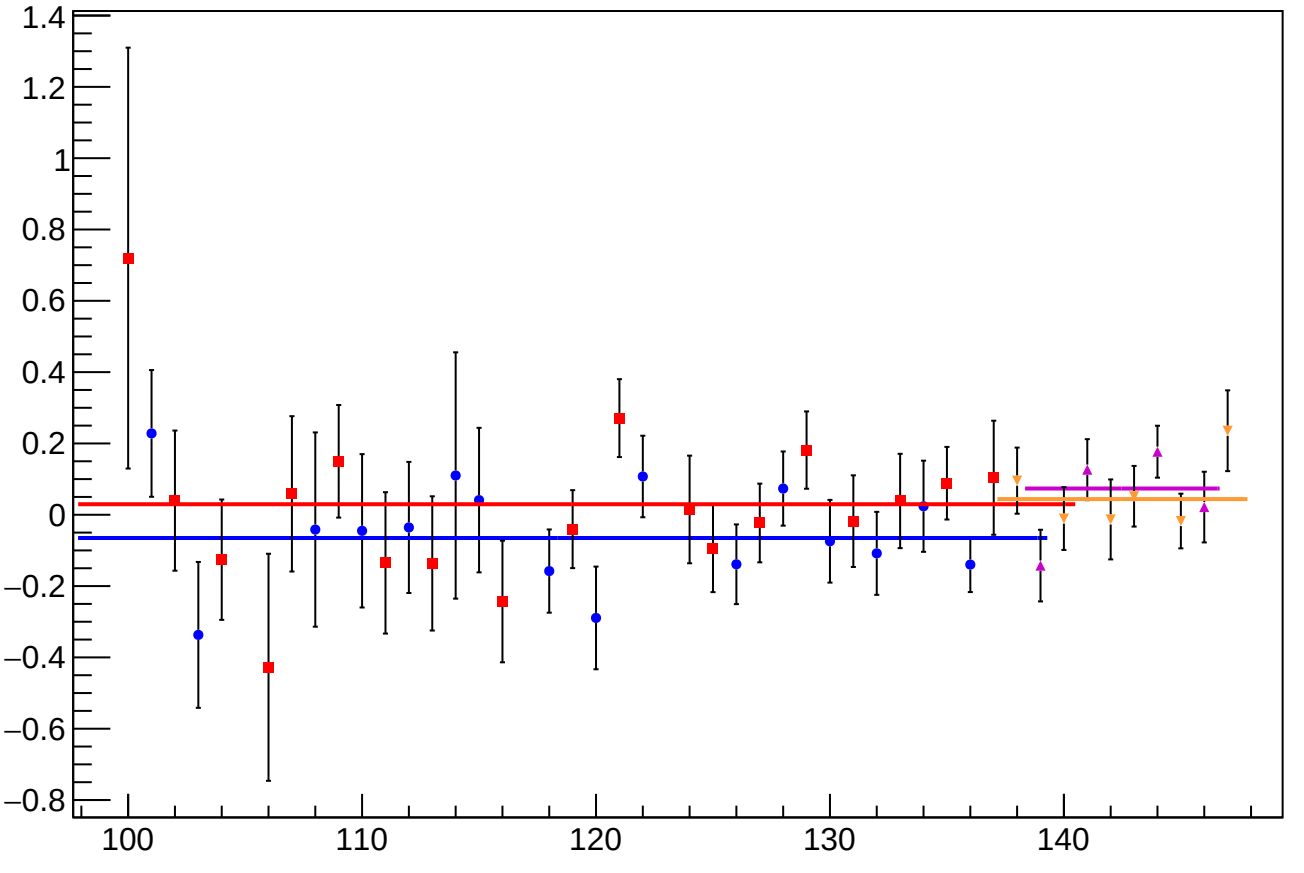
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

+ sign 82.813+/-0.018 χ^2/NDF: 1205923.6/21

All: 83.353+/-0.013 χ^2/NDF: 2317833.4/44

- sign 83.954+/-0.019 χ^2/NDF: 1109924.2/22



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

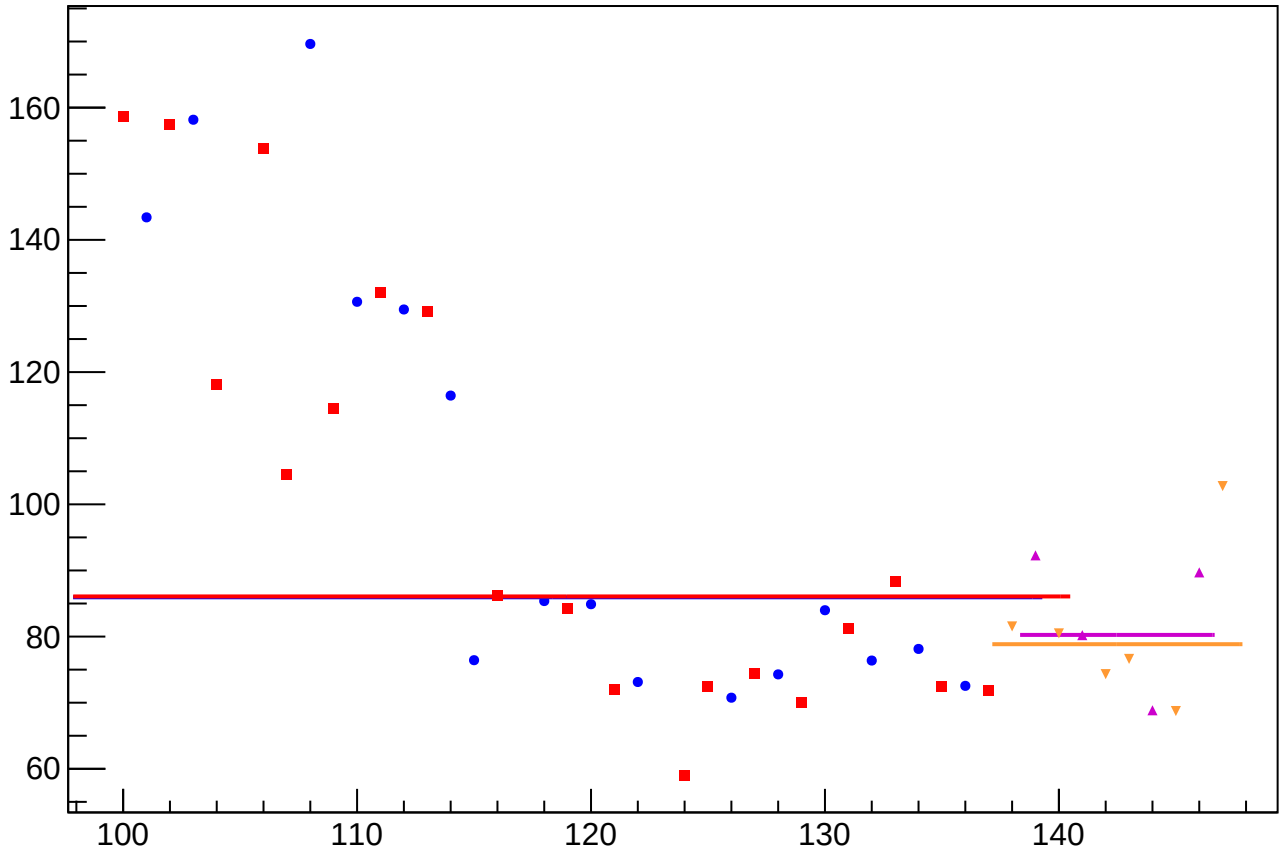
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.013+/-0.018 χ^2/NDF: 52.4/44

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.847+/-0.027 χ^2/NDF:130900.2/5

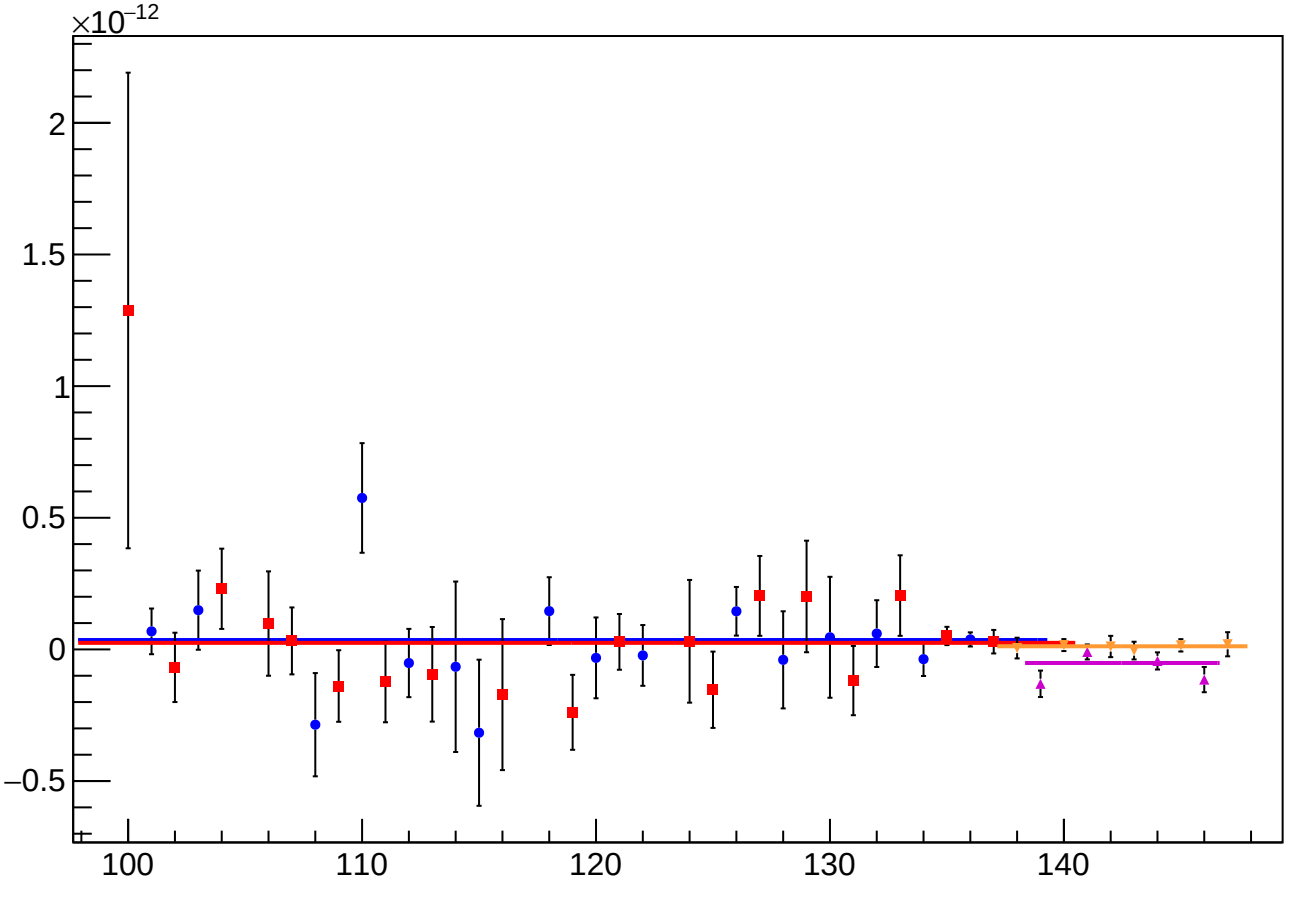
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

+ sign 82.813+/-0.018 χ^2/NDF: 1205923.6/21

All: 83.353+/-0.013 χ^2/NDF: 2317833.4/44

- sign 83.954+/-0.019 χ^2/NDF: 1109924.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/5

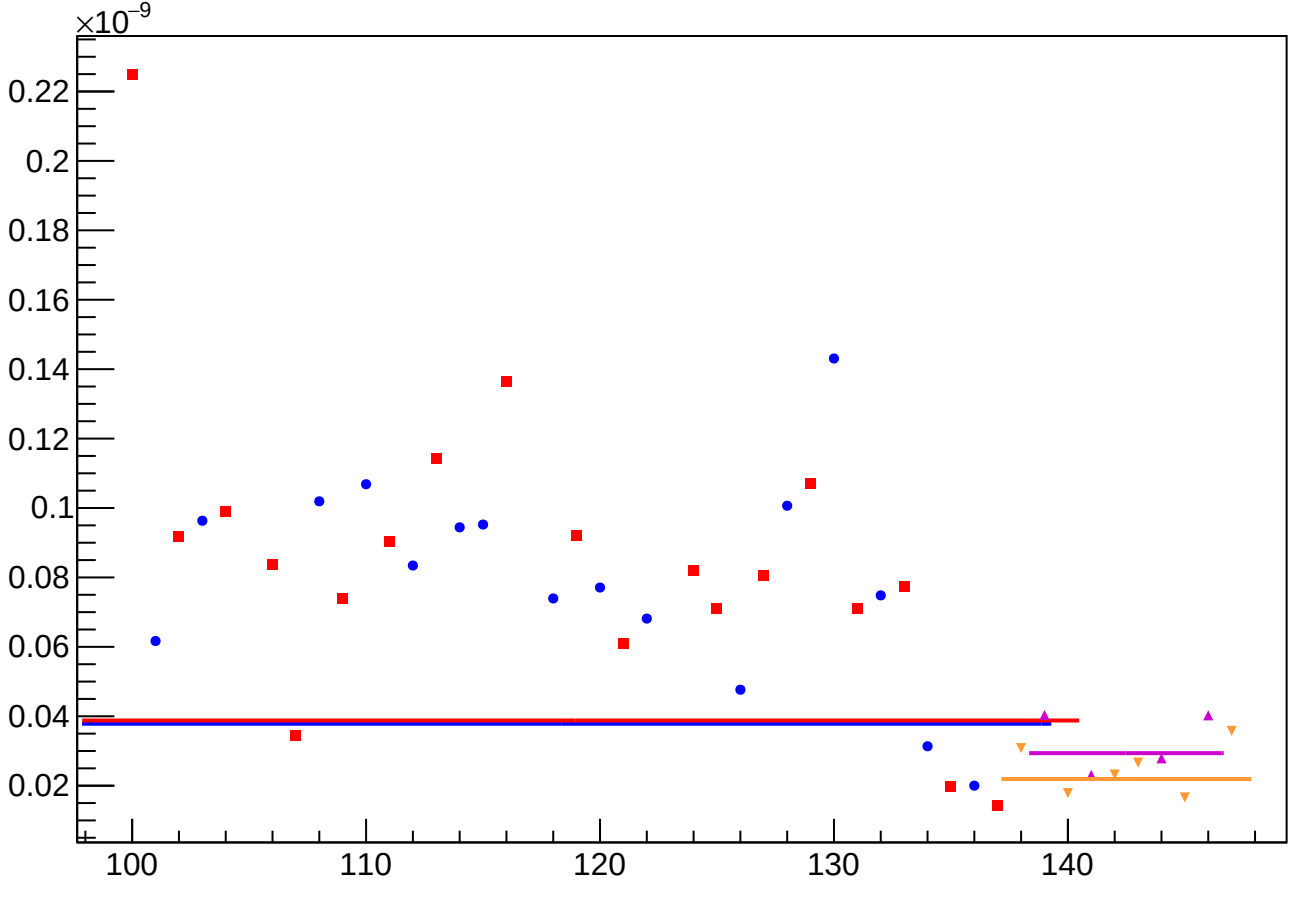
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/21

All: 0.000+/-0.000 χ^2/NDF: 53.9/44

- sign -0.000+/-0.000 χ^2/NDF: 31.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:492325.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

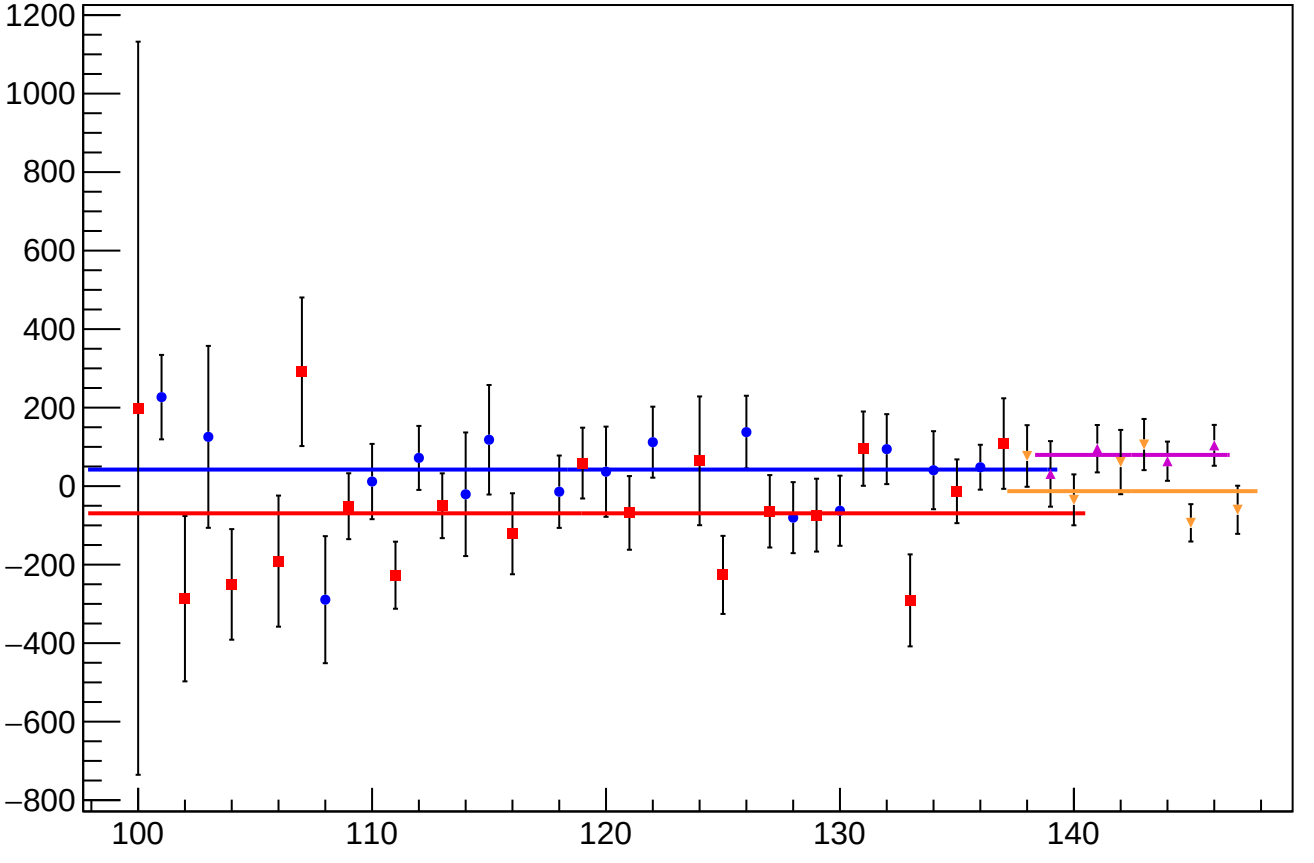
Left In: 0.000+/-0.000 χ^2/NDF:299627.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4820496.1/21

All: 0.000+/-0.000 χ^2/NDF: 9765170.5/44

- sign 0.000+/-0.000 χ^2/NDF: 4635848.4/22

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.798+/-25.889 χ^2/NDF:9.0/5

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

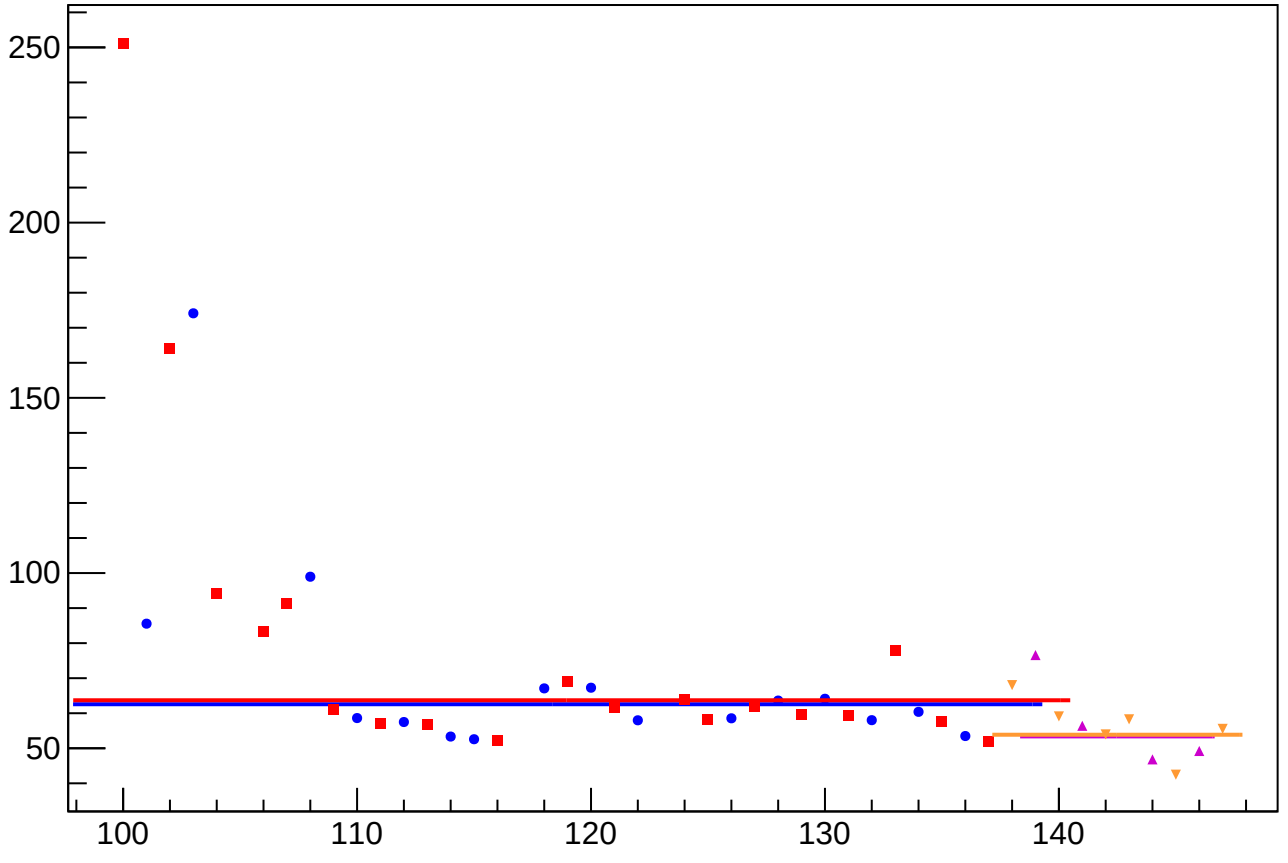
Left In: 79.533+/-29.021 χ^2/NDF:0.7/3

+ sign 16.556+/-17.682 χ^2/NDF: 25.0/21

All: 5.154+/-12.843 χ^2/NDF: 67.4/44

- sign -7.578+/-18.684 χ^2/NDF: 41.5/22

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

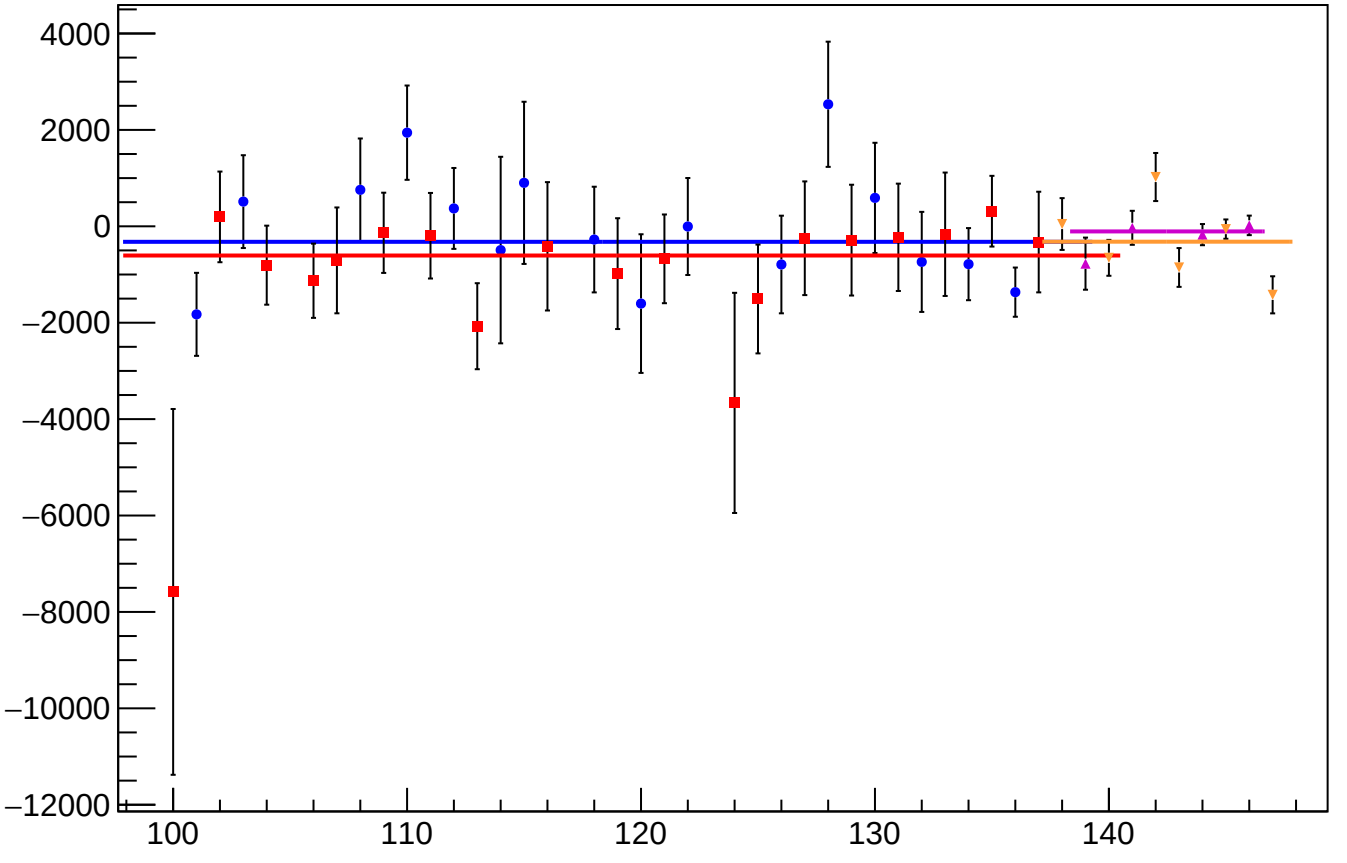
Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.507+/-0.013 χ^2/NDF: 1082585.5/21

All: 58.941+/-0.009 χ^2/NDF: 2273903.4/44

- sign 59.425+/-0.013 χ^2/NDF: 1188771.5/22

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -318.951+/-137.951 χ^2/NDF:20.2/5

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

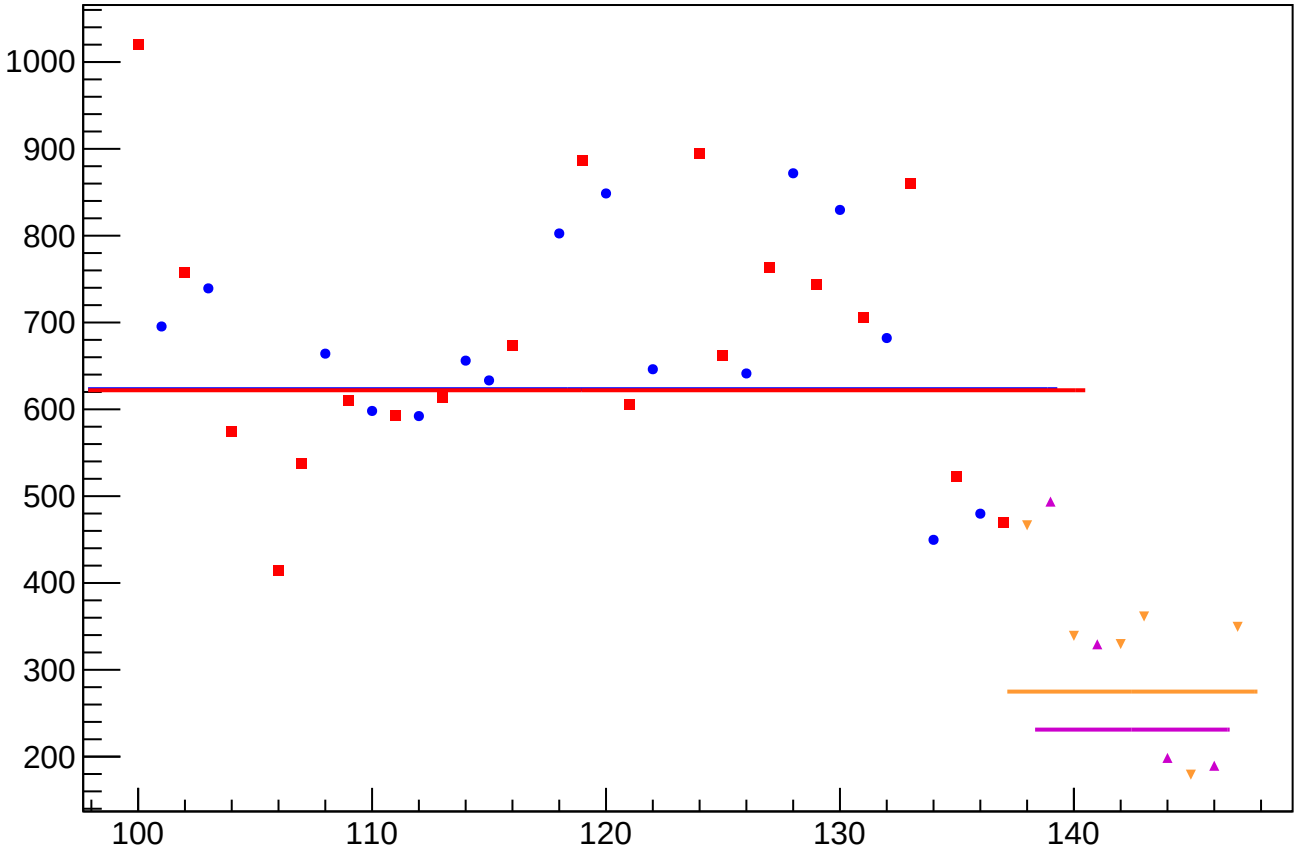
Left In: -106.110+/-132.960 χ^2/NDF:2.1/3

+ sign -319.631+/-119.412 χ^2/NDF: 42.9/21

All: -272.499+/-83.041 χ^2/NDF: 61.2/44

- sign -228.360+/-115.558 χ^2/NDF: 18.0/22

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 274.915+/-0.098 χ^2/NDF:961505.7/5

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

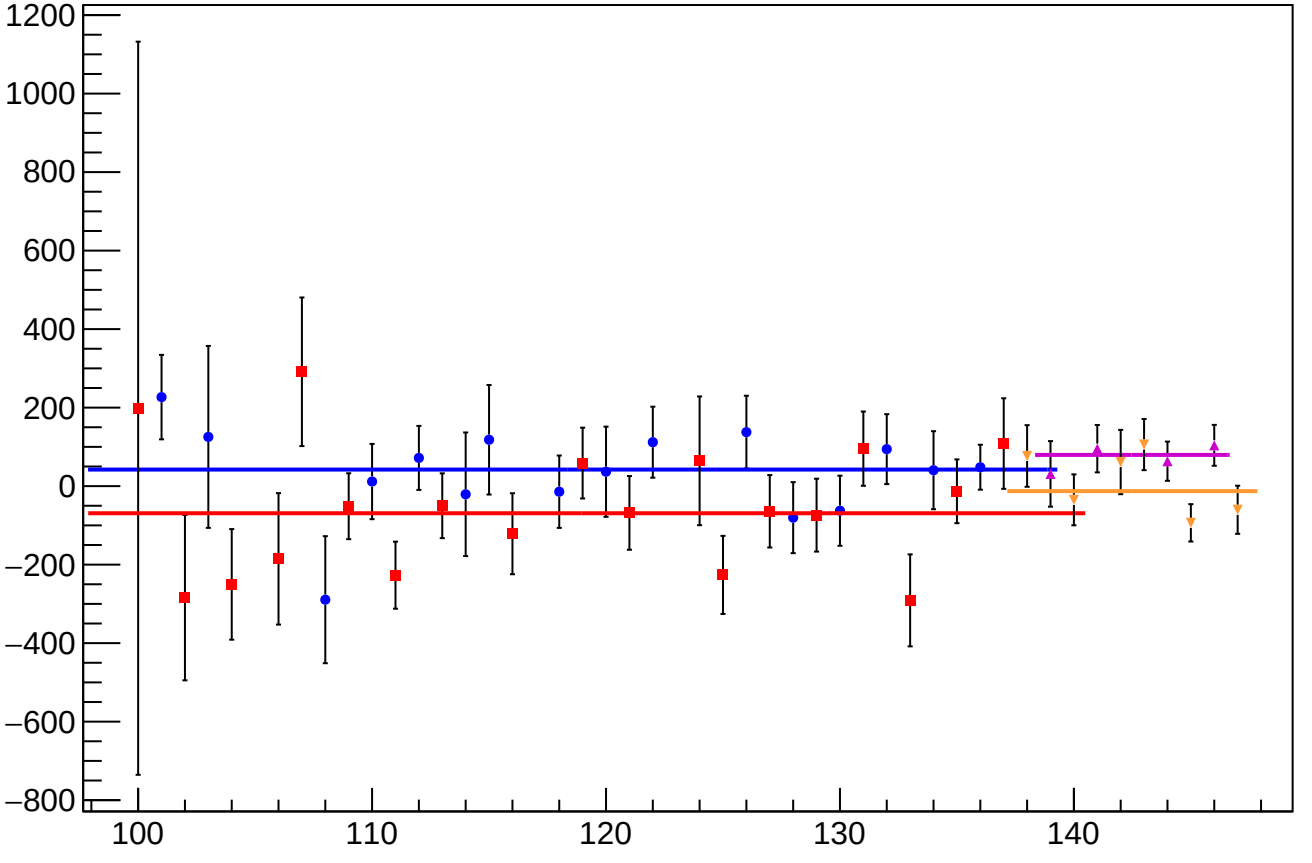
Left In: 231.134+/-0.094 χ^2/NDF:755644.4/3

+ sign 362.231+/-0.084 χ^2/NDF: 4722878.5/21

All: 343.905+/-0.059 χ^2/NDF: 10379880.9/44

- sign 326.743+/-0.082 χ^2/NDF: 5565780.9/22

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

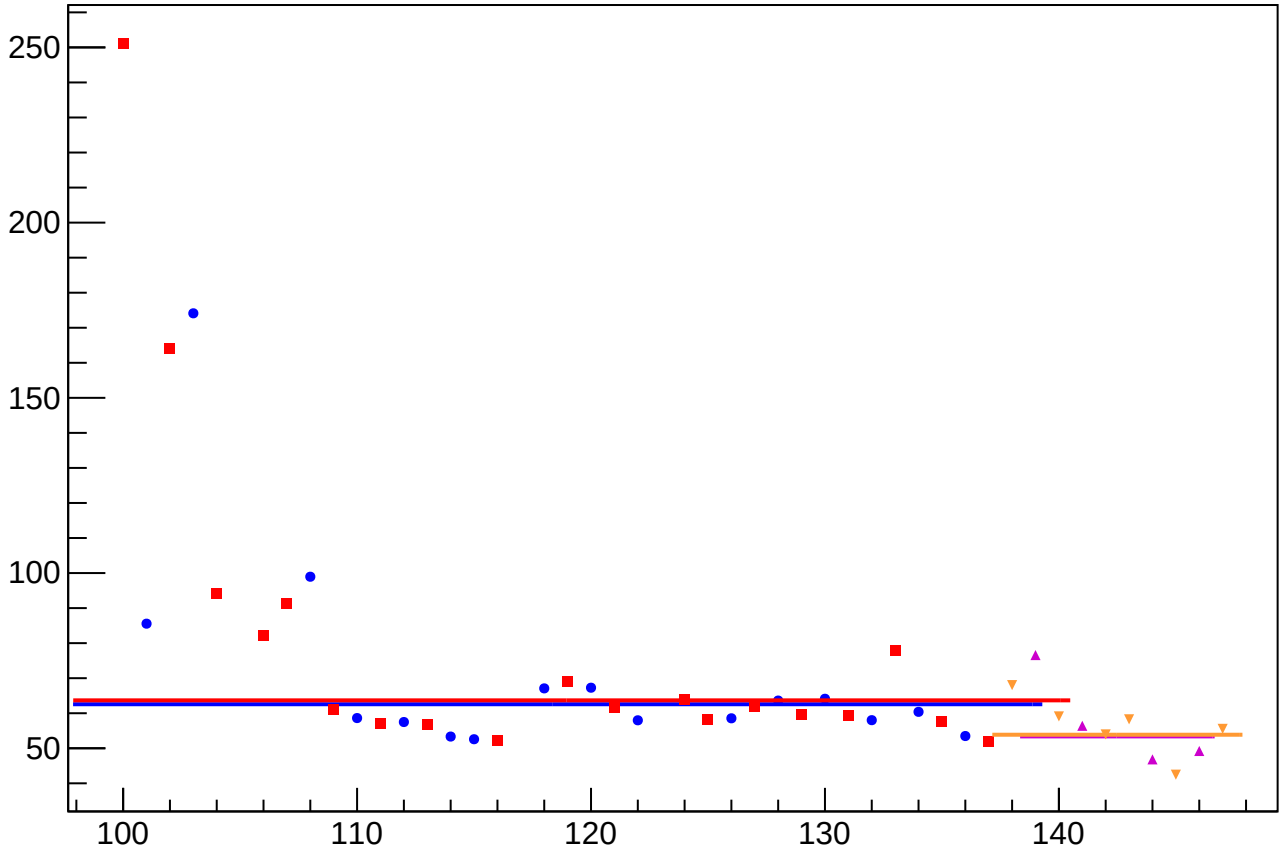
Left In: 79.531+/-29.021 χ^2/NDF:0.7/3

+ sign 16.555+/-17.682 χ^2/NDF: 25.0/21

All: 5.206+/-12.843 χ^2/NDF: 67.2/44

- sign -7.468+/-18.685 χ^2/NDF: 41.4/22

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

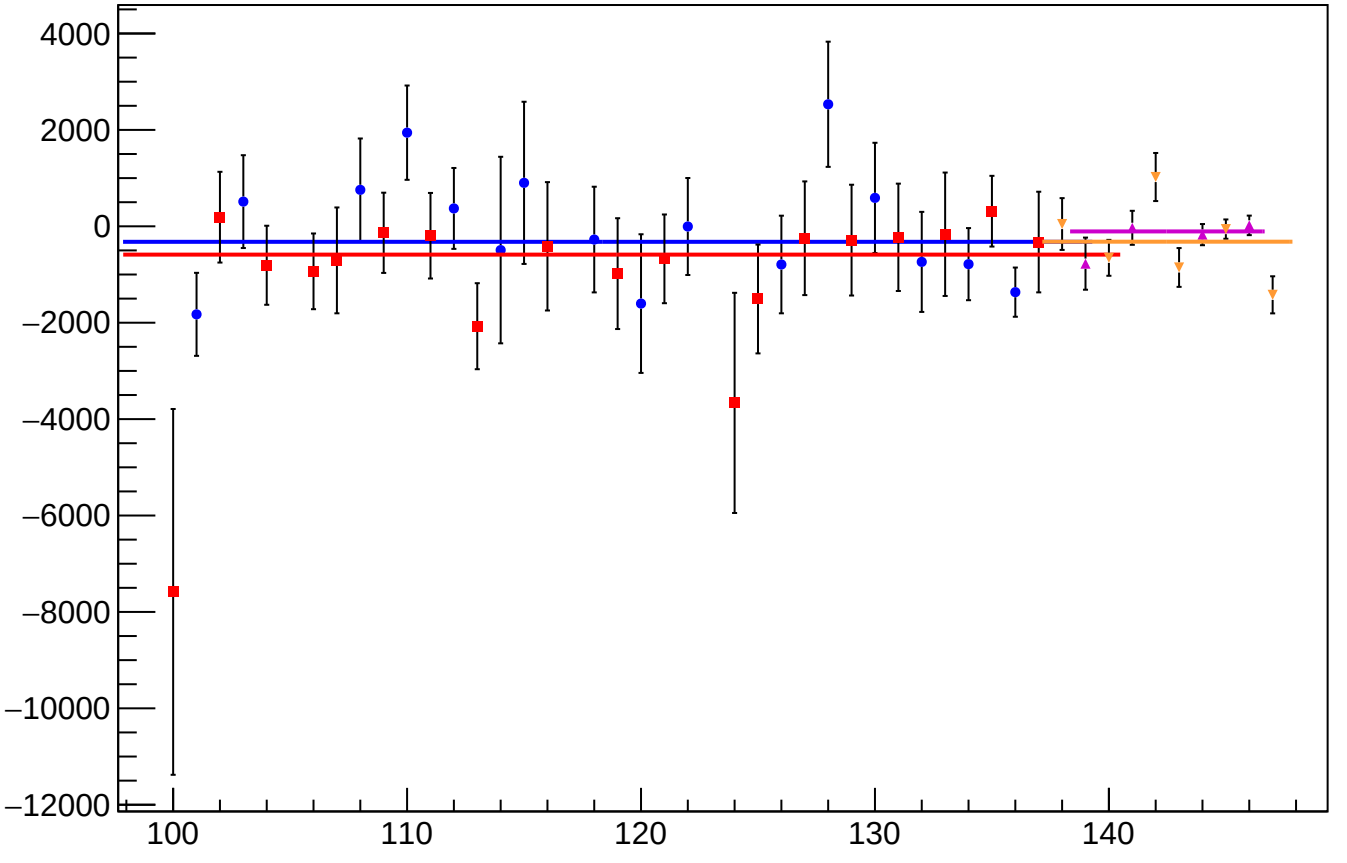
Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.507+/-0.013 χ^2/NDF: 1082587.6/21

All: 58.934+/-0.009 χ^2/NDF: 2270379.4/44

- sign 59.410+/-0.013 χ^2/NDF: 1185325.0/22

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

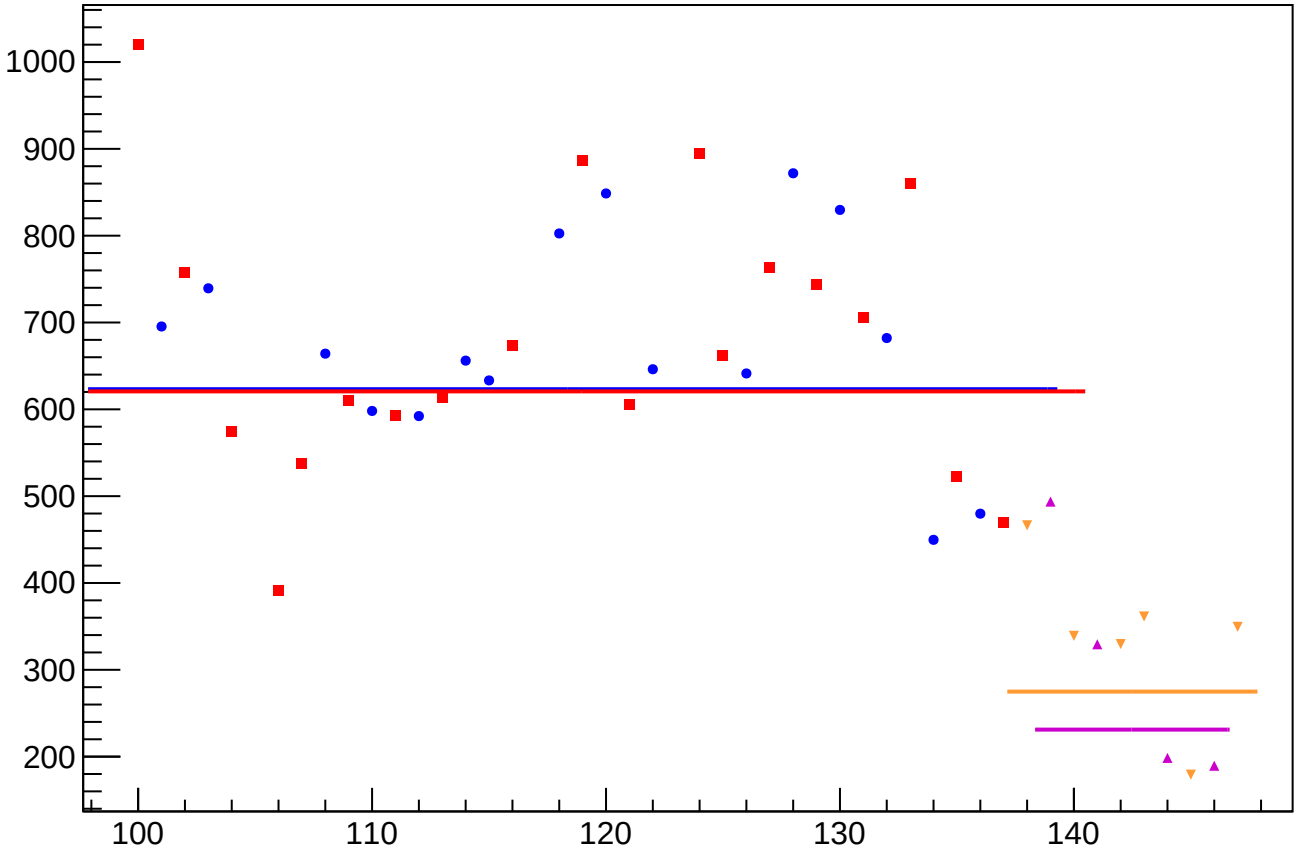
Left In: -106.115+/-132.960 χ^2/NDF:2.1/3

+ sign -319.627+/-119.412 χ^2/NDF: 42.9/21

All: -269.996+/-83.061 χ^2/NDF: 60.7/44

- sign -223.474+/-115.611 χ^2/NDF: 17.4/22

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

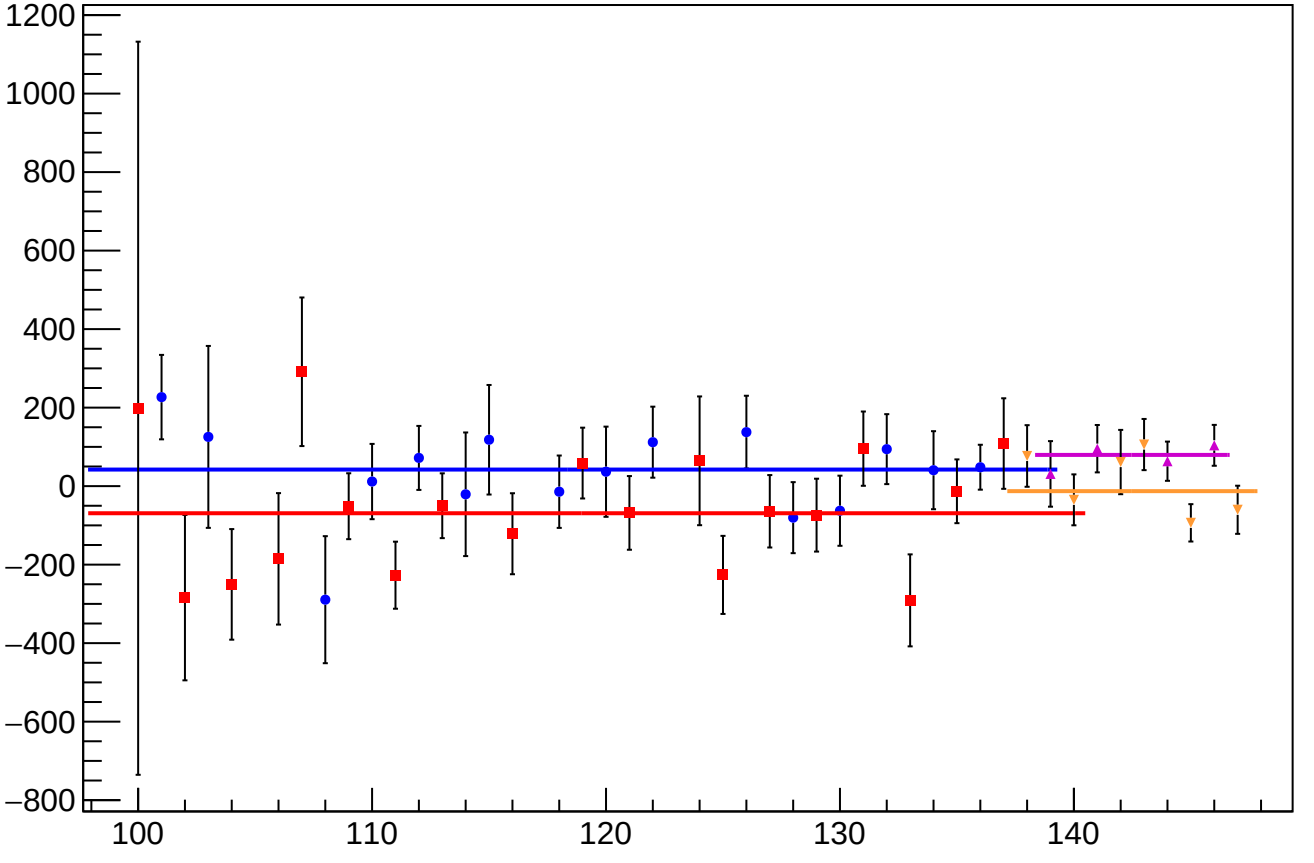
Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

+ sign 362.231+/-0.084 χ^2/NDF: 4722947.4/21

All: 343.610+/-0.059 χ^2/NDF: 10370939.0/44

- sign 326.155+/-0.082 χ^2/NDF: 5553769.3/22

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

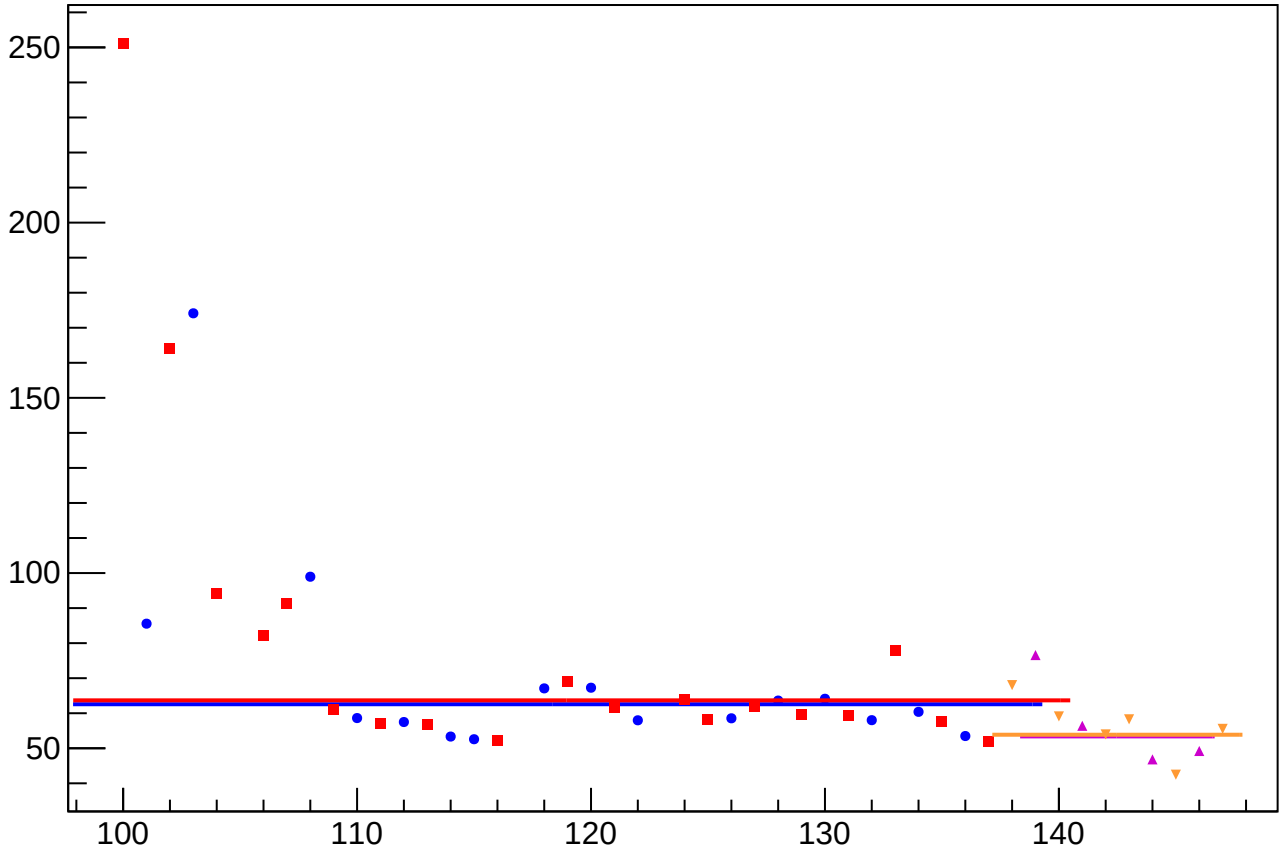
Left In: 79.531+/-29.021 χ^2/NDF:0.7/3

+ sign 16.555+/-17.682 χ^2/NDF: 25.0/21

All: 5.206+/-12.843 χ^2/NDF: 67.2/44

- sign -7.468+/-18.685 χ^2/NDF: 41.4/22

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

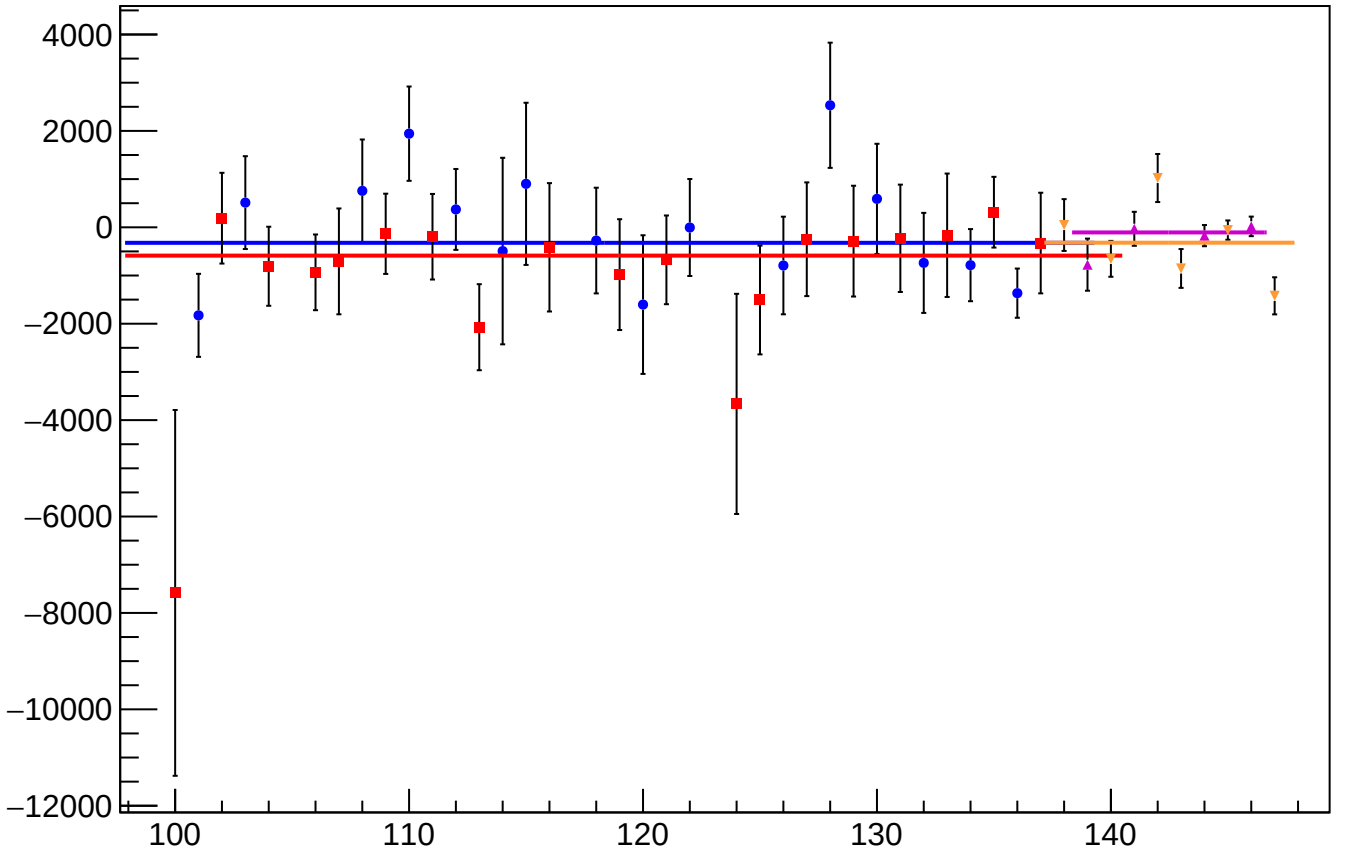
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.507+/-0.013 χ^2/NDF: 1082587.6/21

All: 58.934+/-0.009 χ^2/NDF: 2270379.4/44

- sign 59.410+/-0.013 χ^2/NDF: 1185325.0/22



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

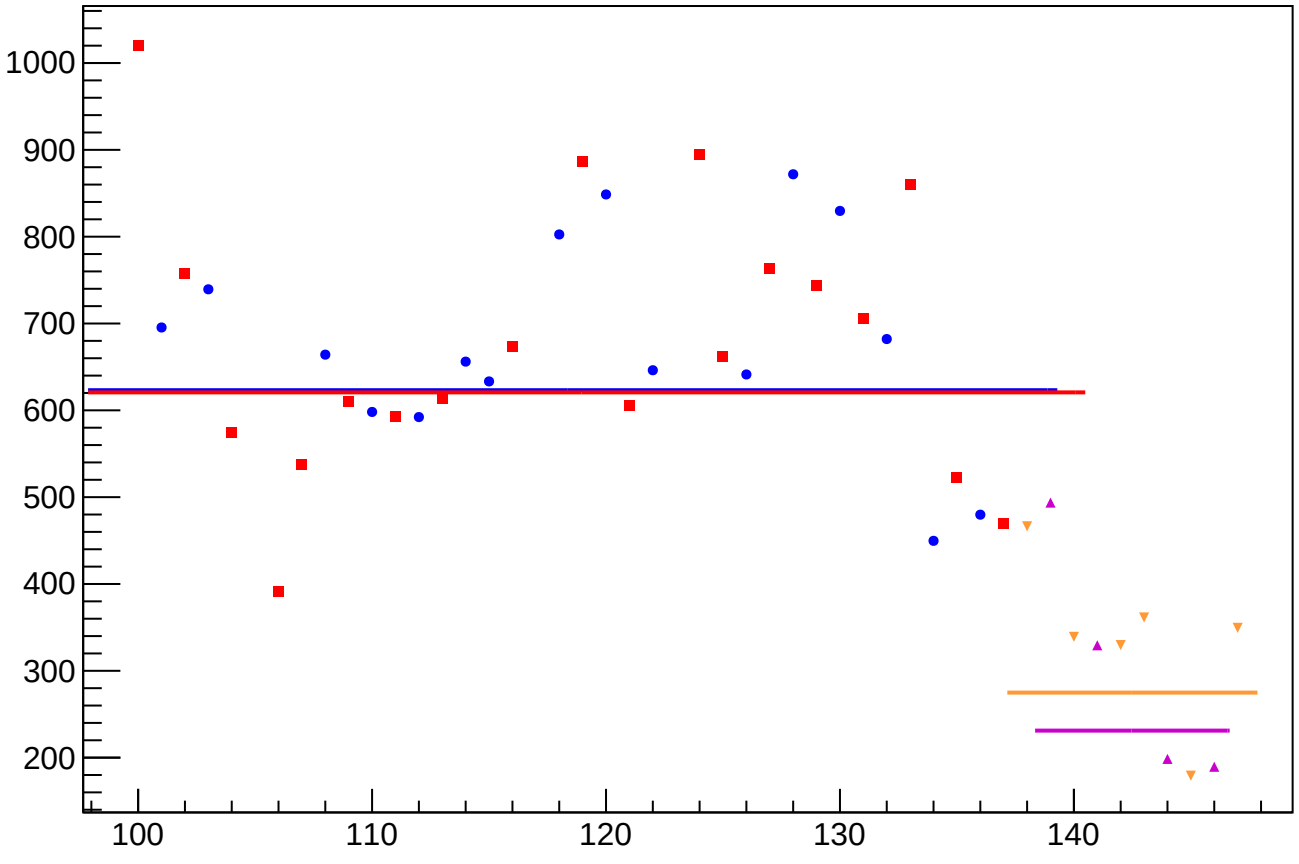
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -106.115+/-132.960 χ^2/NDF:2.1/3

+ sign -319.627+/-119.412 χ^2/NDF: 42.9/21

All: -269.996+/-83.061 χ^2/NDF: 60.7/44

- sign -223.474+/-115.611 χ^2/NDF: 17.4/22



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

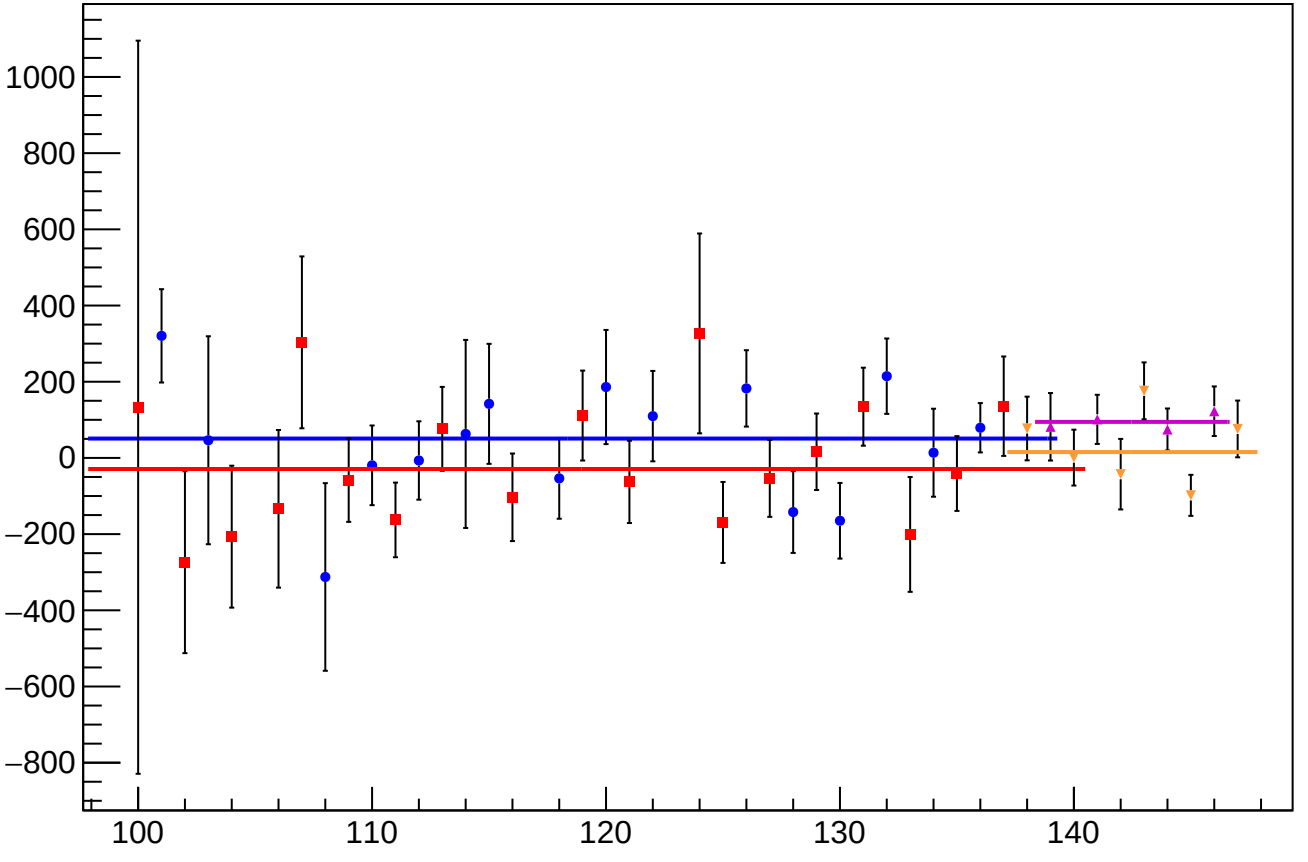
Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

+ sign 362.231+/-0.084 χ^2/NDF: 4722947.4/21

All: 343.610+/-0.059 χ^2/NDF: 10370939.0/44

- sign 326.155+/-0.082 χ^2/NDF: 5553769.3/22

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.406+/-29.486 χ^2/NDF:10.7/5

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

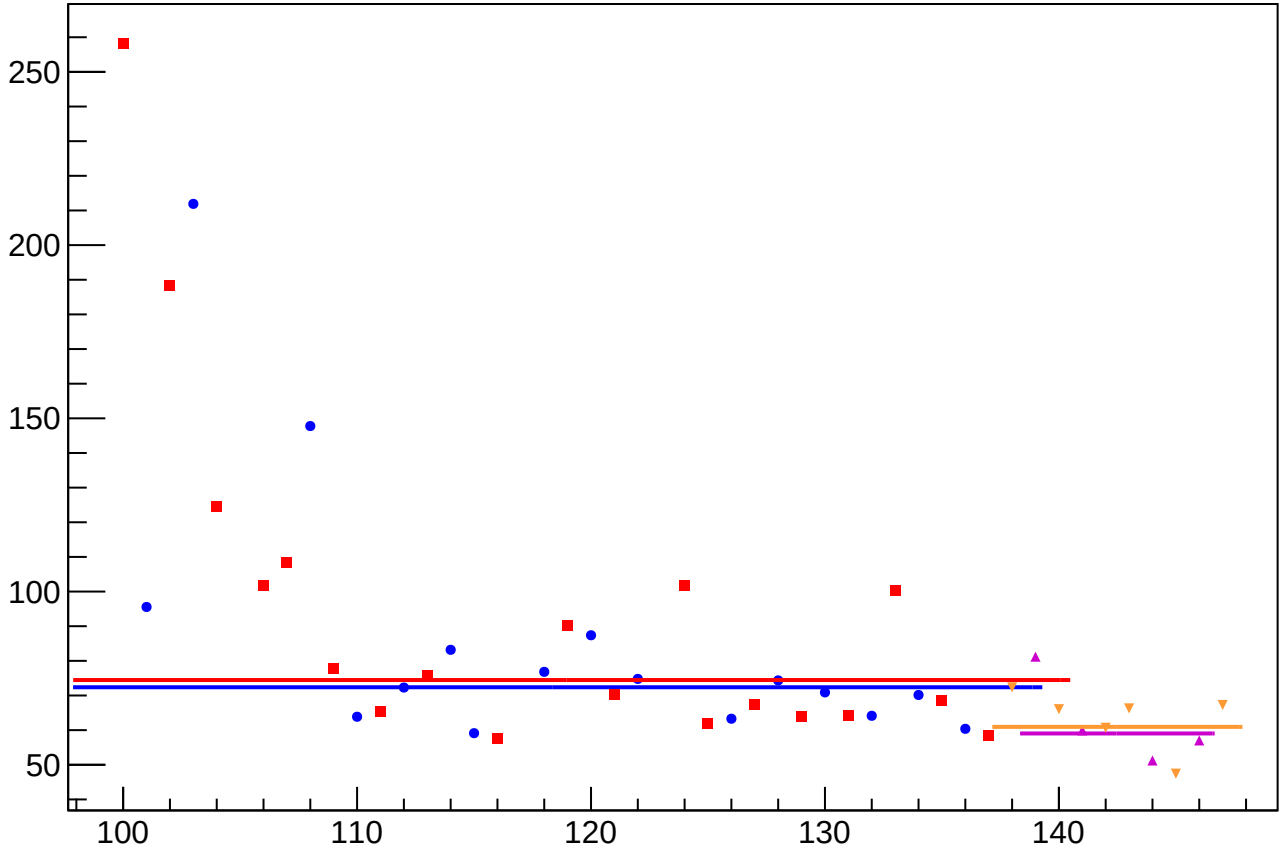
Left In: 94.597+/-32.736 χ^2/NDF:0.3/3

+ sign 33.840+/-20.423 χ^2/NDF: 34.3/21

All: 29.744+/-14.863 χ^2/NDF: 61.3/44

- sign 25.134+/-21.669 χ^2/NDF: 26.9/22

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.939+/-0.021 χ^2/NDF:197327.7/5

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

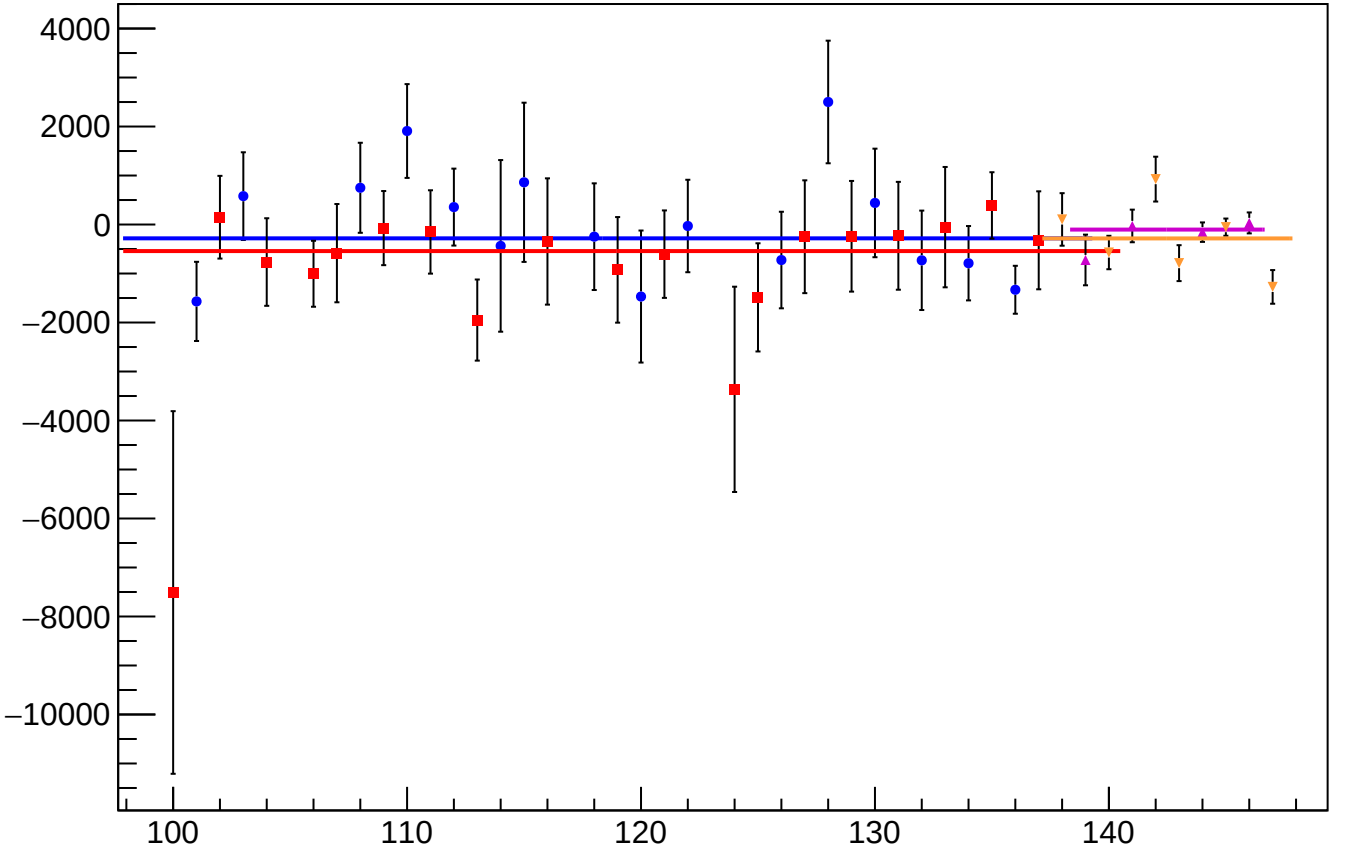
Left In: 59.040+/-0.023 χ^2/NDF:167626.2/3

+ sign 66.890+/-0.014 χ^2/NDF: 1292082.5/21

All: 67.273+/-0.011 χ^2/NDF: 2762938.2/44

- sign 67.705+/-0.015 χ^2/NDF: 1469355.8/22

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.821+/-123.796 χ^2/NDF:20.1/5

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

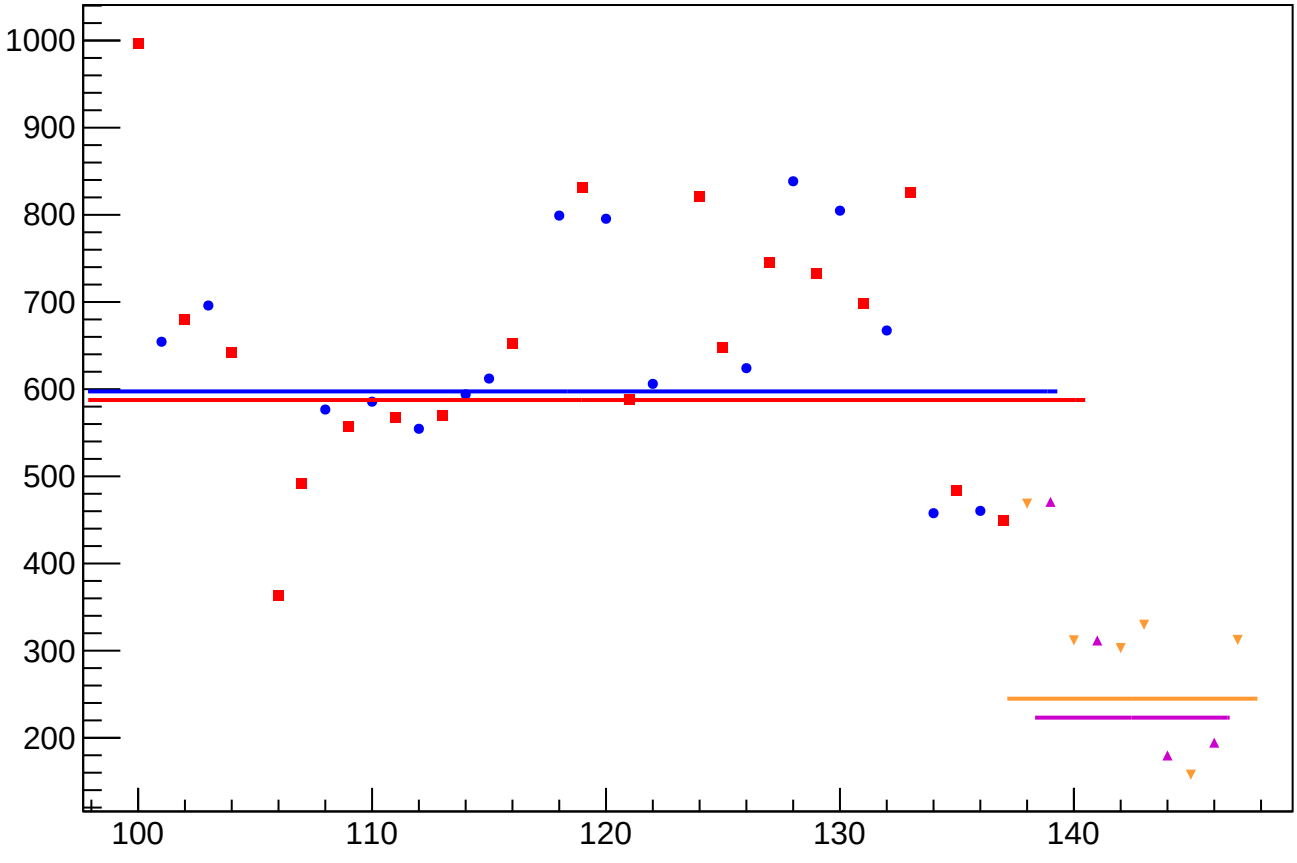
Left In: -103.341+/-129.136 χ^2/NDF:2.0/3

+ sign -283.415+/-108.770 χ^2/NDF: 42.9/21

All: -250.085+/-77.854 χ^2/NDF: 61.3/44

- sign -215.072+/-111.484 χ^2/NDF: 18.2/22

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 244.921+/-0.088 χ^2/NDF:1135723.2/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

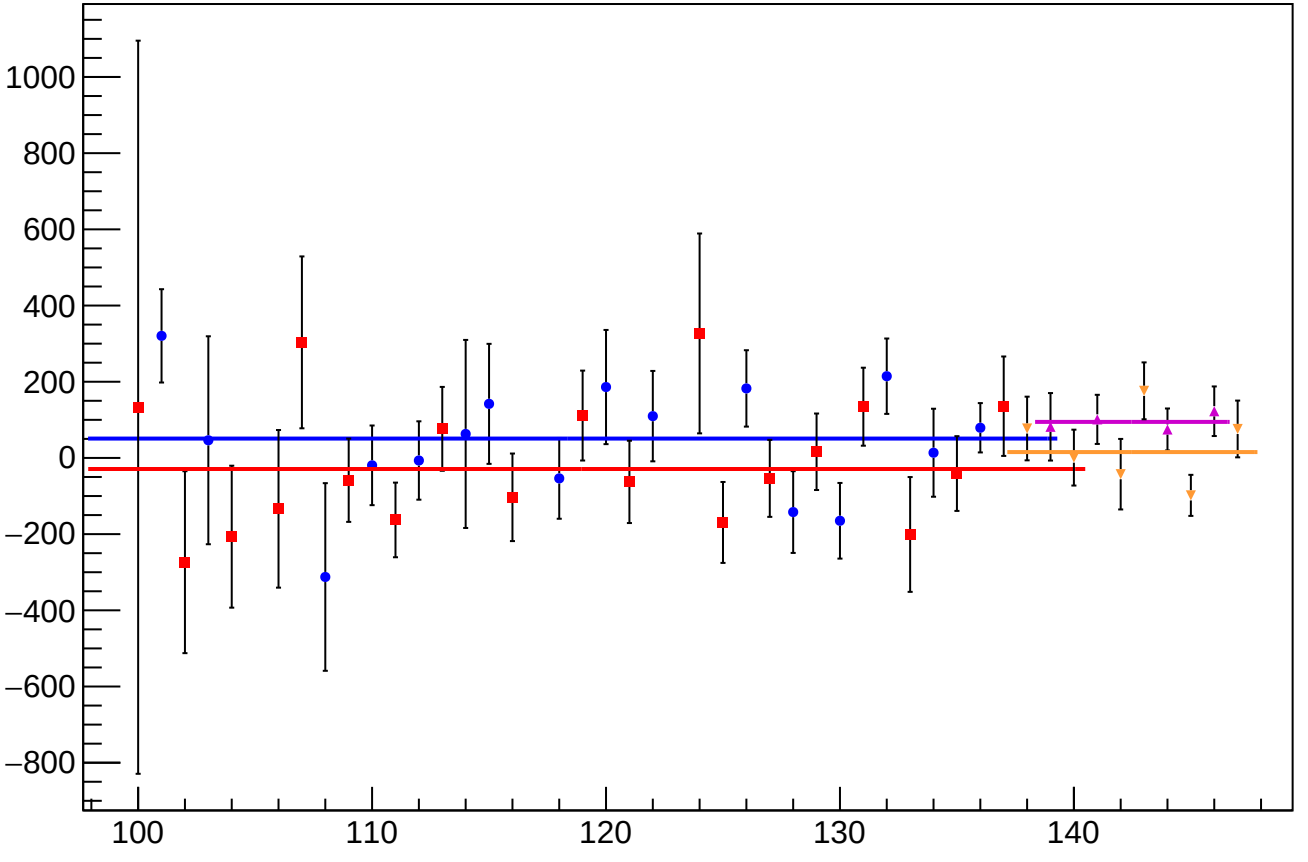
Left In: 223.172+/-0.091 χ^2/NDF:731309.2/3

+ sign 325.299+/-0.077 χ^2/NDF: 5367241.6/21

All: 320.755+/-0.055 χ^2/NDF: 10850724.5/44

- sign 315.981+/-0.079 χ^2/NDF: 5476325.7/22

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.407+/-29.486 χ^2/NDF:10.7/5

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

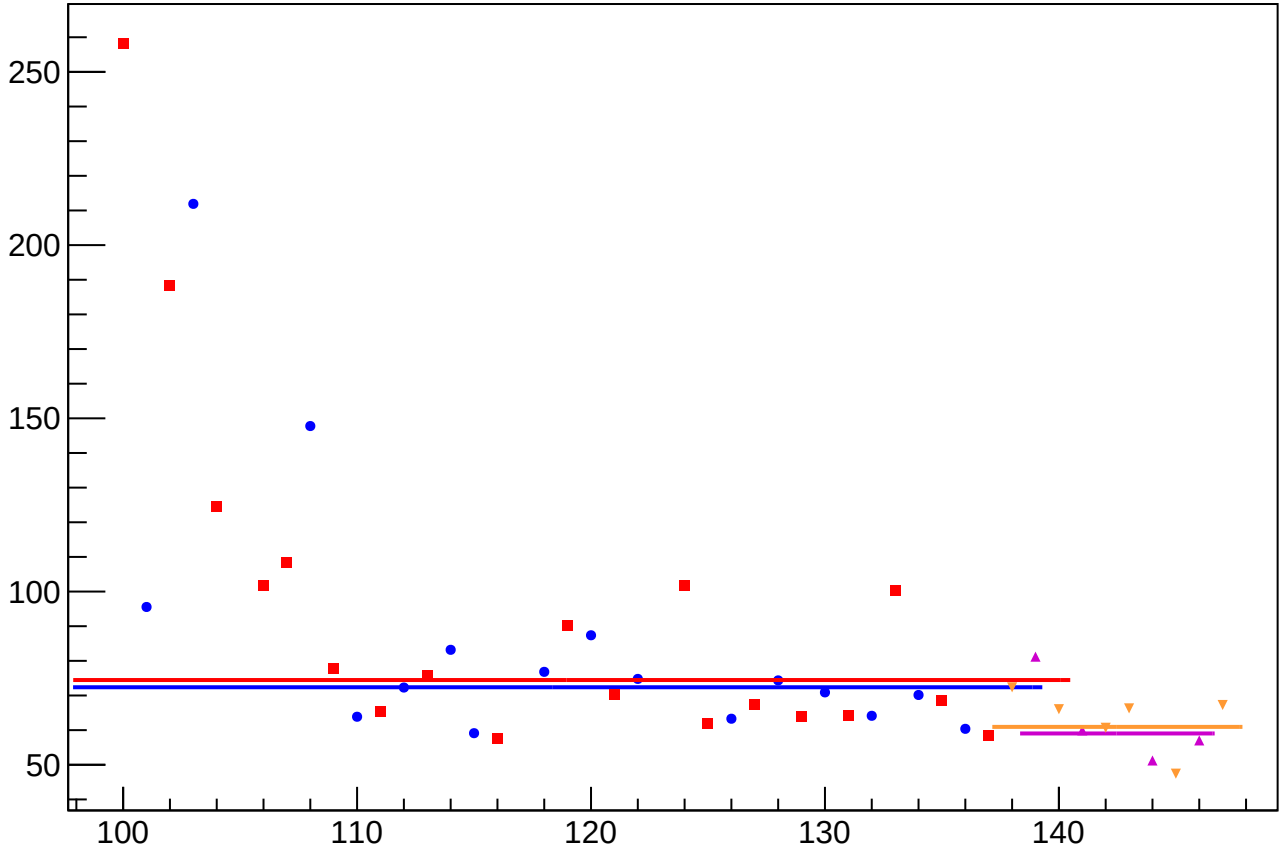
Left In: 94.596+/-32.736 χ^2/NDF:0.3/3

\+ sign 33.840+/-20.423 χ^2/NDF: 34.3/21

All: 29.745+/-14.863 χ^2/NDF: 61.3/44

\- sign 25.134+/-21.669 χ^2/NDF: 26.9/22

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.939+/-0.021 χ^2/NDF:197335.9/5

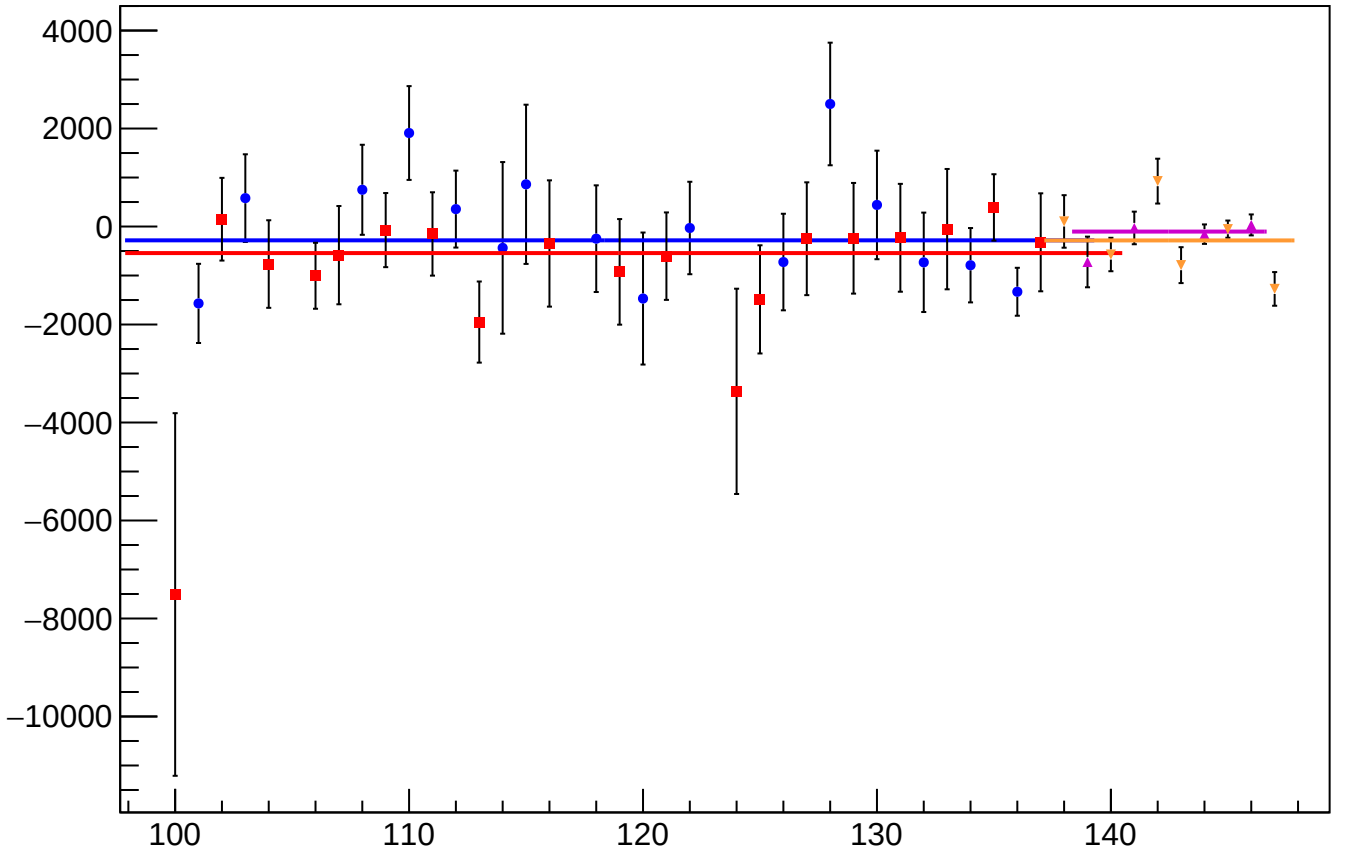
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.8/3

+ sign 66.890+/-0.014 χ^2/NDF: 1292090.2/21

All: 67.273+/-0.011 χ^2/NDF: 2762941.3/44

- sign 67.705+/-0.015 χ^2/NDF: 1469351.3/22



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.822+/-123.795 χ^2/NDF:20.1/5

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

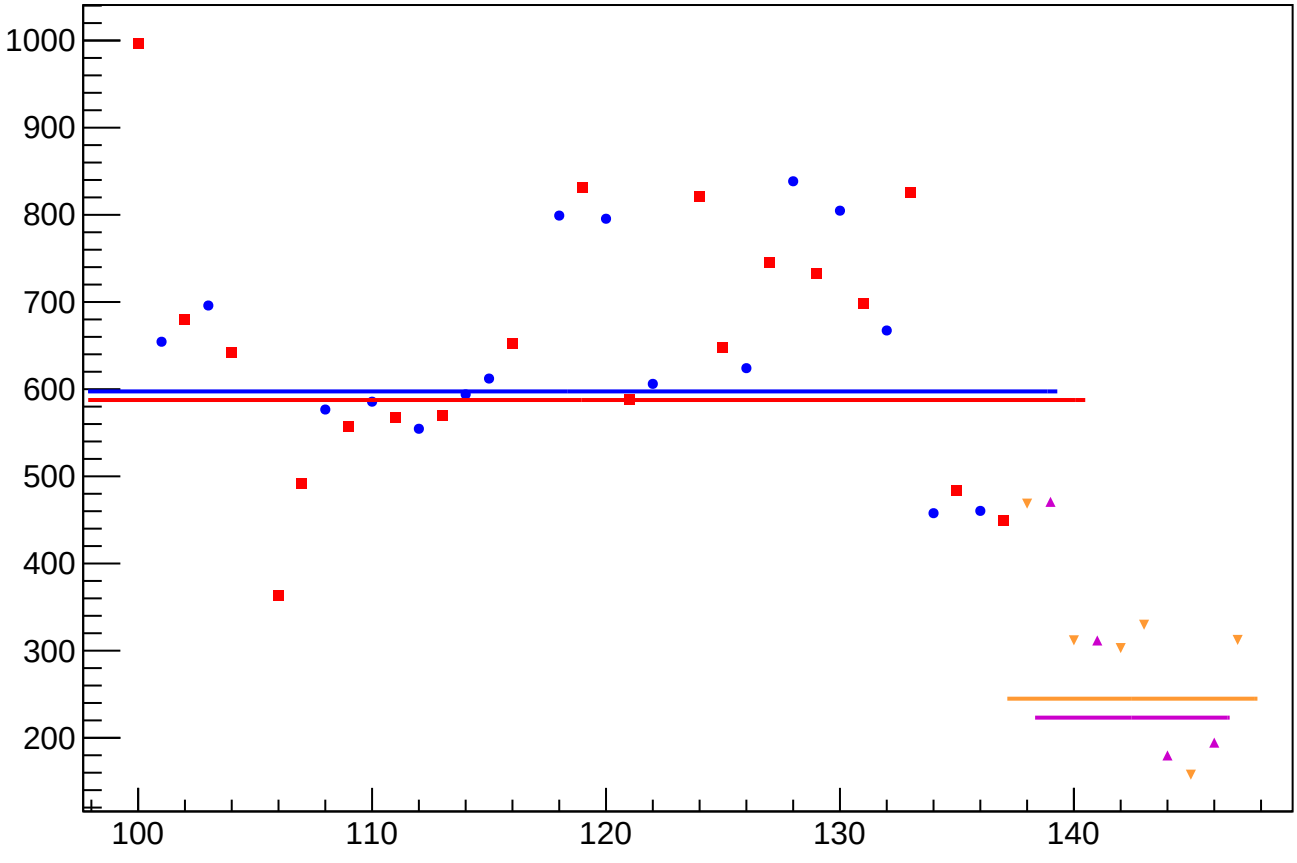
Left In: -103.341+/-129.136 χ^2/NDF:2.0/3

+ sign -283.415+/-108.770 χ^2/NDF: 42.9/21

All: -250.086+/-77.854 χ^2/NDF: 61.3/44

- sign -215.072+/-111.484 χ^2/NDF: 18.2/22

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 244.921+/-0.088 χ^2/NDF:1135720.1/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

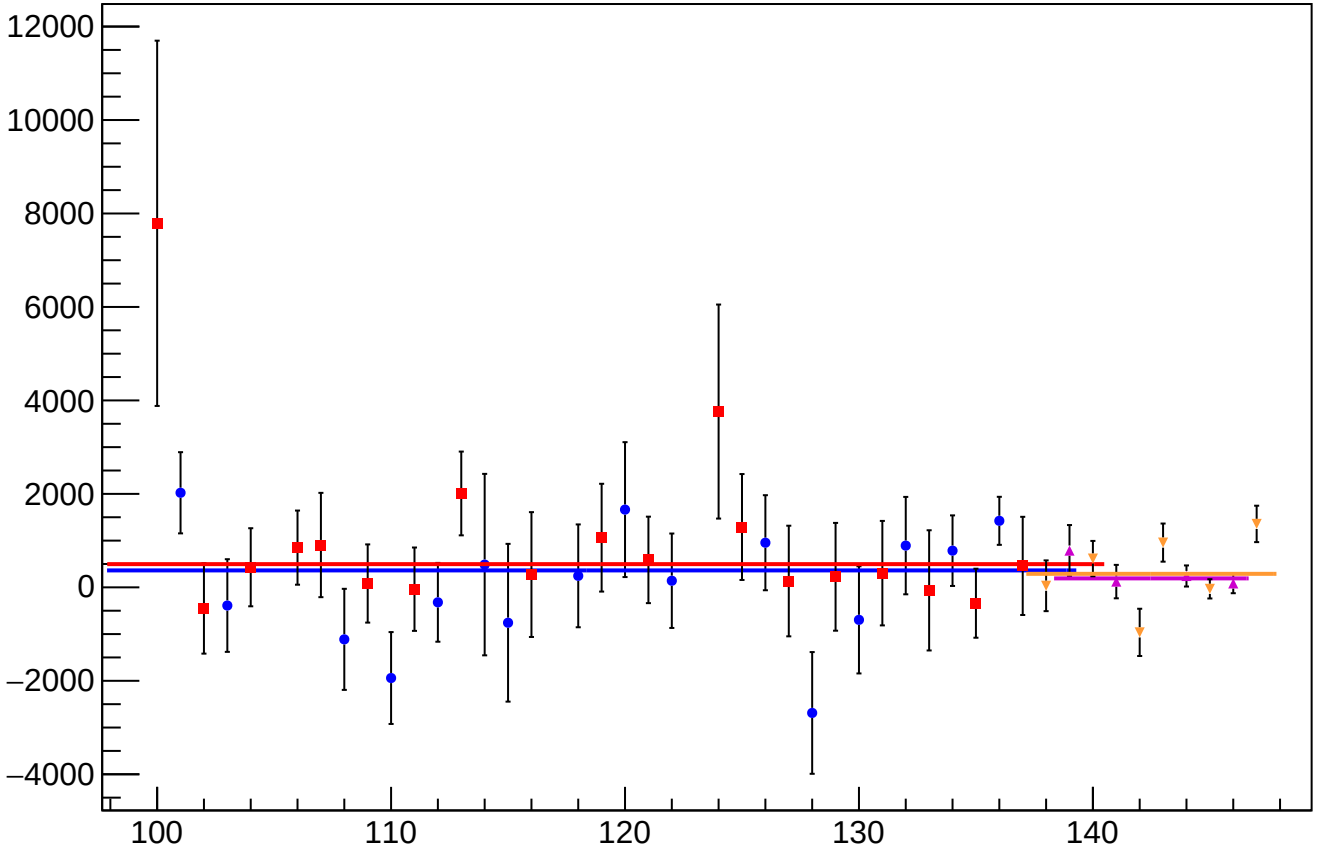
Left In: 223.172+/-0.091 χ^2/NDF:731309.7/3

+ sign 325.299+/-0.077 χ^2/NDF: 5367241.1/21

All: 320.755+/-0.055 χ^2/NDF: 10850722.1/44

- sign 315.981+/-0.079 χ^2/NDF: 5476323.6/22

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 289.093+/-140.771 χ^2/NDF:19.7/5

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

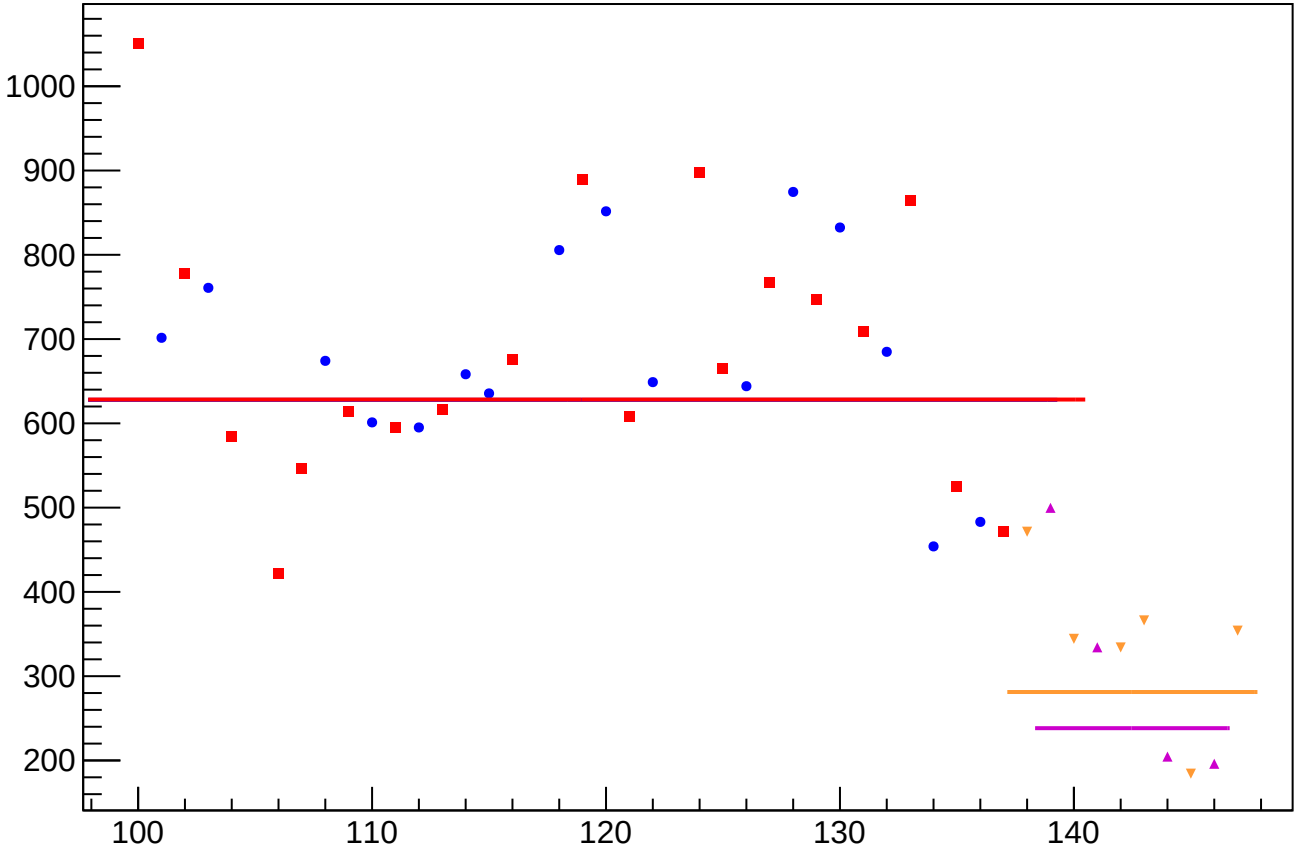
Left In: 191.682+/-136.643 χ^2/NDF:1.5/3

+ sign 307.818+/-121.464 χ^2/NDF: 44.9/21

All: 287.496+/-84.731 χ^2/NDF: 60.4/44

- sign 268.233+/-118.256 χ^2/NDF: 15.5/22

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 281.223+/-0.100 χ^2/NDF:922130.8/5

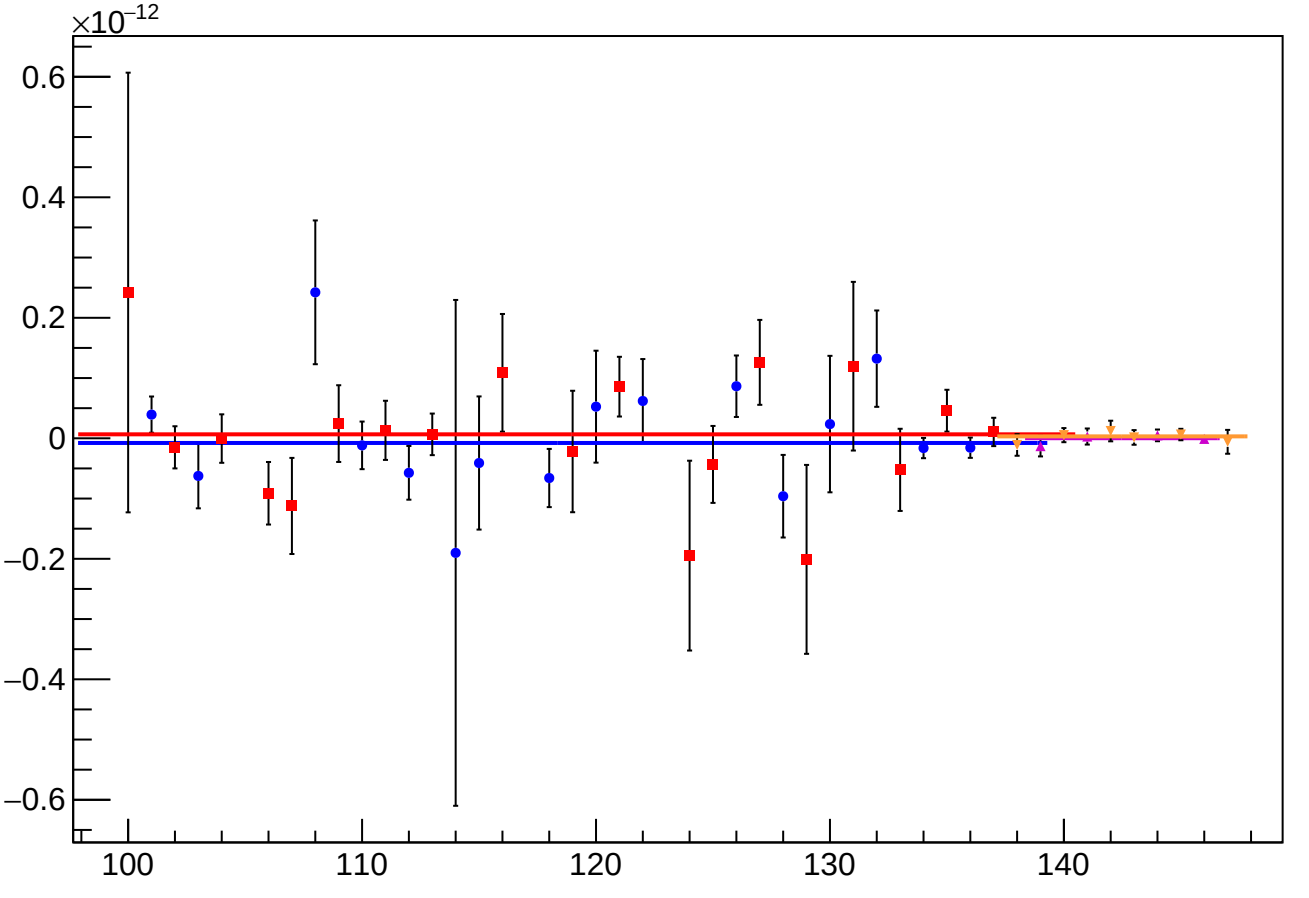
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 238.299+/-0.097 χ^2/NDF:726448.2/3

+ sign 369.795+/-0.086 χ^2/NDF: 4587930.2/21

All: 352.541+/-0.060 χ^2/NDF: 10052690.7/44

- sign 336.186+/-0.084 χ^2/NDF: 5386150.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/5

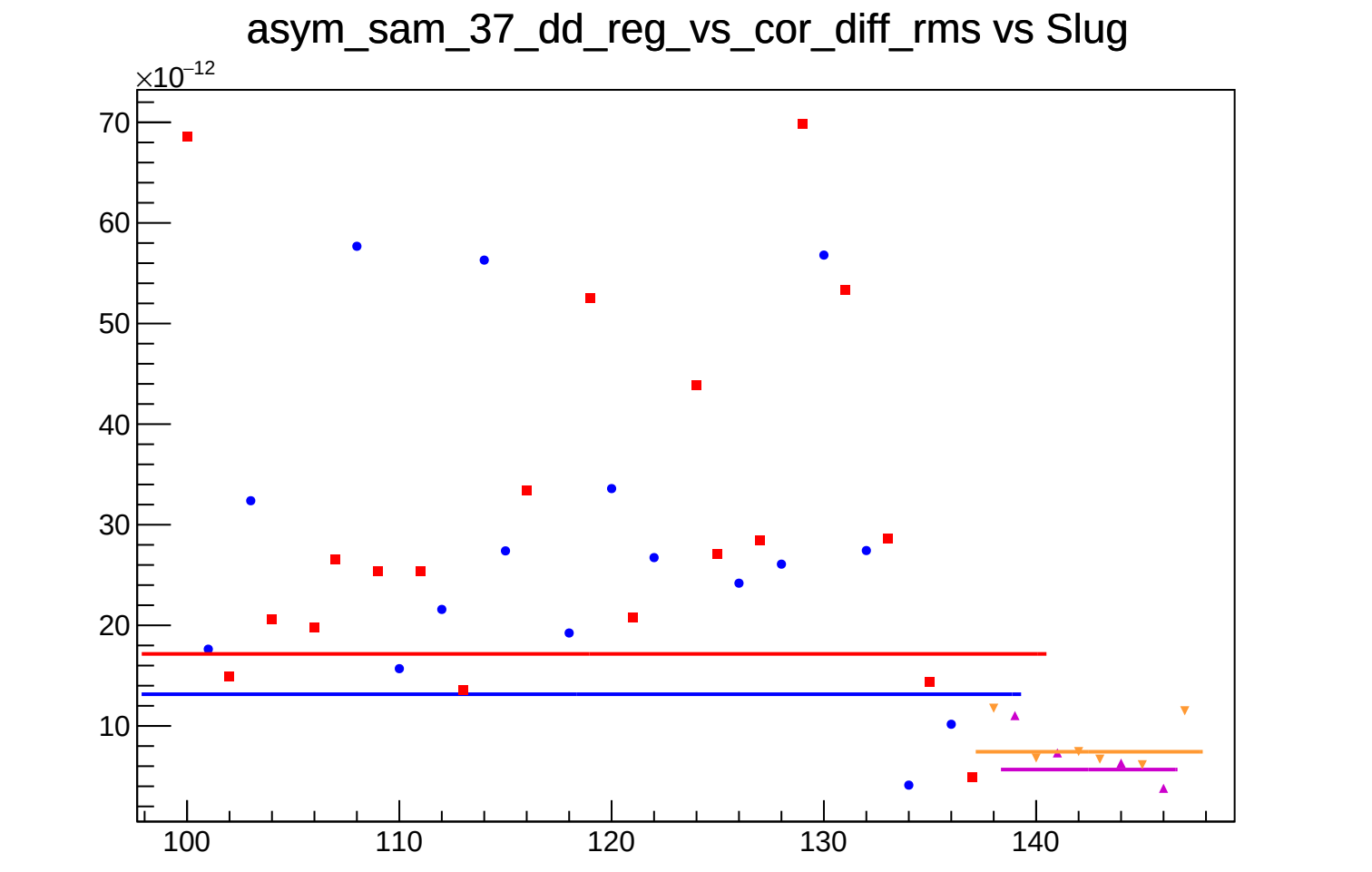
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/21

All: 0.000+/-0.000 χ^2/NDF: 44.4/44

- sign 0.000+/-0.000 χ^2/NDF: 21.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:250602.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

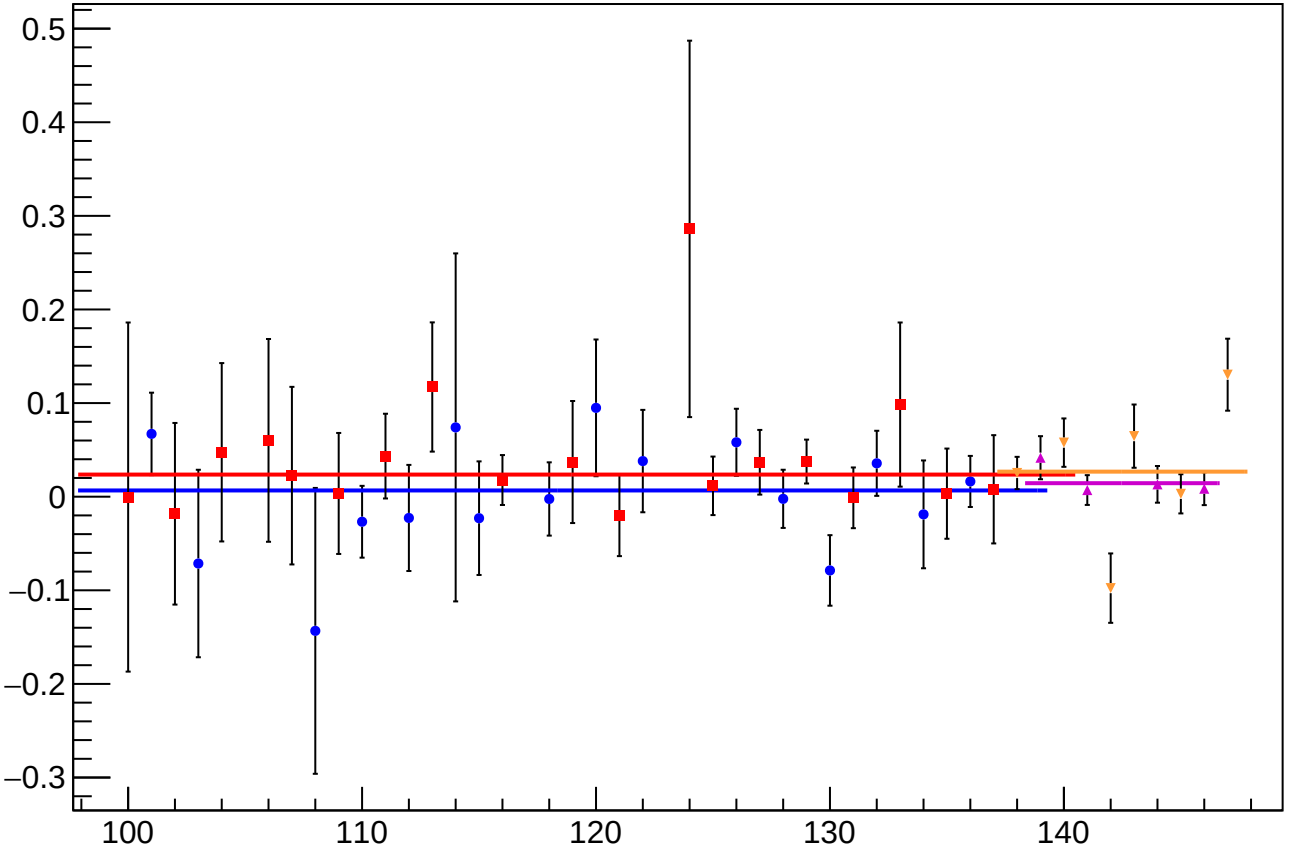
Left In: 0.000+/-0.000 χ^2/NDF:365004.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2892137.3/21

All: 0.000+/-0.000 χ^2/NDF: 6640179.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3670348.1/22

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: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

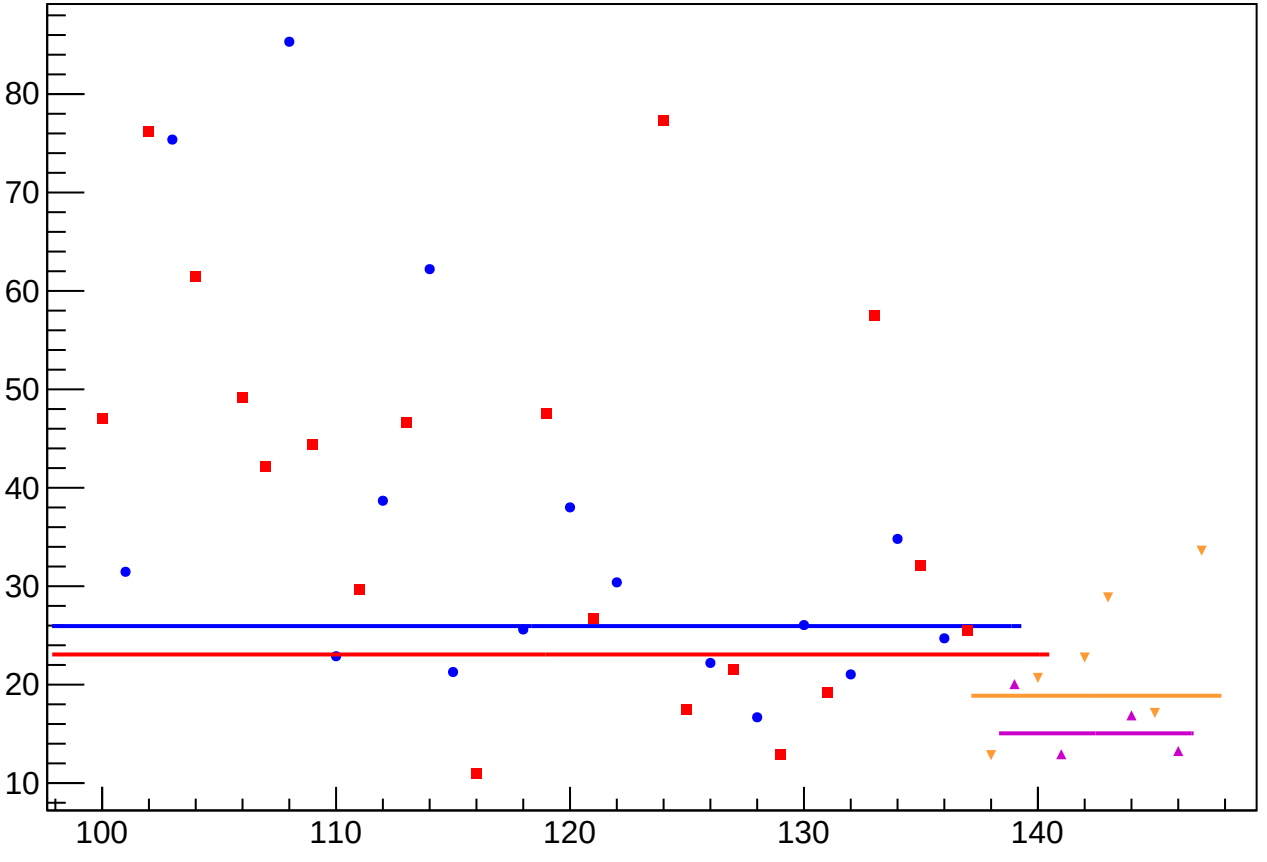
Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.0/44

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22

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: 18.870+/-0.007 χ^2/NDF:759305.9/5

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

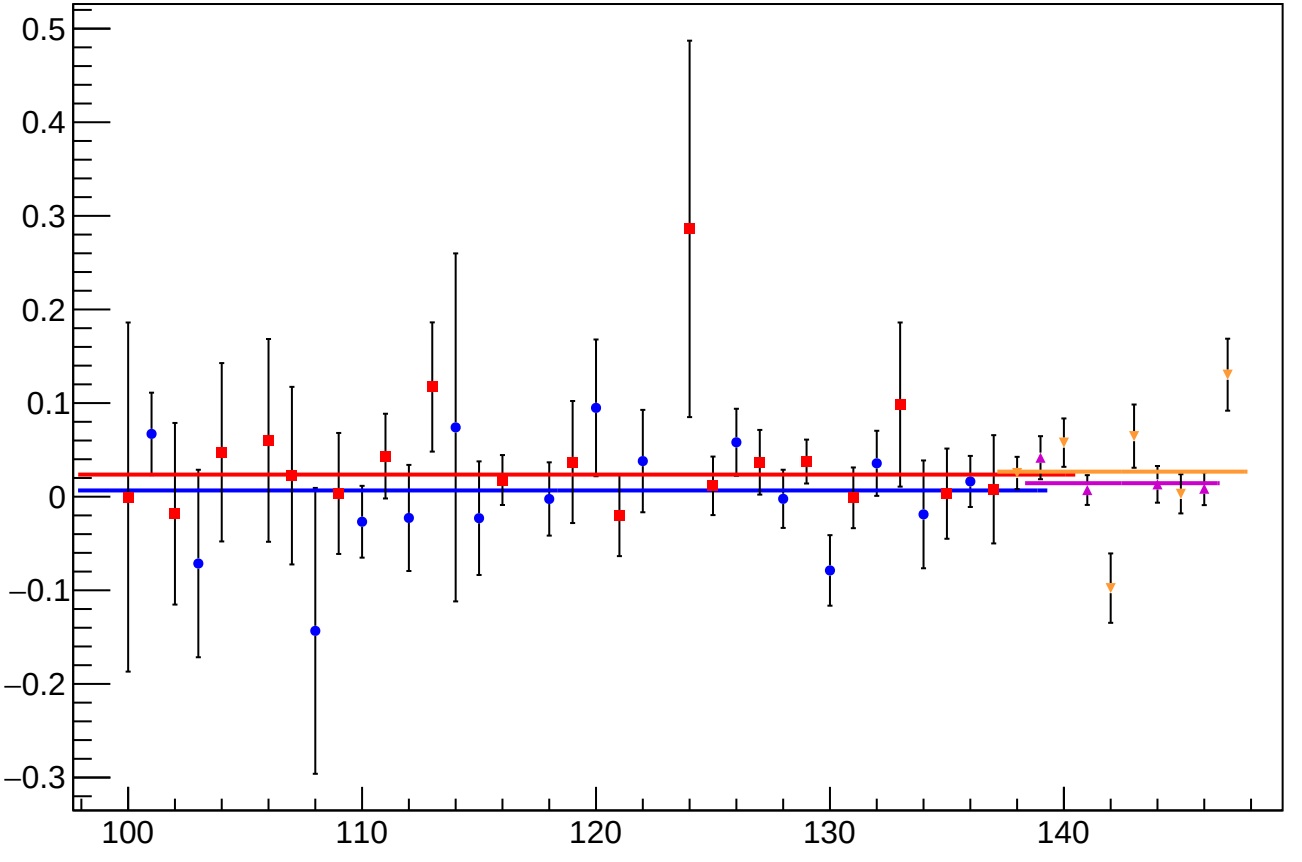
Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

+ sign 22.146+/-0.005 χ^2/NDF: 2577953.3/21

All: 20.196+/-0.004 χ^2/NDF: 7009431.0/44

- sign 18.550+/-0.005 χ^2/NDF: 4185508.7/22

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

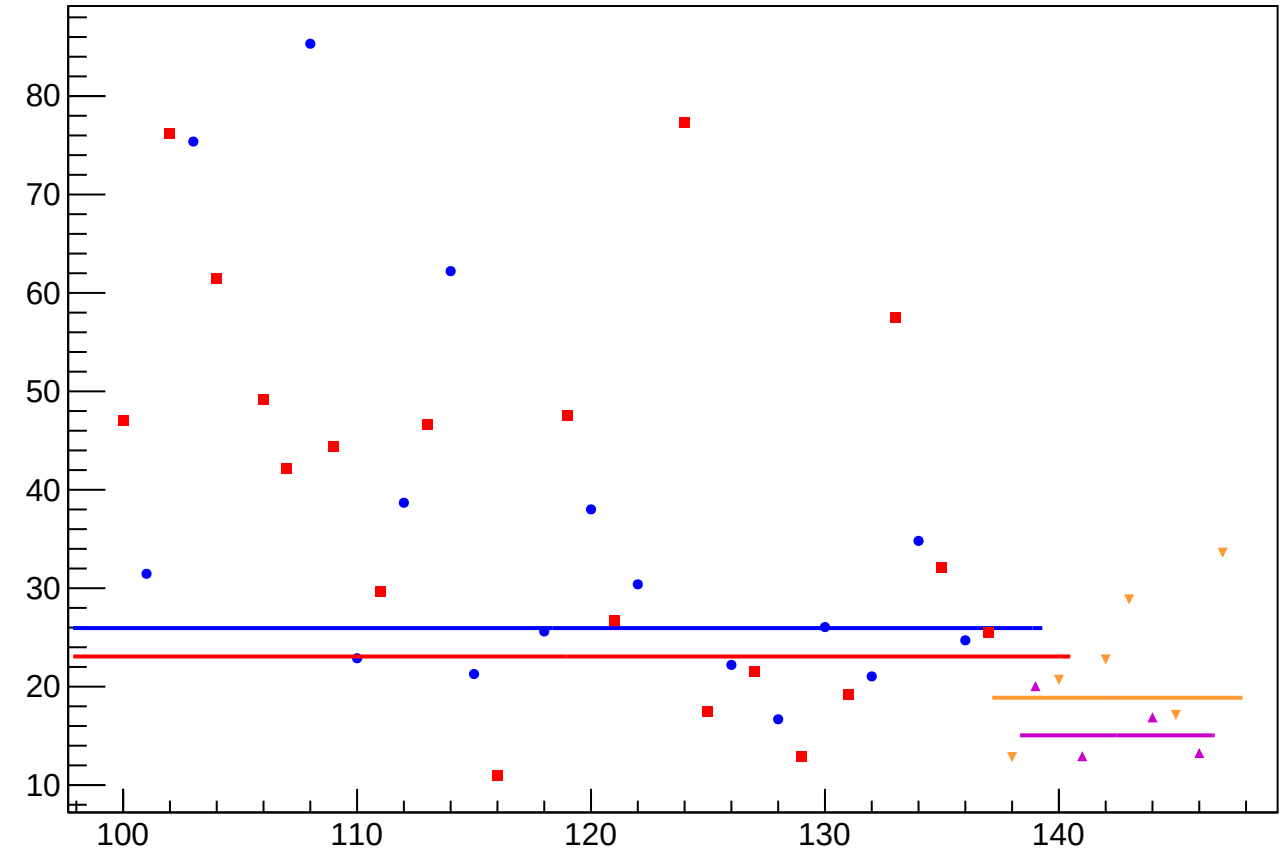
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.0/44

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 18.870+/-0.007 χ^2/NDF:759305.9/5

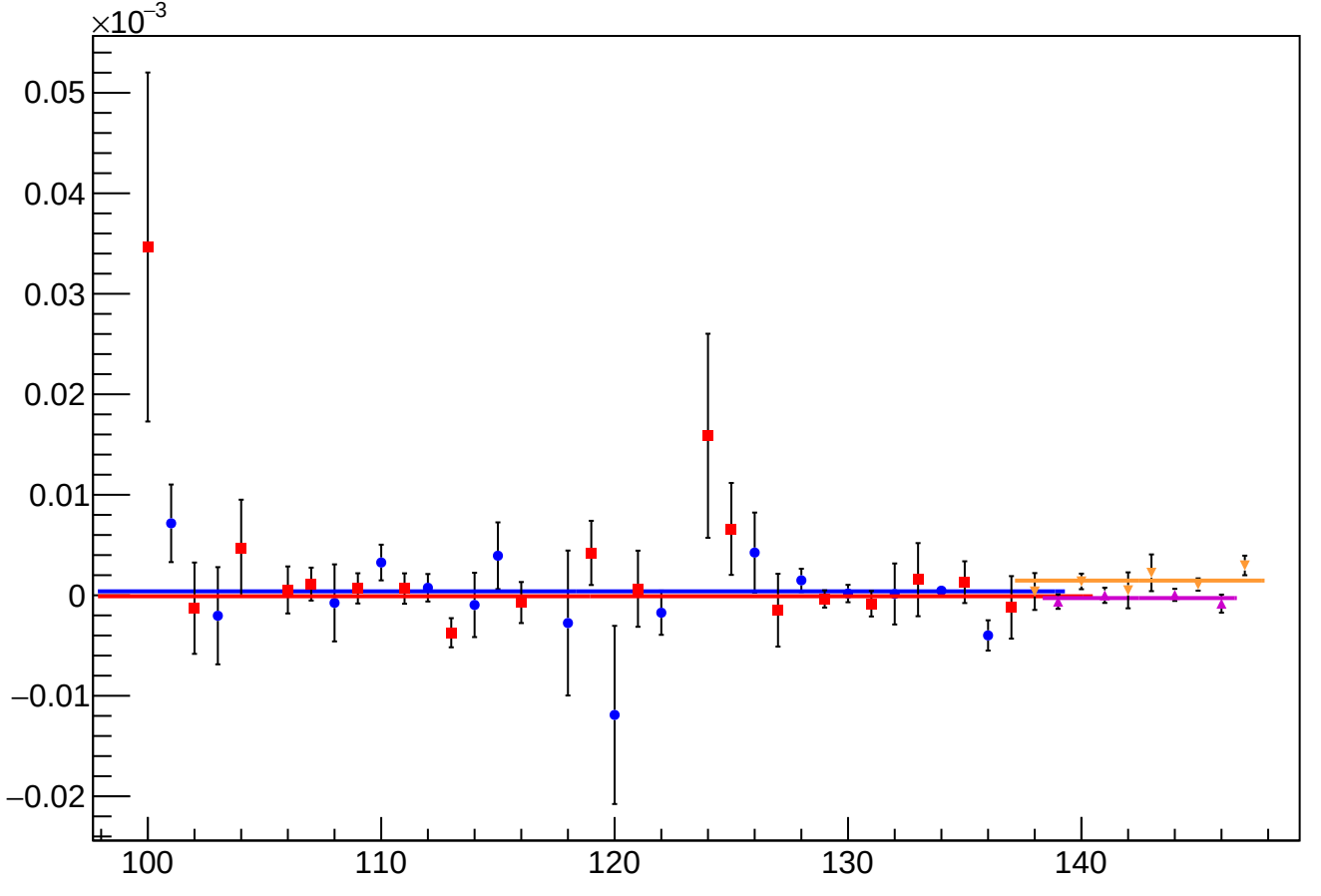
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

+ sign 22.146+/-0.005 χ^2/NDF: 2577953.3/21

All: 20.196+/-0.004 χ^2/NDF: 7009431.0/44

- sign 18.550+/-0.005 χ^2/NDF: 4185508.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

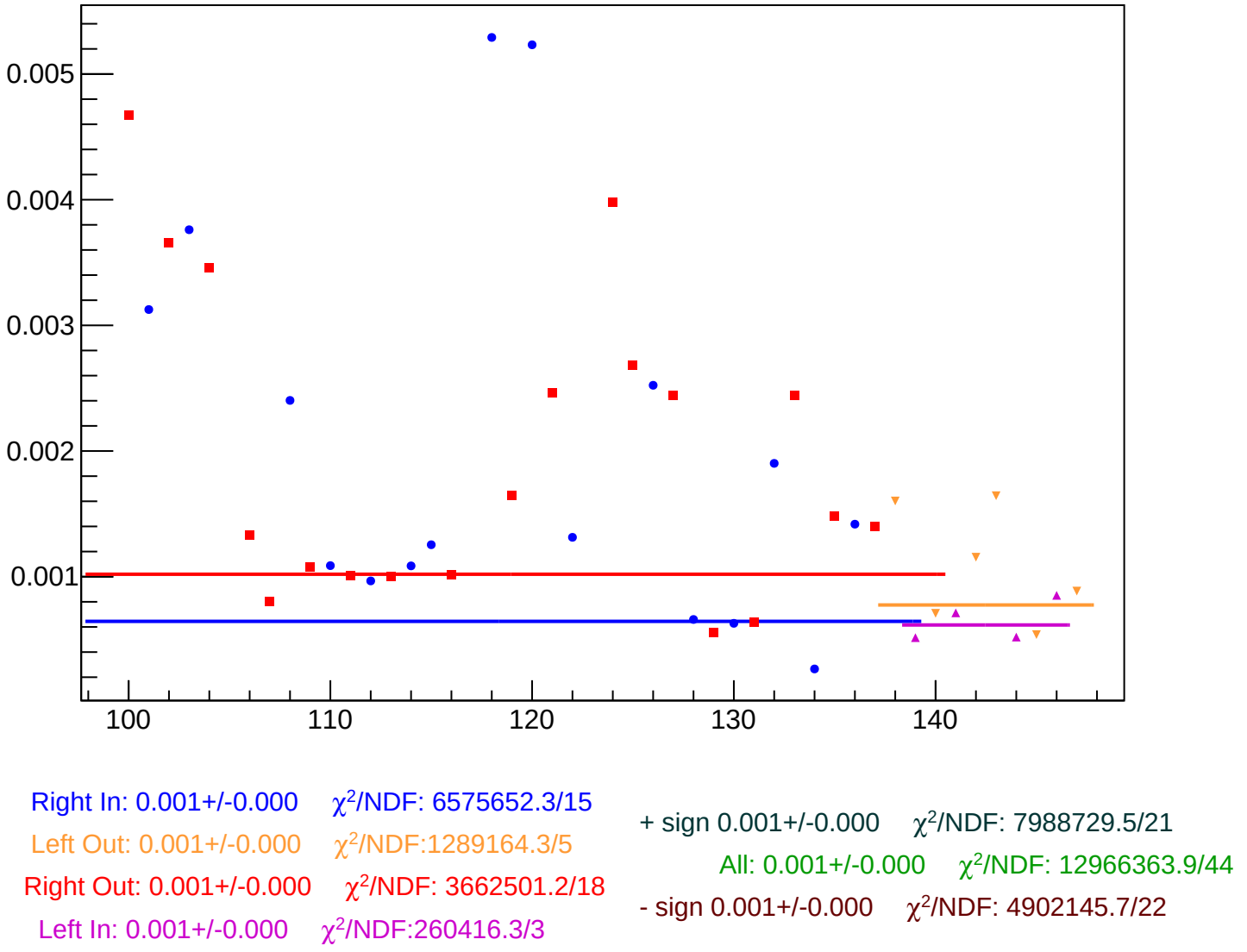
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

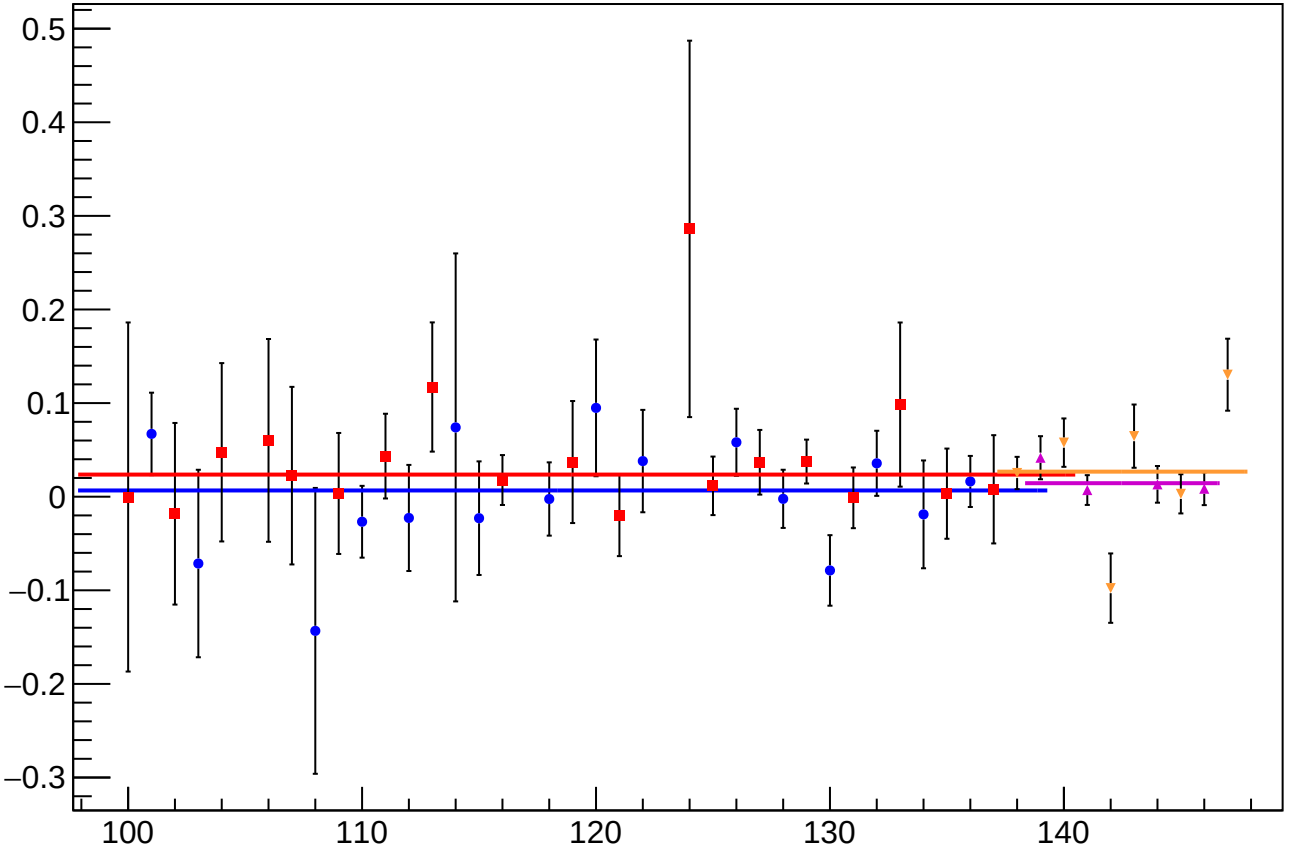
+ sign 0.000+/-0.000 χ^2/NDF: 28.7/21

All: 0.000+/-0.000 χ^2/NDF: 57.8/44

- sign -0.000+/-0.000 χ^2/NDF: 21.6/22


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:1289164.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:260416.3/3
+ sign 0.001+/-0.000 χ²/NDF: 7988729.5/21
All: 0.001+/-0.000 χ²/NDF: 12966363.9/44
- sign 0.001+/-0.000 χ²/NDF: 4902145.7/22

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

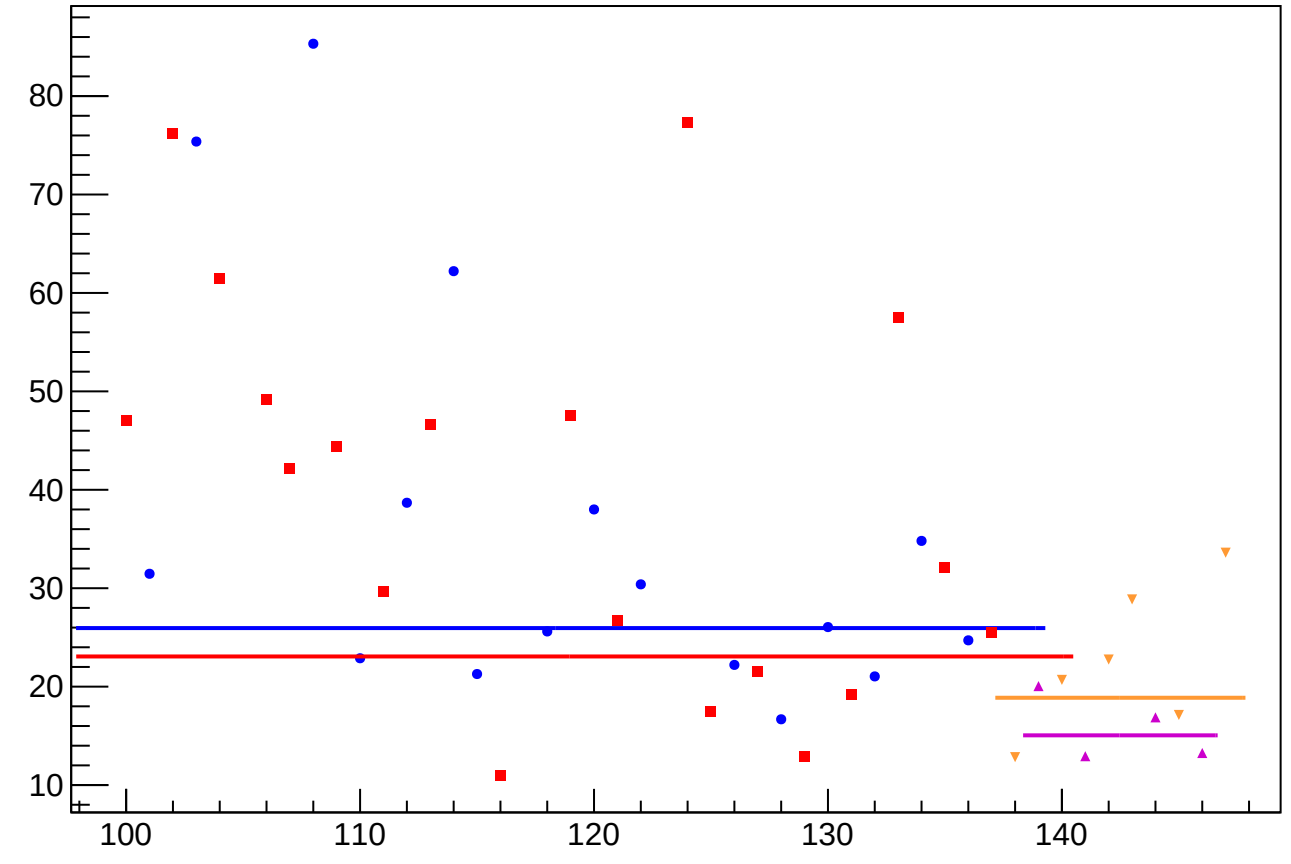
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.0/44

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

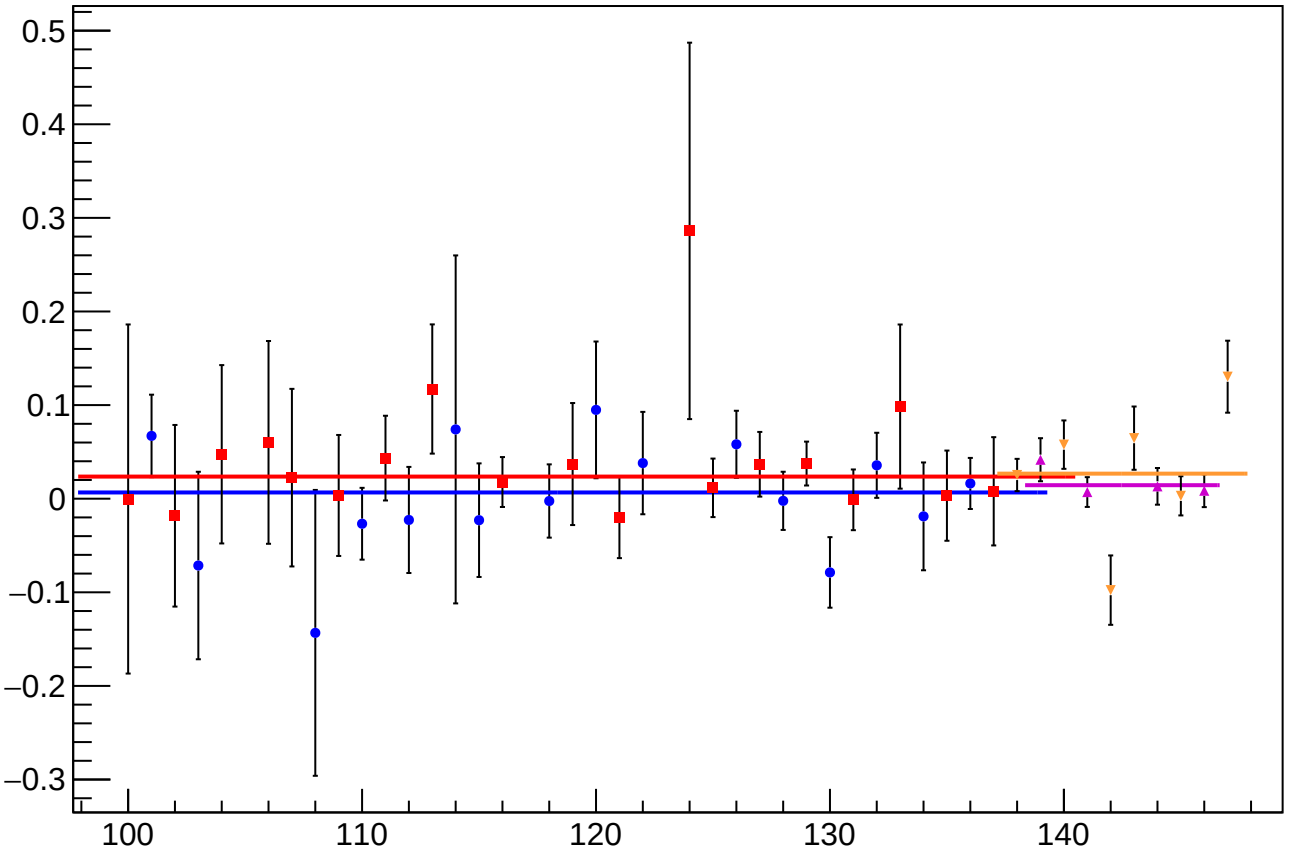
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

\+ sign 22.147+/-0.005 χ^2/NDF: 2577883.7/21

All: 20.197+/-0.004 χ^2/NDF: 7009244.6/44

\- sign 18.550+/-0.005 χ^2/NDF: 4185367.2/22



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

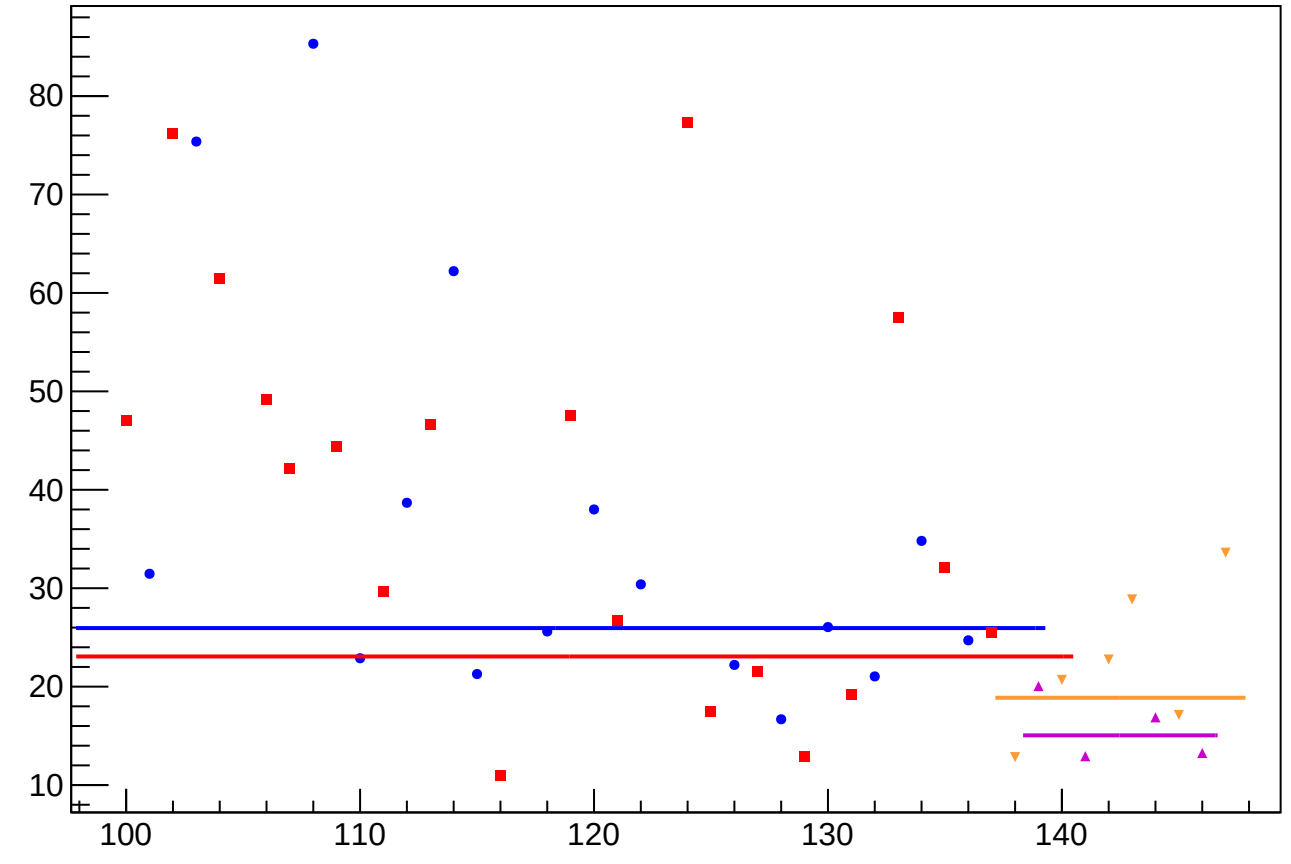
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.0/44

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

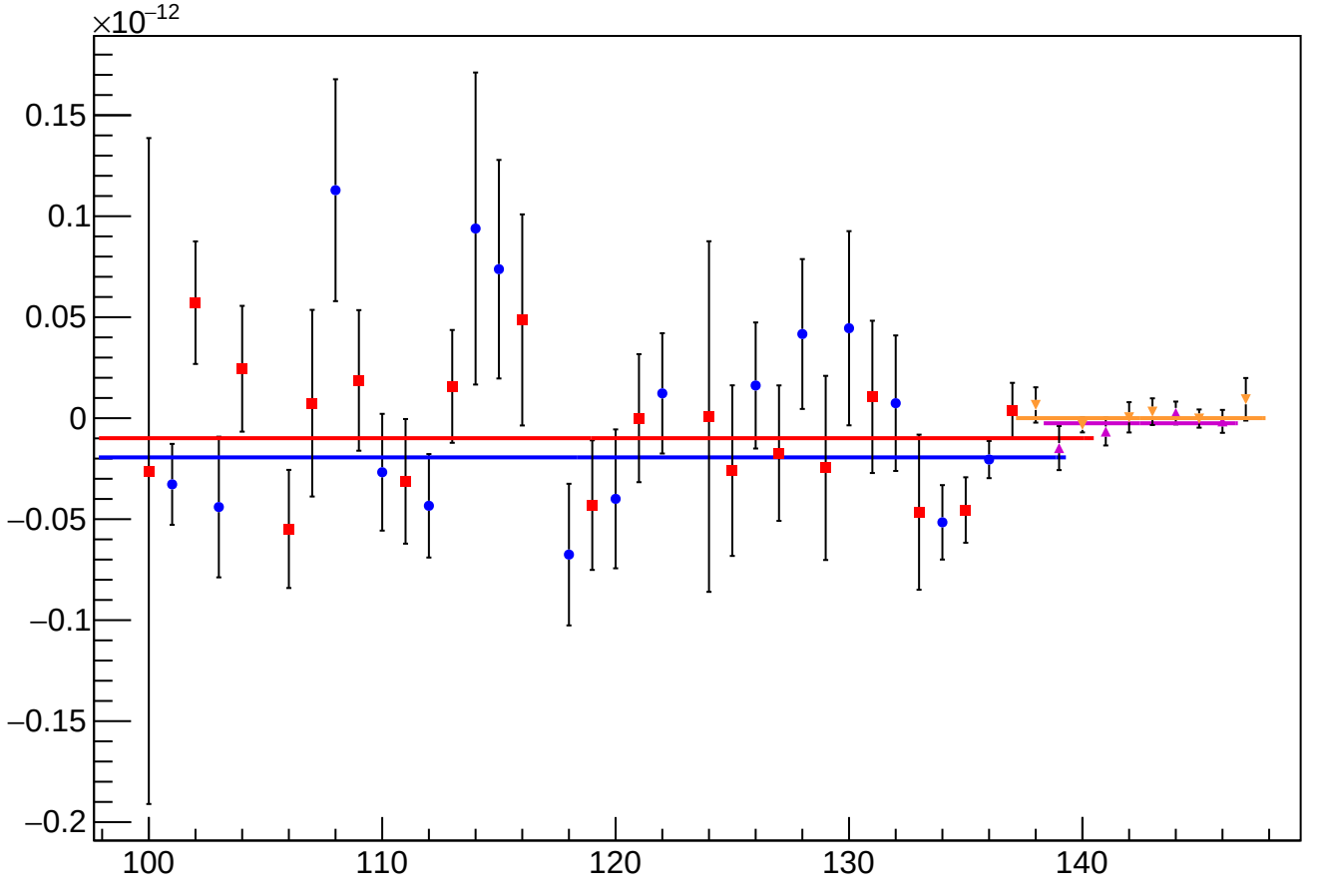
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

\+ sign 22.147+/-0.005 χ^2/NDF: 2577883.7/21

All: 20.197+/-0.004 χ^2/NDF: 7009244.6/44

\- sign 18.550+/-0.005 χ^2/NDF: 4185367.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

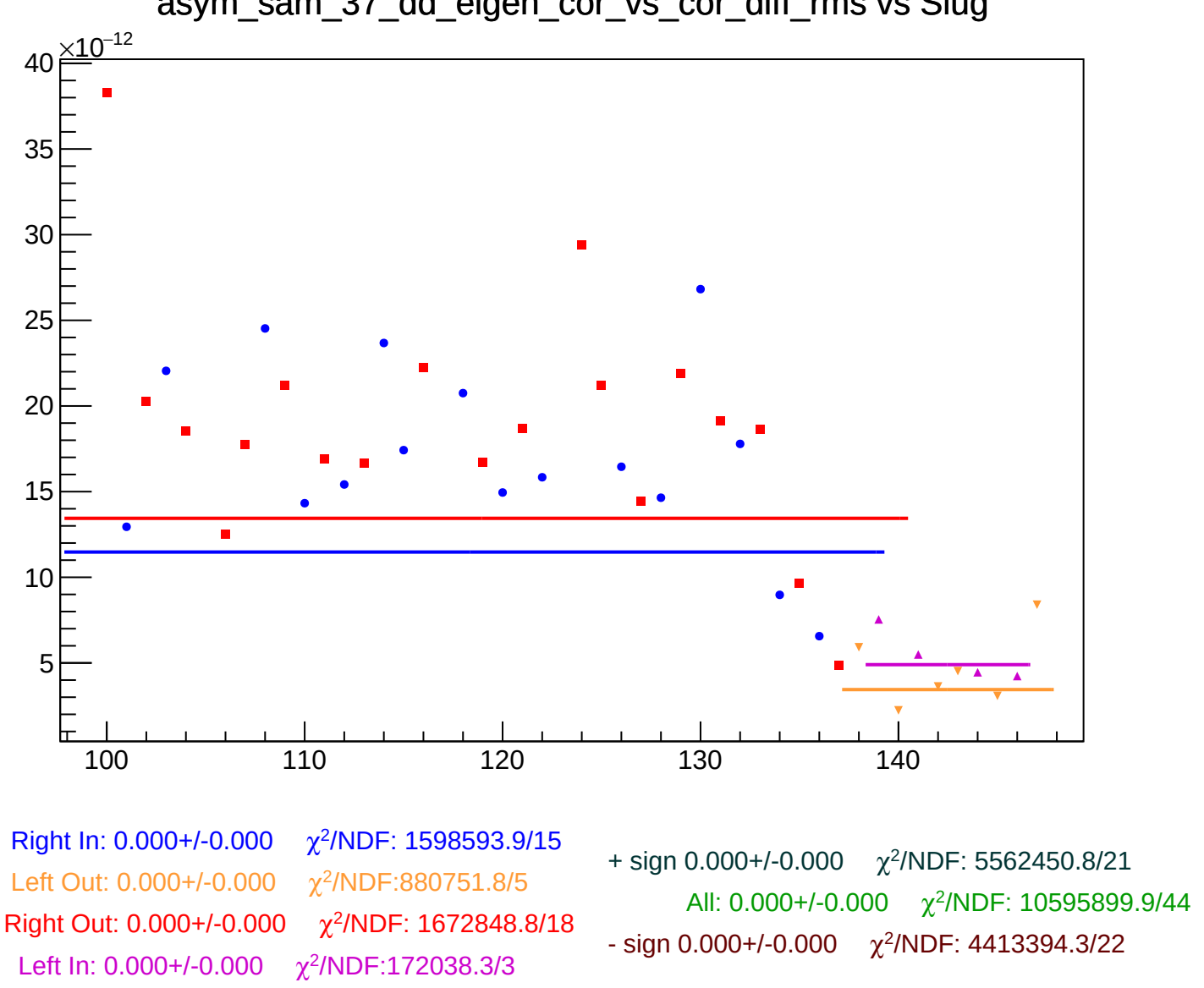
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

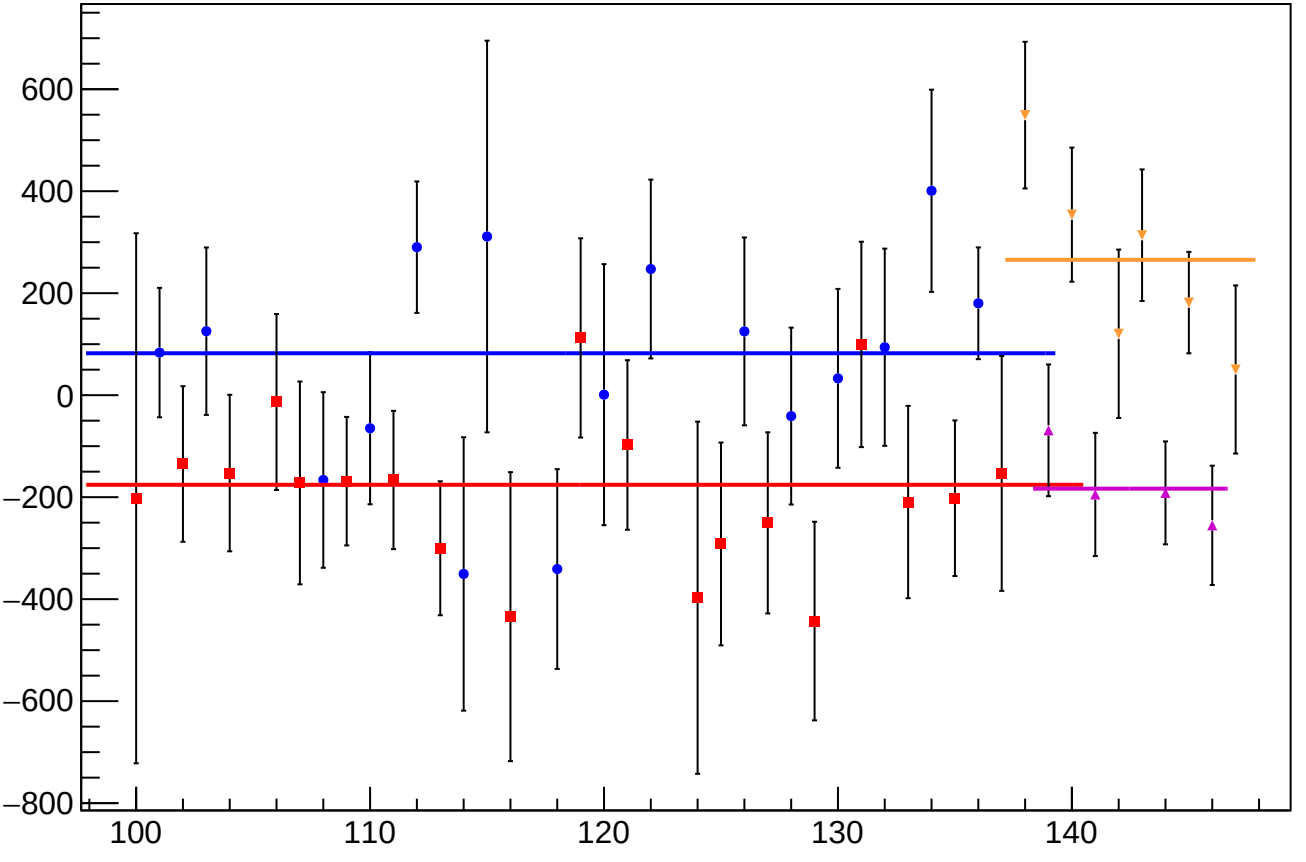
+ sign -0.000+/-0.000 χ^2/NDF: 37.1/21

All: -0.000+/-0.000 χ^2/NDF: 61.0/44

- sign -0.000+/-0.000 χ^2/NDF: 23.8/22


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:880751.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:172038.3/3
+ sign 0.000+/-0.000 χ²/NDF: 5562450.8/21
All: 0.000+/-0.000 χ²/NDF: 10595899.9/44
- sign 0.000+/-0.000 χ²/NDF: 4413394.3/22

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.524+/-54.169 χ^2/NDF:7.7/5

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

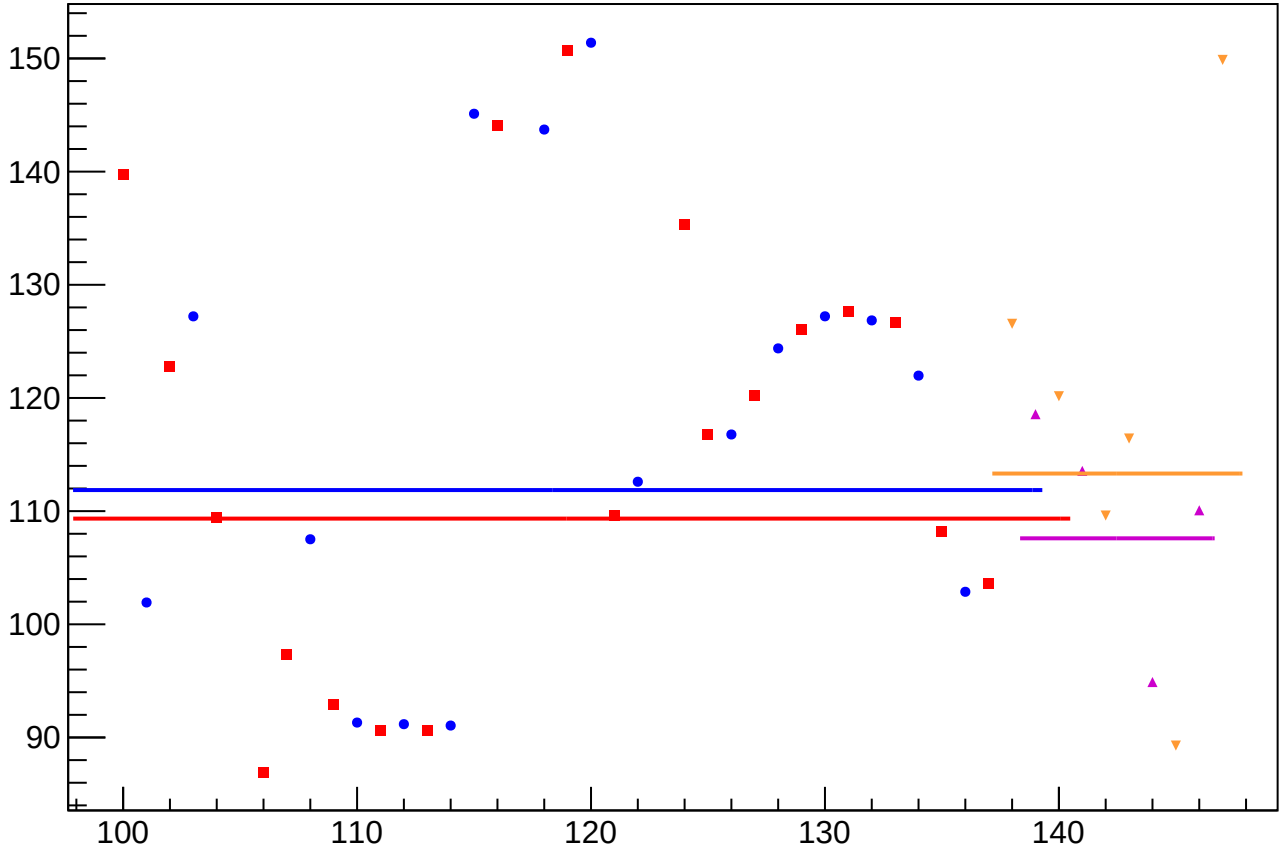
Left In: -183.296+/-57.764 χ^2/NDF:1.2/3

+ sign 151.300+/-33.257 χ^2/NDF: 33.2/21

All: -13.478+/-23.516 χ^2/NDF: 93.3/44

- sign -178.239+/-33.256 χ^2/NDF: 11.1/22

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

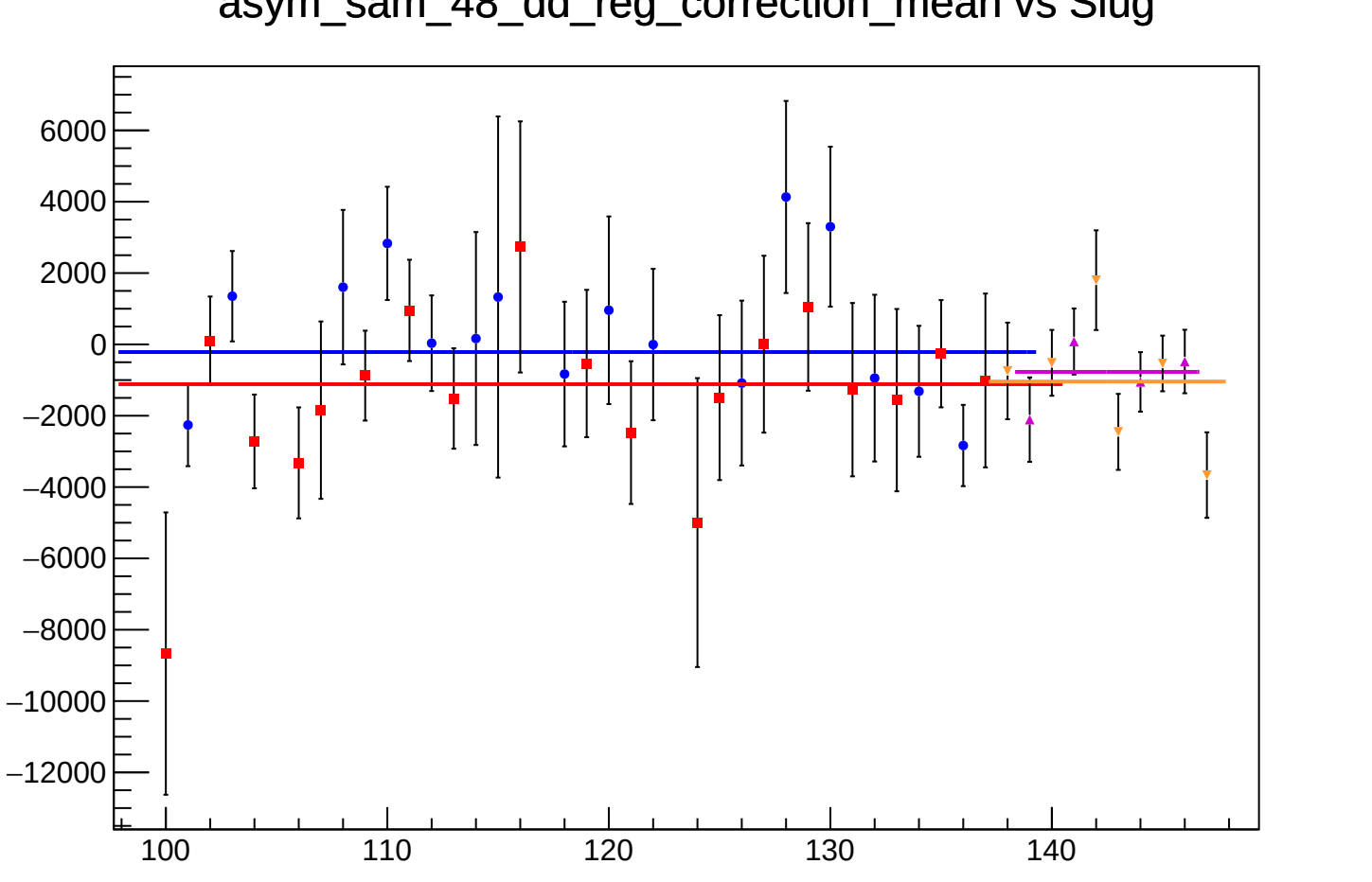
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

+ sign 112.412+/-0.024 χ^2/NDF: 546525.7/21

All: 110.587+/-0.017 χ^2/NDF: 978852.6/44

- sign 108.762+/-0.024 χ^2/NDF: 420282.5/22



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1042.187+/-428.395 χ^2/NDF:11.5/5

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

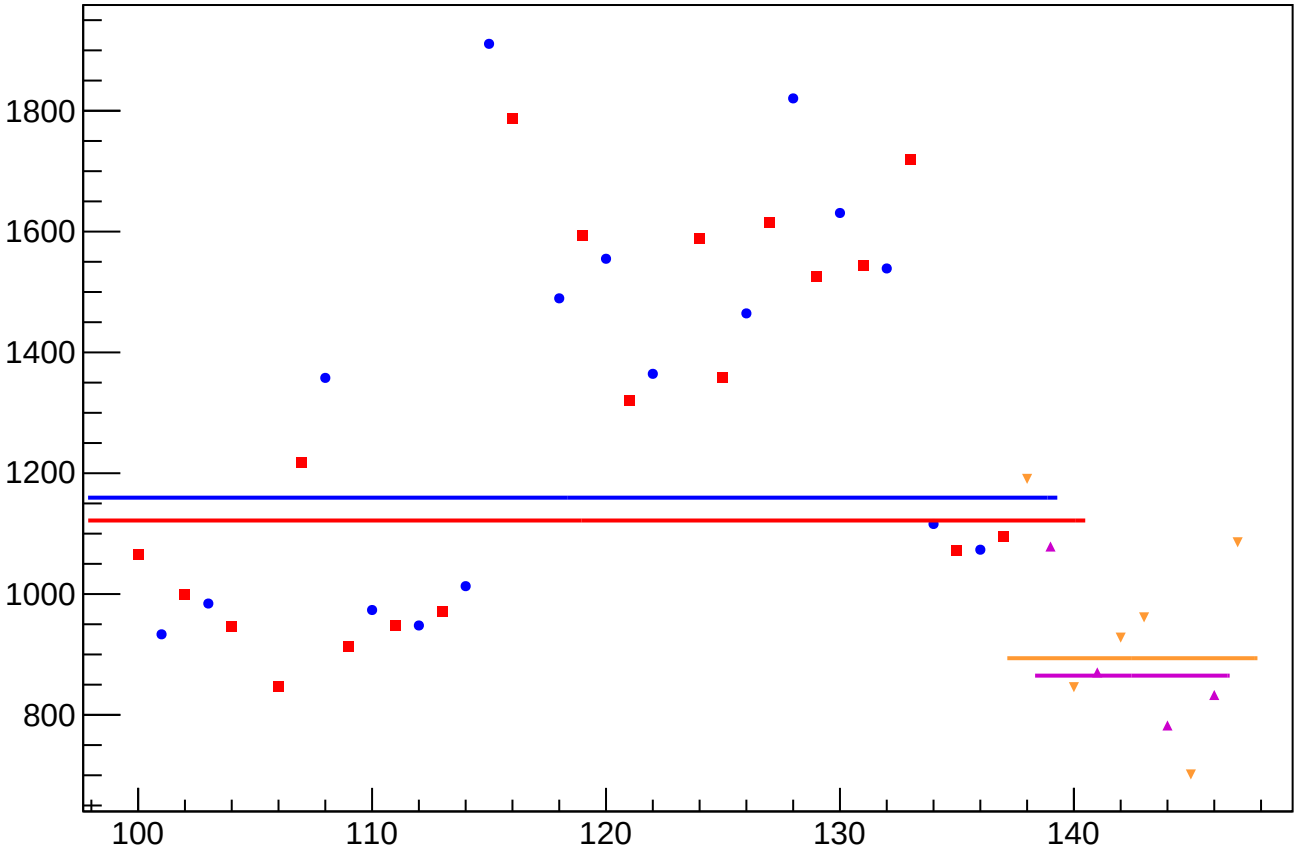
Left In: -770.418+/-467.430 χ^2/NDF:2.3/3

+ sign -642.958+/-308.278 χ^2/NDF: 33.7/21

All: -798.580+/-219.862 χ^2/NDF: 51.4/44

- sign -959.679+/-313.656 χ^2/NDF: 17.2/22

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 893.792+/-0.303 χ^2/NDF:283562.8/5

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

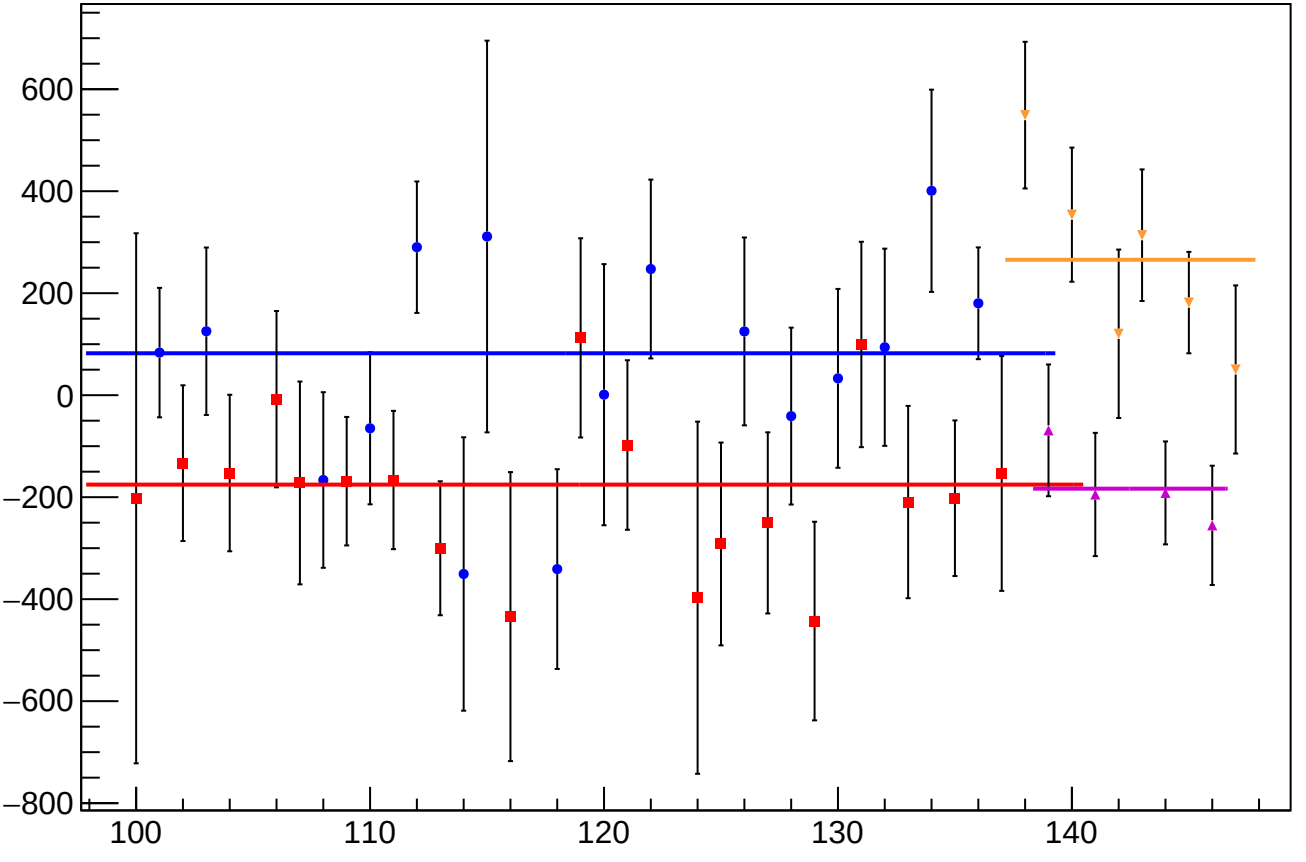
Left In: 864.953+/-0.331 χ^2/NDF:87409.8/3

+ sign 1021.938+/-0.218 χ^2/NDF: 1338415.2/21

All: 1014.167+/-0.155 χ^2/NDF: 2542526.7/44

- sign 1006.122+/-0.222 χ^2/NDF: 1201524.9/22

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

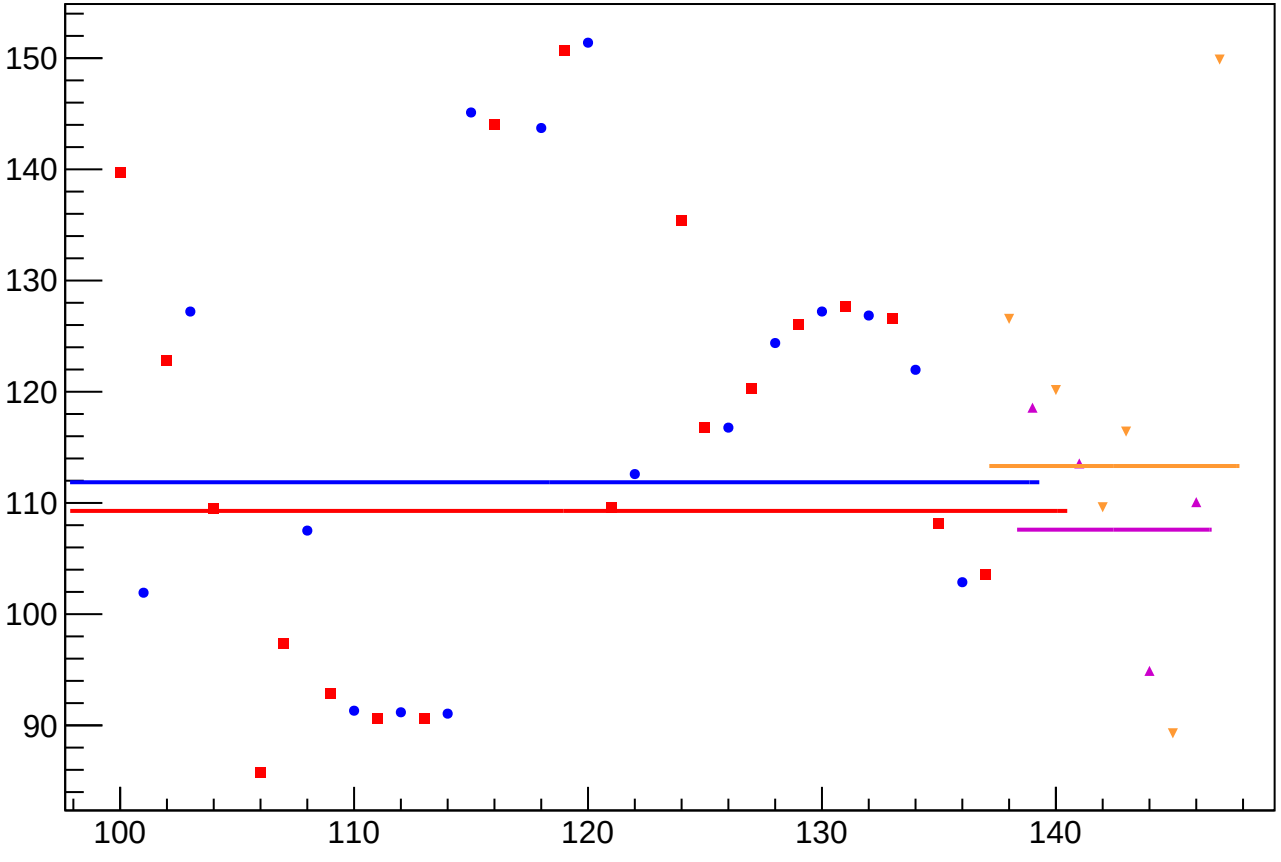
Left In: -183.309+/-57.764 χ^2/NDF:1.2/3

+ sign 151.299+/-33.257 χ^2/NDF: 33.2/21

All: -13.334+/-23.517 χ^2/NDF: 93.3/44

- sign -177.981+/-33.259 χ^2/NDF: 11.1/22

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

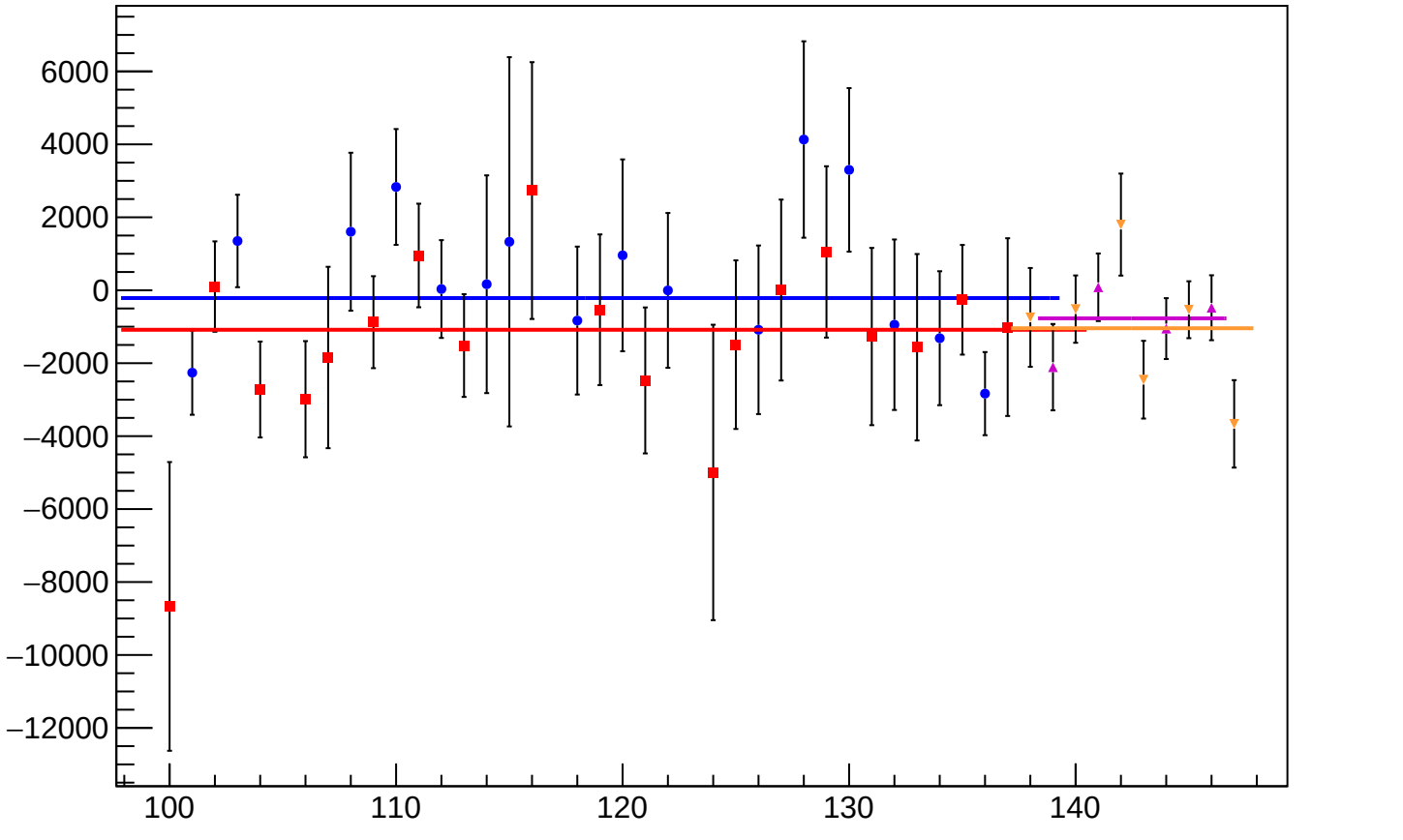
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

+ sign 112.412+/-0.024 χ^2/NDF: 546526.9/21

All: 110.569+/-0.017 χ^2/NDF: 982516.7/44

- sign 108.725+/-0.024 χ^2/NDF: 423697.0/22



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

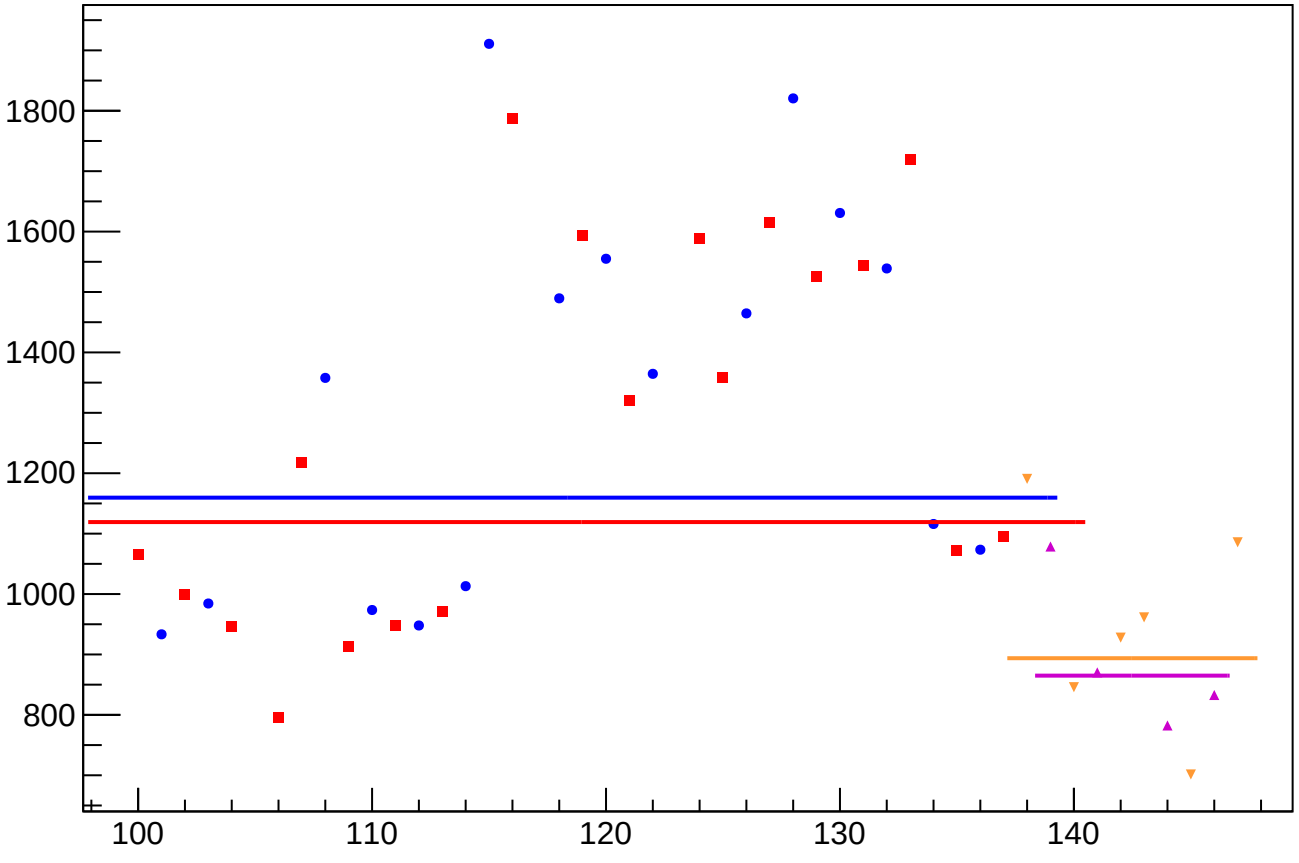
Left In: -770.427+/-467.430 χ^2/NDF:2.3/3

+ sign -642.993+/-308.278 χ^2/NDF: 33.7/21

All: -790.017+/-219.966 χ^2/NDF: 50.6/44

- sign -942.506+/-313.956 χ^2/NDF: 16.5/22

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

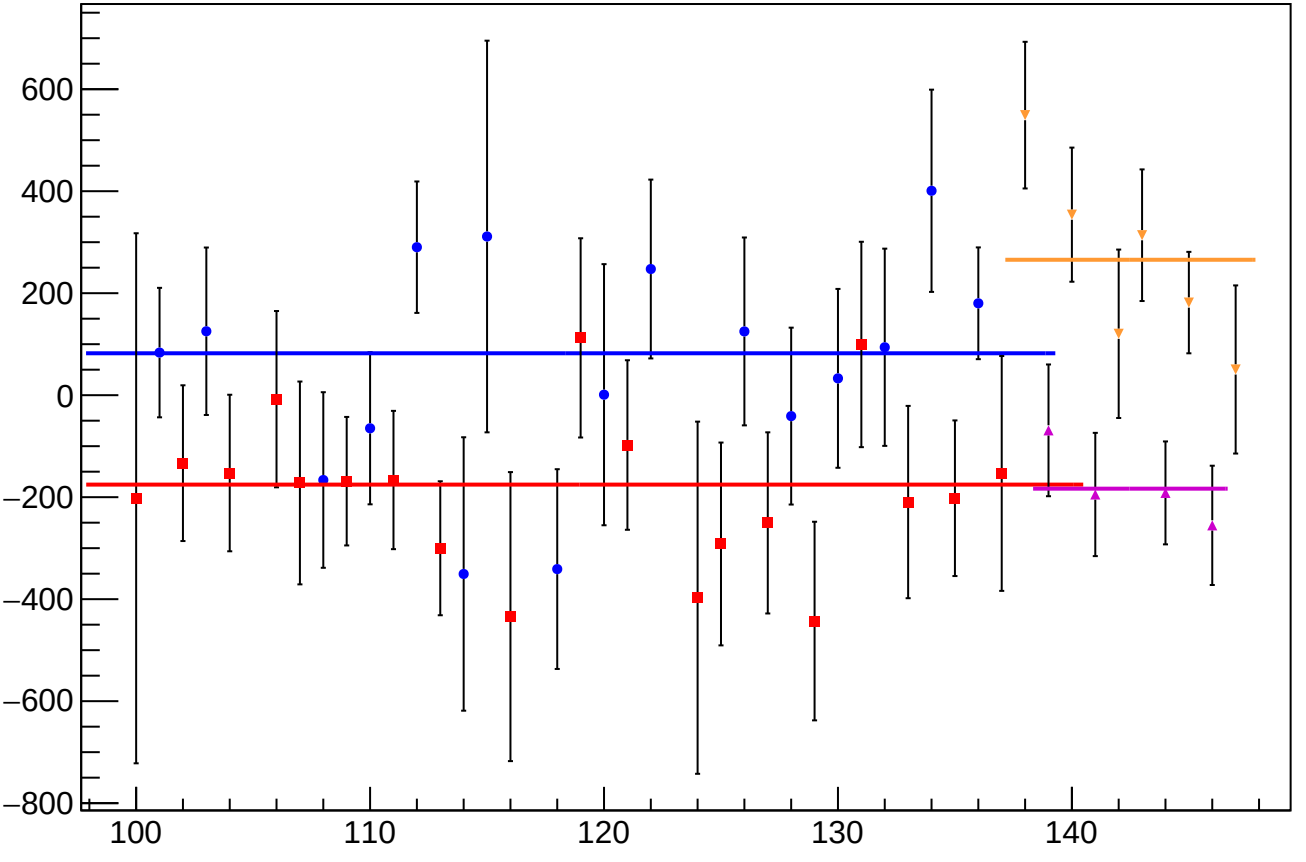
Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

+ sign 1021.942+/-0.218 χ^2/NDF: 1338413.1/21

All: 1013.369+/-0.156 χ^2/NDF: 2556782.5/44

- sign 1004.477+/-0.222 χ^2/NDF: 1215218.4/22

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

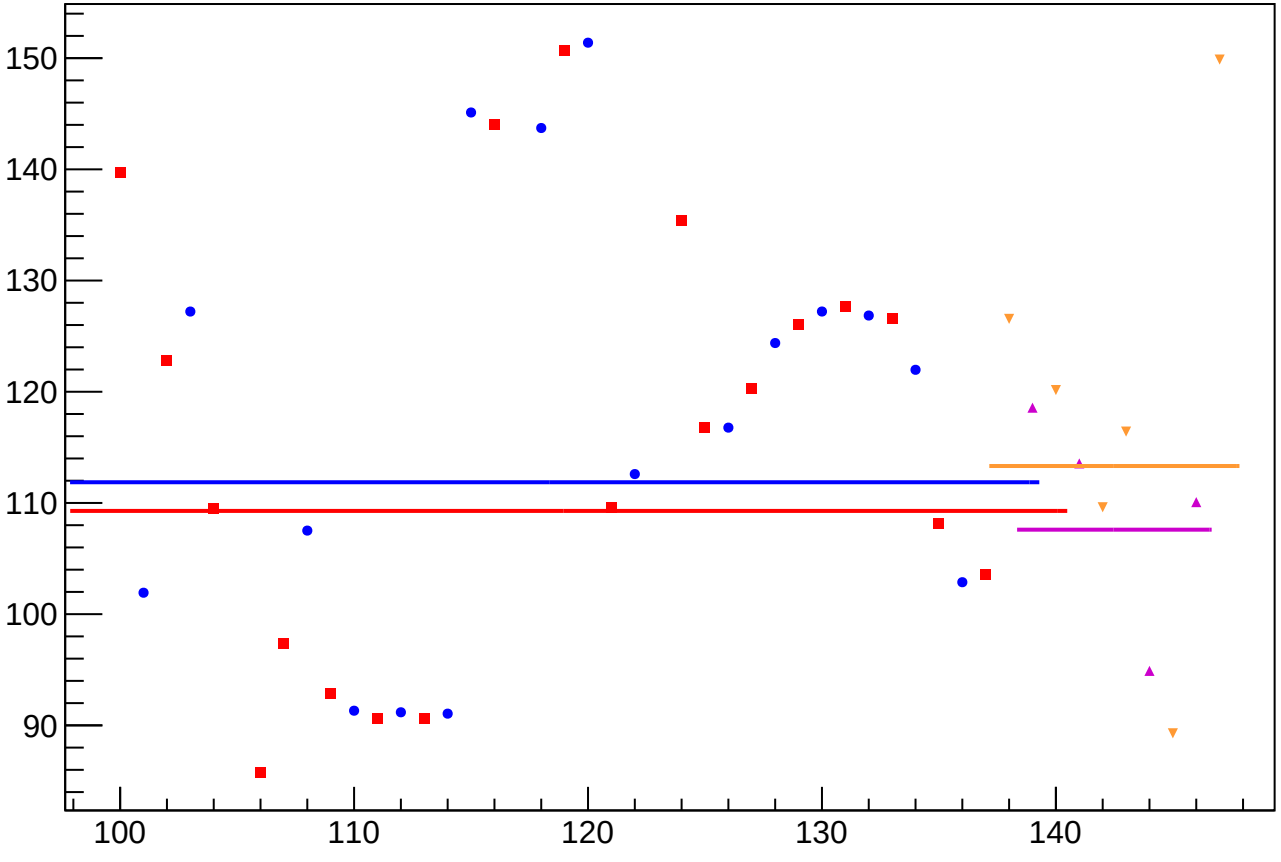
Left In: -183.309+/-57.764 χ^2/NDF:1.2/3

+ sign 151.299+/-33.257 χ^2/NDF: 33.2/21

All: -13.334+/-23.517 χ^2/NDF: 93.3/44

- sign -177.981+/-33.259 χ^2/NDF: 11.1/22

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

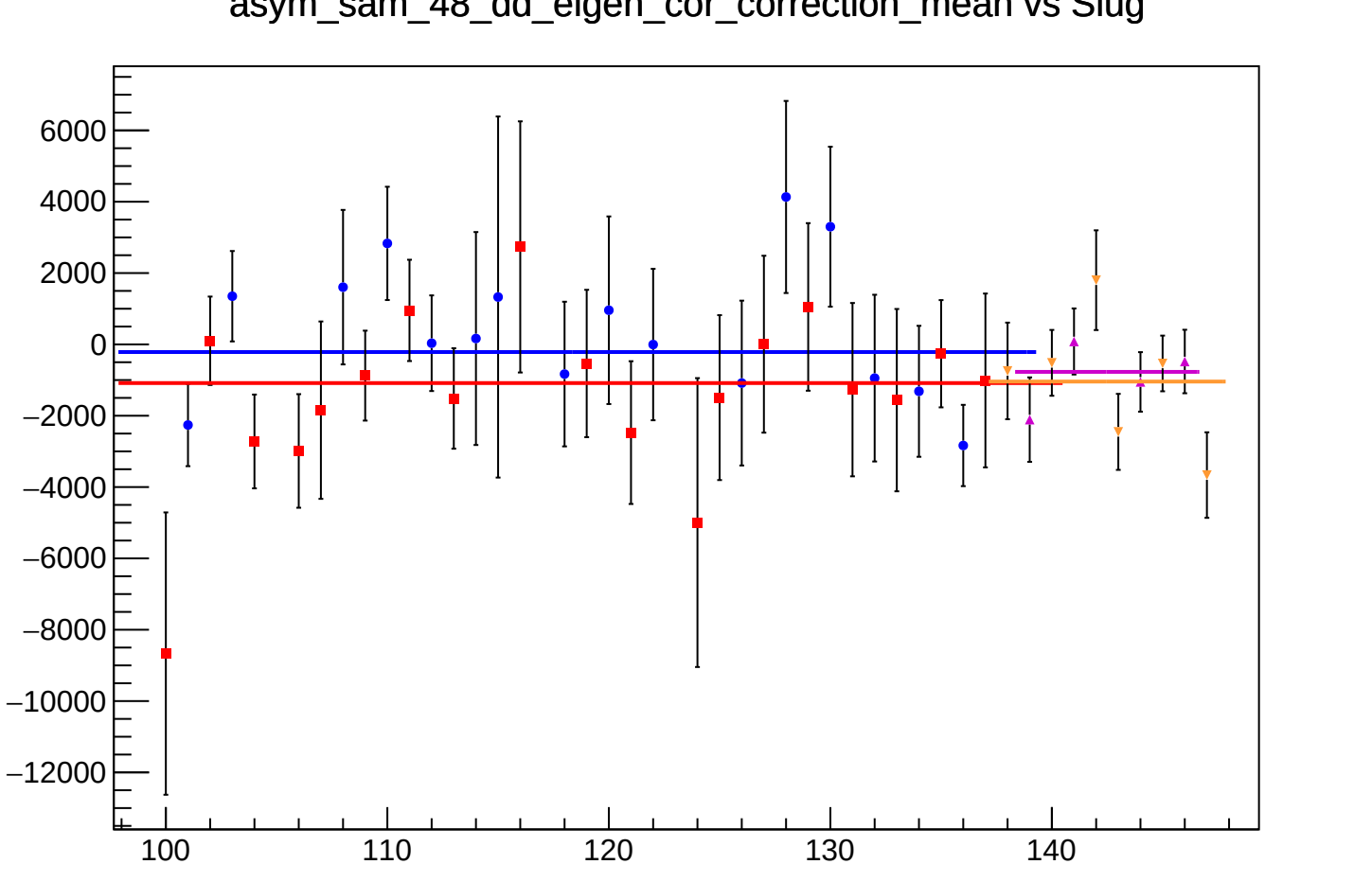
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

+ sign 112.412+/-0.024 χ^2/NDF: 546526.9/21

All: 110.569+/-0.017 χ^2/NDF: 982516.7/44

- sign 108.725+/-0.024 χ^2/NDF: 423697.0/22



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

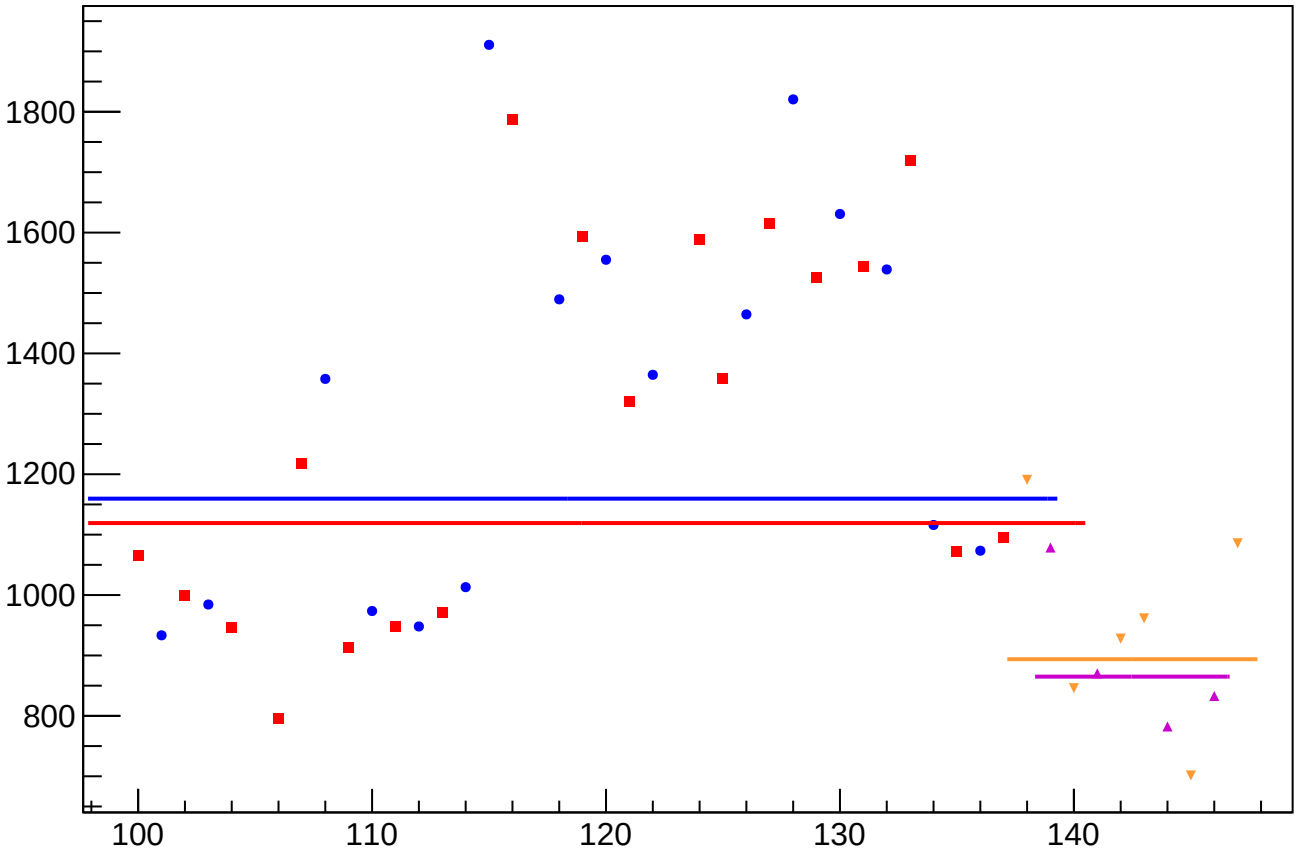
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -770.427+/-467.430 χ^2/NDF:2.3/3

+ sign -642.993+/-308.278 χ^2/NDF: 33.7/21

All: -790.017+/-219.966 χ^2/NDF: 50.6/44

- sign -942.506+/-313.956 χ^2/NDF: 16.5/22



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

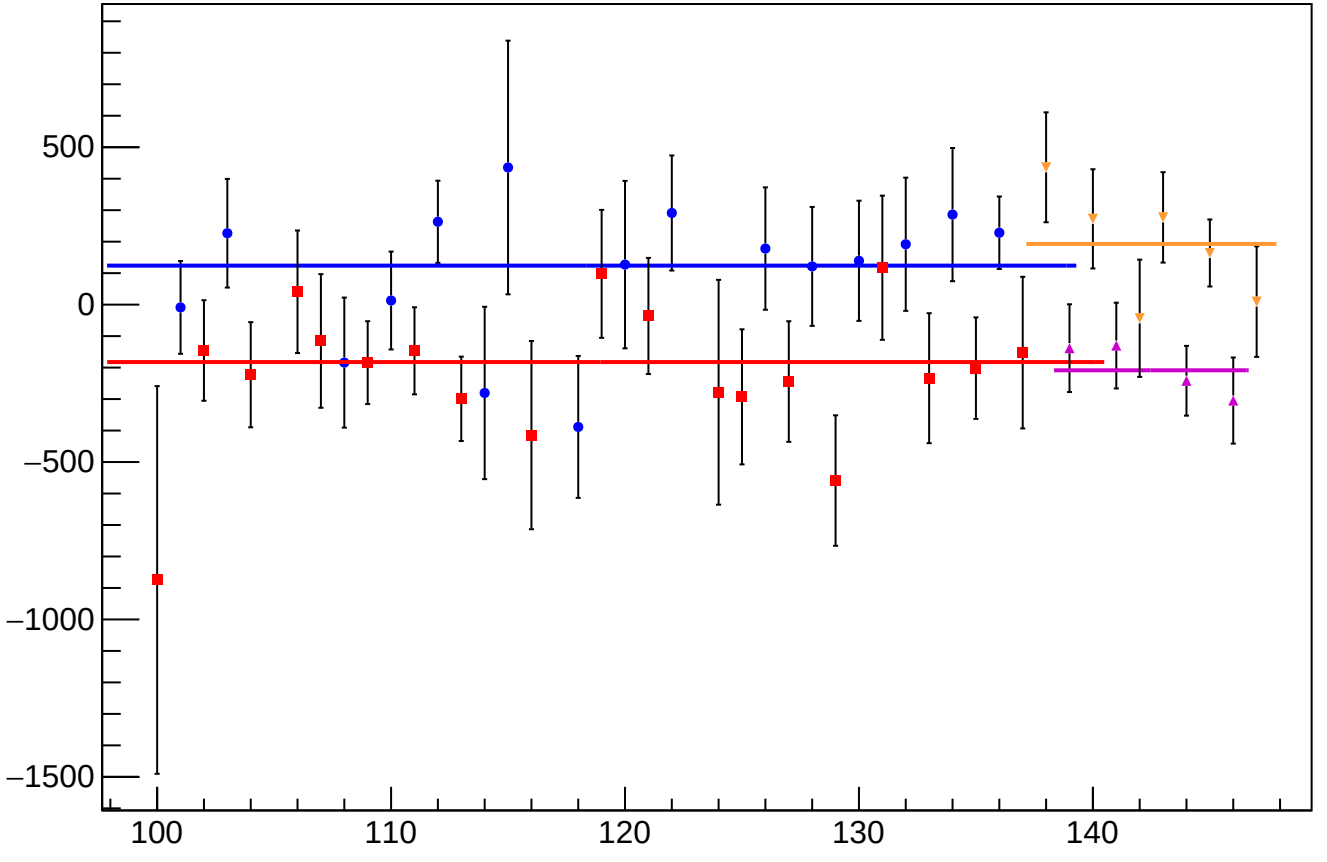
Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

+ sign 1021.942+/-0.218 χ^2/NDF: 1338413.1/21

All: 1013.369+/-0.156 χ^2/NDF: 2556782.5/44

- sign 1004.477+/-0.222 χ^2/NDF: 1215218.4/22

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.816+/-60.737 χ^2/NDF:5.3/5

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

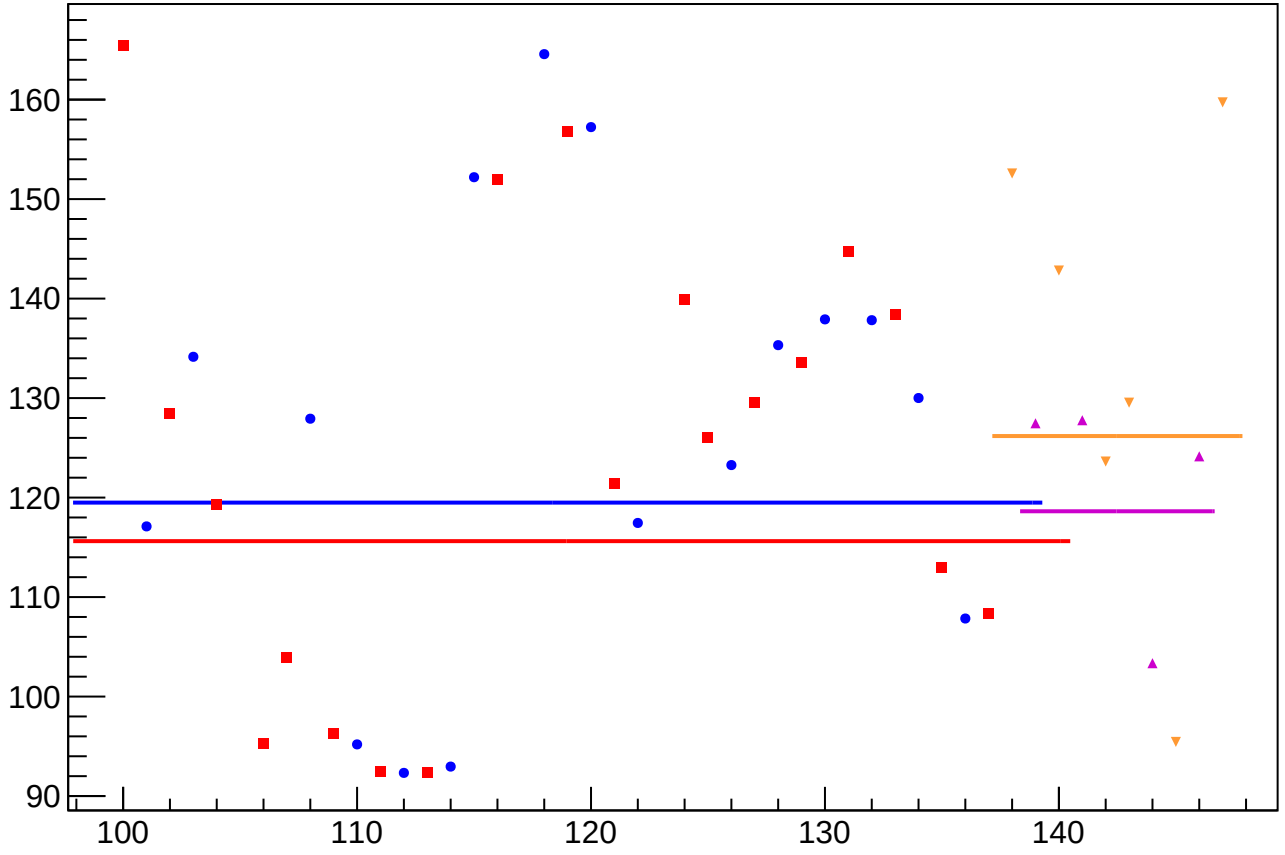
Left In: -208.588+/-64.514 χ^2/NDF:1.2/3

+ sign 148.485+/-36.280 χ^2/NDF: 21.6/21

All: -22.780+/-25.522 χ^2/NDF: 79.3/44

- sign -190.560+/-35.909 χ^2/NDF: 13.6/22

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 126.185+/-0.043 χ^2/NDF:309159.7/5

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

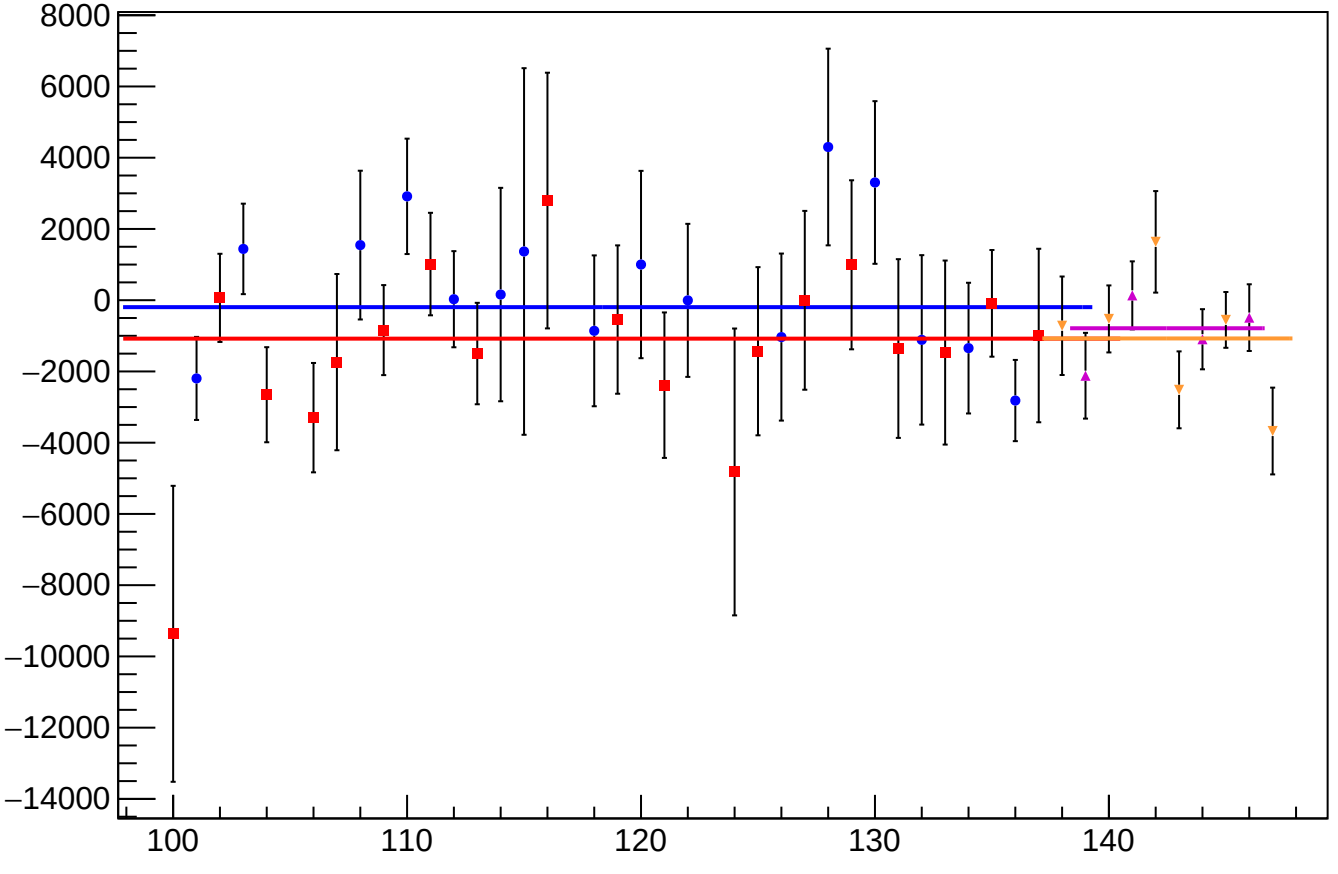
Left In: 118.624+/-0.046 χ^2/NDF:58325.3/3

+ sign 121.882+/-0.026 χ^2/NDF: 705017.3/21

All: 119.189+/-0.018 χ^2/NDF: 1215096.6/44

- sign 116.552+/-0.025 χ^2/NDF: 488275.5/22

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.803+/-434.013 χ^2/NDF:10.8/5

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

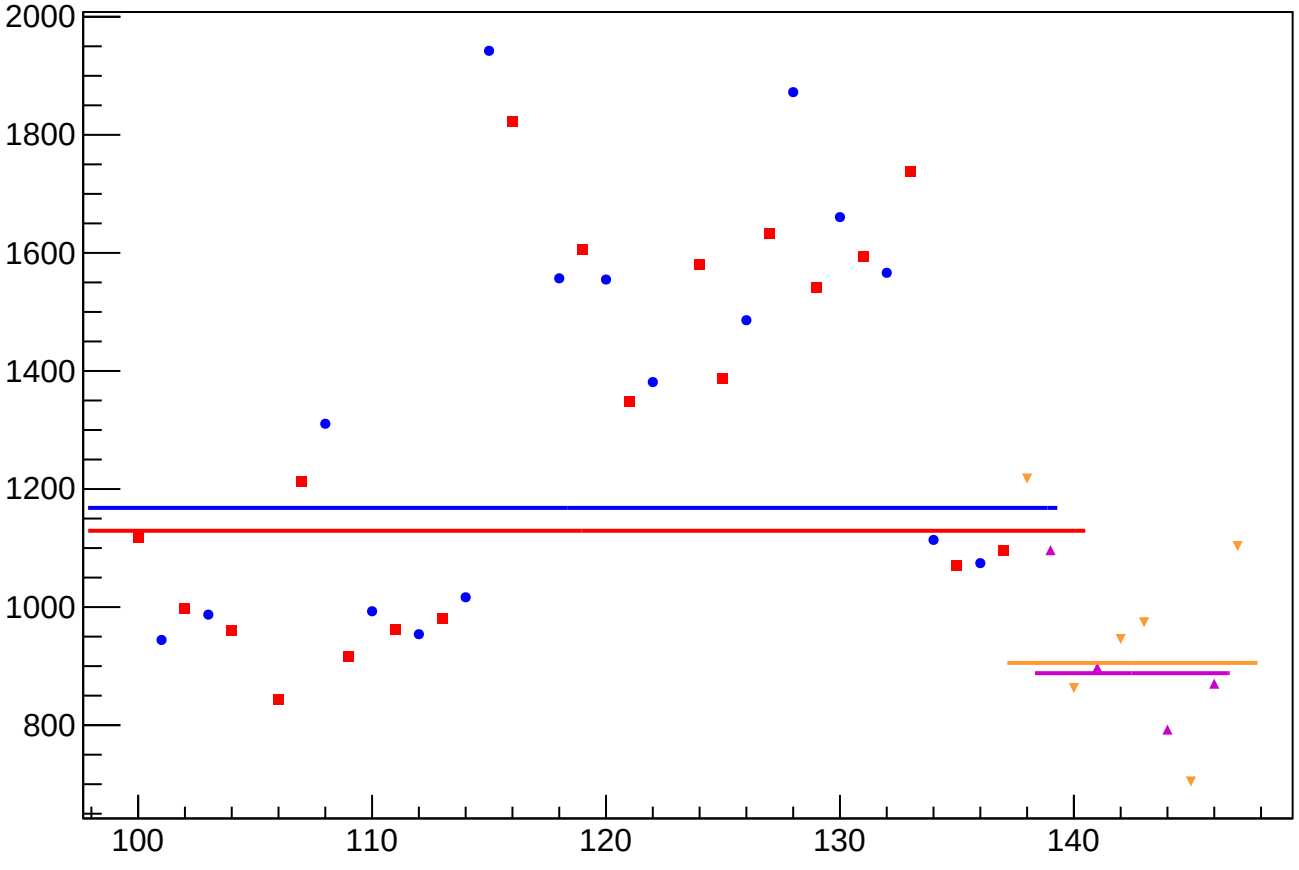
Left In: -787.693+/-480.506 χ^2/NDF:2.4/3

+ sign -647.722+/-311.496 χ^2/NDF: 33.2/21

All: -795.892+/-222.779 χ^2/NDF: 50.8/44

- sign -951.036+/-318.743 χ^2/NDF: 17.2/22

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 905.457+/-0.307 χ^2/NDF:300230.2/5

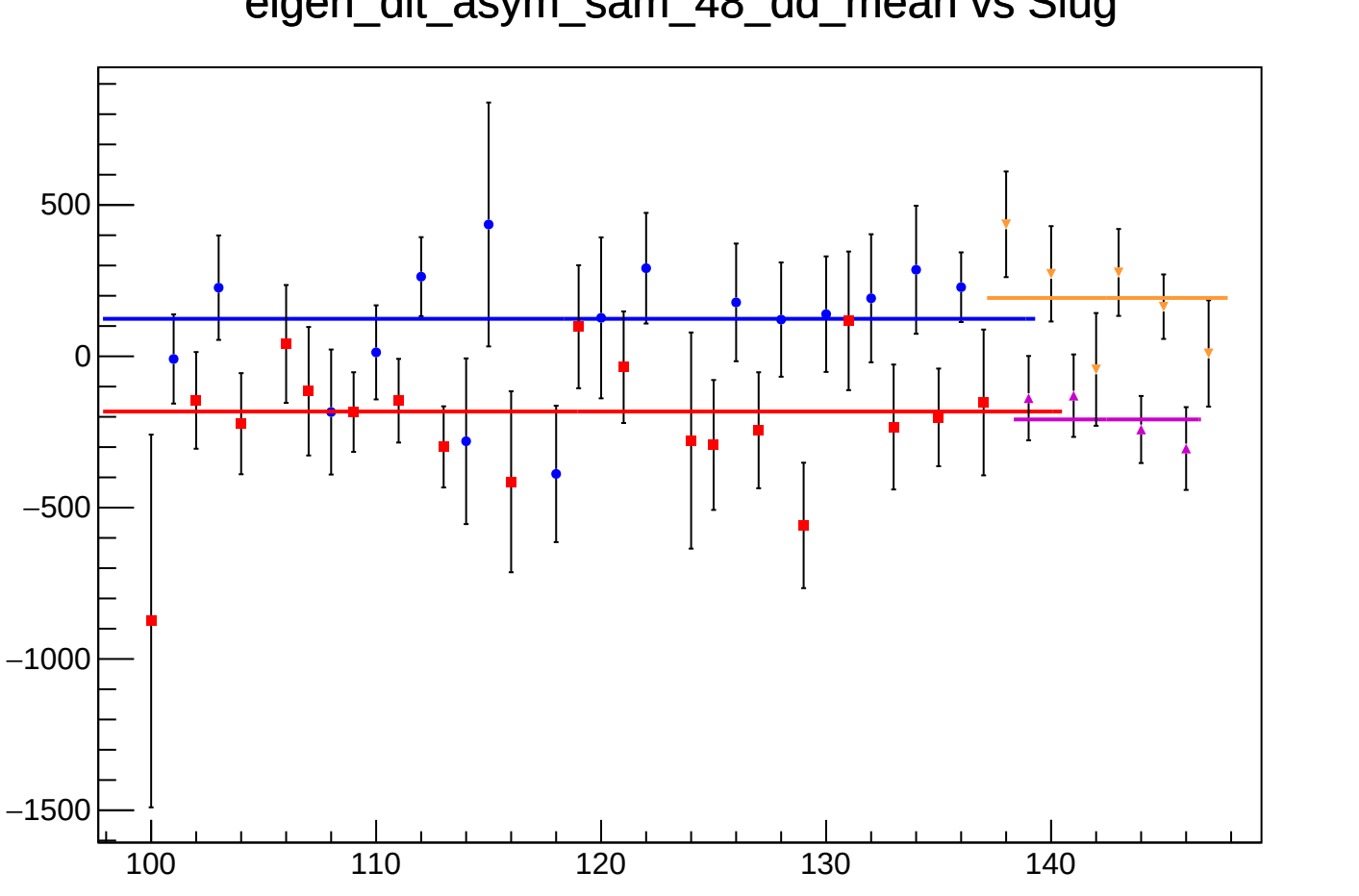
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 888.067+/-0.340 χ^2/NDF:86504.1/3

+ sign 1032.792+/-0.220 χ^2/NDF: 1364633.3/21

All: 1028.086+/-0.158 χ^2/NDF: 2541607.1/44

- sign 1023.159+/-0.225 χ^2/NDF: 1176039.5/22



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.817+/-60.737 χ^2/NDF:5.3/5

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

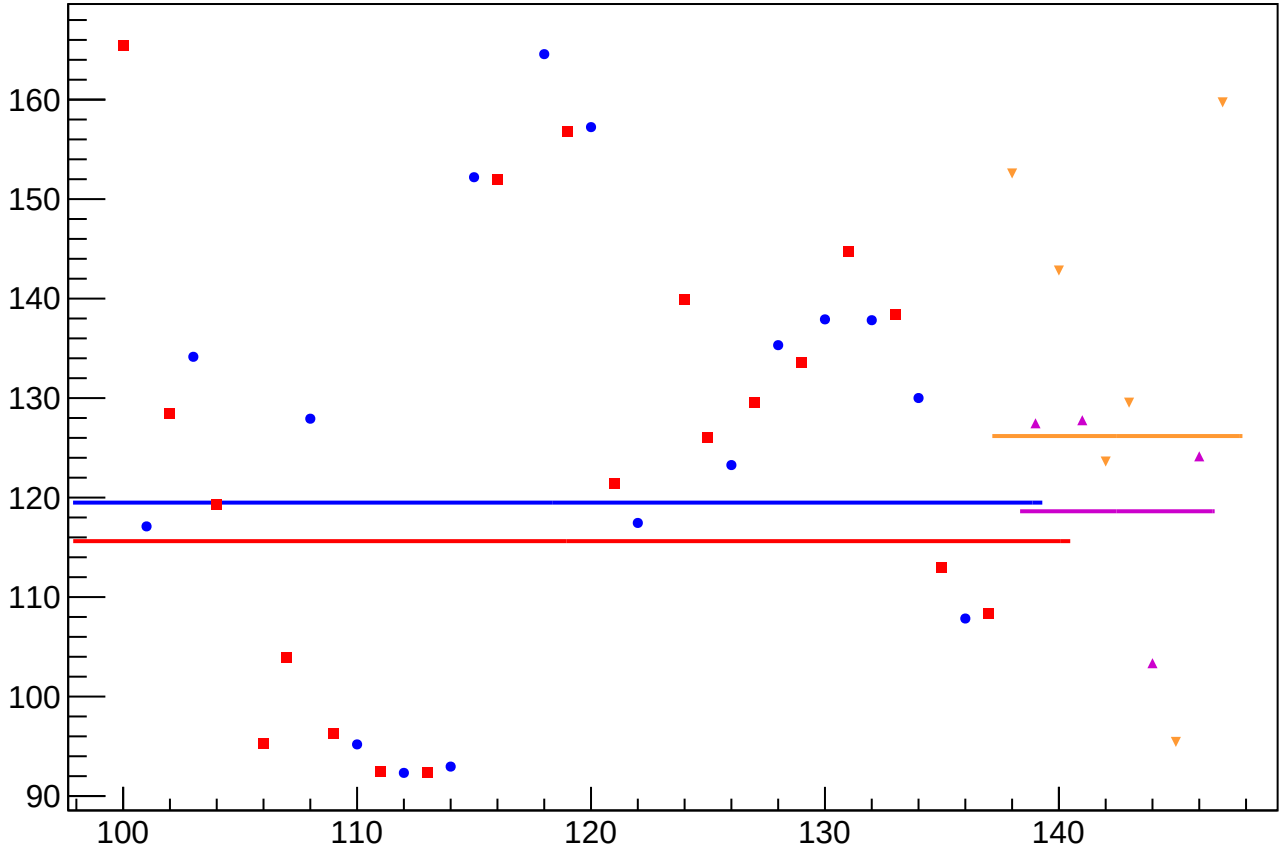
Left In: -208.589+/-64.514 χ^2/NDF:1.2/3

+ sign 148.487+/-36.280 χ^2/NDF: 21.6/21

All: -22.779+/-25.522 χ^2/NDF: 79.3/44

- sign -190.560+/-35.909 χ^2/NDF: 13.6/22

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 126.185+/-0.043 χ^2/NDF:309157.8/5

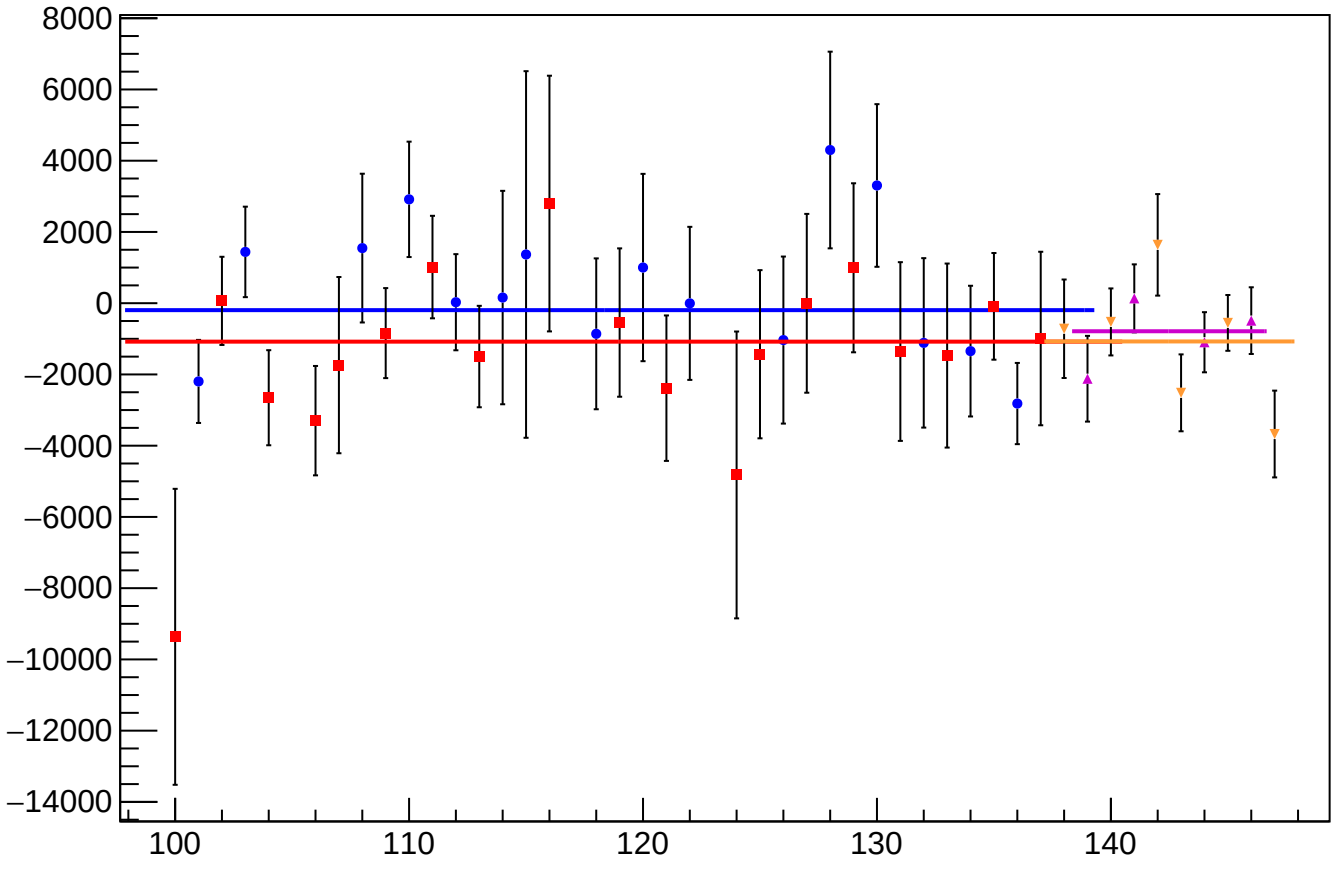
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 118.624+/-0.046 χ^2/NDF:58324.5/3

+ sign 121.882+/-0.026 χ^2/NDF: 705018.9/21

All: 119.189+/-0.018 χ^2/NDF: 1215102.5/44

- sign 116.552+/-0.025 χ^2/NDF: 488279.6/22



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.801+/-434.013 χ^2/NDF:10.8/5

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

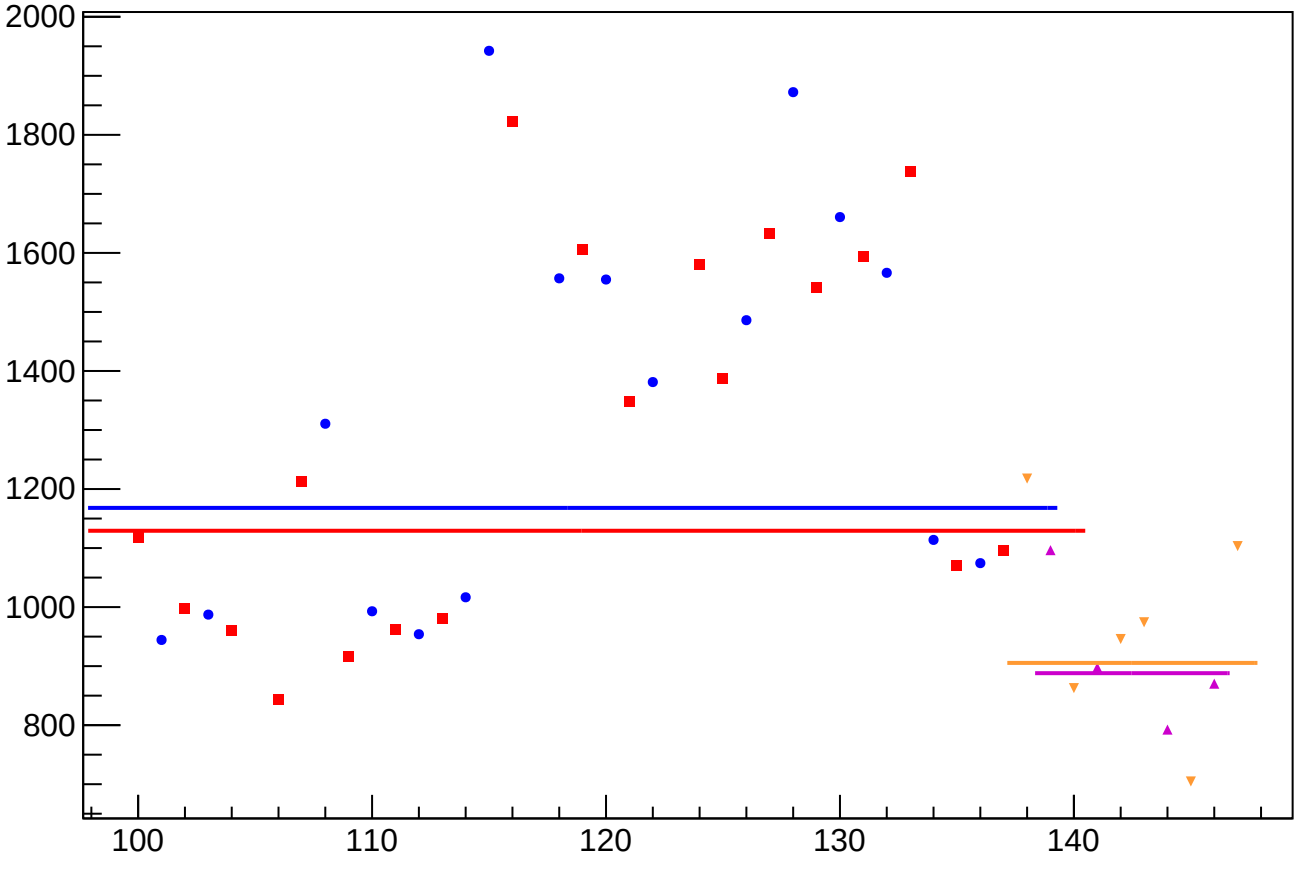
Left In: -787.693+/-480.506 χ^2/NDF:2.4/3

+ sign -647.721+/-311.496 χ^2/NDF: 33.2/21

All: -795.891+/-222.779 χ^2/NDF: 50.8/44

- sign -951.036+/-318.743 χ^2/NDF: 17.2/22

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 905.455+/-0.307 χ^2/NDF:300233.5/5

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

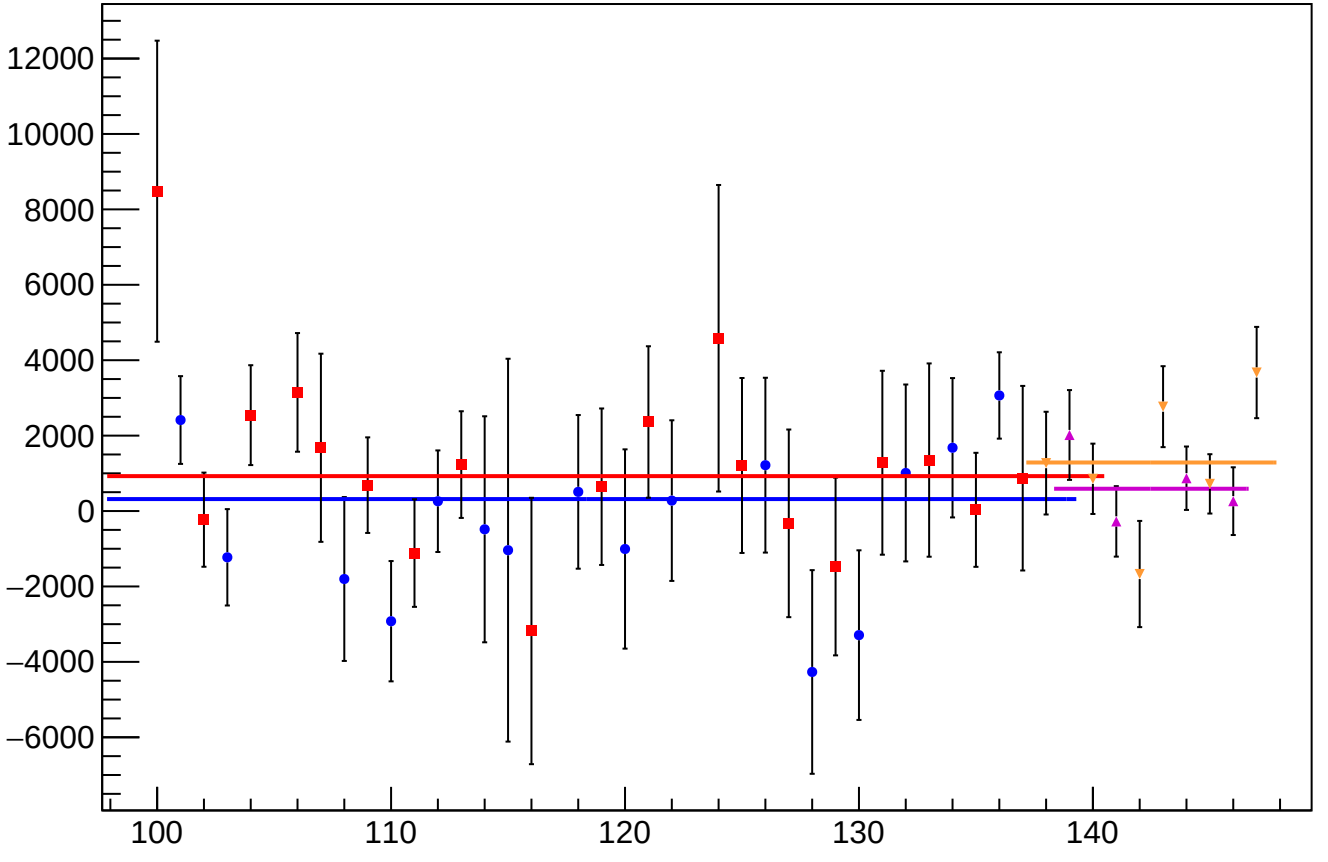
Left In: 888.066+/-0.340 χ^2/NDF:86504.0/3

+ sign 1032.791+/-0.220 χ^2/NDF: 1364642.1/21

All: 1028.085+/-0.158 χ^2/NDF: 2541616.9/44

- sign 1023.159+/-0.225 χ^2/NDF: 1176040.6/22

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1287.310+/-431.963 χ^2/NDF:10.9/5

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

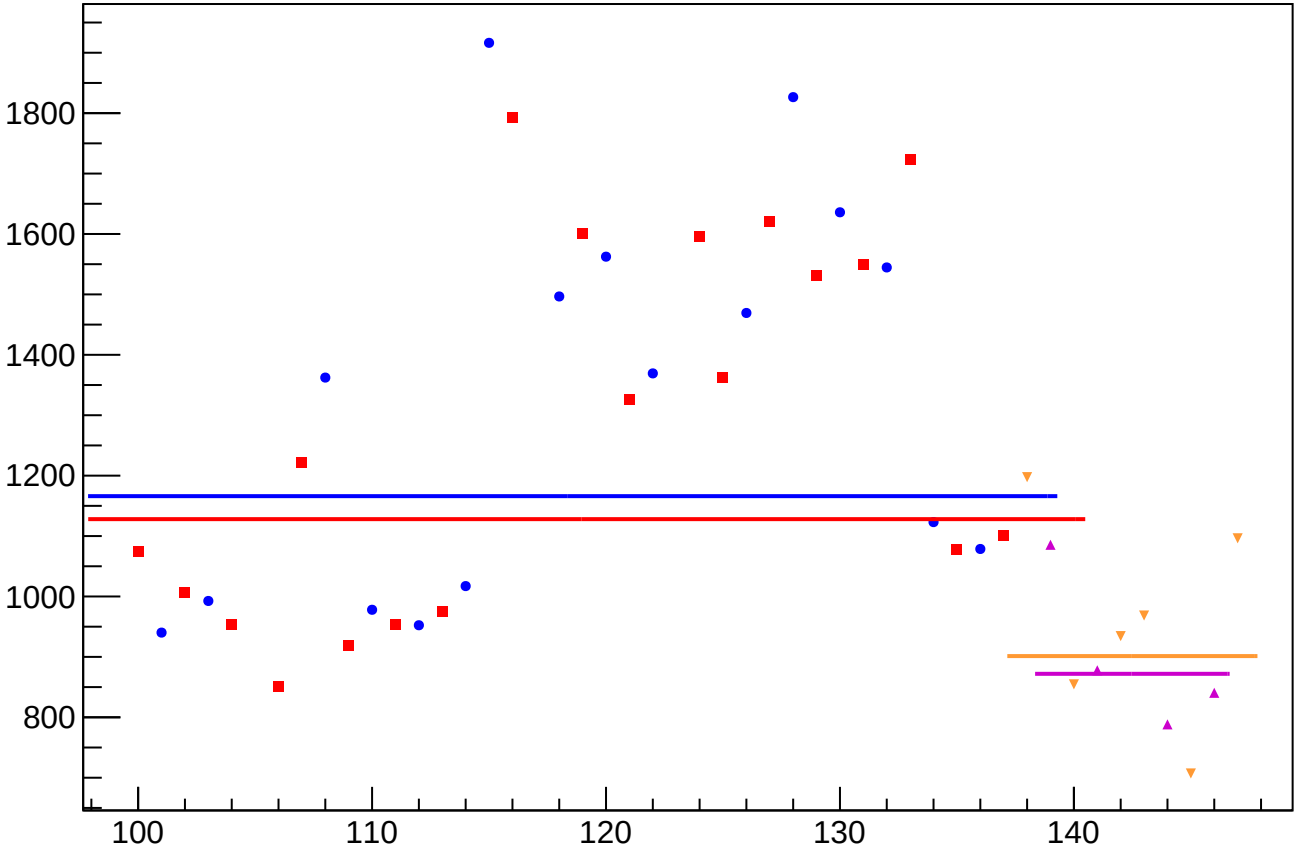
Left In: 591.289+/-471.155 χ^2/NDF:2.5/3

+ sign 818.210+/-310.403 χ^2/NDF: 35.5/21

All: 797.318+/-221.353 χ^2/NDF: 52.9/44

- sign 775.700+/-315.746 χ^2/NDF: 17.3/22

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 901.328+/-0.305 χ^2/NDF:282346.7/5

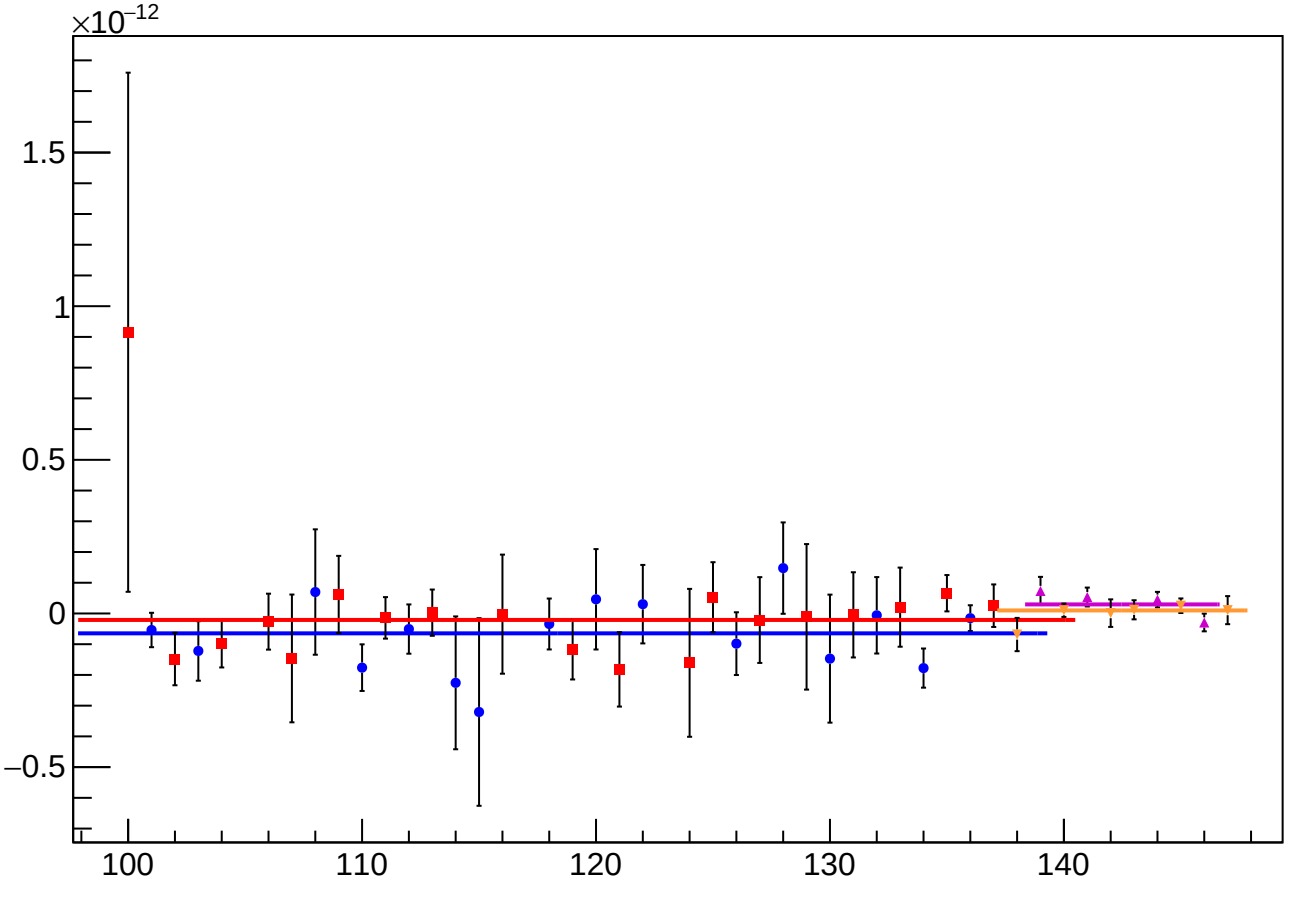
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 871.982+/-0.333 χ^2/NDF:86646.5/3

+ sign 1029.360+/-0.219 χ^2/NDF: 1322702.3/21

All: 1021.332+/-0.157 χ^2/NDF: 2513174.9/44

- sign 1013.025+/-0.223 χ^2/NDF: 1187750.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

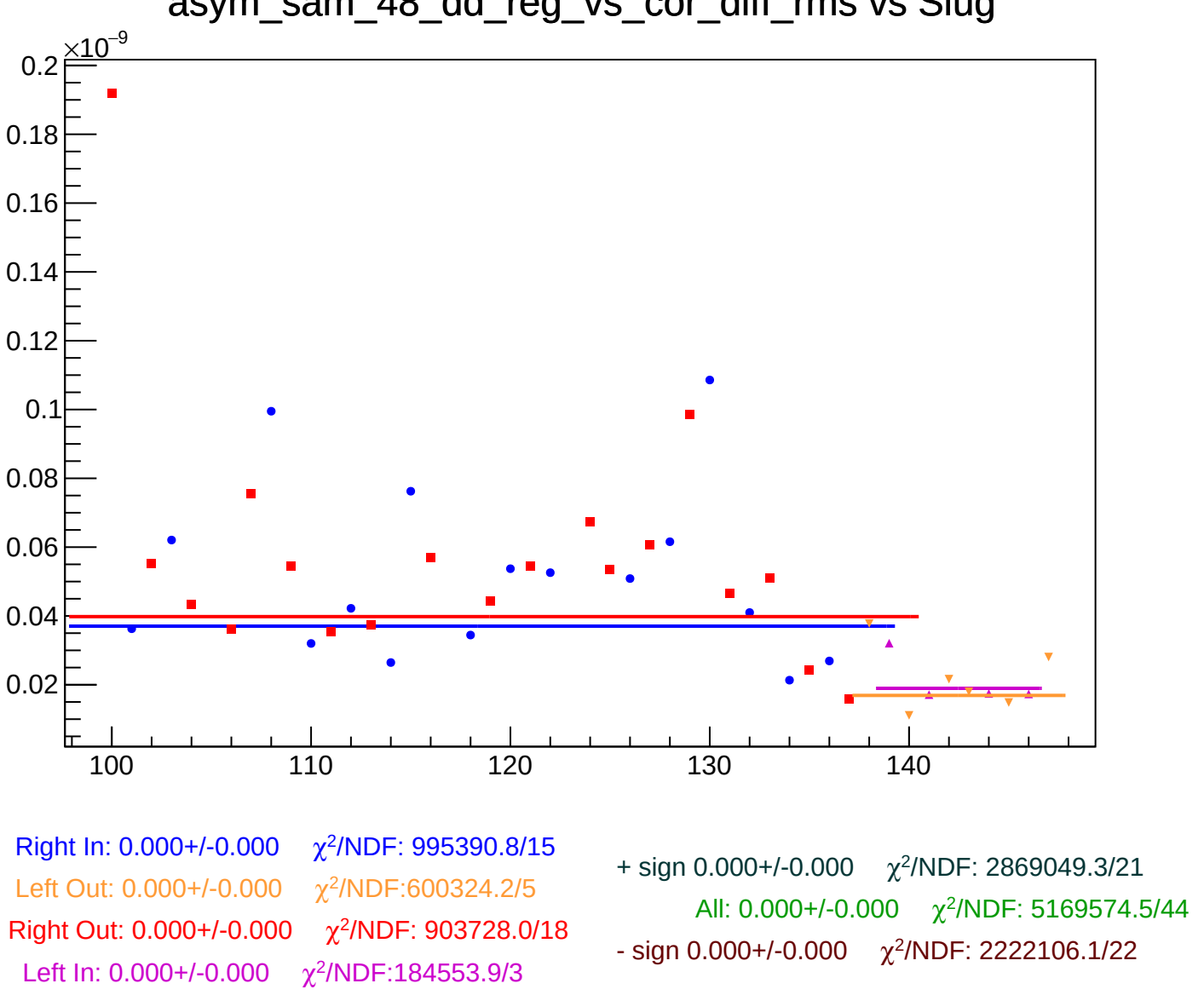
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/3

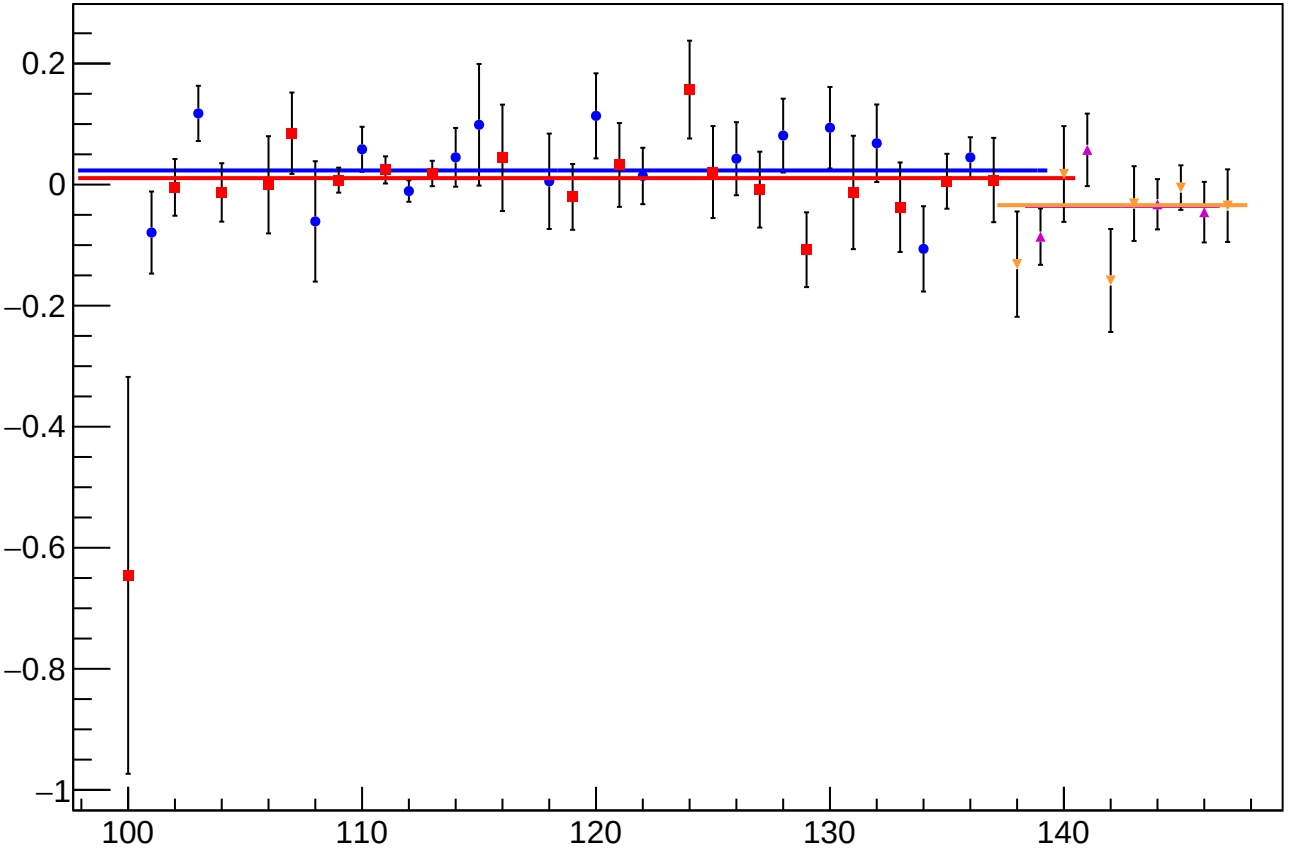
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/21

All: 0.000+/-0.000 χ^2/NDF: 46.6/44

- sign 0.000+/-0.000 χ^2/NDF: 20.9/22


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 995390.8/15
Left Out: 0.000+/-0.000 χ²/NDF:600324.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 903728.0/18
Left In: 0.000+/-0.000 χ²/NDF:184553.9/3
+ sign 0.000+/-0.000 χ²/NDF: 2869049.3/21
All: 0.000+/-0.000 χ²/NDF: 5169574.5/44
- sign 0.000+/-0.000 χ²/NDF: 2222106.1/22

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

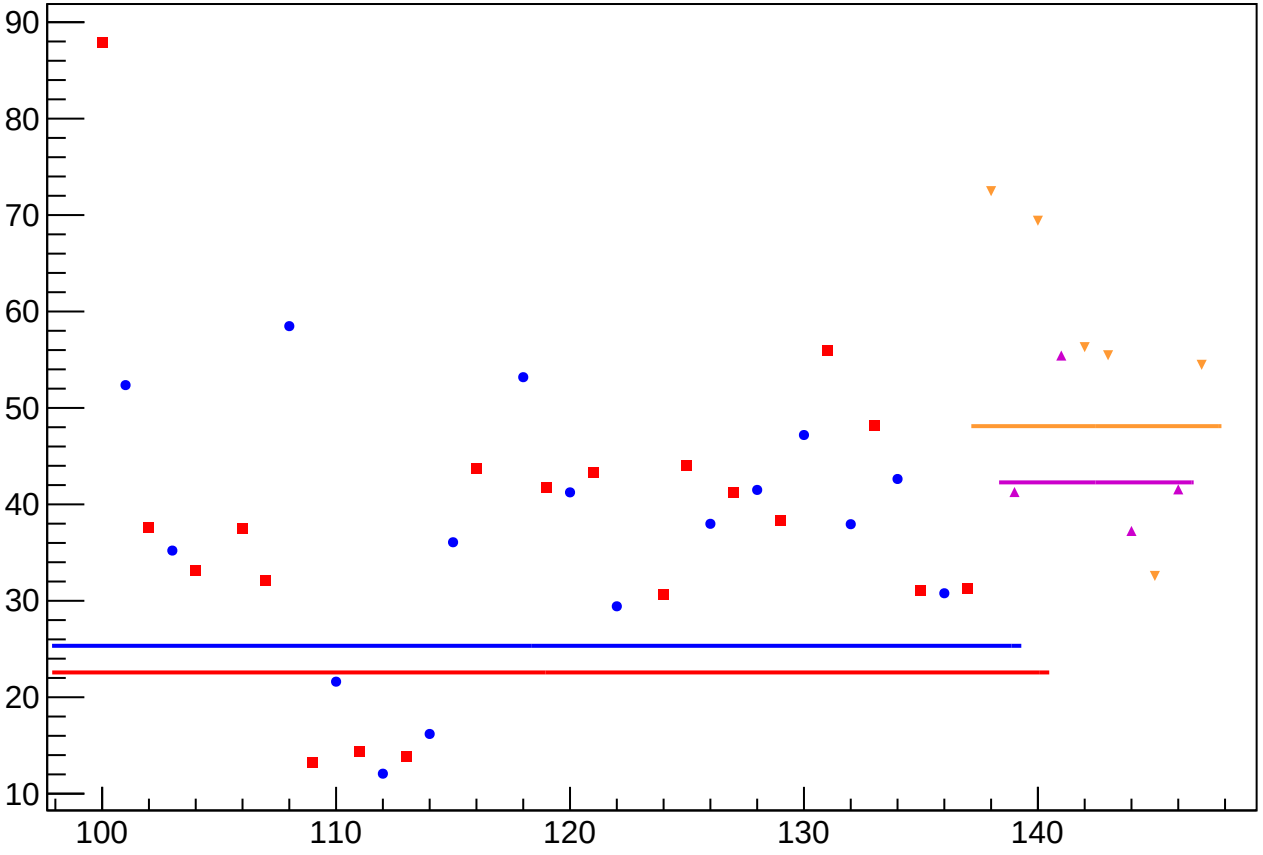
Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.008+/-0.007 χ^2/NDF: 51.3/44

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

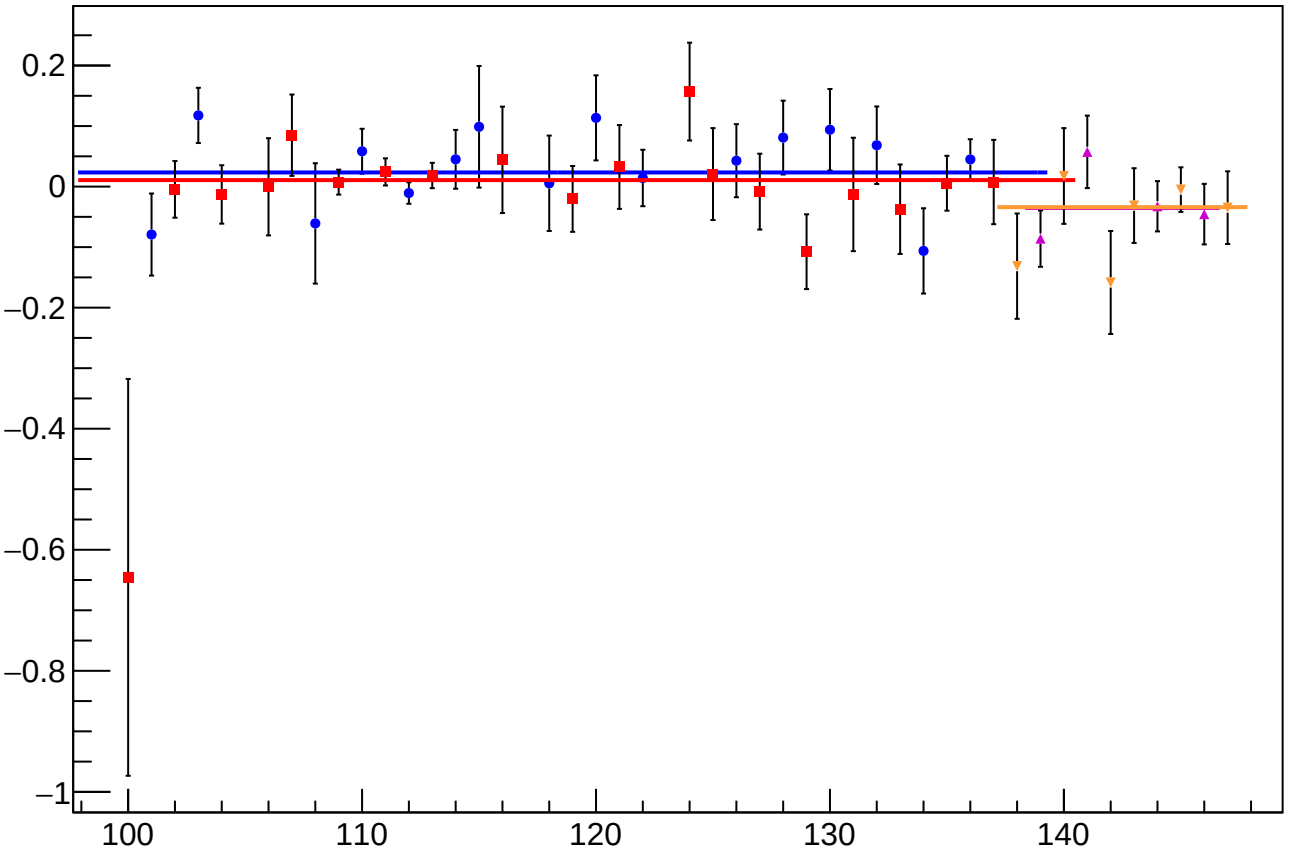
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

+ sign 29.274+/-0.007 χ^2/NDF: 5116873.2/21

All: 27.119+/-0.005 χ^2/NDF: 9696470.2/44

- sign 25.365+/-0.006 χ^2/NDF: 4413361.6/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

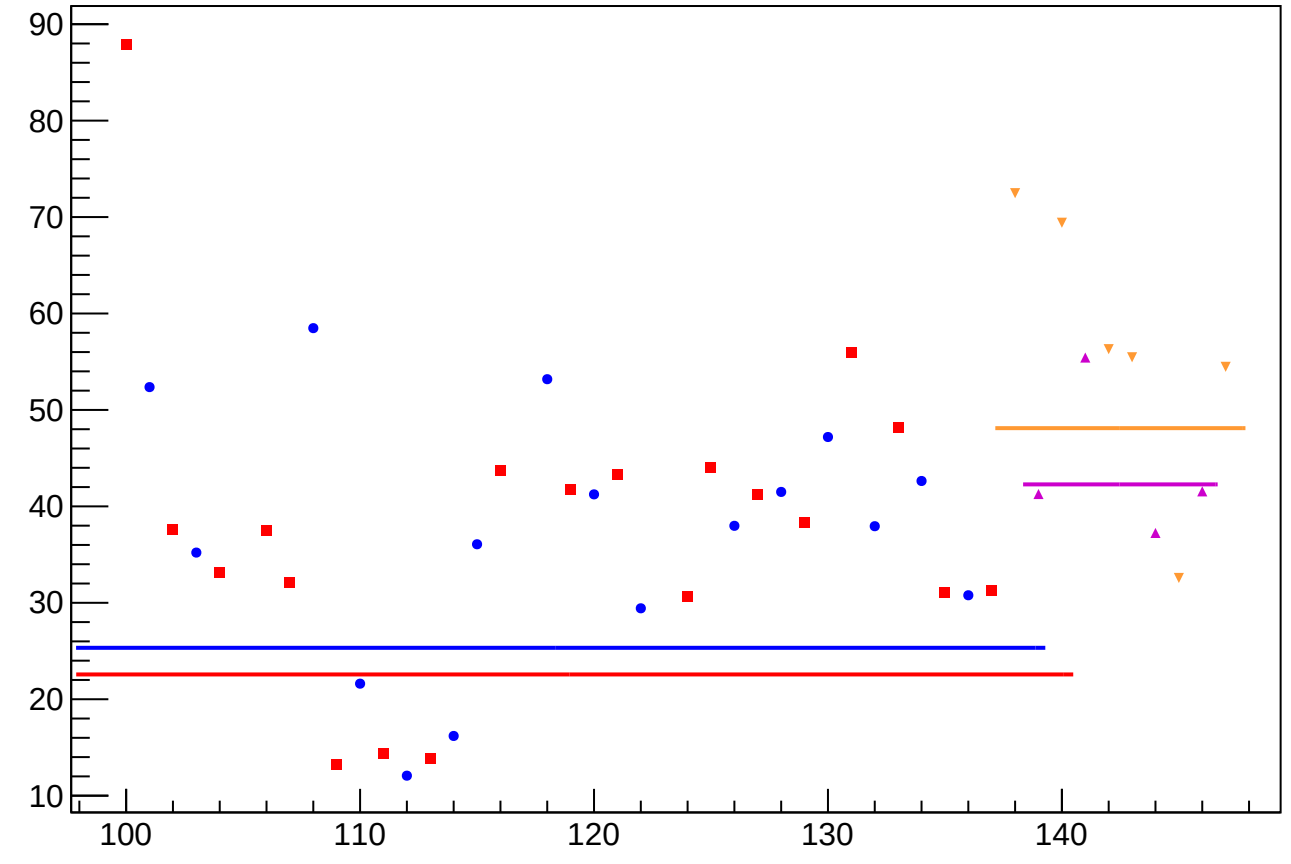
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.008+/-0.007 χ^2/NDF: 51.3/44

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

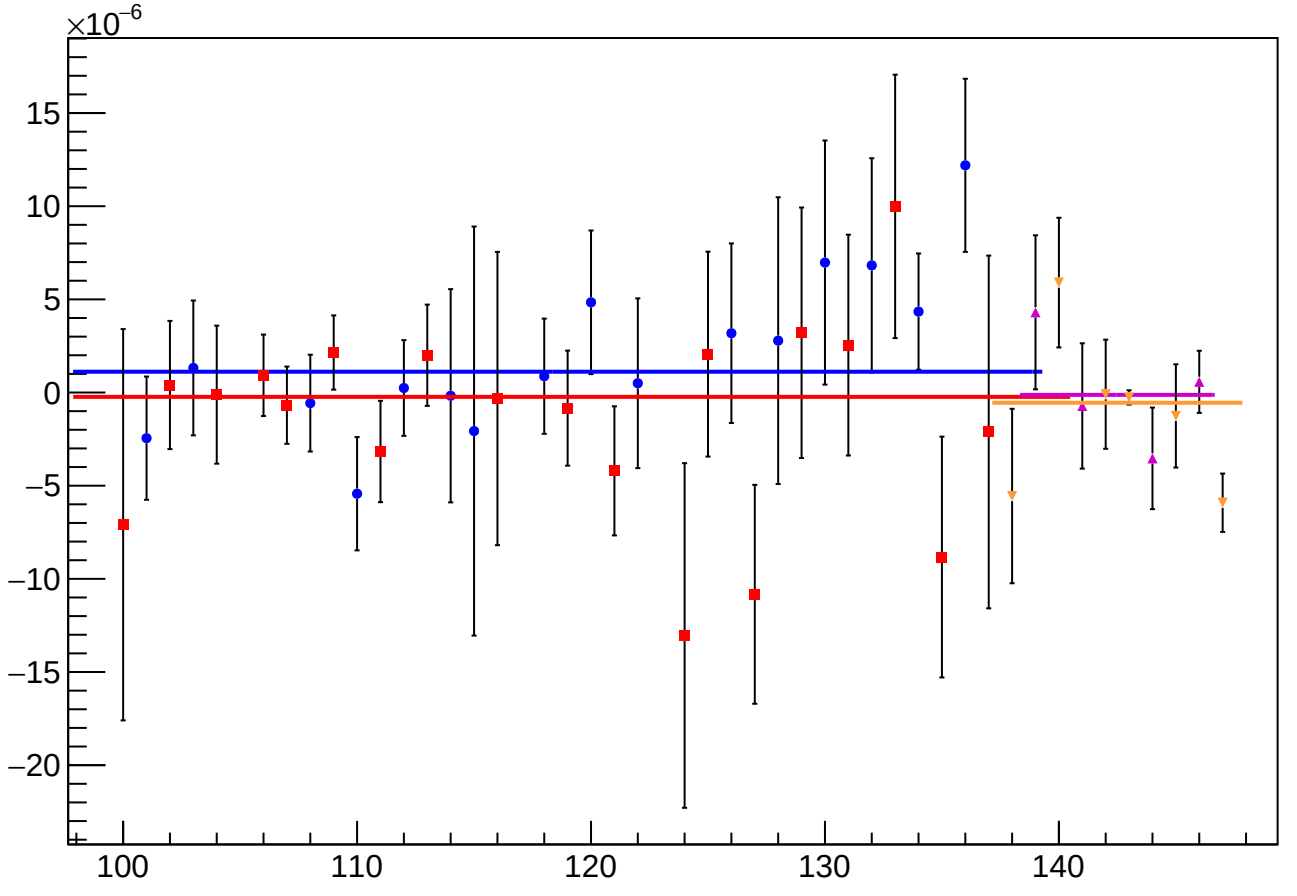
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

+ sign 29.274+/-0.007 χ^2/NDF: 5116873.2/21

All: 27.119+/-0.005 χ^2/NDF: 9696470.2/44

- sign 25.365+/-0.006 χ^2/NDF: 4413361.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/5

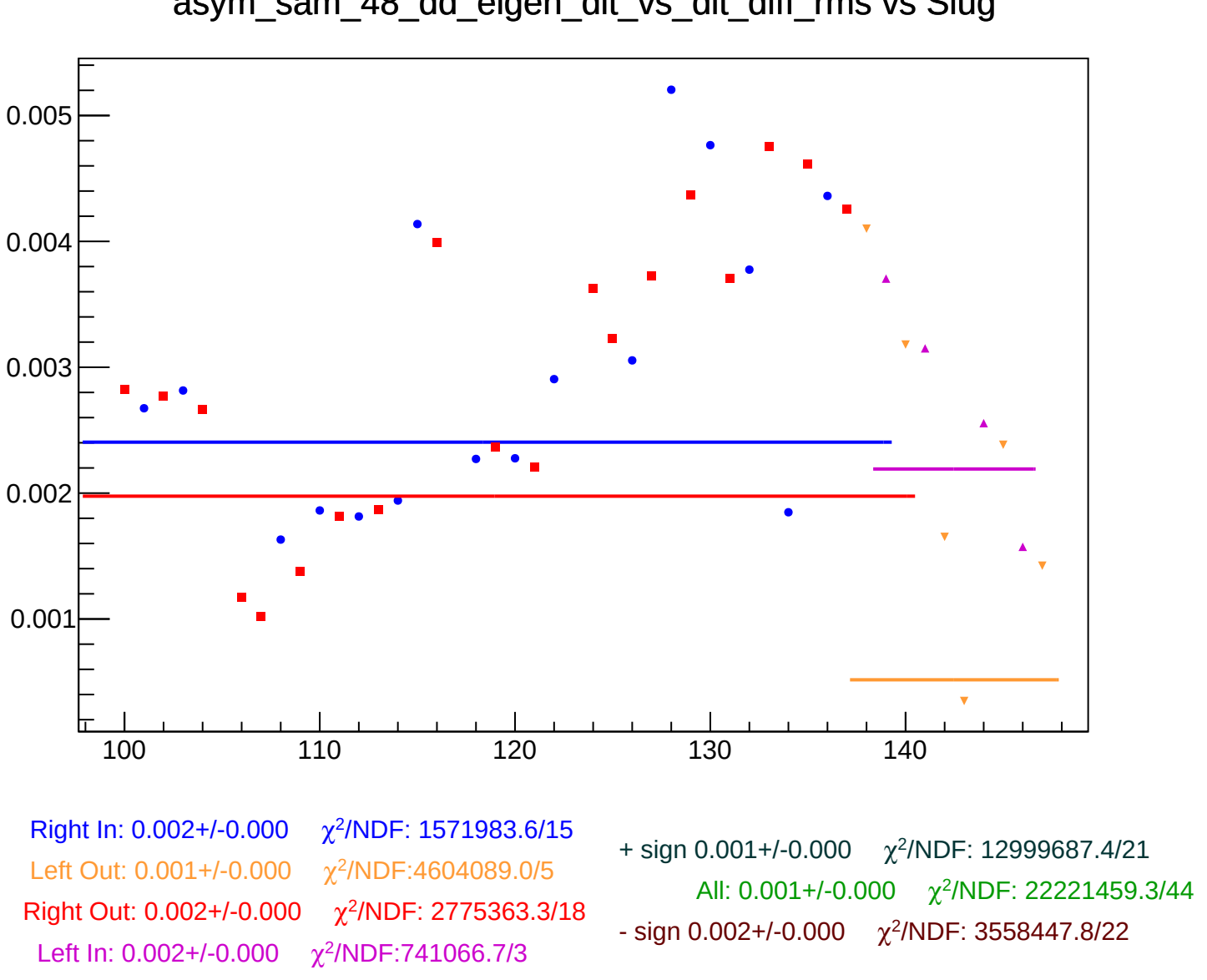
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

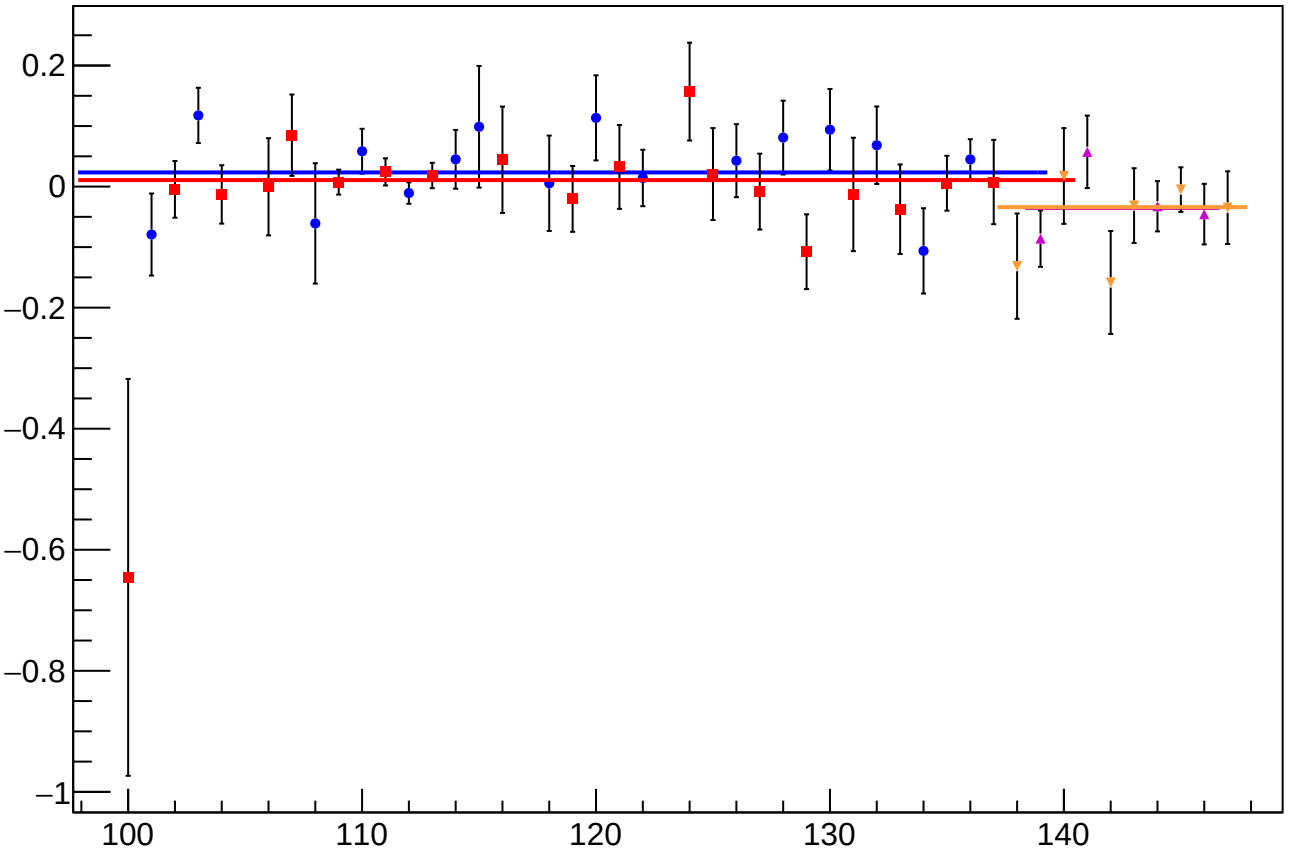
Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/21

All: -0.000+/-0.000 χ^2/NDF: 53.9/44

- sign -0.000+/-0.000 χ^2/NDF: 18.1/22


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:4604089.0/5
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:741066.7/3
+ sign 0.001+/-0.000 χ²/NDF: 12999687.4/21
All: 0.001+/-0.000 χ²/NDF: 22221459.3/44
- sign 0.002+/-0.000 χ²/NDF: 3558447.8/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

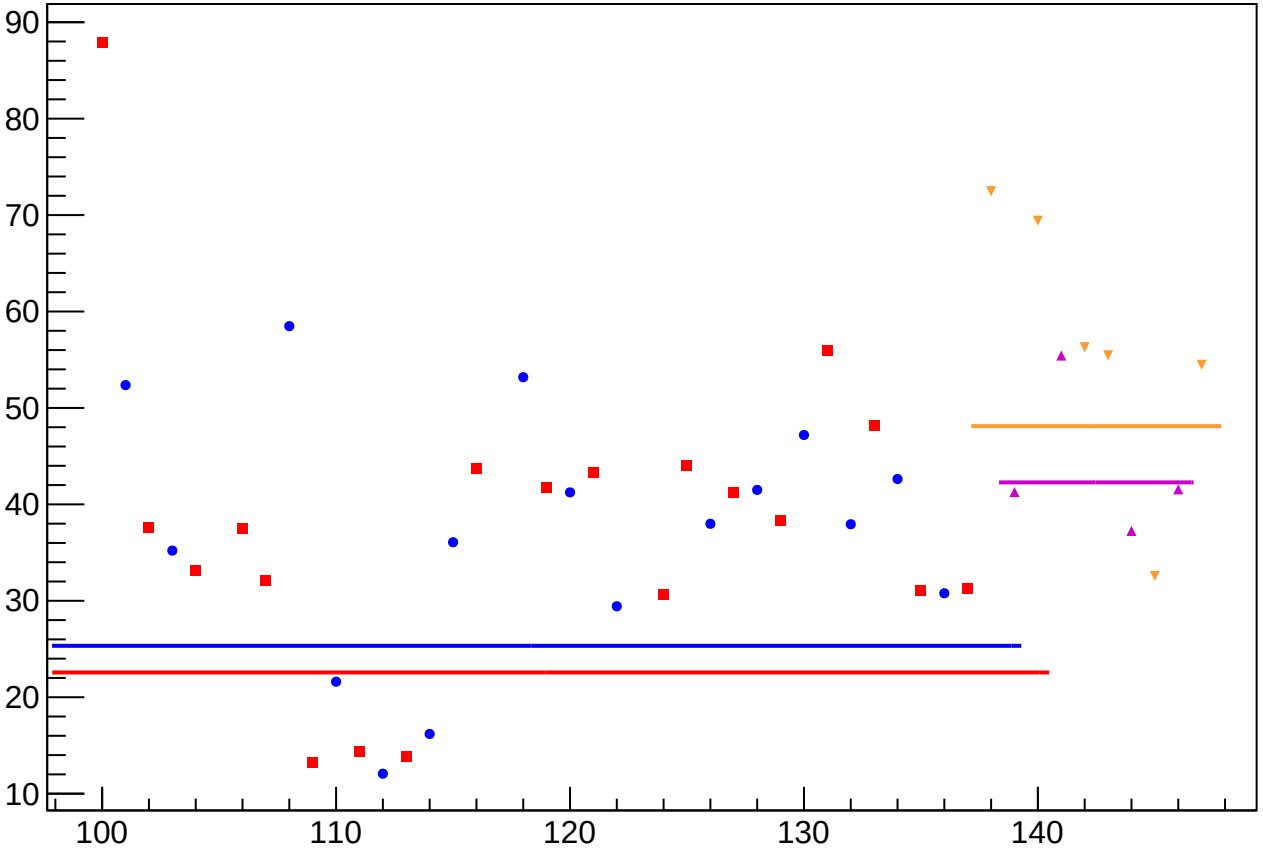
Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.008+/-0.007 χ^2/NDF: 51.3/44

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22

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: 48.111+/-0.017 χ^2/NDF:726784.7/5

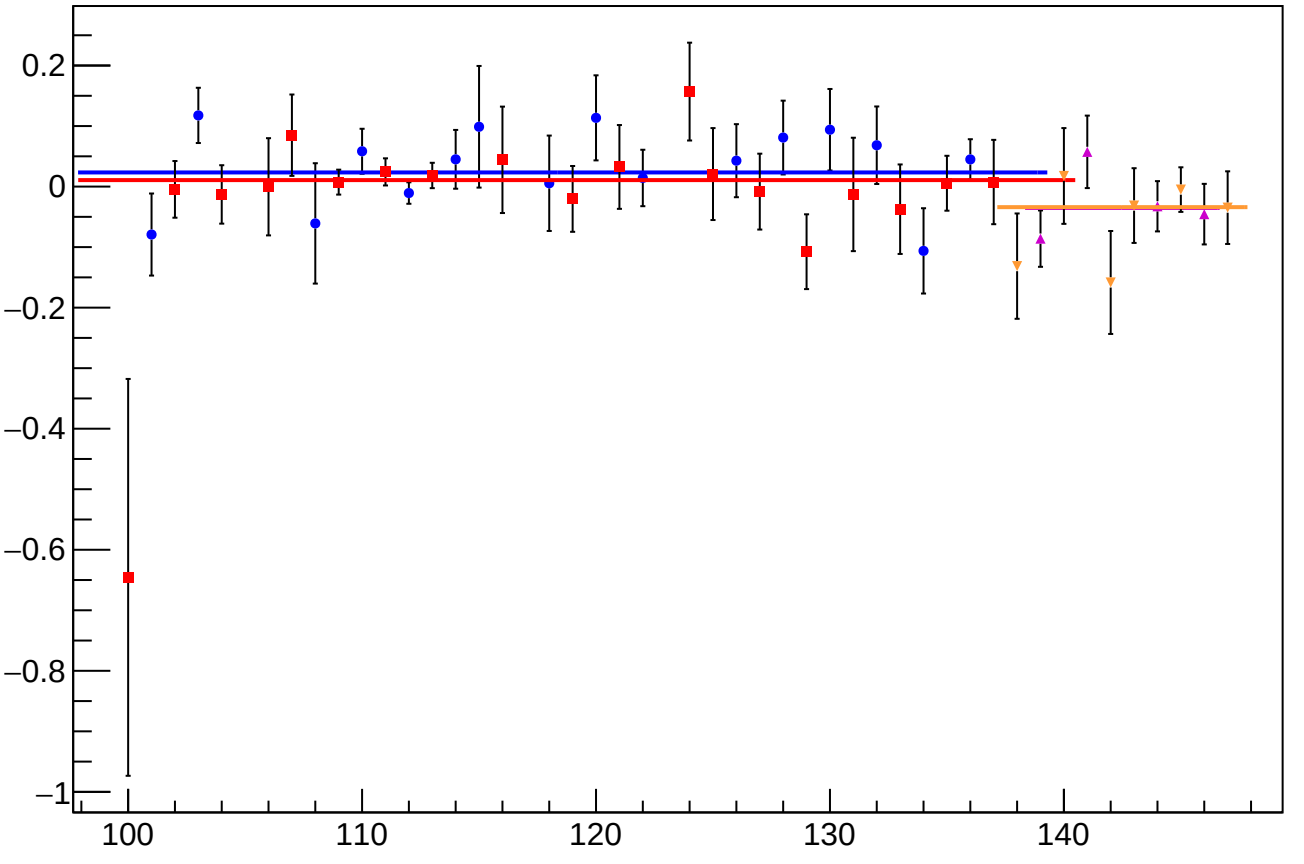
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

+ sign 29.272+/-0.007 χ^2/NDF: 5117484.2/21

All: 27.118+/-0.005 χ^2/NDF: 9697219.1/44

- sign 25.365+/-0.006 χ^2/NDF: 4413577.4/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

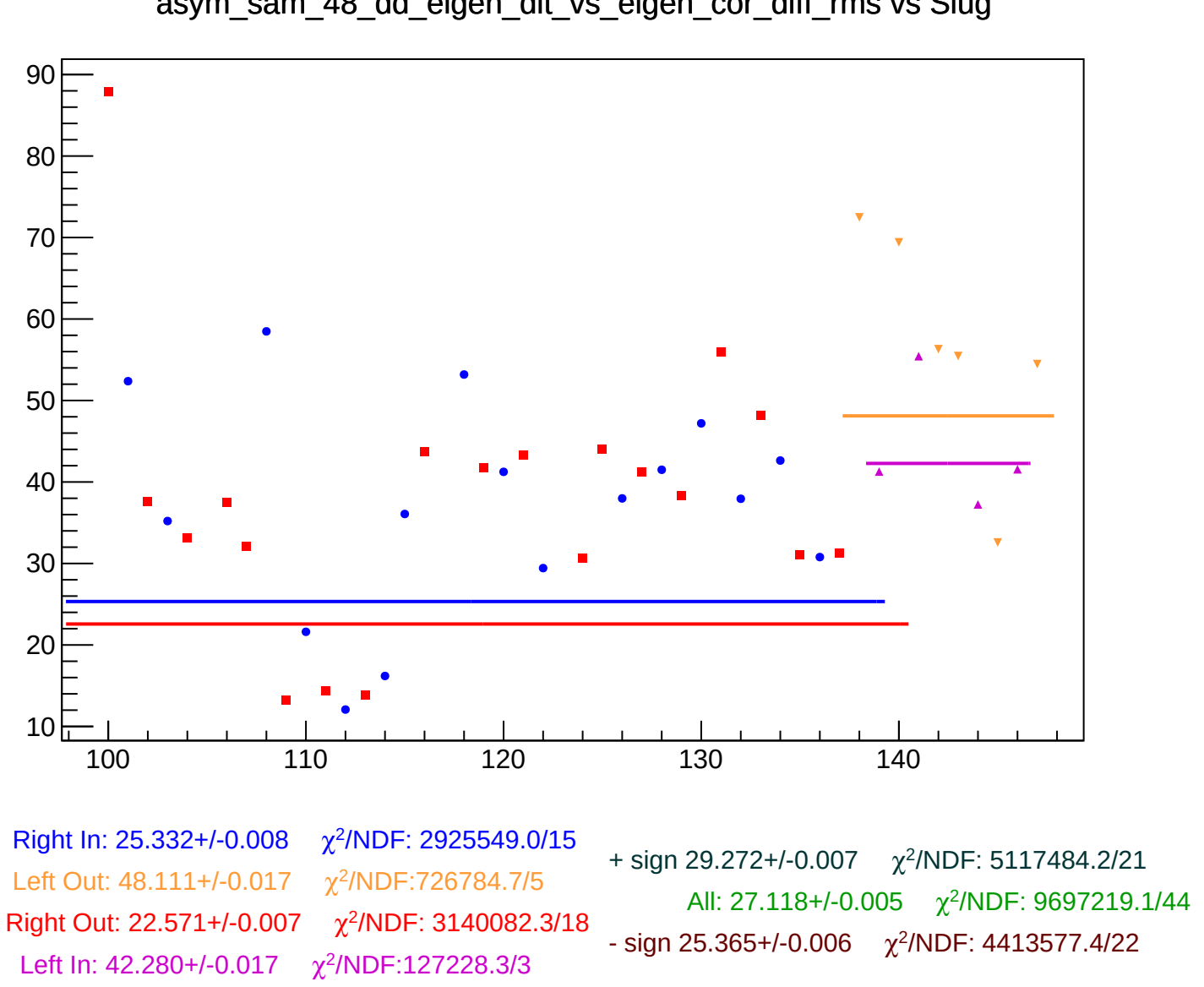
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.008+/-0.007 χ^2/NDF: 51.3/44

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
90
80
70
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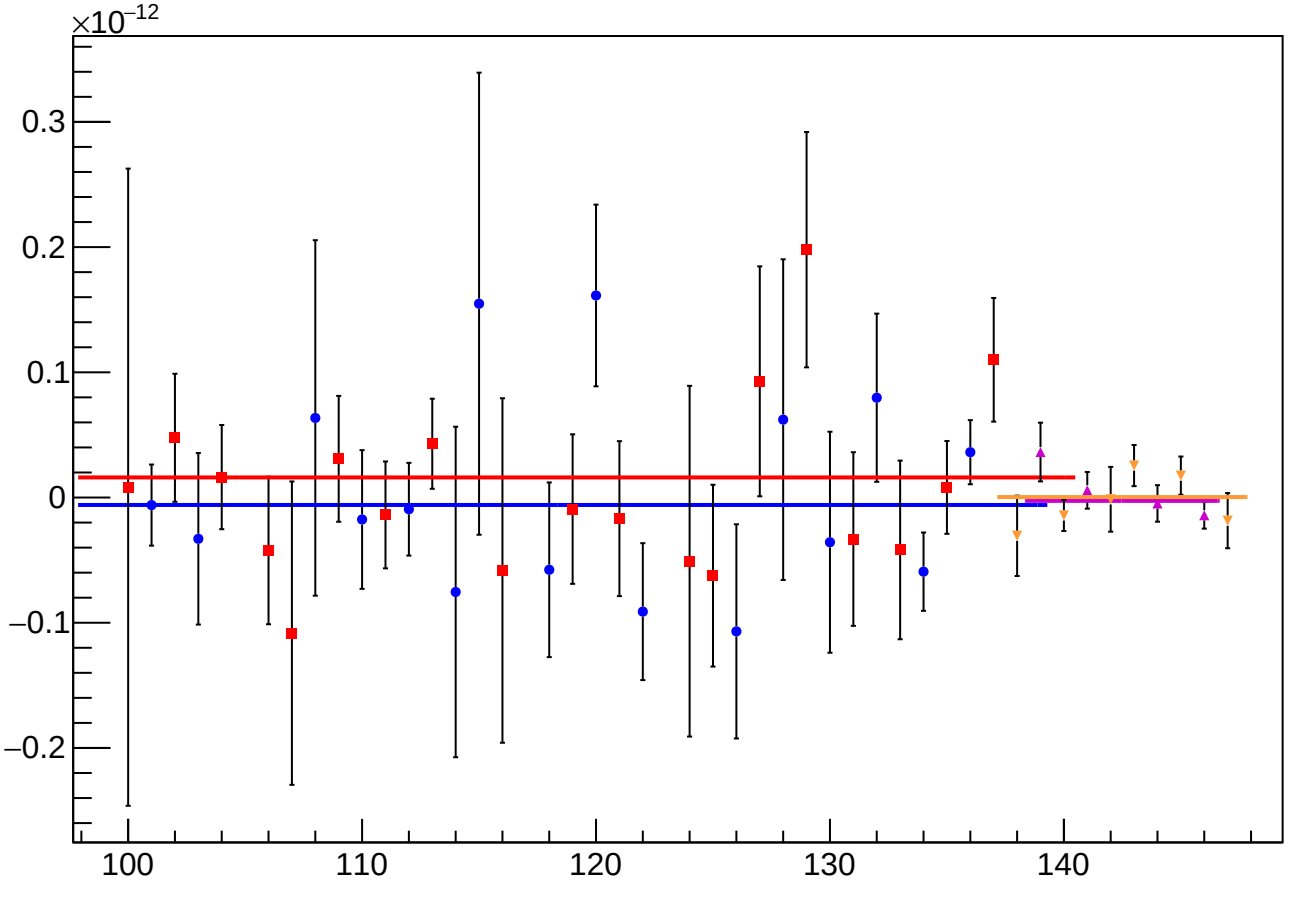
50
40
30
20
10
100
110
120
130
140
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 48.111+/-0.017 χ²/NDF:726784.7/5
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 42.280+/-0.017 χ²/NDF:127228.3/3
+ sign 29.272+/-0.007 χ²/NDF: 5117484.2/21
All: 27.118+/-0.005 χ²/NDF: 9697219.1/44
- sign 25.365+/-0.006 χ²/NDF: 4413577.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/5

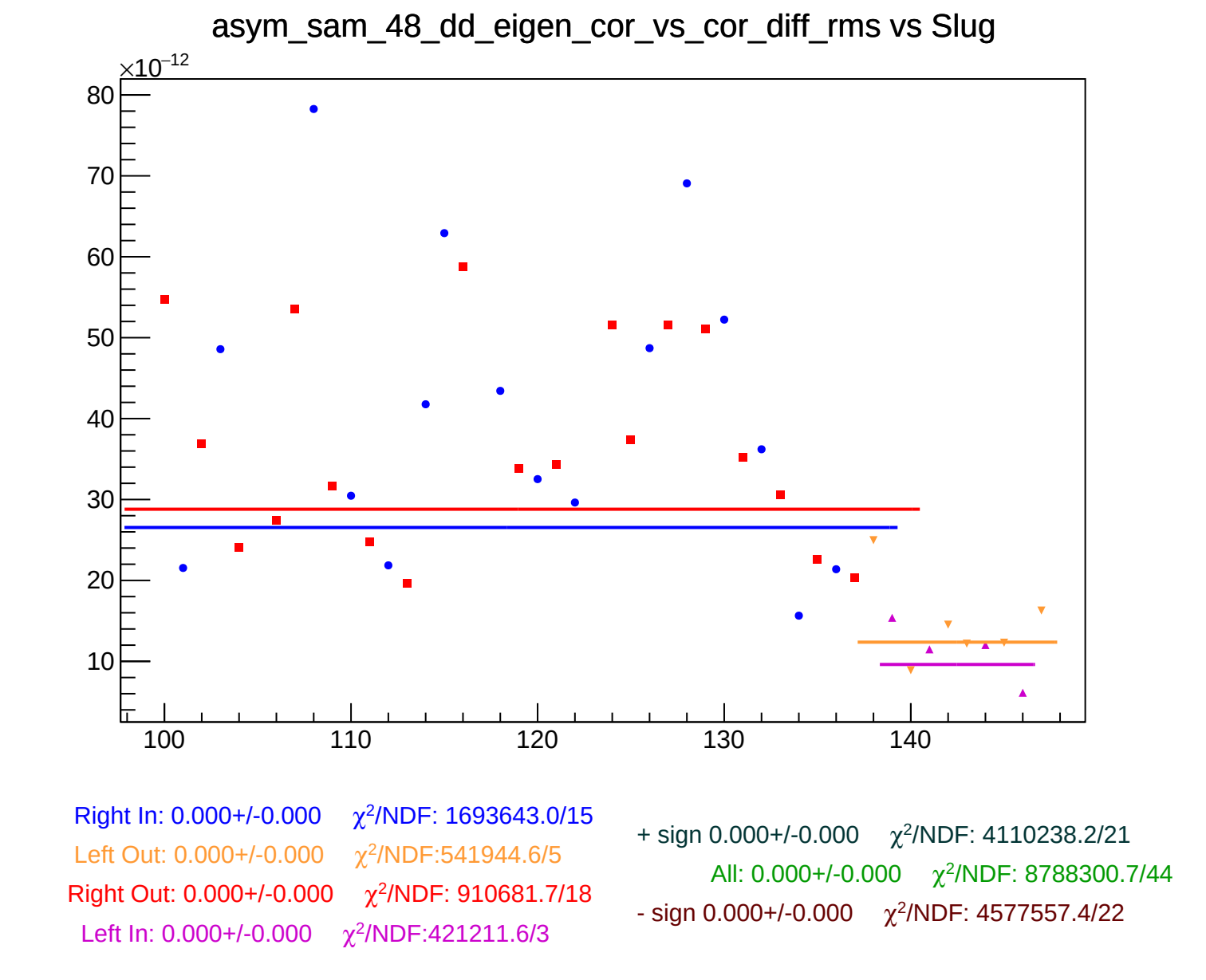
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/3

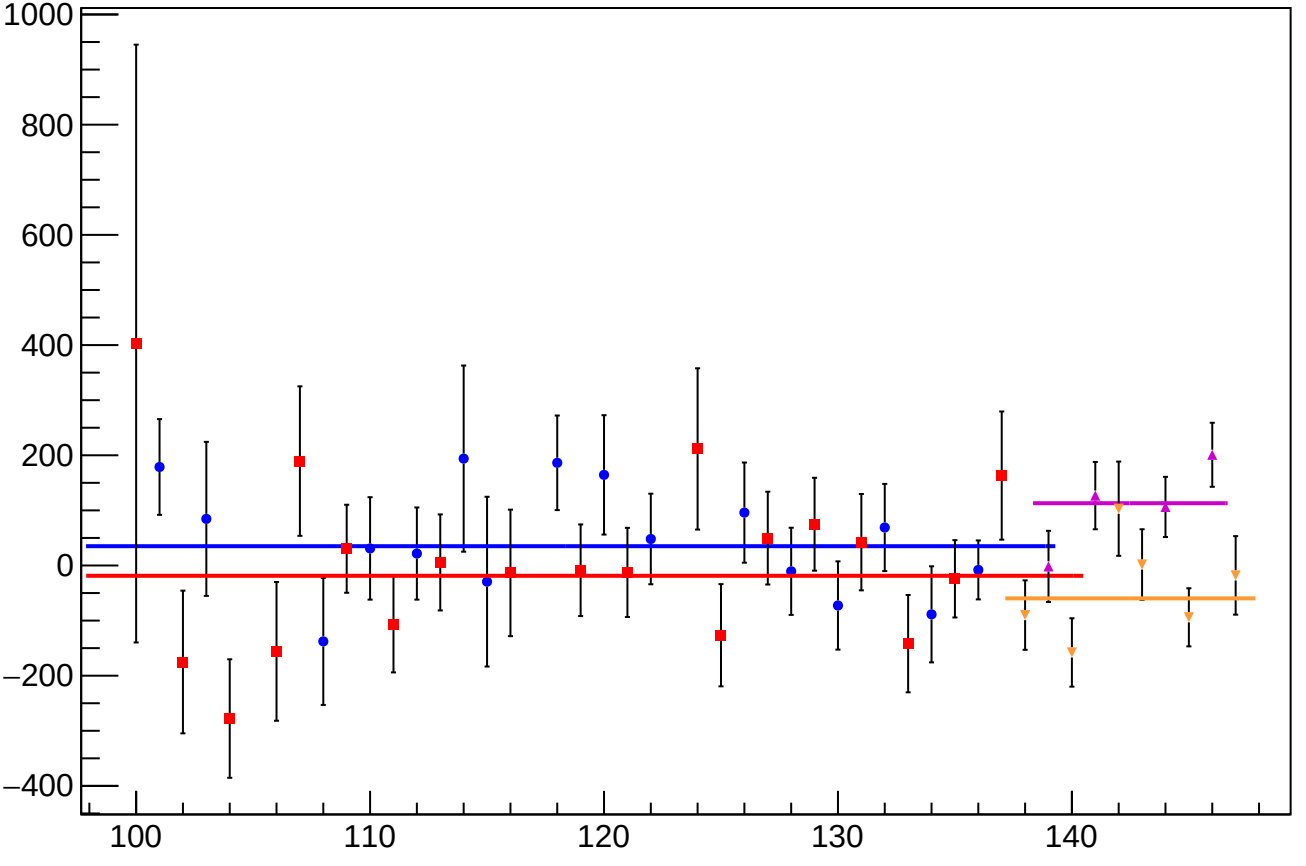
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/21

All: 0.000+/-0.000 χ^2/NDF: 46.5/44

- sign 0.000+/-0.000 χ^2/NDF: 20.8/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:541944.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:421211.6/3
+ sign 0.000+/-0.000 χ²/NDF: 4110238.2/21
All: 0.000+/-0.000 χ²/NDF: 8788300.7/44
- sign 0.000+/-0.000 χ²/NDF: 4577557.4/22

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.677+/-26.268 χ^2/NDF:8.0/5

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

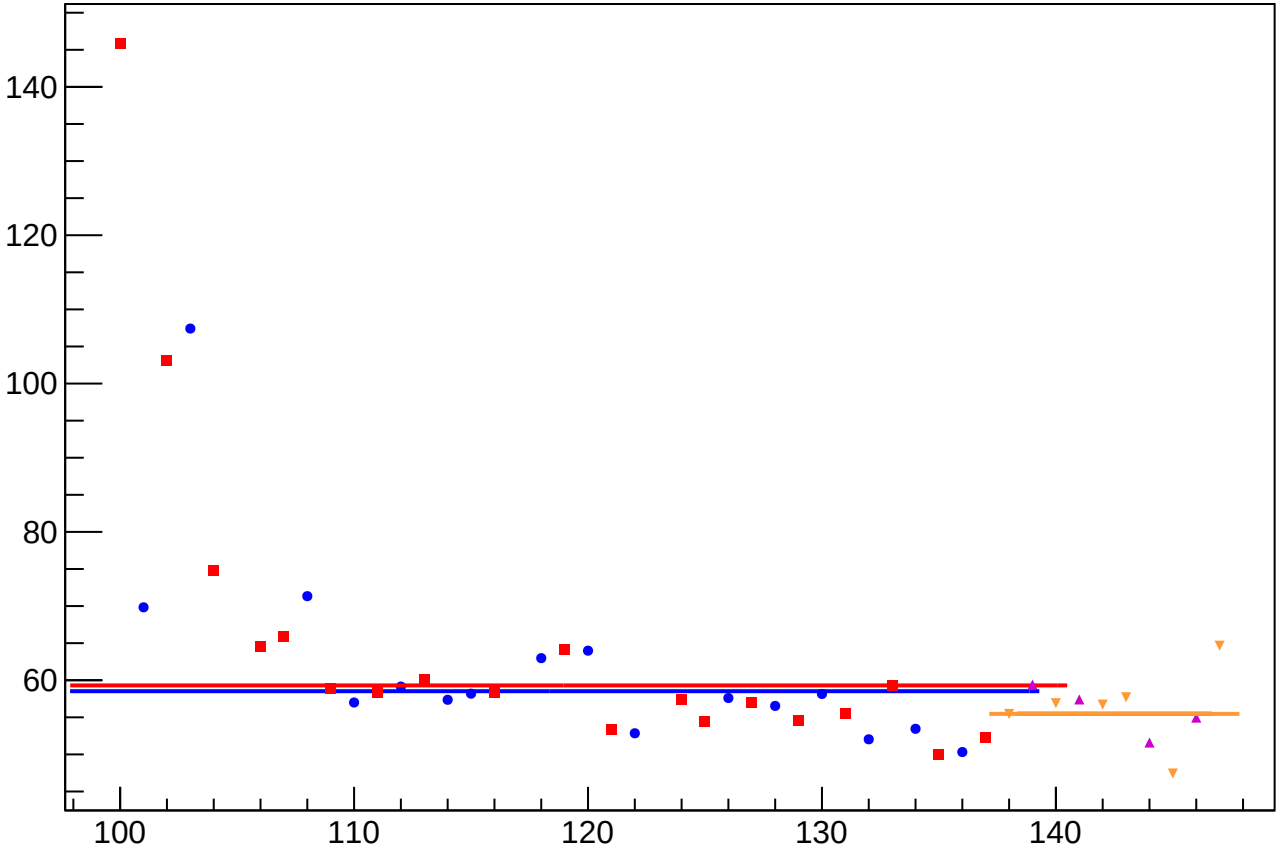
Left In: 113.017+/-29.634 χ^2/NDF:5.5/3

+ sign -4.301+/-16.926 χ^2/NDF: 31.8/21

All: 11.327+/-12.245 χ^2/NDF: 75.3/44

- sign 28.483+/-17.735 χ^2/NDF: 41.7/22

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

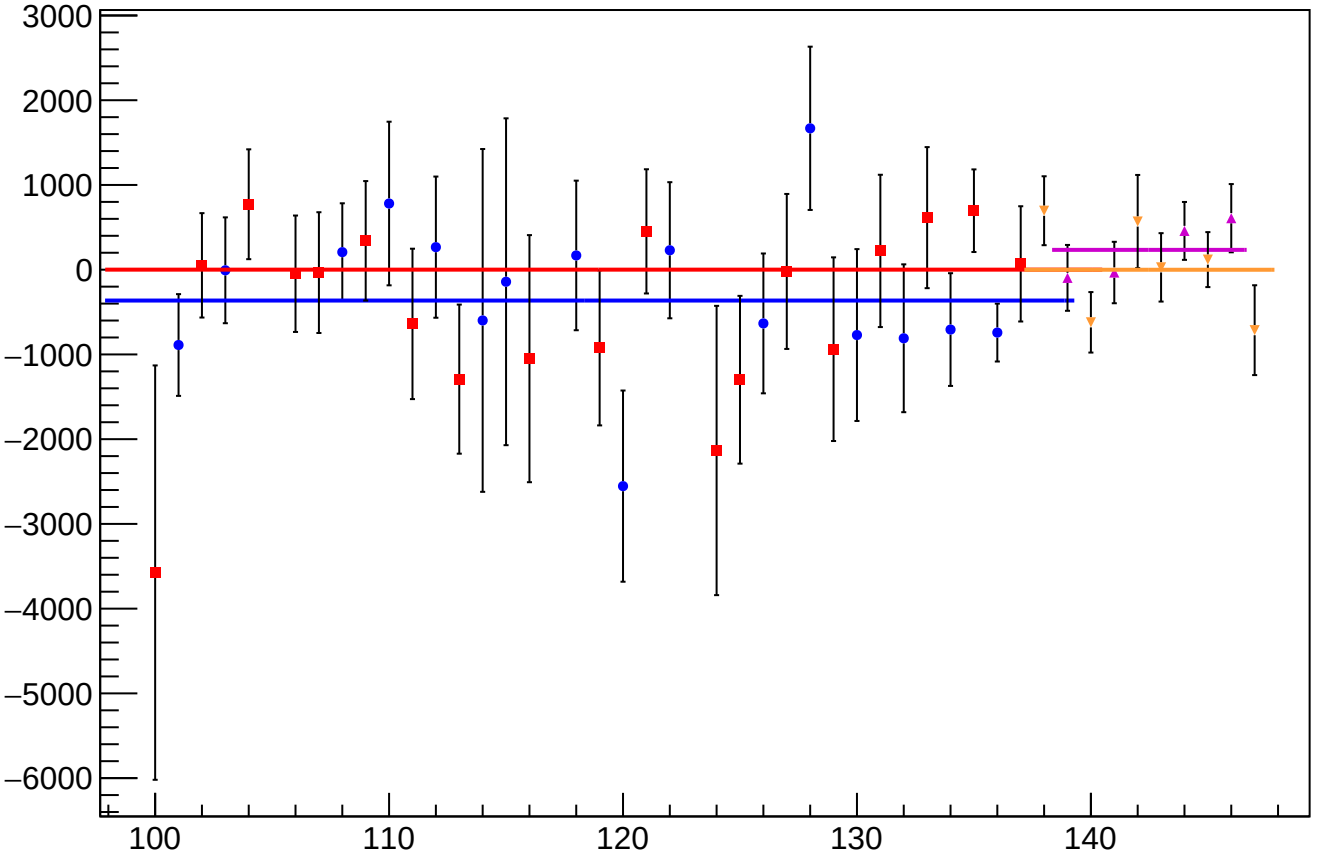
Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 57.253+/-0.012 χ^2/NDF: 492335.5/21

All: 57.578+/-0.009 χ^2/NDF: 941454.7/44

- sign 57.935+/-0.013 χ^2/NDF: 447569.3/22

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -0.786+/-165.737 χ^2/NDF:9.0/5

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

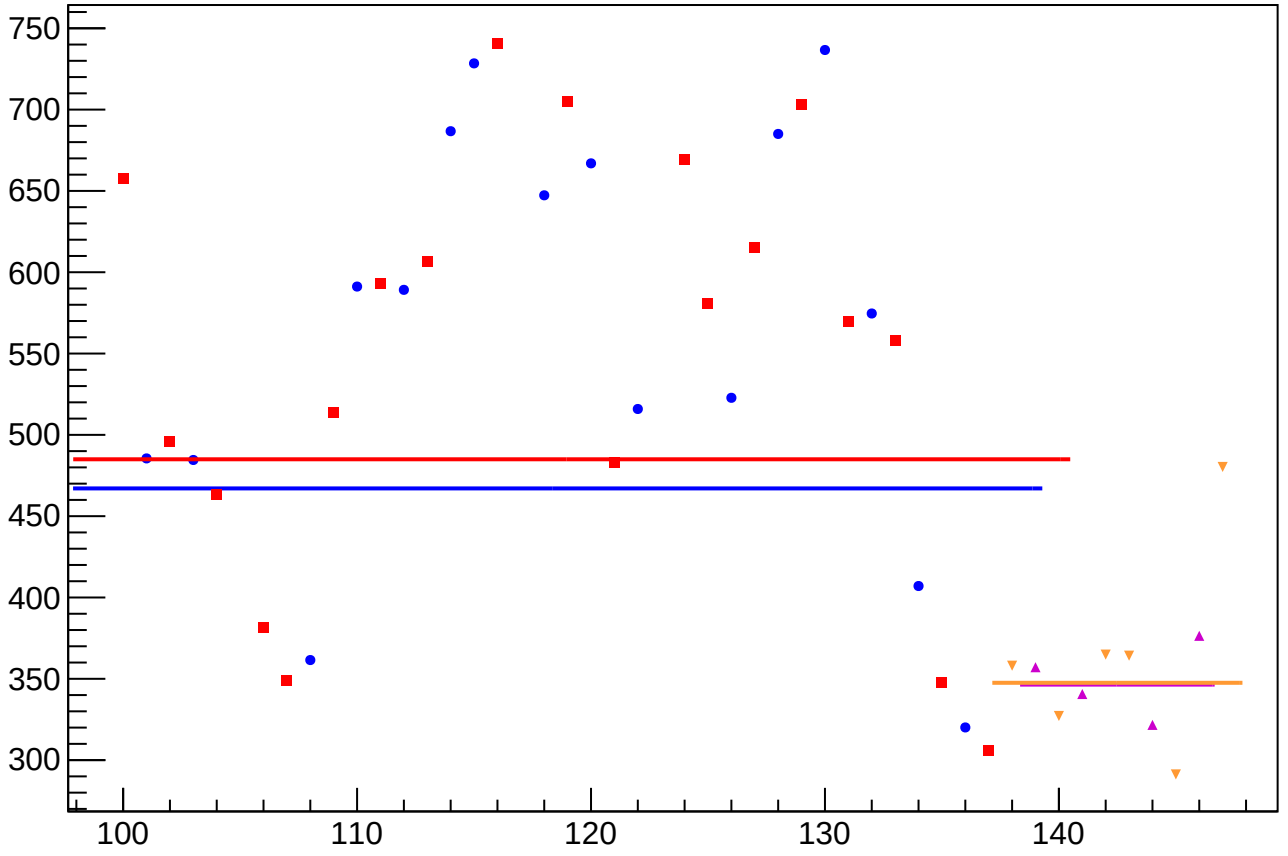
Left In: 233.938+/-185.806 χ^2/NDF:2.6/3

\+ sign -166.868+/-122.111 χ^2/NDF: 26.4/21

All: -34.941+/-89.136 χ^2/NDF: 47.3/44

\- sign 115.533+/-130.412 χ^2/NDF: 18.4/22

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 347.549+/-0.117 χ^2/NDF:198970.3/5

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

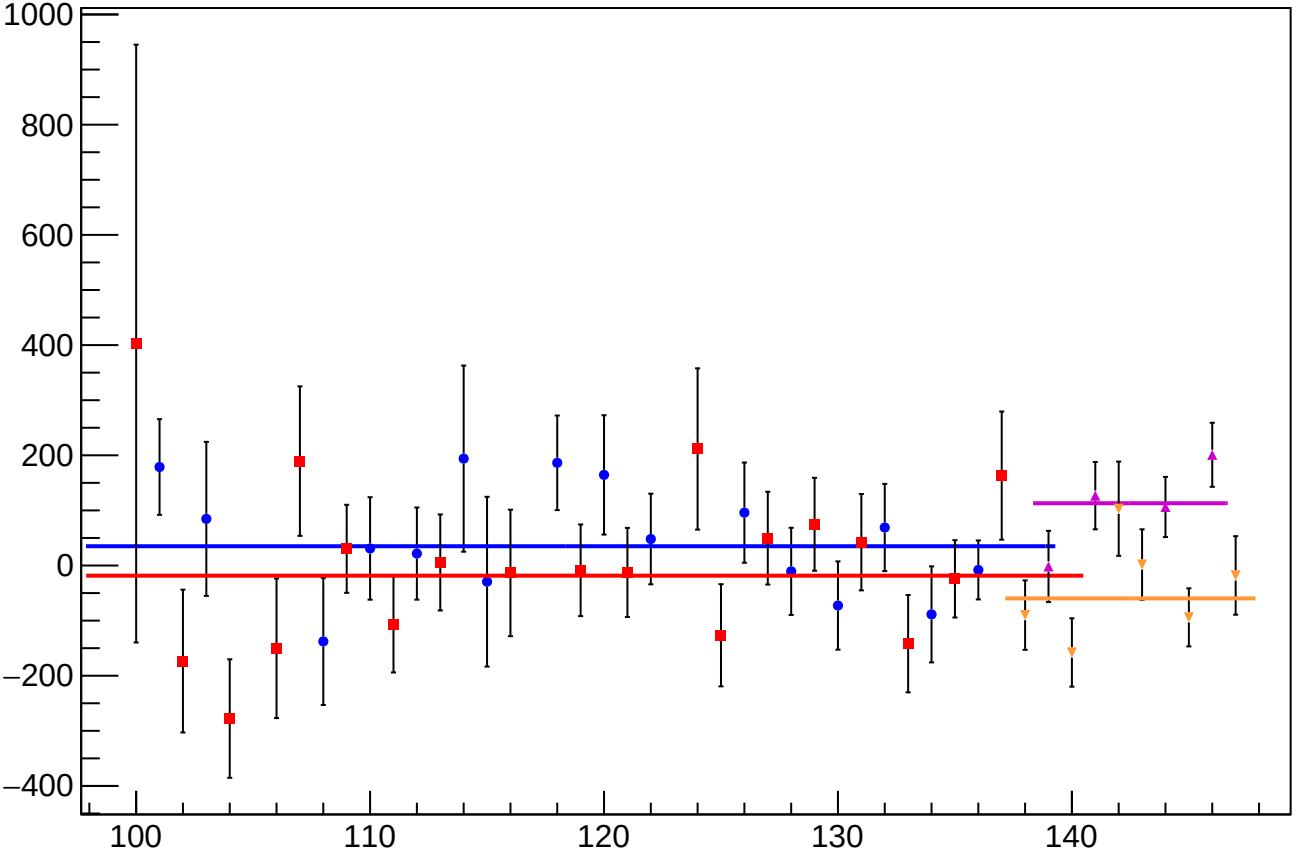
Left In: 346.430+/-0.131 χ^2/NDF:23626.4/3

+ sign 402.188+/-0.086 χ^2/NDF: 1704736.2/21

All: 408.981+/-0.063 χ^2/NDF: 3179950.1/44

- sign 416.728+/-0.092 χ^2/NDF: 1461967.9/22

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

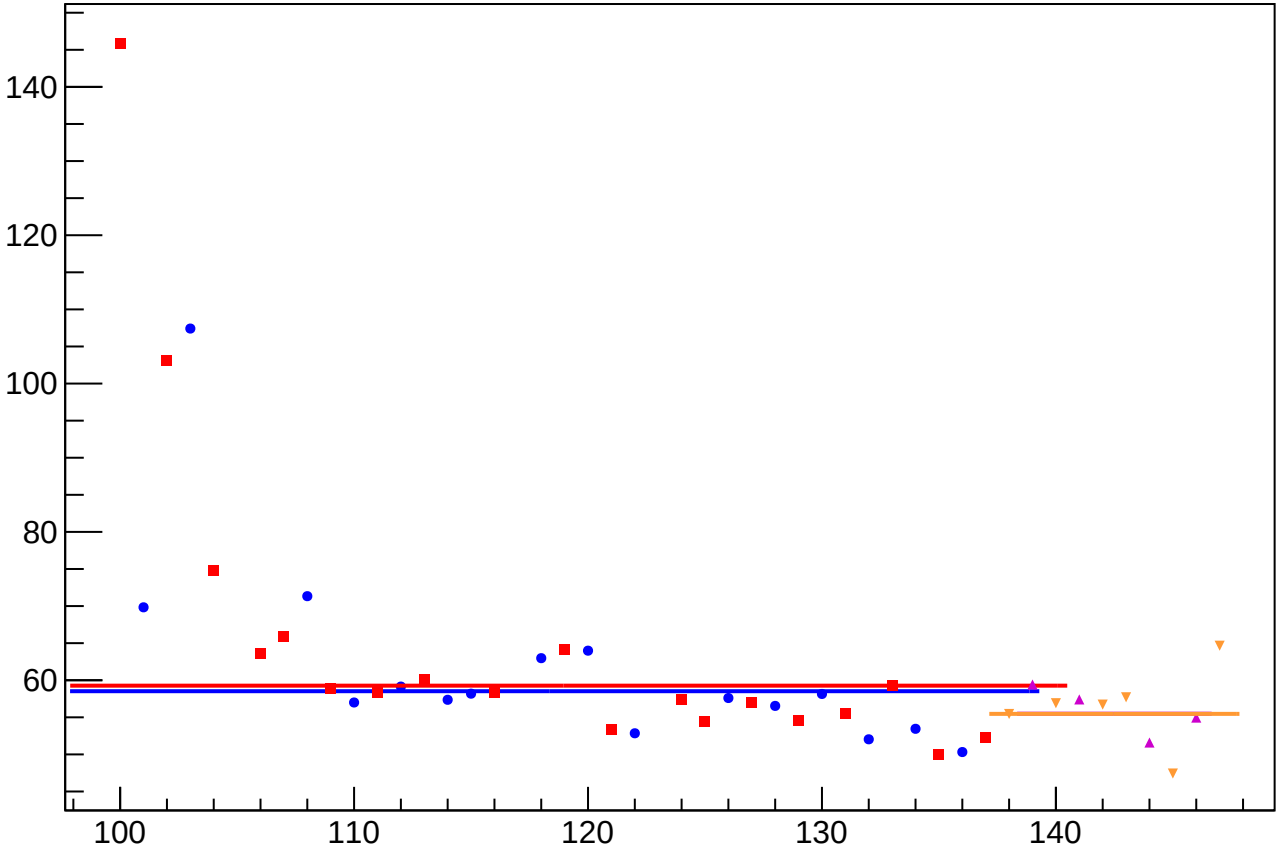
Left In: 113.020+/-29.634 χ^2/NDF:5.5/3

+ sign -4.303+/-16.926 χ^2/NDF: 31.8/21

All: 11.413+/-12.245 χ^2/NDF: 75.1/44

- sign 28.671+/-17.737 χ^2/NDF: 41.5/22

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

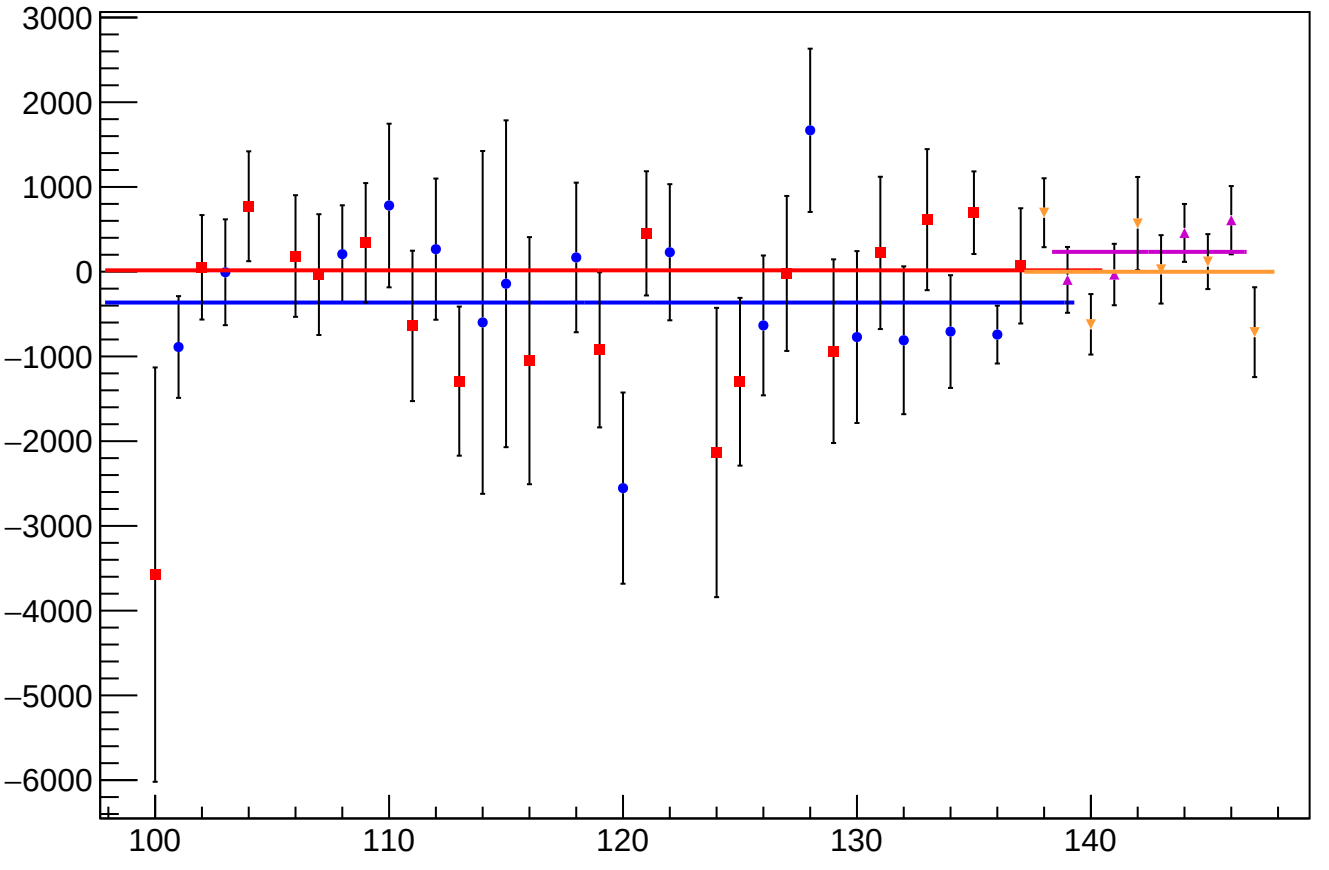
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 57.253+/-0.012 χ^2/NDF: 492337.6/21

All: 57.568+/-0.009 χ^2/NDF: 940012.5/44

- sign 57.915+/-0.013 χ^2/NDF: 446218.0/22



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

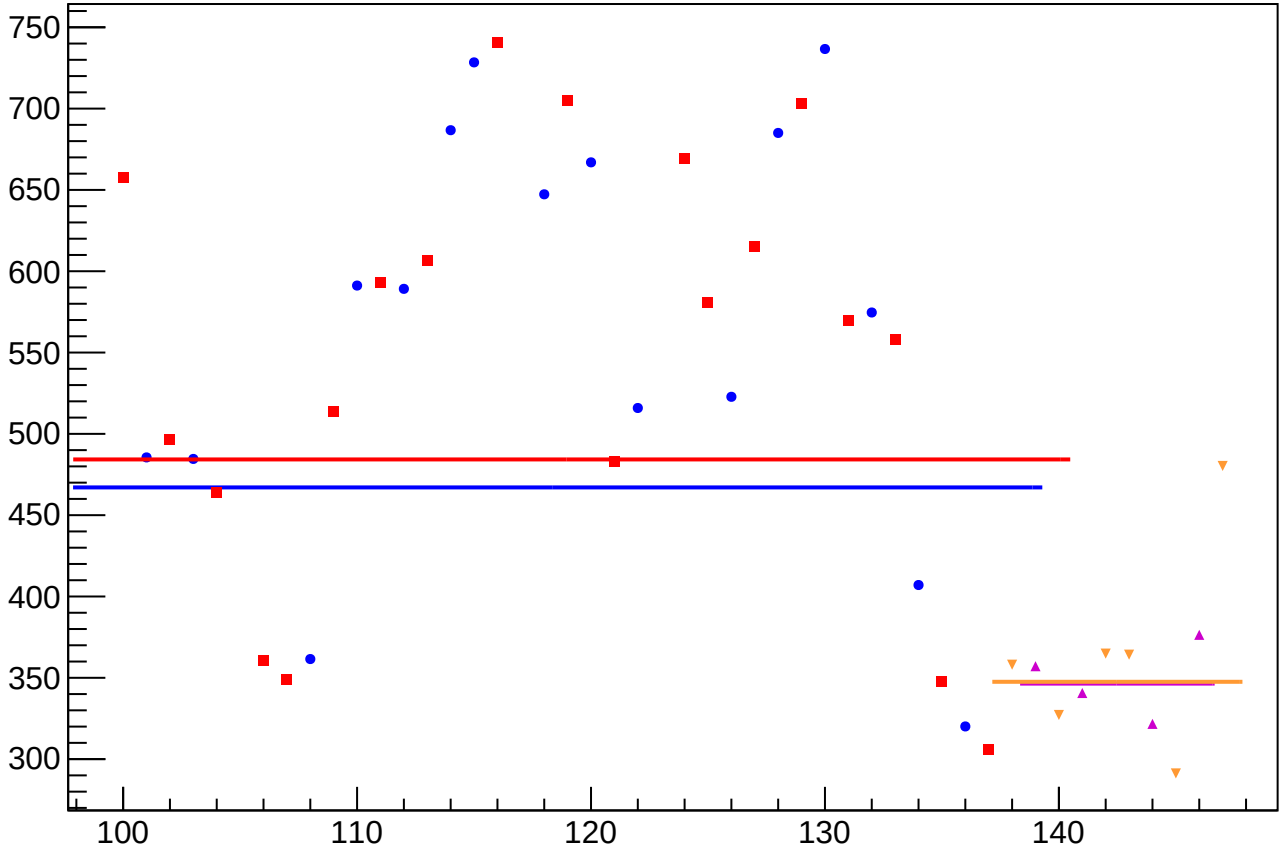
Left In: 233.936+/-185.806 χ^2/NDF:2.6/3

\+ sign -166.853+/-122.111 χ^2/NDF: 26.4/21

All: -31.324+/-89.201 χ^2/NDF: 47.4/44

\- sign 123.740+/-130.616 χ^2/NDF: 18.4/22

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

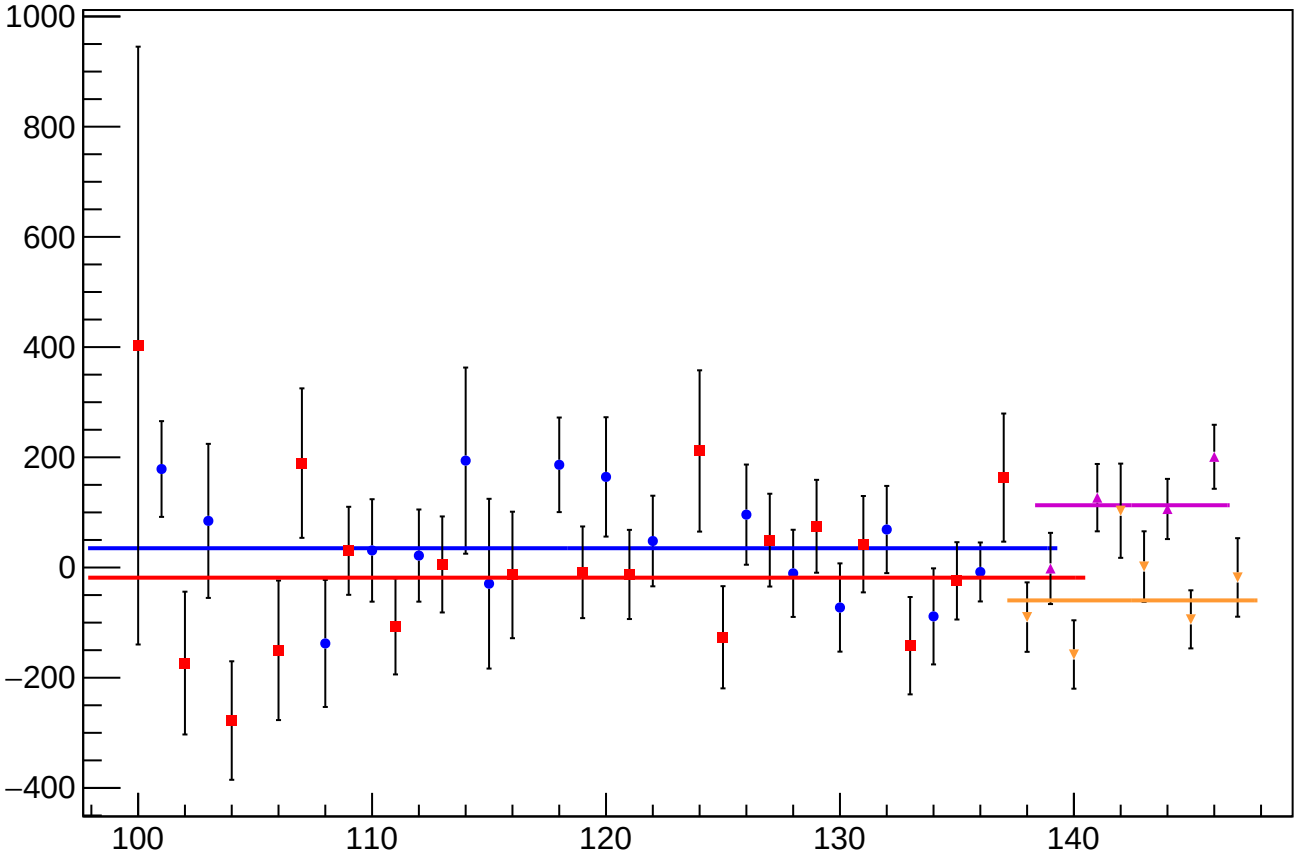
Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

+ sign 402.189+/-0.086 χ^2/NDF: 1704757.6/21

All: 408.703+/-0.063 χ^2/NDF: 3186175.0/44

- sign 416.156+/-0.092 χ^2/NDF: 1469214.2/22

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

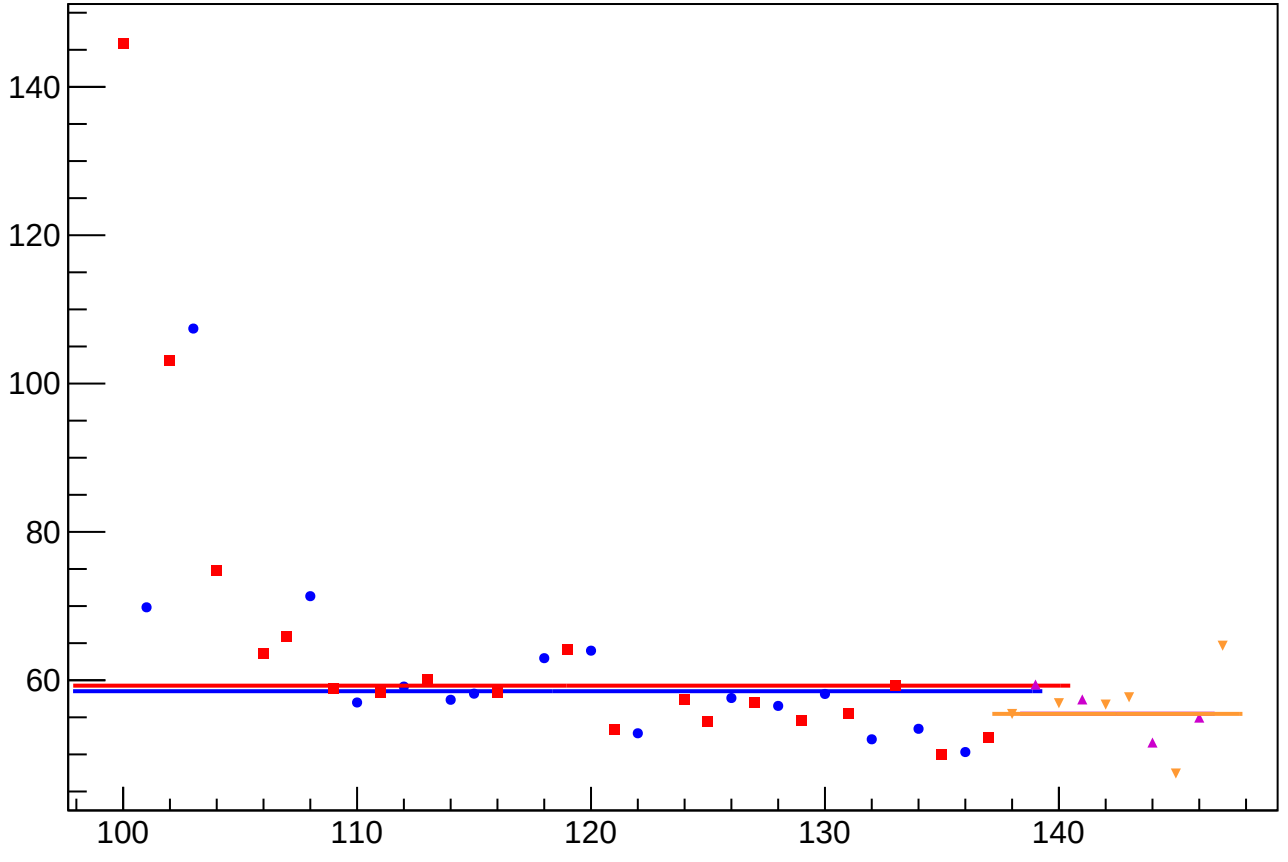
Left In: 113.020+/-29.634 χ^2/NDF:5.5/3

+ sign -4.303+/-16.926 χ^2/NDF: 31.8/21

All: 11.413+/-12.245 χ^2/NDF: 75.1/44

- sign 28.671+/-17.737 χ^2/NDF: 41.5/22

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

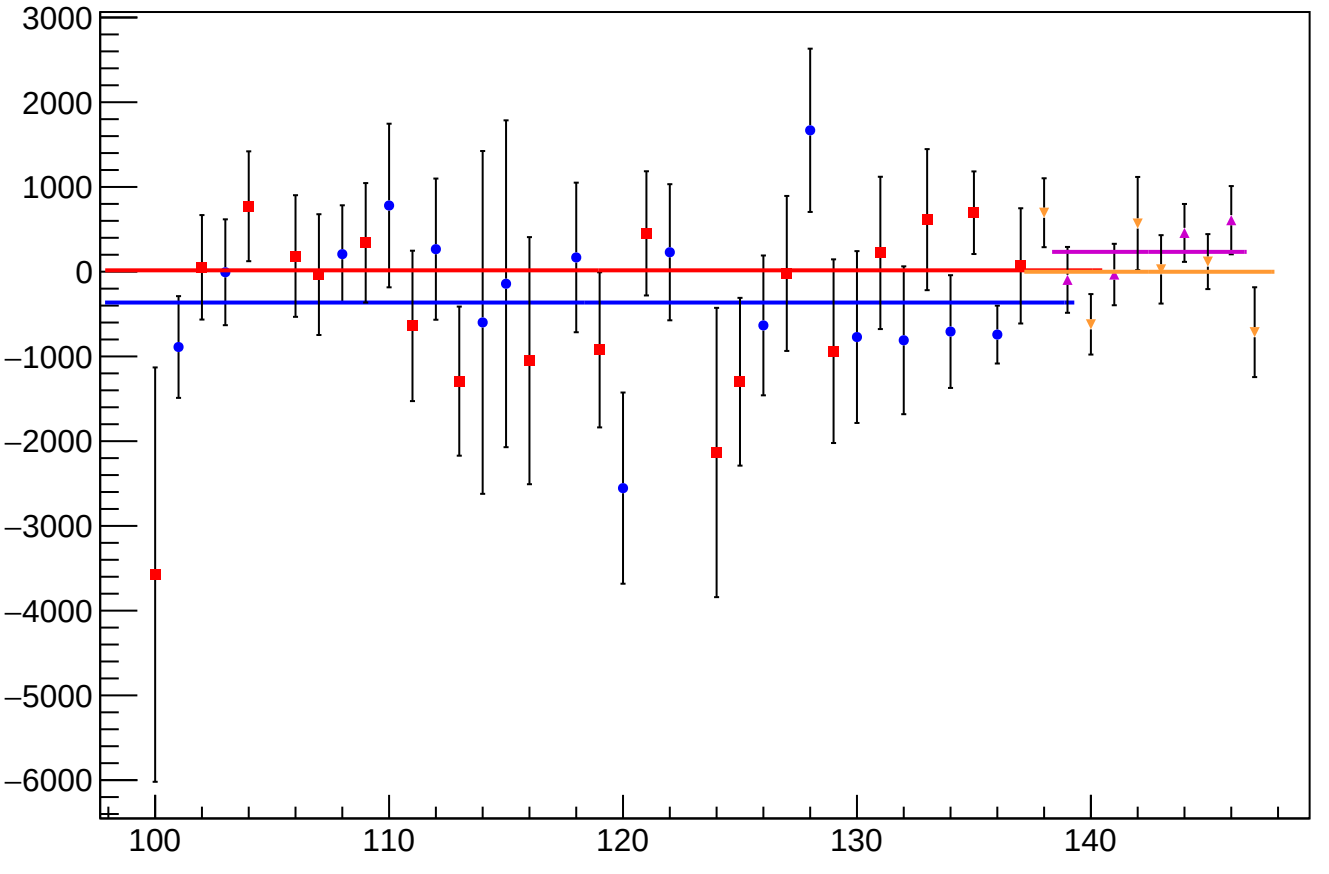
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 57.253+/-0.012 χ^2/NDF: 492337.6/21

All: 57.568+/-0.009 χ^2/NDF: 940012.5/44

- sign 57.915+/-0.013 χ^2/NDF: 446218.0/22



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

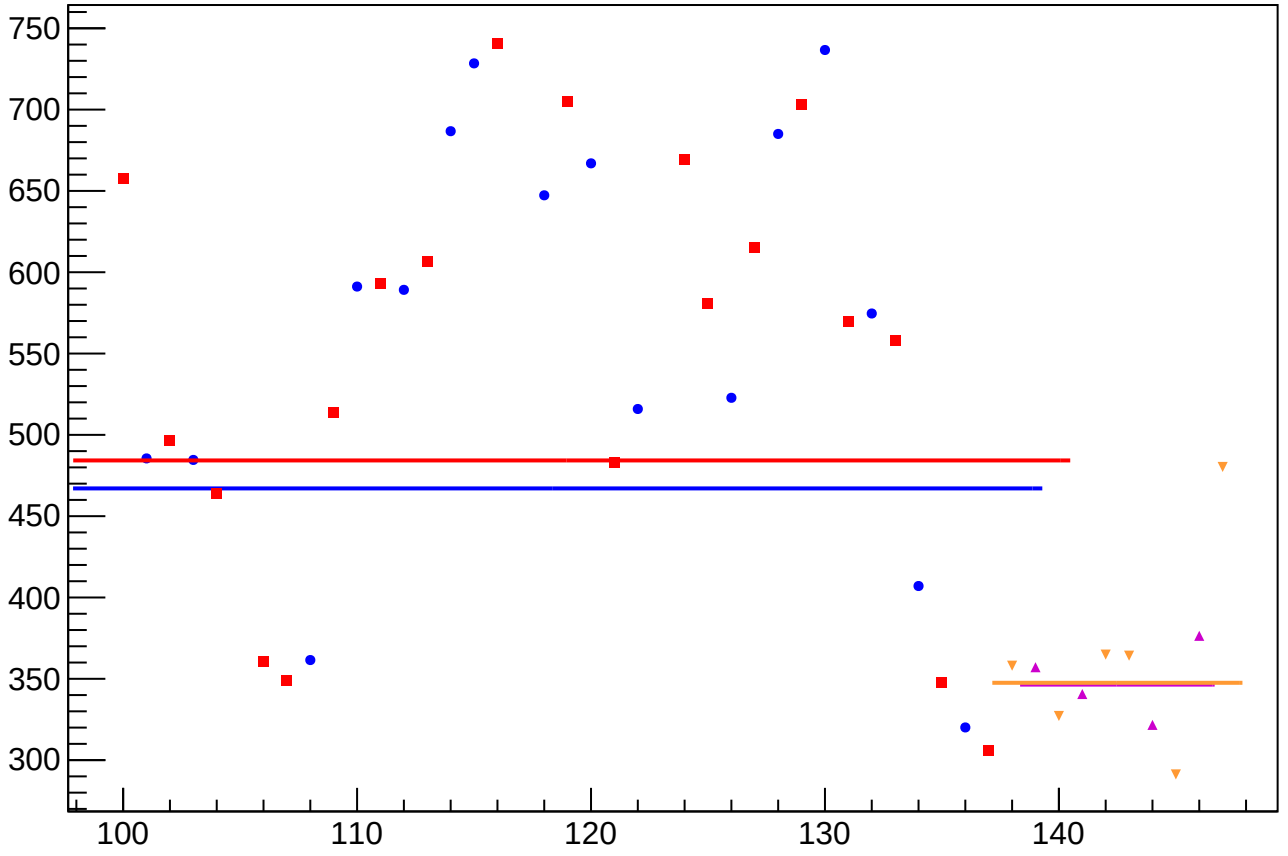
Left In: 233.936+/-185.806 χ^2/NDF:2.6/3

\+ sign -166.853+/-122.111 χ^2/NDF: 26.4/21

All: -31.324+/-89.201 χ^2/NDF: 47.4/44

\- sign 123.740+/-130.616 χ^2/NDF: 18.4/22

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

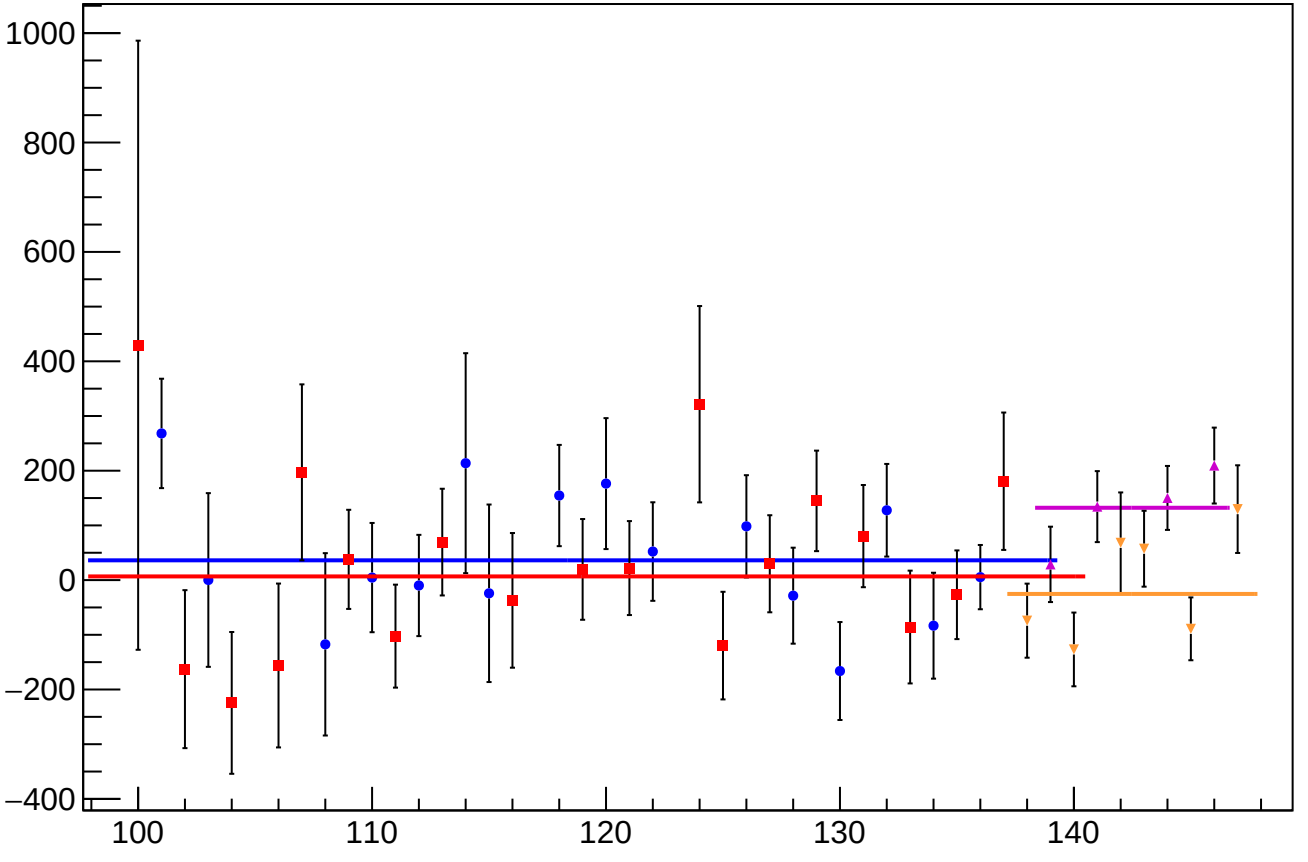
Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

+ sign 402.189+/-0.086 χ^2/NDF: 1704757.6/21

All: 408.703+/-0.063 χ^2/NDF: 3186175.0/44

- sign 416.156+/-0.092 χ^2/NDF: 1469214.2/22

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

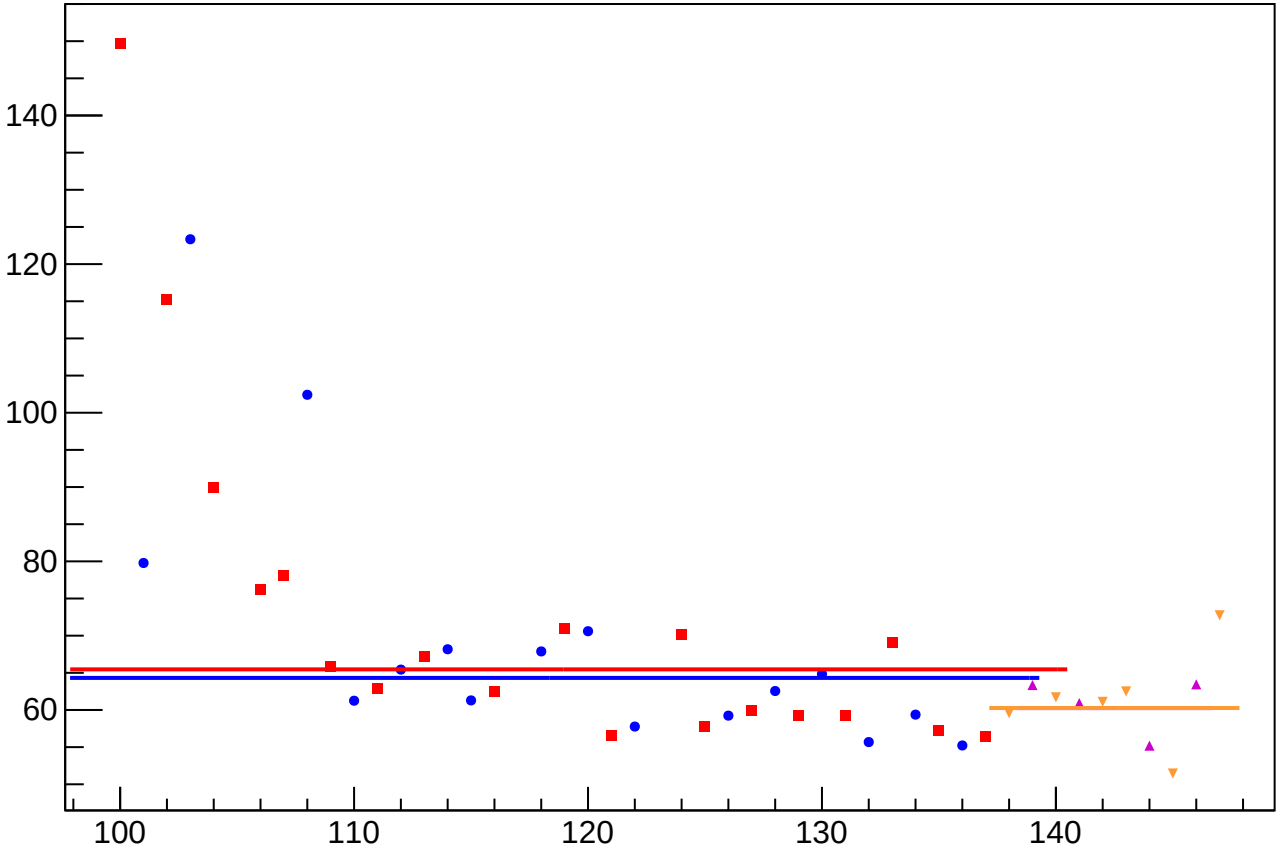
Left In: 132.241+/-32.474 χ^2/NDF:3.6/3

\+ sign 10.180+/-18.593 χ^2/NDF: 32.5/21

All: 30.194+/-13.486 χ^2/NDF: 68.4/44

\- sign 52.413+/-19.591 χ^2/NDF: 33.4/22

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 60.263+/-0.020 χ^2/NDF:98872.9/5

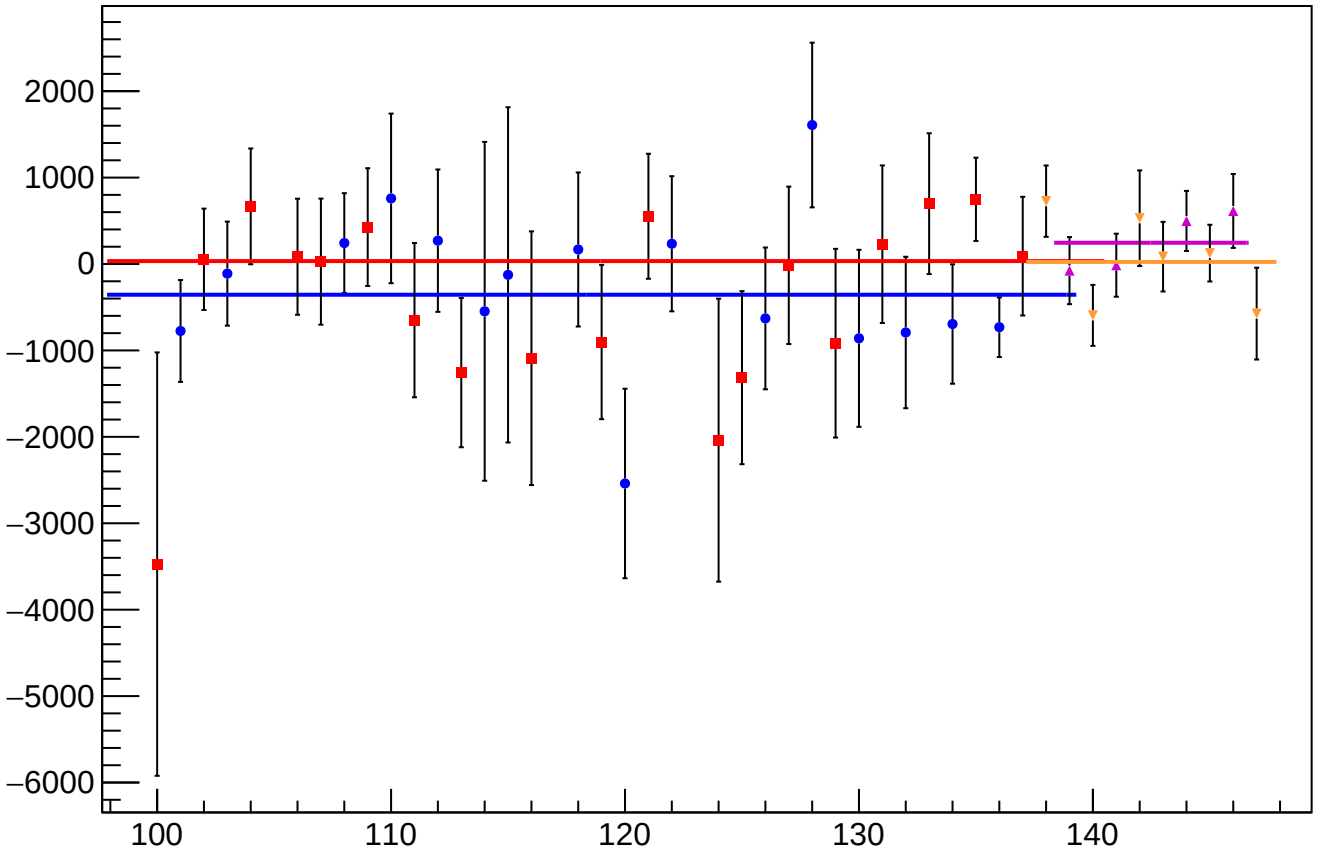
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 60.255+/-0.023 χ^2/NDF:23466.0/3

+ sign 62.603+/-0.013 χ^2/NDF: 654127.8/21

All: 63.061+/-0.010 χ^2/NDF: 1195274.9/44

- sign 63.569+/-0.014 χ^2/NDF: 538587.2/22



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

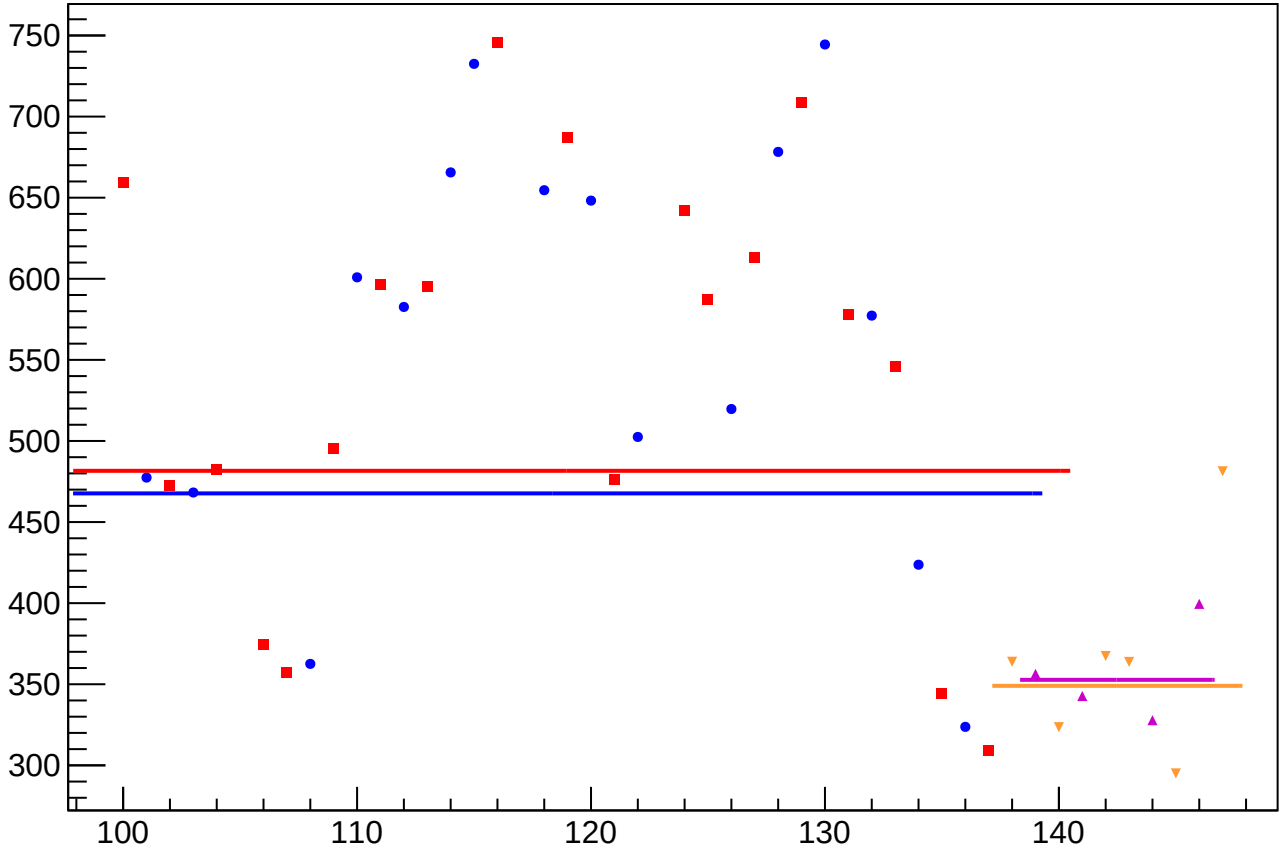
Left In: 245.878+/-189.342 χ^2/NDF:2.5/3

+ sign -150.225+/-122.259 χ^2/NDF: 25.4/21

All: -17.317+/-89.396 χ^2/NDF: 46.4/44

- sign 135.384+/-131.047 χ^2/NDF: 18.5/22

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 349.030+/-0.118 χ^2/NDF:195956.6/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

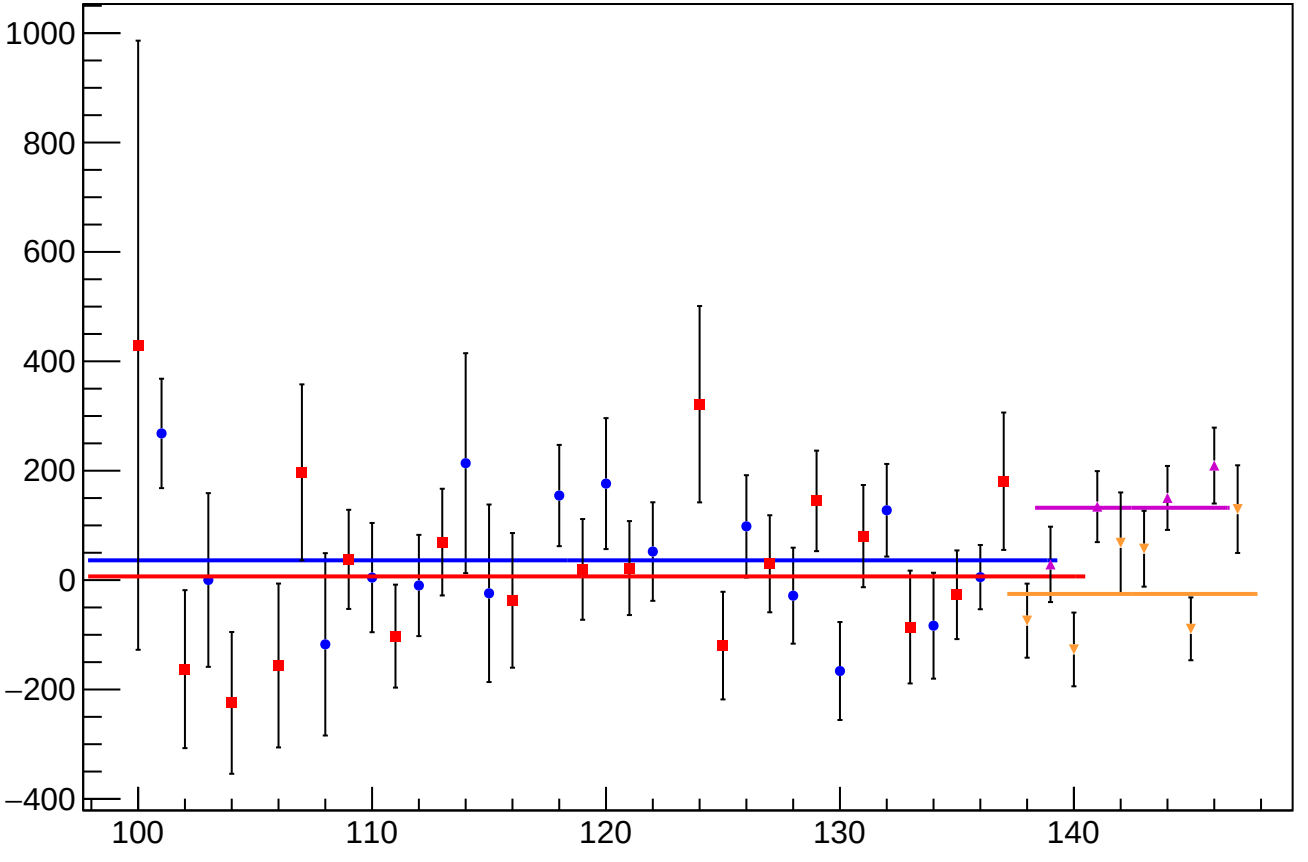
Left In: 352.720+/-0.134 χ^2/NDF:35892.7/3

+ sign 403.562+/-0.086 χ^2/NDF: 1649702.6/21

All: 411.147+/-0.063 χ^2/NDF: 3039163.9/44

- sign 419.862+/-0.093 χ^2/NDF: 1372917.3/22

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

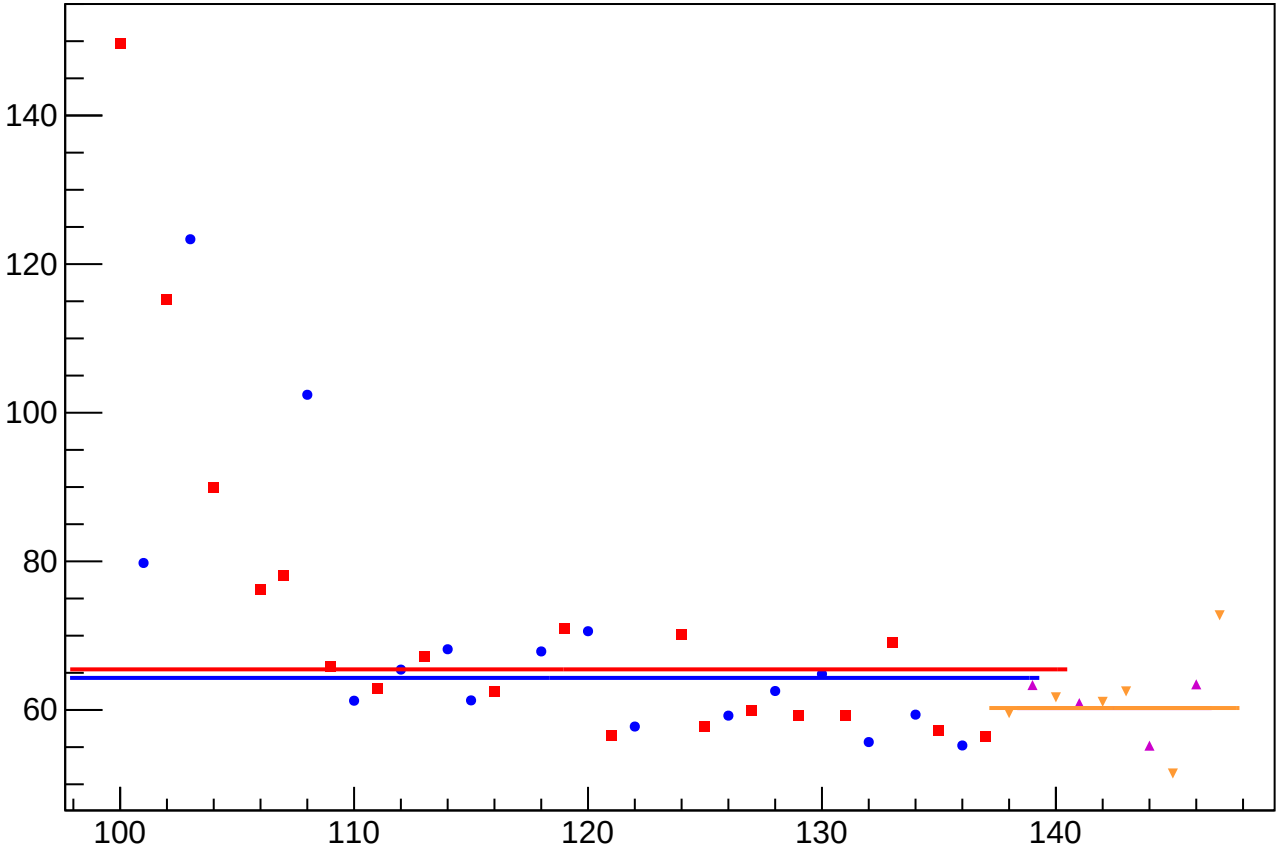
Left In: 132.241+/-32.474 χ^2/NDF:3.6/3

+ sign 10.181+/-18.593 χ^2/NDF: 32.5/21

All: 30.194+/-13.486 χ^2/NDF: 68.4/44

- sign 52.413+/-19.591 χ^2/NDF: 33.4/22

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 60.263+/-0.020 χ^2/NDF:98875.2/5

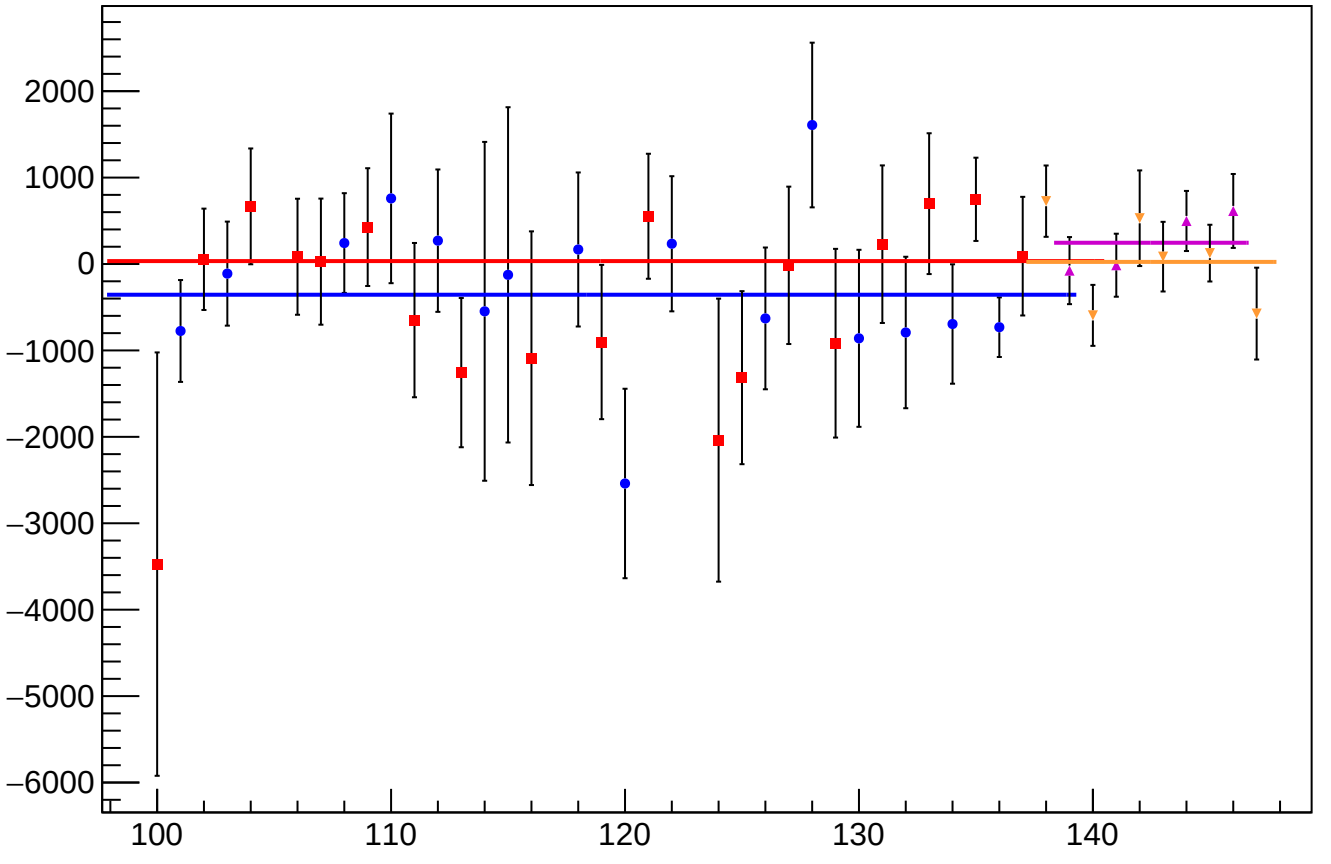
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 60.255+/-0.023 χ^2/NDF:23467.0/3

+ sign 62.603+/-0.013 χ^2/NDF: 654136.8/21

All: 63.061+/-0.010 χ^2/NDF: 1195289.2/44

- sign 63.569+/-0.014 χ^2/NDF: 538592.6/22



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

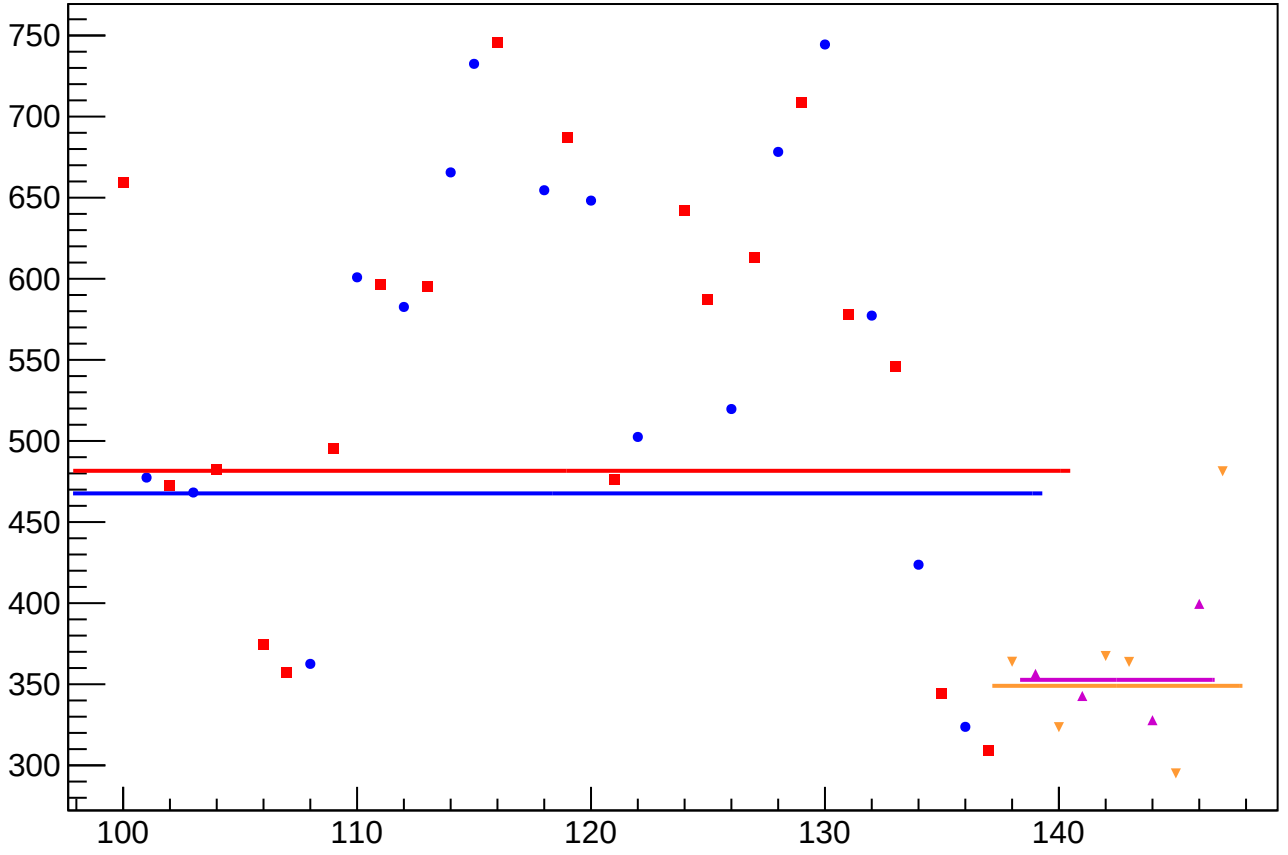
Left In: 245.878+/-189.343 χ^2/NDF:2.5/3

+ sign -150.225+/-122.259 χ^2/NDF: 25.4/21

All: -17.317+/-89.396 χ^2/NDF: 46.4/44

- sign 135.384+/-131.047 χ^2/NDF: 18.5/22

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: 349.030+/-0.118 χ^2/NDF:195956.7/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

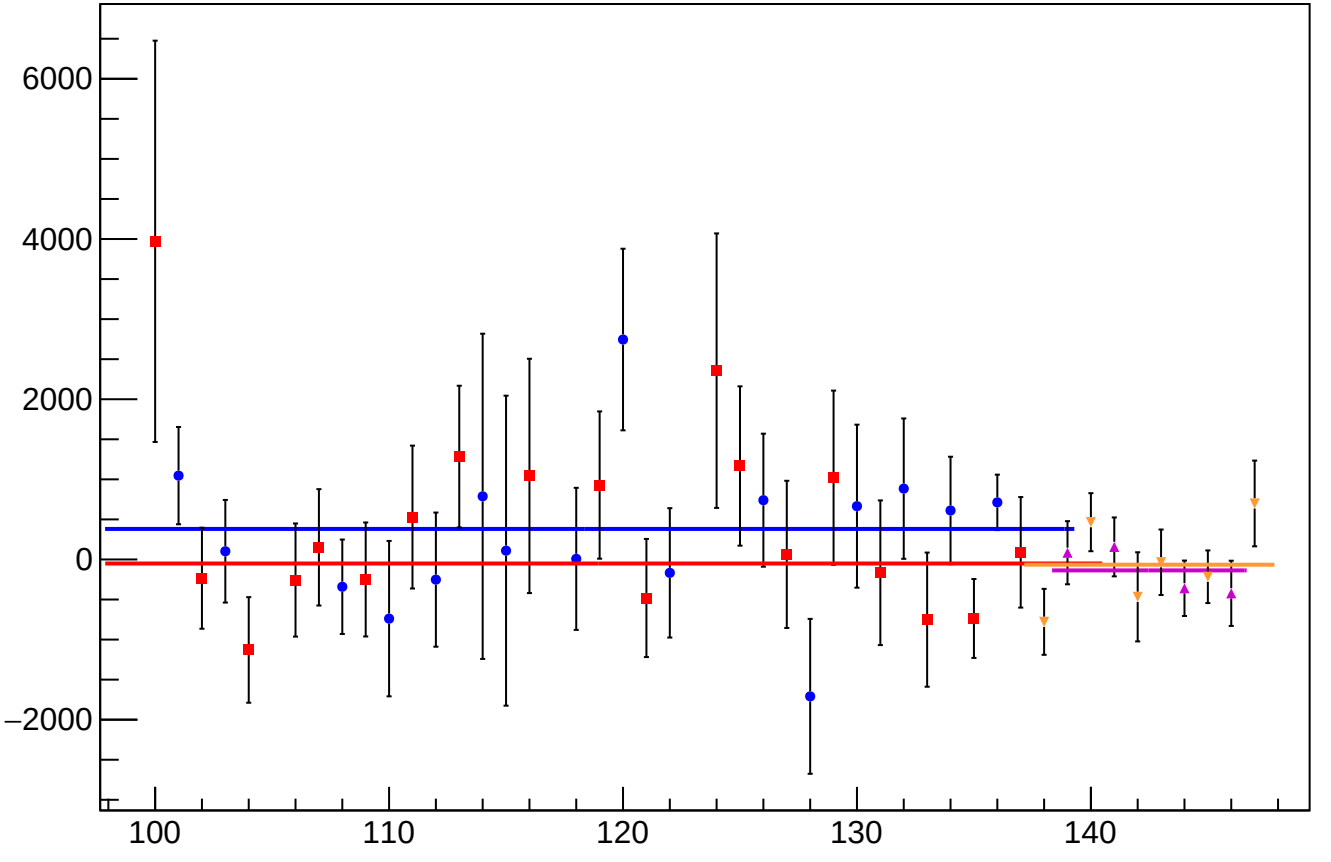
Left In: 352.720+/-0.134 χ^2/NDF:35892.8/3

+ sign 403.562+/-0.086 χ^2/NDF: 1649698.8/21

All: 411.147+/-0.063 χ^2/NDF: 3039150.8/44

- sign 419.862+/-0.093 χ^2/NDF: 1372908.0/22

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -65.431+/-167.872 χ^2/NDF:7.9/5

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

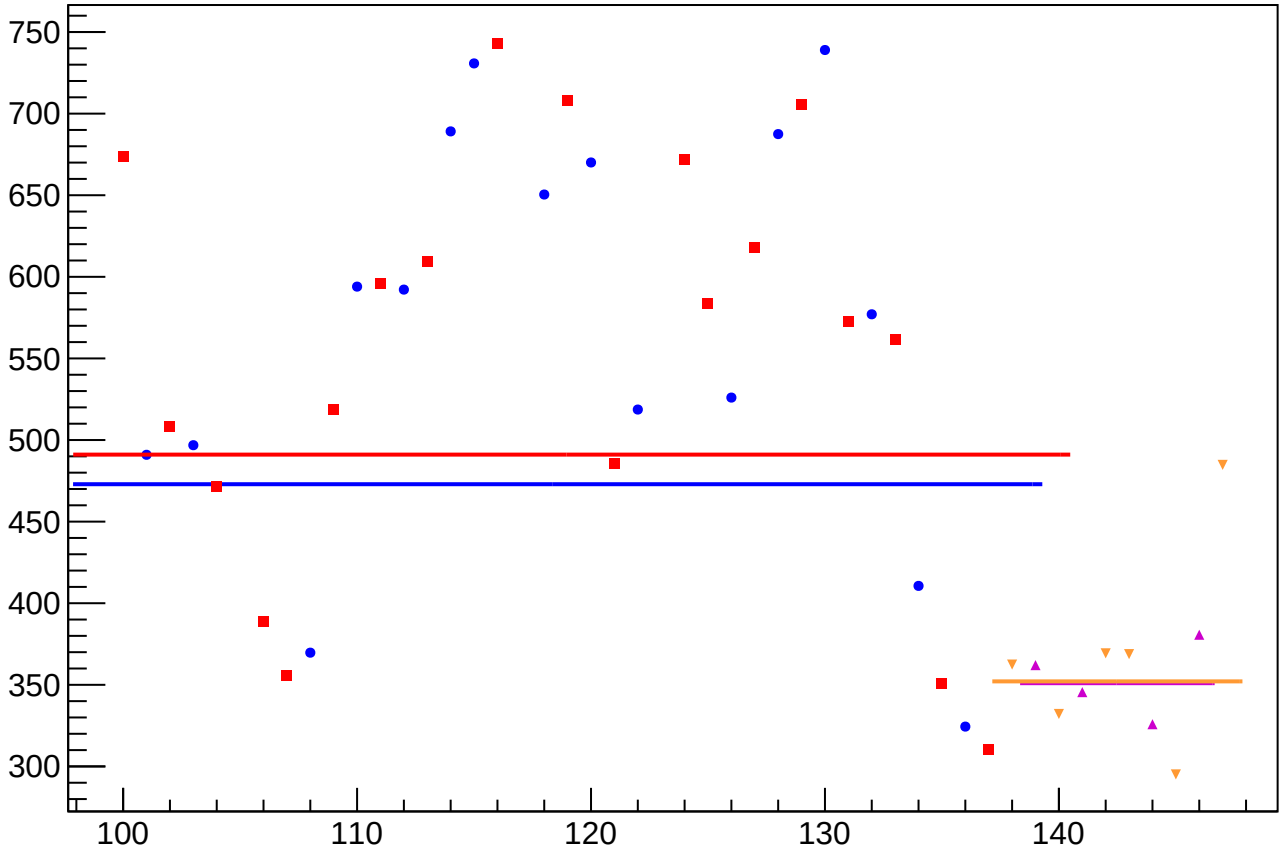
Left In: -136.487+/-188.232 χ^2/NDF:1.9/3

+ sign 139.029+/-123.600 χ^2/NDF: 27.3/21

All: 30.779+/-90.234 χ^2/NDF: 48.4/44

- sign -92.755+/-132.038 χ^2/NDF: 19.4/22

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.109+/-0.119 χ^2/NDF:195689.9/5

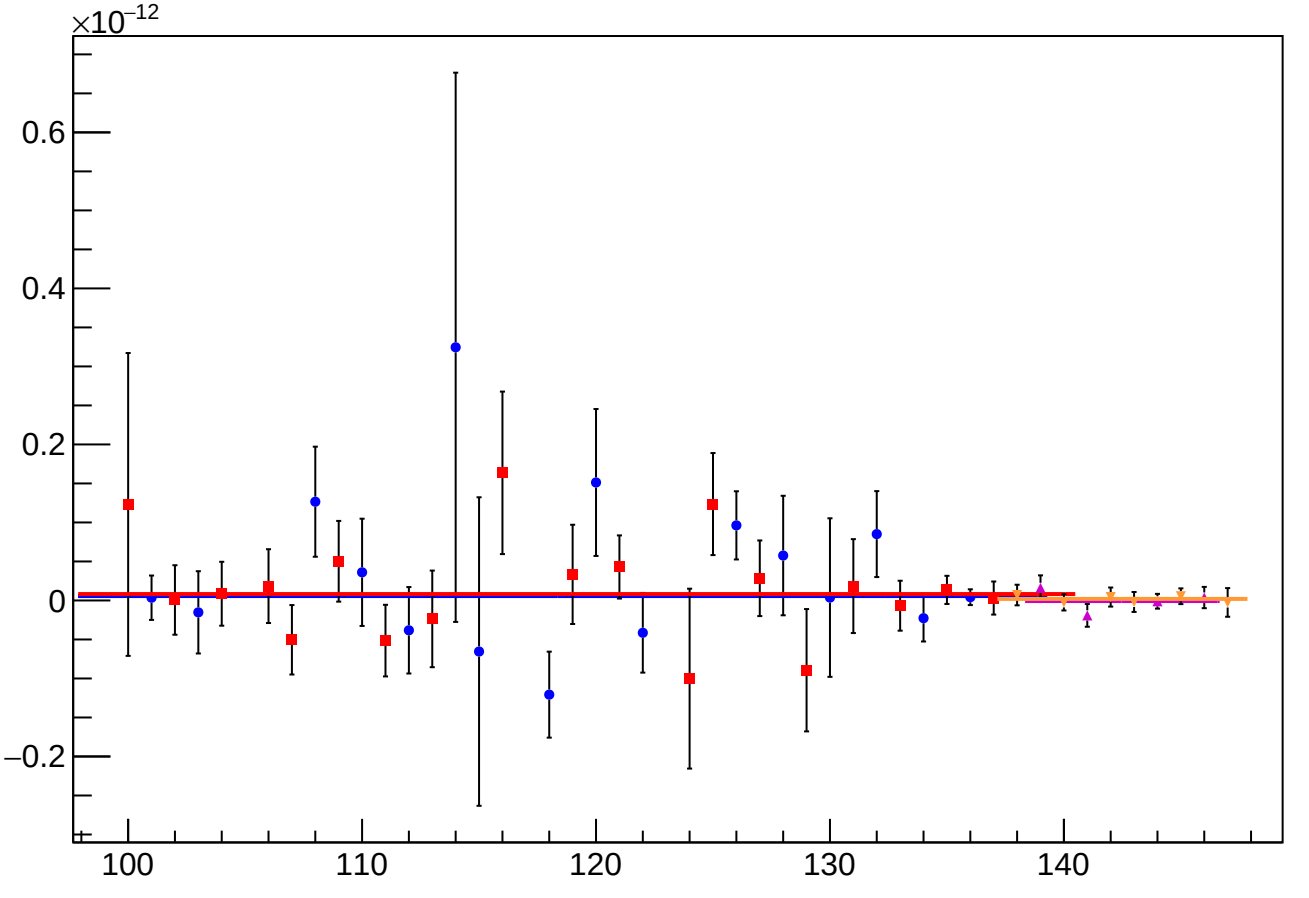
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 351.006+/-0.133 χ^2/NDF:23217.7/3

\+ sign 407.431+/-0.087 χ^2/NDF: 1670301.1/21

All: 414.304+/-0.064 χ^2/NDF: 3116695.8/44

\- sign 422.148+/-0.093 χ^2/NDF: 1433151.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/5

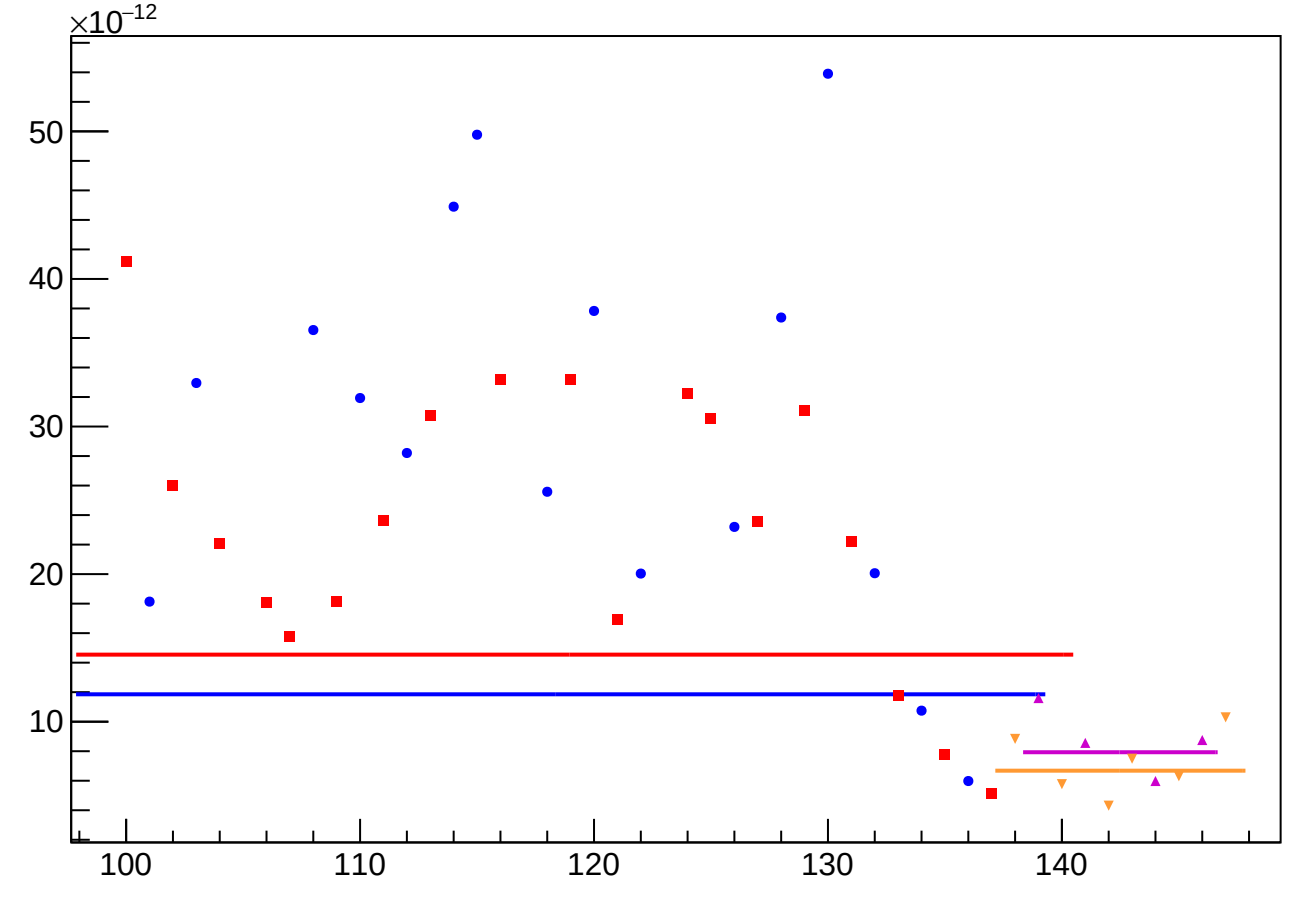
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/21

All: 0.000+/-0.000 χ^2/NDF: 39.4/44

- sign 0.000+/-0.000 χ^2/NDF: 17.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:231965.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

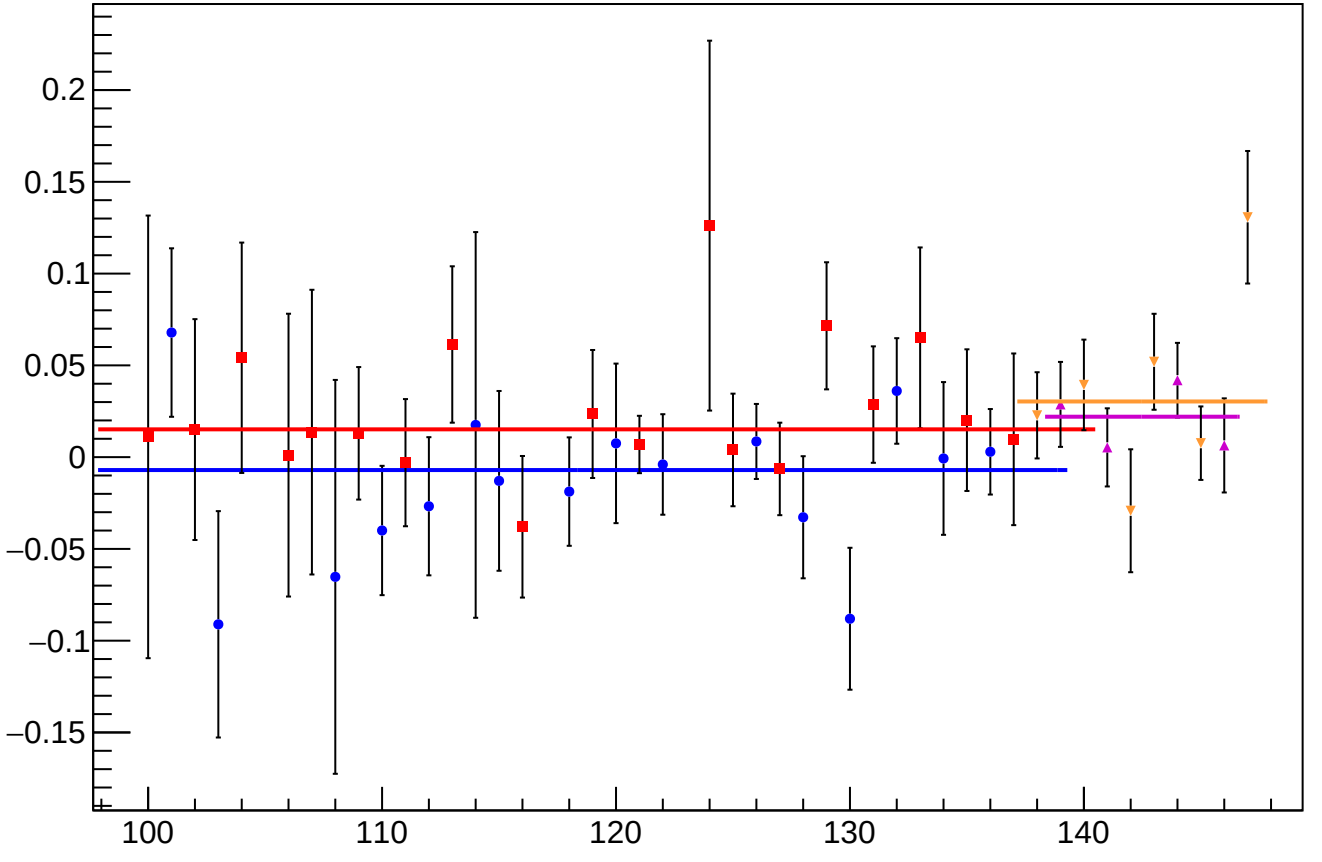
Left In: 0.000+/-0.000 χ^2/NDF:201035.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3673175.9/21

All: 0.000+/-0.000 χ^2/NDF: 6501279.3/44

- sign 0.000+/-0.000 χ^2/NDF: 2664422.3/22

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: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

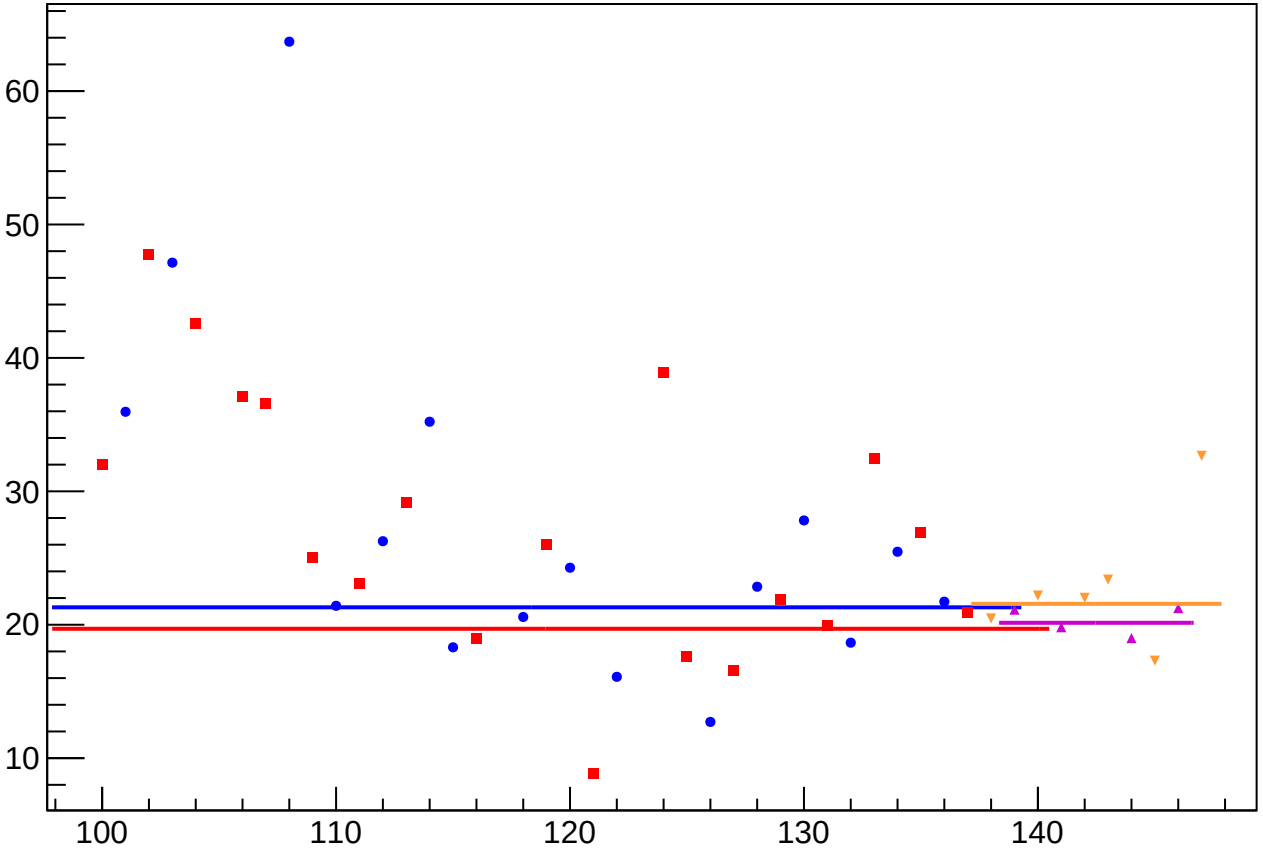
Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.4/44

- sign 0.018+/-0.007 χ^2/NDF: 12.4/22

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.566+/-0.007 χ^2/NDF:295078.4/5

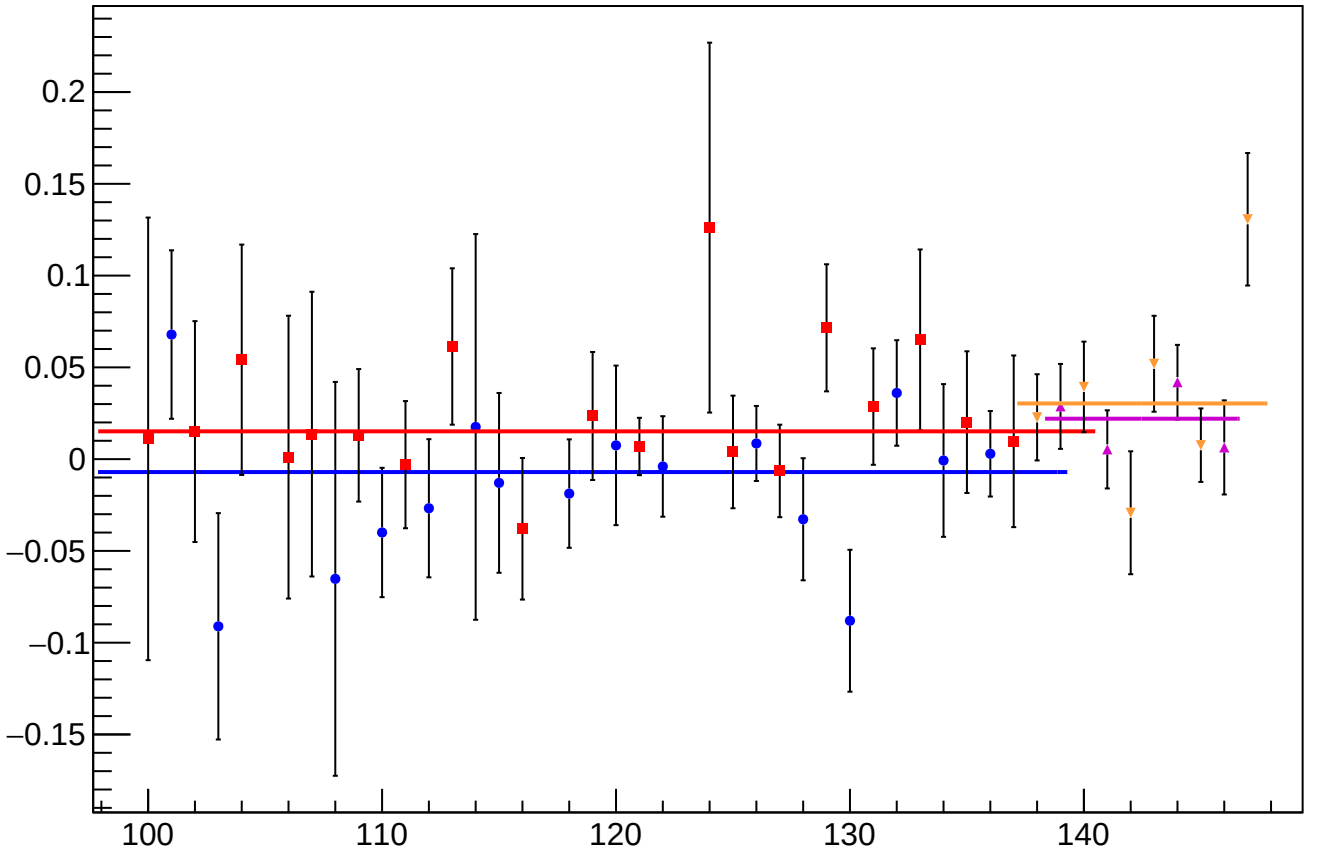
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

+ sign 21.410+/-0.005 χ^2/NDF: 1775212.9/21

All: 20.628+/-0.003 χ^2/NDF: 4285290.9/44

- sign 19.855+/-0.005 χ^2/NDF: 2455250.8/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

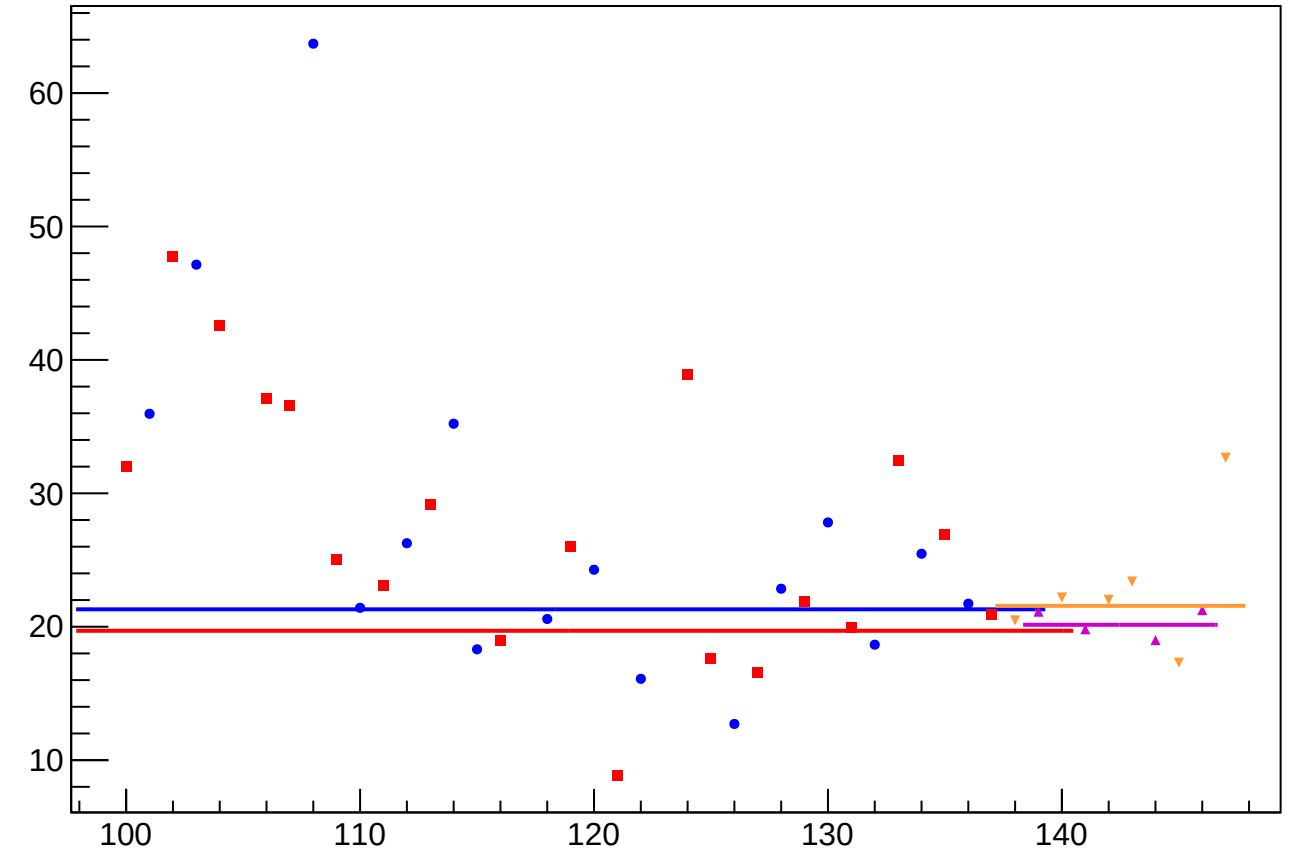
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.4/44

- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.566+/-0.007 χ^2/NDF:295078.4/5

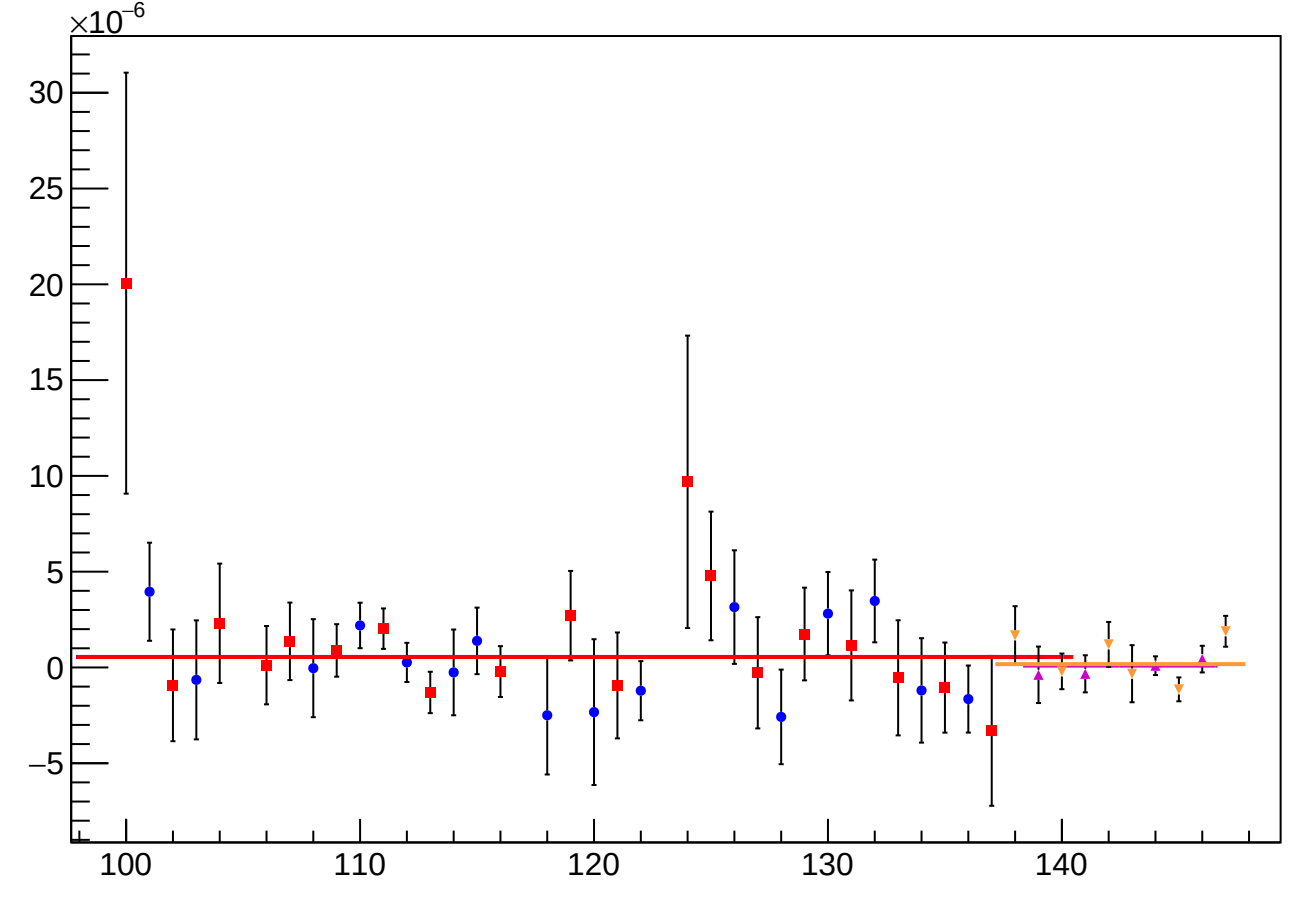
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

+ sign 21.410+/-0.005 χ^2/NDF: 1775212.9/21

All: 20.628+/-0.003 χ^2/NDF: 4285290.9/44

- sign 19.855+/-0.005 χ^2/NDF: 2455250.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/5

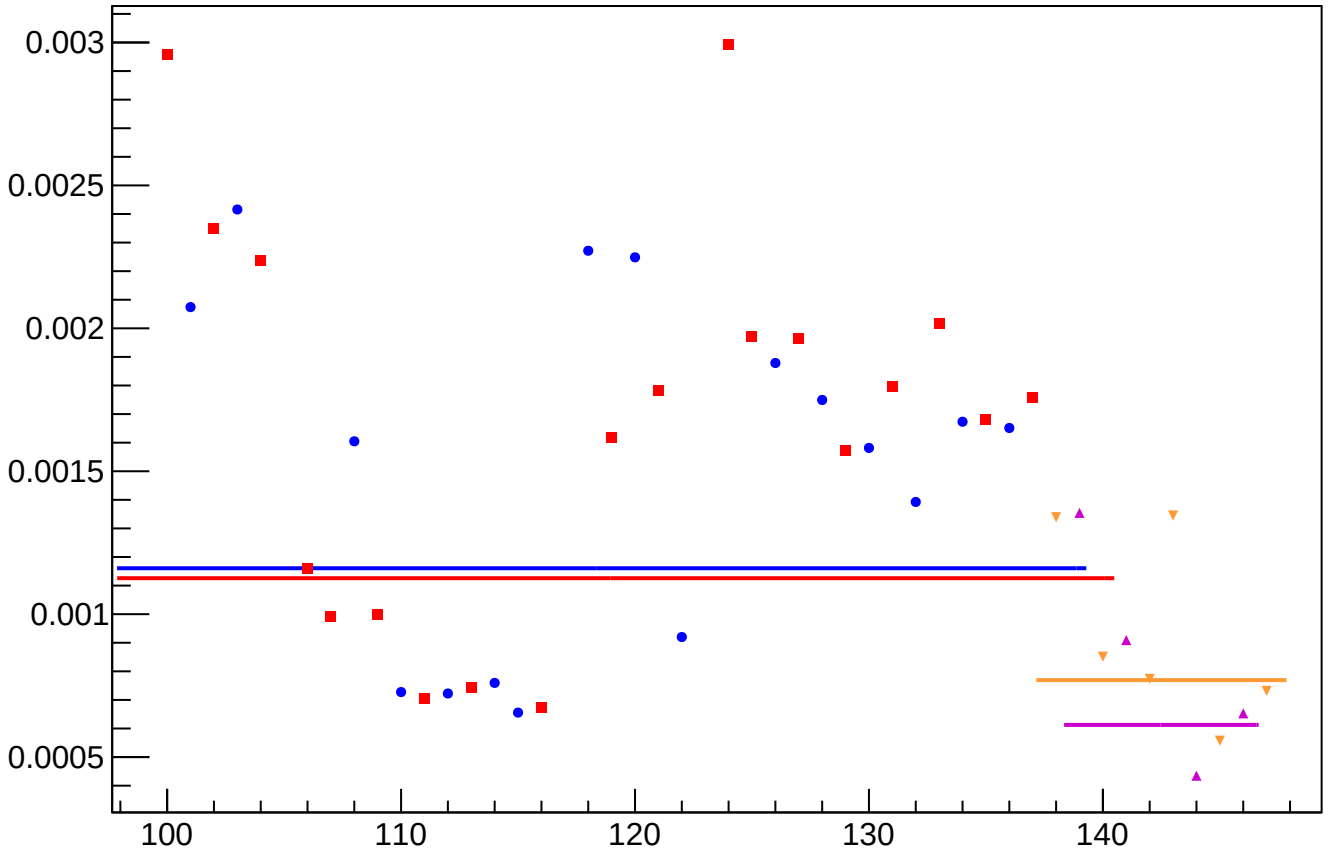
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 42.3/44

- sign 0.000+/-0.000 χ^2/NDF: 16.5/22



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:829538.4/5

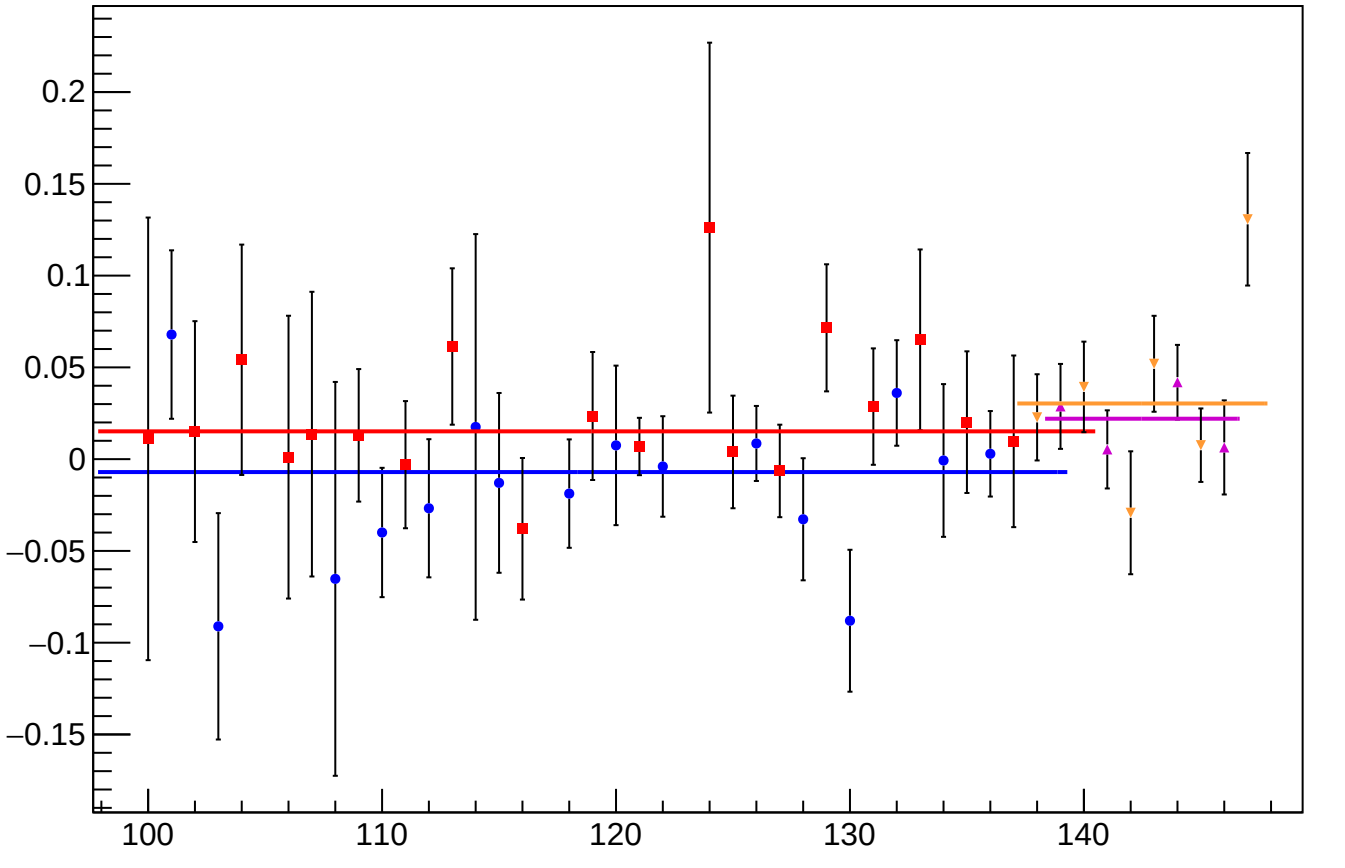
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:964555.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 4181926.0/21

All: 0.001+/-0.000 χ^2/NDF: 9477354.9/44

- sign 0.001+/-0.000 χ^2/NDF: 5142343.2/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

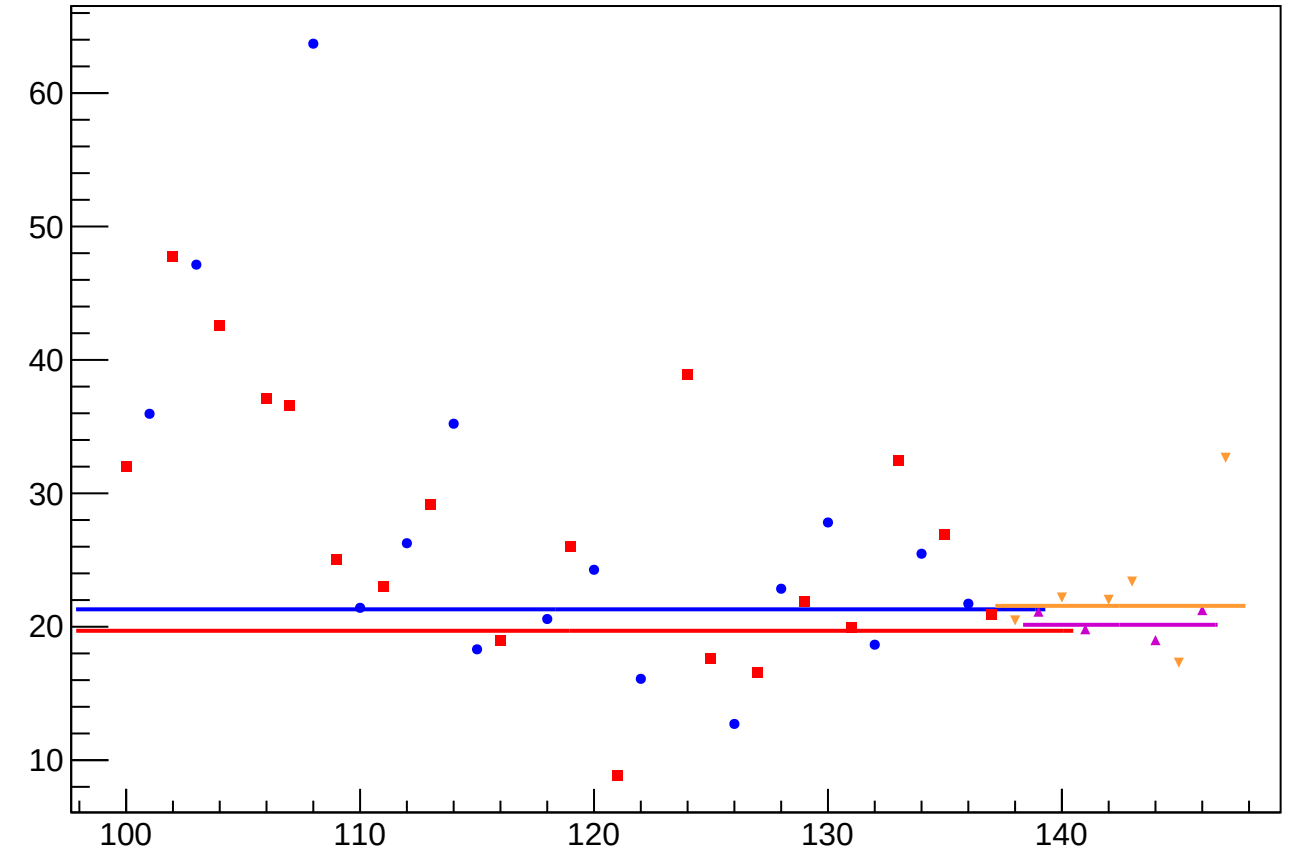
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.4/44

- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.566+/-0.007 χ^2/NDF:295101.6/5

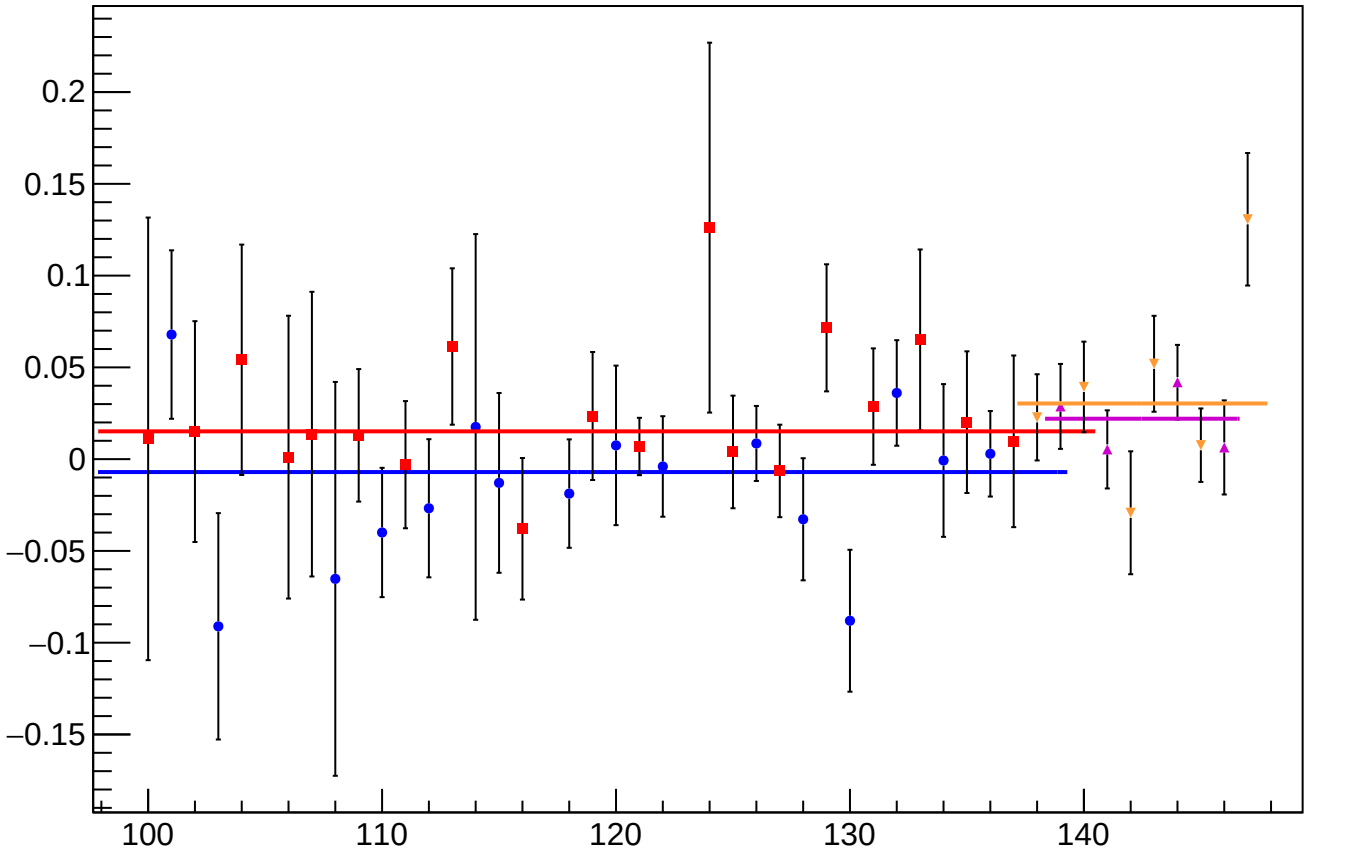
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

+ sign 21.410+/-0.005 χ^2/NDF: 1775068.2/21

All: 20.628+/-0.003 χ^2/NDF: 4284758.1/44

- sign 19.855+/-0.005 χ^2/NDF: 2454884.1/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

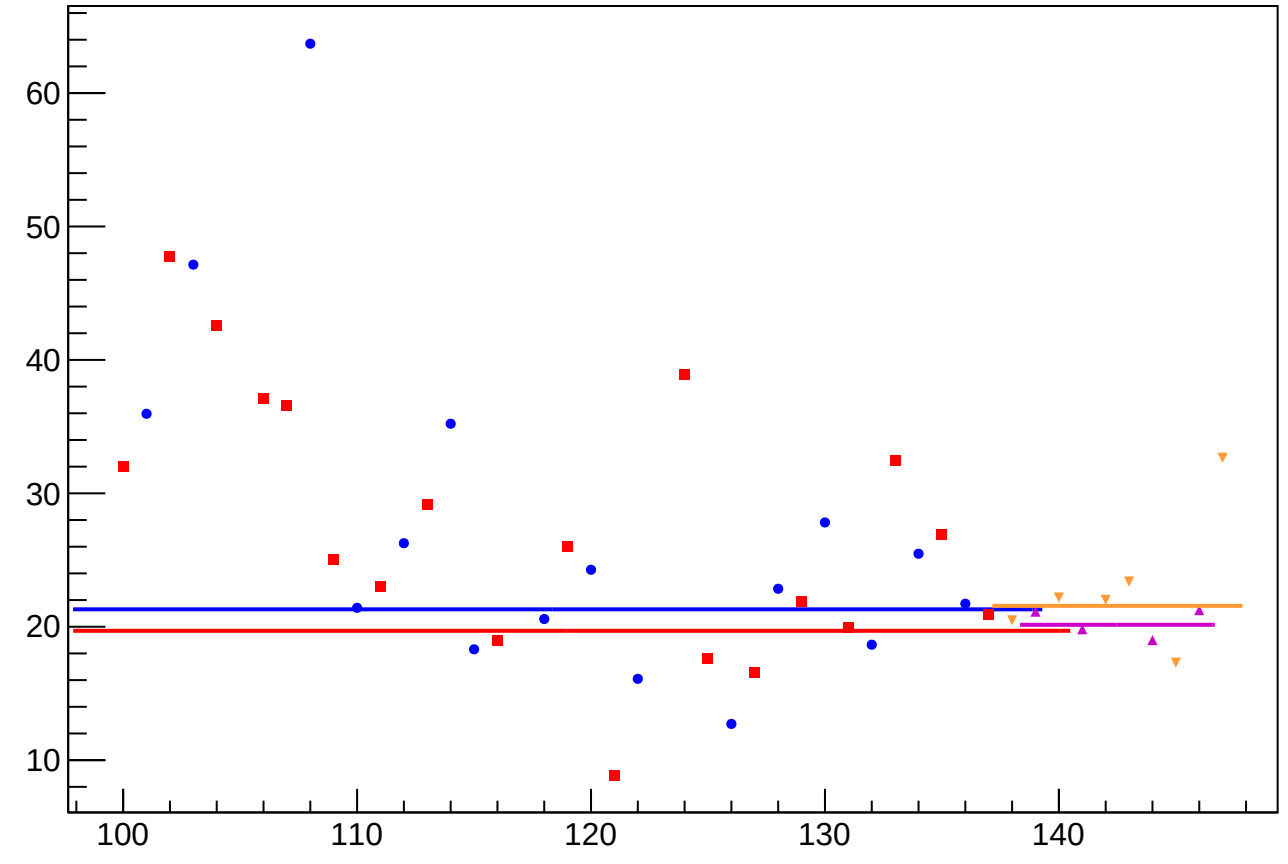
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.4/44

- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.566+/-0.007 χ^2/NDF:295101.6/5

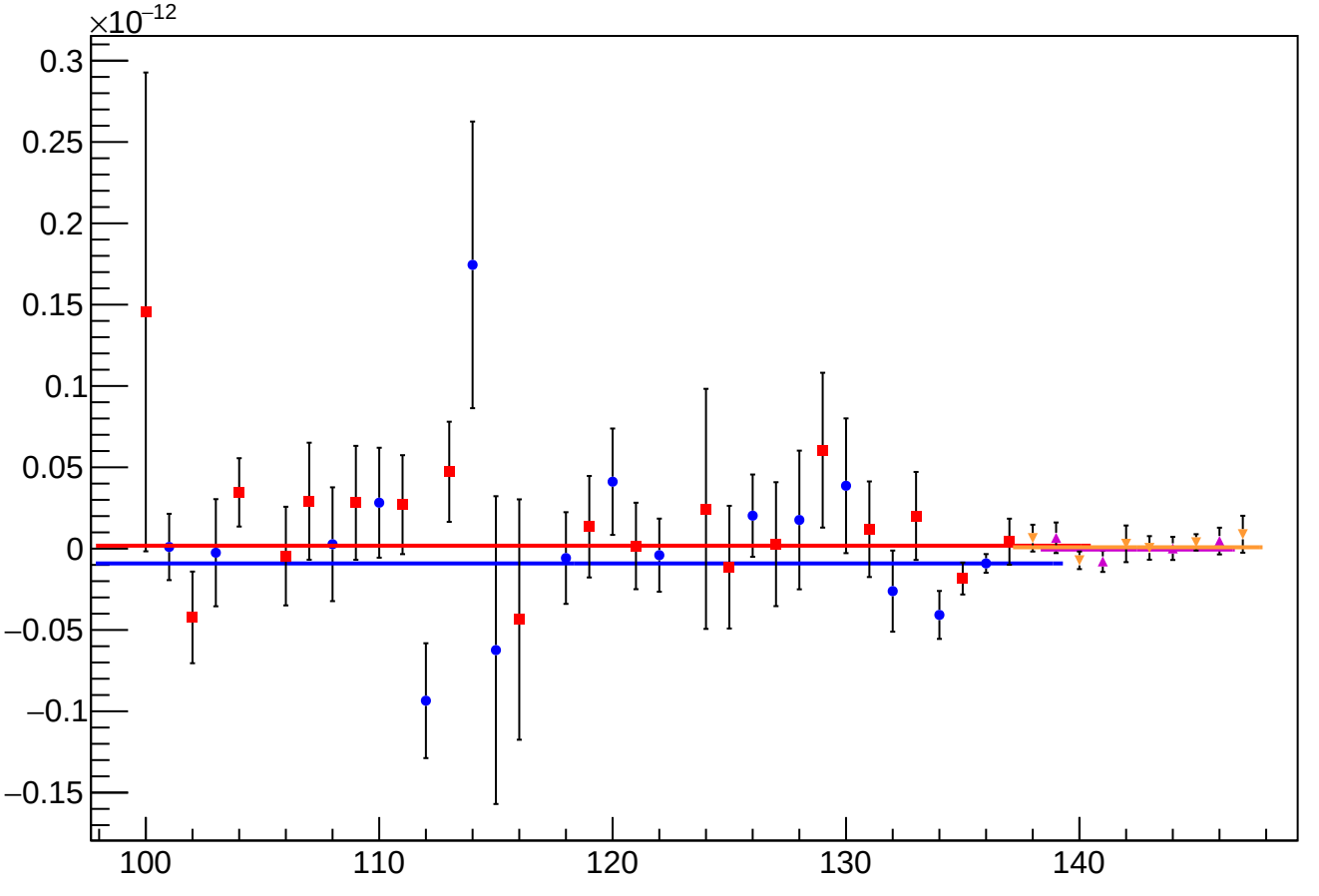
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

+ sign 21.410+/-0.005 χ^2/NDF: 1775068.2/21

All: 20.628+/-0.003 χ^2/NDF: 4284758.1/44

- sign 19.855+/-0.005 χ^2/NDF: 2454884.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

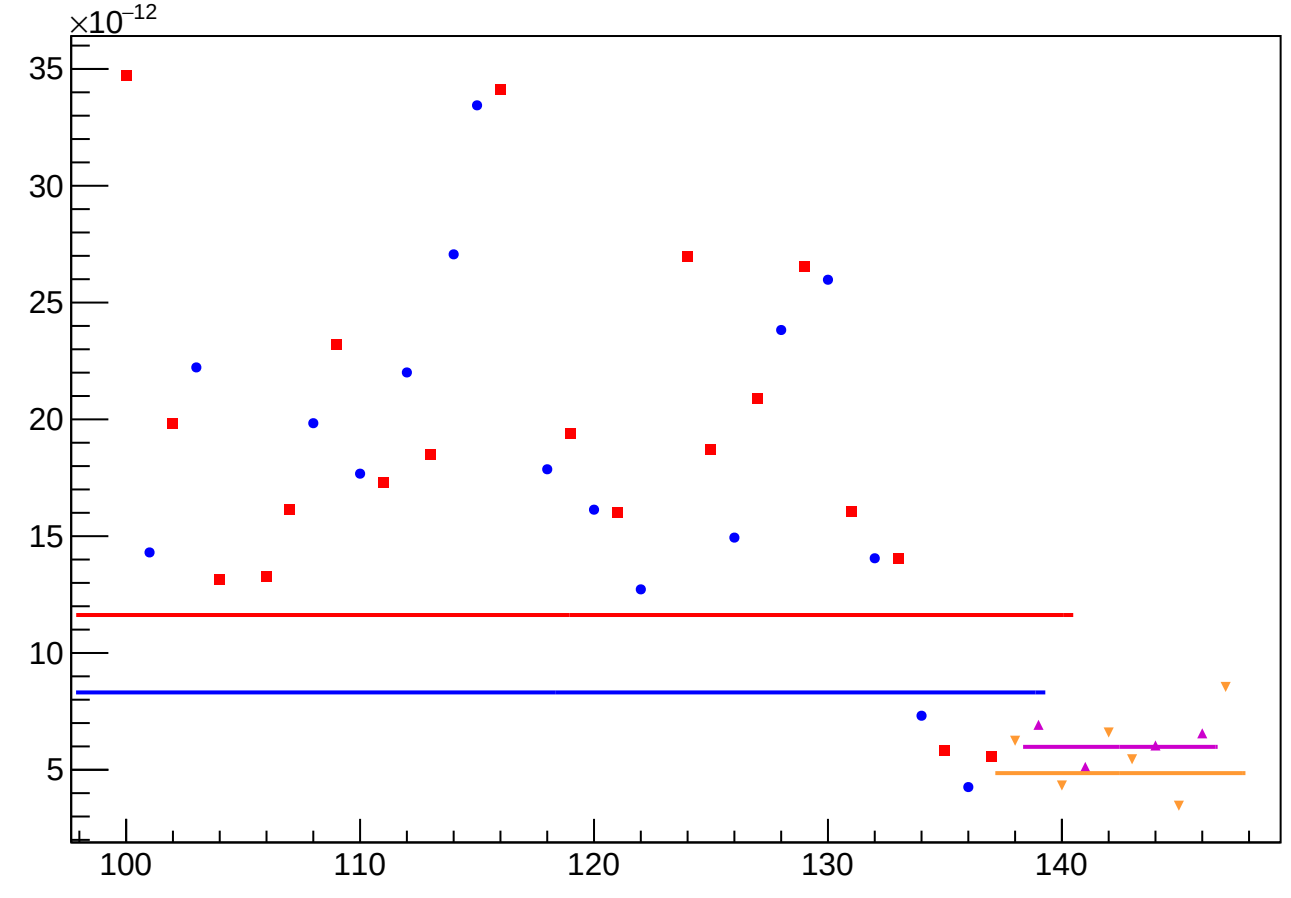
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/21

All: -0.000+/-0.000 χ^2/NDF: 49.3/44

- sign 0.000+/-0.000 χ^2/NDF: 19.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:503651.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

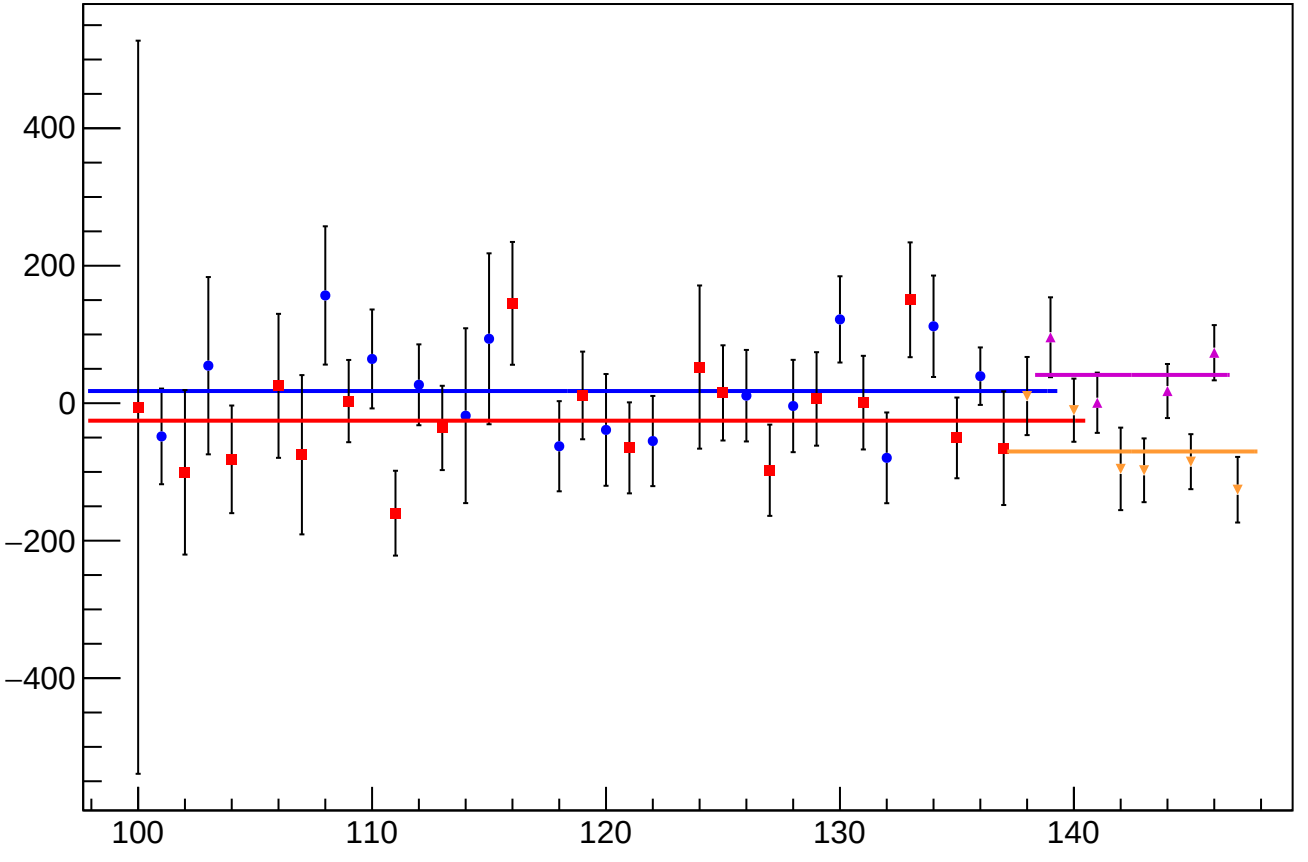
Left In: 0.000+/-0.000 χ^2/NDF:65237.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 5078951.0/21

All: 0.000+/-0.000 χ^2/NDF: 9566555.6/44

- sign 0.000+/-0.000 χ^2/NDF: 4040988.2/22

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.247+/-19.654 χ^2/NDF:5.7/5

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

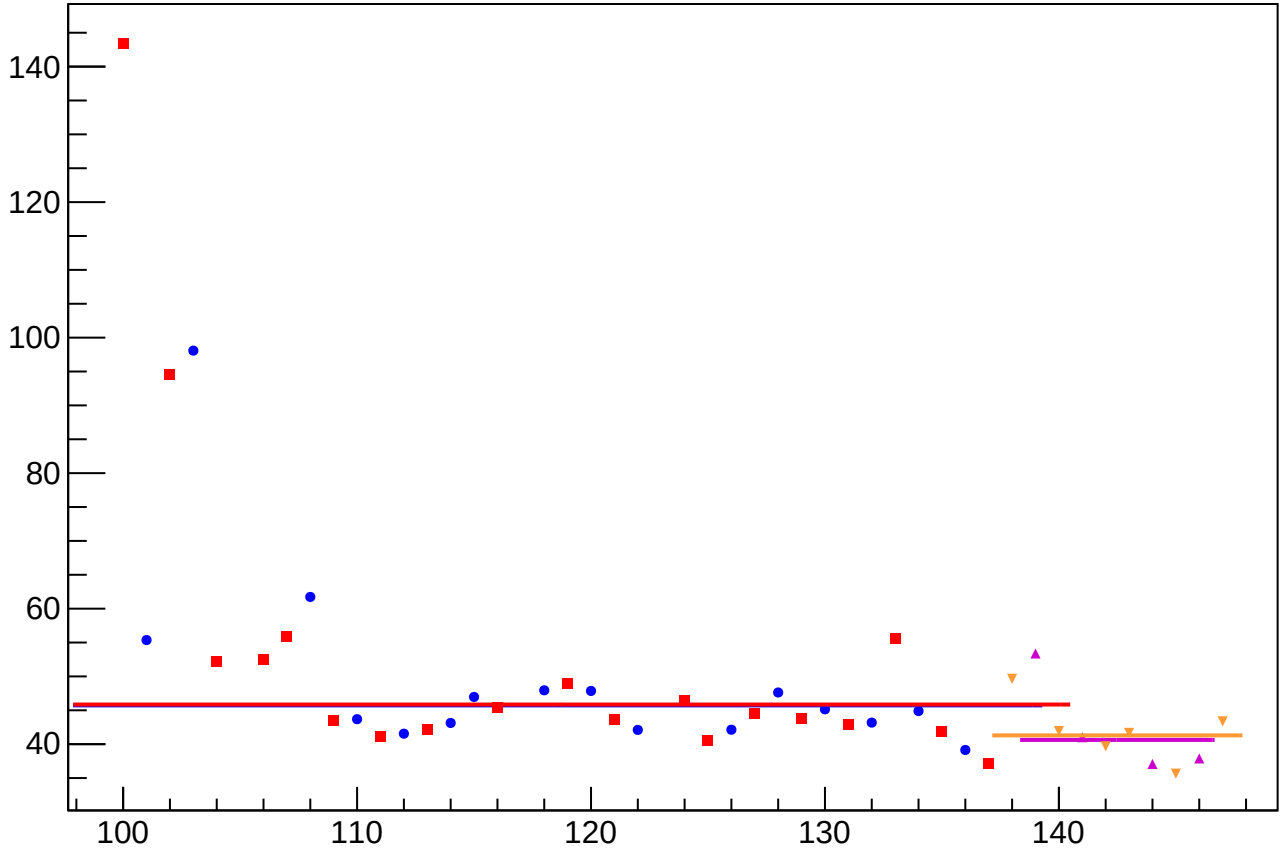
Left In: 41.150+/-21.916 χ^2/NDF:2.7/3

+ sign -21.118+/-13.057 χ^2/NDF: 30.9/21

All: -10.895+/-9.418 χ^2/NDF: 58.4/44

- sign 0.190+/-13.597 χ^2/NDF: 26.3/22

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

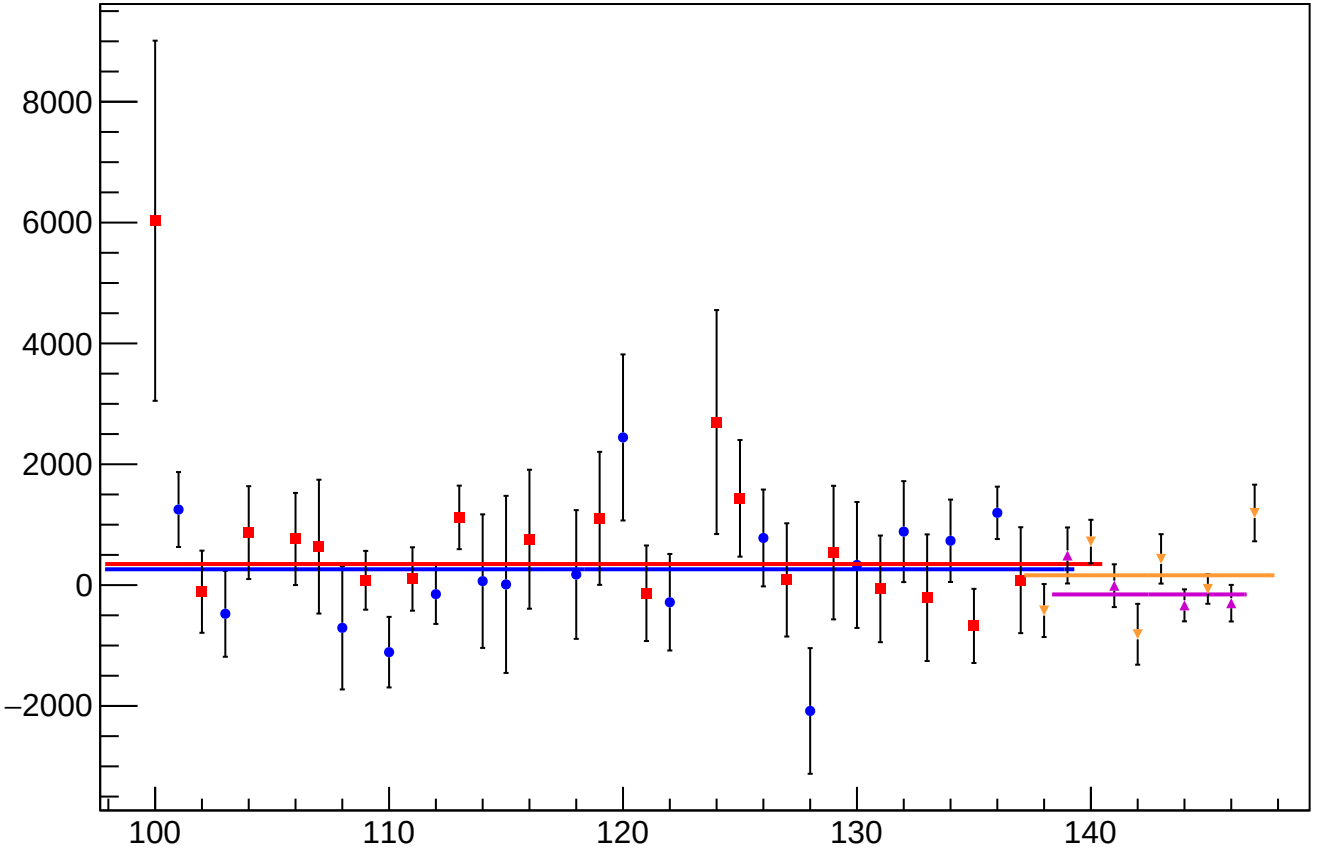
Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.771+/-0.009 χ^2/NDF: 646948.3/21

All: 43.804+/-0.007 χ^2/NDF: 1378936.4/44

- sign 43.840+/-0.010 χ^2/NDF: 731961.0/22

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 162.381+/-150.756 χ^2/NDF:14.1/5

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

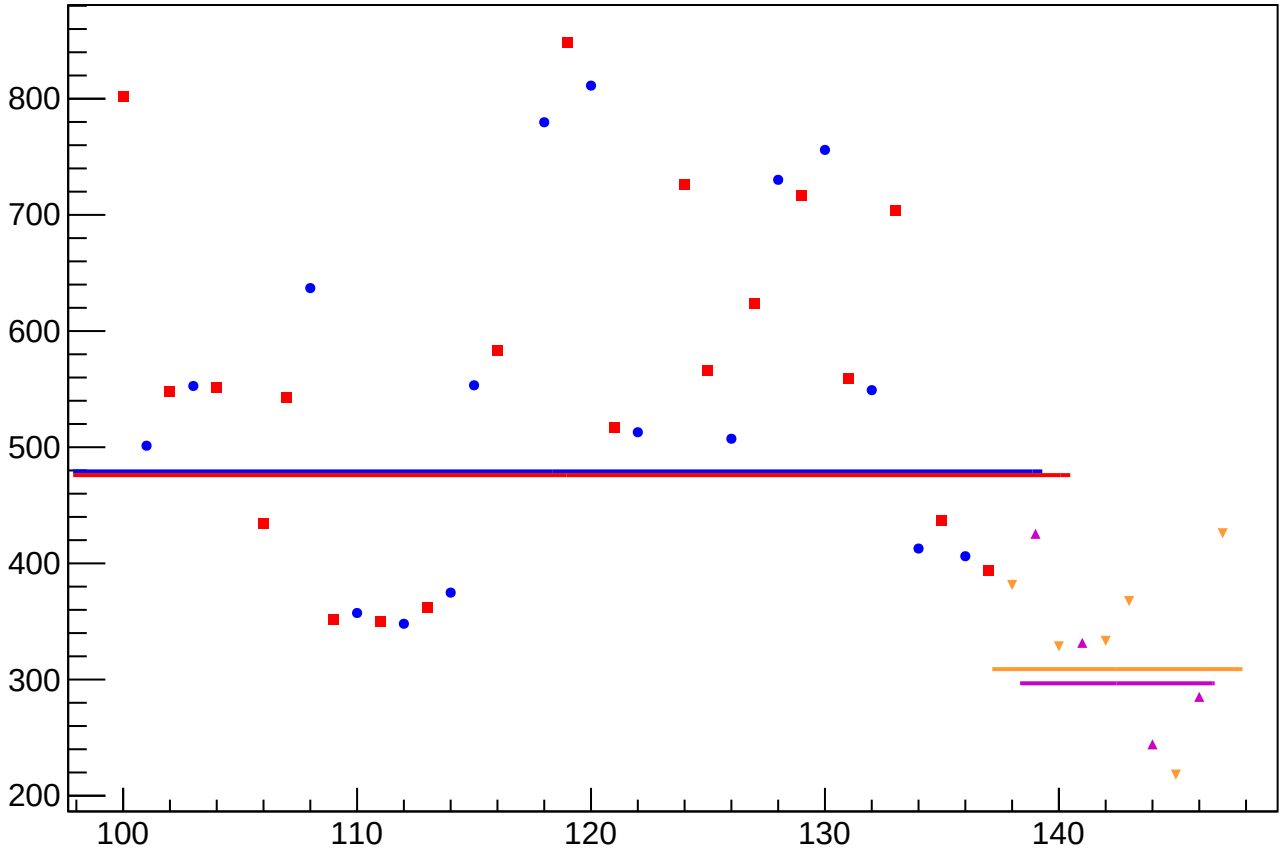
Left In: -154.368+/-162.619 χ^2/NDF:2.8/3

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 138.593+/-84.037 χ^2/NDF: 61.8/44

- sign 70.764+/-120.872 χ^2/NDF: 22.0/22

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 308.967+/-0.107 χ^2/NDF:504434.1/5

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

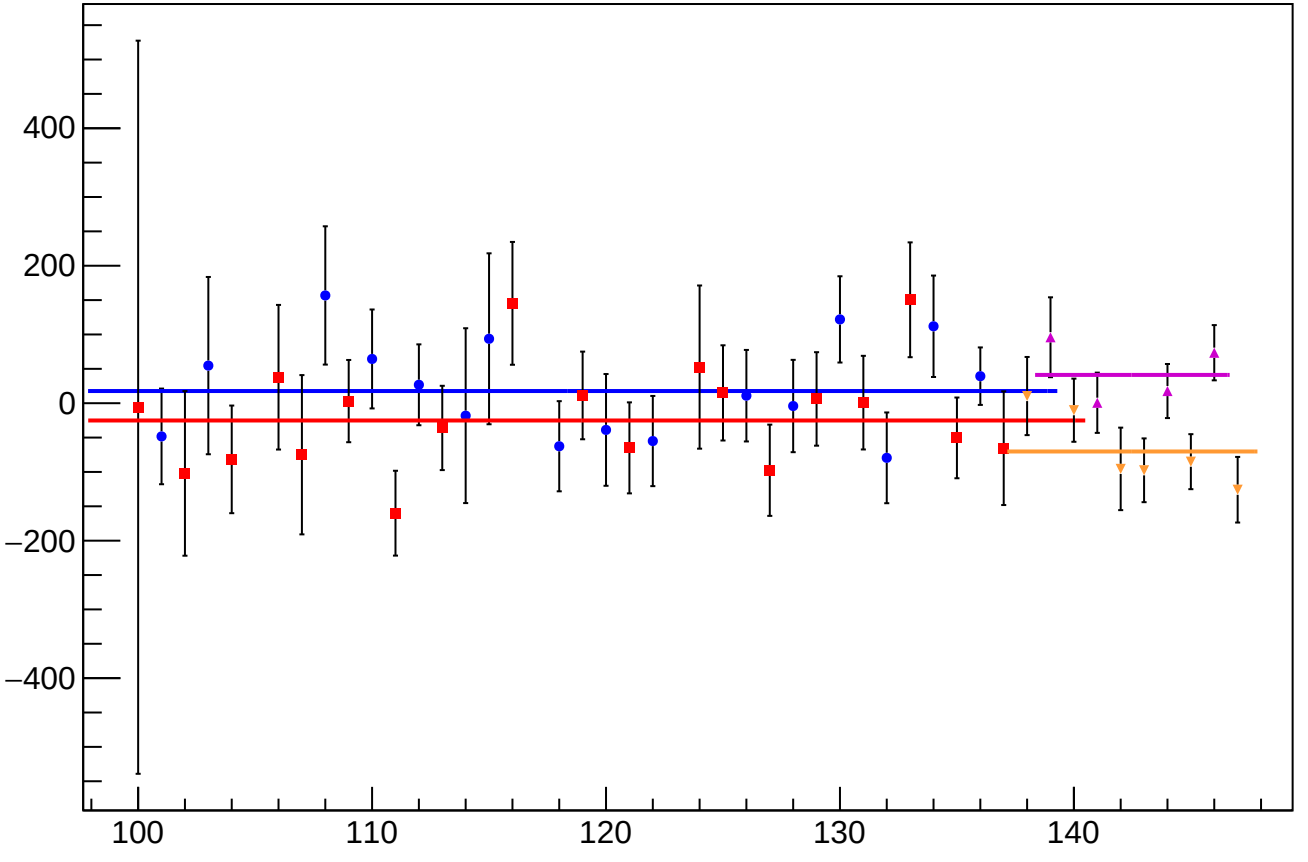
Left In: 296.768+/-0.115 χ^2/NDF:255365.5/3

\+ sign 376.798+/-0.083 χ^2/NDF: 2473138.4/21

All: 376.884+/-0.059 χ^2/NDF: 4822169.3/44

\- sign 376.976+/-0.085 χ^2/NDF: 2349028.7/22

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

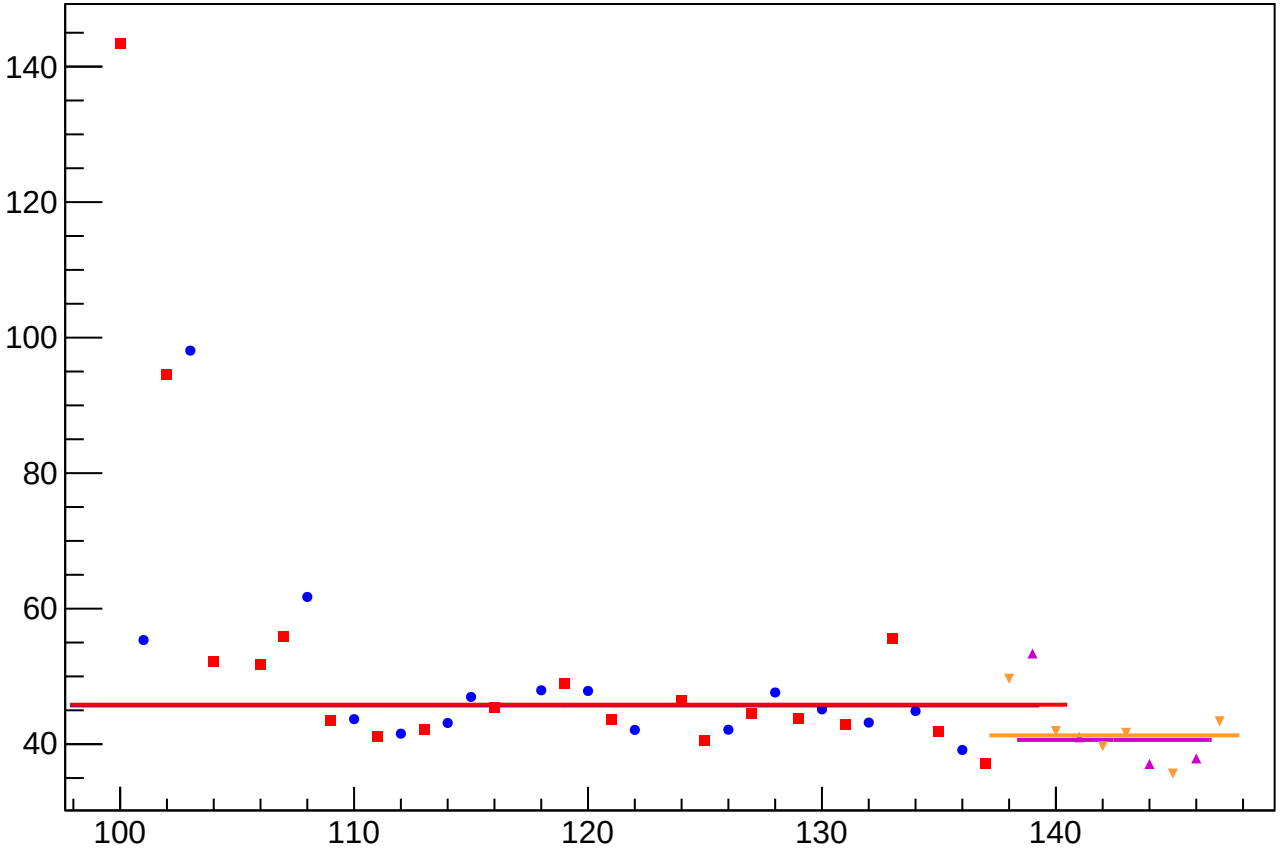
Left In: 41.147+/-21.916 χ^2/NDF:2.7/3

+ sign -21.114+/-13.057 χ^2/NDF: 30.9/21

All: -10.805+/-9.418 χ^2/NDF: 58.5/44

- sign 0.375+/-13.598 χ^2/NDF: 26.4/22

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

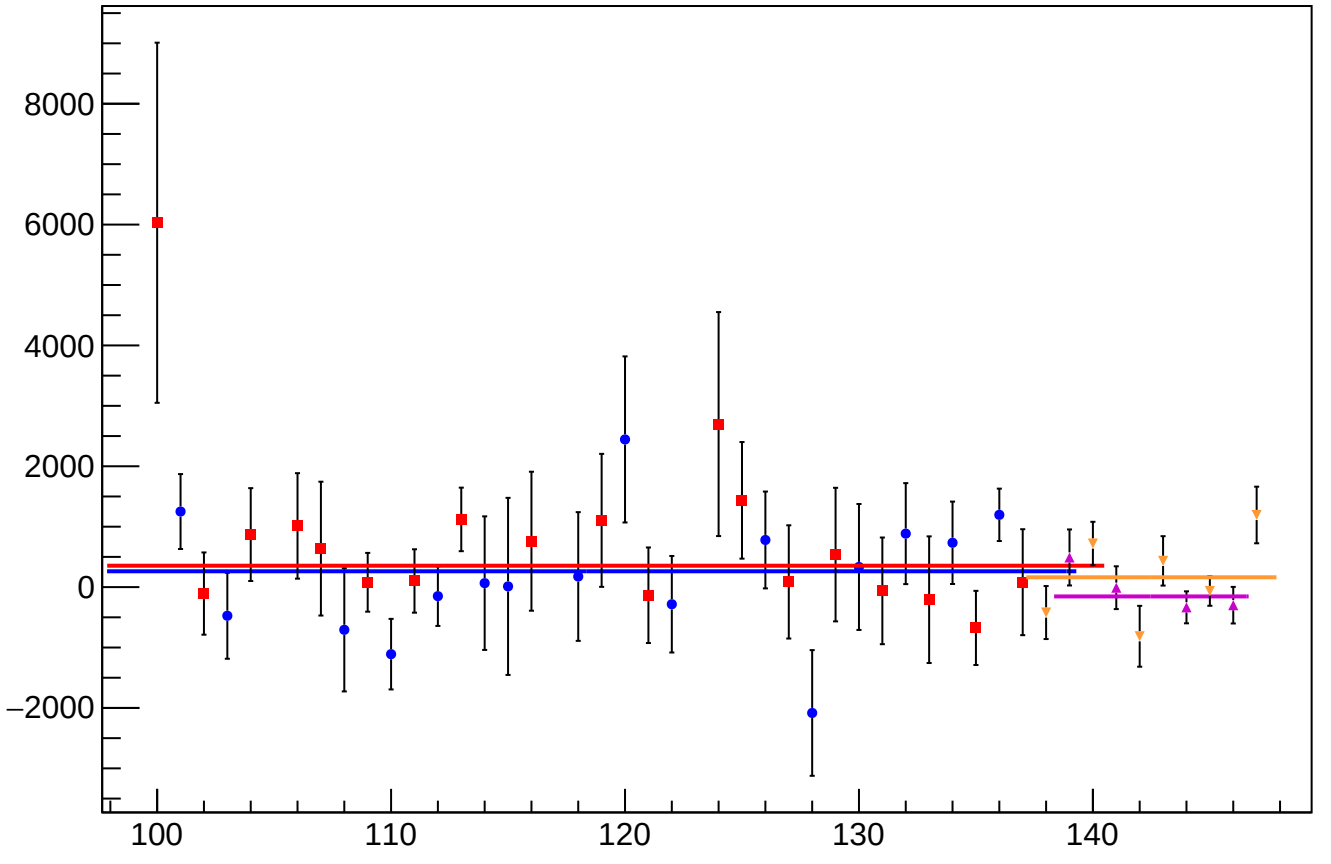
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.771+/-0.009 χ^2/NDF: 646951.3/21

All: 43.797+/-0.007 χ^2/NDF: 1376599.2/44

- sign 43.825+/-0.010 χ^2/NDF: 729631.3/22



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

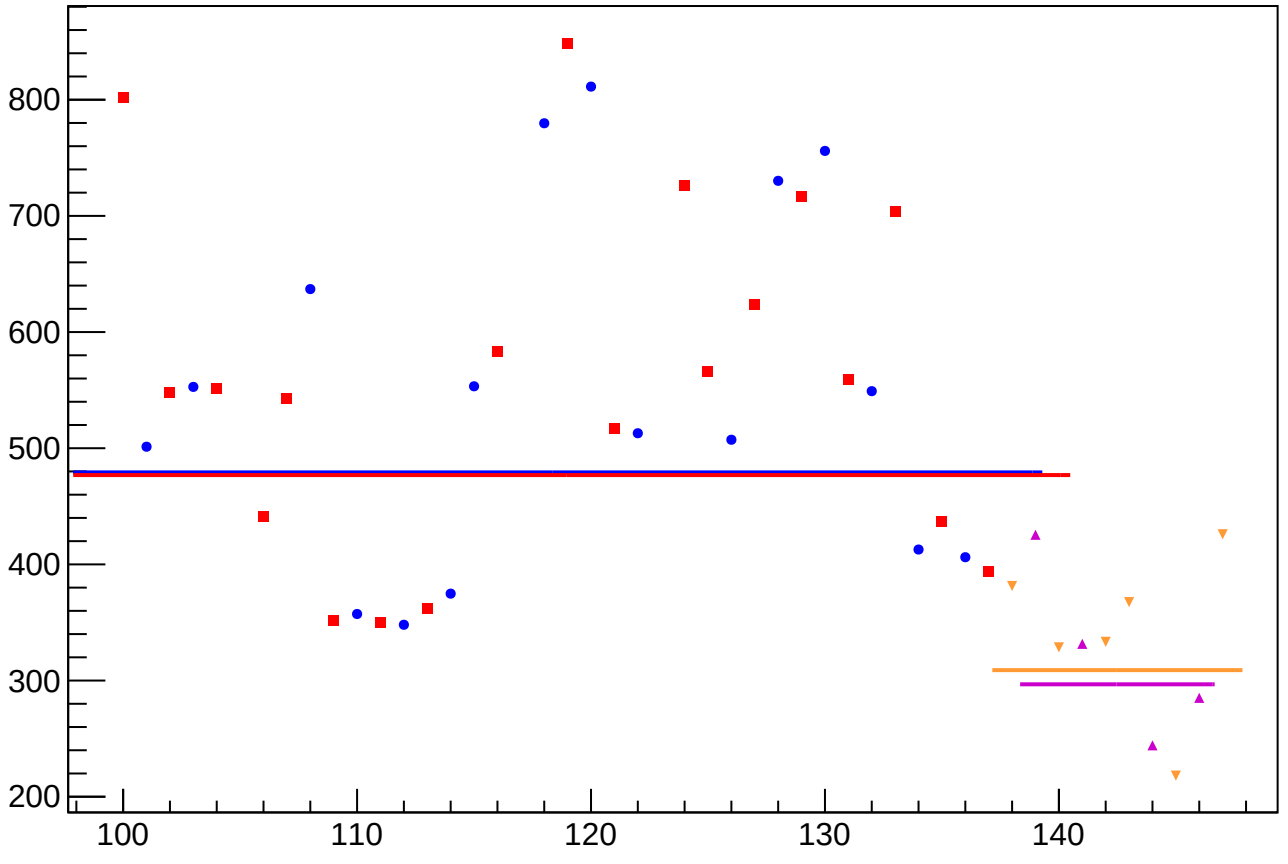
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -154.369+/-162.620 χ^2/NDF:2.8/3

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 139.164+/-84.159 χ^2/NDF: 62.2/44

- sign 71.542+/-121.236 χ^2/NDF: 22.3/22



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

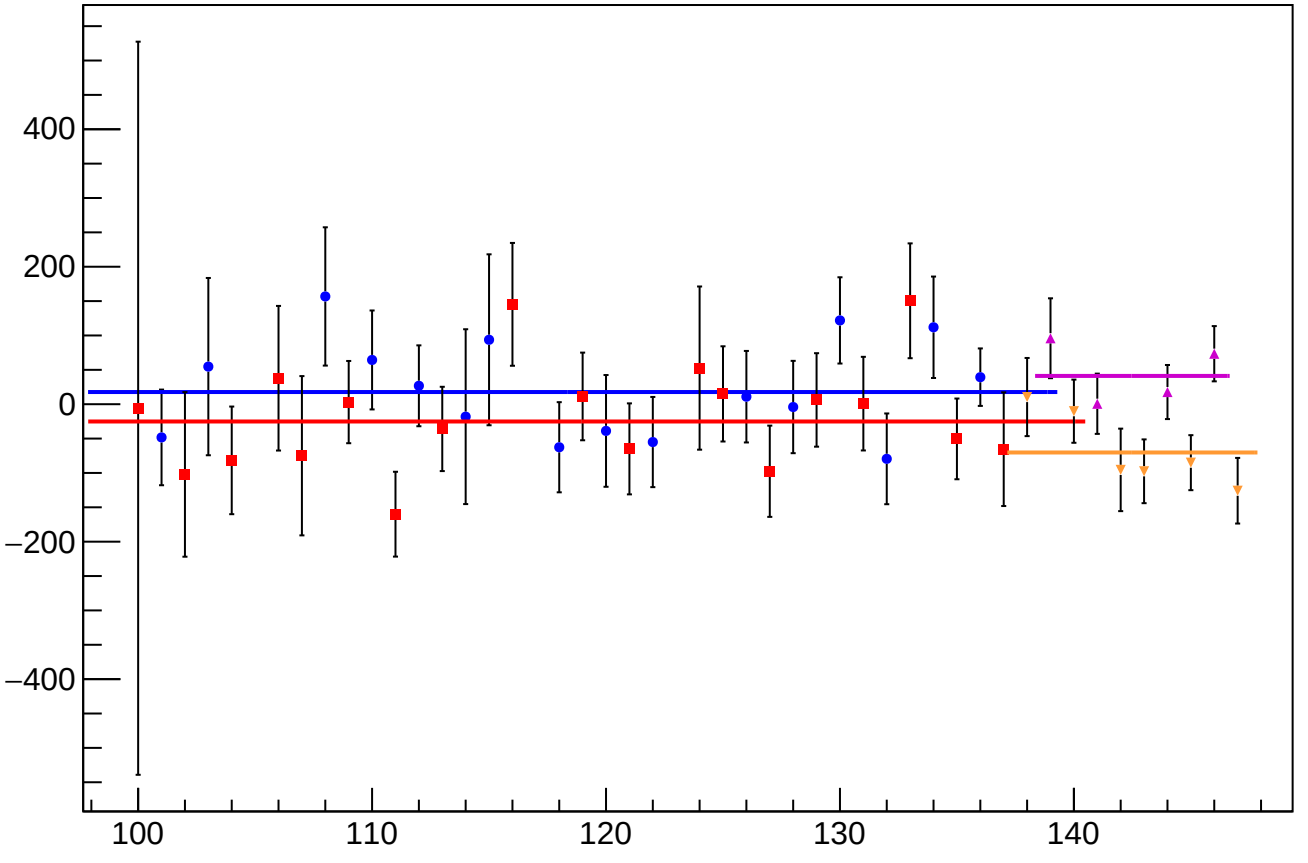
Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

+ sign 376.798+/-0.083 χ^2/NDF: 2473188.0/21

All: 376.790+/-0.060 χ^2/NDF: 4822289.3/44

- sign 376.780+/-0.086 χ^2/NDF: 2349101.3/22

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

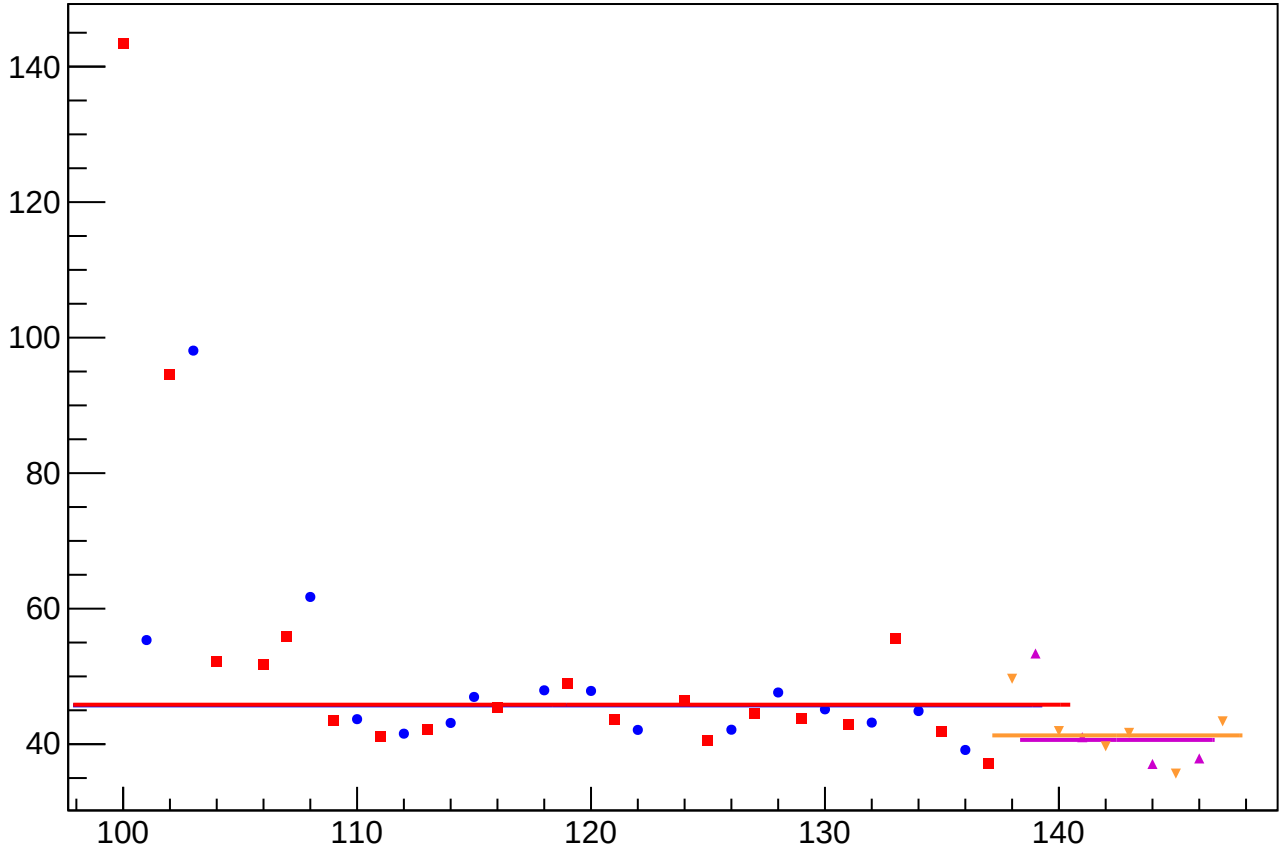
Left In: 41.147+/-21.916 χ^2/NDF:2.7/3

+ sign -21.114+/-13.057 χ^2/NDF: 30.9/21

All: -10.805+/-9.418 χ^2/NDF: 58.5/44

- sign 0.375+/-13.598 χ^2/NDF: 26.4/22

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

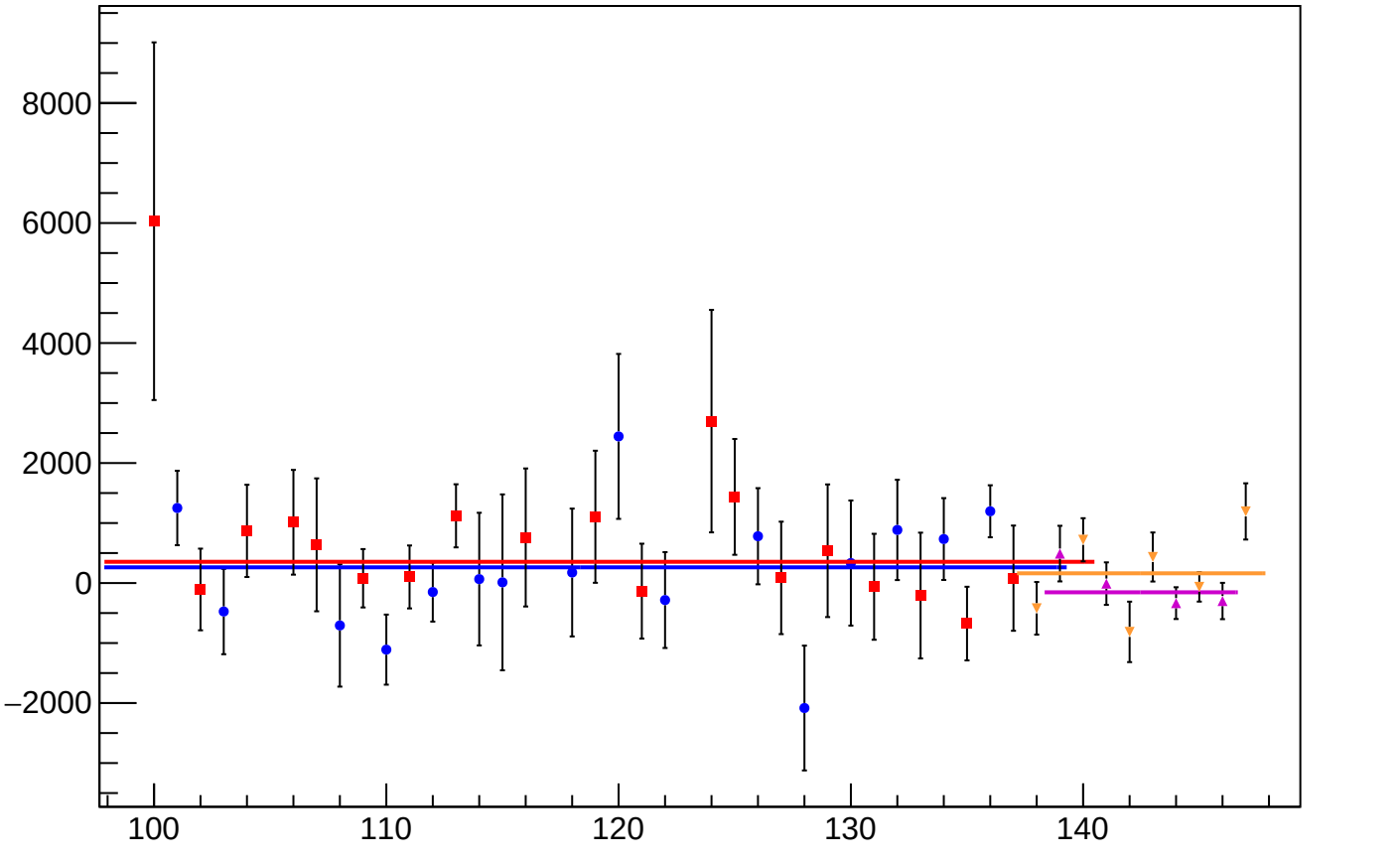
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.771+/-0.009 χ^2/NDF: 646951.3/21

All: 43.797+/-0.007 χ^2/NDF: 1376599.2/44

- sign 43.825+/-0.010 χ^2/NDF: 729631.3/22



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

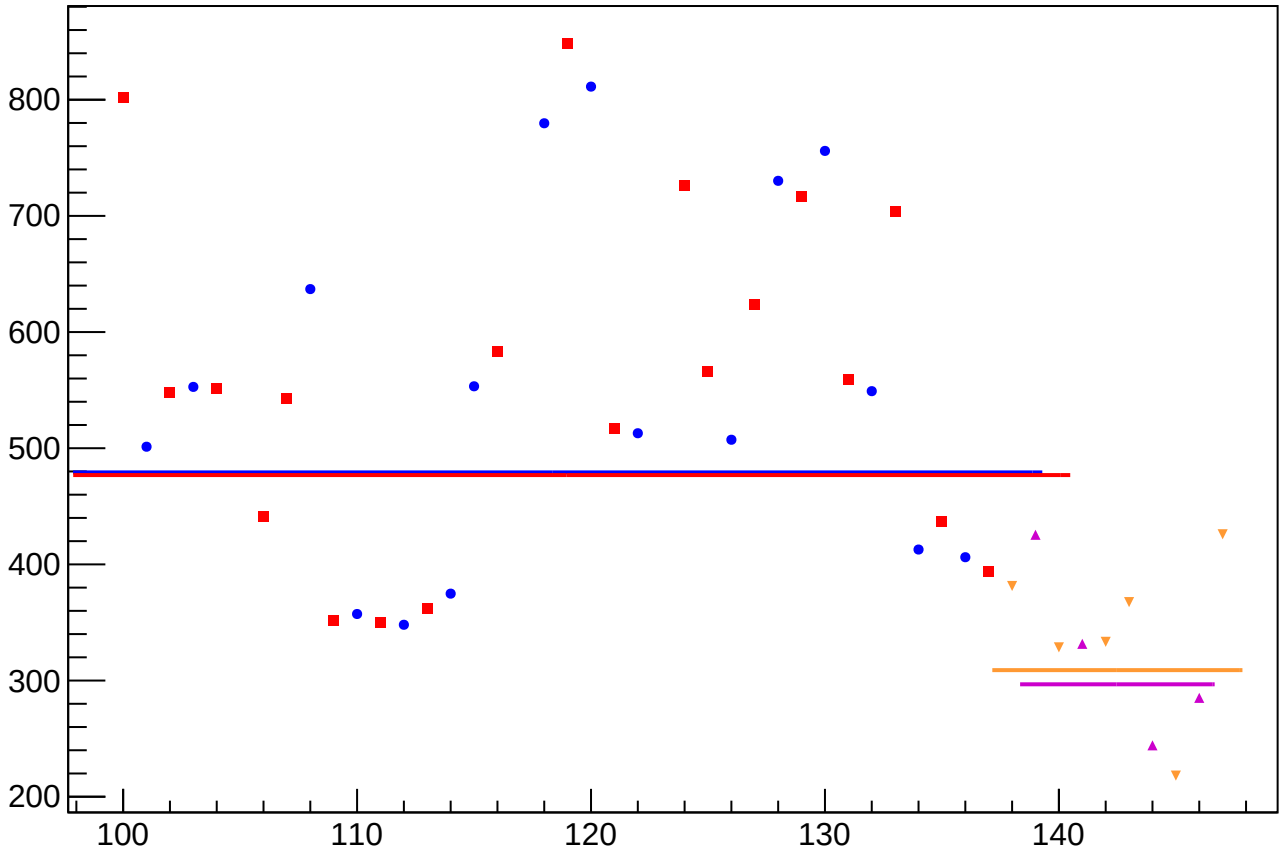
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -154.369+/-162.620 χ^2/NDF:2.8/3

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 139.164+/-84.159 χ^2/NDF: 62.2/44

- sign 71.542+/-121.236 χ^2/NDF: 22.3/22



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

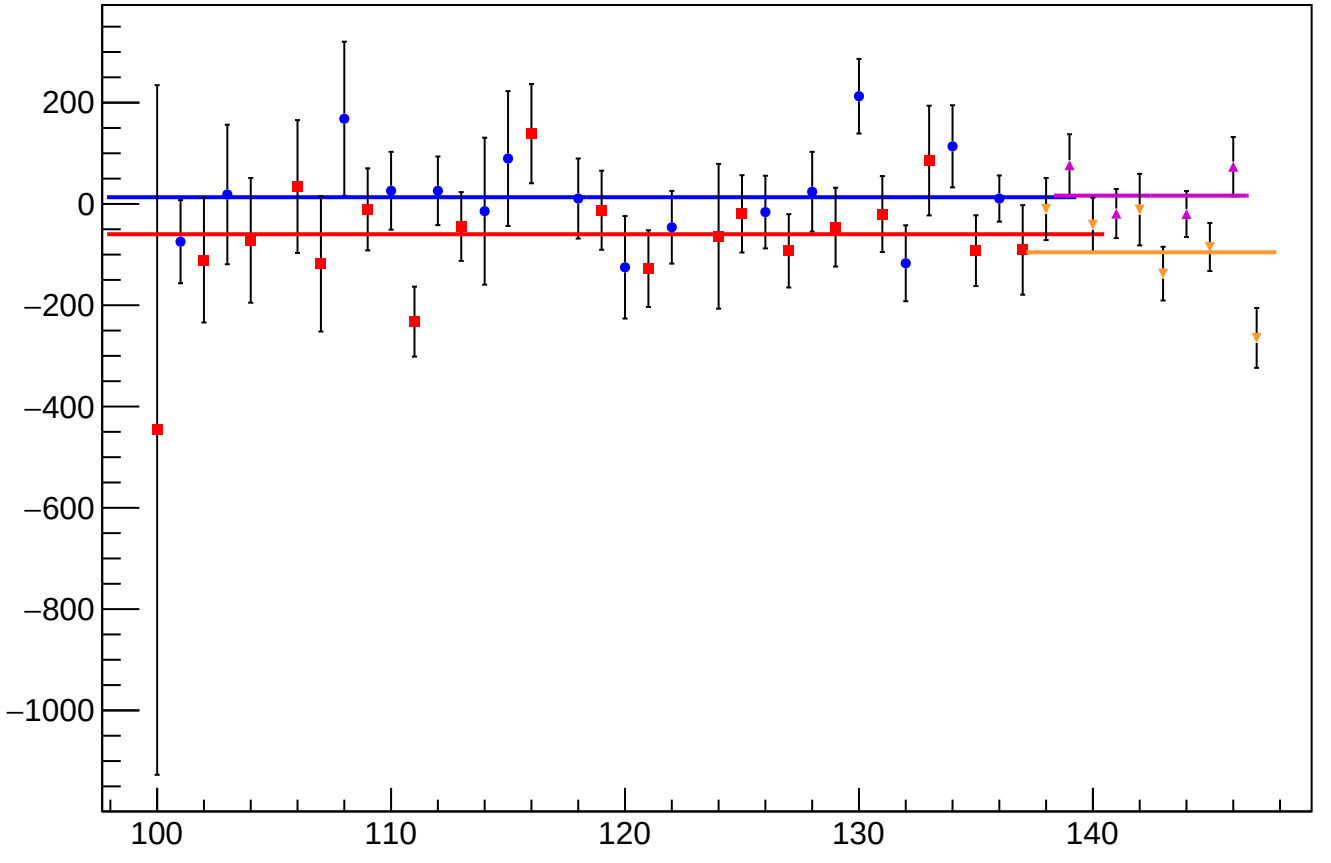
Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

+ sign 376.798+/-0.083 χ^2/NDF: 2473188.0/21

All: 376.790+/-0.060 χ^2/NDF: 4822289.3/44

- sign 376.780+/-0.086 χ^2/NDF: 2349101.3/22

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

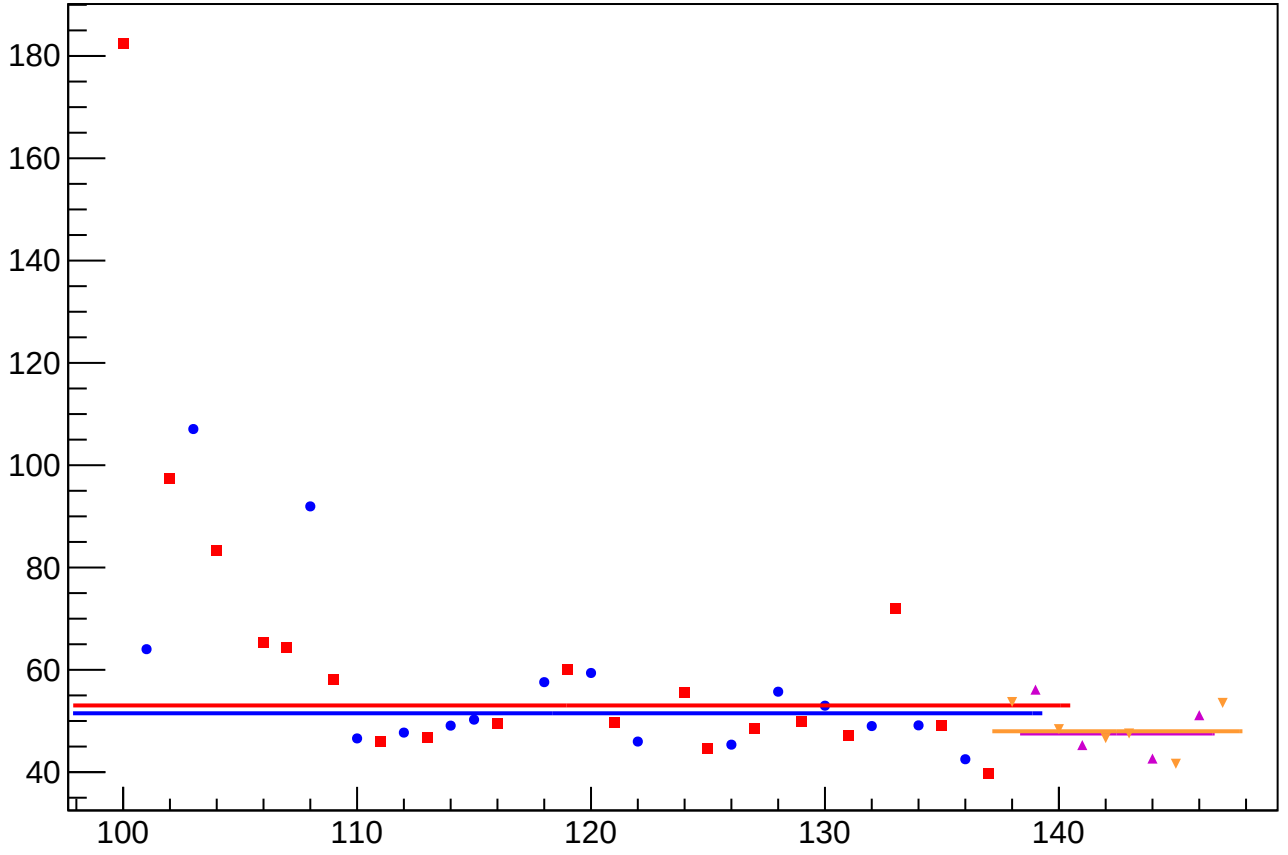
Left In: 16.399+/-26.085 χ^2/NDF:3.1/3

+ sign -33.374+/-15.001 χ^2/NDF: 43.4/21

All: -32.347+/-10.940 χ^2/NDF: 67.9/44

- sign -31.181+/-15.988 χ^2/NDF: 24.5/22

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.6/5

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

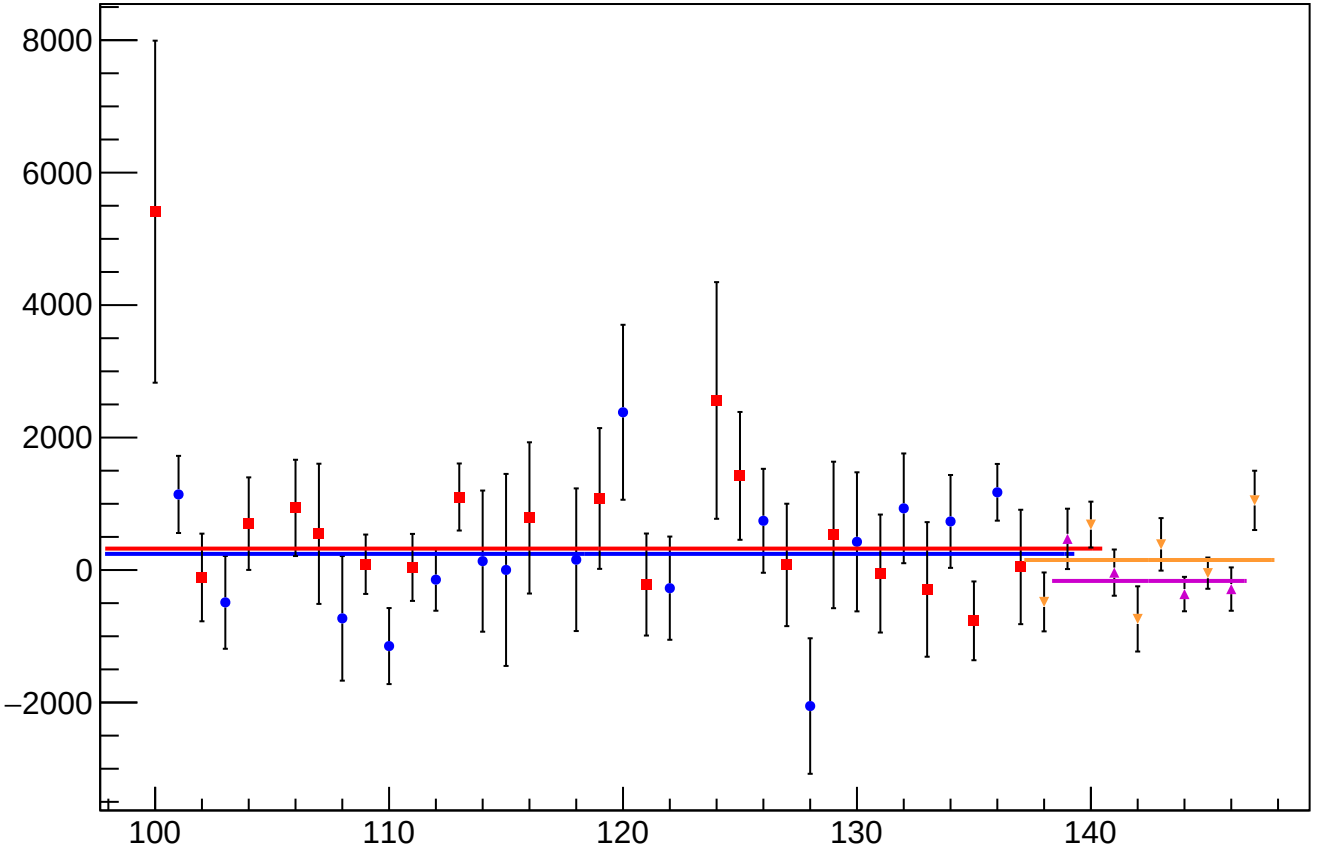
Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

+ sign 49.998+/-0.011 χ^2/NDF: 765863.4/21

All: 50.457+/-0.008 χ^2/NDF: 1612376.5/44

- sign 50.977+/-0.011 χ^2/NDF: 842522.2/22

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.537+/-146.110 χ^2/NDF:12.8/5

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

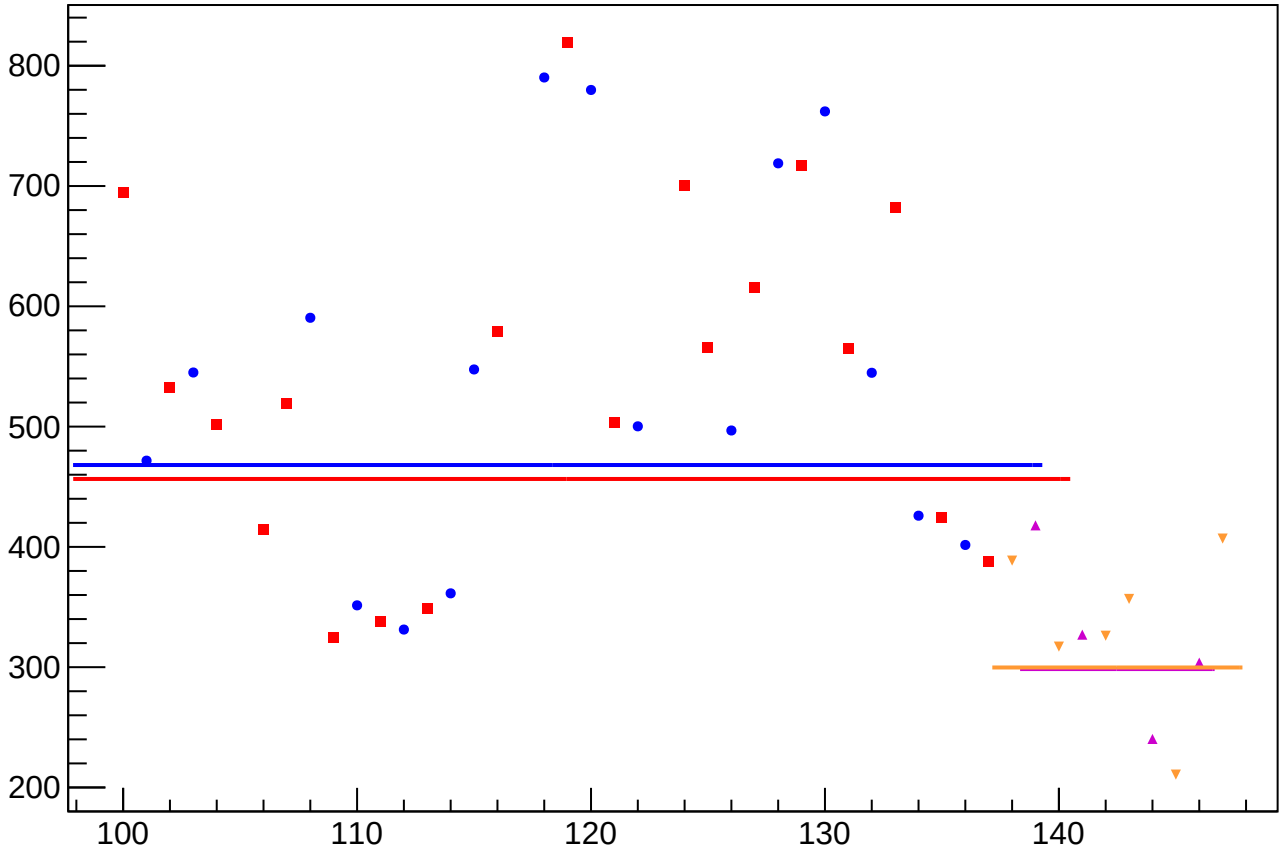
Left In: -164.479+/-164.006 χ^2/NDF:2.8/3

+ sign 187.980+/-113.658 χ^2/NDF: 38.5/21

All: 129.749+/-82.267 χ^2/NDF: 62.5/44

- sign 65.670+/-119.228 χ^2/NDF: 23.4/22

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 299.747+/-0.103 χ^2/NDF:531776.5/5

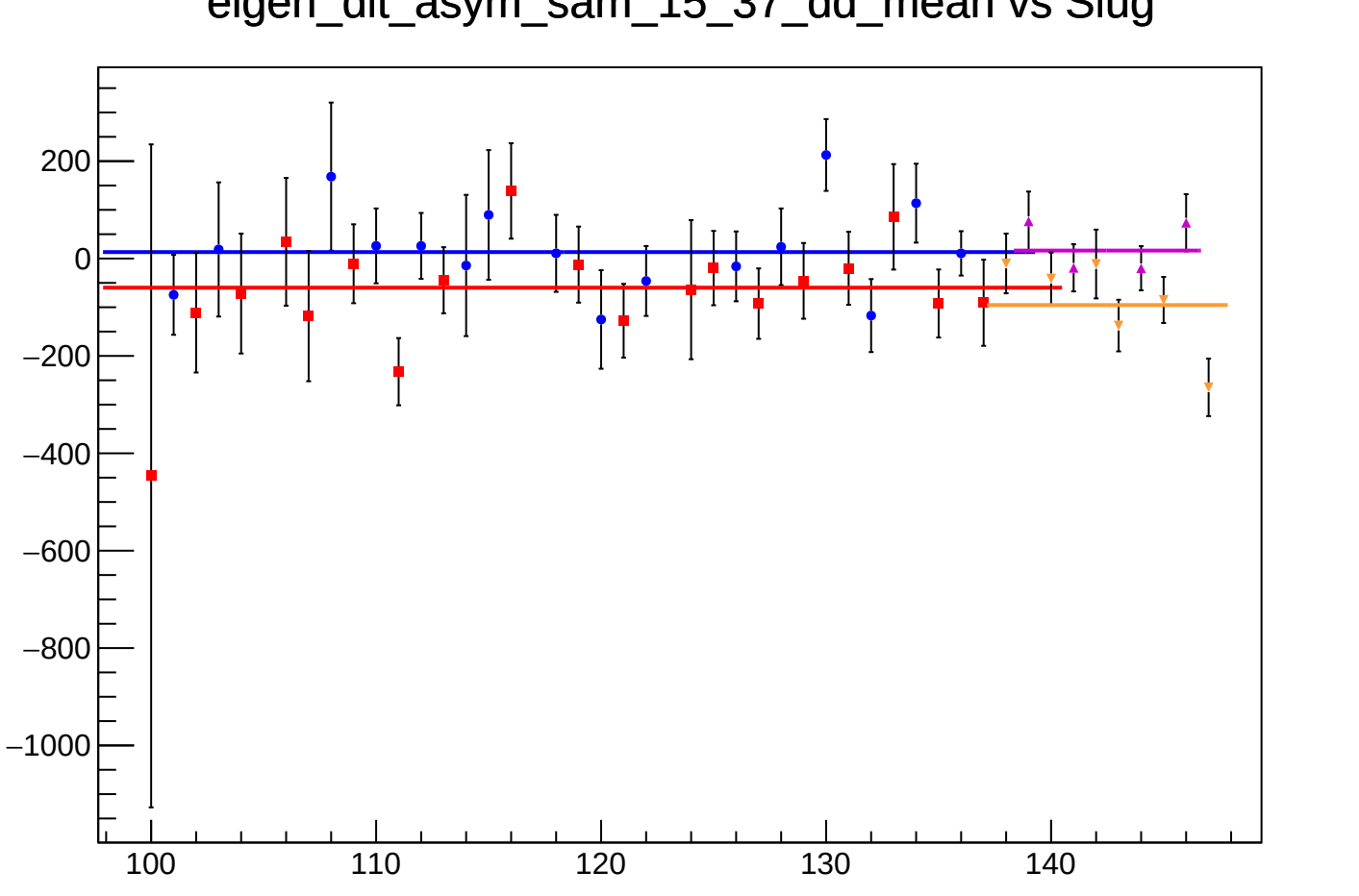
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 298.439+/-0.116 χ^2/NDF:251374.3/3

+ sign 366.212+/-0.080 χ^2/NDF: 2562773.6/21

All: 369.421+/-0.058 χ^2/NDF: 4775607.8/44

- sign 372.952+/-0.084 χ^2/NDF: 2209485.7/22



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

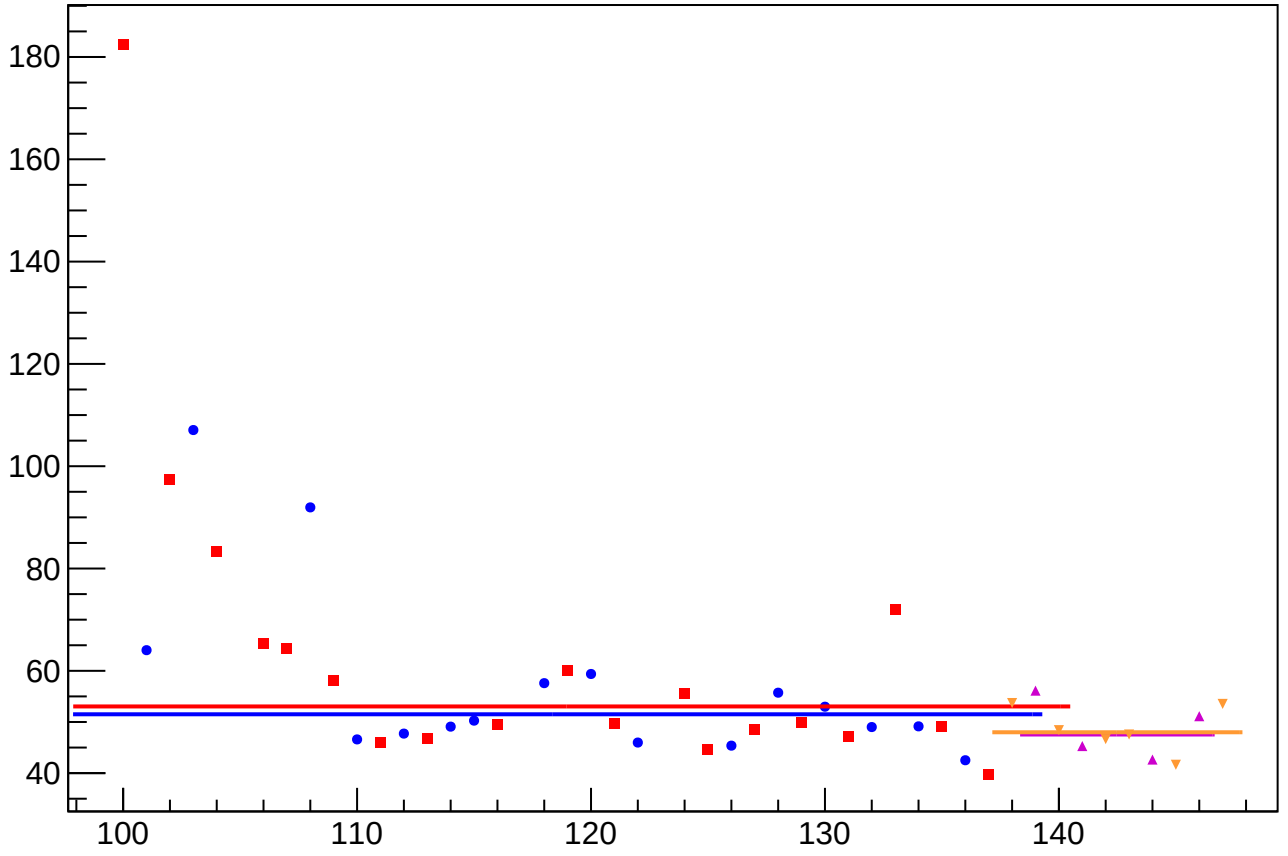
Left In: 16.399+/-26.085 χ^2/NDF:3.1/3

+ sign -33.374+/-15.001 χ^2/NDF: 43.4/21

All: -32.347+/-10.940 χ^2/NDF: 67.9/44

- sign -31.182+/-15.988 χ^2/NDF: 24.5/22

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.3/5

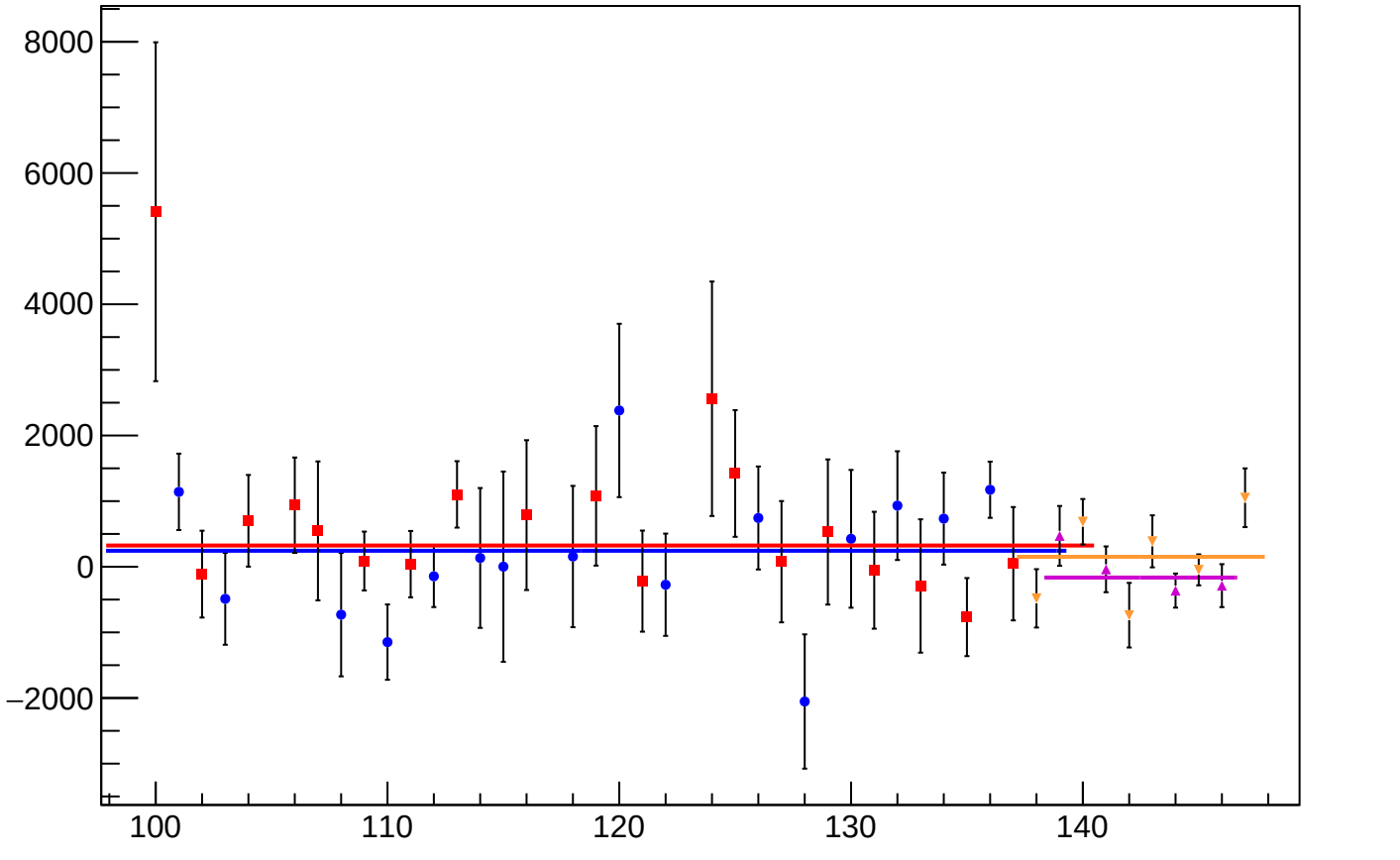
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

+ sign 49.998+/-0.011 χ^2/NDF: 765867.5/21

All: 50.457+/-0.008 χ^2/NDF: 1612390.0/44

- sign 50.977+/-0.011 χ^2/NDF: 842531.5/22



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.538+/-146.110 χ^2/NDF:12.8/5

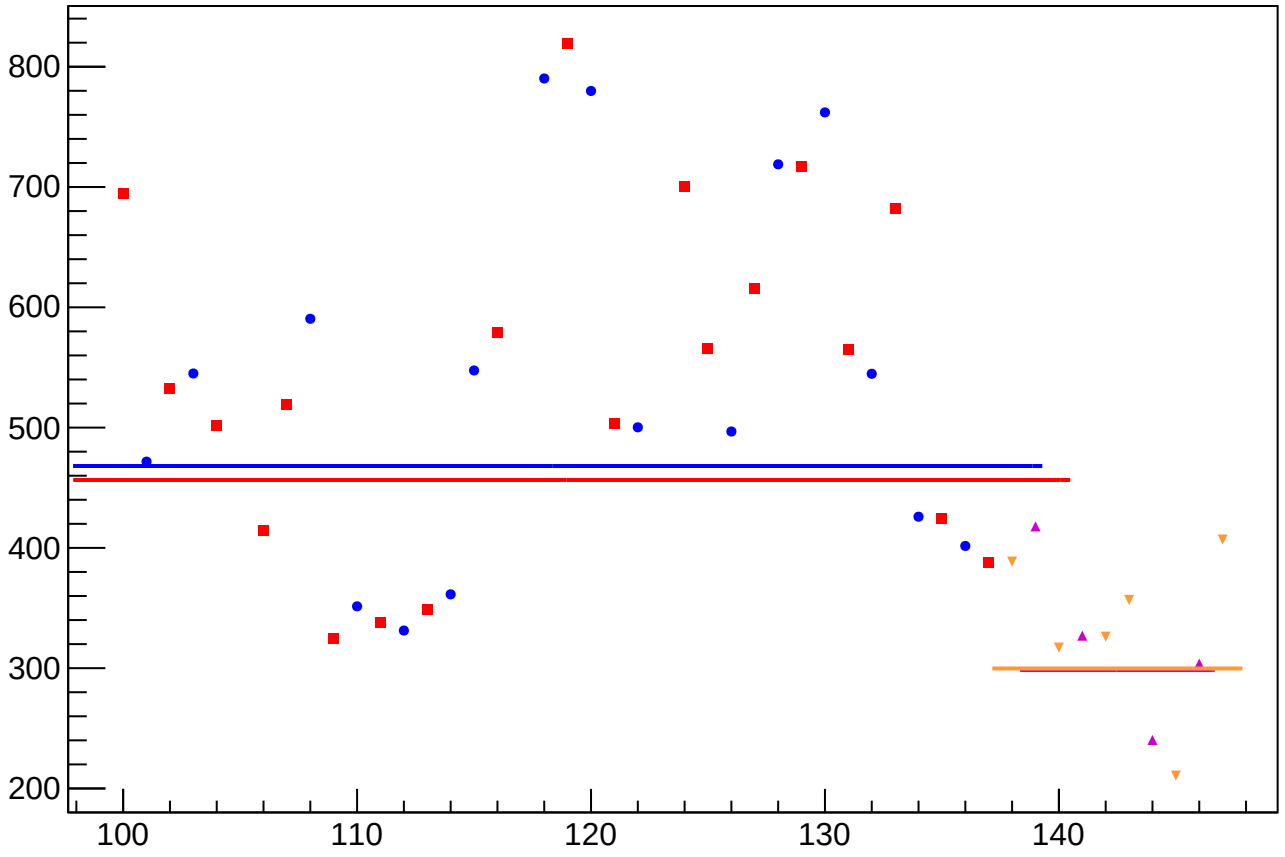
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -164.479+/-164.006 χ^2/NDF:2.8/3

+ sign 187.981+/-113.658 χ^2/NDF: 38.5/21

All: 129.749+/-82.267 χ^2/NDF: 62.5/44

- sign 65.671+/-119.227 χ^2/NDF: 23.4/22



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 299.747+/-0.103 χ^2/NDF:531779.8/5

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

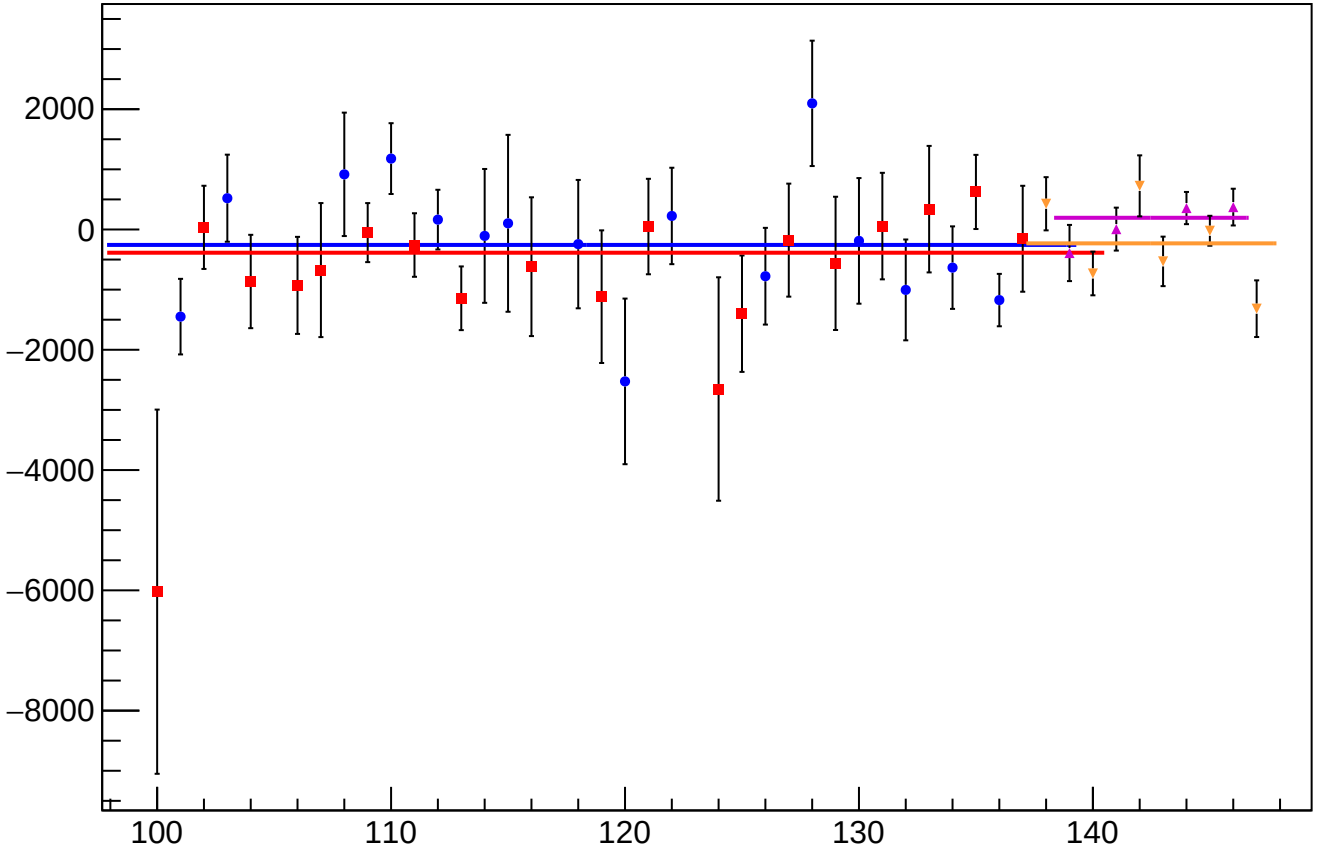
Left In: 298.439+/-0.116 χ^2/NDF:251376.2/3

+ sign 366.212+/-0.080 χ^2/NDF: 2562770.7/21

All: 369.421+/-0.058 χ^2/NDF: 4775594.3/44

- sign 372.952+/-0.084 χ^2/NDF: 2209474.9/22

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -230.779+/-152.200 χ^2/NDF:14.2/5

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

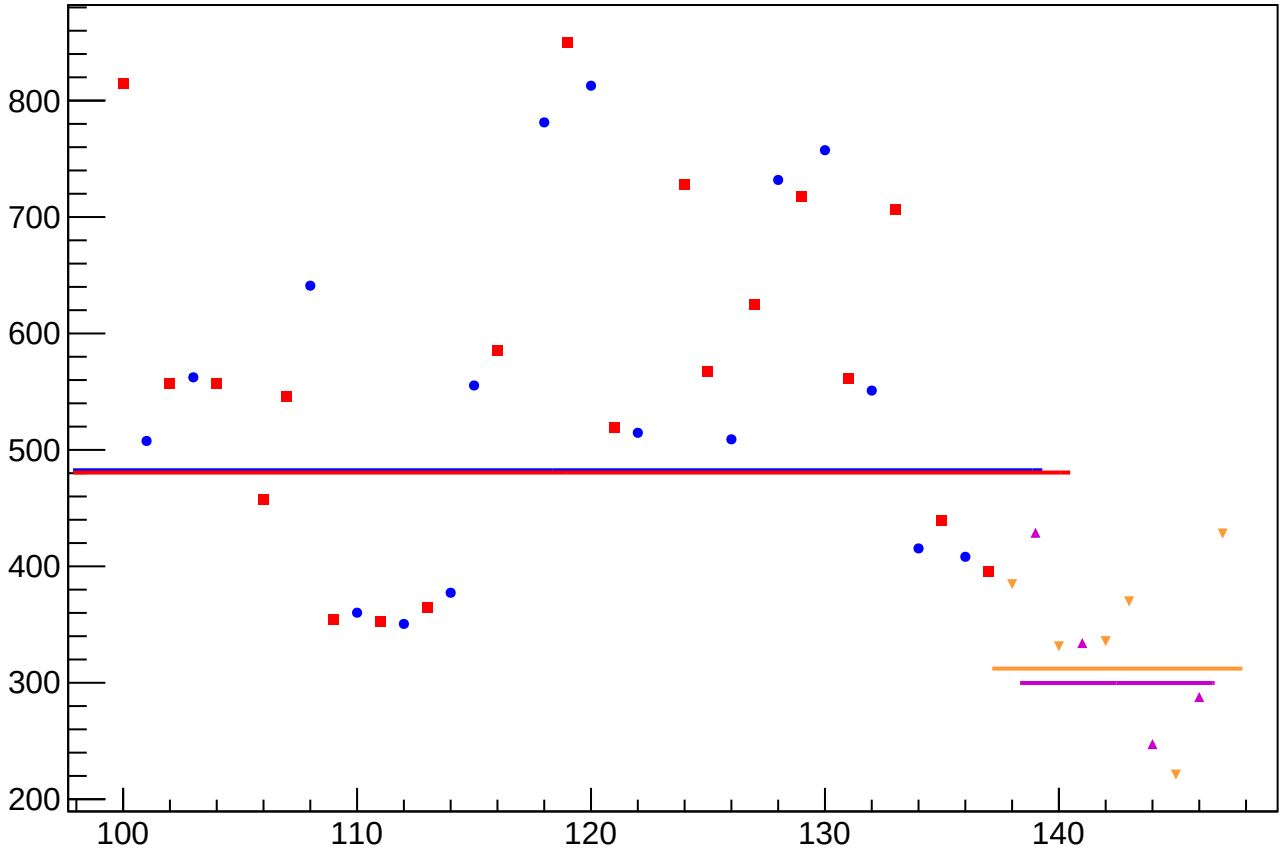
Left In: 194.473+/-164.213 χ^2/NDF:2.6/3

+ sign -241.163+/-117.908 χ^2/NDF: 41.2/21

All: -156.421+/-84.793 χ^2/NDF: 64.6/44

- sign -65.649+/-122.030 χ^2/NDF: 22.4/22

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 312.169+/-0.108 χ^2/NDF:492016.3/5

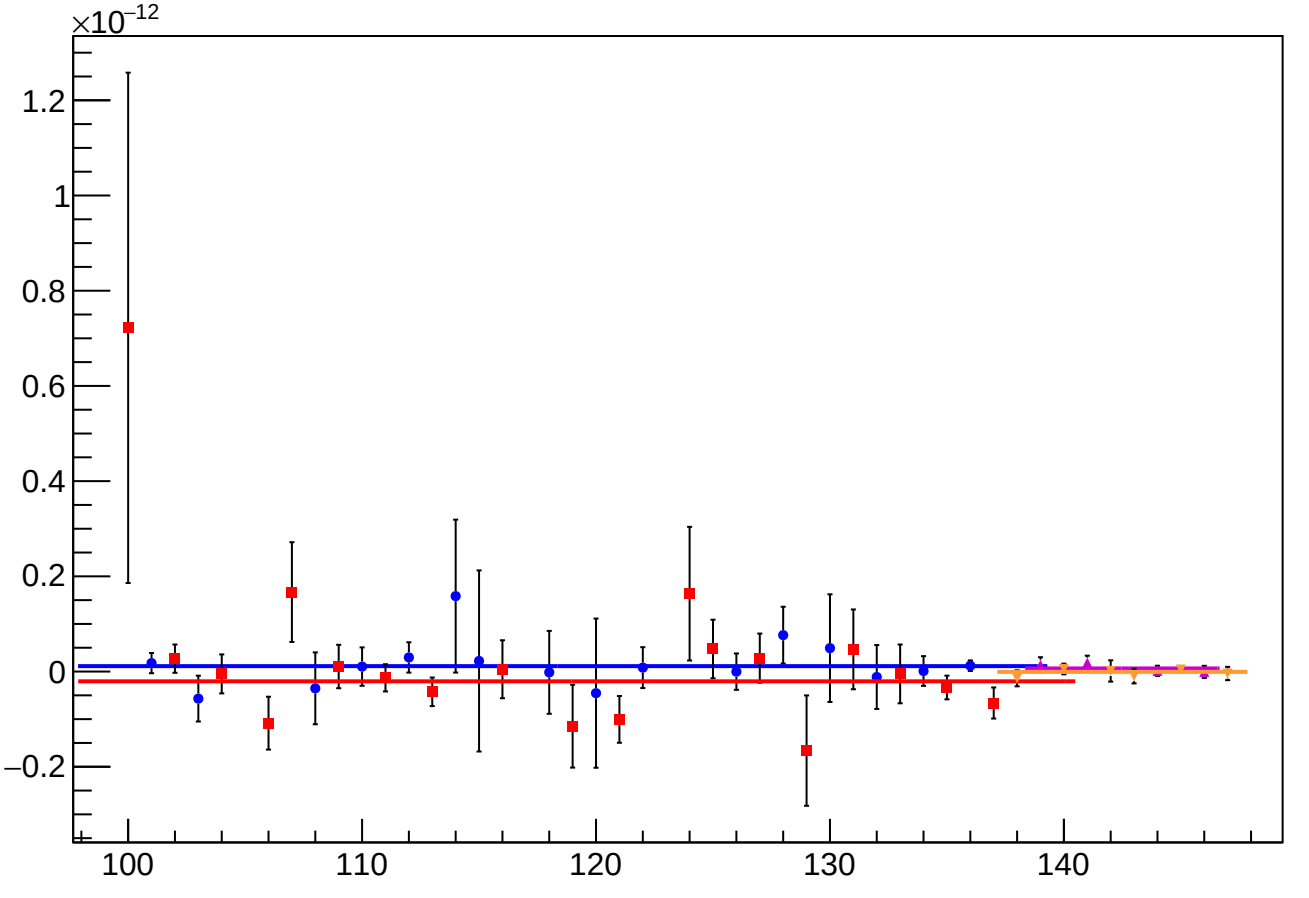
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 299.834+/-0.116 χ^2/NDF:251025.8/3

+ sign 380.282+/-0.083 χ^2/NDF: 2440289.3/21

All: 380.512+/-0.060 χ^2/NDF: 4769835.4/44

- sign 380.758+/-0.086 χ^2/NDF: 2329530.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

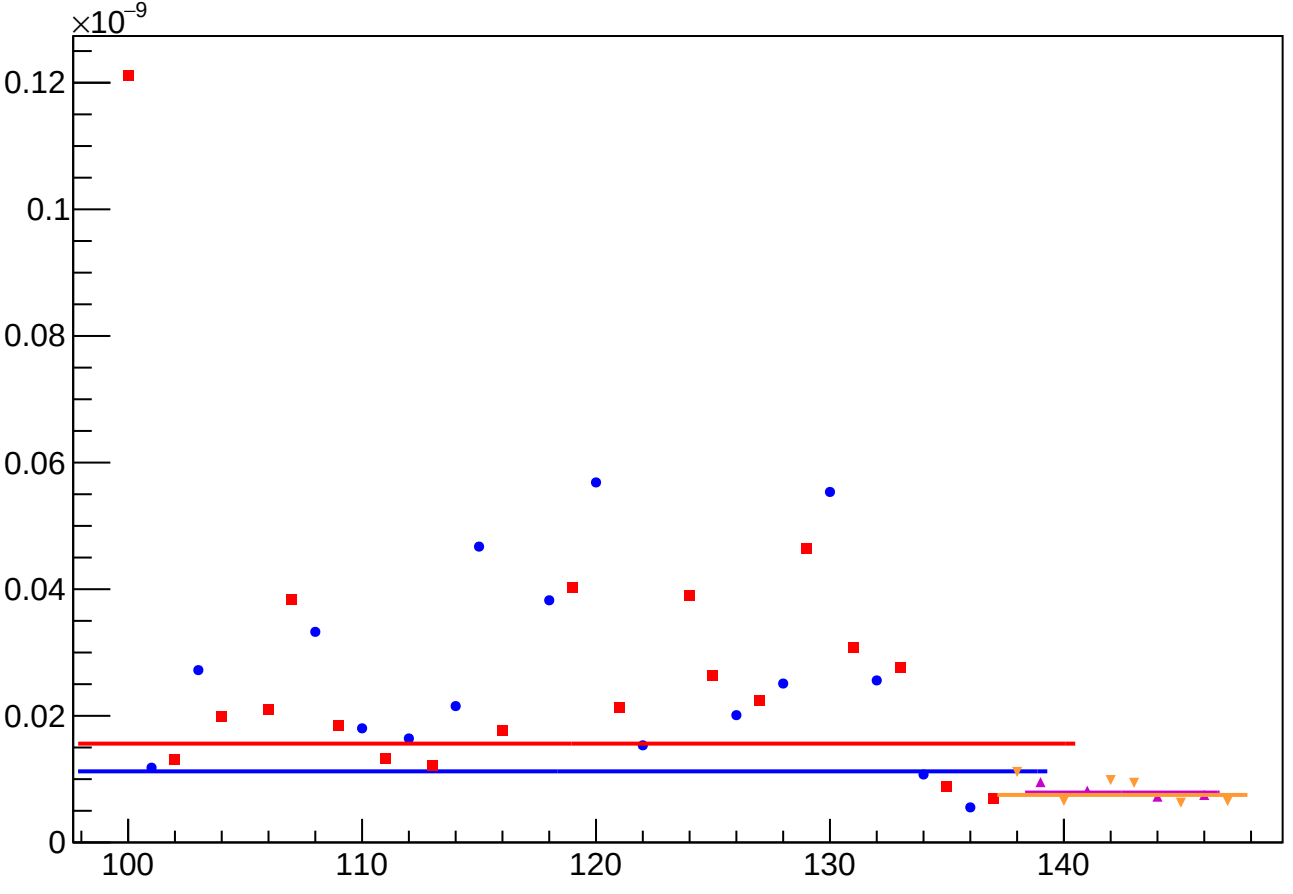
Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 8.6/21

All: 0.000+/-0.000 χ^2/NDF: 39.1/44

- sign -0.000+/-0.000 χ^2/NDF: 30.2/22

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:200934.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

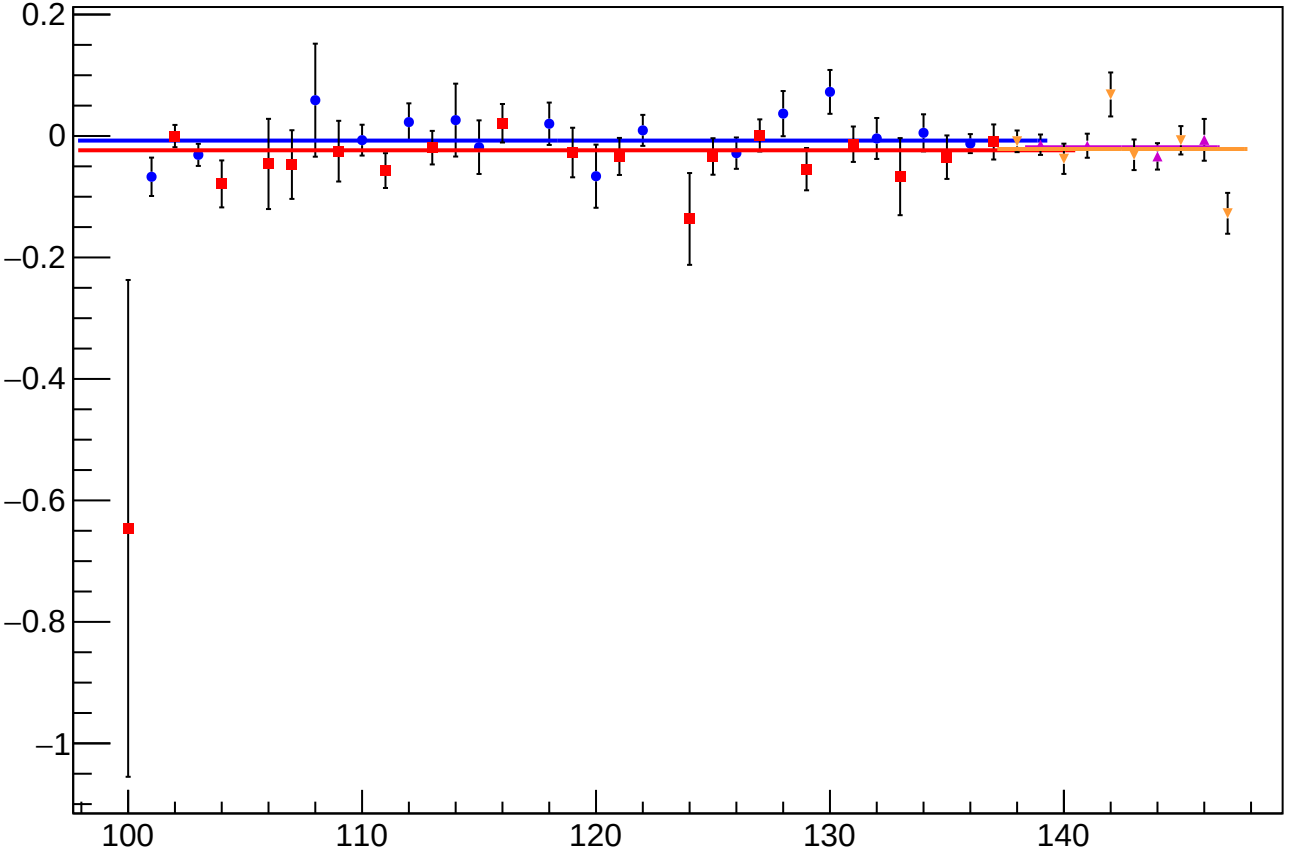
Left In: 0.000+/-0.000 χ^2/NDF:31521.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 2599260.8/21

All: 0.000+/-0.000 χ^2/NDF: 4702192.2/44

- sign 0.000+/-0.000 χ^2/NDF: 2025478.6/22

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: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

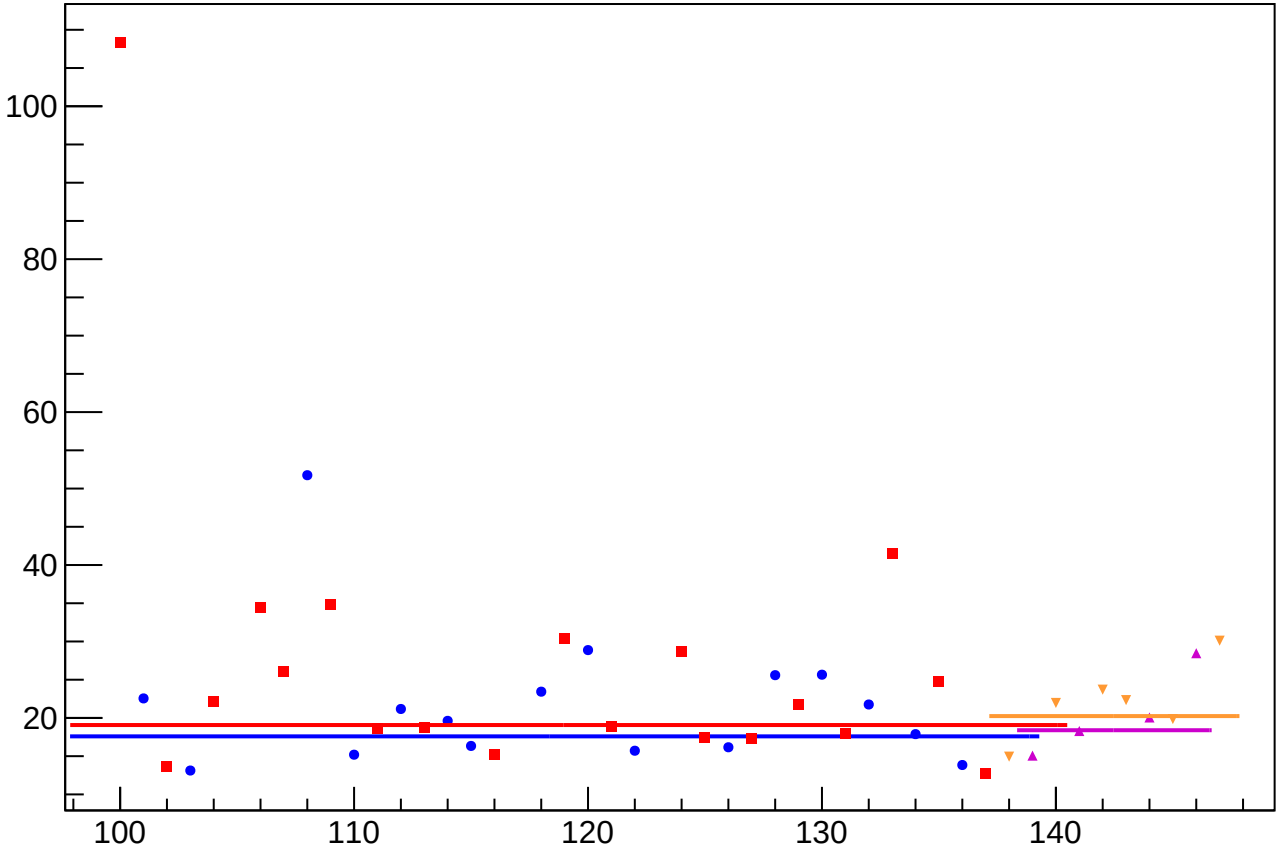
Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.017+/-0.004 χ^2/NDF: 52.2/44

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

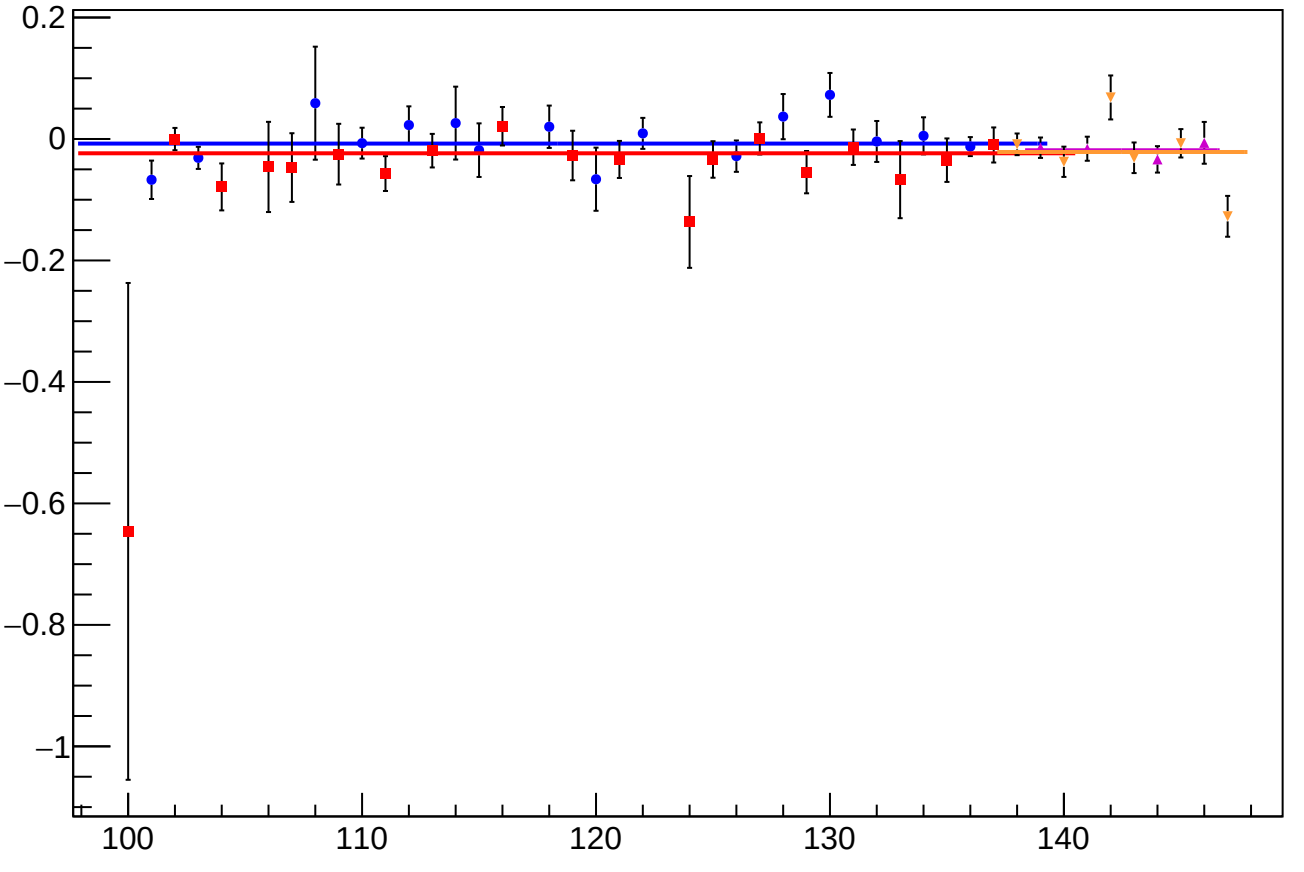
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

\+ sign 18.485+/-0.004 χ^2/NDF: 1475779.2/21

All: 18.649+/-0.003 χ^2/NDF: 2993726.1/44

\- sign 18.833+/-0.004 χ^2/NDF: 1514635.4/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

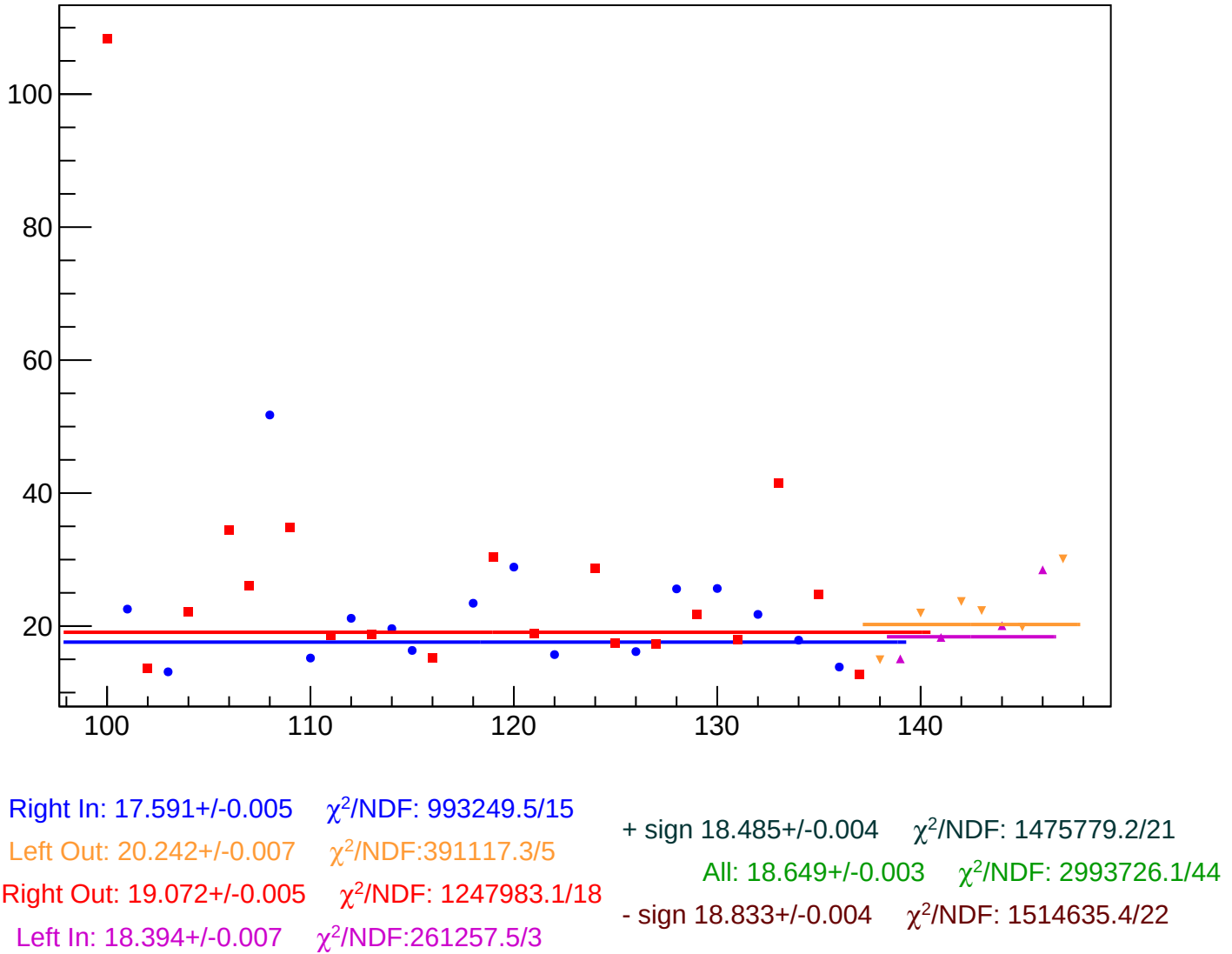
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

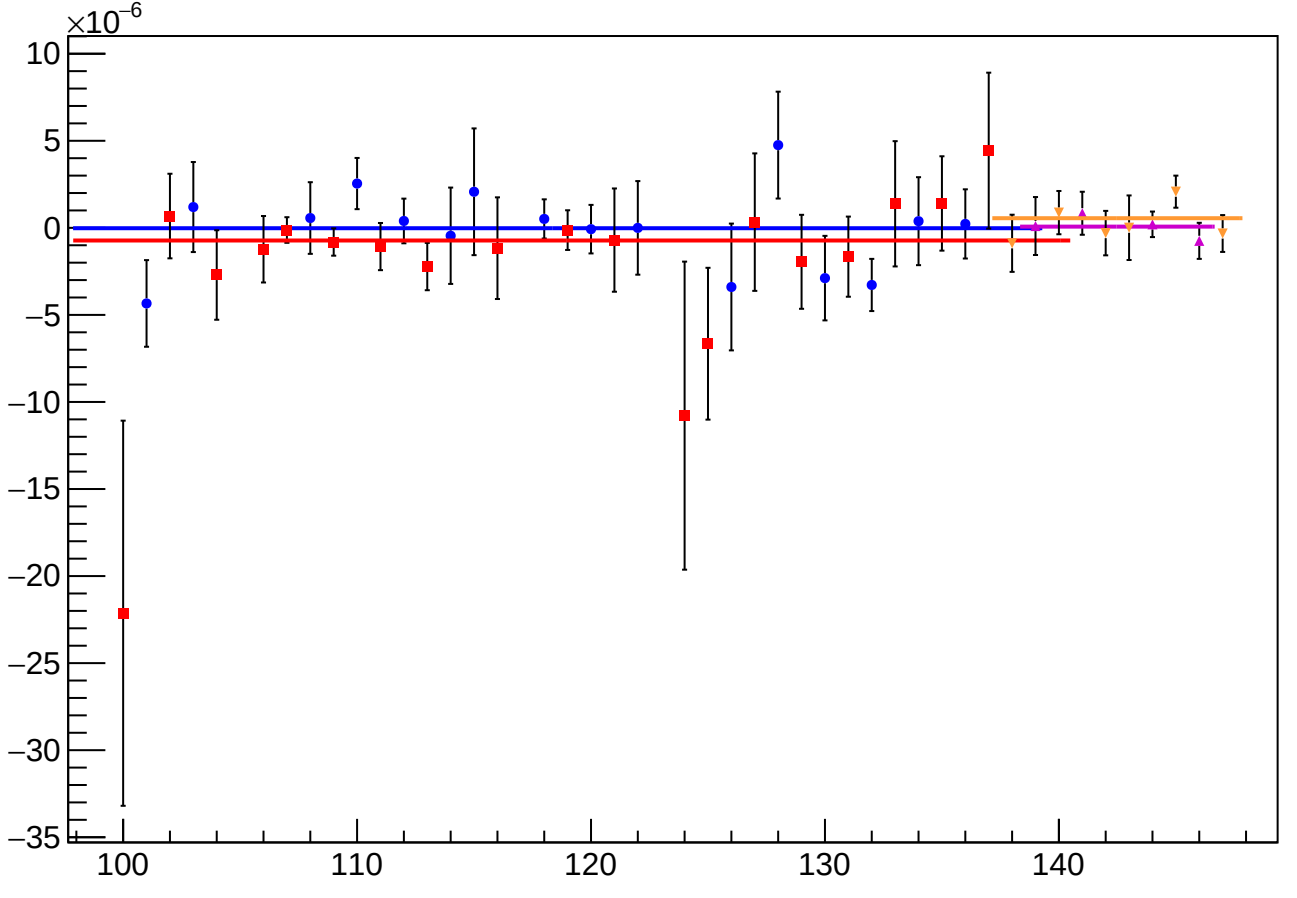
Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.017+/-0.004 χ^2/NDF: 52.2/44

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
Right In: 17.591+/-0.005 χ²/NDF: 993249.5/15
Left Out: 20.242+/-0.007 χ²/NDF:391117.3/5
Right Out: 19.072+/-0.005 χ²/NDF: 1247983.1/18
Left In: 18.394+/-0.007 χ²/NDF:261257.5/3
+ sign 18.485+/-0.004 χ²/NDF: 1475779.2/21
All: 18.649+/-0.003 χ²/NDF: 2993726.1/44
- sign 18.833+/-0.004 χ²/NDF: 1514635.4/22



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/5

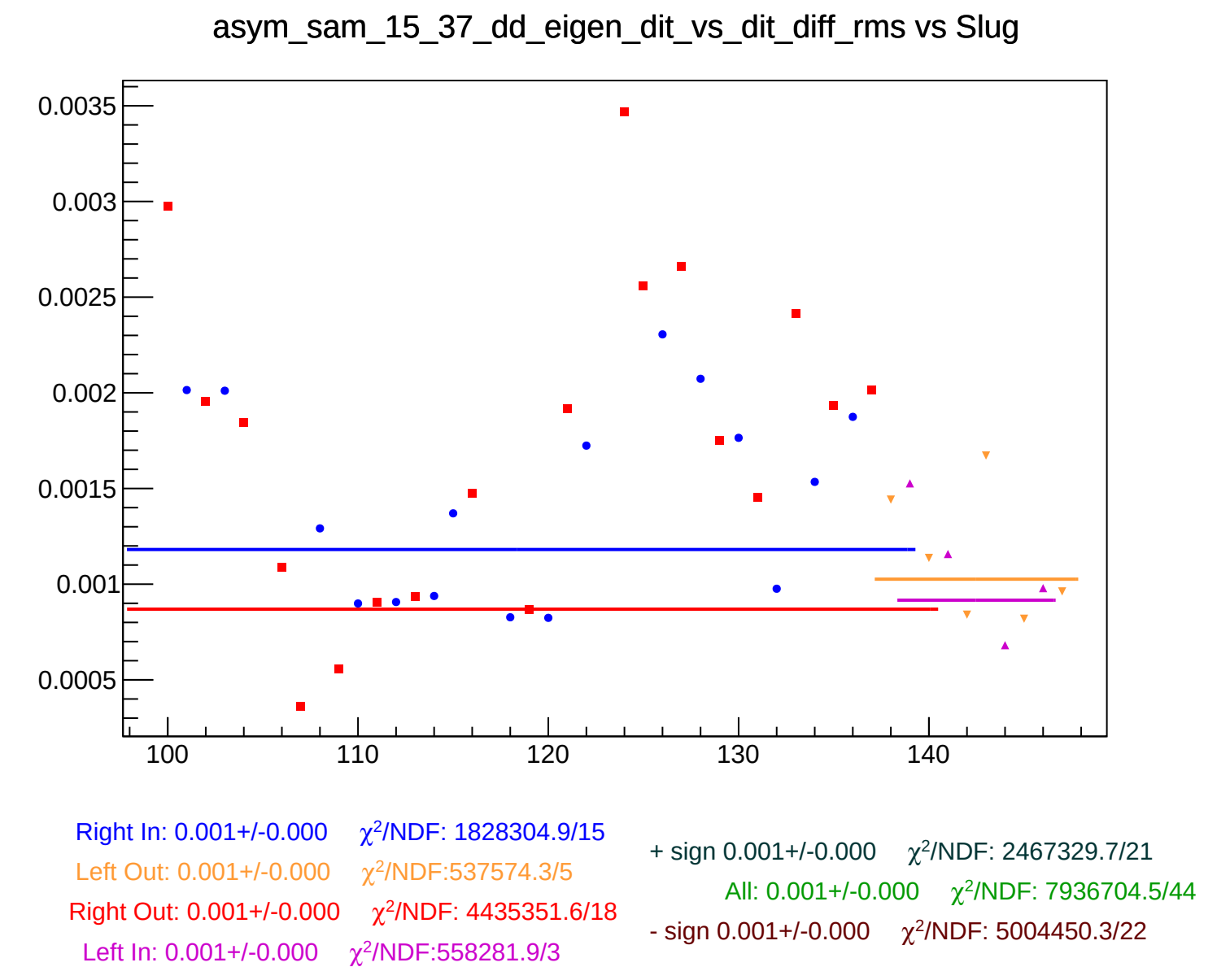
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

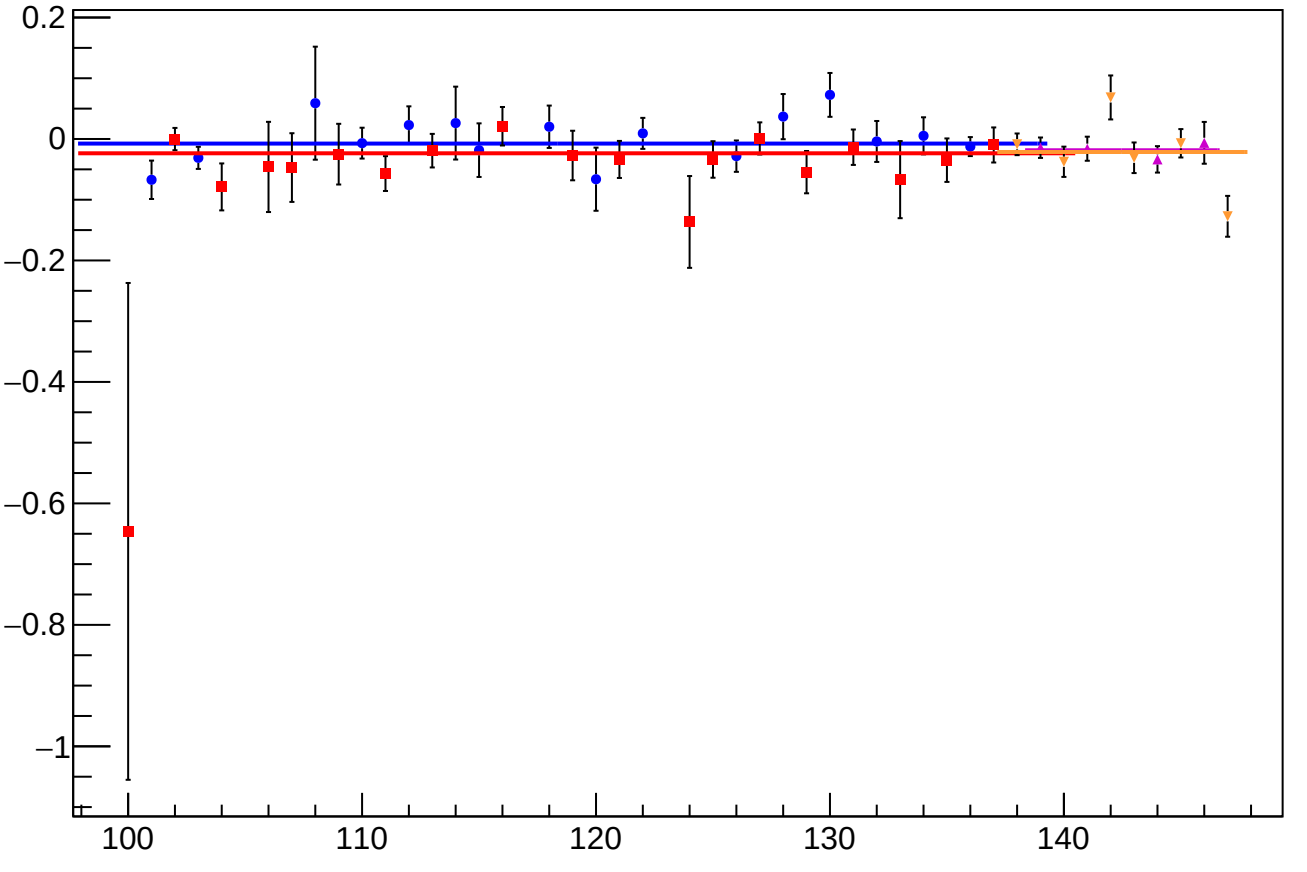
Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 39.7/44

- sign -0.000+/-0.000 χ^2/NDF: 15.5/22


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:537574.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:558281.9/3
+ sign 0.001+/-0.000 χ²/NDF: 2467329.7/21
All: 0.001+/-0.000 χ²/NDF: 7936704.5/44
- sign 0.001+/-0.000 χ²/NDF: 5004450.3/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

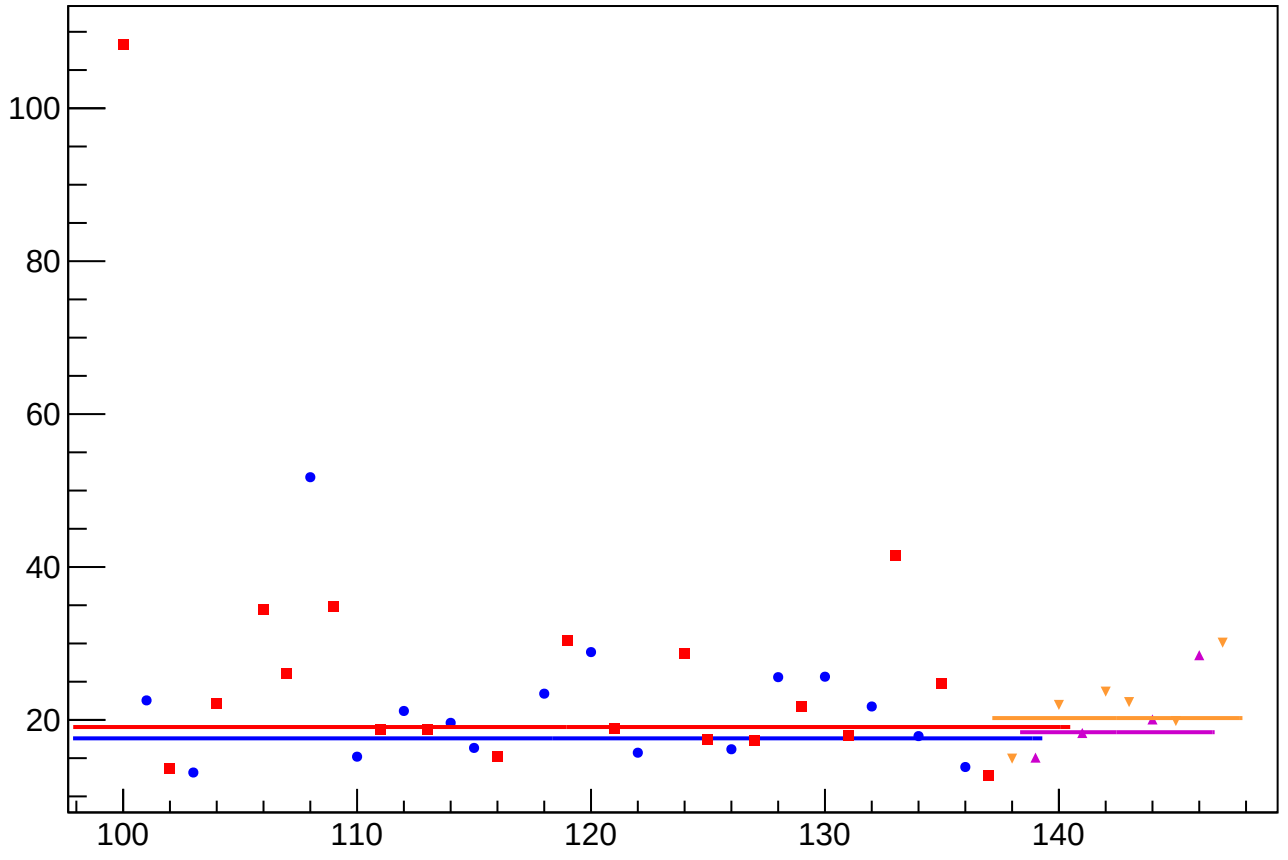
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.017+/-0.004 χ^2/NDF: 52.2/44

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.242+/-0.007 χ^2/NDF:391113.9/5

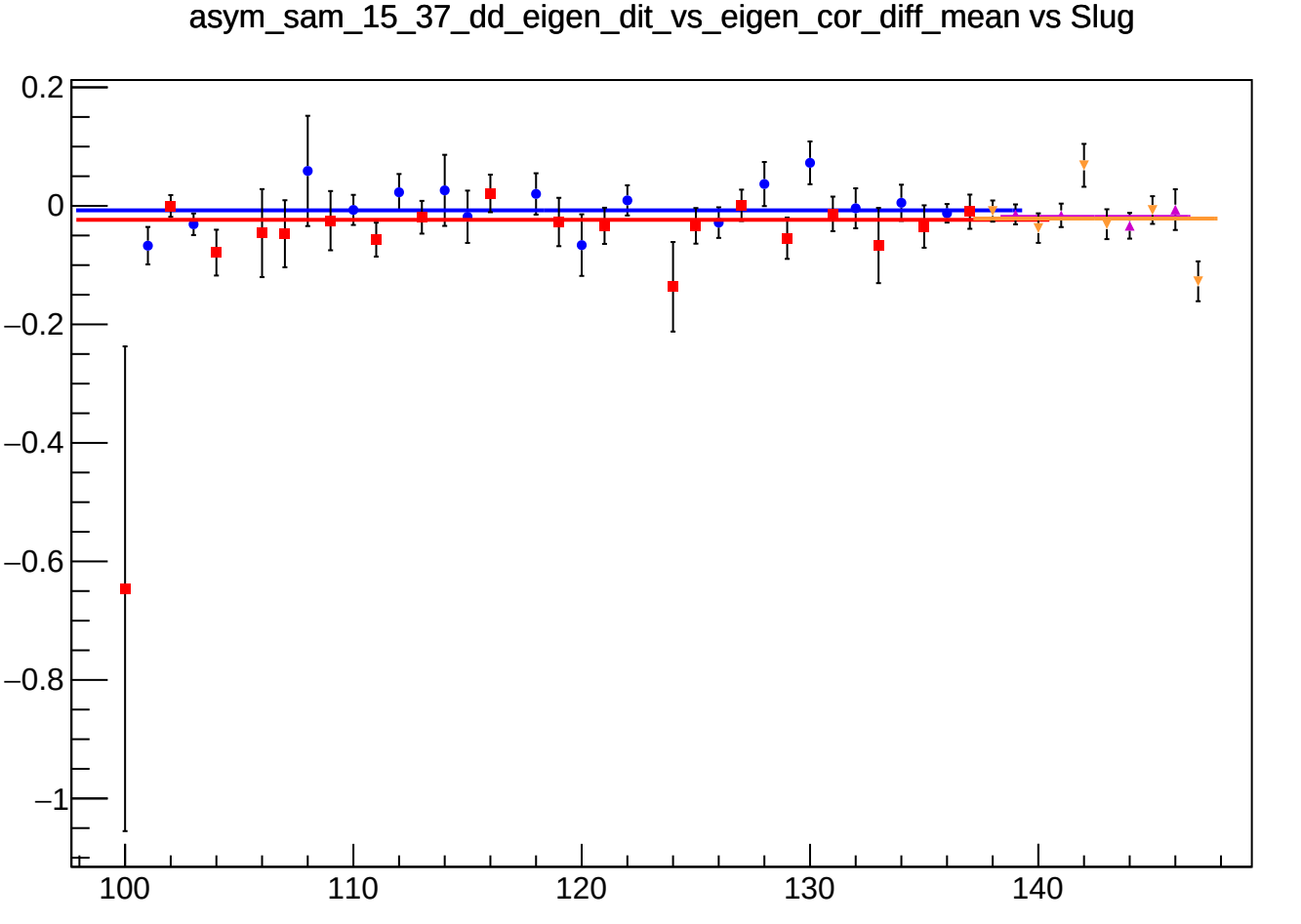
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

+ sign 18.485+/-0.004 χ^2/NDF: 1475820.3/21

All: 18.649+/-0.003 χ^2/NDF: 2993682.8/44

- sign 18.834+/-0.004 χ^2/NDF: 1514546.6/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

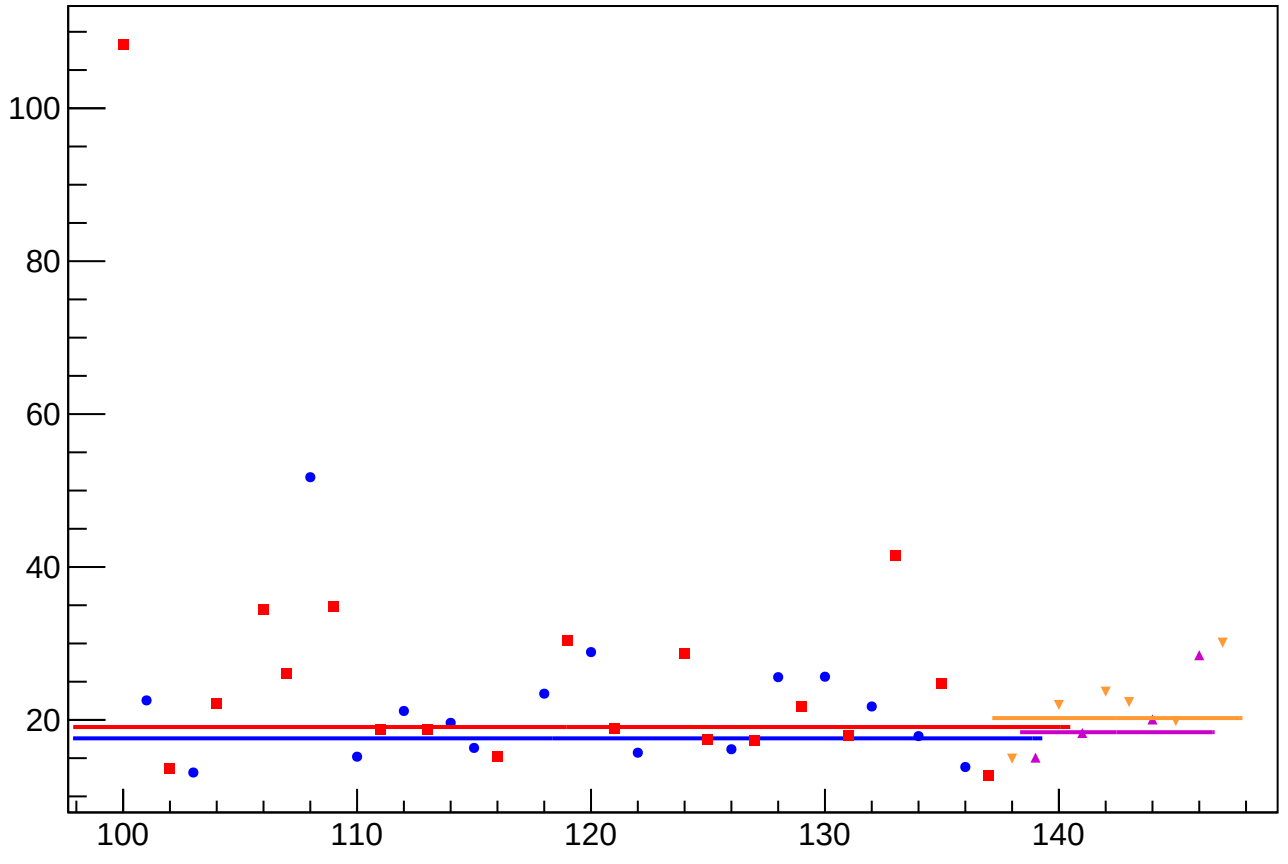
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.017+/-0.004 χ^2/NDF: 52.2/44

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.242+/-0.007 χ^2/NDF:391113.9/5

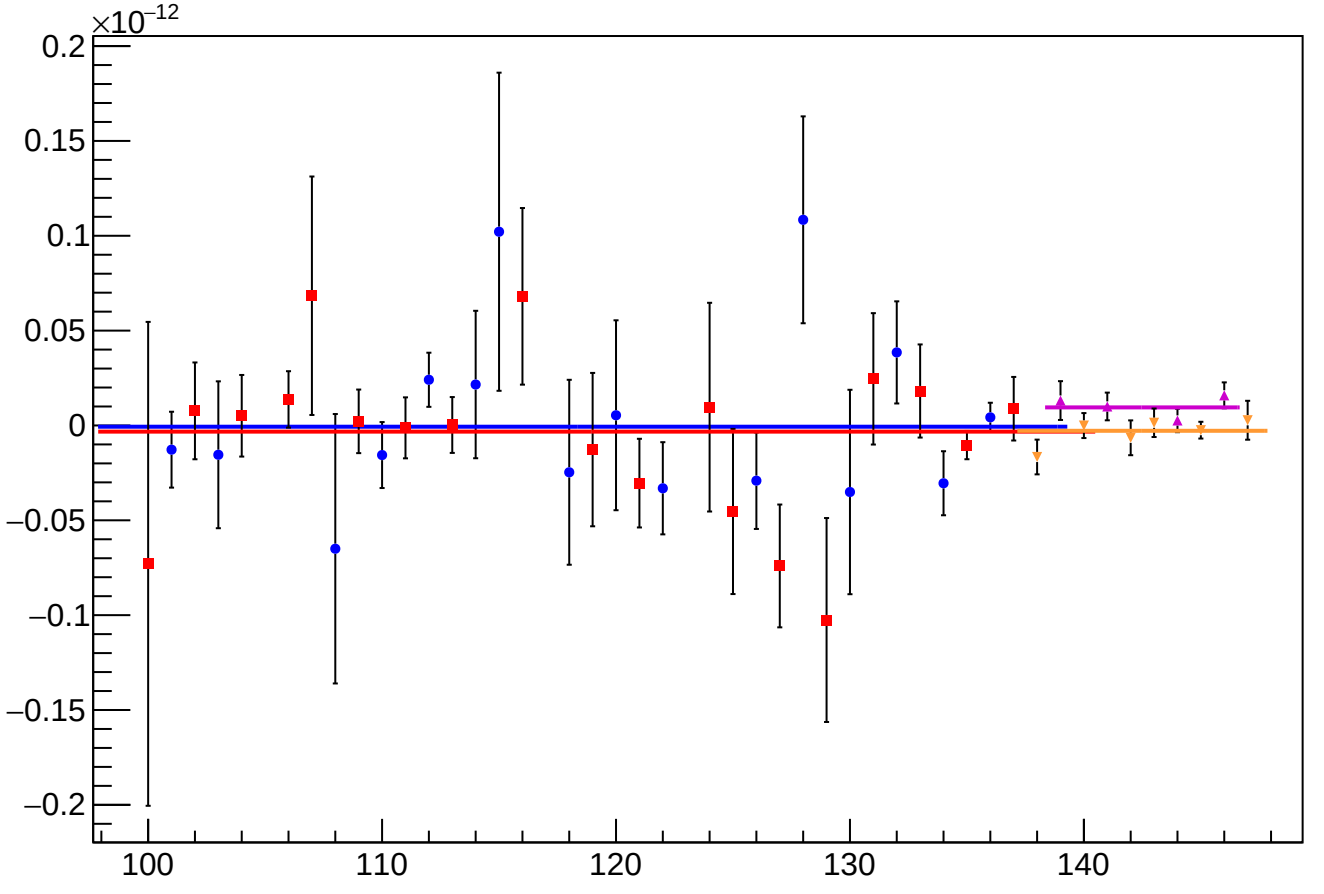
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

+ sign 18.485+/-0.004 χ^2/NDF: 1475820.3/21

All: 18.649+/-0.003 χ^2/NDF: 2993682.8/44

- sign 18.834+/-0.004 χ^2/NDF: 1514546.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/5

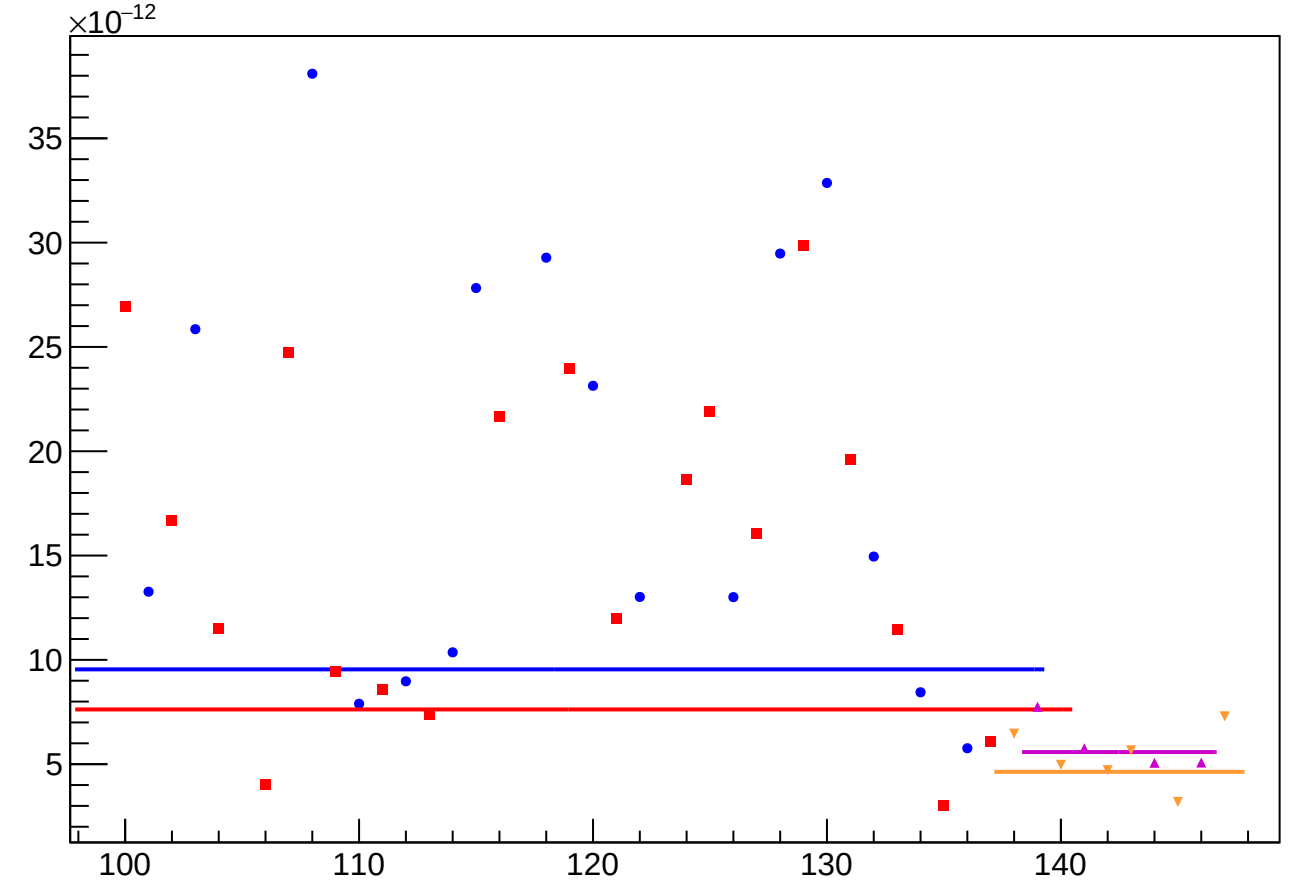
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/21

All: 0.000+/-0.000 χ^2/NDF: 53.2/44

- sign 0.000+/-0.000 χ^2/NDF: 26.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:471146.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

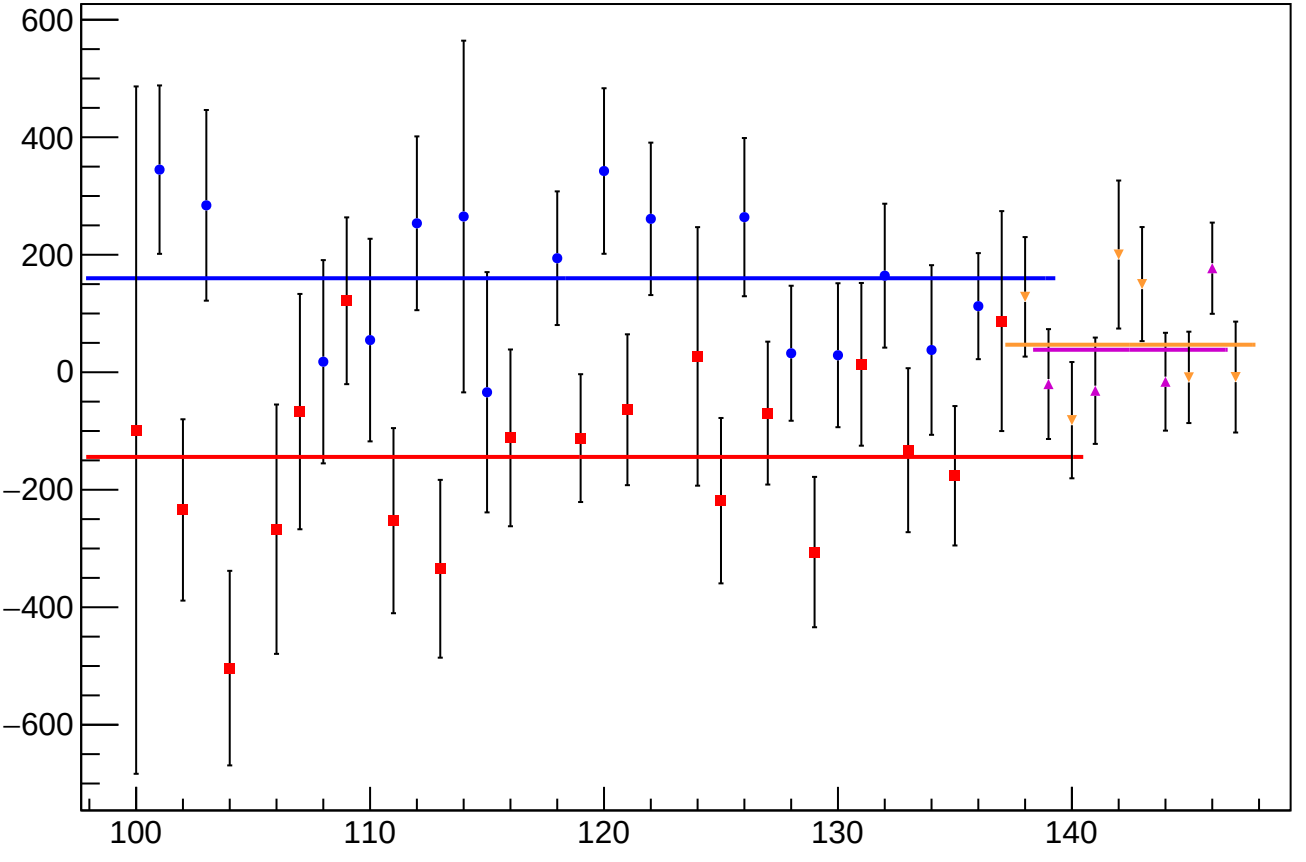
Left In: 0.000+/-0.000 χ^2/NDF:115713.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 4537223.3/21

All: 0.000+/-0.000 χ^2/NDF: 8039643.1/44

- sign 0.000+/-0.000 χ^2/NDF: 3452554.9/22

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.884+/-39.361 χ^2/NDF:5.8/5

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

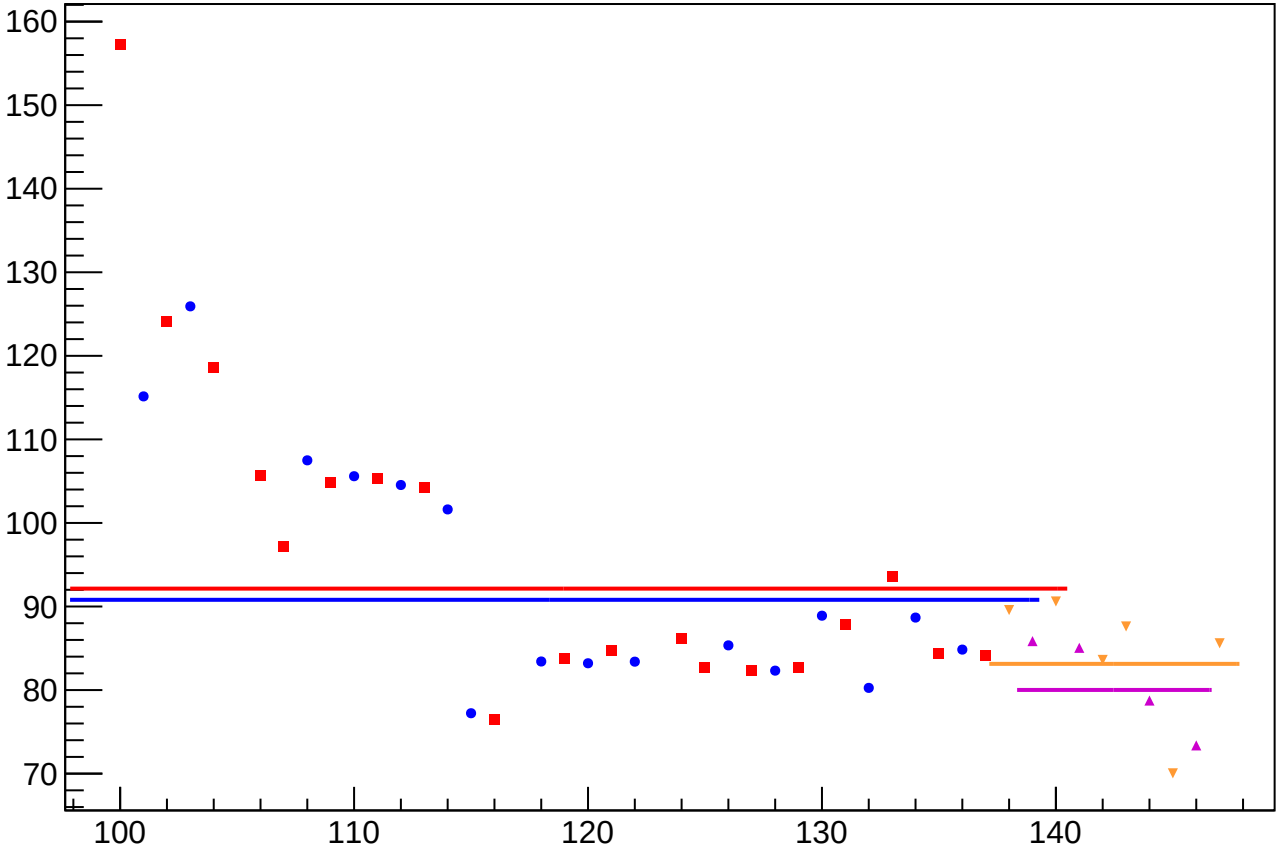
Left In: 38.276+/-42.770 χ^2/NDF:4.6/3

+ sign 111.401+/-25.803 χ^2/NDF: 21.6/21

All: 22.434+/-18.560 χ^2/NDF: 79.3/44

- sign -72.945+/-26.717 χ^2/NDF: 33.1/22

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

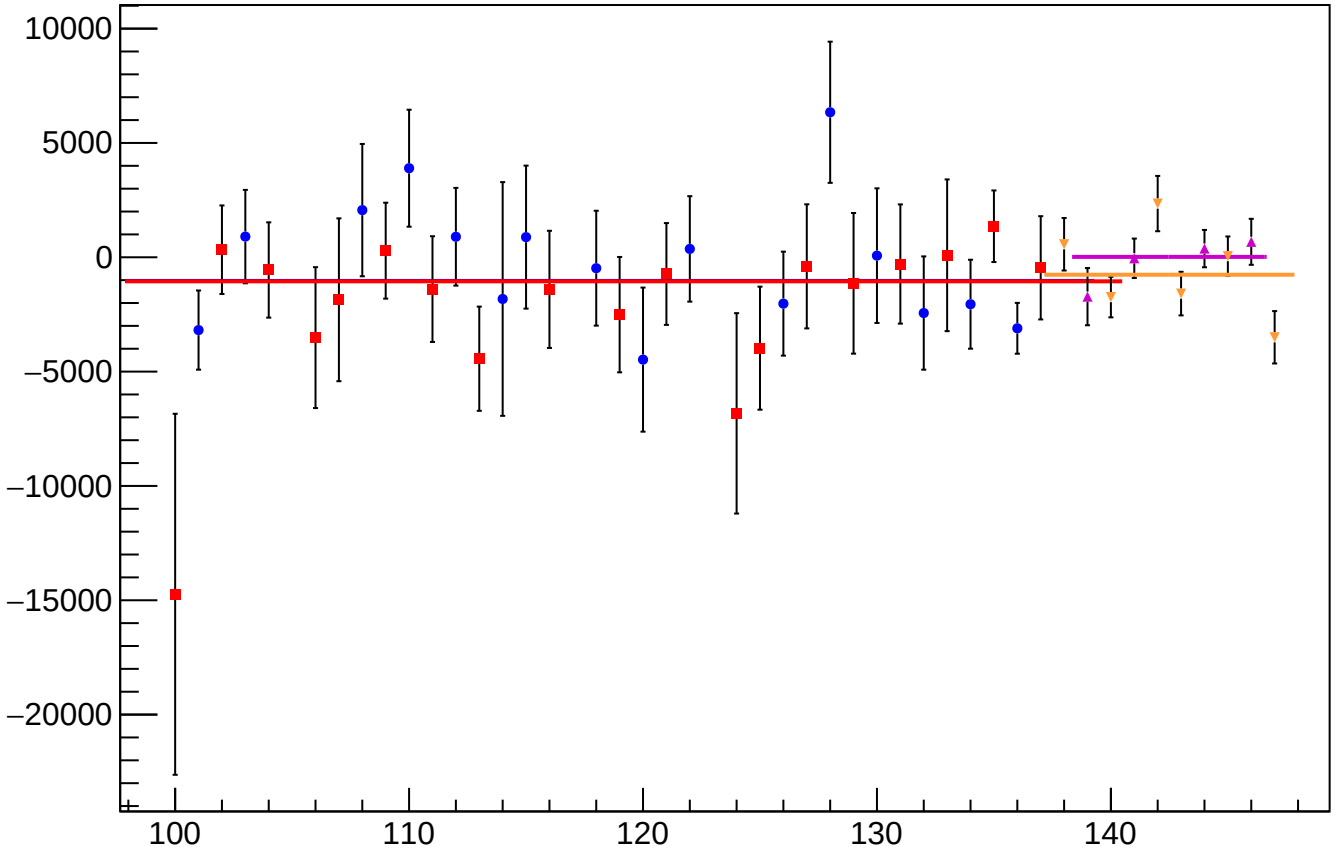
Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

\+ sign 87.507+/-0.018 χ^2/NDF: 397830.1/21

All: 87.460+/-0.013 χ^2/NDF: 827017.9/44

\- sign 87.410+/-0.019 χ^2/NDF: 429174.0/22

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -763.177+/-410.548 χ^2/NDF:16.5/5

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

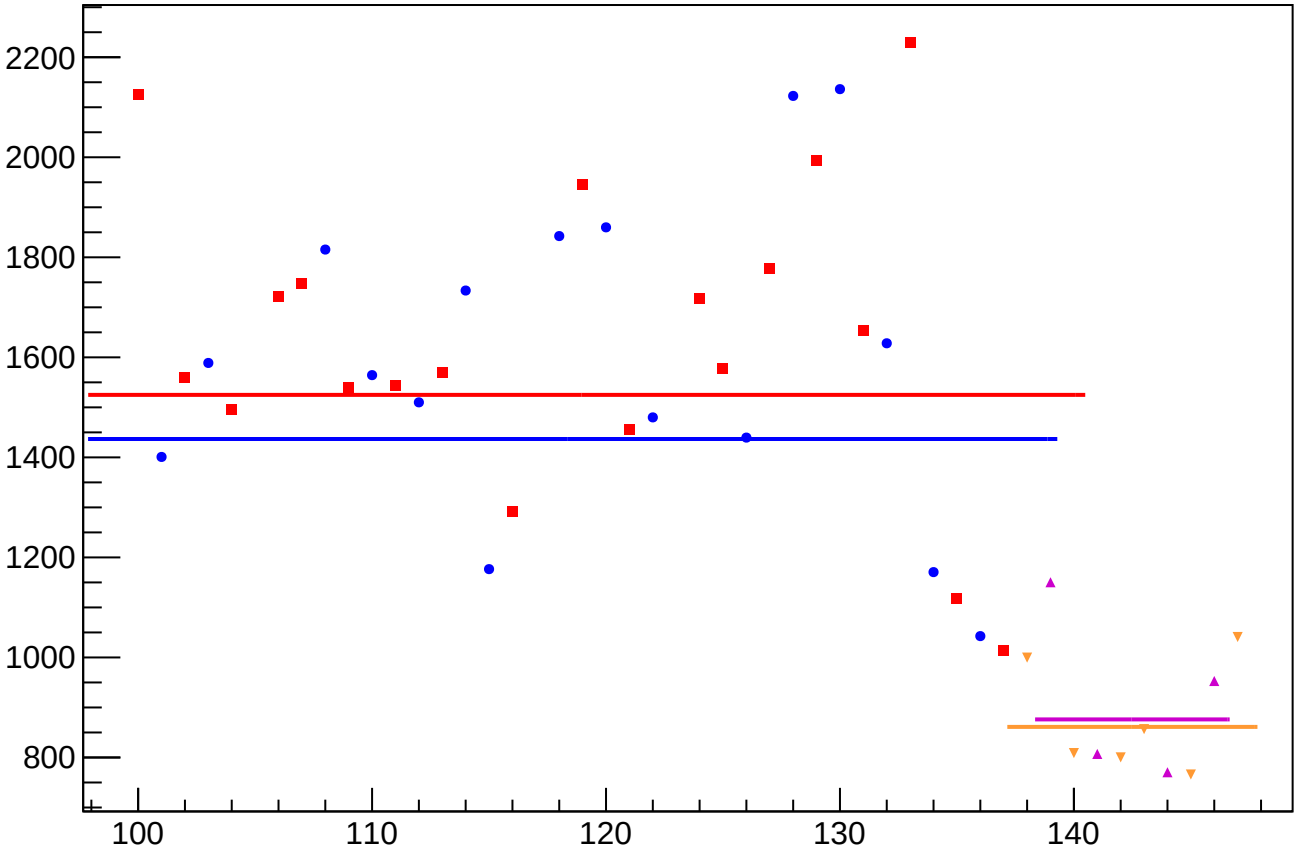
Left In: 17.307+/-472.912 χ^2/NDF:2.6/3

\+ sign -860.405+/-329.042 χ^2/NDF: 36.9/21

All: -661.909+/-243.997 χ^2/NDF: 55.3/44

\- sign -419.426+/-363.678 χ^2/NDF: 17.5/22

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 861.152+/-0.290 χ^2/NDF:114988.7/5

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

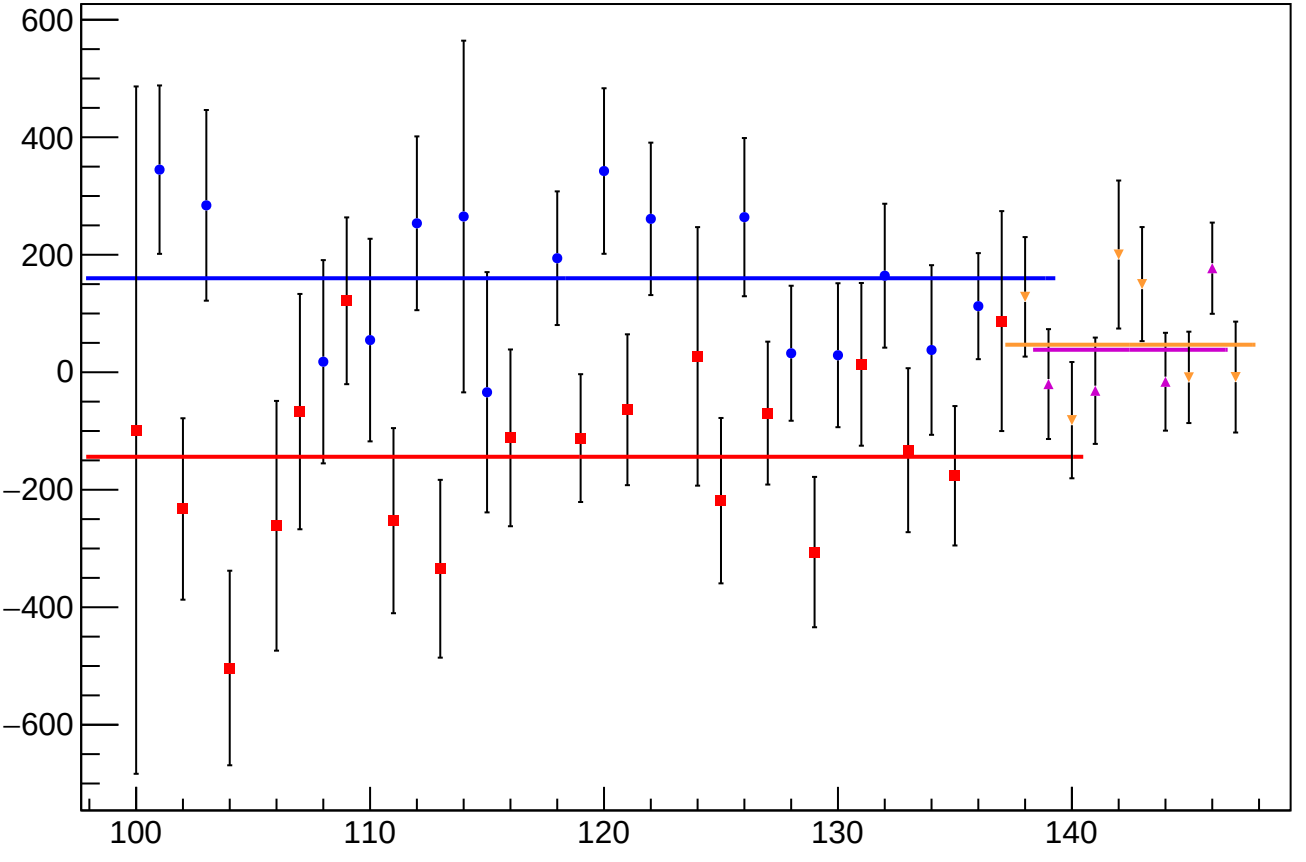
Left In: 876.129+/-0.334 χ^2/NDF:154040.6/3

+ sign 1067.006+/-0.233 χ^2/NDF: 2196605.2/21

All: 1100.423+/-0.173 χ^2/NDF: 4439321.4/44

- sign 1141.246+/-0.257 χ^2/NDF: 2196887.3/22

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.886+/-39.361 χ^2/NDF:5.8/5

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

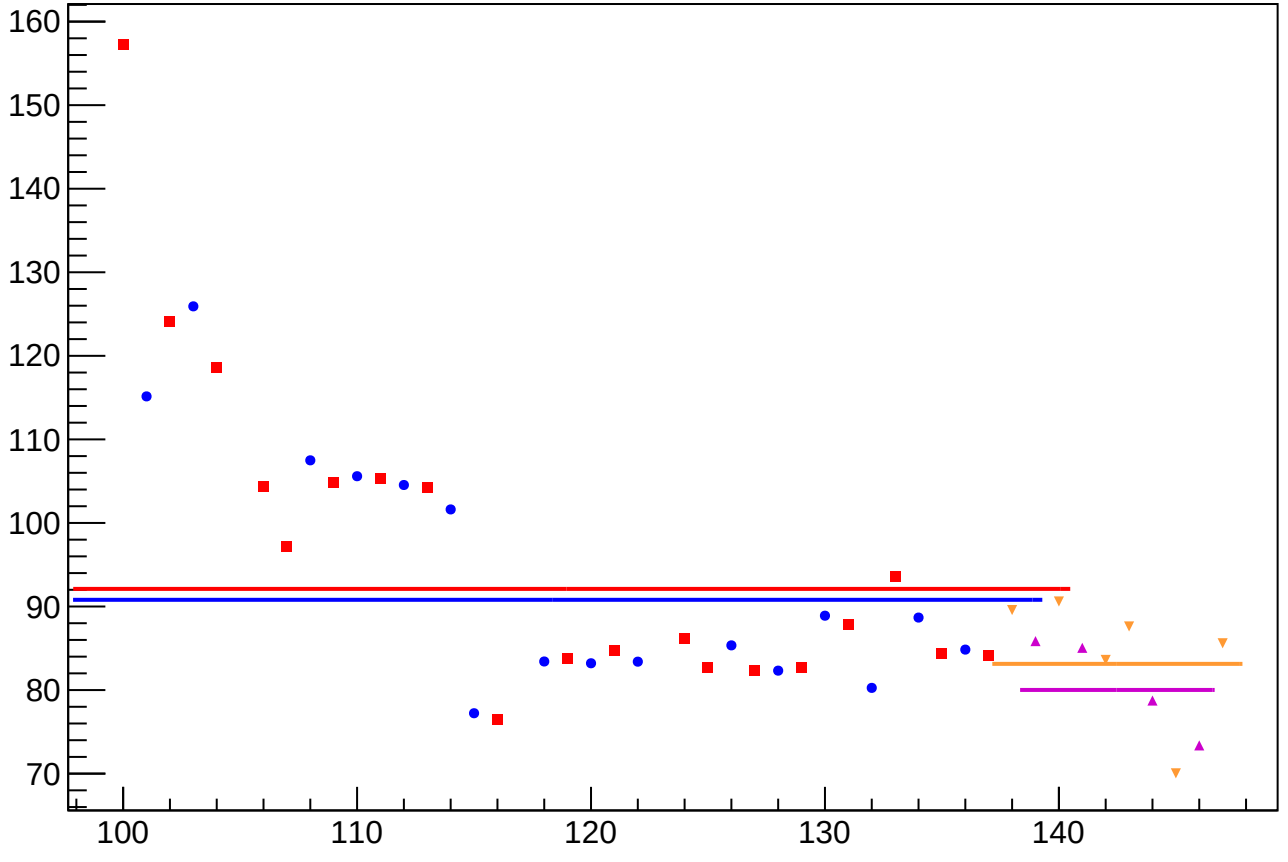
Left In: 38.270+/-42.770 χ^2/NDF:4.6/3

+ sign 111.400+/-25.803 χ^2/NDF: 21.6/21

All: 22.514+/-18.561 χ^2/NDF: 79.2/44

- sign -72.786+/-26.718 χ^2/NDF: 33.0/22

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

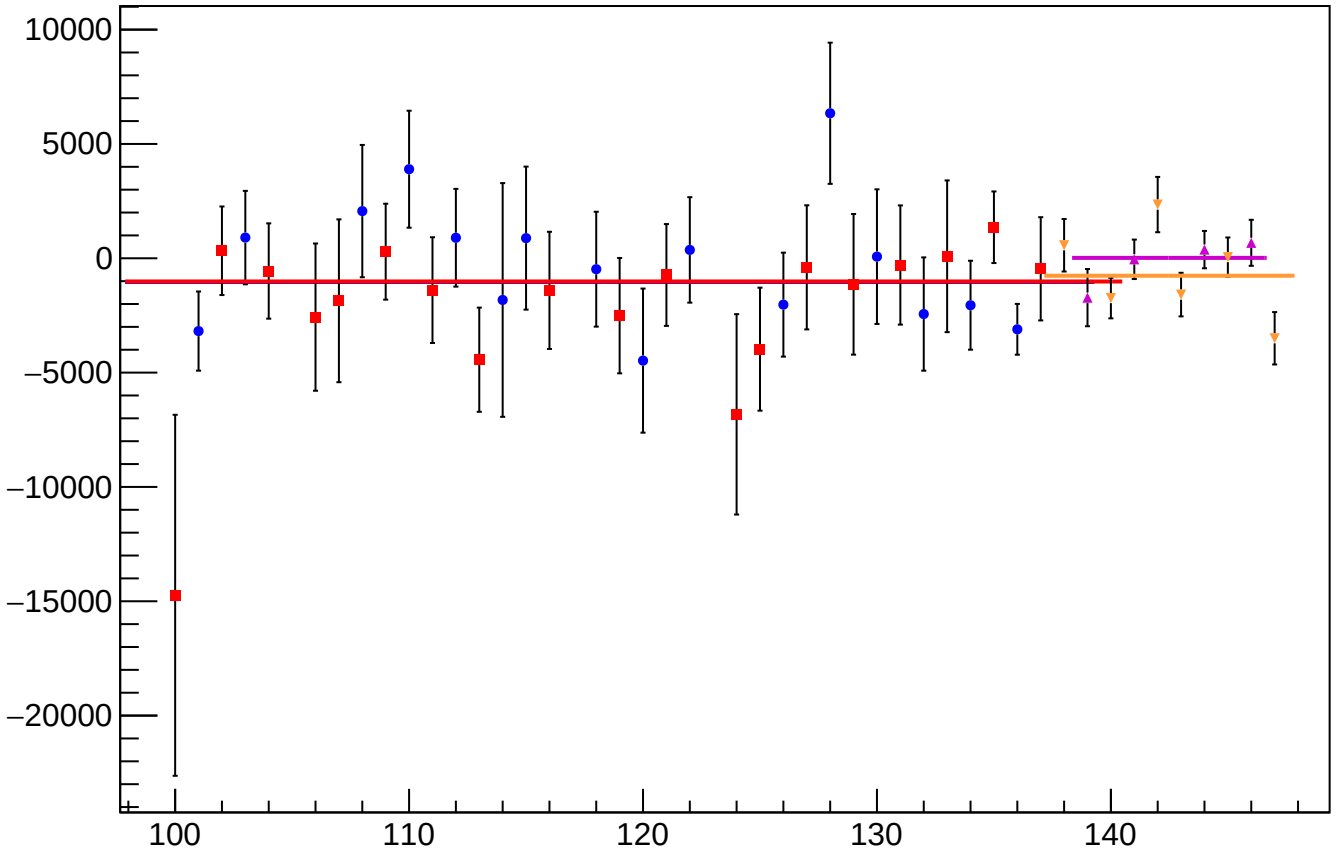
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

\+ sign 87.507+/-0.018 χ^2/NDF: 397831.9/21

All: 87.450+/-0.013 χ^2/NDF: 825222.9/44

\- sign 87.389+/-0.019 χ^2/NDF: 427370.7/22



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

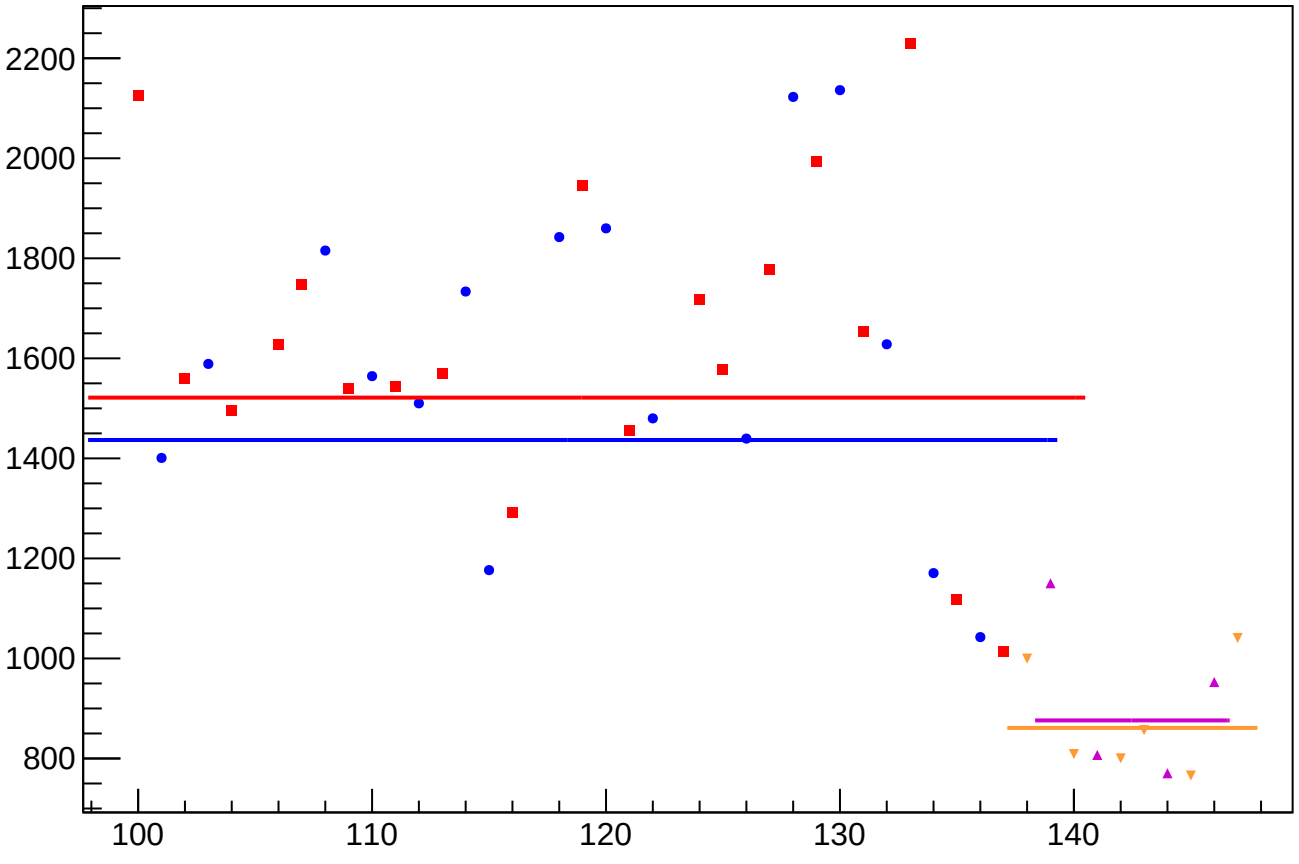
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 17.291+/-472.912 χ^2/NDF:2.6/3

+ sign -860.391+/-329.043 χ^2/NDF: 36.9/21

All: -655.066+/-244.063 χ^2/NDF: 54.8/44

- sign -403.938+/-363.897 χ^2/NDF: 17.0/22



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

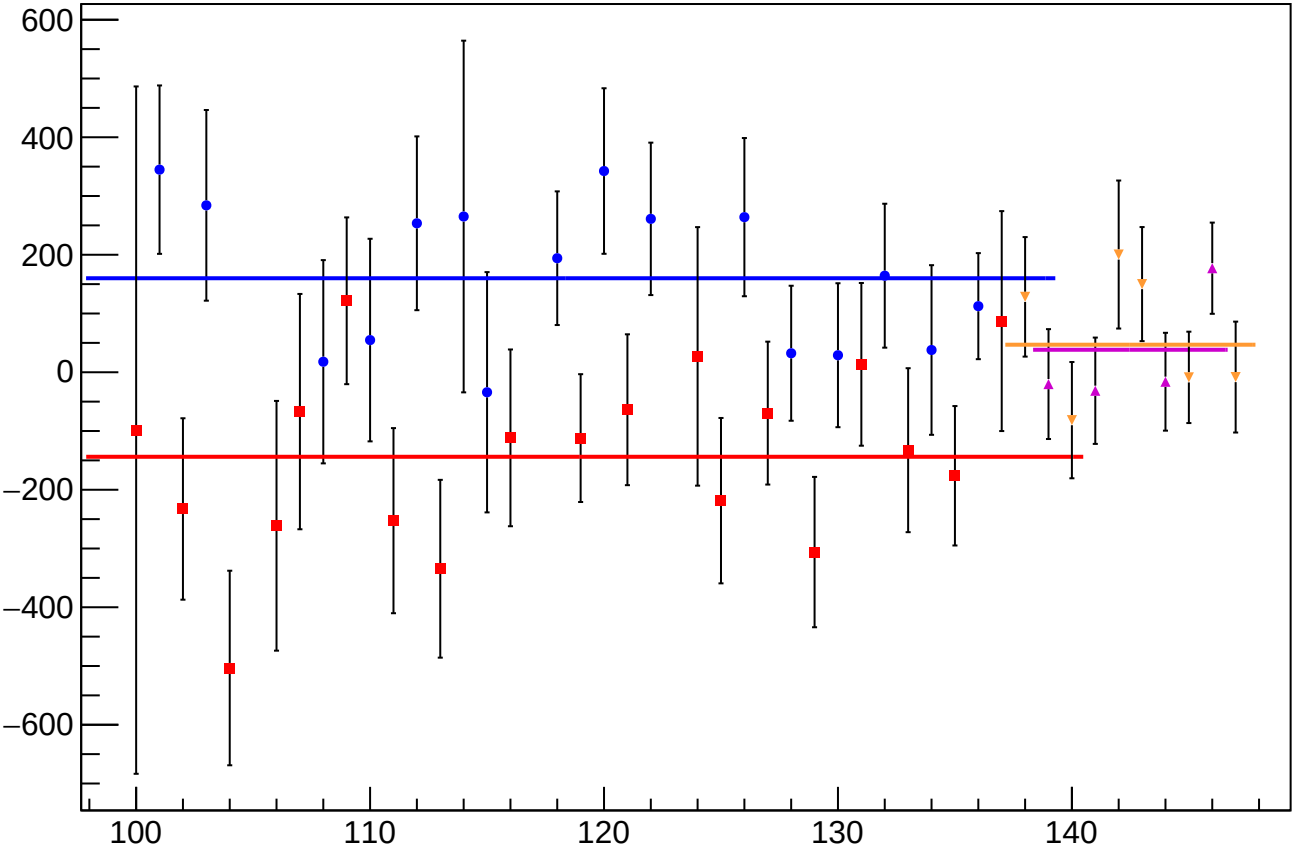
Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

+ sign 1067.006+/-0.233 χ^2/NDF: 2196628.5/21

All: 1099.559+/-0.173 χ^2/NDF: 4411825.3/44

- sign 1139.374+/-0.257 χ^2/NDF: 2171679.6/22

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.886+/-39.361 χ^2/NDF:5.8/5

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

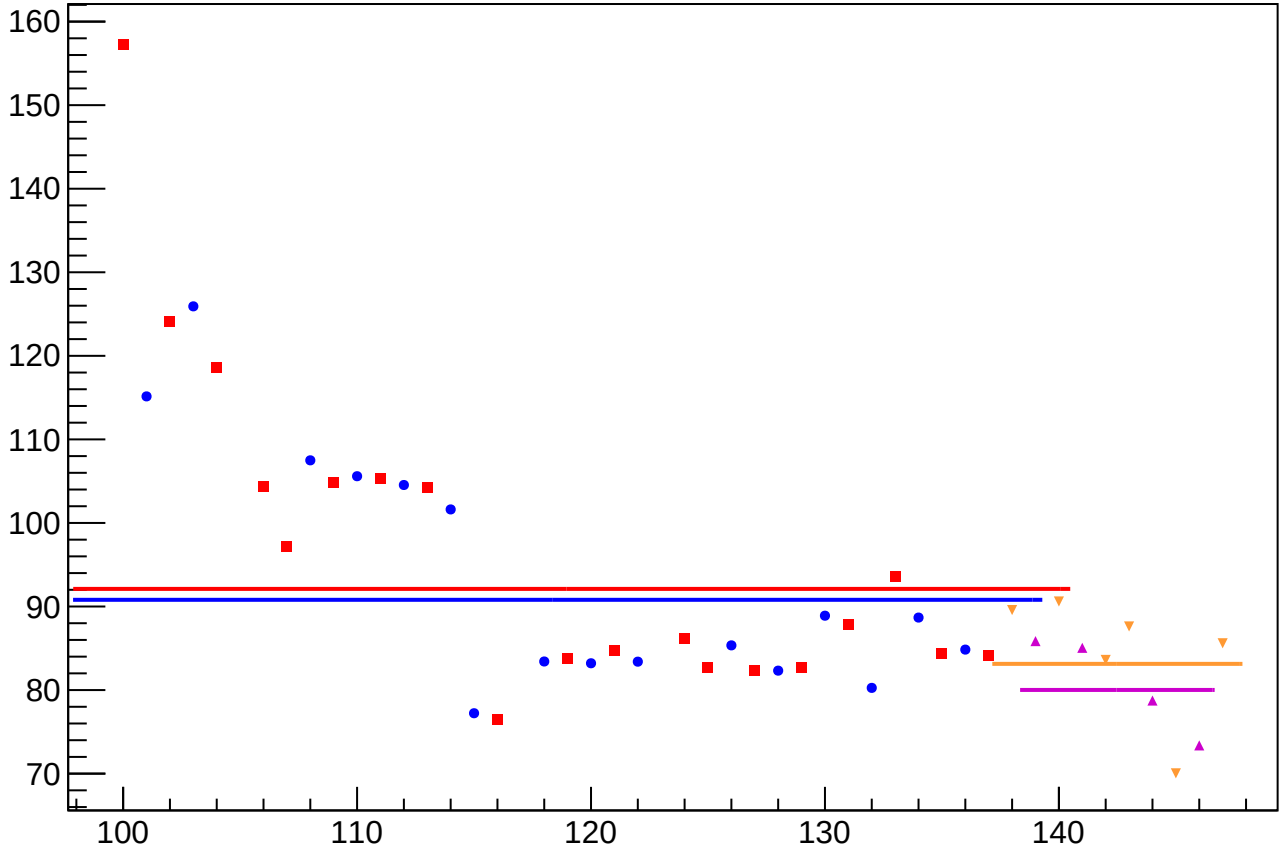
Left In: 38.270+/-42.770 χ^2/NDF:4.6/3

+ sign 111.400+/-25.803 χ^2/NDF: 21.6/21

All: 22.514+/-18.561 χ^2/NDF: 79.2/44

- sign -72.786+/-26.718 χ^2/NDF: 33.0/22

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

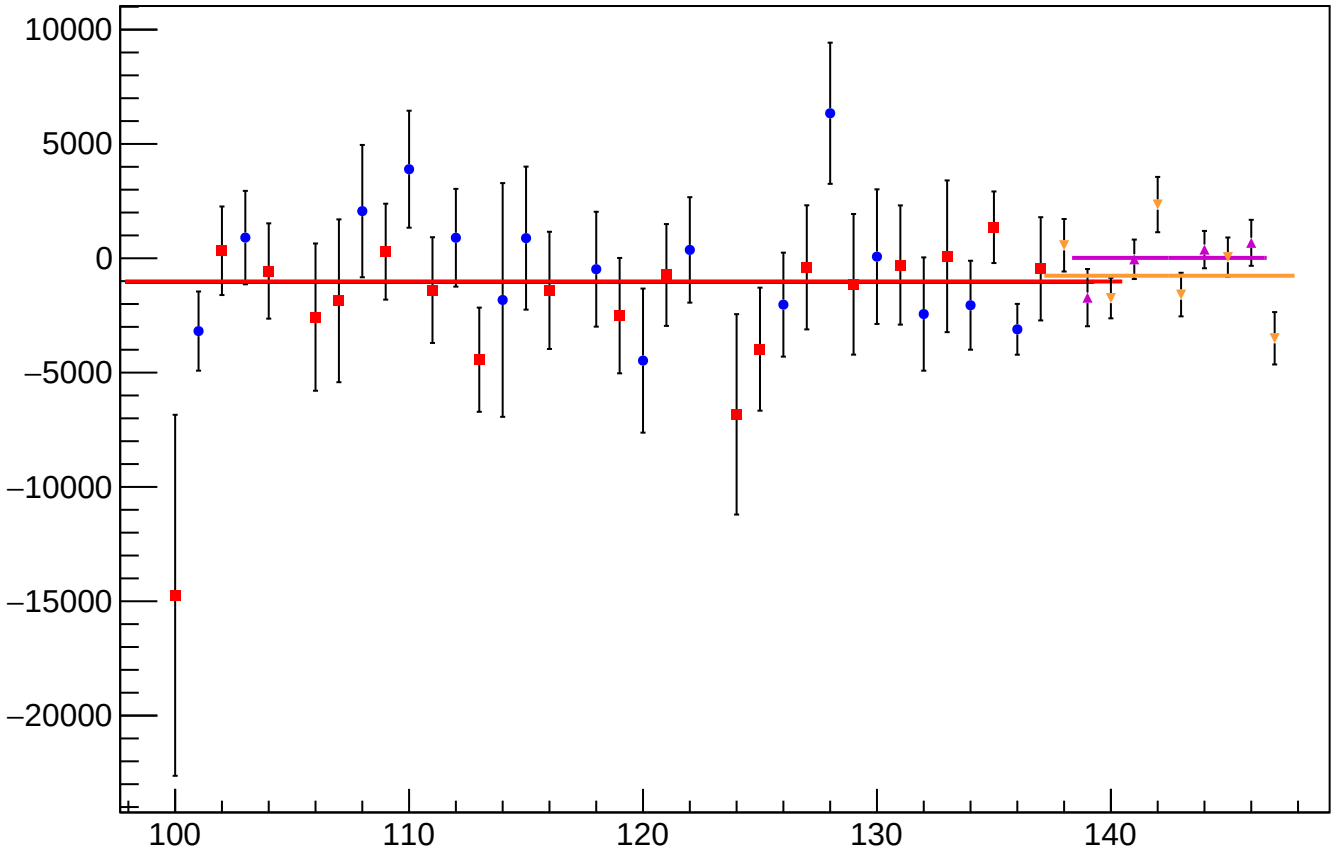
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

+ sign 87.507+/-0.018 χ^2/NDF: 397831.9/21

All: 87.450+/-0.013 χ^2/NDF: 825222.9/44

- sign 87.389+/-0.019 χ^2/NDF: 427370.7/22



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

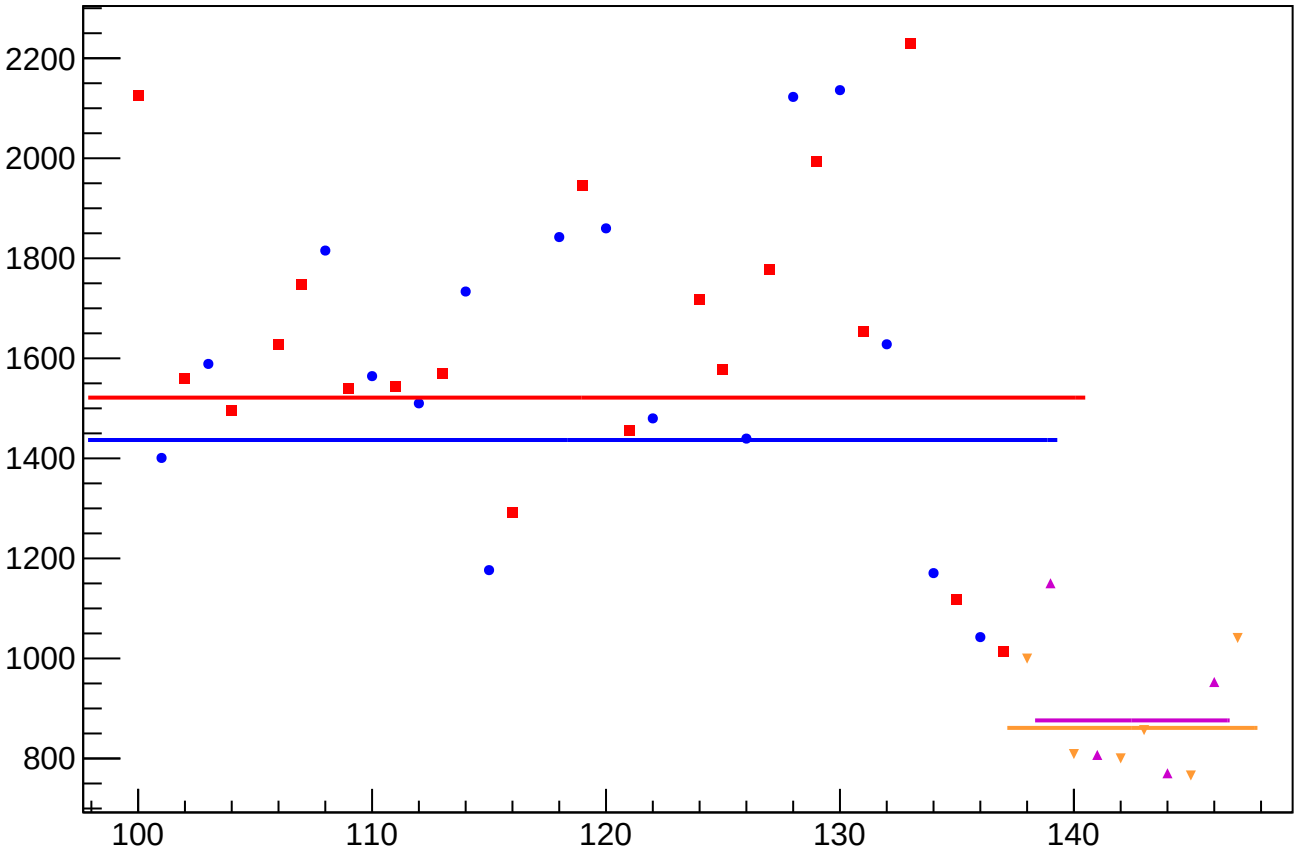
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 17.291+/-472.912 χ^2/NDF:2.6/3

\+ sign -860.391+/-329.043 χ^2/NDF: 36.9/21

All: -655.066+/-244.063 χ^2/NDF: 54.8/44

\- sign -403.938+/-363.897 χ^2/NDF: 17.0/22



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

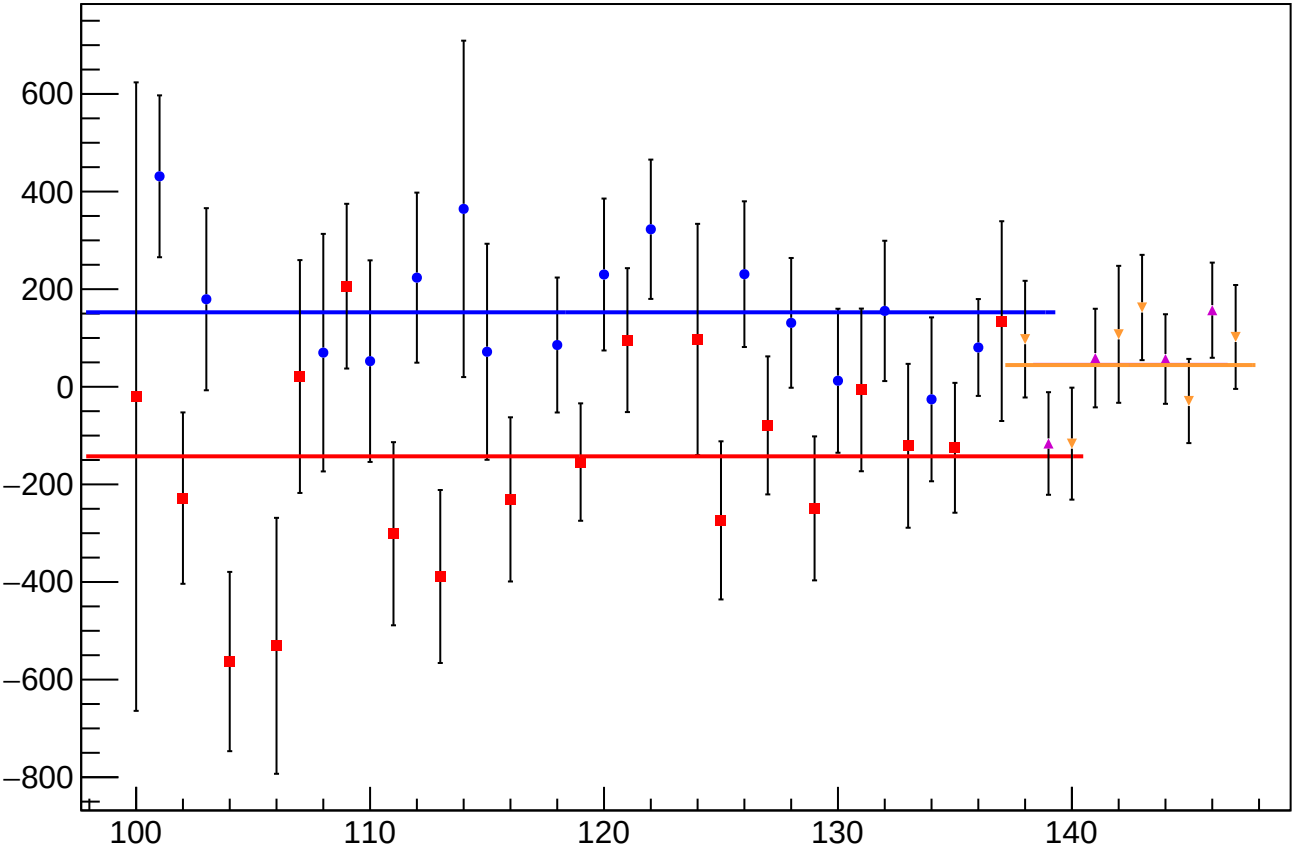
Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

+ sign 1067.006+/-0.233 χ^2/NDF: 2196628.5/21

All: 1099.559+/-0.173 χ^2/NDF: 4411825.3/44

- sign 1139.374+/-0.257 χ^2/NDF: 2171679.6/22

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.525+/-44.483 χ^2/NDF:4.6/5

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

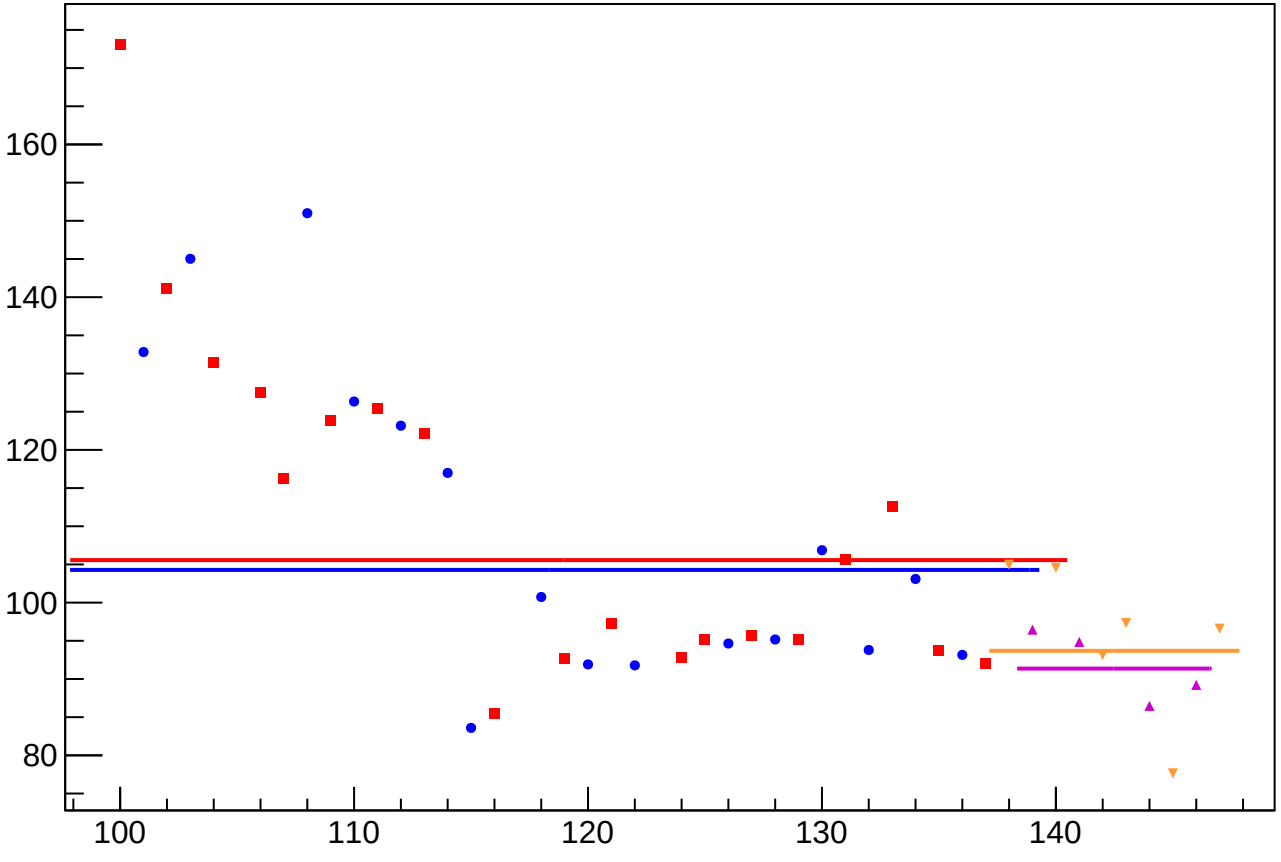
Left In: 44.883+/-49.245 χ^2/NDF:3.7/3

+ sign 105.040+/-29.514 χ^2/NDF: 16.5/21

All: 21.312+/-21.288 χ^2/NDF: 68.8/44

- sign -69.498+/-30.737 χ^2/NDF: 35.5/22

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.690+/-0.031 χ^2/NDF:108739.1/5

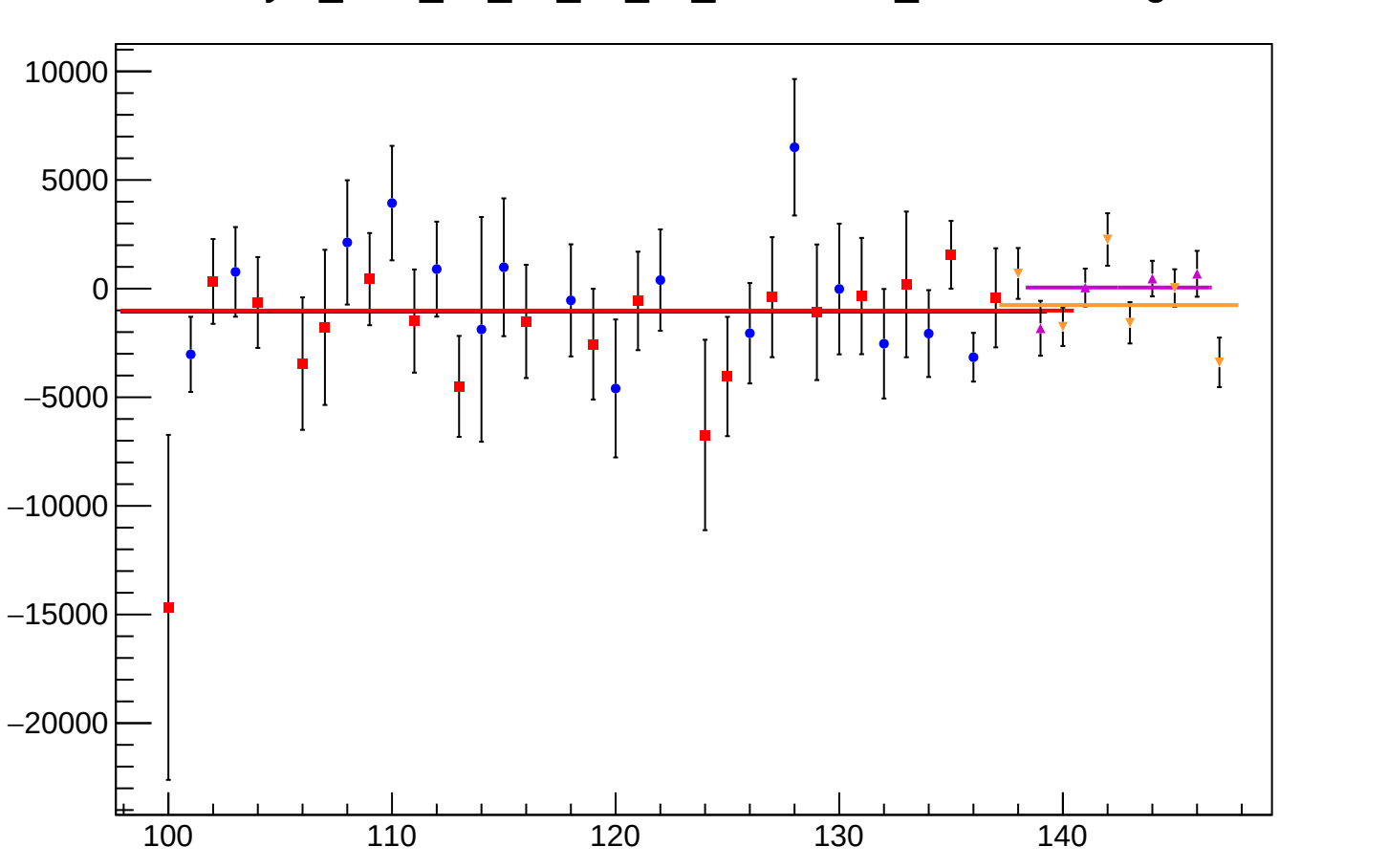
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.362+/-0.035 χ^2/NDF:13721.4/3

+ sign 99.622+/-0.021 χ^2/NDF: 550581.8/21

All: 99.819+/-0.015 χ^2/NDF: 1010691.6/44

- sign 100.034+/-0.022 χ^2/NDF: 459922.5/22



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -758.295+/-411.157 χ^2/NDF:16.0/5

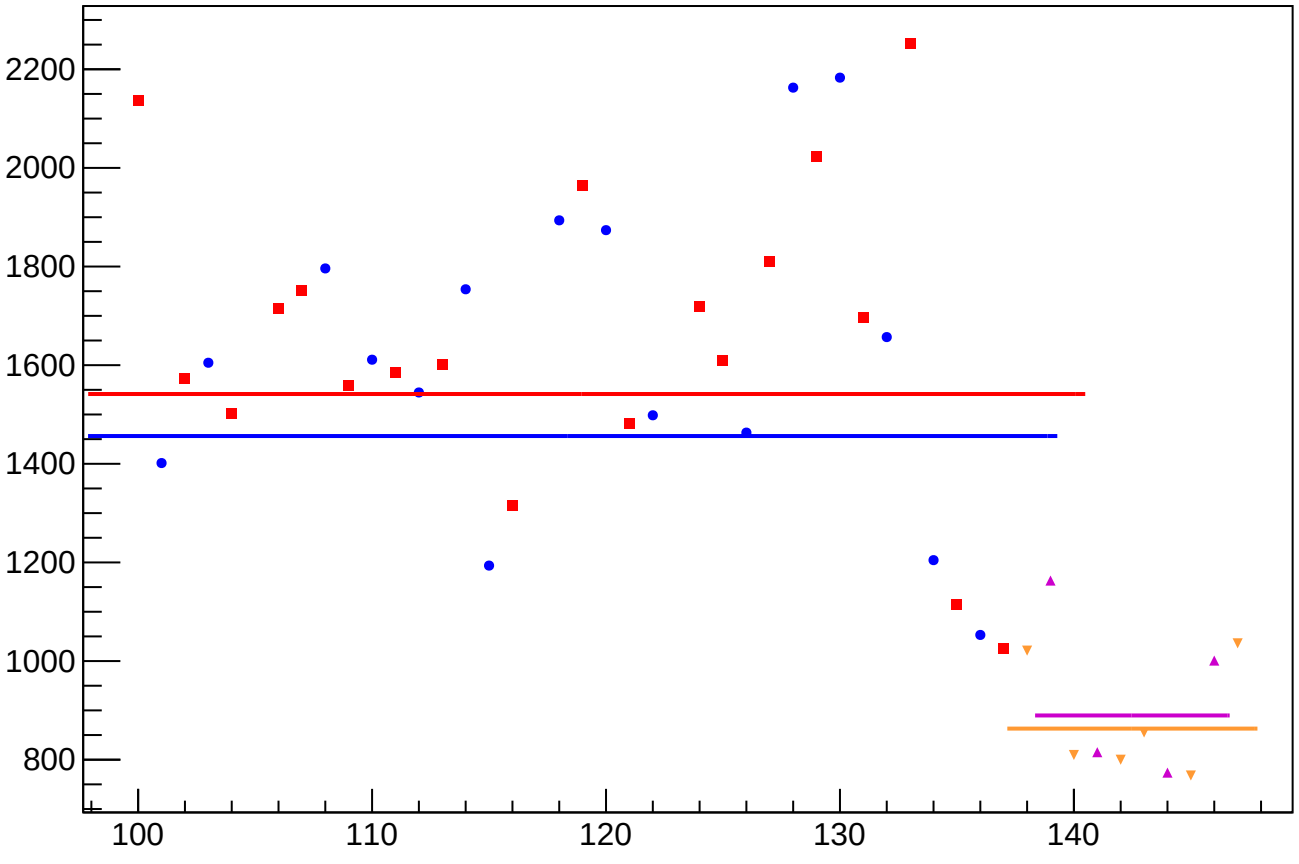
Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 51.820+/-480.606 χ^2/NDF:2.8/3

+ sign -864.322+/-330.930 χ^2/NDF: 36.2/21

All: -650.411+/-246.302 χ^2/NDF: 55.3/44

- sign -384.766+/-368.784 χ^2/NDF: 18.1/22



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 863.068+/-0.291 χ^2/NDF:119840.3/5

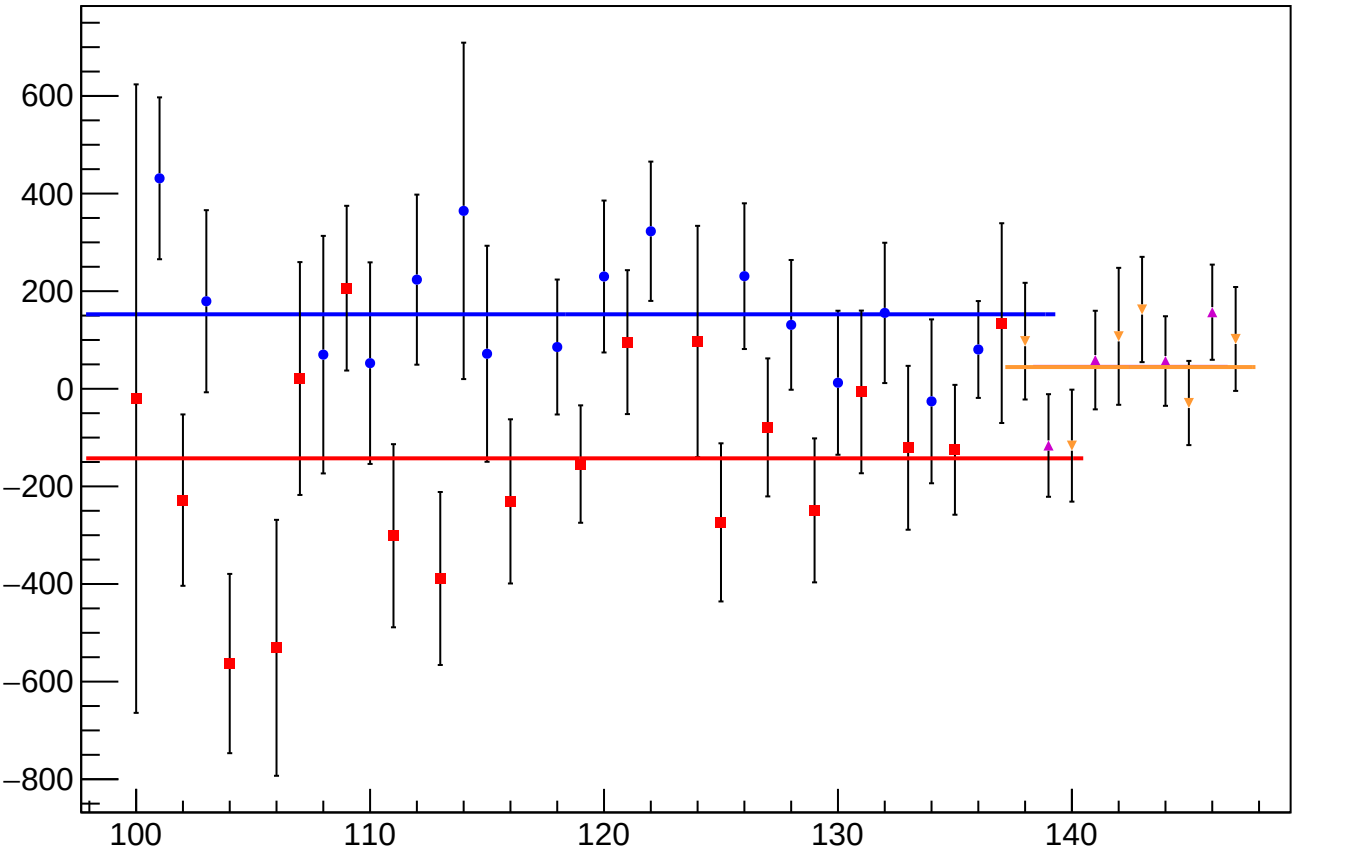
Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 889.709+/-0.340 χ^2/NDF:170371.8/3

+ sign 1071.991+/-0.234 χ^2/NDF: 2270957.0/21

All: 1110.239+/-0.174 χ^2/NDF: 4533267.1/44

- sign 1157.737+/-0.261 χ^2/NDF: 2202416.3/22



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.522+/-44.483 χ^2/NDF:4.6/5

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

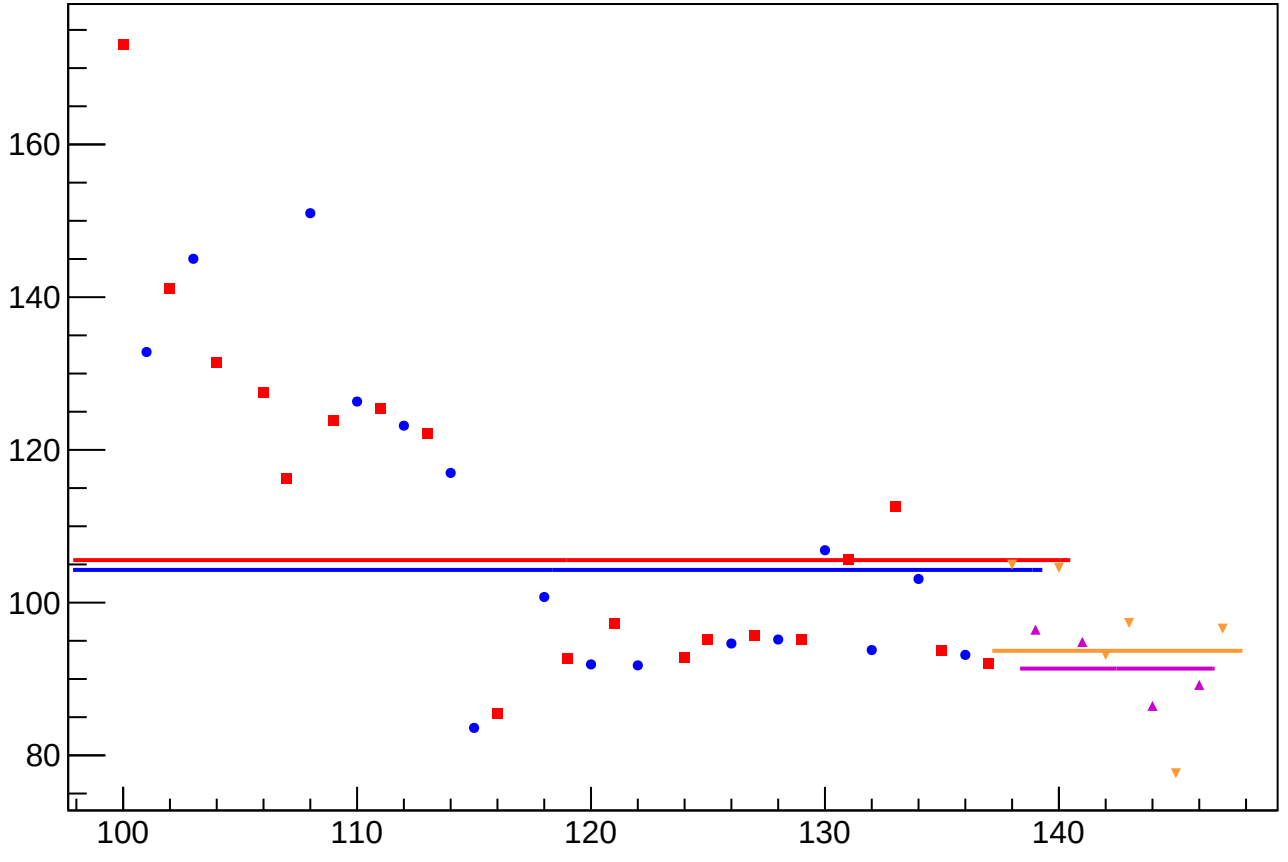
Left In: 44.883+/-49.244 χ^2/NDF:3.7/3

+ sign 105.040+/-29.513 χ^2/NDF: 16.5/21

All: 21.313+/-21.288 χ^2/NDF: 68.8/44

- sign -69.497+/-30.736 χ^2/NDF: 35.5/22

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.690+/-0.031 χ^2/NDF:108738.5/5

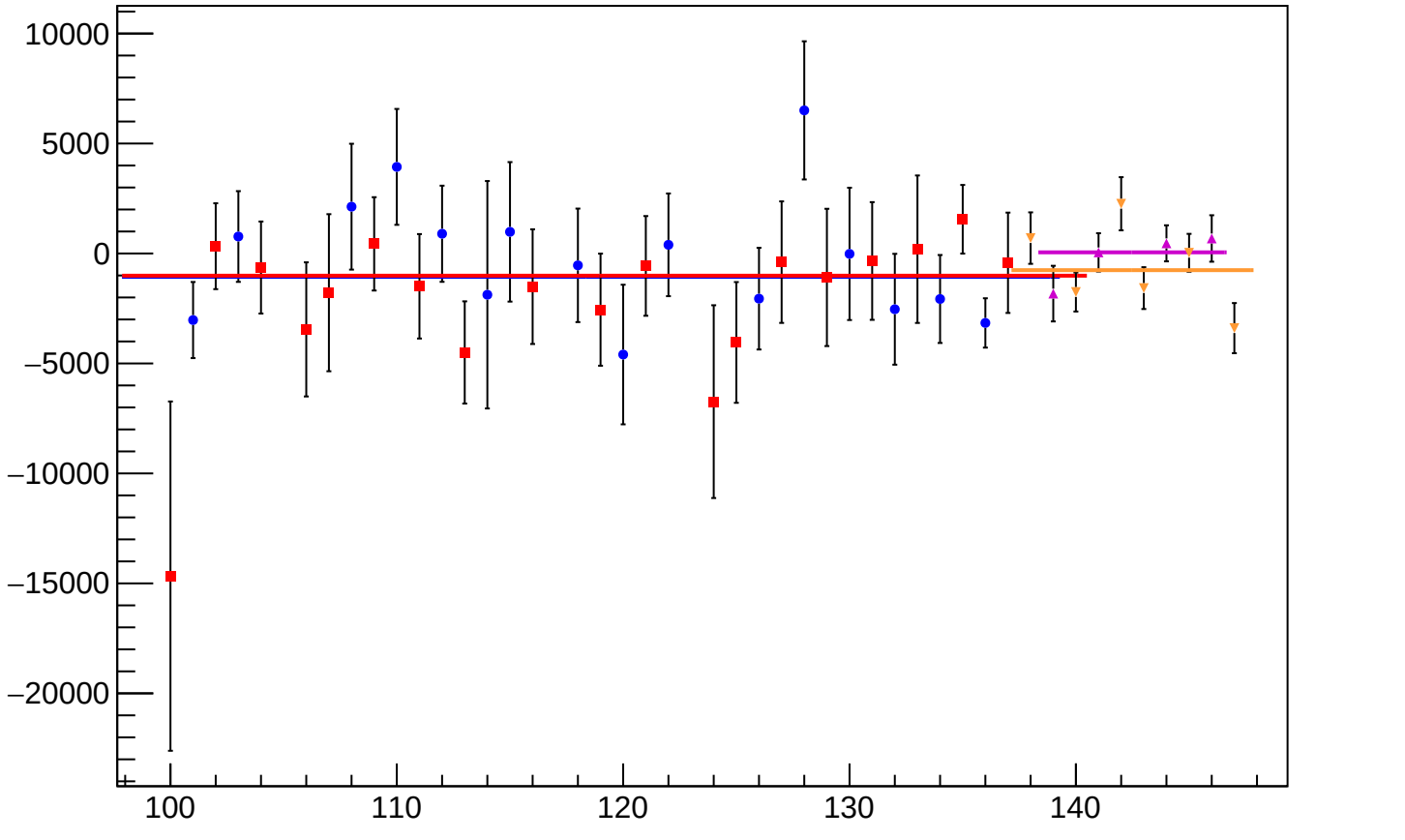
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.362+/-0.035 χ^2/NDF:13720.9/3

+ sign 99.621+/-0.021 χ^2/NDF: 550572.5/21

All: 99.819+/-0.015 χ^2/NDF: 1010673.3/44

- sign 100.033+/-0.022 χ^2/NDF: 459913.5/22



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -758.296+/-411.156 χ^2/NDF:16.0/5

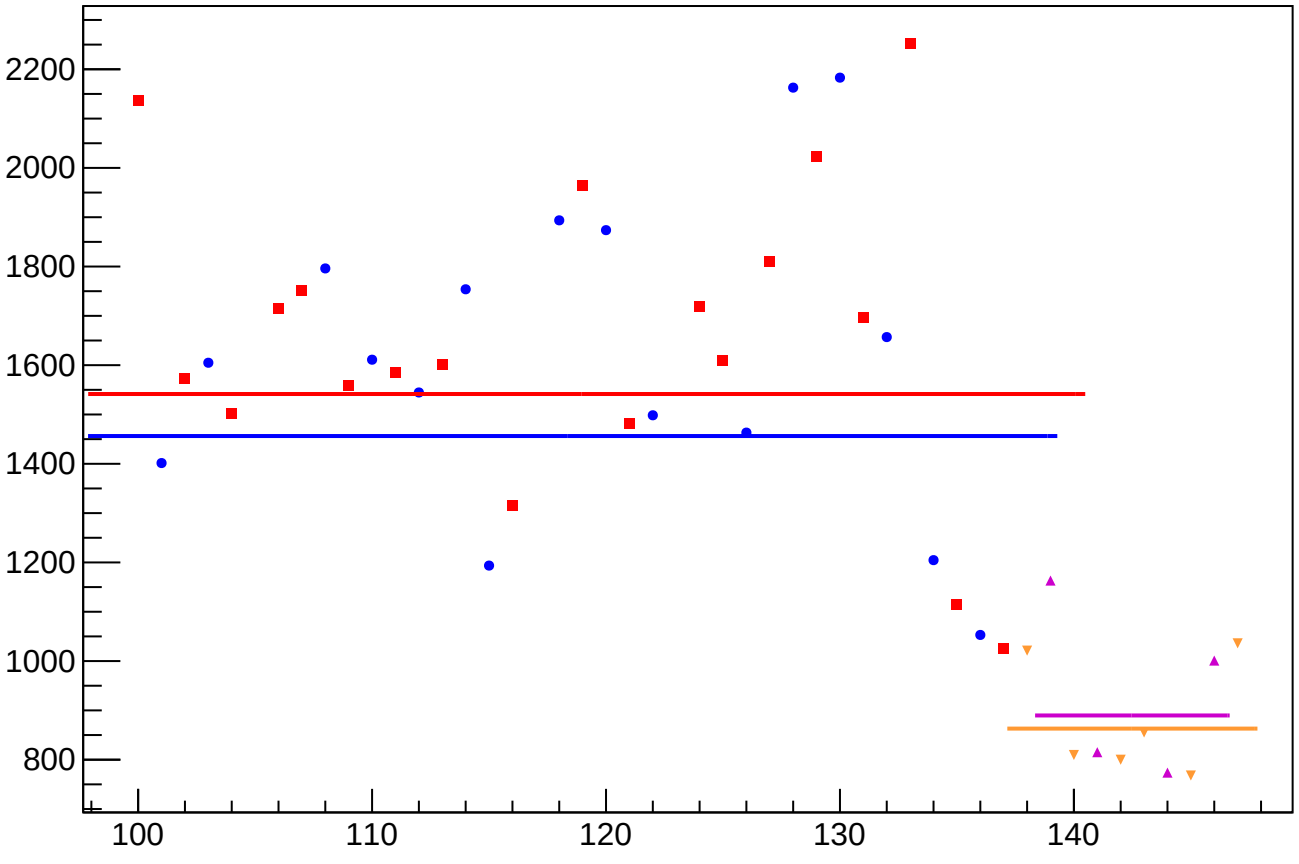
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 51.818+/-480.606 χ^2/NDF:2.8/3

+ sign -864.321+/-330.930 χ^2/NDF: 36.2/21

All: -650.412+/-246.302 χ^2/NDF: 55.3/44

- sign -384.767+/-368.783 χ^2/NDF: 18.1/22



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 863.067+/-0.291 χ^2/NDF:119840.6/5

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

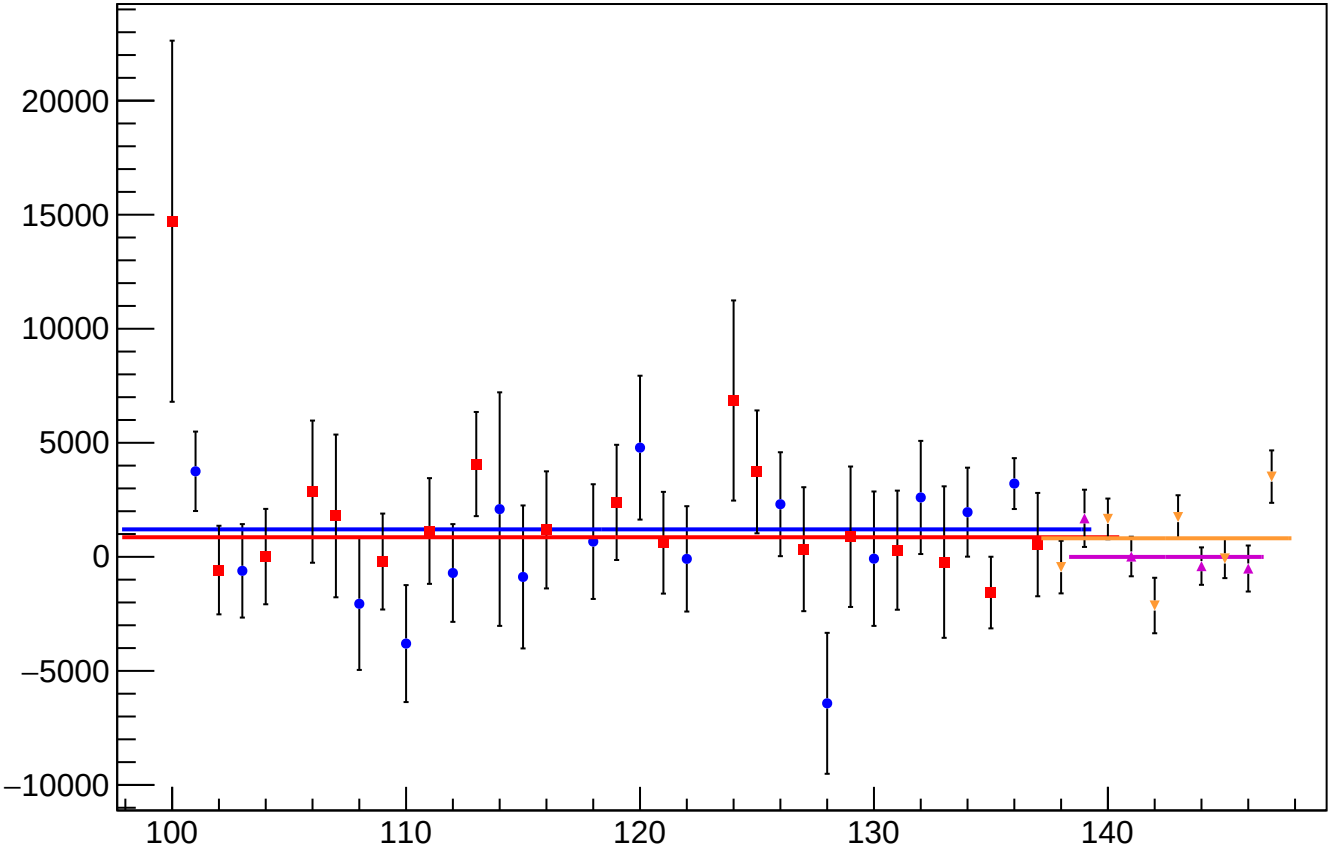
Left In: 889.708+/-0.340 χ^2/NDF:170371.1/3

+ sign 1071.989+/-0.234 χ^2/NDF: 2270952.7/21

All: 1110.237+/-0.174 χ^2/NDF: 4533258.0/44

- sign 1157.736+/-0.261 χ^2/NDF: 2202411.2/22

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 813.702+/-412.606 χ^2/NDF:15.5/5

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

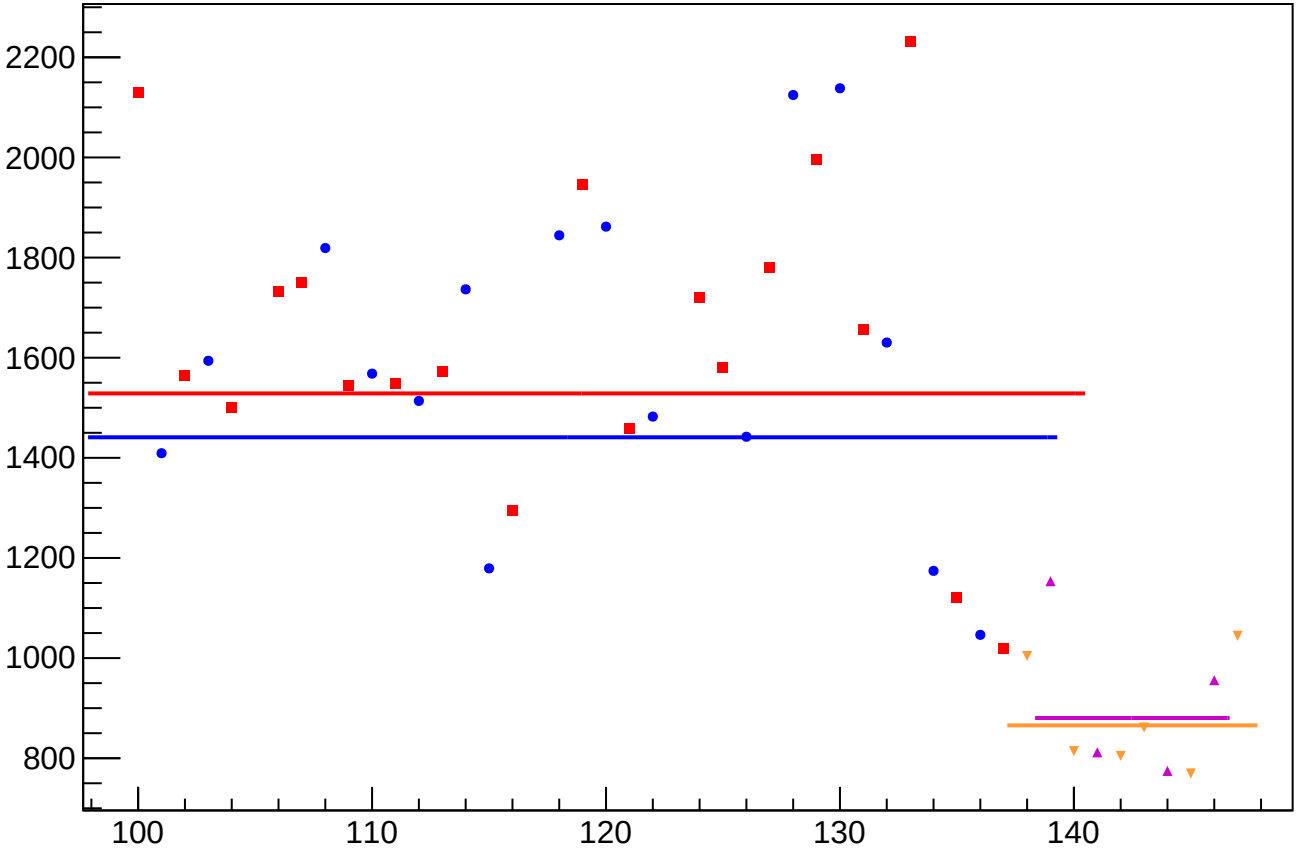
Left In: -2.957+/-475.092 χ^2/NDF:2.3/3

\+ sign 953.940+/-330.427 χ^2/NDF: 37.0/21

All: 682.059+/-244.975 χ^2/NDF: 54.6/44

\- sign 350.217+/-365.049 χ^2/NDF: 16.2/22

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 865.612+/-0.292 χ^2/NDF:113823.3/5

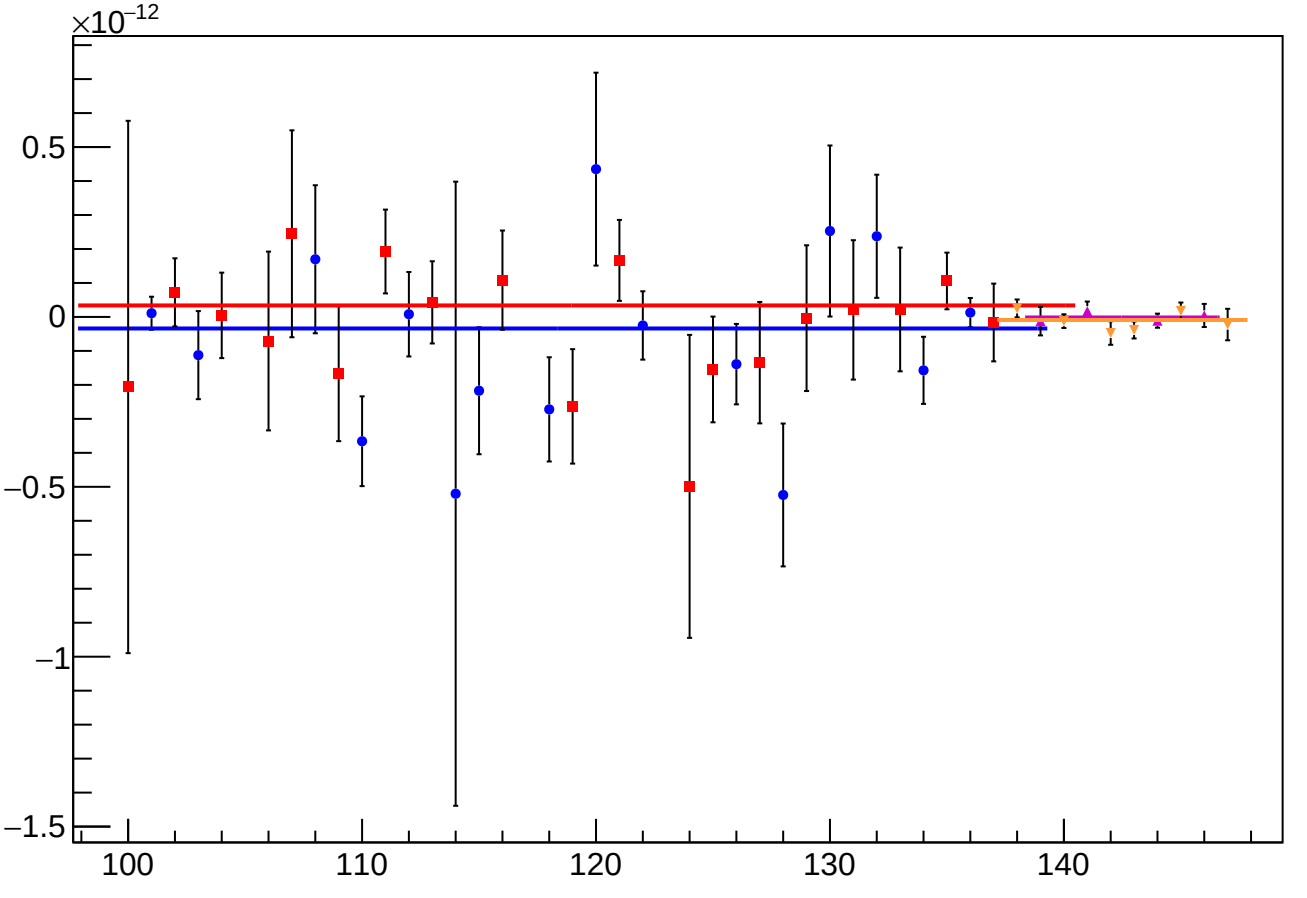
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 880.357+/-0.336 χ^2/NDF:151750.8/3

+ sign 1071.997+/-0.234 χ^2/NDF: 2179634.9/21

All: 1105.277+/-0.173 χ^2/NDF: 4403530.5/44

- sign 1145.897+/-0.258 χ^2/NDF: 2178844.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/5

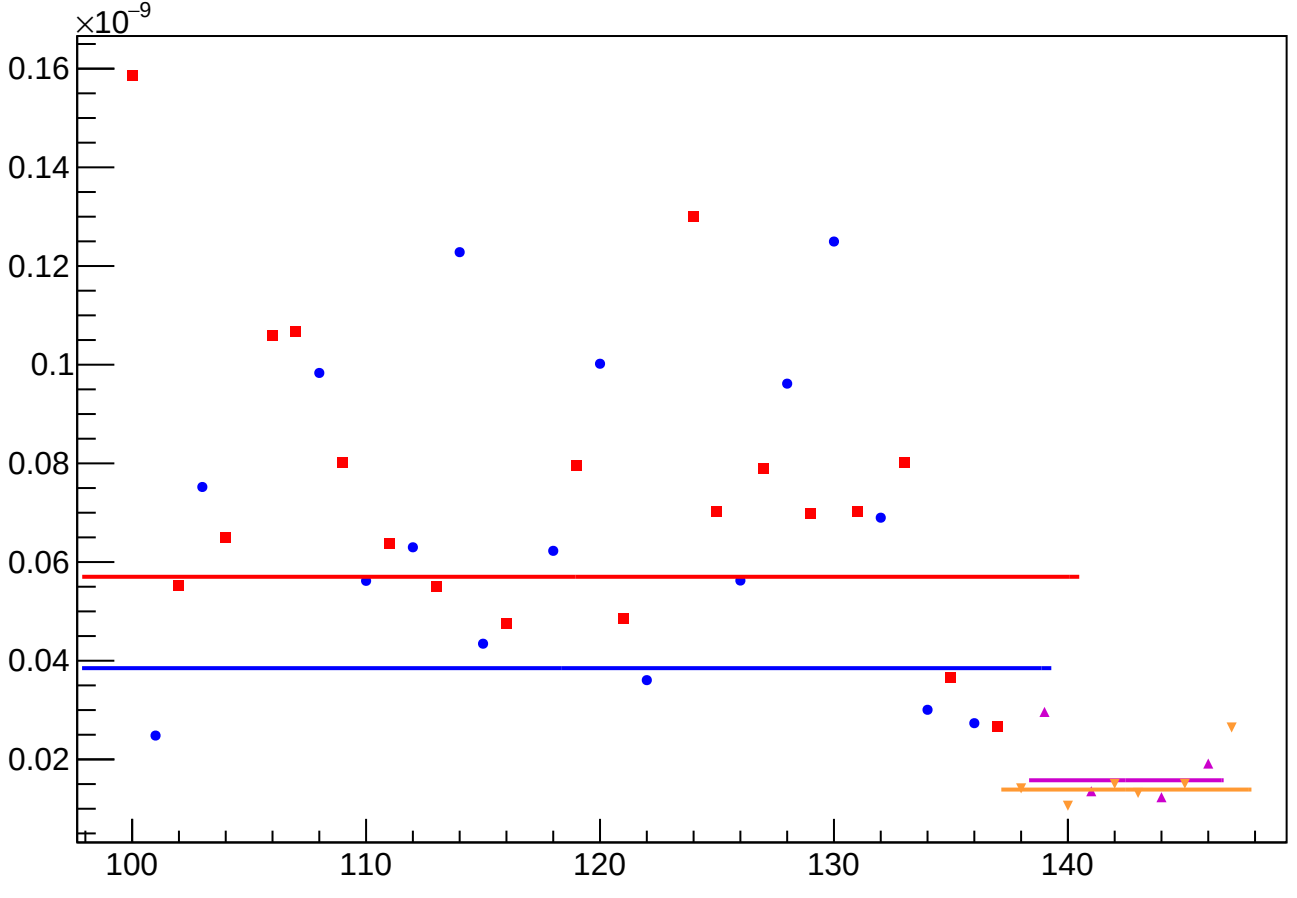
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/21

All: -0.000+/-0.000 χ^2/NDF: 49.5/44

- sign 0.000+/-0.000 χ^2/NDF: 14.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:208974.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

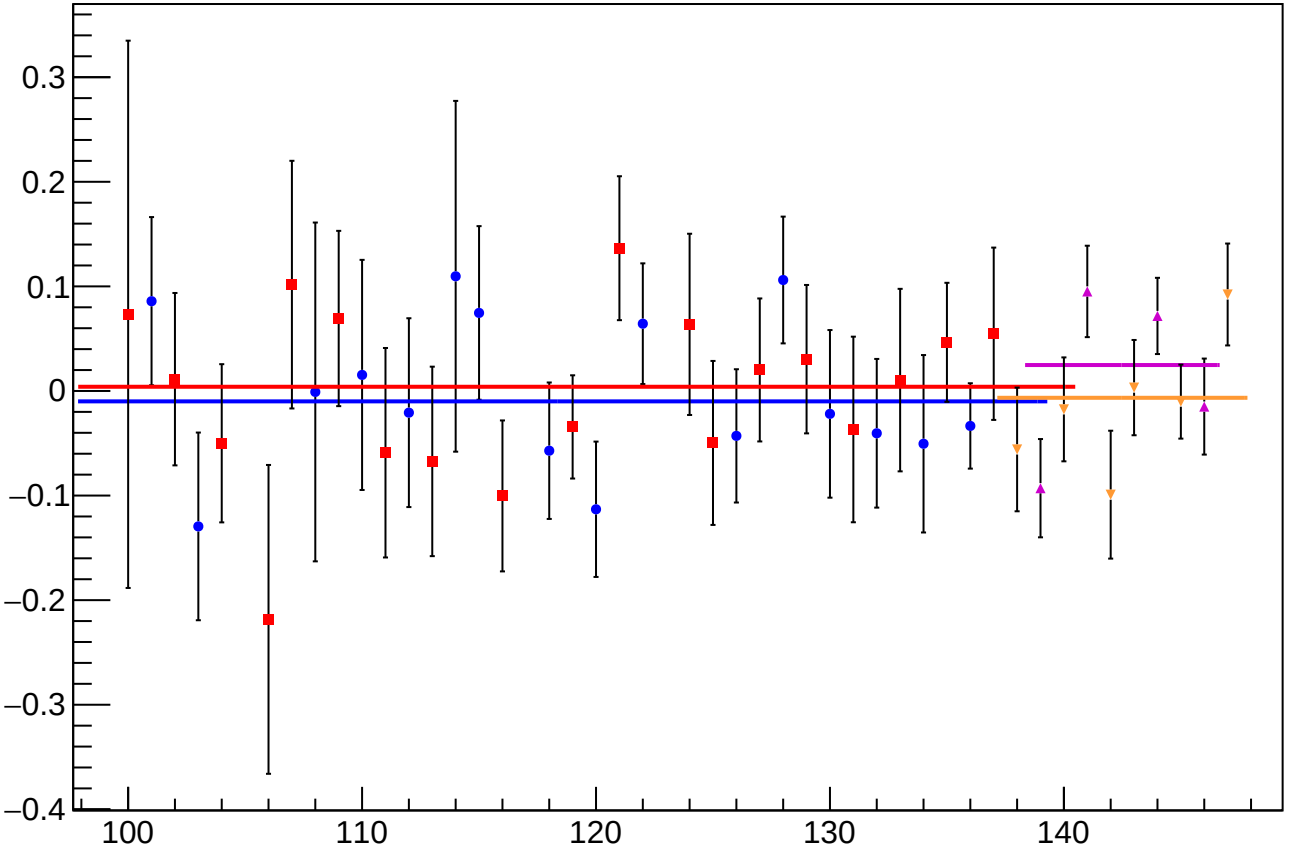
Left In: 0.000+/-0.000 χ^2/NDF:304455.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3215189.0/21

All: 0.000+/-0.000 χ^2/NDF: 6841652.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3500427.4/22

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

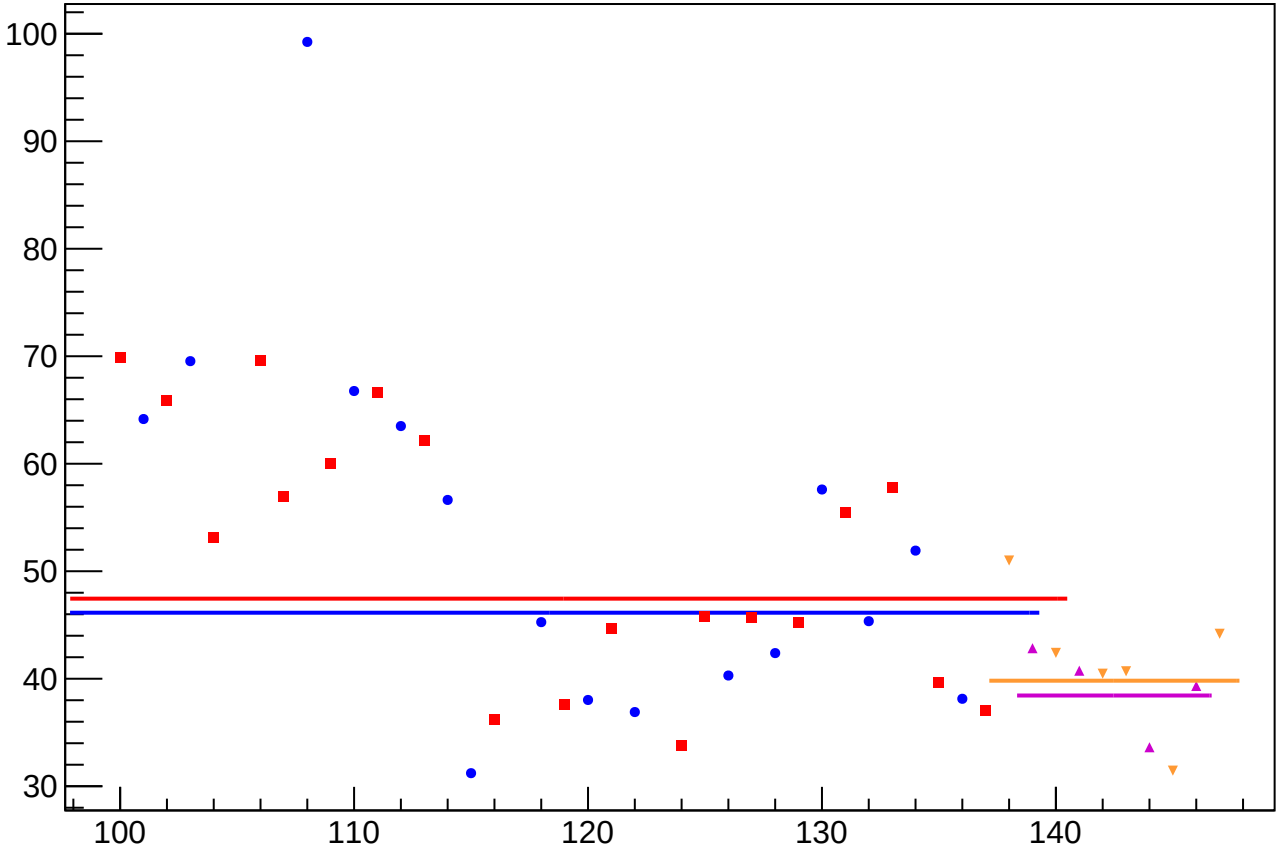
Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: 0.002+/-0.010 χ^2/NDF: 48.4/44

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22

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: 39.817+/-0.014 χ^2/NDF:205837.9/5

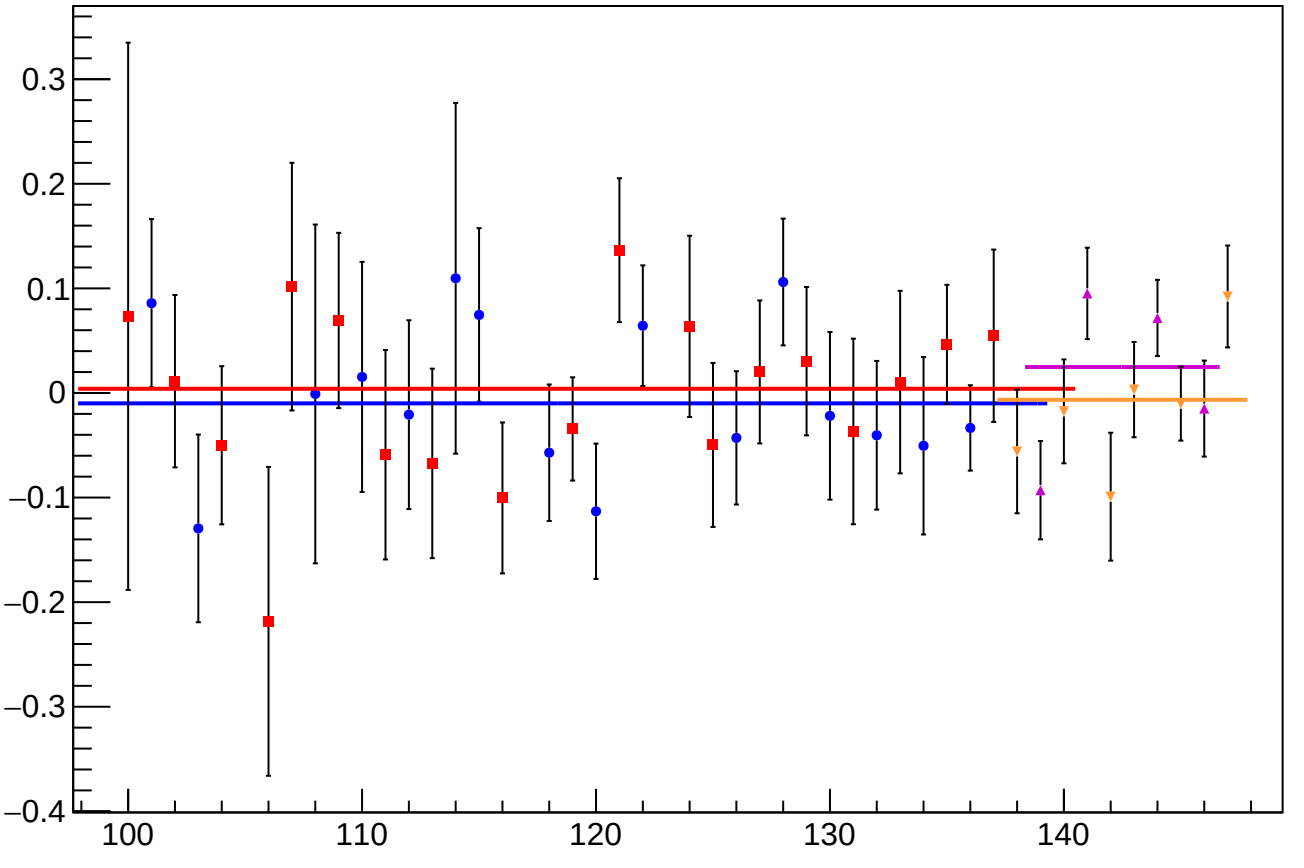
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

+ sign 43.214+/-0.009 χ^2/NDF: 1223485.5/21

All: 43.434+/-0.007 χ^2/NDF: 2145978.2/44

- sign 43.673+/-0.010 χ^2/NDF: 921334.7/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

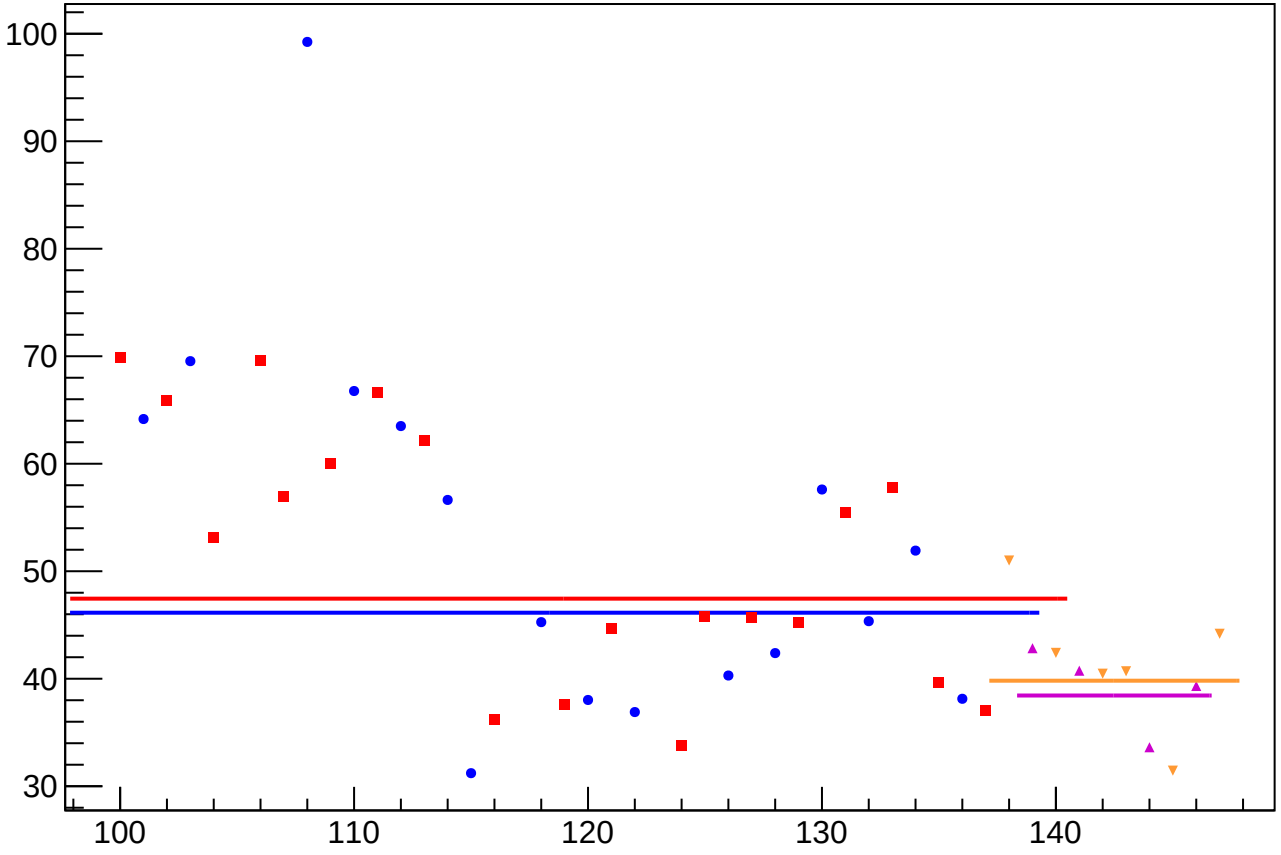
Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: 0.002+/-0.010 χ^2/NDF: 48.4/44

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

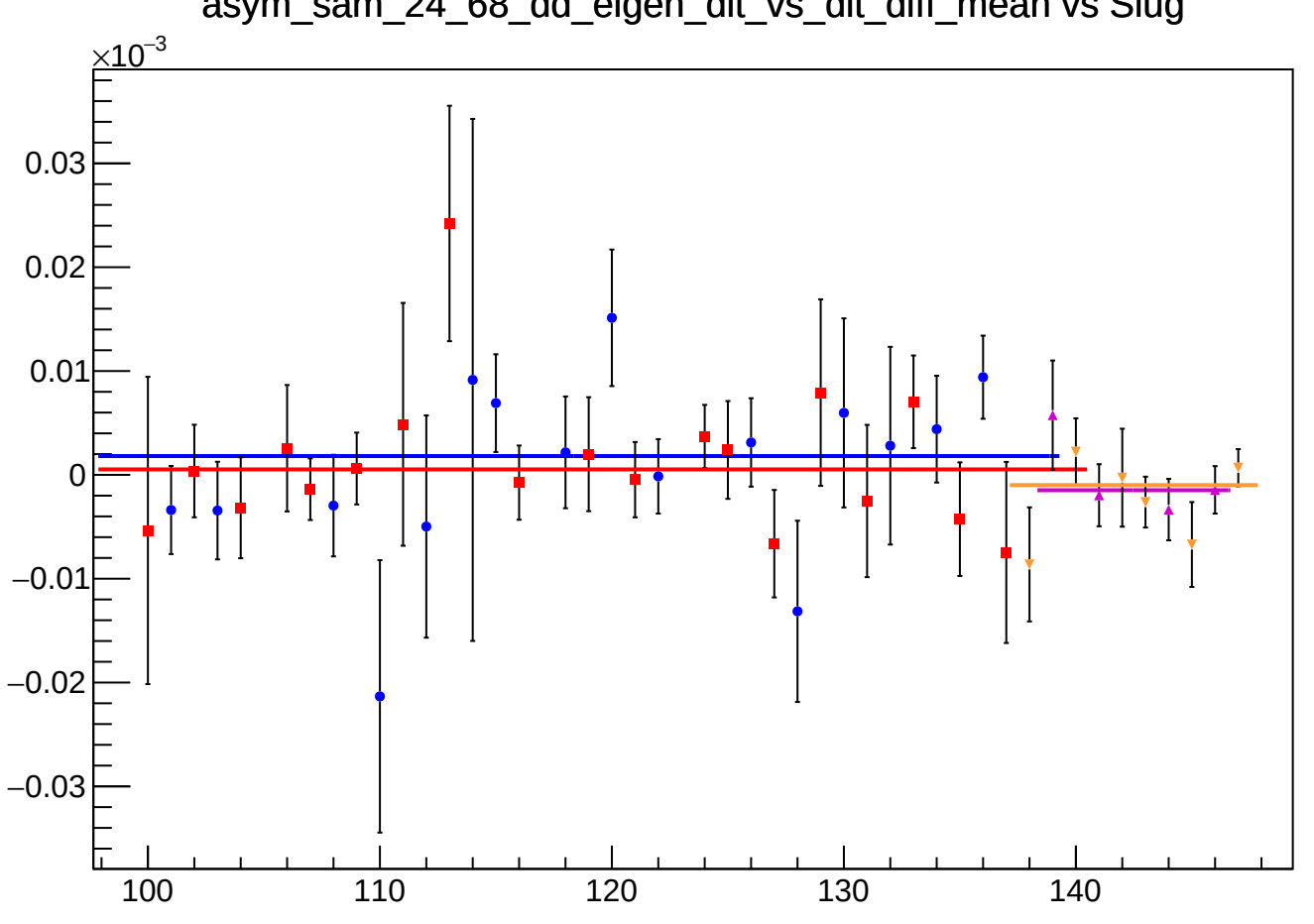
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

+ sign 43.214+/-0.009 χ^2/NDF: 1223485.5/21

All: 43.434+/-0.007 χ^2/NDF: 2145978.2/44

- sign 43.673+/-0.010 χ^2/NDF: 921334.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/5

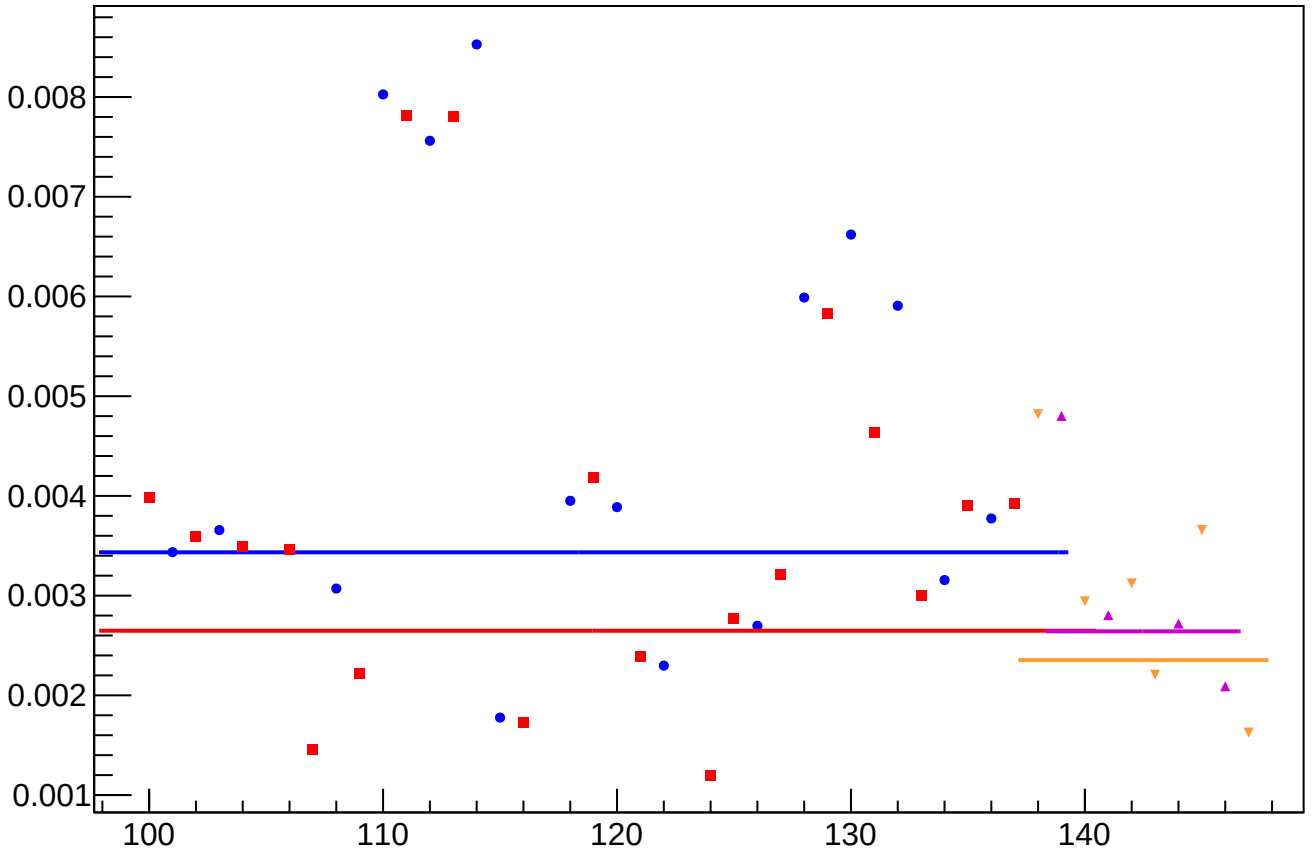
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/21

All: 0.000+/-0.000 χ^2/NDF: 46.0/44

- sign -0.000+/-0.000 χ^2/NDF: 17.3/22



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1064252.0/5

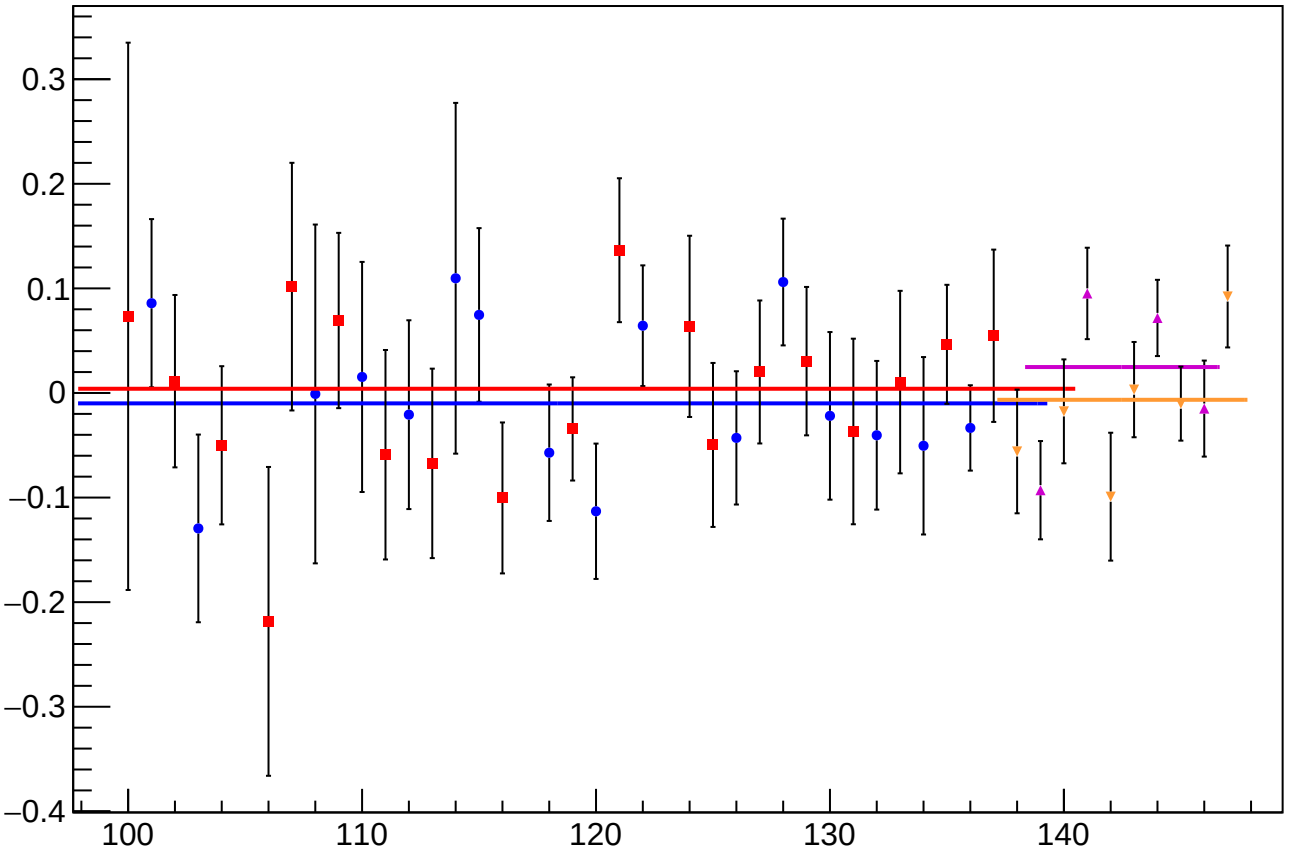
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:460687.7/3

+ sign 0.003+/-0.000 χ^2/NDF: 3524934.0/21

All: 0.003+/-0.000 χ^2/NDF: 6718513.8/44

- sign 0.003+/-0.000 χ^2/NDF: 3157583.5/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

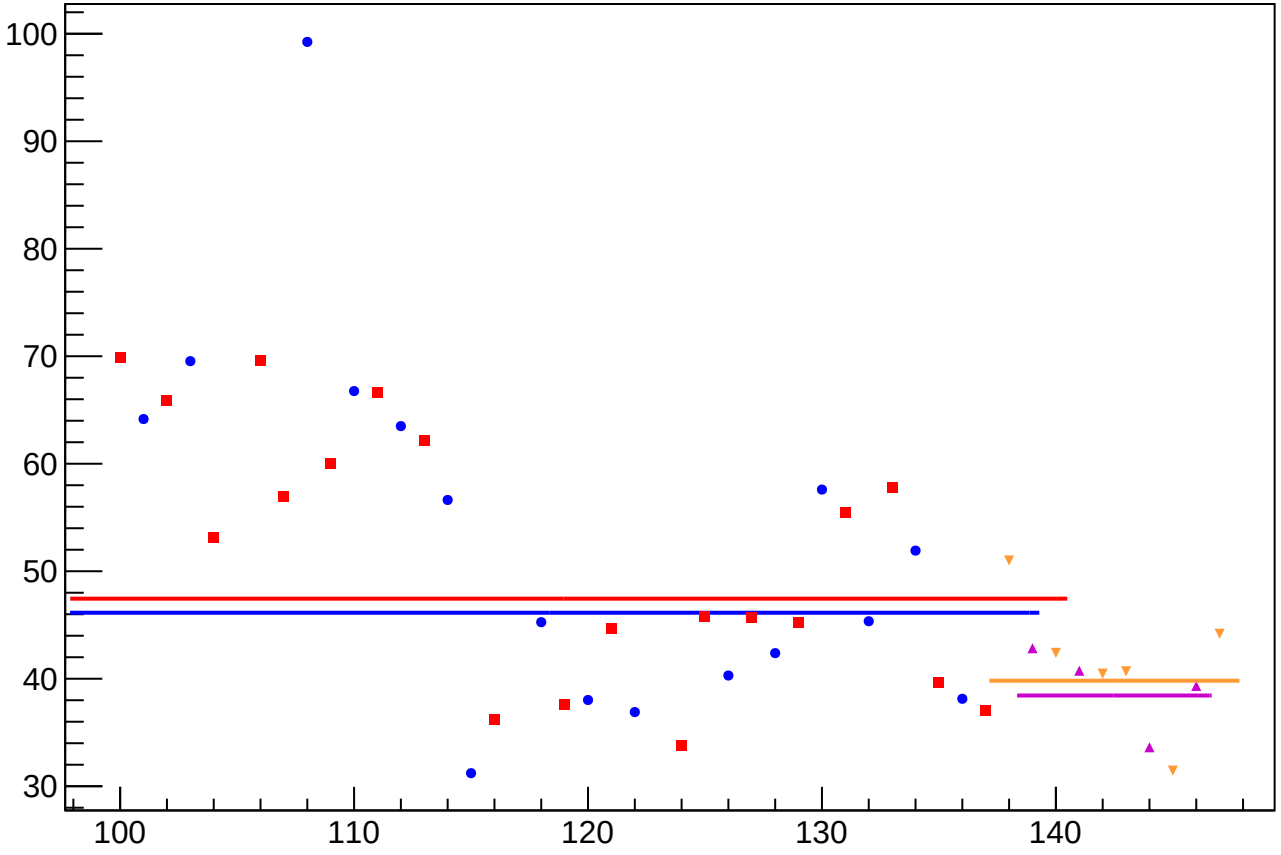
Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: 0.002+/-0.010 χ^2/NDF: 48.4/44

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

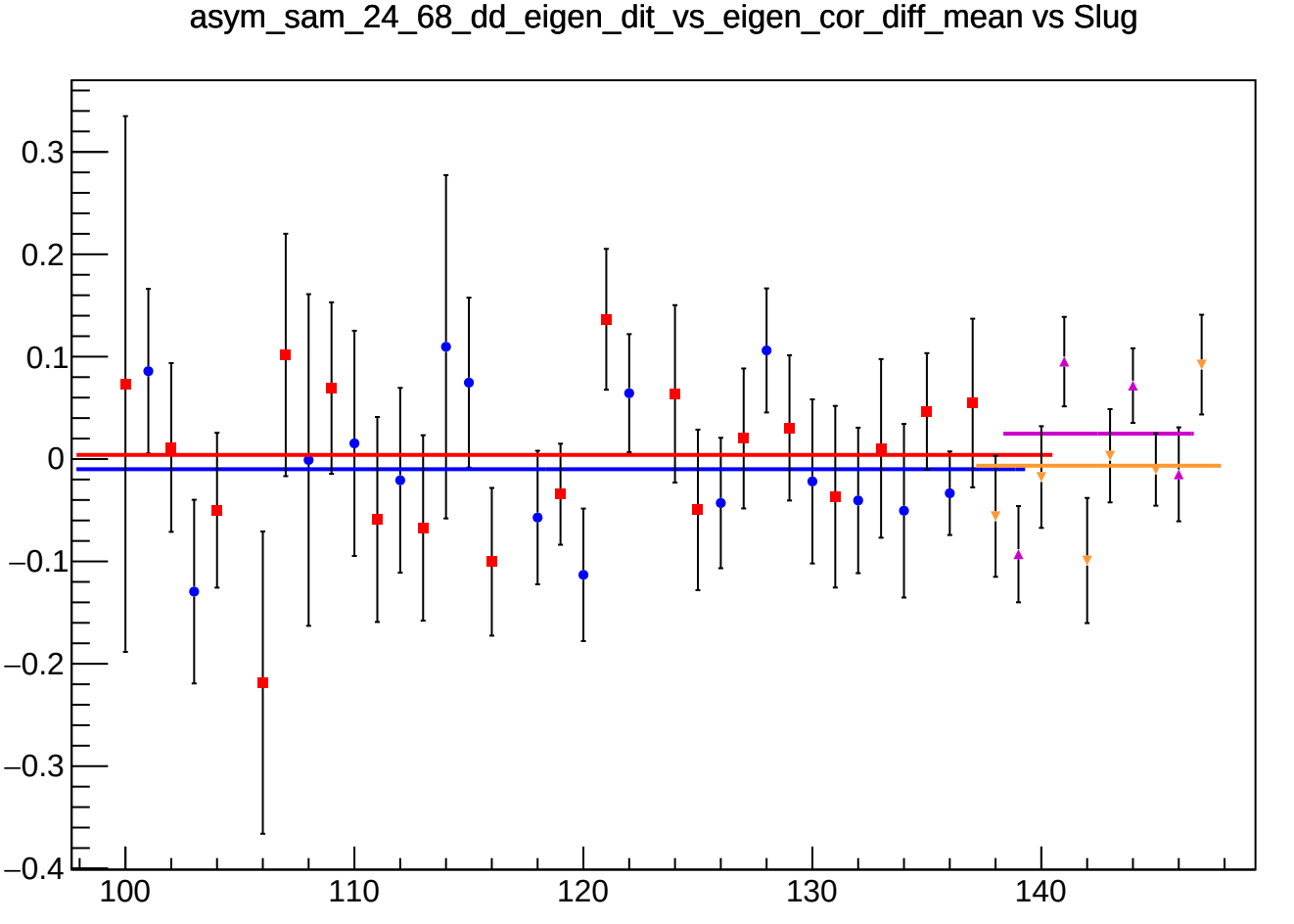
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

+ sign 43.214+/-0.009 χ^2/NDF: 1223398.6/21

All: 43.433+/-0.007 χ^2/NDF: 2145844.8/44

- sign 43.673+/-0.010 χ^2/NDF: 921288.2/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

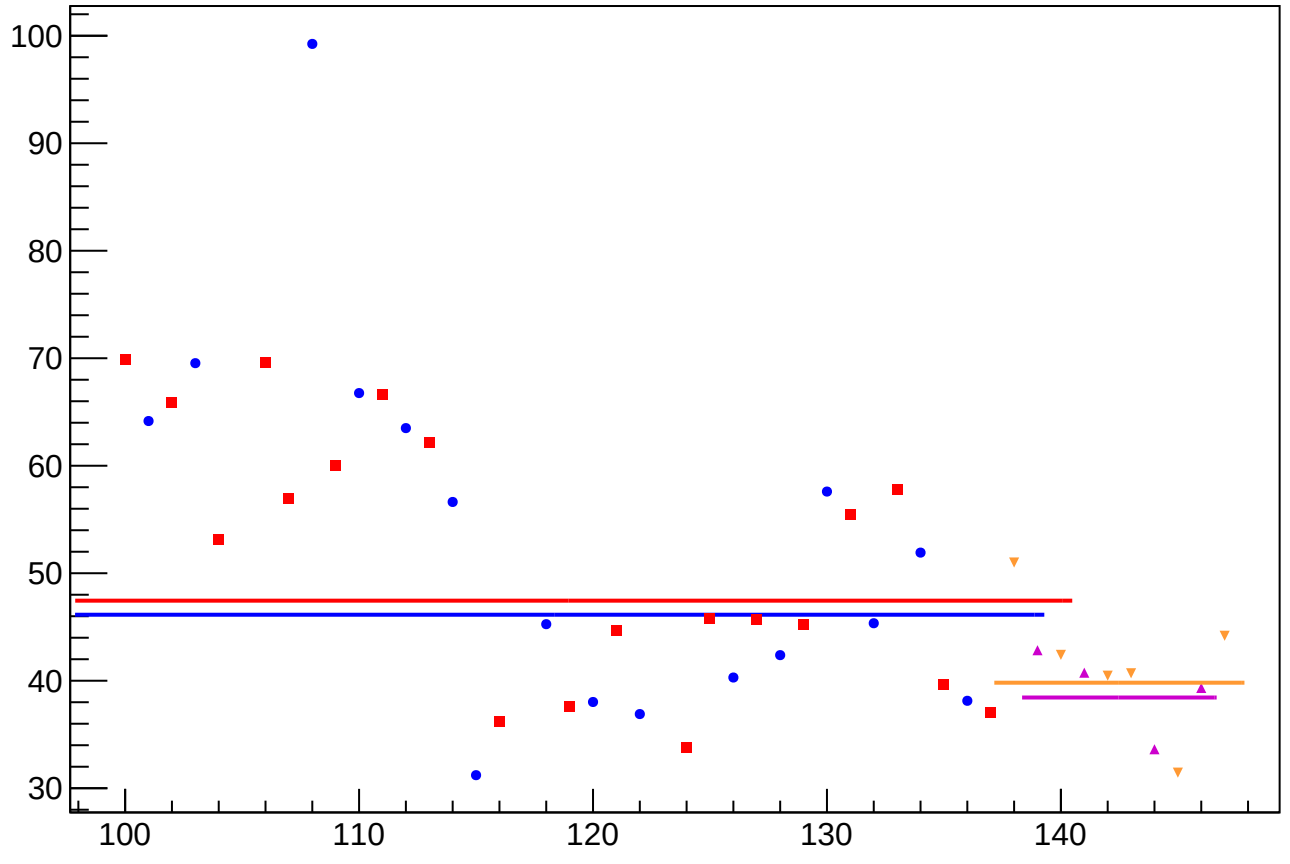
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: 0.002+/-0.010 χ^2/NDF: 48.4/44

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

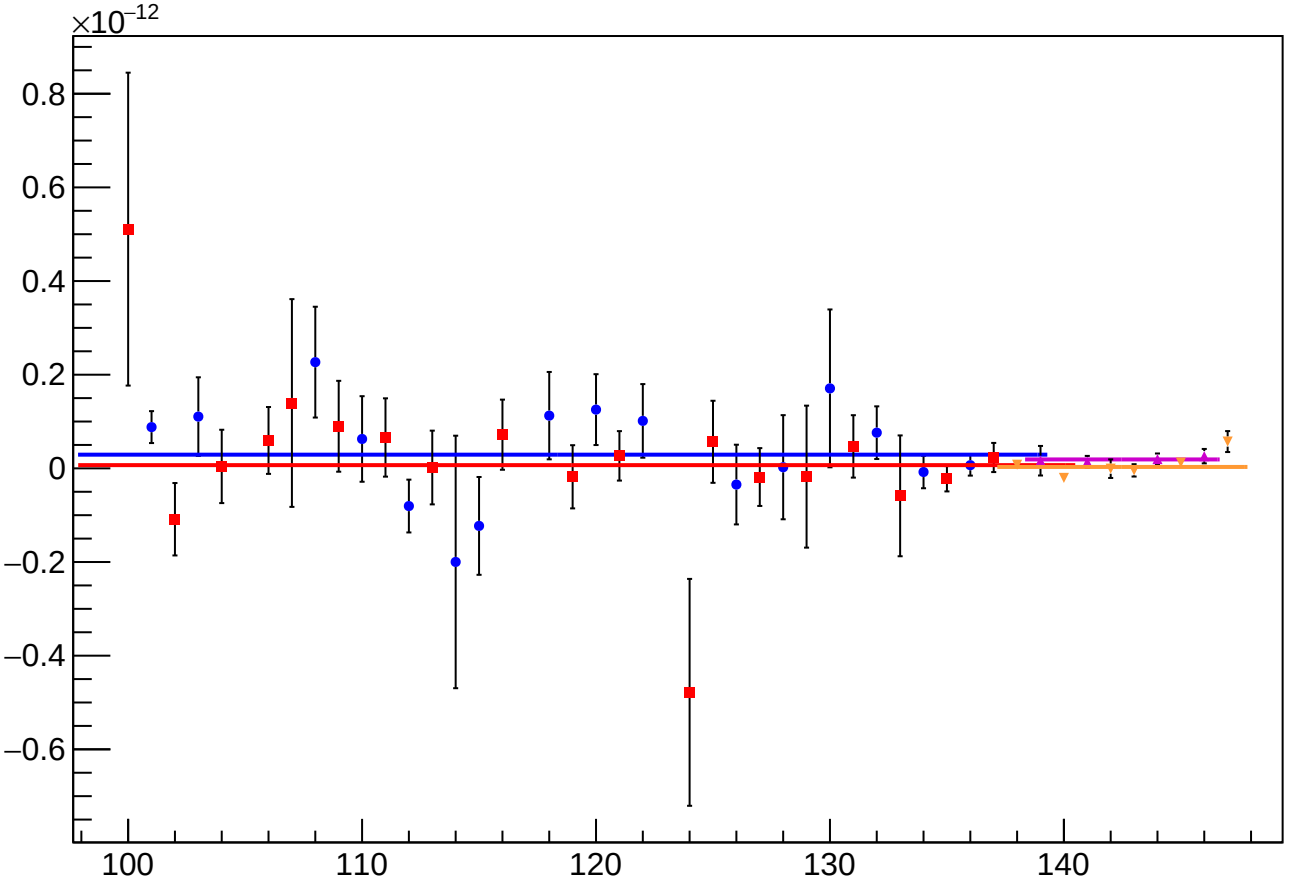
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

+ sign 43.214+/-0.009 χ^2/NDF: 1223398.6/21

All: 43.433+/-0.007 χ^2/NDF: 2145844.8/44

- sign 43.673+/-0.010 χ^2/NDF: 921288.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/5

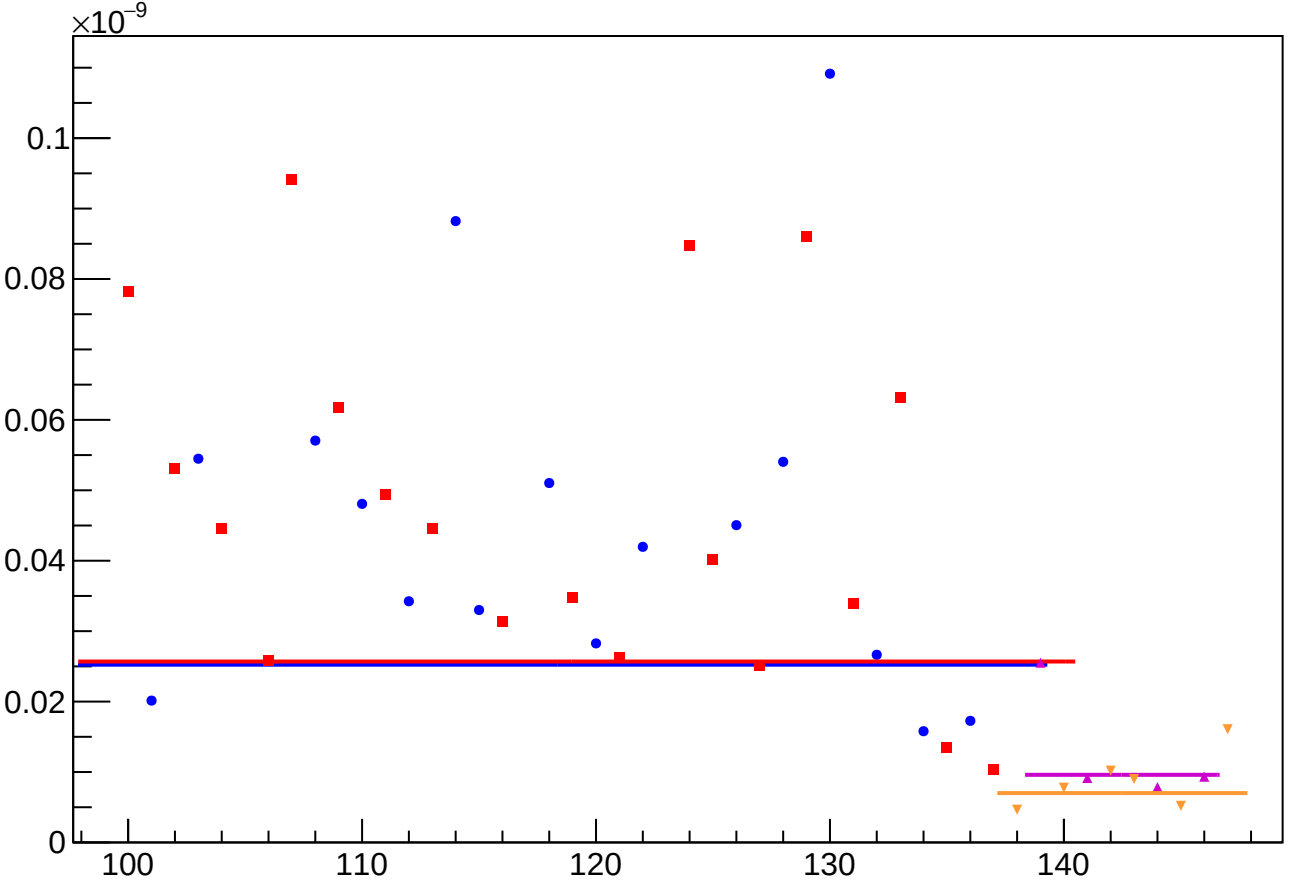
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/21

All: 0.000+/-0.000 χ^2/NDF: 53.4/44

- sign 0.000+/-0.000 χ^2/NDF: 15.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:624505.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

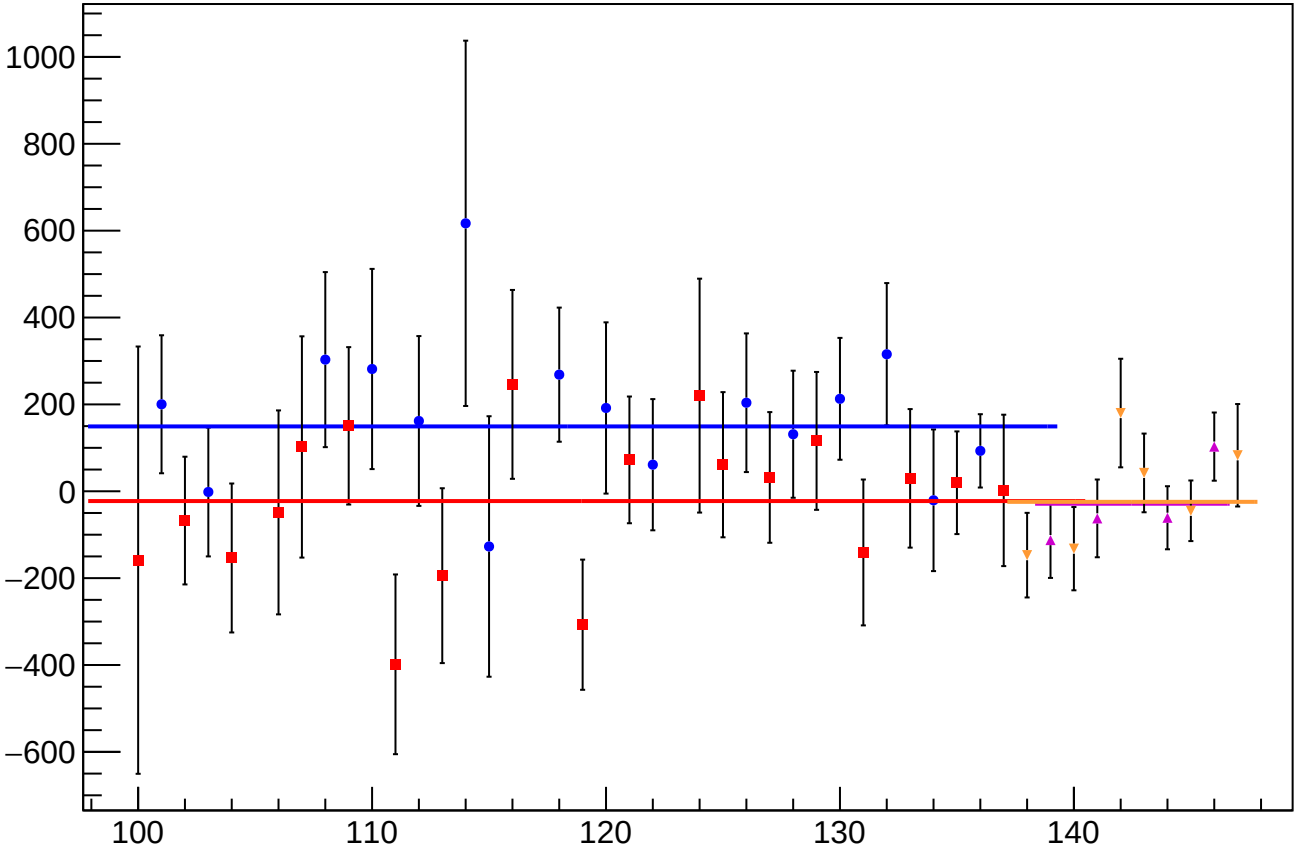
Left In: 0.000+/-0.000 χ^2/NDF:554210.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5947240.9/21

All: 0.000+/-0.000 χ^2/NDF: 11724702.8/44

- sign 0.000+/-0.000 χ^2/NDF: 5333055.1/22

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.336+/-38.421 χ^2/NDF:7.0/5

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

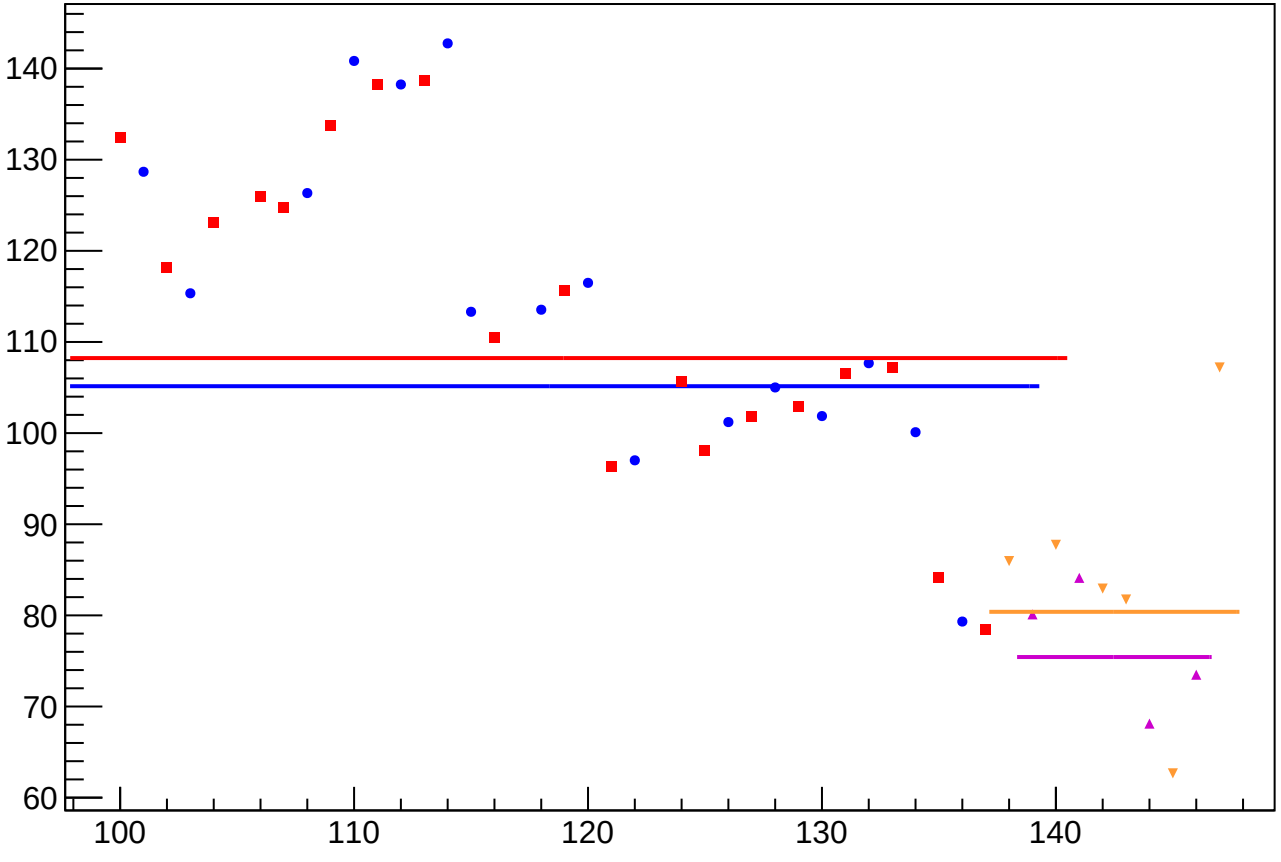
Left In: -28.698+/-40.538 χ^2/NDF:4.1/3

\+ sign 59.671+/-27.605 χ^2/NDF: 24.9/21

All: 18.413+/-19.831 χ^2/NDF: 47.8/44

\- sign -25.590+/-28.509 χ^2/NDF: 18.3/22

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.3/5

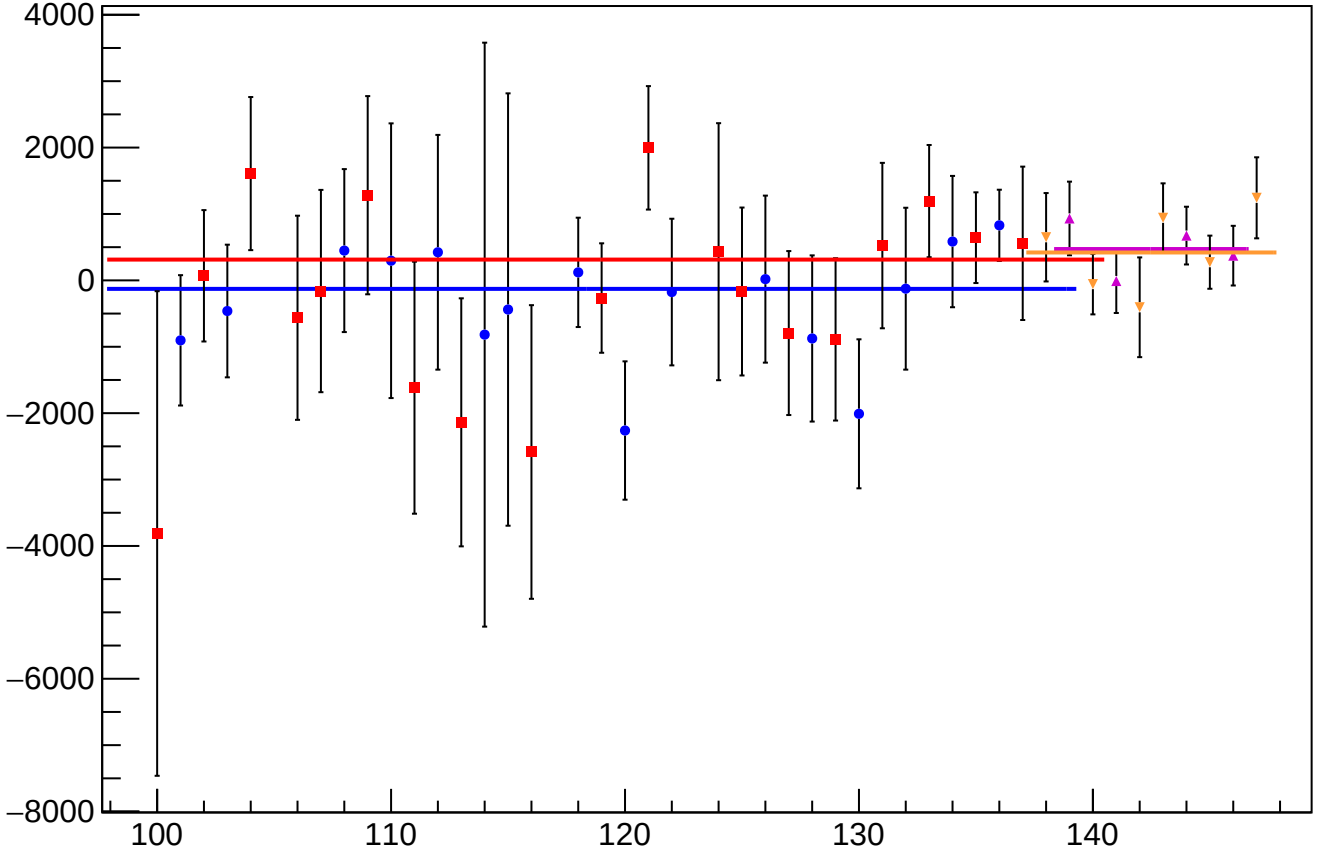
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.4/21

All: 92.194+/-0.014 χ^2/NDF: 2120224.0/44

- sign 92.009+/-0.020 χ^2/NDF: 1057927.5/22



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.144+/-215.762 χ^2/NDF:5.4/5

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

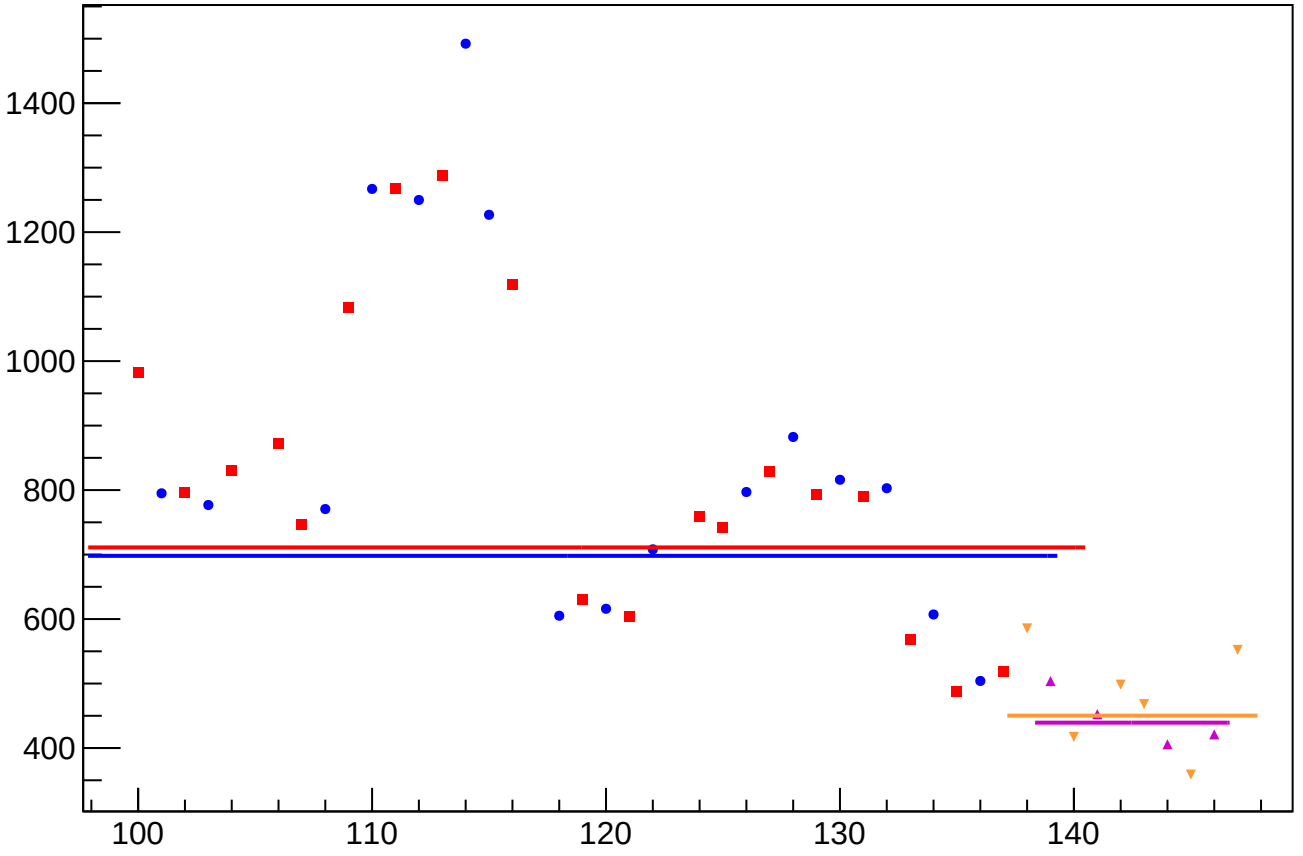
Left In: 471.960+/-237.018 χ^2/NDF:2.0/3

+ sign 205.154+/-168.215 χ^2/NDF: 20.2/21

All: 298.320+/-122.311 χ^2/NDF: 38.0/44

- sign 402.828+/-178.160 χ^2/NDF: 17.1/22

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 450.233+/-0.153 χ^2/NDF:263846.6/5

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

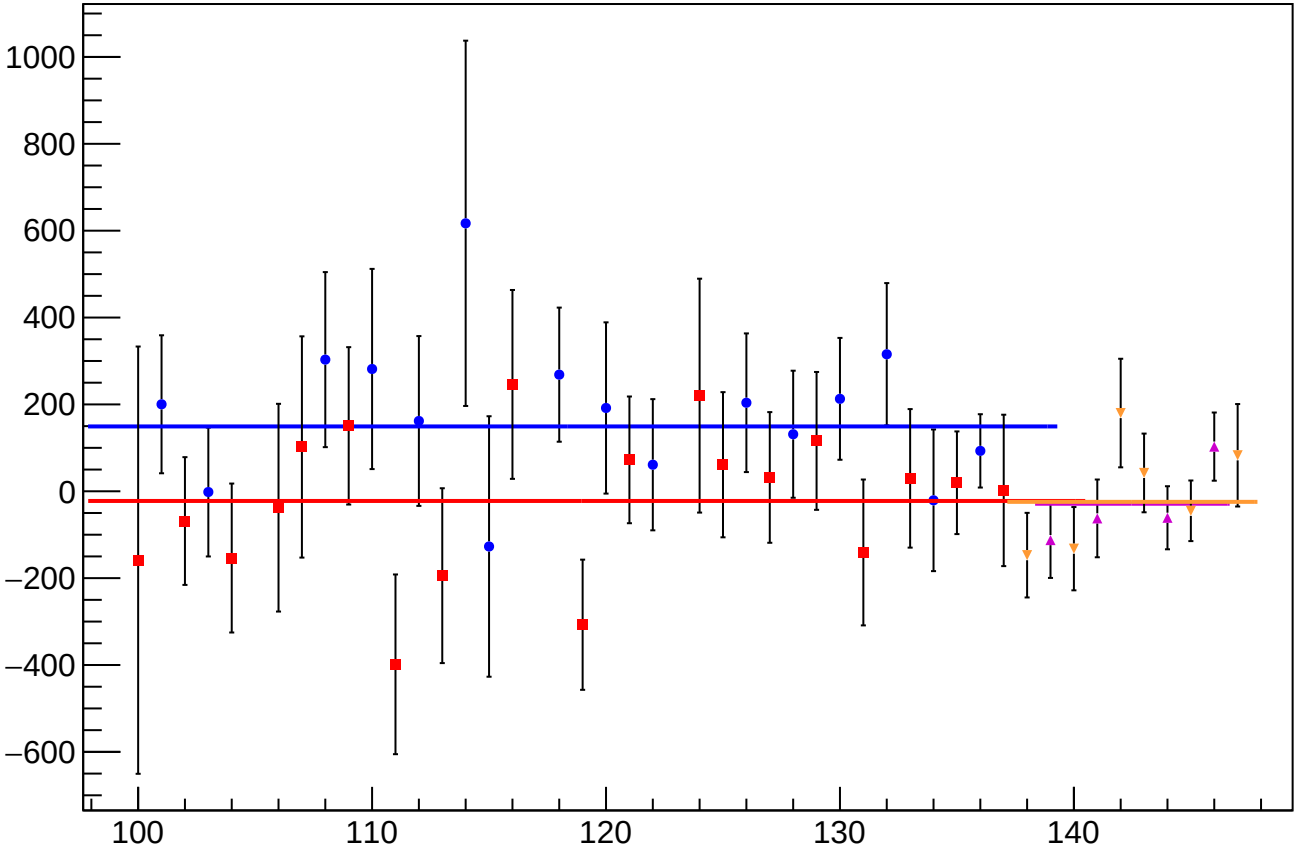
Left In: 439.345+/-0.168 χ^2/NDF:43673.8/3

+ sign 547.423+/-0.119 χ^2/NDF: 2211453.3/21

All: 552.195+/-0.086 χ^2/NDF: 4437217.0/44

- sign 557.549+/-0.126 χ^2/NDF: 2222347.7/22

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

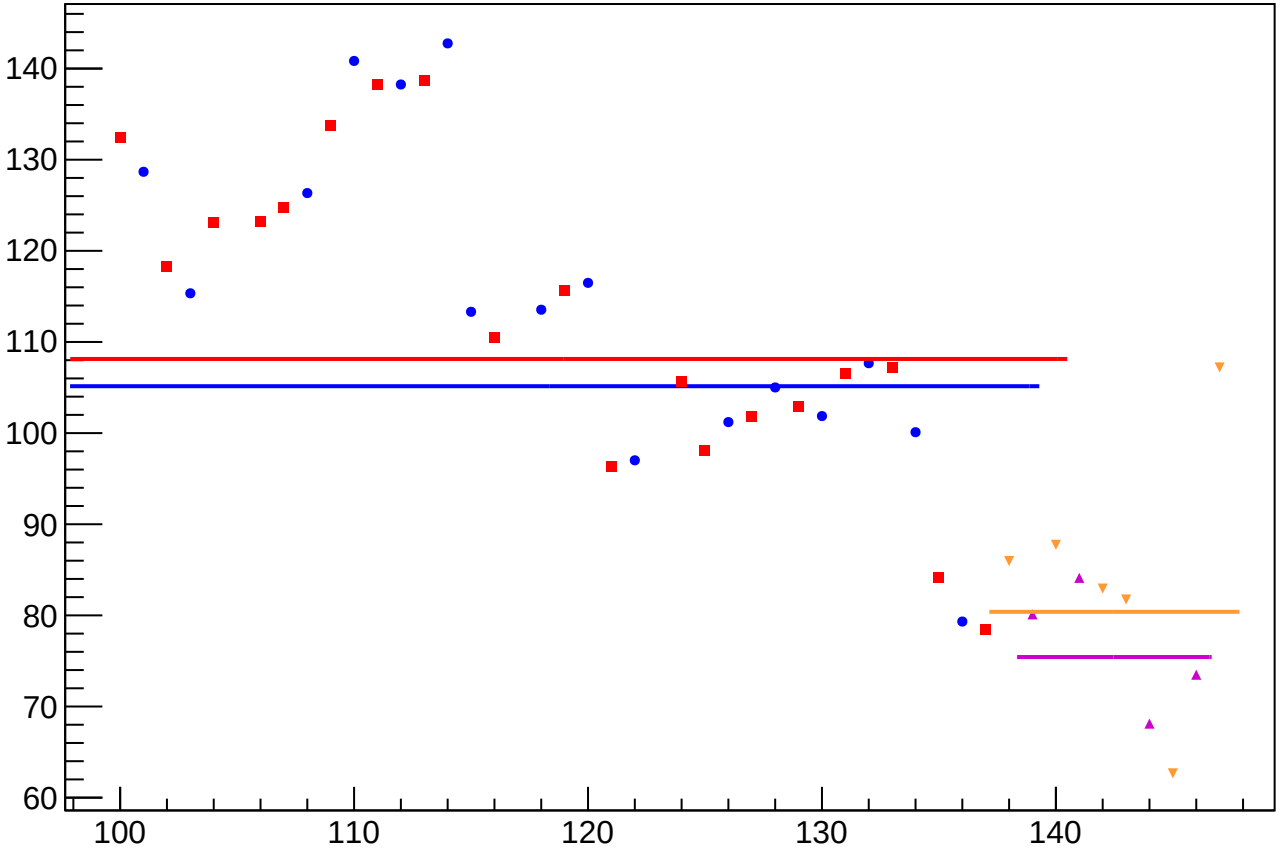
Left In: -28.695+/-40.538 χ^2/NDF:4.1/3

+ sign 59.661+/-27.605 χ^2/NDF: 24.9/21

All: 18.482+/-19.834 χ^2/NDF: 47.8/44

- sign -25.463+/-28.517 χ^2/NDF: 18.3/22

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

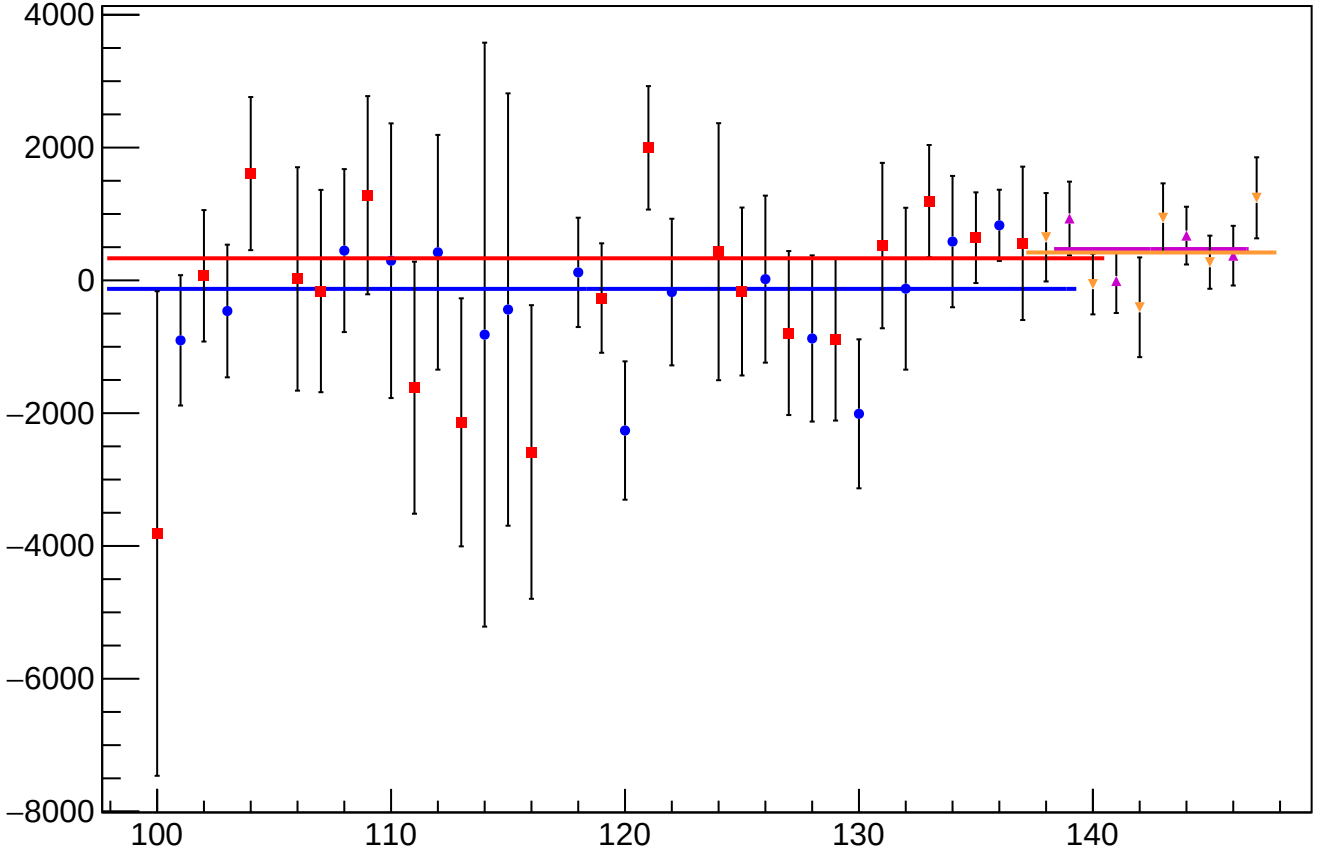
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.7/21

All: 92.166+/-0.014 χ^2/NDF: 2112424.3/44

- sign 91.951+/-0.020 χ^2/NDF: 1050070.7/22



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.136+/-215.762 χ^2/NDF:5.4/5

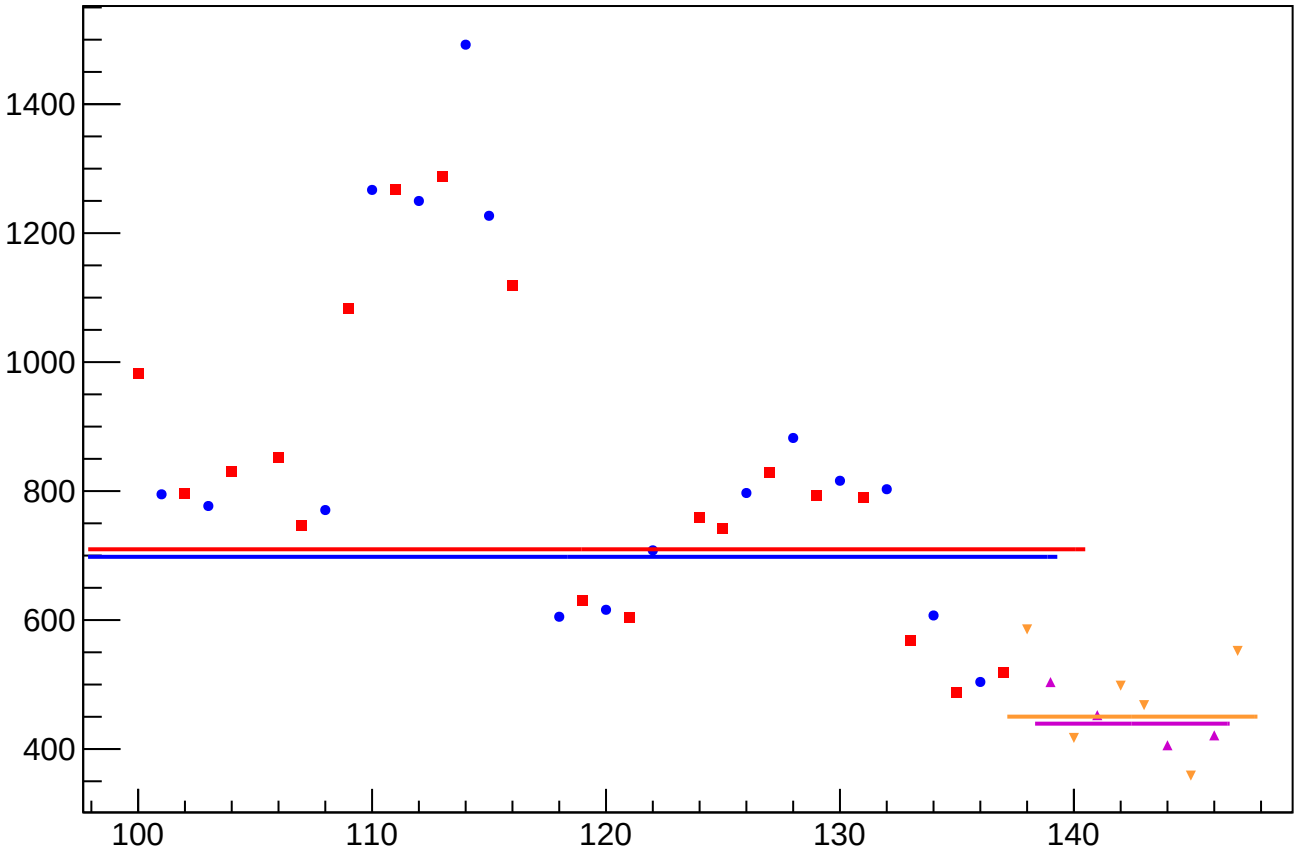
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 471.964+/-237.018 χ^2/NDF:2.0/3

+ sign 205.153+/-168.215 χ^2/NDF: 20.2/21

All: 302.313+/-122.376 χ^2/NDF: 37.7/44

- sign 411.549+/-178.362 χ^2/NDF: 16.8/22



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

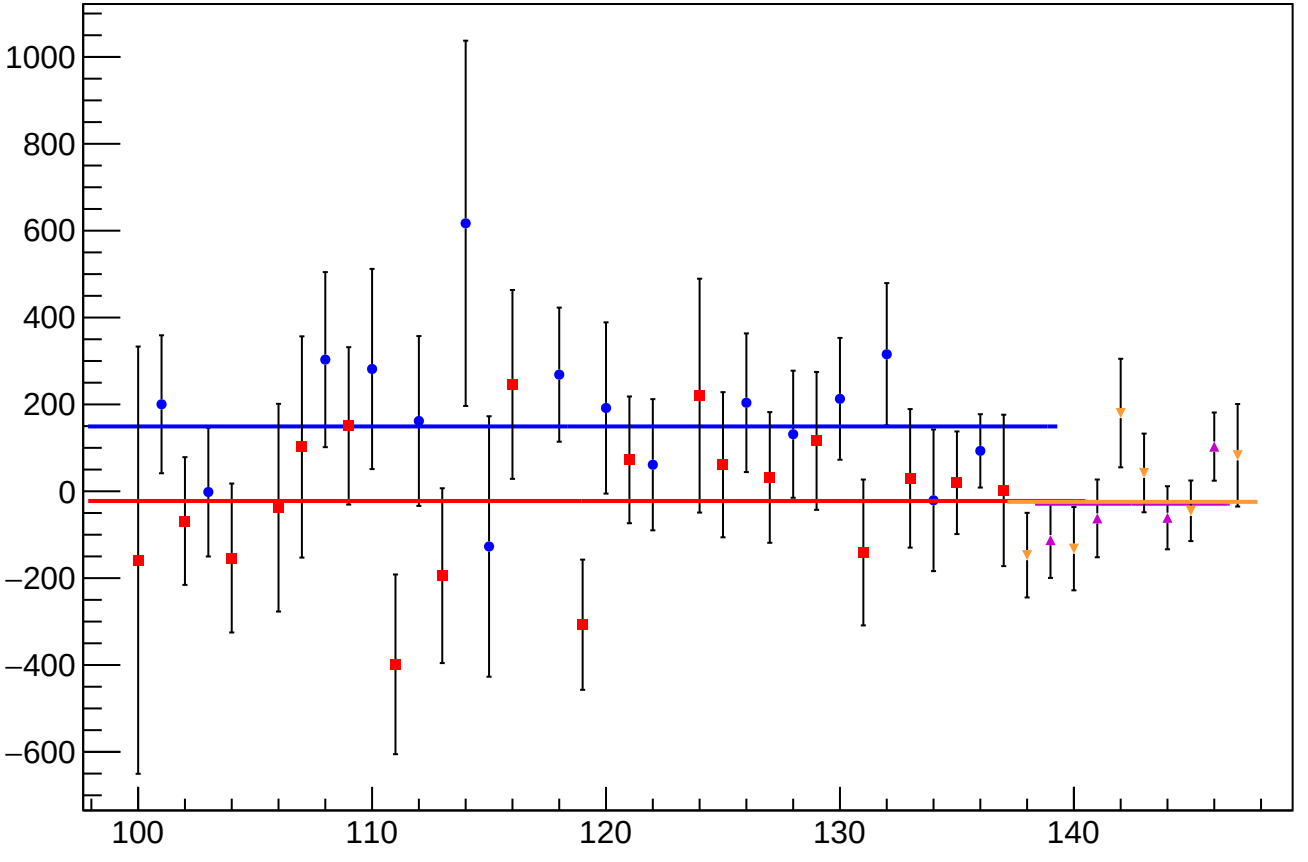
Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

+ sign 547.422+/-0.119 χ^2/NDF: 2211470.9/21

All: 551.752+/-0.087 χ^2/NDF: 4414050.4/44

- sign 556.621+/-0.126 χ^2/NDF: 2199764.5/22

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

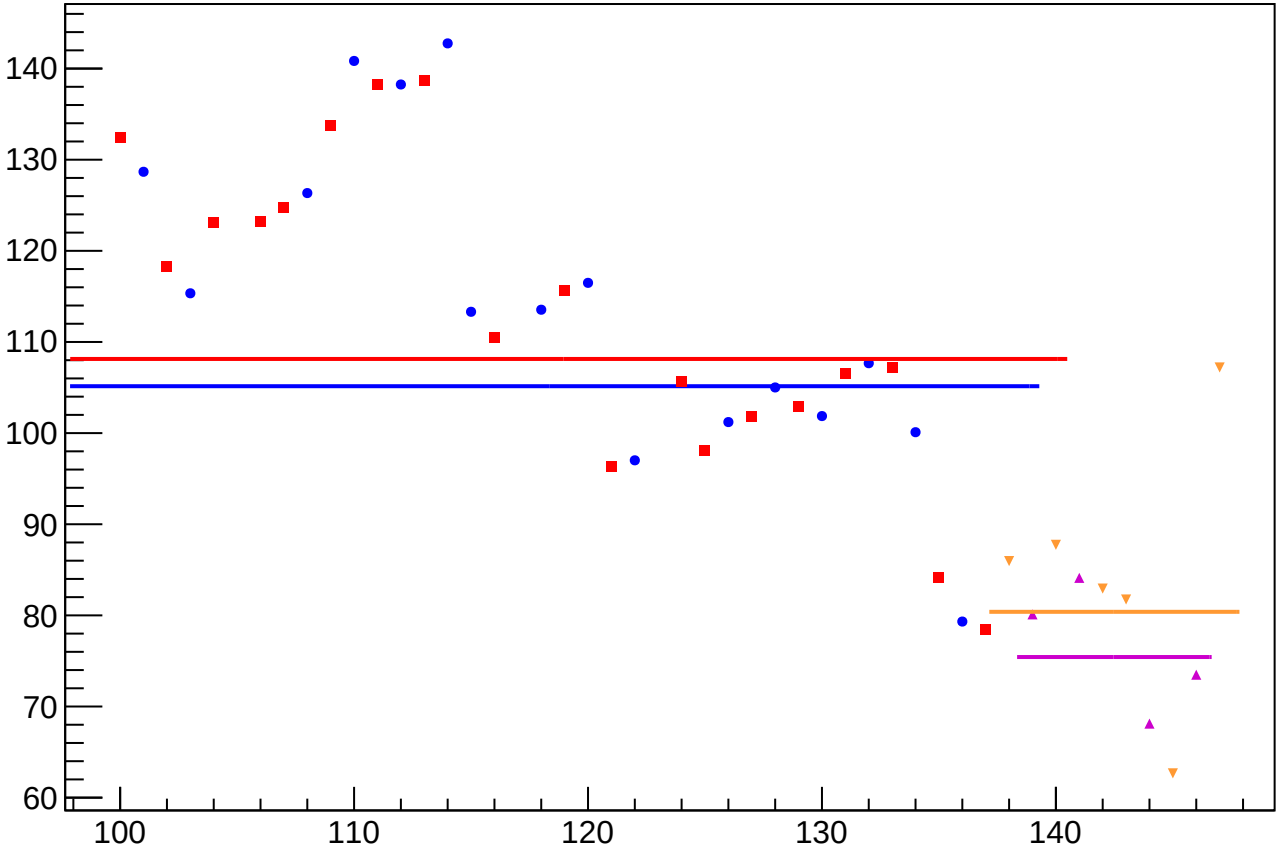
Left In: -28.695+/-40.538 χ^2/NDF:4.1/3

+ sign 59.661+/-27.605 χ^2/NDF: 24.9/21

All: 18.482+/-19.834 χ^2/NDF: 47.8/44

- sign -25.463+/-28.517 χ^2/NDF: 18.3/22

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

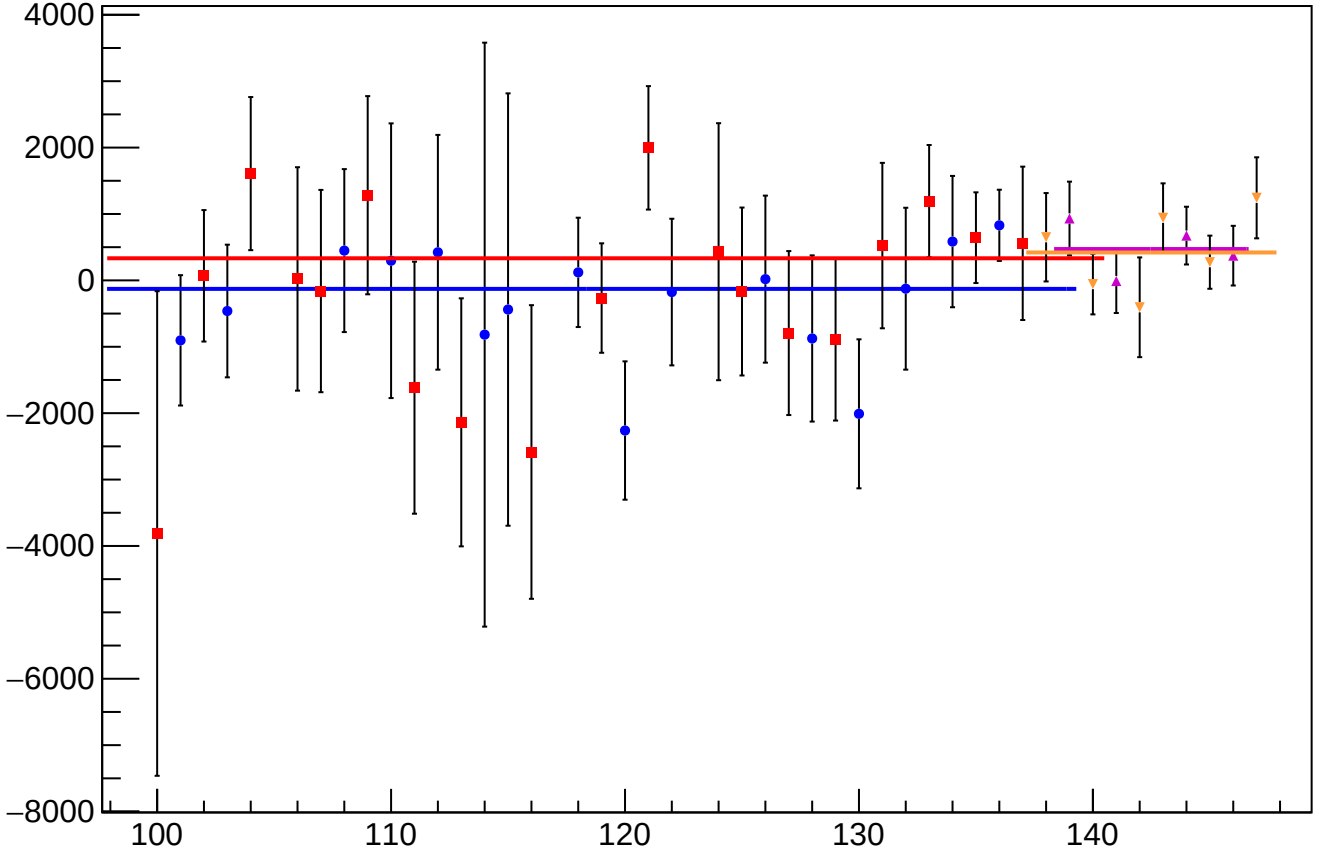
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.7/21

All: 92.166+/-0.014 χ^2/NDF: 2112424.3/44

- sign 91.951+/-0.020 χ^2/NDF: 1050070.7/22



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.136+/-215.762 χ^2/NDF:5.4/5

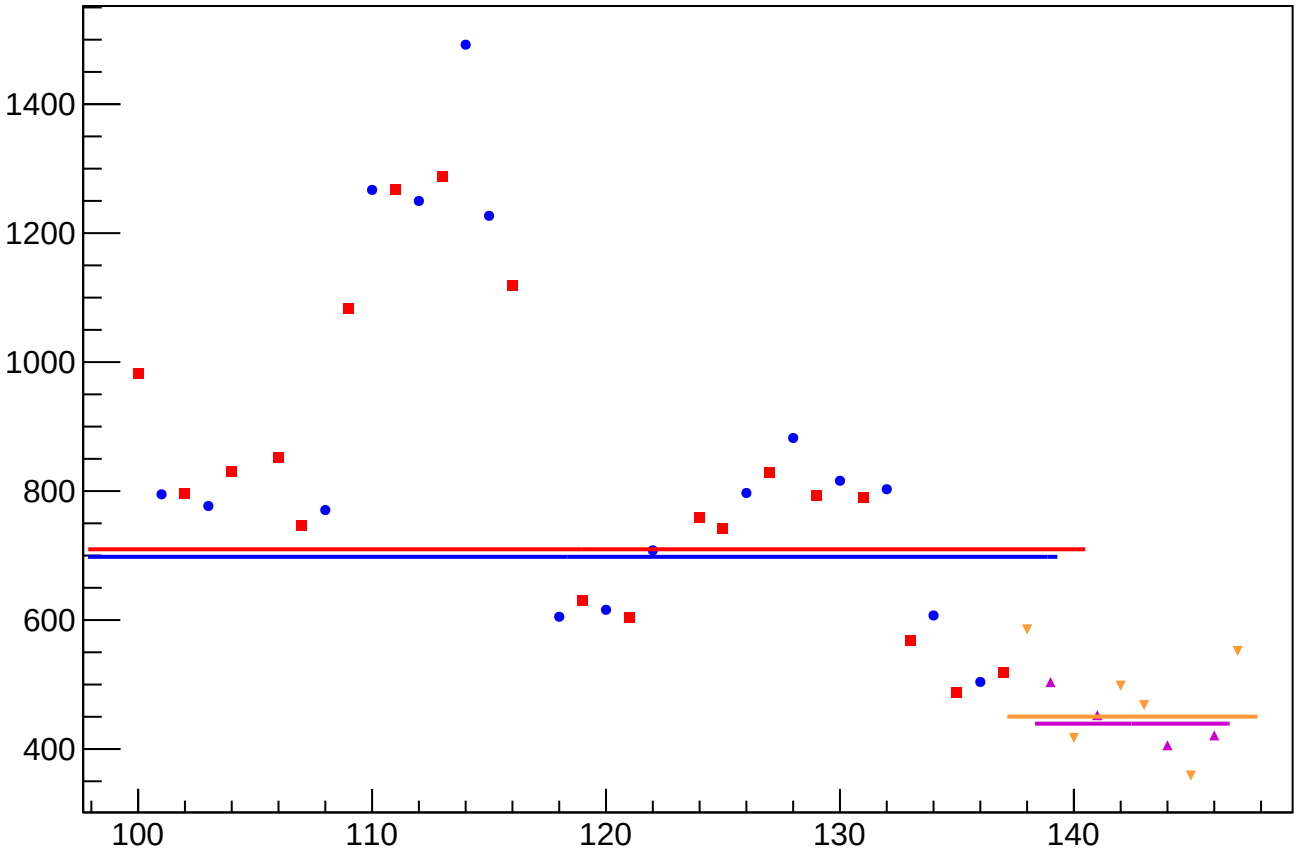
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 471.964+/-237.018 χ^2/NDF:2.0/3

+ sign 205.153+/-168.215 χ^2/NDF: 20.2/21

All: 302.313+/-122.376 χ^2/NDF: 37.7/44

- sign 411.549+/-178.362 χ^2/NDF: 16.8/22



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

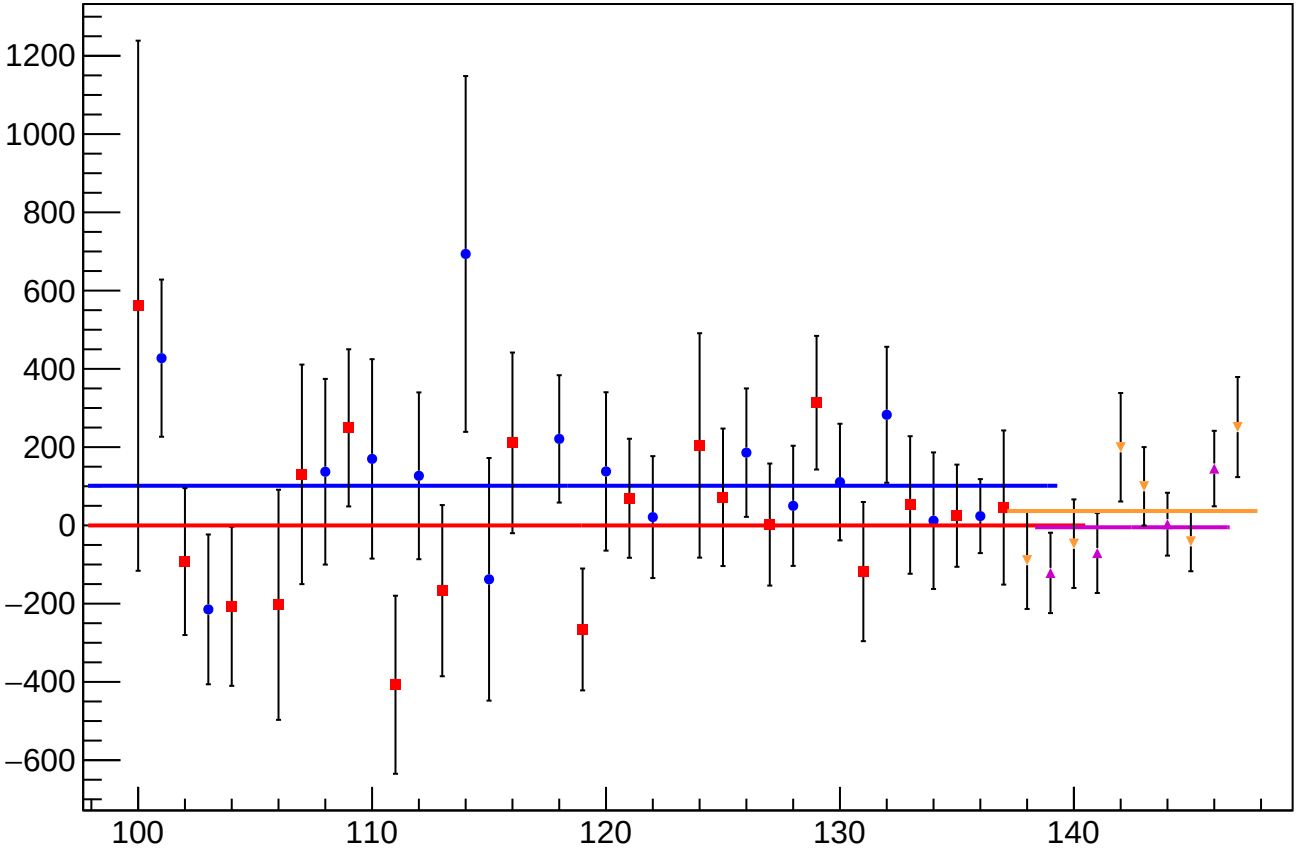
Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

\+ sign 547.422+/-0.119 χ^2/NDF: 2211470.9/21

All: 551.752+/-0.087 χ^2/NDF: 4414050.4/44

\- sign 556.621+/-0.126 χ^2/NDF: 2199764.5/22

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.724+/-43.576 χ^2/NDF:7.2/5

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

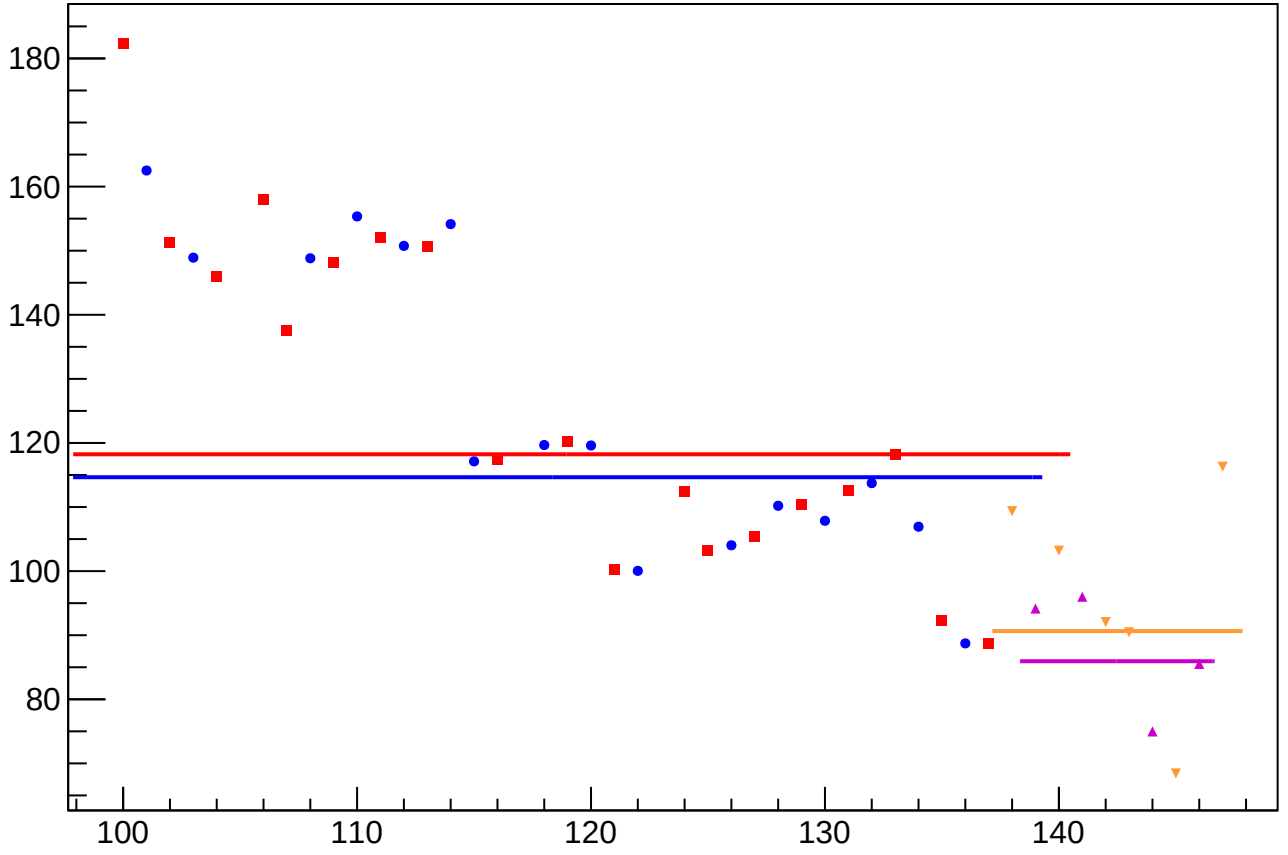
Left In: -4.825+/-46.983 χ^2/NDF:4.1/3

+ sign 69.051+/-30.789 χ^2/NDF: 19.3/21

All: 34.884+/-22.230 χ^2/NDF: 42.6/44

- sign -2.323+/-32.129 χ^2/NDF: 20.7/22

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 90.642+/-0.031 χ^2/NDF:319508.6/5

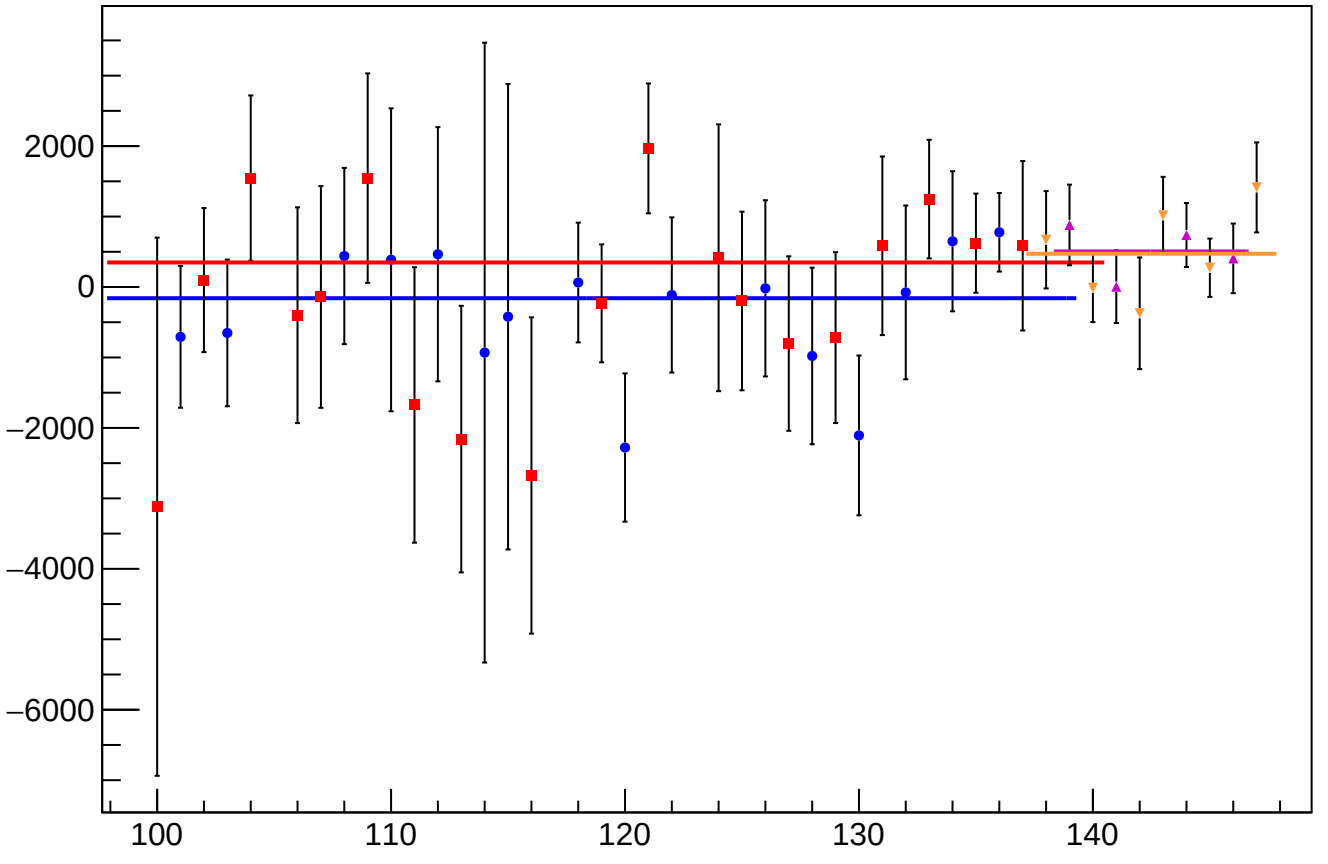
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.1/3

+ sign 102.667+/-0.022 χ^2/NDF: 1155603.3/21

All: 102.889+/-0.016 χ^2/NDF: 2211573.9/44

- sign 103.131+/-0.023 χ^2/NDF: 1055753.3/22



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 471.620+/-226.140 χ^2/NDF:5.6/5

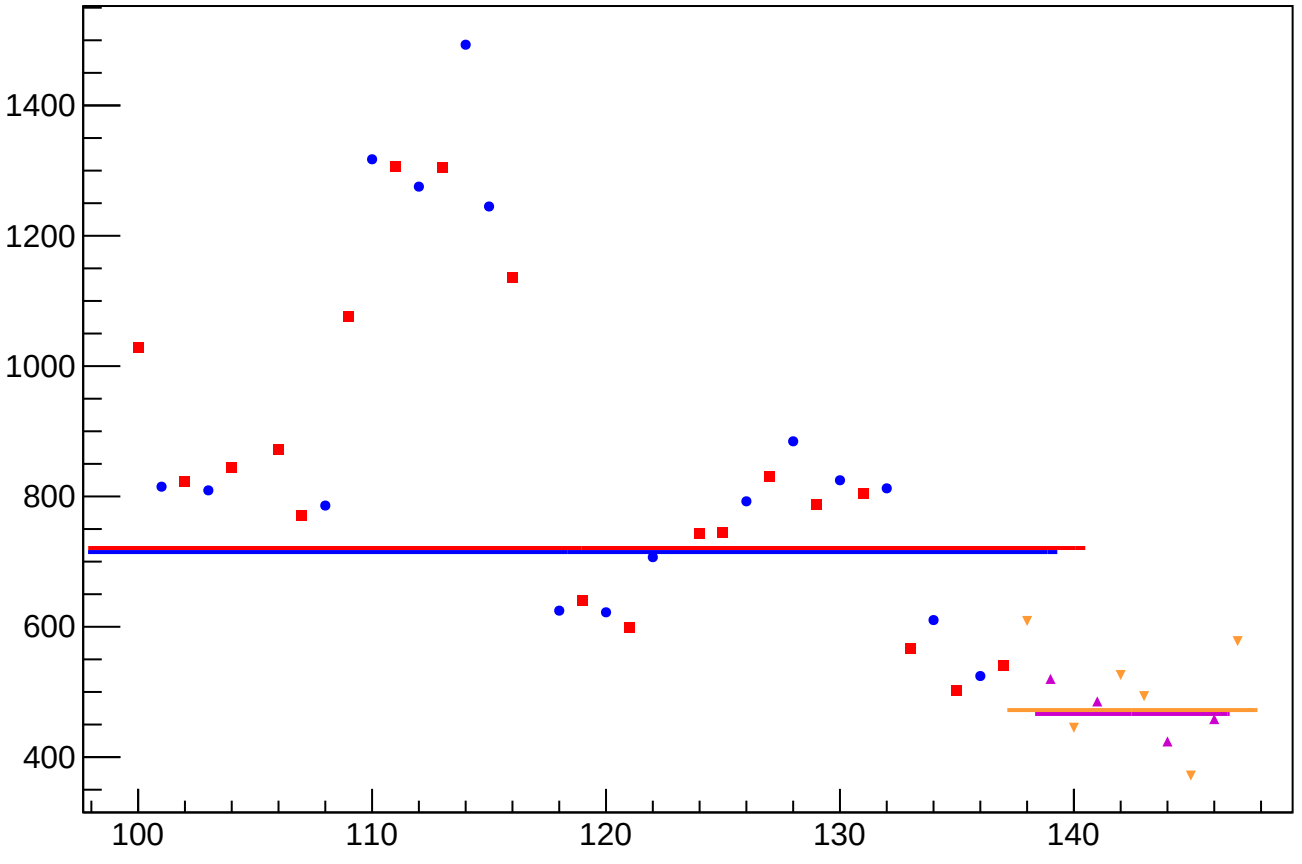
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 504.969+/-251.977 χ^2/NDF:1.7/3

\+ sign 216.682+/-174.554 χ^2/NDF: 20.7/21

All: 318.441+/-127.072 χ^2/NDF: 37.6/44

\- sign 433.173+/-185.347 χ^2/NDF: 16.2/22



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 472.216+/-0.160 χ^2/NDF:269757.0/5

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

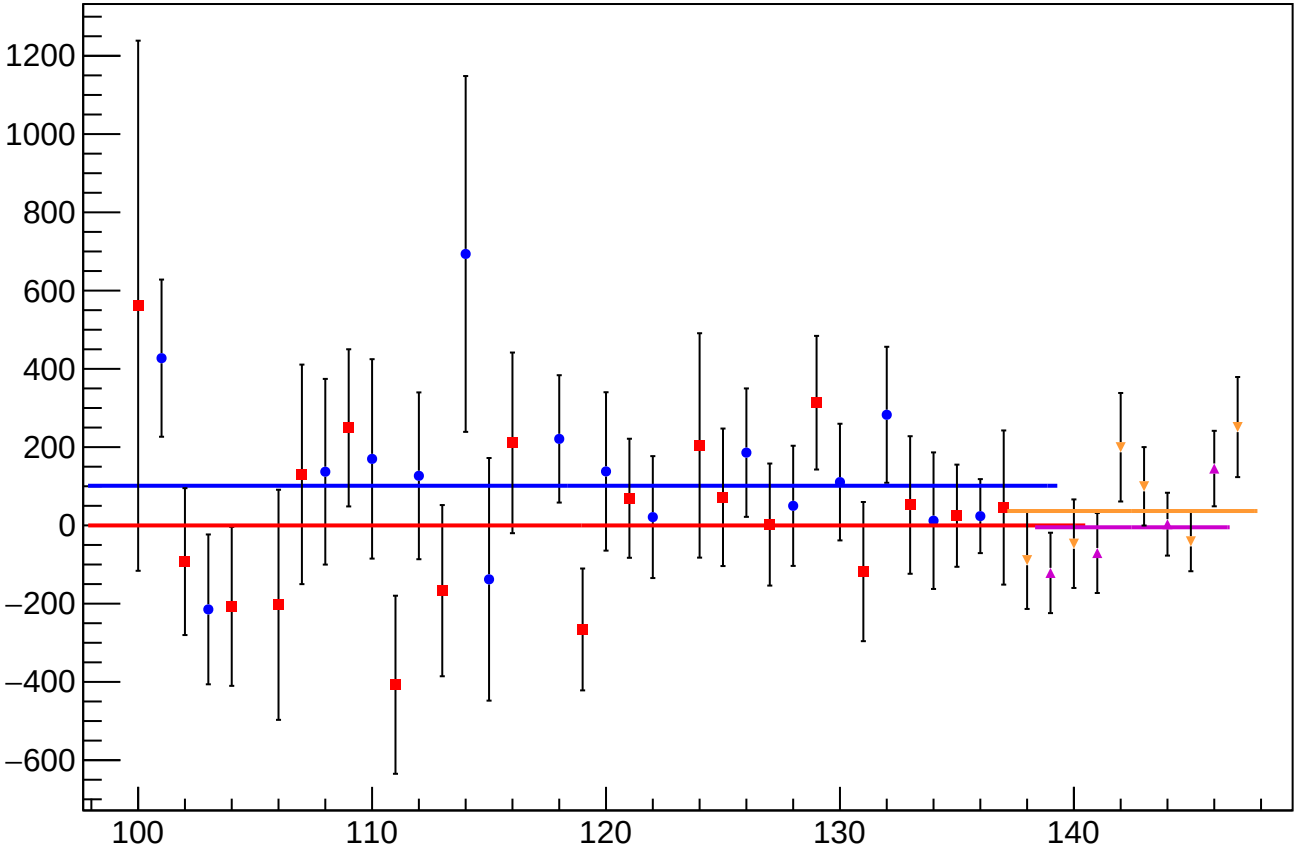
Left In: 466.234+/-0.178 χ^2/NDF:38189.3/3

+ sign 570.213+/-0.123 χ^2/NDF: 2075183.1/21

All: 576.272+/-0.090 χ^2/NDF: 4074388.3/44

- sign 583.103+/-0.131 χ^2/NDF: 1994079.0/22

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.723+/-43.576 χ^2/NDF:7.2/5

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

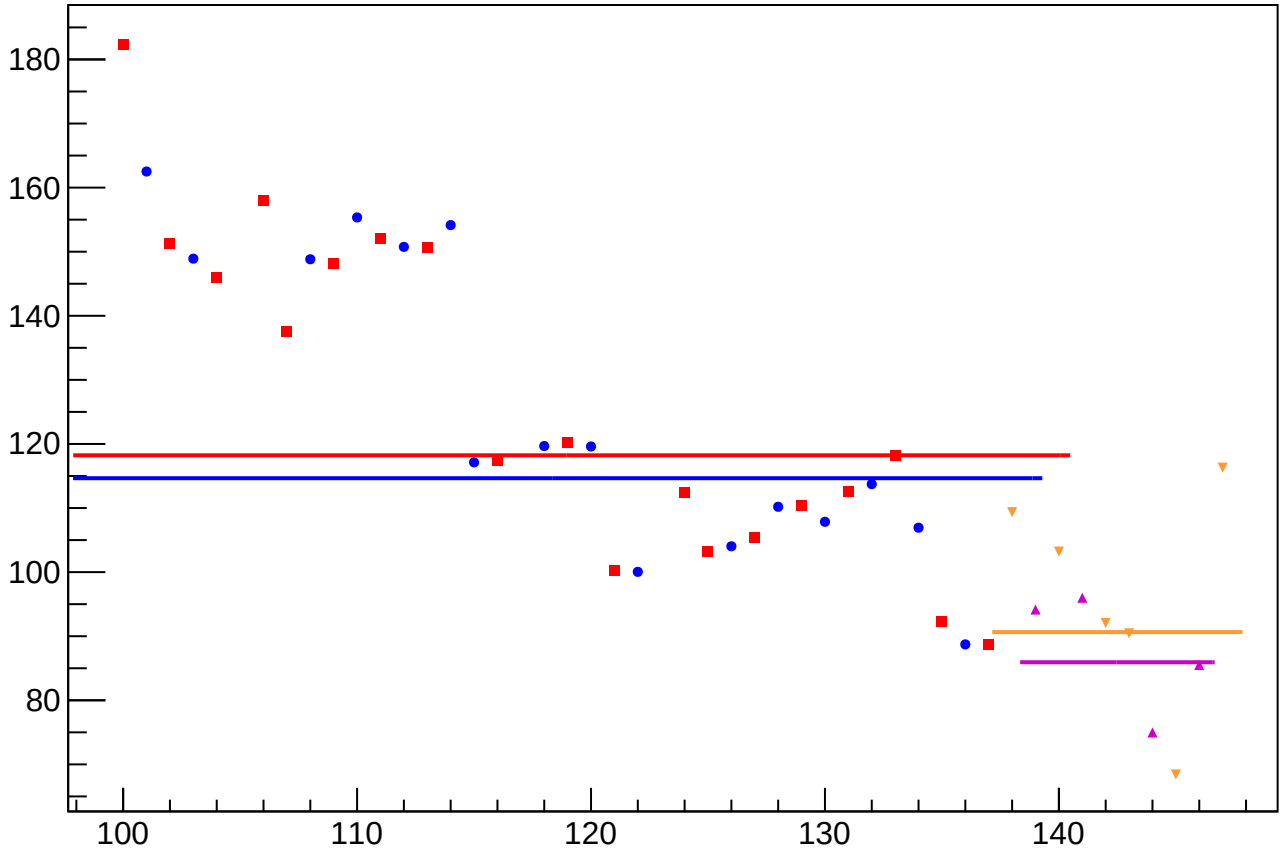
Left In: -4.824+/-46.983 χ^2/NDF:4.1/3

+ sign 69.050+/-30.789 χ^2/NDF: 19.3/21

All: 34.883+/-22.230 χ^2/NDF: 42.6/44

- sign -2.322+/-32.129 χ^2/NDF: 20.7/22

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 90.642+/-0.031 χ^2/NDF:319514.4/5

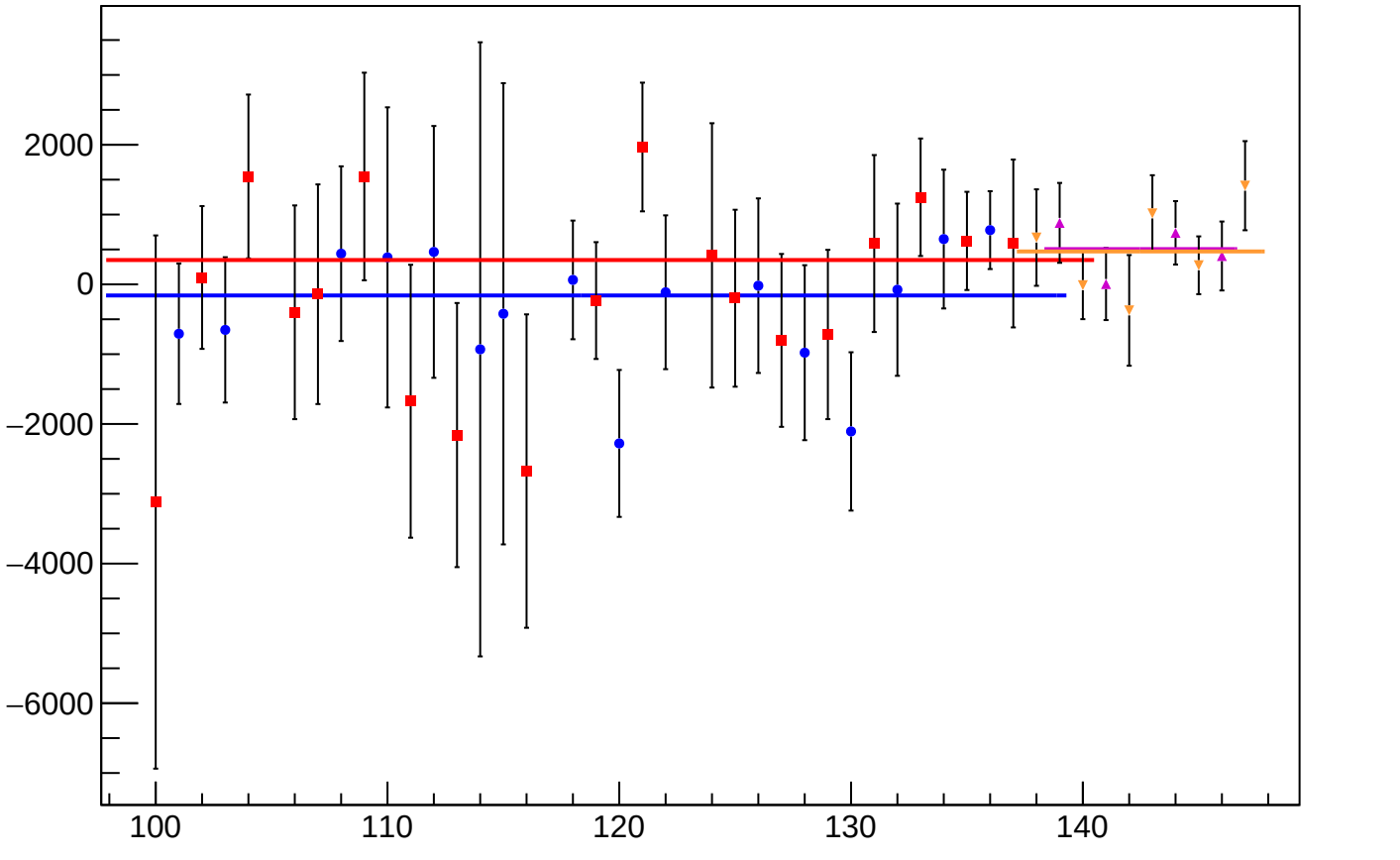
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.7/3

+ sign 102.667+/-0.022 χ^2/NDF: 1155599.1/21

All: 102.889+/-0.016 χ^2/NDF: 2211560.7/44

- sign 103.131+/-0.023 χ^2/NDF: 1055744.2/22



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 471.619+/-226.140 χ^2/NDF:5.6/5

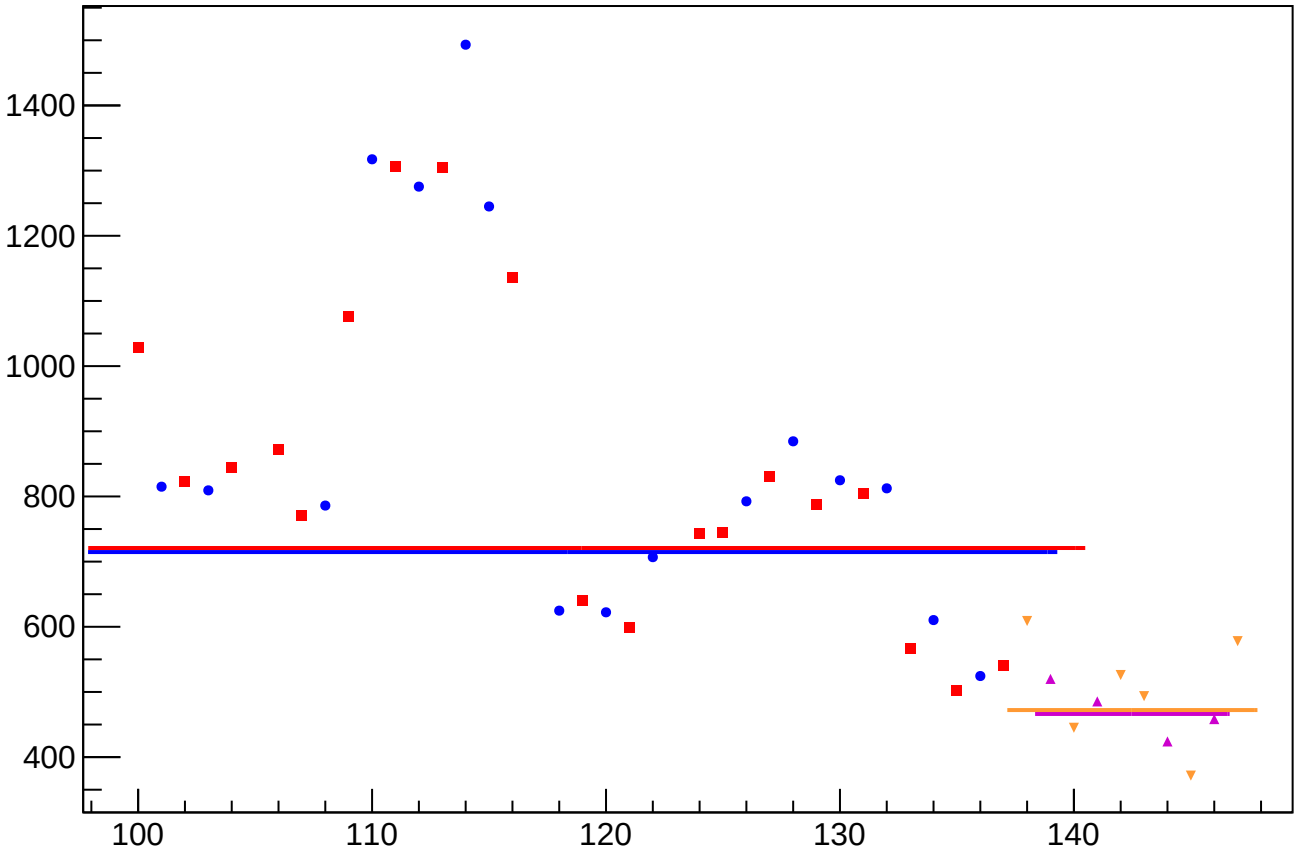
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 504.969+/-251.977 χ^2/NDF:1.7/3

+ sign 216.681+/-174.554 χ^2/NDF: 20.7/21

All: 318.440+/-127.072 χ^2/NDF: 37.6/44

- sign 433.173+/-185.347 χ^2/NDF: 16.2/22



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 472.216+/-0.160 χ^2/NDF:269761.6/5

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

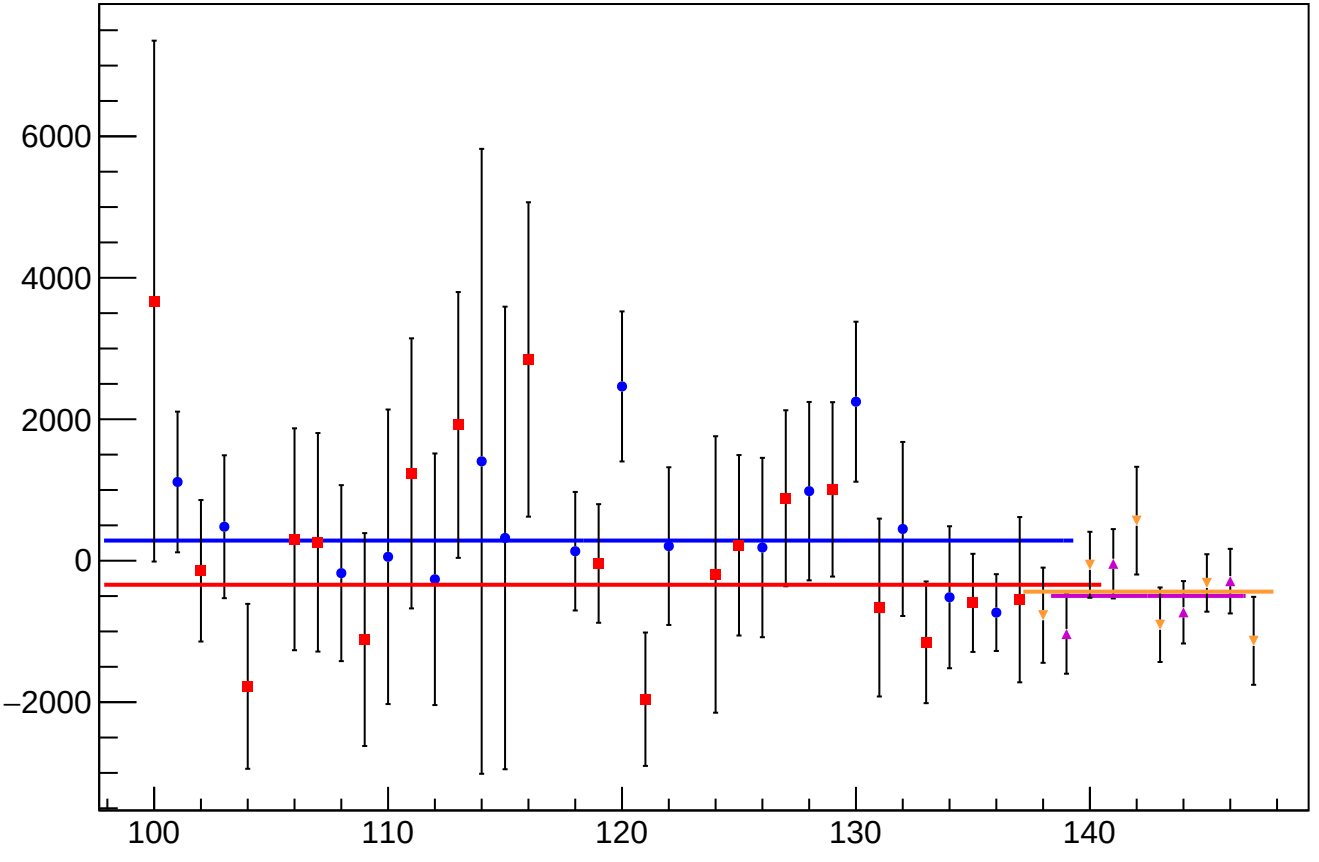
Left In: 466.234+/-0.178 χ^2/NDF:38189.9/3

+ sign 570.213+/-0.123 χ^2/NDF: 2075182.4/21

All: 576.272+/-0.090 χ^2/NDF: 4074378.2/44

- sign 583.103+/-0.131 χ^2/NDF: 1994069.5/22

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -437.216+/-219.385 χ^2/NDF:4.8/5

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

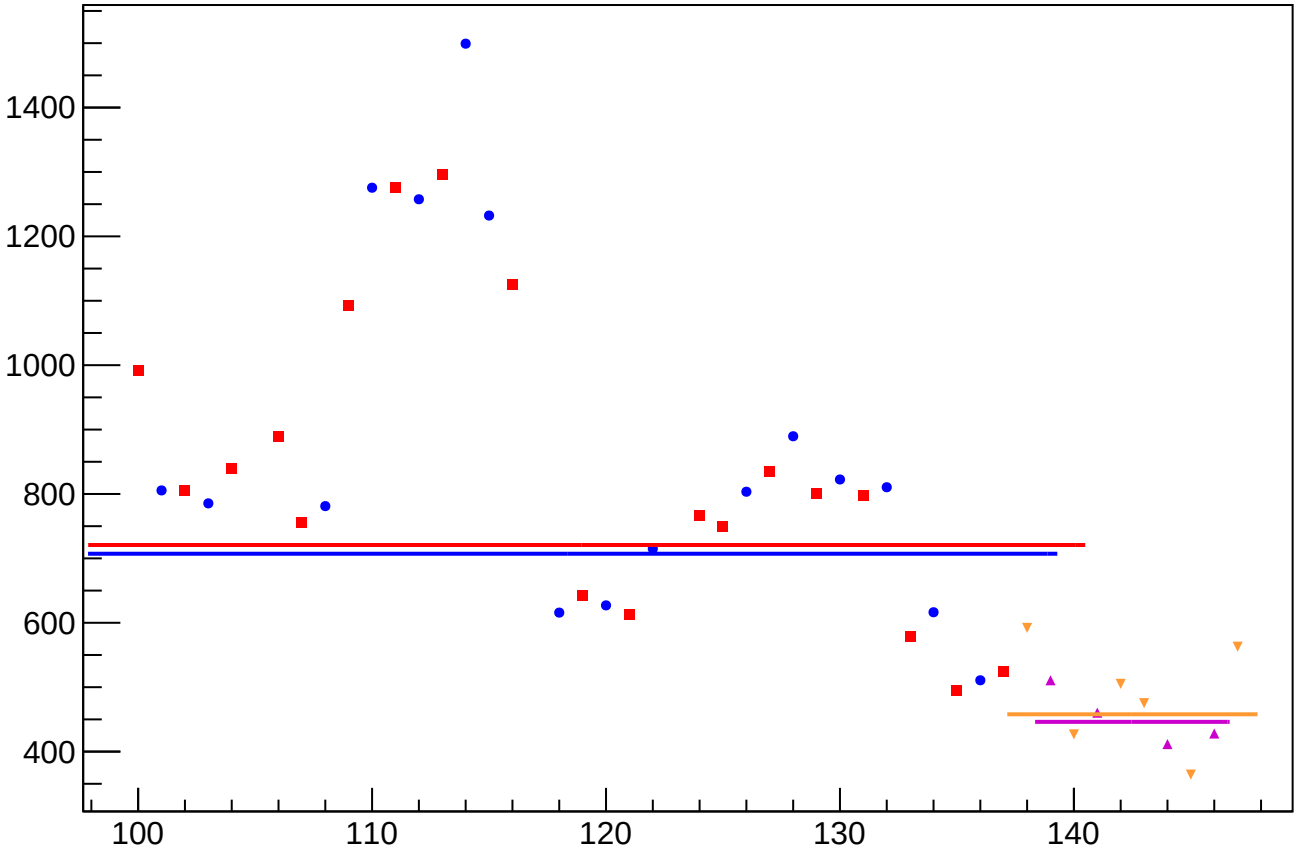
Left In: -497.816+/-240.648 χ^2/NDF:2.3/3

+ sign -152.579+/-170.749 χ^2/NDF: 21.8/21

All: -282.965+/-124.106 χ^2/NDF: 39.6/44

- sign -428.988+/-180.698 χ^2/NDF: 16.5/22

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 457.923+/-0.155 χ^2/NDF:261516.6/5

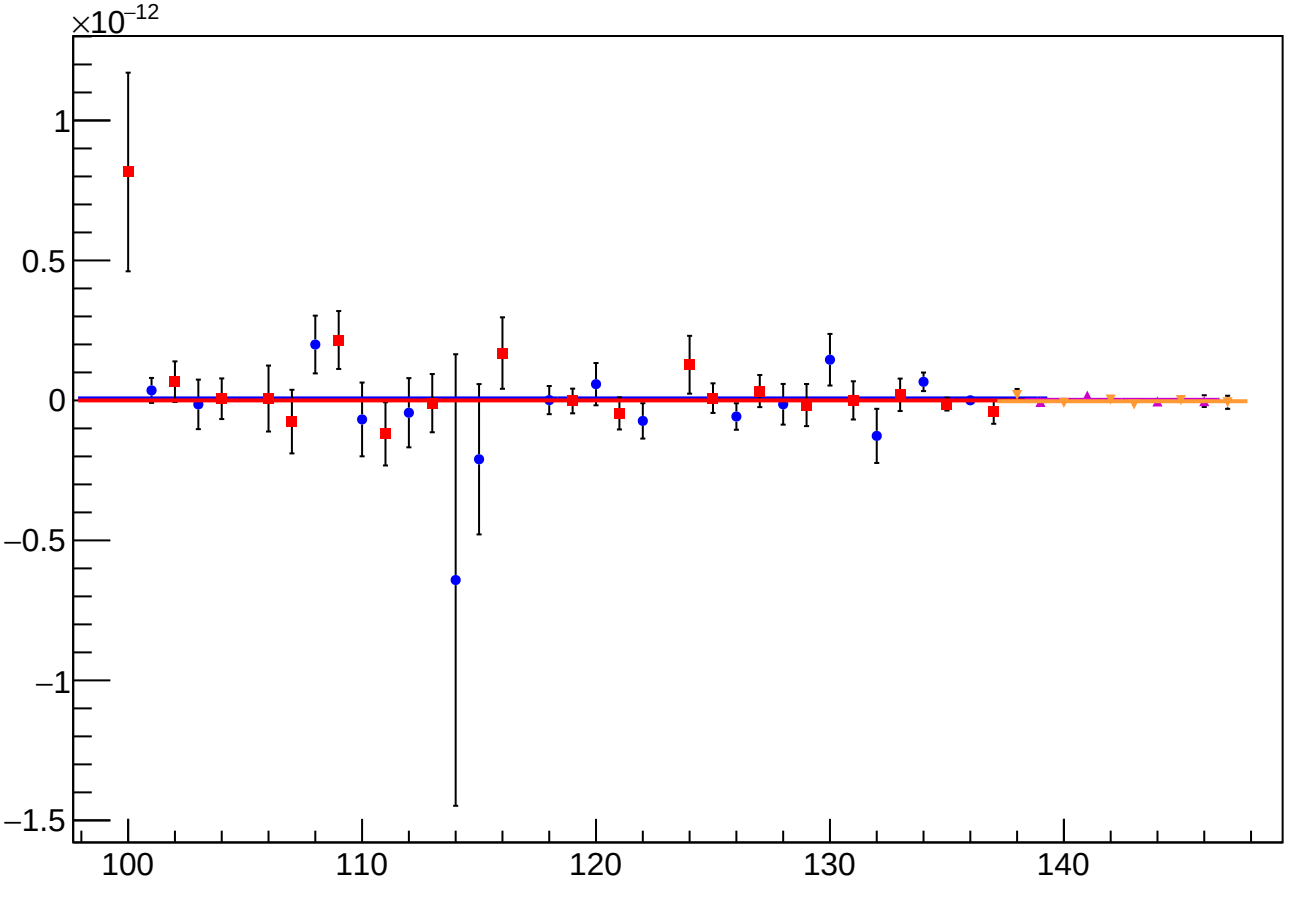
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 446.179+/-0.170 χ^2/NDF:43463.6/3

+ sign 556.201+/-0.121 χ^2/NDF: 2176259.8/21

All: 560.801+/-0.088 χ^2/NDF: 4373954.5/44

- sign 565.954+/-0.128 χ^2/NDF: 2194616.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/5

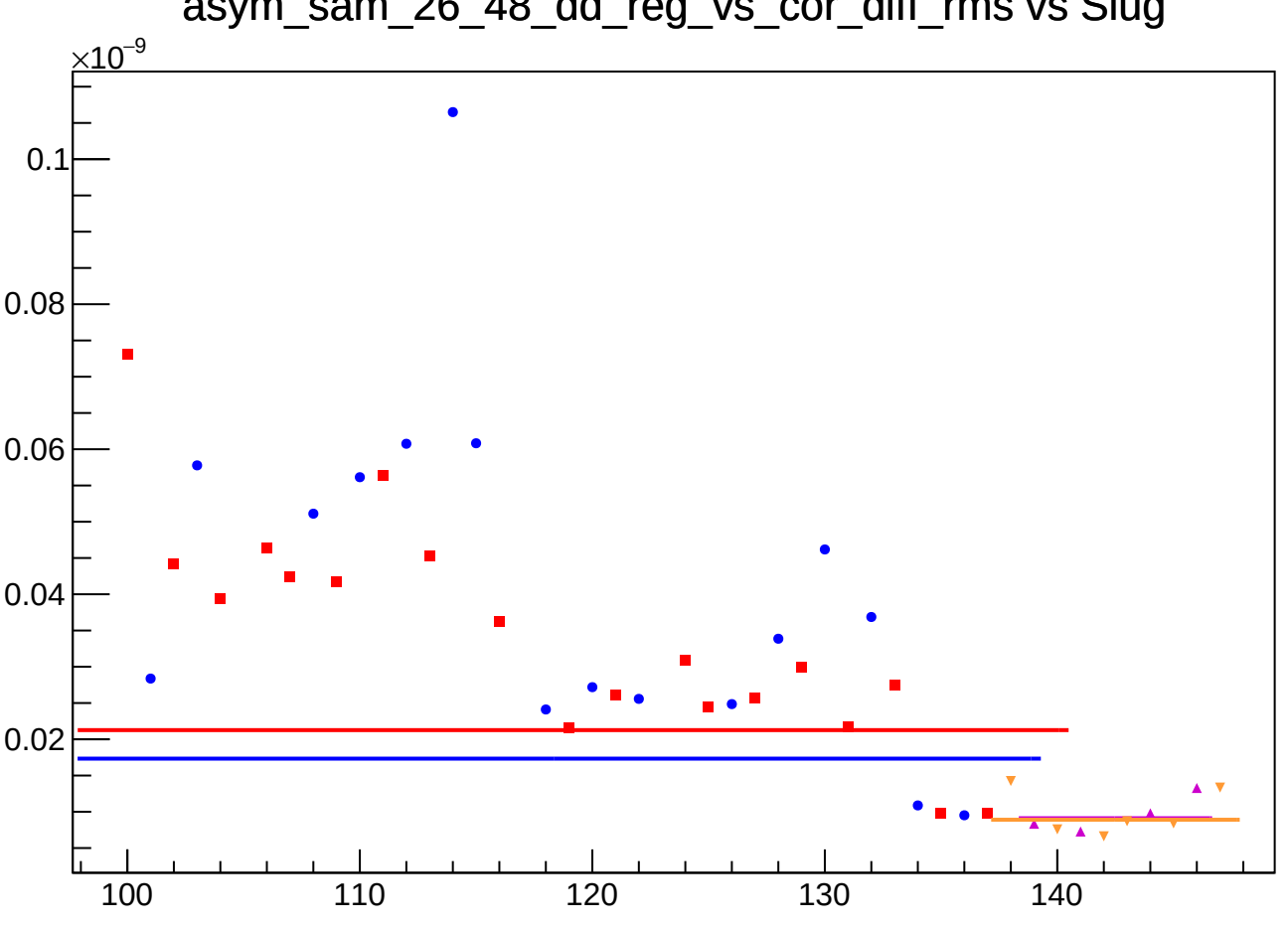
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/21

All: 0.000+/-0.000 χ^2/NDF: 39.5/44

- sign 0.000+/-0.000 χ^2/NDF: 19.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:249399.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

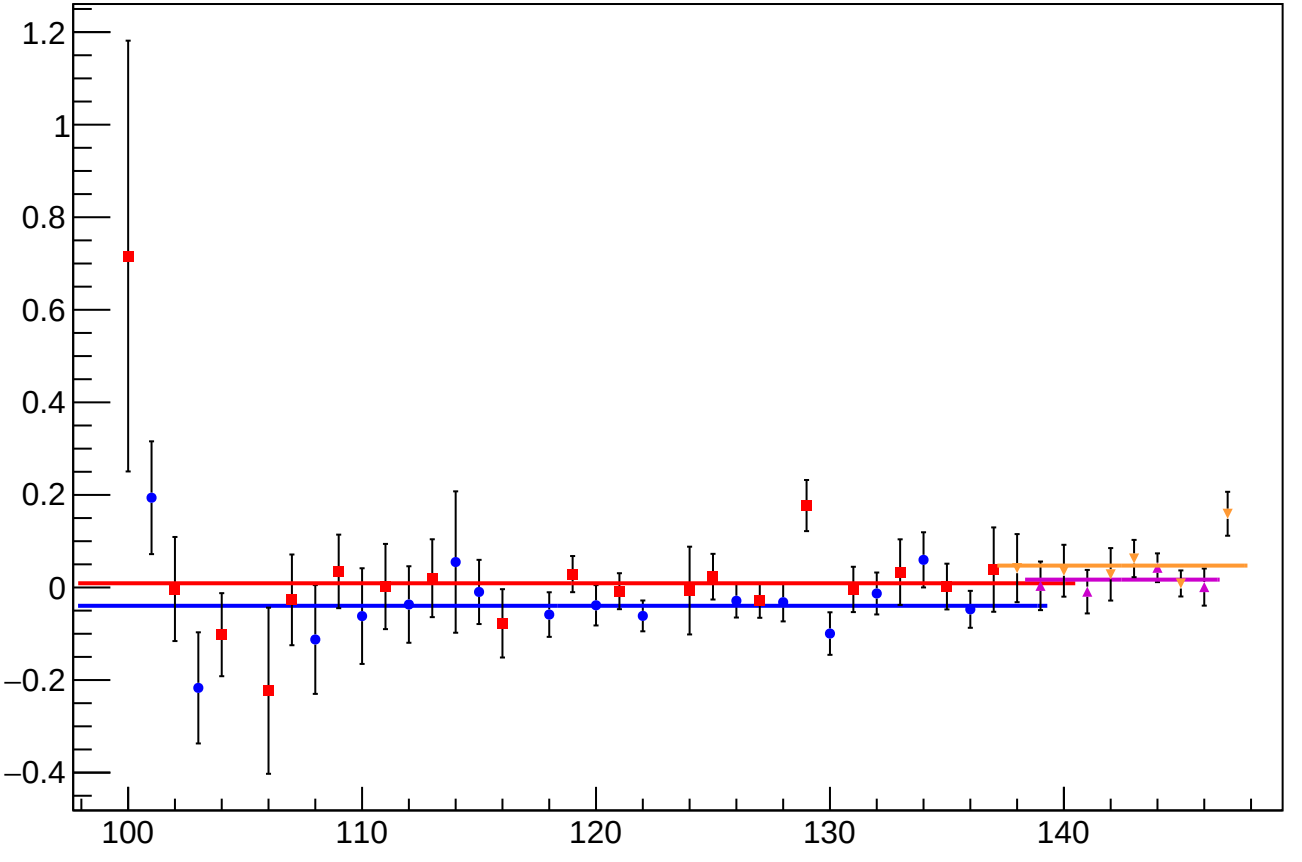
Left In: 0.000+/-0.000 χ^2/NDF:123137.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3430736.4/21

All: 0.000+/-0.000 χ^2/NDF: 6498731.8/44

- sign 0.000+/-0.000 χ^2/NDF: 3035141.4/22

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: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

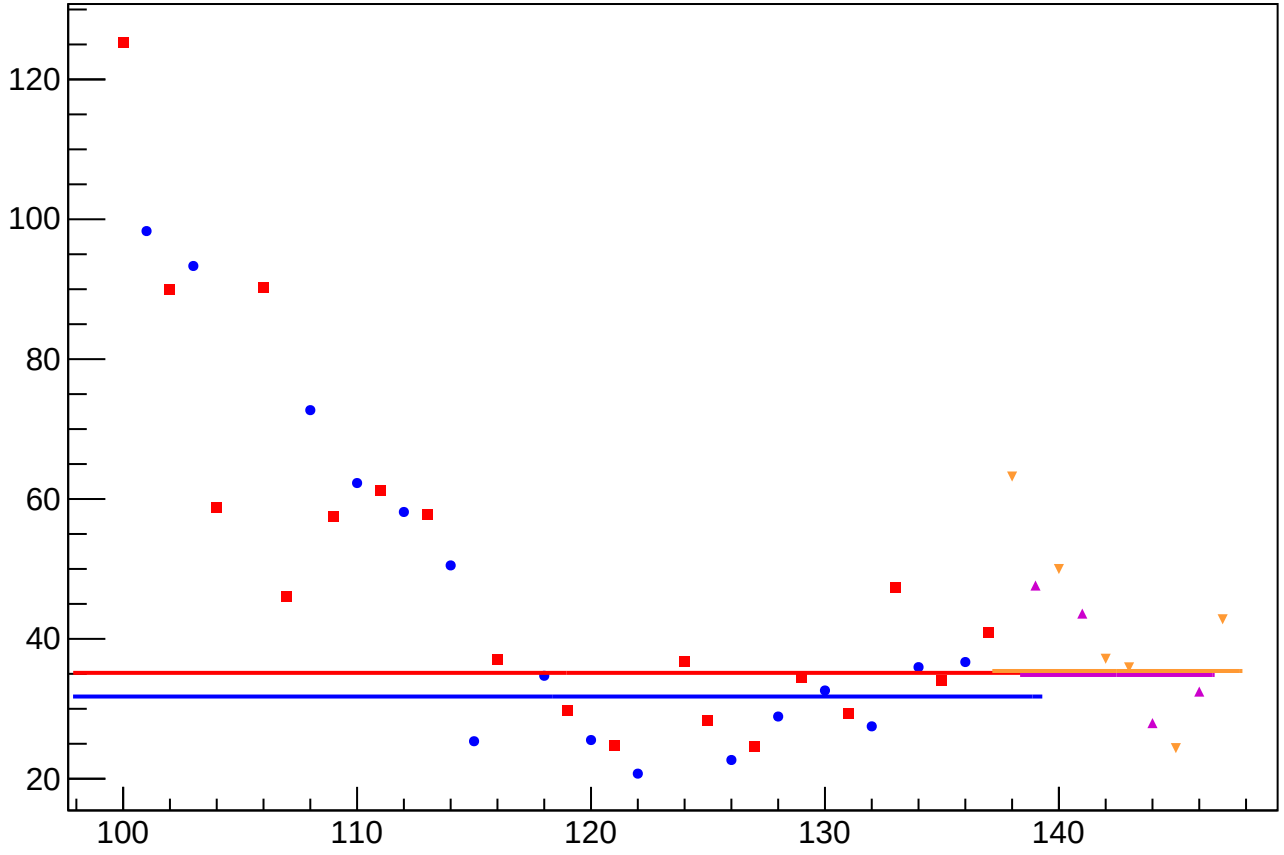
Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.000+/-0.008 χ^2/NDF: 56.8/44

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

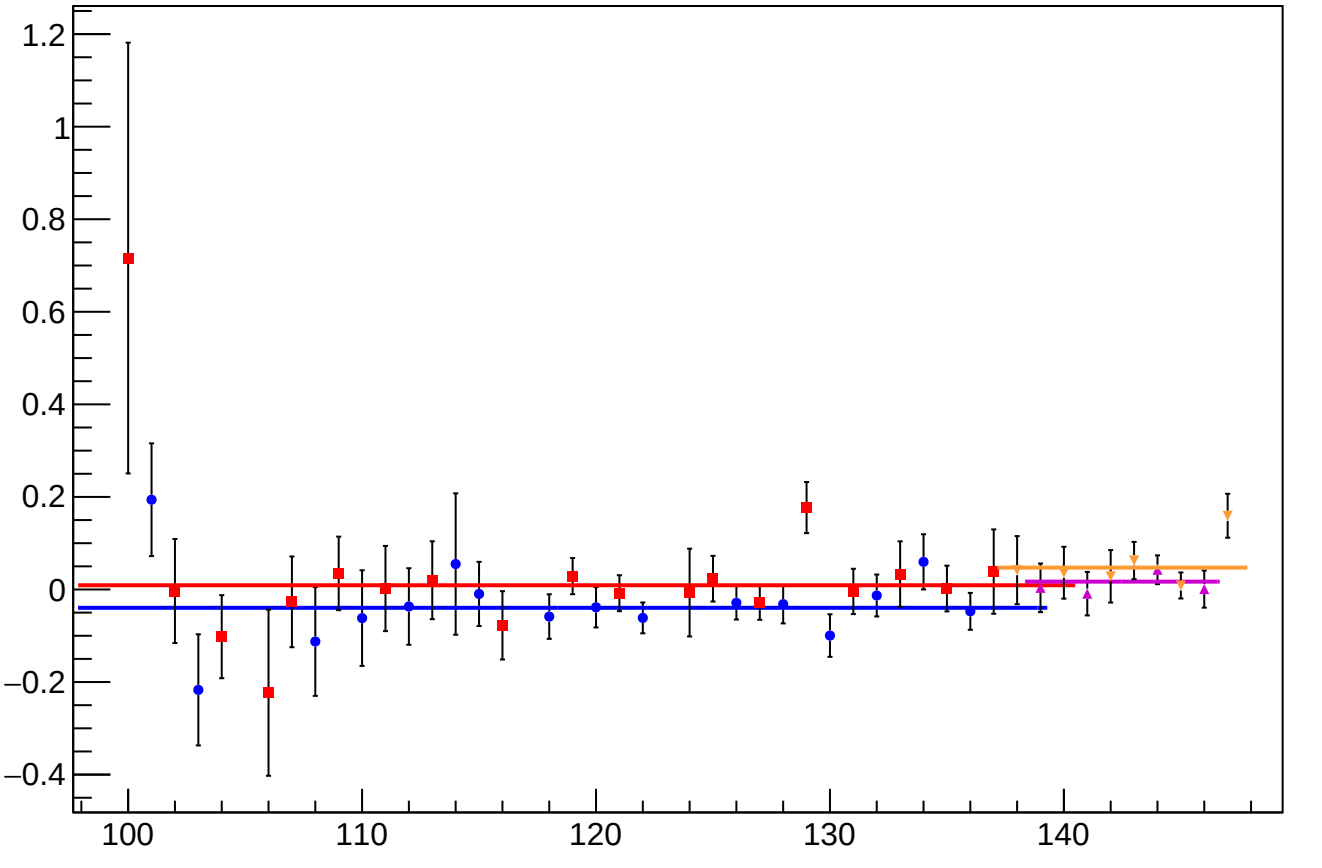
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

+ sign 33.041+/-0.007 χ^2/NDF: 3085214.6/21

All: 33.952+/-0.006 χ^2/NDF: 5256127.8/44

- sign 35.040+/-0.008 χ^2/NDF: 2138483.3/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

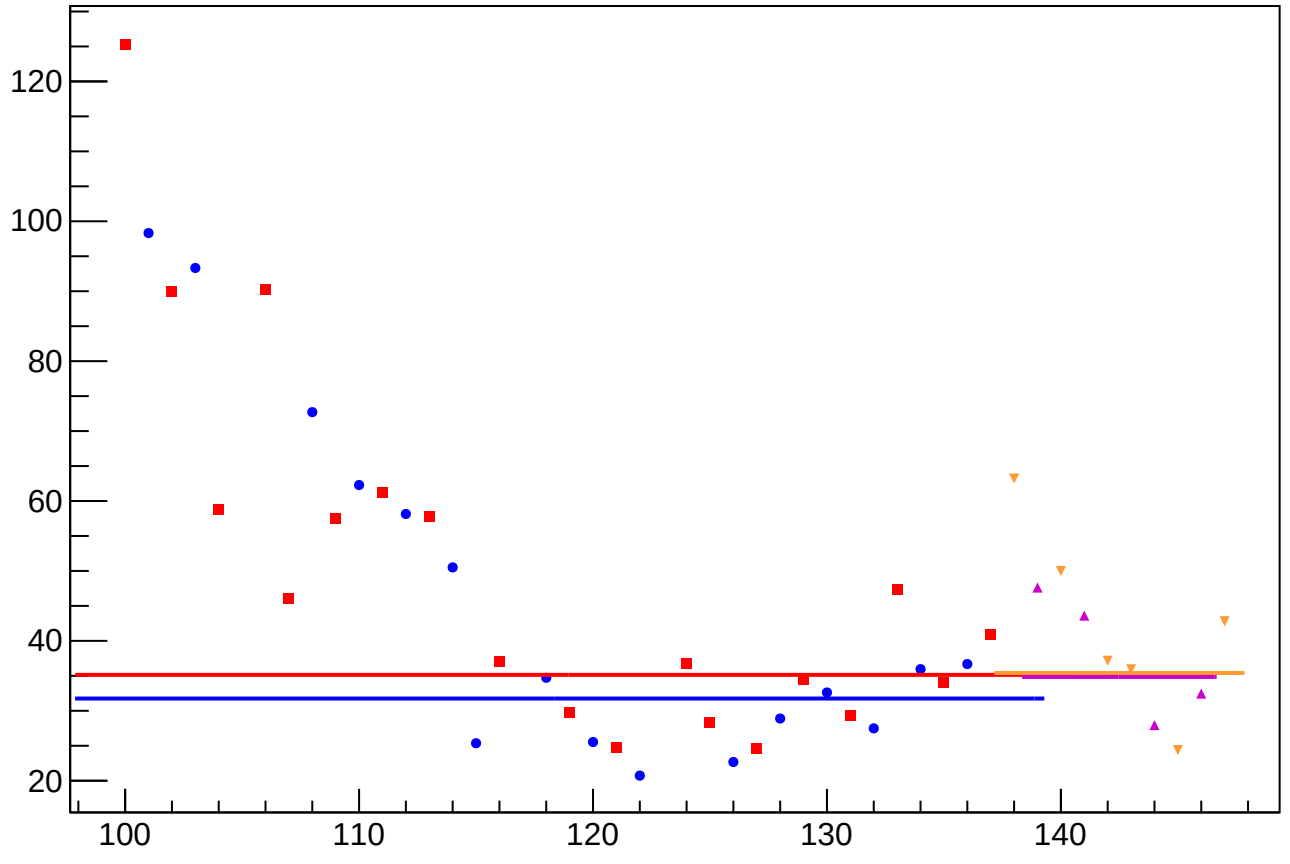
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.000+/-0.008 χ^2/NDF: 56.8/44

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

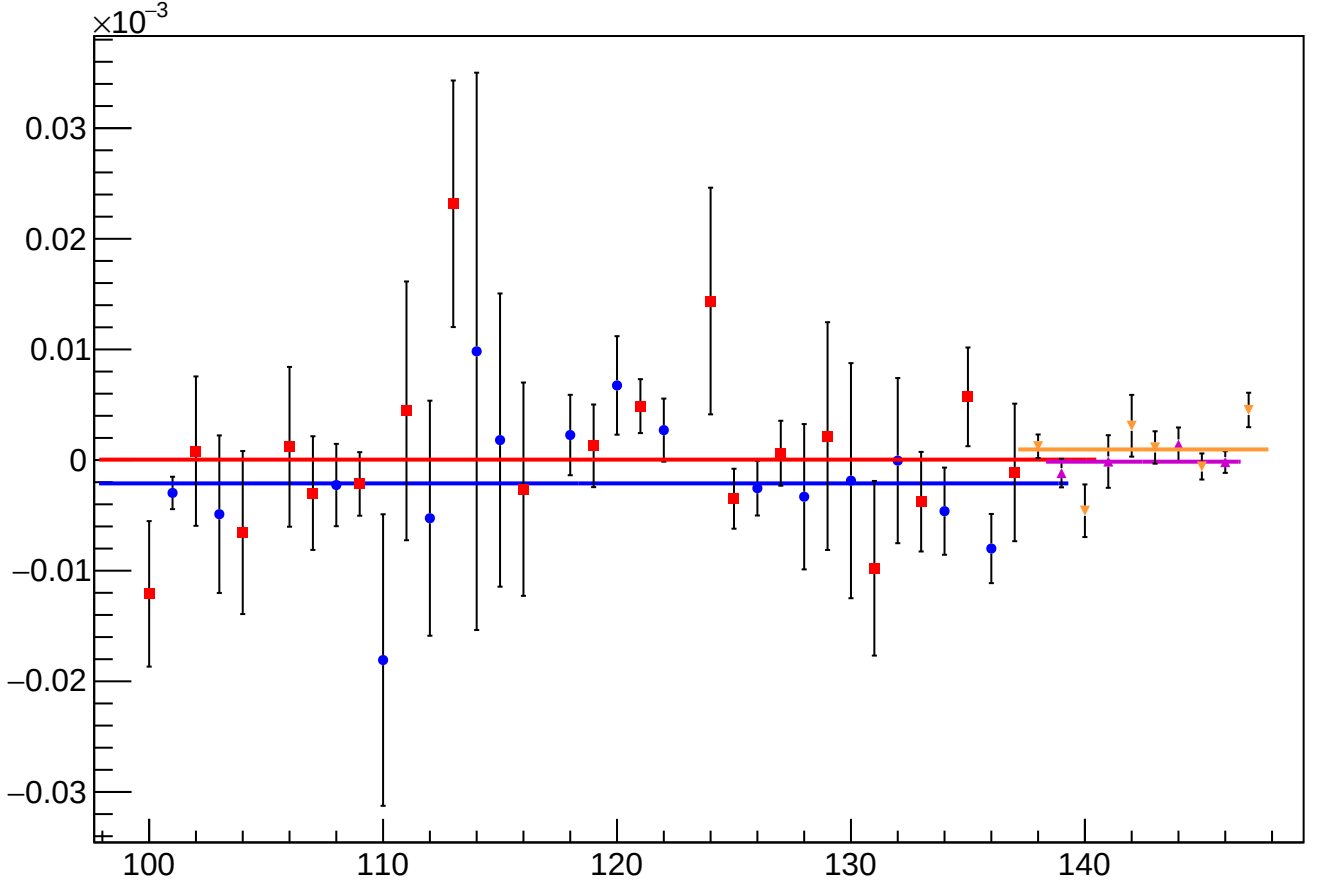
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

+ sign 33.041+/-0.007 χ^2/NDF: 3085214.6/21

All: 33.952+/-0.006 χ^2/NDF: 5256127.8/44

- sign 35.040+/-0.008 χ^2/NDF: 2138483.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/5

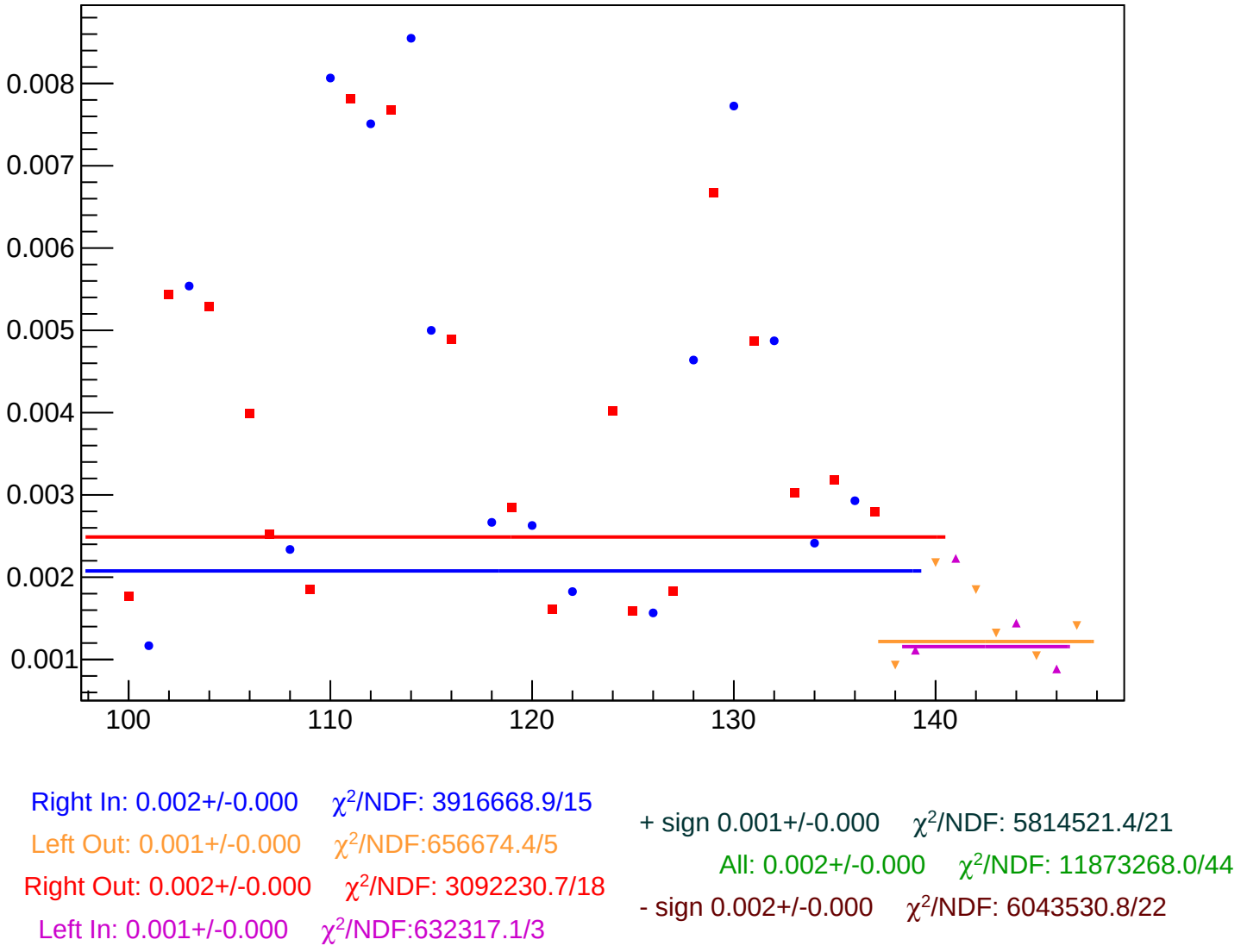
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

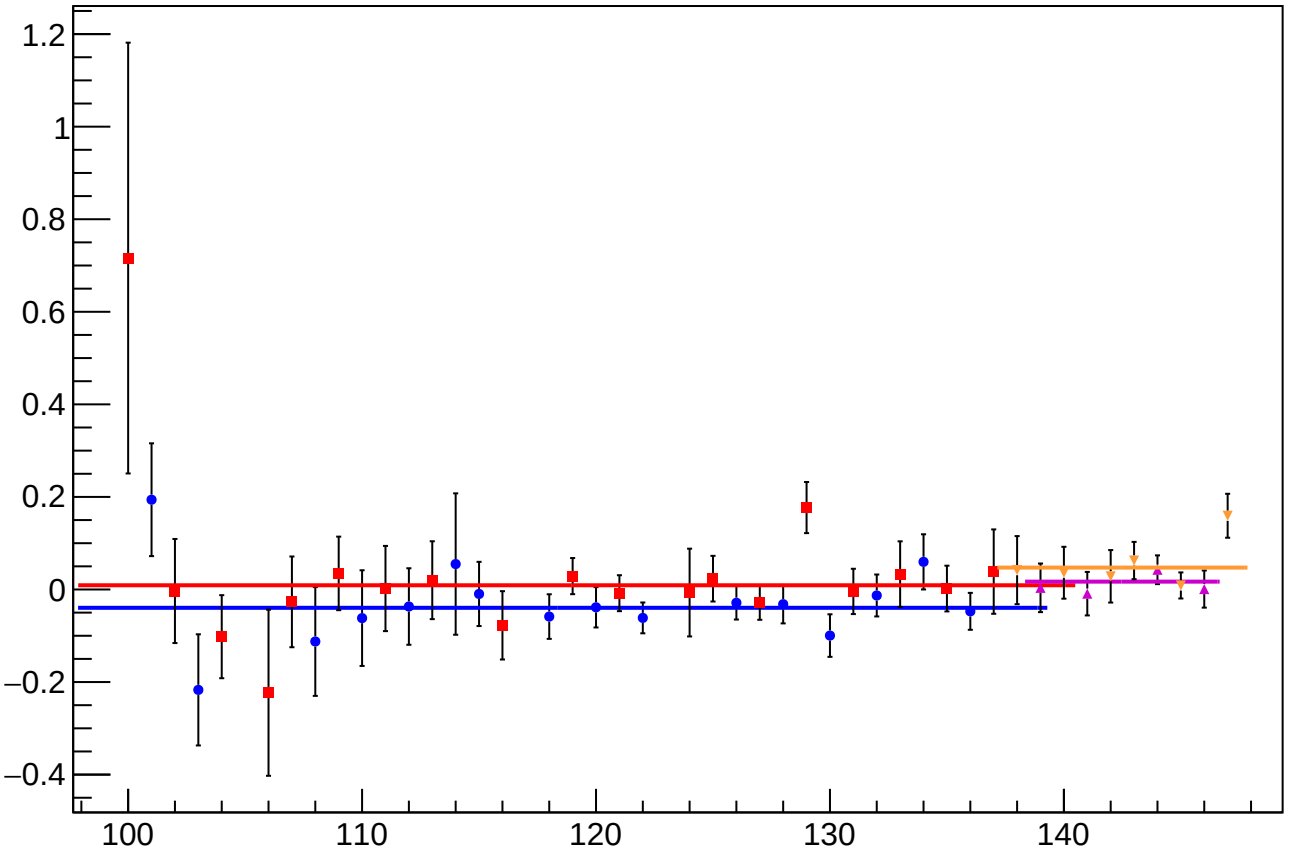
Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/21

All: -0.000+/-0.000 χ^2/NDF: 58.8/44

- sign -0.000+/-0.000 χ^2/NDF: 23.1/22


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:656674.4/5
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:632317.1/3
+ sign 0.001+/-0.000 χ²/NDF: 5814521.4/21
All: 0.002+/-0.000 χ²/NDF: 11873268.0/44
- sign 0.002+/-0.000 χ²/NDF: 6043530.8/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

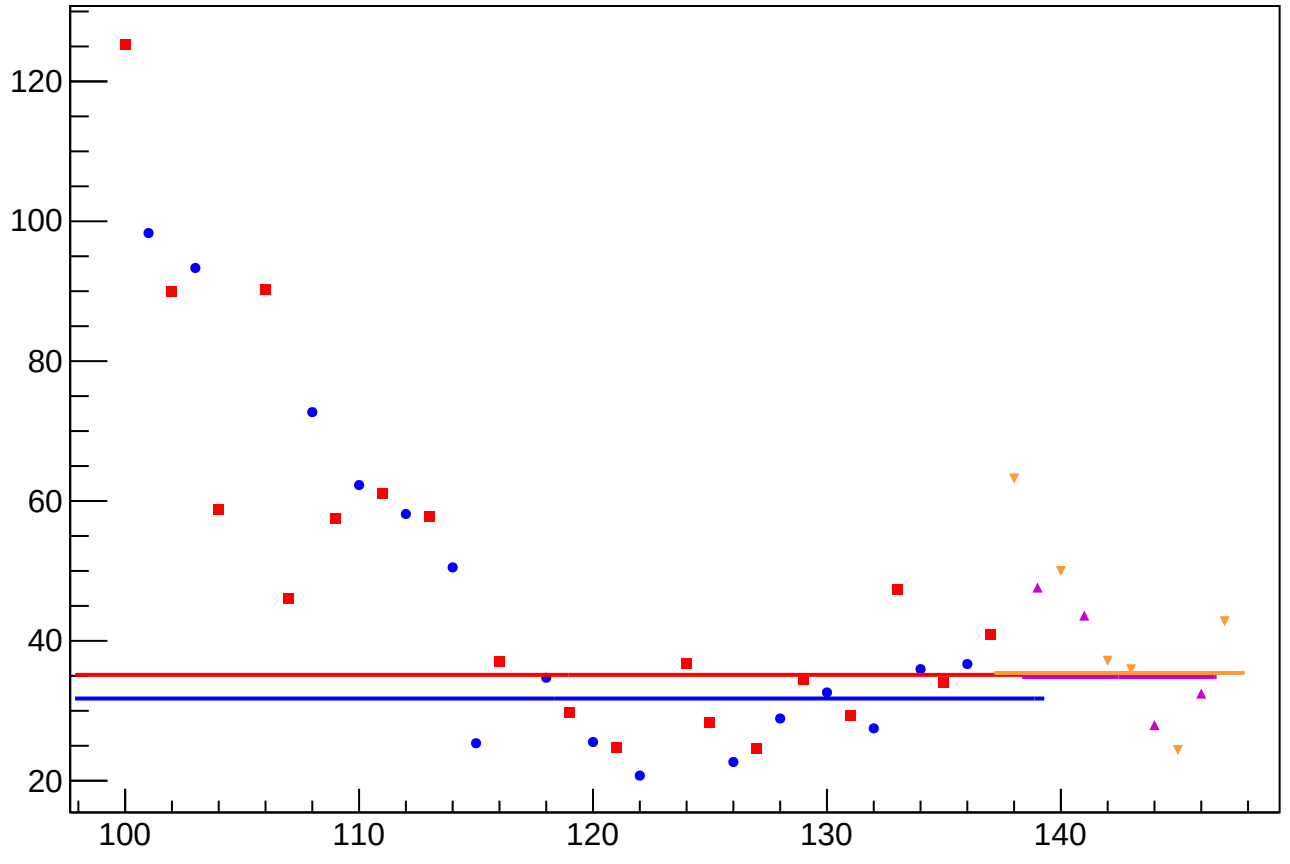
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.000+/-0.008 χ^2/NDF: 56.8/44

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

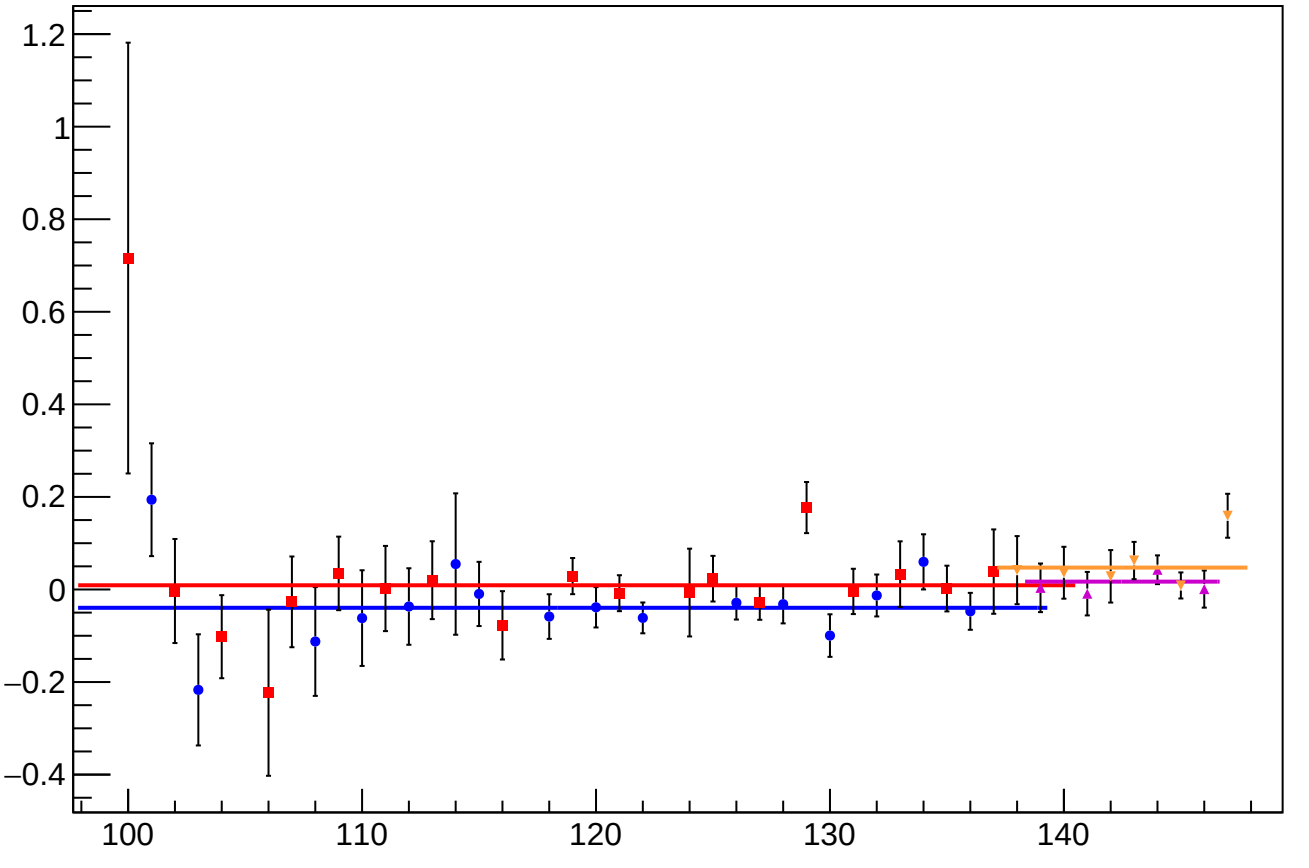
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

+ sign 33.041+/-0.007 χ^2/NDF: 3085226.1/21

All: 33.952+/-0.006 χ^2/NDF: 5256048.8/44

- sign 35.040+/-0.008 χ^2/NDF: 2138389.5/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

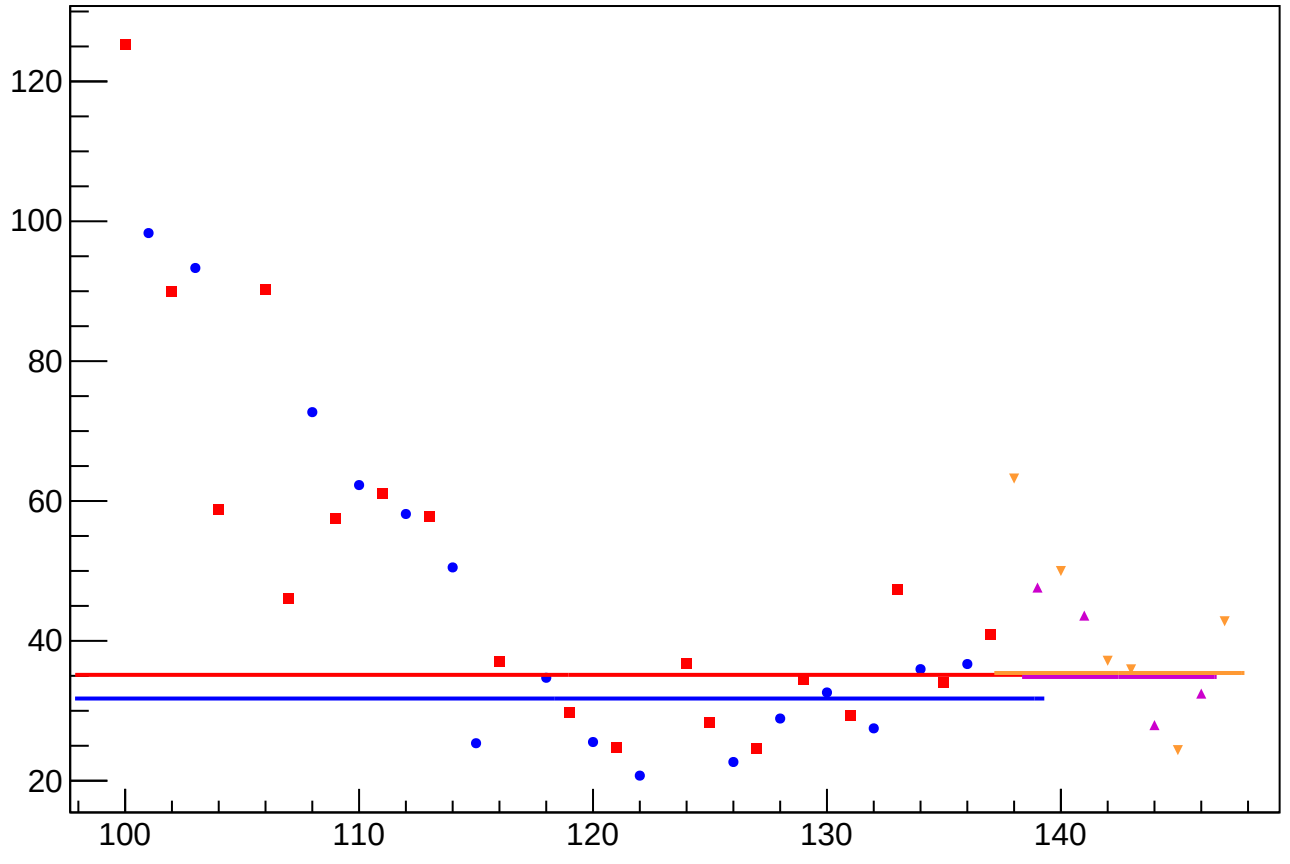
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.000+/-0.008 χ^2/NDF: 56.8/44

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

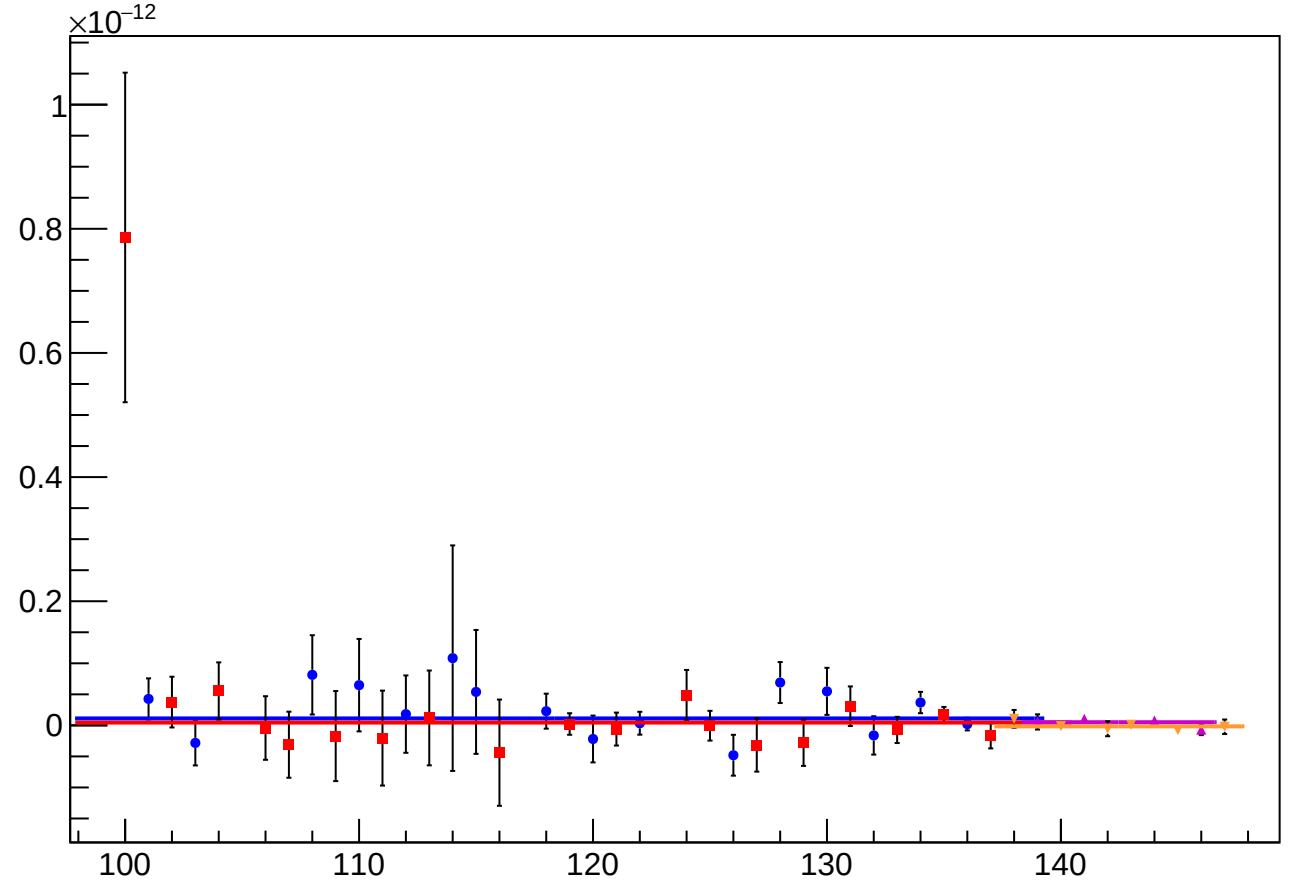
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

+ sign 33.041+/-0.007 χ^2/NDF: 3085226.1/21

All: 33.952+/-0.006 χ^2/NDF: 5256048.8/44

- sign 35.040+/-0.008 χ^2/NDF: 2138389.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

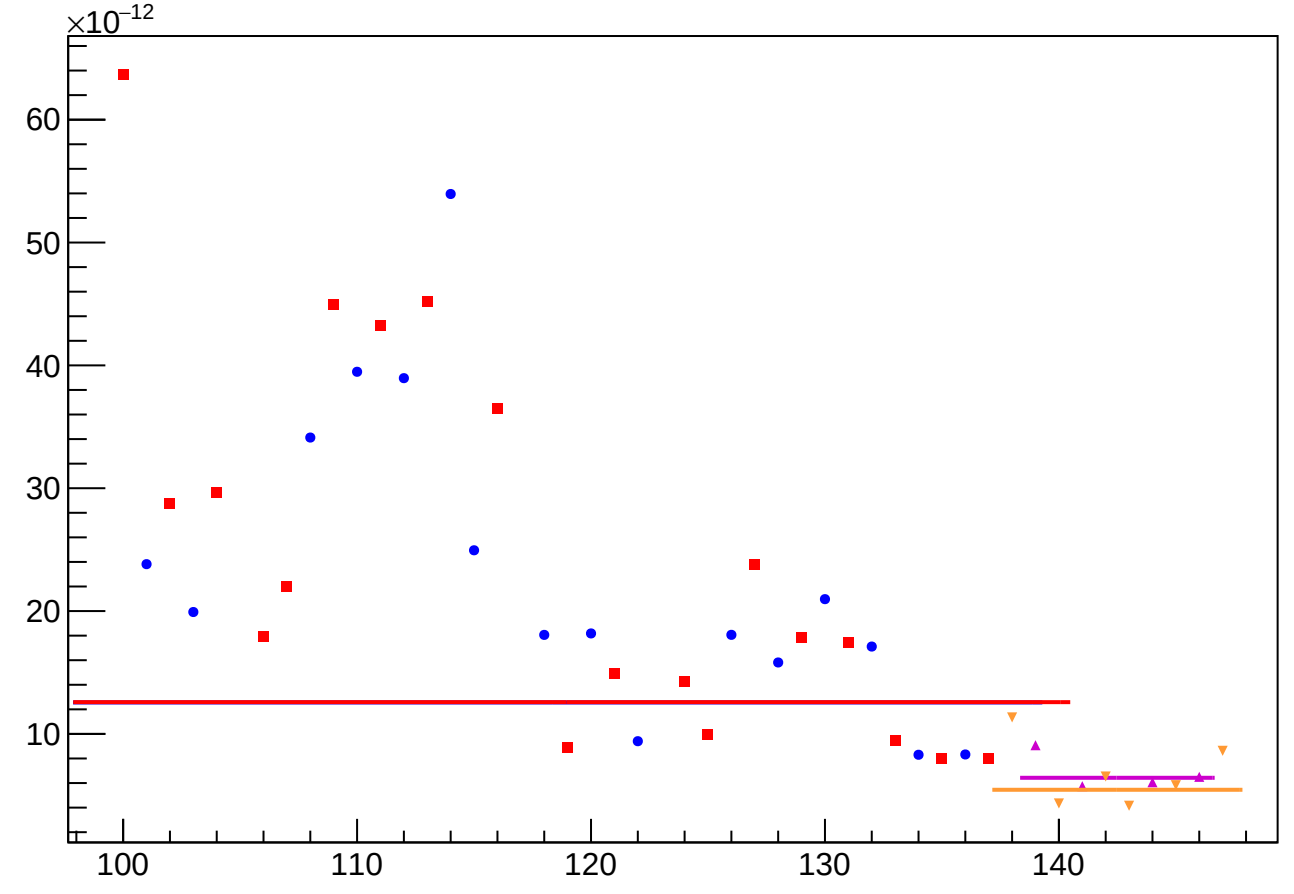
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 42.2/44

- sign 0.000+/-0.000 χ^2/NDF: 20.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:659553.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

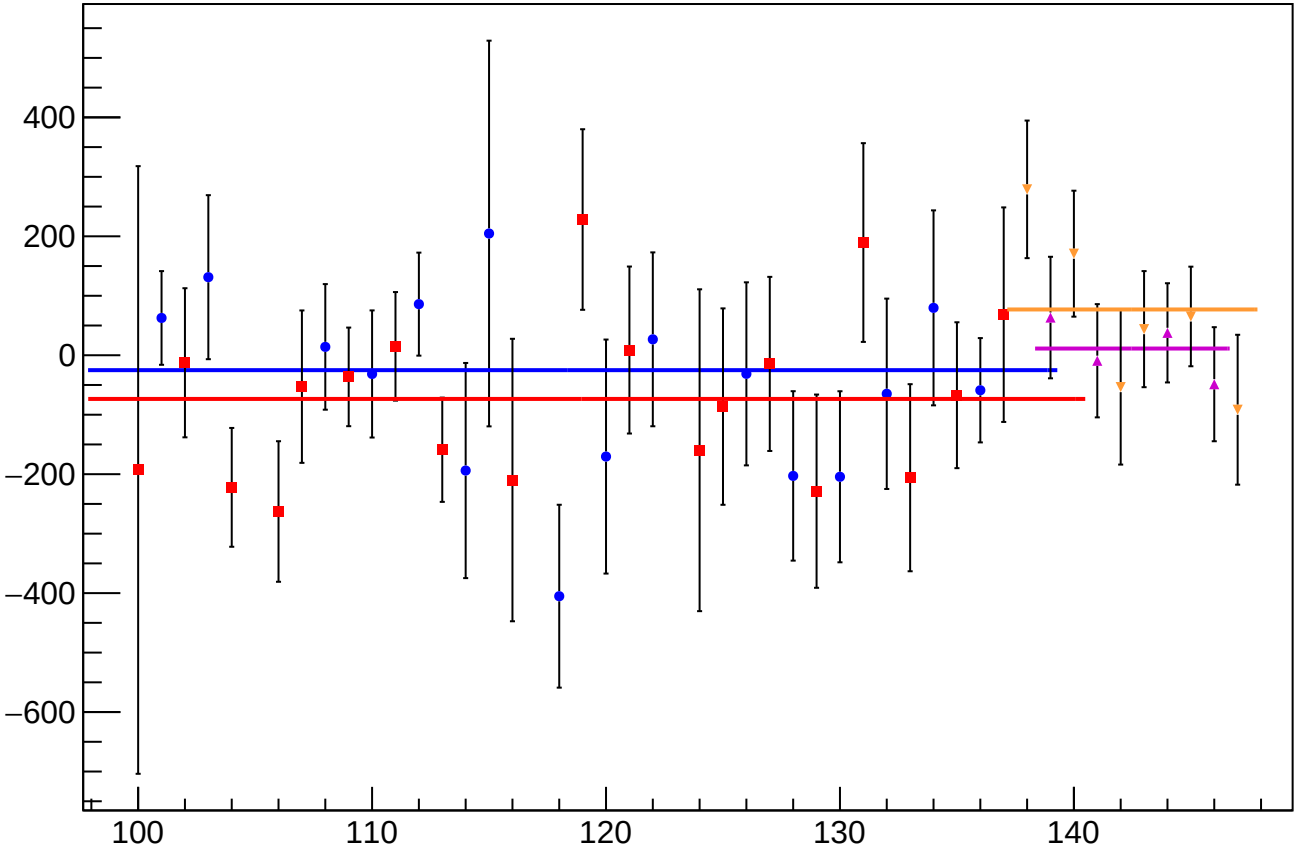
Left In: 0.000+/-0.000 χ^2/NDF:115771.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 4746598.8/21

All: 0.000+/-0.000 χ^2/NDF: 8976445.9/44

- sign 0.000+/-0.000 χ^2/NDF: 4078713.3/22

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.981+/-43.303 χ^2/NDF:6.8/5

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

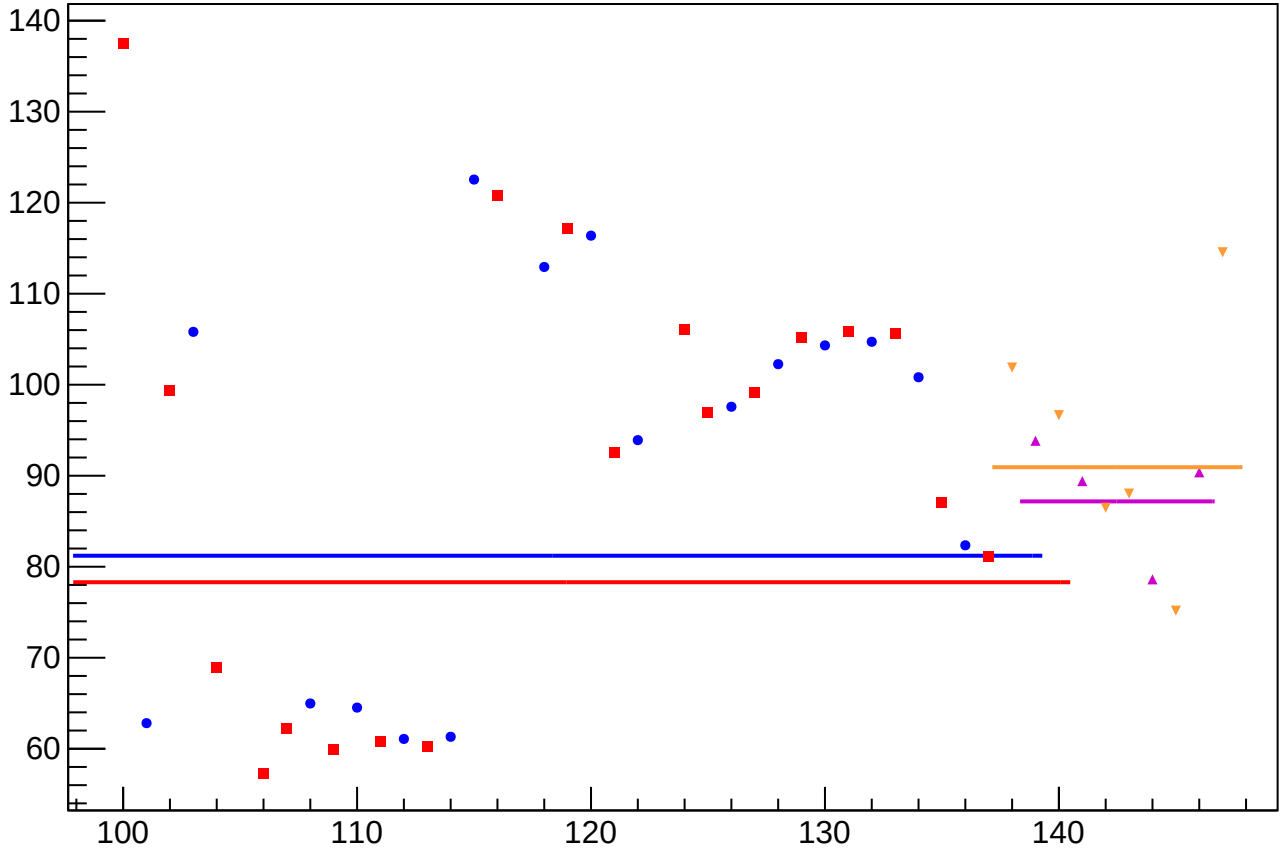
Left In: 11.273+/-46.699 χ^2/NDF:0.8/3

+ sign 9.846+/-25.330 χ^2/NDF: 26.6/21

All: -19.616+/-17.865 χ^2/NDF: 49.2/44

- sign -48.781+/-25.202 χ^2/NDF: 19.9/22

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.3/5

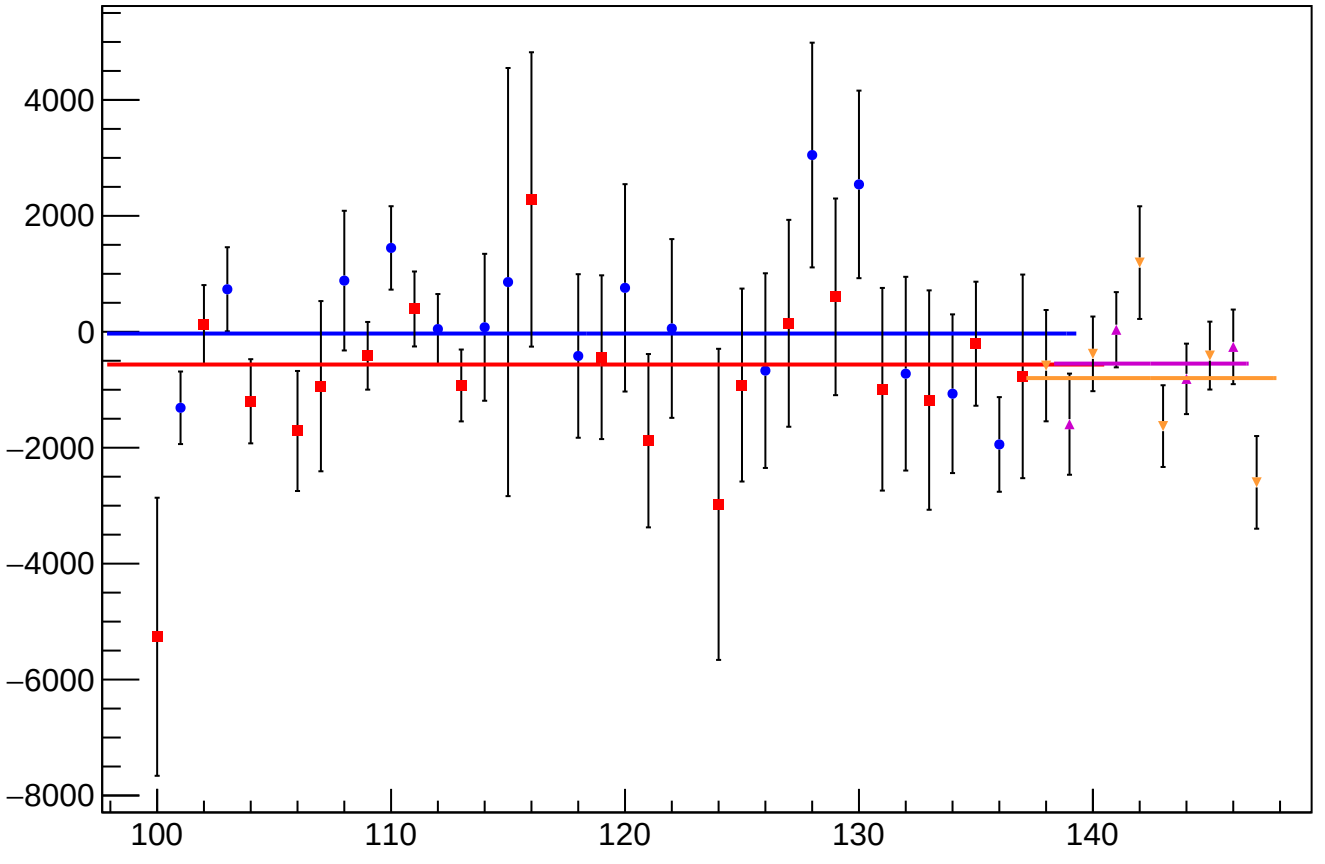
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 84.538+/-0.018 χ^2/NDF: 1023006.9/21

All: 82.702+/-0.013 χ^2/NDF: 2062767.6/44

- sign 80.884+/-0.018 χ^2/NDF: 1018852.1/22



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -798.902+/-300.868 χ^2/NDF:11.6/5

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

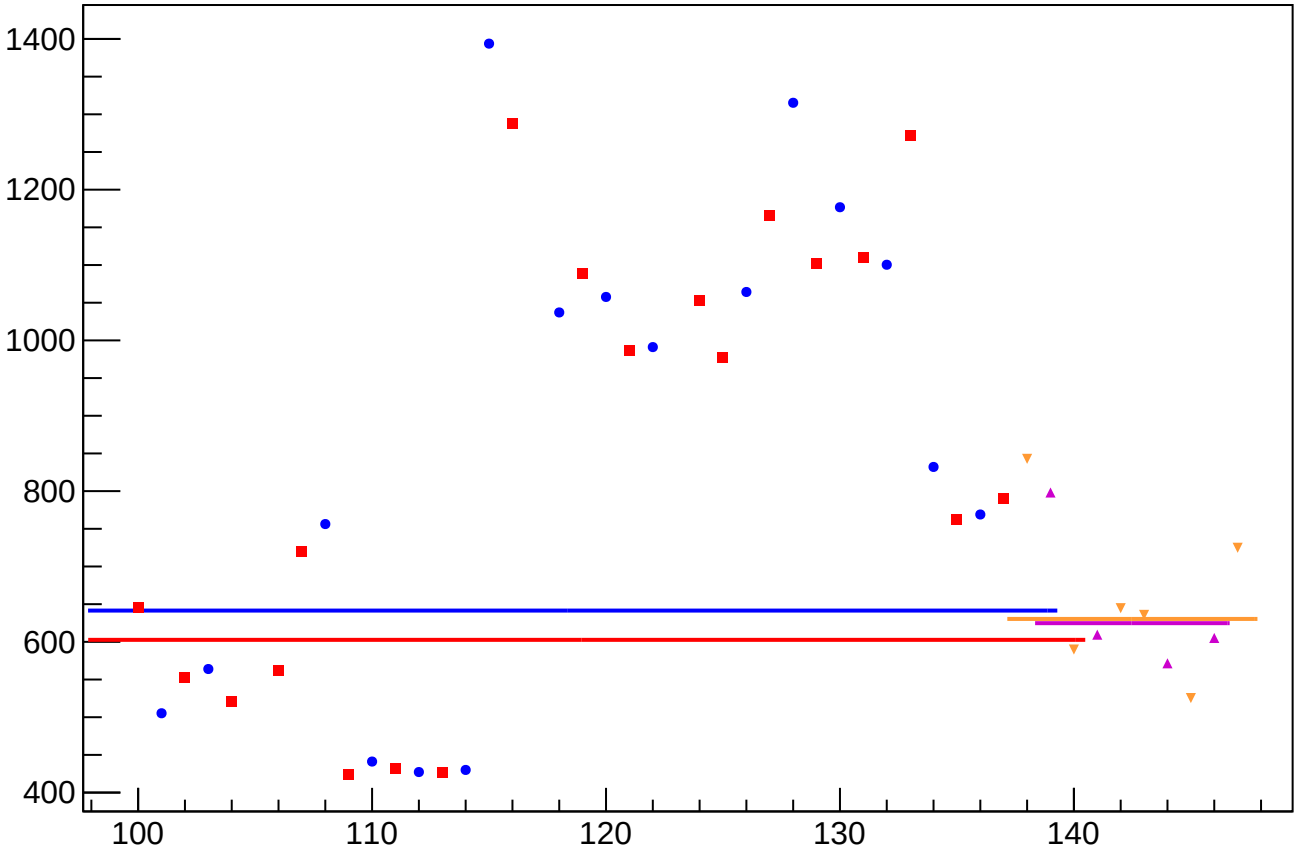
Left In: -549.045+/-336.940 χ^2/NDF:2.6/3

+ sign -354.593+/-195.413 χ^2/NDF: 37.2/21

All: -457.492+/-137.912 χ^2/NDF: 53.7/44

- sign -559.601+/-194.663 χ^2/NDF: 15.9/22

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 630.410+/-0.213 χ^2/NDF:198590.0/5

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

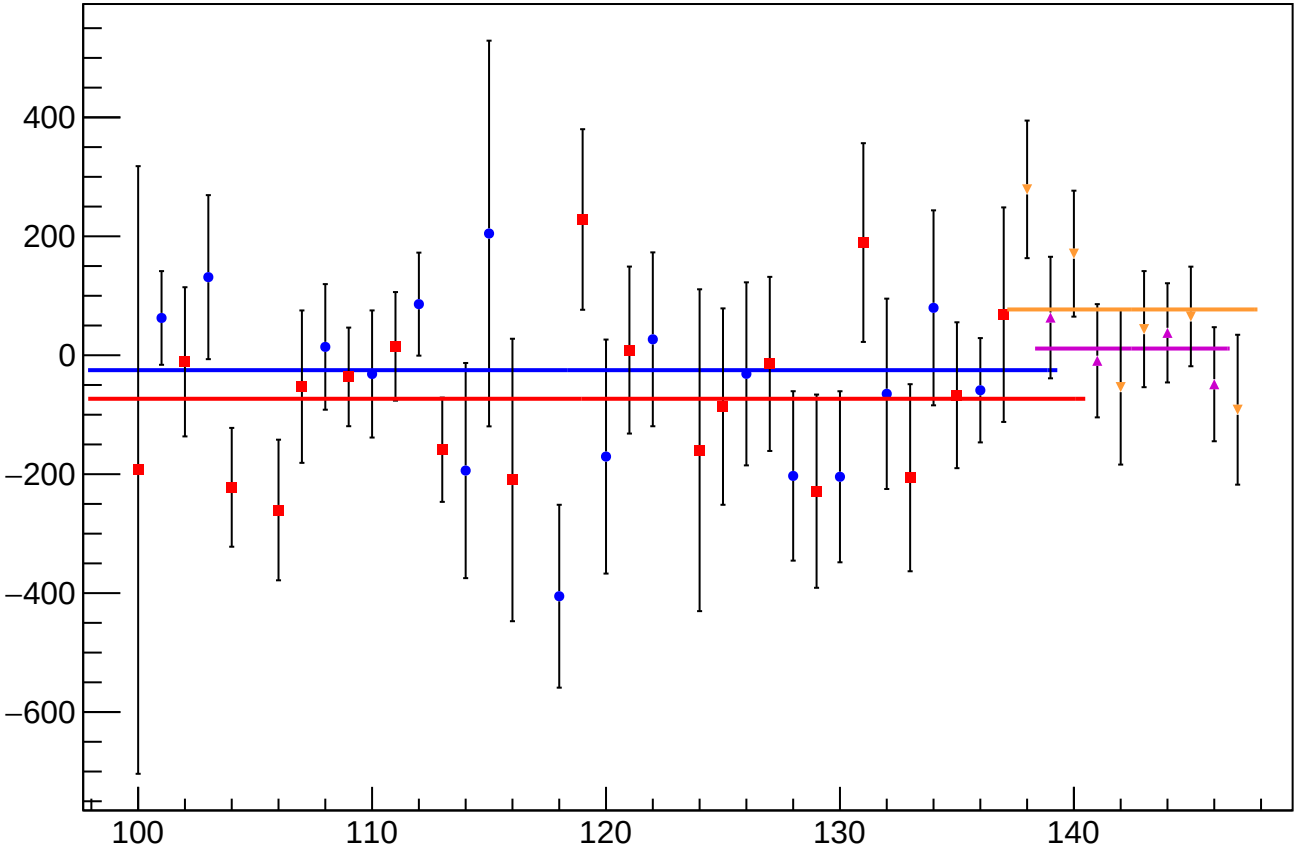
Left In: 624.791+/-0.238 χ^2/NDF:97269.6/3

+ sign 636.821+/-0.138 χ^2/NDF: 2075151.4/21

All: 623.380+/-0.098 χ^2/NDF: 4267331.0/44

- sign 610.043+/-0.138 χ^2/NDF: 2173329.1/22

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

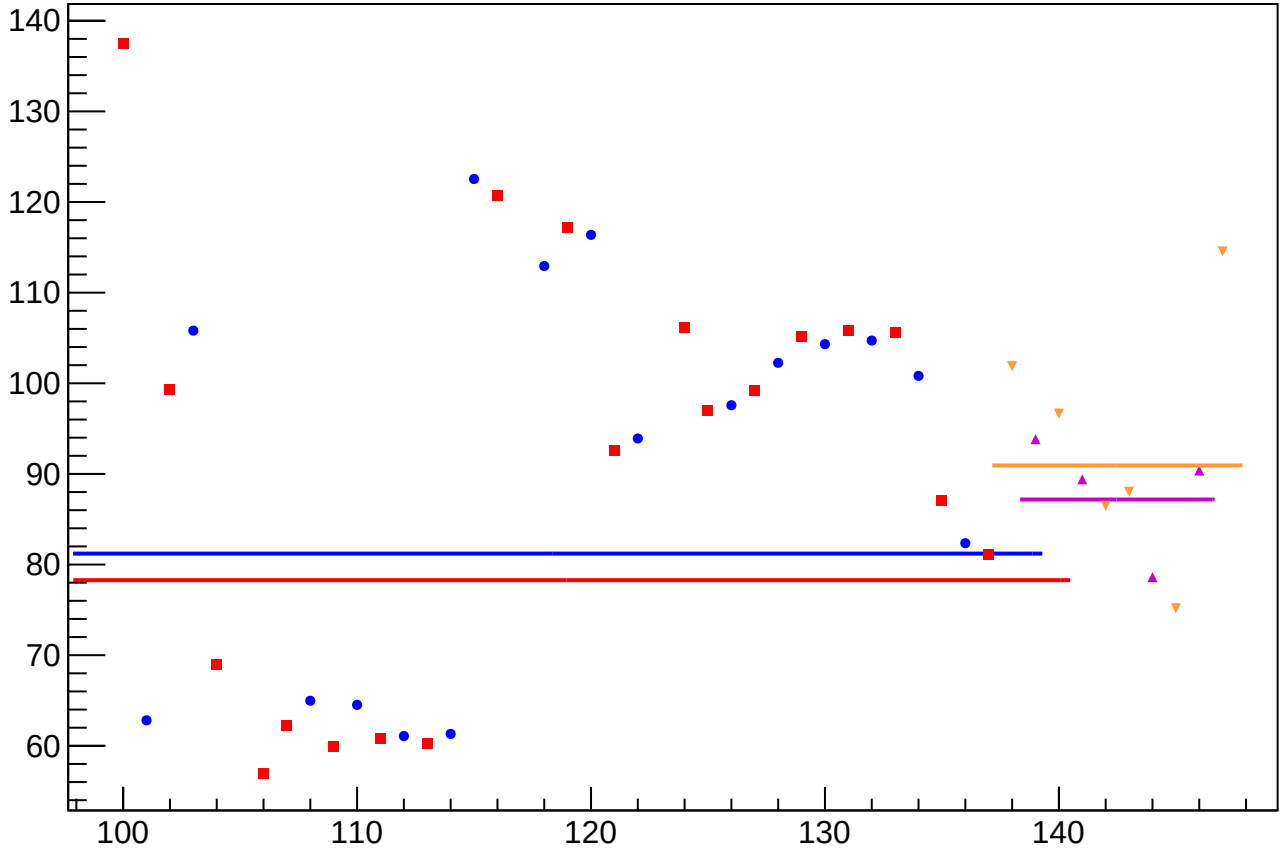
Left In: 11.265+/-46.699 χ^2/NDF:0.8/3

+ sign 9.849+/-25.330 χ^2/NDF: 26.6/21

All: -19.519+/-17.866 χ^2/NDF: 49.1/44

- sign -48.594+/-25.203 χ^2/NDF: 19.8/22

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

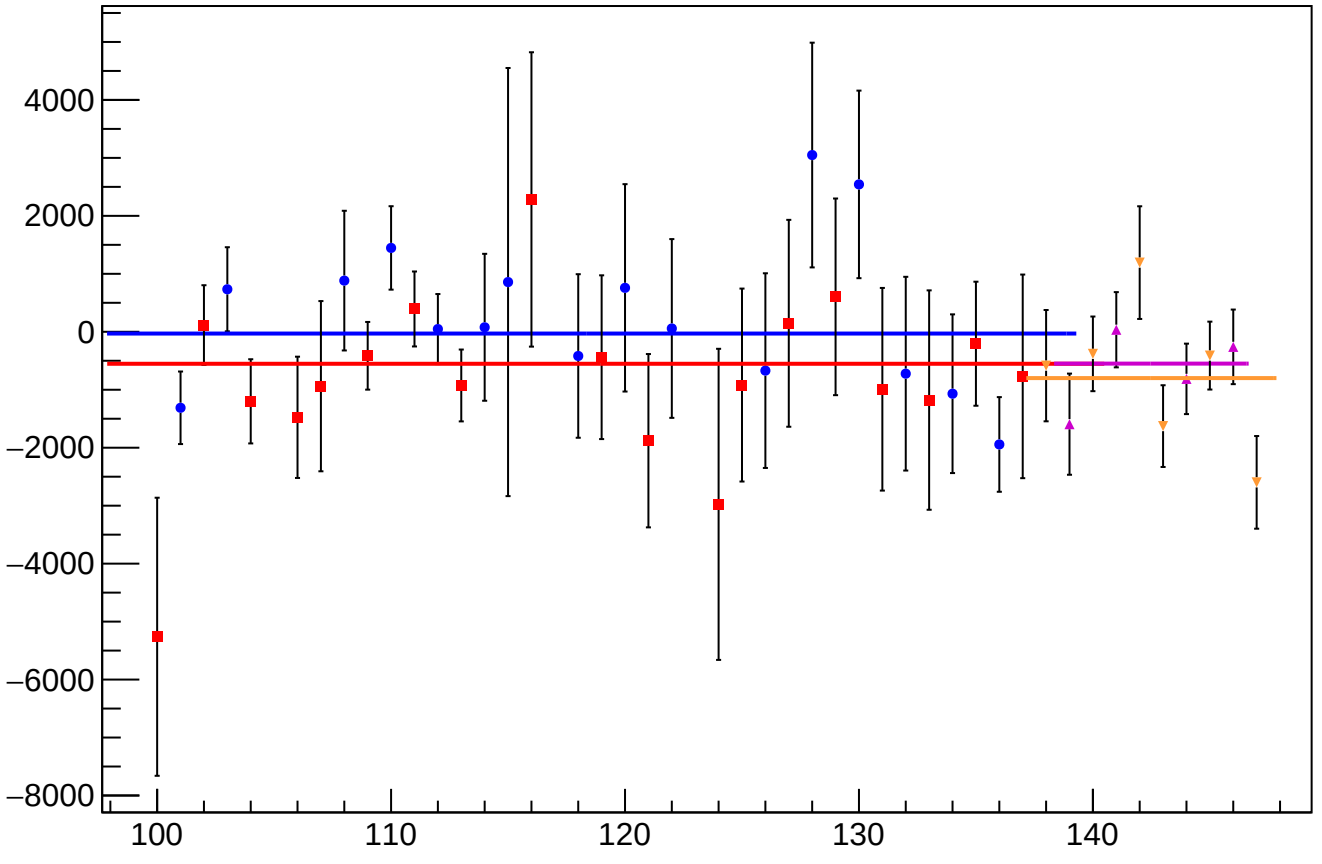
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 84.538+/-0.018 χ^2/NDF: 1023009.1/21

All: 82.695+/-0.013 χ^2/NDF: 2065269.8/44

- sign 80.871+/-0.018 χ^2/NDF: 1021204.1/22



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -798.886+/-300.868 χ^2/NDF:11.6/5

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

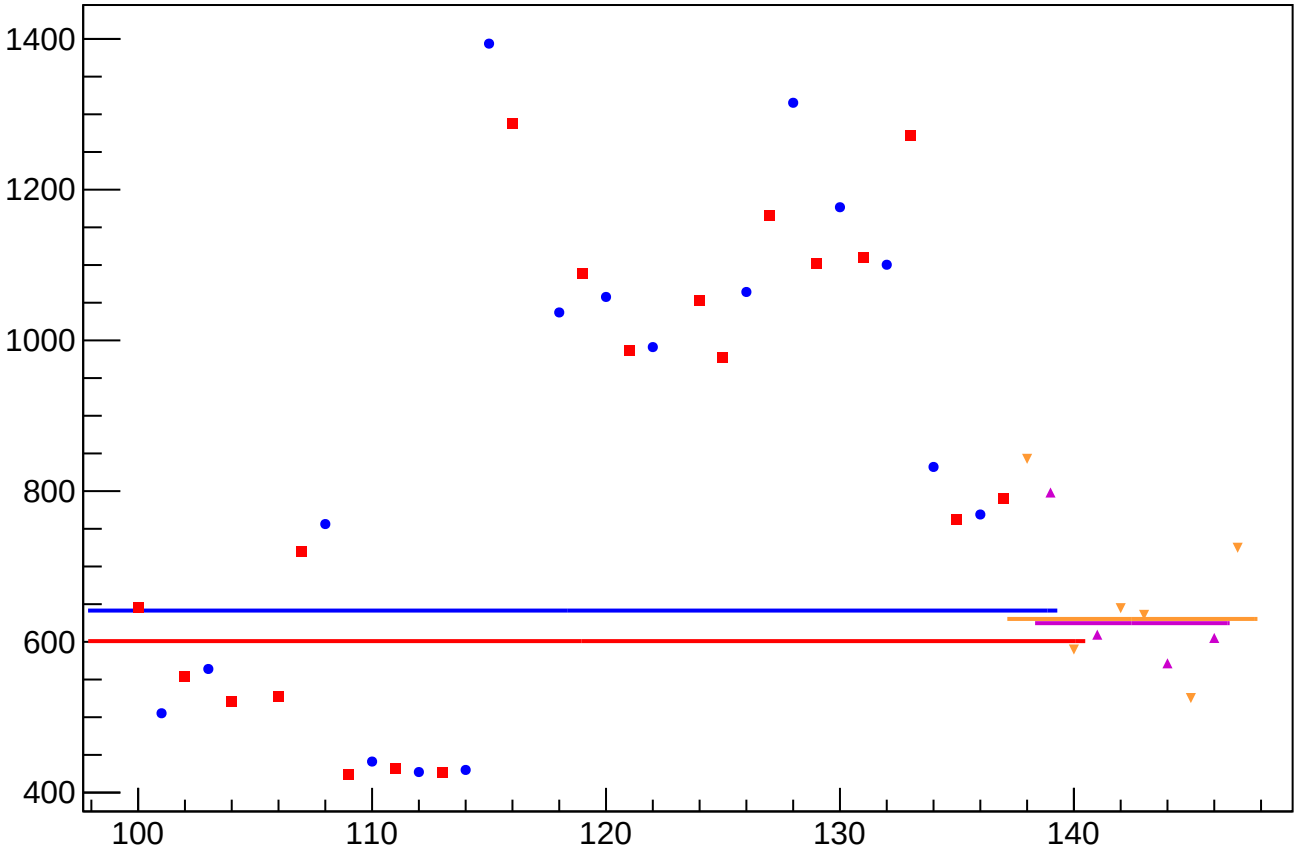
Left In: -549.053+/-336.941 χ^2/NDF:2.6/3

+ sign -354.607+/-195.414 χ^2/NDF: 37.2/21

All: -453.132+/-137.941 χ^2/NDF: 53.2/44

- sign -550.981+/-194.743 χ^2/NDF: 15.5/22

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

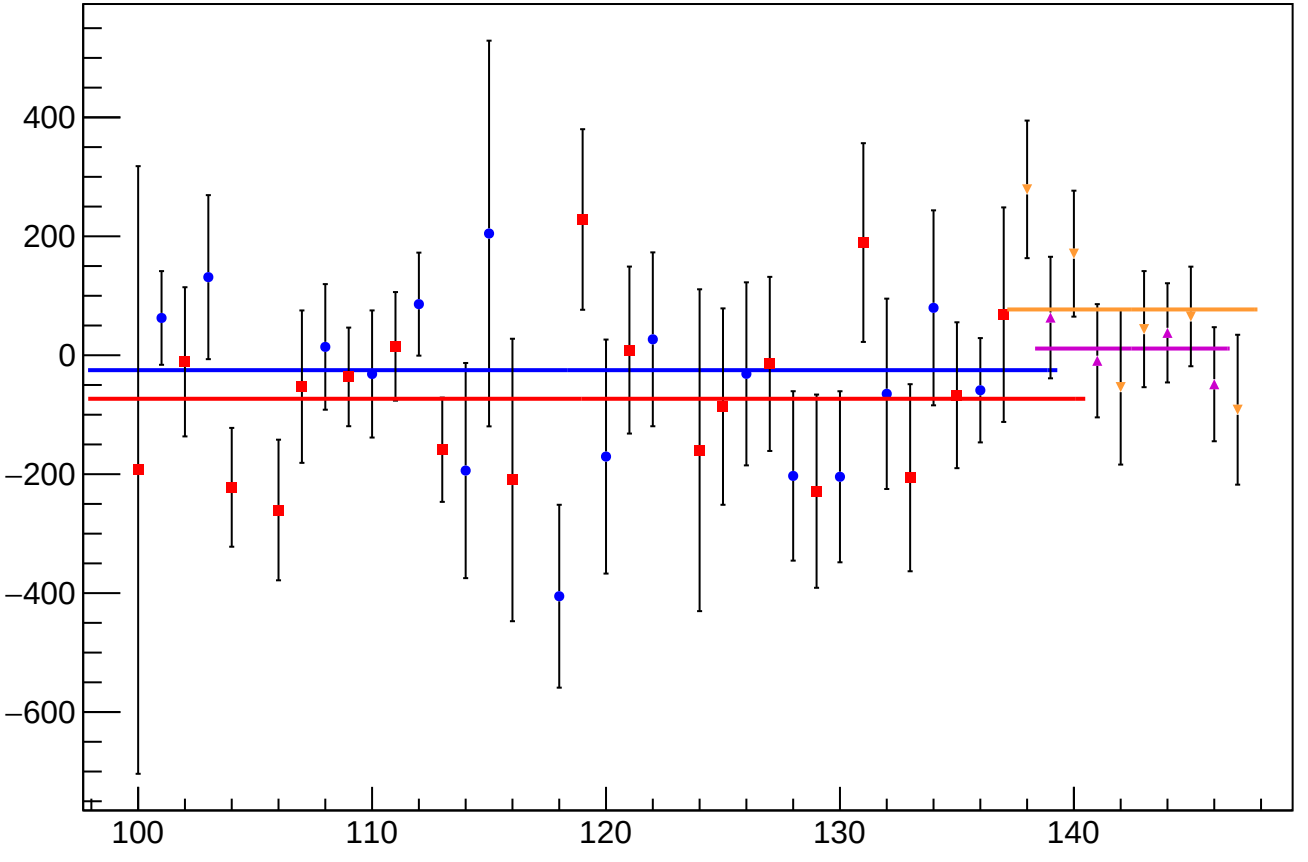
Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

+ sign 636.826+/-0.138 χ^2/NDF: 2075114.6/21

All: 622.831+/-0.098 χ^2/NDF: 4276716.4/44

- sign 608.931+/-0.138 χ^2/NDF: 2181155.5/22

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

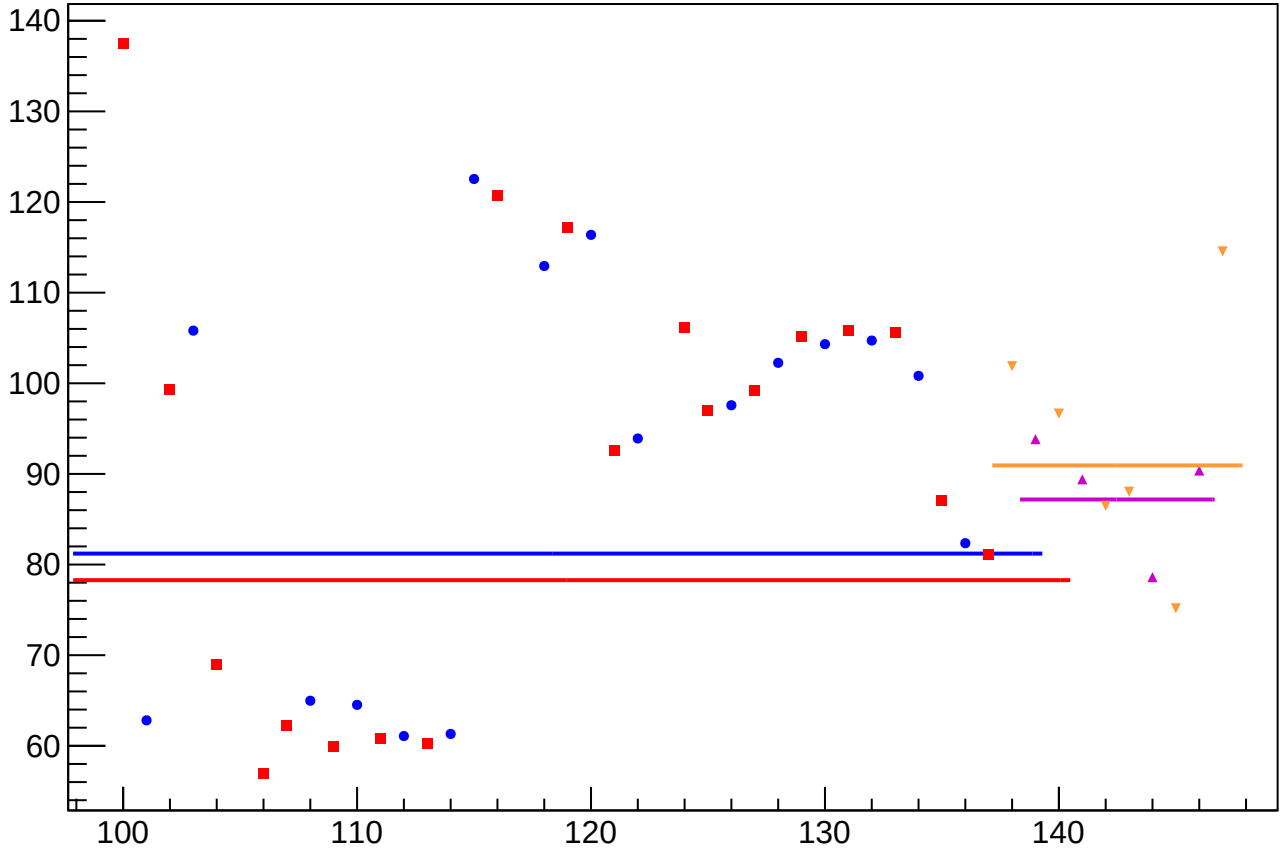
Left In: 11.265+/-46.699 χ^2/NDF:0.8/3

+ sign 9.849+/-25.330 χ^2/NDF: 26.6/21

All: -19.519+/-17.866 χ^2/NDF: 49.1/44

- sign -48.594+/-25.203 χ^2/NDF: 19.8/22

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

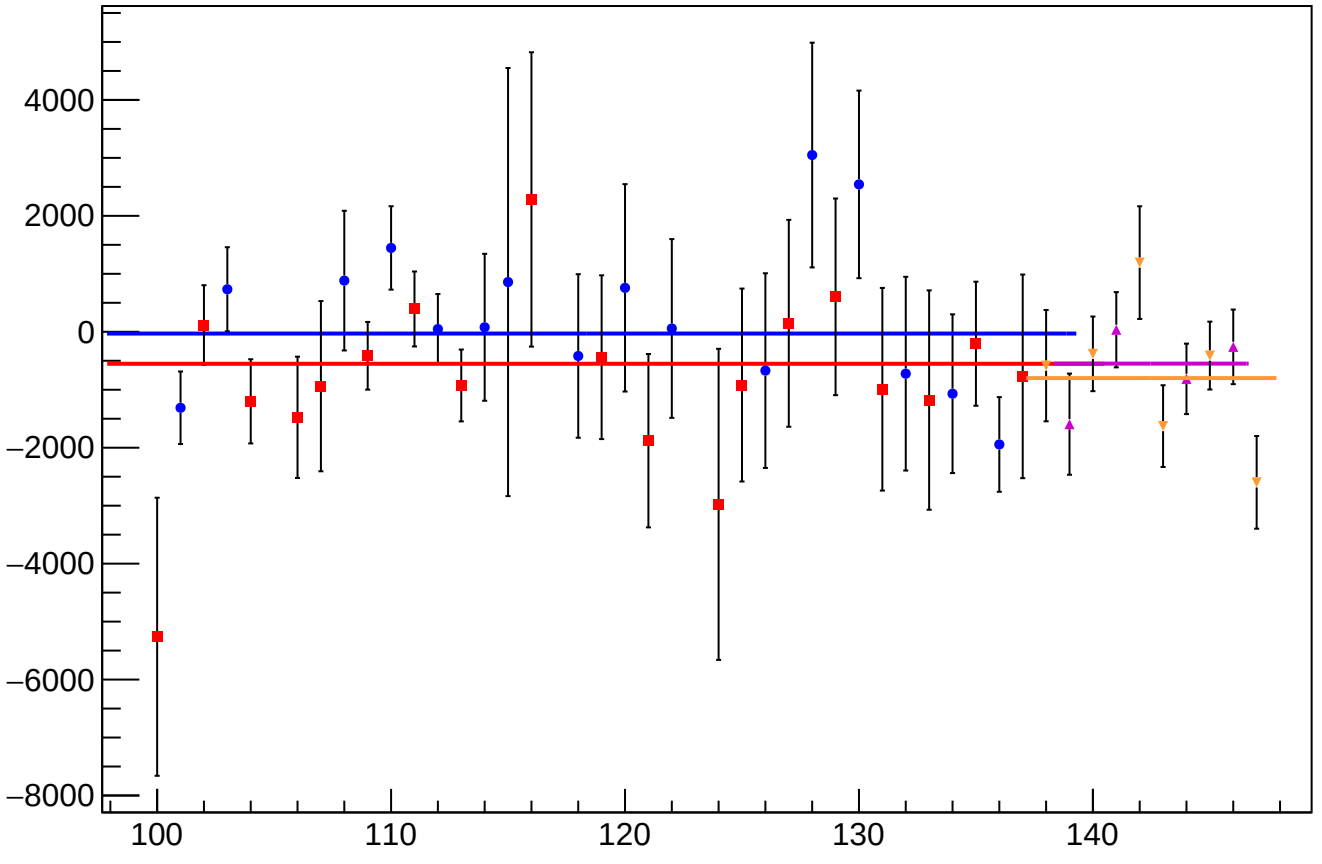
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 84.538+/-0.018 χ^2/NDF: 1023009.1/21

All: 82.695+/-0.013 χ^2/NDF: 2065269.8/44

- sign 80.871+/-0.018 χ^2/NDF: 1021204.1/22



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -798.886+/-300.868 χ^2/NDF:11.6/5

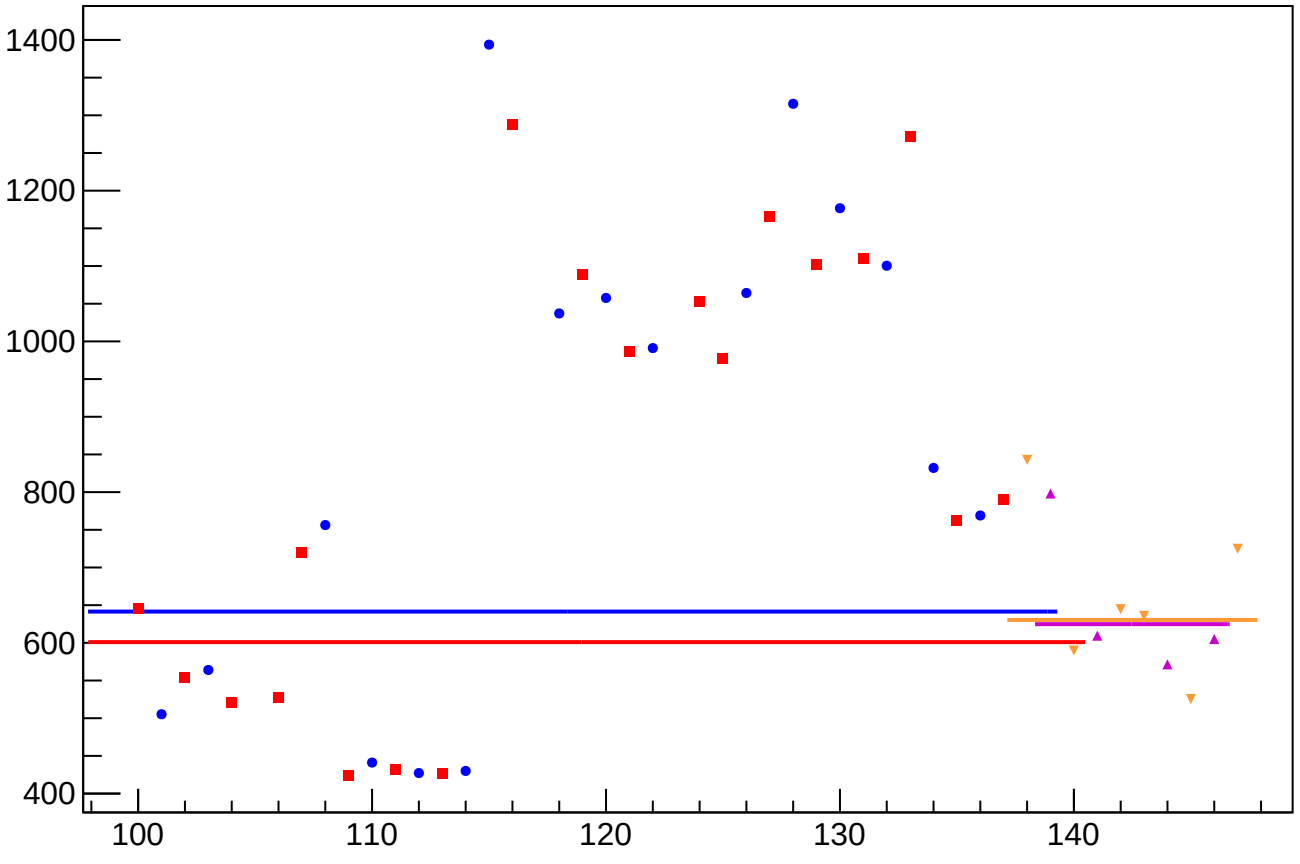
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -549.053+/-336.941 χ^2/NDF:2.6/3

+ sign -354.607+/-195.414 χ^2/NDF: 37.2/21

All: -453.132+/-137.941 χ^2/NDF: 53.2/44

- sign -550.981+/-194.743 χ^2/NDF: 15.5/22



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

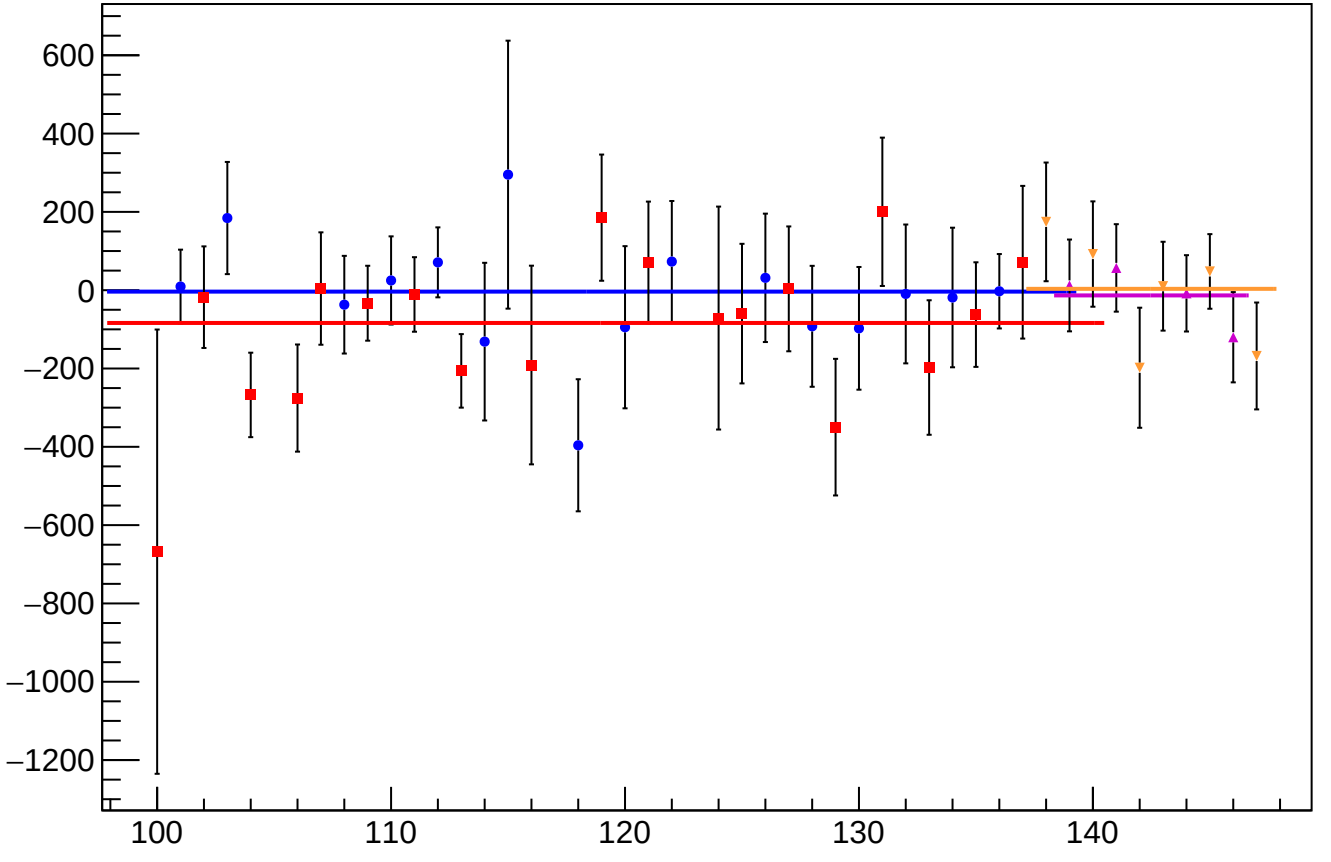
Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

+ sign 636.826+/-0.138 χ^2/NDF: 2075114.6/21

All: 622.831+/-0.098 χ^2/NDF: 4276716.4/44

- sign 608.931+/-0.138 χ^2/NDF: 2181155.5/22

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

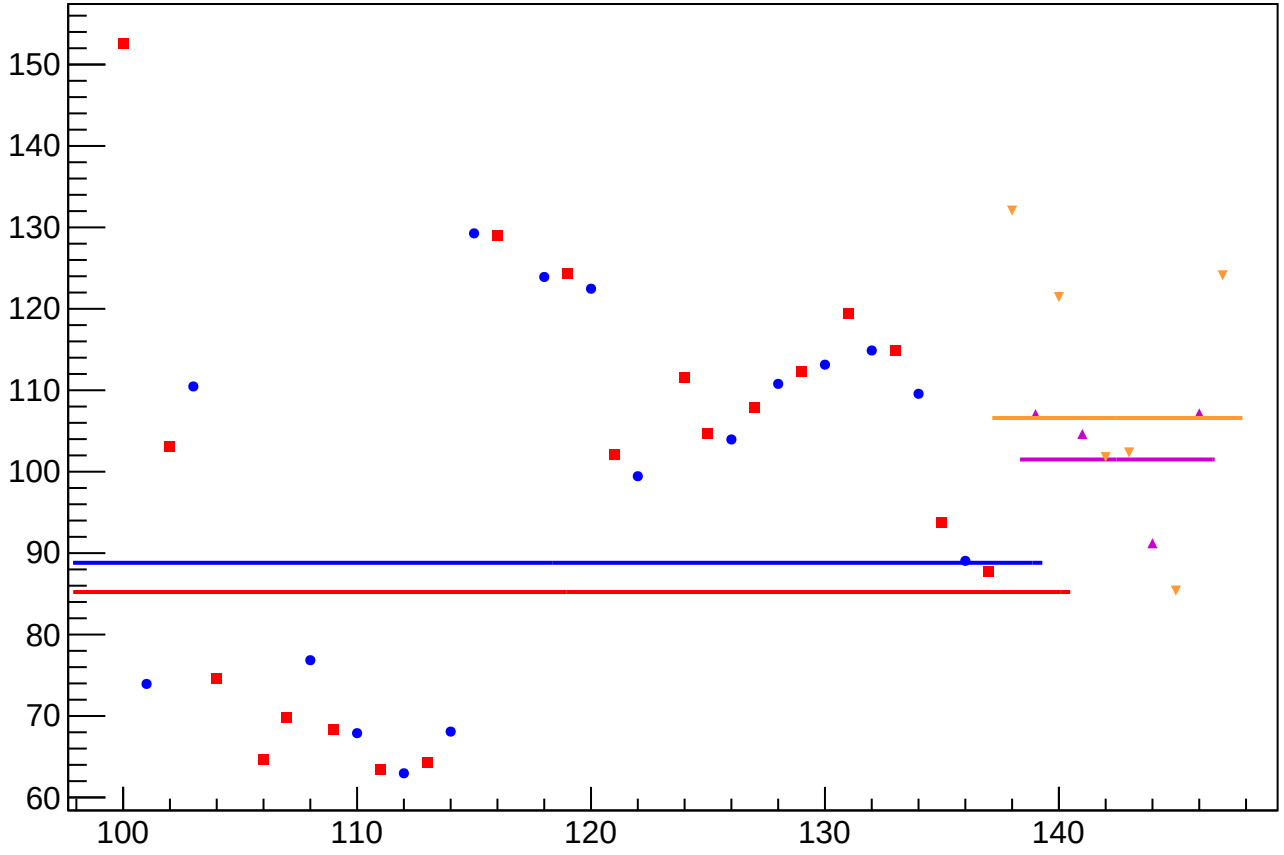
Left In: -13.330+/-54.768 χ^2/NDF:1.3/3

\+ sign -1.446+/-28.396 χ^2/NDF: 15.6/21

All: -33.756+/-19.950 χ^2/NDF: 39.7/44

\- sign -65.246+/-28.034 χ^2/NDF: 21.6/22

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.597+/-0.036 χ^2/NDF:217503.3/5

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

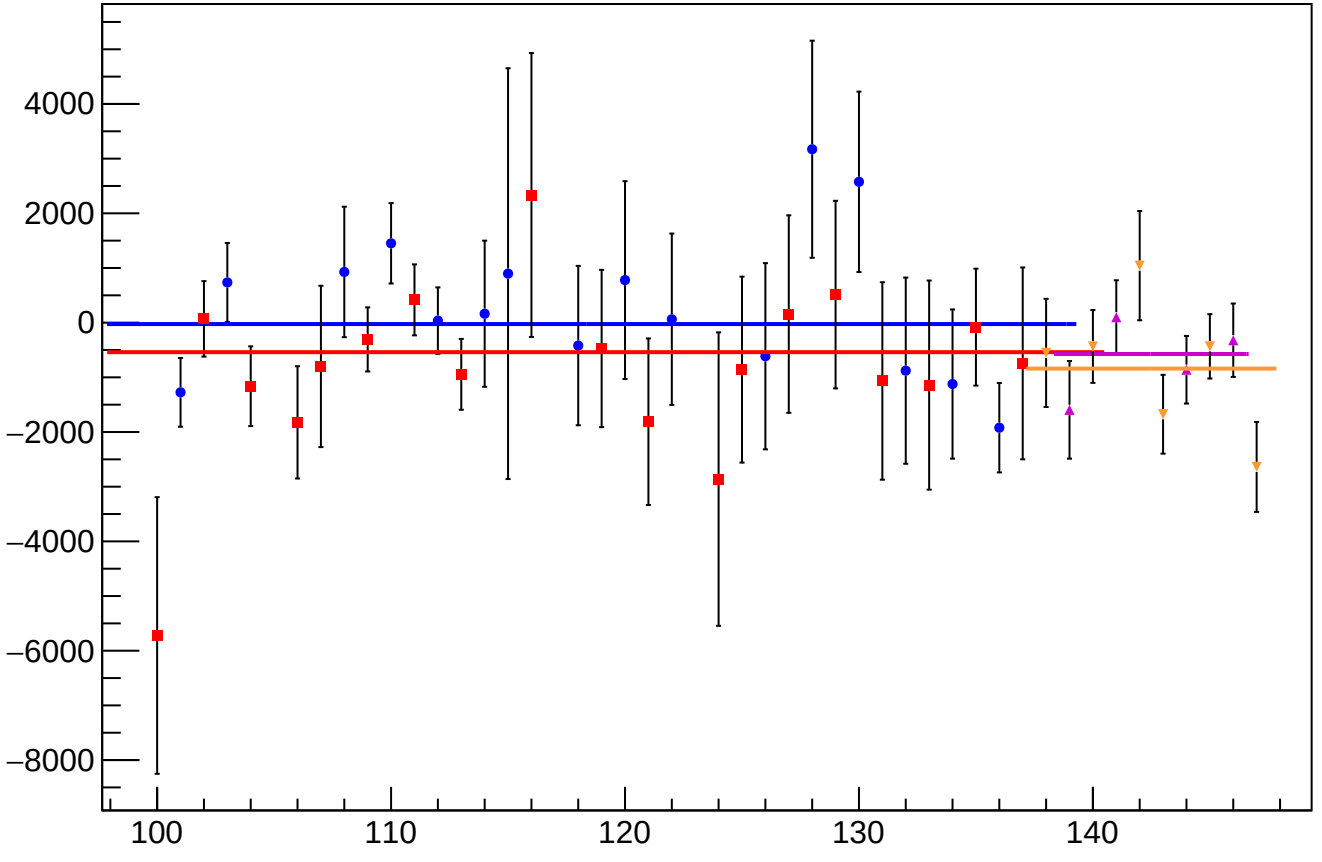
Left In: 101.498+/-0.039 χ^2/NDF:33182.1/3

+ sign 94.303+/-0.020 χ^2/NDF: 1109511.2/21

All: 91.865+/-0.014 χ^2/NDF: 2186198.4/44

- sign 89.488+/-0.020 χ^2/NDF: 1047572.3/22

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.904+/-307.627 χ^2/NDF:10.6/5

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

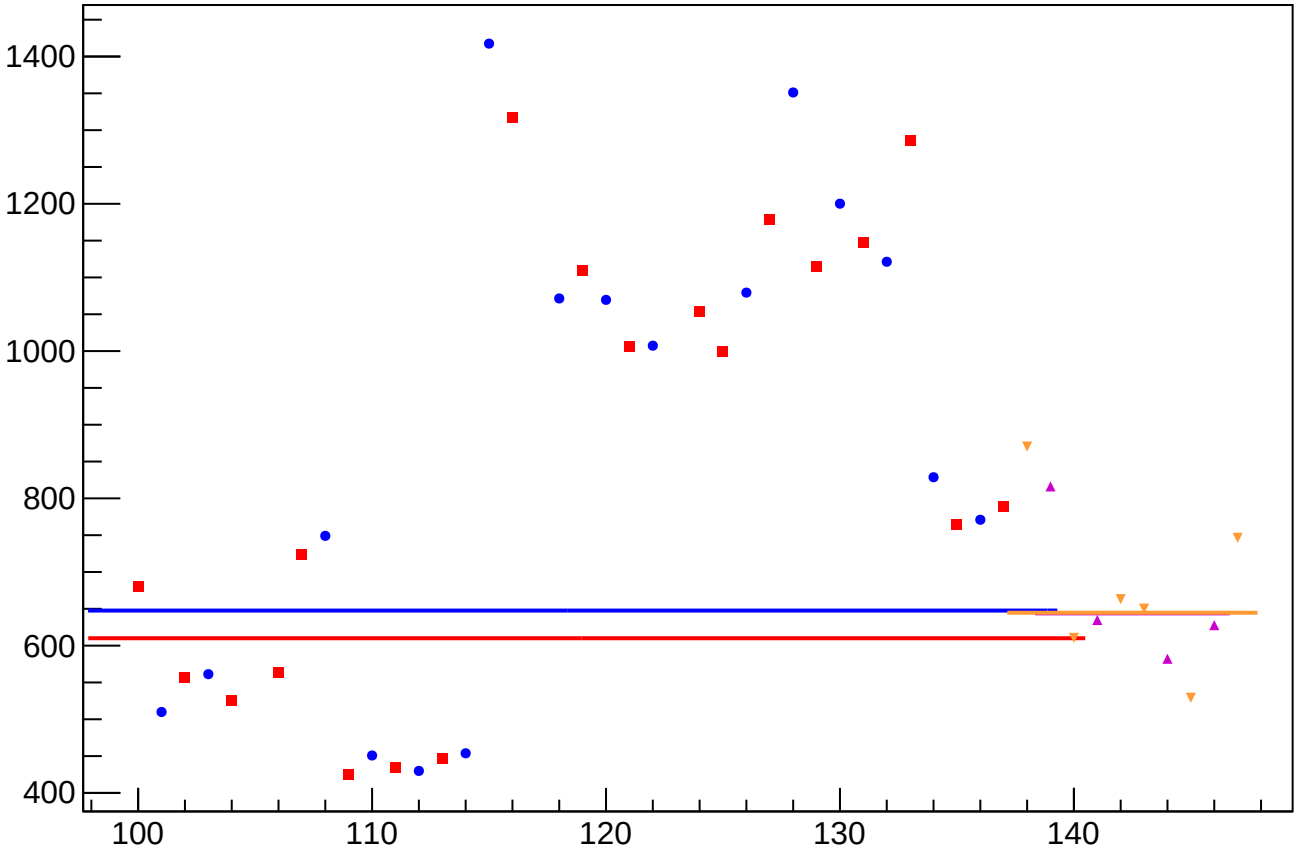
Left In: -573.353+/-347.522 χ^2/NDF:2.7/3

+ sign -364.092+/-198.309 χ^2/NDF: 36.2/21

All: -457.410+/-140.177 χ^2/NDF: 53.0/44

- sign -550.599+/-198.172 χ^2/NDF: 16.3/22

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 644.685+/-0.218 χ^2/NDF:217723.8/5

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

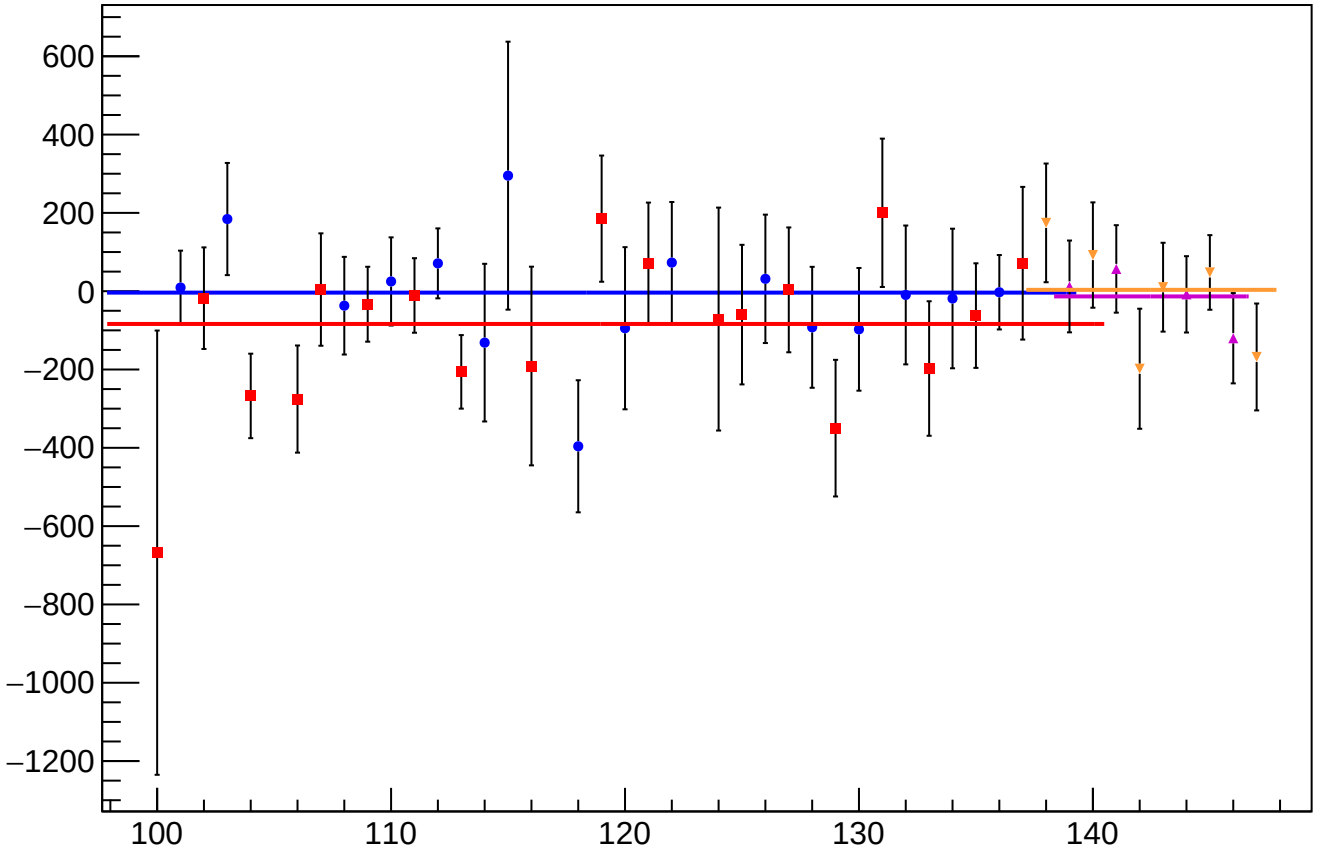
Left In: 643.824+/-0.246 χ^2/NDF:95973.6/3

+ sign 646.412+/-0.140 χ^2/NDF: 2105647.6/21

All: 633.717+/-0.099 χ^2/NDF: 4304990.2/44

- sign 621.040+/-0.140 χ^2/NDF: 2182961.5/22

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

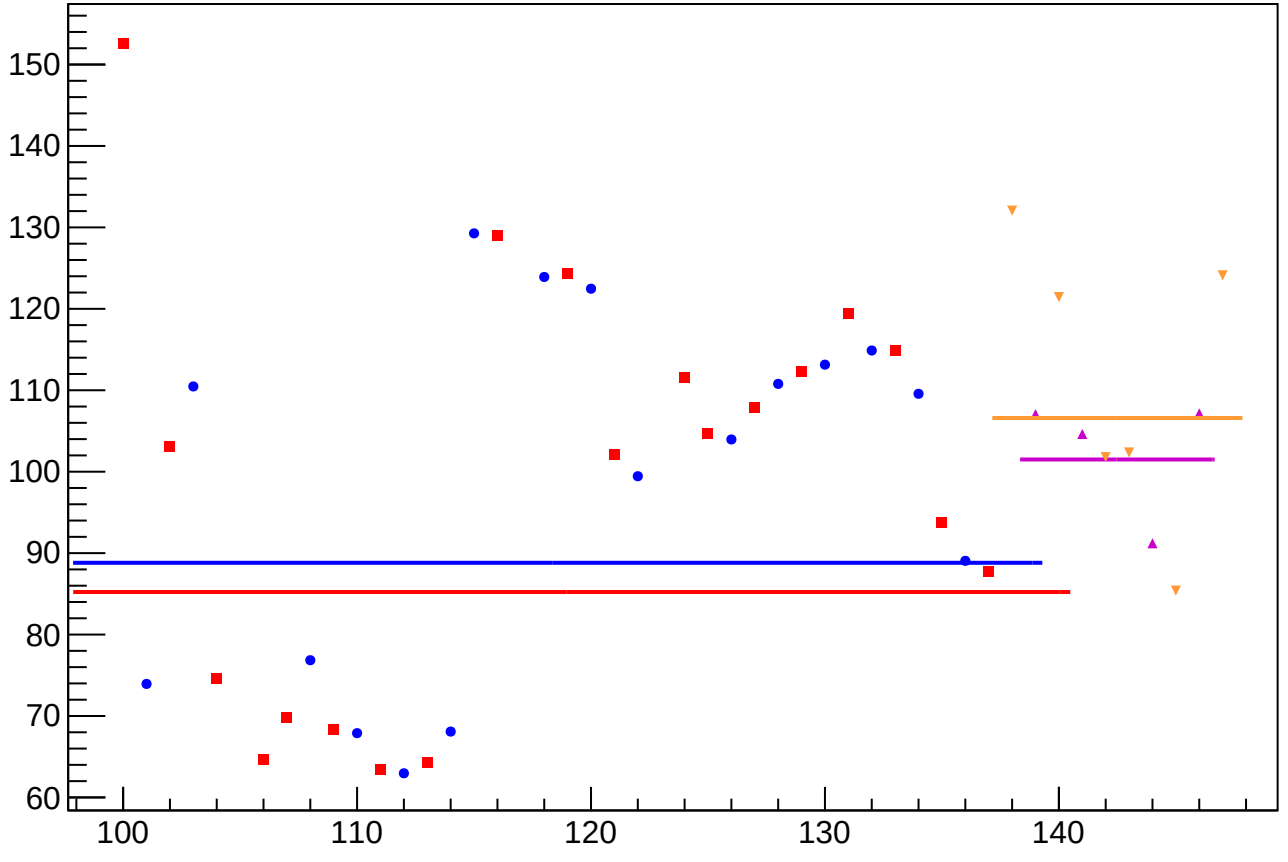
Left In: -13.331+/-54.768 χ^2/NDF:1.3/3

+ sign -1.445+/-28.396 χ^2/NDF: 15.6/21

All: -33.755+/-19.950 χ^2/NDF: 39.7/44

- sign -65.246+/-28.034 χ^2/NDF: 21.6/22

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.598+/-0.036 χ^2/NDF:217501.8/5

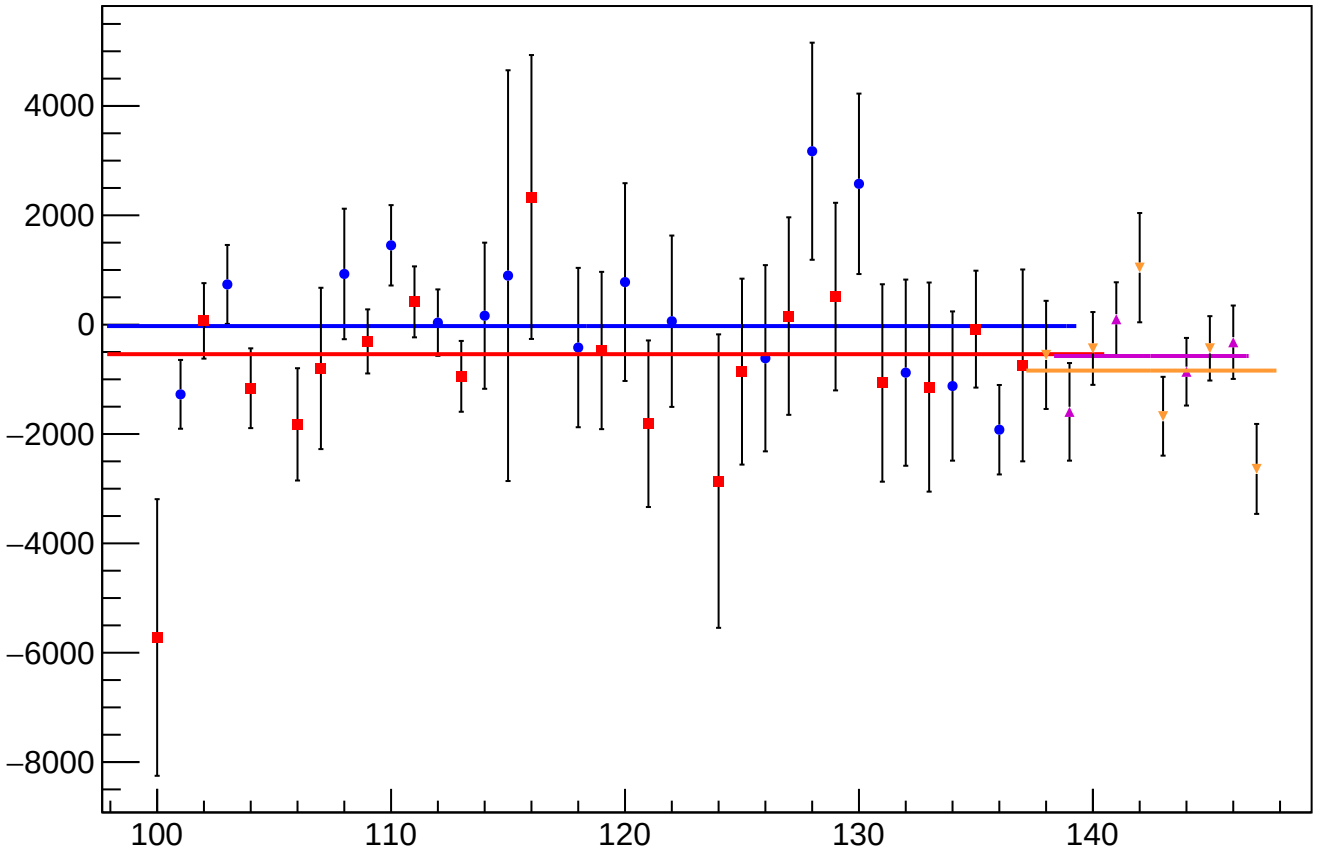
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 101.499+/-0.039 χ^2/NDF:33182.4/3

+ sign 94.303+/-0.020 χ^2/NDF: 1109514.5/21

All: 91.865+/-0.014 χ^2/NDF: 2186208.9/44

- sign 89.489+/-0.020 χ^2/NDF: 1047579.5/22



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.903+/-307.627 χ^2/NDF:10.6/5

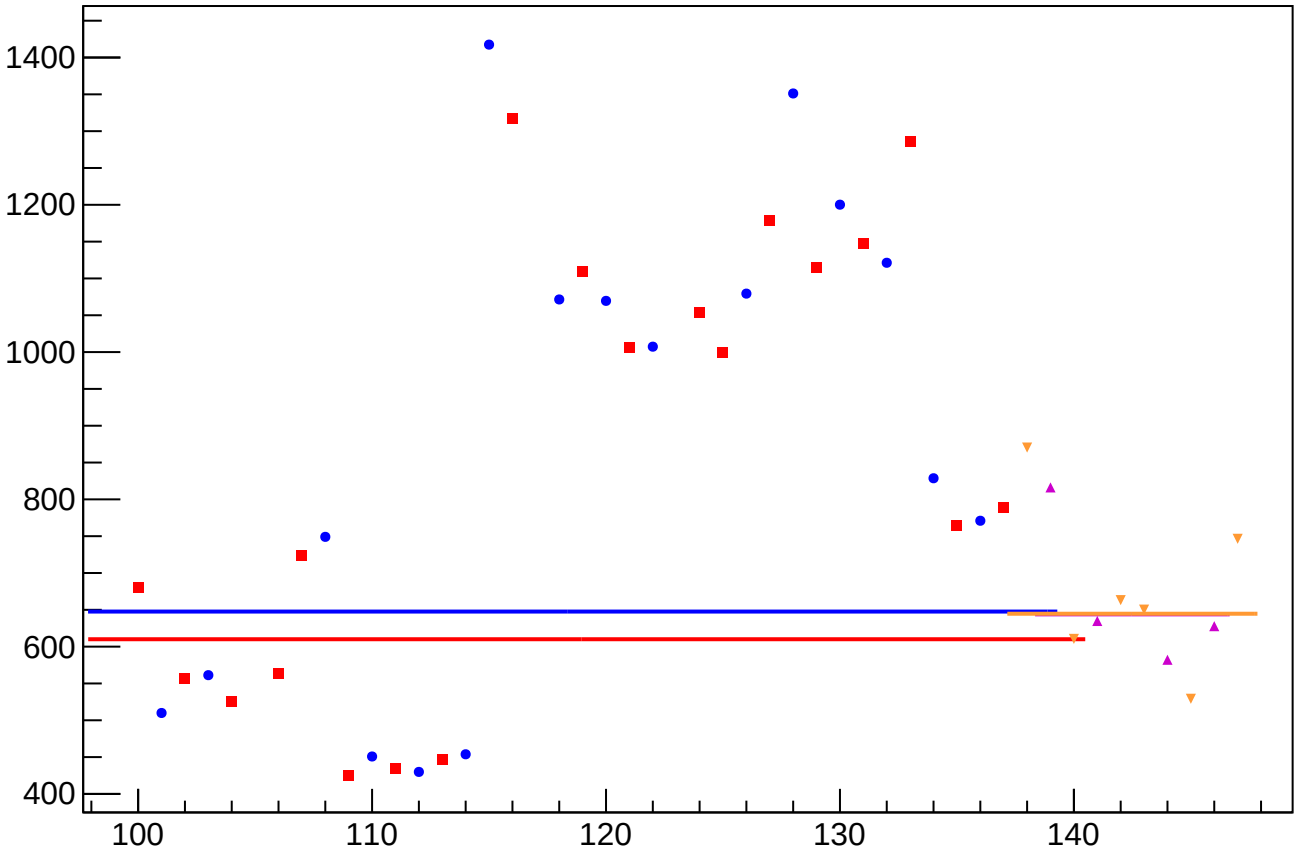
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -573.353+/-347.522 χ^2/NDF:2.7/3

+ sign -364.092+/-198.309 χ^2/NDF: 36.2/21

All: -457.410+/-140.177 χ^2/NDF: 53.0/44

- sign -550.599+/-198.171 χ^2/NDF: 16.3/22



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 644.684+/-0.218 χ^2/NDF:217725.8/5

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

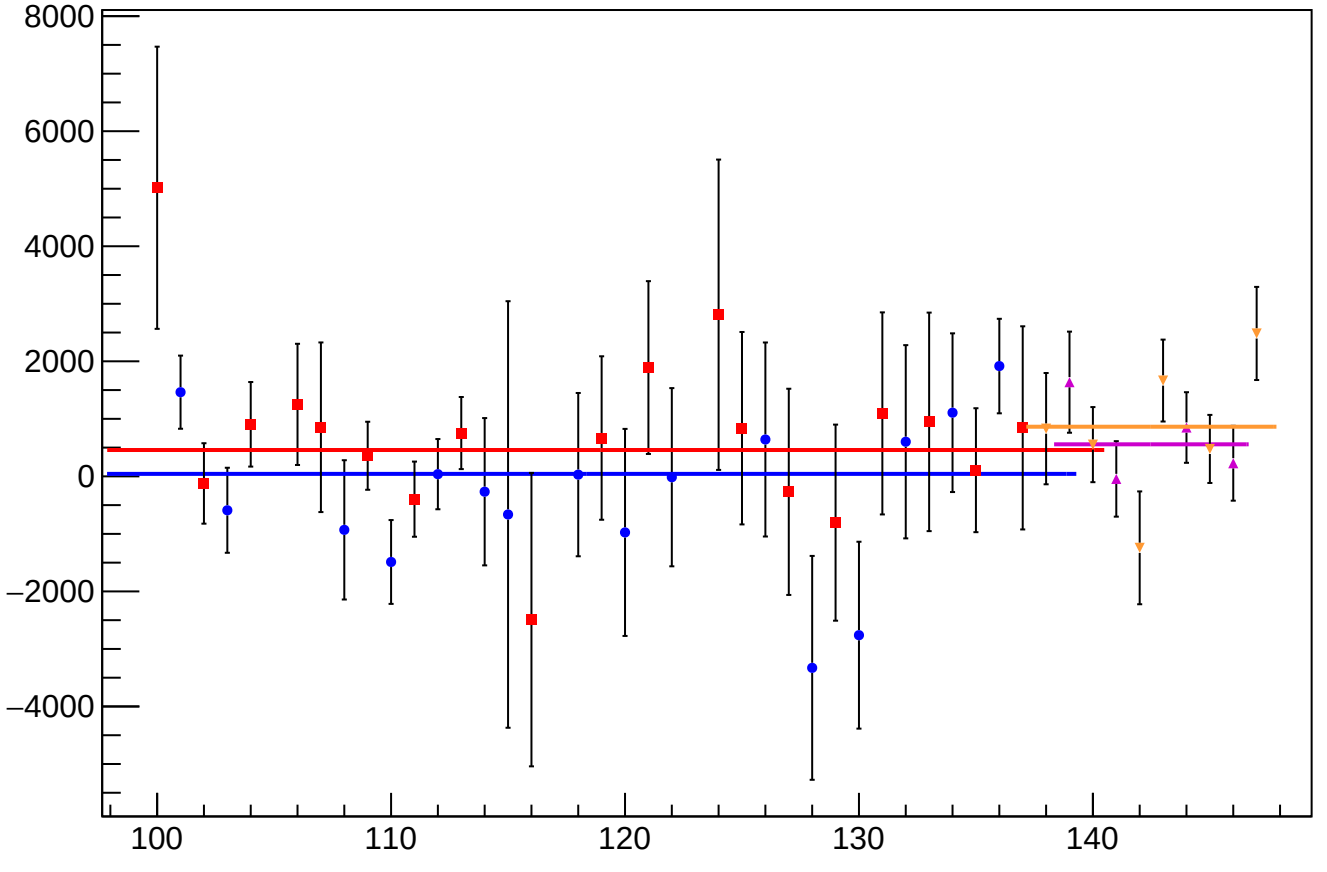
Left In: 643.824+/-0.246 χ^2/NDF:95973.5/3

+ sign 646.412+/-0.140 χ^2/NDF: 2105654.3/21

All: 633.717+/-0.099 χ^2/NDF: 4305000.0/44

- sign 621.039+/-0.140 χ^2/NDF: 2182964.7/22

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 862.901+/-304.131 χ^2/NDF:10.5/5

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

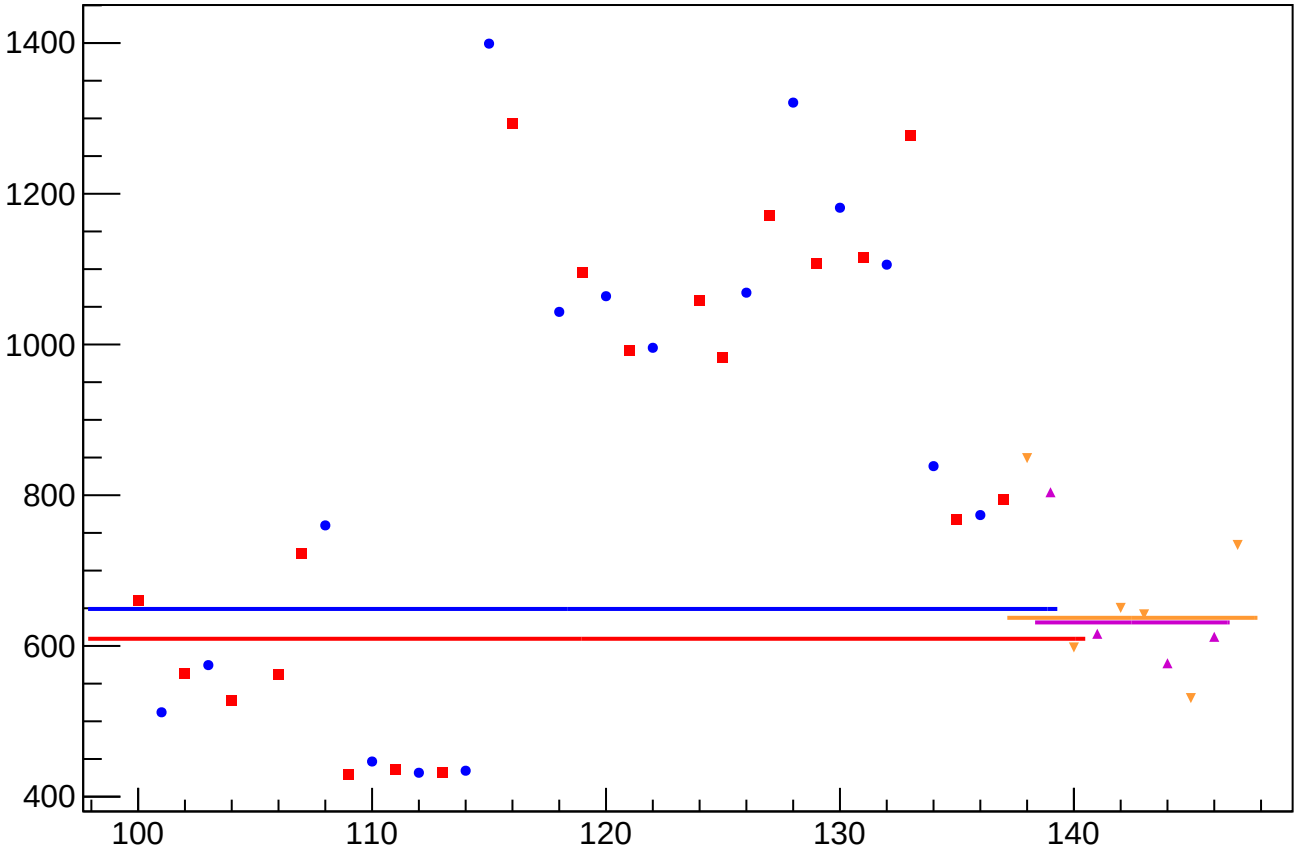
Left In: 557.052+/-340.328 χ^2/NDF:2.8/3

\+ sign 388.975+/-197.537 χ^2/NDF: 38.0/21

All: 440.282+/-139.398 χ^2/NDF: 52.2/44

\- sign 491.177+/-196.744 χ^2/NDF: 14.1/22

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 637.334+/-0.215 χ^2/NDF:197029.5/5

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

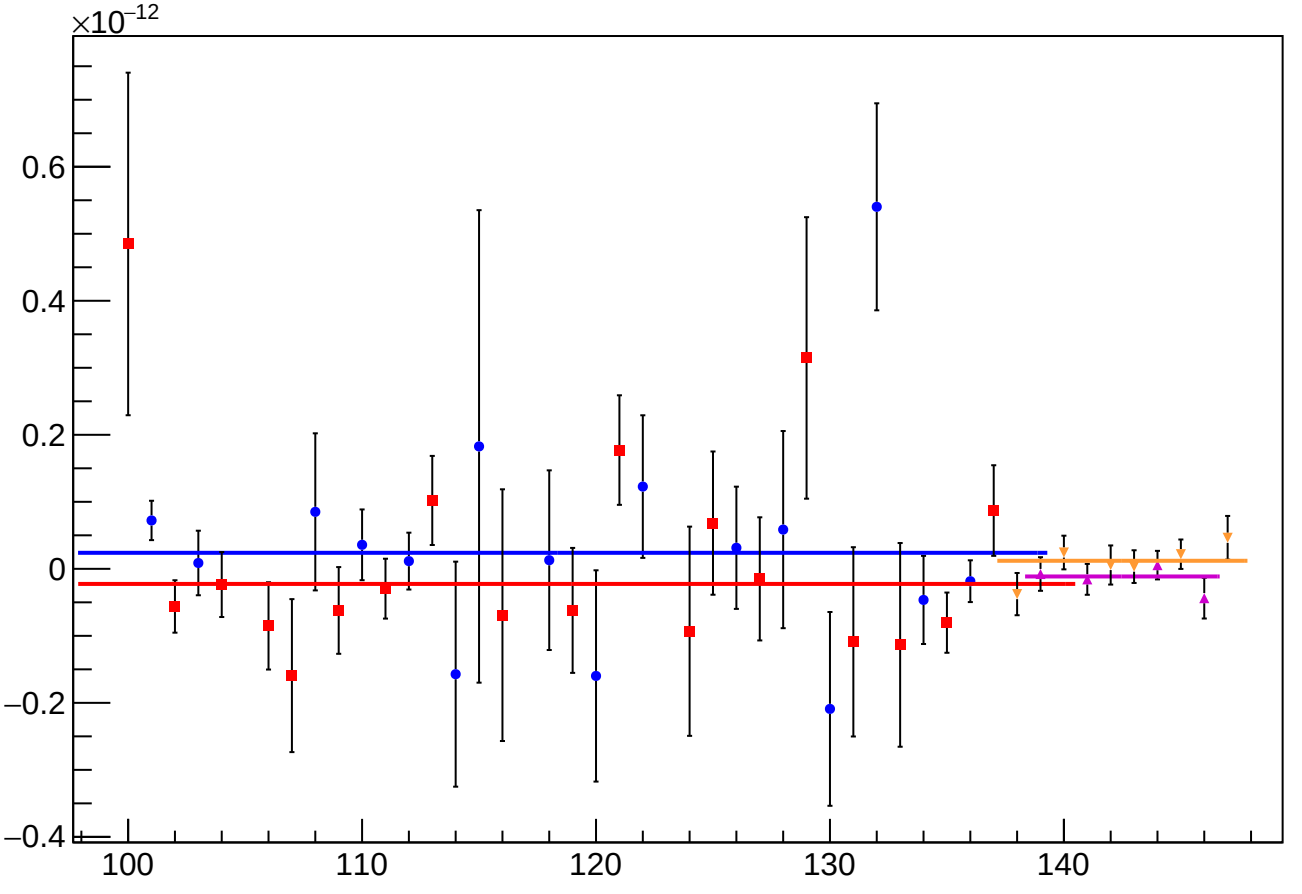
Left In: 631.204+/-0.241 χ^2/NDF:95622.6/3

+ sign 644.131+/-0.140 χ^2/NDF: 2044573.0/21

All: 630.393+/-0.099 χ^2/NDF: 4208464.7/44

- sign 616.764+/-0.139 χ^2/NDF: 2144621.4/22

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

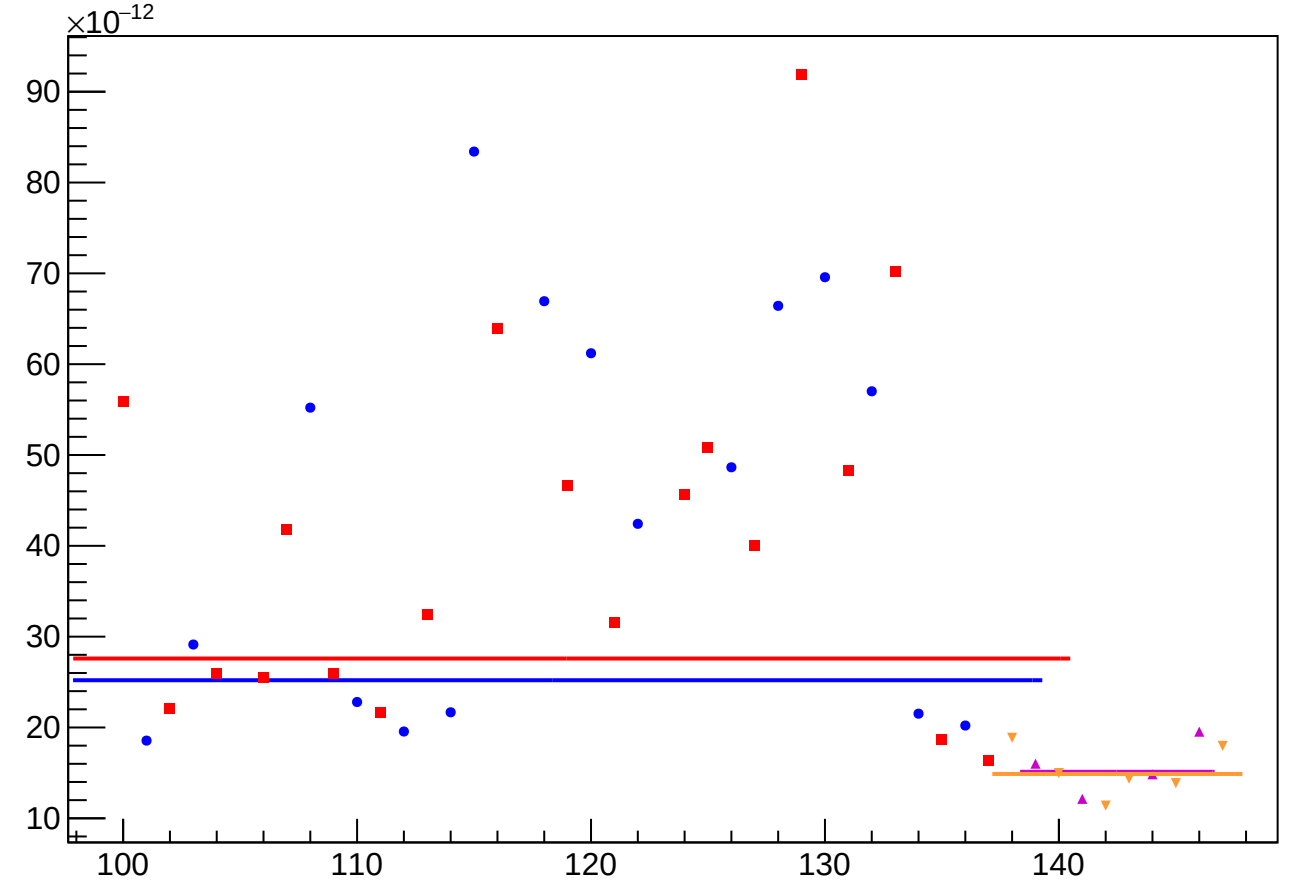
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/21

All: 0.000+/-0.000 χ^2/NDF: 61.7/44

- sign -0.000+/-0.000 χ^2/NDF: 27.8/22

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:83600.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

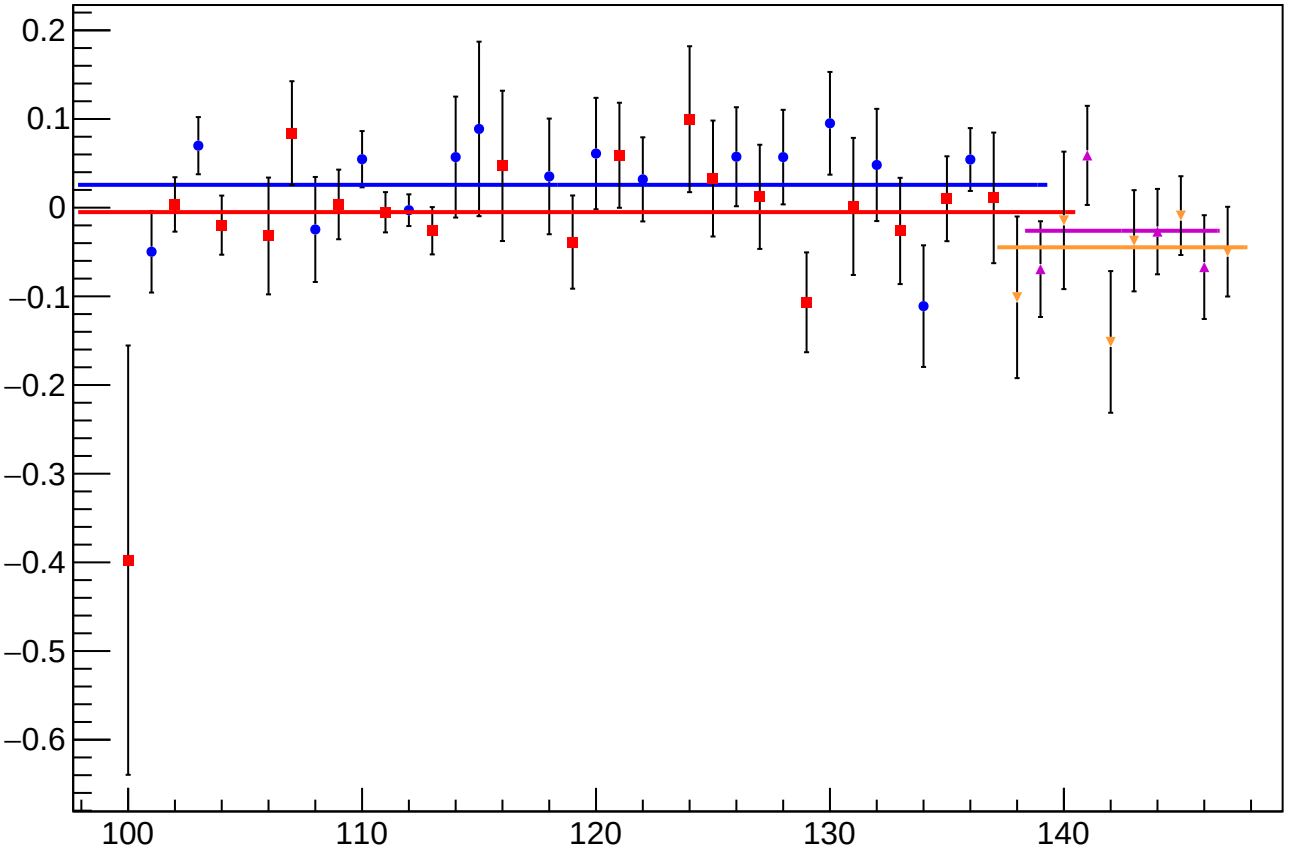
Left In: 0.000+/-0.000 χ^2/NDF:78534.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2005139.0/21

All: 0.000+/-0.000 χ^2/NDF: 3837980.5/44

- sign 0.000+/-0.000 χ^2/NDF: 1816445.1/22

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

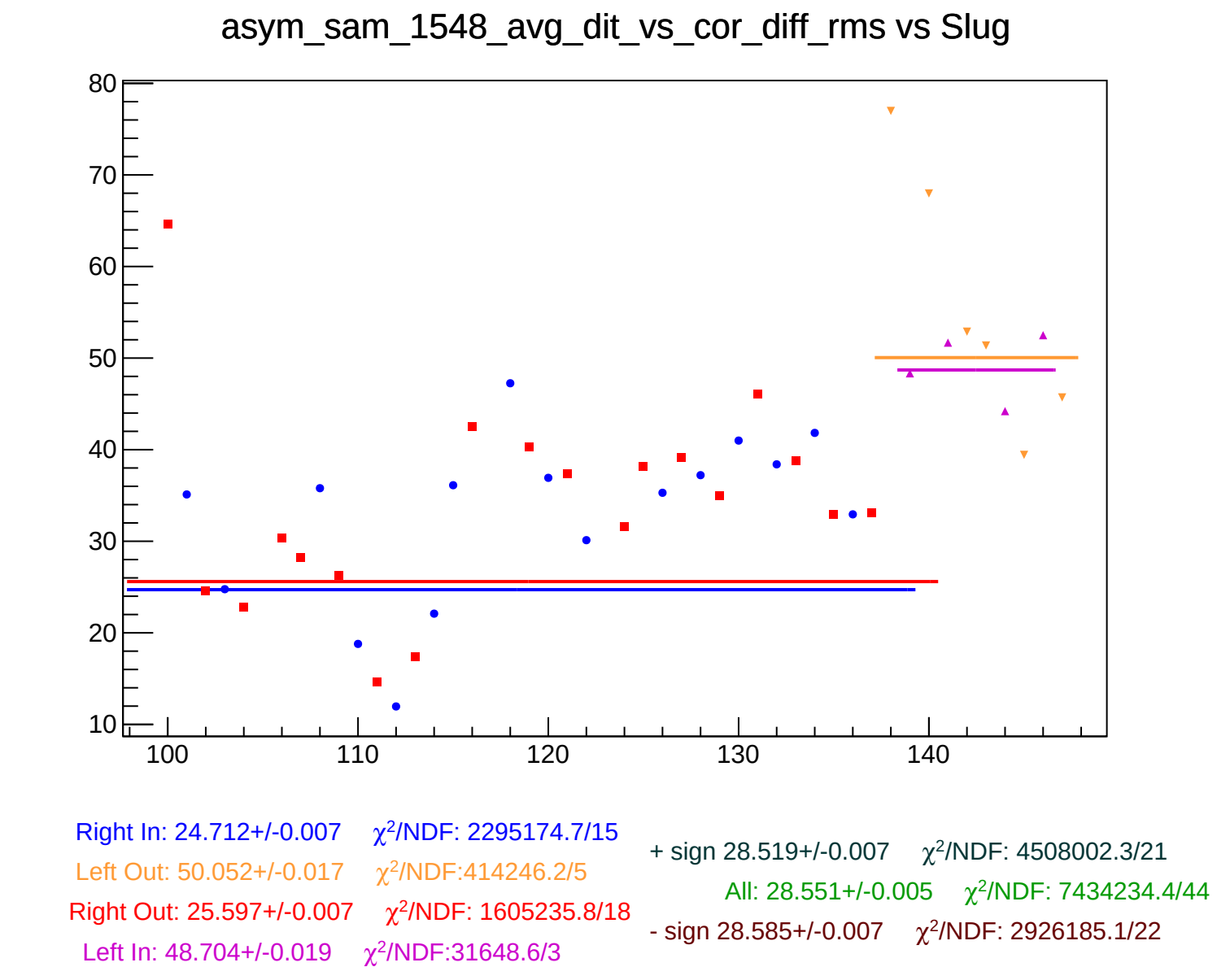
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.004+/-0.007 χ^2/NDF: 46.9/44

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug
80
70
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100
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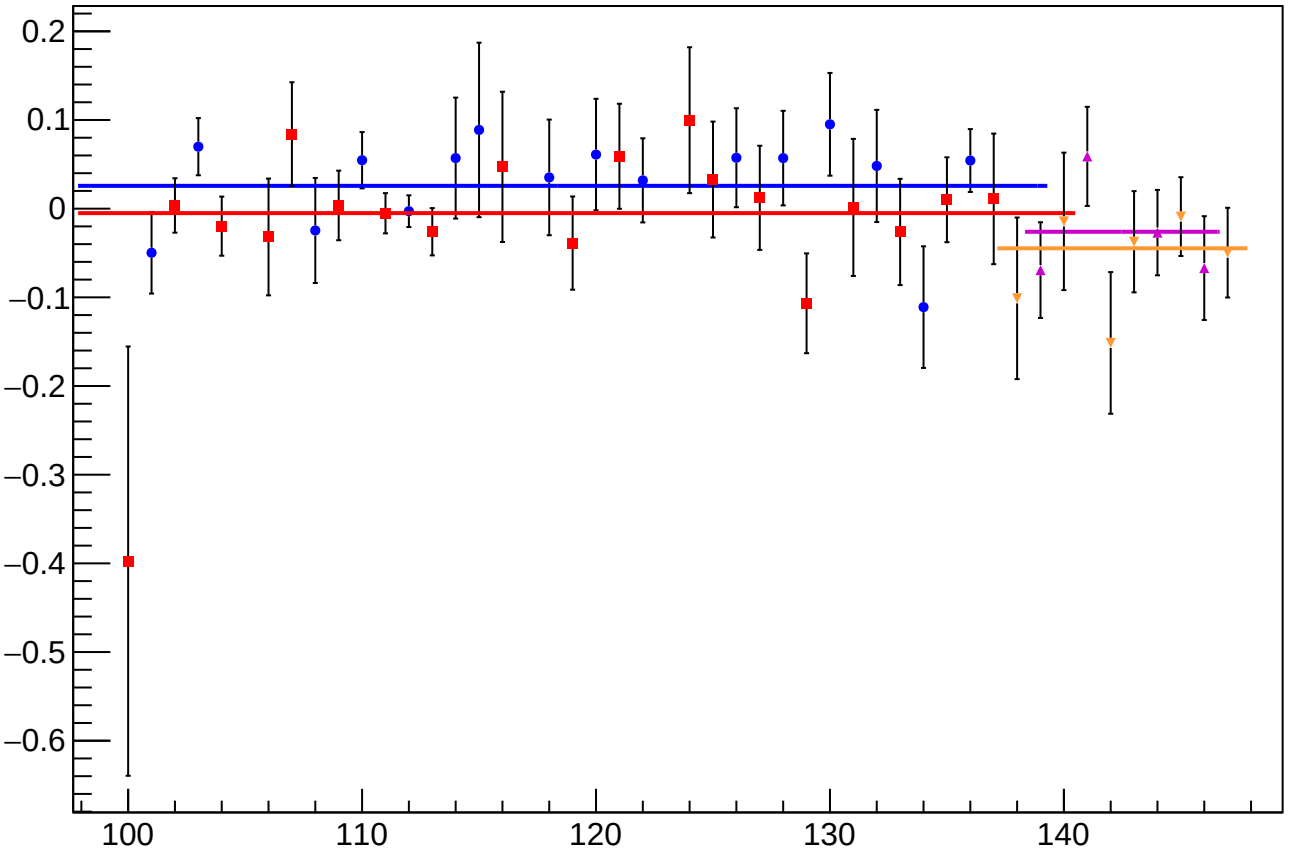
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 50.052+/-0.017 χ²/NDF:414246.2/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 48.704+/-0.019 χ²/NDF:31648.6/3
+ sign 28.519+/-0.007 χ²/NDF: 4508002.3/21
All: 28.551+/-0.005 χ²/NDF: 7434234.4/44
- sign 28.585+/-0.007 χ²/NDF: 2926185.1/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

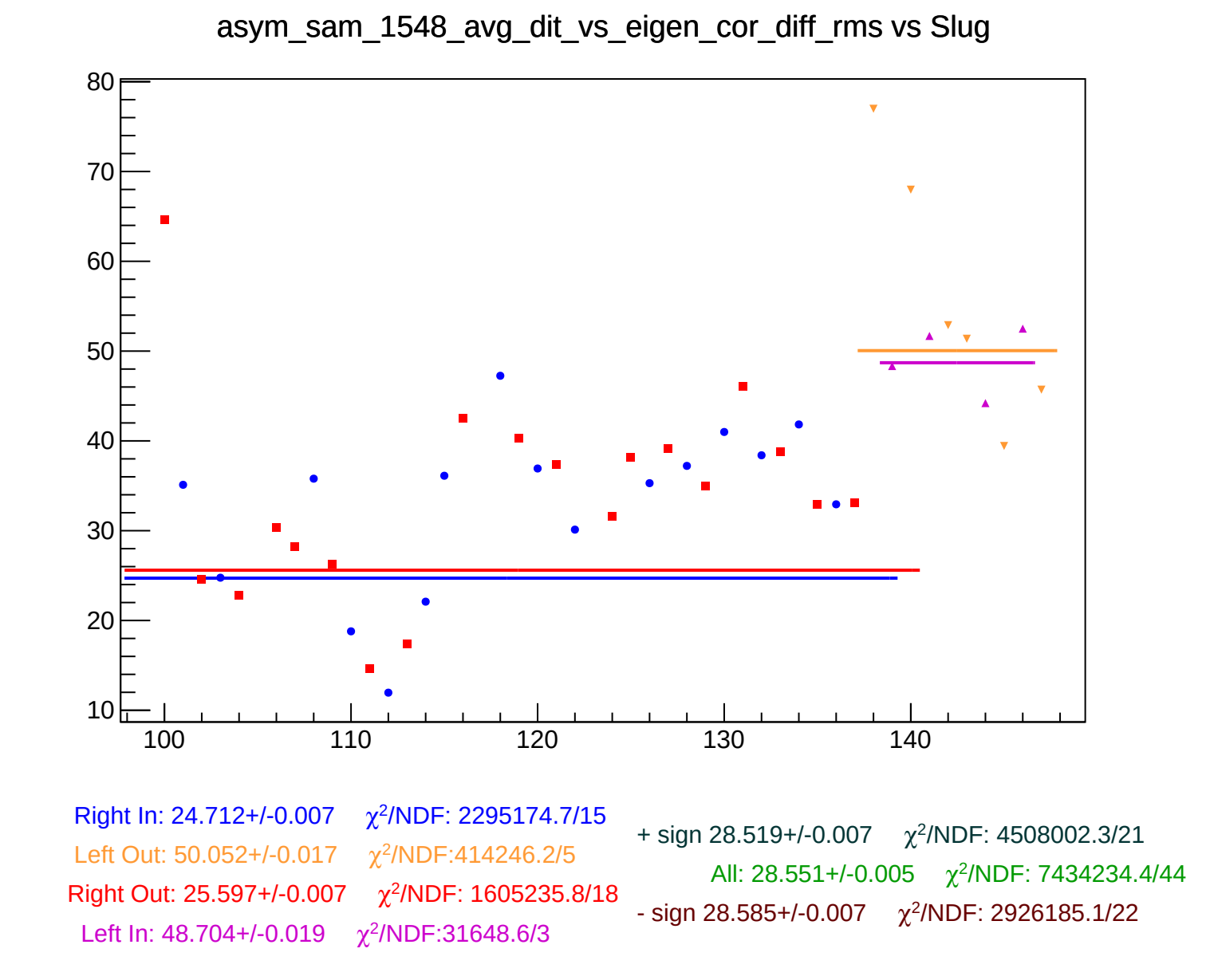
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.004+/-0.007 χ^2/NDF: 46.9/44

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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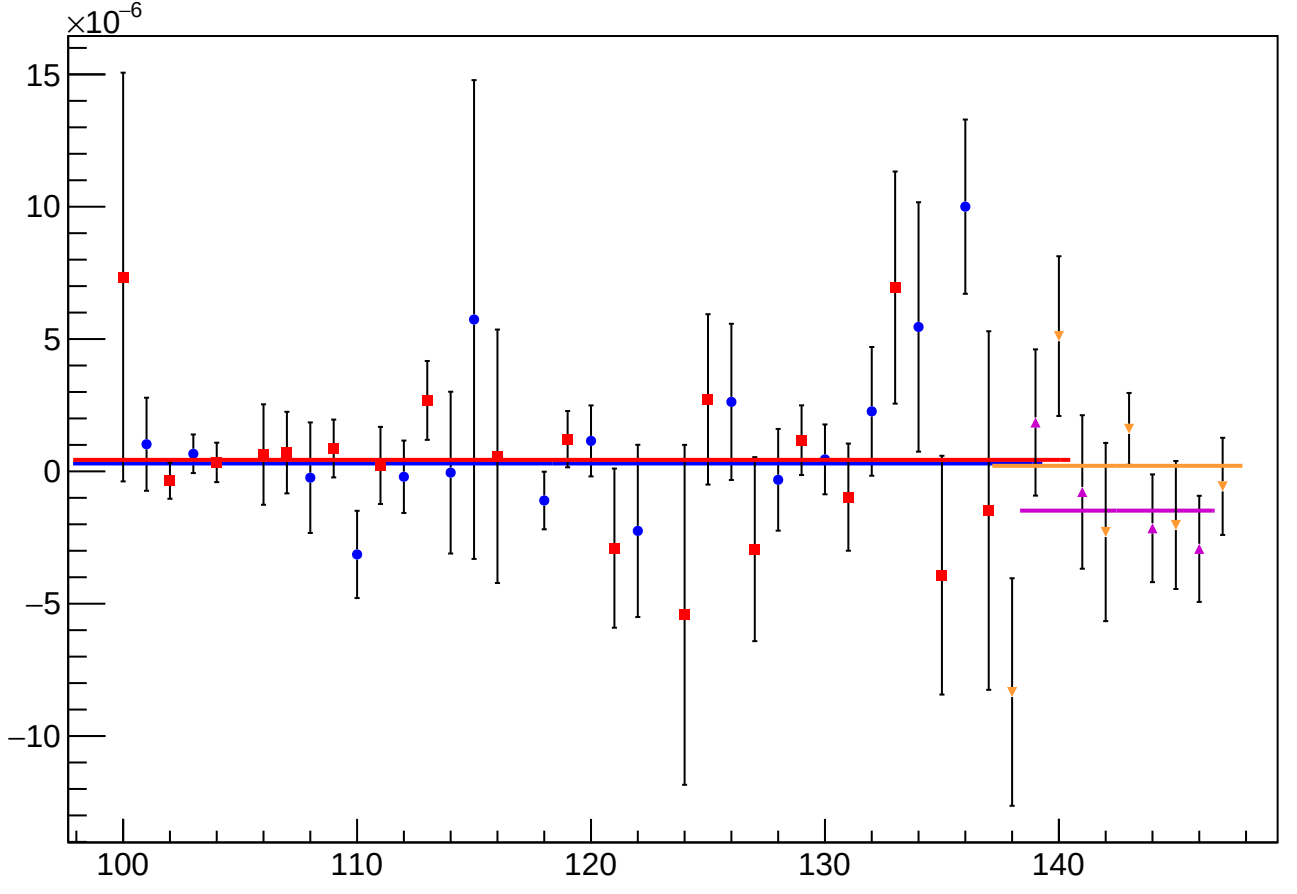
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 50.052+/-0.017 χ²/NDF:414246.2/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 48.704+/-0.019 χ²/NDF:31648.6/3
+ sign 28.519+/-0.007 χ²/NDF: 4508002.3/21
All: 28.551+/-0.005 χ²/NDF: 7434234.4/44
- sign 28.585+/-0.007 χ²/NDF: 2926185.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/5

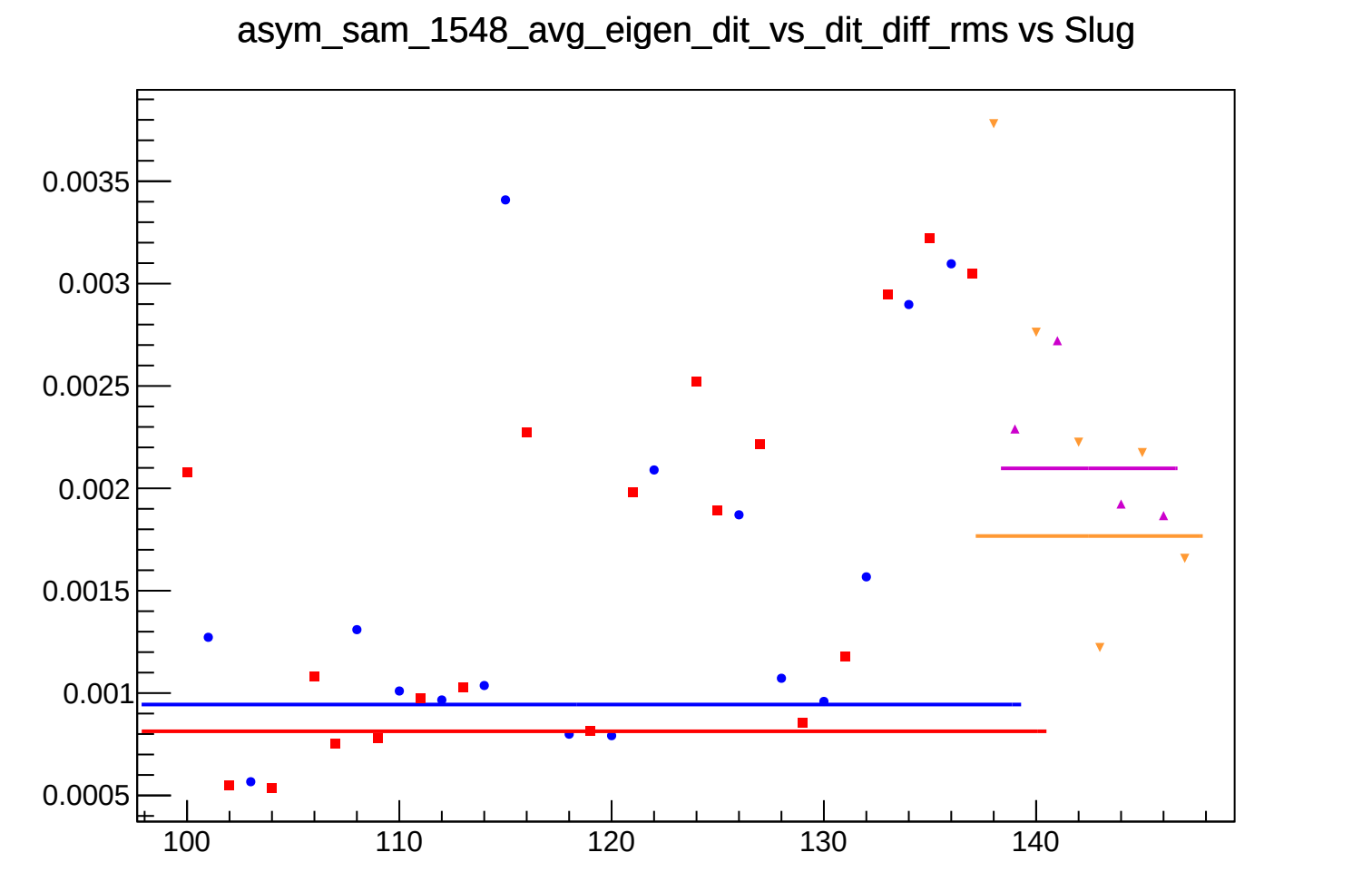
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/21

All: 0.000+/-0.000 χ^2/NDF: 45.9/44

- sign 0.000+/-0.000 χ^2/NDF: 17.3/22



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:1079675.3/5

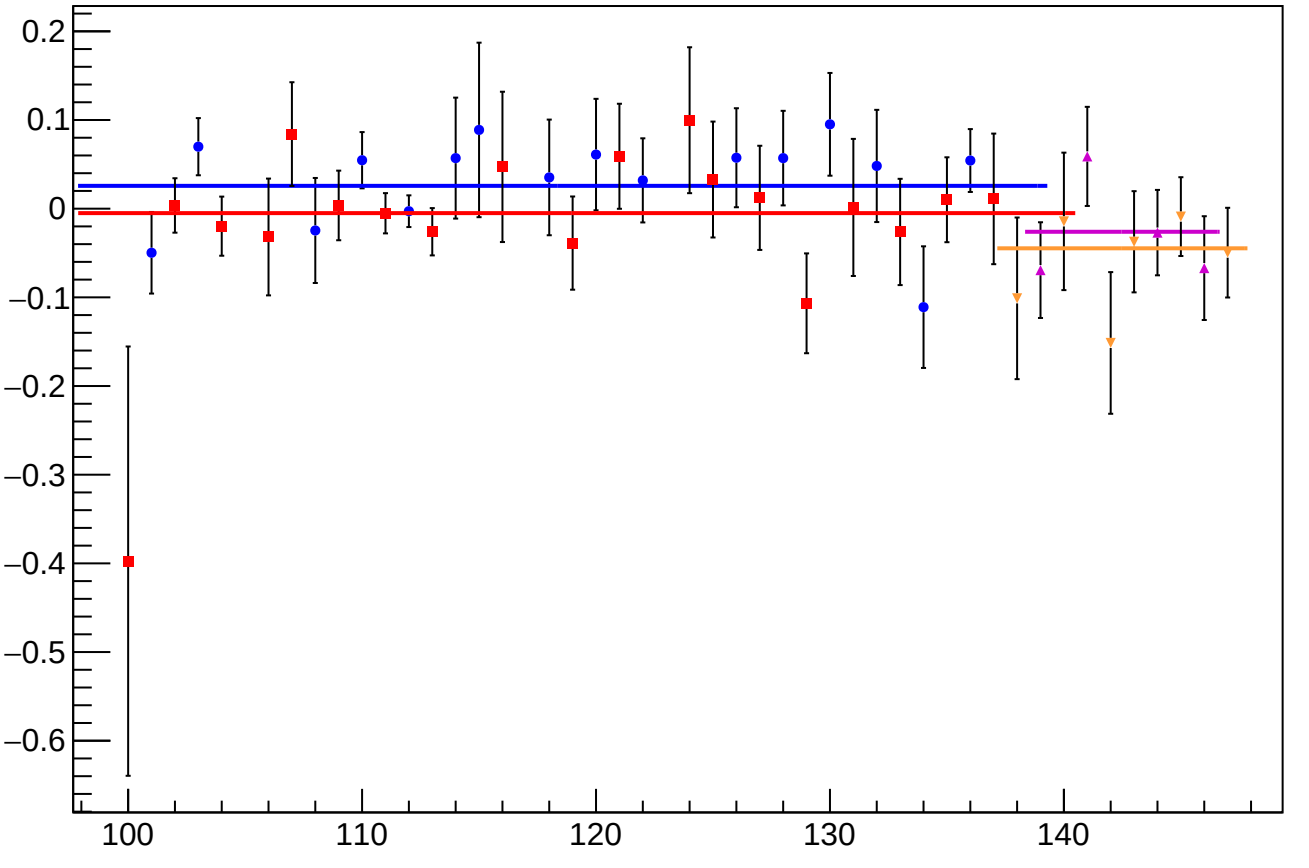
Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:143281.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 5167965.1/21

All: 0.001+/-0.000 χ^2/NDF: 11036725.2/44

- sign 0.001+/-0.000 χ^2/NDF: 5634263.5/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

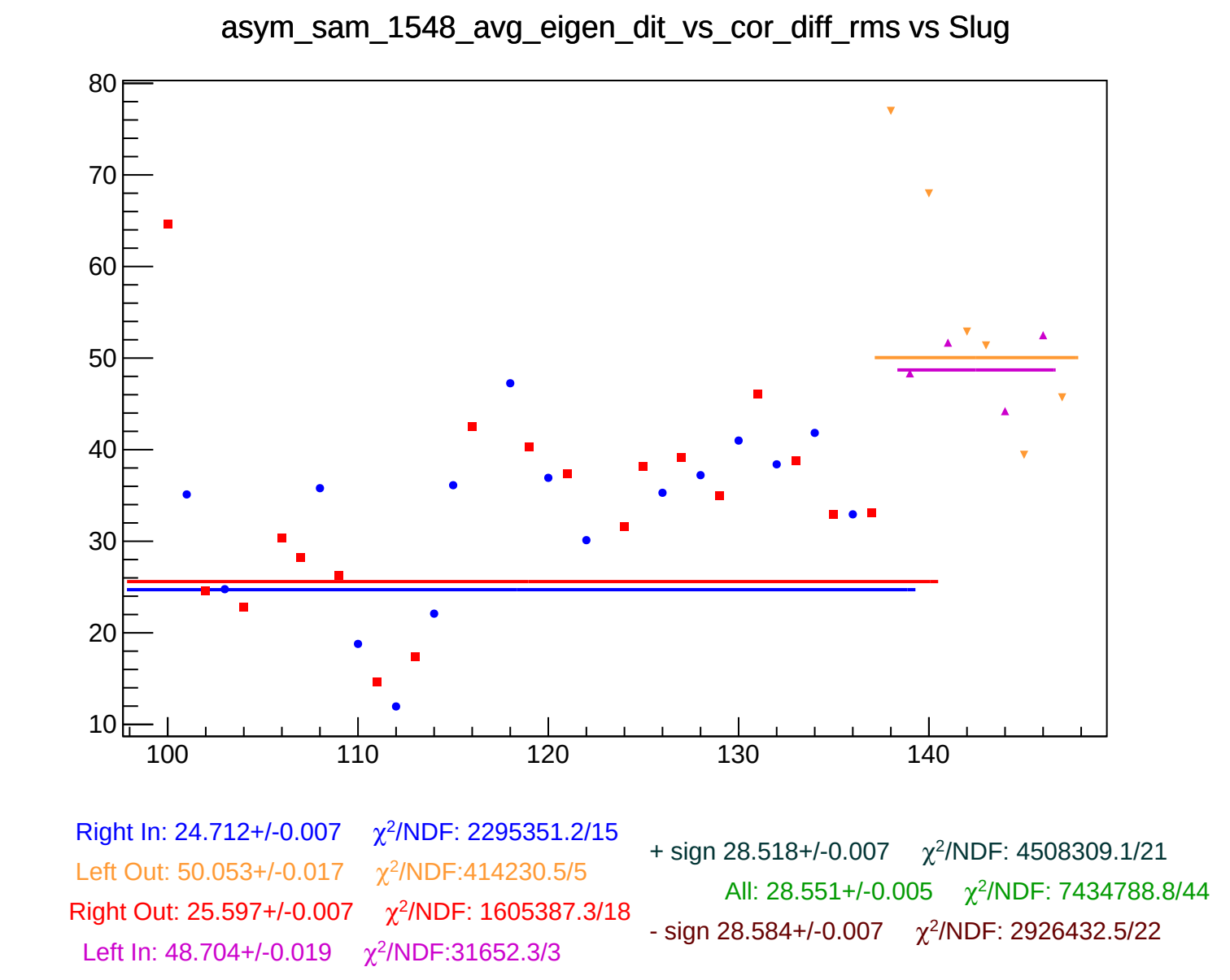
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.004+/-0.007 χ^2/NDF: 46.9/44

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
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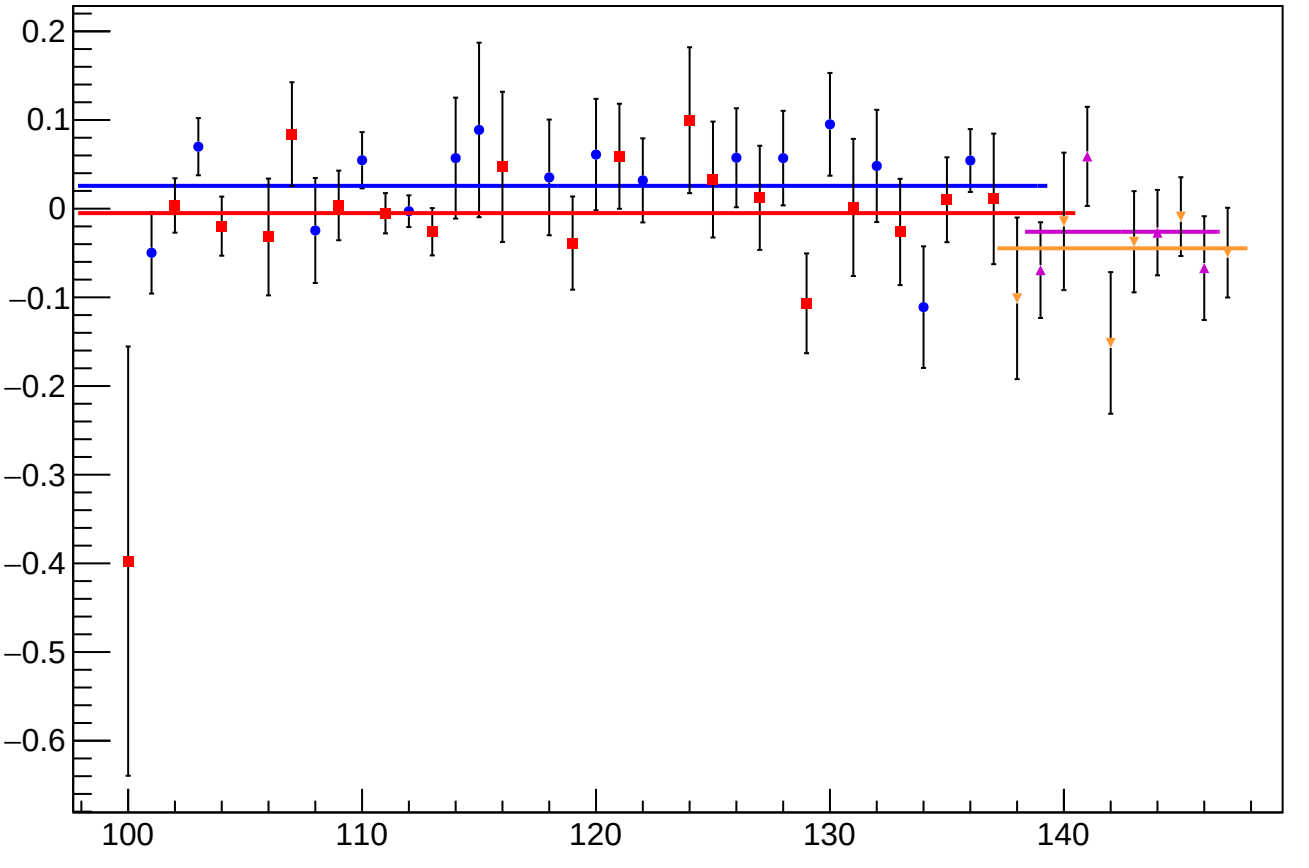
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 50.053+/-0.017 χ²/NDF:414230.5/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 48.704+/-0.019 χ²/NDF:31652.3/3
+ sign 28.518+/-0.007 χ²/NDF: 4508309.1/21
All: 28.551+/-0.005 χ²/NDF: 7434788.8/44
- sign 28.584+/-0.007 χ²/NDF: 2926432.5/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

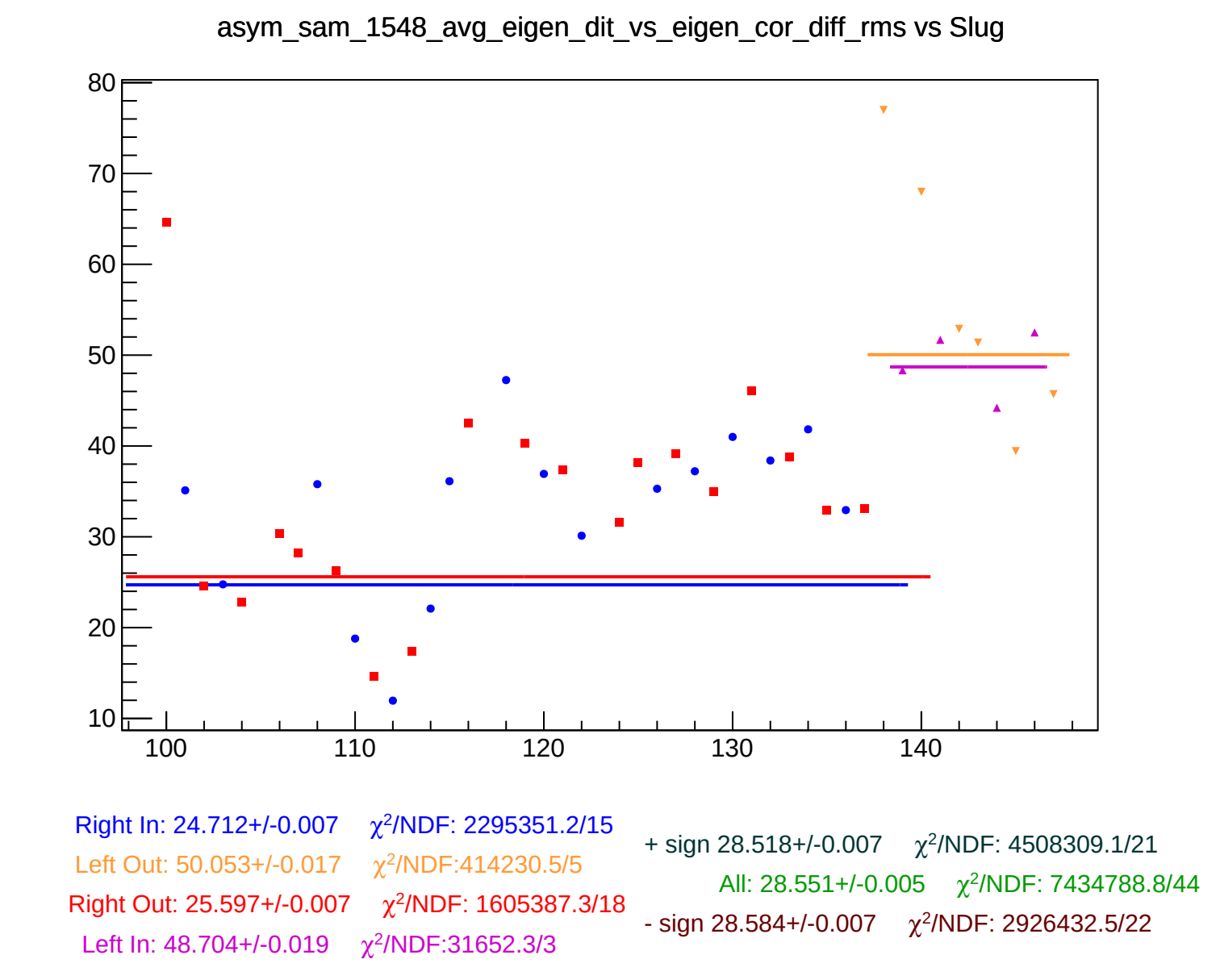
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

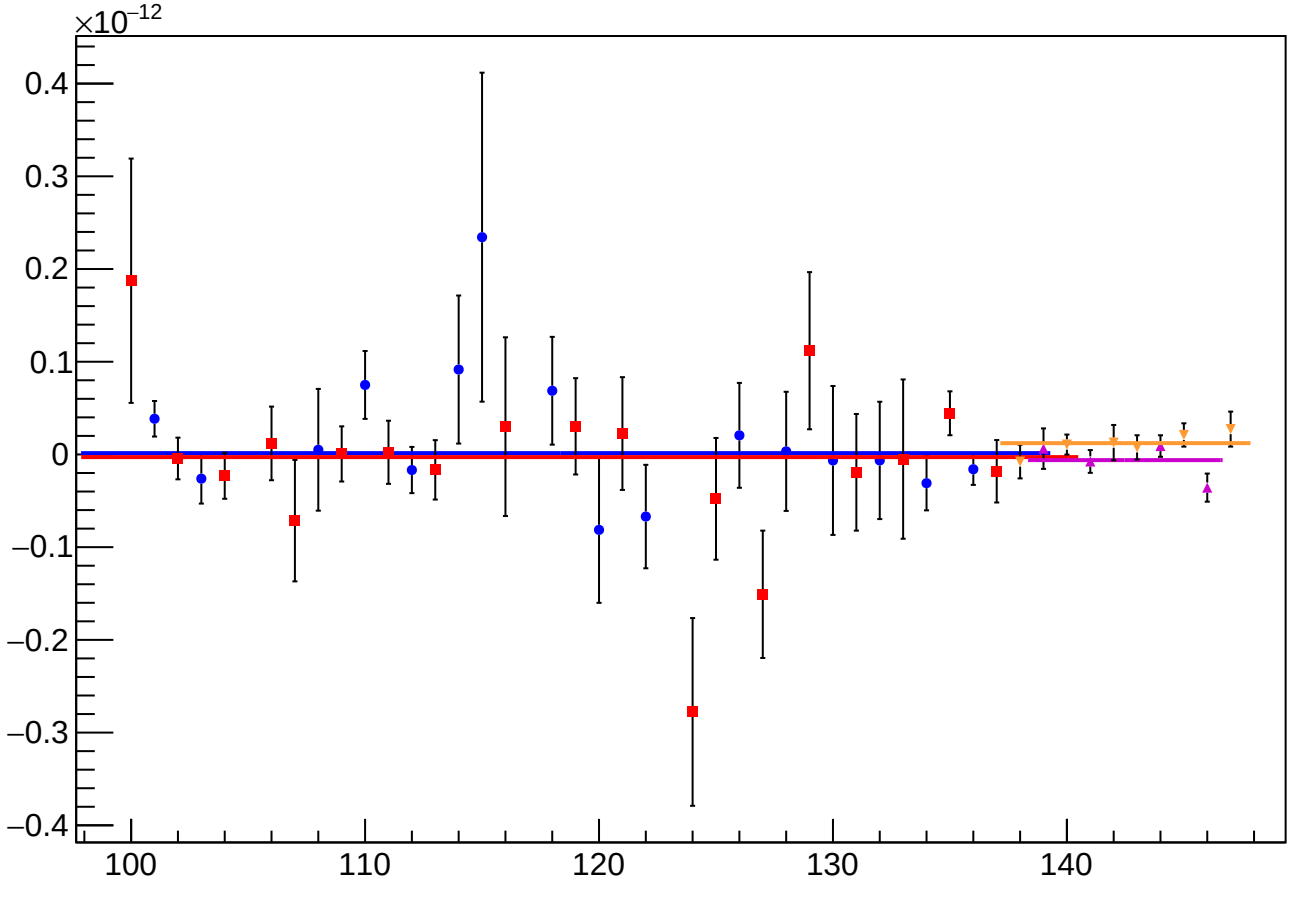
Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.004+/-0.007 χ^2/NDF: 46.9/44

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 50.053+/-0.017 χ²/NDF:414230.5/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 48.704+/-0.019 χ²/NDF:31652.3/3
+ sign 28.518+/-0.007 χ²/NDF: 4508309.1/21
All: 28.551+/-0.005 χ²/NDF: 7434788.8/44
- sign 28.584+/-0.007 χ²/NDF: 2926432.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/5

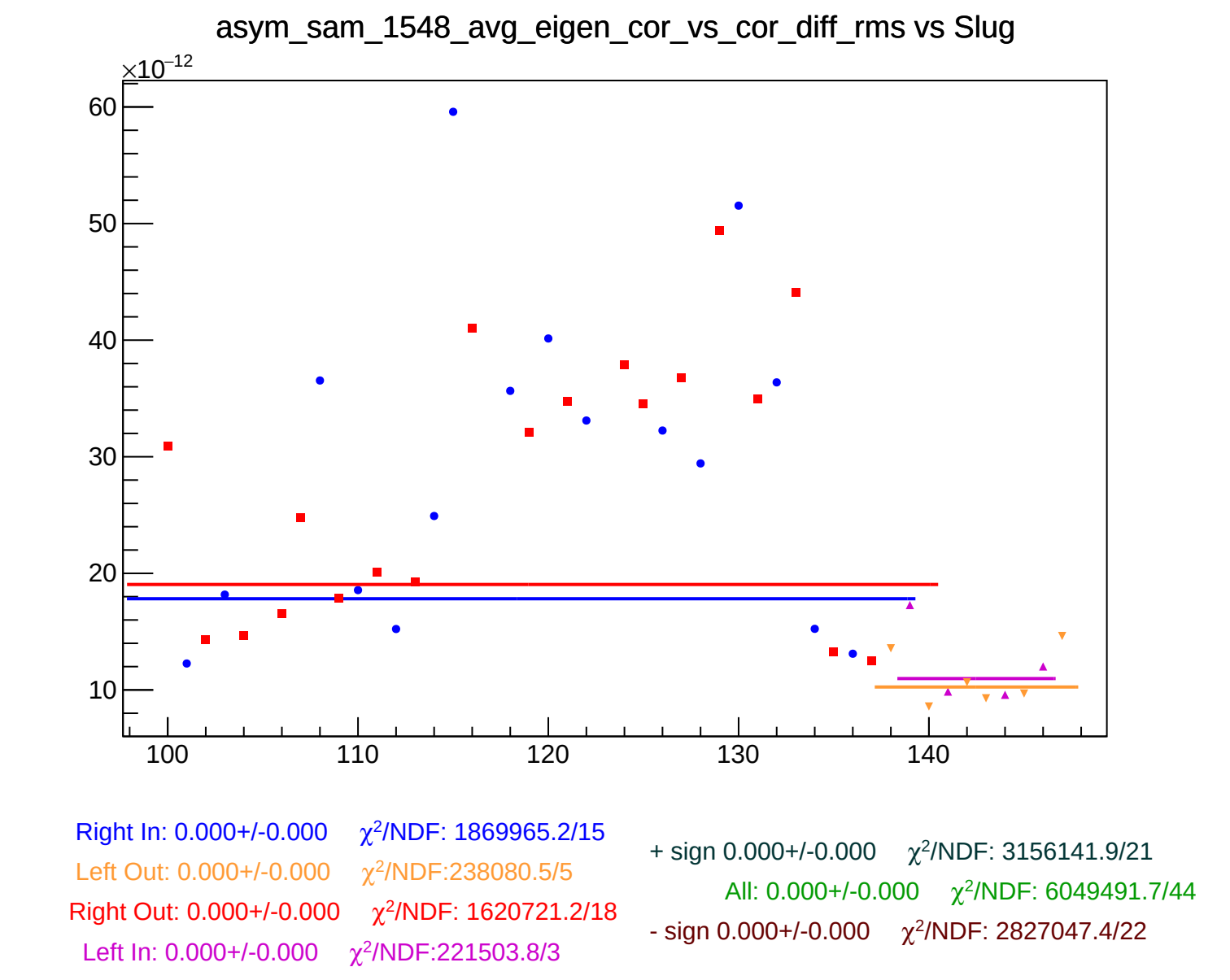
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/3

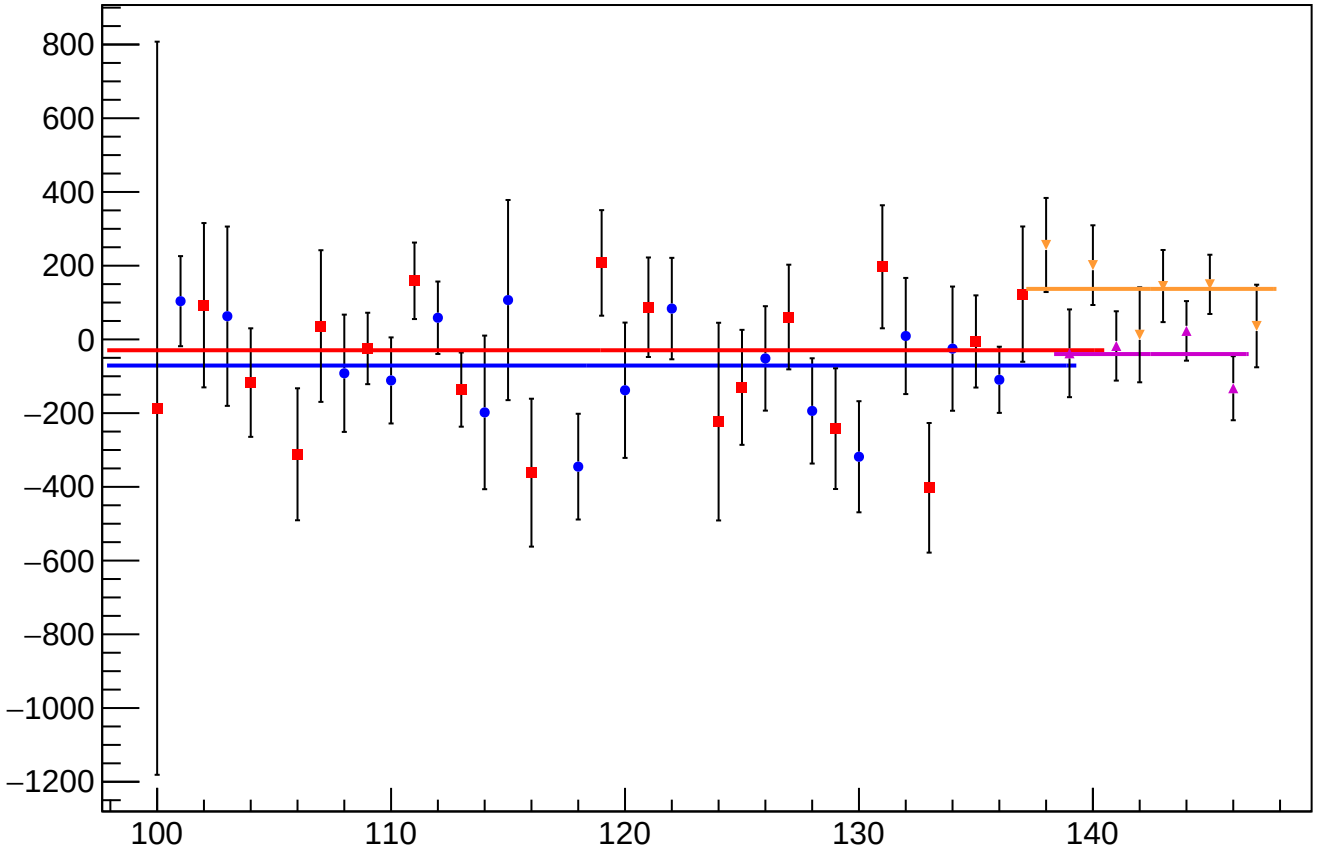
+ sign 0.000+/-0.000 χ^2/NDF: 22.3/21

All: 0.000+/-0.000 χ^2/NDF: 55.2/44

- sign -0.000+/-0.000 χ^2/NDF: 29.4/22


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:238080.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:221503.8/3
+ sign 0.000+/-0.000 χ²/NDF: 3156141.9/21
All: 0.000+/-0.000 χ²/NDF: 6049491.7/44
- sign 0.000+/-0.000 χ²/NDF: 2827047.4/22

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.066+/-42.785 χ^2/NDF:3.0/5

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

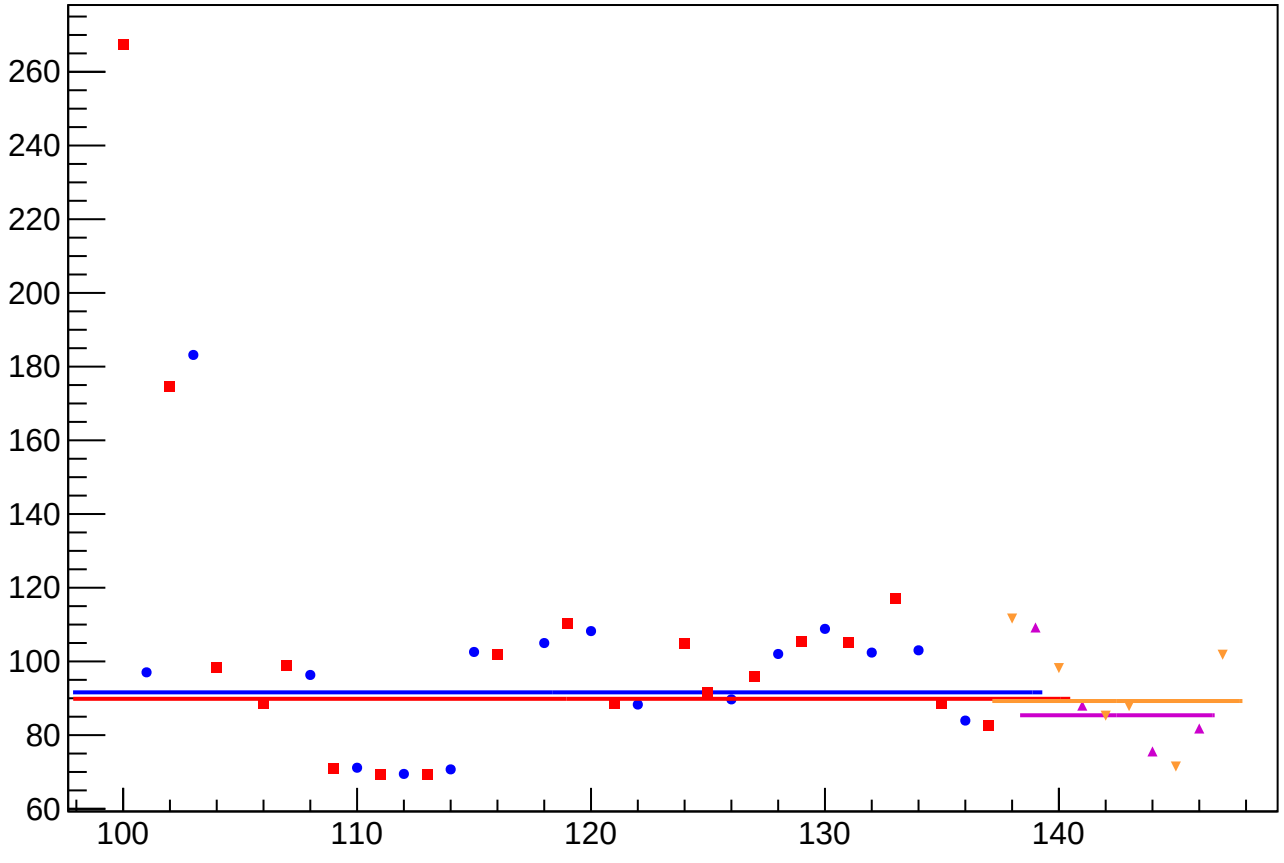
Left In: -39.730+/-46.164 χ^2/NDF:1.8/3

+ sign 12.828+/-27.147 χ^2/NDF: 31.2/21

All: -9.823+/-19.320 χ^2/NDF: 58.4/44

- sign -33.073+/-27.503 χ^2/NDF: 25.8/22

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

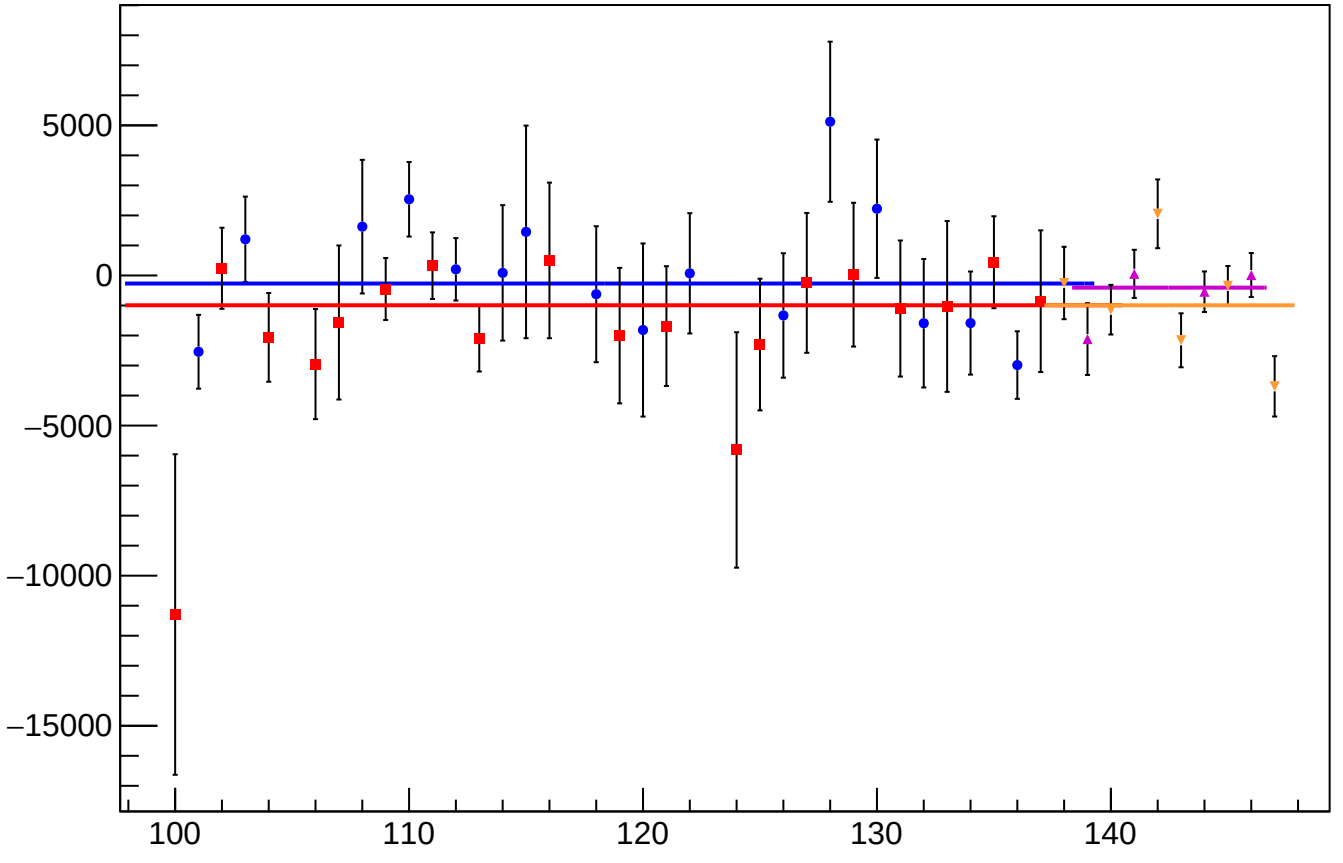
Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 90.661+/-0.019 χ^2/NDF: 784780.7/21

All: 89.481+/-0.014 χ^2/NDF: 1665378.4/44

- sign 88.270+/-0.019 χ^2/NDF: 872940.1/22

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -993.983+/-366.755 χ^2/NDF:17.3/5

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

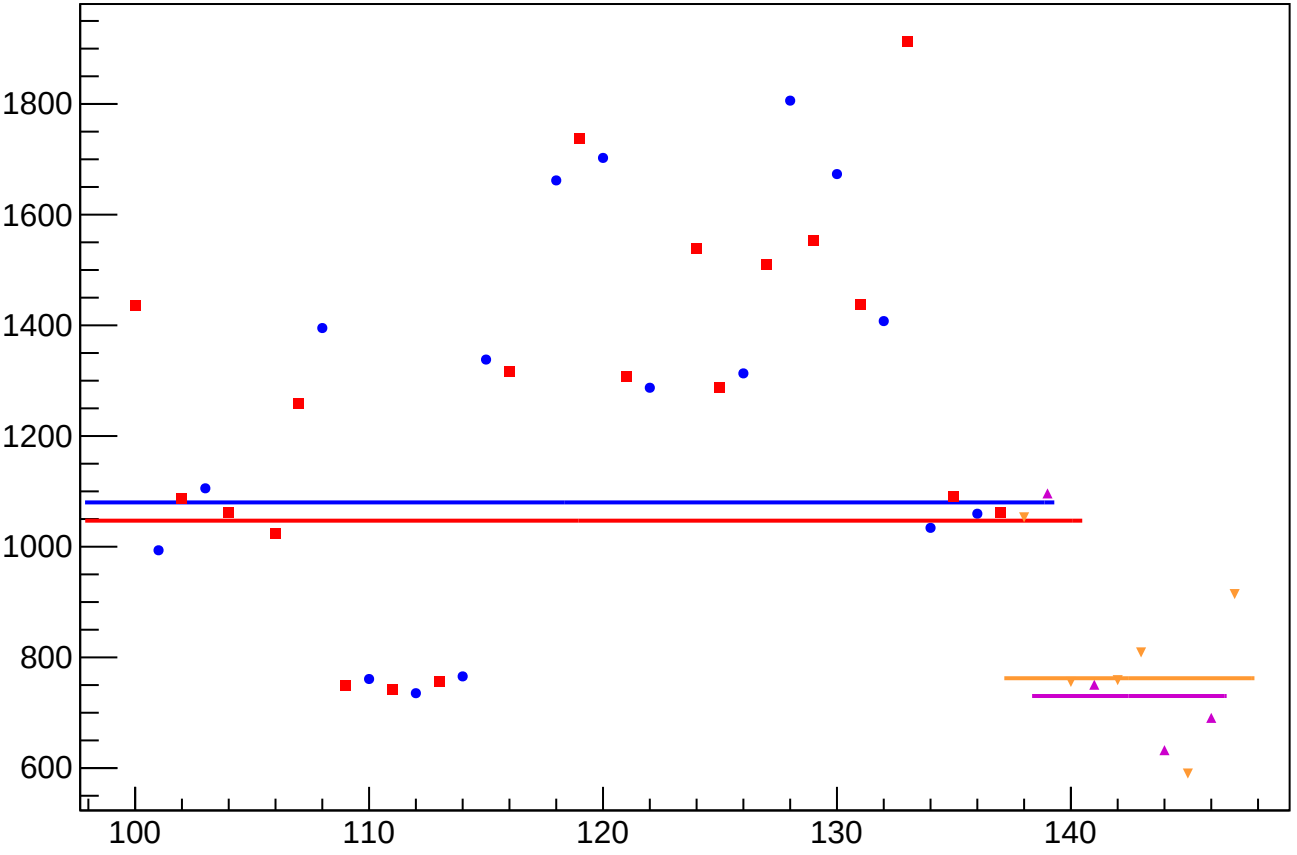
Left In: -405.379+/-398.110 χ^2/NDF:2.7/3

+ sign -679.751+/-276.134 χ^2/NDF: 42.5/21

All: -688.195+/-197.455 χ^2/NDF: 59.0/44

- sign -697.029+/-282.461 χ^2/NDF: 16.5/22

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 762.350+/-0.259 χ^2/NDF:303728.5/5

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

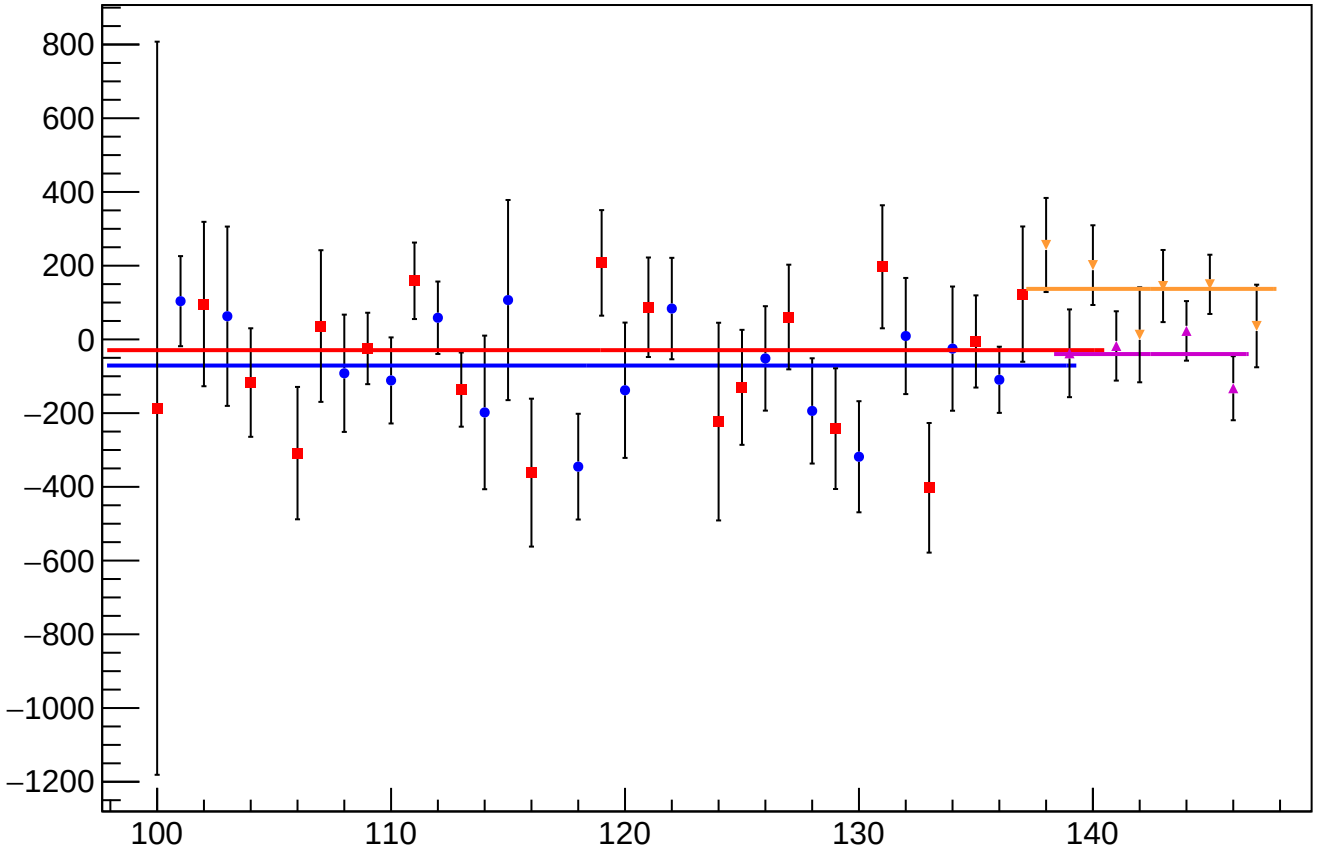
Left In: 730.237+/-0.282 χ^2/NDF:236446.3/3

+ sign 899.952+/-0.195 χ^2/NDF: 2007196.0/21

All: 893.904+/-0.140 χ^2/NDF: 4073304.7/44

- sign 887.576+/-0.200 χ^2/NDF: 2064145.4/22

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

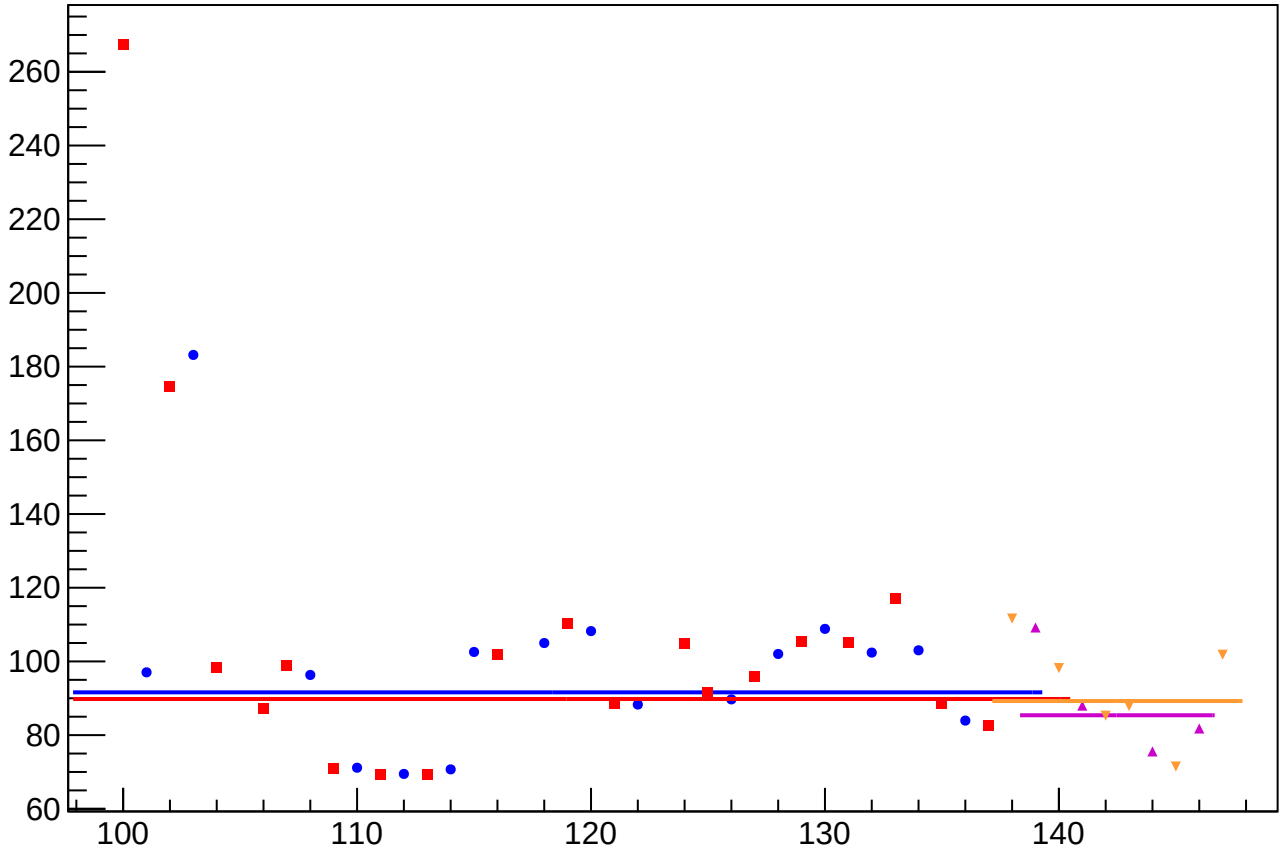
Left In: -39.736+/-46.164 χ^2/NDF:1.8/3

+ sign 12.827+/-27.147 χ^2/NDF: 31.2/21

All: -9.744+/-19.321 χ^2/NDF: 58.4/44

- sign -32.914+/-27.505 χ^2/NDF: 25.8/22

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

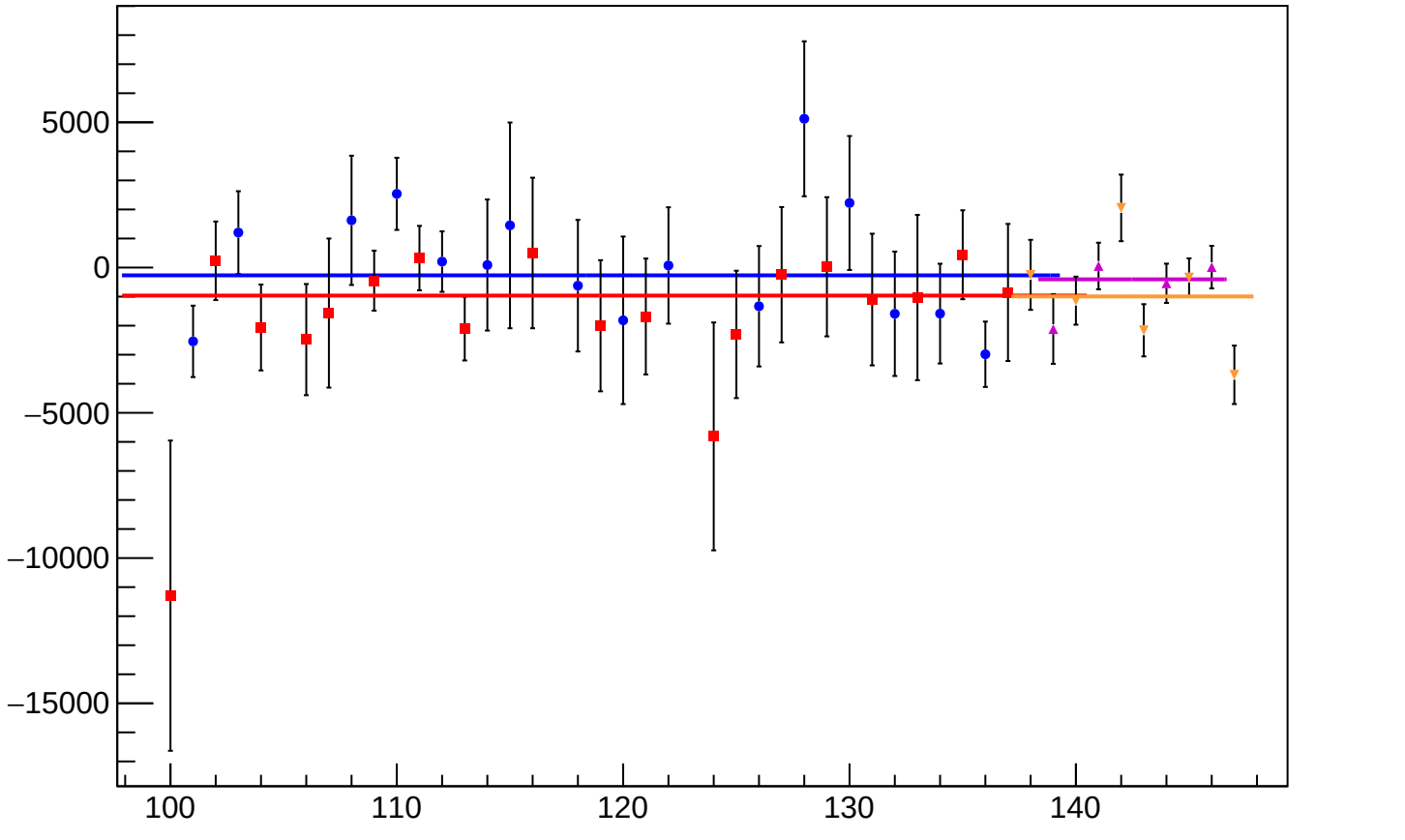
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 90.661+/-0.019 χ^2/NDF: 784783.8/21

All: 89.466+/-0.014 χ^2/NDF: 1665868.0/44

- sign 88.239+/-0.019 χ^2/NDF: 873228.2/22



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

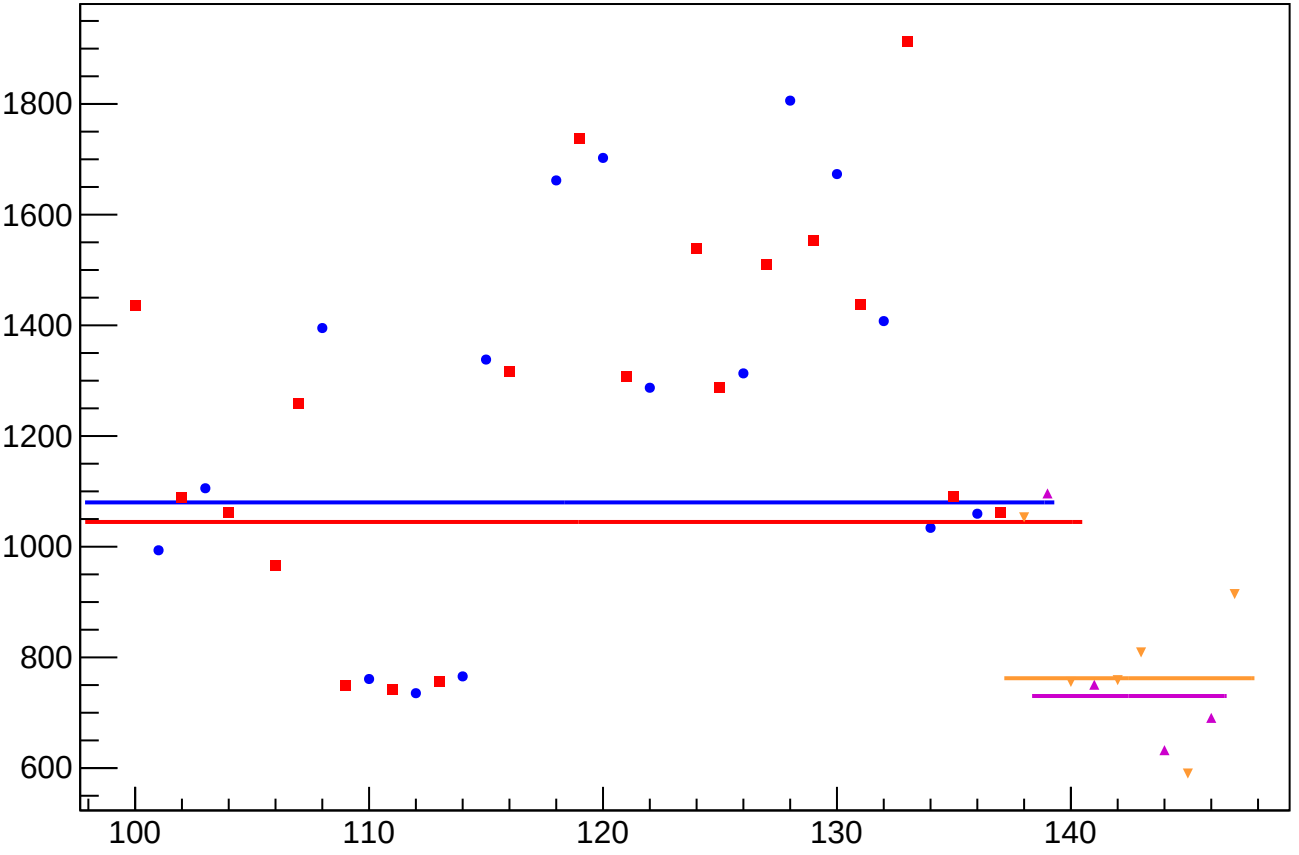
Left In: -405.388+/-398.110 χ^2/NDF:2.7/3

+ sign -679.755+/-276.134 χ^2/NDF: 42.5/21

All: -681.203+/-197.552 χ^2/NDF: 58.3/44

- sign -682.722+/-282.744 χ^2/NDF: 15.8/22

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

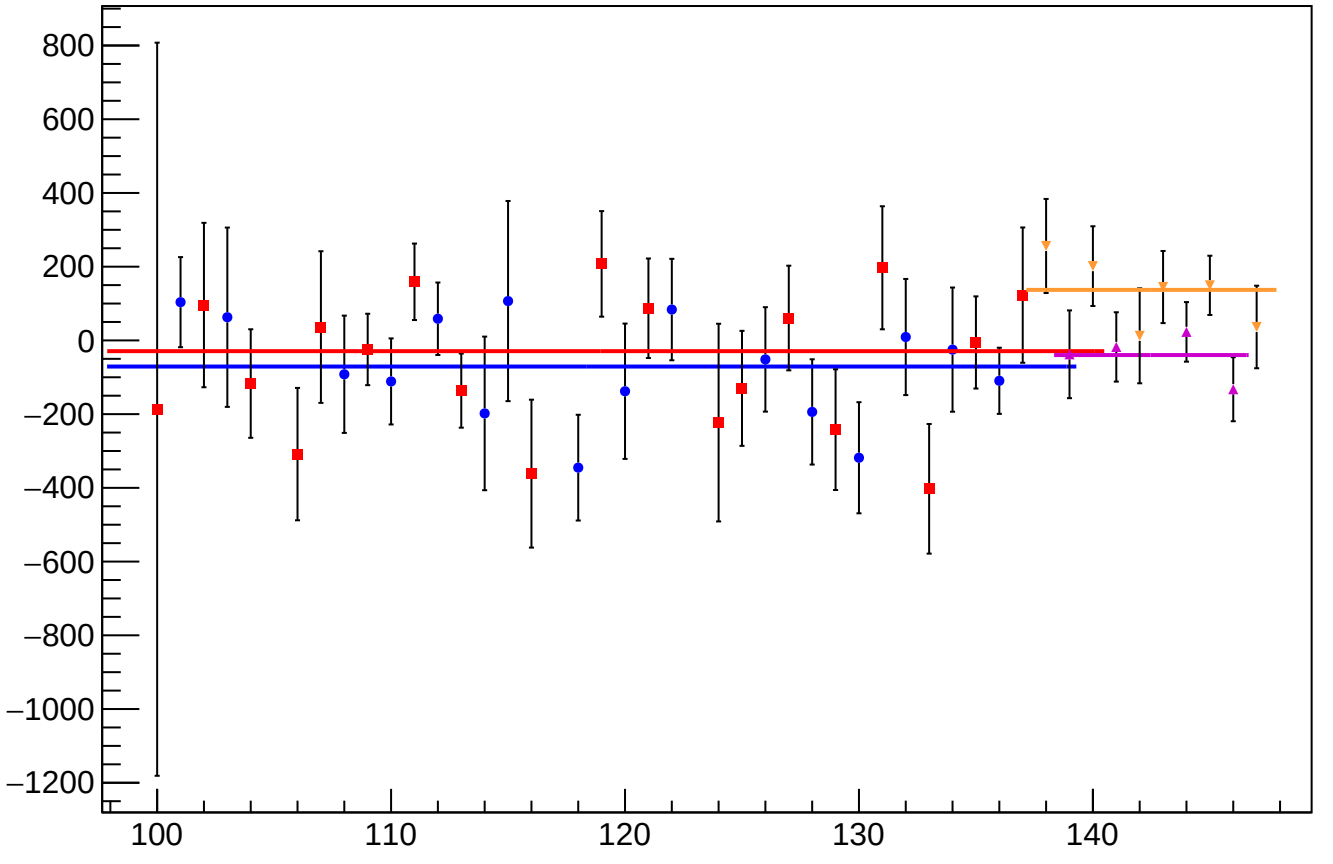
Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

+ sign 899.954+/-0.195 χ^2/NDF: 2007234.8/21

All: 893.187+/-0.140 χ^2/NDF: 4066459.8/44

- sign 886.092+/-0.200 χ^2/NDF: 2056764.5/22

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

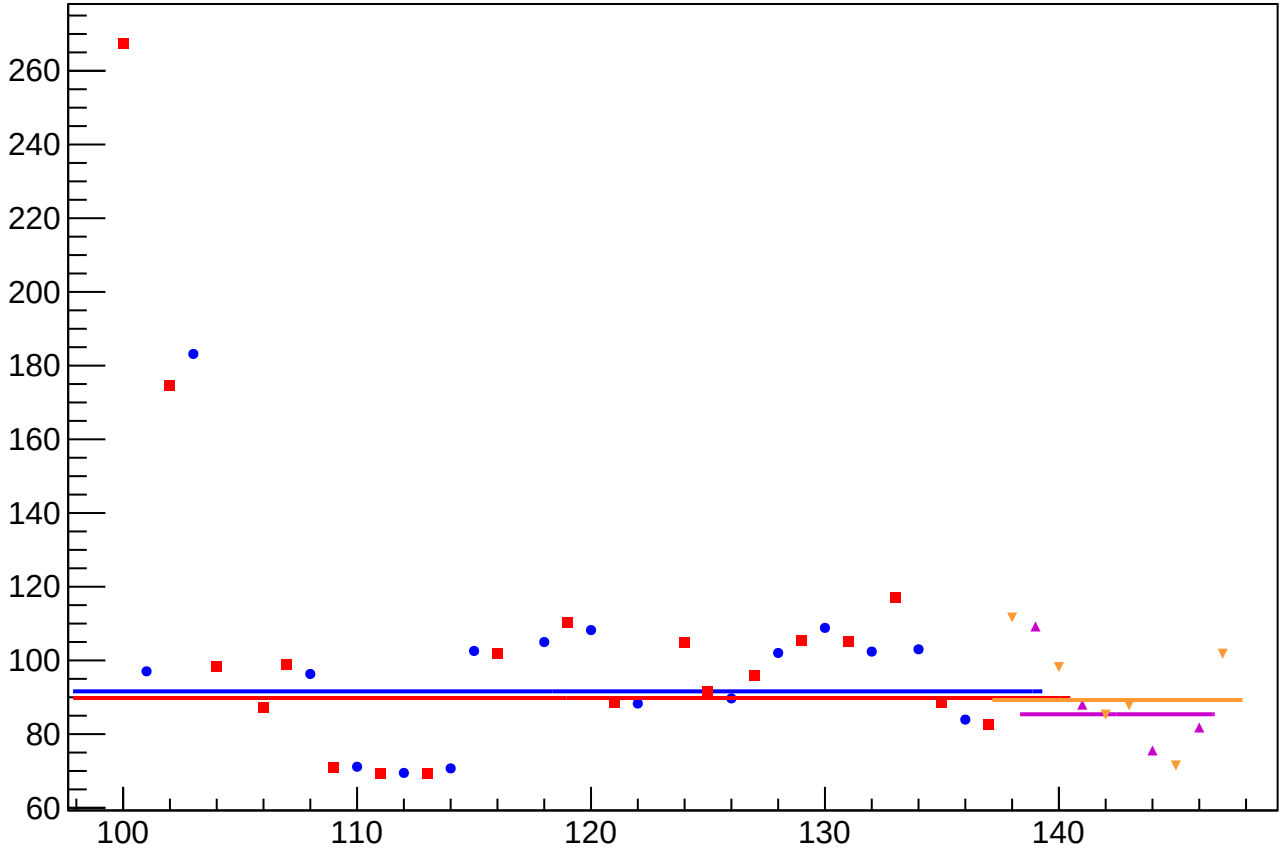
Left In: -39.736+/-46.164 χ^2/NDF:1.8/3

+ sign 12.827+/-27.147 χ^2/NDF: 31.2/21

All: -9.744+/-19.321 χ^2/NDF: 58.4/44

- sign -32.914+/-27.505 χ^2/NDF: 25.8/22

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

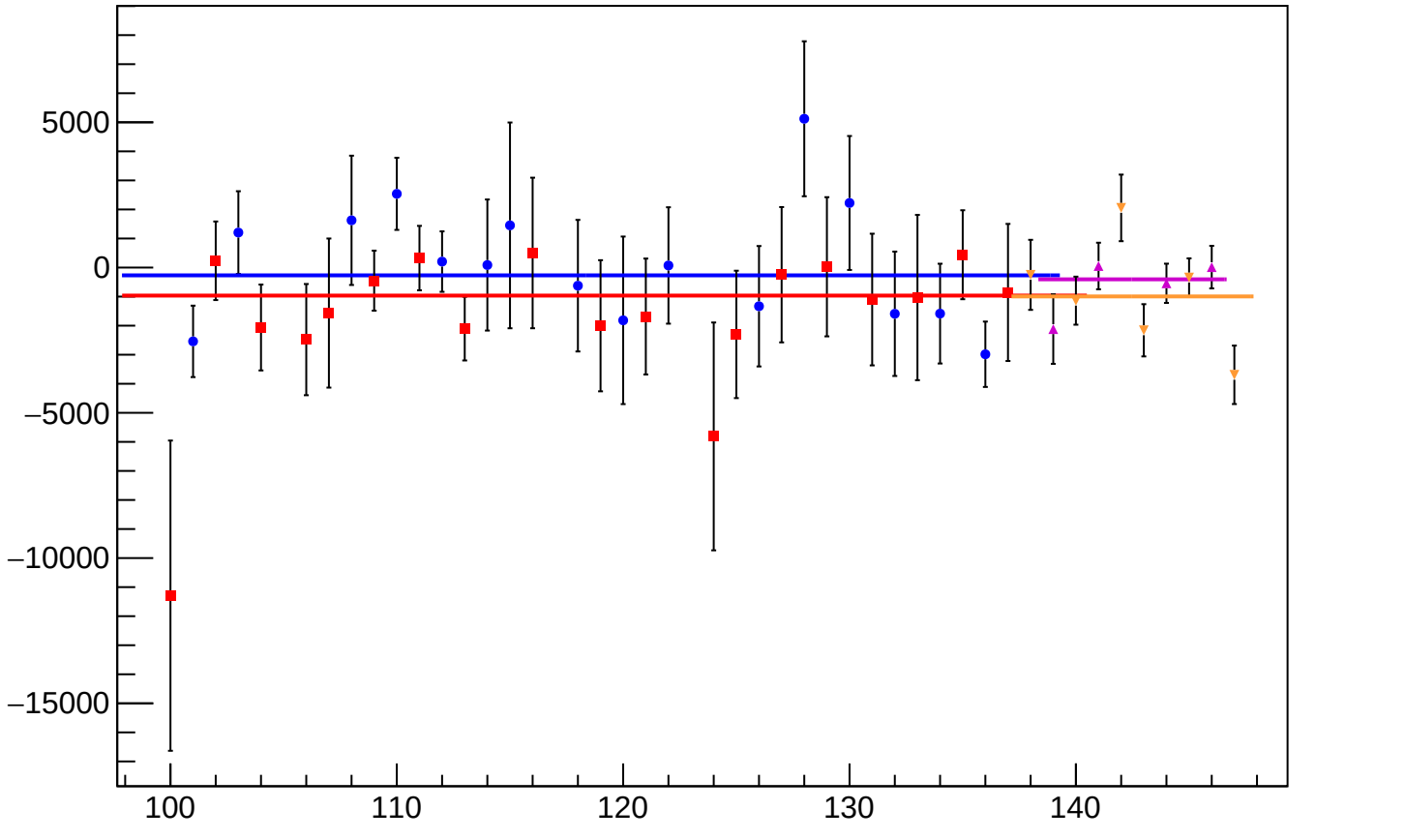
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 90.661+/-0.019 χ^2/NDF: 784783.8/21

All: 89.466+/-0.014 χ^2/NDF: 1665868.0/44

- sign 88.239+/-0.019 χ^2/NDF: 873228.2/22



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

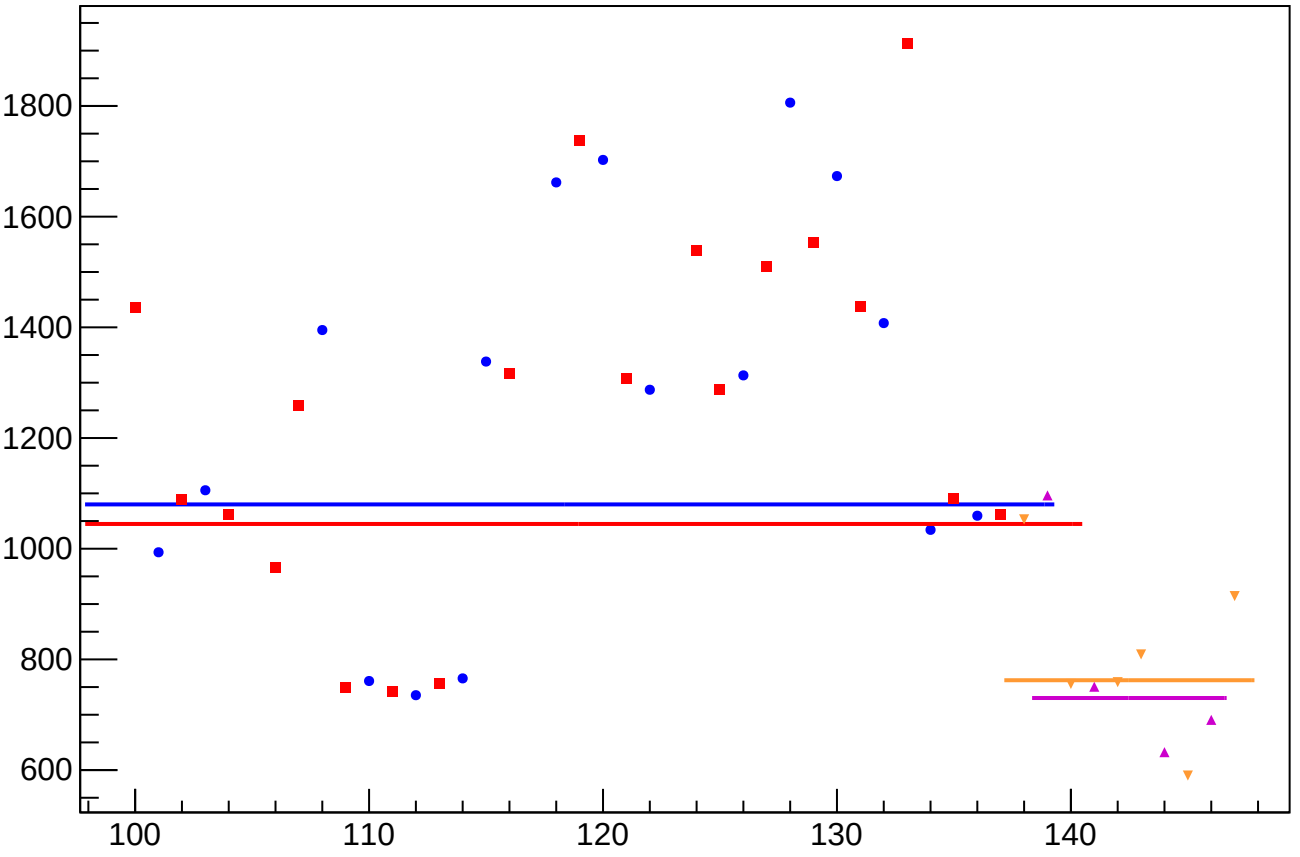
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -405.388+/-398.110 χ^2/NDF:2.7/3

+ sign -679.755+/-276.134 χ^2/NDF: 42.5/21

All: -681.203+/-197.552 χ^2/NDF: 58.3/44

- sign -682.722+/-282.744 χ^2/NDF: 15.8/22



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

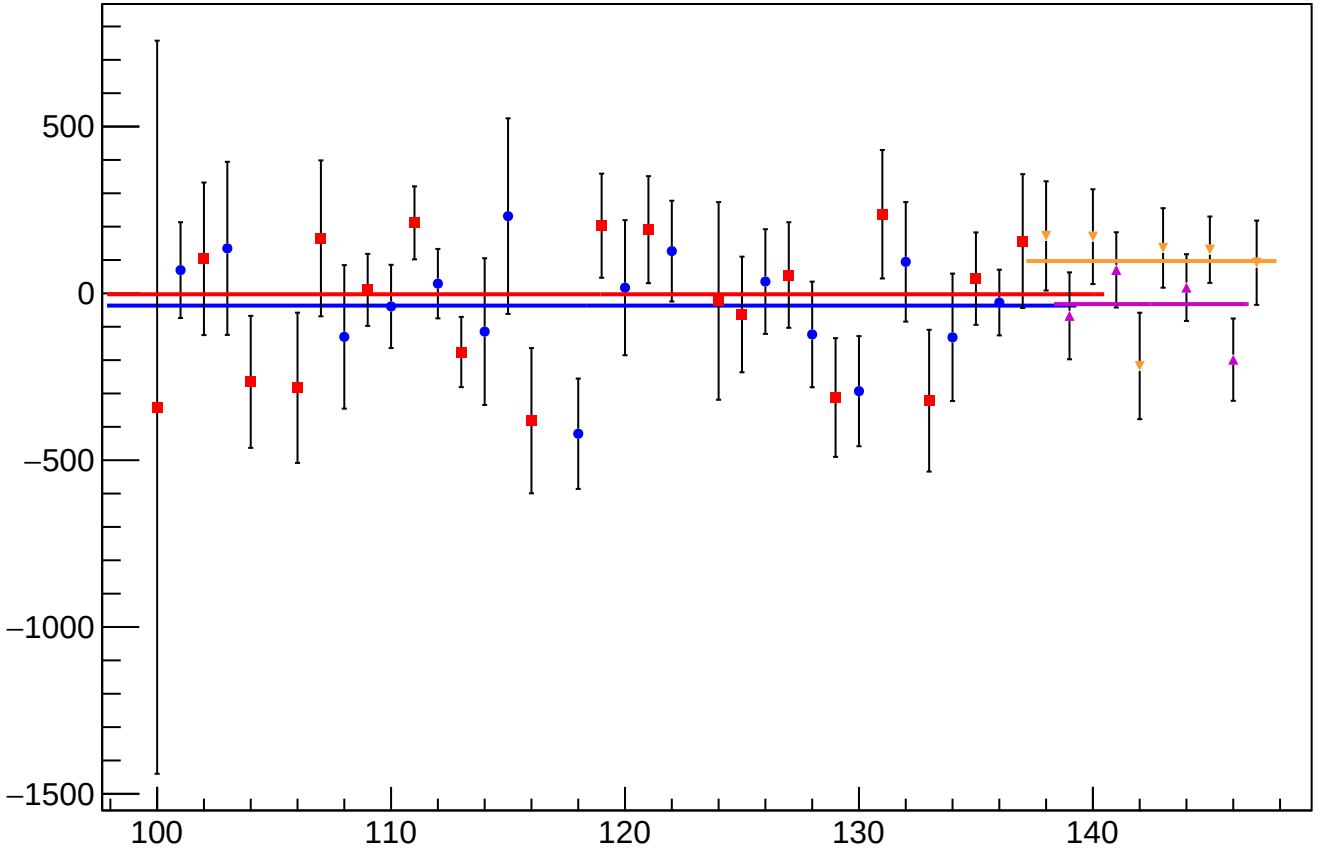
Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

+ sign 899.954+/-0.195 χ^2/NDF: 2007234.8/21

All: 893.187+/-0.140 χ^2/NDF: 4066459.8/44

- sign 886.092+/-0.200 χ^2/NDF: 2056764.5/22

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 96.865+/-52.691 χ^2/NDF:4.6/5

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

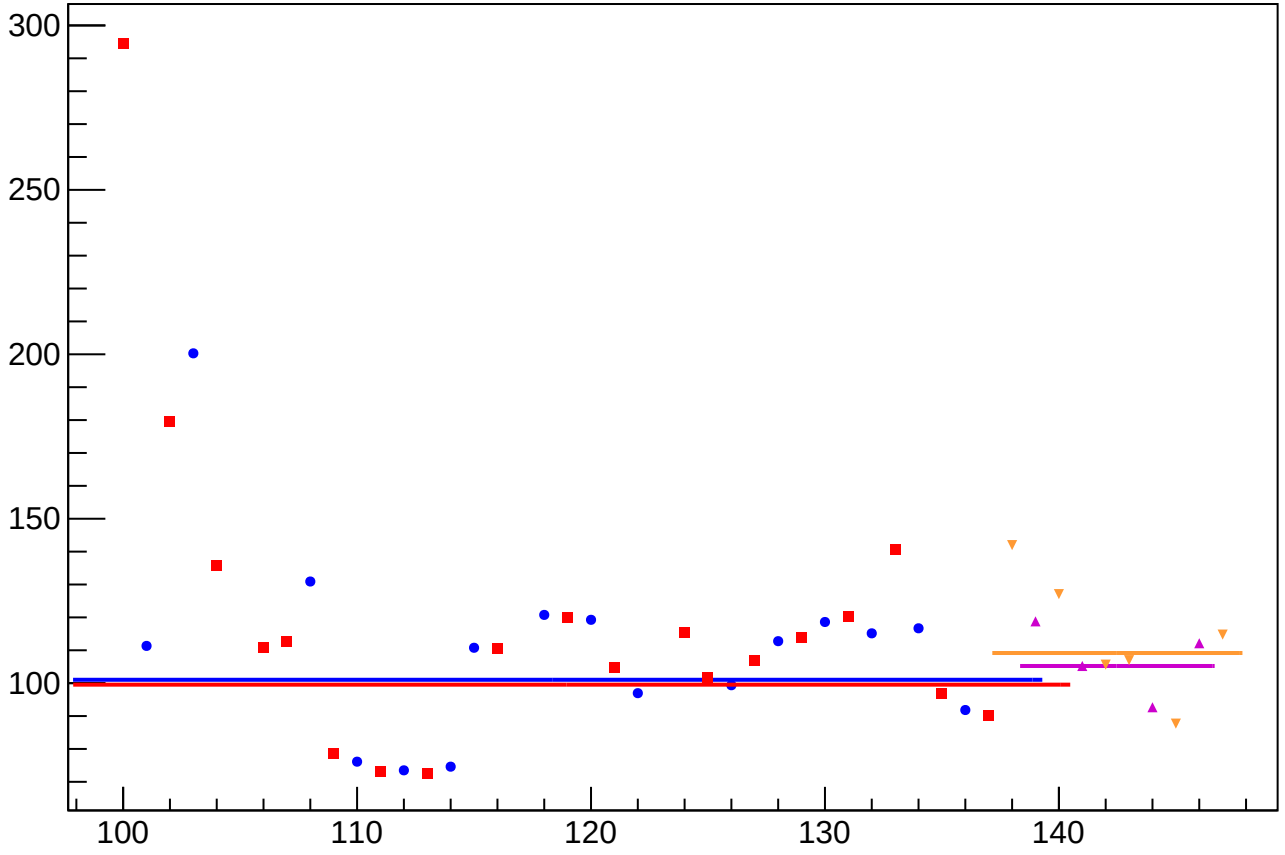
Left In: -32.110+/-57.413 χ^2/NDF:3.0/3

+ sign 10.630+/-31.343 χ^2/NDF: 21.6/21

All: -0.340+/-22.317 χ^2/NDF: 49.8/44

- sign -11.622+/-31.783 χ^2/NDF: 27.9/22

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 109.173+/-0.037 χ^2/NDF:210887.9/5

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

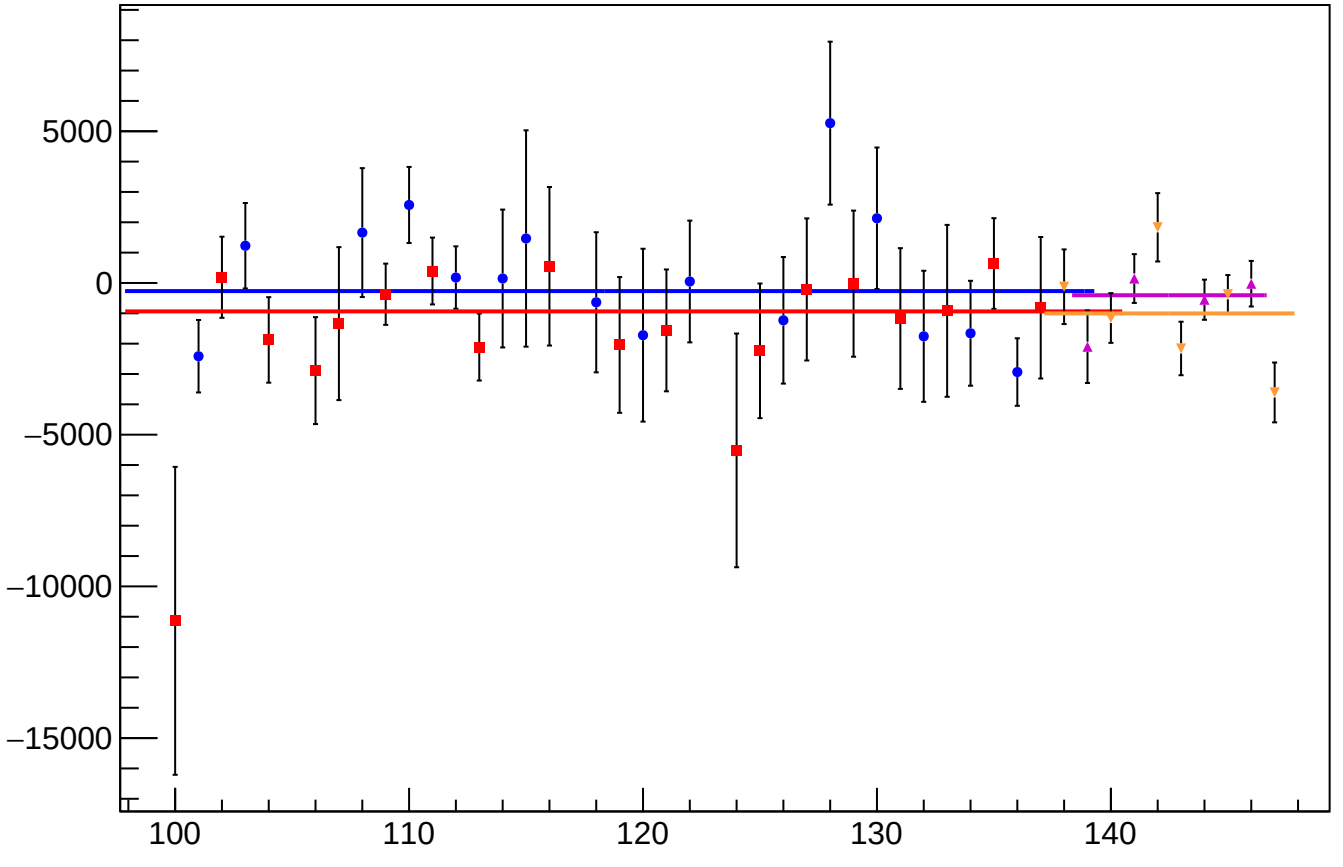
Left In: 105.223+/-0.041 χ^2/NDF:59513.9/3

+ sign 103.912+/-0.022 χ^2/NDF: 957837.0/21

All: 102.618+/-0.016 χ^2/NDF: 1918323.8/44

- sign 101.287+/-0.022 χ^2/NDF: 953568.9/22

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

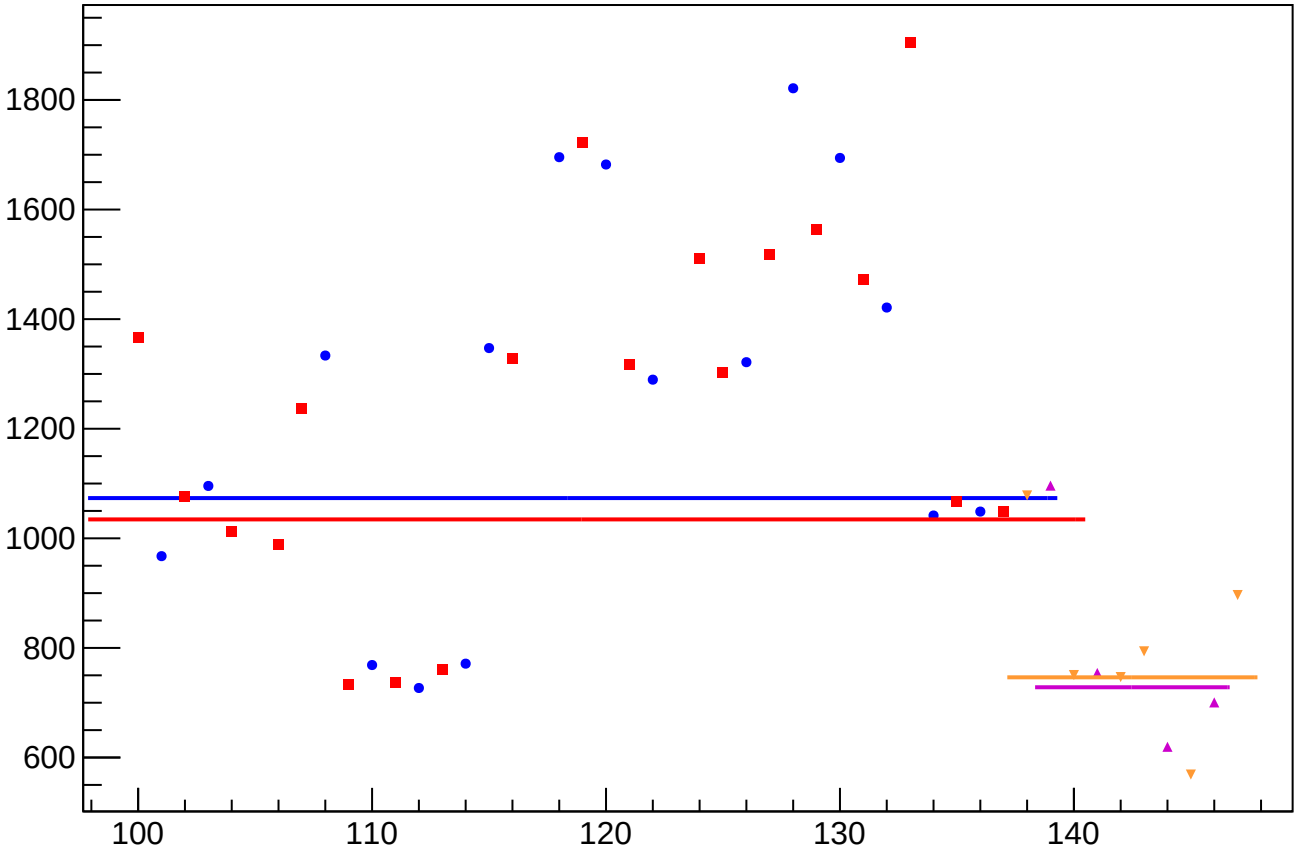
Left In: -404.161+/-398.316 χ^2/NDF:2.8/3

+ sign -690.298+/-272.247 χ^2/NDF: 41.8/21

All: -681.359+/-195.500 χ^2/NDF: 58.7/44

- sign -671.842+/-280.913 χ^2/NDF: 16.8/22

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 746.346+/-0.254 χ^2/NDF:354684.0/5

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

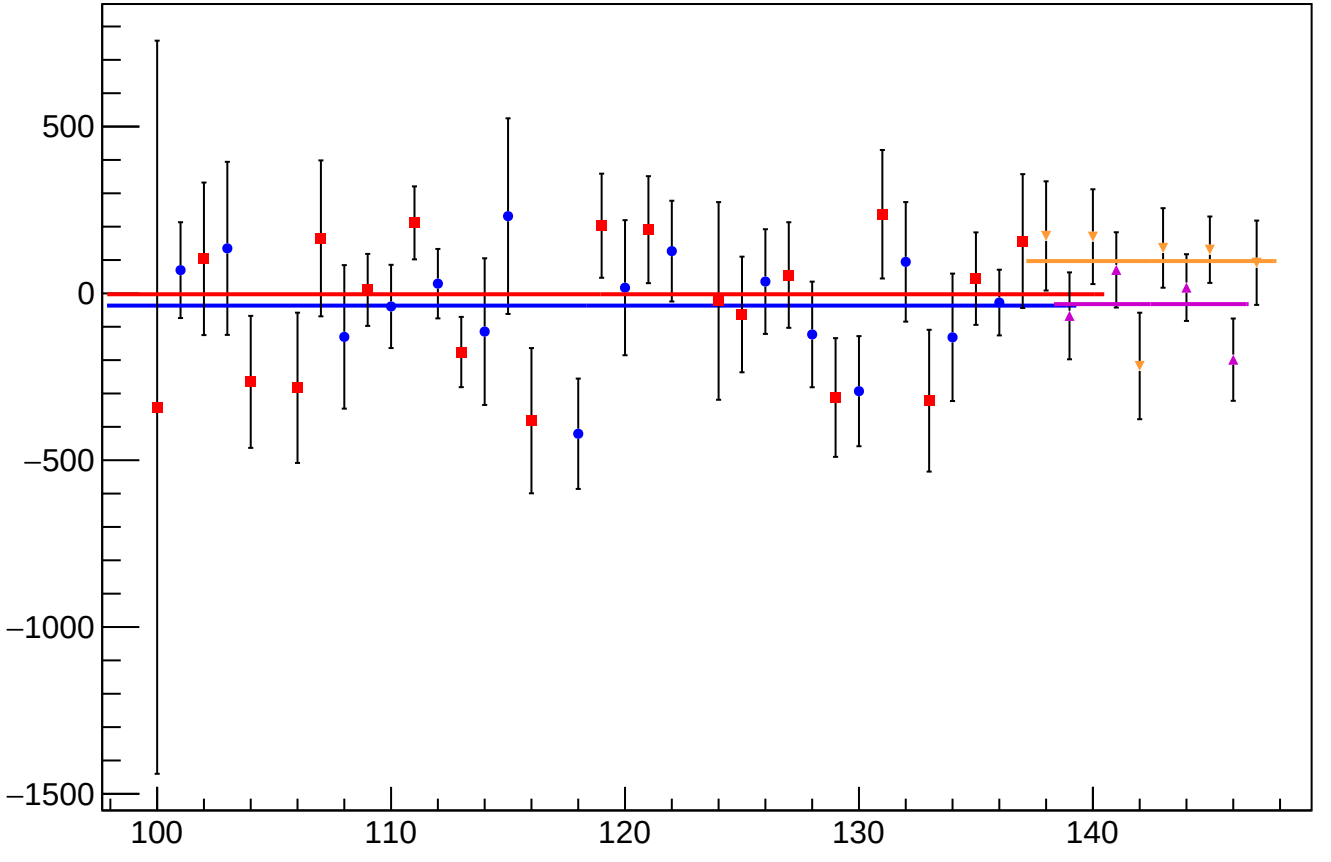
Left In: 728.219+/-0.282 χ^2/NDF:247942.2/3

+ sign 885.732+/-0.193 χ^2/NDF: 2137800.6/21

All: 884.012+/-0.138 χ^2/NDF: 4209752.4/44

- sign 882.180+/-0.199 χ^2/NDF: 2071786.9/22

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 96.864+/-52.691 χ^2/NDF:4.6/5

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

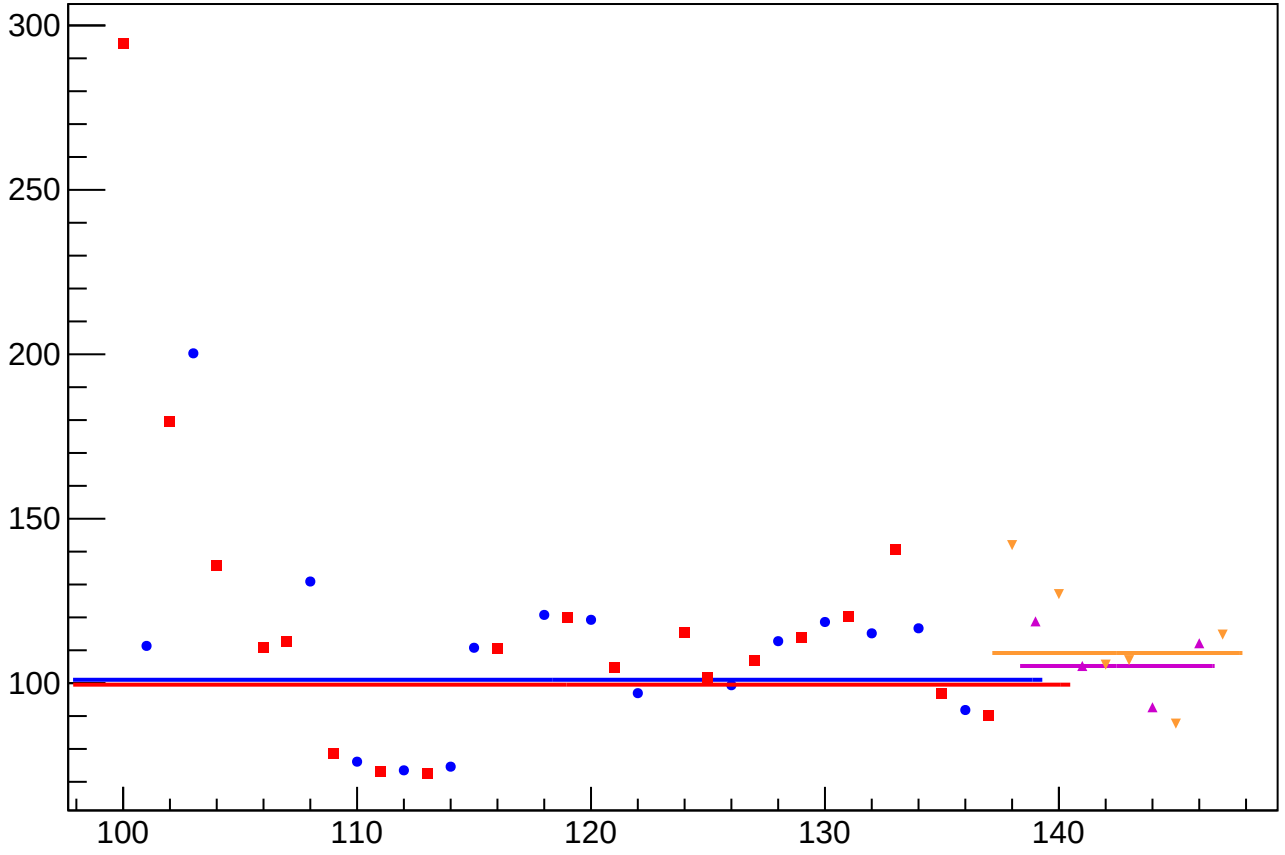
Left In: -32.111+/-57.414 χ^2/NDF:3.0/3

+ sign 10.631+/-31.343 χ^2/NDF: 21.6/21

All: -0.339+/-22.317 χ^2/NDF: 49.8/44

- sign -11.620+/-31.783 χ^2/NDF: 27.9/22

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 109.173+/-0.037 χ^2/NDF:210879.9/5

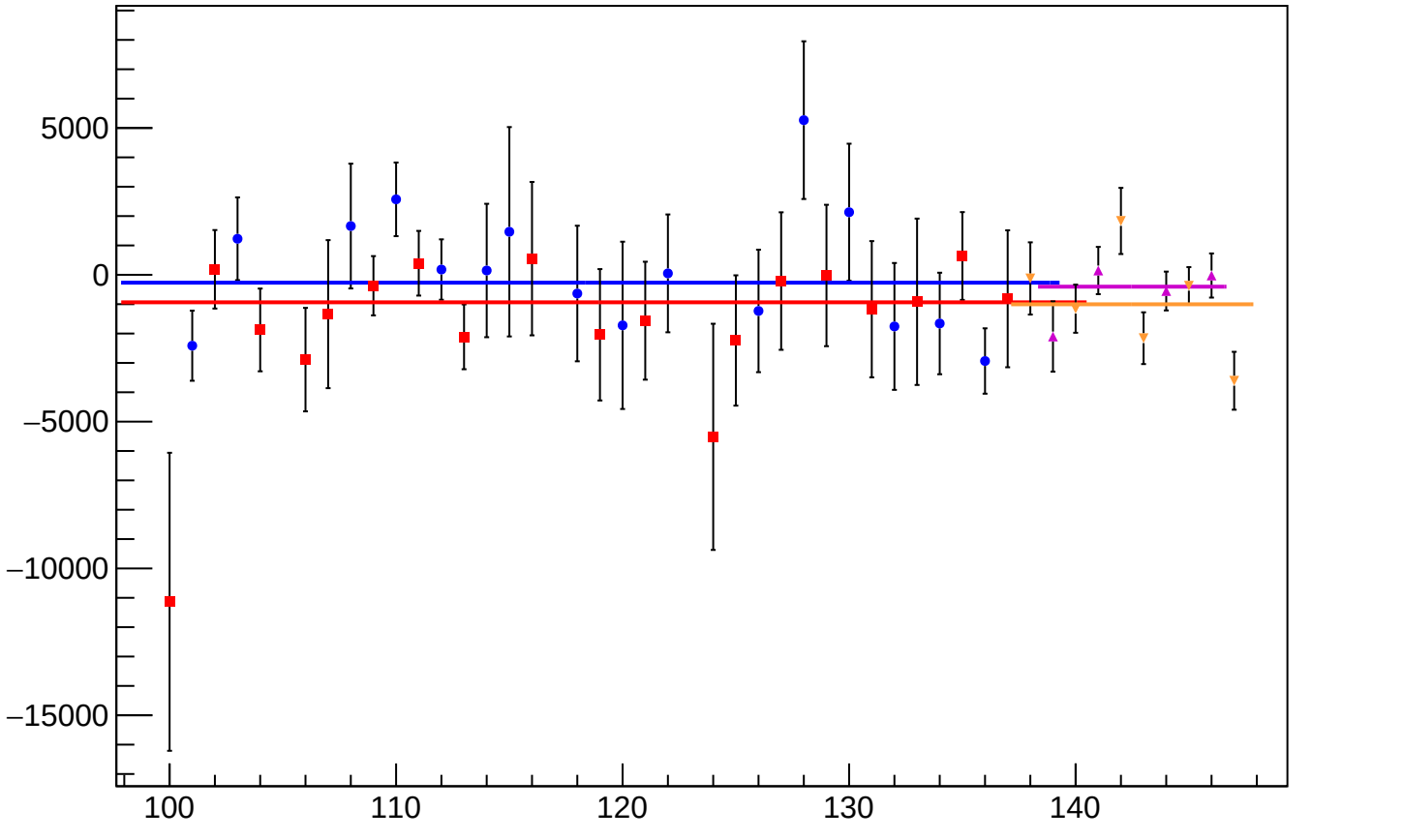
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.224+/-0.041 χ^2/NDF:59512.2/3

+ sign 103.912+/-0.022 χ^2/NDF: 957830.7/21

All: 102.618+/-0.016 χ^2/NDF: 1918319.6/44

- sign 101.287+/-0.022 χ^2/NDF: 953570.7/22



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

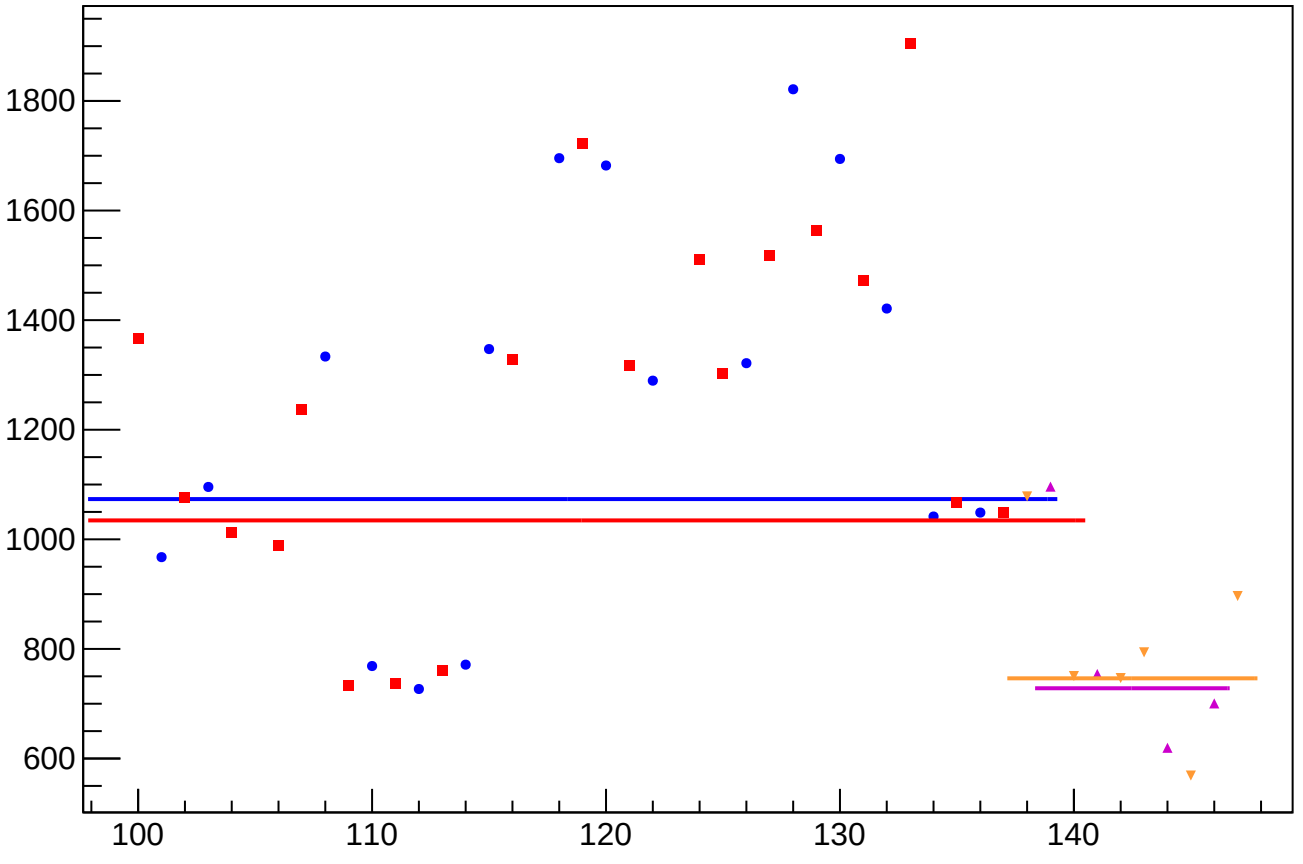
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -404.161+/-398.315 χ^2/NDF:2.8/3

+ sign -690.298+/-272.247 χ^2/NDF: 41.8/21

All: -681.359+/-195.500 χ^2/NDF: 58.7/44

- sign -671.842+/-280.913 χ^2/NDF: 16.8/22



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 746.344+/-0.254 χ^2/NDF:354686.8/5

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

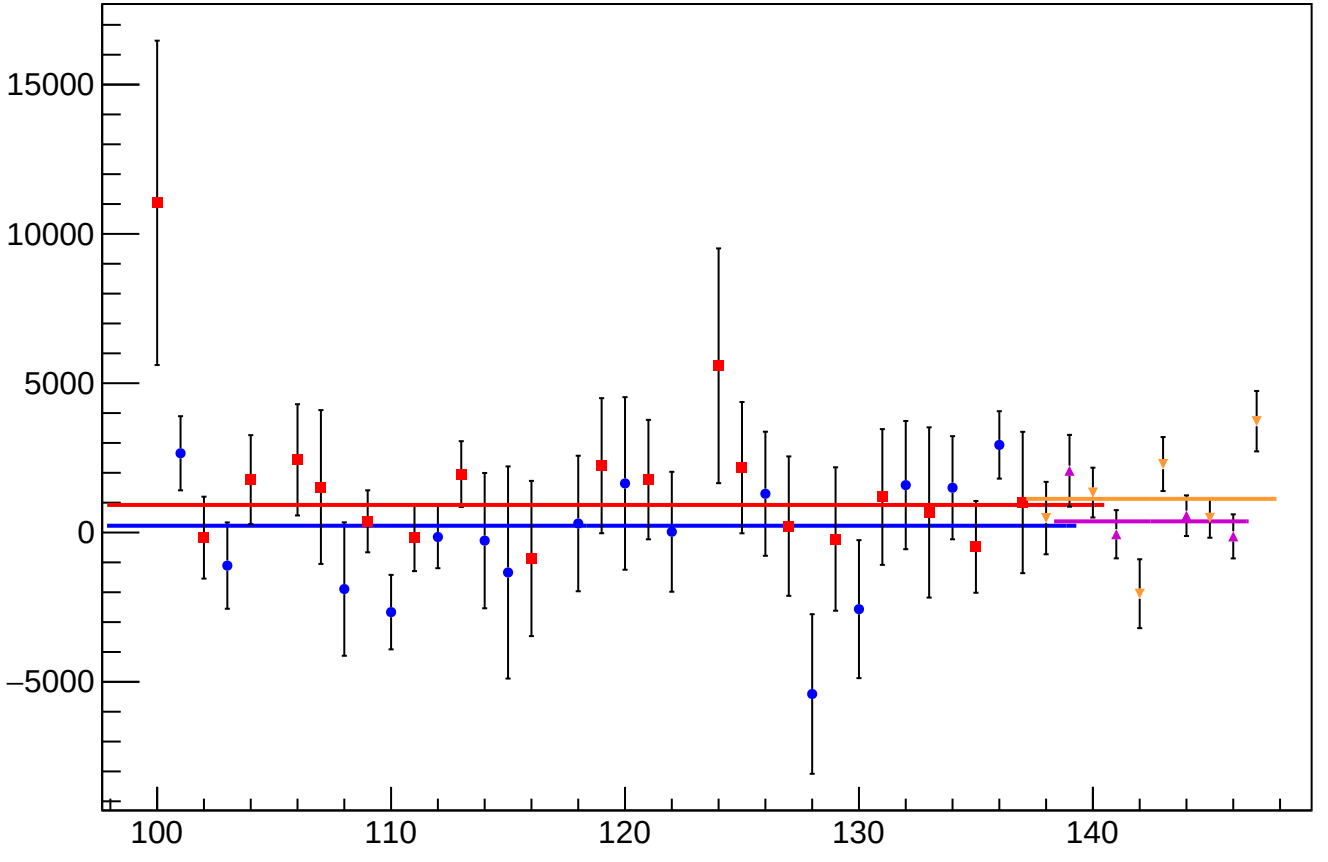
Left In: 728.219+/-0.282 χ^2/NDF:247942.3/3

+ sign 885.731+/-0.193 χ^2/NDF: 2137808.8/21

All: 884.010+/-0.138 χ^2/NDF: 4209761.5/44

- sign 882.178+/-0.199 χ^2/NDF: 2071787.8/22

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1127.360+/-369.355 χ^2/NDF:17.1/5

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

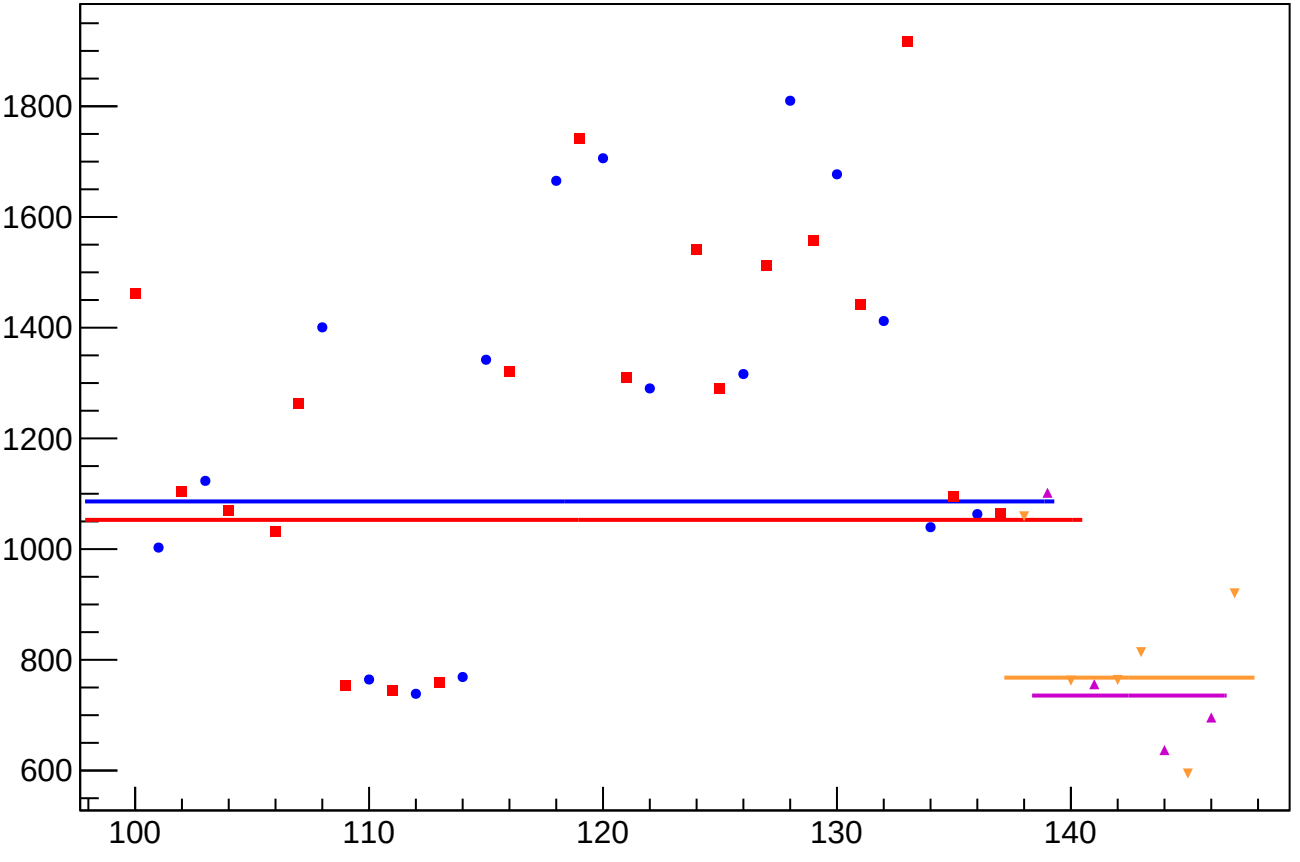
Left In: 373.398+/-400.883 χ^2/NDF:2.8/3

+ sign 736.861+/-277.887 χ^2/NDF: 44.1/21

All: 692.950+/-198.707 χ^2/NDF: 59.1/44

- sign 647.005+/-284.248 χ^2/NDF: 14.9/22

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 767.838+/-0.261 χ^2/NDF:301798.6/5

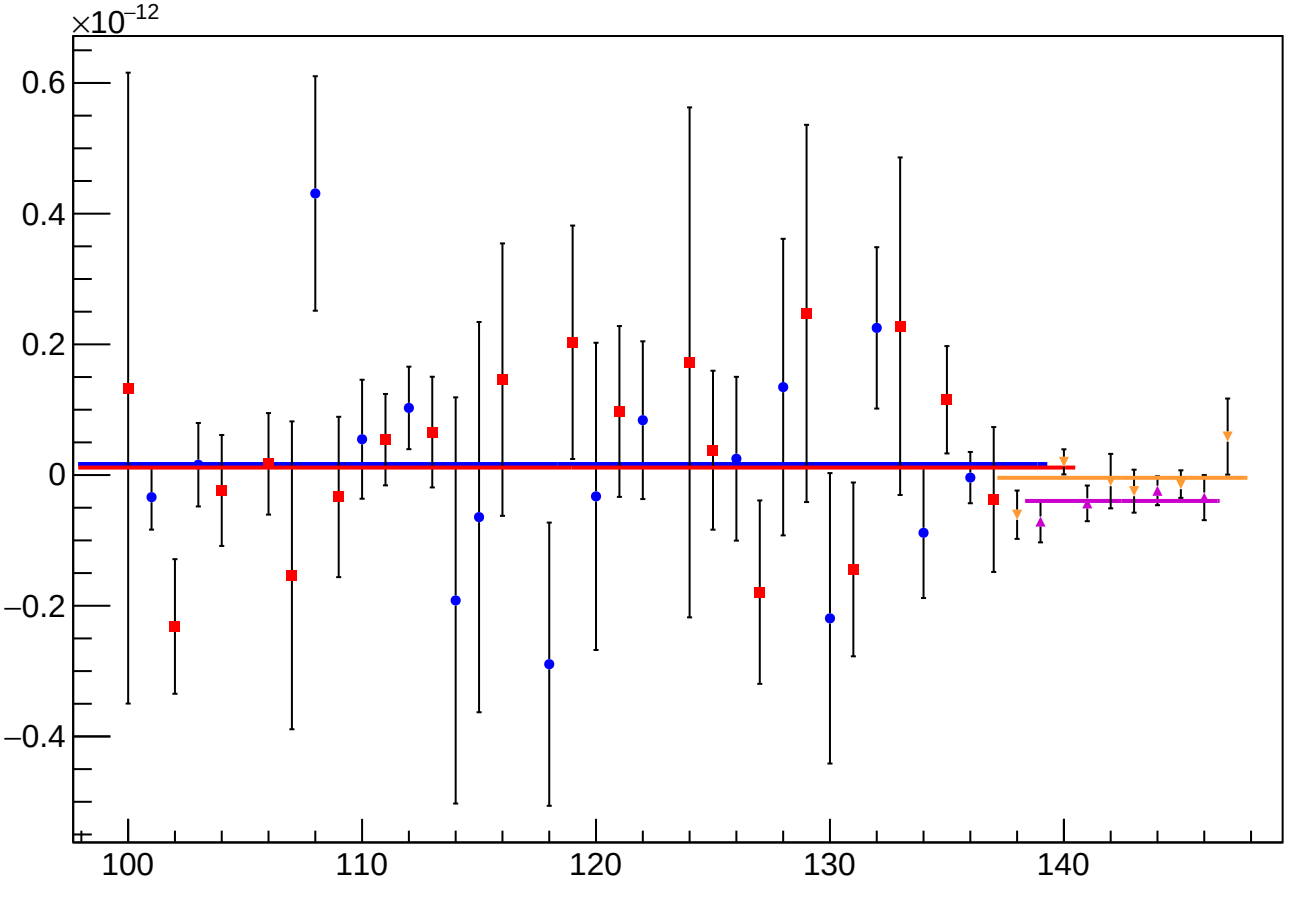
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 735.434+/-0.283 χ^2/NDF:234774.1/3

+ sign 905.966+/-0.196 χ^2/NDF: 1993834.2/21

All: 899.755+/-0.141 χ^2/NDF: 4048472.0/44

- sign 893.256+/-0.201 χ^2/NDF: 2052593.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

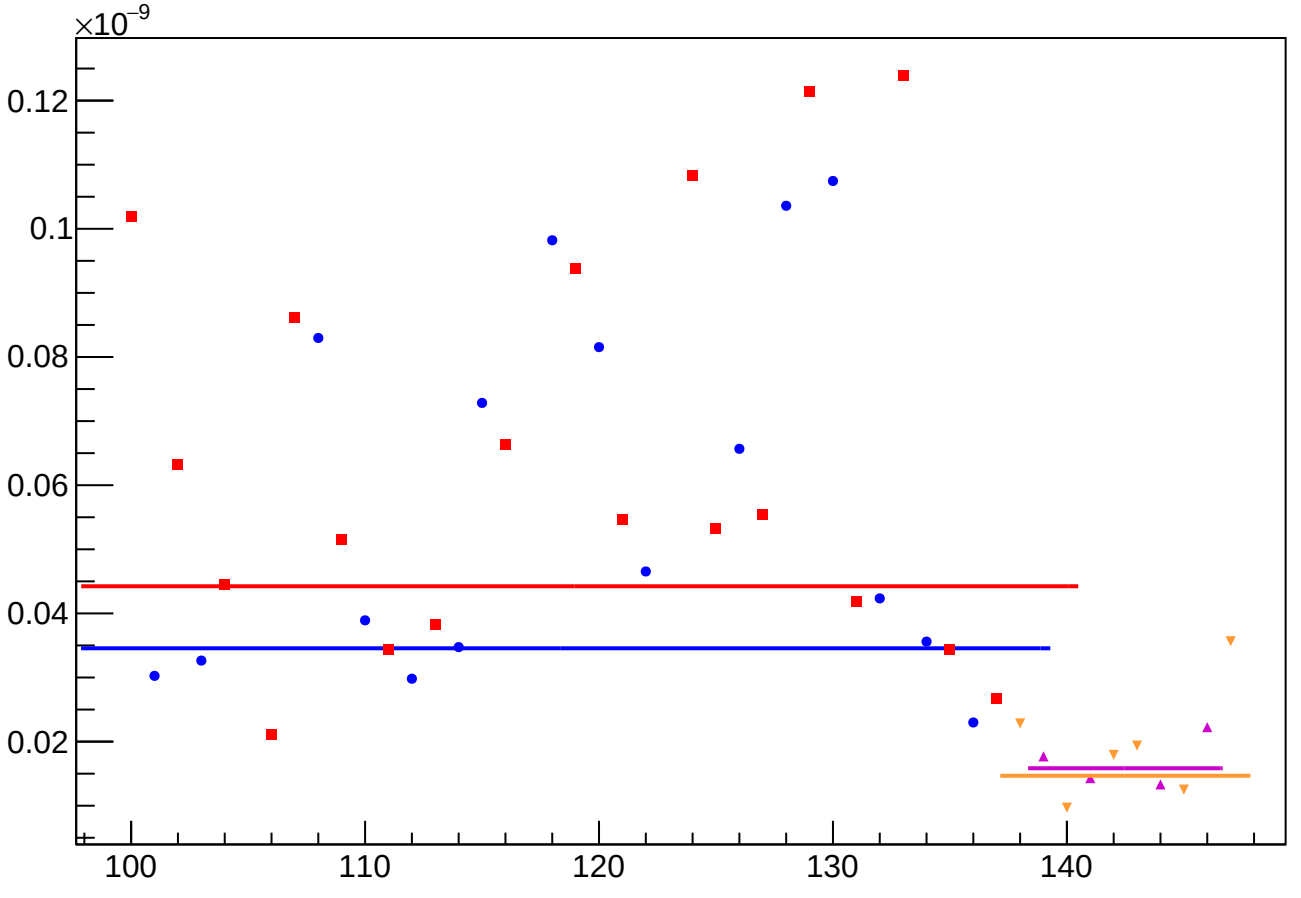
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/21

All: -0.000+/-0.000 χ^2/NDF: 46.9/44

- sign -0.000+/-0.000 χ^2/NDF: 20.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:566077.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

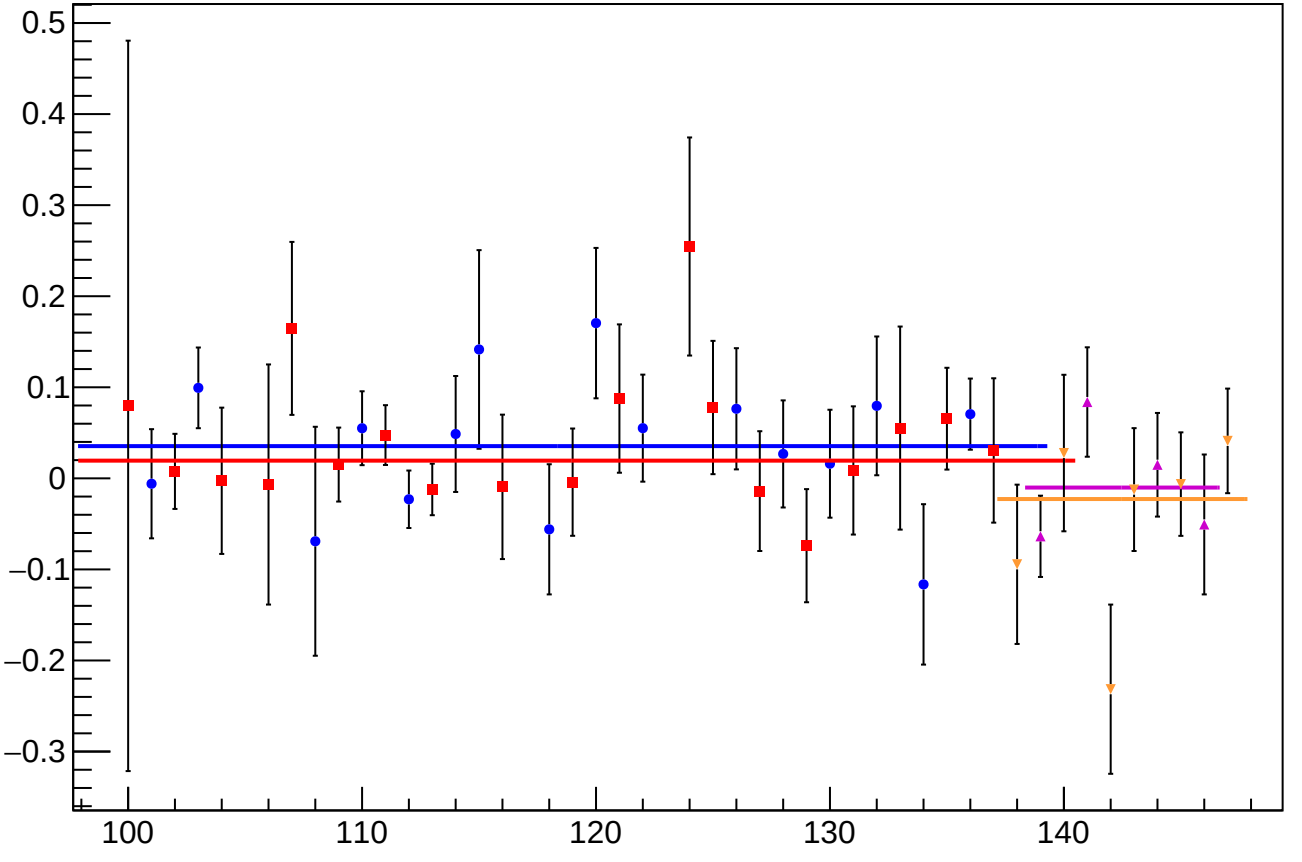
Left In: 0.000+/-0.000 χ^2/NDF:108042.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 3051500.1/21

All: 0.000+/-0.000 χ^2/NDF: 6053611.5/44

- sign 0.000+/-0.000 χ^2/NDF: 2942265.2/22

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: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

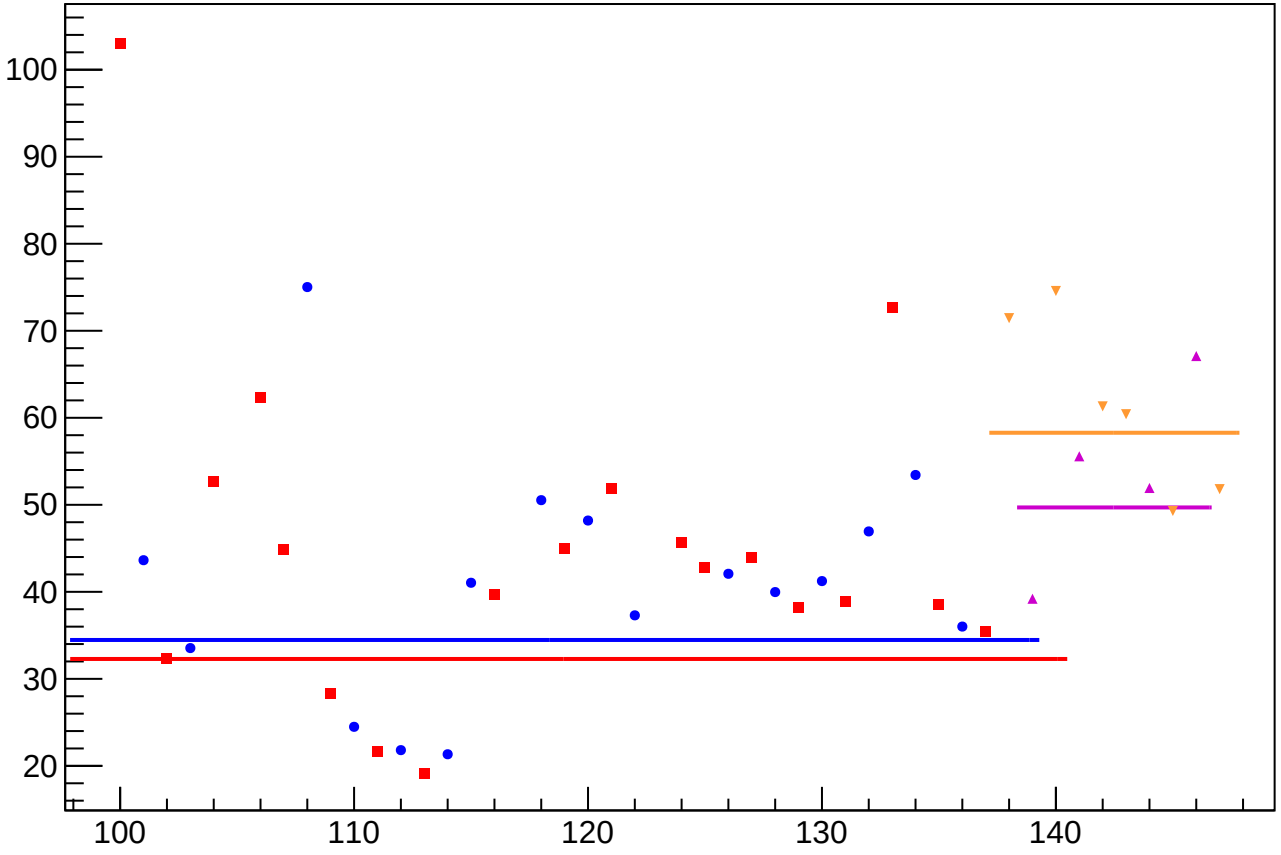
Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.019+/-0.009 χ^2/NDF: 46.7/44

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22

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: 58.281+/-0.020 χ^2/NDF:196858.2/5

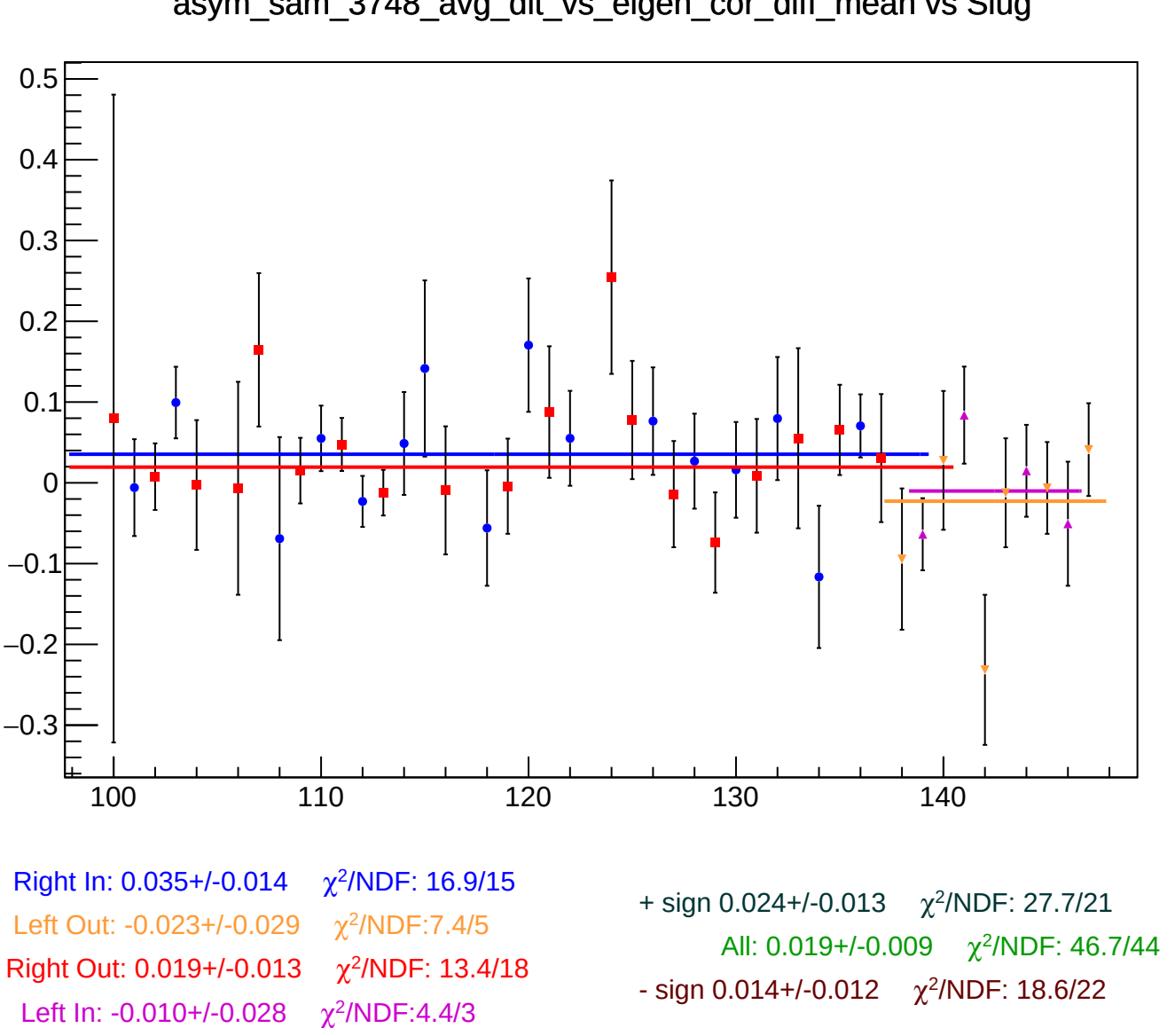
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

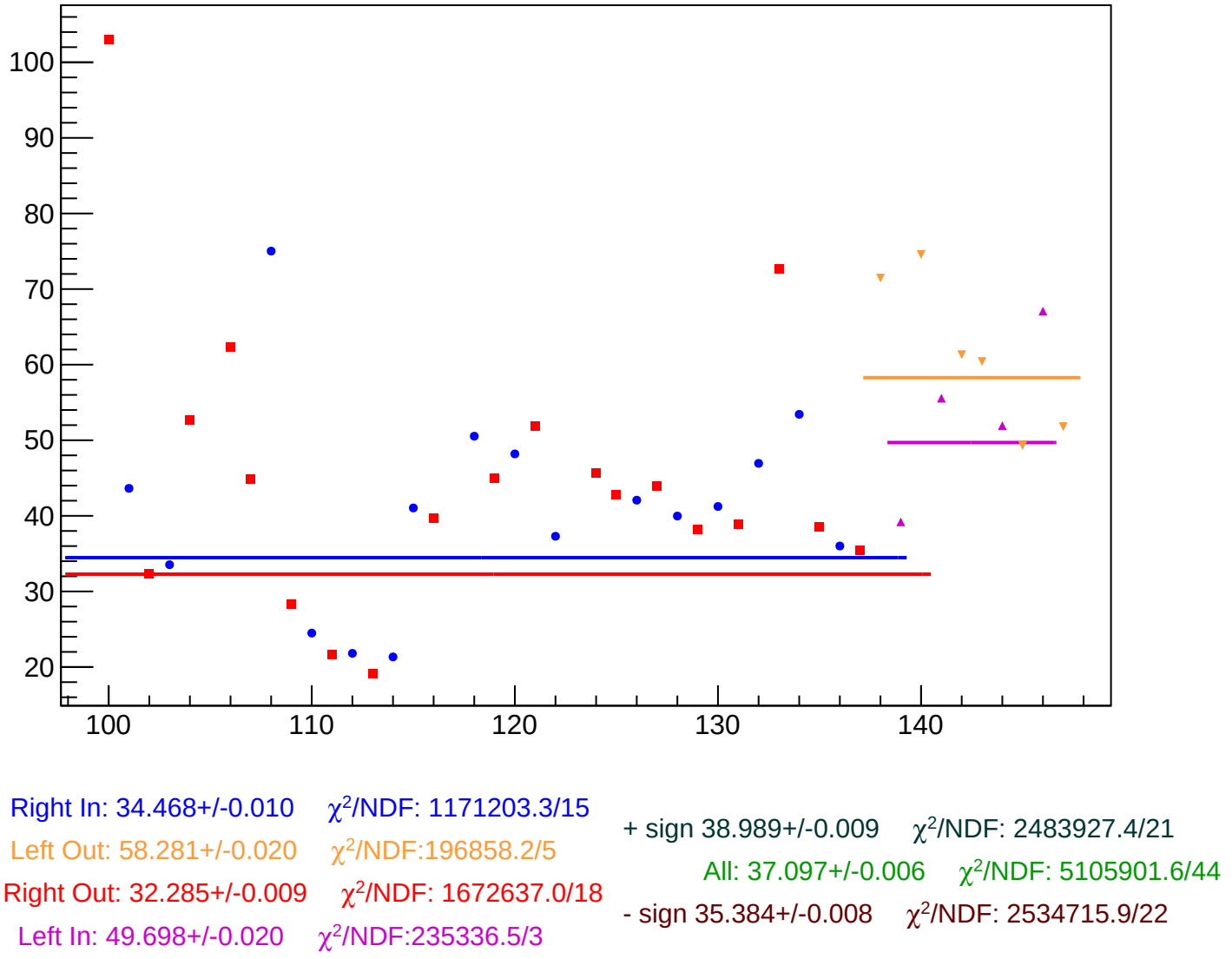
Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

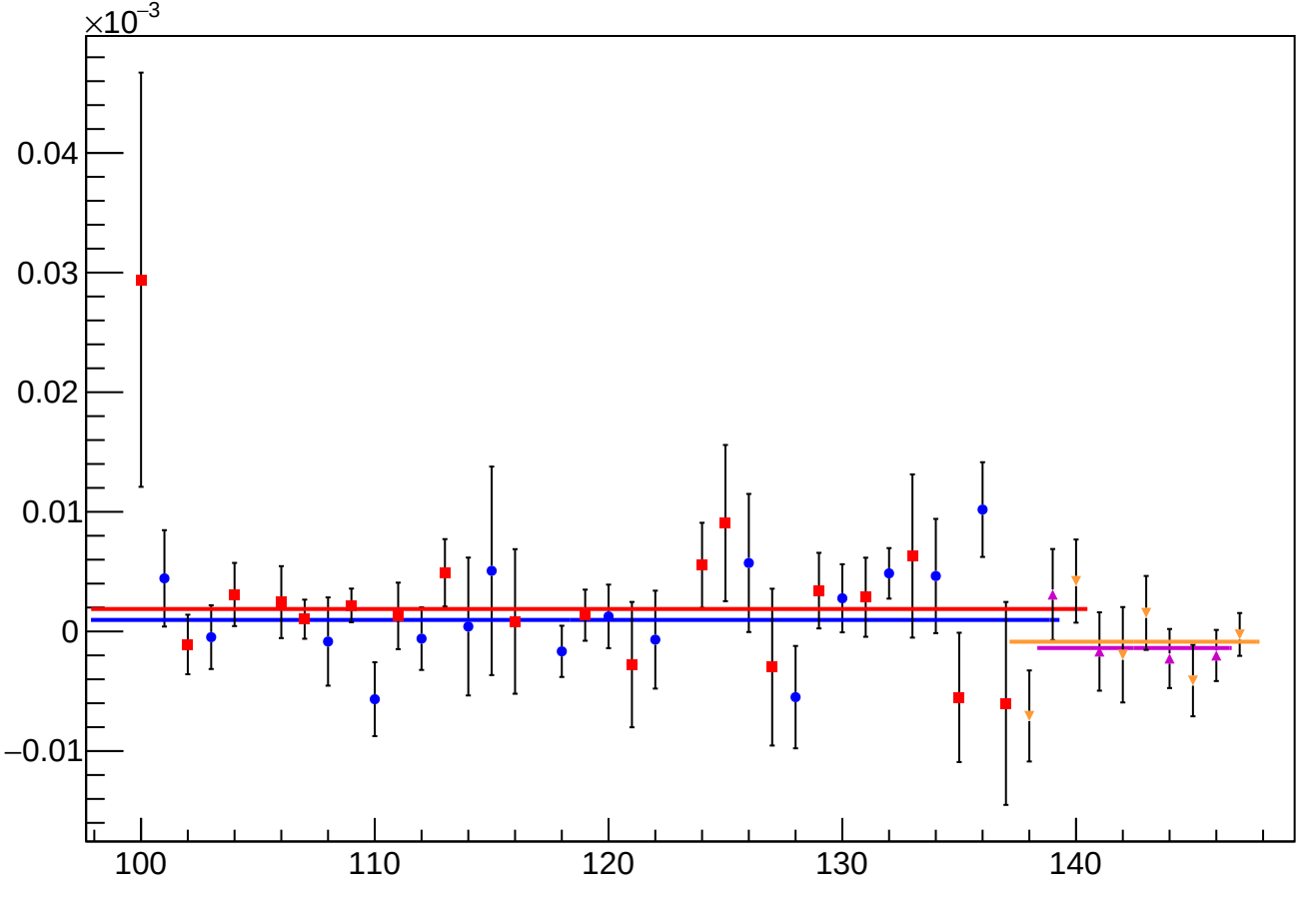
+ sign 38.989+/-0.009 χ^2/NDF: 2483927.4/21

All: 37.097+/-0.006 χ^2/NDF: 5105901.6/44

- sign 35.384+/-0.008 χ^2/NDF: 2534715.9/22


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: -0.023+/-0.029 χ²/NDF:7.4/5
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.010+/-0.028 χ²/NDF:4.4/3
+ sign 0.024+/-0.013 χ²/NDF: 27.7/21
All: 0.019+/-0.009 χ²/NDF: 46.7/44
- sign 0.014+/-0.012 χ²/NDF: 18.6/22


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 58.281+/-0.020 χ²/NDF:196858.2/5
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 49.698+/-0.020 χ²/NDF:235336.5/3
+ sign 38.989+/-0.009 χ²/NDF: 2483927.4/21
All: 37.097+/-0.006 χ²/NDF: 5105901.6/44
- sign 35.384+/-0.008 χ²/NDF: 2534715.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/5

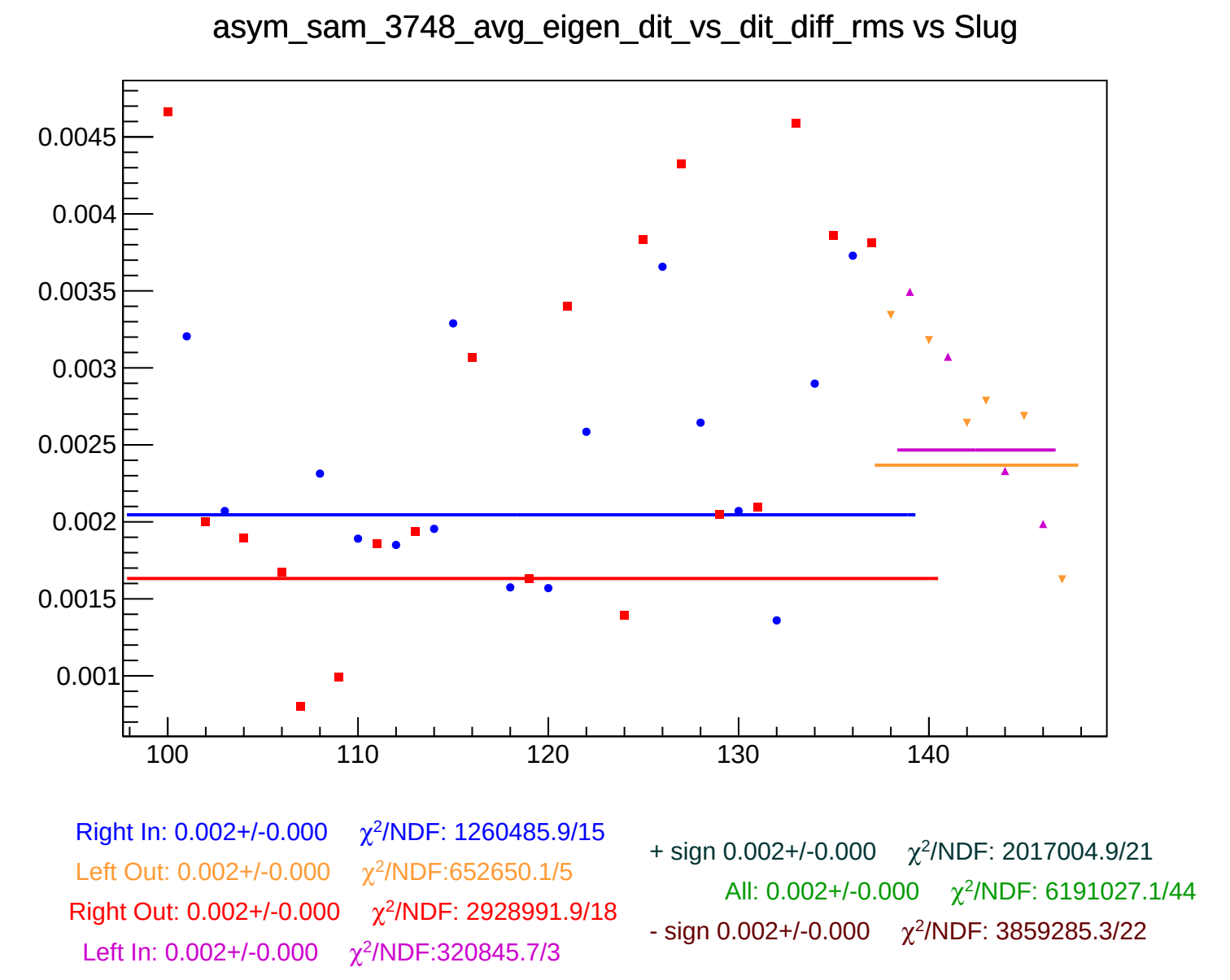
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

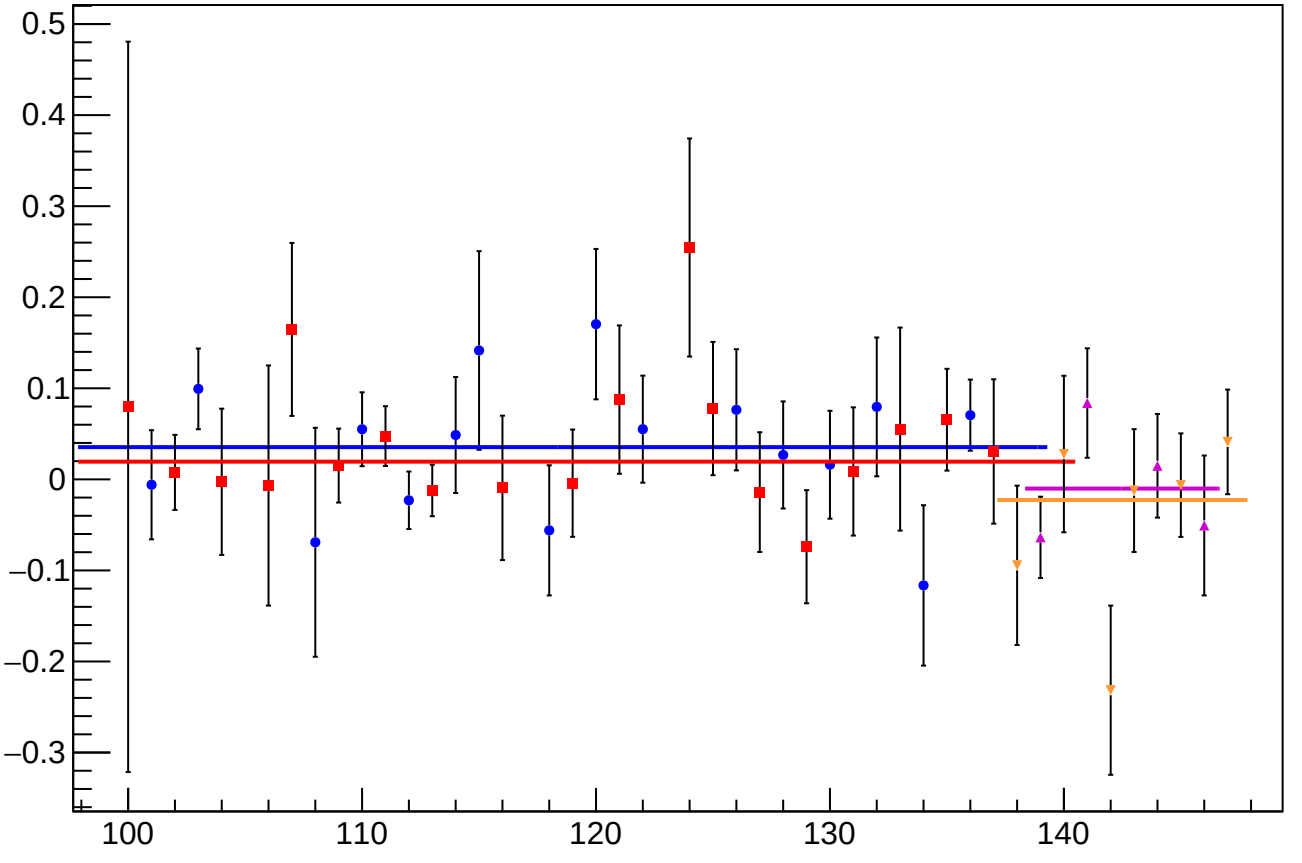
+ sign 0.000+/-0.000 χ^2/NDF: 29.3/21

All: 0.000+/-0.000 χ^2/NDF: 49.4/44

- sign 0.000+/-0.000 χ^2/NDF: 19.1/22


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
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:652650.1/5
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:320845.7/3
+ sign 0.002+/-0.000 χ²/NDF: 2017004.9/21
All: 0.002+/-0.000 χ²/NDF: 6191027.1/44
- sign 0.002+/-0.000 χ²/NDF: 3859285.3/22

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

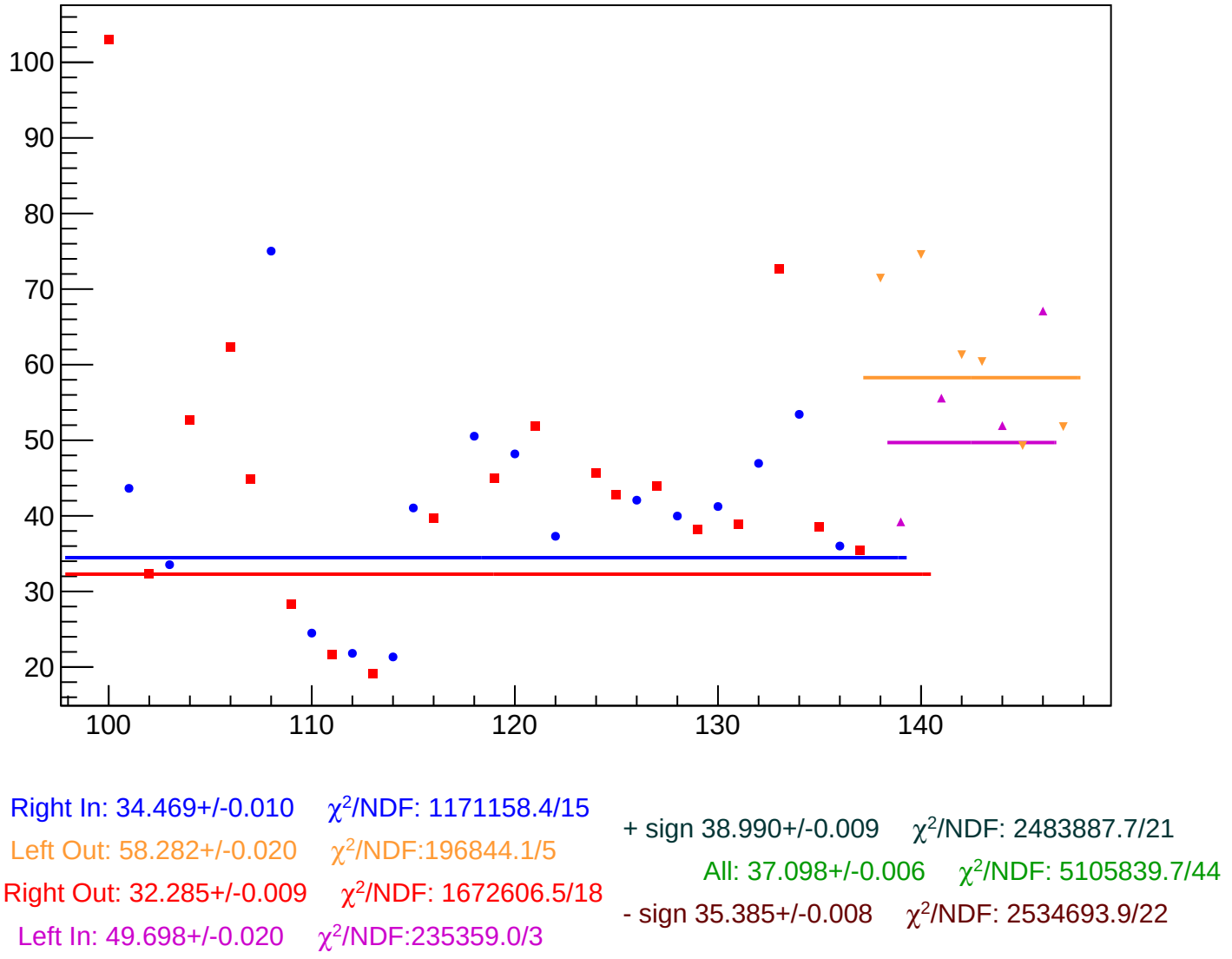
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

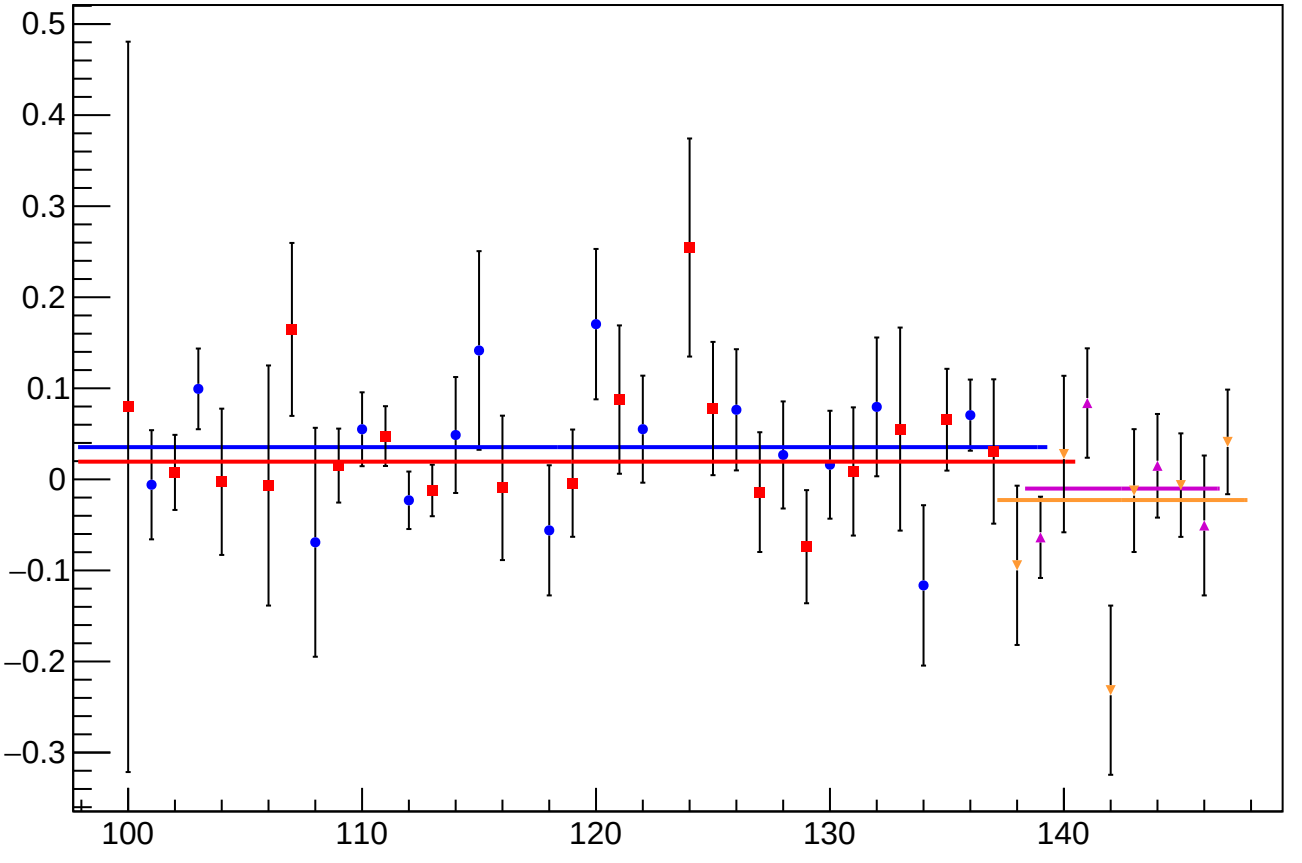
+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.019+/-0.009 χ^2/NDF: 46.7/44

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22


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
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 58.282+/-0.020 χ²/NDF:196844.1/5
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.698+/-0.020 χ²/NDF:235359.0/3
+ sign 38.990+/-0.009 χ²/NDF: 2483887.7/21
All: 37.098+/-0.006 χ²/NDF: 5105839.7/44
- sign 35.385+/-0.008 χ²/NDF: 2534693.9/22

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

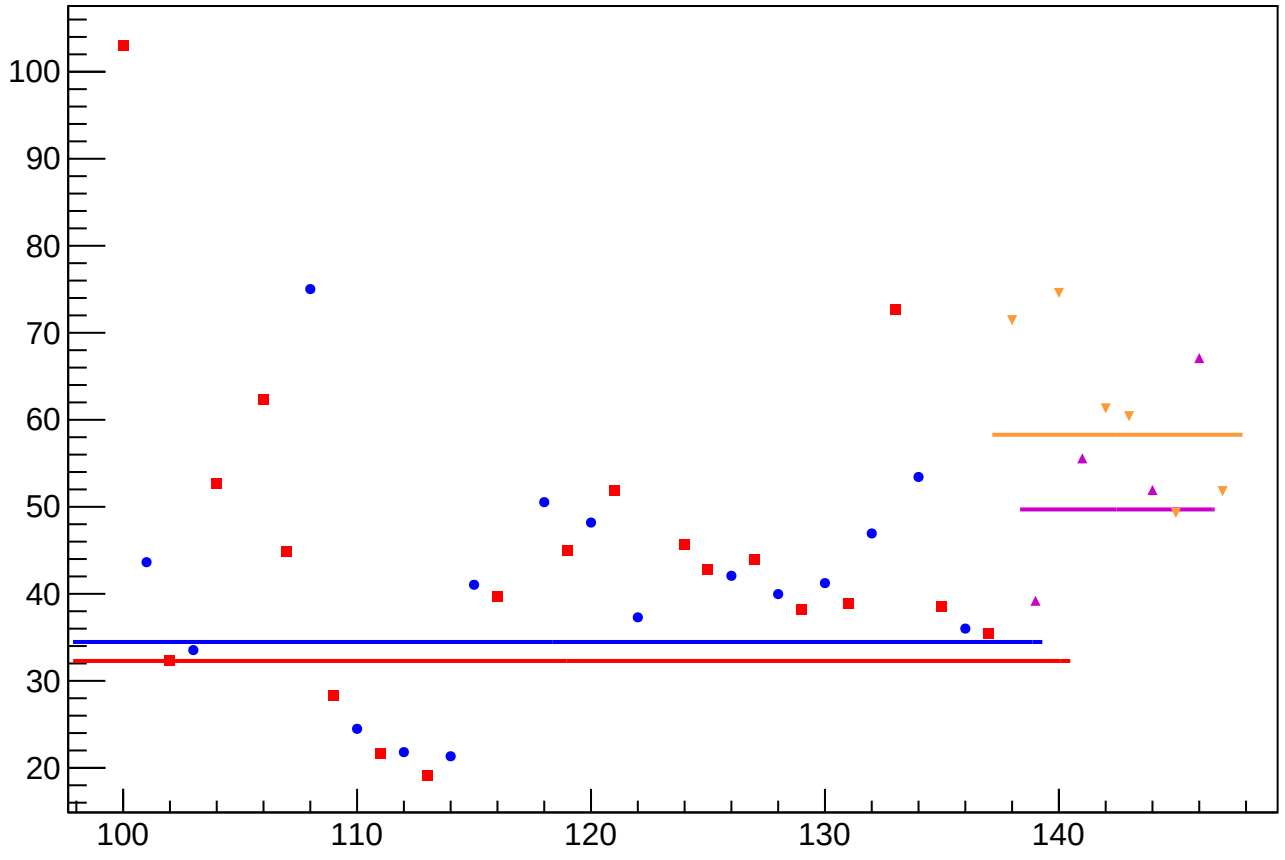
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.019+/-0.009 χ^2/NDF: 46.7/44

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 58.282+/-0.020 χ^2/NDF:196844.1/5

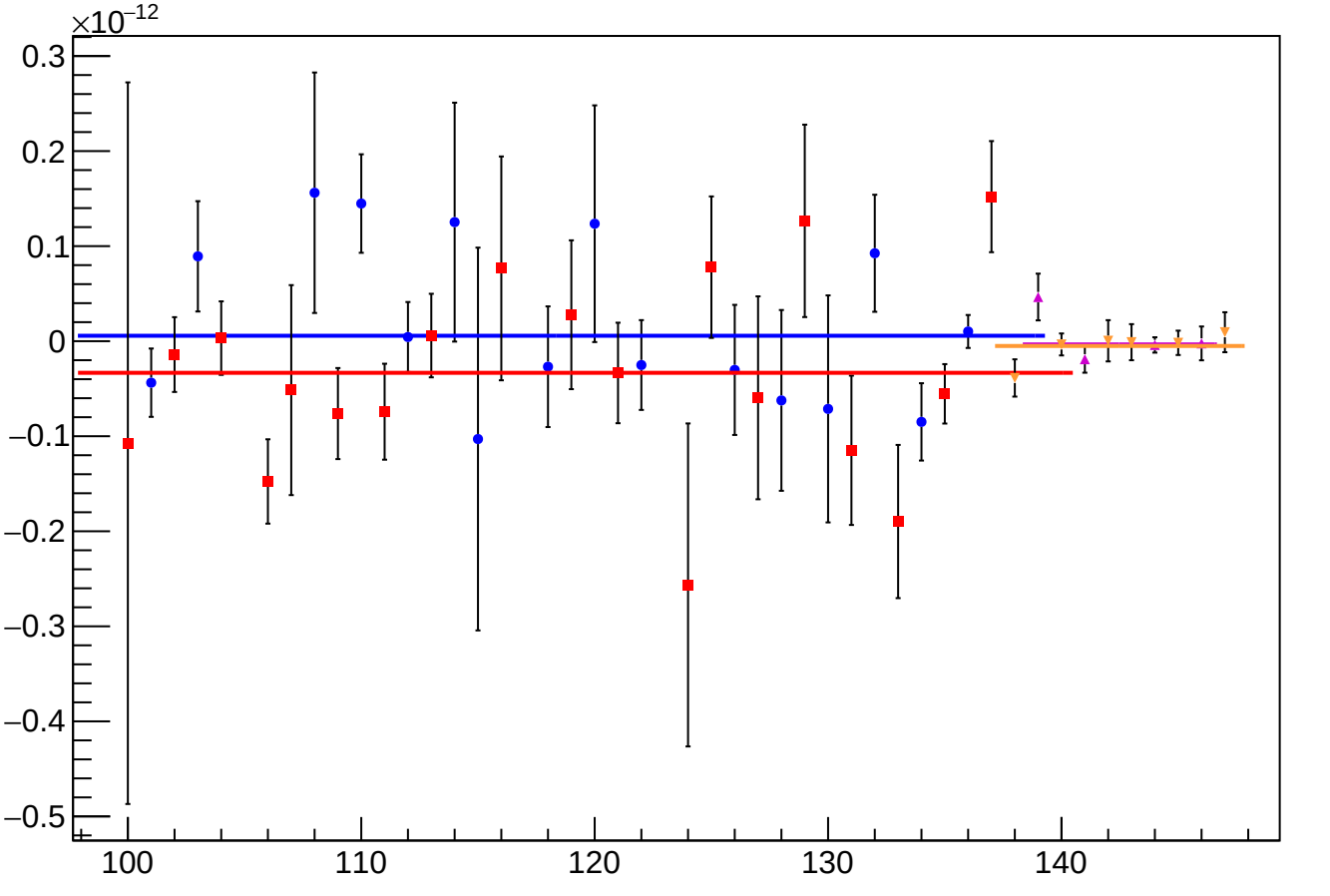
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

+ sign 38.990+/-0.009 χ^2/NDF: 2483887.7/21

All: 37.098+/-0.006 χ^2/NDF: 5105839.7/44

- sign 35.385+/-0.008 χ^2/NDF: 2534693.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

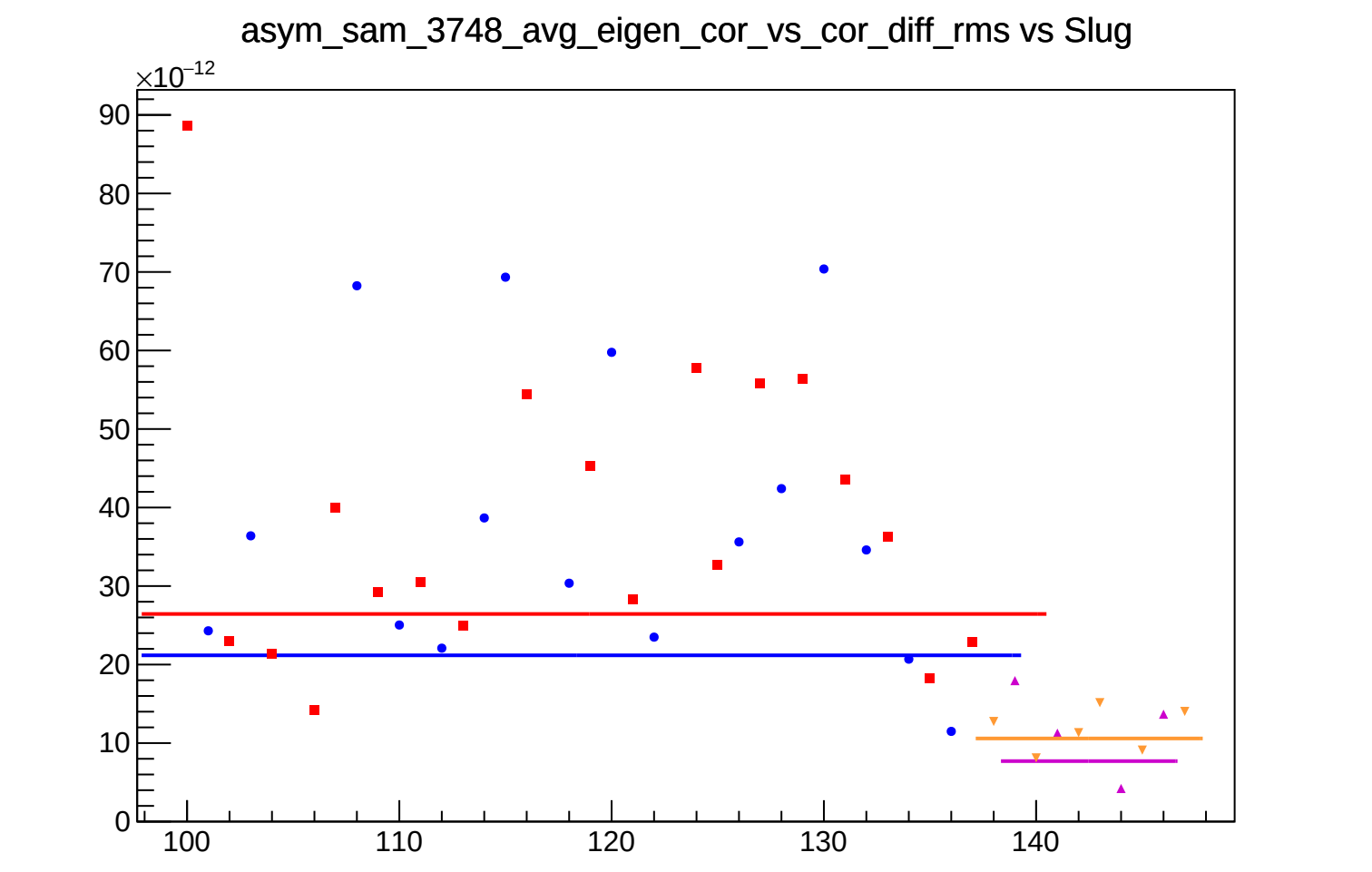
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/21

All: -0.000+/-0.000 χ^2/NDF: 71.6/44

- sign -0.000+/-0.000 χ^2/NDF: 43.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:314260.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

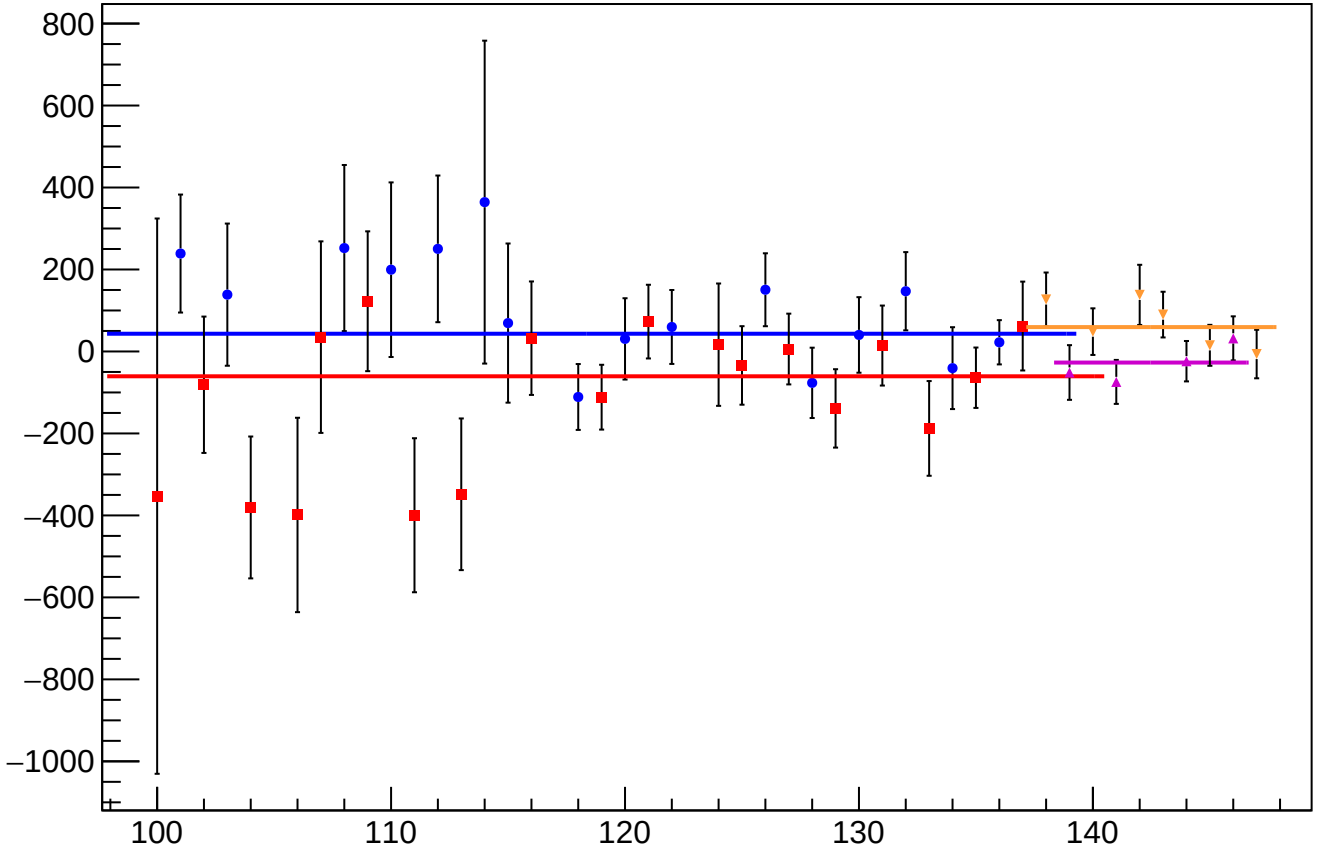
Left In: 0.000+/-0.000 χ^2/NDF:1072298.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 3691237.7/21

All: 0.000+/-0.000 χ^2/NDF: 9447413.7/44

- sign 0.000+/-0.000 χ^2/NDF: 5638320.3/22

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.441+/-24.015 χ^2/NDF:4.6/5

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

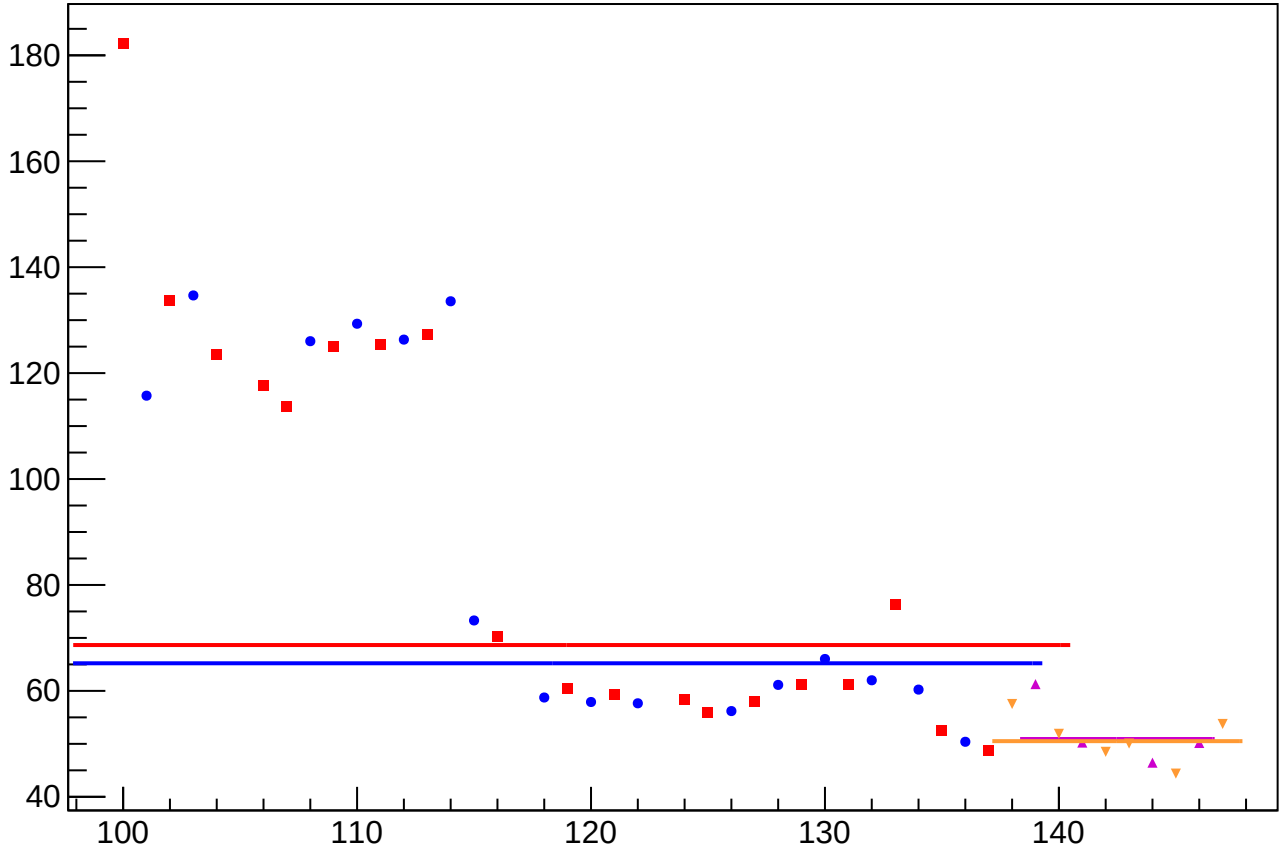
Left In: -27.081+/-27.416 χ^2/NDF:2.1/3

+ sign 51.917+/-17.572 χ^2/NDF: 19.7/21

All: 8.123+/-12.962 χ^2/NDF: 56.6/44

- sign -44.153+/-19.199 χ^2/NDF: 23.3/22

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

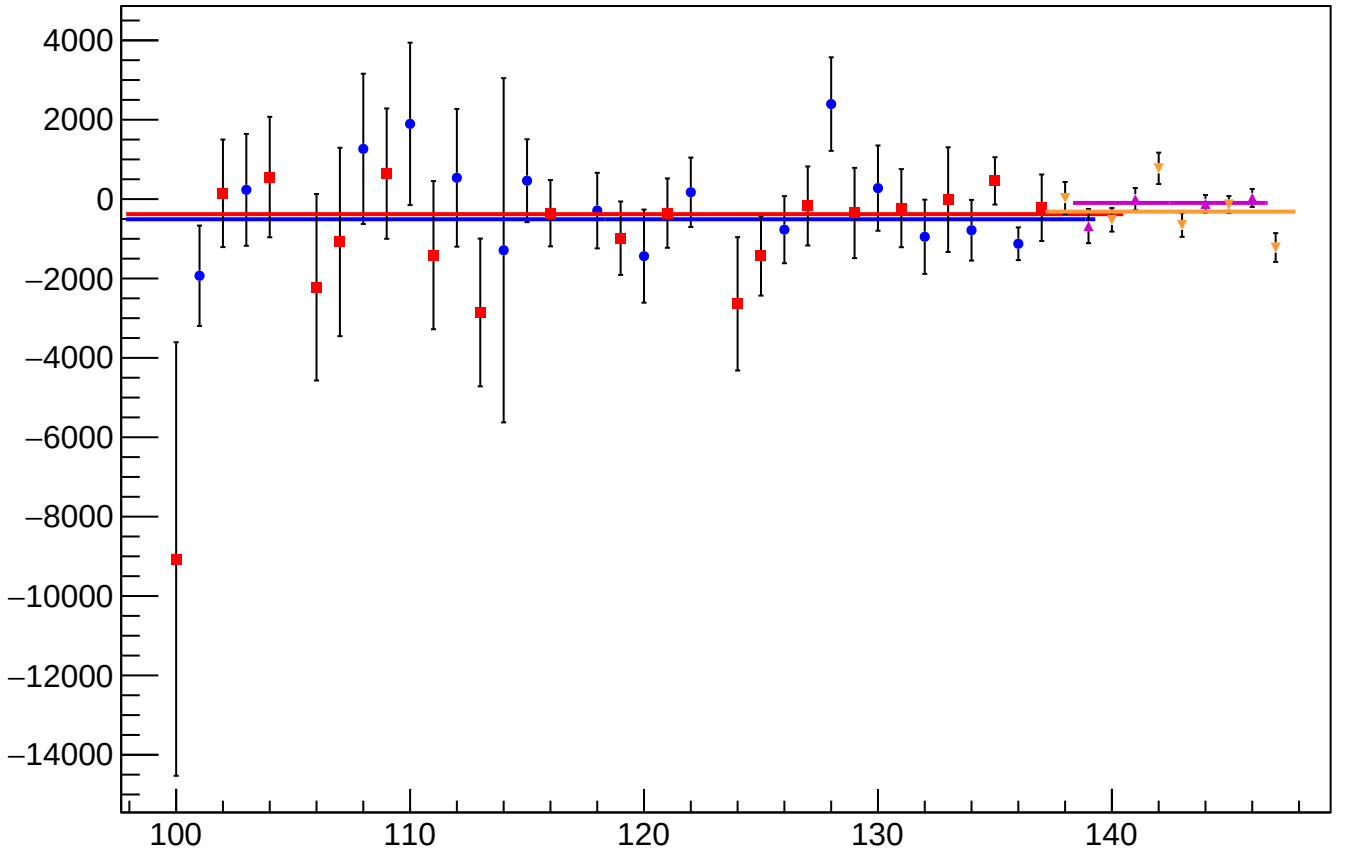
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.341+/-0.012 χ^2/NDF: 1856453.0/21

All: 58.533+/-0.009 χ^2/NDF: 4009779.8/44

- sign 59.956+/-0.014 χ^2/NDF: 2133132.2/22



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -314.520+/-124.254 χ^2/NDF:17.0/5

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

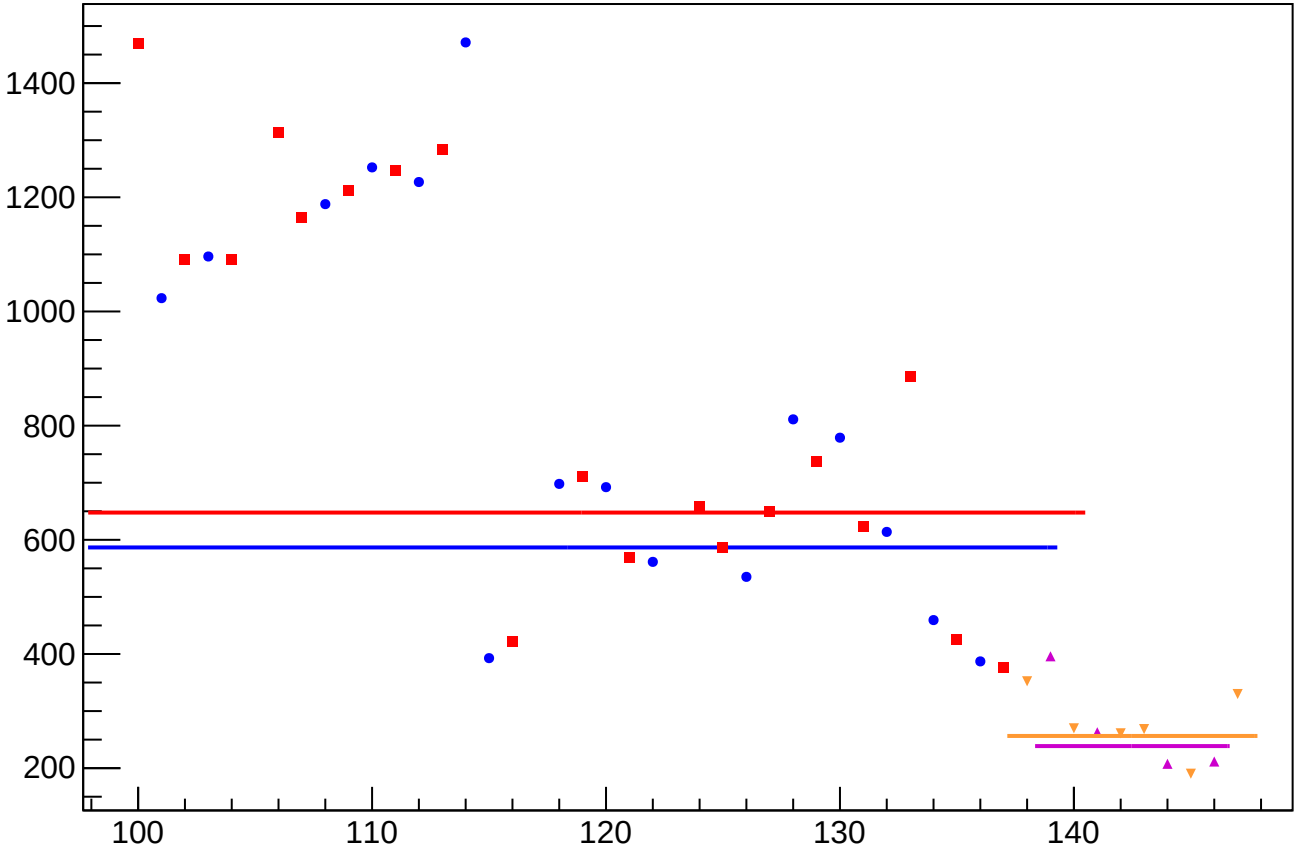
Left In: -95.496+/-131.629 χ^2/NDF:2.3/3

+ sign -356.235+/-110.041 χ^2/NDF: 33.2/21

All: -261.679+/-80.190 χ^2/NDF: 49.7/44

- sign -154.604+/-117.100 χ^2/NDF: 15.0/22

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 256.438+/-0.088 χ^2/NDF:394357.7/5

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

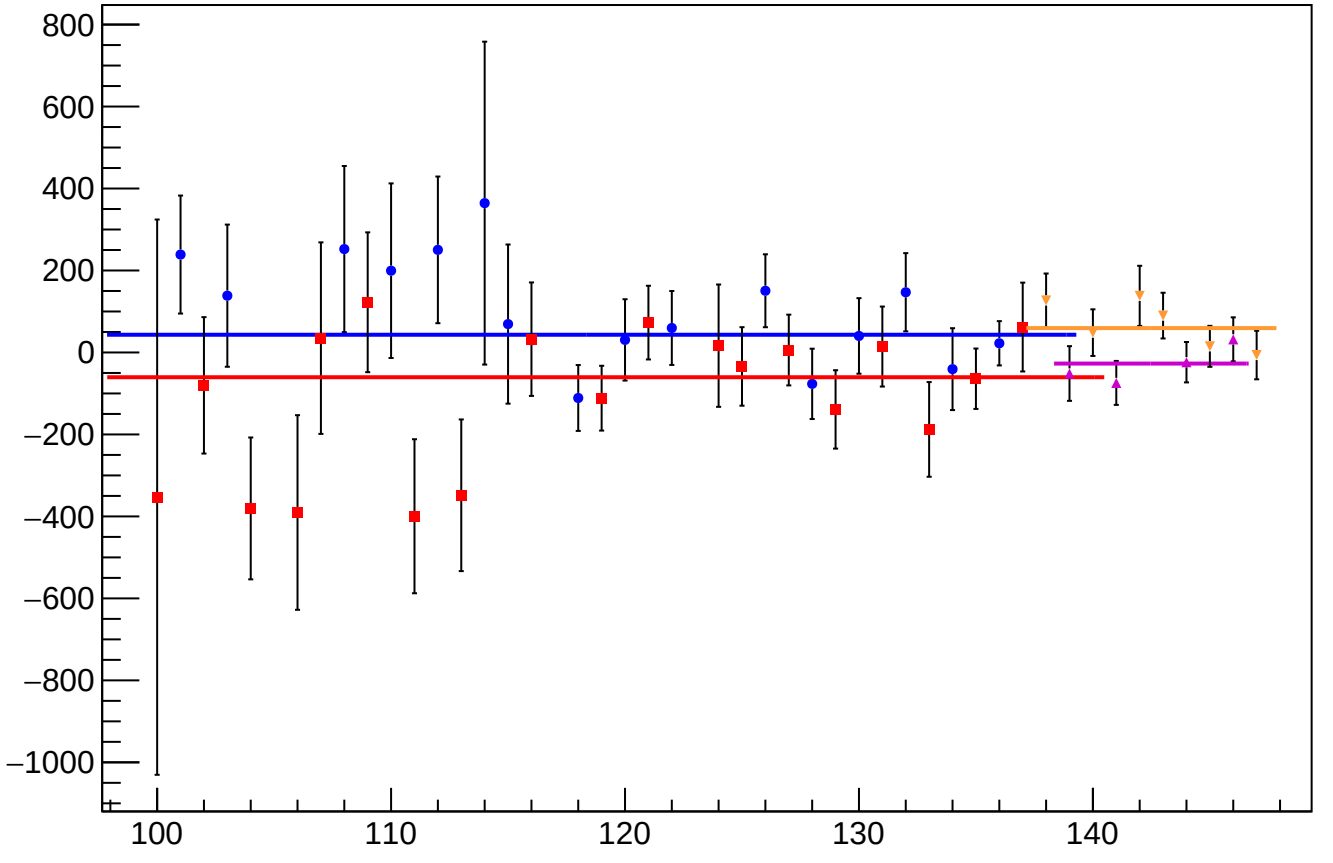
Left In: 238.696+/-0.093 χ^2/NDF:348609.6/3

+ sign 327.658+/-0.078 χ^2/NDF: 5493989.7/21

All: 325.947+/-0.057 χ^2/NDF: 11977485.7/44

- sign 324.010+/-0.083 χ^2/NDF: 6482465.2/22

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

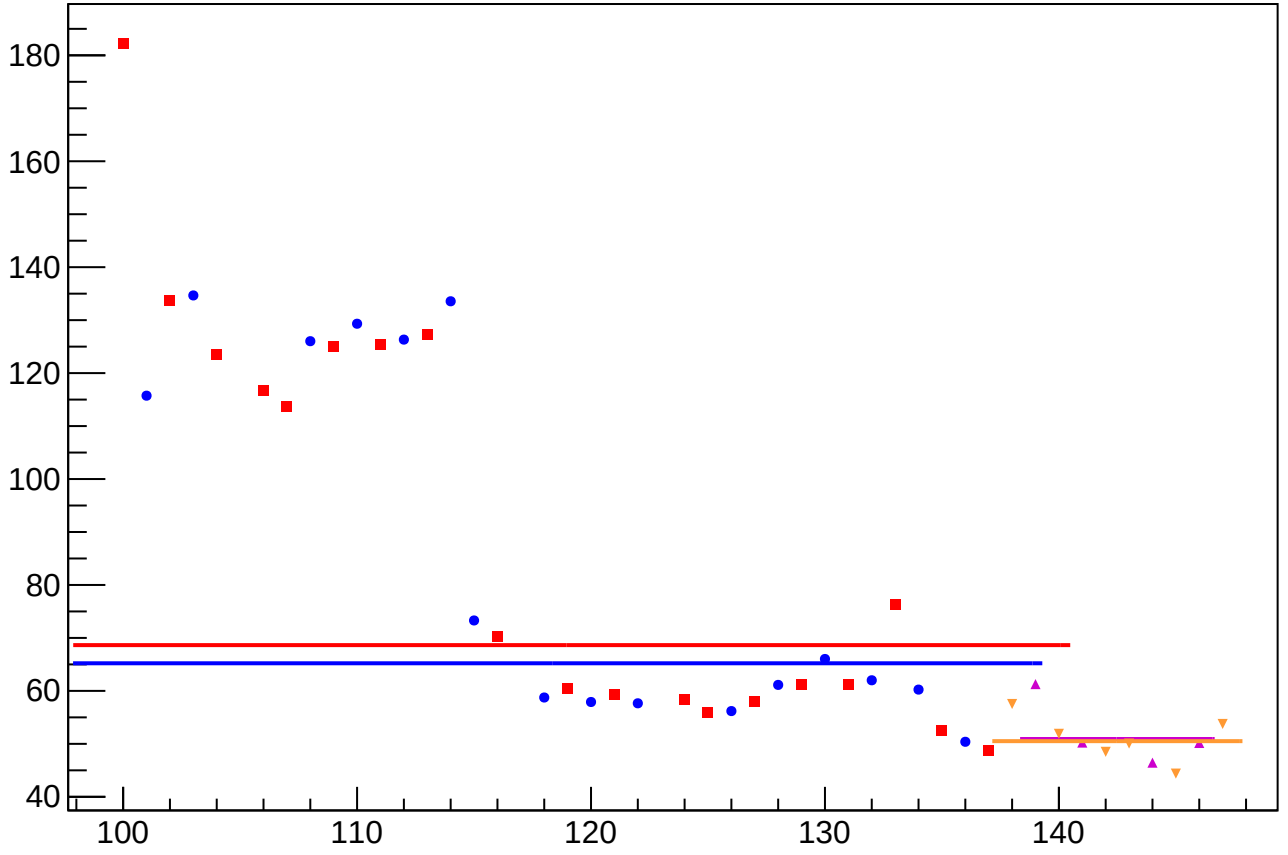
Left In: -27.084+/-27.416 χ^2/NDF:2.1/3

+ sign 51.916+/-17.572 χ^2/NDF: 19.7/21

All: 8.158+/-12.963 χ^2/NDF: 56.5/44

- sign -44.077+/-19.199 χ^2/NDF: 23.2/22

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

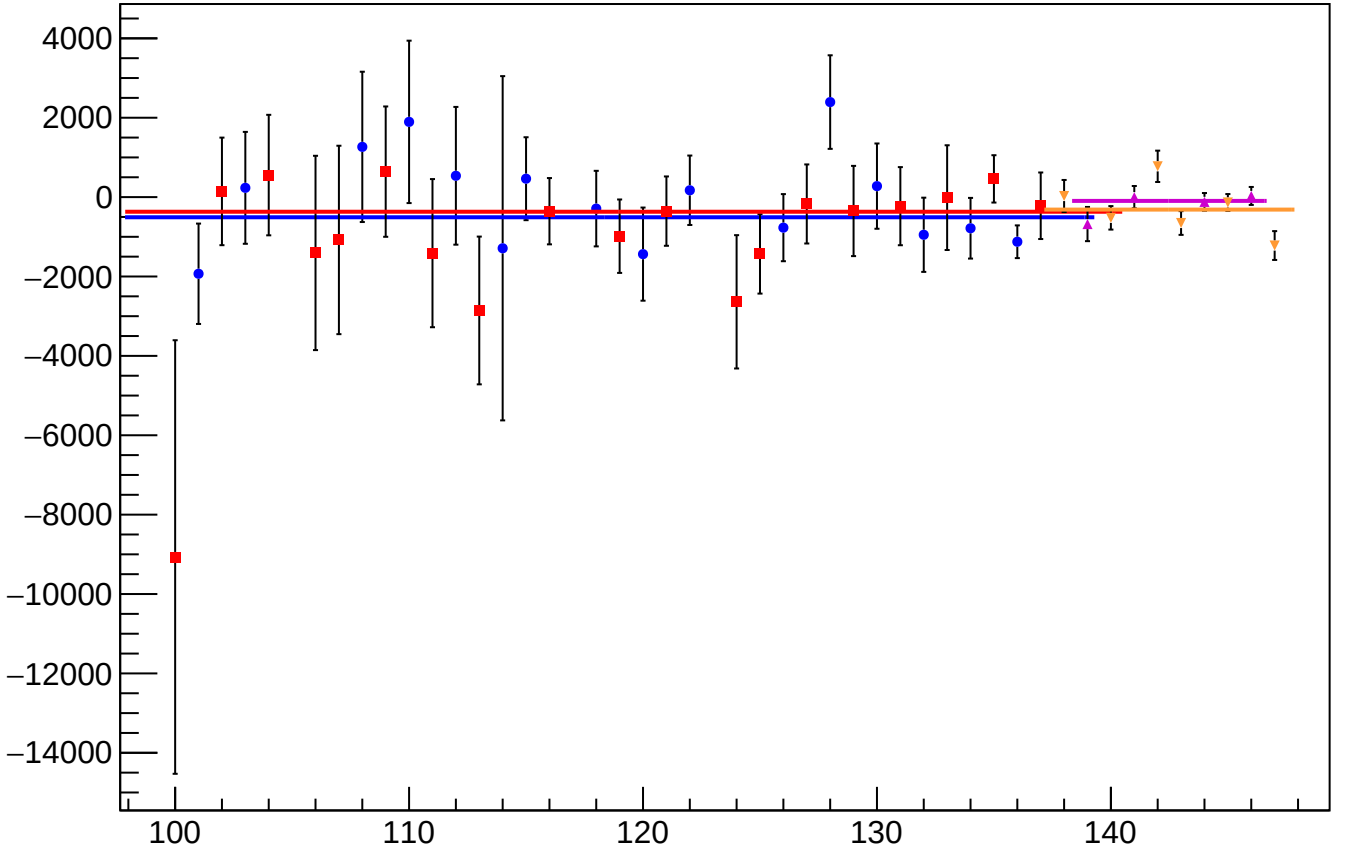
Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.341+/-0.012 χ^2/NDF: 1856455.2/21

All: 58.529+/-0.009 χ^2/NDF: 4005616.8/44

- sign 59.948+/-0.014 χ^2/NDF: 2129084.5/22

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -314.514+/-124.254 χ^2/NDF:17.0/5

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

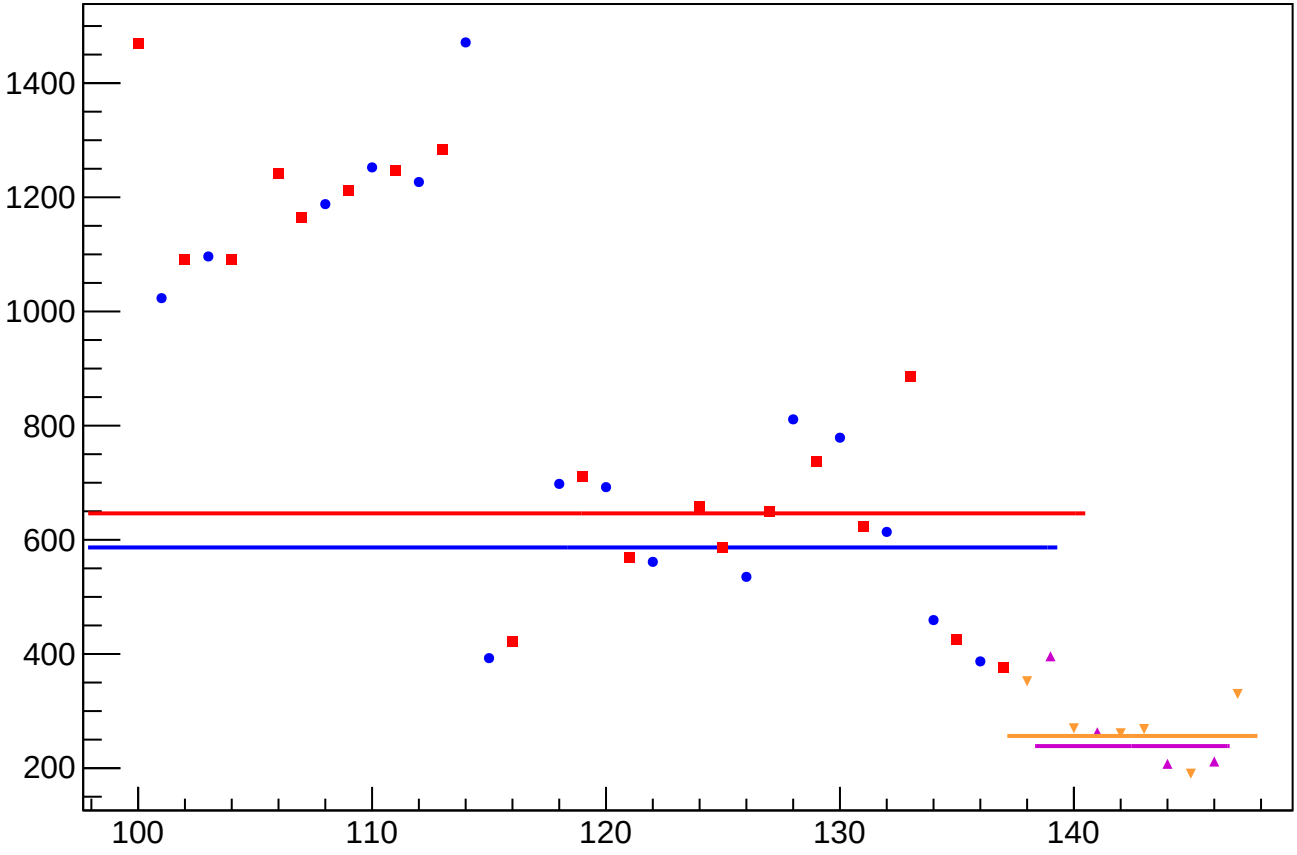
Left In: -95.495+/-131.629 χ^2/NDF:2.3/3

+ sign -356.226+/-110.041 χ^2/NDF: 33.2/21

All: -260.632+/-80.194 χ^2/NDF: 49.2/44

- sign -152.357+/-117.112 χ^2/NDF: 14.4/22

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

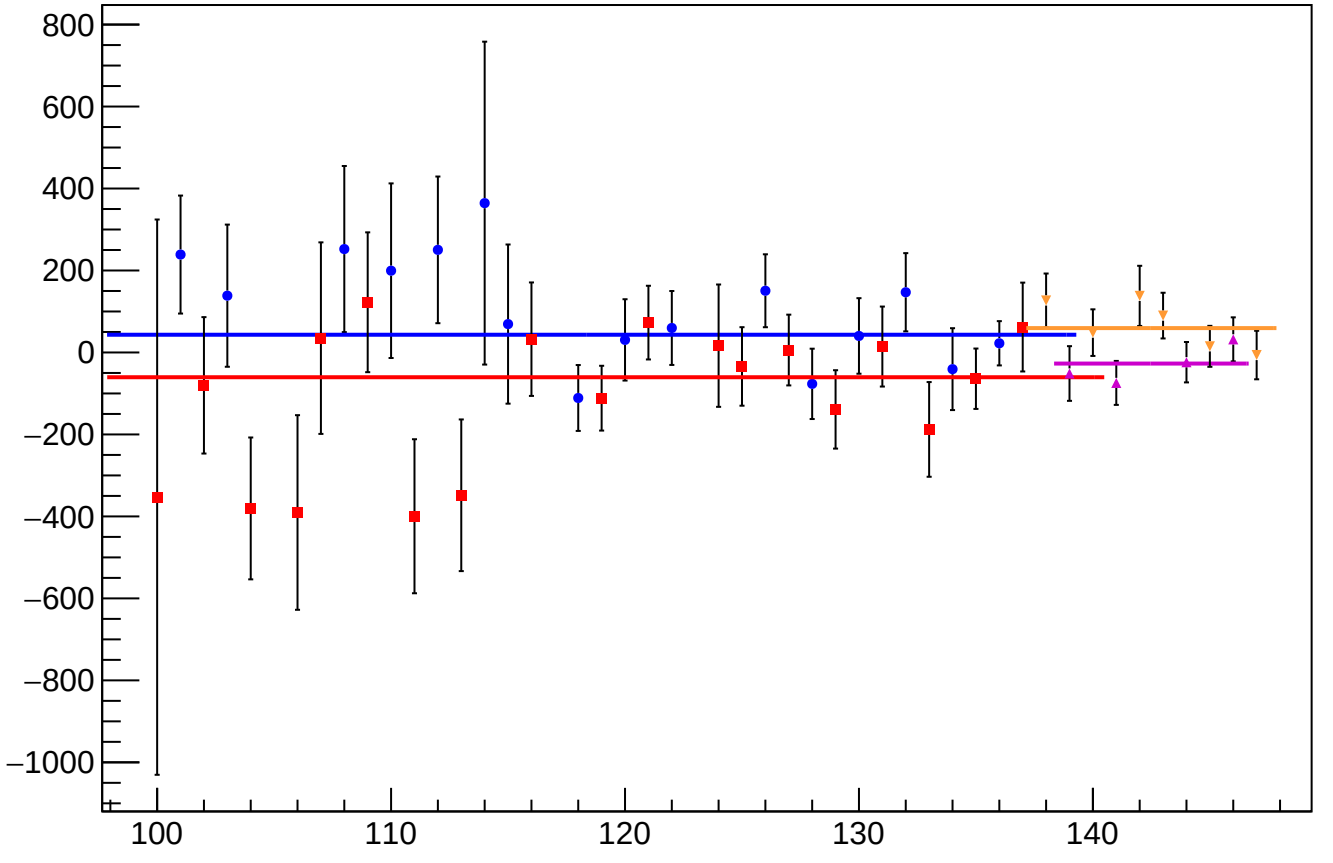
Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

+ sign 327.657+/-0.078 χ^2/NDF: 5494021.5/21

All: 325.778+/-0.057 χ^2/NDF: 11904453.6/44

- sign 323.650+/-0.083 χ^2/NDF: 6409188.2/22

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

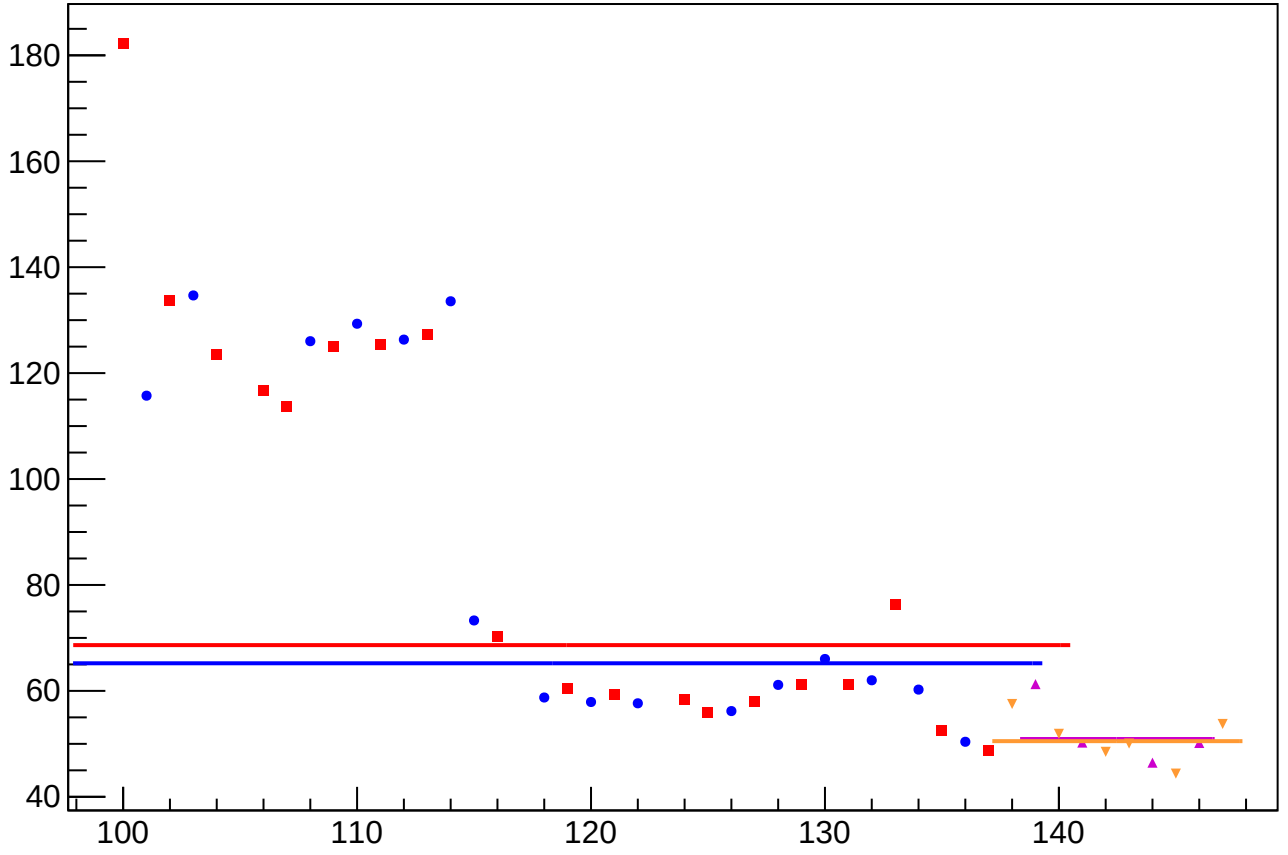
Left In: -27.084+/-27.416 χ^2/NDF:2.1/3

+ sign 51.916+/-17.572 χ^2/NDF: 19.7/21

All: 8.158+/-12.963 χ^2/NDF: 56.5/44

- sign -44.077+/-19.199 χ^2/NDF: 23.2/22

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

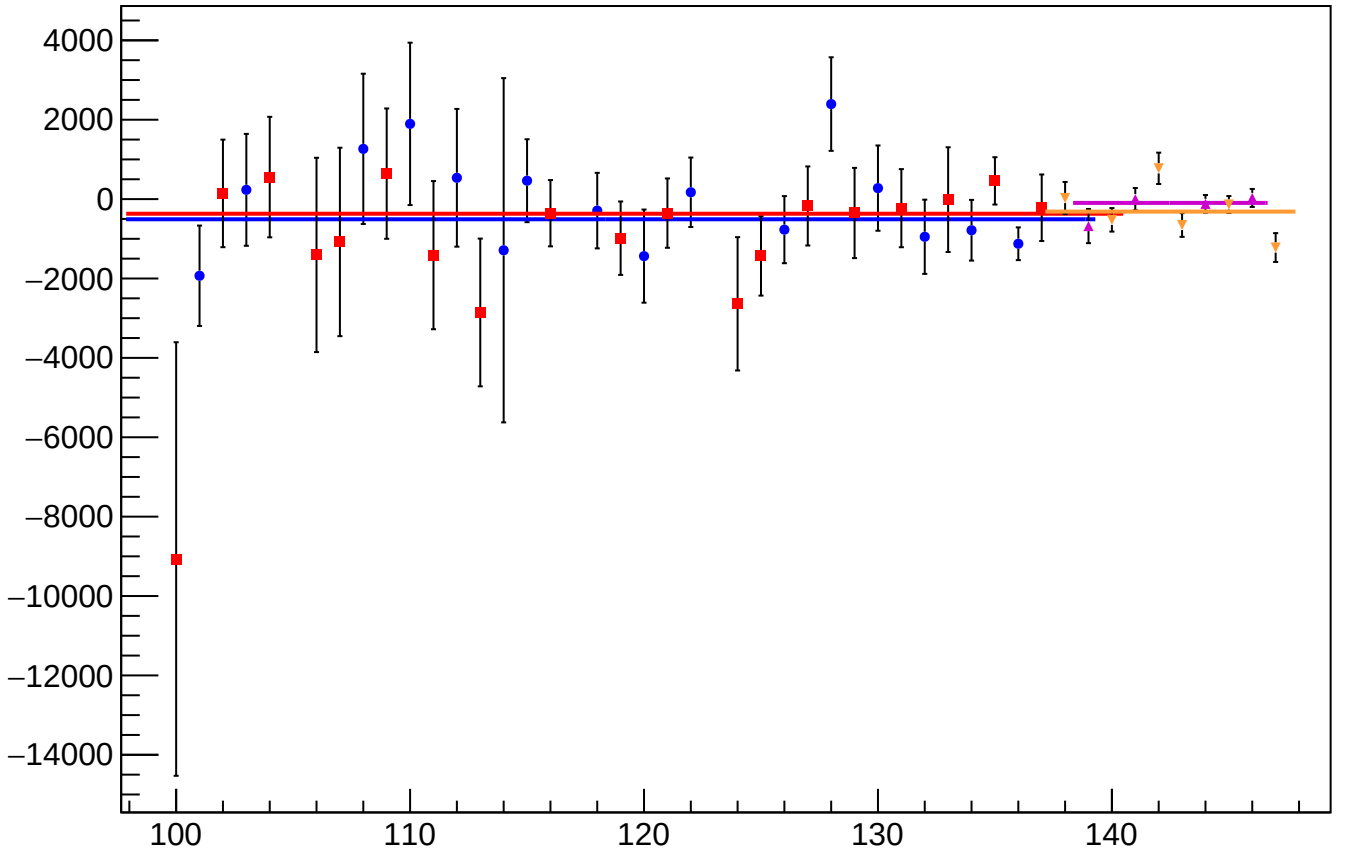
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.341+/-0.012 χ^2/NDF: 1856455.2/21

All: 58.529+/-0.009 χ^2/NDF: 4005616.8/44

- sign 59.948+/-0.014 χ^2/NDF: 2129084.5/22



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -314.514+/-124.254 χ^2/NDF:17.0/5

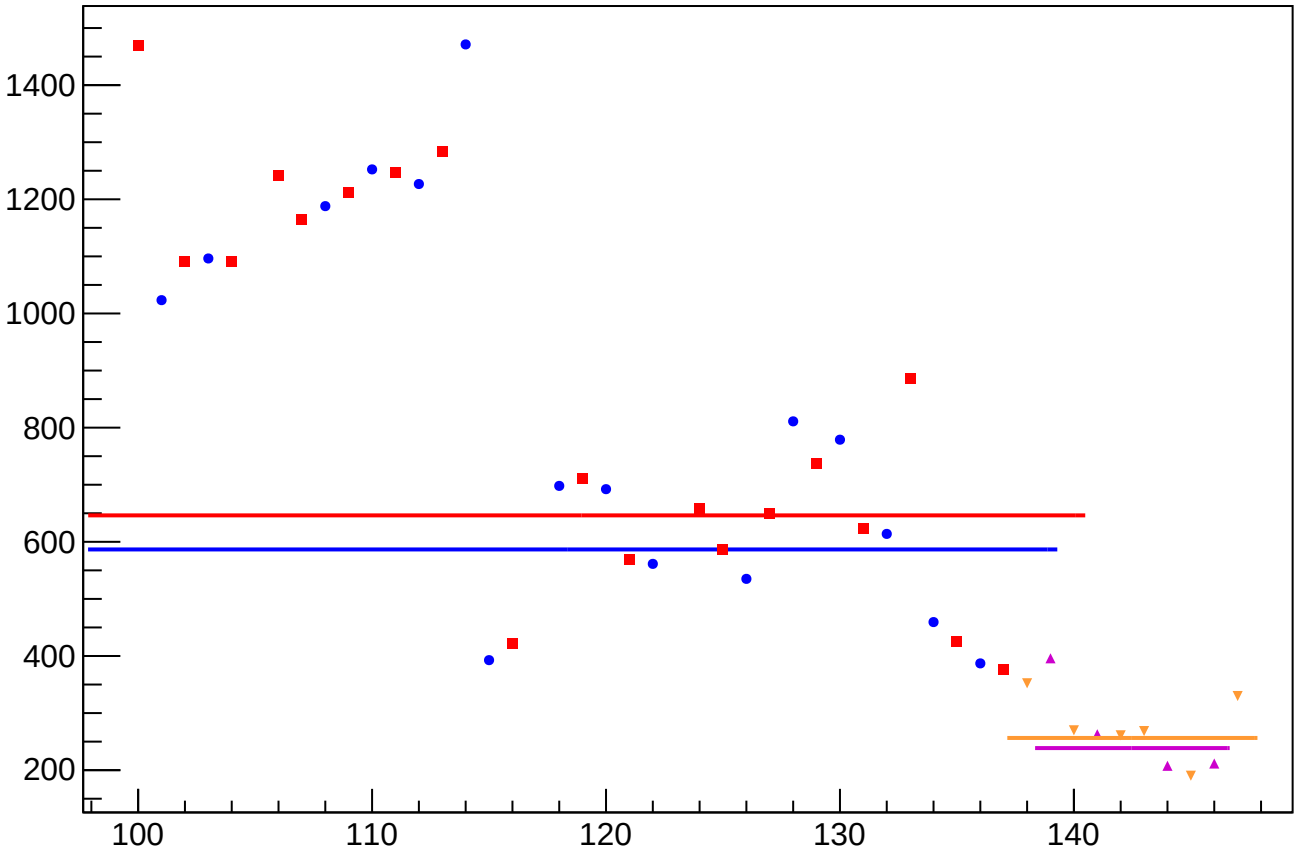
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -95.495+/-131.629 χ^2/NDF:2.3/3

\+ sign -356.226+/-110.041 χ^2/NDF: 33.2/21

All: -260.632+/-80.194 χ^2/NDF: 49.2/44

\- sign -152.357+/-117.112 χ^2/NDF: 14.4/22



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

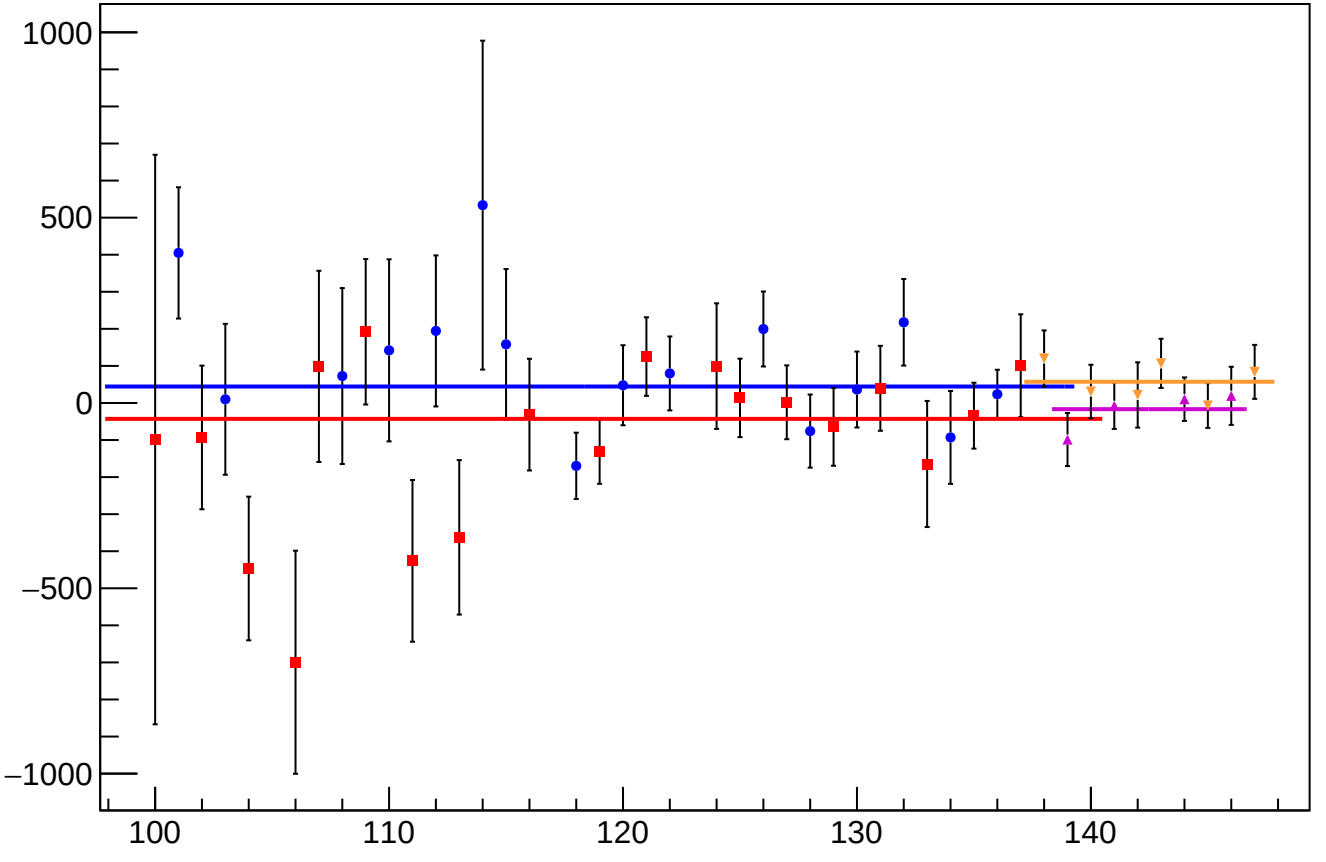
Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

+ sign 327.657+/-0.078 χ^2/NDF: 5494021.5/21

All: 325.778+/-0.057 χ^2/NDF: 11904453.6/44

- sign 323.650+/-0.083 χ^2/NDF: 6409188.2/22

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 57.261+/-29.031 χ^2/NDF:2.8/5

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

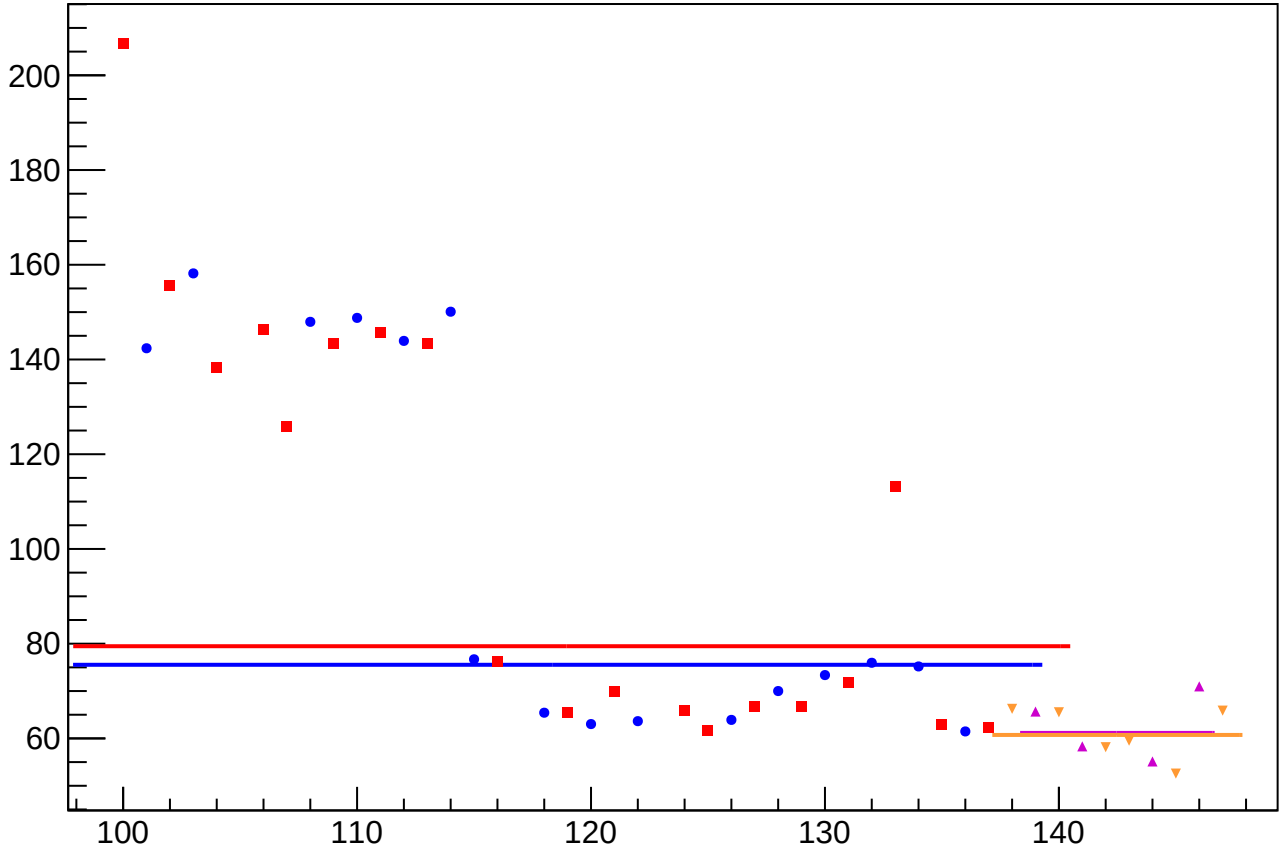
Left In: -16.731+/-33.221 χ^2/NDF:1.8/3

+ sign 51.016+/-20.831 χ^2/NDF: 22.5/21

All: 13.807+/-15.367 χ^2/NDF: 54.9/44

- sign -30.616+/-22.761 χ^2/NDF: 25.4/22

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.734+/-0.021 χ^2/NDF:68312.2/5

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

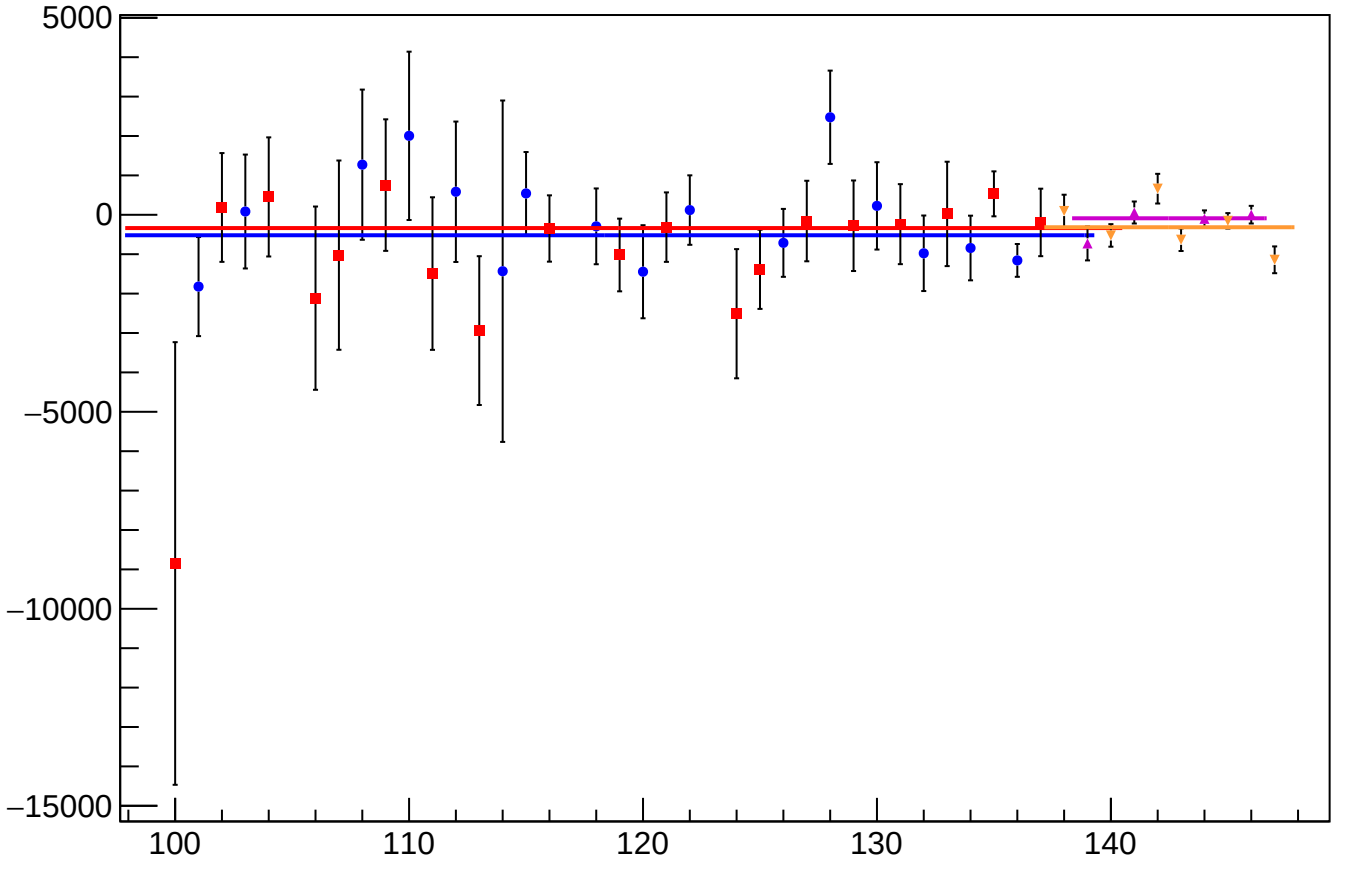
Left In: 61.161+/-0.023 χ^2/NDF:64580.7/3

+ sign 67.919+/-0.015 χ^2/NDF: 1786382.4/21

All: 69.265+/-0.011 χ^2/NDF: 3875074.0/44

- sign 70.873+/-0.016 χ^2/NDF: 2070355.6/22

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -316.198+/-117.942 χ^2/NDF:16.1/5

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

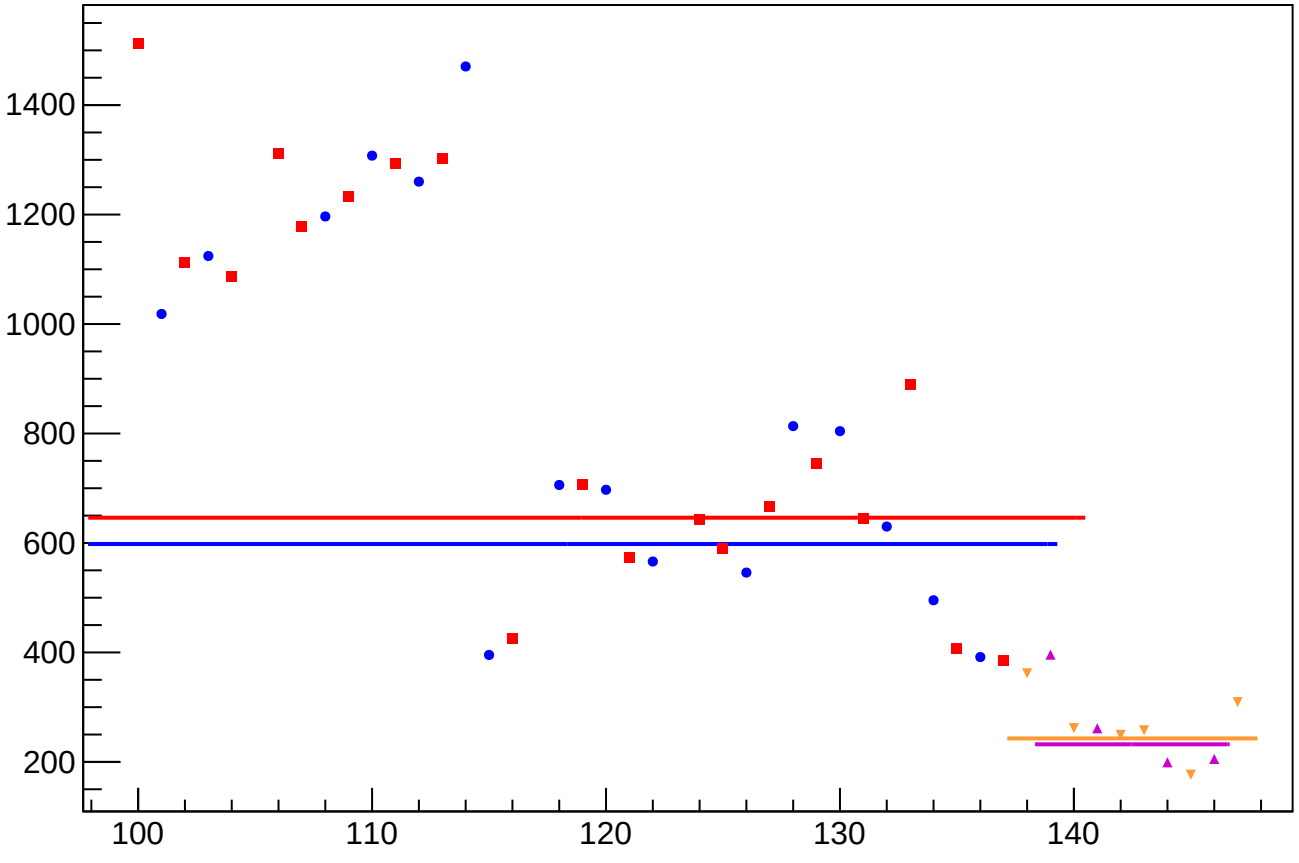
Left In: -88.508+/-128.965 χ^2/NDF:2.6/3

+ sign -355.349+/-105.963 χ^2/NDF: 32.5/21

All: -256.022+/-77.998 χ^2/NDF: 49.7/44

- sign -138.559+/-115.232 χ^2/NDF: 15.3/22

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 242.922+/-0.083 χ^2/NDF:483758.7/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

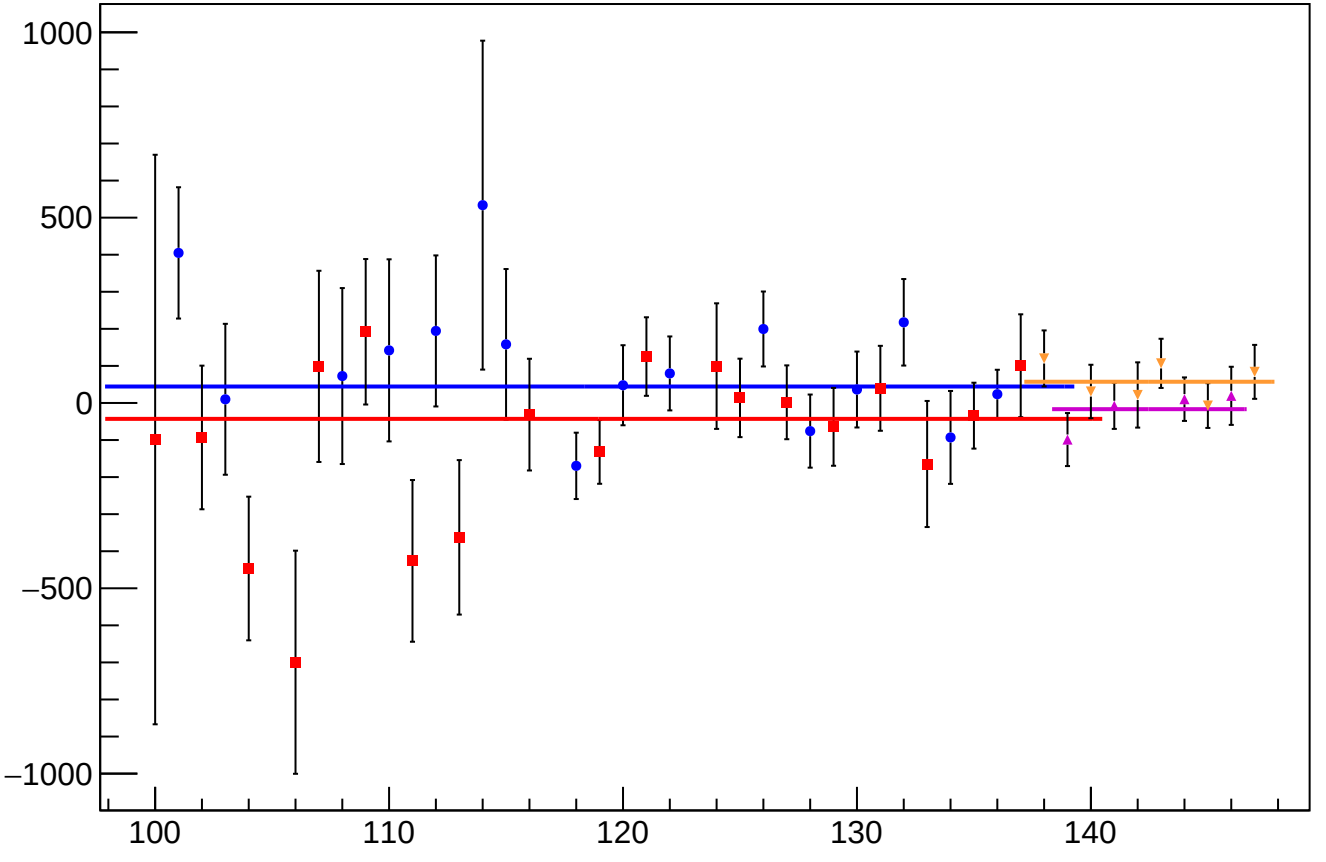
Left In: 232.162+/-0.091 χ^2/NDF:387041.4/3

+ sign 311.394+/-0.075 χ^2/NDF: 6027703.9/21

All: 313.342+/-0.055 χ^2/NDF: 12778043.4/44

- sign 315.646+/-0.081 χ^2/NDF: 6748864.1/22

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 57.260+/-29.031 χ^2/NDF:2.8/5

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

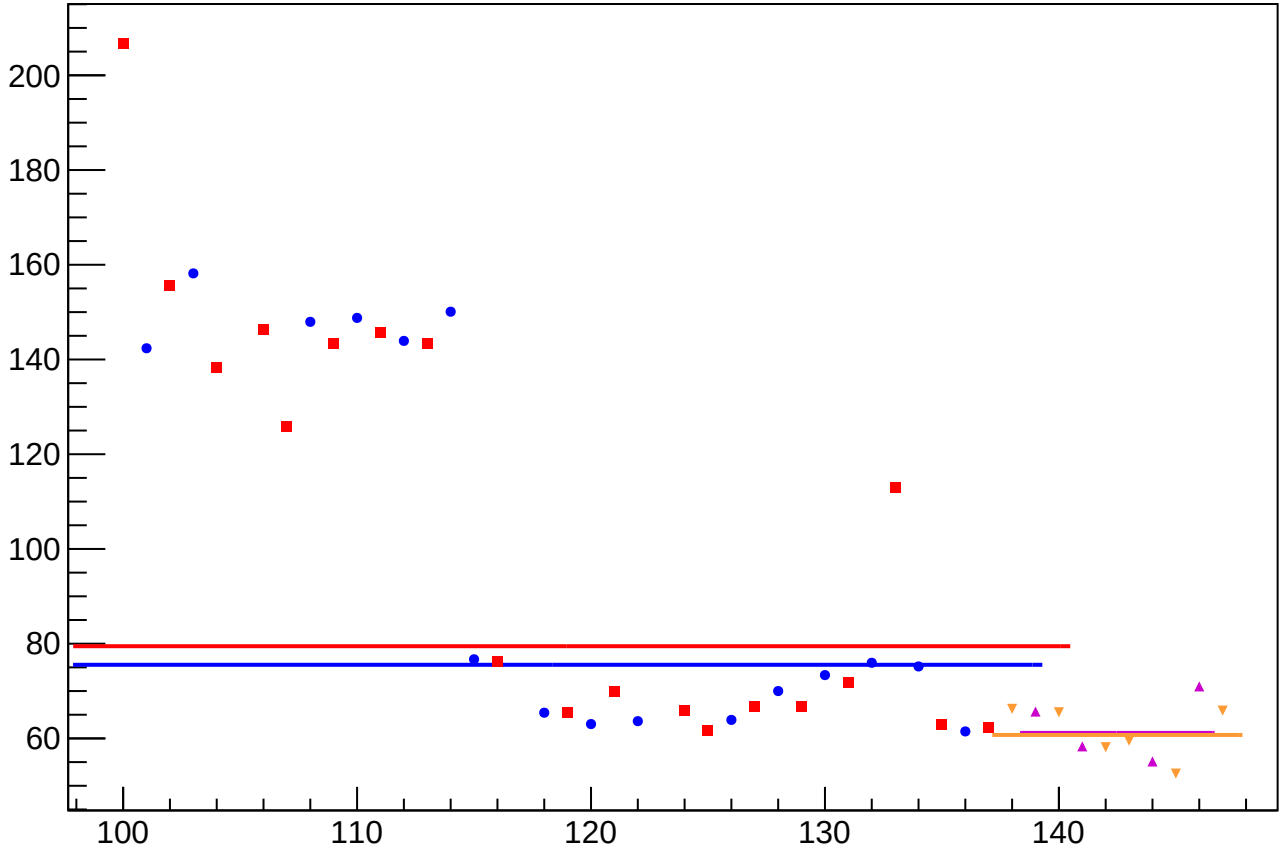
Left In: -16.731+/-33.221 χ^2/NDF:1.8/3

+ sign 51.016+/-20.831 χ^2/NDF: 22.5/21

All: 13.807+/-15.367 χ^2/NDF: 54.9/44

- sign -30.616+/-22.761 χ^2/NDF: 25.4/22

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.734+/-0.021 χ^2/NDF:68307.5/5

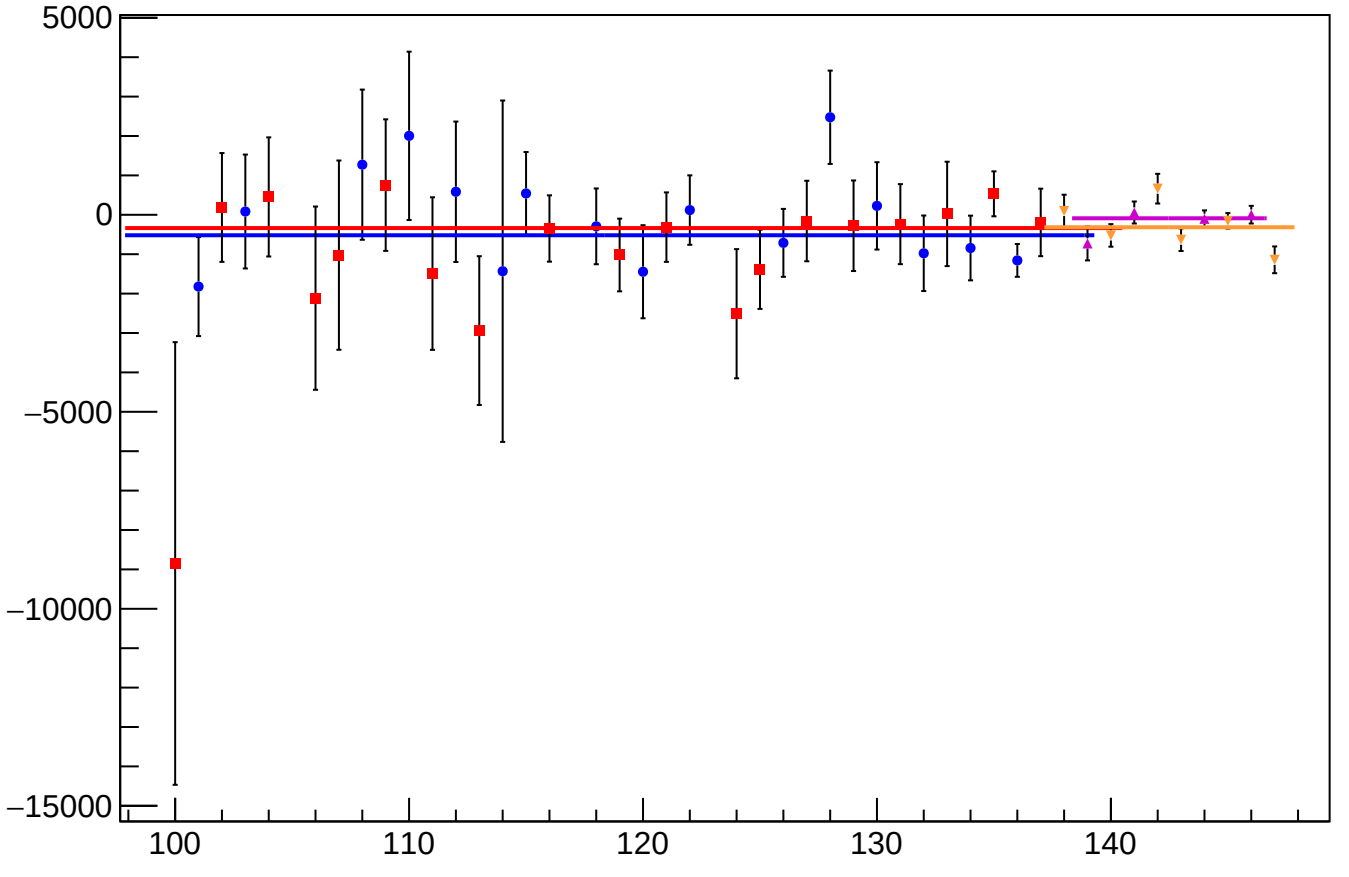
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.162+/-0.023 χ^2/NDF:64579.8/3

+ sign 67.919+/-0.015 χ^2/NDF: 1786344.6/21

All: 69.265+/-0.011 χ^2/NDF: 3875010.3/44

- sign 70.873+/-0.016 χ^2/NDF: 2070330.0/22



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -316.200+/-117.942 χ^2/NDF:16.1/5

Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

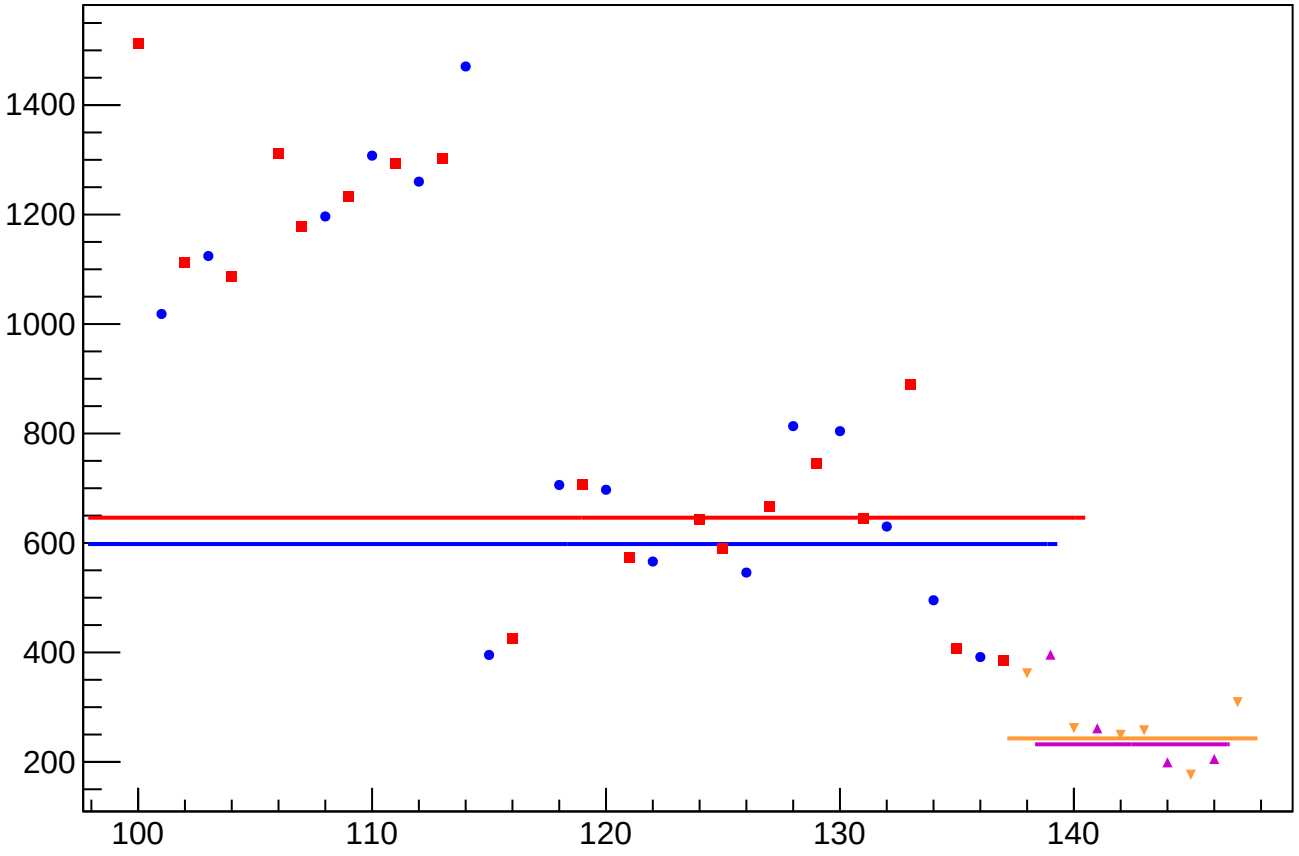
Left In: -88.508+/-128.965 χ^2/NDF:2.6/3

+ sign -355.350+/-105.963 χ^2/NDF: 32.5/21

All: -256.023+/-77.998 χ^2/NDF: 49.7/44

- sign -138.559+/-115.231 χ^2/NDF: 15.3/22

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 242.921+/-0.083 χ^2/NDF:483759.6/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

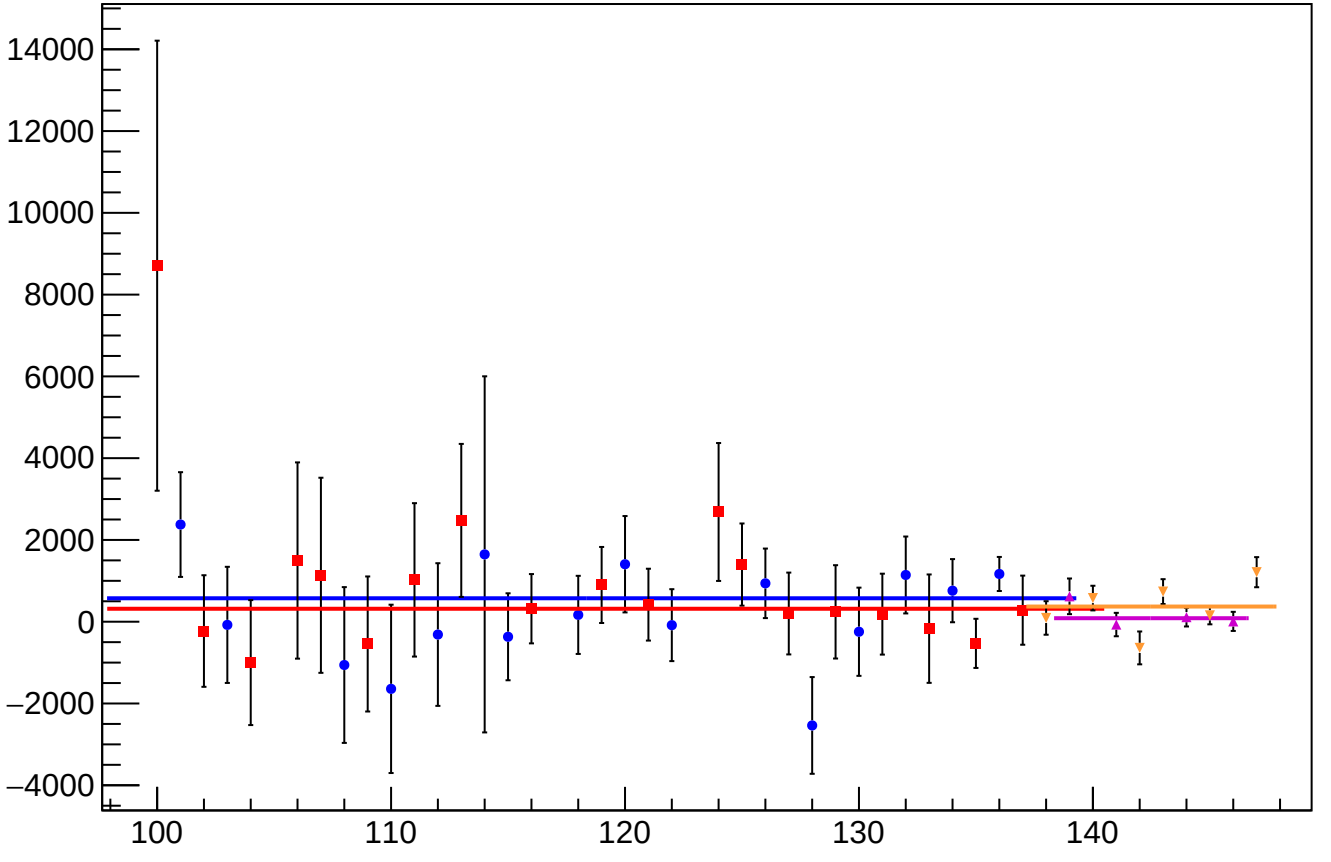
Left In: 232.162+/-0.091 χ^2/NDF:387037.5/3

+ sign 311.393+/-0.075 χ^2/NDF: 6027699.5/21

All: 313.341+/-0.055 χ^2/NDF: 12778025.1/44

- sign 315.645+/-0.081 χ^2/NDF: 6748849.9/22

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 371.078+/-126.795 χ^2/NDF:14.9/5

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

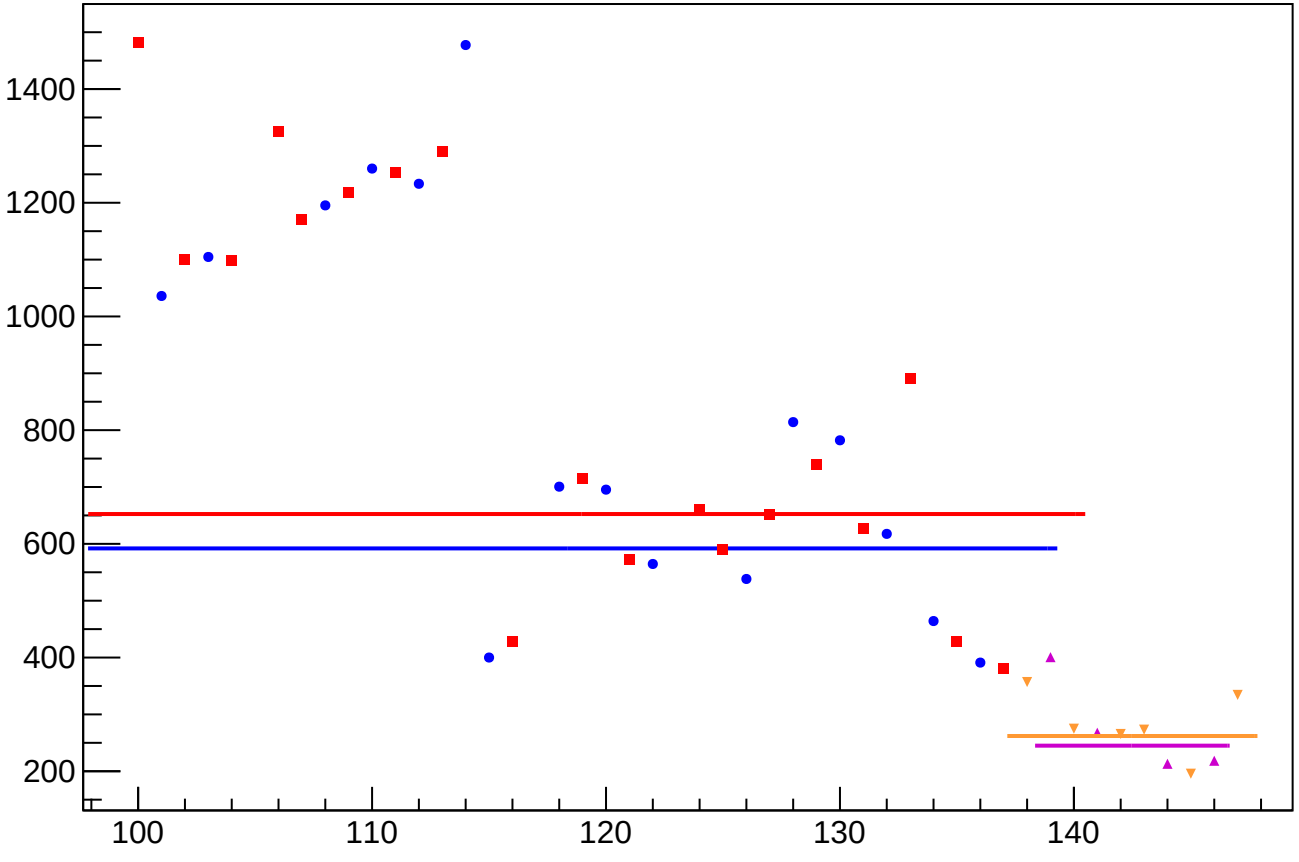
Left In: 85.718+/-134.911 χ^2/NDF:1.9/3

\+ sign 415.533+/-112.001 χ^2/NDF: 32.0/21

All: 284.561+/-81.743 χ^2/NDF: 48.5/44

\- sign 135.271+/-119.576 χ^2/NDF: 13.6/22

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 262.000+/-0.090 χ^2/NDF:374396.7/5

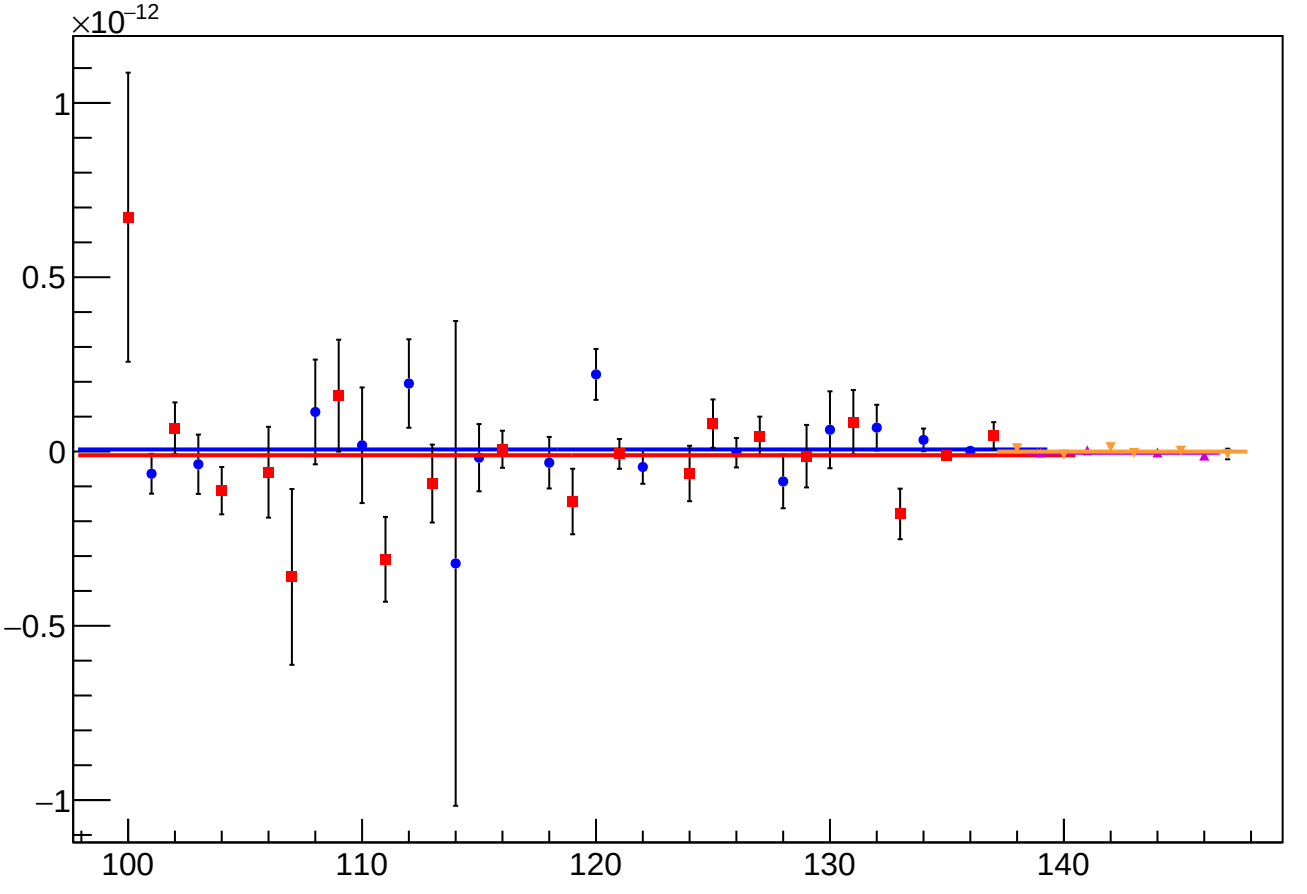
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 245.010+/-0.095 χ^2/NDF:332218.9/3

+ sign 334.512+/-0.079 χ^2/NDF: 5386649.2/21

All: 333.512+/-0.058 χ^2/NDF: 11720559.8/44

- sign 332.372+/-0.085 χ^2/NDF: 6333569.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/5

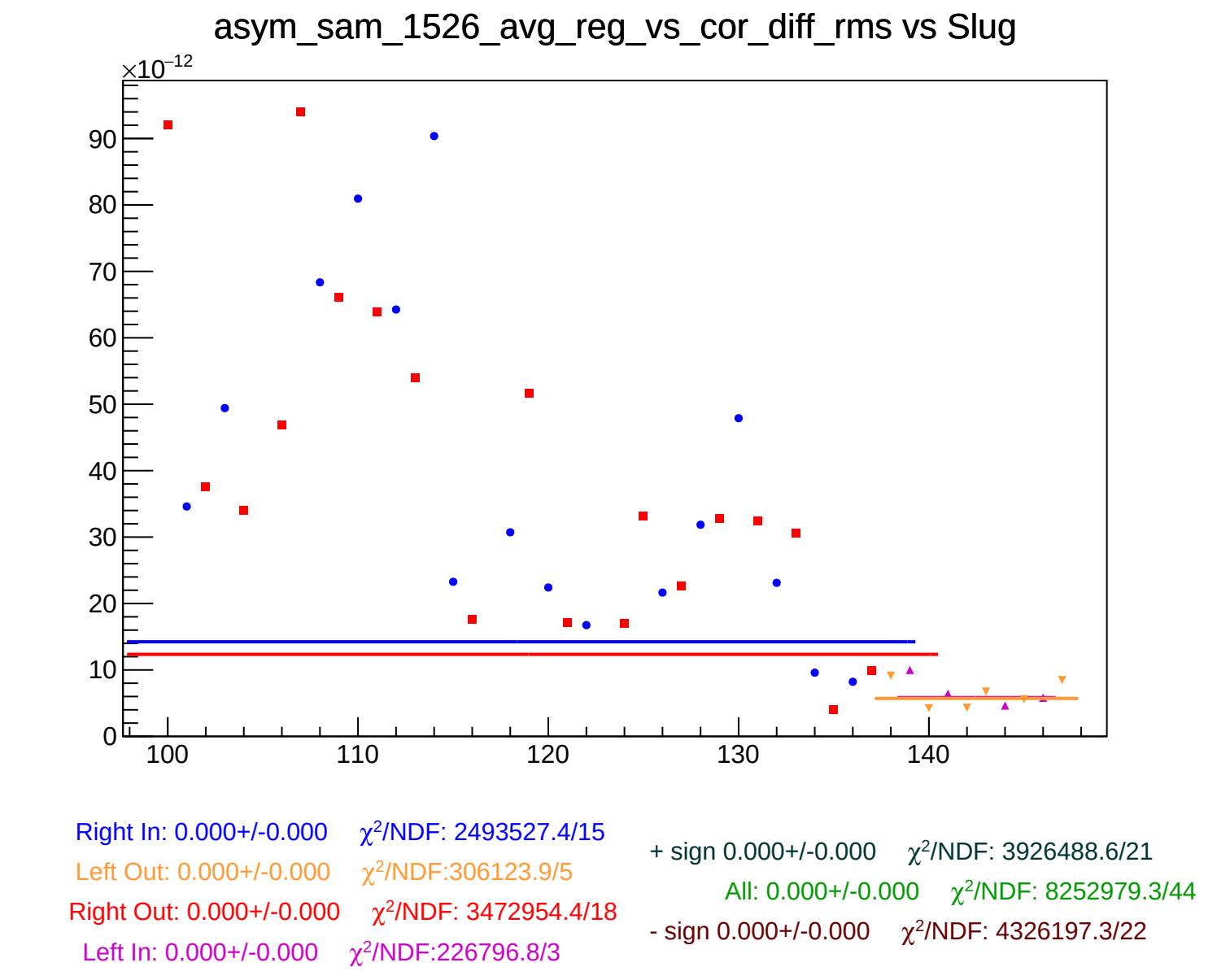
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

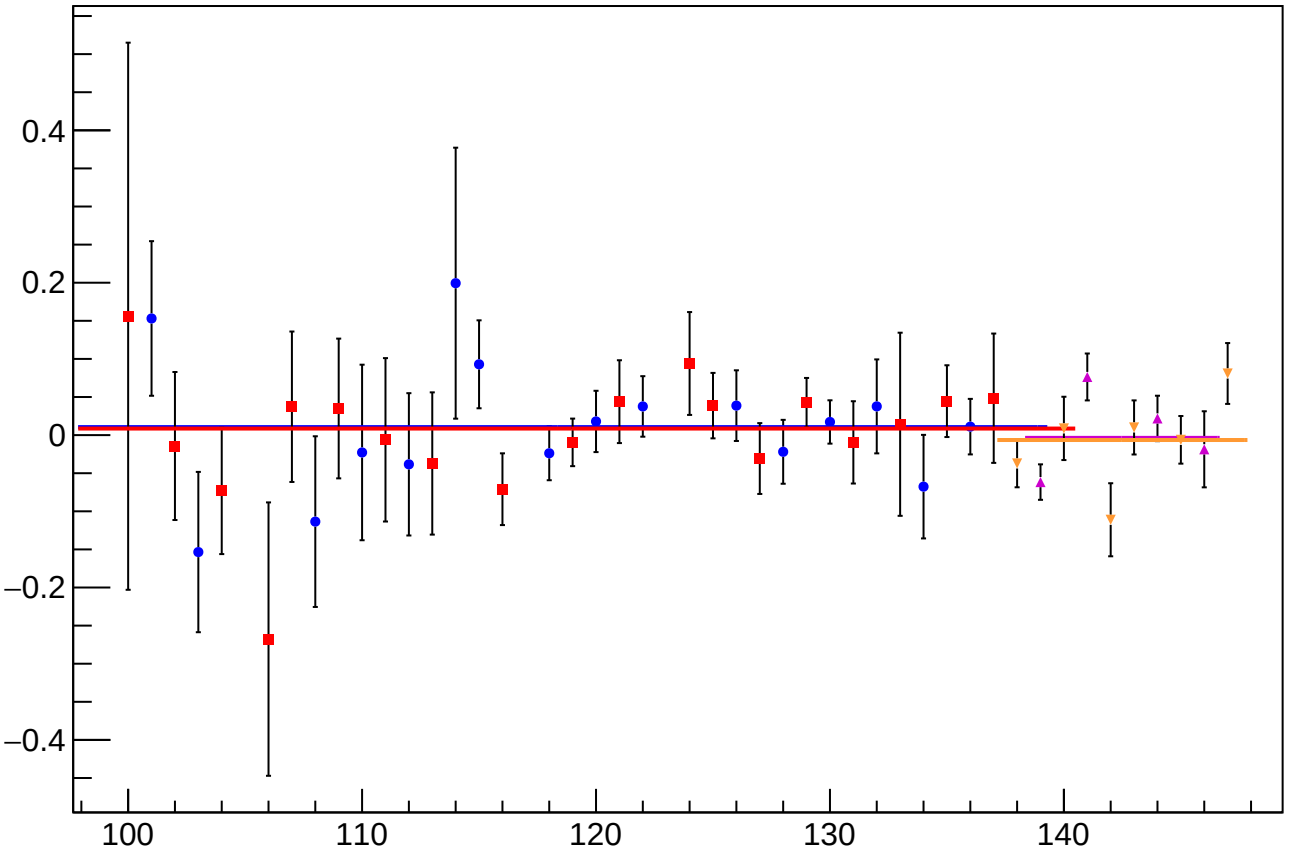
Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 53.7/44

- sign -0.000+/-0.000 χ^2/NDF: 30.8/22


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:306123.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:226796.8/3
+ sign 0.000+/-0.000 χ²/NDF: 3926488.6/21
All: 0.000+/-0.000 χ²/NDF: 8252979.3/44
- sign 0.000+/-0.000 χ²/NDF: 4326197.3/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

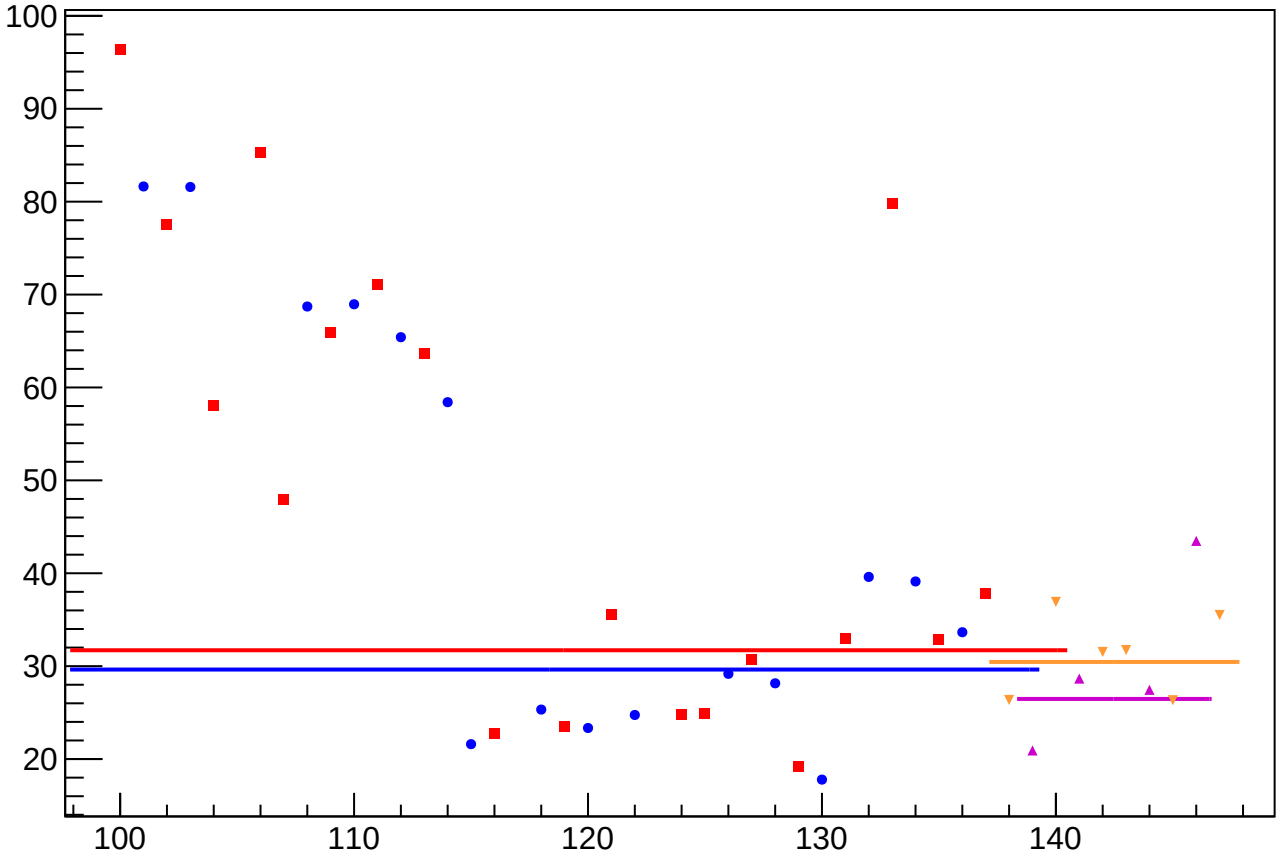
Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign 0.003+/-0.010 χ^2/NDF: 24.7/21

All: 0.003+/-0.007 χ^2/NDF: 51.3/44

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22

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: 30.454+/-0.011 χ^2/NDF:153155.6/5

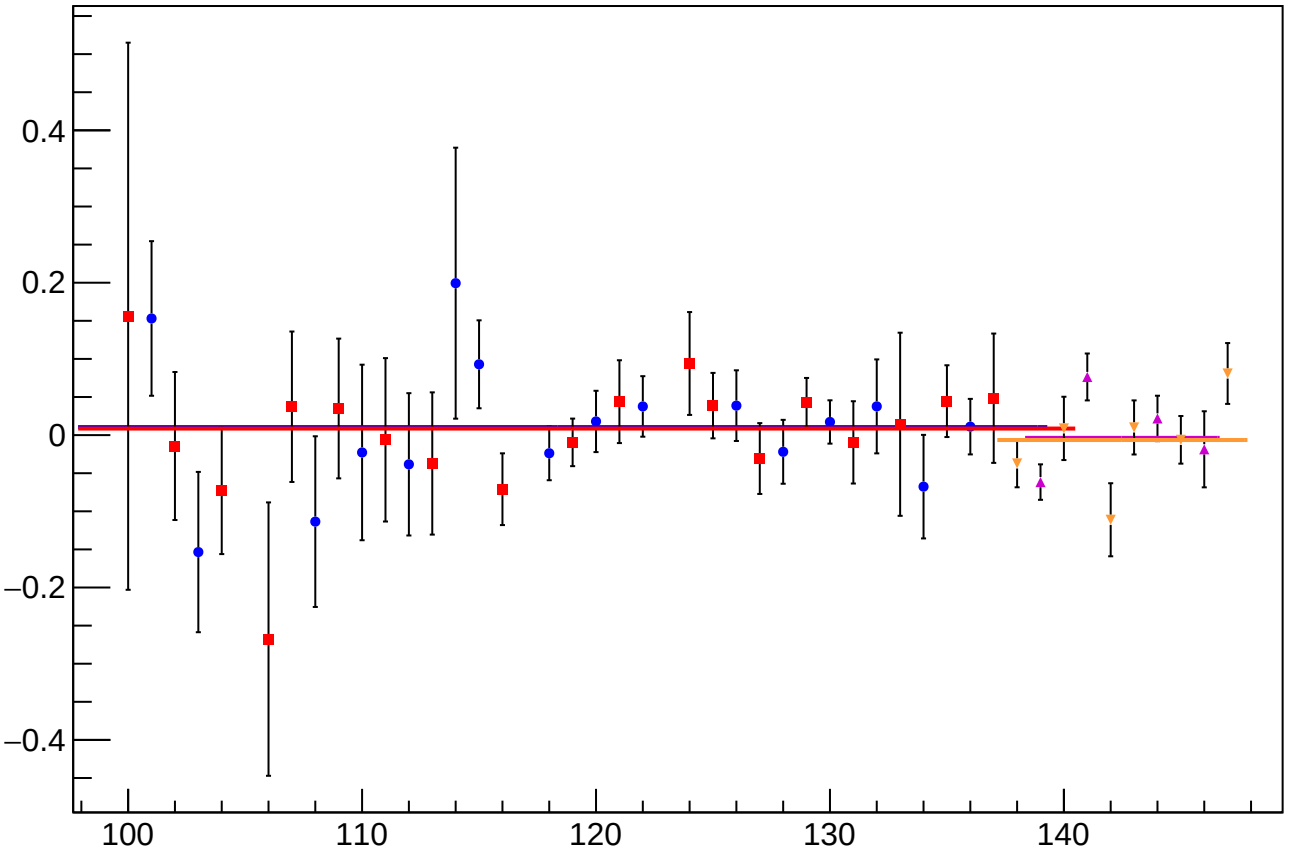
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

+ sign 29.974+/-0.007 χ^2/NDF: 2605149.4/21

All: 29.707+/-0.005 χ^2/NDF: 5754684.6/44

- sign 29.422+/-0.007 χ^2/NDF: 3146353.6/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

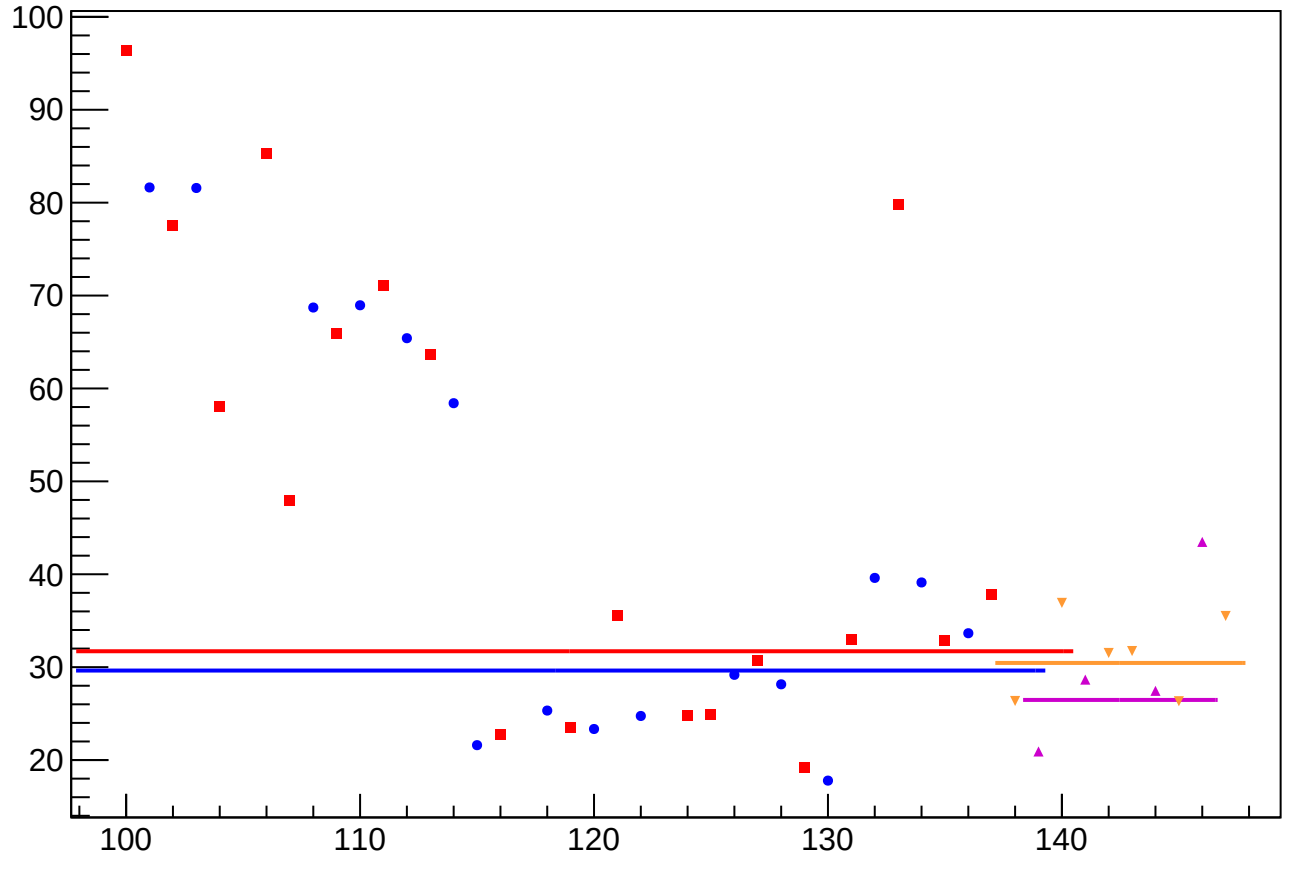
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign 0.003+/-0.010 χ^2/NDF: 24.7/21

All: 0.003+/-0.007 χ^2/NDF: 51.3/44

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

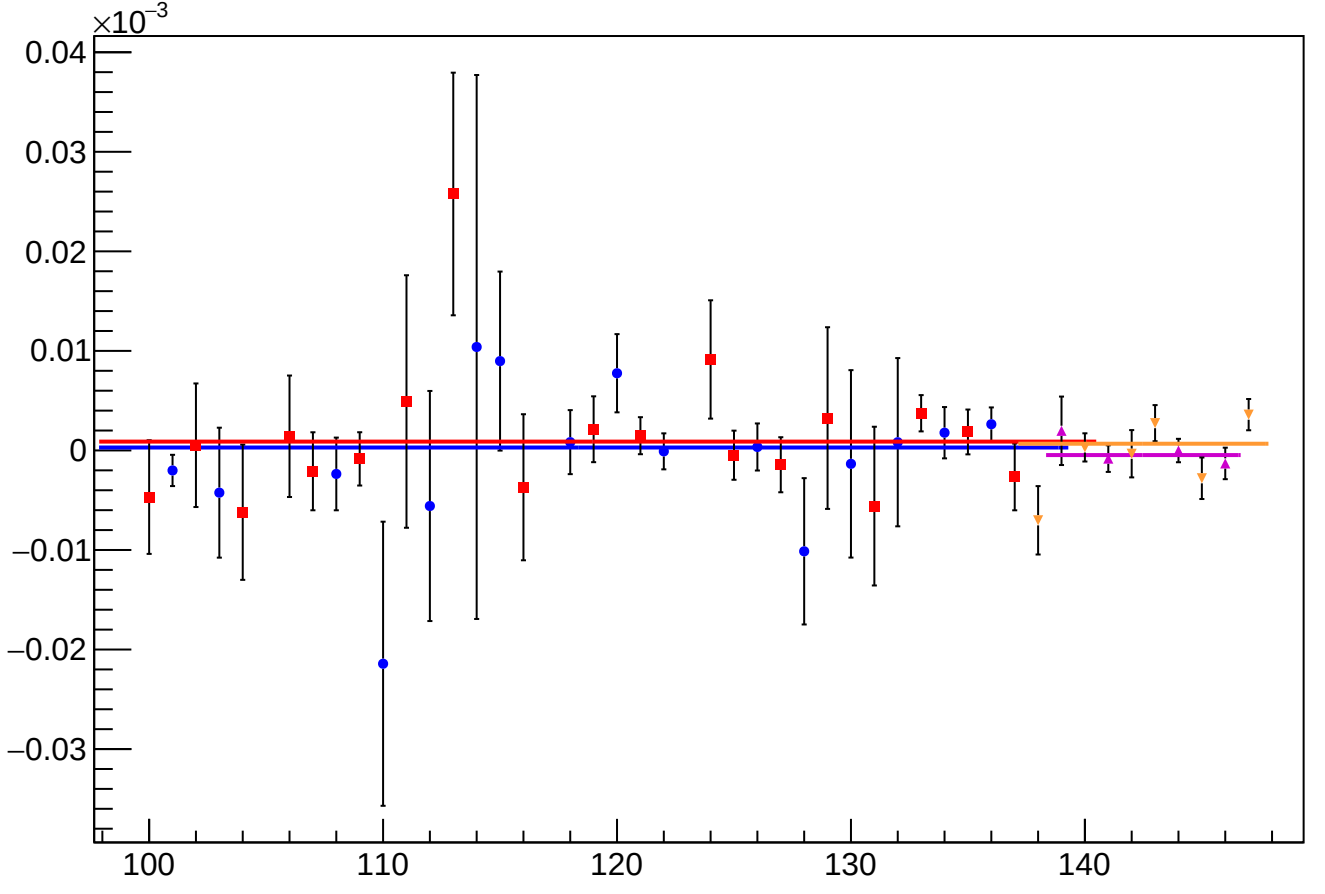
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

+ sign 29.974+/-0.007 χ^2/NDF: 2605149.4/21

All: 29.707+/-0.005 χ^2/NDF: 5754684.6/44

- sign 29.422+/-0.007 χ^2/NDF: 3146353.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/5

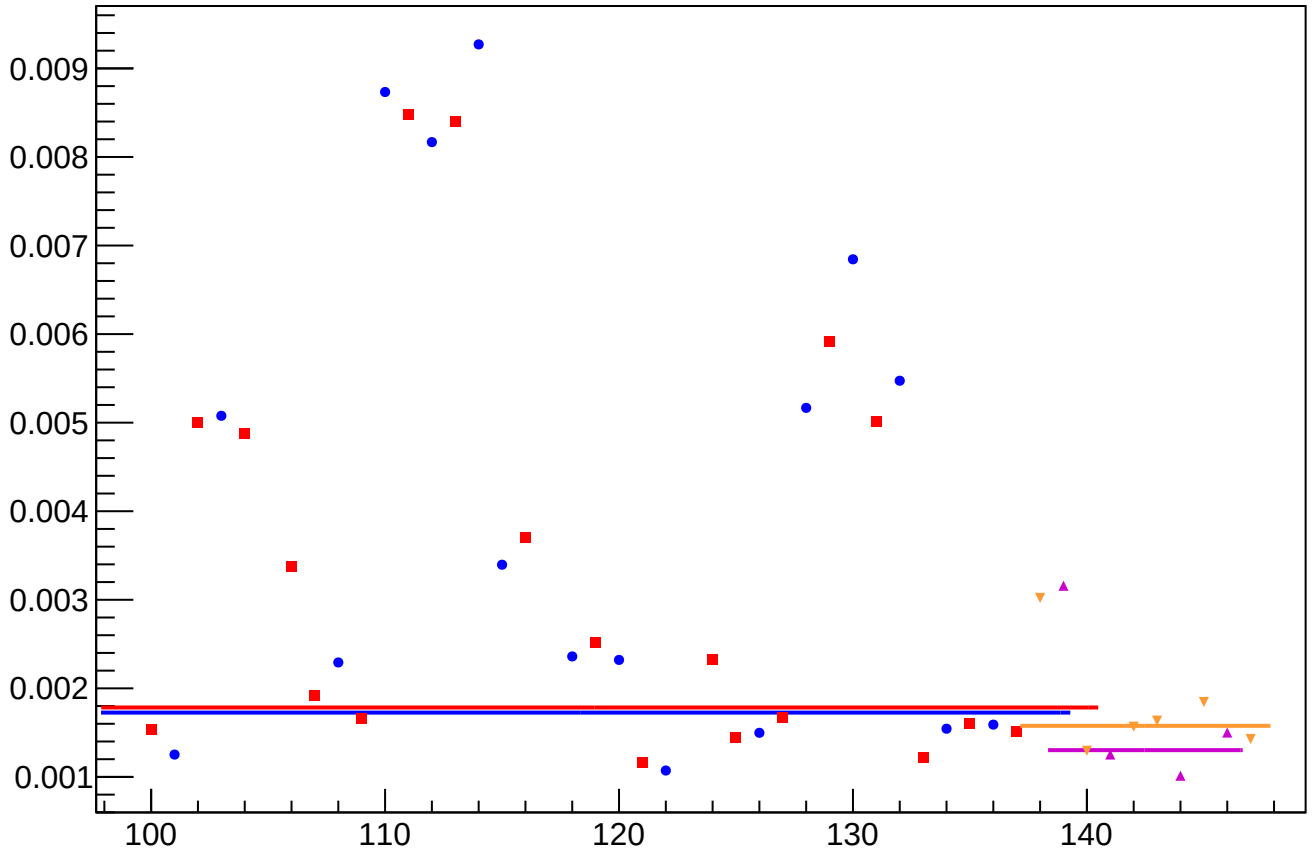
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/21

All: 0.000+/-0.000 χ^2/NDF: 45.8/44

- sign 0.000+/-0.000 χ^2/NDF: 17.9/22



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:485974.5/5

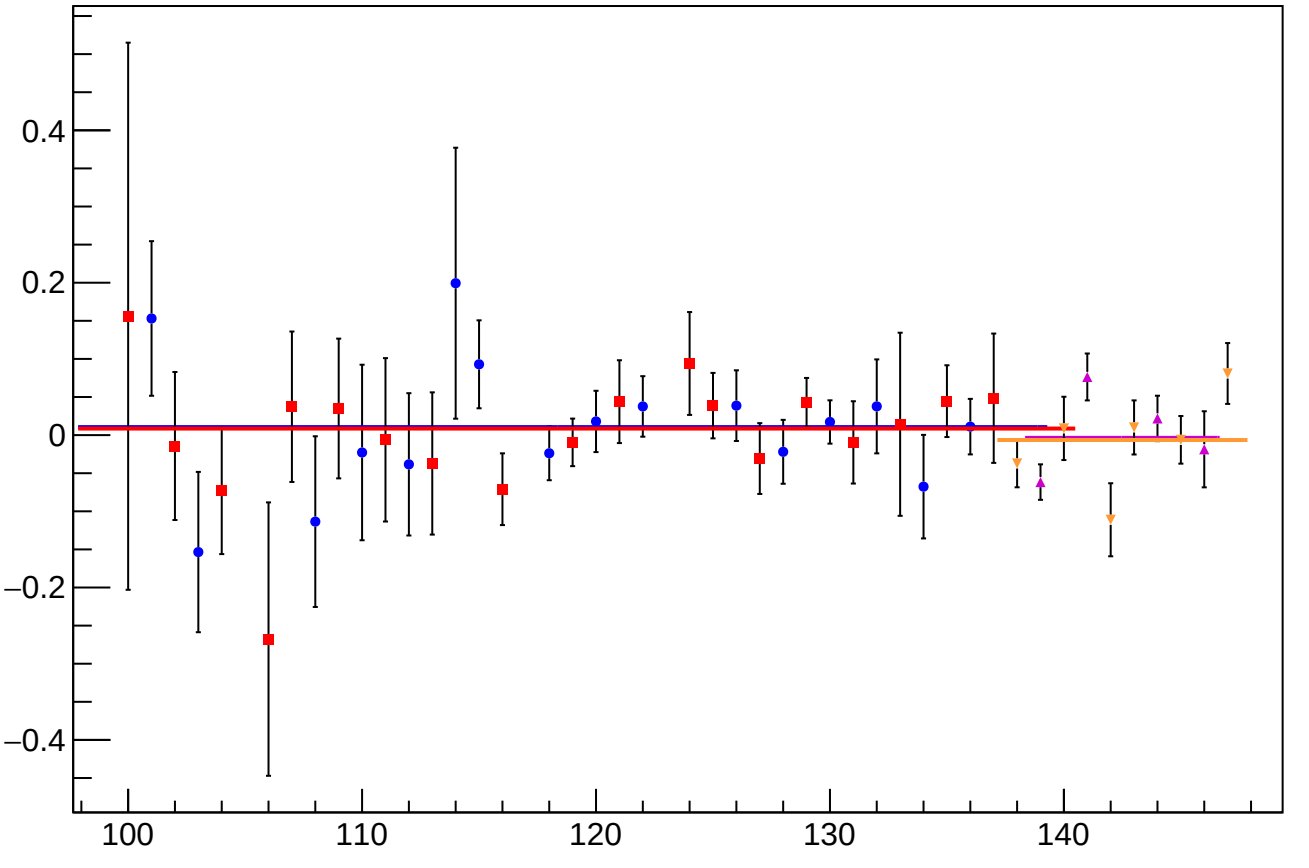
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:737681.8/3

+ sign 0.002+/-0.000 χ^2/NDF: 4456490.7/21

All: 0.002+/-0.000 χ^2/NDF: 9356213.2/44

- sign 0.002+/-0.000 χ^2/NDF: 4853381.4/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

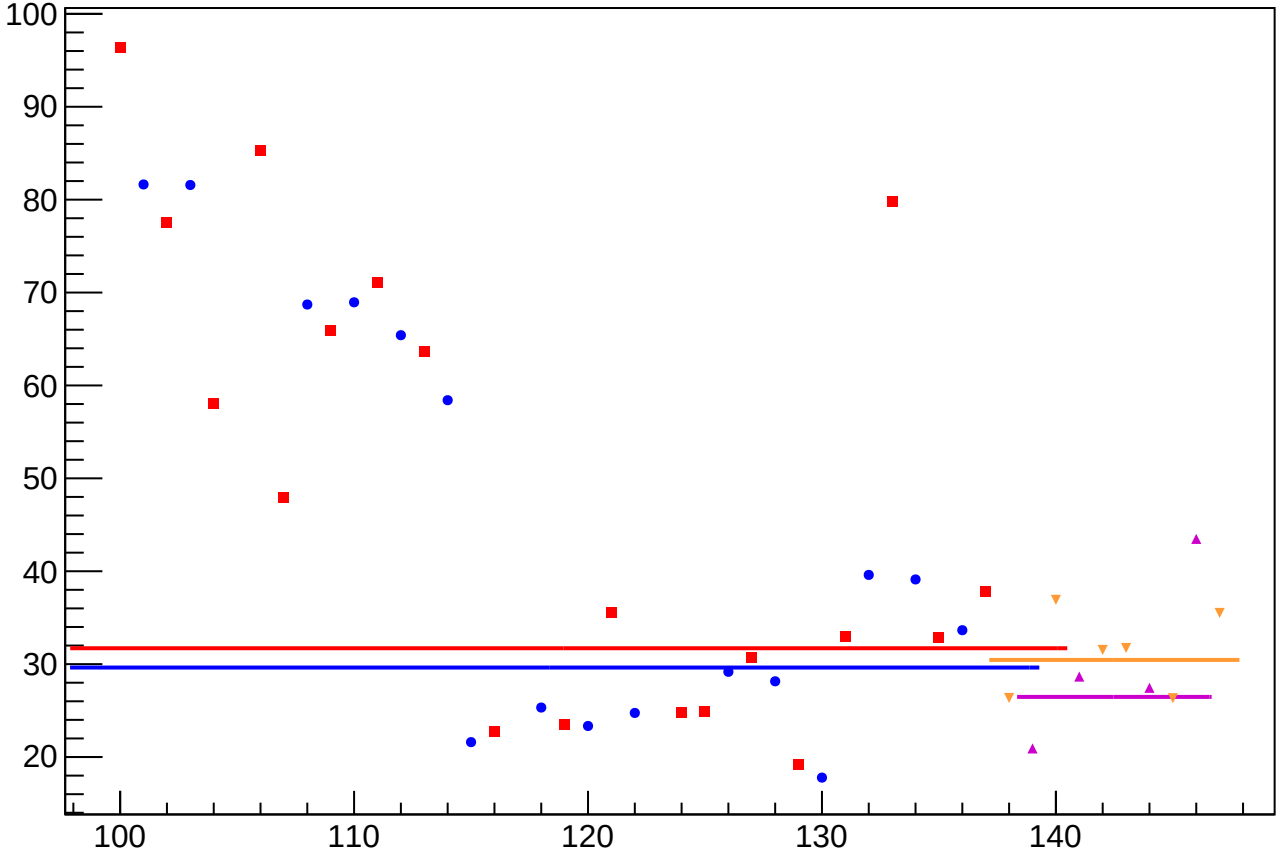
Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign 0.003+/-0.010 χ^2/NDF: 24.8/21

All: 0.003+/-0.007 χ^2/NDF: 51.3/44

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

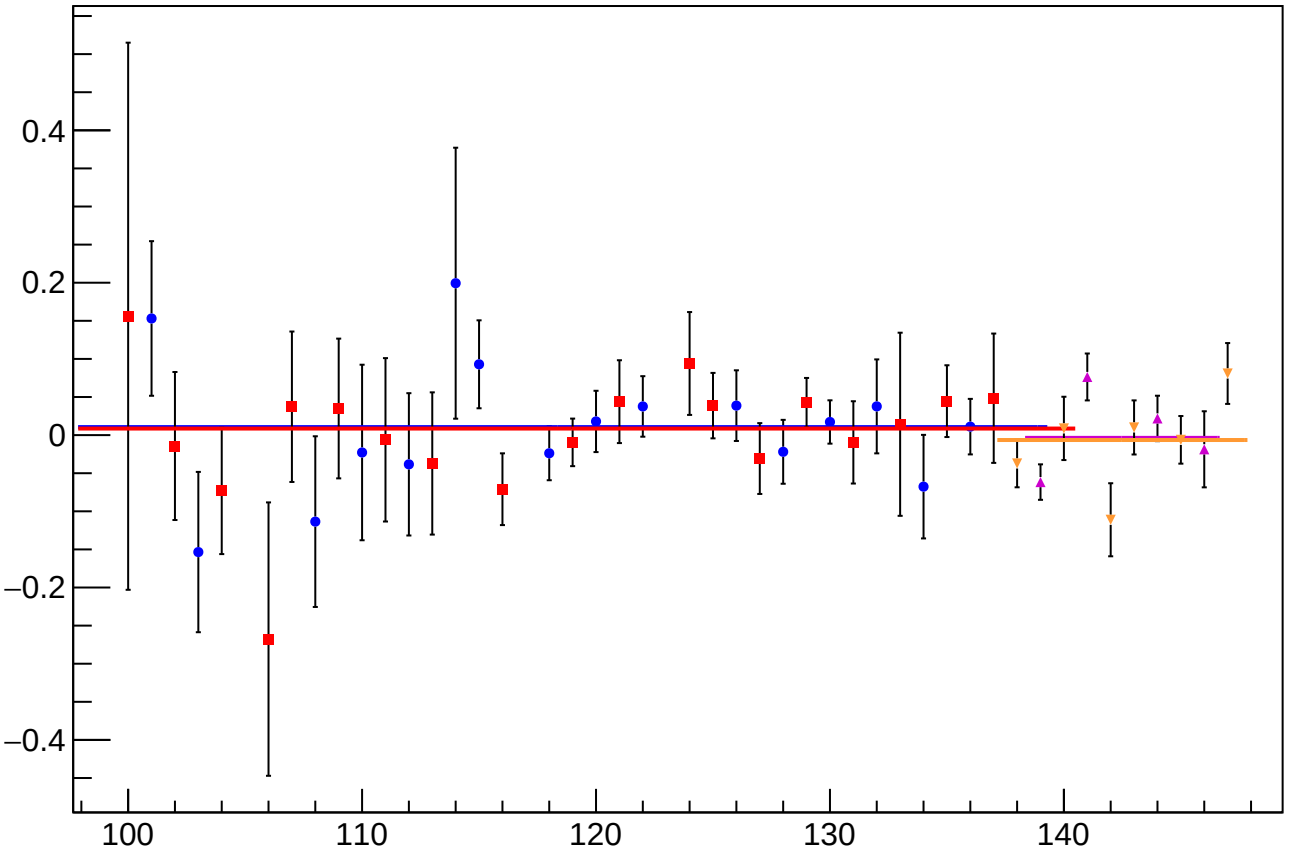
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

+ sign 29.973+/-0.007 χ^2/NDF: 2605361.0/21

All: 29.707+/-0.005 χ^2/NDF: 5754968.8/44

- sign 29.422+/-0.007 χ^2/NDF: 3146428.0/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

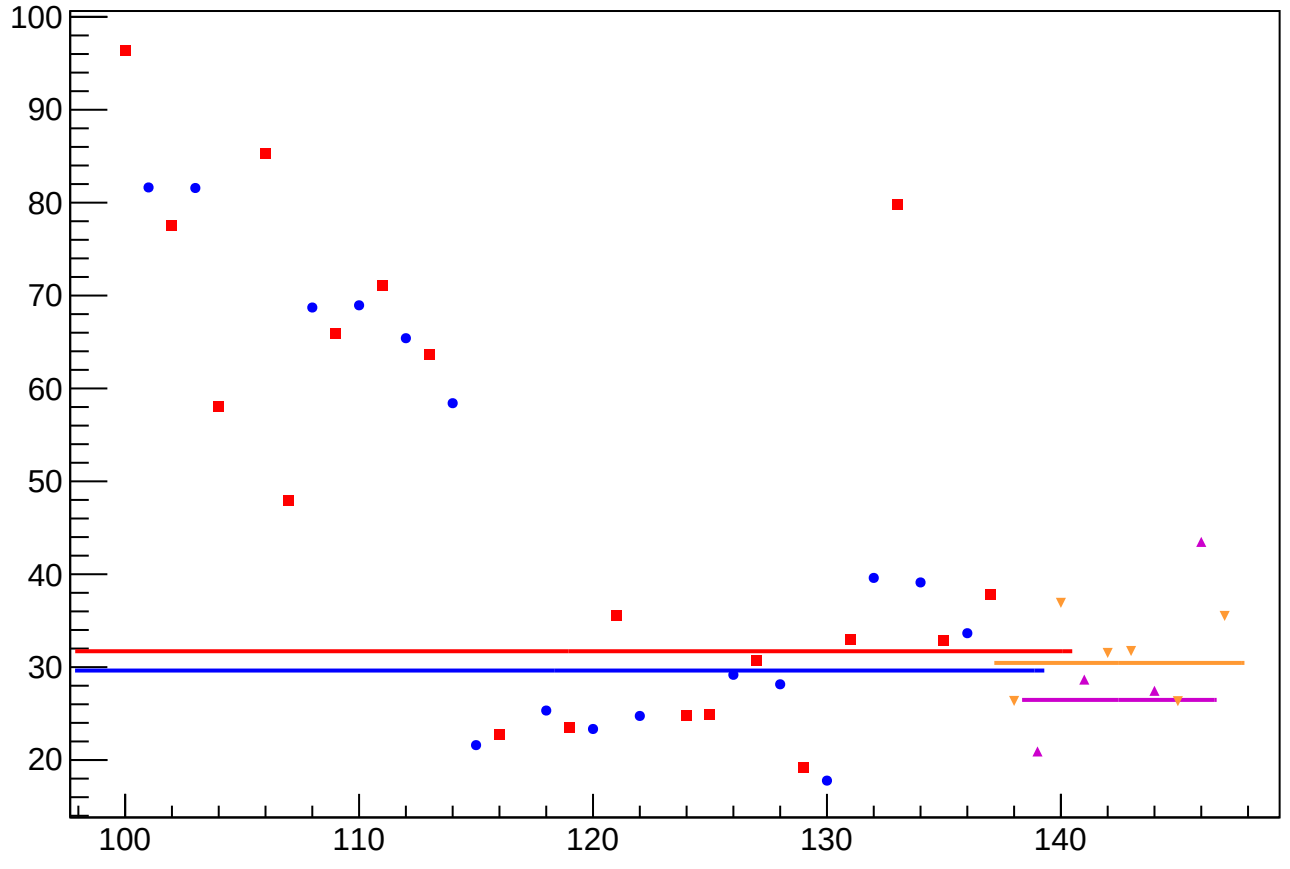
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign 0.003+/-0.010 χ^2/NDF: 24.8/21

All: 0.003+/-0.007 χ^2/NDF: 51.3/44

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

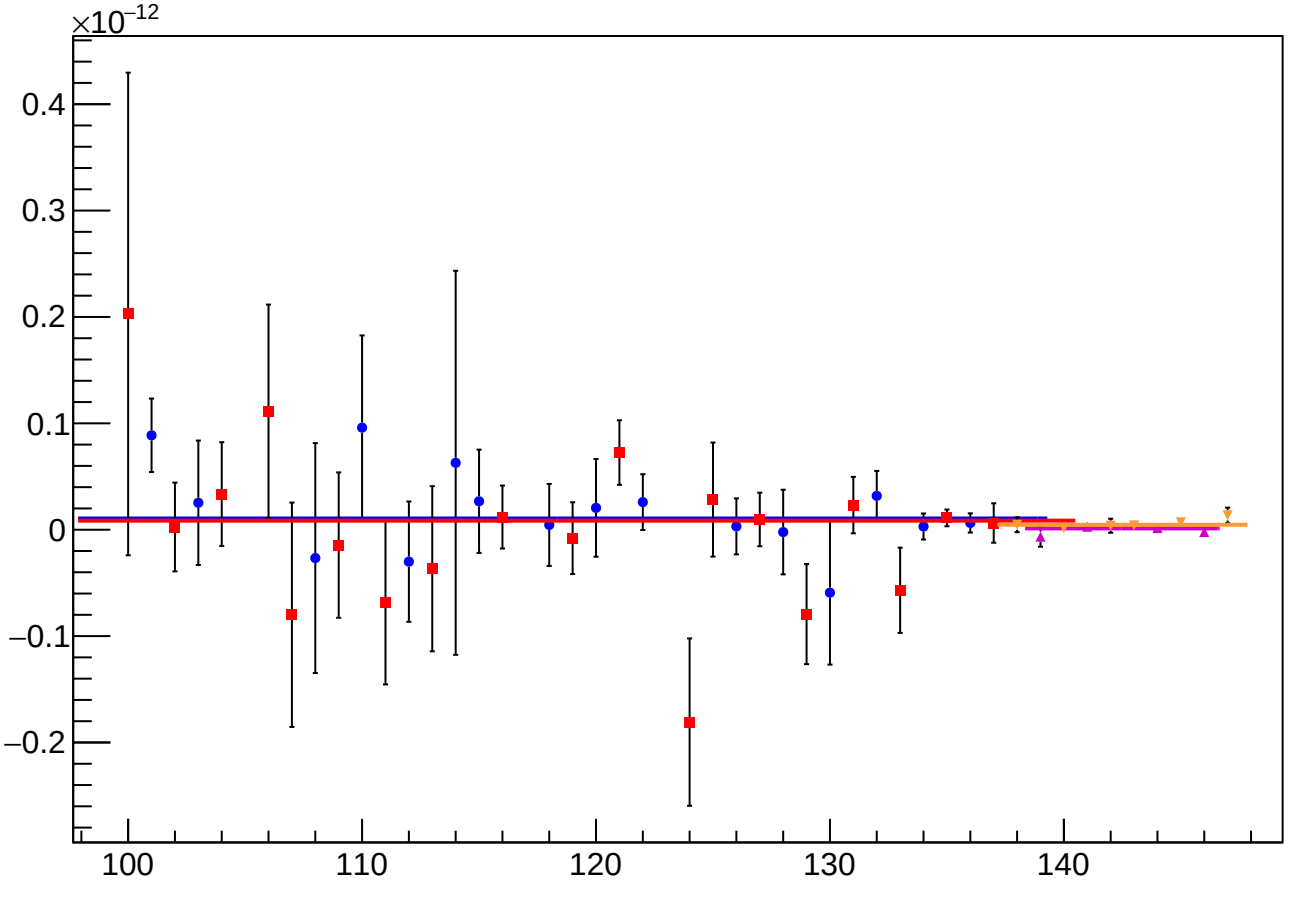
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

+ sign 29.973+/-0.007 χ^2/NDF: 2605361.0/21

All: 29.707+/-0.005 χ^2/NDF: 5754968.8/44

- sign 29.422+/-0.007 χ^2/NDF: 3146428.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/5

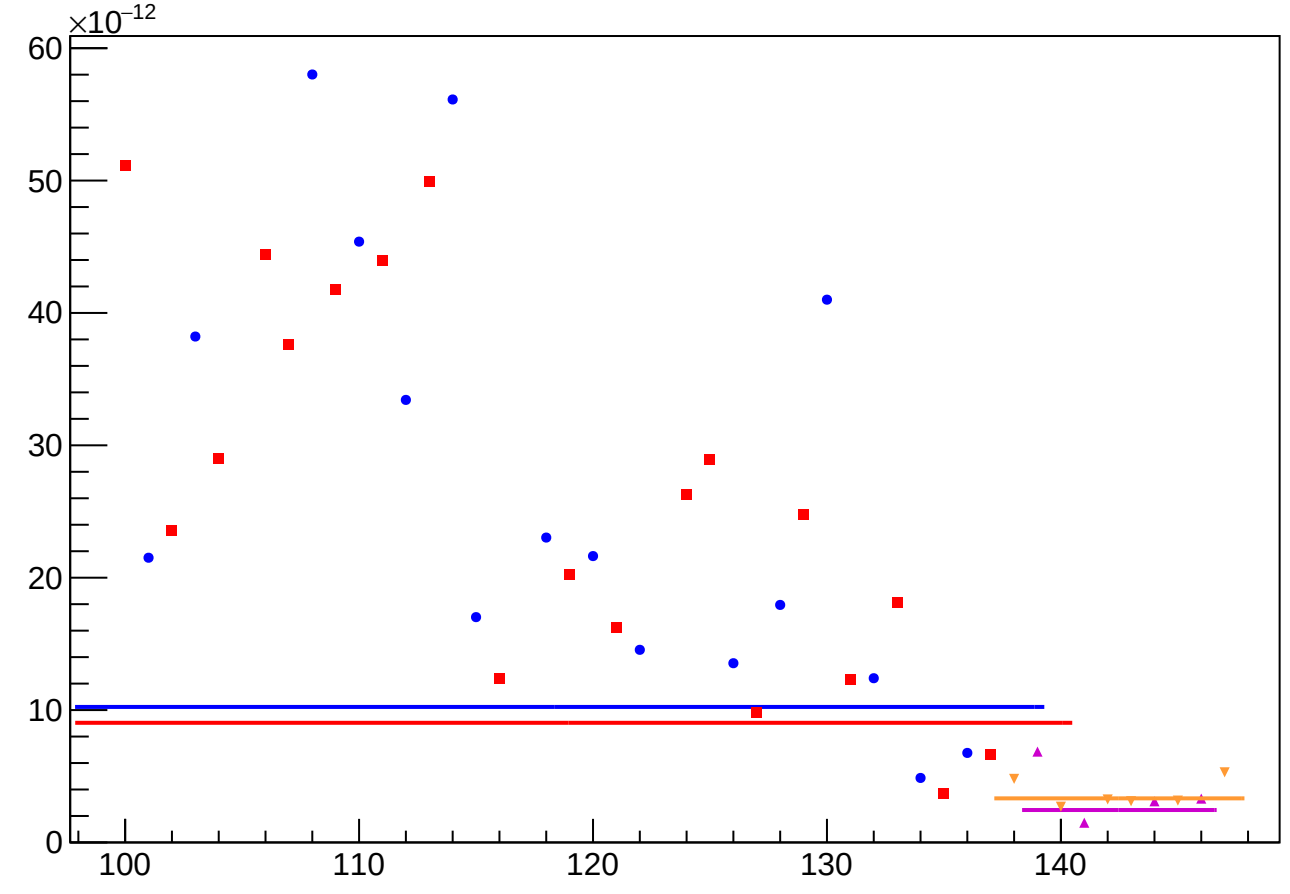
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 13.4/21

All: 0.000+/-0.000 χ^2/NDF: 39.3/44

- sign 0.000+/-0.000 χ^2/NDF: 24.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:296841.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

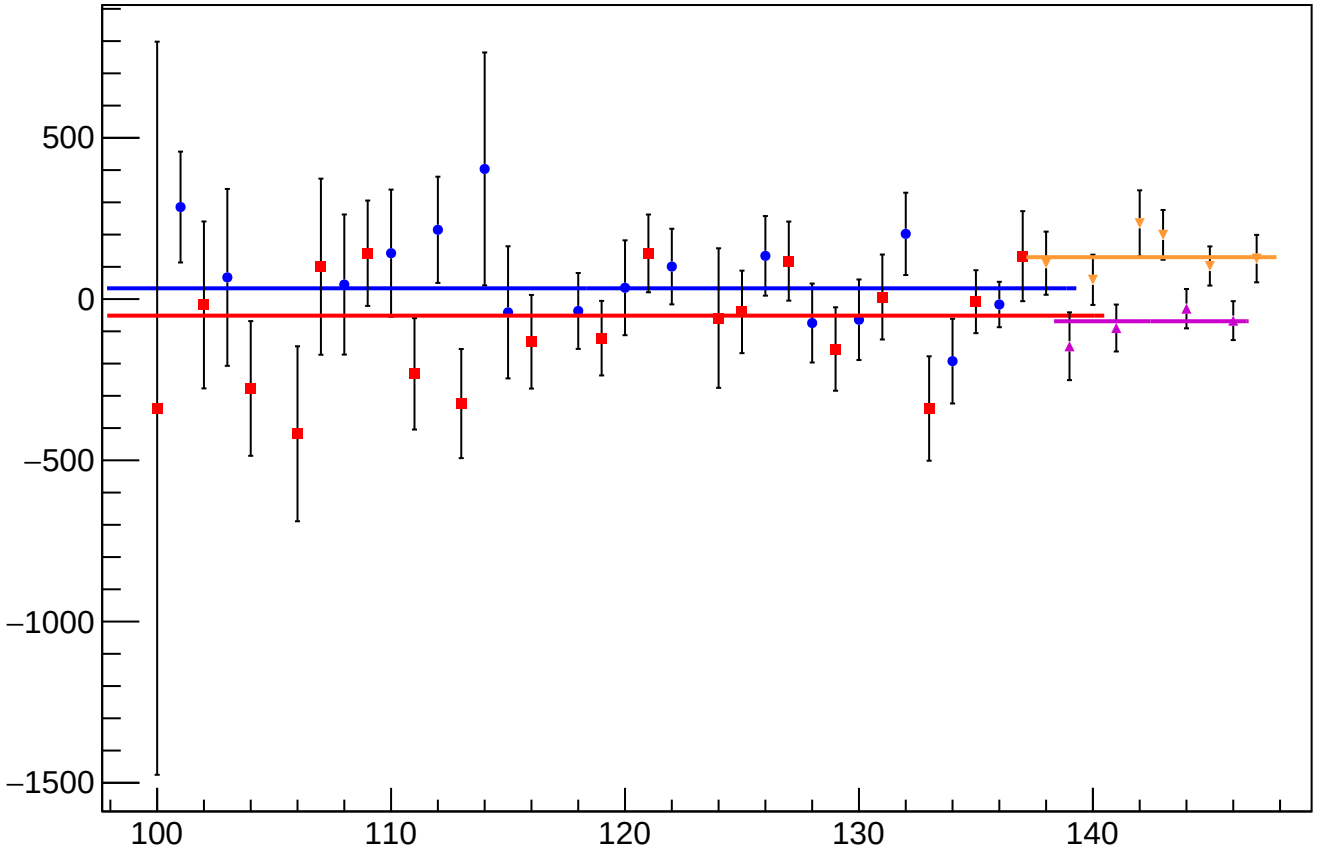
Left In: 0.000+/-0.000 χ^2/NDF:812433.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 6183409.8/21

All: 0.000+/-0.000 χ^2/NDF: 13990279.9/44

- sign 0.000+/-0.000 χ^2/NDF: 7556362.8/22

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.919+/-31.795 χ^2/NDF:2.9/5

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

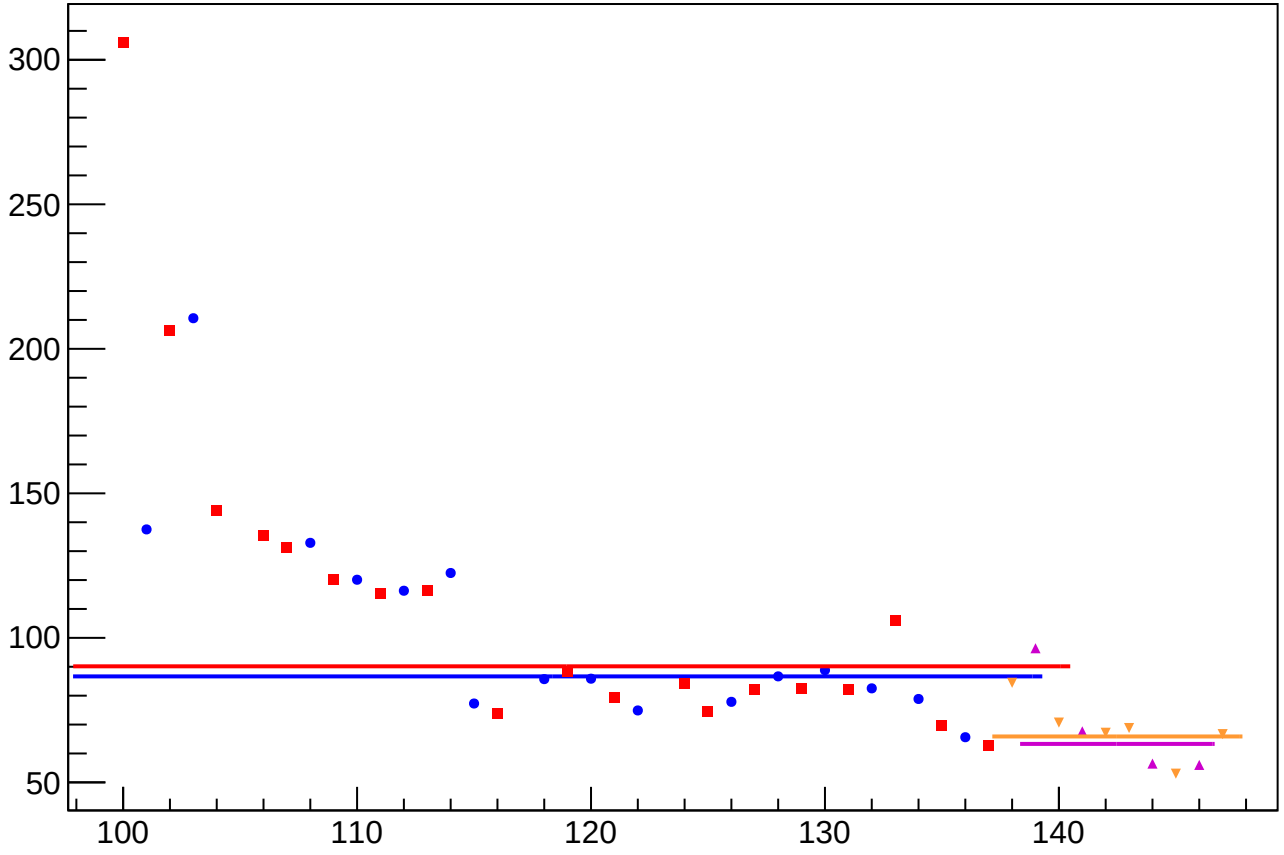
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 84.736+/-23.185 χ^2/NDF: 20.0/21

All: 16.790+/-16.888 χ^2/NDF: 59.1/44

- sign -60.012+/-24.649 χ^2/NDF: 20.7/22

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

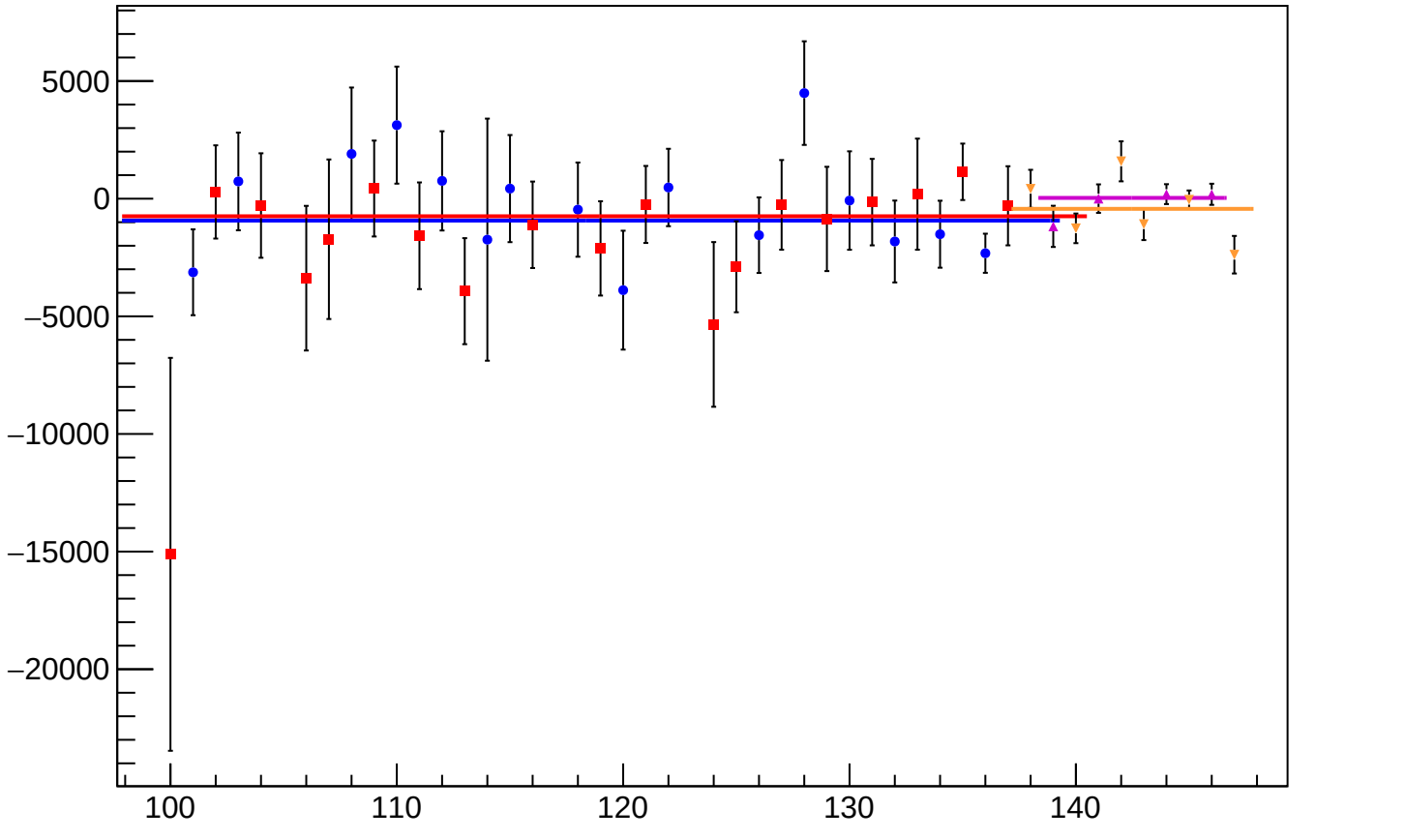
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 75.615+/-0.016 χ^2/NDF: 1611858.3/21

All: 76.141+/-0.012 χ^2/NDF: 3616670.8/44

- sign 76.736+/-0.017 χ^2/NDF: 2002620.7/22



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -431.844+/-253.152 χ^2/NDF:16.3/5

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

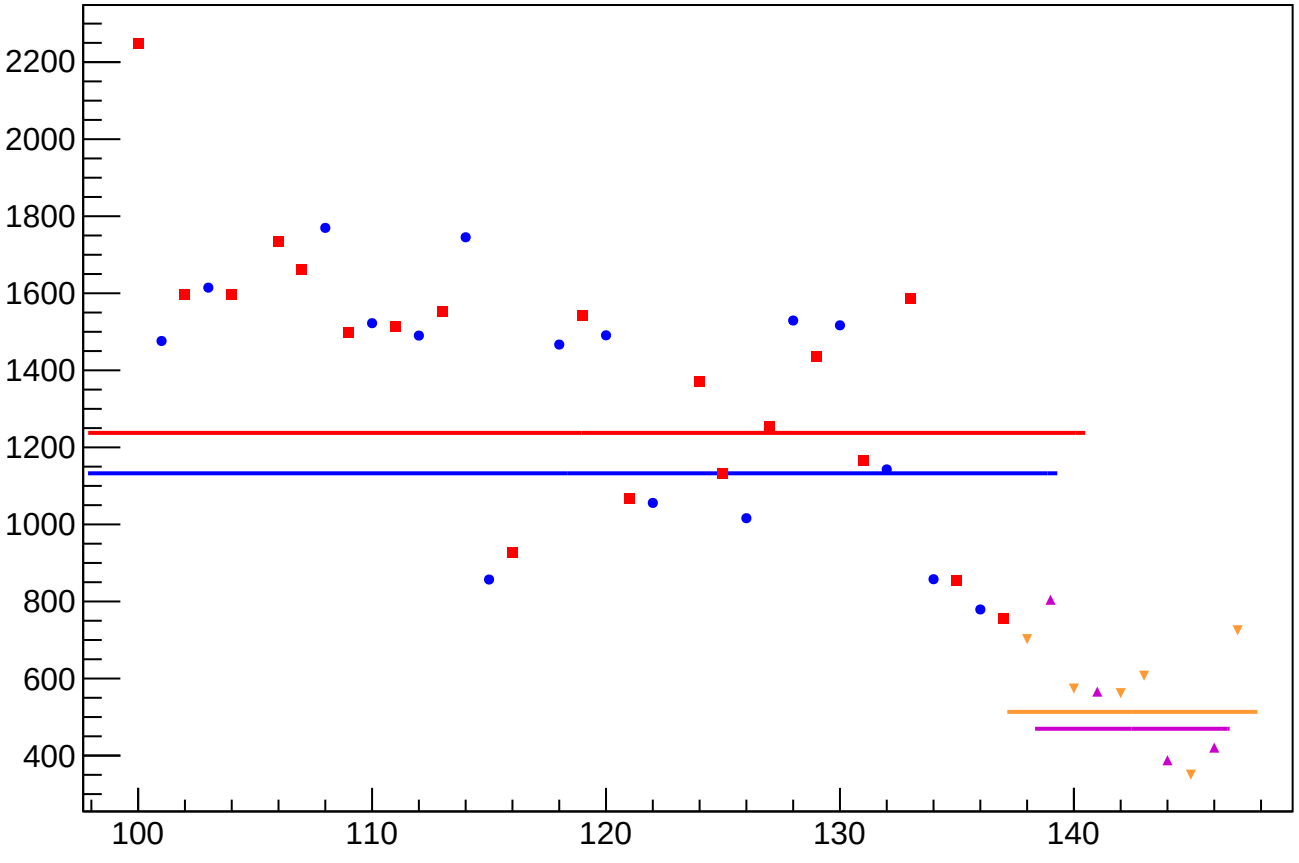
Left In: 33.063+/-261.811 χ^2/NDF:2.2/3

\+ sign -555.313+/-219.537 χ^2/NDF: 35.8/21

All: -362.171+/-158.302 χ^2/NDF: 54.7/44

\- sign -152.979+/-228.476 χ^2/NDF: 17.3/22

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 513.427+/-0.179 χ^2/NDF:654319.2/5

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

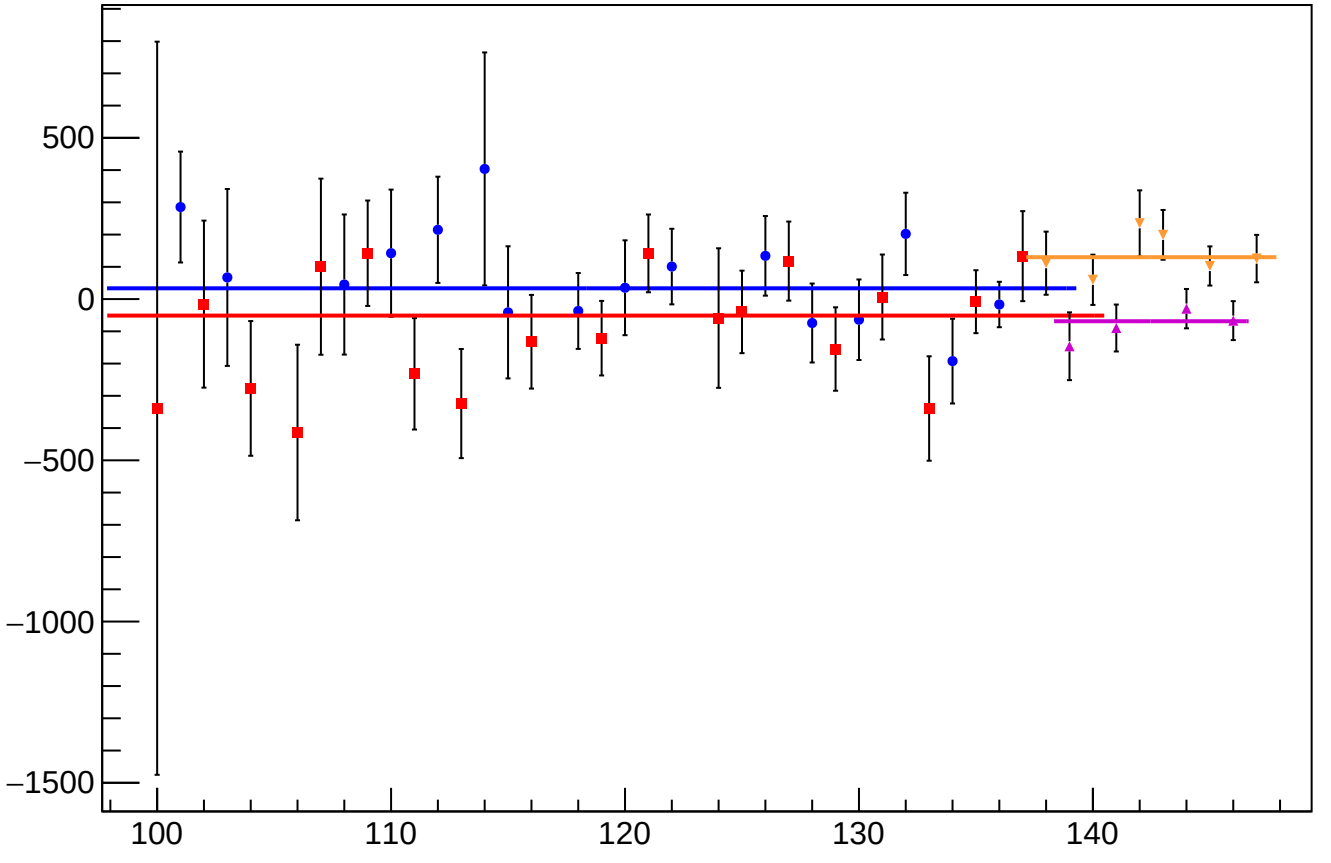
Left In: 469.577+/-0.185 χ^2/NDF:441605.3/3

+ sign 666.967+/-0.155 χ^2/NDF: 4745778.2/21

All: 660.118+/-0.112 χ^2/NDF: 10190345.3/44

- sign 652.699+/-0.162 χ^2/NDF: 5440511.7/22

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

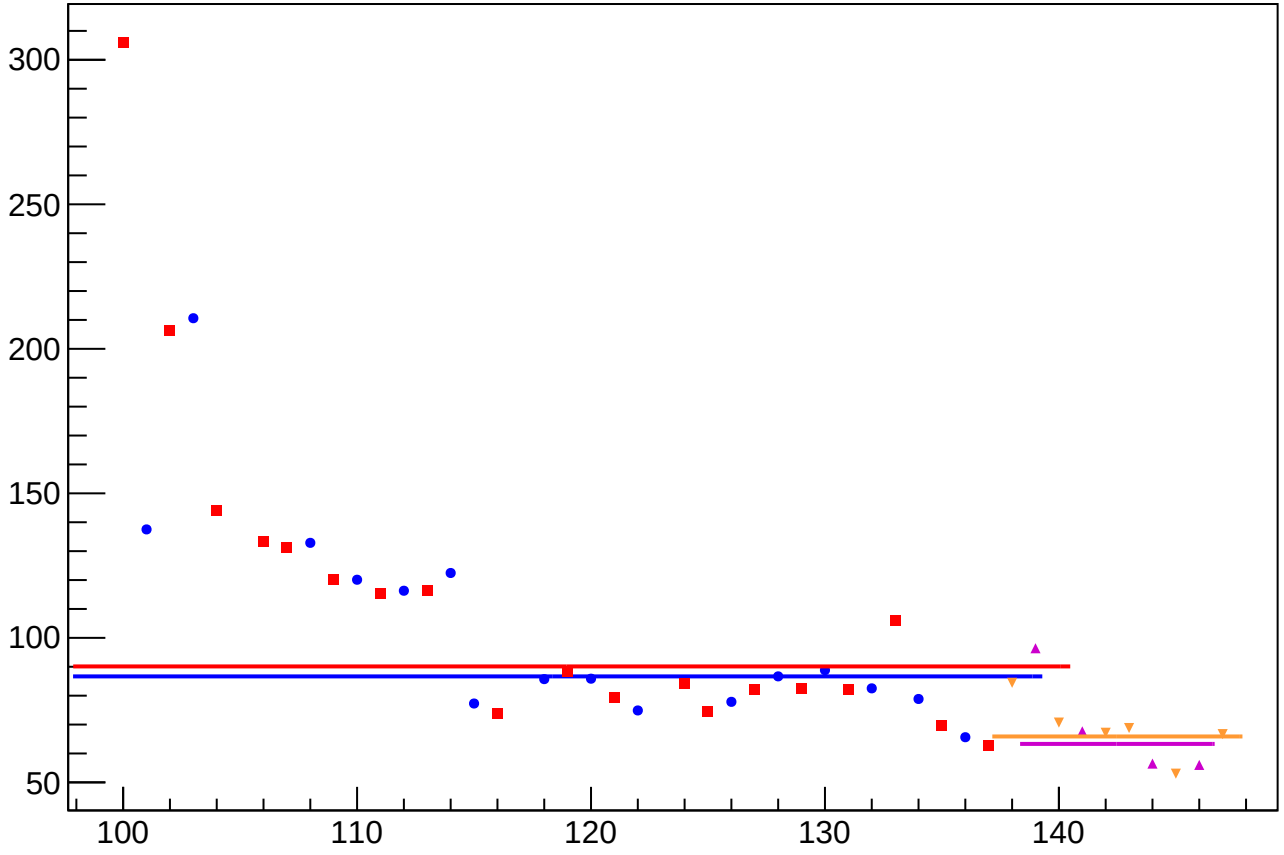
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 84.734+/-23.185 χ^2/NDF: 20.0/21

All: 16.826+/-16.888 χ^2/NDF: 59.0/44

- sign -59.938+/-24.650 χ^2/NDF: 20.7/22

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

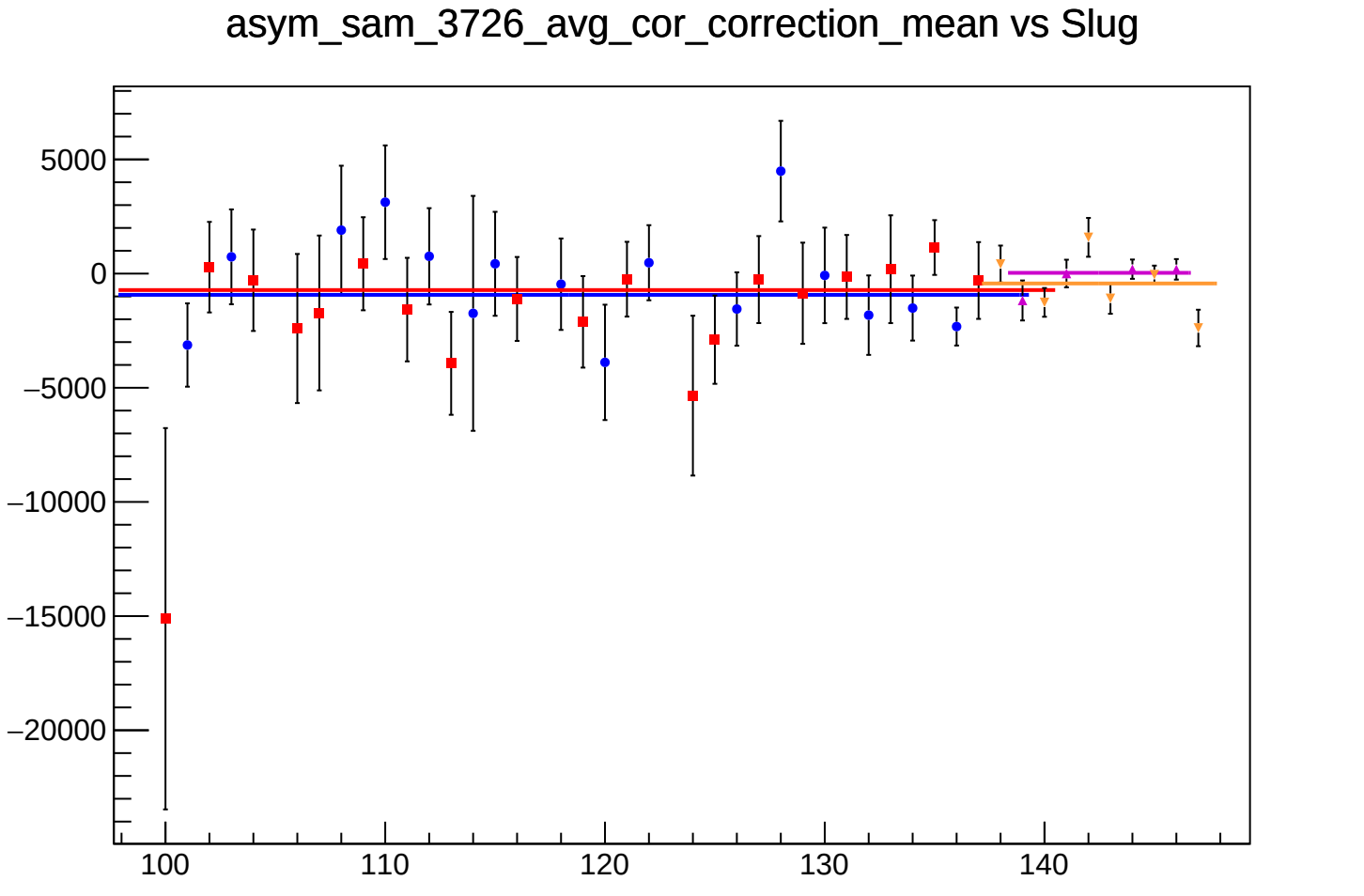
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 75.615+/-0.016 χ^2/NDF: 1611861.0/21

All: 76.132+/-0.012 χ^2/NDF: 3610231.1/44

- sign 76.716+/-0.017 χ^2/NDF: 1996253.5/22



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

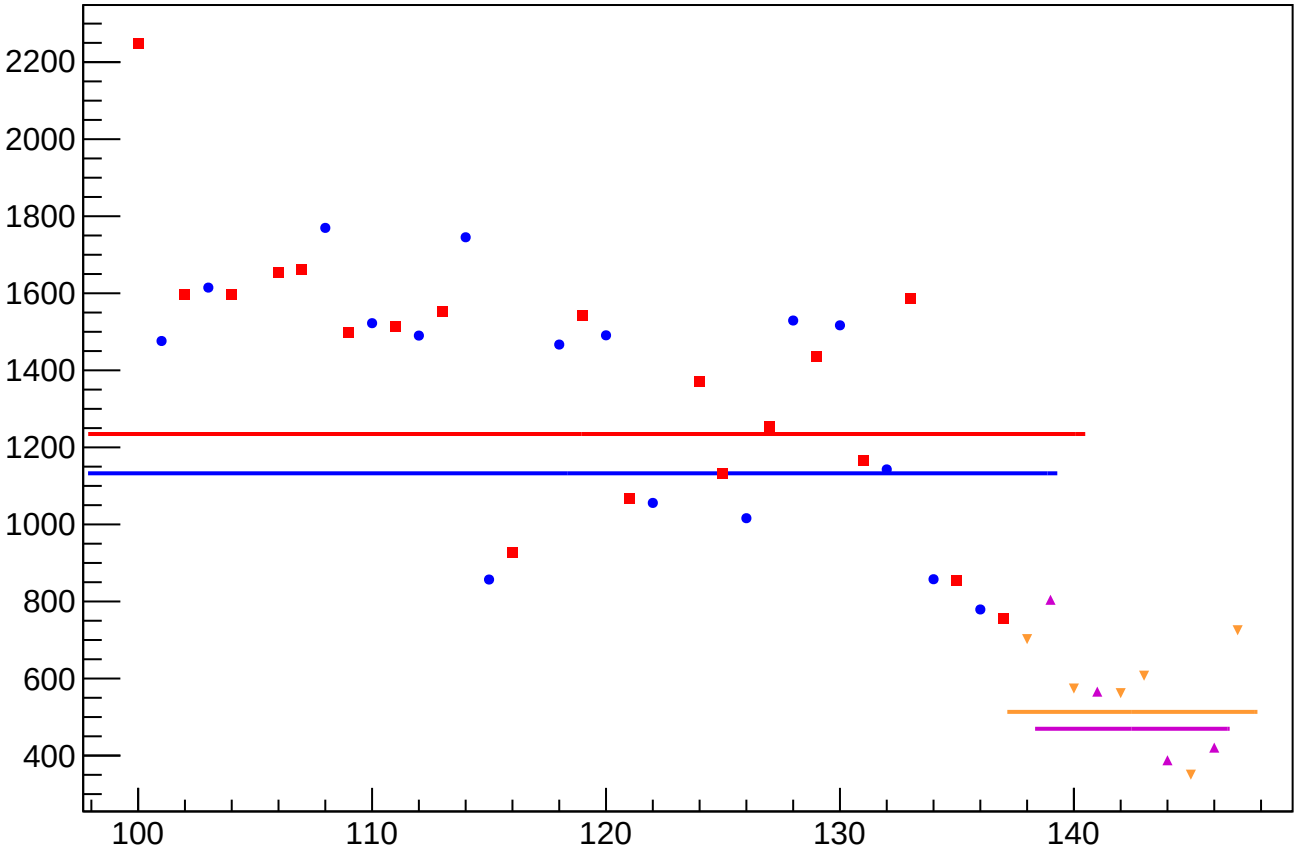
Left In: 33.059+/-261.811 χ^2/NDF:2.2/3

\+ sign -555.299+/-219.537 χ^2/NDF: 35.8/21

All: -359.008+/-158.327 χ^2/NDF: 54.1/44

\- sign -146.268+/-228.550 χ^2/NDF: 16.7/22

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

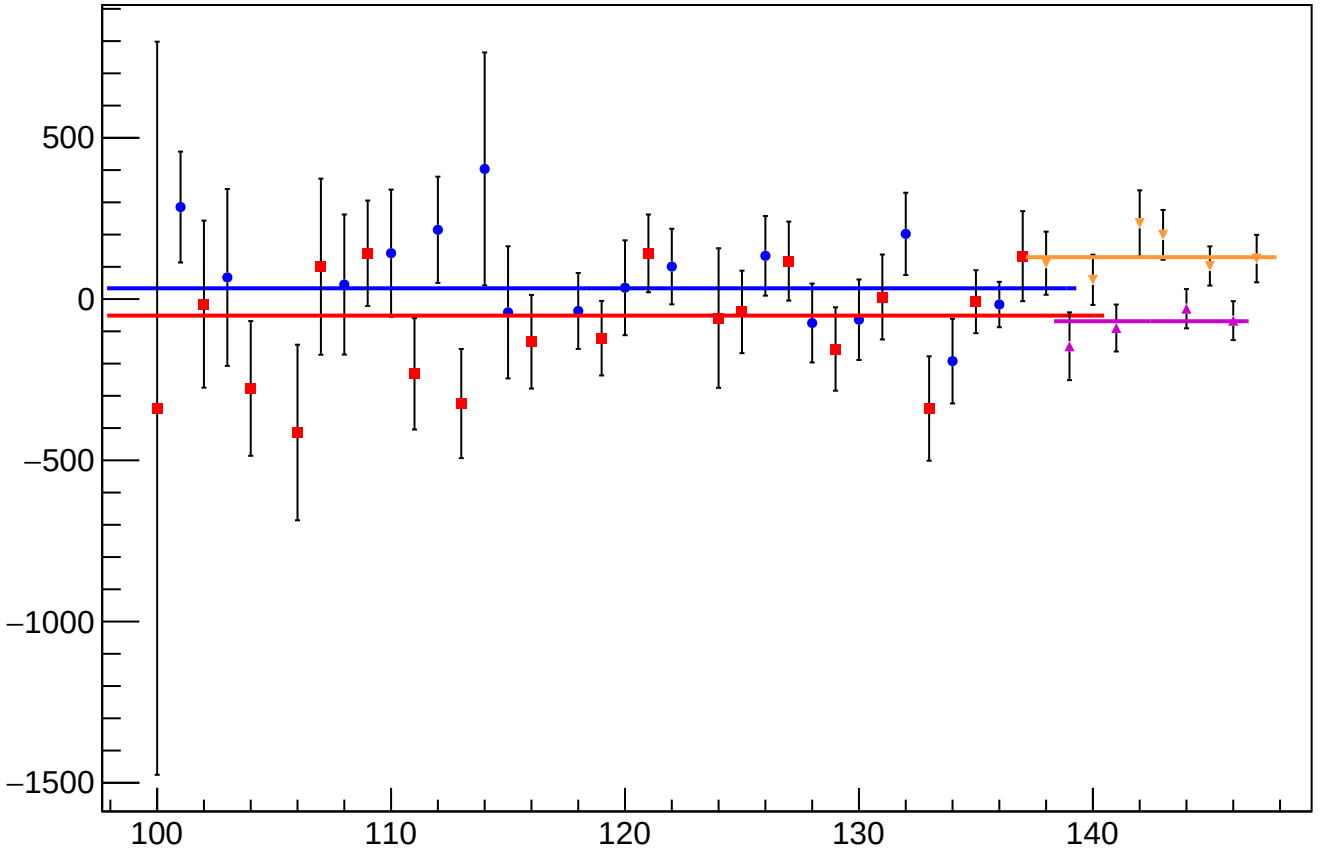
Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

+ sign 666.967+/-0.155 χ^2/NDF: 4745819.8/21

All: 659.609+/-0.112 χ^2/NDF: 10132787.9/44

- sign 651.634+/-0.162 χ^2/NDF: 5382286.3/22

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

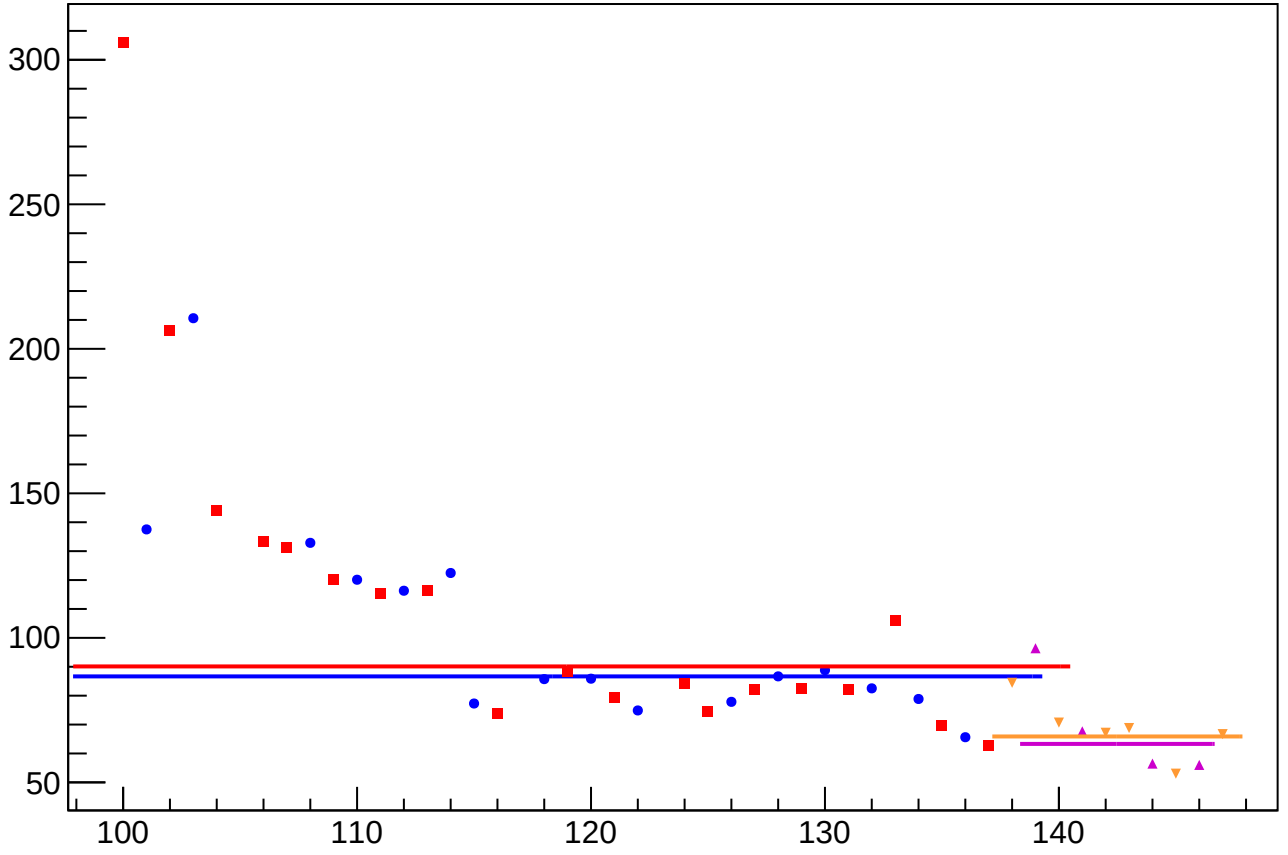
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 84.734+/-23.185 χ^2/NDF: 20.0/21

All: 16.826+/-16.888 χ^2/NDF: 59.0/44

- sign -59.938+/-24.650 χ^2/NDF: 20.7/22

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

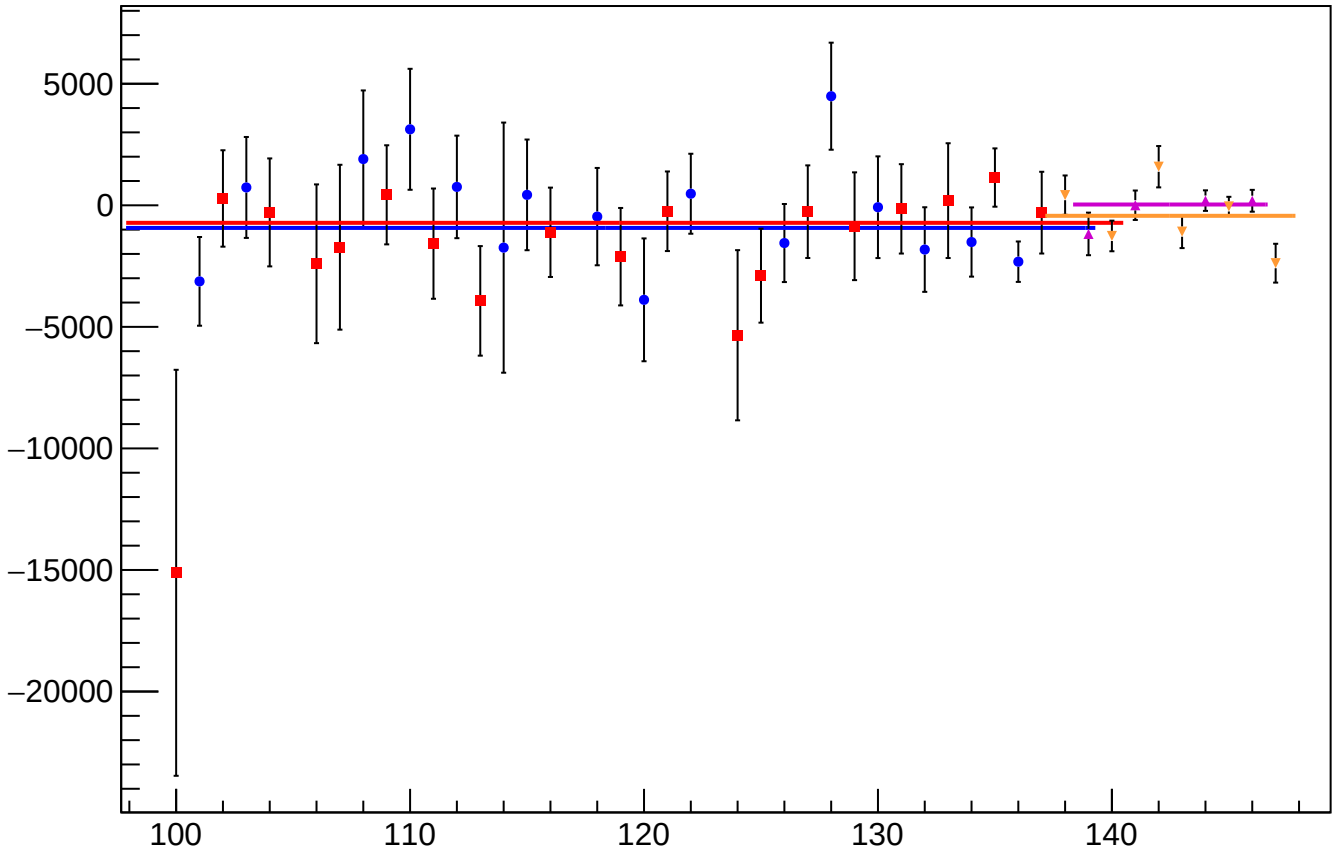
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 75.615+/-0.016 χ^2/NDF: 1611861.0/21

All: 76.132+/-0.012 χ^2/NDF: 3610231.1/44

- sign 76.716+/-0.017 χ^2/NDF: 1996253.5/22



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

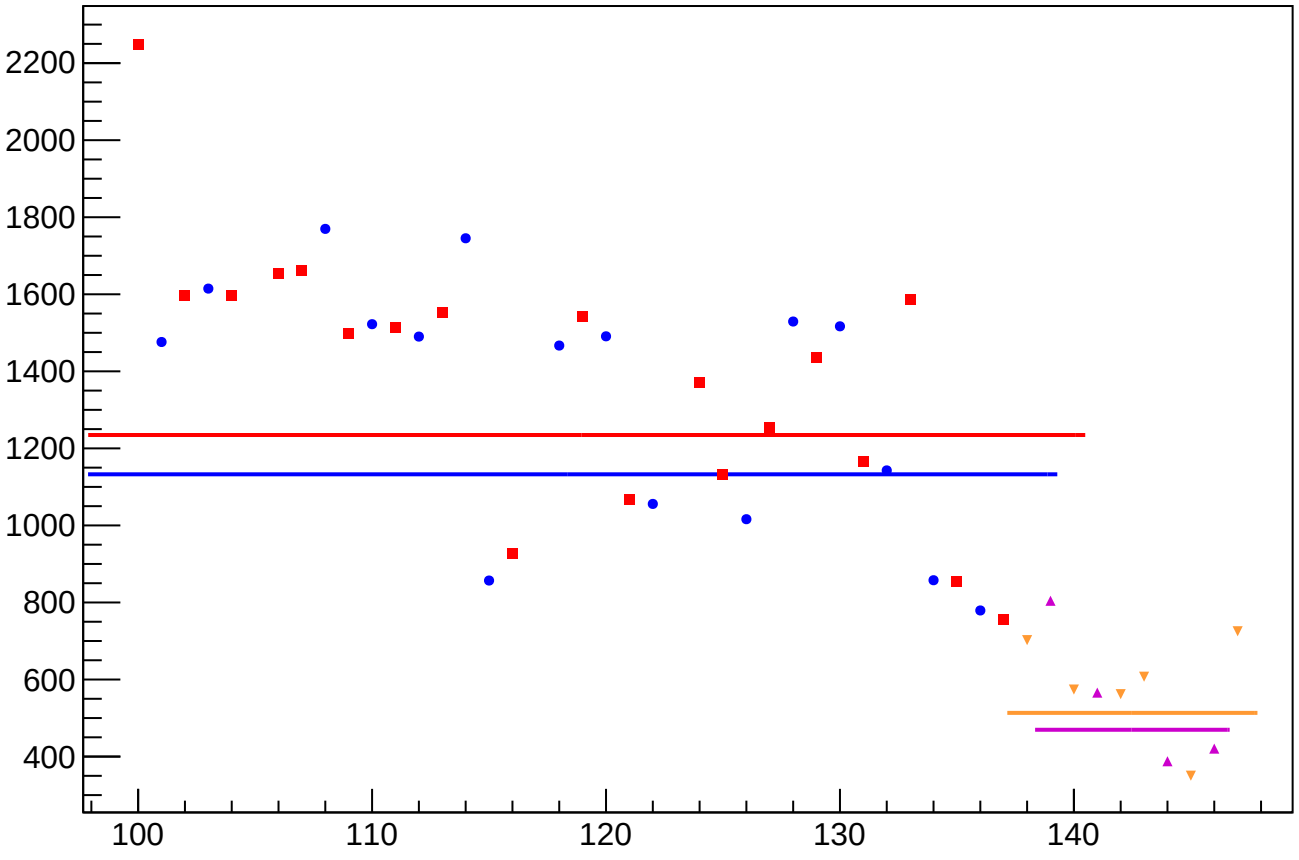
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 33.059+/-261.811 χ^2/NDF:2.2/3

\+ sign -555.299+/-219.537 χ^2/NDF: 35.8/21

All: -359.008+/-158.327 χ^2/NDF: 54.1/44

\- sign -146.268+/-228.550 χ^2/NDF: 16.7/22



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

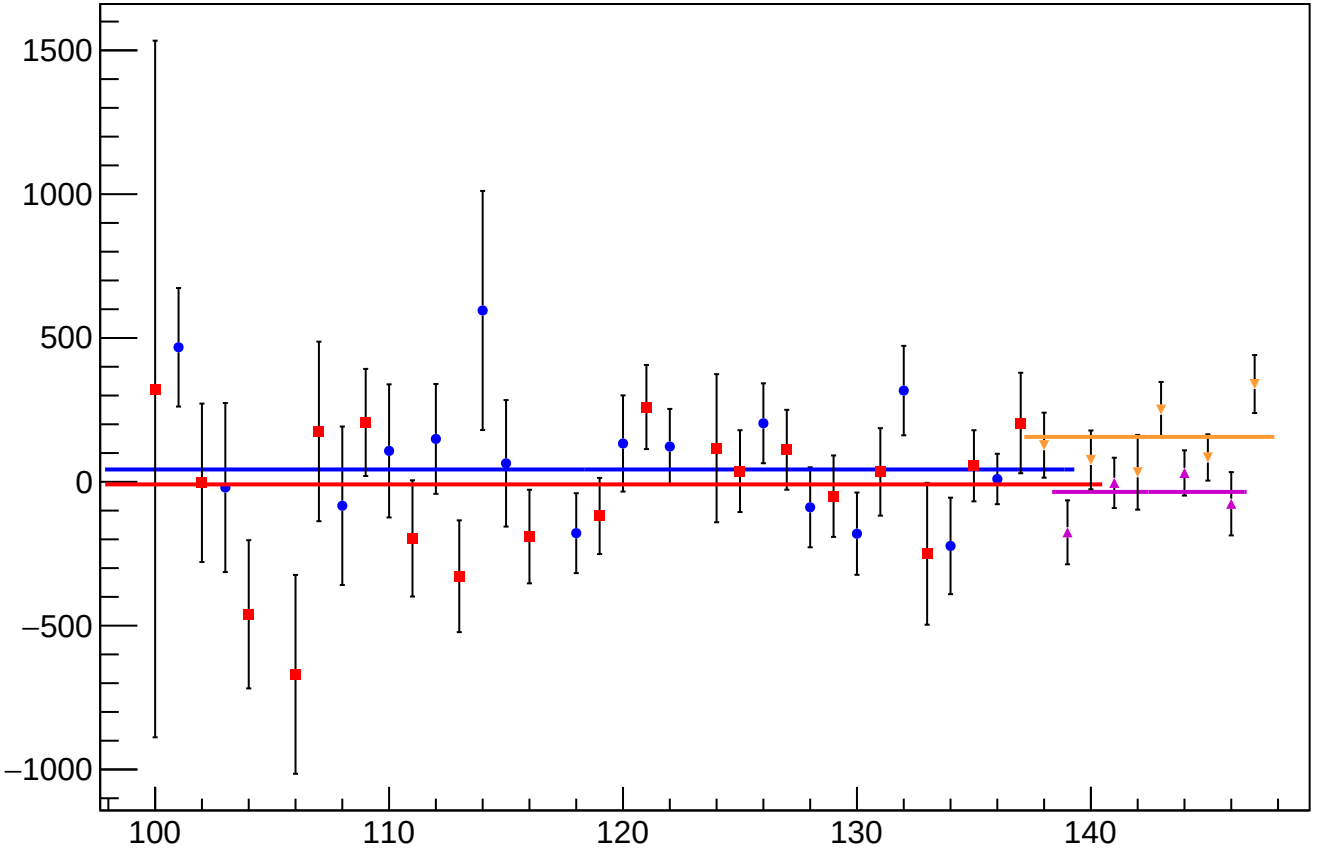
Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

+ sign 666.967+/-0.155 χ^2/NDF: 4745819.8/21

All: 659.609+/-0.112 χ^2/NDF: 10132787.9/44

- sign 651.634+/-0.162 χ^2/NDF: 5382286.3/22

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.280+/-41.024 χ^2/NDF:6.7/5

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

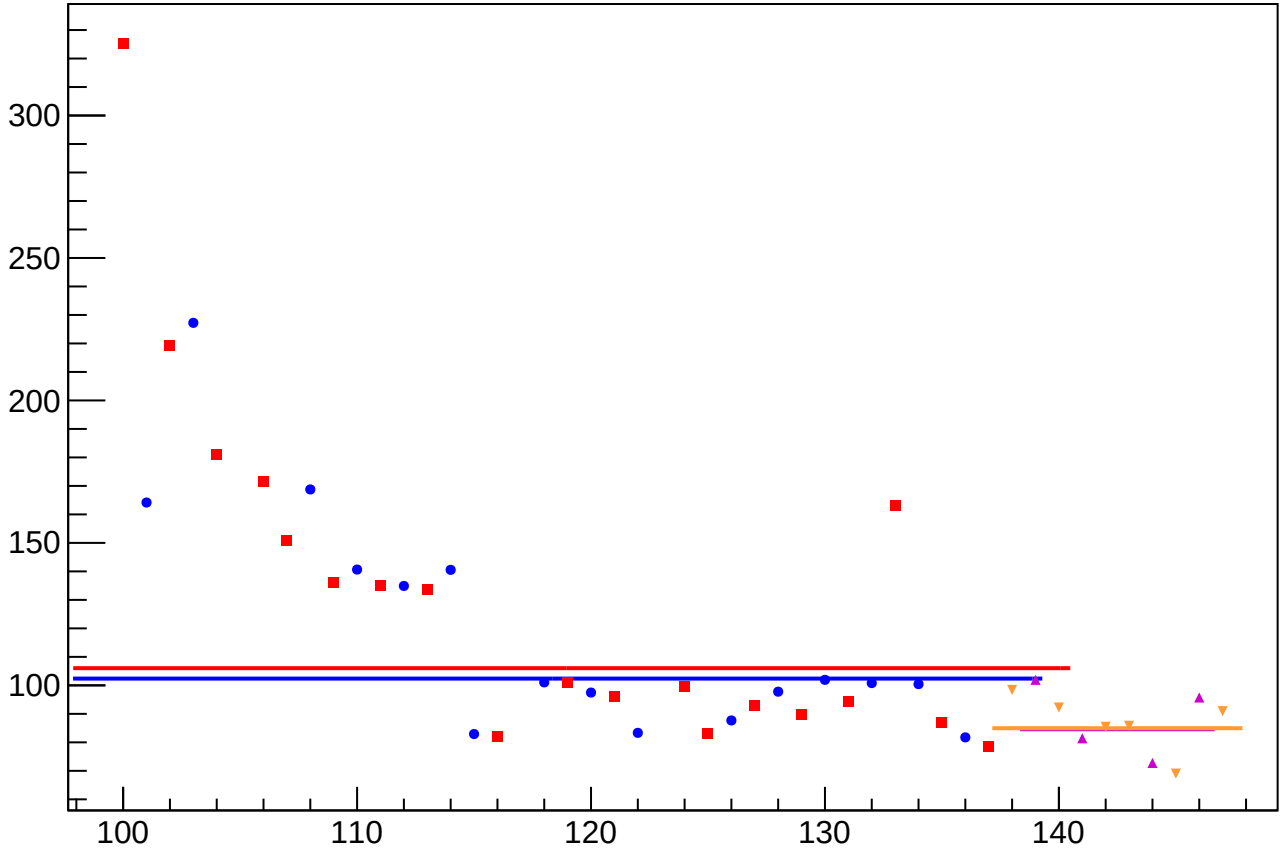
Left In: -35.057+/-46.822 χ^2/NDF:2.6/3

+ sign 98.091+/-28.620 χ^2/NDF: 30.9/21

All: 43.359+/-20.988 χ^2/NDF: 62.9/44

- sign -20.321+/-30.871 χ^2/NDF: 24.1/22

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.953+/-0.029 χ^2/NDF:124084.4/5

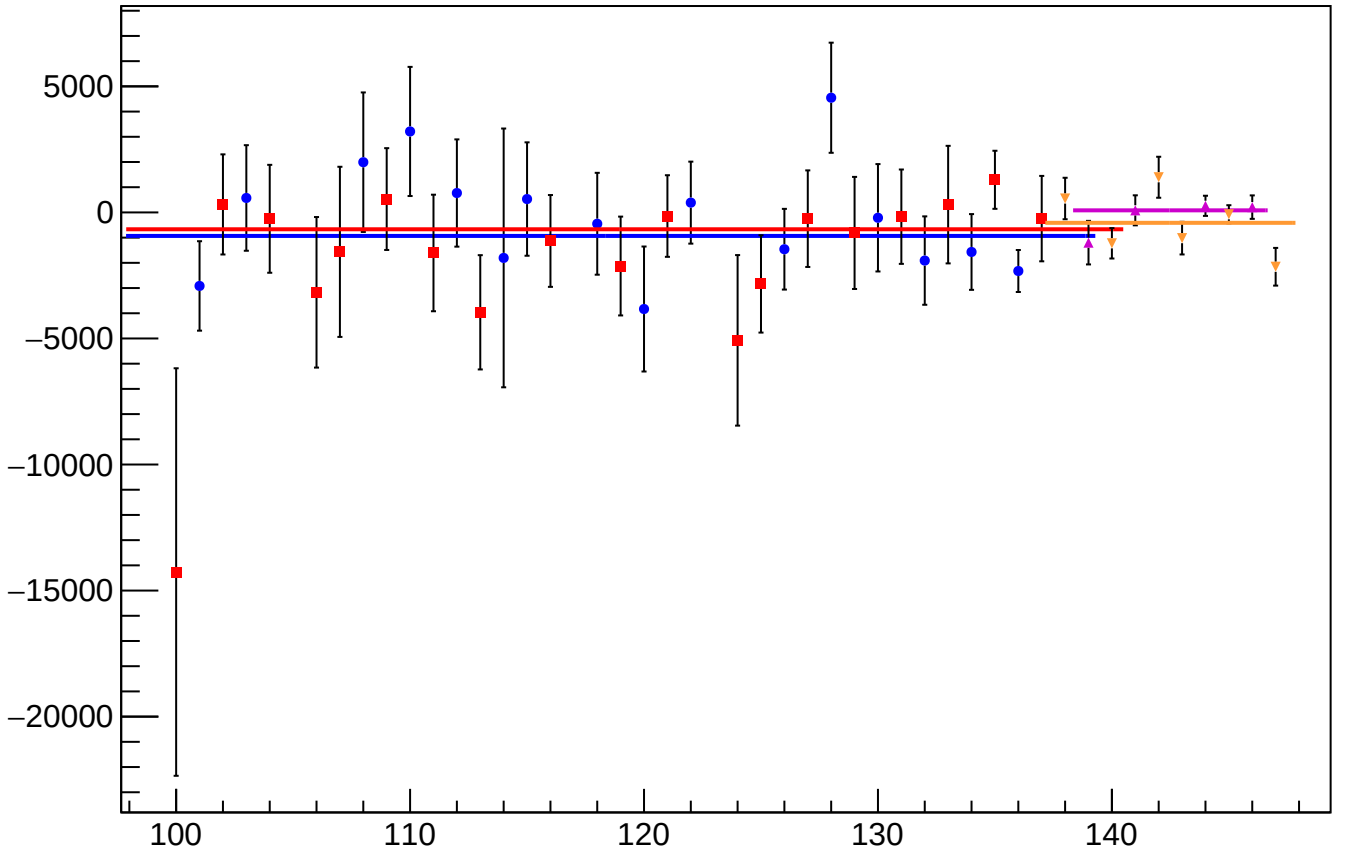
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.595+/-0.033 χ^2/NDF:117138.8/3

\+ sign 93.897+/-0.020 χ^2/NDF: 1291609.3/21

All: 95.199+/-0.015 χ^2/NDF: 2845994.6/44

\- sign 96.713+/-0.022 χ^2/NDF: 1545436.0/22



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -412.893+/-237.918 χ^2/NDF:15.3/5

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

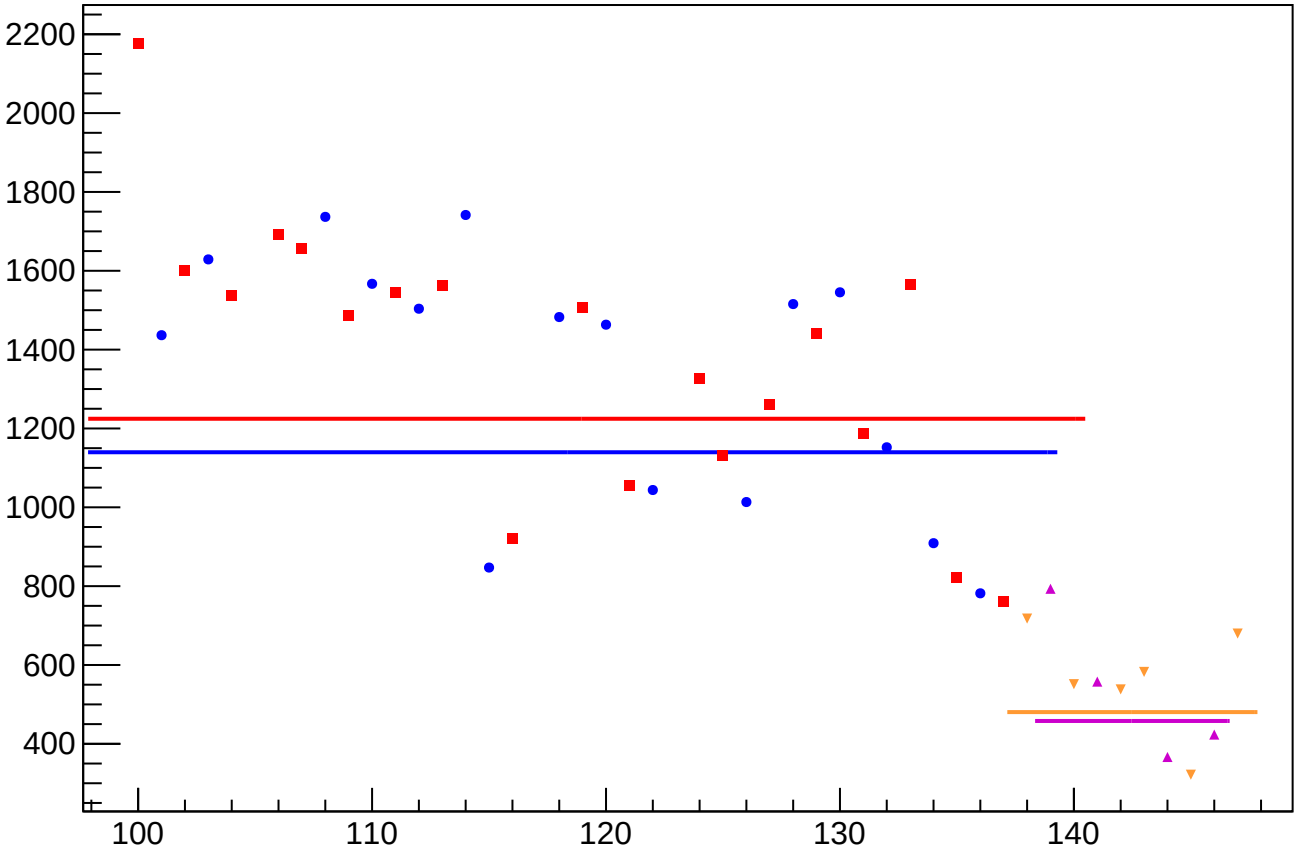
Left In: 82.261+/-257.930 χ^2/NDF:2.5/3

+ sign -529.301+/-209.573 χ^2/NDF: 34.9/21

All: -328.083+/-153.465 χ^2/NDF: 54.8/44

- sign -95.431+/-225.350 χ^2/NDF: 17.9/22

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 480.512+/-0.168 χ^2/NDF:786587.4/5

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

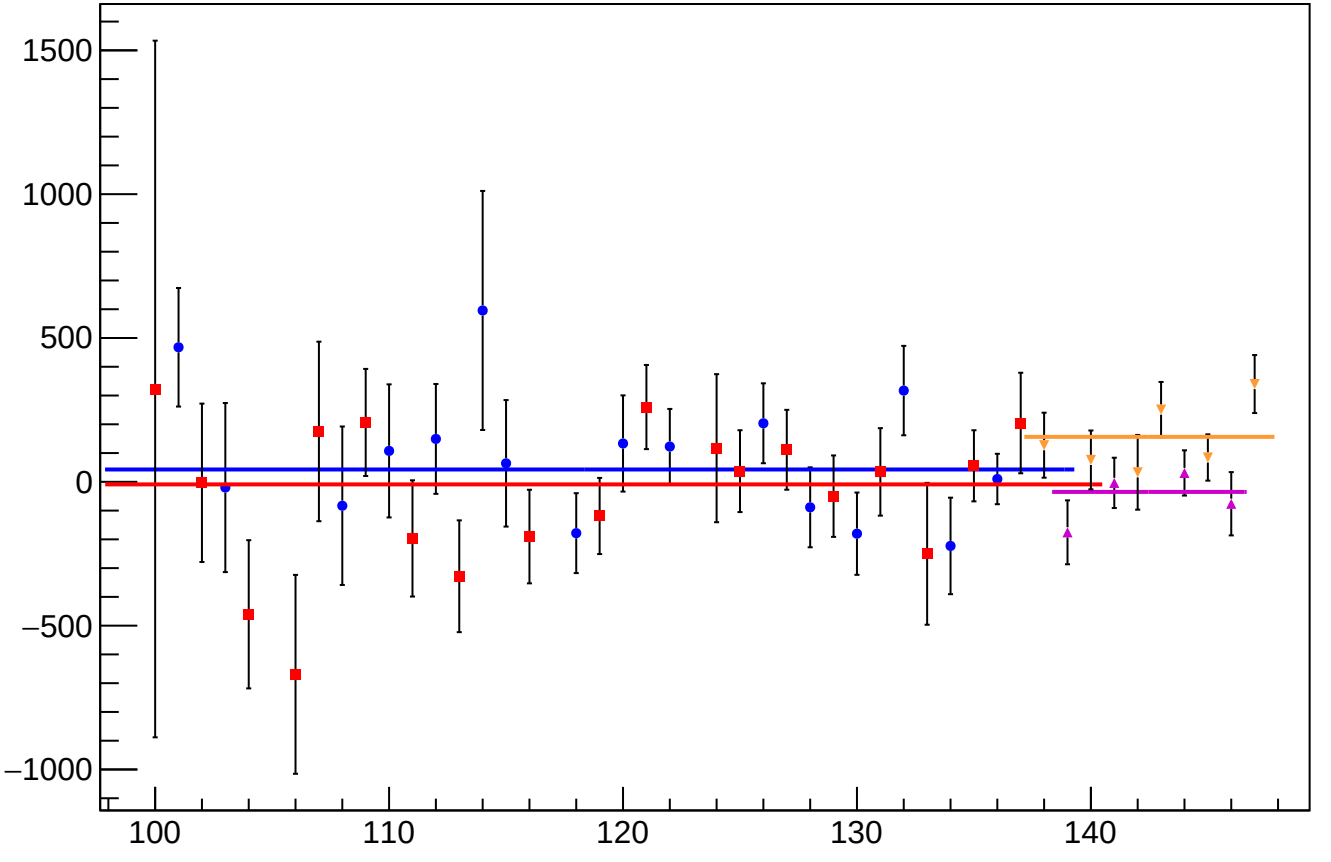
Left In: 457.976+/-0.182 χ^2/NDF:472868.7/3

+ sign 628.214+/-0.148 χ^2/NDF: 5319862.5/21

All: 633.414+/-0.109 χ^2/NDF: 10899785.4/44

- sign 639.426+/-0.159 χ^2/NDF: 5577268.5/22

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.279+/-41.024 χ^2/NDF:6.7/5

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

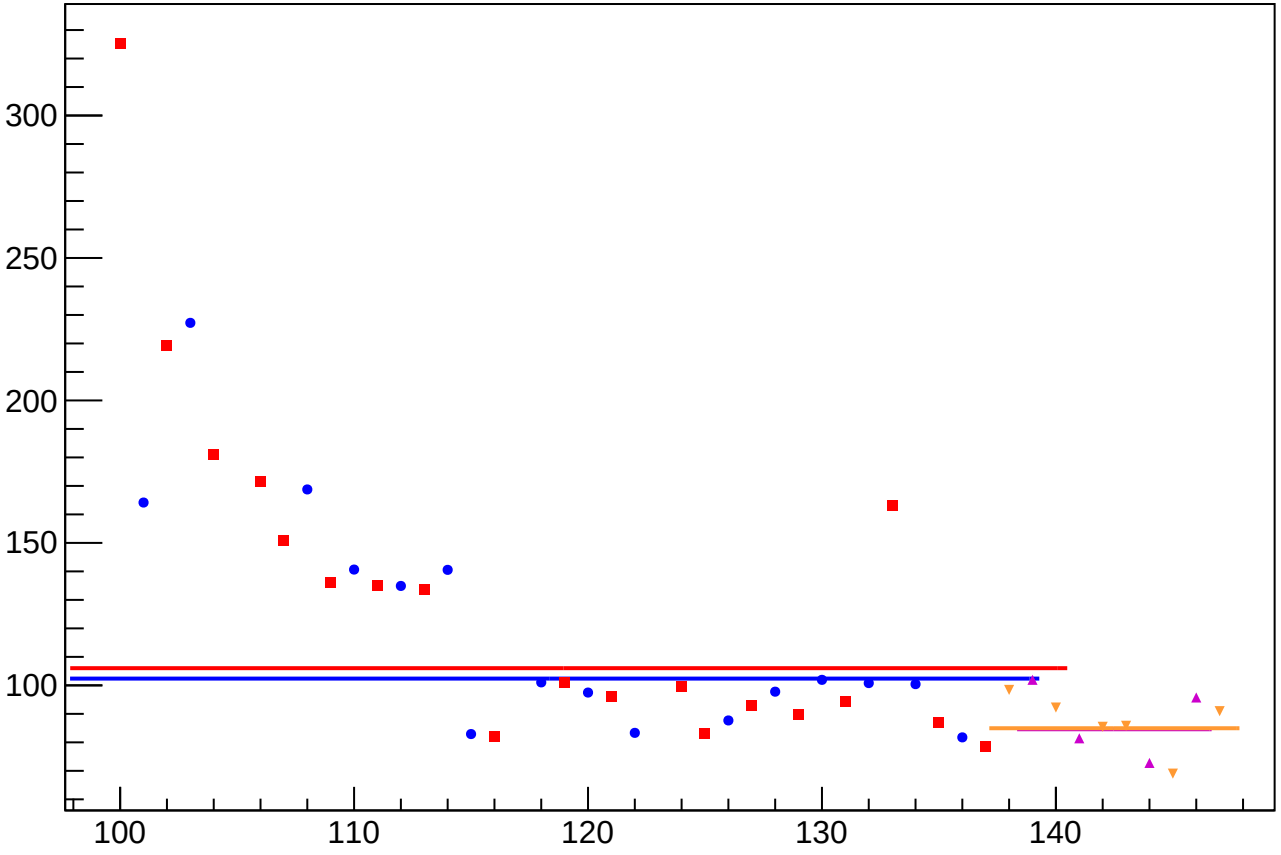
Left In: -35.058+/-46.822 χ^2/NDF:2.6/3

+ sign 98.090+/-28.620 χ^2/NDF: 30.9/21

All: 43.359+/-20.988 χ^2/NDF: 62.9/44

- sign -20.319+/-30.871 χ^2/NDF: 24.1/22

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.954+/-0.029 χ^2/NDF:124074.6/5

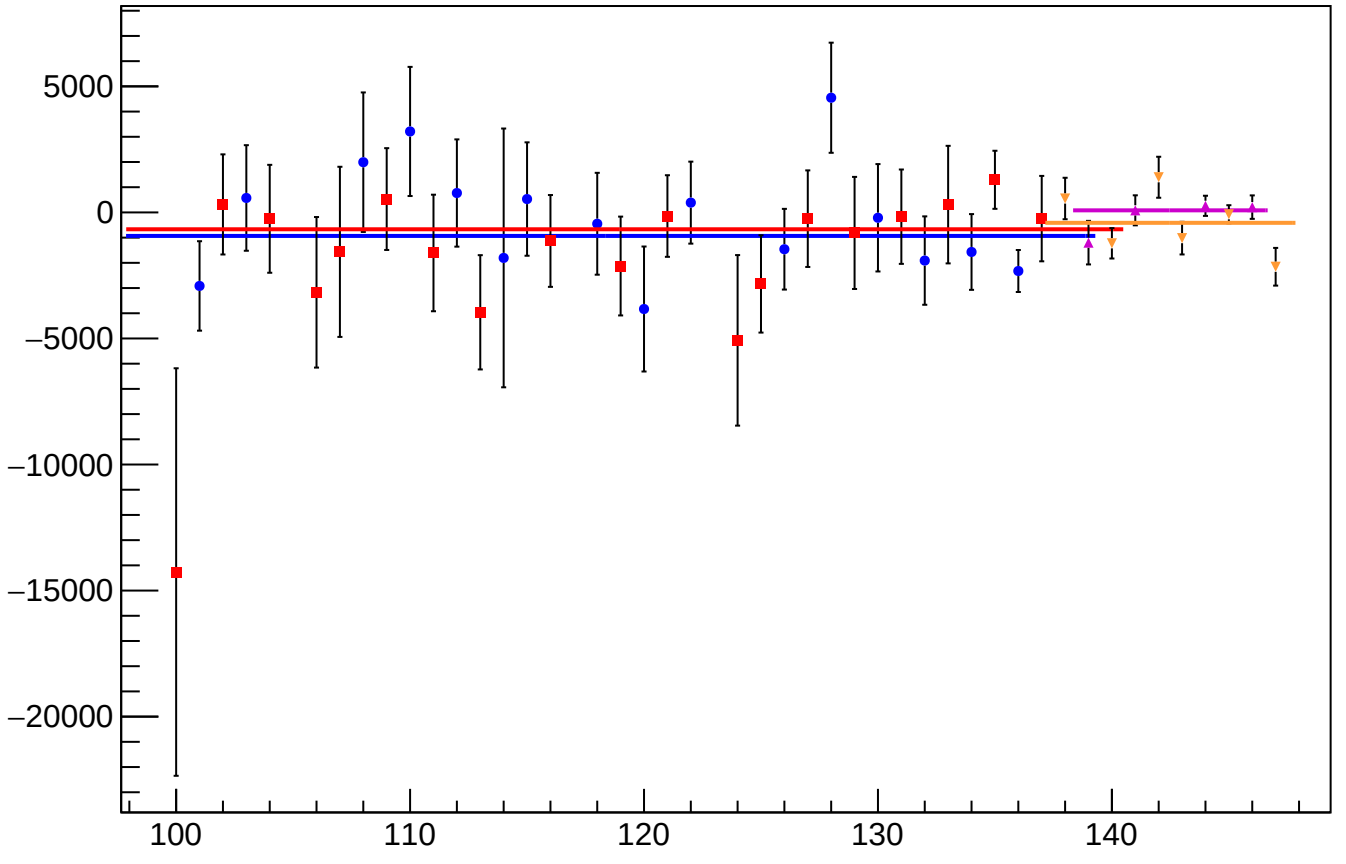
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.595+/-0.033 χ^2/NDF:117136.2/3

+ sign 93.897+/-0.020 χ^2/NDF: 1291579.3/21

All: 95.199+/-0.015 χ^2/NDF: 2845952.6/44

- sign 96.713+/-0.022 χ^2/NDF: 1545424.1/22



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -412.894+/-237.918 χ^2/NDF:15.3/5

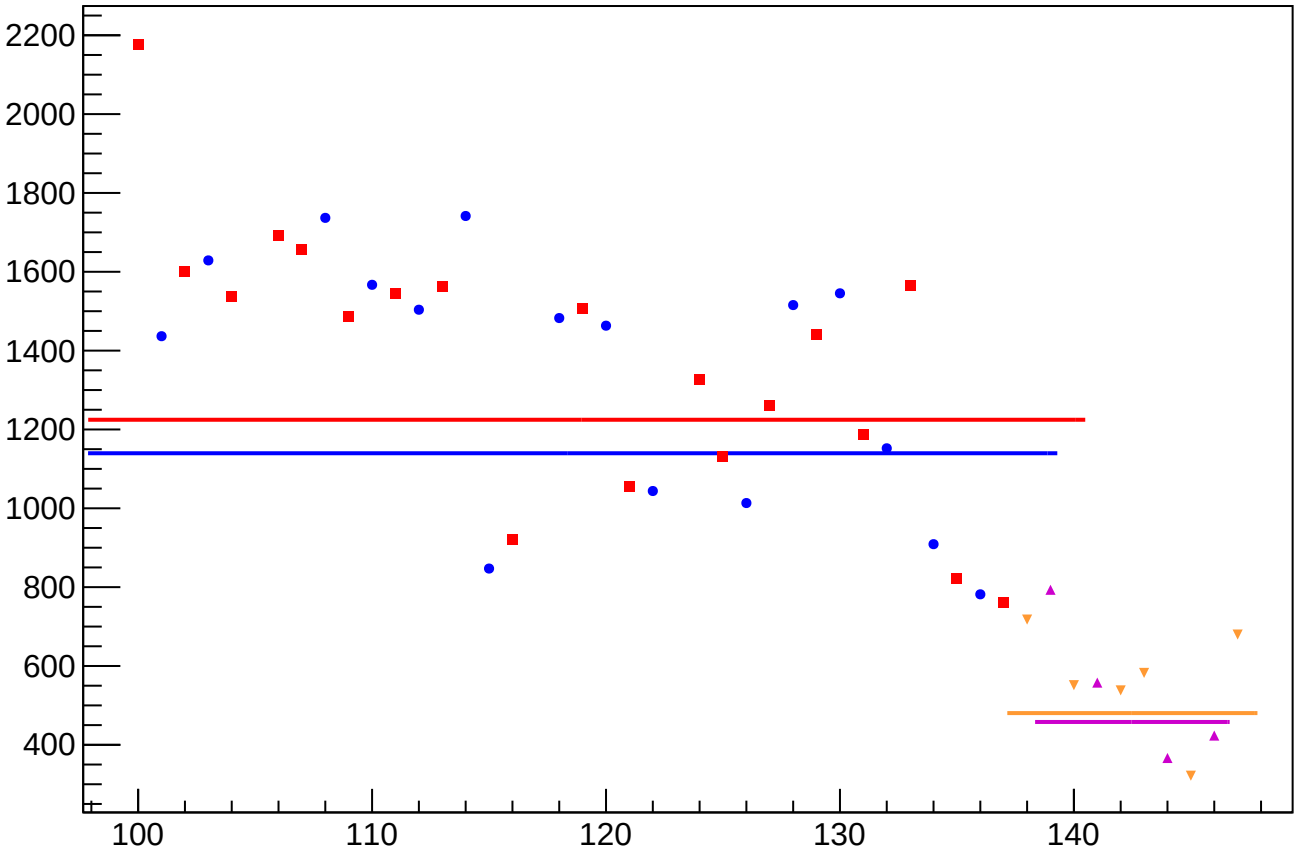
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 82.261+/-257.930 χ^2/NDF:2.5/3

\+ sign -529.300+/-209.573 χ^2/NDF: 34.9/21

All: -328.083+/-153.465 χ^2/NDF: 54.8/44

\- sign -95.431+/-225.349 χ^2/NDF: 17.9/22



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 480.511+/-0.168 χ^2/NDF:786597.2/5

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

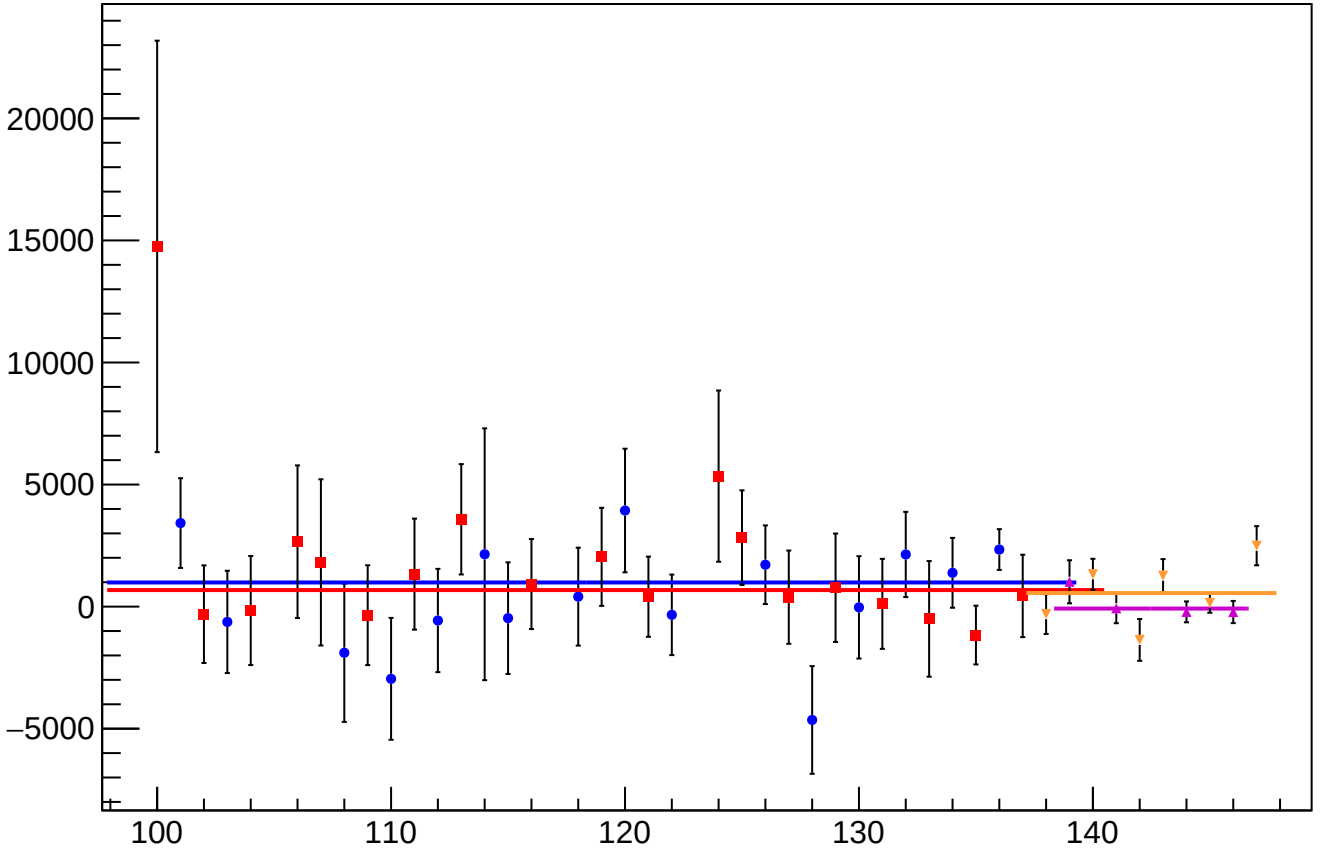
Left In: 457.975+/-0.182 χ^2/NDF:472869.9/3

+ sign 628.213+/-0.148 χ^2/NDF: 5319875.2/21

All: 633.412+/-0.109 χ^2/NDF: 10899793.7/44

- sign 639.425+/-0.159 χ^2/NDF: 5577263.8/22

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 556.129+/-255.499 χ^2/NDF:15.6/5

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

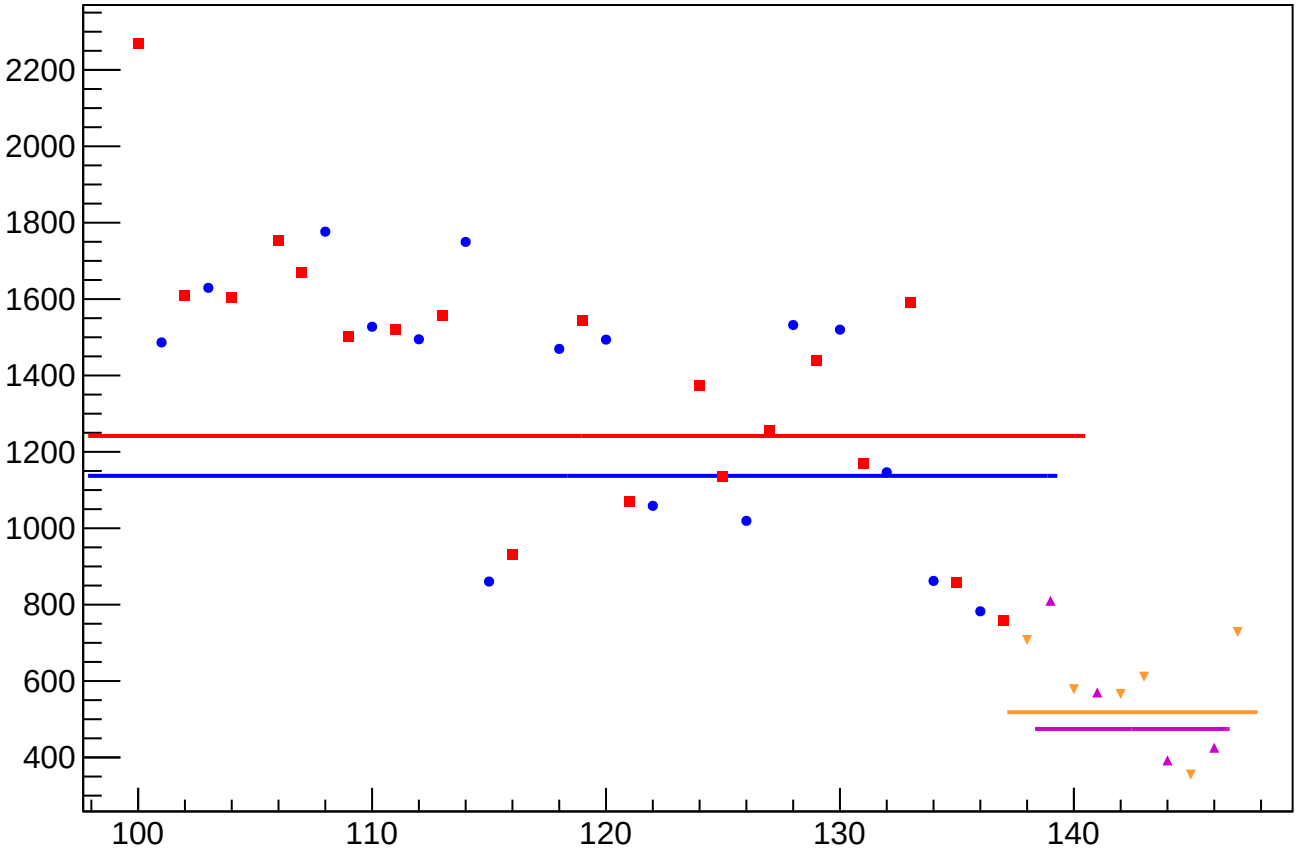
Left In: -79.425+/-264.471 χ^2/NDF:1.7/3

+ sign 664.392+/-221.281 χ^2/NDF: 35.3/21

All: 395.005+/-159.611 χ^2/NDF: 54.1/44

- sign 102.843+/-230.445 χ^2/NDF: 15.6/22

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 518.578+/-0.181 χ^2/NDF:640582.0/5

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

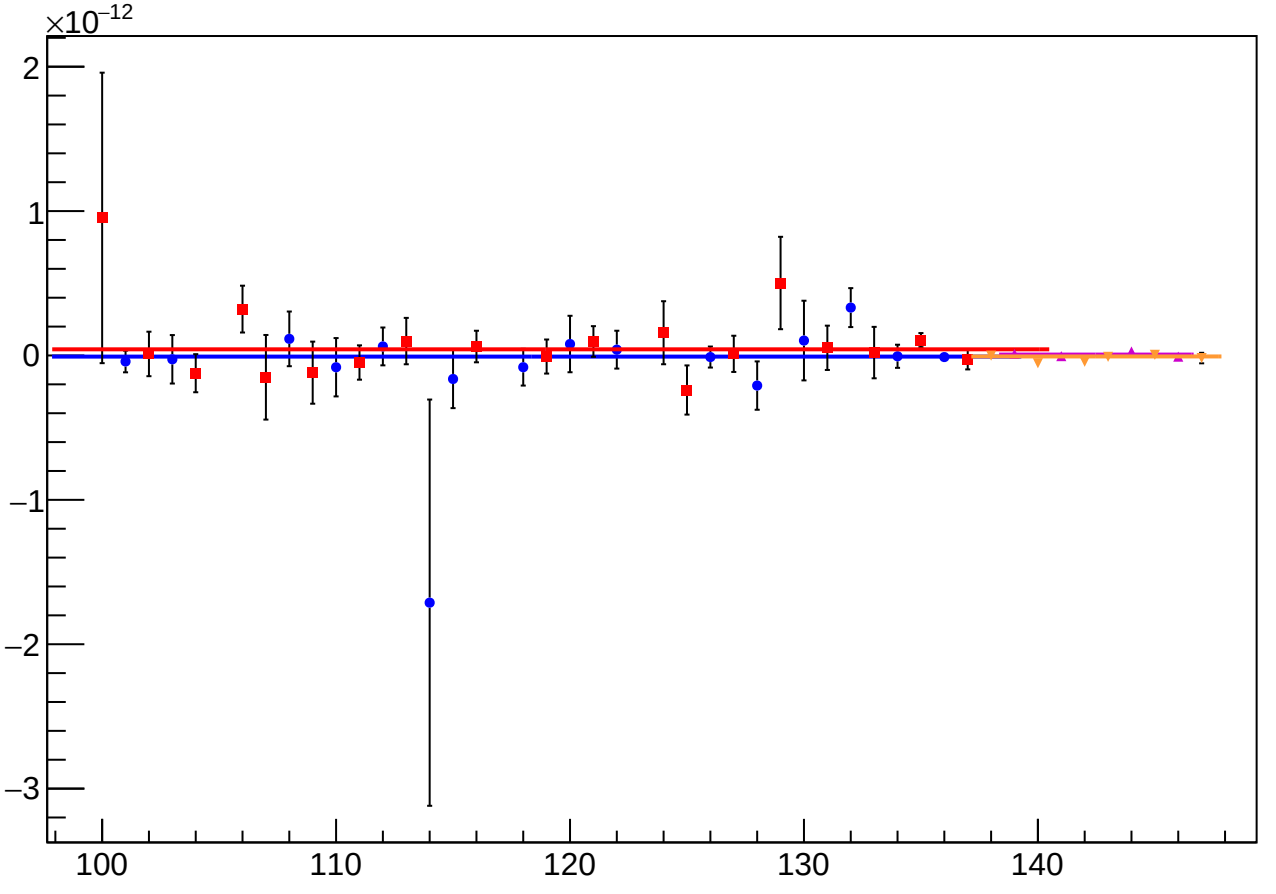
Left In: 474.578+/-0.187 χ^2/NDF:436194.7/3

+ sign 673.188+/-0.156 χ^2/NDF: 4694668.8/21

All: 666.512+/-0.113 χ^2/NDF: 10085391.2/44

- sign 659.273+/-0.163 χ^2/NDF: 5386928.2/22

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:10.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

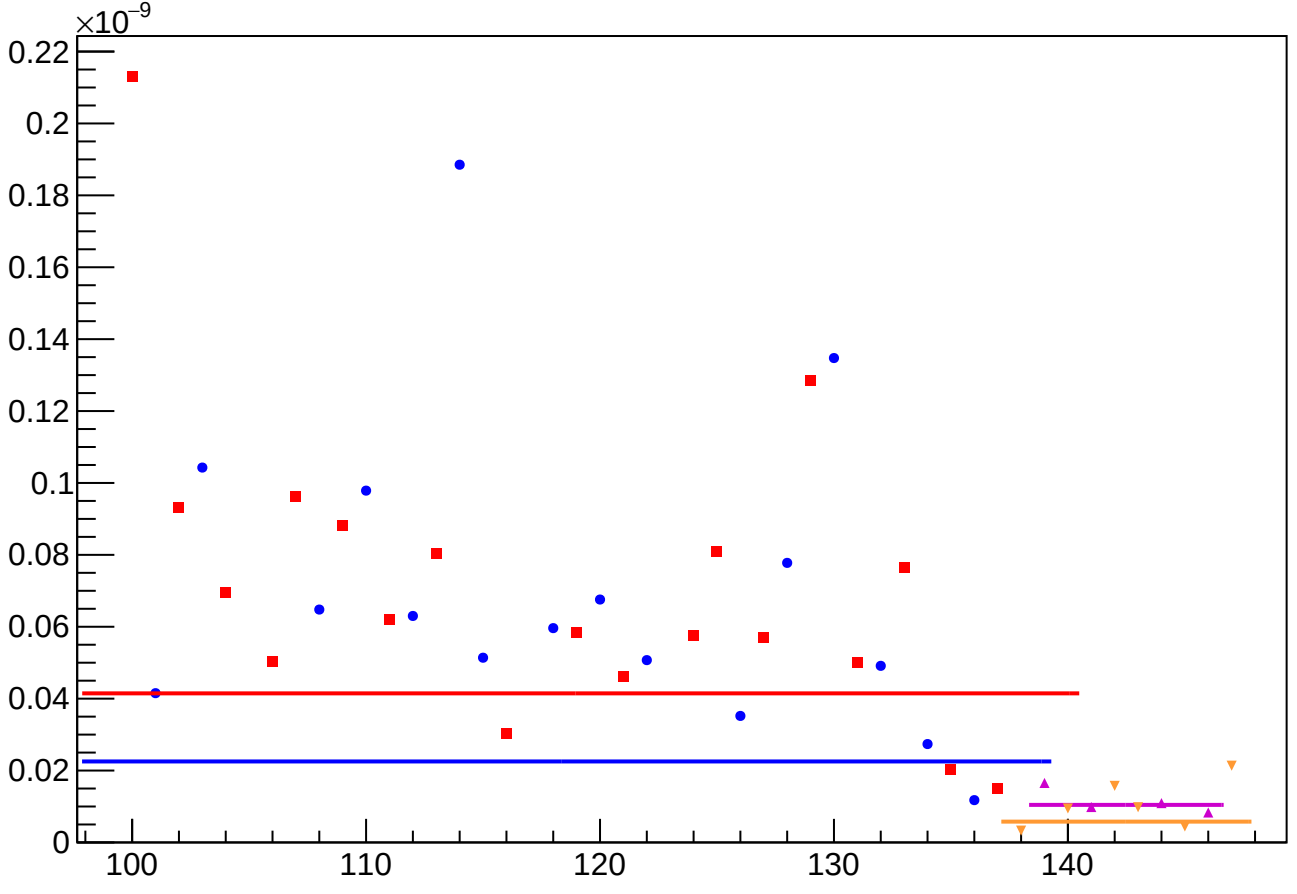
Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.8/21

All: -0.000+/-0.000 χ^2/NDF: 44.5/44

- sign 0.000+/-0.000 χ^2/NDF: 20.0/22

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:874491.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

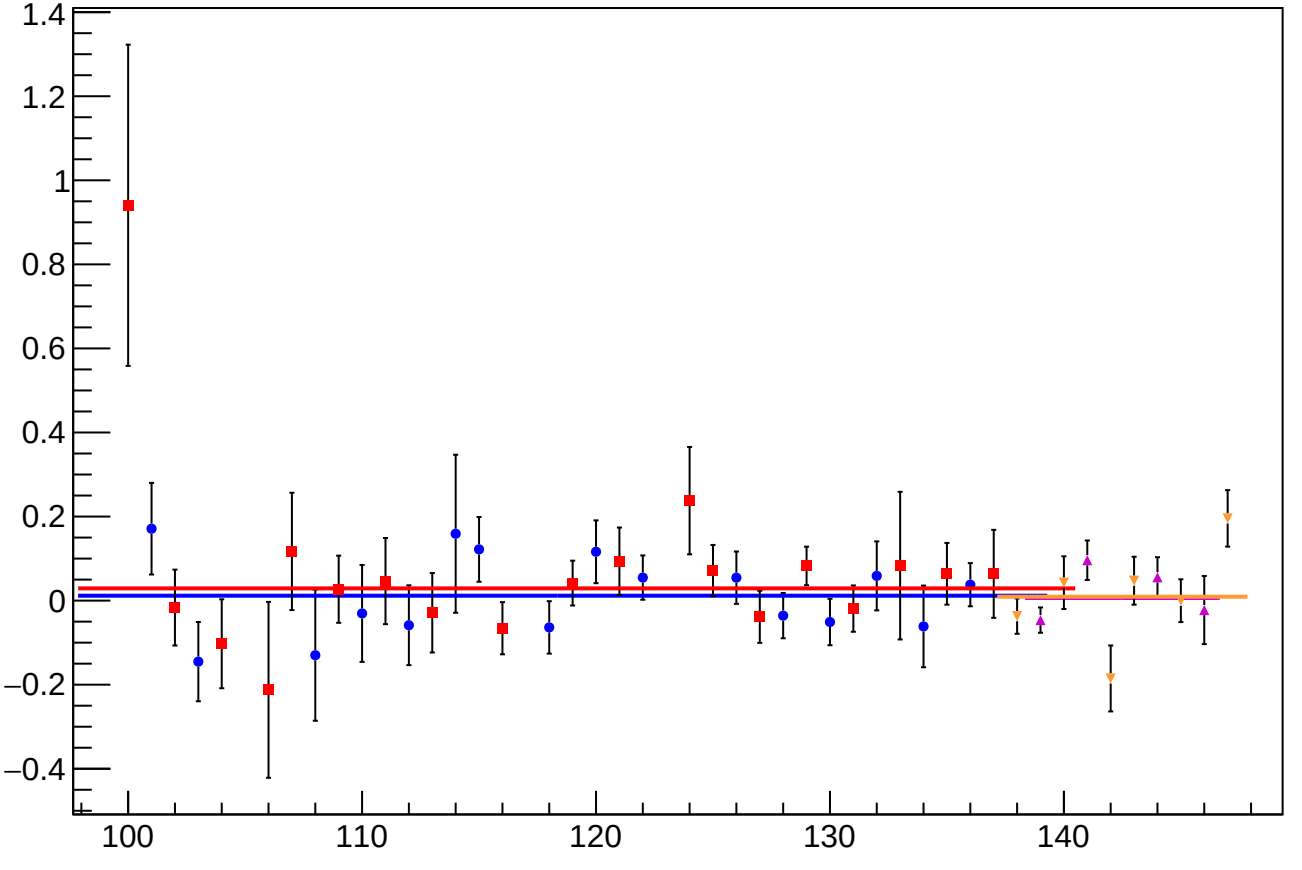
Left In: 0.000+/-0.000 χ^2/NDF:144790.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 5400790.4/21

All: 0.000+/-0.000 χ^2/NDF: 10466539.1/44

- sign 0.000+/-0.000 χ^2/NDF: 4344374.7/22

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: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

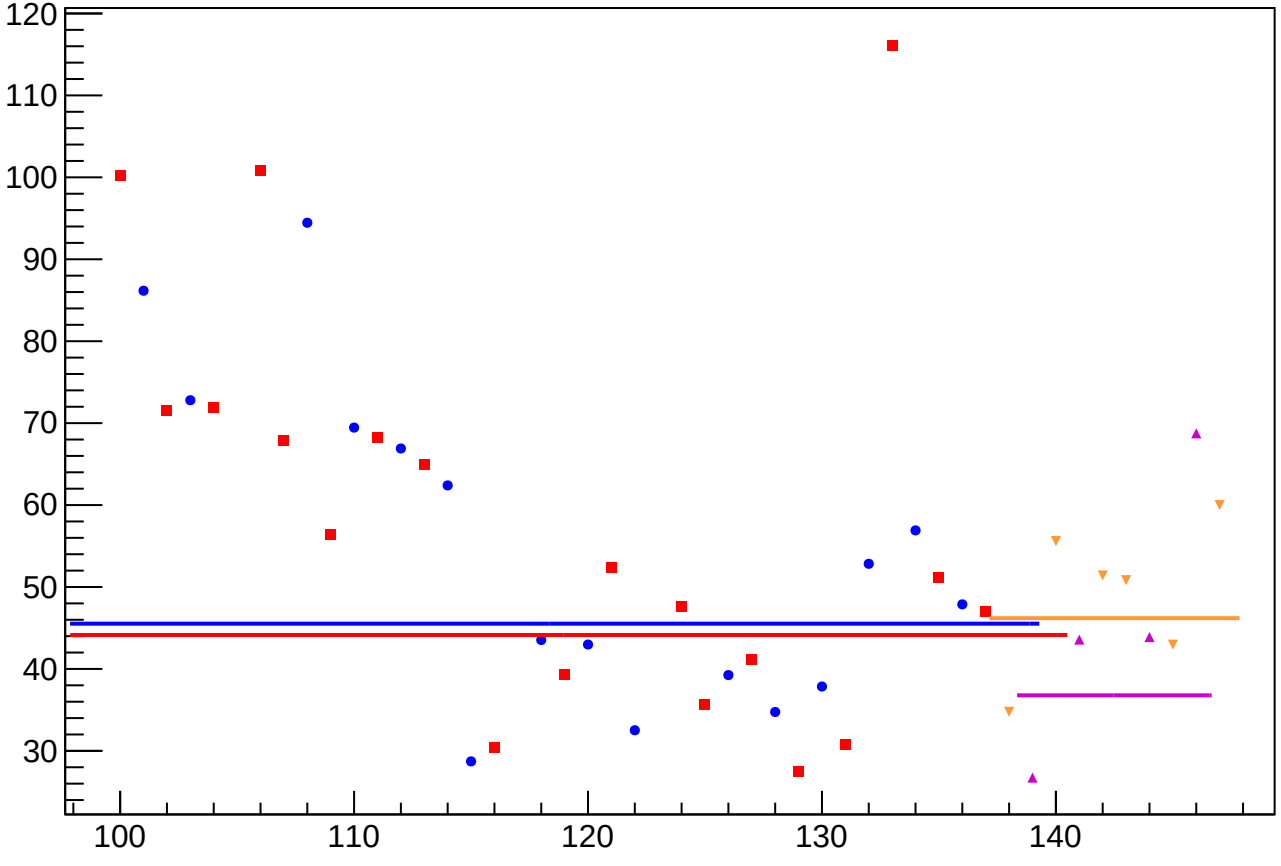
Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.015+/-0.010 χ^2/NDF: 61.0/44

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22

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: 46.193+/-0.016 χ^2/NDF:307306.4/5

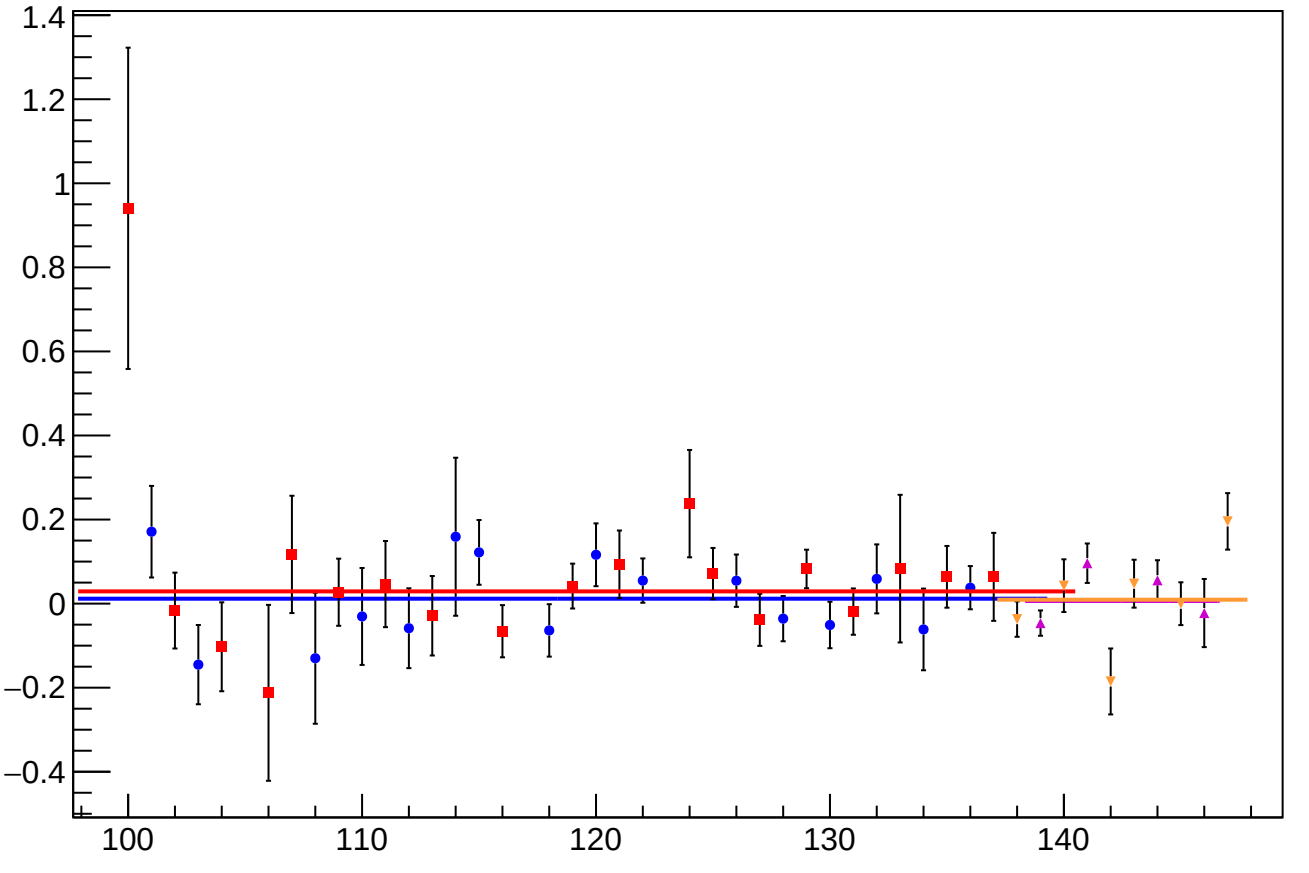
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

+ sign 45.785+/-0.010 χ^2/NDF: 1562309.3/21

All: 43.373+/-0.007 χ^2/NDF: 4173056.3/44

- sign 41.142+/-0.010 χ^2/NDF: 2501514.2/22



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

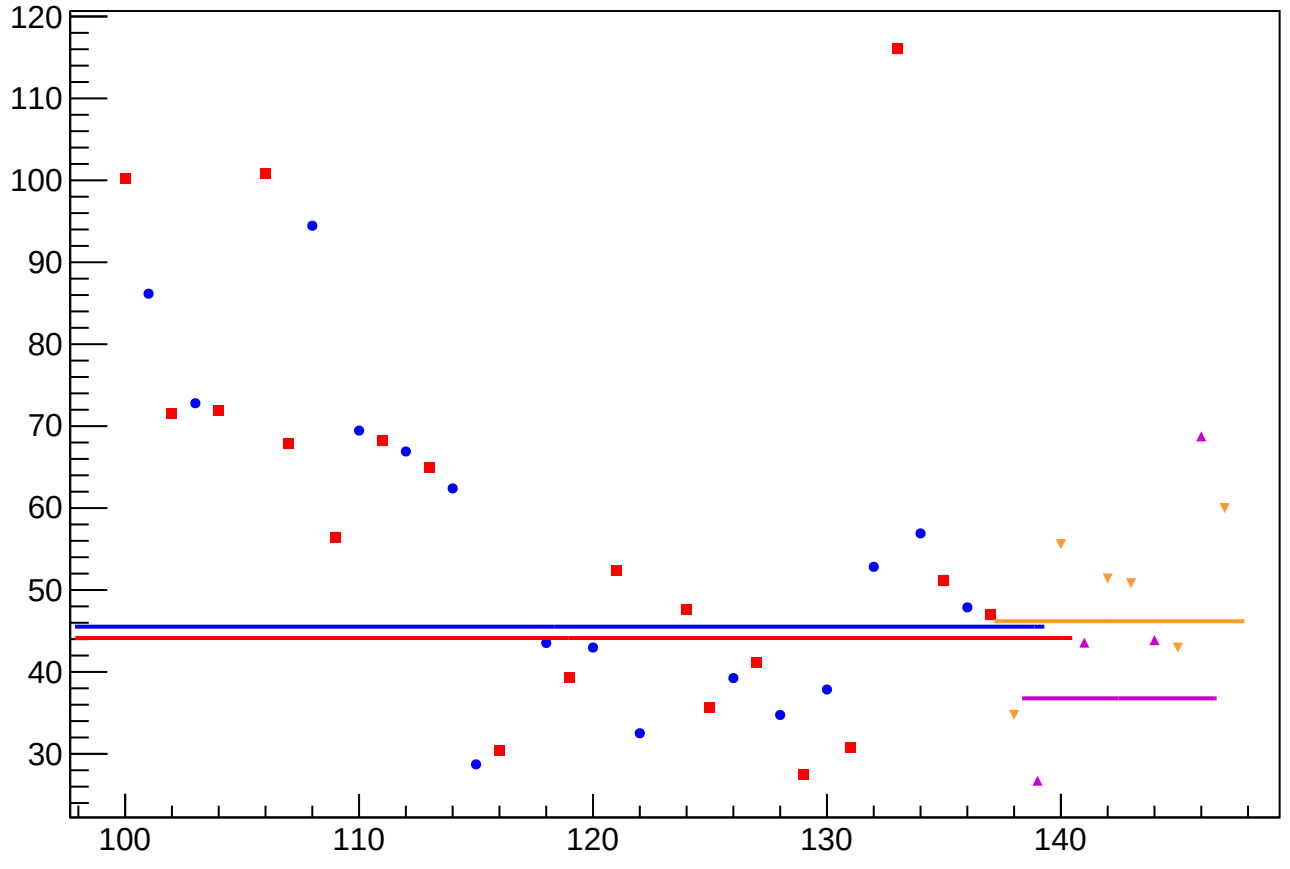
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.015+/-0.010 χ^2/NDF: 61.0/44

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

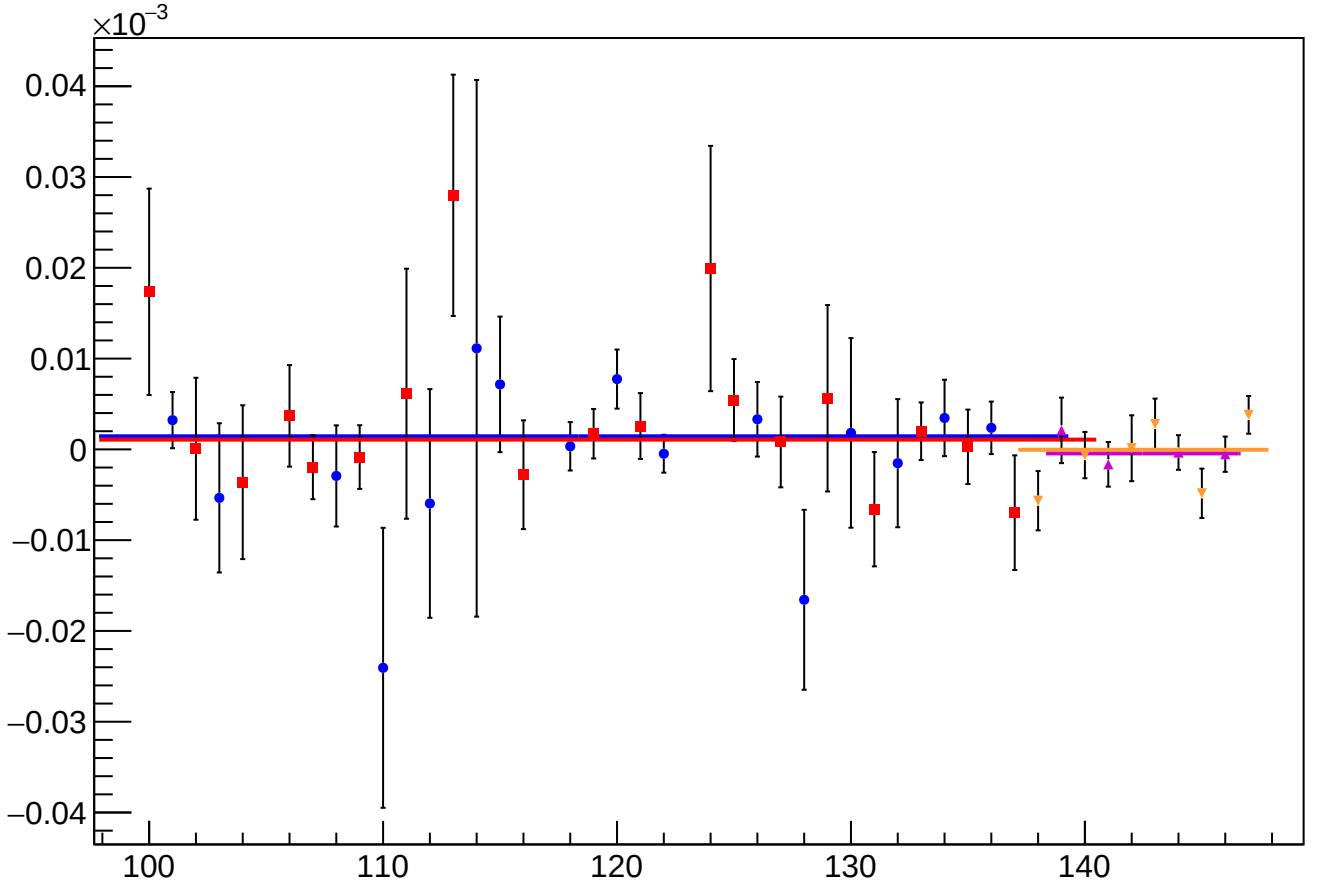
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

+ sign 45.785+/-0.010 χ^2/NDF: 1562309.3/21

All: 43.373+/-0.007 χ^2/NDF: 4173056.3/44

- sign 41.142+/-0.010 χ^2/NDF: 2501514.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

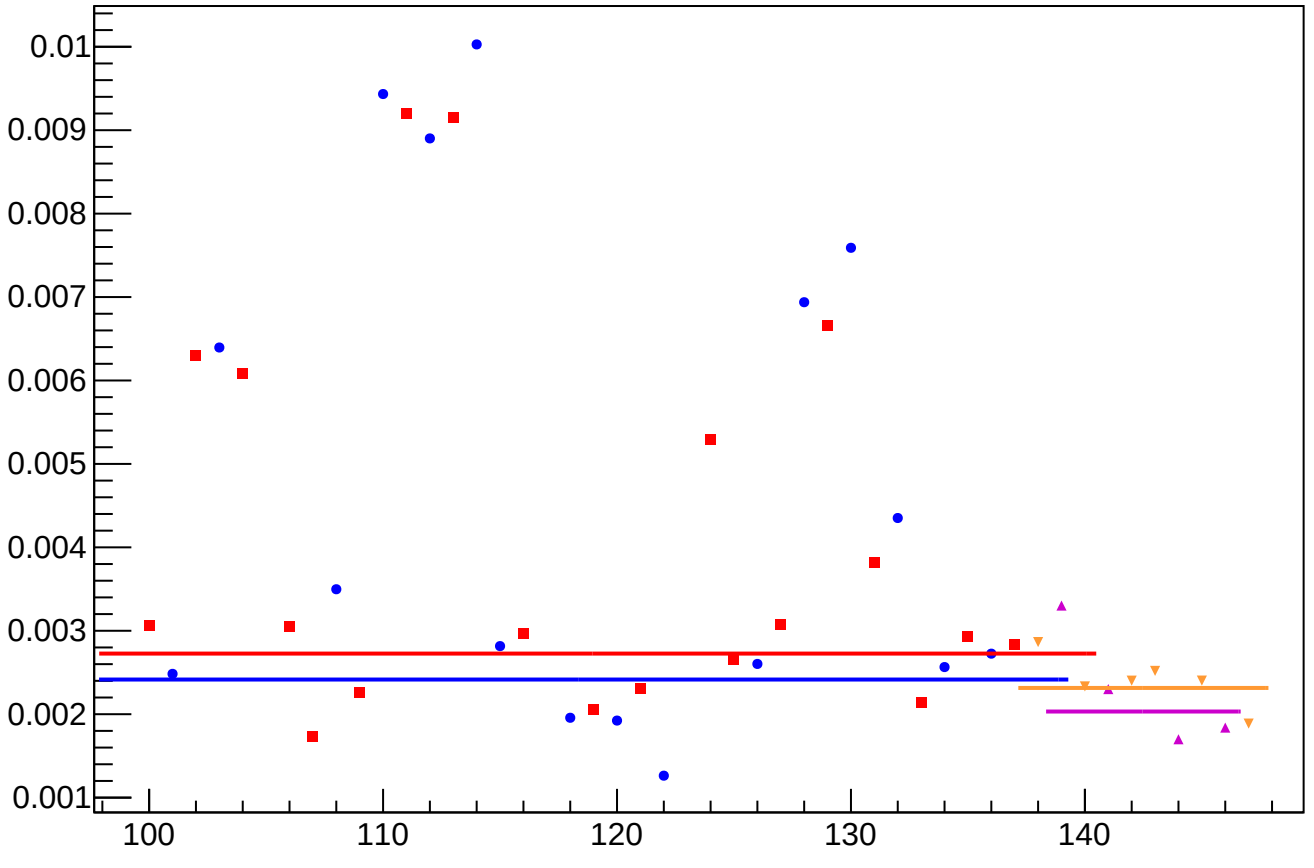
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/21

All: 0.000+/-0.000 χ^2/NDF: 42.3/44

- sign 0.000+/-0.000 χ^2/NDF: 16.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:155490.4/5

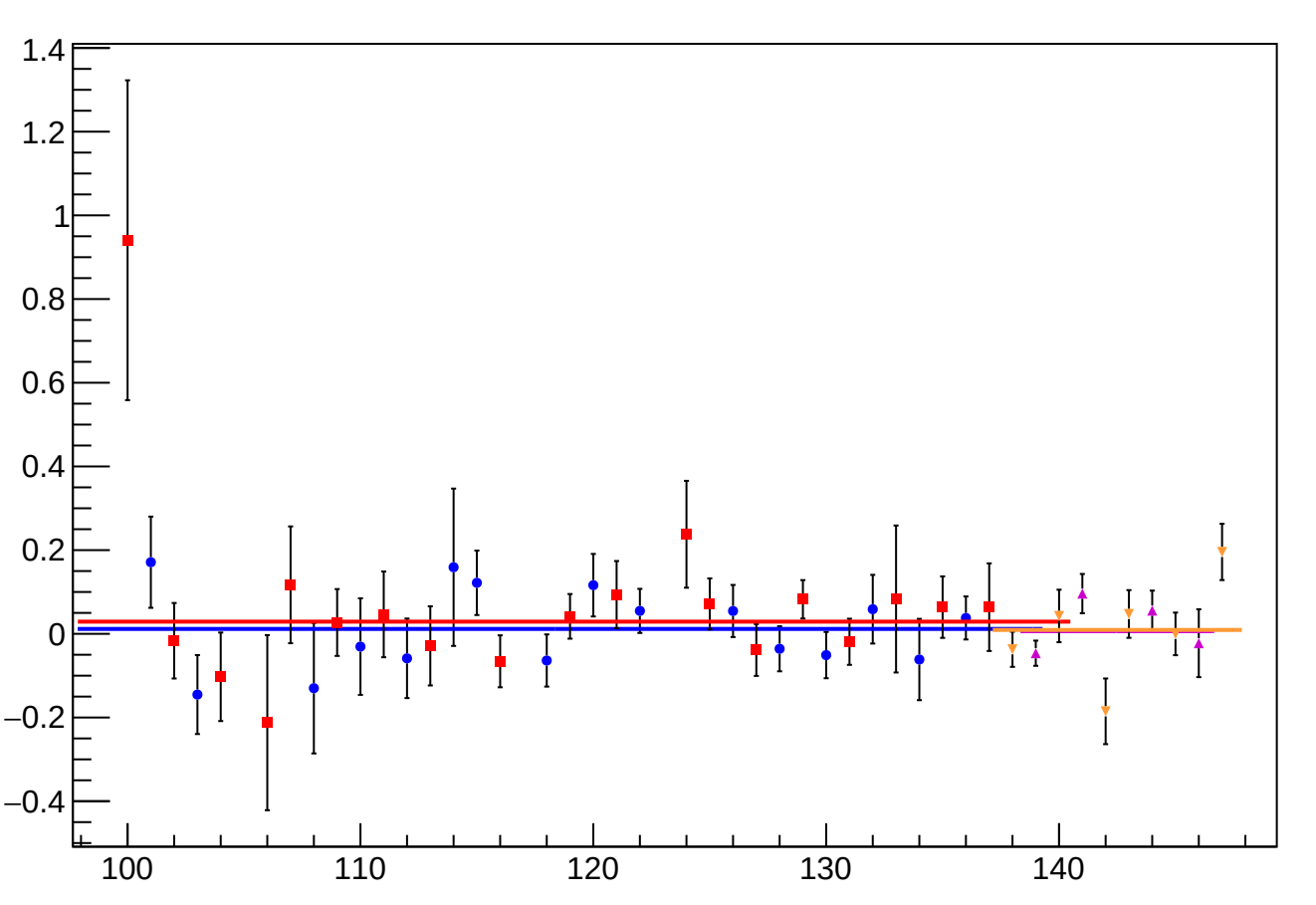
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:351949.7/3

+ sign 0.002+/-0.000 χ^2/NDF: 3596404.9/21

All: 0.002+/-0.000 χ^2/NDF: 6833861.9/44

- sign 0.002+/-0.000 χ^2/NDF: 3237132.7/22



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

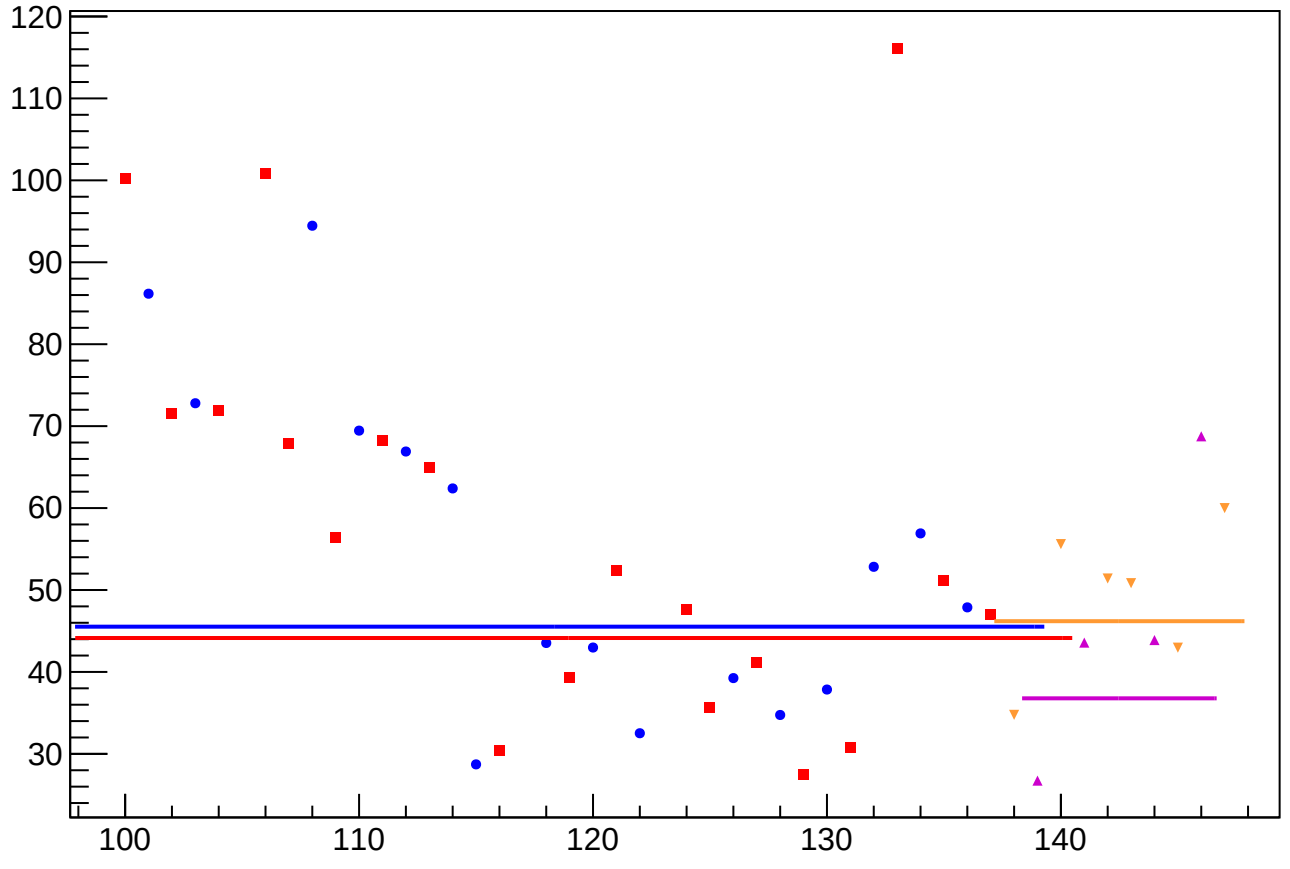
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.015+/-0.010 χ^2/NDF: 61.0/44

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 46.193+/-0.016 χ^2/NDF:307322.1/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

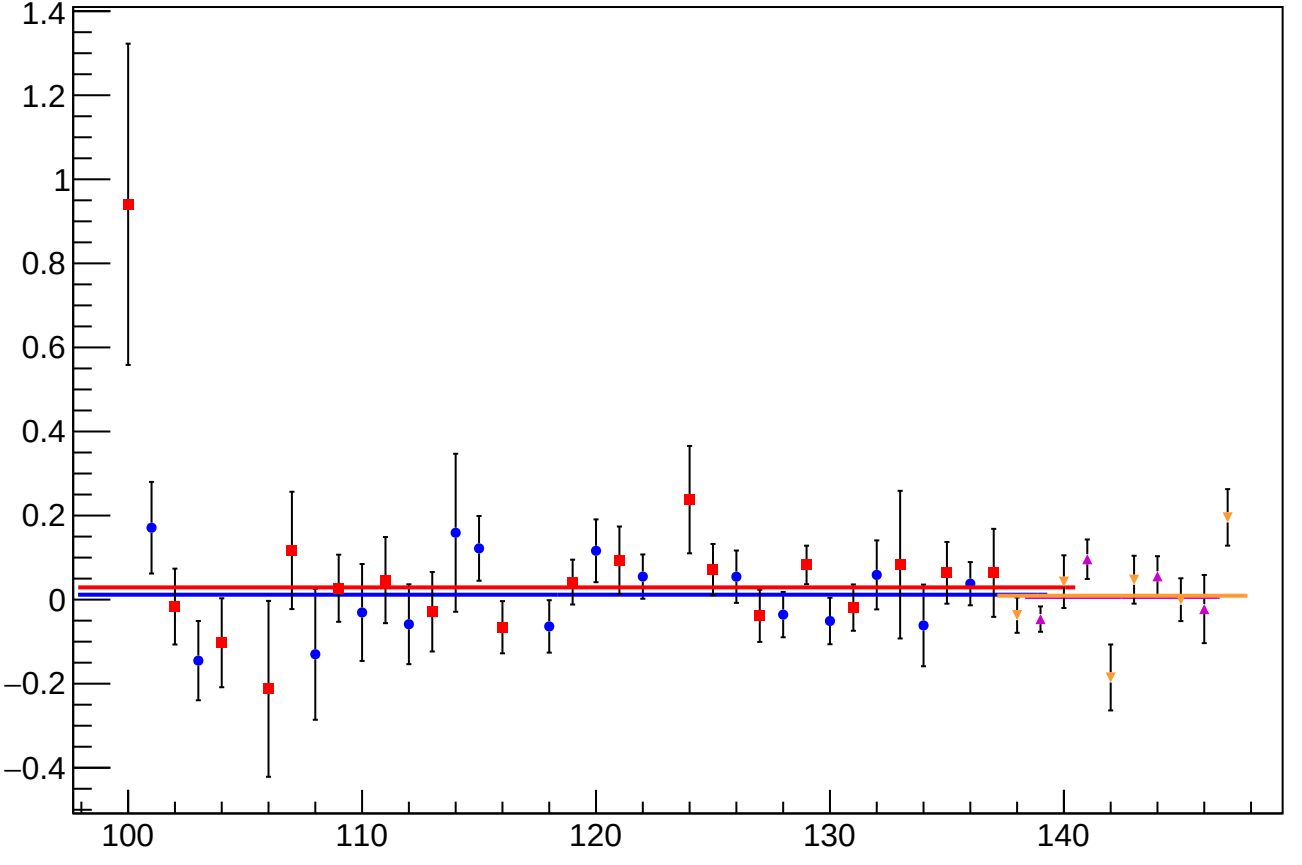
Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

+ sign 45.785+/-0.010 χ^2/NDF: 1562280.7/21

All: 43.373+/-0.007 χ^2/NDF: 4172959.0/44

- sign 41.143+/-0.010 χ^2/NDF: 2501454.7/22

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: 0.009+/-0.023 χ^2/NDF:15.8/5

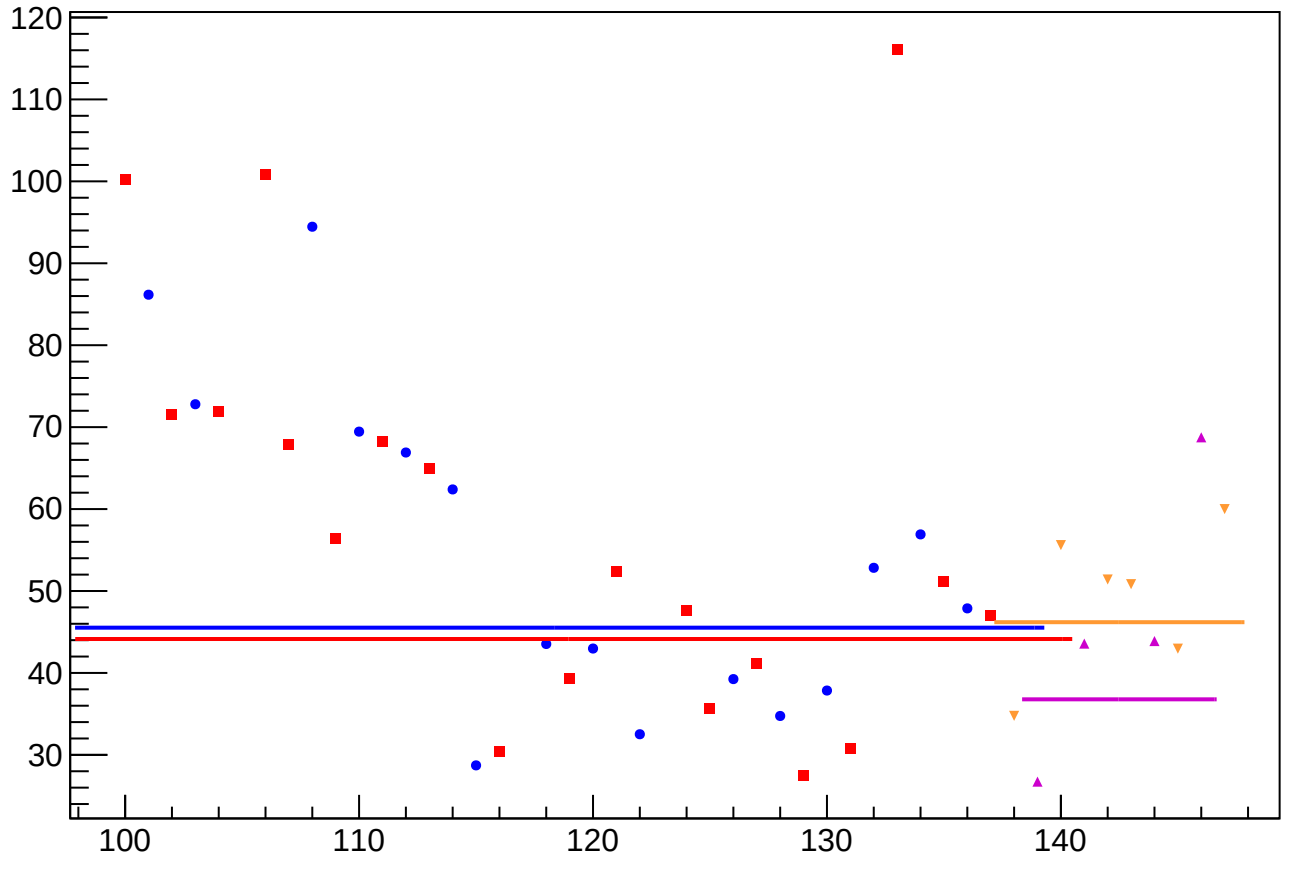
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.015+/-0.010 χ^2/NDF: 61.0/44

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 46.193+/-0.016 χ^2/NDF:307322.1/5

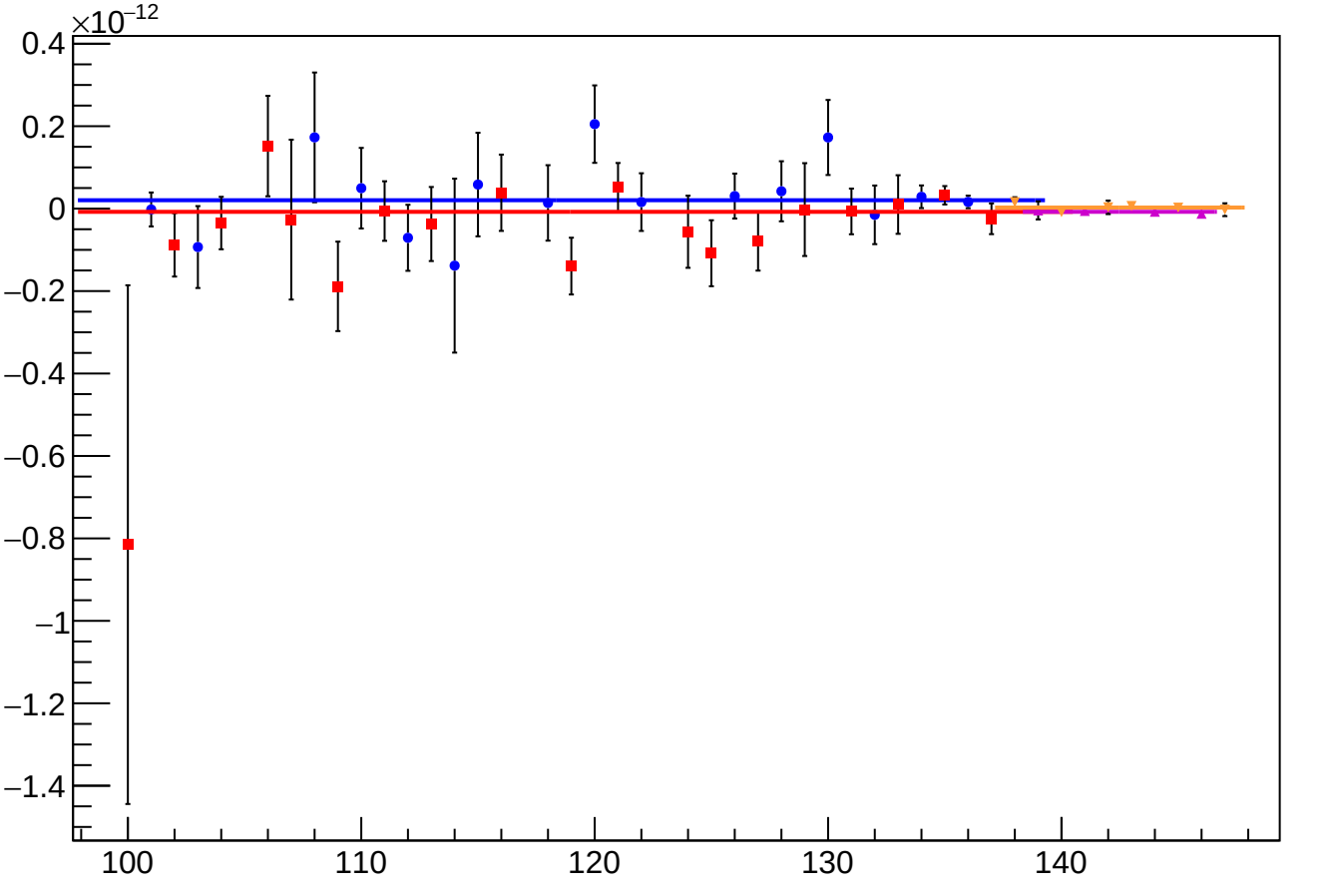
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

+ sign 45.785+/-0.010 χ^2/NDF: 1562280.7/21

All: 43.373+/-0.007 χ^2/NDF: 4172959.0/44

- sign 41.143+/-0.010 χ^2/NDF: 2501454.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/5

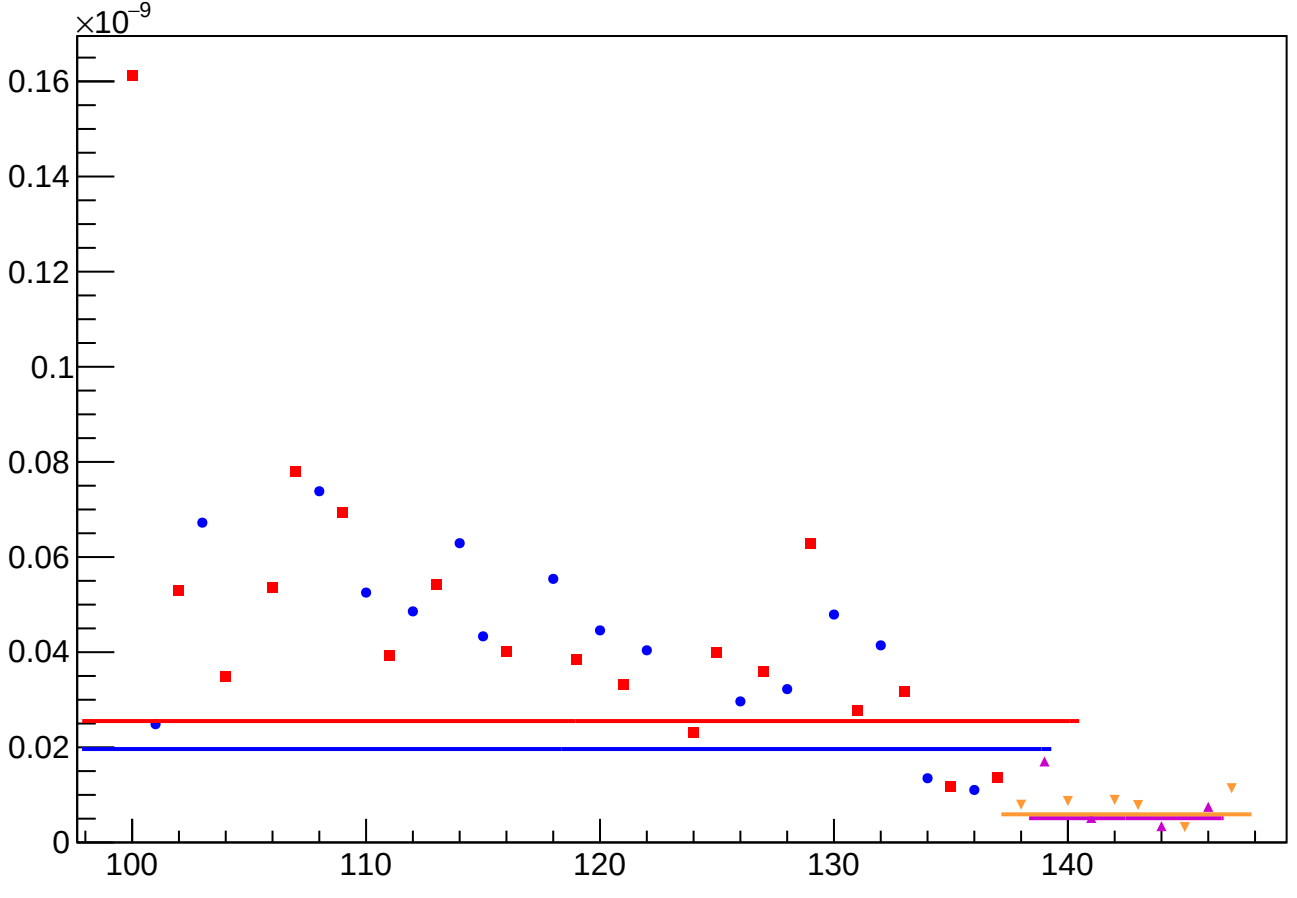
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.4/21

All: -0.000+/-0.000 χ^2/NDF: 40.5/44

- sign -0.000+/-0.000 χ^2/NDF: 19.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022566.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

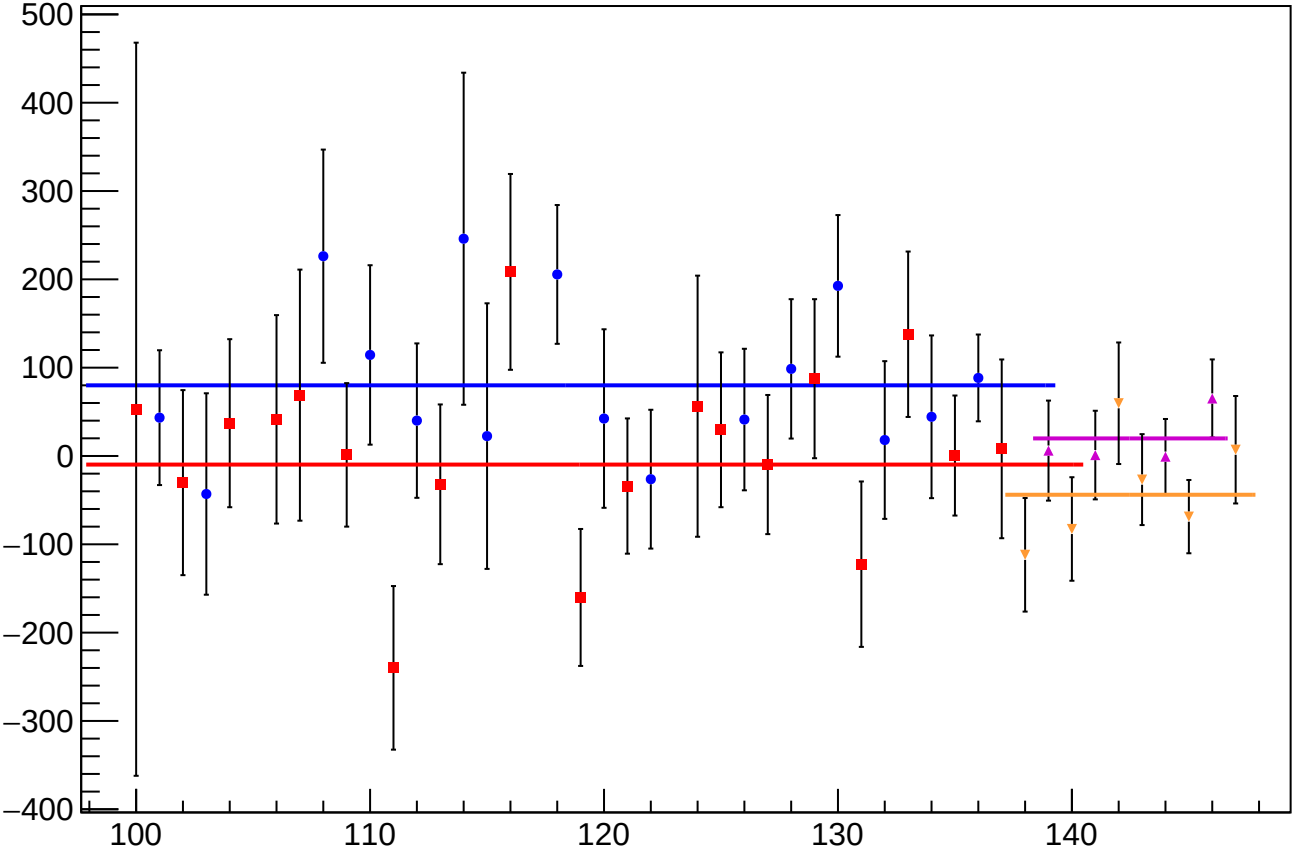
Left In: 0.000+/-0.000 χ^2/NDF:874760.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 6939384.8/21

All: 0.000+/-0.000 χ^2/NDF: 14606969.7/44

- sign 0.000+/-0.000 χ^2/NDF: 7642964.3/22

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.893+/-22.515 χ^2/NDF:5.0/5

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

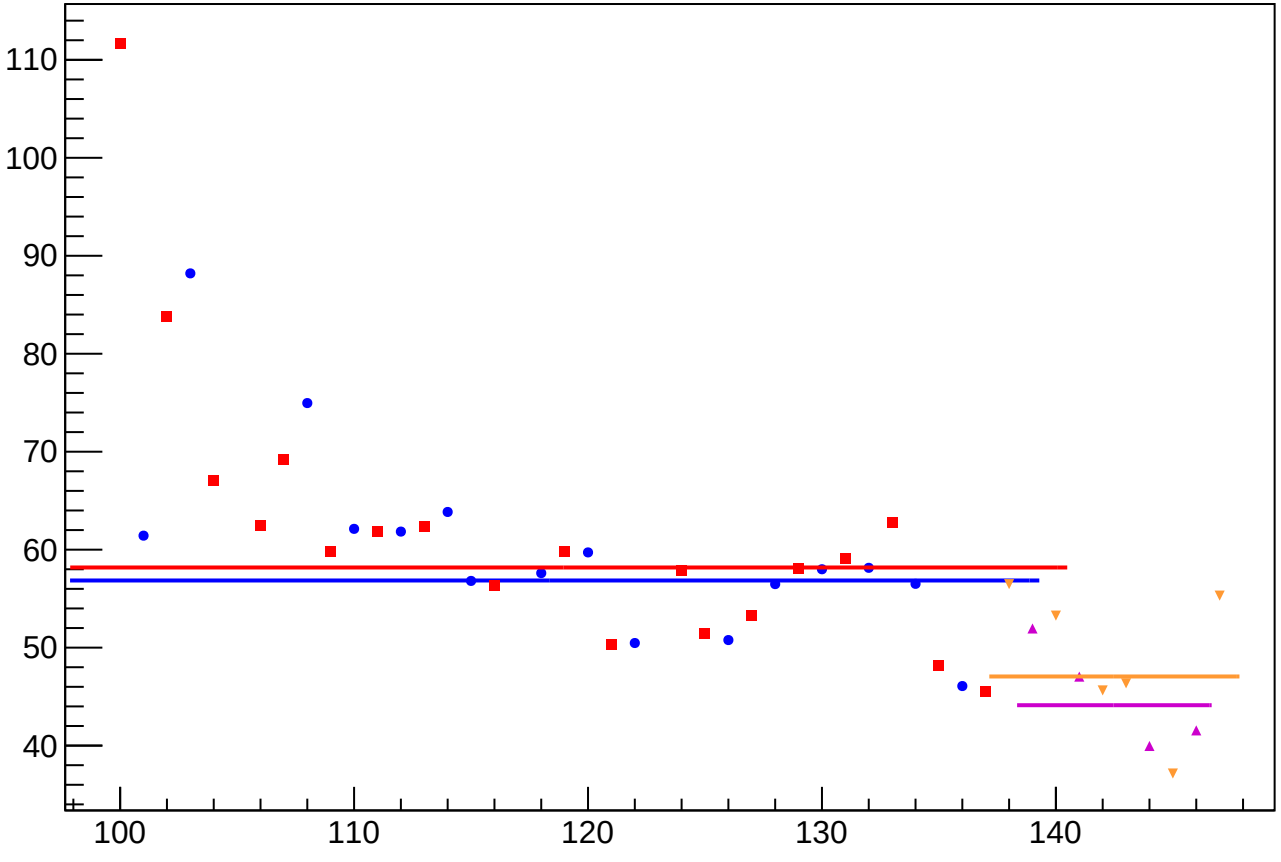
Left In: 19.883+/-23.765 χ^2/NDF:1.5/3

+ sign 20.978+/-15.539 χ^2/NDF: 32.4/21

All: 12.576+/-11.144 χ^2/NDF: 55.7/44

- sign 3.678+/-15.991 χ^2/NDF: 22.7/22

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

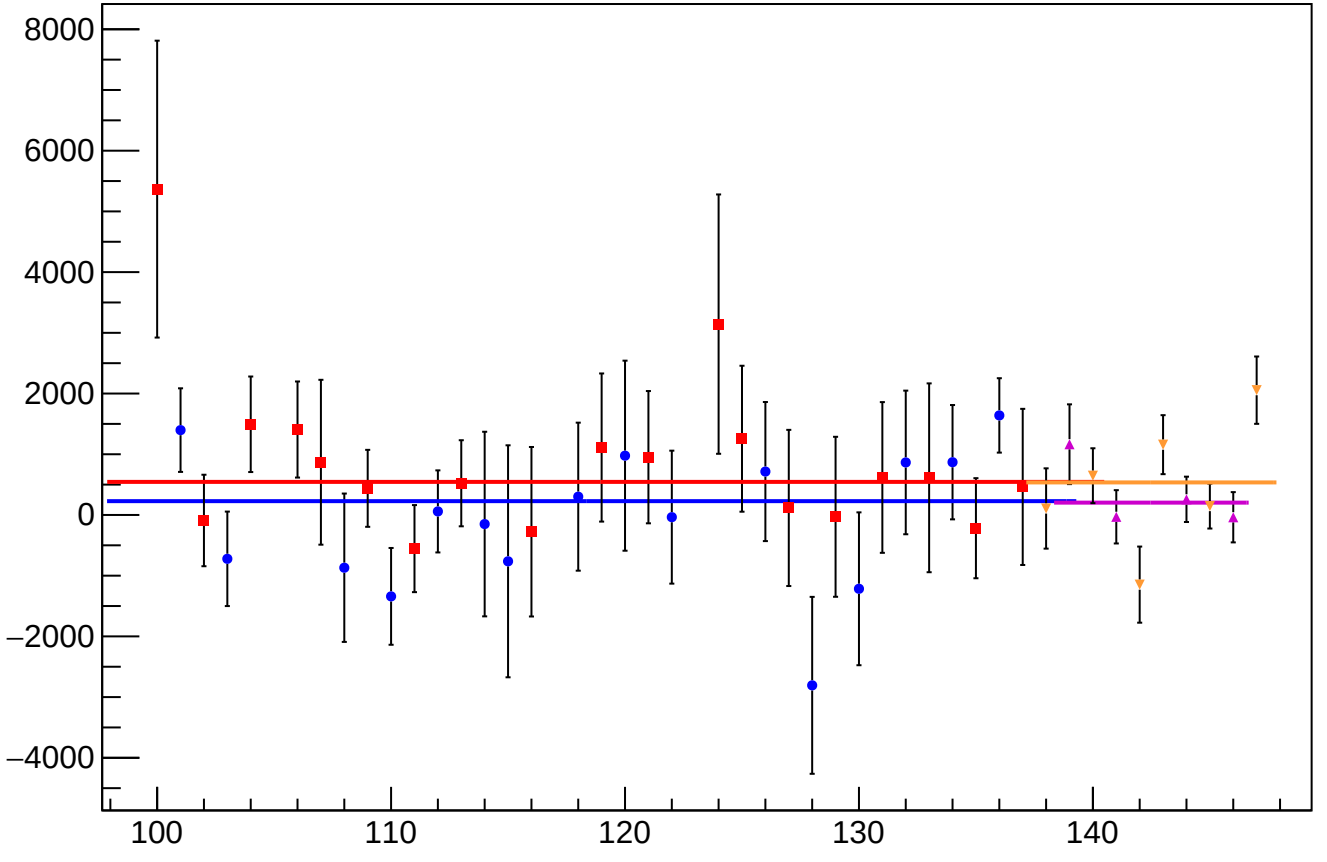
Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 52.186+/-0.011 χ^2/NDF: 757438.0/21

All: 52.007+/-0.008 χ^2/NDF: 1526454.1/44

- sign 51.816+/-0.011 χ^2/NDF: 768464.7/22

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 535.947+/-201.920 χ^2/NDF:17.9/5

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

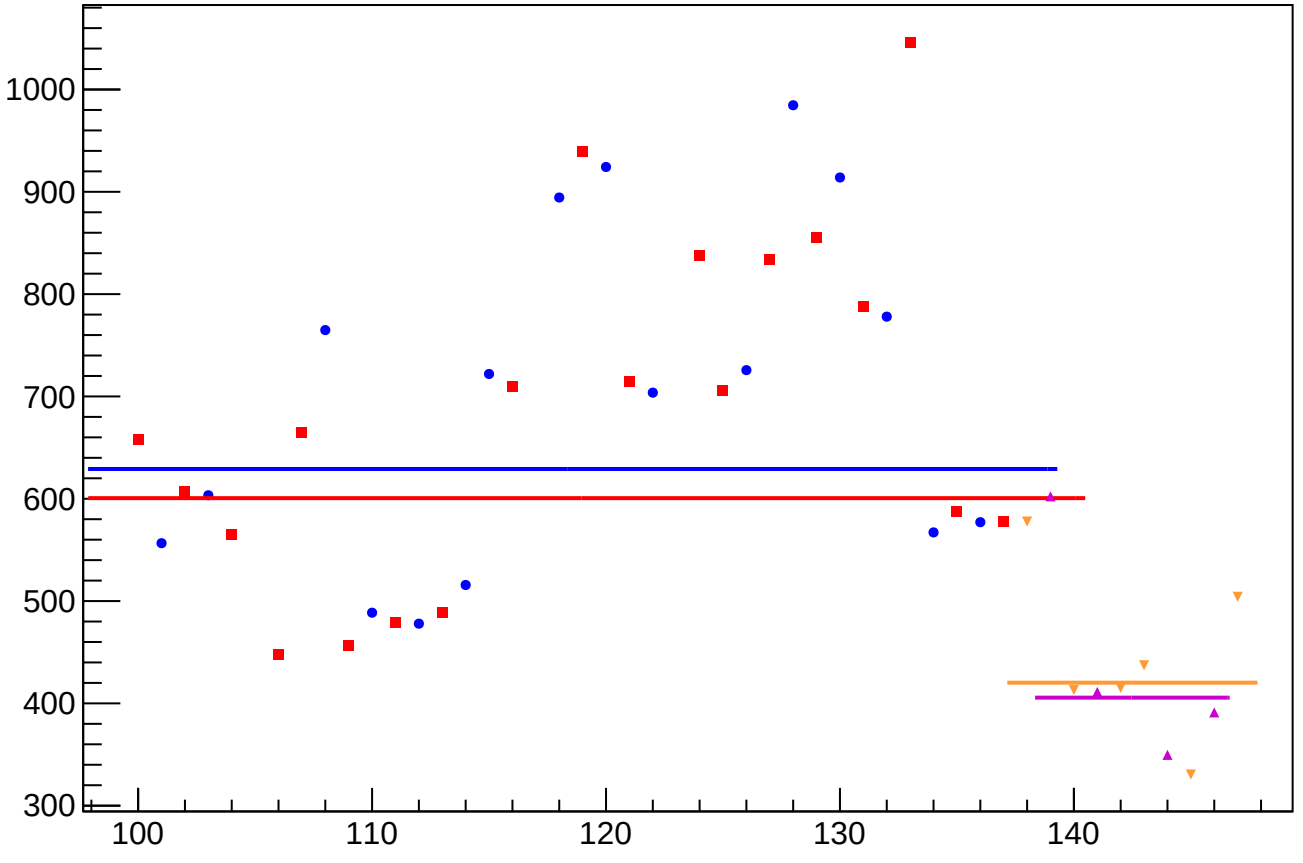
Left In: 203.061+/-220.798 χ^2/NDF:2.8/3

+ sign 408.871+/-154.835 χ^2/NDF: 40.5/21

All: 389.384+/-110.709 χ^2/NDF: 57.9/44

- sign 369.001+/-158.357 χ^2/NDF: 17.3/22

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 420.238+/-0.143 χ^2/NDF:280181.2/5

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

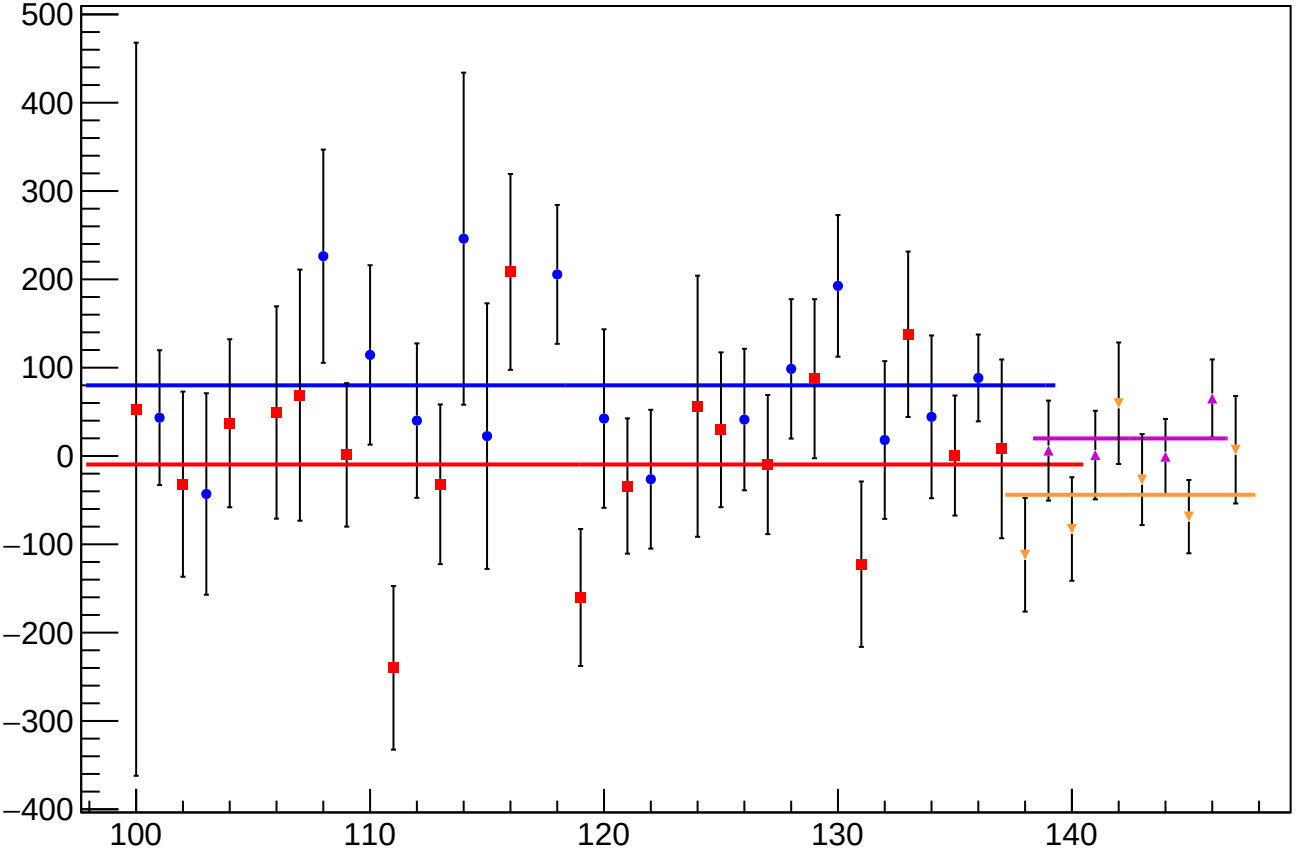
Left In: 405.596+/-0.156 χ^2/NDF:226970.9/3

+ sign 506.287+/-0.109 χ^2/NDF: 1854496.8/21

All: 503.356+/-0.078 χ^2/NDF: 3715065.9/44

- sign 500.290+/-0.112 χ^2/NDF: 1859103.0/22

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

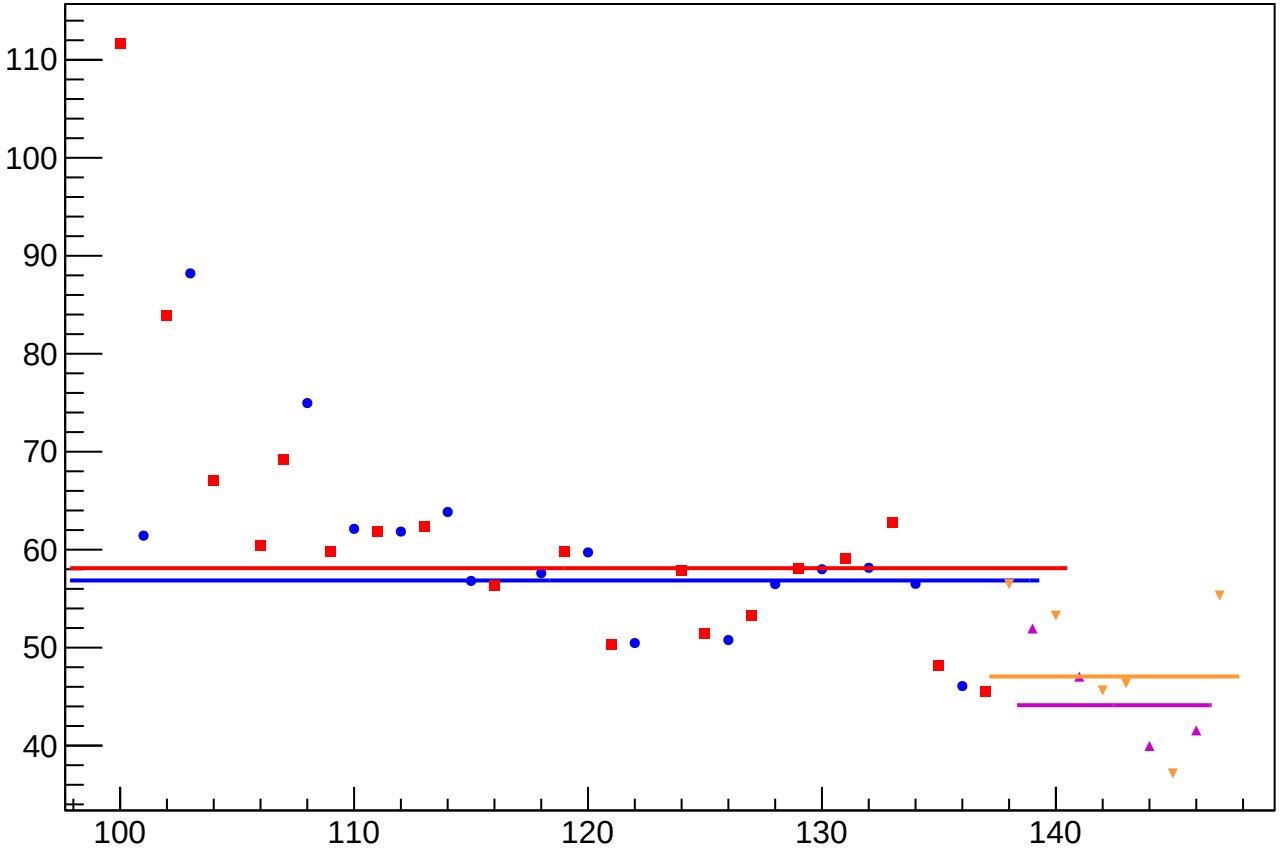
Left In: 19.889+/-23.765 χ^2/NDF:1.5/3

+ sign 20.976+/-15.539 χ^2/NDF: 32.4/21

All: 12.613+/-11.146 χ^2/NDF: 55.7/44

- sign 3.751+/-15.997 χ^2/NDF: 22.7/22

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

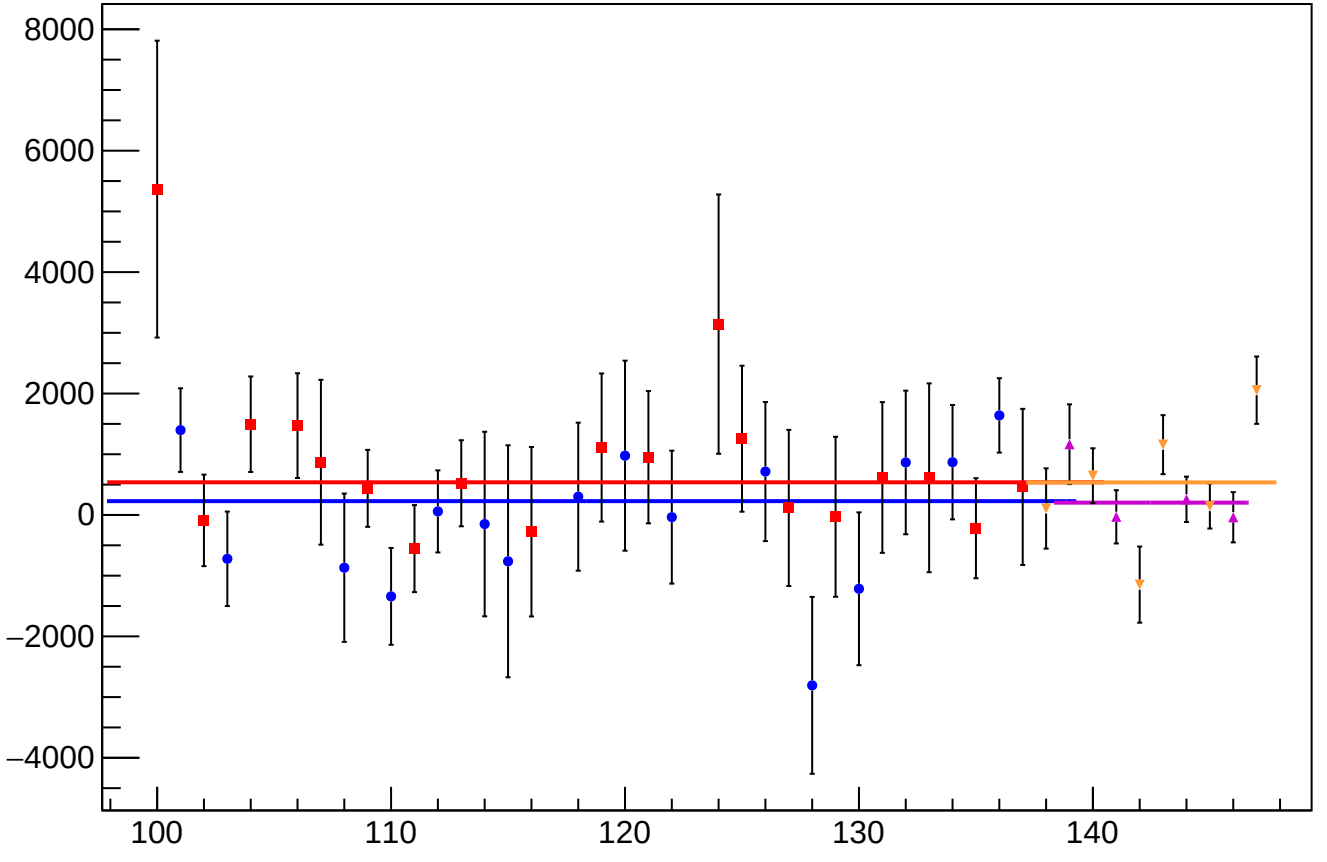
Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 52.186+/-0.011 χ^2/NDF: 757441.9/21

All: 51.986+/-0.008 χ^2/NDF: 1520812.1/44

- sign 51.773+/-0.011 χ^2/NDF: 762683.2/22

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

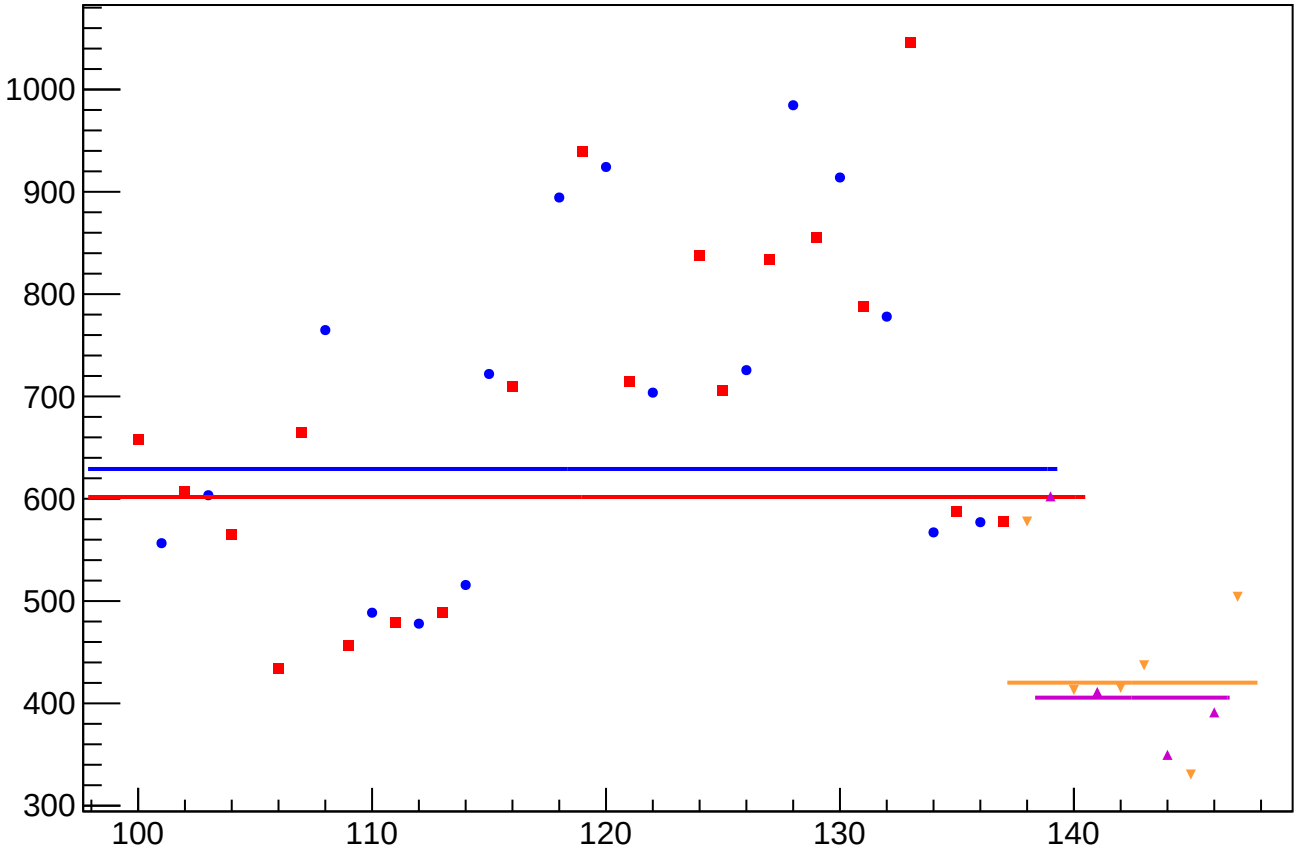
Left In: 203.068+/-220.798 χ^2/NDF:2.8/3

+ sign 408.883+/-154.836 χ^2/NDF: 40.5/21

All: 387.342+/-110.883 χ^2/NDF: 57.8/44

- sign 364.665+/-158.866 χ^2/NDF: 17.2/22

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

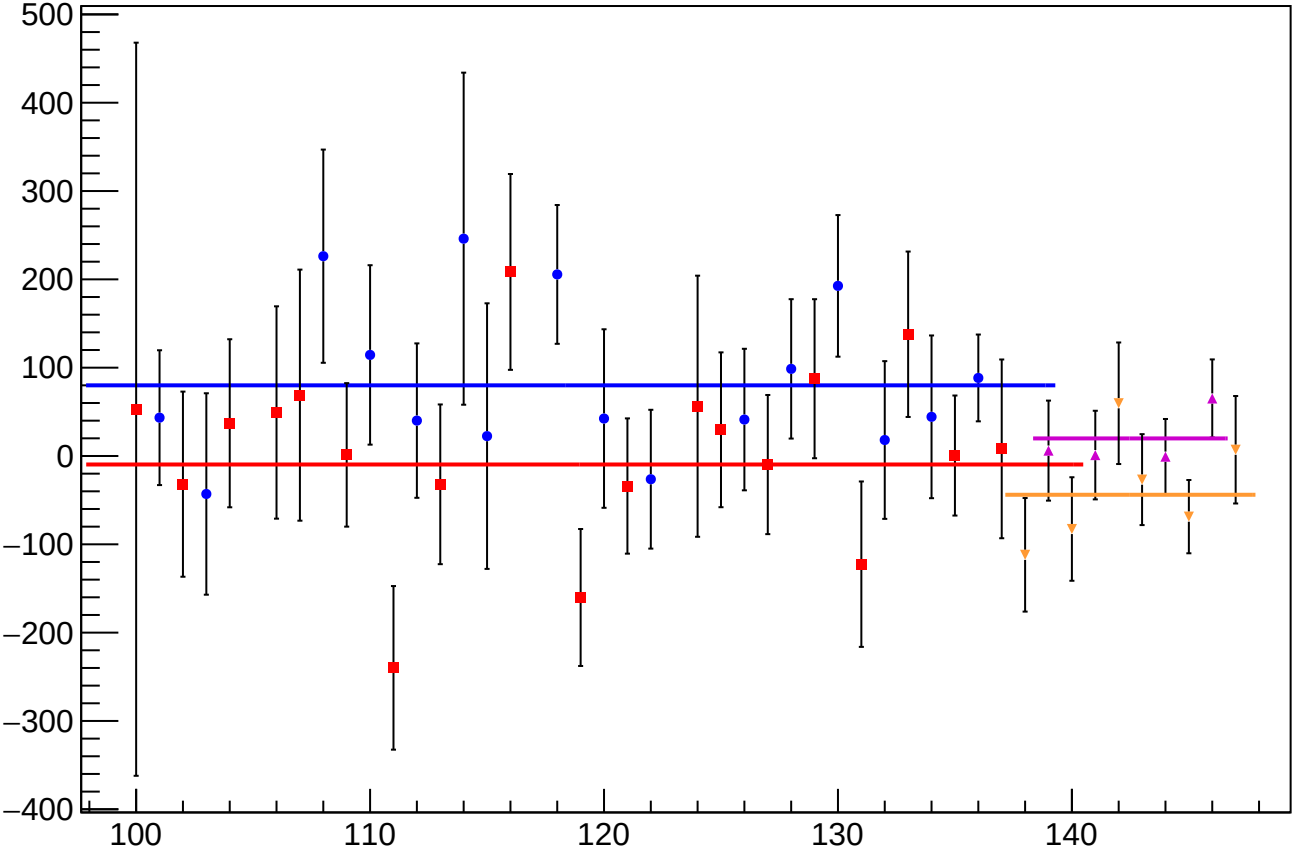
Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

+ sign 506.288+/-0.109 χ^2/NDF: 1854523.8/21

All: 503.316+/-0.078 χ^2/NDF: 3718123.4/44

- sign 500.188+/-0.112 χ^2/NDF: 1862087.8/22

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

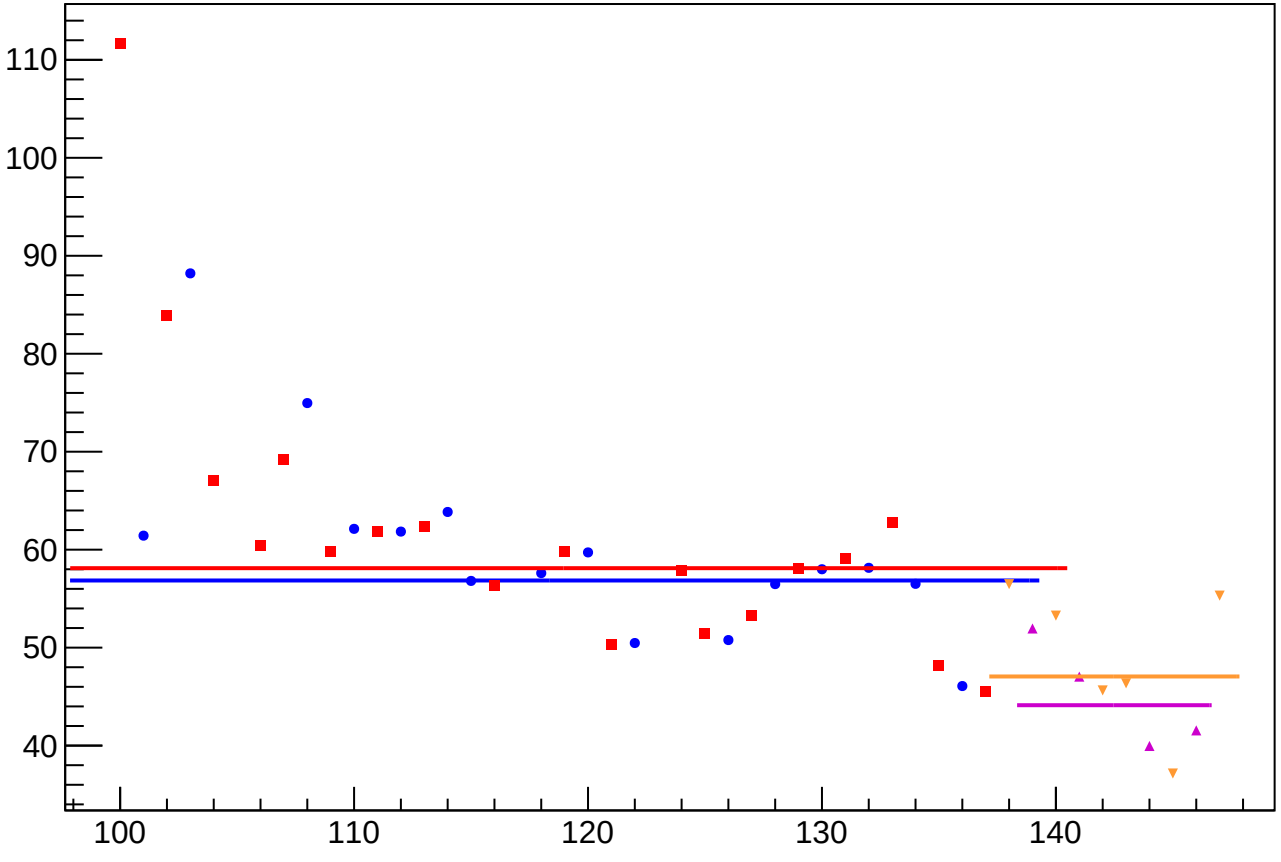
Left In: 19.889+/-23.765 χ^2/NDF:1.5/3

\+ sign 20.976+/-15.539 χ^2/NDF: 32.4/21

All: 12.613+/-11.146 χ^2/NDF: 55.7/44

\- sign 3.751+/-15.997 χ^2/NDF: 22.7/22

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

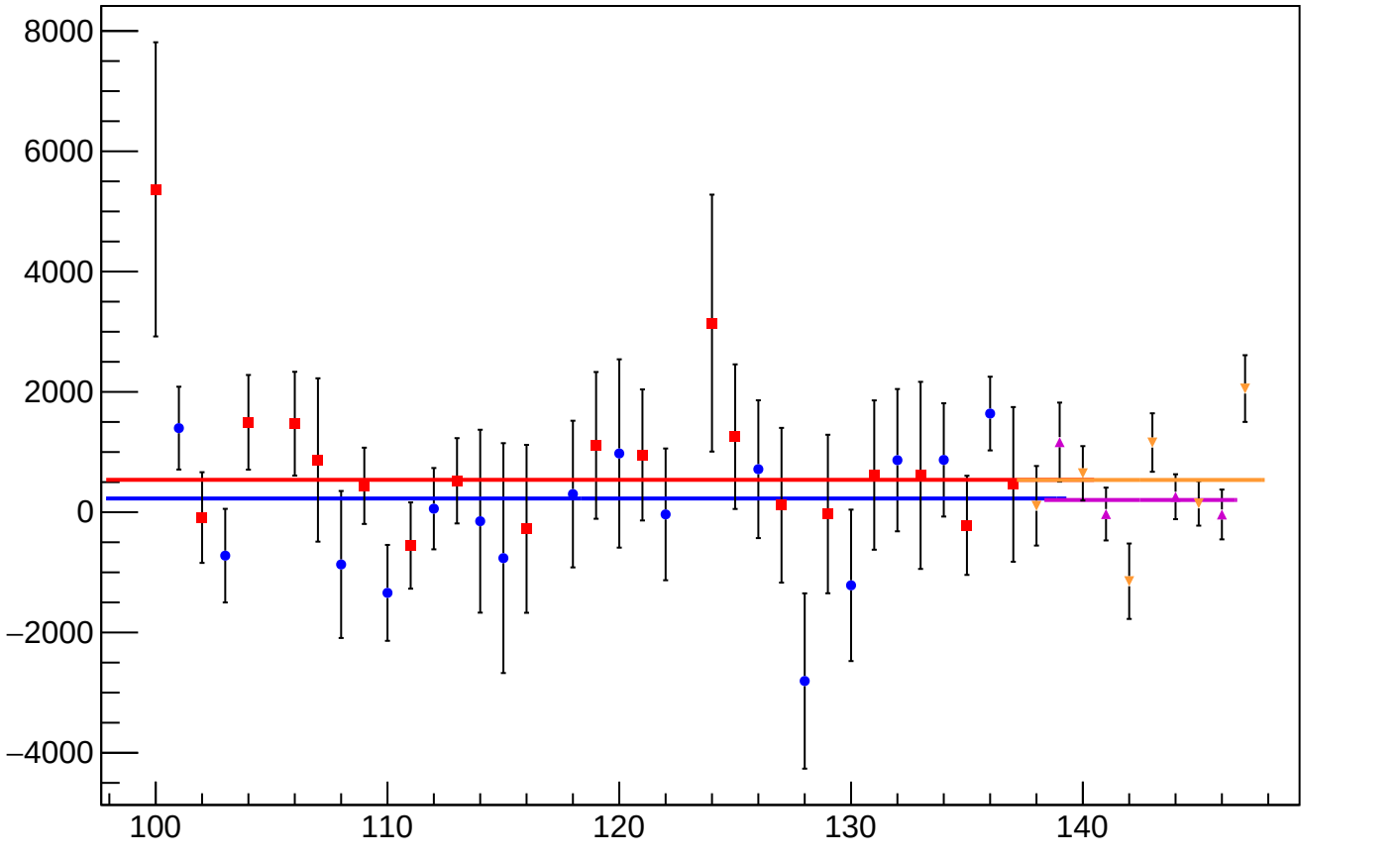
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 52.186+/-0.011 χ^2/NDF: 757441.9/21

All: 51.986+/-0.008 χ^2/NDF: 1520812.1/44

- sign 51.773+/-0.011 χ^2/NDF: 762683.2/22



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

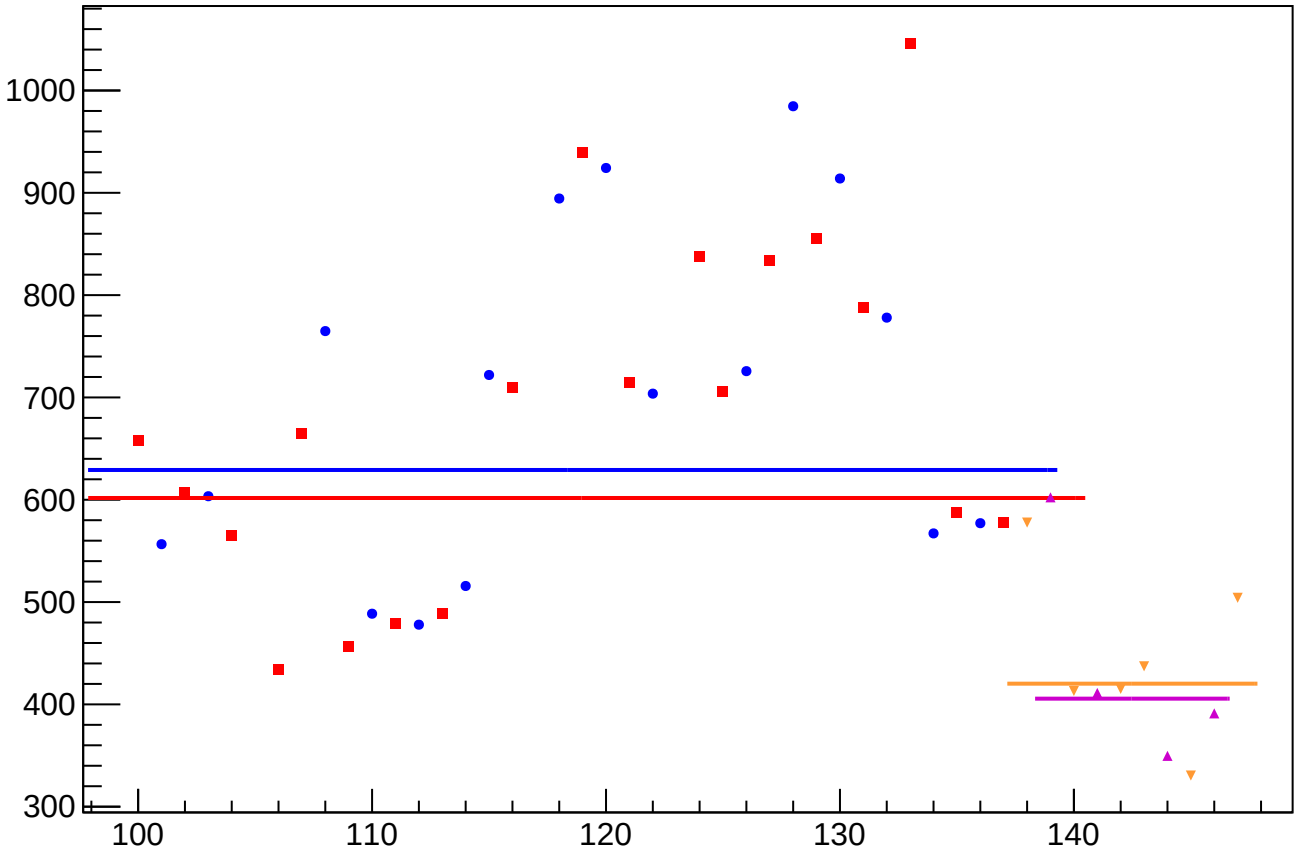
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 203.068+/-220.798 χ^2/NDF:2.8/3

\+ sign 408.883+/-154.836 χ^2/NDF: 40.5/21

All: 387.342+/-110.883 χ^2/NDF: 57.8/44

\- sign 364.665+/-158.866 χ^2/NDF: 17.2/22



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

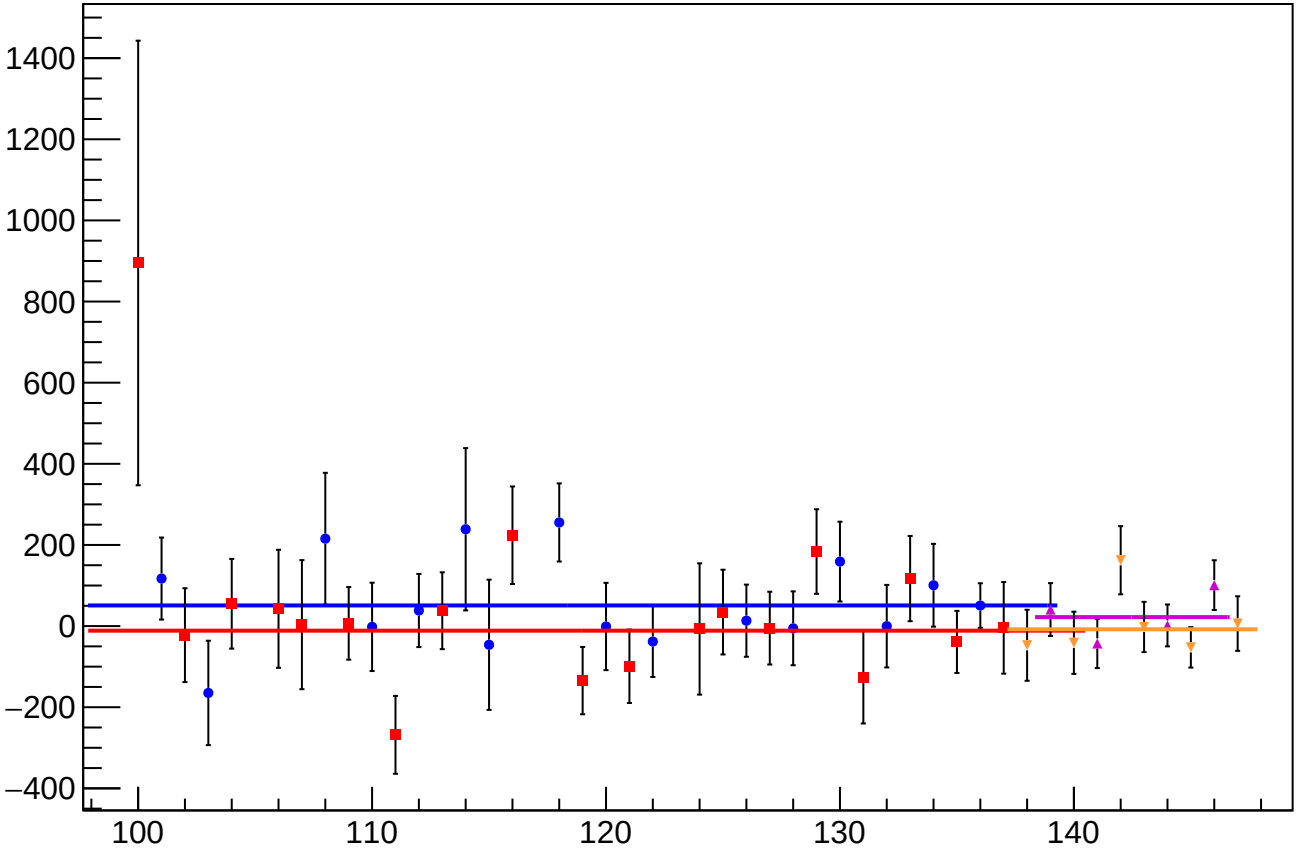
Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

+ sign 506.288+/-0.109 χ^2/NDF: 1854523.8/21

All: 503.316+/-0.078 χ^2/NDF: 3718123.4/44

- sign 500.188+/-0.112 χ^2/NDF: 1862087.8/22

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.926+/-27.451 χ^2/NDF:5.3/5

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

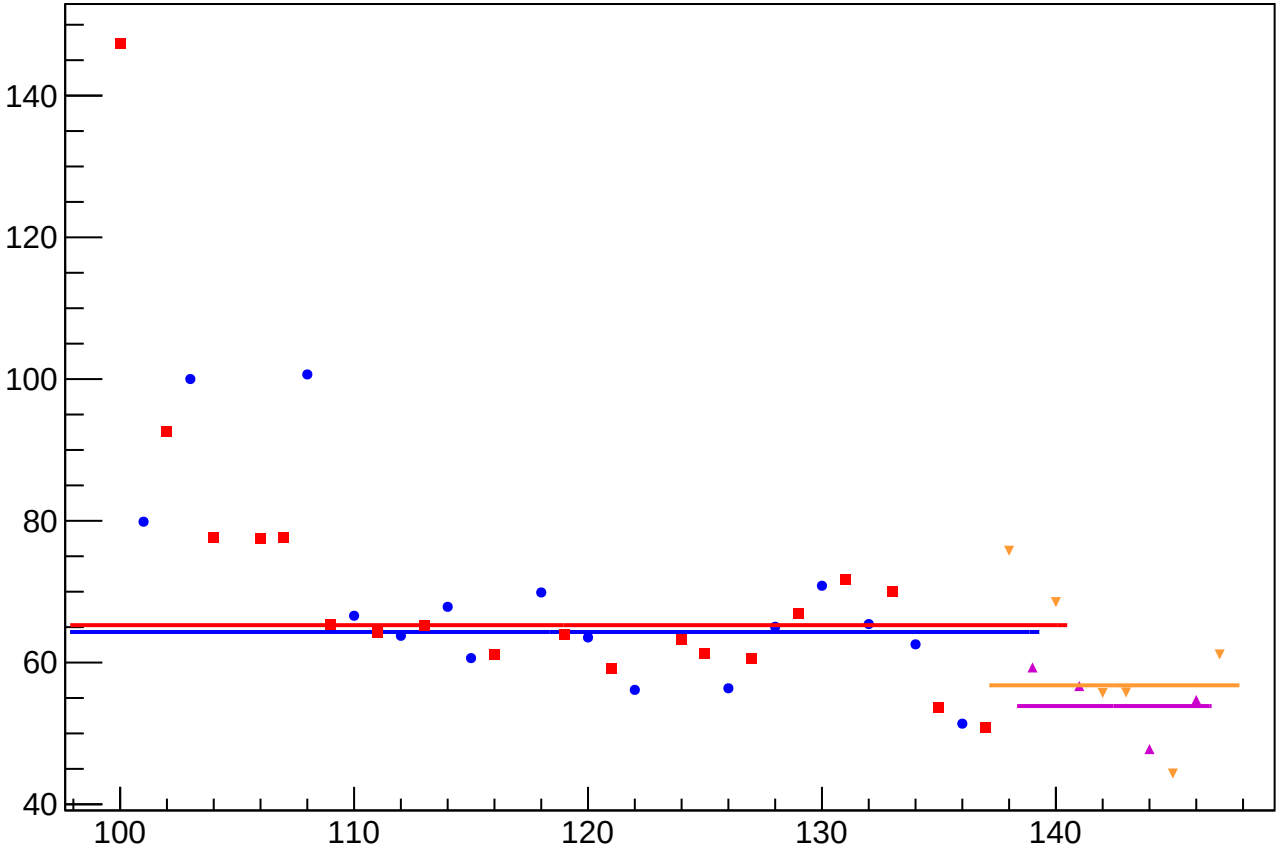
Left In: 22.110+/-29.511 χ^2/NDF:3.0/3

+ sign 24.805+/-18.275 χ^2/NDF: 21.7/21

All: 13.823+/-13.094 χ^2/NDF: 50.3/44

- sign 2.239+/-18.770 χ^2/NDF: 27.8/22

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.789+/-0.019 χ^2/NDF:275088.2/5

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

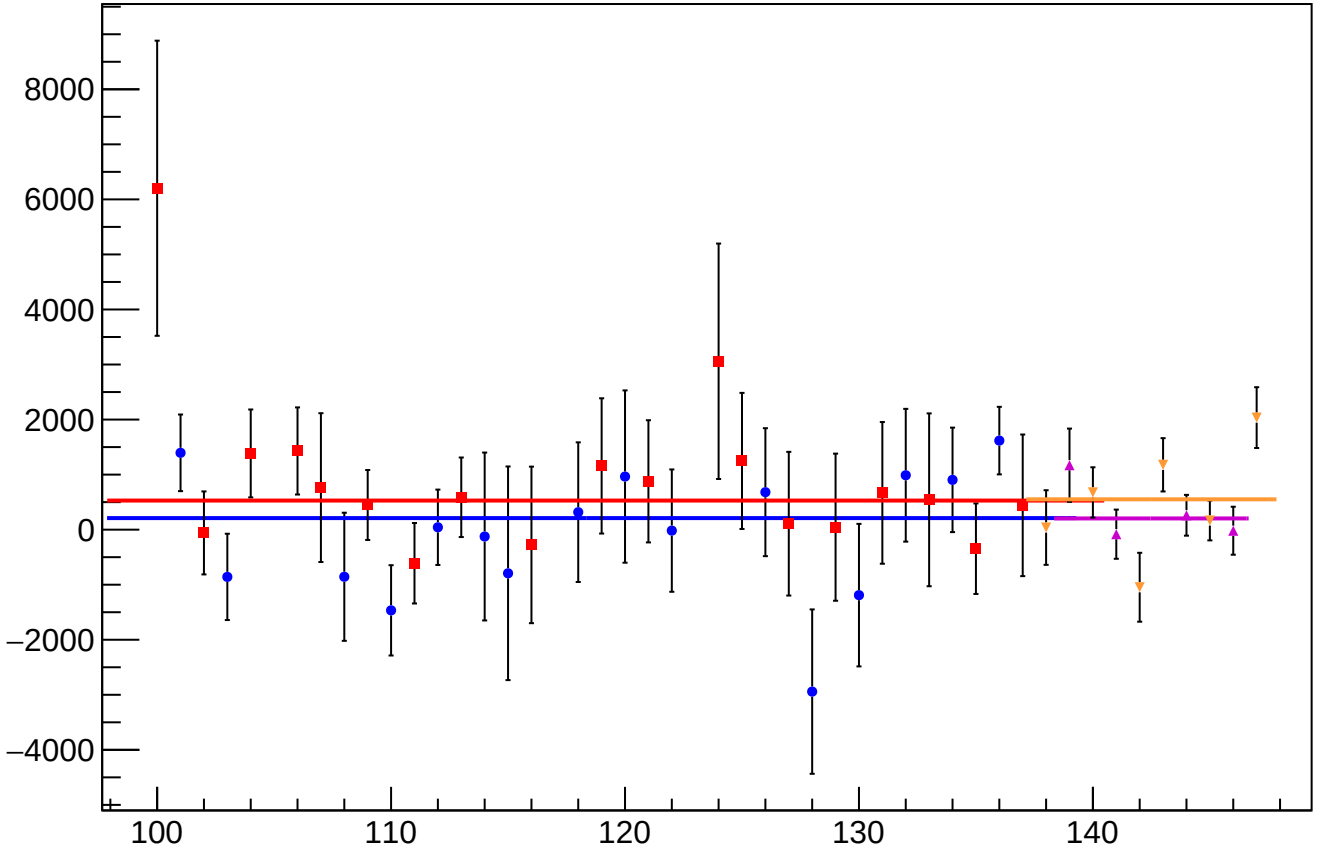
Left In: 53.864+/-0.021 χ^2/NDF:46400.9/3

+ sign 60.980+/-0.013 χ^2/NDF: 823792.3/21

All: 60.824+/-0.009 χ^2/NDF: 1367770.5/44

- sign 60.660+/-0.013 χ^2/NDF: 543679.7/22

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.348+/-201.096 χ^2/NDF:17.2/5

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

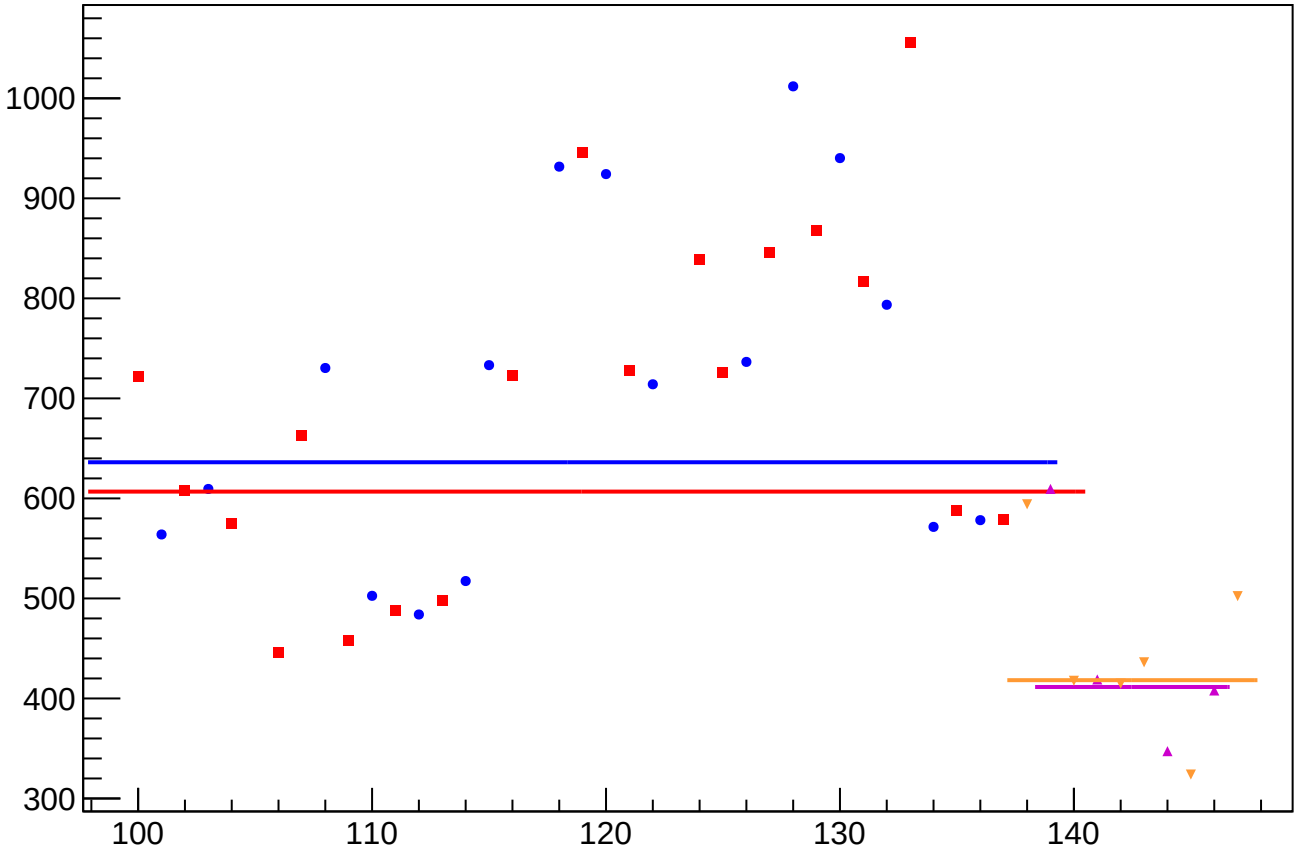
Left In: 203.735+/-224.625 χ^2/NDF:2.8/3

\+ sign 413.145+/-155.132 χ^2/NDF: 40.8/21

All: 388.742+/-111.575 χ^2/NDF: 58.5/44

\- sign 362.591+/-160.591 χ^2/NDF: 17.7/22

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 418.277+/-0.142 χ^2/NDF:319903.5/5

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

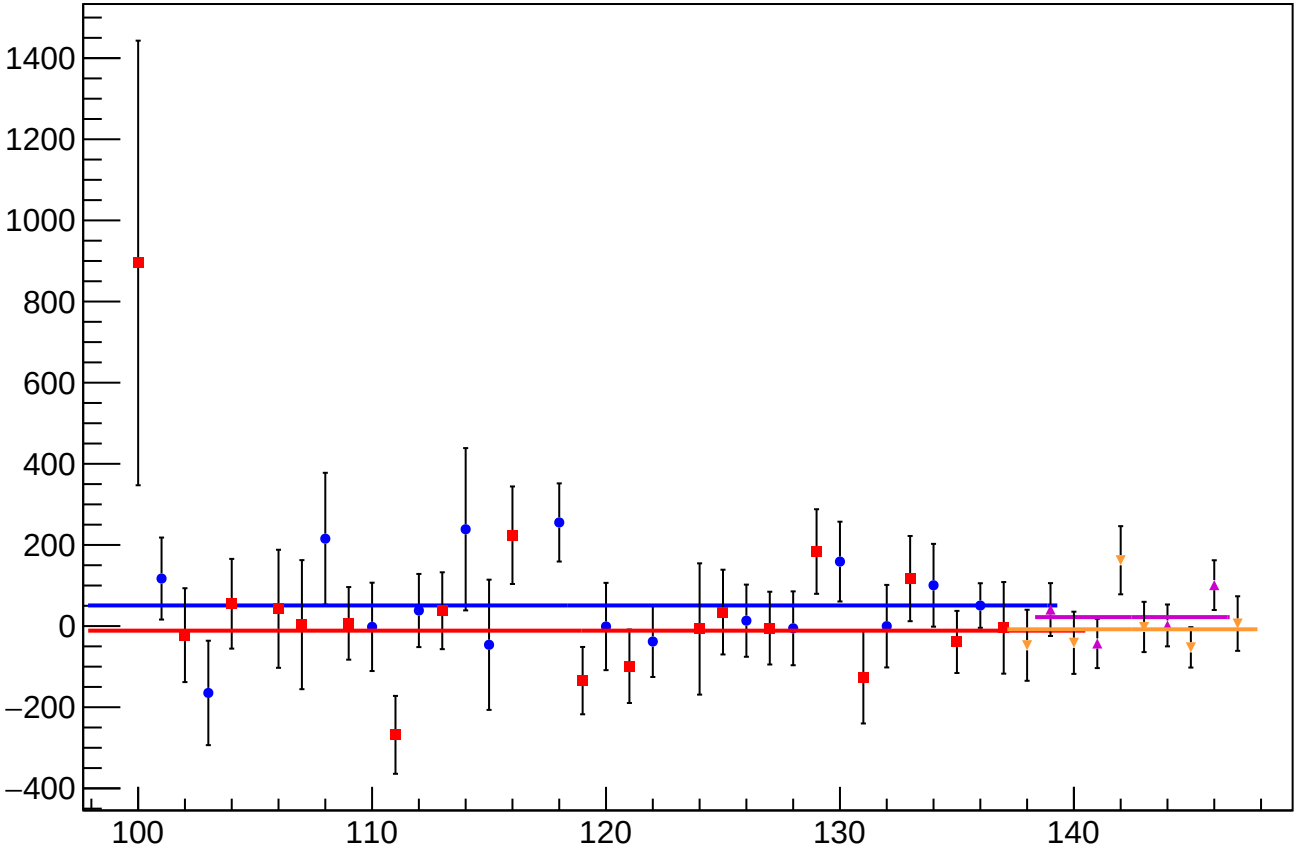
Left In: 411.465+/-0.159 χ^2/NDF:238057.8/3

+ sign 506.490+/-0.110 χ^2/NDF: 1975638.2/21

All: 506.717+/-0.079 χ^2/NDF: 3846999.0/44

- sign 506.961+/-0.114 χ^2/NDF: 1871352.0/22

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.925+/-27.451 χ^2/NDF:5.3/5

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

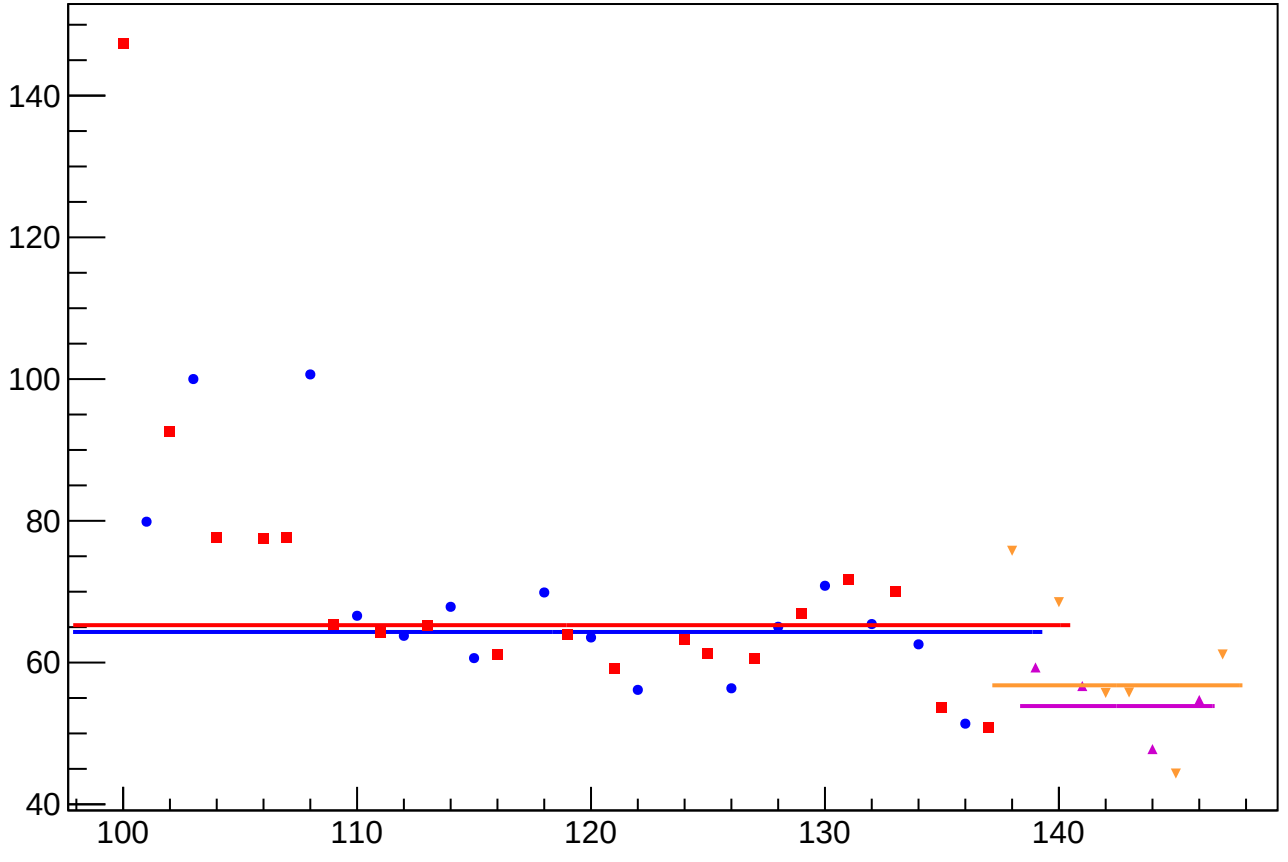
Left In: 22.109+/-29.511 χ^2/NDF:3.0/3

+ sign 24.804+/-18.275 χ^2/NDF: 21.7/21

All: 13.823+/-13.094 χ^2/NDF: 50.3/44

- sign 2.239+/-18.770 χ^2/NDF: 27.8/22

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.789+/-0.019 χ^2/NDF:275074.2/5

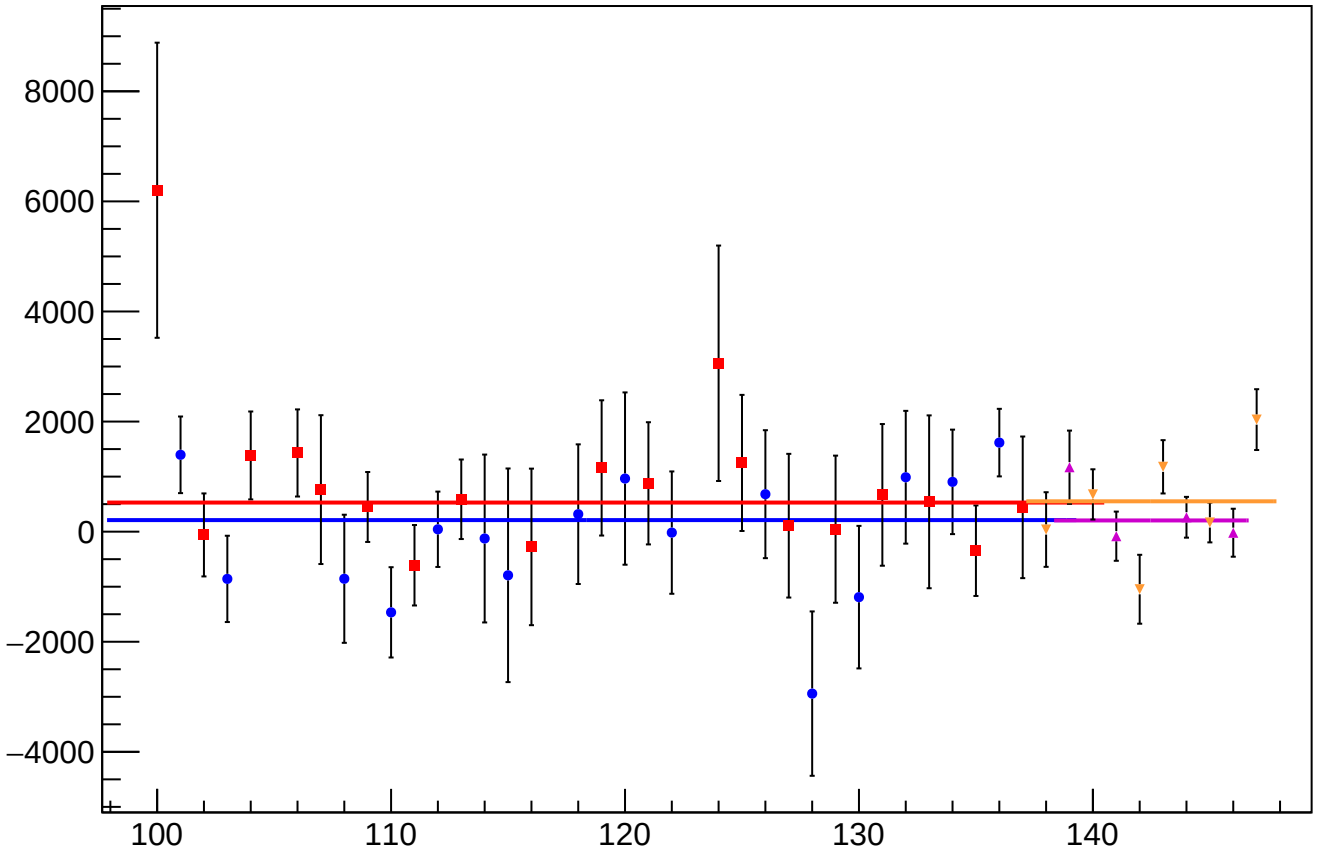
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.864+/-0.021 χ^2/NDF:46397.1/3

+ sign 60.980+/-0.013 χ^2/NDF: 823770.6/21

All: 60.824+/-0.009 χ^2/NDF: 1367742.2/44

- sign 60.660+/-0.013 χ^2/NDF: 543672.9/22



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.347+/-201.096 χ^2/NDF:17.2/5

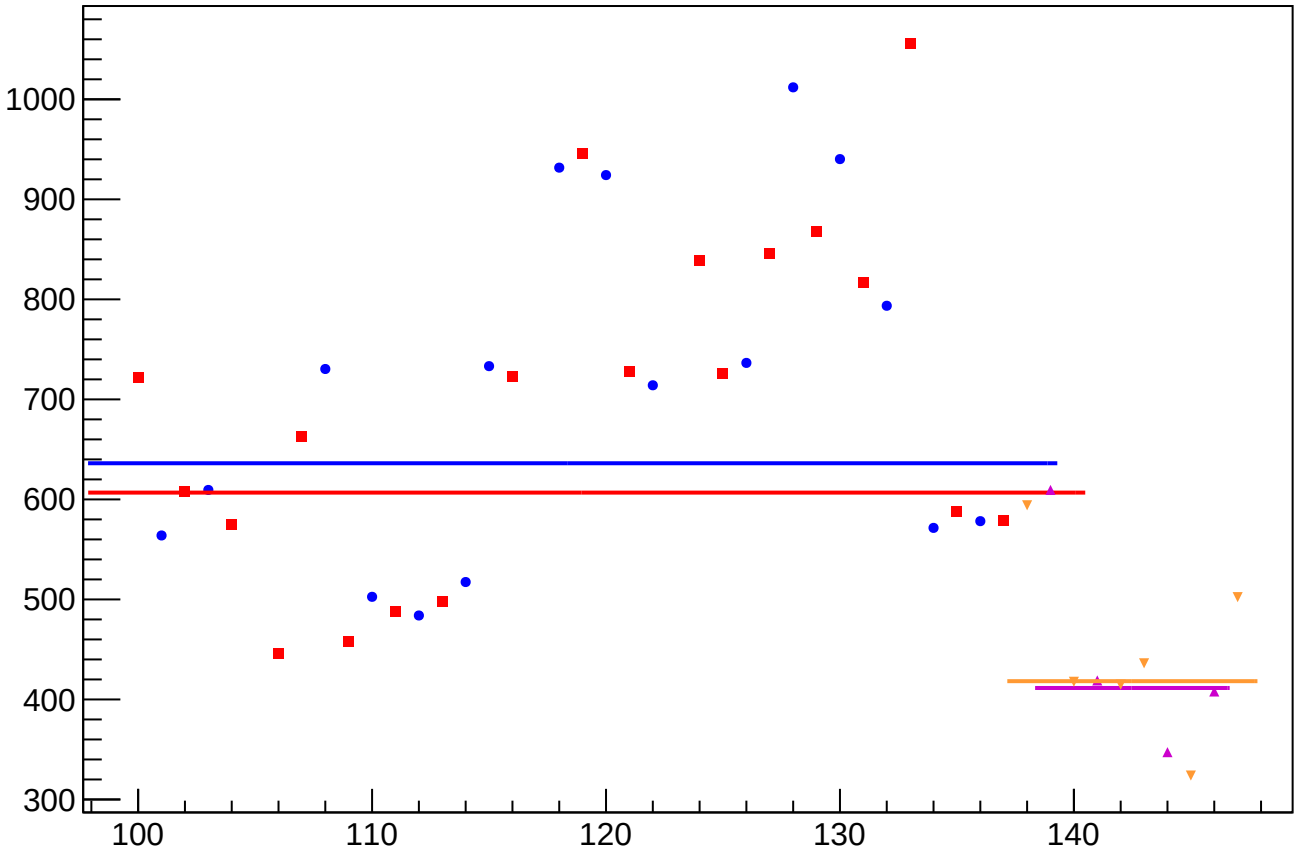
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 203.735+/-224.625 χ^2/NDF:2.8/3

+ sign 413.145+/-155.131 χ^2/NDF: 40.8/21

All: 388.741+/-111.575 χ^2/NDF: 58.5/44

- sign 362.590+/-160.591 χ^2/NDF: 17.7/22



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 418.275+/-0.142 χ^2/NDF:319906.8/5

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

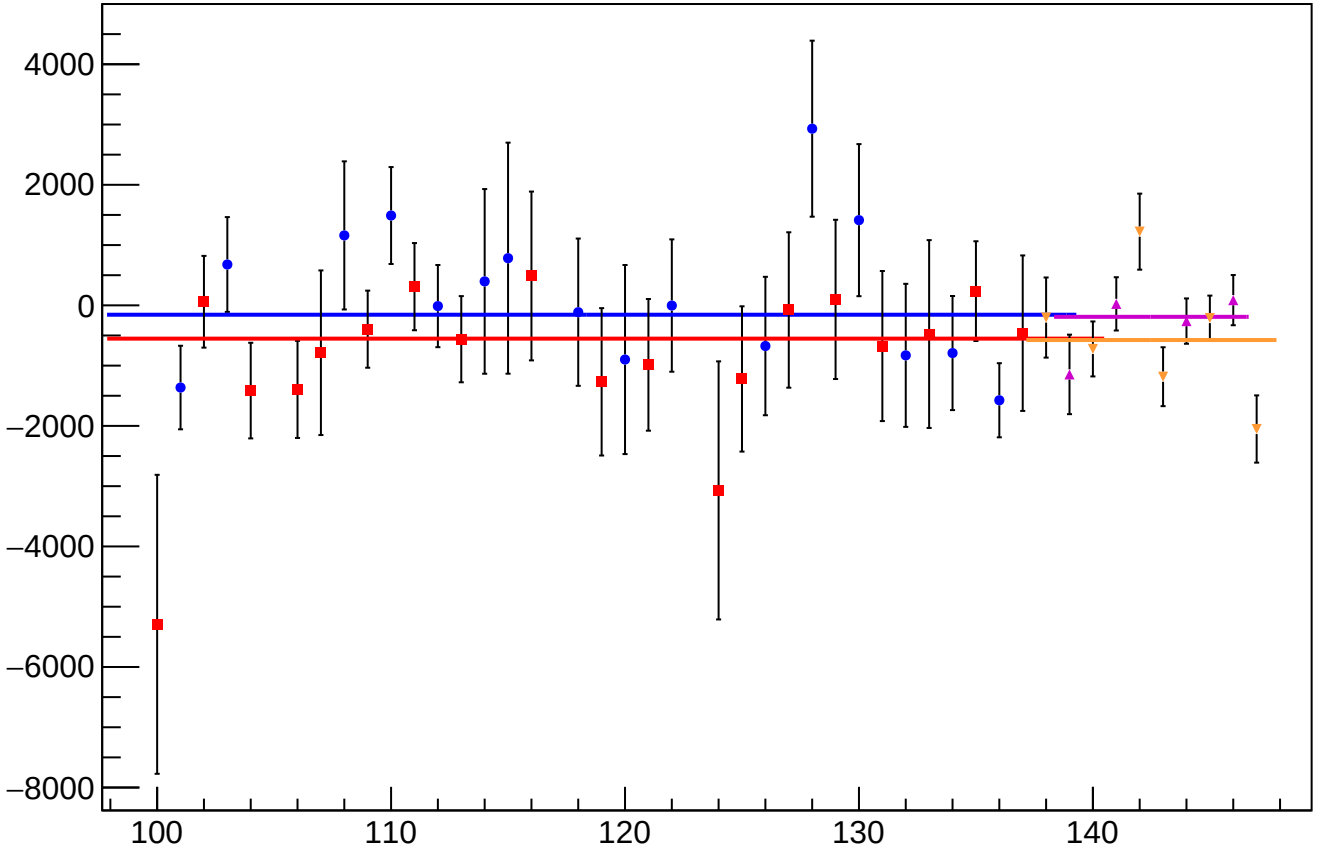
Left In: 411.464+/-0.159 χ^2/NDF:238057.4/3

+ sign 506.489+/-0.110 χ^2/NDF: 1975651.7/21

All: 506.716+/-0.079 χ^2/NDF: 3847017.1/44

- sign 506.960+/-0.114 χ^2/NDF: 1871356.5/22

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -575.586+/-203.242 χ^2/NDF:18.1/5

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

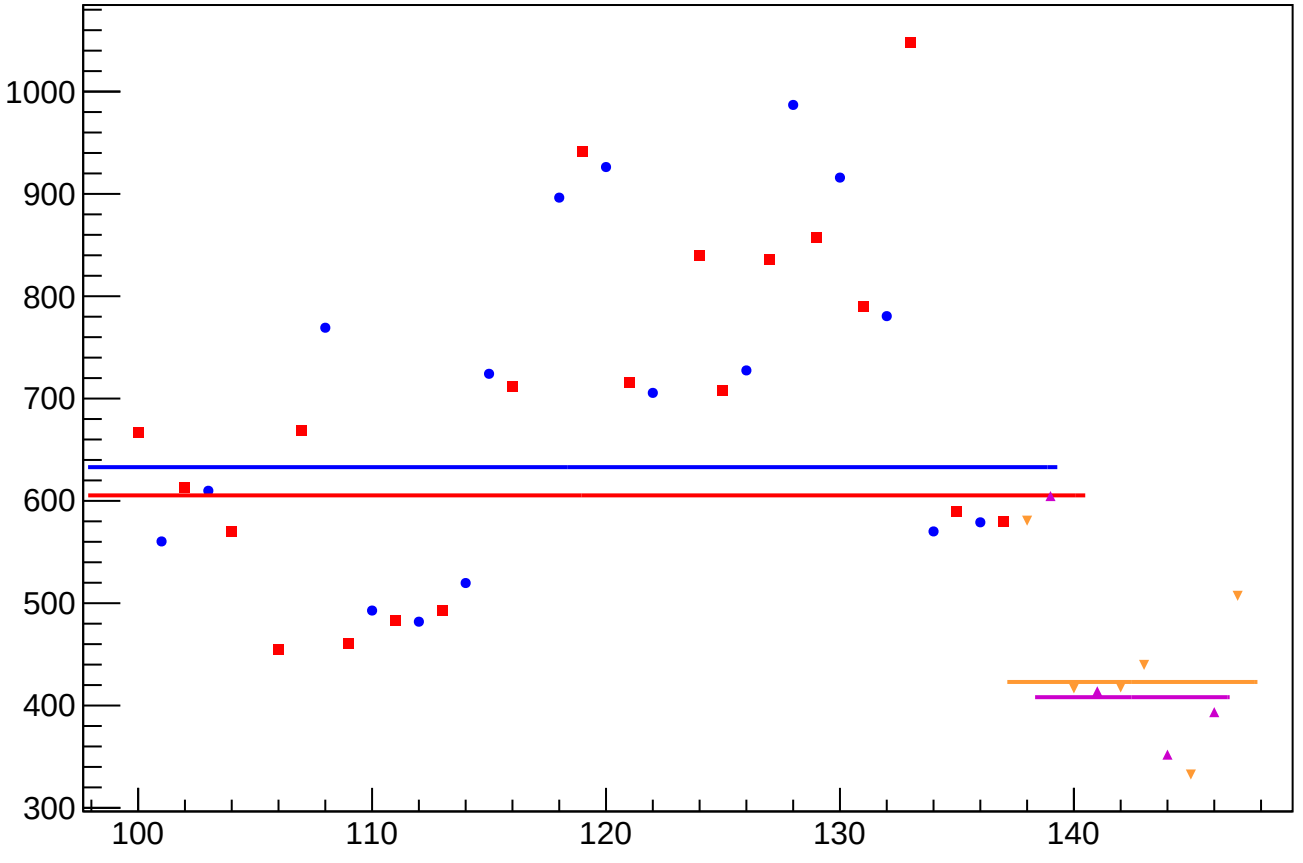
Left In: -190.481+/-222.158 χ^2/NDF:2.8/3

+ sign -402.399+/-155.793 χ^2/NDF: 42.3/21

All: -384.584+/-111.421 χ^2/NDF: 58.6/44

- sign -365.931+/-159.416 χ^2/NDF: 16.2/22

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 423.034+/-0.144 χ^2/NDF:279047.1/5

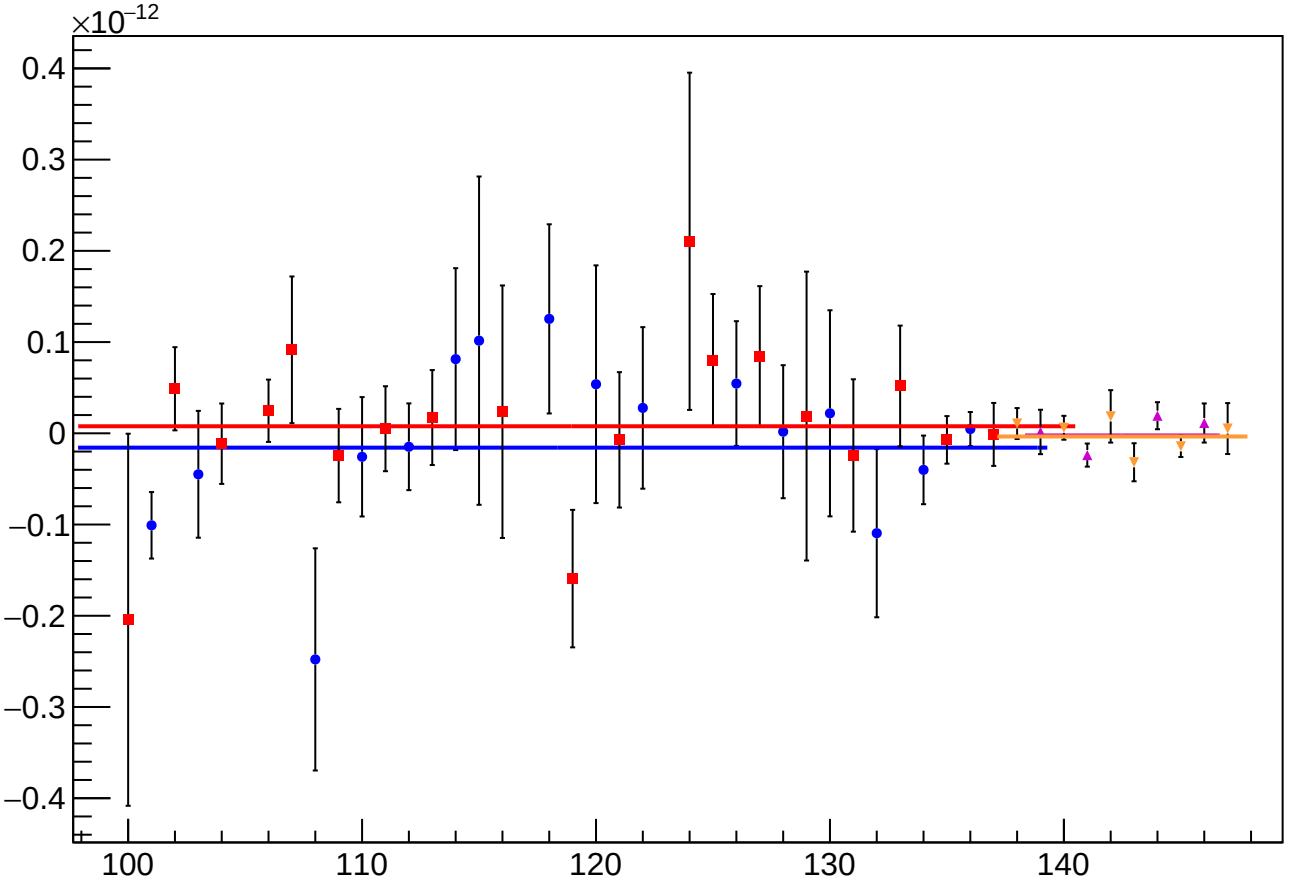
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 408.163+/-0.157 χ^2/NDF:225045.0/3

+ sign 509.613+/-0.110 χ^2/NDF: 1840208.9/21

All: 506.786+/-0.079 χ^2/NDF: 3685097.3/44

- sign 503.825+/-0.113 χ^2/NDF: 1843539.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

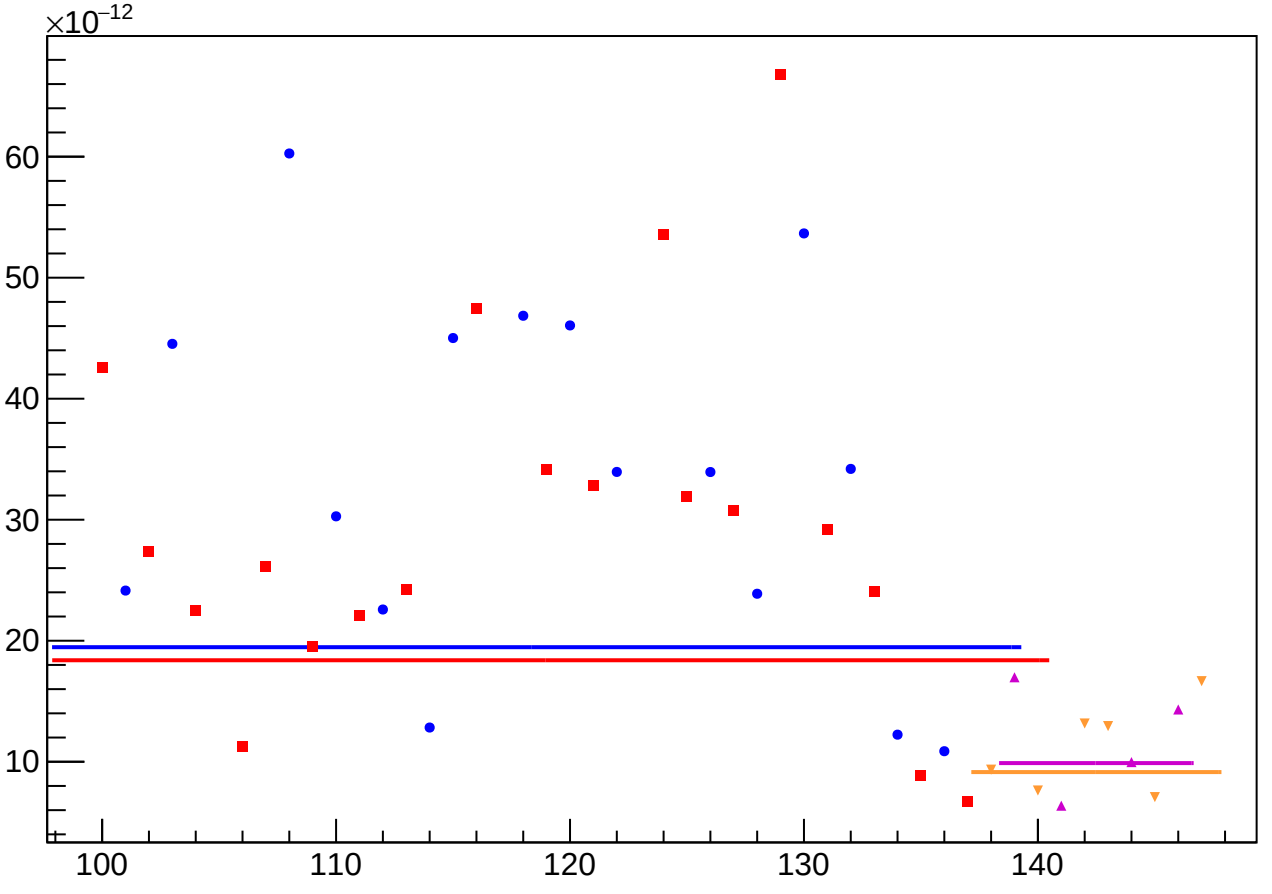
Left In: -0.000+/-0.000 χ^2/NDF:5.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.2/21

All: -0.000+/-0.000 χ^2/NDF: 41.7/44

- sign 0.000+/-0.000 χ^2/NDF: 18.9/22

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:339908.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

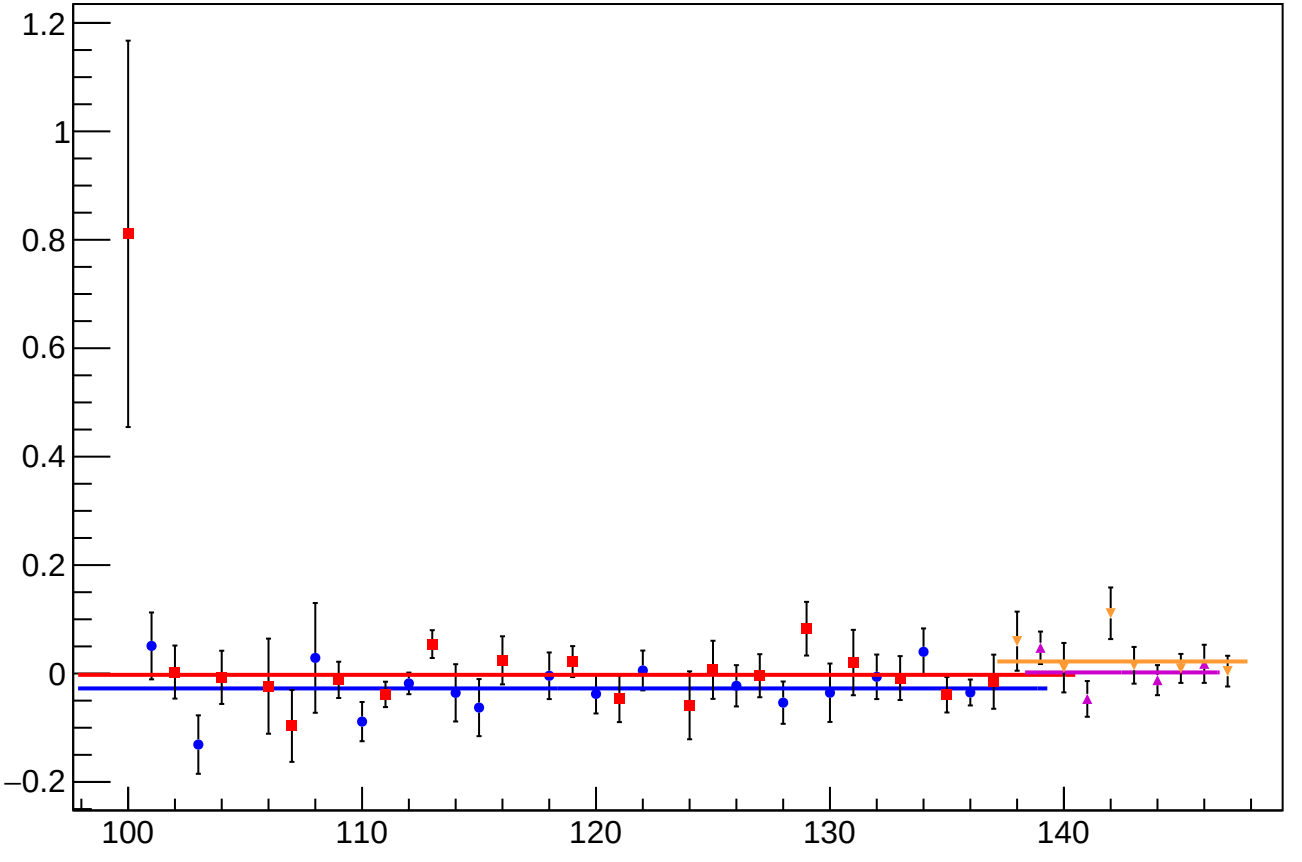
Left In: 0.000+/-0.000 χ^2/NDF:410105.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 3110872.8/21

All: 0.000+/-0.000 χ^2/NDF: 5662099.0/44

- sign 0.000+/-0.000 χ^2/NDF: 2523073.5/22

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: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

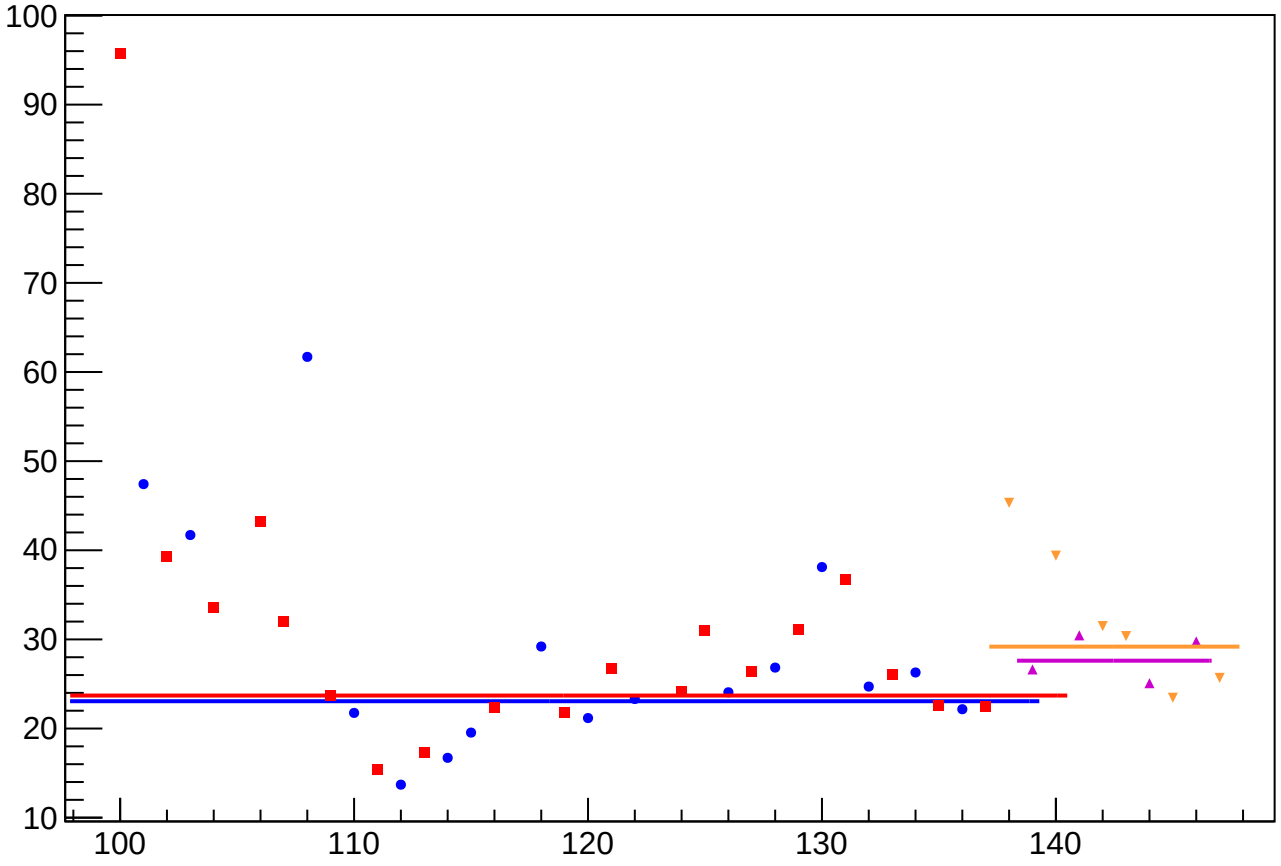
Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.007+/-0.006 χ^2/NDF: 54.8/44

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22

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: 29.190+/-0.010 χ^2/NDF:405105.8/5

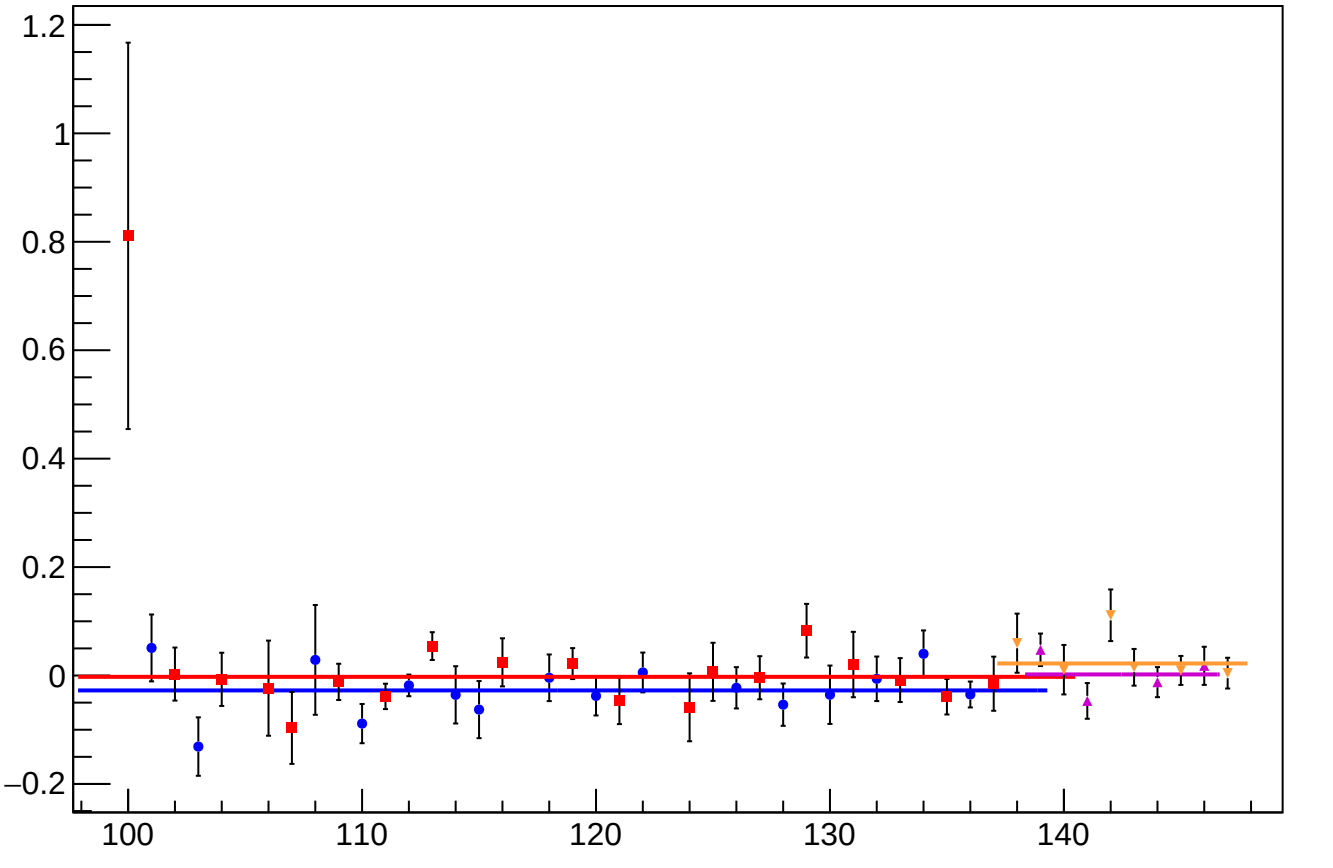
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

+ sign 24.881+/-0.006 χ^2/NDF: 2221518.4/21

All: 24.808+/-0.004 χ^2/NDF: 3444820.9/44

- sign 24.733+/-0.006 χ^2/NDF: 1222952.9/22



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

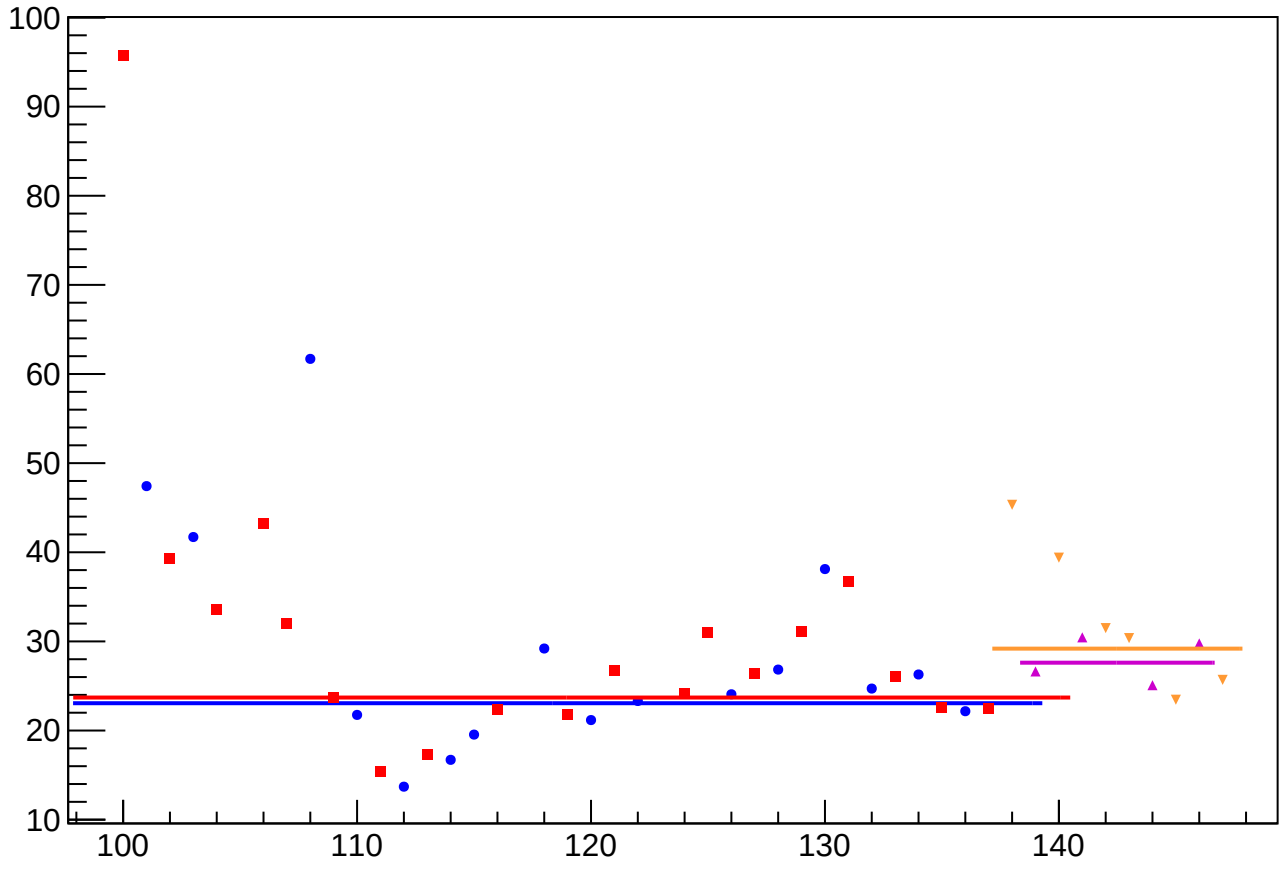
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.007+/-0.006 χ^2/NDF: 54.8/44

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

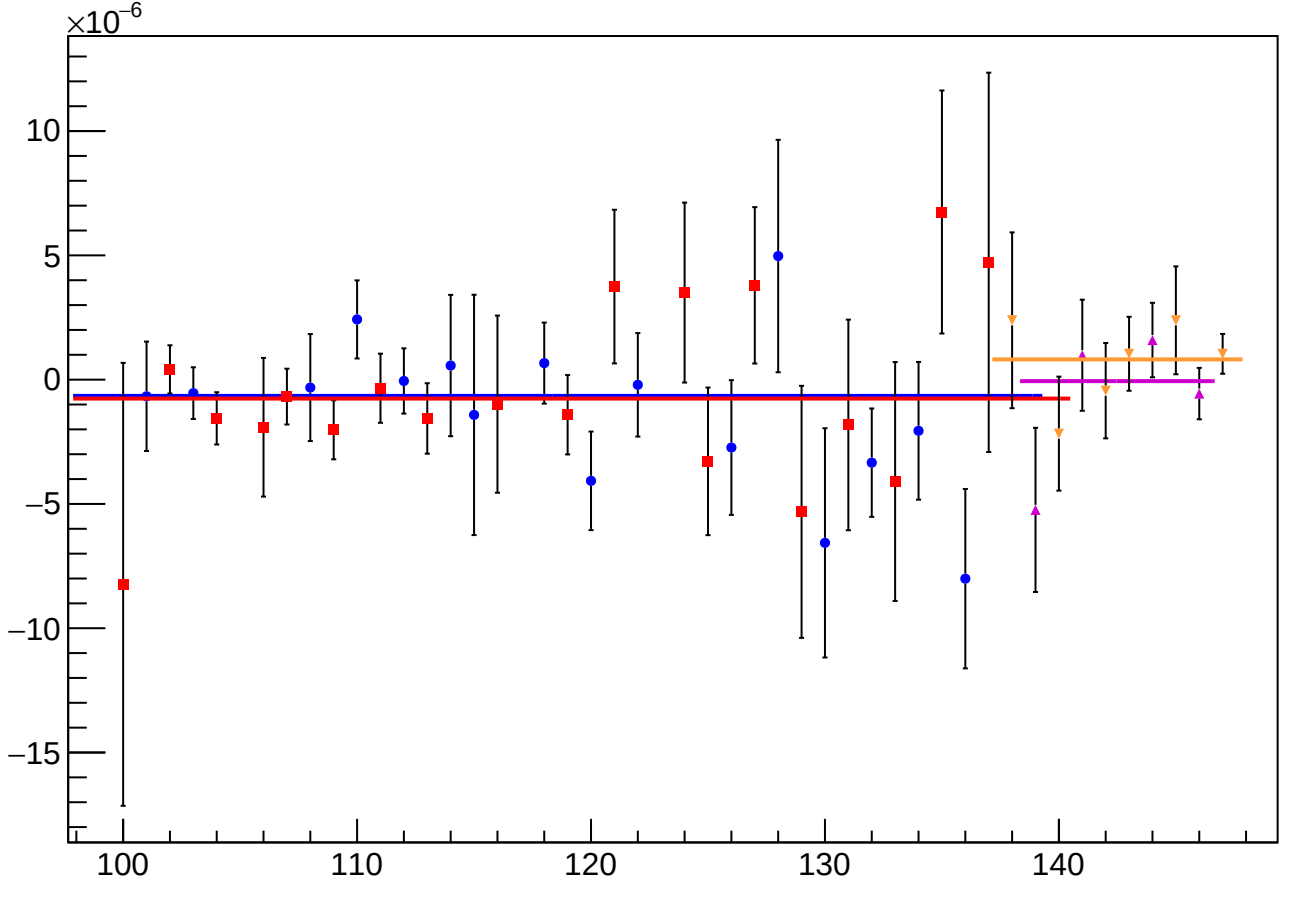
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

+ sign 24.881+/-0.006 χ^2/NDF: 2221518.4/21

All: 24.808+/-0.004 χ^2/NDF: 3444820.9/44

- sign 24.733+/-0.006 χ^2/NDF: 1222952.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/5

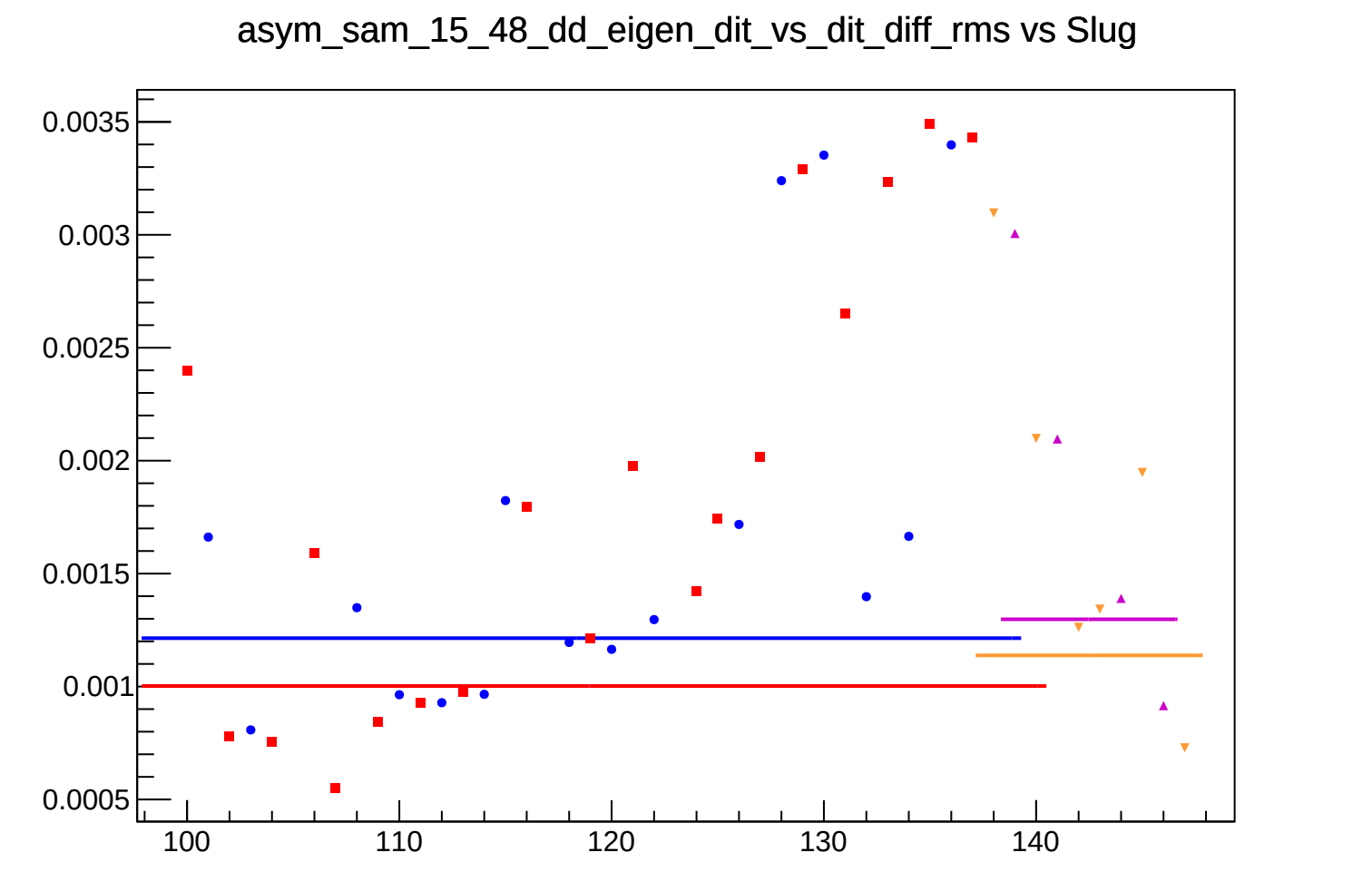
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

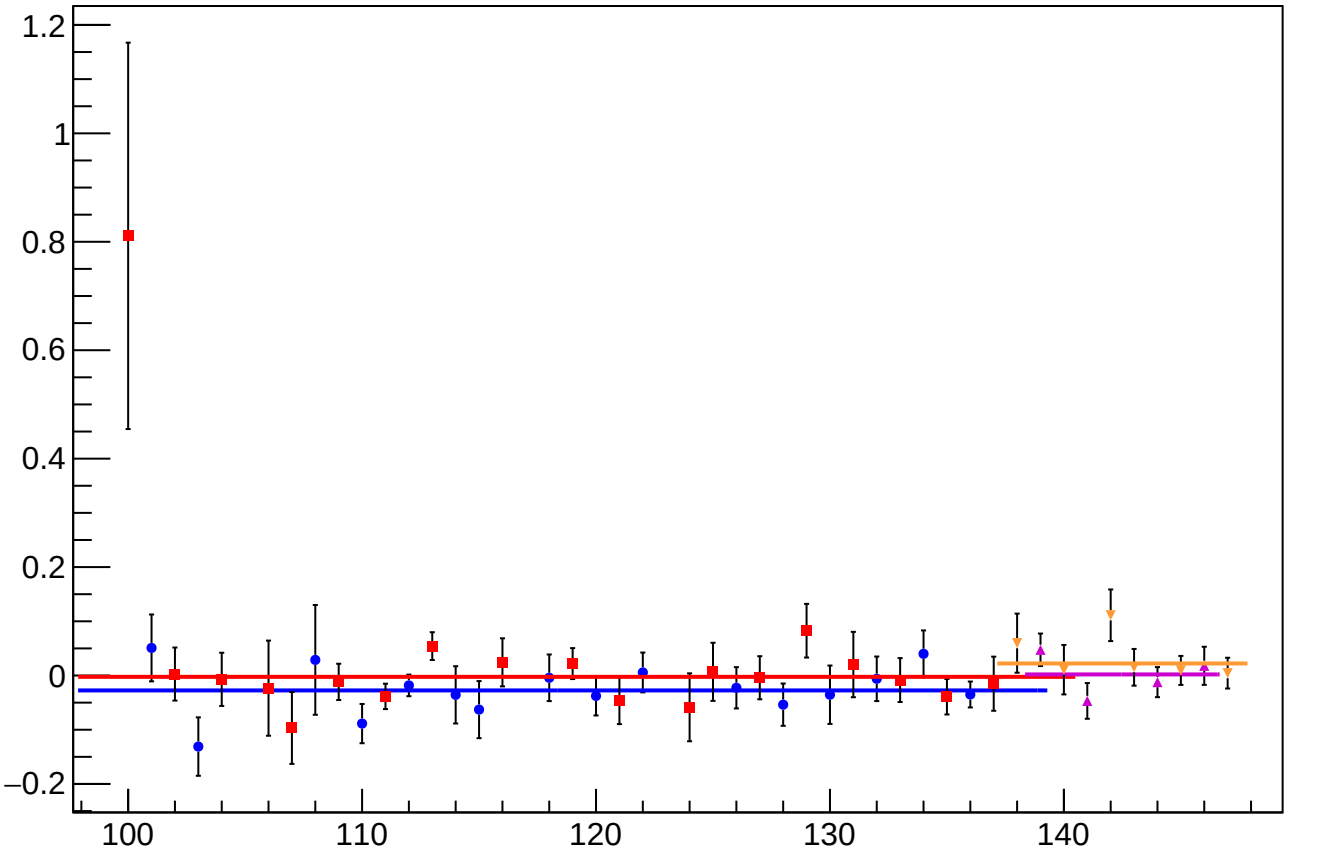
Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/21

All: -0.000+/-0.000 χ^2/NDF: 45.0/44

- sign -0.000+/-0.000 χ^2/NDF: 19.9/22


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1811641.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:1071873.9/3
+ sign 0.001+/-0.000 χ²/NDF: 4098009.6/21
All: 0.001+/-0.000 χ²/NDF: 8764227.9/44
- sign 0.001+/-0.000 χ²/NDF: 4574977.4/22



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

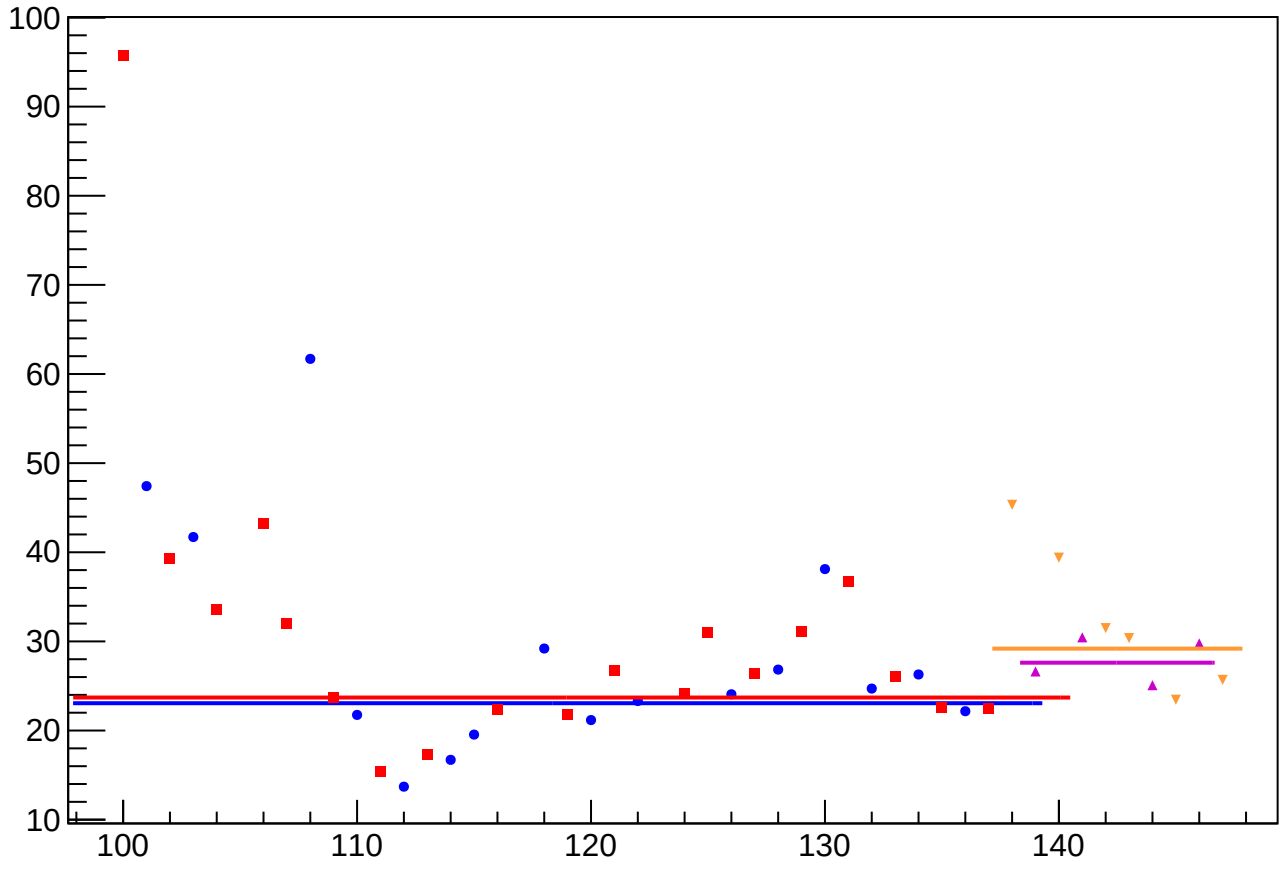
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.007+/-0.006 χ^2/NDF: 54.8/44

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

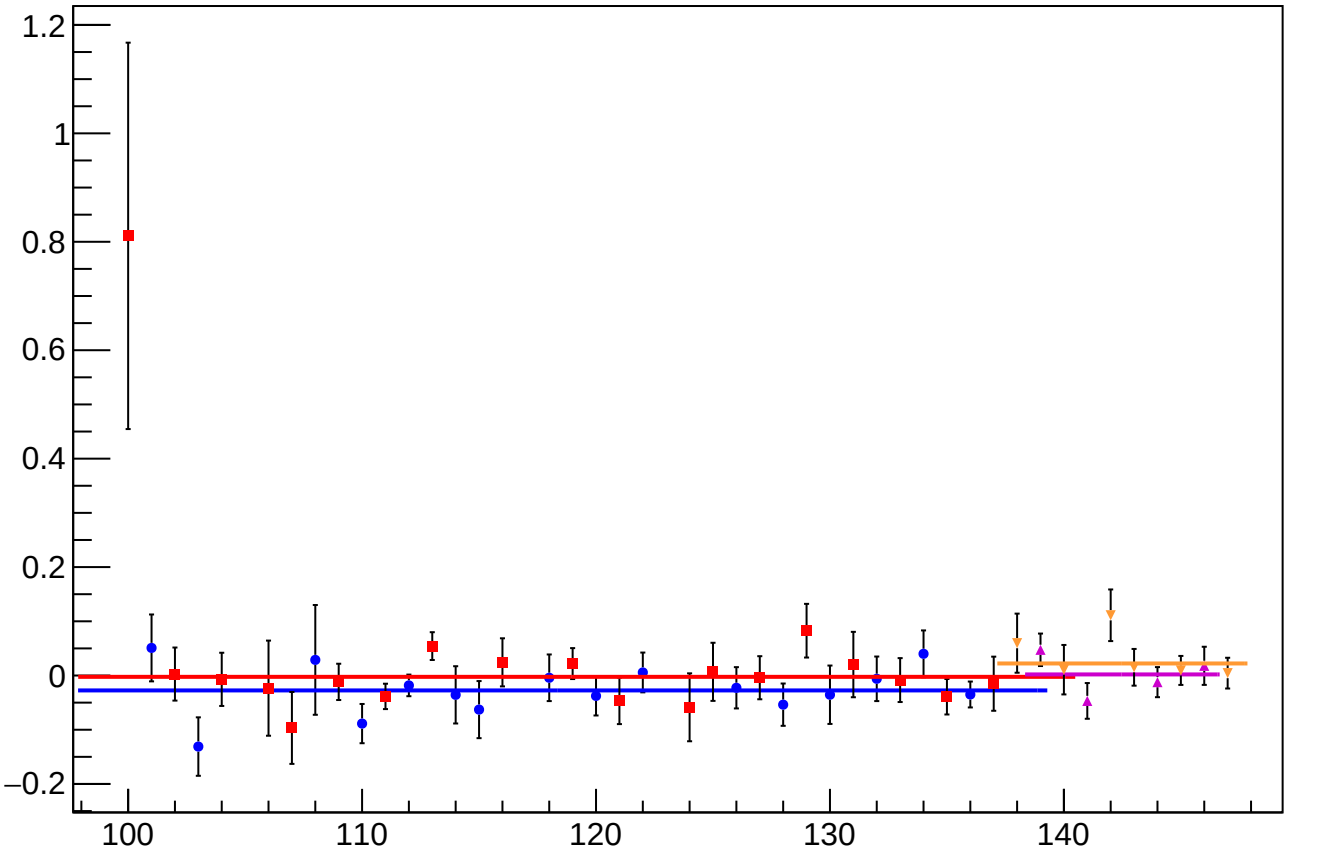
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

+ sign 24.881+/-0.006 χ^2/NDF: 2221534.0/21

All: 24.807+/-0.004 χ^2/NDF: 3444888.9/44

- sign 24.732+/-0.006 χ^2/NDF: 1223004.8/22



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

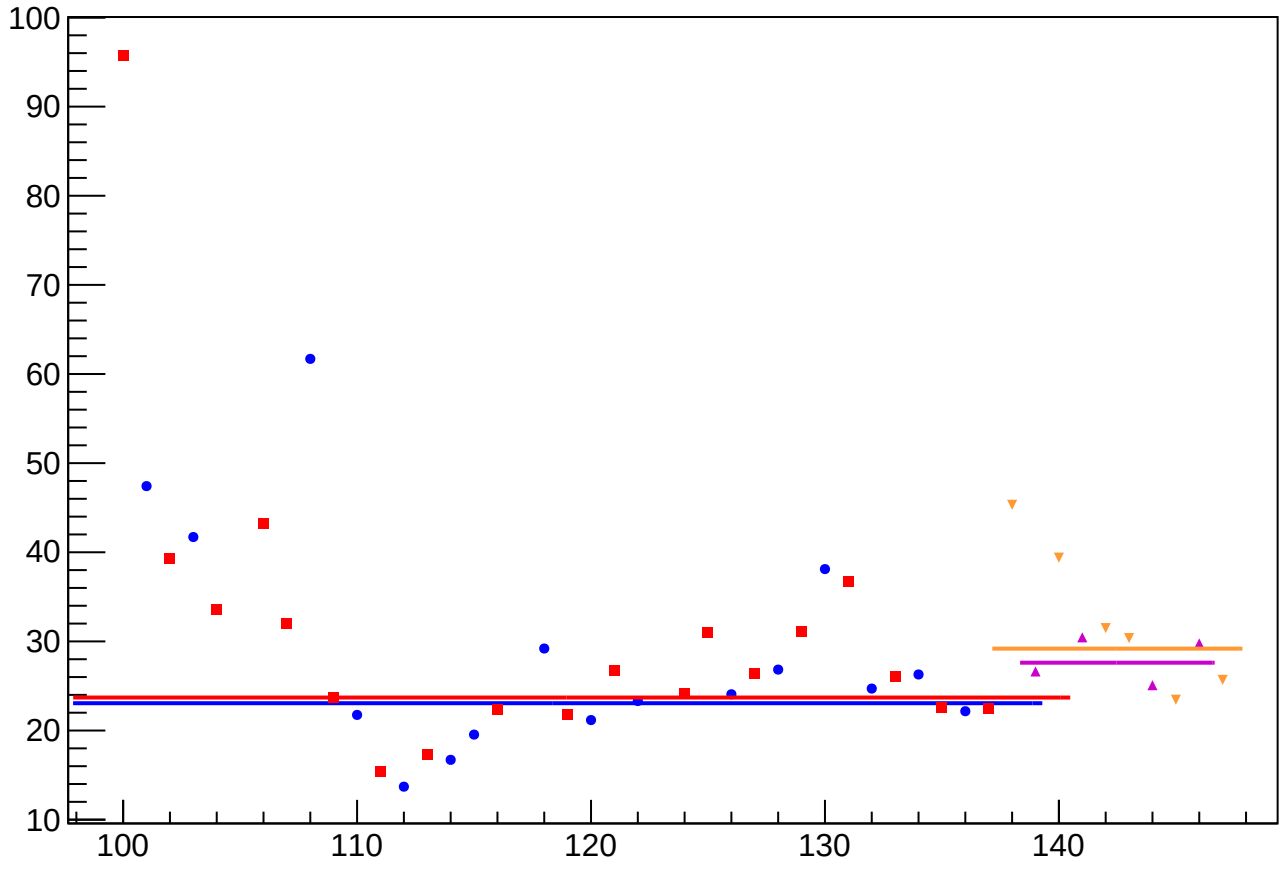
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.007+/-0.006 χ^2/NDF: 54.8/44

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

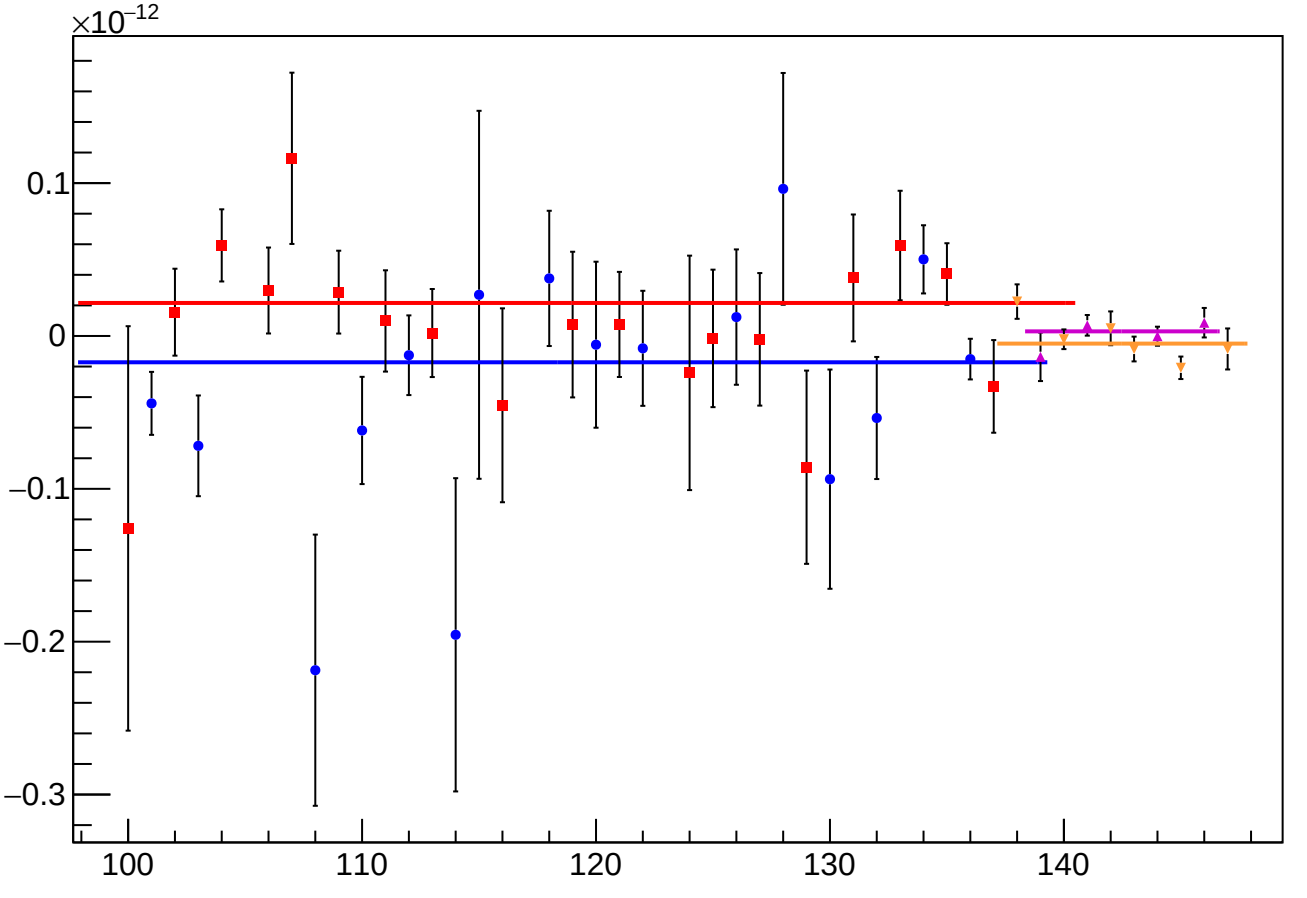
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

+ sign 24.881+/-0.006 χ^2/NDF: 2221534.0/21

All: 24.807+/-0.004 χ^2/NDF: 3444888.9/44

- sign 24.732+/-0.006 χ^2/NDF: 1223004.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/5

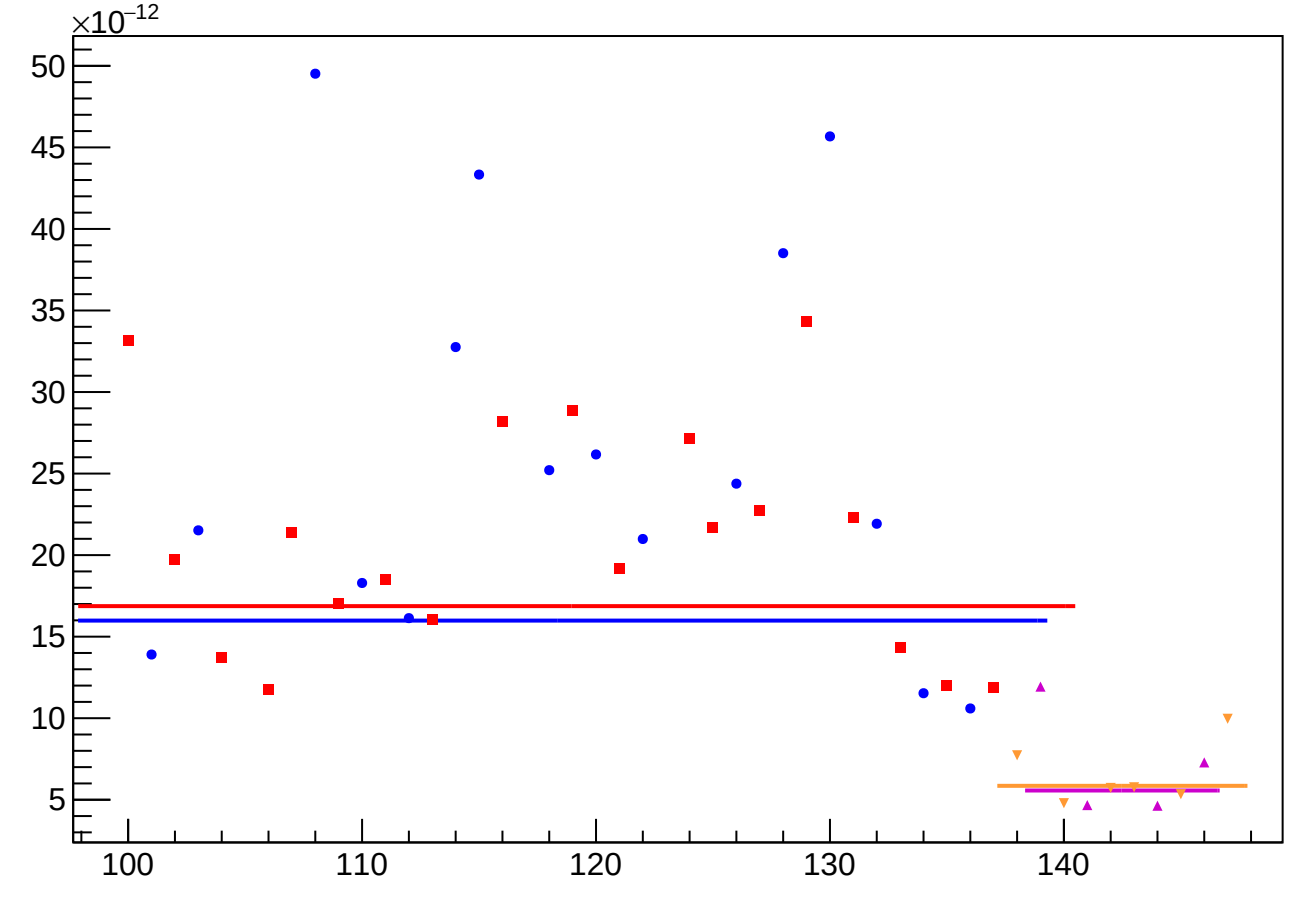
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/3

\+ sign -0.000+/-0.000 χ^2/NDF: 43.8/21

All: -0.000+/-0.000 χ^2/NDF: 76.6/44

\- sign 0.000+/-0.000 χ^2/NDF: 24.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:307624.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

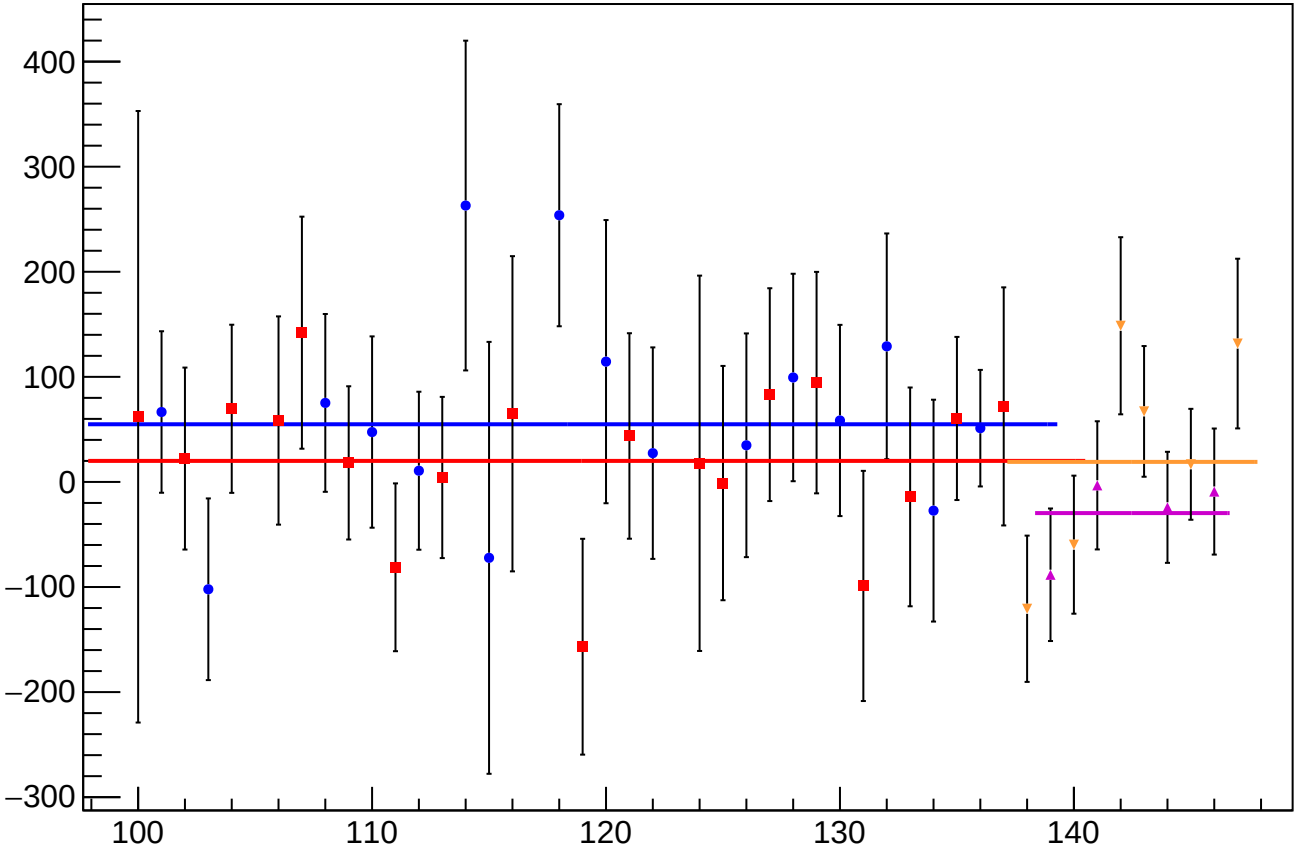
Left In: 0.000+/-0.000 χ^2/NDF:465202.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4888533.6/21

All: 0.000+/-0.000 χ^2/NDF: 9459771.0/44

- sign 0.000+/-0.000 χ^2/NDF: 4564755.3/22

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.083+/-27.217 χ^2/NDF:10.4/5

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

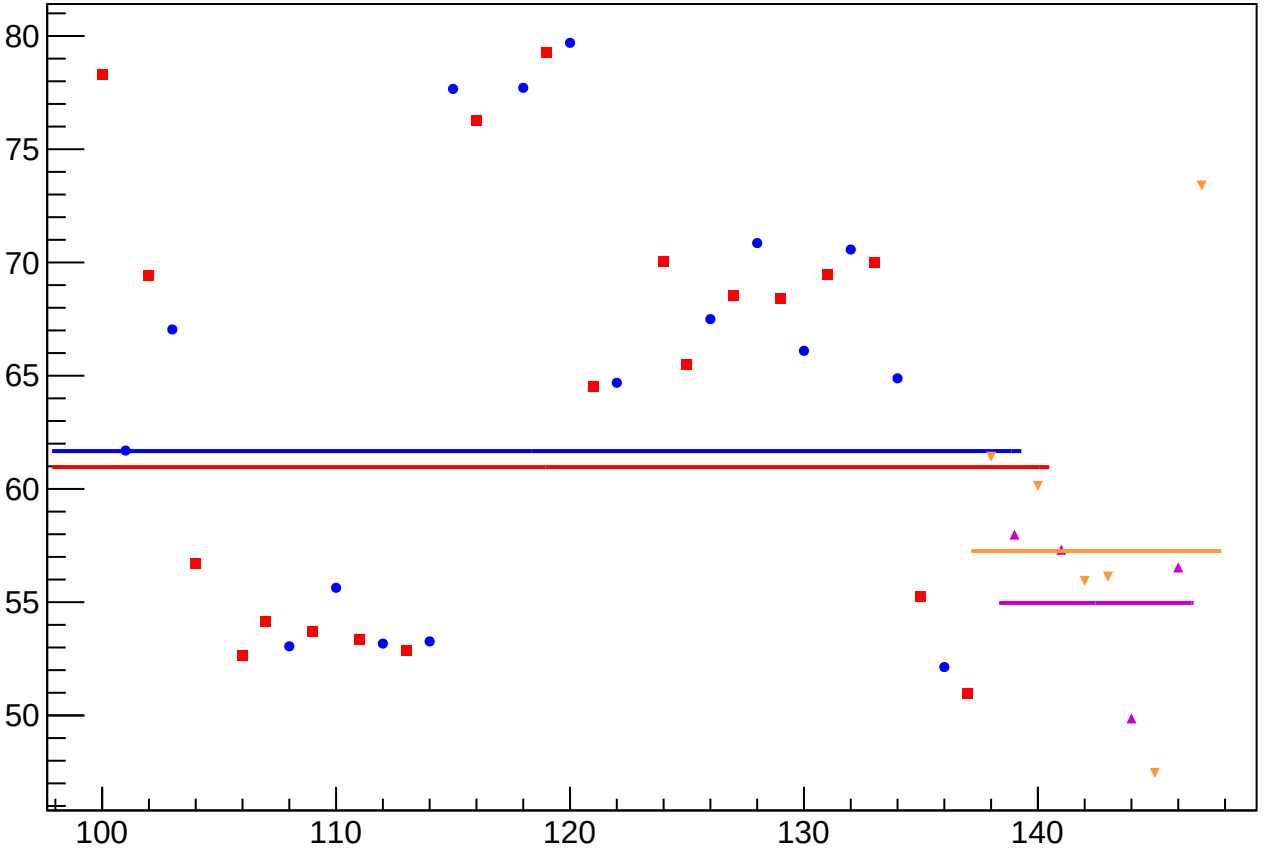
Left In: -29.646+/-29.408 χ^2/NDF:1.2/3

+ sign 39.834+/-17.647 χ^2/NDF: 22.4/21

All: 20.999+/-12.568 χ^2/NDF: 36.9/44

- sign 1.608+/-17.905 χ^2/NDF: 12.2/22

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

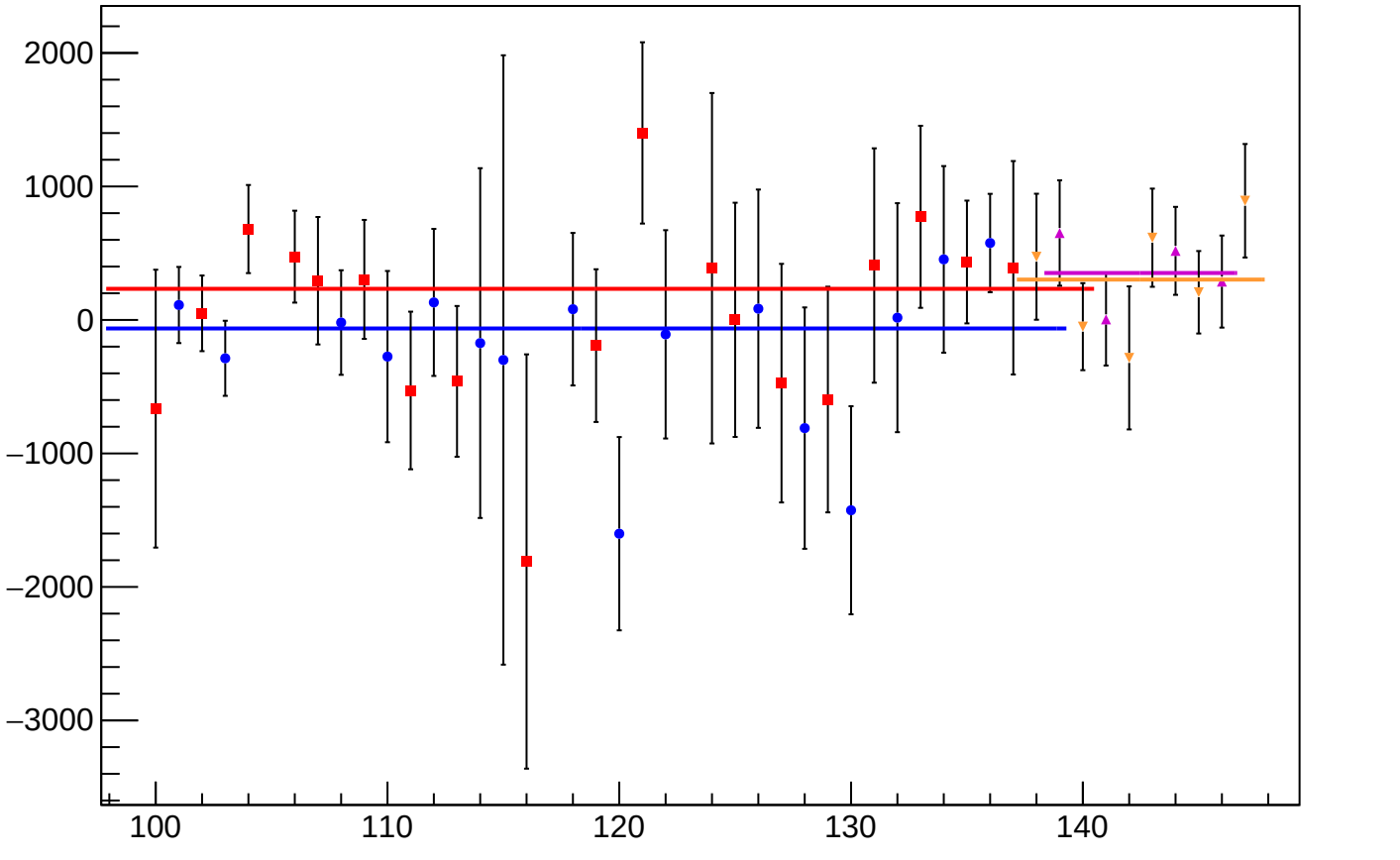
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.818+/-0.012 χ^2/NDF: 458506.4/21

All: 59.288+/-0.009 χ^2/NDF: 826261.4/44

- sign 58.743+/-0.013 χ^2/NDF: 364094.0/22



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 302.416+/-156.597 χ^2/NDF:5.3/5

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

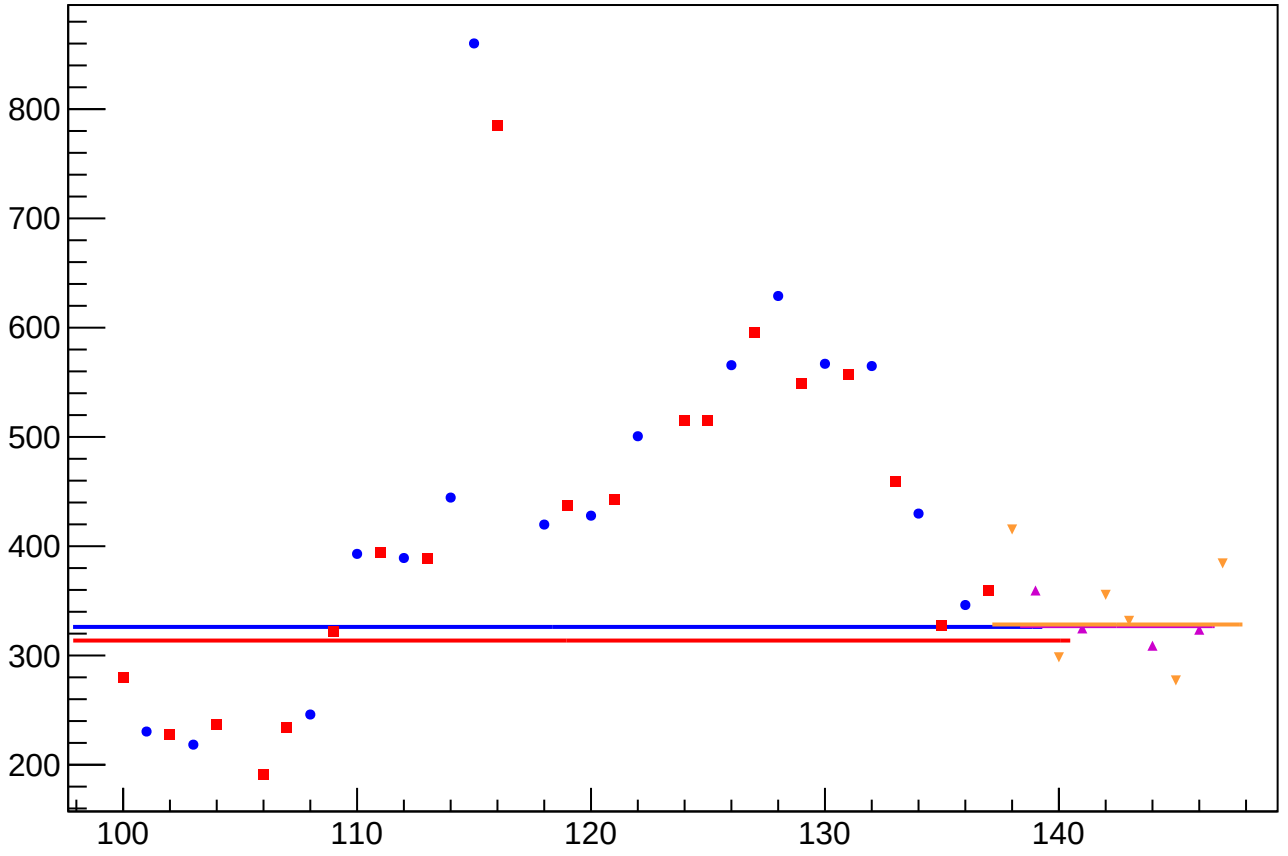
Left In: 351.755+/-175.665 χ^2/NDF:1.9/3

+ sign 85.149+/-99.876 χ^2/NDF: 21.7/21

All: 177.920+/-70.892 χ^2/NDF: 40.1/44

- sign 272.118+/-100.641 χ^2/NDF: 16.7/22

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 328.369+/-0.111 χ^2/NDF:179644.8/5

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

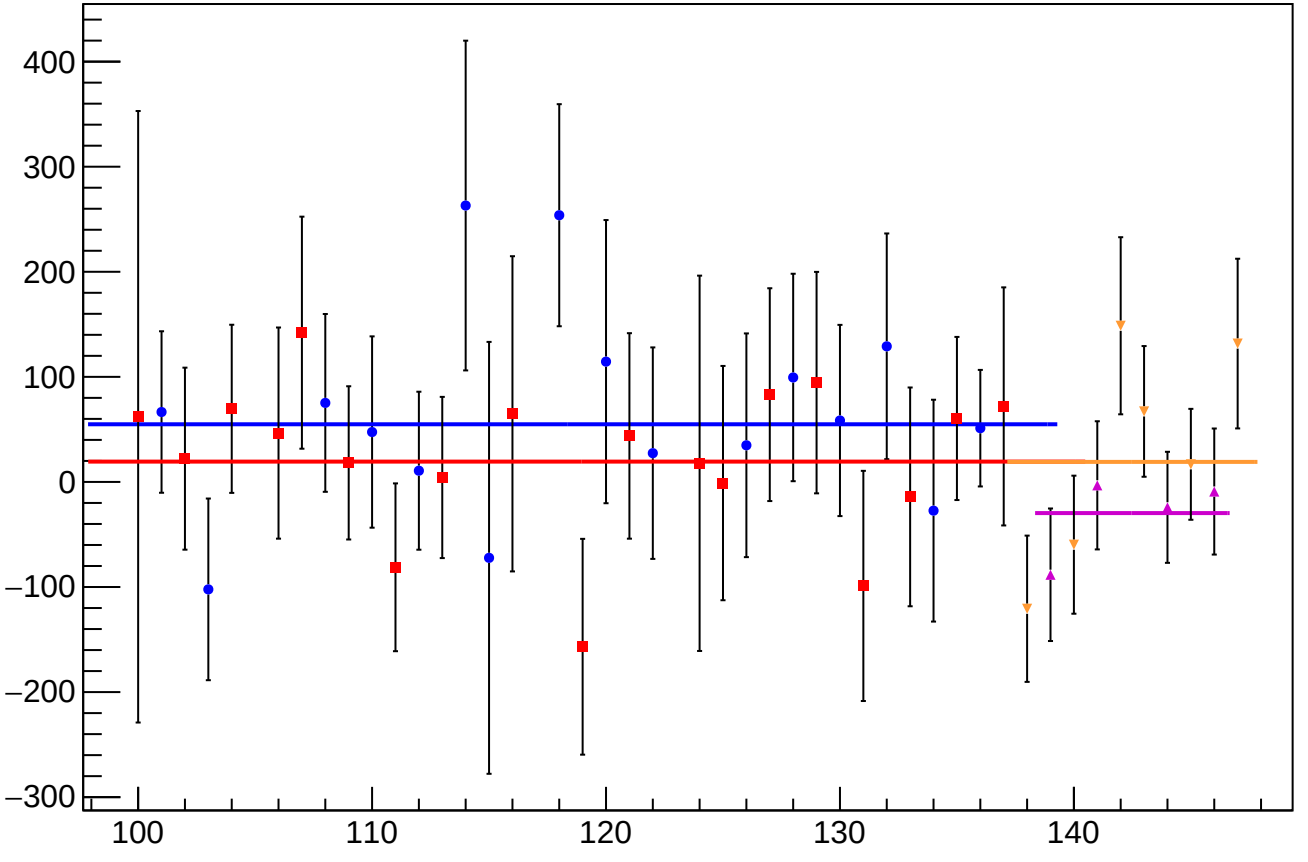
Left In: 326.860+/-0.124 χ^2/NDF:19826.5/3

+ sign 327.051+/-0.071 χ^2/NDF: 1913879.1/21

All: 322.561+/-0.050 χ^2/NDF: 3736774.1/44

- sign 318.001+/-0.071 χ^2/NDF: 1814746.5/22

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.075+/-27.217 χ^2/NDF:10.4/5

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

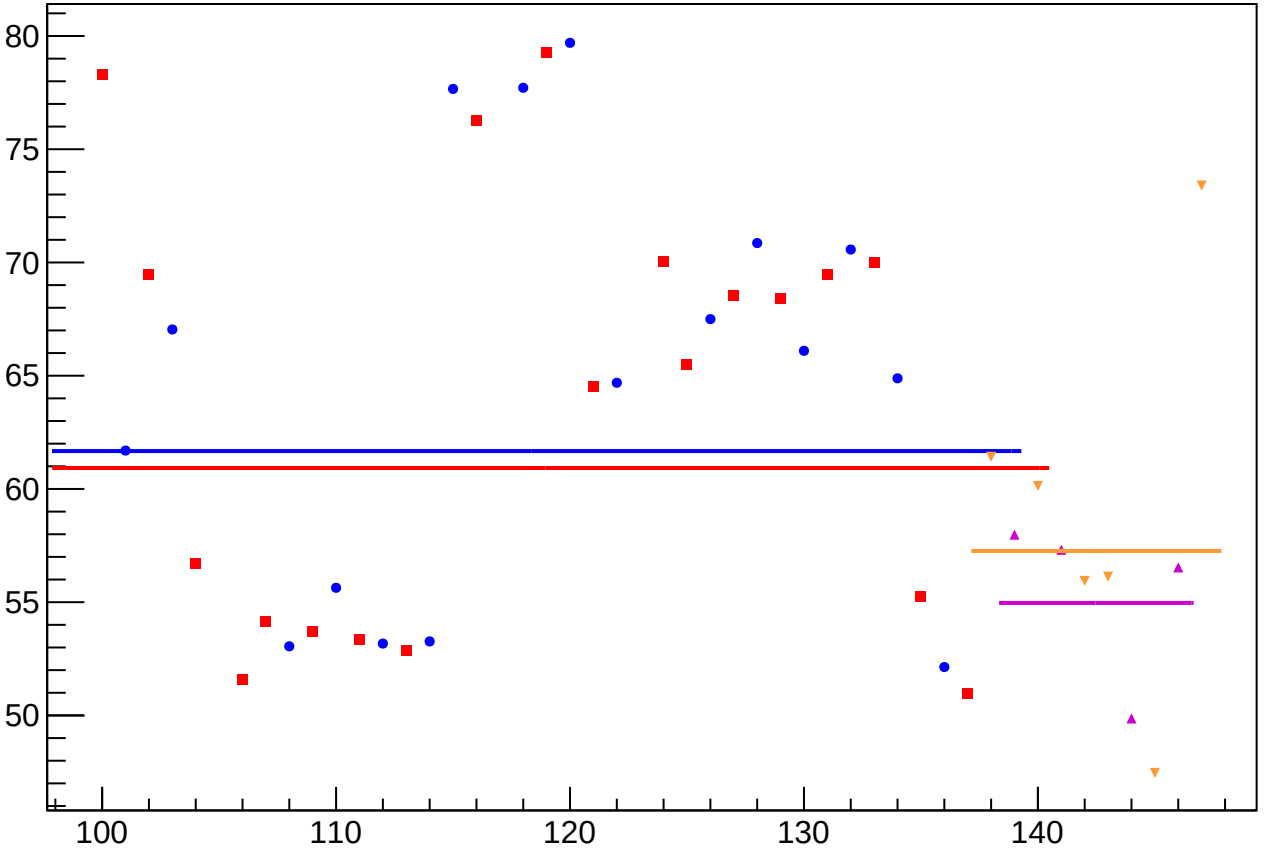
Left In: -29.639+/-29.408 χ^2/NDF:1.2/3

+ sign 39.827+/-17.647 χ^2/NDF: 22.4/21

All: 20.790+/-12.571 χ^2/NDF: 36.8/44

- sign 1.174+/-17.913 χ^2/NDF: 12.1/22

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

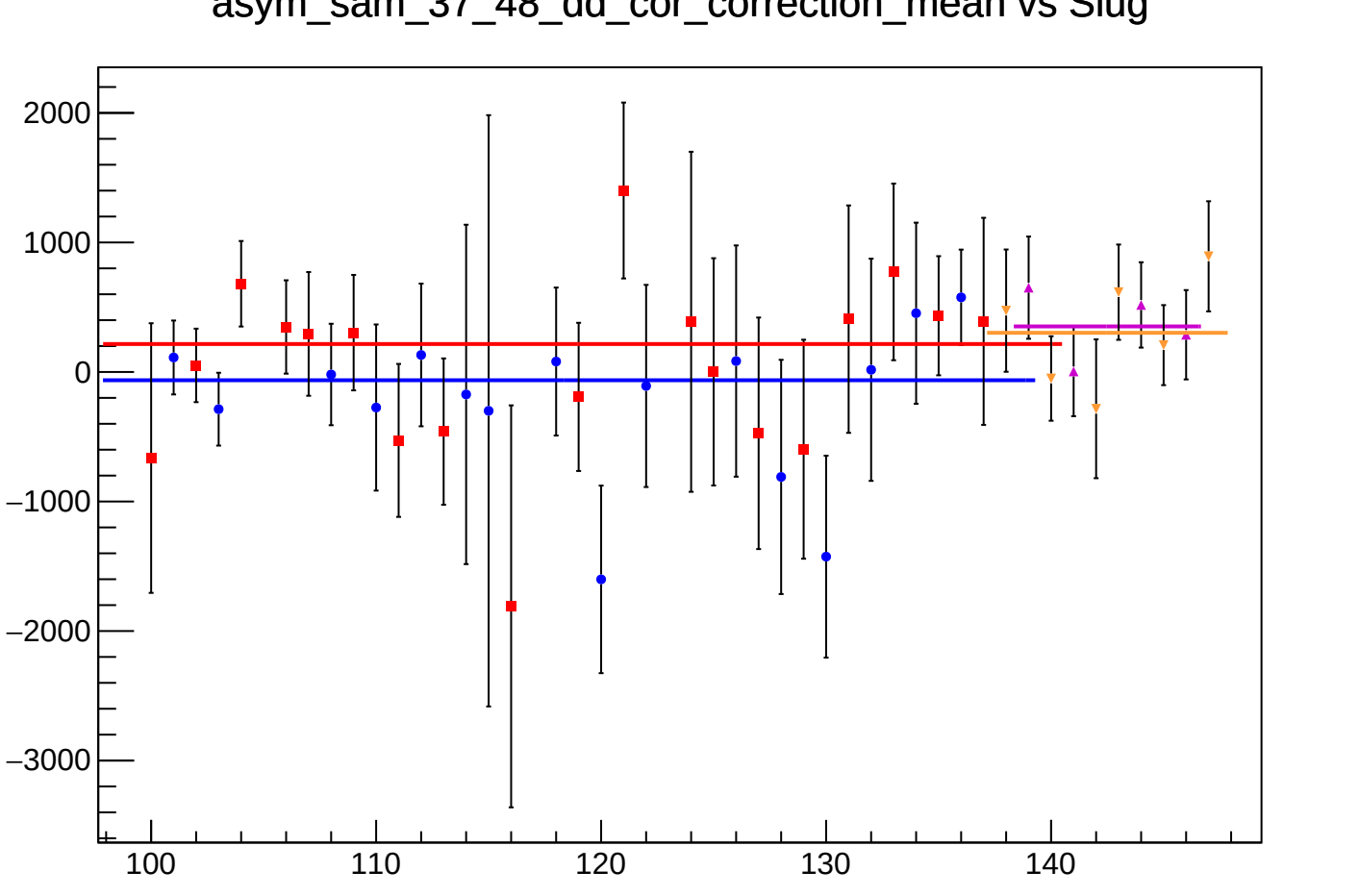
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.818+/-0.012 χ^2/NDF: 458506.7/21

All: 59.275+/-0.009 χ^2/NDF: 829109.1/44

- sign 58.715+/-0.013 χ^2/NDF: 366752.2/22



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

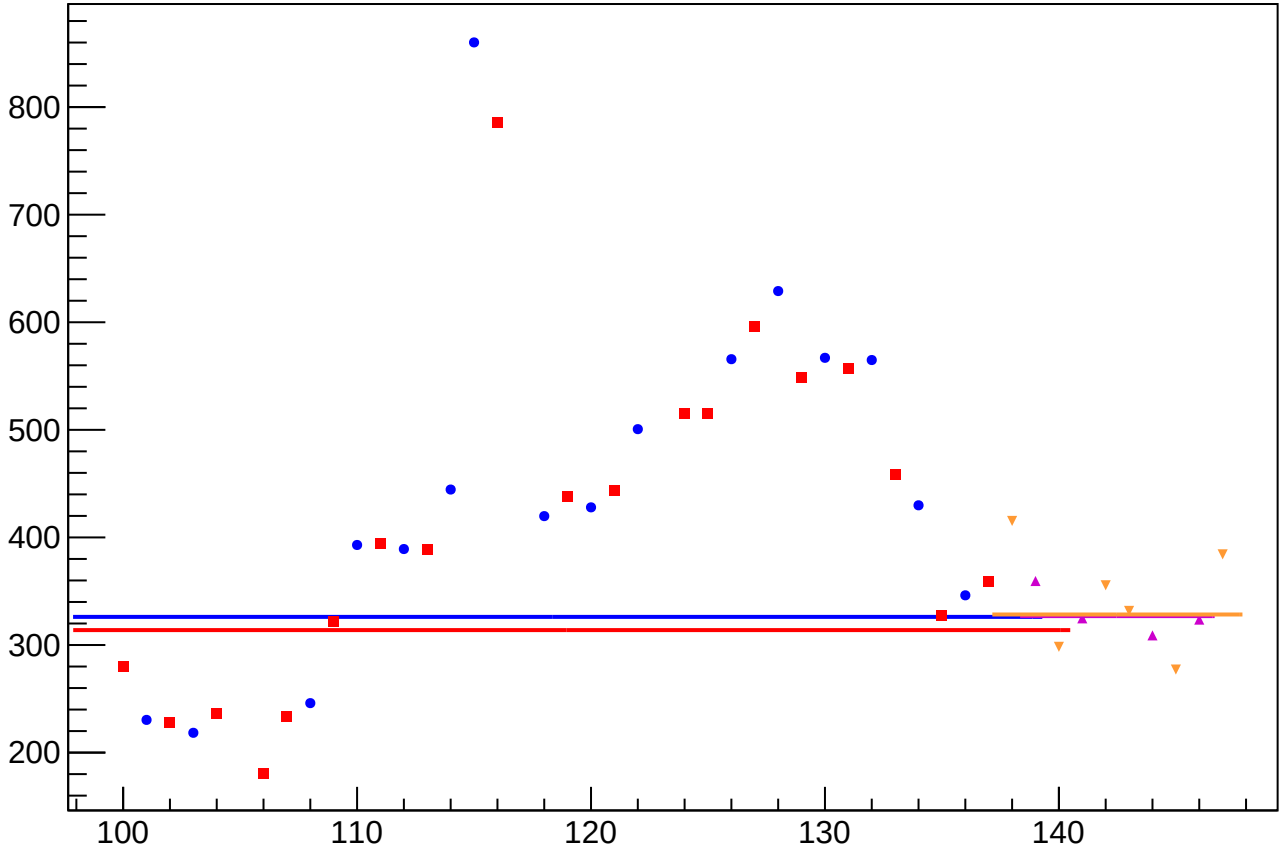
Left In: 351.760+/-175.665 χ^2/NDF:1.9/3

+ sign 85.156+/-99.877 χ^2/NDF: 21.7/21

All: 171.994+/-71.026 χ^2/NDF: 39.6/44

- sign 260.843+/-101.026 χ^2/NDF: 16.4/22

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

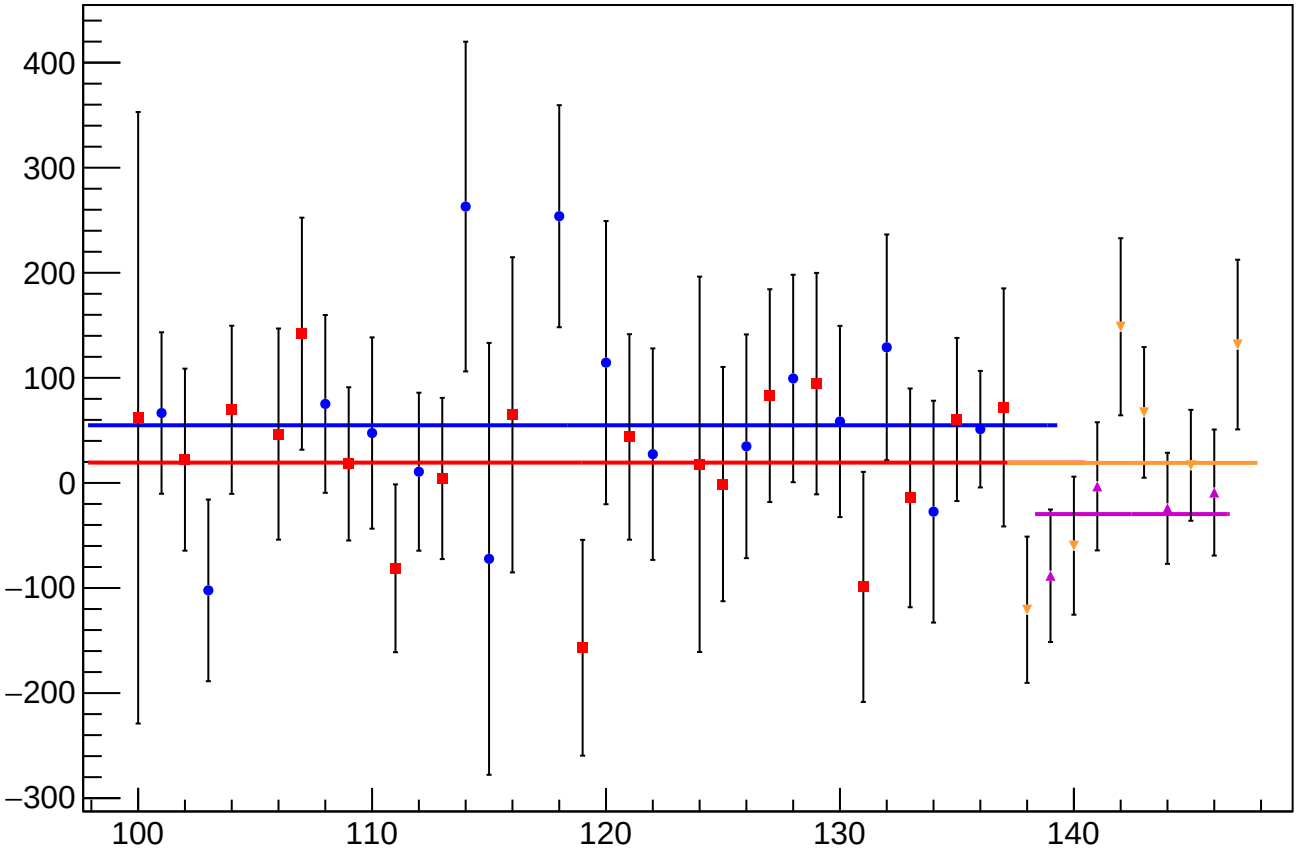
Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

+ sign 327.053+/-0.071 χ^2/NDF: 1913819.3/21

All: 322.658+/-0.050 χ^2/NDF: 3754591.2/44

- sign 318.160+/-0.071 χ^2/NDF: 1832935.7/22

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.075+/-27.217 χ^2/NDF:10.4/5

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

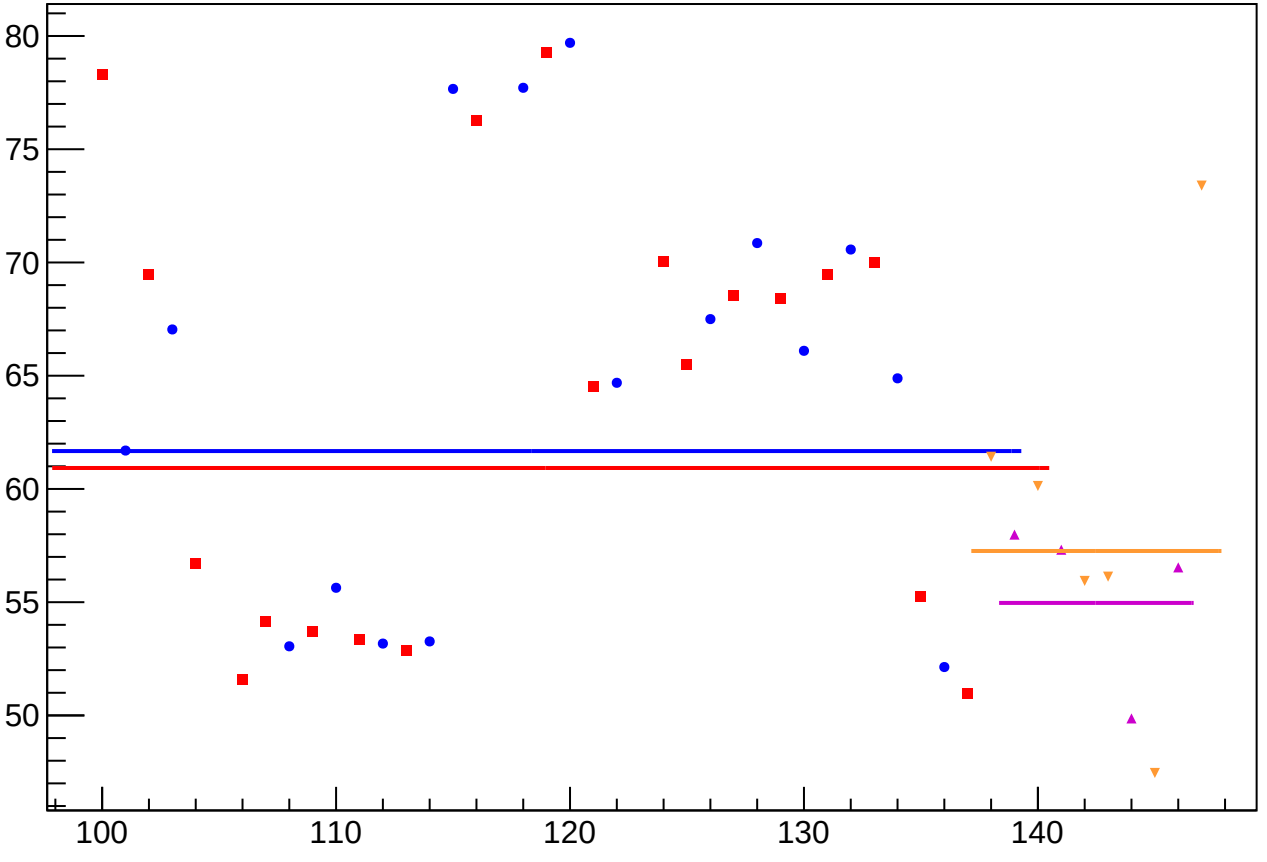
Left In: -29.639+/-29.408 χ^2/NDF:1.2/3

+ sign 39.827+/-17.647 χ^2/NDF: 22.4/21

All: 20.790+/-12.571 χ^2/NDF: 36.8/44

- sign 1.174+/-17.913 χ^2/NDF: 12.1/22

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

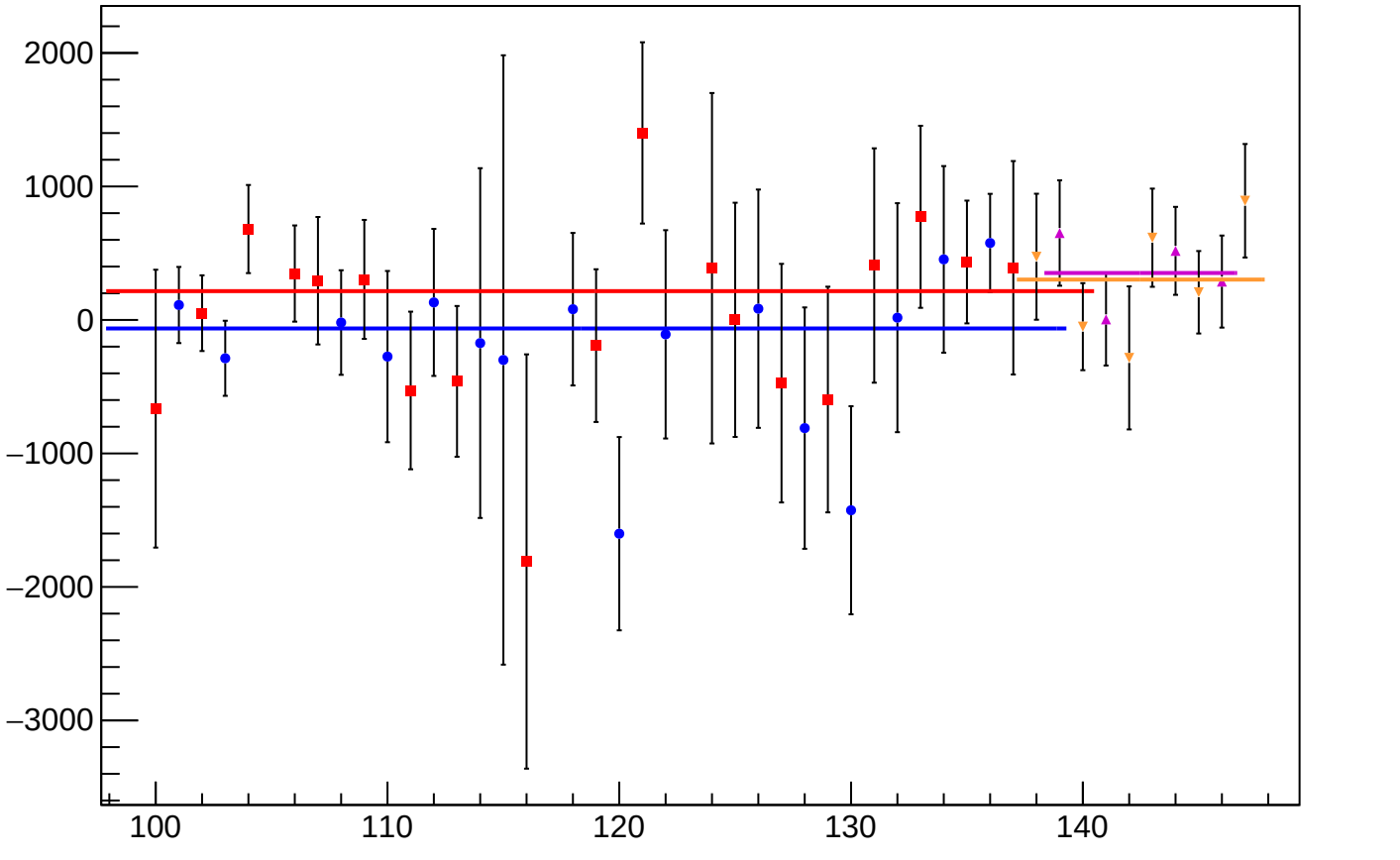
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.818+/-0.012 χ^2/NDF: 458506.7/21

All: 59.275+/-0.009 χ^2/NDF: 829109.1/44

- sign 58.715+/-0.013 χ^2/NDF: 366752.2/22



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

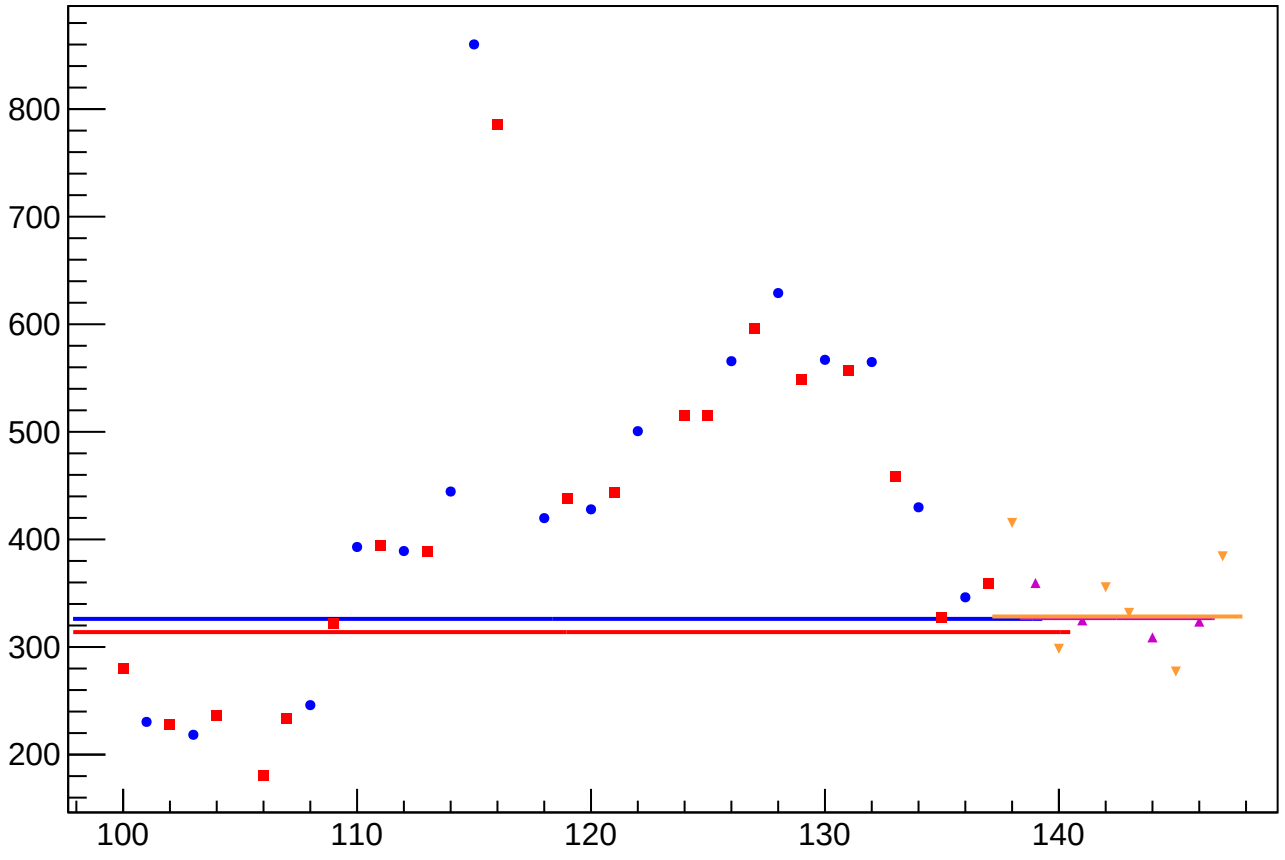
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 351.760+/-175.665 χ^2/NDF:1.9/3

+ sign 85.156+/-99.877 χ^2/NDF: 21.7/21

All: 171.994+/-71.026 χ^2/NDF: 39.6/44

- sign 260.843+/-101.026 χ^2/NDF: 16.4/22



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

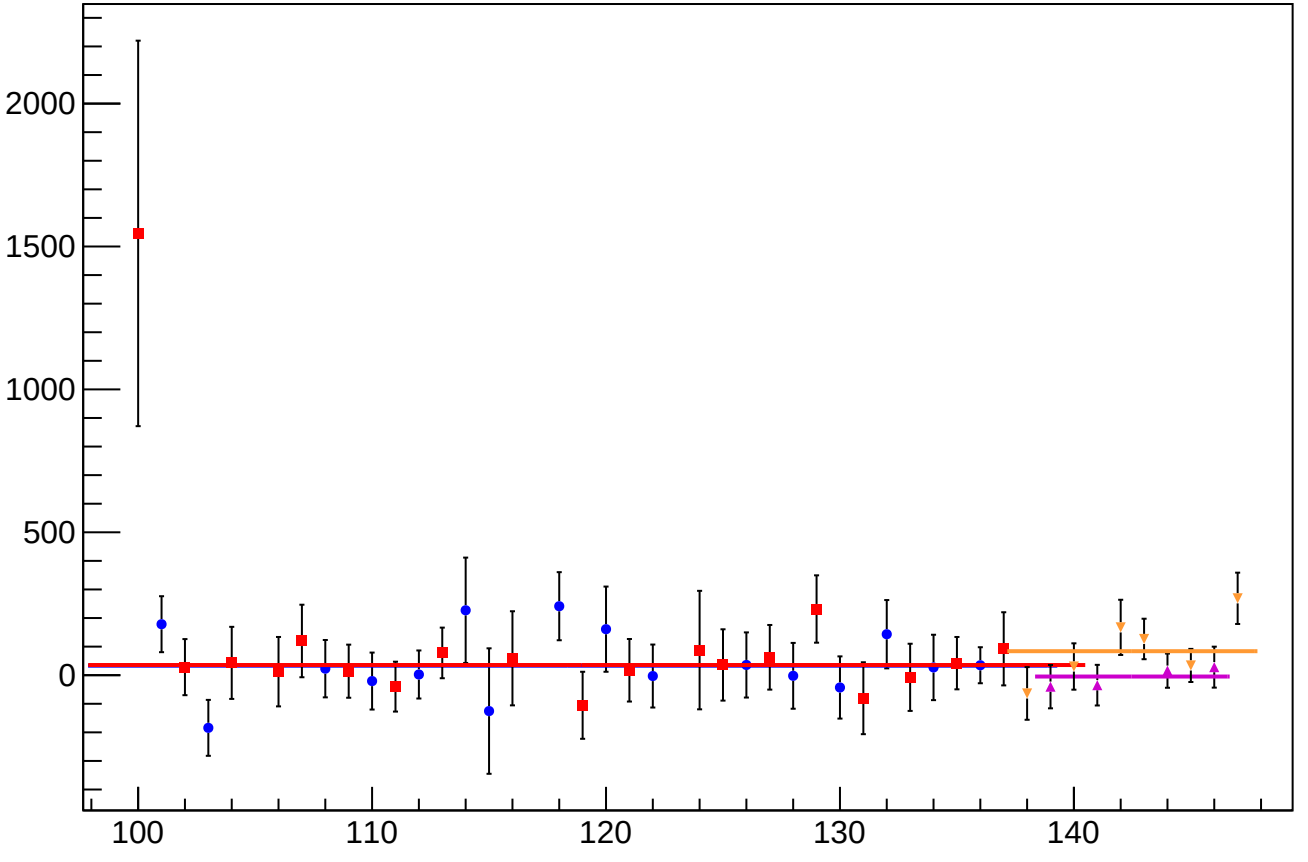
Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

+ sign 327.053+/-0.071 χ^2/NDF: 1913819.3/21

All: 322.658+/-0.050 χ^2/NDF: 3754591.2/44

- sign 318.160+/-0.071 χ^2/NDF: 1832935.7/22

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

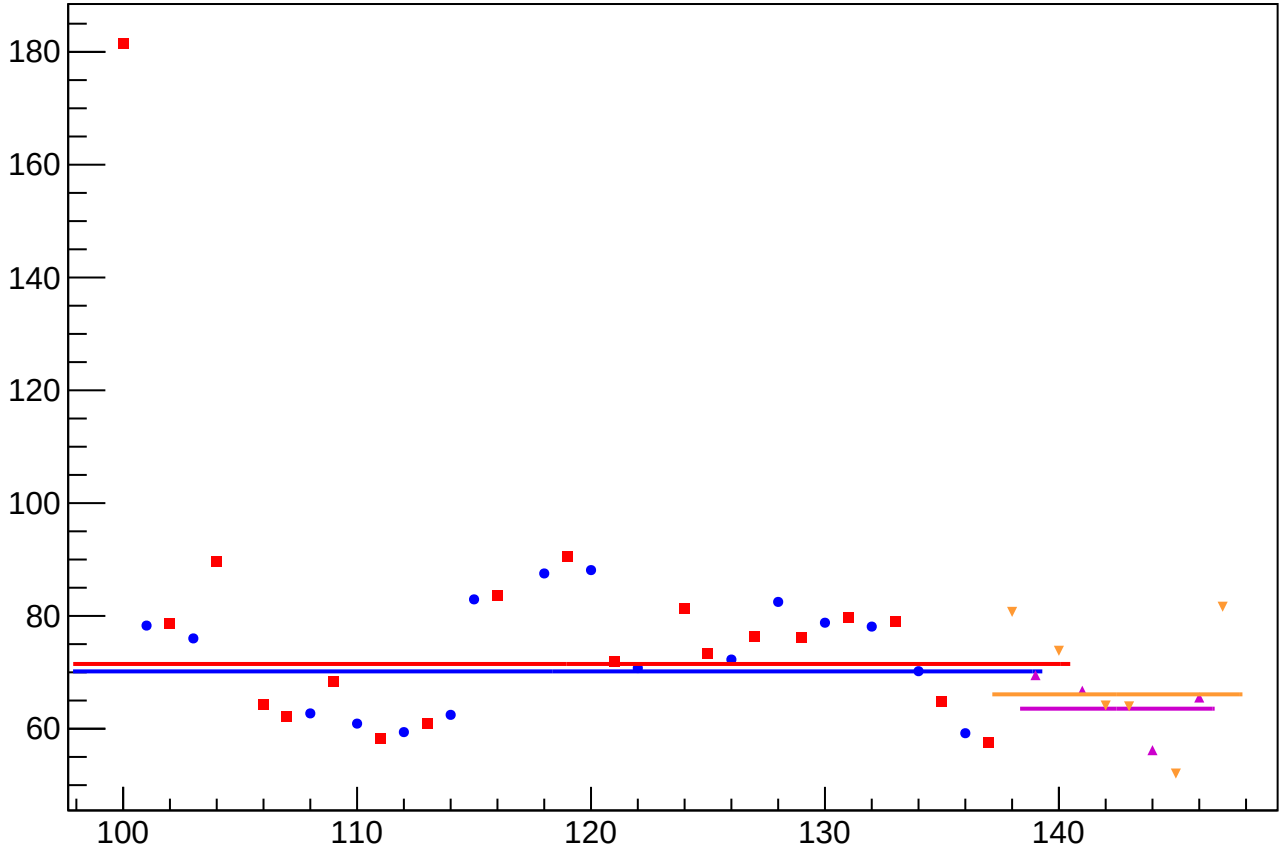
Left In: -4.676+/-34.393 χ^2/NDF:0.7/3

+ sign 54.169+/-20.278 χ^2/NDF: 25.2/21

All: 37.958+/-14.591 χ^2/NDF: 40.2/44

- sign 20.556+/-21.010 χ^2/NDF: 13.7/22

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 66.096+/-0.022 χ^2/NDF:248671.0/5

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

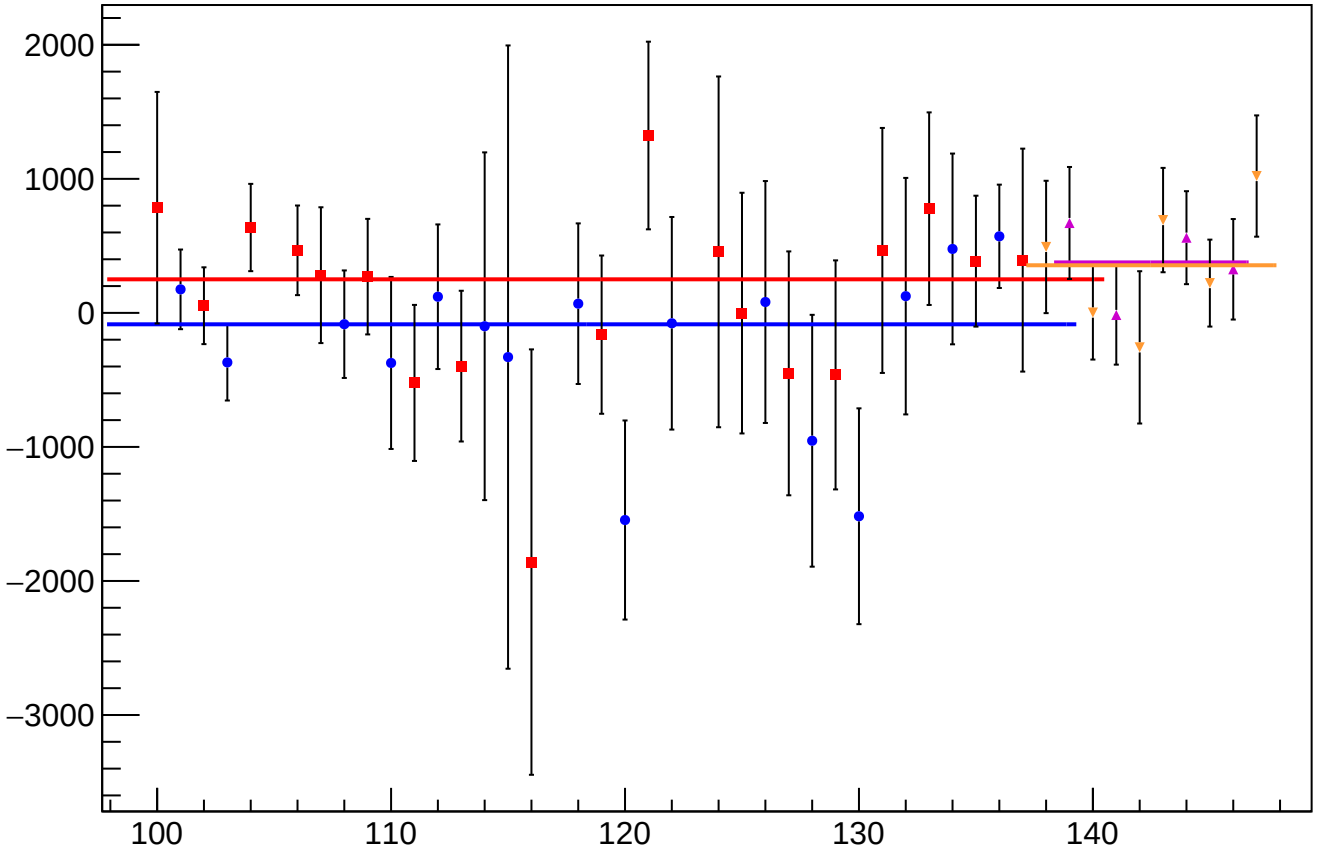
Left In: 63.555+/-0.024 χ^2/NDF:48030.3/3

+ sign 68.495+/-0.014 χ^2/NDF: 537431.3/21

All: 68.510+/-0.010 χ^2/NDF: 977796.9/44

- sign 68.525+/-0.015 χ^2/NDF: 440363.7/22

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.901 χ^2/NDF:5.3/5

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

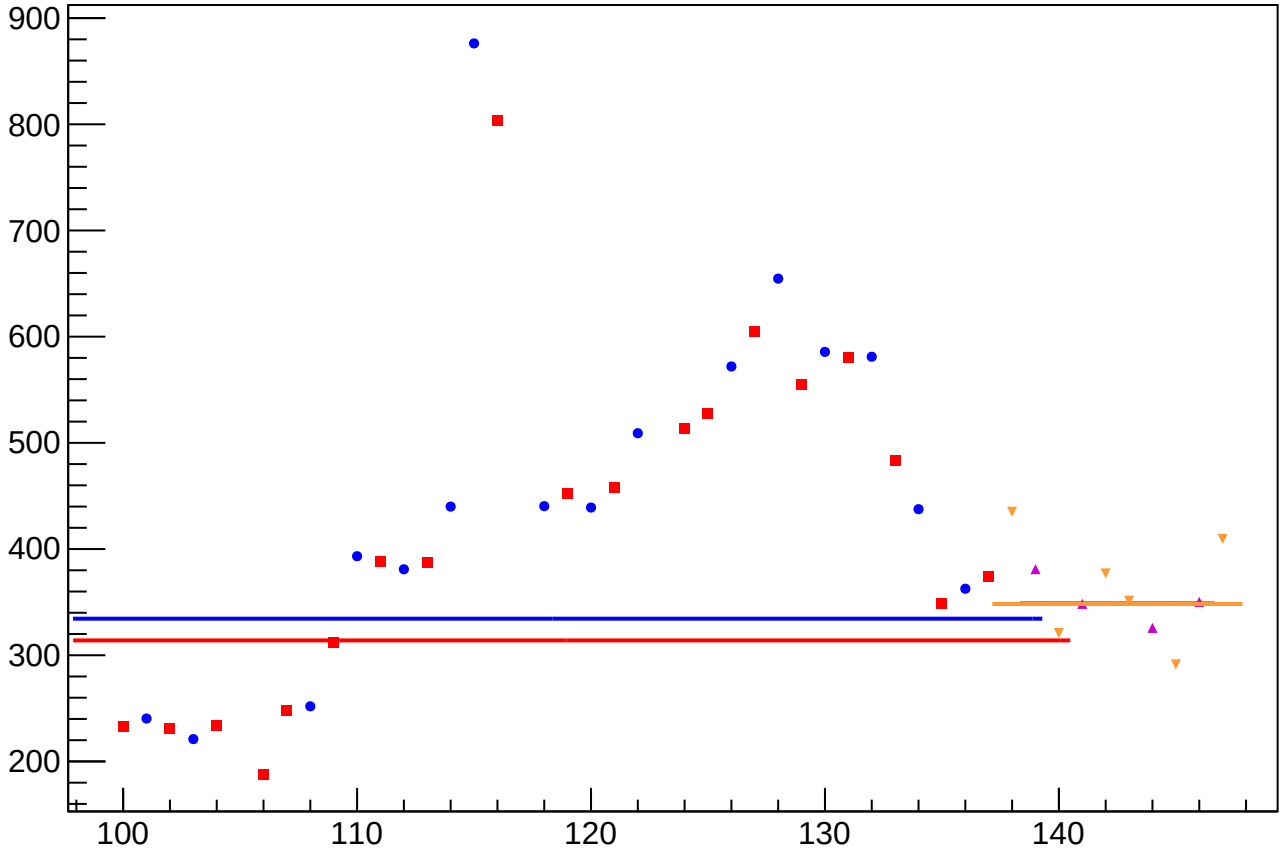
Left In: 376.552+/-187.545 χ^2/NDF:1.9/3

+ sign 86.956+/-103.712 χ^2/NDF: 23.3/21

All: 188.393+/-73.093 χ^2/NDF: 39.9/44

- sign 288.500+/-103.029 χ^2/NDF: 14.7/22

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 348.285+/-0.117 χ^2/NDF:177538.5/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

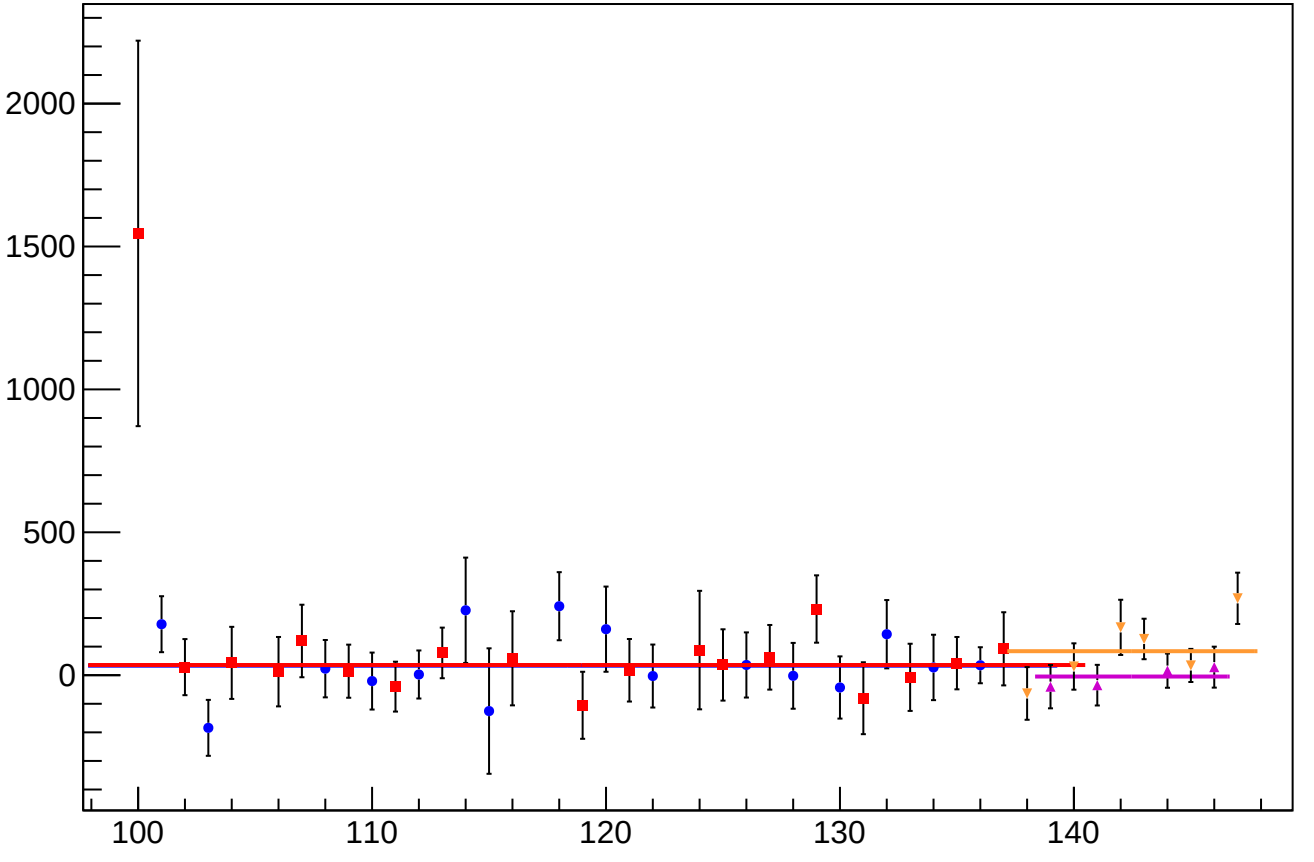
Left In: 348.834+/-0.133 χ^2/NDF:20797.1/3

+ sign 339.845+/-0.073 χ^2/NDF: 1916645.5/21

All: 332.118+/-0.052 χ^2/NDF: 3912360.2/44

- sign 324.493+/-0.073 χ^2/NDF: 1973656.6/22

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

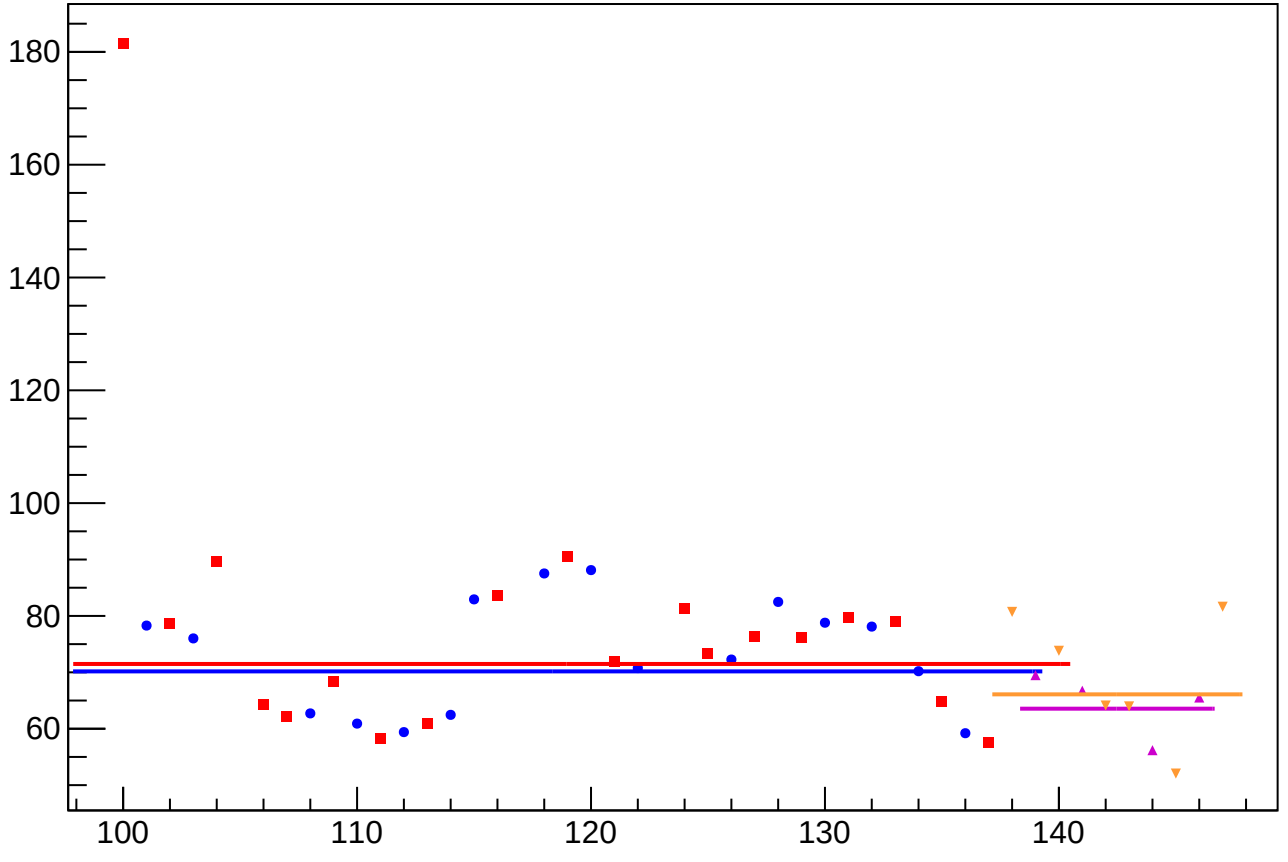
Left In: -4.677+/-34.393 χ^2/NDF:0.7/3

+ sign 54.168+/-20.278 χ^2/NDF: 25.2/21

All: 37.957+/-14.591 χ^2/NDF: 40.2/44

- sign 20.556+/-21.010 χ^2/NDF: 13.7/22

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 66.096+/-0.022 χ^2/NDF:248674.3/5

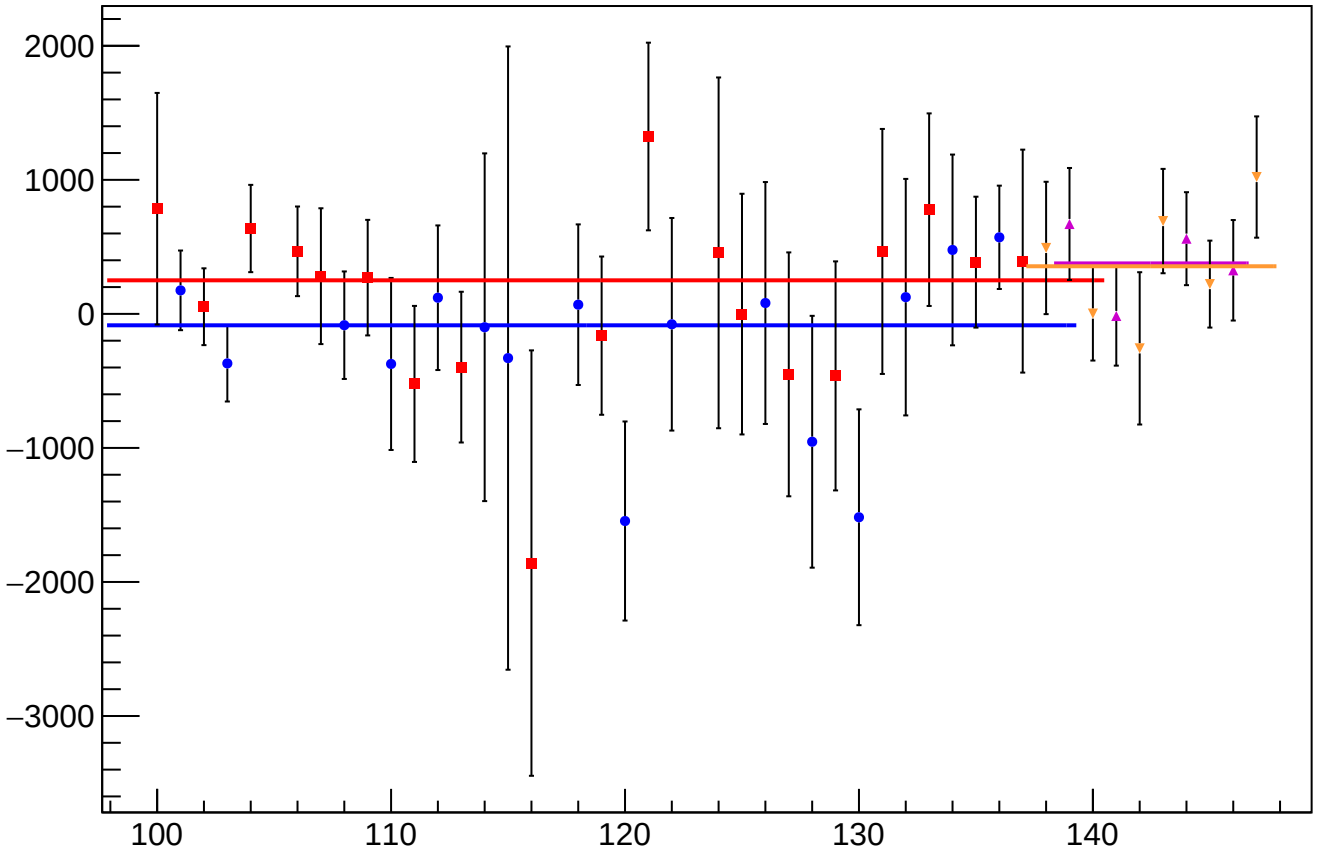
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 63.555+/-0.024 χ^2/NDF:48028.9/3

+ sign 68.495+/-0.014 χ^2/NDF: 537439.8/21

All: 68.510+/-0.010 χ^2/NDF: 977813.3/44

- sign 68.525+/-0.015 χ^2/NDF: 440371.4/22



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.900 χ^2/NDF:5.3/5

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

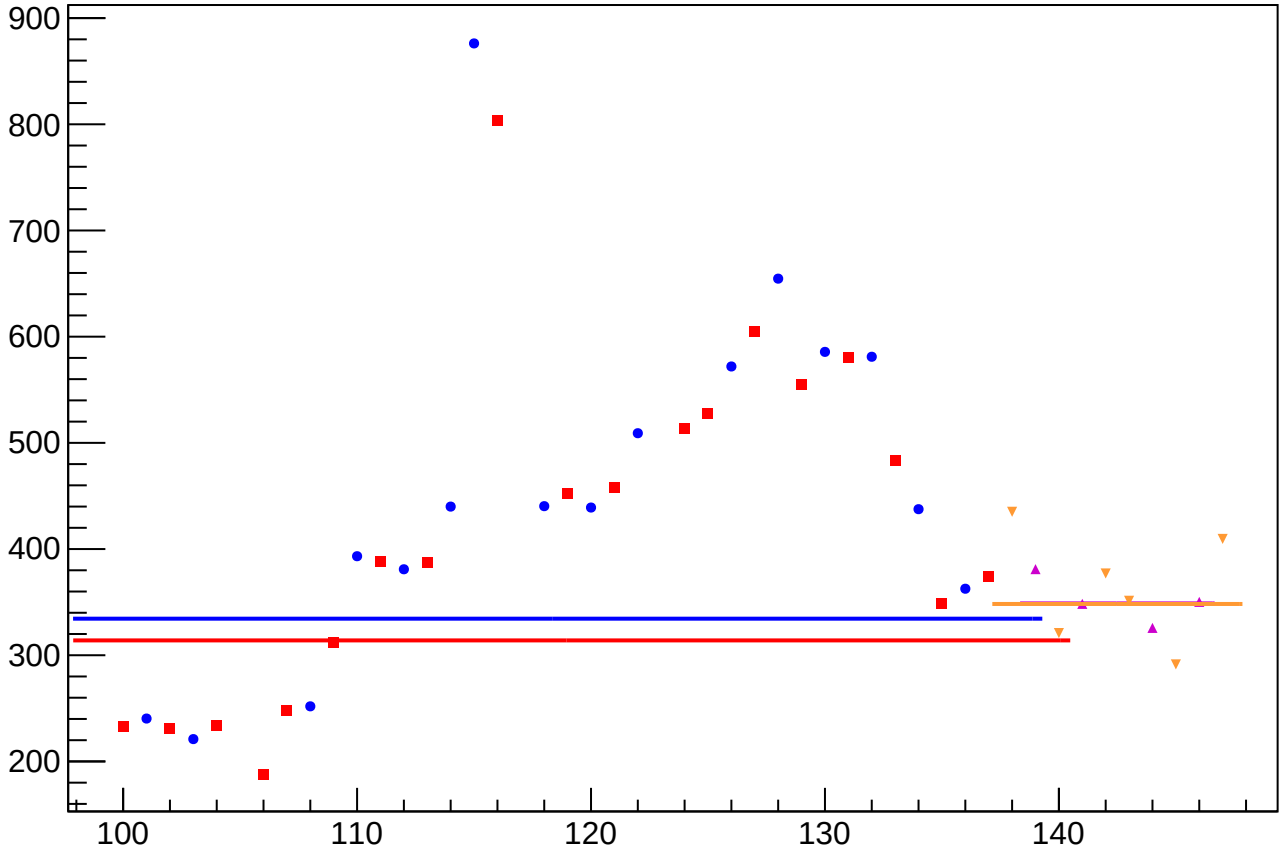
Left In: 376.551+/-187.545 χ^2/NDF:1.9/3

+ sign 86.956+/-103.712 χ^2/NDF: 23.3/21

All: 188.393+/-73.093 χ^2/NDF: 39.9/44

- sign 288.500+/-103.029 χ^2/NDF: 14.7/22

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: 348.285+/-0.117 χ^2/NDF:177540.9/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

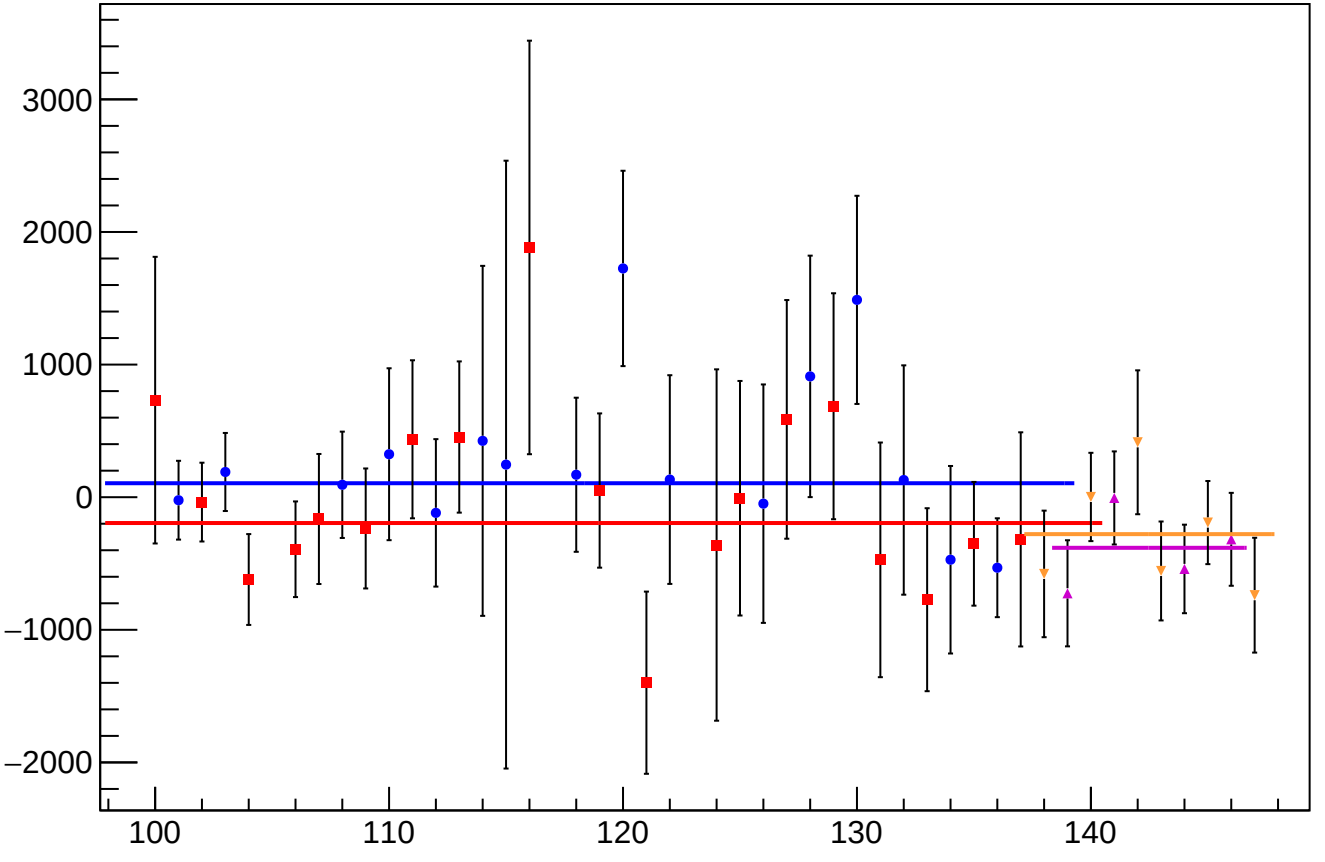
Left In: 348.834+/-0.133 χ^2/NDF:20797.0/3

+ sign 339.845+/-0.073 χ^2/NDF: 1916646.2/21

All: 332.118+/-0.052 χ^2/NDF: 3912359.0/44

- sign 324.492+/-0.073 χ^2/NDF: 1973654.8/22

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -278.500+/-159.089 χ^2/NDF:4.5/5

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

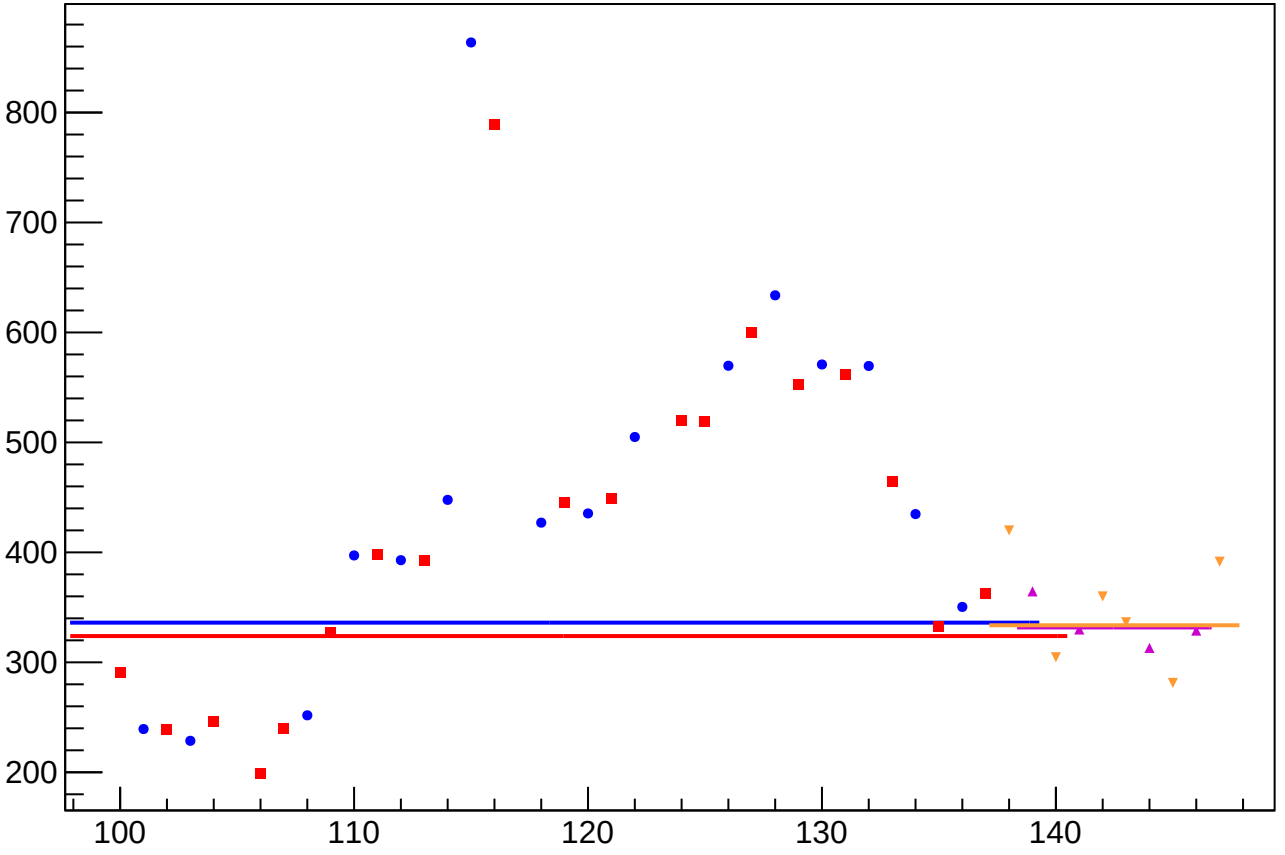
Left In: -381.632+/-178.227 χ^2/NDF:2.1/3

+ sign -52.601+/-102.060 χ^2/NDF: 20.9/21

All: -153.936+/-72.495 χ^2/NDF: 38.9/44

- sign -257.133+/-102.994 χ^2/NDF: 16.0/22

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.695+/-0.112 χ^2/NDF:177102.6/5

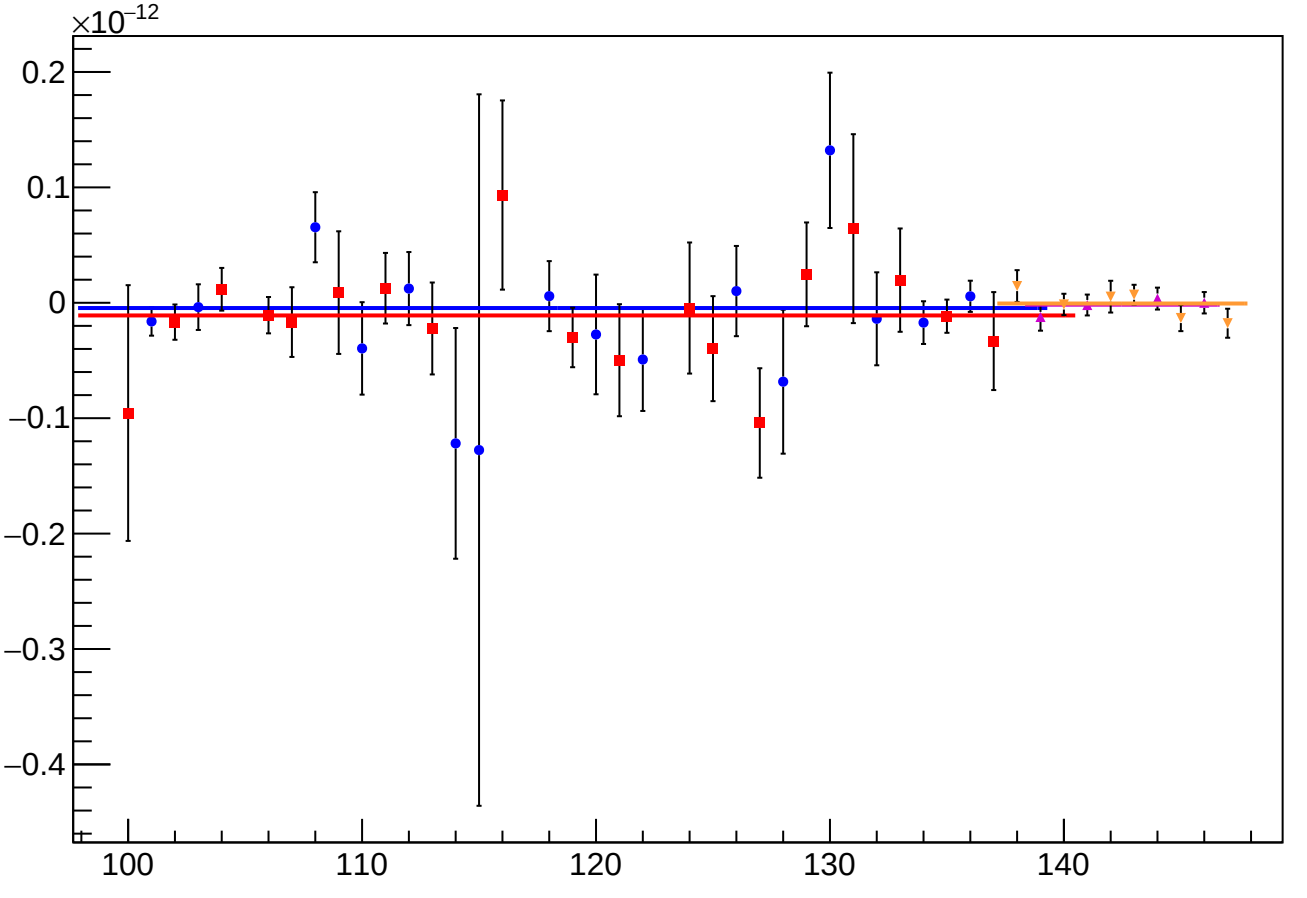
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 331.713+/-0.126 χ^2/NDF:19878.2/3

+ sign 335.105+/-0.072 χ^2/NDF: 1796367.0/21

All: 330.841+/-0.051 χ^2/NDF: 3491281.2/44

- sign 326.499+/-0.073 χ^2/NDF: 1687868.2/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

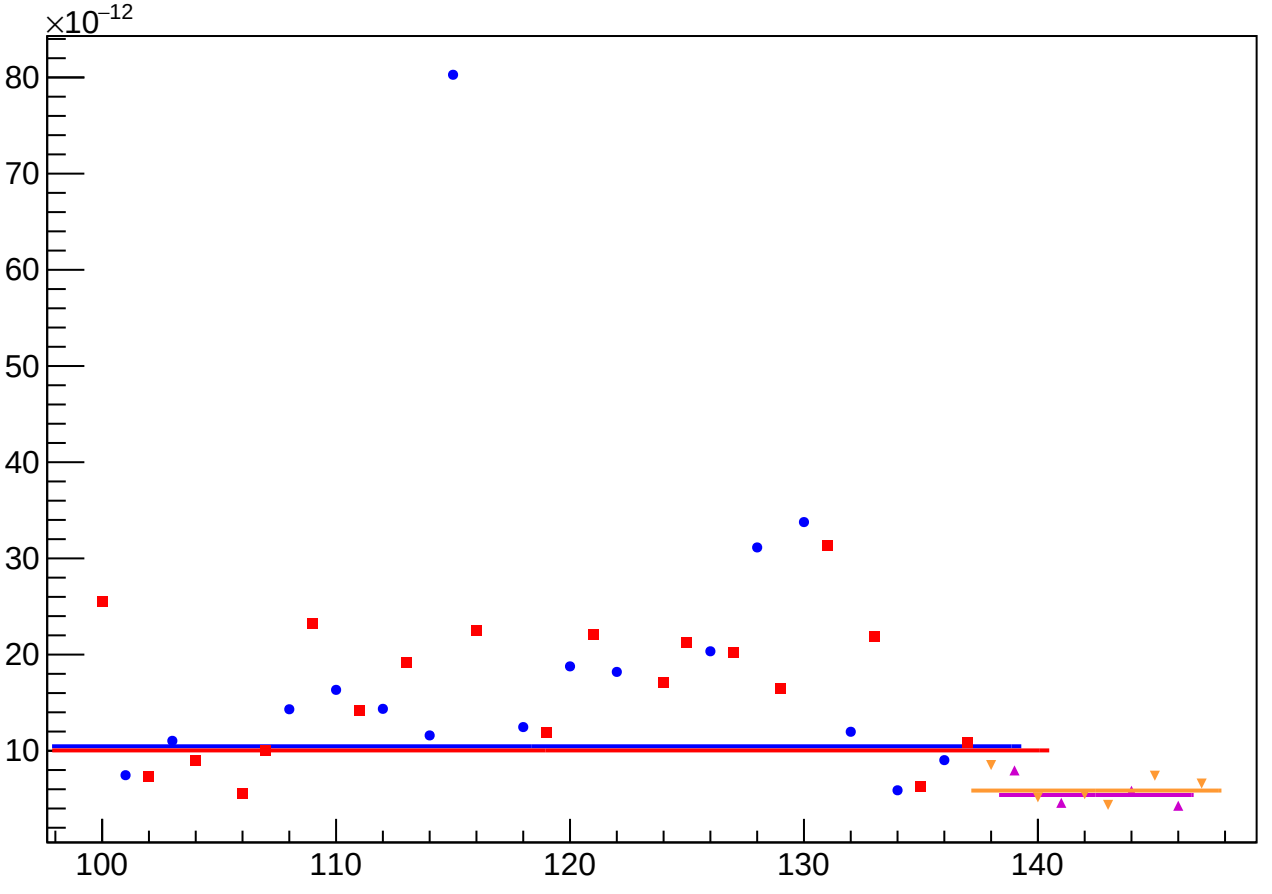
Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 37.2/44

- sign -0.000+/-0.000 χ^2/NDF: 14.8/22

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:190935.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

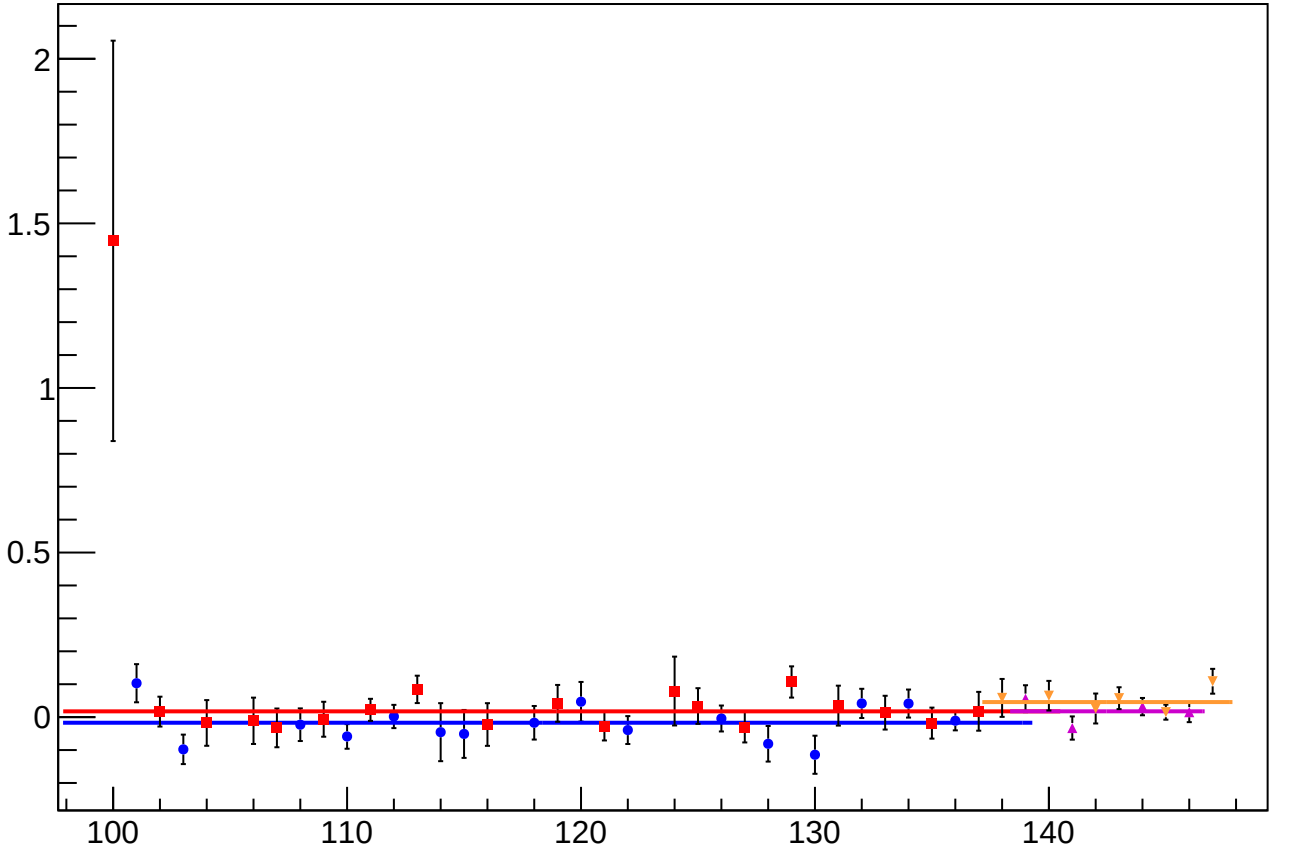
Left In: 0.000+/-0.000 χ^2/NDF:141827.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 2062312.9/21

All: 0.000+/-0.000 χ^2/NDF: 4285766.3/44

- sign 0.000+/-0.000 χ^2/NDF: 2218744.9/22

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: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

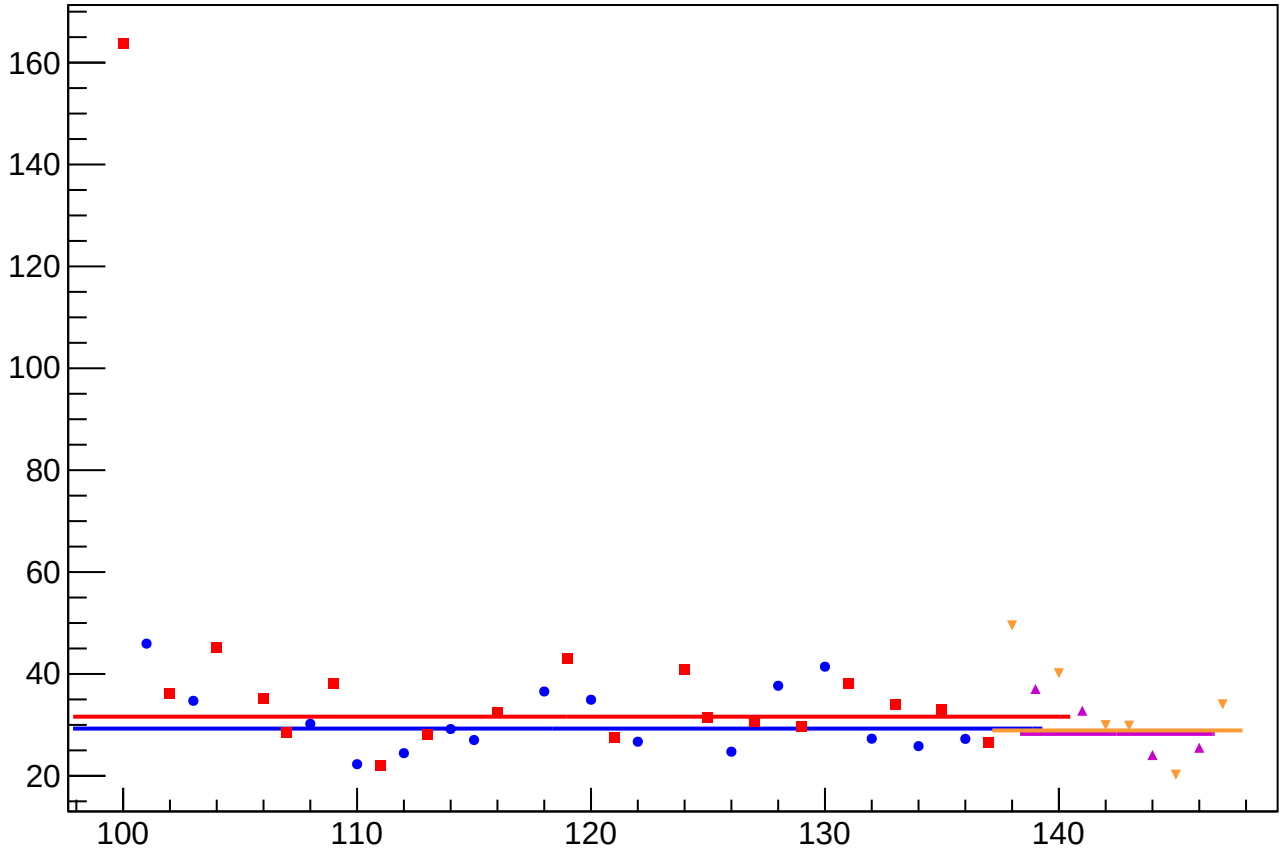
Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.012+/-0.007 χ^2/NDF: 56.4/44

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22

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: 28.913+/-0.010 χ^2/NDF:709674.8/5

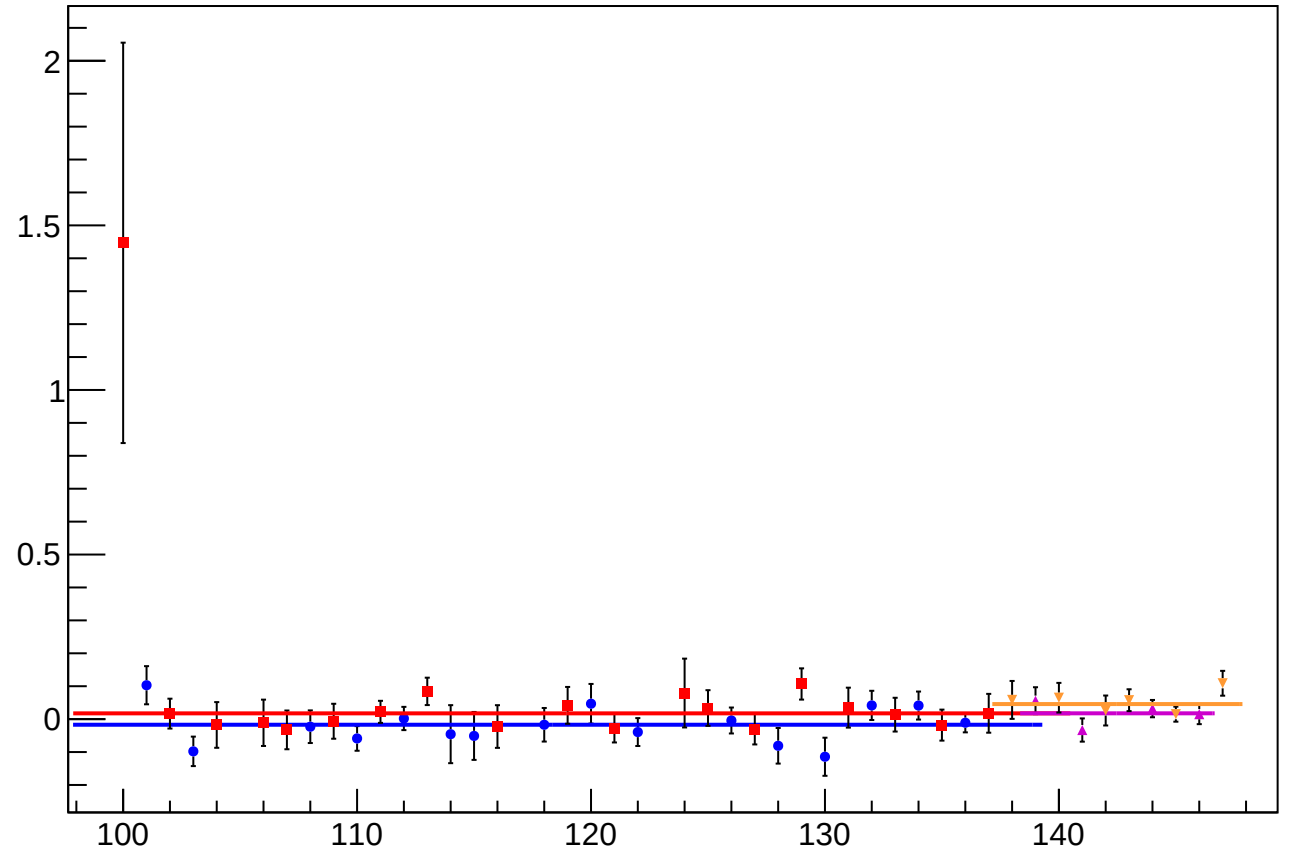
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

+ sign 29.139+/-0.006 χ^2/NDF: 1271124.3/21

All: 29.710+/-0.005 χ^2/NDF: 2110595.5/44

- sign 30.378+/-0.007 χ^2/NDF: 821633.8/22



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

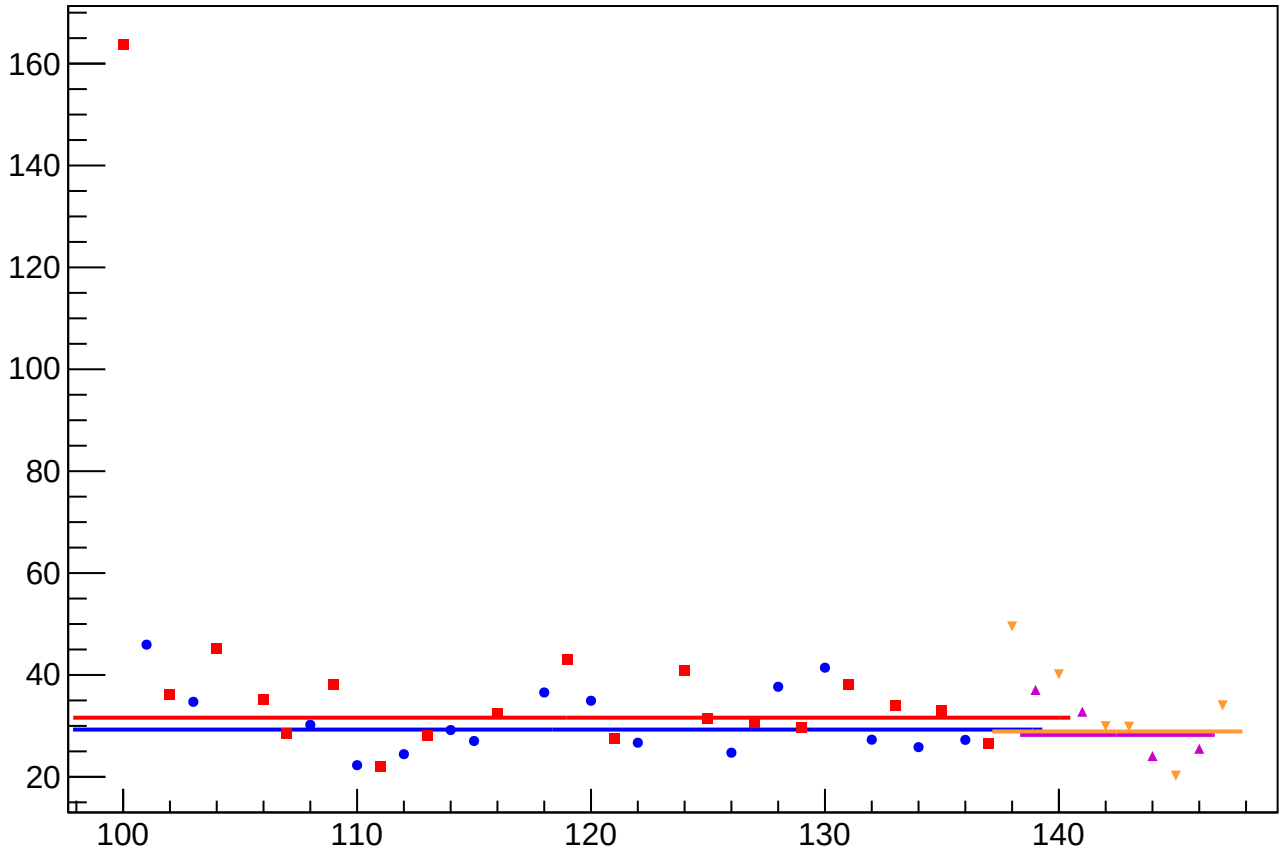
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.012+/-0.007 χ^2/NDF: 56.4/44

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.913+/-0.010 χ^2/NDF:709674.8/5

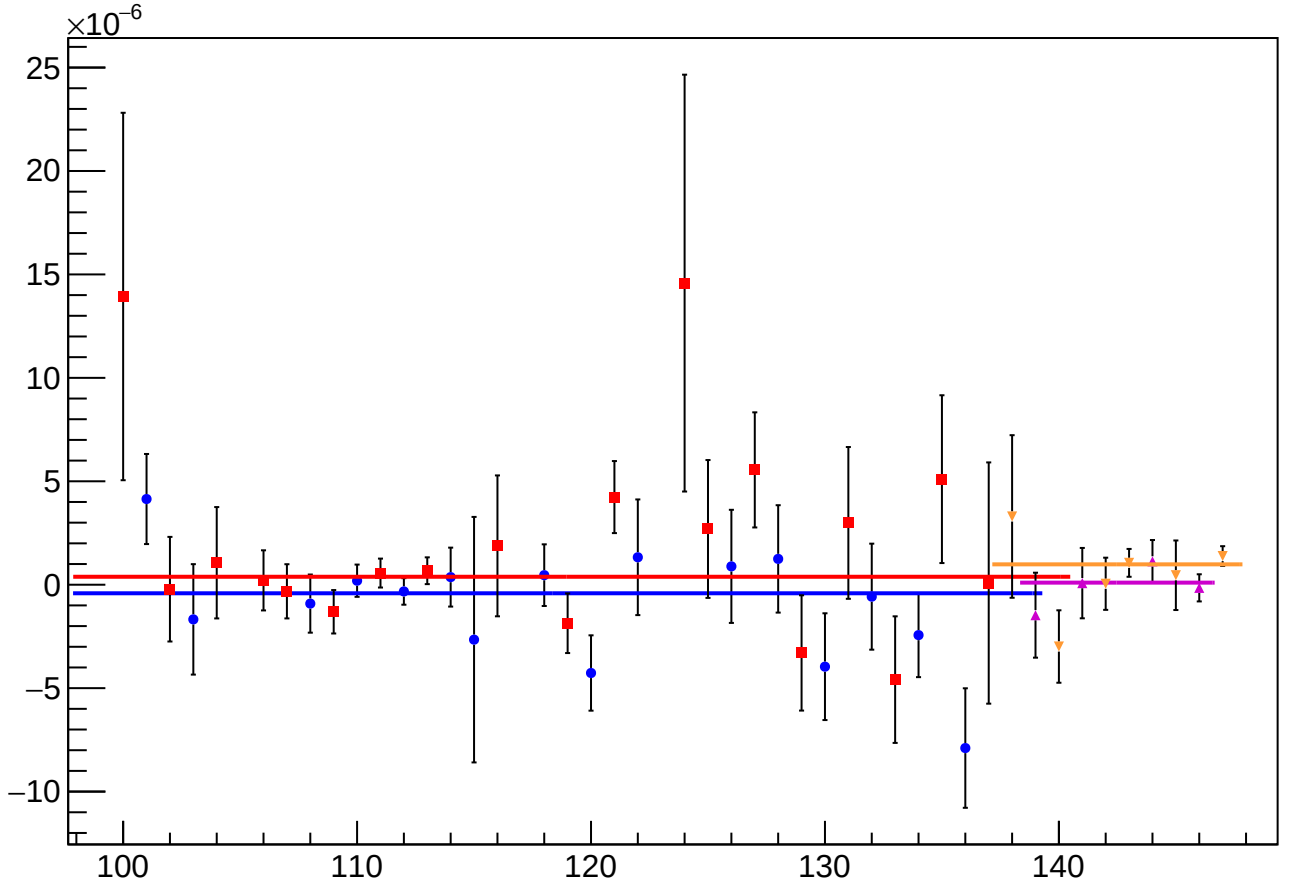
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

\+ sign 29.139+/-0.006 χ^2/NDF: 1271124.3/21

All: 29.710+/-0.005 χ^2/NDF: 2110595.5/44

\- sign 30.378+/-0.007 χ^2/NDF: 821633.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/5

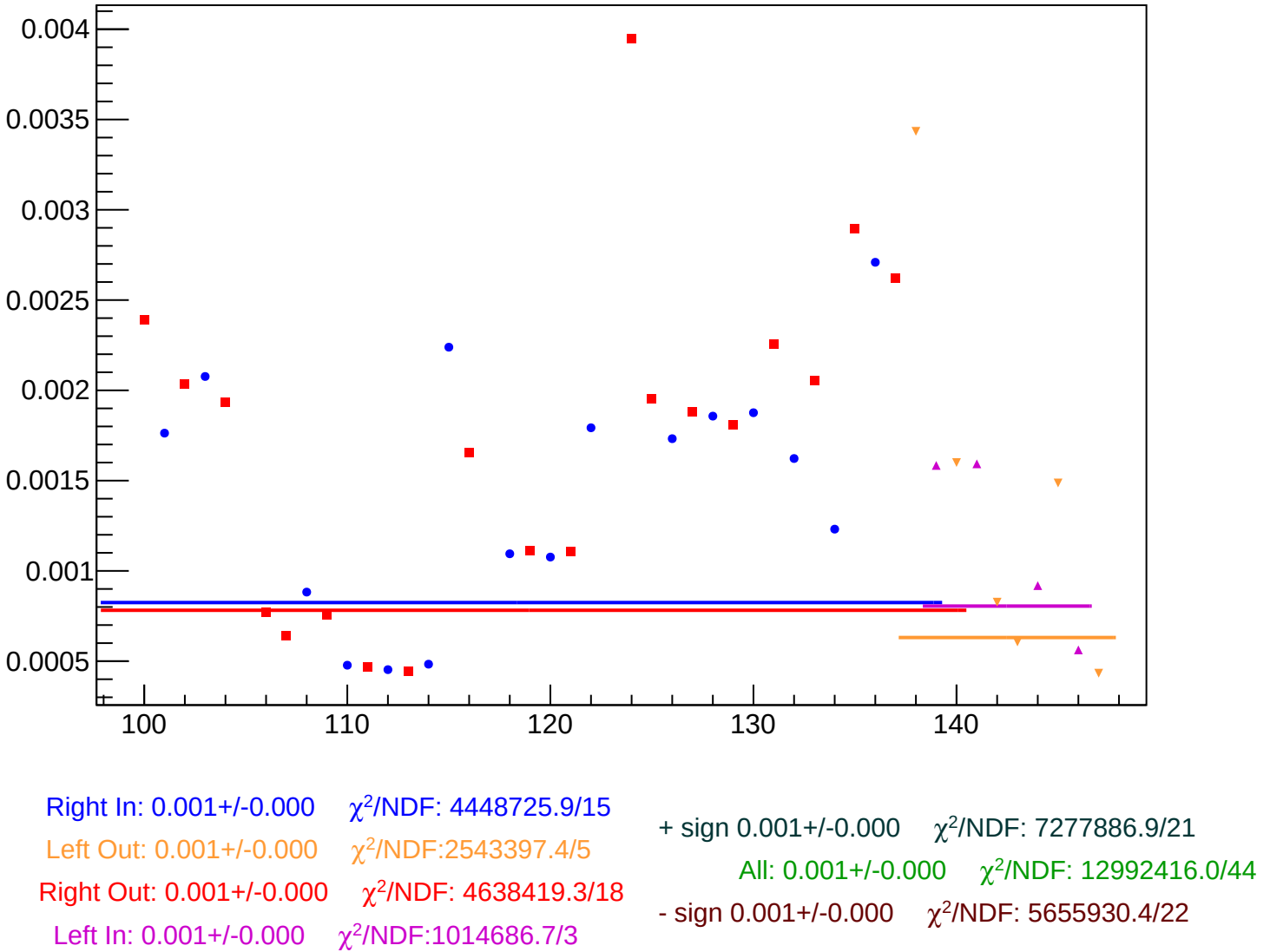
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

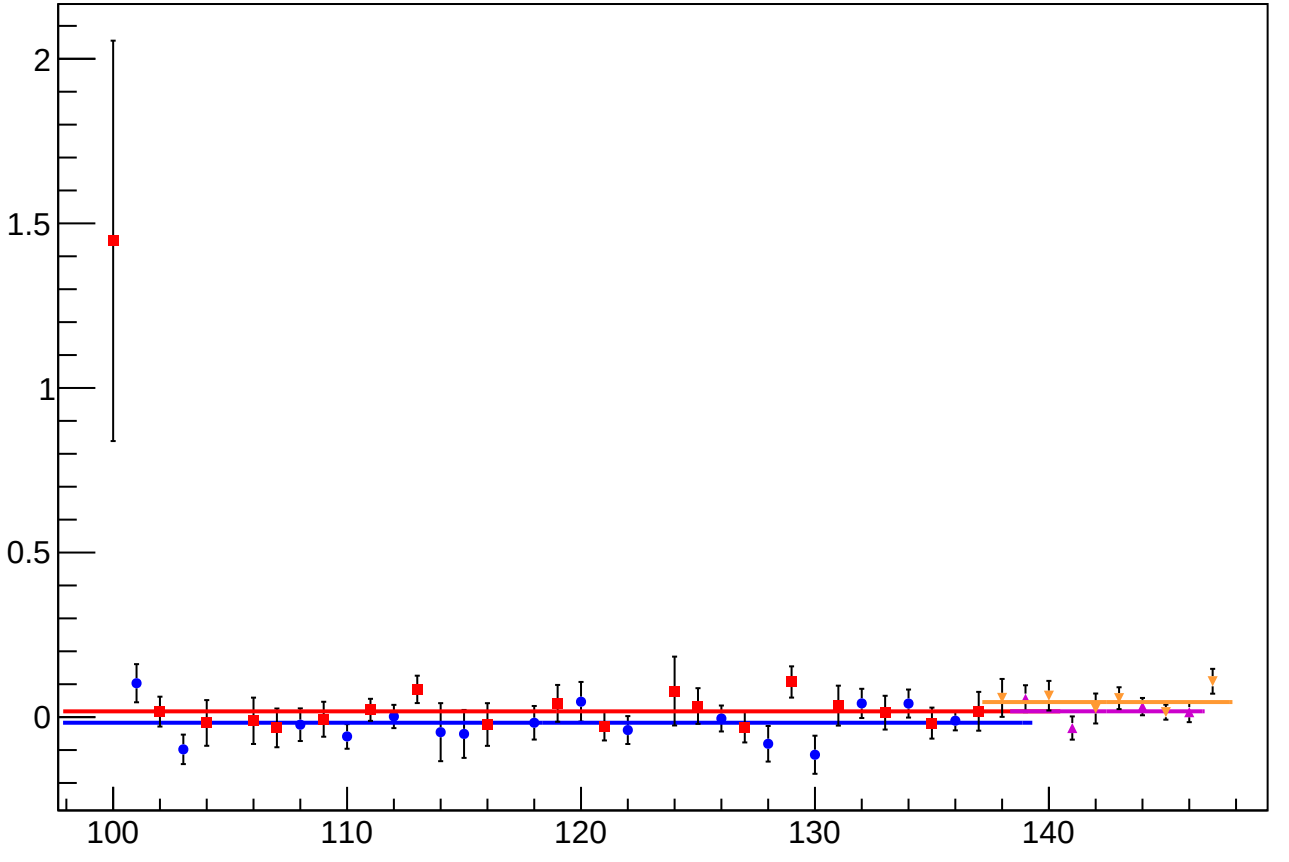
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/21

All: 0.000+/-0.000 χ^2/NDF: 62.8/44

- sign 0.000+/-0.000 χ^2/NDF: 27.2/22


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2543397.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1014686.7/3
+ sign 0.001+/-0.000 χ²/NDF: 7277886.9/21
All: 0.001+/-0.000 χ²/NDF: 12992416.0/44
- sign 0.001+/-0.000 χ²/NDF: 5655930.4/22

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: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

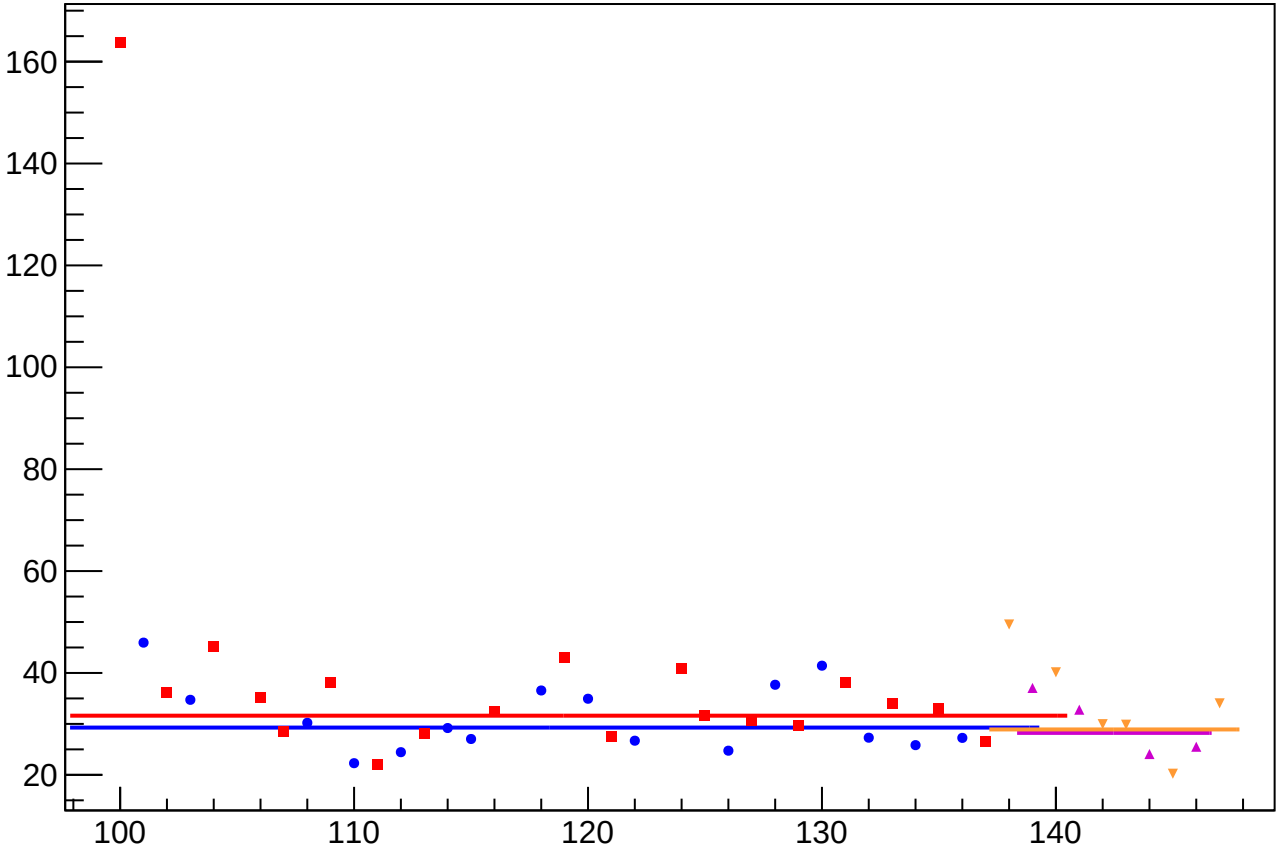
Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.012+/-0.007 χ^2/NDF: 56.4/44

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22

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: 28.912+/-0.010 χ^2/NDF:709731.9/5

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

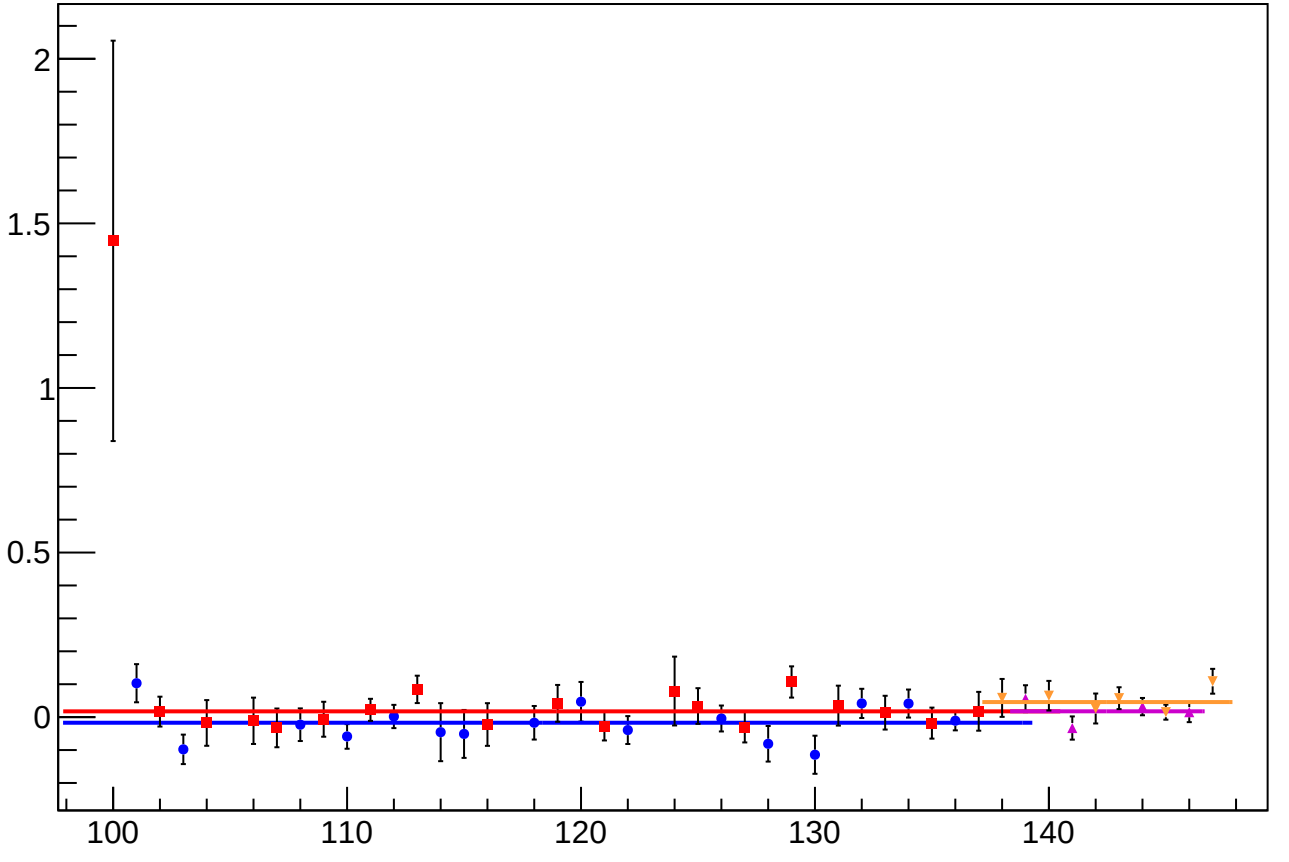
Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

+ sign 29.138+/-0.006 χ^2/NDF: 1271183.6/21

All: 29.710+/-0.005 χ^2/NDF: 2110649.3/44

- sign 30.379+/-0.007 χ^2/NDF: 821621.4/22

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: 0.046+/-0.014 χ^2/NDF:5.2/5

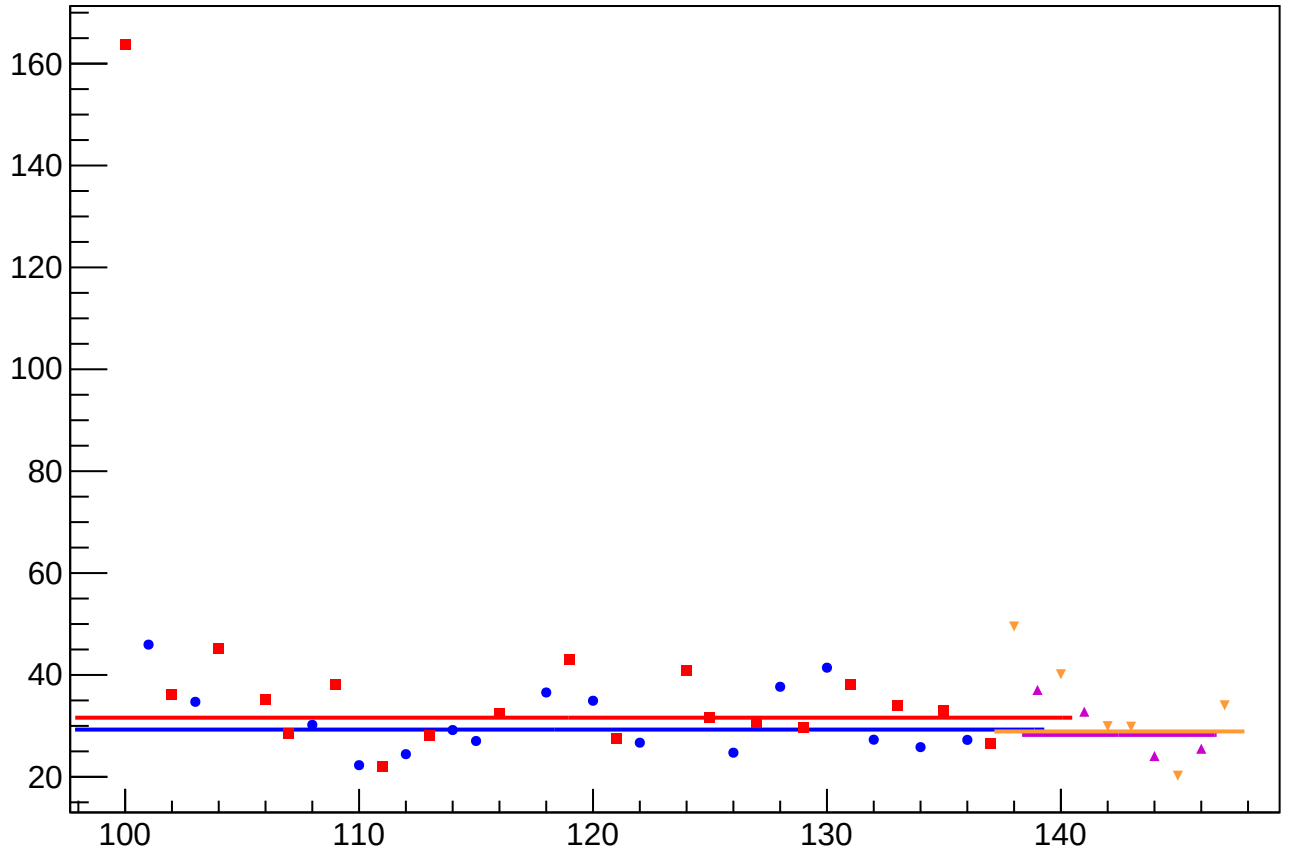
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.012+/-0.007 χ^2/NDF: 56.4/44

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.912+/-0.010 χ^2/NDF:709731.9/5

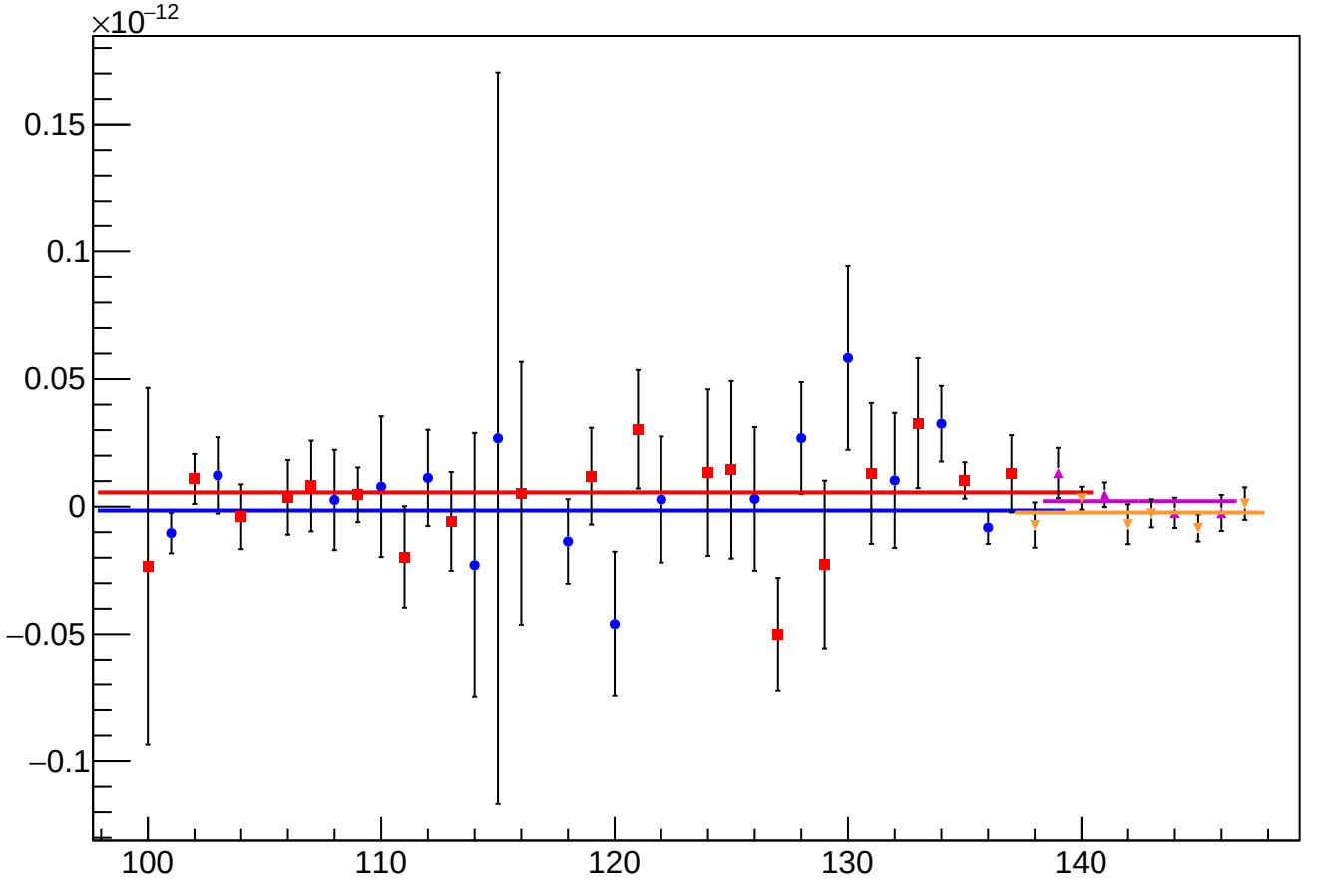
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

+ sign 29.138+/-0.006 χ^2/NDF: 1271183.6/21

All: 29.710+/-0.005 χ^2/NDF: 2110649.3/44

- sign 30.379+/-0.007 χ^2/NDF: 821621.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

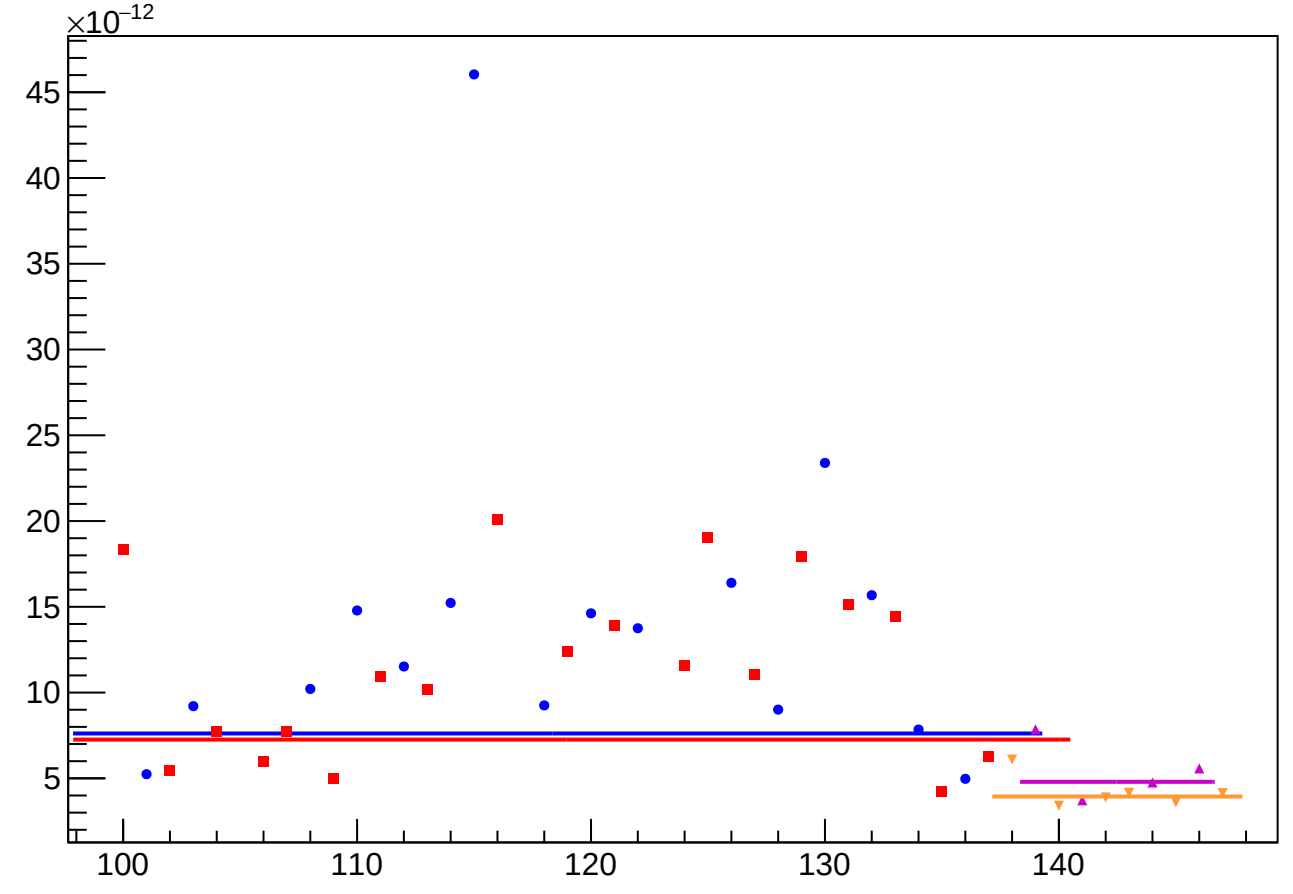
Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/21

All: 0.000+/-0.000 χ^2/NDF: 40.4/44

- sign 0.000+/-0.000 χ^2/NDF: 16.4/22

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:160409.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

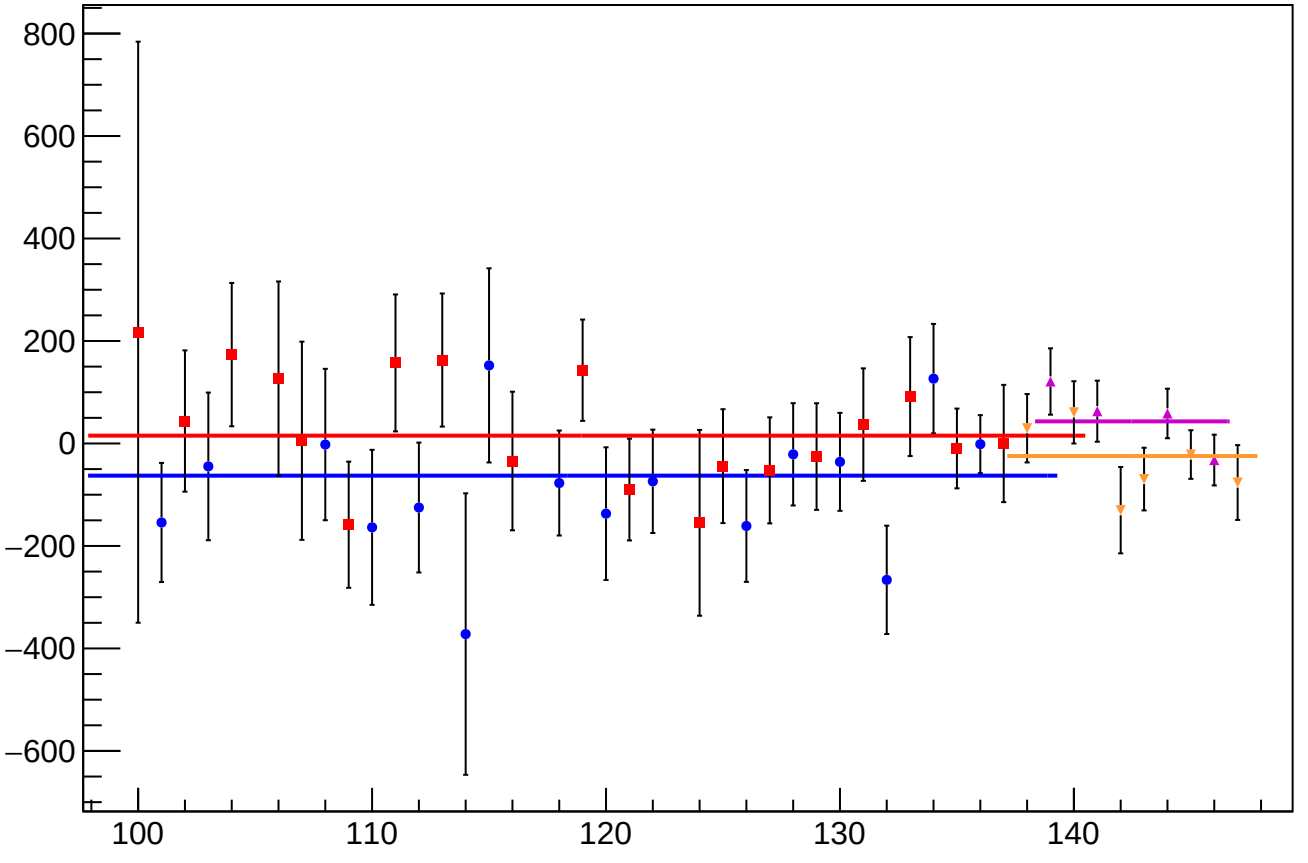
Left In: 0.000+/-0.000 χ^2/NDF:316067.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 3504984.3/21

All: 0.000+/-0.000 χ^2/NDF: 6492689.9/44

- sign 0.000+/-0.000 χ^2/NDF: 2838128.0/22

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.568+/-25.520 χ^2/NDF:5.2/5

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

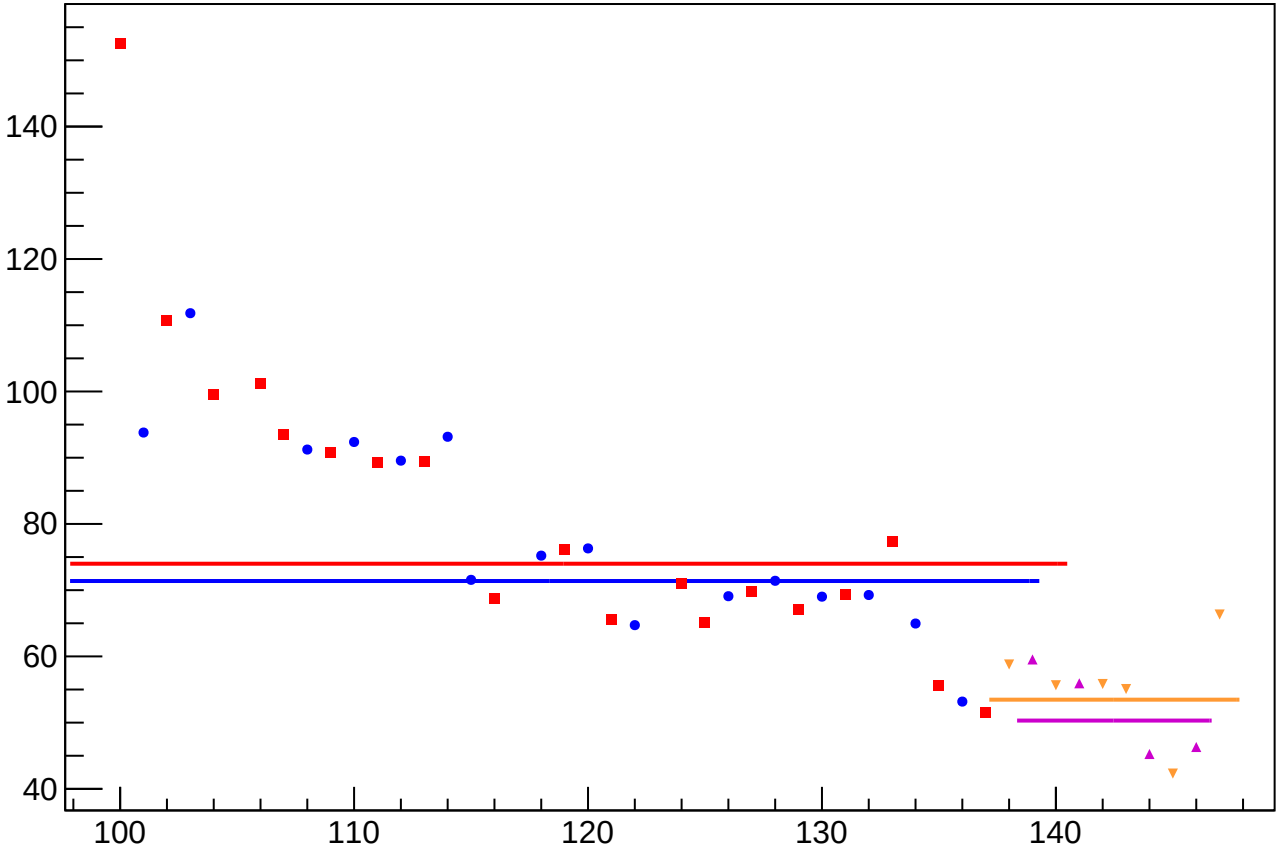
Left In: 43.101+/-27.160 χ^2/NDF:4.0/3

+ sign -42.457+/-18.615 χ^2/NDF: 19.8/21

All: -7.993+/-13.437 χ^2/NDF: 42.9/44

- sign 29.503+/-19.417 χ^2/NDF: 16.0/22

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

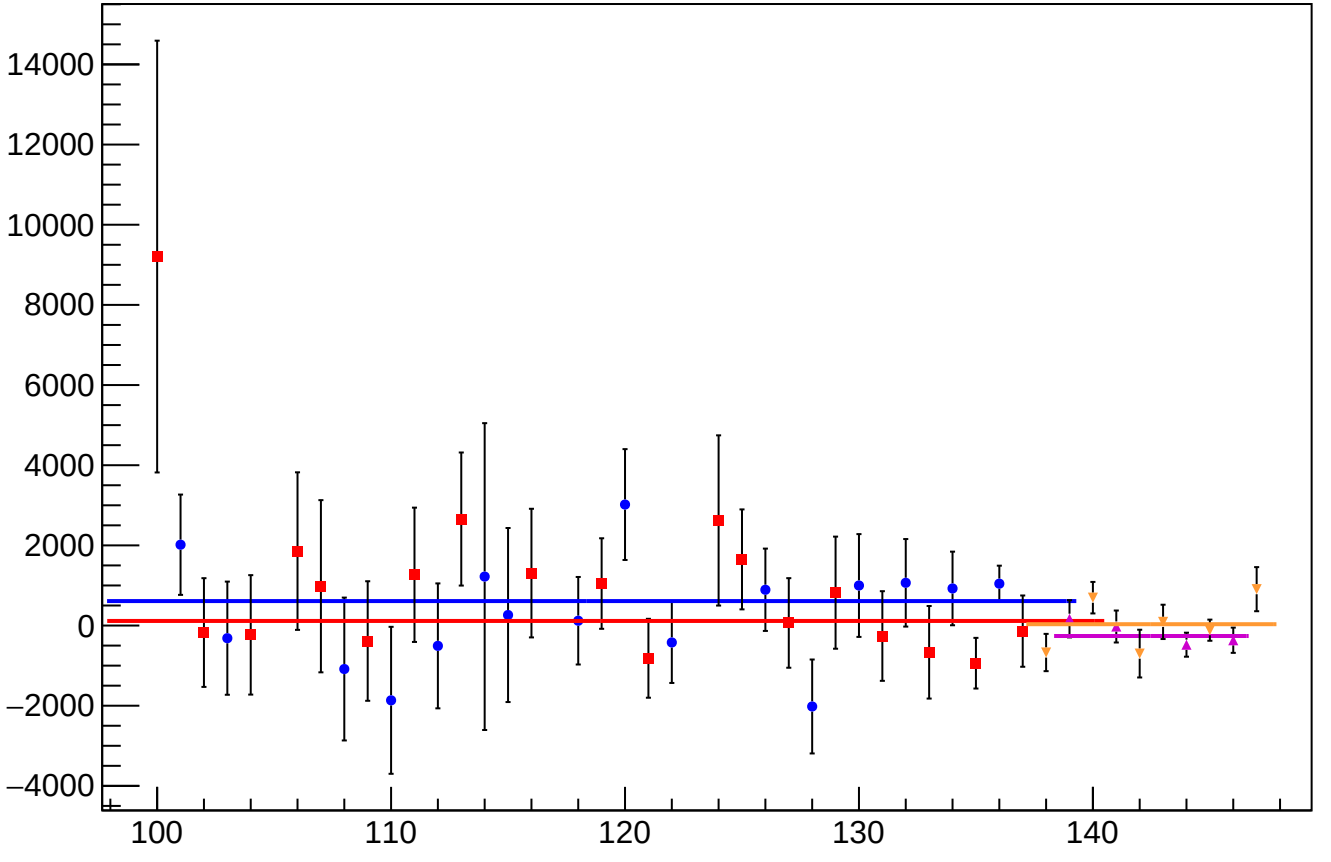
Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.851+/-0.013 χ^2/NDF: 1243037.6/21

All: 61.870+/-0.010 χ^2/NDF: 2718089.3/44

- sign 61.890+/-0.014 χ^2/NDF: 1475047.4/22

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 33.495+/-164.260 χ^2/NDF:9.5/5

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

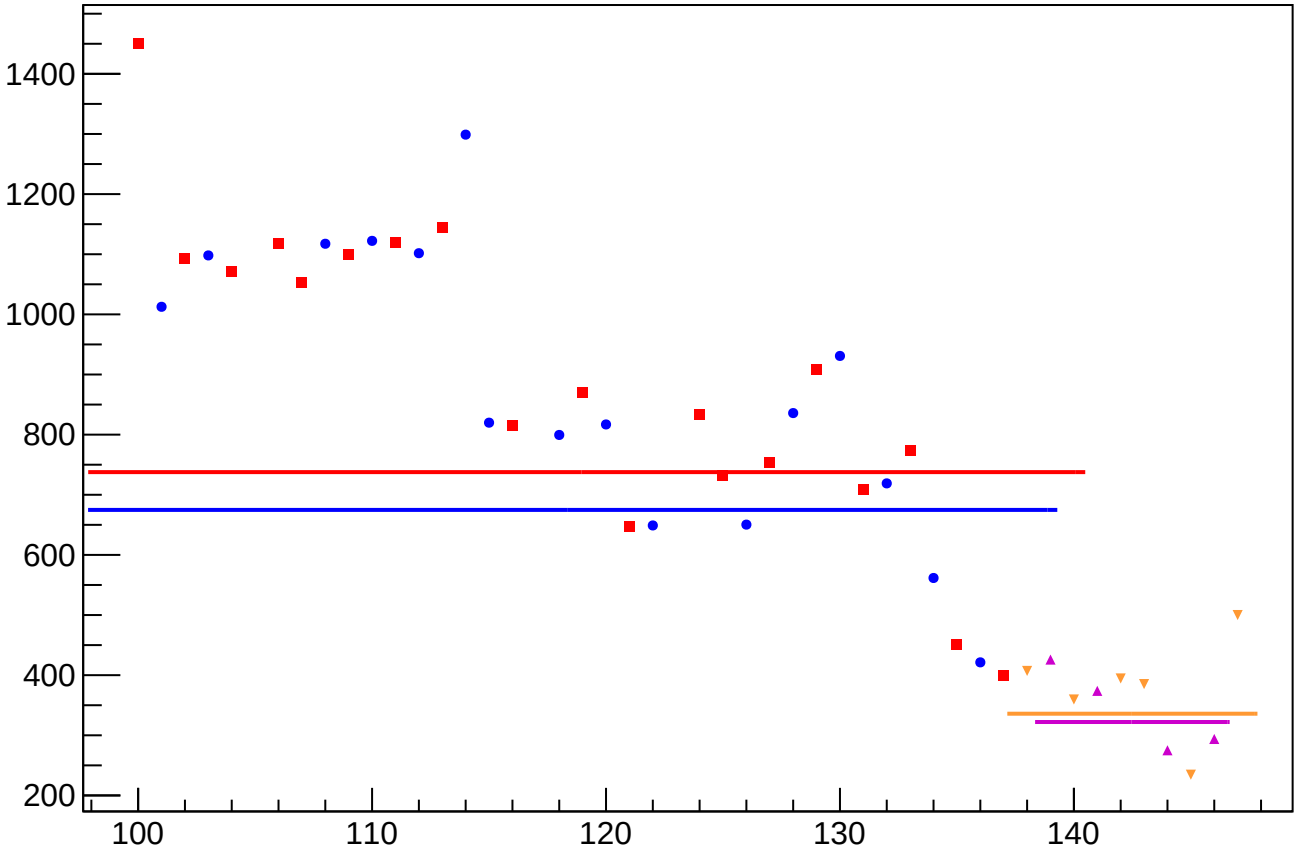
Left In: -260.939+/-176.338 χ^2/NDF:1.8/3

+ sign 192.106+/-139.876 χ^2/NDF: 28.6/21

All: 29.749+/-102.253 χ^2/NDF: 50.2/44

- sign -156.600+/-149.855 χ^2/NDF: 18.7/22

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 335.916+/-0.116 χ^2/NDF:573691.7/5

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

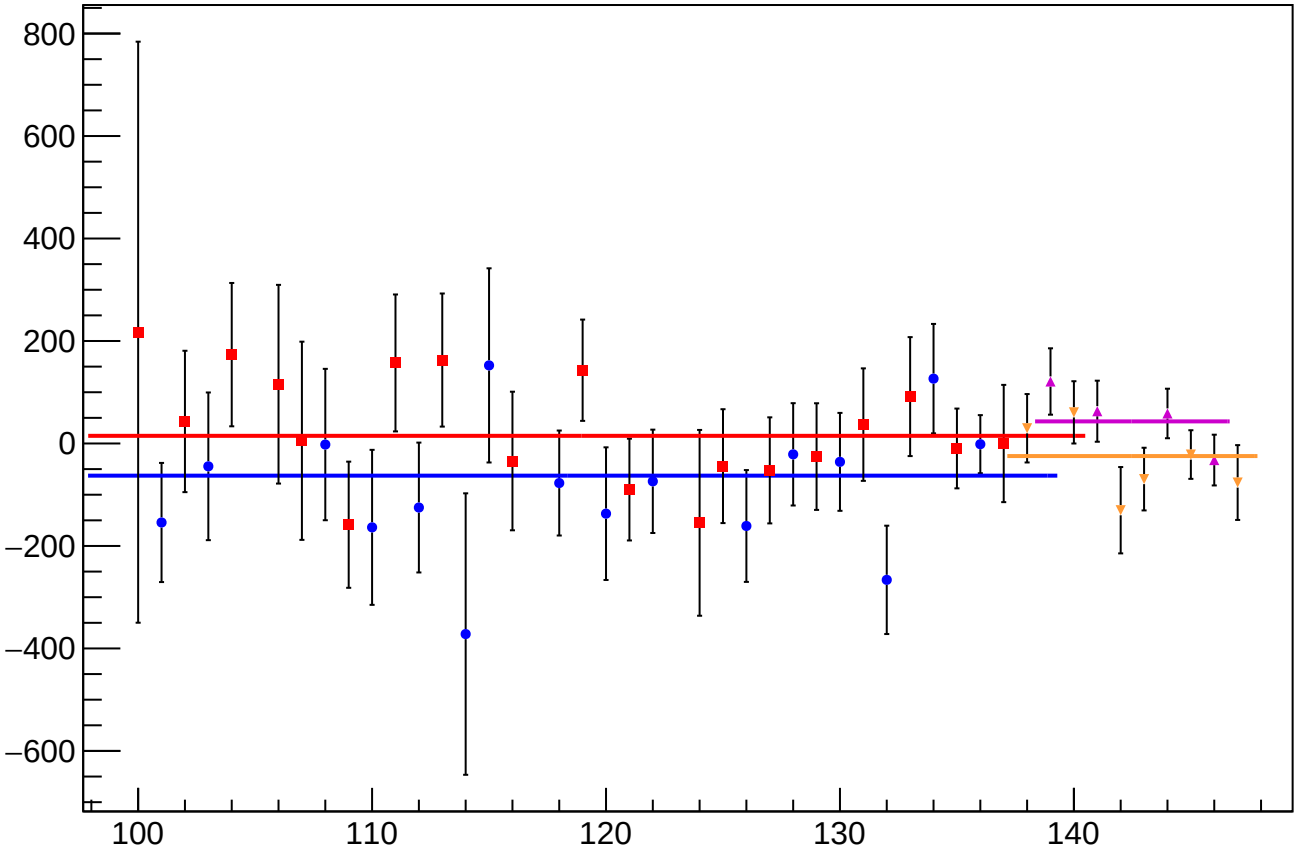
Left In: 322.112+/-0.125 χ^2/NDF:199158.9/3

+ sign 429.069+/-0.099 χ^2/NDF: 4531495.1/21

All: 433.023+/-0.072 χ^2/NDF: 9336595.0/44

- sign 437.560+/-0.106 χ^2/NDF: 4801668.3/22

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

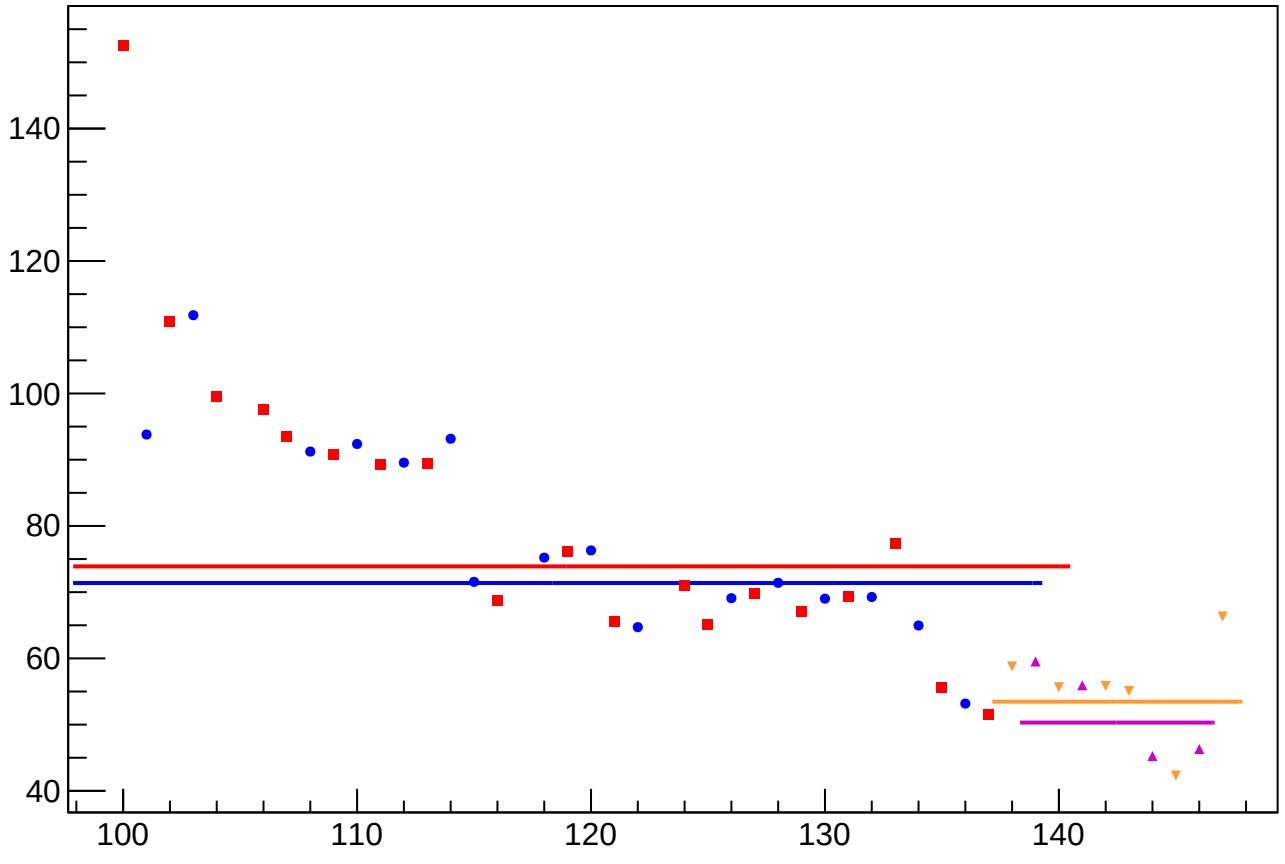
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 43.102+/-27.160 χ^2/NDF:4.0/3

+ sign -42.451+/-18.615 χ^2/NDF: 19.8/21

All: -8.079+/-13.439 χ^2/NDF: 42.8/44

- sign 29.336+/-19.422 χ^2/NDF: 15.9/22



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

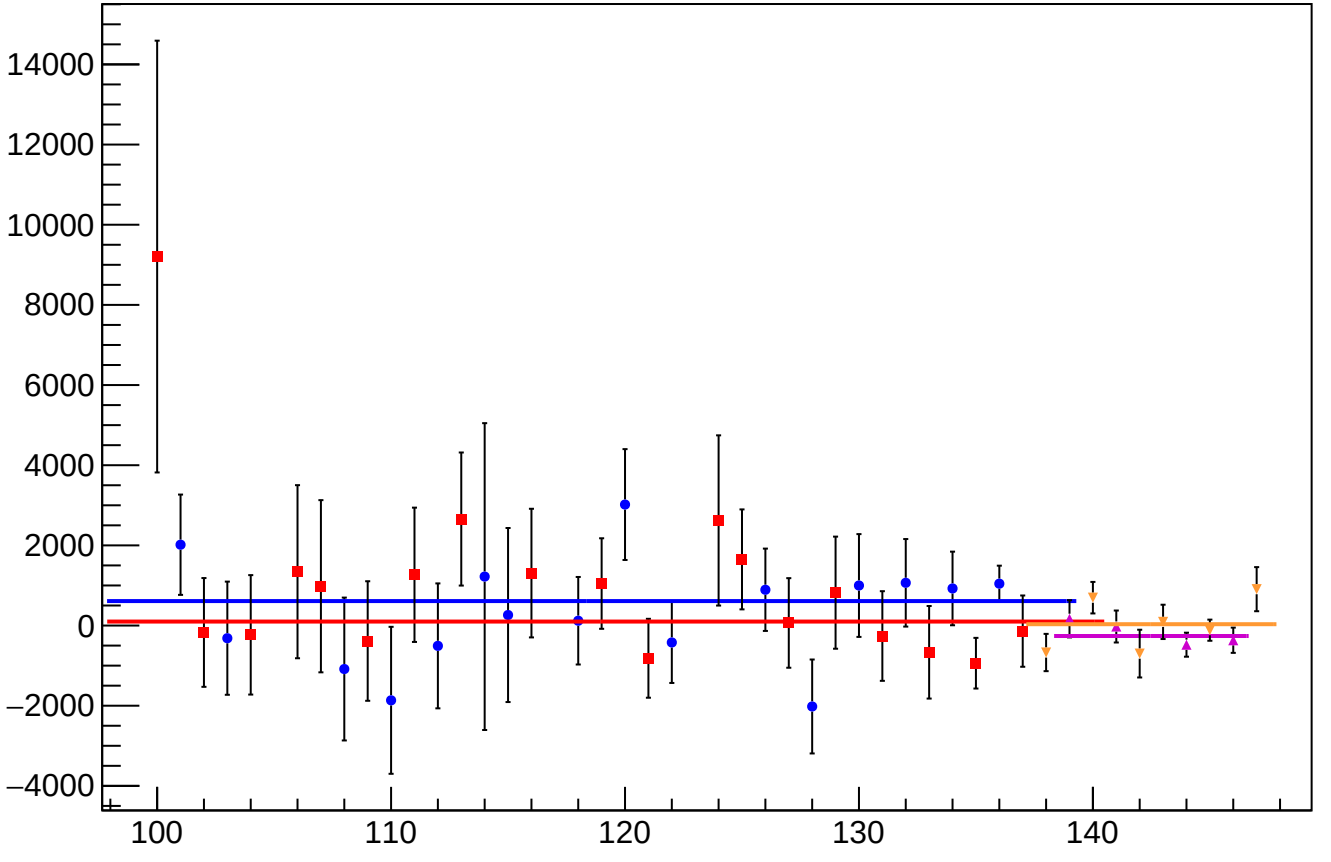
Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.851+/-0.013 χ^2/NDF: 1243040.2/21

All: 61.844+/-0.010 χ^2/NDF: 2700048.9/44

- sign 61.836+/-0.014 χ^2/NDF: 1457008.0/22

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

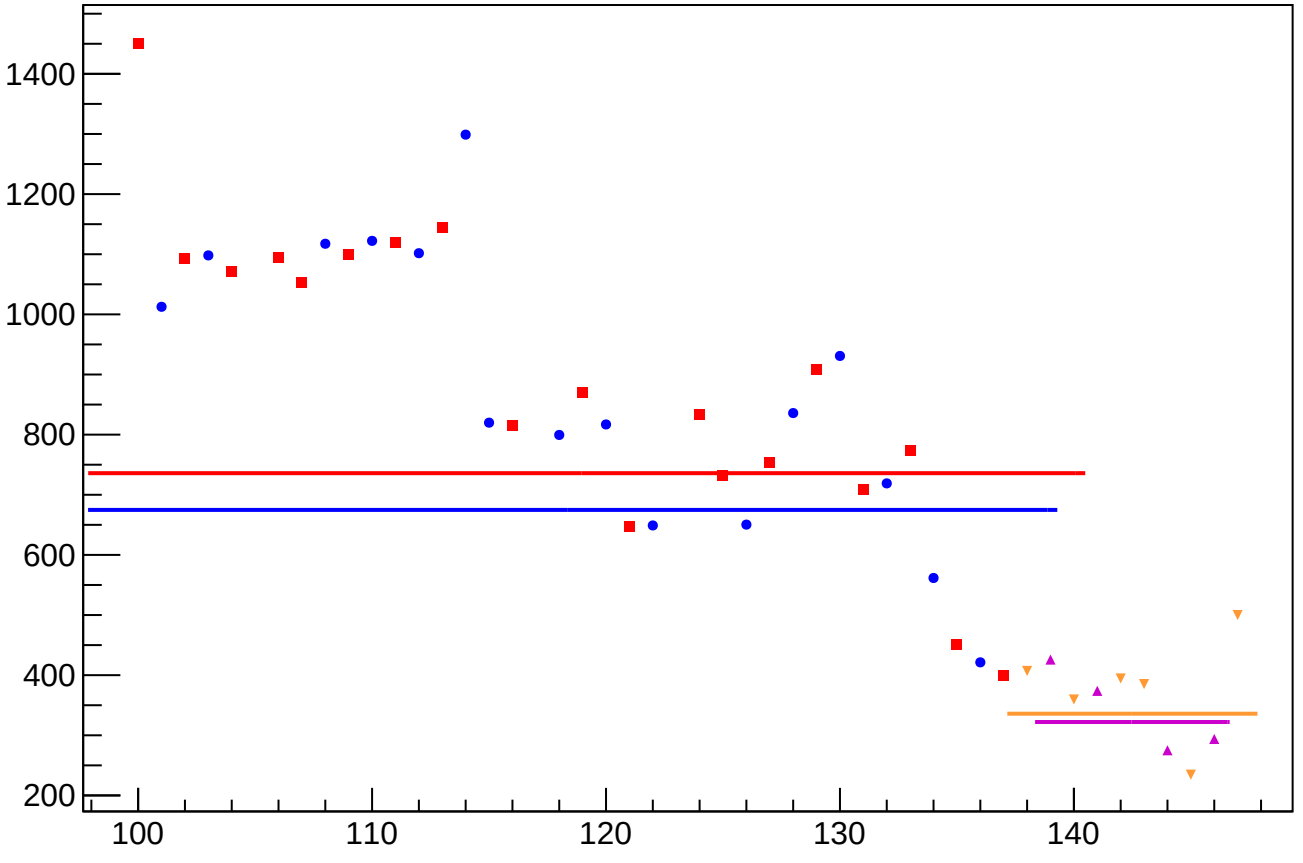
Left In: -260.935+/-176.338 χ^2/NDF:1.8/3

+ sign 192.101+/-139.876 χ^2/NDF: 28.6/21

All: 27.764+/-102.277 χ^2/NDF: 49.7/44

- sign -161.050+/-149.931 χ^2/NDF: 18.1/22

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

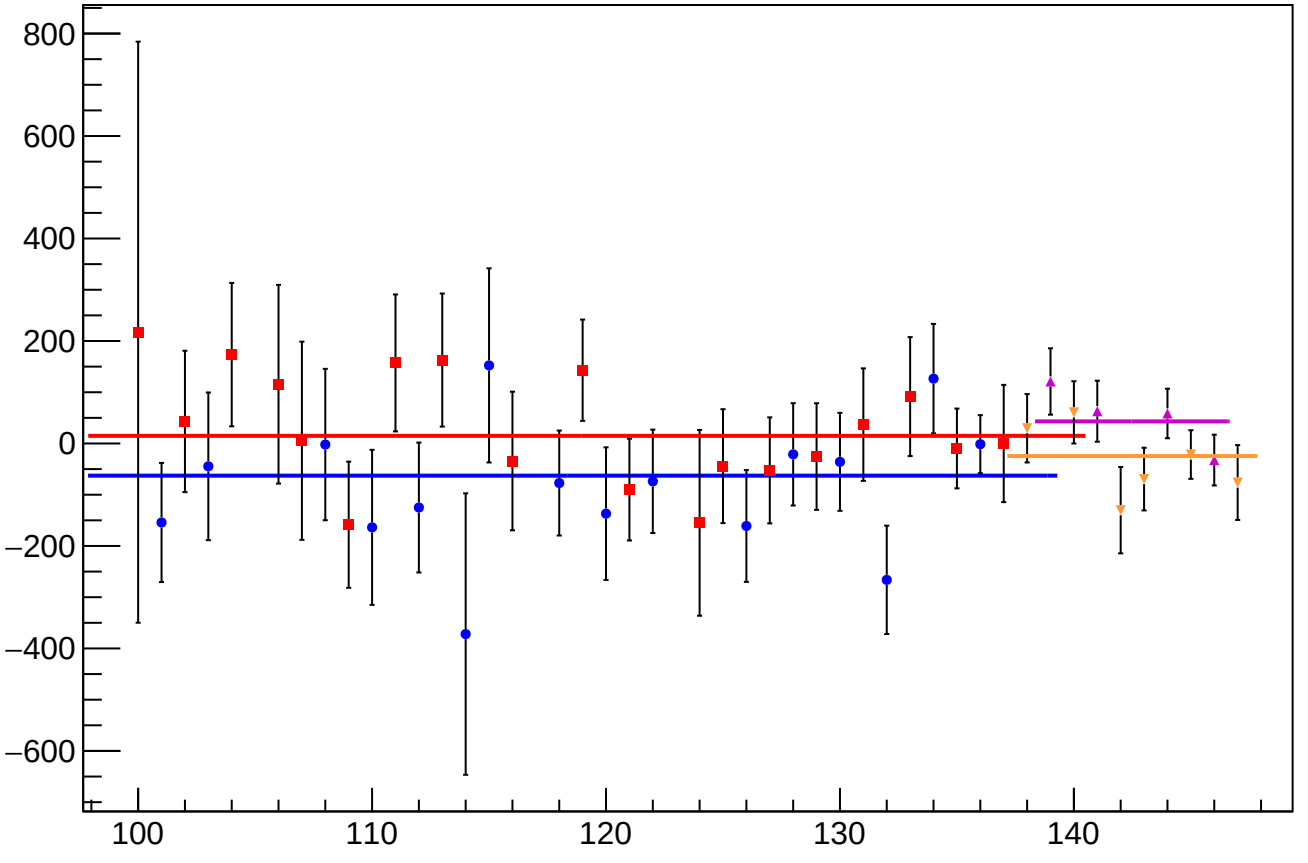
Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

+ sign 429.069+/-0.099 χ^2/NDF: 4531531.1/21

All: 432.653+/-0.072 χ^2/NDF: 9282187.8/44

- sign 436.770+/-0.106 χ^2/NDF: 4747835.2/22

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

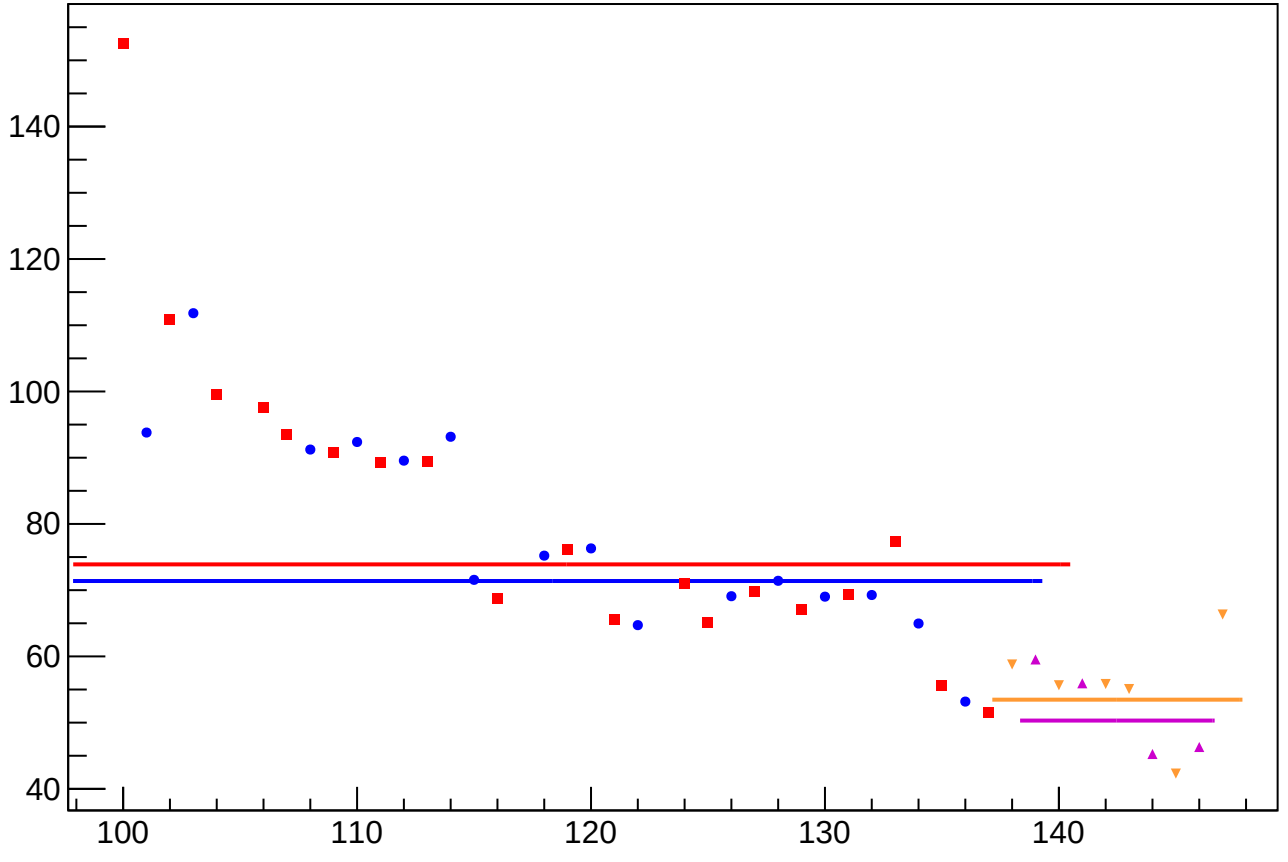
Left In: 43.102+/-27.160 χ^2/NDF:4.0/3

+ sign -42.451+/-18.615 χ^2/NDF: 19.8/21

All: -8.079+/-13.439 χ^2/NDF: 42.8/44

- sign 29.336+/-19.422 χ^2/NDF: 15.9/22

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

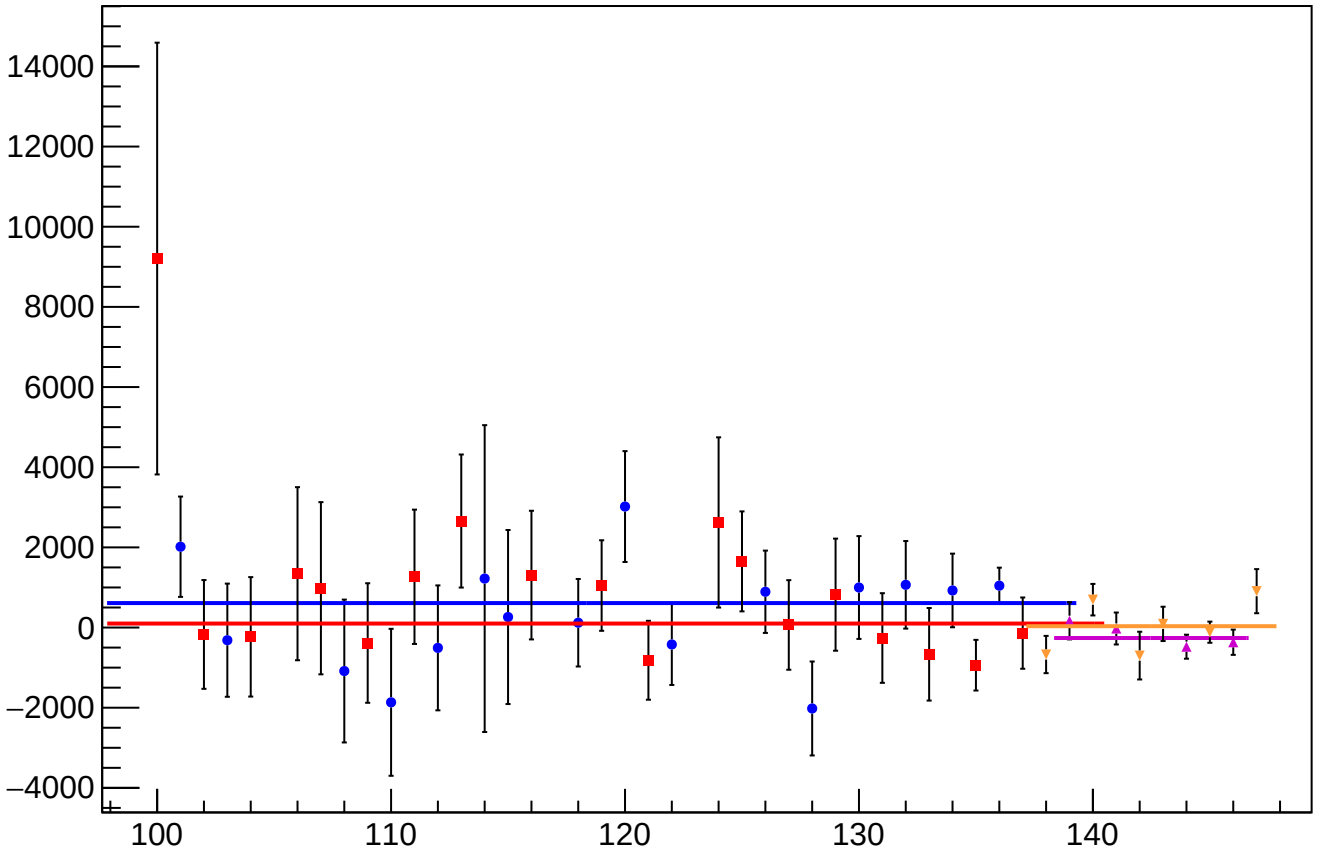
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.851+/-0.013 χ^2/NDF: 1243040.2/21

All: 61.844+/-0.010 χ^2/NDF: 2700048.9/44

- sign 61.836+/-0.014 χ^2/NDF: 1457008.0/22



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

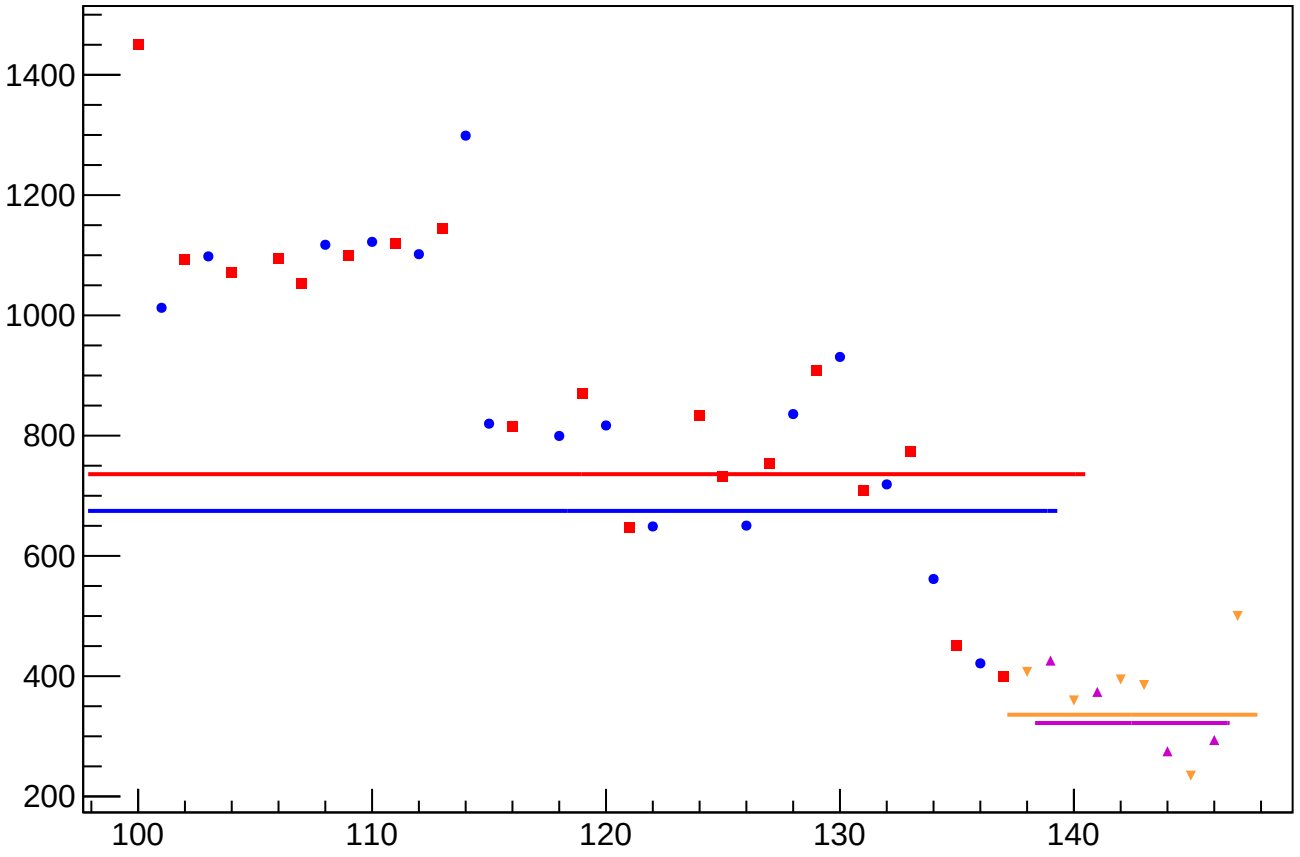
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -260.935+/-176.338 χ^2/NDF:1.8/3

+ sign 192.101+/-139.876 χ^2/NDF: 28.6/21

All: 27.764+/-102.277 χ^2/NDF: 49.7/44

- sign -161.050+/-149.931 χ^2/NDF: 18.1/22



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

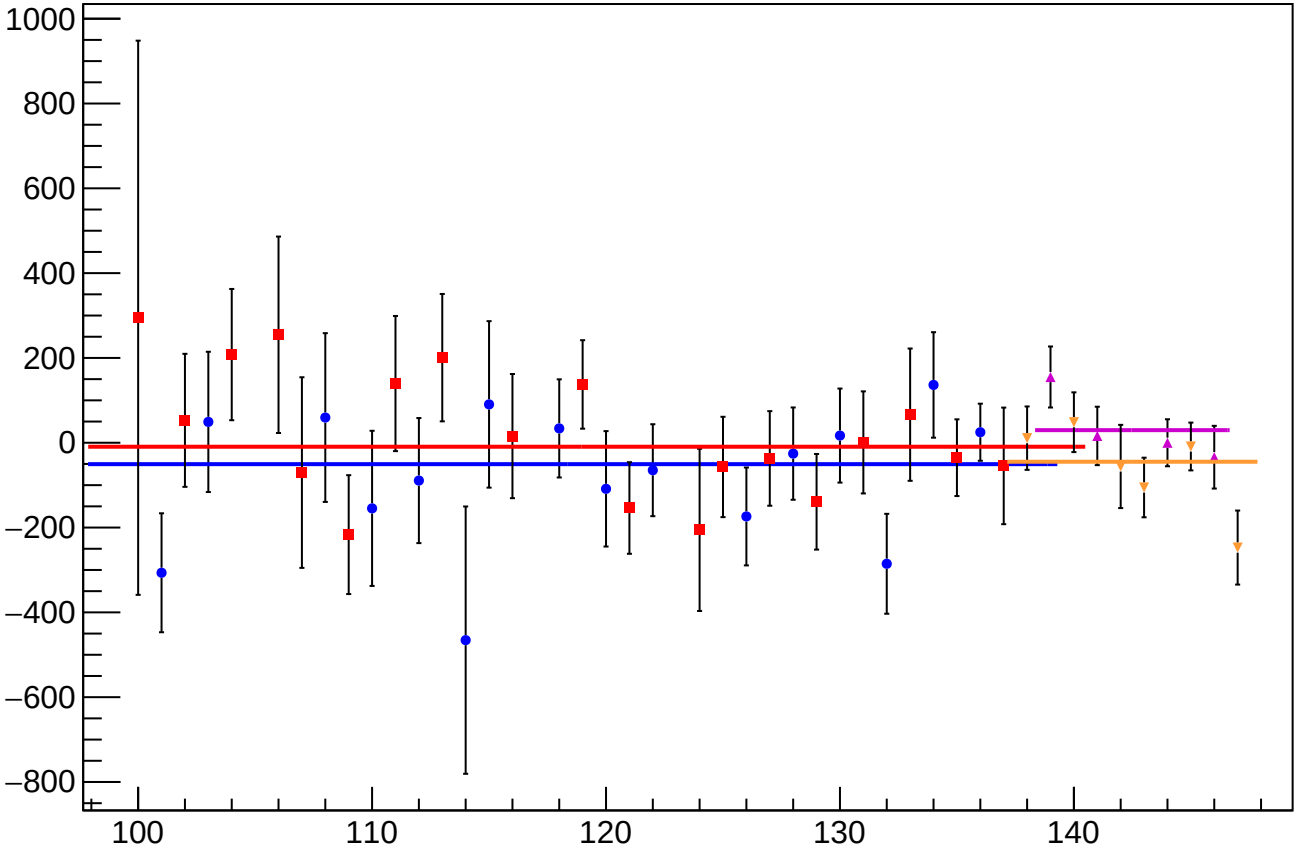
Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

+ sign 429.069+/-0.099 χ^2/NDF: 4531531.1/21

All: 432.653+/-0.072 χ^2/NDF: 9282187.8/44

- sign 436.770+/-0.106 χ^2/NDF: 4747835.2/22

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.759+/-29.711 χ^2/NDF:8.8/5

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

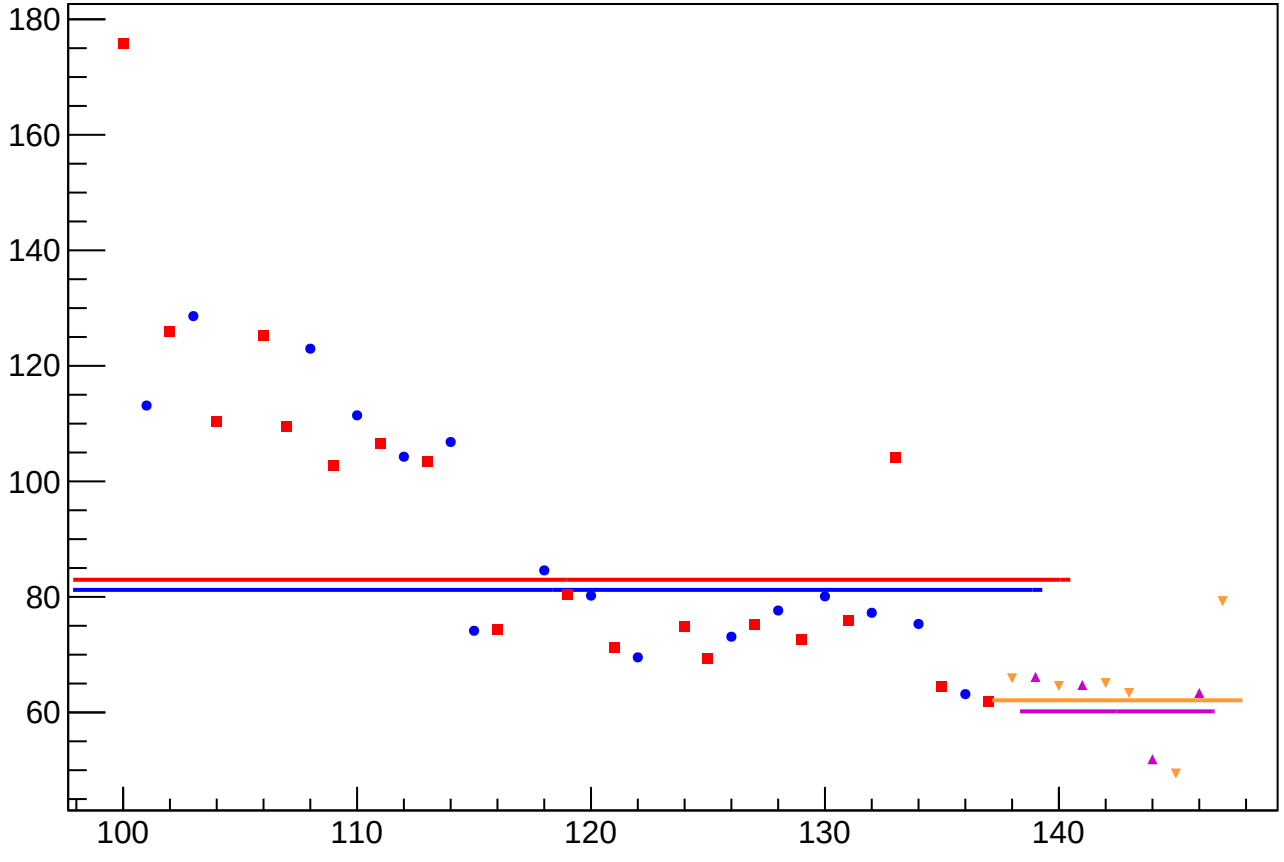
Left In: 29.716+/-33.108 χ^2/NDF:4.1/3

+ sign -47.485+/-21.471 χ^2/NDF: 25.3/21

All: -20.824+/-15.605 χ^2/NDF: 49.0/44

- sign 9.030+/-22.720 χ^2/NDF: 20.4/22

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.101+/-0.021 χ^2/NDF:188720.4/5

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

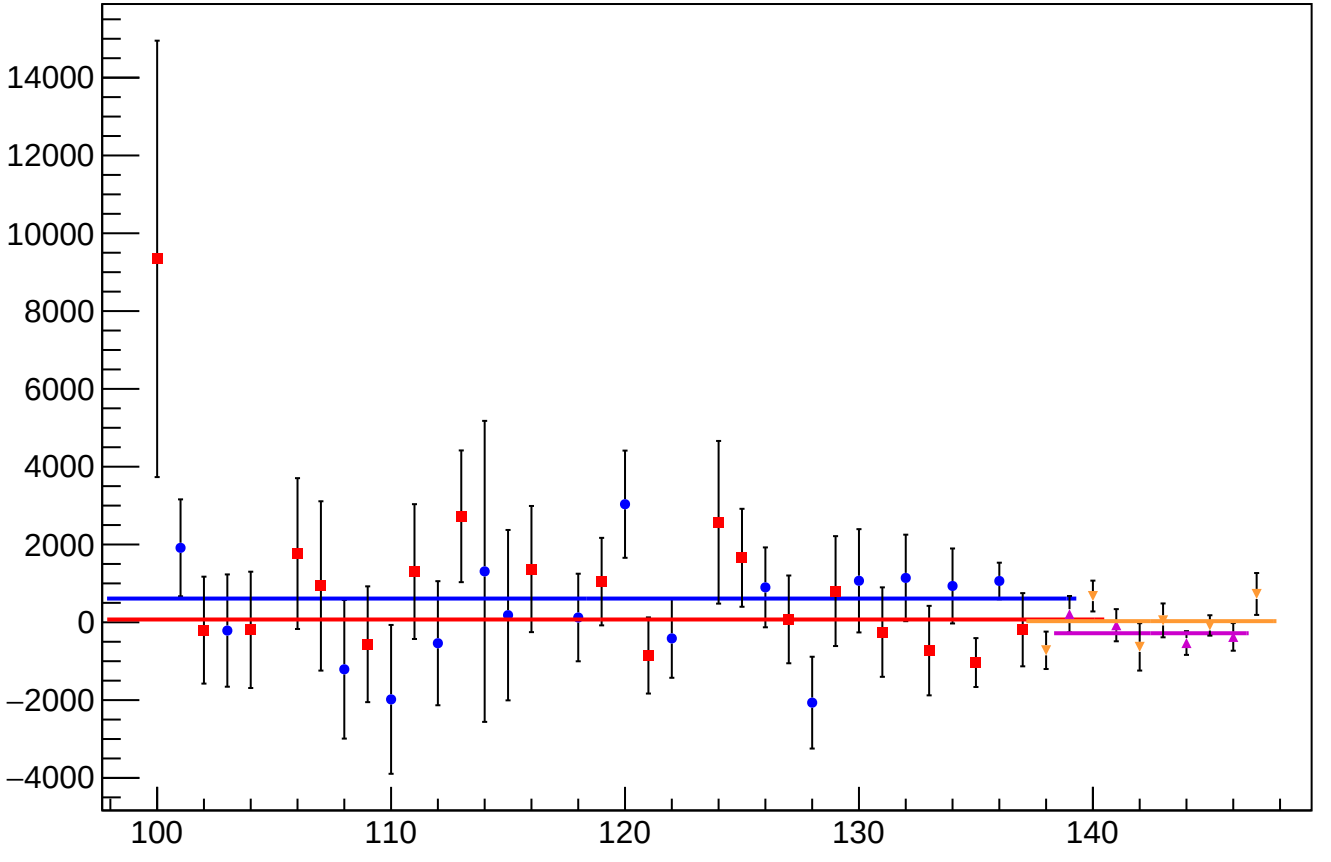
Left In: 60.184+/-0.023 χ^2/NDF:70865.1/3

+ sign 71.235+/-0.015 χ^2/NDF: 1247211.8/21

All: 71.709+/-0.011 χ^2/NDF: 2551798.9/44

- sign 72.240+/-0.016 χ^2/NDF: 1302519.0/22

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 29.626+/-165.158 χ^2/NDF:8.1/5

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

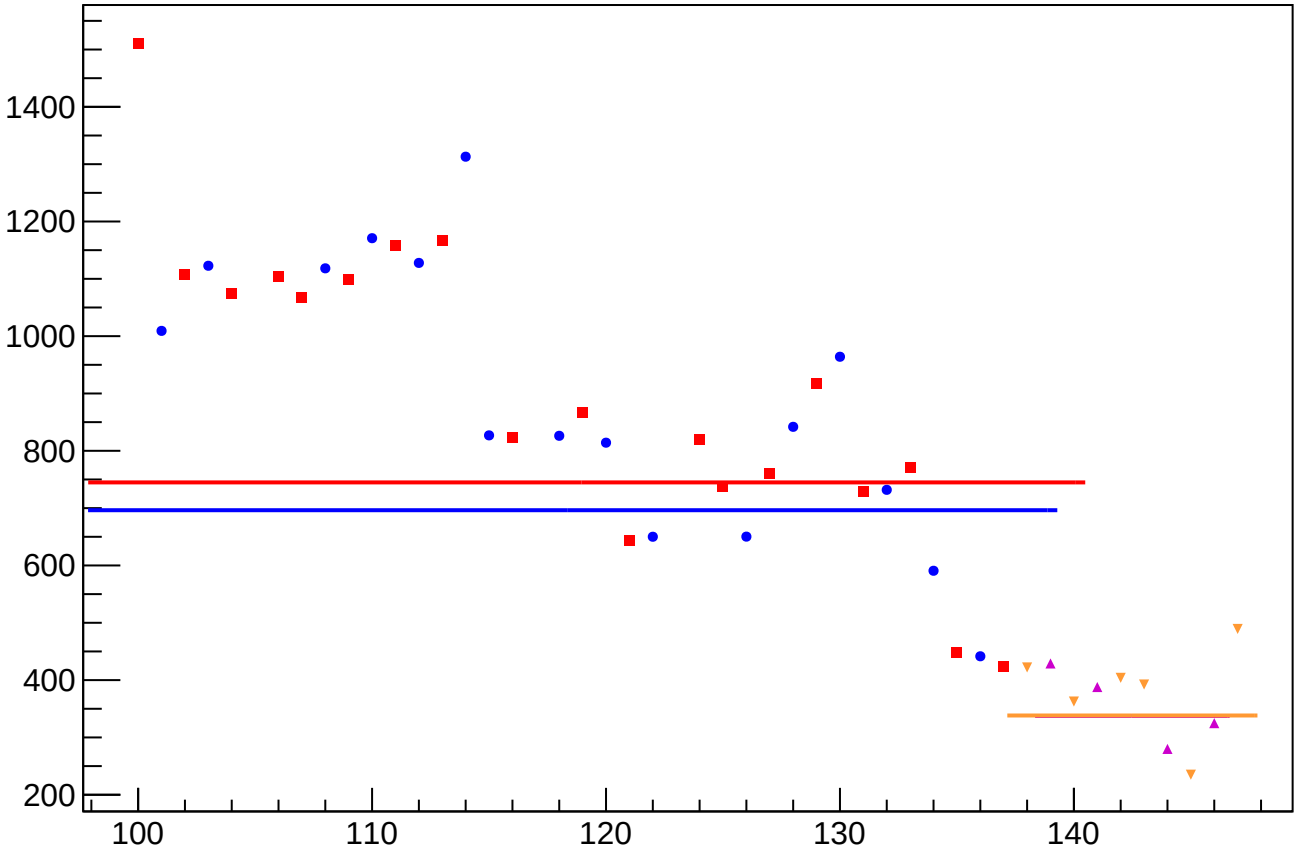
Left In: -280.962+/-185.458 χ^2/NDF:2.1/3

+ sign 184.413+/-141.446 χ^2/NDF: 27.2/21

All: 21.132+/-104.707 χ^2/NDF: 49.5/44

- sign -176.813+/-155.739 χ^2/NDF: 19.3/22

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 338.279+/-0.117 χ^2/NDF:589728.2/5

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

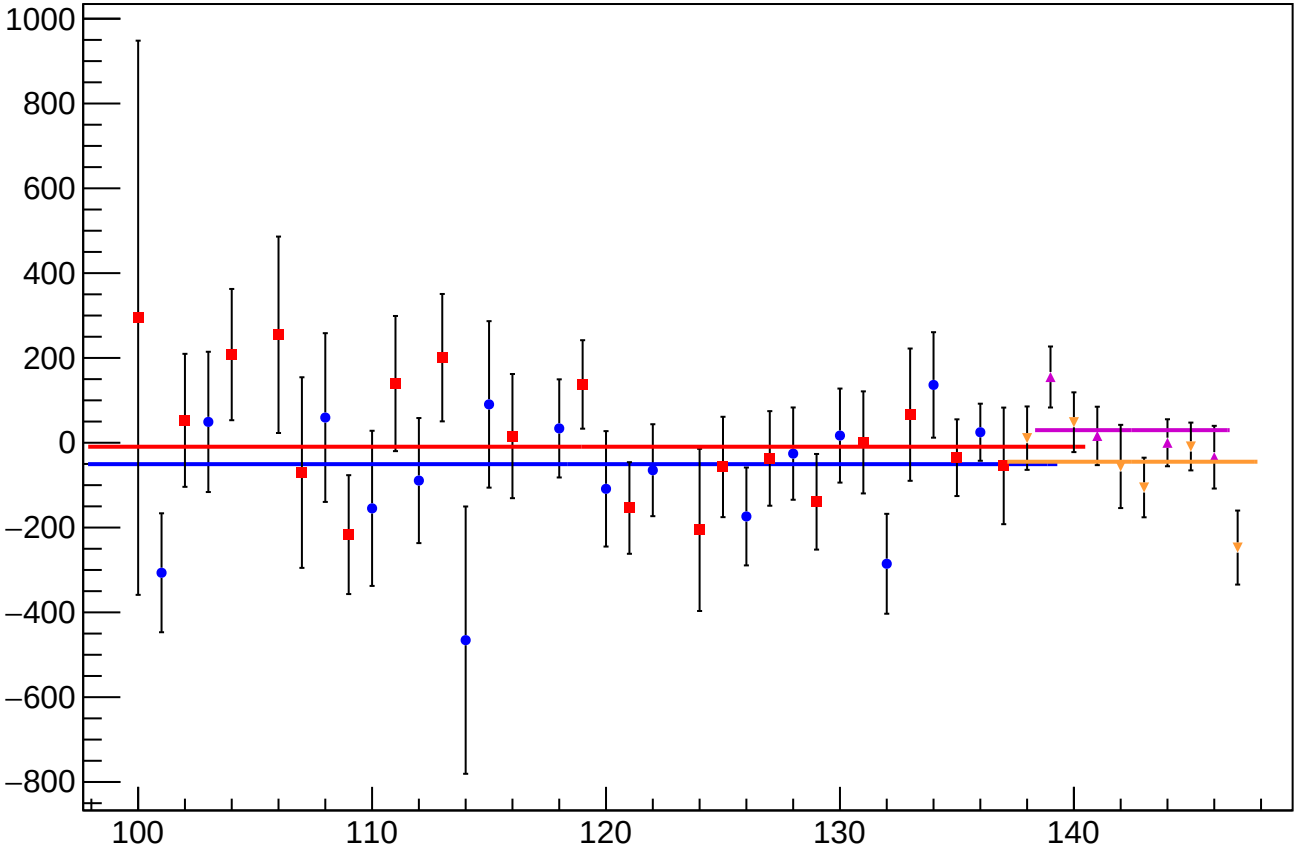
Left In: 337.393+/-0.131 χ^2/NDF:179928.4/3

+ sign 433.720+/-0.100 χ^2/NDF: 4611081.4/21

All: 444.480+/-0.074 χ^2/NDF: 9161413.5/44

- sign 457.523+/-0.110 χ^2/NDF: 4524729.8/22

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.758+/-29.712 χ^2/NDF:8.8/5

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

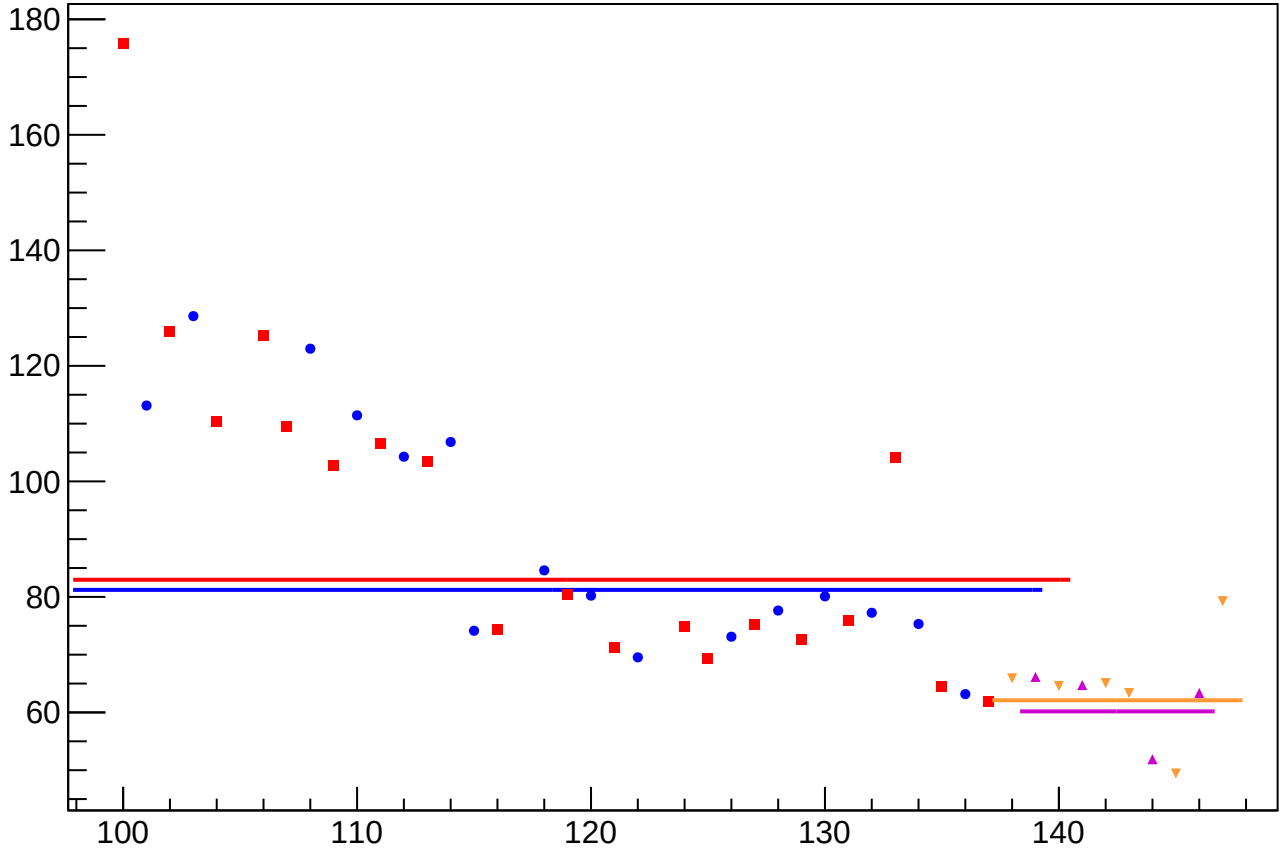
Left In: 29.715+/-33.108 χ^2/NDF:4.1/3

+ sign -47.485+/-21.470 χ^2/NDF: 25.3/21

All: -20.824+/-15.605 χ^2/NDF: 49.0/44

- sign 9.030+/-22.720 χ^2/NDF: 20.4/22

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.101+/-0.021 χ^2/NDF:188717.4/5

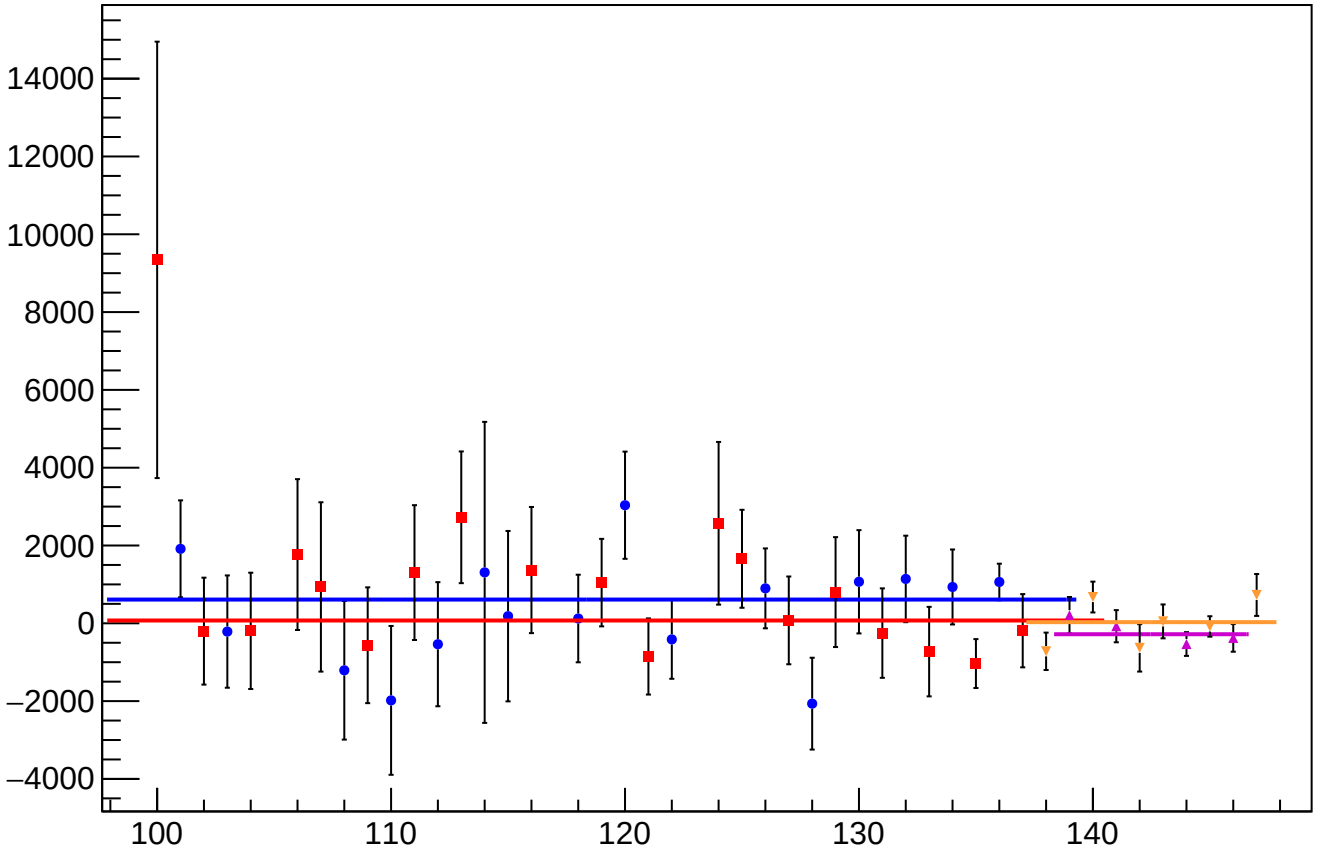
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.8/3

+ sign 71.235+/-0.015 χ^2/NDF: 1247167.5/21

All: 71.709+/-0.011 χ^2/NDF: 2551721.5/44

- sign 72.240+/-0.016 χ^2/NDF: 1302485.8/22



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 29.626+/-165.158 χ^2/NDF:8.1/5

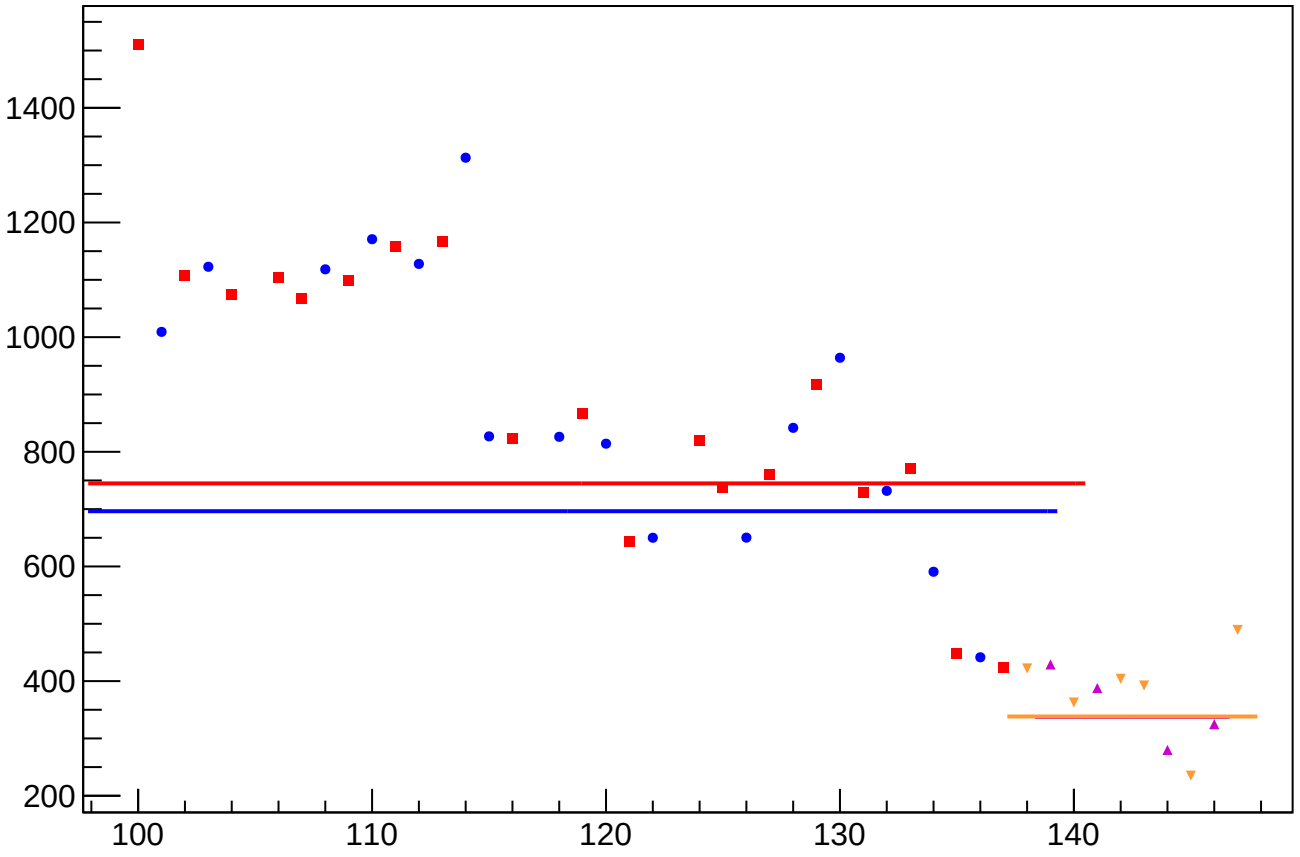
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -280.962+/-185.458 χ^2/NDF:2.1/3

+ sign 184.413+/-141.446 χ^2/NDF: 27.2/21

All: 21.133+/-104.707 χ^2/NDF: 49.5/44

- sign -176.812+/-155.739 χ^2/NDF: 19.3/22



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 338.279+/-0.117 χ^2/NDF:589740.9/5

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

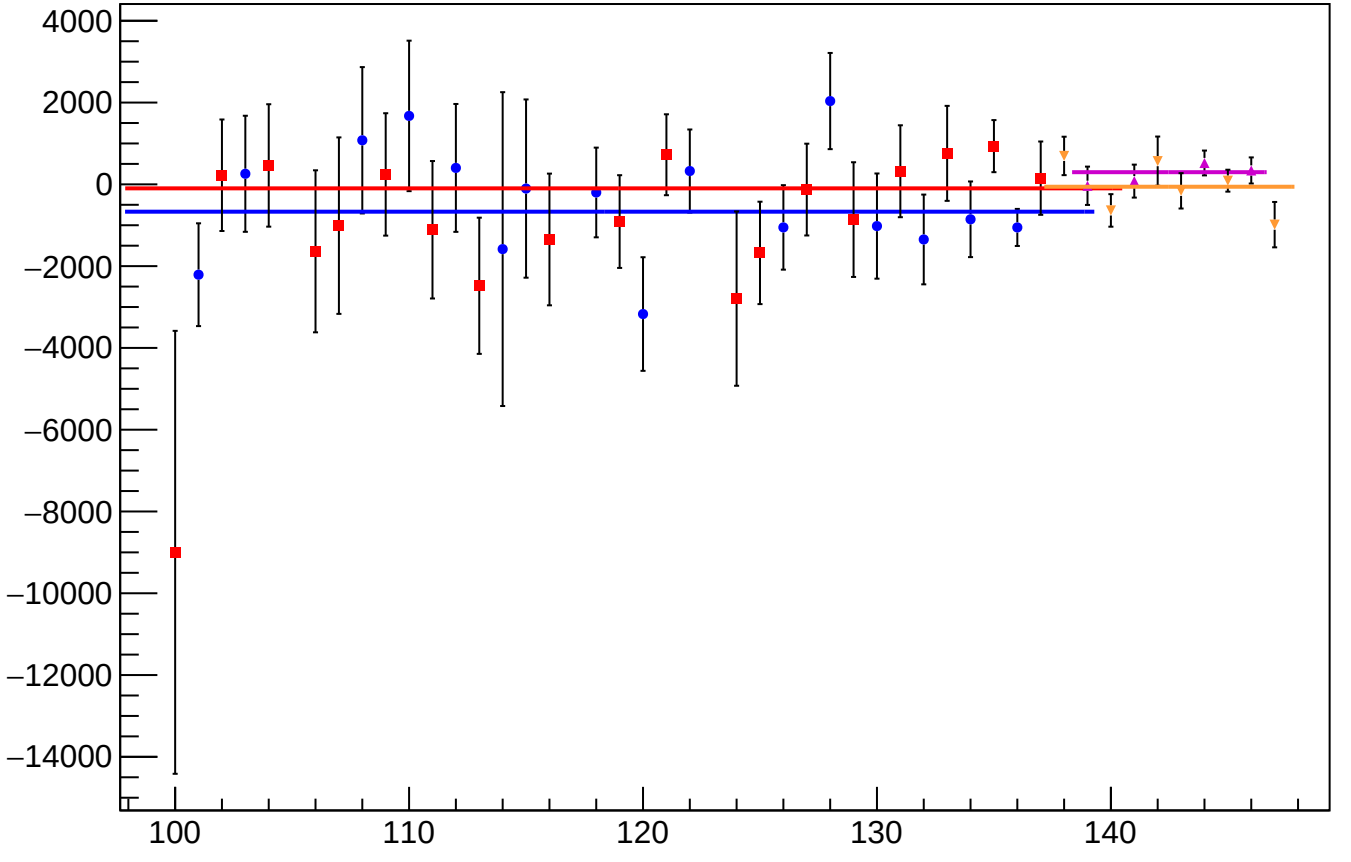
Left In: 337.393+/-0.131 χ^2/NDF:179930.1/3

+ sign 433.720+/-0.100 χ^2/NDF: 4611079.8/21

All: 444.479+/-0.074 χ^2/NDF: 9161397.1/44

- sign 457.523+/-0.110 χ^2/NDF: 4524714.4/22

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -58.383+/-166.364 χ^2/NDF:8.9/5

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

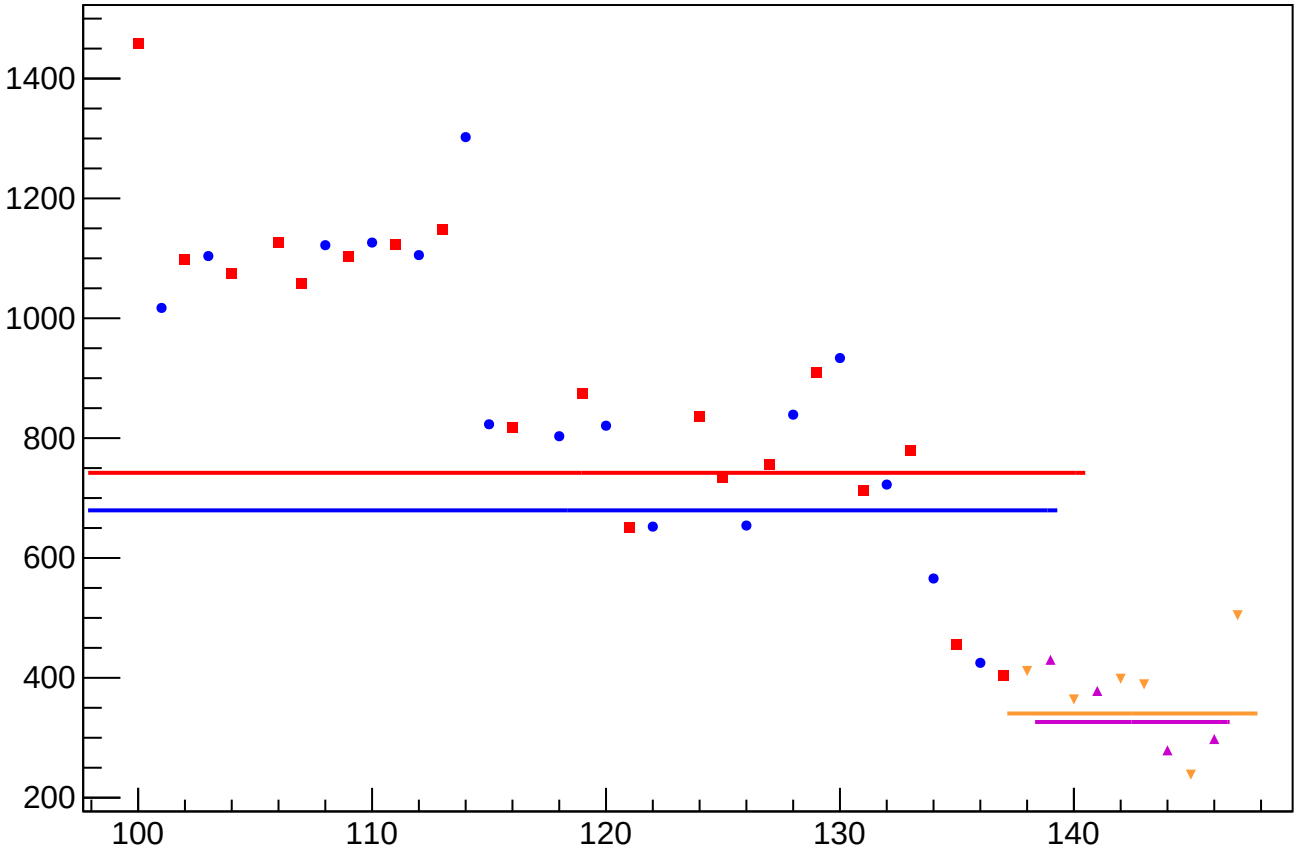
Left In: 297.579+/-178.556 χ^2/NDF:1.4/3

+ sign -227.681+/-141.411 χ^2/NDF: 28.8/21

All: -34.730+/-103.358 χ^2/NDF: 50.4/44

- sign 186.568+/-151.443 χ^2/NDF: 17.6/22

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 340.502+/-0.118 χ^2/NDF:561132.8/5

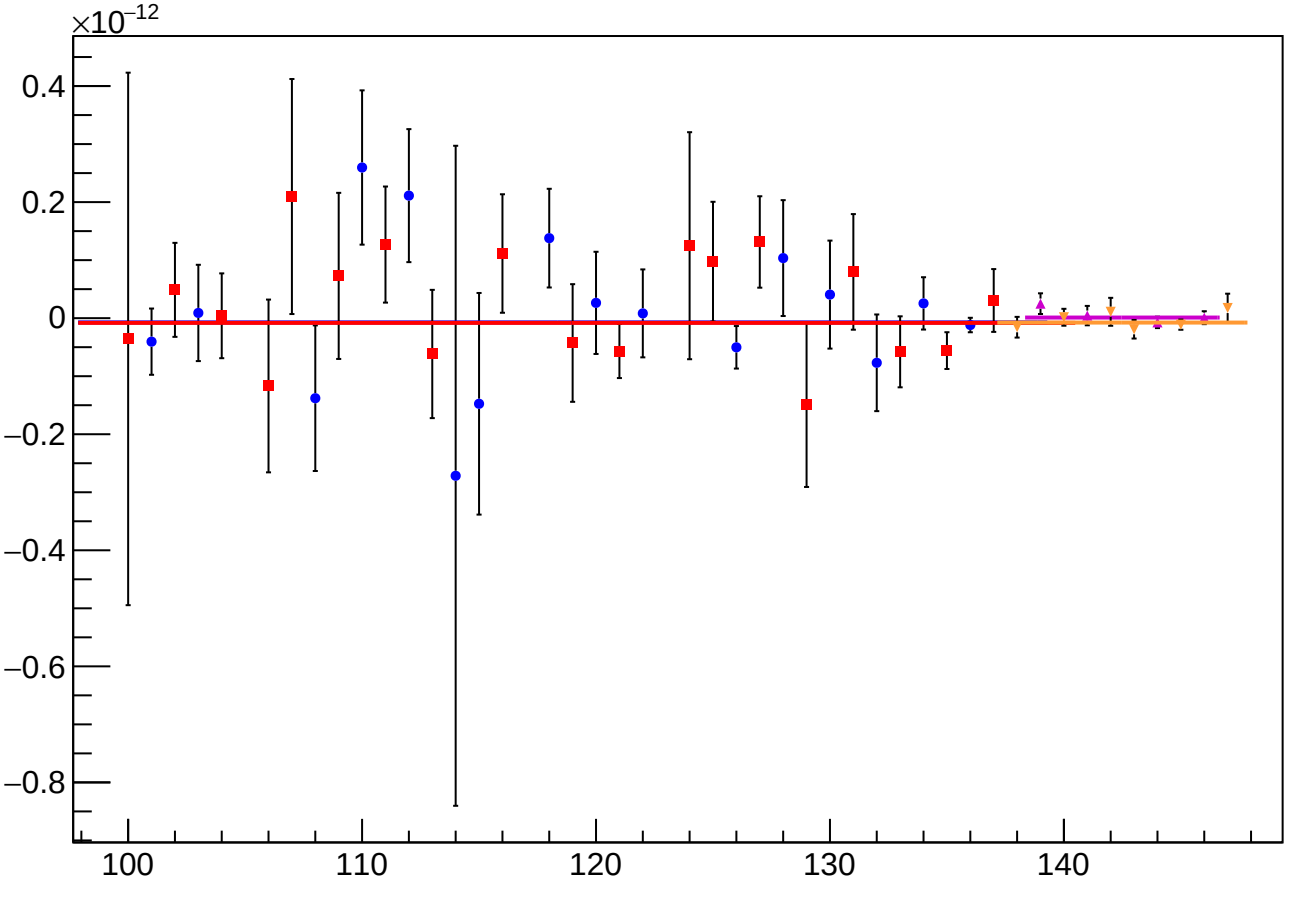
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 326.326+/-0.126 χ^2/NDF:195451.2/3

+ sign 434.559+/-0.100 χ^2/NDF: 4465925.2/21

All: 438.490+/-0.073 χ^2/NDF: 9211979.1/44

- sign 442.998+/-0.107 χ^2/NDF: 4742736.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

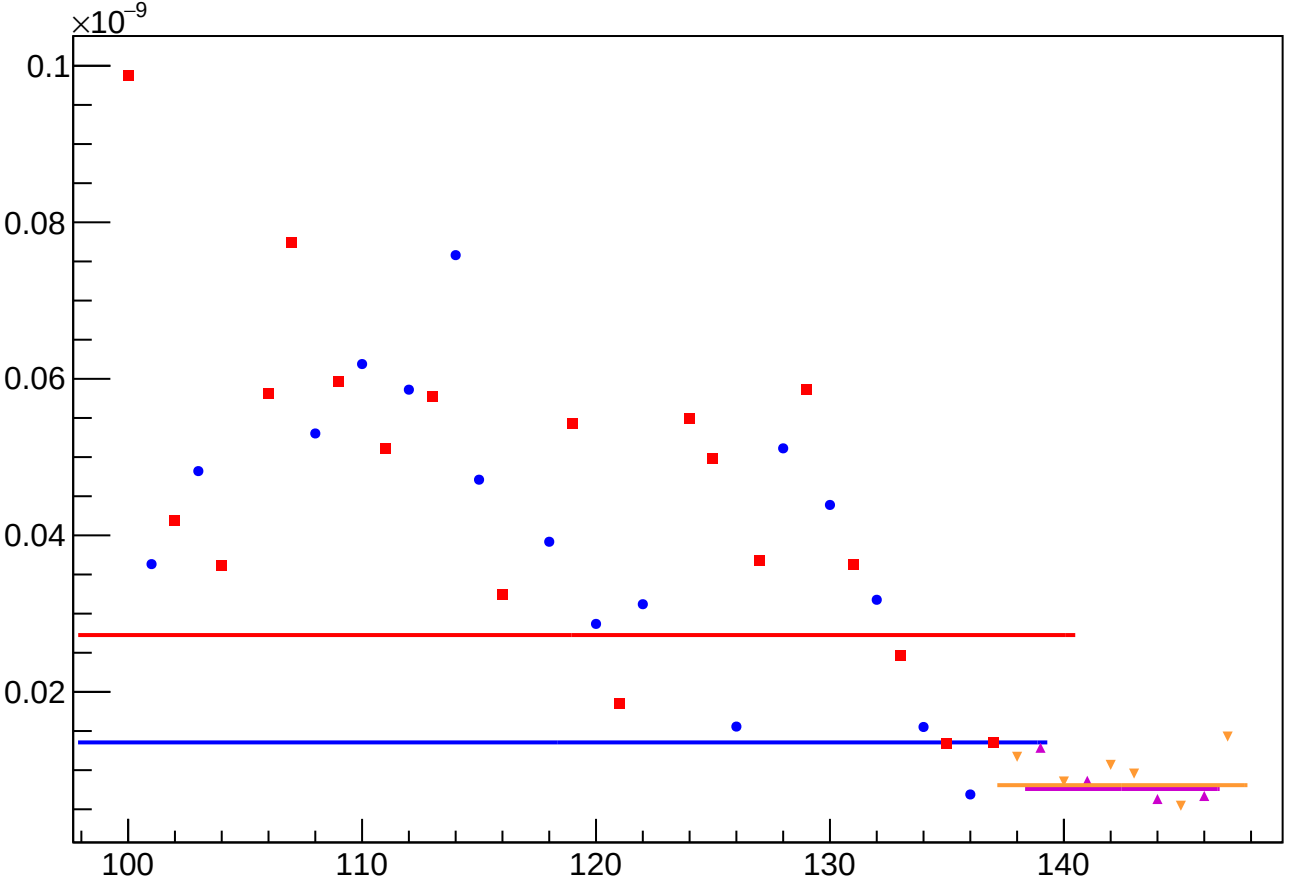
Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/21

All: -0.000+/-0.000 χ^2/NDF: 40.9/44

- sign -0.000+/-0.000 χ^2/NDF: 19.8/22

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:430827.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

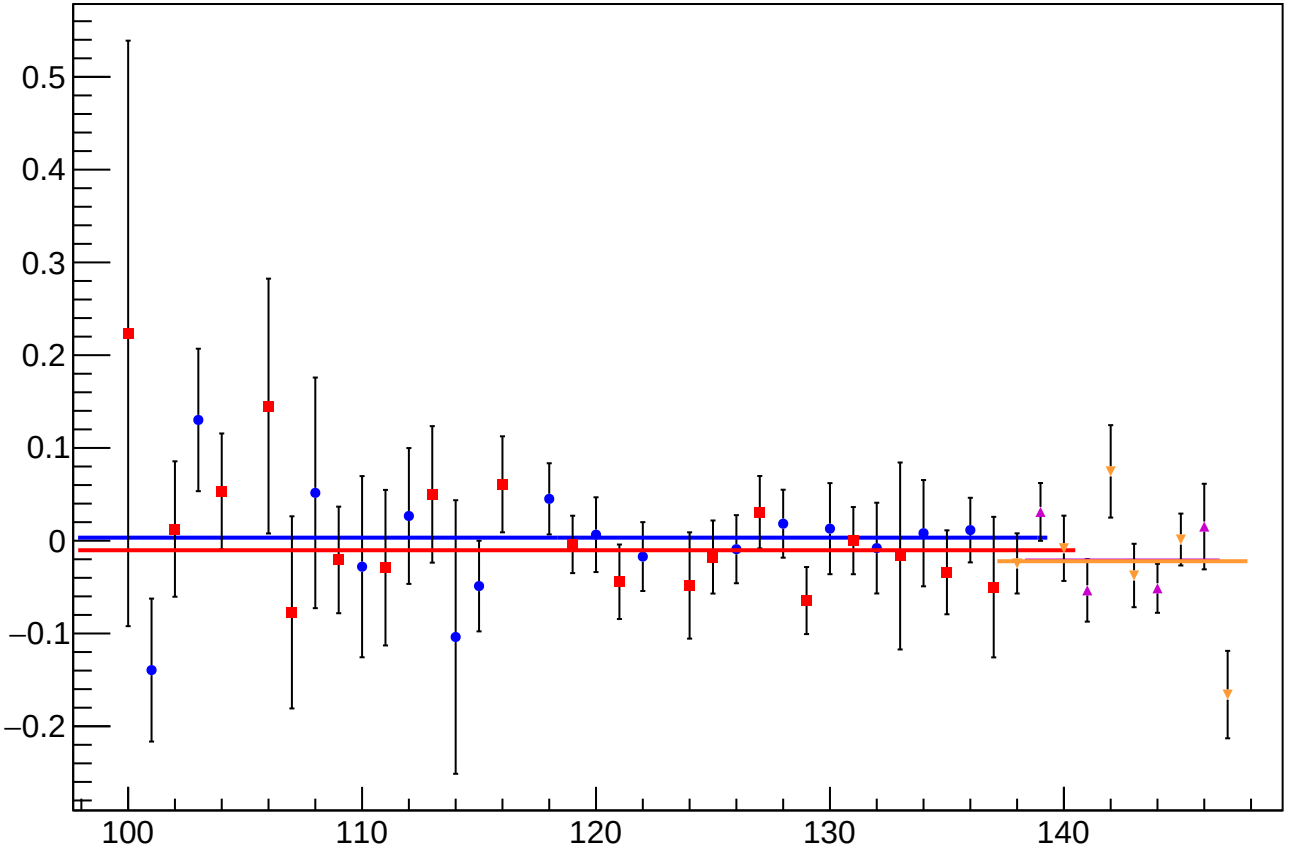
Left In: 0.000+/-0.000 χ^2/NDF:229313.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3887971.2/21

All: 0.000+/-0.000 χ^2/NDF: 8137637.1/44

- sign 0.000+/-0.000 χ^2/NDF: 4242288.1/22

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: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

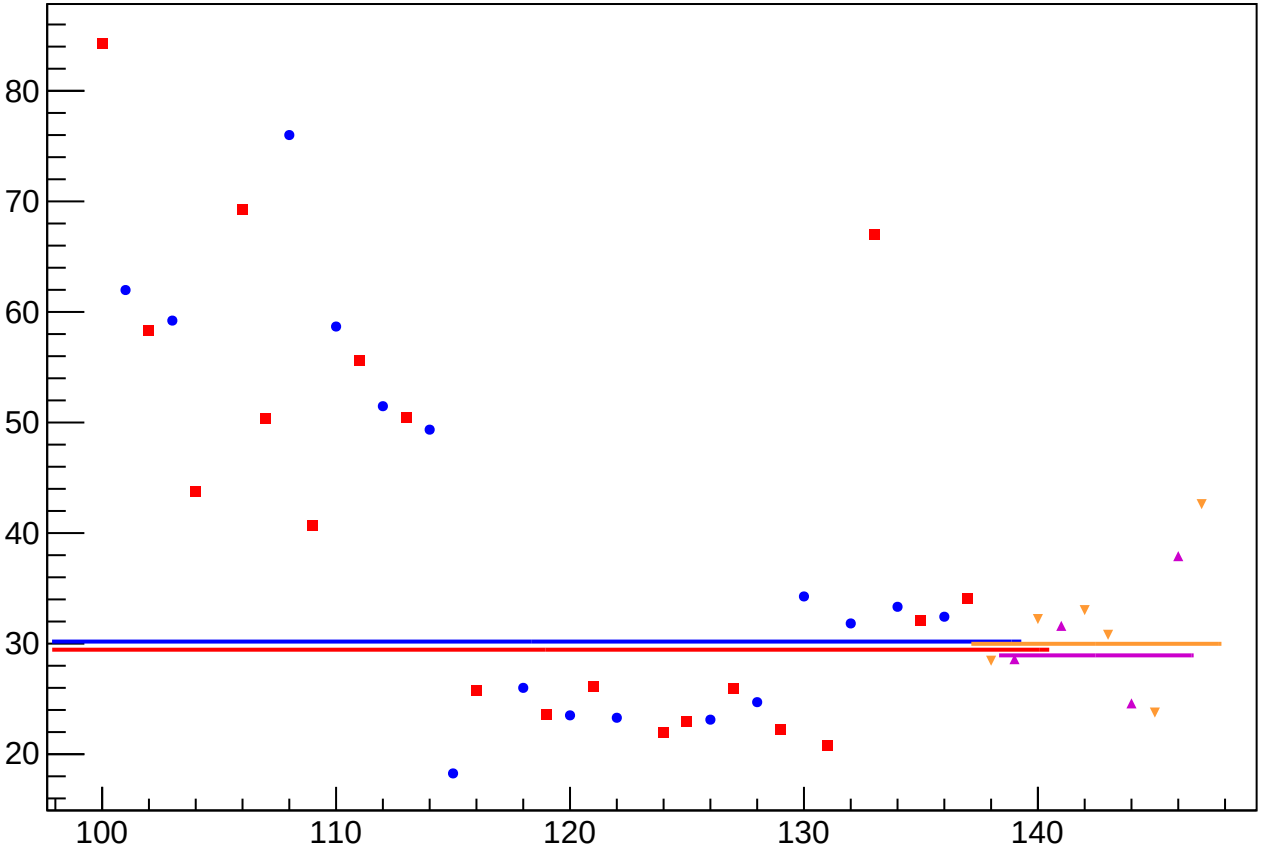
Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.011+/-0.007 χ^2/NDF: 43.5/44

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22

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: 29.985+/-0.010 χ^2/NDF:263759.1/5

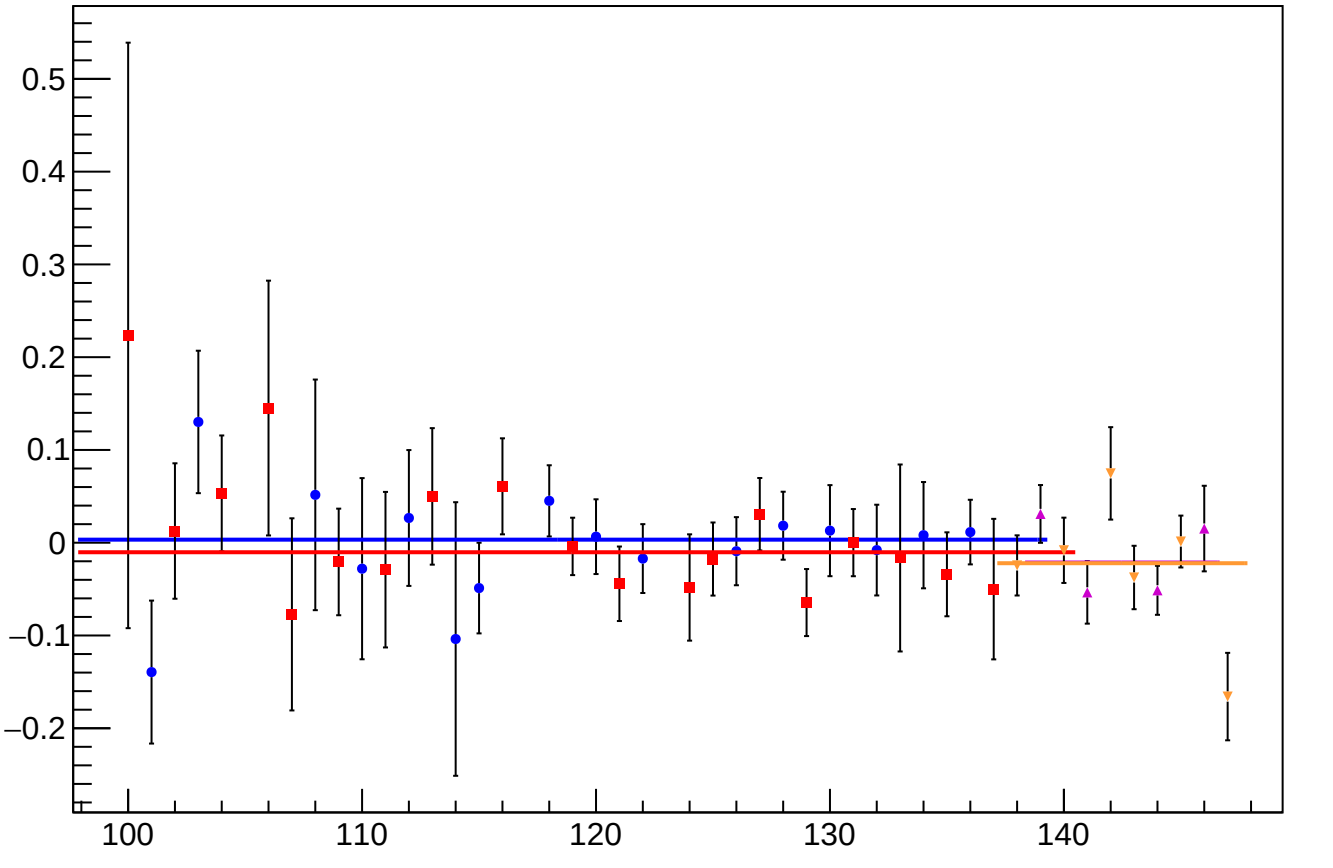
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

+ sign 30.102+/-0.007 χ^2/NDF: 1951358.7/21

All: 29.695+/-0.005 χ^2/NDF: 3951468.4/44

- sign 29.273+/-0.007 χ^2/NDF: 1992428.7/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

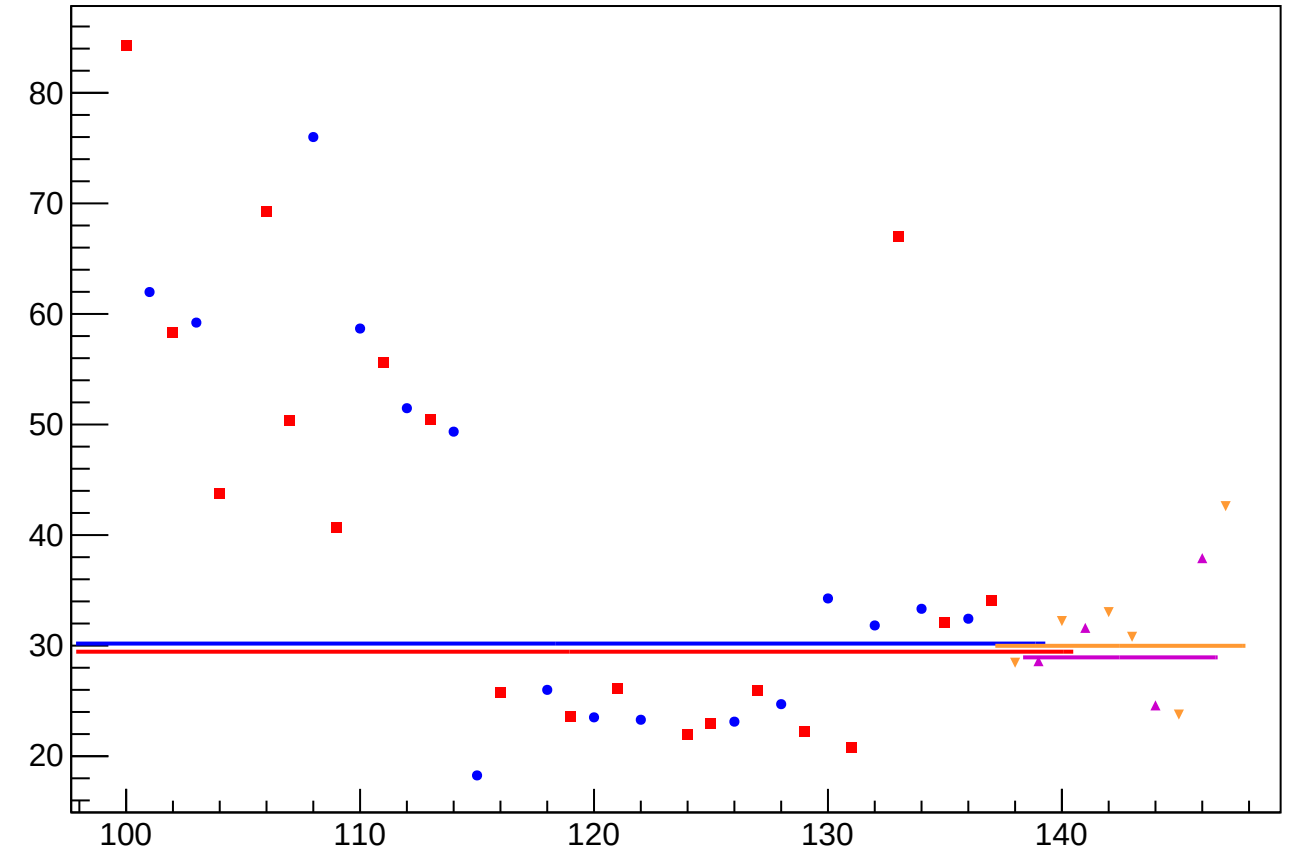
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.011+/-0.007 χ^2/NDF: 43.5/44

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.985+/-0.010 χ^2/NDF:263759.1/5

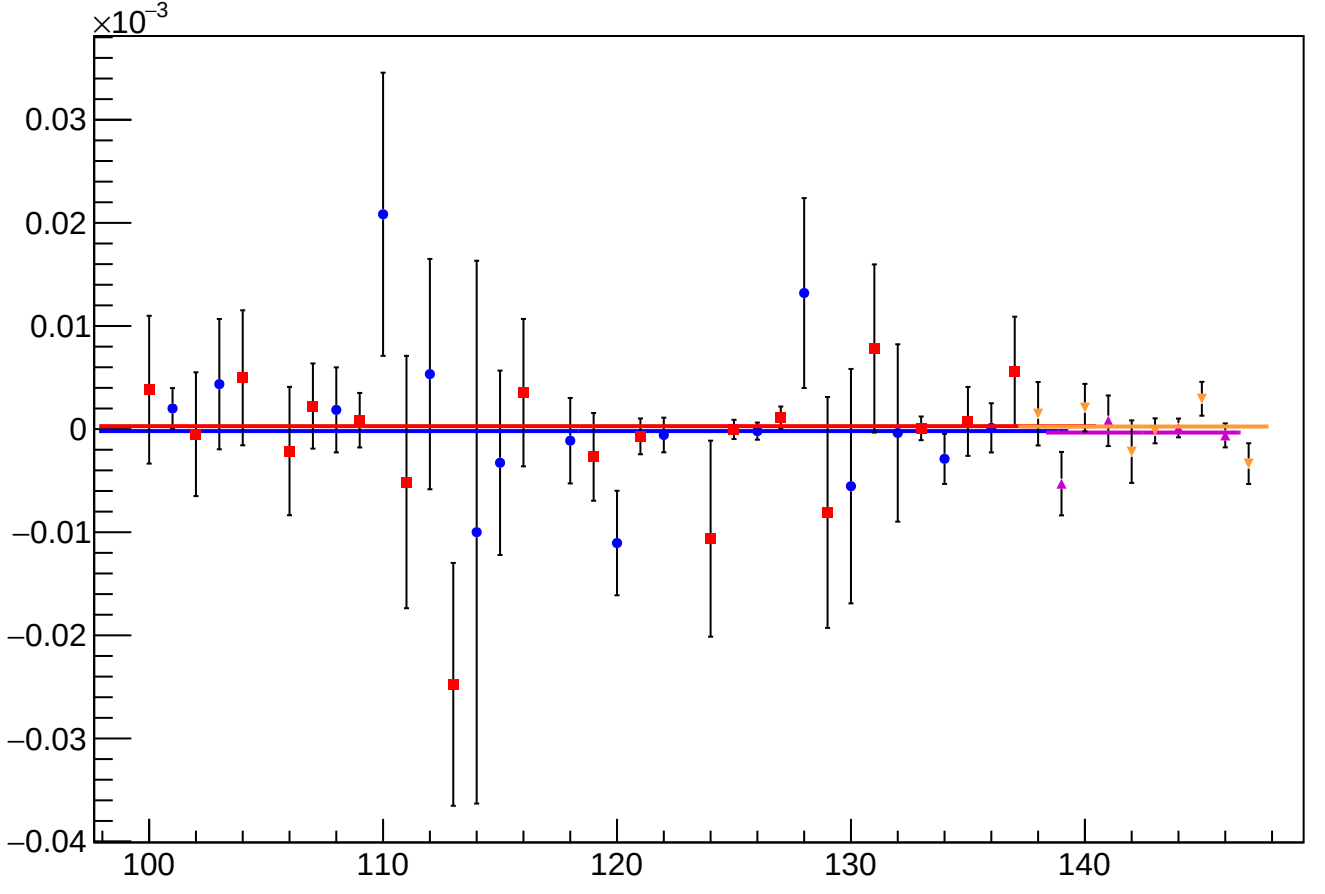
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

+ sign 30.102+/-0.007 χ^2/NDF: 1951358.7/21

All: 29.695+/-0.005 χ^2/NDF: 3951468.4/44

- sign 29.273+/-0.007 χ^2/NDF: 1992428.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/5

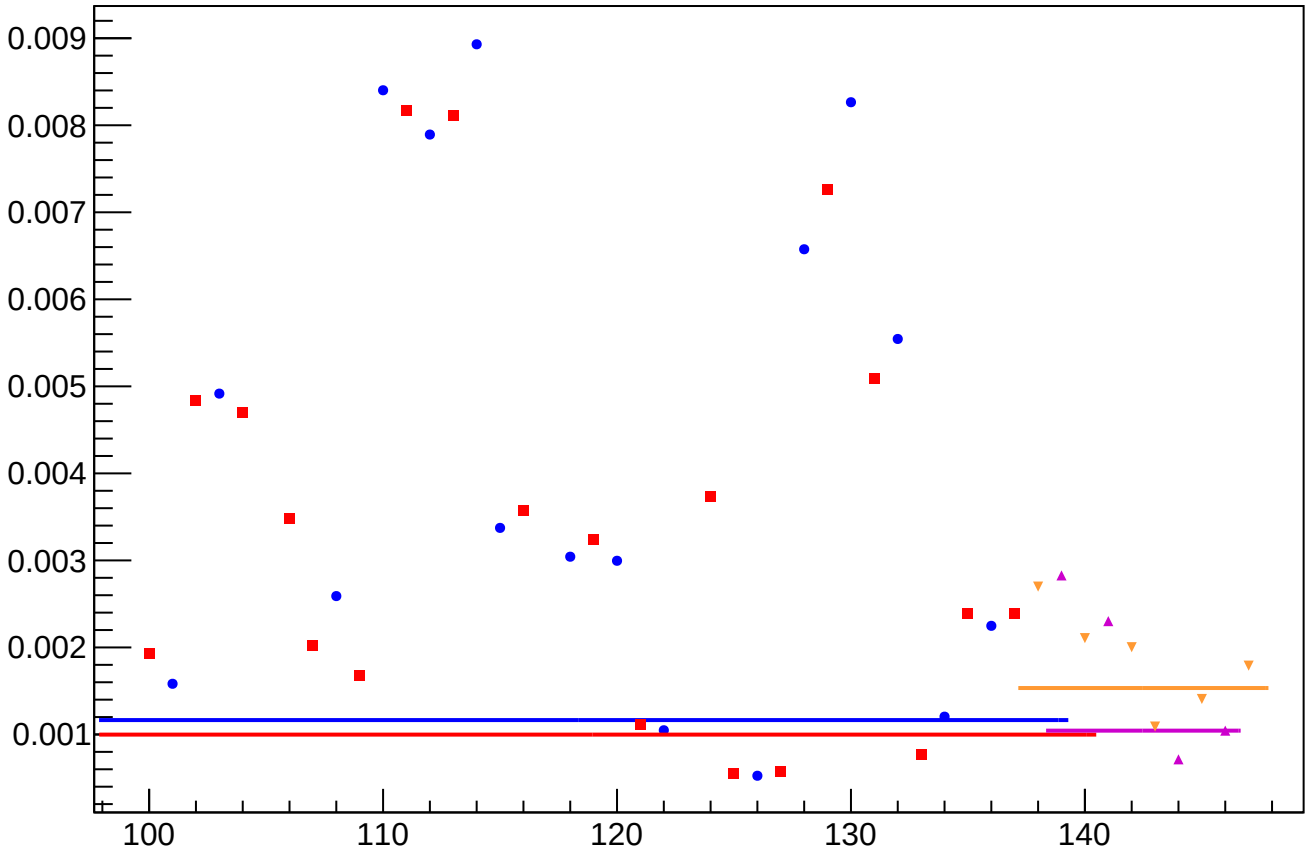
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/21

All: 0.000+/-0.000 χ^2/NDF: 36.0/44

- sign 0.000+/-0.000 χ^2/NDF: 15.1/22



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:771706.6/5

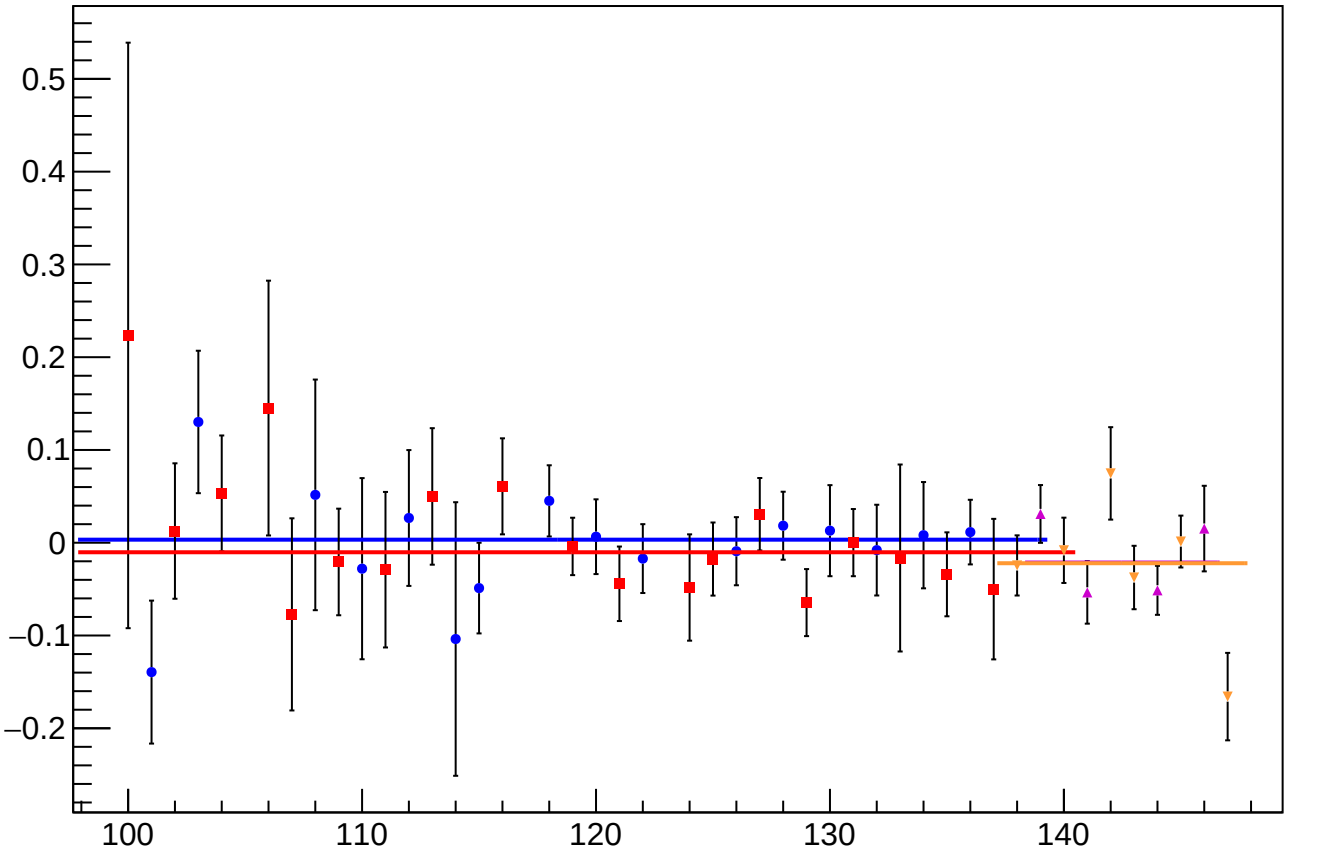
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

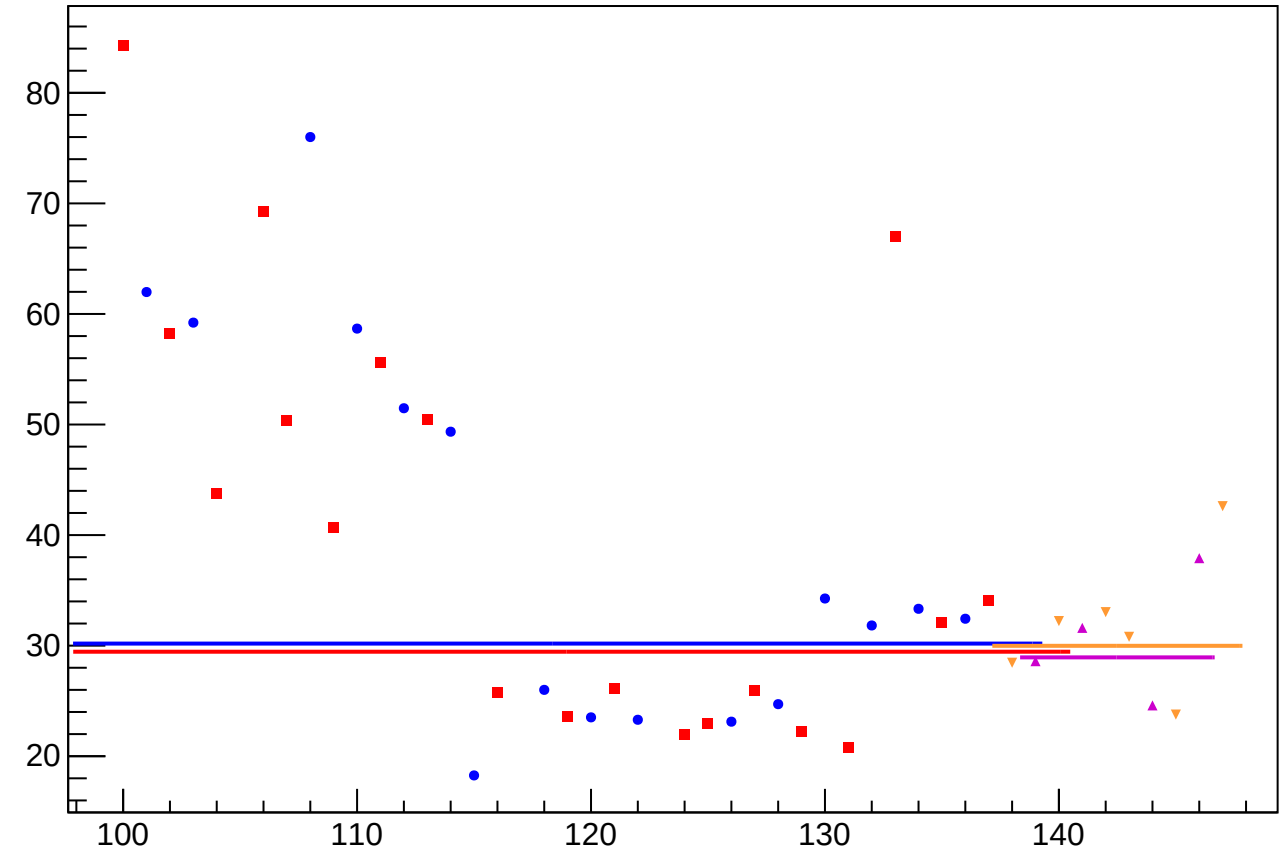
Left In: 0.001+/-0.000 χ^2/NDF:1460048.3/3

+ sign 0.001+/-0.000 χ^2/NDF: 7935495.1/21

All: 0.001+/-0.000 χ^2/NDF: 16772381.8/44

- sign 0.001+/-0.000 χ^2/NDF: 8402974.2/22


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.015 χ²/NDF:14.1/5
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.021+/-0.016 χ²/NDF:5.7/3
+ sign -0.007+/-0.009 χ²/NDF: 26.0/21
All: -0.011+/-0.007 χ²/NDF: 43.5/44
- sign -0.014+/-0.010 χ²/NDF: 17.2/22



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.985+/-0.010 χ^2/NDF:263743.5/5

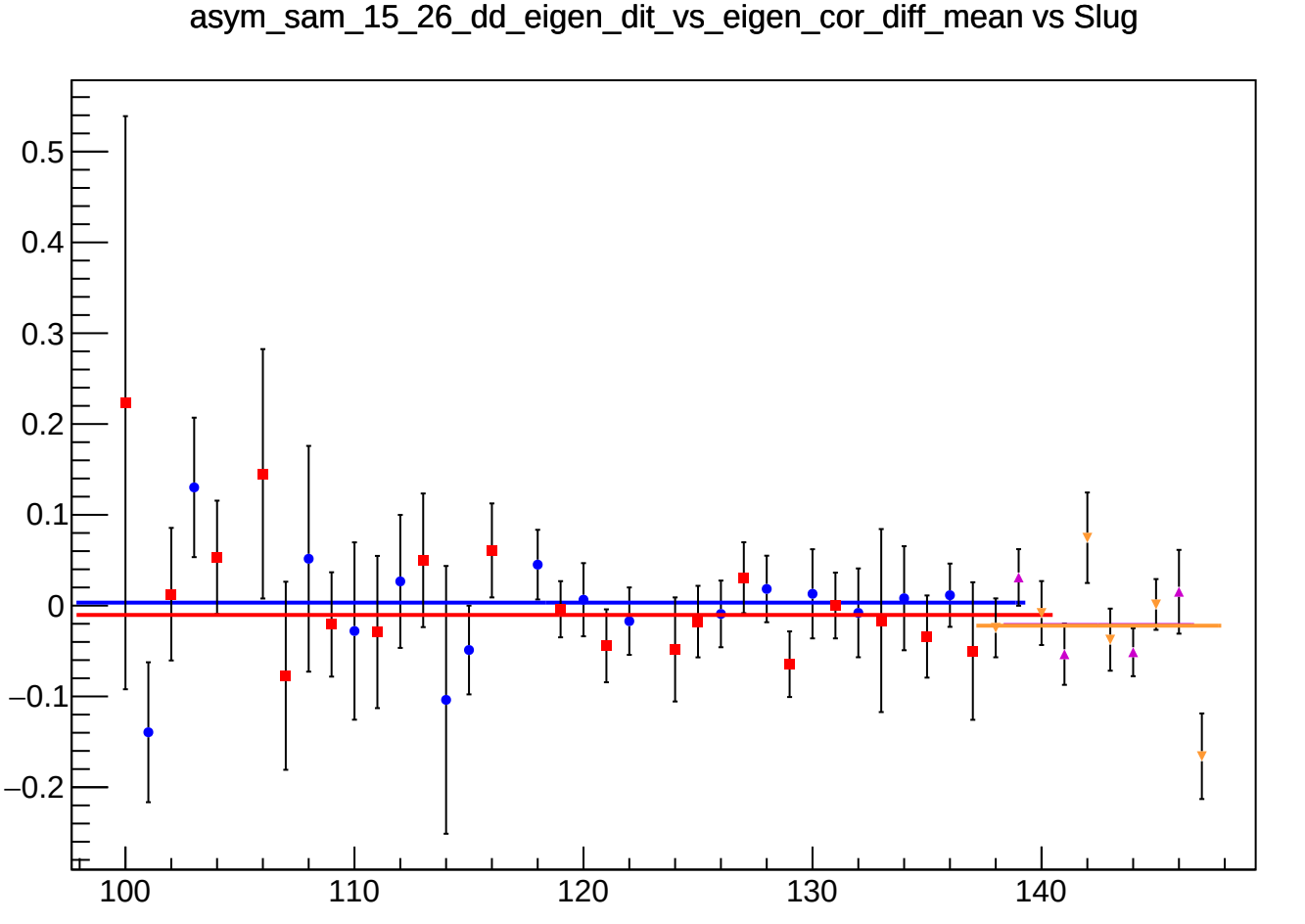
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

+ sign 30.103+/-0.007 χ^2/NDF: 1951156.9/21

All: 29.695+/-0.005 χ^2/NDF: 3951266.9/44

- sign 29.273+/-0.007 χ^2/NDF: 1992420.5/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

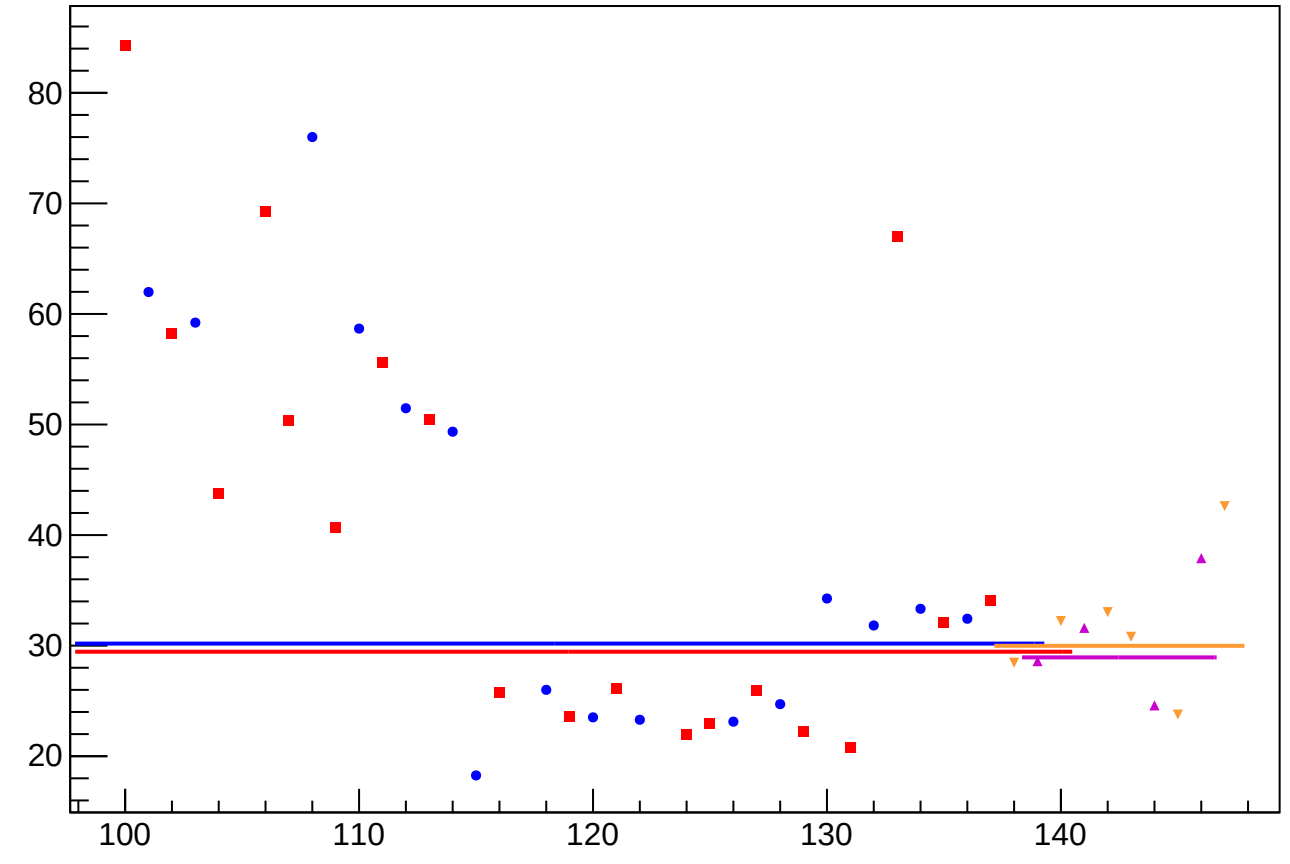
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.011+/-0.007 χ^2/NDF: 43.5/44

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.985+/-0.010 χ^2/NDF:263743.5/5

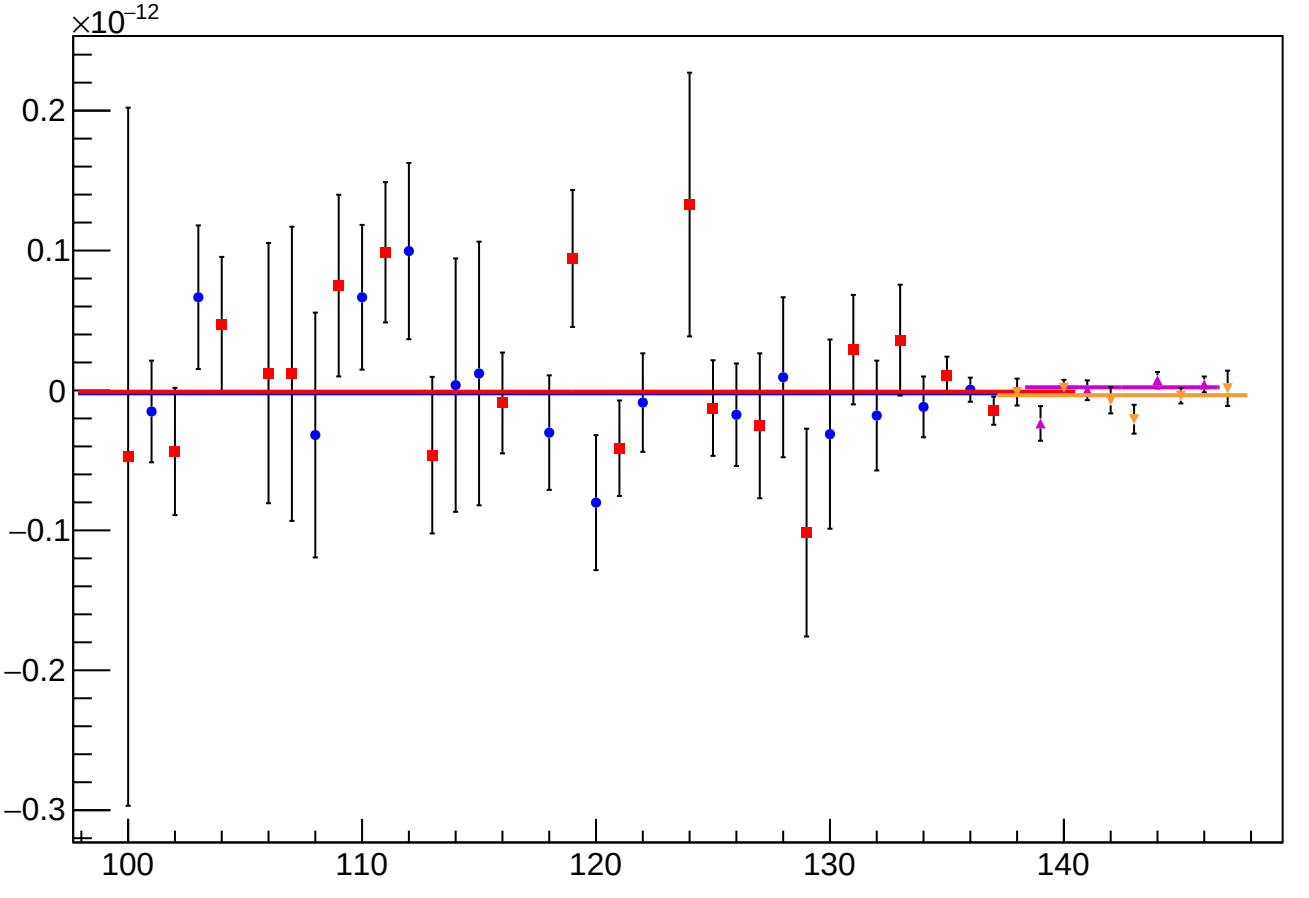
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

+ sign 30.103+/-0.007 χ^2/NDF: 1951156.9/21

All: 29.695+/-0.005 χ^2/NDF: 3951266.9/44

- sign 29.273+/-0.007 χ^2/NDF: 1992420.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

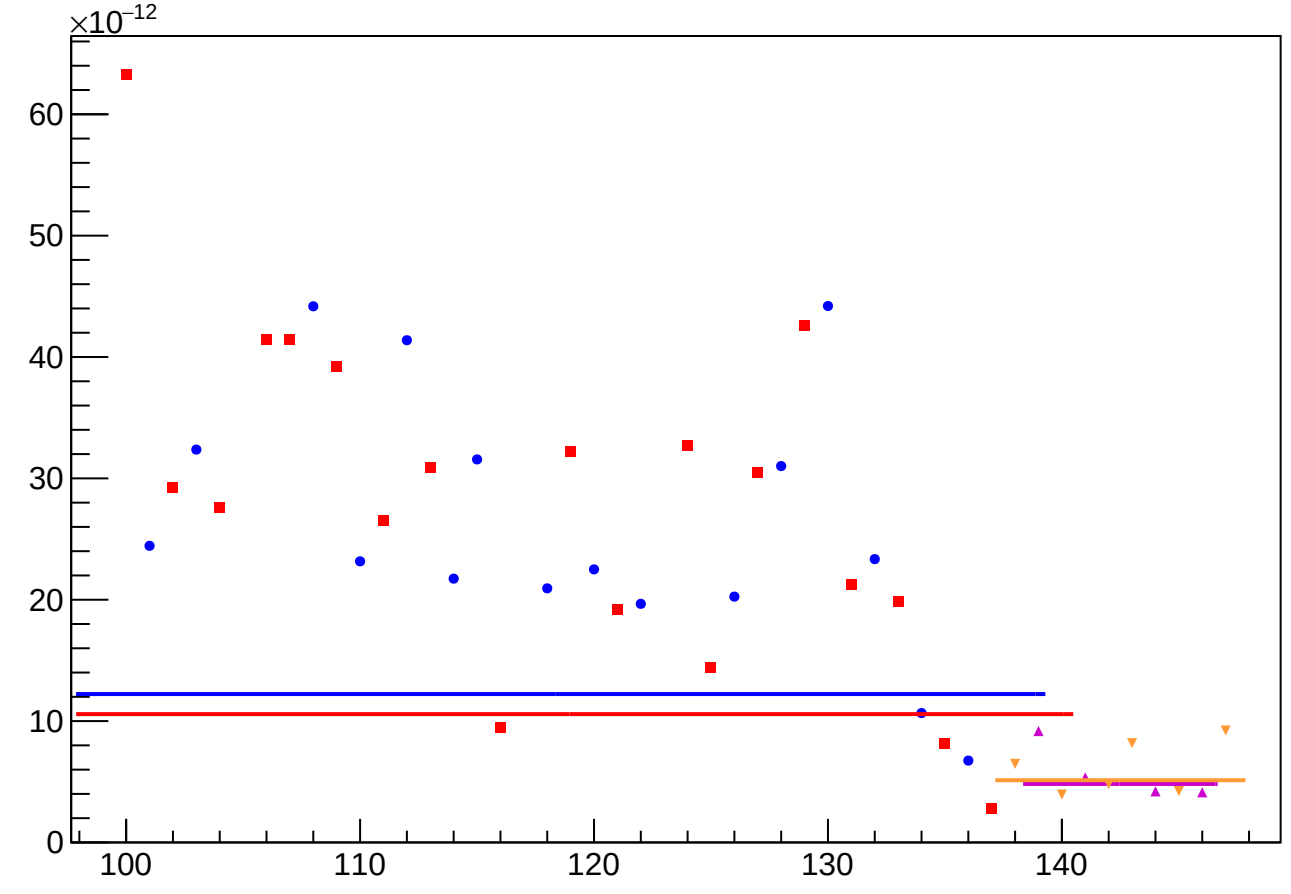
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/21

All: -0.000+/-0.000 χ^2/NDF: 42.6/44

- sign 0.000+/-0.000 χ^2/NDF: 26.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:565264.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

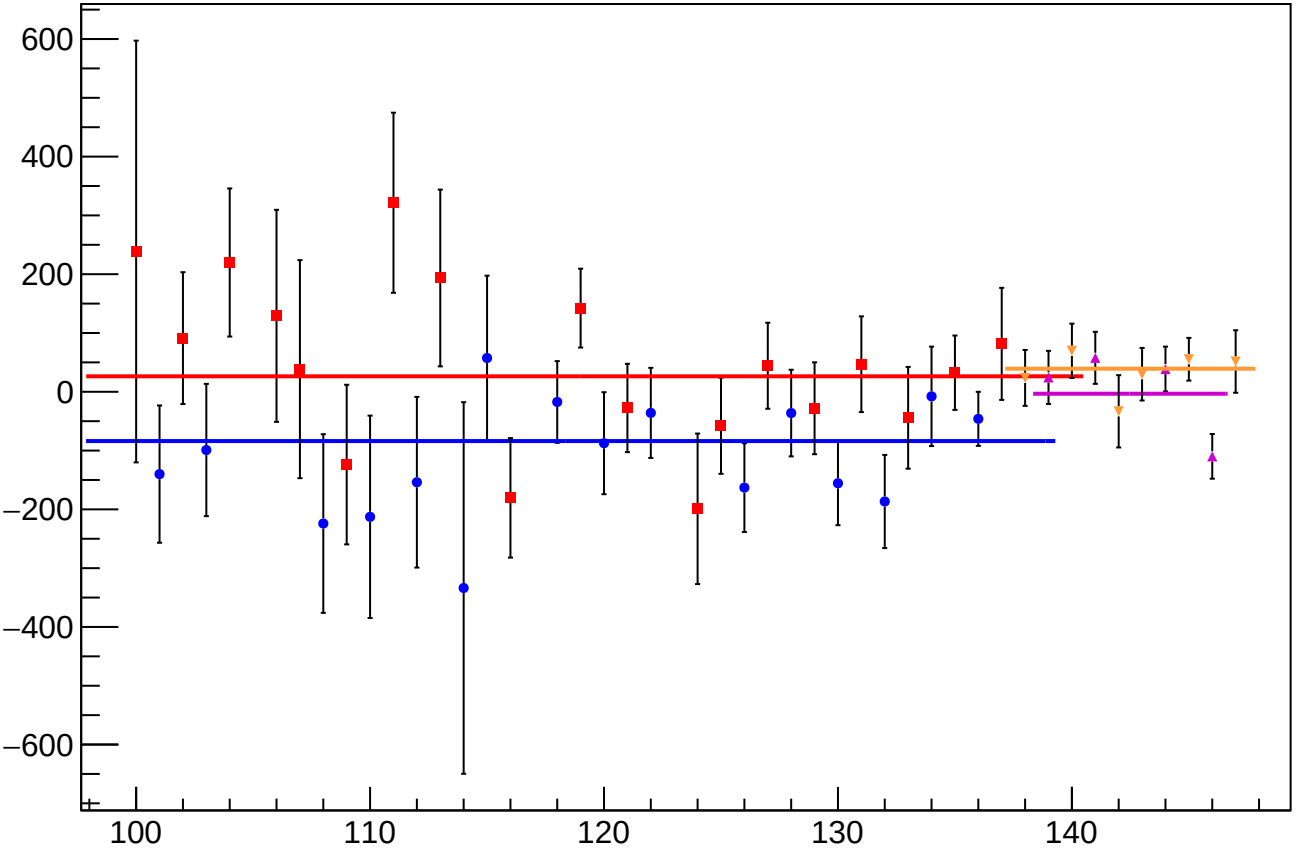
Left In: 0.000+/-0.000 χ^2/NDF:309983.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5791610.8/21

All: 0.000+/-0.000 χ^2/NDF: 12072064.8/44

- sign 0.000+/-0.000 χ^2/NDF: 6265006.8/22

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.263+/-18.934 χ^2/NDF:2.2/5

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

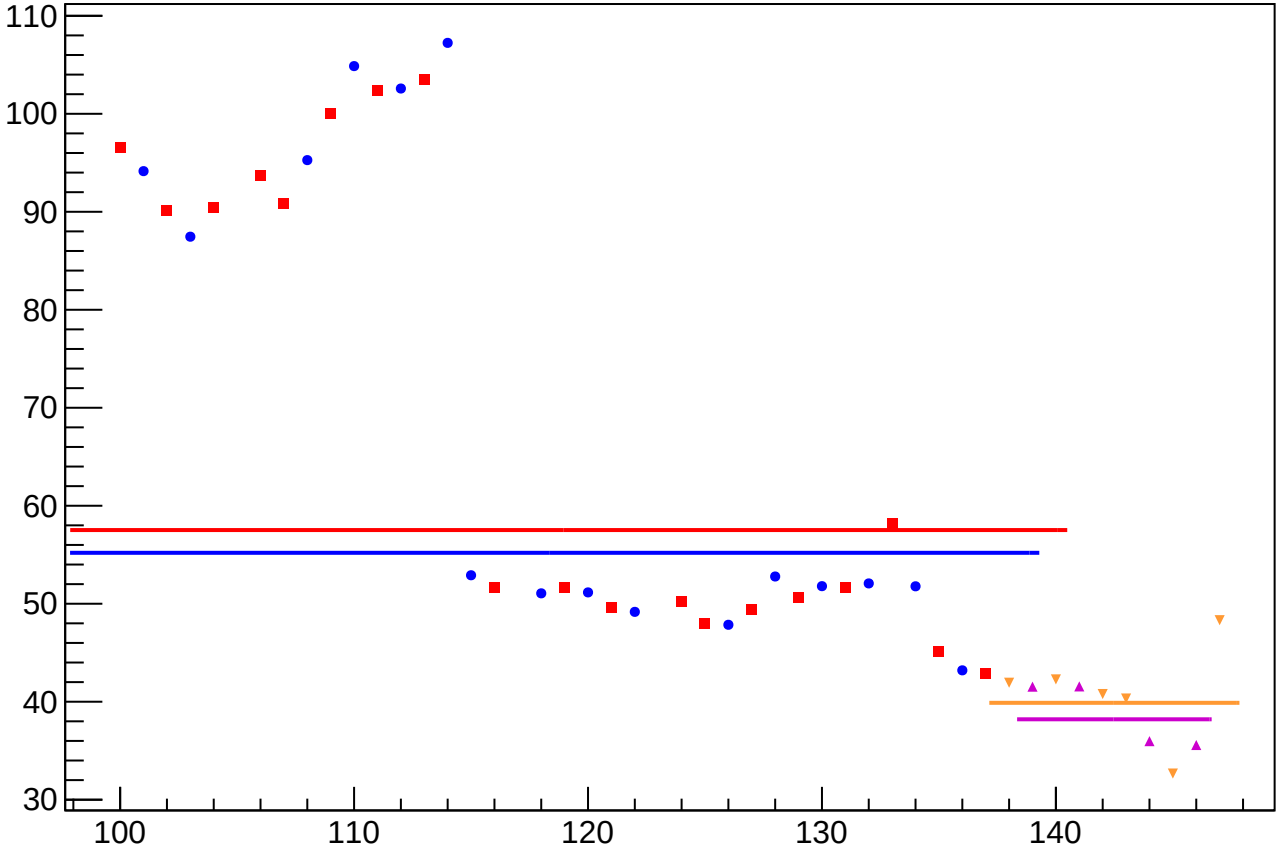
Left In: -3.312+/-20.488 χ^2/NDF:11.4/3

+ sign -14.678+/-14.190 χ^2/NDF: 31.3/21

All: -2.847+/-10.313 χ^2/NDF: 68.1/44

- sign 10.397+/-15.014 χ^2/NDF: 35.3/22

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

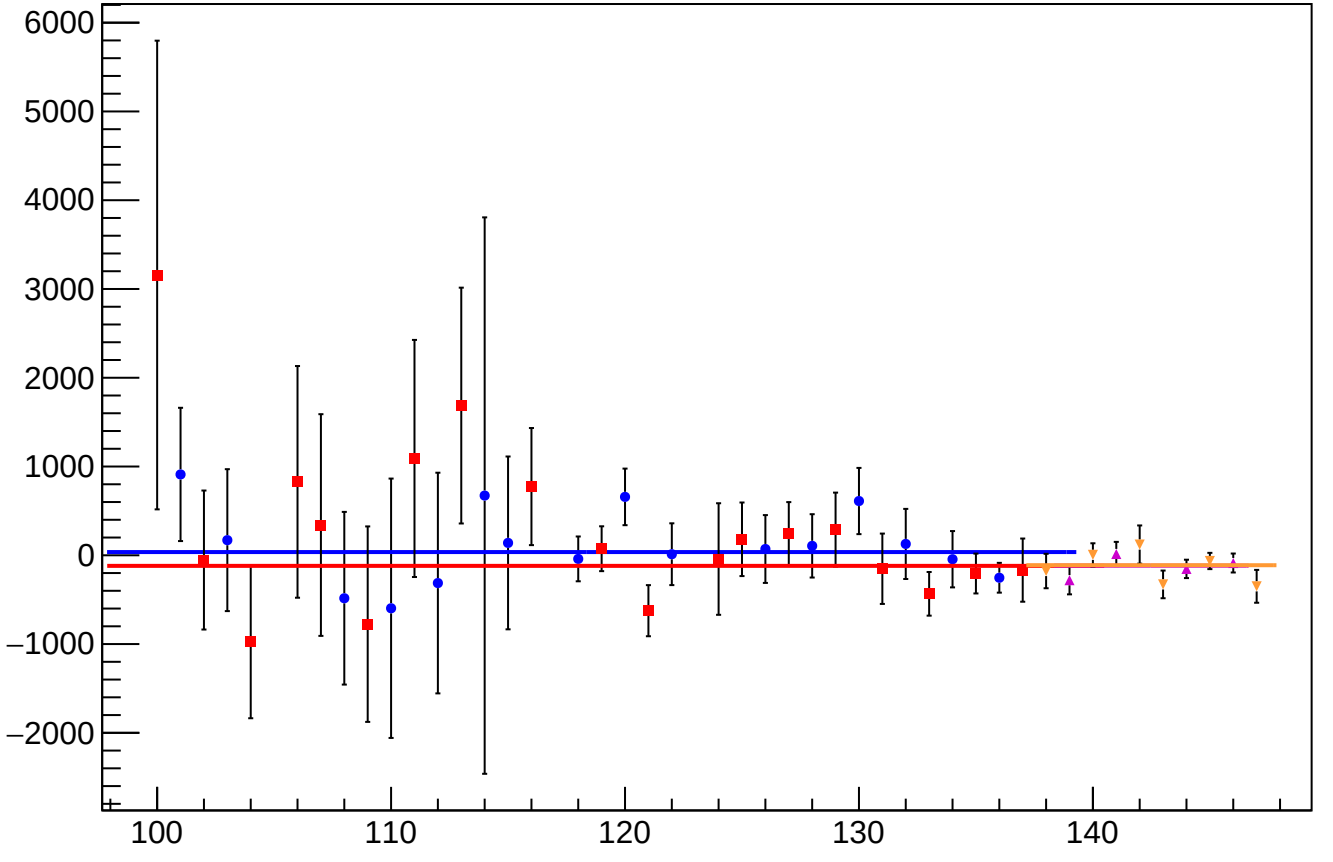
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.4/21

All: 46.857+/-0.007 χ^2/NDF: 4009384.0/44

- sign 47.147+/-0.011 χ^2/NDF: 2143331.3/22

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

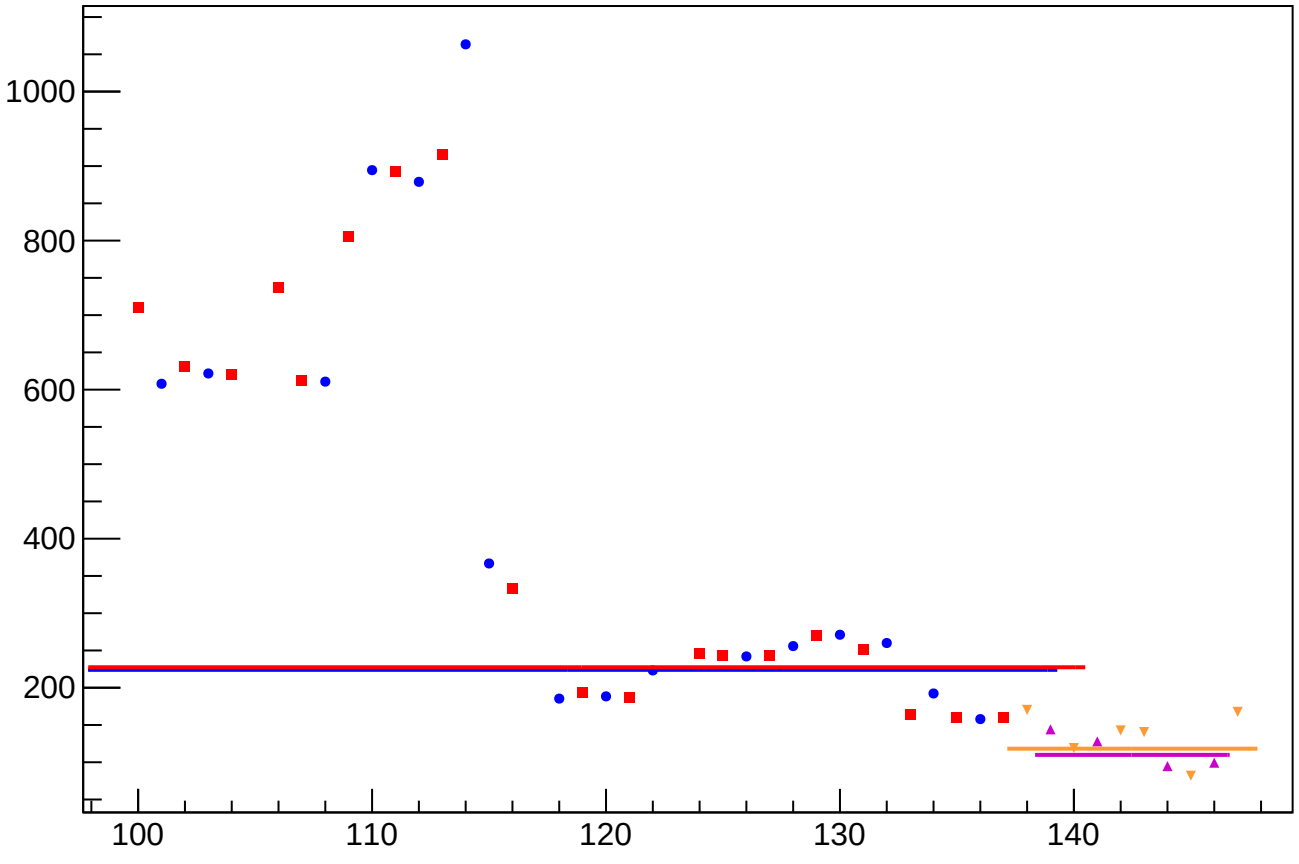
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -117.231+/-60.414 χ^2/NDF:2.2/3

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -93.387+/-35.492 χ^2/NDF: 37.8/44

\- sign -117.781+/-51.106 χ^2/NDF: 18.2/22



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 118.199+/-0.041 χ^2/NDF:668286.2/5

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

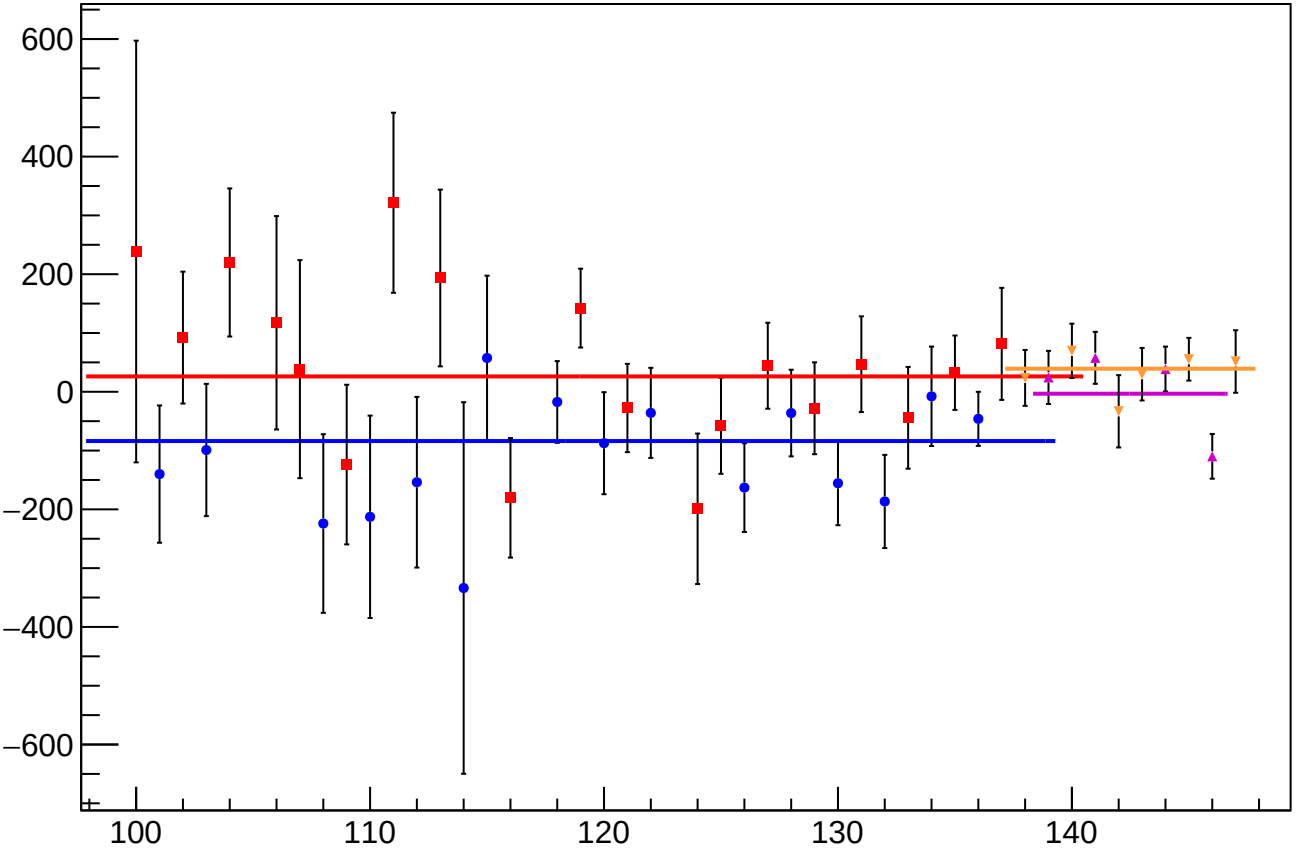
Left In: 109.898+/-0.043 χ^2/NDF:188895.4/3

\+ sign 147.617+/-0.035 χ^2/NDF: 5484413.5/21

All: 145.549+/-0.025 χ^2/NDF: 11474713.0/44

\- sign 143.329+/-0.036 χ^2/NDF: 5983009.3/22

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

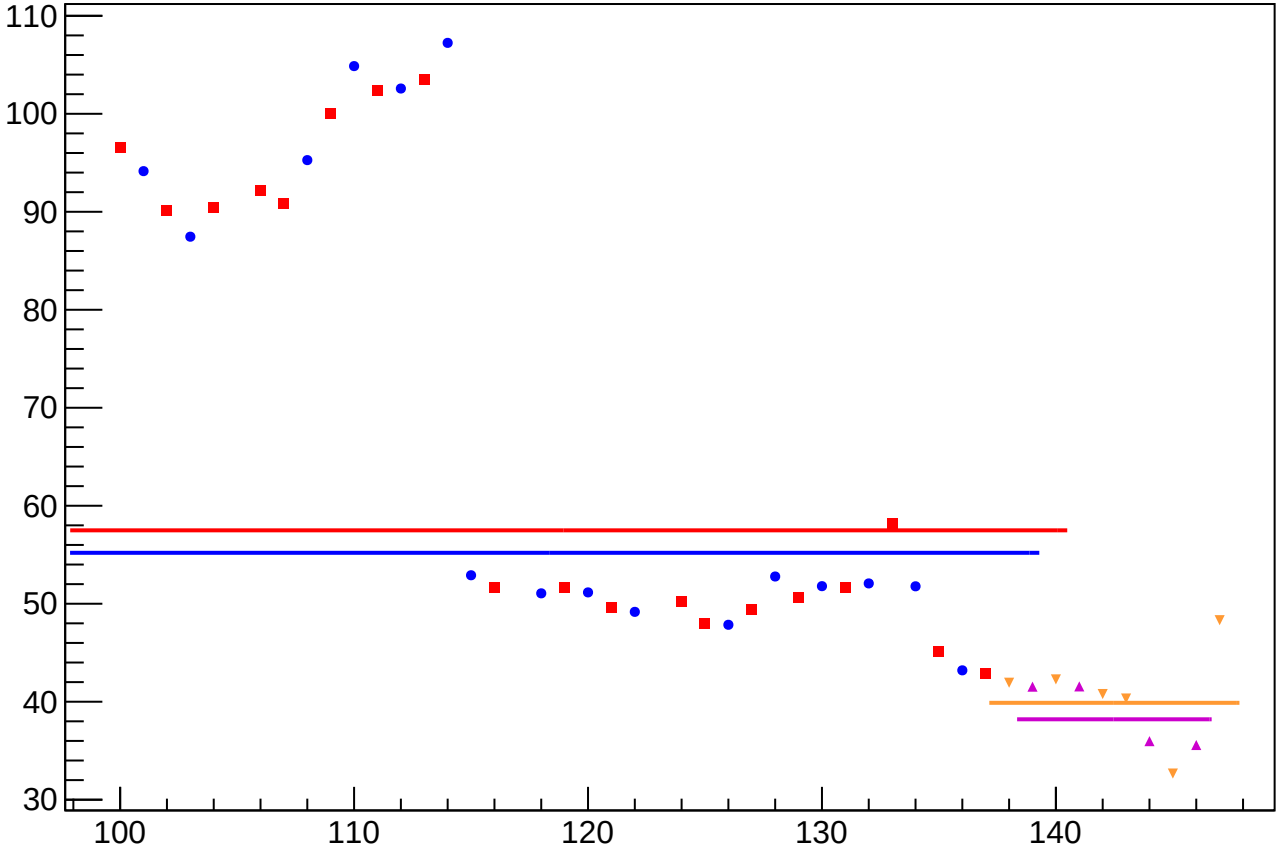
Left In: -3.310+/-20.488 χ^2/NDF:11.4/3

+ sign -14.676+/-14.190 χ^2/NDF: 31.3/21

All: -2.882+/-10.313 χ^2/NDF: 68.0/44

- sign 10.323+/-15.015 χ^2/NDF: 35.2/22

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

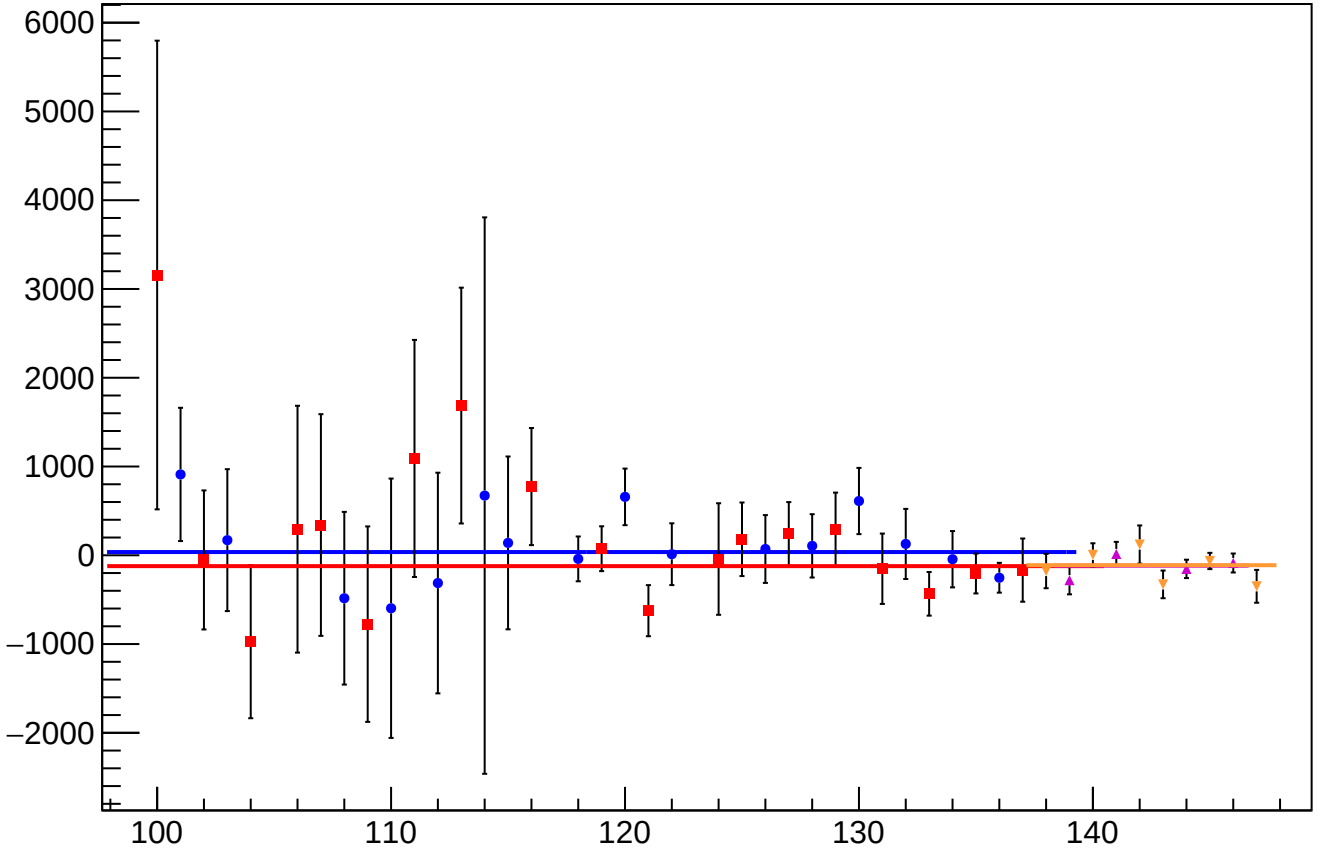
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.6/21

All: 46.850+/-0.007 χ^2/NDF: 3999363.4/44

- sign 47.133+/-0.011 χ^2/NDF: 2133383.1/22

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

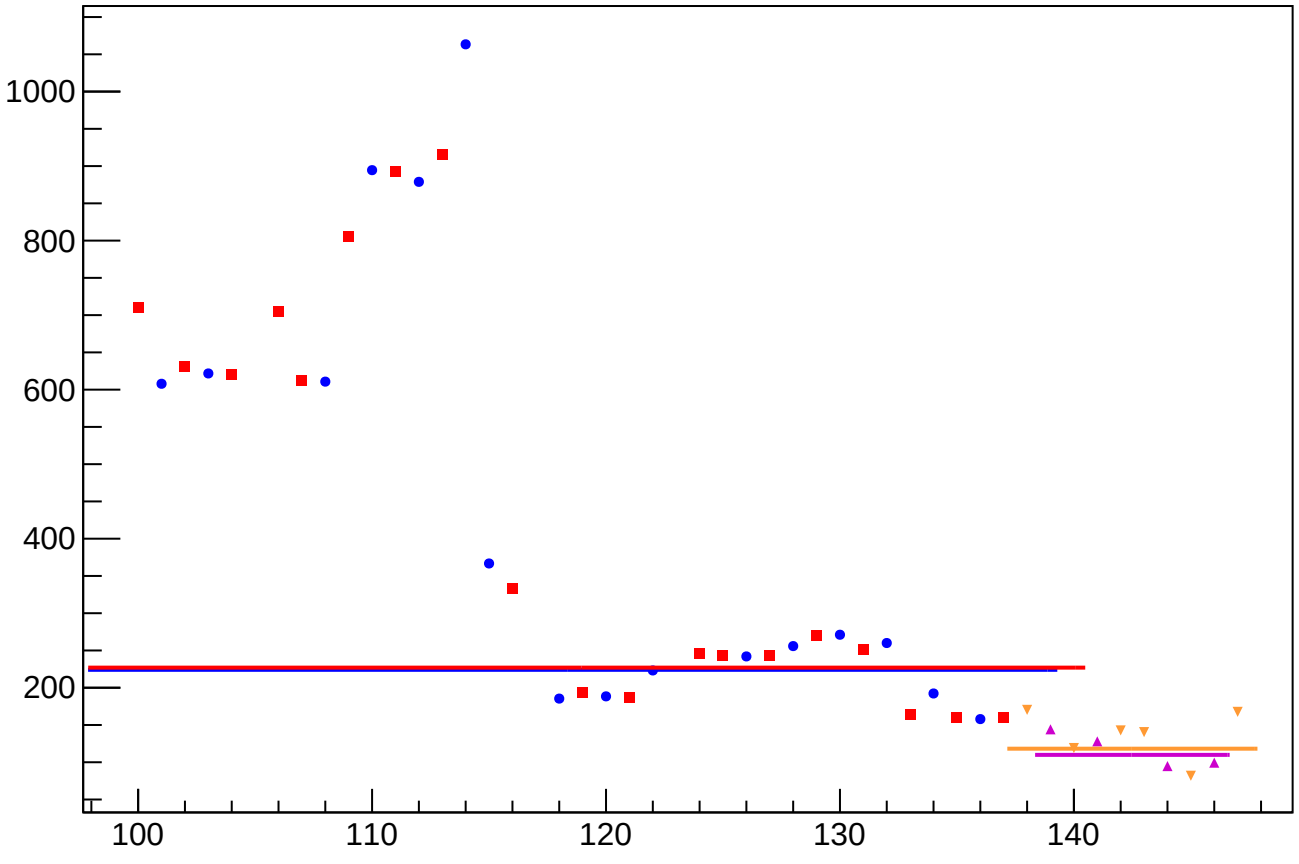
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -117.230+/-60.414 χ^2/NDF:2.2/3

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -93.812+/-35.493 χ^2/NDF: 37.4/44

\- sign -118.668+/-51.111 χ^2/NDF: 17.8/22



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

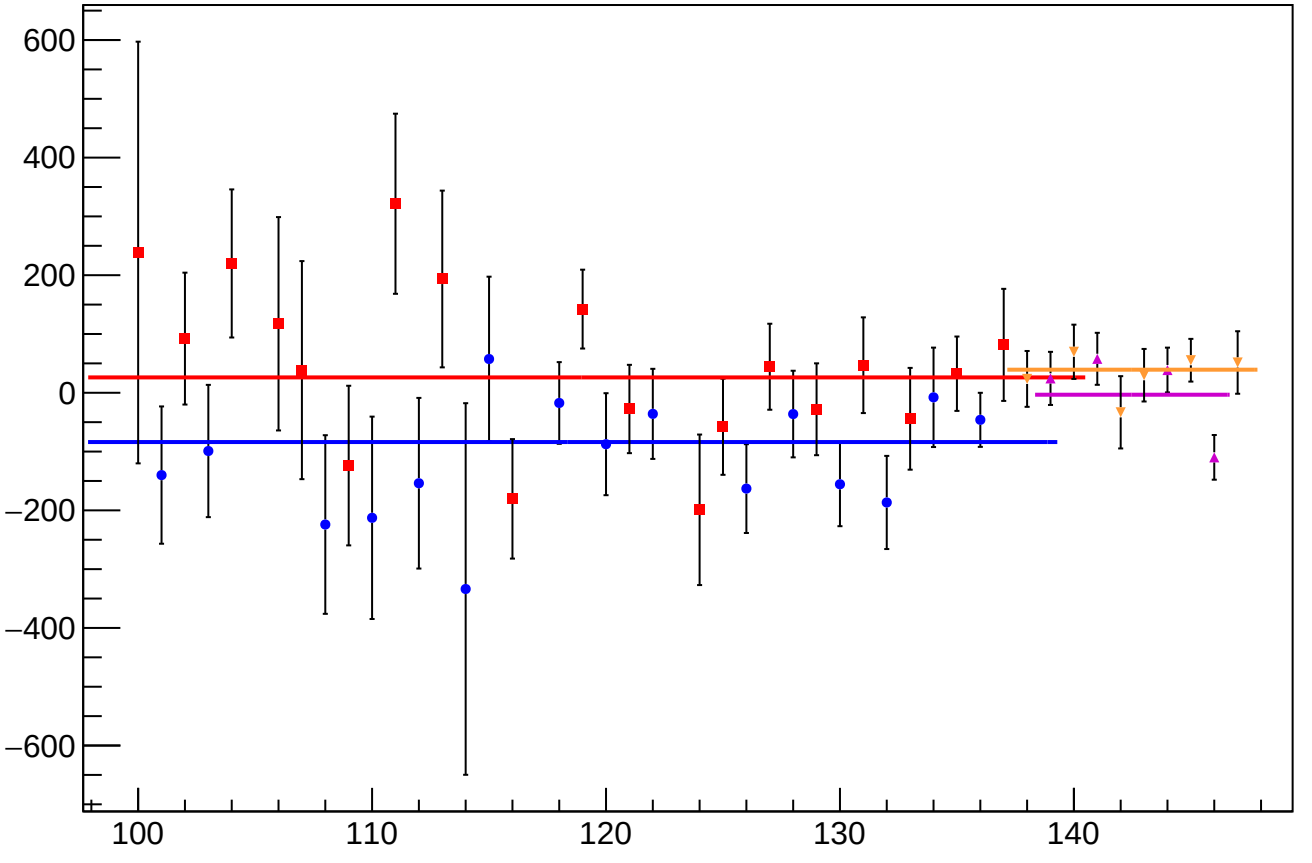
Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

+ sign 147.617+/-0.035 χ^2/NDF: 5484427.8/21

All: 145.476+/-0.025 χ^2/NDF: 11388029.6/44

- sign 143.176+/-0.036 χ^2/NDF: 5895785.8/22

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

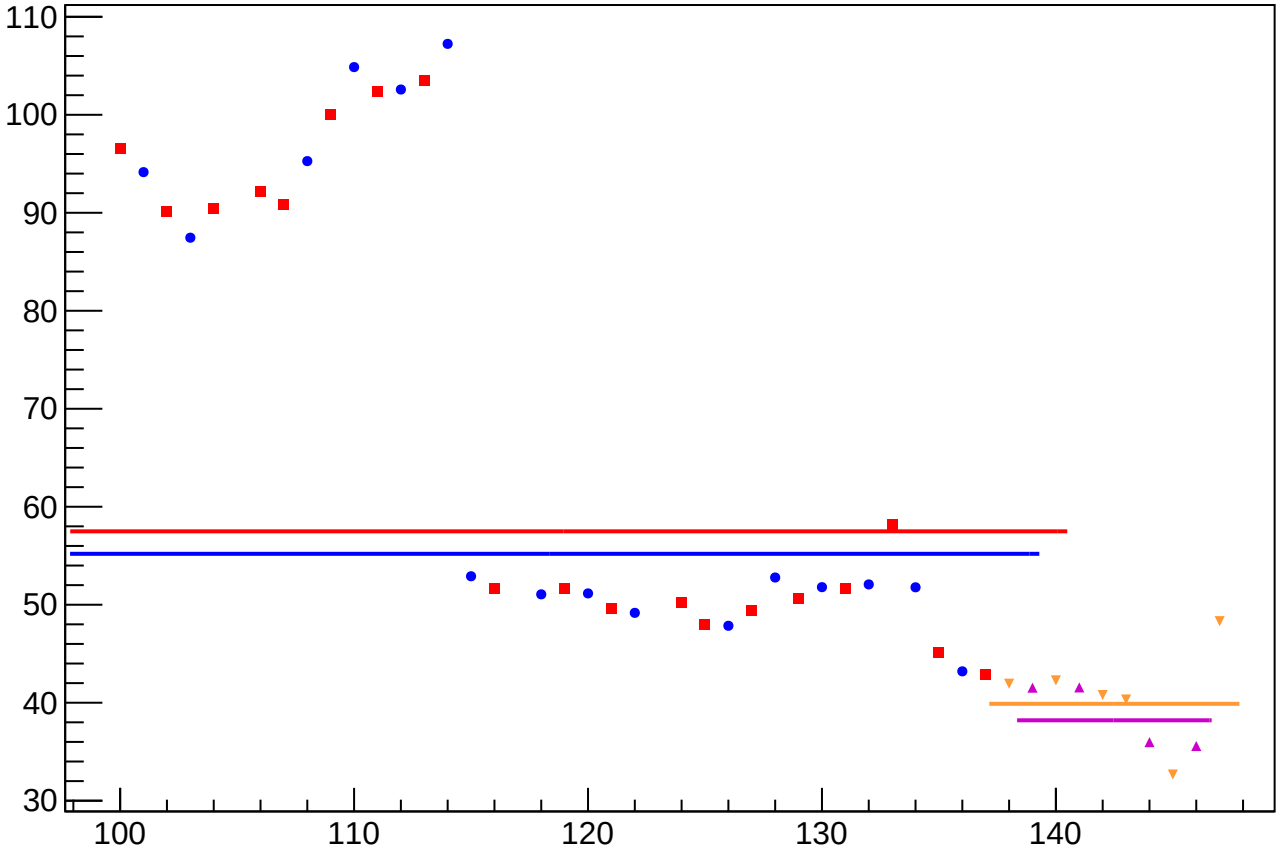
Left In: -3.310+/-20.488 χ^2/NDF:11.4/3

+ sign -14.676+/-14.190 χ^2/NDF: 31.3/21

All: -2.882+/-10.313 χ^2/NDF: 68.0/44

- sign 10.323+/-15.015 χ^2/NDF: 35.2/22

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

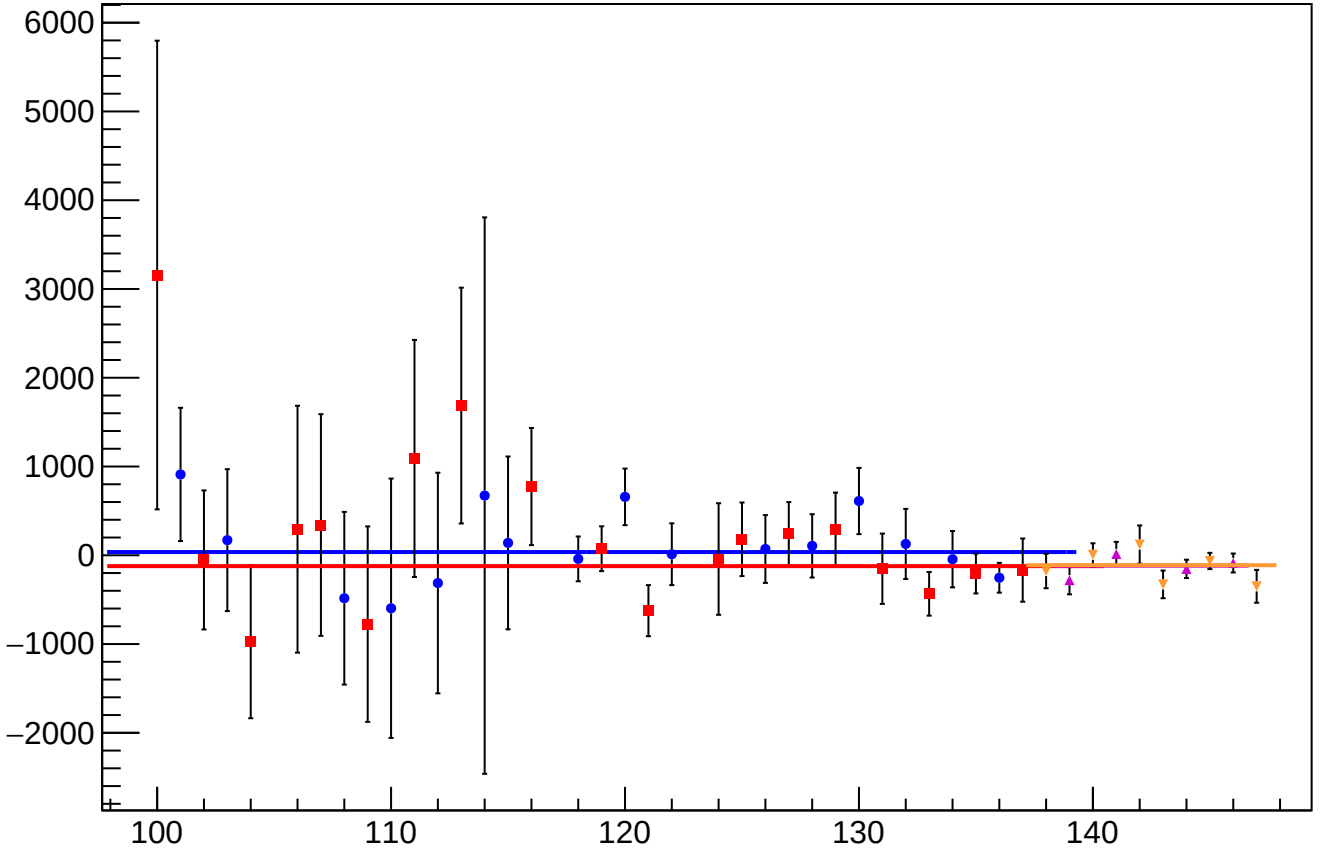
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.6/21

All: 46.850+/-0.007 χ^2/NDF: 3999363.4/44

- sign 47.133+/-0.011 χ^2/NDF: 2133383.1/22

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

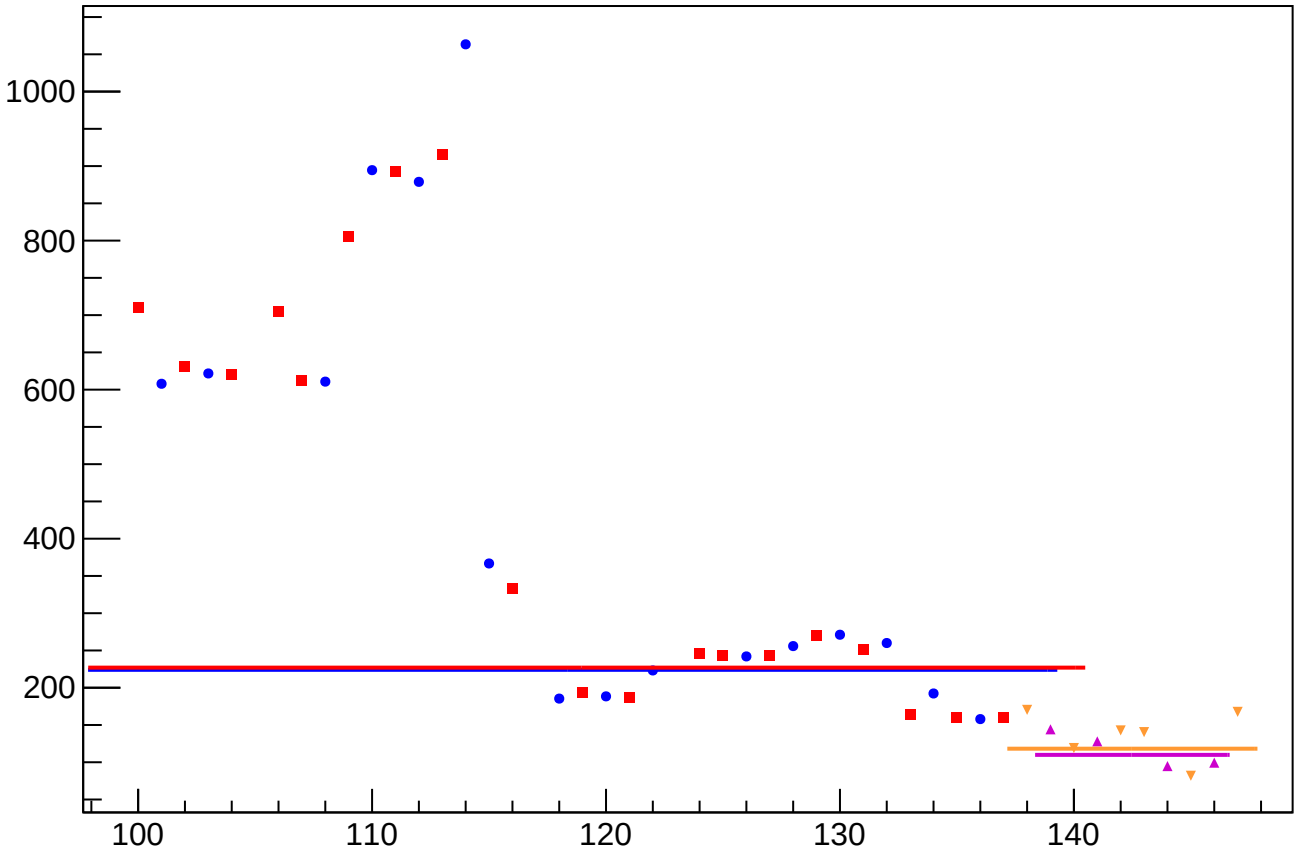
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -117.230+/-60.414 χ^2/NDF:2.2/3

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -93.812+/-35.493 χ^2/NDF: 37.4/44

\- sign -118.668+/-51.111 χ^2/NDF: 17.8/22



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

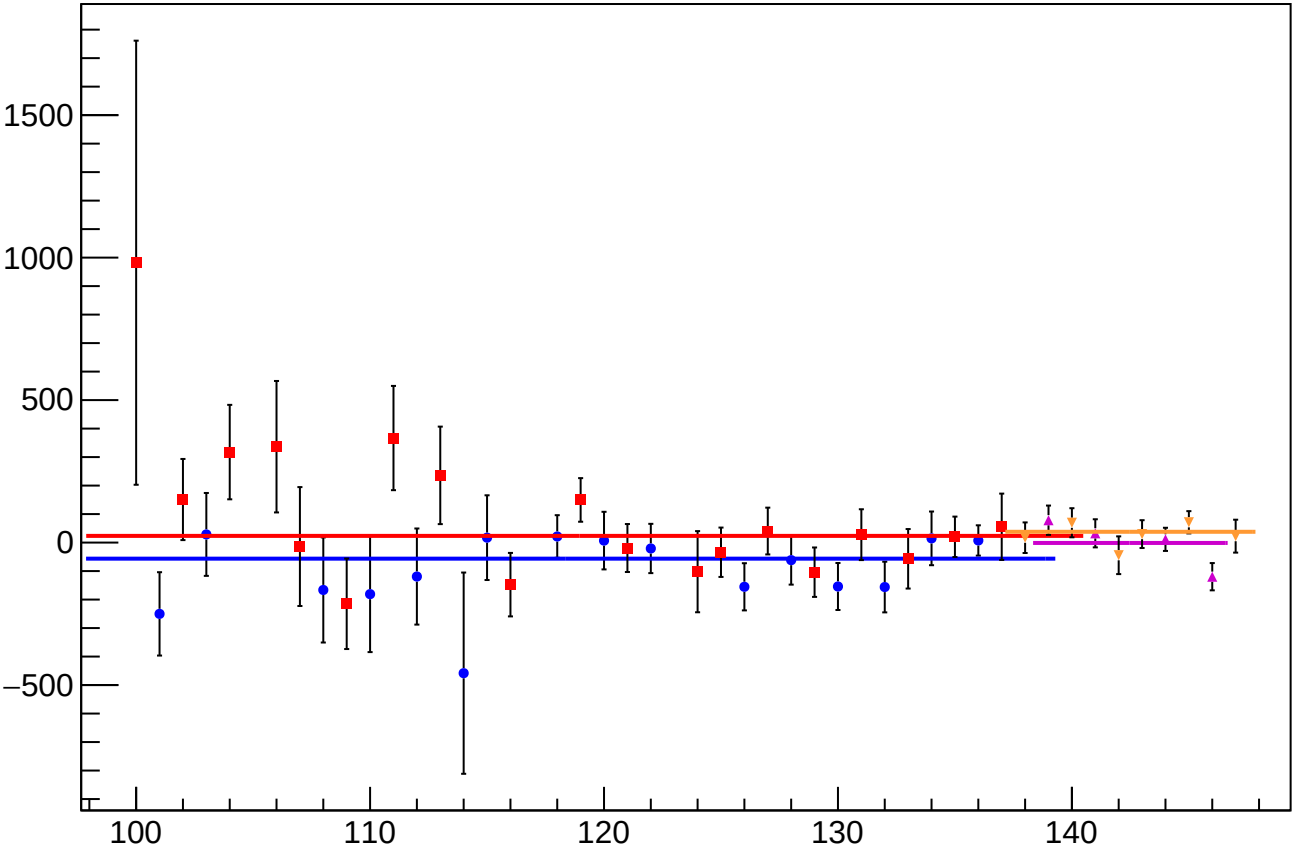
Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

+ sign 147.617+/-0.035 χ^2/NDF: 5484427.8/21

All: 145.476+/-0.025 χ^2/NDF: 11388029.6/44

- sign 143.176+/-0.036 χ^2/NDF: 5895785.8/22

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

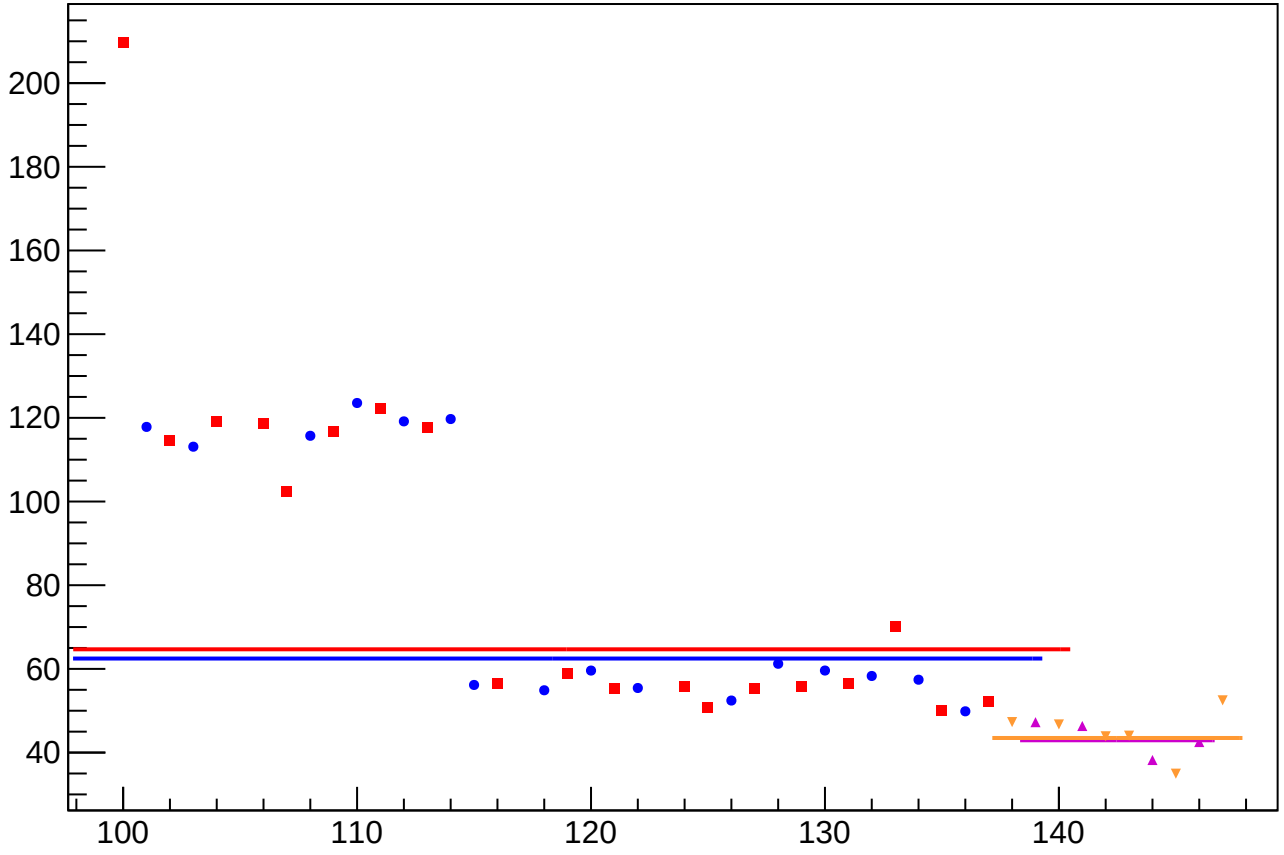
Left In: -1.307+/-23.367 χ^2/NDF:9.1/3

+ sign -1.426+/-15.810 χ^2/NDF: 23.8/21

All: 3.915+/-11.616 χ^2/NDF: 57.8/44

- sign 10.179+/-17.122 χ^2/NDF: 33.7/22

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.486+/-0.015 χ^2/NDF:162227.4/5

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

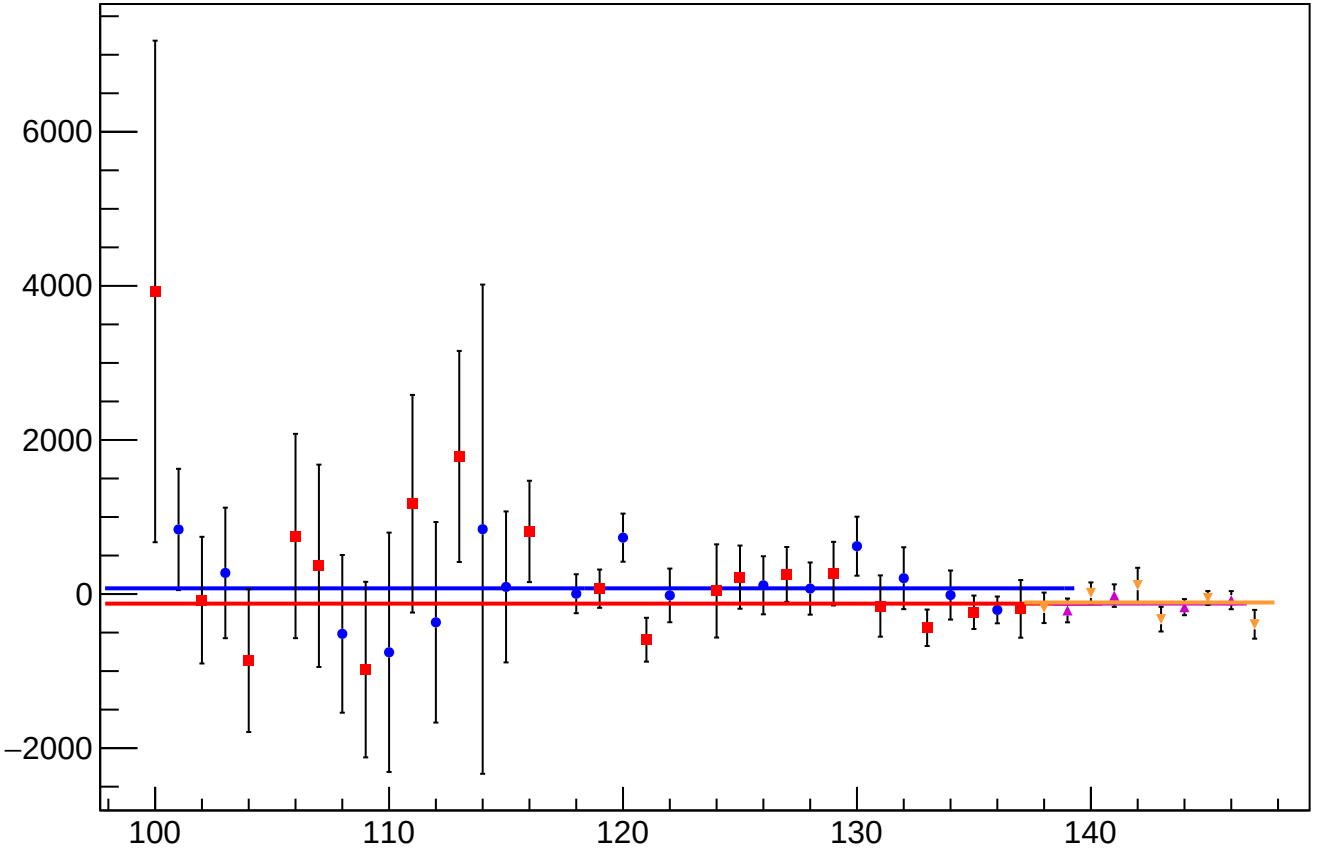
Left In: 42.941+/-0.017 χ^2/NDF:50799.8/3

+ sign 51.401+/-0.011 χ^2/NDF: 2211681.0/21

All: 52.141+/-0.008 χ^2/NDF: 4664075.3/44

- sign 53.008+/-0.012 χ^2/NDF: 2442875.0/22

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.262+/-58.692 χ^2/NDF:6.5/5

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

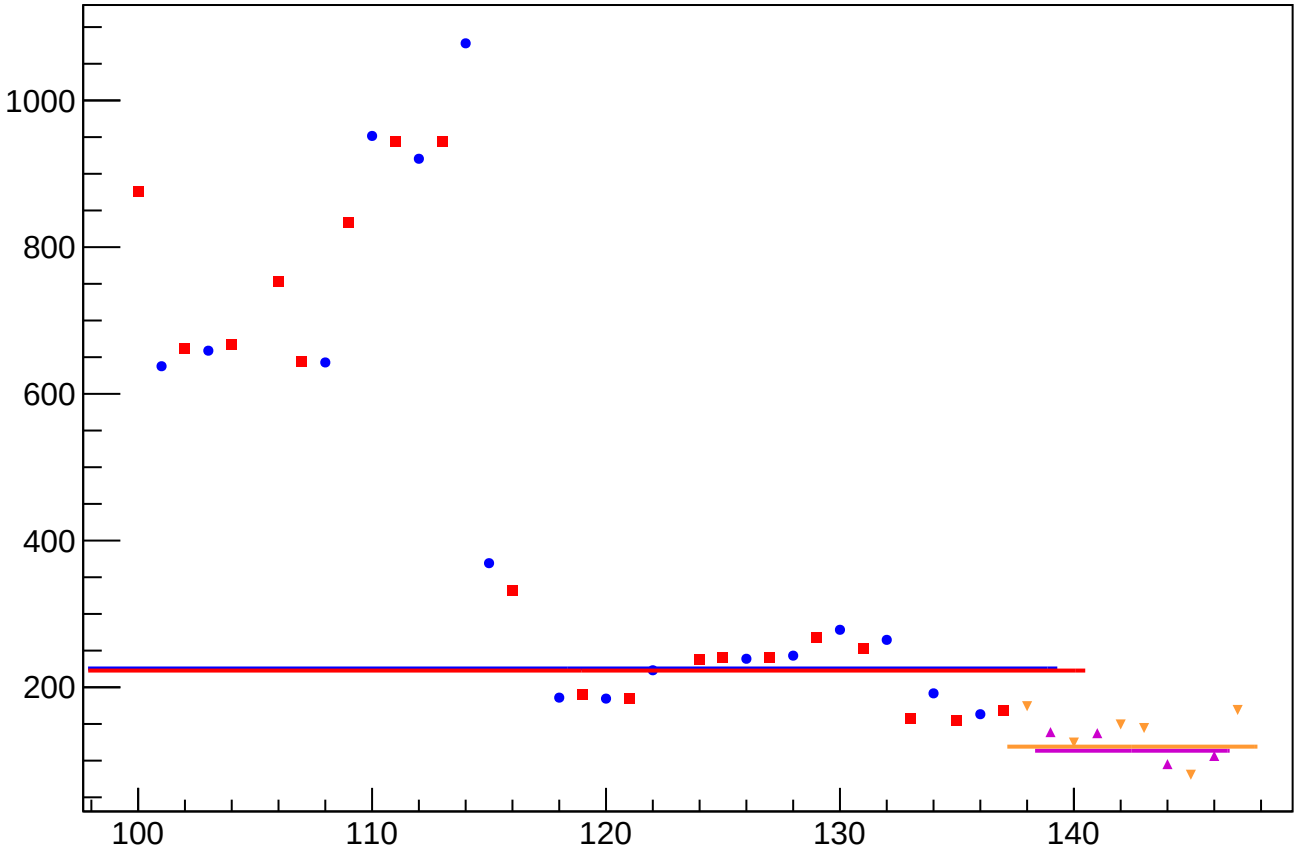
Left In: -123.194+/-62.963 χ^2/NDF:1.2/3

+ sign -58.161+/-49.857 χ^2/NDF: 20.4/21

All: -89.192+/-36.128 χ^2/NDF: 38.8/44

- sign -123.503+/-52.426 χ^2/NDF: 17.5/22

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 119.081+/-0.042 χ^2/NDF:750421.3/5

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

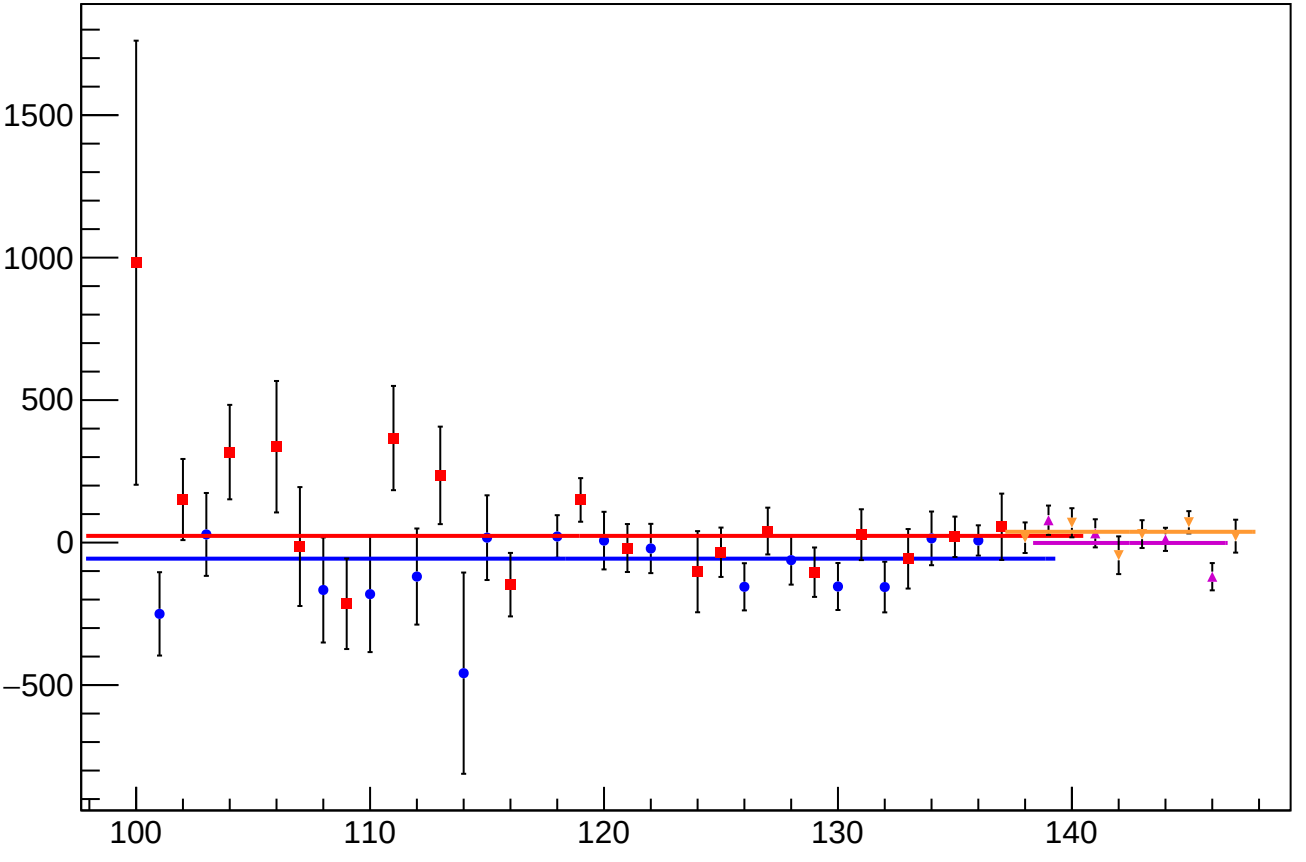
Left In: 113.534+/-0.045 χ^2/NDF:175507.7/3

+ sign 148.739+/-0.035 χ^2/NDF: 5610890.9/21

All: 147.933+/-0.026 χ^2/NDF: 11482486.0/44

- sign 147.042+/-0.037 χ^2/NDF: 5870493.9/22

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

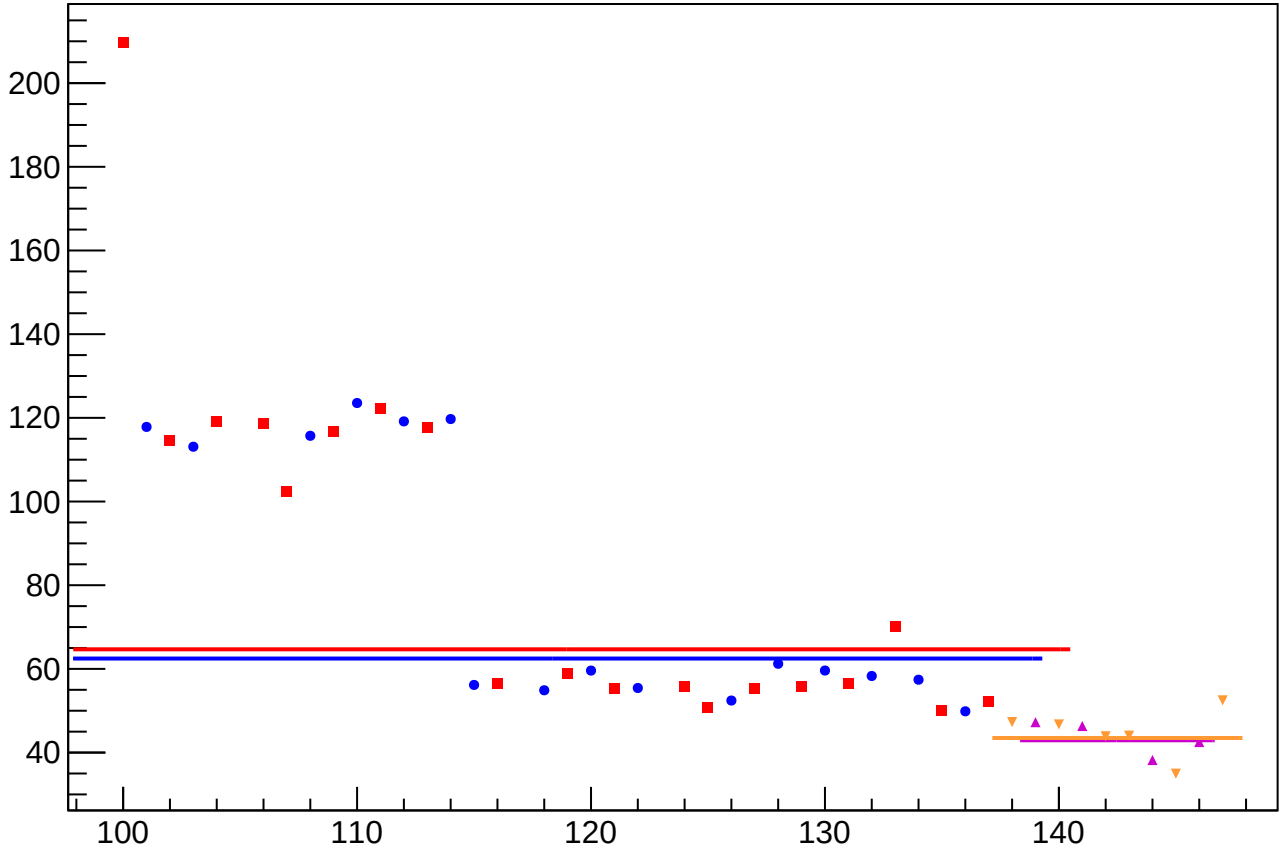
Left In: -1.308+/-23.367 χ^2/NDF:9.1/3

+ sign -1.427+/-15.810 χ^2/NDF: 23.8/21

All: 3.915+/-11.616 χ^2/NDF: 57.8/44

- sign 10.180+/-17.122 χ^2/NDF: 33.7/22

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.486+/-0.015 χ^2/NDF:162230.4/5

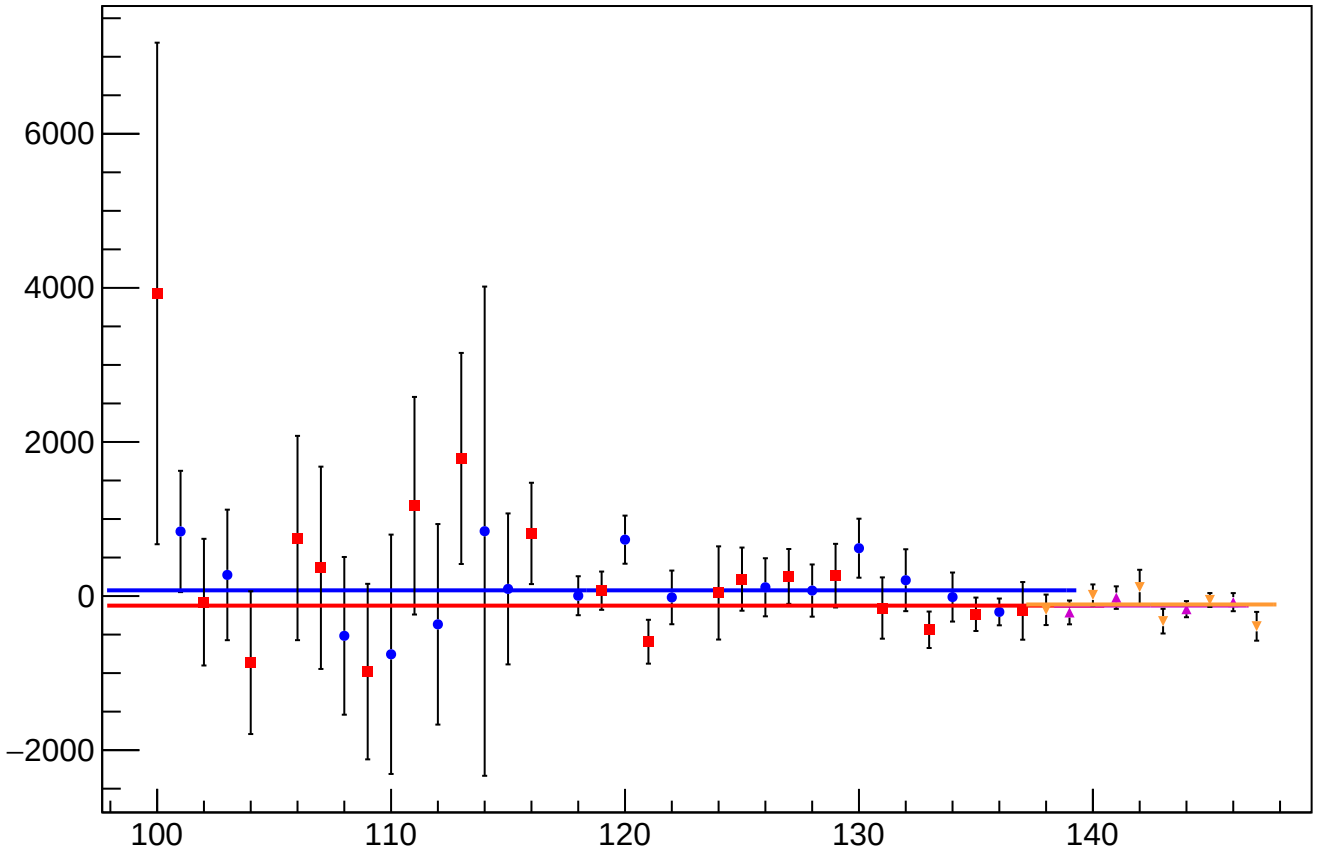
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.941+/-0.017 χ^2/NDF:50798.7/3

+ sign 51.401+/-0.011 χ^2/NDF: 2211626.5/21

All: 52.141+/-0.008 χ^2/NDF: 4663981.2/44

- sign 53.008+/-0.012 χ^2/NDF: 2442835.1/22



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.262+/-58.692 χ^2/NDF:6.5/5

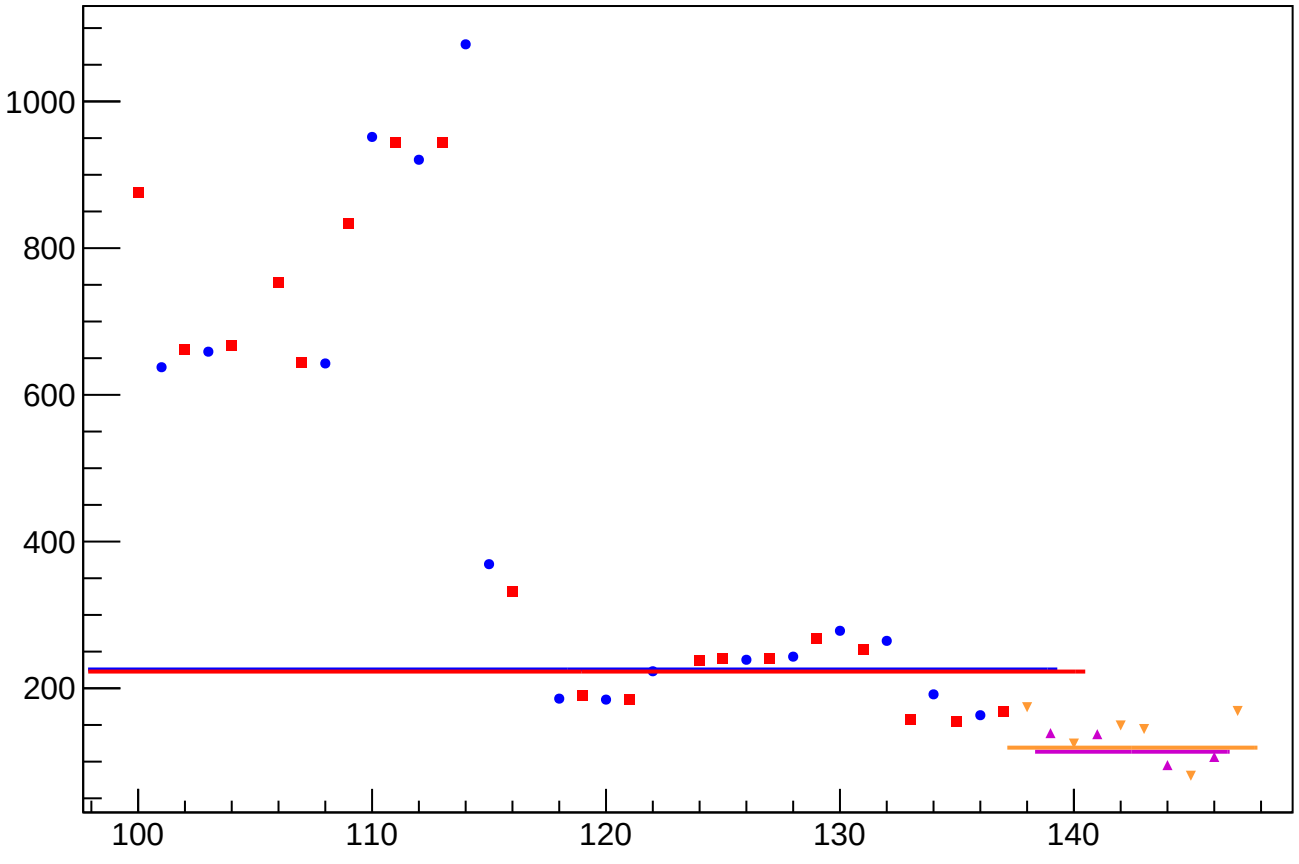
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -123.194+/-62.963 χ^2/NDF:1.2/3

+ sign -58.160+/-49.857 χ^2/NDF: 20.4/21

All: -89.191+/-36.128 χ^2/NDF: 38.8/44

- sign -123.503+/-52.426 χ^2/NDF: 17.5/22



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 119.081+/-0.042 χ^2/NDF:750430.2/5

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

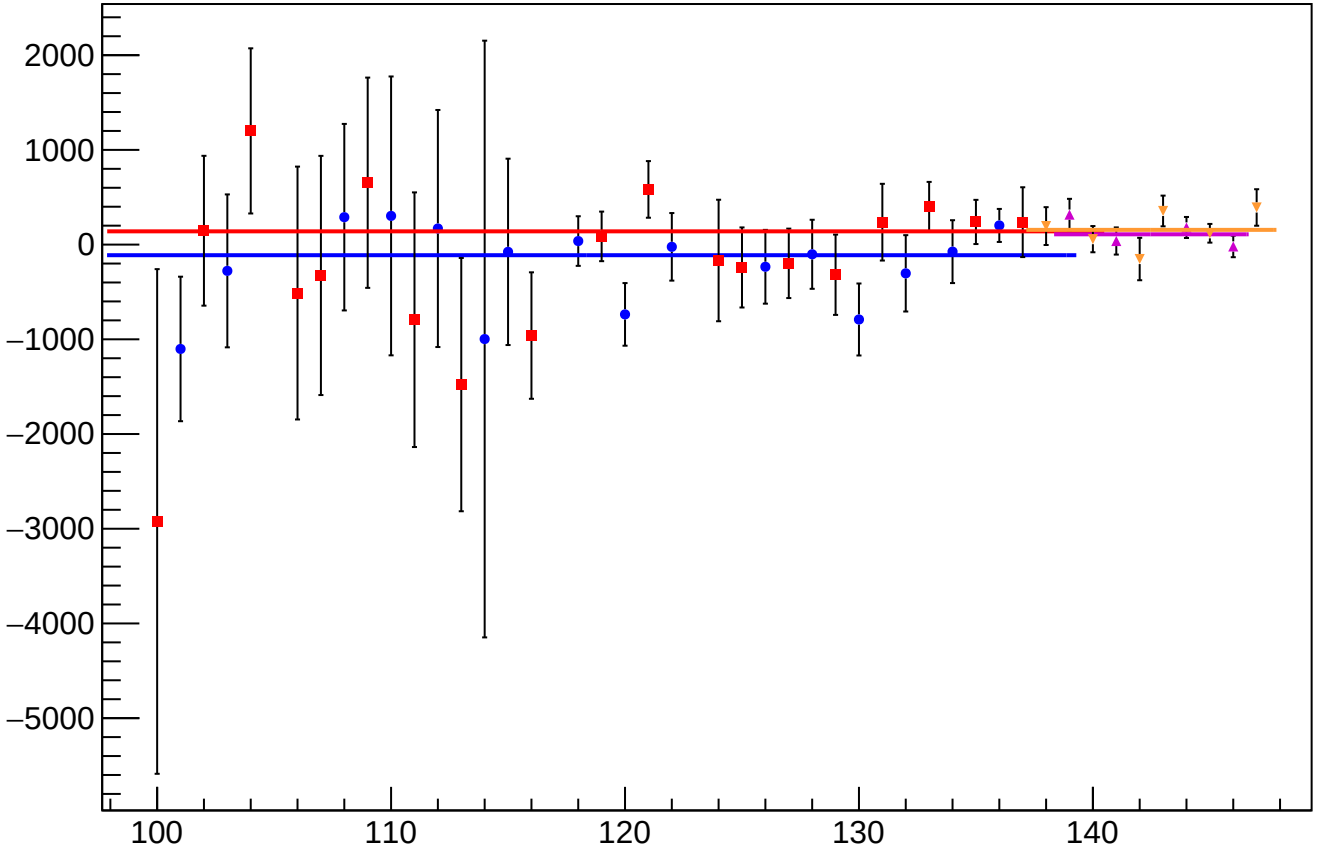
Left In: 113.535+/-0.045 χ^2/NDF:175512.9/3

+ sign 148.740+/-0.035 χ^2/NDF: 5610866.9/21

All: 147.933+/-0.026 χ^2/NDF: 11482453.2/44

- sign 147.042+/-0.037 χ^2/NDF: 5870484.8/22

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 155.583+/-61.449 χ^2/NDF:5.6/5

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

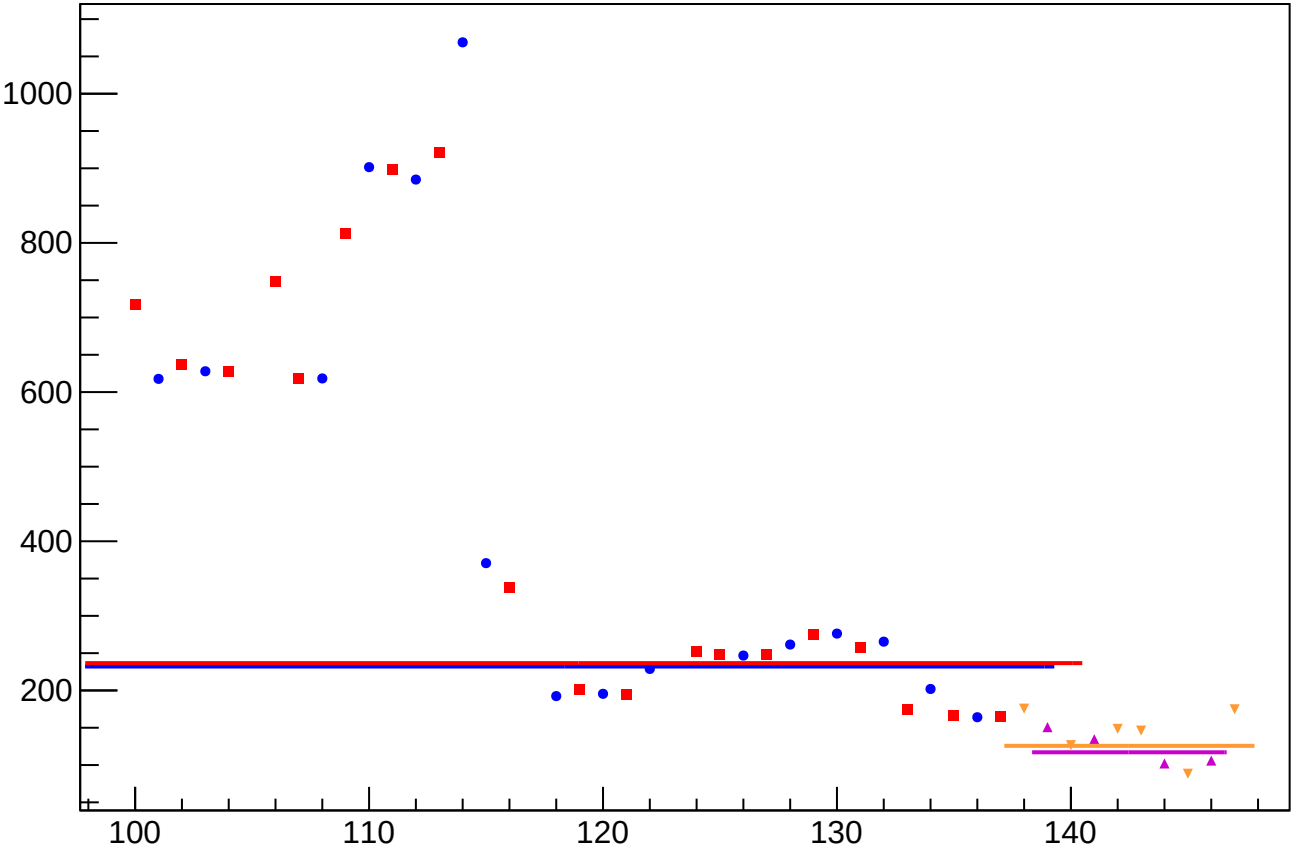
Left In: 108.669+/-64.135 χ^2/NDF:3.5/3

+ sign 78.466+/-51.840 χ^2/NDF: 23.9/21

All: 97.432+/-37.349 χ^2/NDF: 42.4/44

- sign 117.901+/-53.855 χ^2/NDF: 18.2/22

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 125.756+/-0.043 χ^2/NDF:593202.4/5

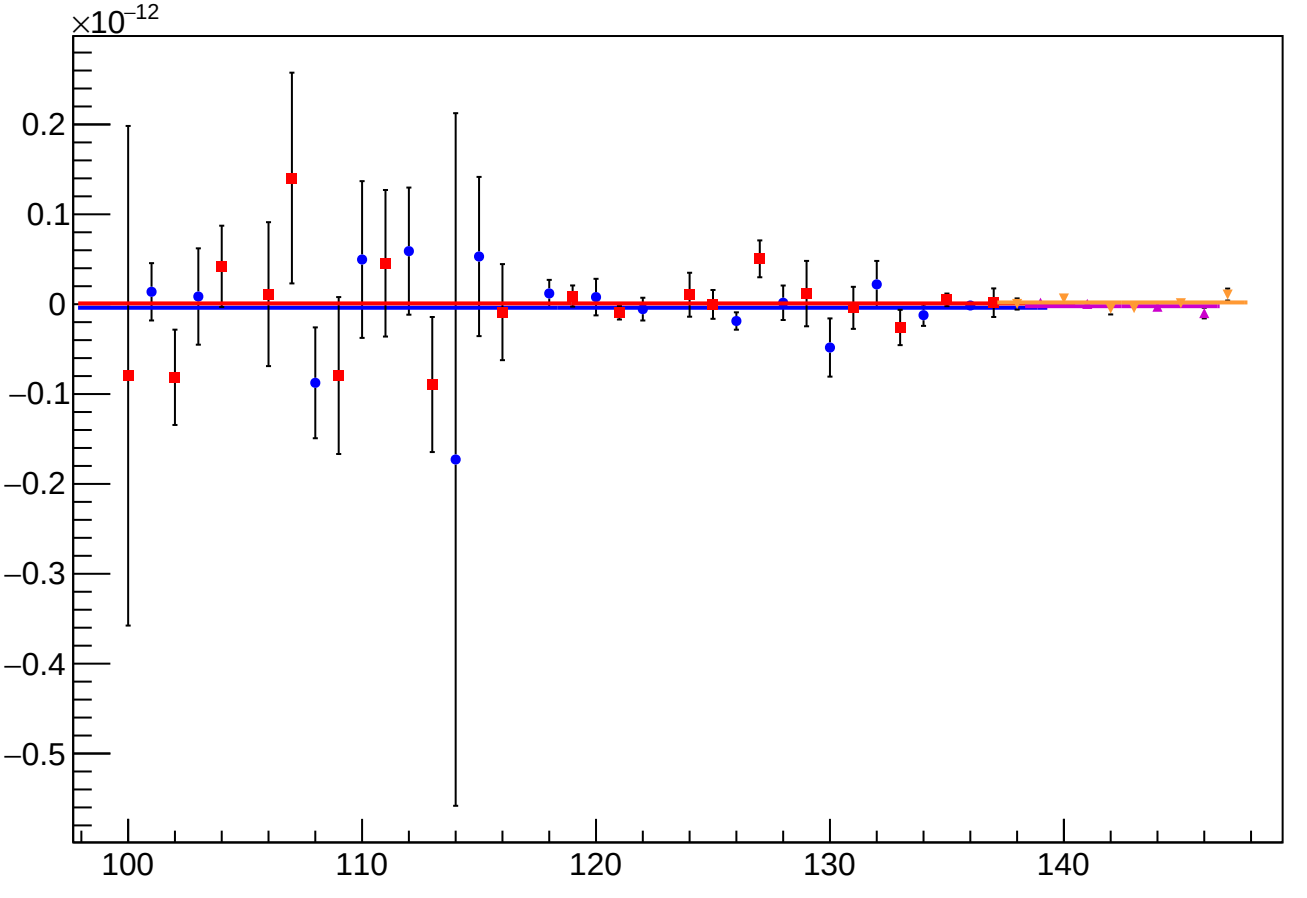
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 117.088+/-0.045 χ^2/NDF:167197.9/3

+ sign 156.416+/-0.037 χ^2/NDF: 5205756.8/21

All: 154.458+/-0.026 χ^2/NDF: 10949454.4/44

- sign 152.344+/-0.038 χ^2/NDF: 5737764.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

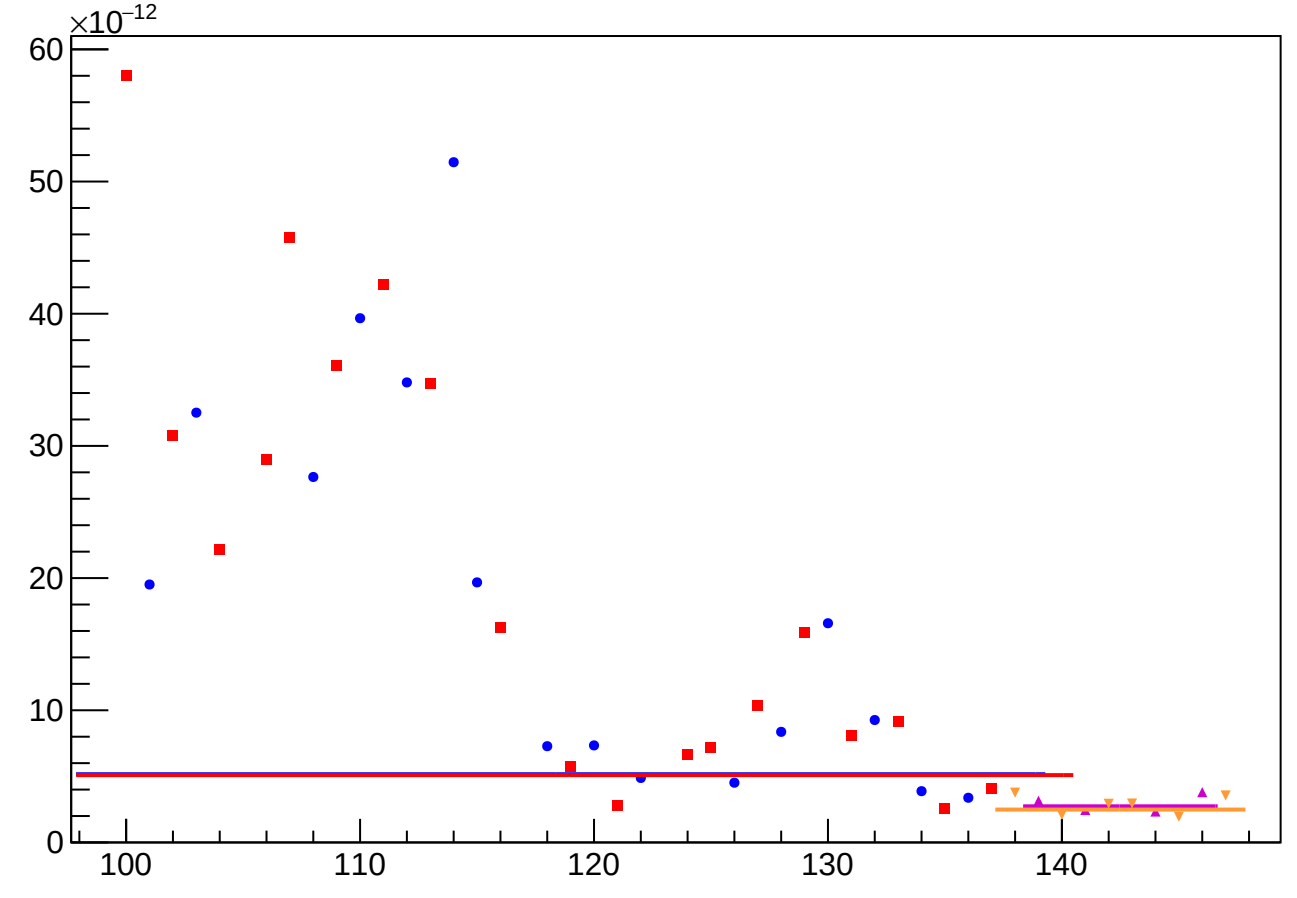
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/21

All: -0.000+/-0.000 χ^2/NDF: 41.4/44

- sign -0.000+/-0.000 χ^2/NDF: 21.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:243937.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

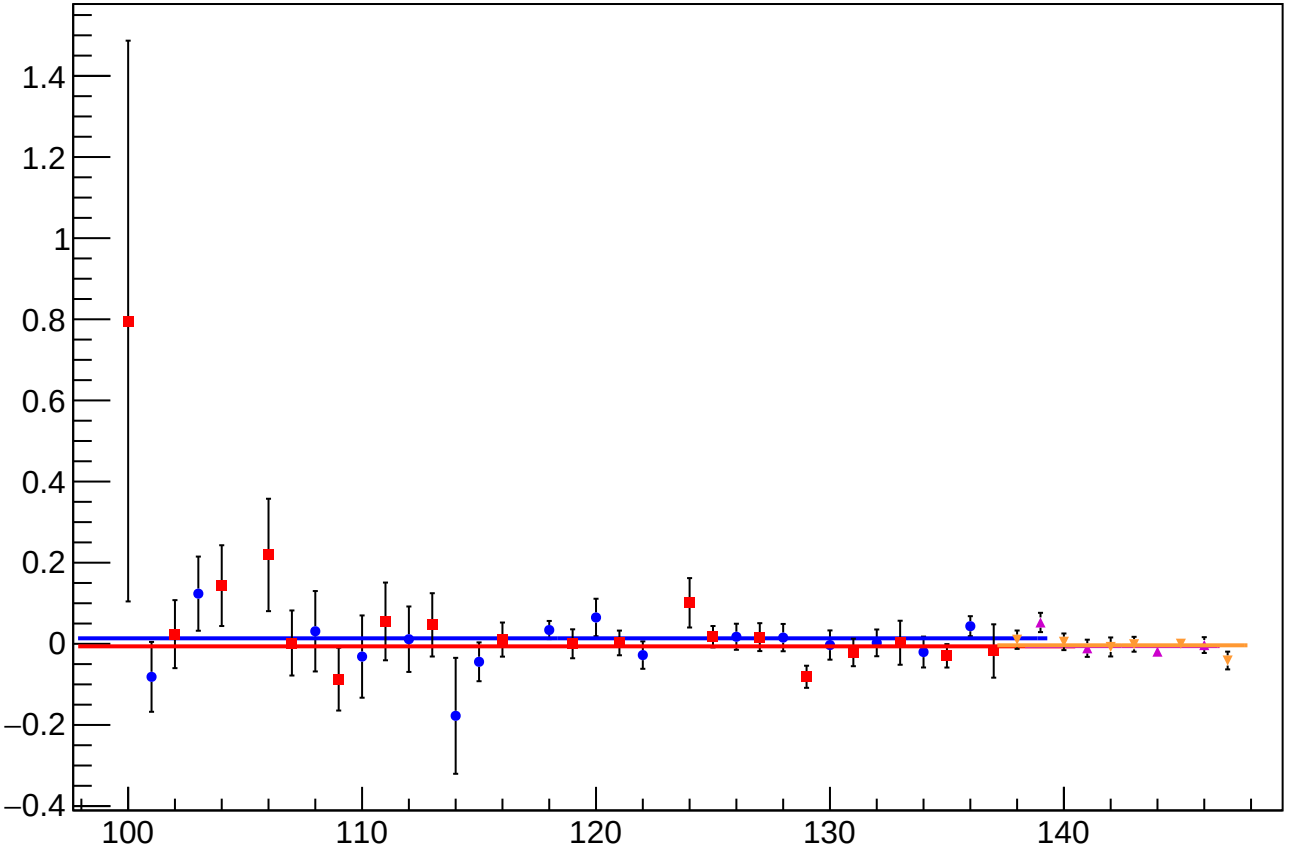
Left In: 0.000+/-0.000 χ^2/NDF:113464.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3708162.6/21

All: 0.000+/-0.000 χ^2/NDF: 7621154.9/44

- sign 0.000+/-0.000 χ^2/NDF: 3890510.5/22

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: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

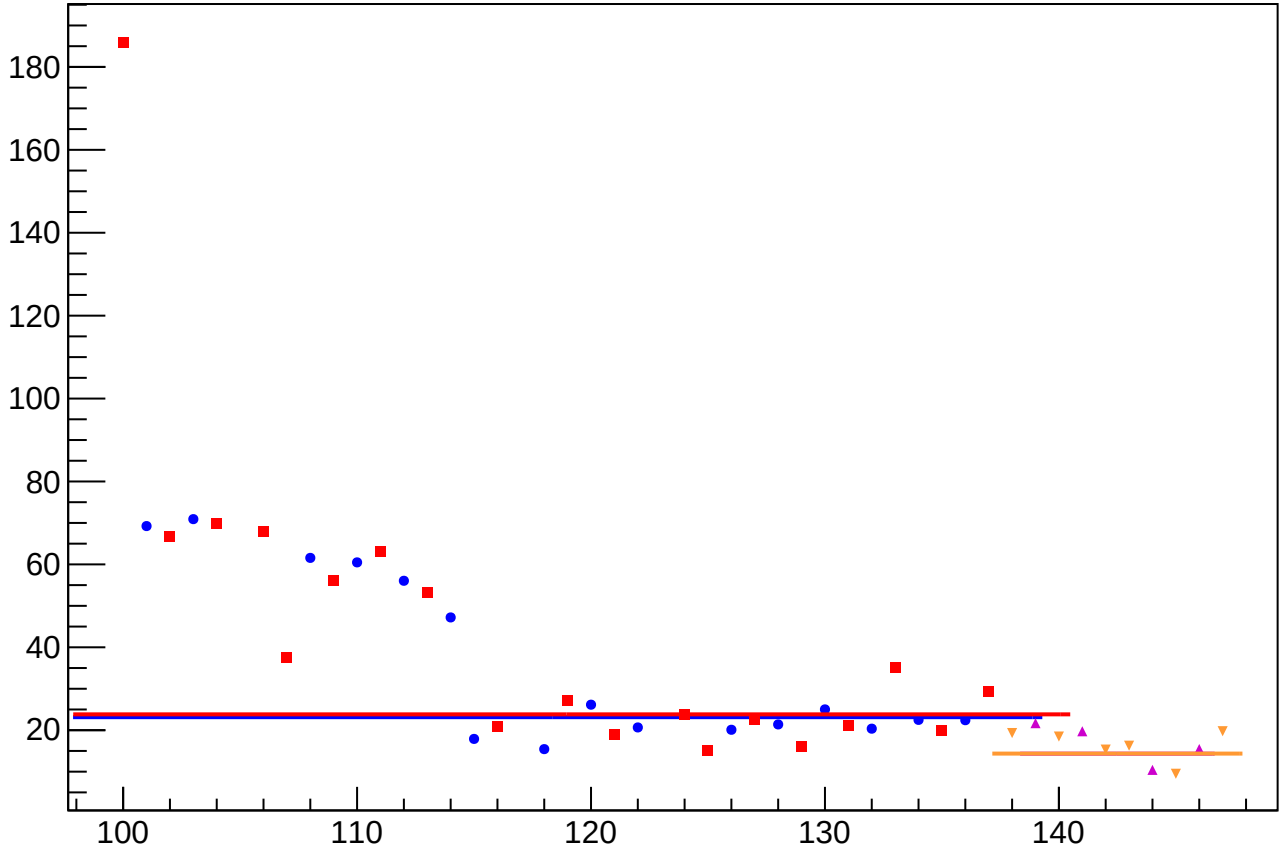
Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.001+/-0.004 χ^2/NDF: 47.7/44

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22

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: 14.360+/-0.005 χ^2/NDF:693379.7/5

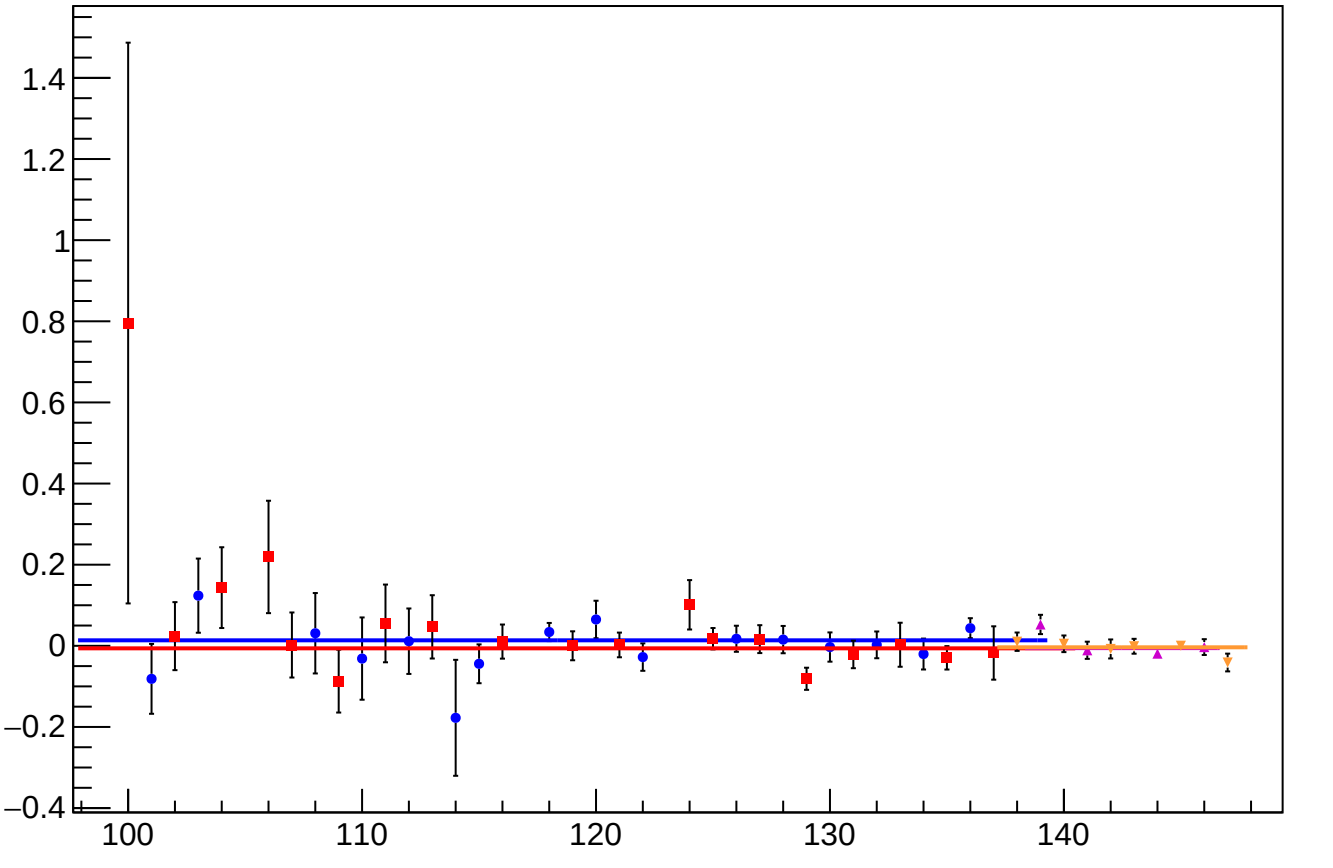
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

+ sign 17.447+/-0.004 χ^2/NDF: 4132450.1/21

All: 17.822+/-0.003 χ^2/NDF: 8634595.5/44

- sign 18.287+/-0.005 χ^2/NDF: 4483625.4/22



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

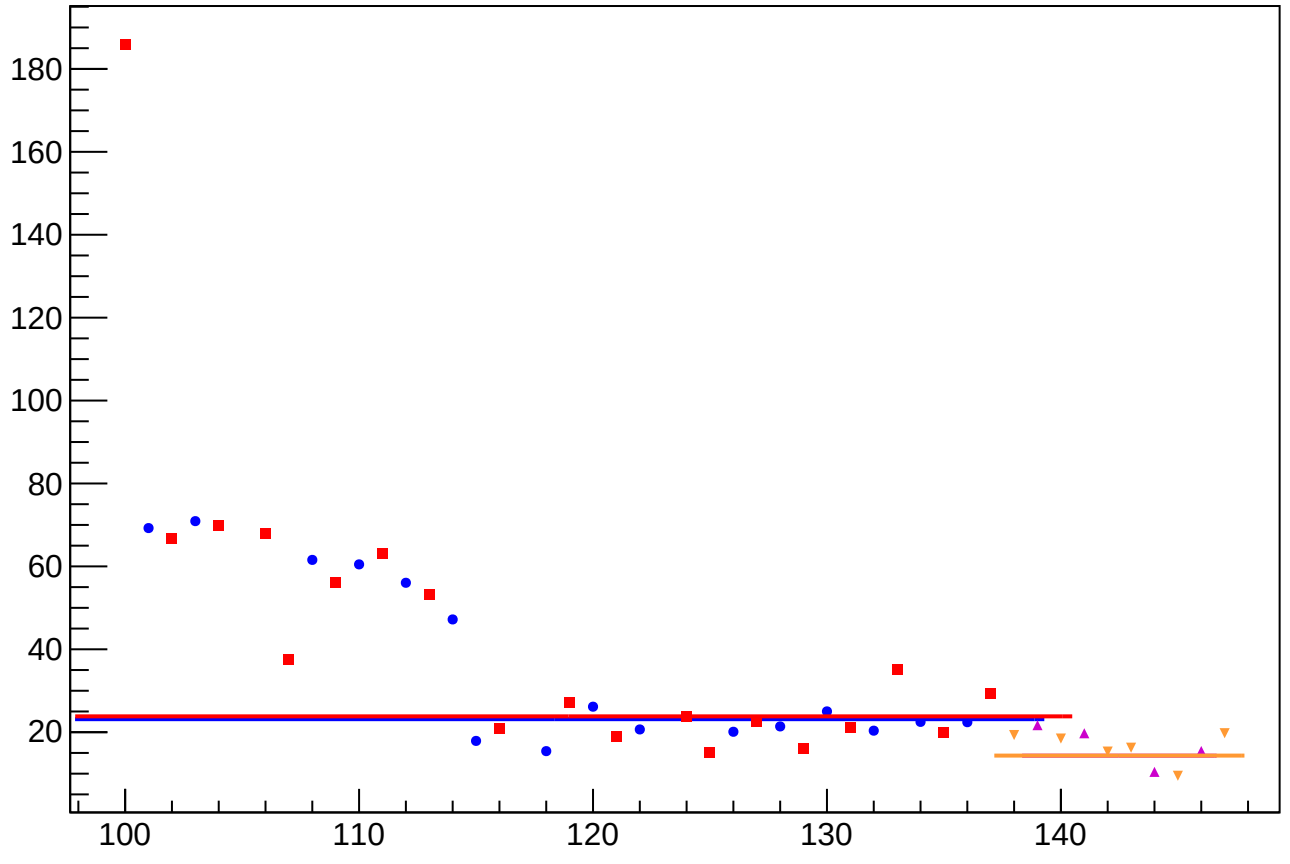
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.001+/-0.004 χ^2/NDF: 47.7/44

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.360+/-0.005 χ^2/NDF:693379.7/5

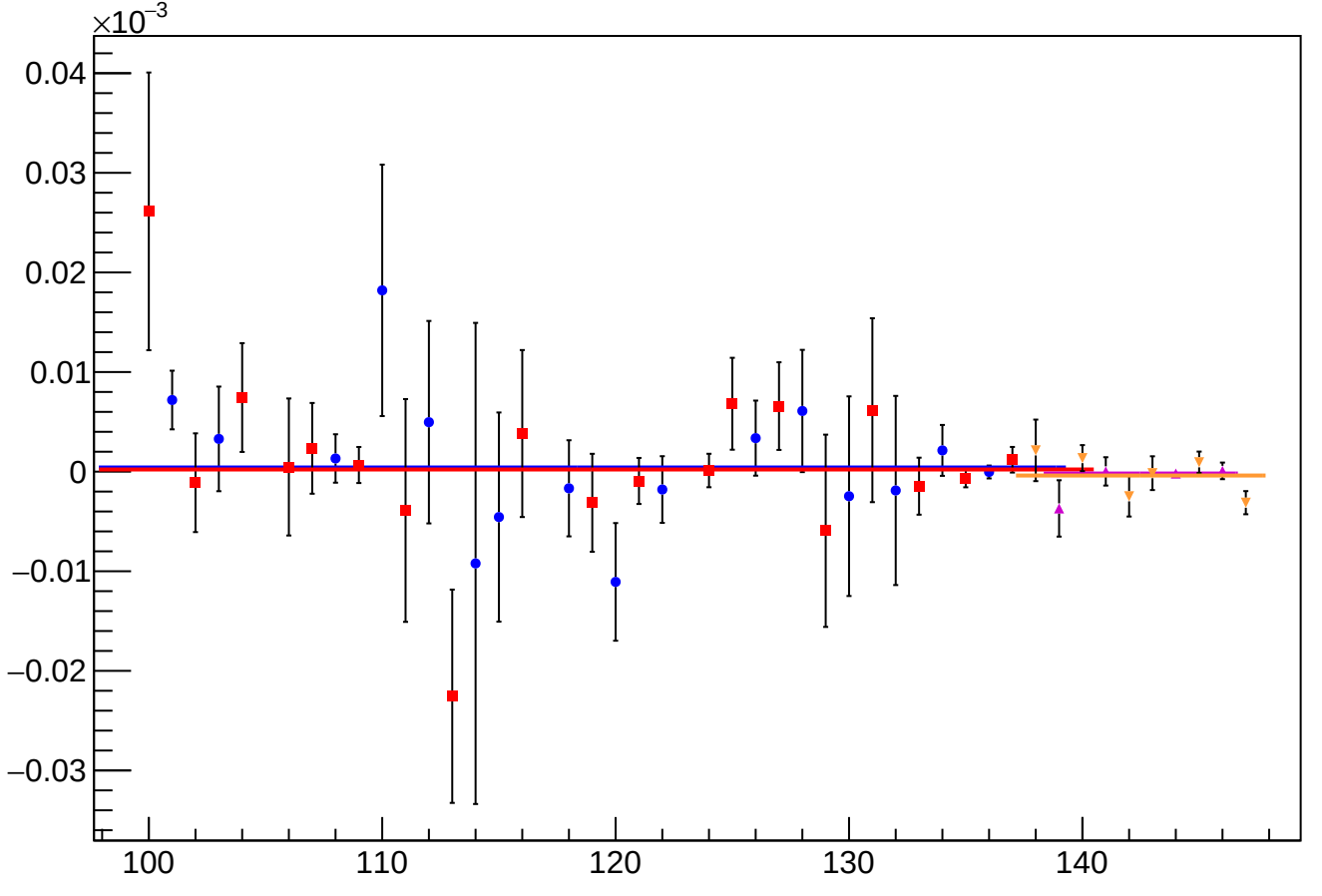
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

+ sign 17.447+/-0.004 χ^2/NDF: 4132450.1/21

All: 17.822+/-0.003 χ^2/NDF: 8634595.5/44

- sign 18.287+/-0.005 χ^2/NDF: 4483625.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

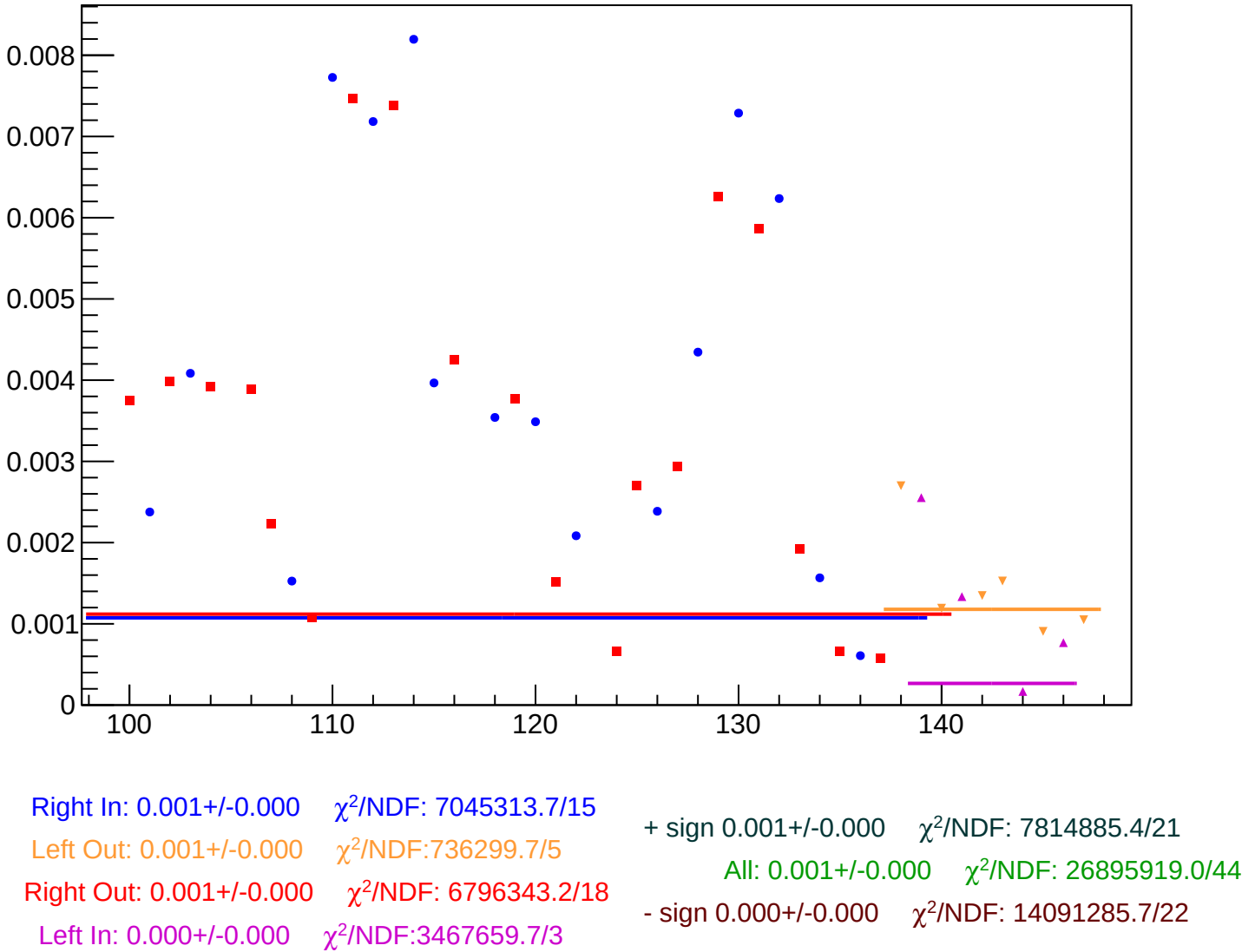
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

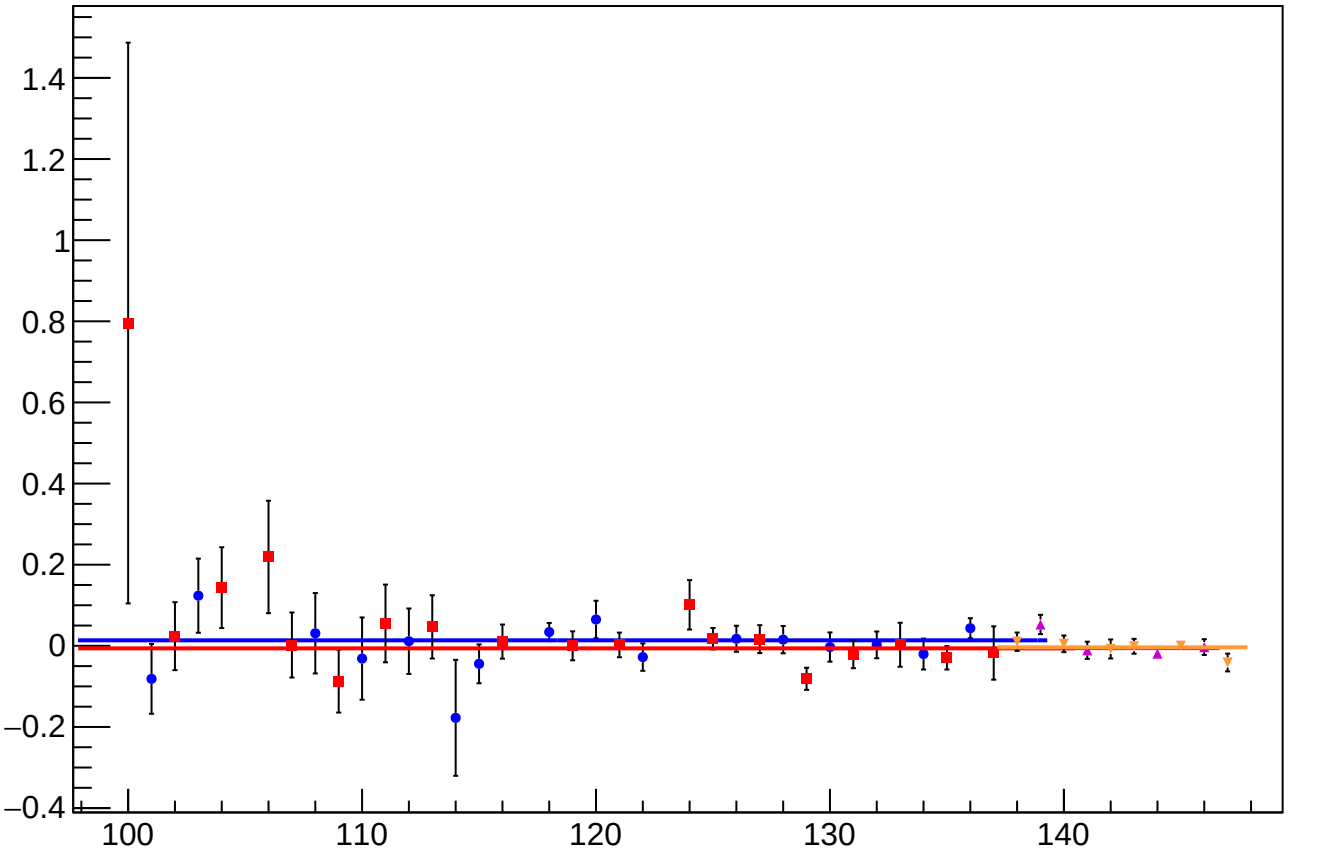
Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/21

All: -0.000+/-0.000 χ^2/NDF: 46.9/44

- sign -0.000+/-0.000 χ^2/NDF: 20.0/22


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:736299.7/5
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:3467659.7/3
+ sign 0.001+/-0.000 χ²/NDF: 7814885.4/21
All: 0.001+/-0.000 χ²/NDF: 26895919.0/44
- sign 0.000+/-0.000 χ²/NDF: 14091285.7/22



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

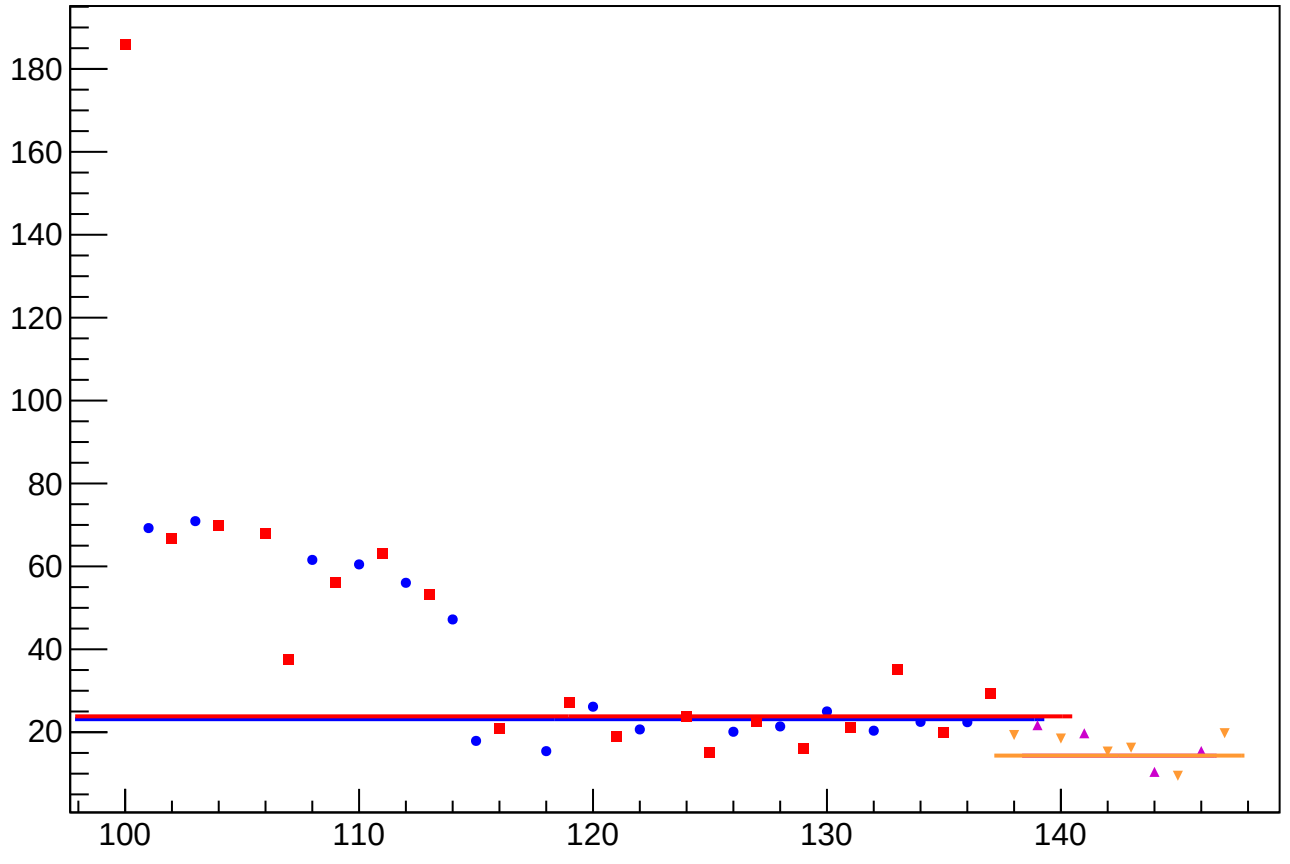
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.001+/-0.004 χ^2/NDF: 47.7/44

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

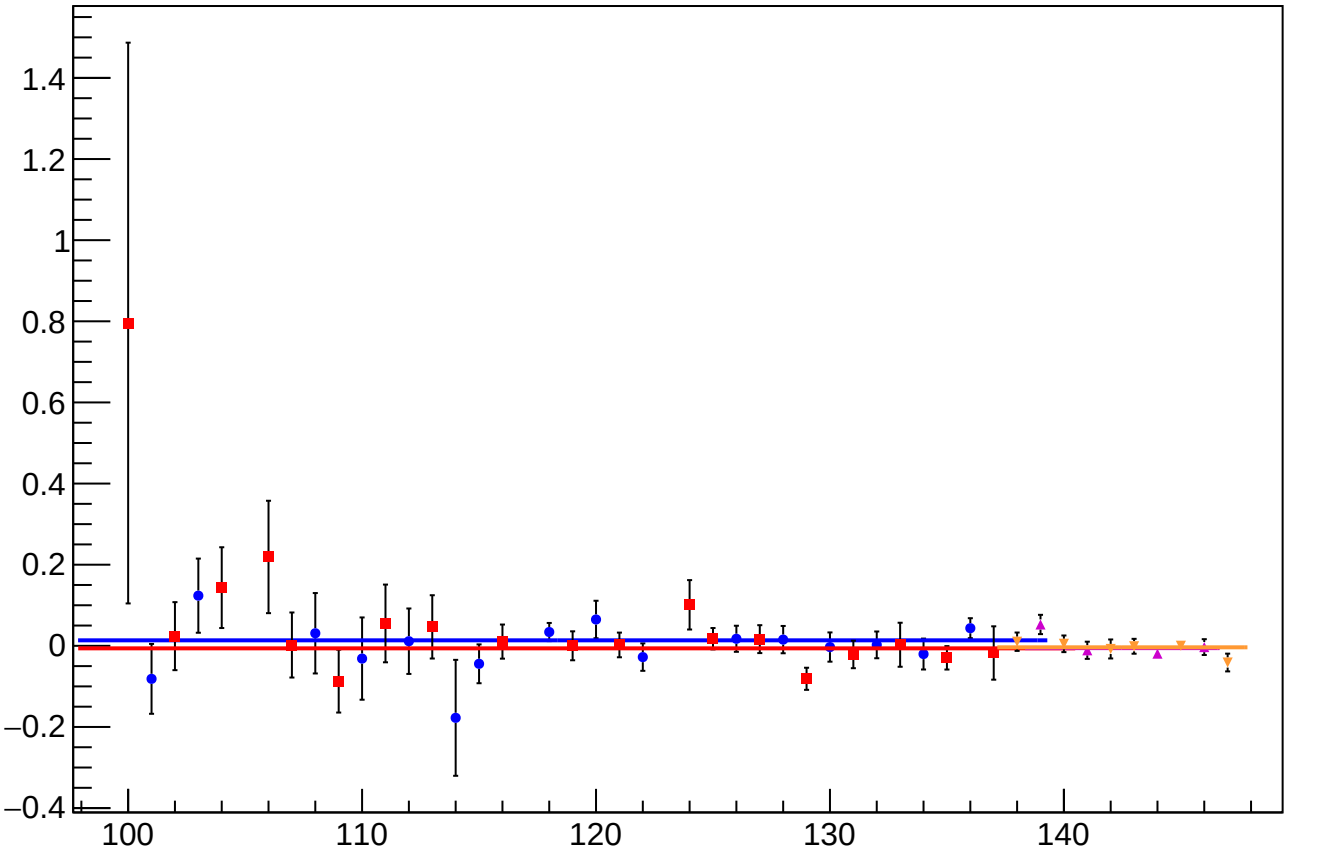
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

+ sign 17.447+/-0.004 χ^2/NDF: 4132304.9/21

All: 17.822+/-0.003 χ^2/NDF: 8634247.6/44

- sign 18.287+/-0.005 χ^2/NDF: 4483415.0/22



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

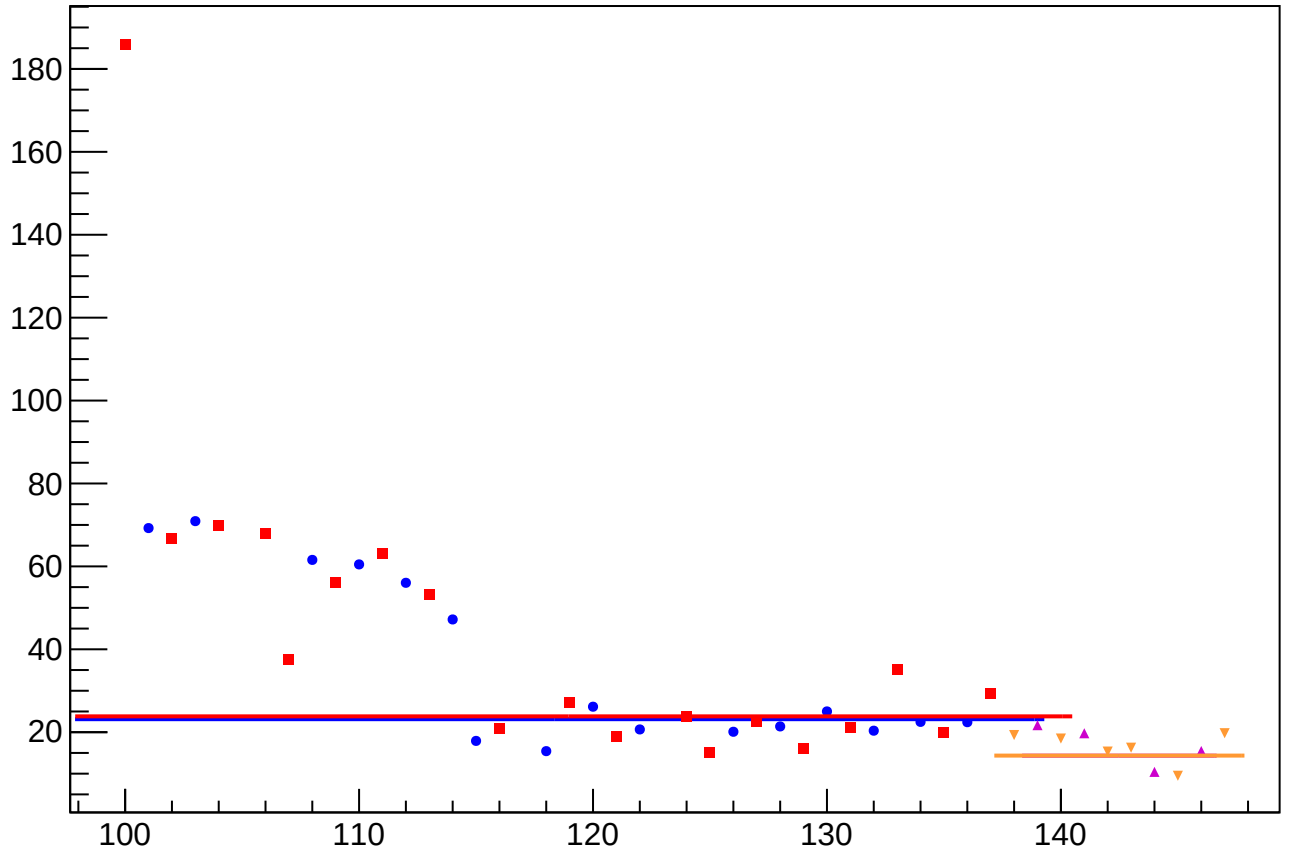
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.001+/-0.004 χ^2/NDF: 47.7/44

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

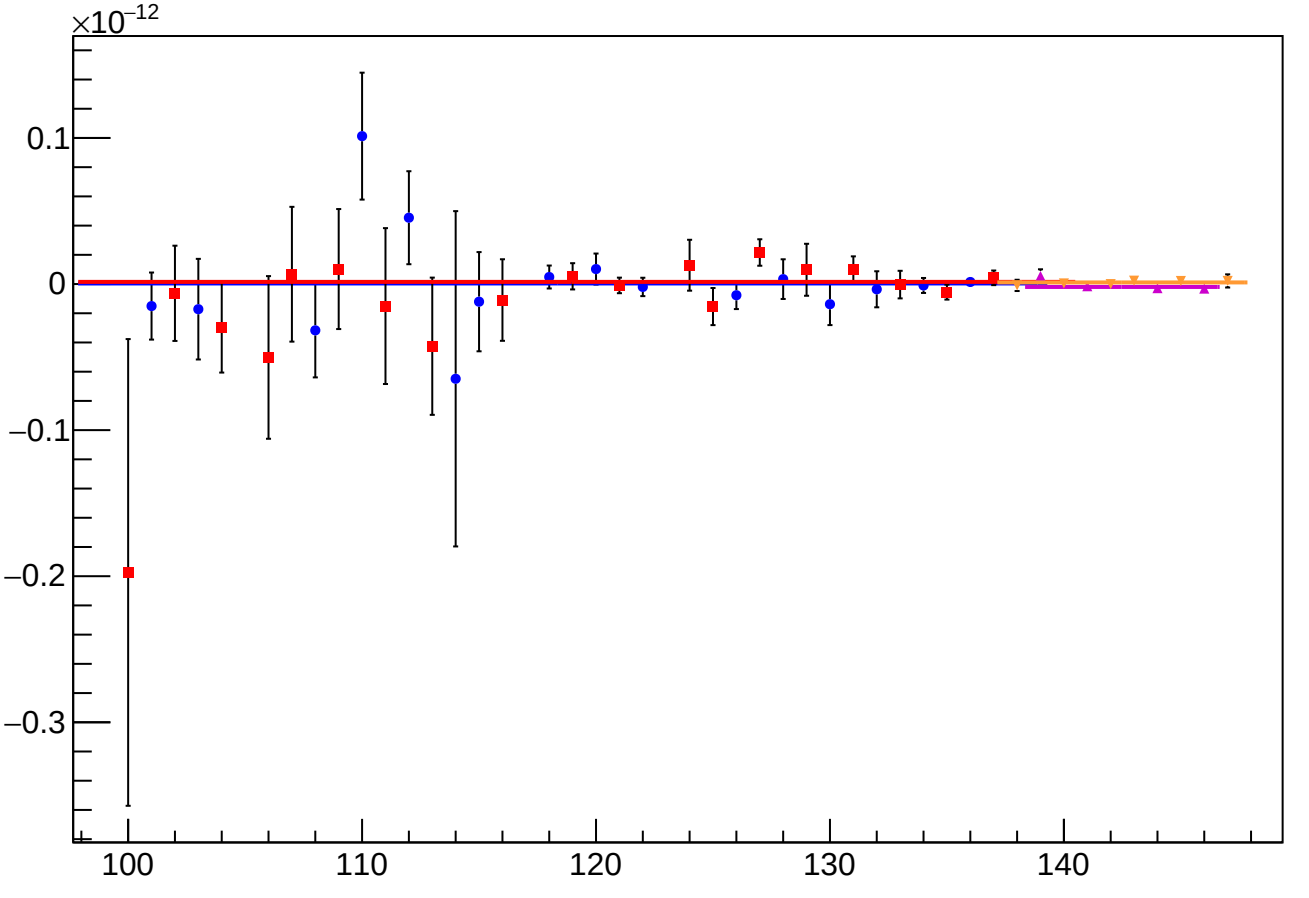
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

+ sign 17.447+/-0.004 χ^2/NDF: 4132304.9/21

All: 17.822+/-0.003 χ^2/NDF: 8634247.6/44

- sign 18.287+/-0.005 χ^2/NDF: 4483415.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

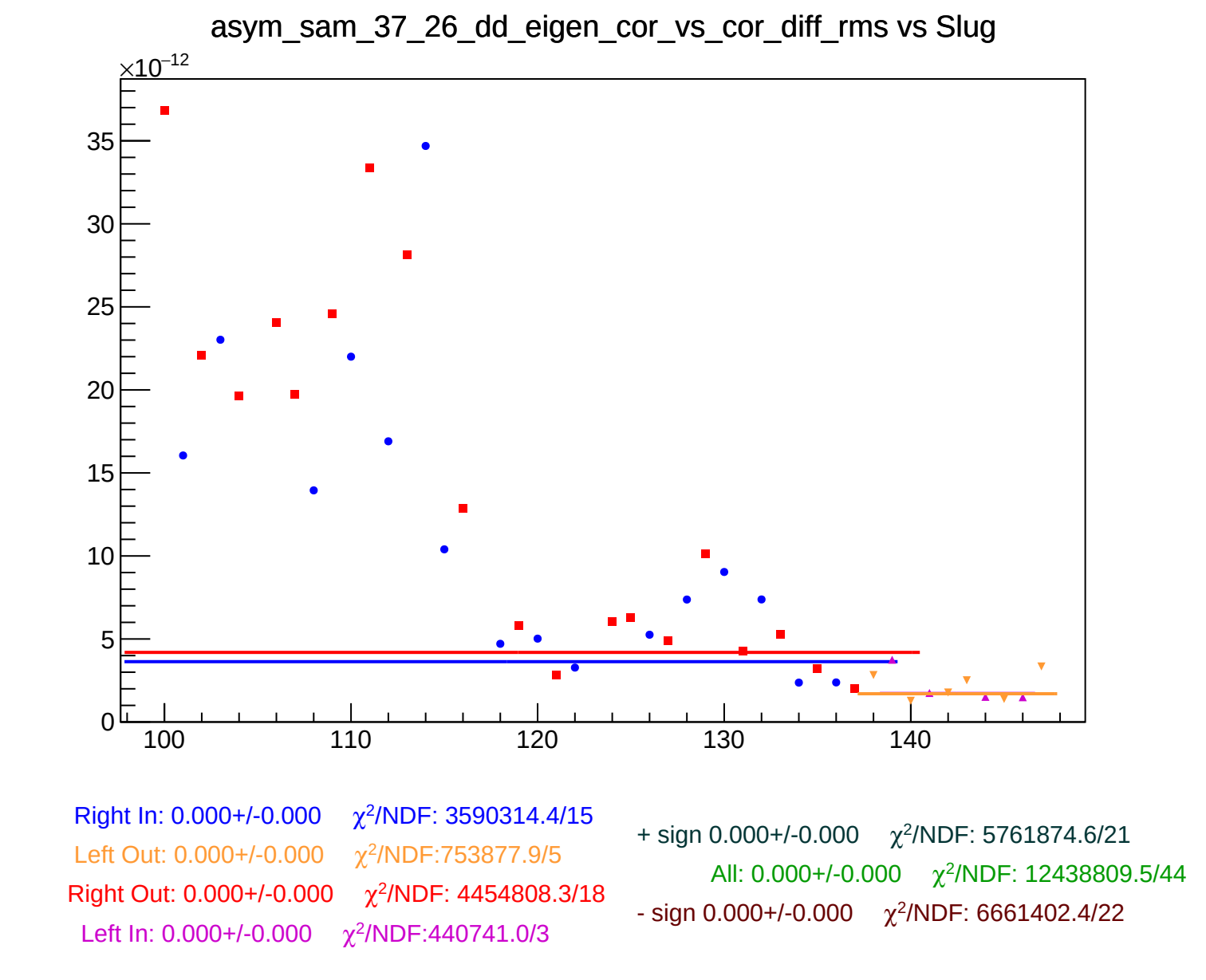
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 14.1/21

All: -0.000+/-0.000 χ^2/NDF: 37.3/44

- sign -0.000+/-0.000 χ^2/NDF: 20.5/22


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
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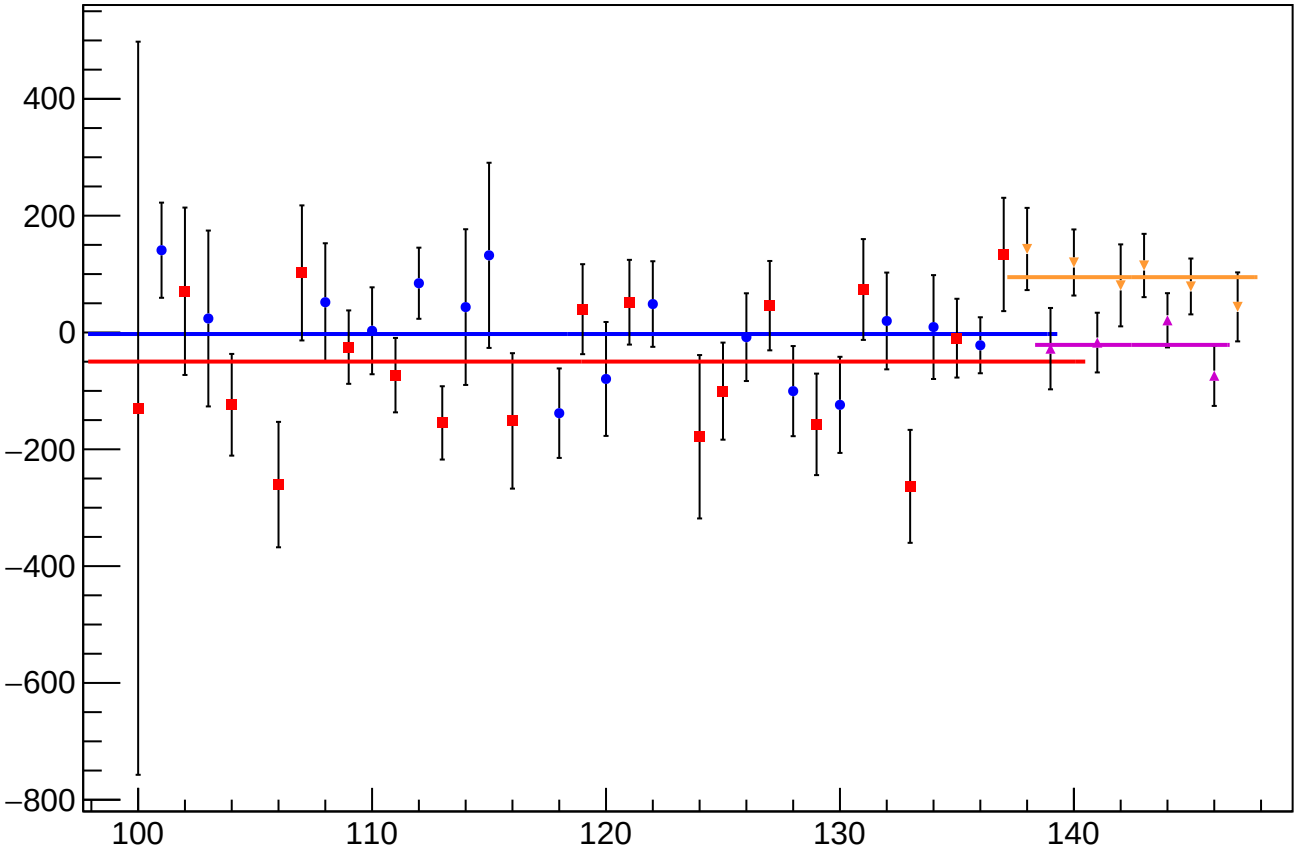
20
15
10
5
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:753877.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:440741.0/3
+ sign 0.000+/-0.000 χ²/NDF: 5761874.6/21
All: 0.000+/-0.000 χ²/NDF: 12438809.5/44
- sign 0.000+/-0.000 χ²/NDF: 6661402.4/22

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 94.722+/-23.689 χ^2/NDF:1.7/5

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

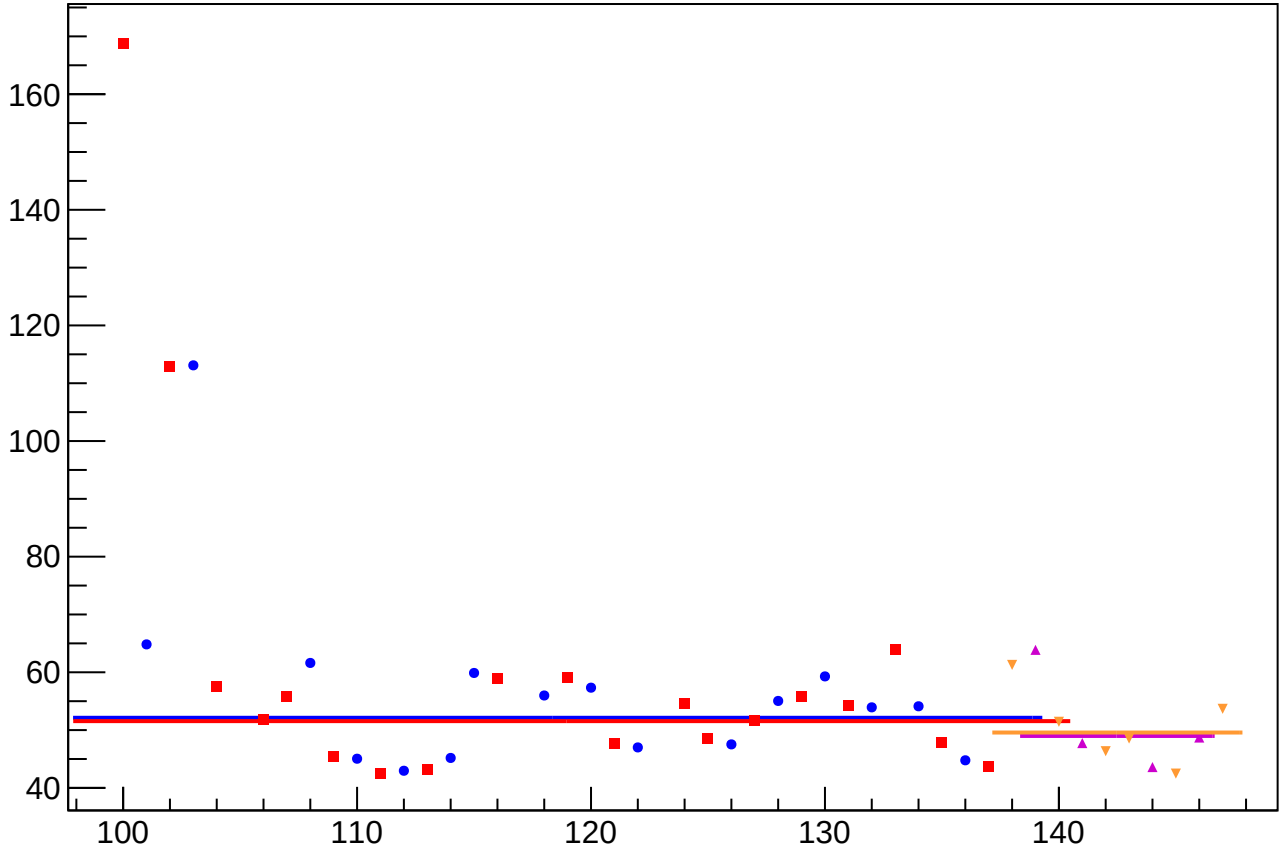
Left In: -21.238+/-26.479 χ^2/NDF:1.9/3

+ sign 37.879+/-15.280 χ^2/NDF: 26.1/21

All: 0.310+/-10.972 χ^2/NDF: 70.6/44

- sign -39.682+/-15.765 χ^2/NDF: 32.0/22

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

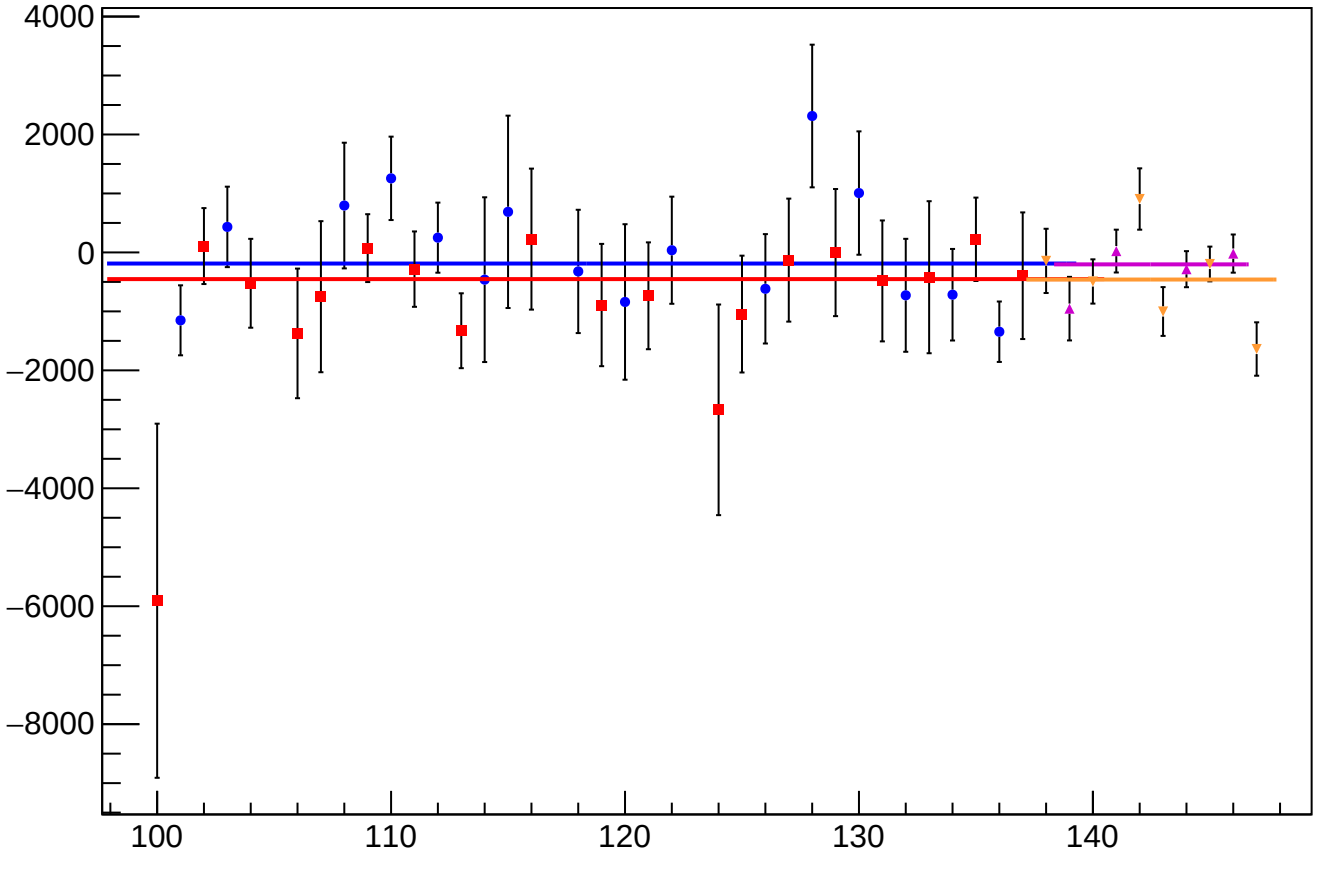
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 51.067+/-0.011 χ^2/NDF: 692629.9/21

All: 50.861+/-0.008 χ^2/NDF: 1464576.8/44

- sign 50.641+/-0.011 χ^2/NDF: 771193.2/22



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -459.817+/-165.778 χ^2/NDF:16.5/5

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

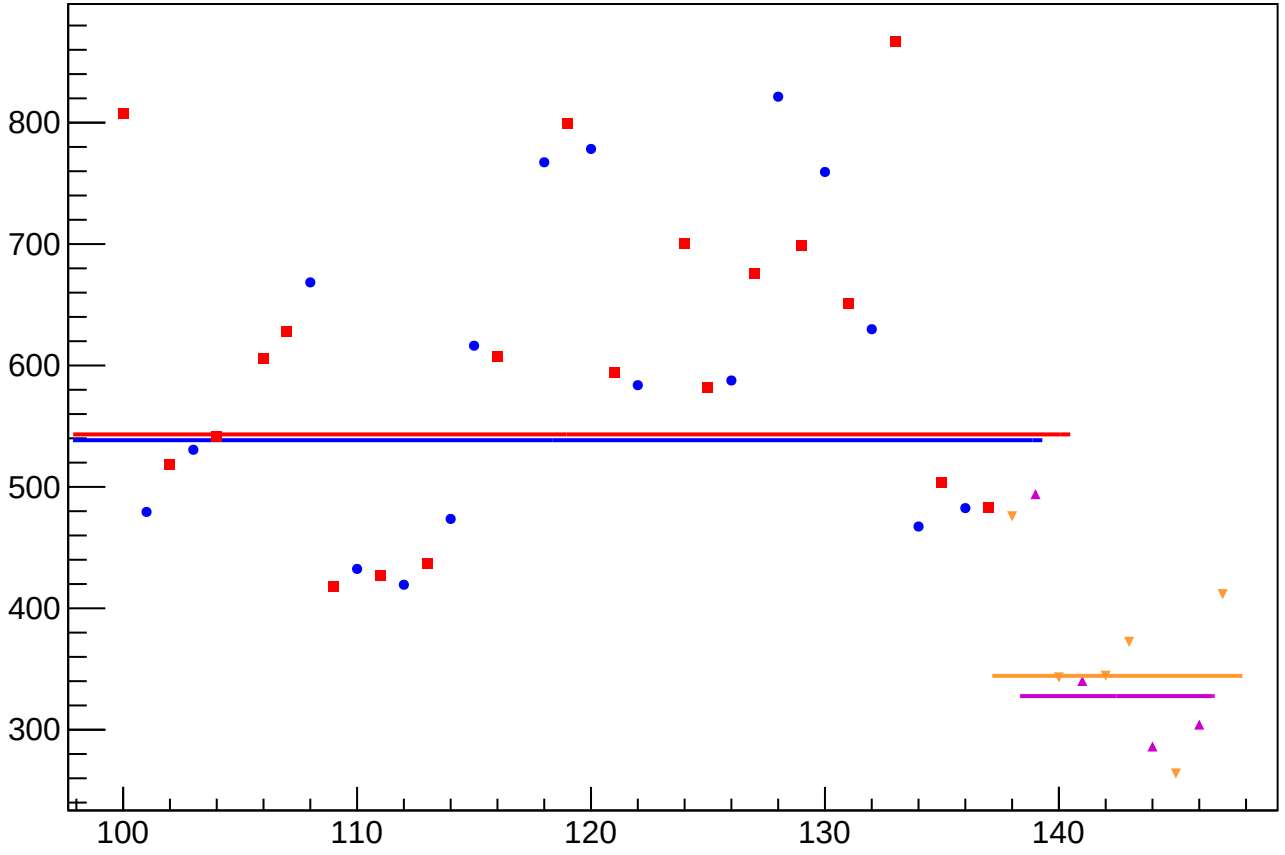
Left In: -202.642+/-178.844 χ^2/NDF:2.7/3

+ sign -353.078+/-129.105 χ^2/NDF: 38.9/21

All: -333.033+/-93.126 χ^2/NDF: 53.9/44

- sign -311.291+/-134.458 χ^2/NDF: 14.9/22

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 344.370+/-0.117 χ^2/NDF:318664.6/5

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

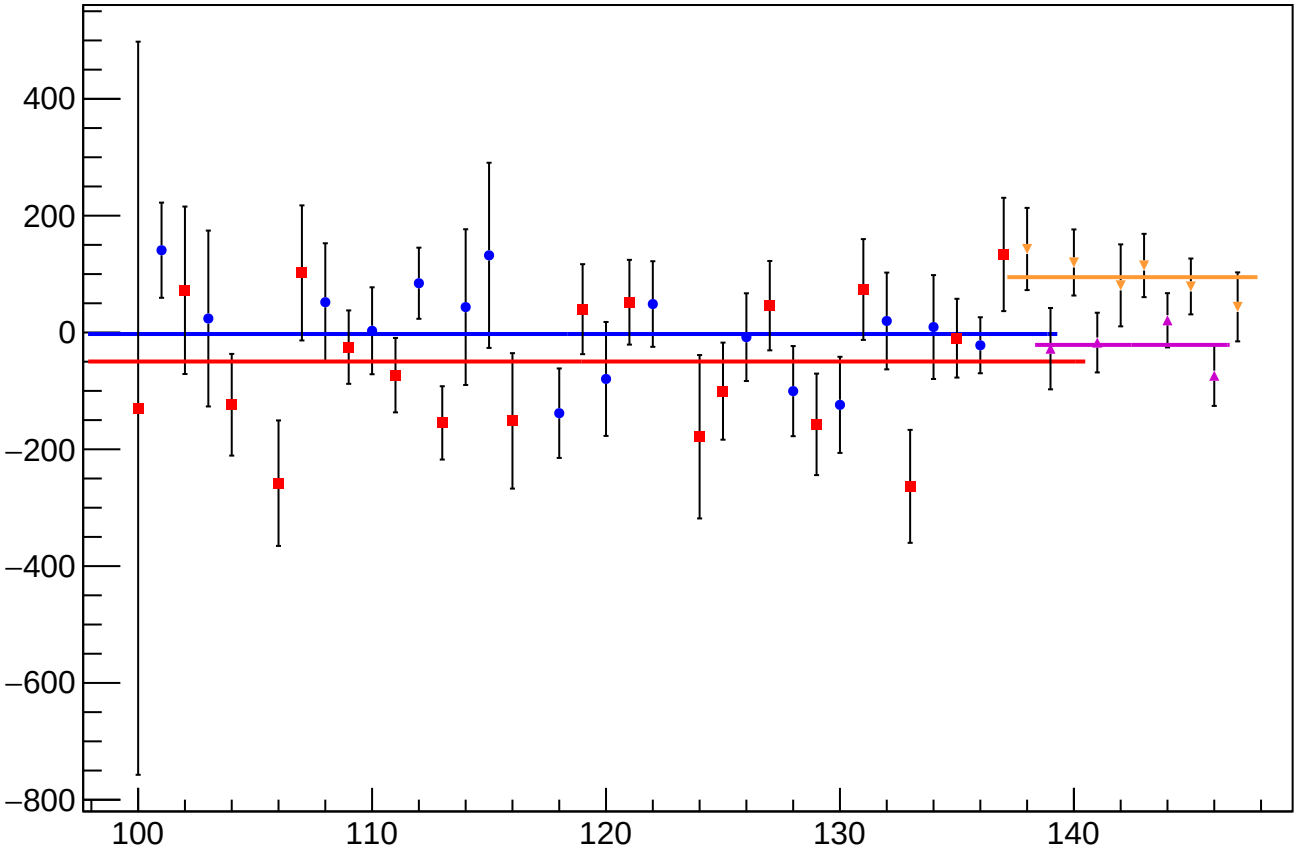
Left In: 327.706+/-0.126 χ^2/NDF:240185.2/3

+ sign 420.748+/-0.091 χ^2/NDF: 2011515.6/21

All: 421.068+/-0.066 χ^2/NDF: 4151781.6/44

- sign 421.415+/-0.095 χ^2/NDF: 2140240.4/22

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

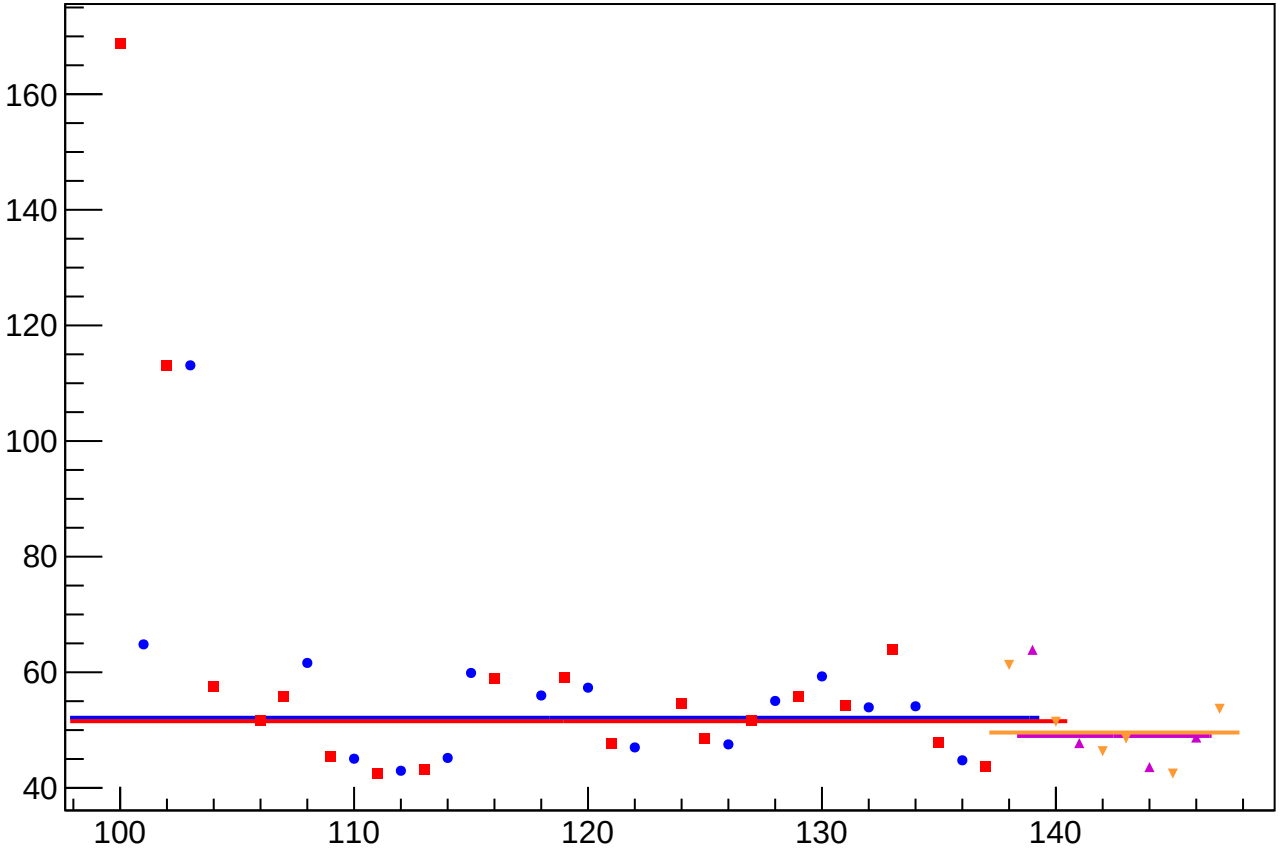
Left In: -21.239+/-26.479 χ^2/NDF:1.9/3

+ sign 37.880+/-15.280 χ^2/NDF: 26.1/21

All: 0.348+/-10.972 χ^2/NDF: 70.5/44

- sign -39.607+/-15.765 χ^2/NDF: 31.9/22

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

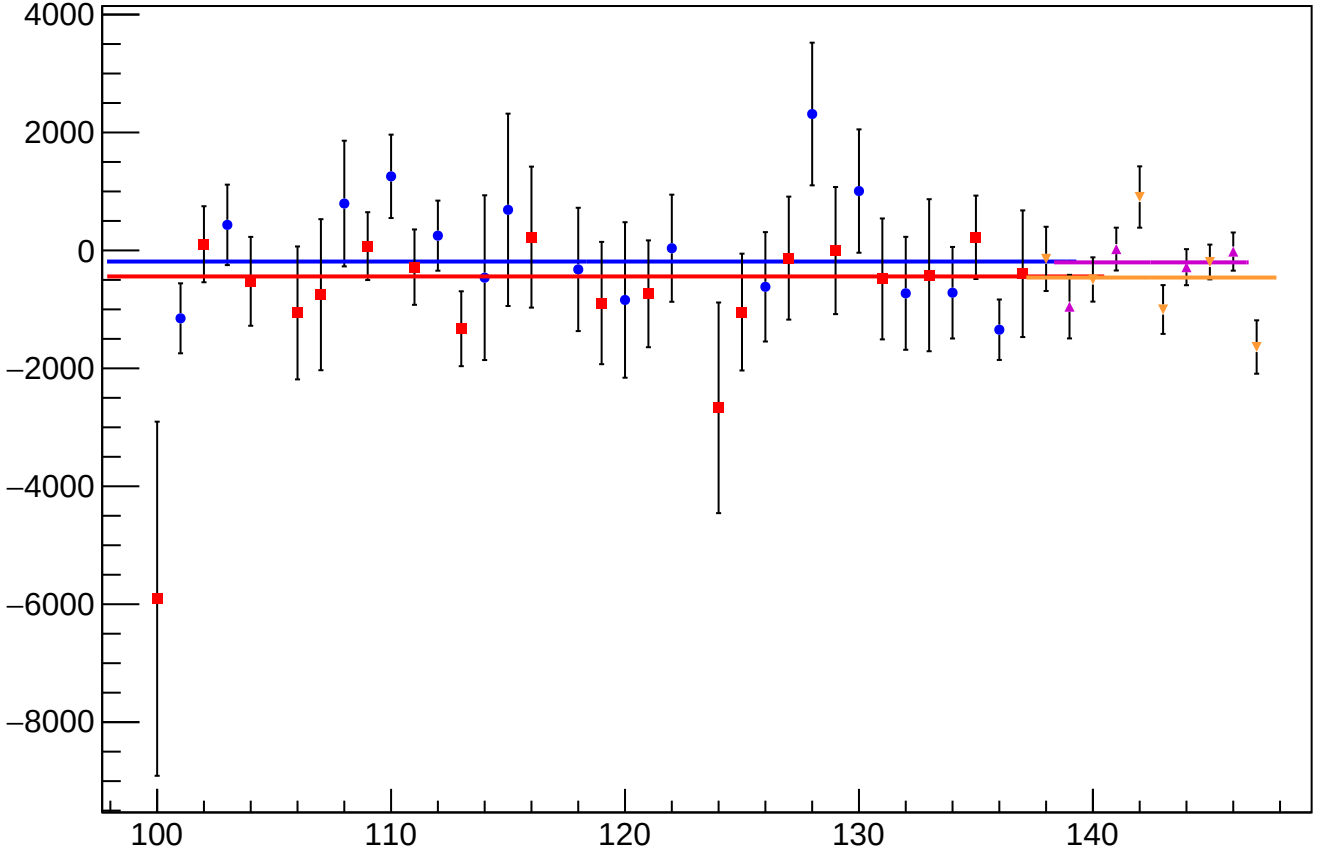
Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 51.067+/-0.011 χ^2/NDF: 692632.1/21

All: 50.858+/-0.008 χ^2/NDF: 1464725.4/44

- sign 50.635+/-0.011 χ^2/NDF: 771315.6/22

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -459.809+/-165.778 χ^2/NDF:16.5/5

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

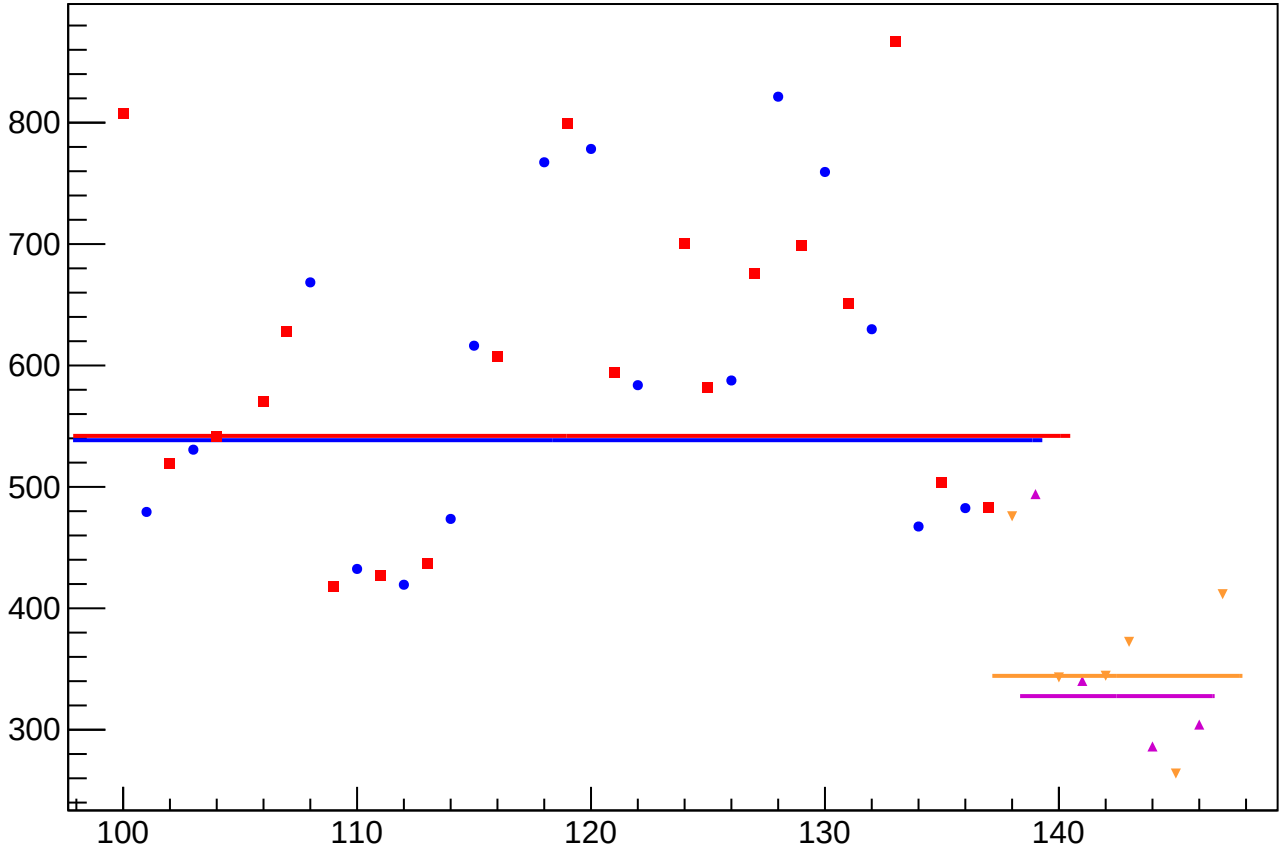
Left In: -202.644+/-178.844 χ^2/NDF:2.7/3

+ sign -353.066+/-129.105 χ^2/NDF: 38.9/21

All: -330.612+/-93.144 χ^2/NDF: 53.4/44

- sign -306.238+/-134.513 χ^2/NDF: 14.4/22

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

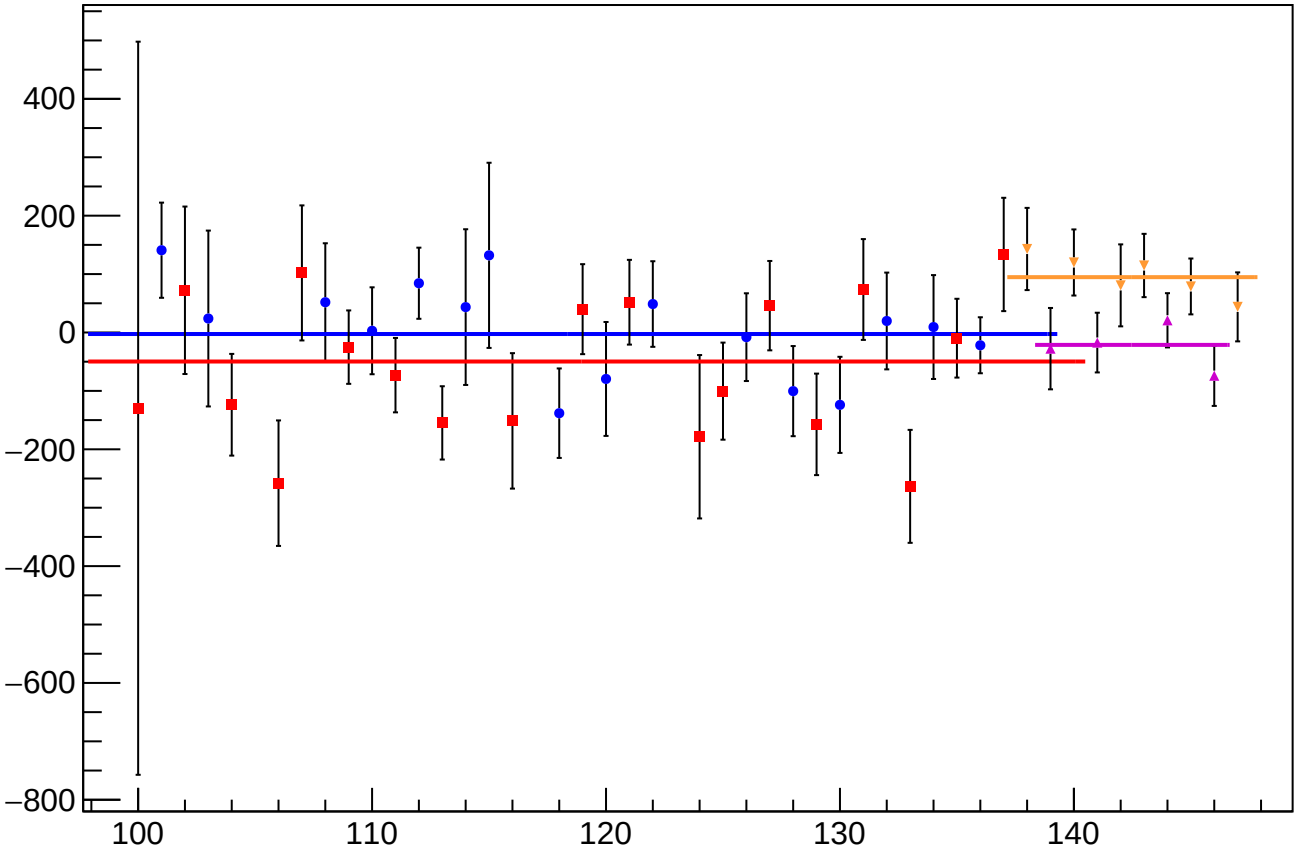
Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

+ sign 420.749+/-0.091 χ^2/NDF: 2011562.5/21

All: 420.767+/-0.066 χ^2/NDF: 4130696.3/44

- sign 420.786+/-0.095 χ^2/NDF: 2119133.7/22

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

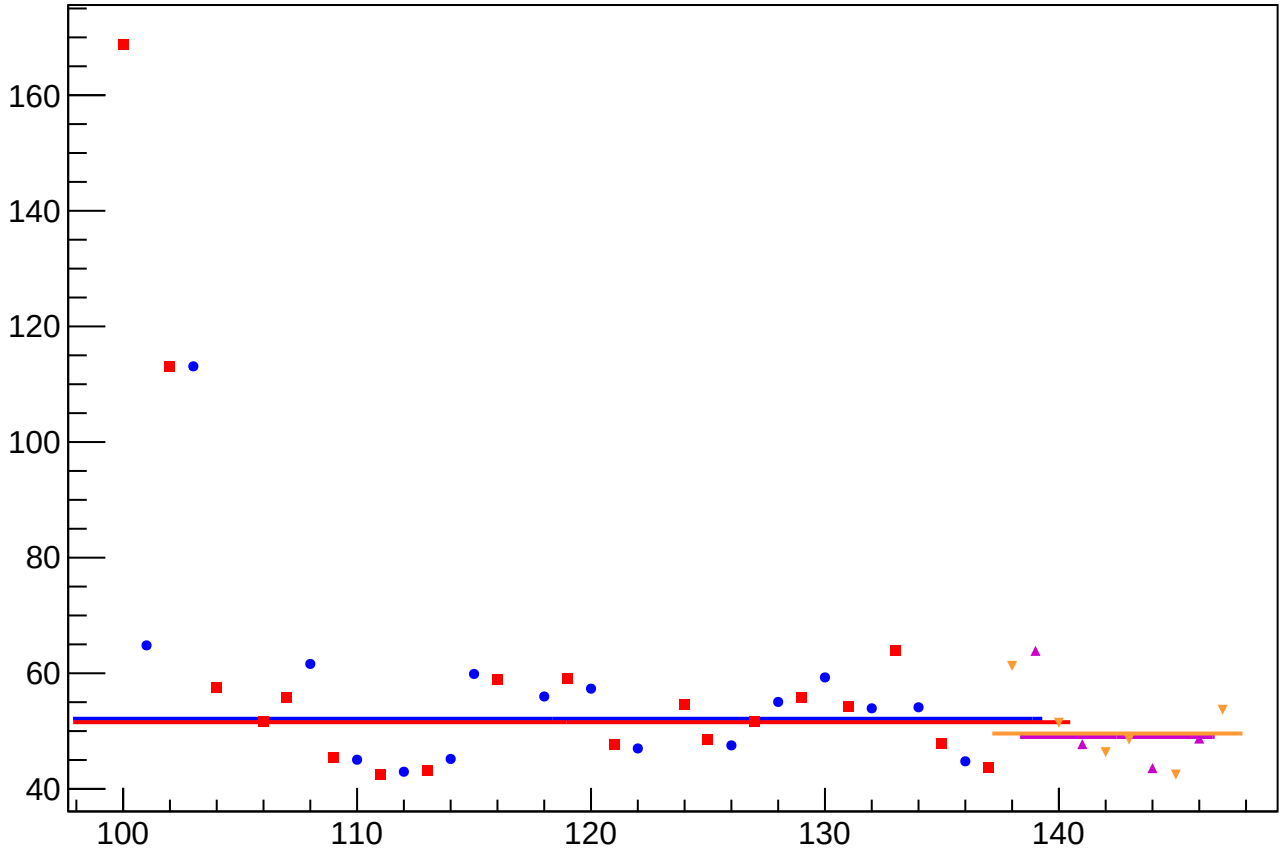
Left In: -21.239+/-26.479 χ^2/NDF:1.9/3

+ sign 37.880+/-15.280 χ^2/NDF: 26.1/21

All: 0.348+/-10.972 χ^2/NDF: 70.5/44

- sign -39.607+/-15.765 χ^2/NDF: 31.9/22

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

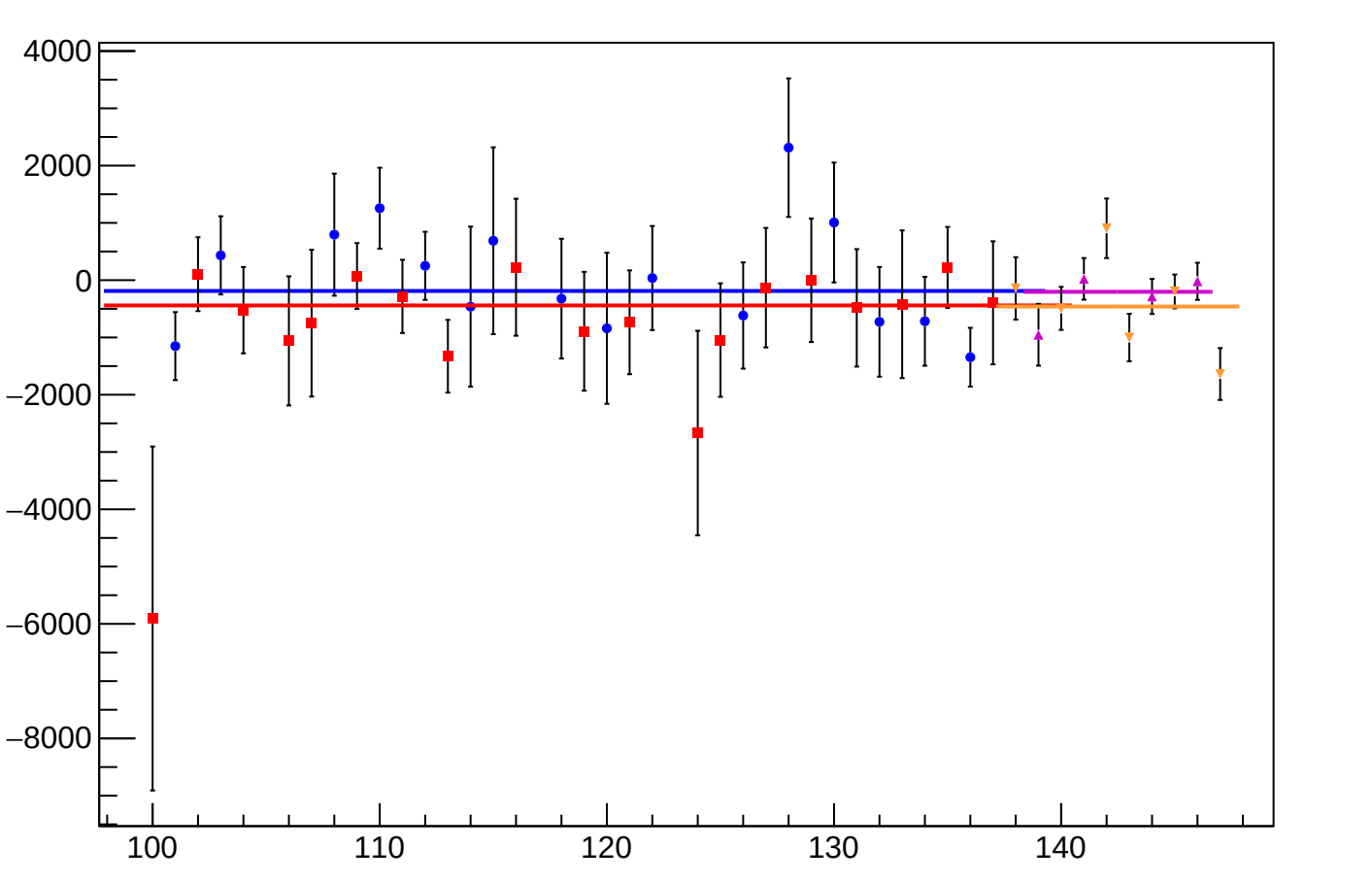
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 51.067+/-0.011 χ^2/NDF: 692632.1/21

All: 50.858+/-0.008 χ^2/NDF: 1464725.4/44

- sign 50.635+/-0.011 χ^2/NDF: 771315.6/22



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -459.809+/-165.778 χ^2/NDF:16.5/5

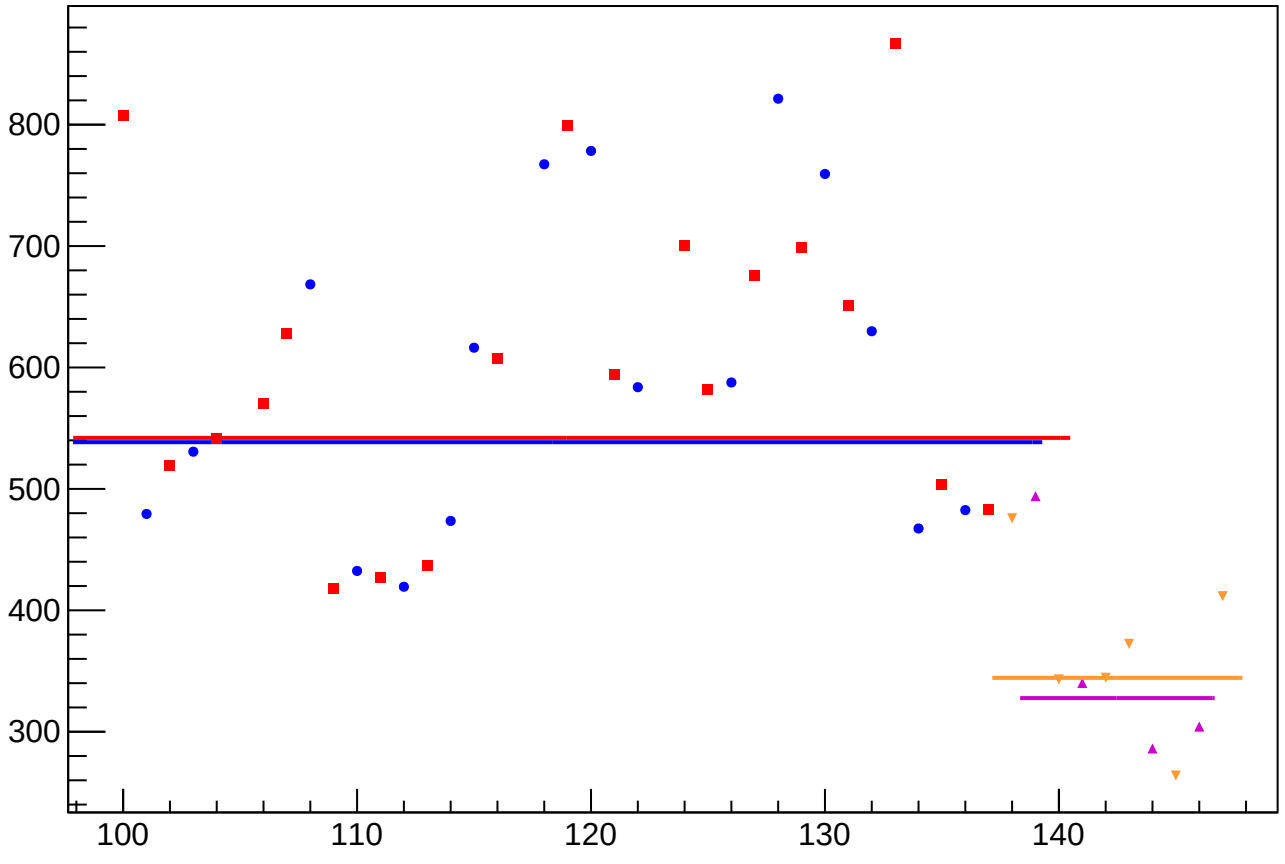
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -202.644+/-178.844 χ^2/NDF:2.7/3

+ sign -353.066+/-129.105 χ^2/NDF: 38.9/21

All: -330.612+/-93.144 χ^2/NDF: 53.4/44

- sign -306.238+/-134.513 χ^2/NDF: 14.4/22



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

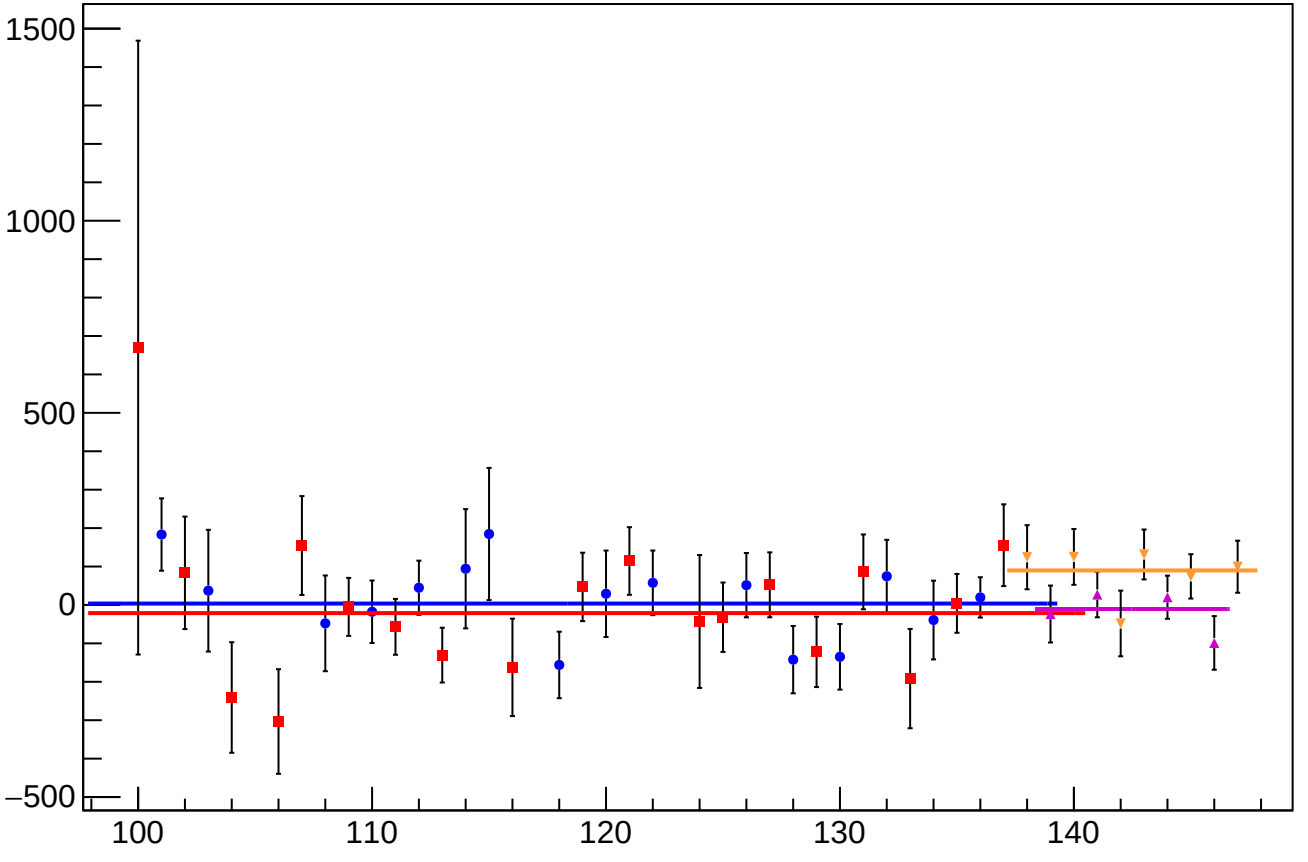
Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

+ sign 420.749+/-0.091 χ^2/NDF: 2011562.5/21

All: 420.767+/-0.066 χ^2/NDF: 4130696.3/44

- sign 420.786+/-0.095 χ^2/NDF: 2119133.7/22

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.884+/-28.566 χ^2/NDF:3.5/5

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

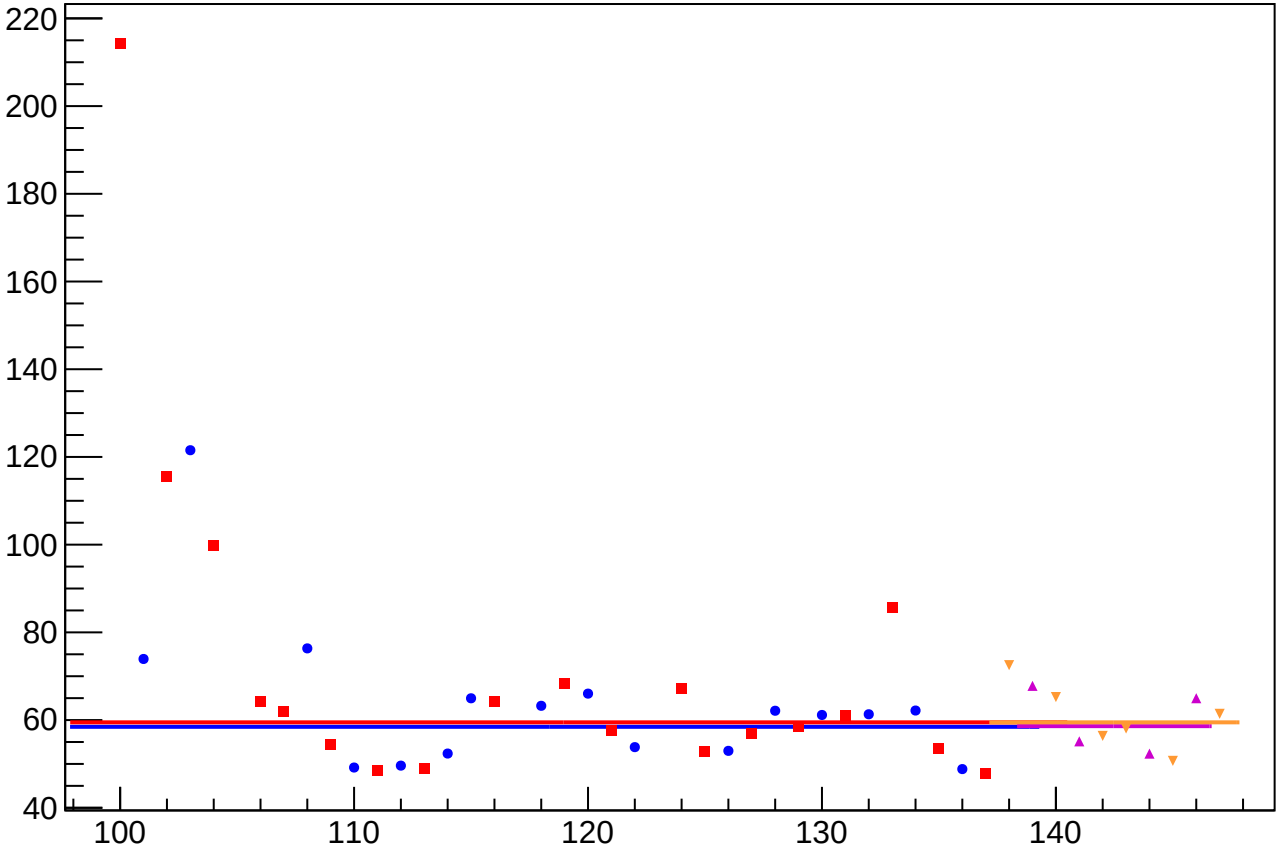
Left In: -10.558+/-31.779 χ^2/NDF:2.3/3

+ sign 36.597+/-17.666 χ^2/NDF: 25.3/21

All: 10.749+/-12.779 χ^2/NDF: 56.6/44

- sign -17.625+/-18.508 χ^2/NDF: 26.8/22

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 59.483+/-0.020 χ^2/NDF:112995.9/5

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

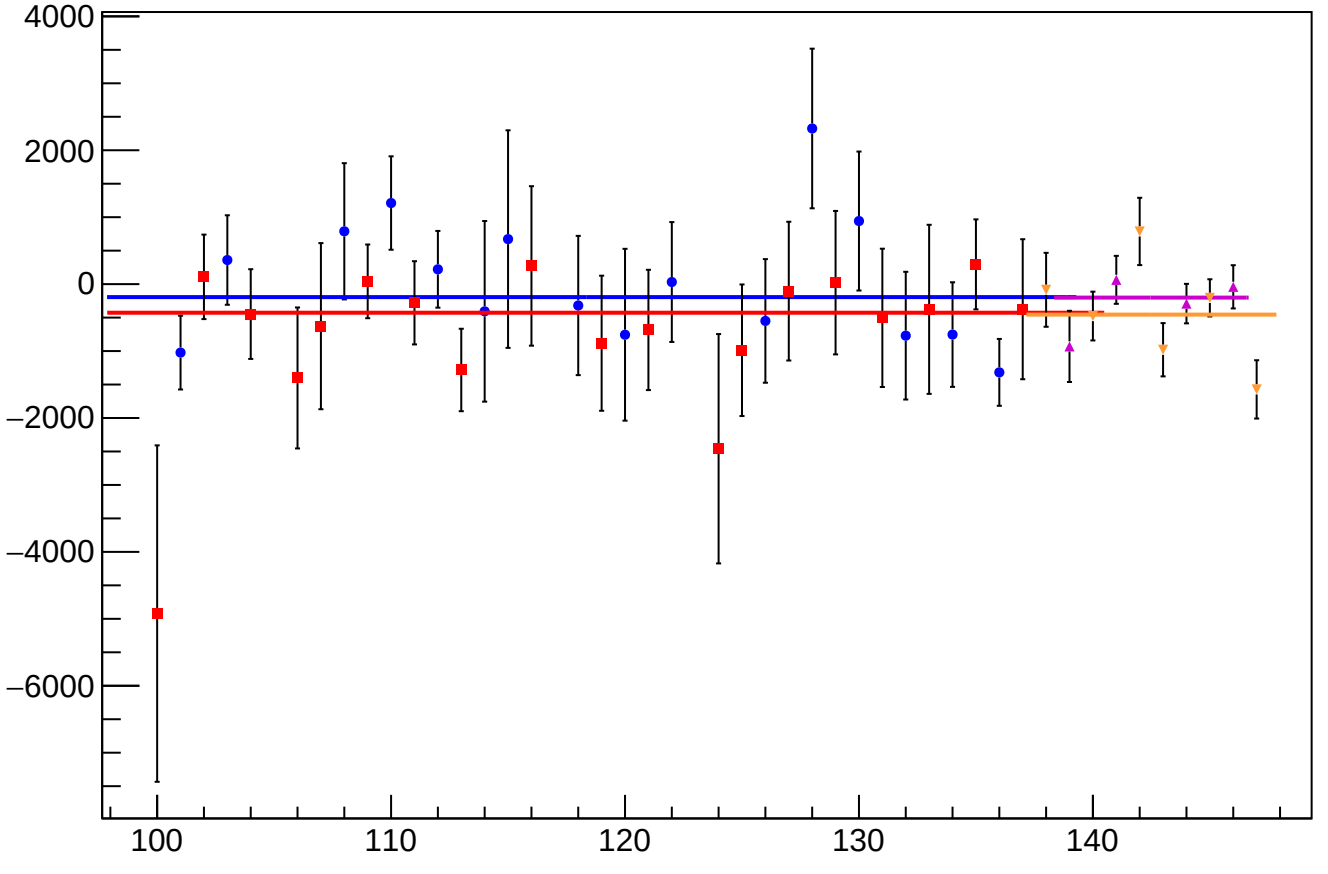
Left In: 58.616+/-0.022 χ^2/NDF:79187.8/3

+ sign 58.855+/-0.012 χ^2/NDF: 697548.5/21

All: 59.014+/-0.009 χ^2/NDF: 1562945.6/44

- sign 59.189+/-0.013 χ^2/NDF: 865054.7/22

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -455.325+/-159.535 χ^2/NDF:15.7/5

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

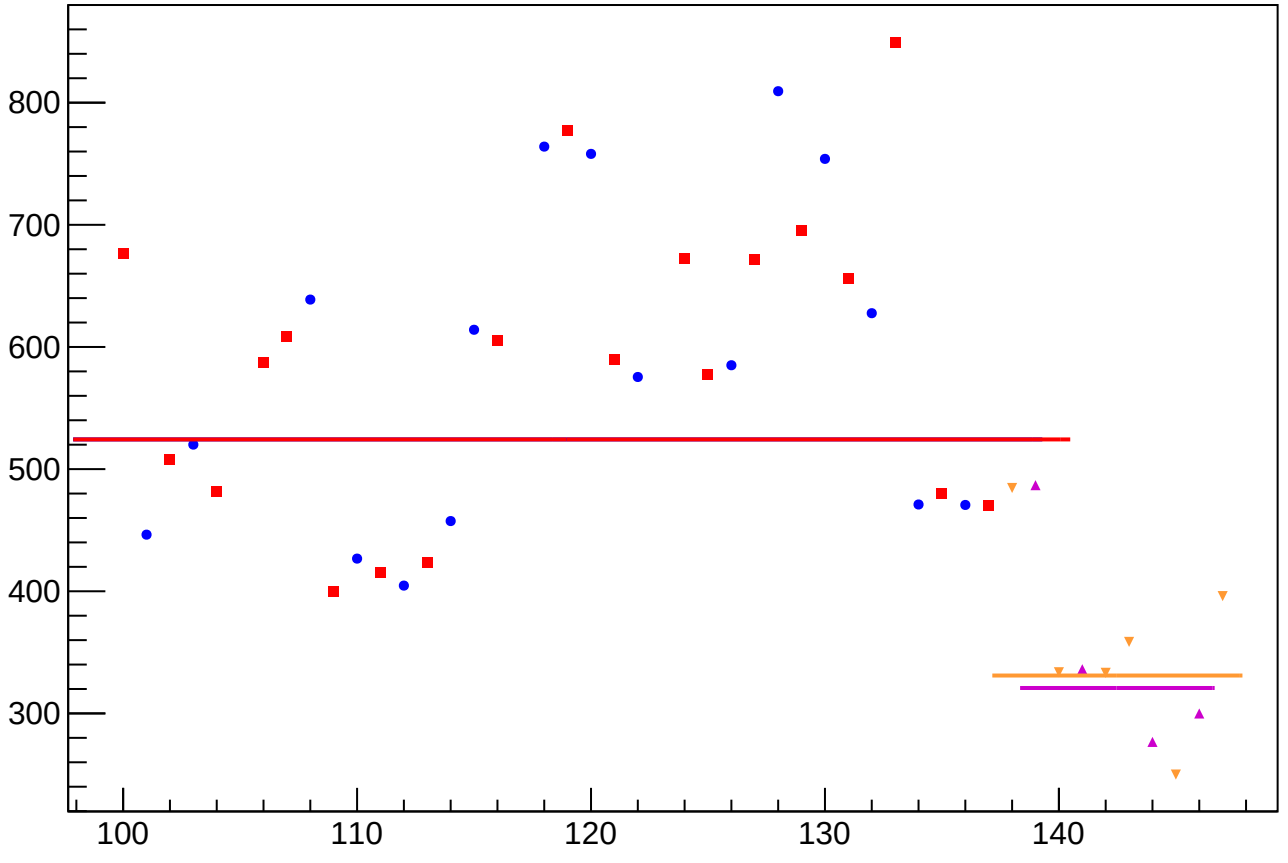
Left In: -201.261+/-175.681 χ^2/NDF:2.8/3

+ sign -354.041+/-124.863 χ^2/NDF: 37.5/21

All: -328.933+/-90.422 χ^2/NDF: 52.4/44

- sign -301.246+/-131.118 χ^2/NDF: 14.8/22

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 331.024+/-0.113 χ^2/NDF:378868.0/5

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

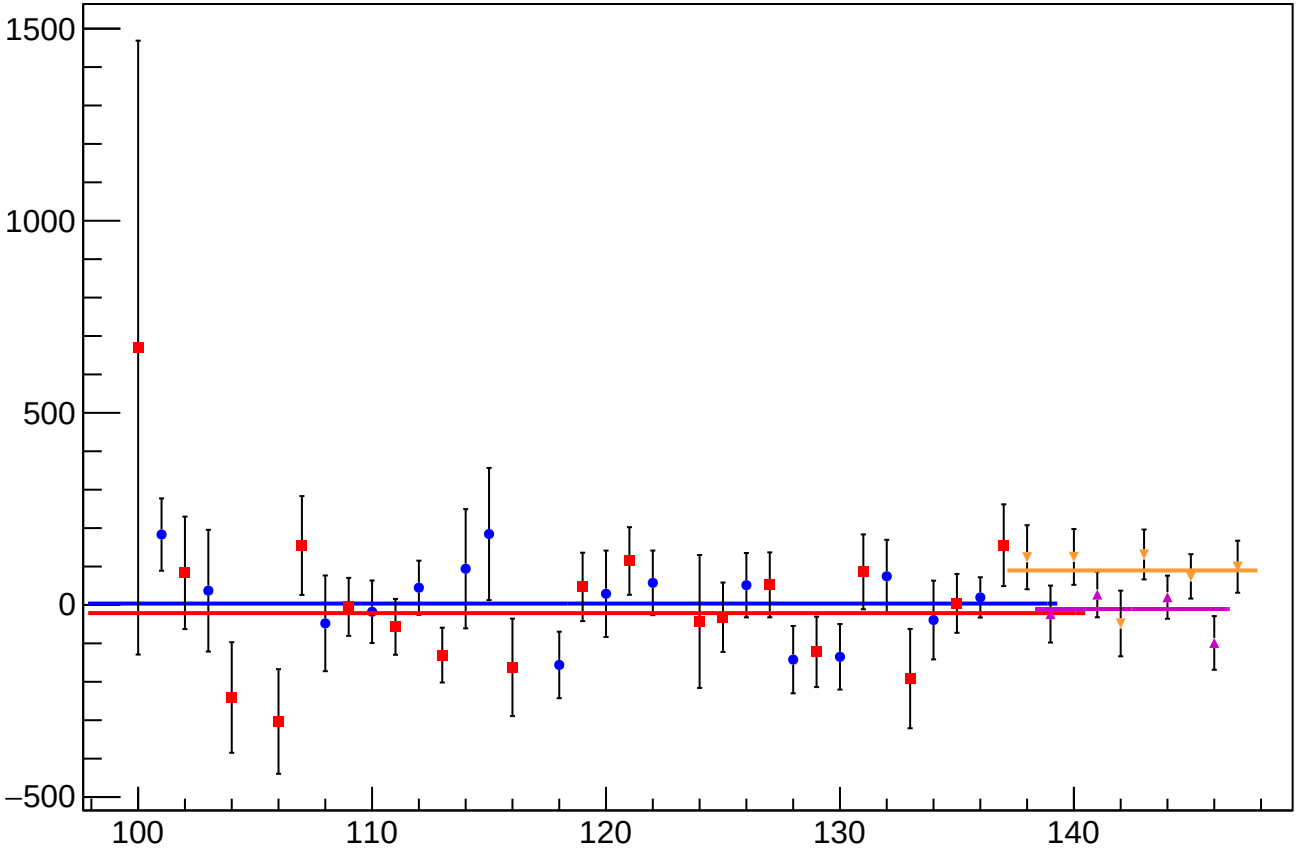
Left In: 320.820+/-0.124 χ^2/NDF:251770.9/3

+ sign 405.914+/-0.088 χ^2/NDF: 2174946.8/21

All: 408.313+/-0.064 χ^2/NDF: 4302905.7/44

- sign 410.958+/-0.093 χ^2/NDF: 2126406.9/22

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.883+/-28.566 χ^2/NDF:3.5/5

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

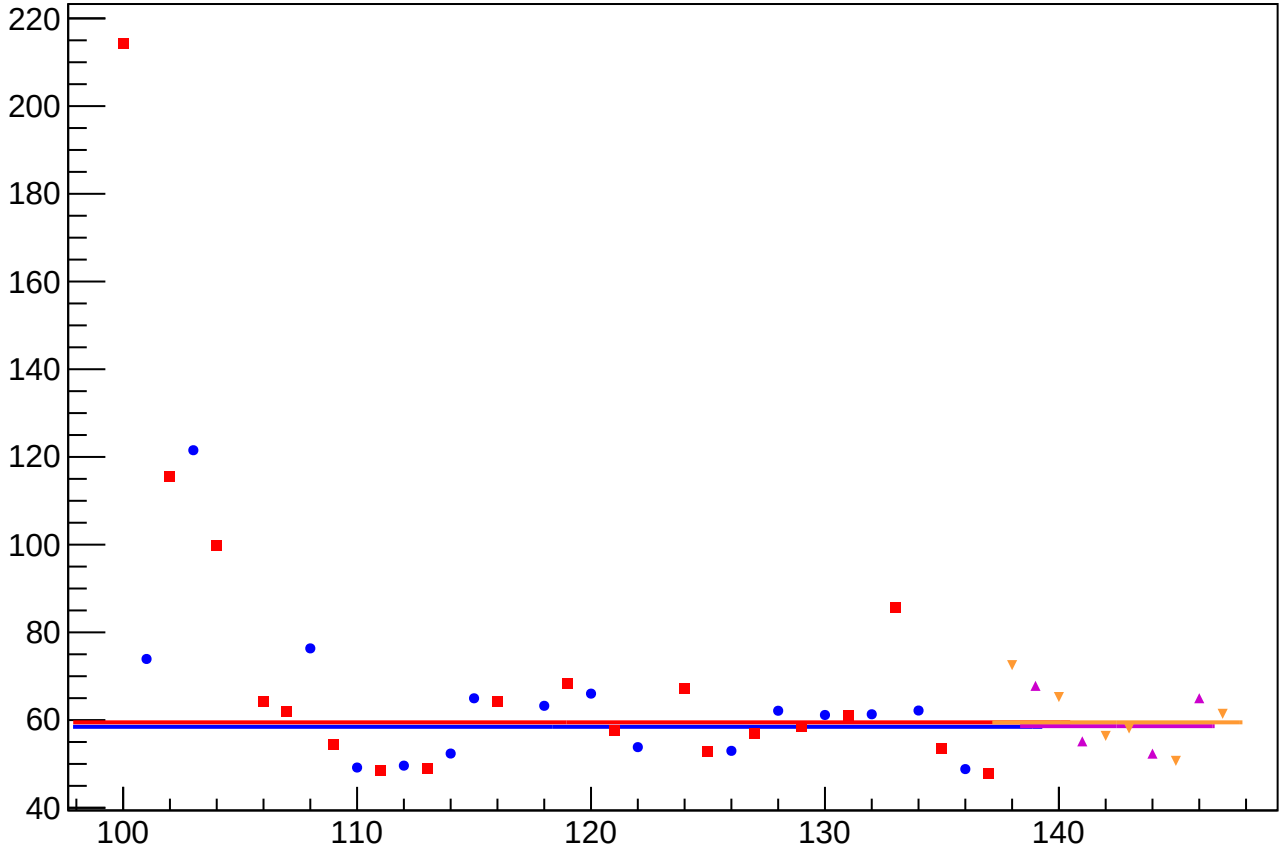
Left In: -10.559+/-31.779 χ^2/NDF:2.3/3

+ sign 36.597+/-17.666 χ^2/NDF: 25.3/21

All: 10.749+/-12.779 χ^2/NDF: 56.6/44

- sign -17.625+/-18.509 χ^2/NDF: 26.8/22

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 59.484+/-0.020 χ^2/NDF:112995.4/5

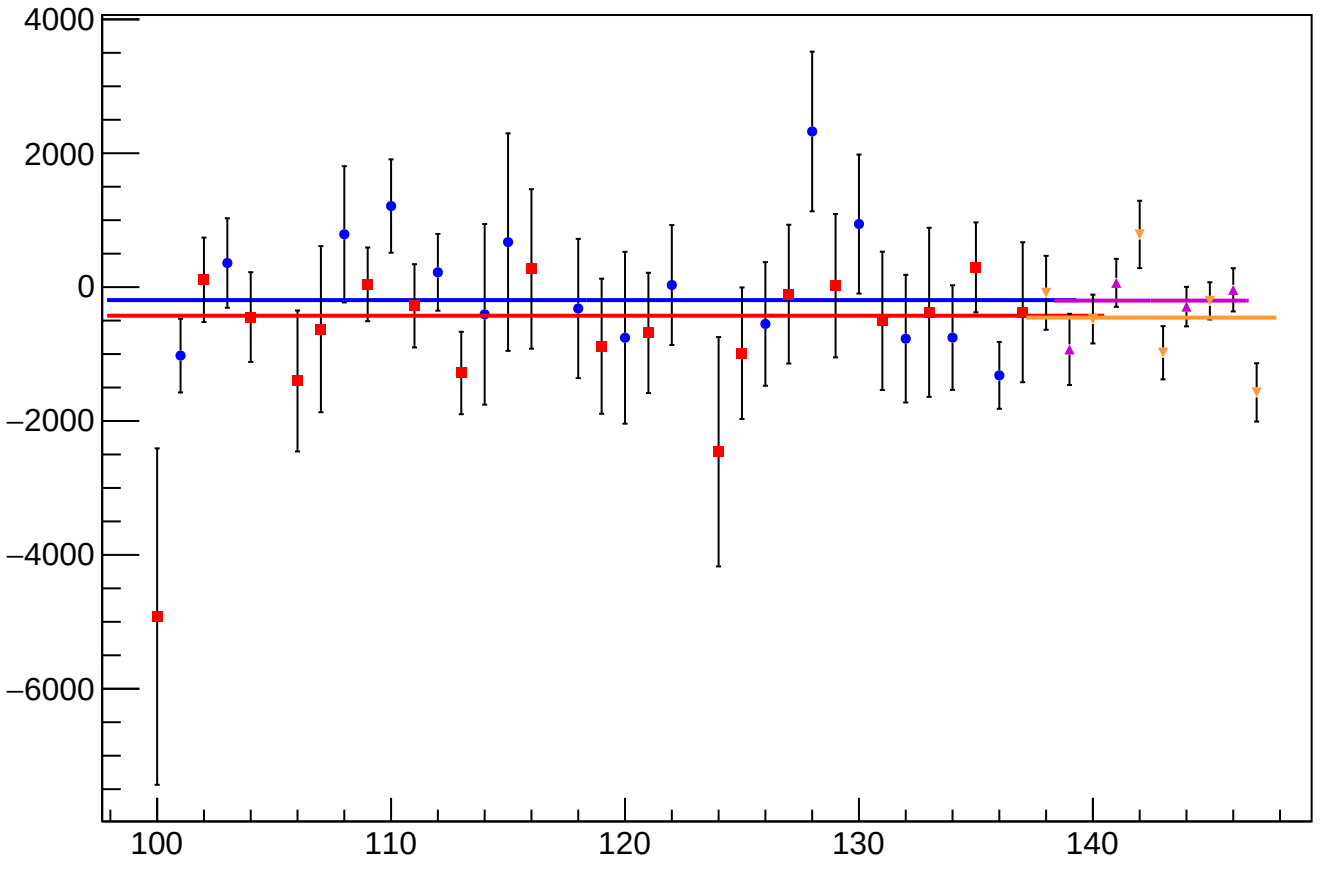
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.616+/-0.022 χ^2/NDF:79186.8/3

+ sign 58.855+/-0.012 χ^2/NDF: 697544.9/21

All: 59.015+/-0.009 χ^2/NDF: 1562940.9/44

- sign 59.190+/-0.013 χ^2/NDF: 865053.6/22



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -455.326+/-159.535 χ^2/NDF:15.7/5

Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

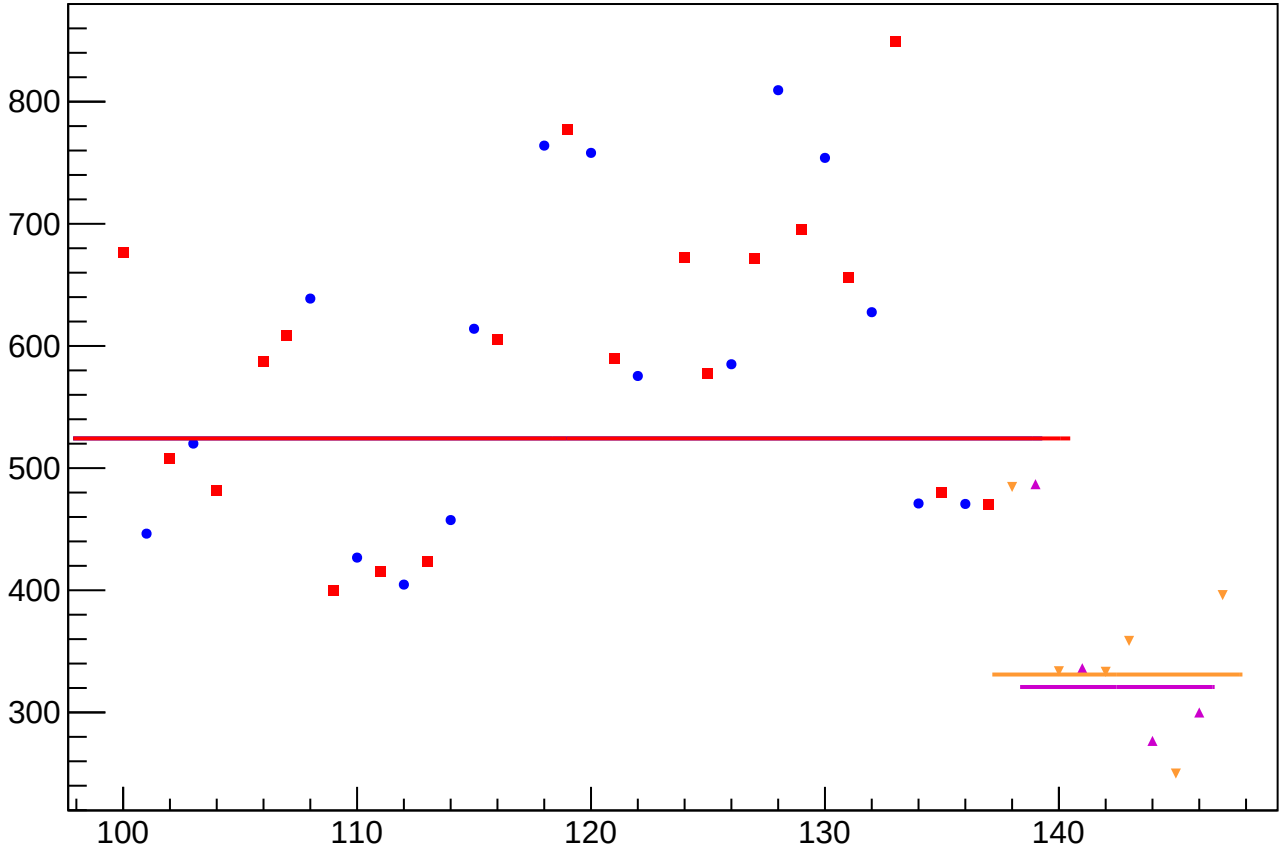
Left In: -201.262+/-175.681 χ^2/NDF:2.8/3

+ sign -354.041+/-124.863 χ^2/NDF: 37.5/21

All: -328.933+/-90.422 χ^2/NDF: 52.4/44

- sign -301.246+/-131.118 χ^2/NDF: 14.8/22

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 331.024+/-0.113 χ^2/NDF:378869.3/5

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

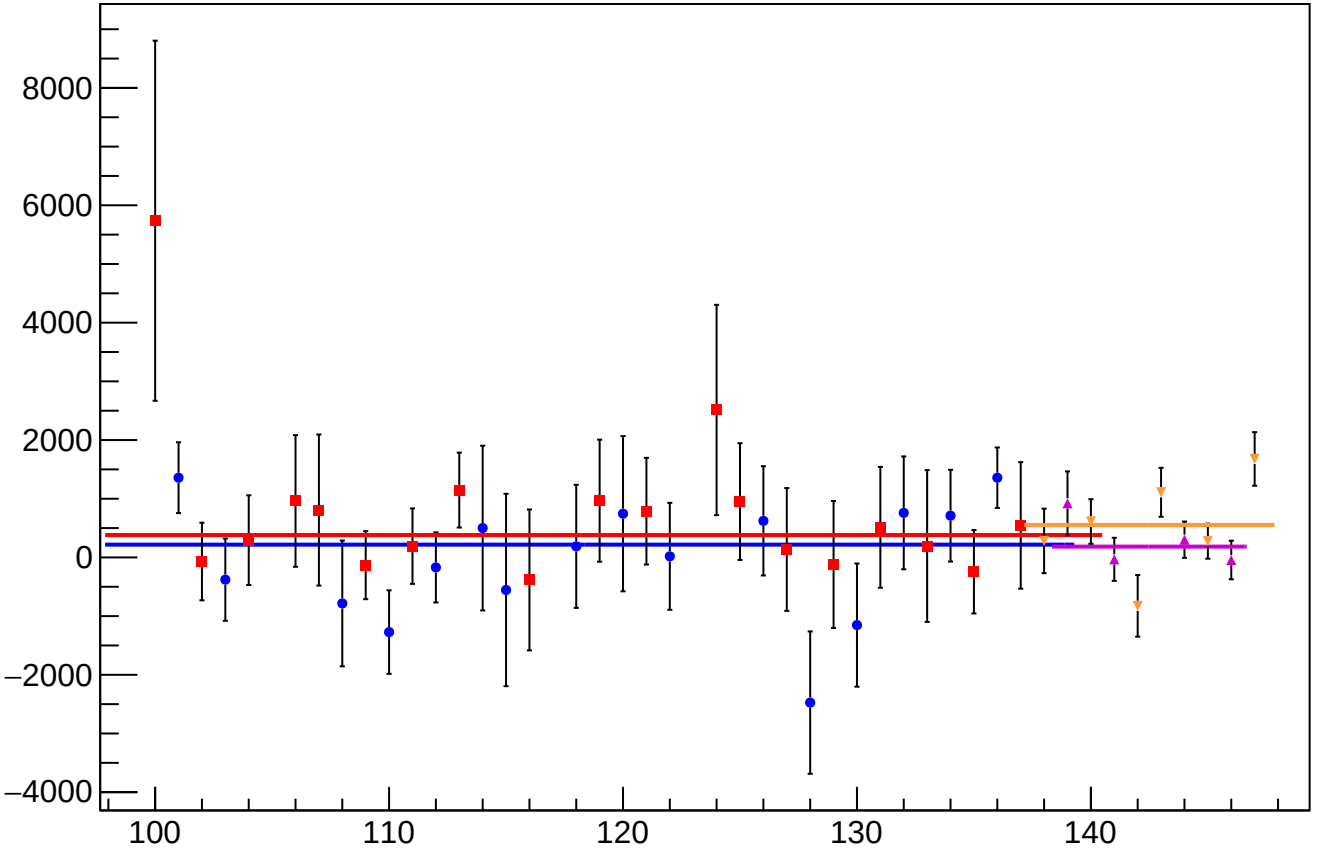
Left In: 320.820+/-0.124 χ^2/NDF:251771.8/3

\+ sign 405.914+/-0.088 χ^2/NDF: 2174944.5/21

All: 408.313+/-0.064 χ^2/NDF: 4302897.4/44

\- sign 410.958+/-0.093 χ^2/NDF: 2126400.9/22

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 553.054+/-167.561 χ^2/NDF:15.9/5

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

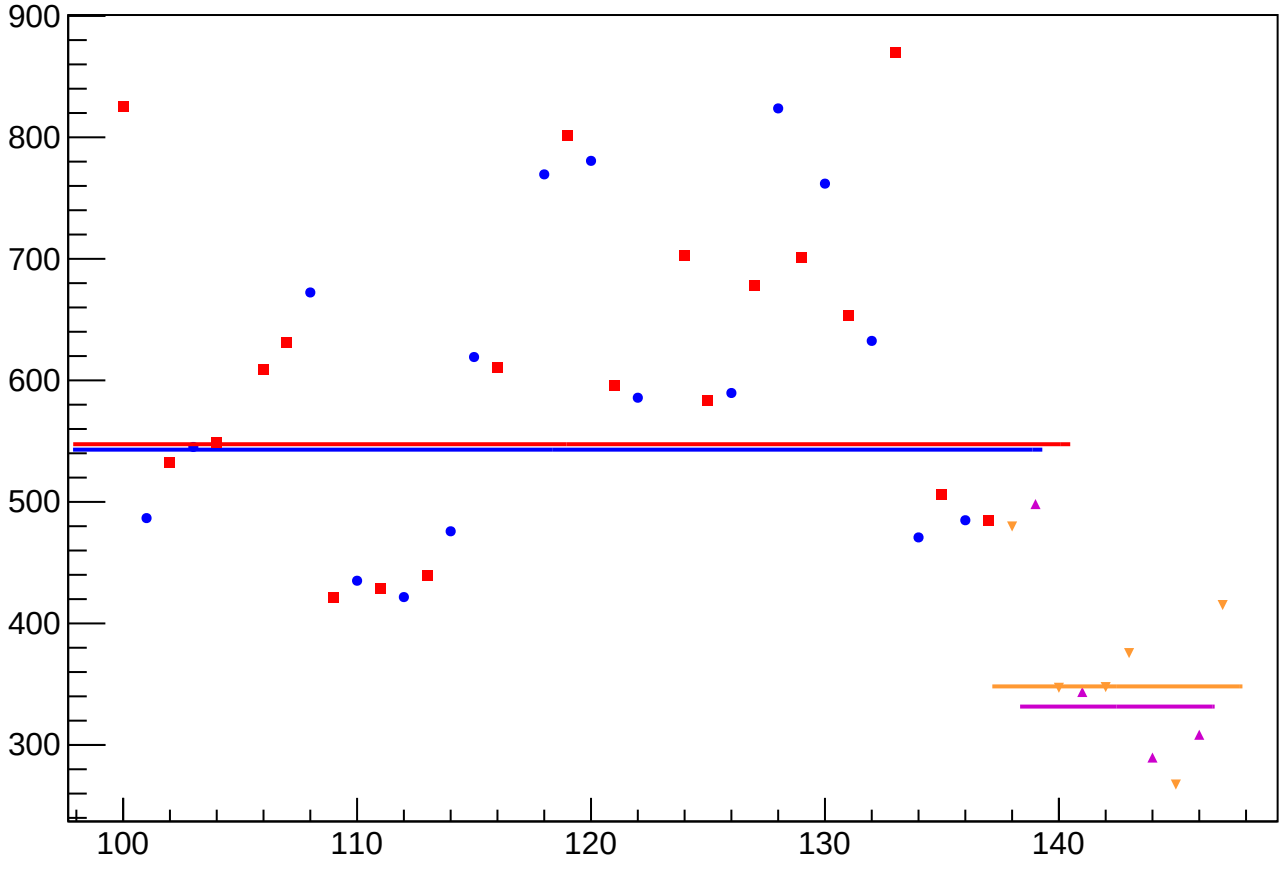
Left In: 184.105+/-180.903 χ^2/NDF:2.8/3

+ sign 420.703+/-130.362 χ^2/NDF: 40.3/21

All: 348.624+/-94.047 χ^2/NDF: 54.3/44

- sign 270.394+/-135.810 χ^2/NDF: 13.3/22

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 348.180+/-0.118 χ^2/NDF:312504.4/5

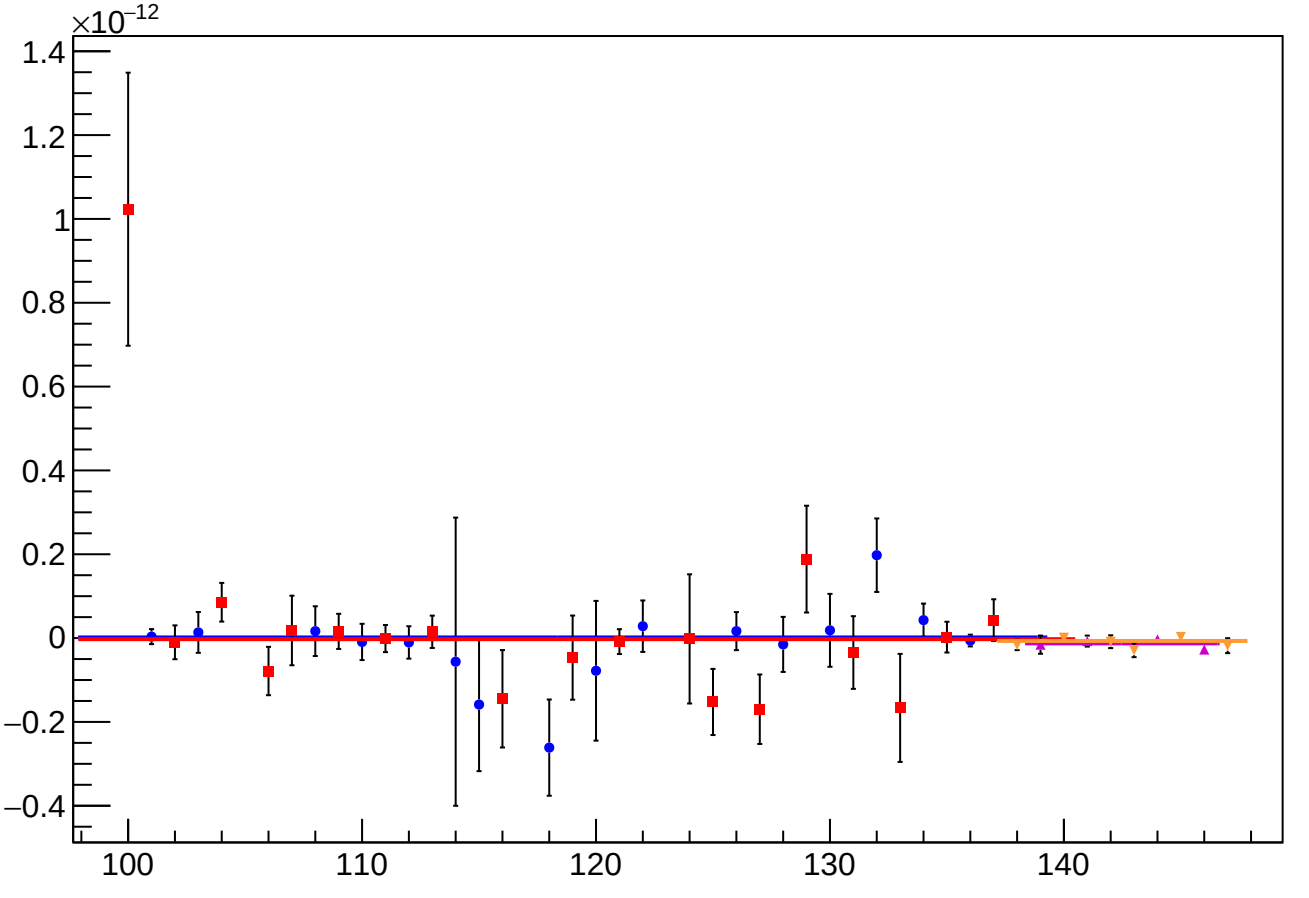
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 331.588+/-0.128 χ^2/NDF:236830.3/3

+ sign 425.080+/-0.092 χ^2/NDF: 1984925.2/21

All: 425.423+/-0.067 χ^2/NDF: 4094958.2/44

- sign 425.796+/-0.096 χ^2/NDF: 2110004.0/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/5

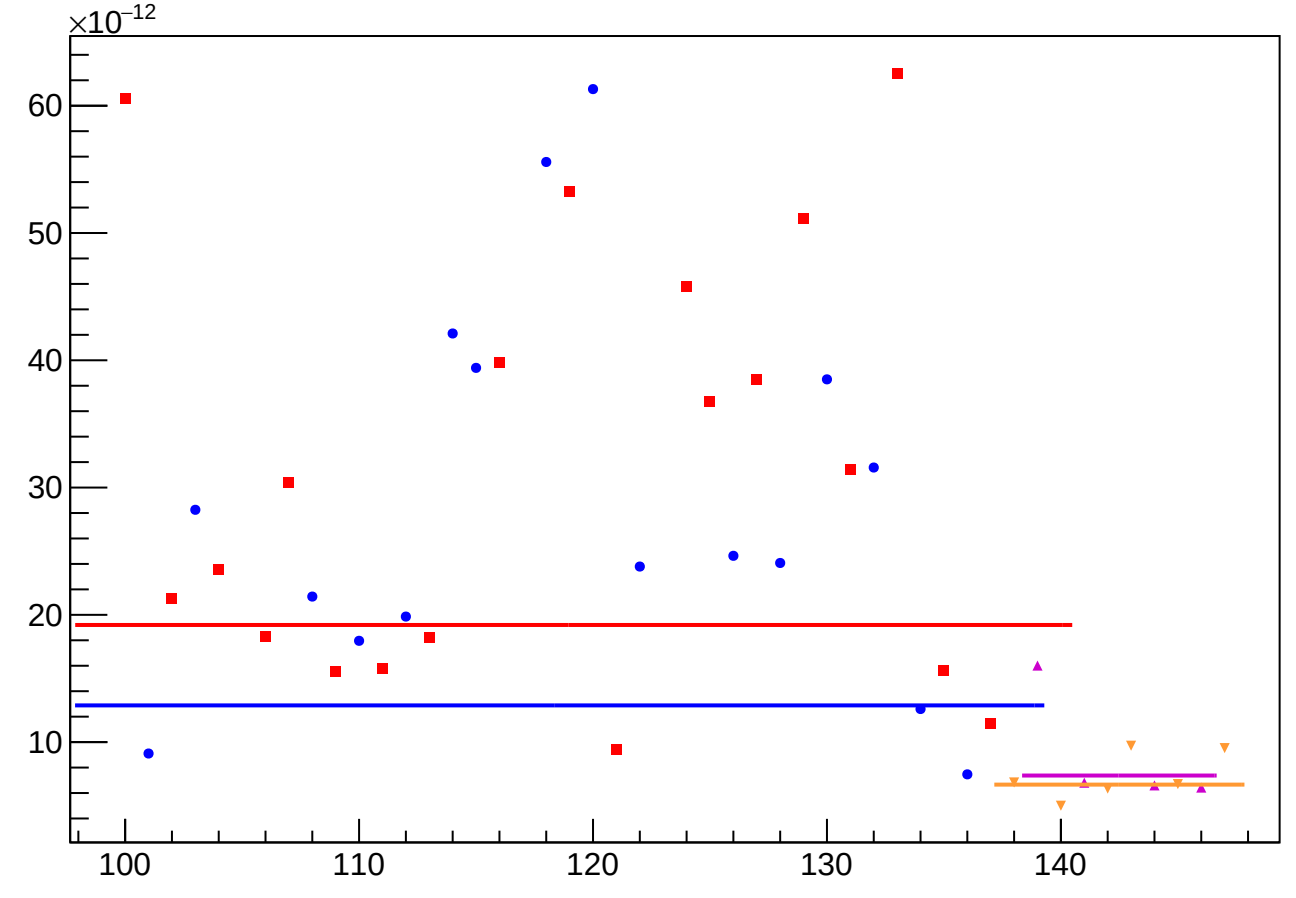
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.6/21

All: -0.000+/-0.000 χ^2/NDF: 52.7/44

- sign -0.000+/-0.000 χ^2/NDF: 33.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:188473.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

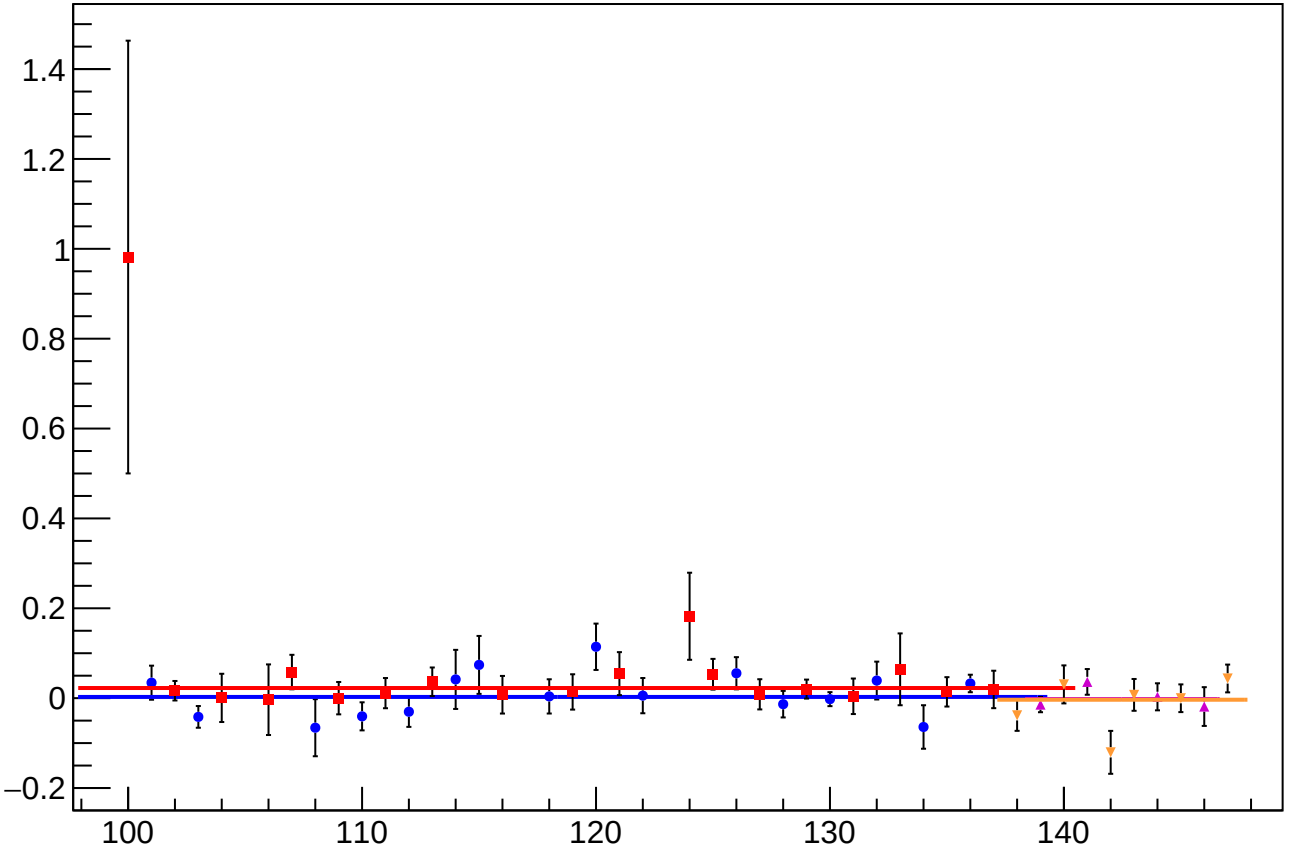
Left In: 0.000+/-0.000 χ^2/NDF:346761.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2665319.3/21

All: 0.000+/-0.000 χ^2/NDF: 6000568.5/44

- sign 0.000+/-0.000 χ^2/NDF: 3217024.7/22

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: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

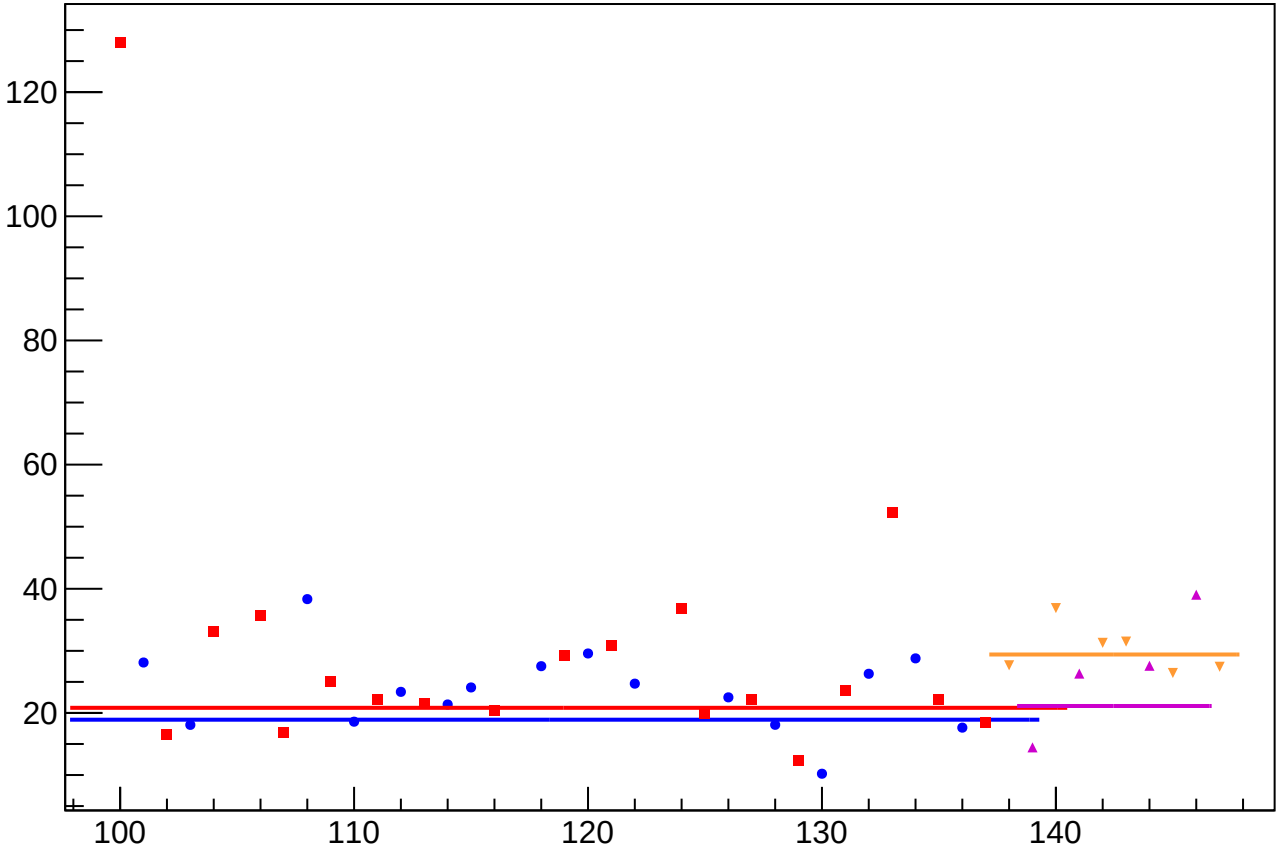
Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.008+/-0.005 χ^2/NDF: 50.0/44

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22

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: 29.414+/-0.010 χ^2/NDF:104294.7/5

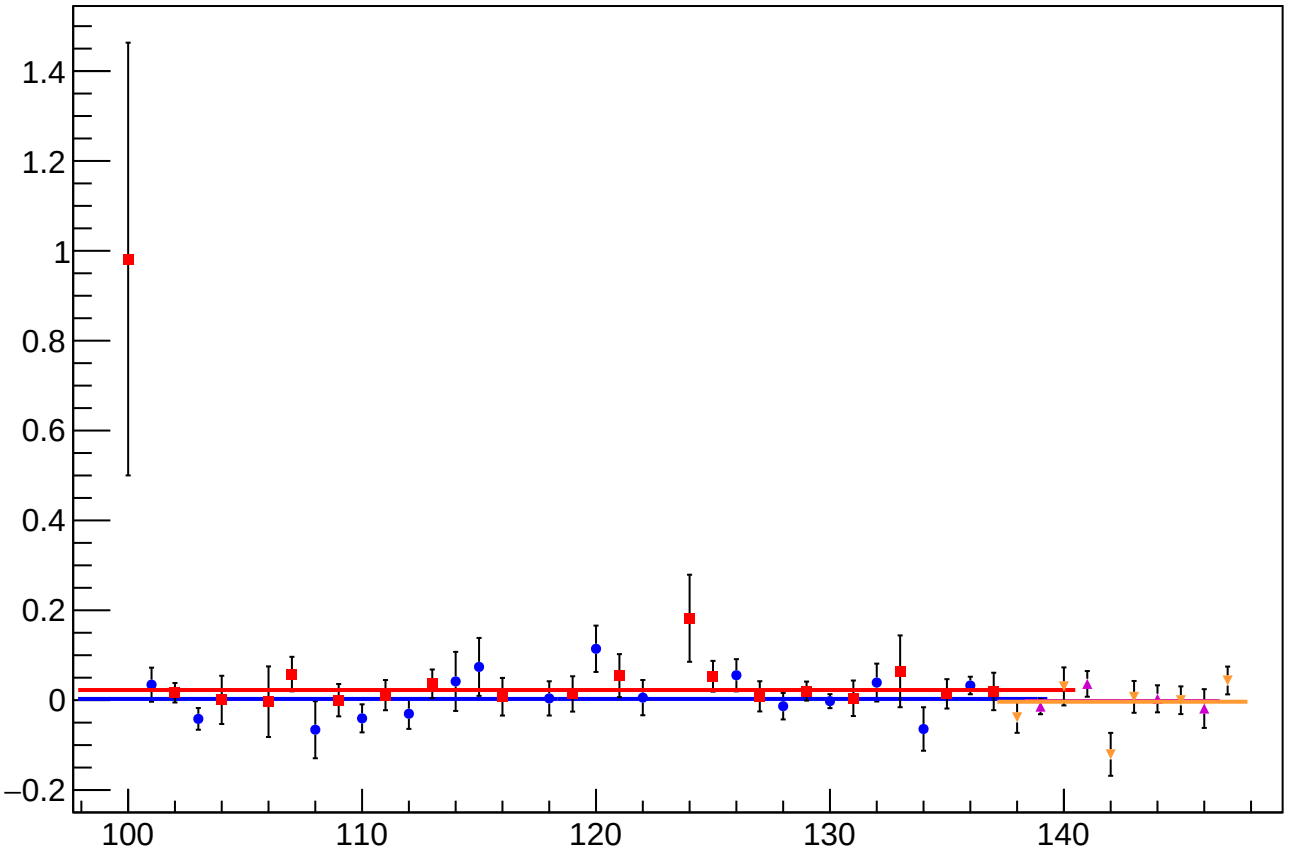
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

+ sign 21.261+/-0.005 χ^2/NDF: 2305112.2/21

All: 21.093+/-0.003 χ^2/NDF: 4413609.8/44

- sign 20.918+/-0.005 χ^2/NDF: 2106046.9/22



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

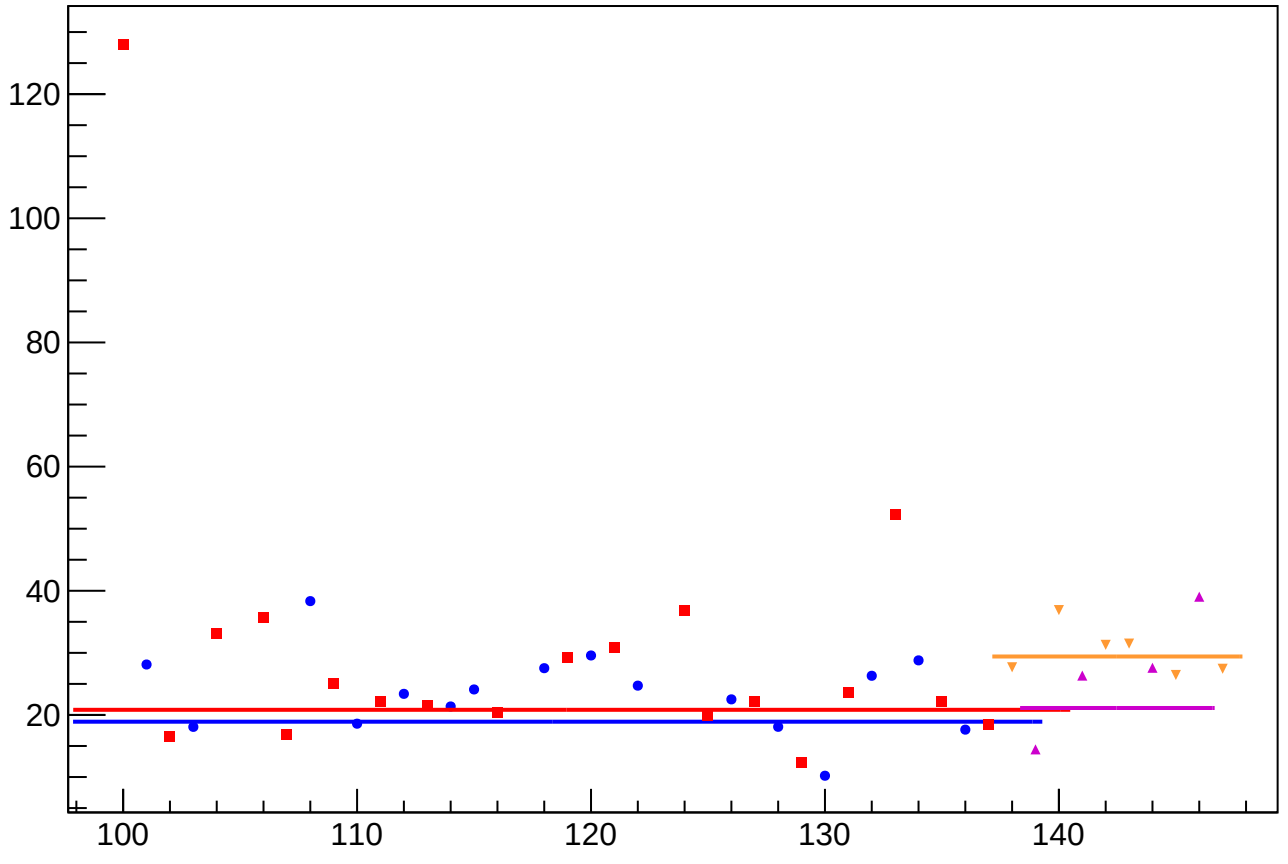
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.008+/-0.005 χ^2/NDF: 50.0/44

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.414+/-0.010 χ^2/NDF:104294.7/5

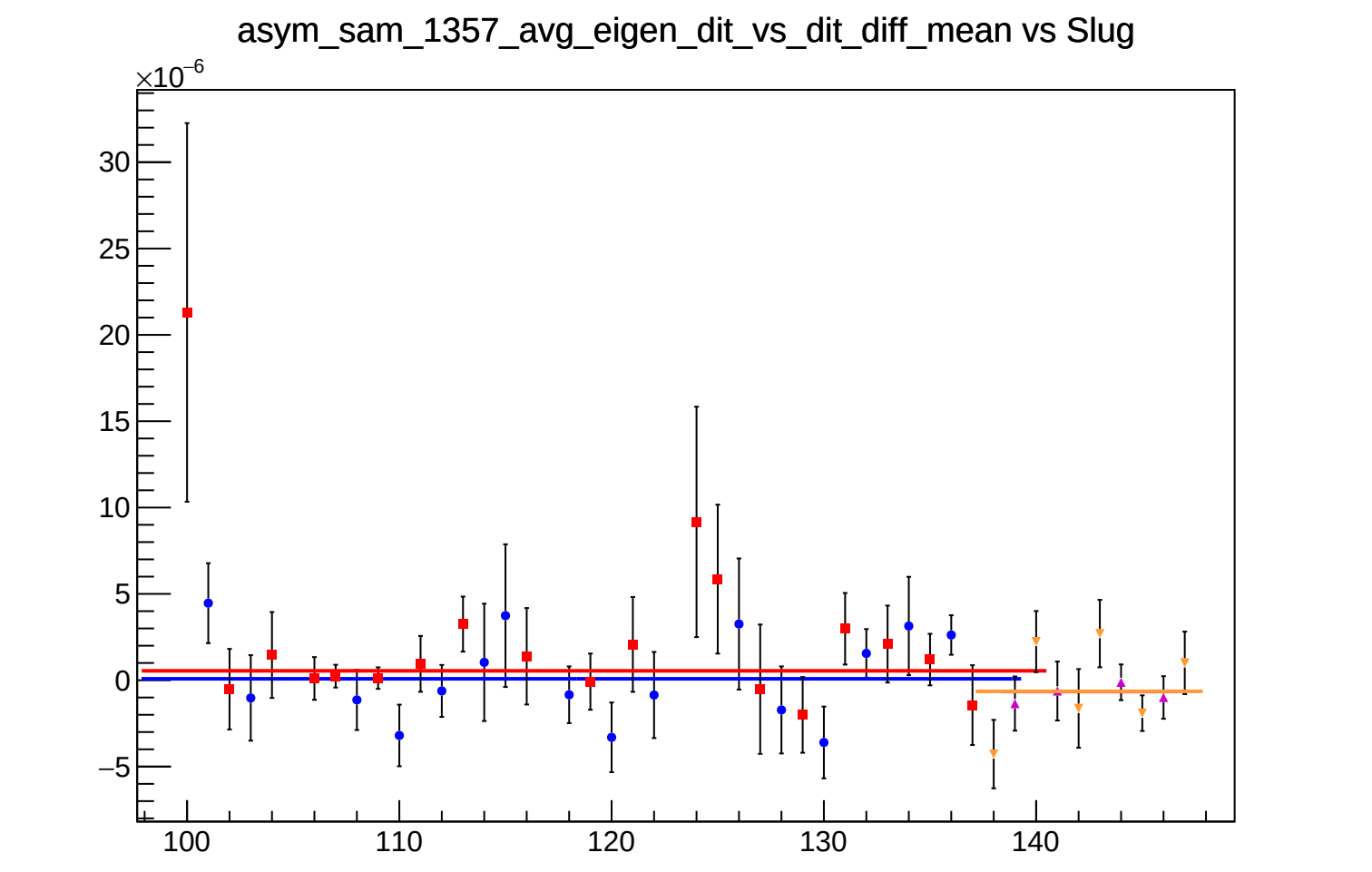
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

+ sign 21.261+/-0.005 χ^2/NDF: 2305112.2/21

All: 21.093+/-0.003 χ^2/NDF: 4413609.8/44

- sign 20.918+/-0.005 χ^2/NDF: 2106046.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/5

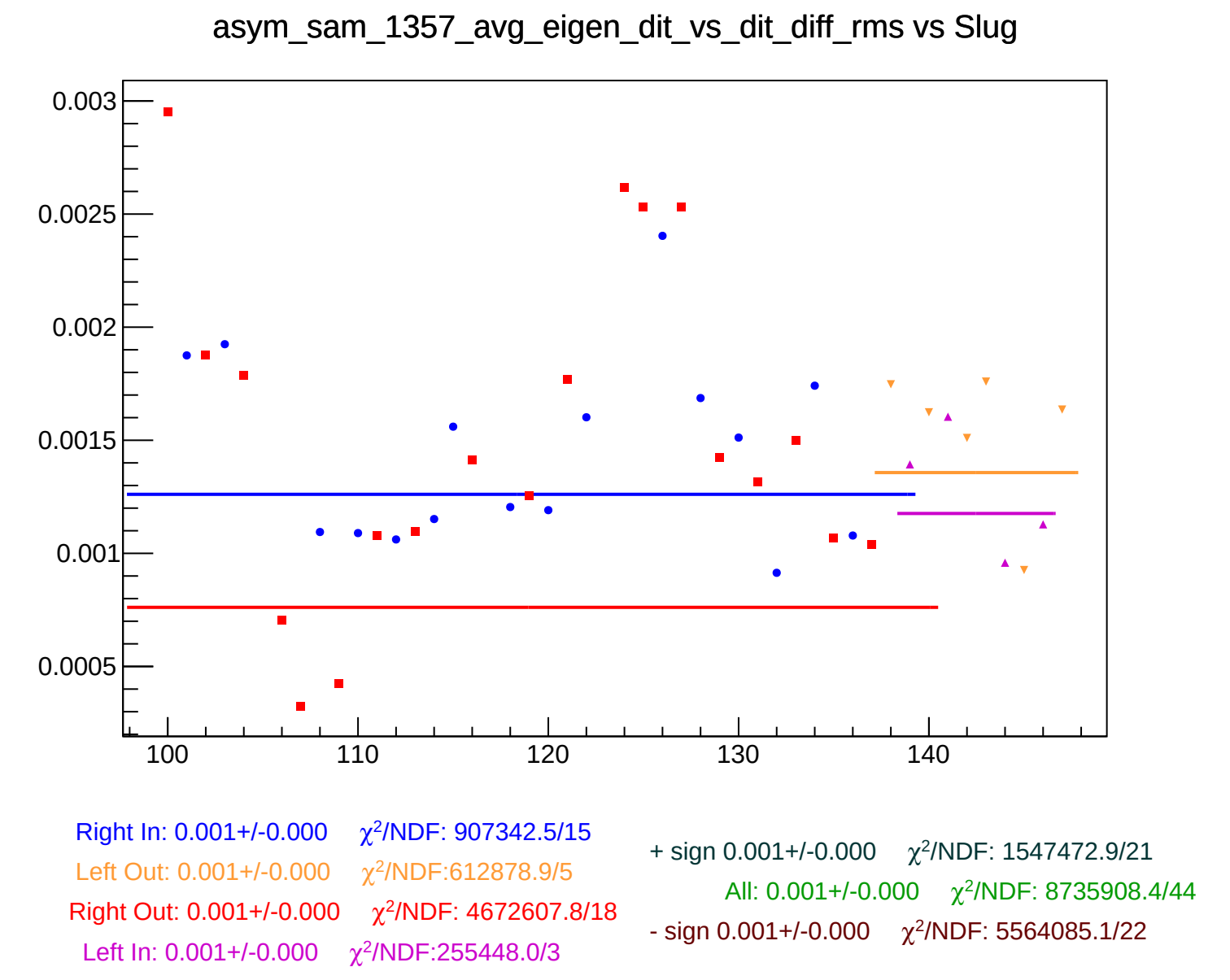
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

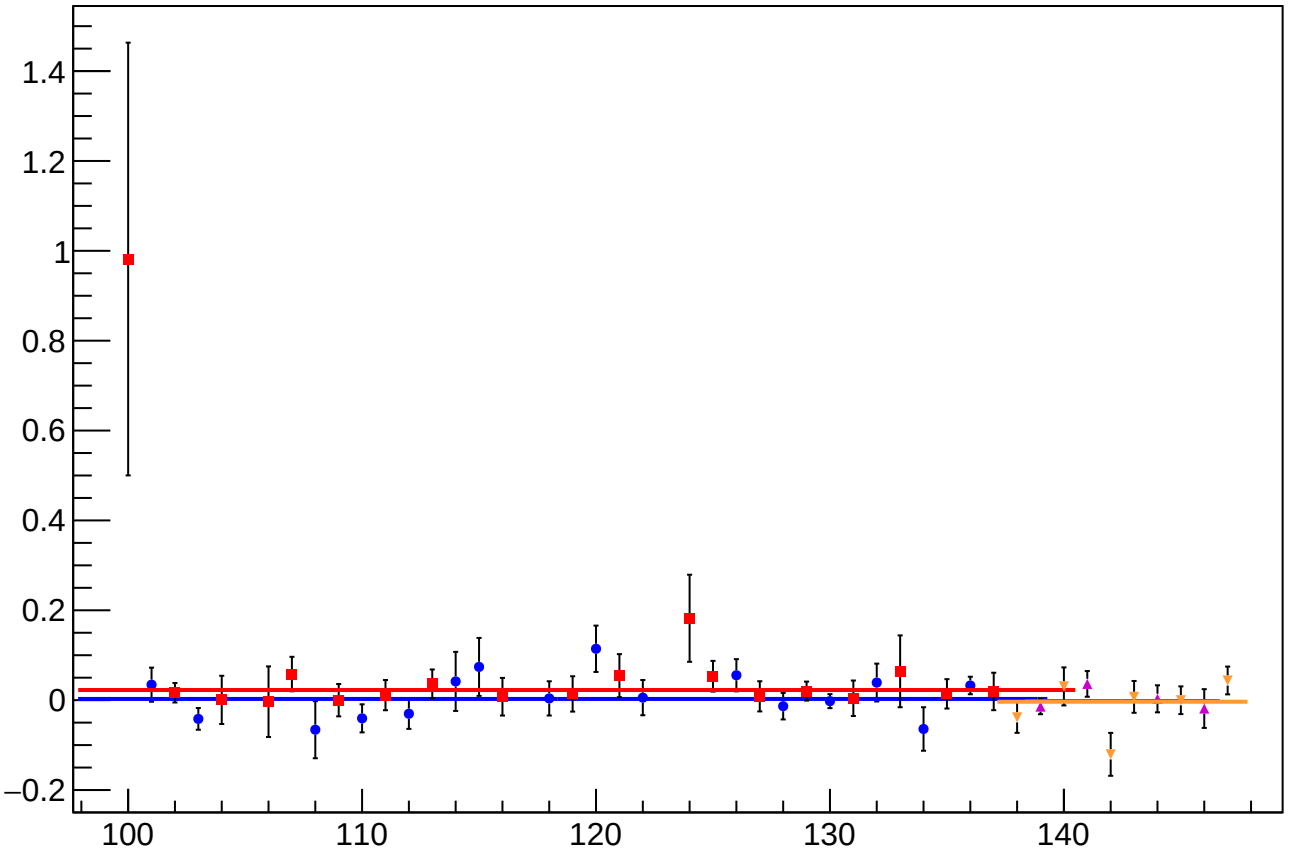
Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/21

All: 0.000+/-0.000 χ^2/NDF: 55.5/44

- sign 0.000+/-0.000 χ^2/NDF: 18.8/22


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
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:612878.9/5
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:255448.0/3
+ sign 0.001+/-0.000 χ²/NDF: 1547472.9/21
All: 0.001+/-0.000 χ²/NDF: 8735908.4/44
- sign 0.001+/-0.000 χ²/NDF: 5564085.1/22



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

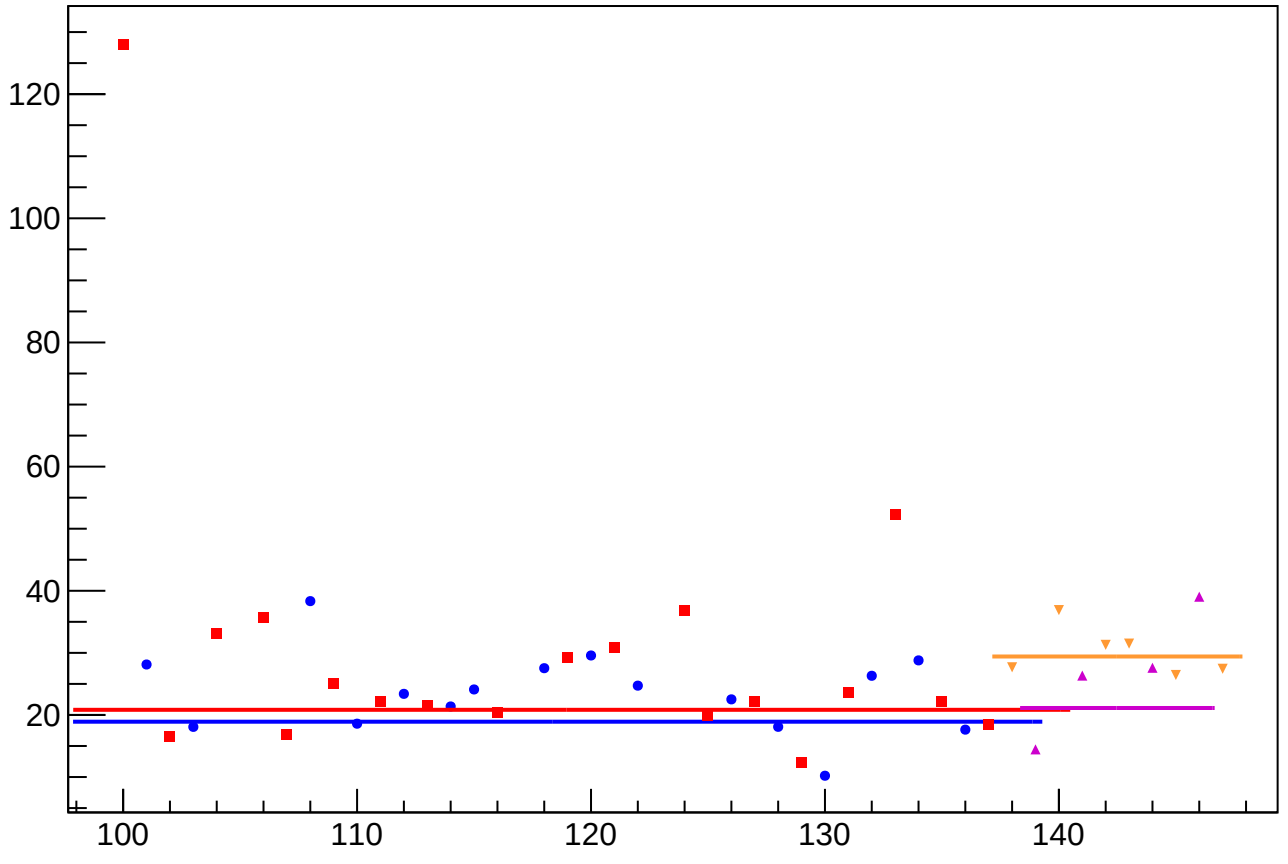
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.008+/-0.005 χ^2/NDF: 50.0/44

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.415+/-0.010 χ^2/NDF:104299.3/5

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

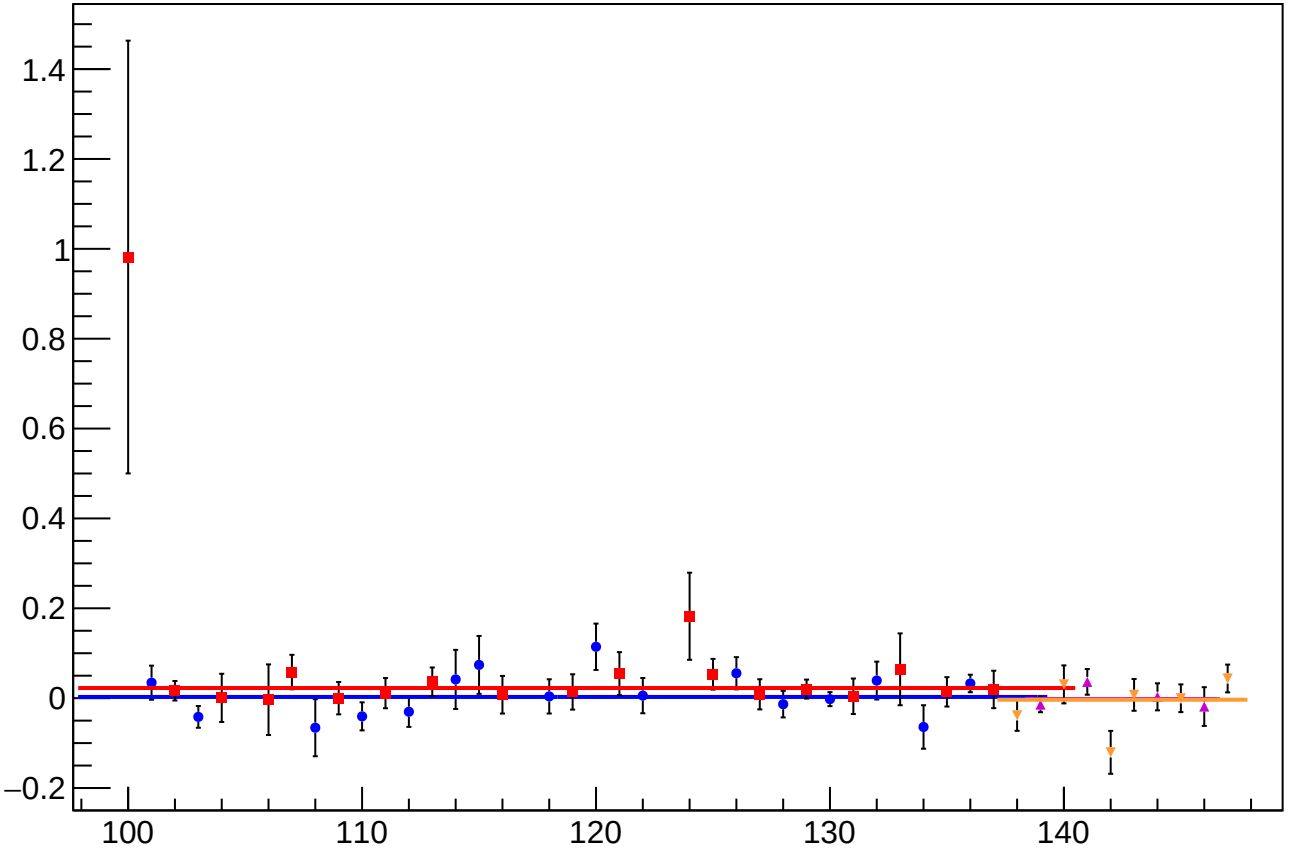
Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

+ sign 21.262+/-0.005 χ^2/NDF: 2304988.1/21

All: 21.093+/-0.003 χ^2/NDF: 4413427.1/44

- sign 20.918+/-0.005 χ^2/NDF: 2105987.6/22

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: -0.003+/-0.015 χ^2/NDF:10.1/5

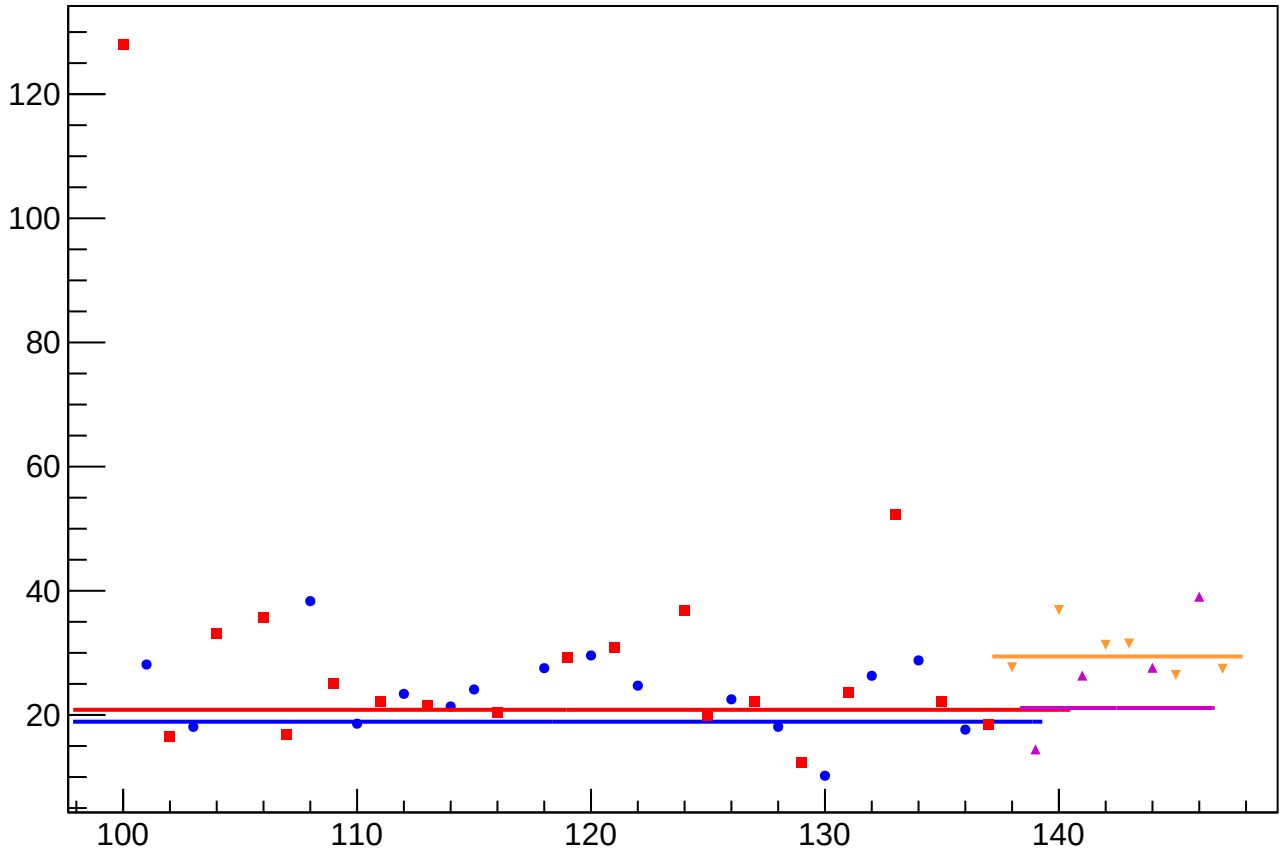
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.008+/-0.005 χ^2/NDF: 50.0/44

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.415+/-0.010 χ^2/NDF:104299.3/5

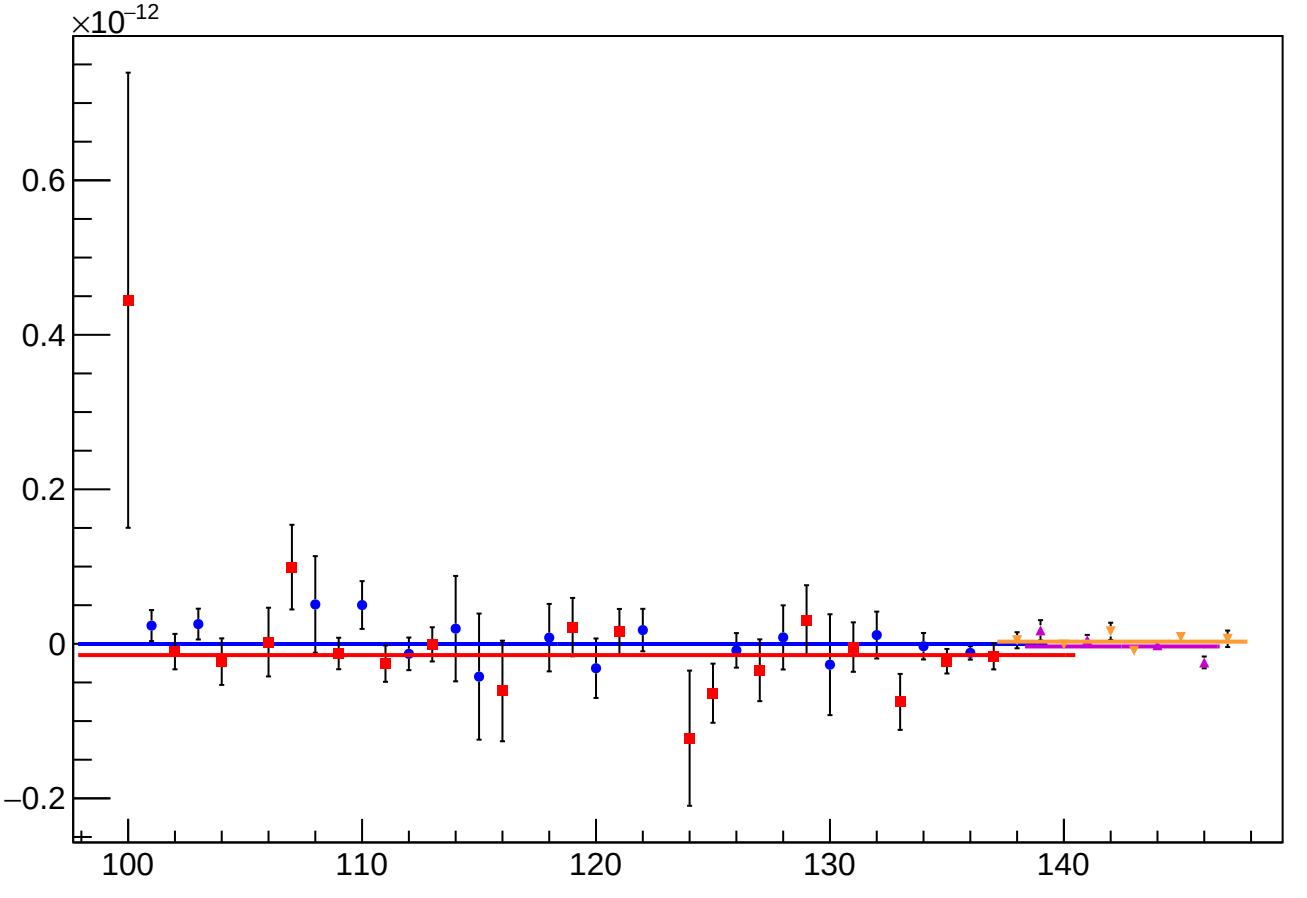
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

+ sign 21.262+/-0.005 χ^2/NDF: 2304988.1/21

All: 21.093+/-0.003 χ^2/NDF: 4413427.1/44

- sign 20.918+/-0.005 χ^2/NDF: 2105987.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/5

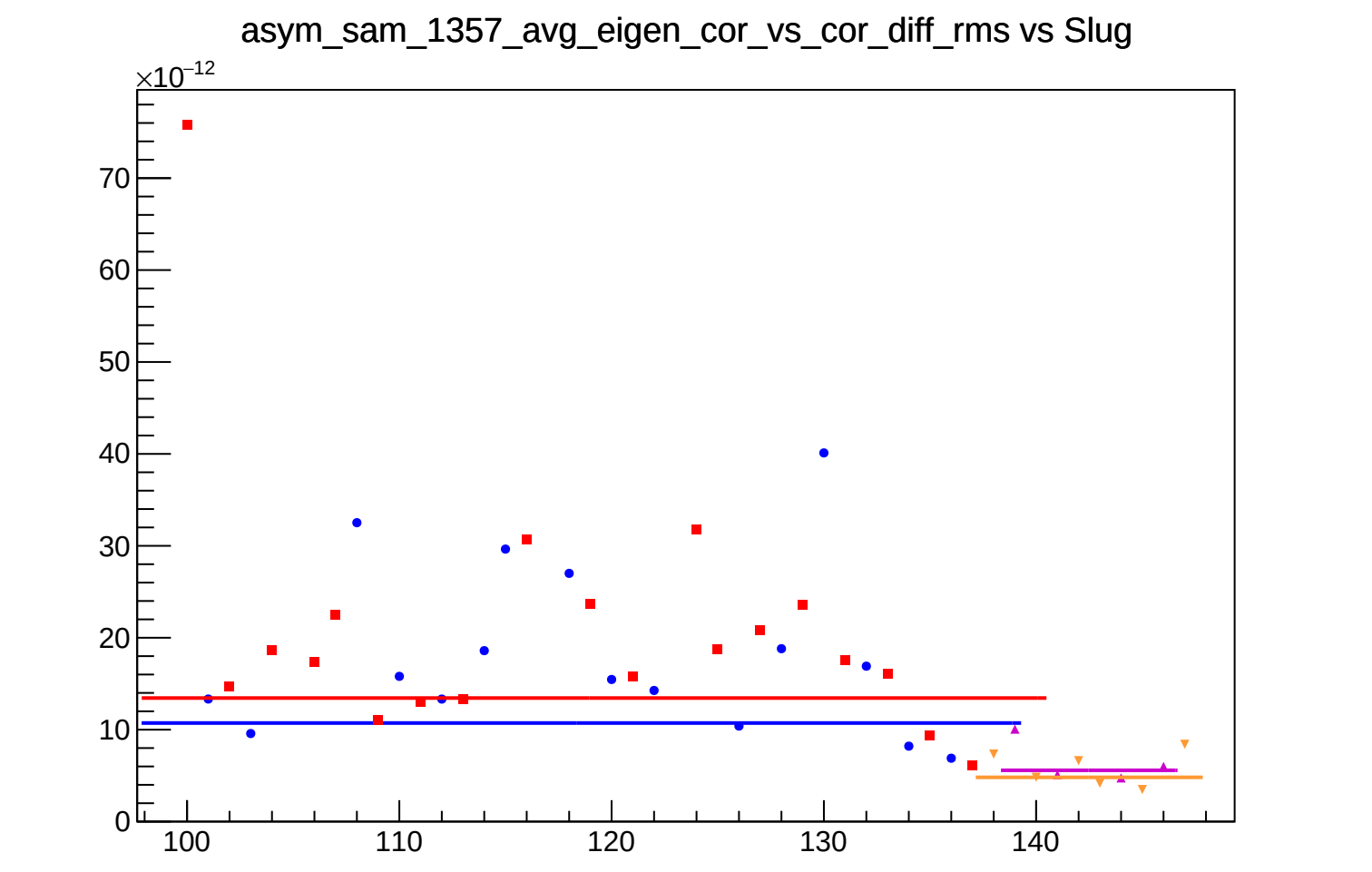
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/21

All: -0.000+/-0.000 χ^2/NDF: 52.9/44

- sign -0.000+/-0.000 χ^2/NDF: 31.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:560029.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

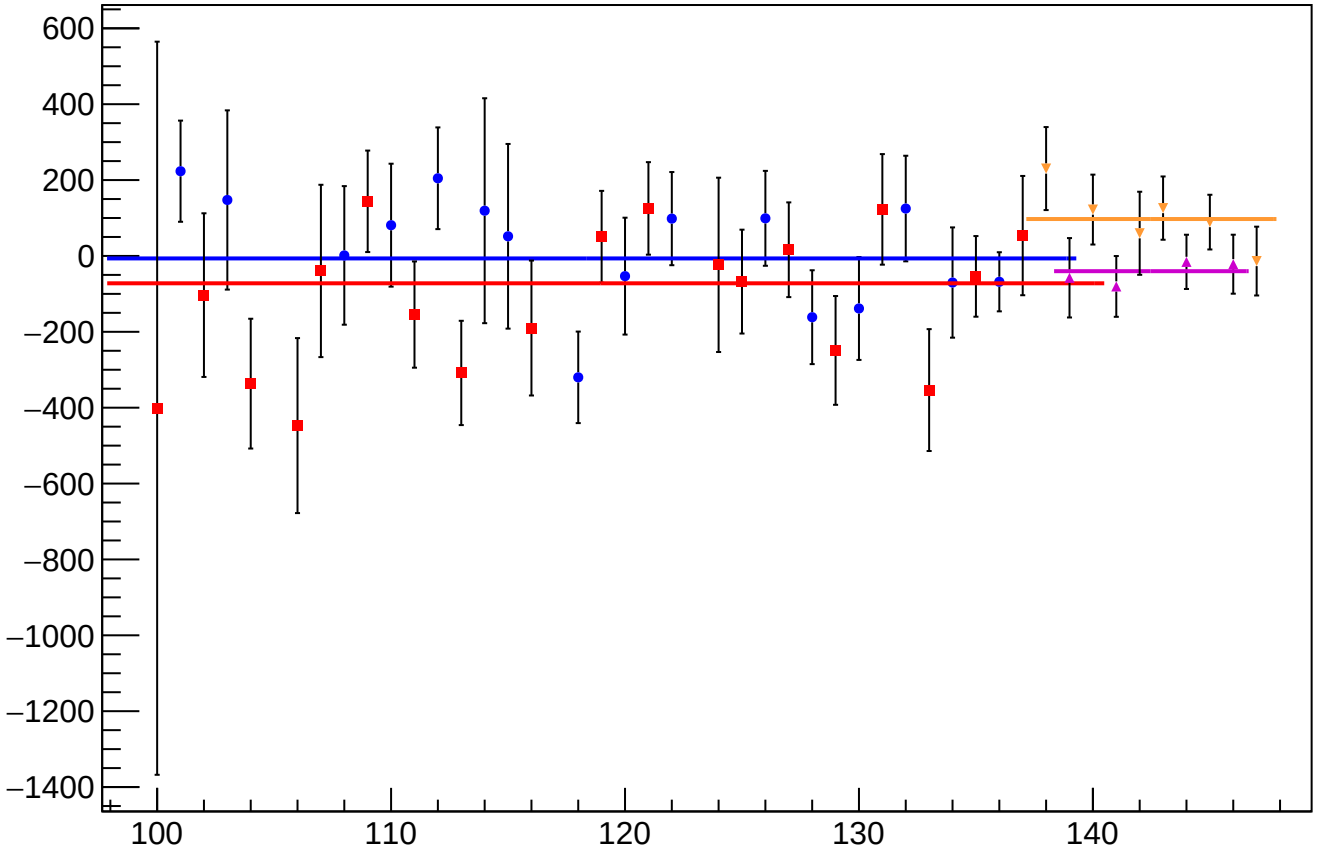
Left In: 0.000+/-0.000 χ^2/NDF:286403.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 4148281.8/21

All: 0.000+/-0.000 χ^2/NDF: 8262402.8/44

- sign 0.000+/-0.000 χ^2/NDF: 3875883.9/22

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.309+/-36.699 χ^2/NDF:3.3/5

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

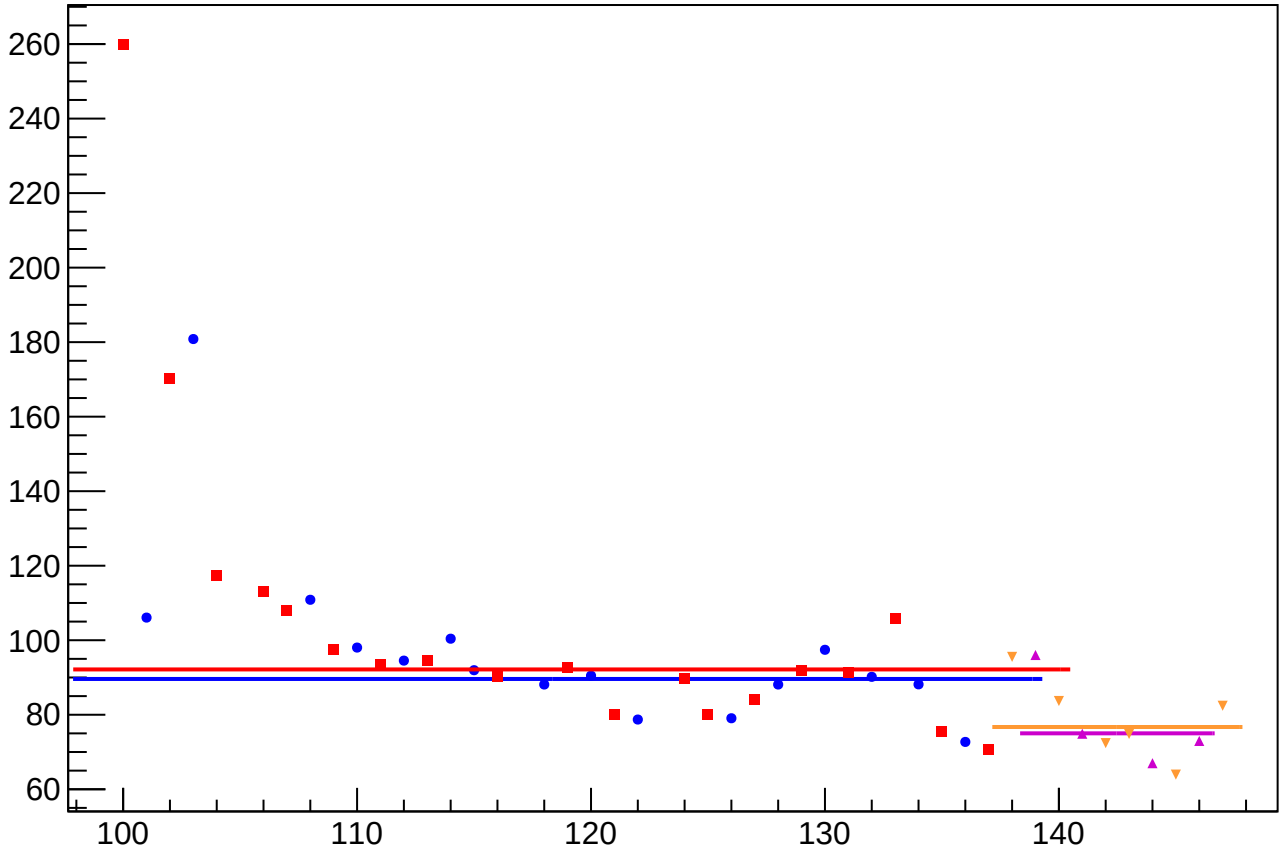
Left In: -40.170+/-40.547 χ^2/NDF:0.5/3

+ sign 41.849+/-25.053 χ^2/NDF: 26.5/21

All: -5.634+/-18.187 χ^2/NDF: 57.7/44

- sign -58.533+/-26.444 χ^2/NDF: 23.6/22

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

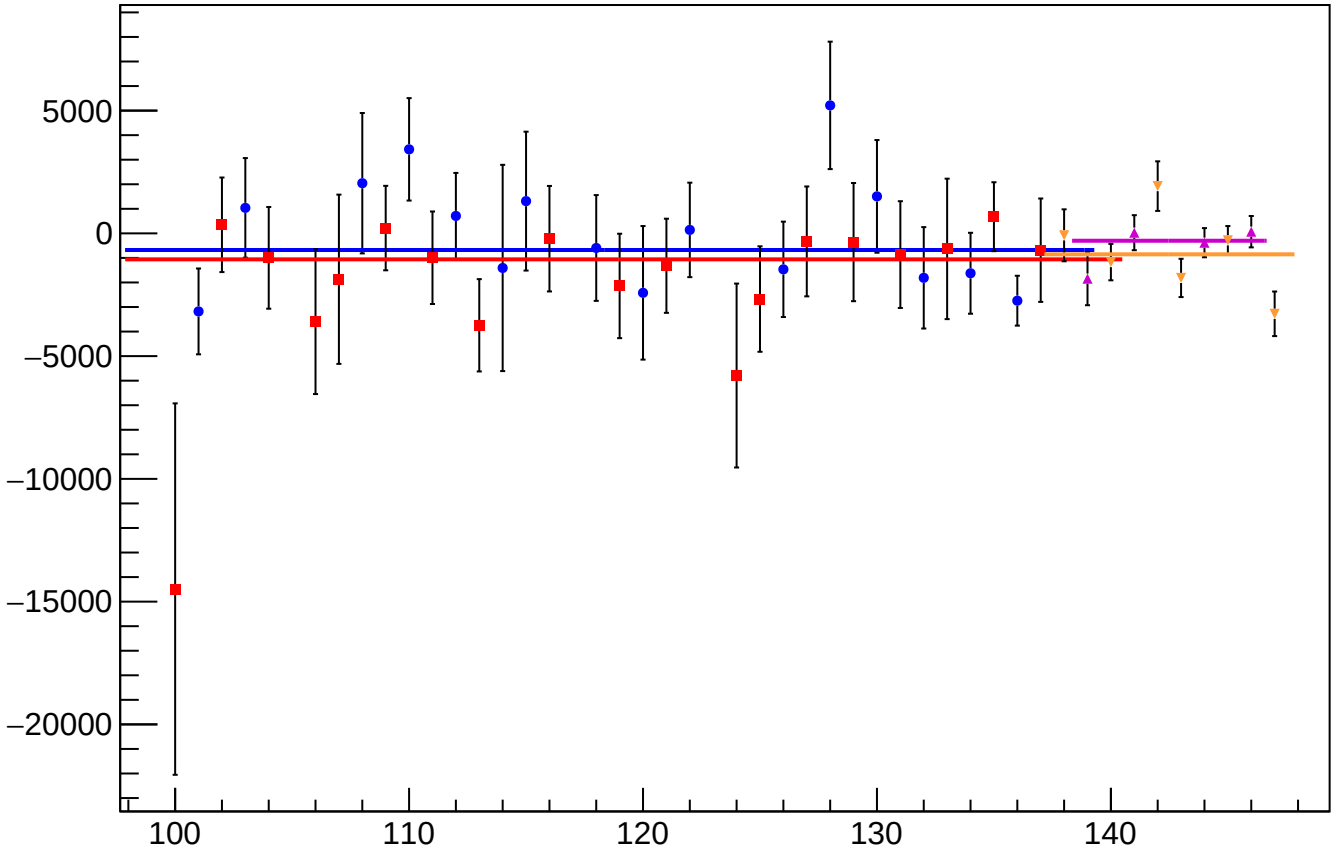
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.595+/-0.018 χ^2/NDF: 775679.8/21

All: 84.196+/-0.013 χ^2/NDF: 1633077.2/44

- sign 84.866+/-0.019 χ^2/NDF: 854961.2/22



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -853.700+/-324.403 χ^2/NDF:17.9/5

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

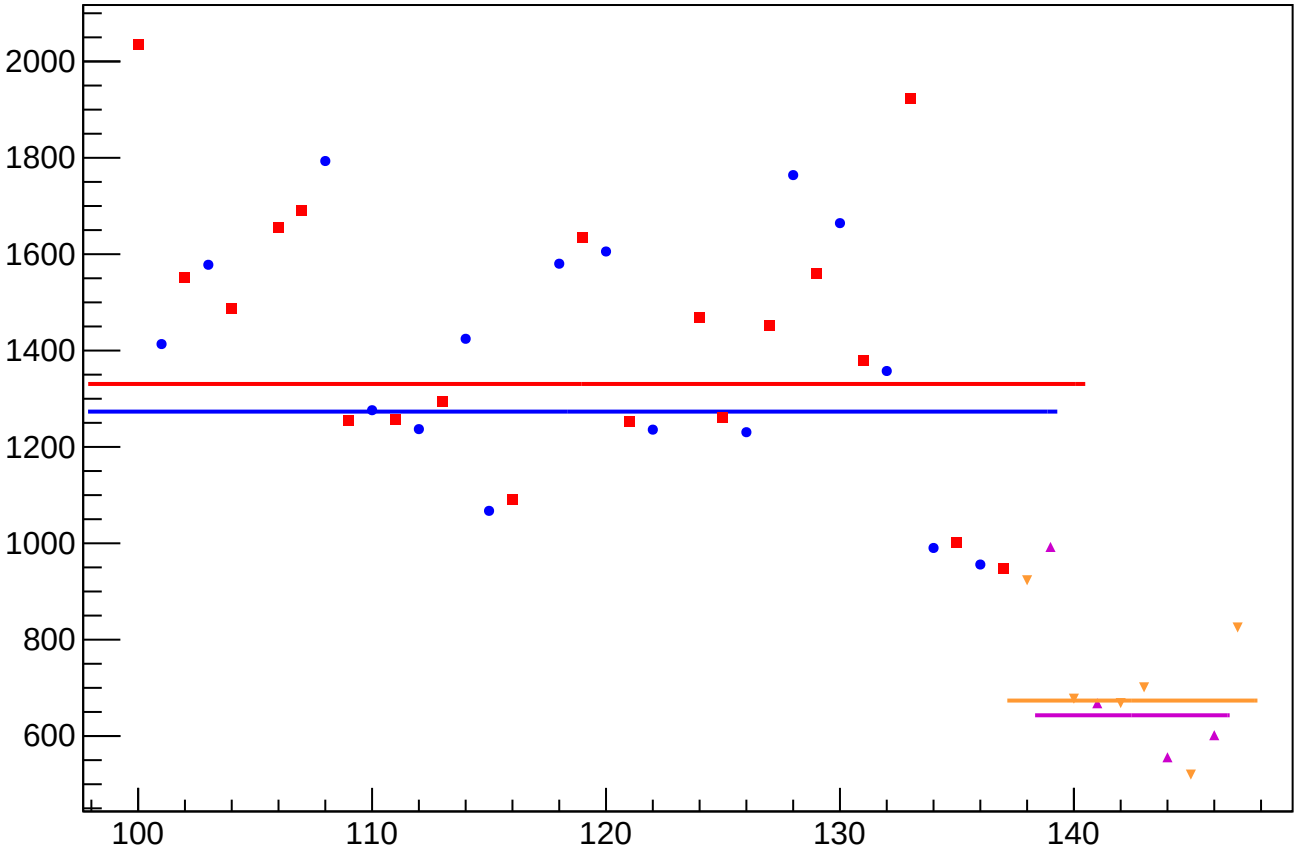
Left In: -300.248+/-351.346 χ^2/NDF:2.6/3

+ sign -799.429+/-269.898 χ^2/NDF: 38.2/21

All: -683.885+/-196.541 χ^2/NDF: 54.2/44

- sign -553.444+/-286.771 χ^2/NDF: 15.6/22

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 673.642+/-0.229 χ^2/NDF:309115.3/5

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

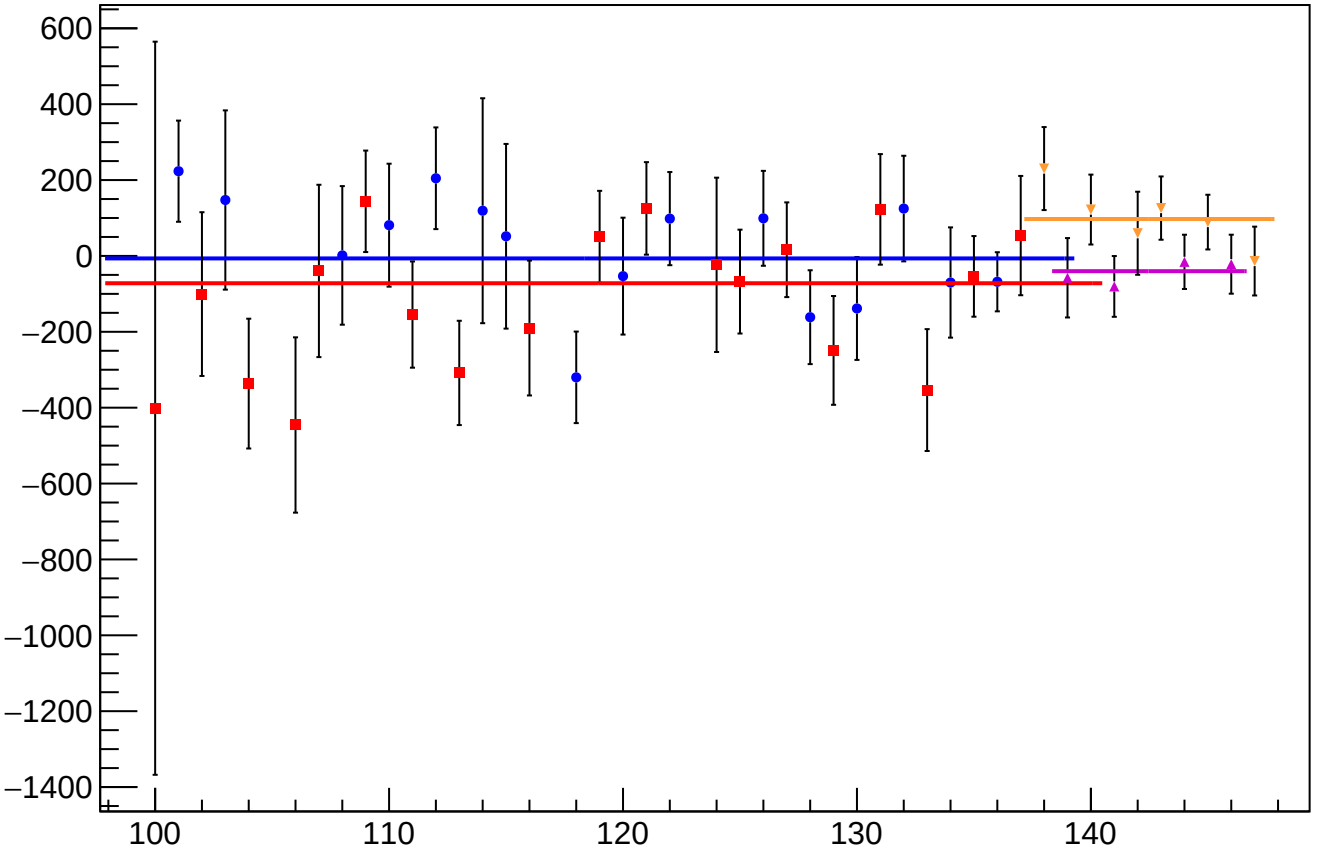
Left In: 643.087+/-0.248 χ^2/NDF:262601.4/3

+ sign 858.225+/-0.191 χ^2/NDF: 3010287.1/21

All: 864.982+/-0.139 χ^2/NDF: 6303208.3/44

- sign 872.611+/-0.203 χ^2/NDF: 3290252.3/22

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

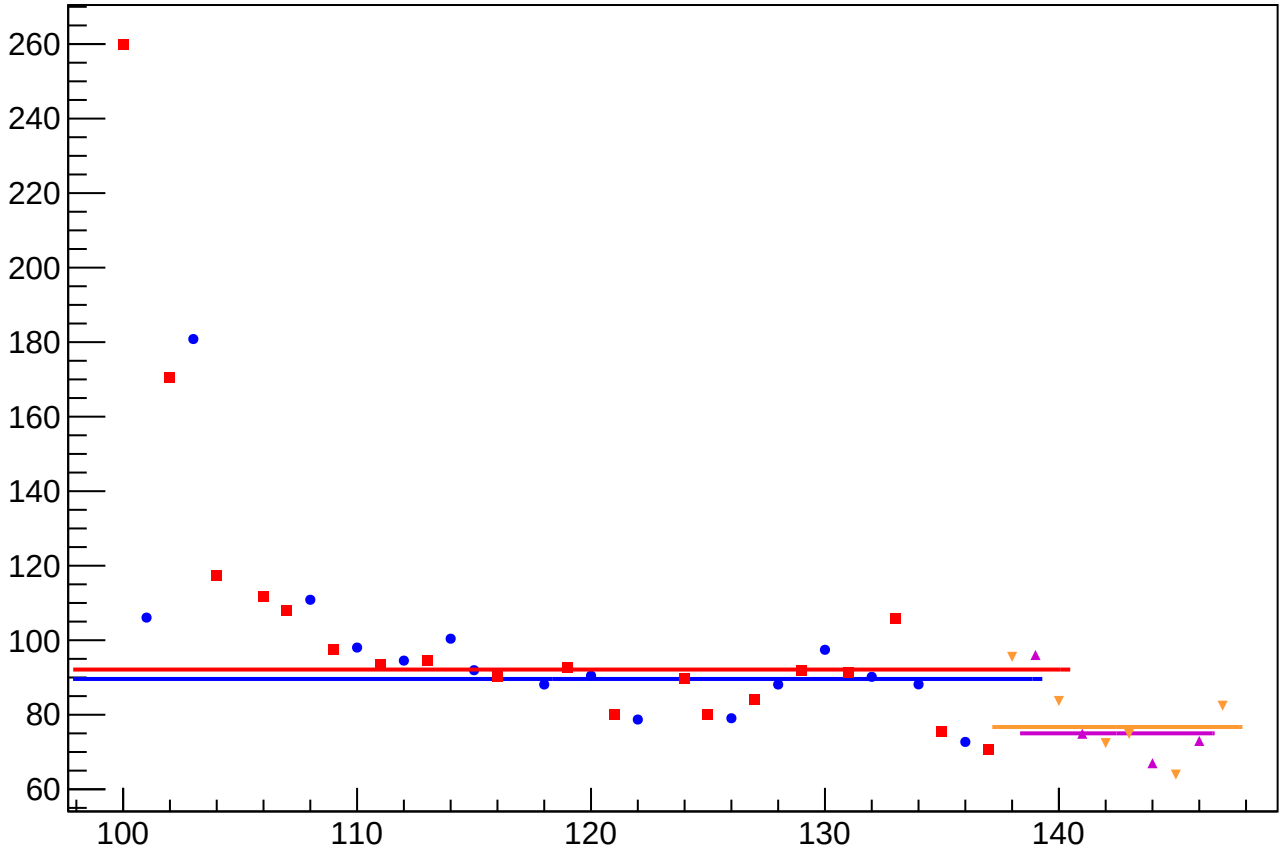
Left In: -40.179+/-40.547 χ^2/NDF:0.5/3

+ sign 41.851+/-25.053 χ^2/NDF: 26.5/21

All: -5.594+/-18.187 χ^2/NDF: 57.6/44

- sign -58.454+/-26.445 χ^2/NDF: 23.6/22

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

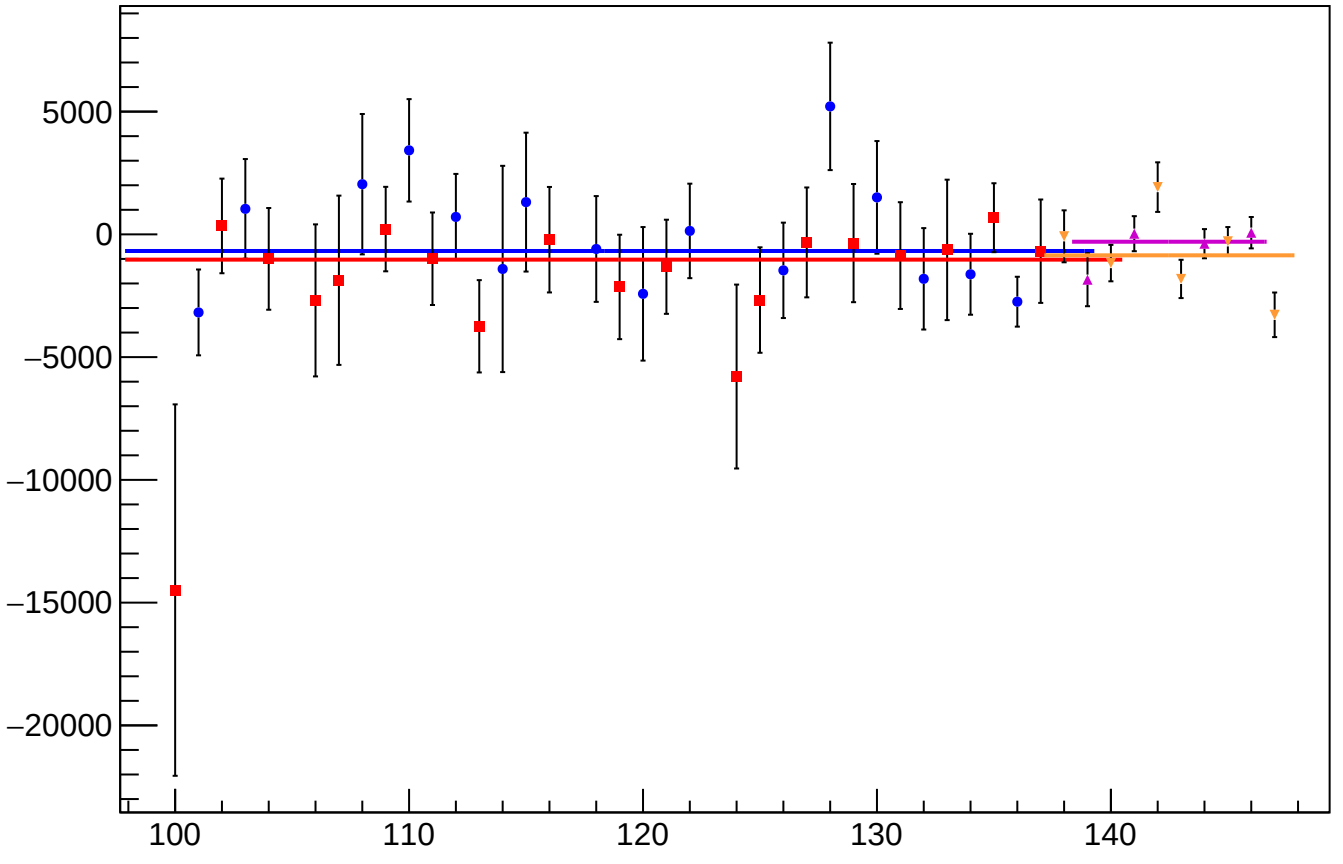
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.595+/-0.018 χ^2/NDF: 775683.4/21

All: 84.187+/-0.013 χ^2/NDF: 1630472.4/44

- sign 84.848+/-0.019 χ^2/NDF: 852424.1/22



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

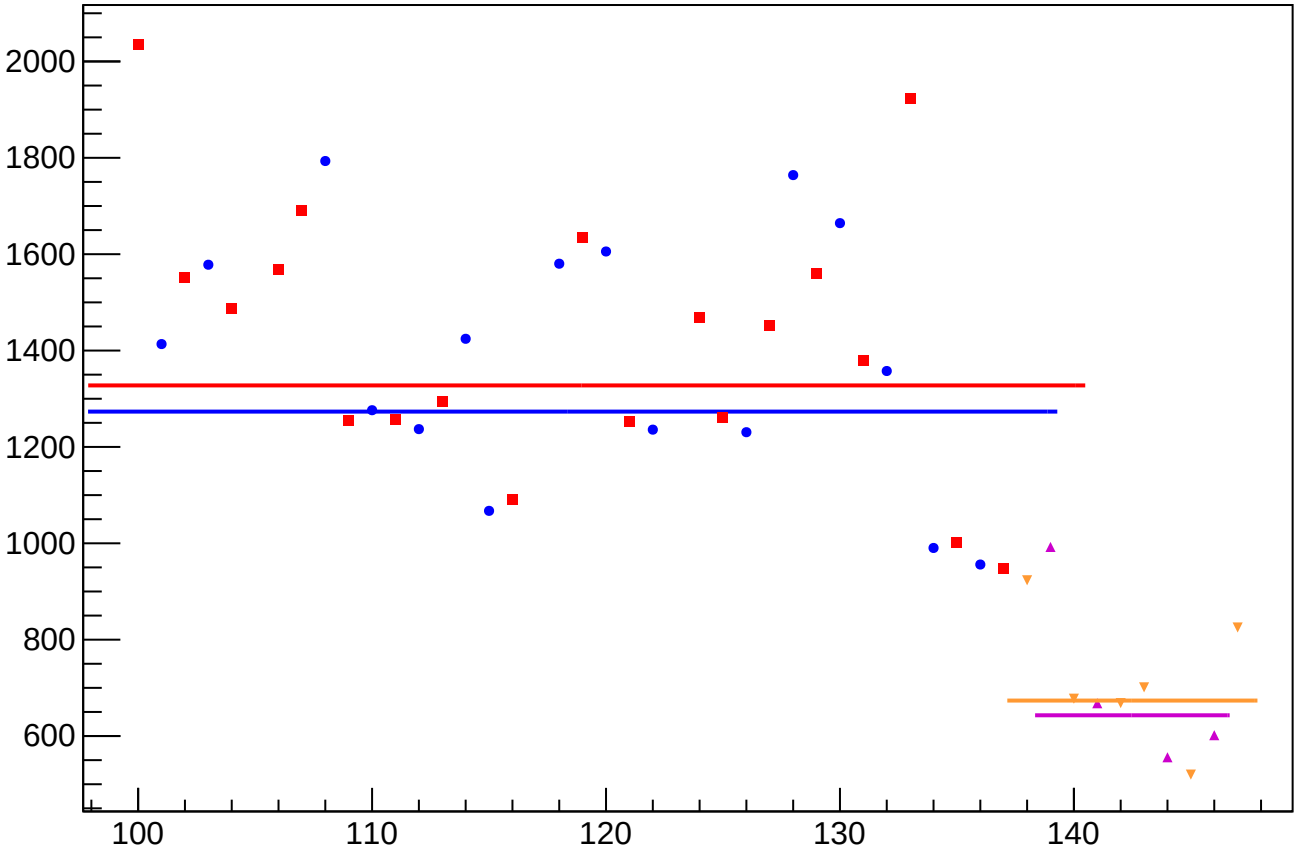
Left In: -300.255+/-351.346 χ^2/NDF:2.6/3

+ sign -799.408+/-269.899 χ^2/NDF: 38.2/21

All: -679.125+/-196.583 χ^2/NDF: 53.7/44

- sign -543.210+/-286.900 χ^2/NDF: 15.0/22

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

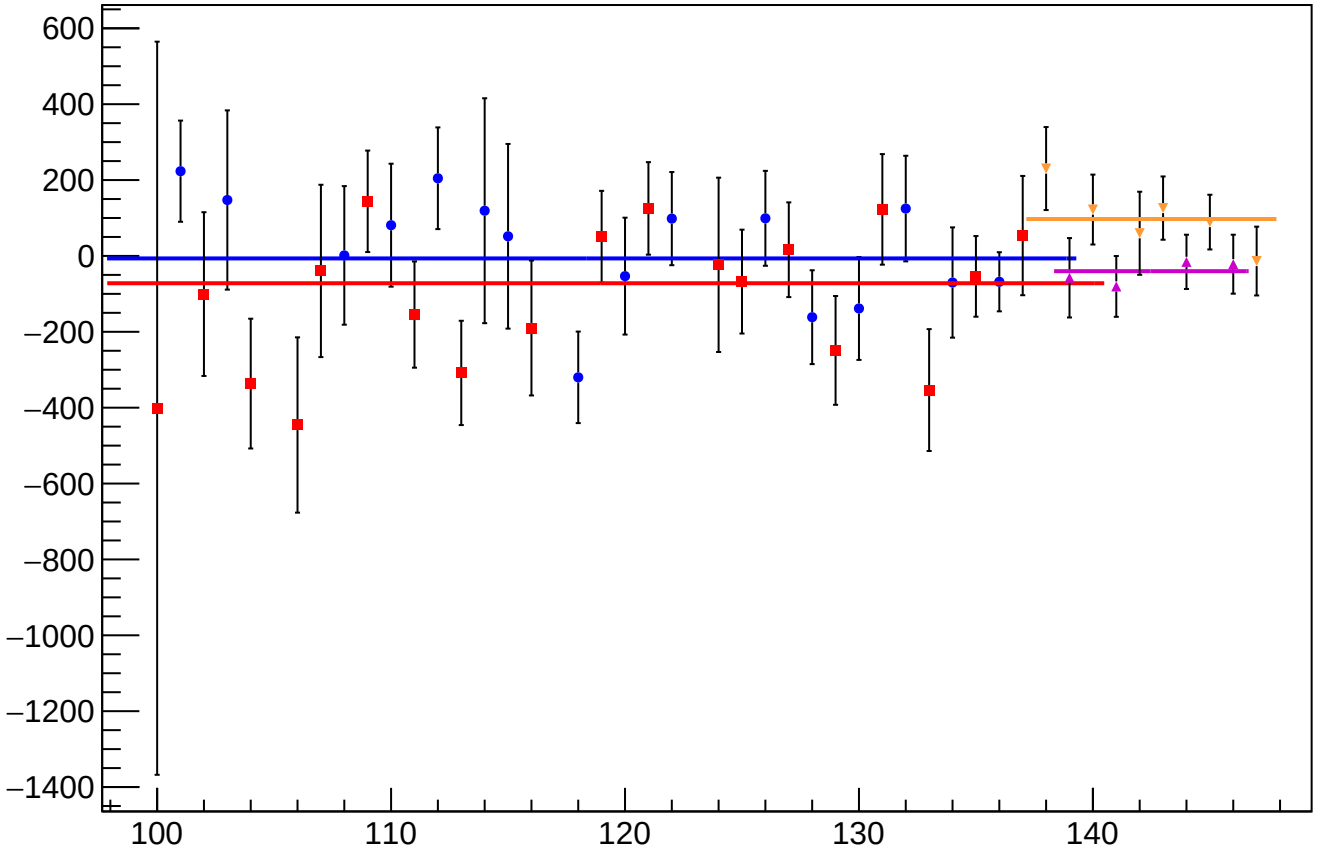
Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

+ sign 858.224+/-0.191 χ^2/NDF: 3010332.4/21

All: 864.313+/-0.139 χ^2/NDF: 6263559.2/44

- sign 871.193+/-0.203 χ^2/NDF: 3251058.9/22

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

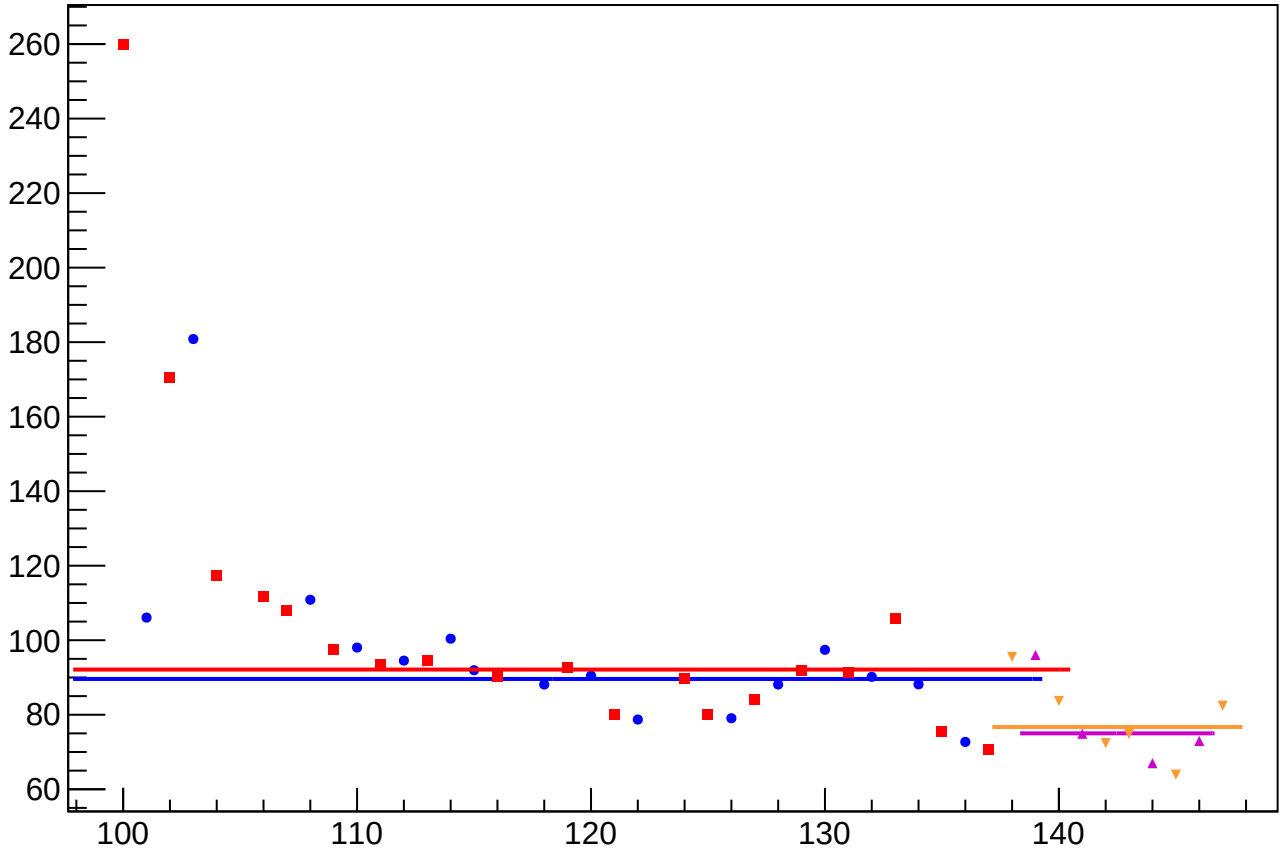
Left In: -40.179+/-40.547 χ^2/NDF:0.5/3

+ sign 41.851+/-25.053 χ^2/NDF: 26.5/21

All: -5.594+/-18.187 χ^2/NDF: 57.6/44

- sign -58.454+/-26.445 χ^2/NDF: 23.6/22

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

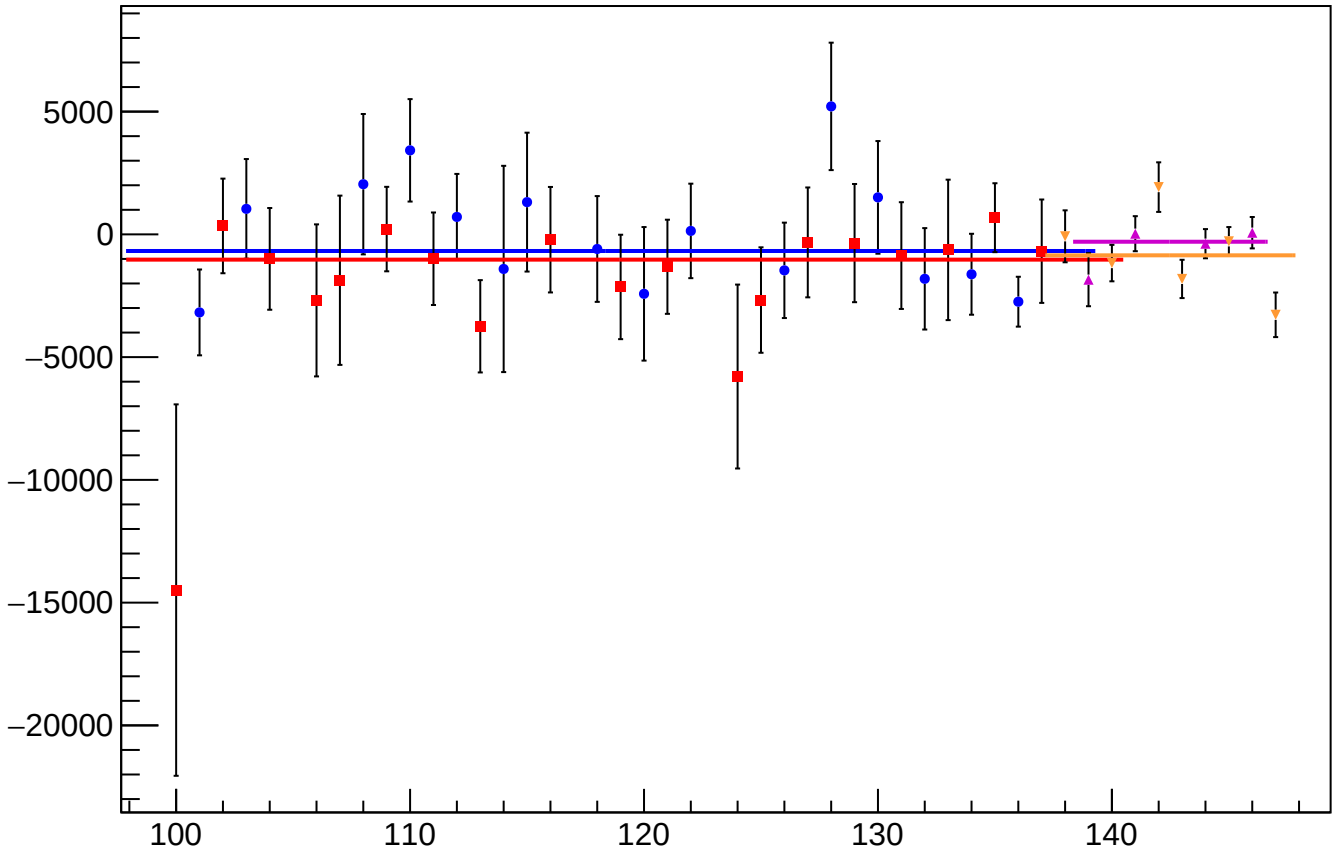
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.595+/-0.018 χ^2/NDF: 775683.4/21

All: 84.187+/-0.013 χ^2/NDF: 1630472.4/44

- sign 84.848+/-0.019 χ^2/NDF: 852424.1/22



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

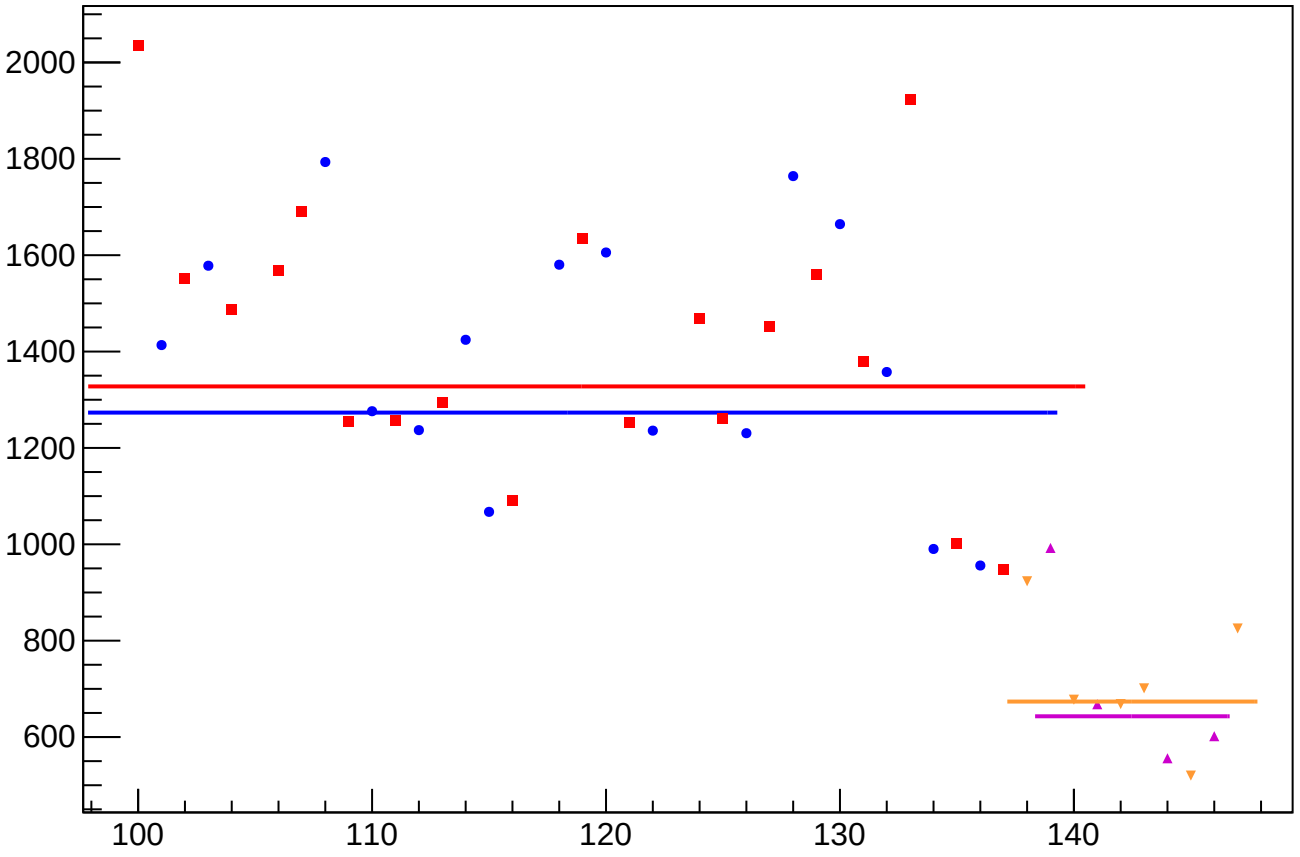
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -300.255+/-351.346 χ^2/NDF:2.6/3

+ sign -799.408+/-269.899 χ^2/NDF: 38.2/21

All: -679.125+/-196.583 χ^2/NDF: 53.7/44

- sign -543.210+/-286.900 χ^2/NDF: 15.0/22



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

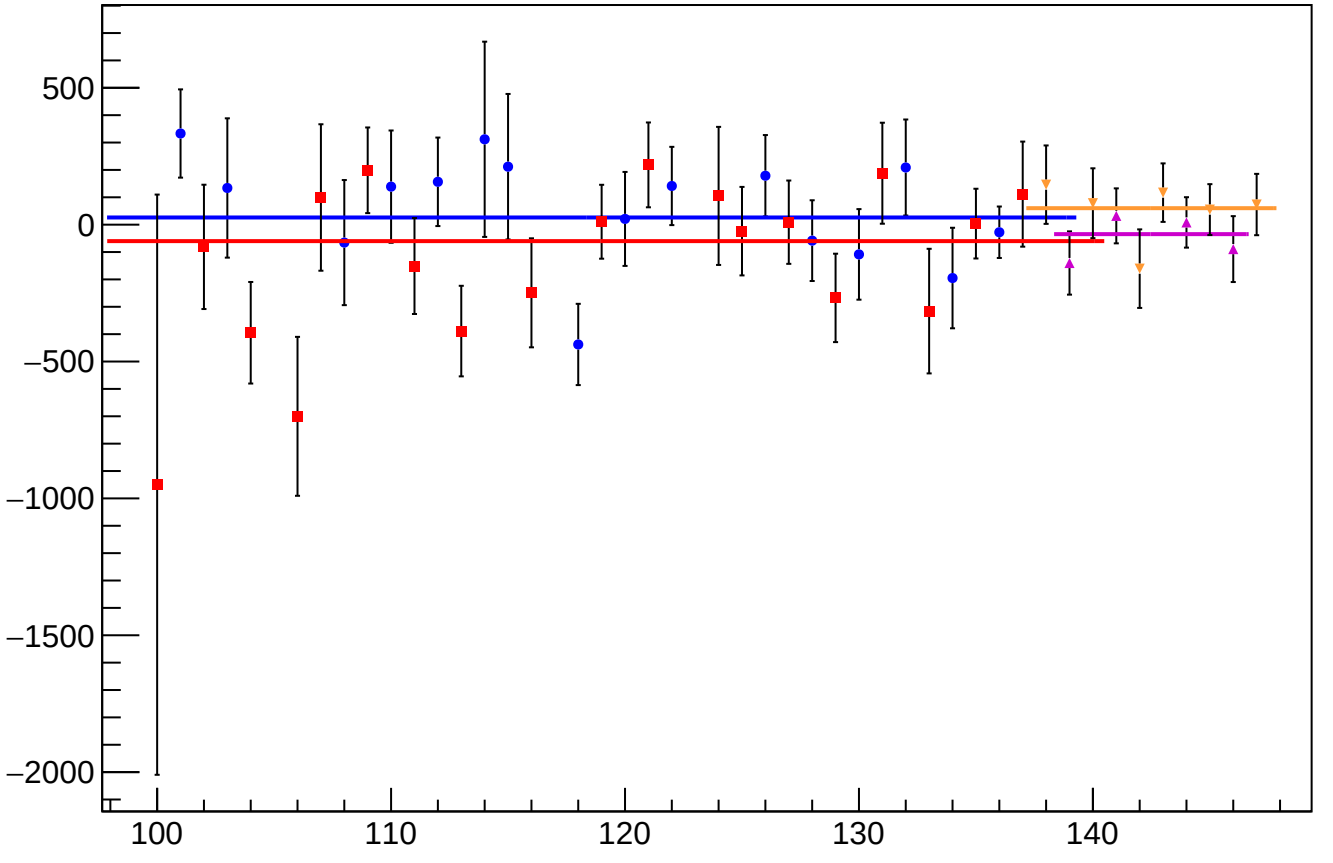
Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

+ sign 858.224+/-0.191 χ^2/NDF: 3010332.4/21

All: 864.313+/-0.139 χ^2/NDF: 6263559.2/44

- sign 871.193+/-0.203 χ^2/NDF: 3251058.9/22

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 60.223+/-47.582 χ^2/NDF:3.1/5

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

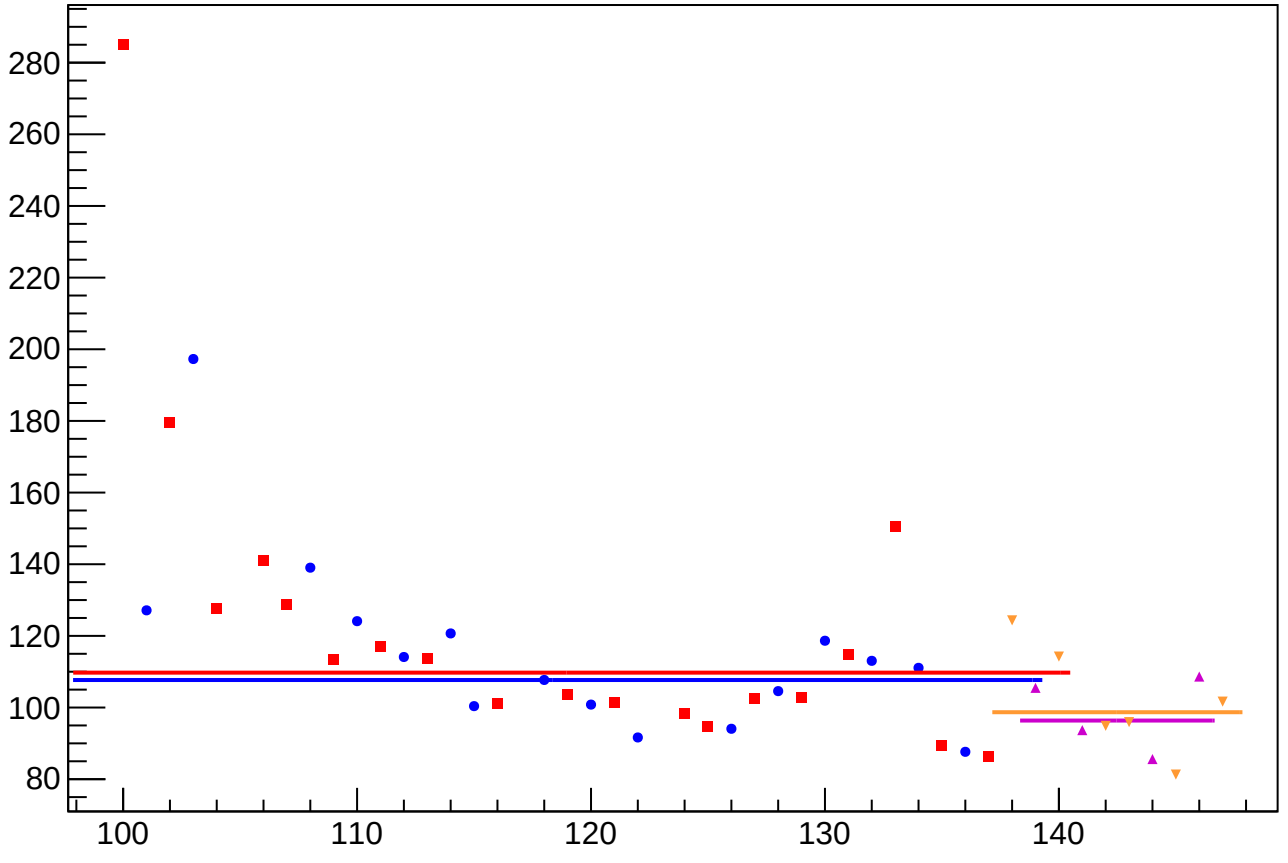
Left In: -34.600+/-52.636 χ^2/NDF:1.7/3

+ sign 40.816+/-31.155 χ^2/NDF: 24.7/21

All: -2.688+/-22.524 χ^2/NDF: 57.6/44

- sign -50.329+/-32.603 χ^2/NDF: 28.8/22

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 98.694+/-0.034 χ^2/NDF:167927.8/5

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

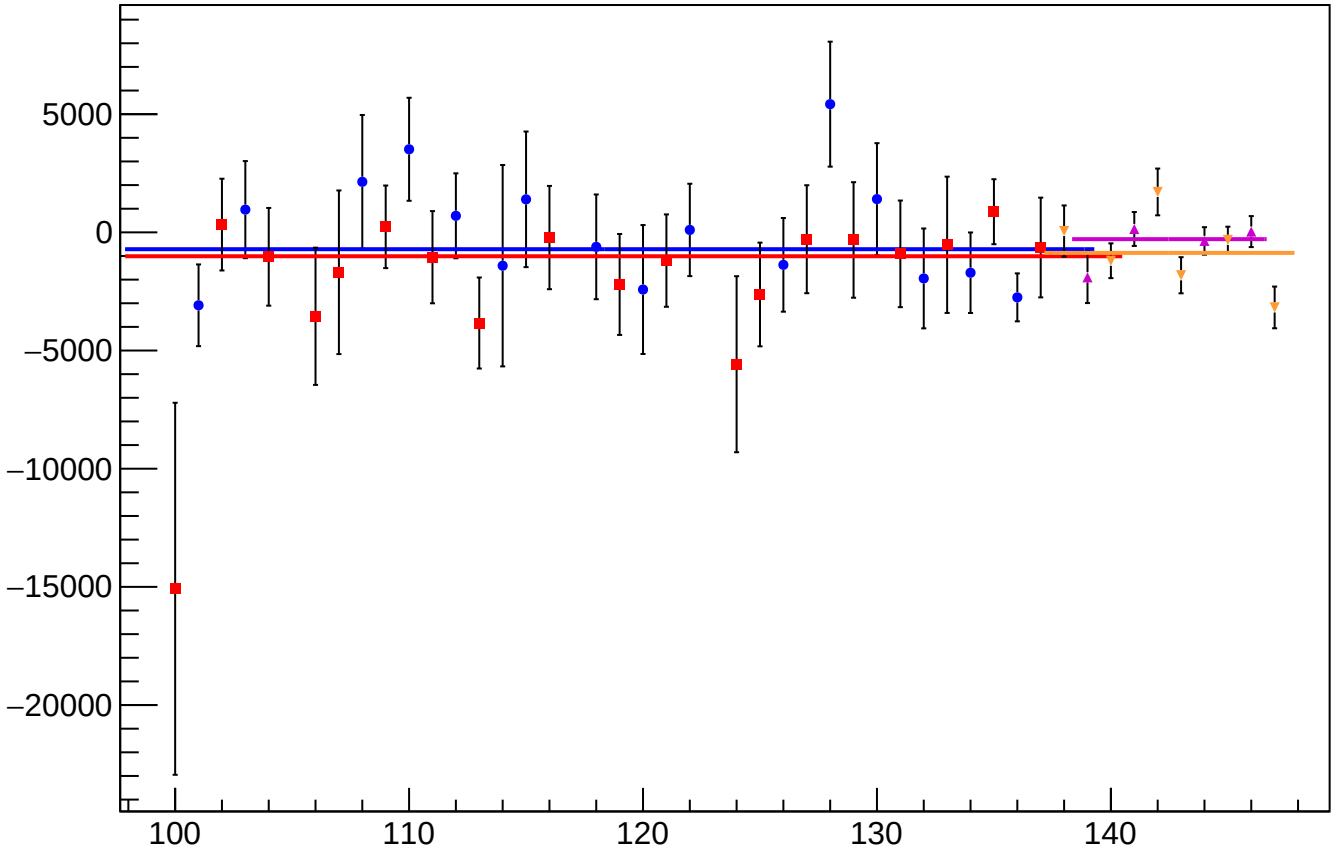
Left In: 96.367+/-0.037 χ^2/NDF:61939.8/3

+ sign 103.827+/-0.022 χ^2/NDF: 691800.8/21

All: 104.200+/-0.016 χ^2/NDF: 1325688.7/44

- sign 104.609+/-0.023 χ^2/NDF: 633287.0/22

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -868.747+/-317.087 χ^2/NDF:17.1/5

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

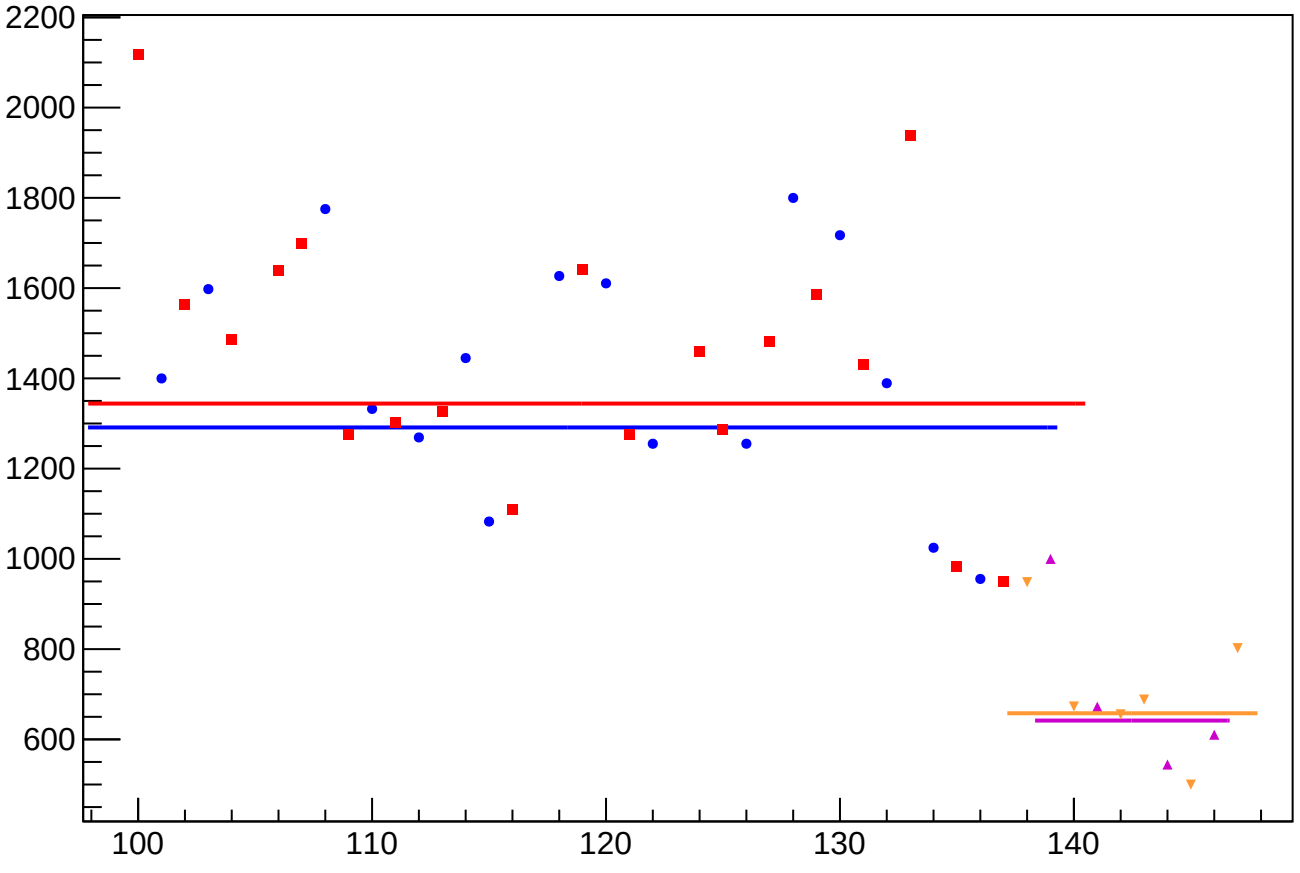
Left In: -287.588+/-351.977 χ^2/NDF:2.8/3

+ sign -823.172+/-266.728 χ^2/NDF: 37.3/21

All: -686.127+/-195.718 χ^2/NDF: 53.8/44

- sign -526.266+/-288.076 χ^2/NDF: 16.0/22

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 657.877+/-0.224 χ^2/NDF:362683.2/5

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

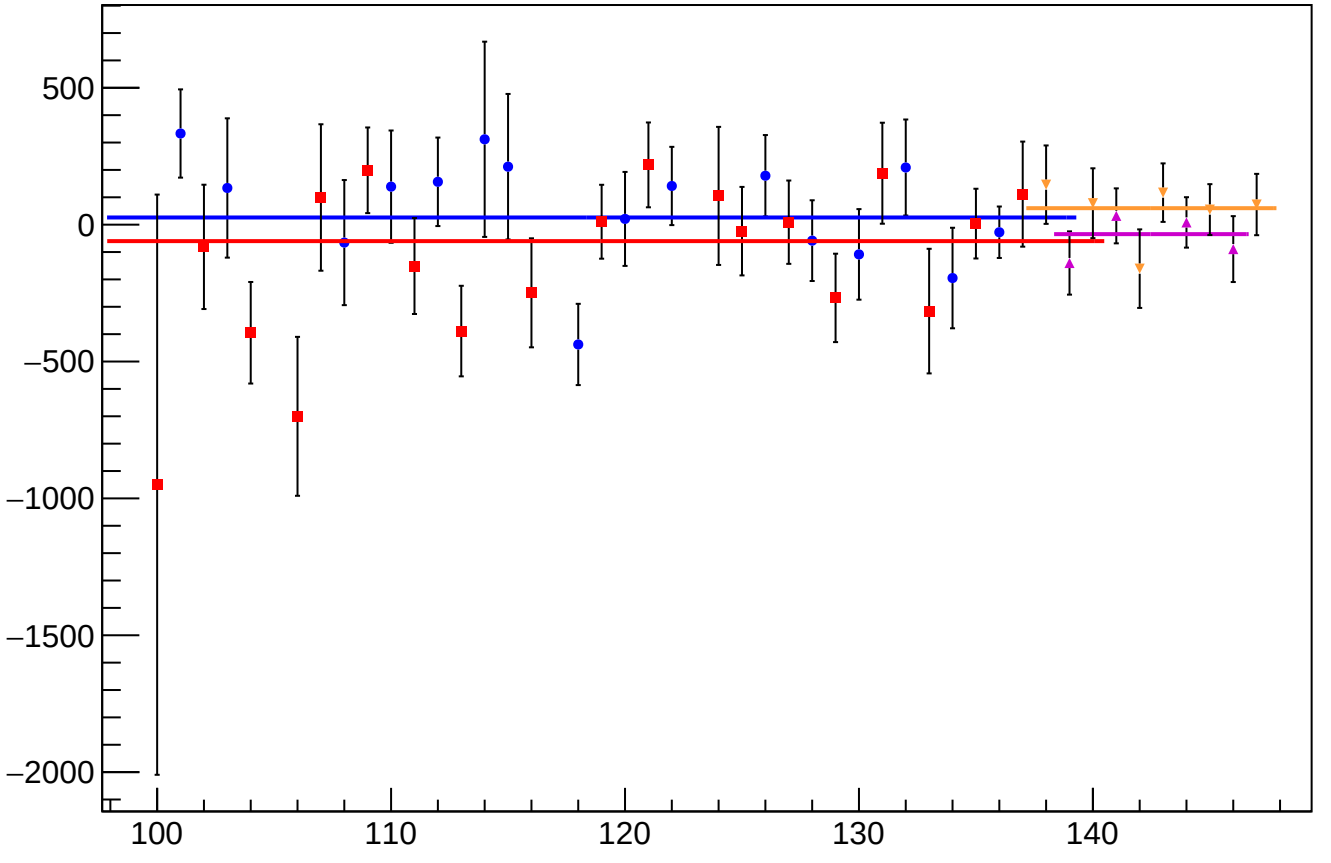
Left In: 641.725+/-0.249 χ^2/NDF:280550.6/3

+ sign 843.076+/-0.189 χ^2/NDF: 3306785.4/21

All: 857.170+/-0.138 χ^2/NDF: 6719779.7/44

- sign 873.610+/-0.204 χ^2/NDF: 3400896.2/22

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 60.222+/-47.582 χ^2/NDF:3.1/5

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

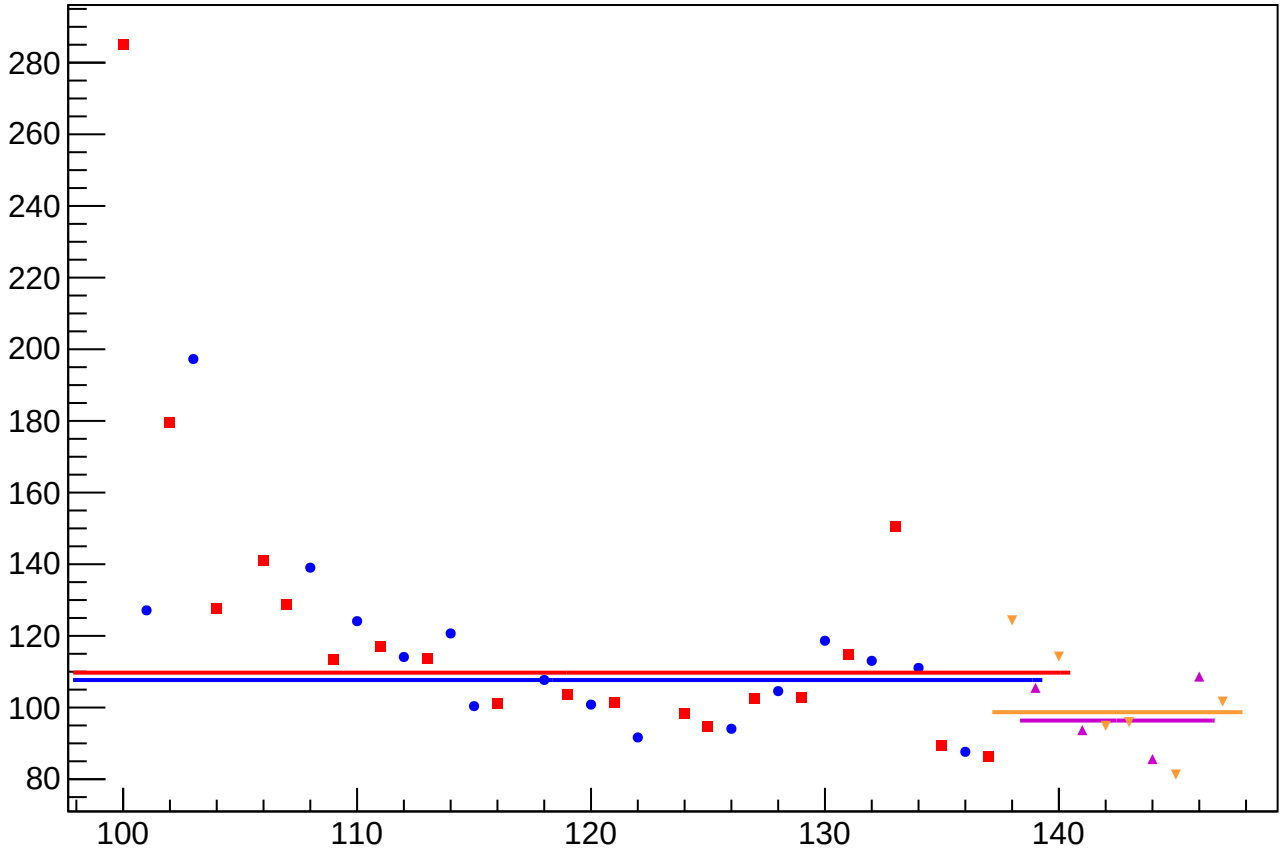
Left In: -34.600+/-52.636 χ^2/NDF:1.7/3

+ sign 40.816+/-31.155 χ^2/NDF: 24.7/21

All: -2.688+/-22.524 χ^2/NDF: 57.6/44

- sign -50.328+/-32.603 χ^2/NDF: 28.8/22

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 98.695+/-0.034 χ^2/NDF:167914.3/5

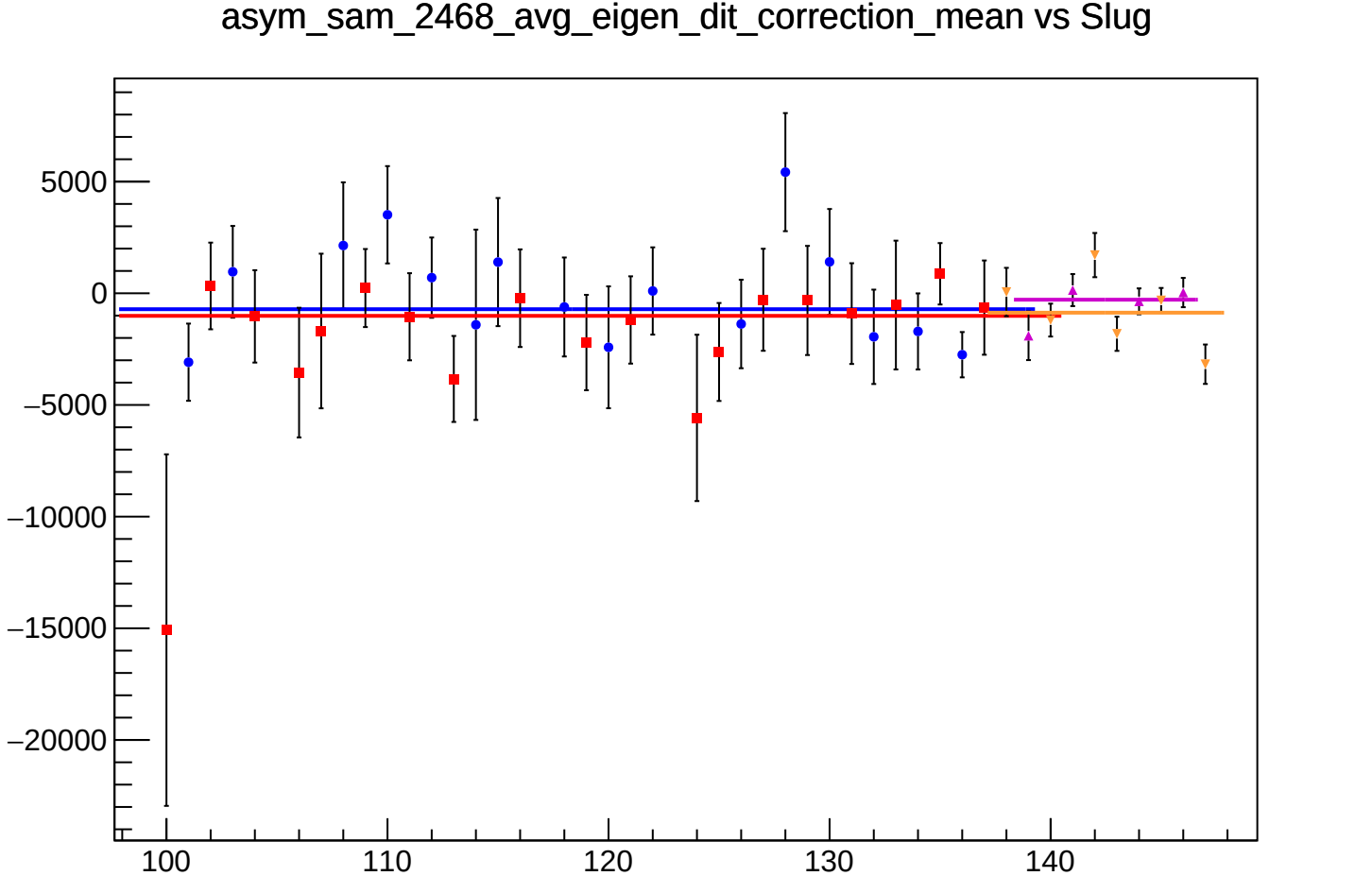
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.368+/-0.037 χ^2/NDF:61937.8/3

+ sign 103.827+/-0.022 χ^2/NDF: 691762.9/21

All: 104.200+/-0.016 χ^2/NDF: 1325634.0/44

- sign 104.609+/-0.023 χ^2/NDF: 633270.3/22



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -868.748+/-317.086 χ^2/NDF:17.1/5

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

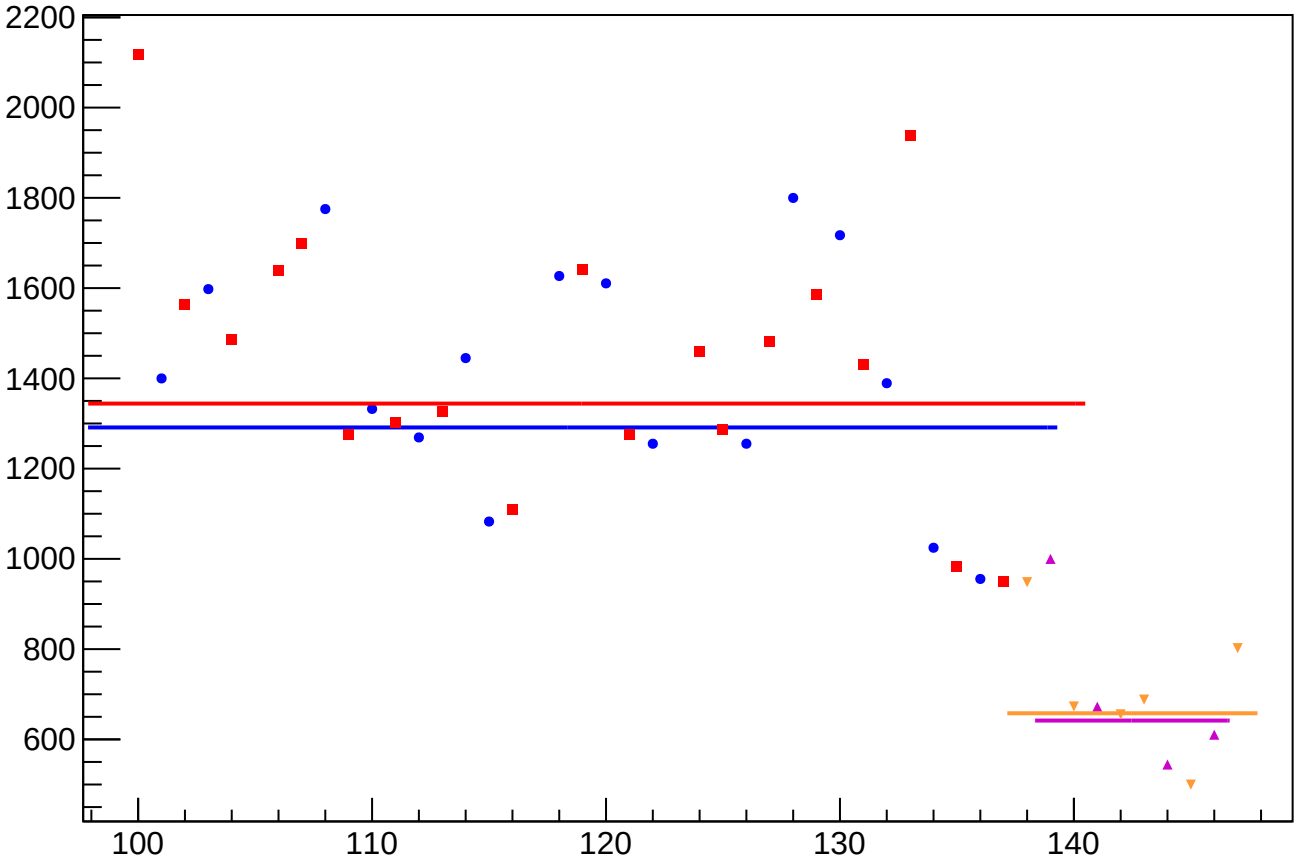
Left In: -287.588+/-351.976 χ^2/NDF:2.8/3

+ sign -823.170+/-266.727 χ^2/NDF: 37.3/21

All: -686.126+/-195.717 χ^2/NDF: 53.8/44

- sign -526.266+/-288.076 χ^2/NDF: 16.0/22

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 657.875+/-0.224 χ^2/NDF:362686.0/5

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

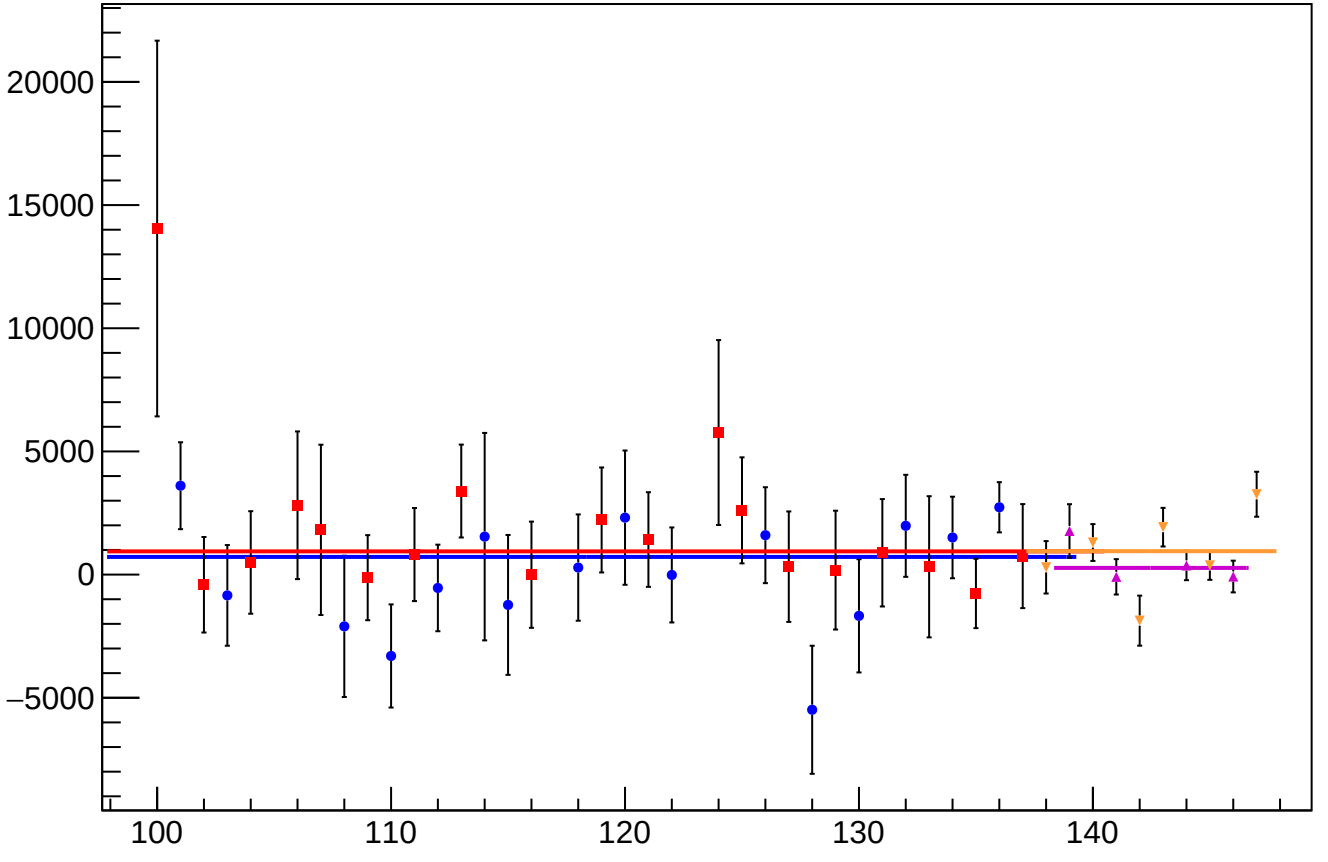
Left In: 641.724+/-0.249 χ^2/NDF:280549.0/3

+ sign 843.073+/-0.189 χ^2/NDF: 3306789.0/21

All: 857.168+/-0.138 χ^2/NDF: 6719777.5/44

- sign 873.608+/-0.204 χ^2/NDF: 3400889.8/22

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 951.044+/-326.600 χ^2/NDF:17.2/5

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

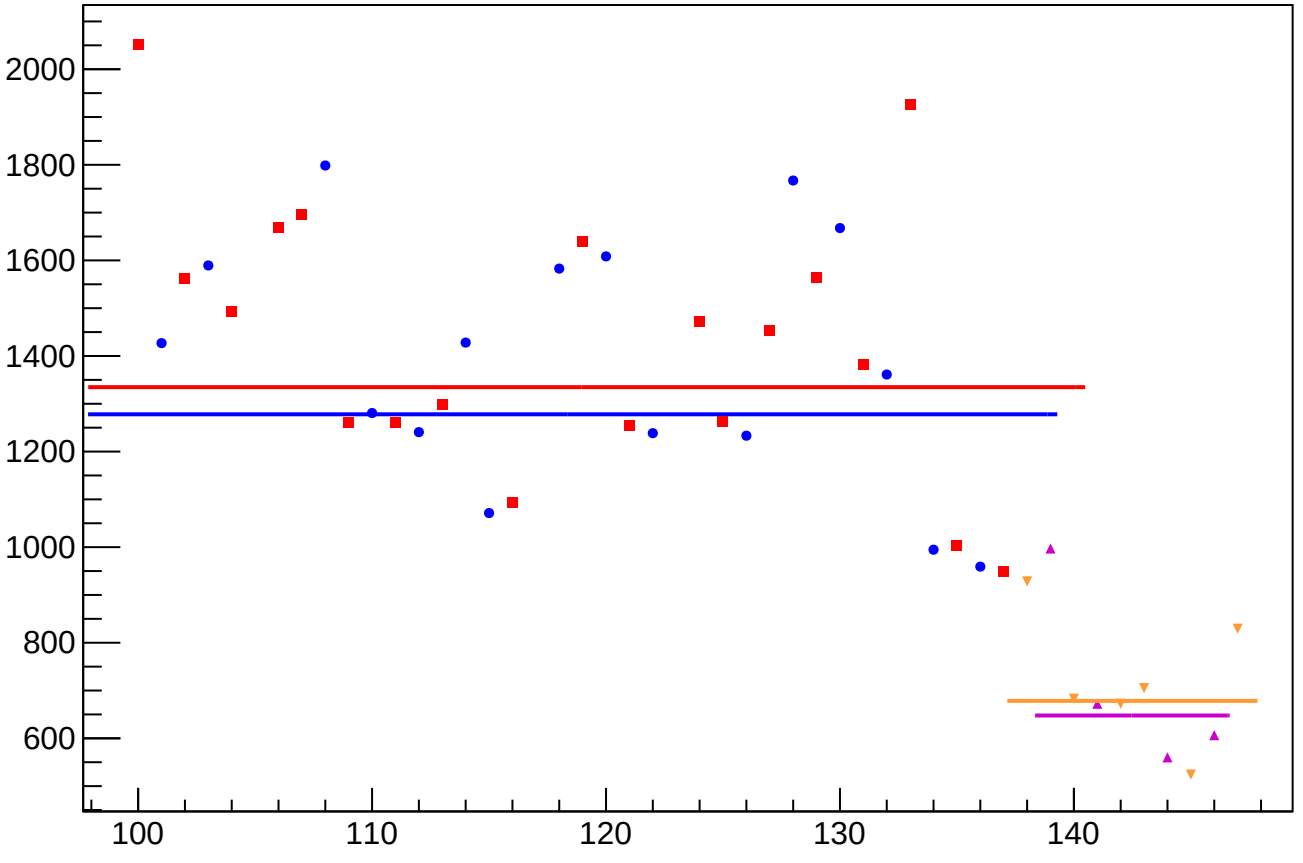
Left In: 272.084+/-353.834 χ^2/NDF:2.5/3

+ sign 878.882+/-271.463 χ^2/NDF: 38.4/21

All: 699.466+/-197.686 χ^2/NDF: 53.6/44

- sign 496.893+/-288.451 χ^2/NDF: 14.3/22

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 678.321+/-0.231 χ^2/NDF:306023.9/5

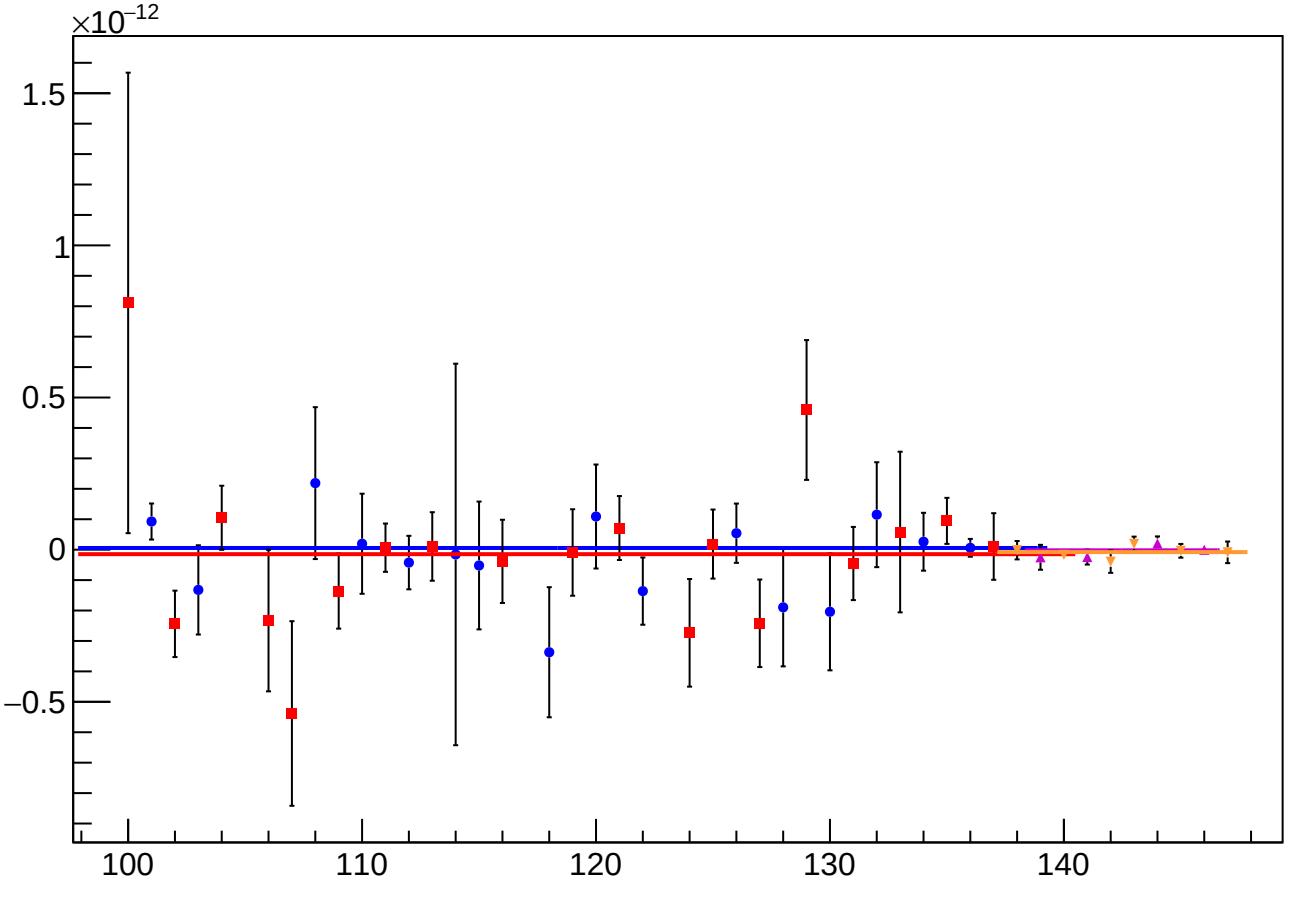
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 647.773+/-0.250 χ^2/NDF:260264.1/3

+ sign 863.700+/-0.192 χ^2/NDF: 2987997.9/21

All: 870.515+/-0.140 χ^2/NDF: 6251804.4/44

- sign 878.210+/-0.204 χ^2/NDF: 3261122.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

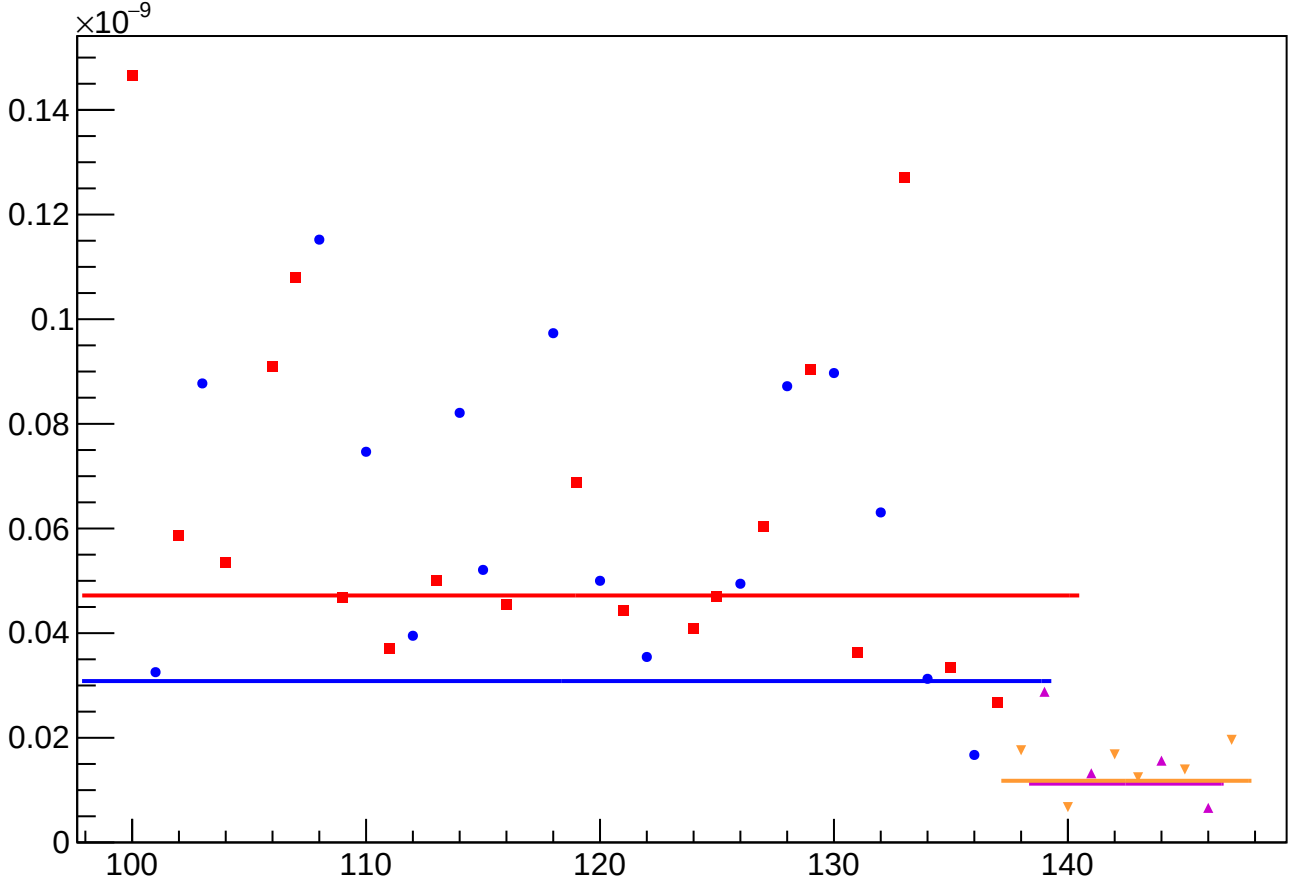
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/21

All: -0.000+/-0.000 χ^2/NDF: 40.4/44

- sign -0.000+/-0.000 χ^2/NDF: 26.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:448345.9/5

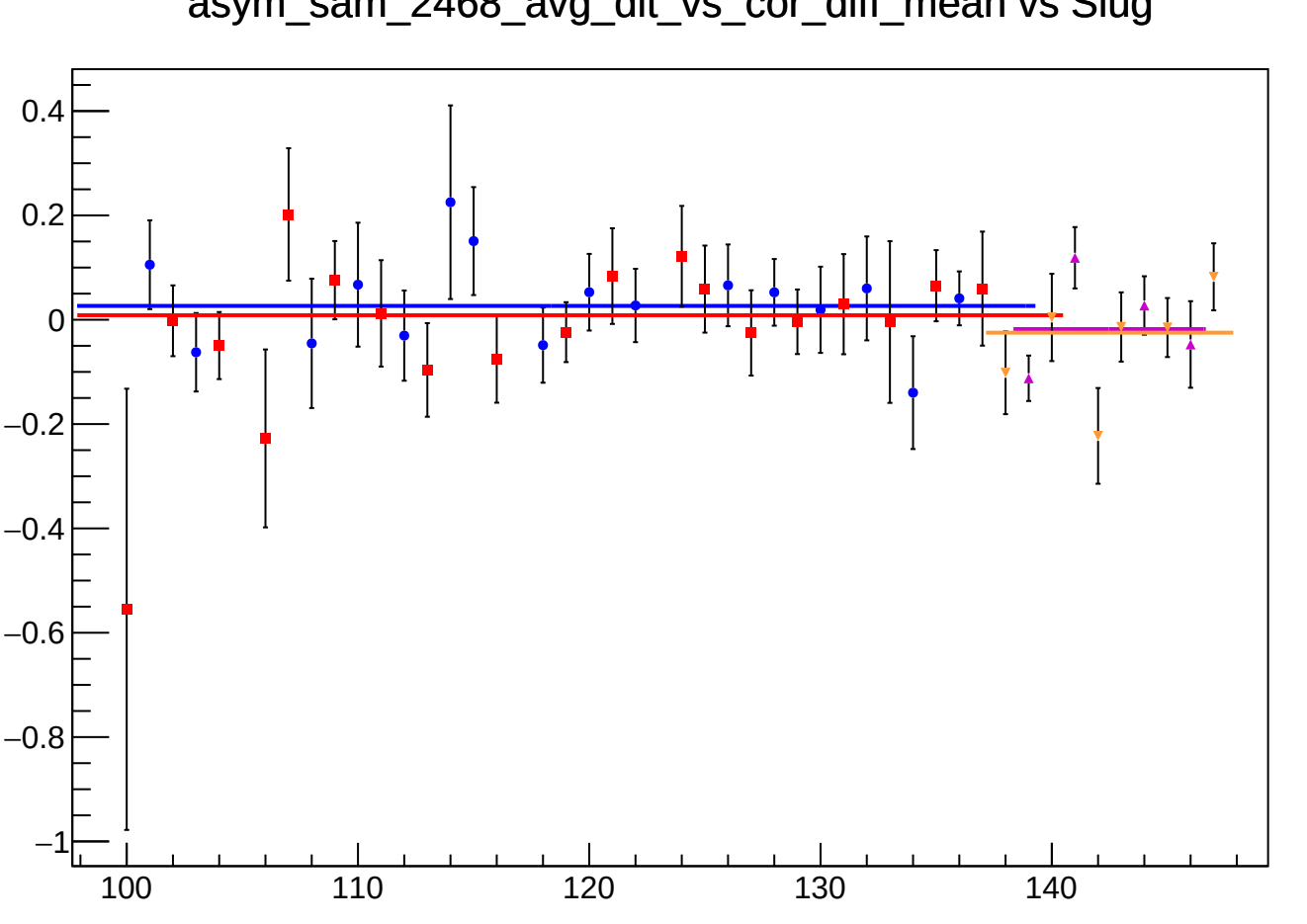
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:655305.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 3660273.4/21

All: 0.000+/-0.000 χ^2/NDF: 7815206.9/44

- sign 0.000+/-0.000 χ^2/NDF: 4150366.2/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

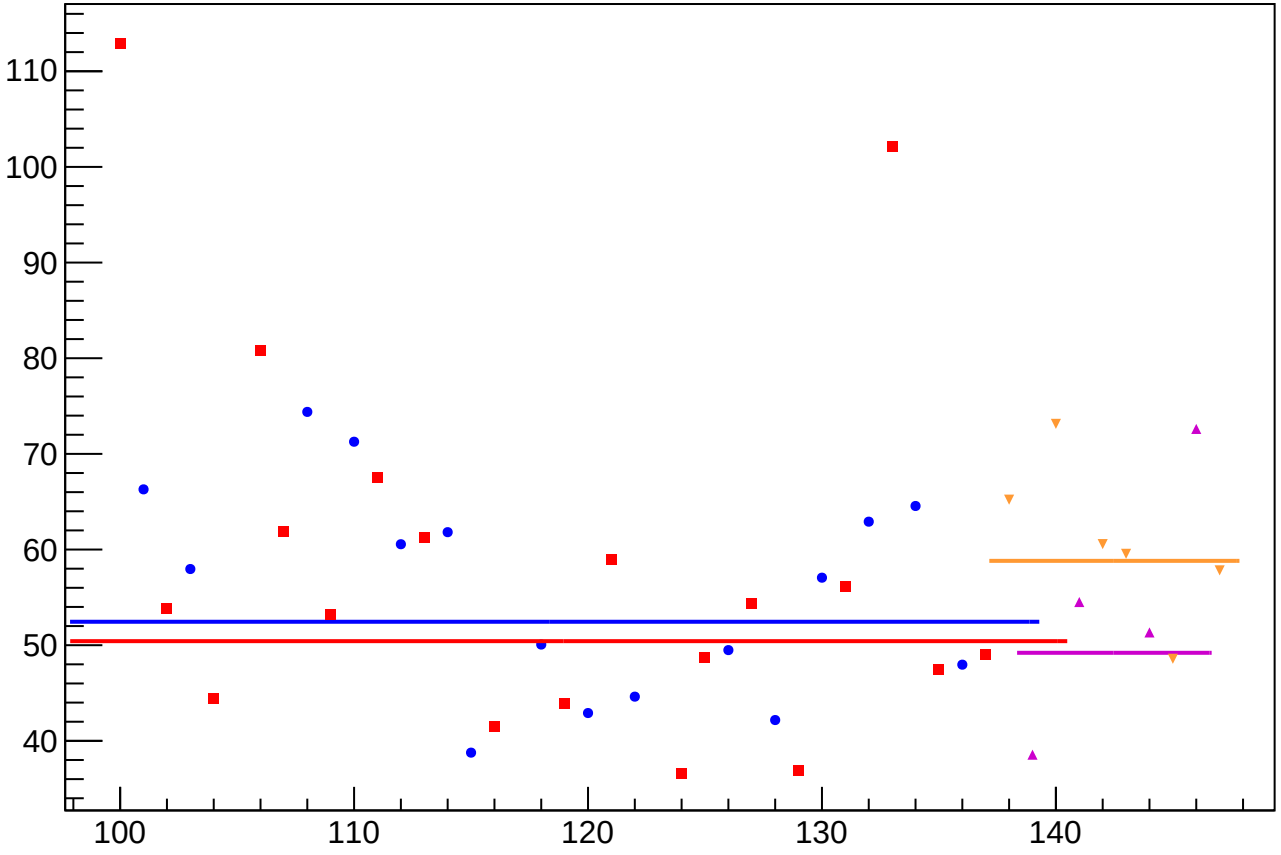
Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.004+/-0.012 χ^2/NDF: 46.2/44

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22

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: 58.818+/-0.020 χ^2/NDF:138642.5/5

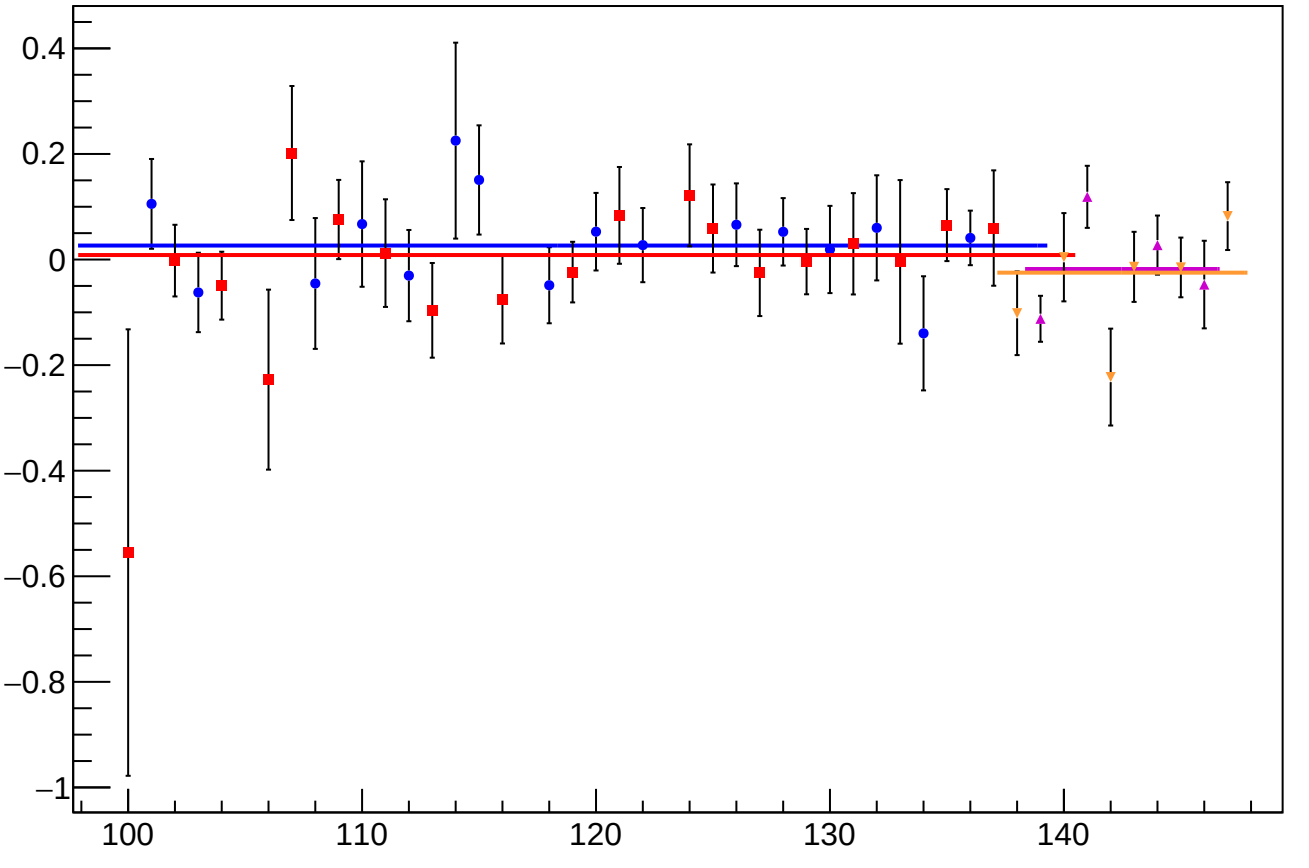
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

+ sign 54.575+/-0.012 χ^2/NDF: 621646.3/21

All: 52.206+/-0.008 χ^2/NDF: 1676640.3/44

- sign 50.025+/-0.011 χ^2/NDF: 977268.0/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

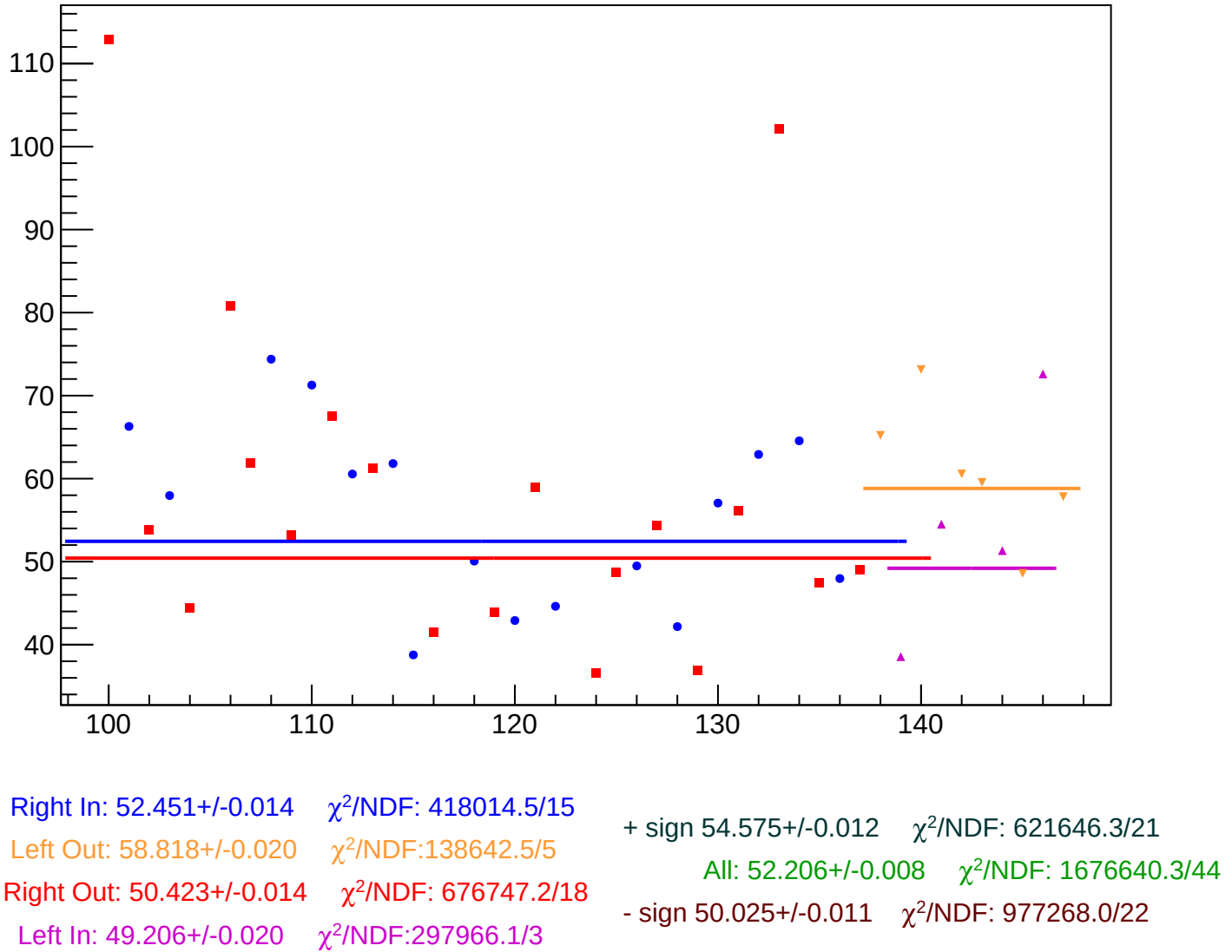
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

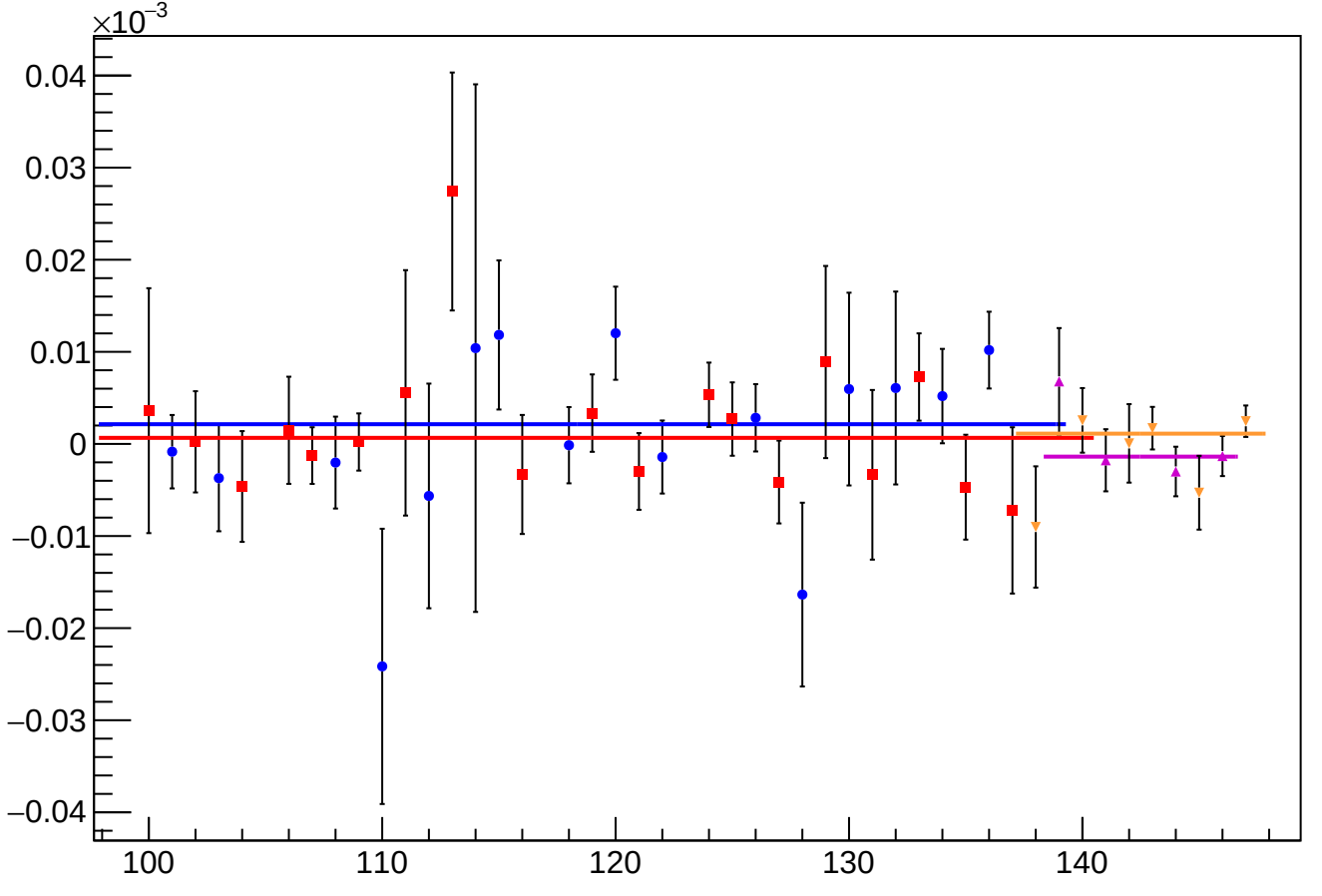
Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.004+/-0.012 χ^2/NDF: 46.2/44

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug
110
100
90
80
70
60
50
40
100
110
120
130
140
Right In: 52.451+/-0.014 χ²/NDF: 418014.5/15
Left Out: 58.818+/-0.020 χ²/NDF:138642.5/5
Right Out: 50.423+/-0.014 χ²/NDF: 676747.2/18
Left In: 49.206+/-0.020 χ²/NDF:297966.1/3
+ sign 54.575+/-0.012 χ²/NDF: 621646.3/21
All: 52.206+/-0.008 χ²/NDF: 1676640.3/44
- sign 50.025+/-0.011 χ²/NDF: 977268.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/5

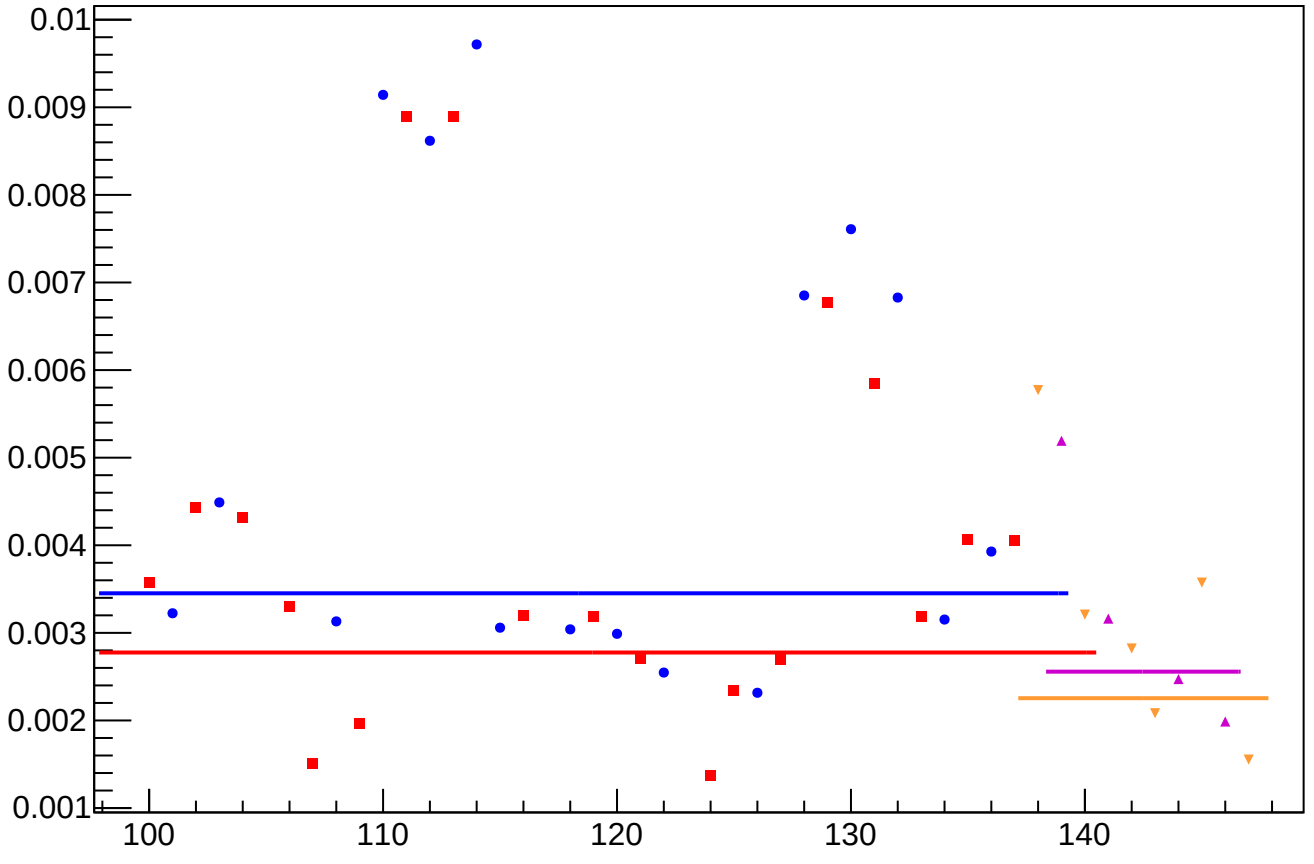
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/21

All: 0.000+/-0.000 χ^2/NDF: 46.3/44

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1318698.4/5

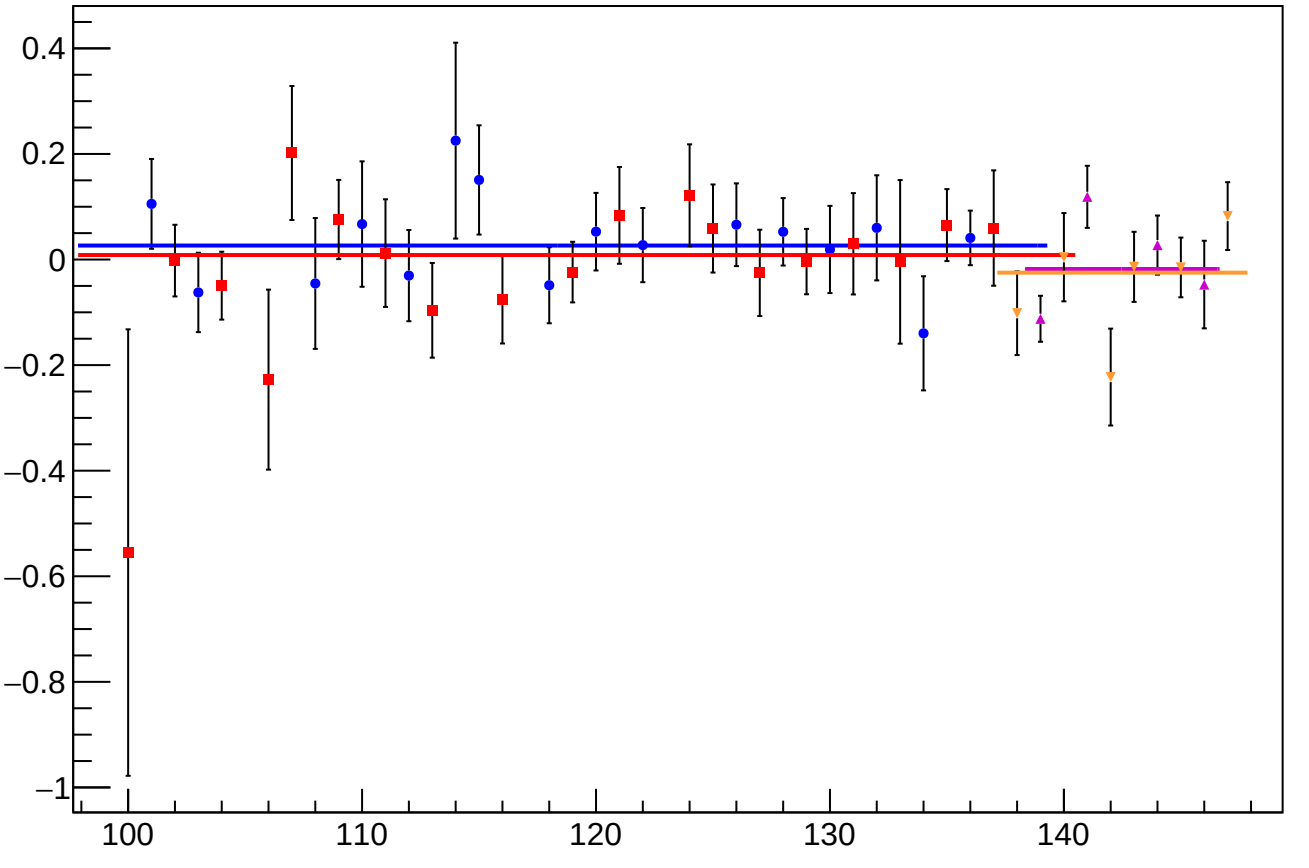
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:618275.2/3

+ sign 0.003+/-0.000 χ^2/NDF: 4151871.2/21

All: 0.003+/-0.000 χ^2/NDF: 7536108.5/44

- sign 0.003+/-0.000 χ^2/NDF: 3380867.9/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

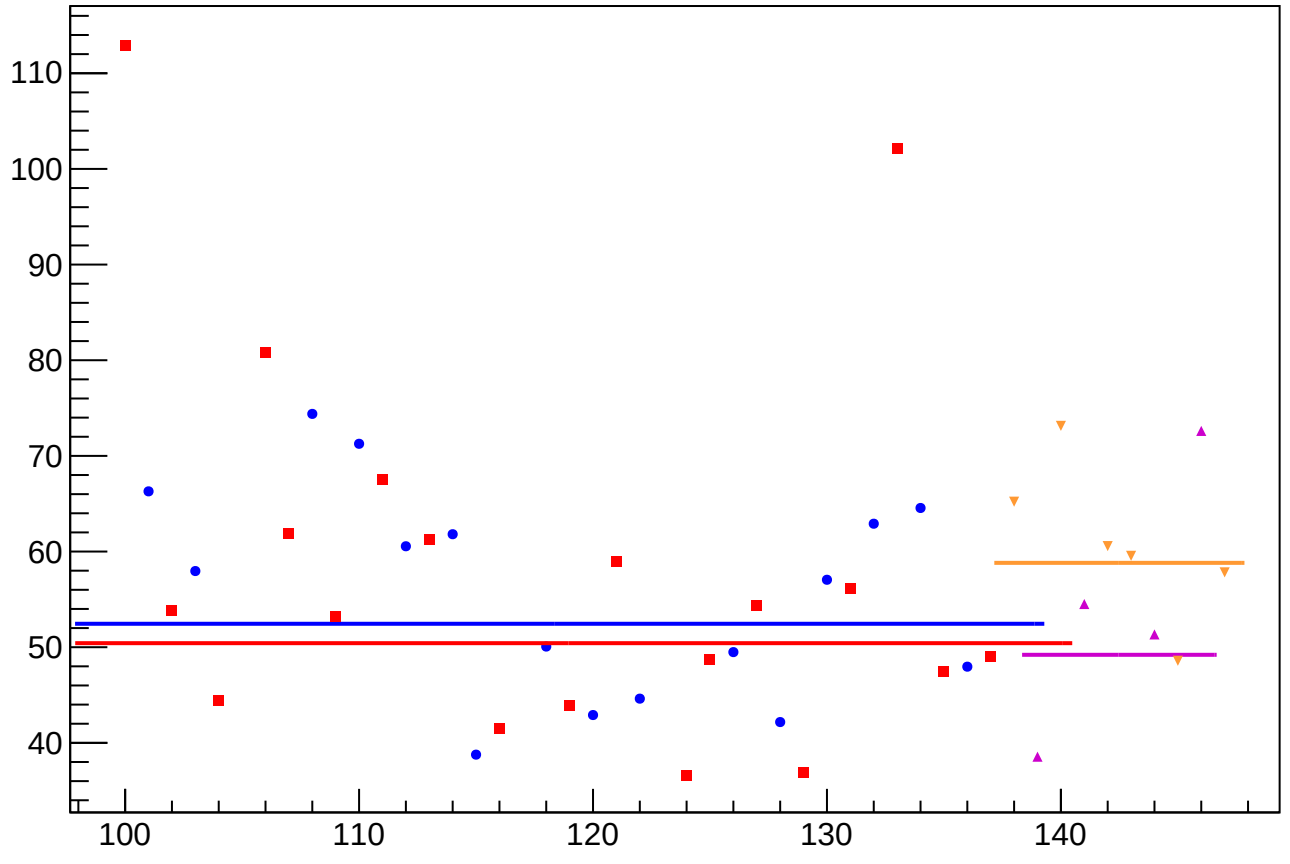
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.004+/-0.012 χ^2/NDF: 46.2/44

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

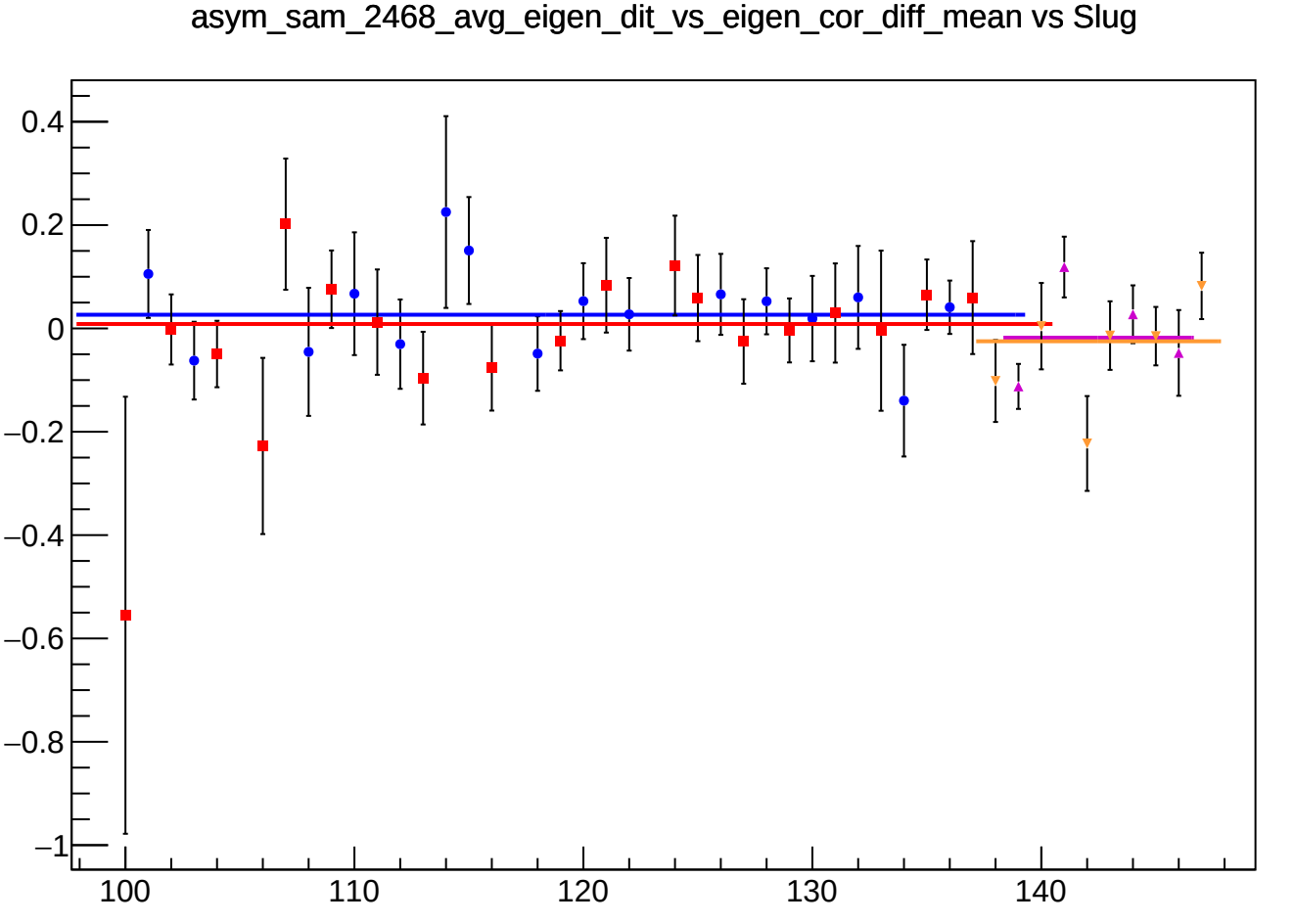
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

+ sign 54.574+/-0.012 χ^2/NDF: 621605.1/21

All: 52.205+/-0.008 χ^2/NDF: 1676647.9/44

- sign 50.024+/-0.011 χ^2/NDF: 977309.3/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

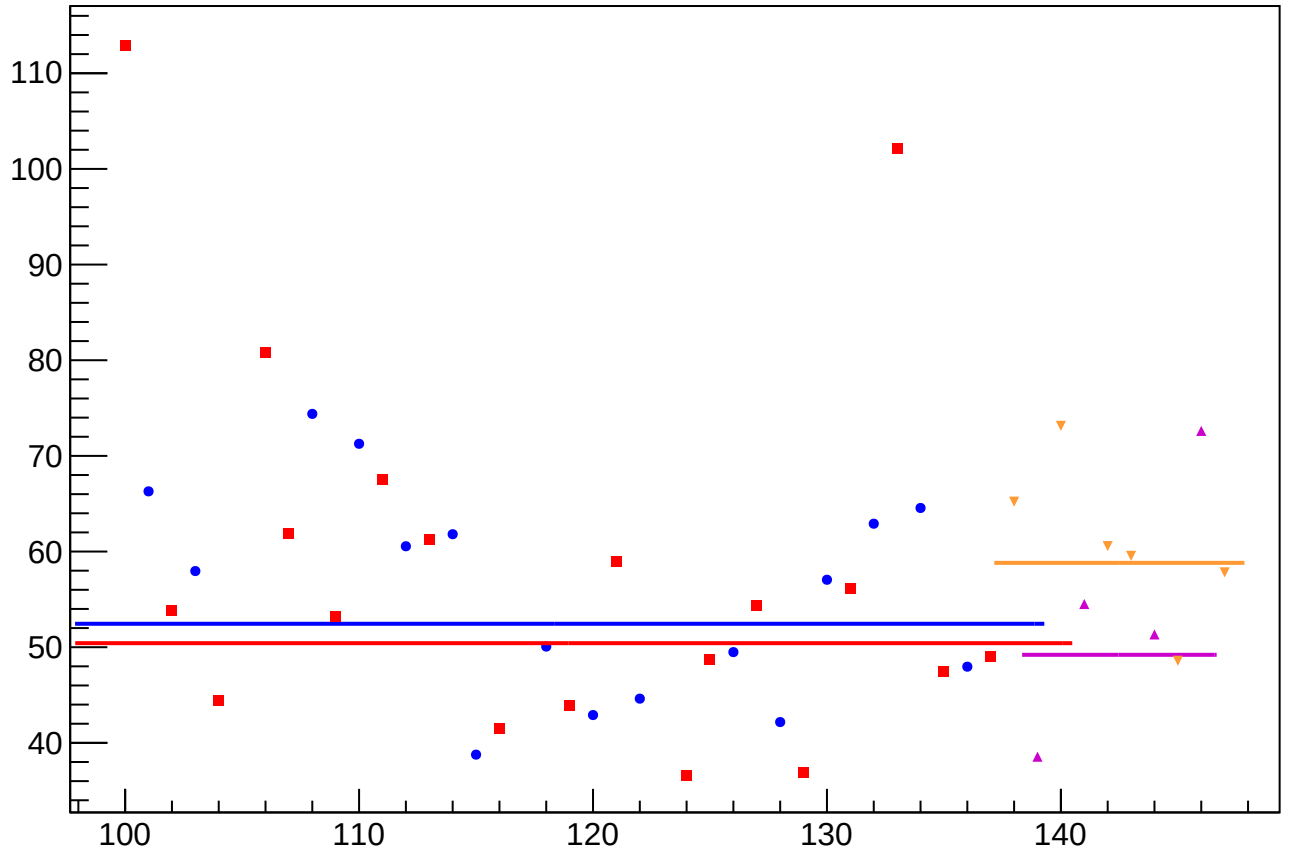
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.004+/-0.012 χ^2/NDF: 46.2/44

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

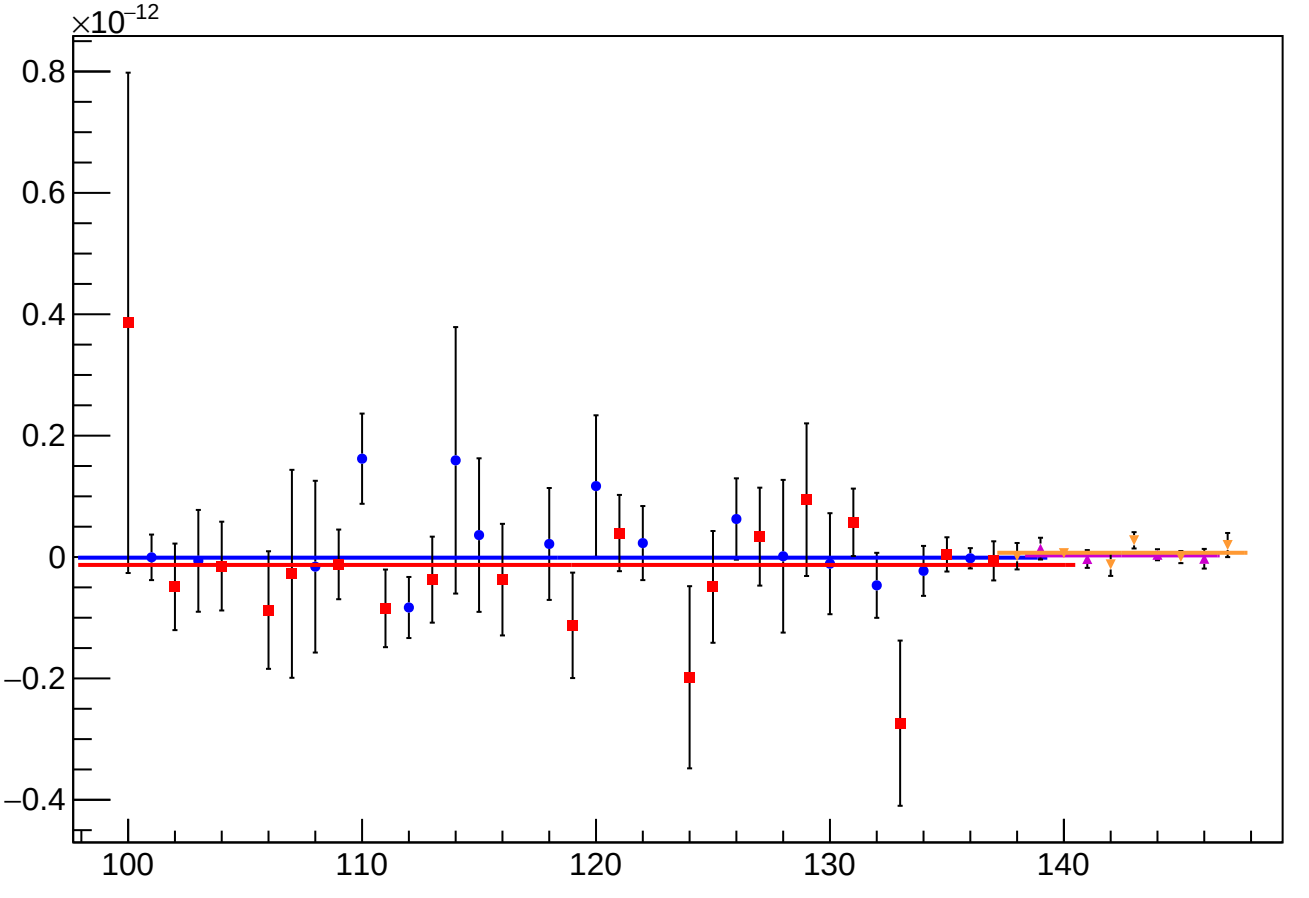
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

+ sign 54.574+/-0.012 χ^2/NDF: 621605.1/21

All: 52.205+/-0.008 χ^2/NDF: 1676647.9/44

- sign 50.024+/-0.011 χ^2/NDF: 977309.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/5

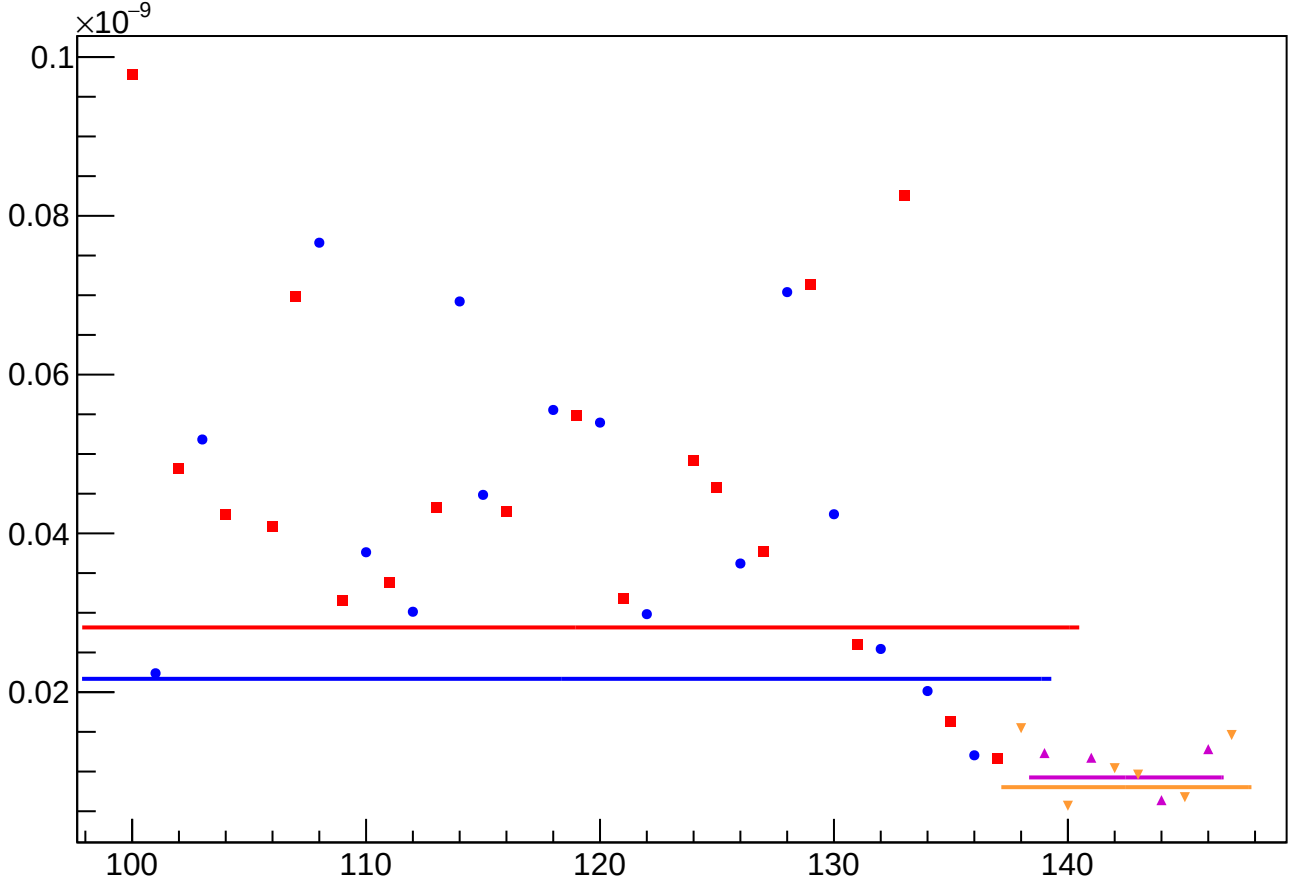
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.0/21

All: 0.000+/-0.000 χ^2/NDF: 31.9/44

- sign 0.000+/-0.000 χ^2/NDF: 15.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:705552.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

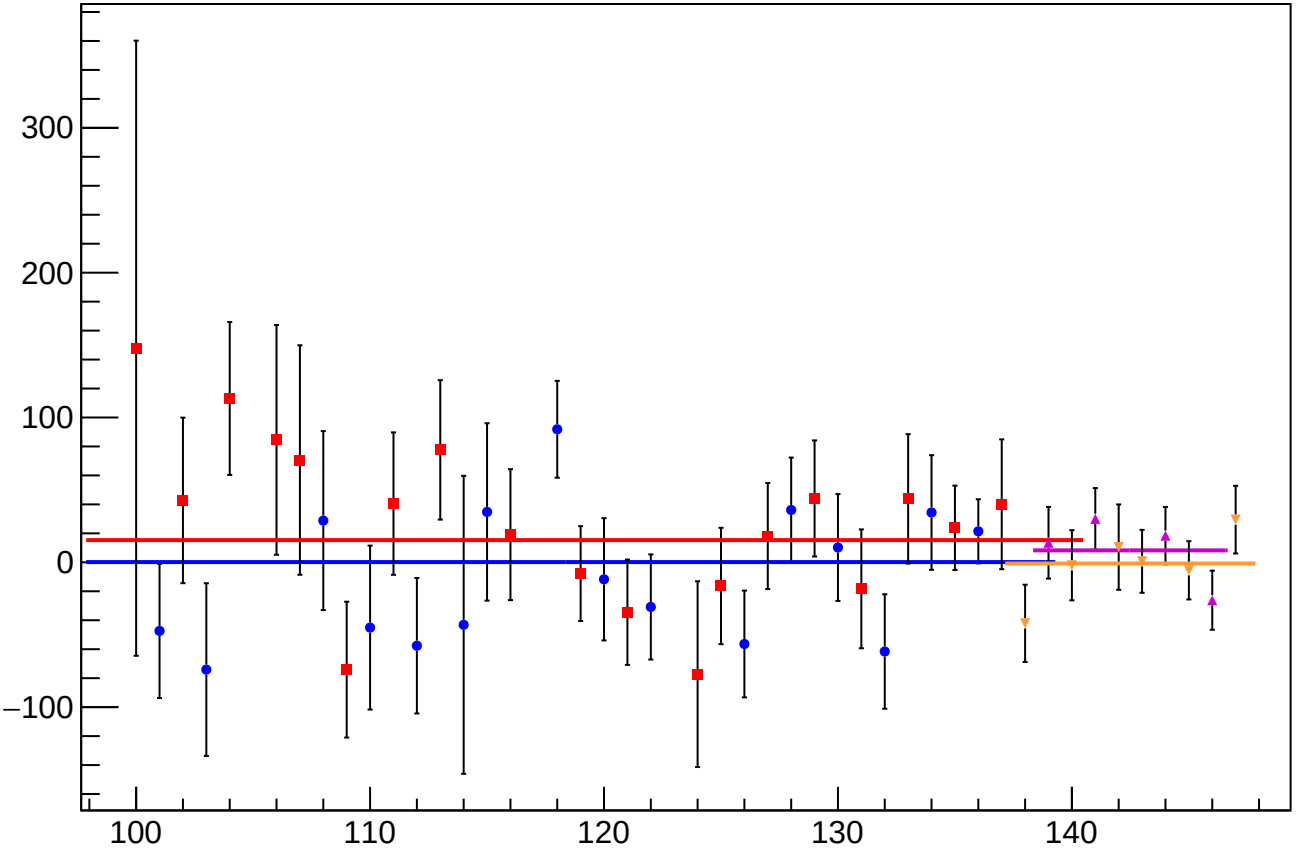
Left In: 0.000+/-0.000 χ^2/NDF:411490.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 5419415.7/21

All: 0.000+/-0.000 χ^2/NDF: 11218704.1/44

- sign 0.000+/-0.000 χ^2/NDF: 5620937.1/22

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.818+/-9.675 χ^2/NDF:4.3/5

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

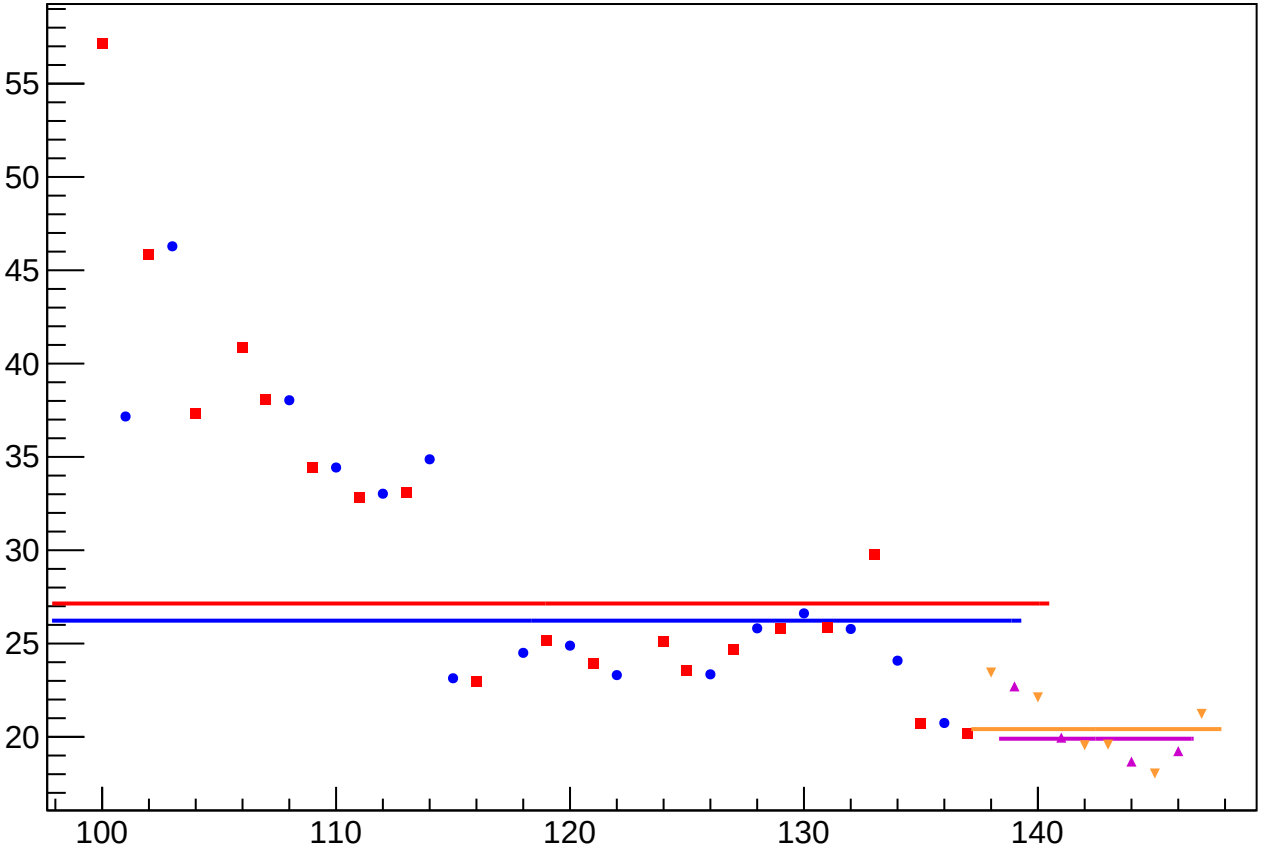
Left In: 8.256+/-10.659 χ^2/NDF:4.2/3

+ sign -0.350+/-6.969 χ^2/NDF: 25.6/21

All: 5.425+/-5.072 χ^2/NDF: 49.5/44

- sign 11.927+/-7.394 χ^2/NDF: 22.4/22

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

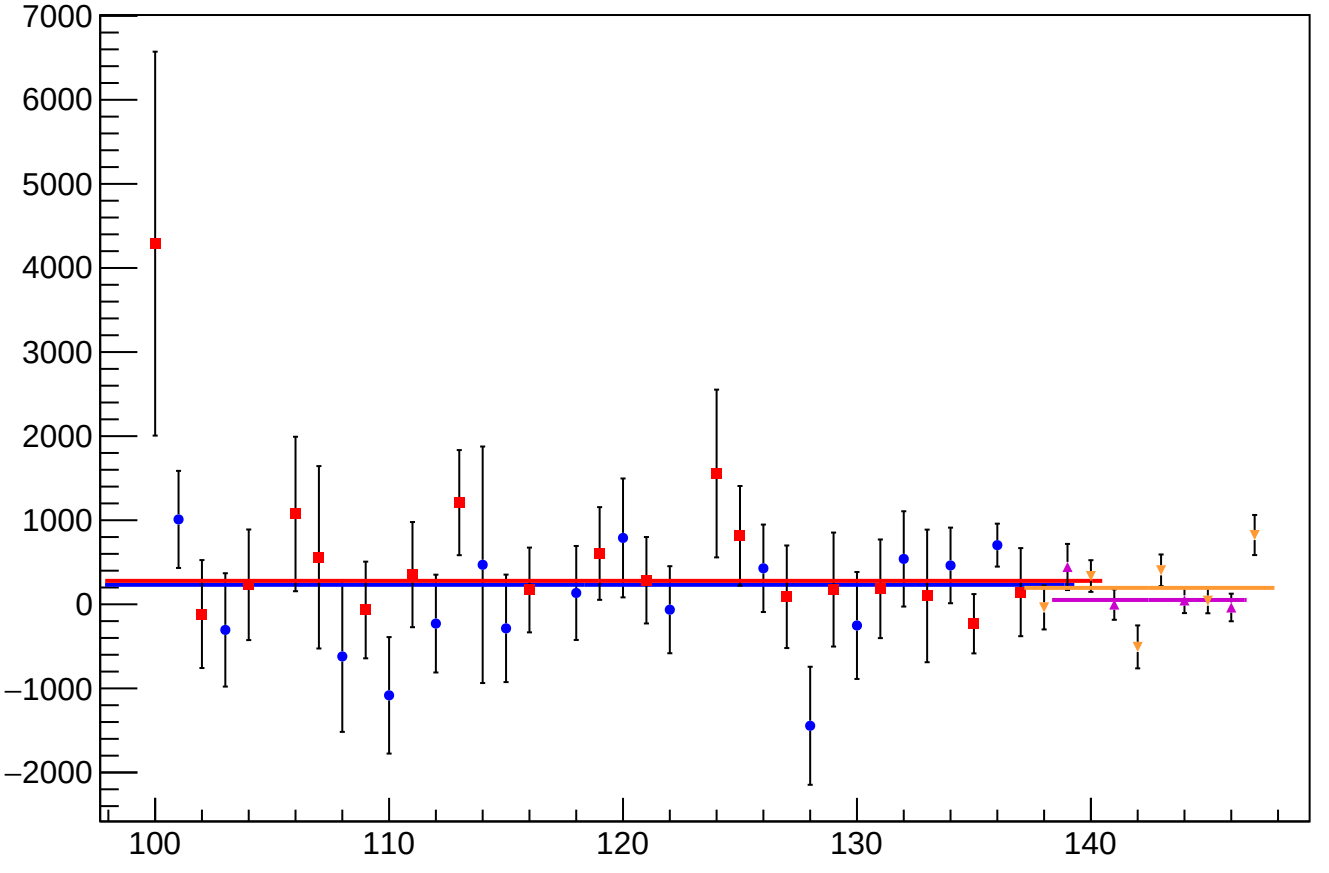
Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.212+/-0.005 χ^2/NDF: 1093842.8/21

All: 23.422+/-0.004 χ^2/NDF: 2367904.0/44

- sign 23.659+/-0.005 χ^2/NDF: 1270196.0/22

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.452+/-82.073 χ^2/NDF:18.1/5

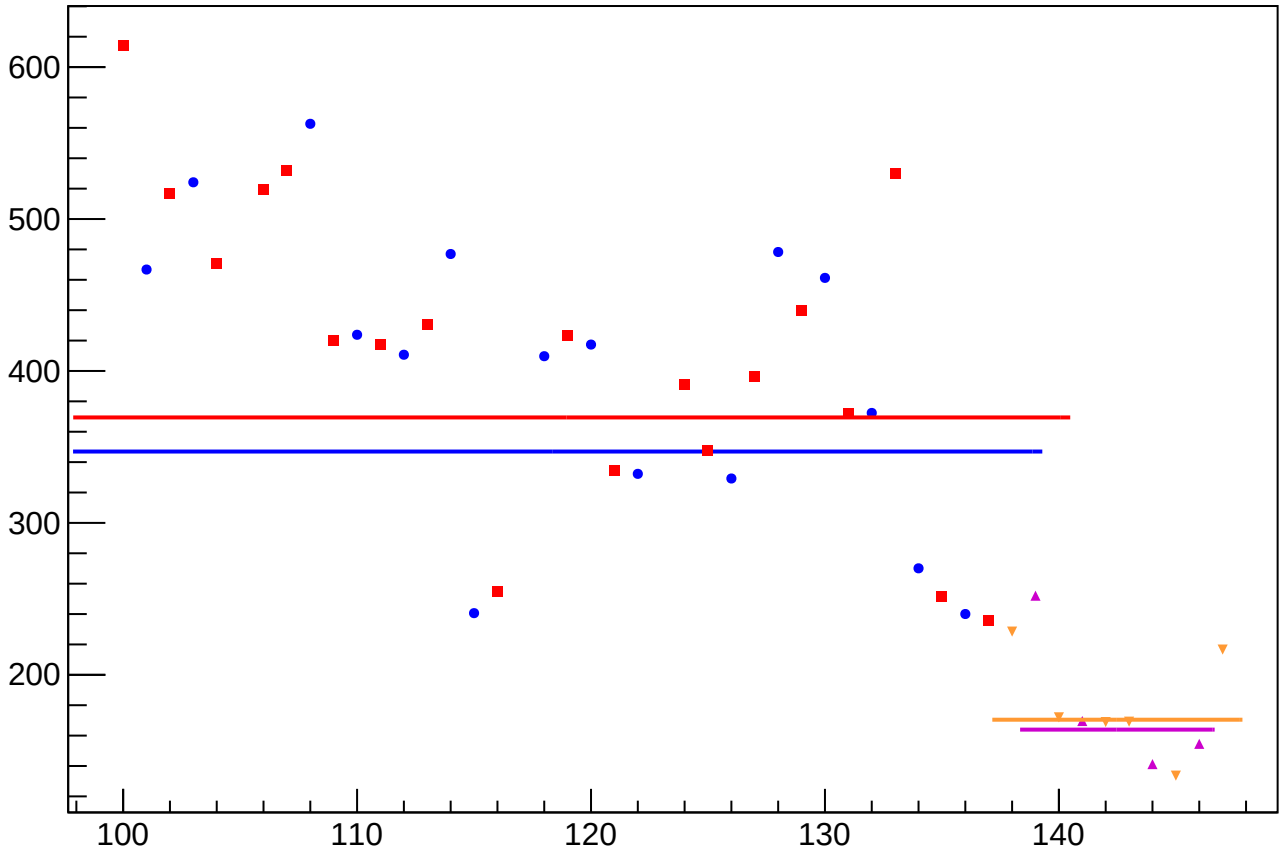
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 51.663+/-89.512 χ^2/NDF:2.4/3

+ sign 205.354+/-70.112 χ^2/NDF: 37.8/21

All: 164.698+/-51.347 χ^2/NDF: 54.9/44

- sign 117.666+/-75.410 χ^2/NDF: 16.4/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 170.462+/-0.058 χ^2/NDF:294058.3/5

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

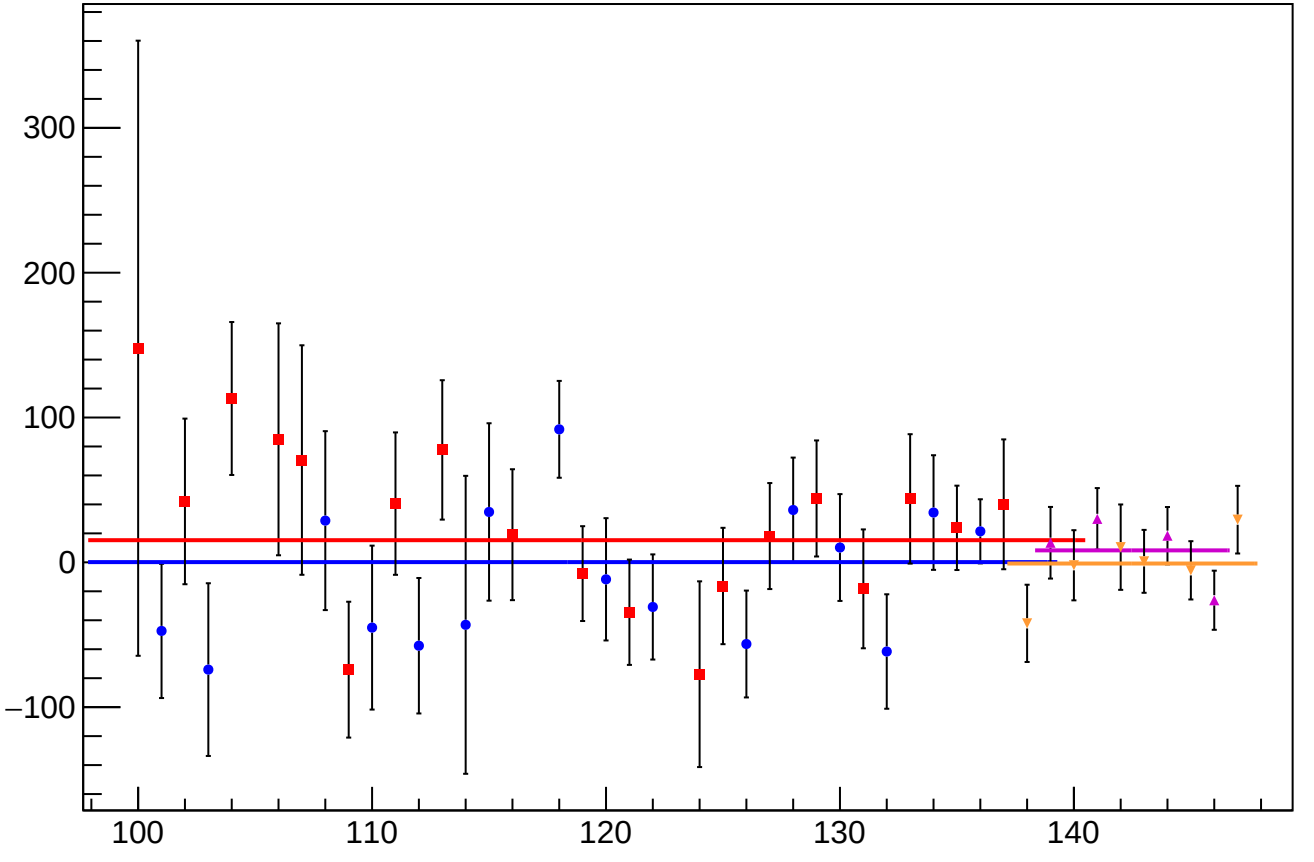
Left In: 163.938+/-0.063 χ^2/NDF:260068.9/3

+ sign 218.161+/-0.050 χ^2/NDF: 3851854.8/21

All: 220.674+/-0.036 χ^2/NDF: 8095362.7/44

- sign 223.582+/-0.053 χ^2/NDF: 4237963.8/22

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.821+/-9.675 χ^2/NDF:4.3/5

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

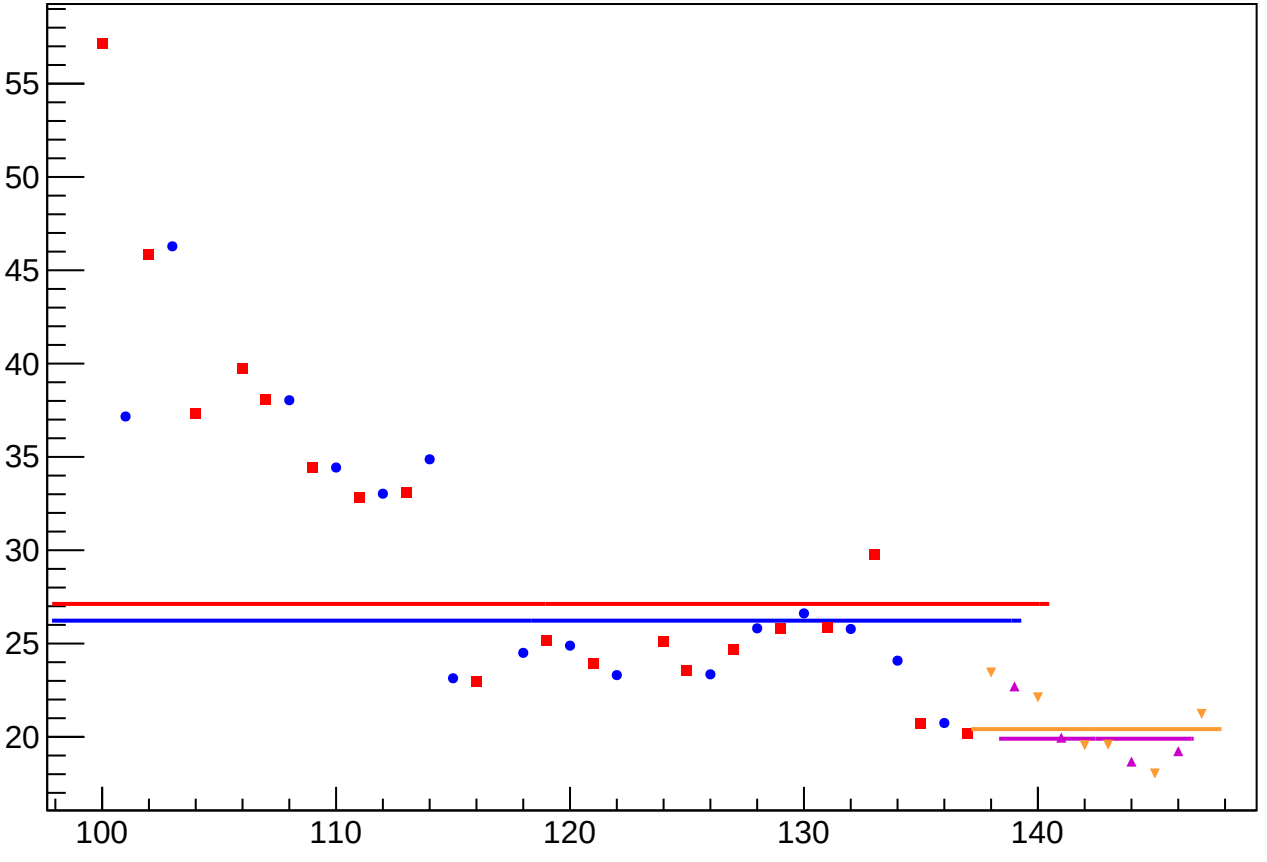
Left In: 8.260+/-10.659 χ^2/NDF:4.2/3

+ sign -0.351+/-6.969 χ^2/NDF: 25.6/21

All: 5.415+/-5.072 χ^2/NDF: 49.4/44

- sign 11.907+/-7.395 χ^2/NDF: 22.4/22

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

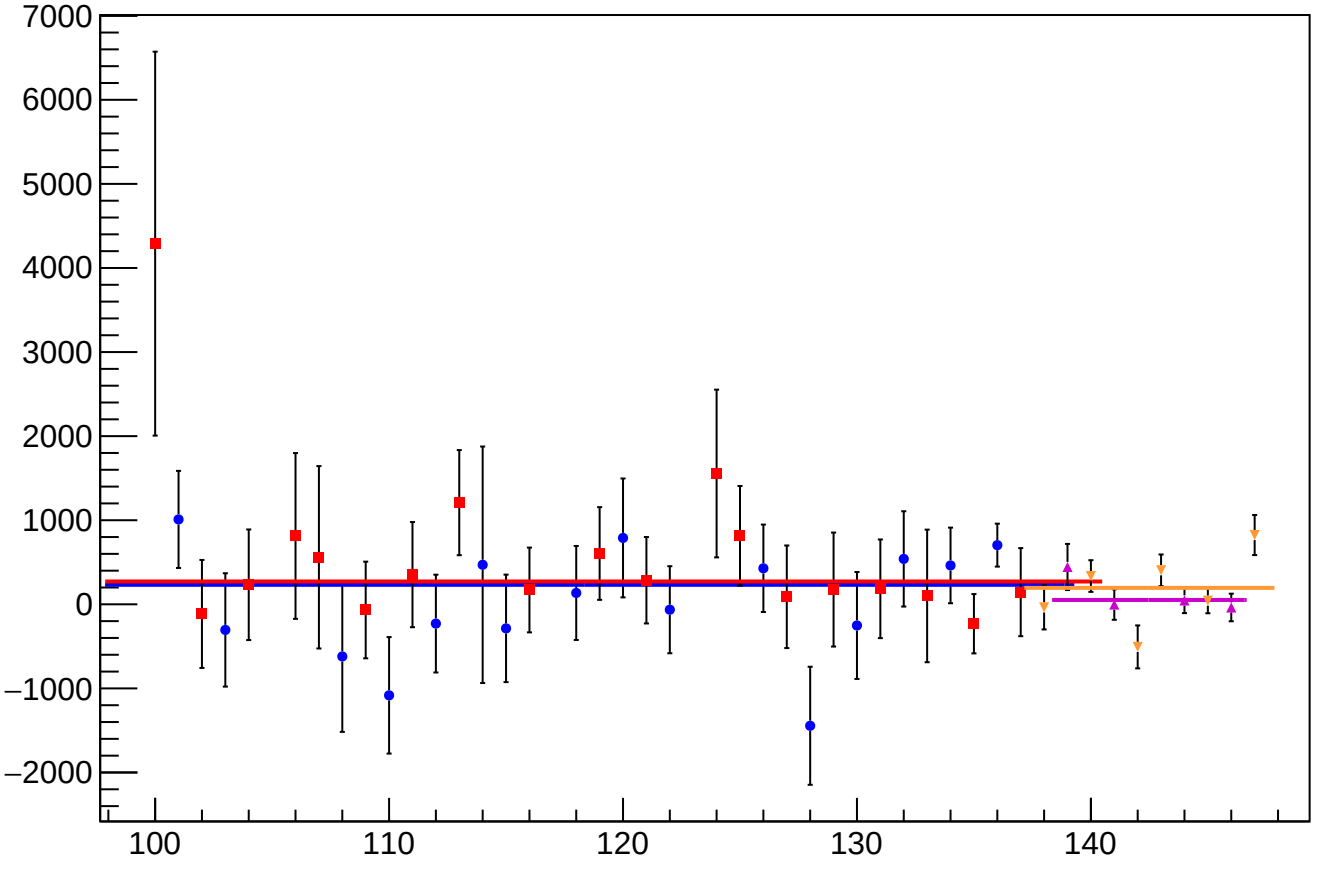
Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.212+/-0.005 χ^2/NDF: 1093846.2/21

All: 23.416+/-0.004 χ^2/NDF: 2354987.3/44

- sign 23.647+/-0.005 χ^2/NDF: 1257480.6/22

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

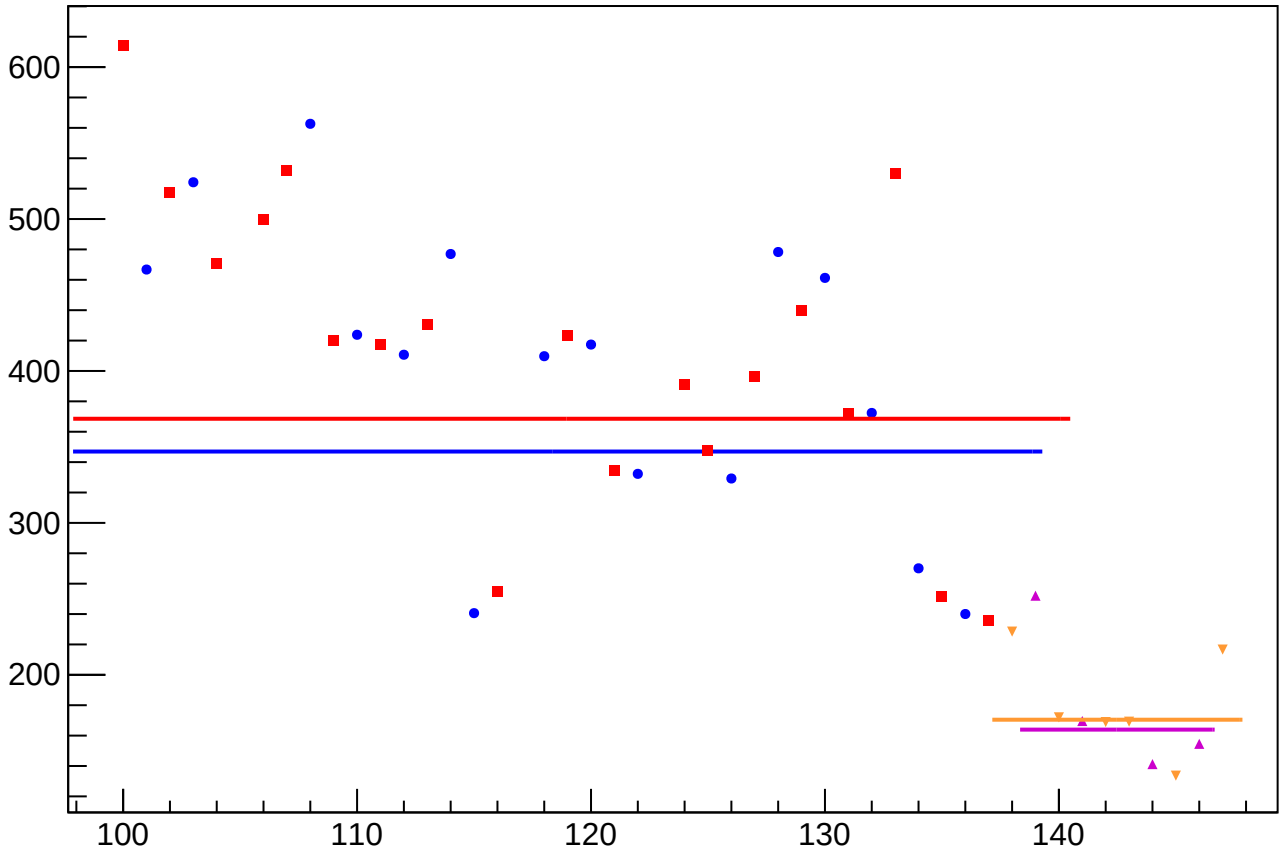
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.666+/-89.512 χ^2/NDF:2.4/3

+ sign 205.349+/-70.112 χ^2/NDF: 37.8/21

All: 163.625+/-51.358 χ^2/NDF: 54.4/44

- sign 115.313+/-75.444 χ^2/NDF: 15.8/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

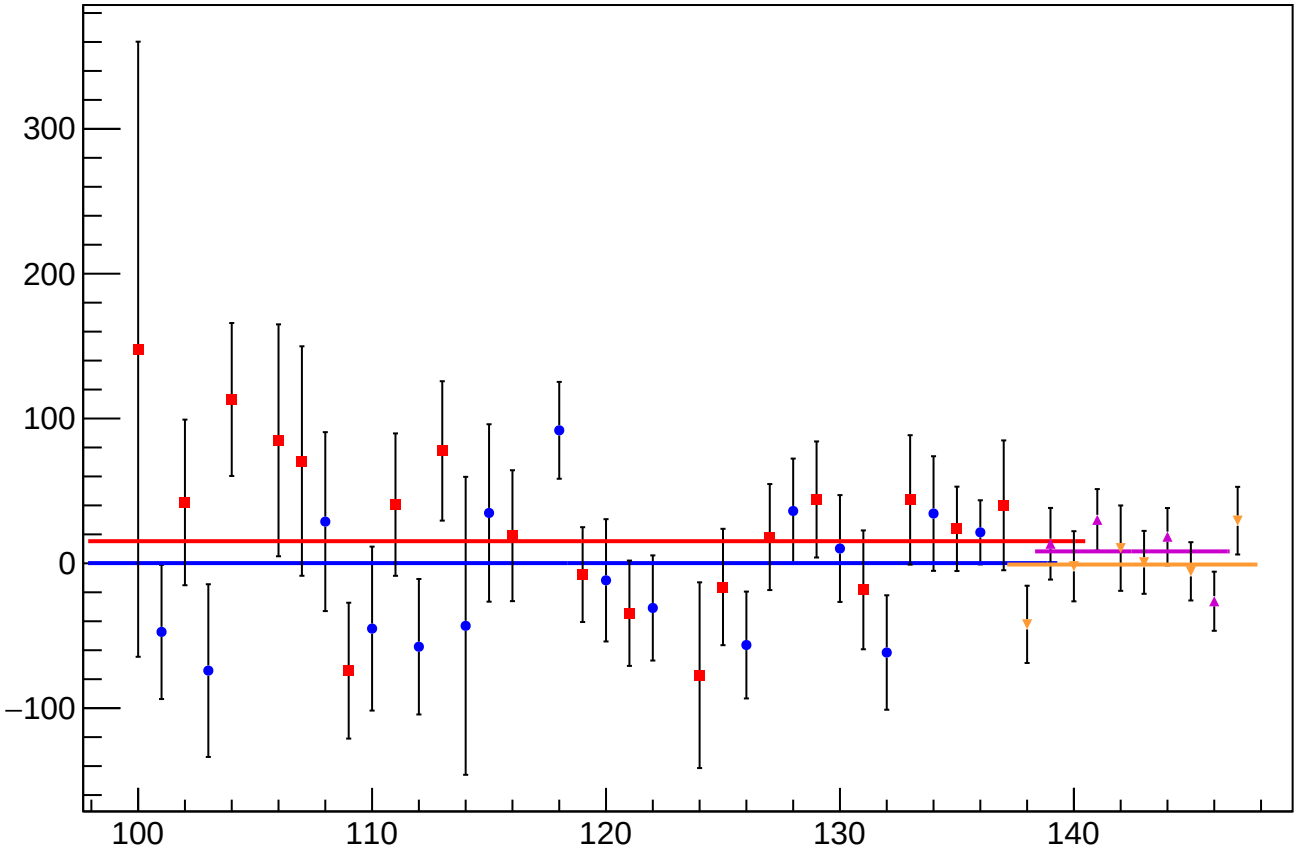
Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

+ sign 218.161+/-0.050 χ^2/NDF: 3851887.5/21

All: 220.496+/-0.036 χ^2/NDF: 8043556.2/44

- sign 223.200+/-0.053 χ^2/NDF: 4186880.9/22

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.821+/-9.675 χ^2/NDF:4.3/5

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

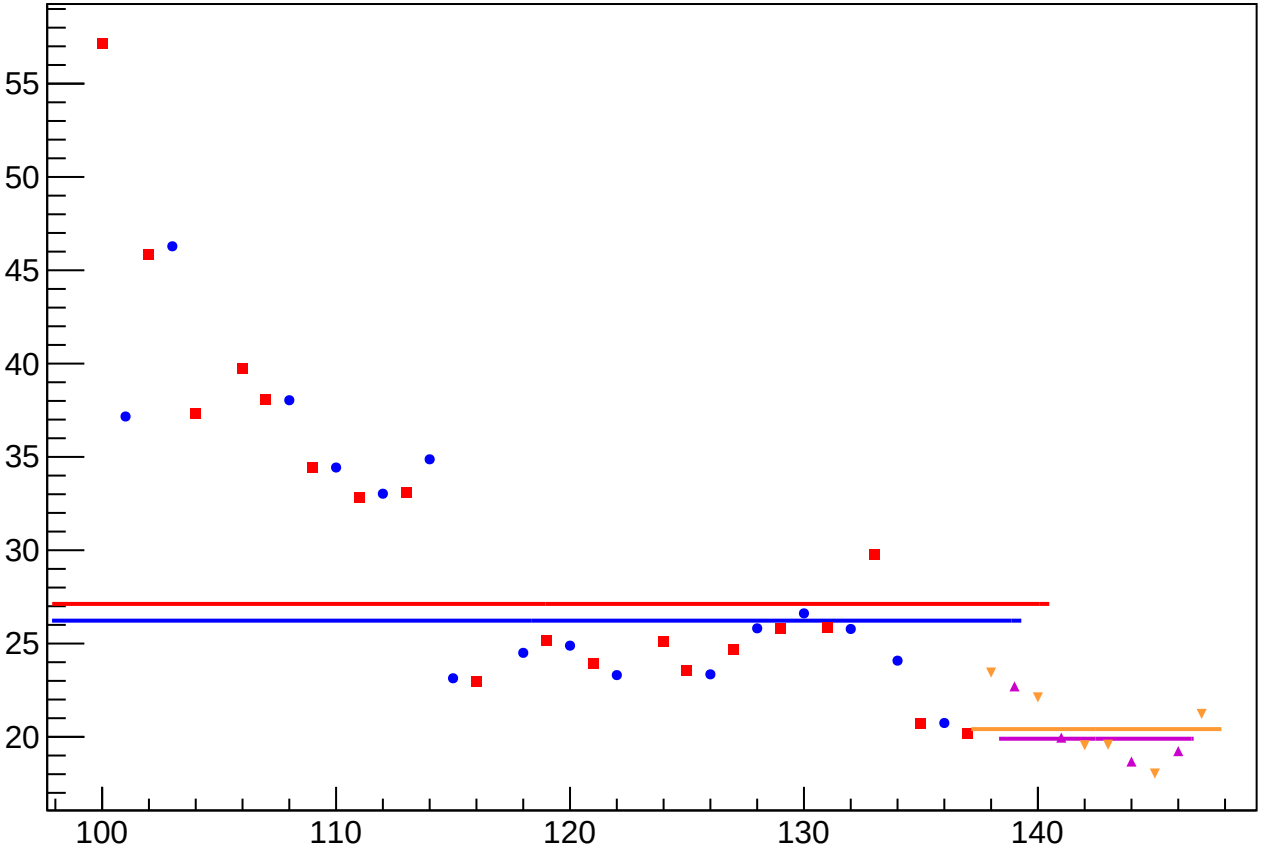
Left In: 8.260+/-10.659 χ^2/NDF:4.2/3

+ sign -0.351+/-6.969 χ^2/NDF: 25.6/21

All: 5.415+/-5.072 χ^2/NDF: 49.4/44

- sign 11.907+/-7.395 χ^2/NDF: 22.4/22

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

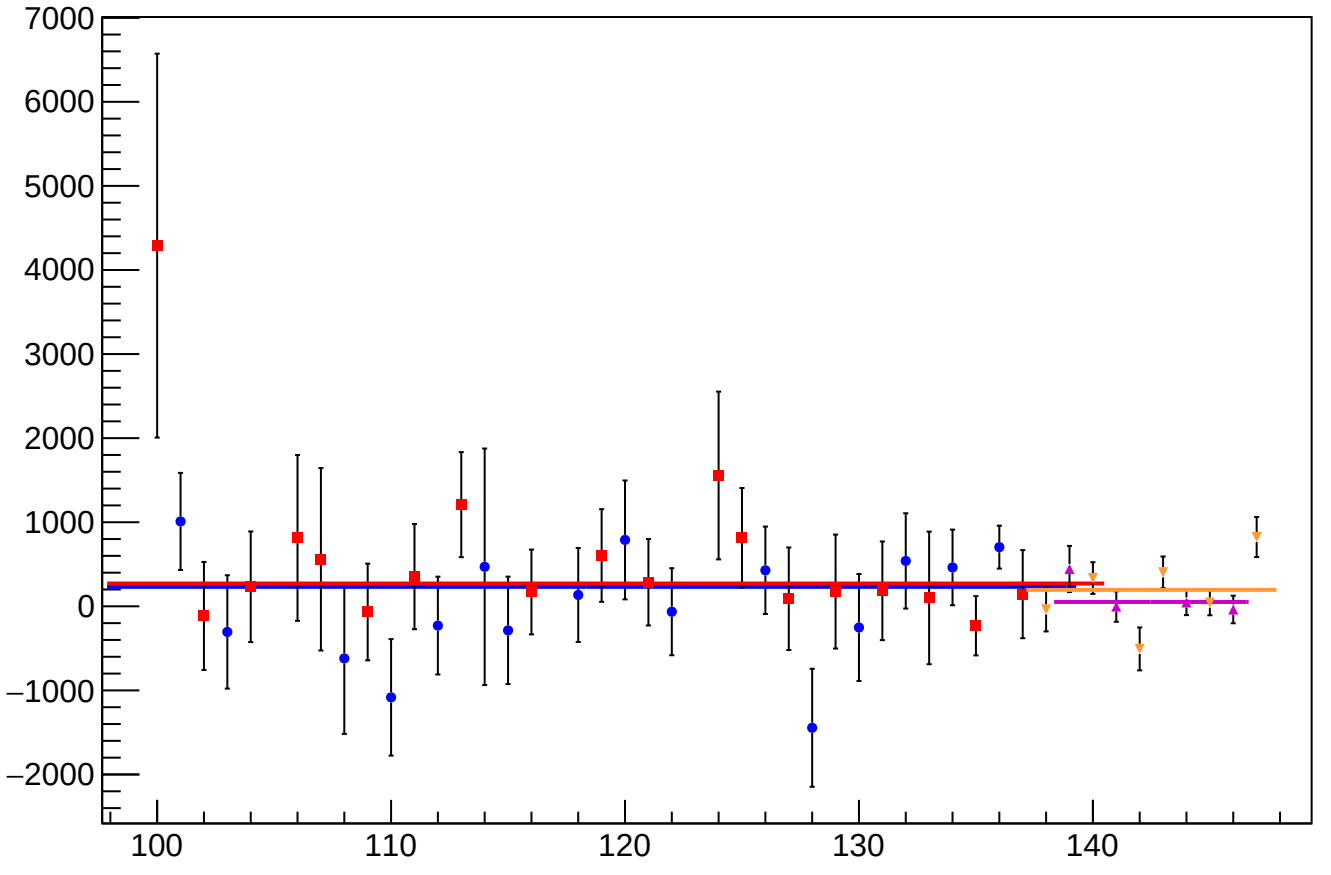
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.212+/-0.005 χ^2/NDF: 1093846.2/21

All: 23.416+/-0.004 χ^2/NDF: 2354987.3/44

- sign 23.647+/-0.005 χ^2/NDF: 1257480.6/22



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

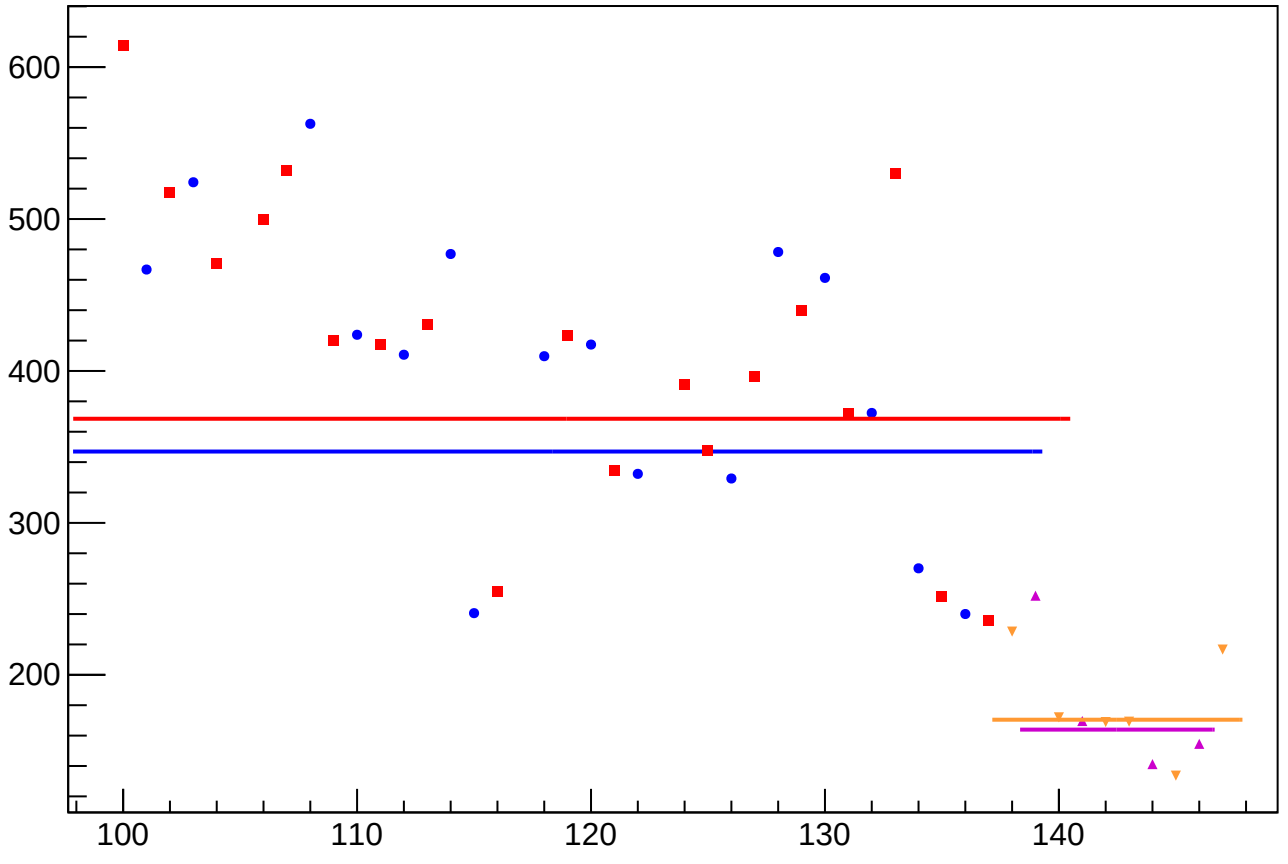
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.666+/-89.512 χ^2/NDF:2.4/3

+ sign 205.349+/-70.112 χ^2/NDF: 37.8/21

All: 163.625+/-51.358 χ^2/NDF: 54.4/44

- sign 115.313+/-75.444 χ^2/NDF: 15.8/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

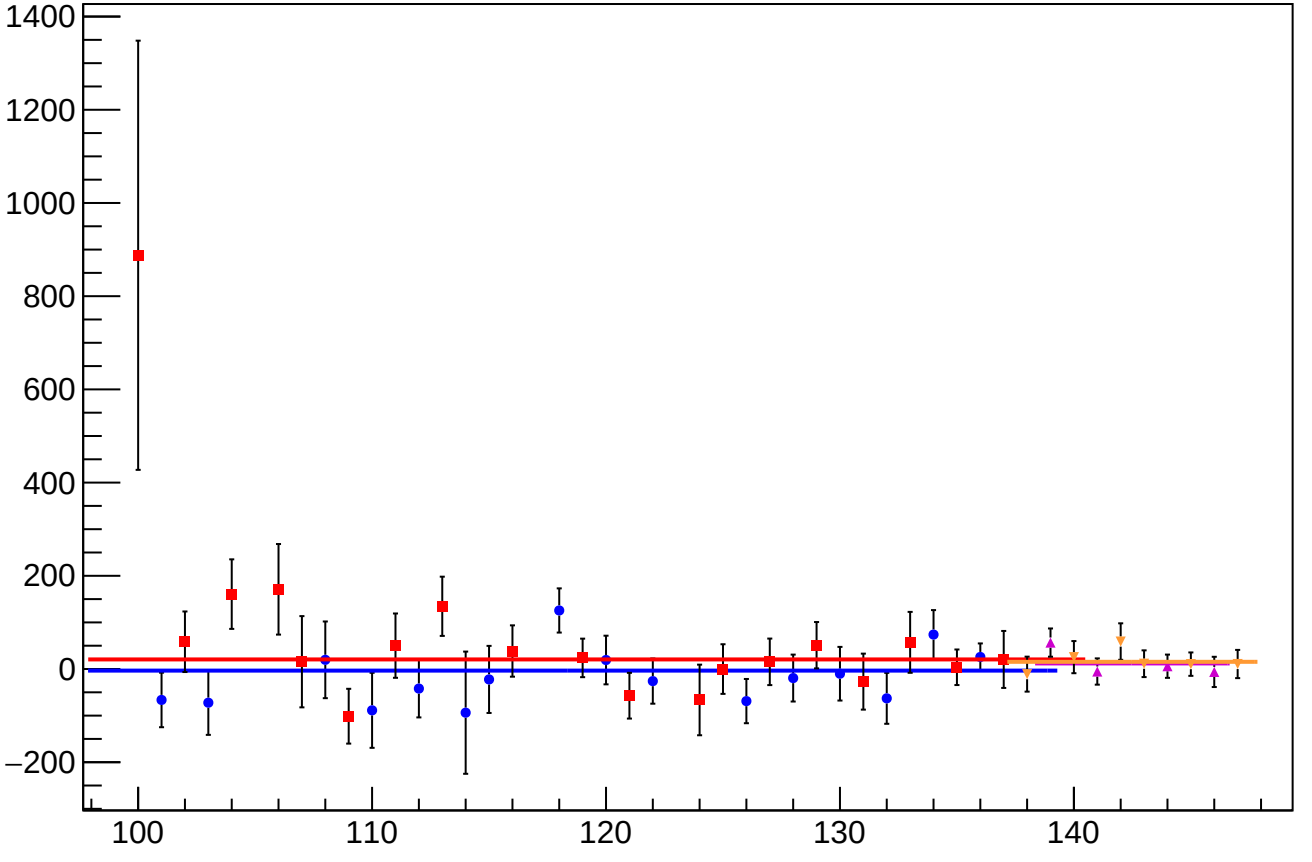
Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

+ sign 218.161+/-0.050 χ^2/NDF: 3851887.5/21

All: 220.496+/-0.036 χ^2/NDF: 8043556.2/44

- sign 223.200+/-0.053 χ^2/NDF: 4186880.9/22

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

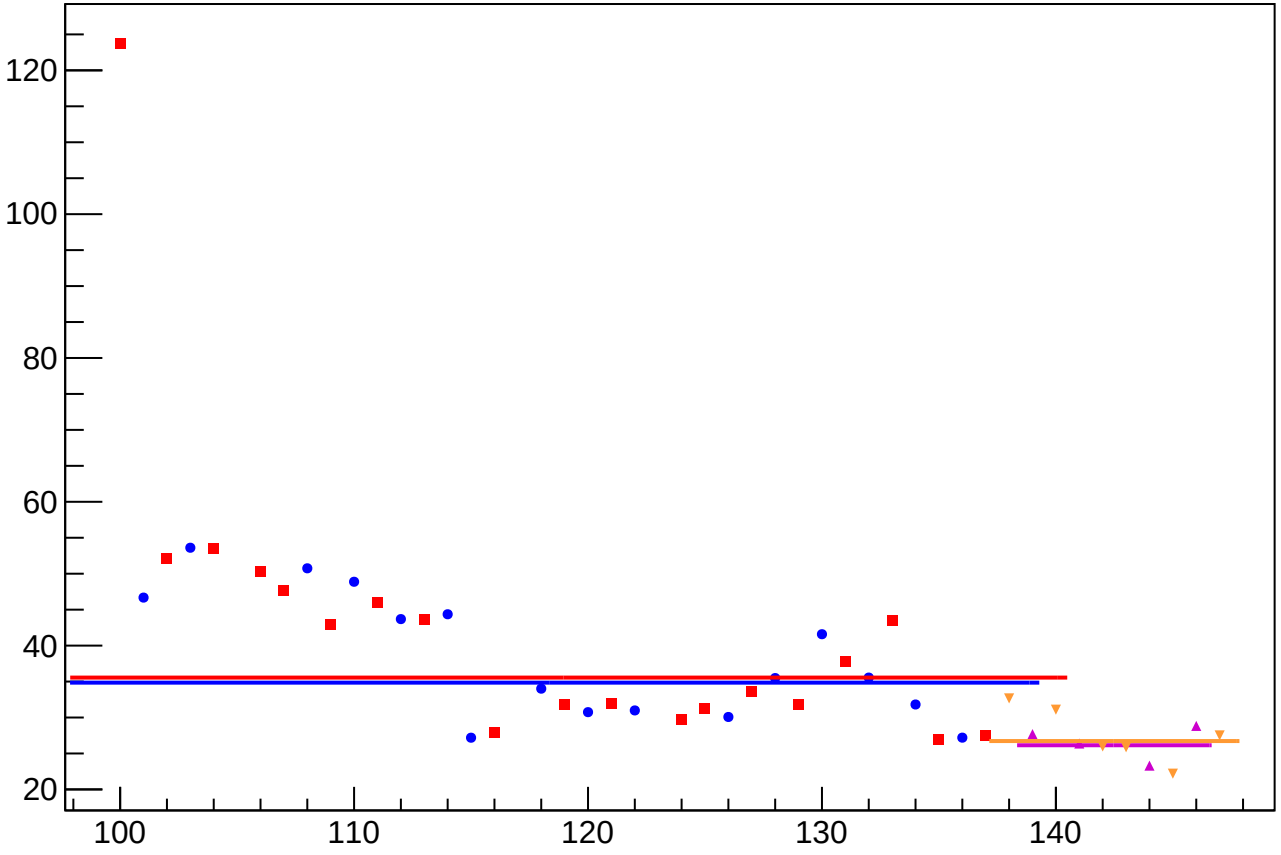
Left In: 11.963+/-14.282 χ^2/NDF:2.9/3

+ sign 6.426+/-9.256 χ^2/NDF: 21.4/21

All: 11.183+/-6.729 χ^2/NDF: 48.2/44

- sign 16.516+/-9.801 χ^2/NDF: 26.3/22

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151250.9/5

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

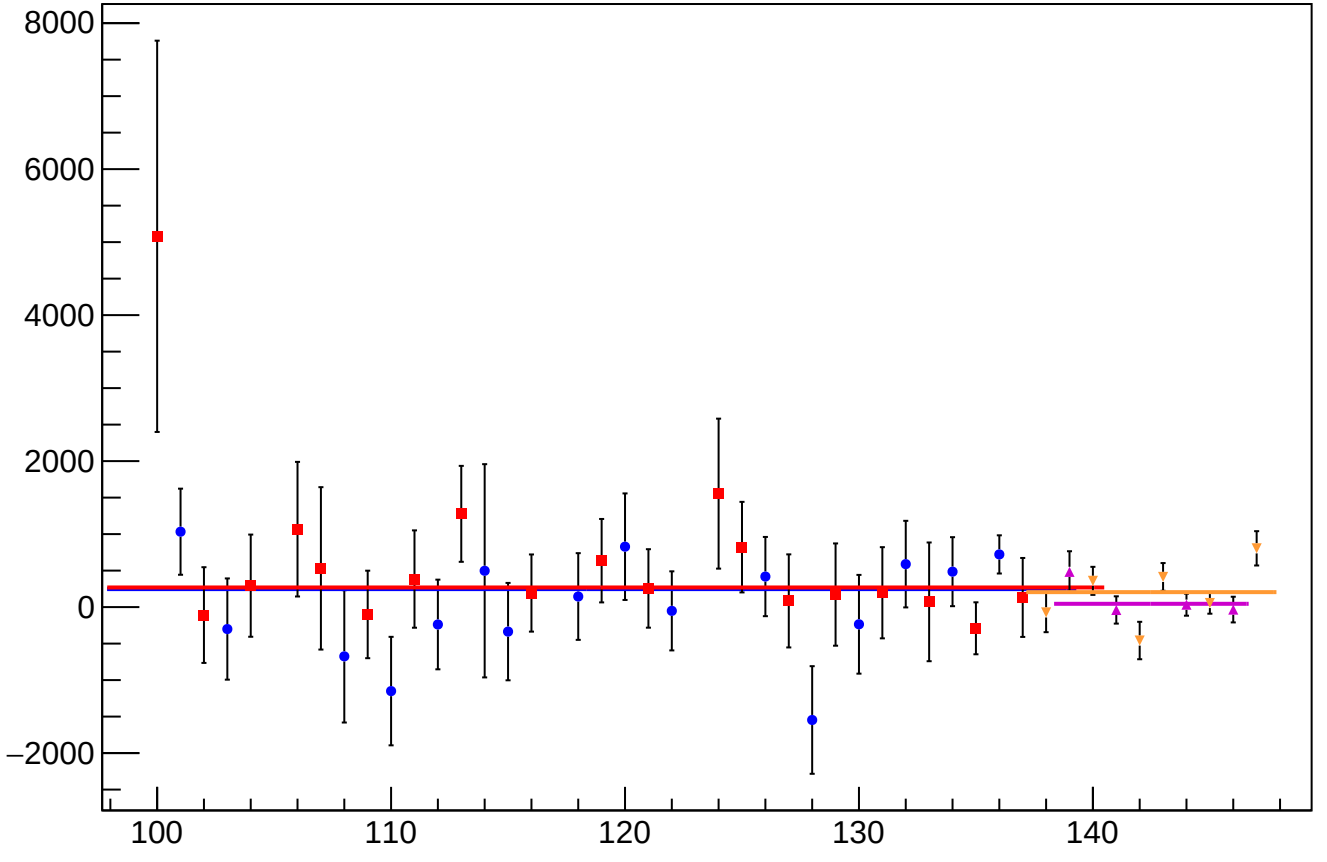
Left In: 26.143+/-0.010 χ^2/NDF:44932.3/3

+ sign 30.607+/-0.007 χ^2/NDF: 1193810.1/21

All: 30.850+/-0.005 χ^2/NDF: 2480836.7/44

- sign 31.121+/-0.007 χ^2/NDF: 1284113.9/22

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 204.997+/-82.067 χ^2/NDF:17.1/5

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

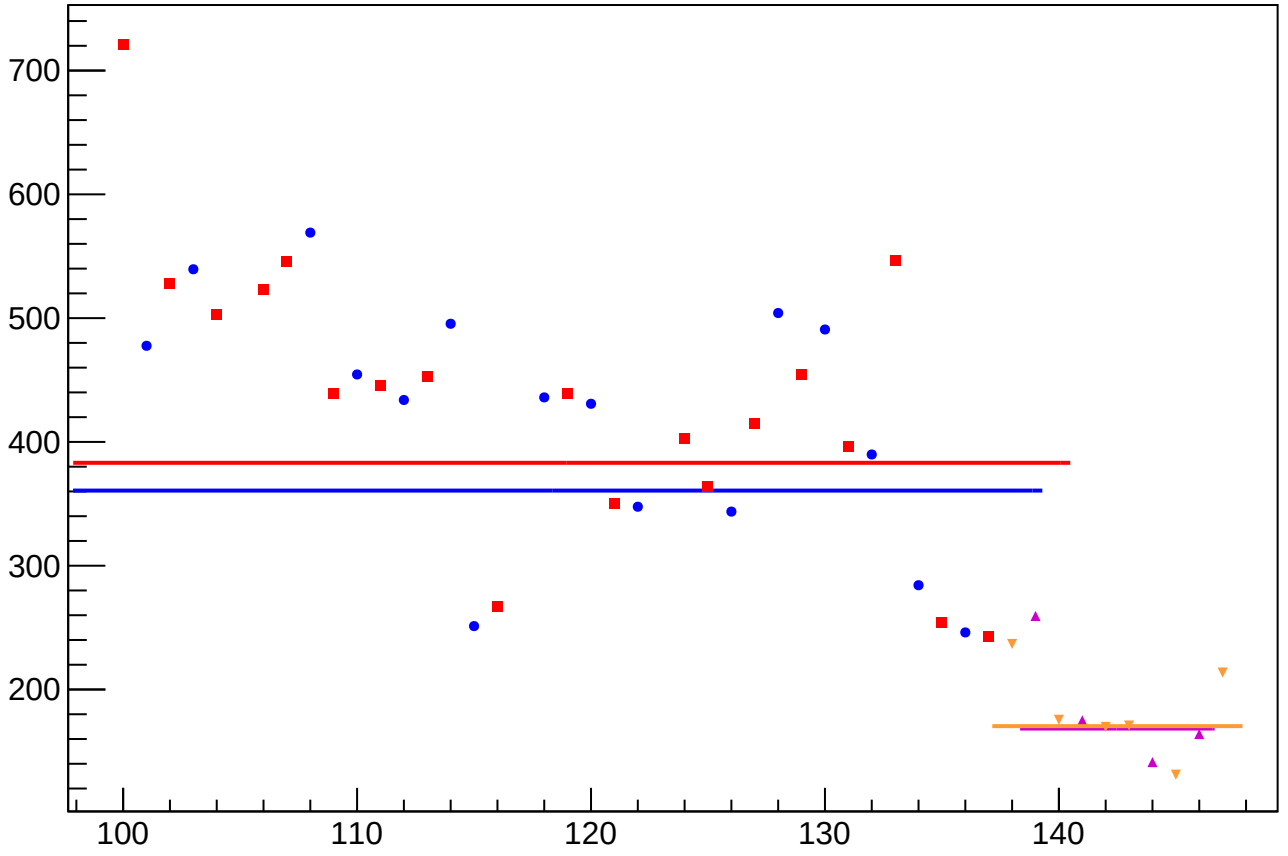
Left In: 45.097+/-92.324 χ^2/NDF:2.8/3

\+ sign 215.582+/-70.835 χ^2/NDF: 37.0/21

All: 167.572+/-52.415 χ^2/NDF: 55.1/44

\- sign 109.473+/-77.923 χ^2/NDF: 17.1/22

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 170.403+/-0.058 χ^2/NDF:332874.1/5

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

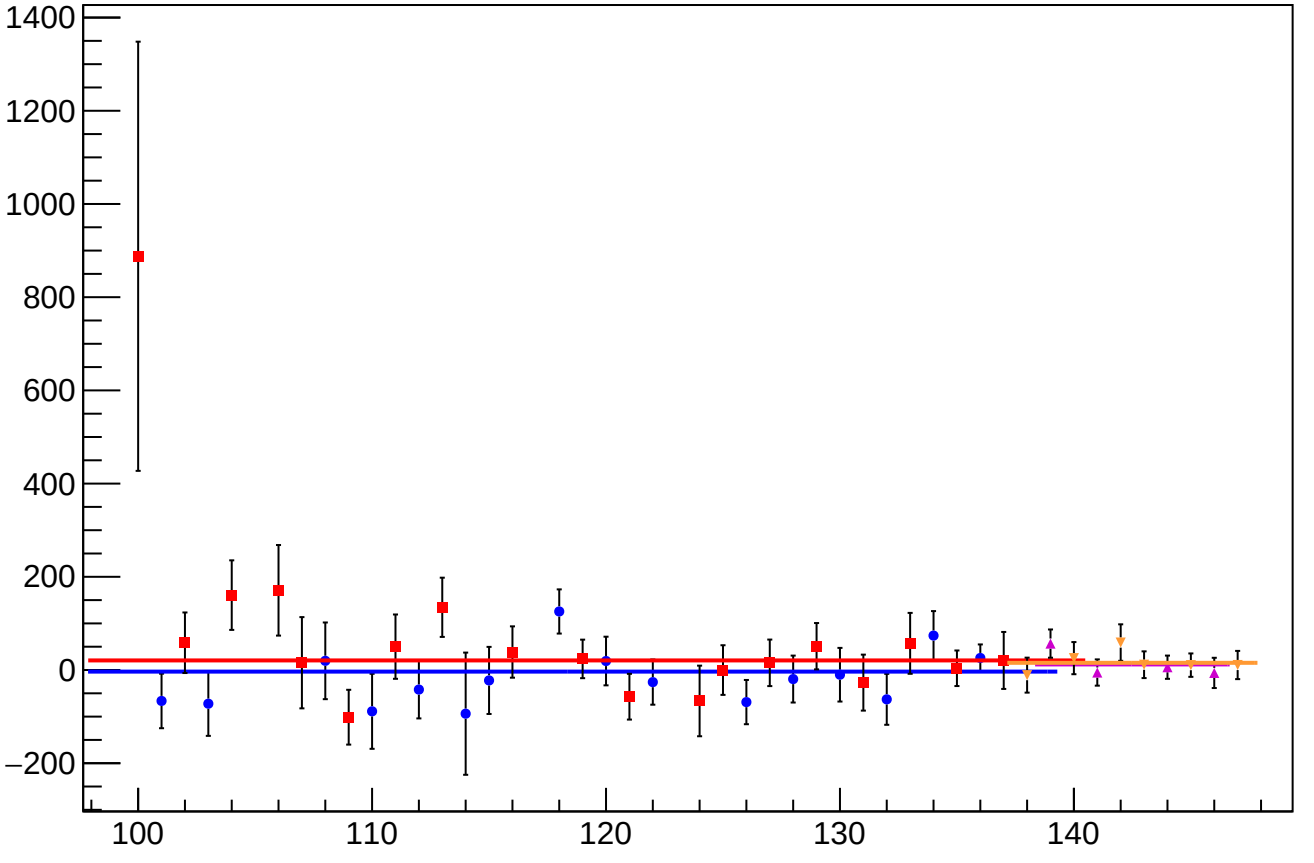
Left In: 168.451+/-0.065 χ^2/NDF:275723.8/3

+ sign 218.926+/-0.050 χ^2/NDF: 4167577.0/21

All: 224.027+/-0.037 χ^2/NDF: 8539757.1/44

- sign 230.200+/-0.055 χ^2/NDF: 4349259.2/22

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

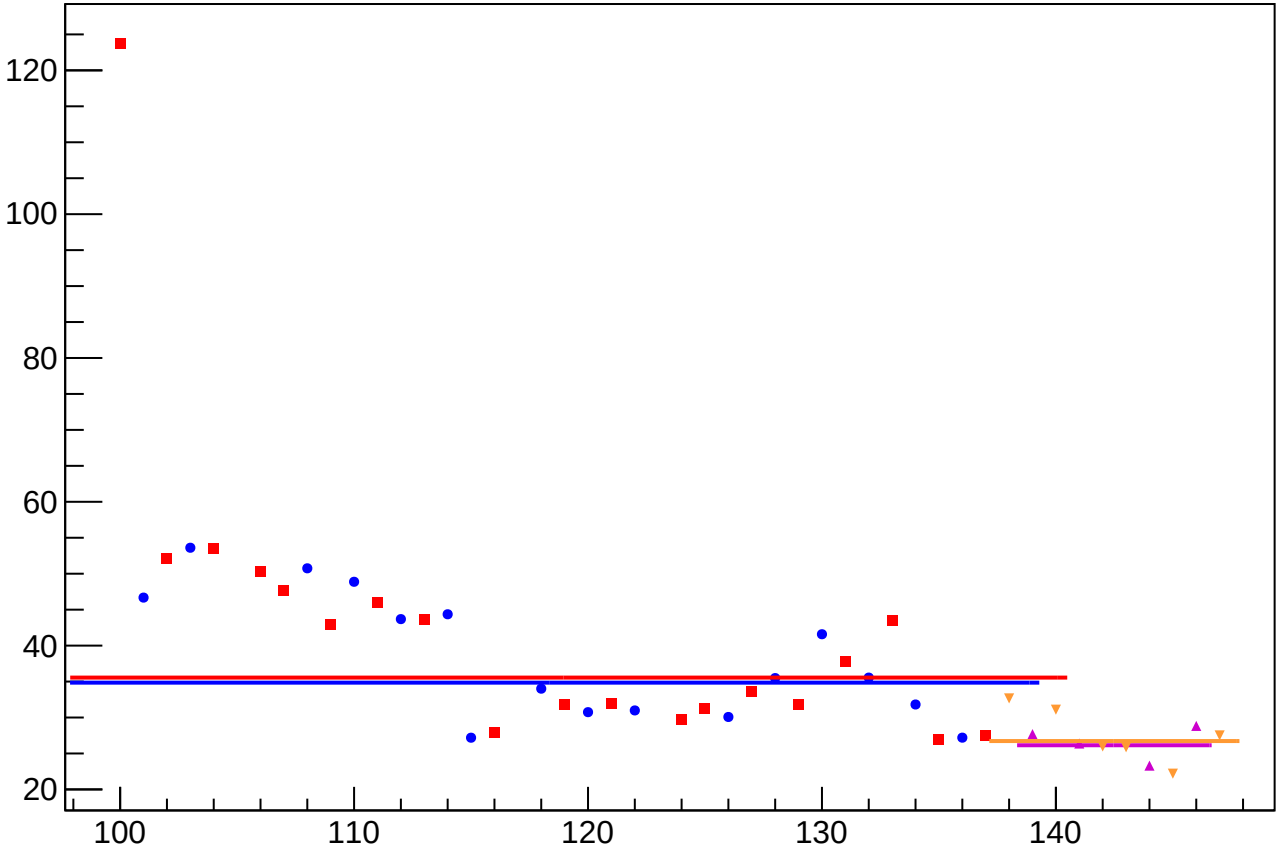
Left In: 11.963+/-14.282 χ^2/NDF:2.9/3

+ sign 6.426+/-9.256 χ^2/NDF: 21.4/21

All: 11.182+/-6.729 χ^2/NDF: 48.2/44

- sign 16.516+/-9.801 χ^2/NDF: 26.3/22

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151233.8/5

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

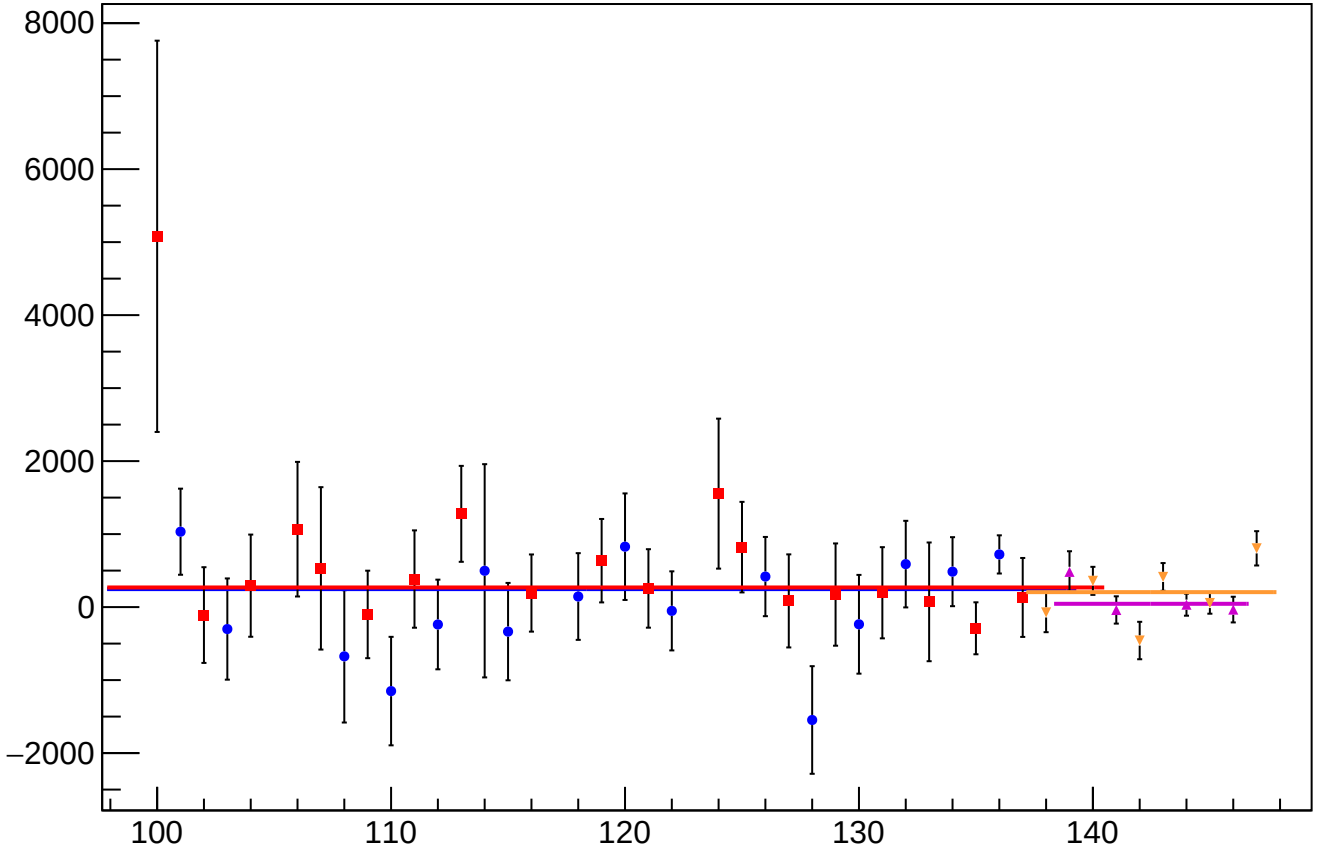
Left In: 26.143+/-0.010 χ^2/NDF:44927.6/3

+ sign 30.607+/-0.007 χ^2/NDF: 1193697.1/21

All: 30.849+/-0.005 χ^2/NDF: 2480659.3/44

- sign 31.121+/-0.007 χ^2/NDF: 1284049.7/22

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 204.997+/-82.066 χ^2/NDF:17.1/5

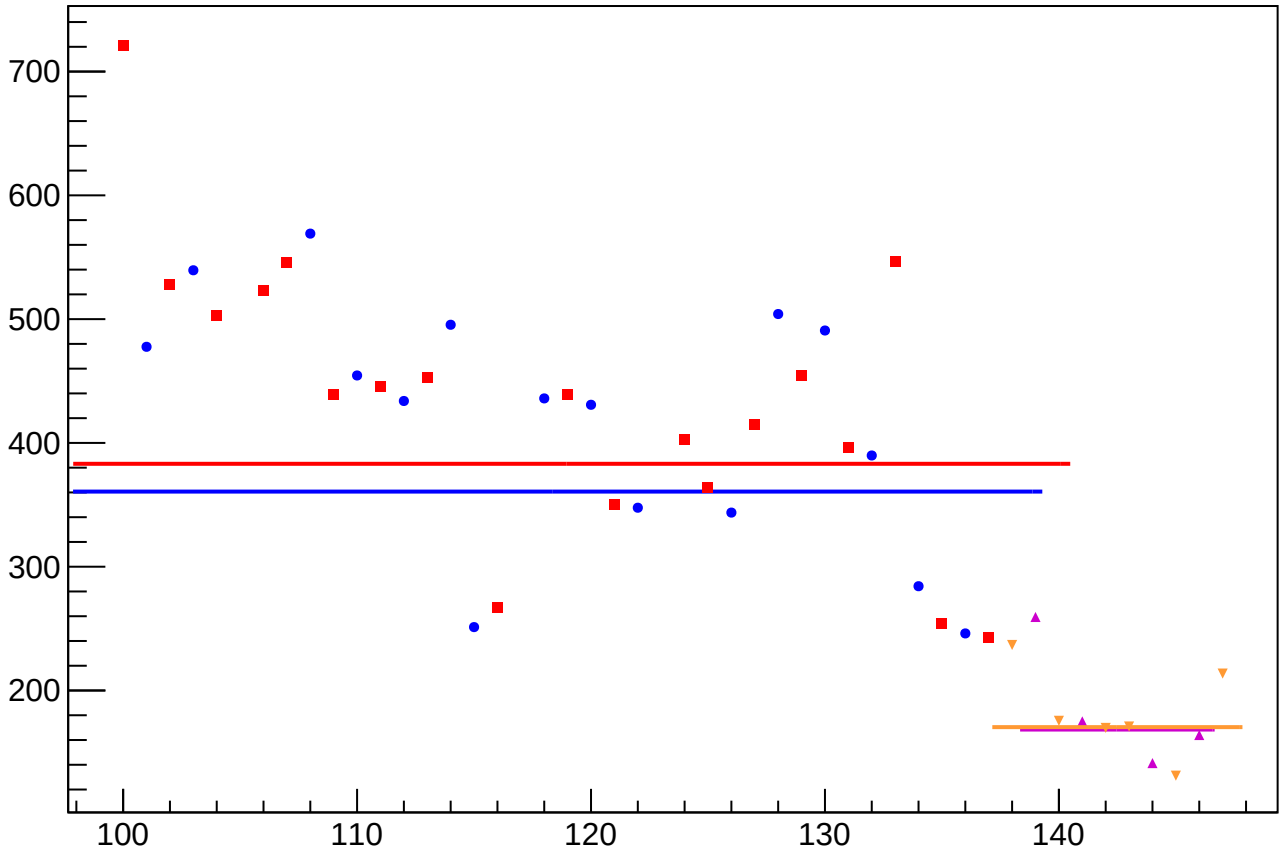
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 45.097+/-92.324 χ^2/NDF:2.8/3

+ sign 215.581+/-70.834 χ^2/NDF: 37.0/21

All: 167.572+/-52.415 χ^2/NDF: 55.1/44

- sign 109.473+/-77.923 χ^2/NDF: 17.1/22



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 170.402+/-0.058 χ^2/NDF:332878.5/5

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

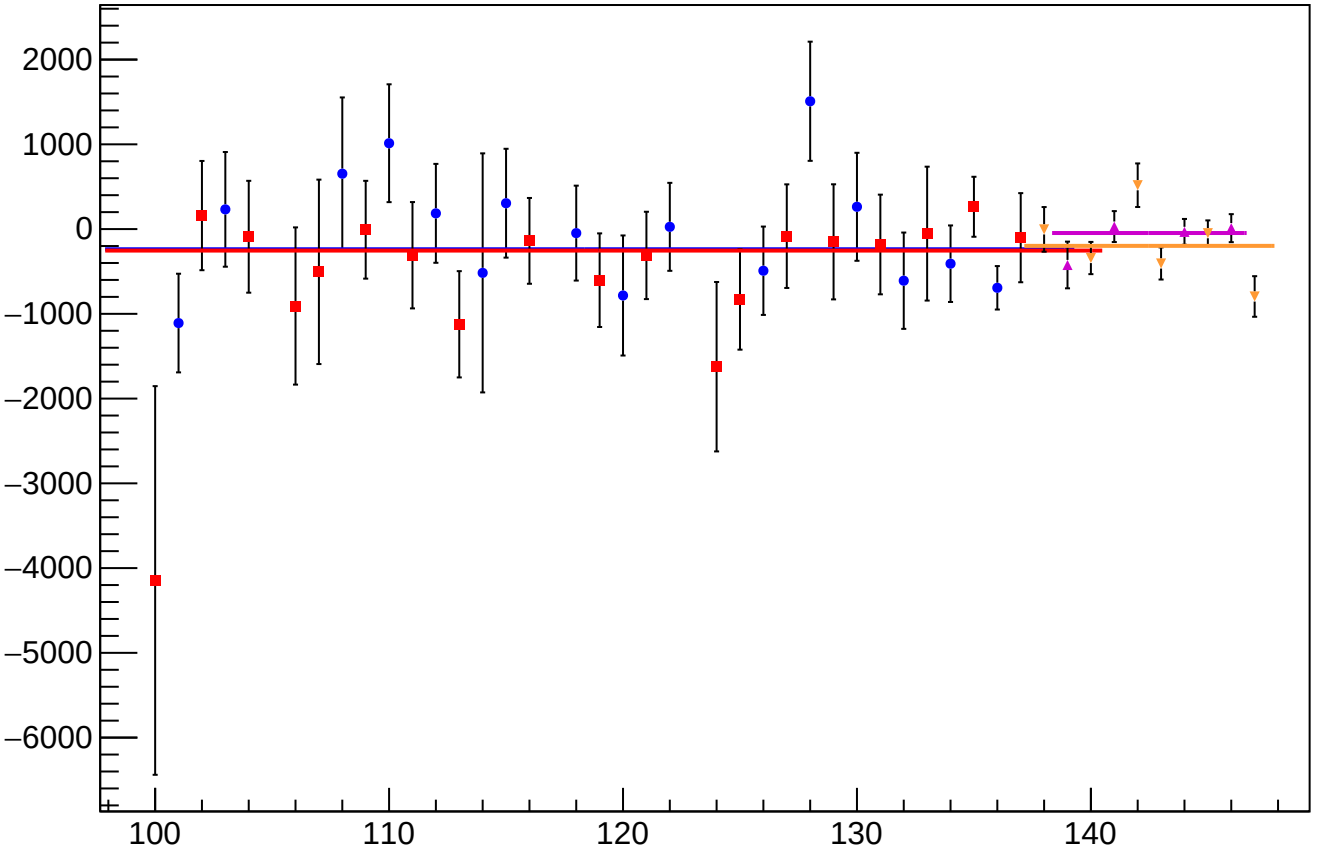
Left In: 168.451+/-0.065 χ^2/NDF:275719.9/3

+ sign 218.925+/-0.050 χ^2/NDF: 4167585.7/21

All: 224.026+/-0.037 χ^2/NDF: 8539762.7/44

- sign 230.199+/-0.055 χ^2/NDF: 4349254.9/22

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -198.033+/-82.687 χ^2/NDF:17.3/5

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

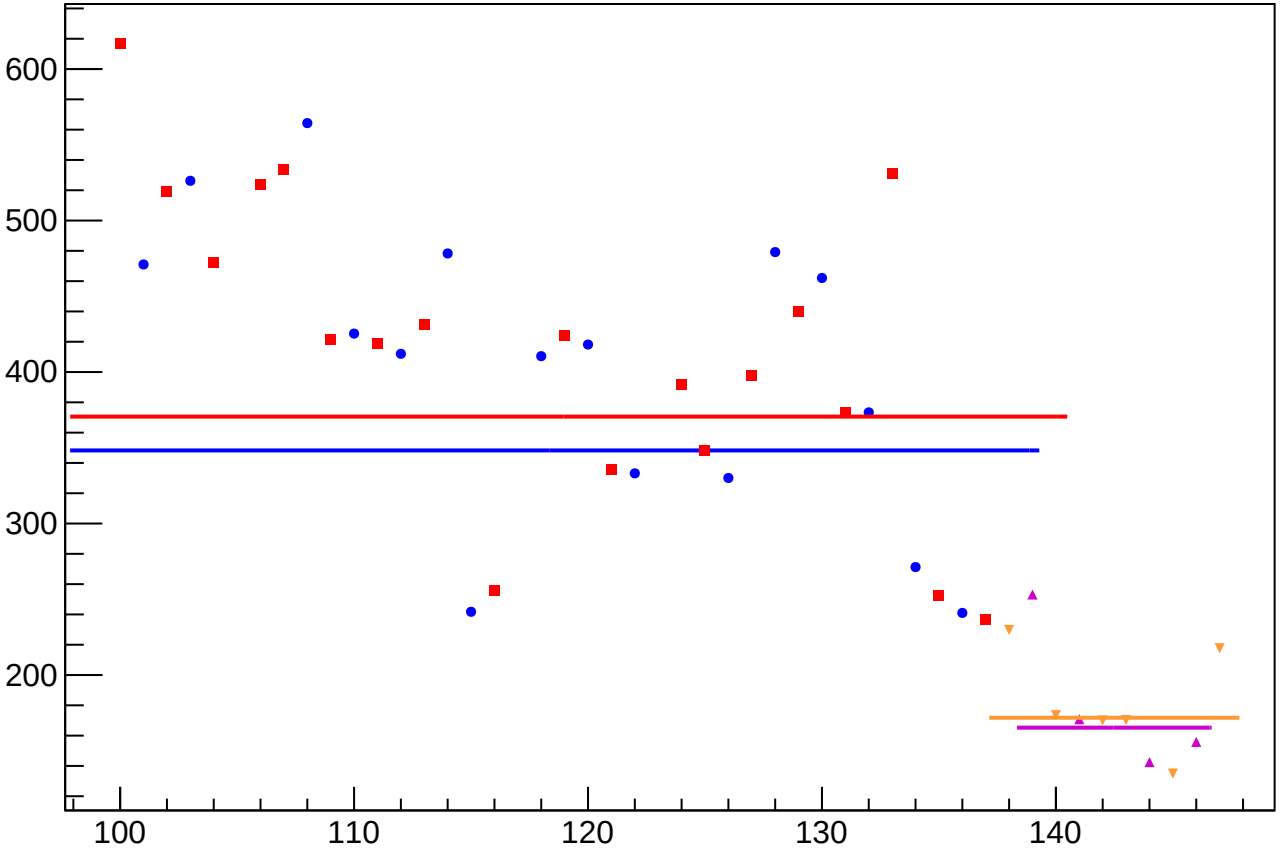
Left In: -46.385+/-90.204 χ^2/NDF:2.2/3

+ sign -208.907+/-70.562 χ^2/NDF: 37.3/21

All: -161.601+/-51.677 χ^2/NDF: 53.6/44

- sign -106.875+/-75.893 χ^2/NDF: 15.4/22

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 171.799+/-0.058 χ^2/NDF:289501.4/5

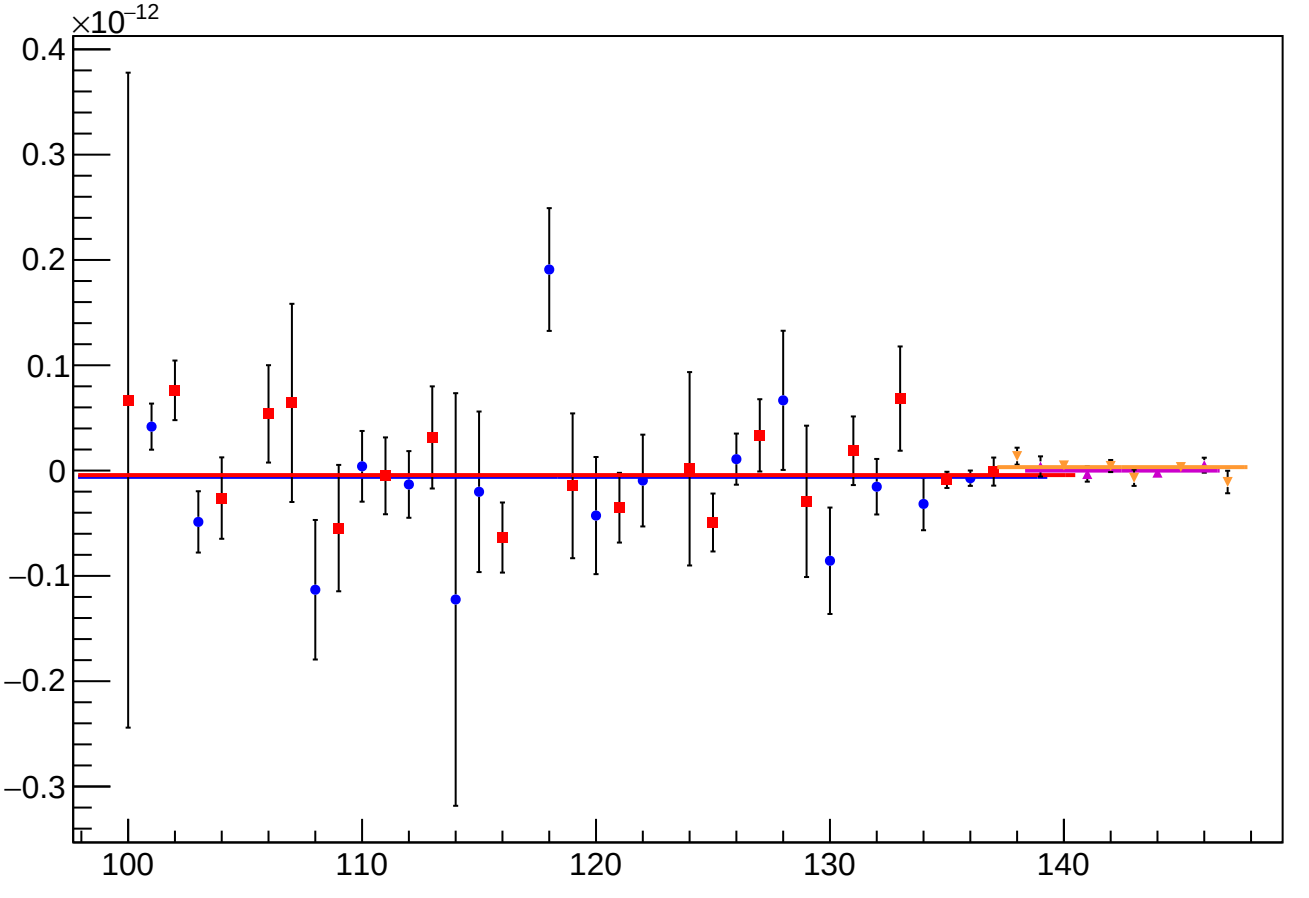
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 165.267+/-0.064 χ^2/NDF:256329.9/3

+ sign 219.756+/-0.050 χ^2/NDF: 3821698.3/21

All: 222.303+/-0.037 χ^2/NDF: 8028566.7/44

- sign 225.248+/-0.054 χ^2/NDF: 4201251.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/5

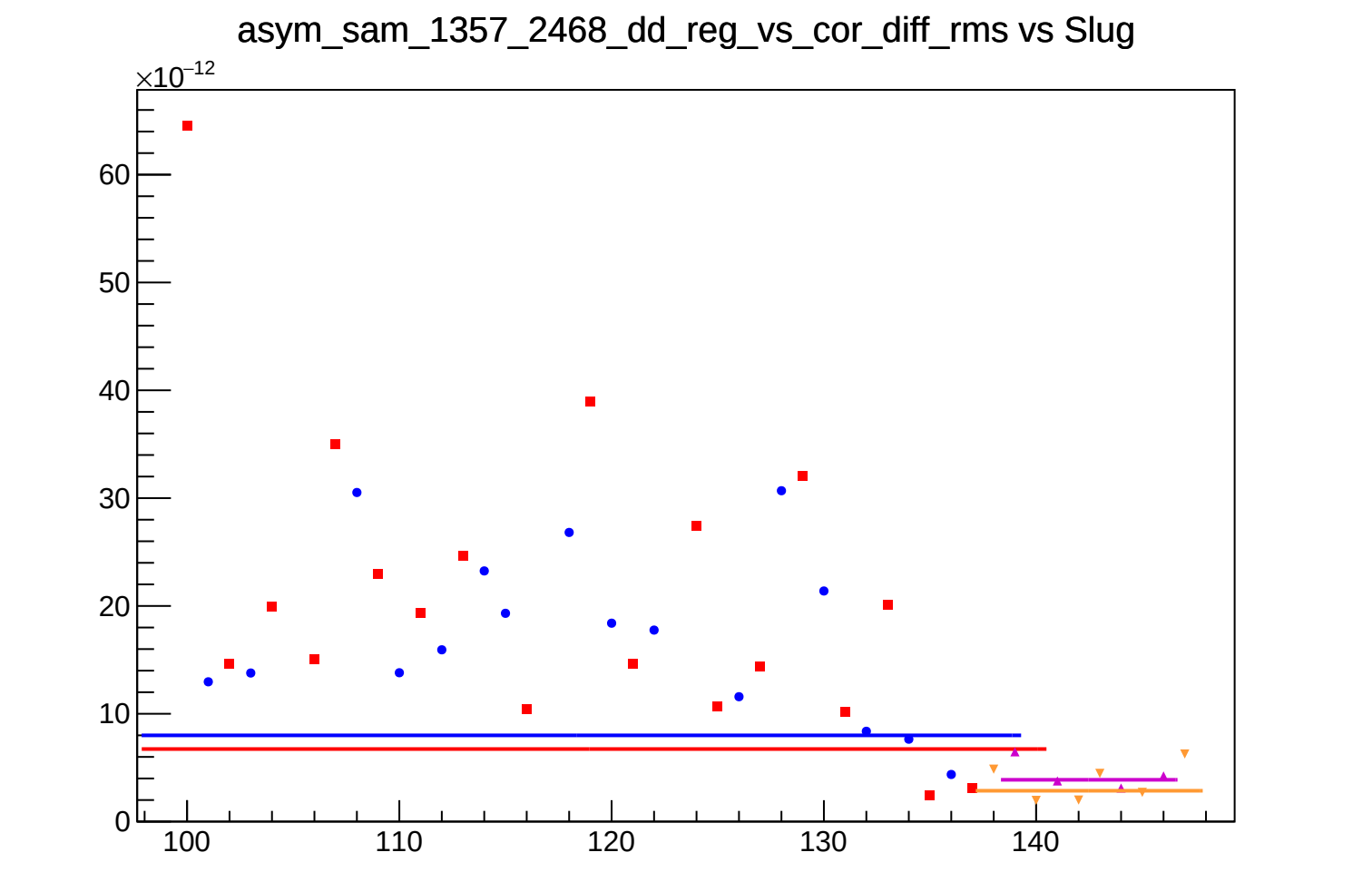
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 34.9/21

All: 0.000+/-0.000 χ^2/NDF: 60.0/44

- sign -0.000+/-0.000 χ^2/NDF: 24.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:558976.2/5

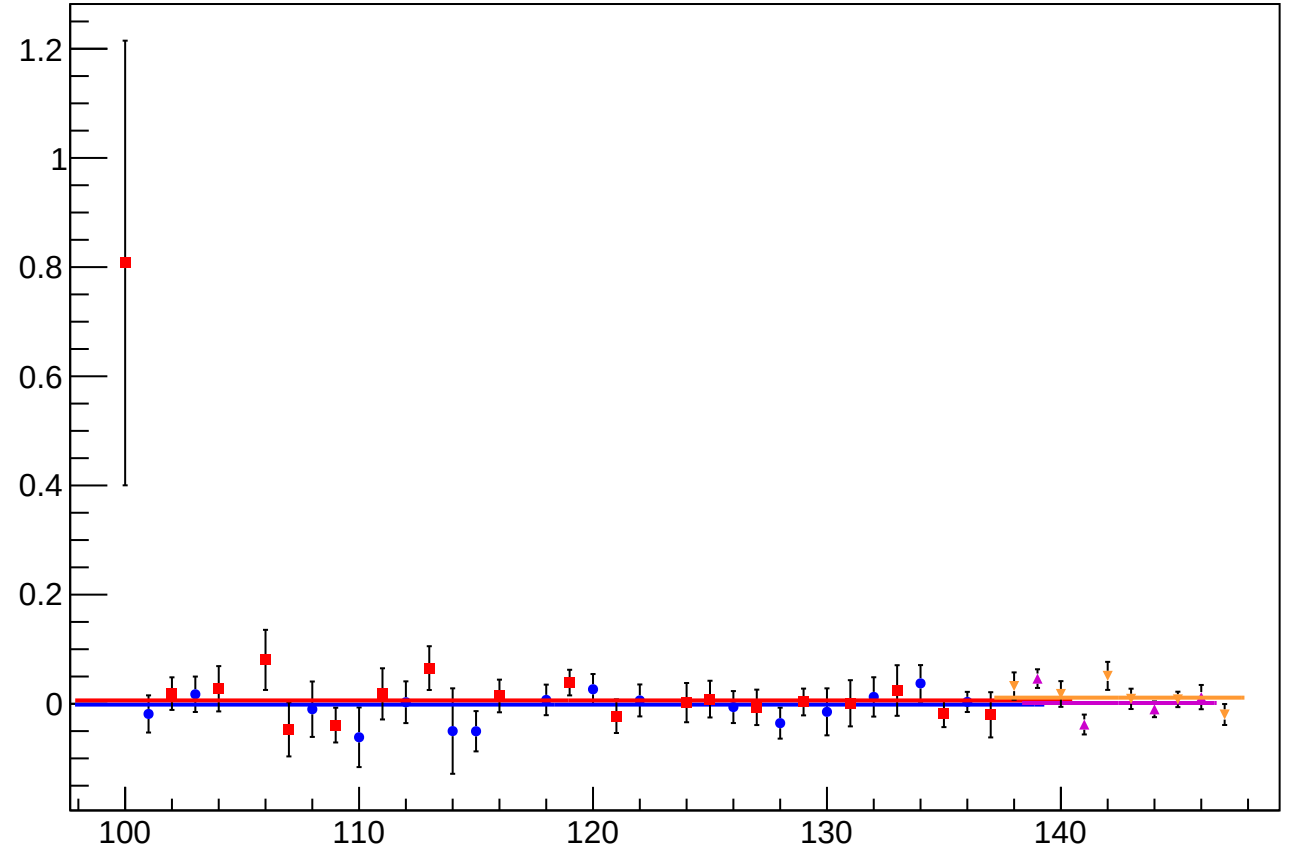
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:203486.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3900195.6/21

All: 0.000+/-0.000 χ^2/NDF: 8030856.3/44

- sign 0.000+/-0.000 χ^2/NDF: 3974362.0/22



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

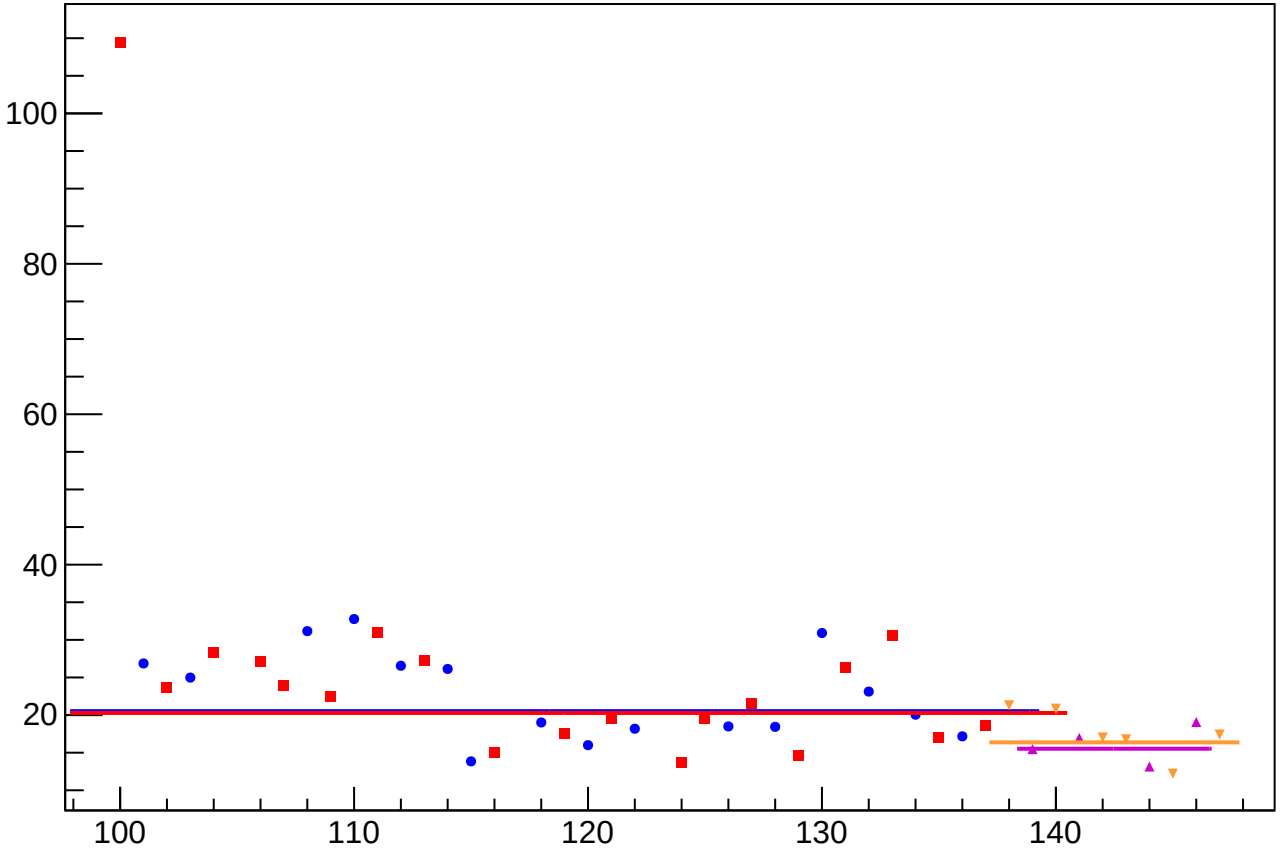
Left In: 0.001+/-0.009 χ^2/NDF:12.4/3

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.005+/-0.004 χ^2/NDF: 44.2/44

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.371+/-0.006 χ^2/NDF:332265.3/5

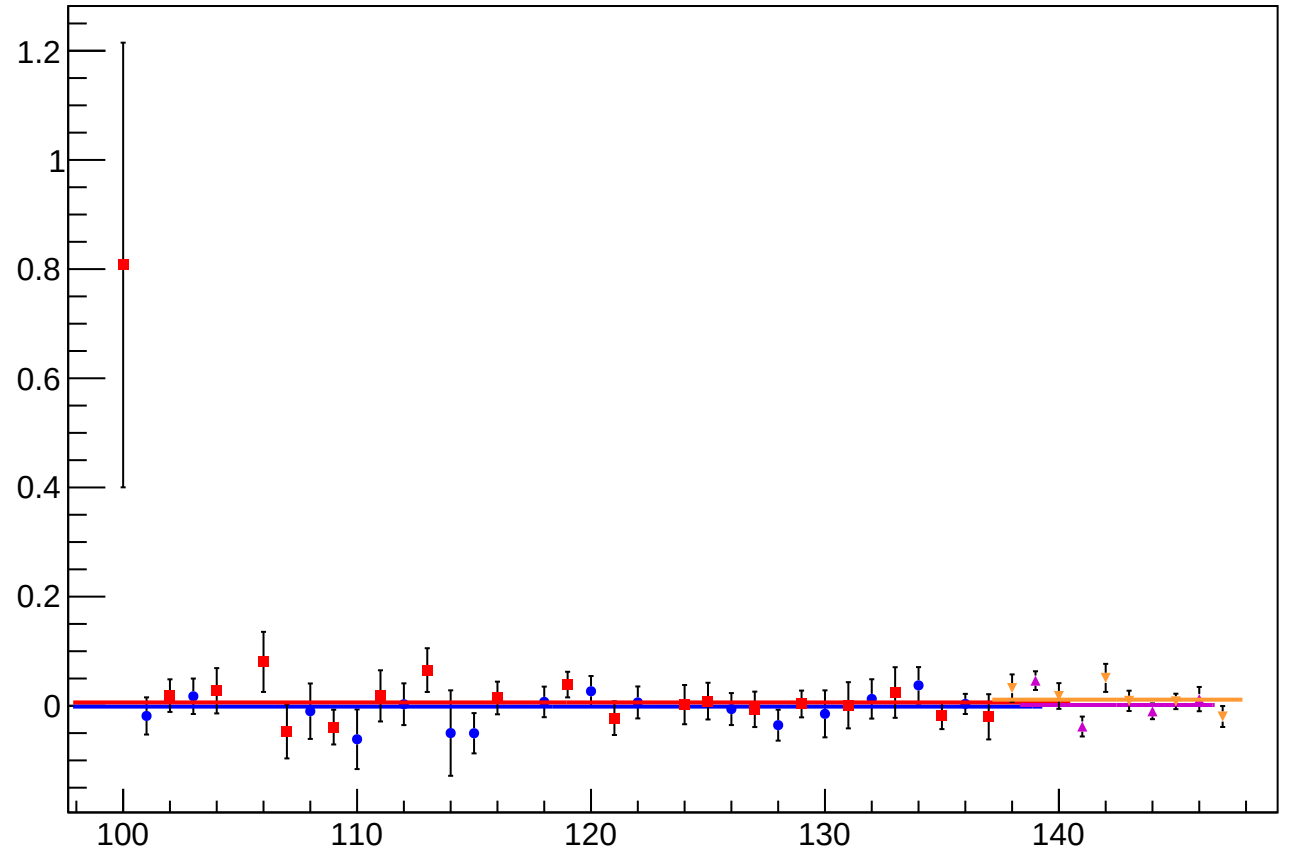
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

+ sign 18.437+/-0.004 χ^2/NDF: 1304690.5/21

All: 18.288+/-0.003 χ^2/NDF: 2618421.0/44

- sign 18.131+/-0.004 χ^2/NDF: 1310917.9/22



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

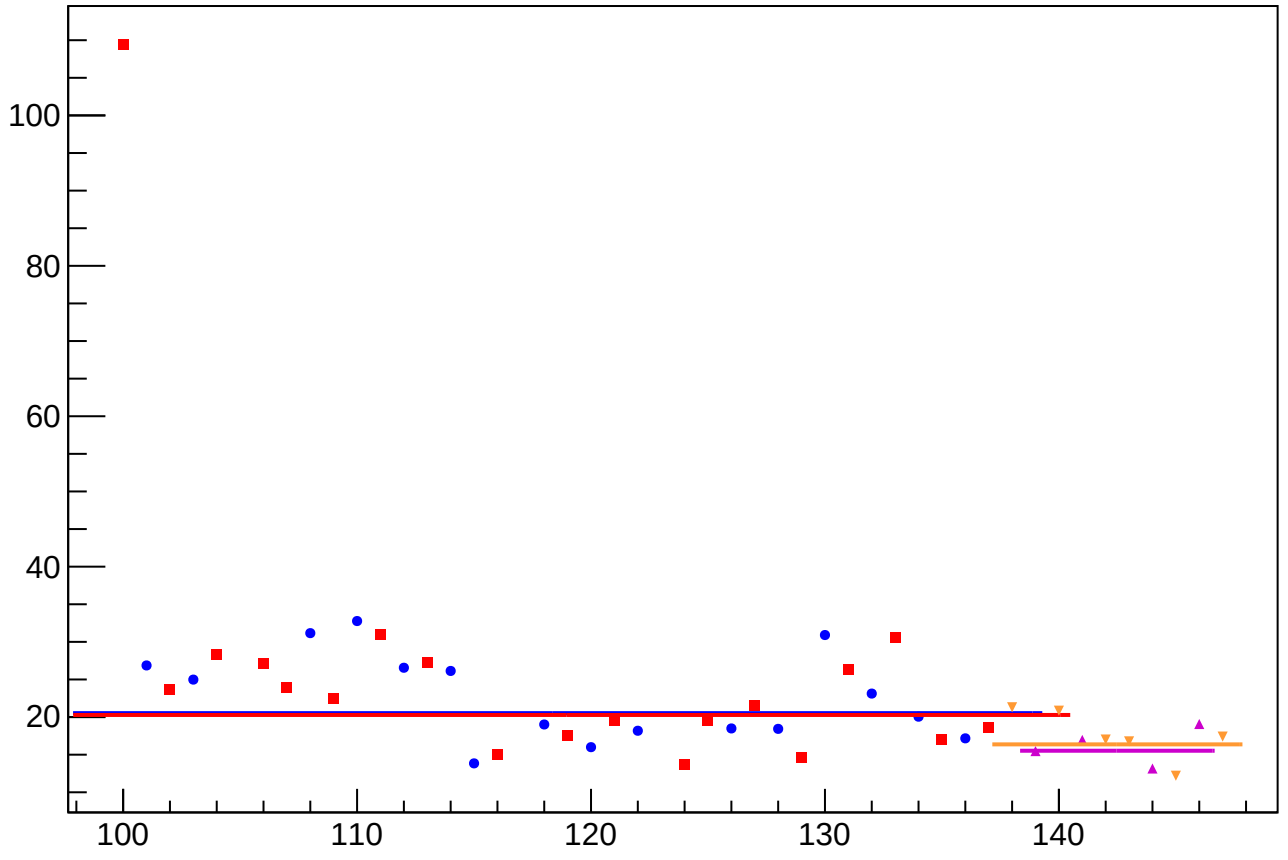
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.001+/-0.009 χ^2/NDF:12.4/3

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.005+/-0.004 χ^2/NDF: 44.2/44

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.371+/-0.006 χ^2/NDF:332265.3/5

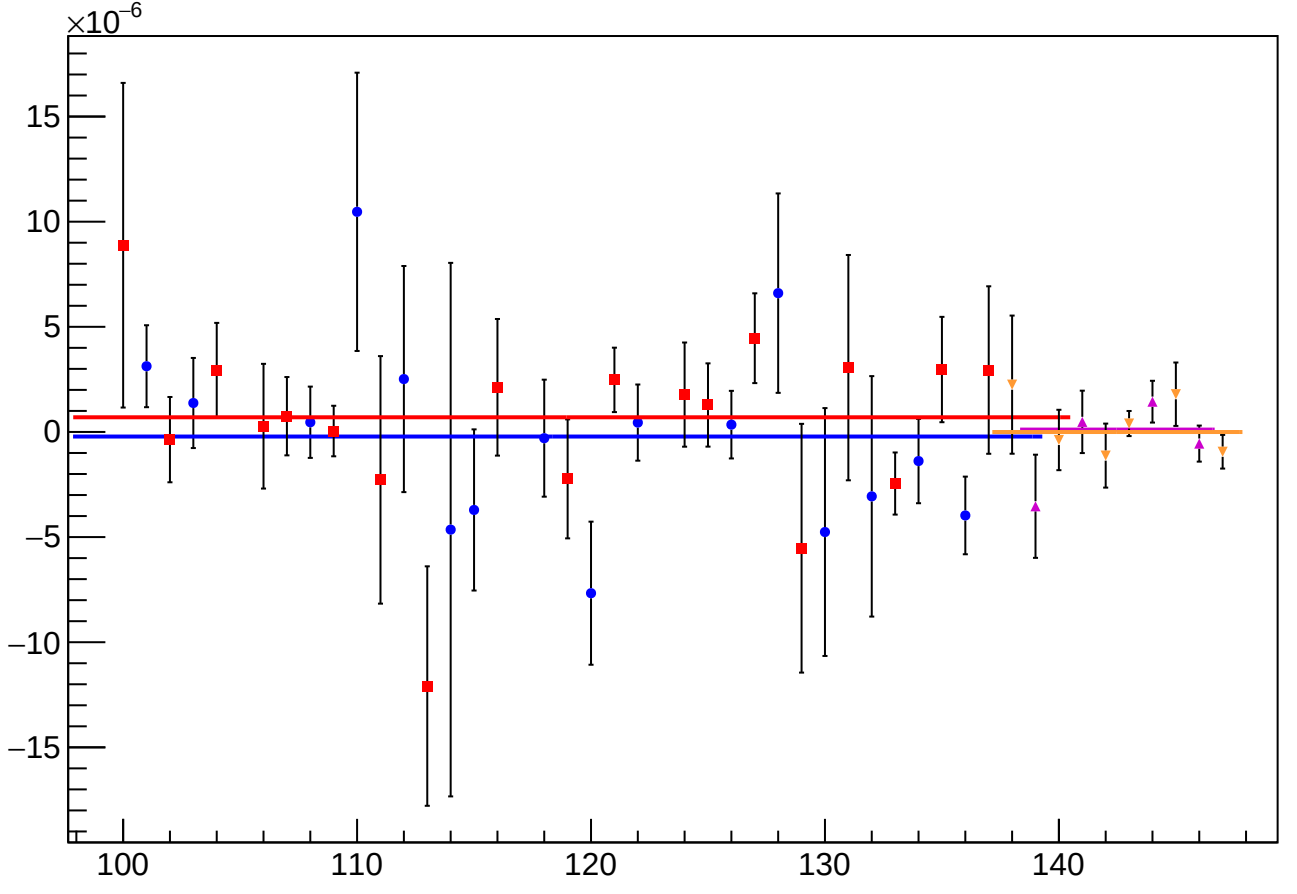
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

+ sign 18.437+/-0.004 χ^2/NDF: 1304690.5/21

All: 18.288+/-0.003 χ^2/NDF: 2618421.0/44

- sign 18.131+/-0.004 χ^2/NDF: 1310917.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/5

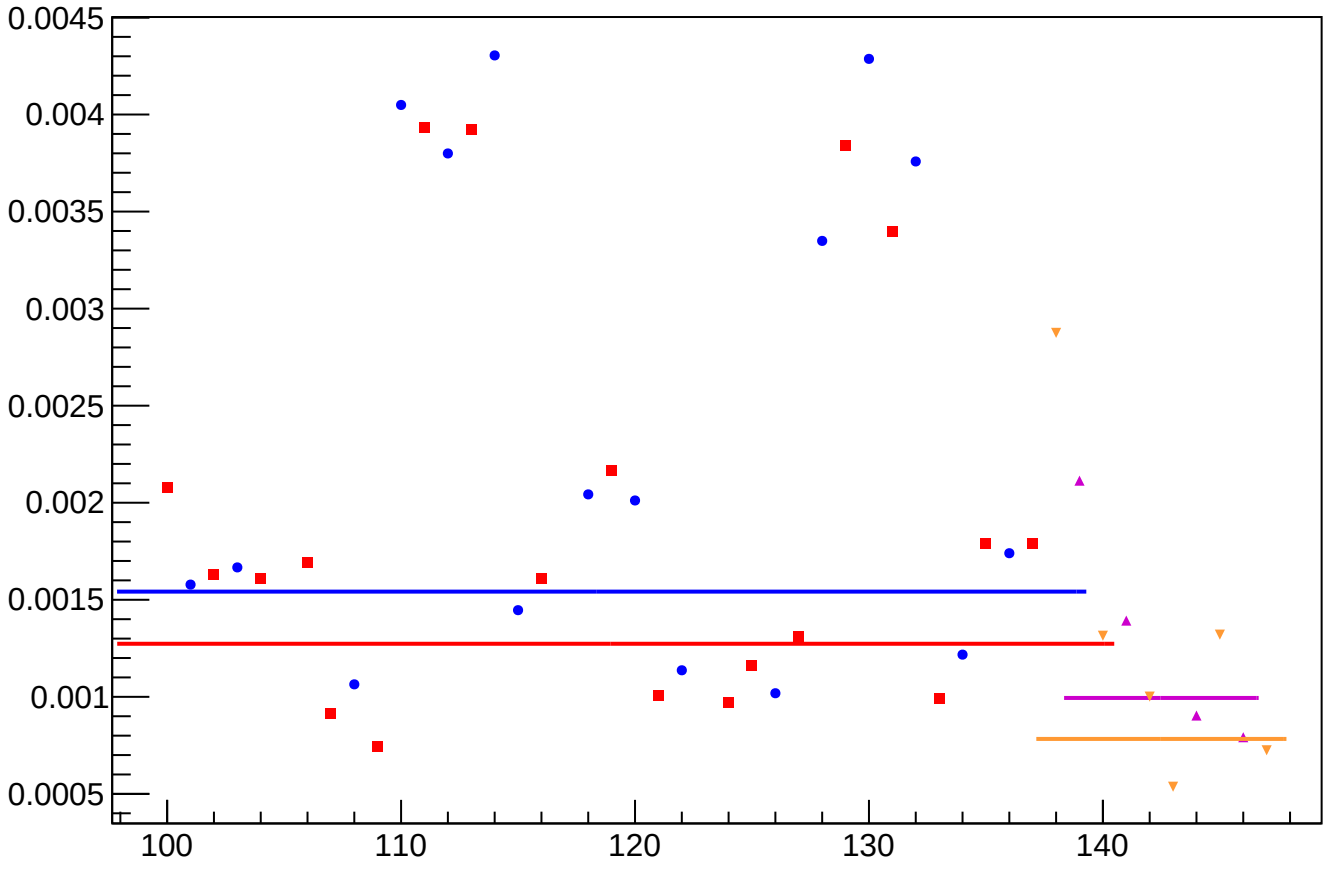
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/21

All: 0.000+/-0.000 χ^2/NDF: 51.5/44

- sign 0.000+/-0.000 χ^2/NDF: 26.2/22



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1731007.4/5

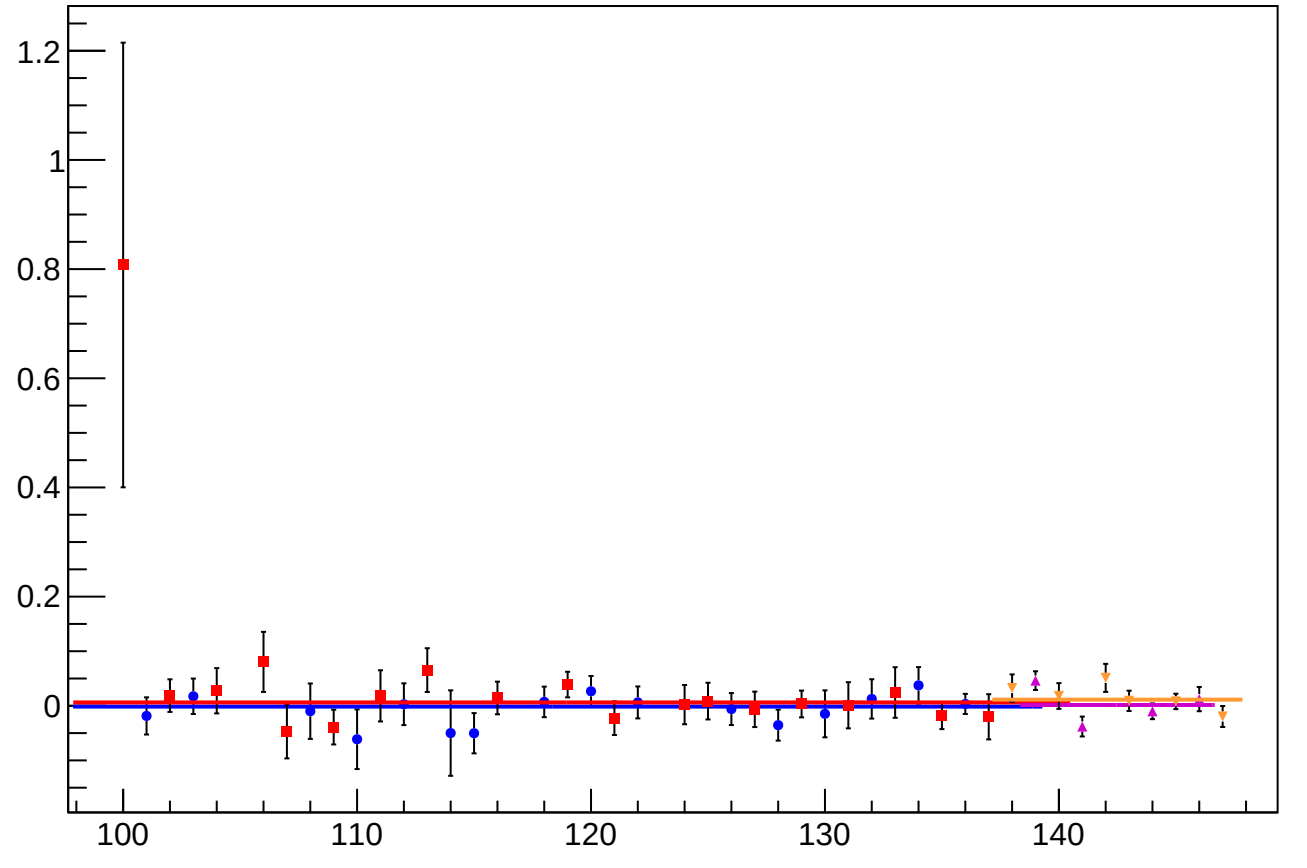
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:688677.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 6169568.2/21

All: 0.001+/-0.000 χ^2/NDF: 9916645.6/44

- sign 0.001+/-0.000 χ^2/NDF: 3612099.3/22



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

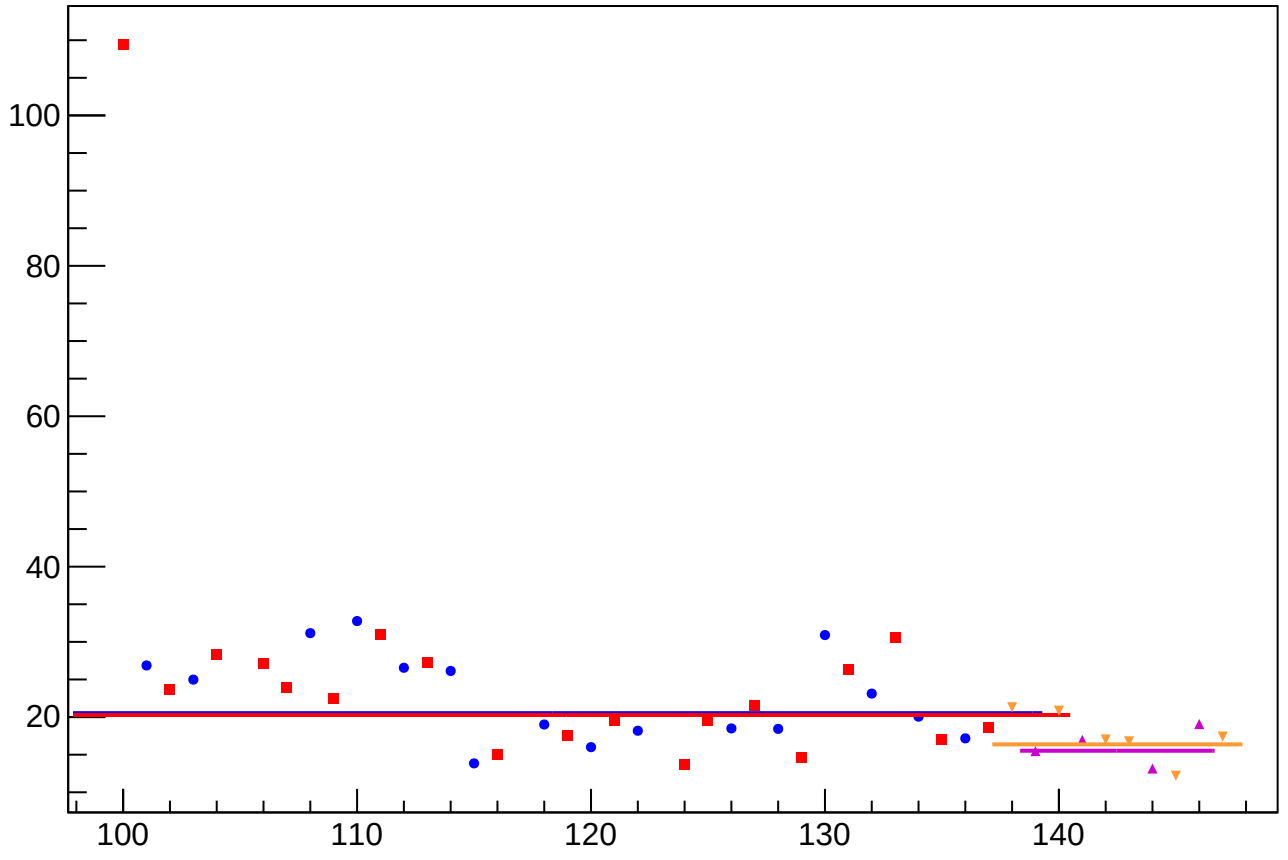
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.009 χ^2/NDF:12.4/3

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.005+/-0.004 χ^2/NDF: 44.2/44

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.371+/-0.006 χ^2/NDF:332194.7/5

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

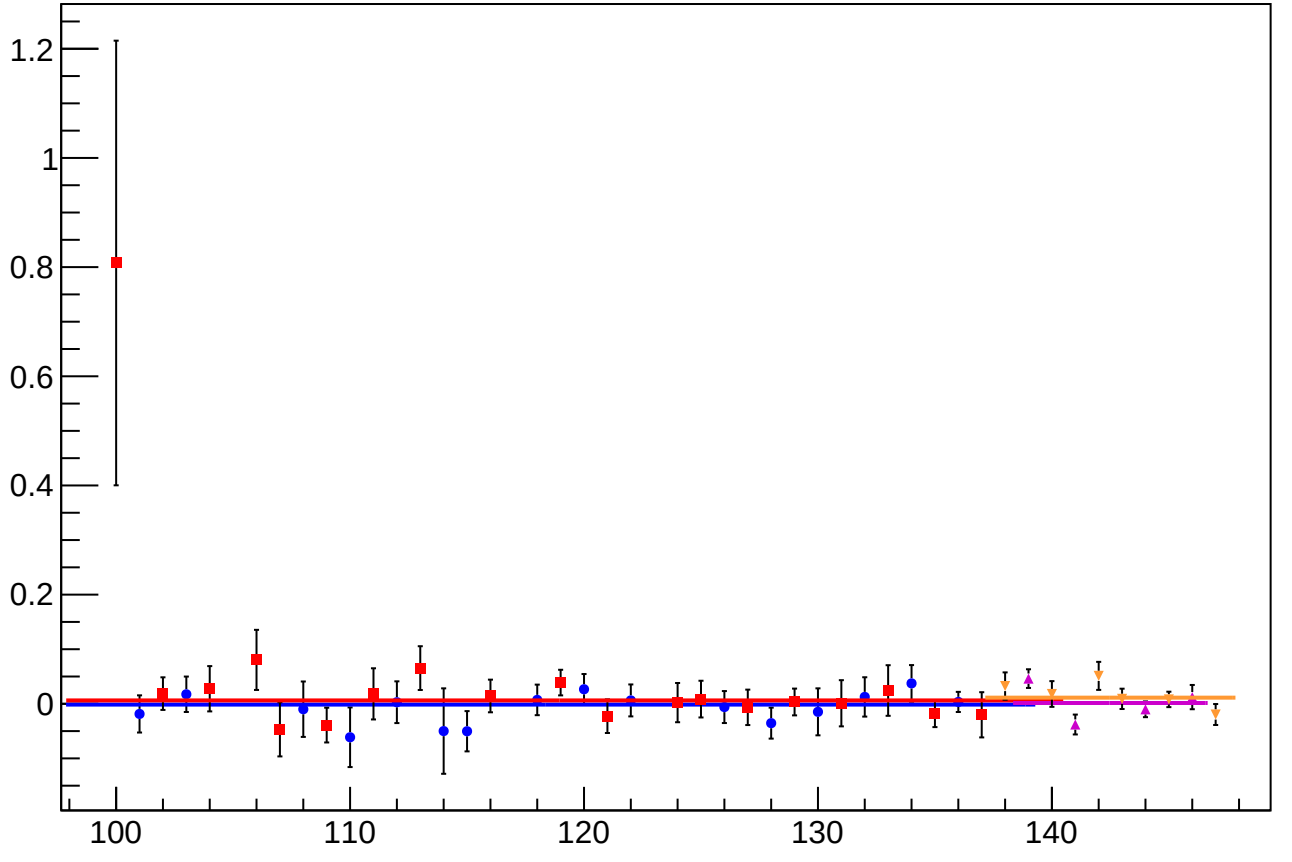
Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

+ sign 18.437+/-0.004 χ^2/NDF: 1304407.2/21

All: 18.288+/-0.003 χ^2/NDF: 2618074.4/44

- sign 18.131+/-0.004 χ^2/NDF: 1310849.7/22

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

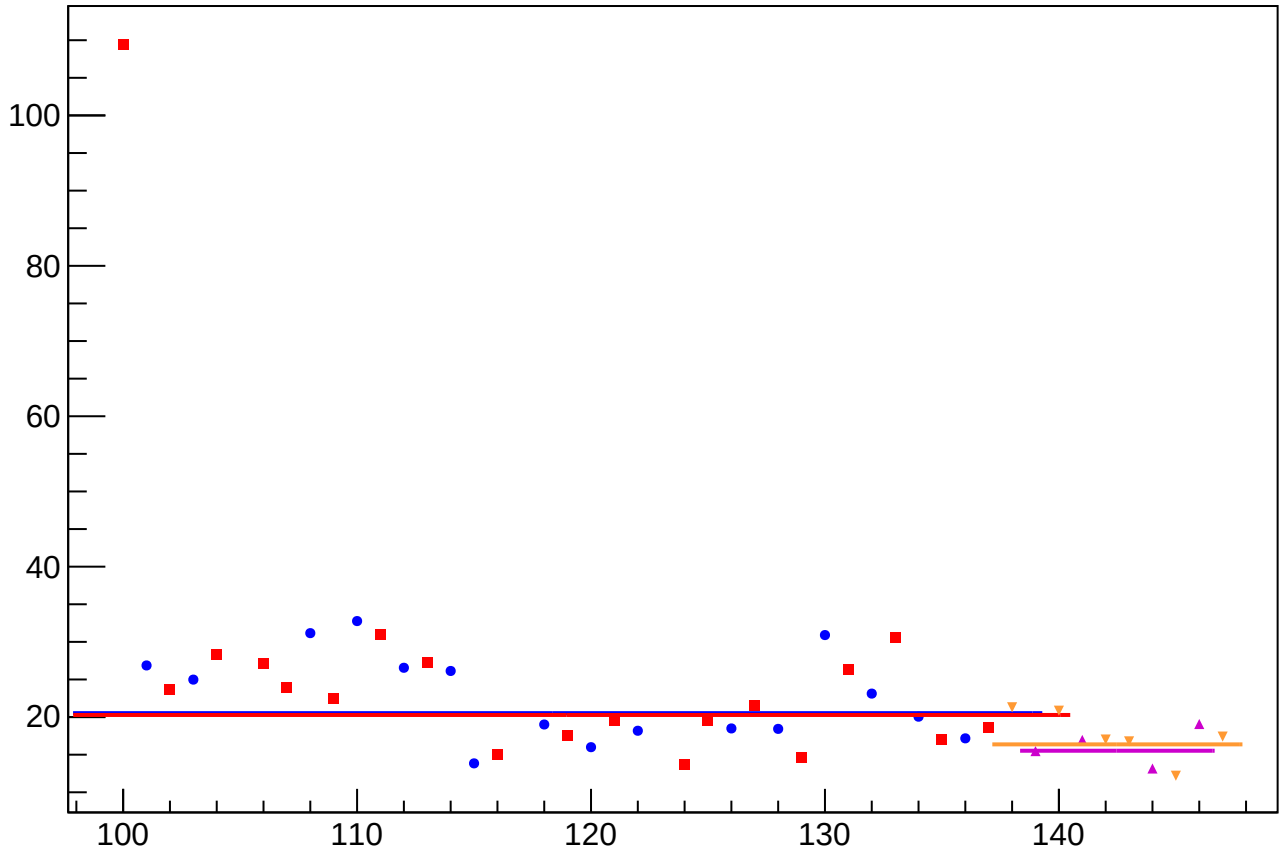
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.009 χ^2/NDF:12.4/3

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.005+/-0.004 χ^2/NDF: 44.2/44

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.371+/-0.006 χ^2/NDF:332194.7/5

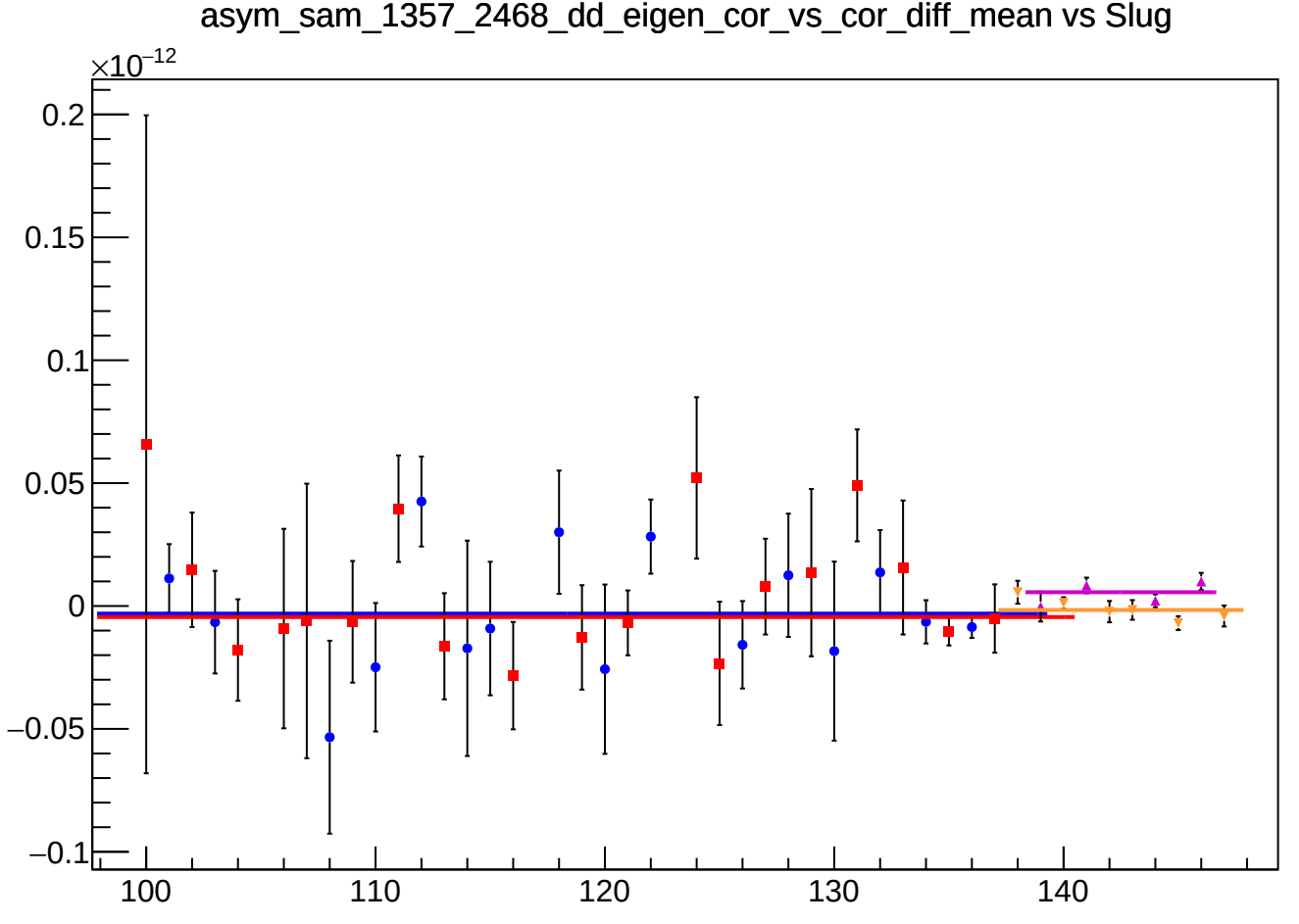
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

+ sign 18.437+/-0.004 χ^2/NDF: 1304407.2/21

All: 18.288+/-0.003 χ^2/NDF: 2618074.4/44

- sign 18.131+/-0.004 χ^2/NDF: 1310849.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/5

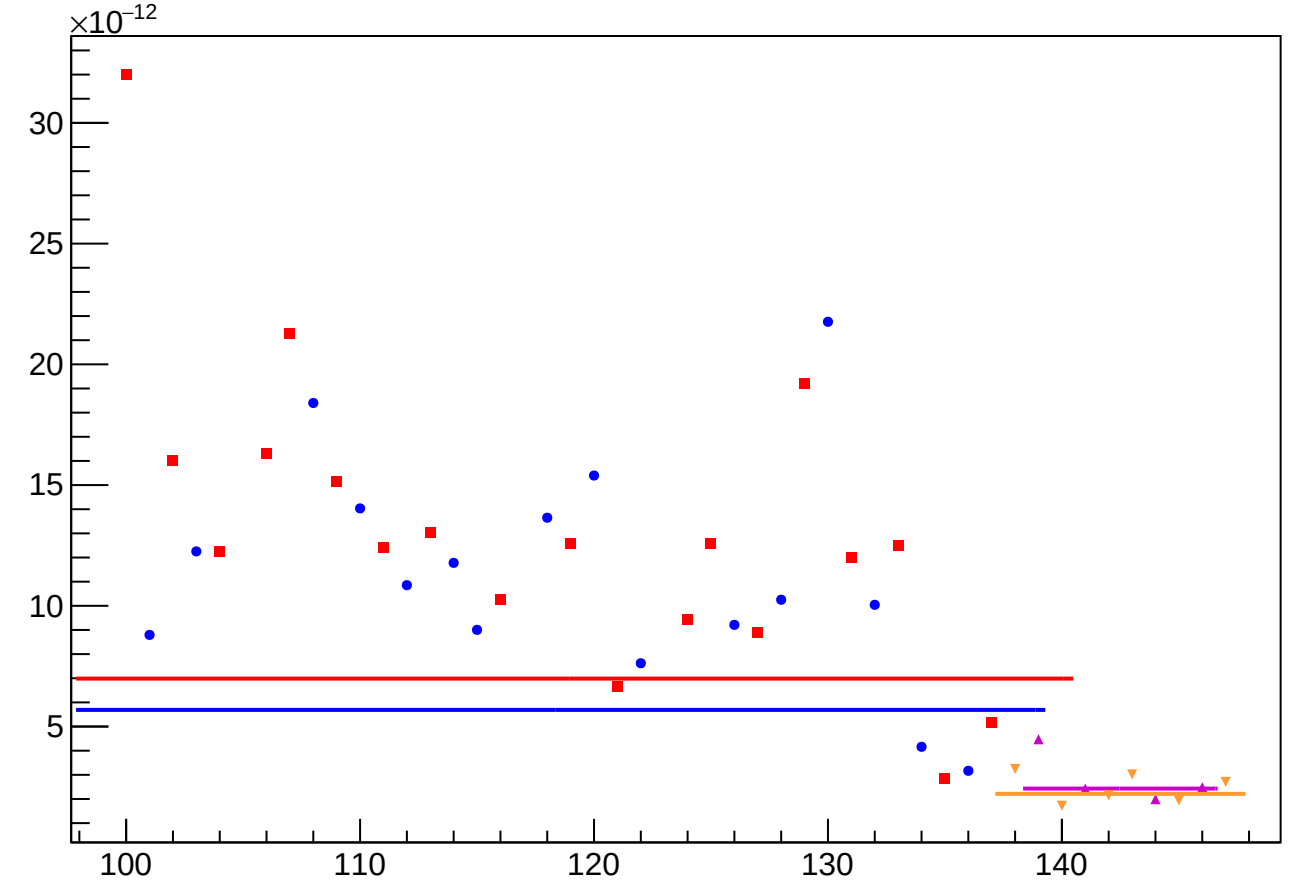
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/21

All: 0.000+/-0.000 χ^2/NDF: 65.5/44

- sign 0.000+/-0.000 χ^2/NDF: 29.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:311523.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

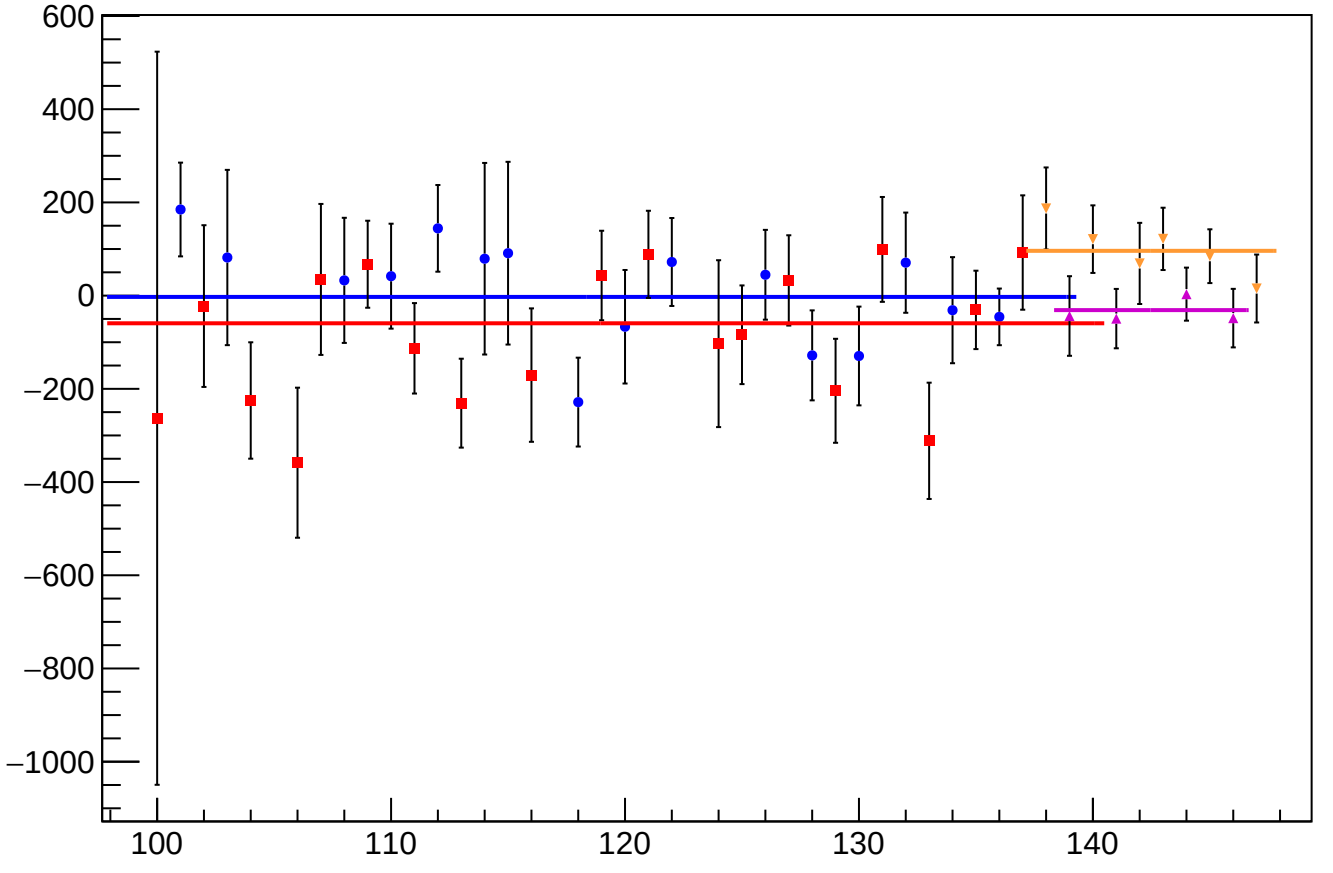
Left In: 0.000+/-0.000 χ^2/NDF:278995.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 4947039.9/21

All: 0.000+/-0.000 χ^2/NDF: 10749693.7/44

- sign 0.000+/-0.000 χ^2/NDF: 5714144.8/22

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.117+/-29.312 χ^2/NDF:2.7/5

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

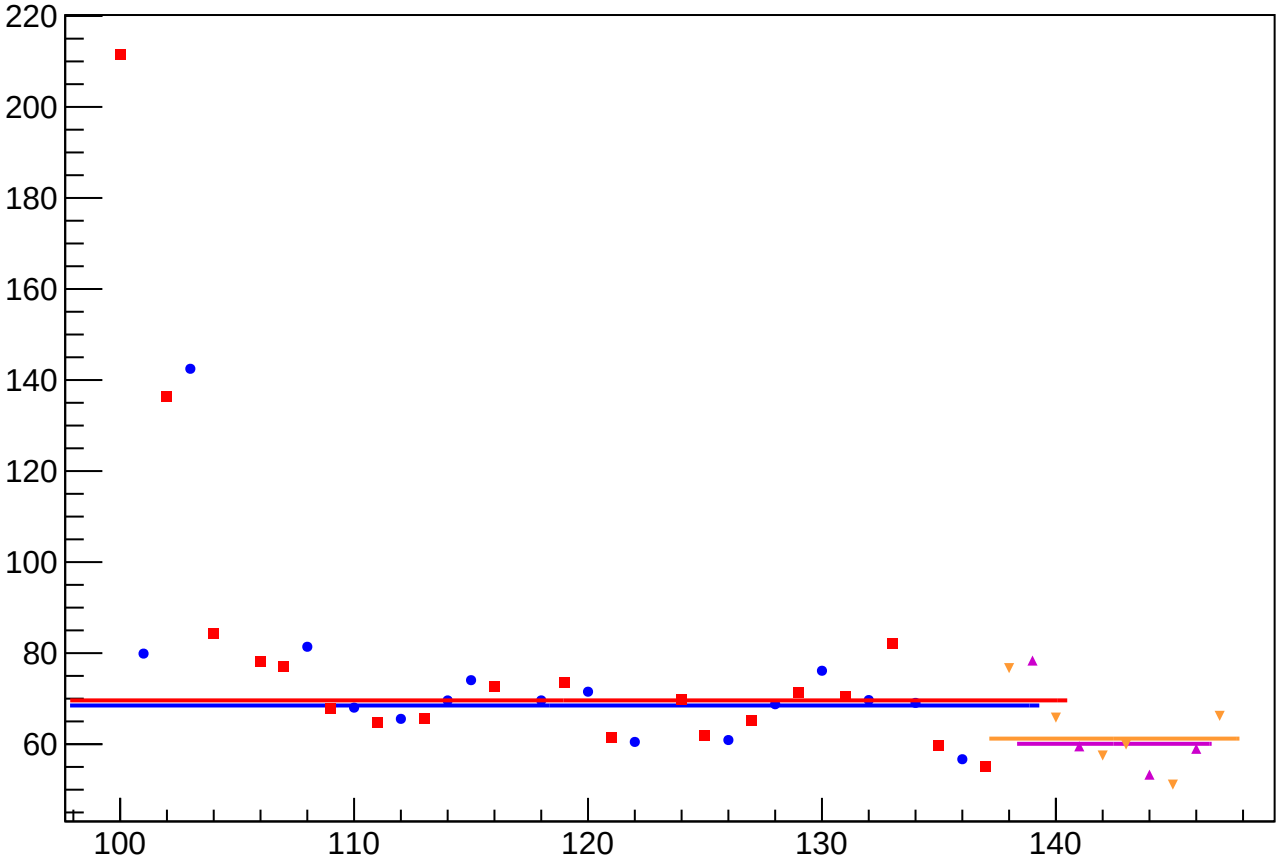
Left In: -31.080+/-32.515 χ^2/NDF:0.5/3

+ sign 41.173+/-19.540 χ^2/NDF: 26.7/21

All: -1.364+/-14.140 χ^2/NDF: 63.4/44

- sign -48.126+/-20.487 χ^2/NDF: 26.7/22

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

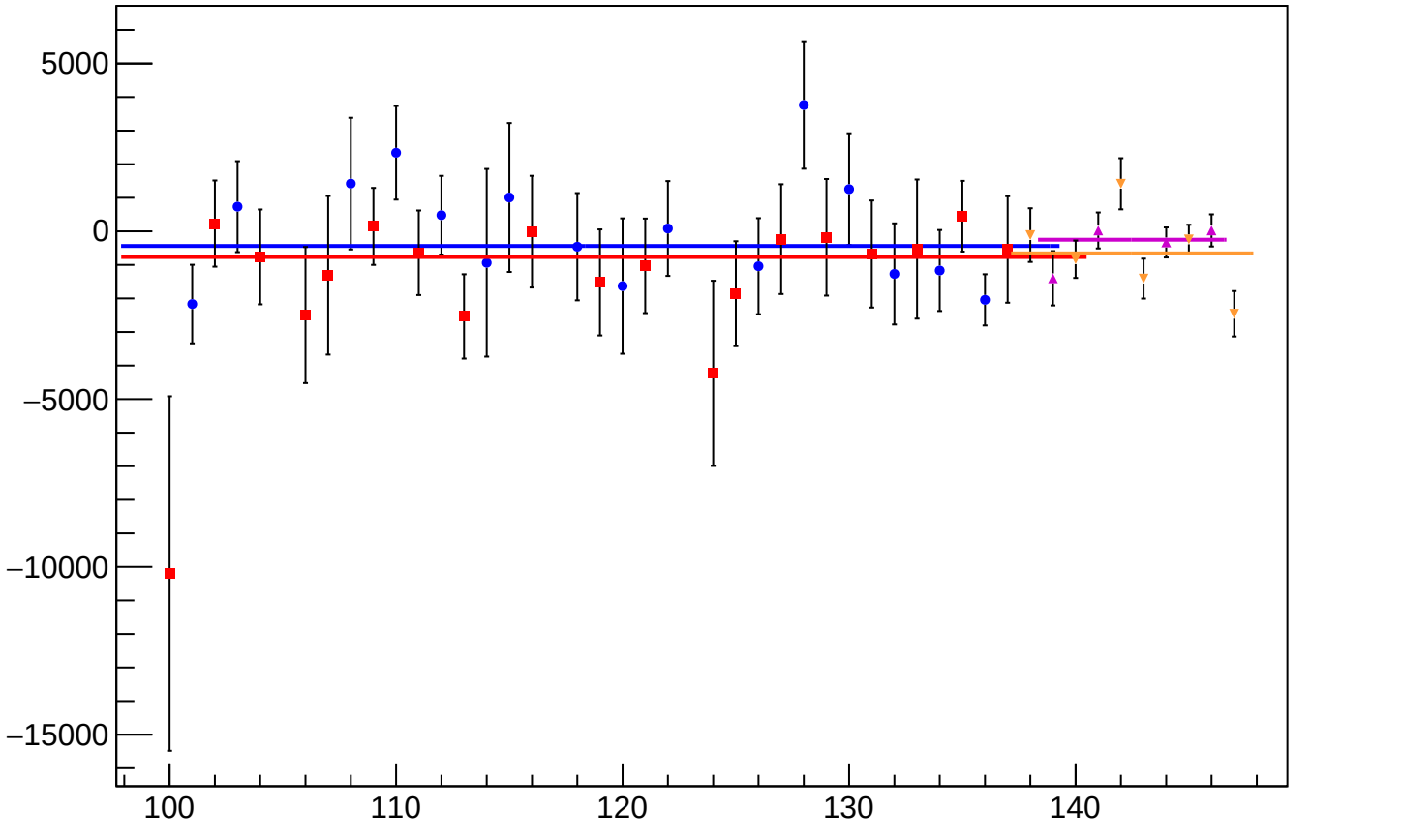
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.265+/-0.014 χ^2/NDF: 685514.8/21

All: 65.536+/-0.010 χ^2/NDF: 1431365.3/44

- sign 65.833+/-0.014 χ^2/NDF: 745047.4/22



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -657.439+/-244.168 χ^2/NDF:17.6/5

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

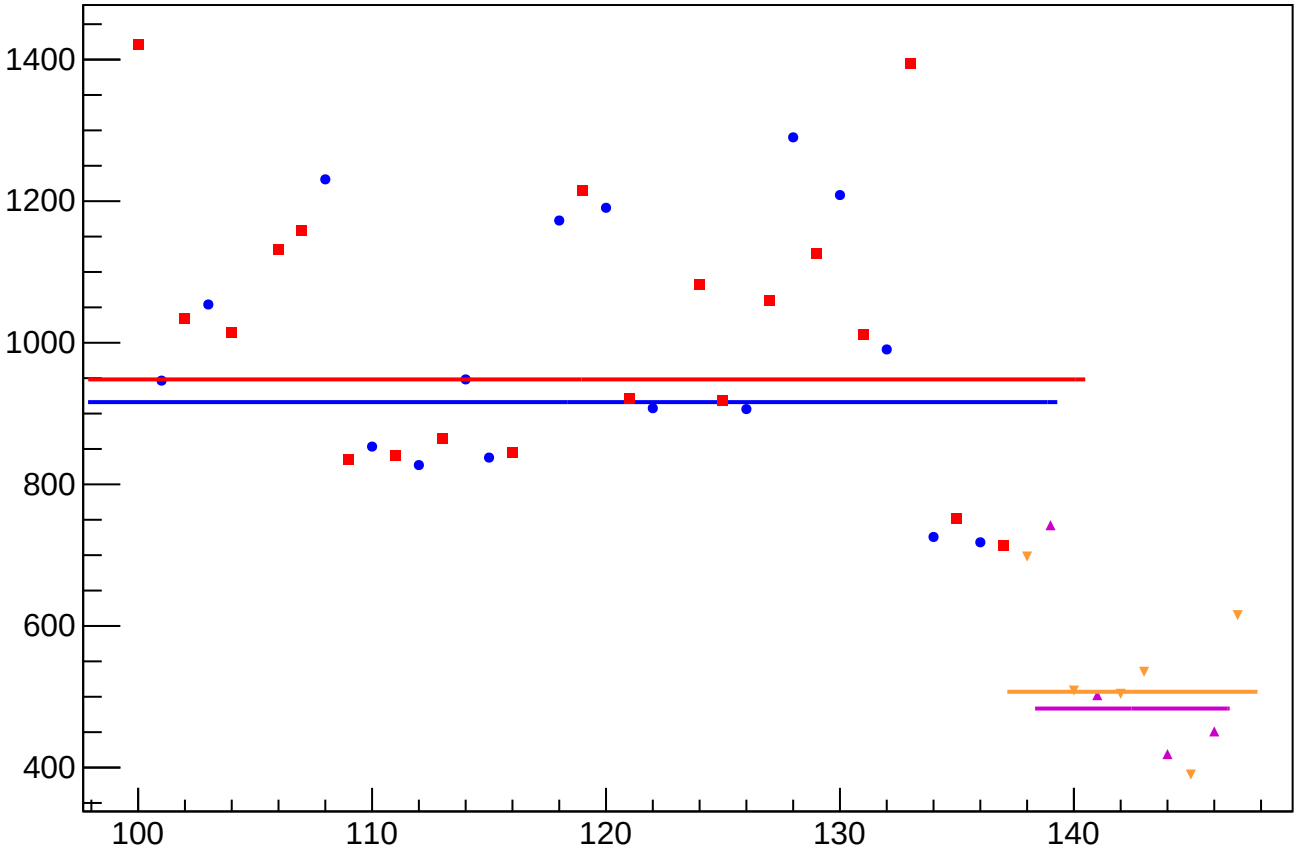
Left In: -250.325+/-264.033 χ^2/NDF:2.7/3

+ sign -585.111+/-200.043 χ^2/NDF: 38.4/21

All: -514.236+/-145.315 χ^2/NDF: 54.0/44

- sign -435.053+/-211.444 χ^2/NDF: 15.3/22

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 507.056+/-0.173 χ^2/NDF:313405.6/5

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

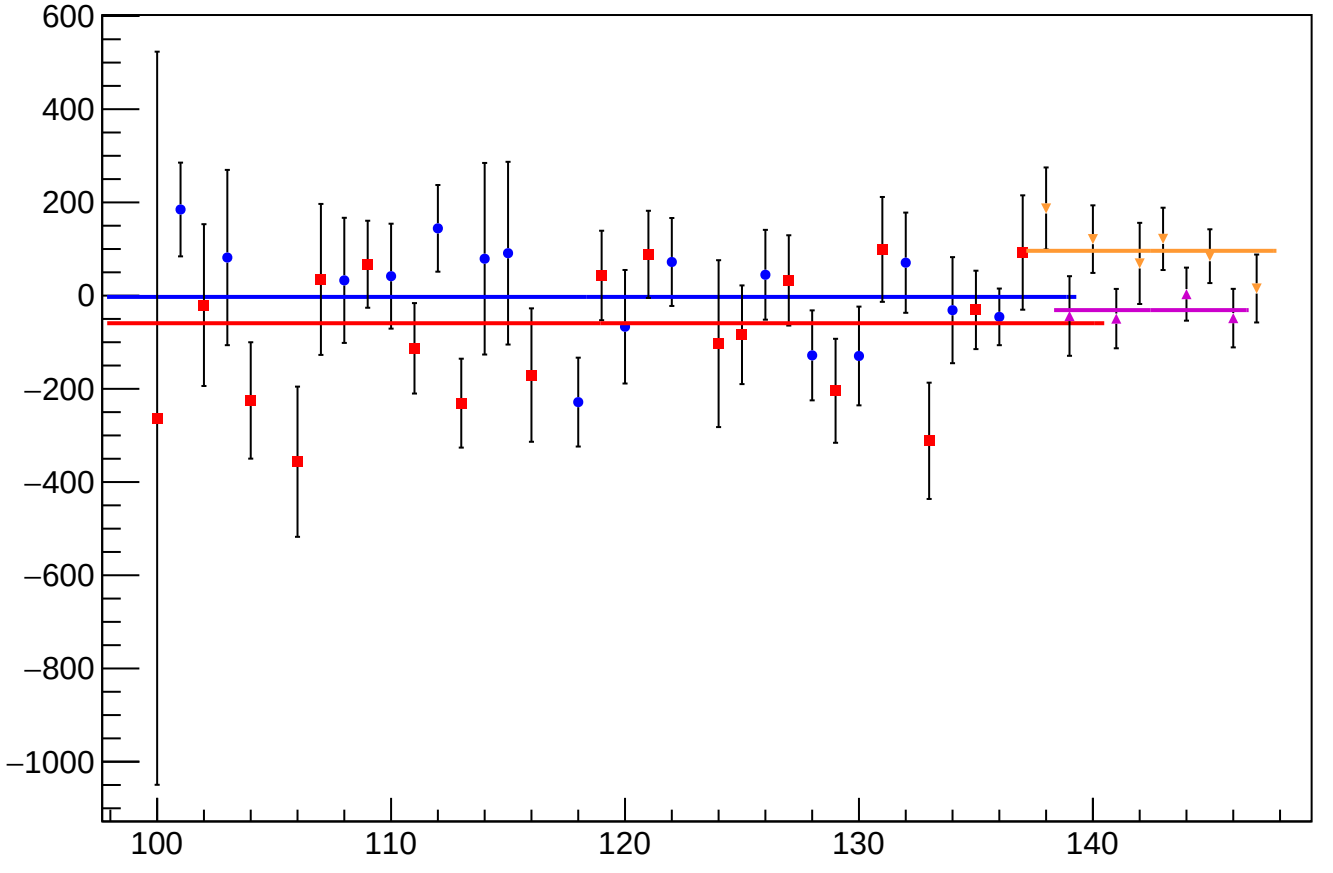
Left In: 483.366+/-0.187 χ^2/NDF:257688.7/3

+ sign 641.562+/-0.141 χ^2/NDF: 2668556.0/21

All: 645.598+/-0.103 χ^2/NDF: 5566912.8/44

- sign 650.107+/-0.150 χ^2/NDF: 2896633.1/22

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.128+/-29.312 χ^2/NDF:2.7/5

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

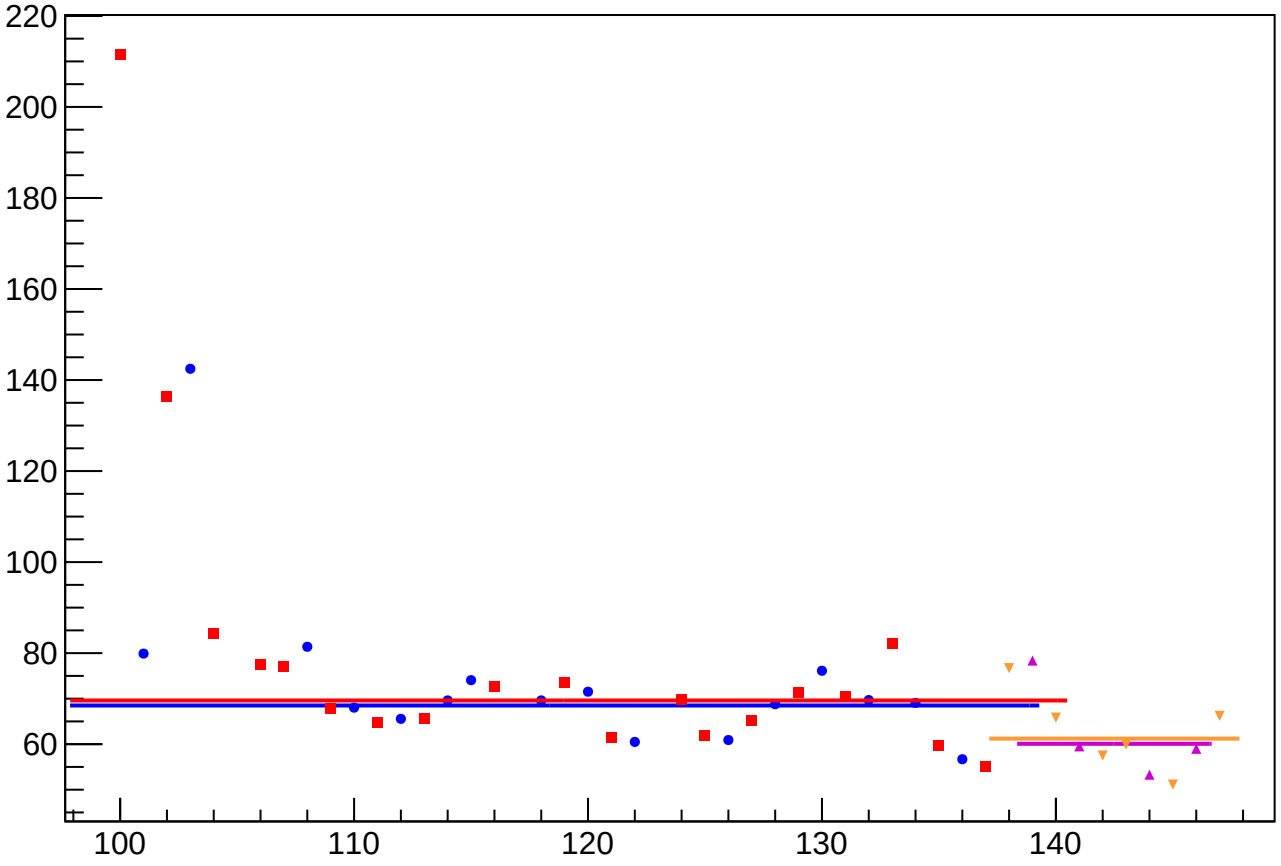
Left In: -31.084+/-32.515 χ^2/NDF:0.5/3

+ sign 41.174+/-19.540 χ^2/NDF: 26.7/21

All: -1.328+/-14.140 χ^2/NDF: 63.3/44

- sign -48.054+/-20.487 χ^2/NDF: 26.6/22

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

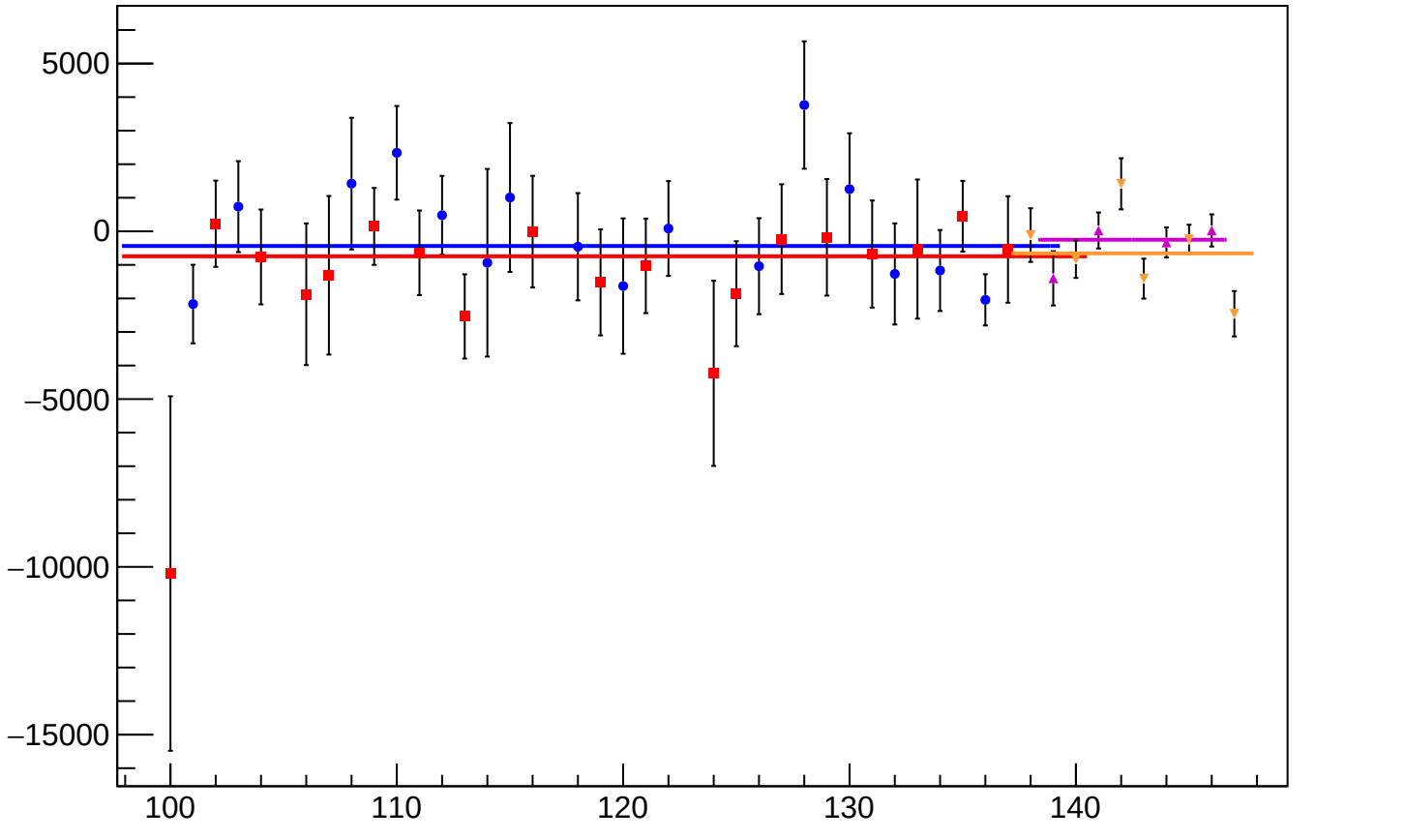
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.265+/-0.014 χ^2/NDF: 685517.9/21

All: 65.530+/-0.010 χ^2/NDF: 1430298.3/44

- sign 65.821+/-0.014 χ^2/NDF: 744010.5/22



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -657.428+/-244.168 χ^2/NDF:17.6/5

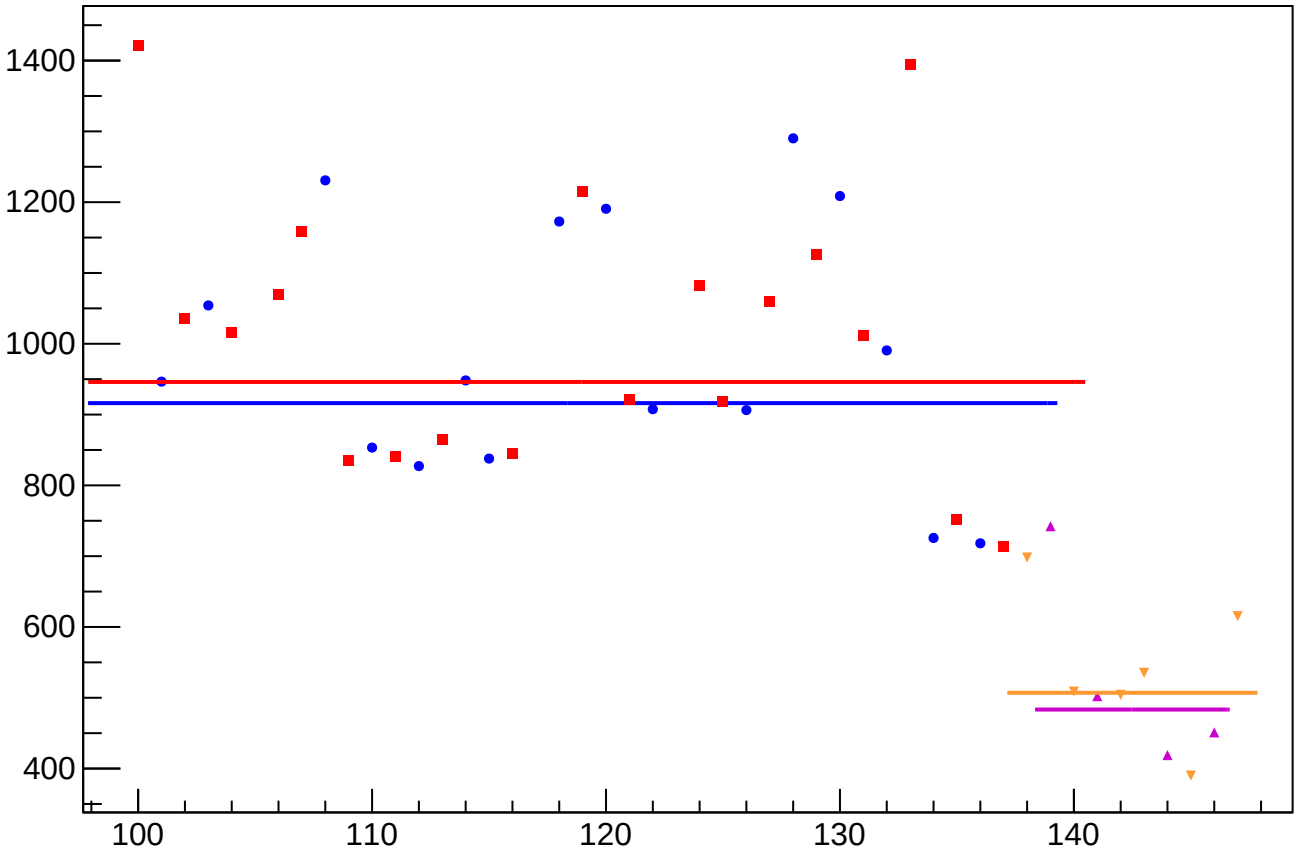
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -250.330+/-264.033 χ^2/NDF:2.7/3

+ sign -585.094+/-200.044 χ^2/NDF: 38.4/21

All: -510.581+/-145.346 χ^2/NDF: 53.4/44

- sign -427.260+/-211.537 χ^2/NDF: 14.8/22



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 507.056+/-0.173 χ^2/NDF:313406.4/5

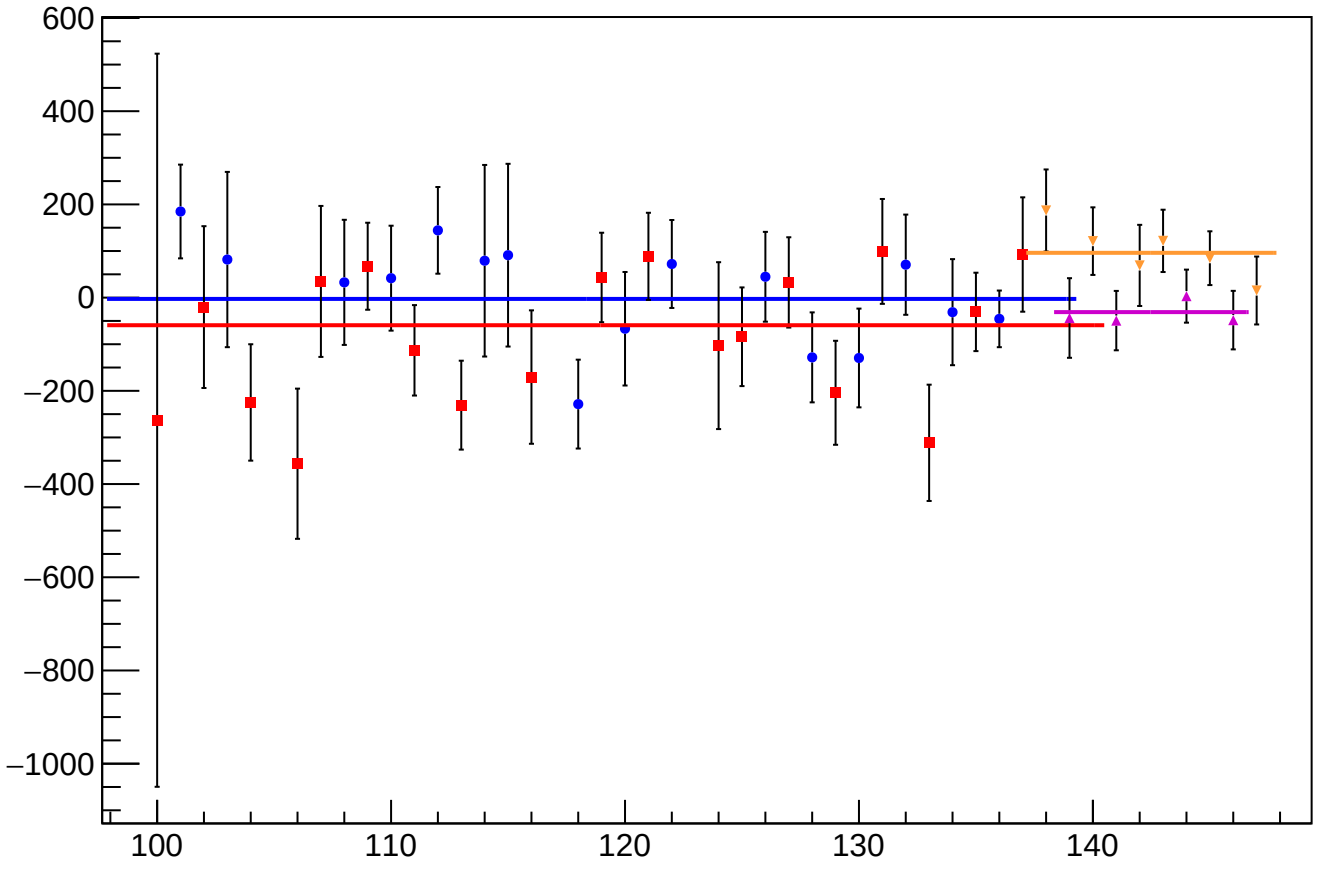
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

+ sign 641.562+/-0.141 χ^2/NDF: 2668605.5/21

All: 645.109+/-0.103 χ^2/NDF: 5532847.8/44

- sign 649.076+/-0.150 χ^2/NDF: 2862910.1/22



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.128+/-29.312 χ^2/NDF:2.7/5

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

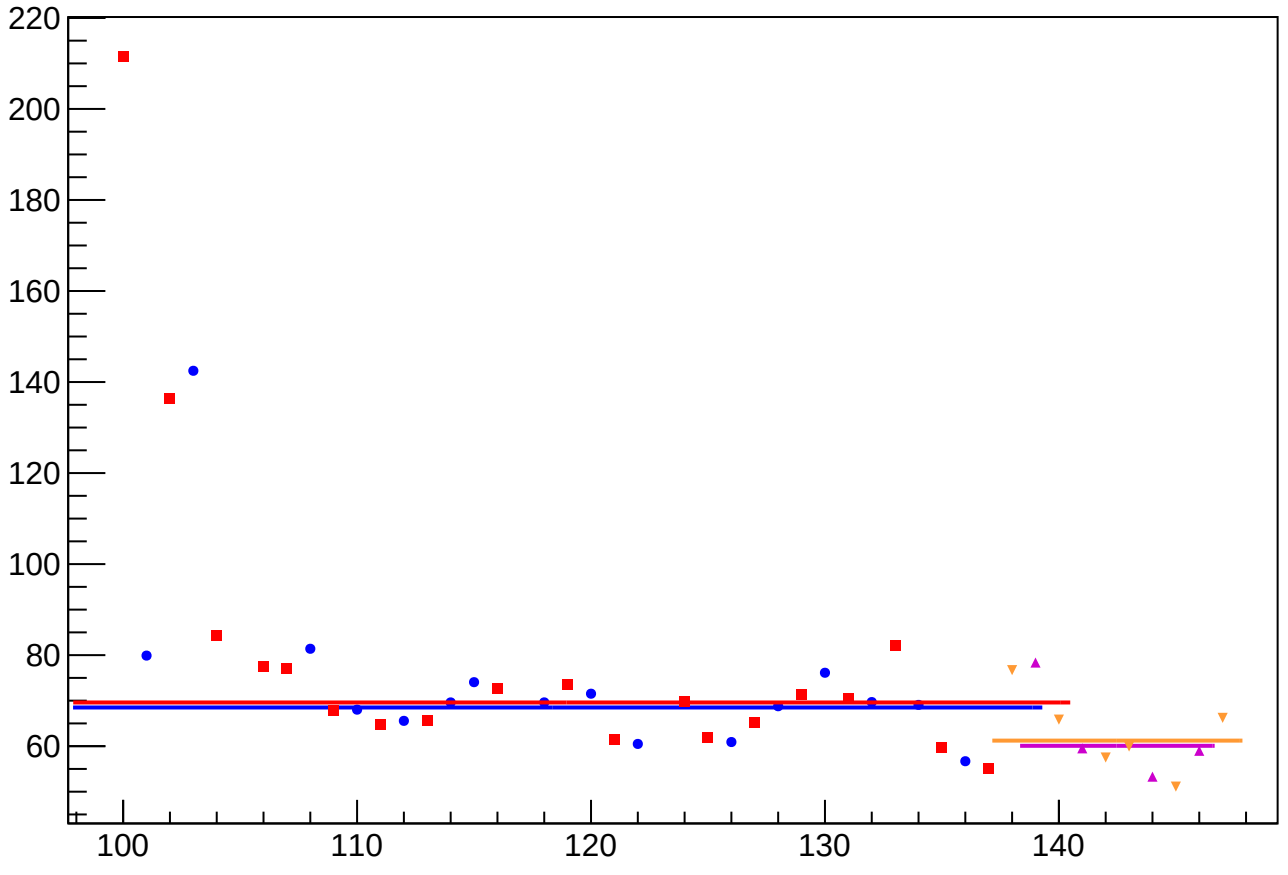
Left In: -31.084+/-32.515 χ^2/NDF:0.5/3

+ sign 41.174+/-19.540 χ^2/NDF: 26.7/21

All: -1.328+/-14.140 χ^2/NDF: 63.3/44

- sign -48.054+/-20.487 χ^2/NDF: 26.6/22

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

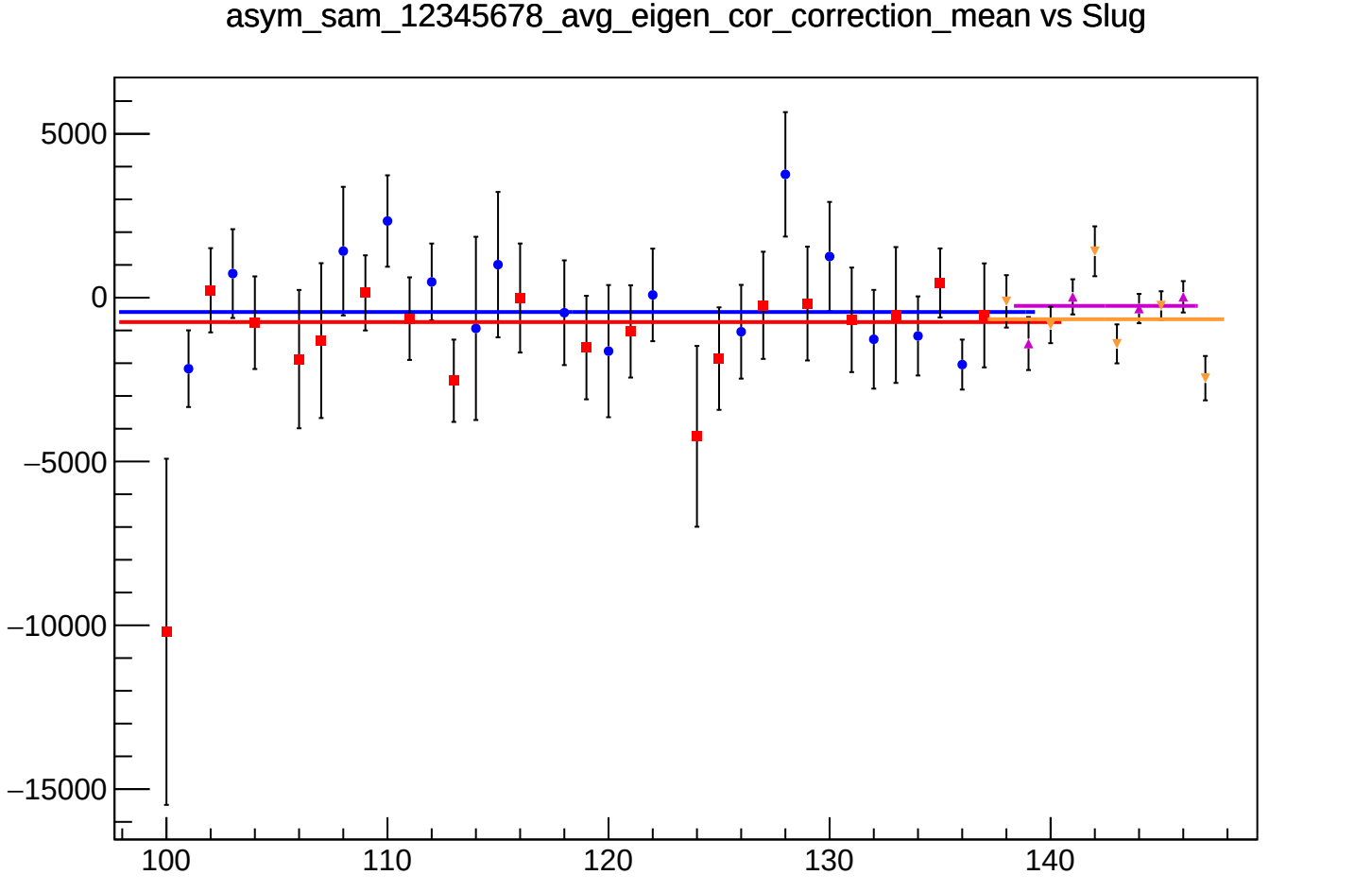
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.265+/-0.014 χ^2/NDF: 685517.9/21

All: 65.530+/-0.010 χ^2/NDF: 1430298.3/44

- sign 65.821+/-0.014 χ^2/NDF: 744010.5/22



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -657.428+/-244.168 χ^2/NDF:17.6/5

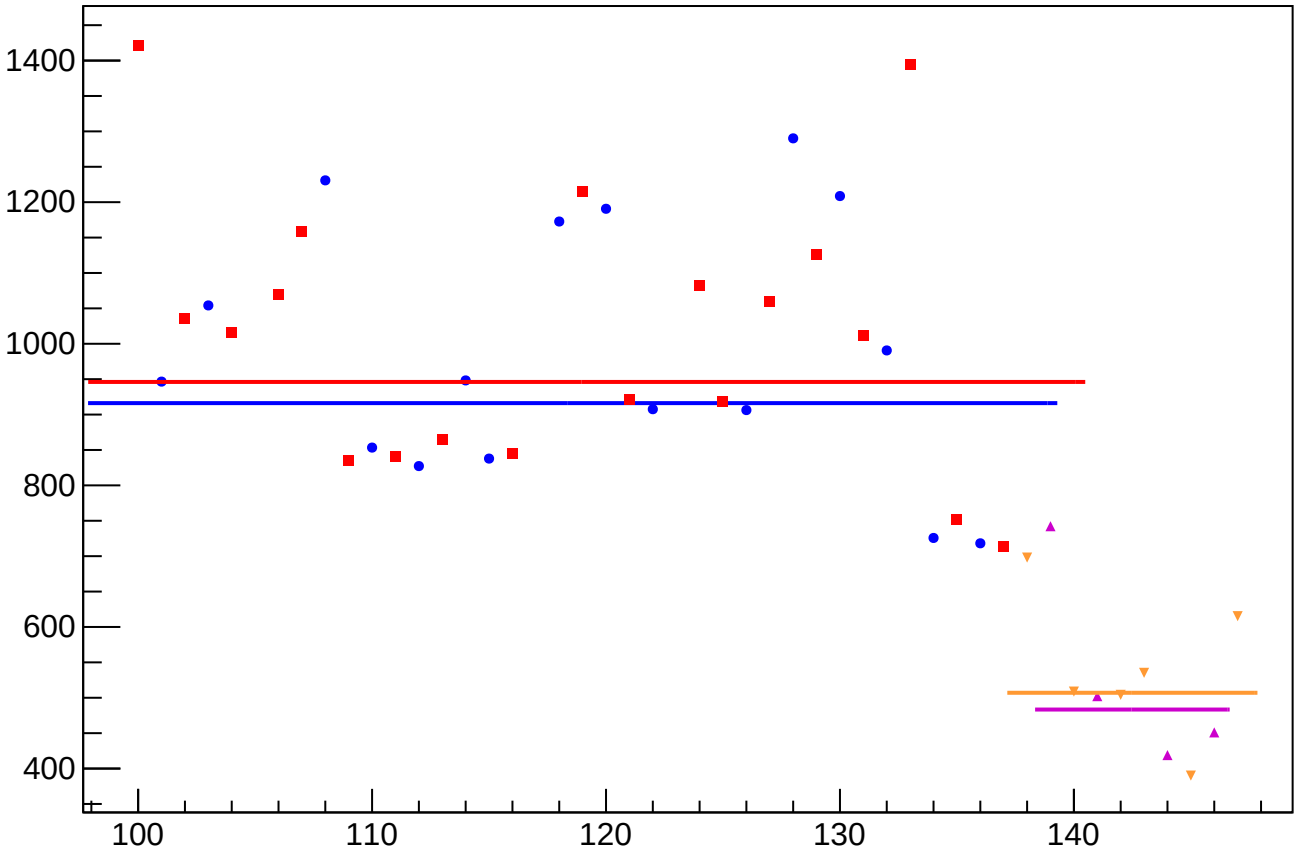
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -250.330+/-264.033 χ^2/NDF:2.7/3

\+ sign -585.094+/-200.044 χ^2/NDF: 38.4/21

All: -510.581+/-145.346 χ^2/NDF: 53.4/44

\- sign -427.260+/-211.537 χ^2/NDF: 14.8/22



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 507.056+/-0.173 χ^2/NDF:313406.4/5

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

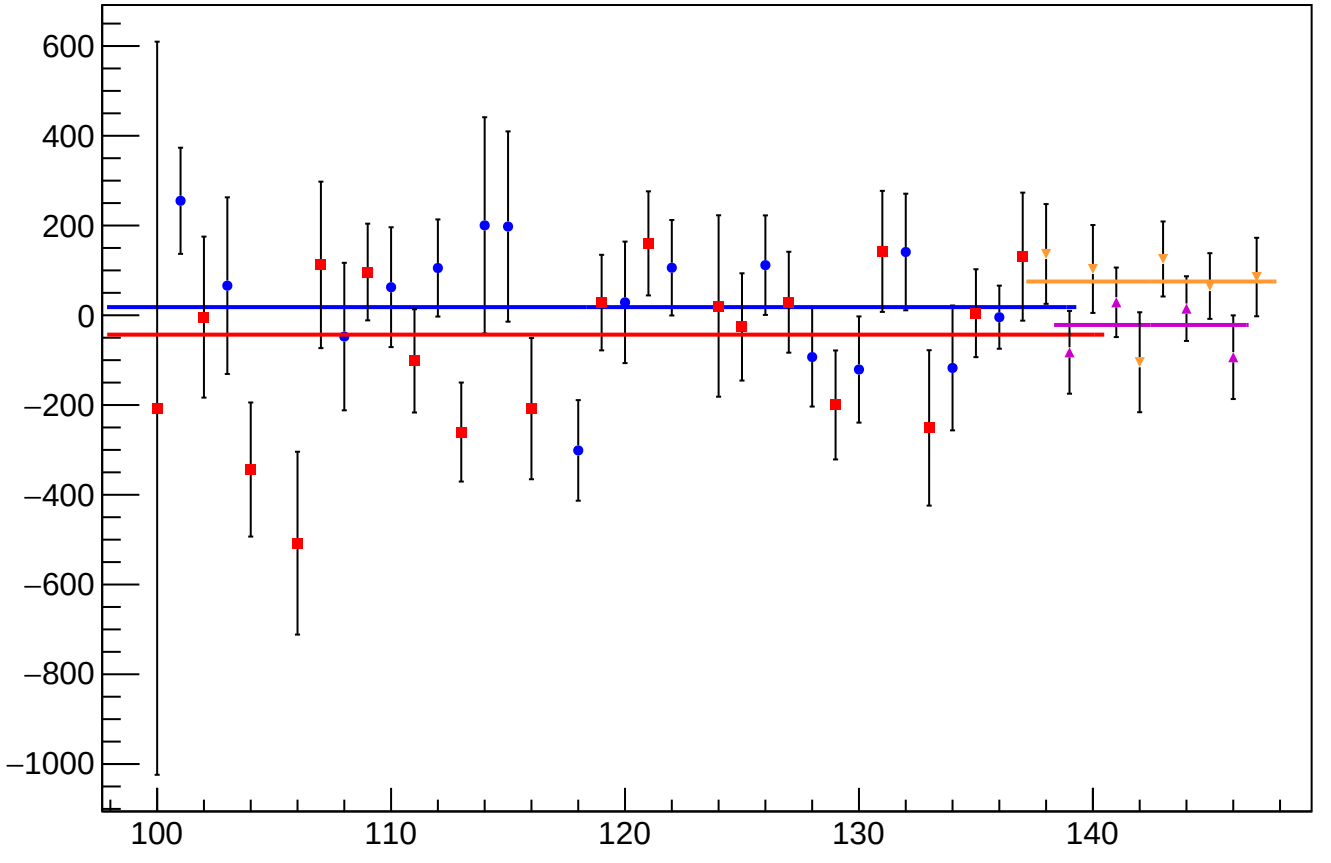
Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

\+ sign 641.562+/-0.141 χ^2/NDF: 2668605.5/21

All: 645.109+/-0.103 χ^2/NDF: 5532847.8/44

\- sign 649.076+/-0.150 χ^2/NDF: 2862910.1/22

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 75.228+/-37.103 χ^2/NDF:3.4/5

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

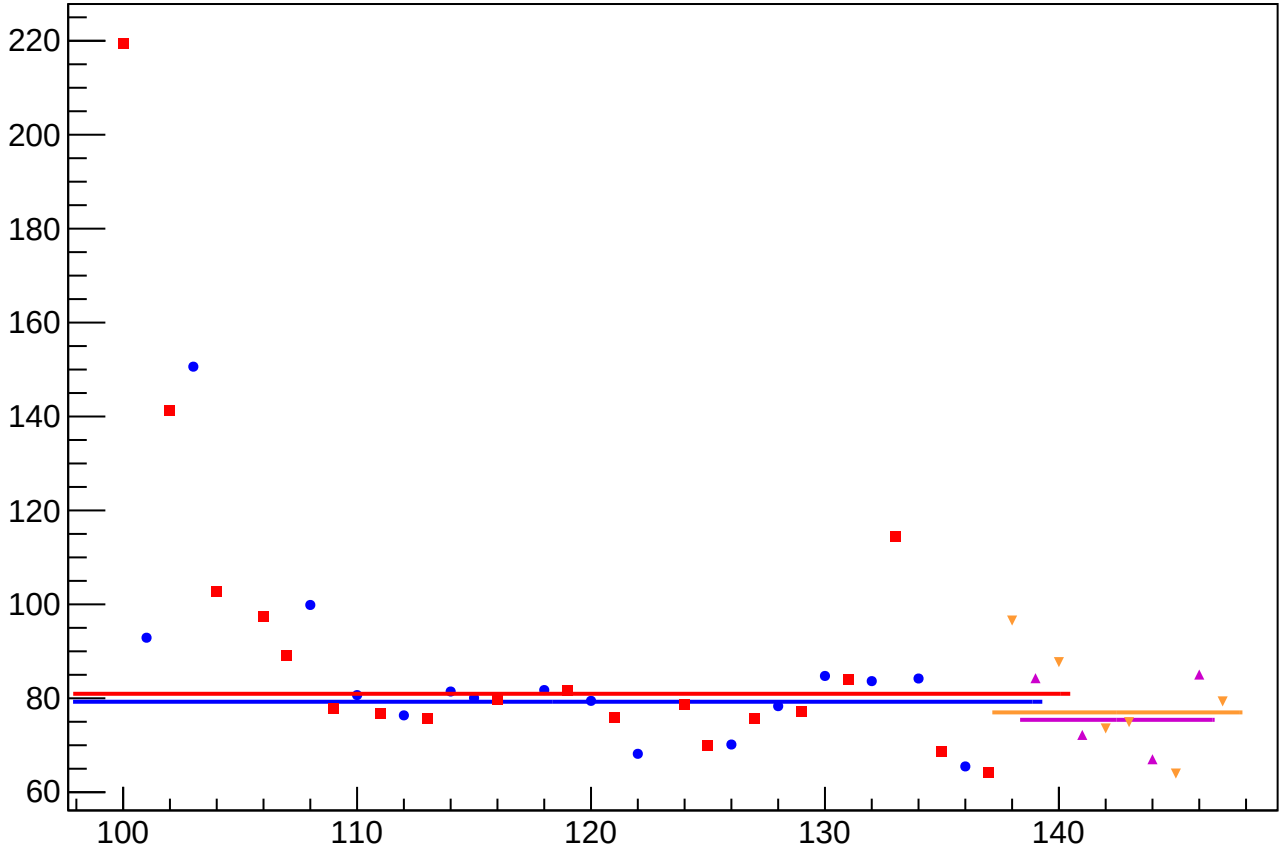
Left In: -21.555+/-41.108 χ^2/NDF:1.7/3

+ sign 41.043+/-23.490 χ^2/NDF: 24.9/21

All: 4.581+/-16.989 χ^2/NDF: 59.6/44

- sign -35.413+/-24.601 χ^2/NDF: 29.6/22

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.994+/-0.026 χ^2/NDF:153662.8/5

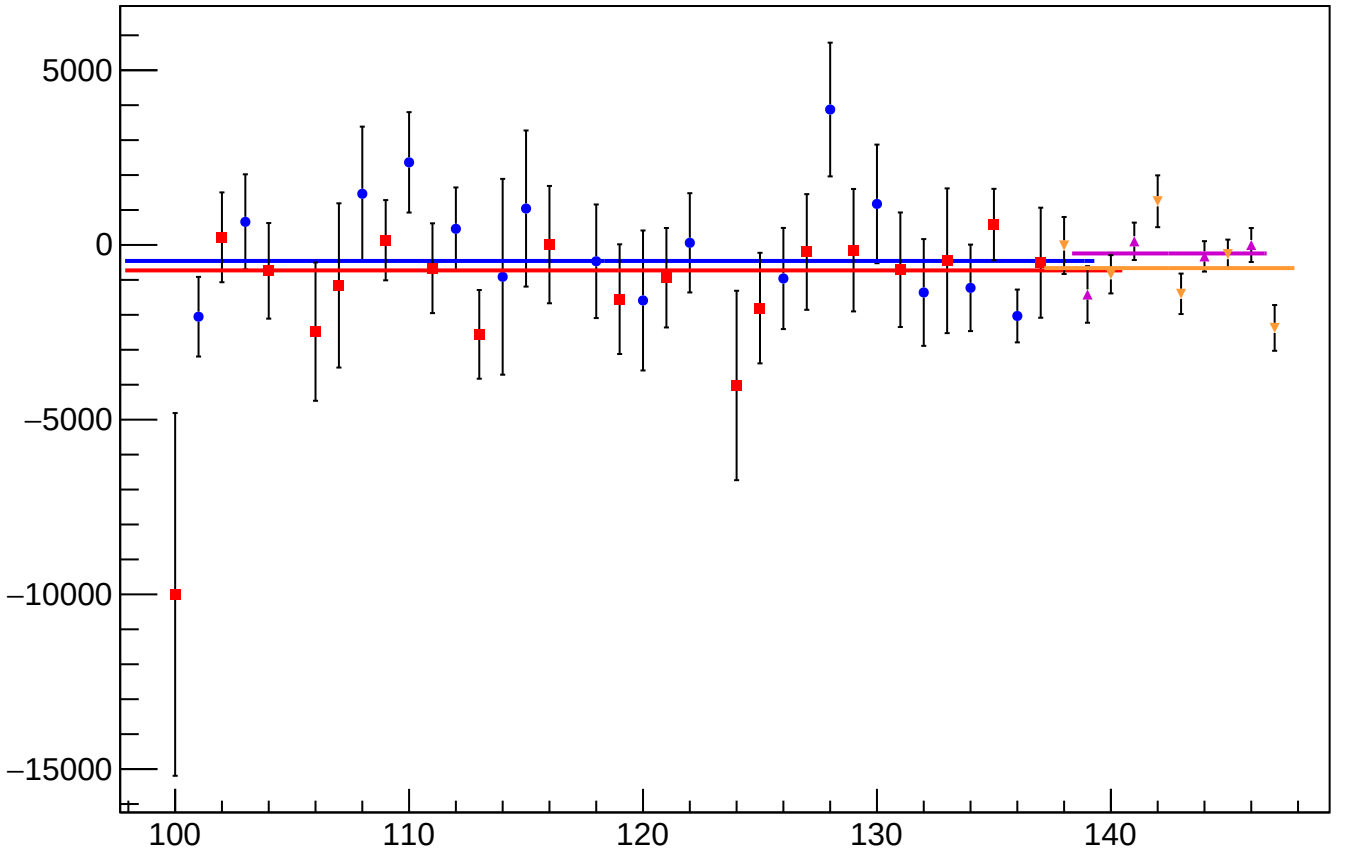
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.413+/-0.029 χ^2/NDF:70406.2/3

\+ sign 78.354+/-0.017 χ^2/NDF: 603095.9/21

All: 78.649+/-0.012 χ^2/NDF: 1211703.2/44

\- sign 78.972+/-0.017 χ^2/NDF: 607945.3/22



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -662.807+/-237.190 χ^2/NDF:16.8/5

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

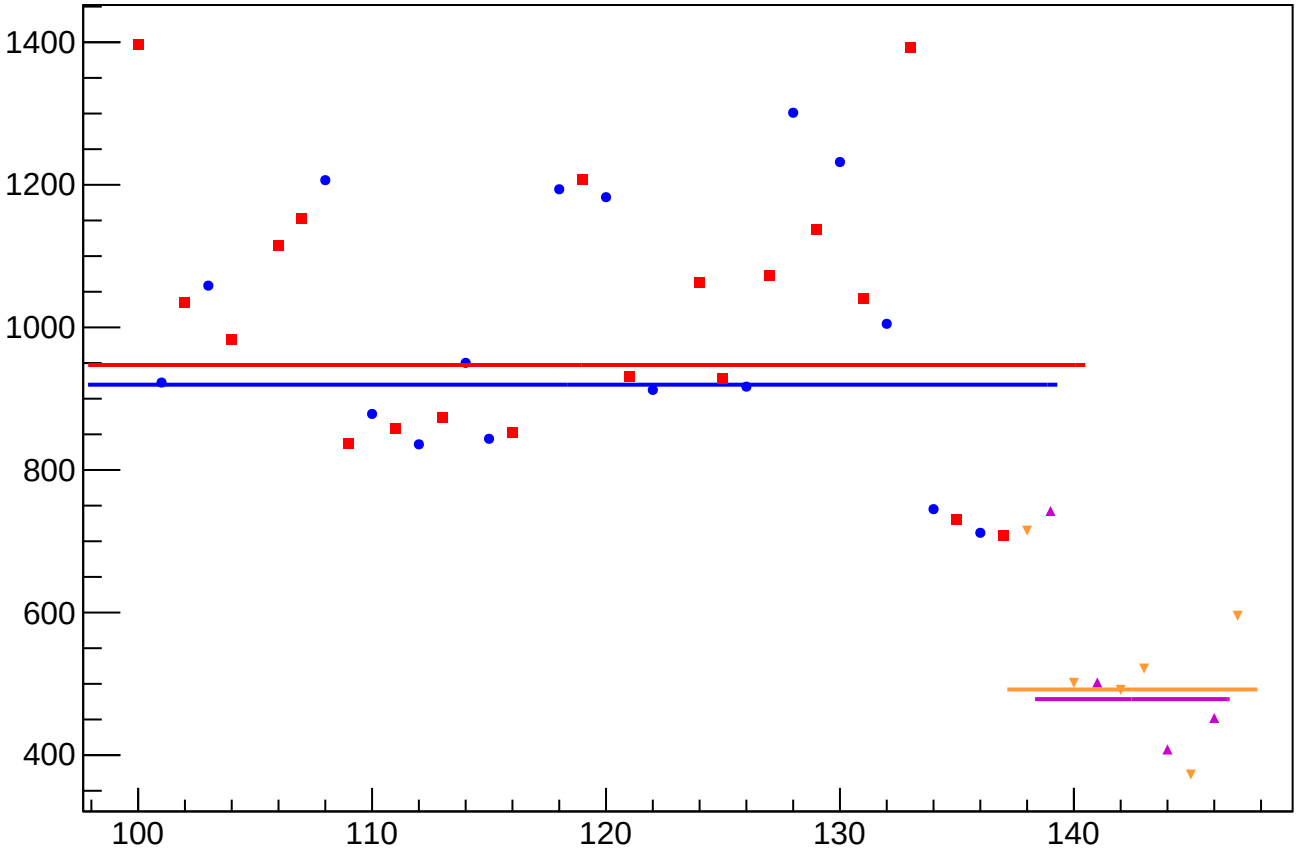
Left In: -243.280+/-262.421 χ^2/NDF:2.8/3

+ sign -598.403+/-196.363 χ^2/NDF: 37.3/21

All: -513.698+/-143.591 χ^2/NDF: 53.2/44

- sign -416.347+/-210.511 χ^2/NDF: 15.6/22

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 492.071+/-0.168 χ^2/NDF:370237.7/5

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

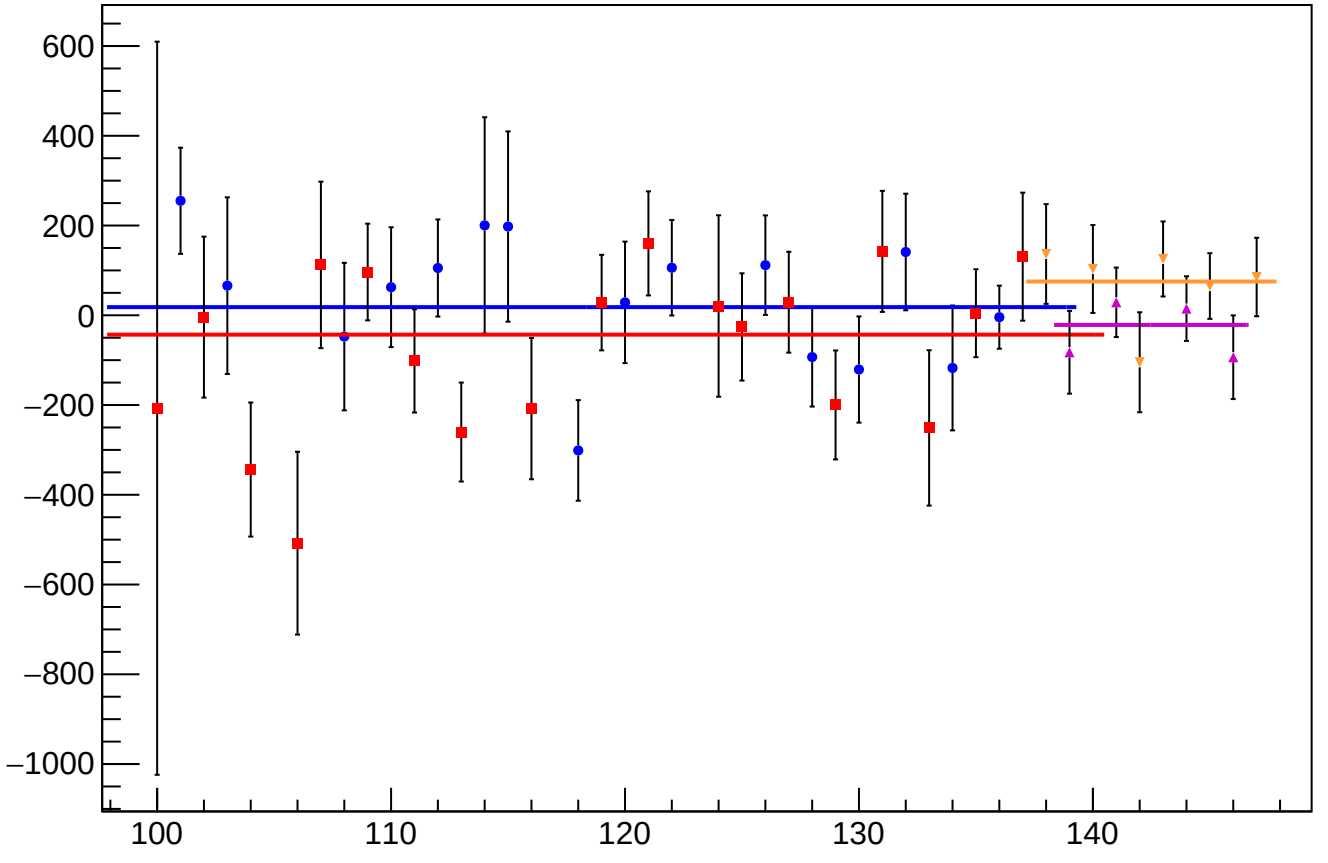
Left In: 478.580+/-0.186 χ^2/NDF:274696.8/3

+ sign 626.595+/-0.139 χ^2/NDF: 2930448.5/21

All: 635.468+/-0.102 χ^2/NDF: 5913838.7/44

- sign 645.666+/-0.149 χ^2/NDF: 2974613.6/22

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 75.228+/-37.103 χ^2/NDF:3.4/5

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

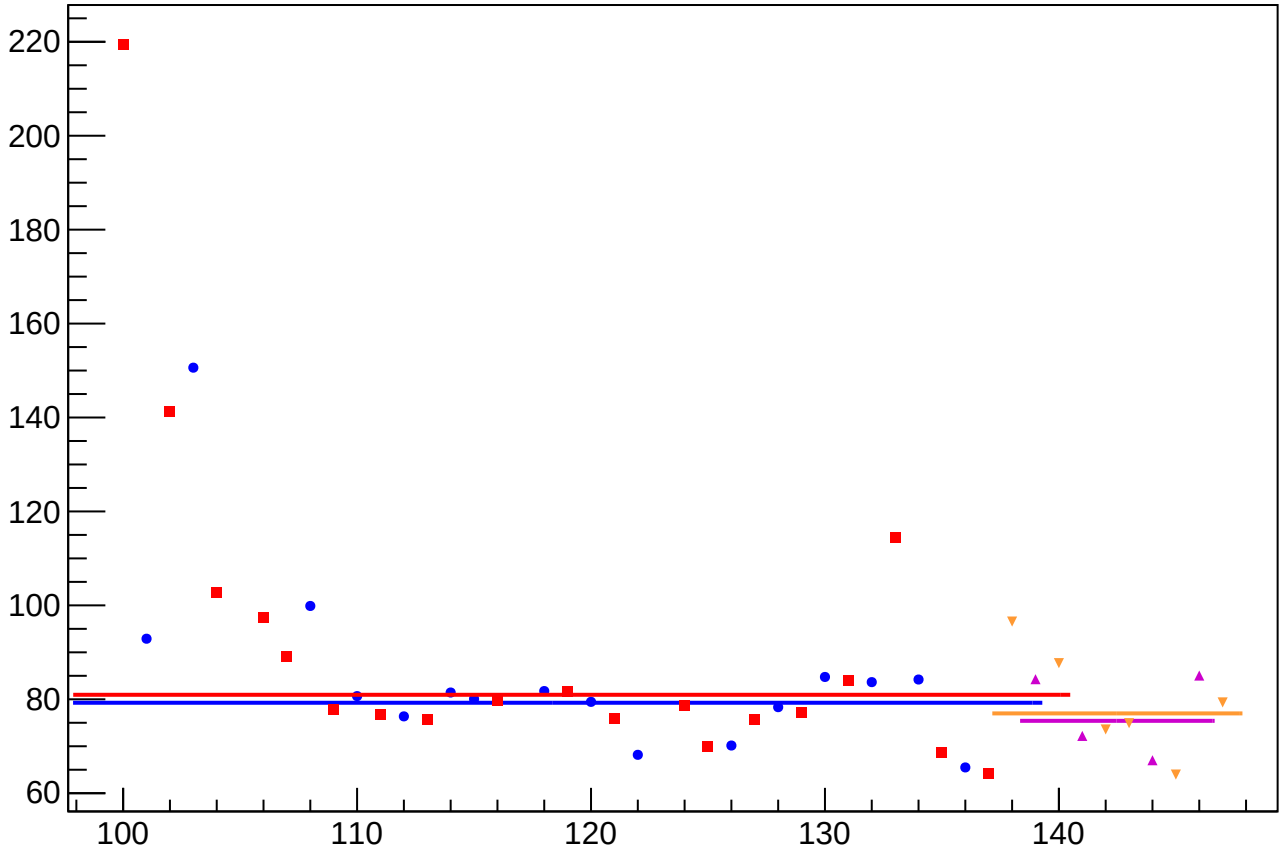
Left In: -21.556+/-41.108 χ^2/NDF:1.7/3

+ sign 41.043+/-23.490 χ^2/NDF: 24.9/21

All: 4.581+/-16.989 χ^2/NDF: 59.6/44

- sign -35.412+/-24.601 χ^2/NDF: 29.6/22

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.994+/-0.026 χ^2/NDF:153654.1/5

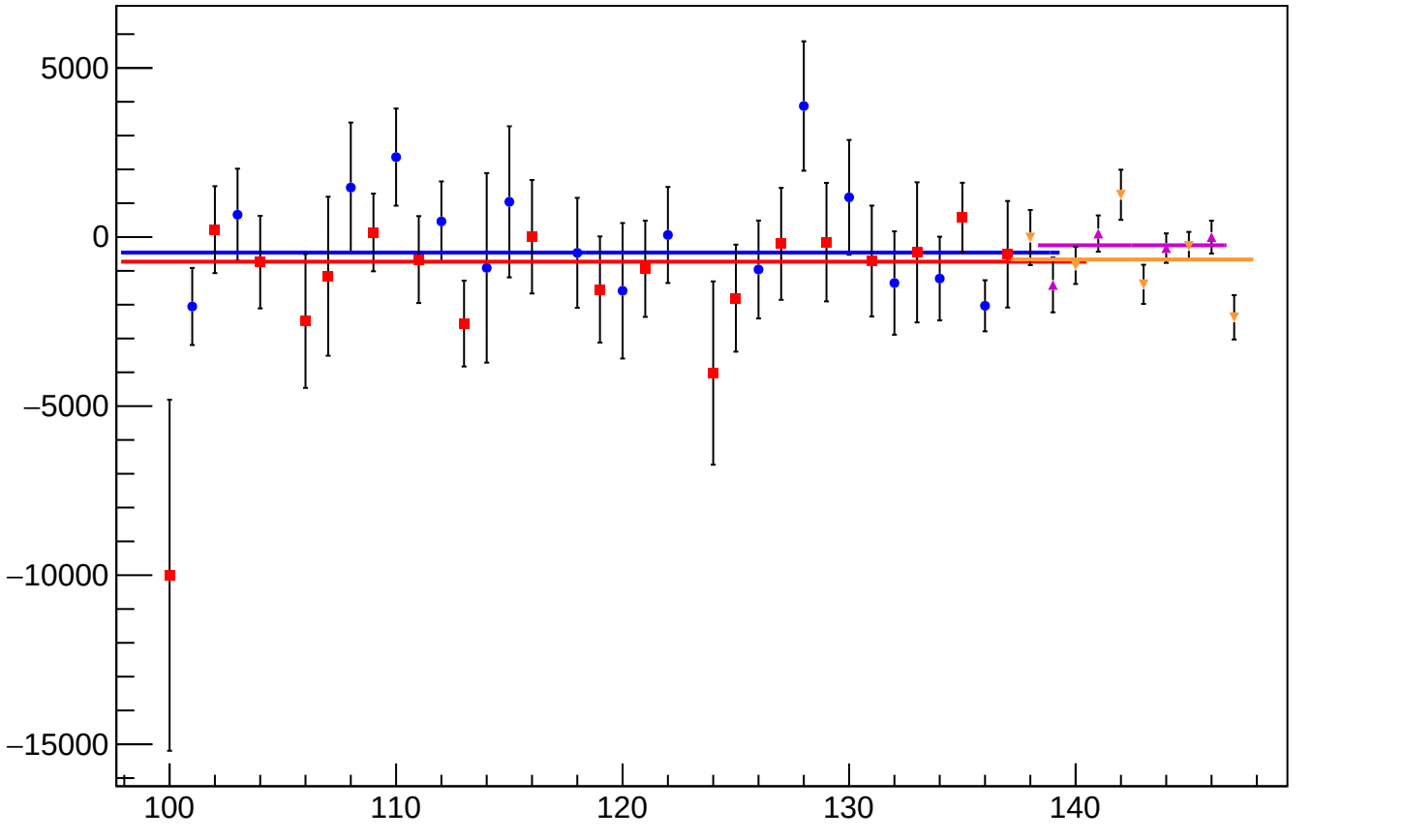
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.414+/-0.029 χ^2/NDF:70405.1/3

+ sign 78.354+/-0.017 χ^2/NDF: 603081.8/21

All: 78.649+/-0.012 χ^2/NDF: 1211692.0/44

- sign 78.972+/-0.017 χ^2/NDF: 607948.2/22



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -662.808+/-237.189 χ^2/NDF:16.8/5

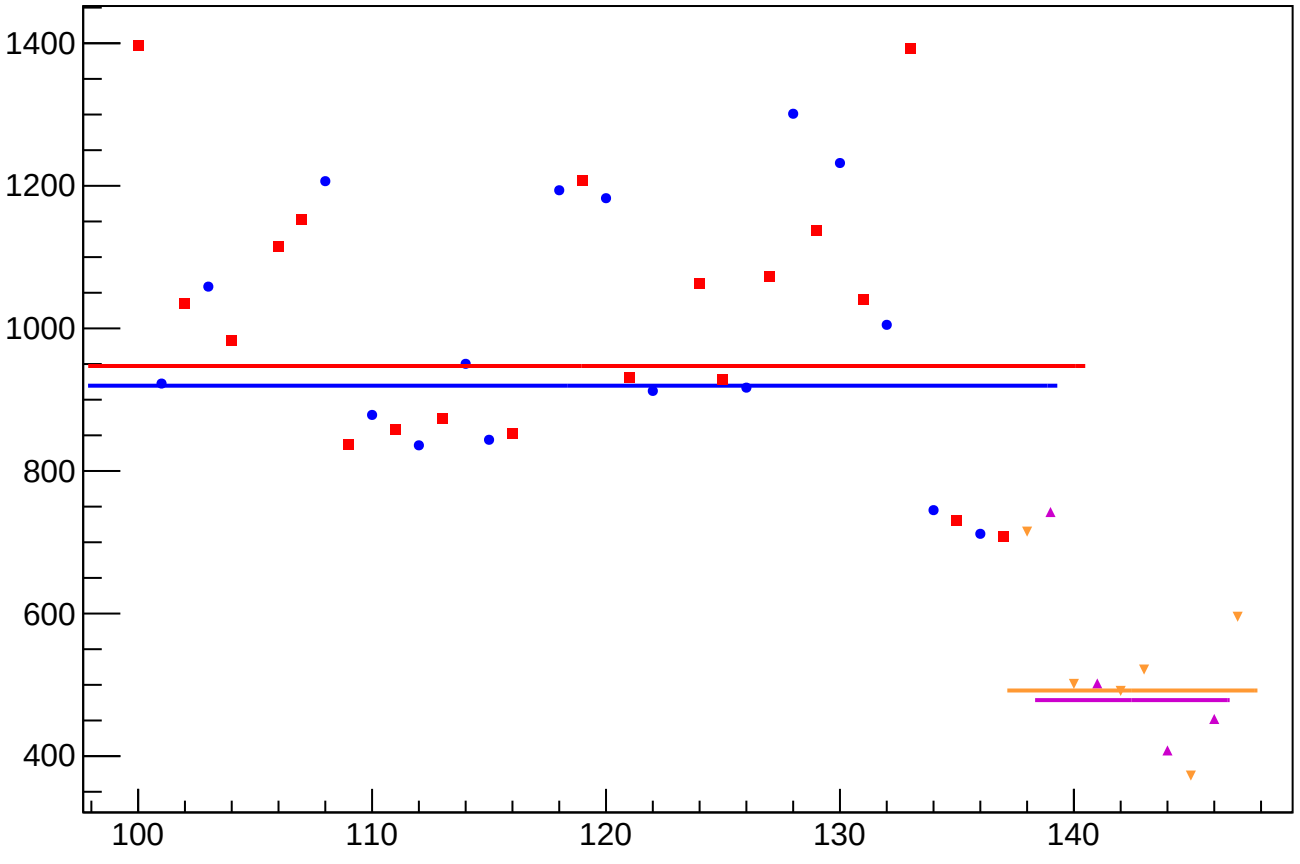
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -243.281+/-262.421 χ^2/NDF:2.8/3

+ sign -598.403+/-196.362 χ^2/NDF: 37.3/21

All: -513.698+/-143.591 χ^2/NDF: 53.2/44

- sign -416.347+/-210.511 χ^2/NDF: 15.6/22



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 492.070+/-0.168 χ^2/NDF:370240.0/5

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

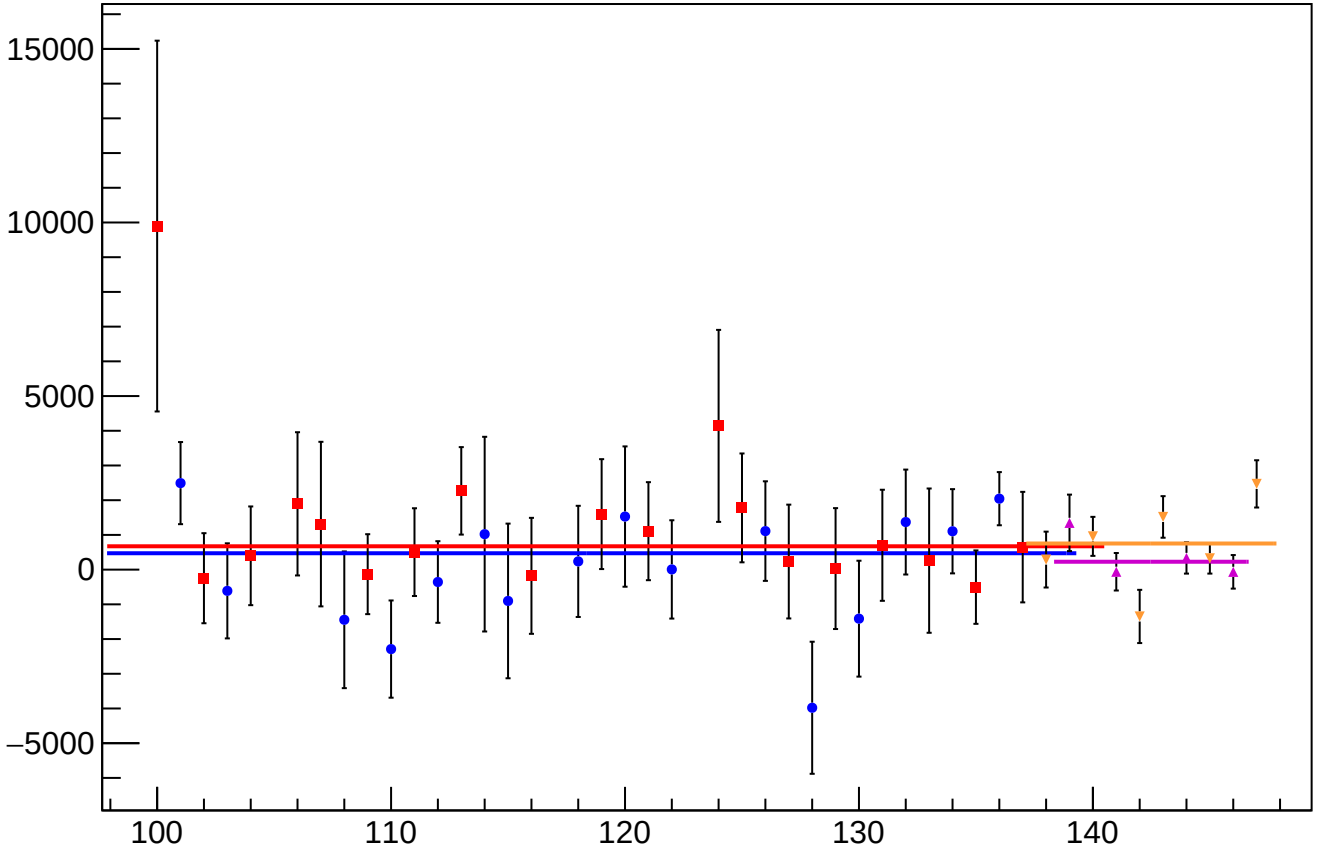
Left In: 478.580+/-0.186 χ^2/NDF:274695.9/3

+ sign 626.594+/-0.139 χ^2/NDF: 2930449.5/21

All: 635.467+/-0.102 χ^2/NDF: 5913833.2/44

- sign 645.665+/-0.149 χ^2/NDF: 2974606.7/22

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 752.552+/-246.026 χ^2/NDF:16.9/5

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

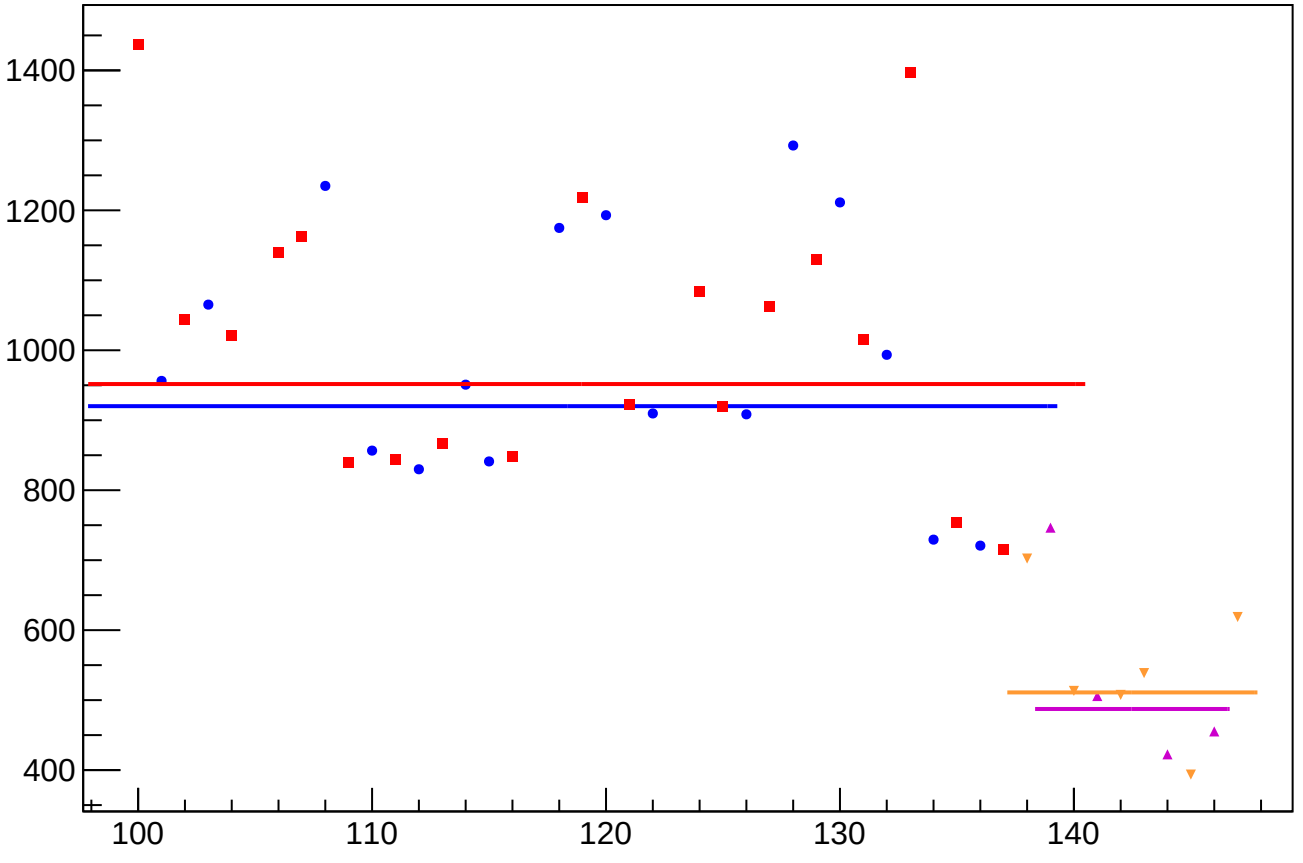
Left In: 227.063+/-266.151 χ^2/NDF:2.6/3

+ sign 659.909+/-201.346 χ^2/NDF: 38.8/21

All: 531.327+/-146.269 χ^2/NDF: 53.6/44

- sign 387.640+/-212.844 χ^2/NDF: 13.9/22

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 511.007+/-0.174 χ^2/NDF:309799.3/5

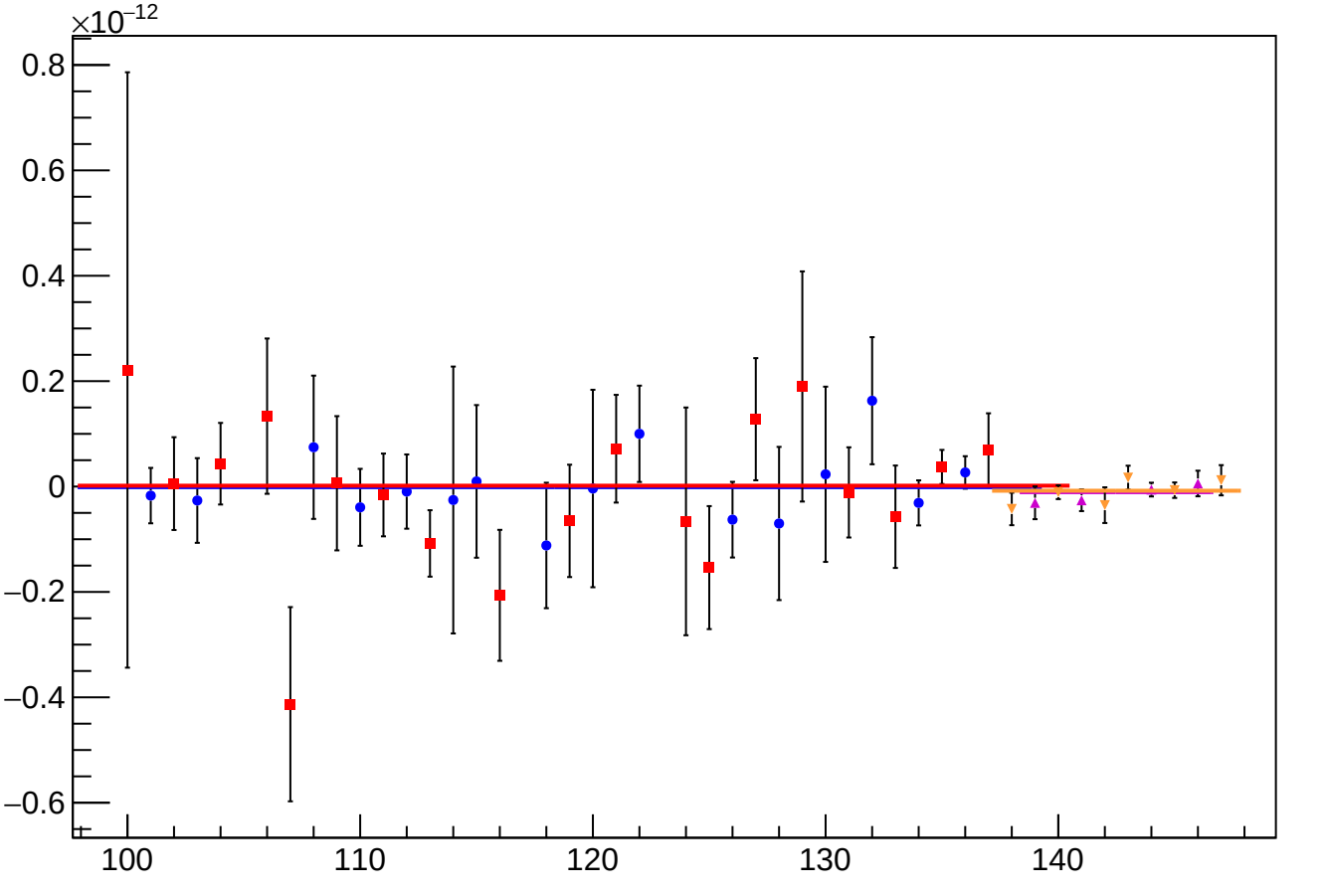
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 487.348+/-0.188 χ^2/NDF:255247.9/3

+ sign 646.111+/-0.142 χ^2/NDF: 2644827.5/21

All: 650.186+/-0.103 χ^2/NDF: 5512638.5/44

- sign 654.739+/-0.151 χ^2/NDF: 2866076.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

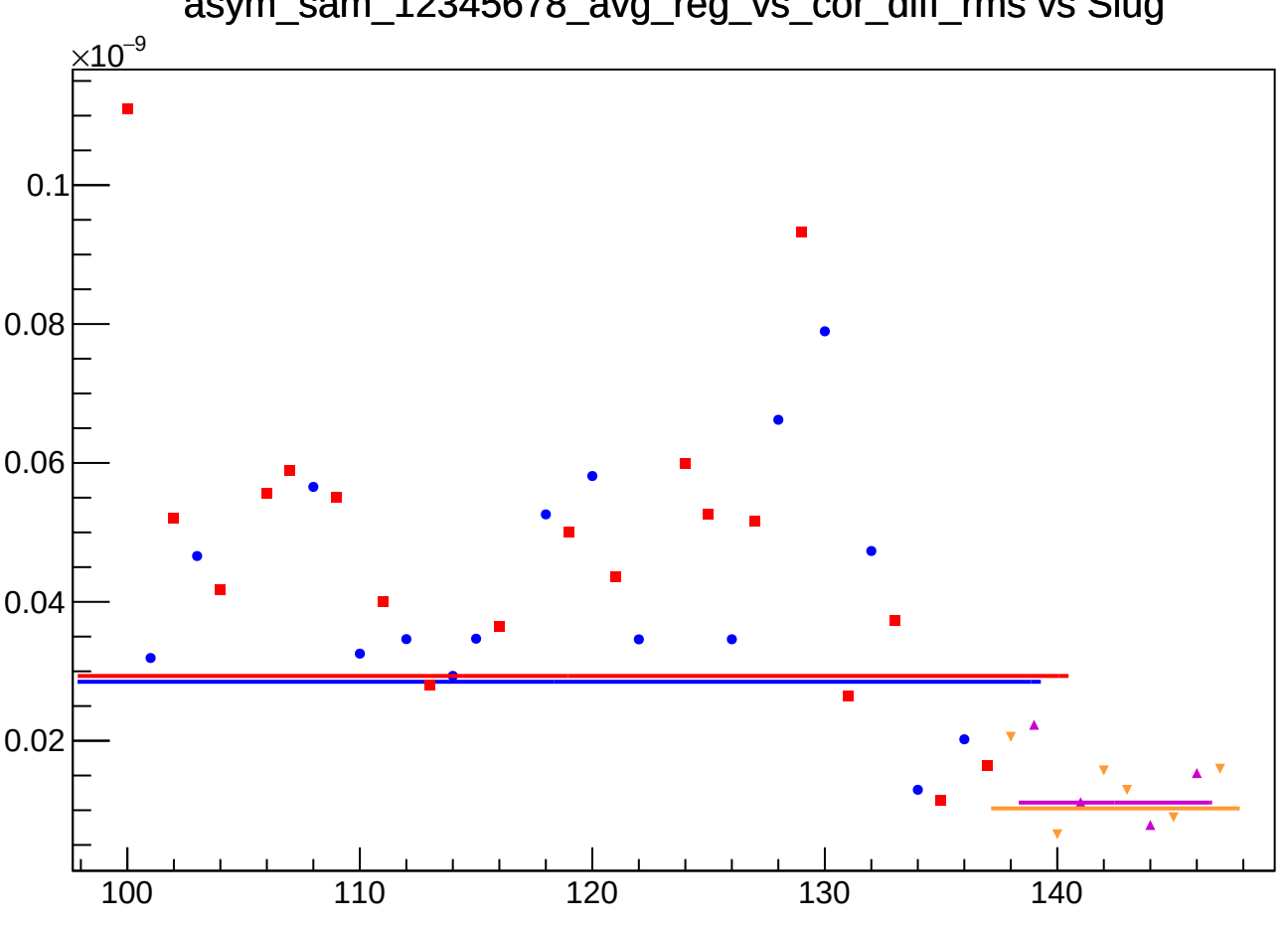
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 10.8/21

All: -0.000+/-0.000 χ^2/NDF: 32.1/44

- sign -0.000+/-0.000 χ^2/NDF: 21.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:559349.1/5

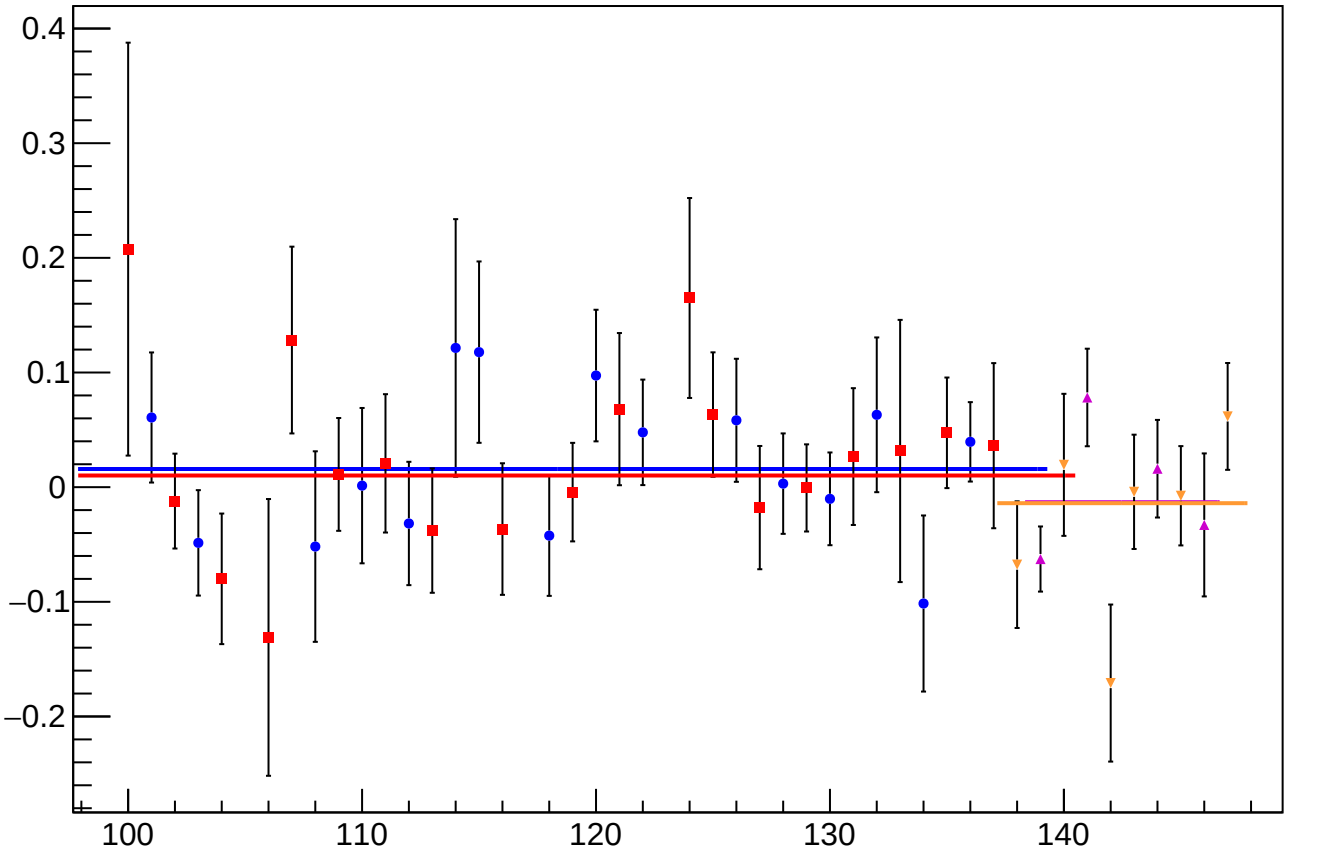
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:443112.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 3471104.4/21

All: 0.000+/-0.000 χ^2/NDF: 7026685.1/44

- sign 0.000+/-0.000 χ^2/NDF: 3527142.8/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

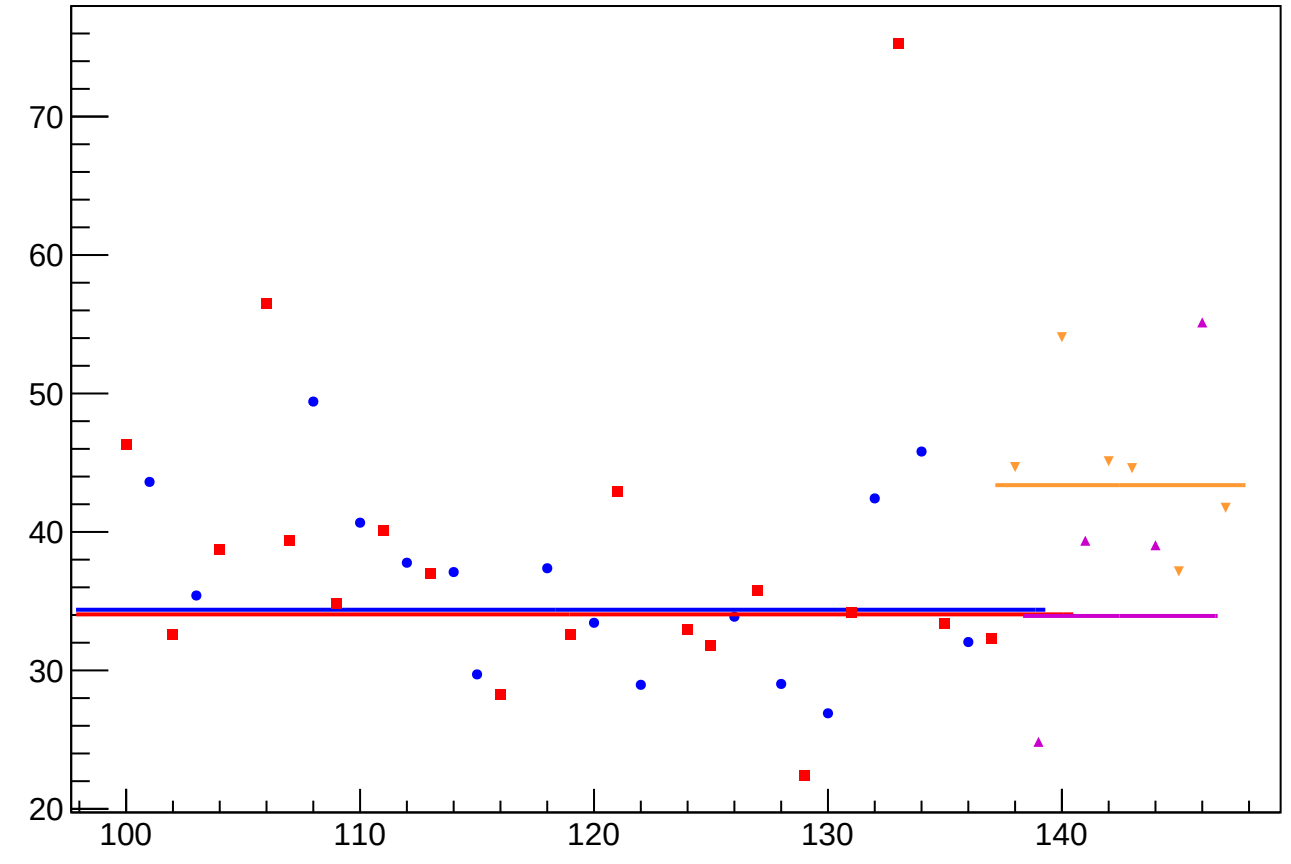
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.005+/-0.008 χ^2/NDF: 49.8/44

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.379+/-0.015 χ^2/NDF:106930.2/5

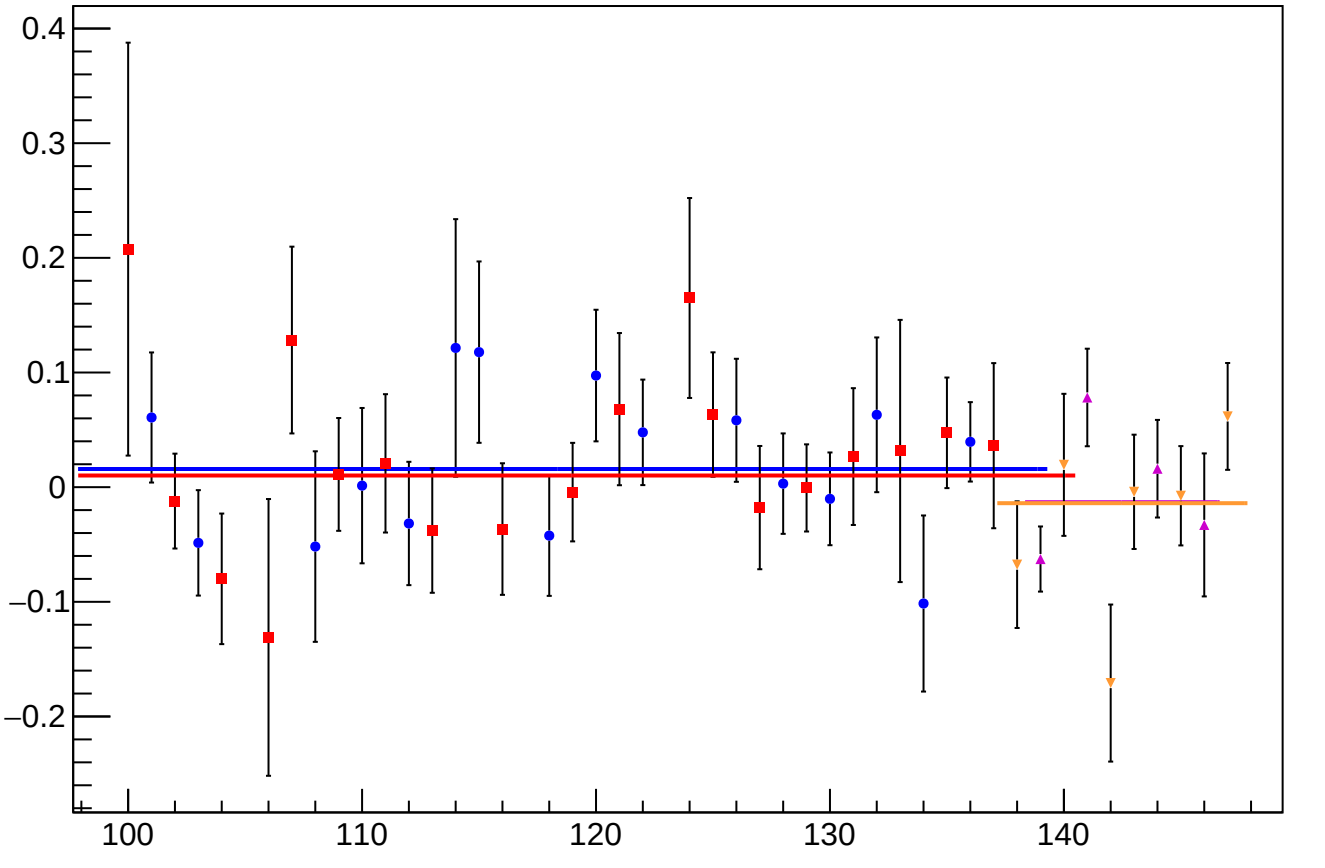
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

+ sign 36.927+/-0.008 χ^2/NDF: 730044.7/21

All: 35.418+/-0.006 χ^2/NDF: 1938670.7/44

- sign 34.012+/-0.008 χ^2/NDF: 1140278.3/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

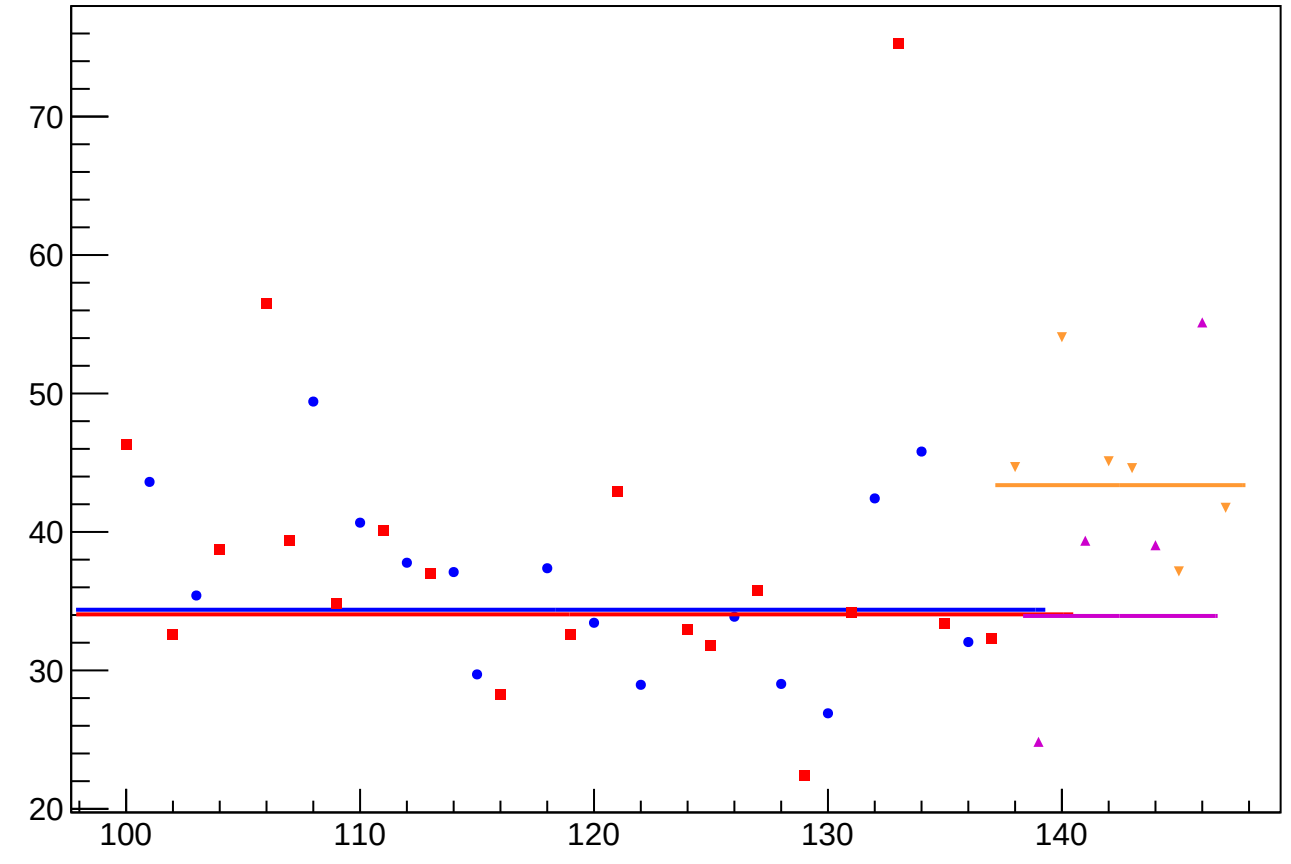
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.005+/-0.008 χ^2/NDF: 49.8/44

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.379+/-0.015 χ^2/NDF:106930.2/5

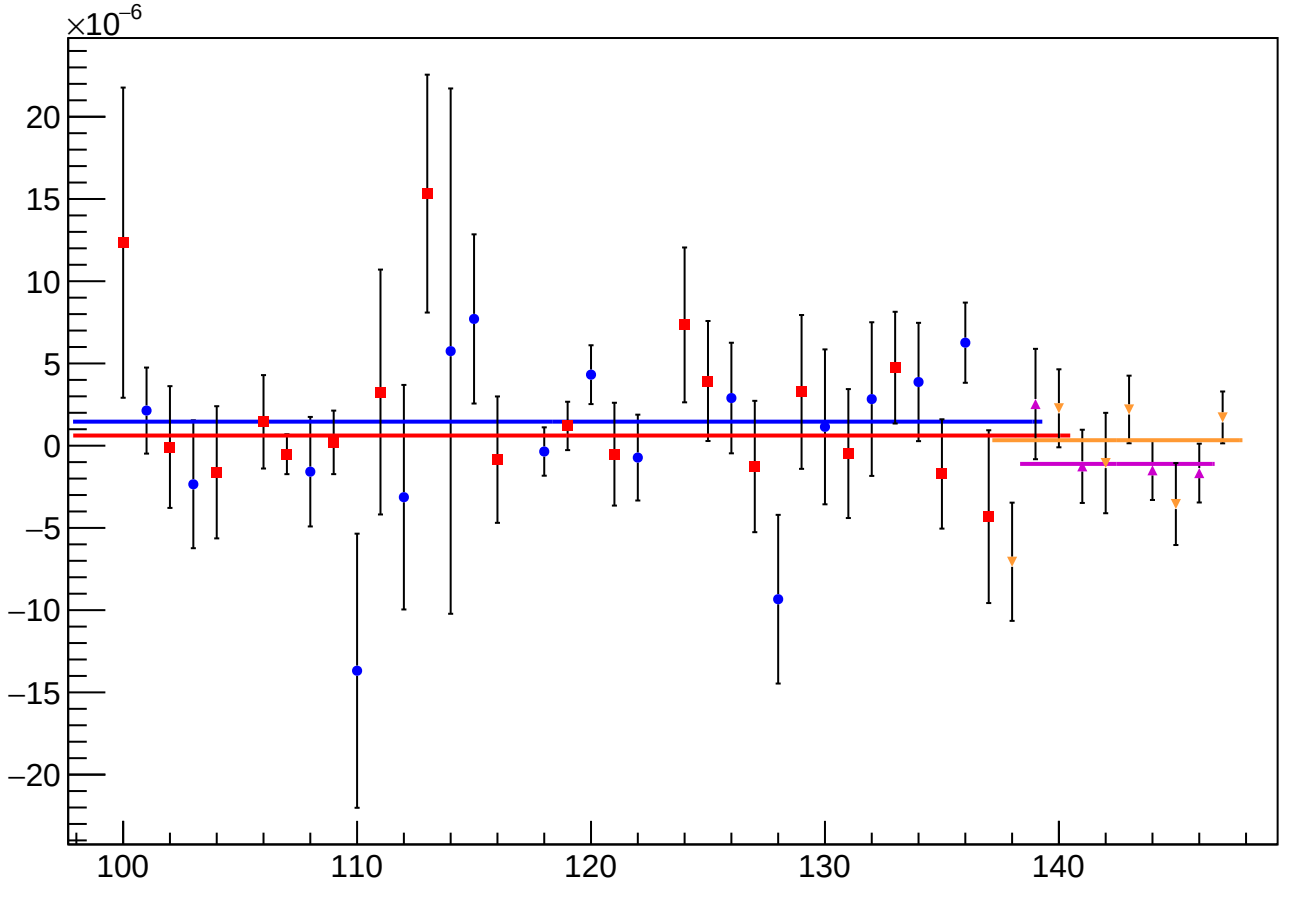
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

+ sign 36.927+/-0.008 χ^2/NDF: 730044.7/21

All: 35.418+/-0.006 χ^2/NDF: 1938670.7/44

- sign 34.012+/-0.008 χ^2/NDF: 1140278.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/5

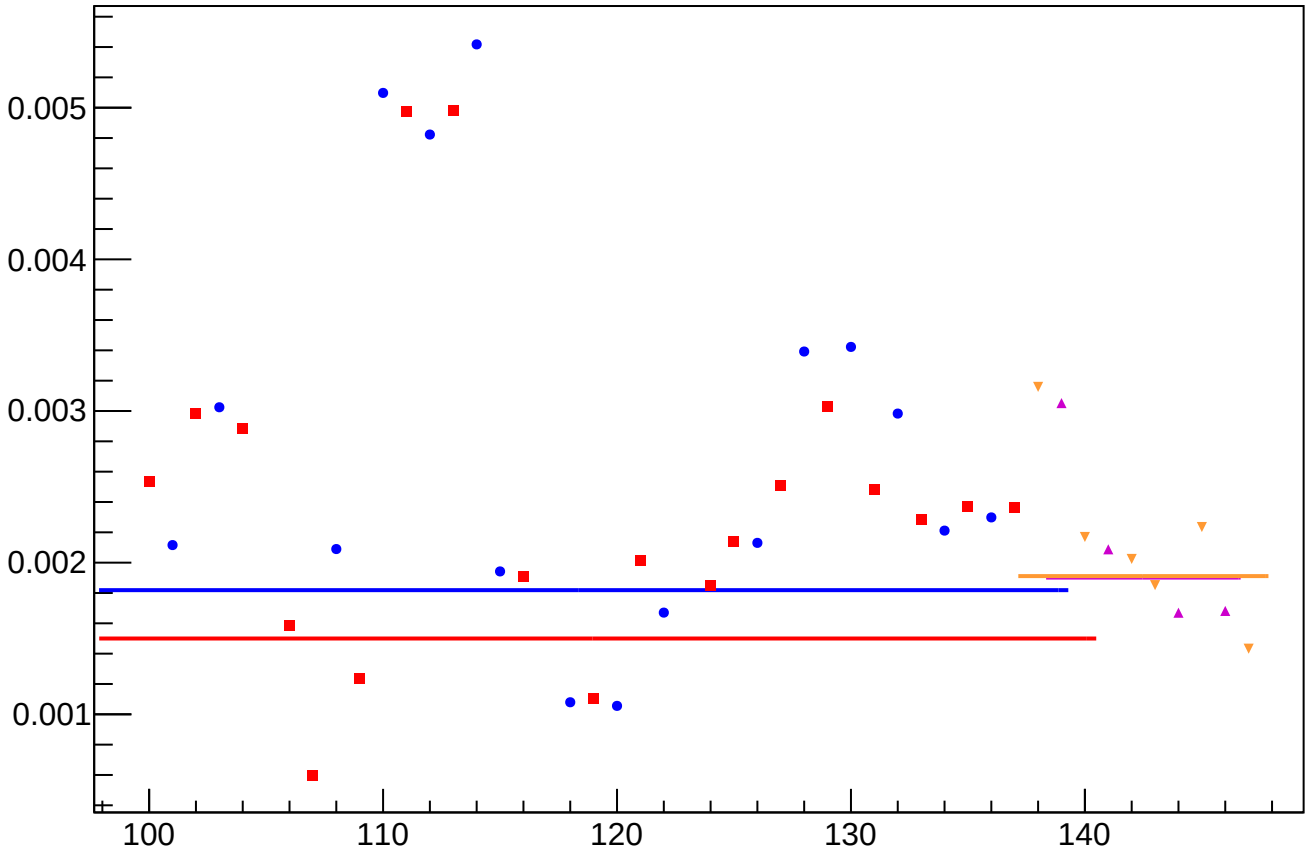
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/21

All: 0.000+/-0.000 χ^2/NDF: 49.4/44

- sign 0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:487264.7/5

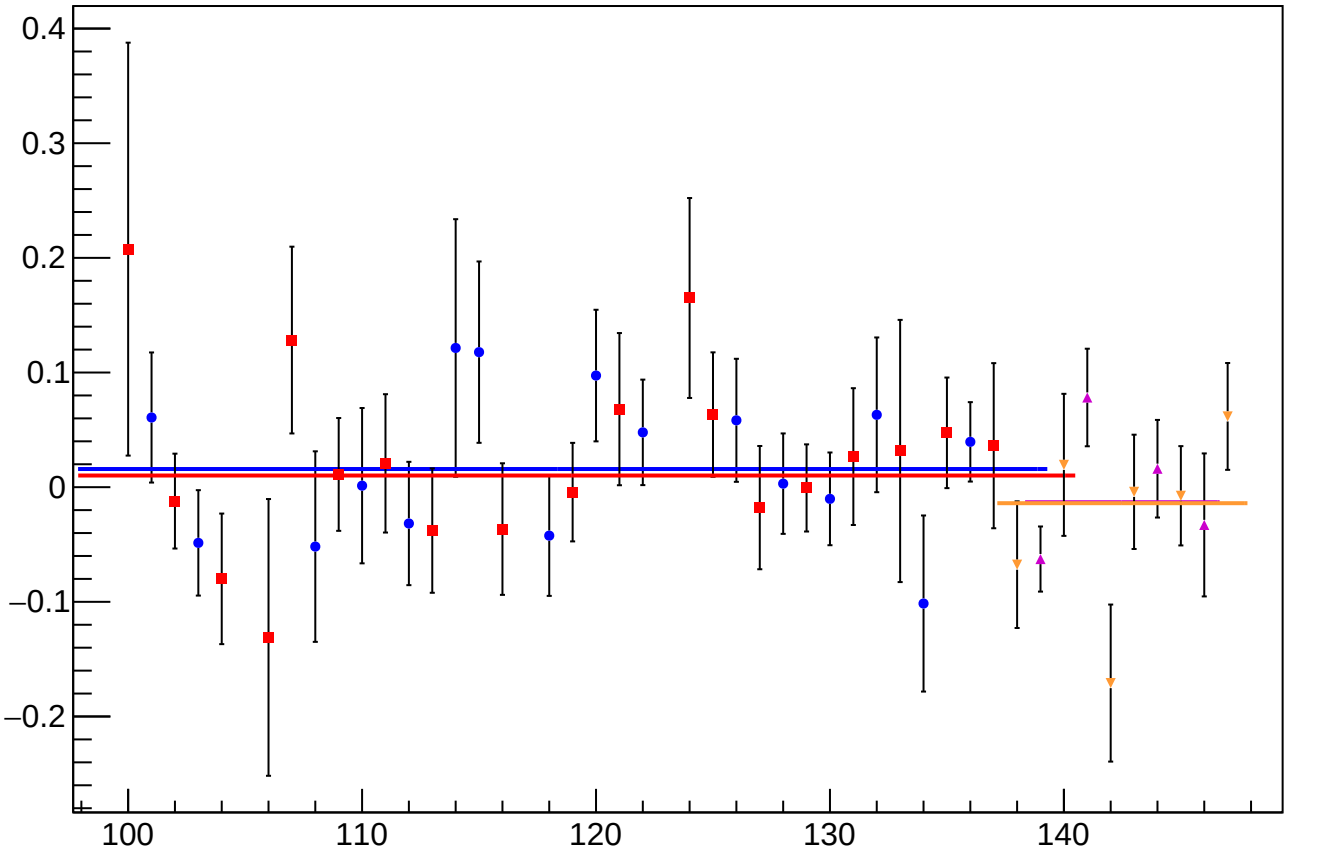
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:312400.3/3

+ sign 0.002+/-0.000 χ^2/NDF: 3069551.4/21

All: 0.002+/-0.000 χ^2/NDF: 7470663.8/44

- sign 0.002+/-0.000 χ^2/NDF: 4214783.5/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

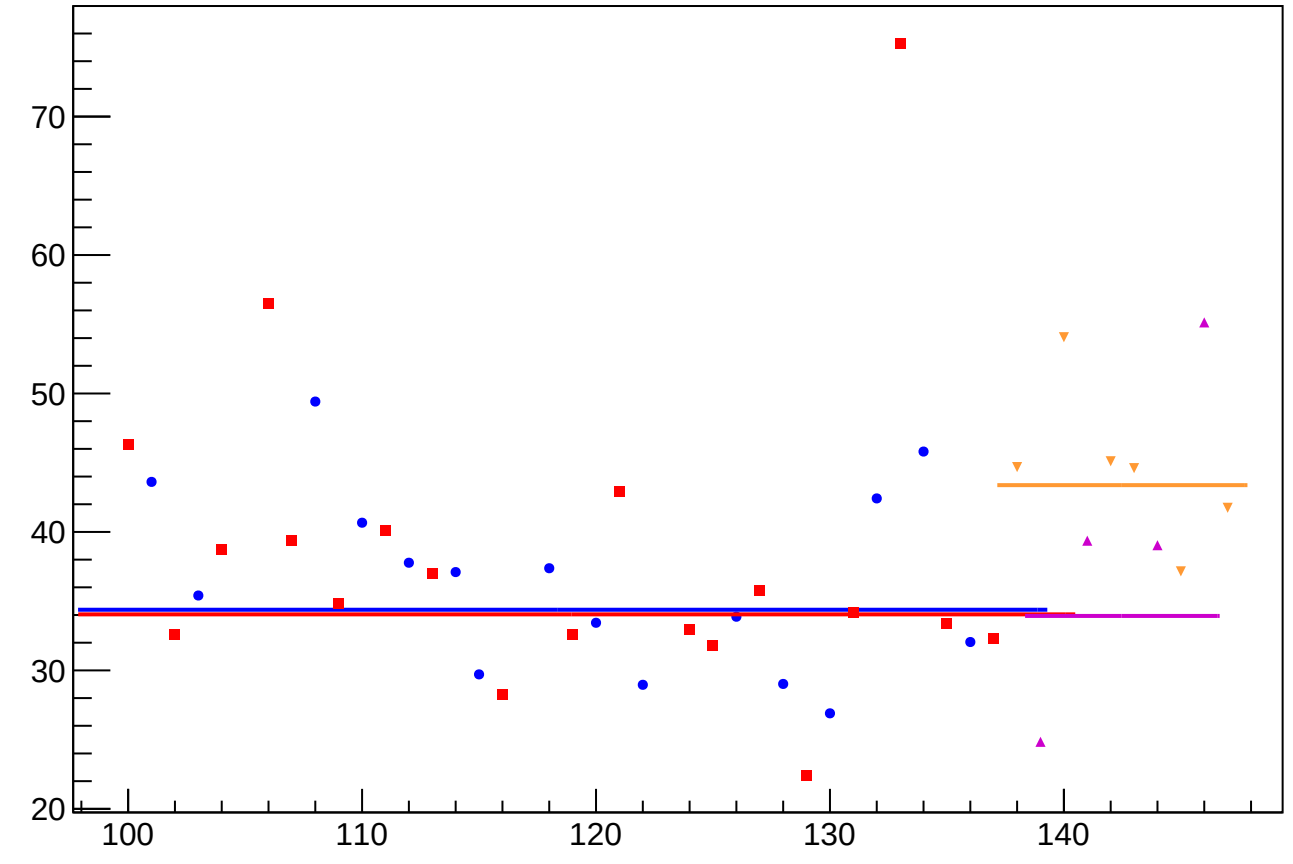
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.005+/-0.008 χ^2/NDF: 49.8/44

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 43.380+/-0.015 χ^2/NDF:106916.8/5

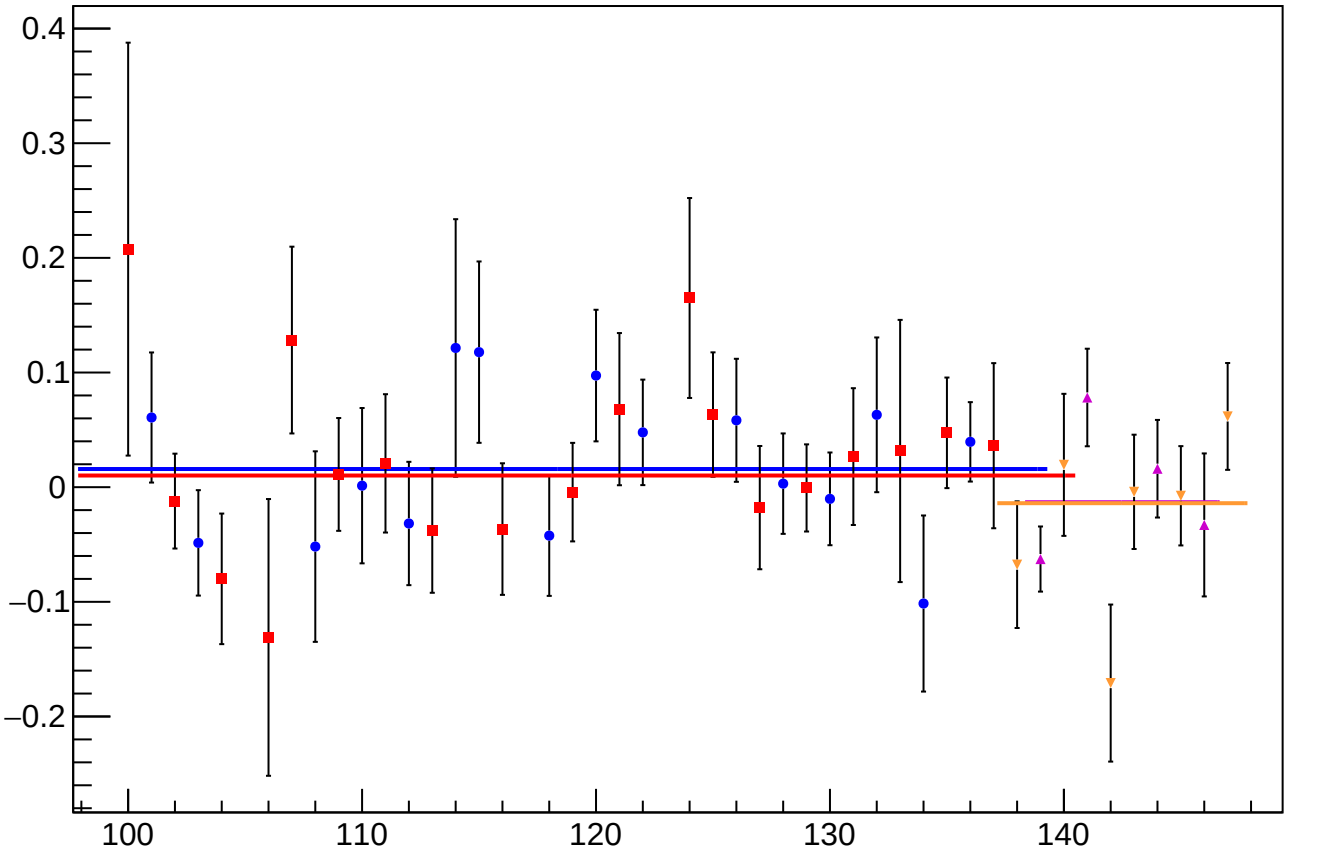
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

+ sign 36.926+/-0.008 χ^2/NDF: 730162.0/21

All: 35.418+/-0.006 χ^2/NDF: 1938833.0/44

- sign 34.011+/-0.008 χ^2/NDF: 1140333.6/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

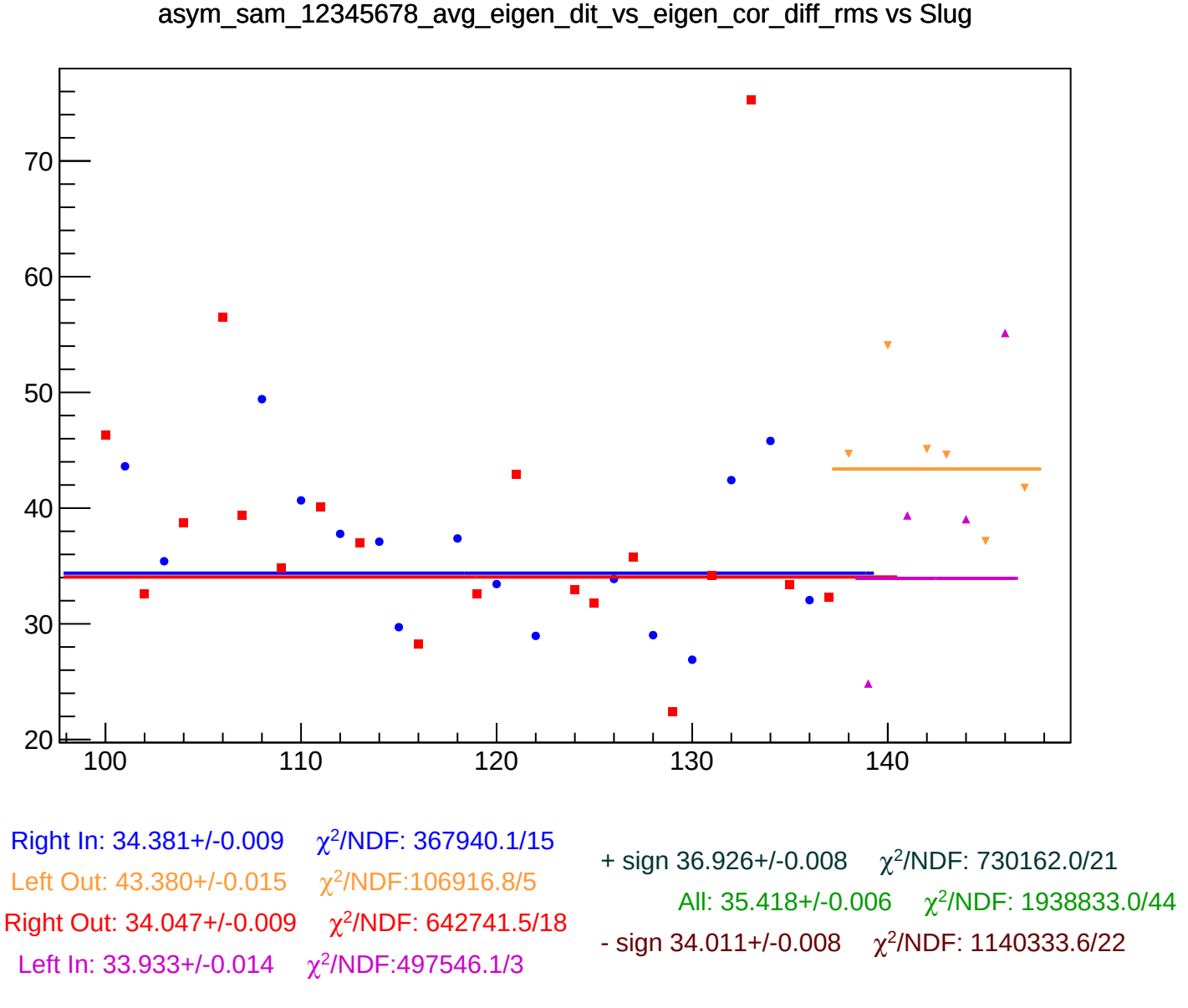
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

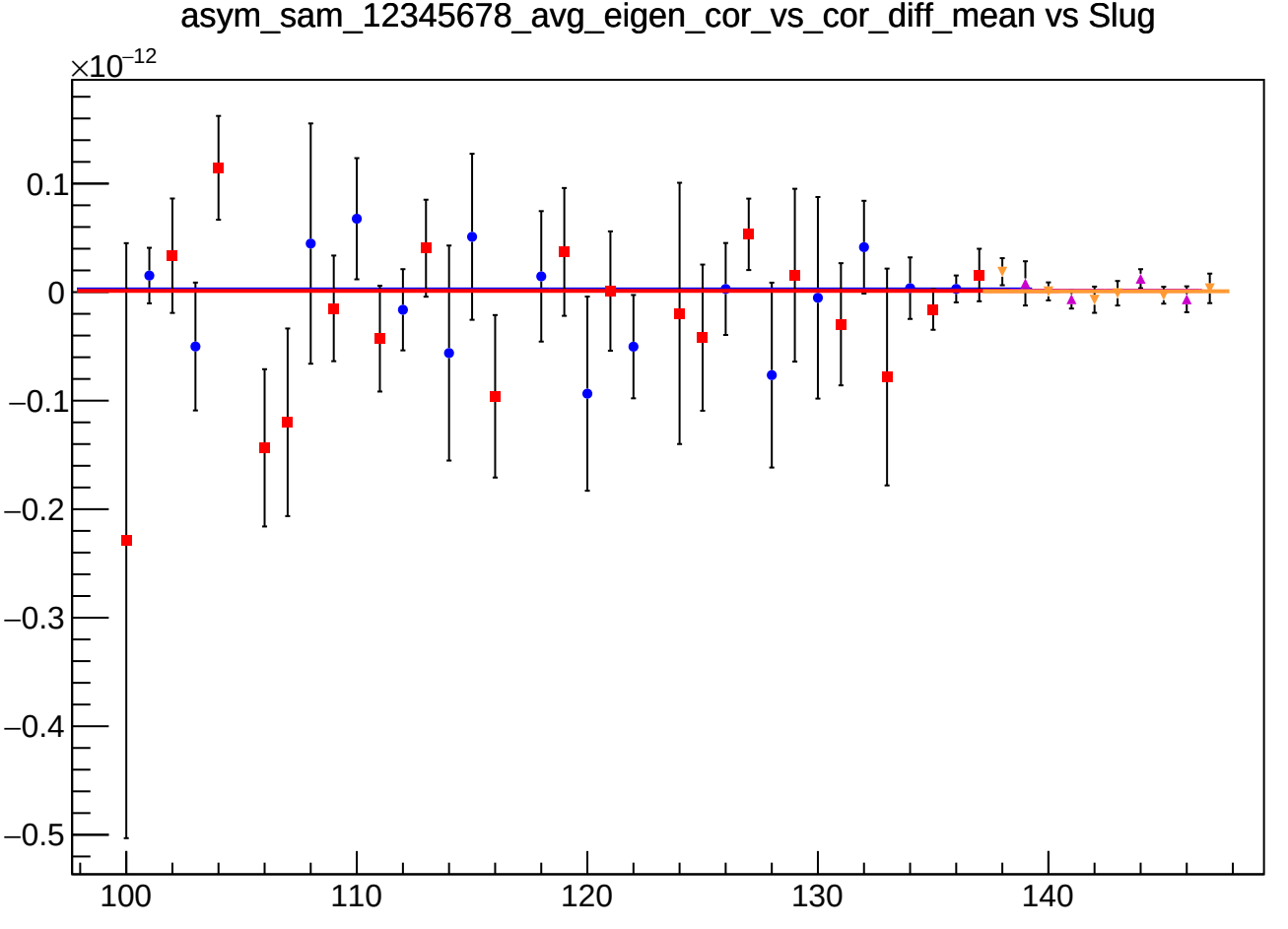
Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.005+/-0.008 χ^2/NDF: 49.8/44

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 43.380+/-0.015 χ²/NDF:106916.8/5
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 33.933+/-0.014 χ²/NDF:497546.1/3
+ sign 36.926+/-0.008 χ²/NDF: 730162.0/21
All: 35.418+/-0.006 χ²/NDF: 1938833.0/44
- sign 34.011+/-0.008 χ²/NDF: 1140333.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

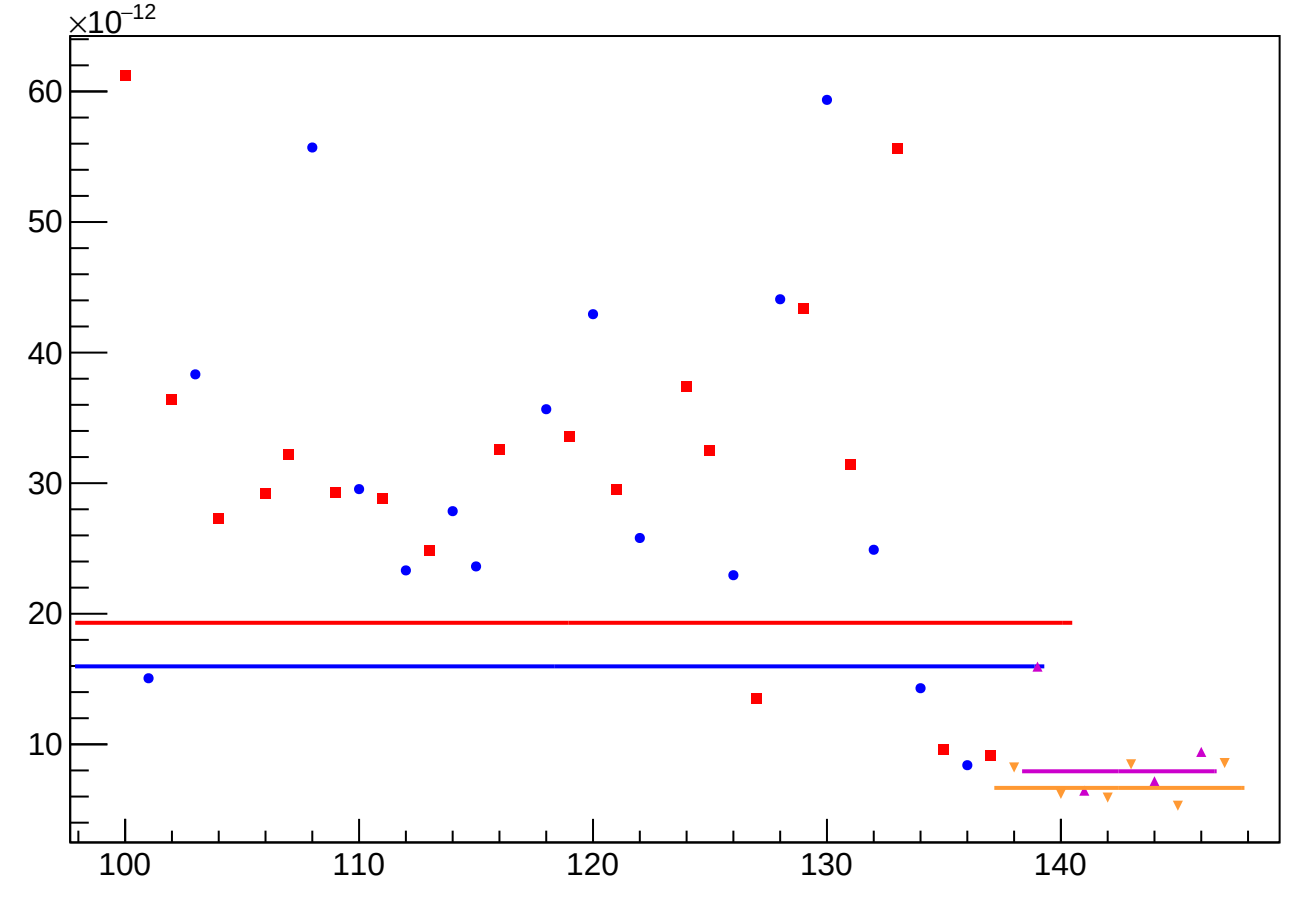
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 10.5/21

All: 0.000+/-0.000 χ^2/NDF: 34.9/44

- sign 0.000+/-0.000 χ^2/NDF: 24.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:197227.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

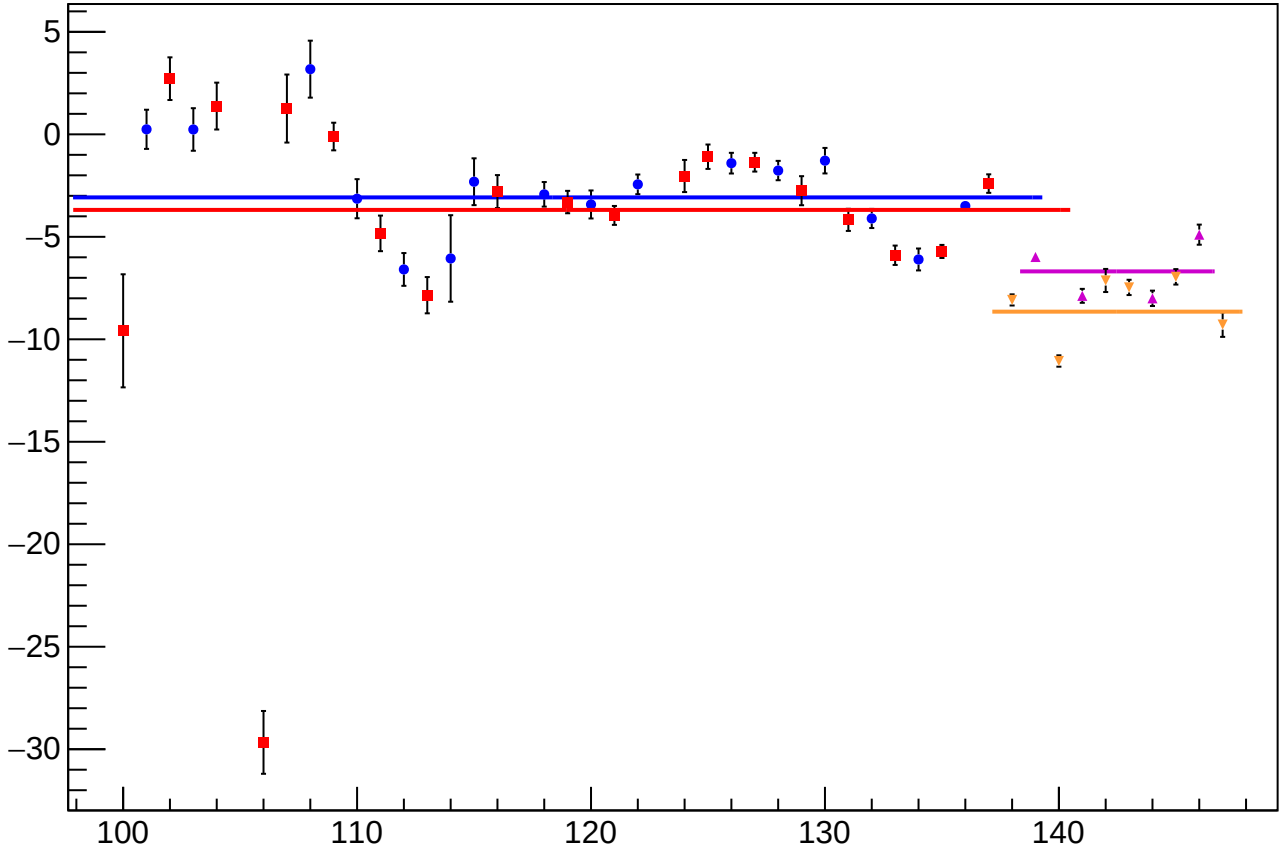
Left In: 0.000+/-0.000 χ^2/NDF:414578.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4874994.8/21

All: 0.000+/-0.000 χ^2/NDF: 9899512.4/44

- sign 0.000+/-0.000 χ^2/NDF: 4814185.1/22

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.651+/-0.146 χ^2/NDF:118.4/5

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

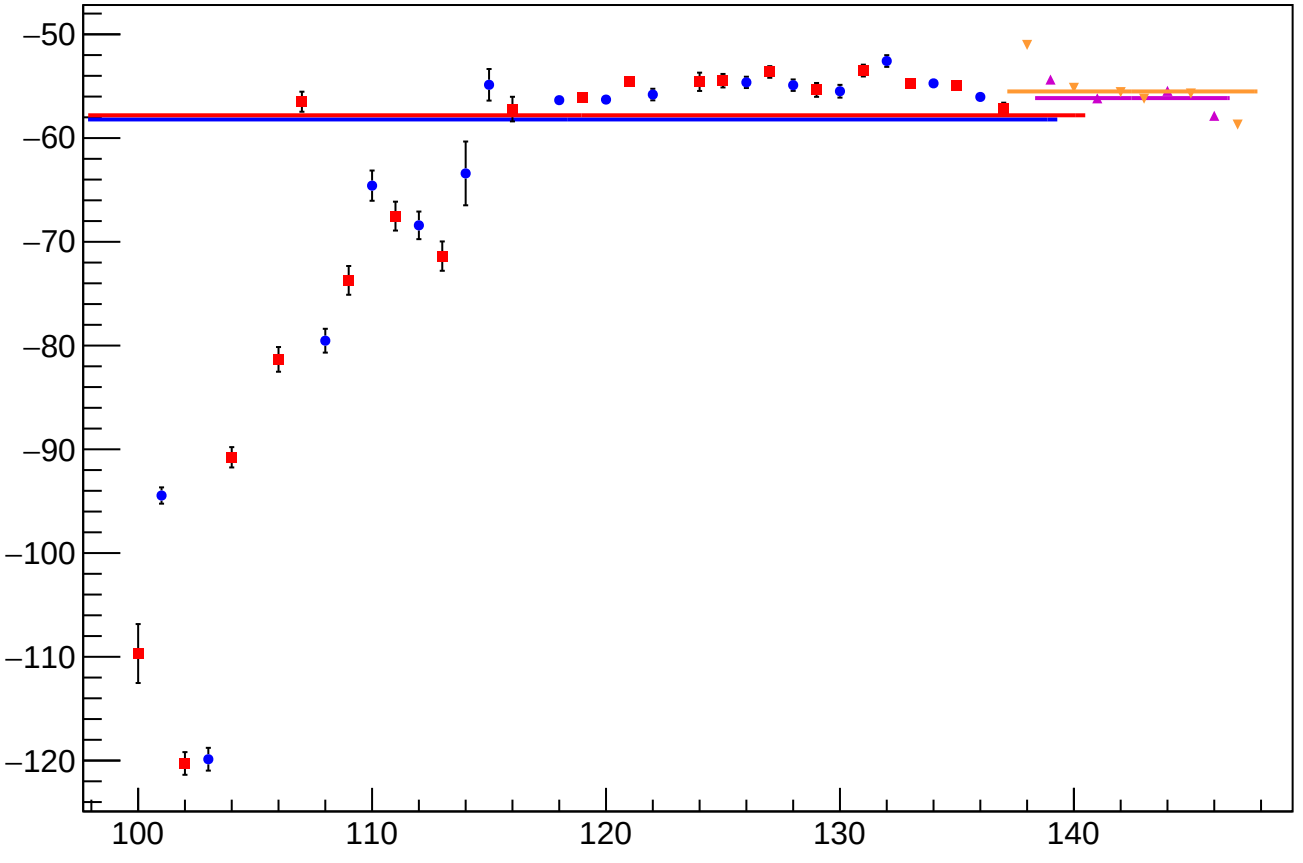
Left In: -6.687+/-0.164 χ^2/NDF:46.5/3

+ sign -5.644+/-0.099 χ^2/NDF: 1034.7/21

All: -5.324+/-0.073 χ^2/NDF: 1831.9/44

- sign -4.955+/-0.107 χ^2/NDF: 774.9/22

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.505+/-0.118 χ^2/NDF:342.7/5

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

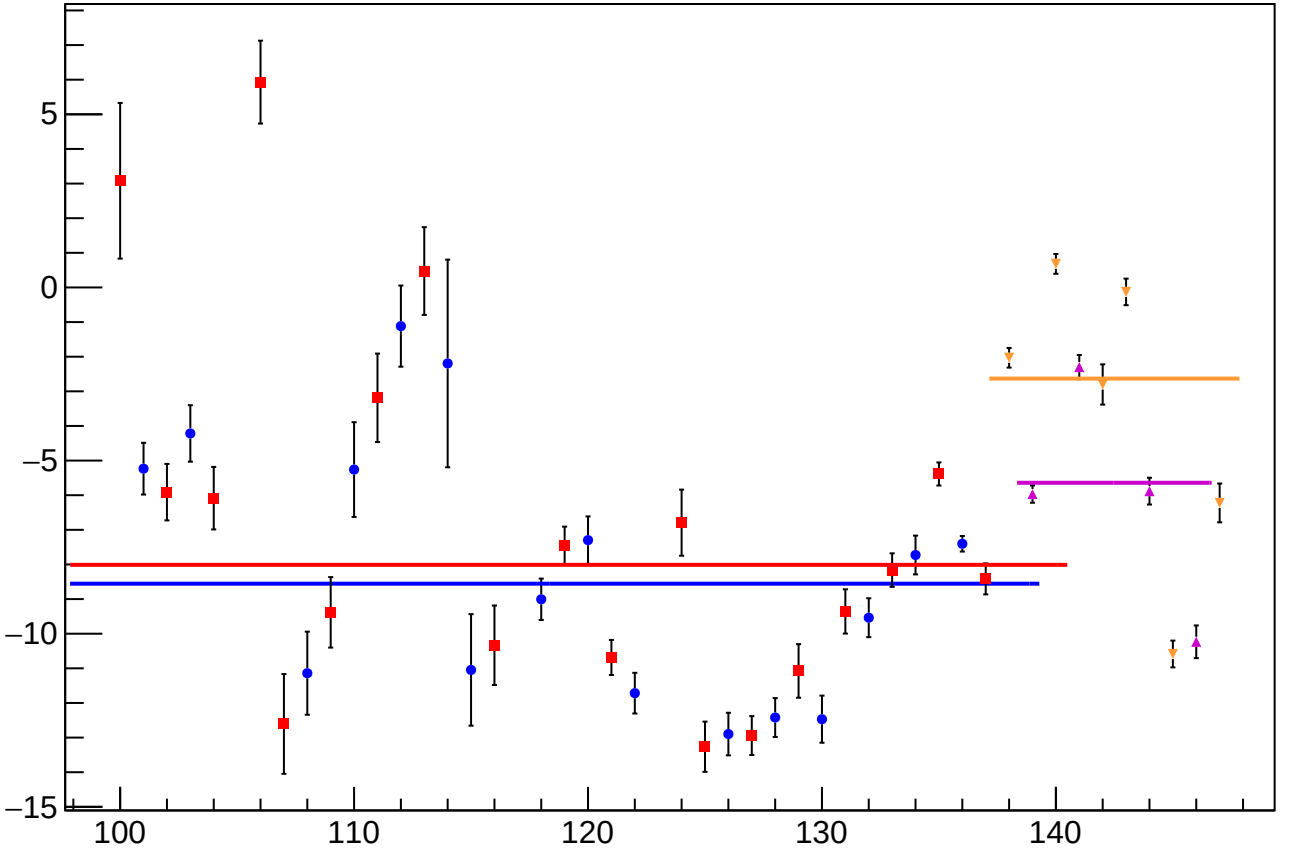
Left In: -56.147+/-0.150 χ^2/NDF:54.3/3

+ sign -56.673+/-0.089 χ^2/NDF: 6694.6/21

All: -56.832+/-0.067 χ^2/NDF: 12615.0/44

- sign -57.040+/-0.102 χ^2/NDF: 5913.0/22

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.632+/-0.150 χ^2/NDF:645.8/5

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

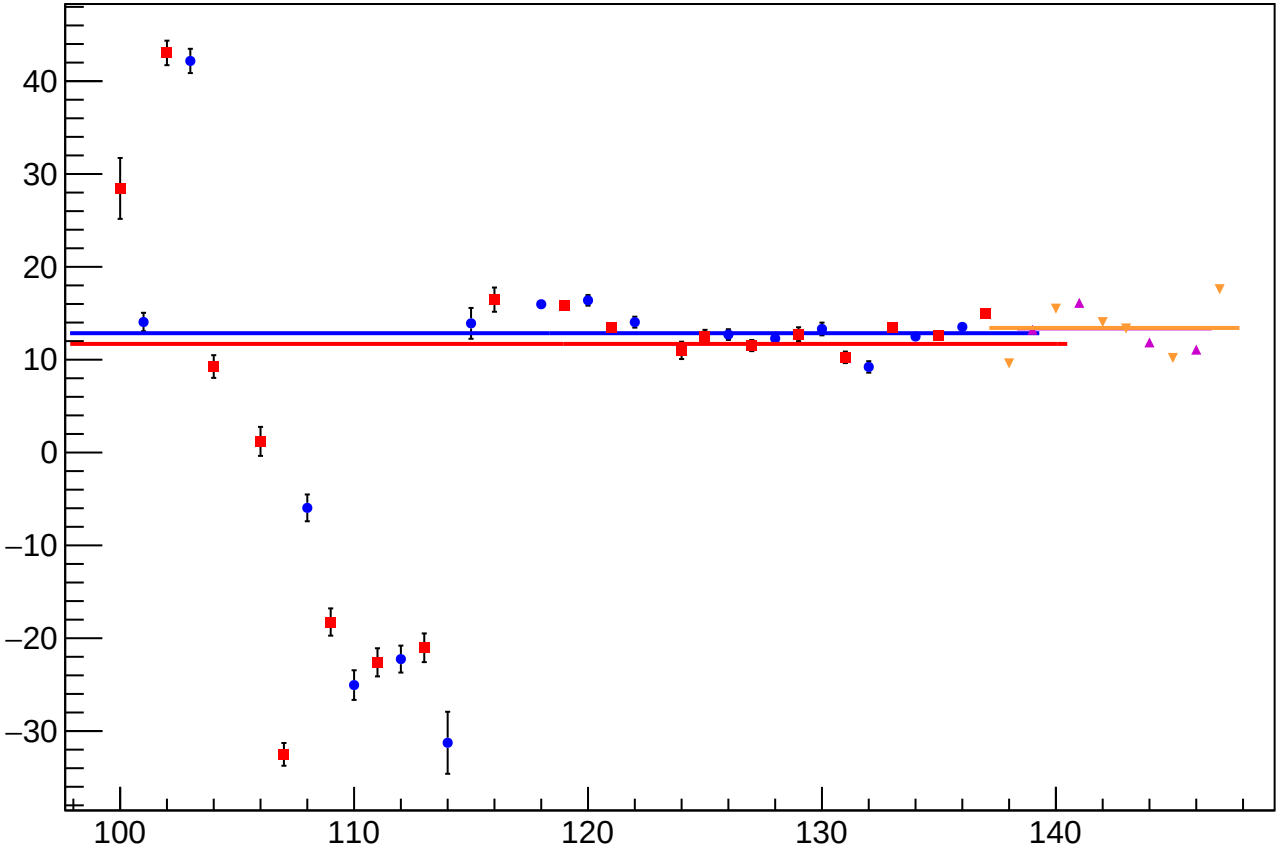
Left In: -5.641+/-0.168 χ^2/NDF:188.5/3

+ sign -5.705+/-0.104 χ^2/NDF: 1752.6/21

All: -6.271+/-0.077 χ^2/NDF: 2603.6/44

- sign -6.938+/-0.113 χ^2/NDF: 786.7/22

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.421+/-0.141 χ^2/NDF:379.7/5

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

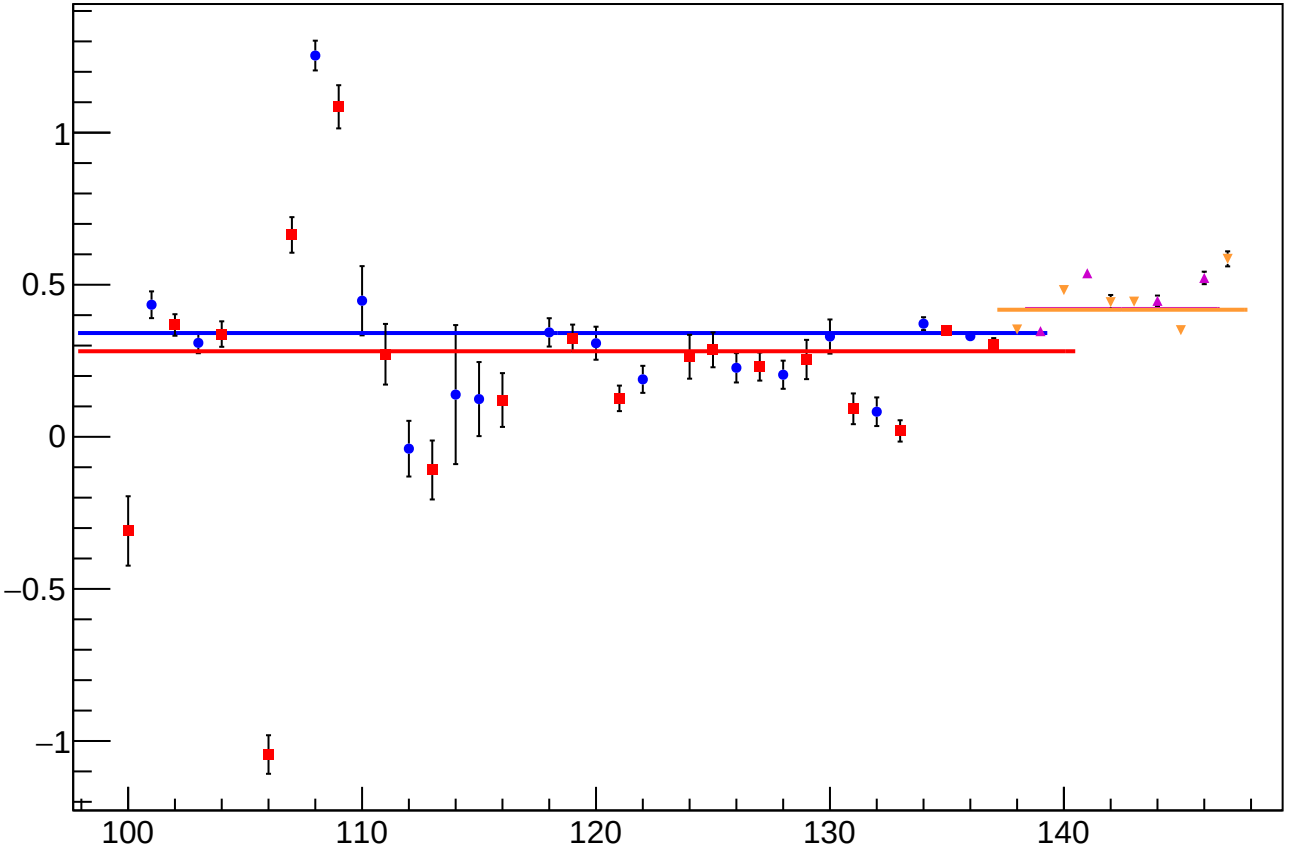
Left In: 13.368+/-0.172 χ^2/NDF:144.3/3

+ sign 13.155+/-0.103 χ^2/NDF: 2515.8/21

All: 12.841+/-0.077 χ^2/NDF: 6231.7/44

- sign 12.445+/-0.115 χ^2/NDF: 3694.8/22

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.418+/-0.006 χ^2/NDF:130.2/5

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

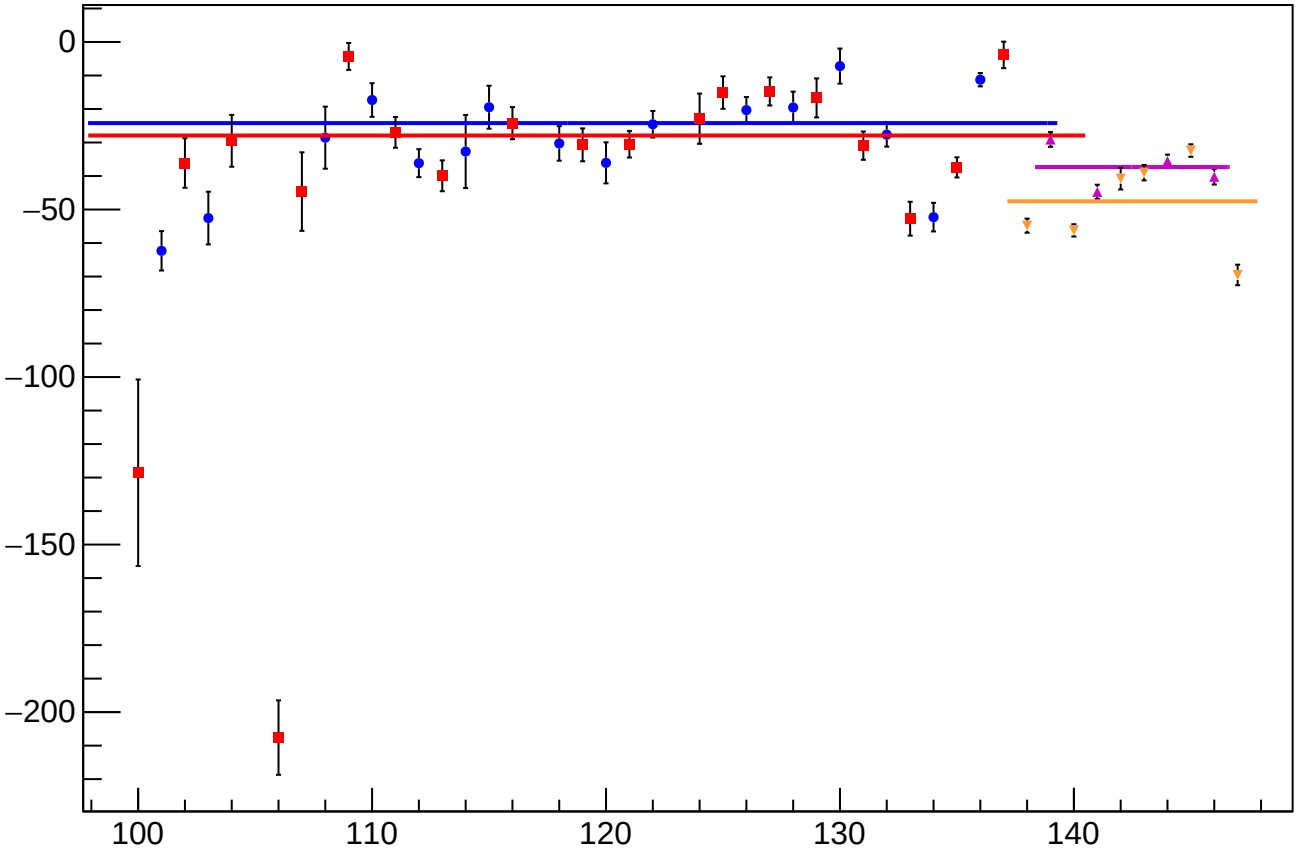
Left In: 0.420+/-0.007 χ^2/NDF:162.2/3

+ sign 0.389+/-0.005 χ^2/NDF: 623.6/21

All: 0.379+/-0.004 χ^2/NDF: 1740.0/44

- sign 0.368+/-0.005 χ^2/NDF: 1108.1/22

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.550+/-0.914 χ^2/NDF:169.0/5

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

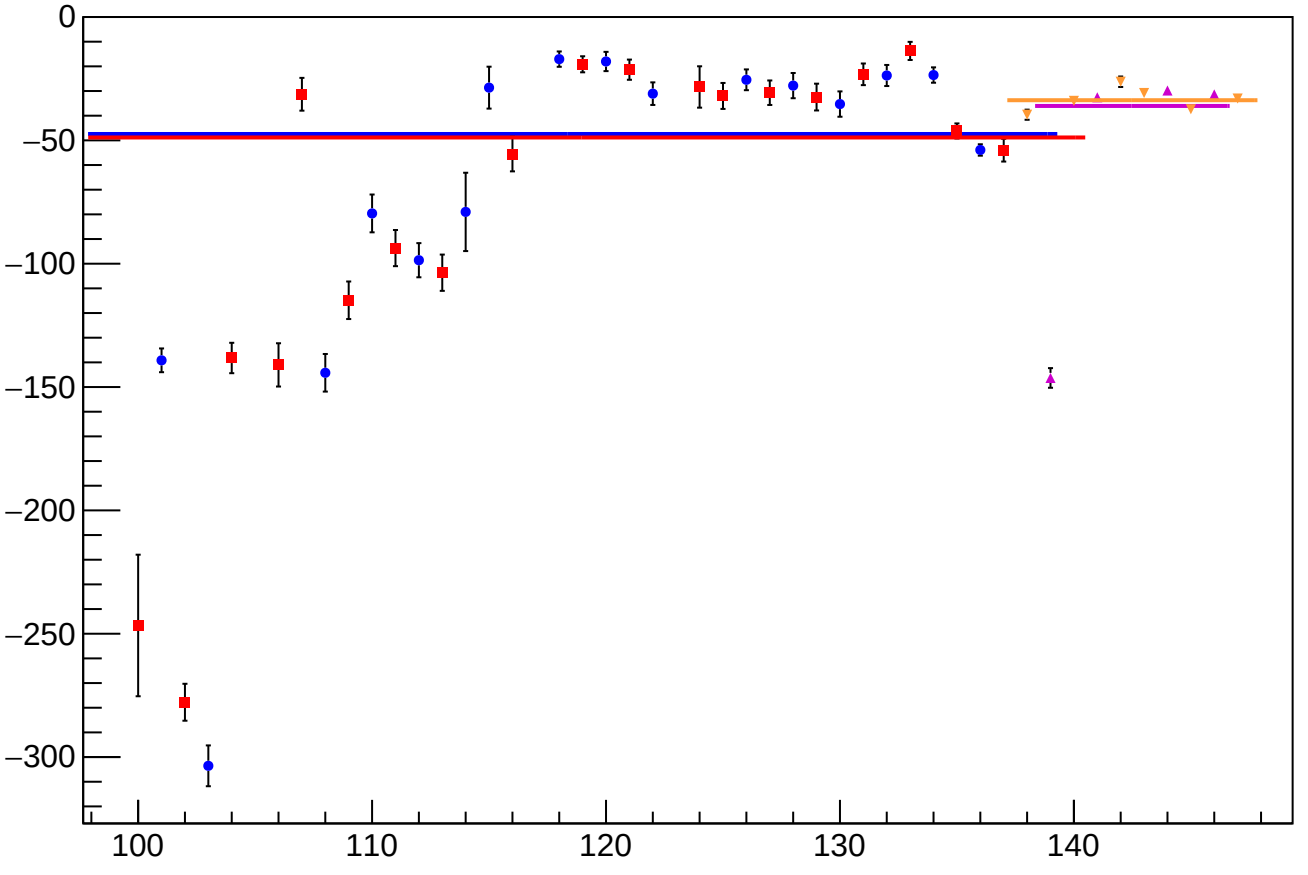
Left In: -37.318+/-1.070 χ^2/NDF:28.4/3

+ sign -37.871+/-0.700 χ^2/NDF: 610.0/21

All: -35.652+/-0.520 χ^2/NDF: 1110.7/44

- sign -32.899+/-0.779 χ^2/NDF: 478.1/22

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.728+/-0.678 χ^2/NDF:29.7/5

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

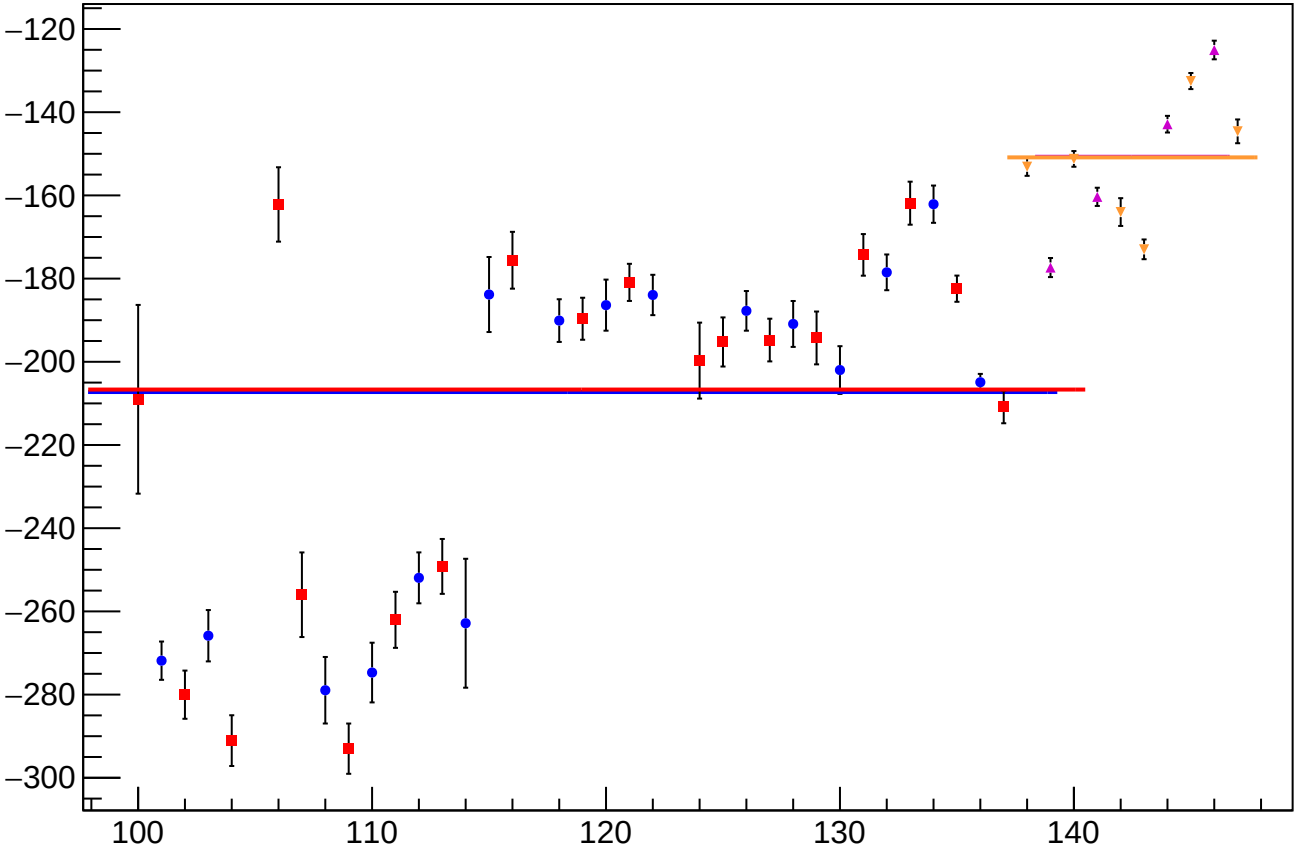
Left In: -36.050+/-0.820 χ^2/NDF:801.0/3

+ sign -37.495+/-0.577 χ^2/NDF: 2015.3/21

All: -38.641+/-0.438 χ^2/NDF: 4679.1/44

- sign -40.202+/-0.674 χ^2/NDF: 2654.5/22

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.864+/-0.934 χ^2/NDF:198.2/5

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

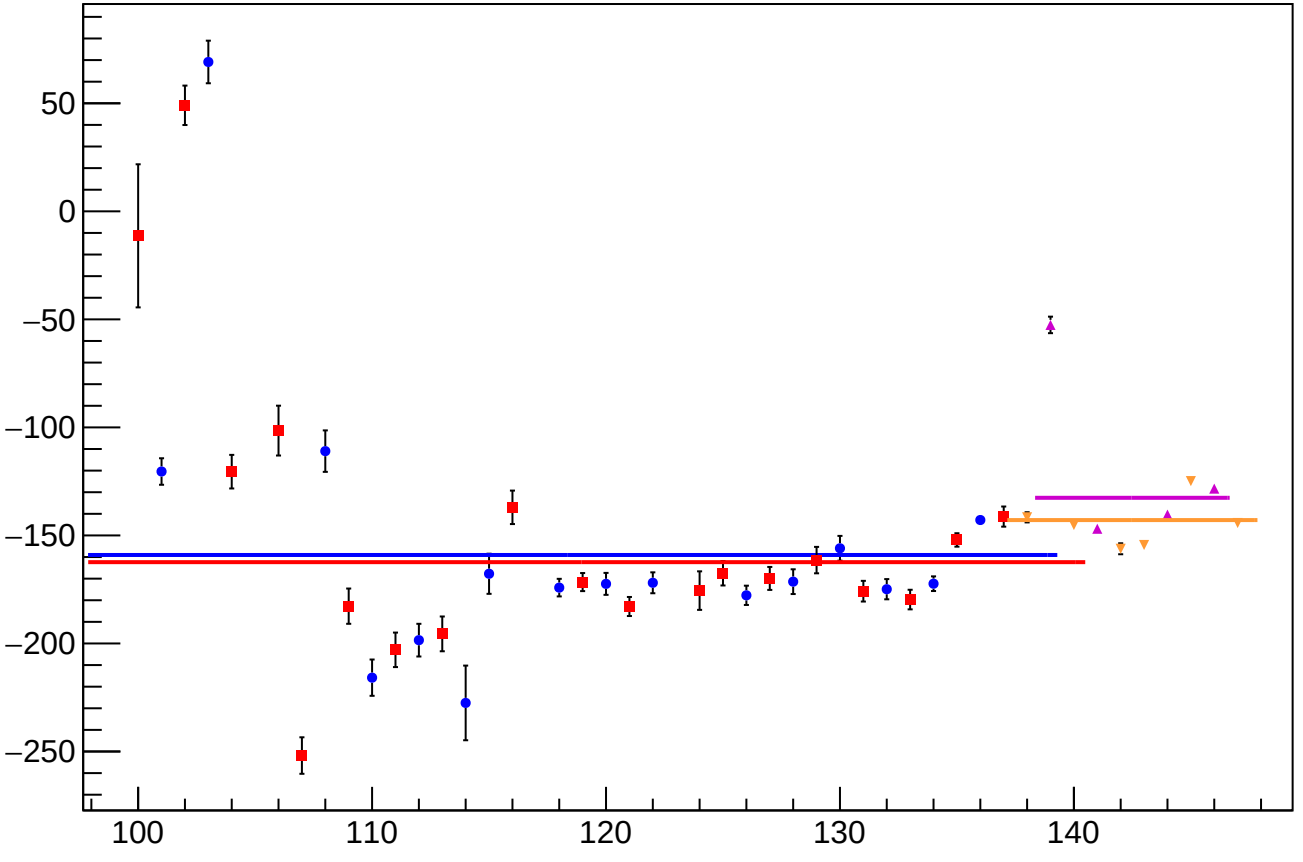
Left In: -150.715+/-1.087 χ^2/NDF:300.4/3

+ sign -172.640+/-0.732 χ^2/NDF: 2353.3/21

All: -173.309+/-0.549 χ^2/NDF: 4736.1/44

- sign -174.166+/-0.828 χ^2/NDF: 2381.0/22

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -142.898+/-0.822 χ^2/NDF:168.9/5

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

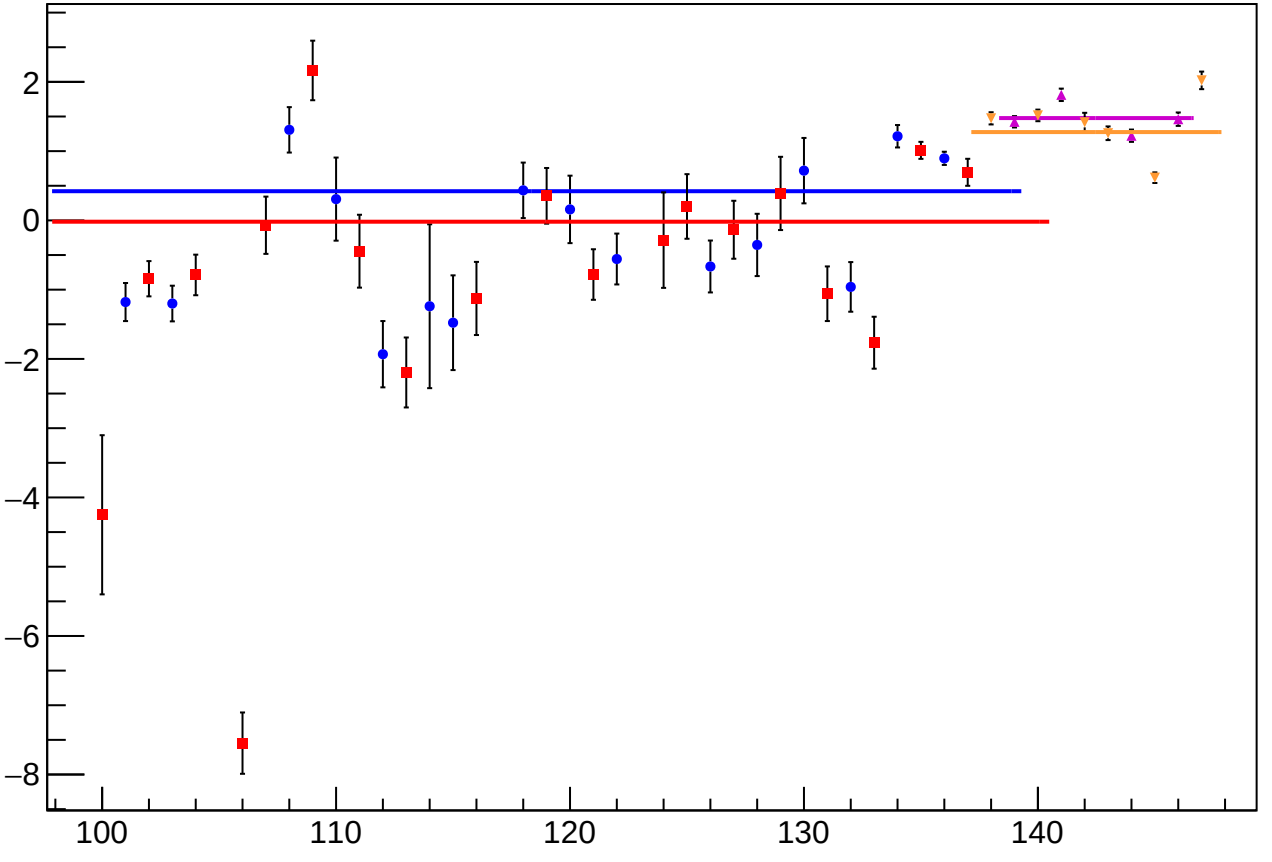
Left In: -132.583+/-0.977 χ^2/NDF:525.1/3

+ sign -147.910+/-0.683 χ^2/NDF: 1104.5/21

All: -145.832+/-0.515 χ^2/NDF: 2851.4/44

- sign -143.078+/-0.786 χ^2/NDF: 1725.4/22

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.275+/-0.039 χ^2/NDF:122.7/5

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

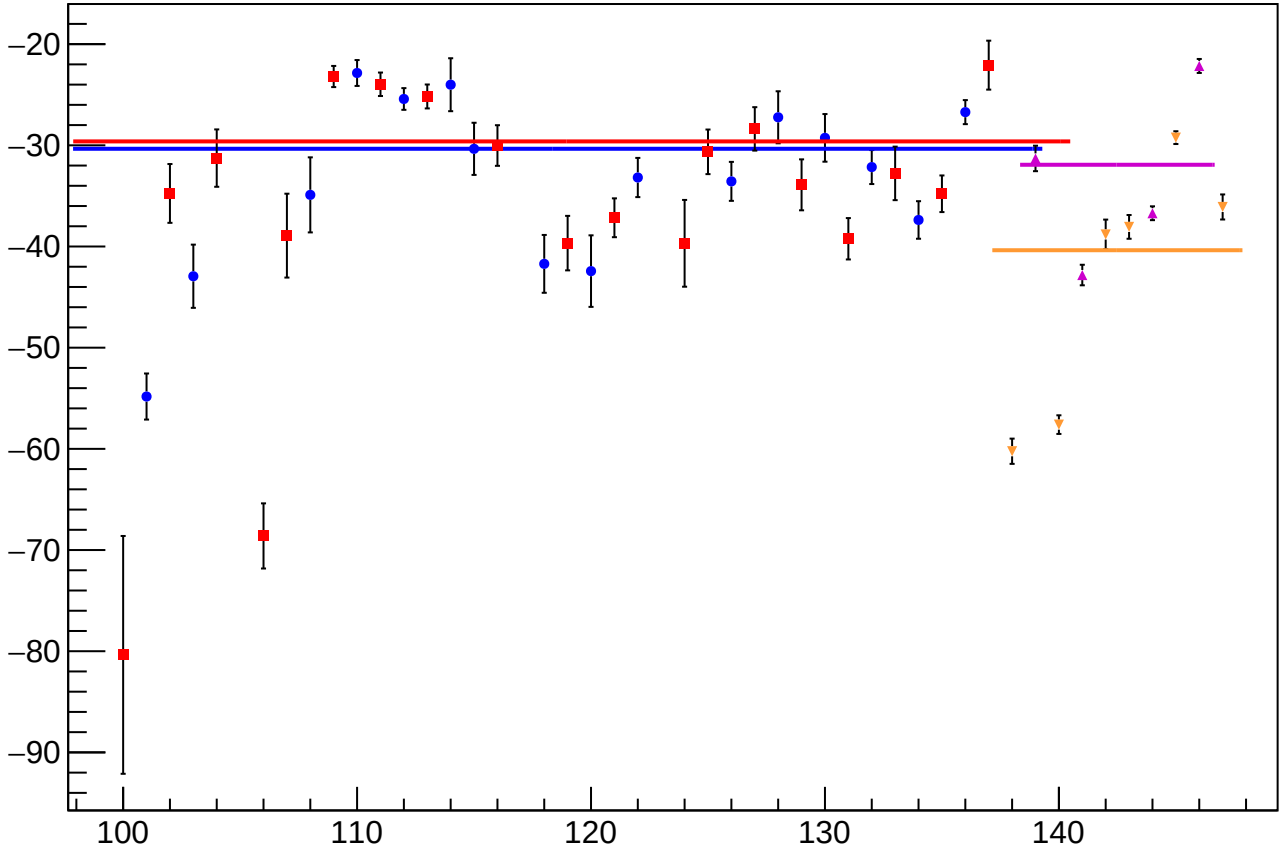
Left In: 1.477+/-0.044 χ^2/NDF:22.7/3

+ sign 1.049+/-0.033 χ^2/NDF: 447.8/21

All: 1.057+/-0.025 χ^2/NDF: 1269.4/44

- sign 1.067+/-0.038 χ^2/NDF: 821.5/22

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.369+/-0.403 χ^2/NDF:931.2/5

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

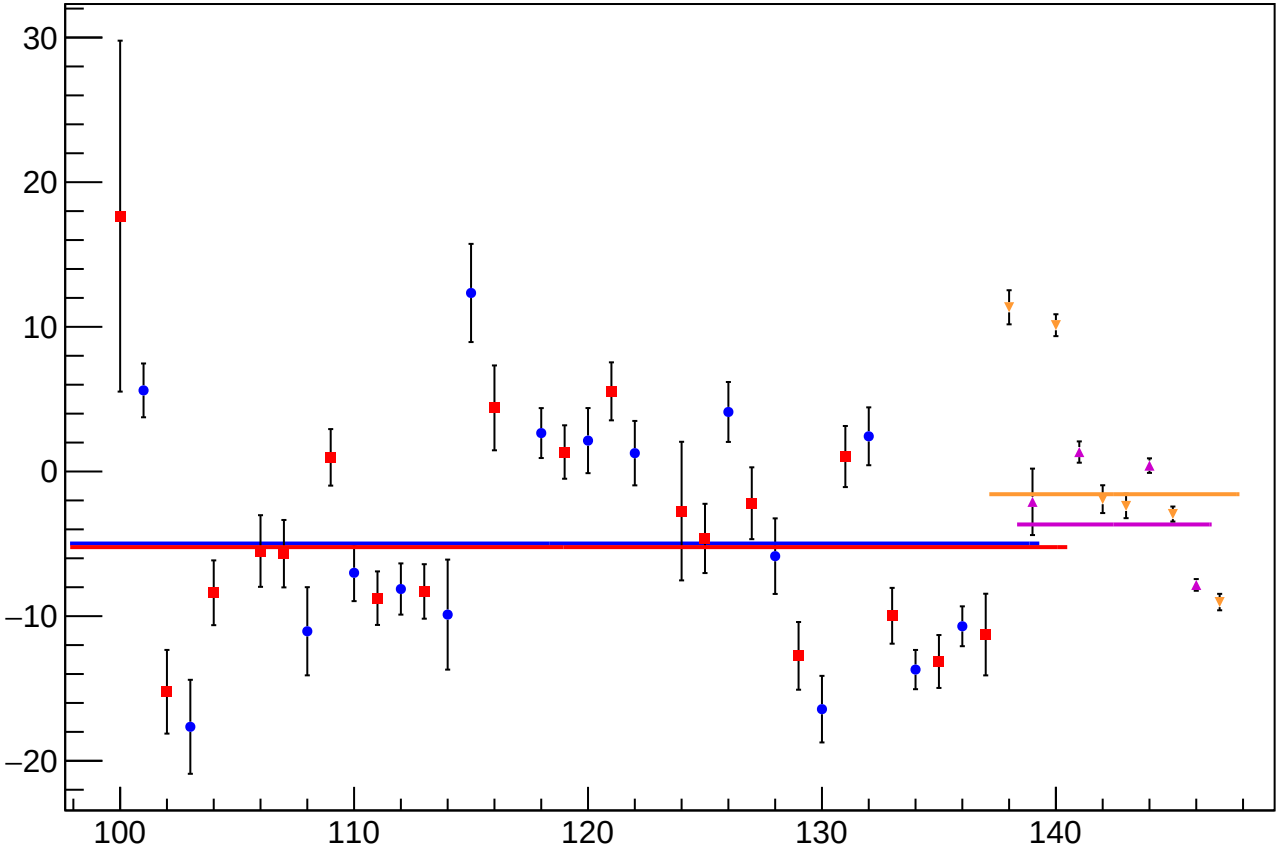
Left In: -31.922+/-0.414 χ^2/NDF:364.2/3

+ sign -36.102+/-0.305 χ^2/NDF: 1448.7/21

All: -33.481+/-0.216 χ^2/NDF: 2303.8/44

- sign -30.864+/-0.305 χ^2/NDF: 707.6/22

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.570+/-0.291 χ^2/NDF:538.8/5

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

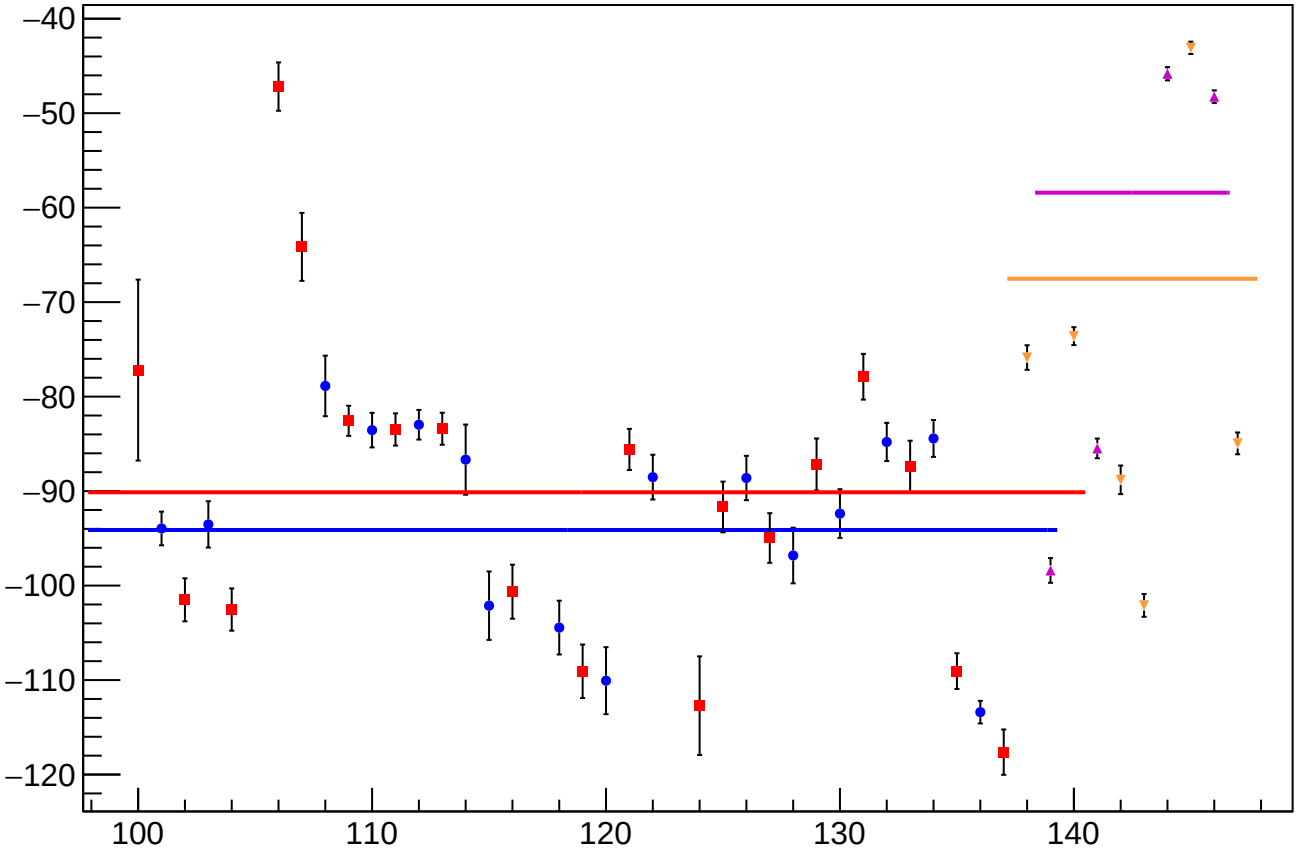
Left In: -3.661+/-0.287 χ^2/NDF:218.9/3

+ sign -2.410+/-0.253 χ^2/NDF: 809.8/21

All: -3.220+/-0.179 χ^2/NDF: 1192.5/44

- sign -4.024+/-0.252 χ^2/NDF: 362.2/22

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -67.526+/-0.410 χ^2/NDF:2740.1/5

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

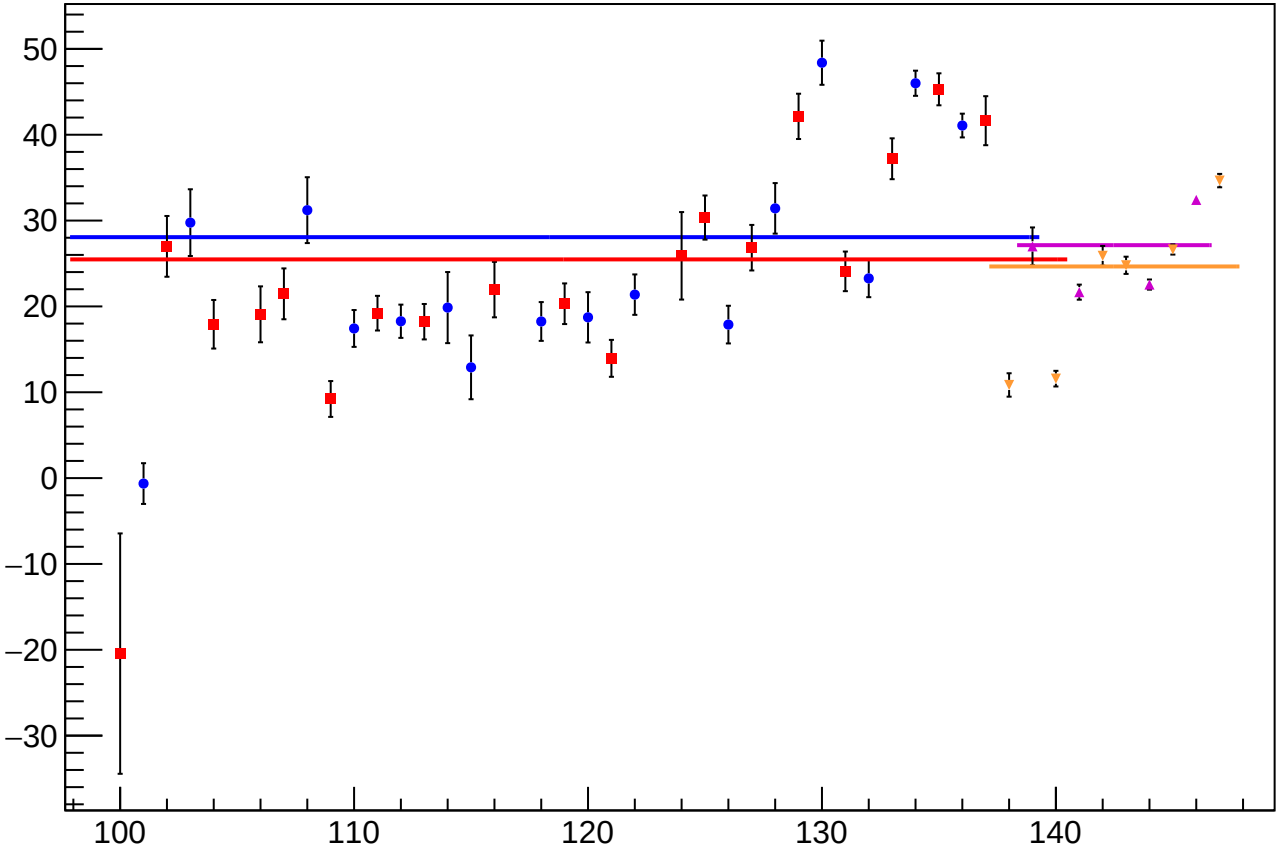
Left In: -58.414+/-0.416 χ^2/NDF:2159.7/3

\+ sign -77.324+/-0.326 χ^2/NDF: 4755.1/21

All: -73.783+/-0.232 χ^2/NDF: 10092.5/44

\- sign -70.148+/-0.330 χ^2/NDF: 5098.3/22

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.654+/-0.354 χ^2/NDF:484.3/5

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

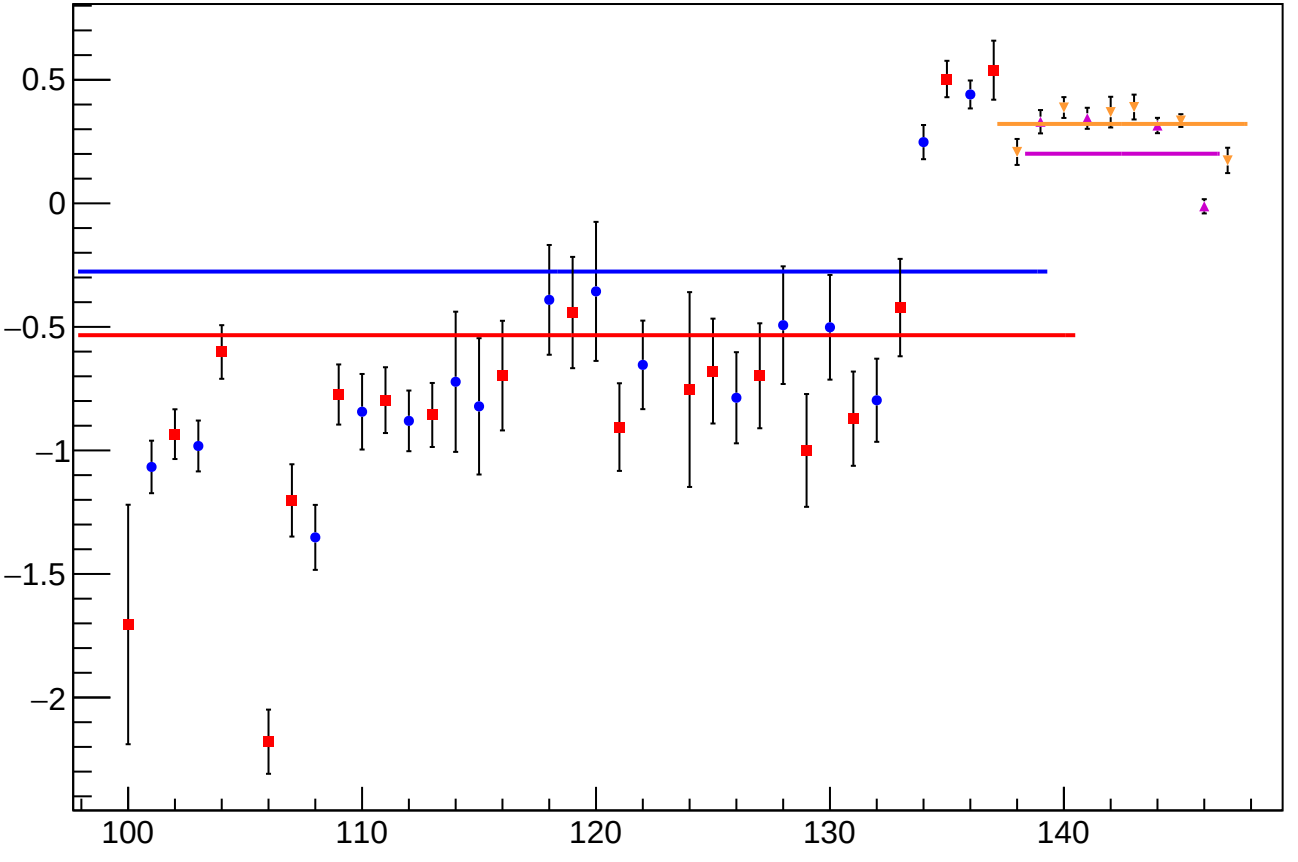
Left In: 27.135+/-0.349 χ^2/NDF:206.1/3

\+ sign 25.607+/-0.301 χ^2/NDF: 1093.4/21

All: 26.157+/-0.212 χ^2/NDF: 1666.6/44

\- sign 26.706+/-0.300 χ^2/NDF: 566.6/22

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.321+/-0.017 χ^2/NDF:18.1/5

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

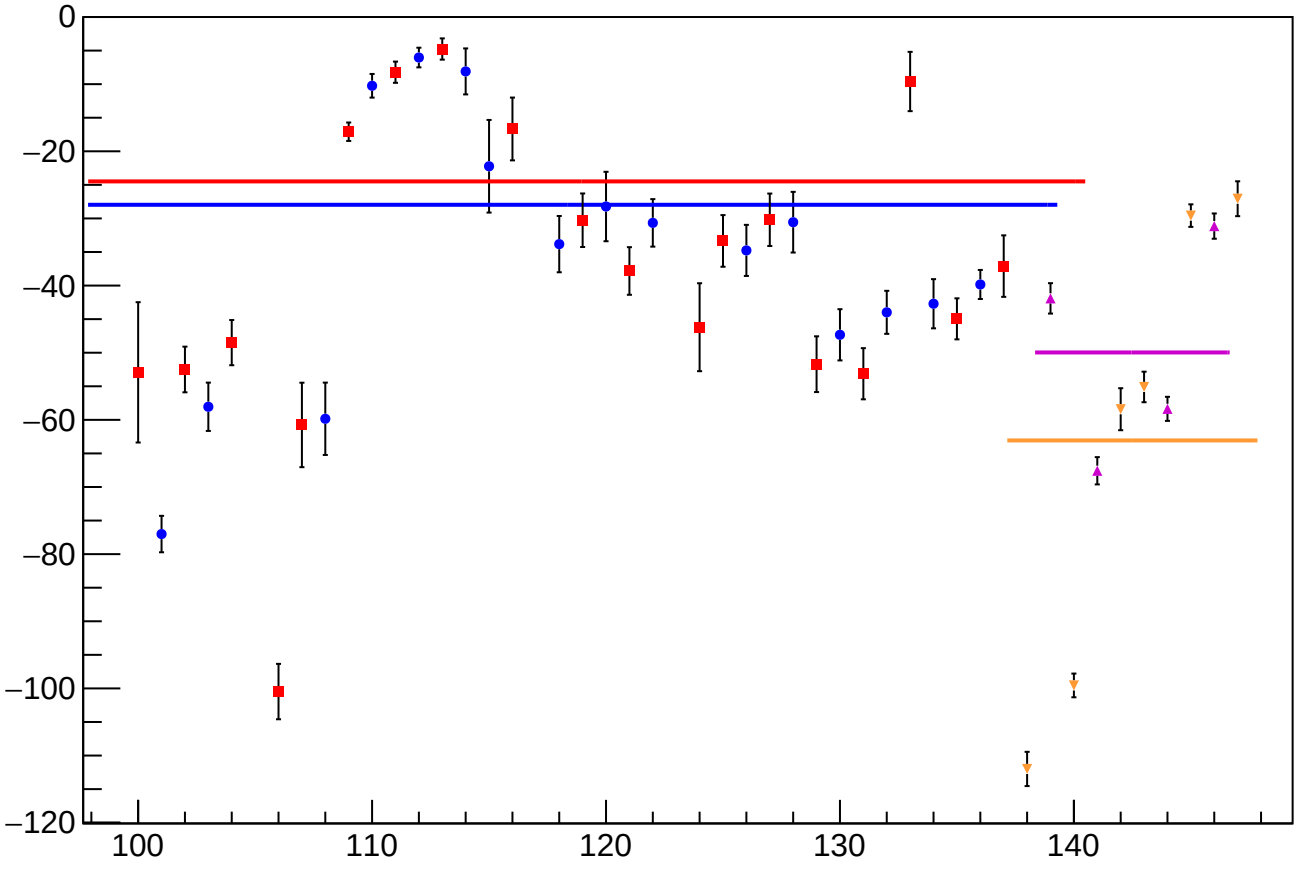
Left In: 0.201+/-0.018 χ^2/NDF:86.8/3

+ sign 0.181+/-0.015 χ^2/NDF: 764.6/21

All: 0.112+/-0.011 χ^2/NDF: 1794.9/44

- sign 0.037+/-0.015 χ^2/NDF: 985.7/22

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -63.064+/-0.886 χ^2/NDF:1399.7/5

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

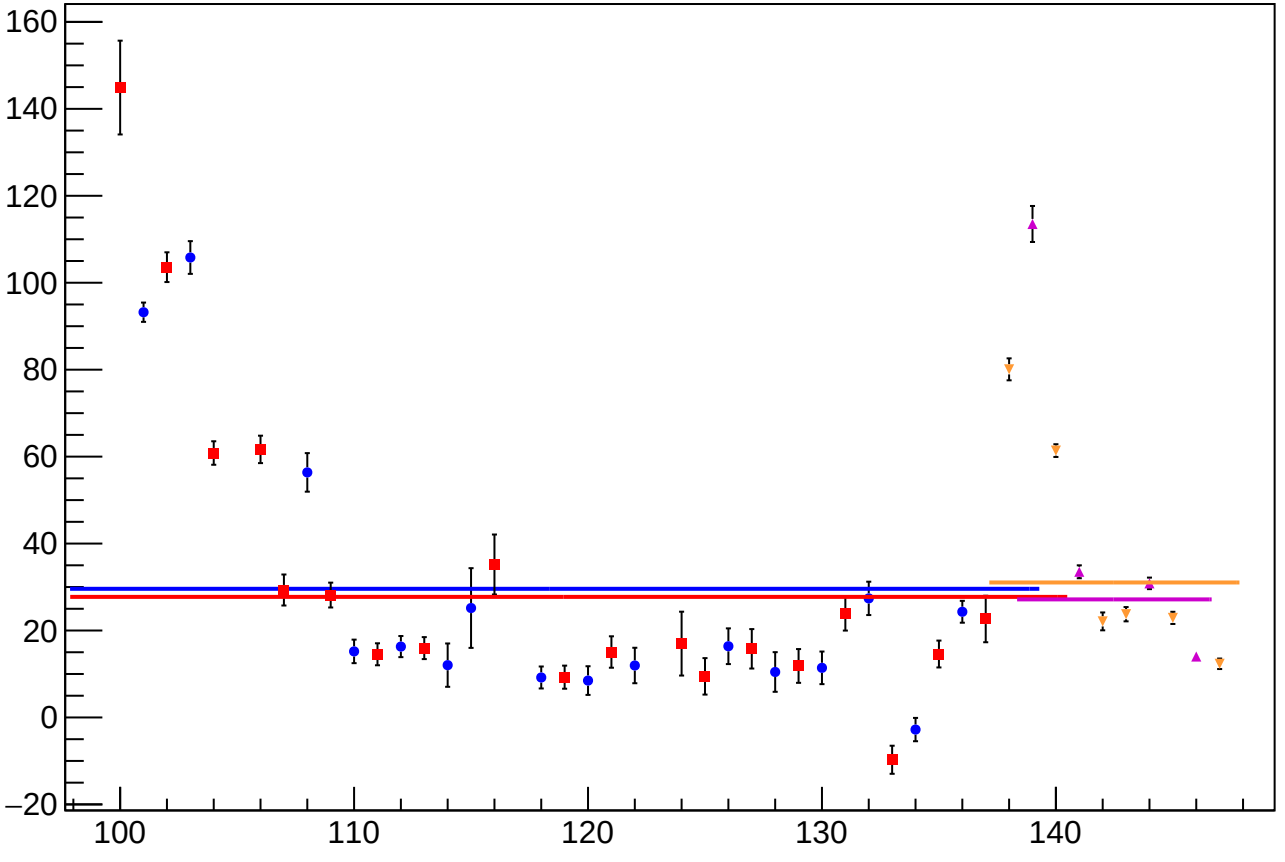
Left In: -49.962+/-0.985 χ^2/NDF:209.7/3

+ sign -42.097+/-0.562 χ^2/NDF: 3231.1/21

All: -37.153+/-0.393 χ^2/NDF: 5042.2/44

- sign -32.426+/-0.550 χ^2/NDF: 1659.9/22

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 31.050+/-0.642 χ^2/NDF:1117.2/5

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

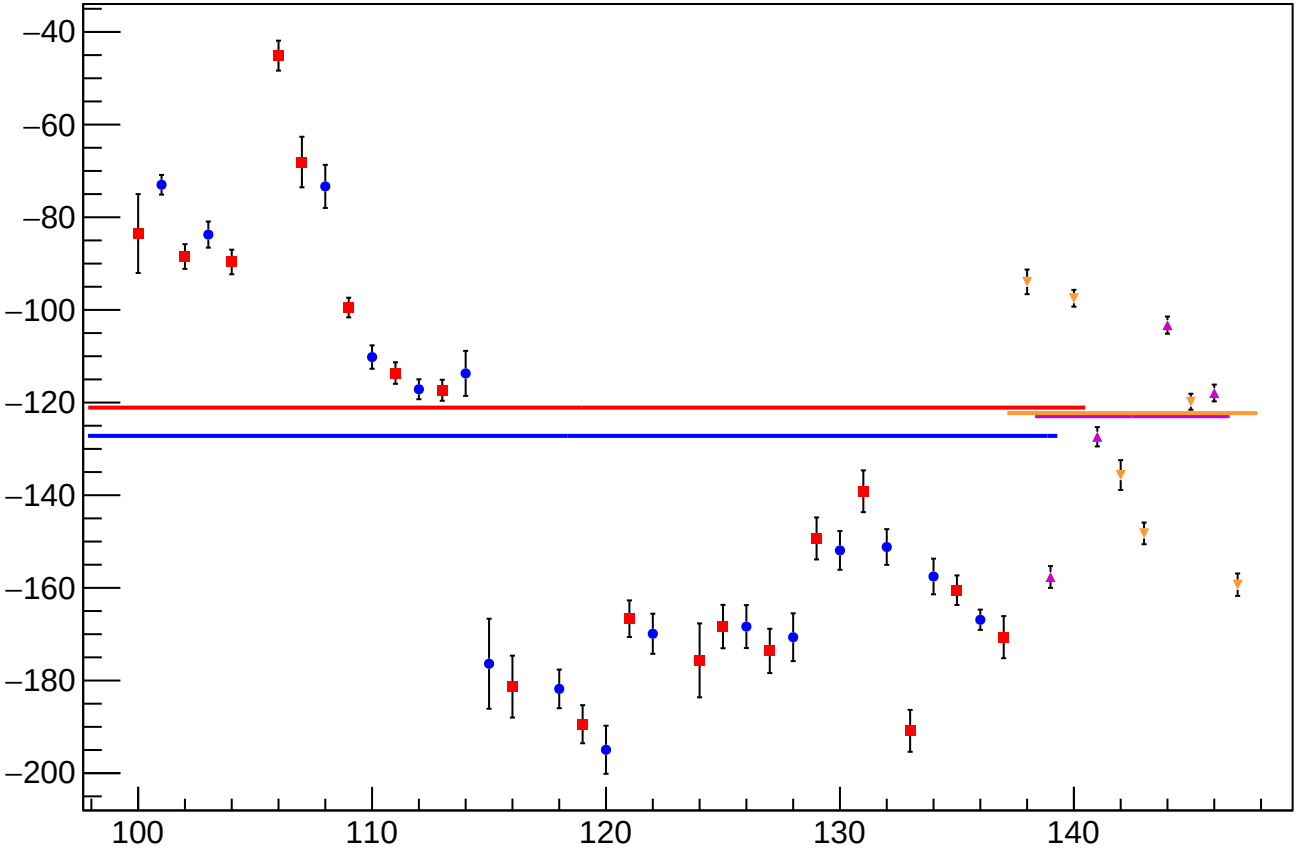
Left In: 27.157+/-0.737 χ^2/NDF:592.1/3

+ sign 30.485+/-0.503 χ^2/NDF: 2784.8/21

All: 29.067+/-0.368 χ^2/NDF: 4579.5/44

- sign 27.424+/-0.541 χ^2/NDF: 1777.5/22

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -122.273+/-0.901 χ^2/NDF:676.0/5

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

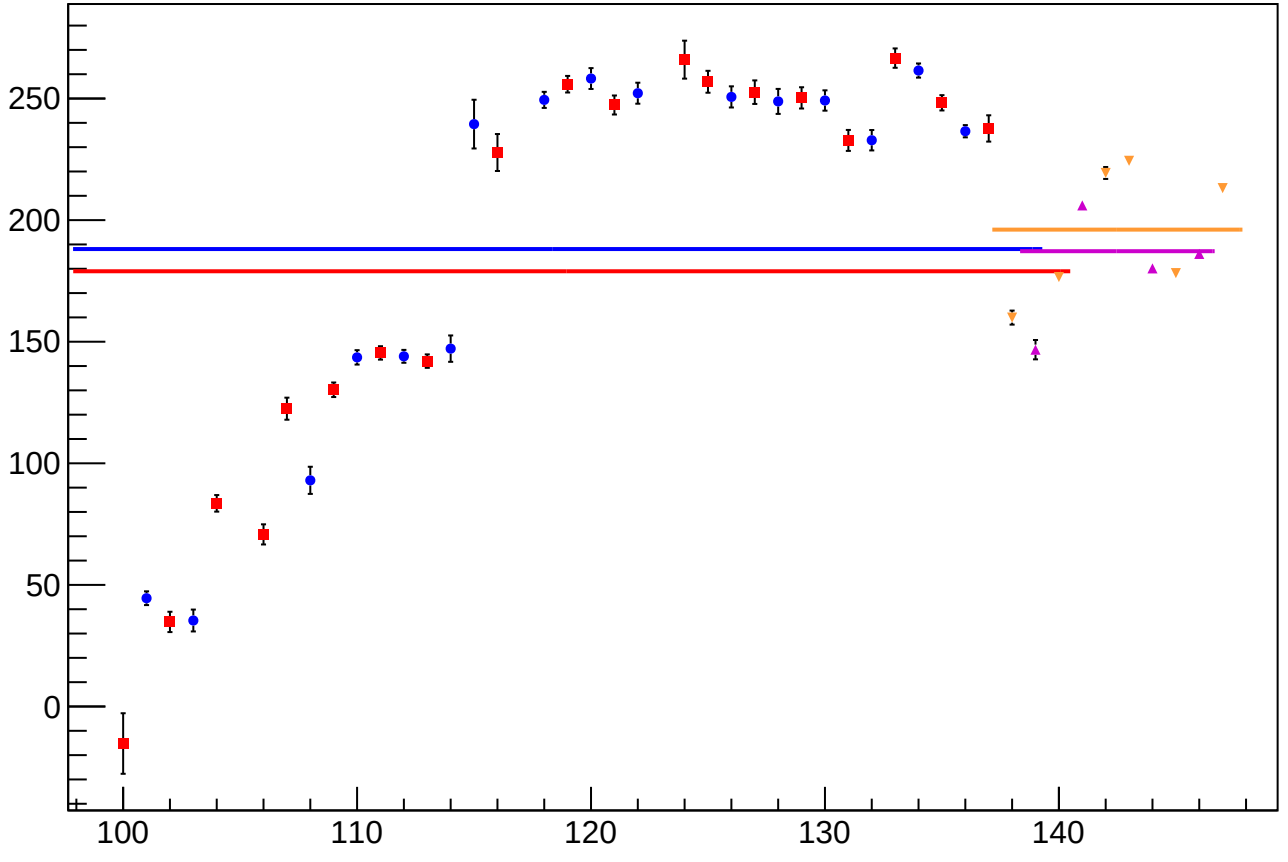
Left In: -122.944+/-0.996 χ^2/NDF:342.7/3

+ sign -124.936+/-0.610 χ^2/NDF: 2870.3/21

All: -123.405+/-0.436 χ^2/NDF: 5625.2/44

- sign -121.812+/-0.623 χ^2/NDF: 2742.1/22

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.095+/-0.783 χ^2/NDF:813.5/5

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

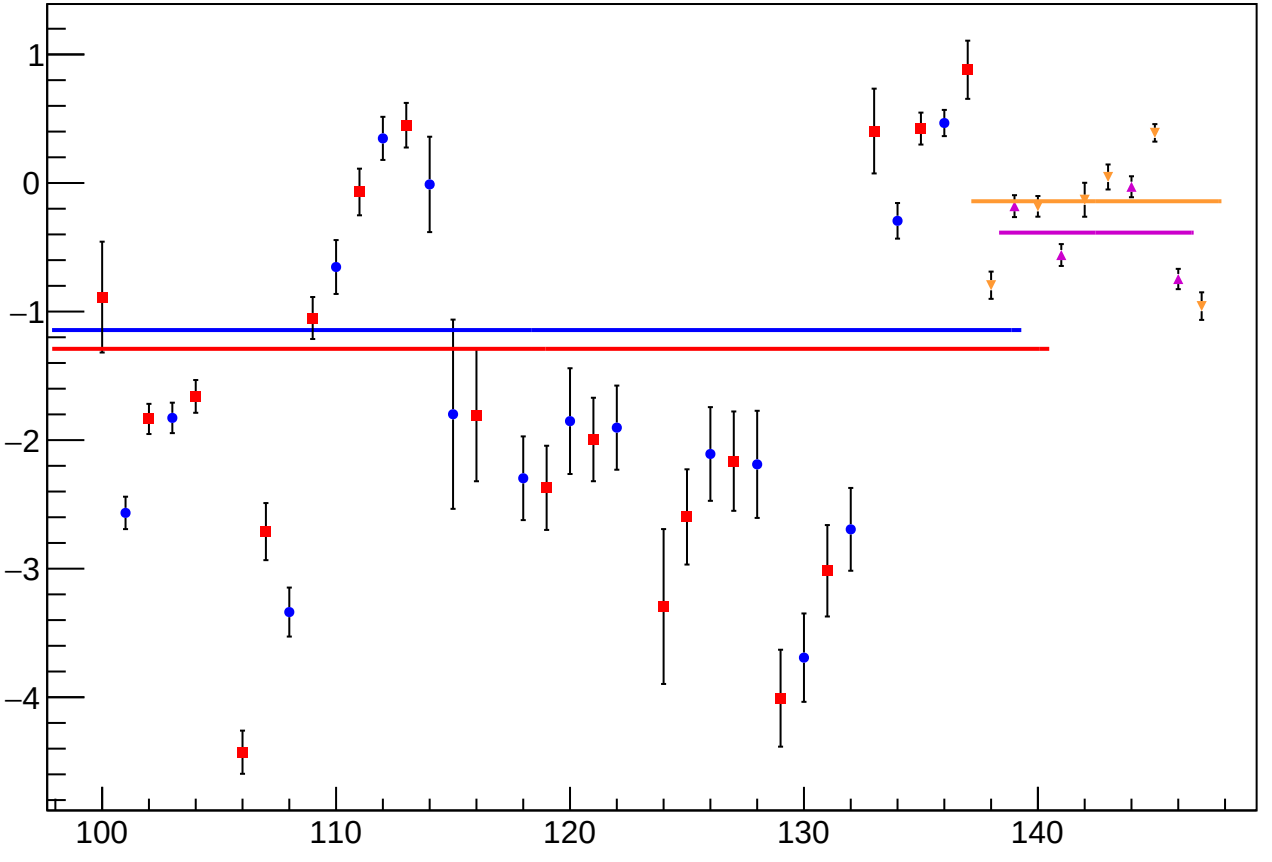
Left In: 187.224+/-0.879 χ^2/NDF:238.8/3

\+ sign 192.732+/-0.596 χ^2/NDF: 7976.0/21

All: 188.260+/-0.433 χ^2/NDF: 15046.0/44

\- sign 183.233+/-0.631 χ^2/NDF: 6950.2/22

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.142+/-0.038 χ^2/NDF:160.7/5

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

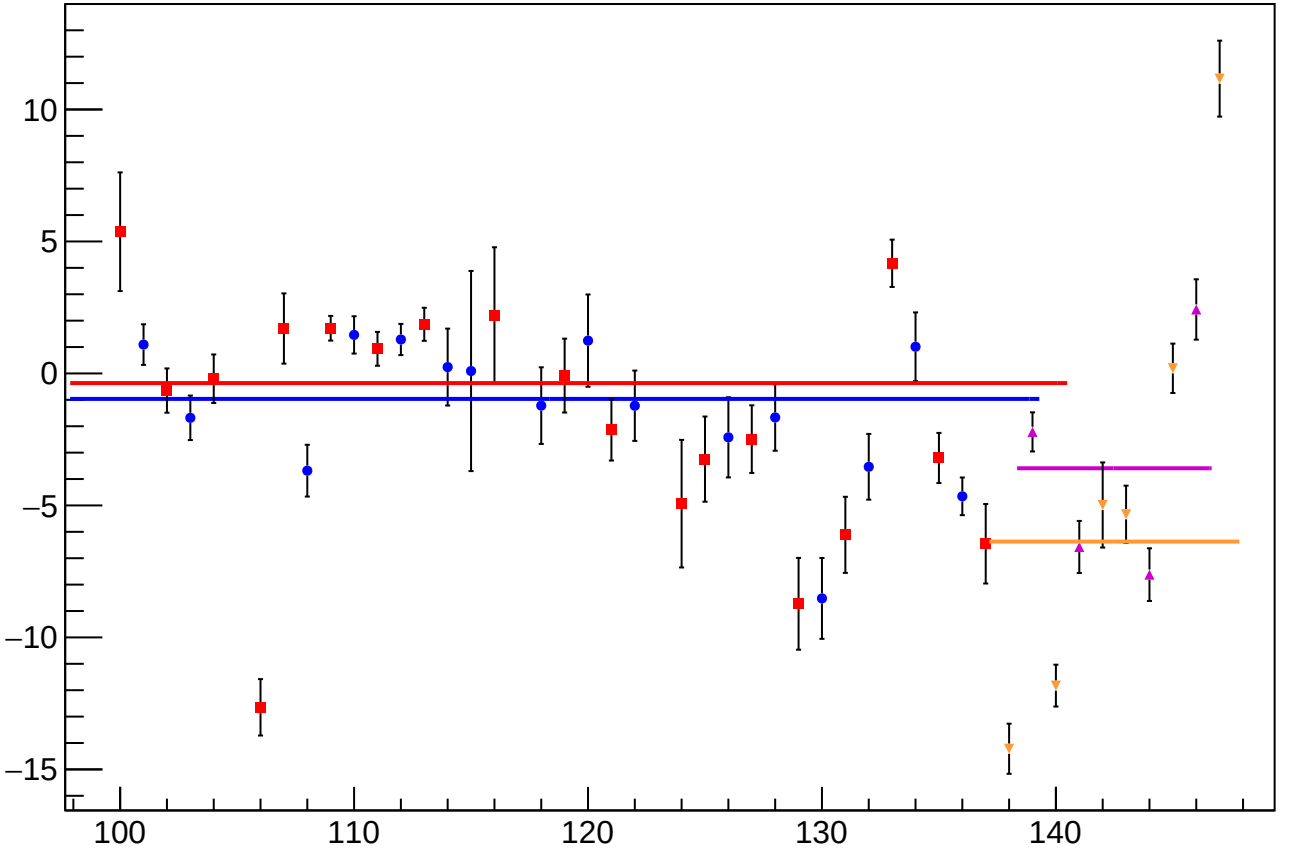
Left In: -0.386+/-0.041 χ^2/NDF:50.1/3

+ sign -0.522+/-0.030 χ^2/NDF: 1218.2/21

All: -0.642+/-0.021 χ^2/NDF: 2507.8/44

- sign -0.776+/-0.031 χ^2/NDF: 1254.8/22

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.370+/-0.424 χ^2/NDF:315.3/5

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

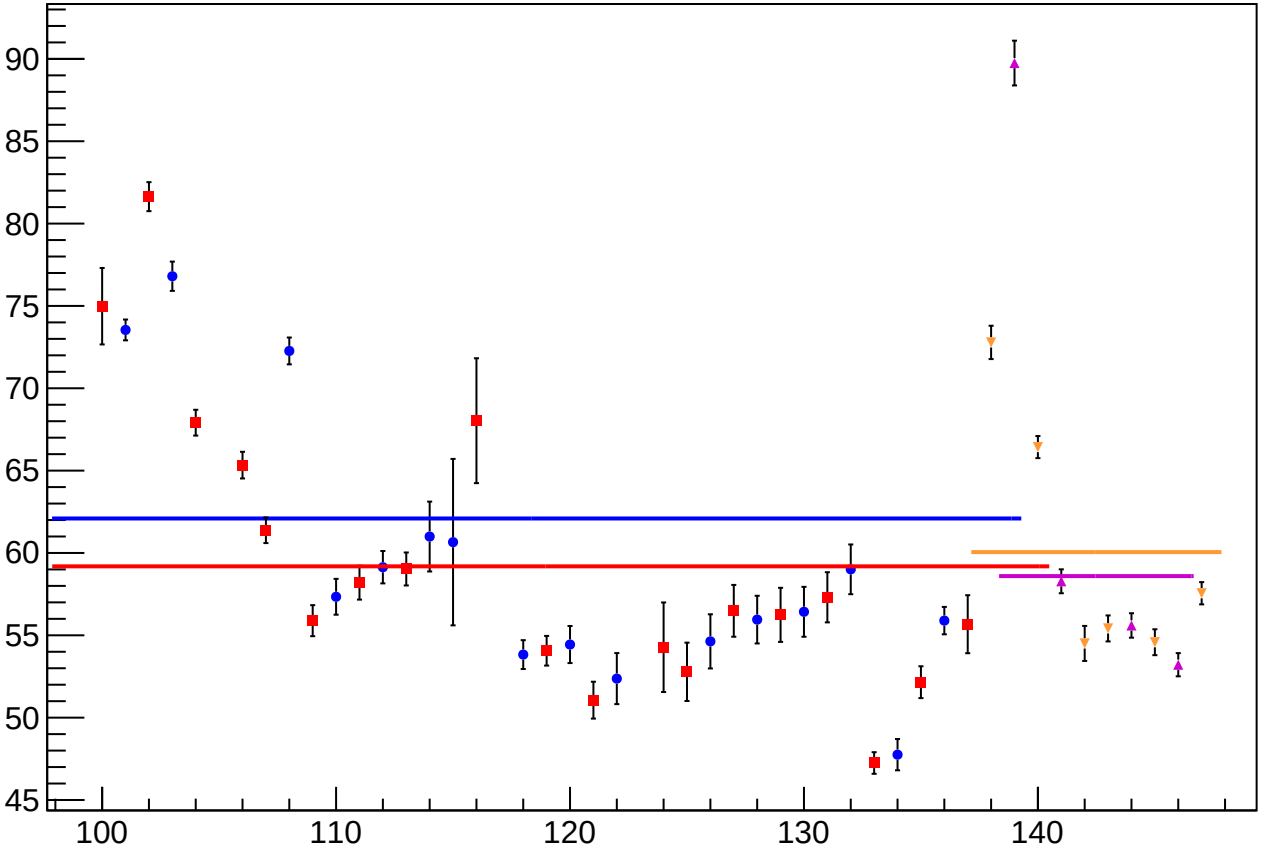
Left In: -3.592+/-0.465 χ^2/NDF:56.6/3

+ sign -2.385+/-0.217 χ^2/NDF: 538.2/21

All: -1.625+/-0.148 χ^2/NDF: 937.2/44

- sign -0.971+/-0.202 χ^2/NDF: 376.2/22

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.052+/-0.324 χ^2/NDF:372.7/5

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

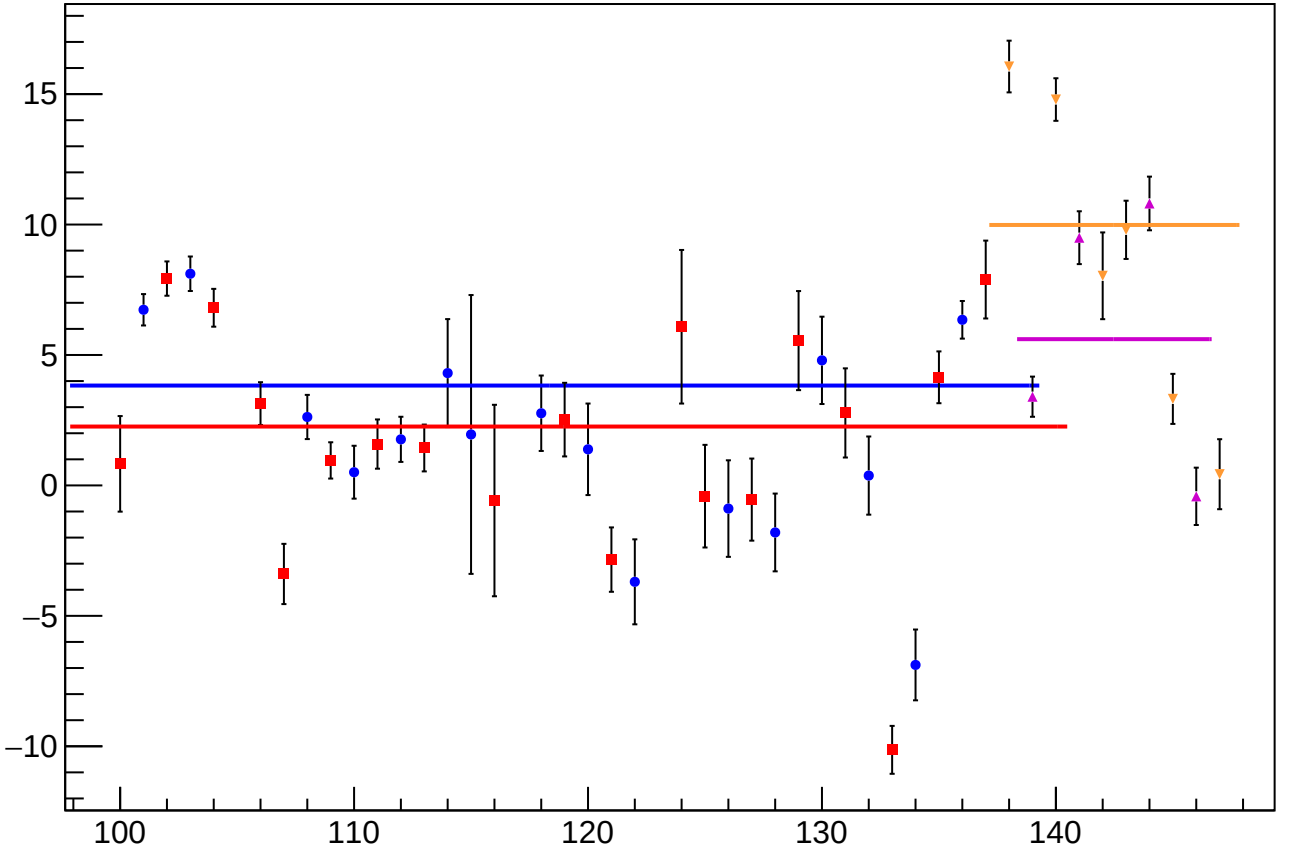
Left In: 58.595+/-0.400 χ^2/NDF:600.3/3

+ sign 61.275+/-0.205 χ^2/NDF: 1697.7/21

All: 60.166+/-0.146 χ^2/NDF: 3760.9/44

- sign 59.027+/-0.208 χ^2/NDF: 2004.0/22

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.984+/-0.433 χ^2/NDF:172.7/5

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

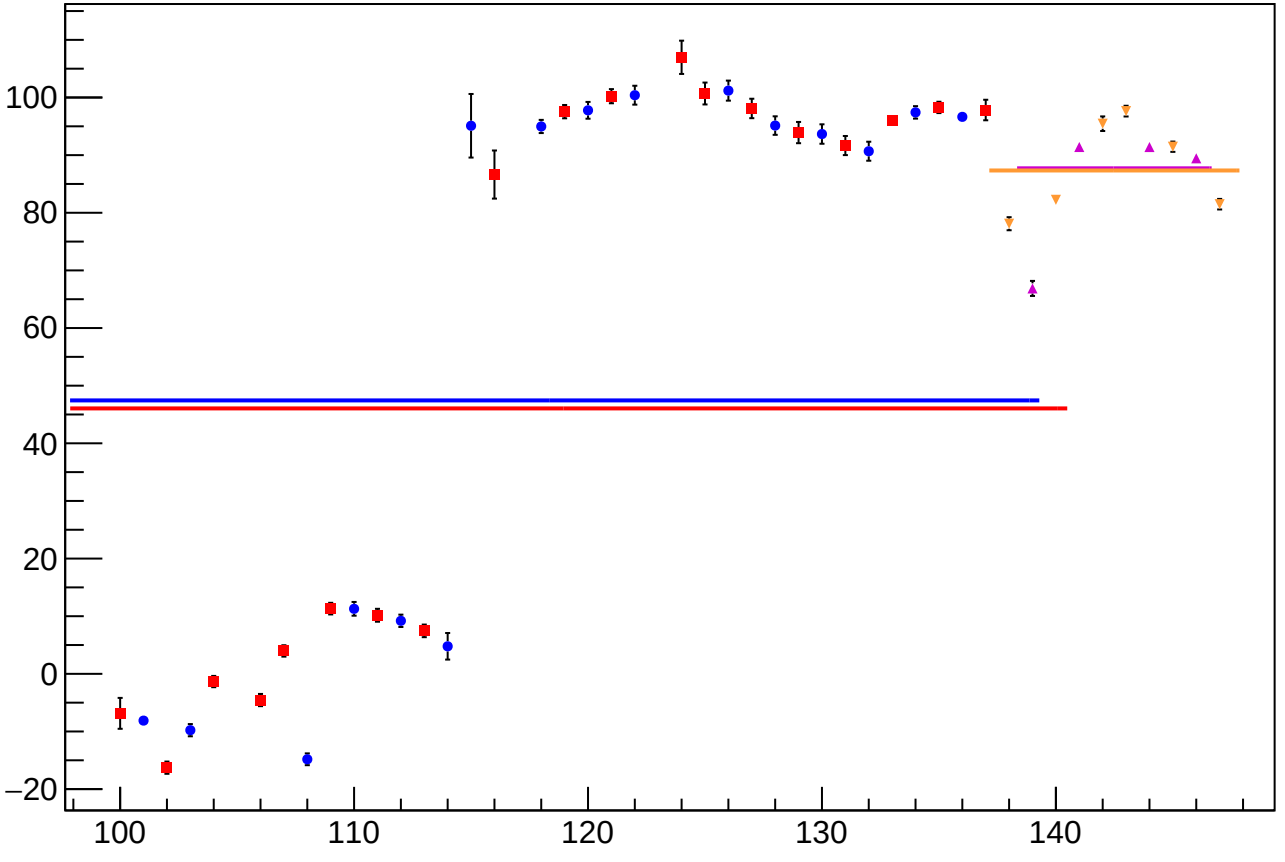
Left In: 5.607+/-0.475 χ^2/NDF:78.6/3

+ sign 5.506+/-0.226 χ^2/NDF: 528.1/21

All: 4.194+/-0.157 χ^2/NDF: 1082.9/44

- sign 2.968+/-0.219 χ^2/NDF: 489.7/22

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.339+/-0.391 χ^2/NDF:332.0/5

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

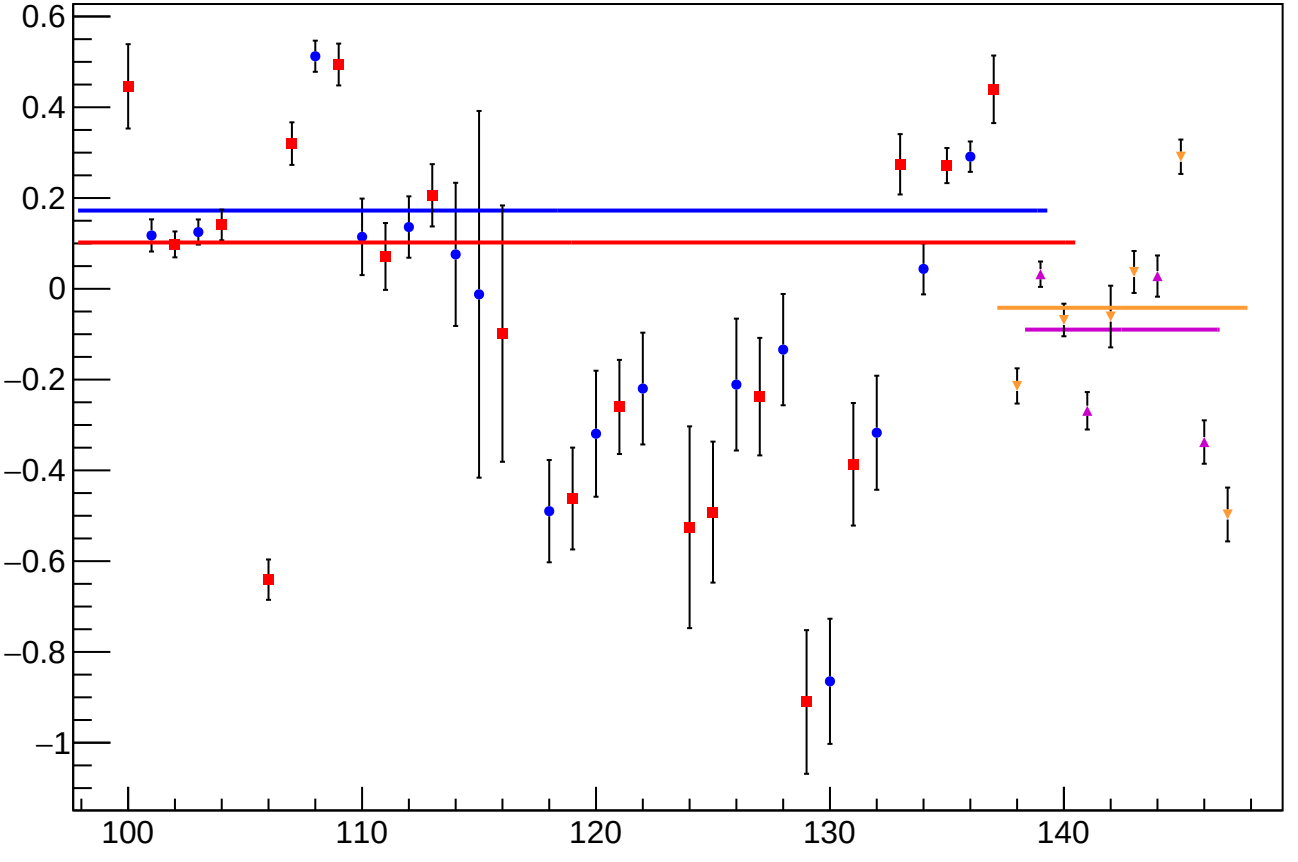
Left In: 87.712+/-0.466 χ^2/NDF:295.5/3

+ sign 62.735+/-0.242 χ^2/NDF: 33647.5/21

All: 60.054+/-0.171 χ^2/NDF: 68905.8/44

- sign 57.352+/-0.243 χ^2/NDF: 35011.7/22

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.042+/-0.018 χ^2/NDF:159.4/5

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

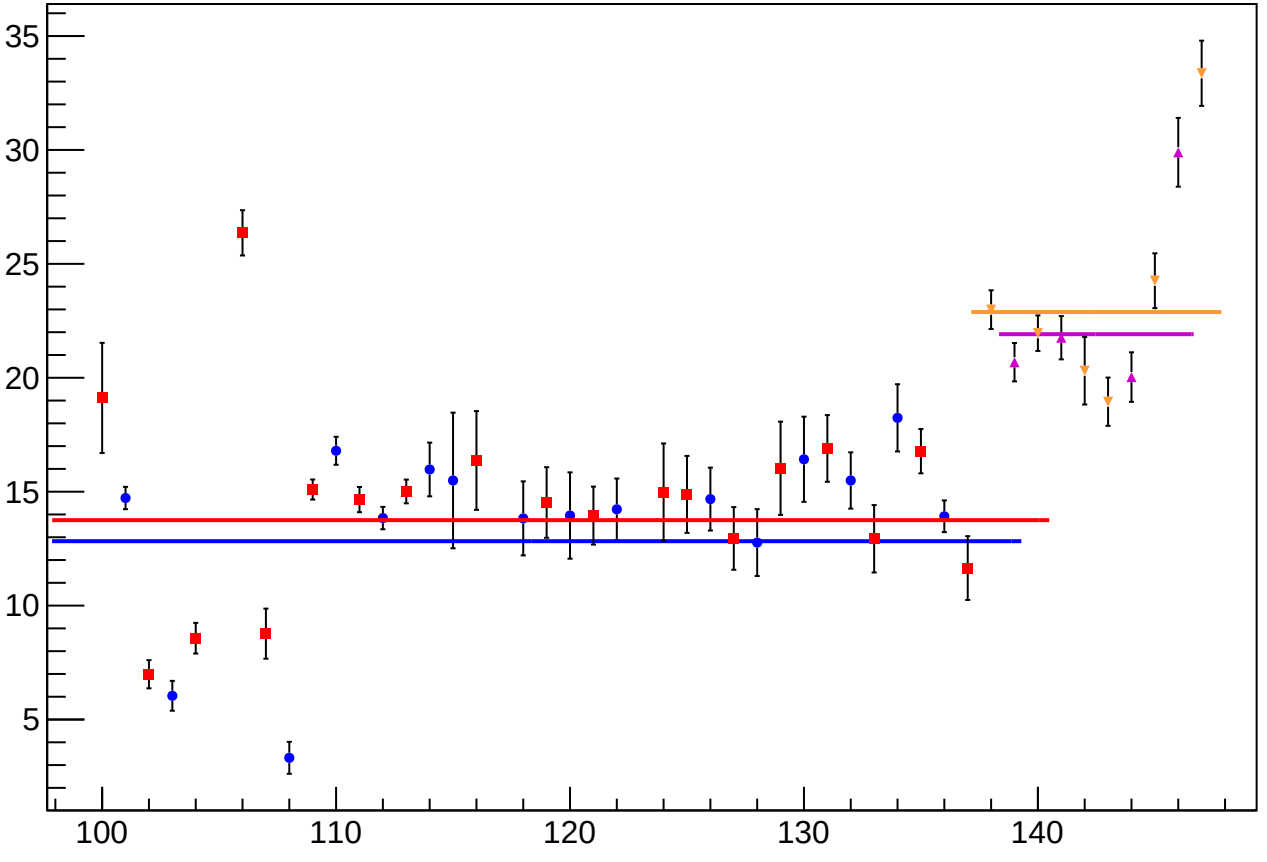
Left In: -0.090+/-0.019 χ^2/NDF:71.5/3

+ sign 0.090+/-0.011 χ^2/NDF: 512.2/21

All: 0.064+/-0.008 χ^2/NDF: 1222.1/44

- sign 0.038+/-0.011 χ^2/NDF: 698.5/22

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.886+/-0.424 χ^2/NDF:73.2/5

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

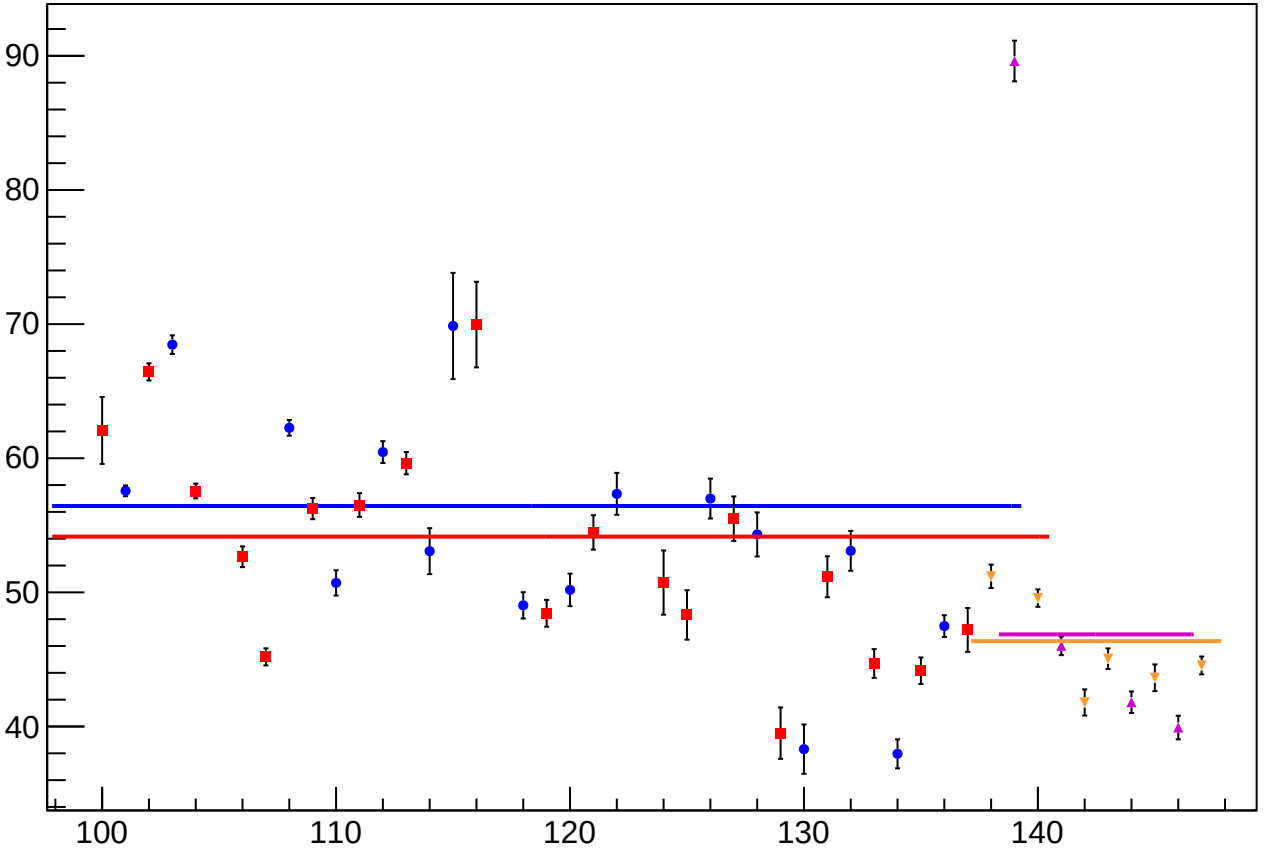
Left In: 21.914+/-0.513 χ^2/NDF:33.1/3

+ sign 14.867+/-0.191 χ^2/NDF: 908.9/21

All: 14.867+/-0.135 χ^2/NDF: 1564.9/44

- sign 14.867+/-0.190 χ^2/NDF: 656.0/22

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.364+/-0.322 χ^2/NDF:94.5/5

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

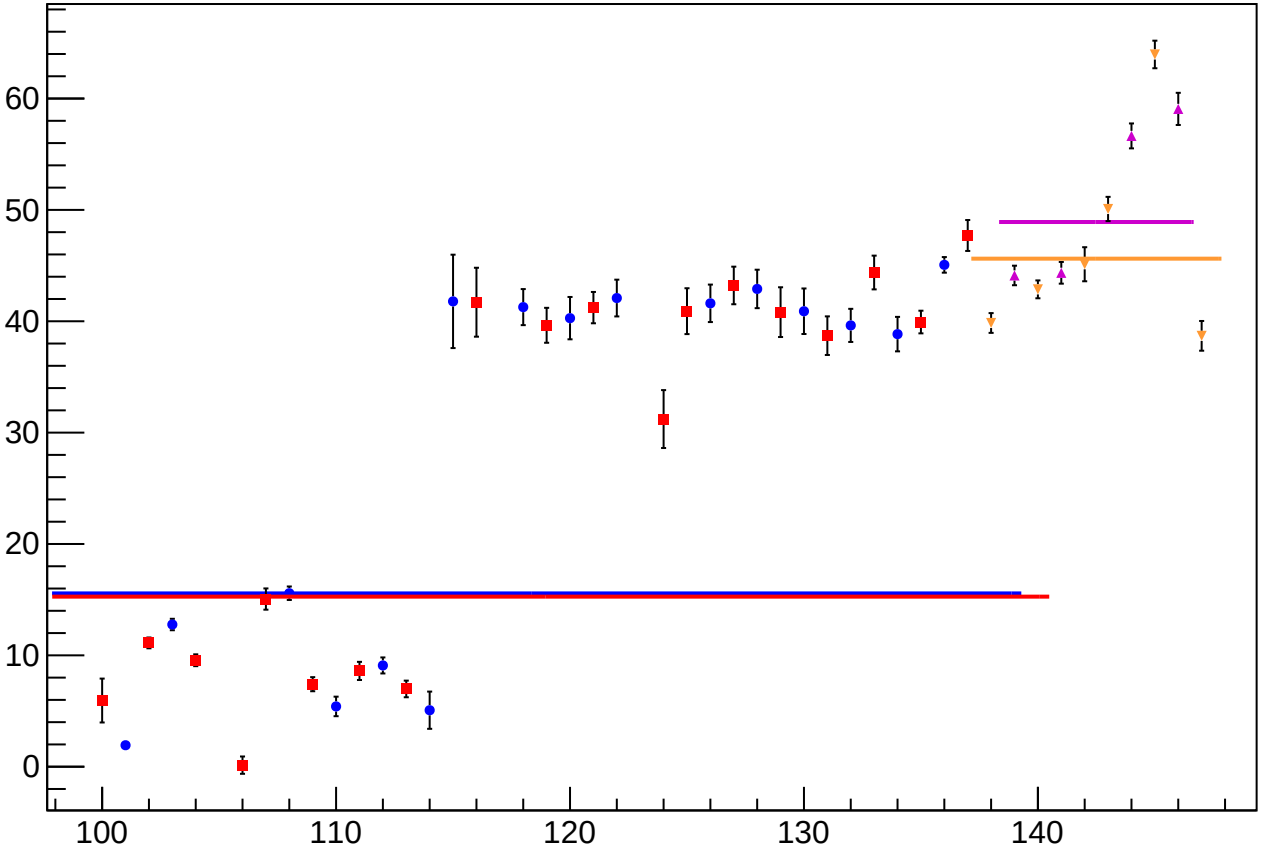
Left In: 46.867+/-0.433 χ^2/NDF:897.5/3

+ sign 53.191+/-0.183 χ^2/NDF: 1847.3/21

All: 52.926+/-0.135 χ^2/NDF: 3979.5/44

- sign 52.610+/-0.199 χ^2/NDF: 2127.6/22

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 45.621+/-0.434 χ^2/NDF:317.2/5

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

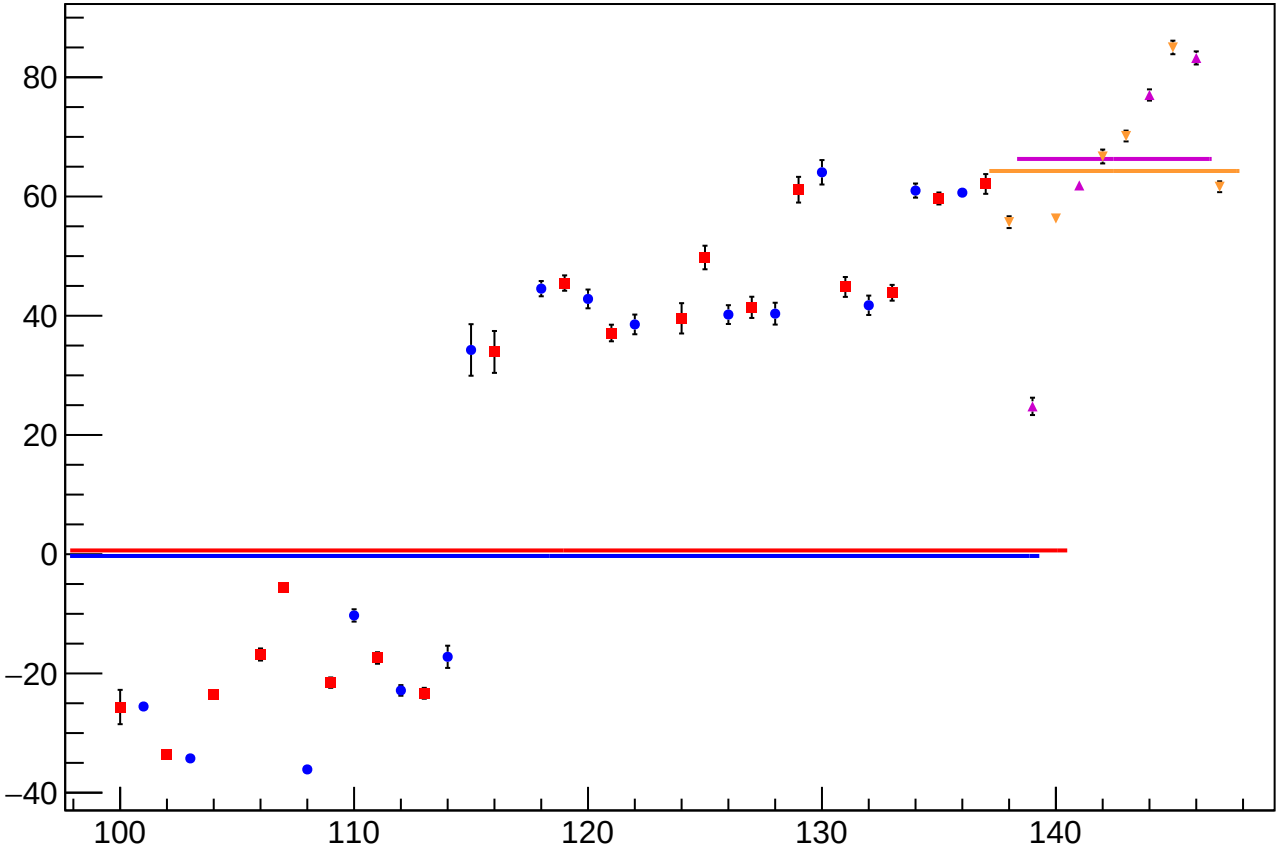
Left In: 48.913+/-0.525 χ^2/NDF:149.0/3

+ sign 21.438+/-0.192 χ^2/NDF: 9351.2/21

All: 20.883+/-0.139 χ^2/NDF: 16890.0/44

- sign 20.267+/-0.202 χ^2/NDF: 7521.2/22

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.280+/-0.390 χ^2/NDF:566.0/5

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

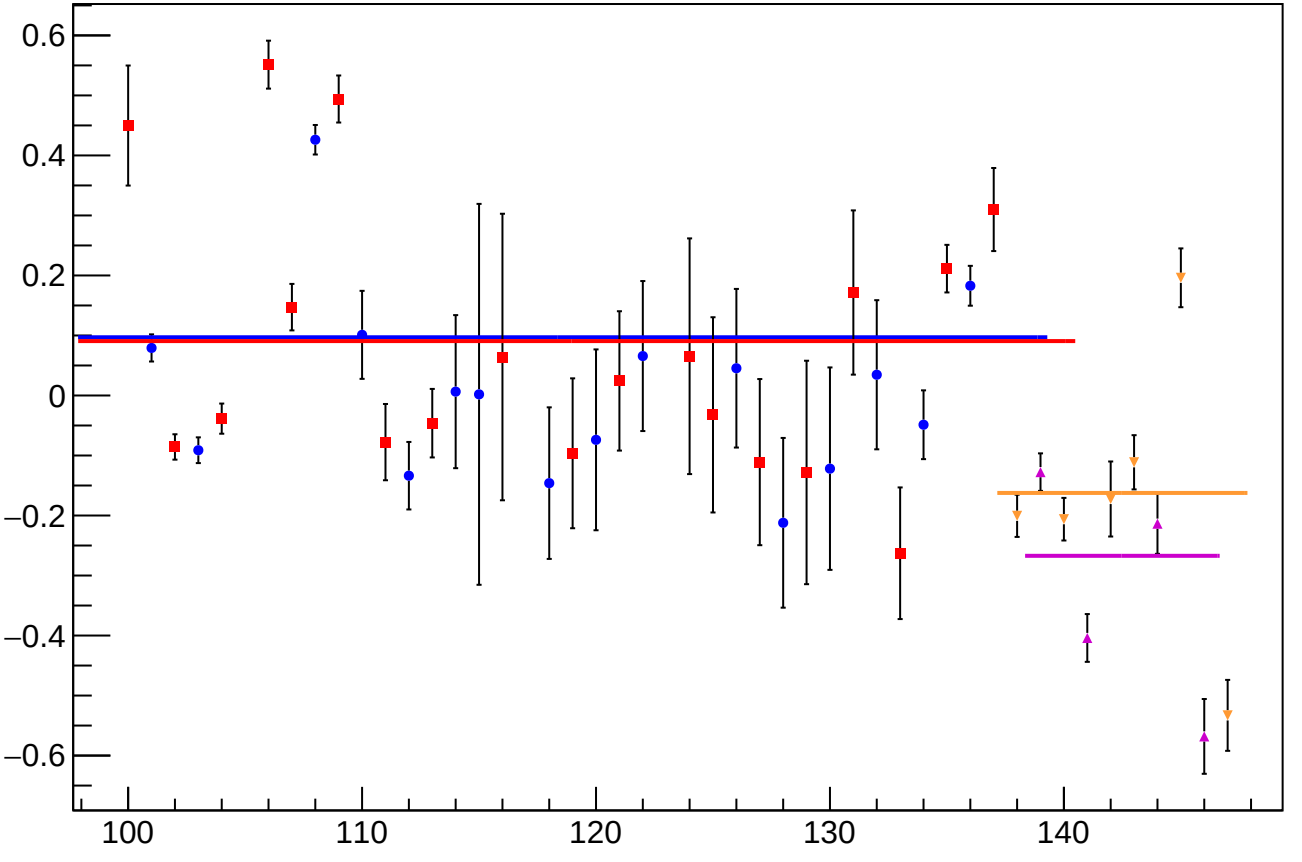
Left In: 66.300+/-0.507 χ^2/NDF:1209.7/3

+ sign 19.754+/-0.217 χ^2/NDF: 40544.9/21

All: 17.368+/-0.159 χ^2/NDF: 71240.2/44

- sign 14.597+/-0.234 χ^2/NDF: 30434.1/22

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.162+/-0.018 χ^2/NDF:96.8/5

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

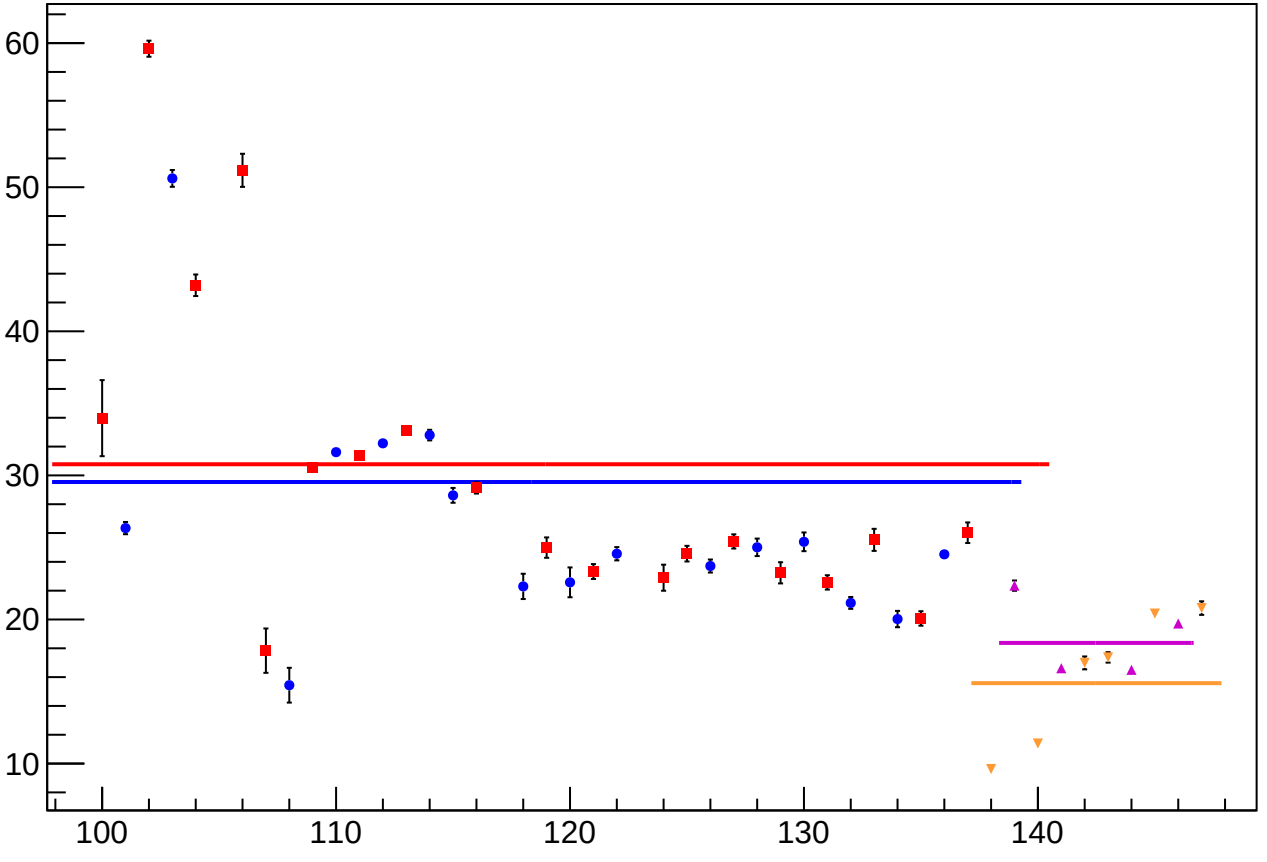
Left In: -0.267+/-0.021 χ^2/NDF:56.2/3

+ sign 0.025+/-0.010 χ^2/NDF: 544.3/21

All: 0.017+/-0.007 χ^2/NDF: 1228.7/44

- sign 0.008+/-0.010 χ^2/NDF: 682.9/22

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.582+/-0.137 χ^2/NDF:1029.0/5

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

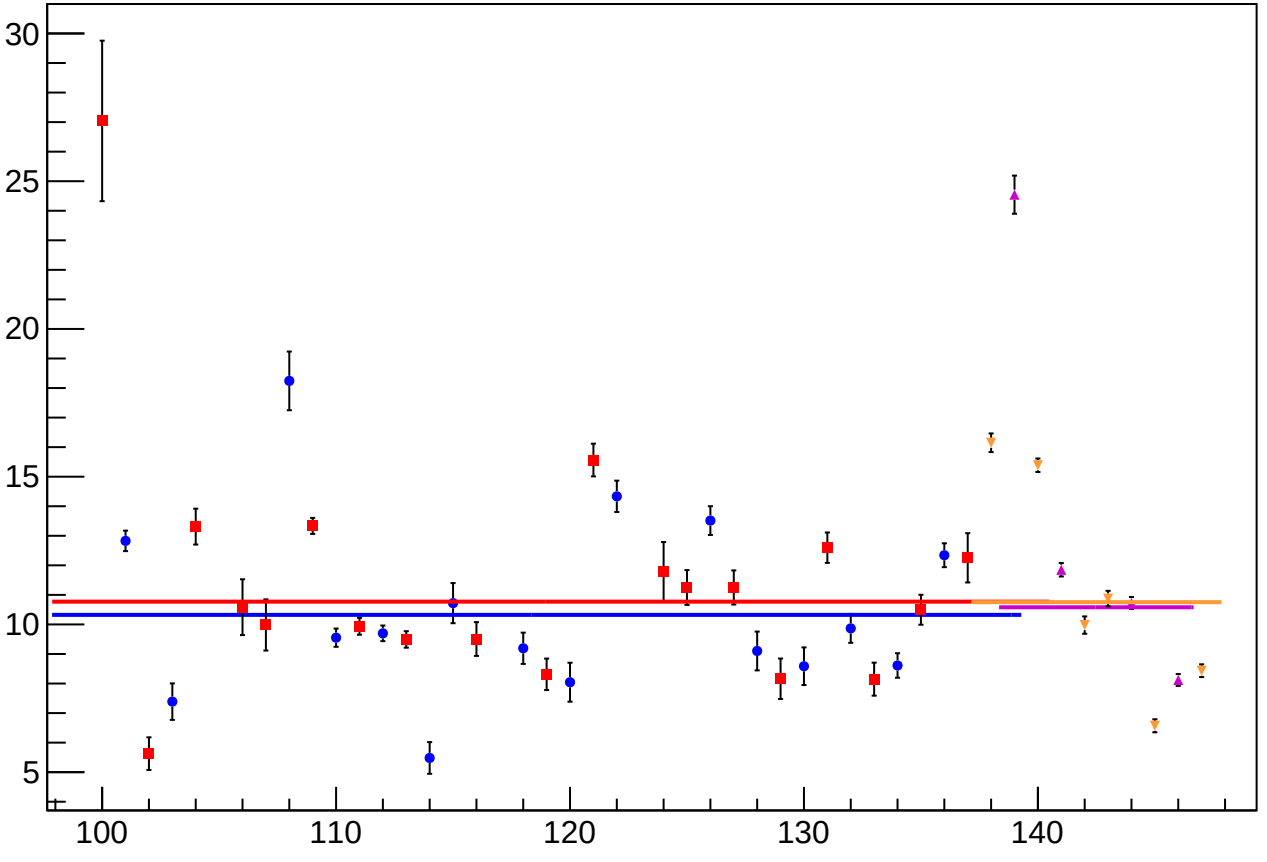
Left In: 18.374+/-0.159 χ^2/NDF:216.0/3

+ sign 25.227+/-0.076 χ^2/NDF: 11524.2/21

All: 26.846+/-0.052 χ^2/NDF: 22499.6/44

- sign 28.267+/-0.072 χ^2/NDF: 10132.7/22

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.754+/-0.101 χ^2/NDF:1185.8/5

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

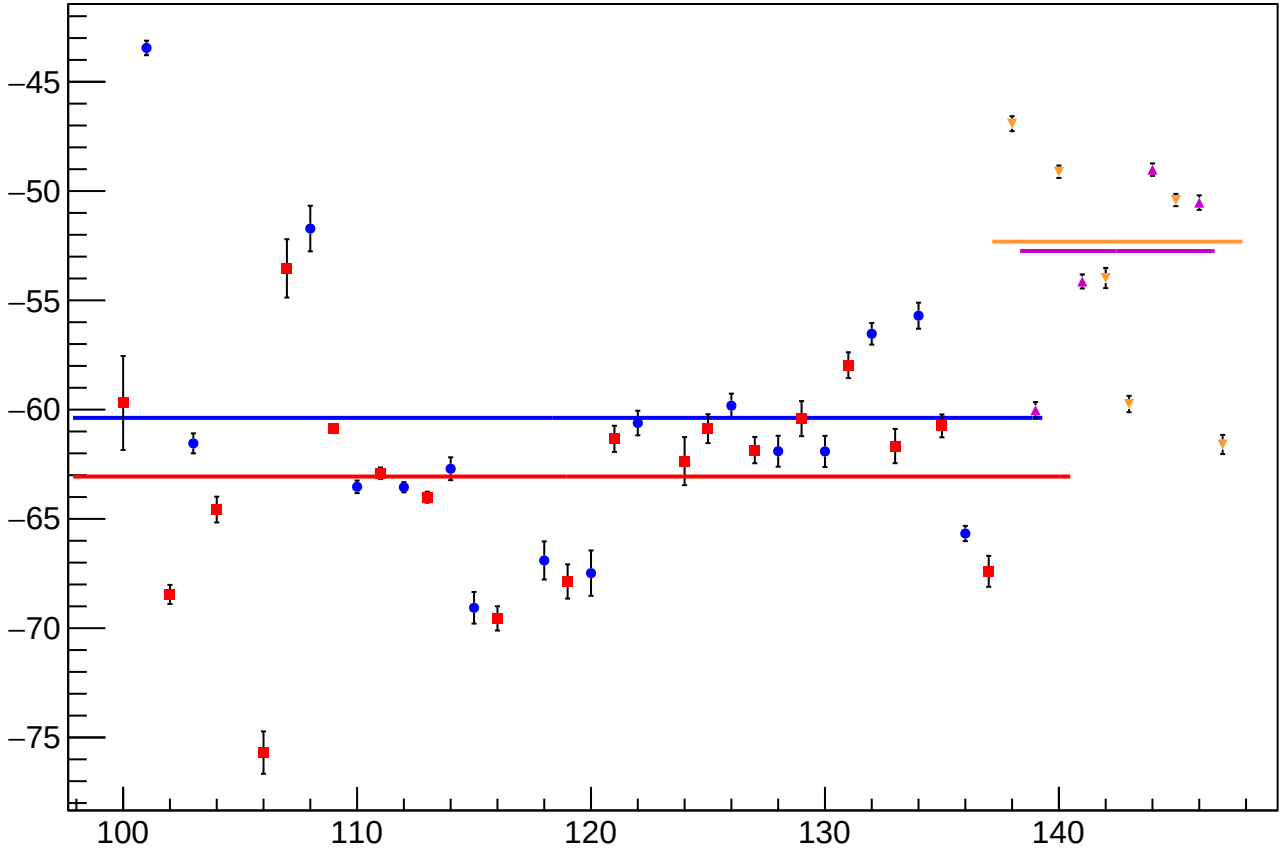
Left In: 10.580+/-0.119 χ^2/NDF:650.6/3

+ sign 10.564+/-0.076 χ^2/NDF: 1596.5/21

All: 10.618+/-0.056 χ^2/NDF: 2665.3/44

- sign 10.681+/-0.082 χ^2/NDF: 1067.7/22

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.316+/-0.141 χ^2/NDF:1275.6/5

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

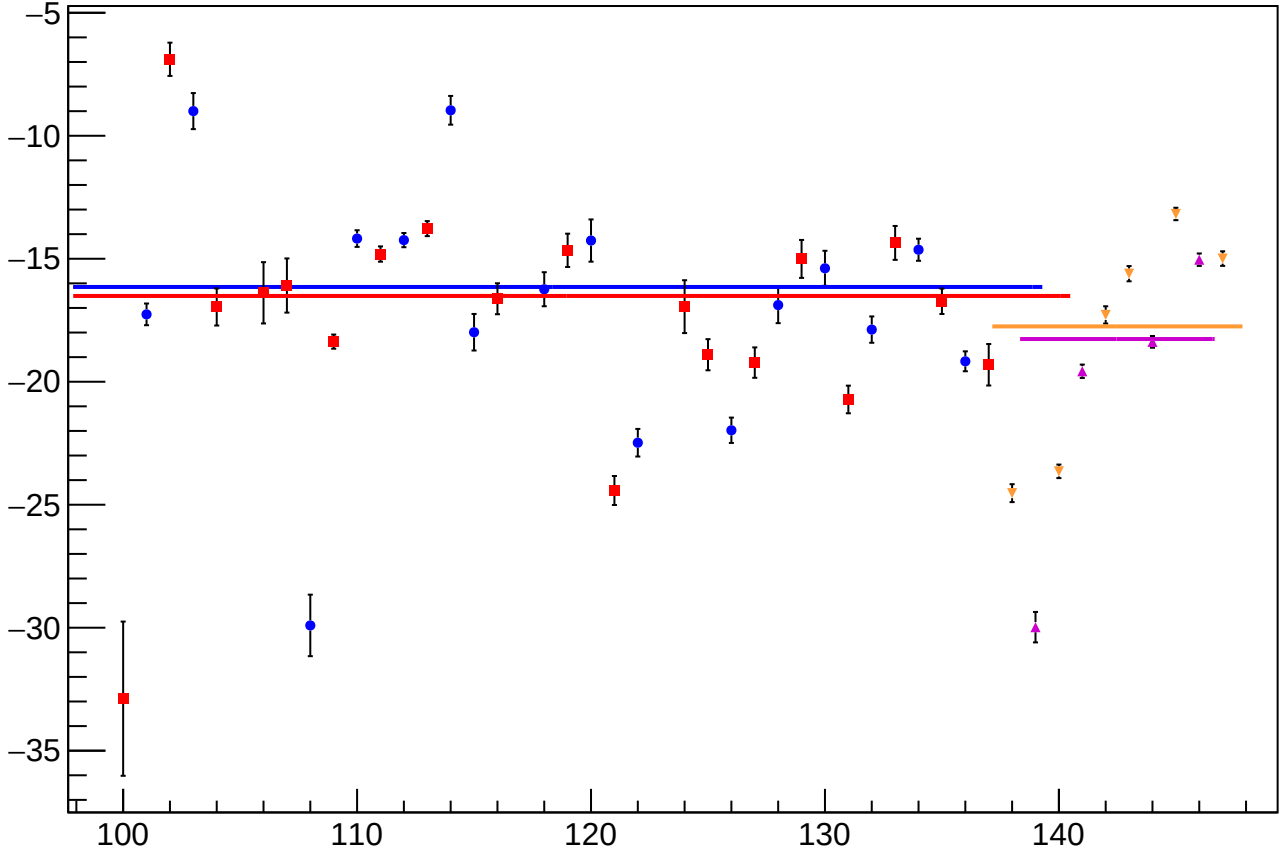
Left In: -52.743+/-0.162 χ^2/NDF:617.2/3

+ sign -57.214+/-0.088 χ^2/NDF: 6870.1/21

All: -58.542+/-0.063 χ^2/NDF: 11620.3/44

- sign -59.909+/-0.089 χ^2/NDF: 4289.0/22

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.751+/-0.123 χ^2/NDF:1268.6/5

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

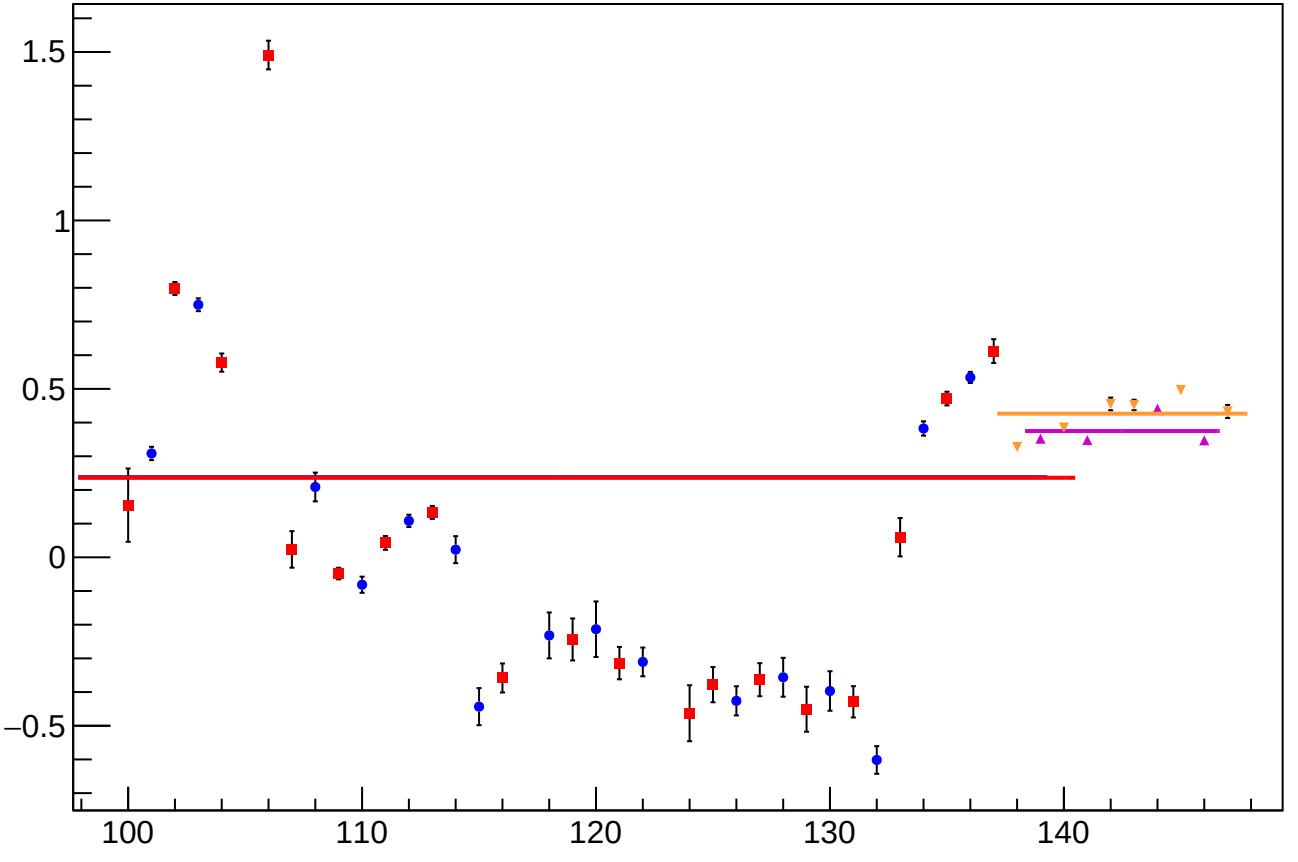
Left In: -18.263+/-0.142 χ^2/NDF:543.6/3

+ sign -16.977+/-0.088 χ^2/NDF: 2148.0/21

All: -17.115+/-0.064 χ^2/NDF: 3467.1/44

- sign -17.271+/-0.094 χ^2/NDF: 1313.9/22

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.006 χ^2/NDF:105.8/5

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

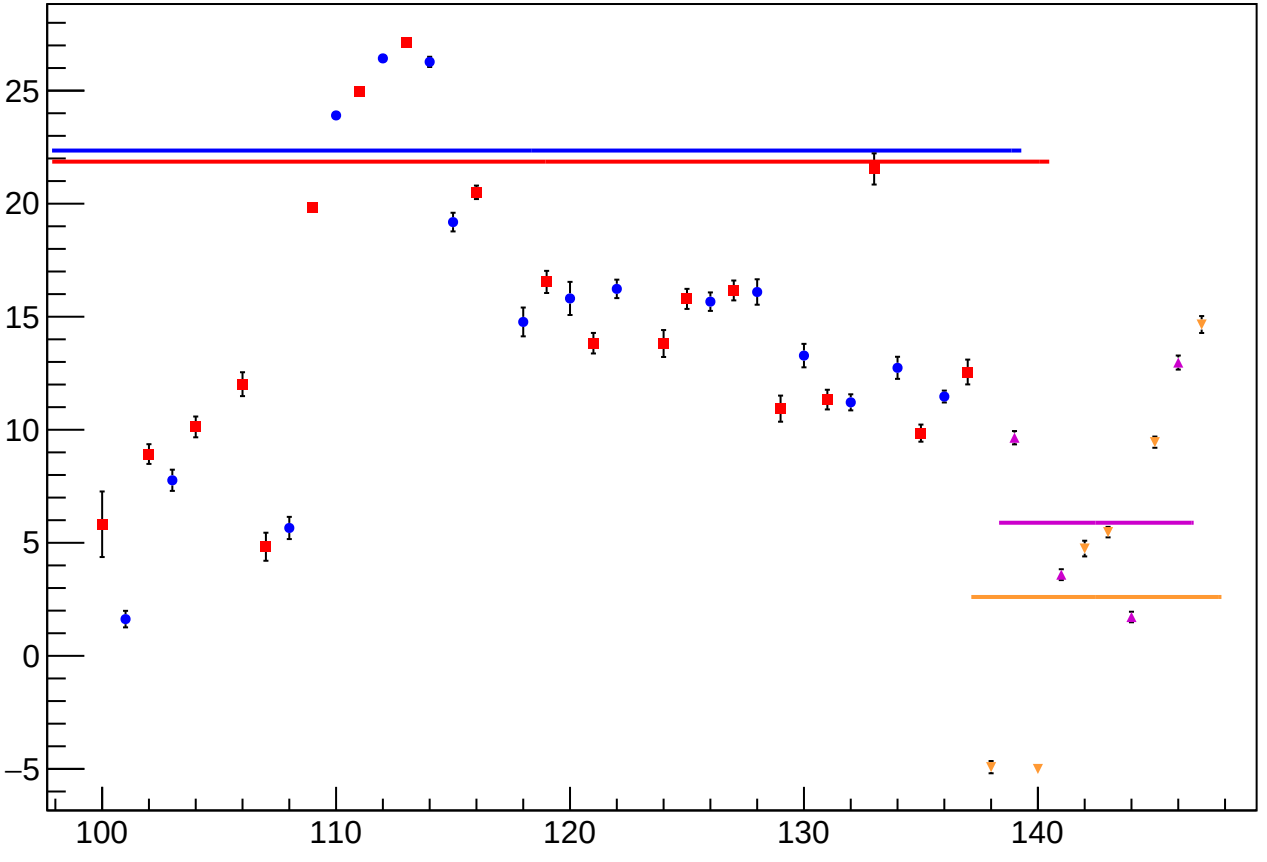
Left In: 0.375+/-0.007 χ^2/NDF:38.3/3

+ sign 0.349+/-0.005 χ^2/NDF: 3160.9/21

All: 0.331+/-0.003 χ^2/NDF: 7033.1/44

- sign 0.310+/-0.005 χ^2/NDF: 3836.5/22

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 2.604+/-0.108 χ^2/NDF:4027.0/5

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

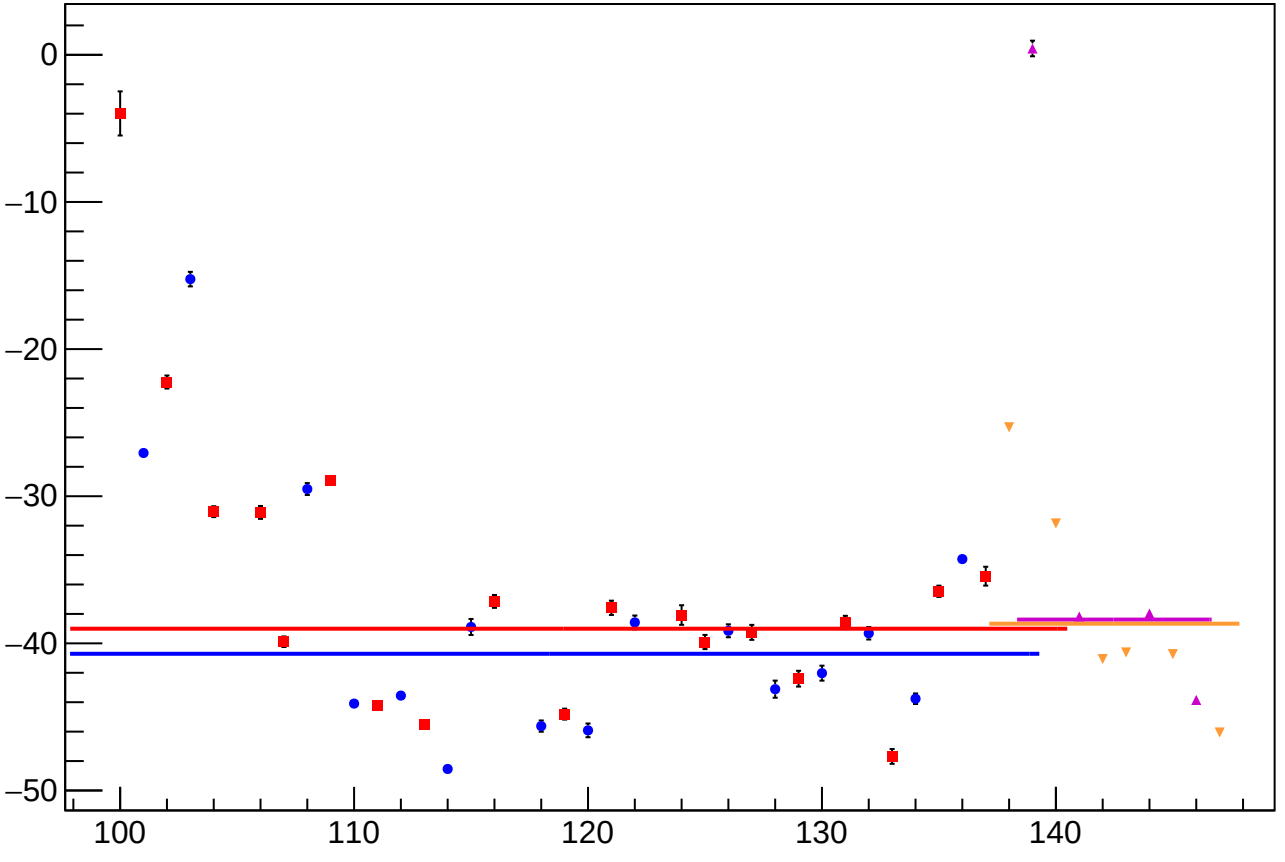
Left In: 5.888+/-0.132 χ^2/NDF:1091.6/3

+ sign 18.100+/-0.050 χ^2/NDF: 42601.1/21

All: 19.241+/-0.033 χ^2/NDF: 68353.6/44

- sign 20.108+/-0.044 χ^2/NDF: 24840.1/22

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.664+/-0.079 χ^2/NDF:6260.9/5

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

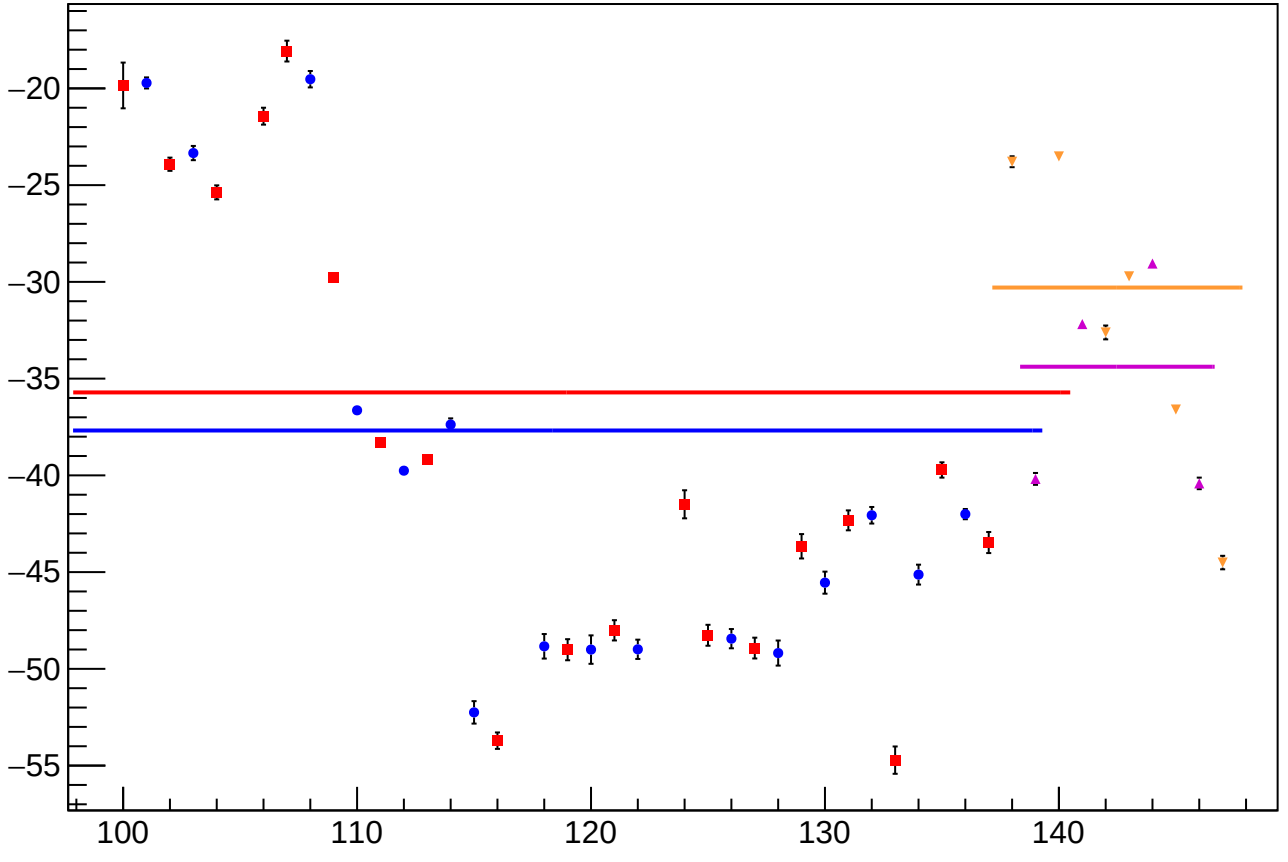
Left In: -38.385+/-0.101 χ^2/NDF:6217.5/3

+ sign -39.724+/-0.055 χ^2/NDF: 14385.6/21

All: -39.285+/-0.040 χ^2/NDF: 30863.6/44

- sign -38.799+/-0.058 χ^2/NDF: 16344.2/22

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -30.293+/-0.110 χ^2/NDF:3794.0/5

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

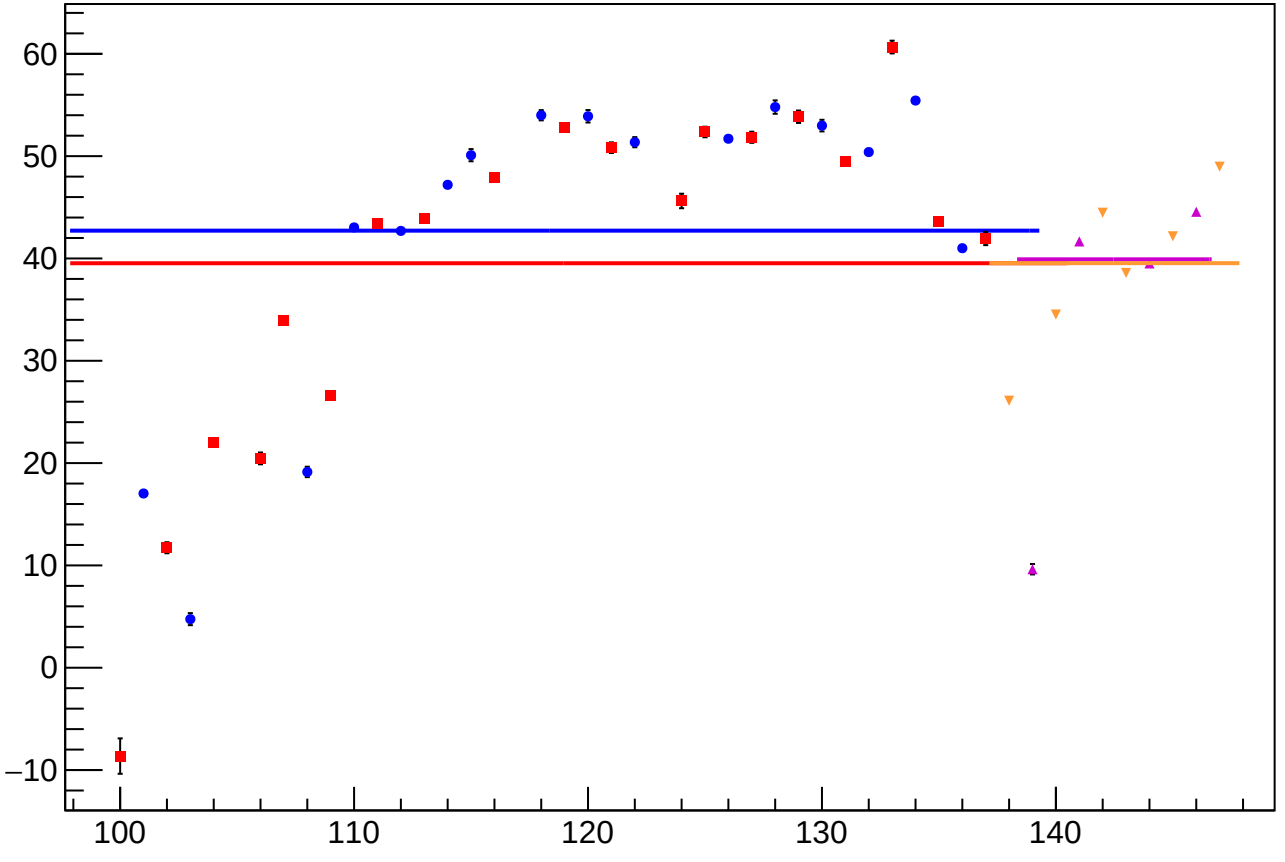
Left In: -34.385+/-0.134 χ^2/NDF:1334.4/3

+ sign -35.401+/-0.061 χ^2/NDF: 17745.1/21

All: -35.435+/-0.042 χ^2/NDF: 32434.3/44

- sign -35.465+/-0.058 χ^2/NDF: 14688.6/22

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 39.541+/-0.096 χ^2/NDF:4616.4/5

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

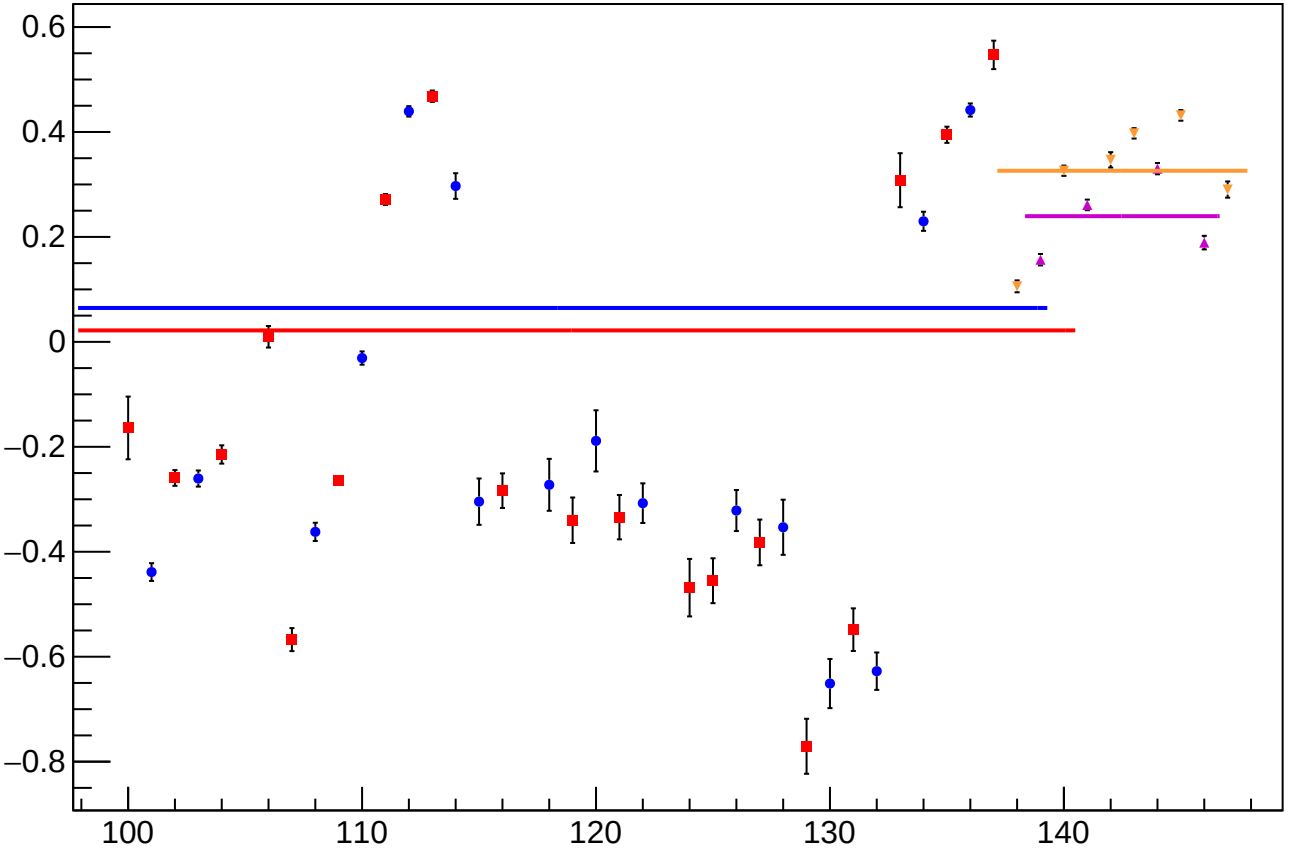
Left In: 39.916+/-0.120 χ^2/NDF:4017.4/3

\+ sign 41.322+/-0.064 χ^2/NDF: 19994.2/21

All: 40.508+/-0.046 χ^2/NDF: 42333.4/44

\- sign 39.648+/-0.065 χ^2/NDF: 22002.8/22

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.326+/-0.005 χ^2/NDF:543.2/5

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

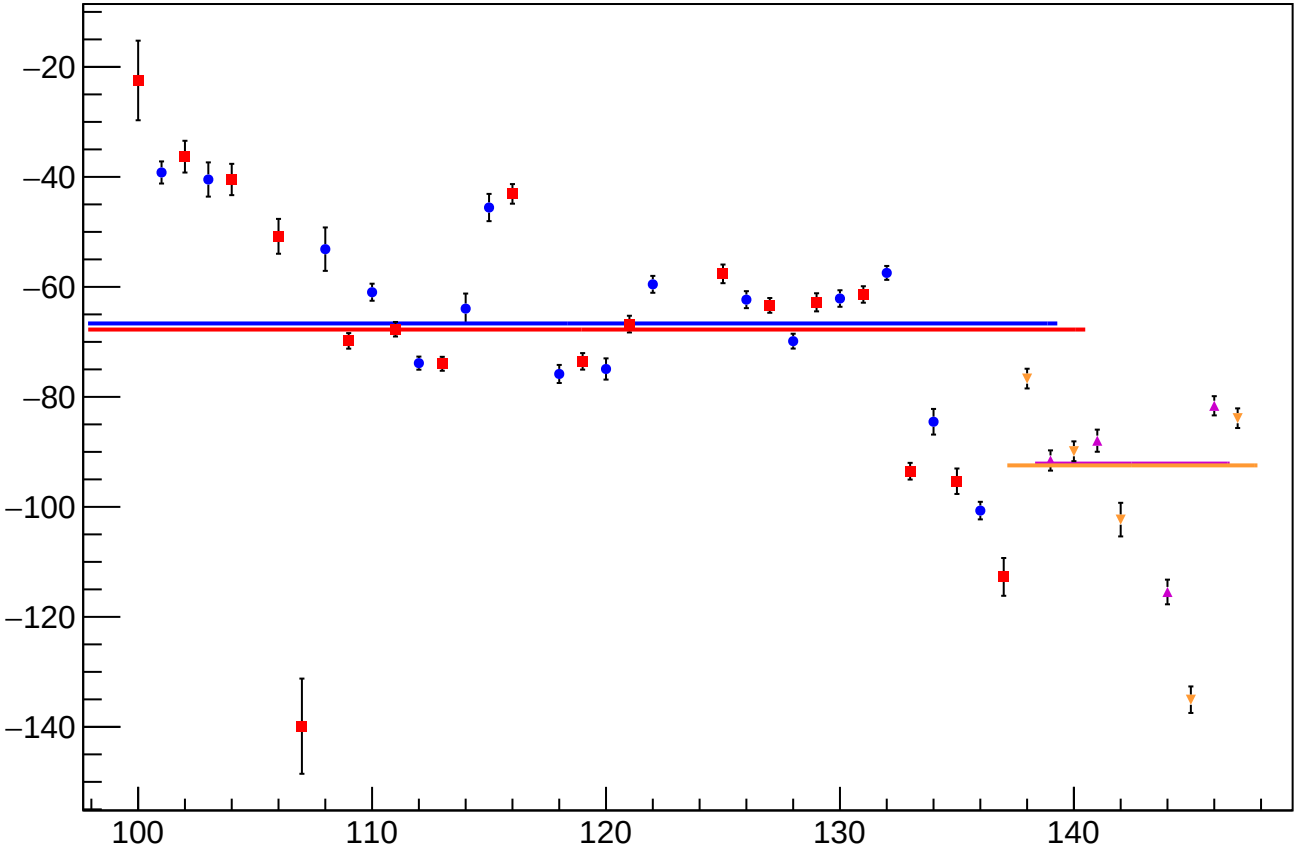
Left In: 0.240+/-0.006 χ^2/NDF:148.2/3

+ sign 0.202+/-0.003 χ^2/NDF: 7568.9/21

All: 0.155+/-0.002 χ^2/NDF: 15472.5/44

- sign 0.106+/-0.003 χ^2/NDF: 7506.1/22

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -92.454+/-0.908 χ^2/NDF:425.2/4

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

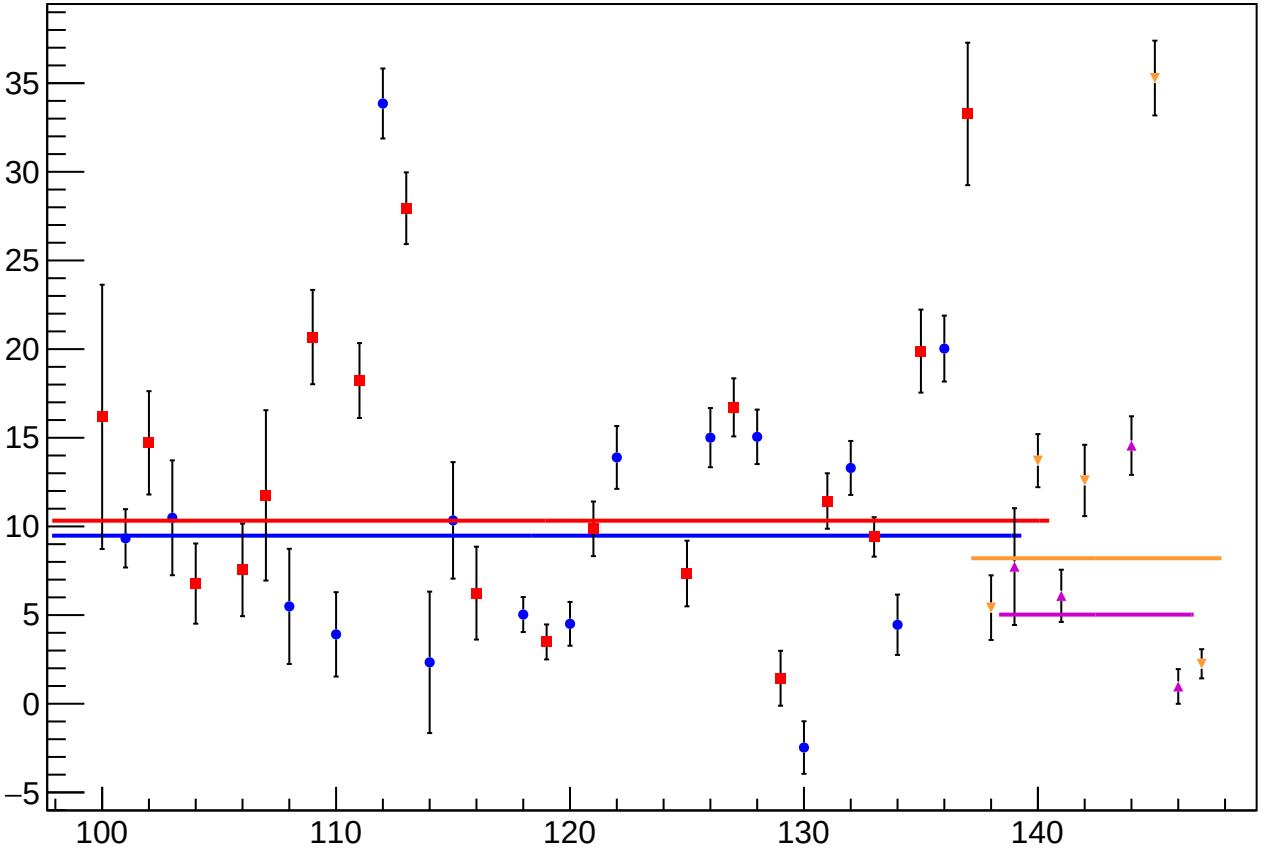
Left In: -92.129+/-0.967 χ^2/NDF:148.9/3

+ sign -71.303+/-0.386 χ^2/NDF: 2139.2/20

All: -71.458+/-0.272 χ^2/NDF: 4078.2/42

- sign -71.613+/-0.385 χ^2/NDF: 1938.7/21

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 8.206+/-0.609 χ^2/NDF:238.0/4

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

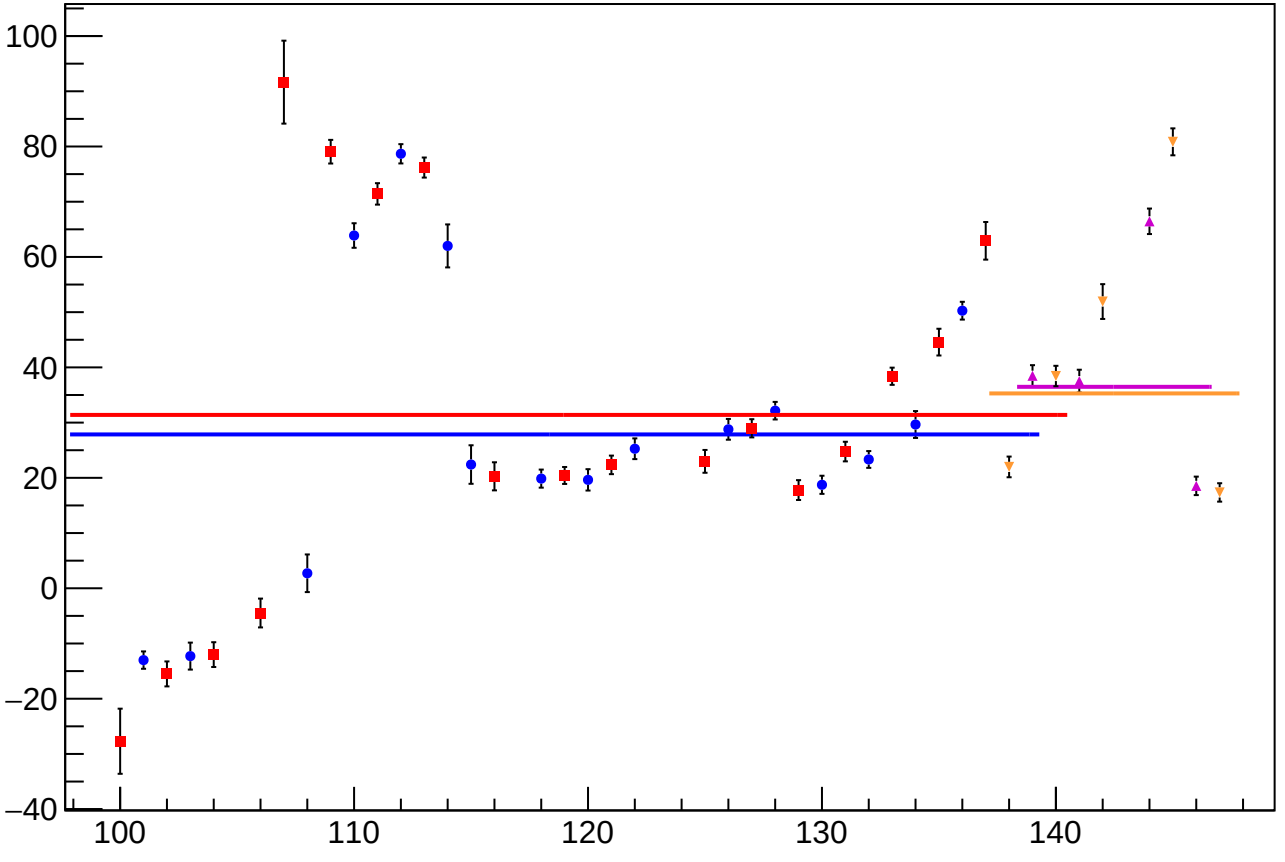
Left In: 5.028+/-0.713 χ^2/NDF:51.7/3

+ sign 9.058+/-0.350 χ^2/NDF: 582.9/20

All: 8.977+/-0.255 χ^2/NDF: 938.2/42

- sign 8.886+/-0.372 χ^2/NDF: 355.2/21

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 35.285+/-0.910 χ^2/NDF:545.6/4

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

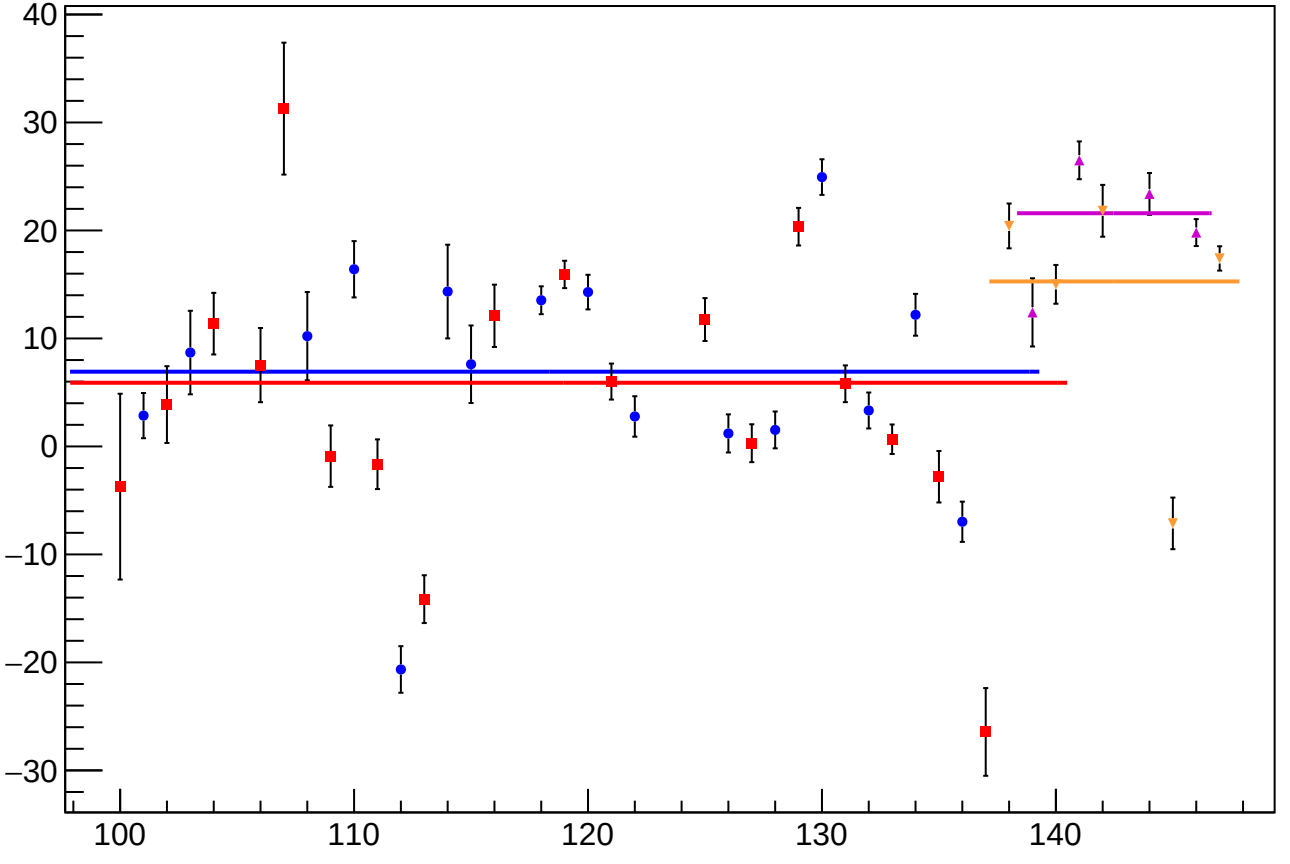
Left In: 36.480+/-0.975 χ^2/NDF:284.8/3

+ sign 29.487+/-0.426 χ^2/NDF: 3071.5/20

All: 30.916+/-0.305 χ^2/NDF: 6412.5/42

- sign 32.410+/-0.436 χ^2/NDF: 3318.0/21

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.279+/-0.772 χ^2/NDF:105.1/4

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

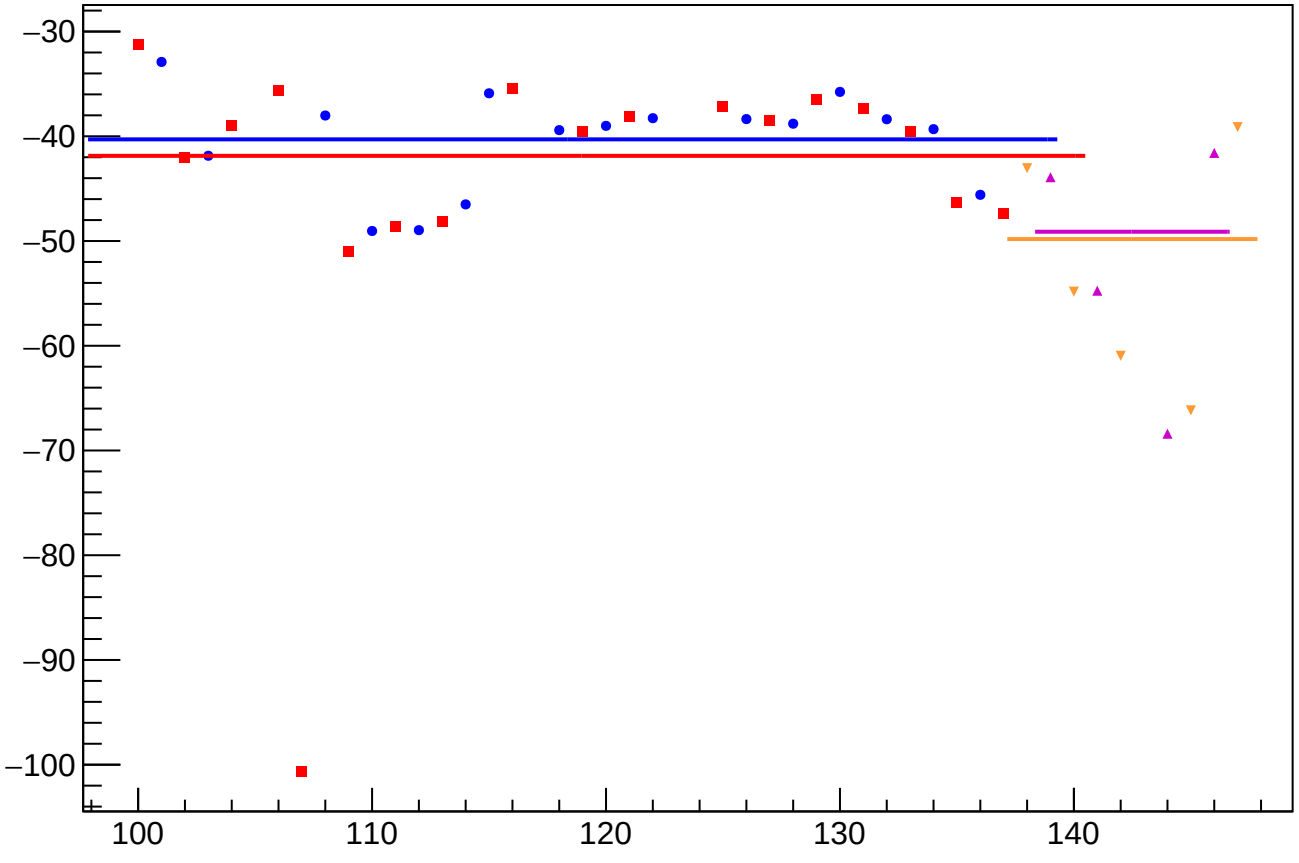
Left In: 21.596+/-0.865 χ^2/NDF:19.2/3

+ sign 9.361+/-0.417 χ^2/NDF: 632.4/20

All: 9.594+/-0.301 χ^2/NDF: 1266.3/42

- sign 9.847+/-0.434 χ^2/NDF: 633.3/21

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -49.813+/-0.038 χ^2/NDF:69085.3/4

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

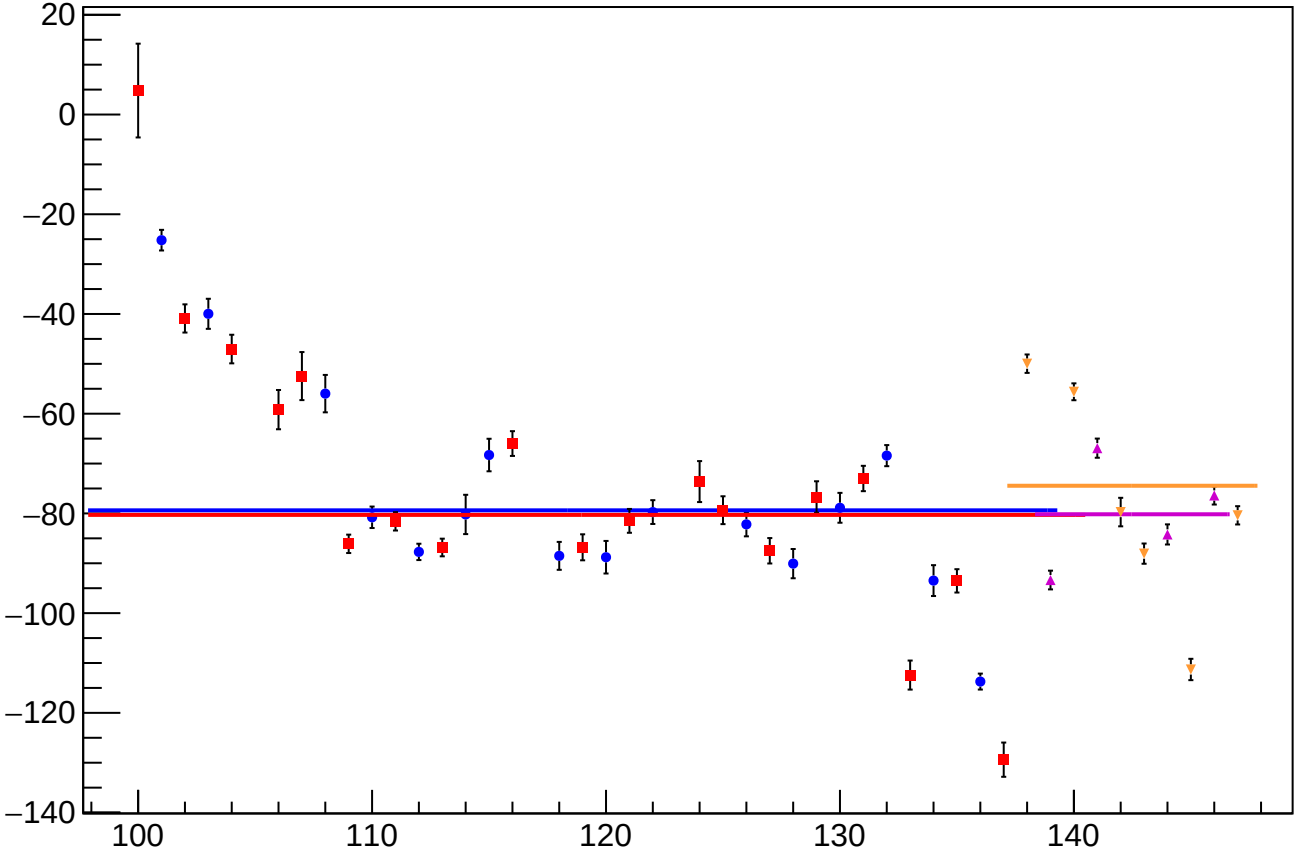
Left In: -49.113+/-0.039 χ^2/NDF:55800.9/3

+ sign -44.107+/-0.024 χ^2/NDF: 126577.7/20

All: -44.422+/-0.017 χ^2/NDF: 261749.3/42

- sign -44.753+/-0.025 χ^2/NDF: 134826.5/21

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.451+/-0.810 χ^2/NDF:655.2/5

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

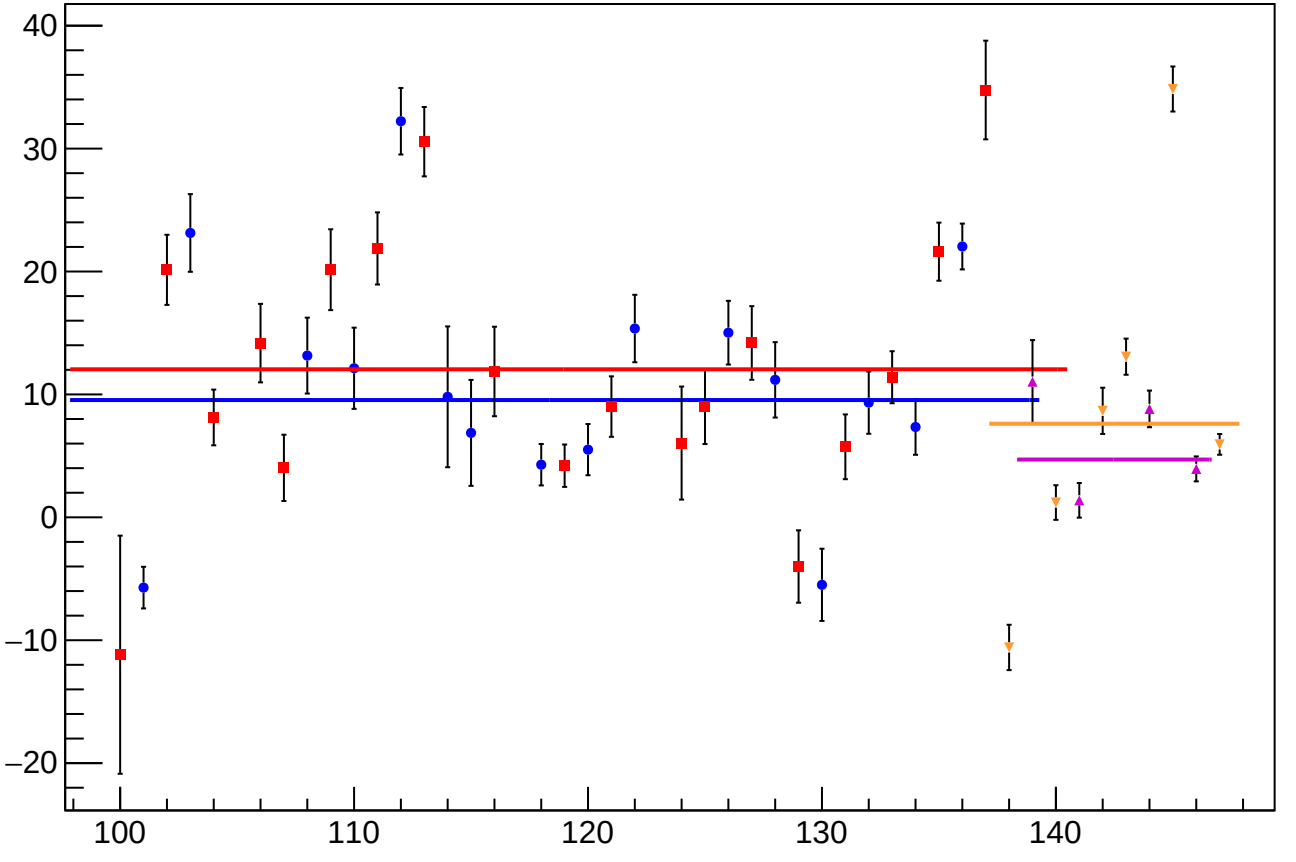
Left In: -80.172+/-0.953 χ^2/NDF:105.1/3

+ sign -77.594+/-0.488 χ^2/NDF: 2154.7/21

All: -78.867+/-0.353 χ^2/NDF: 3188.7/44

- sign -80.259+/-0.510 χ^2/NDF: 1019.8/22

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 7.614+/-0.555 χ^2/NDF:357.1/5

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

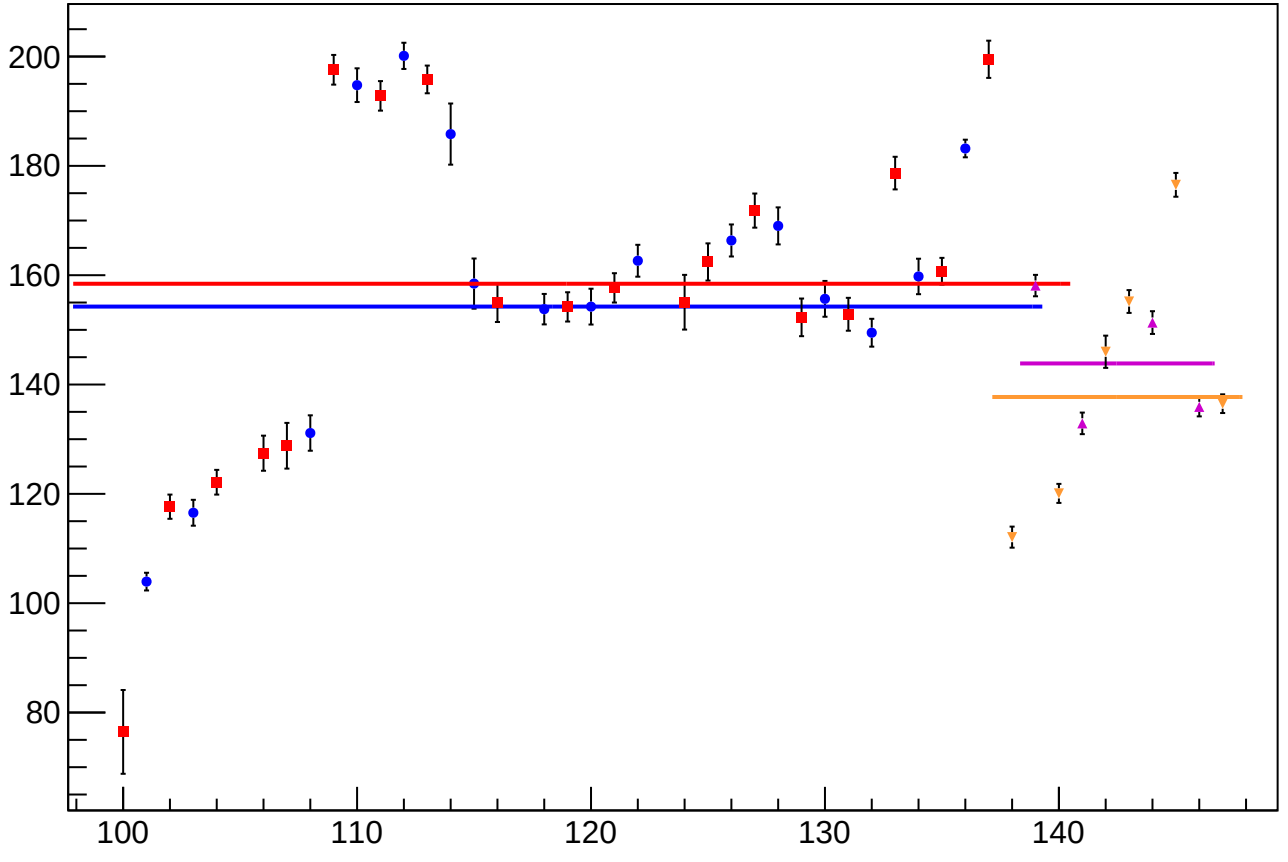
Left In: 4.702+/-0.705 χ^2/NDF:17.3/3

+ sign 8.470+/-0.414 χ^2/NDF: 629.5/21

All: 8.590+/-0.311 χ^2/NDF: 902.5/44

- sign 8.746+/-0.473 χ^2/NDF: 272.8/22

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 137.720+/-0.817 χ^2/NDF:675.8/5

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

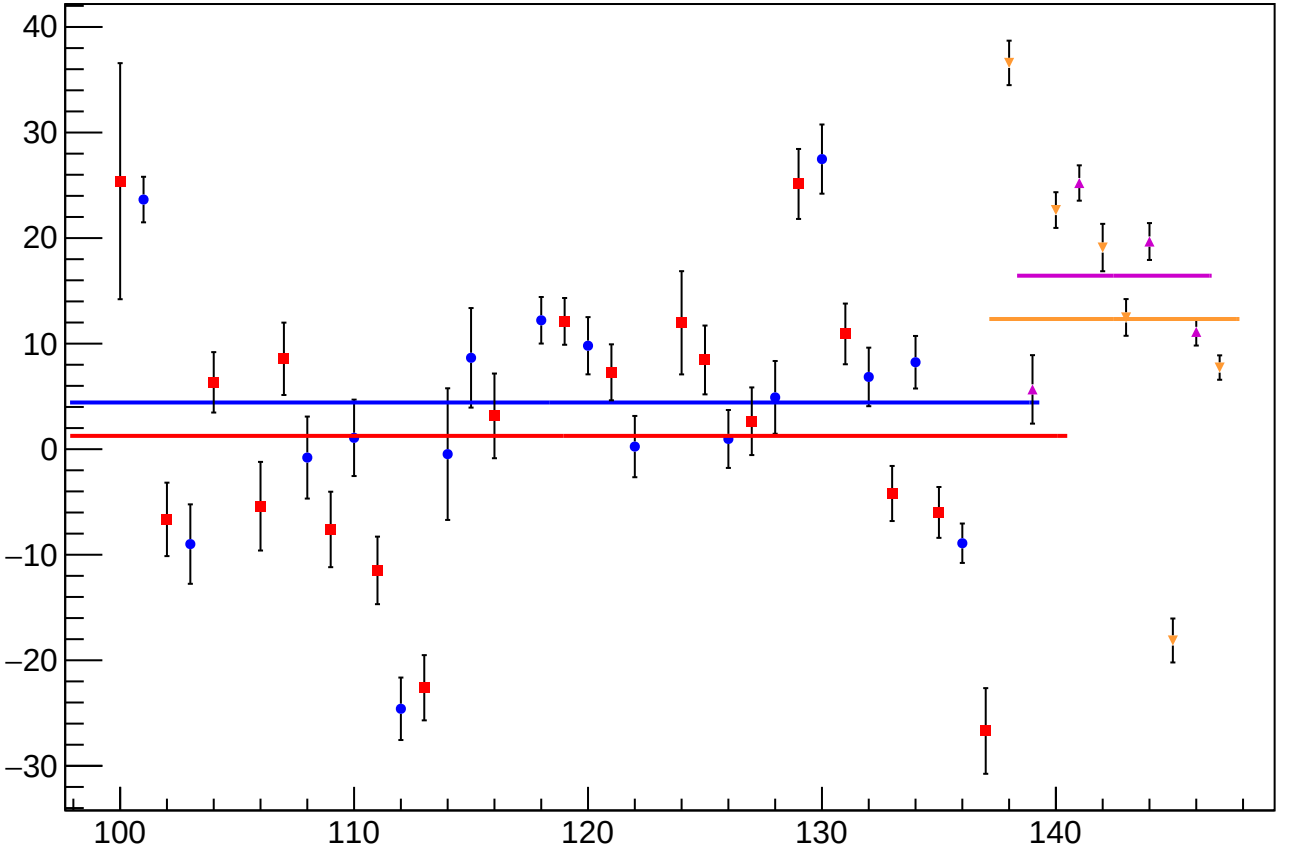
Left In: 143.856+/-0.963 χ^2/NDF:117.5/3

+ sign 147.711+/-0.514 χ^2/NDF: 3136.9/21

All: 150.402+/-0.378 χ^2/NDF: 5130.8/44

- sign 153.557+/-0.557 χ^2/NDF: 1934.4/22

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 12.334+/-0.693 χ^2/NDF:408.7/5

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

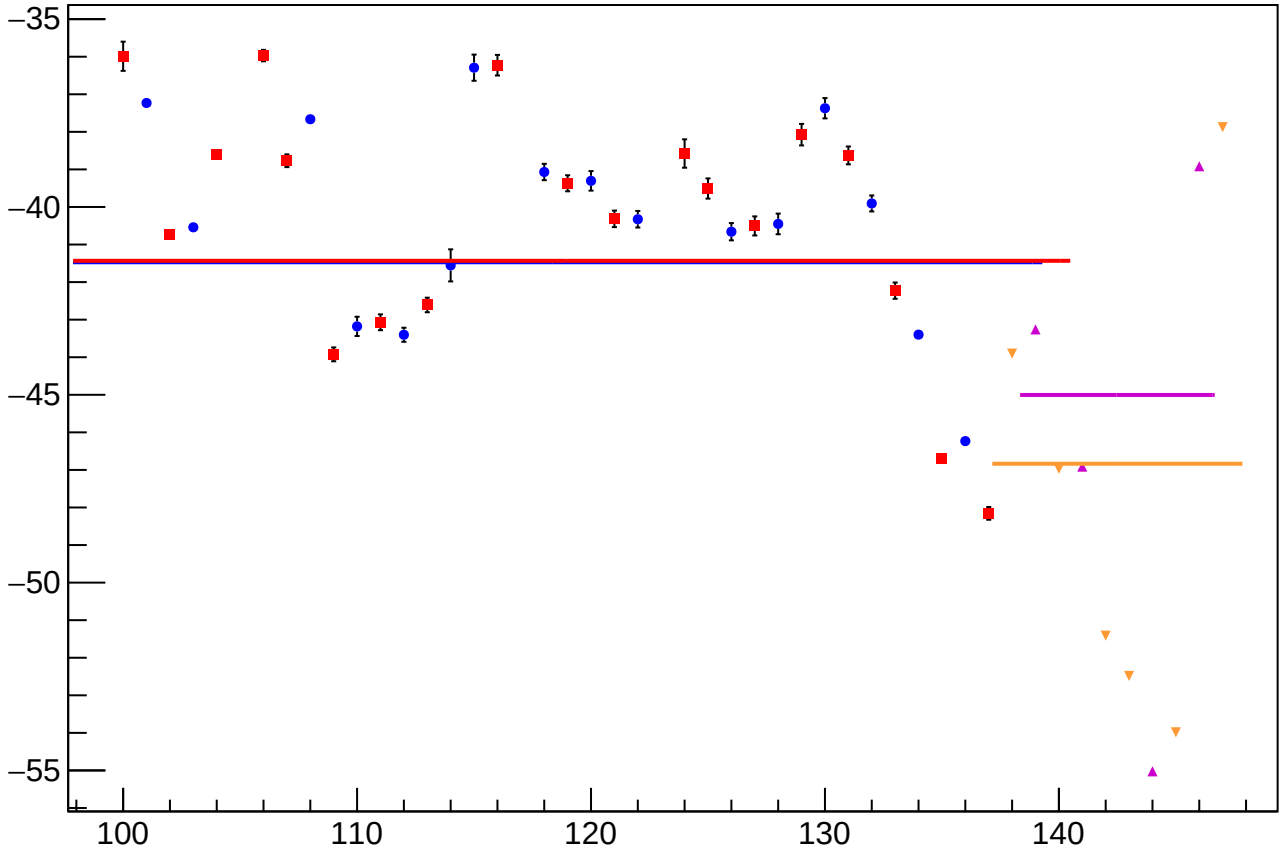
Left In: 16.436+/-0.853 χ^2/NDF:58.9/3

+ sign 8.496+/-0.497 χ^2/NDF: 788.0/21

All: 8.140+/-0.370 χ^2/NDF: 1295.4/44

- sign 7.696+/-0.555 χ^2/NDF: 506.2/22

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -46.836+/-0.034 χ^2/NDF:27913.5/5

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

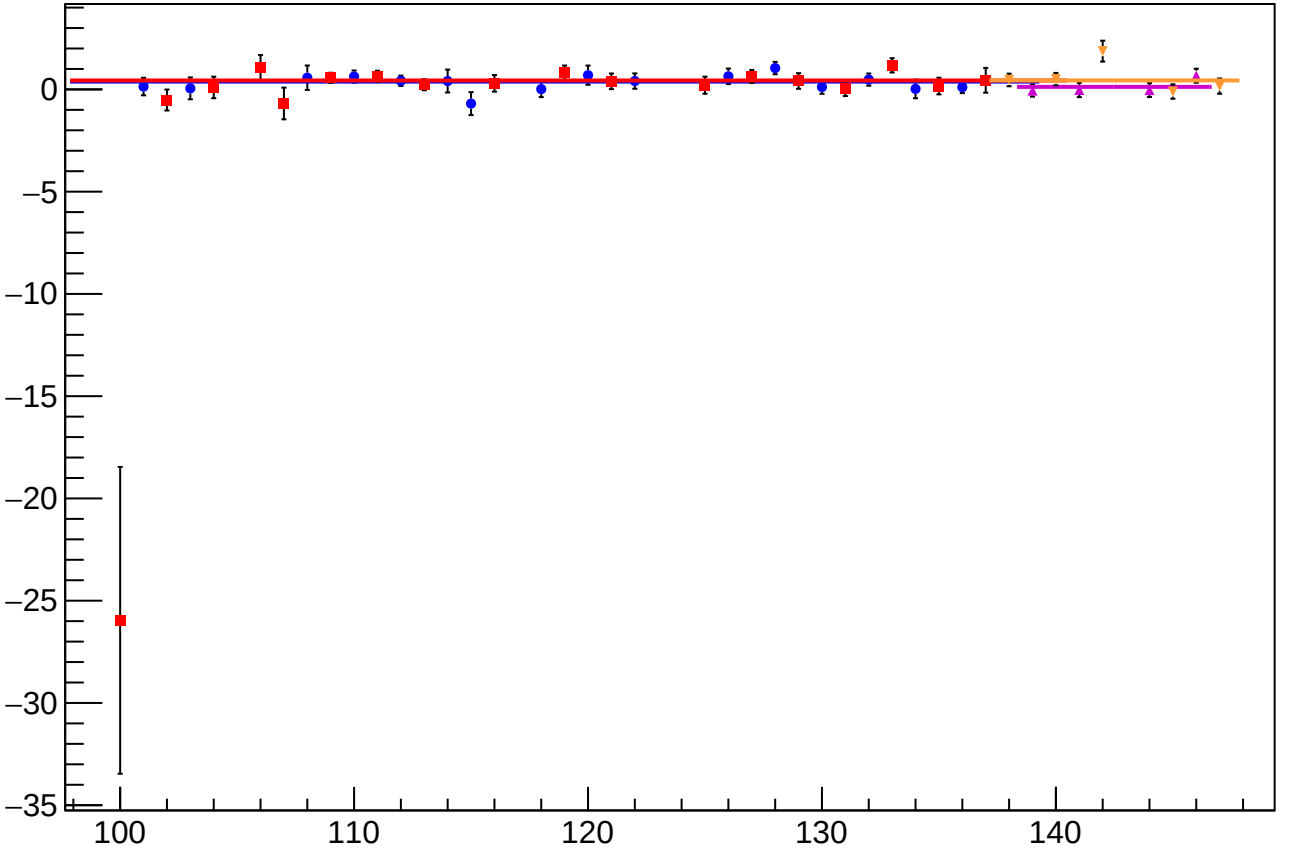
Left In: -45.004+/-0.039 χ^2/NDF:19380.1/3

+ sign -44.426+/-0.026 χ^2/NDF: 46734.6/21

All: -43.881+/-0.019 χ^2/NDF: 79456.6/44

- sign -43.235+/-0.028 χ^2/NDF: 31727.6/22

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.440+/-0.157 χ^2/NDF:10.8/4

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

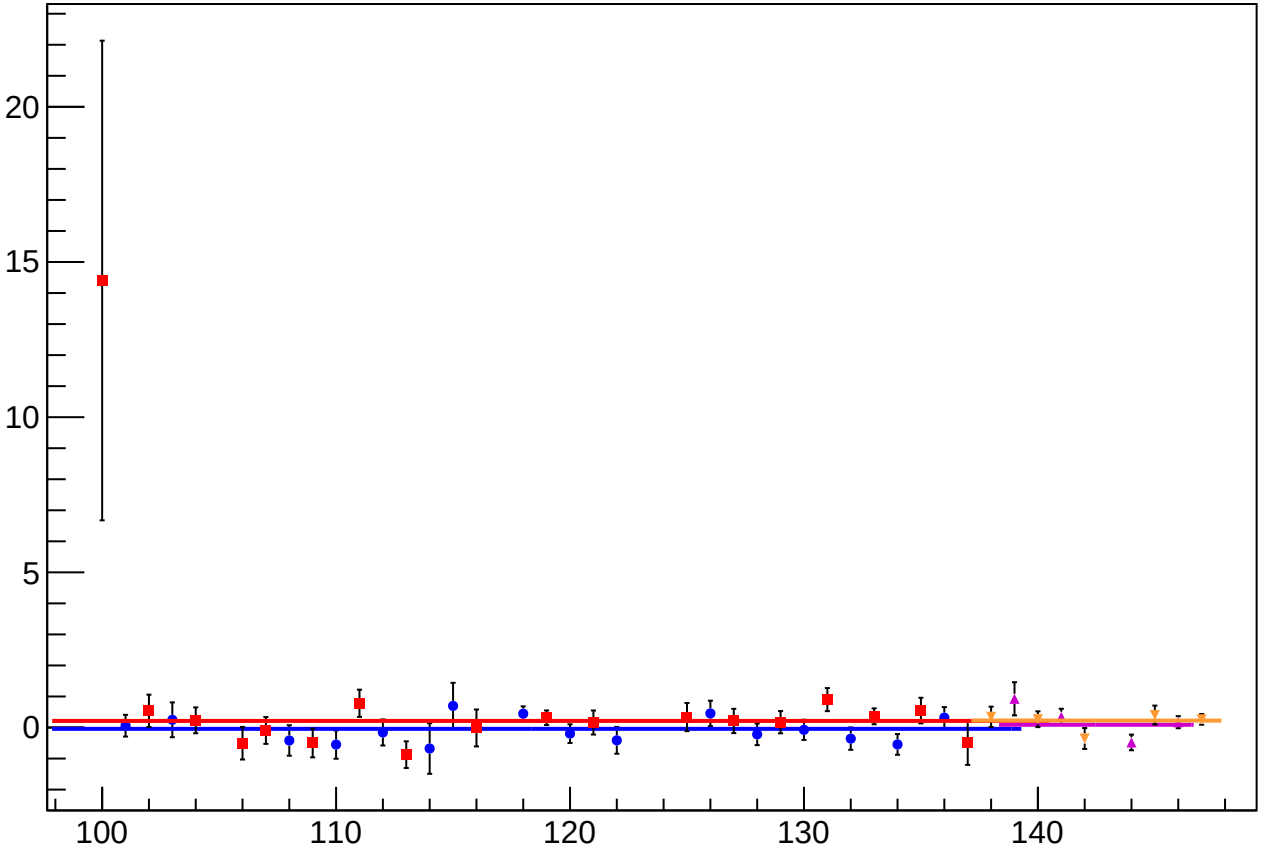
Left In: 0.124+/-0.165 χ^2/NDF:3.3/3

+ sign 0.397+/-0.079 χ^2/NDF: 24.9/20

All: 0.381+/-0.056 χ^2/NDF: 60.1/42

- sign 0.365+/-0.079 χ^2/NDF: 35.1/21

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.224+/-0.113 χ^2/NDF:3.5/4

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

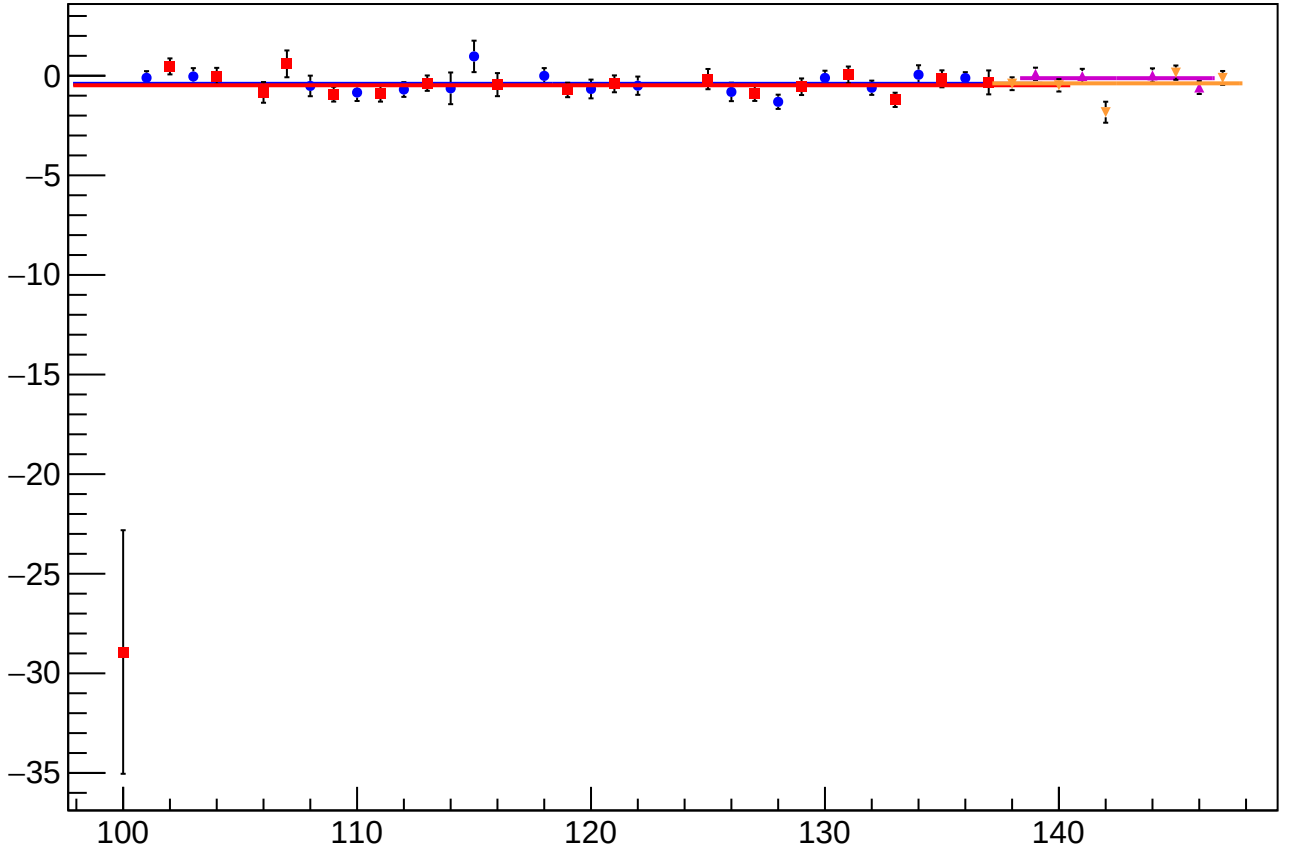
Left In: 0.089+/-0.128 χ^2/NDF:8.7/3

+ sign 0.066+/-0.072 χ^2/NDF: 21.8/20

All: 0.115+/-0.053 χ^2/NDF: 54.5/42

- sign 0.169+/-0.076 χ^2/NDF: 31.7/21

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.382+/-0.159 χ^2/NDF:10.5/4

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

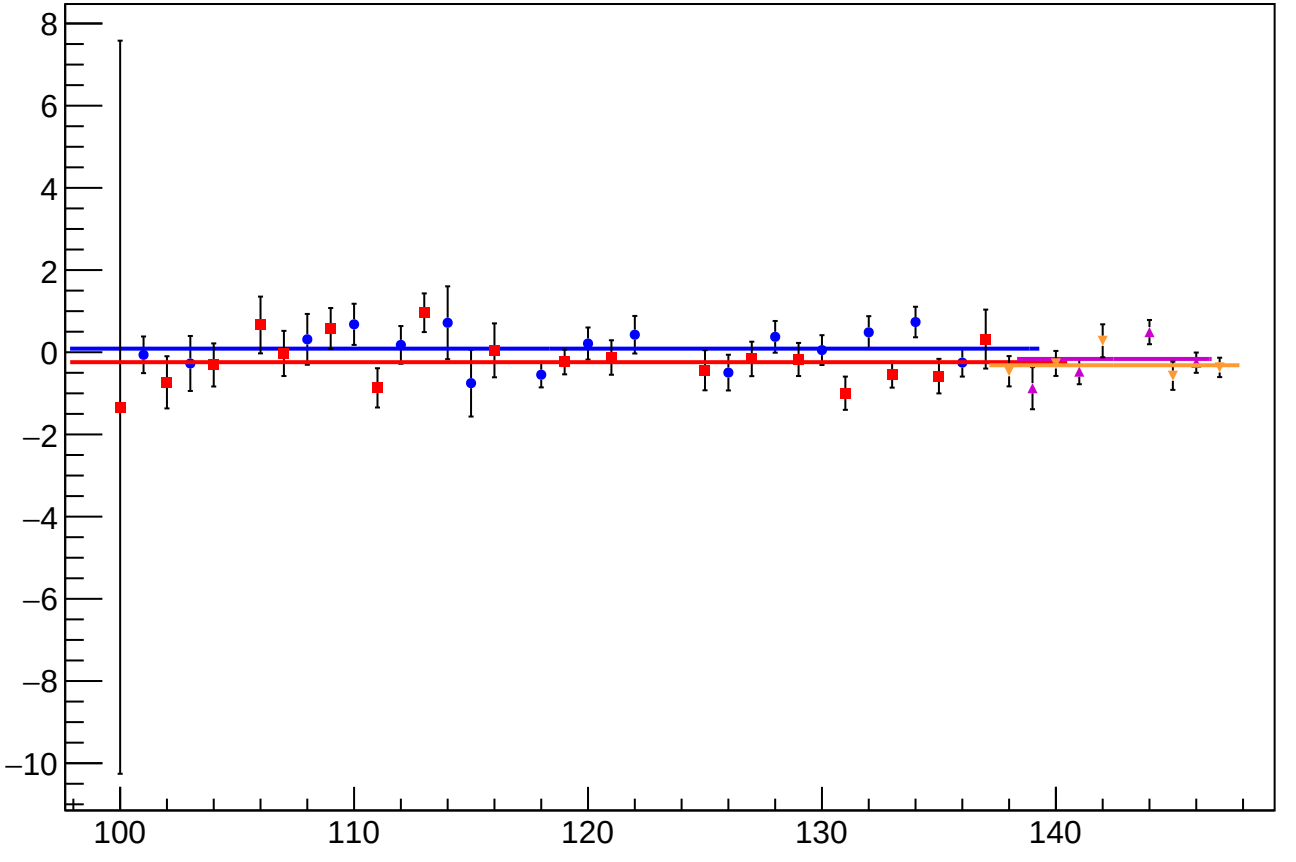
Left In: -0.123+/-0.167 χ^2/NDF:2.8/3

+ sign -0.399+/-0.087 χ^2/NDF: 28.3/20

All: -0.389+/-0.062 χ^2/NDF: 76.6/42

- sign -0.379+/-0.089 χ^2/NDF: 48.3/21

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.316+/-0.140 χ^2/NDF:3.0/4

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

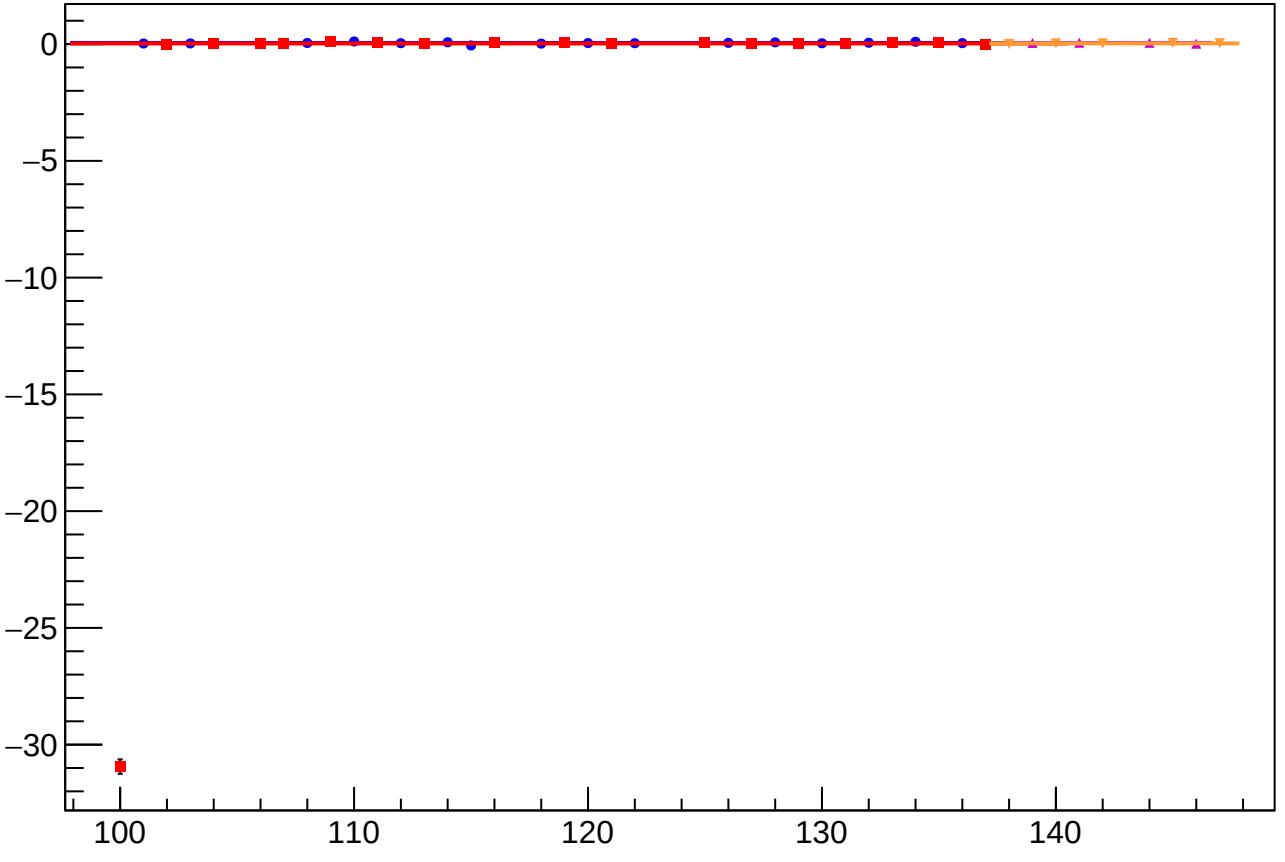
Left In: -0.163+/-0.154 χ^2/NDF:8.0/3

+ sign -0.063+/-0.086 χ^2/NDF: 24.0/20

All: -0.136+/-0.062 χ^2/NDF: 53.3/42

- sign -0.215+/-0.089 χ^2/NDF: 27.8/21

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.031+/-0.007 χ^2/NDF:6.6/4

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

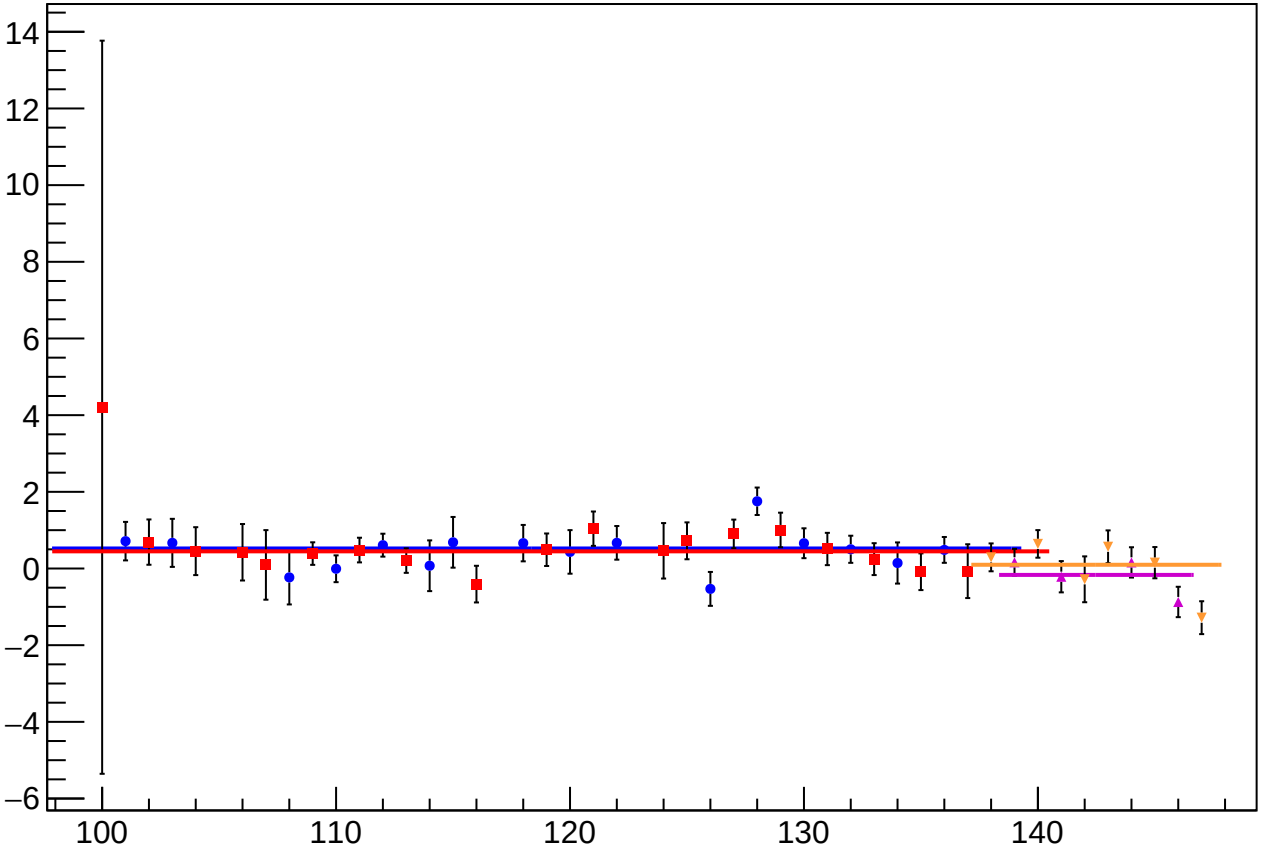
Left In: 0.047+/-0.007 χ^2/NDF:5.5/3

+ sign 0.040+/-0.005 χ^2/NDF: 29.7/20

All: 0.039+/-0.003 χ^2/NDF: 10060.7/42

- sign 0.037+/-0.005 χ^2/NDF: 10030.9/21

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.098+/-0.169 χ^2/NDF:14.6/5

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

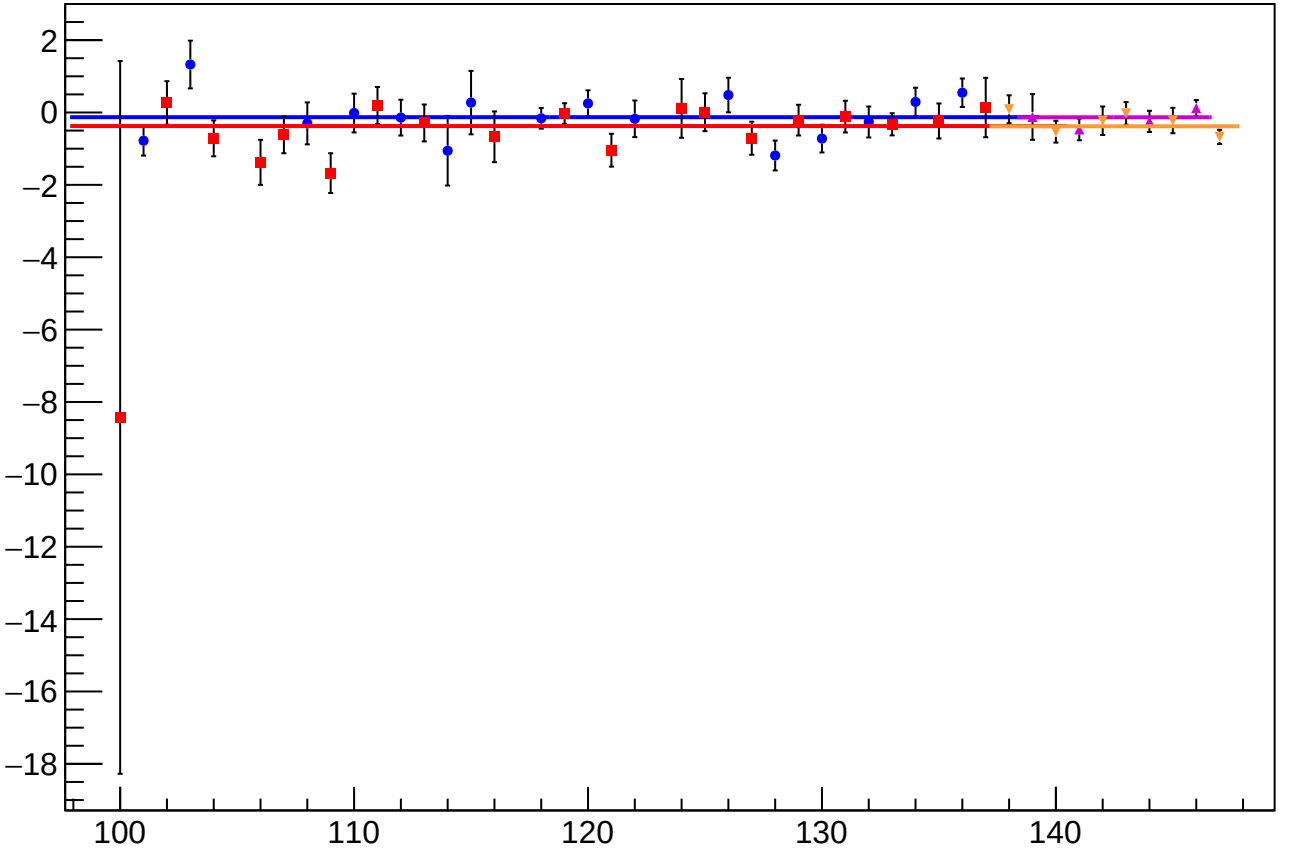
Left In: -0.167+/-0.193 χ^2/NDF:4.8/3

\+ sign 0.398+/-0.091 χ^2/NDF: 41.7/21

All: 0.353+/-0.065 χ^2/NDF: 66.2/44

\- sign 0.307+/-0.092 χ^2/NDF: 24.0/22

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.382+/-0.121 χ^2/NDF:5.6/5

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

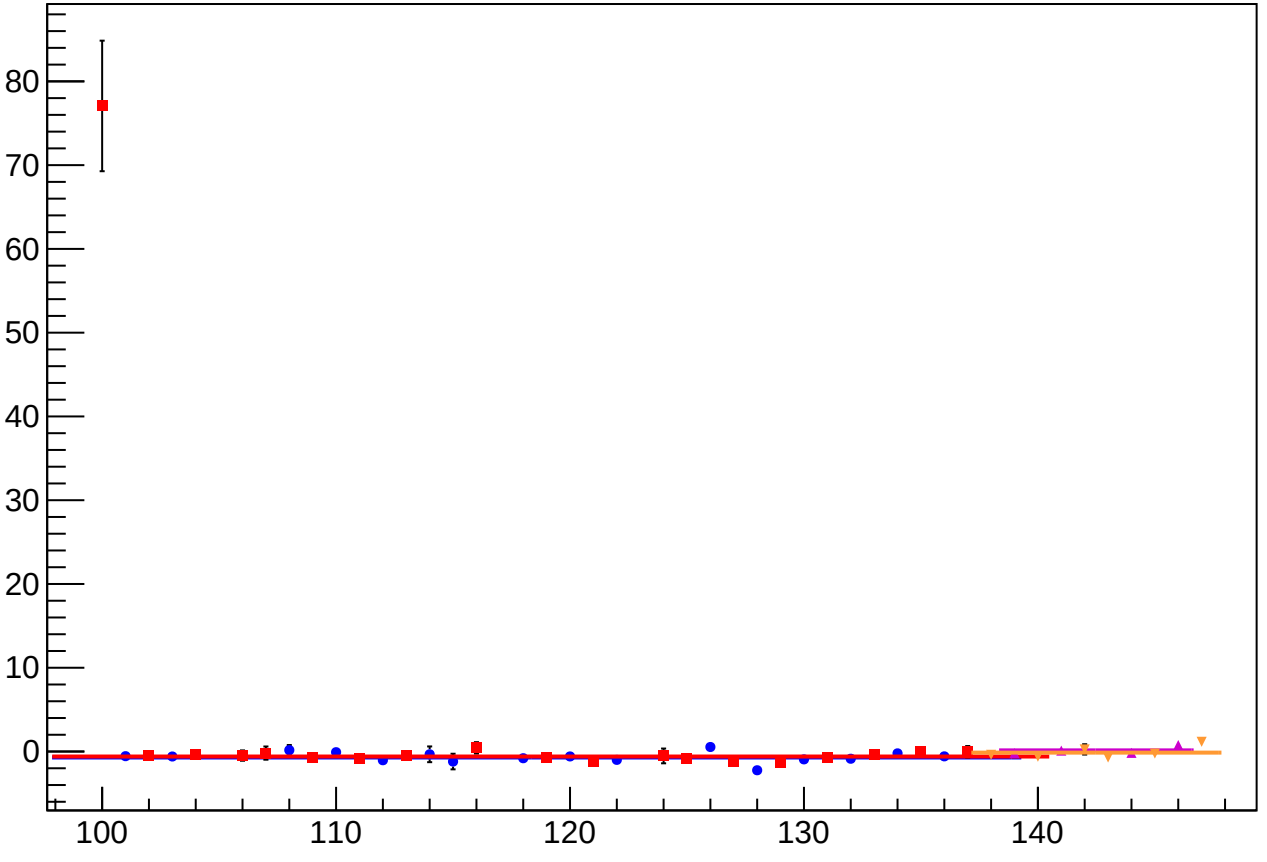
Left In: -0.133+/-0.149 χ^2/NDF:2.7/3

+ sign -0.246+/-0.082 χ^2/NDF: 32.5/21

All: -0.265+/-0.060 χ^2/NDF: 55.2/44

- sign -0.288+/-0.089 χ^2/NDF: 22.5/22

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.131+/-0.171 χ^2/NDF:14.9/5

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

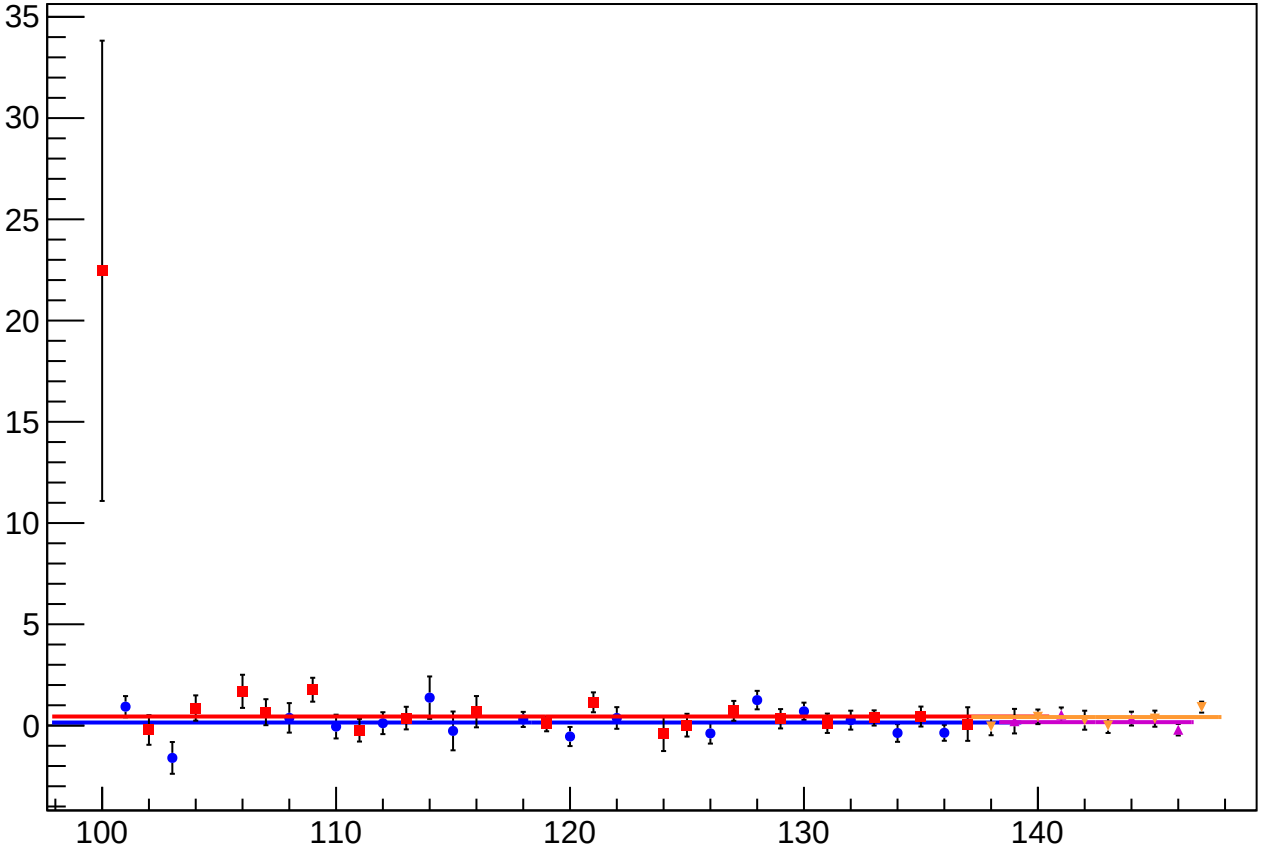
Left In: 0.135+/-0.195 χ^2/NDF:4.2/3

+ sign -0.518+/-0.099 χ^2/NDF: 47.4/21

All: -0.458+/-0.072 χ^2/NDF: 173.5/44

- sign -0.393+/-0.103 χ^2/NDF: 125.3/22

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.418+/-0.149 χ^2/NDF:5.9/5

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

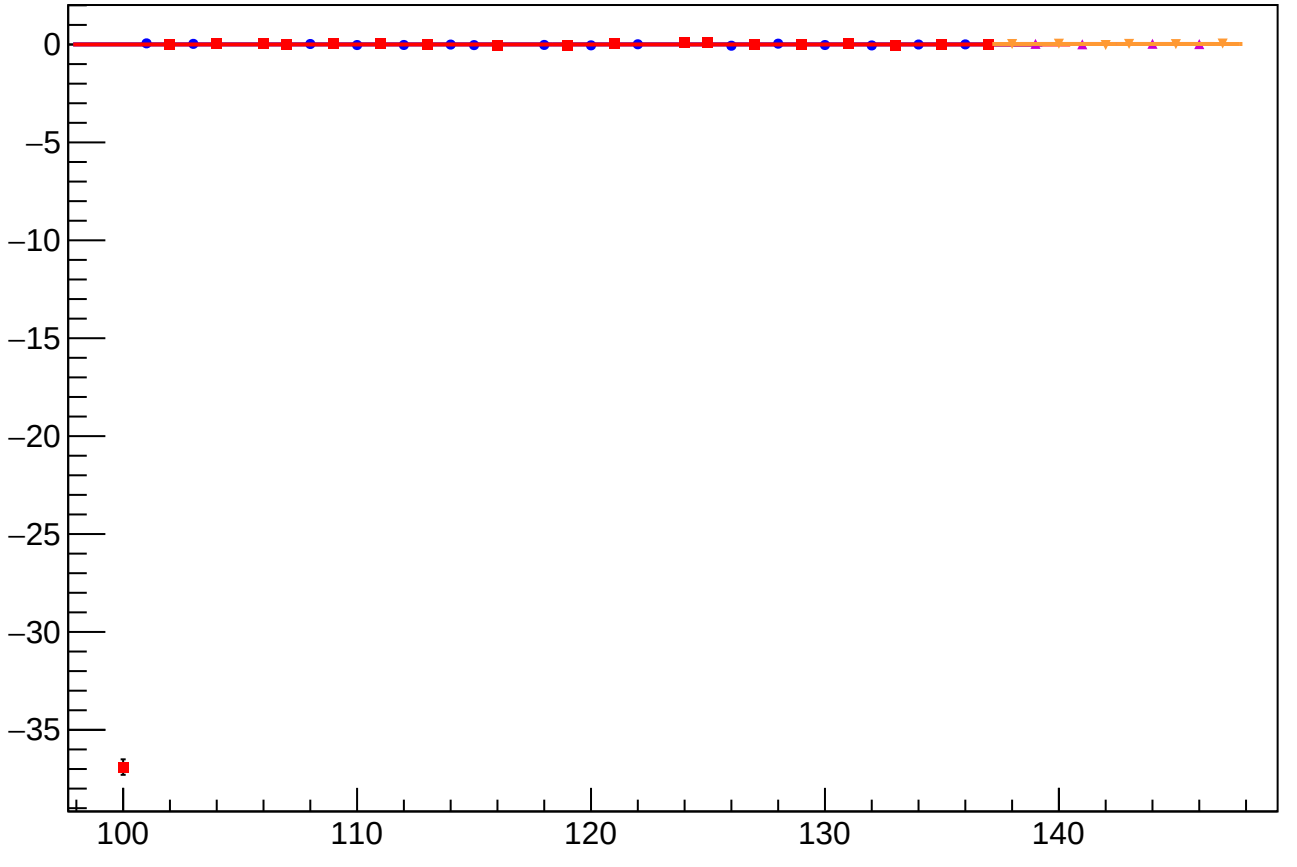
Left In: 0.166+/-0.178 χ^2/NDF:3.1/3

+ sign 0.262+/-0.097 χ^2/NDF: 31.0/21

All: 0.303+/-0.071 χ^2/NDF: 55.8/44

- sign 0.350+/-0.104 χ^2/NDF: 24.4/22

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.007 χ^2/NDF:7.0/5

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

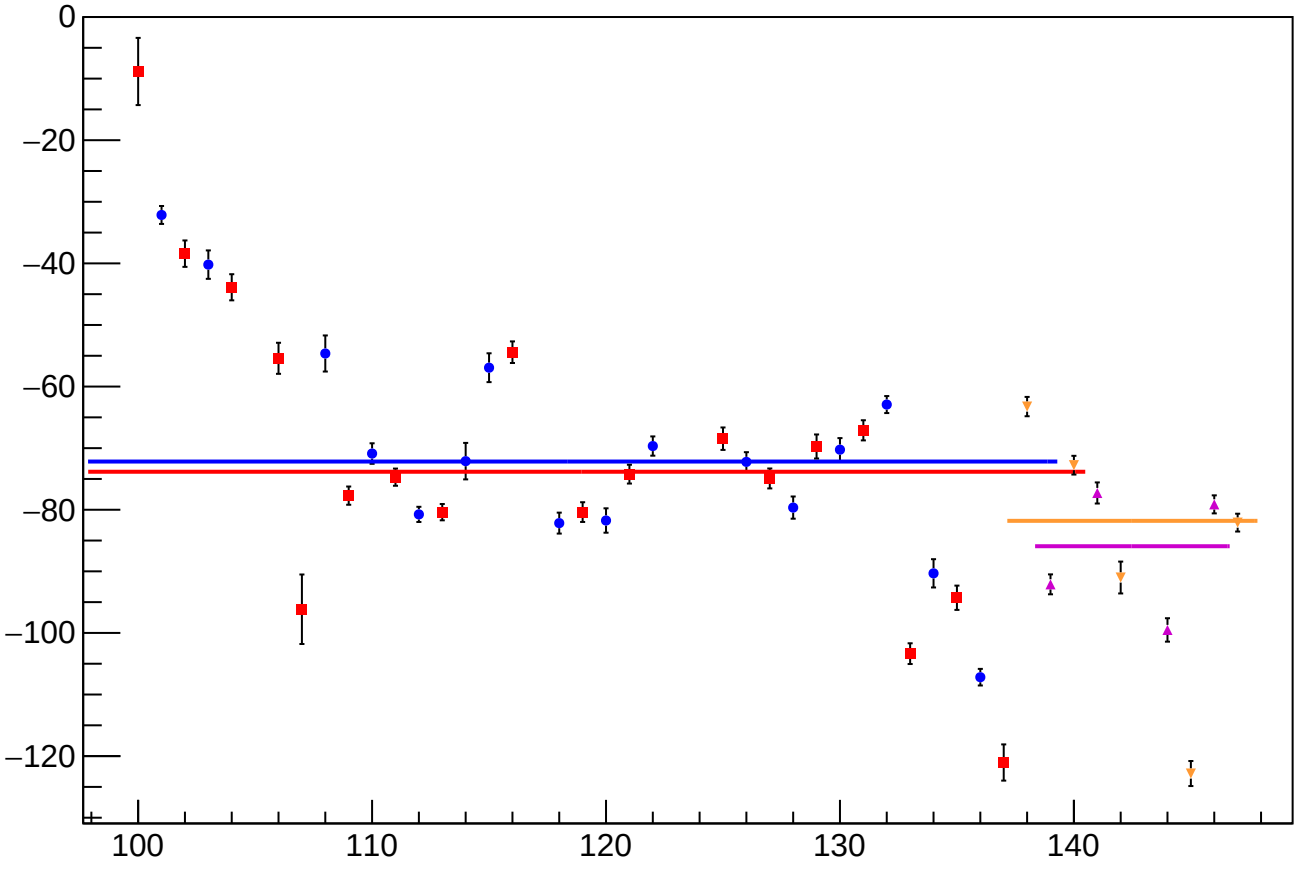
Left In: 0.027+/-0.008 χ^2/NDF:1.4/3

+ sign 0.017+/-0.005 χ^2/NDF: 28.4/21

All: 0.015+/-0.004 χ^2/NDF: 8788.5/44

- sign 0.014+/-0.005 χ^2/NDF: 8760.0/22

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.801+/-0.765 χ^2/NDF:595.3/4

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

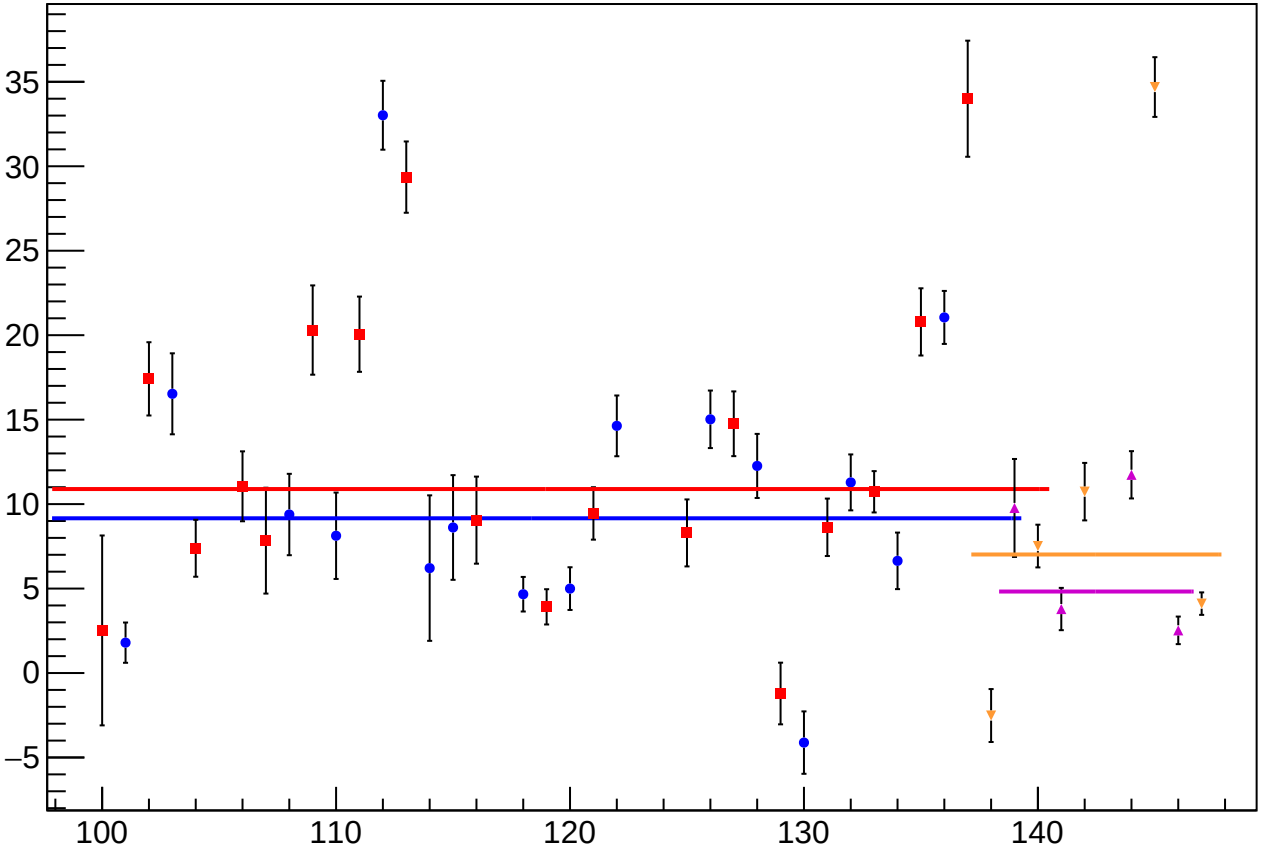
Left In: -85.923+/-0.826 χ^2/NDF:112.7/3

+ sign -74.500+/-0.376 χ^2/NDF: 2651.4/20

All: -75.443+/-0.268 χ^2/NDF: 4503.1/42

- sign -76.415+/-0.382 χ^2/NDF: 1839.0/21

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 7.018+/-0.503 χ^2/NDF:306.1/4

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

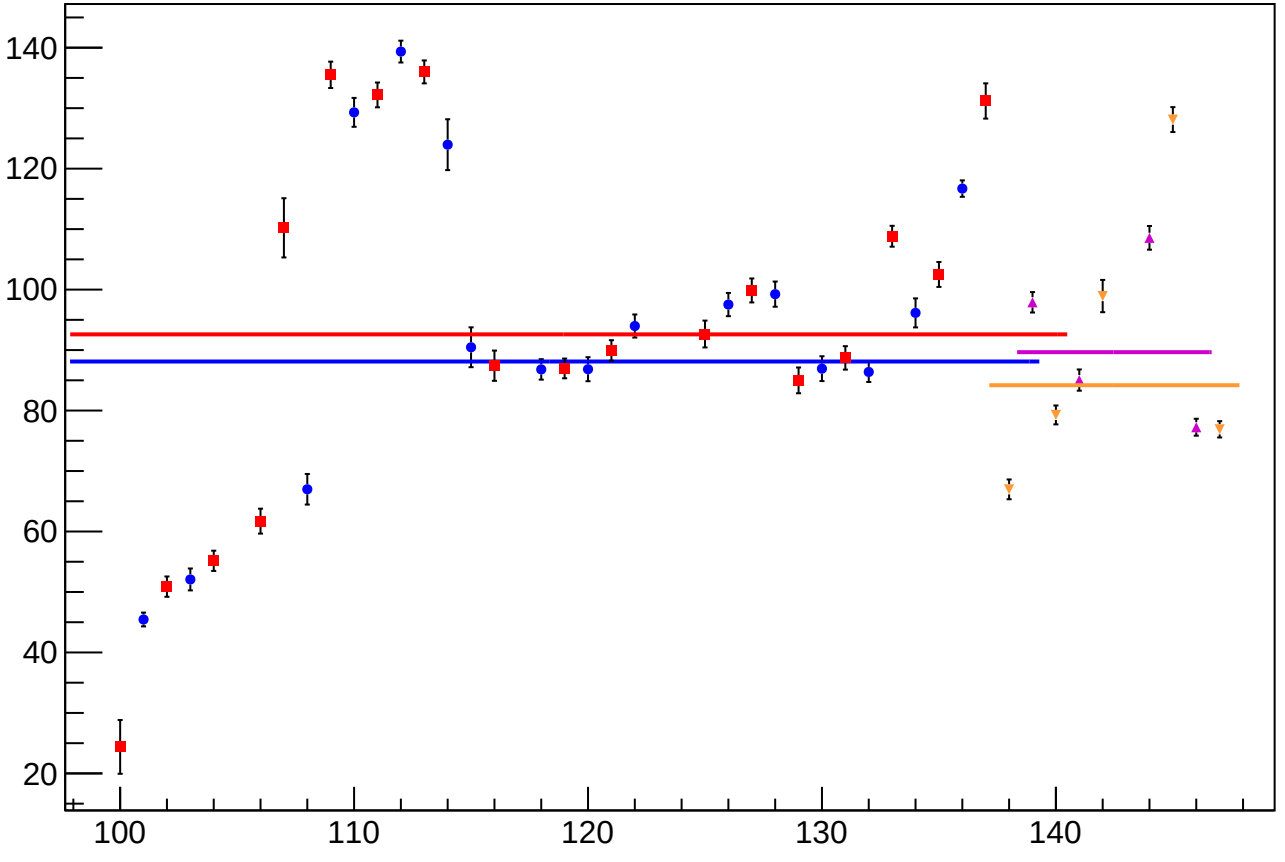
Left In: 4.825+/-0.601 χ^2/NDF:35.9/3

+ sign 8.267+/-0.325 χ^2/NDF: 668.8/20

All: 8.498+/-0.240 χ^2/NDF: 1062.4/42

- sign 8.773+/-0.355 χ^2/NDF: 392.4/21

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 84.189+/-0.765 χ^2/NDF:635.6/4

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

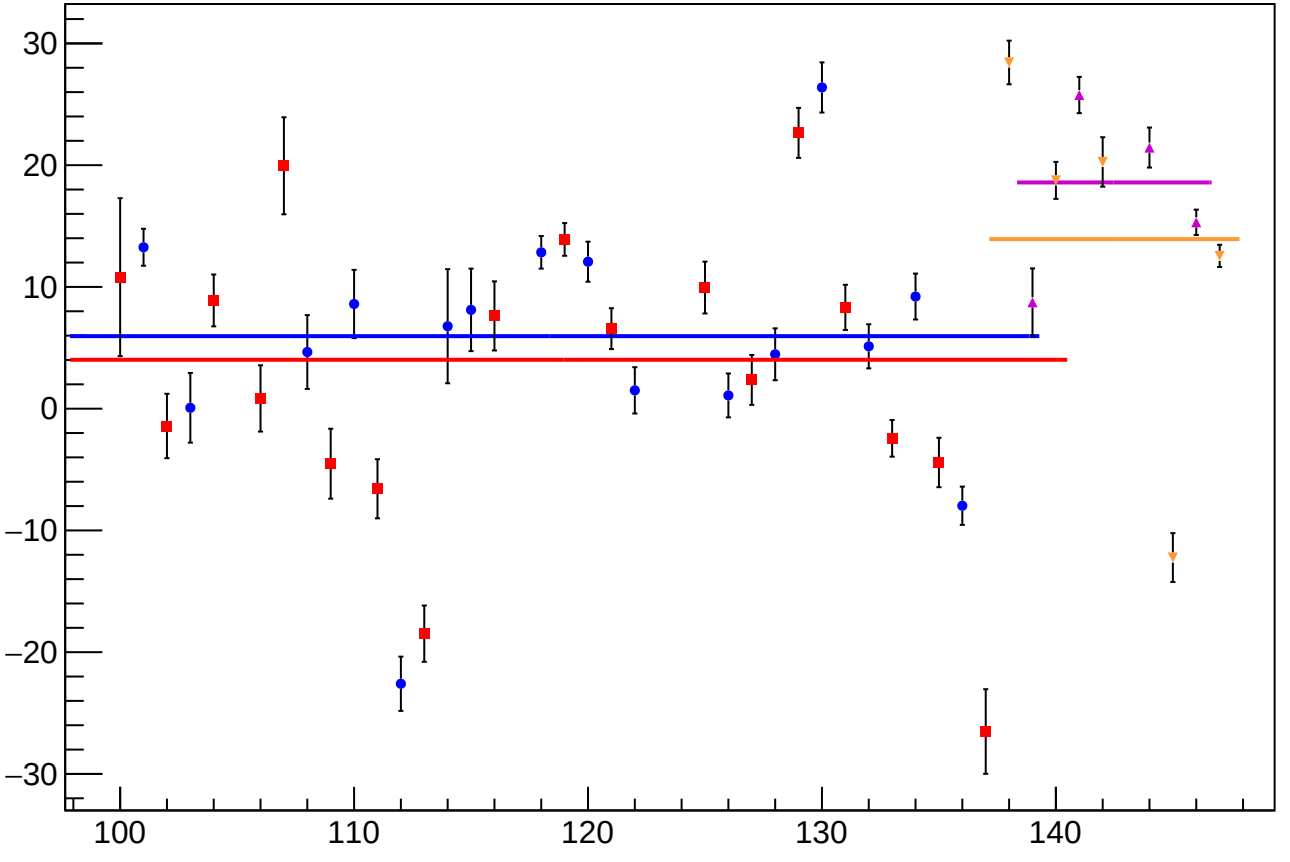
Left In: 89.653+/-0.832 χ^2/NDF:202.5/3

+ sign 87.040+/-0.400 χ^2/NDF: 4216.4/20

All: 89.340+/-0.289 χ^2/NDF: 7708.6/42

- sign 91.854+/-0.418 χ^2/NDF: 3422.9/21

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.926+/-0.641 χ^2/NDF:257.7/4

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

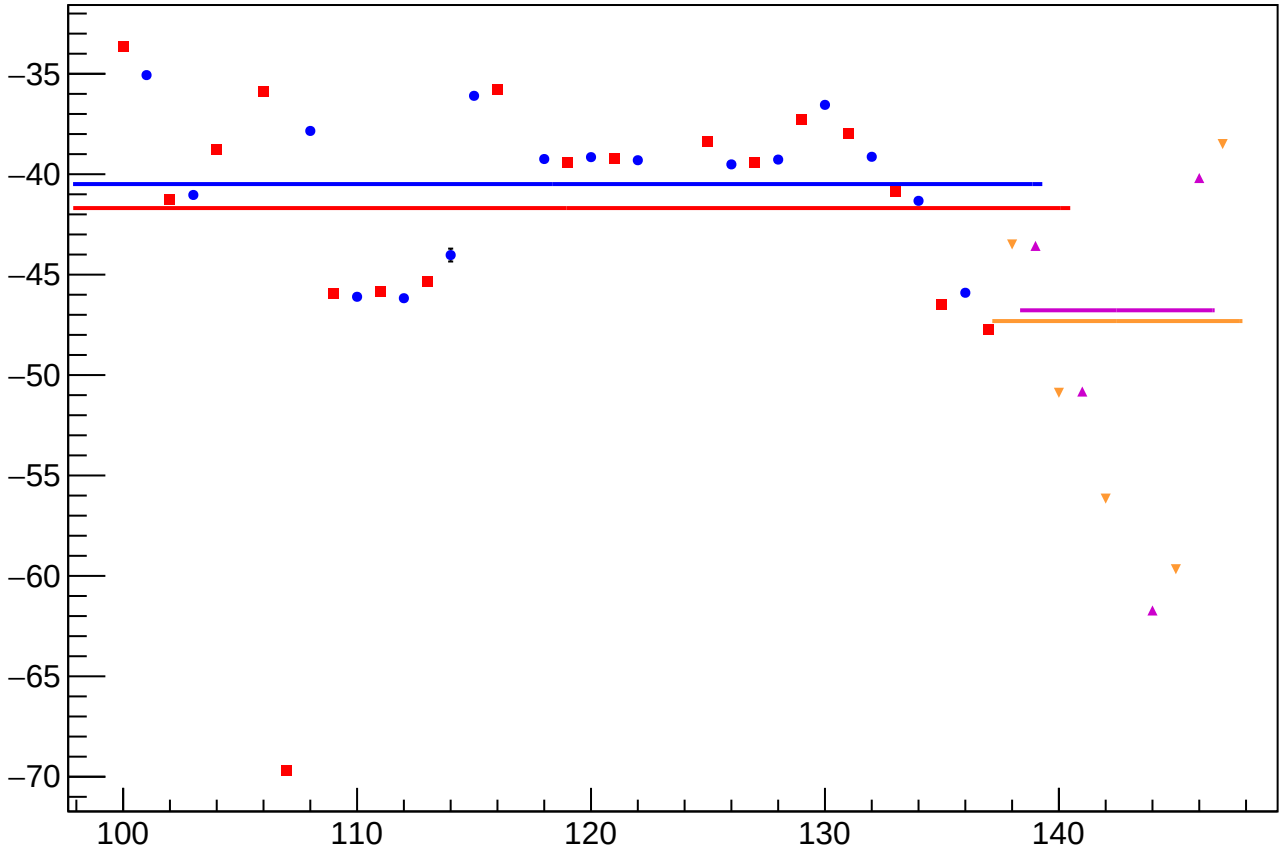
Left In: 18.581+/-0.730 χ^2/NDF:48.7/3

+ sign 8.935+/-0.392 χ^2/NDF: 781.4/20

All: 8.865+/-0.286 χ^2/NDF: 1515.3/42

- sign 8.785+/-0.418 χ^2/NDF: 733.8/21

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -47.312+/-0.032 χ^2/NDF:57219.5/4

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

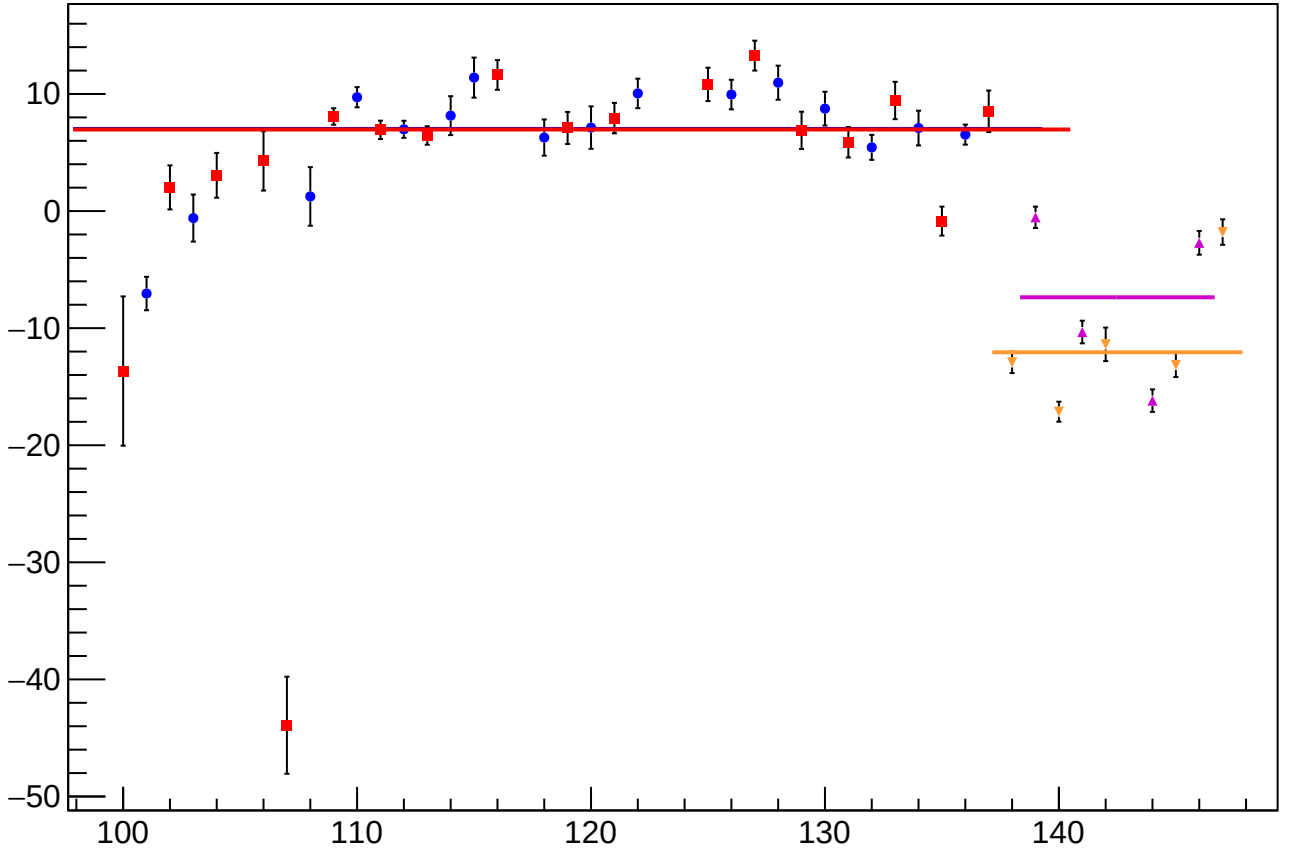
Left In: -46.776+/-0.034 χ^2/NDF:46894.5/3

+ sign -43.443+/-0.021 χ^2/NDF: 100461.6/20

All: -43.648+/-0.015 χ^2/NDF: 197366.5/42

- sign -43.868+/-0.022 χ^2/NDF: 96713.5/21

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.062+/-0.454 χ^2/NDF:126.5/4

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

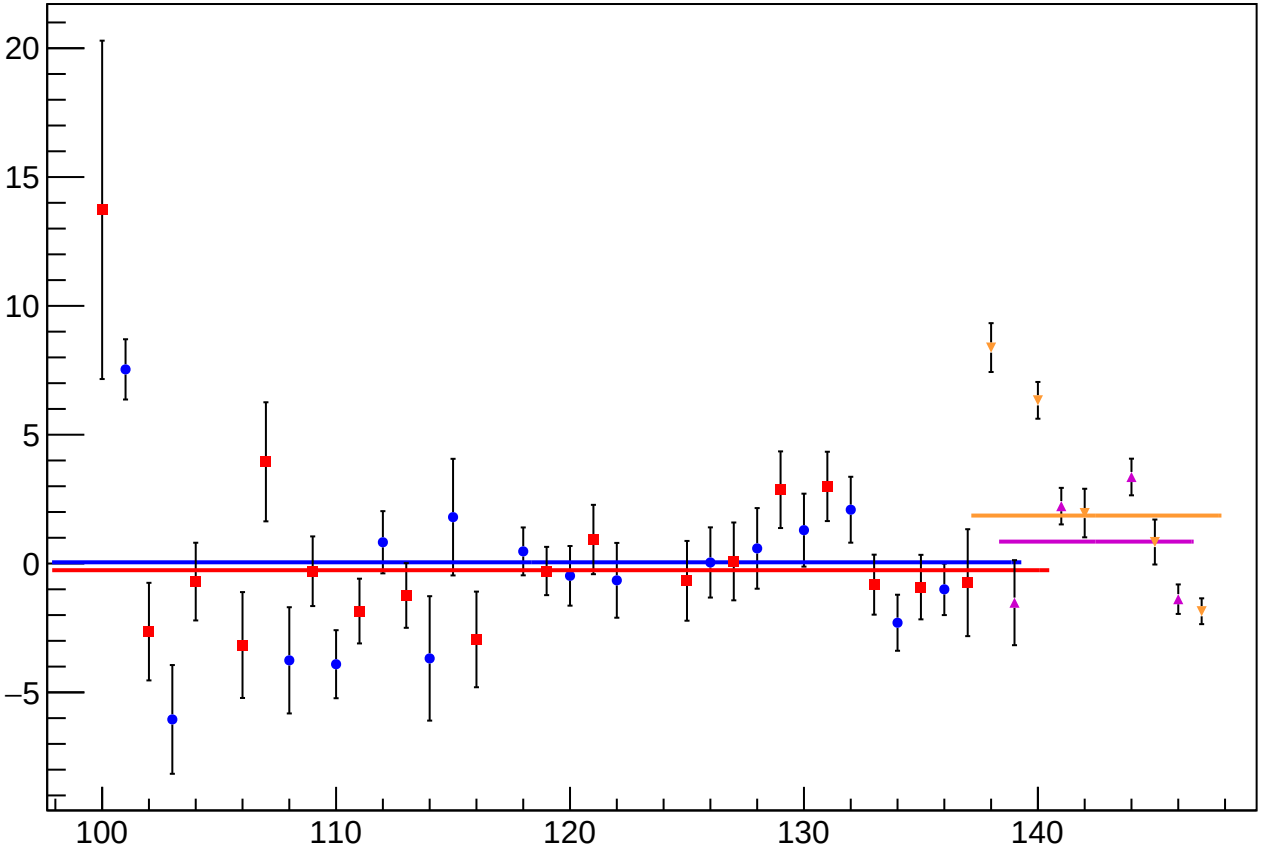
Left In: -7.365+/-0.481 χ^2/NDF:170.6/3

+ sign 0.975+/-0.256 χ^2/NDF: 1486.5/20

All: 1.990+/-0.180 χ^2/NDF: 2595.7/42

- sign 2.988+/-0.253 χ^2/NDF: 1078.0/21

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.862+/-0.324 χ^2/NDF:142.9/4

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

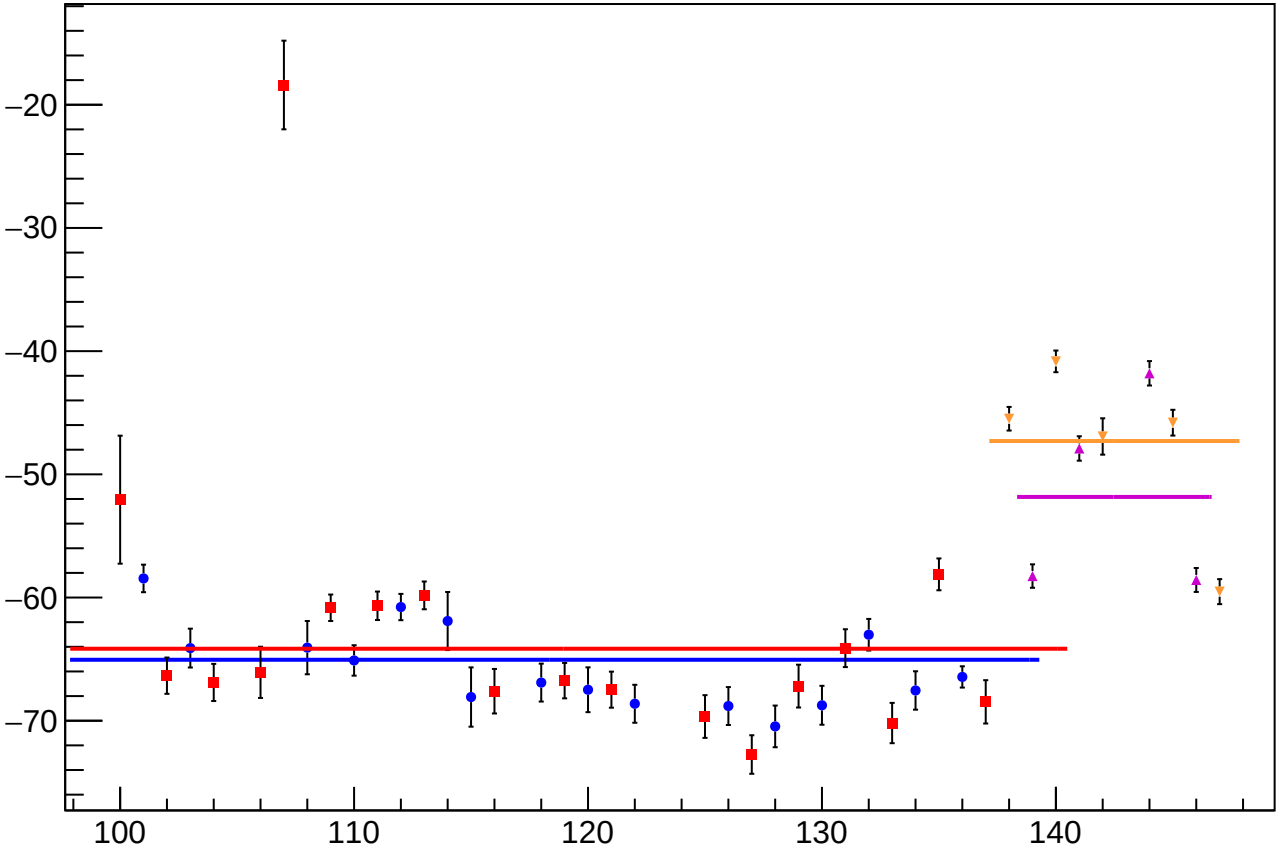
Left In: 0.851+/-0.368 χ^2/NDF:33.5/3

+ sign 0.975+/-0.232 χ^2/NDF: 233.2/20

All: 0.646+/-0.170 χ^2/NDF: 303.4/42

- sign 0.260+/-0.251 χ^2/NDF: 65.9/21

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -47.295+/-0.460 χ^2/NDF:204.8/4

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

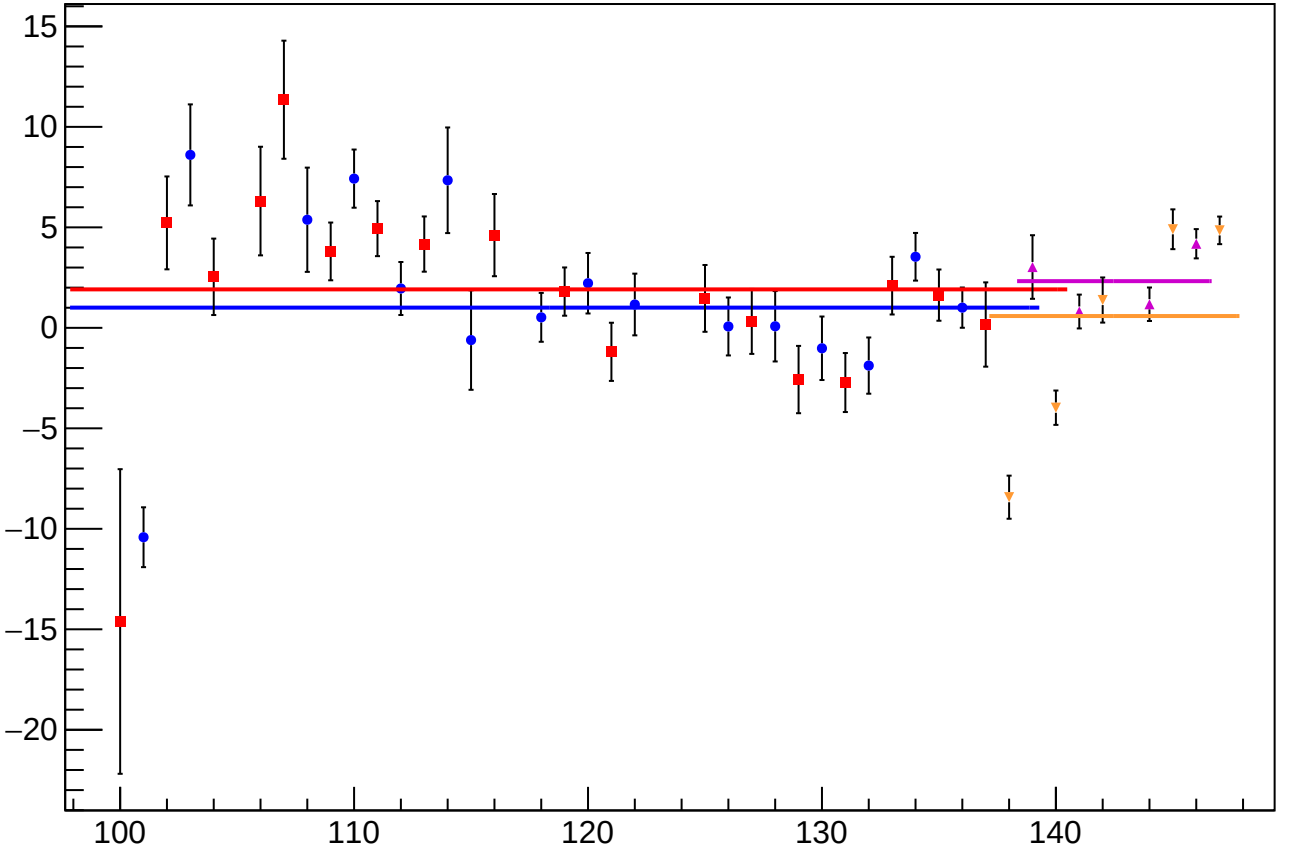
Left In: -51.833+/-0.488 χ^2/NDF:212.1/3

+ sign -58.446+/-0.281 χ^2/NDF: 1233.6/20

All: -59.103+/-0.202 χ^2/NDF: 2173.2/42

- sign -59.806+/-0.290 χ^2/NDF: 928.3/21

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.587+/-0.402 χ^2/NDF:157.2/4

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

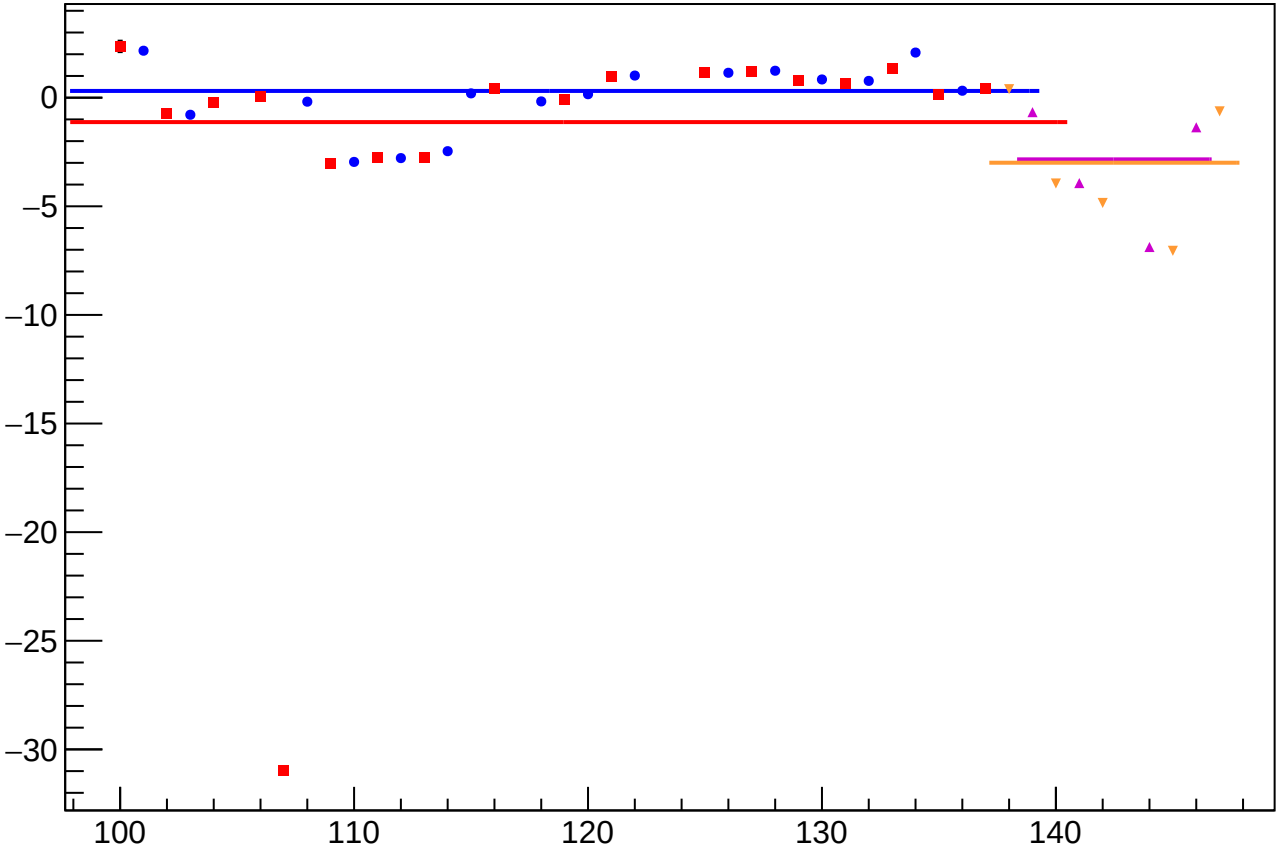
Left In: 2.323+/-0.441 χ^2/NDF:11.9/3

+ sign 0.811+/-0.275 χ^2/NDF: 267.0/20

All: 1.413+/-0.200 χ^2/NDF: 344.1/42

- sign 2.093+/-0.292 χ^2/NDF: 66.8/21

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.994+/-0.019 χ^2/NDF:21924.5/4

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

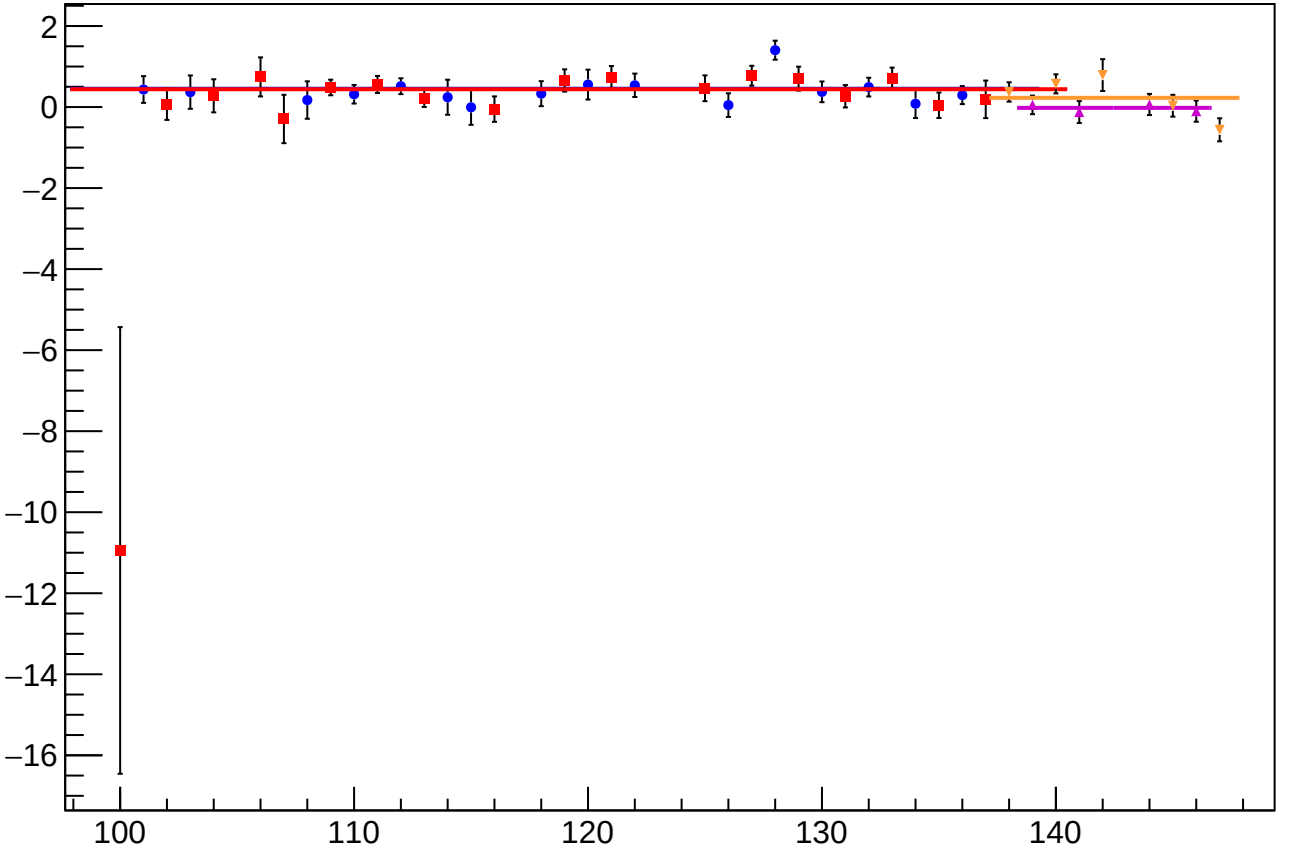
Left In: -2.839+/-0.020 χ^2/NDF:14345.8/3

\+ sign -1.493+/-0.014 χ^2/NDF: 40204.9/20

All: -1.776+/-0.010 χ^2/NDF: 105049.1/42

\- sign -2.081+/-0.015 χ^2/NDF: 64021.5/21

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.227+/-0.121 χ^2/NDF:12.8/4

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

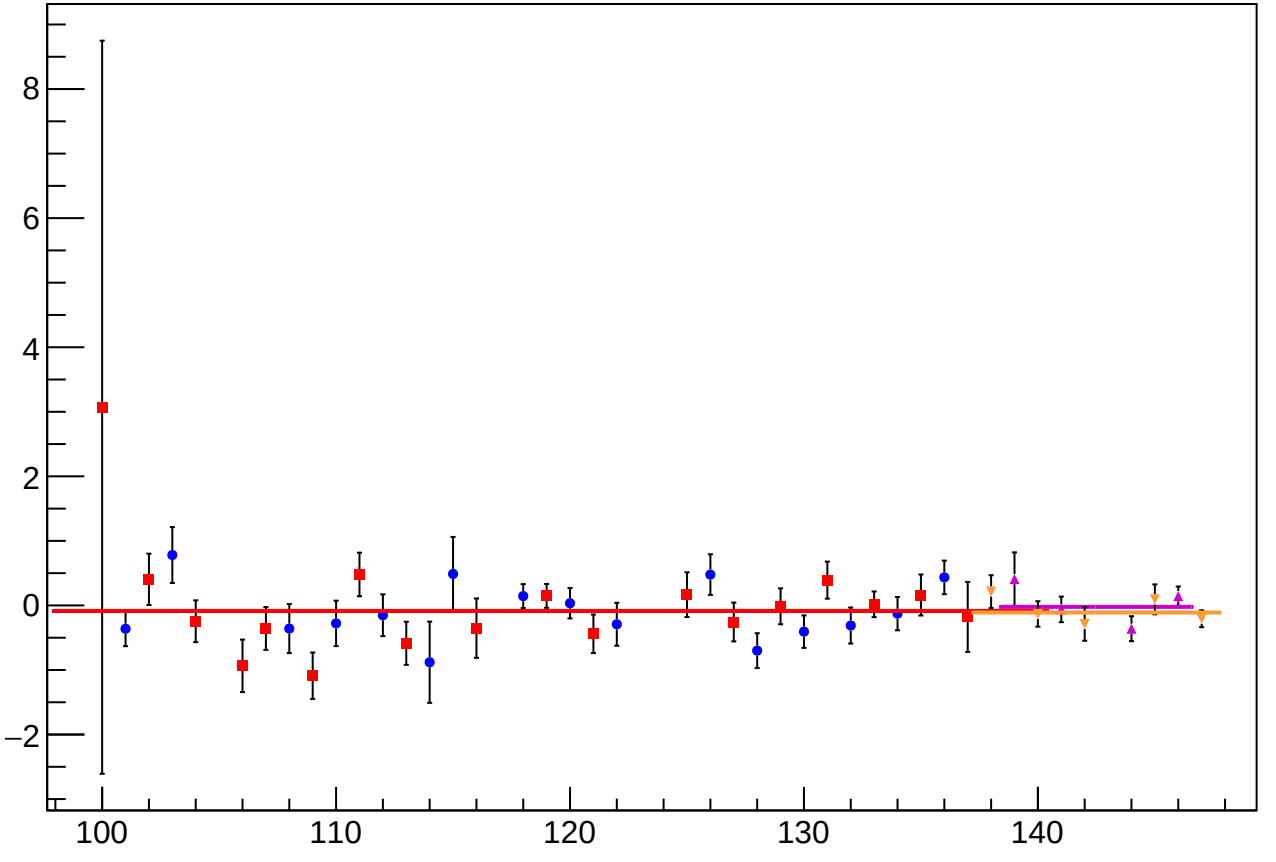
Left In: -0.020+/-0.127 χ^2/NDF:0.4/3

+ sign 0.394+/-0.061 χ^2/NDF: 38.0/20

All: 0.364+/-0.043 χ^2/NDF: 67.6/42

- sign 0.333+/-0.061 χ^2/NDF: 29.1/21

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.110+/-0.087 χ^2/NDF:3.4/4

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

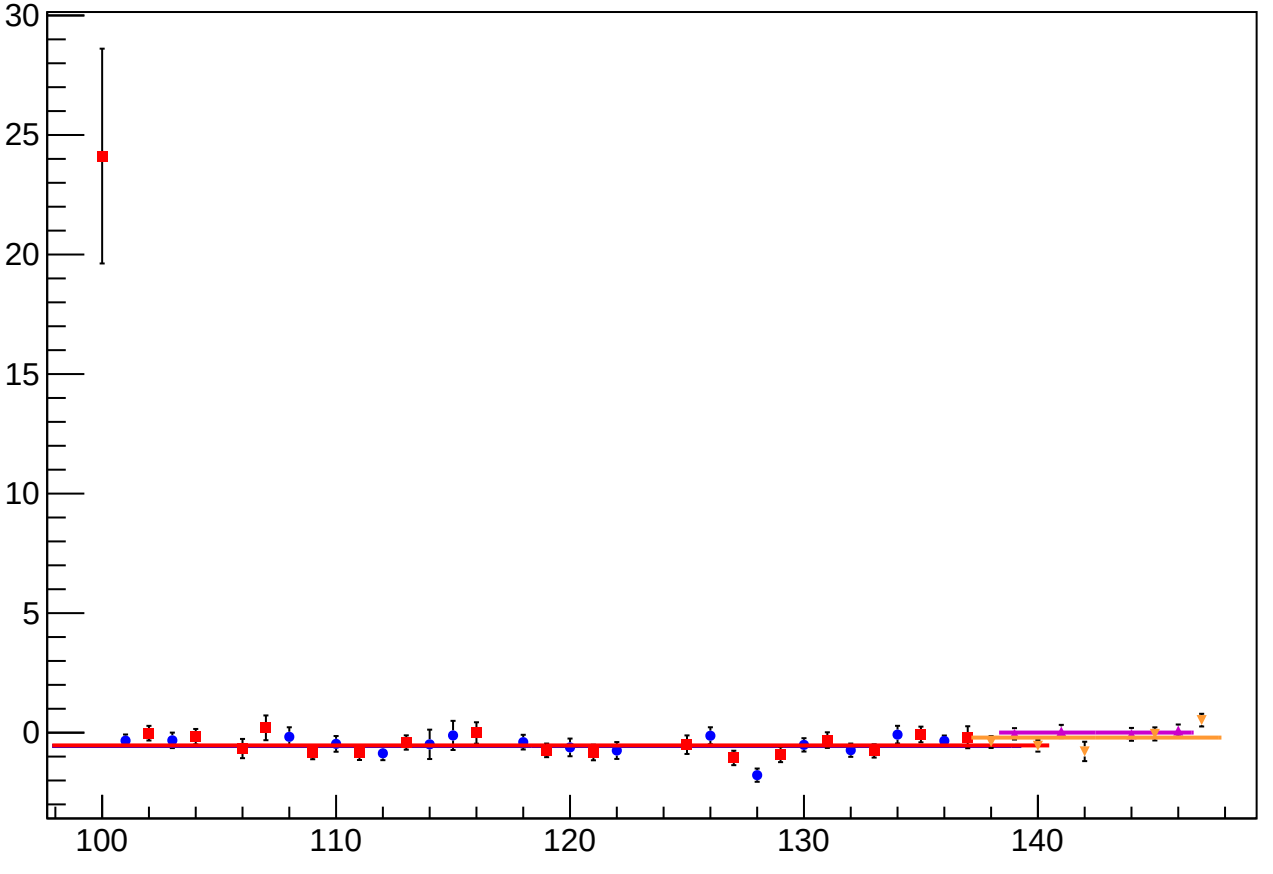
Left In: -0.022+/-0.098 χ^2/NDF:5.4/3

+ sign -0.096+/-0.056 χ^2/NDF: 28.8/20

All: -0.080+/-0.041 χ^2/NDF: 62.6/42

- sign -0.063+/-0.059 χ^2/NDF: 33.6/21

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.206+/-0.122 χ^2/NDF:12.5/4

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

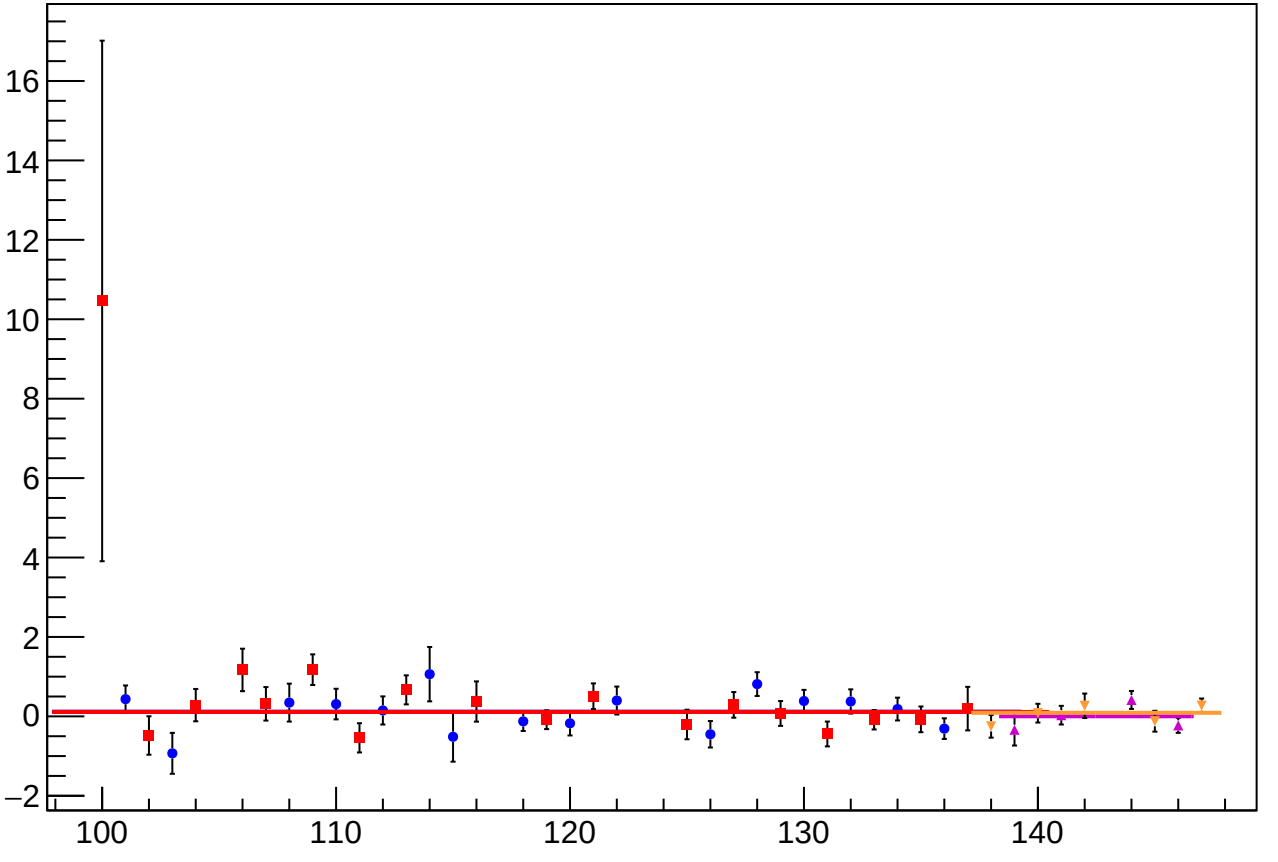
Left In: 0.004+/-0.129 χ^2/NDF:0.3/3

+ sign -0.453+/-0.067 χ^2/NDF: 46.7/20

All: -0.419+/-0.048 χ^2/NDF: 109.2/42

- sign -0.382+/-0.068 χ^2/NDF: 62.0/21

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.090+/-0.108 χ^2/NDF:3.4/4

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

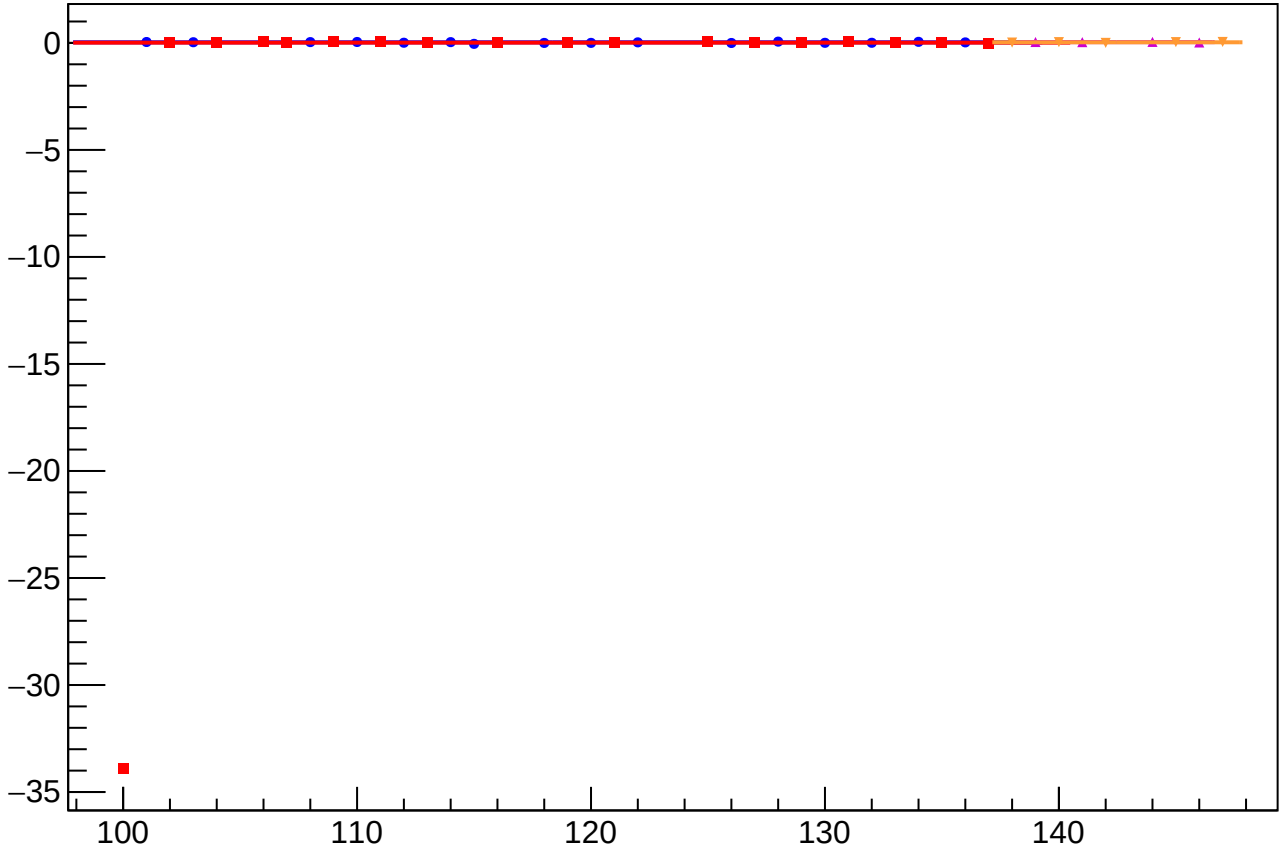
Left In: 0.002+/-0.118 χ^2/NDF:5.5/3

+ sign 0.107+/-0.066 χ^2/NDF: 27.1/20

All: 0.091+/-0.048 χ^2/NDF: 62.3/42

- sign 0.074+/-0.069 χ^2/NDF: 35.1/21

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+/-0.005 χ^2/NDF:7.3/4

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

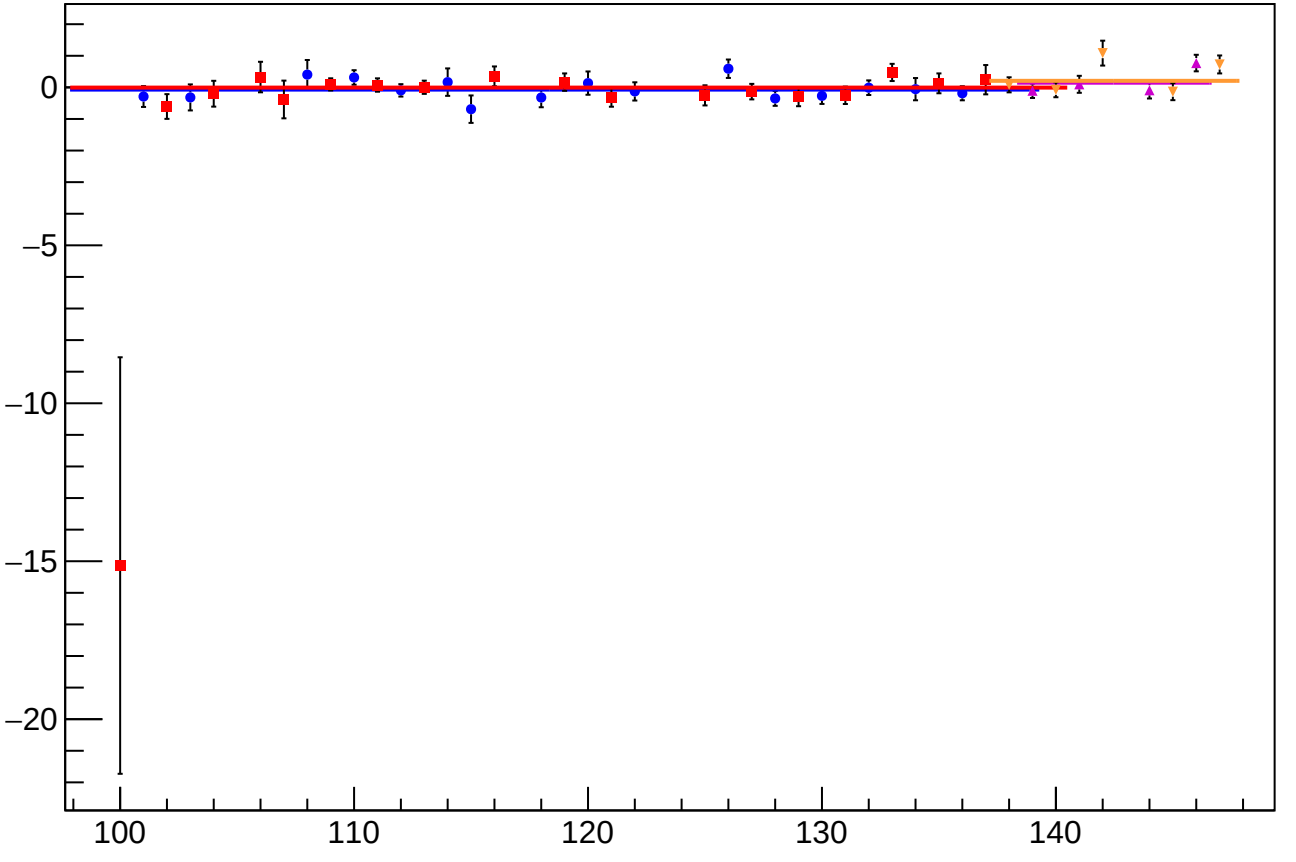
Left In: 0.037+/-0.005 χ^2/NDF:3.5/3

+ sign 0.028+/-0.004 χ^2/NDF: 22.0/20

All: 0.026+/-0.003 χ^2/NDF: 22300.8/42

- sign 0.024+/-0.004 χ^2/NDF: 22278.1/21

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.207+/-0.121 χ^2/NDF:11.6/4

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

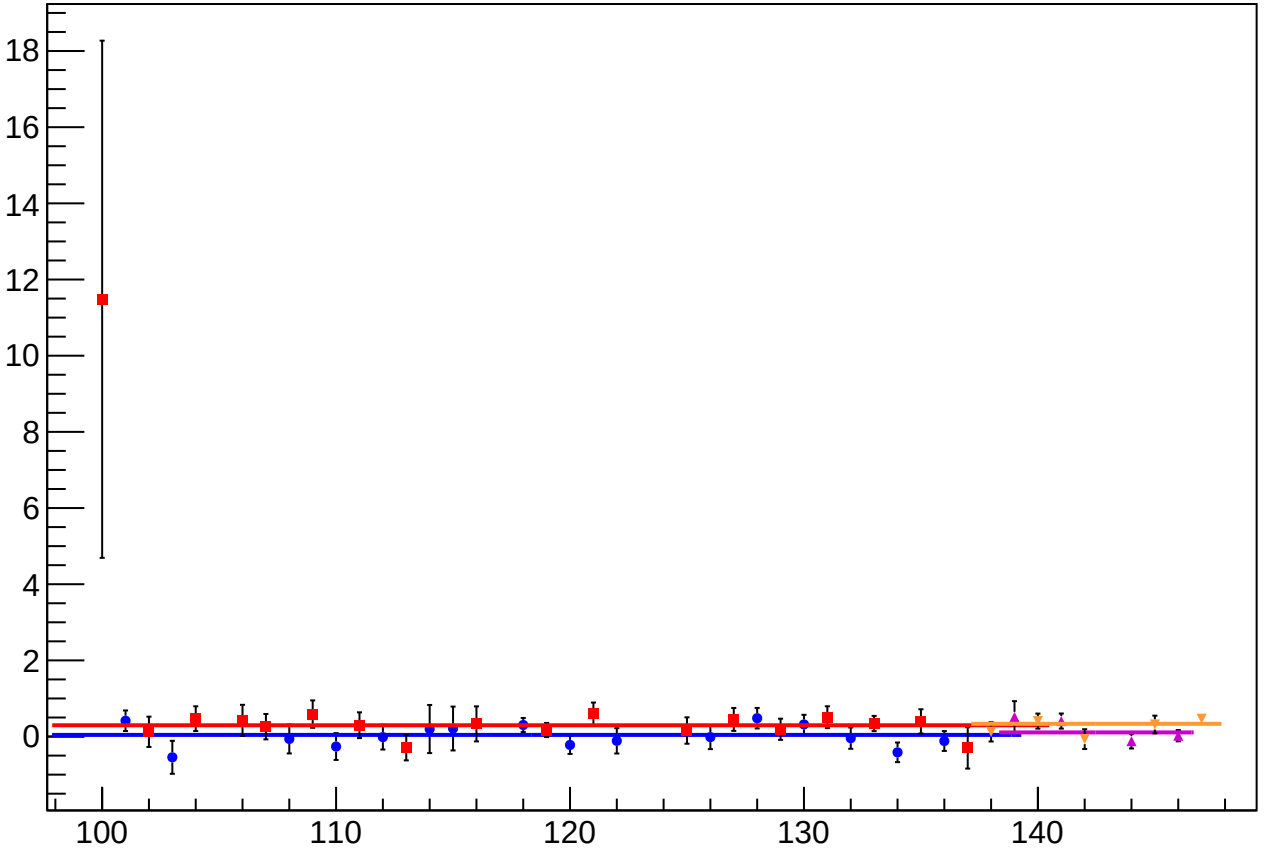
Left In: 0.148+/-0.127 χ^2/NDF:7.8/3

+ sign 0.001+/-0.061 χ^2/NDF: 31.0/20

All: 0.015+/-0.043 χ^2/NDF: 58.2/42

- sign 0.029+/-0.061 χ^2/NDF: 27.1/21

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.335+/-0.087 χ^2/NDF:4.3/4

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

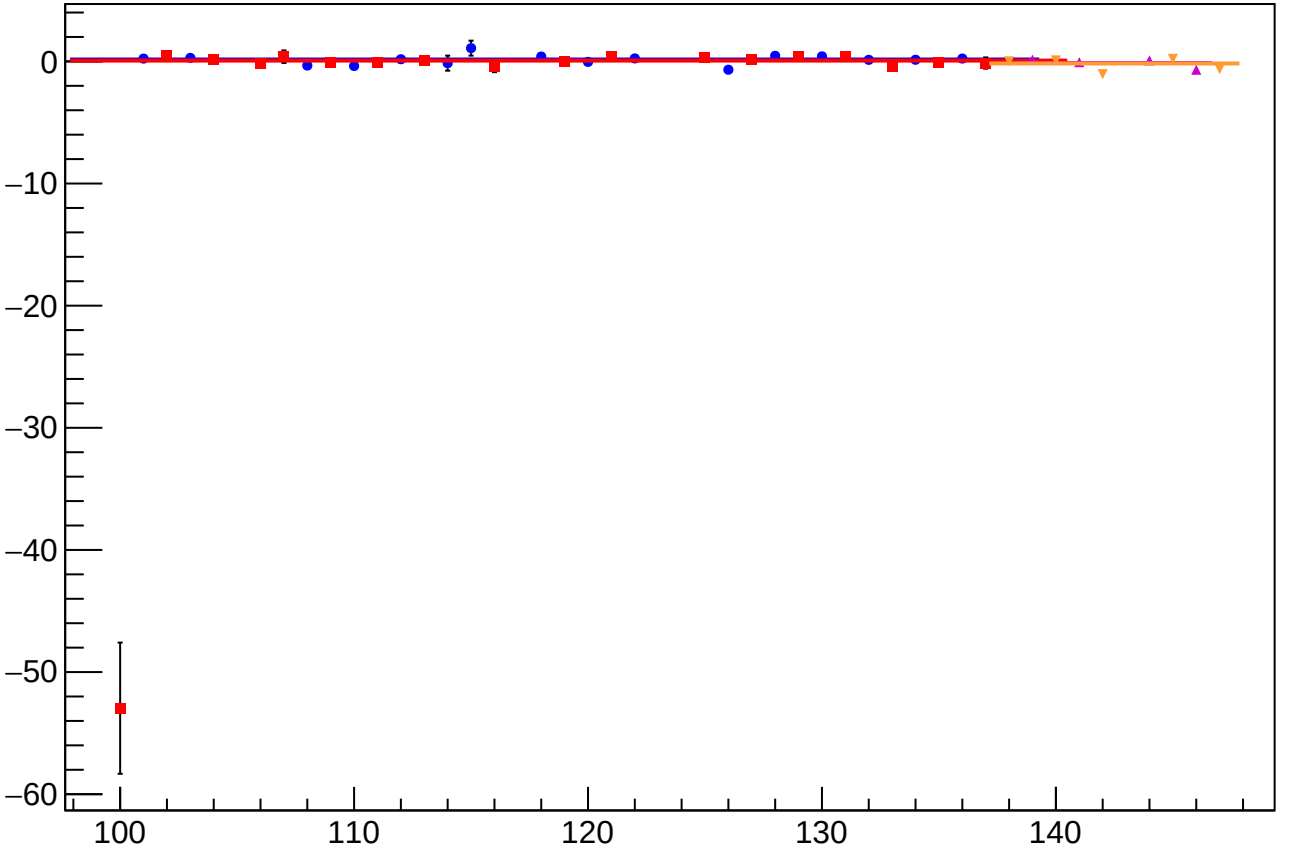
Left In: 0.109+/-0.098 χ^2/NDF:5.0/3

+ sign 0.164+/-0.056 χ^2/NDF: 26.6/20

All: 0.195+/-0.041 χ^2/NDF: 45.5/42

- sign 0.229+/-0.059 χ^2/NDF: 18.3/21

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.170+/-0.122 χ^2/NDF:11.2/4

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

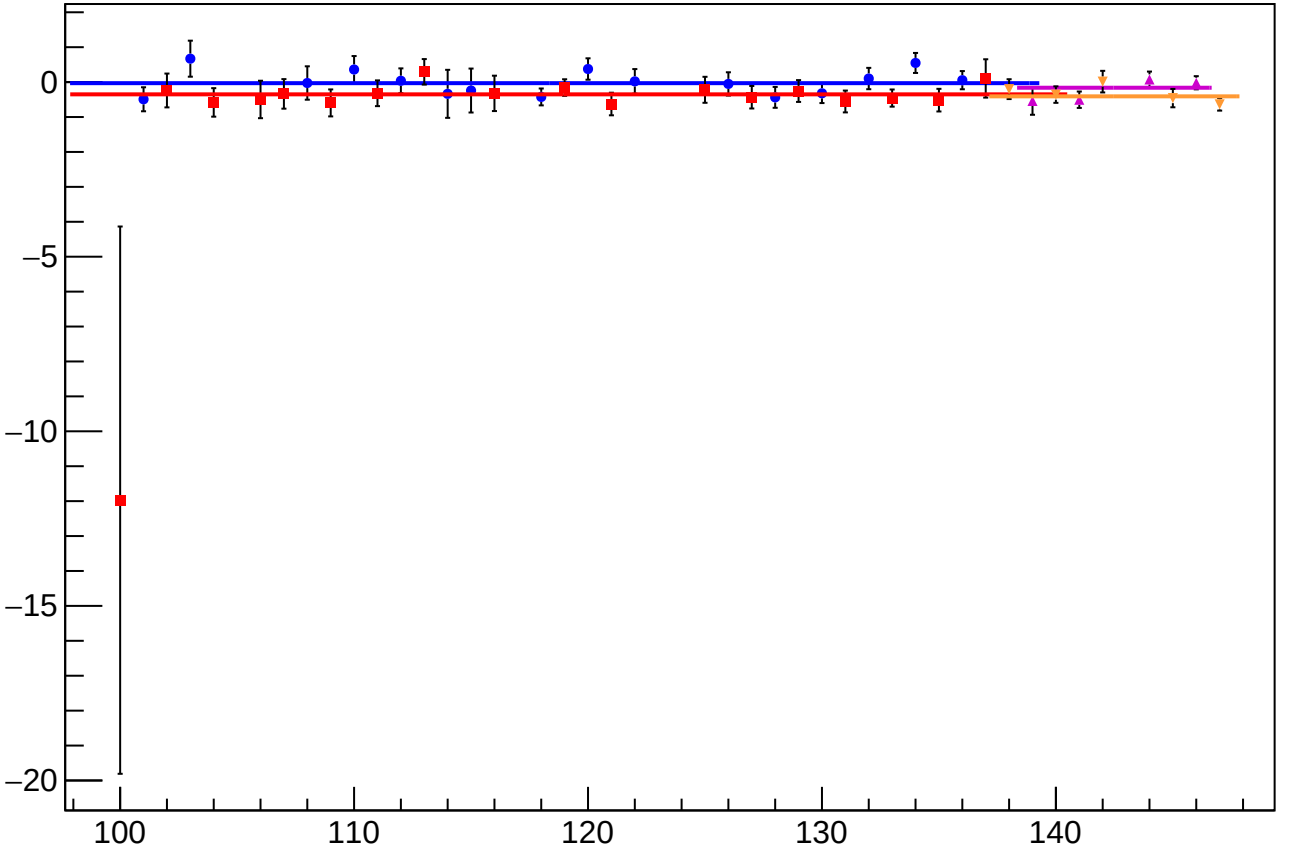
Left In: -0.132+/-0.129 χ^2/NDF:6.8/3

+ sign 0.057+/-0.067 χ^2/NDF: 31.7/20

All: 0.034+/-0.048 χ^2/NDF: 149.7/42

- sign 0.010+/-0.068 χ^2/NDF: 117.8/21

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.408+/-0.108 χ^2/NDF:4.1/4

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

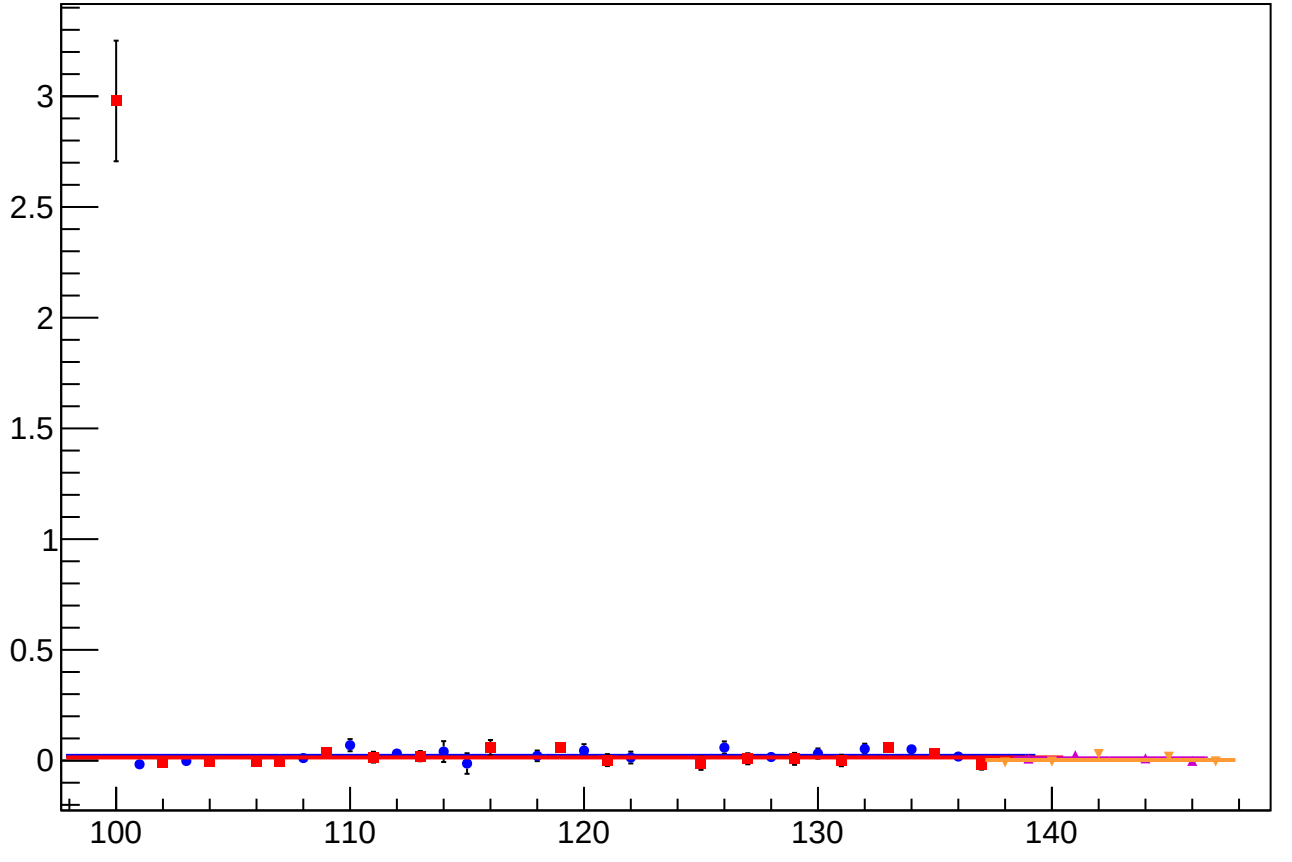
Left In: -0.161+/-0.118 χ^2/NDF:4.7/3

+ sign -0.173+/-0.066 χ^2/NDF: 28.5/20

All: -0.227+/-0.048 χ^2/NDF: 45.8/42

- sign -0.286+/-0.069 χ^2/NDF: 15.8/21

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.003+/-0.005 χ^2/NDF:6.5/4

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

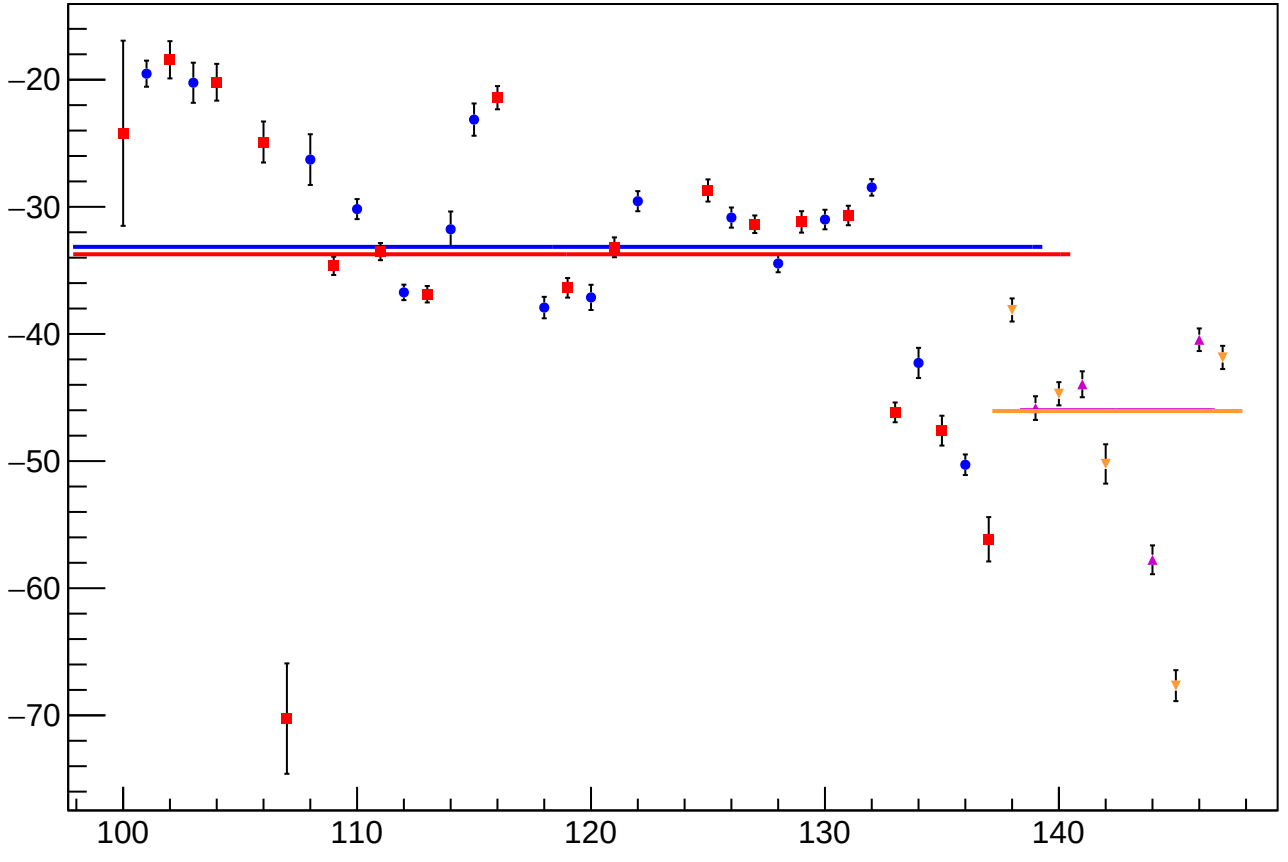
Left In: 0.010+/-0.005 χ^2/NDF:2.7/3

+ sign 0.012+/-0.004 χ^2/NDF: 36.0/20

All: 0.012+/-0.003 χ^2/NDF: 180.0/42

- sign 0.012+/-0.004 χ^2/NDF: 144.0/21

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -46.062+/-0.461 χ^2/NDF:422.0/4

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

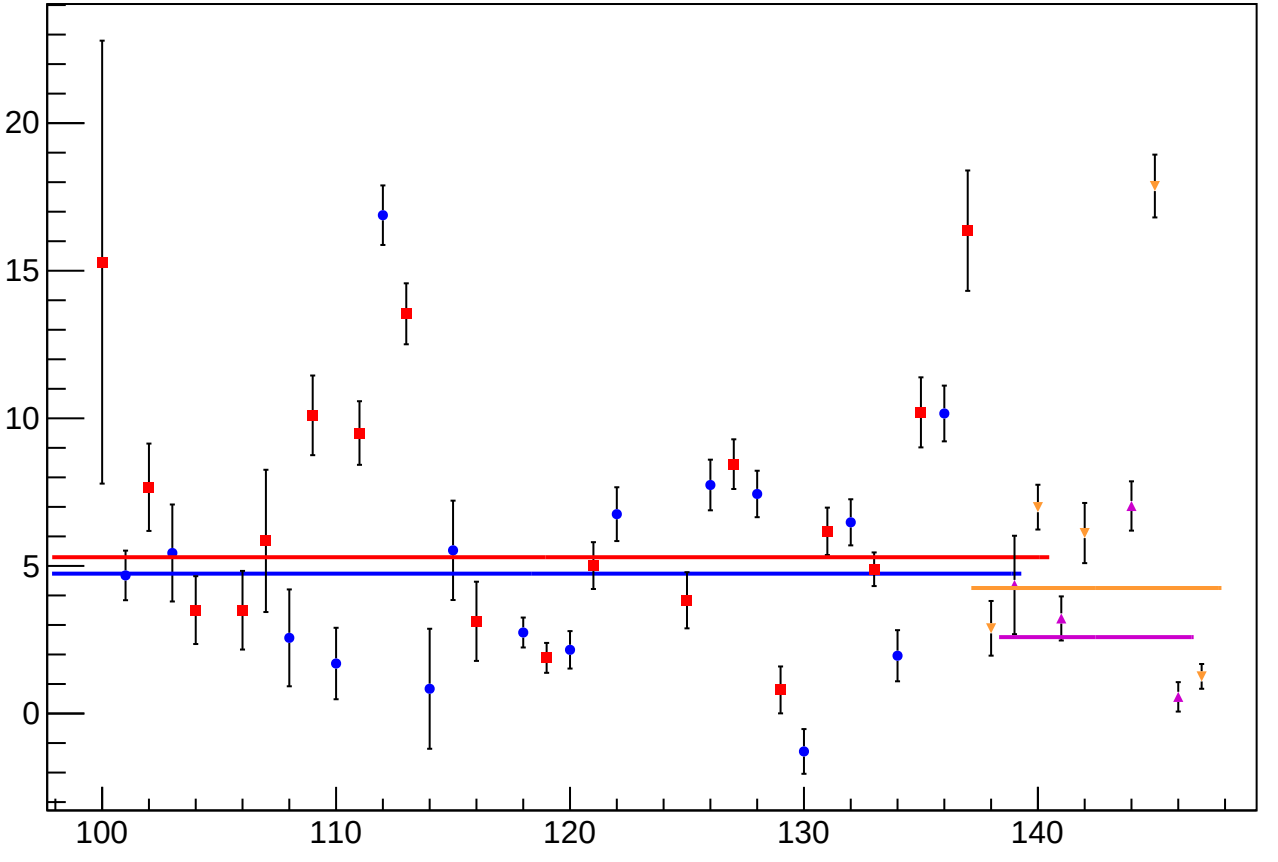
Left In: -45.996+/-0.491 χ^2/NDF:150.6/3

+ sign -35.508+/-0.197 χ^2/NDF: 2077.4/20

All: -35.606+/-0.139 χ^2/NDF: 3901.4/42

- sign -35.705+/-0.197 χ^2/NDF: 1823.5/21

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 4.252+/-0.310 χ^2/NDF:233.2/4

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

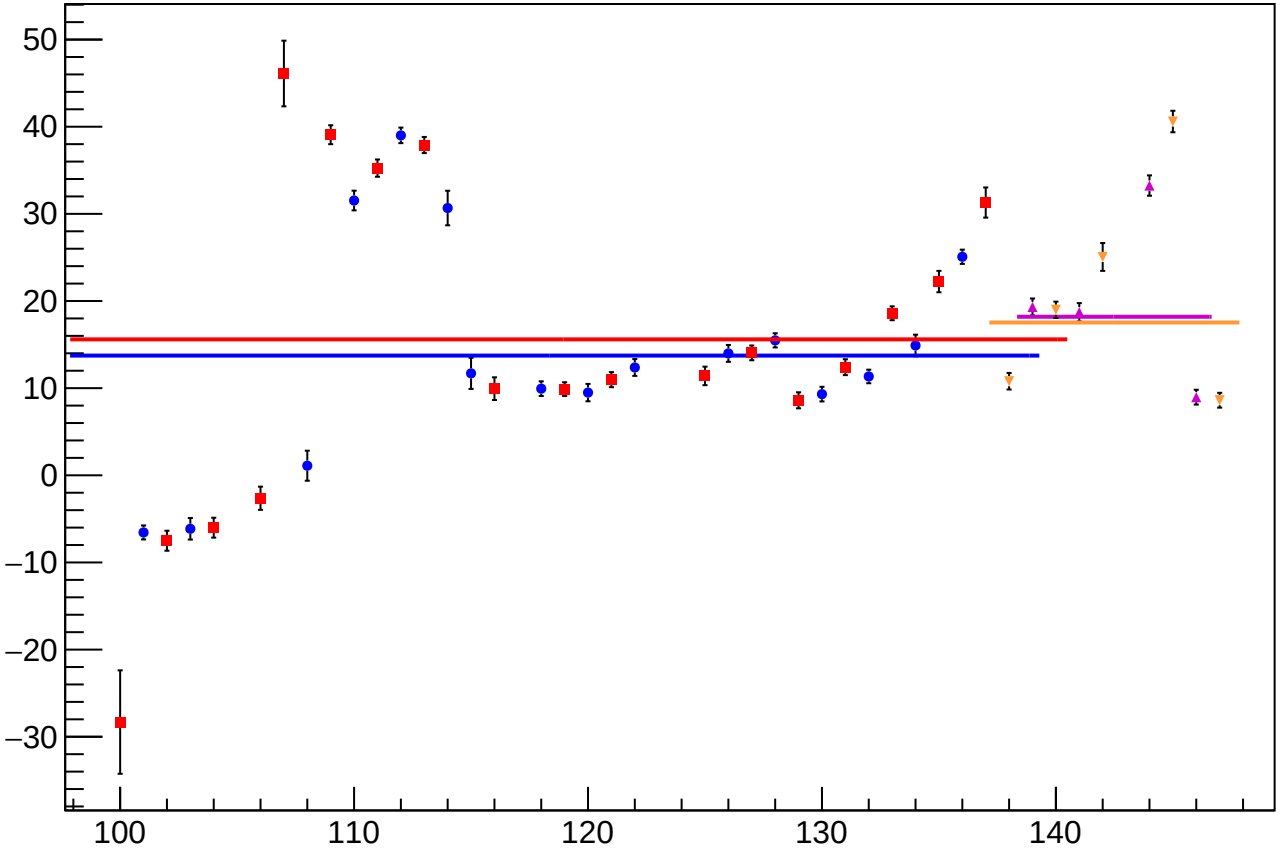
Left In: 2.589+/-0.362 χ^2/NDF:46.6/3

\+ sign 4.576+/-0.179 χ^2/NDF: 564.4/20

All: 4.564+/-0.130 χ^2/NDF: 896.5/42

\- sign 4.550+/-0.190 χ^2/NDF: 332.1/21

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 17.534+/-0.462 χ^2/NDF:535.1/4

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

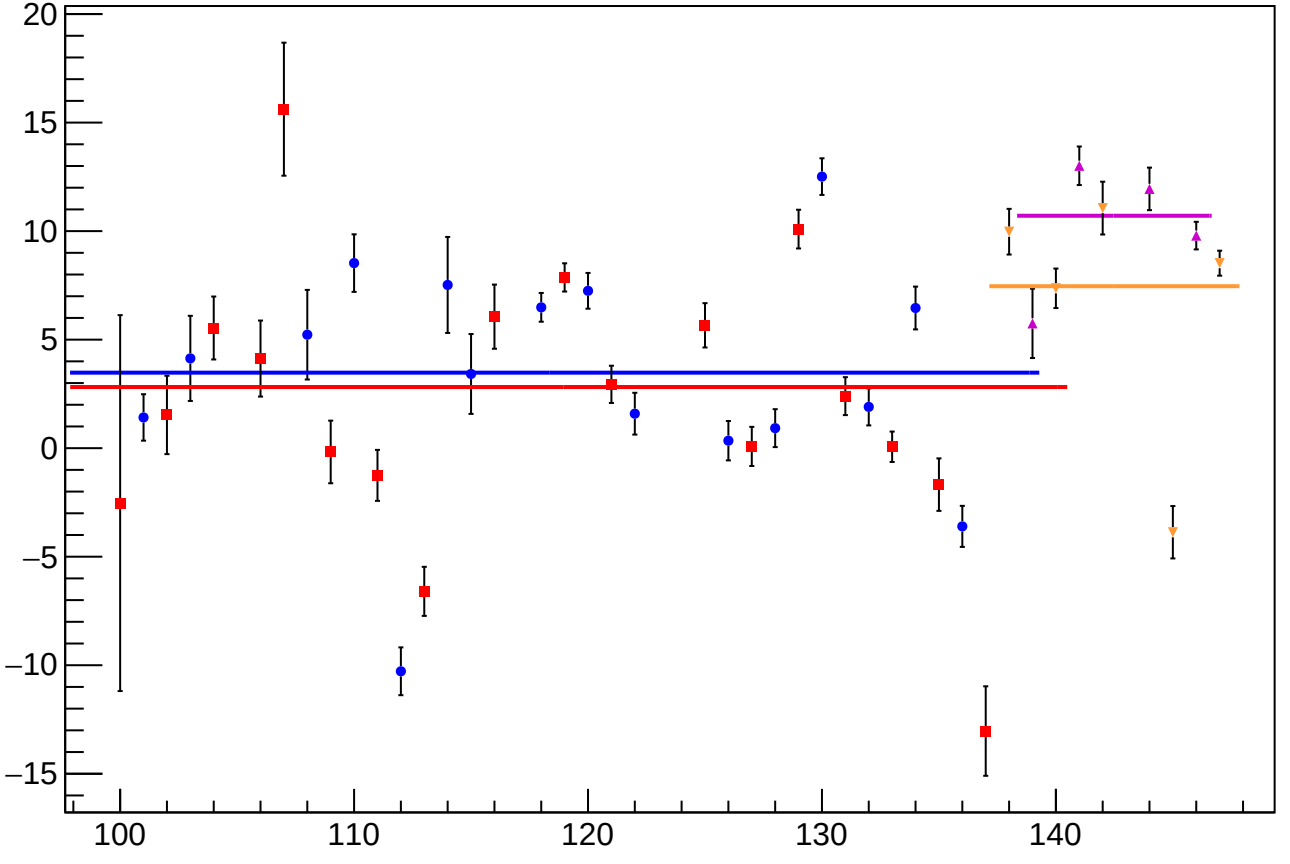
Left In: 18.193+/-0.495 χ^2/NDF:285.4/3

+ sign 14.580+/-0.218 χ^2/NDF: 2937.5/20

All: 15.334+/-0.156 χ^2/NDF: 6095.7/42

- sign 16.127+/-0.223 χ^2/NDF: 3133.6/21

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.461+/-0.392 χ^2/NDF:106.2/4

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

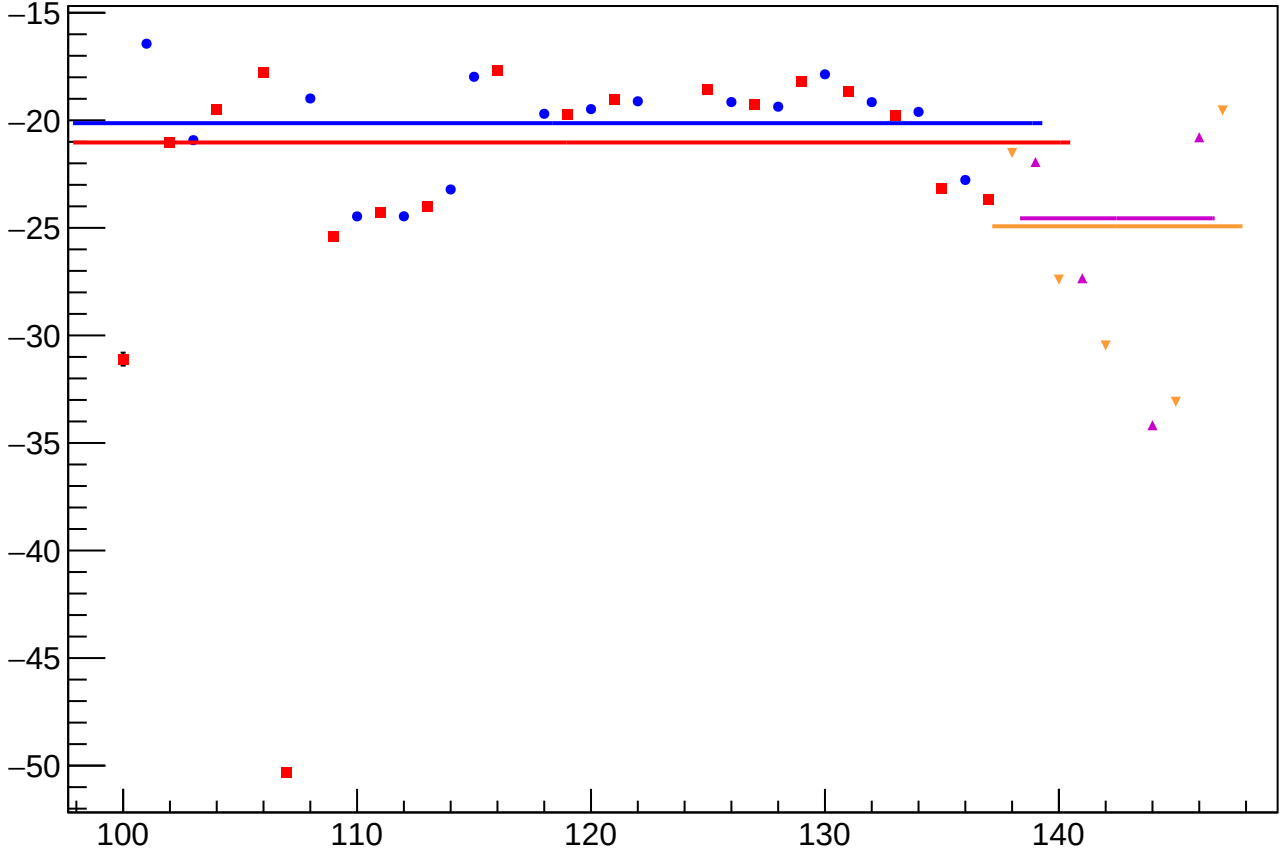
Left In: 10.708+/-0.439 χ^2/NDF:20.0/3

+ sign 4.653+/-0.213 χ^2/NDF: 606.4/20

All: 4.738+/-0.154 χ^2/NDF: 1212.3/42

- sign 4.831+/-0.222 χ^2/NDF: 605.5/21

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -24.927+/-0.019 χ^2/NDF:67281.4/4

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

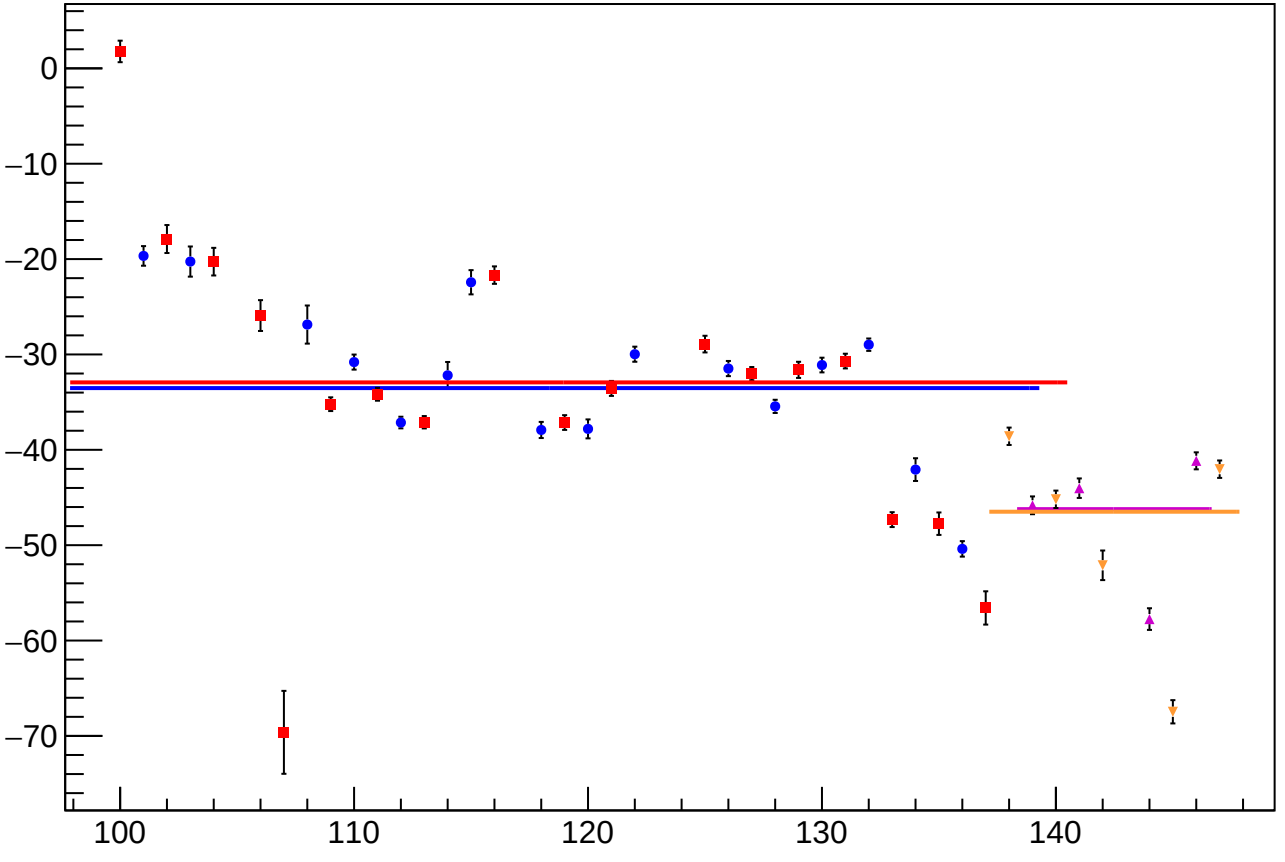
Left In: -24.556+/-0.020 χ^2/NDF:54249.7/3

+ sign -22.065+/-0.012 χ^2/NDF: 123223.7/20

All: -22.254+/-0.009 χ^2/NDF: 253986.7/42

- sign -22.452+/-0.013 χ^2/NDF: 130287.0/21

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -46.491+/-0.462 χ^2/NDF:410.0/4

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

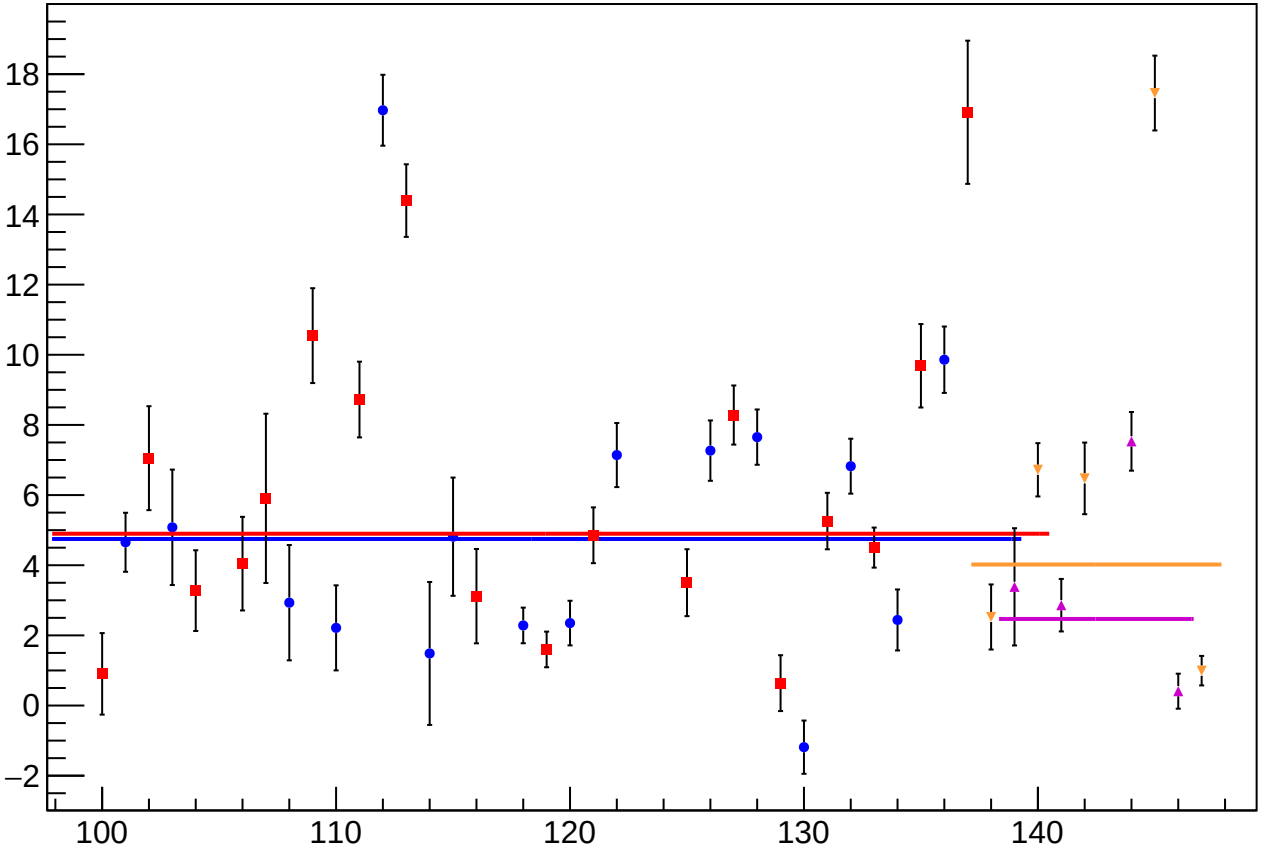
Left In: -46.220+/-0.492 χ^2/NDF:140.2/3

+ sign -35.898+/-0.197 χ^2/NDF: 2062.6/20

All: -35.447+/-0.139 χ^2/NDF: 4999.9/42

- sign -35.009+/-0.194 χ^2/NDF: 2927.0/21

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 4.021+/-0.310 χ^2/NDF:231.6/4

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

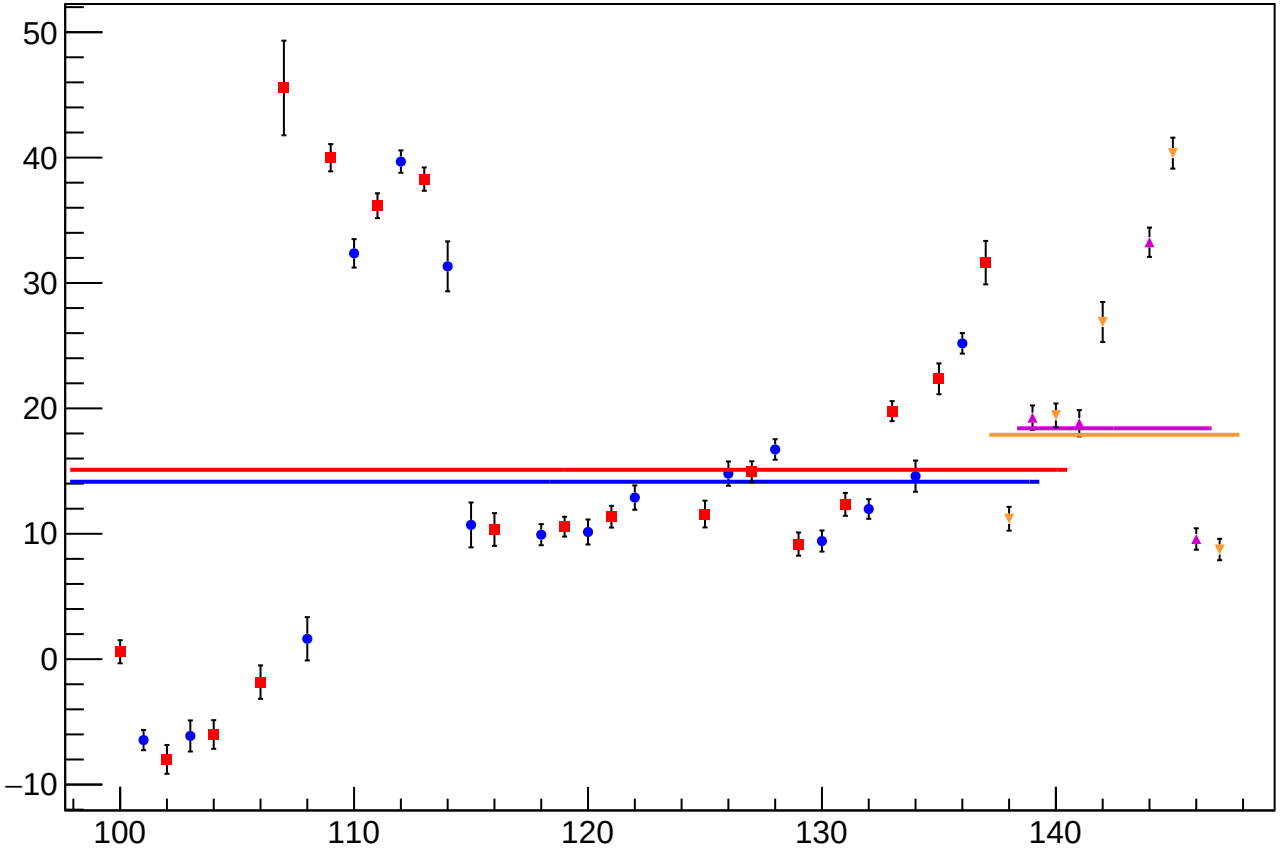
Left In: 2.469+/-0.363 χ^2/NDF:54.3/3

+ sign 4.505+/-0.179 χ^2/NDF: 561.0/20

All: 4.382+/-0.130 χ^2/NDF: 922.0/42

- sign 4.246+/-0.188 χ^2/NDF: 360.1/21

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 17.897+/-0.463 χ^2/NDF:530.0/4

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

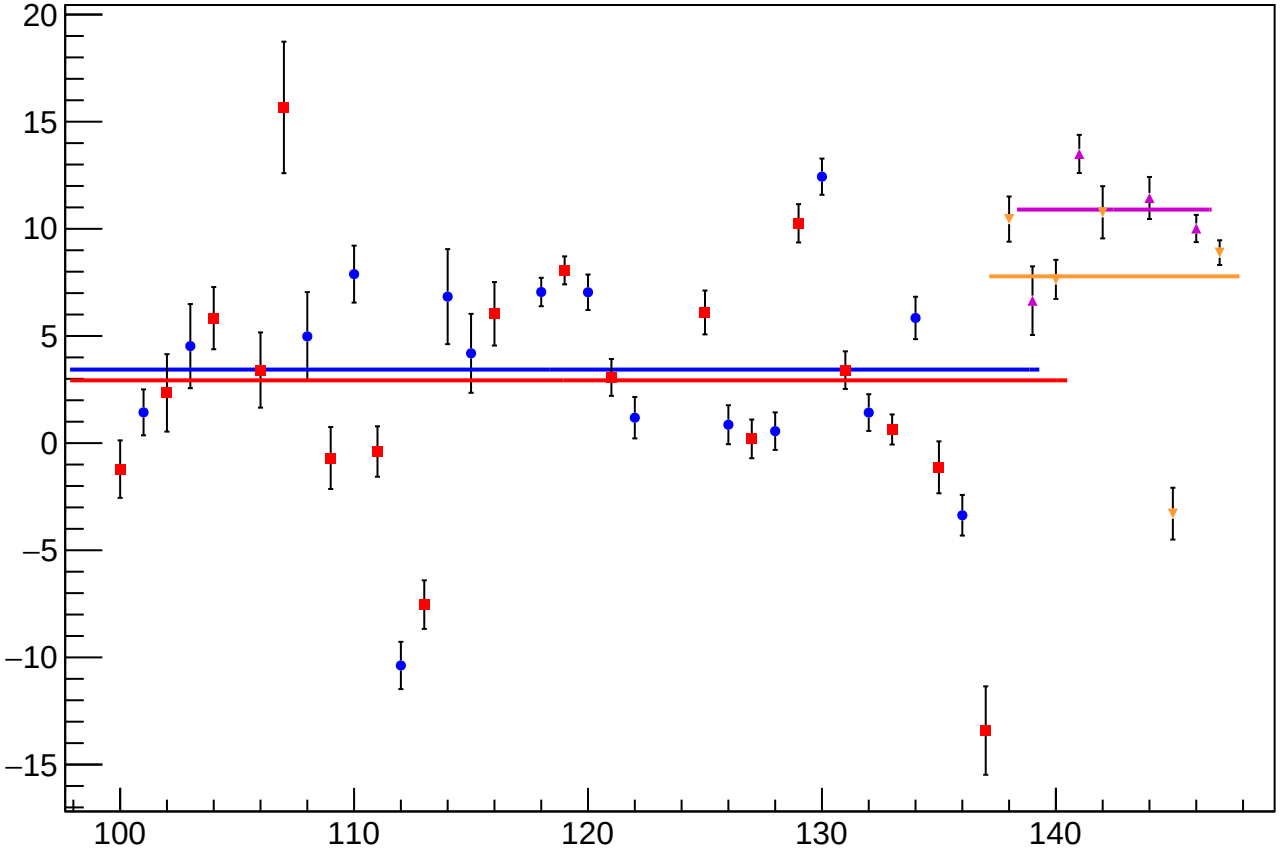
Left In: 18.409+/-0.496 χ^2/NDF:269.2/3

\+ sign 14.981+/-0.218 χ^2/NDF: 2983.3/20

All: 15.361+/-0.154 χ^2/NDF: 6396.8/42

\- sign 15.739+/-0.217 χ^2/NDF: 3407.4/21

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.782+/-0.393 χ^2/NDF:100.0/4

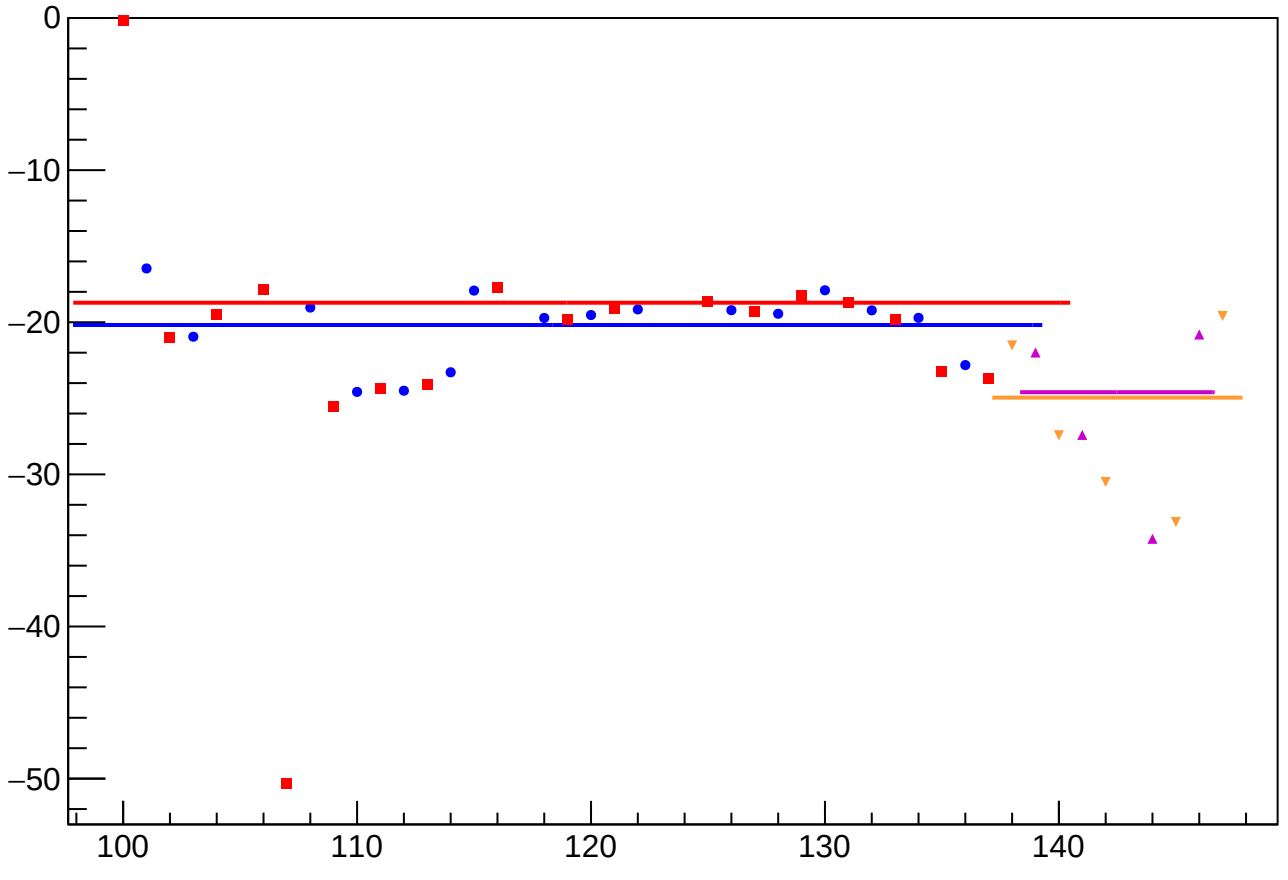
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 10.898+/-0.440 χ^2/NDF:17.8/3

+ sign 4.714+/-0.213 χ^2/NDF: 610.4/20

All: 4.810+/-0.153 χ^2/NDF: 1242.6/42

- sign 4.912+/-0.220 χ^2/NDF: 631.8/21



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -24.954+/-0.020 χ^2/NDF:67154.0/4

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

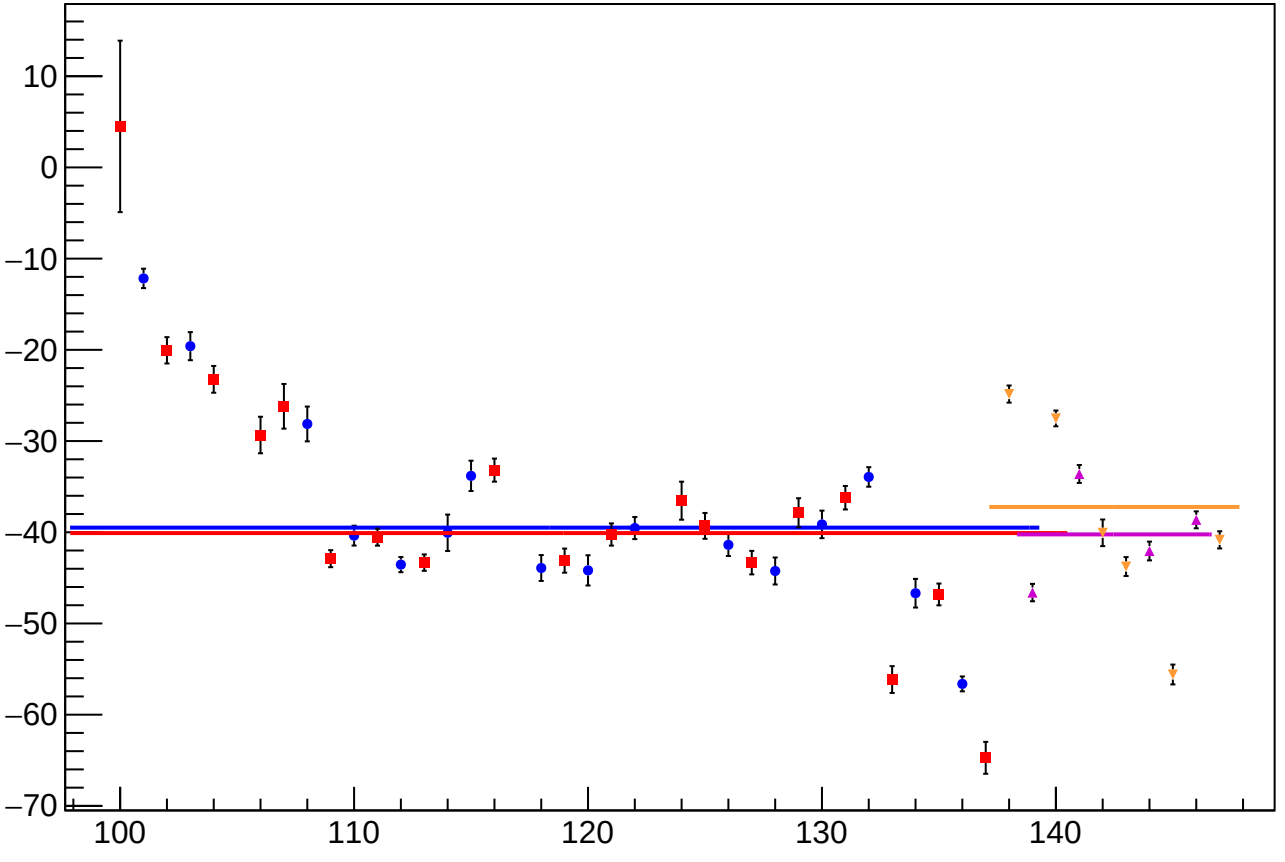
Left In: -24.599+/-0.020 χ^2/NDF:54348.4/3

+ sign -22.106+/-0.012 χ^2/NDF: 122685.3/20

All: -21.511+/-0.009 χ^2/NDF: 470006.3/42

- sign -20.927+/-0.012 χ^2/NDF: 342763.9/21

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.227+/-0.414 χ^2/NDF:642.0/5

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

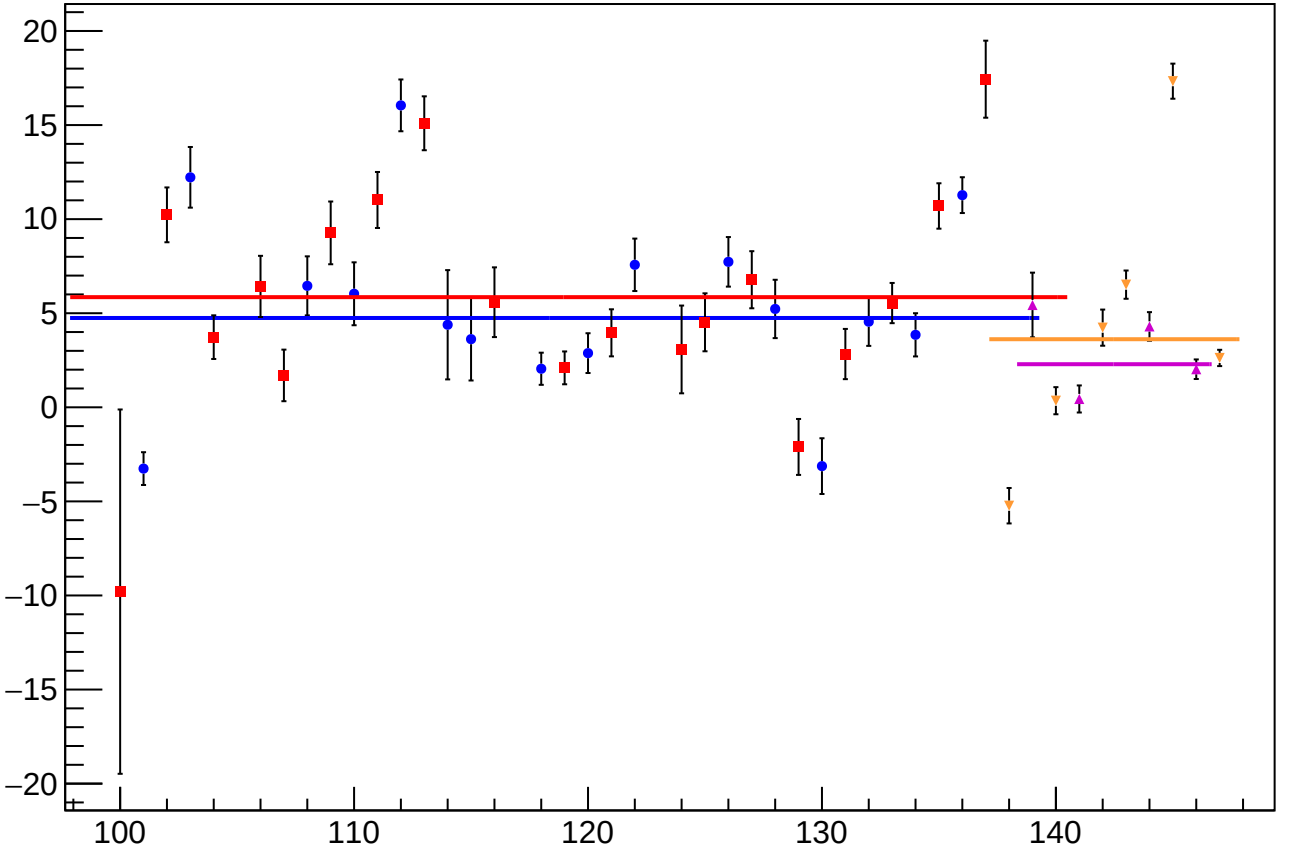
Left In: -40.235+/-0.486 χ^2/NDF:96.2/3

+ sign -38.676+/-0.248 χ^2/NDF: 2078.2/21

All: -39.372+/-0.179 χ^2/NDF: 3025.8/44

- sign -40.131+/-0.260 χ^2/NDF: 931.1/22

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.619+/-0.284 χ^2/NDF:345.8/5

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

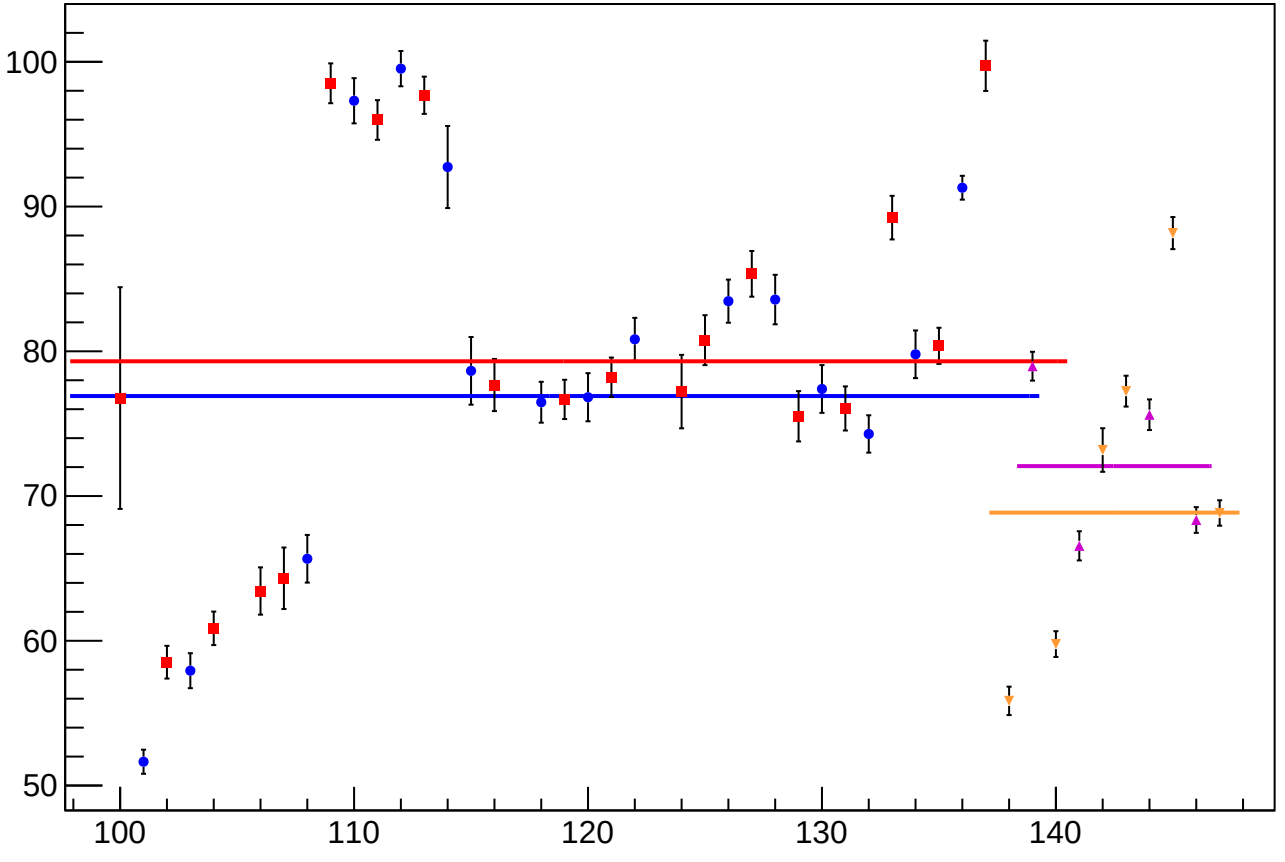
Left In: 2.291+/-0.360 χ^2/NDF:17.2/3

\+ sign 4.123+/-0.211 χ^2/NDF: 626.7/21

All: 4.183+/-0.159 χ^2/NDF: 885.8/44

\- sign 4.261+/-0.241 χ^2/NDF: 259.0/22

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.856+/-0.417 χ^2/NDF:653.9/5

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

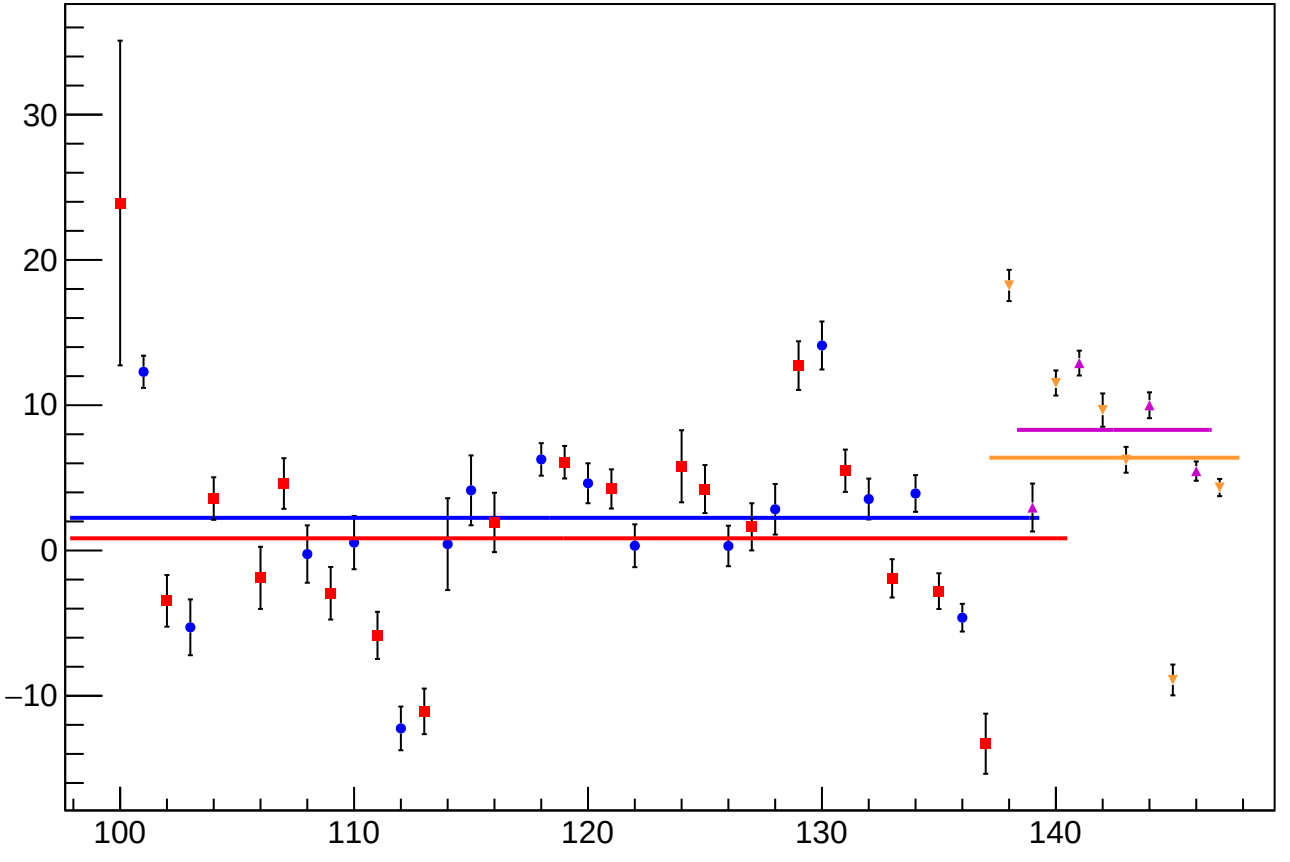
Left In: 72.069+/-0.491 χ^2/NDF:106.7/3

+ sign 73.734+/-0.262 χ^2/NDF: 2995.3/21

All: 75.187+/-0.193 χ^2/NDF: 4810.0/44

- sign 76.890+/-0.284 χ^2/NDF: 1748.0/22

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.387+/-0.354 χ^2/NDF:385.6/5

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

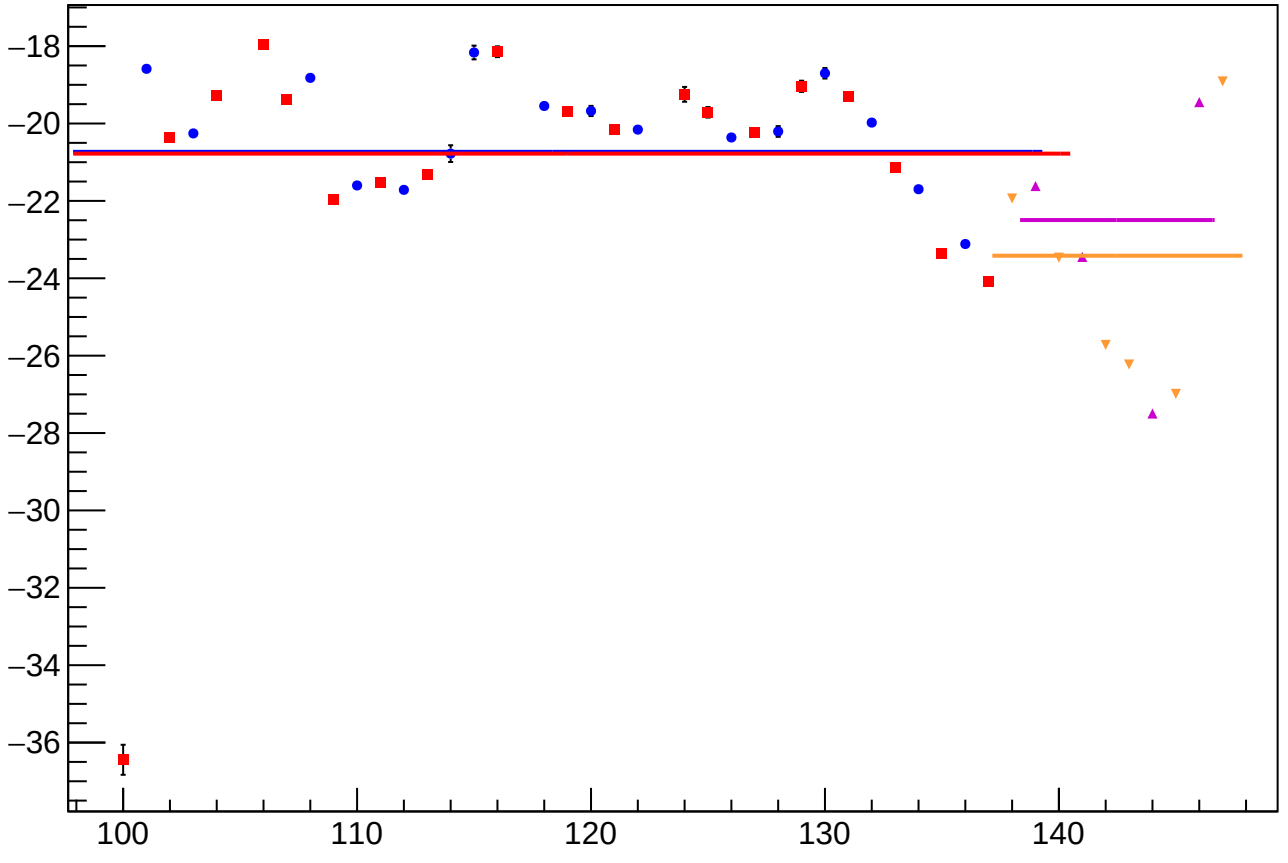
Left In: 8.303+/-0.435 χ^2/NDF:61.4/3

\+ sign 4.367+/-0.254 χ^2/NDF: 771.7/21

All: 4.199+/-0.189 χ^2/NDF: 1260.1/44

\- sign 3.990+/-0.283 χ^2/NDF: 487.4/22

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -23.417+/-0.018 χ^2/NDF:26819.1/5

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

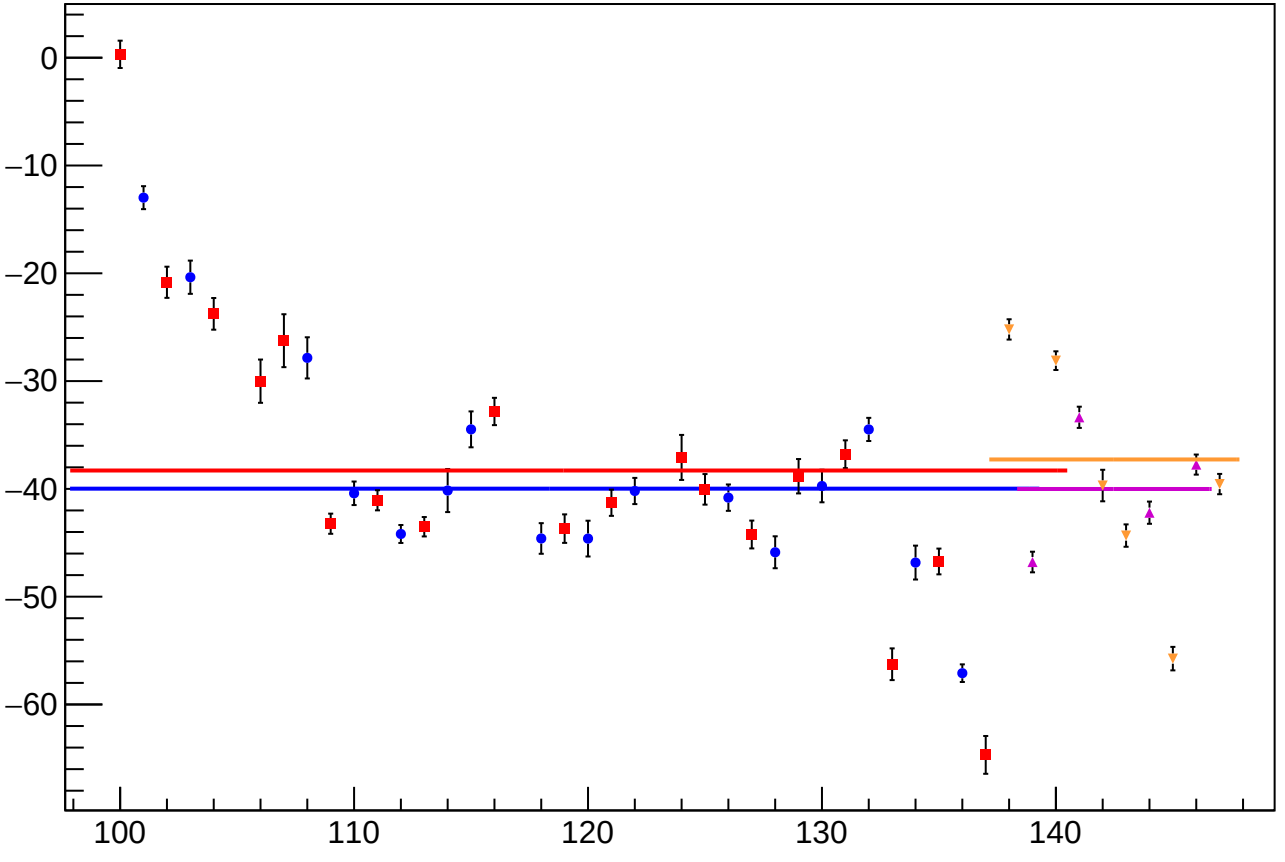
Left In: -22.495+/-0.020 χ^2/NDF:18613.5/3

+ sign -22.208+/-0.013 χ^2/NDF: 44957.4/21

All: -21.951+/-0.010 χ^2/NDF: 77504.1/44

- sign -21.646+/-0.014 χ^2/NDF: 31695.6/22

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.270+/-0.414 χ^2/NDF:617.9/5

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

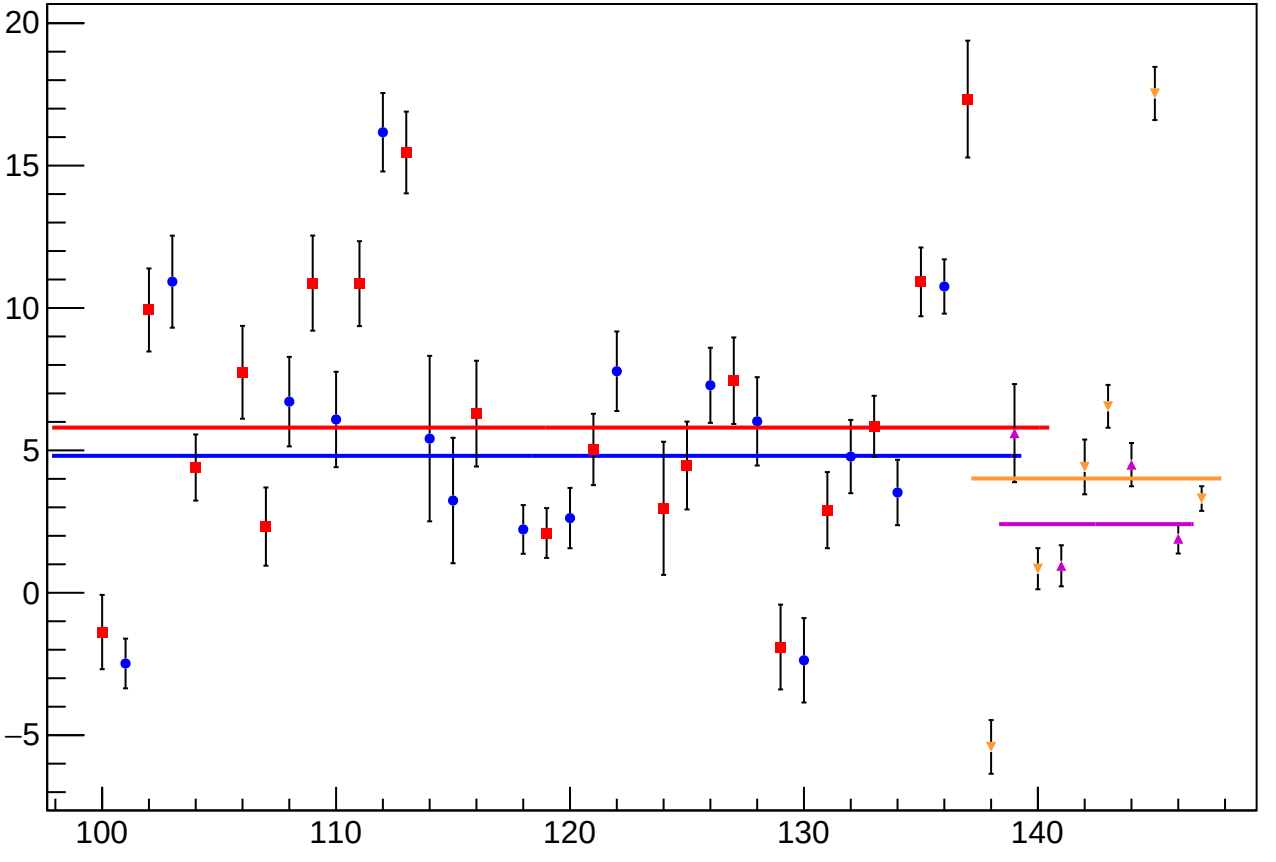
Left In: -40.009+/-0.487 χ^2/NDF:106.2/3

+ sign -39.003+/-0.249 χ^2/NDF: 2043.6/21

All: -38.887+/-0.178 χ^2/NDF: 3933.1/44

- sign -38.765+/-0.255 χ^2/NDF: 1889.0/22

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 4.014+/-0.284 χ^2/NDF:342.9/5

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

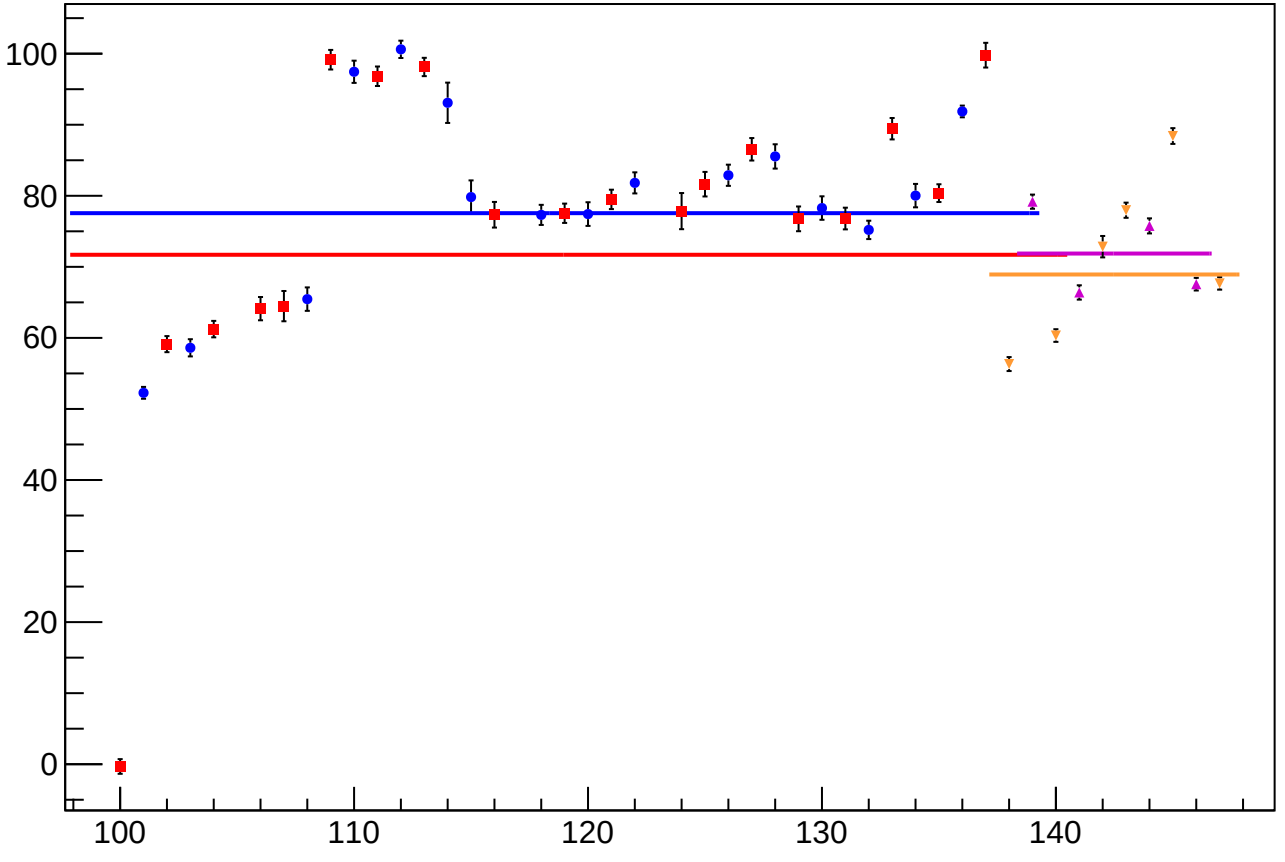
Left In: 2.410+/-0.361 χ^2/NDF:16.1/3

+ sign 4.369+/-0.212 χ^2/NDF: 586.9/21

All: 4.354+/-0.158 χ^2/NDF: 869.5/44

- sign 4.335+/-0.237 χ^2/NDF: 282.6/22

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 68.924+/-0.418 χ^2/NDF:646.4/5

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

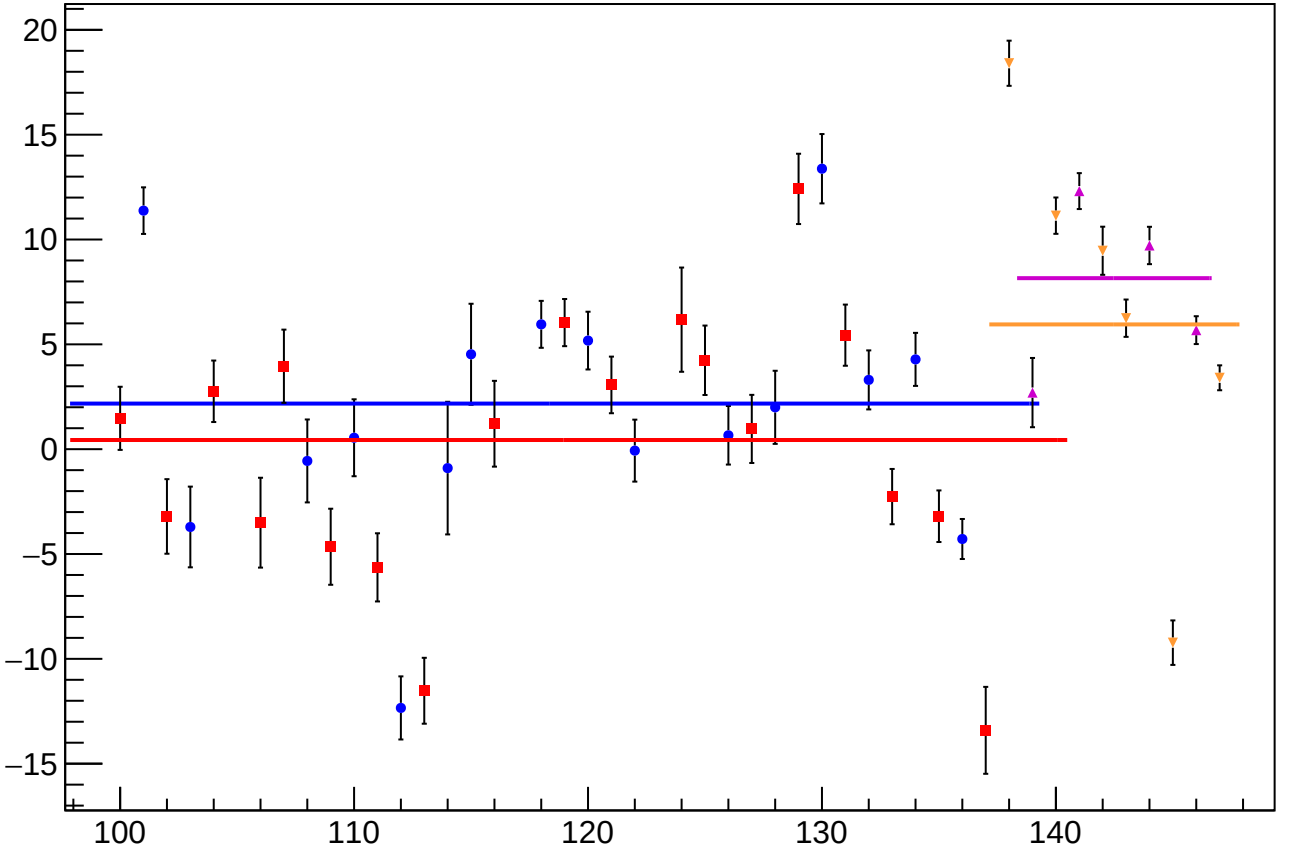
Left In: 71.872+/-0.492 χ^2/NDF:119.8/3

+ sign 74.151+/-0.263 χ^2/NDF: 3022.6/21

All: 73.004+/-0.190 χ^2/NDF: 10086.0/44

- sign 71.752+/-0.274 χ^2/NDF: 7023.4/22

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.951+/-0.355 χ^2/NDF:402.2/5

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

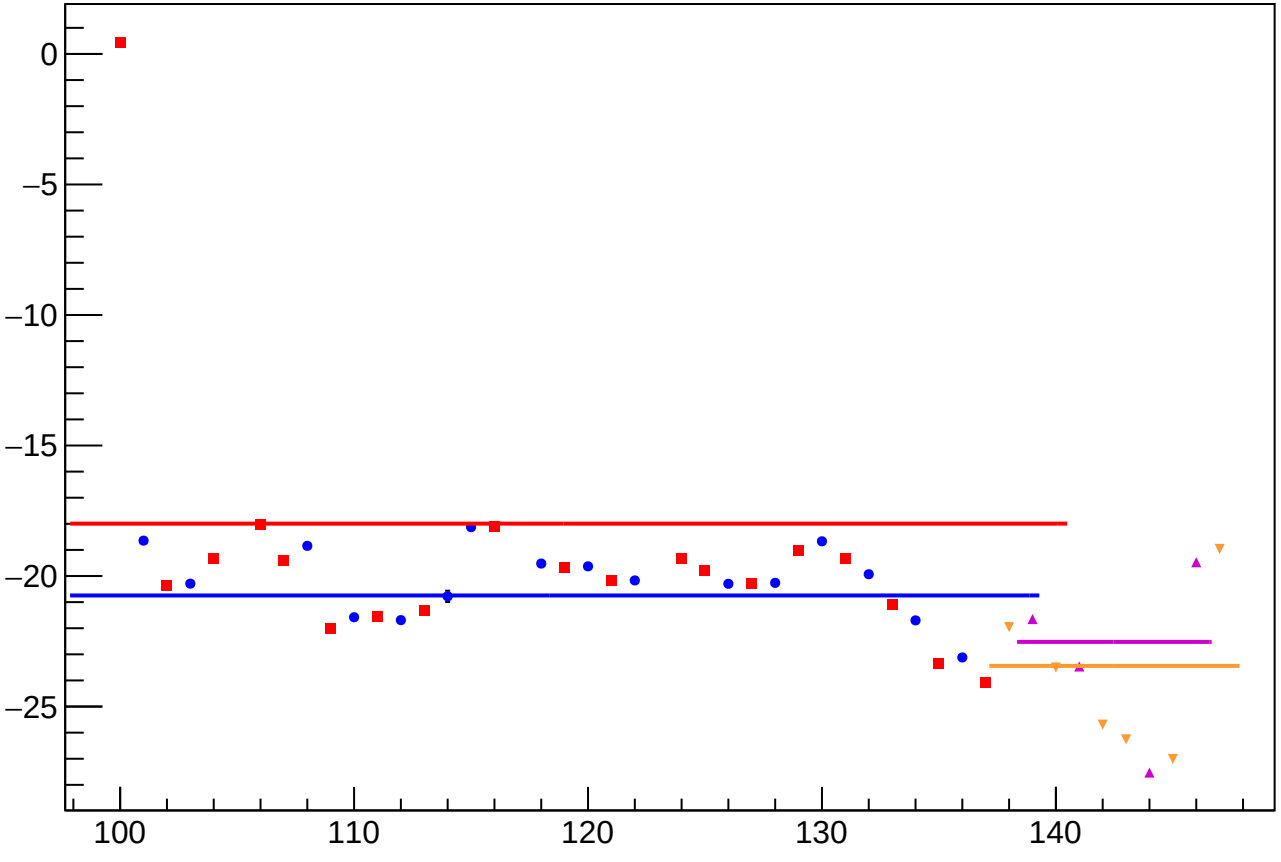
Left In: 8.157+/-0.436 χ^2/NDF:51.4/3

+ sign 4.108+/-0.254 χ^2/NDF: 747.7/21

All: 3.871+/-0.188 χ^2/NDF: 1240.6/44

- sign 3.585+/-0.279 χ^2/NDF: 491.0/22

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -23.443+/-0.018 χ^2/NDF:26548.7/5

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

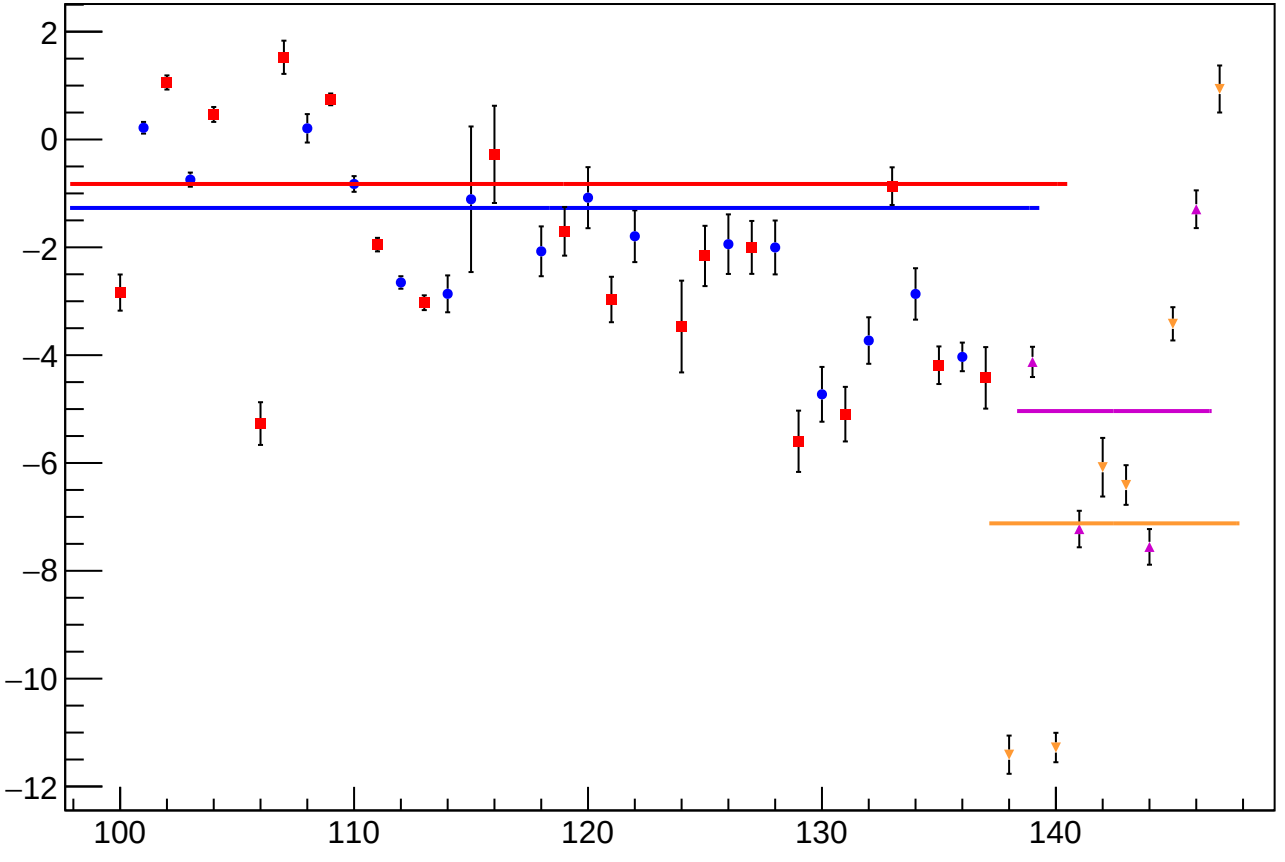
Left In: -22.523+/-0.020 χ^2/NDF:18566.5/3

+ sign -22.228+/-0.013 χ^2/NDF: 44641.9/21

All: -21.231+/-0.009 χ^2/NDF: 253215.2/44

- sign -20.127+/-0.014 χ^2/NDF: 196273.3/22

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.120+/-0.144 χ^2/NDF:871.6/5

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

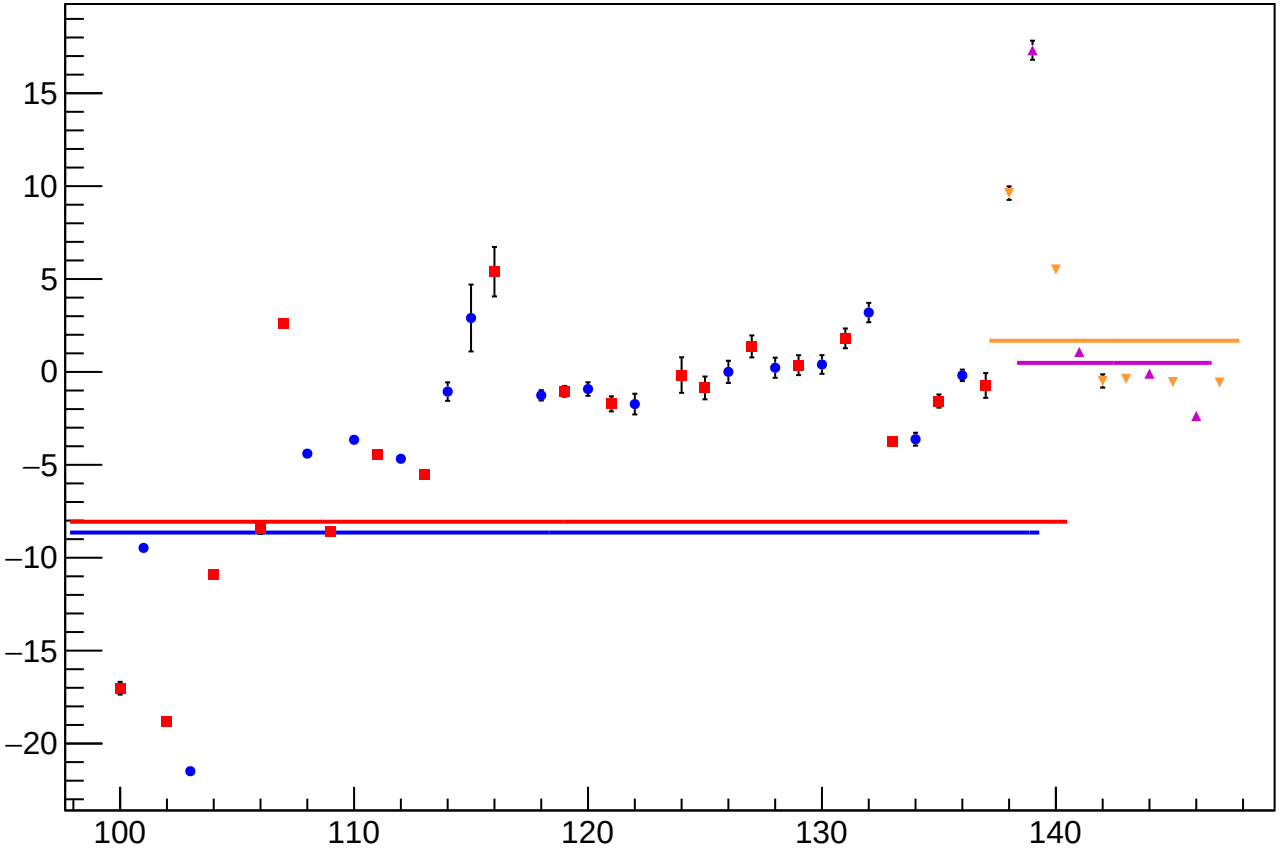
Left In: -5.037+/-0.161 χ^2/NDF:224.8/3

+ sign -1.999+/-0.051 χ^2/NDF: 2924.0/21

All: -1.586+/-0.035 χ^2/NDF: 5282.4/44

- sign -1.211+/-0.049 χ^2/NDF: 2233.3/22

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.679+/-0.107 χ^2/NDF:1046.7/5

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

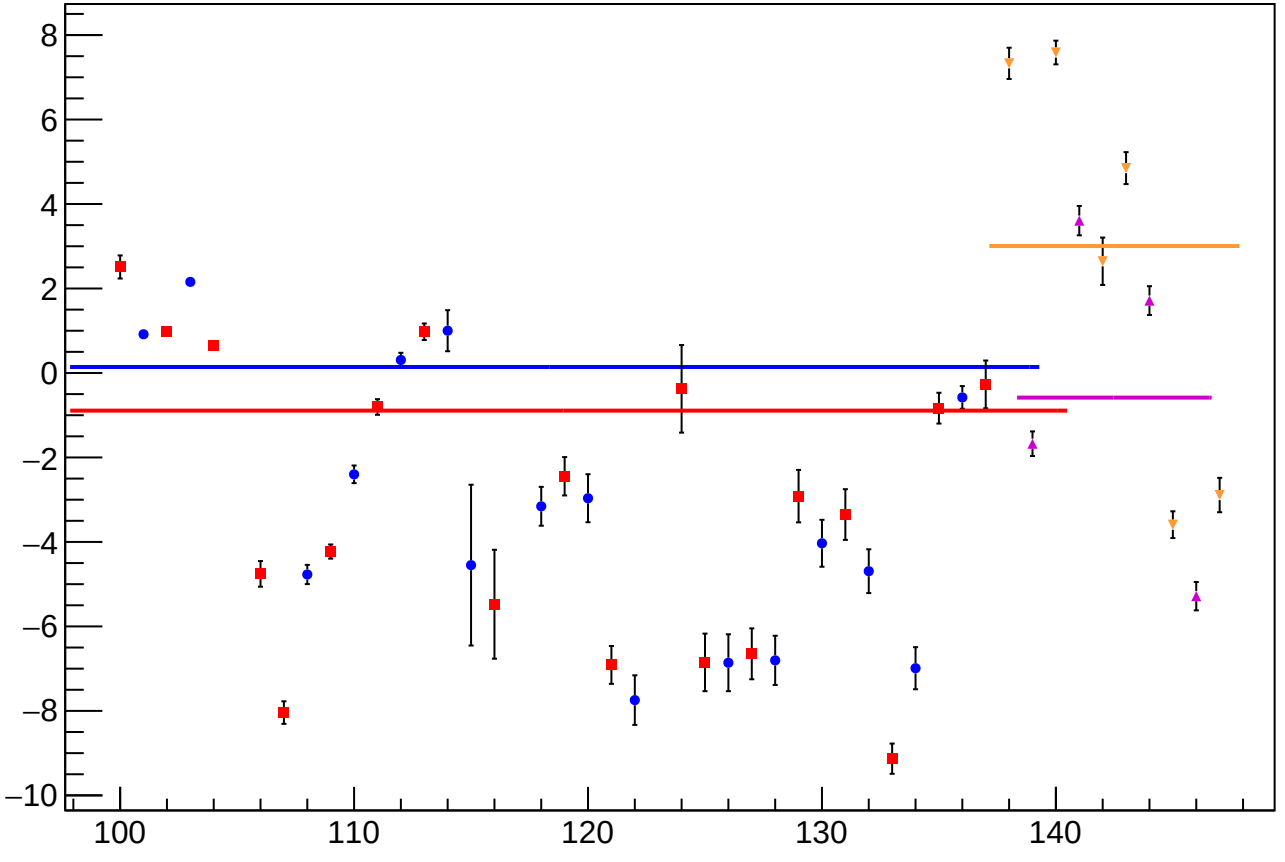
Left In: 0.488+/-0.131 χ^2/NDF:1258.8/3

+ sign -6.368+/-0.050 χ^2/NDF: 22123.7/21

All: -6.514+/-0.036 χ^2/NDF: 41420.0/44

- sign -6.674+/-0.053 χ^2/NDF: 19278.7/22

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.005+/-0.147 χ^2/NDF:1071.9/5

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

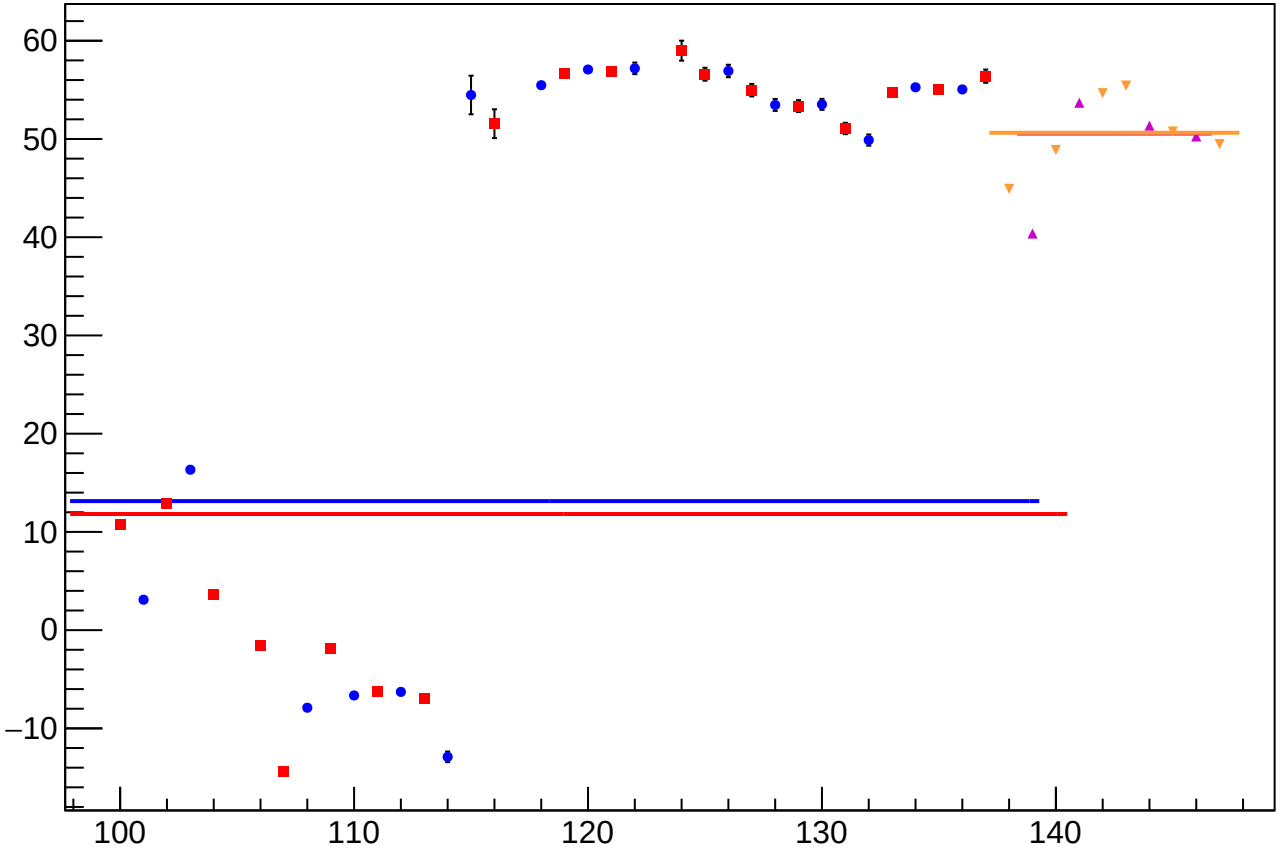
Left In: -0.583+/-0.163 χ^2/NDF:400.6/3

+ sign 0.470+/-0.050 χ^2/NDF: 3367.2/21

All: -0.181+/-0.036 χ^2/NDF: 7105.5/44

- sign -0.861+/-0.051 χ^2/NDF: 3389.4/22

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.634+/-0.130 χ^2/NDF:571.5/5

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

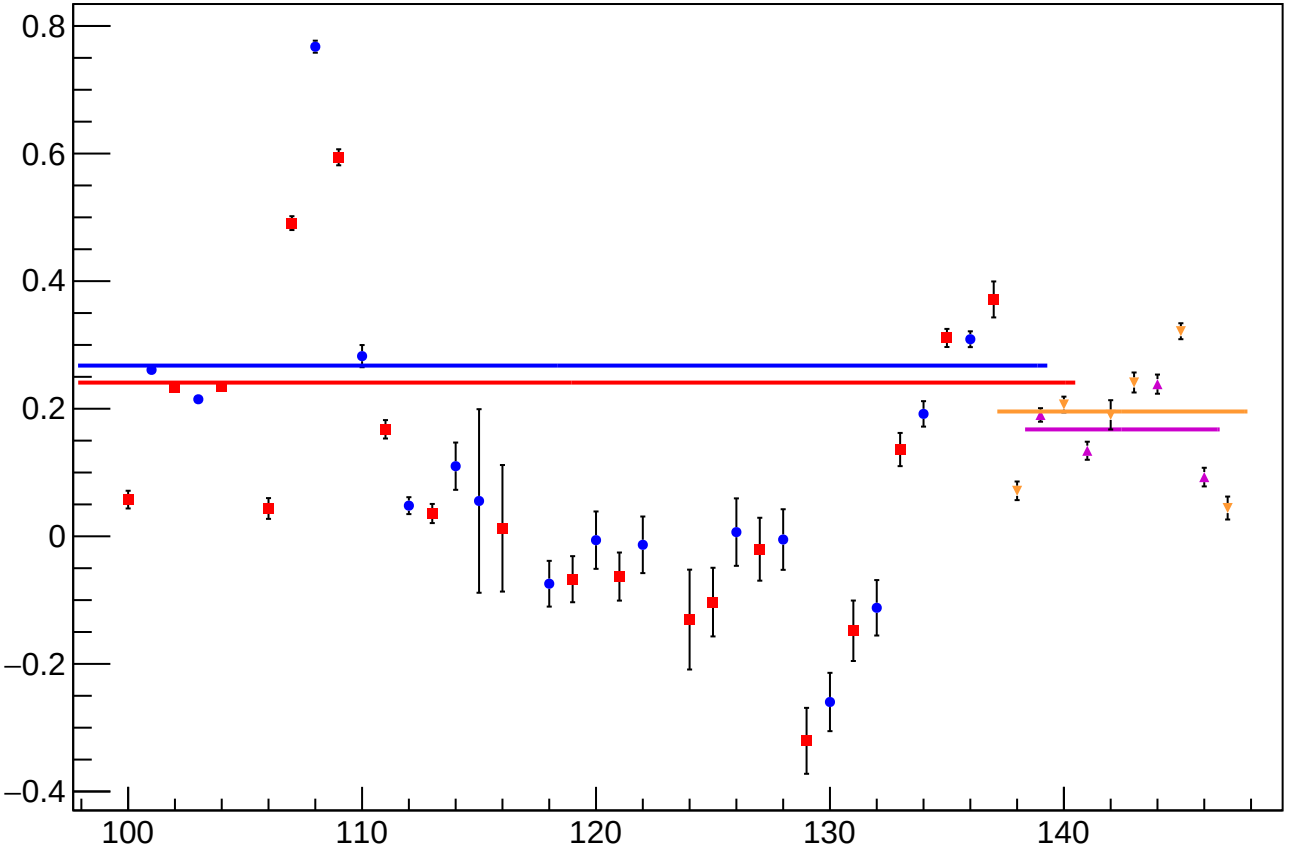
Left In: 50.552+/-0.154 χ^2/NDF:544.8/3

+ sign 21.179+/-0.060 χ^2/NDF: 174477.8/21

All: 19.698+/-0.043 χ^2/NDF: 347458.1/44

- sign 18.124+/-0.062 χ^2/NDF: 171732.8/22

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.196+/-0.006 χ^2/NDF:253.9/5

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

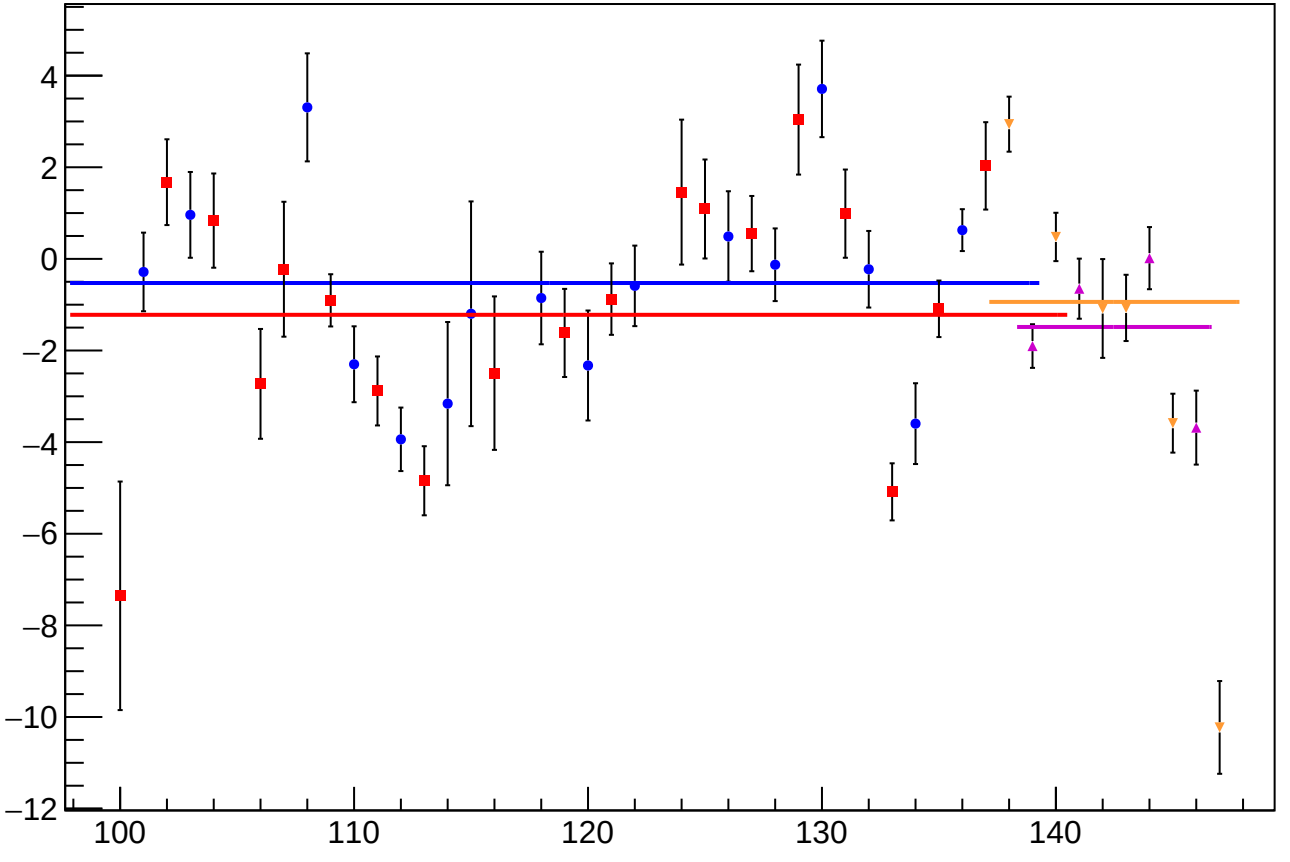
Left In: 0.168+/-0.007 χ^2/NDF:58.7/3

+ sign 0.255+/-0.003 χ^2/NDF: 4088.9/21

All: 0.243+/-0.002 χ^2/NDF: 6641.4/44

- sign 0.230+/-0.003 χ^2/NDF: 2503.5/22

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.939+/-0.282 χ^2/NDF:150.1/5

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

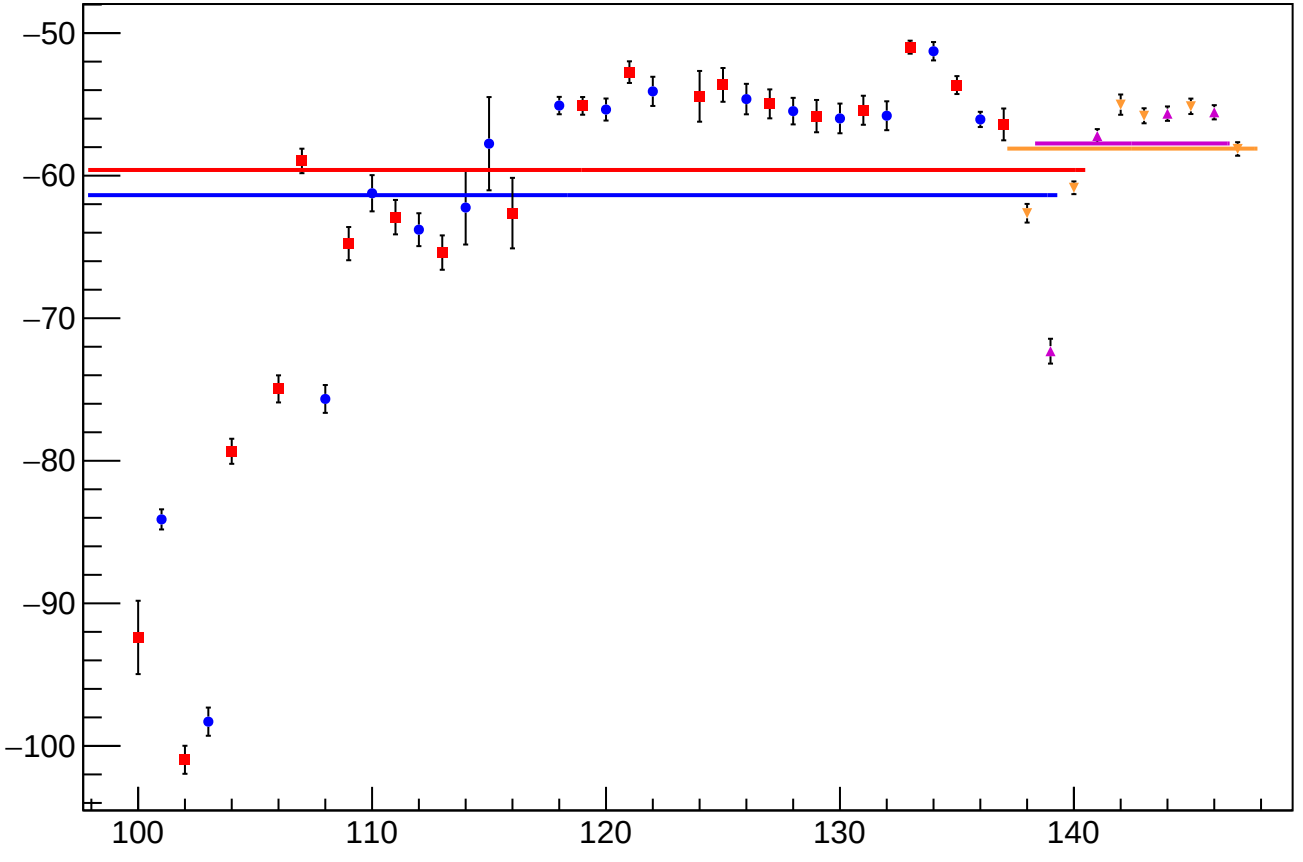
Left In: -1.486+/-0.309 χ^2/NDF:14.7/3

+ sign -0.680+/-0.172 χ^2/NDF: 234.2/21

All: -0.993+/-0.121 χ^2/NDF: 386.9/44

- sign -1.302+/-0.171 χ^2/NDF: 146.1/22

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.102+/-0.219 χ^2/NDF:153.9/5

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

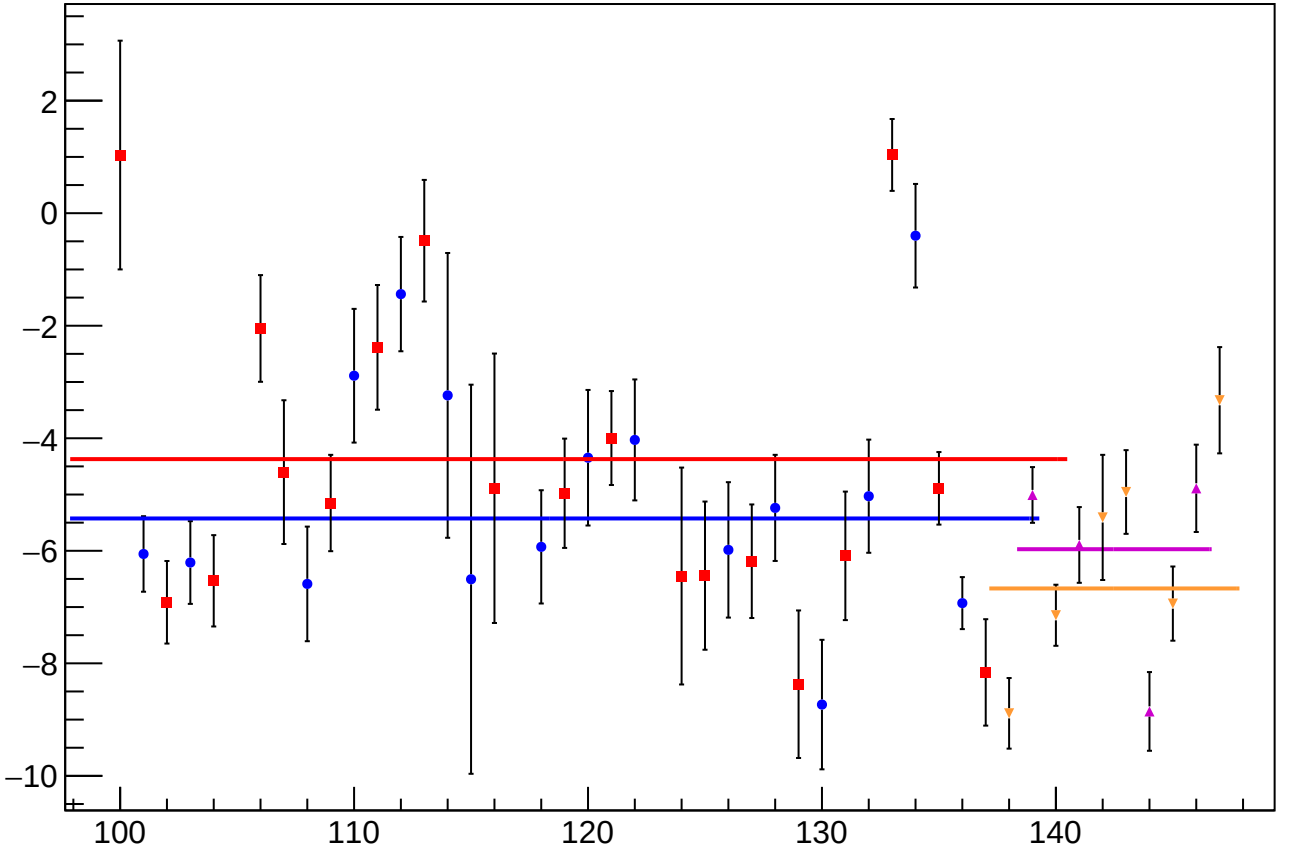
Left In: -57.742+/-0.272 χ^2/NDF:317.2/3

+ sign -59.738+/-0.155 χ^2/NDF: 3616.0/21

All: -59.354+/-0.113 χ^2/NDF: 7397.2/44

- sign -58.921+/-0.165 χ^2/NDF: 3768.1/22

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -6.669+/-0.289 χ^2/NDF:32.6/5

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

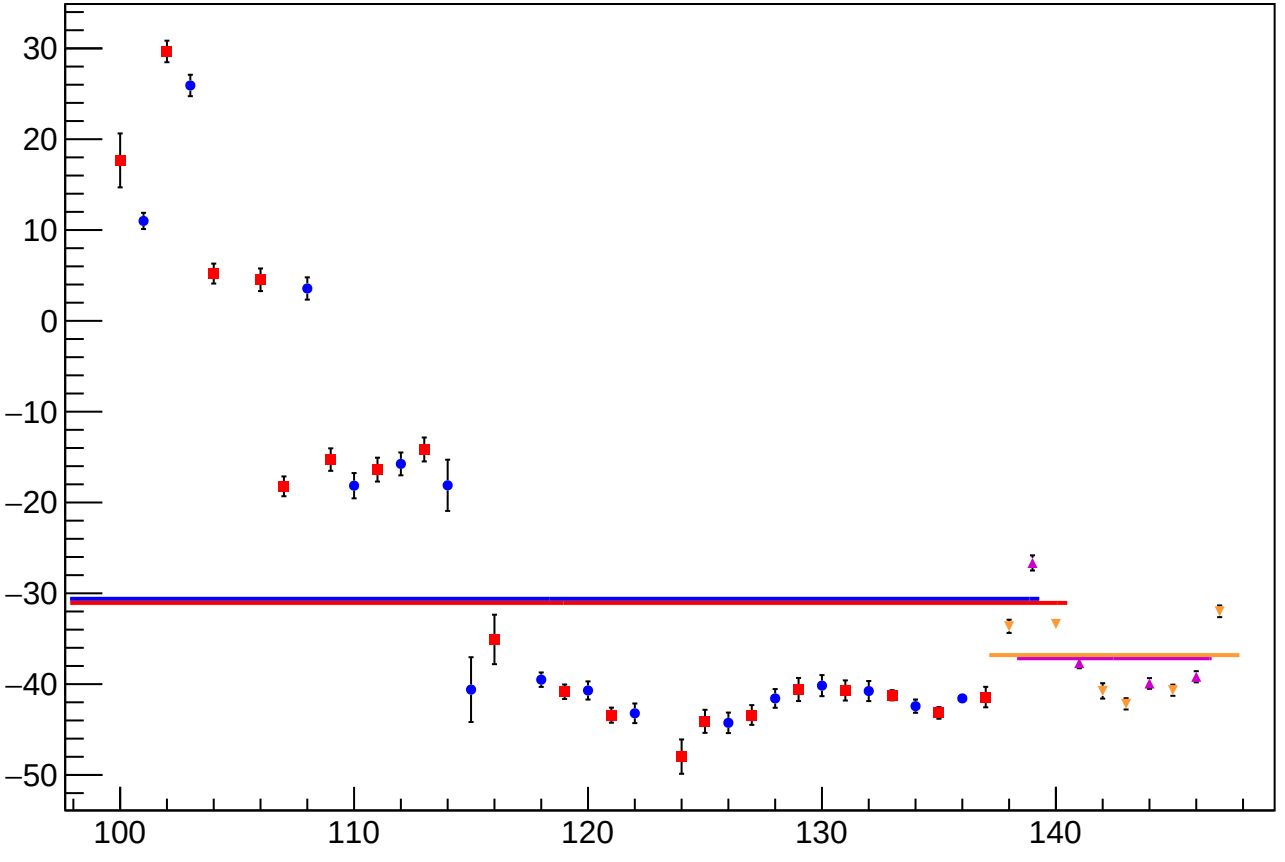
Left In: -5.972+/-0.316 χ^2/NDF:22.7/3

\+ sign -5.908+/-0.180 χ^2/NDF: 119.9/21

All: -5.410+/-0.128 χ^2/NDF: 331.9/44

\- sign -4.900+/-0.182 χ^2/NDF: 196.5/22

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.805+/-0.263 χ^2/NDF:251.8/5

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

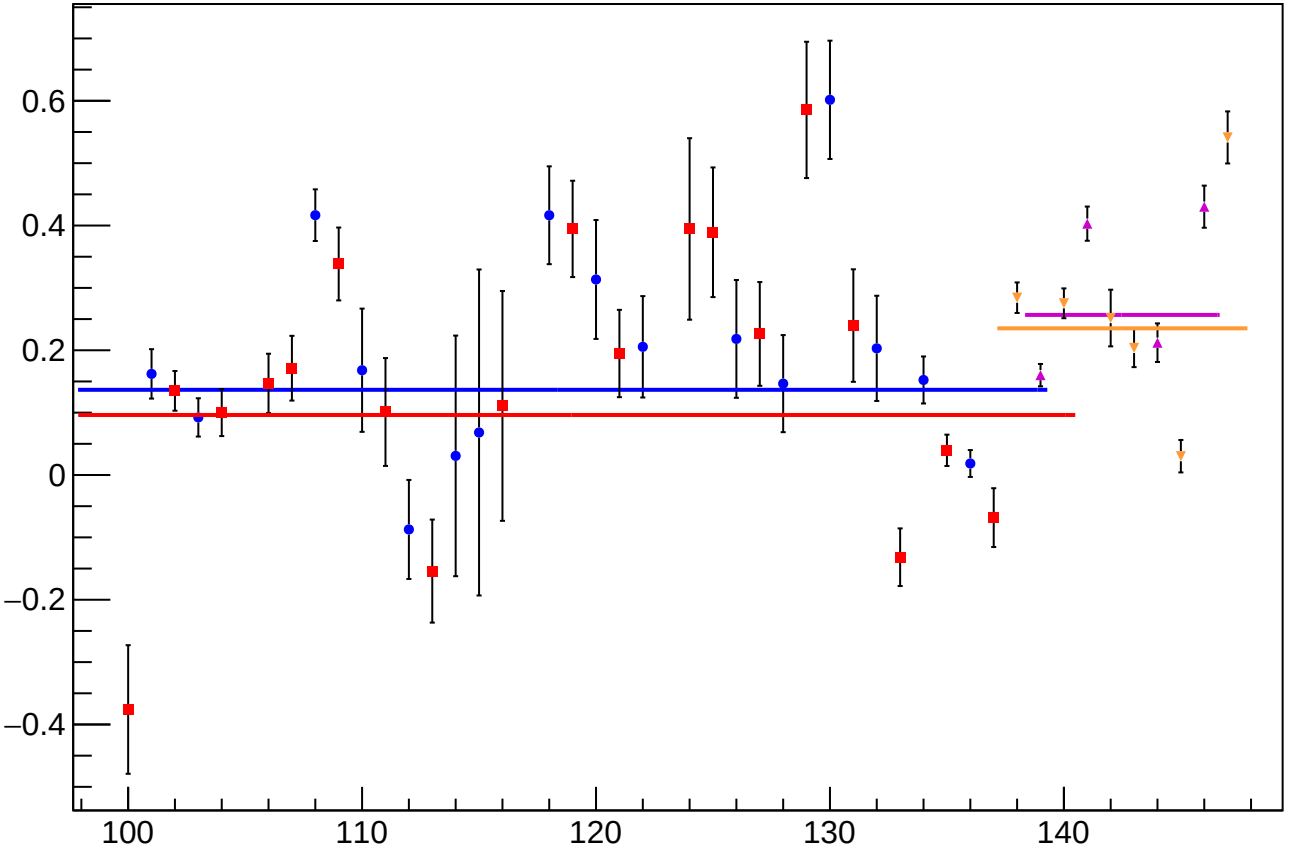
Left In: -37.152+/-0.316 χ^2/NDF:191.5/3

+ sign -33.537+/-0.181 χ^2/NDF: 7482.1/21

All: -33.405+/-0.131 χ^2/NDF: 14888.8/44

- sign -33.260+/-0.190 χ^2/NDF: 7405.6/22

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.235+/-0.012 χ^2/NDF:123.9/5

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

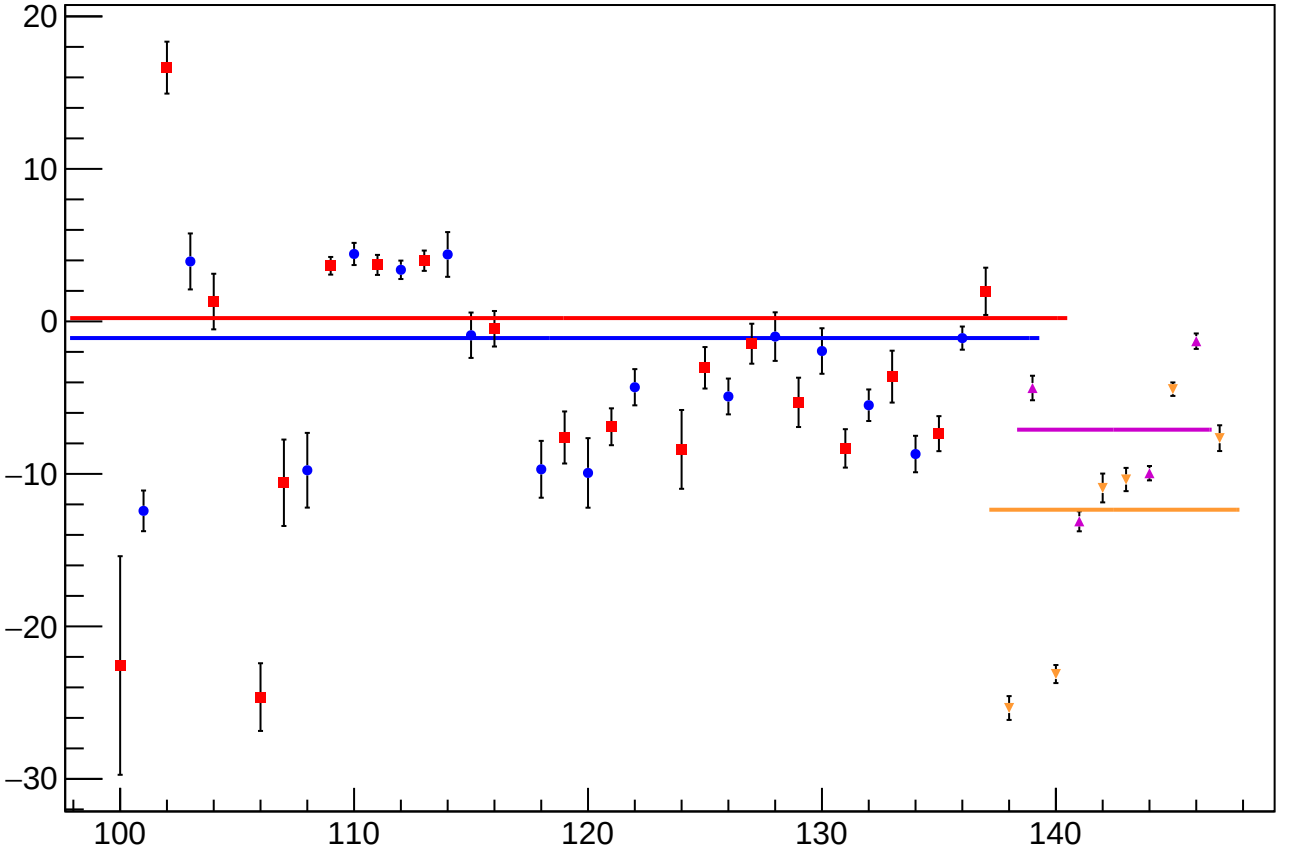
Left In: 0.257+/-0.013 χ^2/NDF:86.0/3

+ sign 0.188+/-0.009 χ^2/NDF: 285.6/21

All: 0.182+/-0.006 χ^2/NDF: 603.7/44

- sign 0.175+/-0.009 χ^2/NDF: 317.0/22

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.349+/-0.269 χ^2/NDF:968.1/5

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

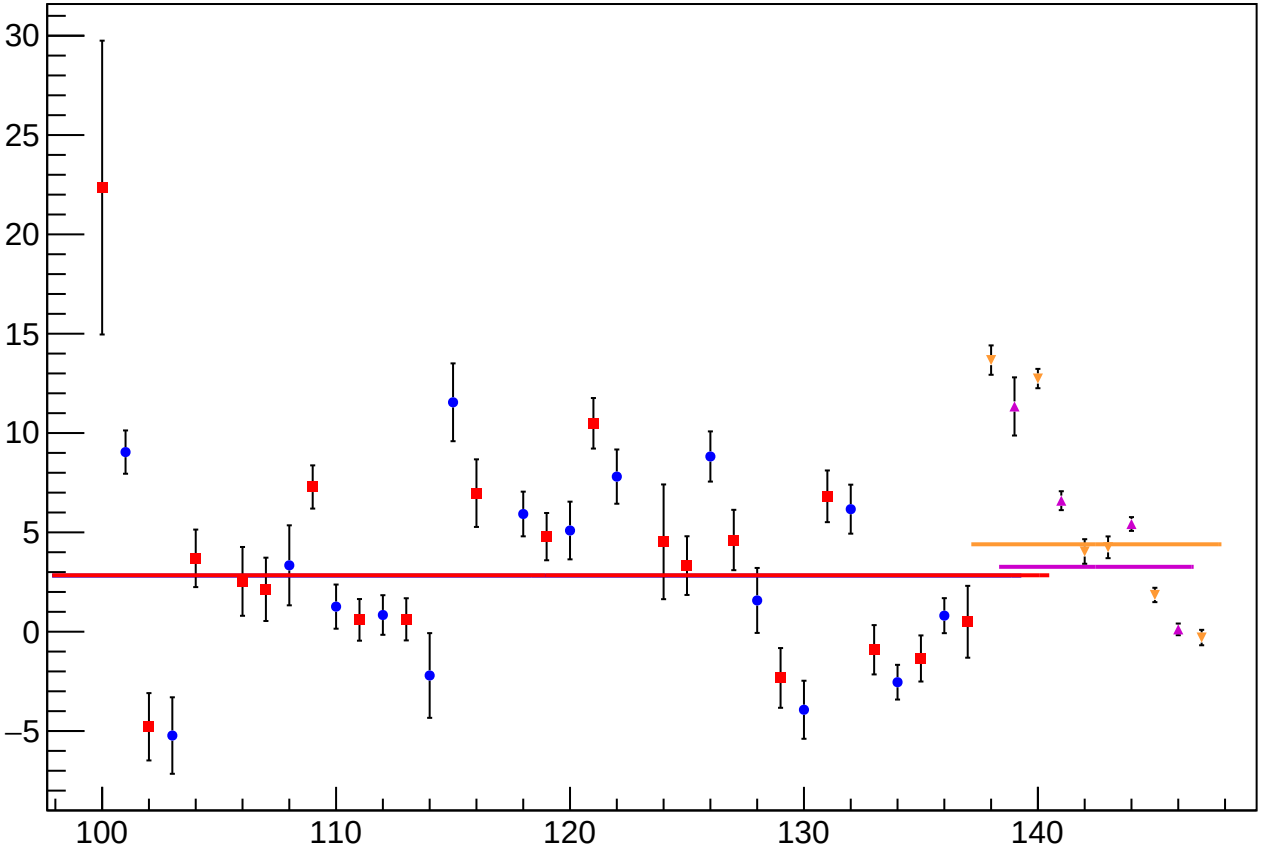
Left In: -7.101+/-0.285 χ^2/NDF:263.4/3

+ sign -6.965+/-0.194 χ^2/NDF: 2139.9/21

All: -5.082+/-0.137 χ^2/NDF: 3464.5/44

- sign -3.187+/-0.195 χ^2/NDF: 1135.7/22

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.400+/-0.195 χ^2/NDF:648.0/5

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

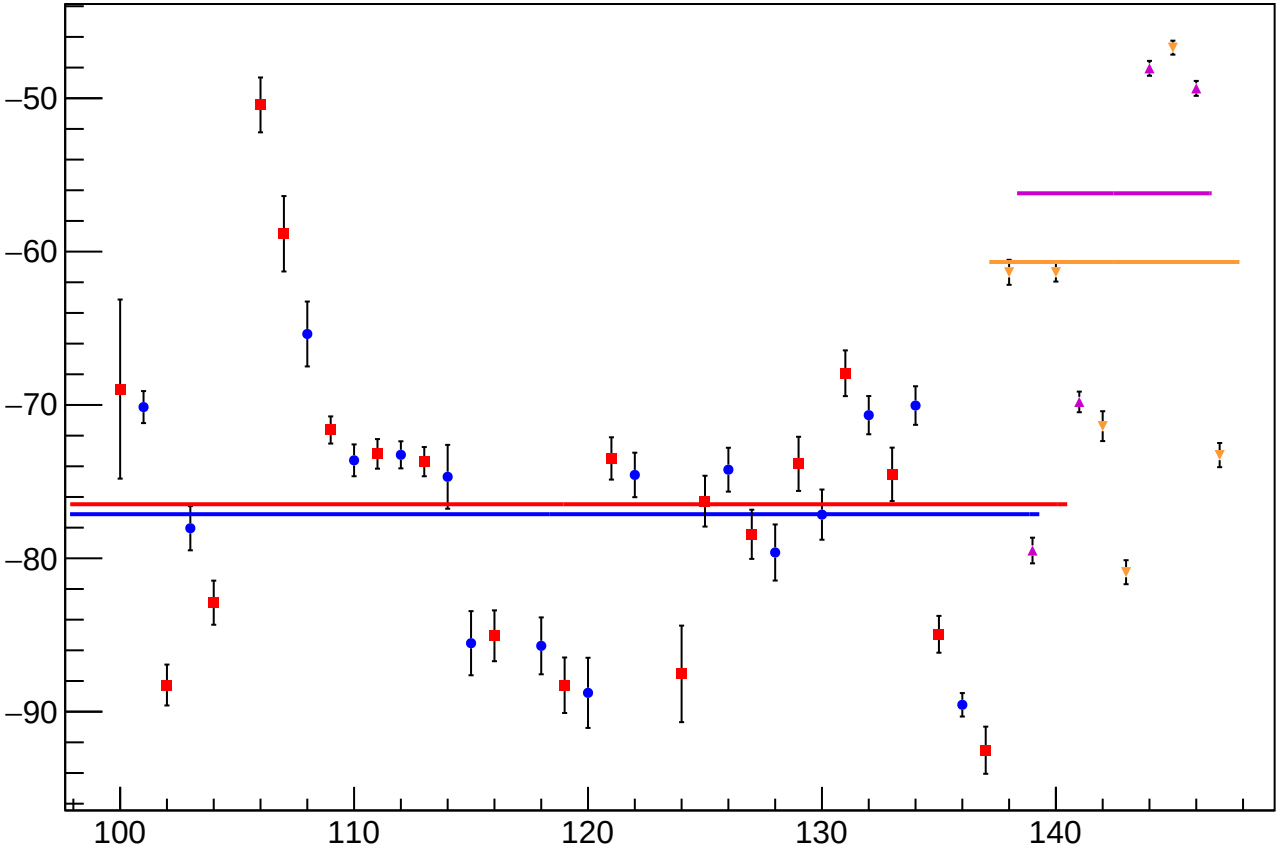
Left In: 3.266+/-0.201 χ^2/NDF:232.6/3

+ sign 3.960+/-0.166 χ^2/NDF: 865.8/21

All: 3.565+/-0.119 χ^2/NDF: 1256.3/44

- sign 3.146+/-0.171 χ^2/NDF: 378.8/22

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -60.678+/-0.274 χ^2/NDF:1985.9/5

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

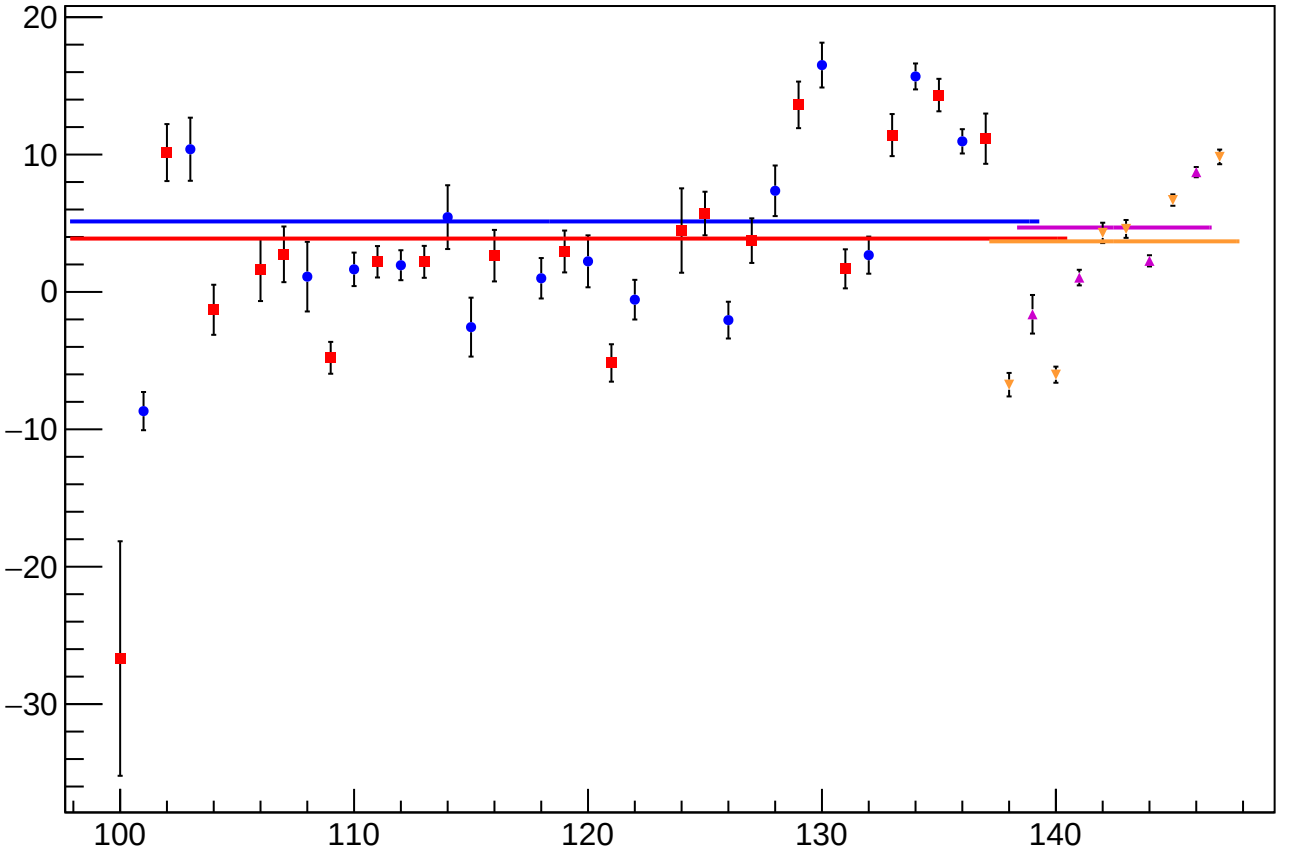
Left In: -56.197+/-0.288 χ^2/NDF:1662.3/3

+ sign -67.479+/-0.210 χ^2/NDF: 3978.9/21

All: -66.277+/-0.151 χ^2/NDF: 8561.5/44

- sign -64.998+/-0.216 χ^2/NDF: 4514.8/22

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.682+/-0.237 χ^2/NDF:611.2/5

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

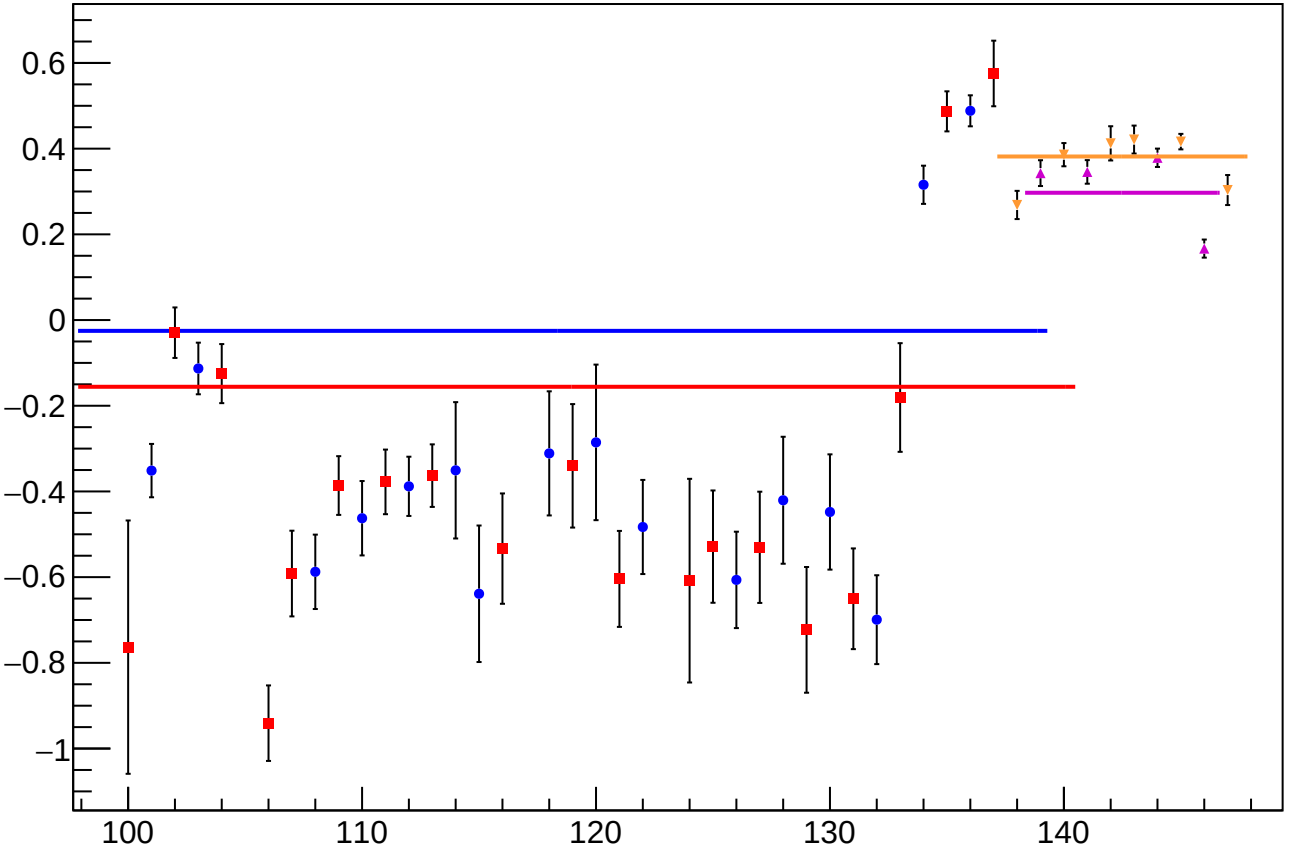
Left In: 4.689+/-0.243 χ^2/NDF:214.3/3

\+ sign 4.138+/-0.196 χ^2/NDF: 1035.3/21

All: 4.284+/-0.141 χ^2/NDF: 1545.7/44

\- sign 4.438+/-0.202 χ^2/NDF: 509.2/22

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.382+/-0.011 χ^2/NDF:22.6/5

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

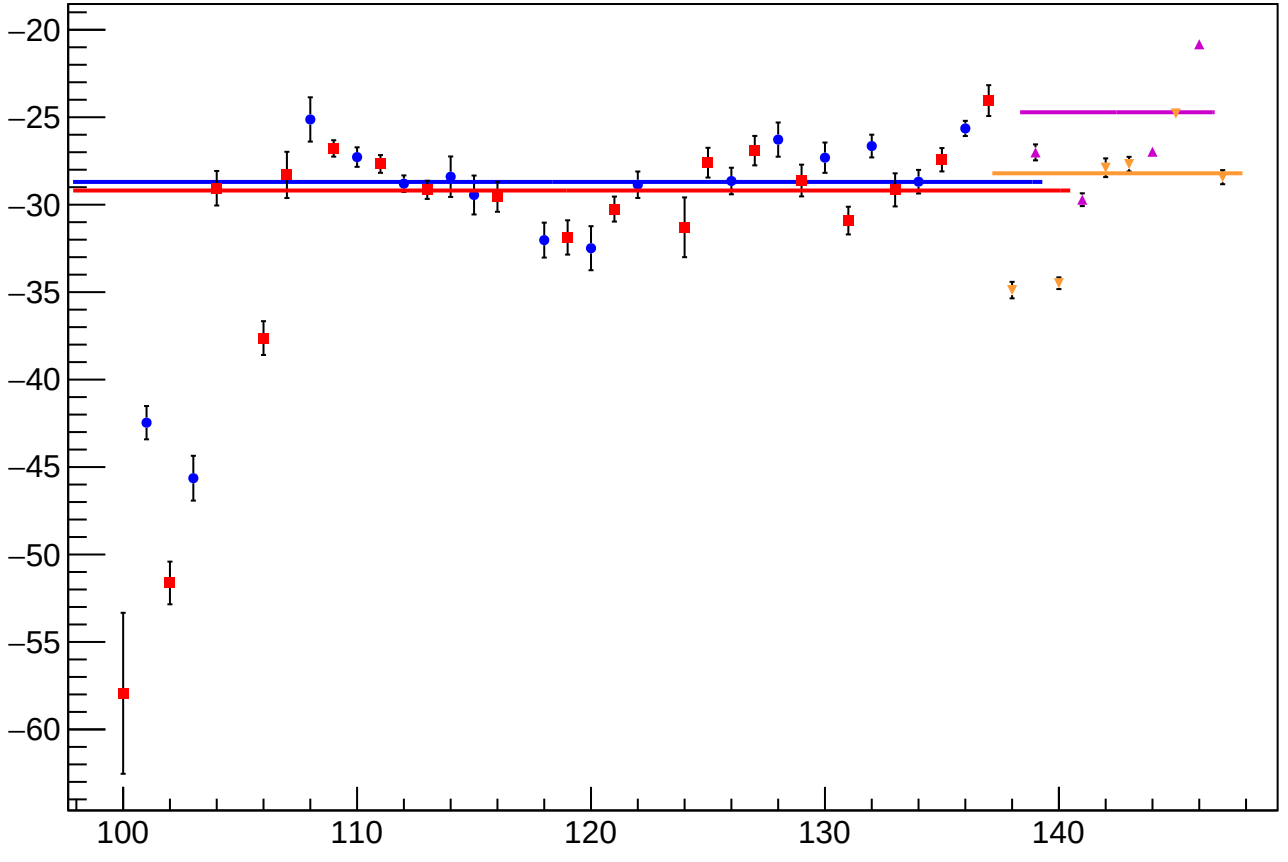
Left In: 0.297+/-0.012 χ^2/NDF:58.0/3

+ sign 0.274+/-0.010 χ^2/NDF: 874.2/21

All: 0.229+/-0.007 χ^2/NDF: 1842.2/44

- sign 0.178+/-0.010 χ^2/NDF: 922.5/22

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.205+/-0.137 χ^2/NDF:840.1/5

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

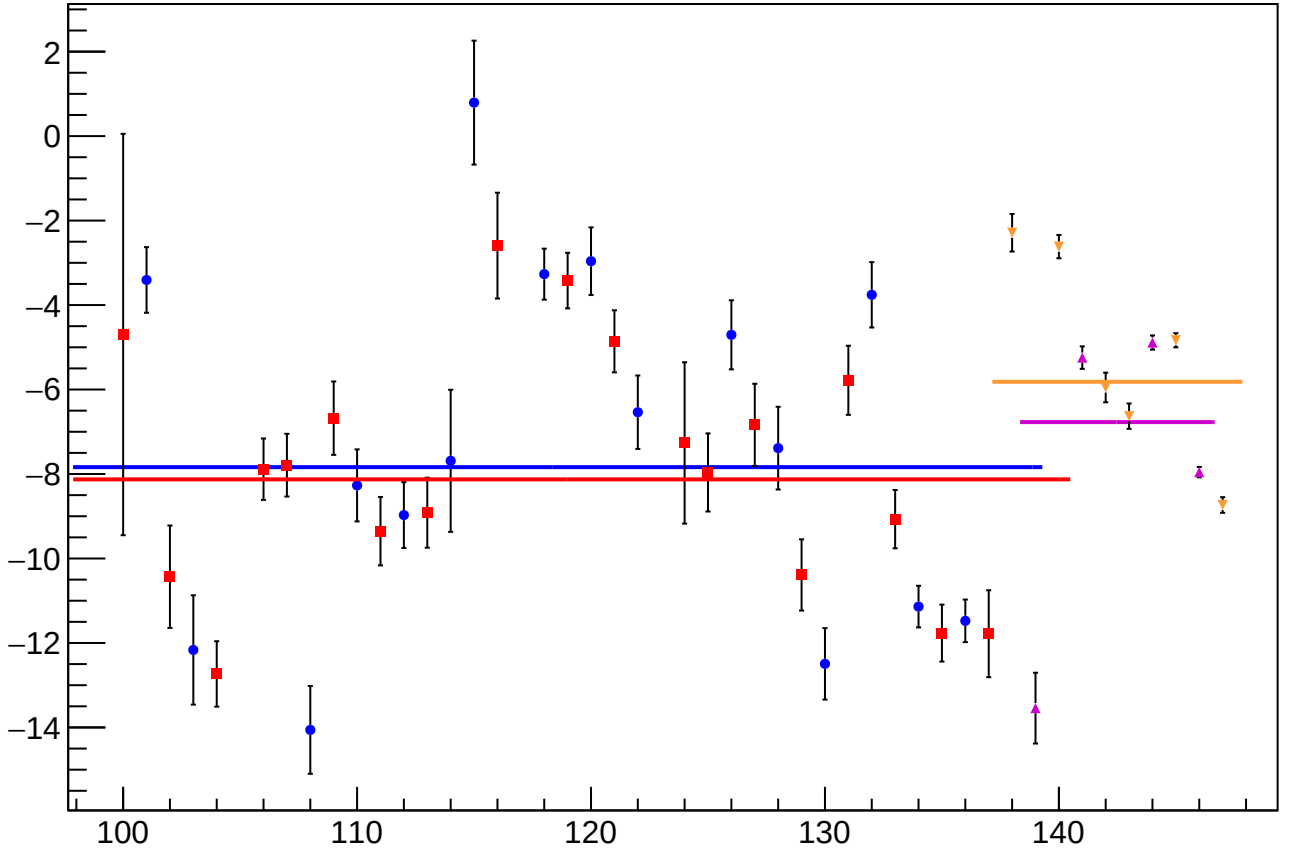
Left In: -24.716+/-0.135 χ^2/NDF:664.4/3

+ sign -28.379+/-0.110 χ^2/NDF: 1331.9/21

All: -27.324+/-0.077 χ^2/NDF: 3125.0/44

- sign -26.310+/-0.108 χ^2/NDF: 1613.9/22

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.816+/-0.099 χ^2/NDF:488.3/5

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

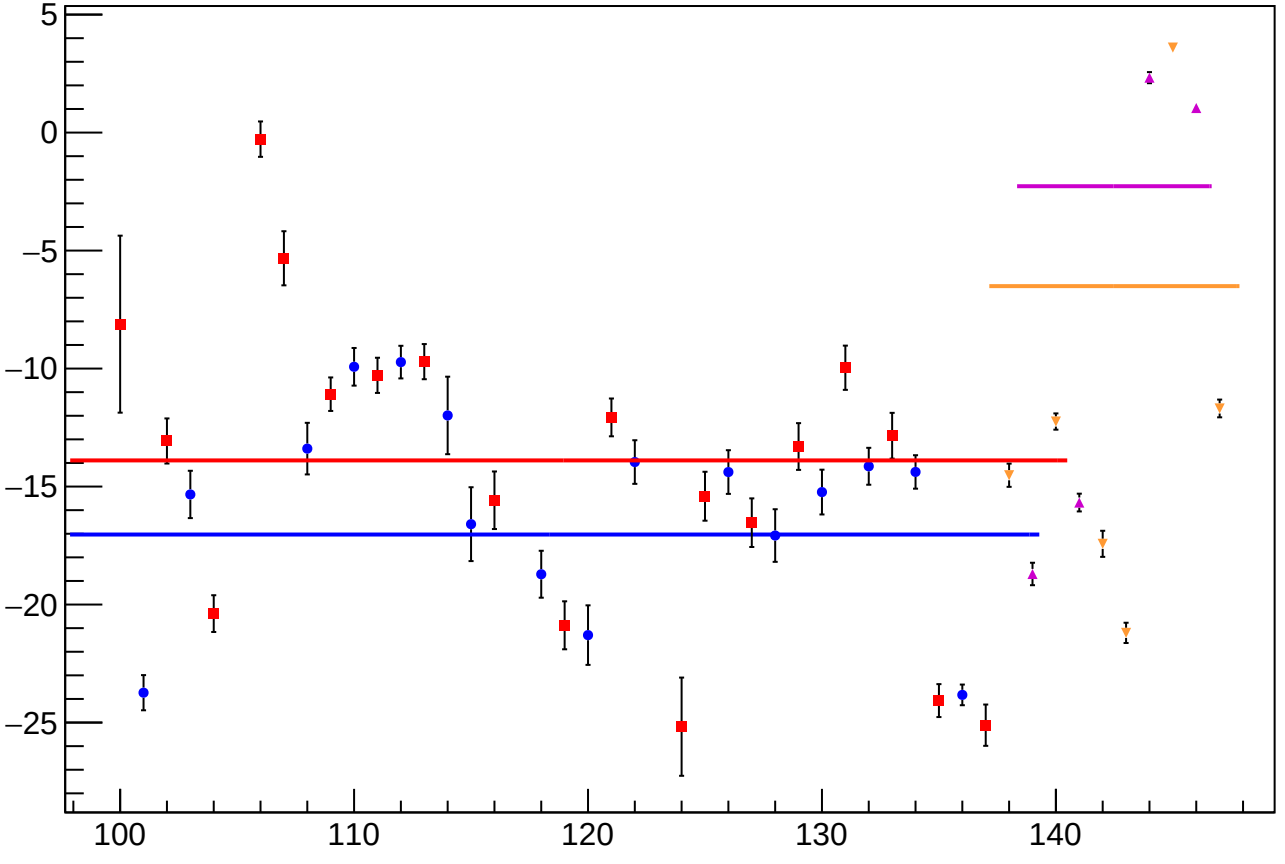
Left In: -6.771+/-0.092 χ^2/NDF:316.6/3

+ sign -6.230+/-0.088 χ^2/NDF: 957.0/21

All: -6.644+/-0.061 χ^2/NDF: 1551.7/44

- sign -7.016+/-0.084 χ^2/NDF: 552.9/22

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.507+/-0.139 χ^2/NDF:4656.9/5

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

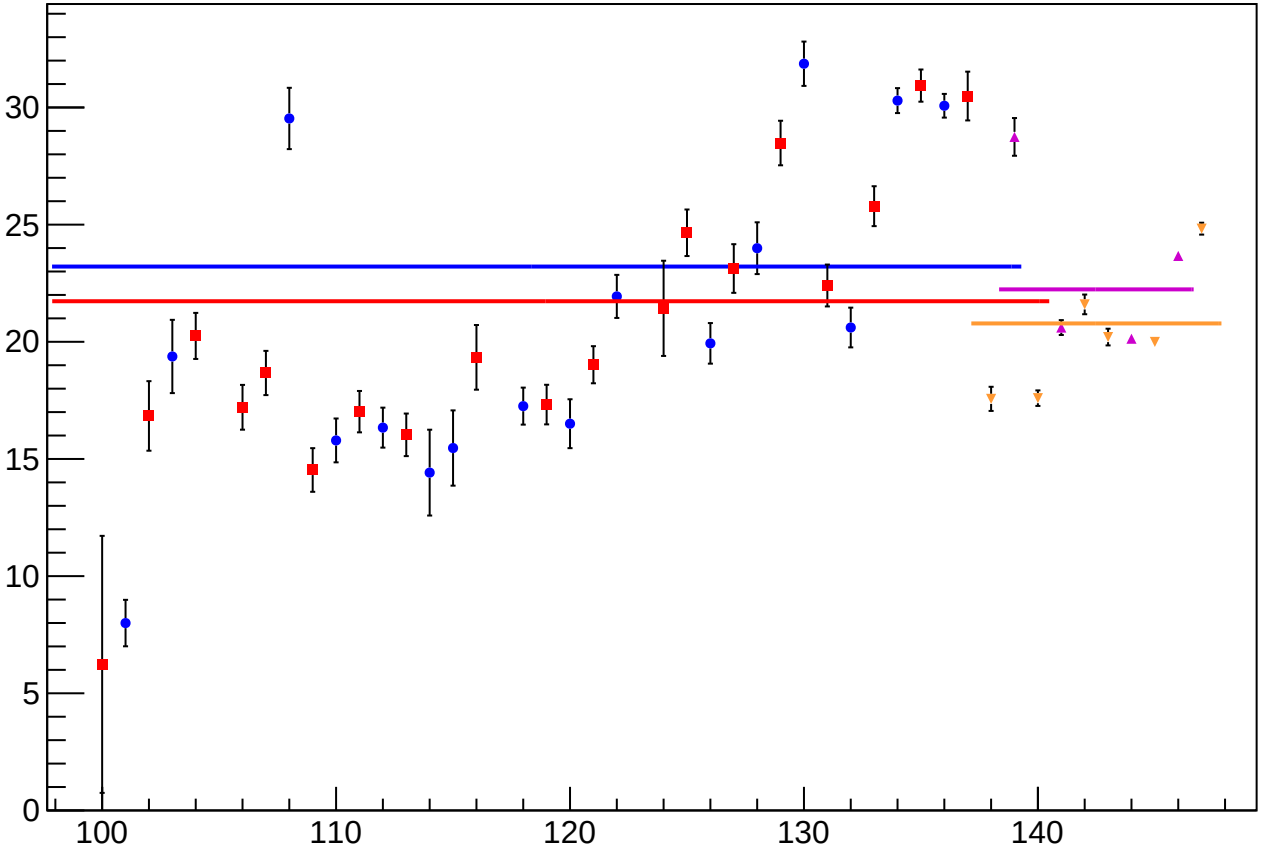
Left In: -2.273+/-0.135 χ^2/NDF:3122.3/3

+ sign -9.740+/-0.116 χ^2/NDF: 7009.2/21

All: -7.665+/-0.081 χ^2/NDF: 13950.4/44

- sign -5.684+/-0.113 χ^2/NDF: 6316.4/22

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 20.784+/-0.120 χ^2/NDF:408.1/5

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

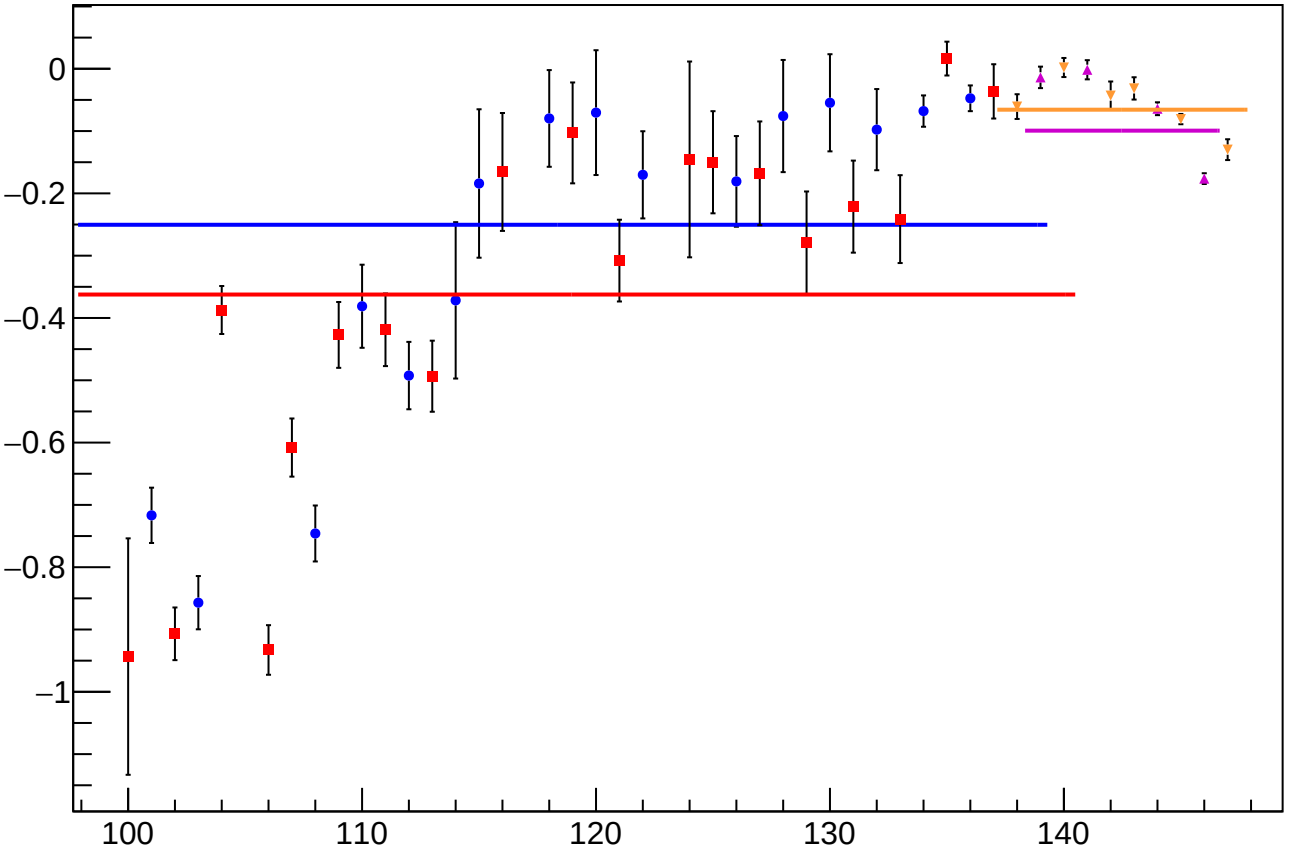
Left In: 22.237+/-0.112 χ^2/NDF:291.8/3

+ sign 21.350+/-0.105 χ^2/NDF: 1511.4/21

All: 21.762+/-0.073 χ^2/NDF: 2394.6/44

- sign 22.136+/-0.100 χ^2/NDF: 854.1/22

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.066+/-0.006 χ^2/NDF:42.3/5

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

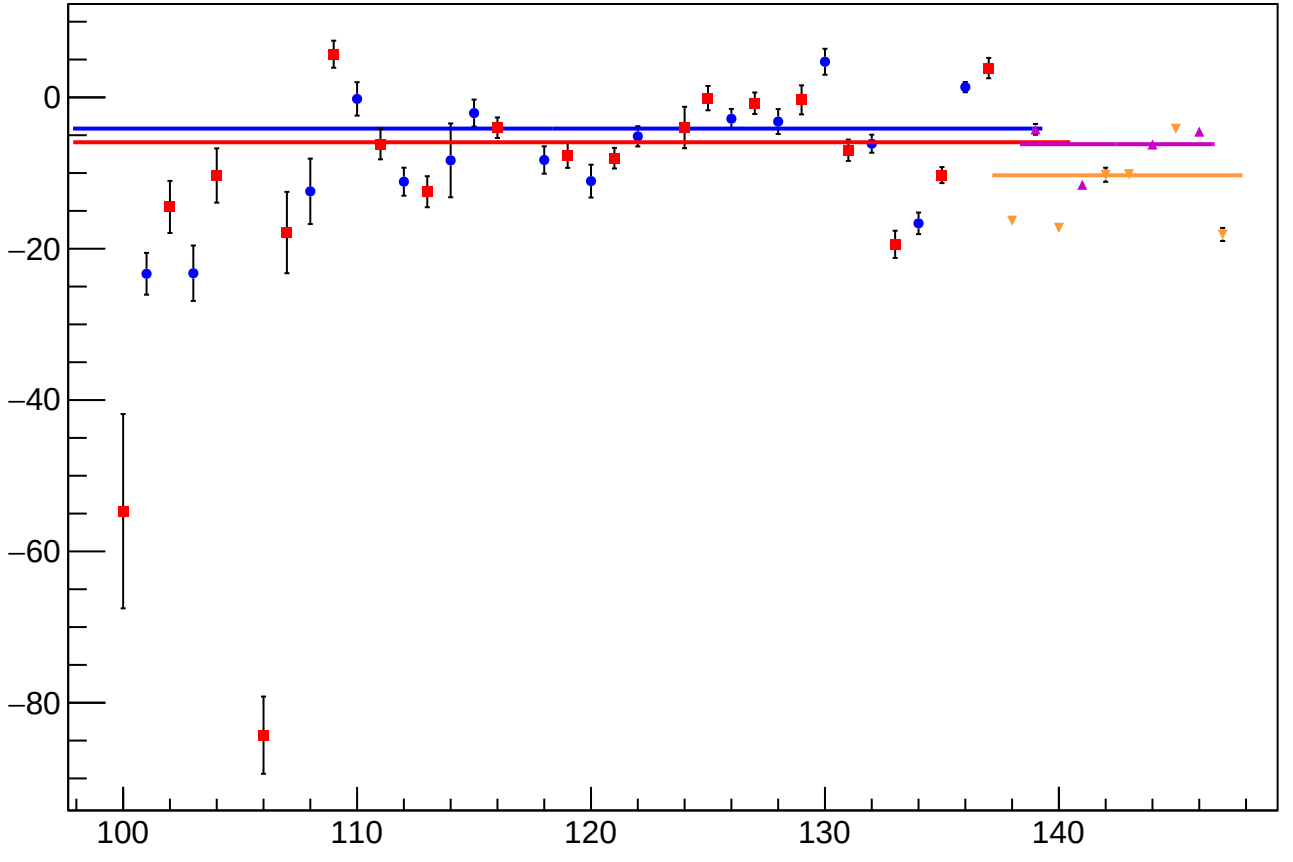
Left In: -0.099+/-0.006 χ^2/NDF:156.0/3

+ sign -0.102+/-0.005 χ^2/NDF: 877.7/21

All: -0.124+/-0.004 χ^2/NDF: 2147.4/44

- sign -0.146+/-0.005 χ^2/NDF: 1233.5/22

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.299+/-0.238 χ^2/NDF:600.6/5

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

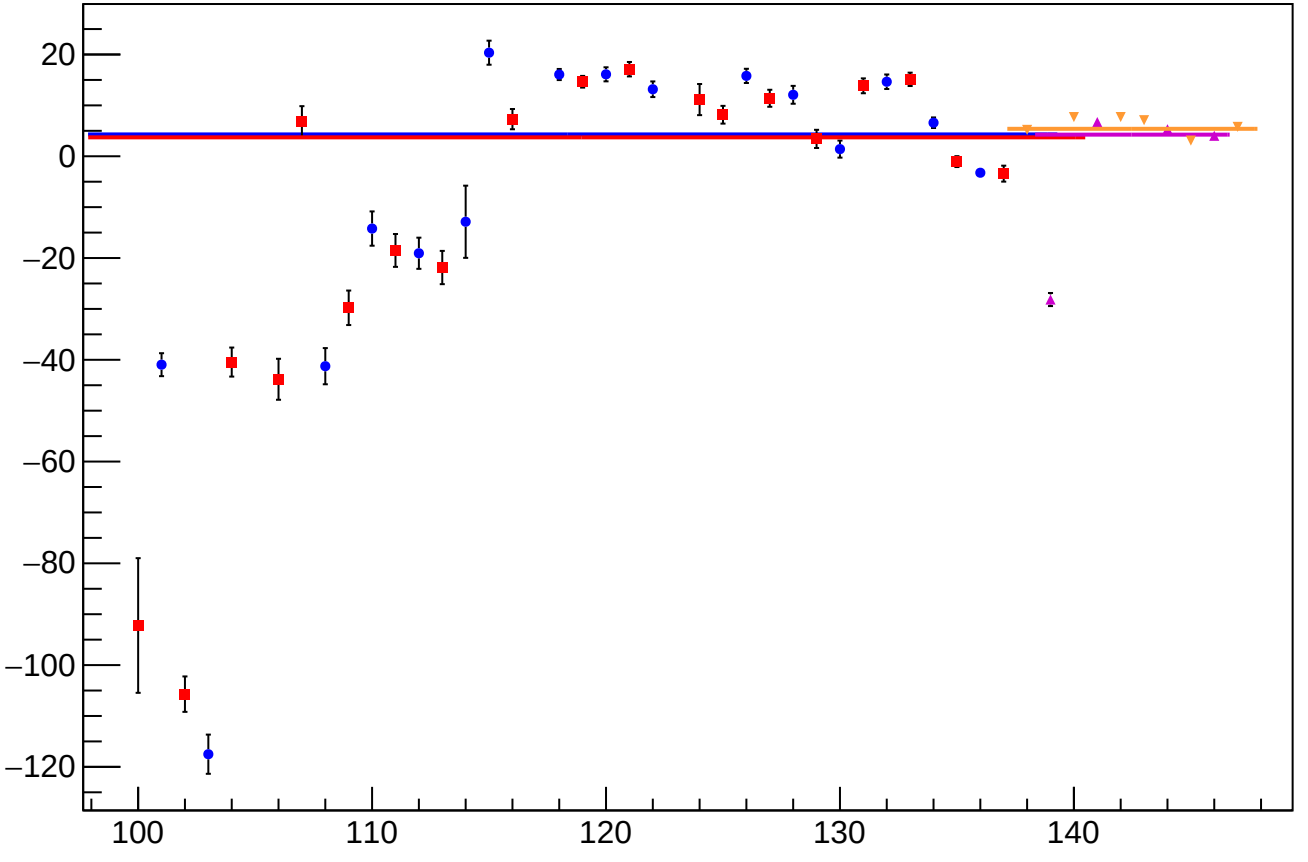
Left In: -6.186+/-0.248 χ^2/NDF:97.2/3

+ sign -8.573+/-0.202 χ^2/NDF: 1077.1/21

All: -7.403+/-0.146 χ^2/NDF: 1727.8/44

- sign -6.117+/-0.212 χ^2/NDF: 580.2/22

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.395+/-0.177 χ^2/NDF:113.9/5

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

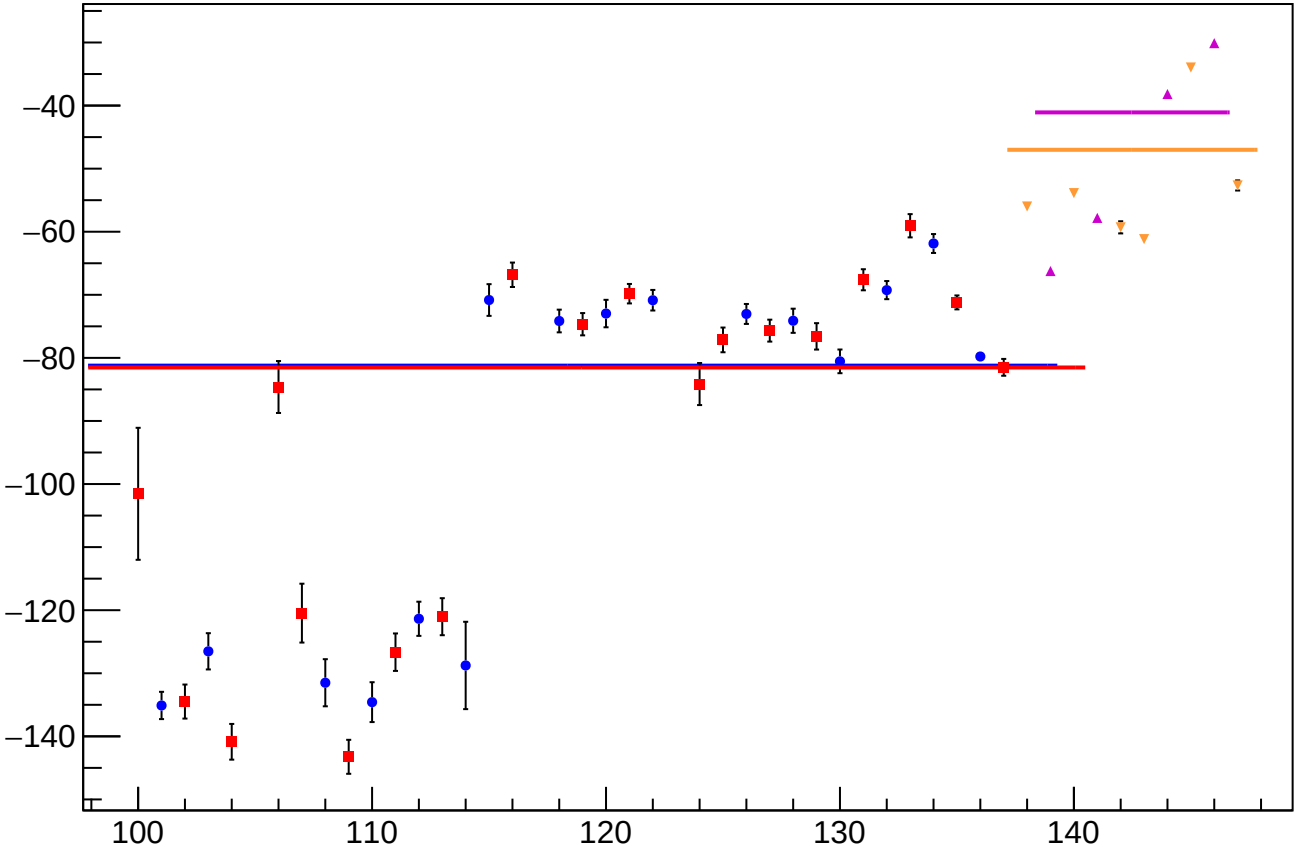
Left In: 4.250+/-0.176 χ^2/NDF:677.5/3

+ sign 5.203+/-0.161 χ^2/NDF: 2289.8/21

All: 4.693+/-0.114 χ^2/NDF: 4996.3/44

- sign 4.171+/-0.163 χ^2/NDF: 2686.1/22

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.011+/-0.243 χ^2/NDF:2142.0/5

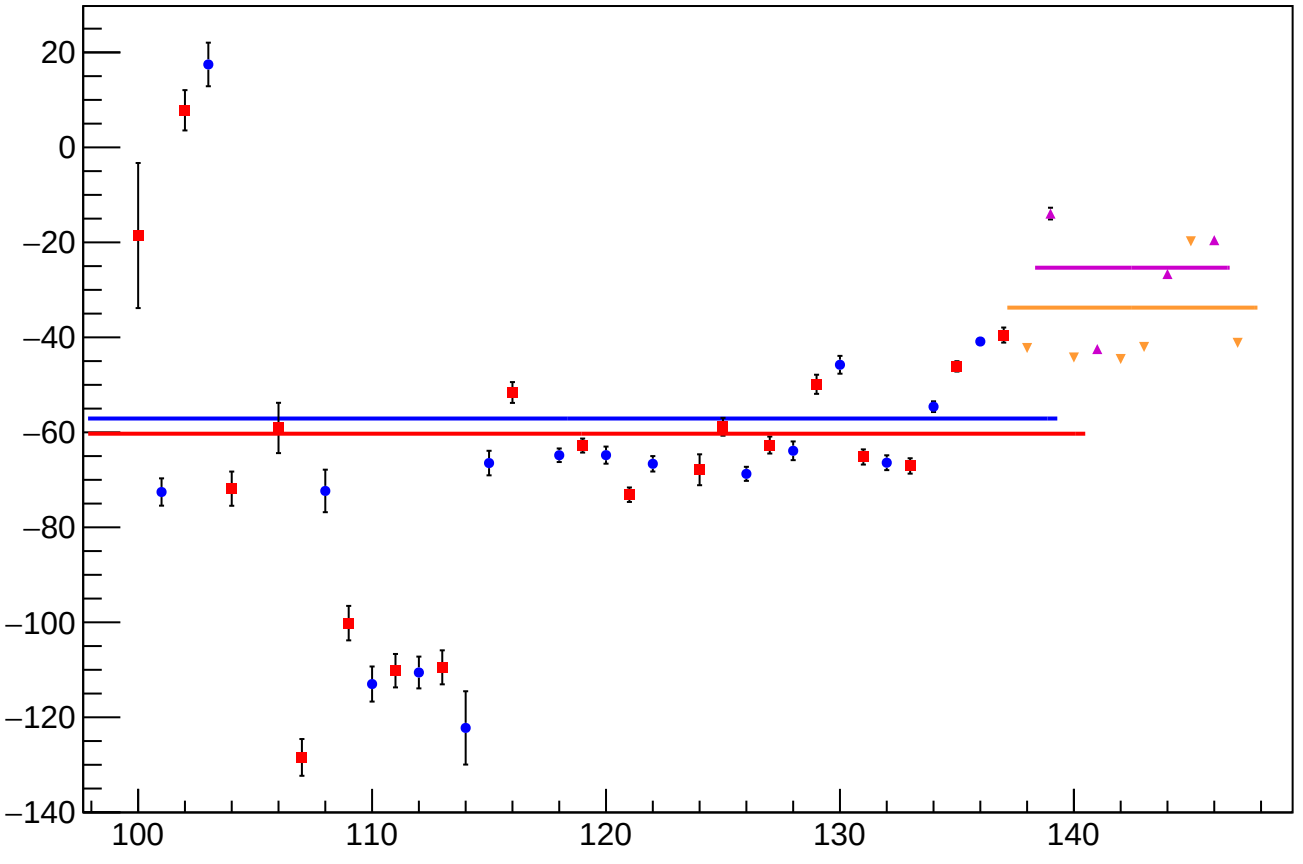
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.084+/-0.249 χ^2/NDF:2659.9/3

+ sign -55.715+/-0.210 χ^2/NDF: 9138.5/21

All: -53.074+/-0.152 χ^2/NDF: 20365.3/44

- sign -50.202+/-0.219 χ^2/NDF: 10897.4/22



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.739+/-0.213 χ^2/NDF:2796.3/5

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

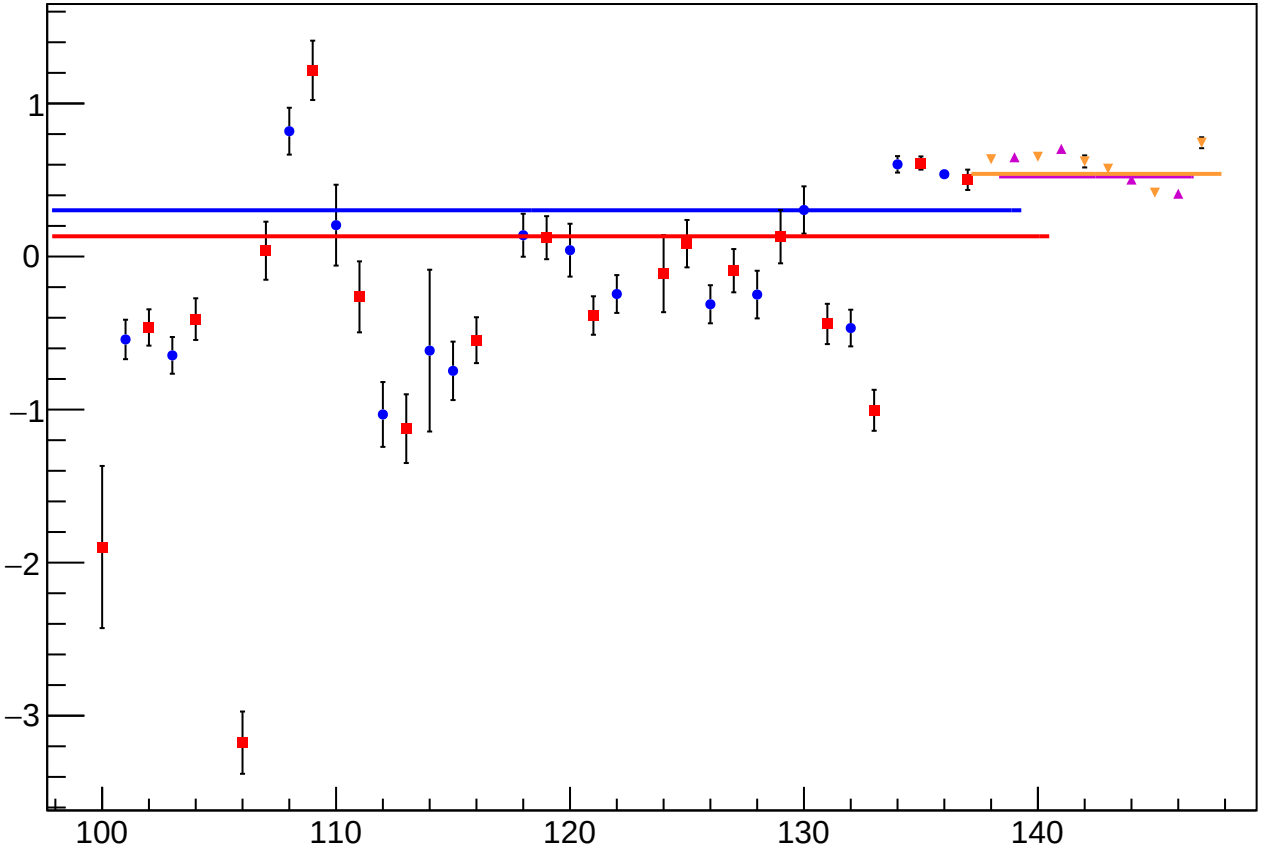
Left In: -25.334+/-0.212 χ^2/NDF:1441.5/3

+ sign -38.406+/-0.190 χ^2/NDF: 6730.0/21

All: -34.890+/-0.136 χ^2/NDF: 15046.5/44

- sign -31.256+/-0.193 χ^2/NDF: 7622.4/22

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.540+/-0.010 χ^2/NDF:135.8/5

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

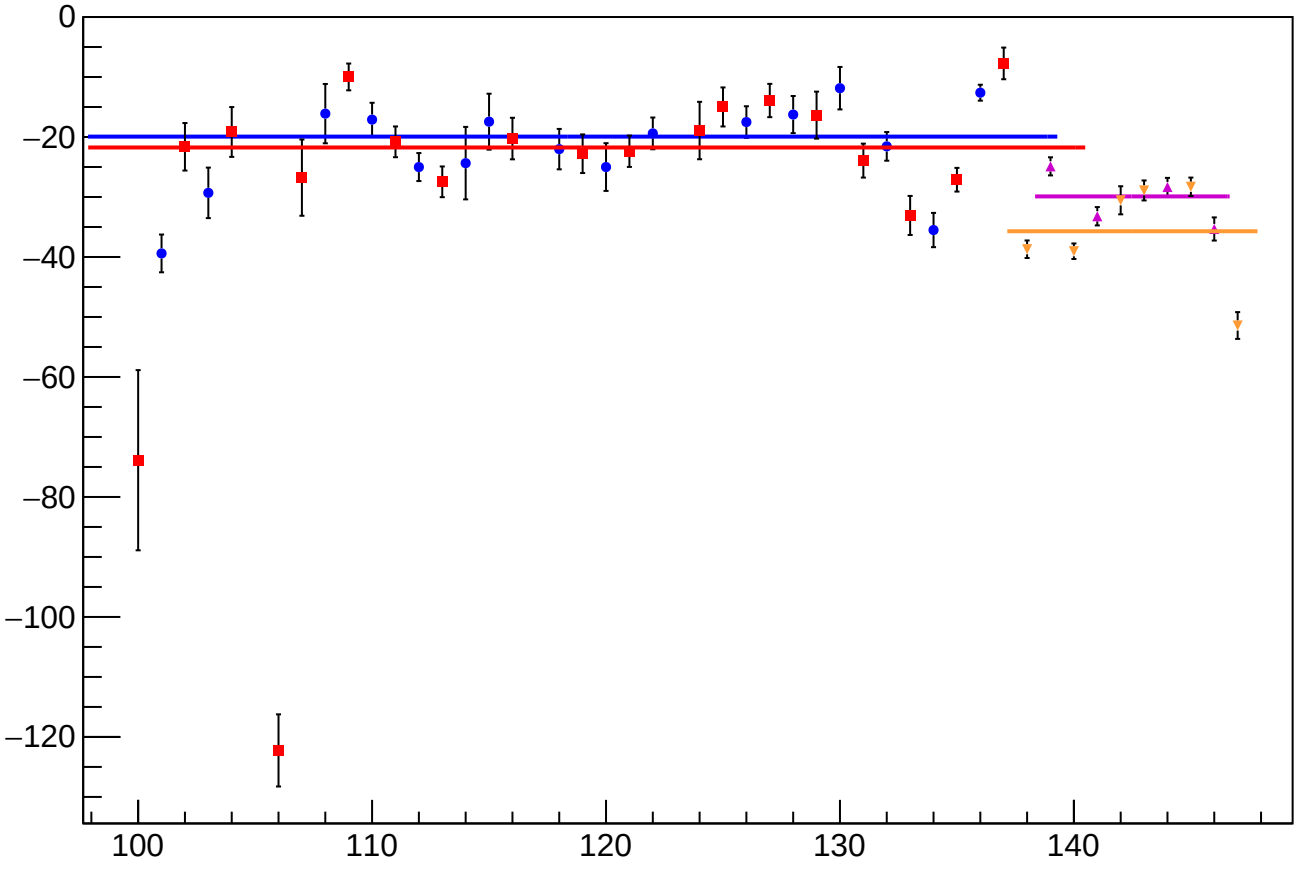
Left In: 0.523+/-0.011 χ^2/NDF:113.3/3

+ sign 0.502+/-0.009 χ^2/NDF: 600.8/21

All: 0.487+/-0.007 χ^2/NDF: 1580.3/44

- sign 0.470+/-0.010 χ^2/NDF: 973.9/22

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.709+/-0.669 χ^2/NDF:105.2/5

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

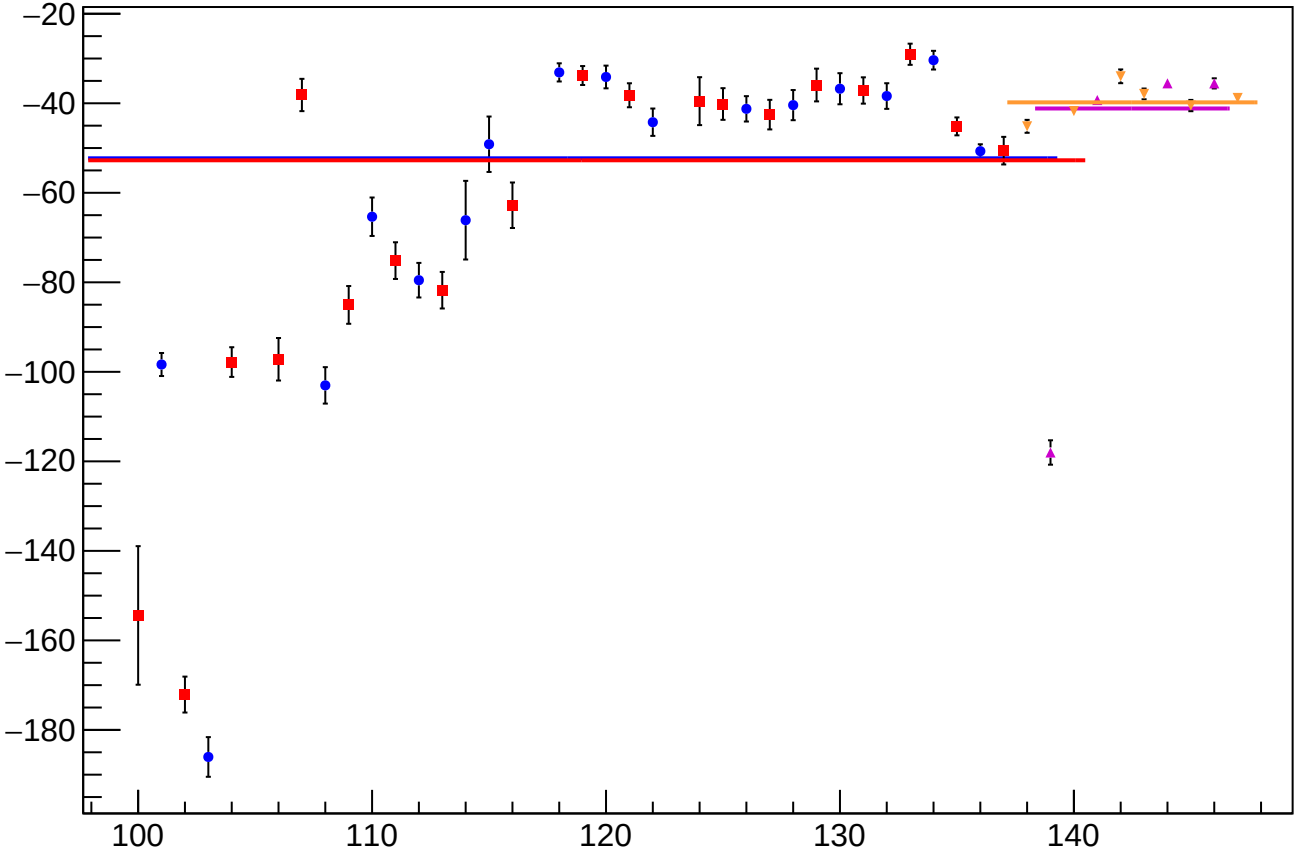
Left In: -29.901+/-0.798 χ^2/NDF:24.7/3

+ sign -28.118+/-0.482 χ^2/NDF: 493.2/21

All: -26.879+/-0.357 χ^2/NDF: 978.9/44

- sign -25.368+/-0.532 χ^2/NDF: 471.0/22

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.795+/-0.499 χ^2/NDF:35.0/5

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

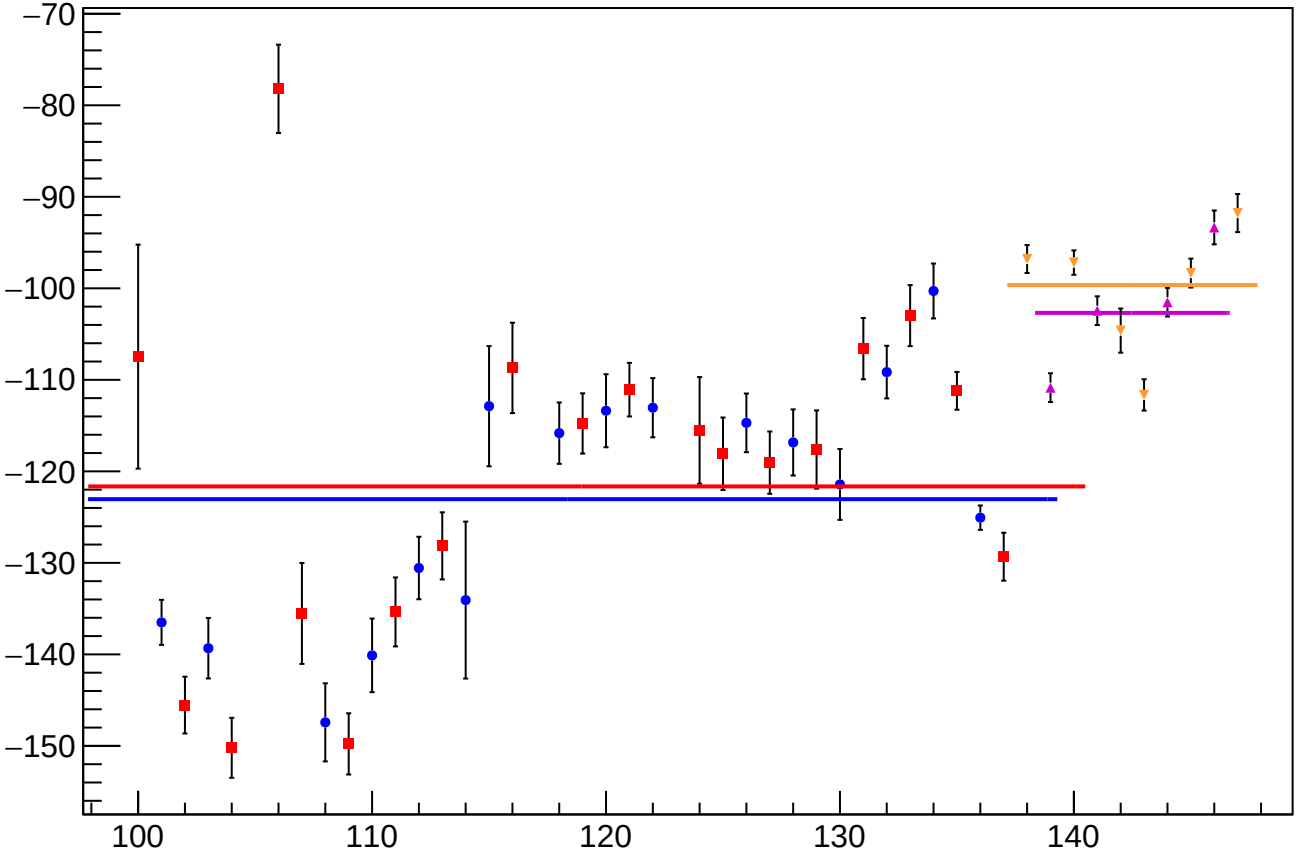
Left In: -41.164+/-0.631 χ^2/NDF:846.9/3

+ sign -43.939+/-0.408 χ^2/NDF: 2021.6/21

All: -44.789+/-0.311 χ^2/NDF: 4681.2/44

- sign -45.978+/-0.483 χ^2/NDF: 2649.2/22

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.641+/-0.684 χ^2/NDF:75.2/5

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

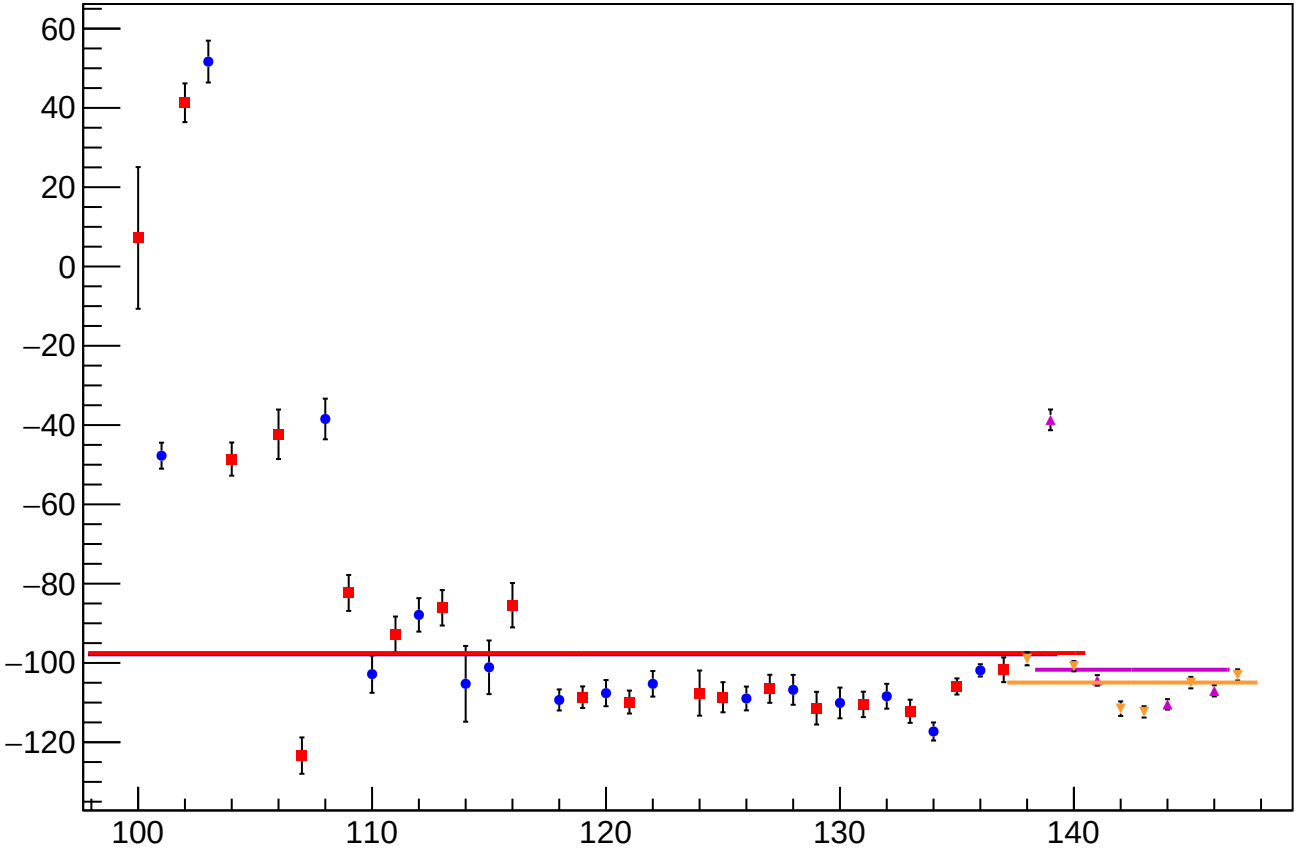
Left In: -102.685+/-0.814 χ^2/NDF:53.0/3

+ sign -110.265+/-0.505 χ^2/NDF: 833.4/21

All: -111.163+/-0.378 χ^2/NDF: 1593.9/44

- sign -112.310+/-0.571 χ^2/NDF: 753.3/22

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -104.942+/-0.605 χ^2/NDF:64.9/5

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

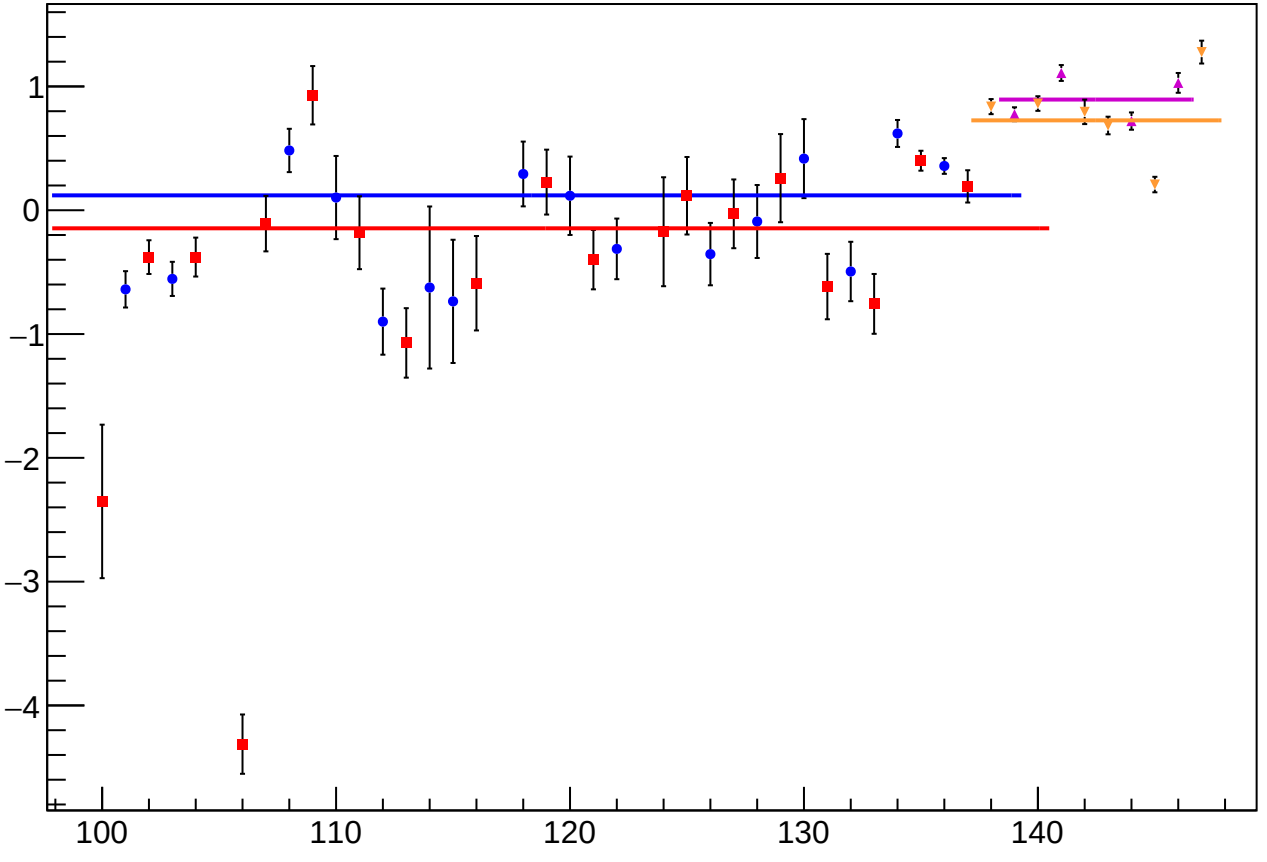
Left In: -101.709+/-0.748 χ^2/NDF:643.1/3

+ sign -102.320+/-0.481 χ^2/NDF: 1446.8/21

All: -101.273+/-0.365 χ^2/NDF: 3351.5/44

- sign -99.856+/-0.559 χ^2/NDF: 1893.5/22

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.726+/-0.029 χ^2/NDF:113.7/5

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

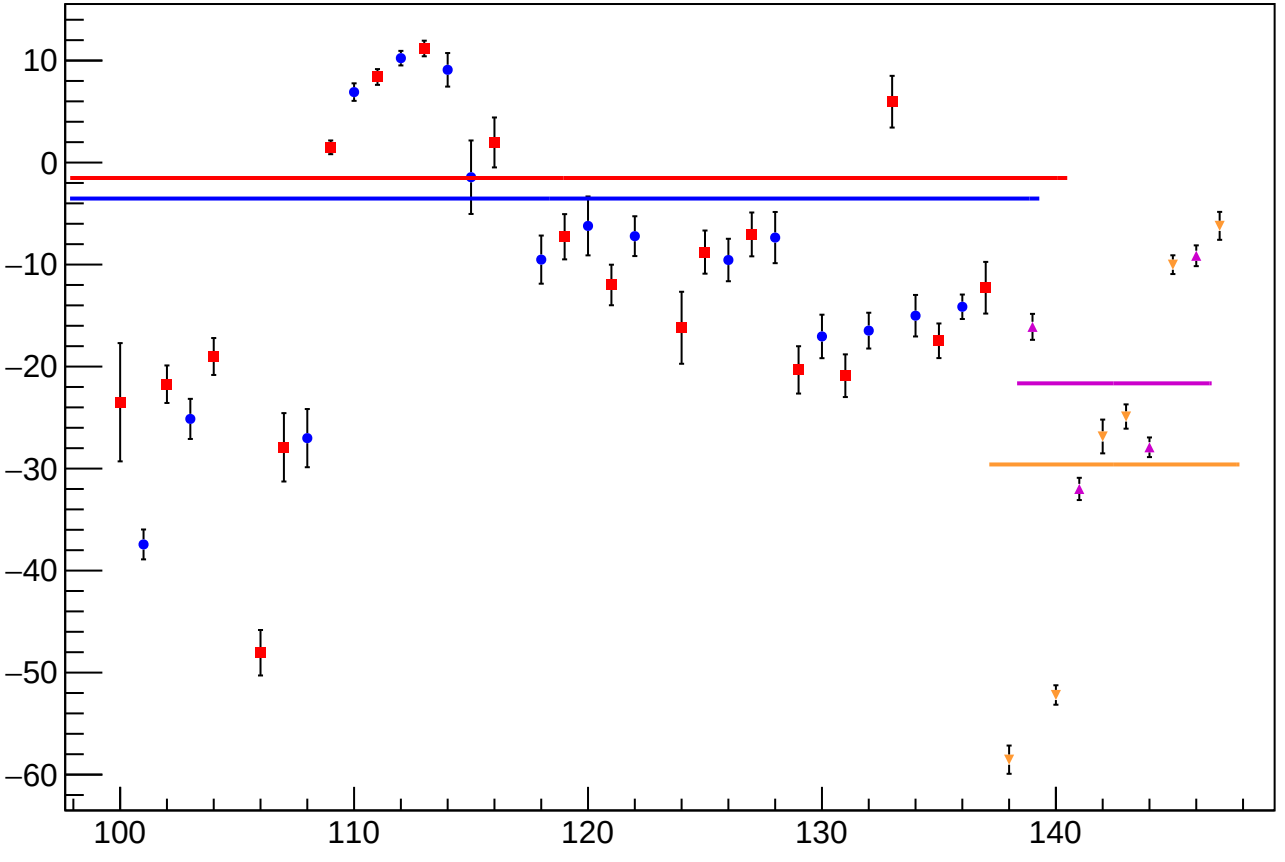
Left In: 0.894+/-0.033 χ^2/NDF:24.7/3

+ sign 0.530+/-0.023 χ^2/NDF: 383.6/21

All: 0.530+/-0.018 χ^2/NDF: 1178.3/44

- sign 0.530+/-0.027 χ^2/NDF: 794.7/22

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.596+/-0.476 χ^2/NDF:1762.3/5

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

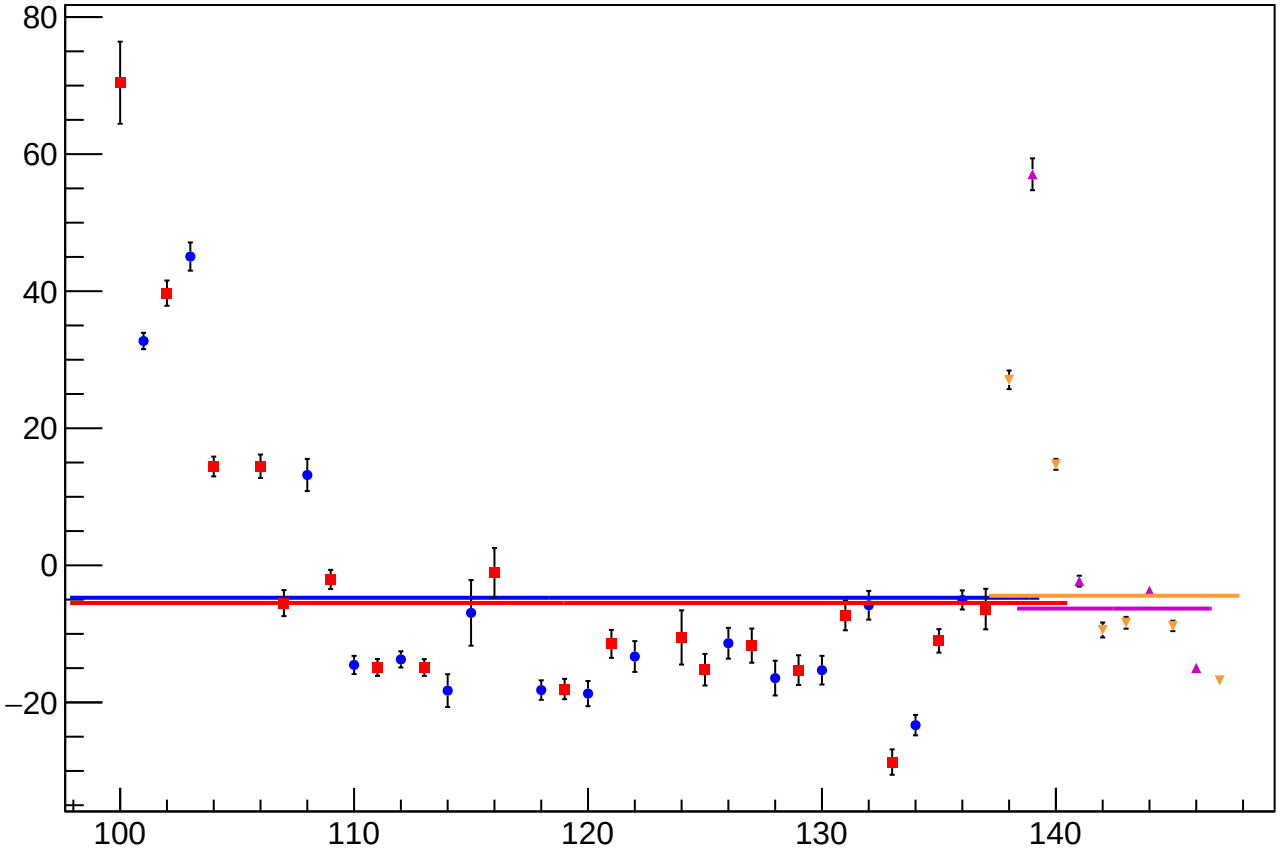
Left In: -21.644+/-0.535 χ^2/NDF:302.1/3

+ sign -13.560+/-0.296 χ^2/NDF: 5133.8/21

All: -10.314+/-0.205 χ^2/NDF: 8206.7/44

- sign -7.274+/-0.286 χ^2/NDF: 2839.2/22

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.436+/-0.342 χ^2/NDF:1580.8/5

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

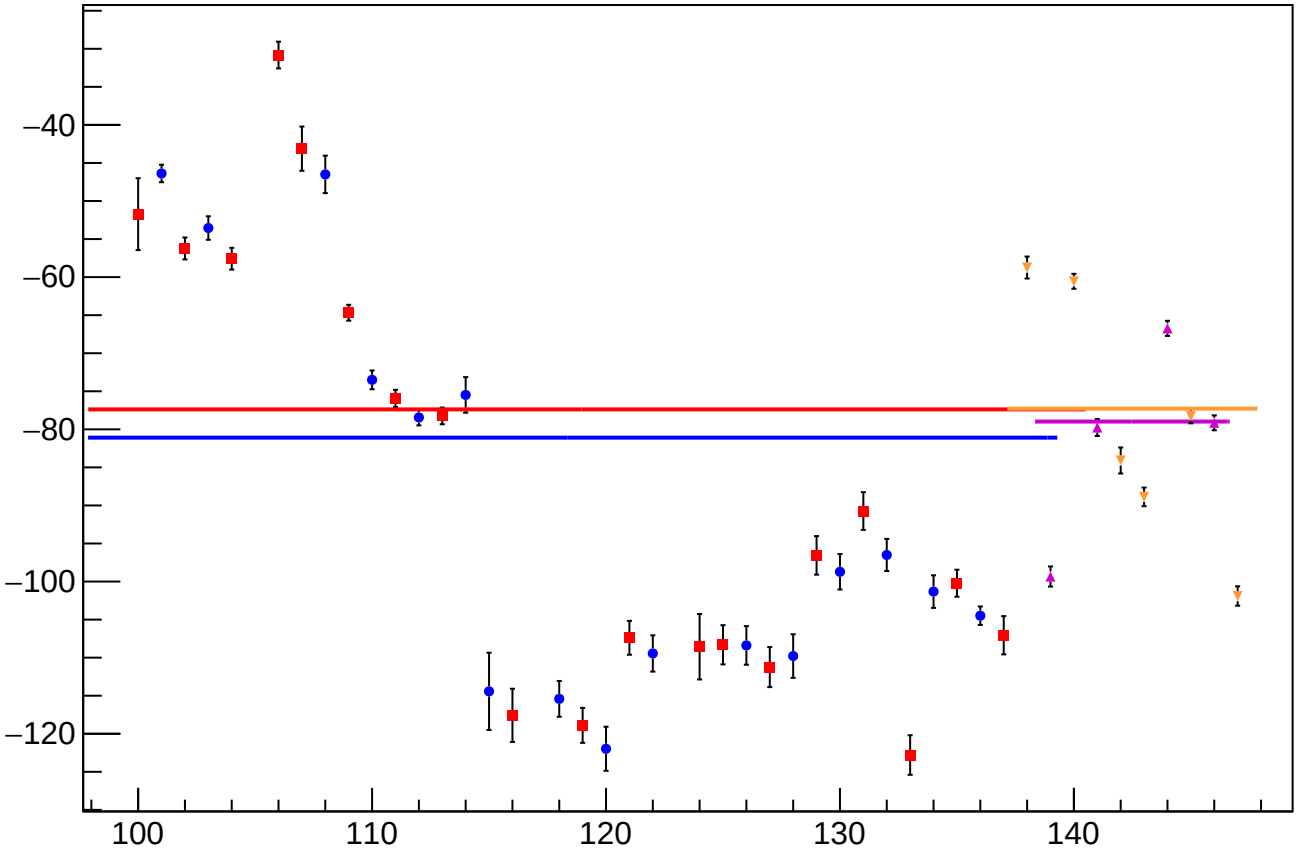
Left In: -6.306+/-0.395 χ^2/NDF:983.0/3

+ sign -4.549+/-0.268 χ^2/NDF: 3729.0/21

All: -5.187+/-0.196 χ^2/NDF: 6234.9/44

- sign -5.926+/-0.288 χ^2/NDF: 2493.6/22

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.278+/-0.484 χ^2/NDF:934.0/5

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

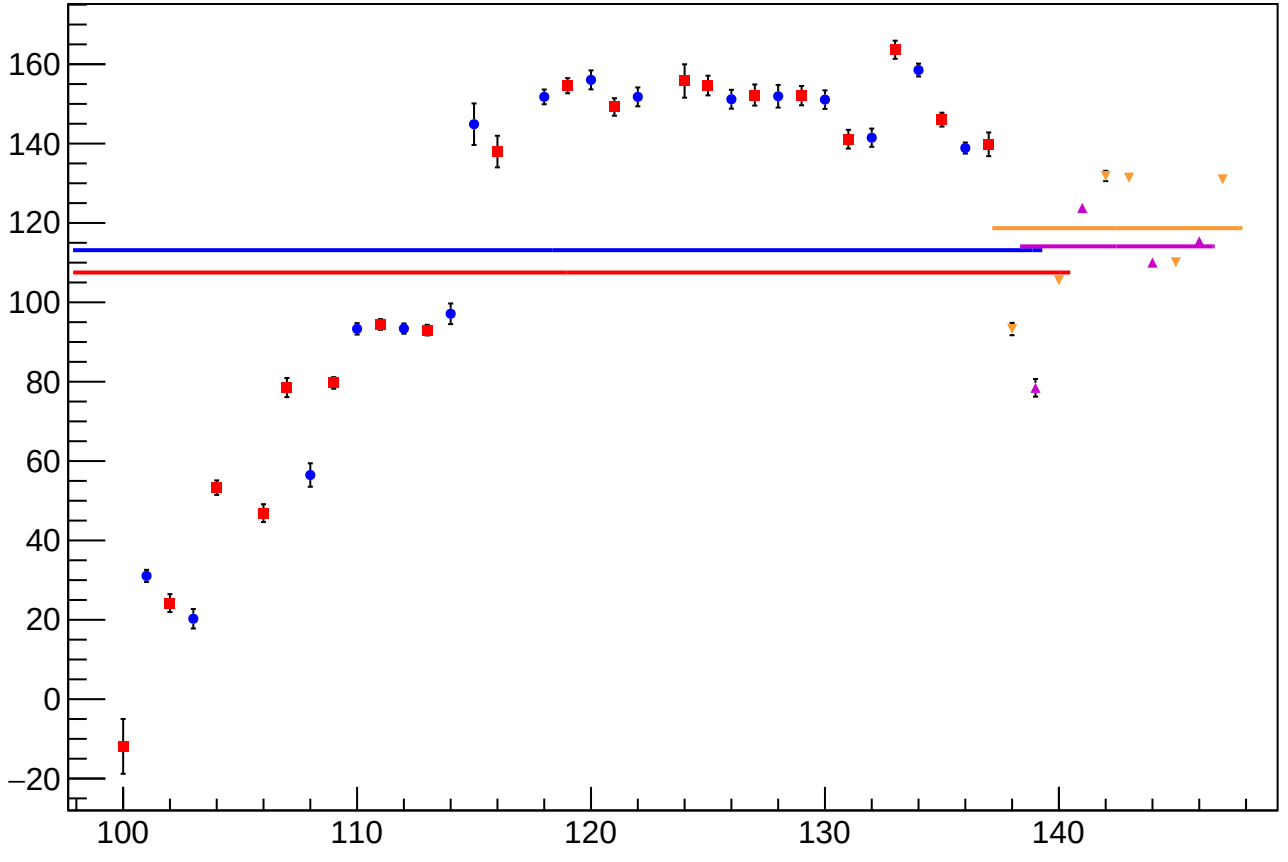
Left In: -78.978+/-0.540 χ^2/NDF:389.0/3

+ sign -79.374+/-0.325 χ^2/NDF: 3838.4/21

All: -78.686+/-0.232 χ^2/NDF: 7371.6/44

- sign -77.976+/-0.330 χ^2/NDF: 3524.1/22

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 118.687+/-0.418 χ^2/NDF:1014.4/5

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

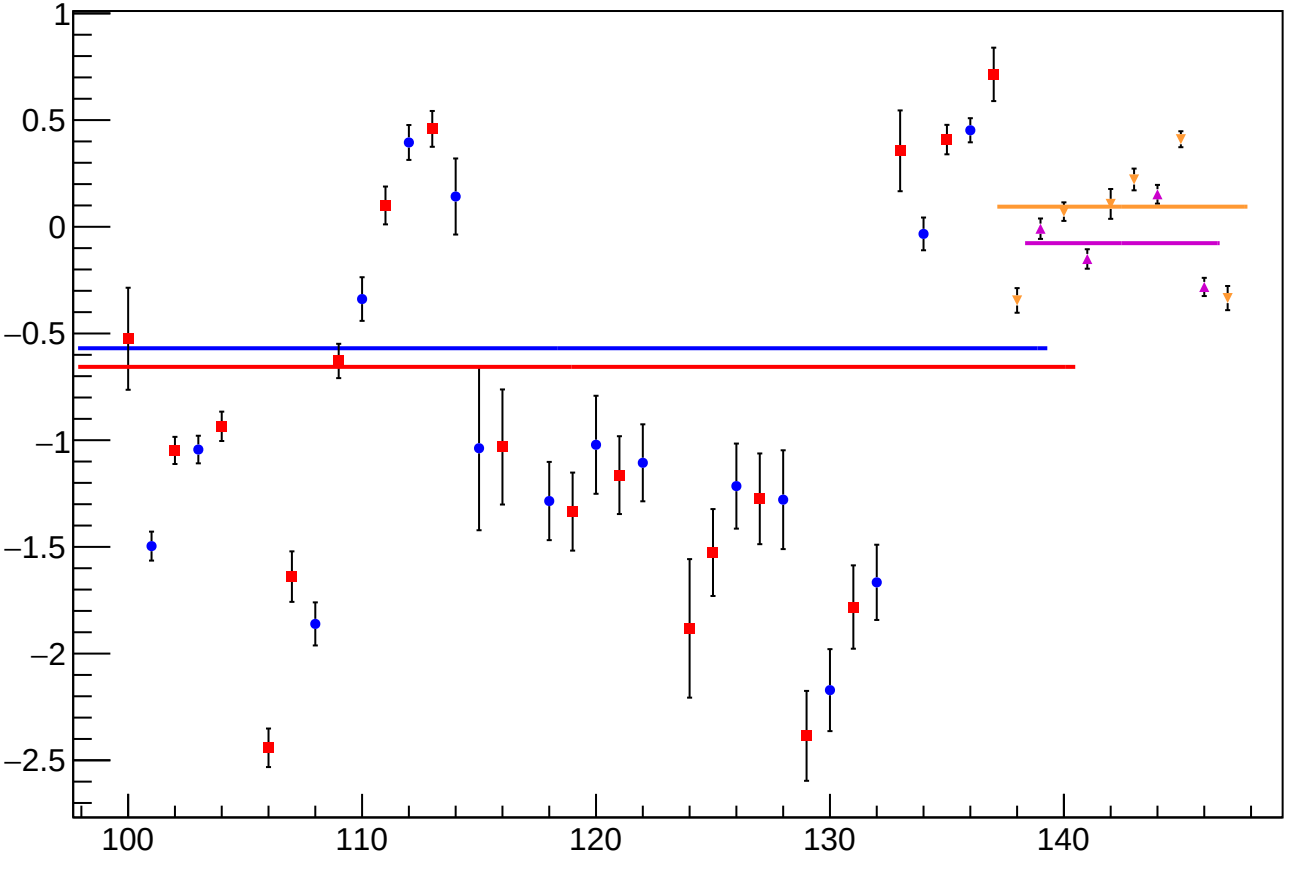
Left In: 114.102+/-0.472 χ^2/NDF:387.0/3

+ sign 116.346+/-0.318 χ^2/NDF: 9292.8/21

All: 113.758+/-0.231 χ^2/NDF: 17460.3/44

- sign 110.856+/-0.336 χ^2/NDF: 8026.8/22

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.094+/-0.020 χ^2/NDF:193.2/5

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

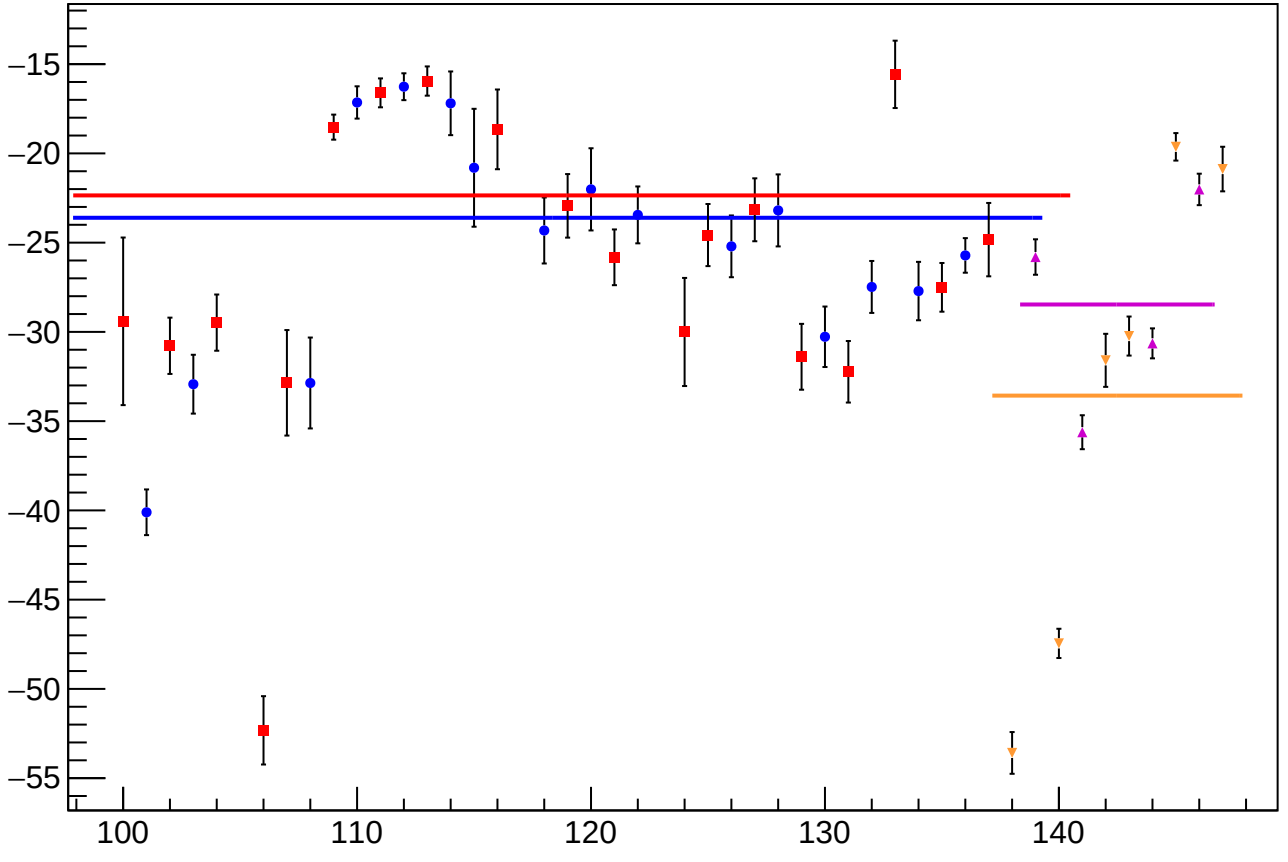
Left In: -0.077+/-0.022 χ^2/NDF:55.0/3

+ sign -0.158+/-0.016 χ^2/NDF: 1700.4/21

All: -0.241+/-0.012 χ^2/NDF: 3422.9/44

- sign -0.333+/-0.017 χ^2/NDF: 1665.2/22

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.569+/-0.414 χ^2/NDF:1021.9/5

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

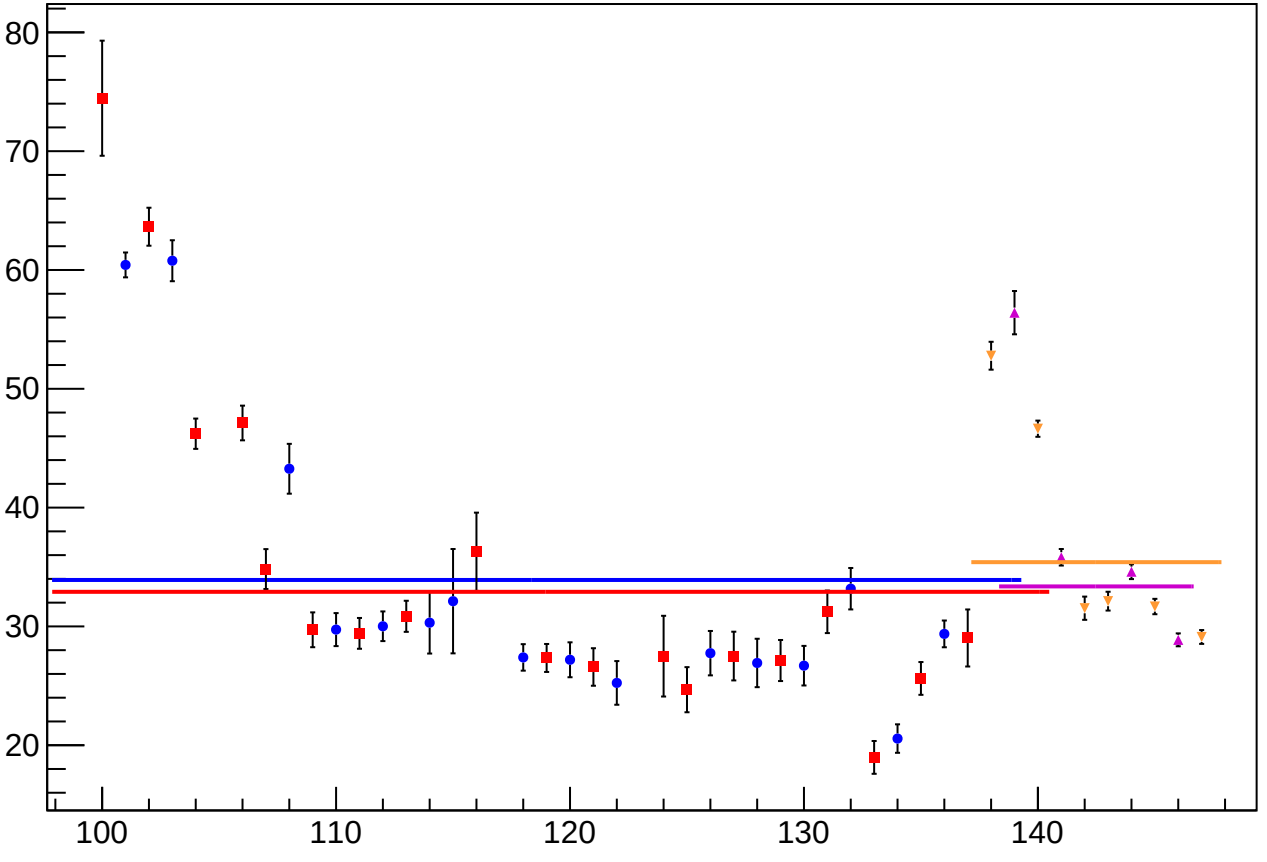
Left In: -28.465+/-0.455 χ^2/NDF:124.0/3

+ sign -27.737+/-0.266 χ^2/NDF: 1767.5/21

All: -26.040+/-0.187 χ^2/NDF: 2643.4/44

- sign -24.390+/-0.263 χ^2/NDF: 795.9/22

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 35.408+/-0.304 χ^2/NDF:673.4/5

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

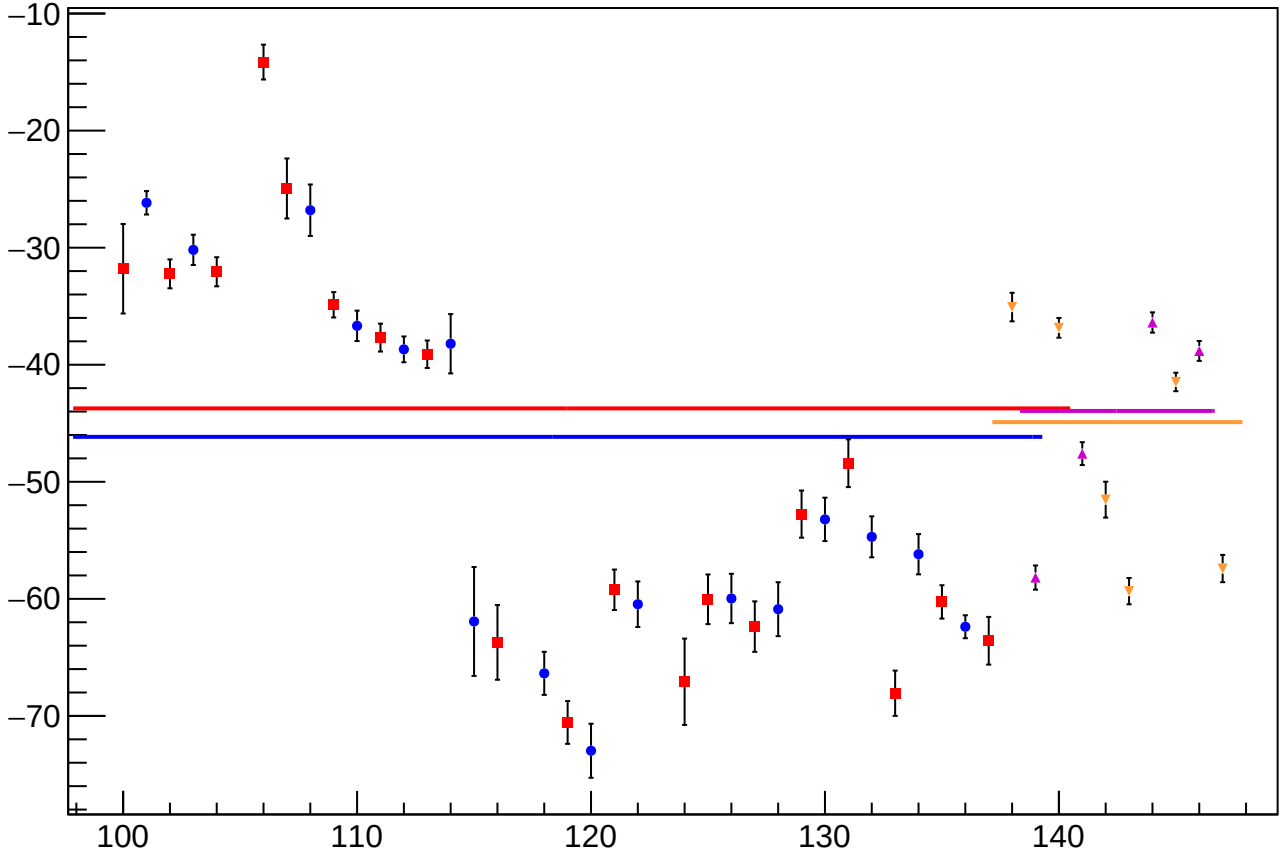
Left In: 33.366+/-0.347 χ^2/NDF:244.6/3

+ sign 34.815+/-0.236 χ^2/NDF: 1867.5/21

All: 34.045+/-0.173 χ^2/NDF: 3010.9/44

- sign 33.155+/-0.254 χ^2/NDF: 1120.4/22

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -44.904+/-0.421 χ^2/NDF:473.9/5

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

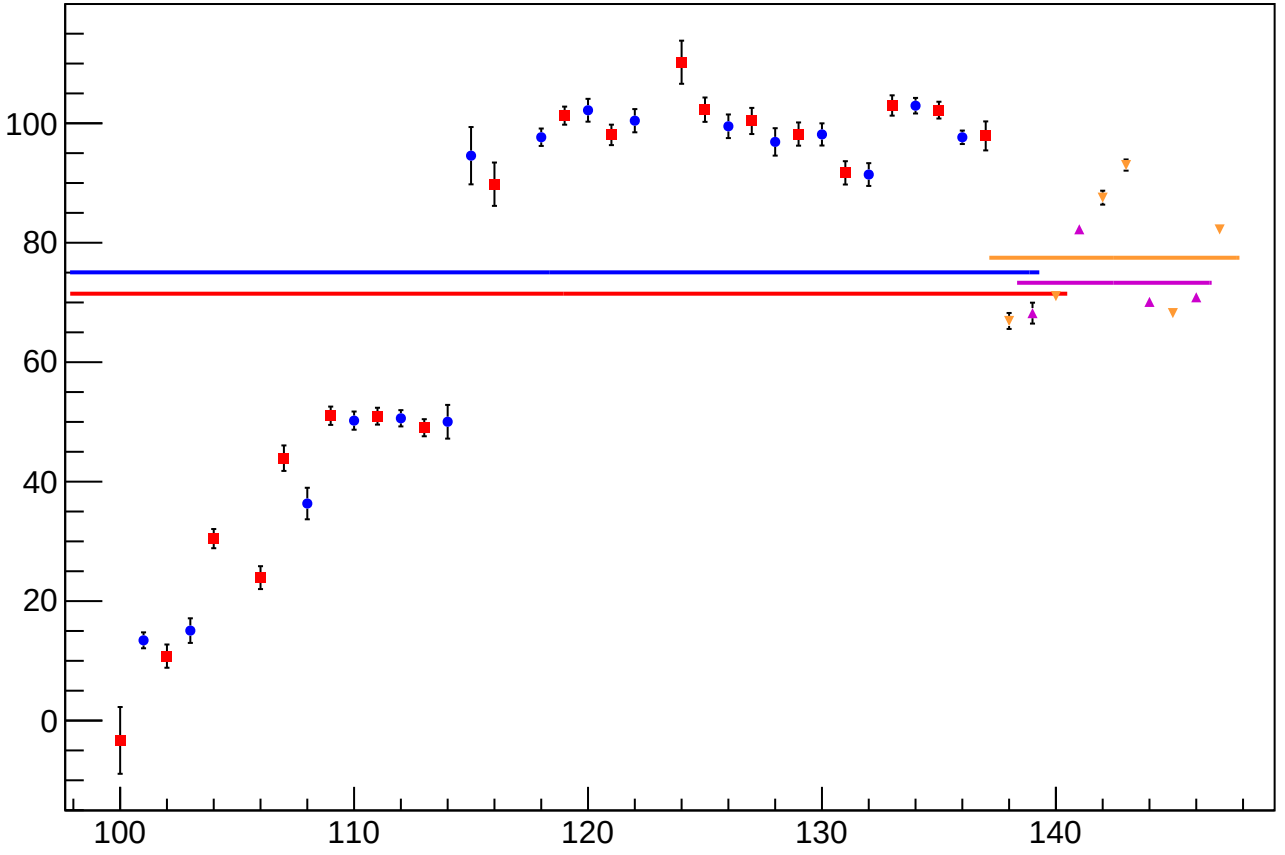
Left In: -43.947+/-0.461 χ^2/NDF:316.7/3

\+ sign -45.581+/-0.286 χ^2/NDF: 1968.3/21

All: -44.718+/-0.204 χ^2/NDF: 3967.1/44

\- sign -43.818+/-0.292 χ^2/NDF: 1980.2/22

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.489+/-0.369 χ^2/NDF:667.4/5

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

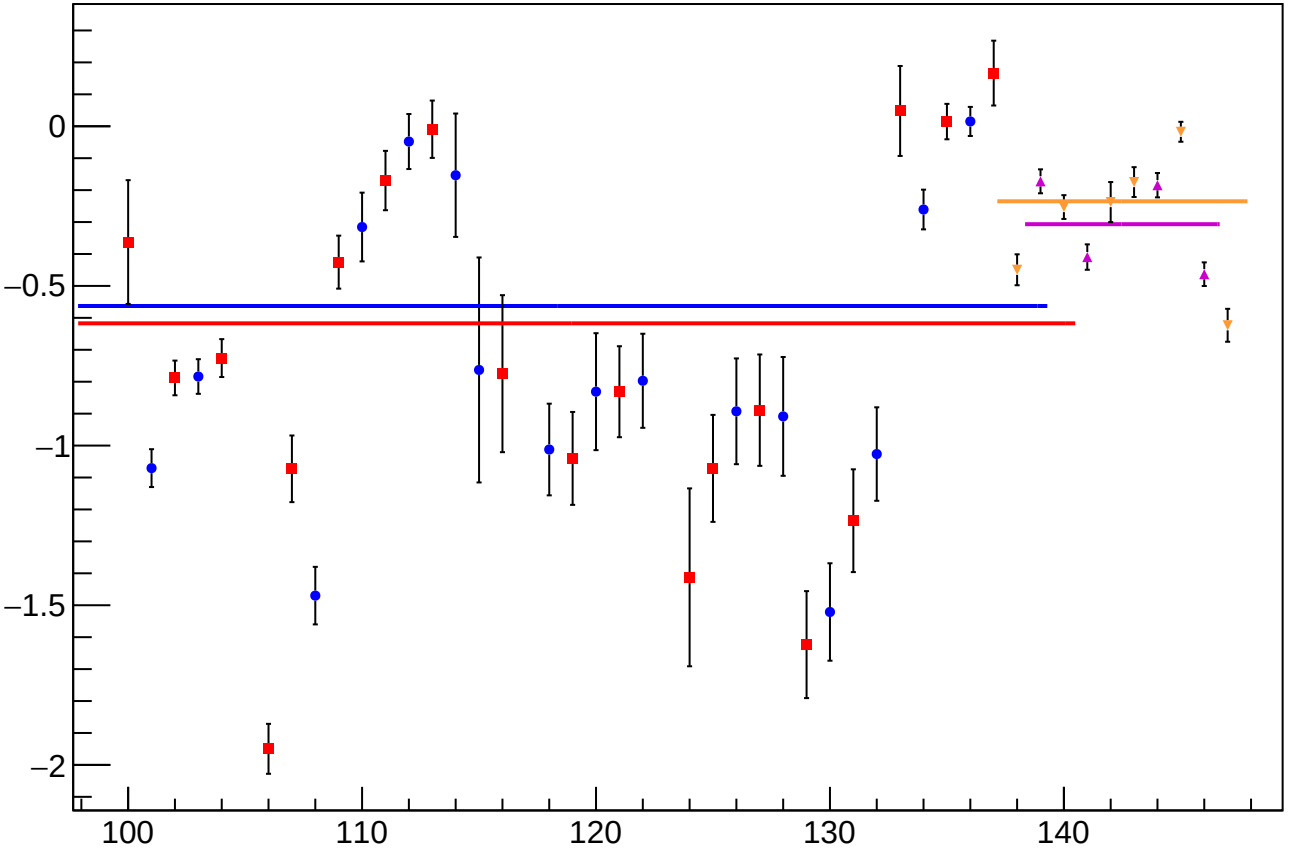
Left In: 73.297+/-0.412 χ^2/NDF:158.2/3

+ sign 76.445+/-0.279 χ^2/NDF: 6514.5/21

All: 74.546+/-0.203 χ^2/NDF: 12408.6/44

- sign 72.413+/-0.296 χ^2/NDF: 5795.9/22

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.235+/-0.018 χ^2/NDF:126.9/5

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

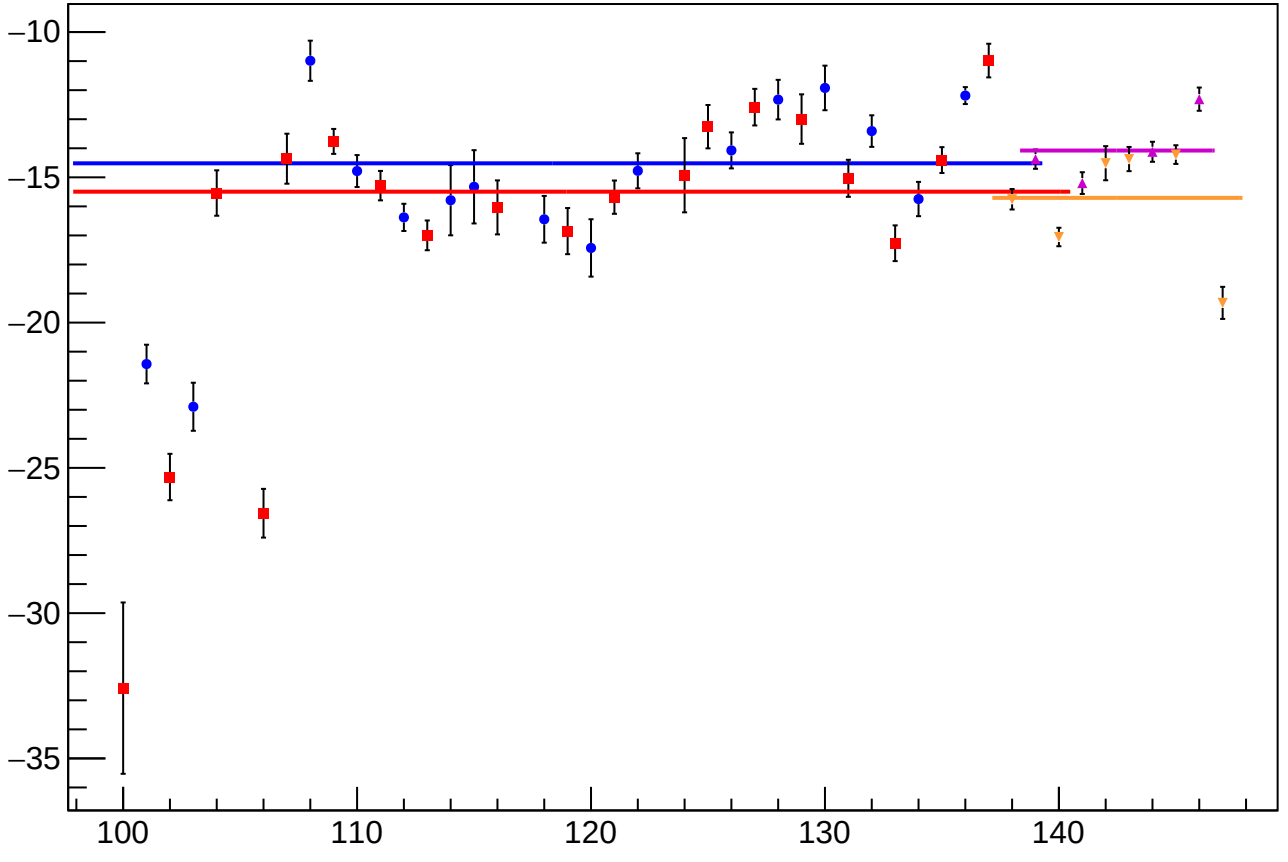
Left In: -0.307+/-0.019 χ^2/NDF:47.7/3

+ sign -0.360+/-0.014 χ^2/NDF: 754.2/21

All: -0.397+/-0.010 χ^2/NDF: 1619.9/44

- sign -0.438+/-0.014 χ^2/NDF: 850.5/22

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: -15.707+/-0.159 χ^2/NDF:96.7/5

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

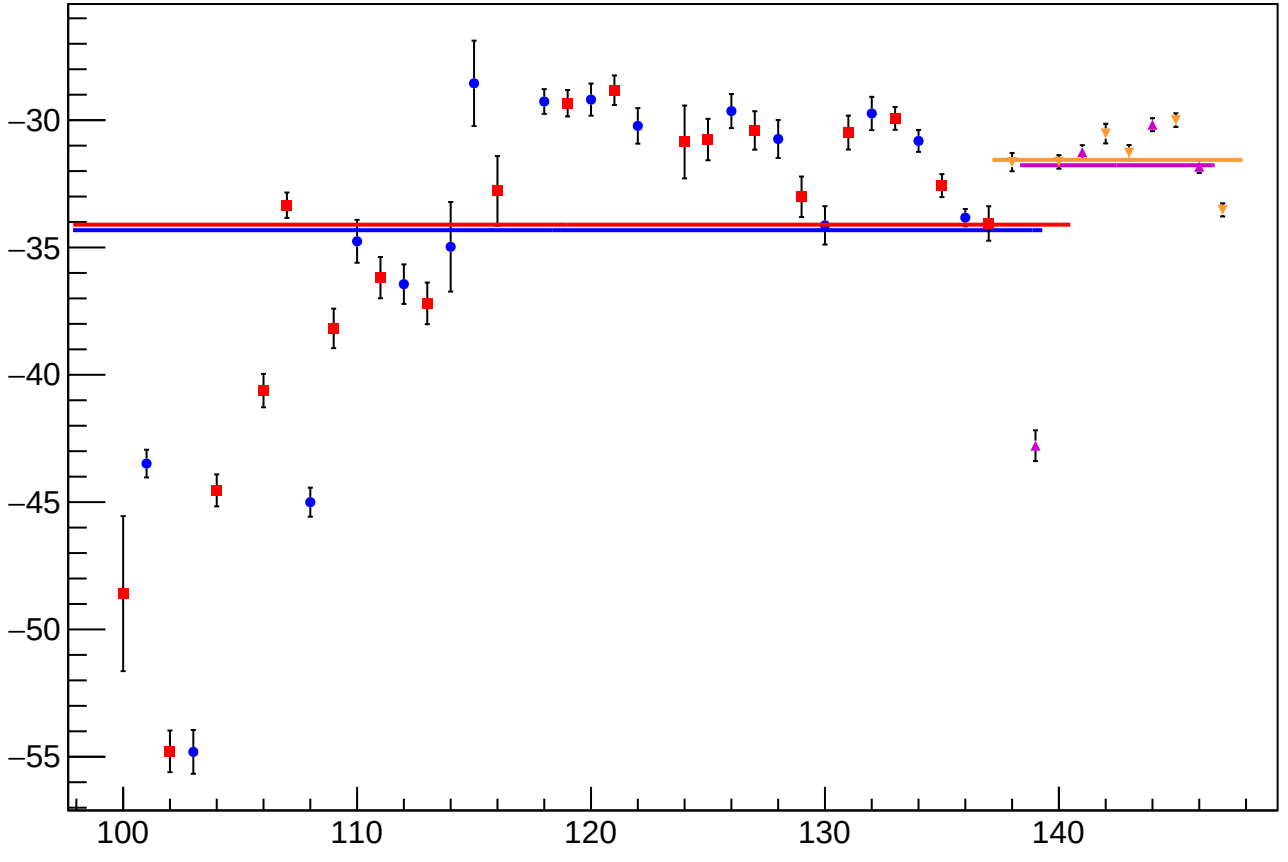
Left In: -14.078+/-0.180 χ^2/NDF:29.4/3

+ sign -15.075+/-0.109 χ^2/NDF: 489.7/21

All: -14.999+/-0.079 χ^2/NDF: 1060.5/44

- sign -14.914+/-0.115 χ^2/NDF: 569.8/22

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: -31.558+/-0.121 χ^2/NDF:100.0/5

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

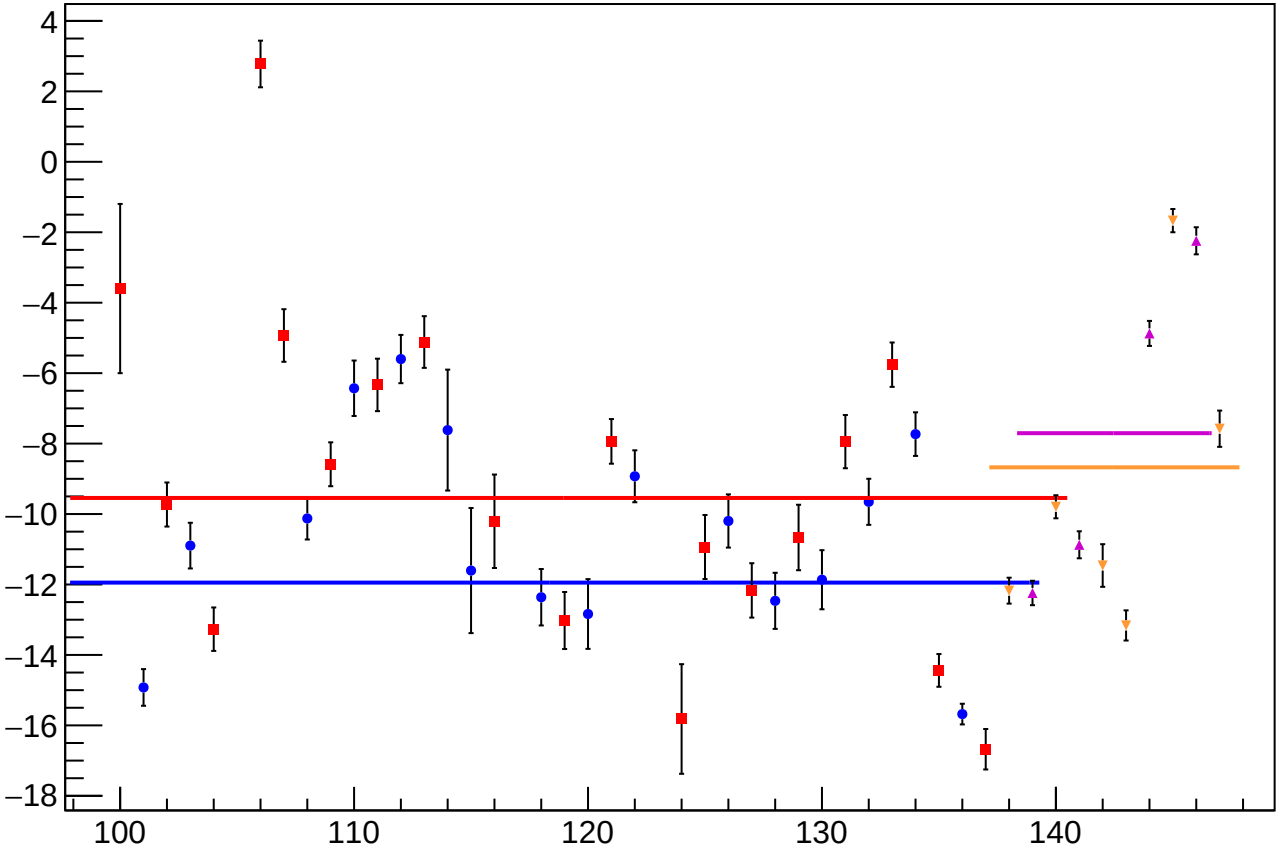
Left In: -31.769+/-0.145 χ^2/NDF:374.5/3

+ sign -32.617+/-0.095 χ^2/NDF: 1920.9/21

All: -32.727+/-0.071 χ^2/NDF: 3855.2/44

- sign -32.863+/-0.105 χ^2/NDF: 1931.3/22

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: -8.674+/-0.163 χ^2/NDF:688.2/5

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

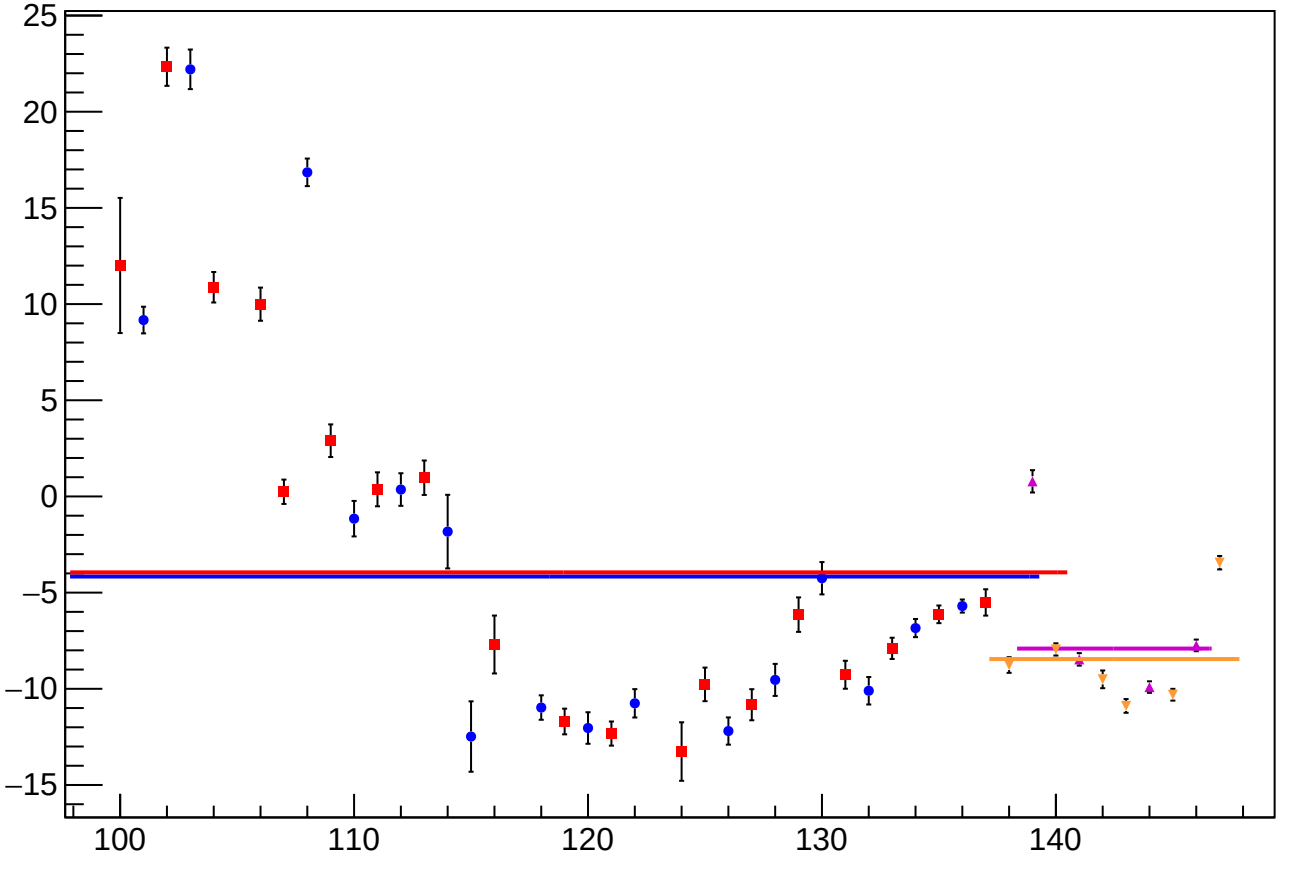
Left In: -7.704+/-0.183 χ^2/NDF:505.1/3

+ sign -10.334+/-0.114 χ^2/NDF: 1324.0/21

All: -9.585+/-0.084 χ^2/NDF: 2824.8/44

- sign -8.719+/-0.123 χ^2/NDF: 1407.8/22

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: -8.453+/-0.145 χ^2/NDF:295.7/5

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

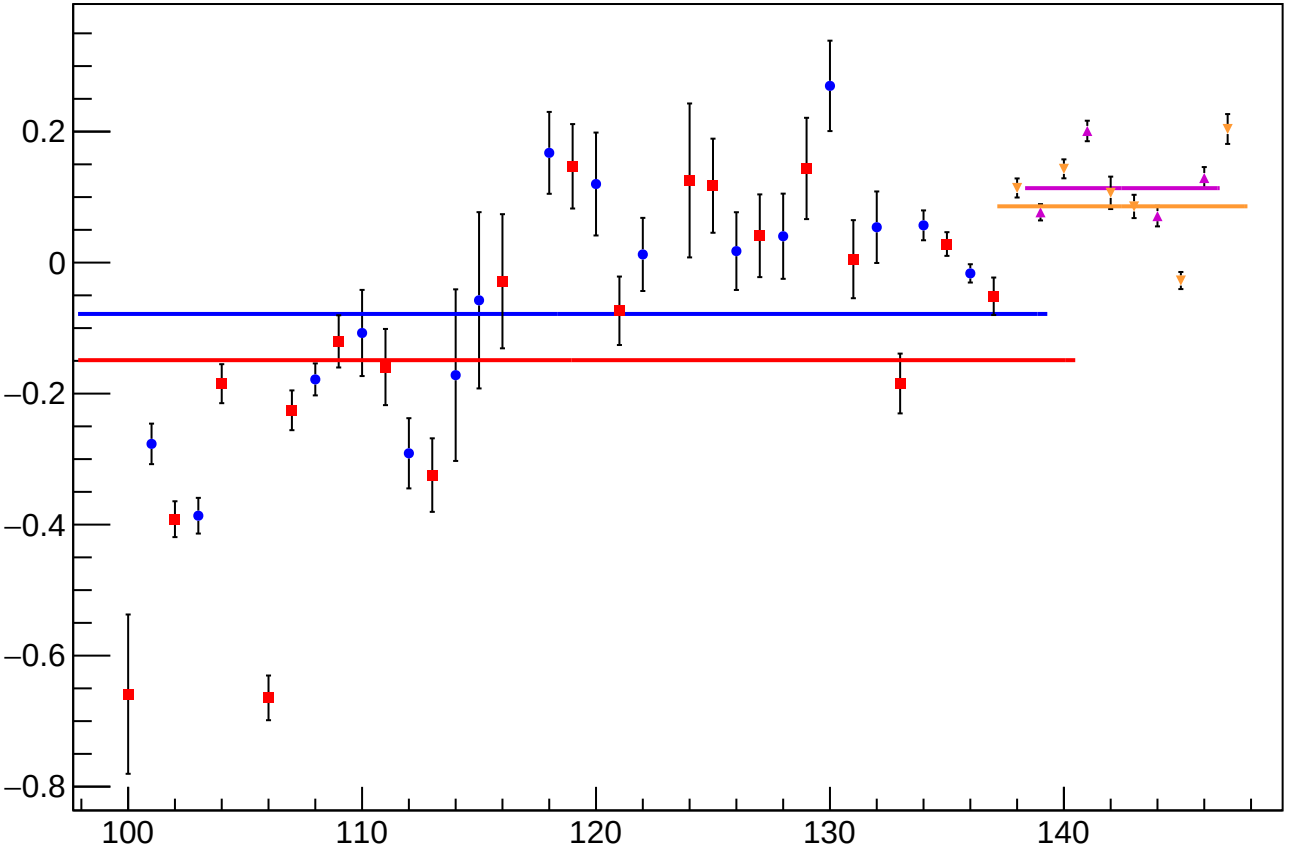
Left In: -7.909+/-0.170 χ^2/NDF:272.8/3

+ sign -6.663+/-0.111 χ^2/NDF: 3183.6/21

All: -6.361+/-0.082 χ^2/NDF: 5844.8/44

- sign -5.993+/-0.122 χ^2/NDF: 2644.8/22

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: 0.086+/-0.007 χ^2/NDF:122.3/5

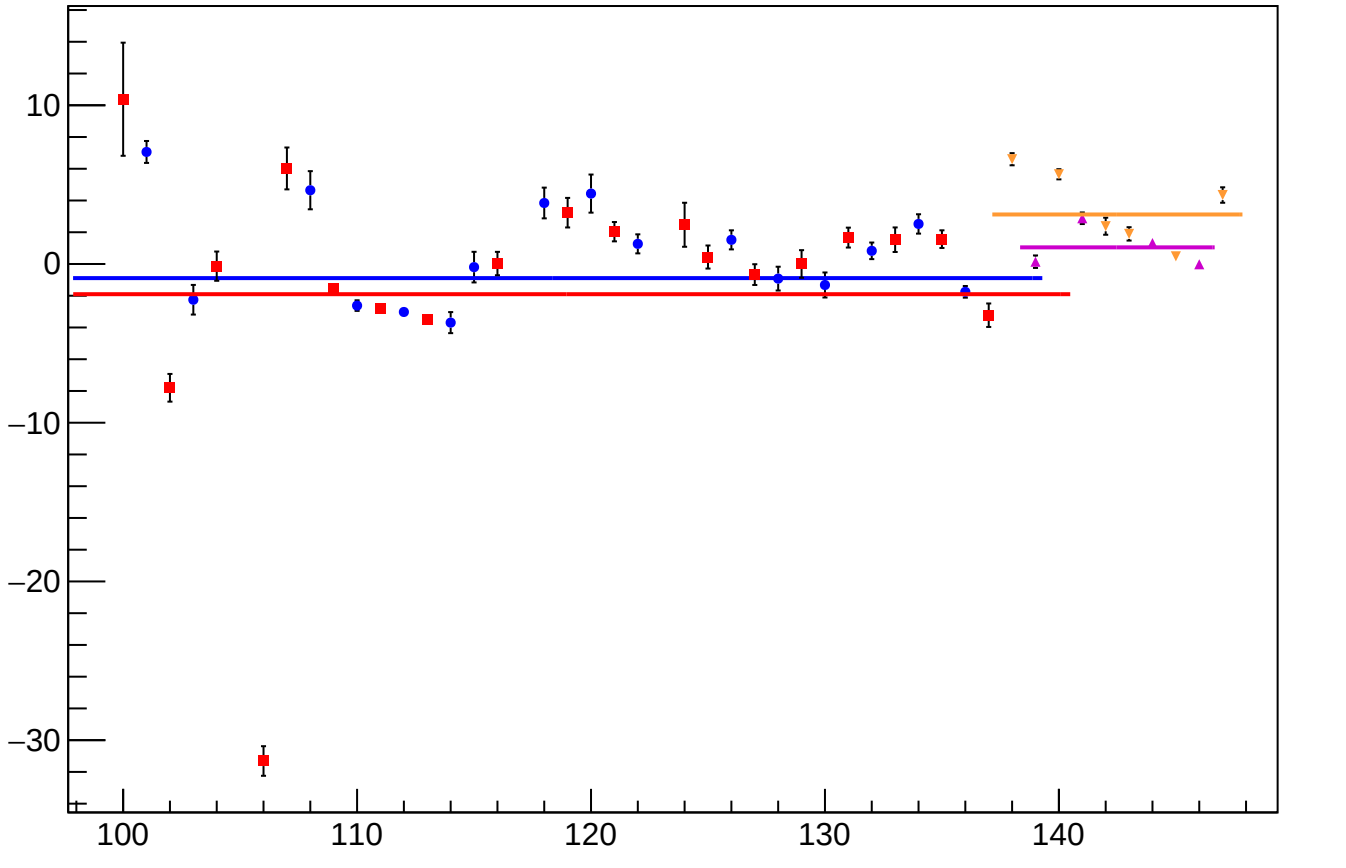
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.2/3

+ sign 0.023+/-0.005 χ^2/NDF: 668.5/21

All: 0.017+/-0.004 χ^2/NDF: 1747.5/44

- sign 0.009+/-0.006 χ^2/NDF: 1075.4/22



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.120+/-0.147 χ^2/NDF:277.8/5

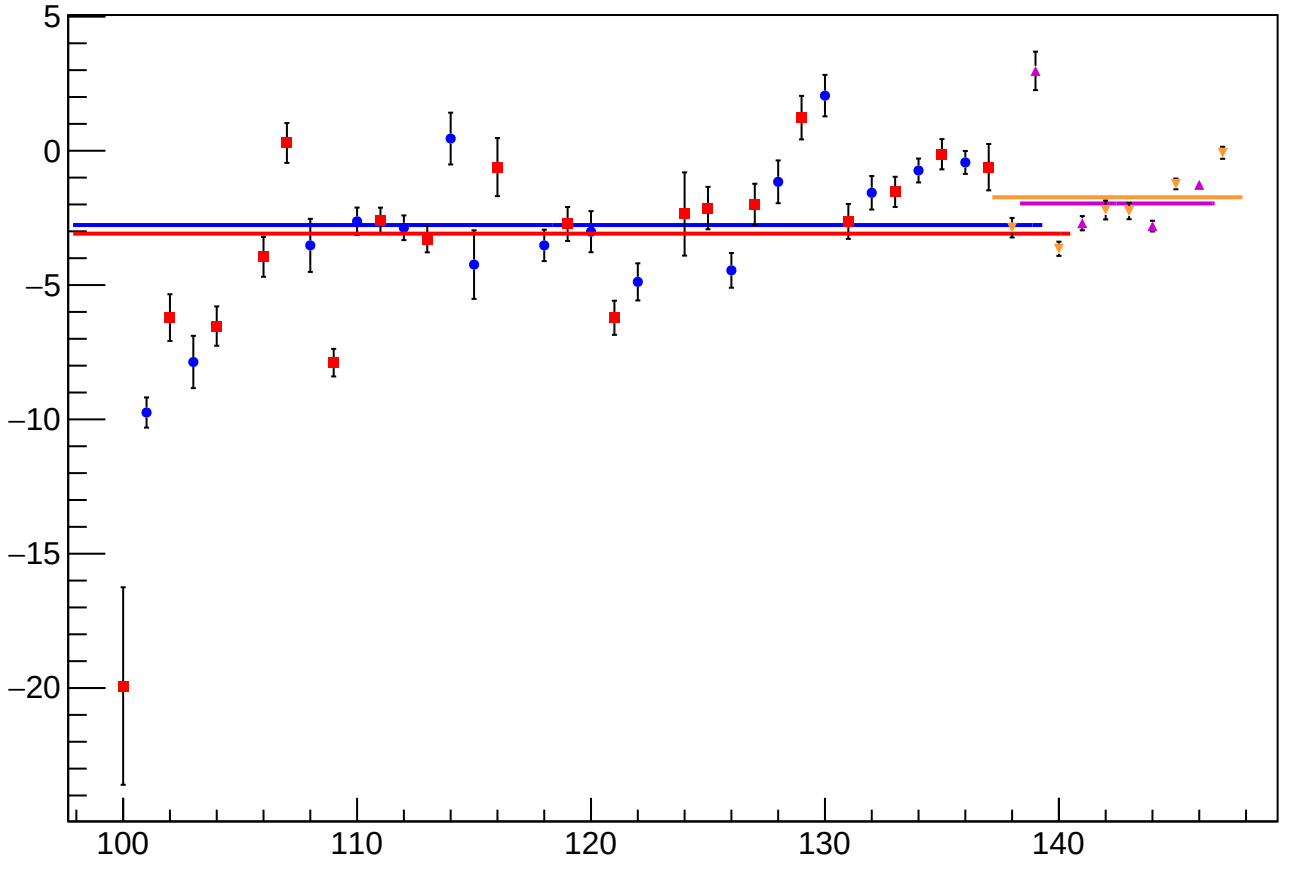
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.048+/-0.161 χ^2/NDF:44.0/3

+ sign 0.974+/-0.100 χ^2/NDF: 1058.4/21

All: 0.113+/-0.071 χ^2/NDF: 2788.8/44

- sign -0.754+/-0.100 χ^2/NDF: 1581.6/22



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.732+/-0.108 χ^2/NDF:127.6/5

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

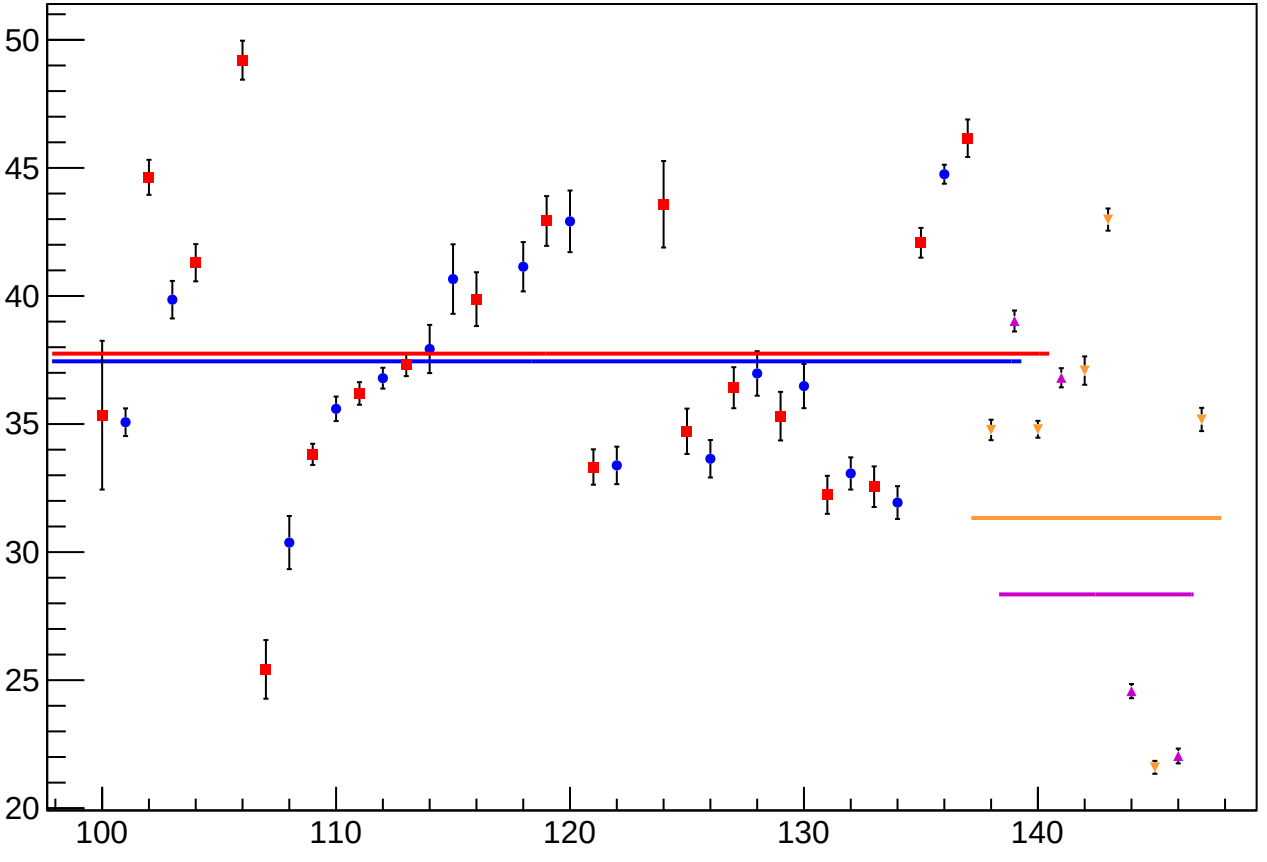
Left In: -1.963+/-0.117 χ^2/NDF:88.3/3

+ sign -2.066+/-0.089 χ^2/NDF: 467.3/21

All: -2.206+/-0.065 χ^2/NDF: 866.1/44

- sign -2.362+/-0.094 χ^2/NDF: 393.6/22

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: 31.333+/-0.150 χ^2/NDF:2574.6/5

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

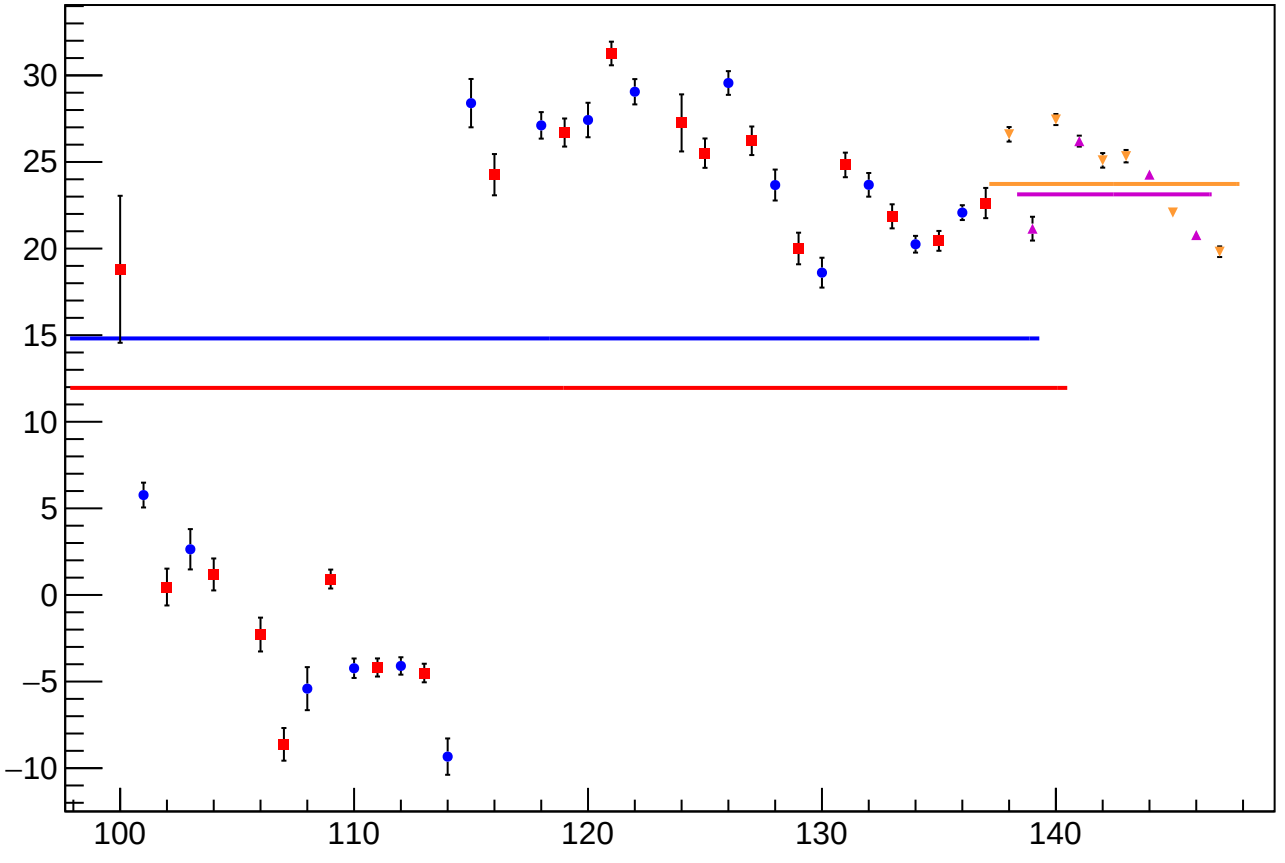
Left In: 28.349+/-0.162 χ^2/NDF:1846.6/3

+ sign 34.176+/-0.110 χ^2/NDF: 4056.4/21

All: 33.675+/-0.079 χ^2/NDF: 8616.6/44

- sign 33.135+/-0.114 χ^2/NDF: 4516.7/22

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.731+/-0.131 χ^2/NDF:426.7/5

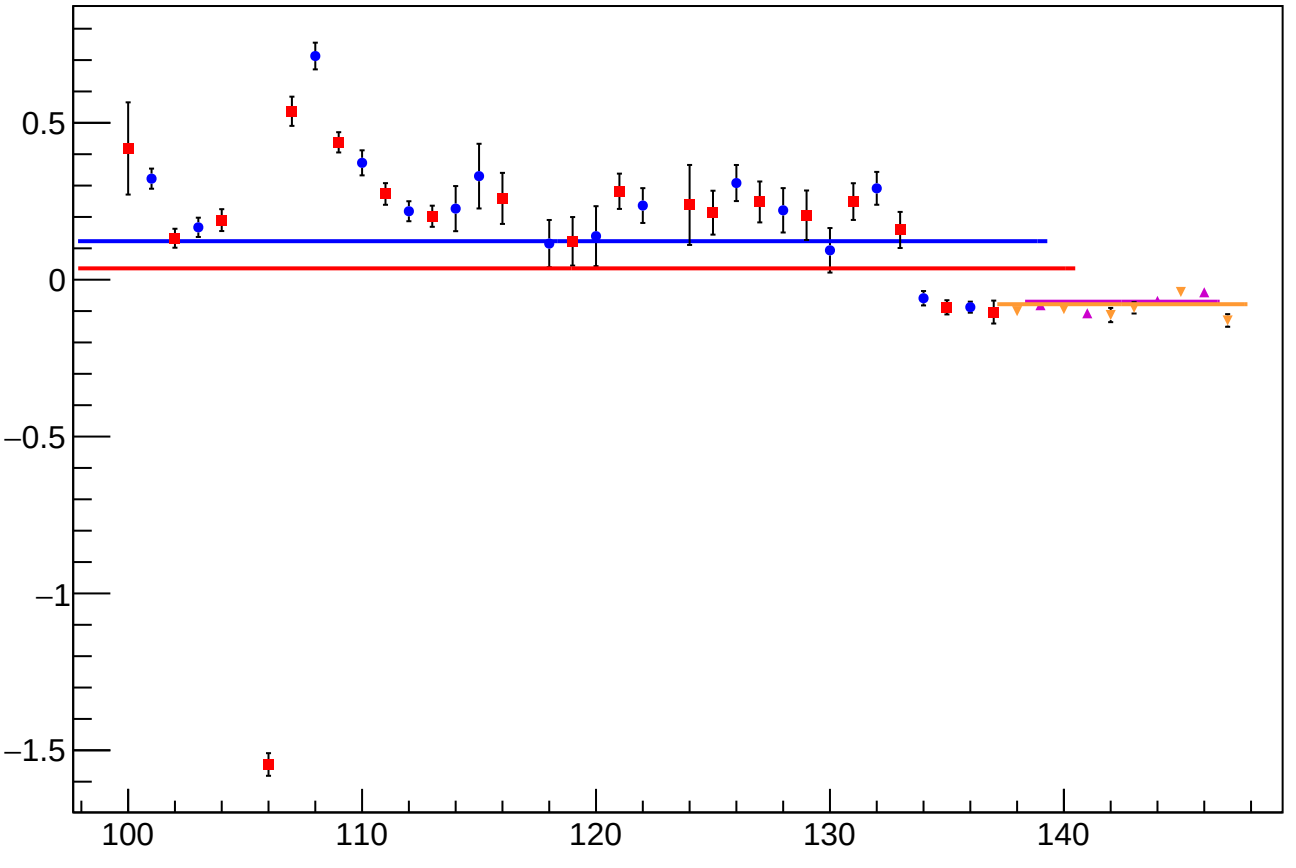
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.130+/-0.140 χ^2/NDF:237.8/3

+ sign 20.511+/-0.104 χ^2/NDF: 7794.3/21

All: 19.702+/-0.076 χ^2/NDF: 16712.6/44

- sign 18.807+/-0.110 χ^2/NDF: 8792.2/22



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.078+/-0.006 χ^2/NDF:27.6/5

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

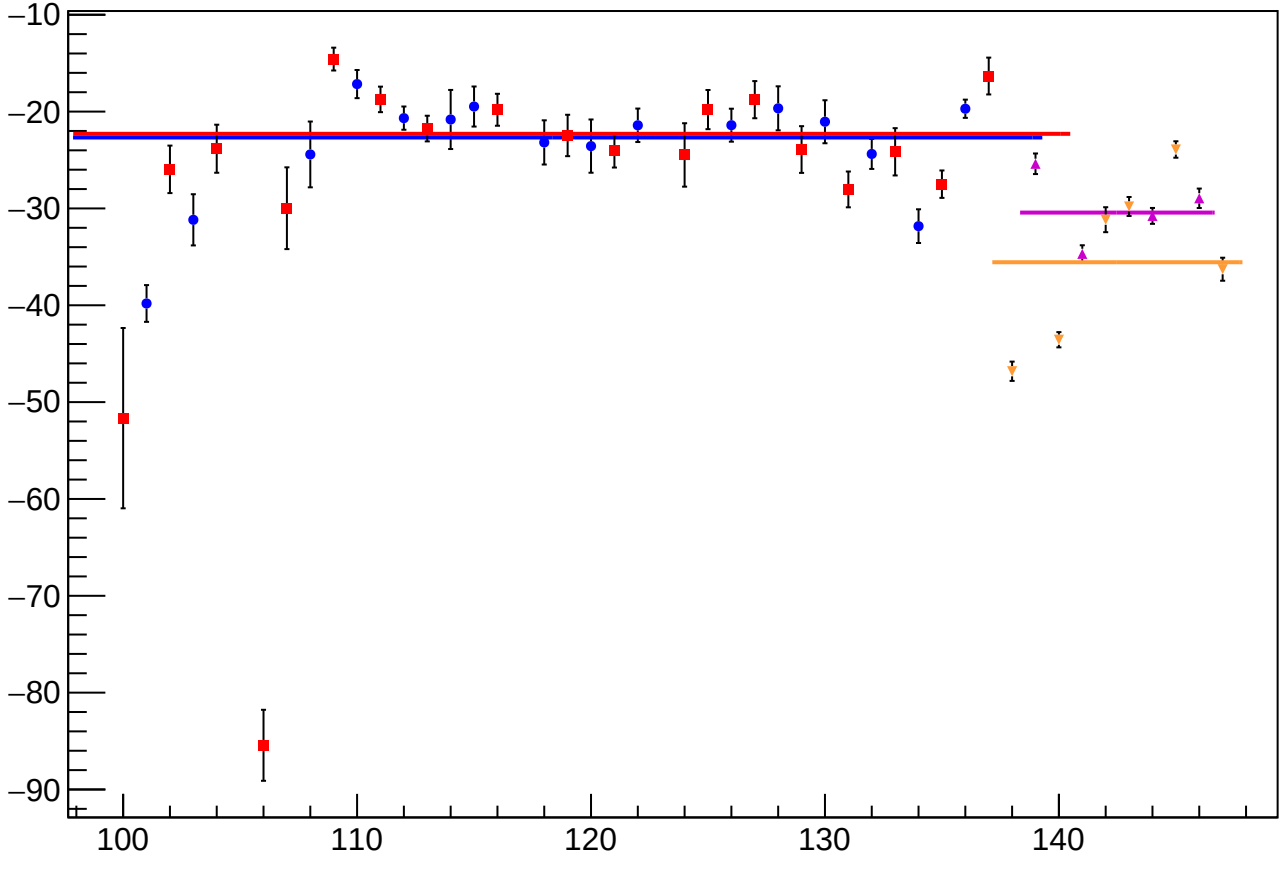
Left In: -0.070+/-0.007 χ^2/NDF:12.1/3

+ sign -0.017+/-0.005 χ^2/NDF: 865.1/21

All: -0.026+/-0.004 χ^2/NDF: 3377.9/44

- sign -0.036+/-0.006 χ^2/NDF: 2506.8/22

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.555+/-0.397 χ^2/NDF:465.6/5

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

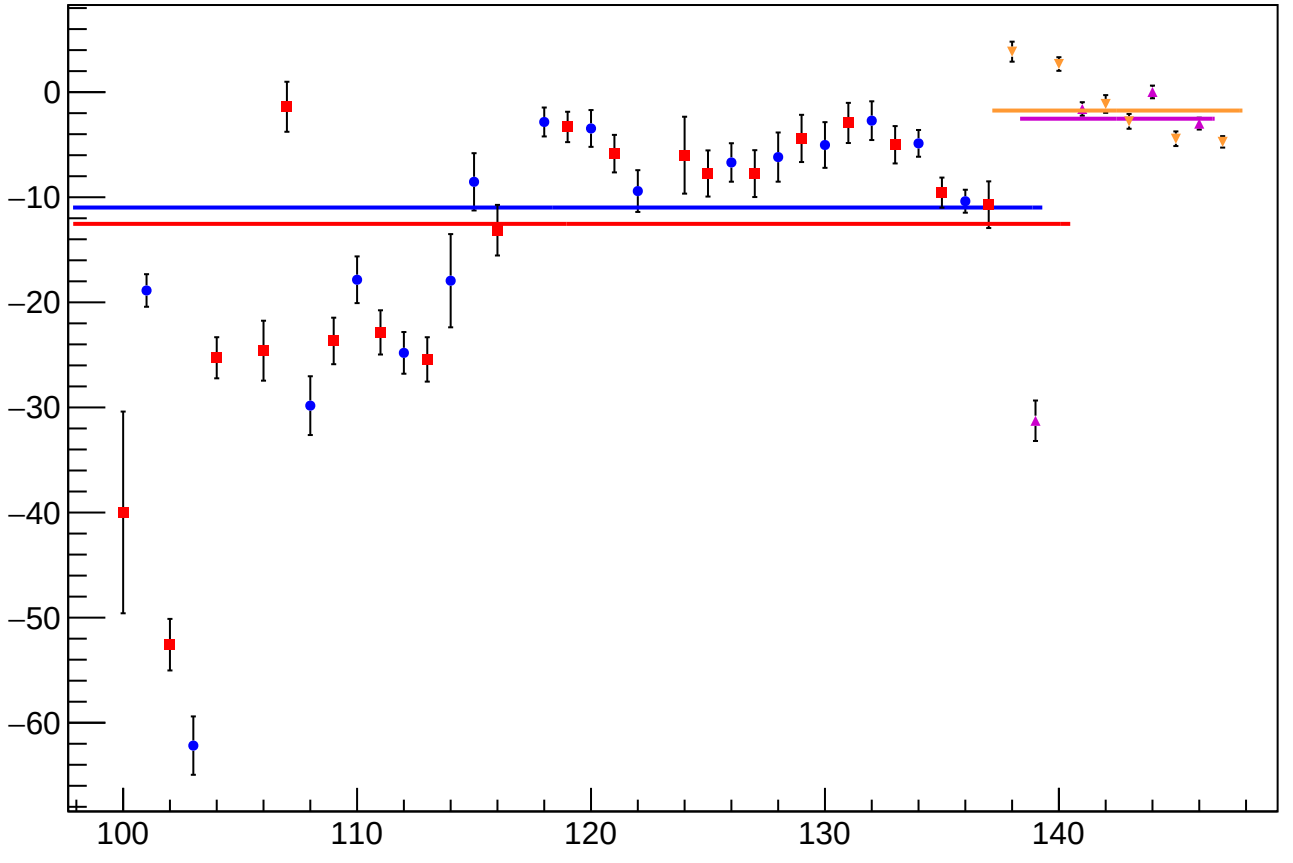
Left In: -30.428+/-0.464 χ^2/NDF:47.9/3

+ sign -29.703+/-0.293 χ^2/NDF: 1099.5/21

All: -28.045+/-0.215 χ^2/NDF: 1785.9/44

- sign -26.097+/-0.318 χ^2/NDF: 616.7/22

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: -1.751+/-0.285 χ^2/NDF:128.5/5

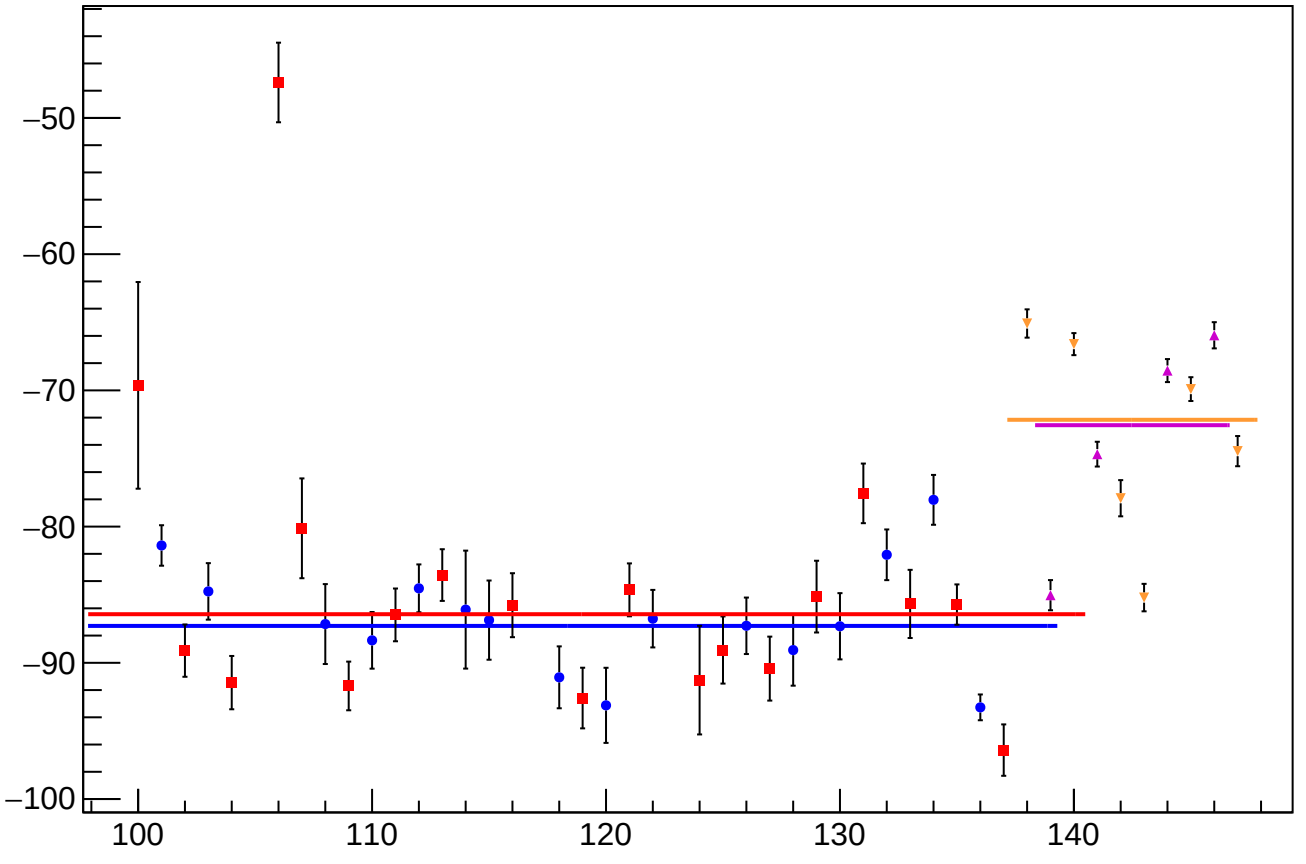
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.528+/-0.342 χ^2/NDF:243.3/3

+ sign -4.365+/-0.241 χ^2/NDF: 1012.7/21

All: -5.017+/-0.182 χ^2/NDF: 2132.6/44

- sign -5.887+/-0.279 χ^2/NDF: 1102.9/22



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.158+/-0.404 χ^2/NDF:290.8/5

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

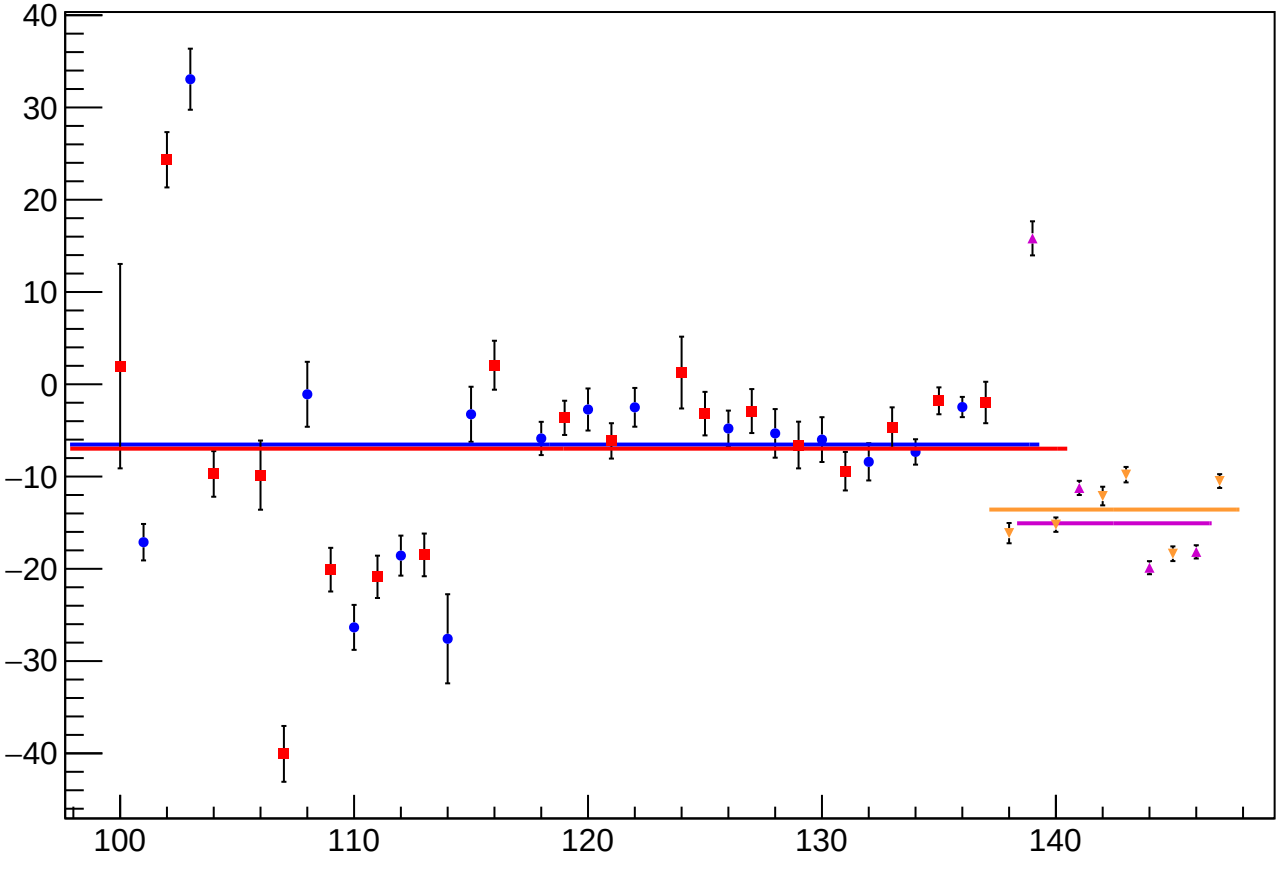
Left In: -72.555+/-0.471 χ^2/NDF:202.0/3

+ sign -78.424+/-0.309 χ^2/NDF: 972.9/21

All: -78.681+/-0.230 χ^2/NDF: 1844.2/44

- sign -79.000+/-0.345 χ^2/NDF: 869.7/22

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.578+/-0.349 χ^2/NDF:85.3/5

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

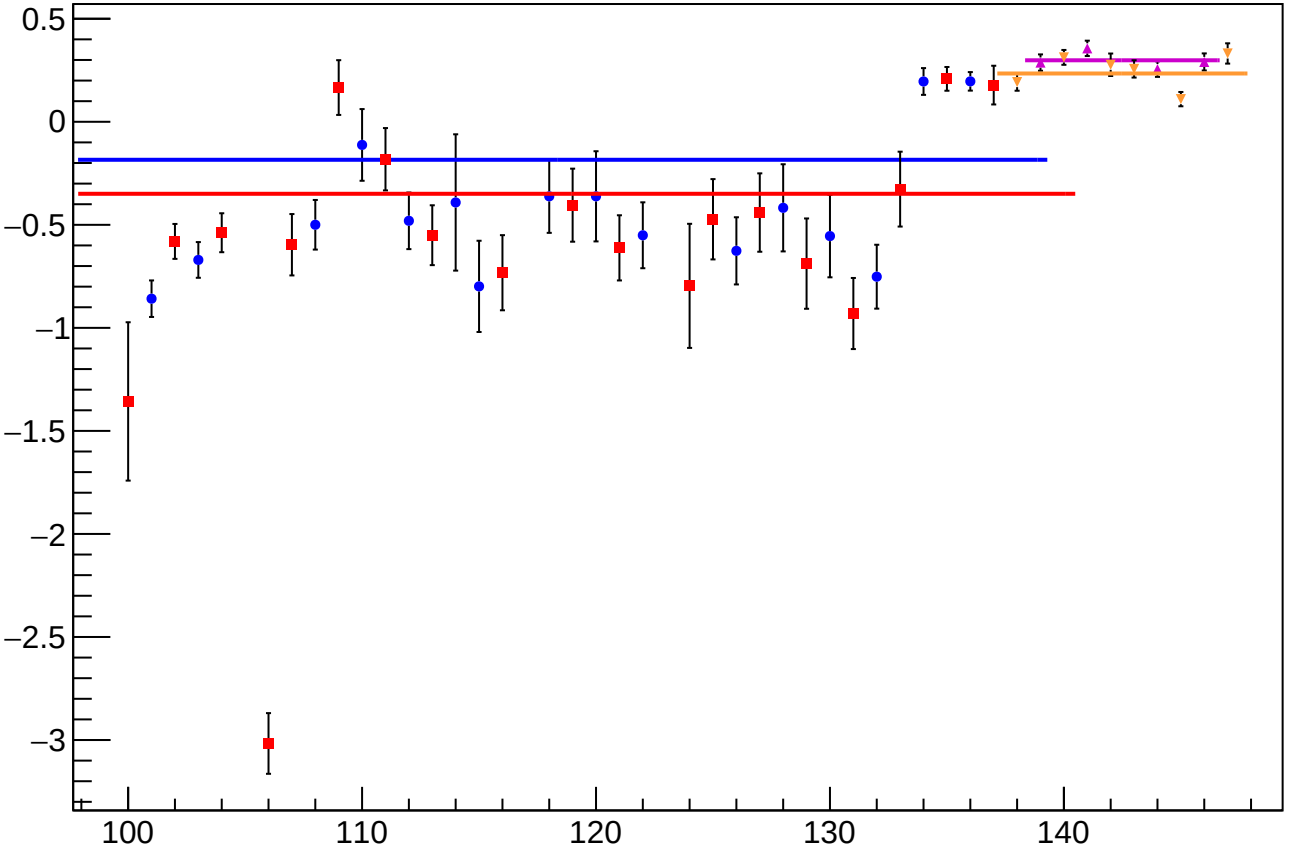
Left In: -15.066+/-0.412 χ^2/NDF:368.8/3

+ sign -11.323+/-0.287 χ^2/NDF: 530.0/21

All: -11.663+/-0.216 χ^2/NDF: 1411.7/44

- sign -12.106+/-0.328 χ^2/NDF: 878.4/22

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: 0.234+/-0.017 χ^2/NDF:23.4/5

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

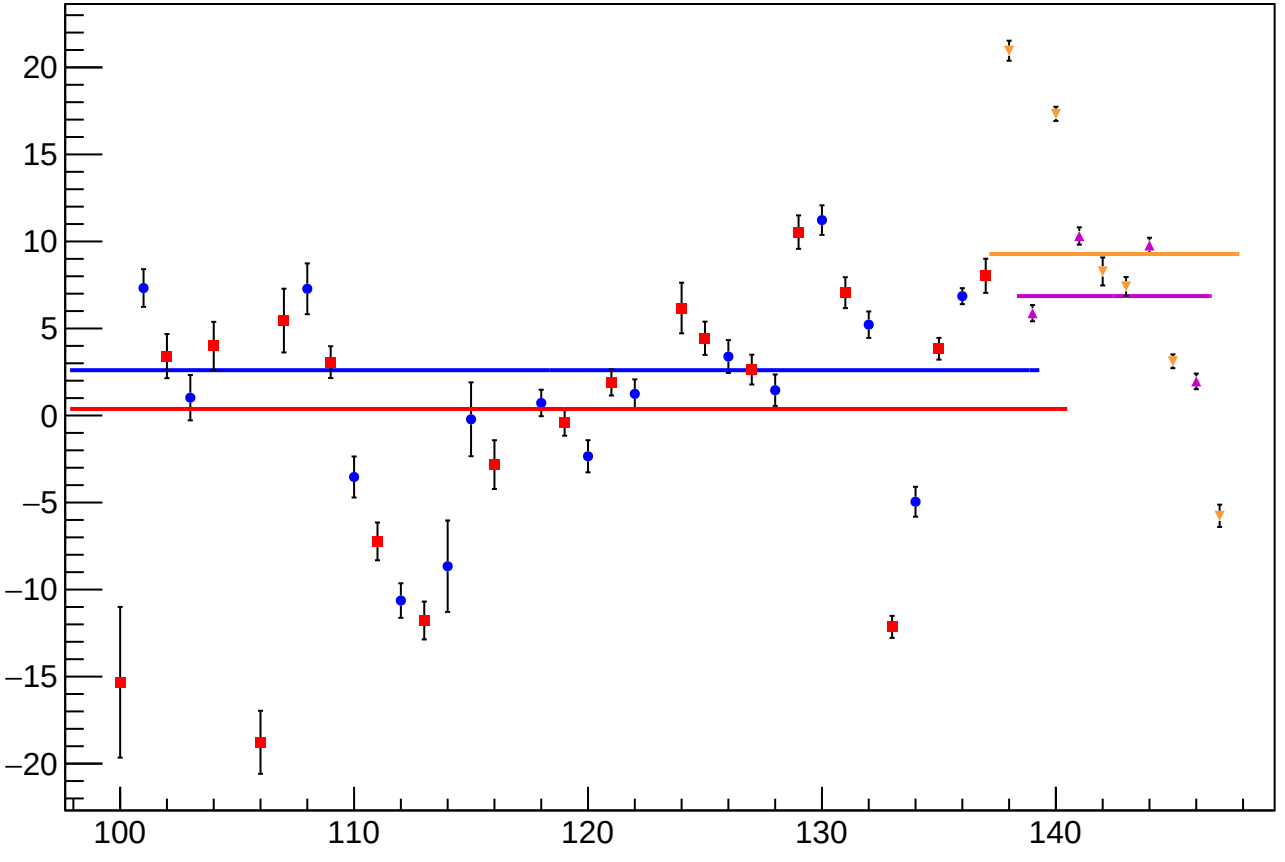
Left In: 0.298+/-0.019 χ^2/NDF:3.8/3

+ sign 0.115+/-0.014 χ^2/NDF: 445.4/21

All: 0.108+/-0.011 χ^2/NDF: 1305.1/44

- sign 0.100+/-0.016 χ^2/NDF: 859.3/22

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 9.279+/-0.210 χ^2/NDF:1602.0/5

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

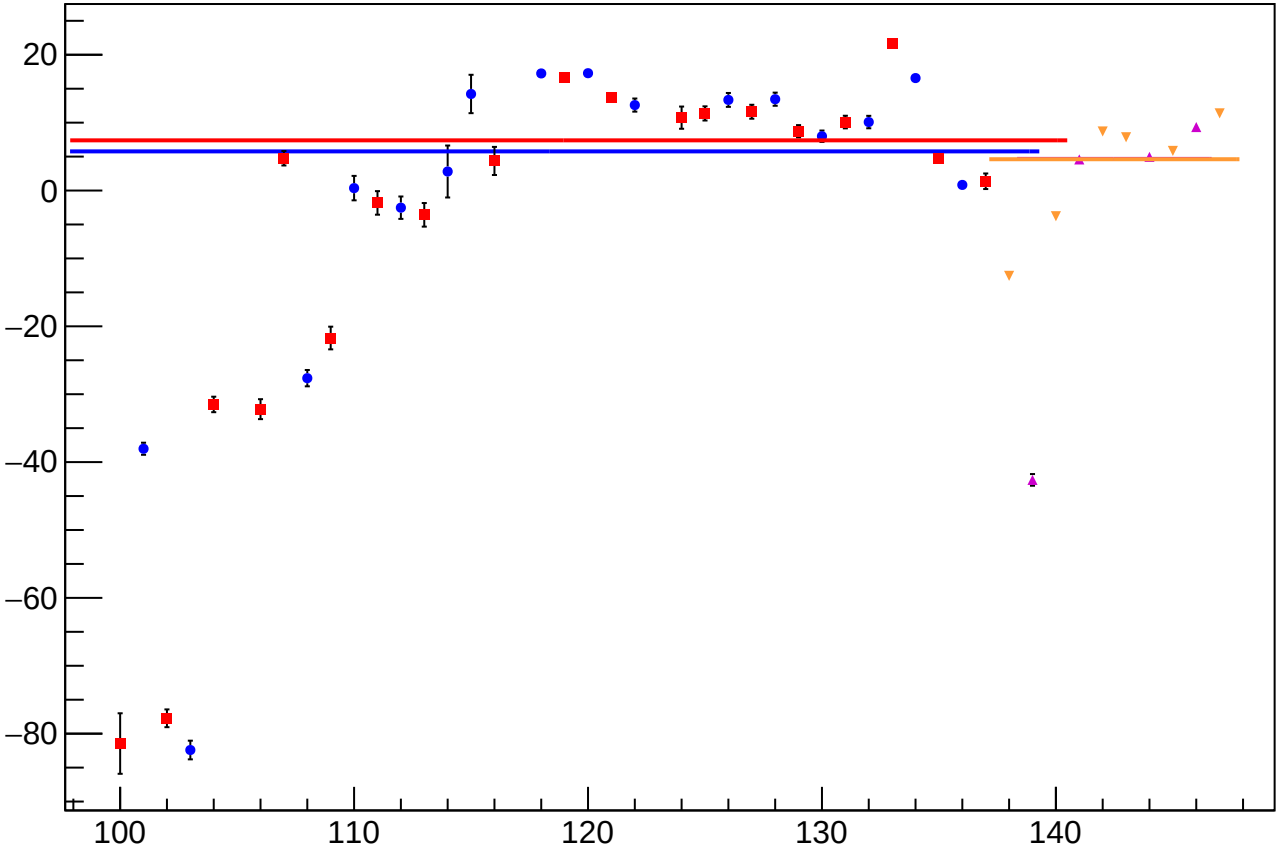
Left In: 6.861+/-0.231 χ^2/NDF:215.5/3

+ sign 6.164+/-0.153 χ^2/NDF: 2648.3/21

All: 4.889+/-0.111 χ^2/NDF: 4449.0/44

- sign 3.493+/-0.160 χ^2/NDF: 1655.5/22

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 4.612+/-0.154 χ^2/NDF:2123.4/5

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

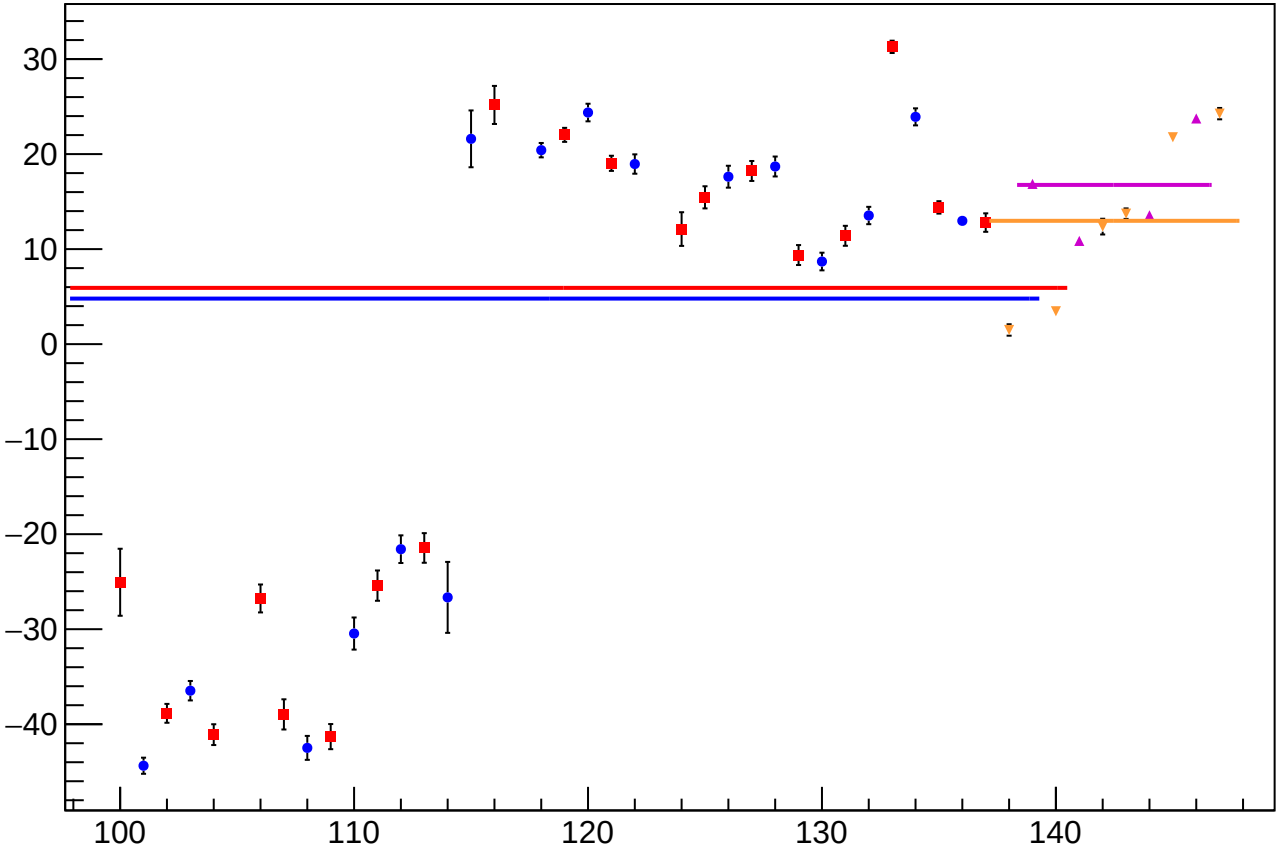
Left In: 4.660+/-0.178 χ^2/NDF:3324.3/3

+ sign 5.019+/-0.124 χ^2/NDF: 11076.9/21

All: 5.382+/-0.092 χ^2/NDF: 22909.4/44

- sign 5.815+/-0.136 χ^2/NDF: 11813.8/22

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: 12.978+/-0.214 χ^2/NDF:1698.3/5

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

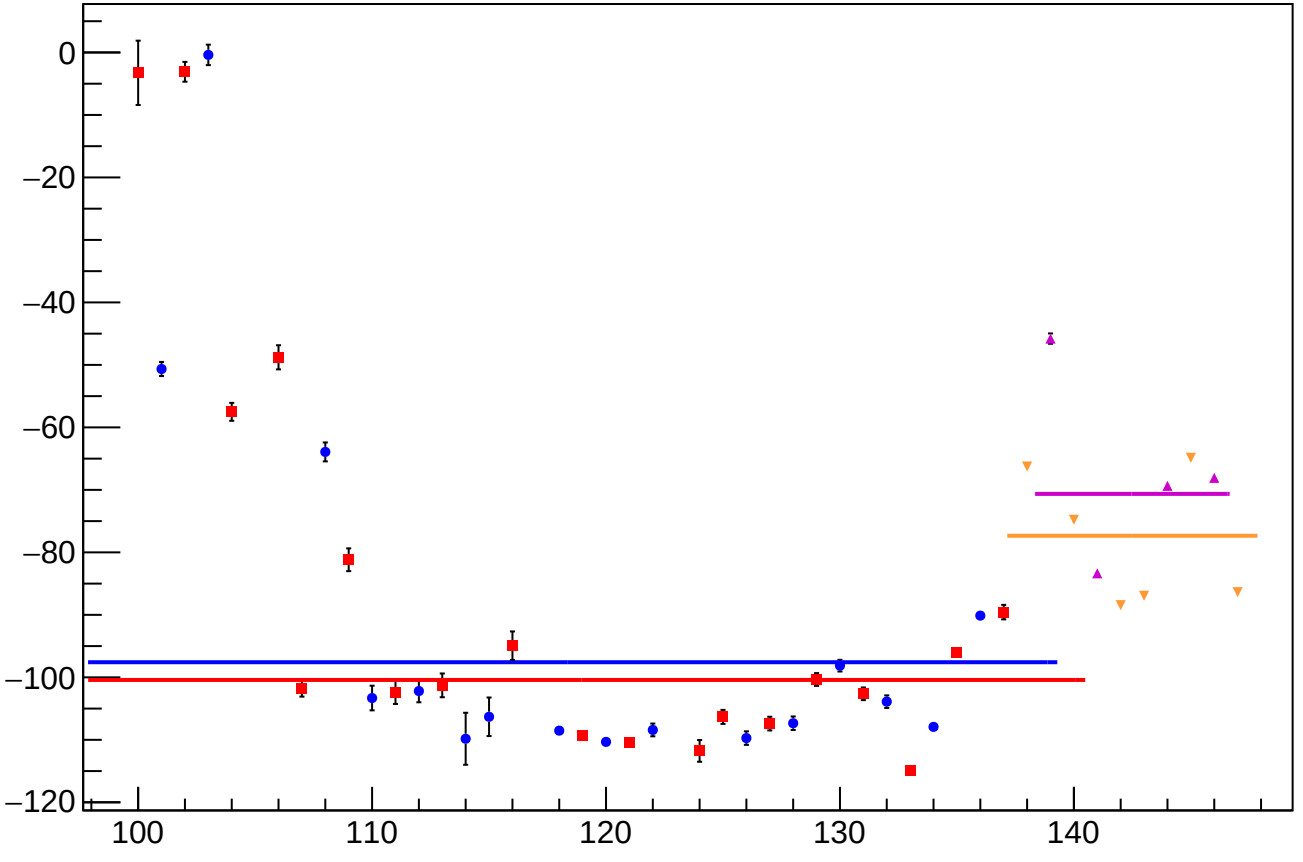
Left In: 16.756+/-0.234 χ^2/NDF:444.8/3

+ sign 9.319+/-0.159 χ^2/NDF: 11852.2/21

All: 10.339+/-0.115 χ^2/NDF: 23489.5/44

- sign 11.475+/-0.167 χ^2/NDF: 11550.0/22

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -77.342+/-0.188 χ^2/NDF:2643.9/5

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

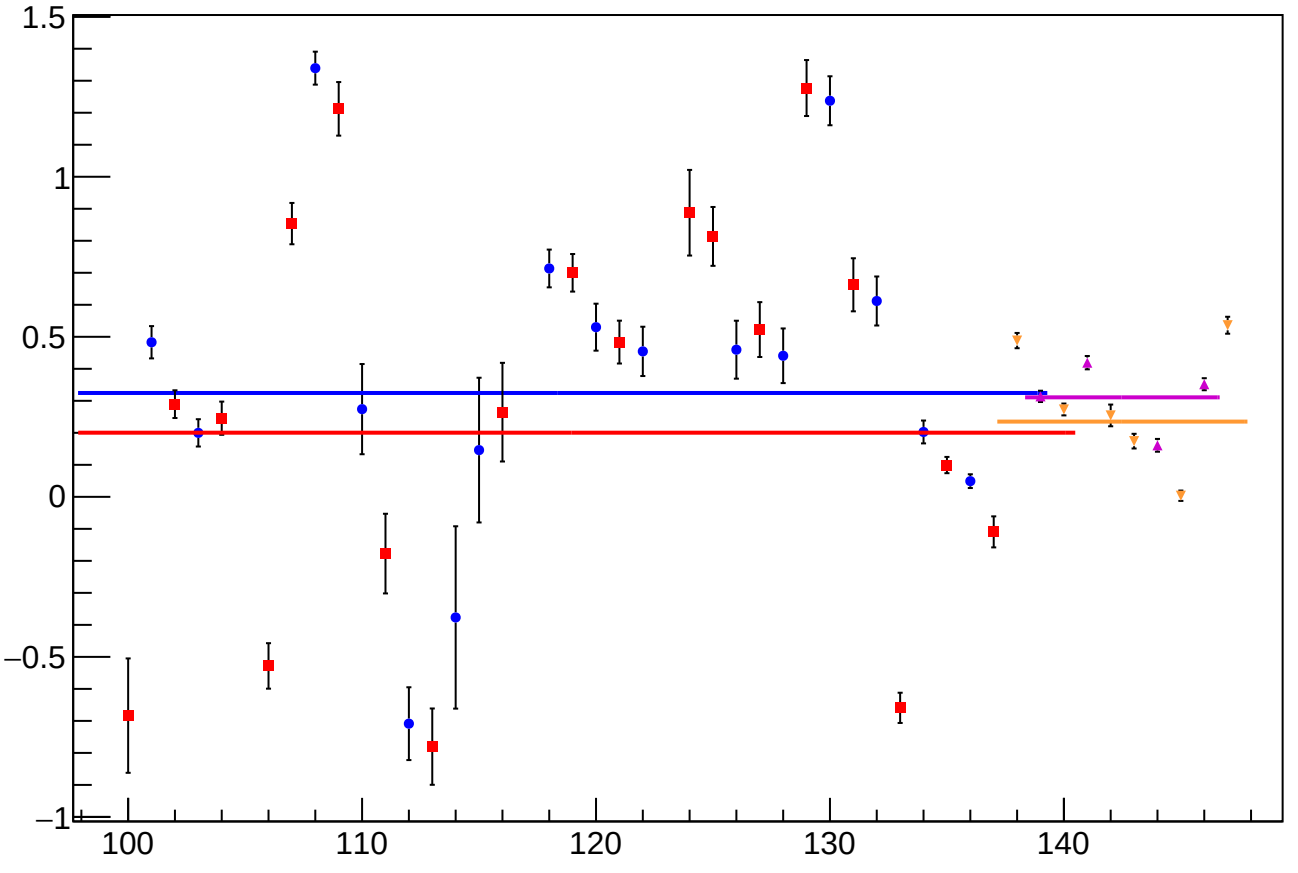
Left In: -70.641+/-0.212 χ^2/NDF:1835.2/3

+ sign -84.948+/-0.148 χ^2/NDF: 14165.2/21

All: -84.333+/-0.108 χ^2/NDF: 31764.6/44

- sign -83.624+/-0.159 χ^2/NDF: 17562.4/22

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: 0.235+/-0.009 χ^2/NDF:458.1/5

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

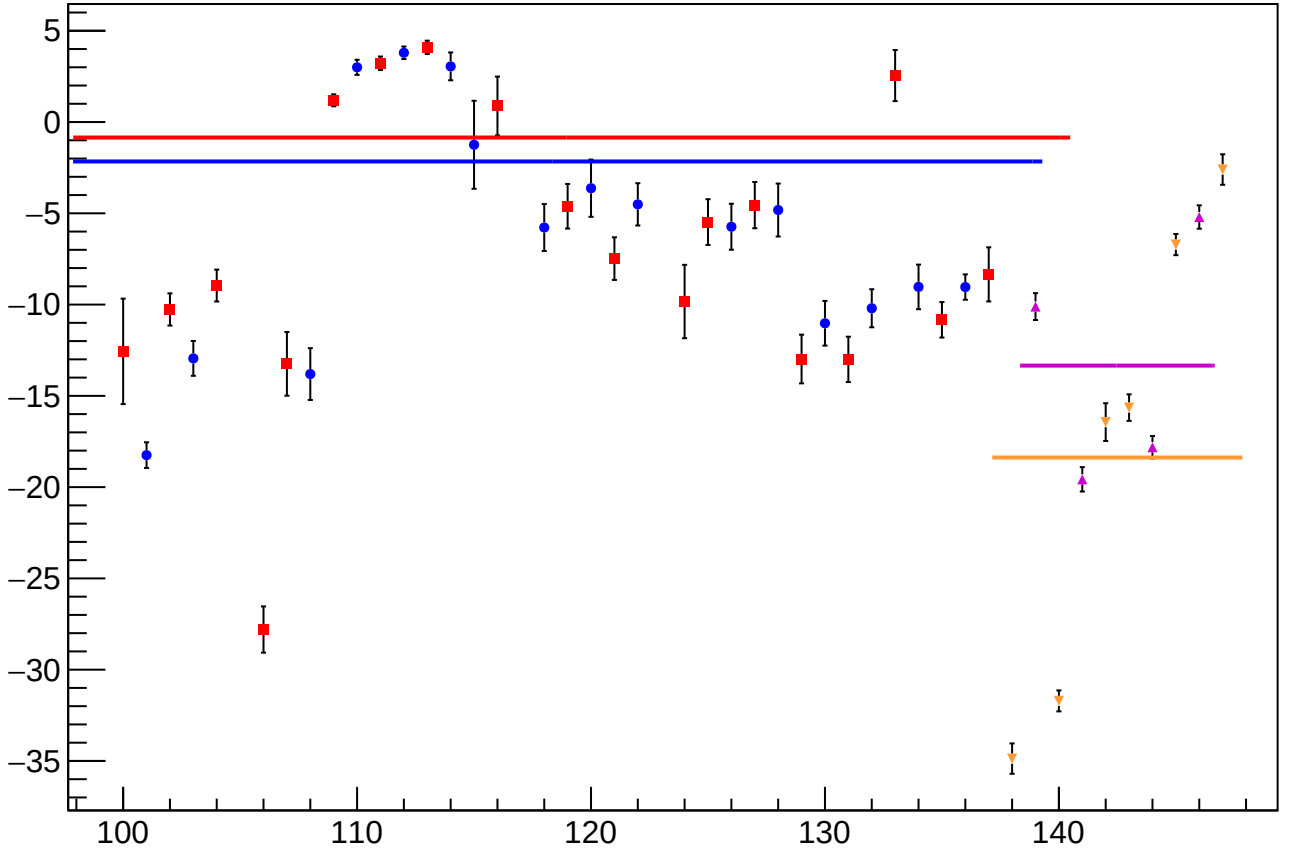
Left In: 0.311+/-0.010 χ^2/NDF:87.9/3

+ sign 0.263+/-0.007 χ^2/NDF: 1376.0/21

All: 0.268+/-0.005 χ^2/NDF: 2714.4/44

- sign 0.275+/-0.008 χ^2/NDF: 1337.1/22

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -18.379+/-0.292 χ^2/NDF:1710.9/5

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

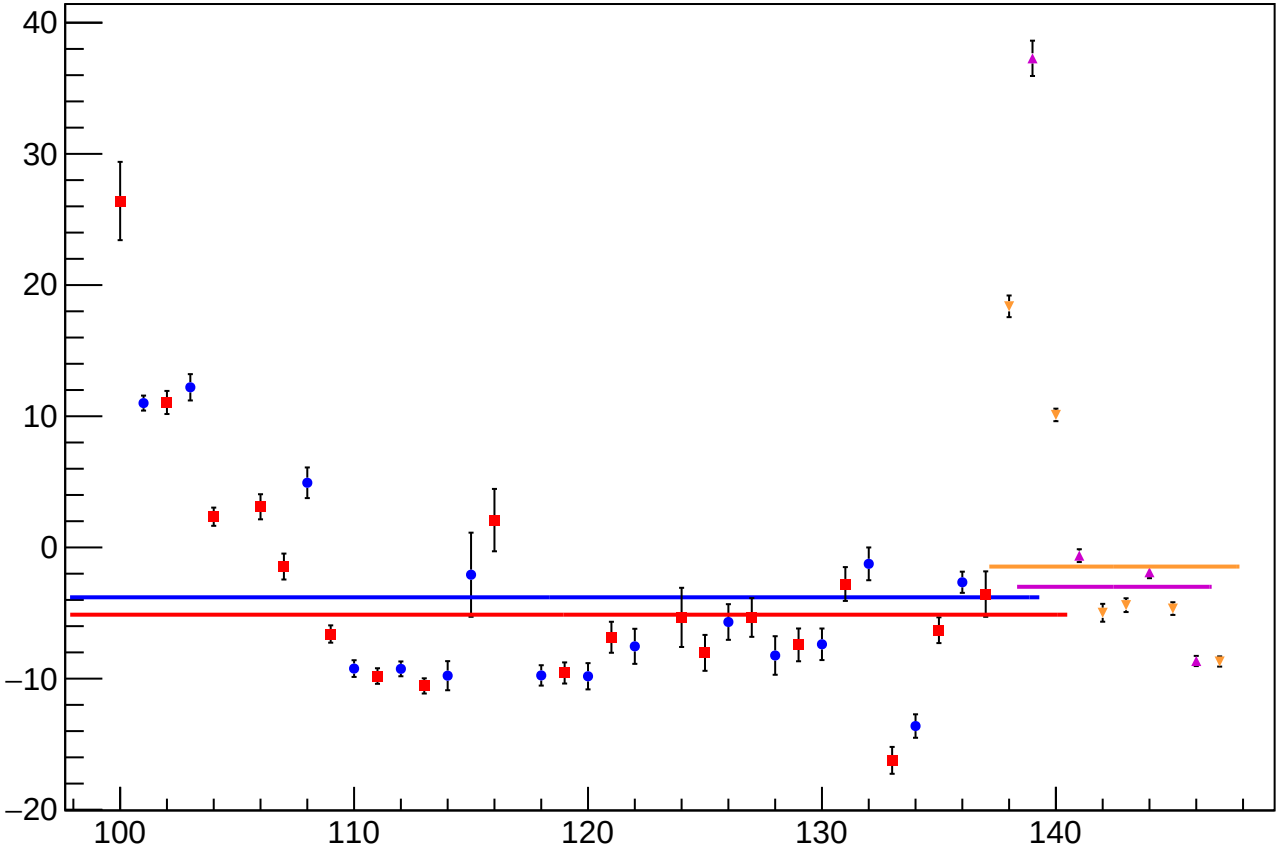
Left In: -13.342+/-0.330 χ^2/NDF:321.0/3

+ sign -7.050+/-0.160 χ^2/NDF: 5354.1/21

All: -5.161+/-0.110 χ^2/NDF: 8534.3/44

- sign -3.478+/-0.151 χ^2/NDF: 2918.1/22

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -1.458+/-0.211 χ^2/NDF:1611.9/5

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

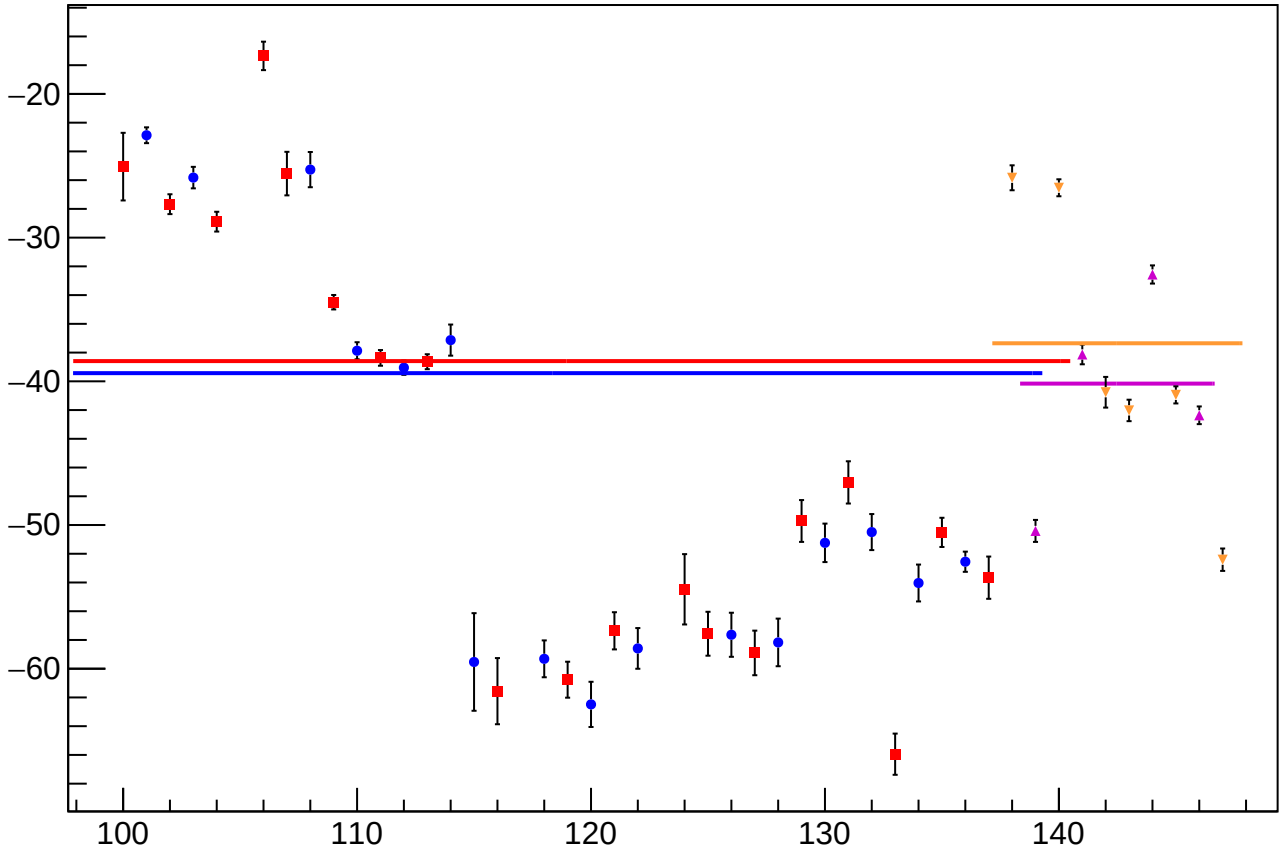
Left In: -3.000+/-0.248 χ^2/NDF:1137.8/3

+ sign -2.549+/-0.154 χ^2/NDF: 3094.9/21

All: -3.321+/-0.112 χ^2/NDF: 5308.1/44

- sign -4.196+/-0.164 χ^2/NDF: 2159.6/22

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.353+/-0.297 χ^2/NDF:971.1/5

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

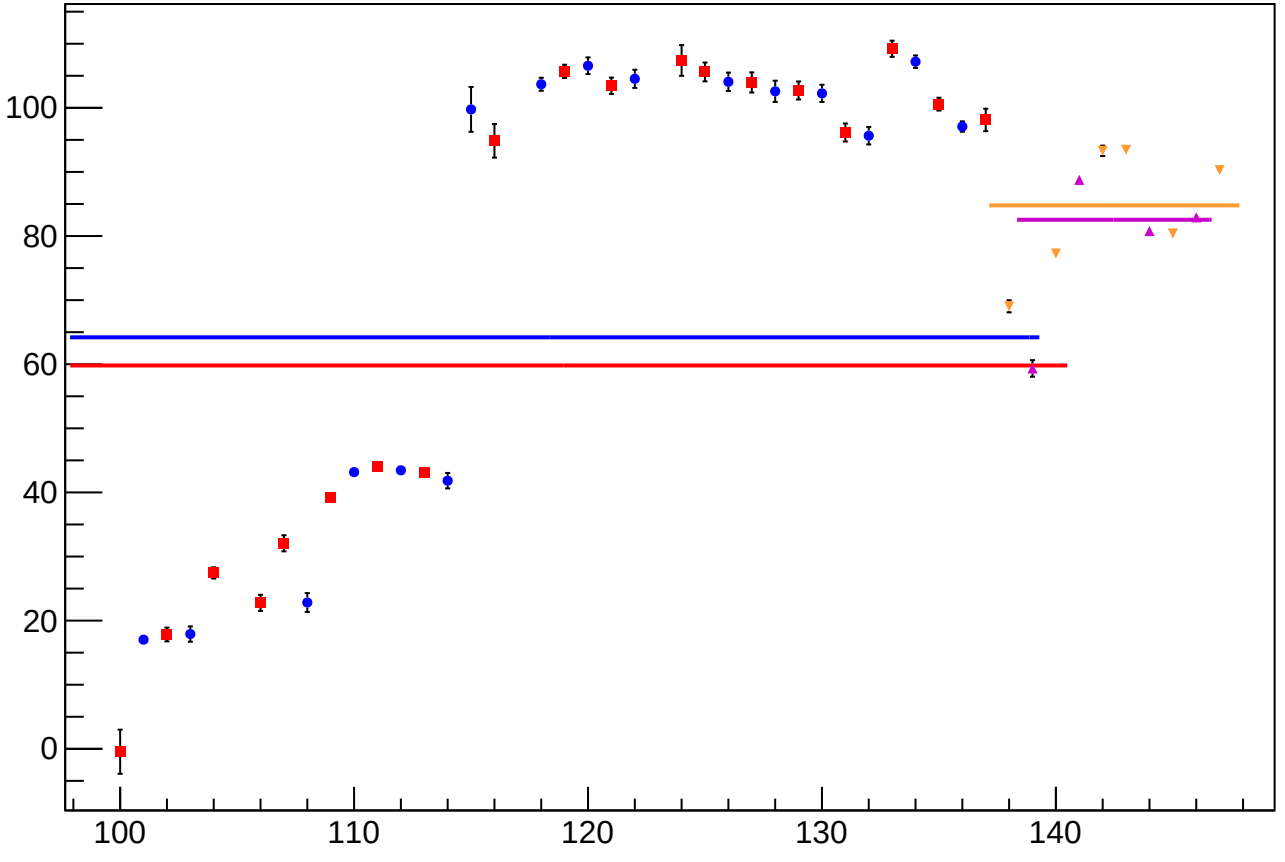
Left In: -40.159+/-0.334 χ^2/NDF:345.2/3

+ sign -38.672+/-0.180 χ^2/NDF: 3960.3/21

All: -38.858+/-0.127 χ^2/NDF: 7095.4/44

- sign -39.044+/-0.179 χ^2/NDF: 3133.0/22

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.781+/-0.257 χ^2/NDF:925.8/5

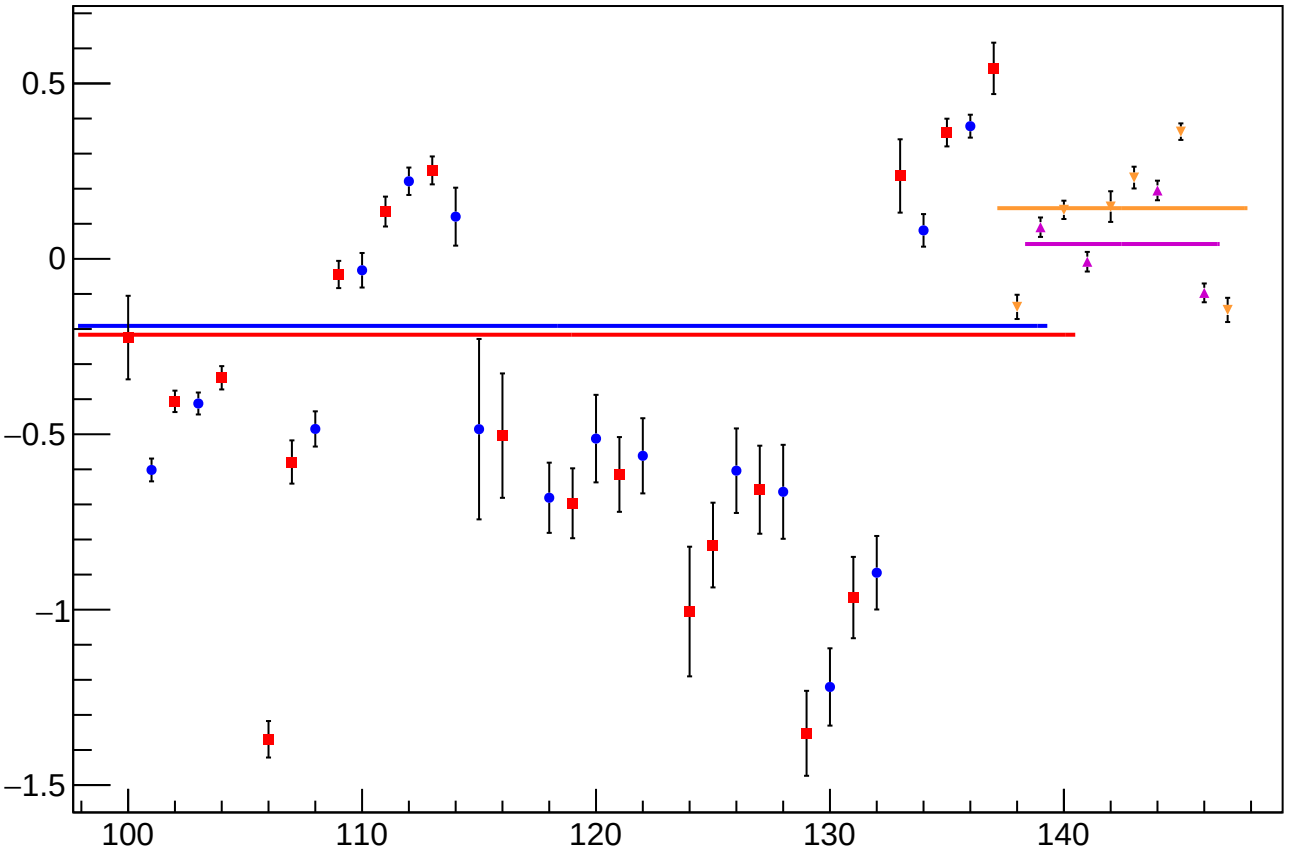
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.537+/-0.296 χ^2/NDF:448.5/3

+ sign 74.497+/-0.182 χ^2/NDF: 22720.4/21

All: 71.977+/-0.132 χ^2/NDF: 44460.2/44

- sign 69.218+/-0.190 χ^2/NDF: 21338.1/22



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.145+/-0.012 χ^2/NDF:230.6/5

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

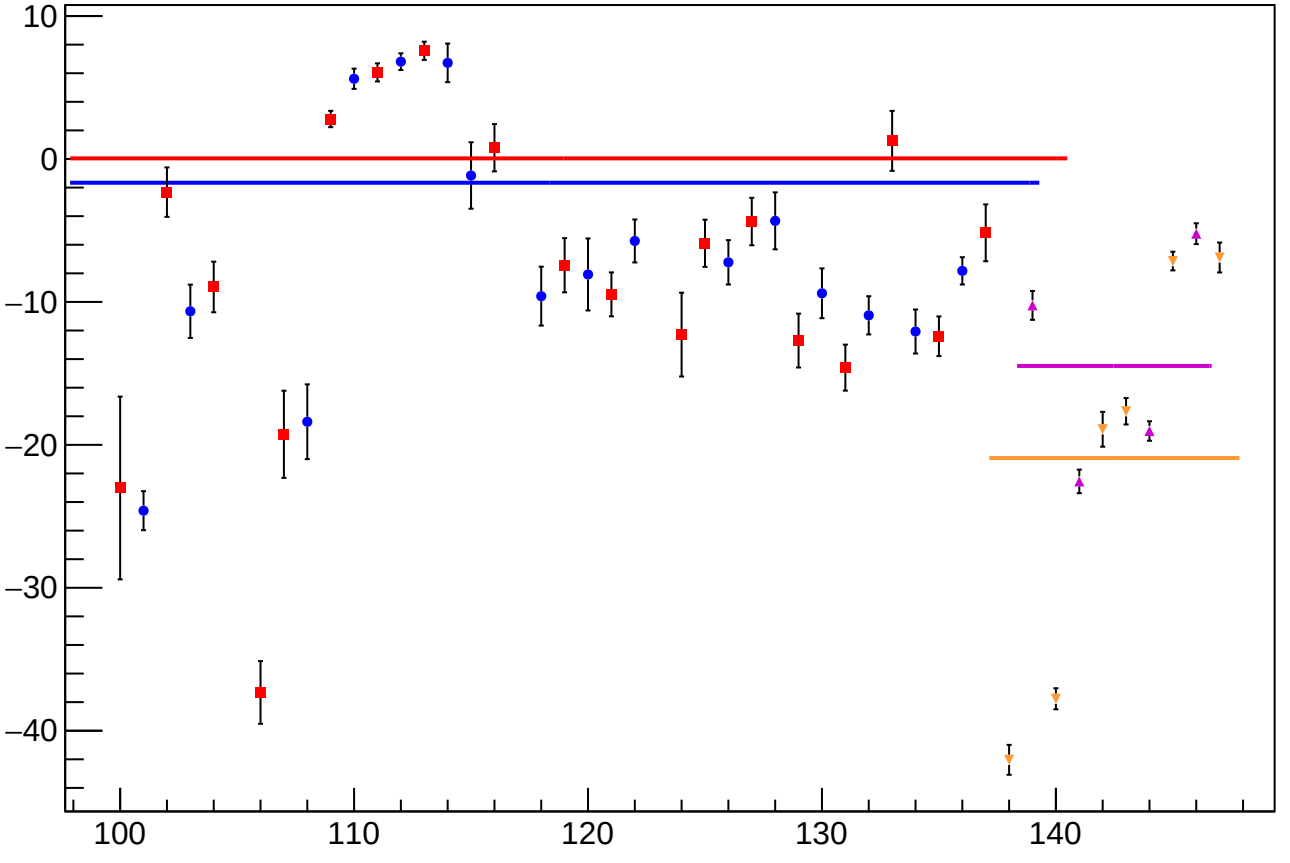
Left In: 0.042+/-0.014 χ^2/NDF:63.1/3

+ sign -0.010+/-0.009 χ^2/NDF: 1486.0/21

All: -0.051+/-0.007 χ^2/NDF: 3146.4/44

- sign -0.095+/-0.009 χ^2/NDF: 1618.1/22

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -20.921+/-0.357 χ^2/NDF:1569.6/5

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

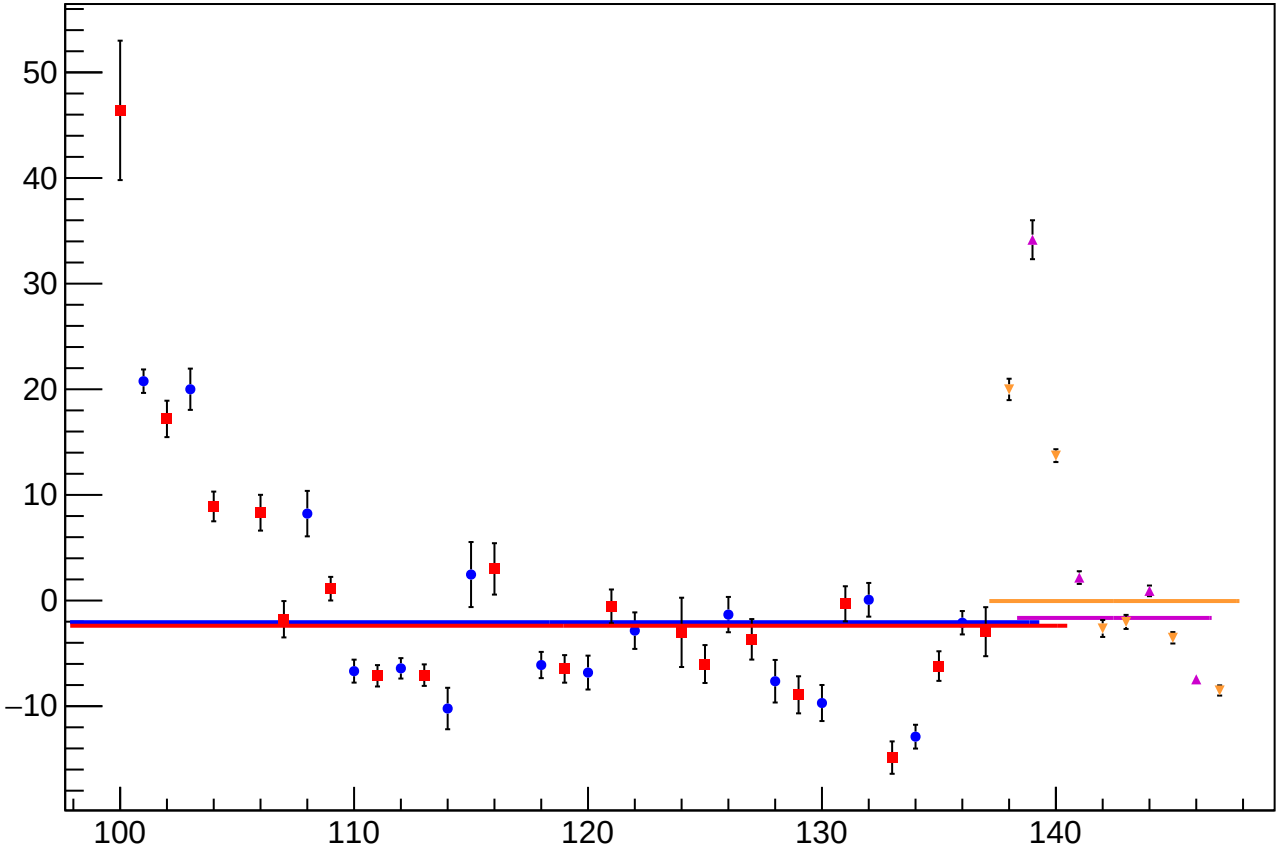
Left In: -14.478+/-0.393 χ^2/NDF:319.7/3

+ sign -9.887+/-0.233 χ^2/NDF: 4139.3/21

All: -7.346+/-0.163 χ^2/NDF: 6525.5/44

- sign -4.895+/-0.229 χ^2/NDF: 2152.9/22

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.048+/-0.256 χ^2/NDF:1273.5/5

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

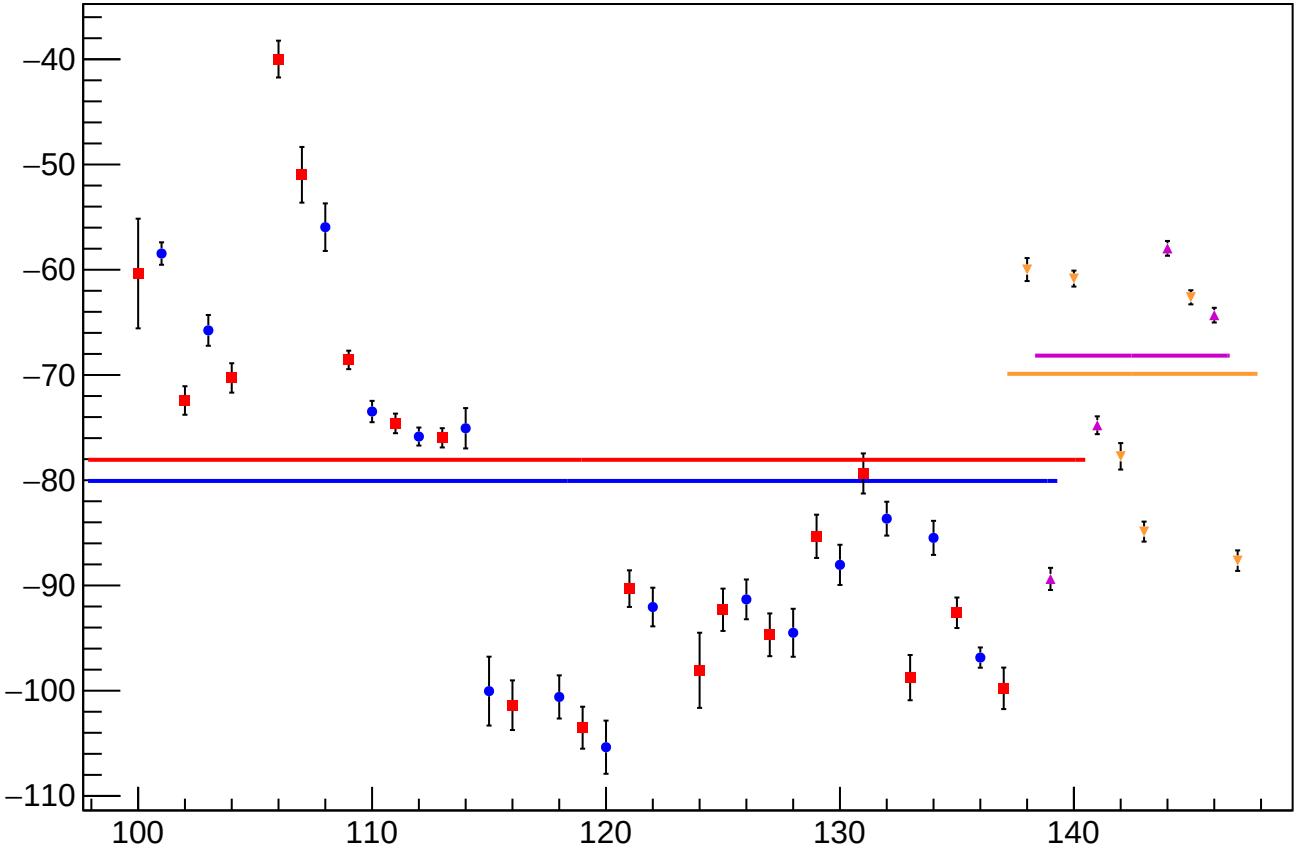
Left In: -1.645+/-0.284 χ^2/NDF:625.6/3

+ sign -0.731+/-0.208 χ^2/NDF: 2066.3/21

All: -1.294+/-0.152 χ^2/NDF: 3161.1/44

- sign -1.934+/-0.222 χ^2/NDF: 1079.2/22

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.891+/-0.363 χ^2/NDF:960.9/5

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

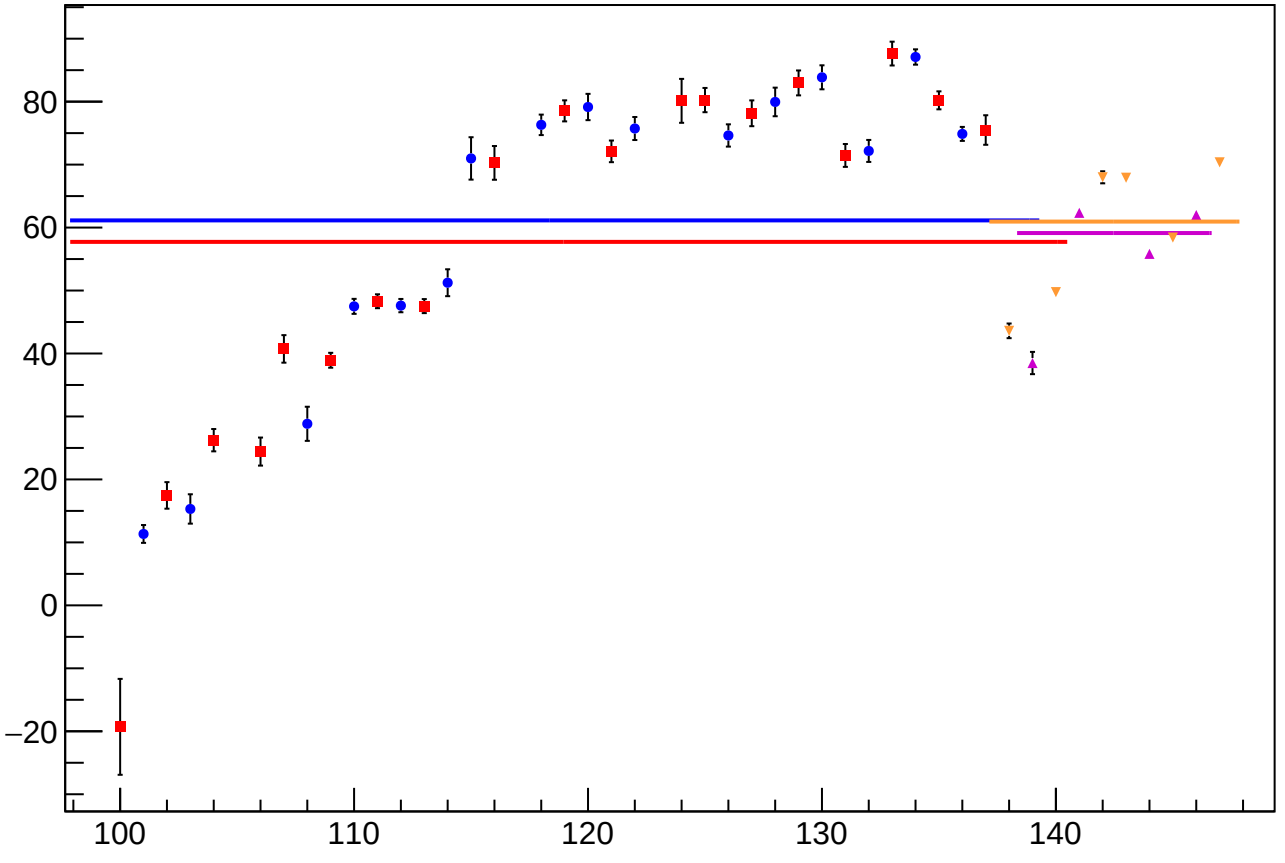
Left In: -68.161+/-0.397 χ^2/NDF:708.3/3

+ sign -74.960+/-0.257 χ^2/NDF: 2739.7/21

All: -74.335+/-0.184 χ^2/NDF: 5368.4/44

- sign -73.676+/-0.264 χ^2/NDF: 2616.6/22

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 60.950+/-0.313 χ^2/NDF:808.2/5

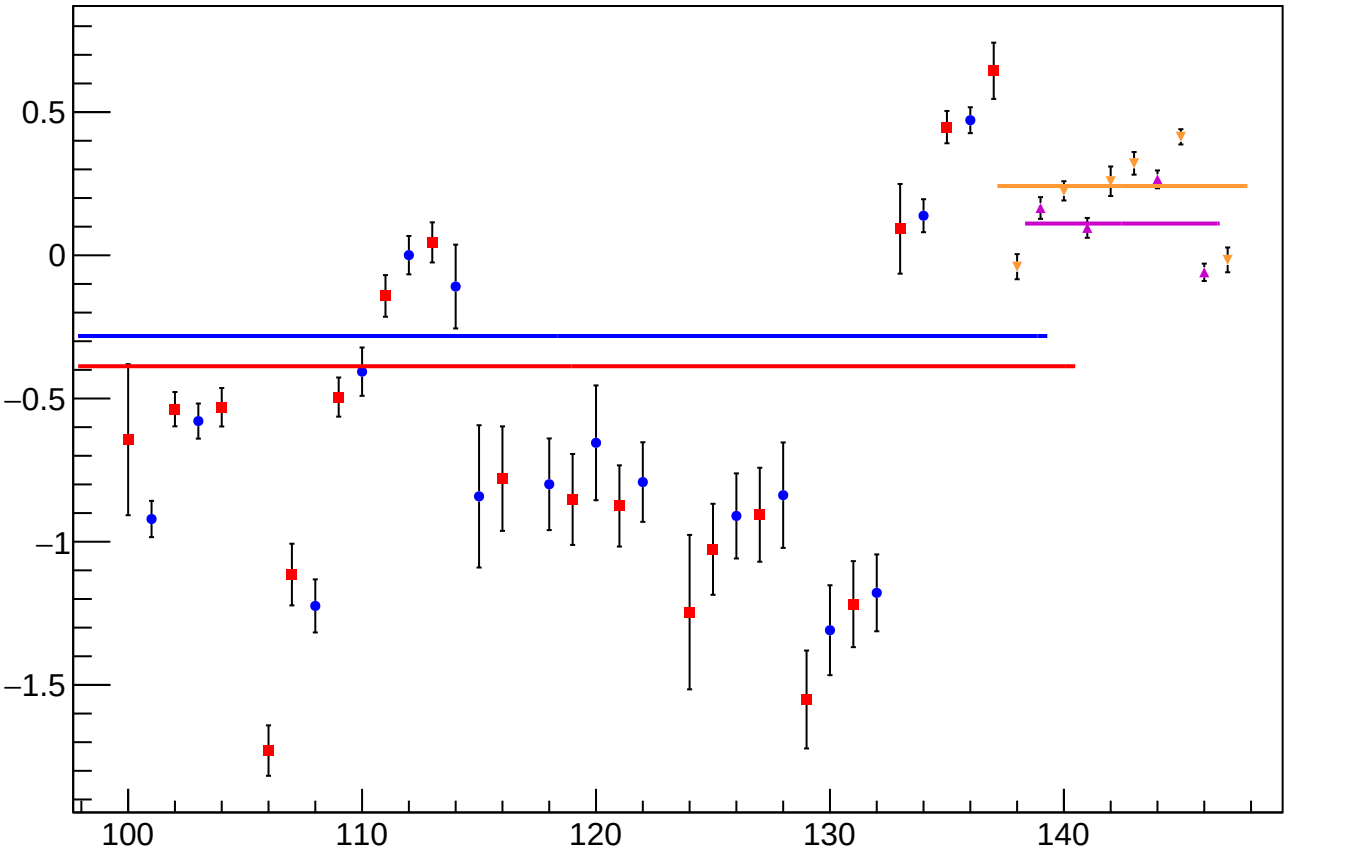
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 59.131+/-0.342 χ^2/NDF:215.8/3

+ sign 61.022+/-0.247 χ^2/NDF: 4037.6/21

All: 59.846+/-0.179 χ^2/NDF: 7084.1/44

- sign 58.539+/-0.260 χ^2/NDF: 2998.5/22



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.242+/-0.015 χ^2/NDF:122.7/5

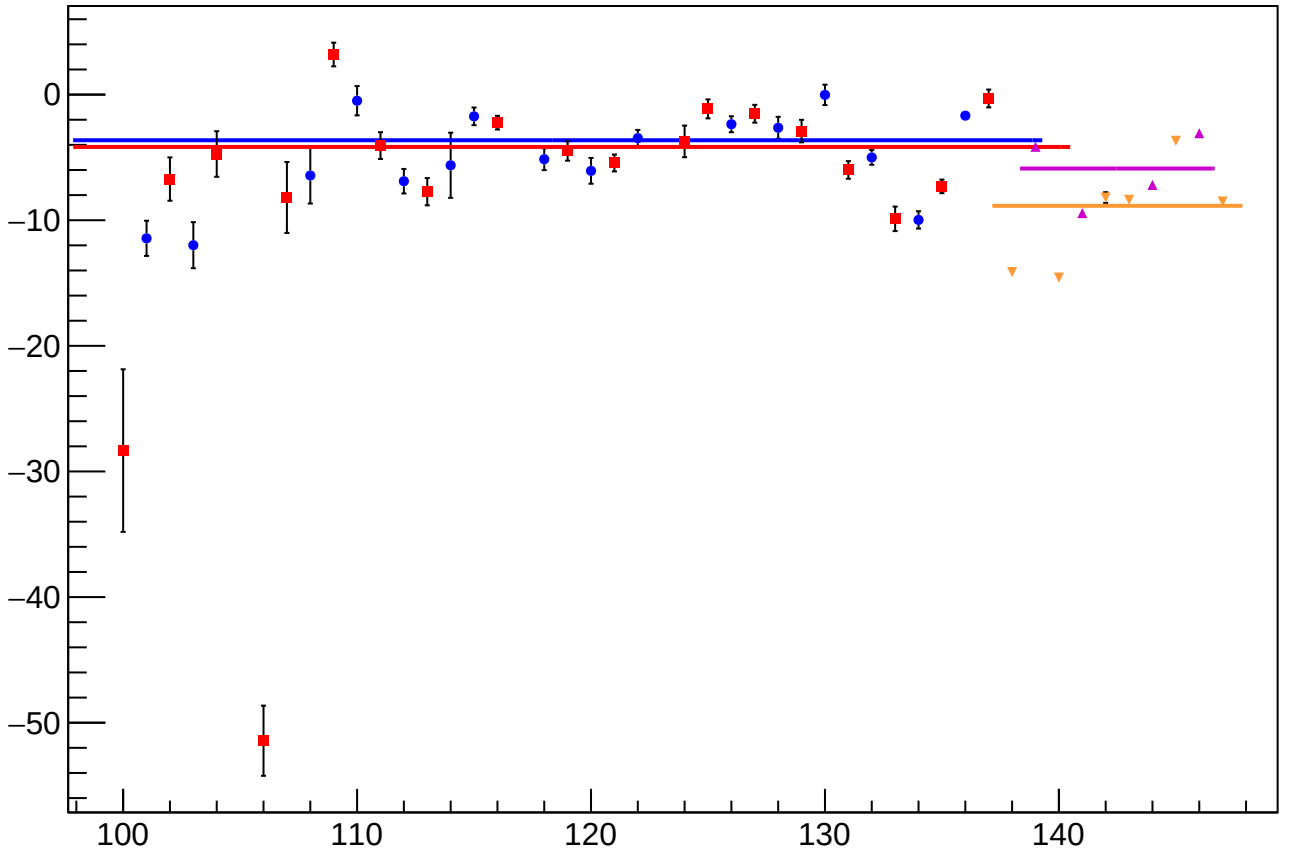
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.111+/-0.017 χ^2/NDF:58.2/3

+ sign 0.070+/-0.012 χ^2/NDF: 1244.5/21

All: 0.004+/-0.009 χ^2/NDF: 2510.4/44

- sign -0.070+/-0.013 χ^2/NDF: 1206.0/22



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.852+/-0.123 χ^2/NDF:1266.9/5

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

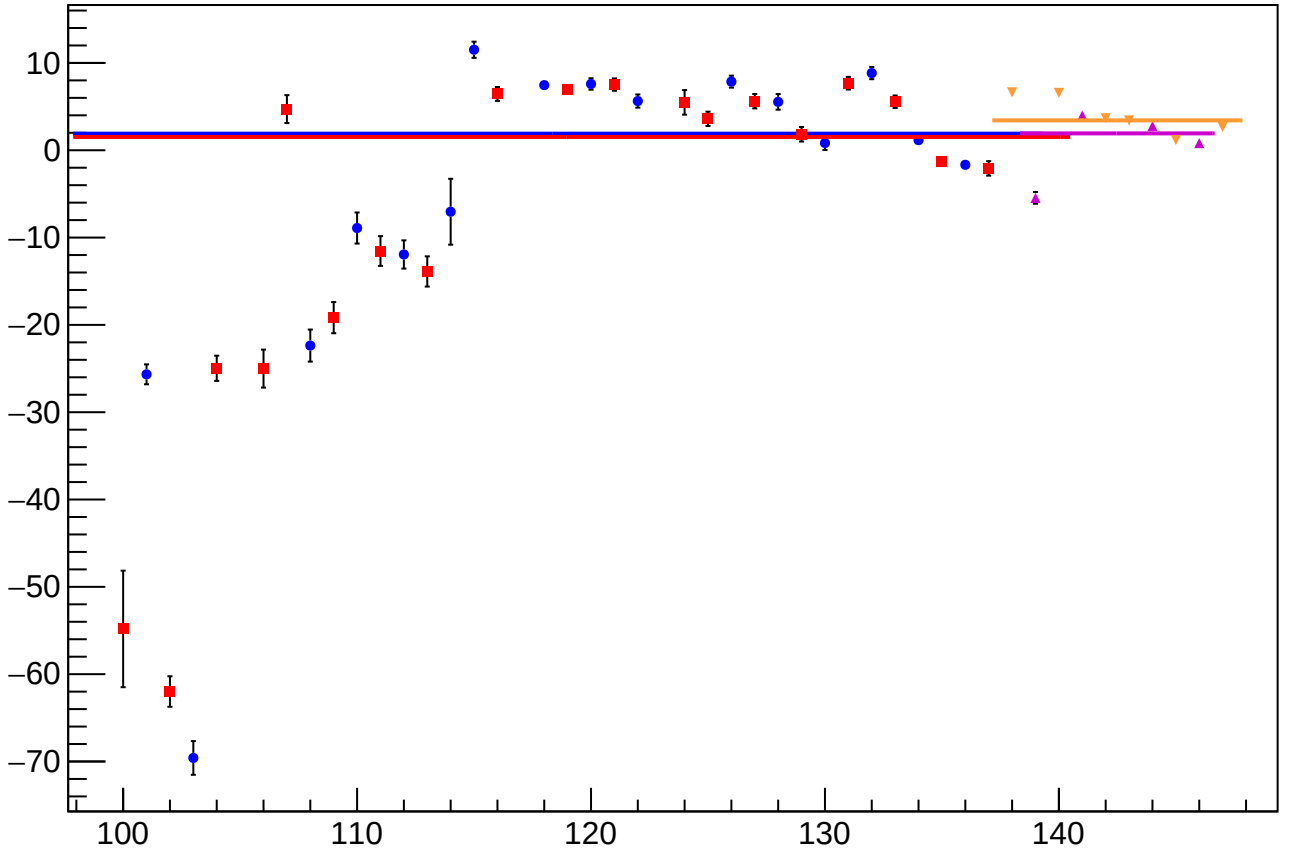
Left In: -5.884+/-0.132 χ^2/NDF:351.3/3

+ sign -7.305+/-0.103 χ^2/NDF: 2037.8/21

All: -6.400+/-0.075 χ^2/NDF: 3136.6/44

- sign -5.359+/-0.110 χ^2/NDF: 932.4/22

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.423+/-0.089 χ^2/NDF:476.3/5

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

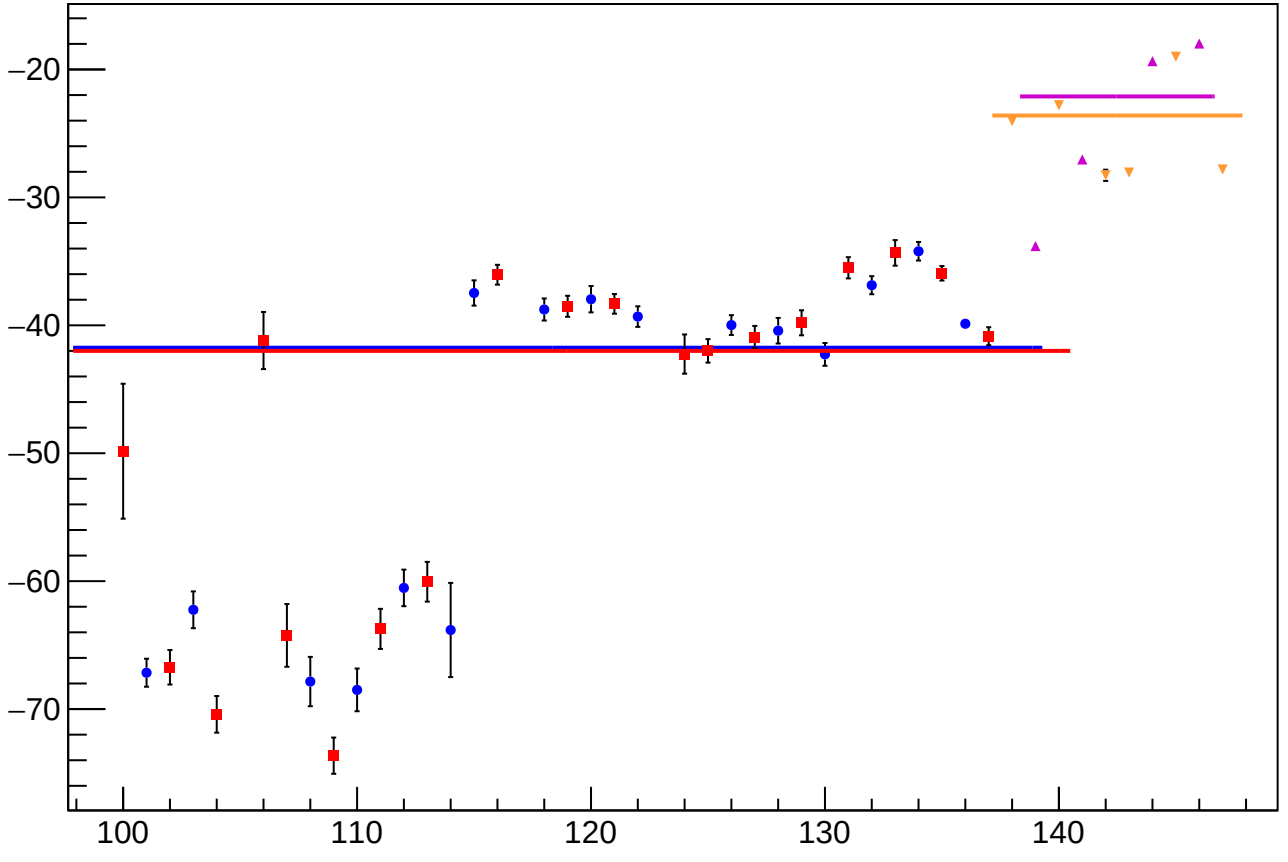
Left In: 1.932+/-0.095 χ^2/NDF:303.6/3

+ sign 3.148+/-0.080 χ^2/NDF: 3367.8/21

All: 2.551+/-0.059 χ^2/NDF: 6353.5/44

- sign 1.862+/-0.086 χ^2/NDF: 2866.6/22

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.598+/-0.125 χ^2/NDF:889.9/5

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

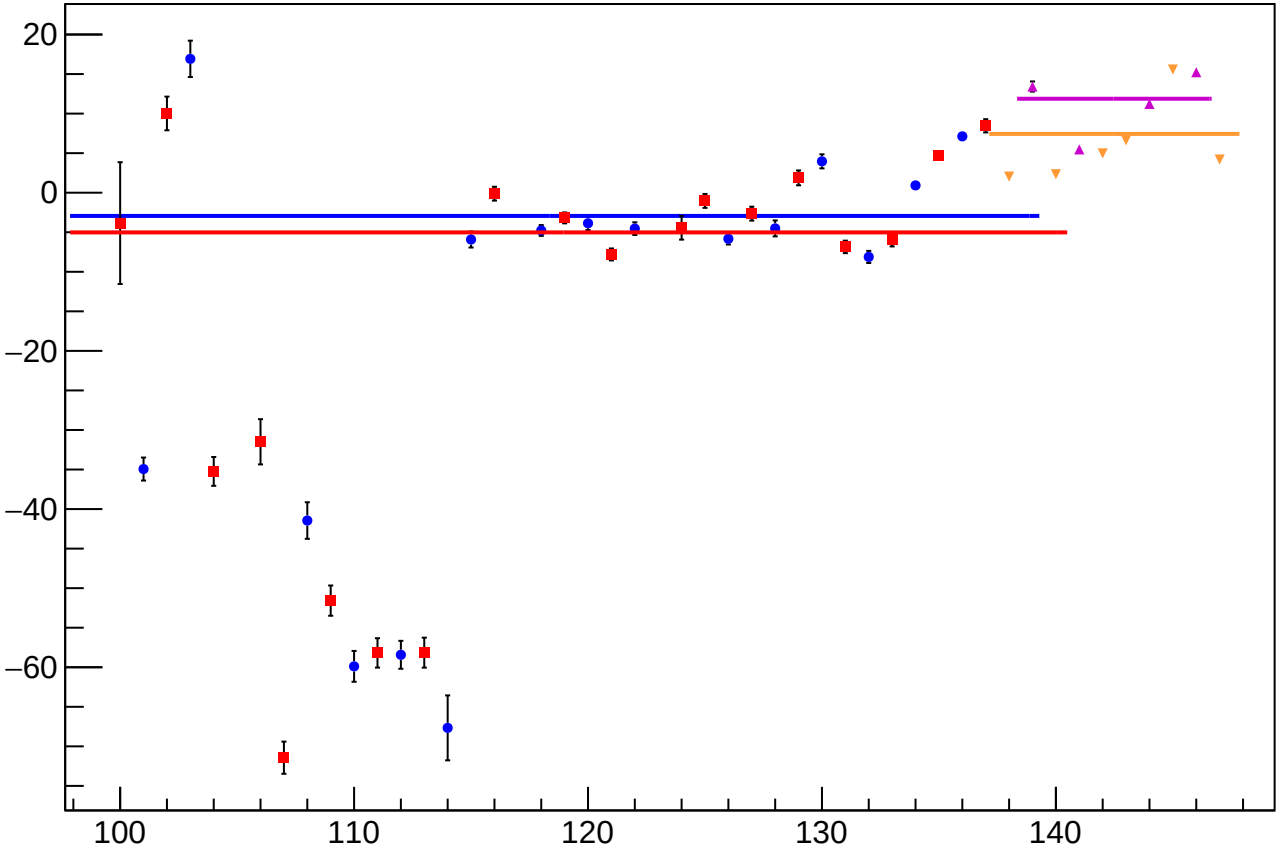
Left In: -22.106+/-0.133 χ^2/NDF:1682.6/3

+ sign -28.429+/-0.107 χ^2/NDF: 8133.8/21

All: -27.846+/-0.078 χ^2/NDF: 17525.8/44

- sign -27.172+/-0.115 χ^2/NDF: 9328.2/22

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 7.432+/-0.108 χ^2/NDF:2422.1/5

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

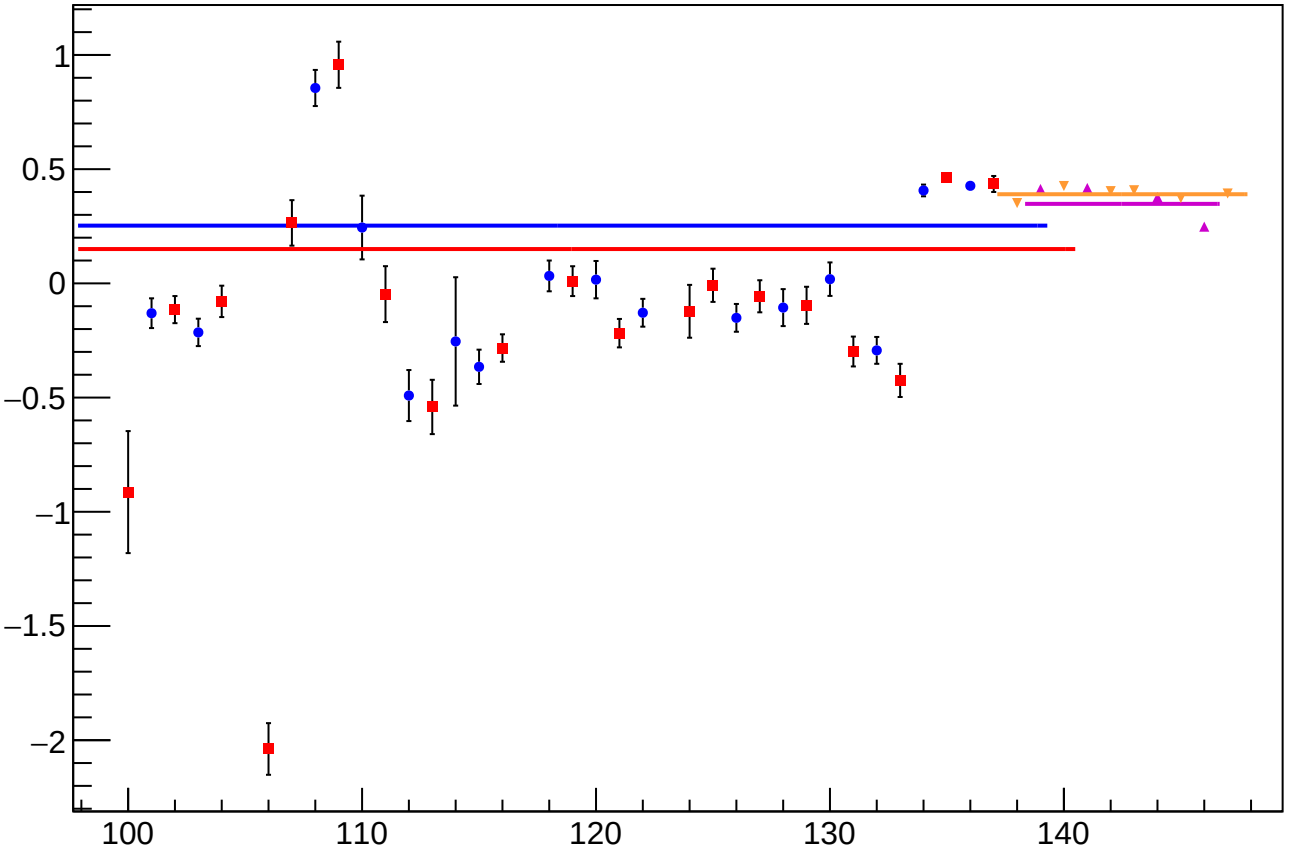
Left In: 11.879+/-0.114 χ^2/NDF:1028.9/3

+ sign 5.258+/-0.096 χ^2/NDF: 8080.4/21

All: 6.815+/-0.070 χ^2/NDF: 18326.4/44

- sign 8.585+/-0.102 χ^2/NDF: 9684.0/22

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:21.5/5

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

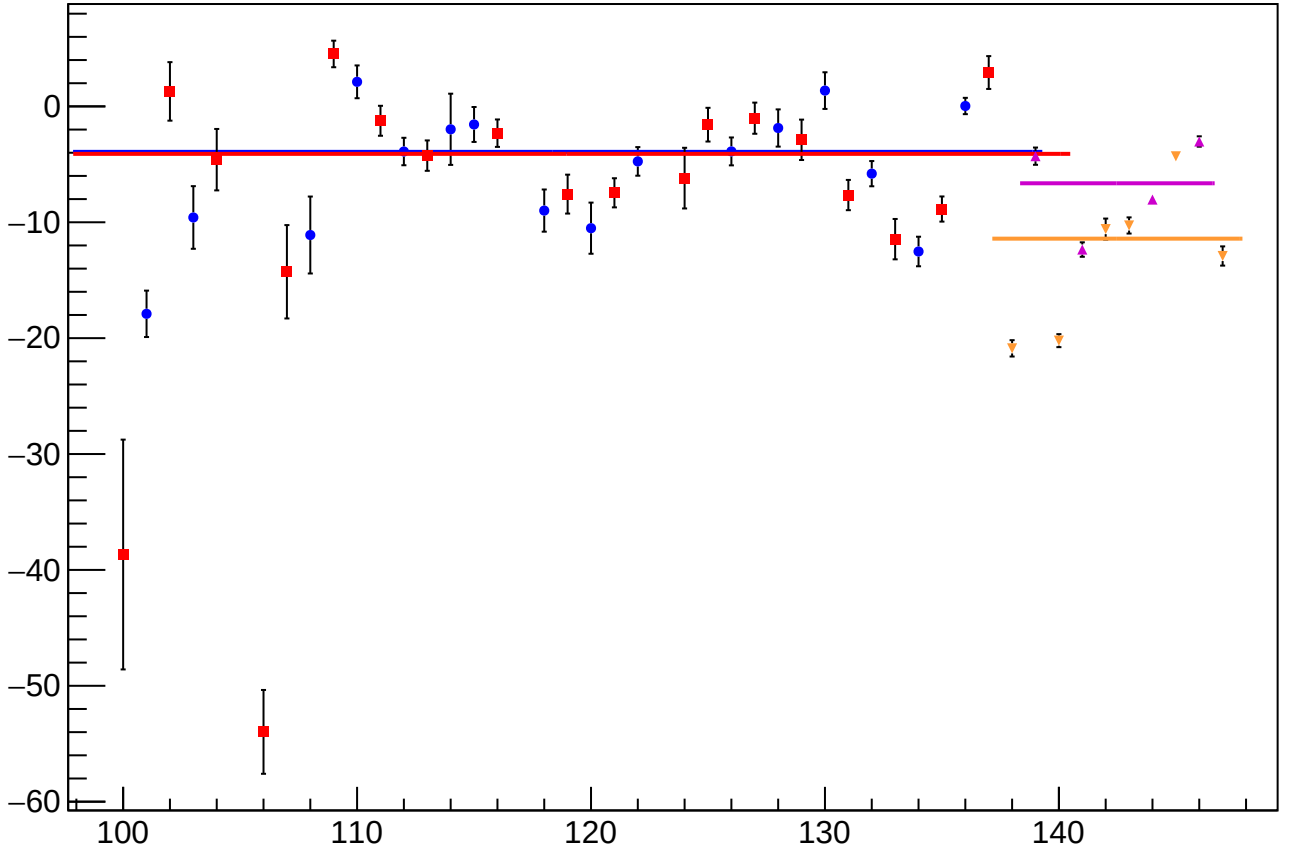
Left In: 0.348+/-0.006 χ^2/NDF:169.3/3

+ sign 0.367+/-0.005 χ^2/NDF: 771.5/21

All: 0.345+/-0.003 χ^2/NDF: 2192.8/44

- sign 0.318+/-0.005 χ^2/NDF: 1373.7/22

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.413+/-0.247 χ^2/NDF:758.1/5

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

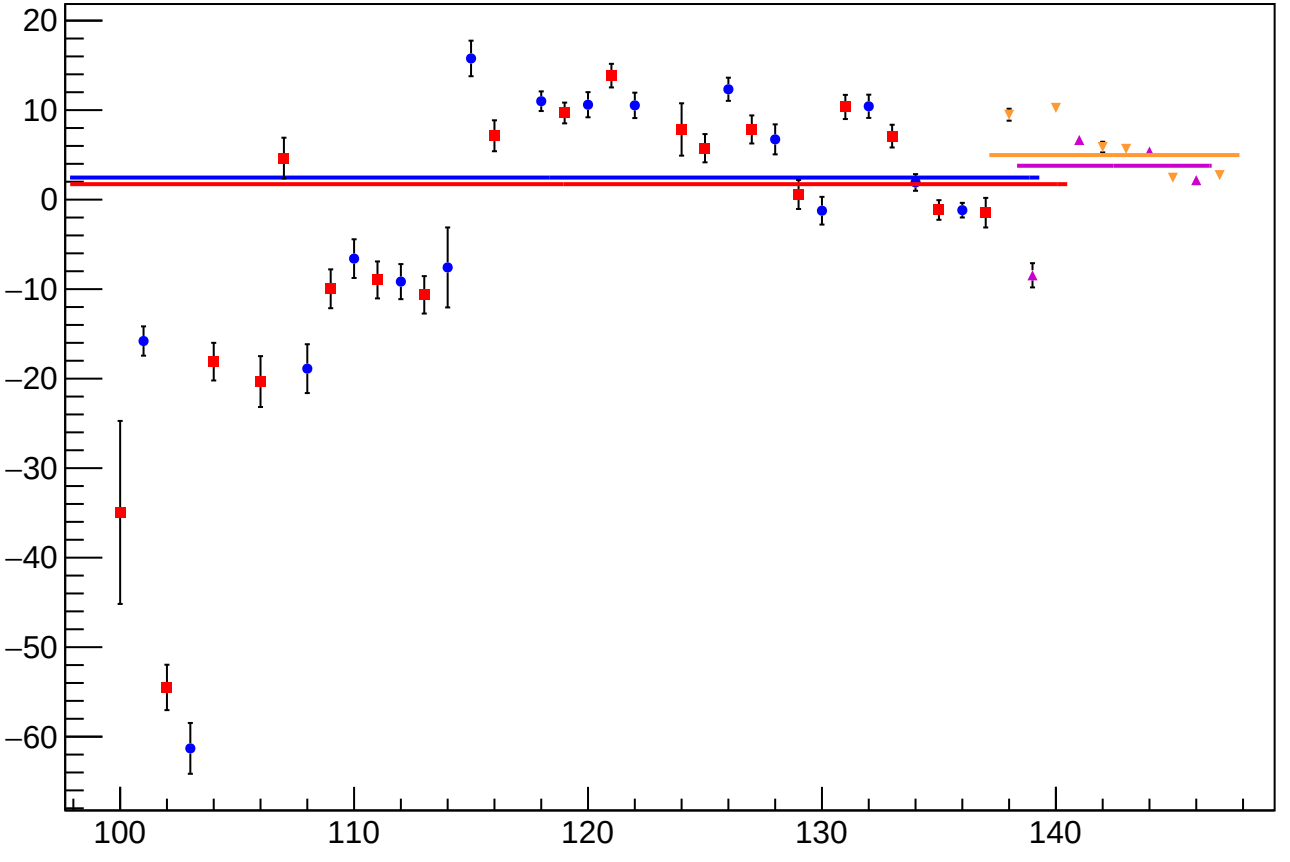
Left In: -6.635+/-0.260 χ^2/NDF:169.2/3

+ sign -8.882+/-0.201 χ^2/NDF: 1257.0/21

All: -7.387+/-0.145 χ^2/NDF: 1941.7/44

- sign -5.753+/-0.210 χ^2/NDF: 569.1/22

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.978+/-0.181 χ^2/NDF:277.5/5

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

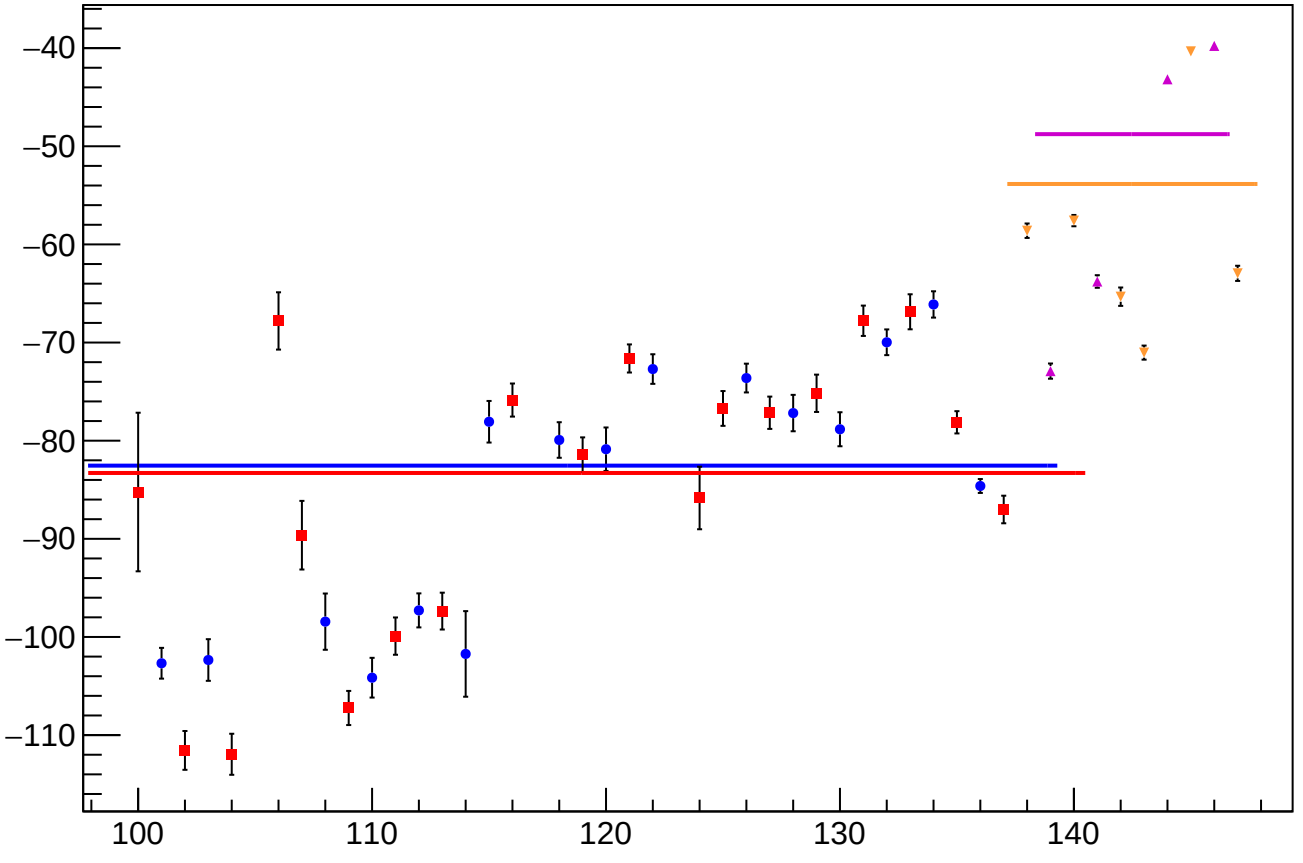
Left In: 3.785+/-0.183 χ^2/NDF:184.5/3

+ sign 4.462+/-0.162 χ^2/NDF: 1363.6/21

All: 3.947+/-0.116 χ^2/NDF: 2575.2/44

- sign 3.406+/-0.166 χ^2/NDF: 1190.8/22

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -53.843+/-0.253 χ^2/NDF:2052.4/5

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

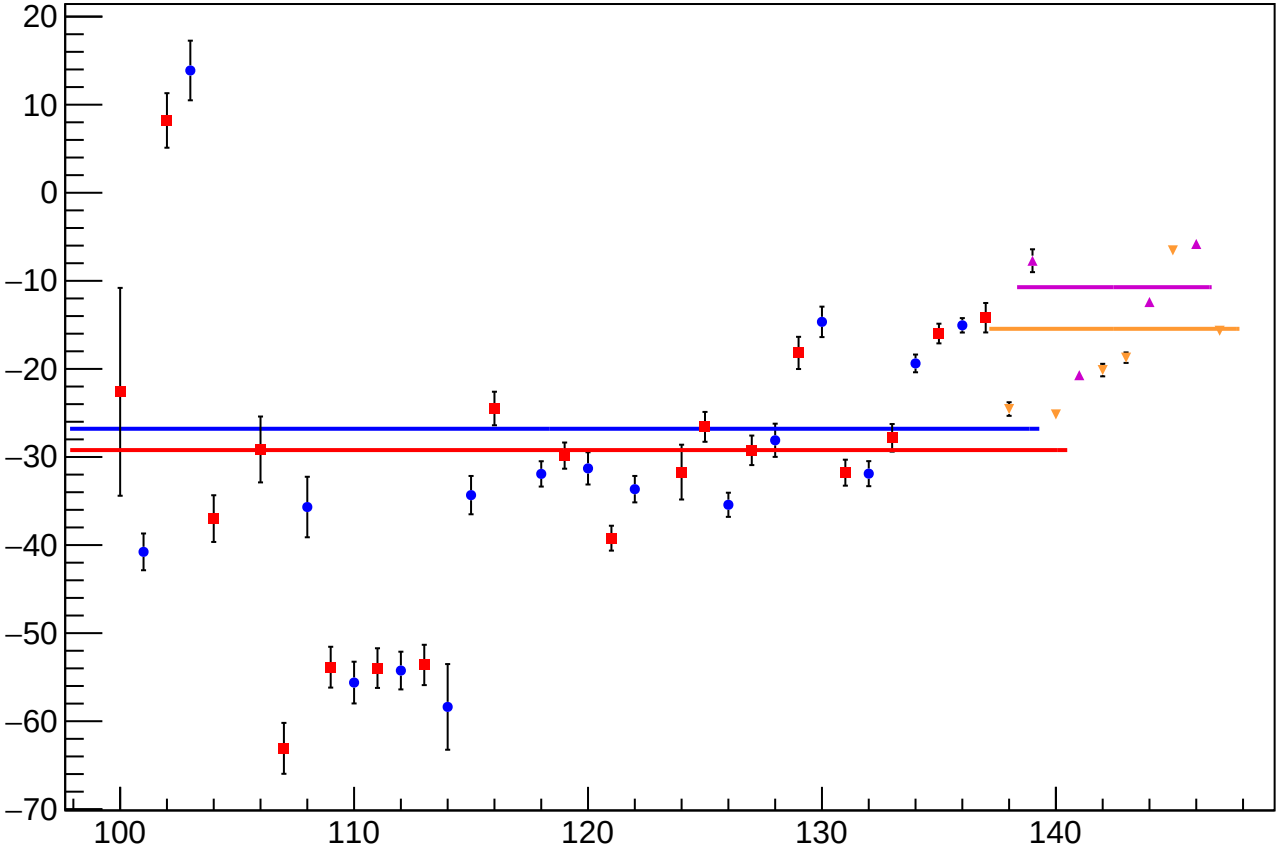
Left In: -48.765+/-0.262 χ^2/NDF:2112.5/3

\+ sign -62.505+/-0.211 χ^2/NDF: 6784.5/21

All: -60.665+/-0.153 χ^2/NDF: 15108.5/44

\- sign -58.639+/-0.222 χ^2/NDF: 8164.4/22

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.447+/-0.219 χ^2/NDF:1105.8/5

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

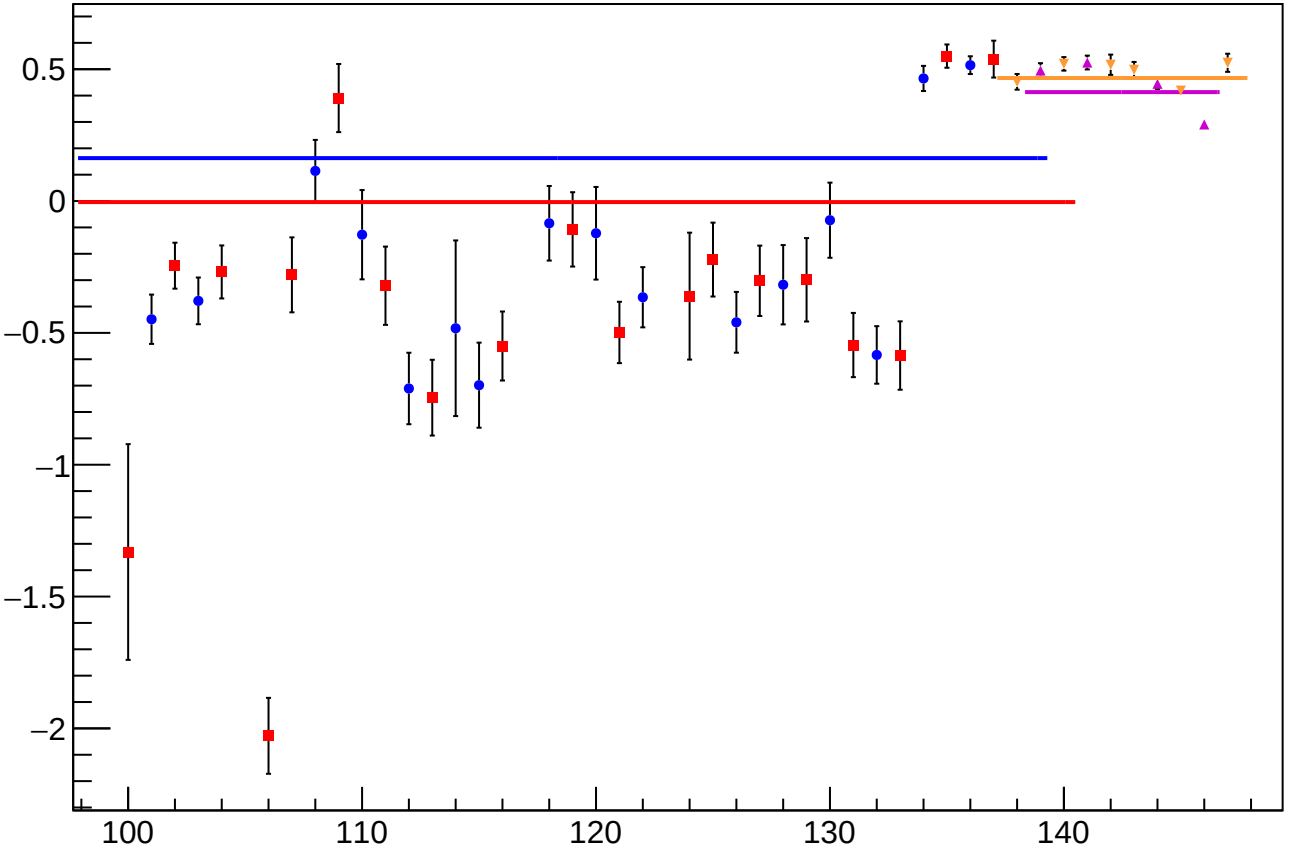
Left In: -10.720+/-0.222 χ^2/NDF:585.2/3

+ sign -18.117+/-0.192 χ^2/NDF: 2698.7/21

All: -16.407+/-0.138 χ^2/NDF: 5862.8/44

- sign -14.598+/-0.197 χ^2/NDF: 3000.7/22

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.467+/-0.010 χ^2/NDF:19.0/5

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

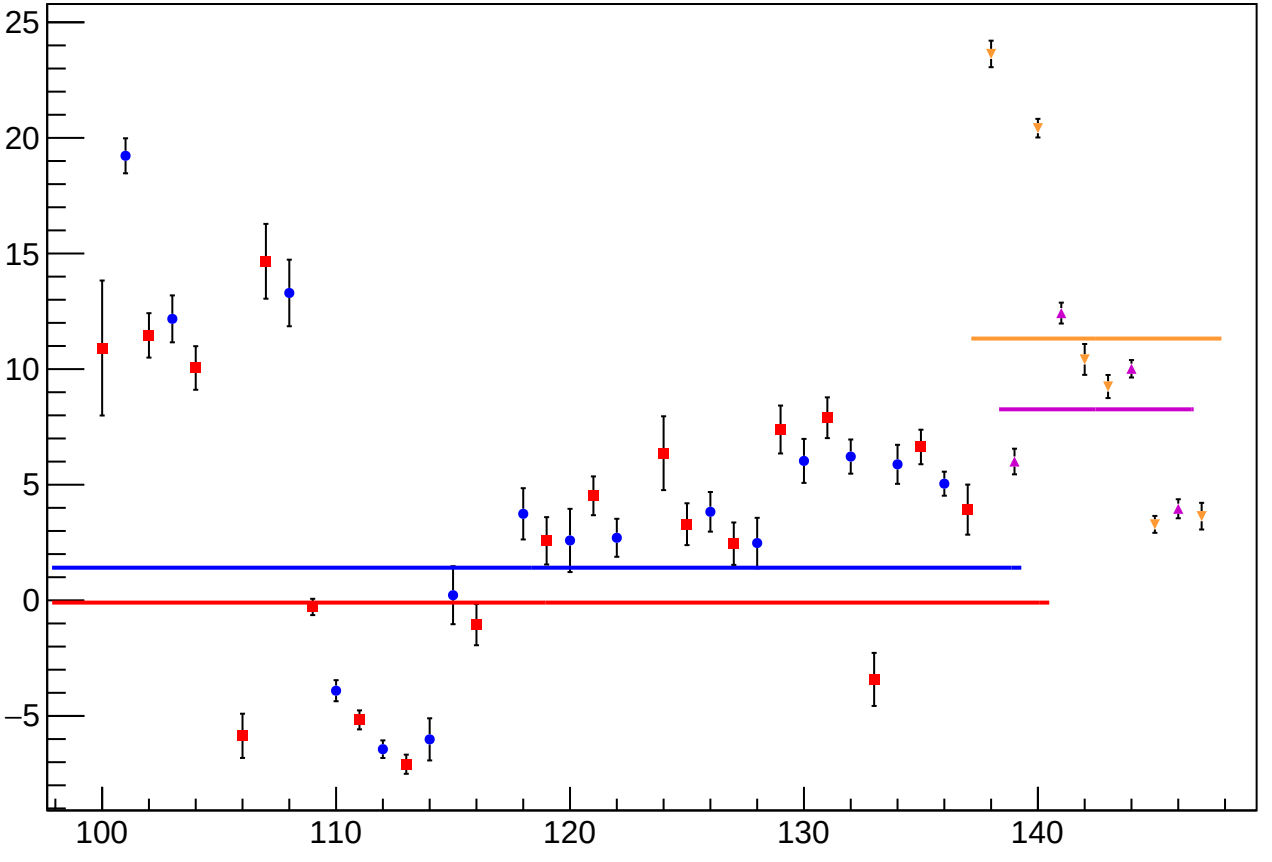
Left In: 0.413+/-0.011 χ^2/NDF:72.5/3

+ sign 0.408+/-0.009 χ^2/NDF: 604.1/21

All: 0.377+/-0.007 χ^2/NDF: 1515.1/44

- sign 0.342+/-0.010 χ^2/NDF: 888.3/22

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: 11.321+/-0.196 χ^2/NDF:1650.7/5

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

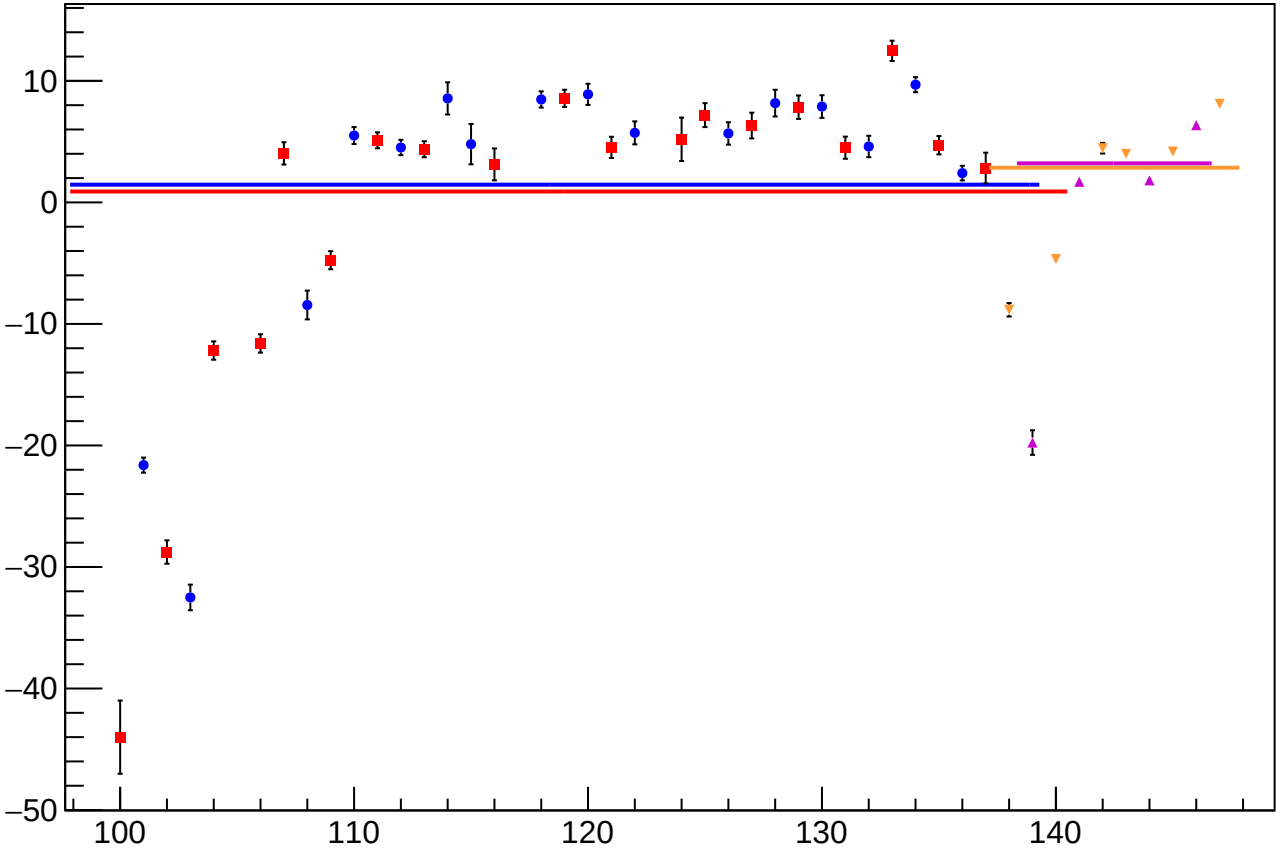
Left In: 8.261+/-0.218 χ^2/NDF:232.3/3

+ sign 6.022+/-0.134 χ^2/NDF: 4535.5/21

All: 4.501+/-0.094 χ^2/NDF: 7097.0/44

- sign 3.006+/-0.133 χ^2/NDF: 2305.6/22

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.855+/-0.141 χ^2/NDF:1390.1/5

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

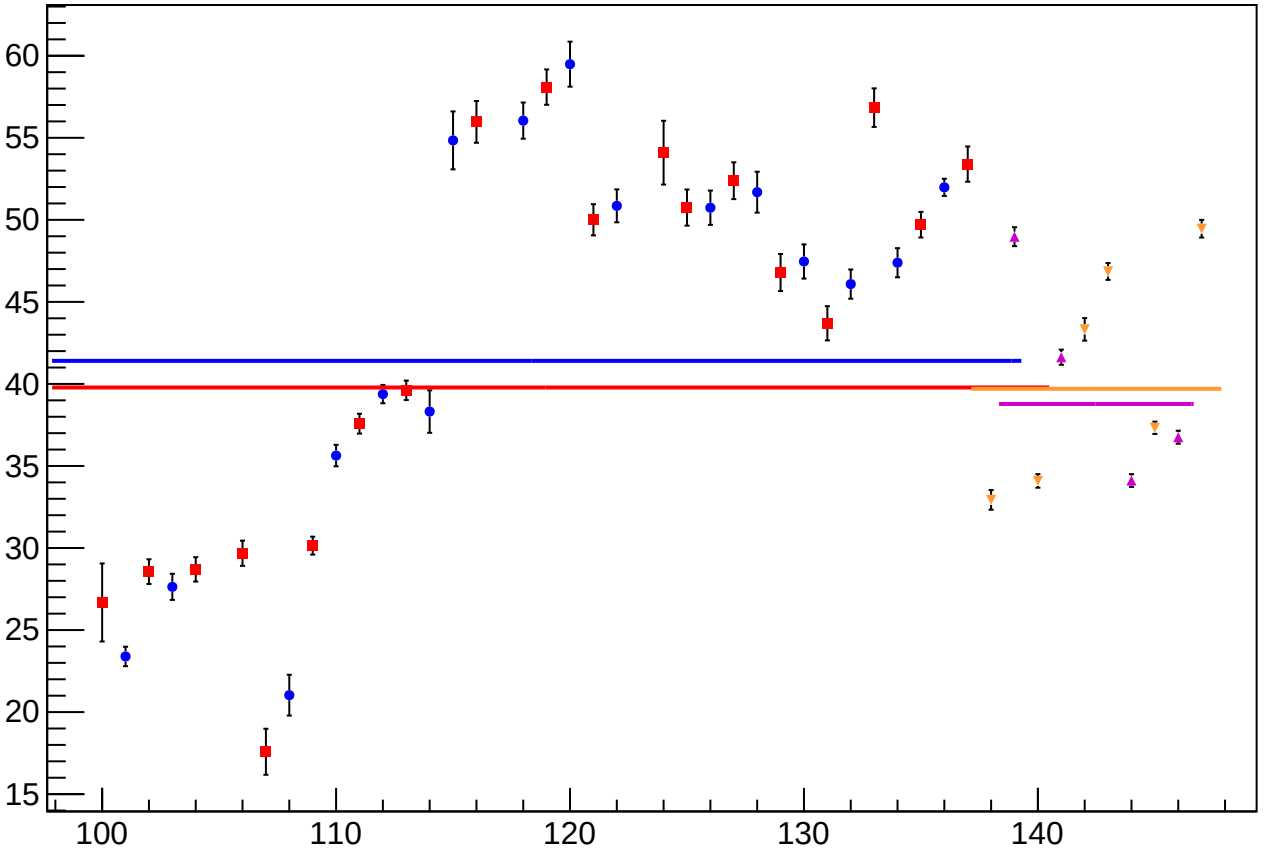
Left In: 3.210+/-0.157 χ^2/NDF:733.8/3

+ sign 2.403+/-0.116 χ^2/NDF: 4502.2/21

All: 2.373+/-0.085 χ^2/NDF: 7694.9/44

- sign 2.338+/-0.124 χ^2/NDF: 3192.6/22

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: 39.705+/-0.200 χ^2/NDF:902.4/5

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

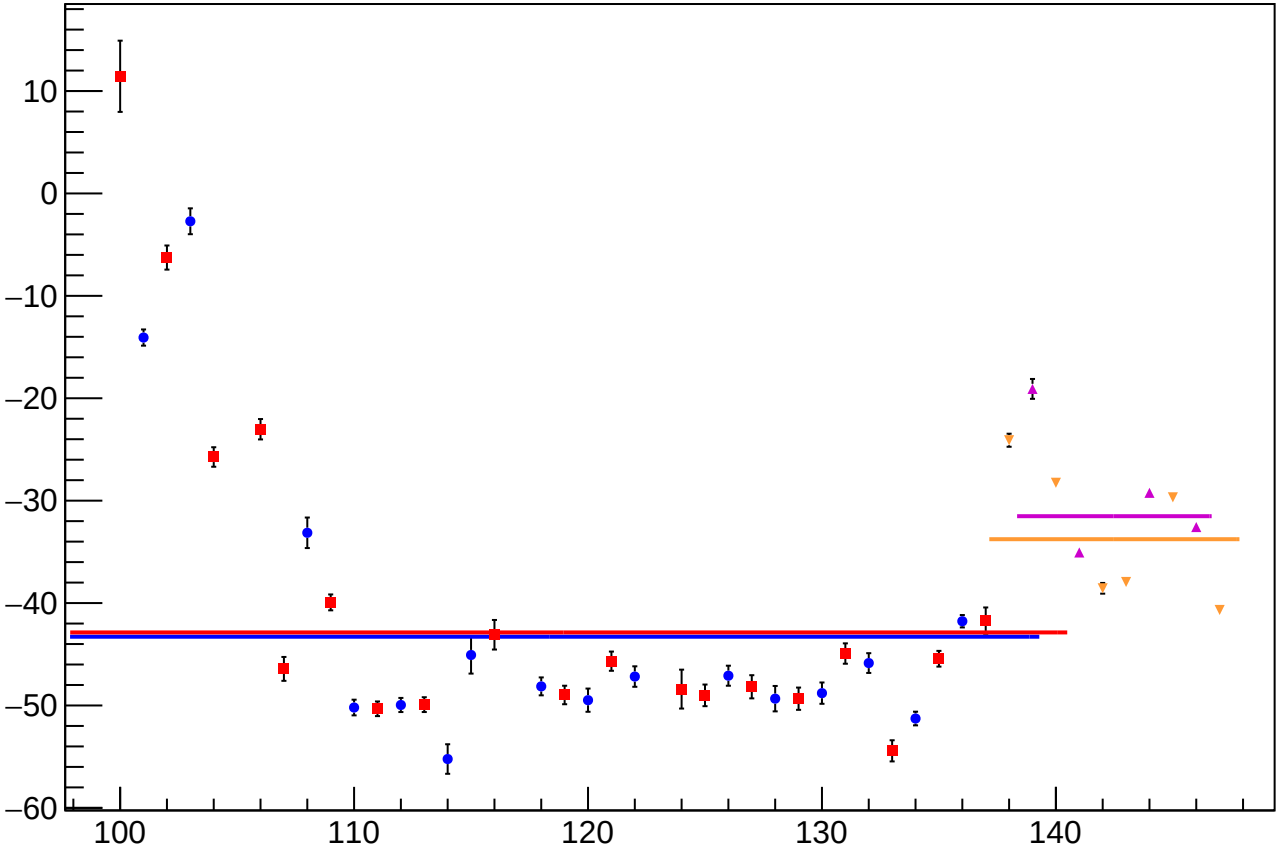
Left In: 38.782+/-0.220 χ^2/NDF:520.2/3

+ sign 40.511+/-0.145 χ^2/NDF: 3682.8/21

All: 39.934+/-0.104 χ^2/NDF: 6900.6/44

- sign 39.323+/-0.149 χ^2/NDF: 3185.2/22

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: -33.763+/-0.172 χ^2/NDF:1099.4/5

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

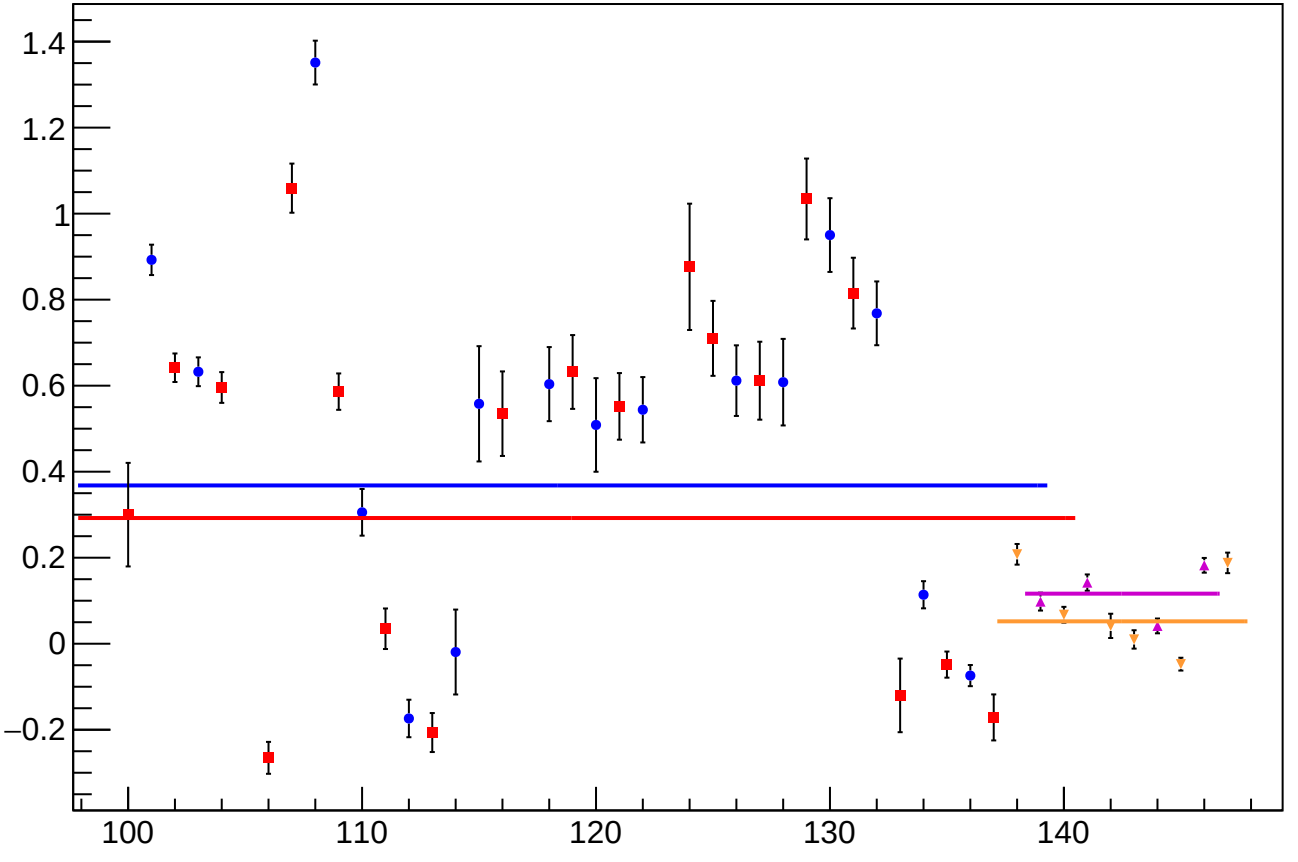
Left In: -31.517+/-0.189 χ^2/NDF:307.1/3

+ sign -37.192+/-0.138 χ^2/NDF: 5187.9/21

All: -36.689+/-0.100 χ^2/NDF: 9436.7/44

- sign -36.124+/-0.146 χ^2/NDF: 4220.5/22

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: 0.052+/-0.008 χ^2/NDF:123.8/5

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

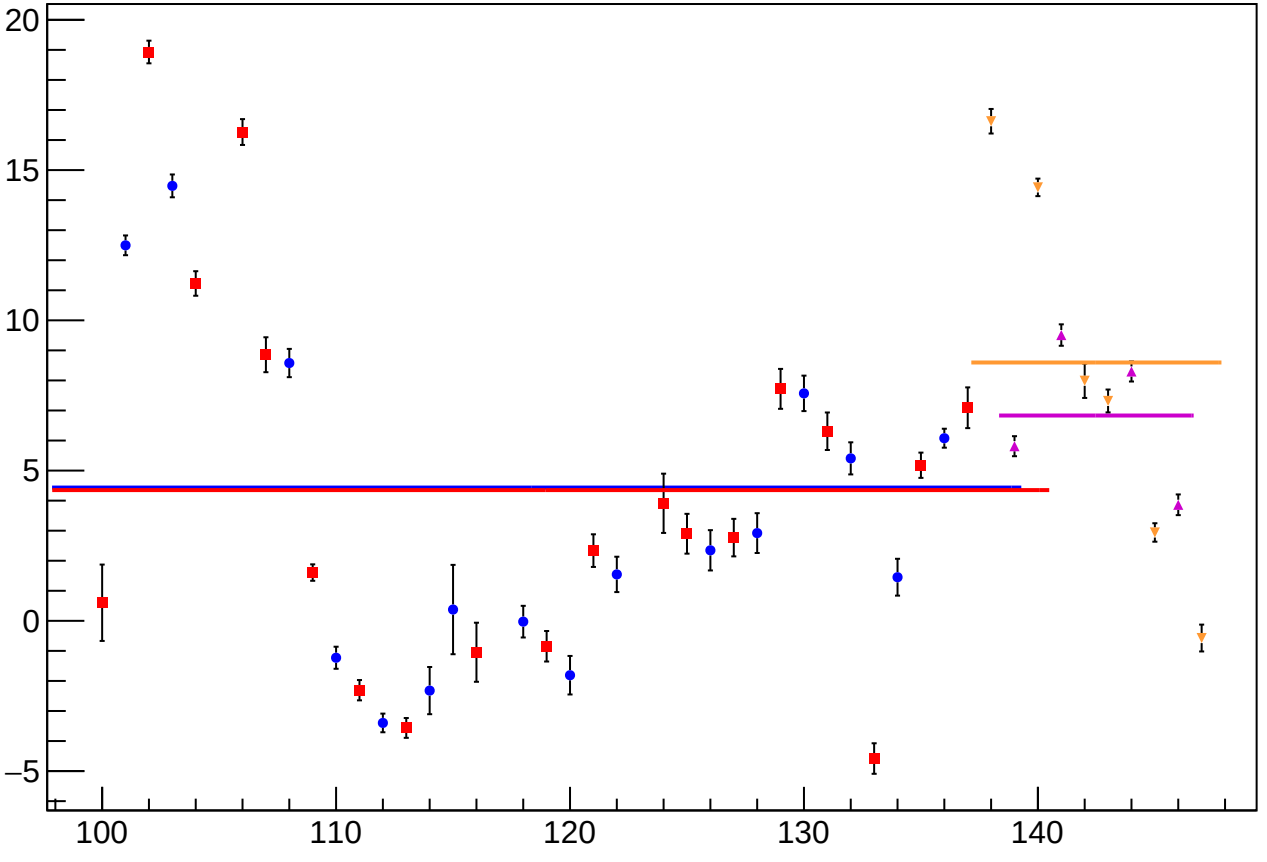
Left In: 0.116+/-0.009 χ^2/NDF:36.4/3

+ sign 0.153+/-0.007 χ^2/NDF: 1901.9/21

All: 0.166+/-0.005 χ^2/NDF: 3279.3/44

- sign 0.181+/-0.007 χ^2/NDF: 1369.7/22

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: 8.597+/-0.152 χ^2/NDF:1558.7/5

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

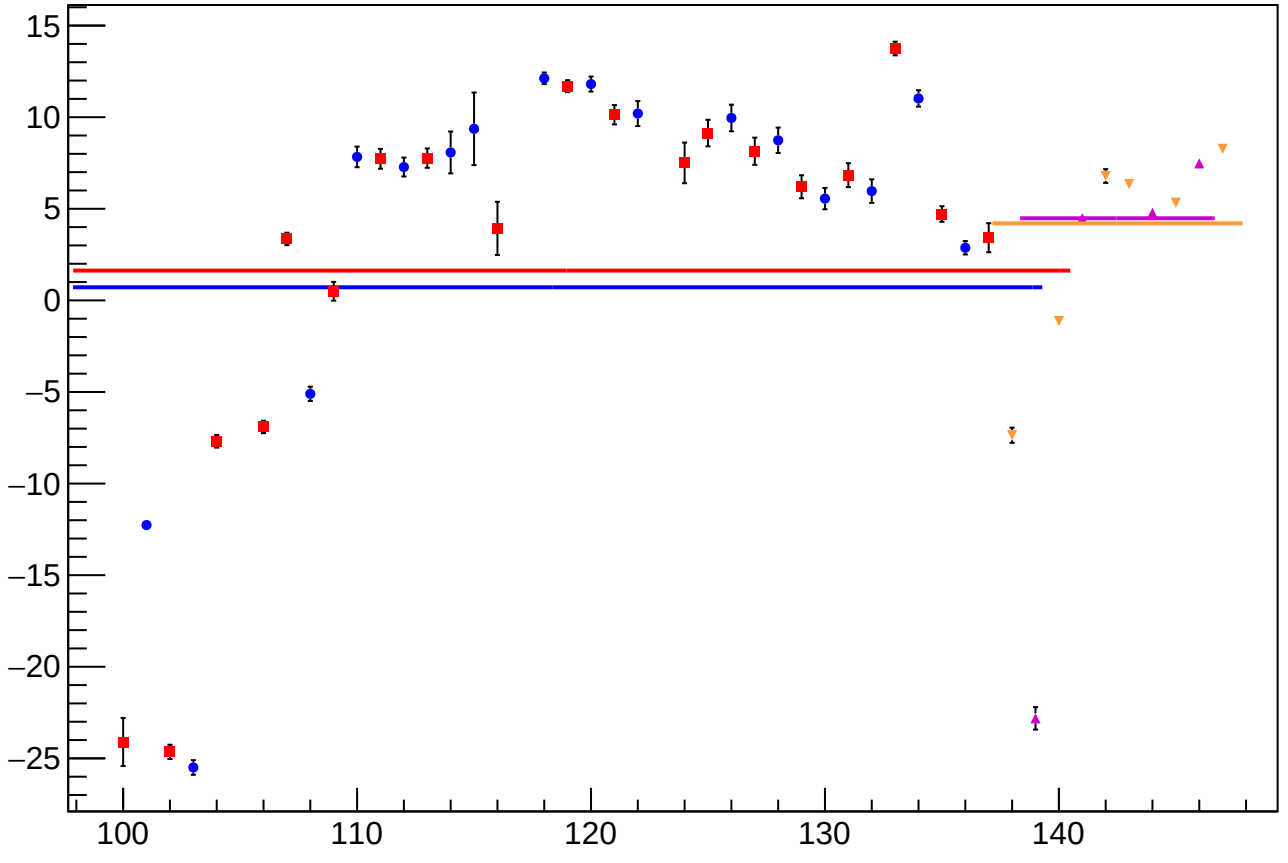
Left In: 6.833+/-0.171 χ^2/NDF:159.4/3

+ sign 5.984+/-0.093 χ^2/NDF: 4652.0/21

All: 5.523+/-0.065 χ^2/NDF: 9215.7/44

- sign 5.070+/-0.092 χ^2/NDF: 4514.6/22

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: 4.207+/-0.111 χ^2/NDF:1762.8/5

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

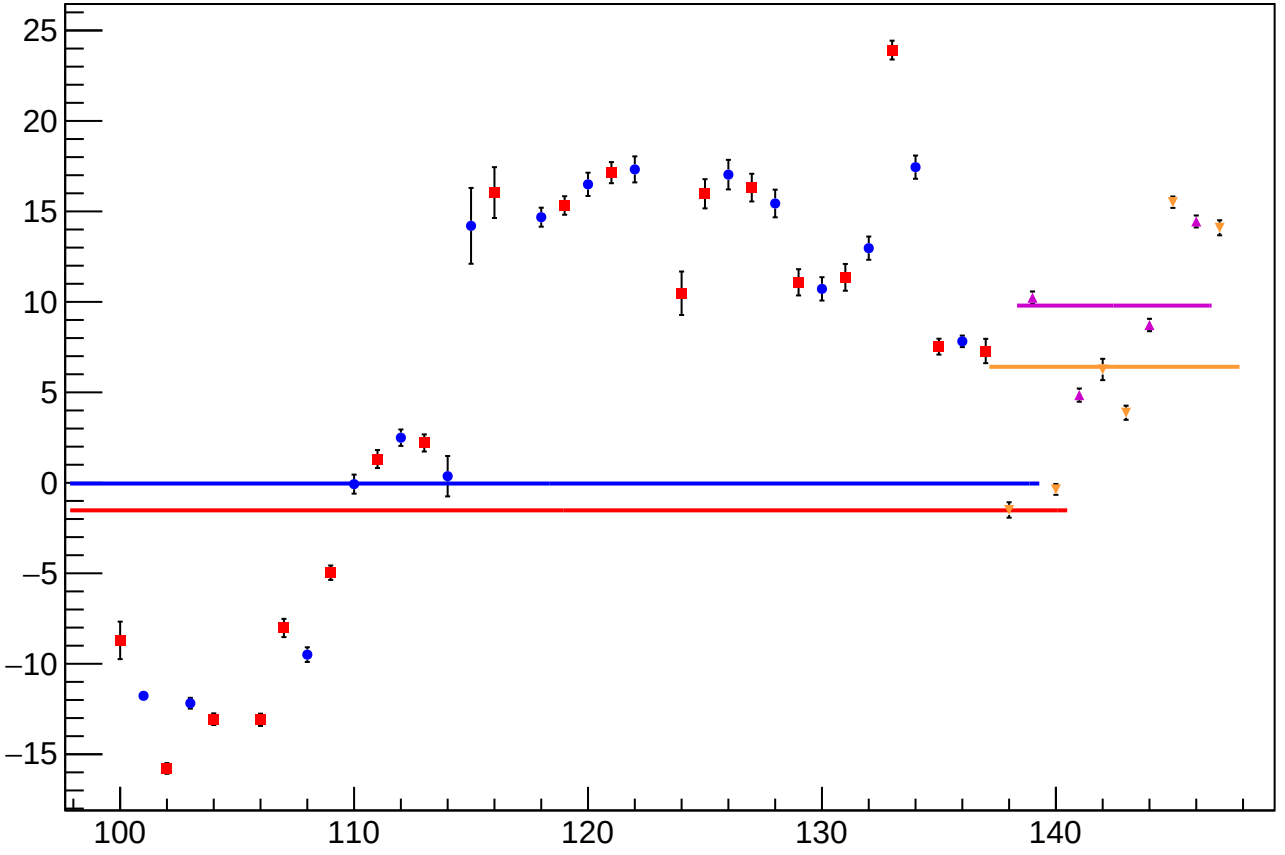
Left In: 4.482+/-0.133 χ^2/NDF:2195.7/3

+ sign 2.534+/-0.080 χ^2/NDF: 12689.5/21

All: 2.657+/-0.058 χ^2/NDF: 24416.6/44

- sign 2.797+/-0.085 χ^2/NDF: 11722.1/22

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: 6.413+/-0.155 χ^2/NDF:2070.1/5

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

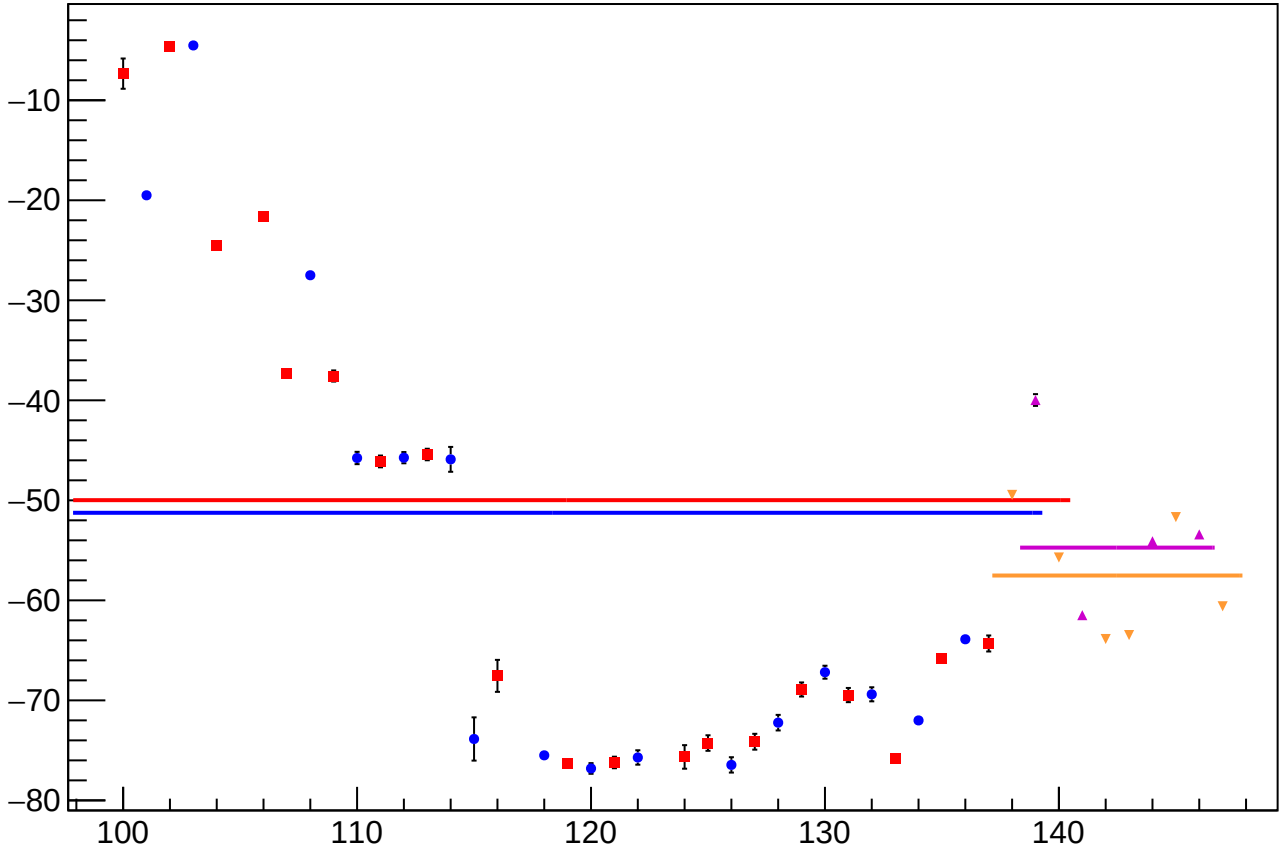
Left In: 9.795+/-0.173 χ^2/NDF:391.0/3

+ sign 2.372+/-0.094 χ^2/NDF: 12435.6/21

All: 2.163+/-0.067 χ^2/NDF: 27930.3/44

- sign 1.948+/-0.096 χ^2/NDF: 15484.8/22

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.518+/-0.135 χ^2/NDF:1381.7/5

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

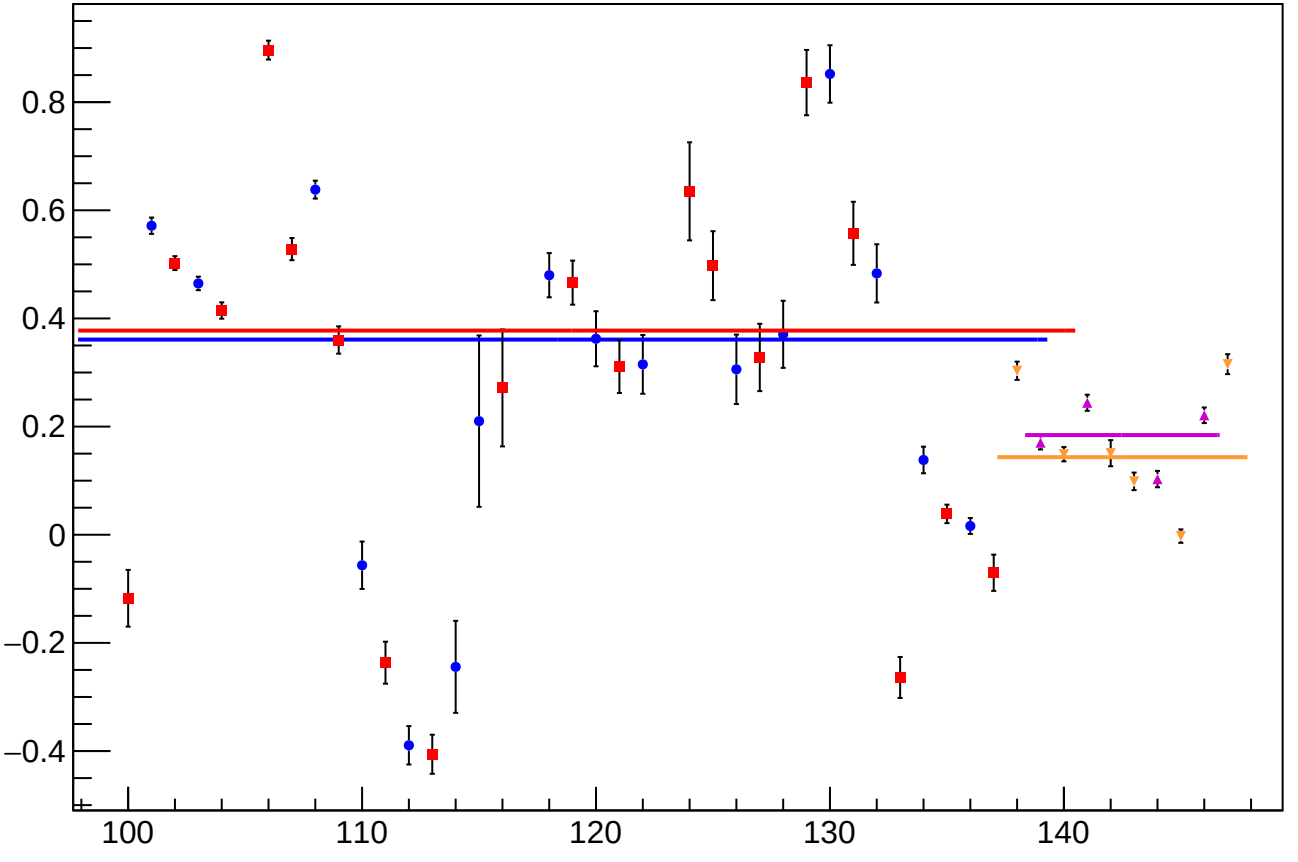
Left In: -54.728+/-0.158 χ^2/NDF:1133.8/3

+ sign -54.391+/-0.096 χ^2/NDF: 36217.2/21

All: -53.212+/-0.069 χ^2/NDF: 72097.4/44

- sign -51.910+/-0.101 χ^2/NDF: 35561.8/22

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: 0.143+/-0.006 χ^2/NDF:321.5/5

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

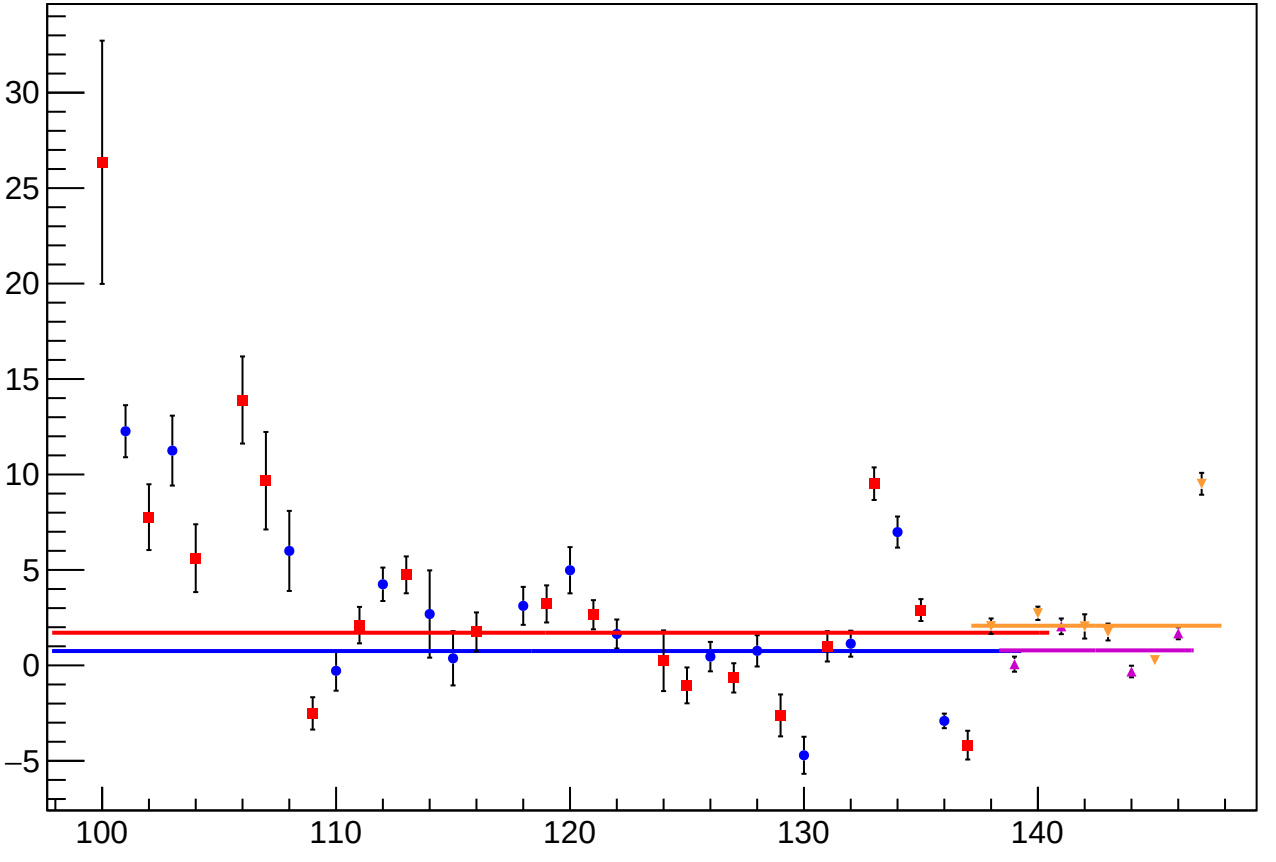
Left In: 0.184+/-0.007 χ^2/NDF:52.6/3

+ sign 0.253+/-0.005 χ^2/NDF: 2758.5/21

All: 0.274+/-0.003 χ^2/NDF: 6069.6/44

- sign 0.295+/-0.005 χ^2/NDF: 3269.9/22

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: 2.078+/-0.159 χ^2/NDF:218.9/5

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

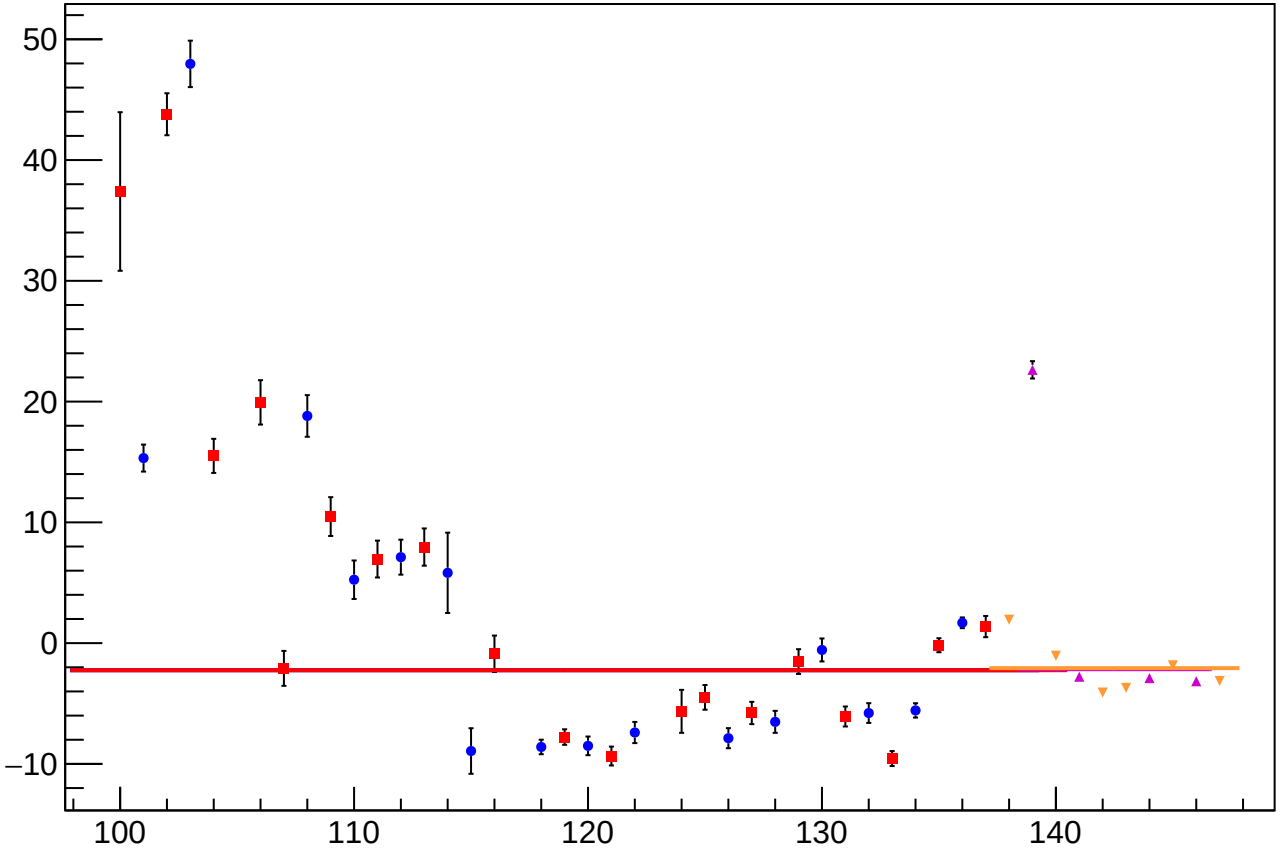
Left In: 0.786+/-0.173 χ^2/NDF:34.1/3

+ sign 1.600+/-0.128 χ^2/NDF: 574.0/21

All: 1.383+/-0.093 χ^2/NDF: 918.8/44

- sign 1.134+/-0.137 χ^2/NDF: 338.7/22

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: -2.072+/-0.120 χ^2/NDF:182.3/5

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

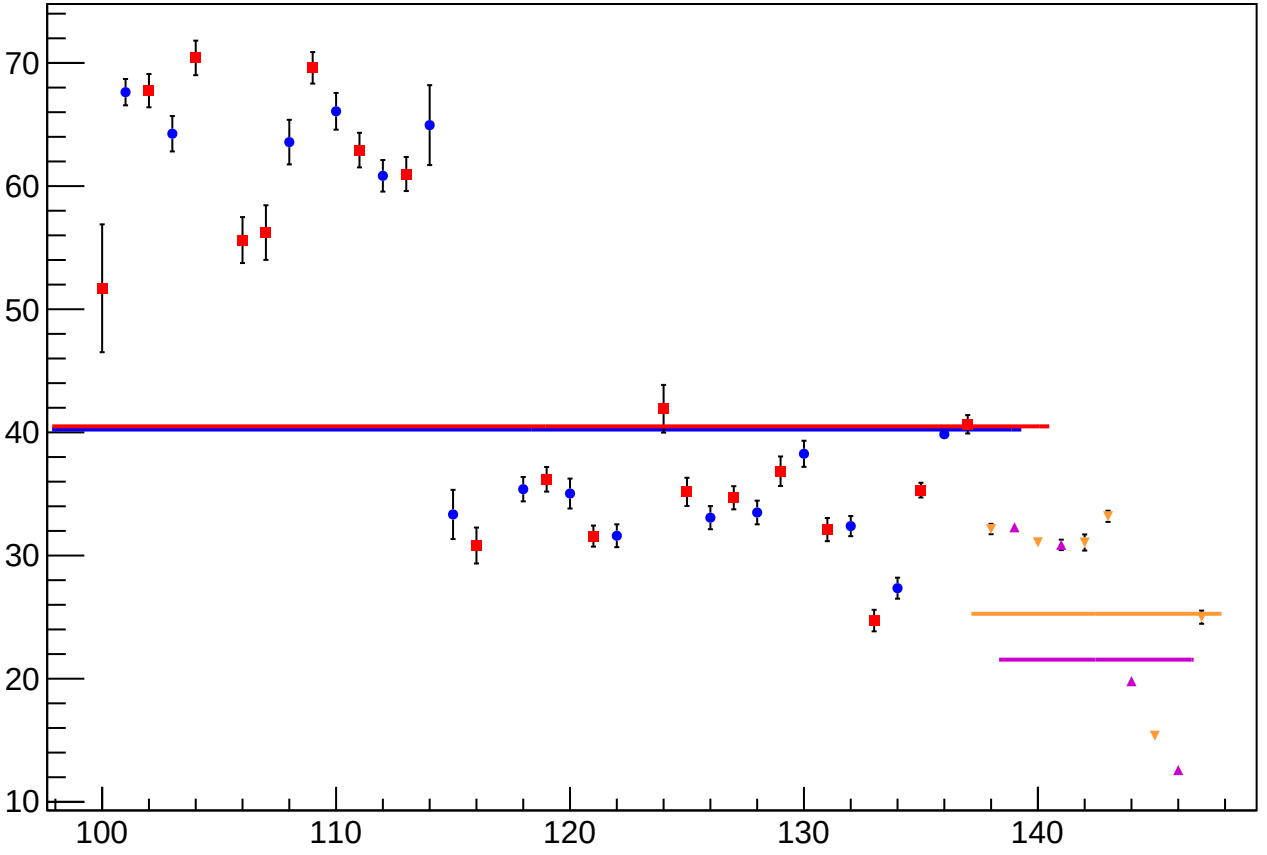
Left In: -2.160+/-0.129 χ^2/NDF:1233.5/3

+ sign -2.113+/-0.105 χ^2/NDF: 1755.3/21

All: -2.144+/-0.077 χ^2/NDF: 4544.7/44

- sign -2.180+/-0.113 χ^2/NDF: 2789.2/22

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.274+/-0.163 χ^2/NDF:2235.4/5

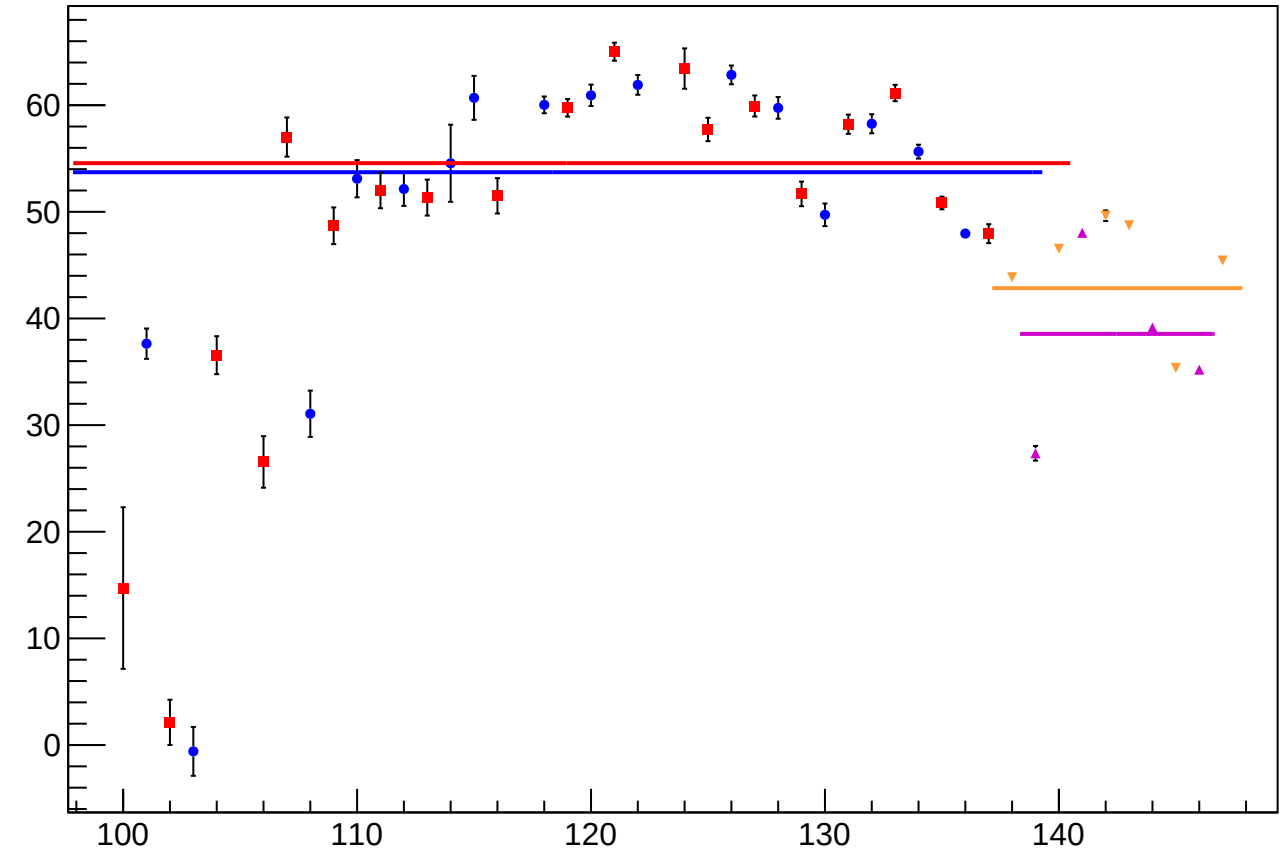
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.546+/-0.175 χ^2/NDF:2086.8/3

+ sign 30.242+/-0.133 χ^2/NDF: 7316.4/21

All: 29.092+/-0.098 χ^2/NDF: 16105.8/44

- sign 27.762+/-0.143 χ^2/NDF: 8629.2/22



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.842+/-0.144 χ^2/NDF:1518.1/5

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

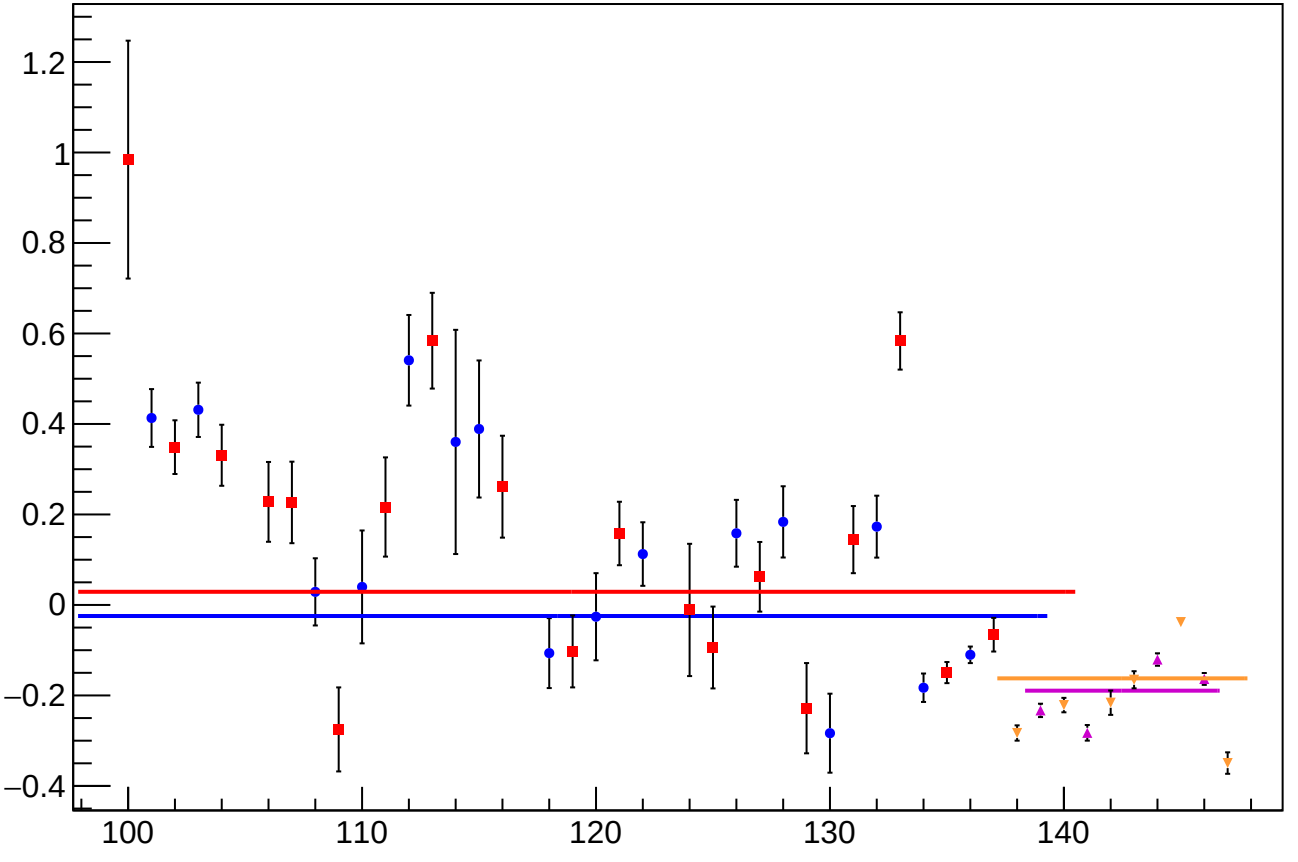
Left In: 38.553+/-0.154 χ^2/NDF:1171.5/3

+ sign 45.743+/-0.123 χ^2/NDF: 4398.2/21

All: 44.383+/-0.090 χ^2/NDF: 10039.4/44

- sign 42.821+/-0.132 χ^2/NDF: 5380.4/22

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: -0.162+/-0.007 χ^2/NDF:264.2/5

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

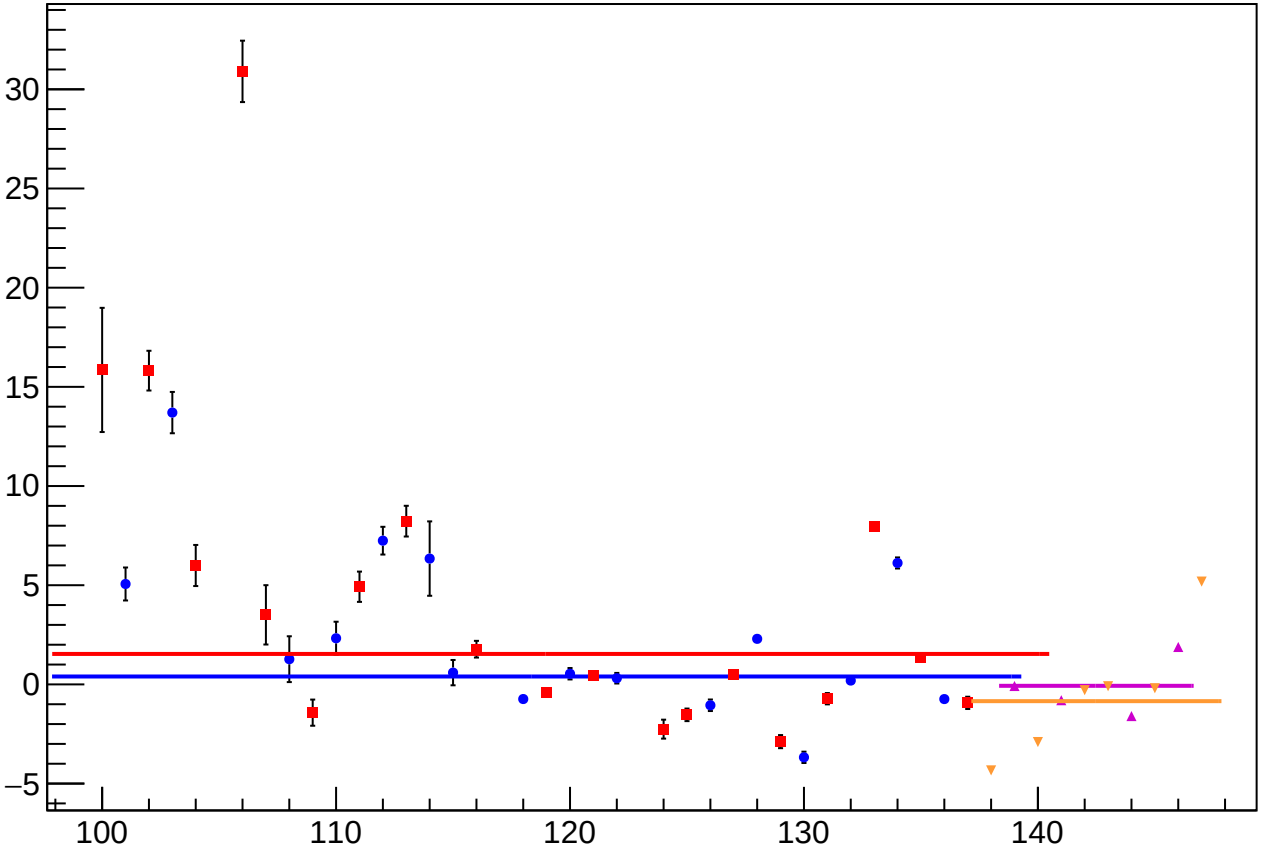
Left In: -0.189+/-0.007 χ^2/NDF:66.7/3

+ sign -0.132+/-0.006 χ^2/NDF: 584.6/21

All: -0.138+/-0.004 χ^2/NDF: 1116.5/44

- sign -0.144+/-0.006 χ^2/NDF: 530.0/22

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: -0.845+/-0.059 χ^2/NDF:1694.7/5

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

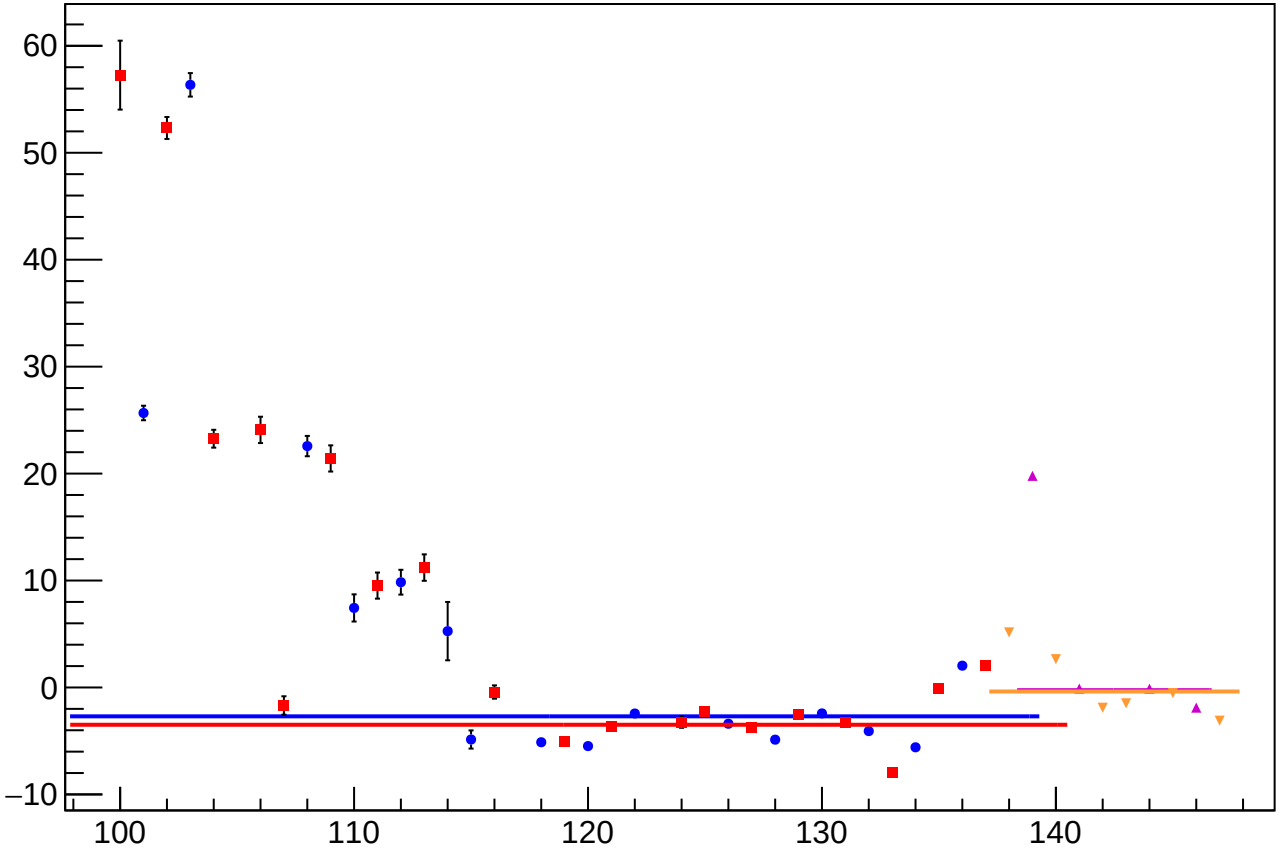
Left In: -0.071+/-0.062 χ^2/NDF:521.0/3

+ sign -0.387+/-0.047 χ^2/NDF: 2956.4/21

All: 0.063+/-0.034 χ^2/NDF: 6340.7/44

- sign 0.548+/-0.049 χ^2/NDF: 3191.8/22

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.376+/-0.044 χ^2/NDF:2978.3/5

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

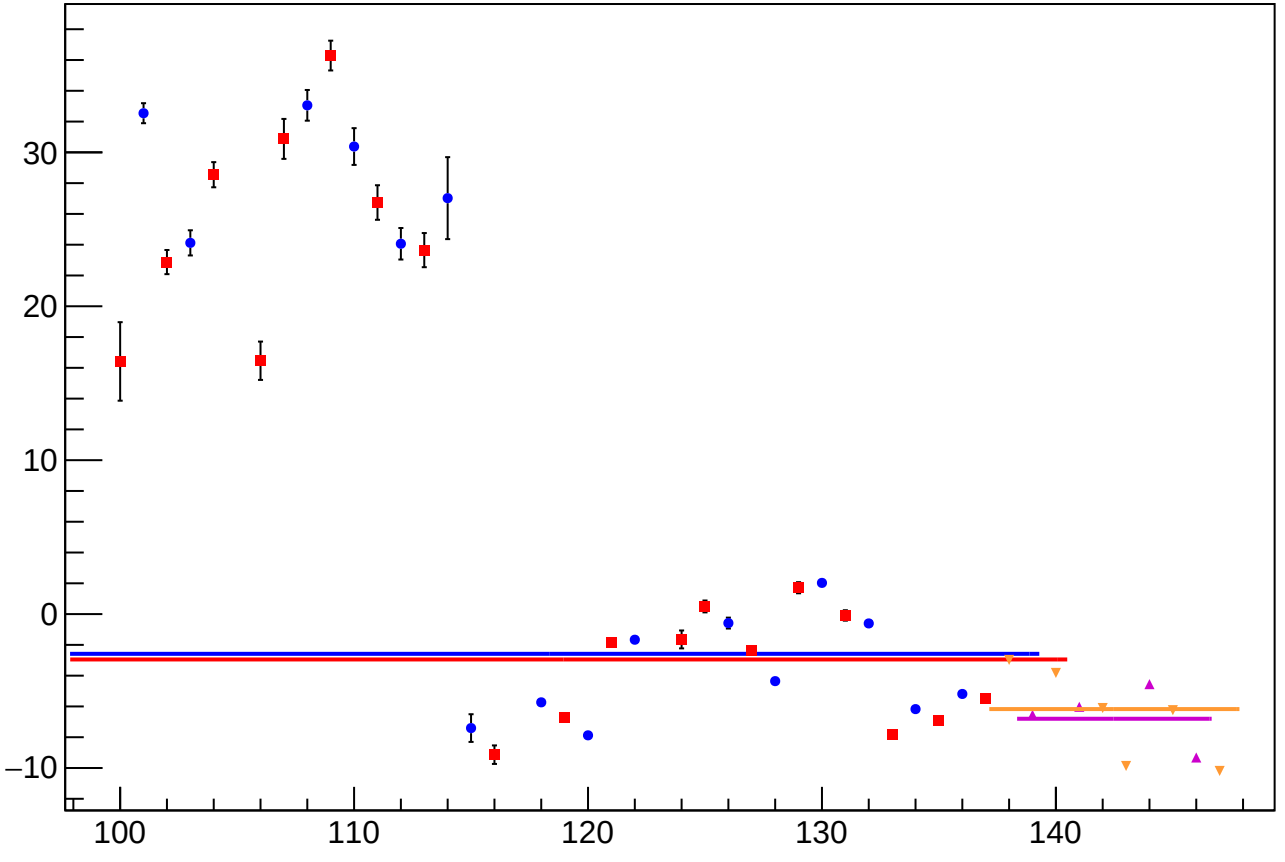
Left In: -0.250+/-0.047 χ^2/NDF:6775.0/3

+ sign -1.026+/-0.037 χ^2/NDF: 10858.9/21

All: -1.123+/-0.027 χ^2/NDF: 26262.7/44

- sign -1.228+/-0.039 χ^2/NDF: 15389.7/22

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: -6.171+/-0.060 χ^2/NDF:1617.5/5

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

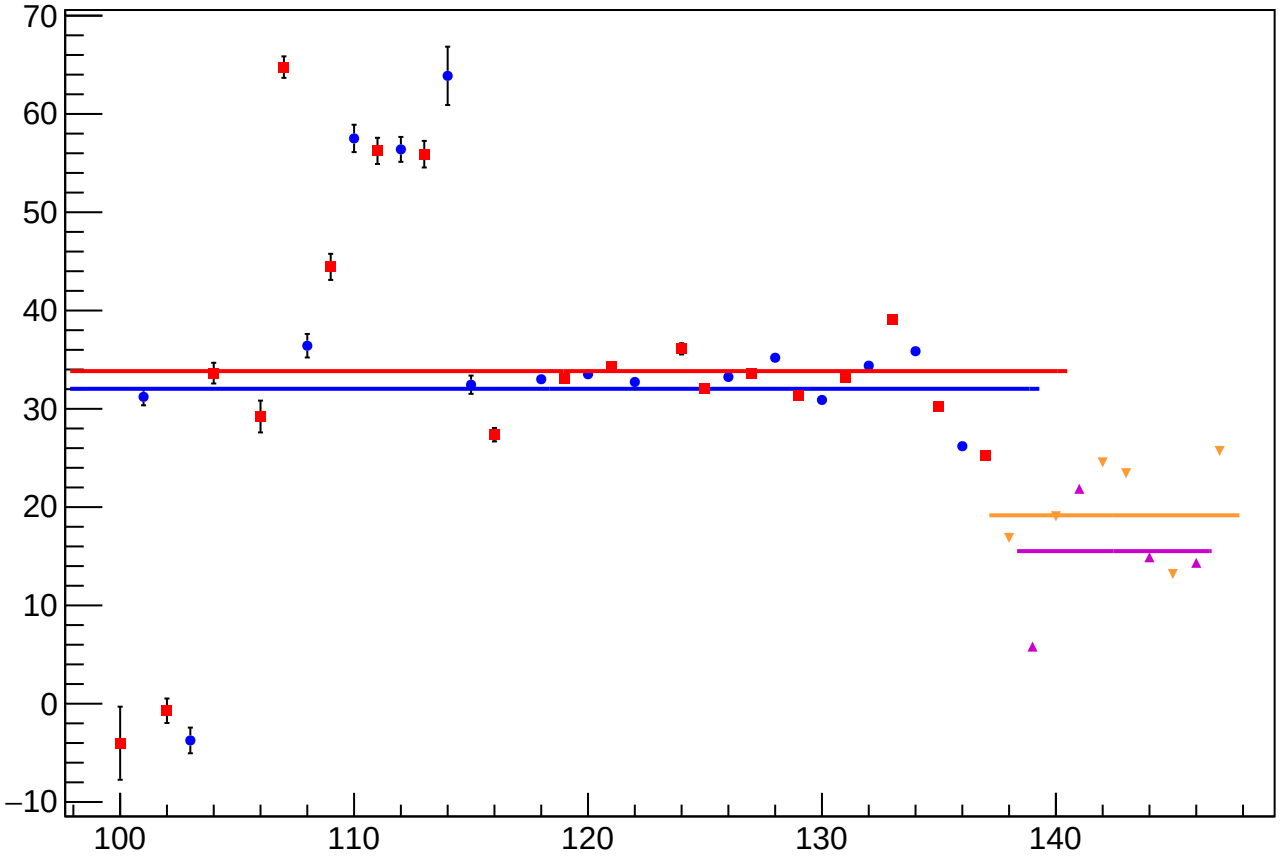
Left In: -6.801+/-0.063 χ^2/NDF:961.7/3

+ sign -4.939+/-0.049 χ^2/NDF: 11002.8/21

All: -5.184+/-0.035 χ^2/NDF: 21547.4/44

- sign -5.446+/-0.050 χ^2/NDF: 10492.1/22

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: 19.167+/-0.053 χ^2/NDF:8852.2/5

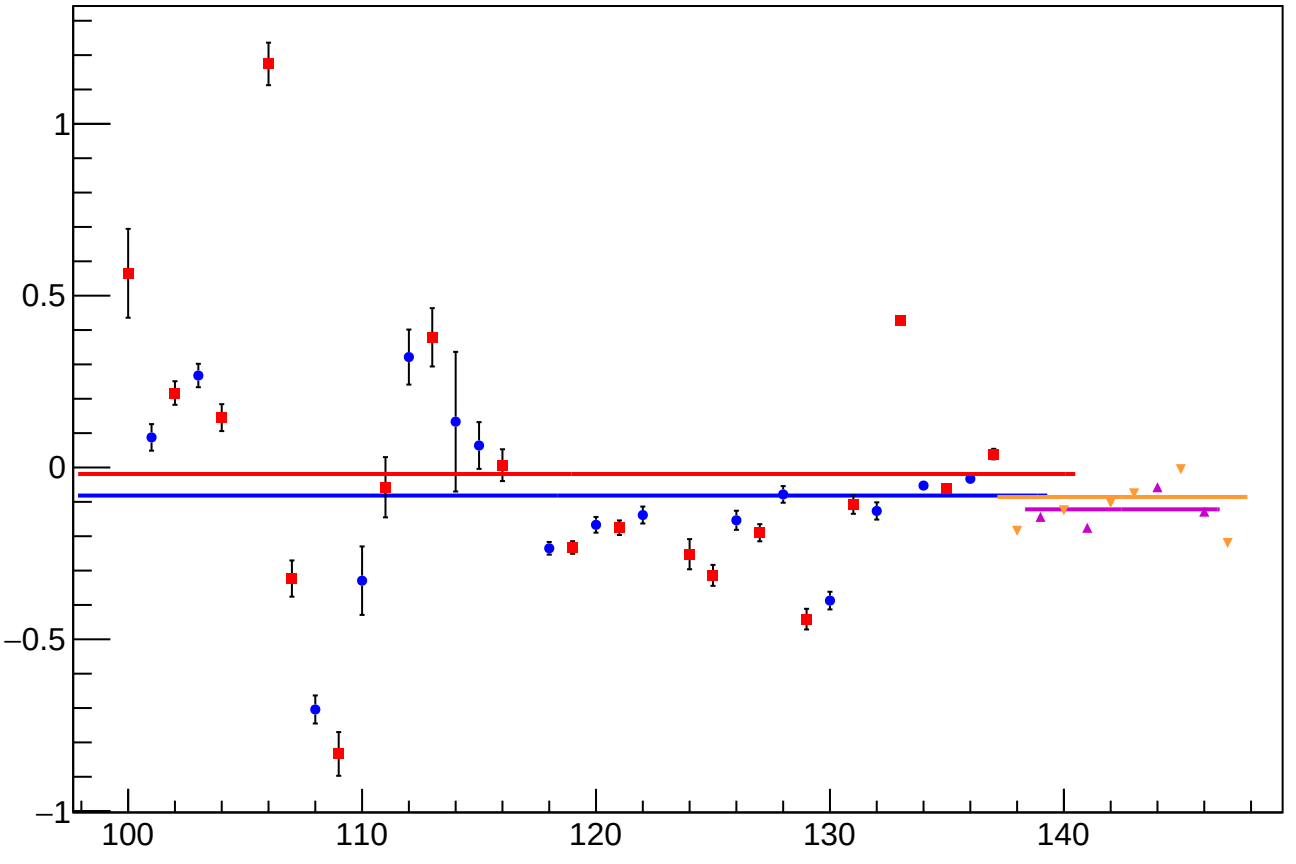
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 15.525+/-0.056 χ^2/NDF:4313.4/3

+ sign 23.017+/-0.044 χ^2/NDF: 29680.5/21

All: 22.195+/-0.032 χ^2/NDF: 73350.9/44

- sign 21.318+/-0.046 χ^2/NDF: 42964.4/22



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.086+/-0.002 χ^2/NDF:933.4/5

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

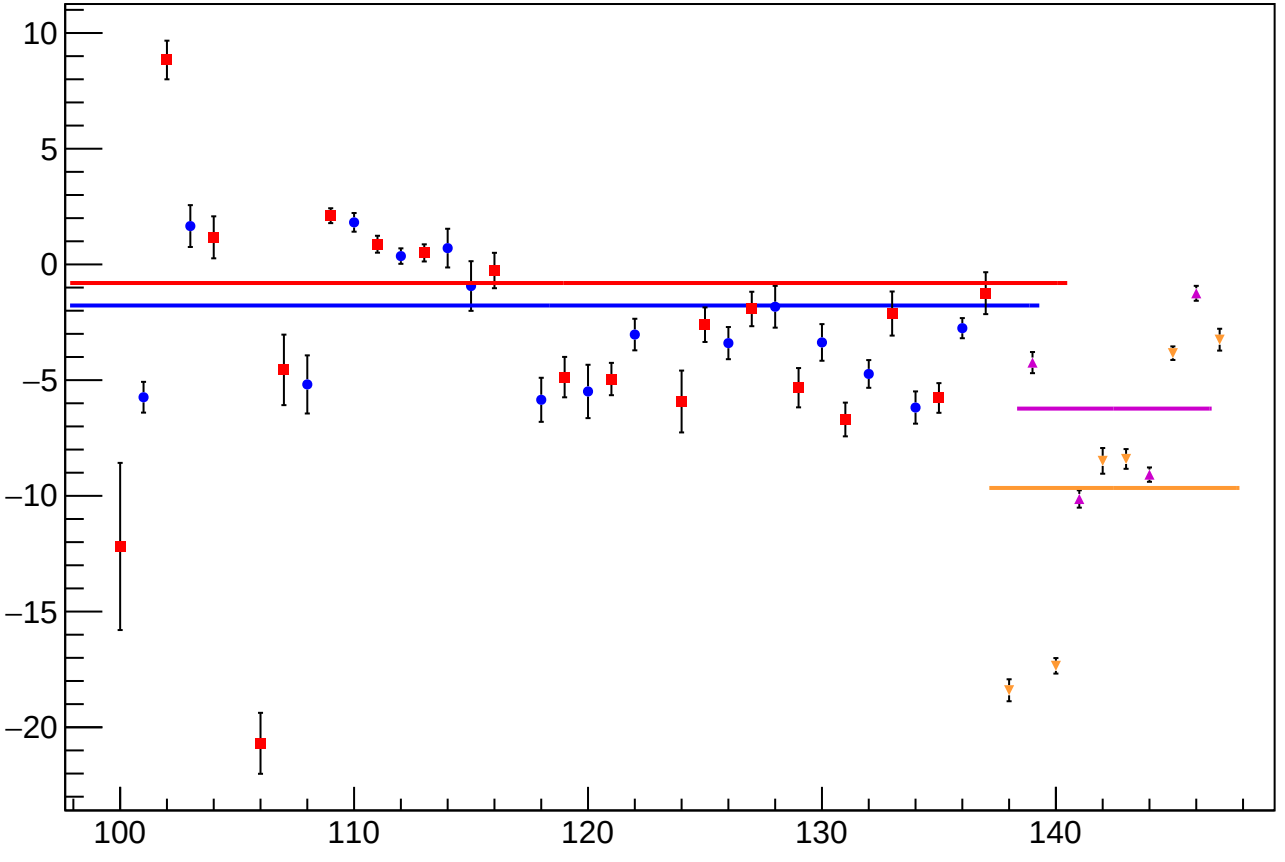
Left In: -0.122+/-0.003 χ^2/NDF:260.5/3

+ sign -0.085+/-0.002 χ^2/NDF: 1623.2/21

All: -0.093+/-0.002 χ^2/NDF: 4496.2/44

- sign -0.101+/-0.002 χ^2/NDF: 2847.1/22

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.659+/-0.162 χ^2/NDF:1455.9/5

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

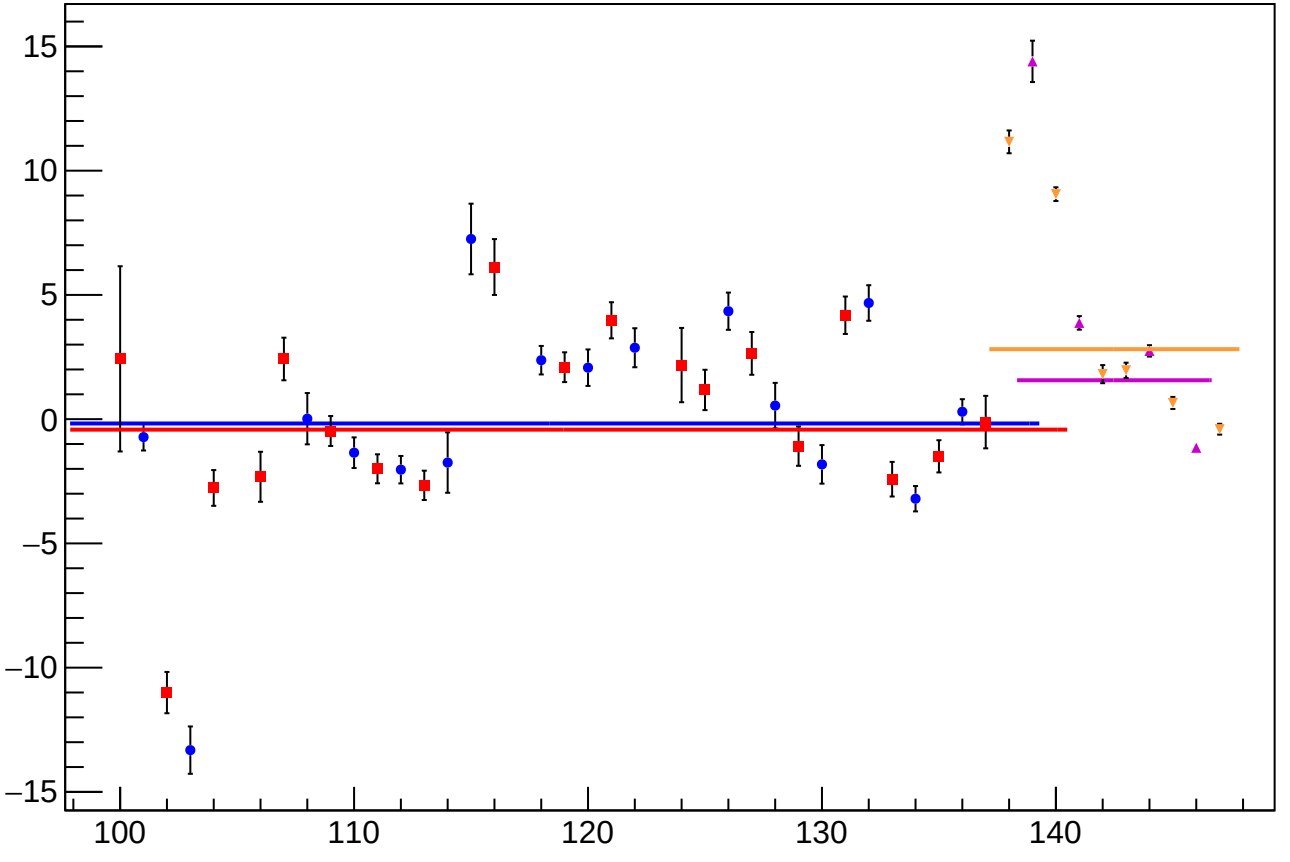
Left In: -6.230+/-0.177 χ^2/NDF:450.4/3

+ sign -5.600+/-0.113 χ^2/NDF: 2975.2/21

All: -4.332+/-0.080 χ^2/NDF: 4966.9/44

- sign -3.041+/-0.114 χ^2/NDF: 1736.2/22

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.817+/-0.116 χ^2/NDF:1152.0/5

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

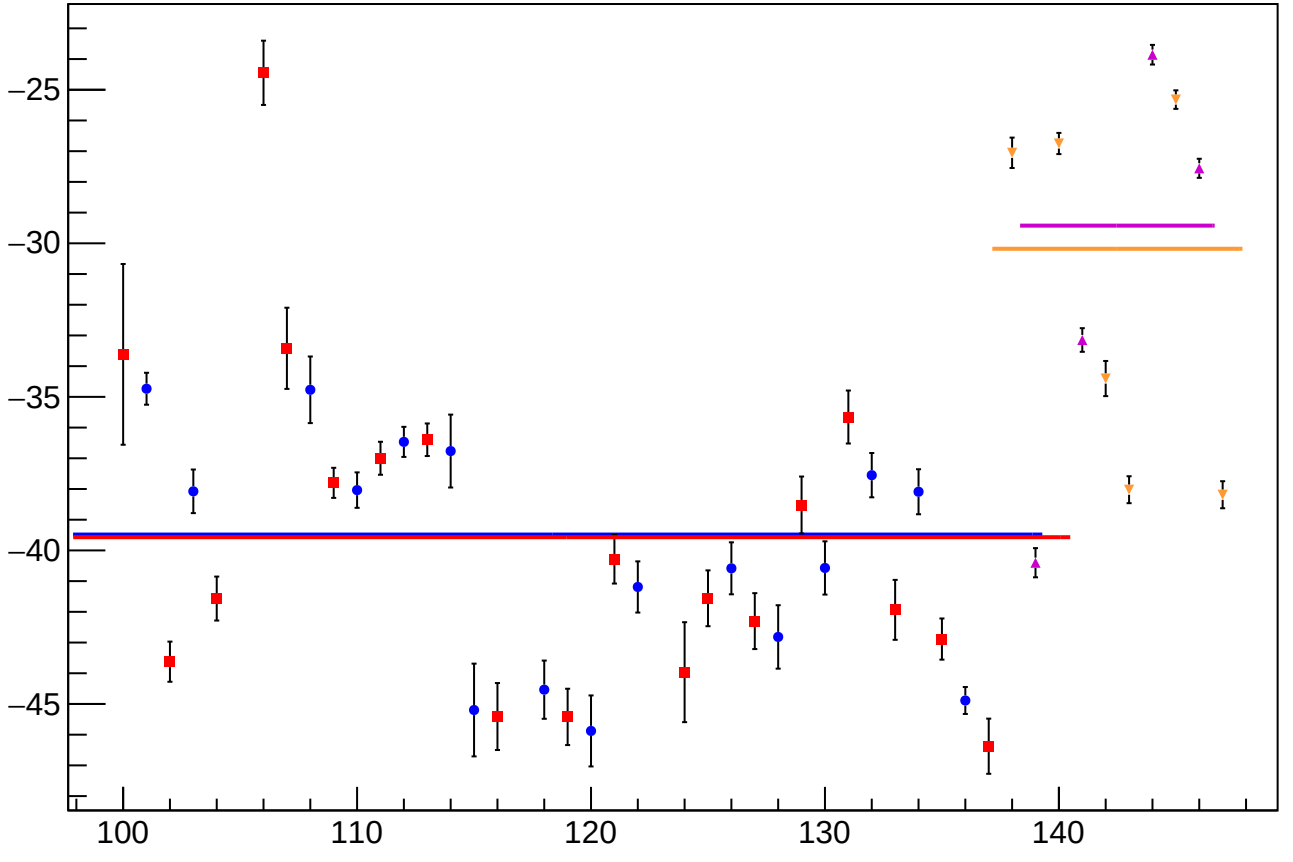
Left In: 1.566+/-0.129 χ^2/NDF:531.1/3

+ sign 1.886+/-0.097 χ^2/NDF: 1761.0/21

All: 1.421+/-0.071 χ^2/NDF: 2790.9/44

- sign 0.880+/-0.104 χ^2/NDF: 979.7/22

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -30.178+/-0.165 χ^2/NDF:1103.7/5

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

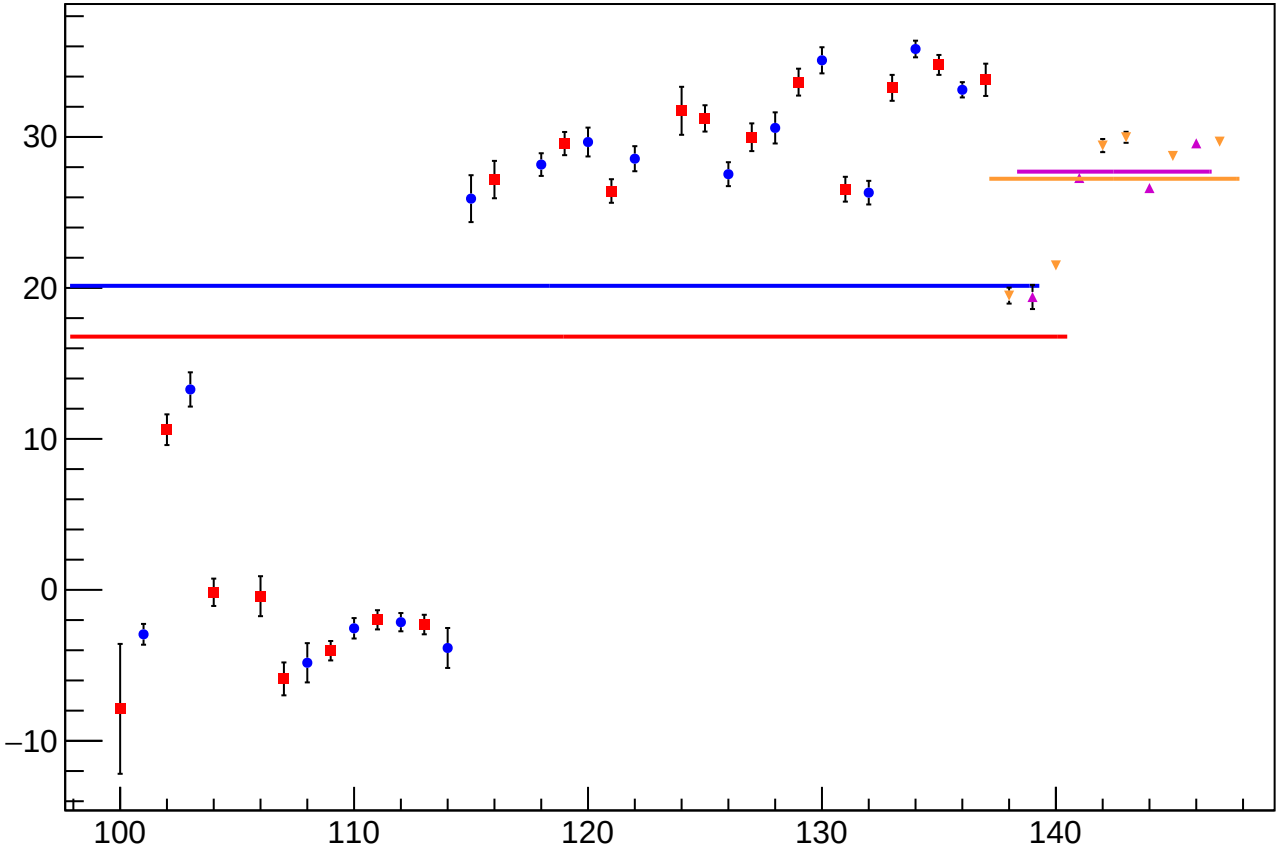
Left In: -29.424+/-0.179 χ^2/NDF:965.7/3

+ sign -34.411+/-0.122 χ^2/NDF: 2966.4/21

All: -34.421+/-0.088 χ^2/NDF: 6077.1/44

- sign -34.432+/-0.127 χ^2/NDF: 3110.6/22

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.231+/-0.142 χ^2/NDF:691.9/5

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

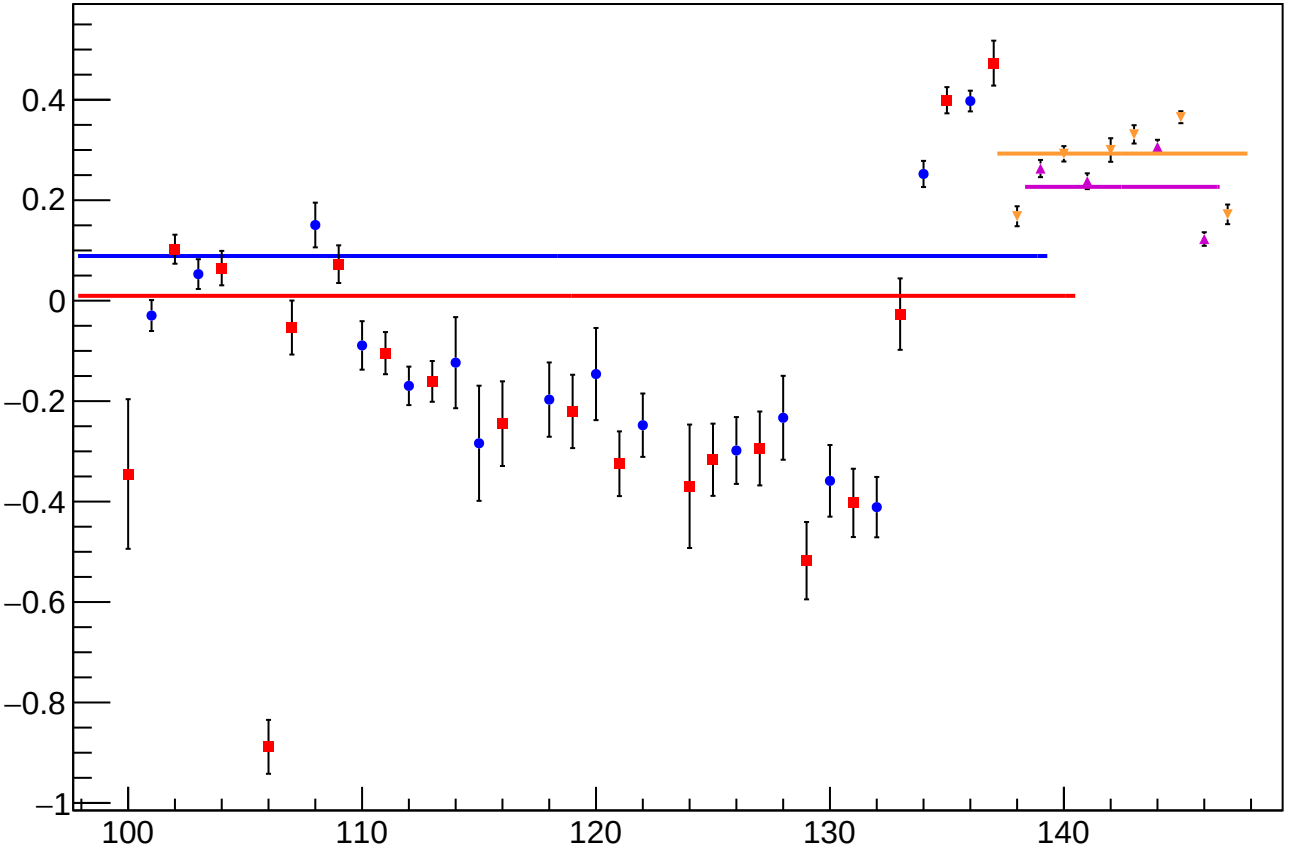
Left In: 27.703+/-0.154 χ^2/NDF:185.9/3

+ sign 24.771+/-0.115 χ^2/NDF: 8242.6/21

All: 24.230+/-0.084 χ^2/NDF: 17089.7/44

- sign 23.617+/-0.122 χ^2/NDF: 8799.7/22

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.293+/-0.007 χ^2/NDF:119.1/5

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

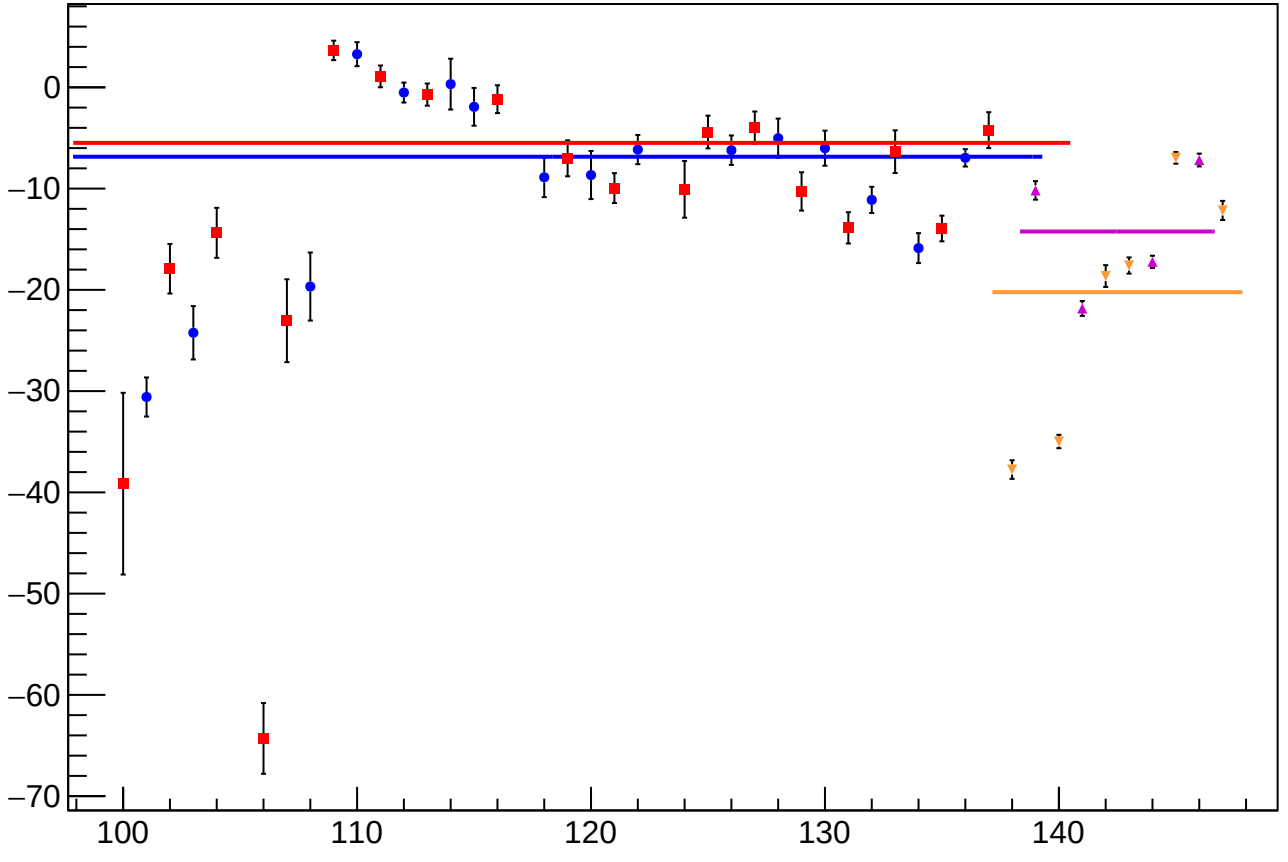
Left In: 0.227+/-0.007 χ^2/NDF:95.7/3

+ sign 0.231+/-0.006 χ^2/NDF: 950.5/21

All: 0.197+/-0.004 χ^2/NDF: 2221.4/44

- sign 0.158+/-0.006 χ^2/NDF: 1196.2/22

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -20.232+/-0.316 χ^2/NDF:1478.1/5

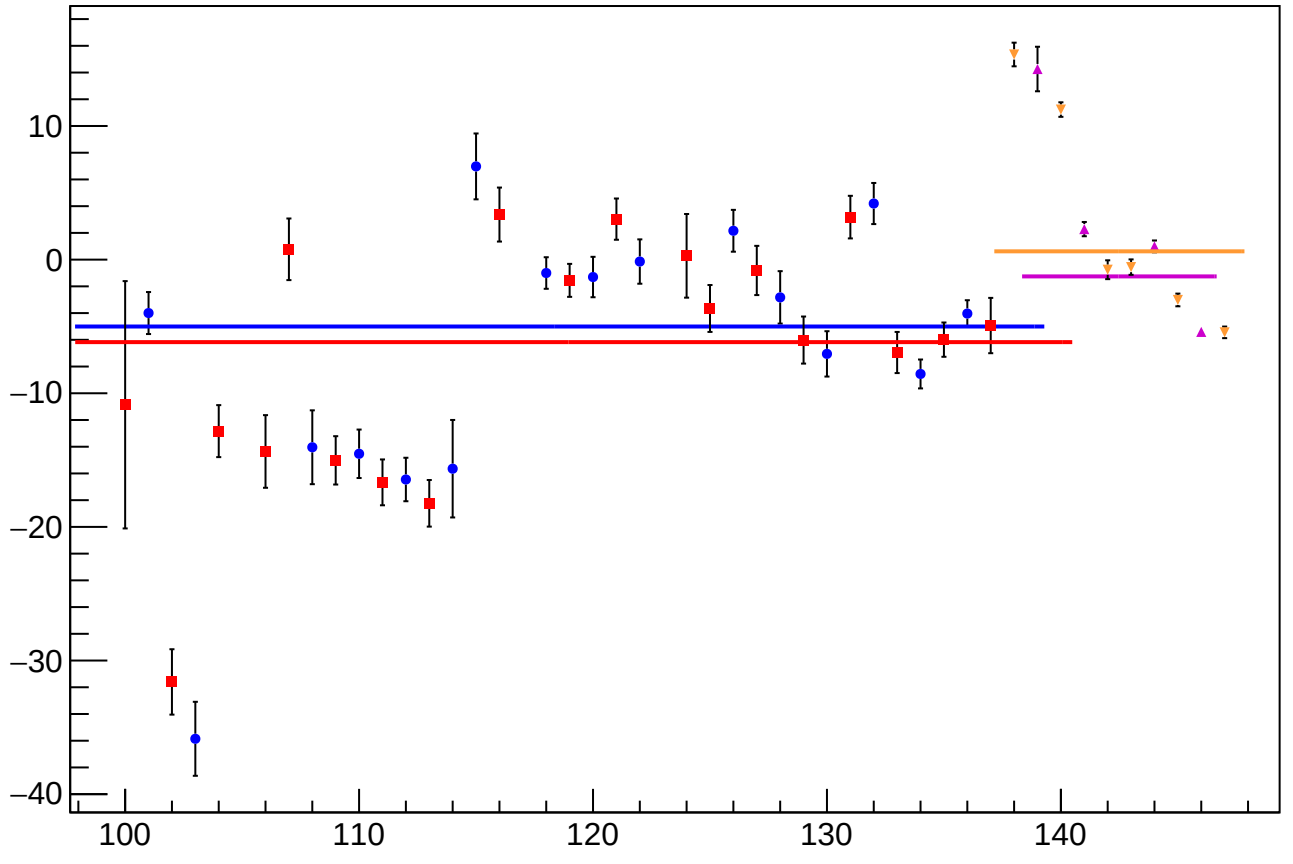
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.239+/-0.347 χ^2/NDF:275.2/3

+ sign -14.692+/-0.242 χ^2/NDF: 2611.7/21

All: -12.513+/-0.175 χ^2/NDF: 3962.4/44

- sign -10.128+/-0.253 χ^2/NDF: 1180.5/22



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 0.621+/-0.227 χ^2/NDF:918.7/5

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

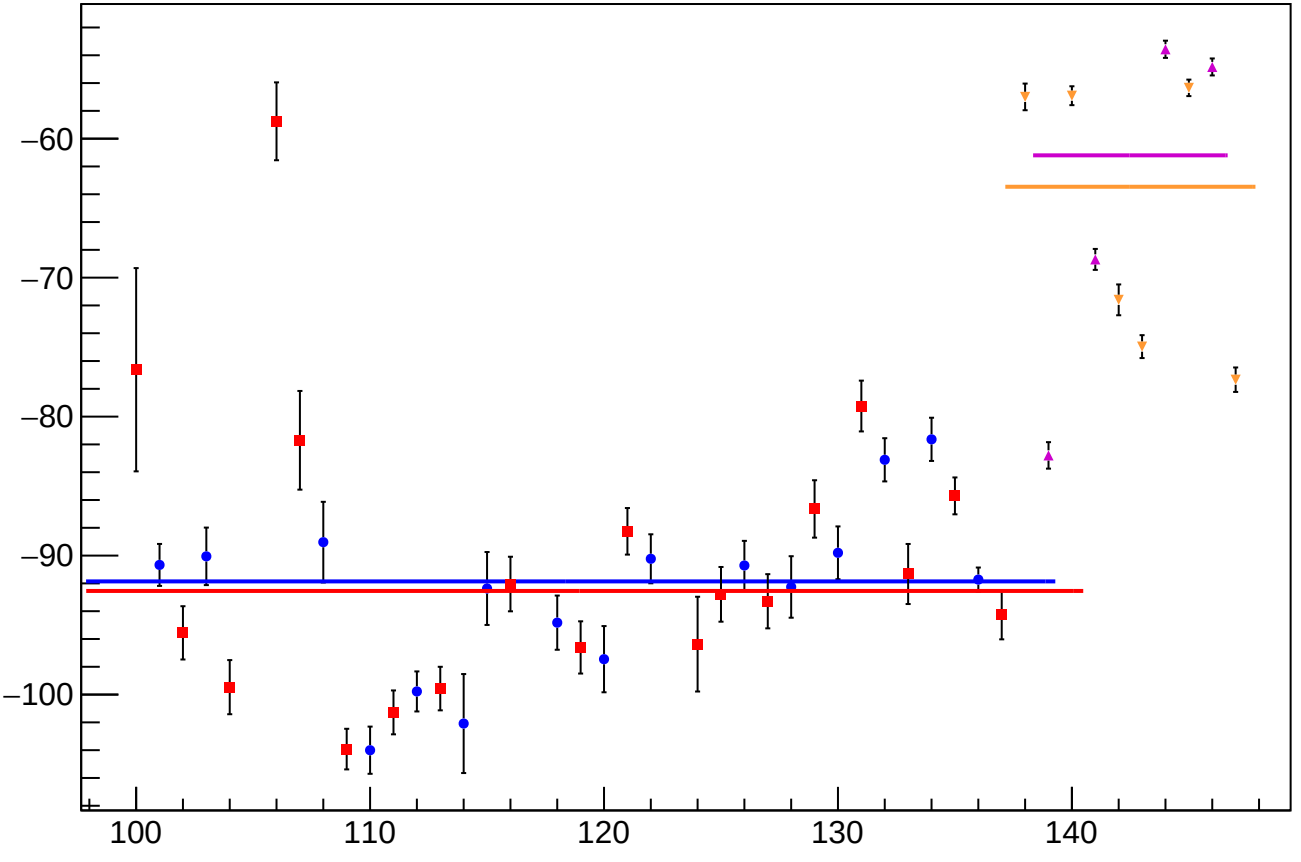
Left In: -1.255+/-0.250 χ^2/NDF:278.6/3

+ sign -0.774+/-0.197 χ^2/NDF: 1412.8/21

All: -1.590+/-0.145 χ^2/NDF: 2200.5/44

- sign -2.554+/-0.214 χ^2/NDF: 750.3/22

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.460+/-0.321 χ^2/NDF:780.1/5

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

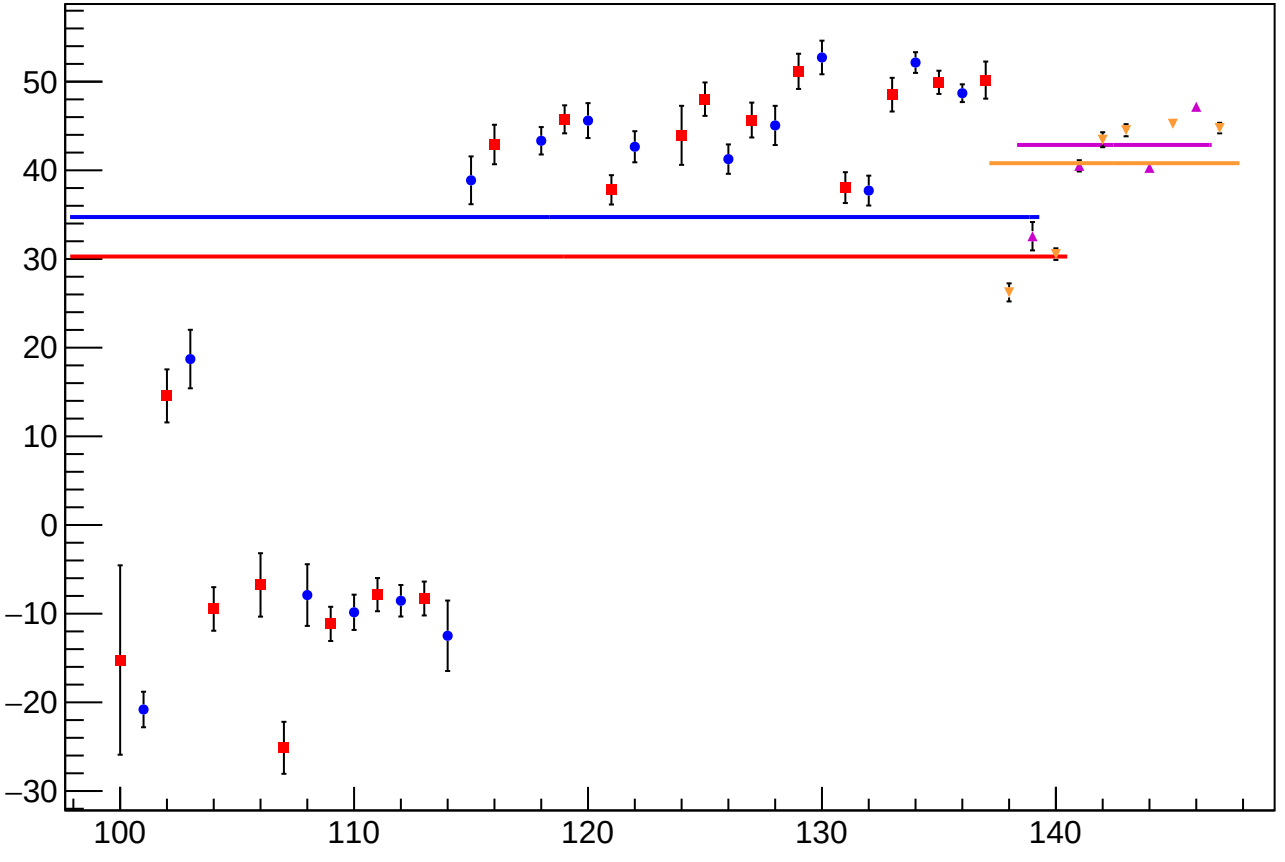
Left In: -61.200+/-0.350 χ^2/NDF:872.1/3

+ sign -73.824+/-0.256 χ^2/NDF: 3805.0/21

All: -73.619+/-0.187 χ^2/NDF: 8178.6/44

- sign -73.386+/-0.274 χ^2/NDF: 4372.3/22

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.803+/-0.277 χ^2/NDF:599.7/5

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

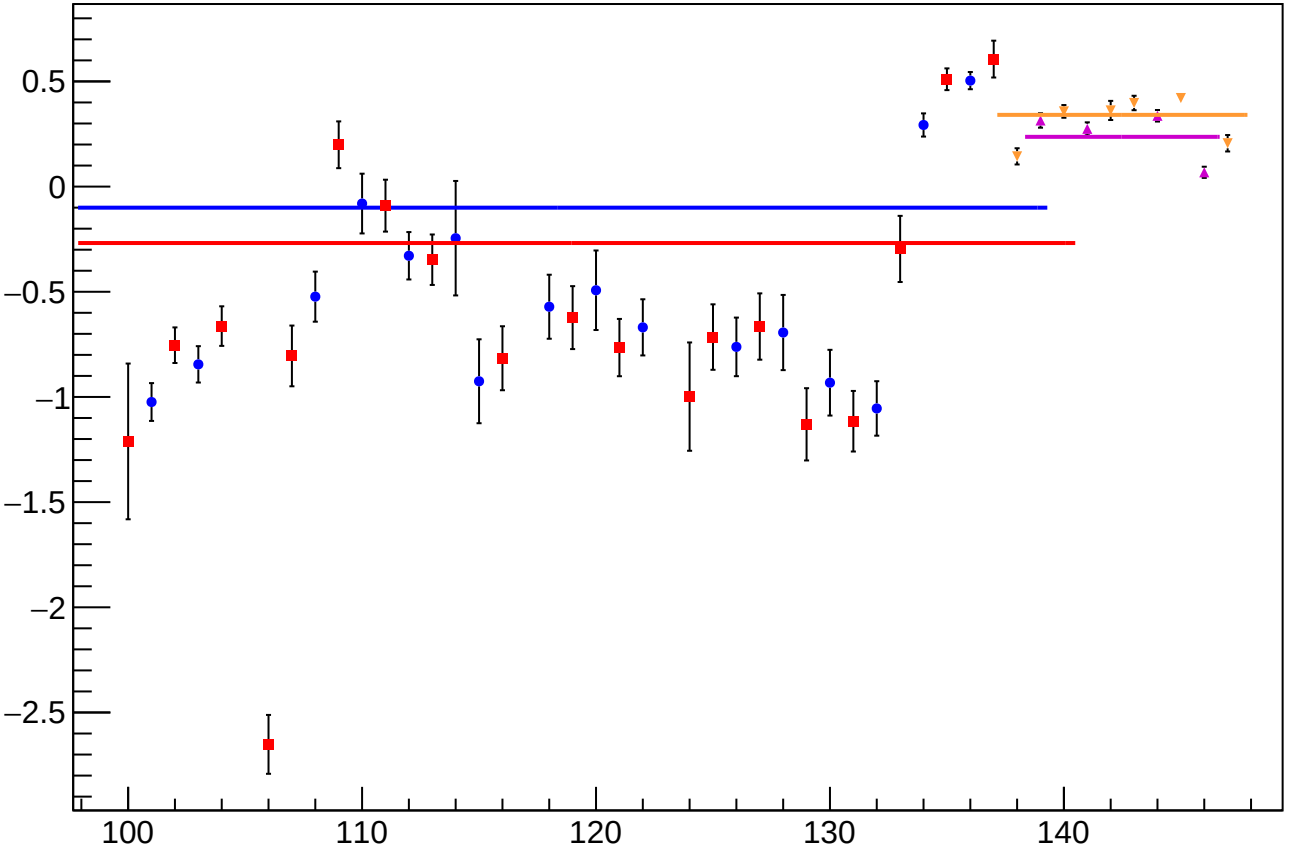
Left In: 42.861+/-0.301 χ^2/NDF:163.3/3

+ sign 39.090+/-0.235 χ^2/NDF: 3544.4/21

All: 39.130+/-0.172 χ^2/NDF: 7132.0/44

- sign 39.177+/-0.253 χ^2/NDF: 3587.6/22

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.341+/-0.013 χ^2/NDF:52.9/5

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

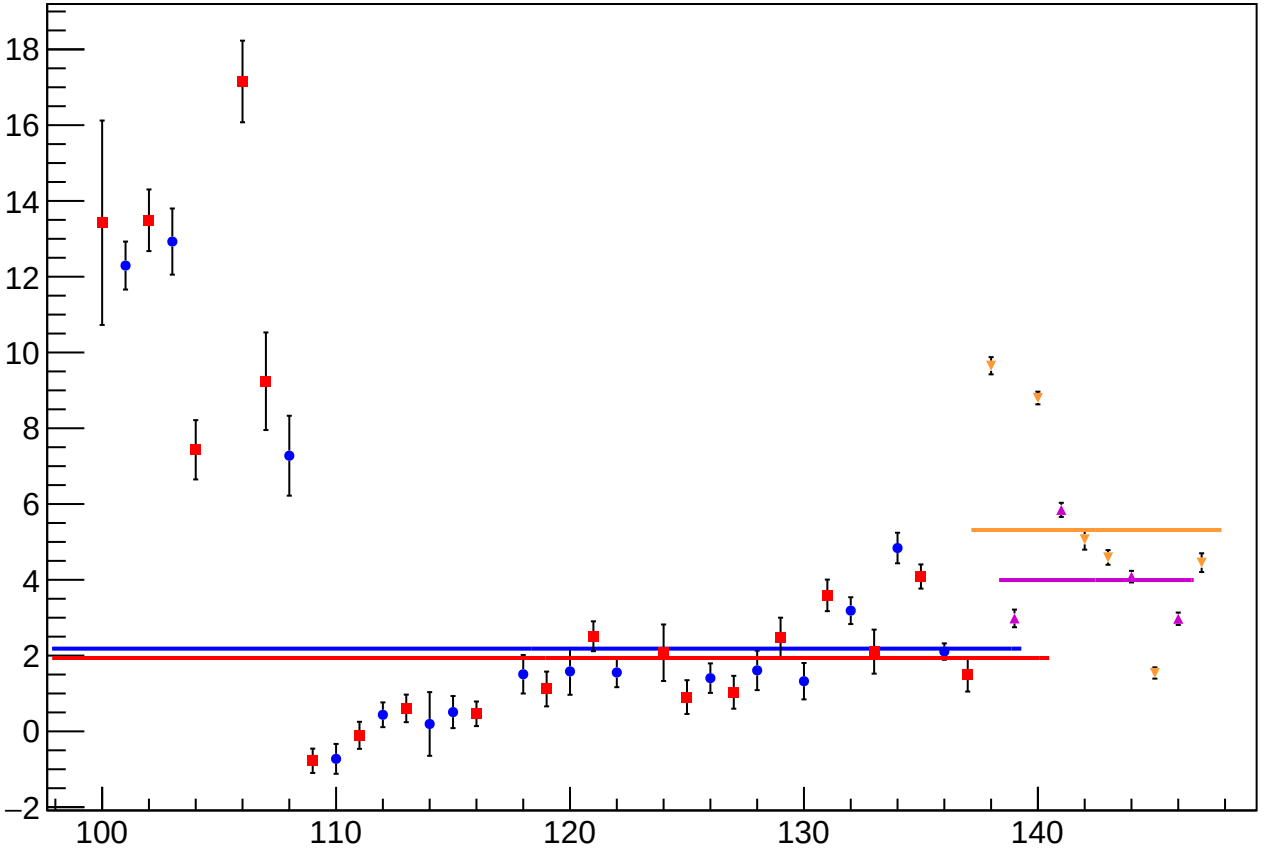
Left In: 0.237+/-0.015 χ^2/NDF:60.4/3

+ sign 0.236+/-0.012 χ^2/NDF: 941.6/21

All: 0.182+/-0.009 χ^2/NDF: 2151.9/44

- sign 0.117+/-0.013 χ^2/NDF: 1163.2/22

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: 5.315+/-0.080 χ^2/NDF:1465.8/5

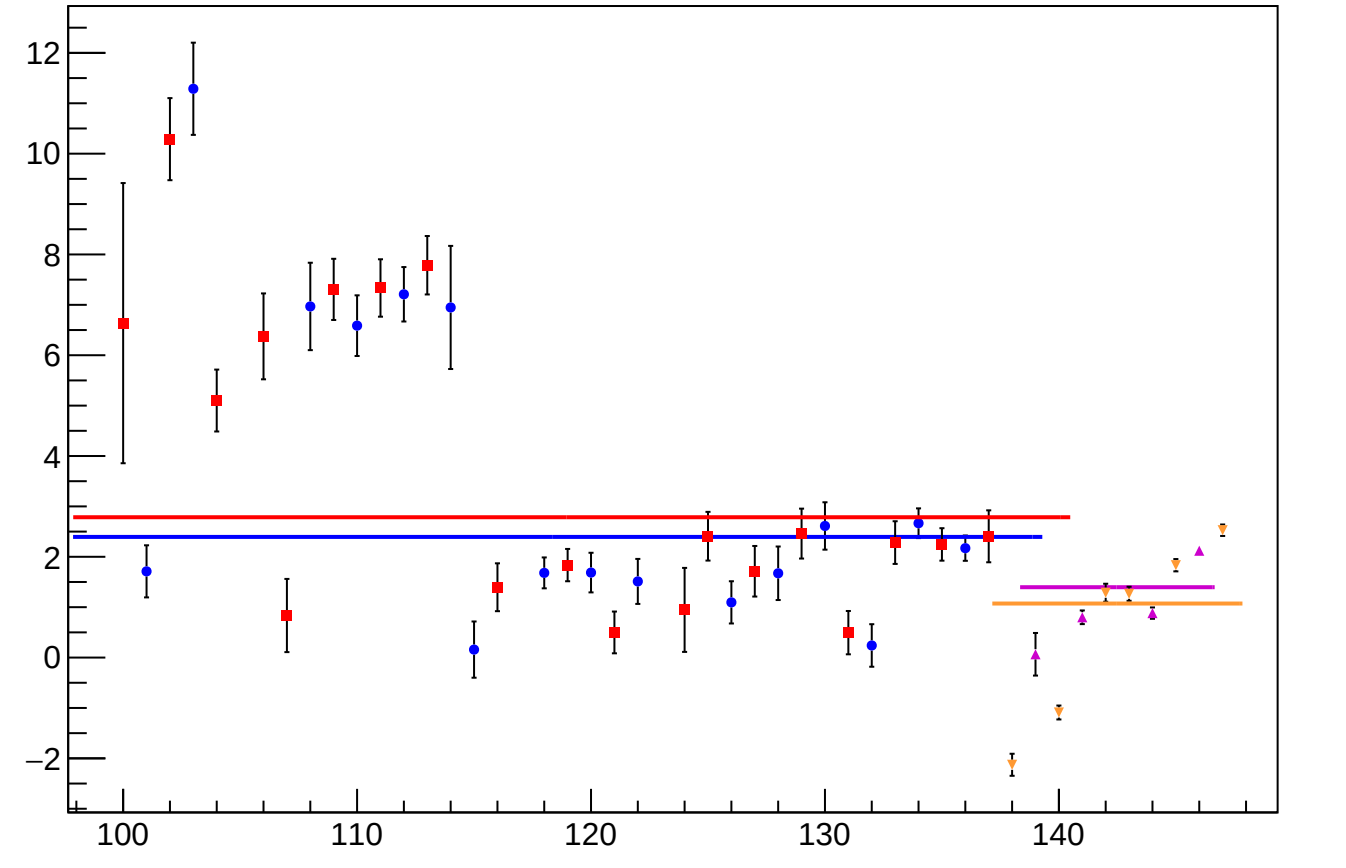
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 3.994+/-0.089 χ^2/NDF:156.8/3

+ sign 4.166+/-0.064 χ^2/NDF: 2628.4/21

All: 3.688+/-0.046 χ^2/NDF: 3846.6/44

- sign 3.143+/-0.068 χ^2/NDF: 1097.1/22



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.072+/-0.058 χ^2/NDF:664.7/5

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

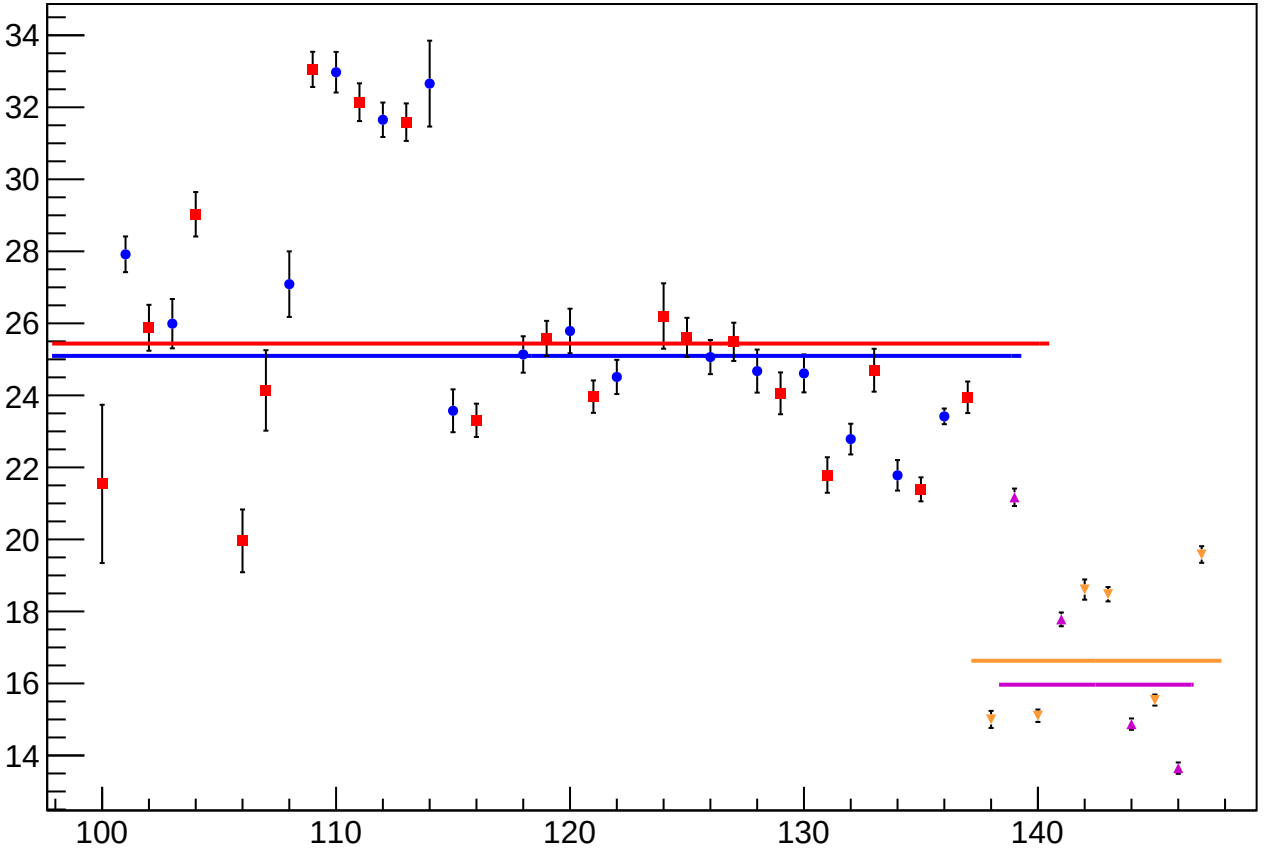
Left In: 1.396+/-0.063 χ^2/NDF:108.3/3

+ sign 1.364+/-0.051 χ^2/NDF: 1114.6/21

All: 1.525+/-0.038 χ^2/NDF: 1766.2/44

- sign 1.715+/-0.056 χ^2/NDF: 629.9/22

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.630+/-0.081 χ^2/NDF:475.1/5

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

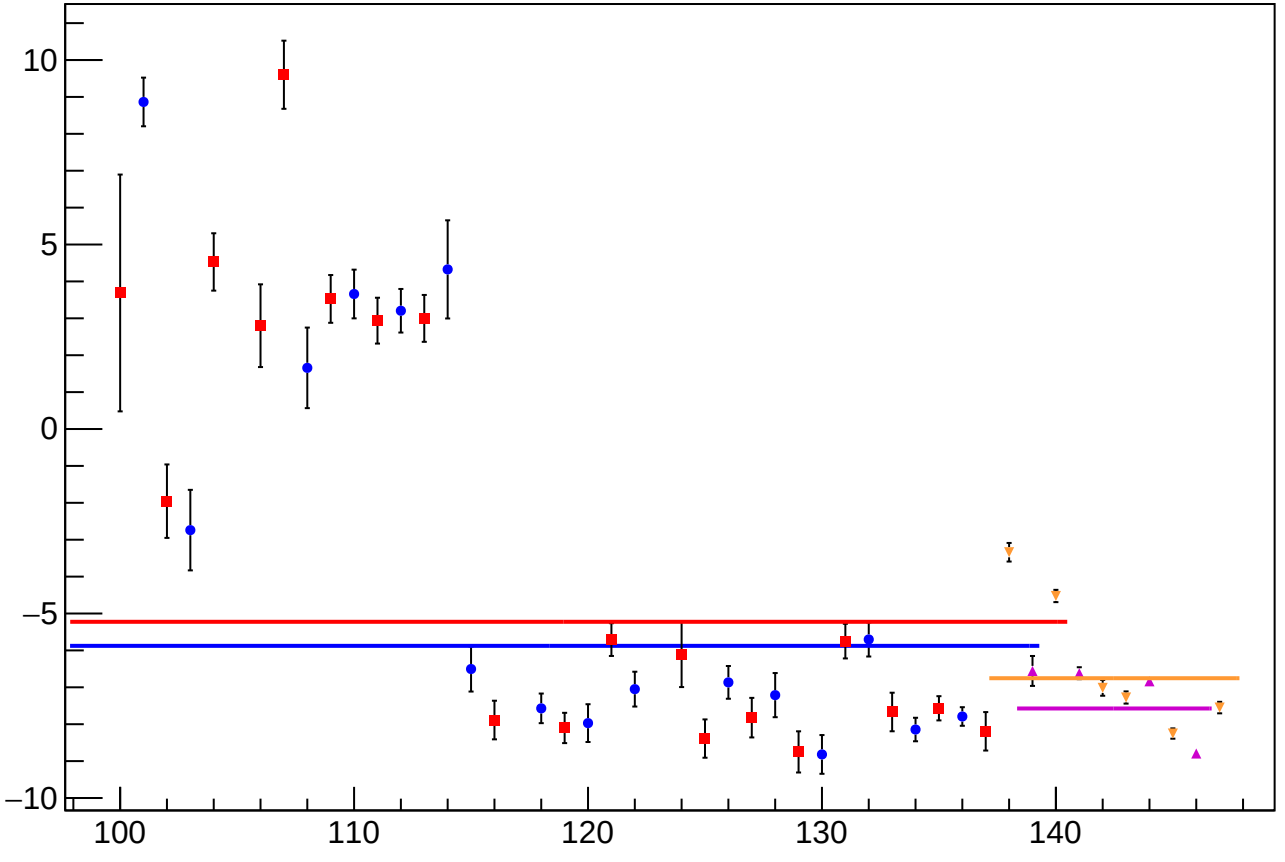
Left In: 15.965+/-0.089 χ^2/NDF:816.9/3

+ sign 19.377+/-0.067 χ^2/NDF: 4602.7/21

All: 19.298+/-0.049 χ^2/NDF: 10139.1/44

- sign 19.205+/-0.073 χ^2/NDF: 5533.3/22

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: -6.754+/-0.070 χ^2/NDF:515.2/5

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

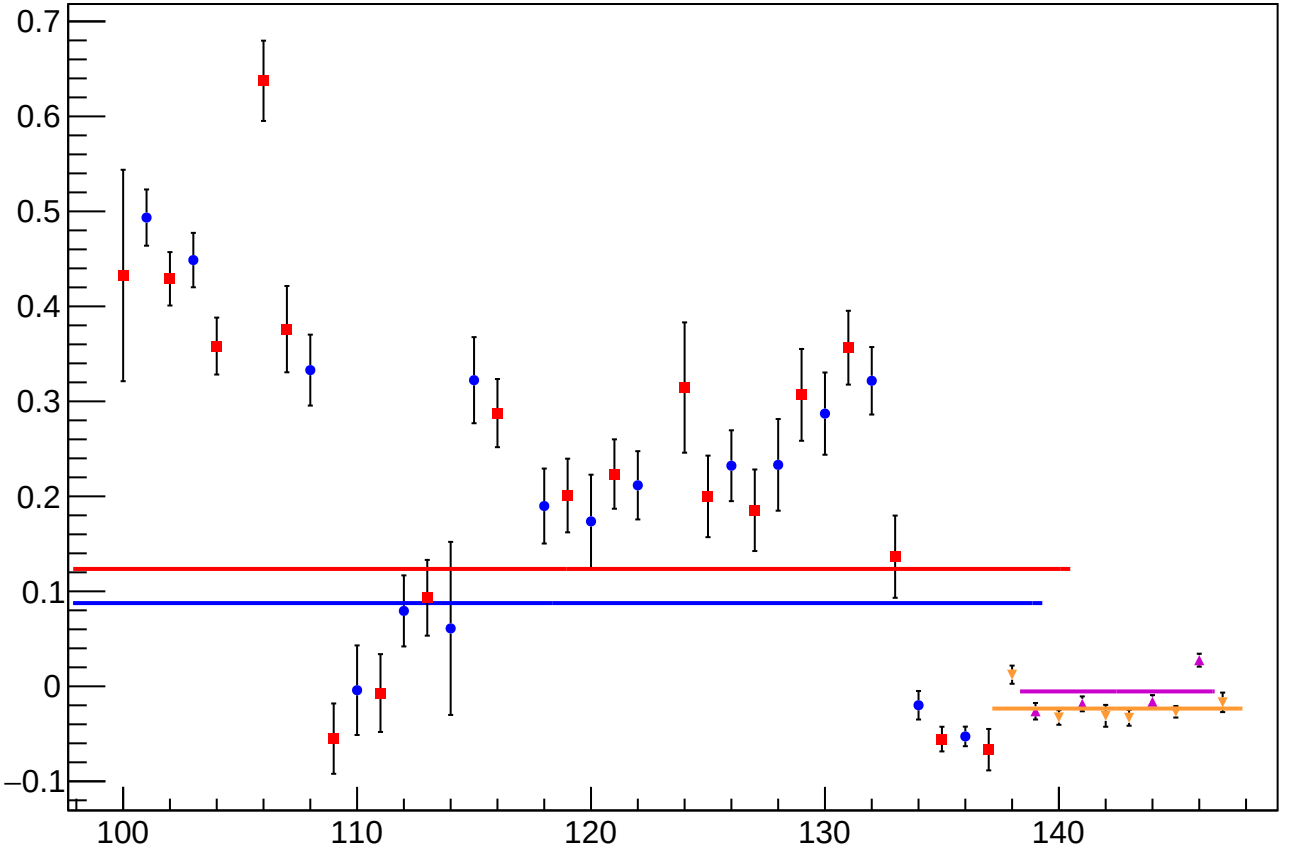
Left In: -7.574+/-0.076 χ^2/NDF:175.9/3

+ sign -6.531+/-0.061 χ^2/NDF: 1806.0/21

All: -6.731+/-0.045 χ^2/NDF: 3541.8/44

- sign -6.967+/-0.066 χ^2/NDF: 1712.1/22

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: -0.023+/-0.003 χ^2/NDF:18.0/5

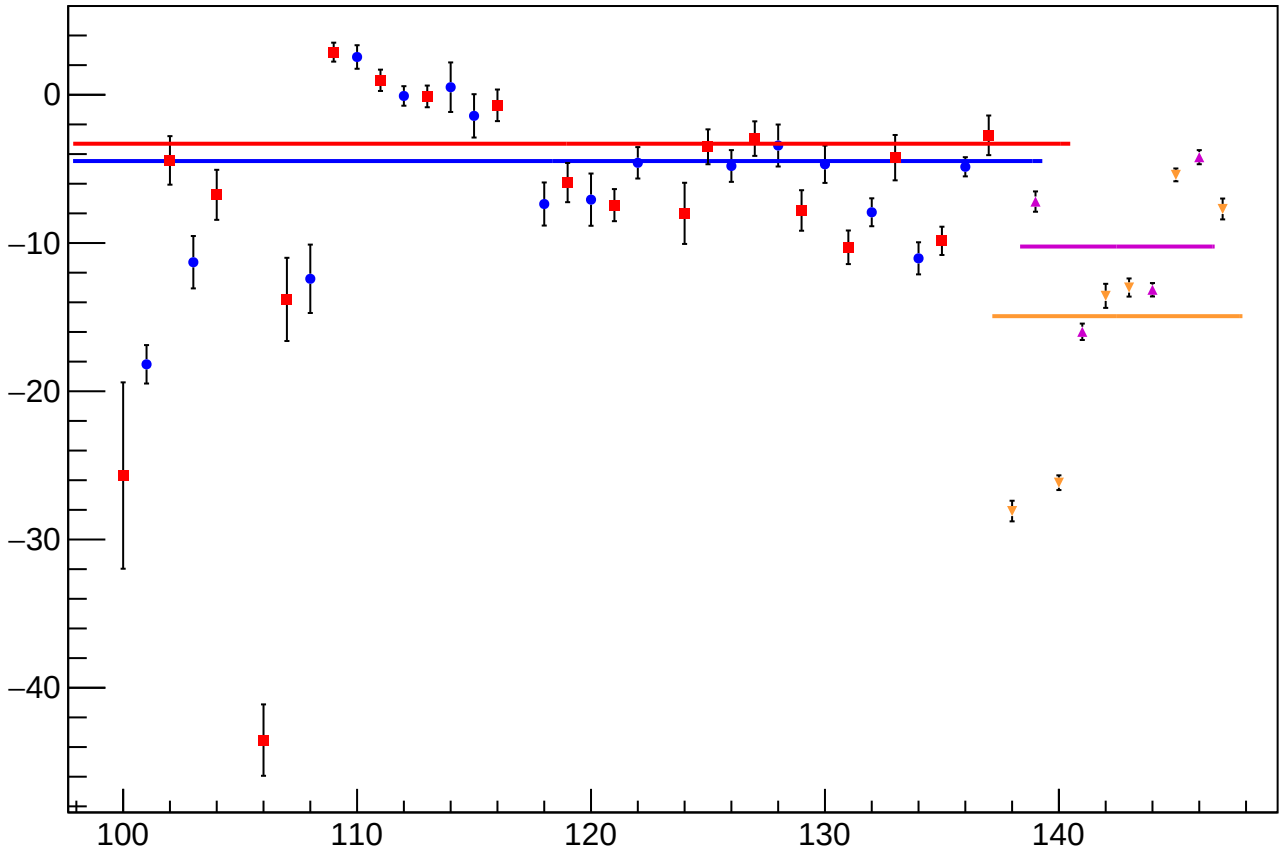
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.005+/-0.004 χ^2/NDF:34.3/3

+ sign -0.000+/-0.003 χ^2/NDF: 1010.0/21

All: 0.010+/-0.002 χ^2/NDF: 2074.8/44

- sign 0.021+/-0.003 χ^2/NDF: 1042.3/22



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.934+/-0.238 χ^2/NDF:1473.9/5

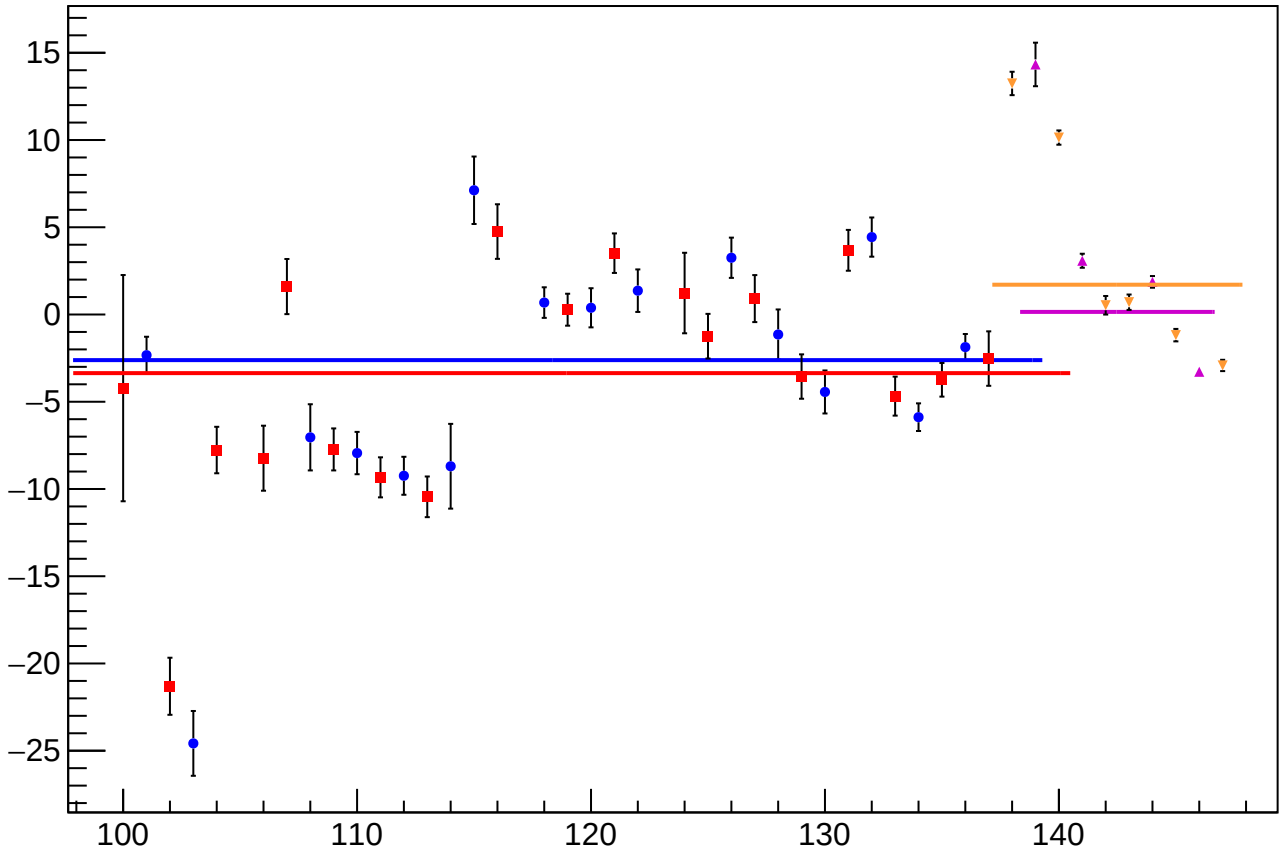
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.237+/-0.261 χ^2/NDF:329.5/3

+ sign -10.333+/-0.178 χ^2/NDF: 2656.9/21

All: -8.614+/-0.128 χ^2/NDF: 4117.8/44

- sign -6.768+/-0.184 χ^2/NDF: 1267.4/22



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.708+/-0.171 χ^2/NDF:1000.9/5

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

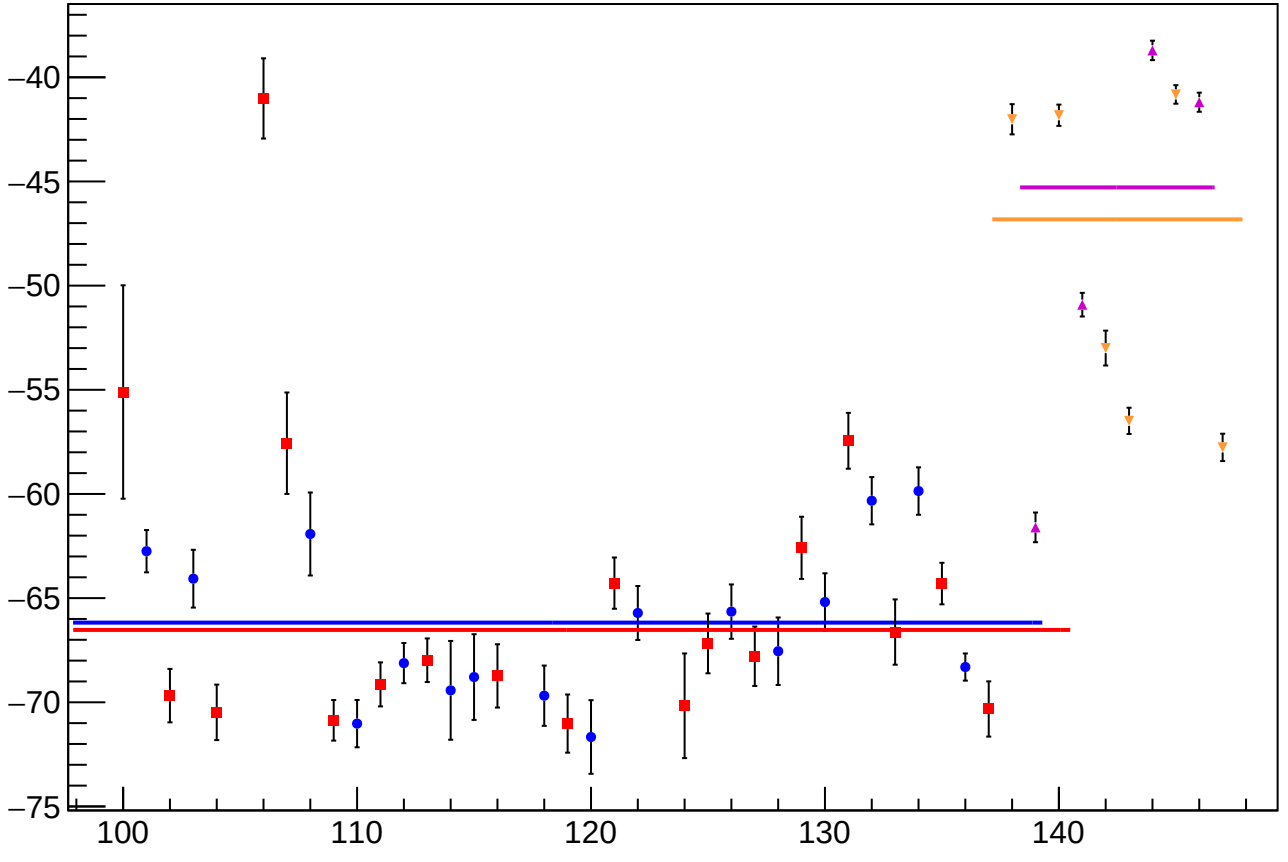
Left In: 0.149+/-0.188 χ^2/NDF:355.3/3

+ sign 0.569+/-0.147 χ^2/NDF: 1521.4/21

All: -0.081+/-0.108 χ^2/NDF: 2377.9/44

- sign -0.848+/-0.159 χ^2/NDF: 813.7/22

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -46.820+/-0.242 χ^2/NDF:890.3/5

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

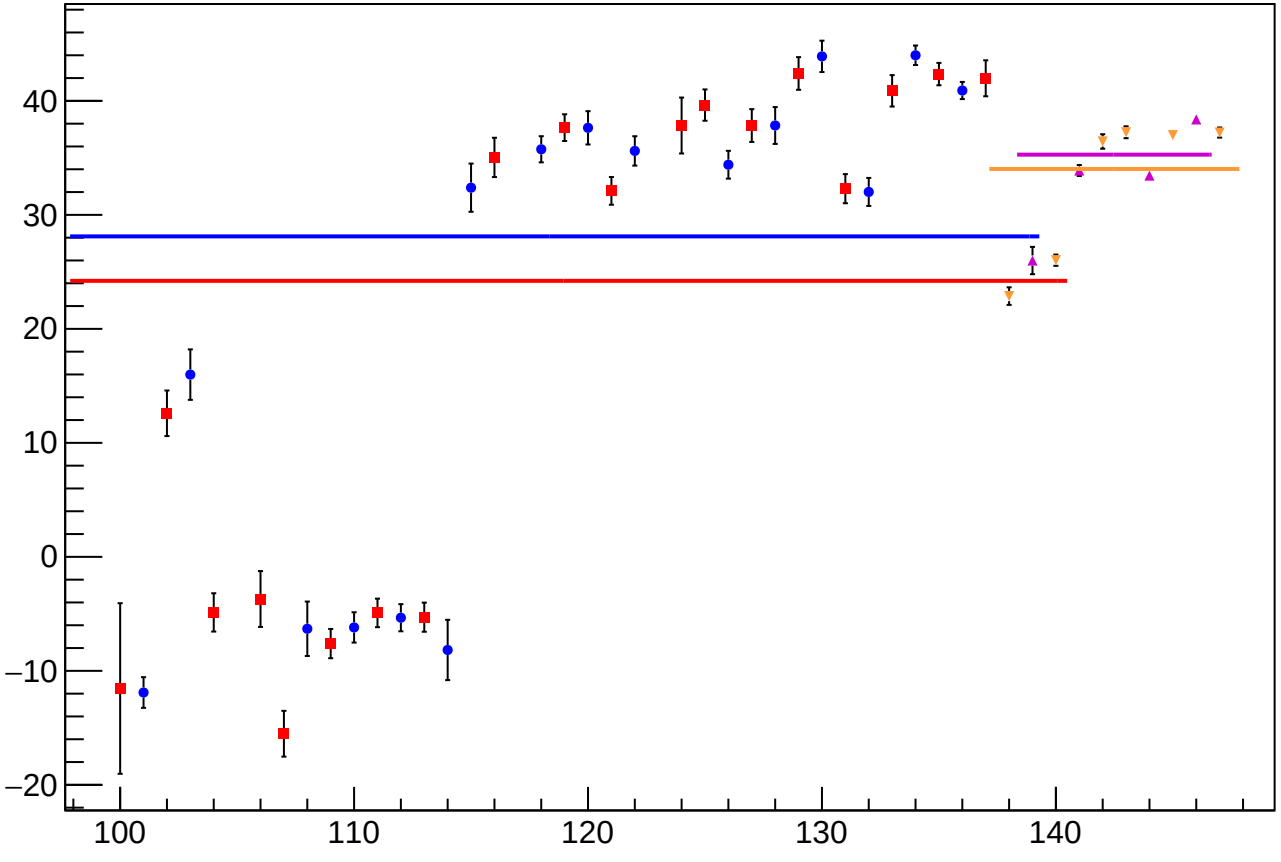
Left In: -45.285+/-0.263 χ^2/NDF:900.2/3

+ sign -54.319+/-0.189 χ^2/NDF: 3497.5/21

All: -54.219+/-0.138 χ^2/NDF: 7422.0/44

- sign -54.106+/-0.201 χ^2/NDF: 3923.9/22

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.028+/-0.209 χ^2/NDF:630.0/5

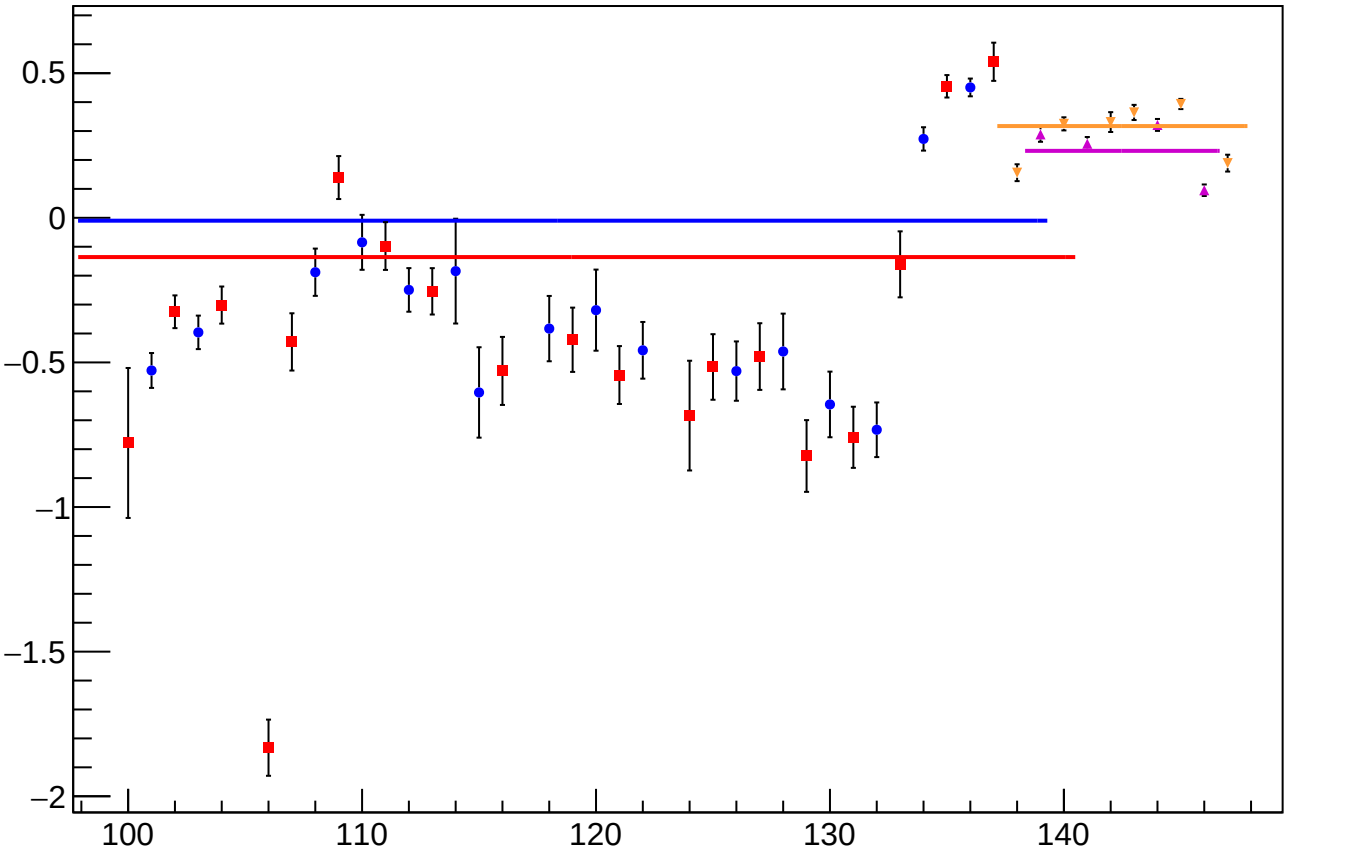
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.284+/-0.226 χ^2/NDF:166.4/3

+ sign 32.264+/-0.175 χ^2/NDF: 4597.6/21

All: 32.059+/-0.128 χ^2/NDF: 9356.7/44

- sign 31.821+/-0.188 χ^2/NDF: 4756.1/22



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.317+/-0.010 χ^2/NDF:72.2/5

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

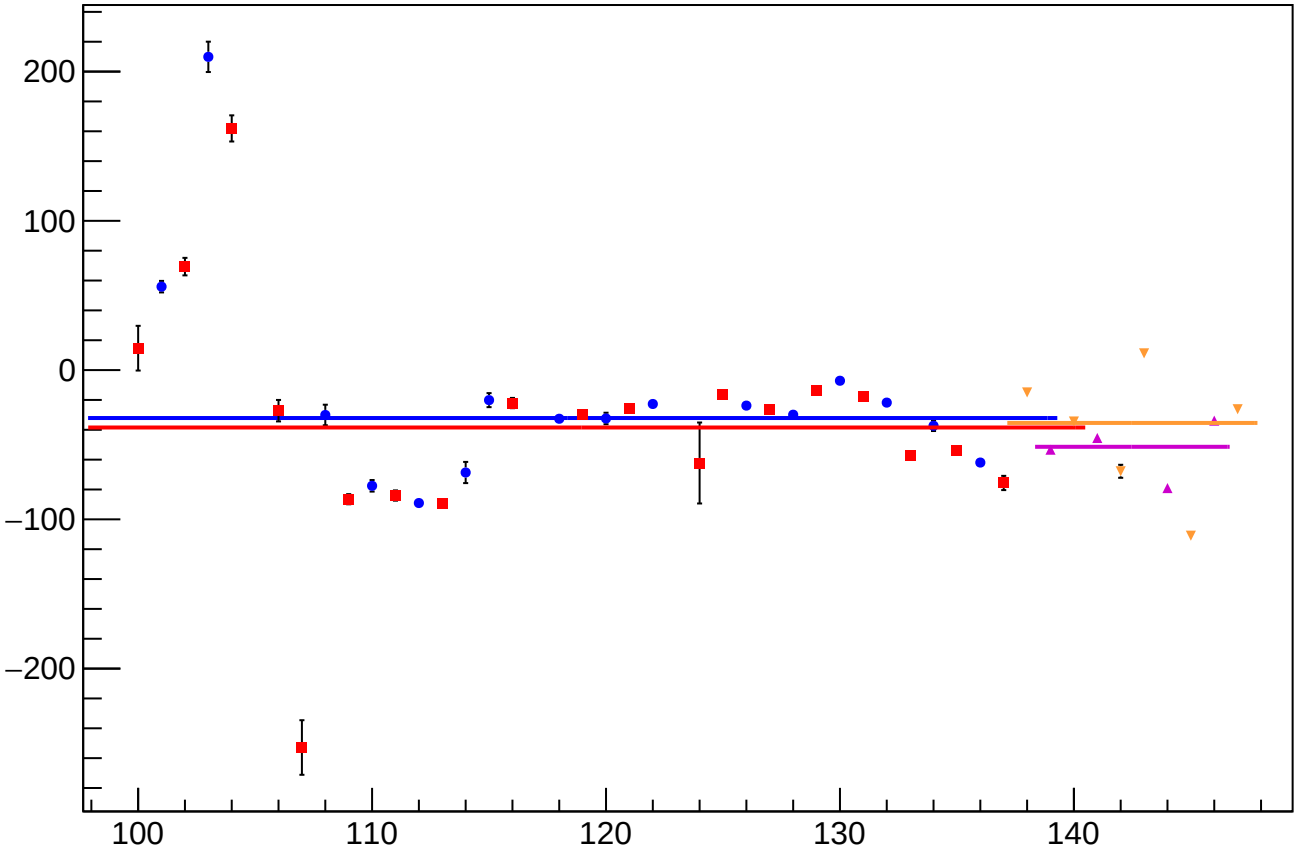
Left In: 0.231+/-0.011 χ^2/NDF:71.6/3

+ sign 0.234+/-0.009 χ^2/NDF: 925.8/21

All: 0.190+/-0.006 χ^2/NDF: 2155.2/44

- sign 0.138+/-0.010 χ^2/NDF: 1173.4/22

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -35.406+/-1.202 χ^2/NDF:889.1/5

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

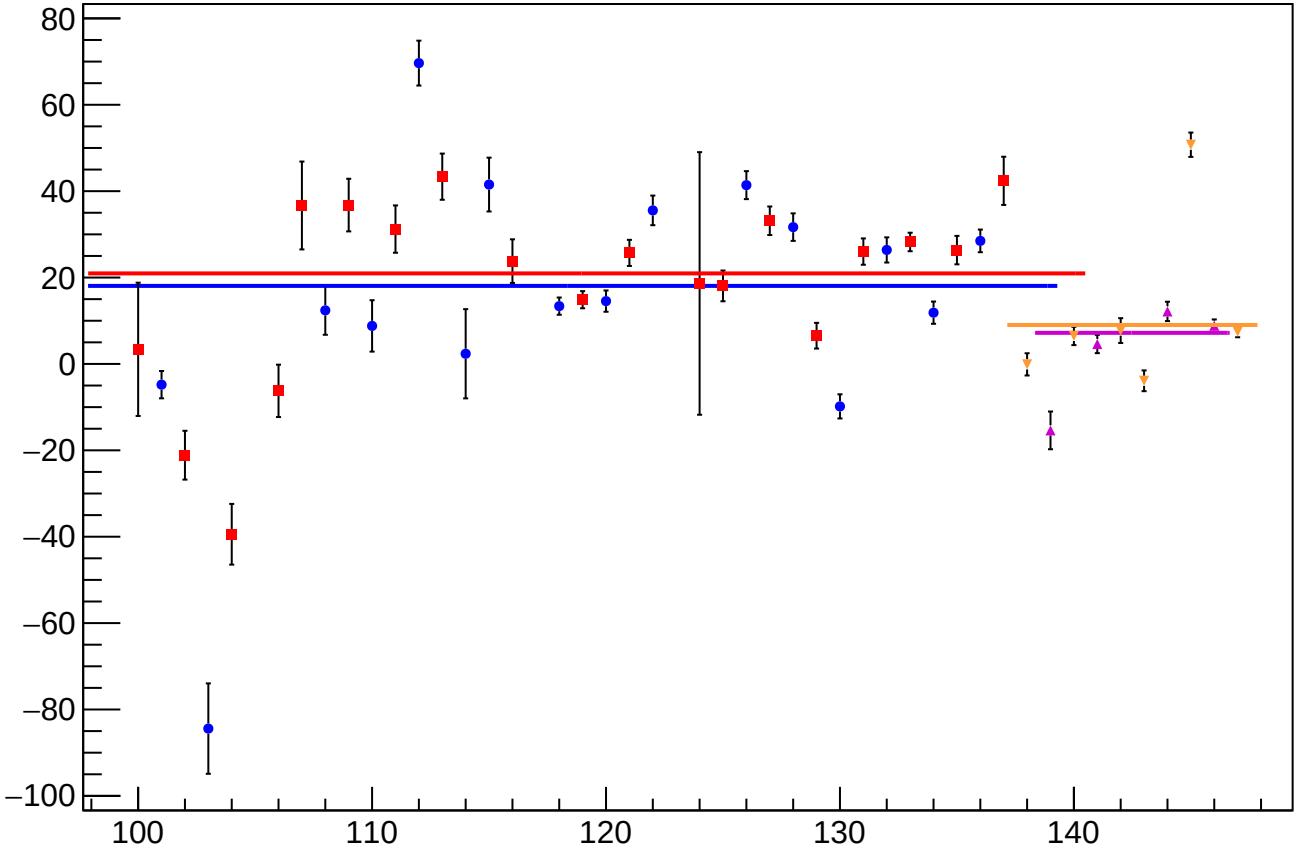
Left In: -51.393+/-1.352 χ^2/NDF:133.4/3

+ sign -33.201+/-0.690 χ^2/NDF: 2771.6/21

All: -37.465+/-0.501 χ^2/NDF: 5023.3/44

- sign -42.216+/-0.728 χ^2/NDF: 2170.9/22

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.019+/-0.847 χ^2/NDF:264.1/5

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

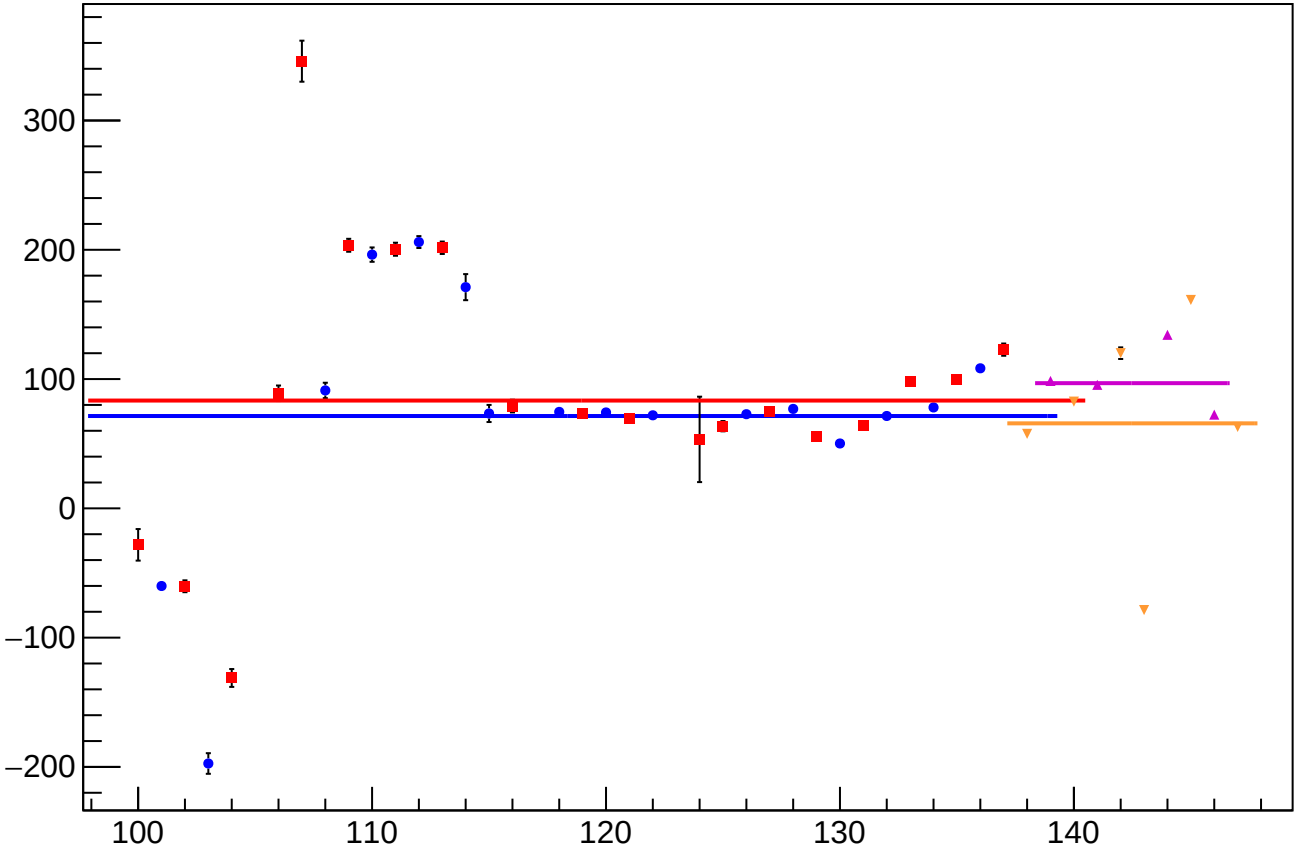
Left In: 7.200+/-1.028 χ^2/NDF:34.4/3

+ sign 13.675+/-0.590 χ^2/NDF: 822.4/21

All: 14.362+/-0.441 χ^2/NDF: 1227.0/44

- sign 15.231+/-0.663 χ^2/NDF: 401.6/22

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 65.747+/-1.214 χ^2/NDF:2869.3/5

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

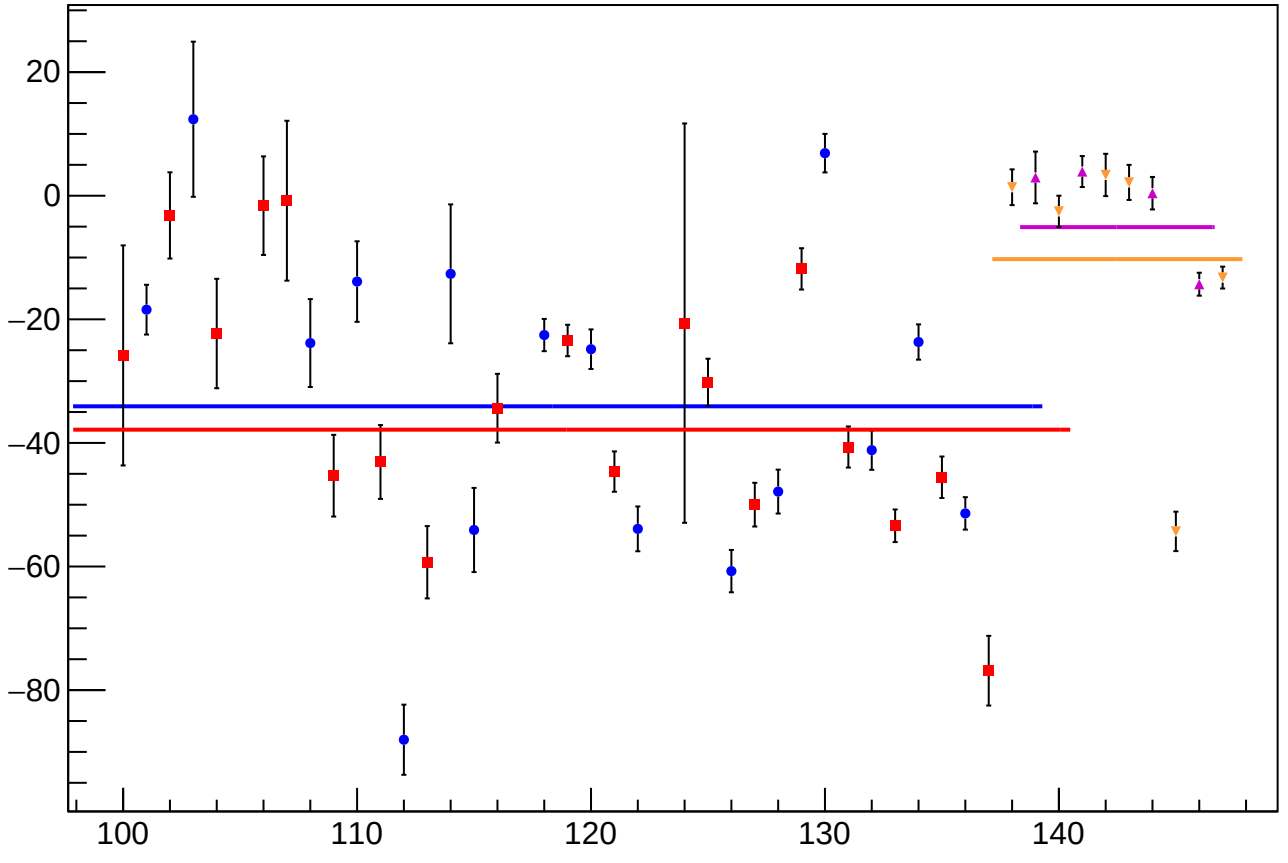
Left In: 96.836+/-1.367 χ^2/NDF:239.7/3

\+ sign 69.319+/-0.739 χ^2/NDF: 7702.7/21

All: 77.919+/-0.543 χ^2/NDF: 12597.5/44

\- sign 87.983+/-0.799 χ^2/NDF: 4600.8/22

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.258+/-1.052 χ^2/NDF:254.4/5

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

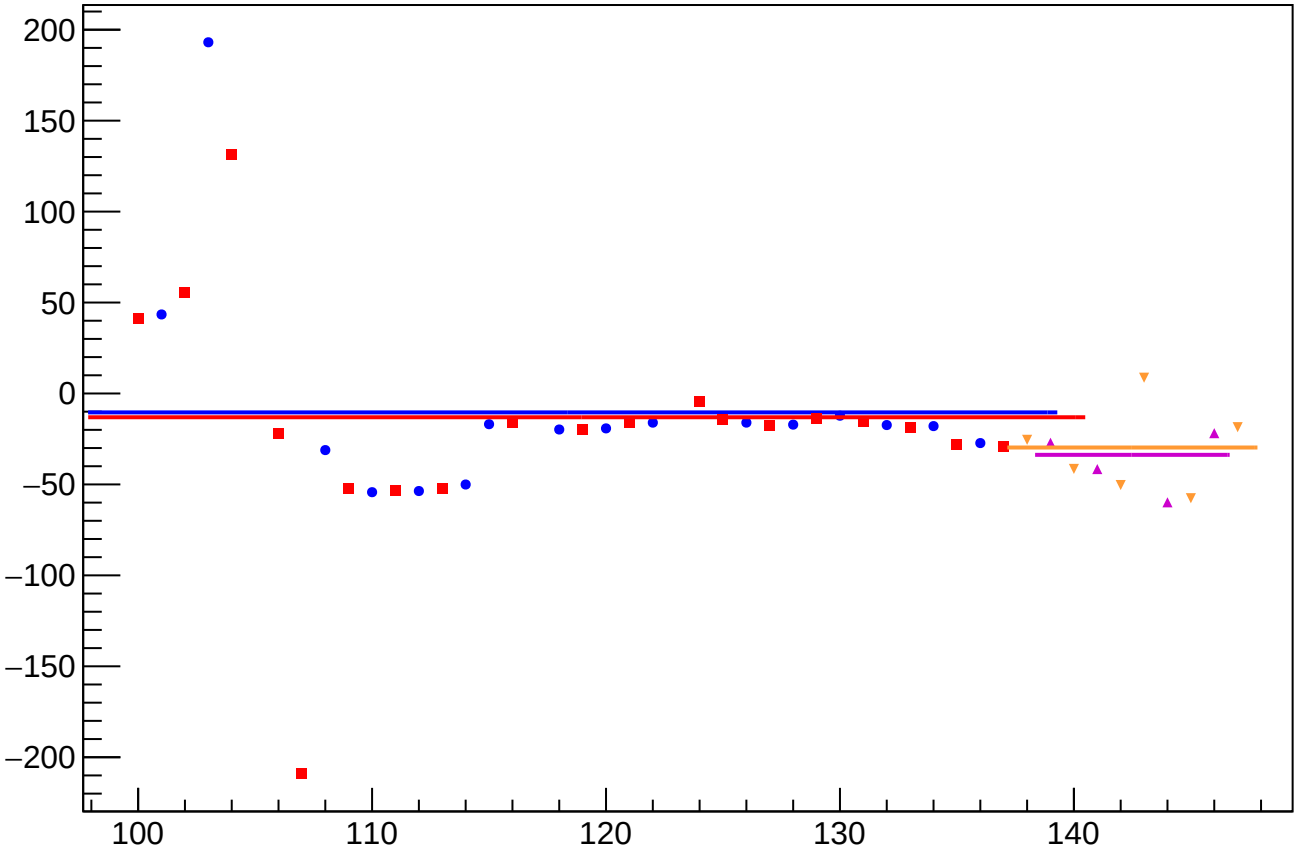
Left In: -5.078+/-1.239 χ^2/NDF:45.7/3

+ sign -23.481+/-0.702 χ^2/NDF: 1049.9/21

All: -24.178+/-0.520 χ^2/NDF: 1798.1/44

- sign -25.028+/-0.775 χ^2/NDF: 746.0/22

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -29.707+/-0.051 χ^2/NDF:155454.4/5

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

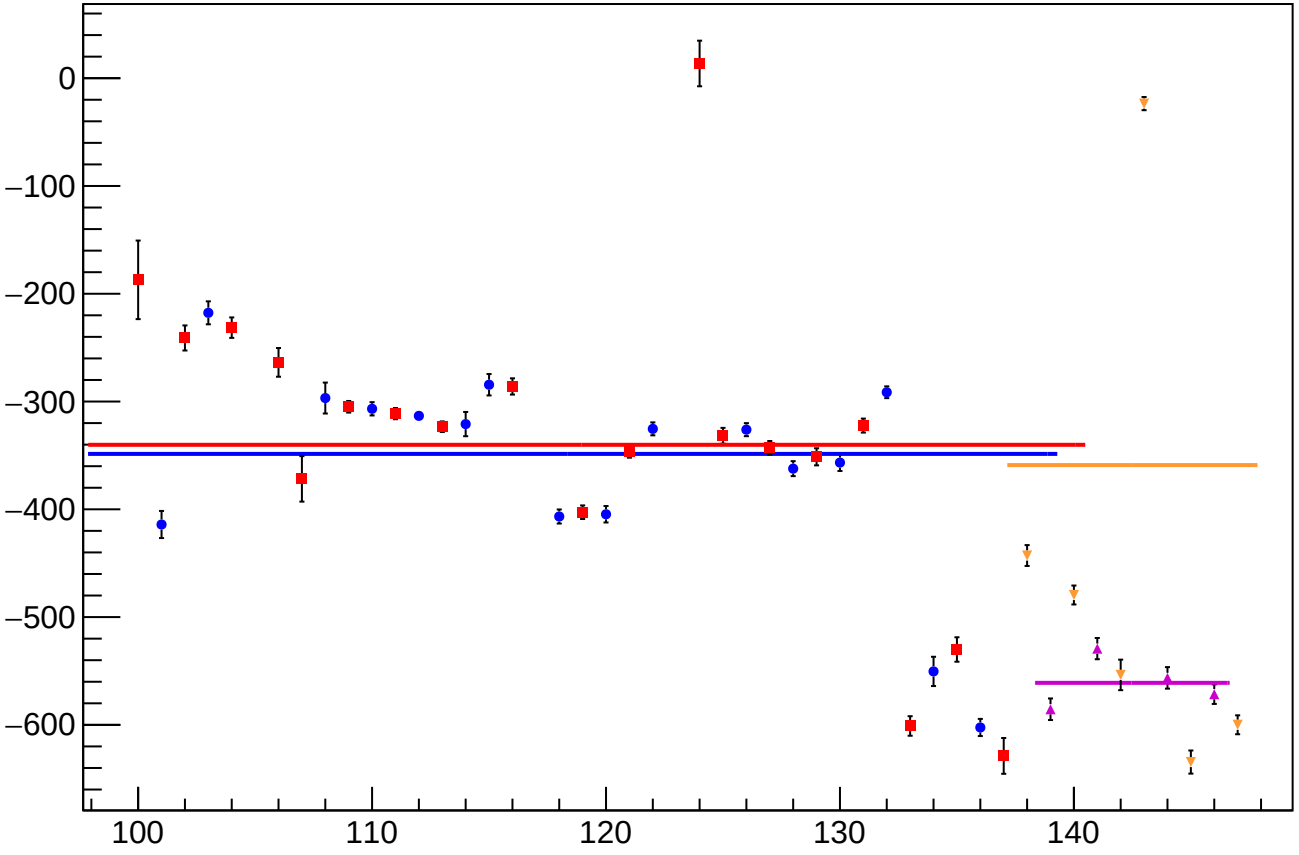
Left In: -33.738+/-0.055 χ^2/NDF:56795.1/3

+ sign -21.154+/-0.038 χ^2/NDF: 742096.5/21

All: -22.789+/-0.028 χ^2/NDF: 1314090.9/44

- sign -24.741+/-0.041 χ^2/NDF: 567892.5/22

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -358.963+/-3.604 χ^2/NDF:4868.0/5

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

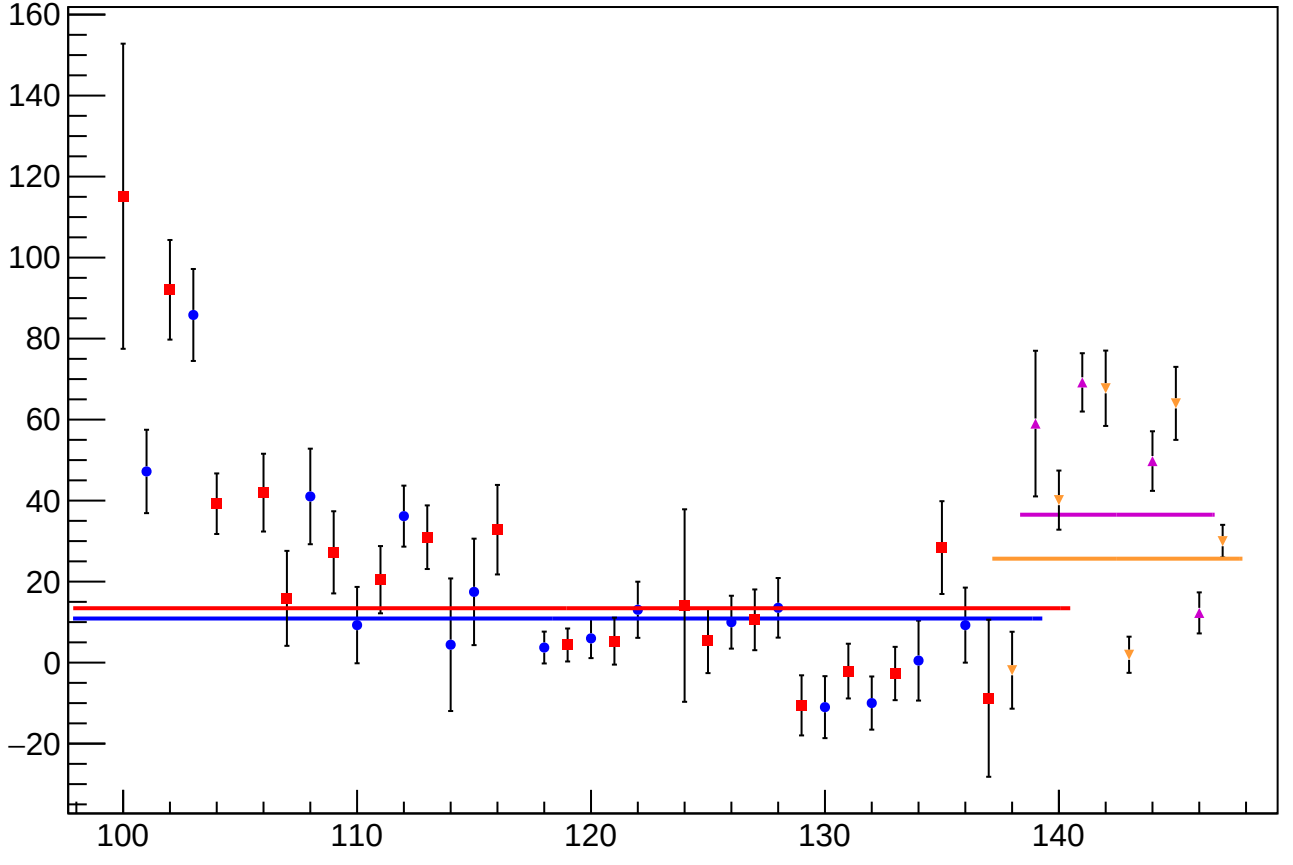
Left In: -561.003+/-4.851 χ^2/NDF:17.9/3

+ sign -350.703+/-1.628 χ^2/NDF: 6732.9/21

All: -358.142+/-1.160 χ^2/NDF: 10822.4/44

- sign -365.821+/-1.654 χ^2/NDF: 4047.1/22

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 25.660+/-2.459 χ^2/NDF:80.3/5

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

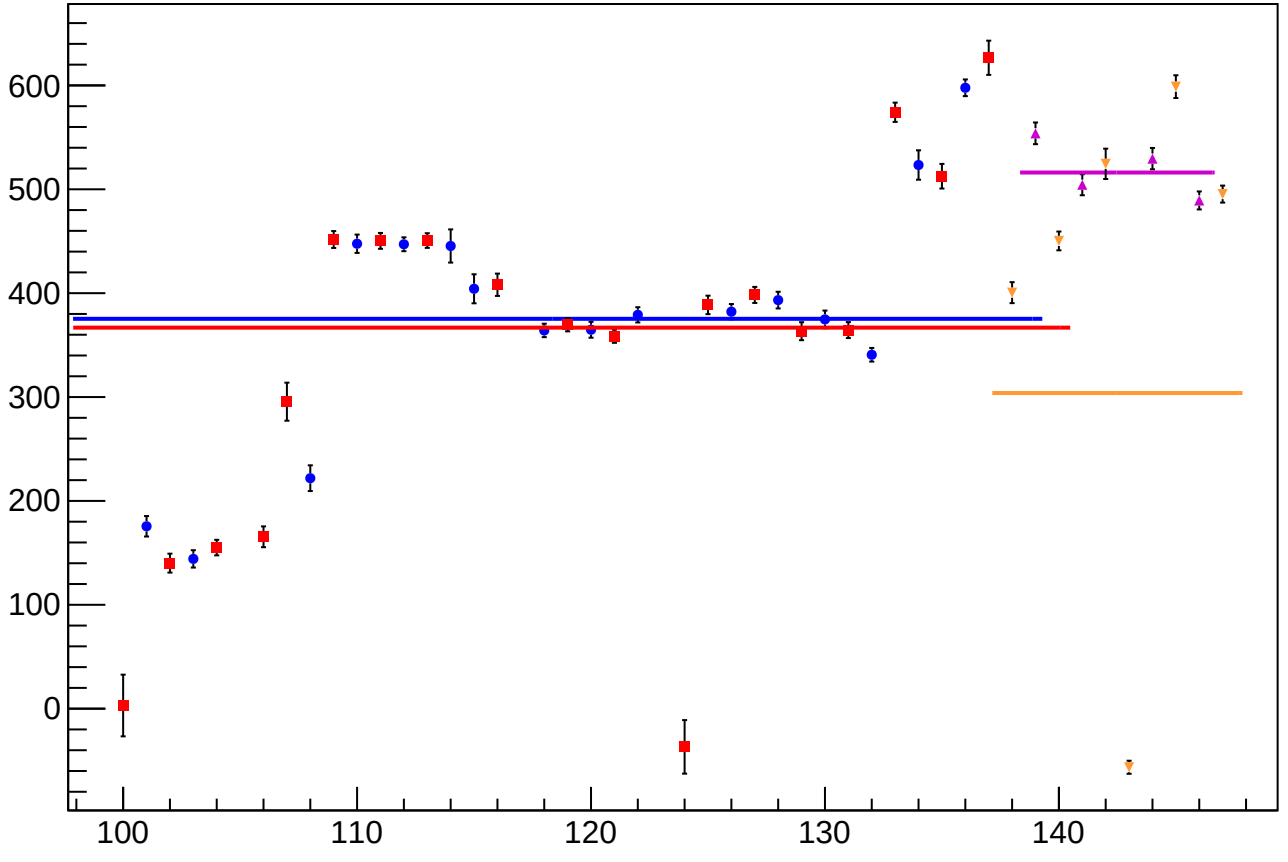
Left In: 36.517+/-3.540 χ^2/NDF:48.3/3

+ sign 16.200+/-1.475 χ^2/NDF: 201.6/21

All: 17.181+/-1.097 χ^2/NDF: 396.7/44

- sign 18.399+/-1.643 χ^2/NDF: 194.1/22

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 303.882+/-3.646 χ^2/NDF:5127.6/5

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

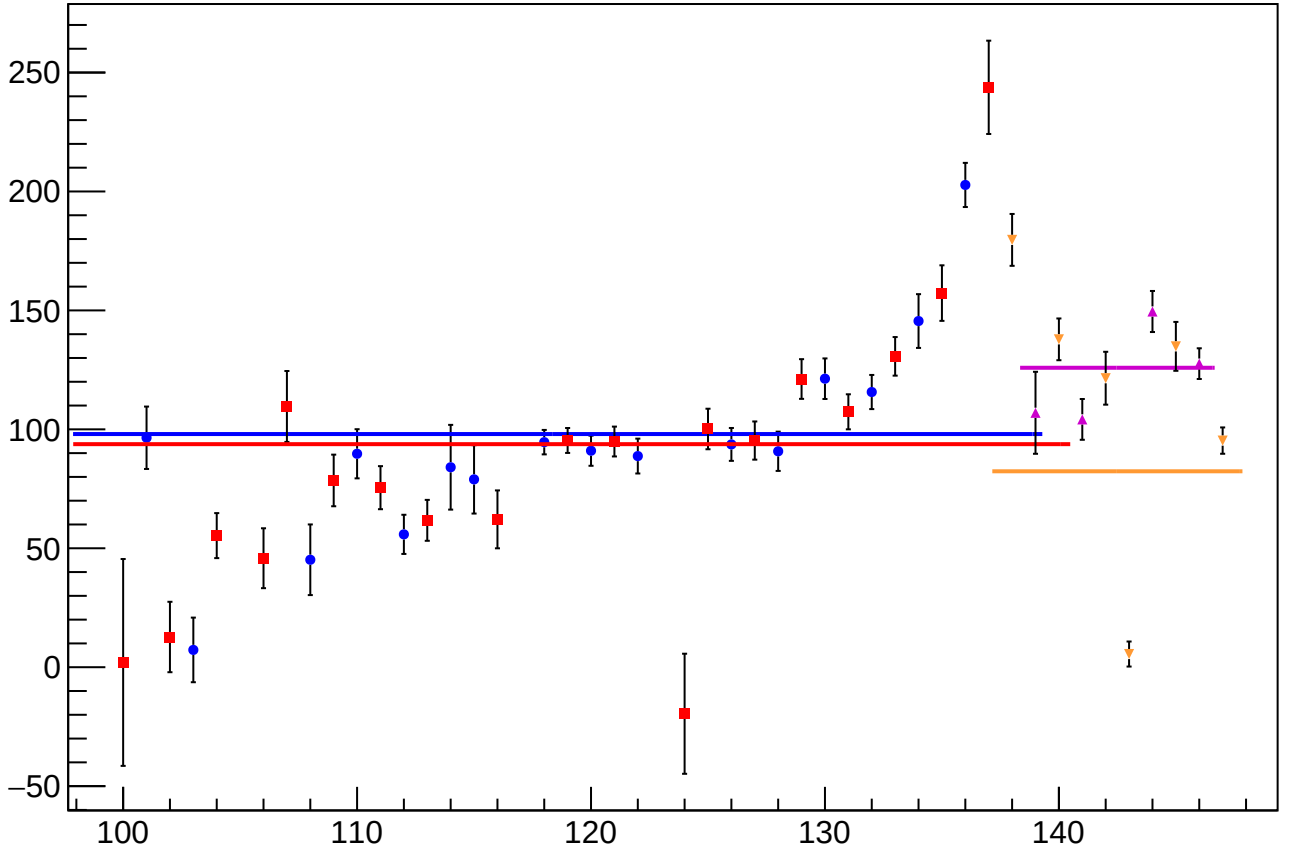
Left In: 516.151+/-4.894 χ^2/NDF:25.7/3

+ sign 357.492+/-1.822 χ^2/NDF: 7865.1/21

All: 372.714+/-1.312 χ^2/NDF: 12369.0/44

- sign 389.107+/-1.890 χ^2/NDF: 4358.9/22

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 82.363+/-3.047 χ^2/NDF:376.6/5

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

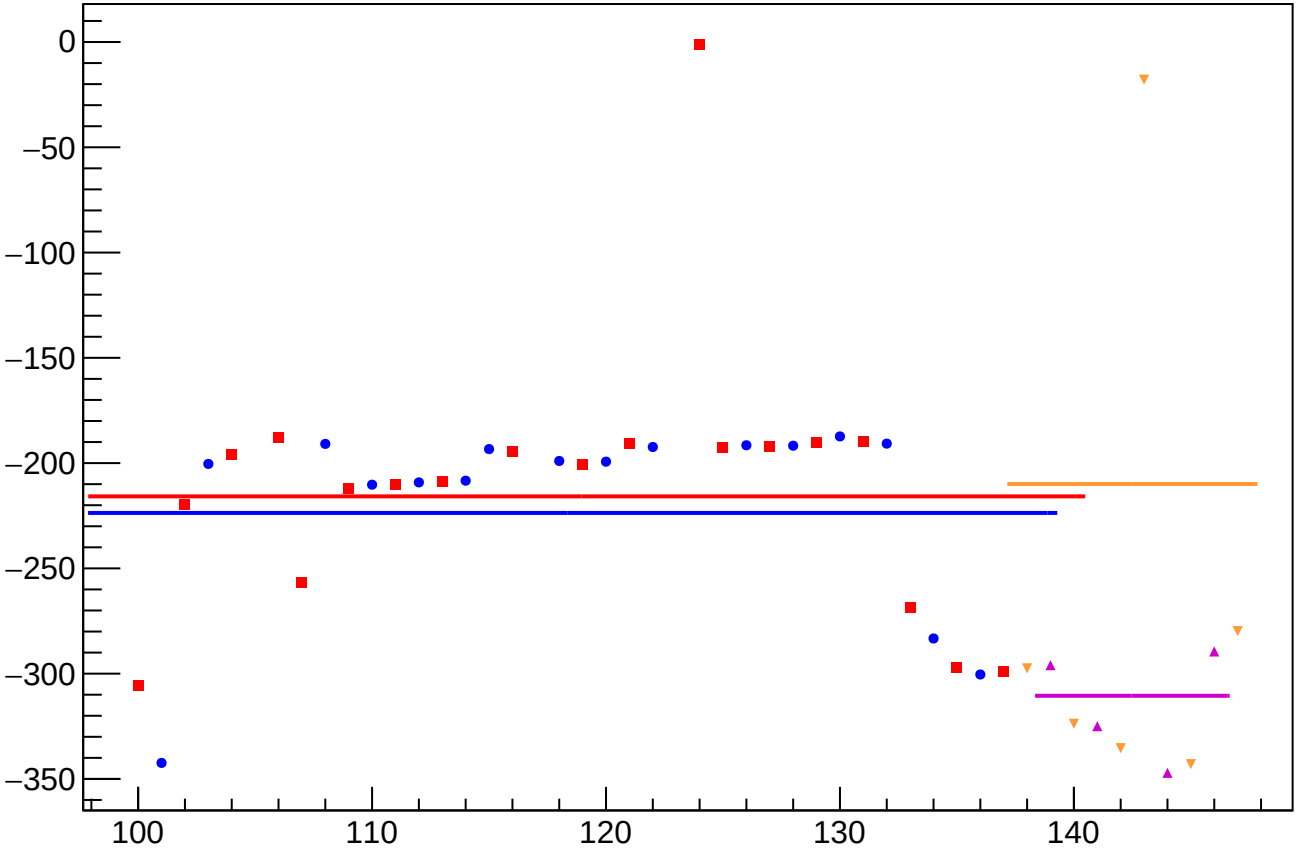
Left In: 125.885+/-4.288 χ^2/NDF:15.2/3

+ sign 92.835+/-1.754 χ^2/NDF: 643.7/21

All: 96.182+/-1.293 χ^2/NDF: 949.0/44

- sign 100.168+/-1.914 χ^2/NDF: 297.3/22

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -209.924+/-0.153 χ^2/NDF:840696.5/5

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

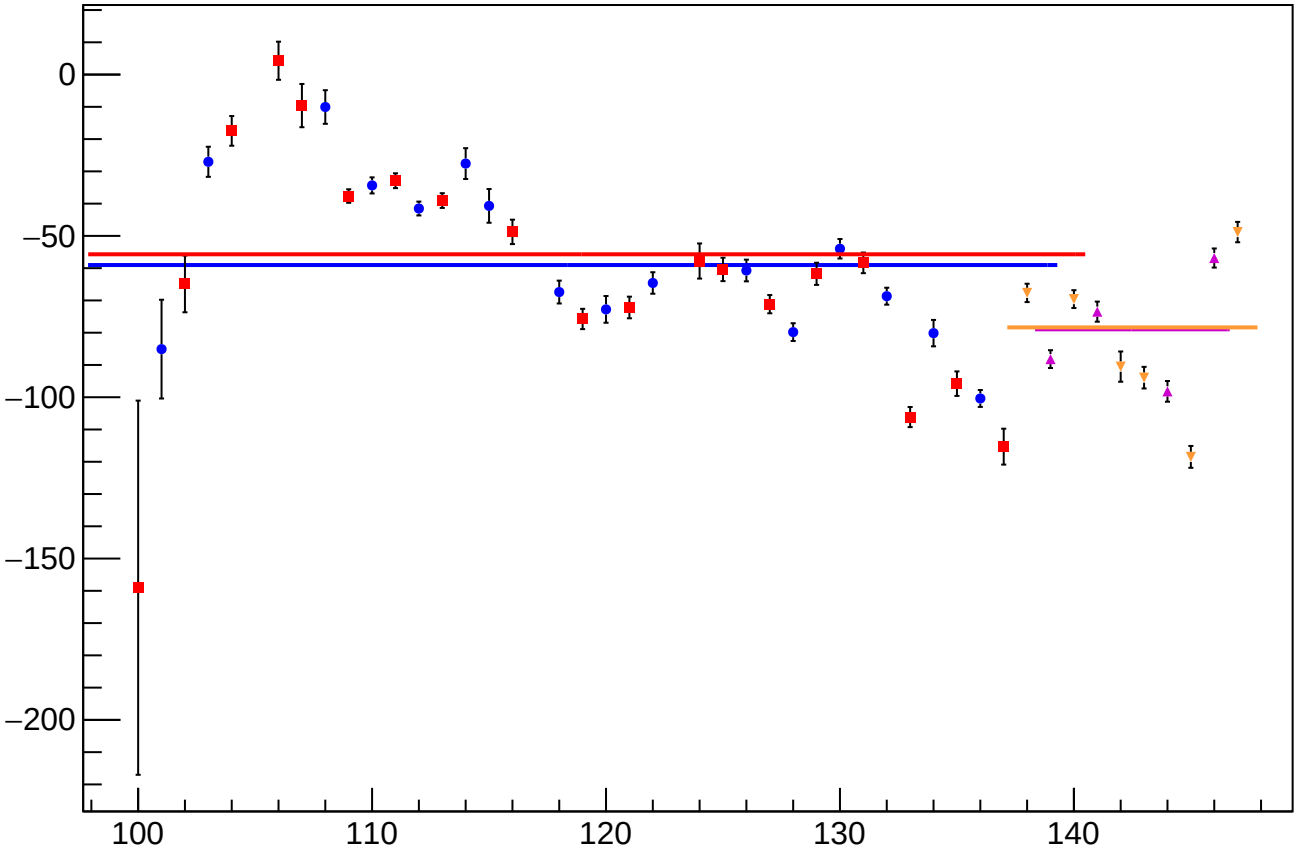
Left In: -310.504+/-0.200 χ^2/NDF:12241.3/3

+ sign -217.507+/-0.103 χ^2/NDF: 966651.1/21

All: -230.215+/-0.076 χ^2/NDF: 1248116.1/44

- sign -245.194+/-0.112 χ^2/NDF: 248119.8/22

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -78.360+/-1.317 χ^2/NDF:280.4/5

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

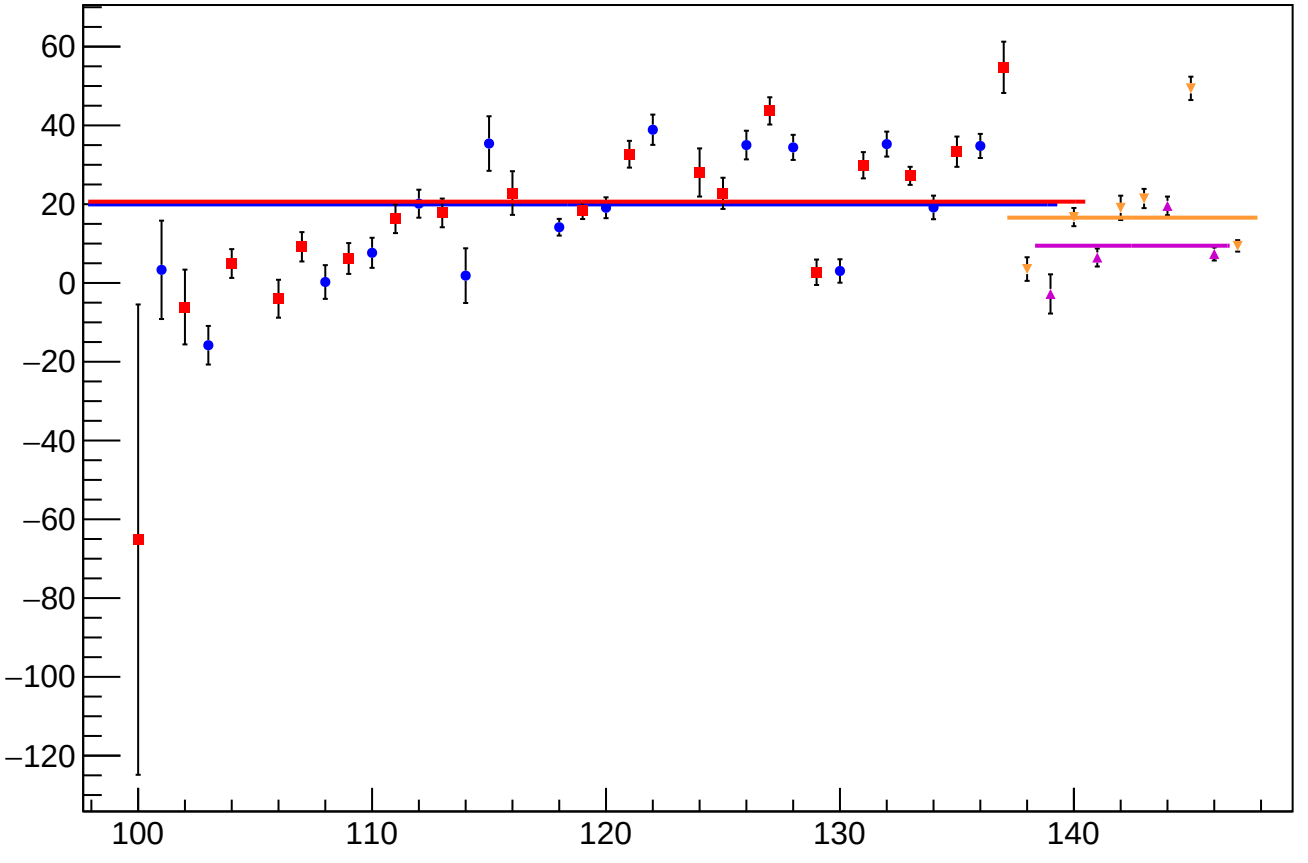
Left In: -78.958+/-1.498 χ^2/NDF:105.8/3

+ sign -64.519+/-0.702 χ^2/NDF: 1162.0/21

All: -62.631+/-0.495 χ^2/NDF: 2511.9/44

- sign -60.759+/-0.699 χ^2/NDF: 1335.5/22

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 16.583+/-0.929 χ^2/NDF:170.4/5

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

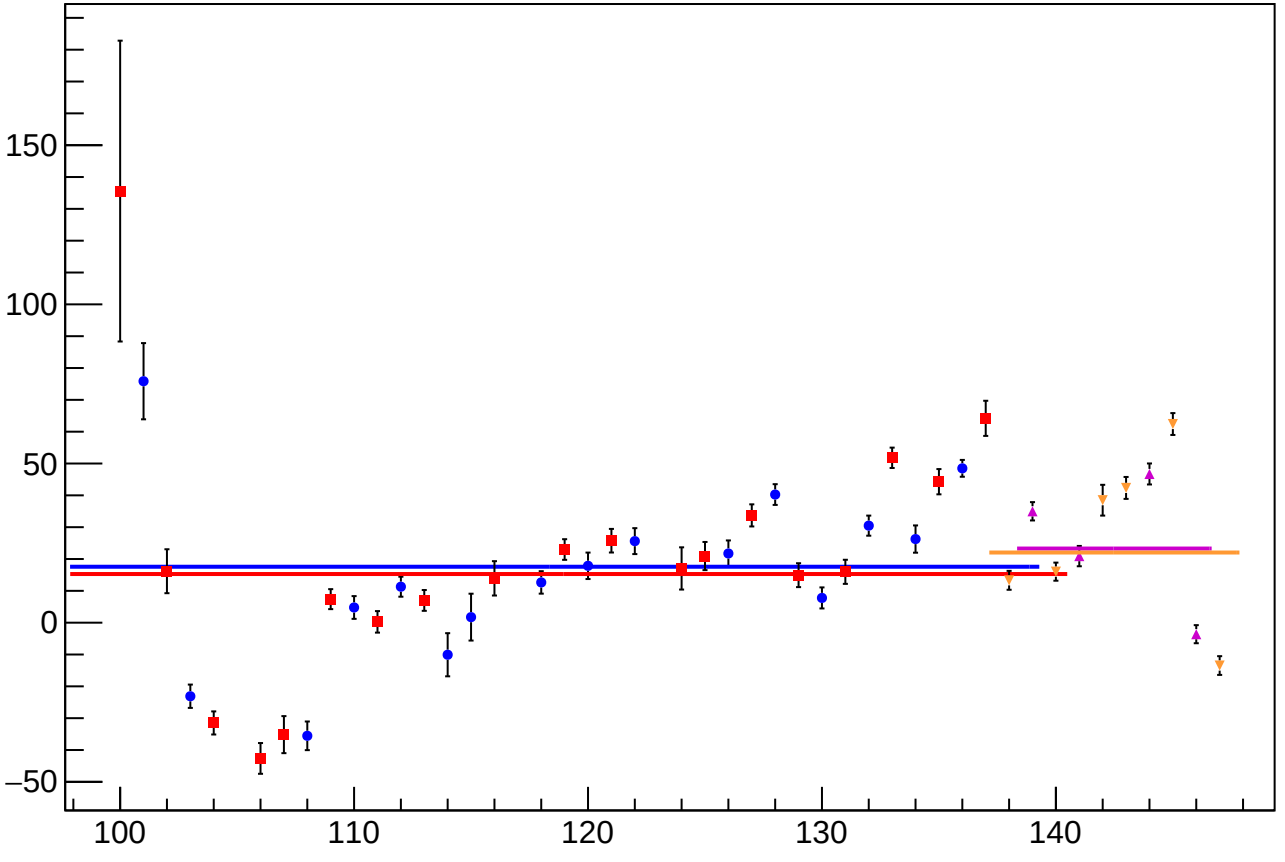
Left In: 9.458+/-1.144 χ^2/NDF:27.5/3

+ sign 18.381+/-0.634 χ^2/NDF: 424.5/21

All: 17.598+/-0.463 χ^2/NDF: 742.0/44

- sign 16.700+/-0.679 χ^2/NDF: 314.2/22

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 22.042+/-1.331 χ^2/NDF:343.0/5

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

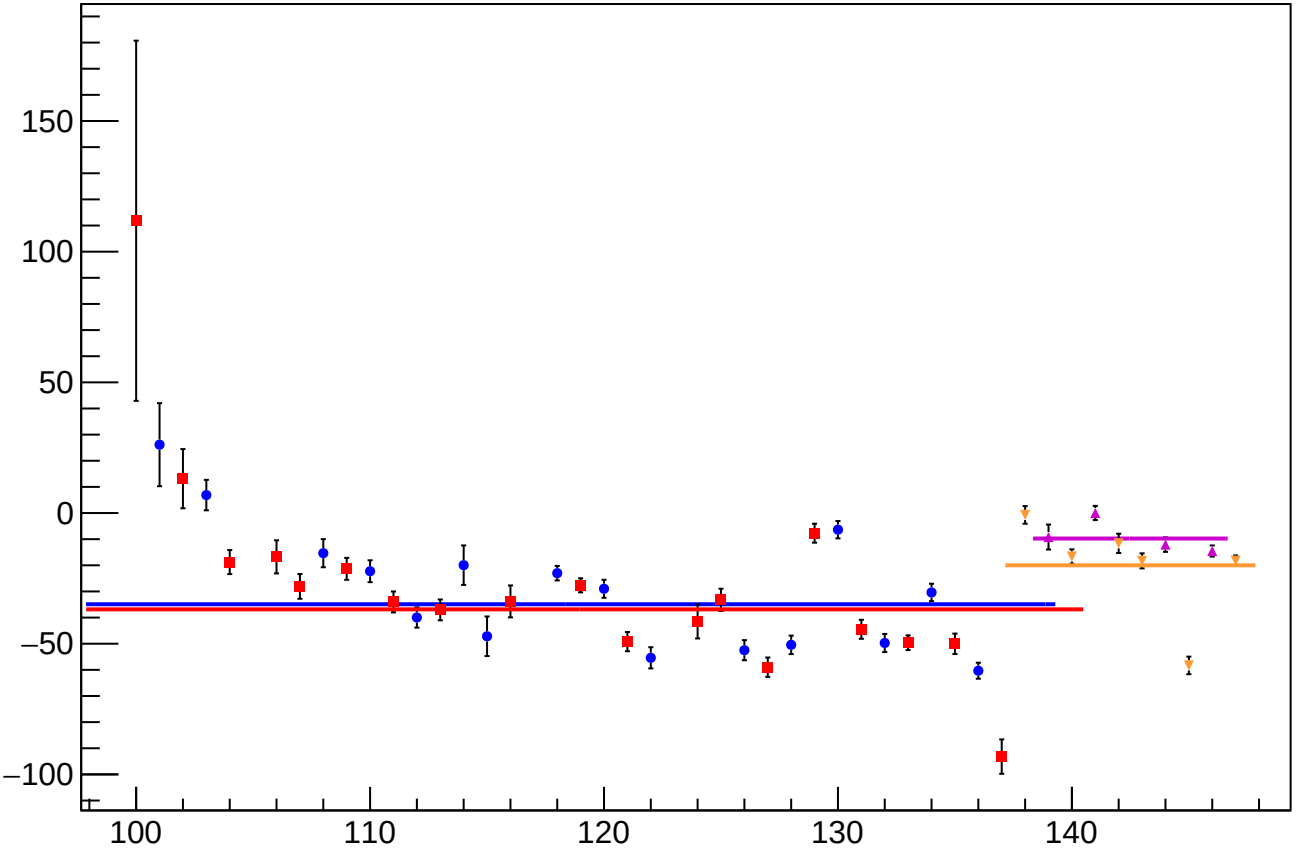
Left In: 23.288+/-1.517 χ^2/NDF:157.1/3

+ sign 19.096+/-0.777 χ^2/NDF: 896.6/21

All: 18.308+/-0.556 χ^2/NDF: 1806.1/44

- sign 17.483+/-0.795 χ^2/NDF: 907.4/22

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -20.002+/-1.152 χ^2/NDF:170.9/5

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

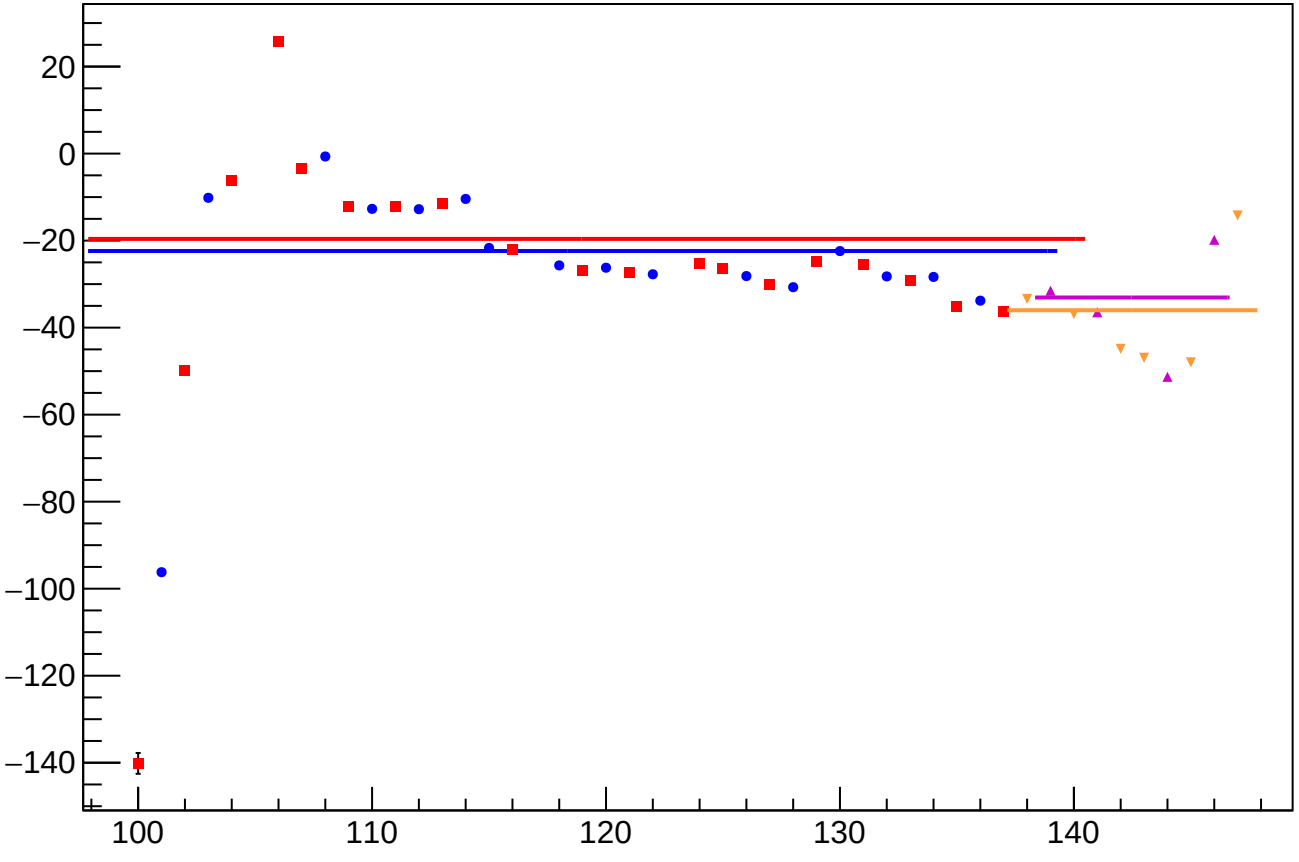
Left In: -9.758+/-1.374 χ^2/NDF:18.7/3

+ sign -28.567+/-0.751 χ^2/NDF: 613.7/21

All: -28.228+/-0.545 χ^2/NDF: 1193.8/44

- sign -27.851+/-0.792 χ^2/NDF: 579.7/22

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -36.003+/-0.056 χ^2/NDF:44057.2/5

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

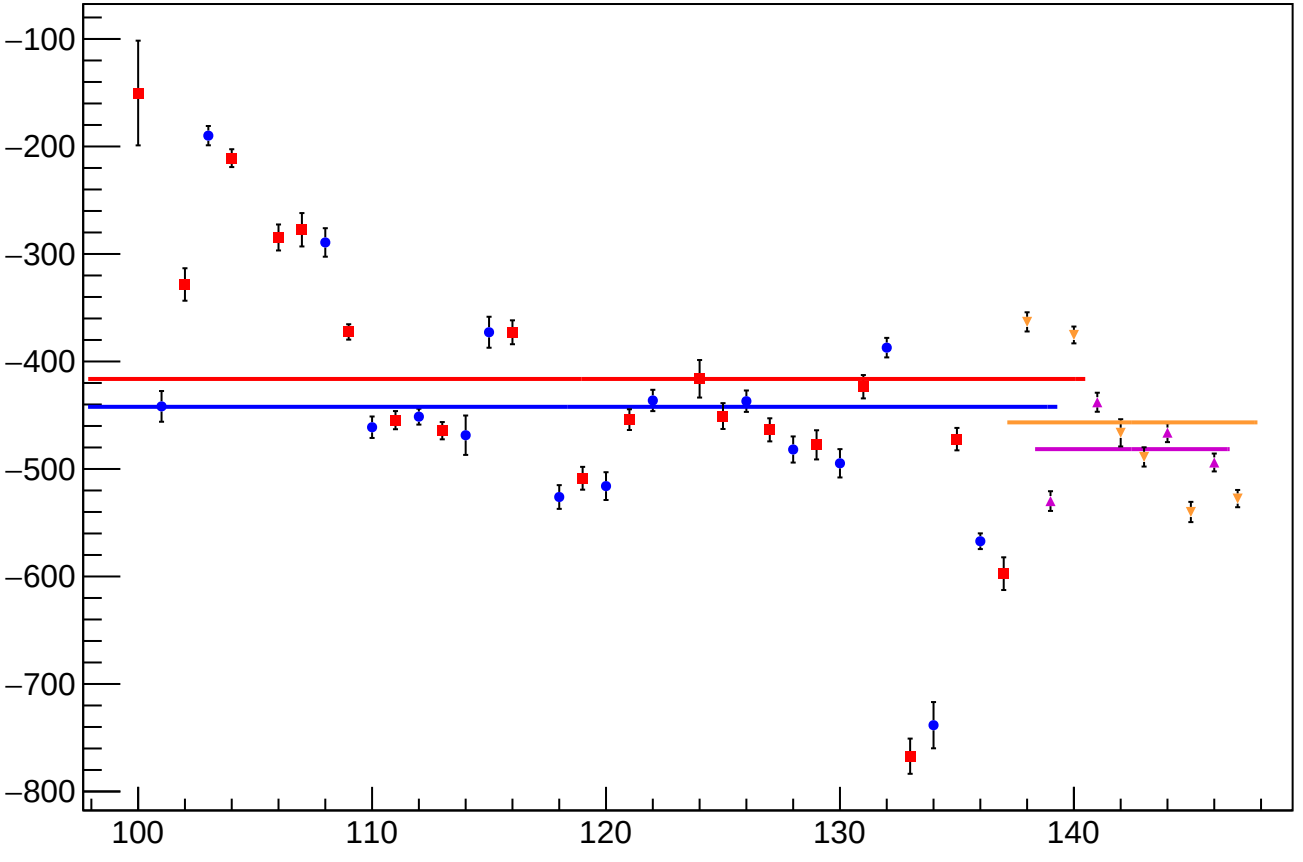
Left In: -33.078+/-0.061 χ^2/NDF:27905.2/3

+ sign -29.523+/-0.040 χ^2/NDF: 119134.7/21

All: -27.931+/-0.029 χ^2/NDF: 259146.6/44

- sign -26.140+/-0.043 χ^2/NDF: 136681.8/22

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -456.660+/-3.667 χ^2/NDF:387.5/5

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

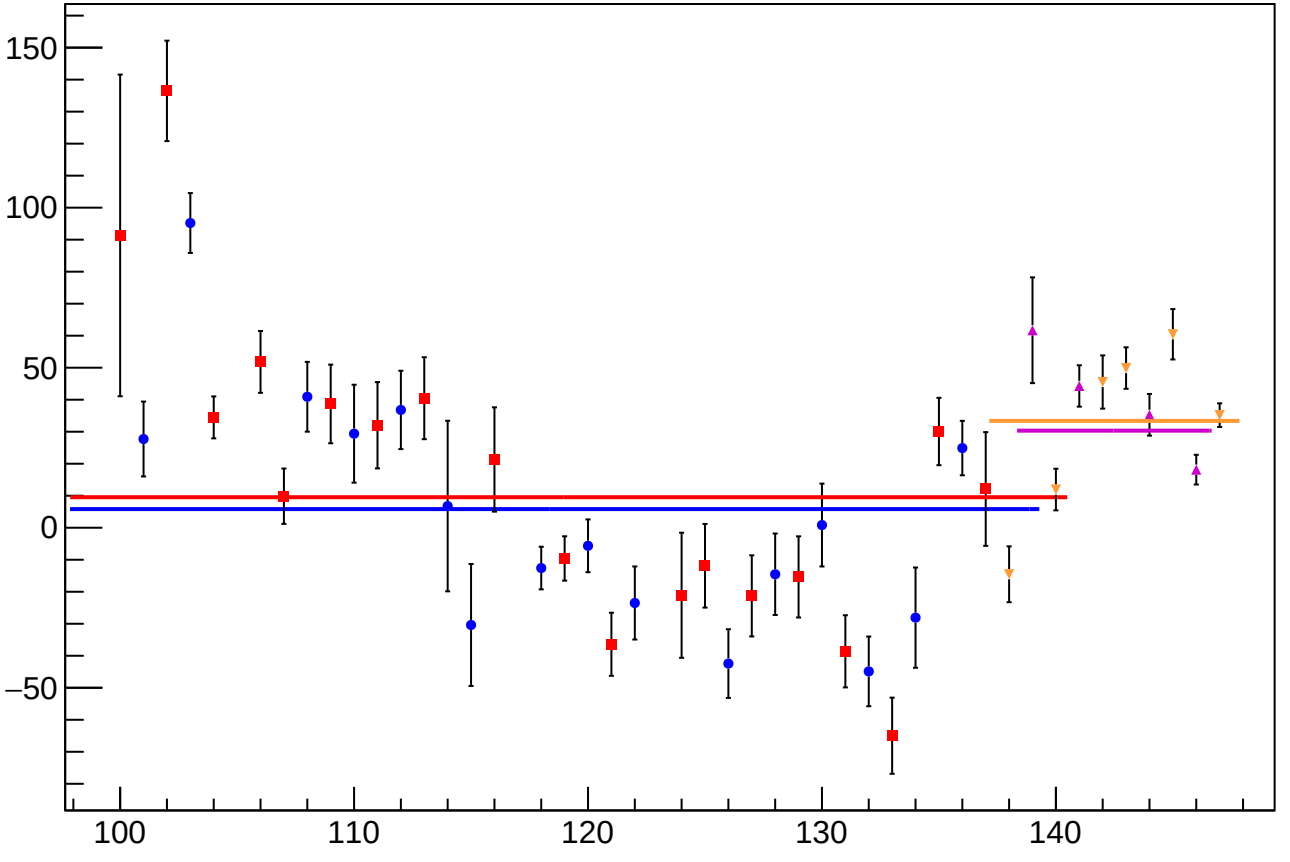
Left In: -481.543+/-4.388 χ^2/NDF:57.3/3

+ sign -447.227+/-2.165 χ^2/NDF: 1986.7/21

All: -439.926+/-1.538 χ^2/NDF: 3987.2/44

- sign -432.473+/-2.187 χ^2/NDF: 1977.5/22

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 33.385+/-2.464 χ^2/NDF:61.7/5

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

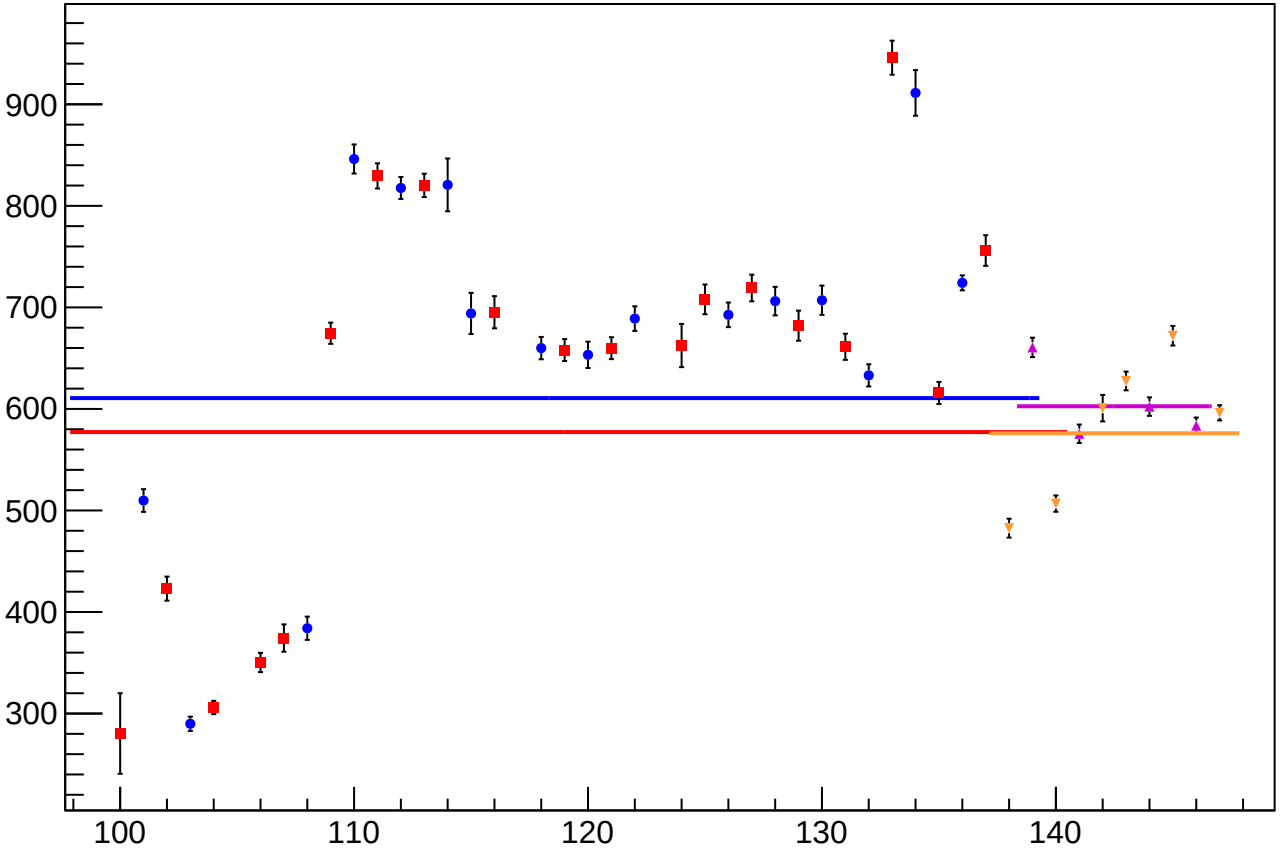
Left In: 30.331+/-3.201 χ^2/NDF:15.7/3

+ sign 21.005+/-1.828 χ^2/NDF: 306.1/21

All: 19.468+/-1.349 χ^2/NDF: 571.3/44

- sign 17.634+/-1.997 χ^2/NDF: 263.7/22

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 576.010+/-3.695 χ^2/NDF:316.2/5

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

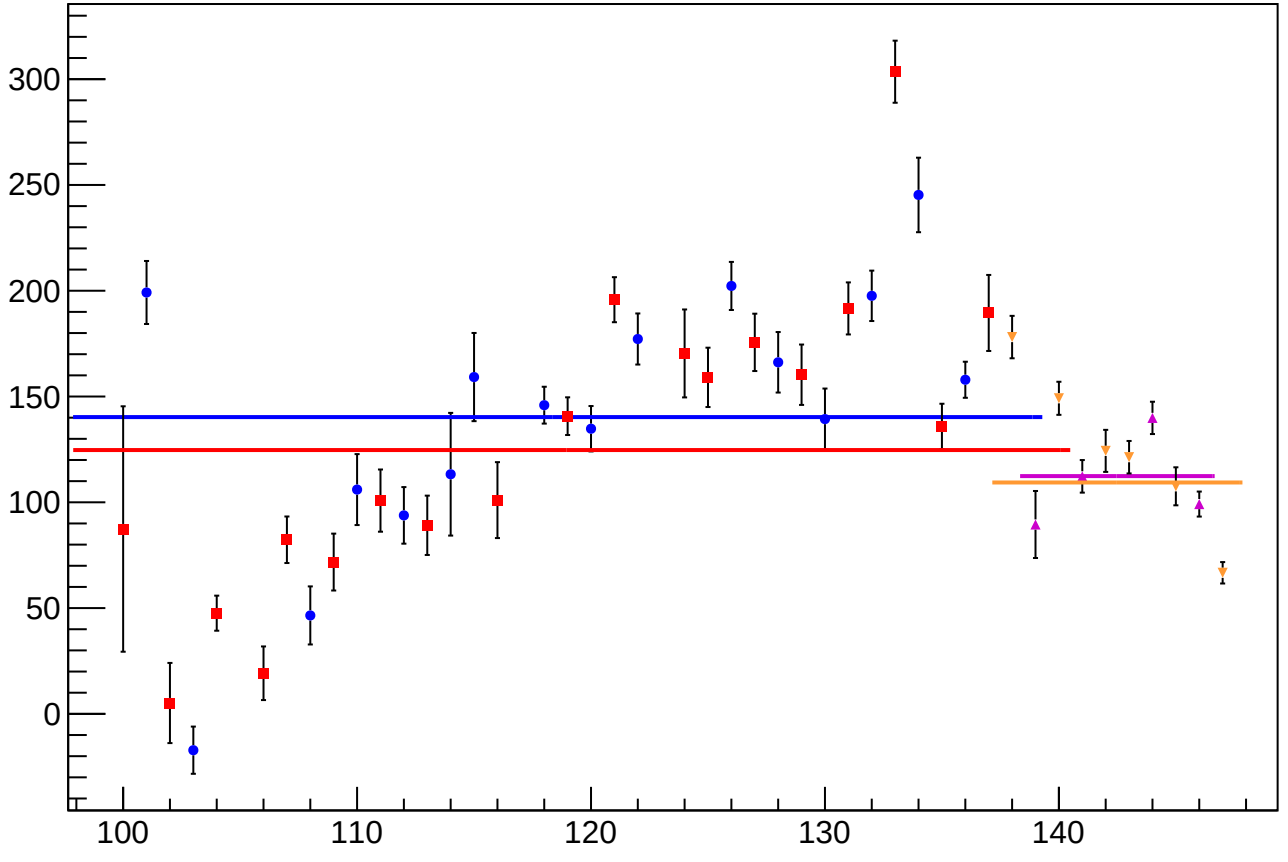
Left In: 602.635+/-4.429 χ^2/NDF:51.4/3

+ sign 597.501+/-2.278 χ^2/NDF: 4263.3/21

All: 591.077+/-1.632 χ^2/NDF: 9155.1/44

- sign 584.299+/-2.339 χ^2/NDF: 4875.5/22

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 109.368+/-3.088 χ^2/NDF:148.8/5

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

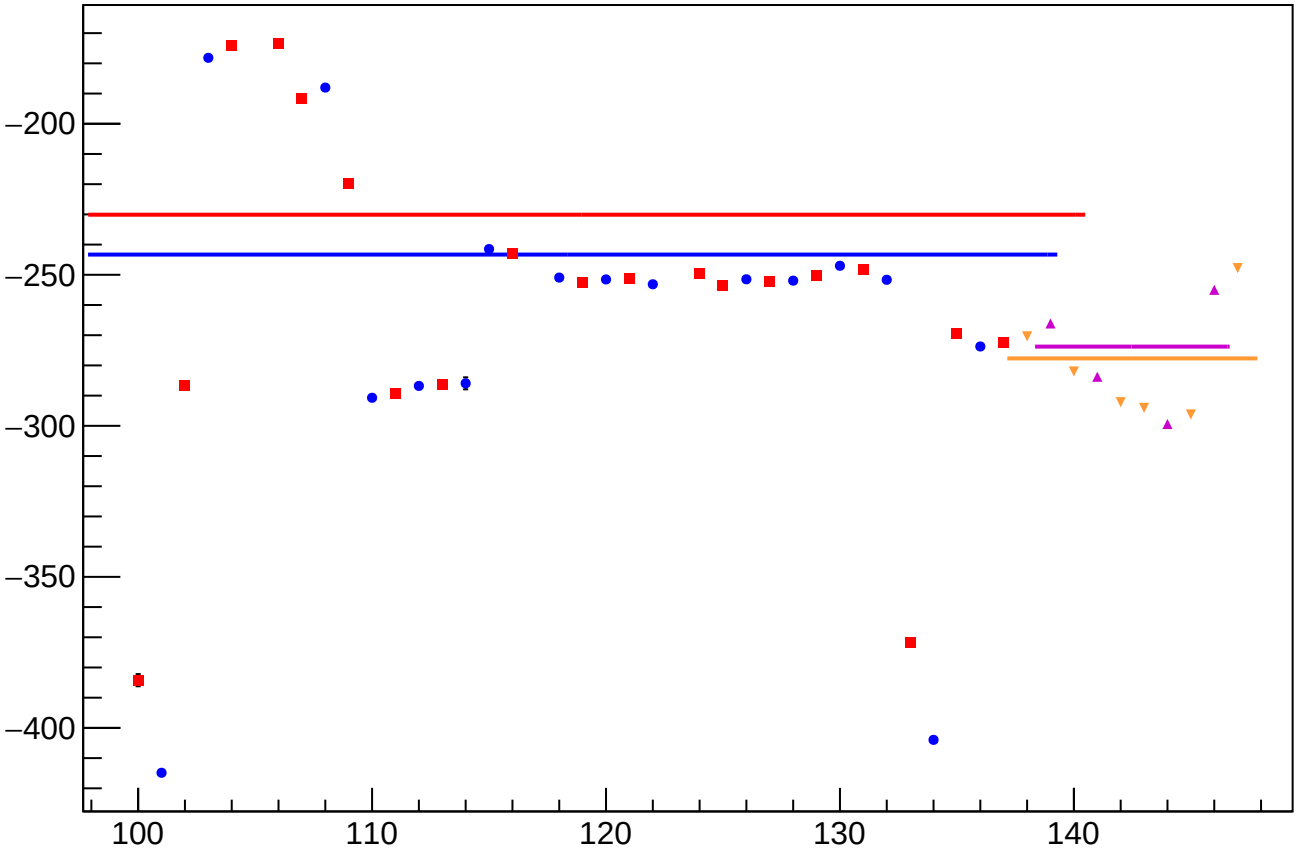
Left In: 112.386+/-3.875 χ^2/NDF:20.1/3

+ sign 124.510+/-2.206 χ^2/NDF: 583.2/21

All: 122.467+/-1.612 χ^2/NDF: 1120.0/44

- sign 120.125+/-2.362 χ^2/NDF: 534.9/22

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -277.683+/-0.156 χ^2/NDF:13497.5/5

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

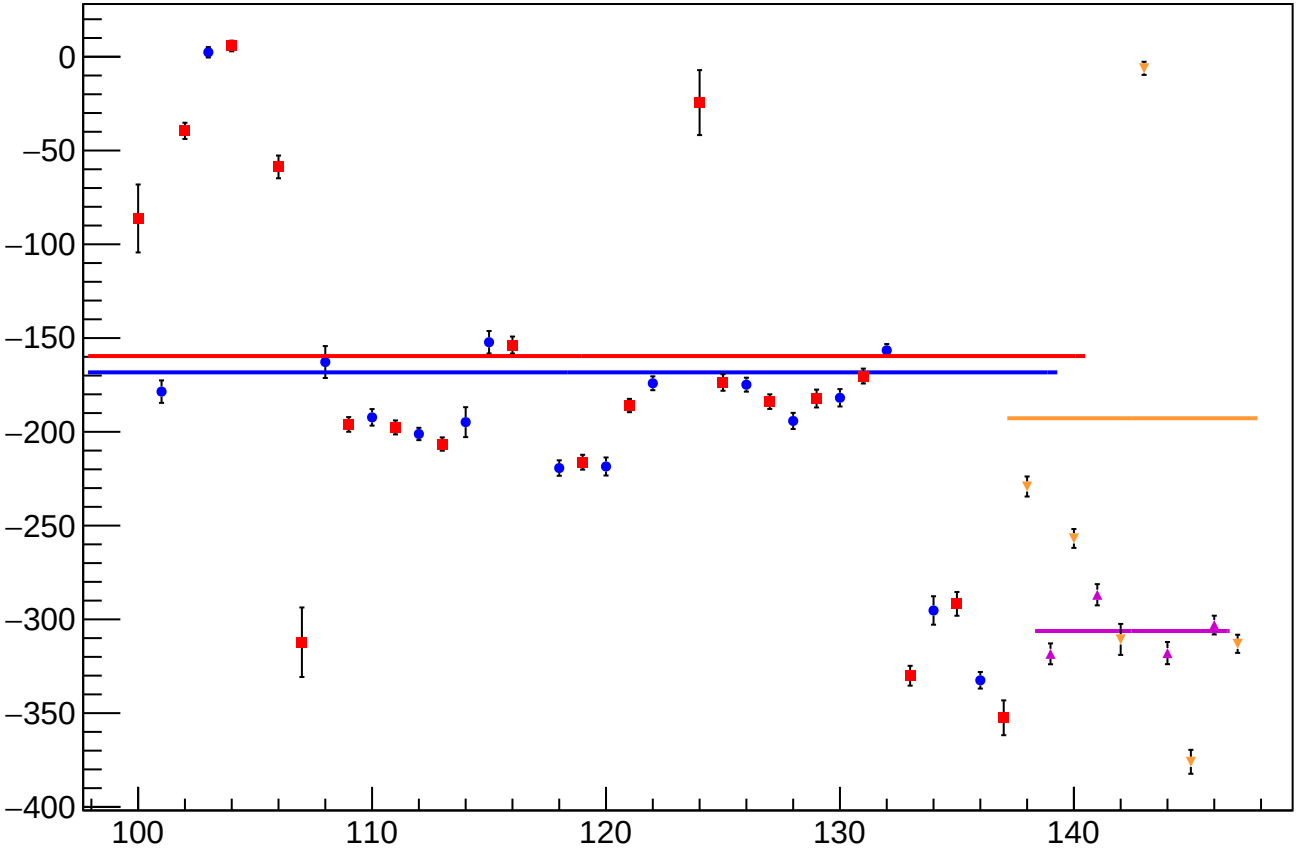
Left In: -273.775+/-0.181 χ^2/NDF:8206.8/3

+ sign -261.175+/-0.113 χ^2/NDF: 210240.4/21

All: -255.347+/-0.082 χ^2/NDF: 359609.6/44

- sign -248.853+/-0.119 χ^2/NDF: 143707.8/22

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -192.759+/-2.052 χ^2/NDF:4679.0/5

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

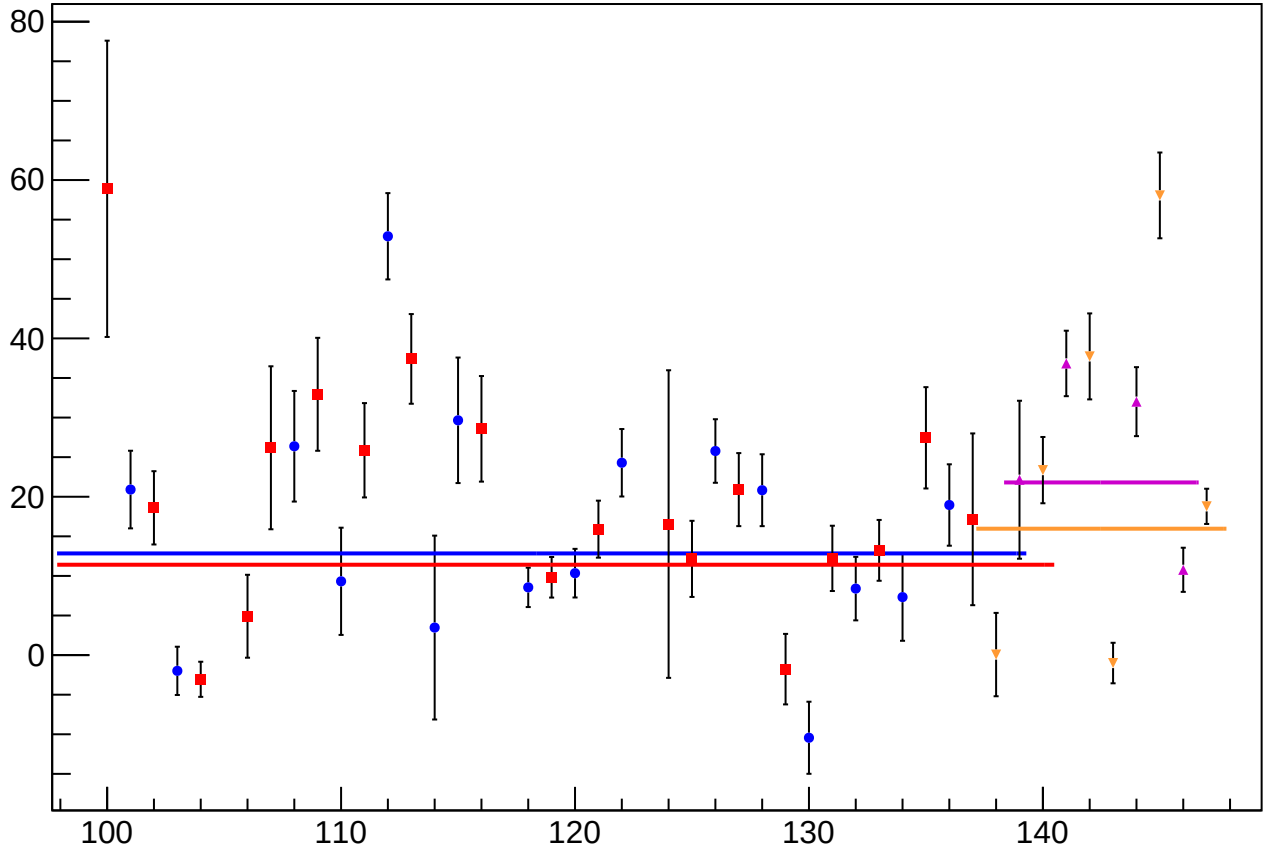
Left In: -306.207+/-2.752 χ^2/NDF:20.8/3

+ sign -173.565+/-0.953 χ^2/NDF: 10698.0/21

All: -175.730+/-0.681 χ^2/NDF: 20409.6/44

- sign -177.997+/-0.975 χ^2/NDF: 9700.9/22

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.965+/-1.392 χ^2/NDF:134.3/5

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

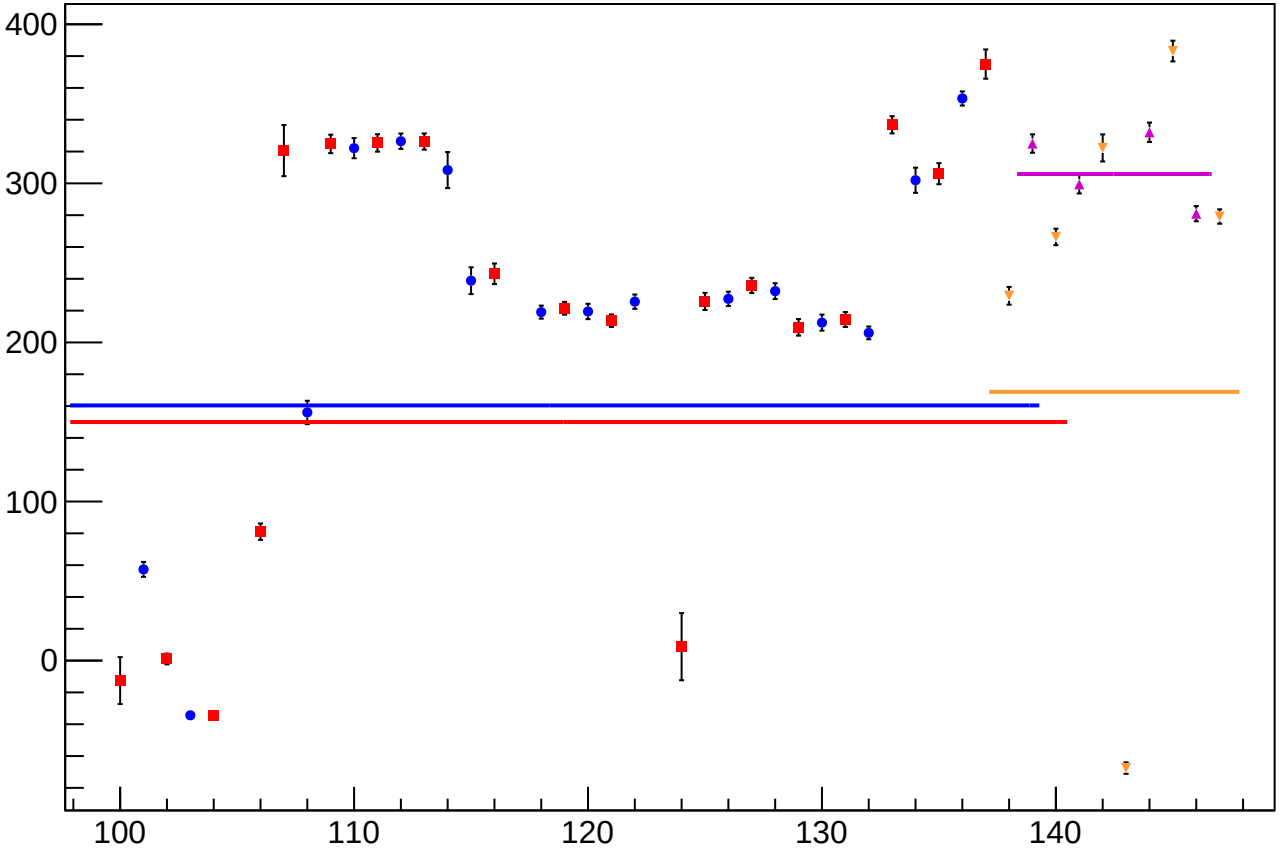
Left In: 21.806+/-2.000 χ^2/NDF:34.4/3

+ sign 14.010+/-0.852 χ^2/NDF: 281.1/21

All: 13.826+/-0.625 χ^2/NDF: 456.4/44

- sign 13.610+/-0.920 χ^2/NDF: 175.2/22

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 168.926+/-2.074 χ^2/NDF:6765.3/5

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

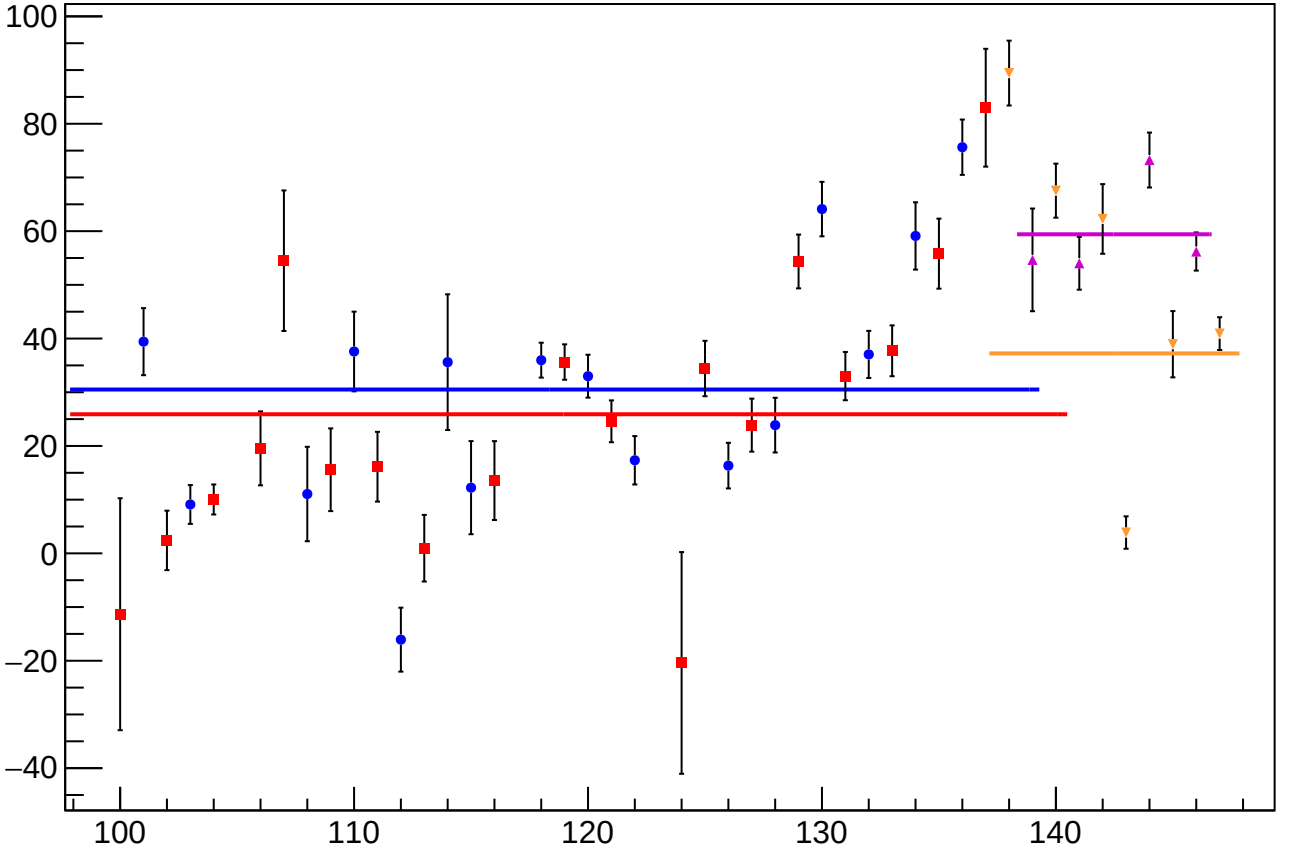
Left In: 305.870+/-2.773 χ^2/NDF:57.9/3

\+ sign 162.381+/-0.998 χ^2/NDF: 20728.1/21

All: 166.755+/-0.716 χ^2/NDF: 39816.7/44

\- sign 171.393+/-1.028 χ^2/NDF: 19049.1/22

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 37.233+/-1.730 χ^2/NDF:249.8/5

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

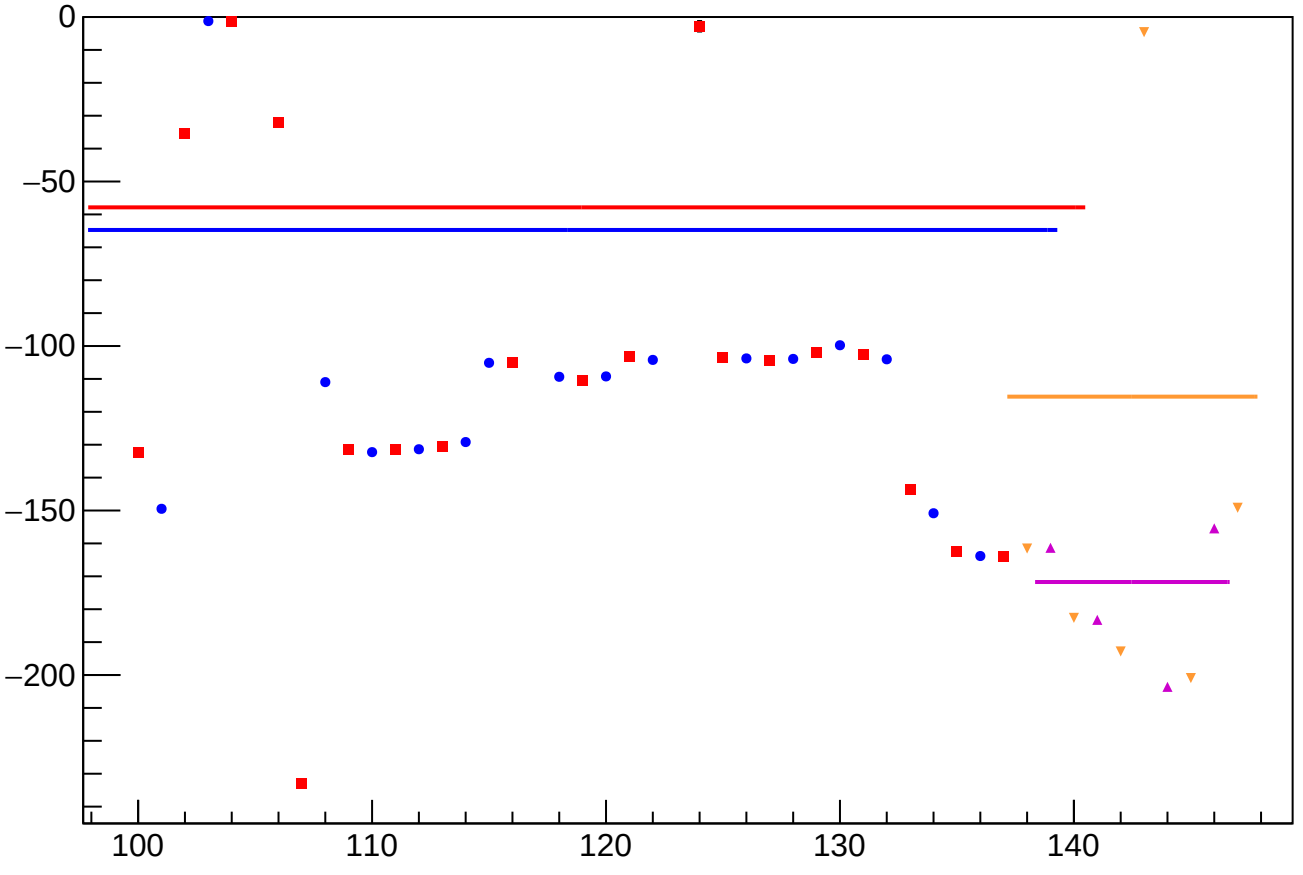
Left In: 59.416+/-2.428 χ^2/NDF:9.6/3

\+ sign 32.827+/-1.016 χ^2/NDF: 536.6/21

All: 32.719+/-0.742 χ^2/NDF: 886.4/44

\- sign 32.596+/-1.085 χ^2/NDF: 349.8/22

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -115.387+/-0.087 χ^2/NDF:861267.9/5

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

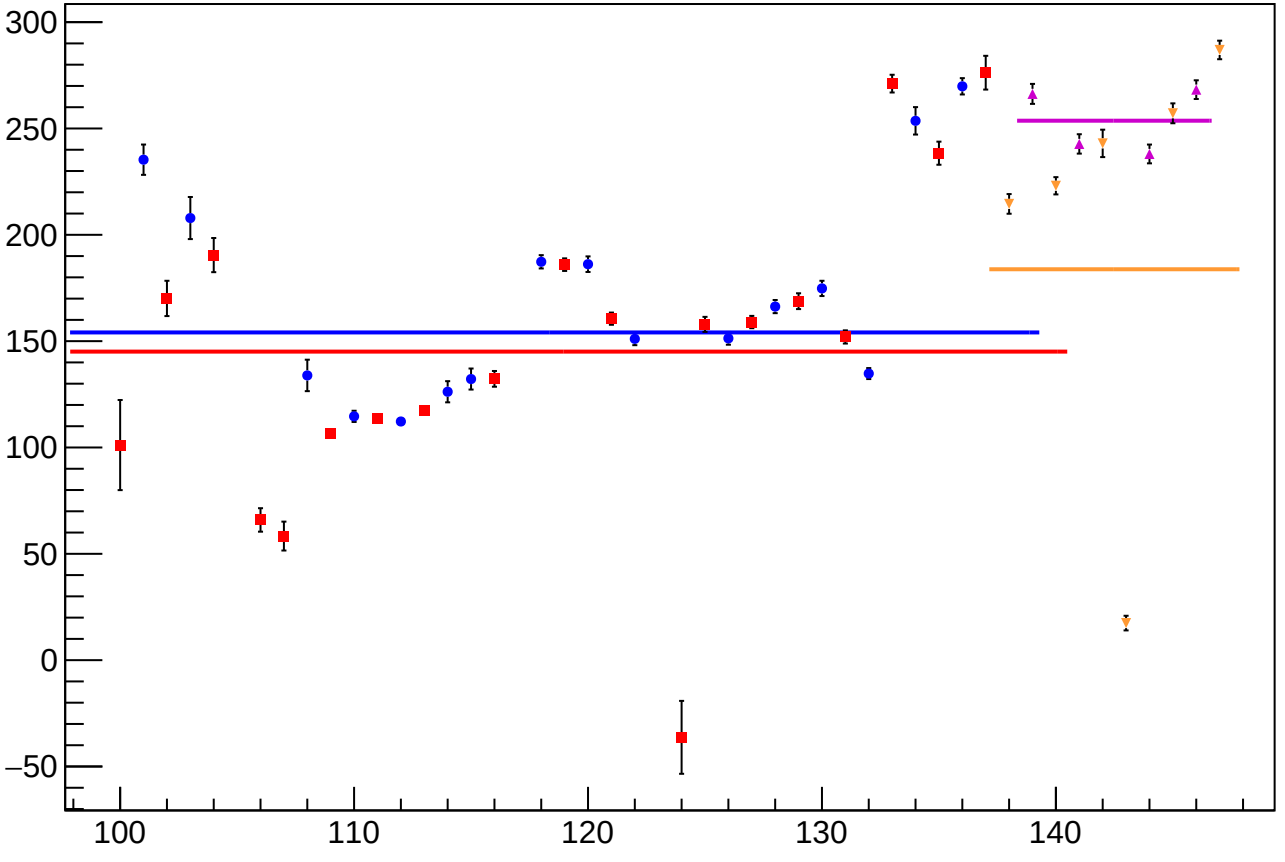
Left In: -171.728+/-0.113 χ^2/NDF:24762.7/3

+ sign -82.361+/-0.052 χ^2/NDF: 2125248.1/21

All: -83.259+/-0.037 χ^2/NDF: 3804973.2/44

- sign -84.262+/-0.054 χ^2/NDF: 1679082.0/22

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 183.804+/-1.784 χ^2/NDF:3359.4/5

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

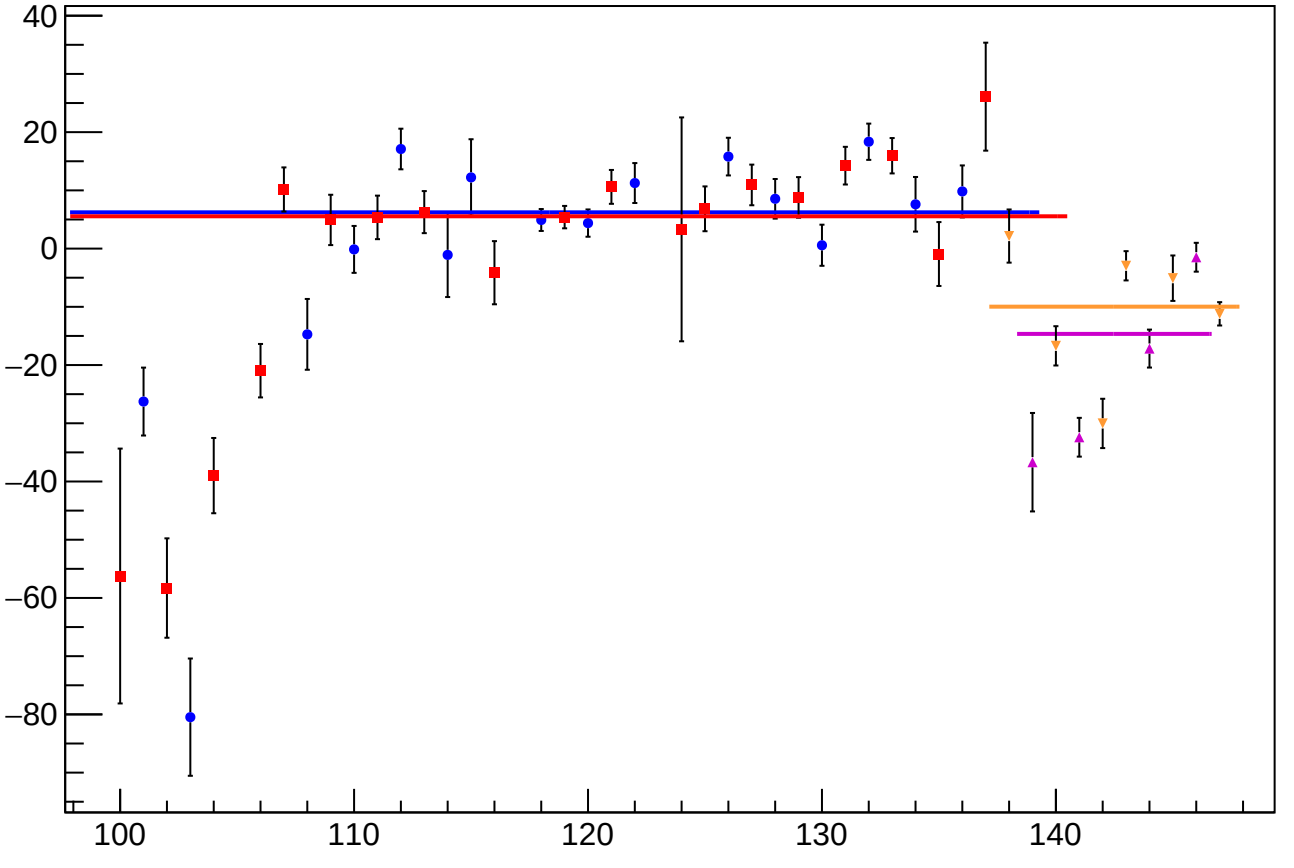
Left In: 253.655+/-2.256 χ^2/NDF:36.5/3

\+ sign 159.793+/-0.781 χ^2/NDF: 5864.6/21

All: 158.850+/-0.550 χ^2/NDF: 10905.1/44

\- sign 157.921+/-0.776 χ^2/NDF: 5037.7/22

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -9.973+/-1.227 χ^2/NDF:43.2/5

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

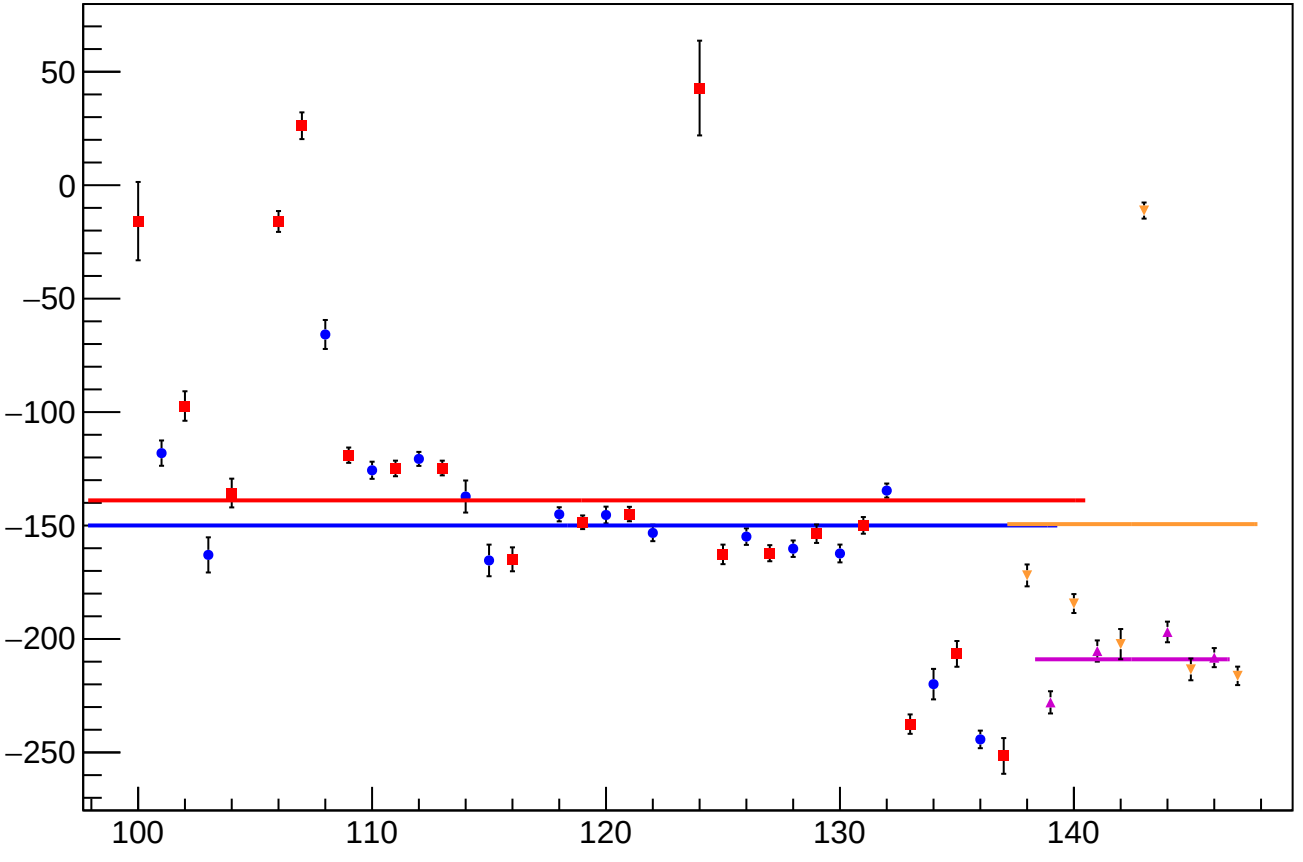
Left In: -14.651+/-1.664 χ^2/NDF:64.0/3

+ sign 0.642+/-0.720 χ^2/NDF: 319.6/21

All: 0.833+/-0.531 χ^2/NDF: 679.5/44

- sign 1.059+/-0.784 χ^2/NDF: 359.8/22

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -149.378+/-1.806 χ^2/NDF:2125.4/5

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

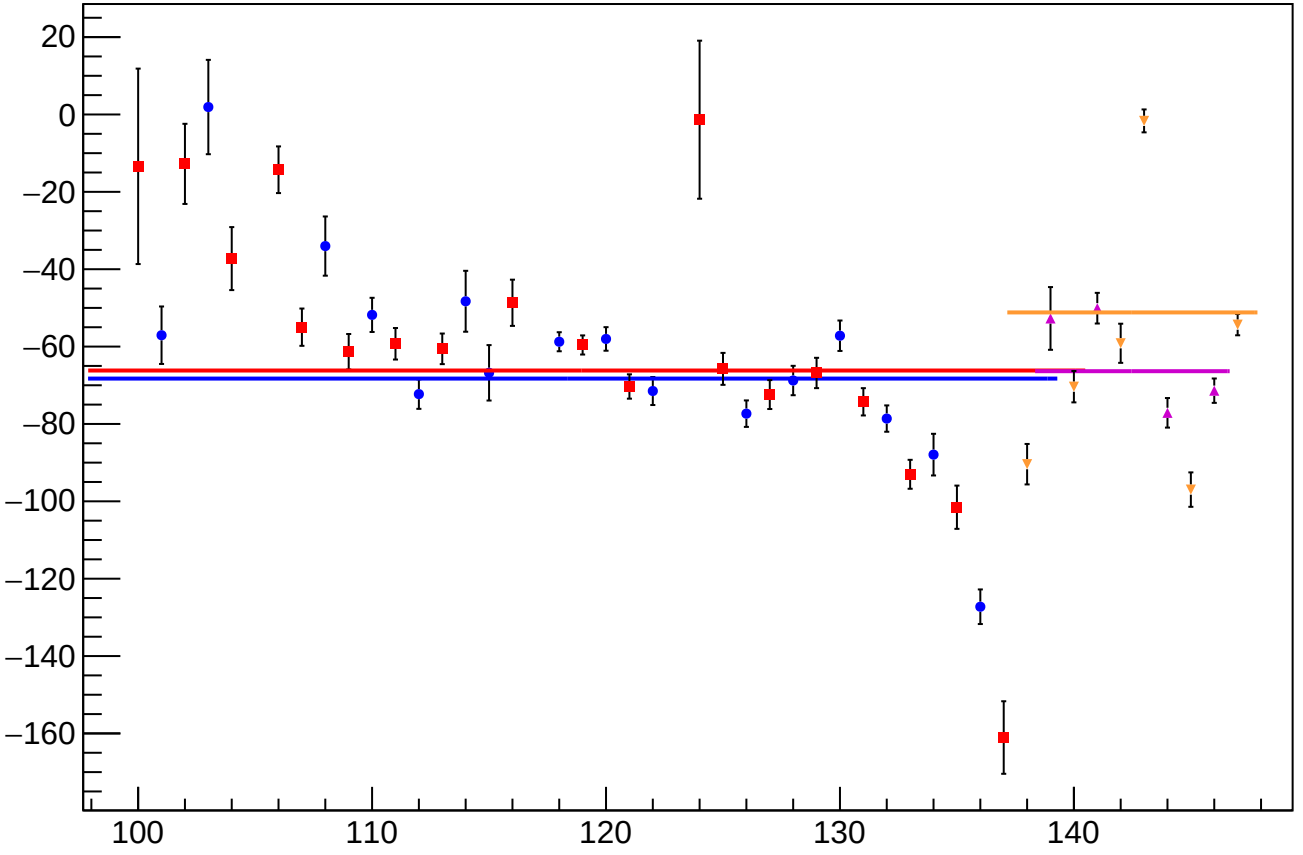
Left In: -208.955+/-2.280 χ^2/NDF:22.7/3

+ sign -149.826+/-0.892 χ^2/NDF: 3225.0/21

All: -149.953+/-0.637 χ^2/NDF: 6791.5/44

- sign -150.085+/-0.911 χ^2/NDF: 3566.5/22

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -51.170+/-1.519 χ^2/NDF:467.8/5

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

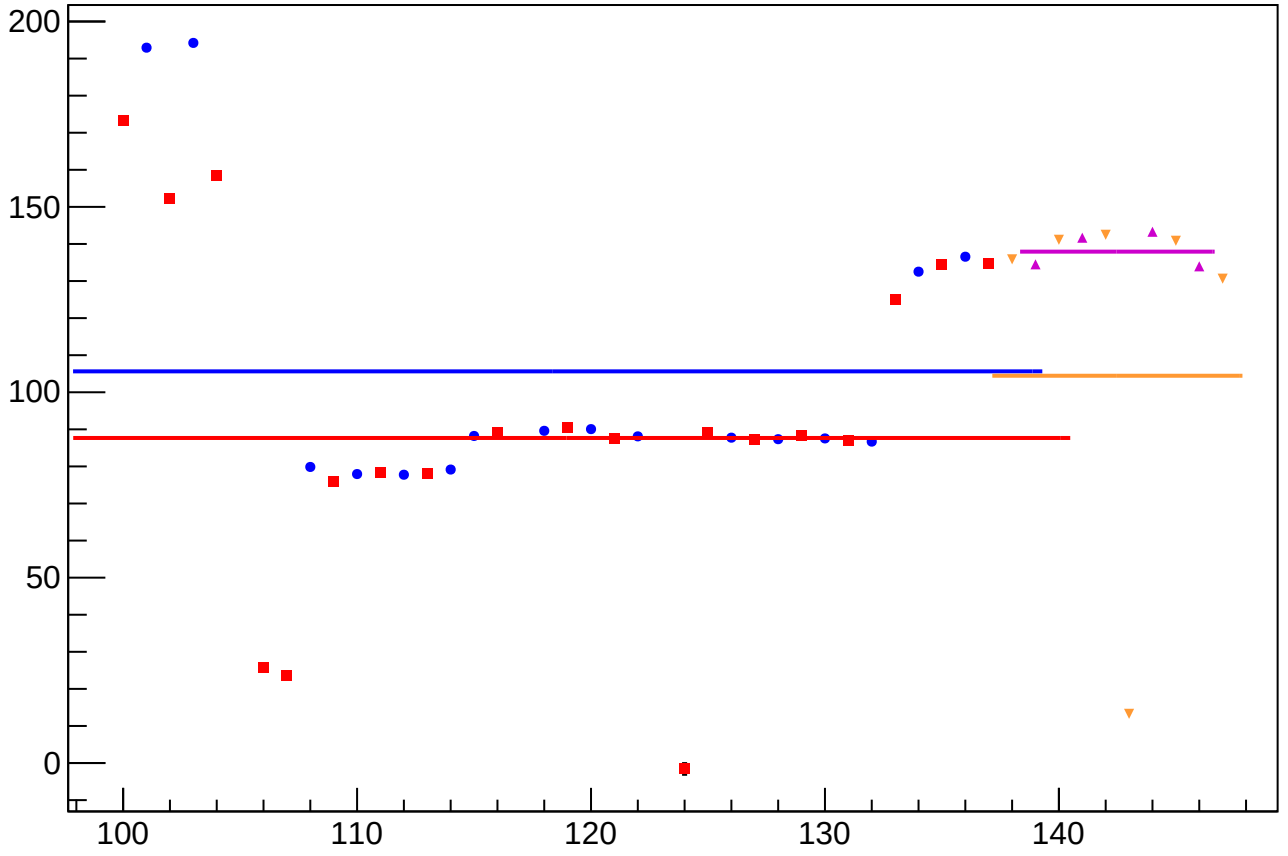
Left In: -66.361+/-2.007 χ^2/NDF:30.2/3

+ sign -62.864+/-0.854 χ^2/NDF: 869.9/21

All: -64.433+/-0.624 χ^2/NDF: 1265.6/44

- sign -66.222+/-0.912 χ^2/NDF: 388.6/22

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 104.457+/-0.076 χ^2/NDF:526621.0/5

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

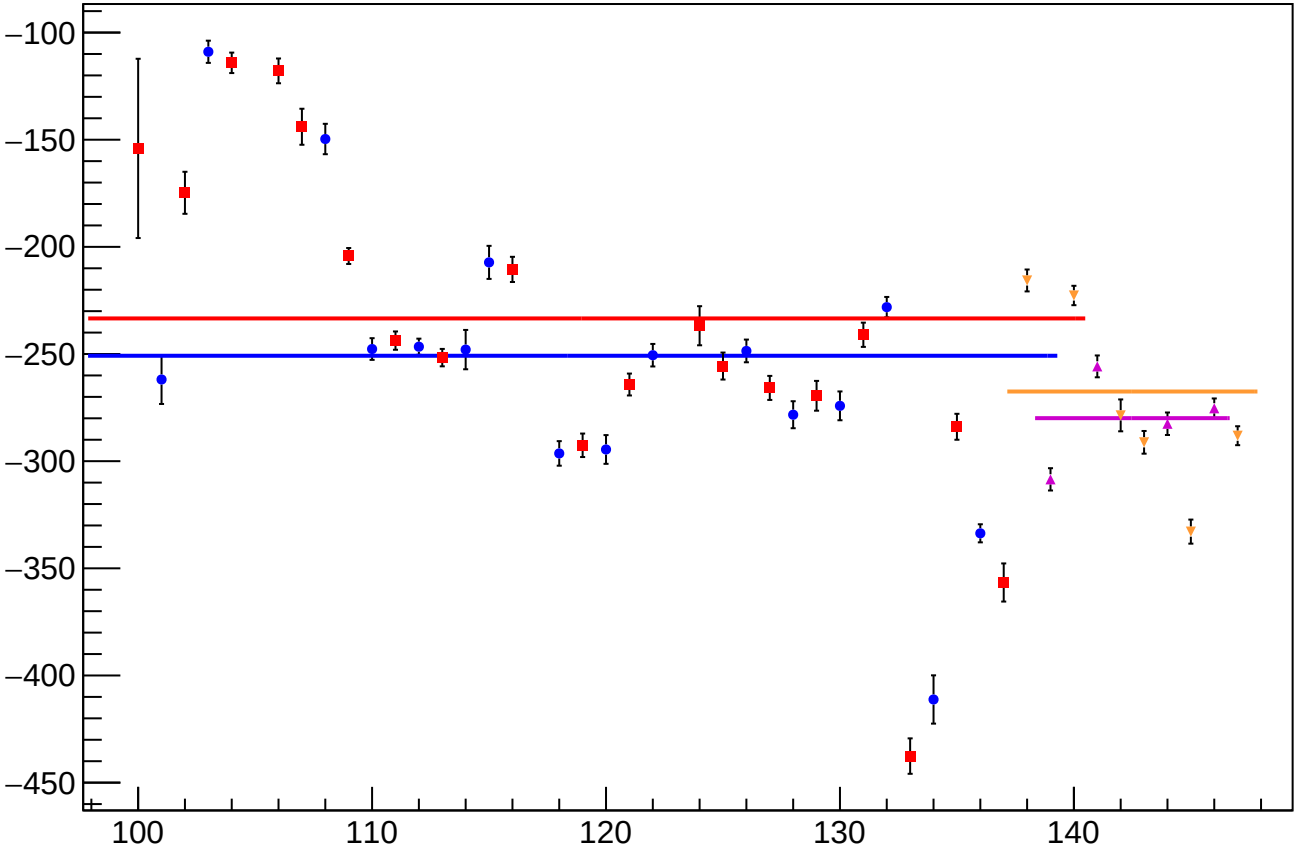
Left In: 137.928+/-0.093 χ^2/NDF:1941.3/3

+ sign 105.089+/-0.052 χ^2/NDF: 766364.9/21

All: 104.700+/-0.037 χ^2/NDF: 1336669.2/44

- sign 104.281+/-0.054 χ^2/NDF: 570187.0/22

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -267.497+/-2.113 χ^2/NDF:380.7/5

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

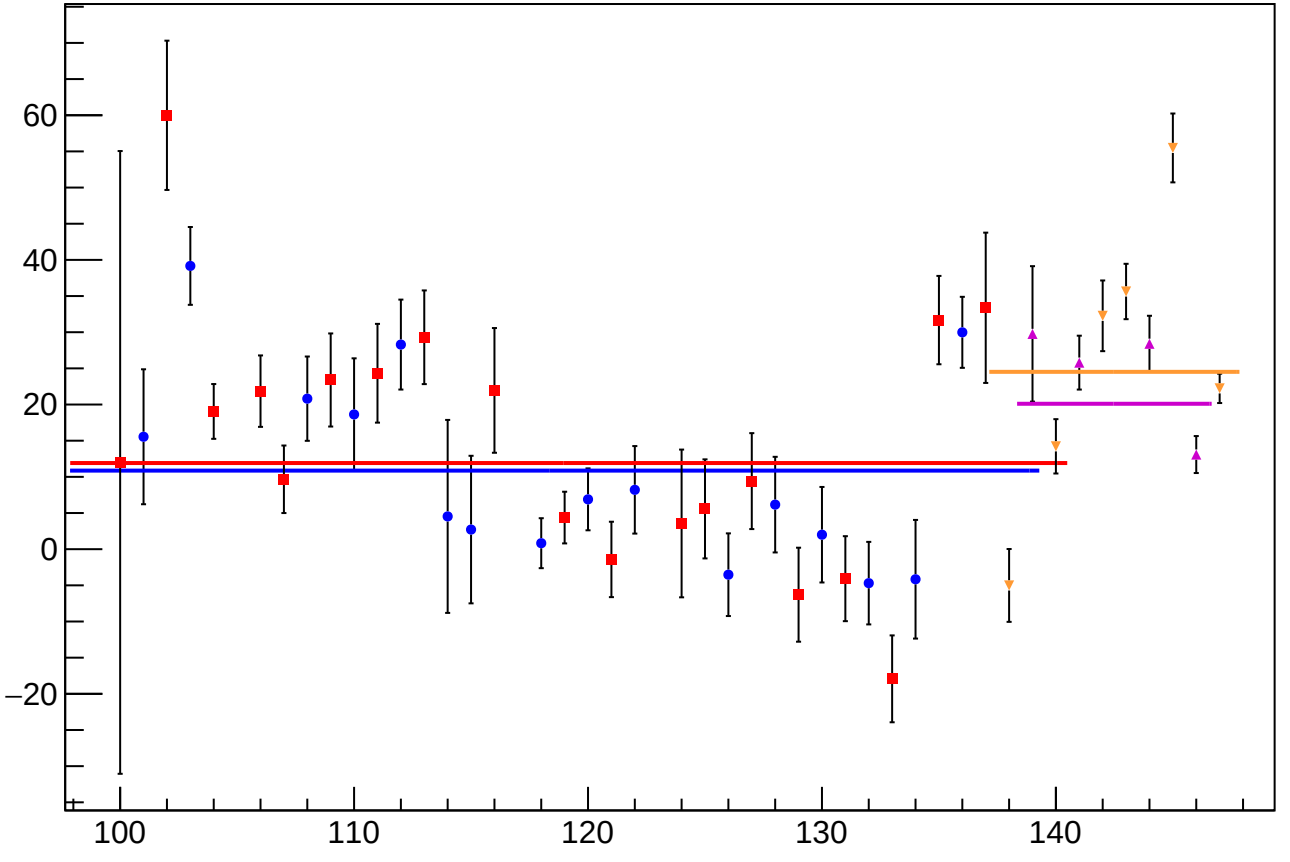
Left In: -279.929+/-2.506 χ^2/NDF:53.8/3

+ sign -256.094+/-1.189 χ^2/NDF: 2159.0/21

All: -249.815+/-0.836 χ^2/NDF: 4915.3/44

- sign -243.660+/-1.177 χ^2/NDF: 2701.0/22

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 24.521+/-1.404 χ^2/NDF:96.4/5

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

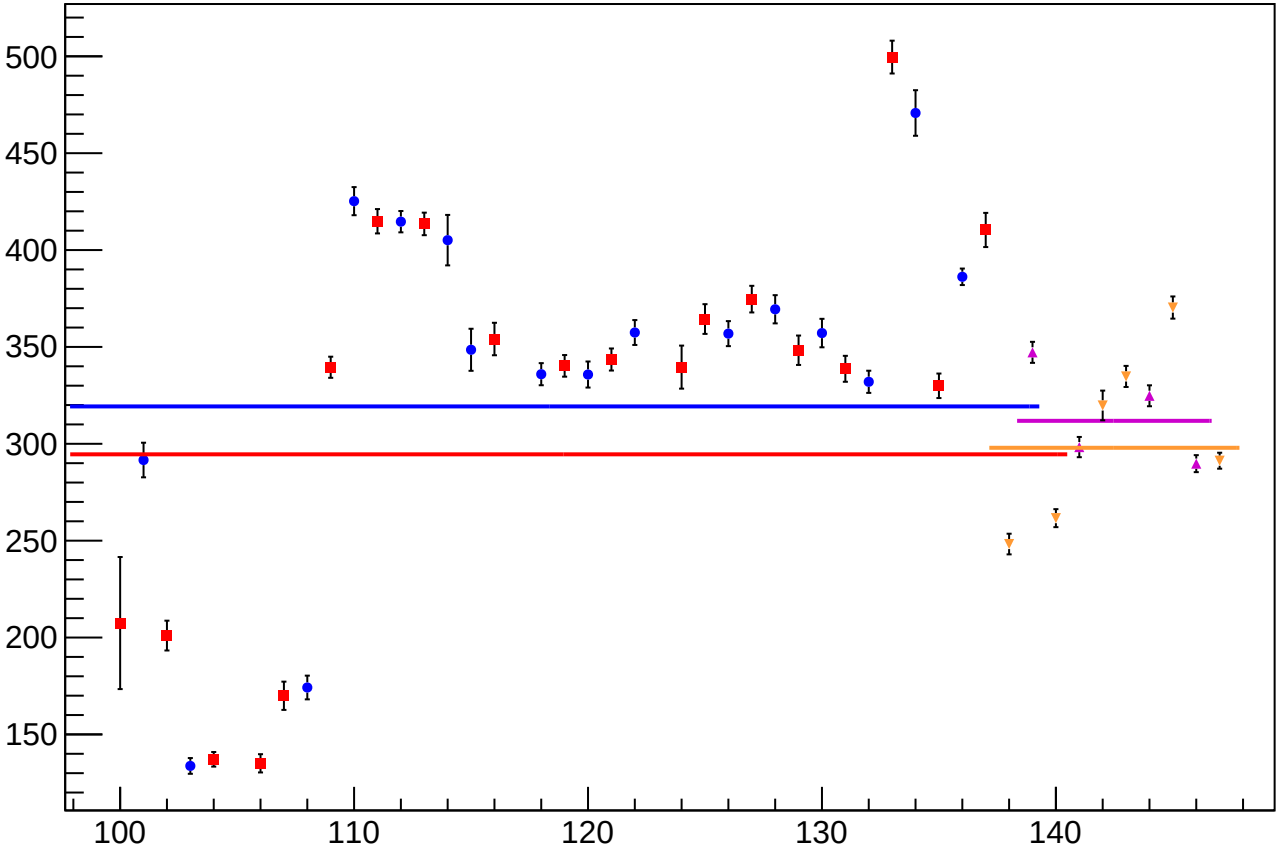
Left In: 20.106+/-1.815 χ^2/NDF:15.5/3

+ sign 18.008+/-1.016 χ^2/NDF: 226.2/21

All: 16.557+/-0.744 χ^2/NDF: 371.0/44

- sign 14.879+/-1.092 χ^2/NDF: 140.5/22

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 297.943+/-2.124 χ^2/NDF:364.2/5

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

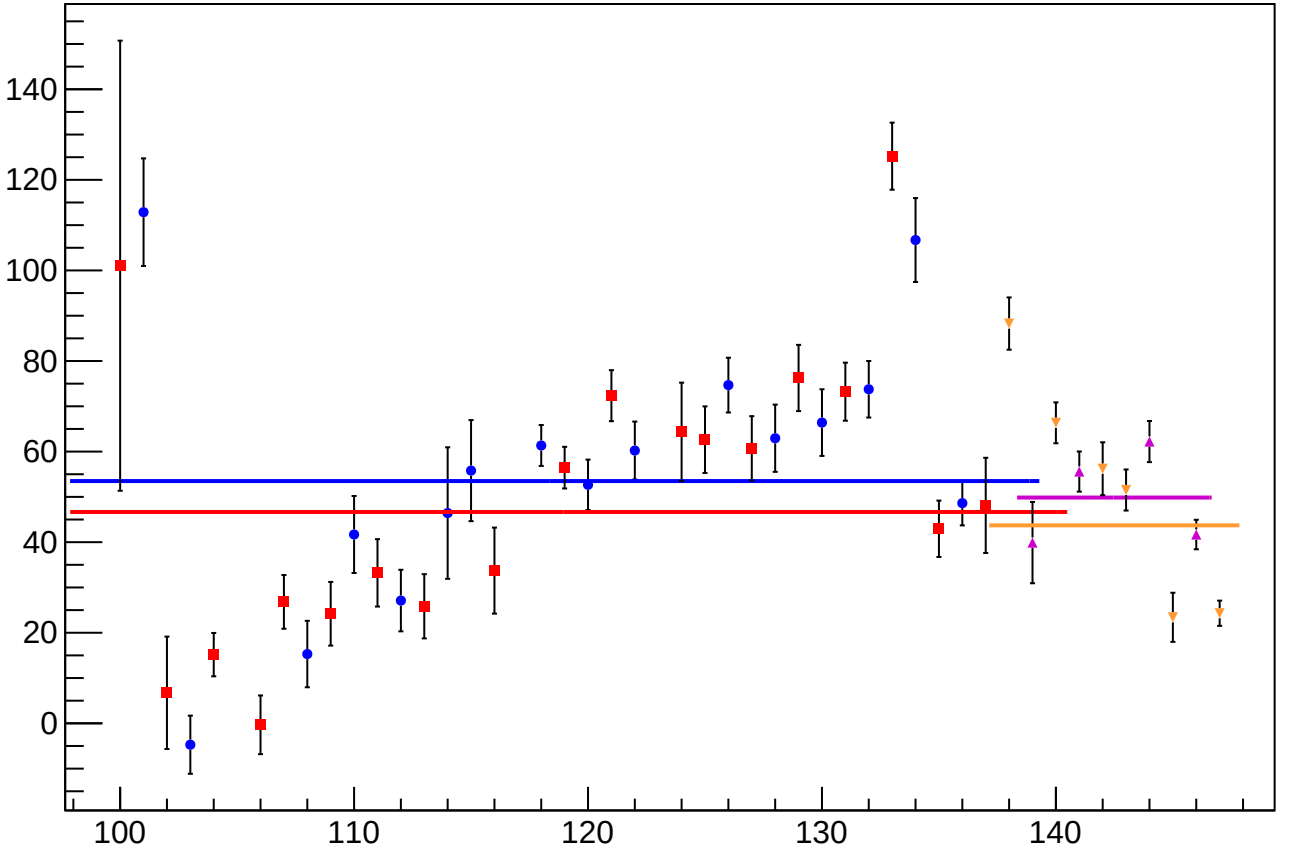
Left In: 311.855+/-2.526 χ^2/NDF:80.3/3

+ sign 311.650+/-1.271 χ^2/NDF: 4222.0/21

All: 305.356+/-0.901 χ^2/NDF: 9889.6/44

- sign 298.992+/-1.278 χ^2/NDF: 5618.3/22

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 43.716+/-1.768 χ^2/NDF:154.8/5

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

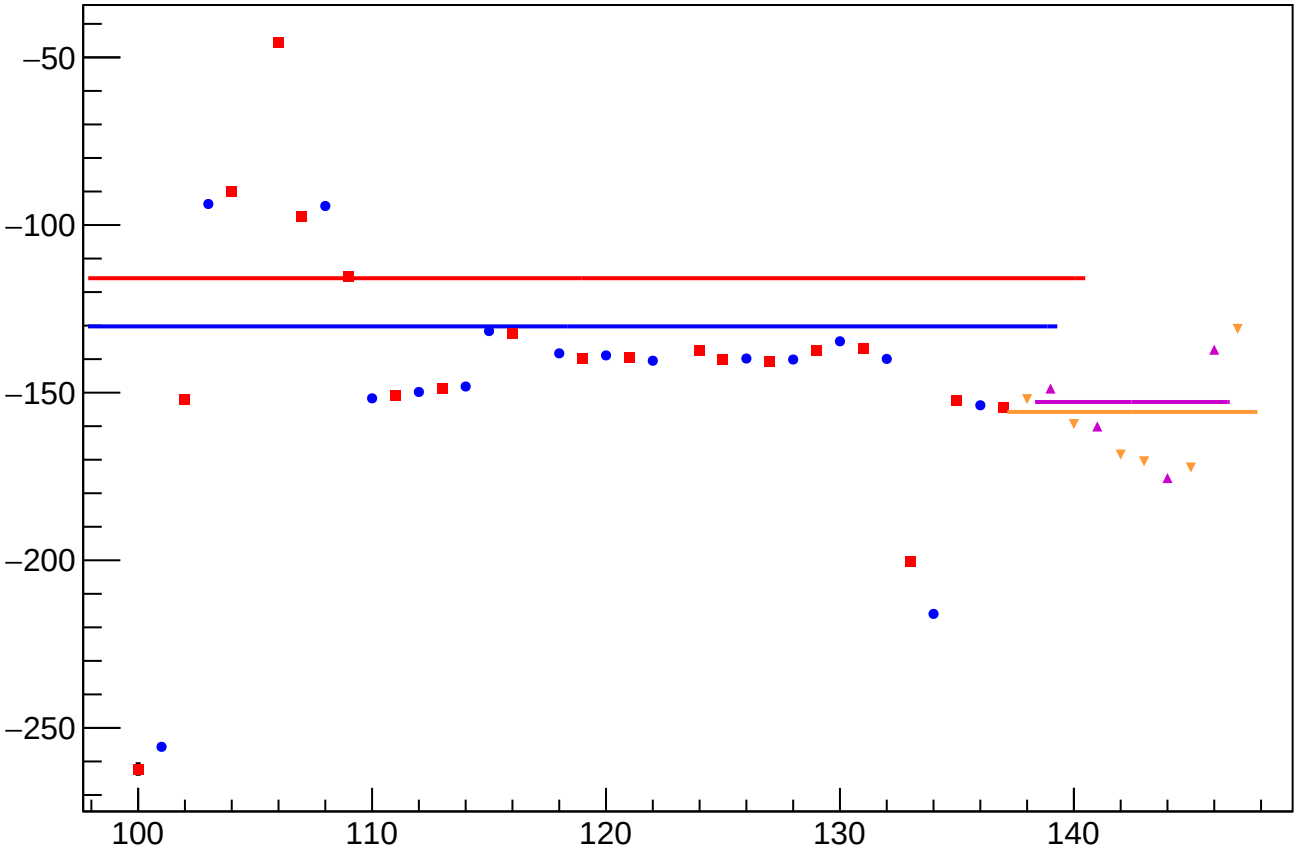
Left In: 49.851+/-2.203 χ^2/NDF:16.6/3

+ sign 48.800+/-1.225 χ^2/NDF: 387.9/21

All: 48.307+/-0.889 χ^2/NDF: 731.9/44

- sign 47.760+/-1.291 χ^2/NDF: 343.6/22

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -155.748+/-0.090 χ^2/NDF:30103.6/5

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

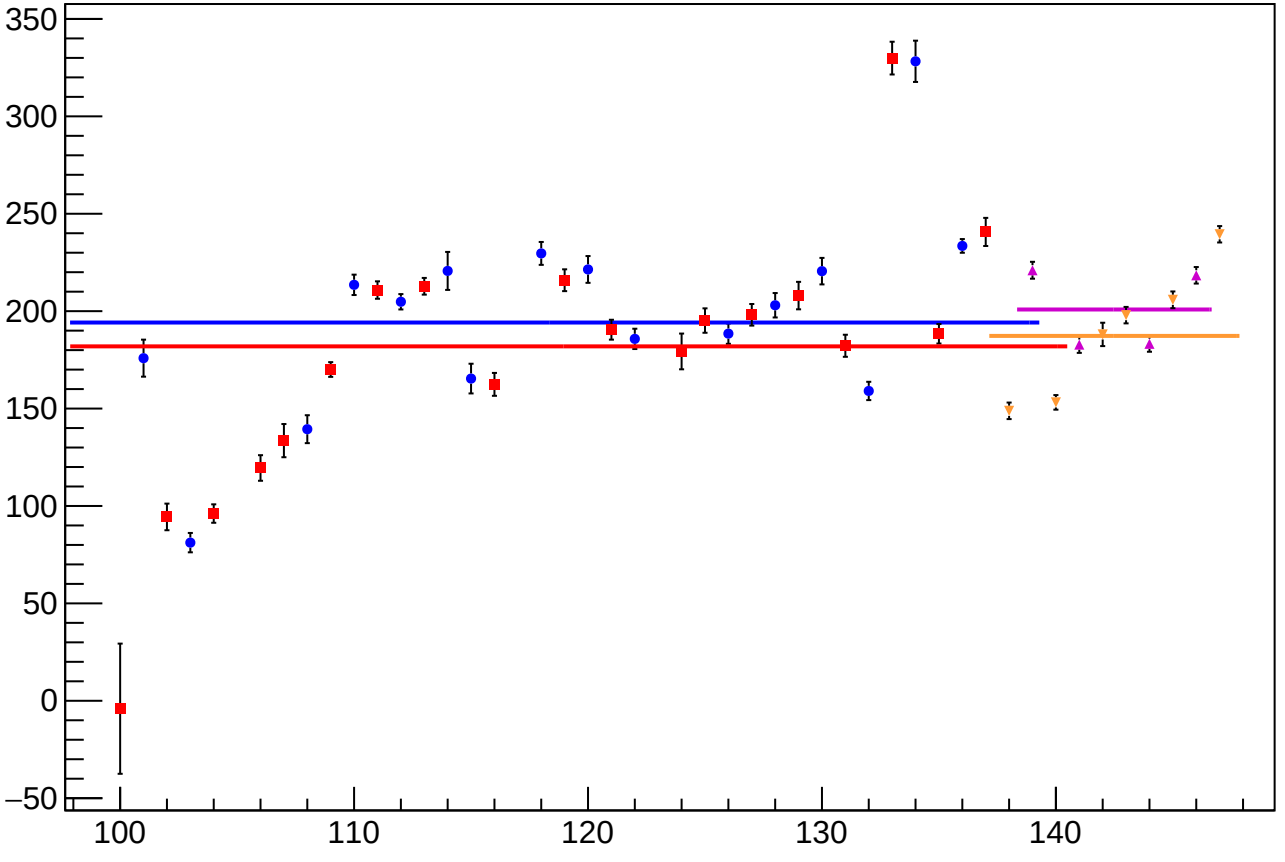
Left In: -152.781+/-0.103 χ^2/NDF:17212.3/3

+ sign -143.162+/-0.064 χ^2/NDF: 244063.8/21

All: -137.226+/-0.046 χ^2/NDF: 560540.7/44

- sign -130.911+/-0.066 χ^2/NDF: 298703.6/22

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 187.297+/-1.764 χ^2/NDF:343.7/5

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

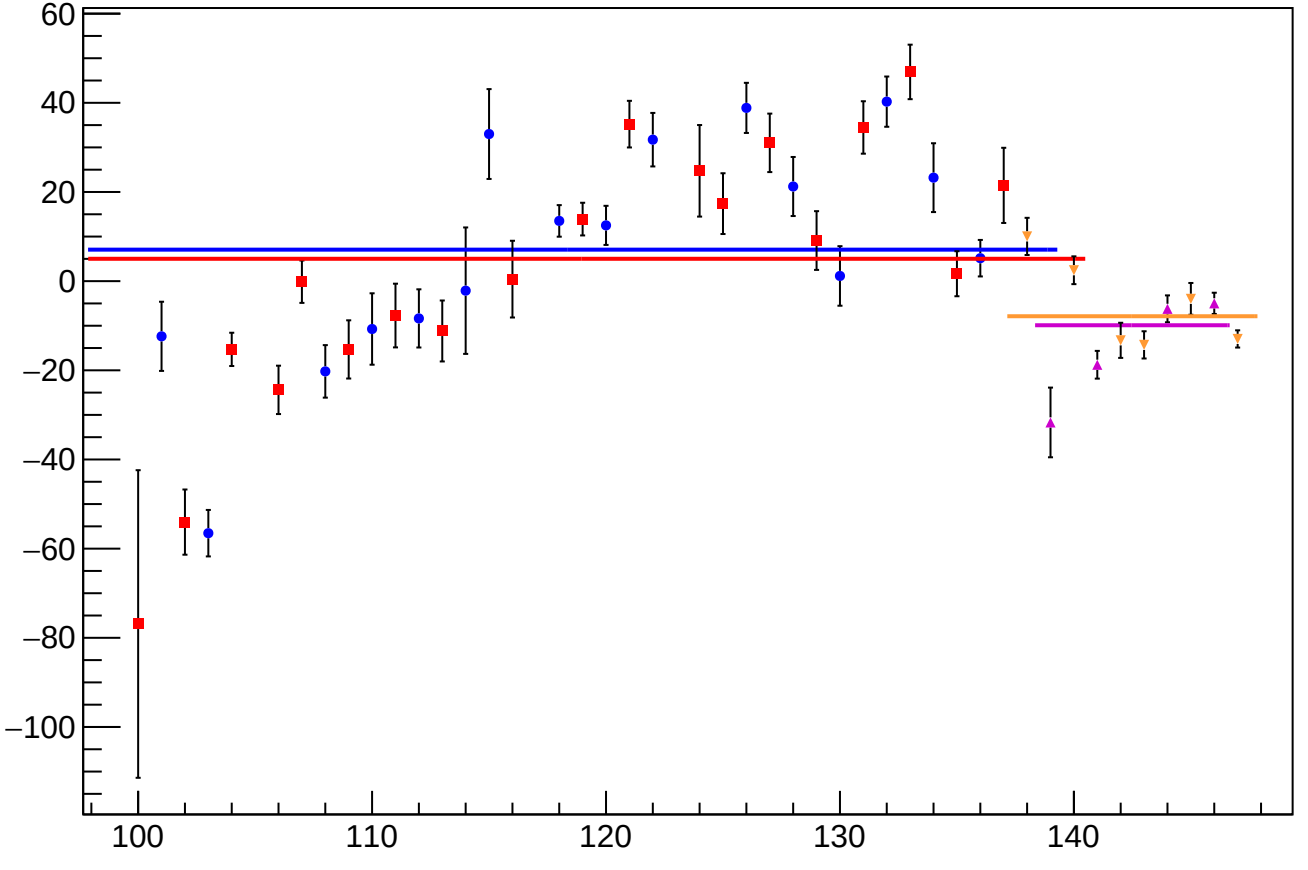
Left In: 200.855+/-2.113 χ^2/NDF:75.2/3

\+ sign 191.495+/-1.100 χ^2/NDF: 1388.1/21

All: 189.413+/-0.785 χ^2/NDF: 2733.1/44

\- sign 187.250+/-1.121 χ^2/NDF: 1337.7/22

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.871+/-1.214 χ^2/NDF:43.8/5

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

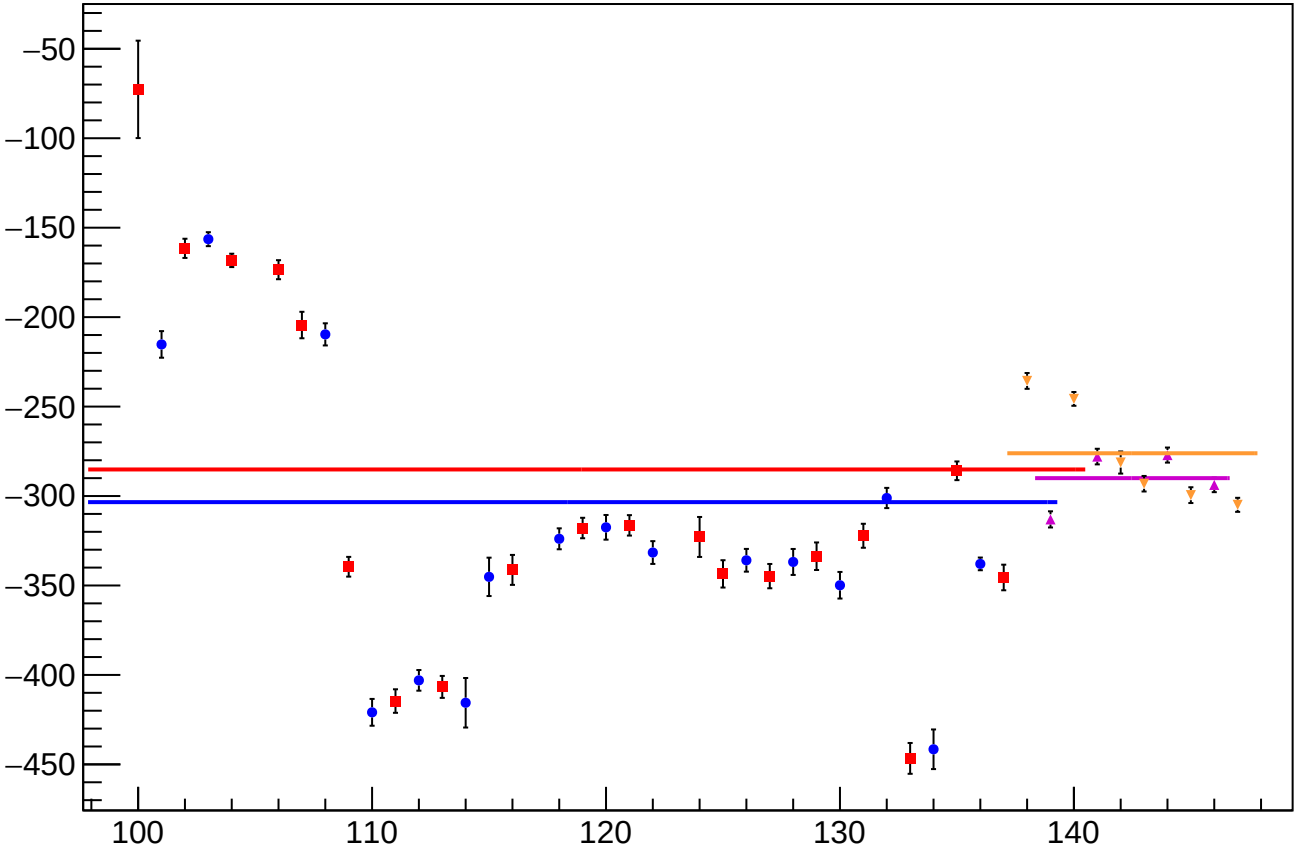
Left In: -9.893+/-1.570 χ^2/NDF:21.6/3

+ sign -1.678+/-0.929 χ^2/NDF: 399.2/21

All: -1.530+/-0.689 χ^2/NDF: 761.1/44

- sign -1.349+/-1.026 χ^2/NDF: 361.9/22

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.092+/-1.785 χ^2/NDF:243.9/5

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

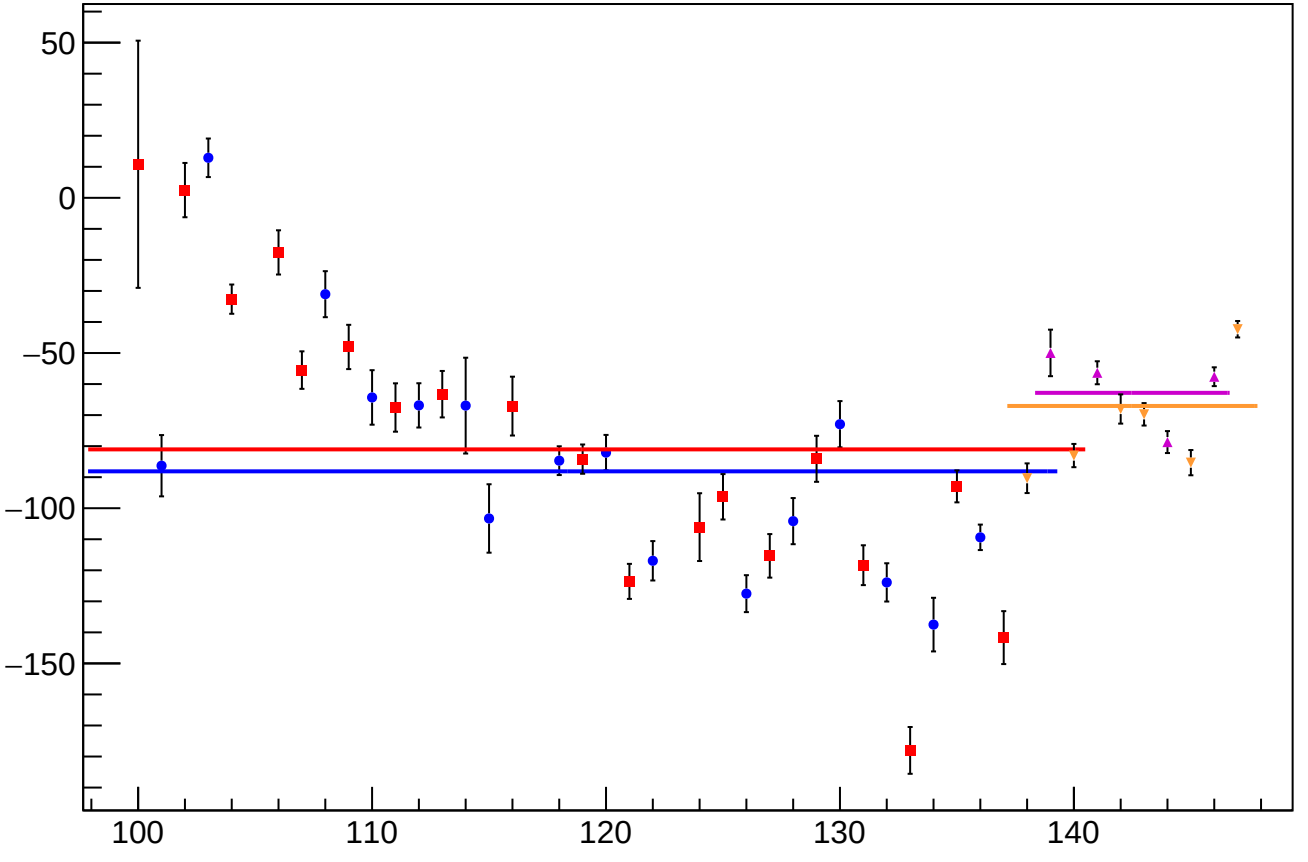
Left In: -289.997+/-2.139 χ^2/NDF:43.9/3

+ sign -291.838+/-1.162 χ^2/NDF: 3164.4/21

All: -289.342+/-0.835 χ^2/NDF: 6976.2/44

- sign -286.676+/-1.201 χ^2/NDF: 3802.3/22

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -67.056+/-1.509 χ^2/NDF:149.5/5

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

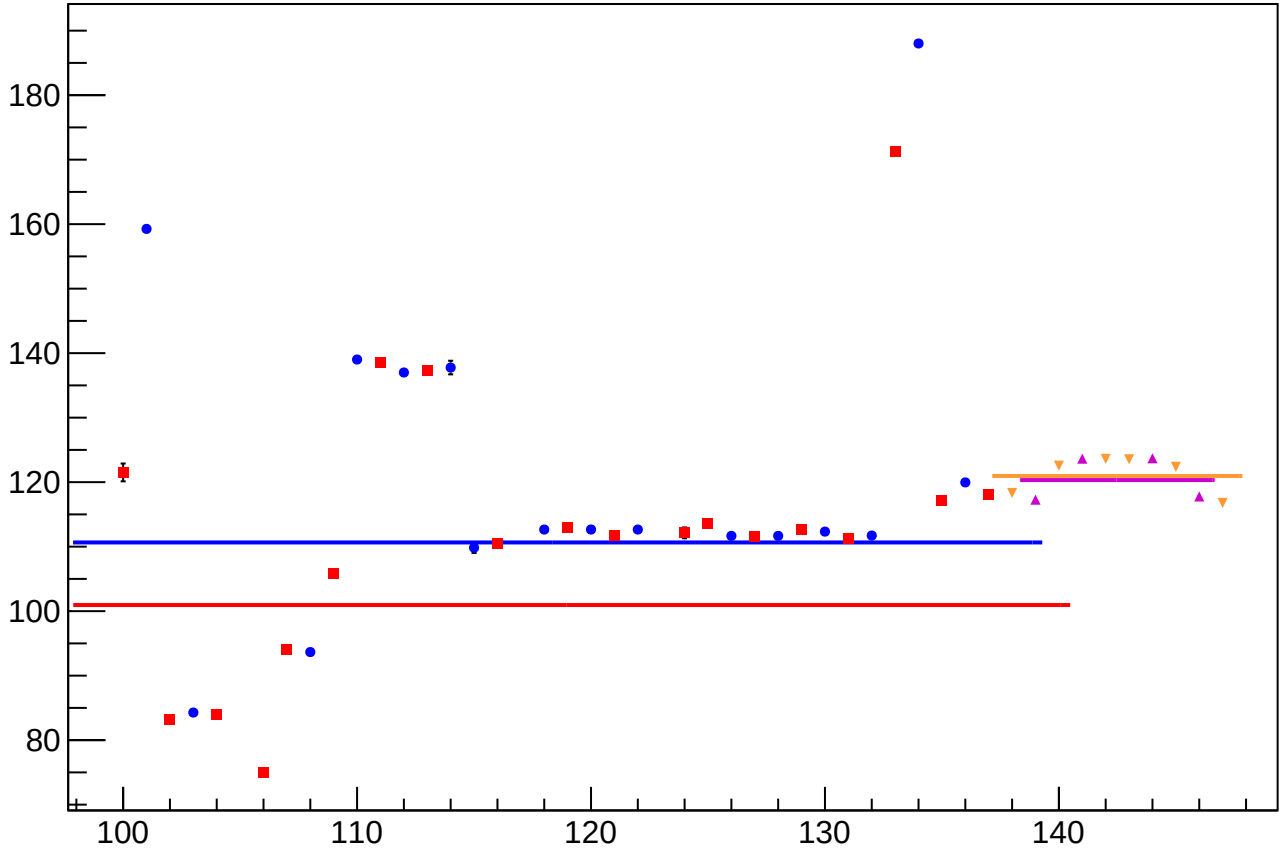
Left In: -62.830+/-1.891 χ^2/NDF:29.0/3

+ sign -76.618+/-1.115 χ^2/NDF: 749.8/21

All: -75.238+/-0.819 χ^2/NDF: 1514.7/44

- sign -73.621+/-1.207 χ^2/NDF: 761.5/22

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.959+/-0.075 χ^2/NDF:1257.4/5

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

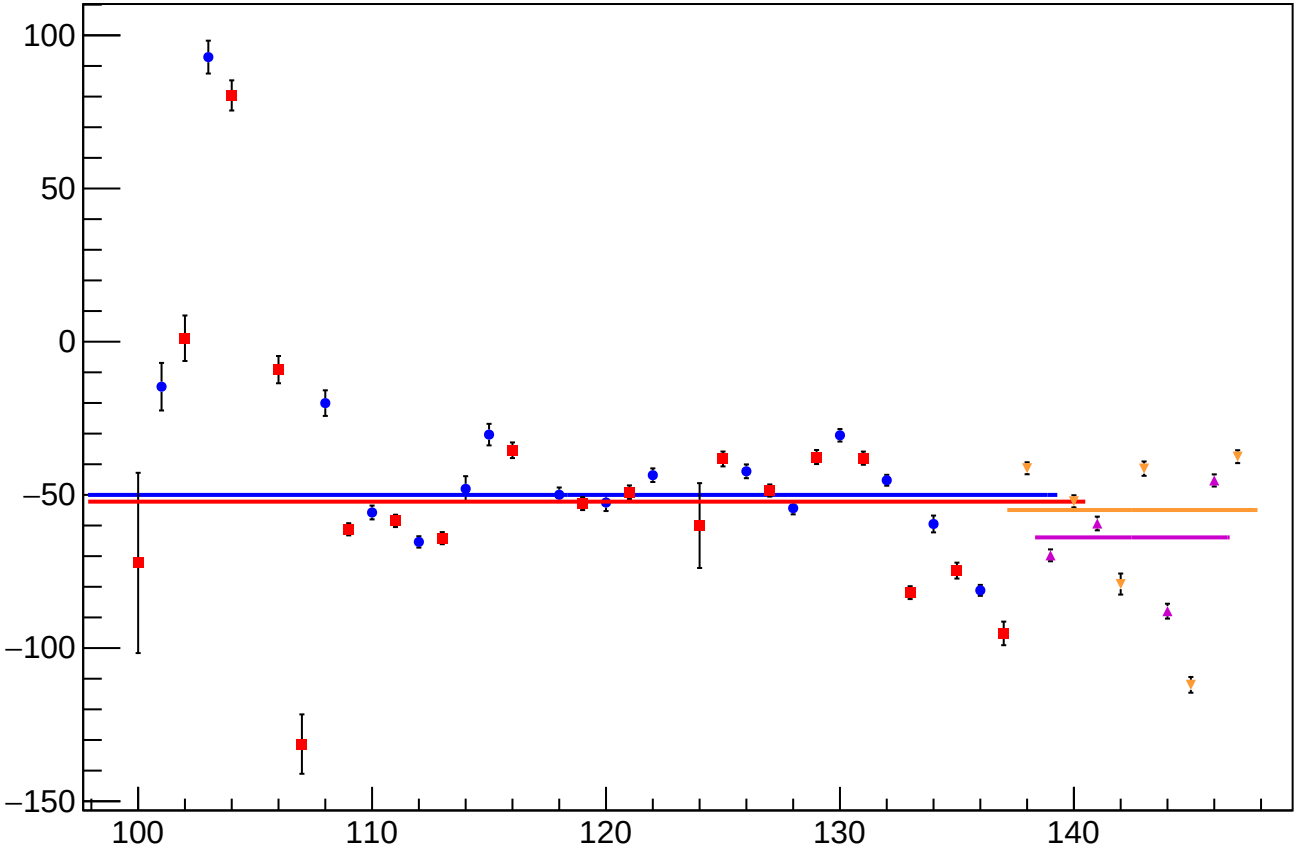
Left In: 120.320+/-0.087 χ^2/NDF:1232.1/3

+ sign 116.486+/-0.057 χ^2/NDF: 92947.0/21

All: 113.351+/-0.041 χ^2/NDF: 189061.4/44

- sign 109.885+/-0.059 χ^2/NDF: 89637.2/22

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -54.942+/-0.929 χ^2/NDF:693.7/5

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

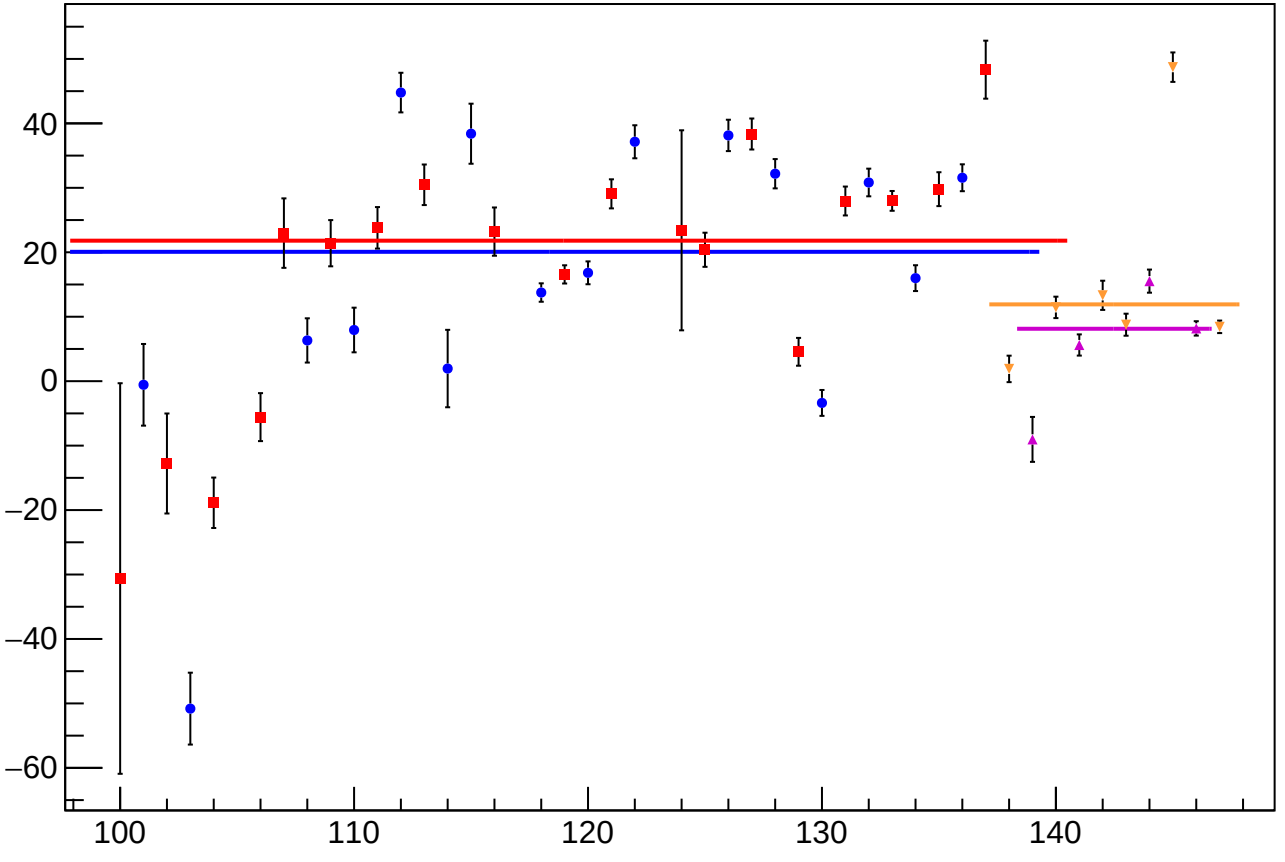
Left In: -63.879+/-1.061 χ^2/NDF:198.9/3

+ sign -51.493+/-0.510 χ^2/NDF: 2040.8/21

All: -53.227+/-0.366 χ^2/NDF: 3925.0/44

- sign -55.069+/-0.526 χ^2/NDF: 1860.4/22

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.916+/-0.647 χ^2/NDF:299.9/5

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

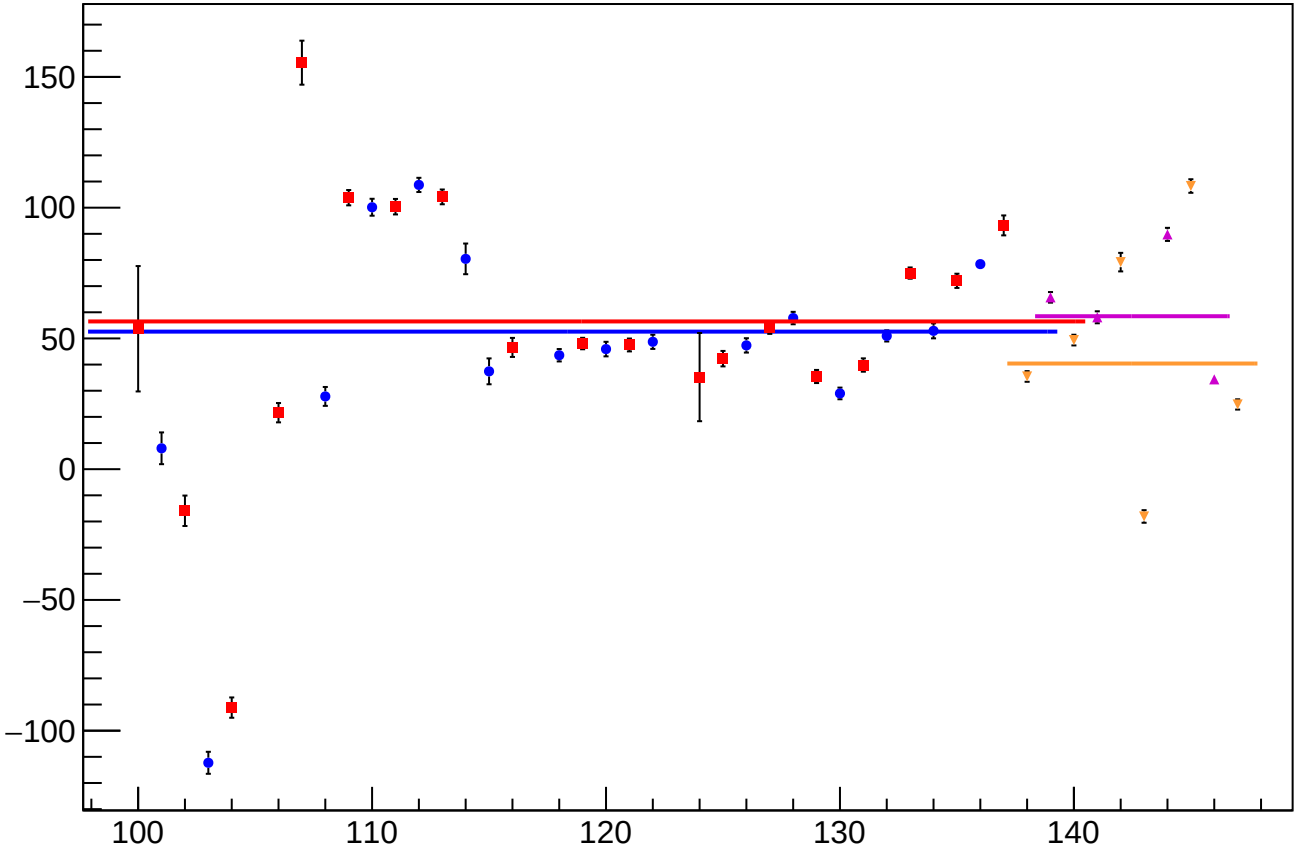
Left In: 8.132+/-0.799 χ^2/NDF:43.5/3

+ sign 16.220+/-0.445 χ^2/NDF: 1020.0/21

All: 16.412+/-0.330 χ^2/NDF: 1642.4/44

- sign 16.645+/-0.491 χ^2/NDF: 622.0/22

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 40.401+/-0.937 χ^2/NDF:1480.5/5

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

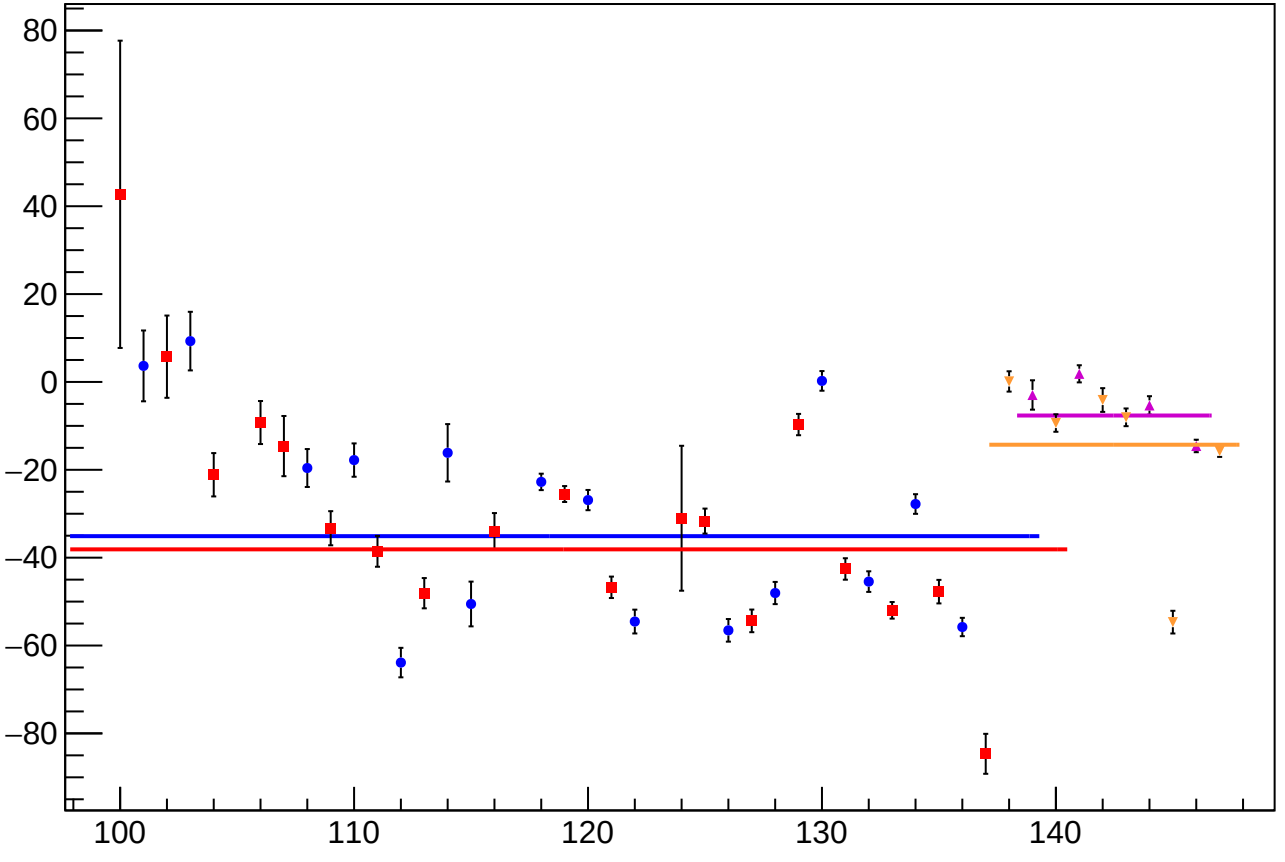
Left In: 58.493+/-1.072 χ^2/NDF:330.2/3

\+ sign 48.265+/-0.559 χ^2/NDF: 4249.2/21

All: 52.449+/-0.406 χ^2/NDF: 7665.7/44

\- sign 57.101+/-0.589 χ^2/NDF: 3298.2/22

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.291+/-0.806 χ^2/NDF:314.3/5

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

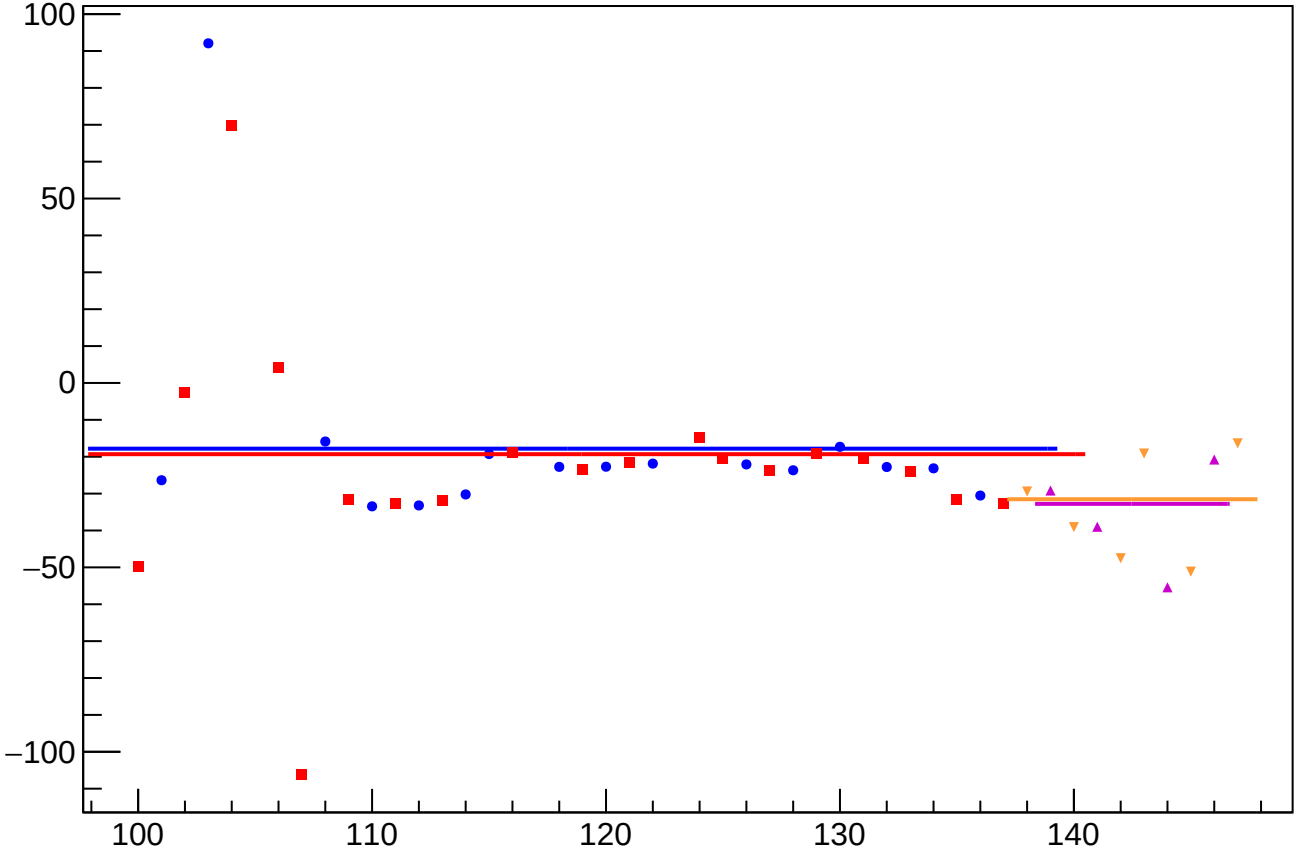
Left In: -7.642+/-0.966 χ^2/NDF:50.5/3

+ sign -26.156+/-0.529 χ^2/NDF: 1467.5/21

All: -26.700+/-0.389 χ^2/NDF: 2678.7/44

- sign -27.341+/-0.574 χ^2/NDF: 1208.9/22

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.522+/-0.039 χ^2/NDF:102143.9/5

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

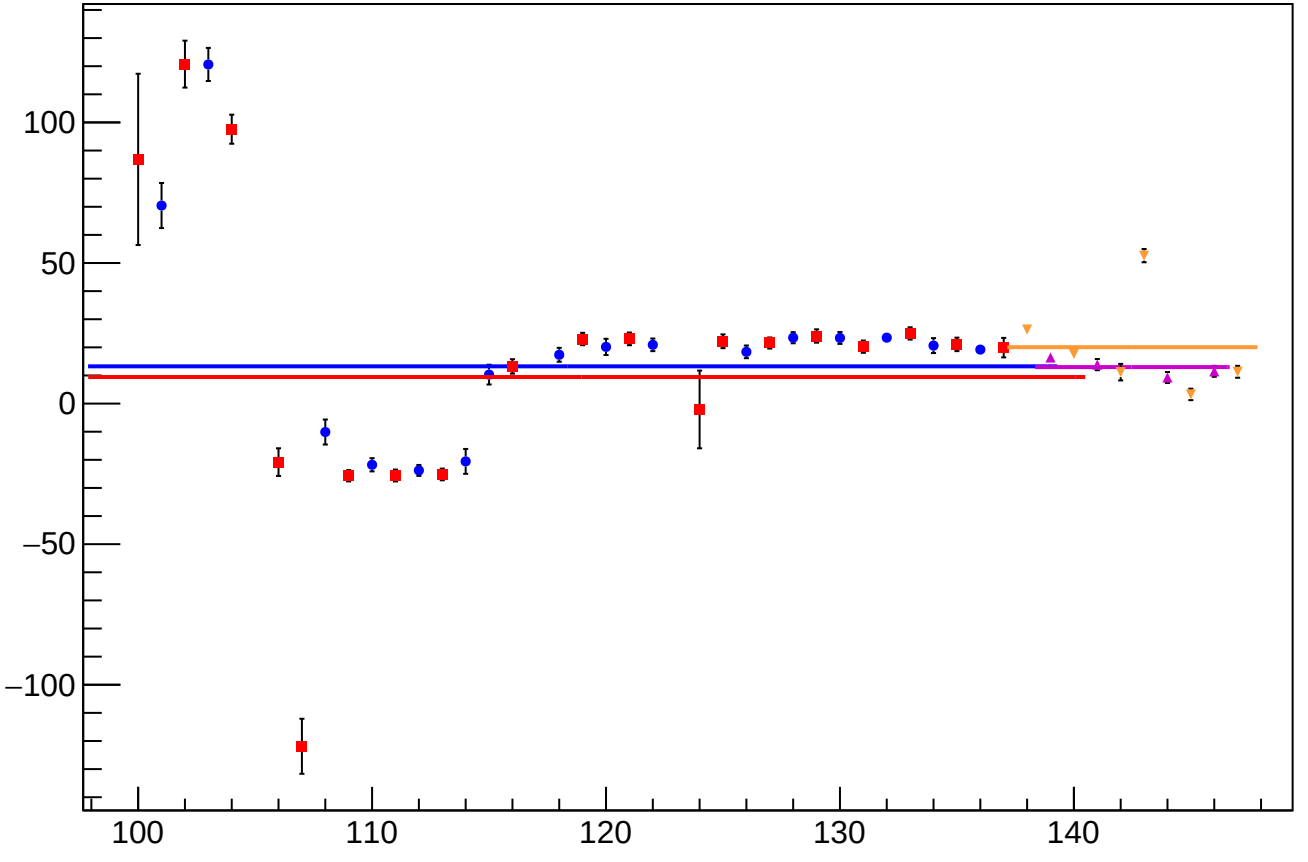
Left In: -32.779+/-0.043 χ^2/NDF:69075.5/3

+ sign -25.336+/-0.029 χ^2/NDF: 583383.0/21

All: -25.860+/-0.021 χ^2/NDF: 1043247.4/44

- sign -26.479+/-0.032 χ^2/NDF: 459153.0/22

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.067+/-0.845 χ^2/NDF:298.8/5

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

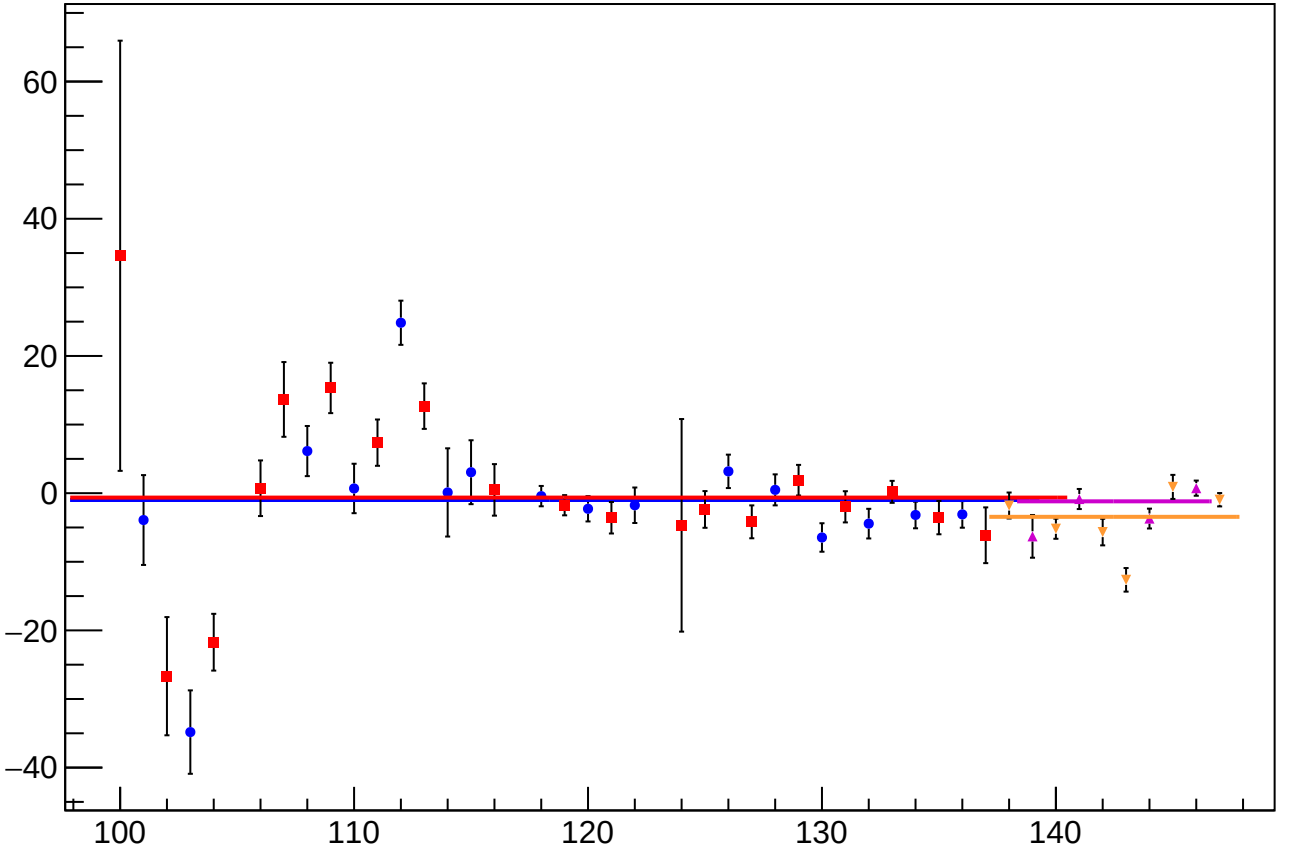
Left In: 12.985+/-0.948 χ^2/NDF:8.3/3

+ sign 15.608+/-0.497 χ^2/NDF: 1523.8/21

All: 13.148+/-0.358 χ^2/NDF: 3429.4/44

- sign 10.498+/-0.516 χ^2/NDF: 1854.7/22

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.448+/-0.605 χ^2/NDF:44.7/5

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

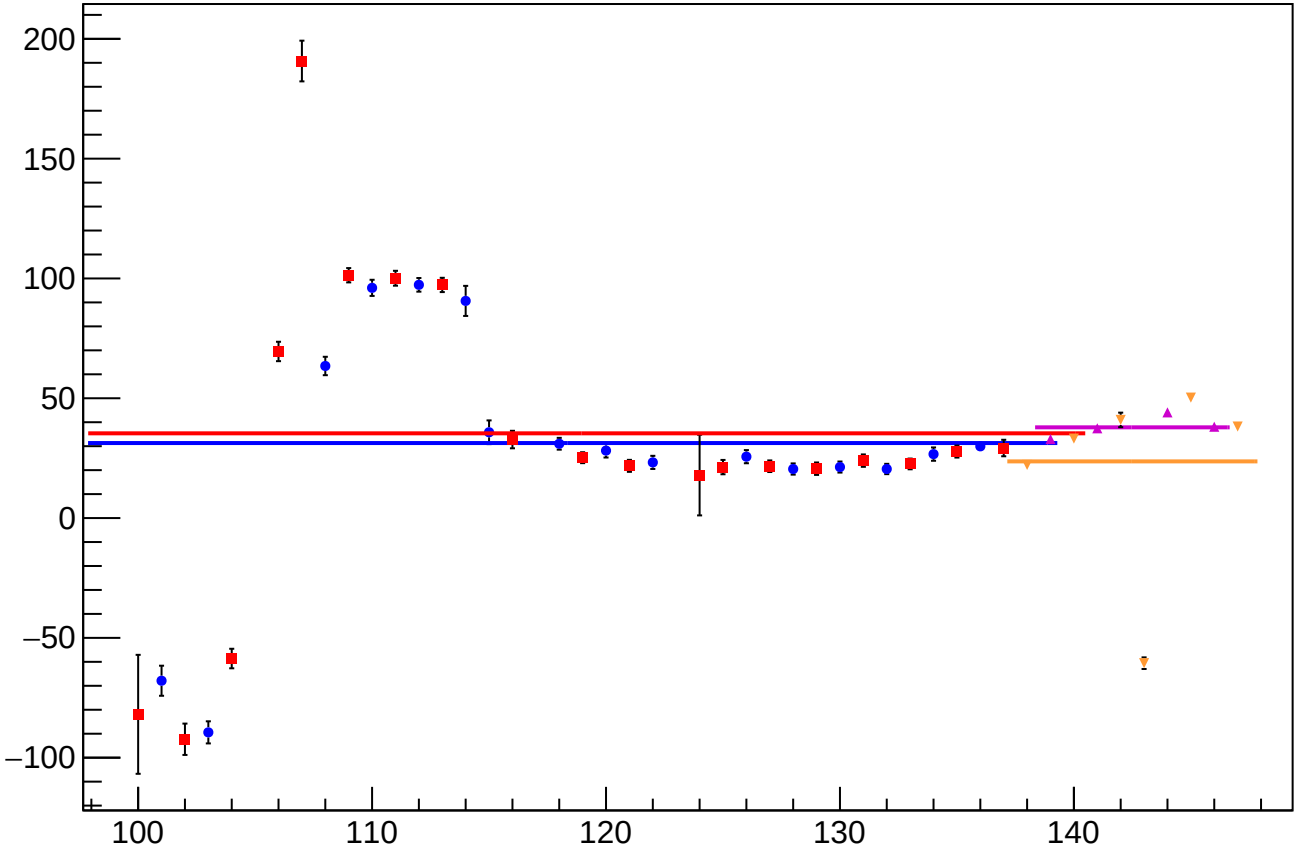
Left In: -1.190+/-0.732 χ^2/NDF:8.8/3

+ sign -2.248+/-0.433 χ^2/NDF: 169.1/21

All: -1.634+/-0.321 χ^2/NDF: 276.9/44

- sign -0.879+/-0.480 χ^2/NDF: 103.3/22

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 23.654+/-0.856 χ^2/NDF:1484.1/5

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

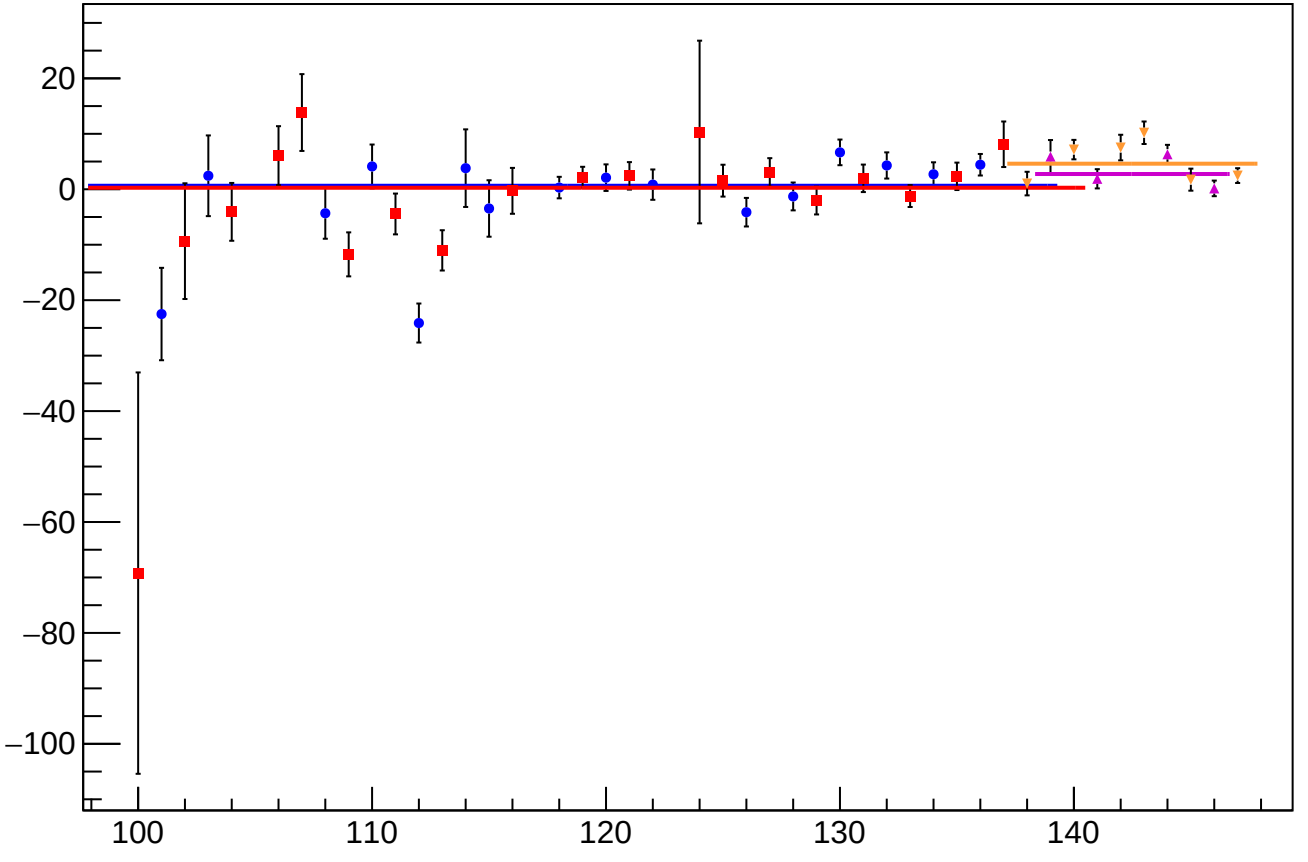
Left In: 37.864+/-0.961 χ^2/NDF:17.2/3

\+ sign 28.242+/-0.542 χ^2/NDF: 3617.9/21

All: 32.016+/-0.394 χ^2/NDF: 6640.1/44

\- sign 36.260+/-0.575 χ^2/NDF: 2919.2/22

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.612+/-0.747 χ^2/NDF:18.8/5

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

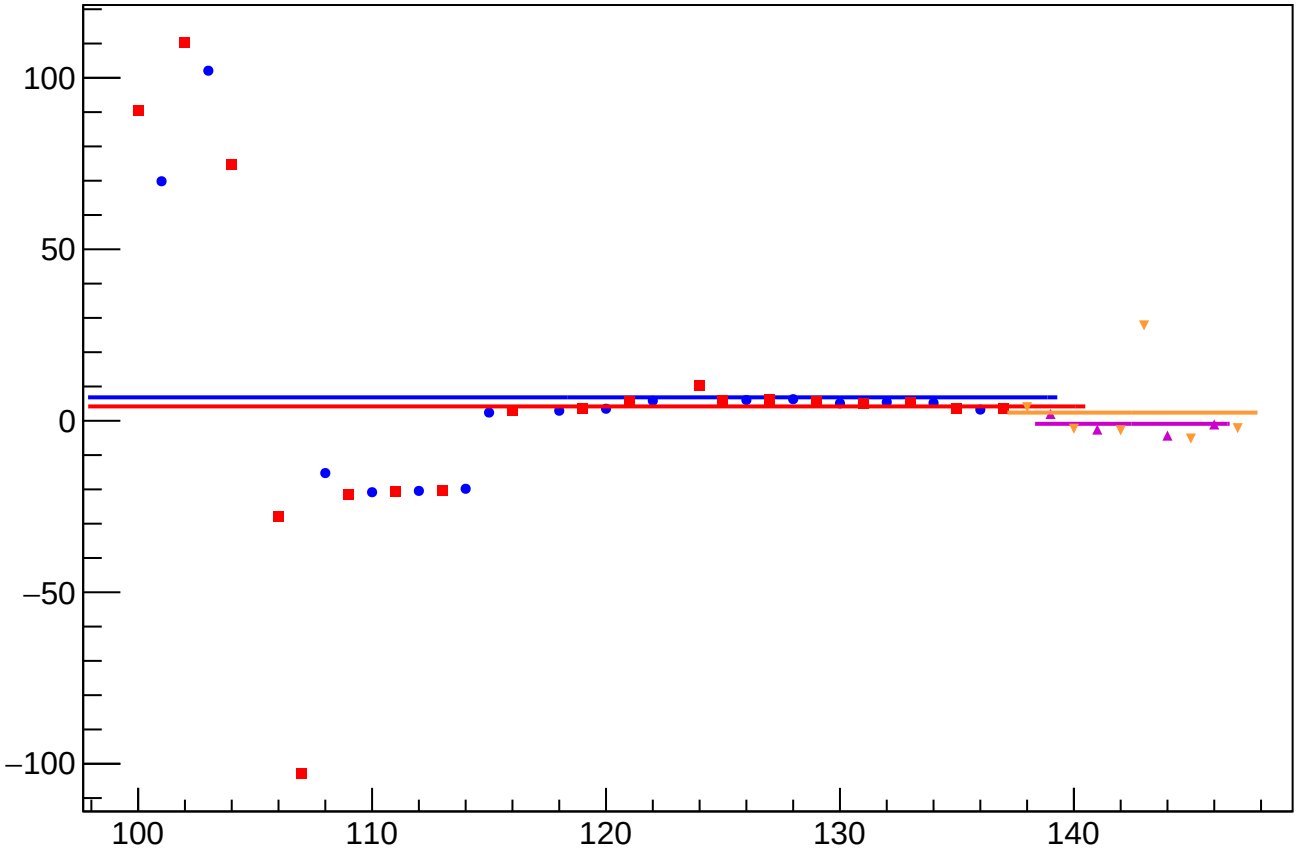
Left In: 2.752+/-0.877 χ^2/NDF:9.2/3

+ sign 2.506+/-0.513 χ^2/NDF: 112.2/21

All: 1.947+/-0.378 χ^2/NDF: 169.2/44

- sign 1.281+/-0.559 χ^2/NDF: 54.4/22

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 2.383+/-0.036 χ^2/NDF:80602.7/5

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

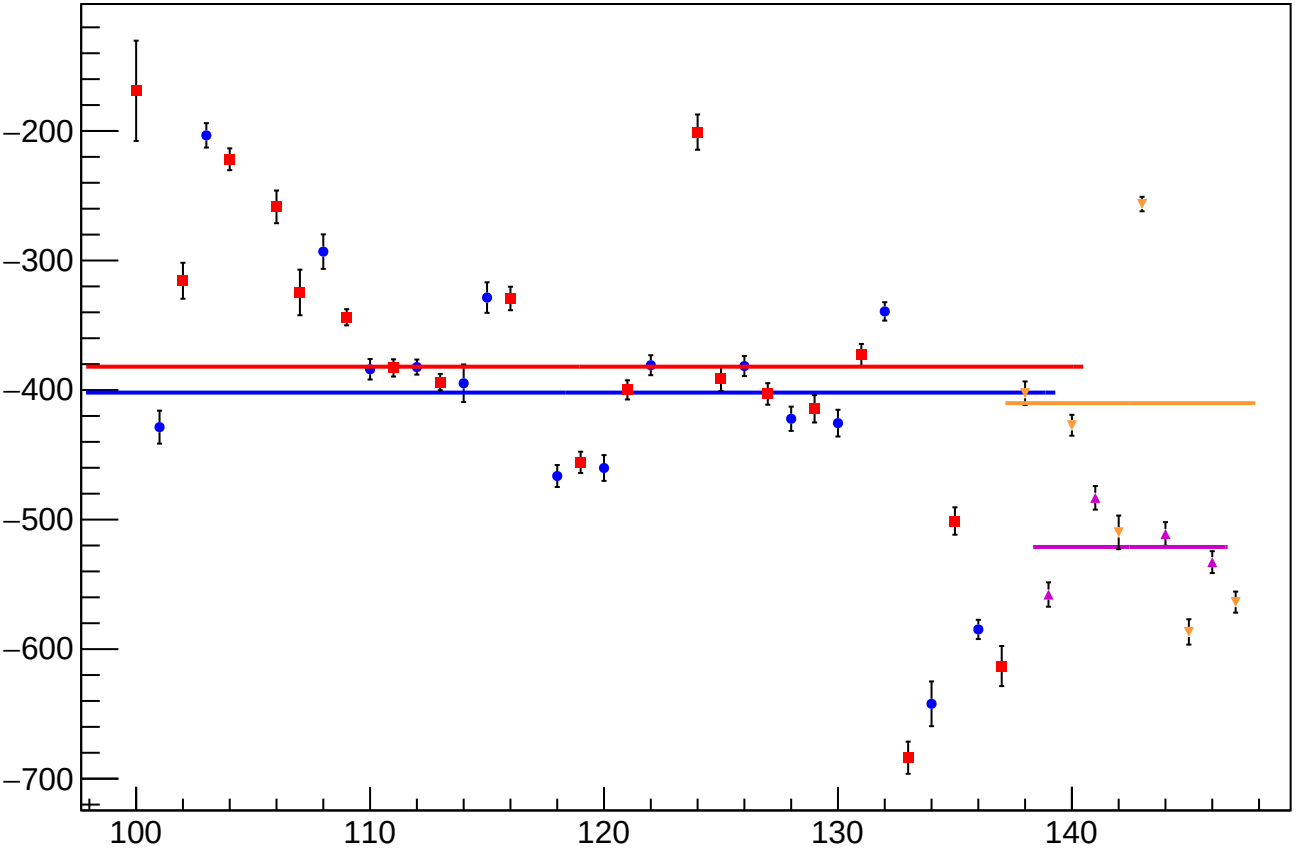
Left In: -0.880+/-0.039 χ^2/NDF:3890.2/3

+ sign 4.205+/-0.027 χ^2/NDF: 407946.9/21

All: 2.829+/-0.020 χ^2/NDF: 858919.9/44

- sign 1.210+/-0.030 χ^2/NDF: 445486.1/22

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -410.108+/-3.316 χ^2/NDF:1503.3/5

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

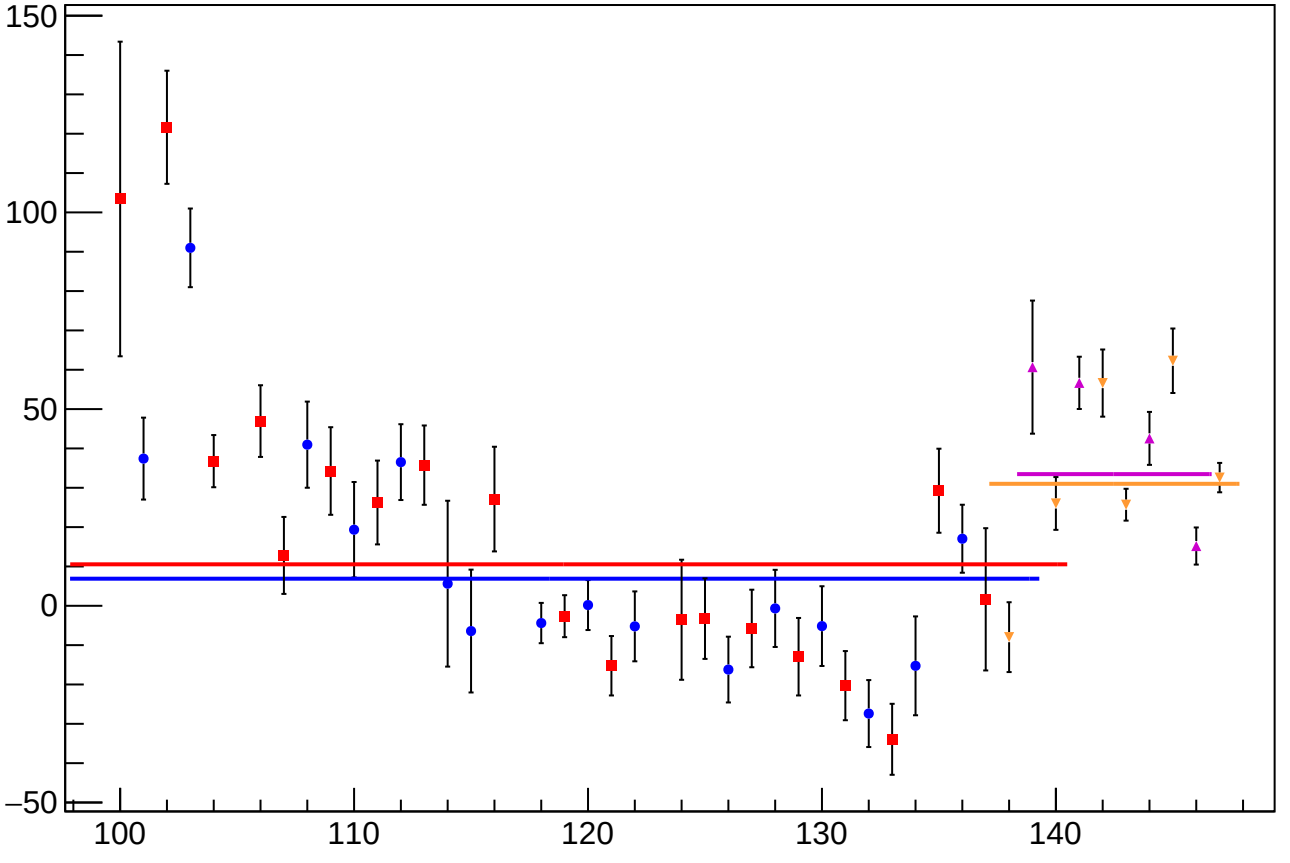
Left In: -521.139+/-4.500 χ^2/NDF:35.8/3

+ sign -404.507+/-1.854 χ^2/NDF: 3070.8/21

All: -405.863+/-1.334 χ^2/NDF: 5707.5/44

- sign -407.319+/-1.921 χ^2/NDF: 2635.6/22

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 31.009+/-2.257 χ^2/NDF:45.3/5

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

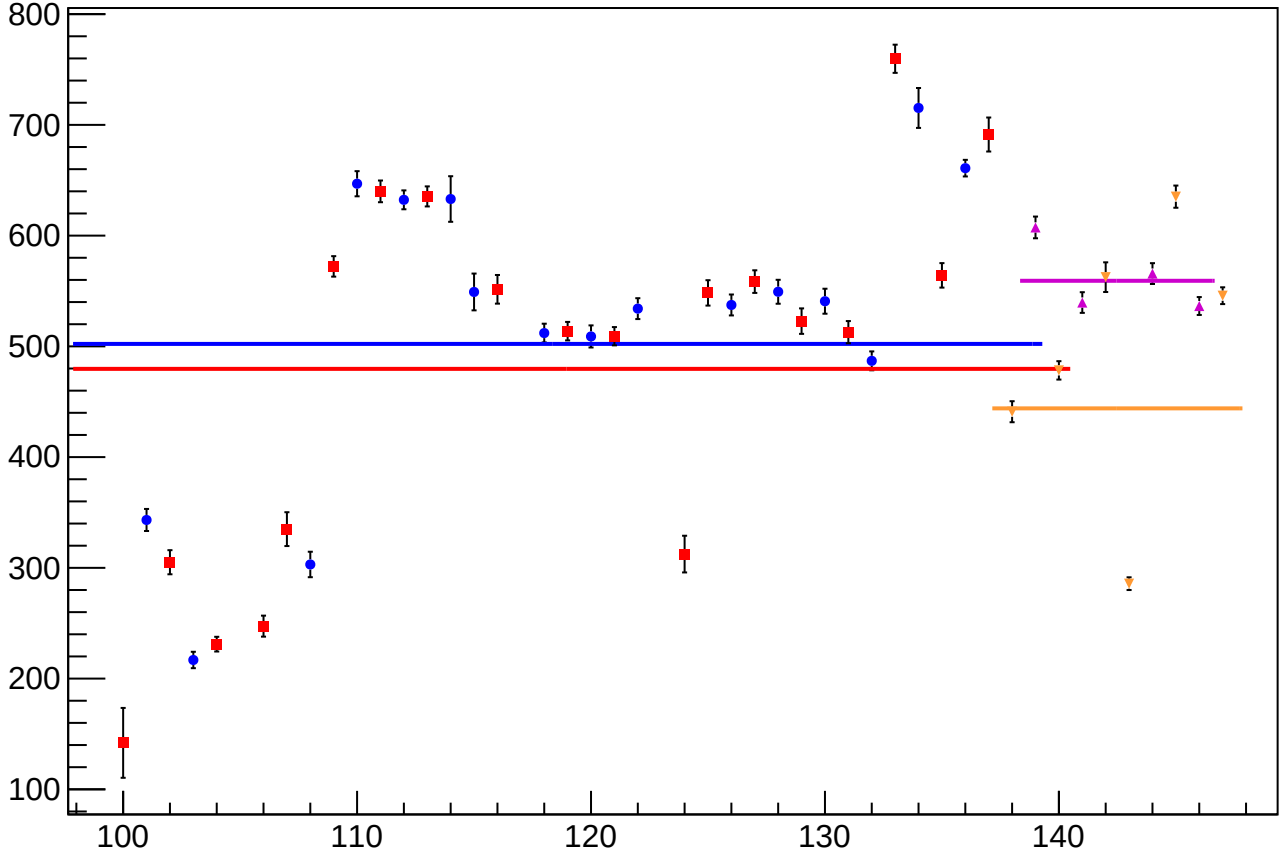
Left In: 33.473+/-3.277 χ^2/NDF:31.6/3

+ sign 18.987+/-1.599 χ^2/NDF: 240.7/21

All: 18.409+/-1.202 χ^2/NDF: 486.4/44

- sign 17.655+/-1.825 χ^2/NDF: 245.4/22

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 444.005+/-3.355 χ^2/NDF:1398.8/5

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

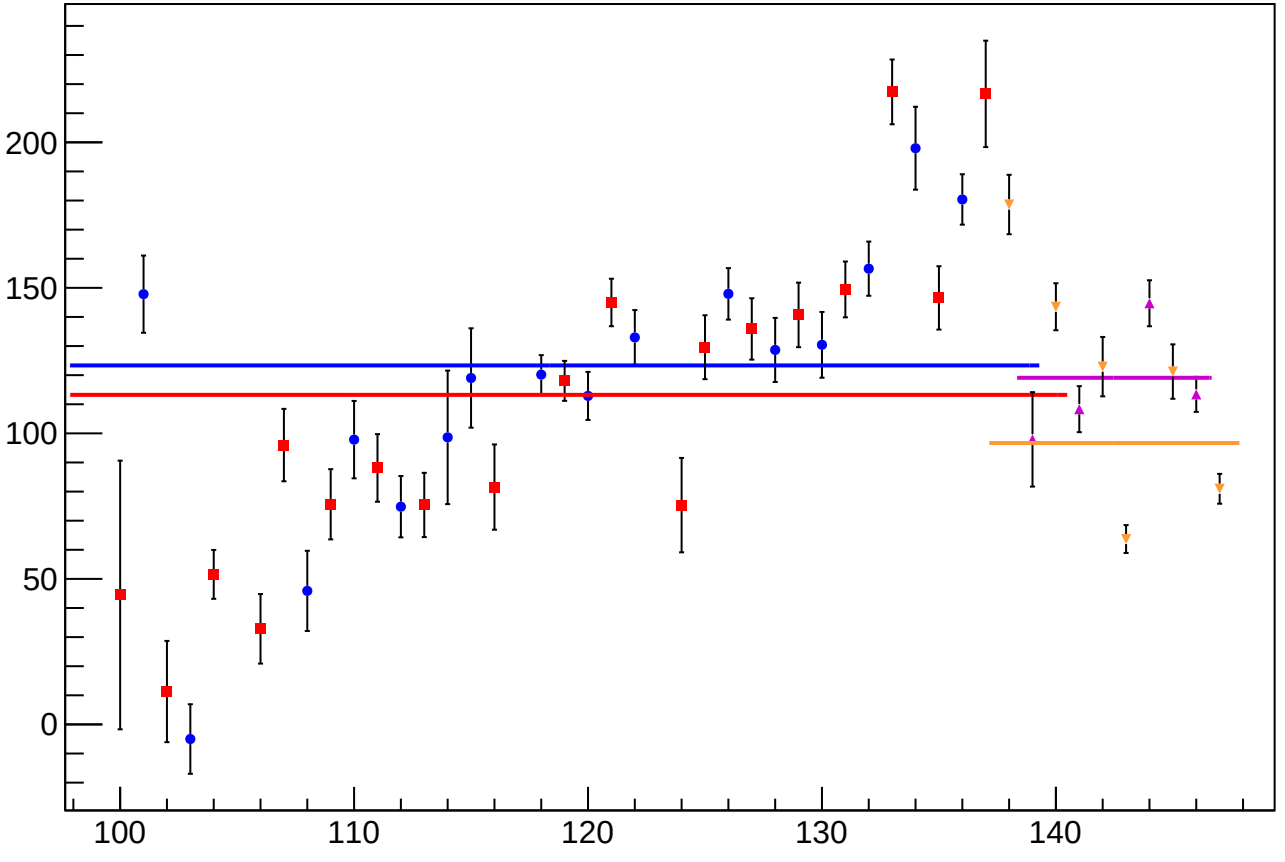
Left In: 559.214+/-4.540 χ^2/NDF:37.0/3

+ sign 481.511+/-2.001 χ^2/NDF: 4727.9/21

All: 488.824+/-1.456 χ^2/NDF: 9171.7/44

- sign 497.042+/-2.121 χ^2/NDF: 4415.4/22

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.693+/-2.798 χ^2/NDF:168.5/5

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

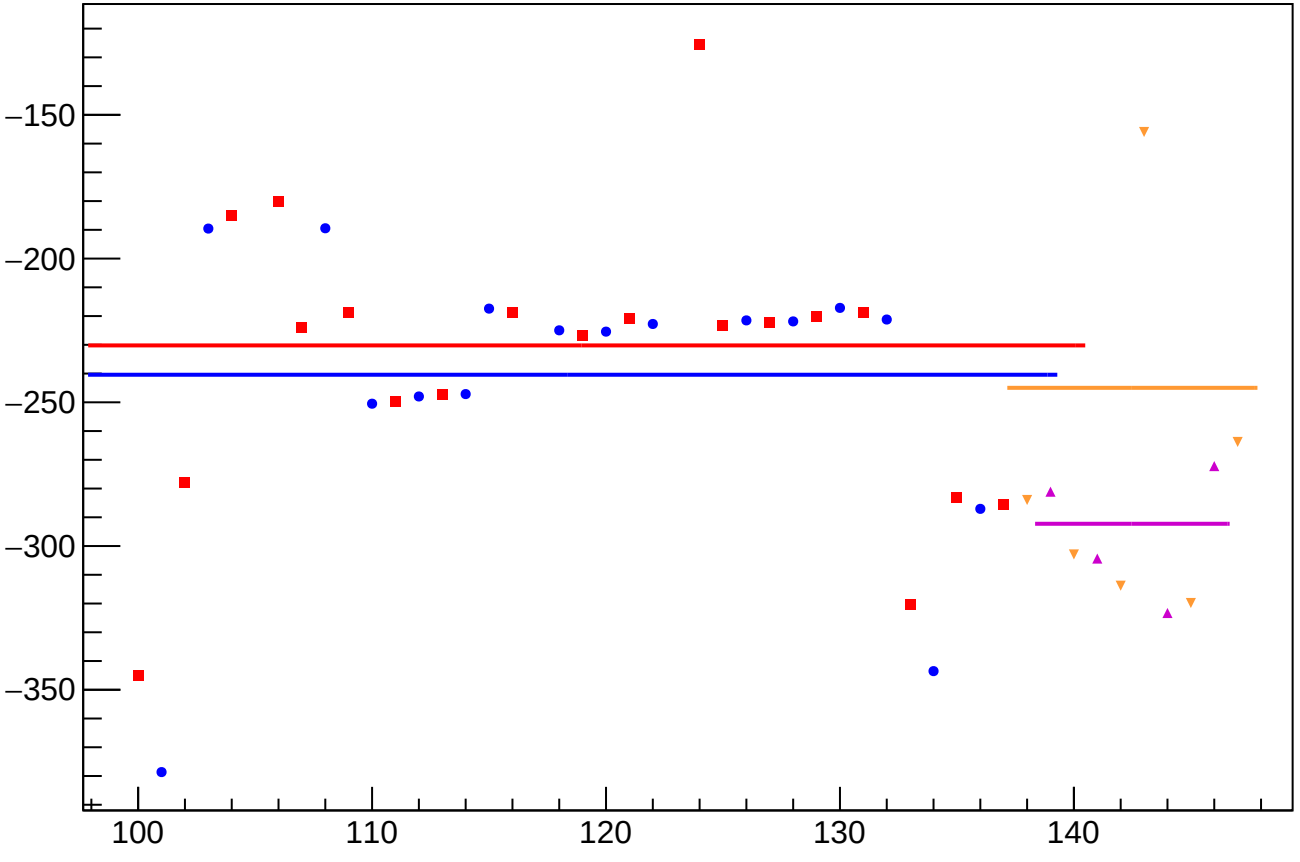
Left In: 119.096+/-3.969 χ^2/NDF:15.0/3

+ sign 110.859+/-1.915 χ^2/NDF: 488.1/21

All: 112.673+/-1.428 χ^2/NDF: 852.4/44

- sign 114.943+/-2.142 χ^2/NDF: 362.3/22

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -244.962+/-0.141 χ^2/NDF:227469.6/5

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

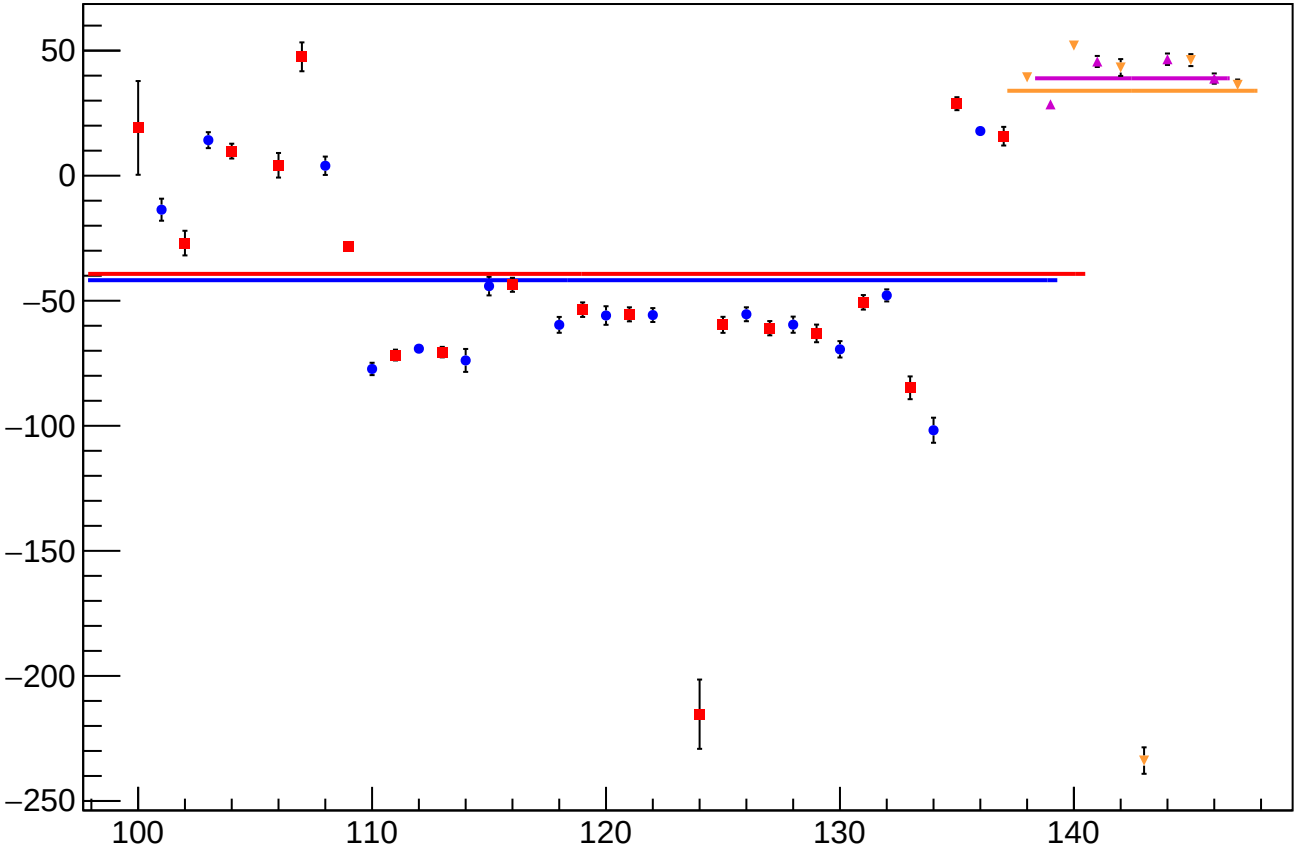
Left In: -292.256+/-0.186 χ^2/NDF:10783.5/3

+ sign -242.830+/-0.103 χ^2/NDF: 362106.9/21

All: -247.787+/-0.077 χ^2/NDF: 530205.7/44

- sign -253.965+/-0.115 χ^2/NDF: 162904.9/22

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 33.949+/-0.982 χ^2/NDF:2690.4/5

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

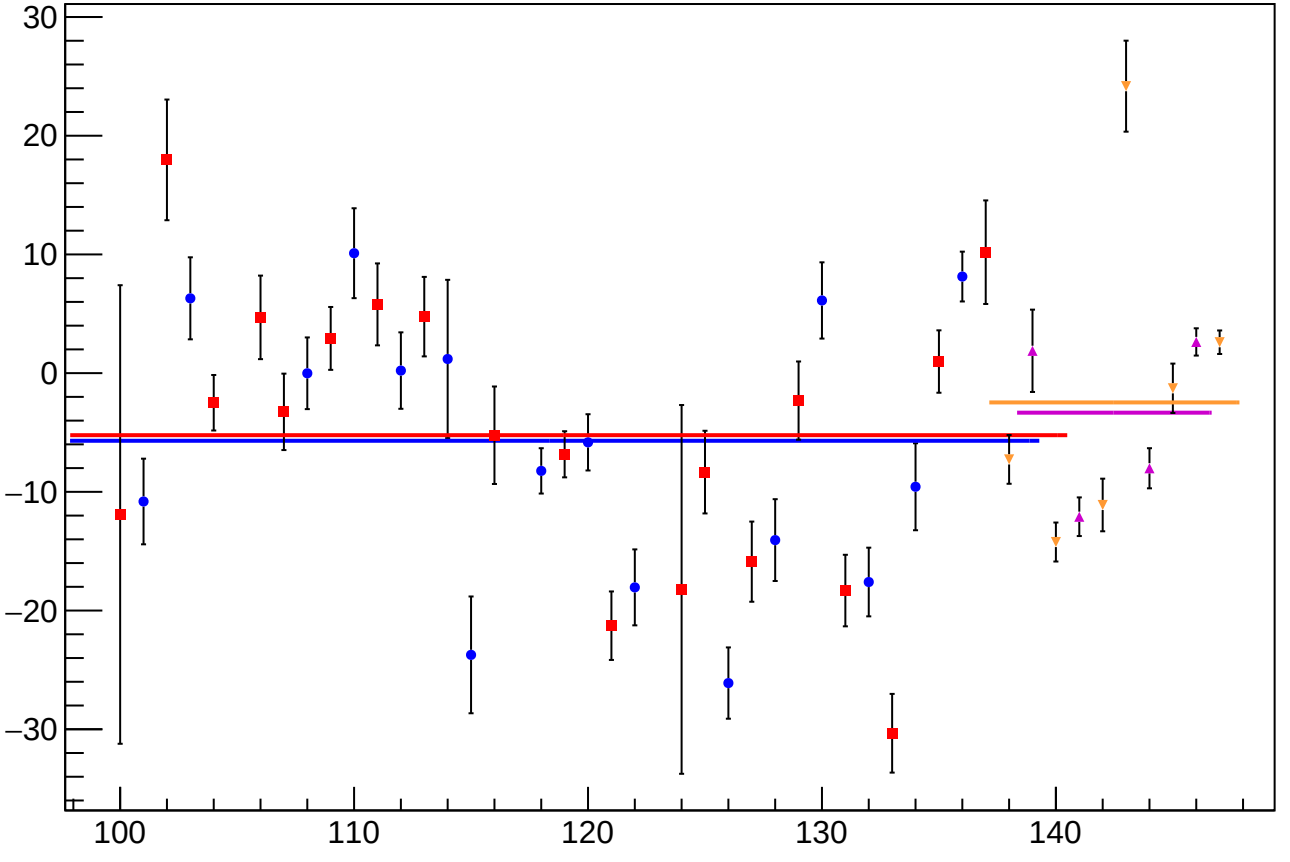
Left In: 38.931+/-1.052 χ^2/NDF:49.6/3

+ sign -15.149+/-0.582 χ^2/NDF: 8954.1/21

All: -15.701+/-0.408 χ^2/NDF: 15382.6/44

- sign -16.232+/-0.571 χ^2/NDF: 6426.7/22

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.467+/-0.685 χ^2/NDF:146.8/5

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

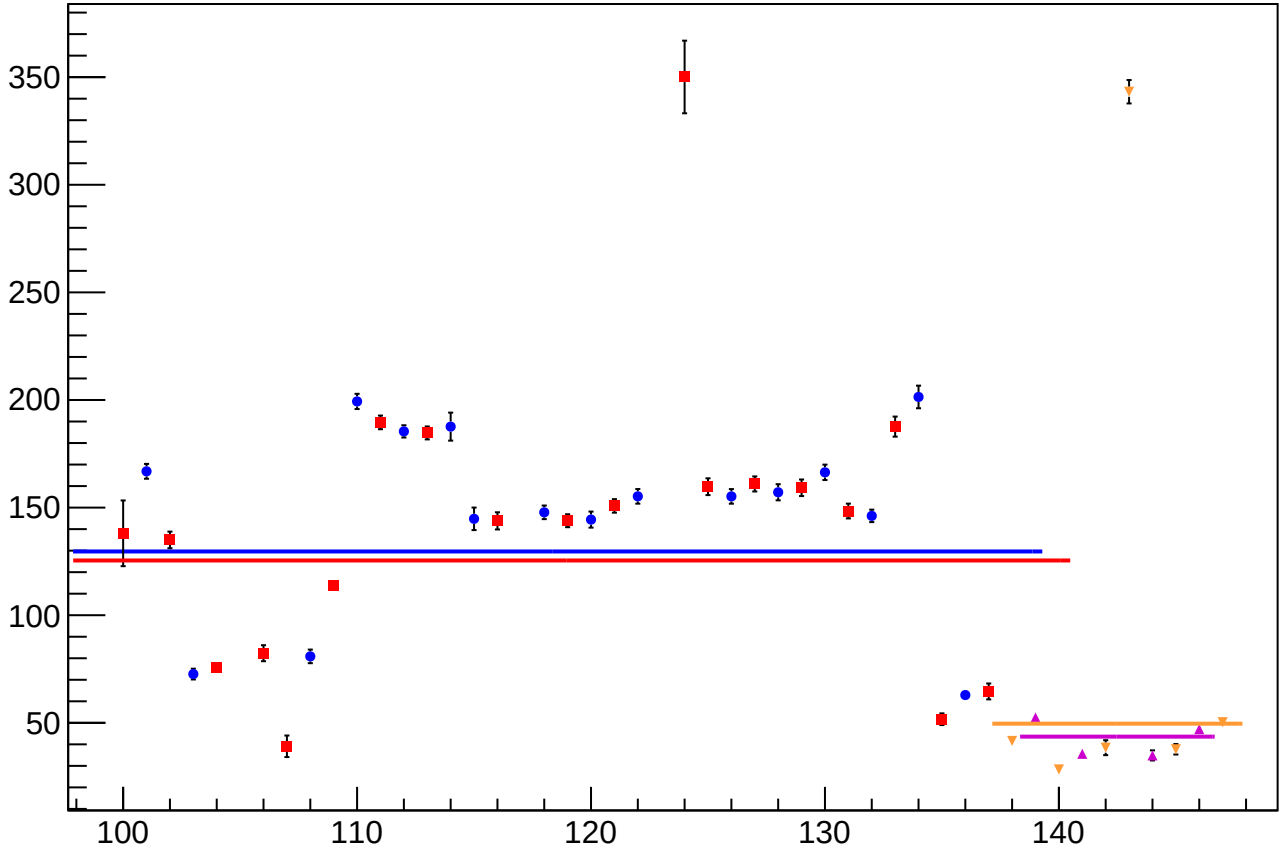
Left In: -3.331+/-0.799 χ^2/NDF:65.8/3

+ sign -3.930+/-0.507 χ^2/NDF: 353.6/21

All: -4.126+/-0.370 χ^2/NDF: 620.1/44

- sign -4.351+/-0.543 χ^2/NDF: 266.2/22

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.606+/-0.989 χ^2/NDF:3074.9/5

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

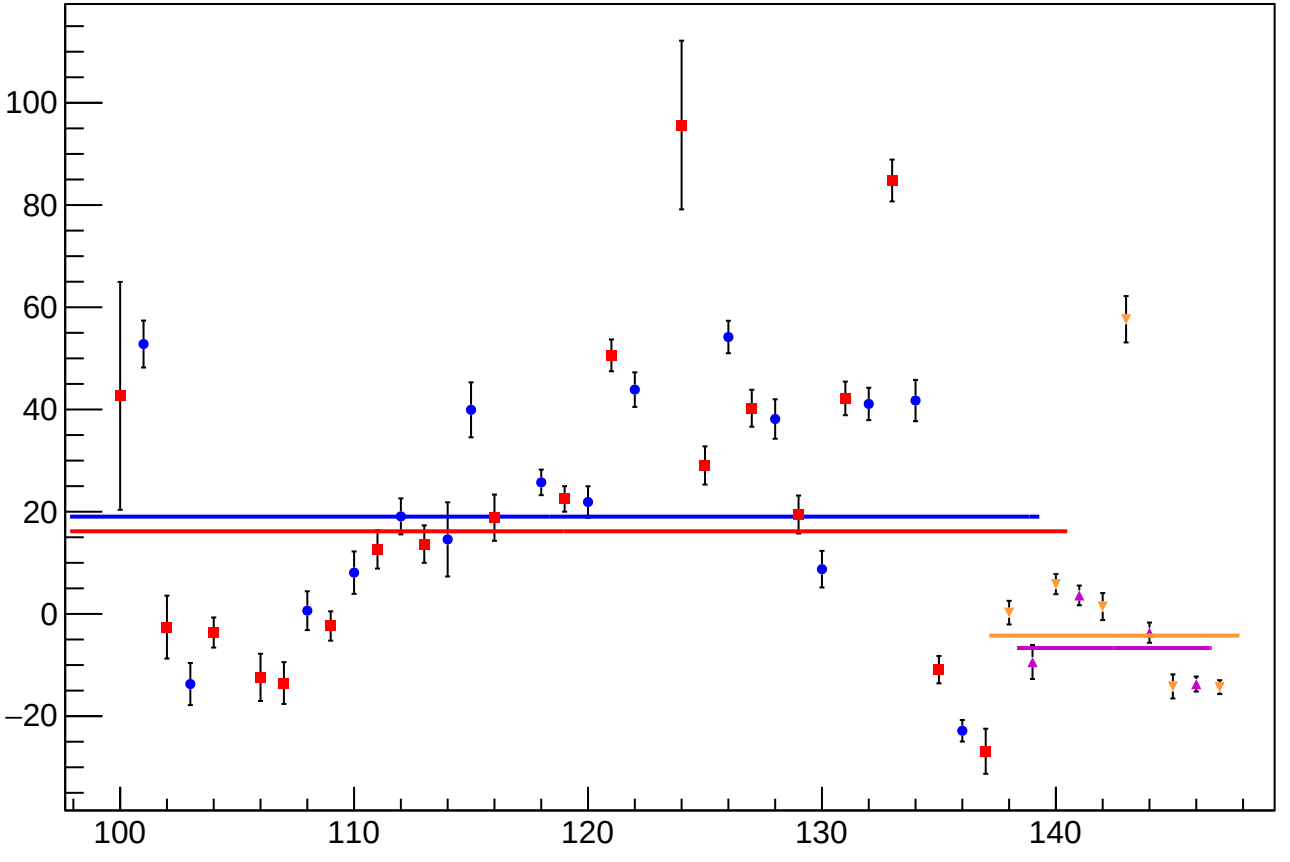
Left In: 43.584+/-1.064 χ^2/NDF:48.9/3

+ sign 97.959+/-0.622 χ^2/NDF: 10651.7/21

All: 97.179+/-0.444 χ^2/NDF: 18020.9/44

- sign 96.369+/-0.634 χ^2/NDF: 7366.1/22

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -4.236+/-0.857 χ^2/NDF:294.1/5

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

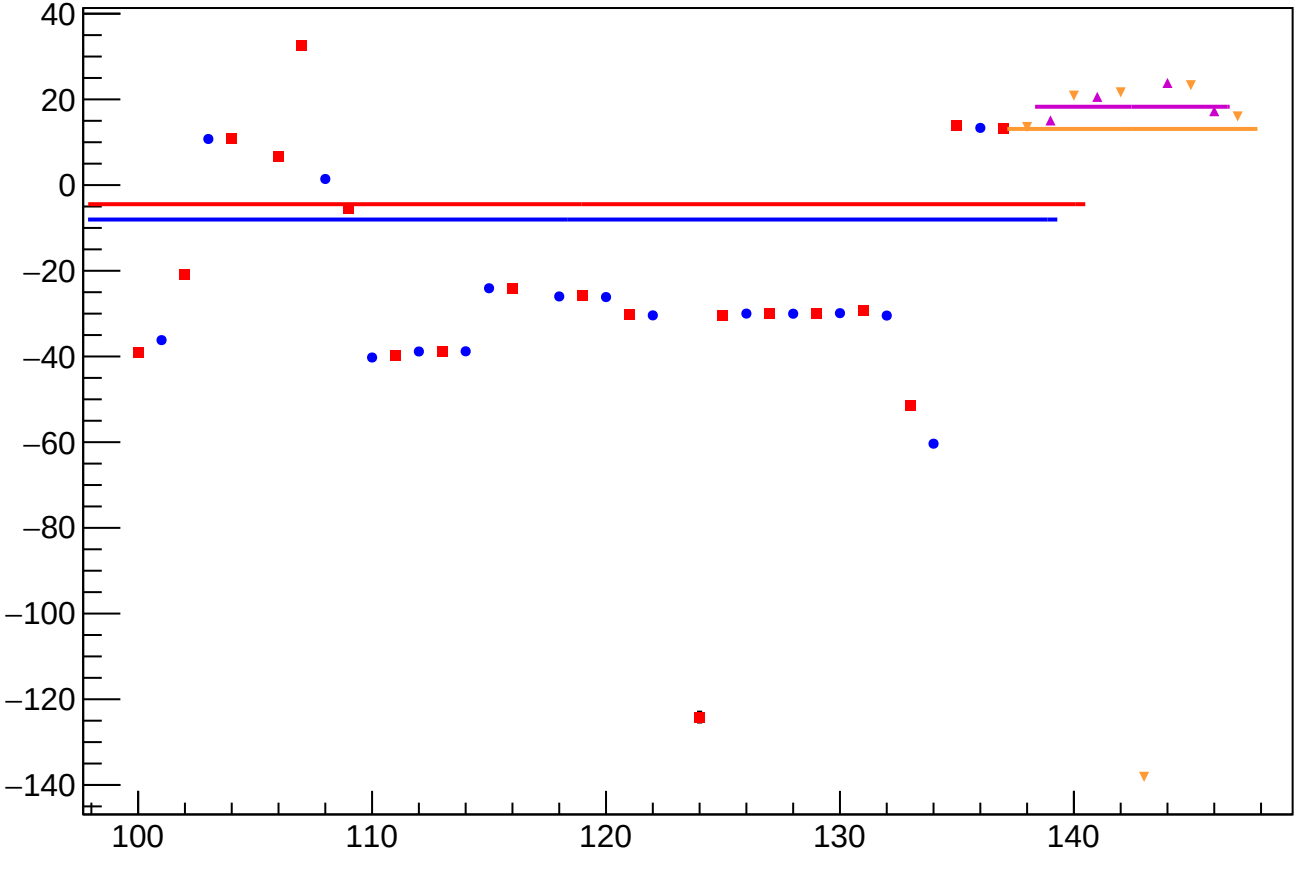
Left In: -6.674+/-0.962 χ^2/NDF:54.6/3

+ sign 7.358+/-0.607 χ^2/NDF: 1519.6/21

All: 6.810+/-0.439 χ^2/NDF: 2835.3/44

- sign 6.210+/-0.635 χ^2/NDF: 1314.0/22

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.108+/-0.041 χ^2/NDF:469219.5/5

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

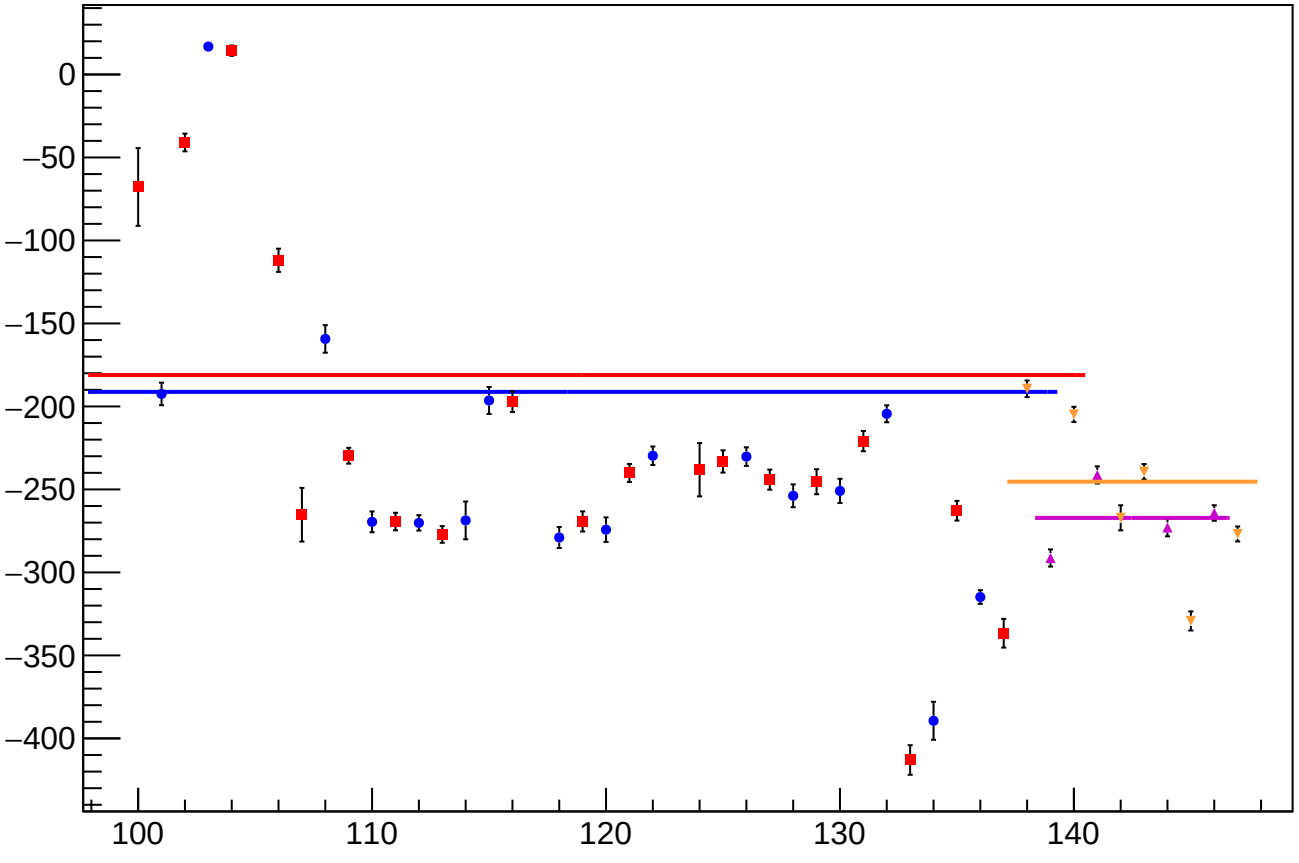
Left In: 18.283+/-0.043 χ^2/NDF:5549.2/3

+ sign 3.625+/-0.031 χ^2/NDF: 854527.3/21

All: 5.695+/-0.022 χ^2/NDF: 1226196.4/44

- sign 7.895+/-0.032 χ^2/NDF: 362282.8/22

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -245.334+/-2.081 χ^2/NDF:474.0/5

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

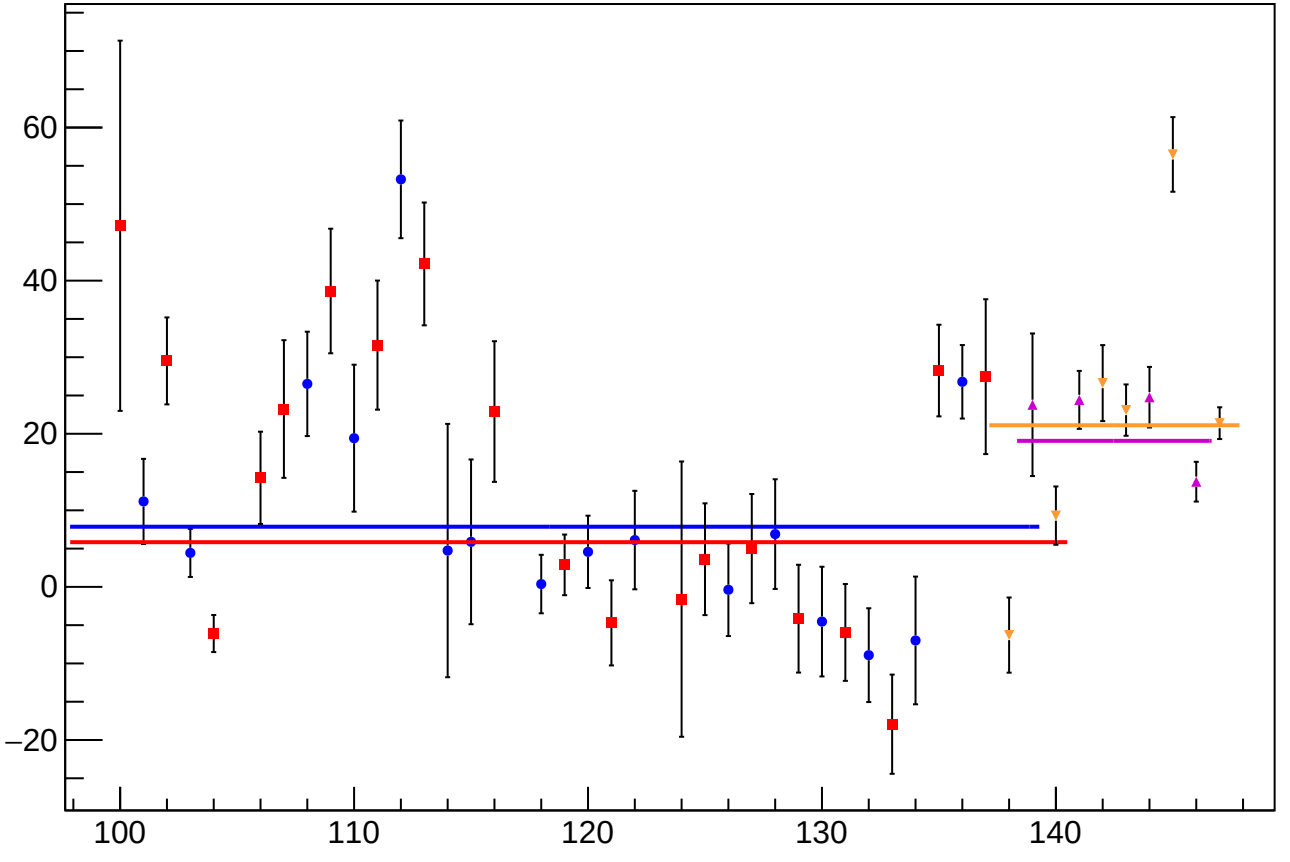
Left In: -267.157+/-2.541 χ^2/NDF:48.2/3

\+ sign -208.389+/-1.172 χ^2/NDF: 8160.2/21

All: -204.703+/-0.843 χ^2/NDF: 16488.5/44

\- sign -200.746+/-1.214 χ^2/NDF: 8307.8/22

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 21.112+/-1.394 χ^2/NDF:95.1/5

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

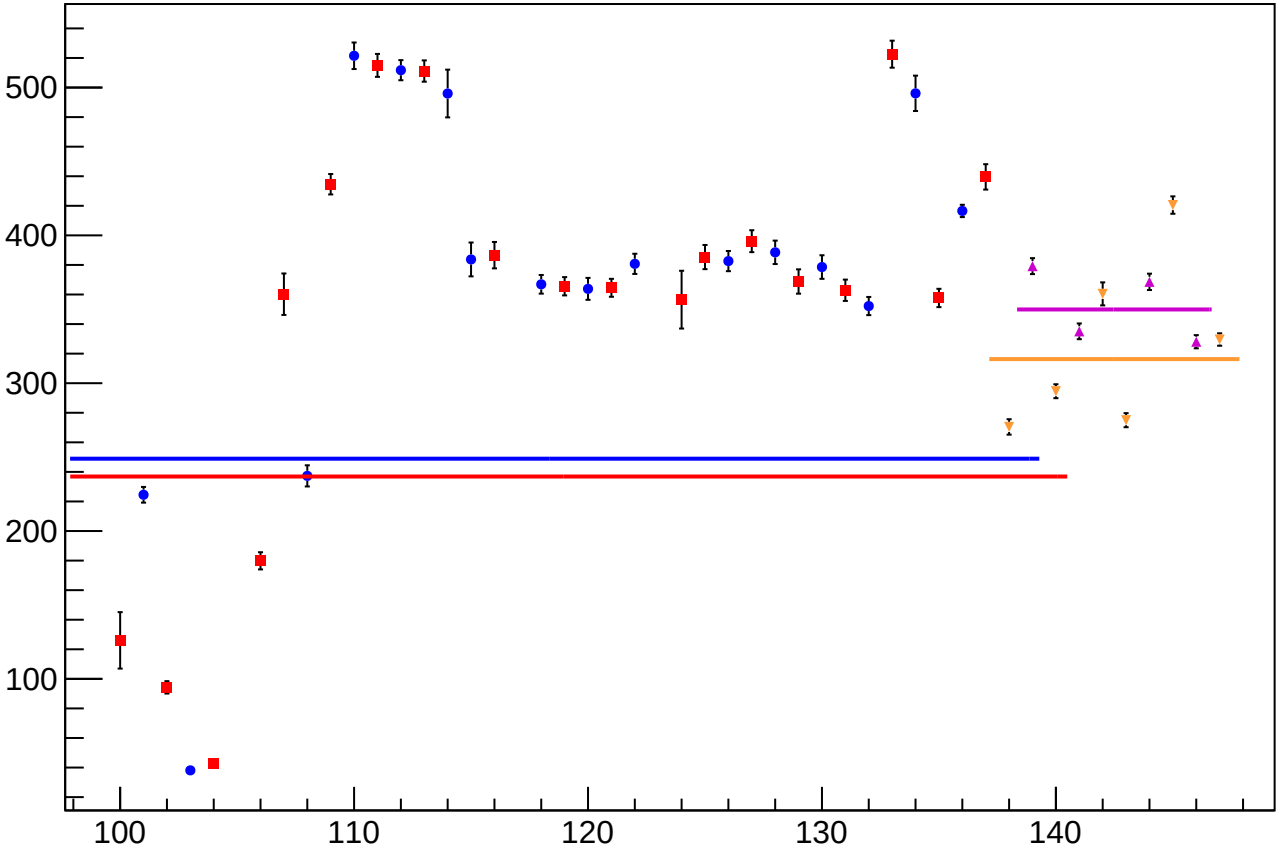
Left In: 19.075+/-1.846 χ^2/NDF:8.6/3

+ sign 14.692+/-1.001 χ^2/NDF: 219.8/21

All: 12.768+/-0.738 χ^2/NDF: 411.7/44

- sign 10.475+/-1.093 χ^2/NDF: 183.8/22

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 316.295+/-2.096 χ^2/NDF:529.3/5

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

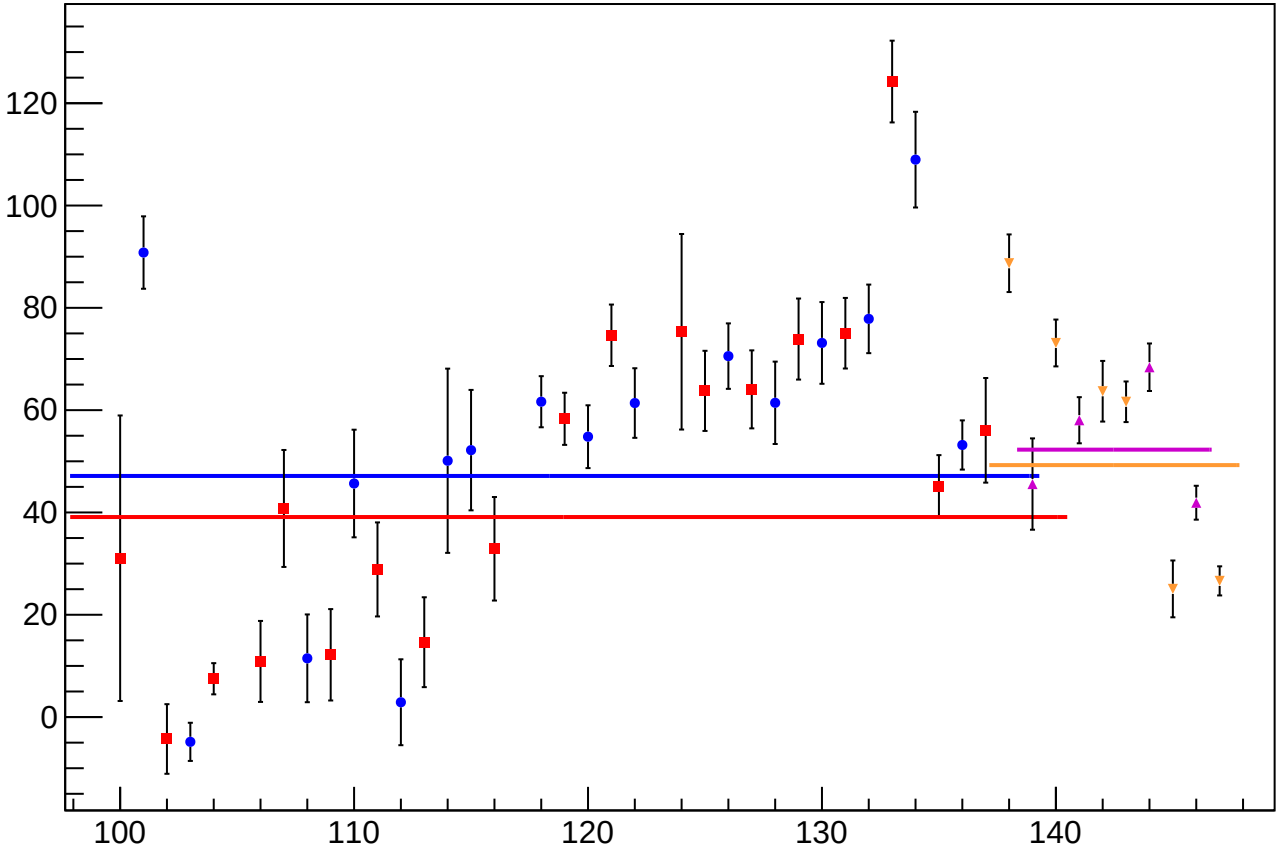
Left In: 349.880+/-2.561 χ^2/NDF:72.5/3

+ sign 270.160+/-1.177 χ^2/NDF: 16539.0/21

All: 266.777+/-0.851 χ^2/NDF: 33781.9/44

- sign 263.062+/-1.233 χ^2/NDF: 17225.6/22

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 49.255+/-1.749 χ^2/NDF:174.2/5

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

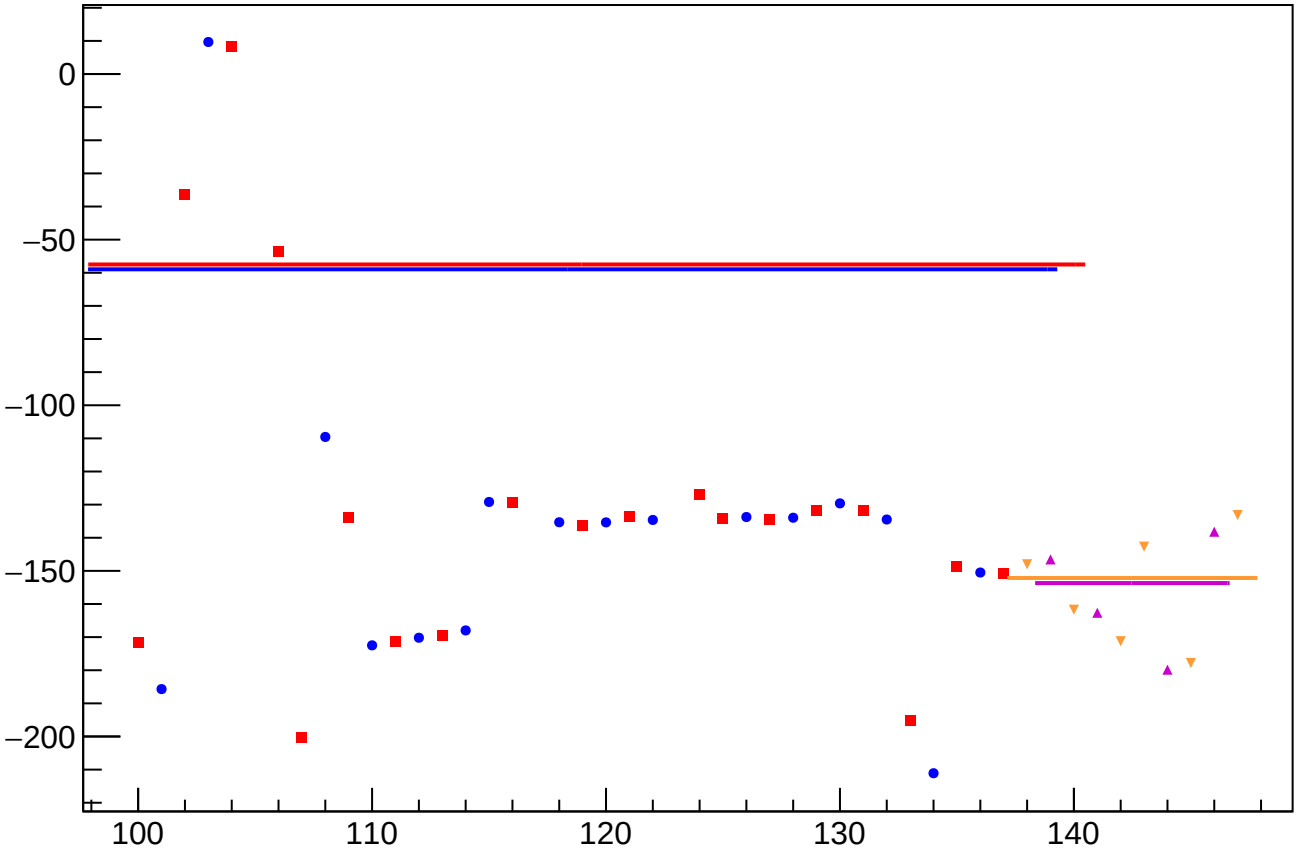
Left In: 52.278+/-2.240 χ^2/NDF:24.0/3

+ sign 48.146+/-1.207 χ^2/NDF: 560.3/21

All: 46.013+/-0.884 χ^2/NDF: 1030.5/44

- sign 43.539+/-1.300 χ^2/NDF: 463.4/22

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -152.141+/-0.089 χ^2/NDF:30721.9/5

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

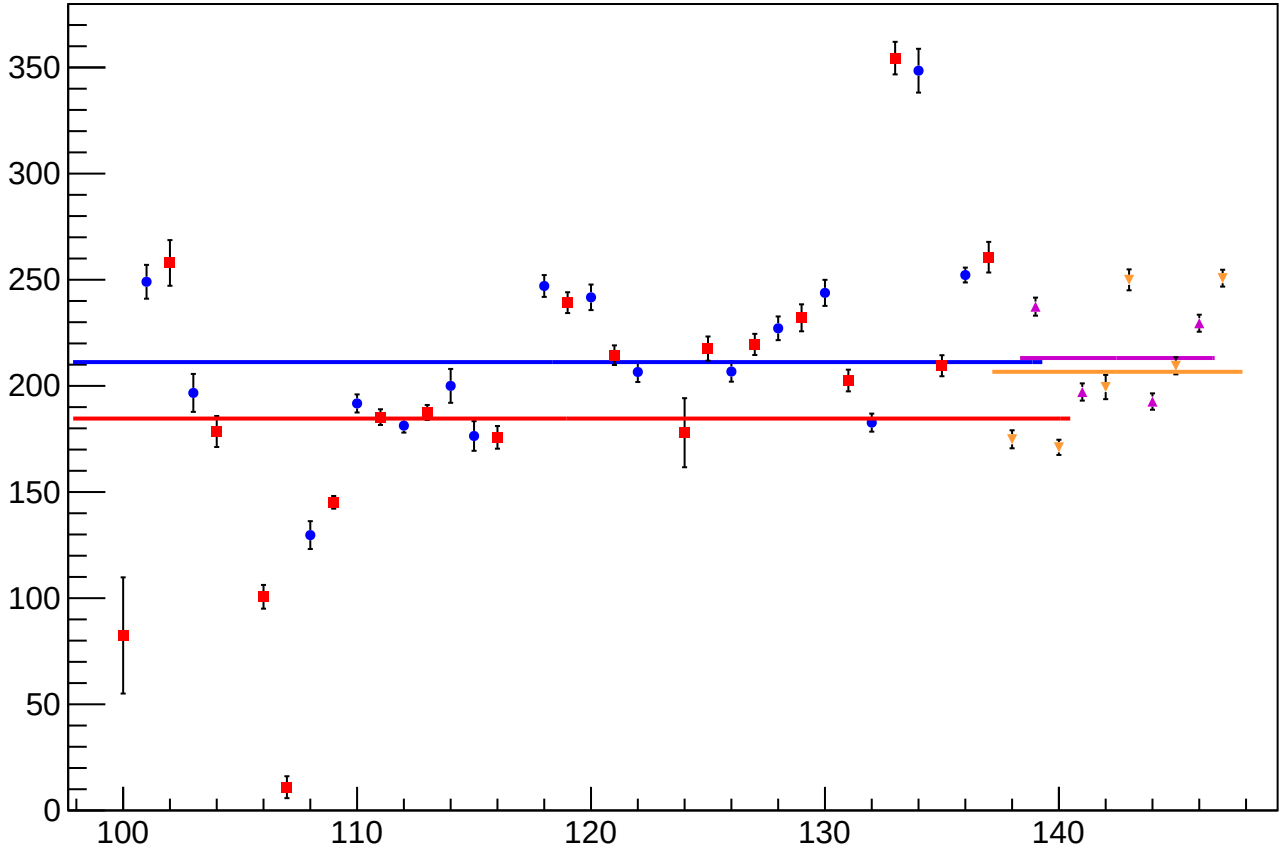
Left In: -153.682+/-0.105 χ^2/NDF:20723.3/3

+ sign -96.399+/-0.056 χ^2/NDF: 1919646.6/21

All: -93.319+/-0.041 χ^2/NDF: 3380516.8/44

- sign -89.738+/-0.061 χ^2/NDF: 1454365.1/22

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 206.636+/-1.740 χ^2/NDF:357.3/5

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

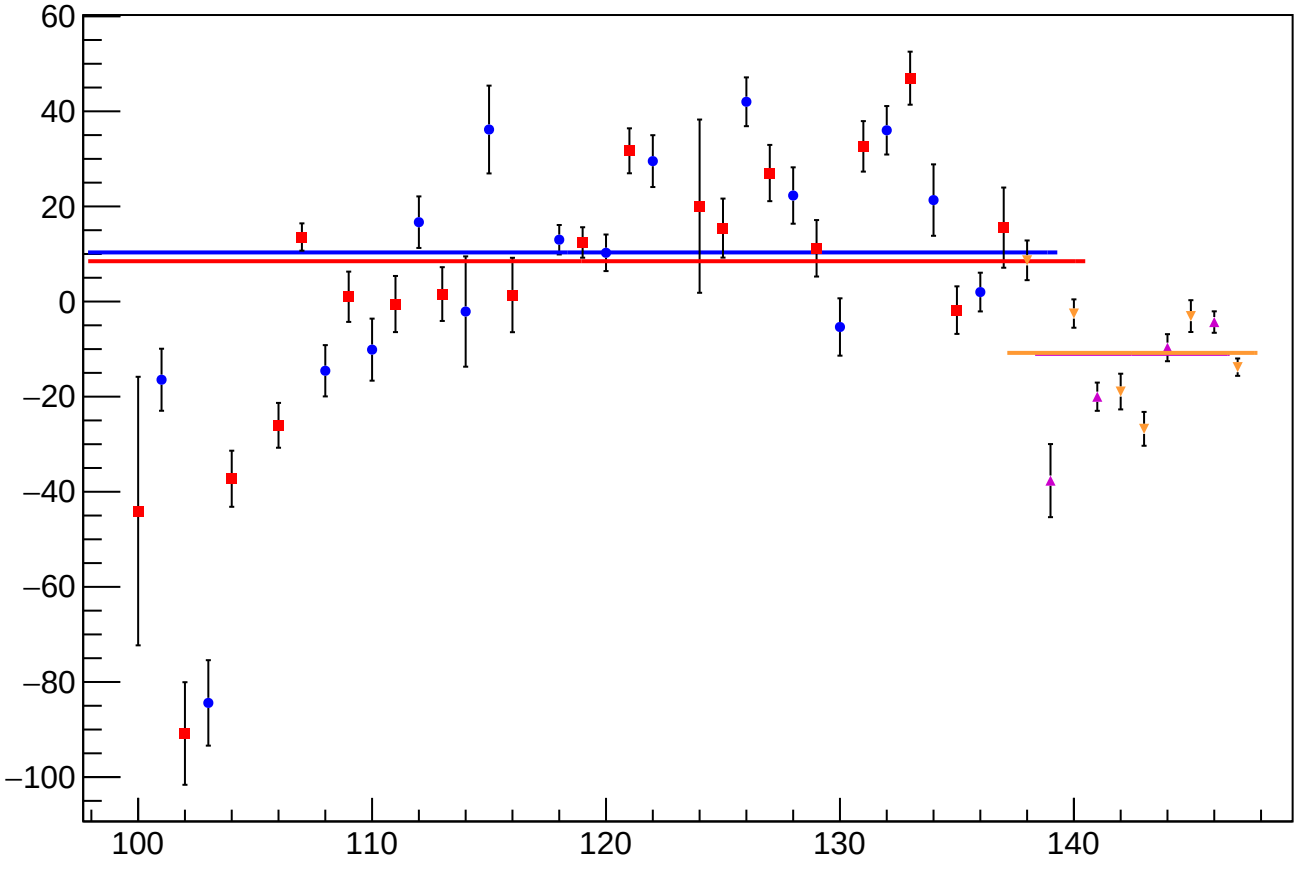
Left In: 213.127+/-2.019 χ^2/NDF:92.9/3

+ sign 209.579+/-1.039 χ^2/NDF: 1144.7/21

All: 200.690+/-0.731 χ^2/NDF: 4070.4/44

- sign 192.000+/-1.028 χ^2/NDF: 2781.0/22

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.796+/-1.188 χ^2/NDF:62.3/5

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

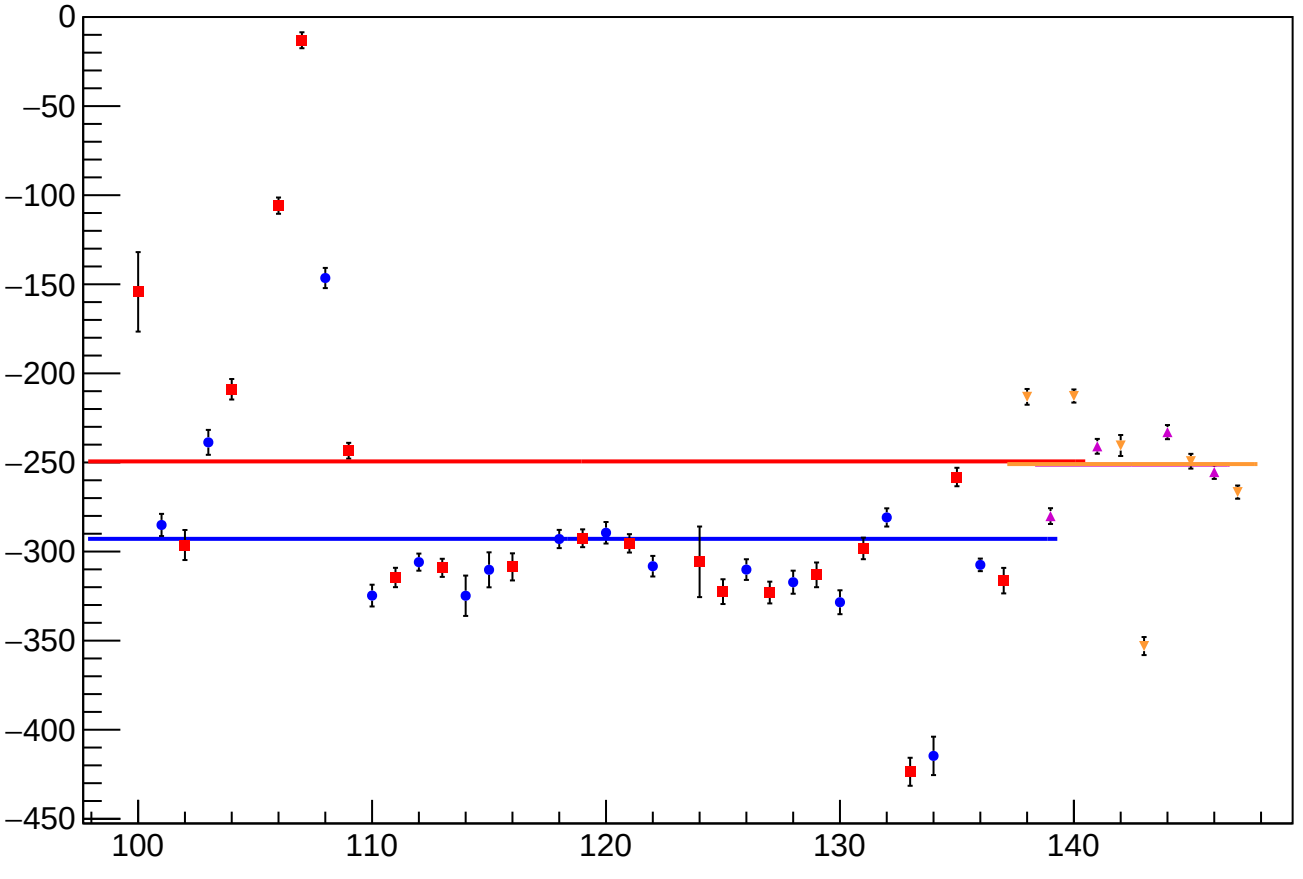
Left In: -11.005+/-1.491 χ^2/NDF:30.2/3

+ sign -1.444+/-0.887 χ^2/NDF: 465.6/21

All: -0.476+/-0.647 χ^2/NDF: 922.7/44

- sign 0.628+/-0.946 χ^2/NDF: 454.6/22

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.910+/-1.758 χ^2/NDF:608.3/5

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

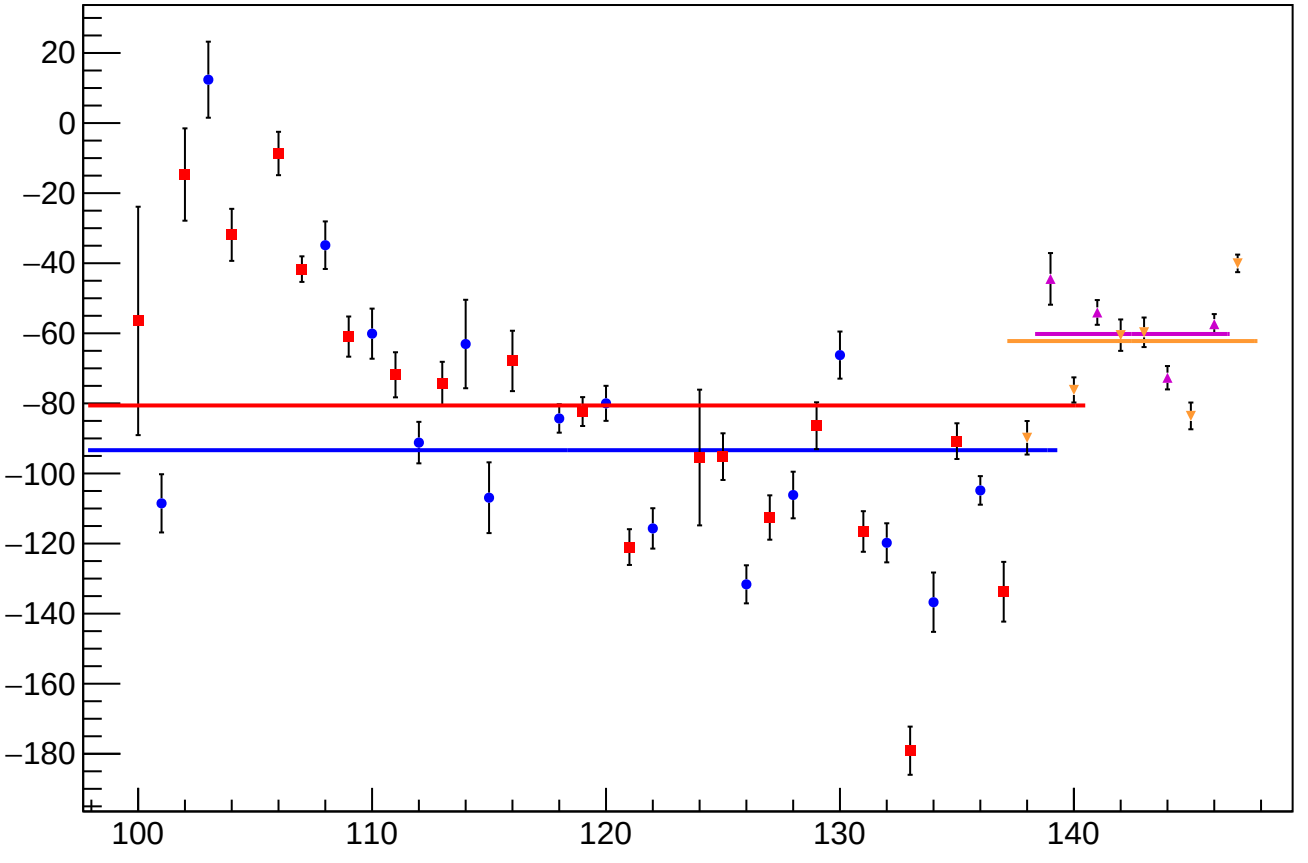
Left In: -251.211+/-2.042 χ^2/NDF:70.8/3

+ sign -275.636+/-1.126 χ^2/NDF: 1927.6/21

All: -262.920+/-0.800 χ^2/NDF: 7624.6/44

- sign -249.966+/-1.137 χ^2/NDF: 5439.8/22

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -62.213+/-1.482 χ^2/NDF:158.5/5

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

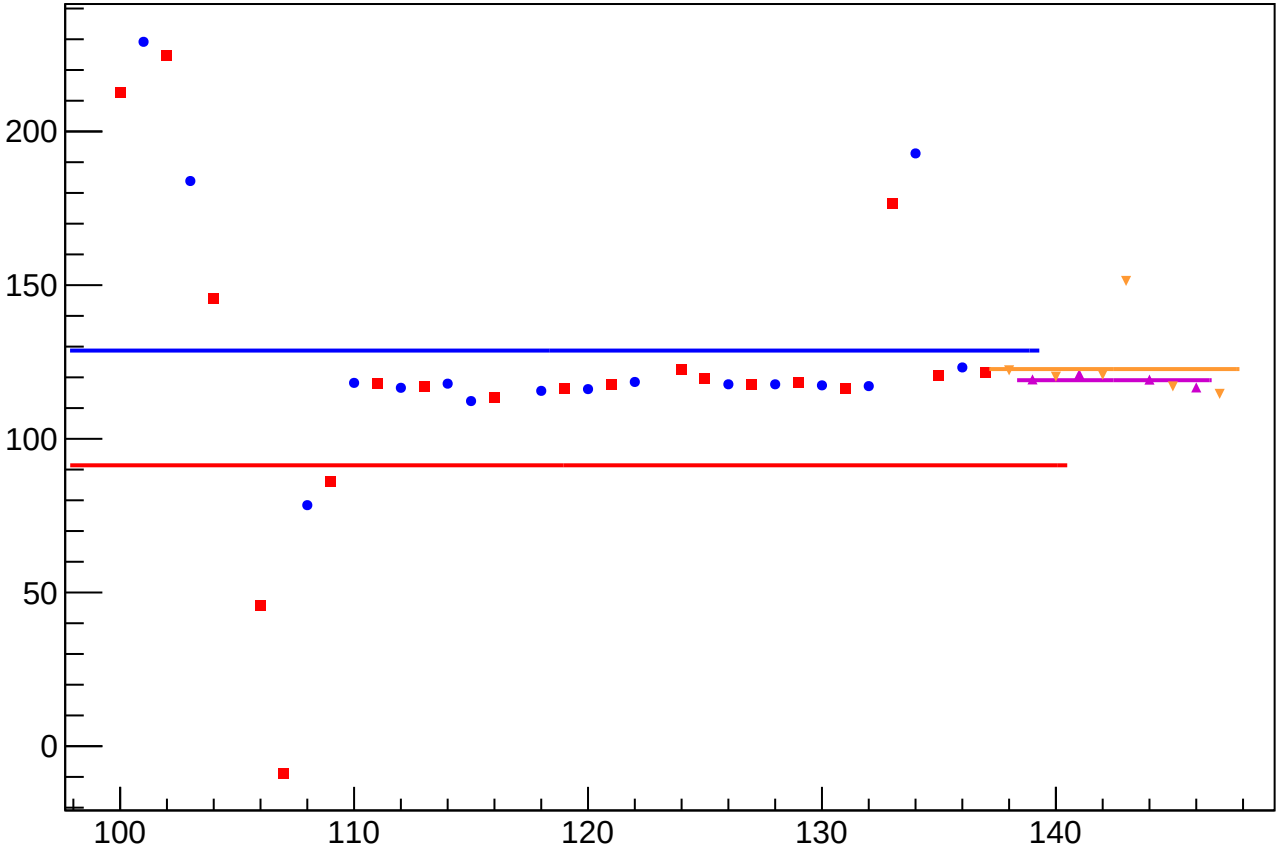
Left In: -60.192+/-1.797 χ^2/NDF:22.6/3

+ sign -77.243+/-1.066 χ^2/NDF: 727.0/21

All: -75.086+/-0.771 χ^2/NDF: 1552.7/44

- sign -72.722+/-1.116 χ^2/NDF: 817.1/22

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 122.693+/-0.074 χ^2/NDF:22331.2/5

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

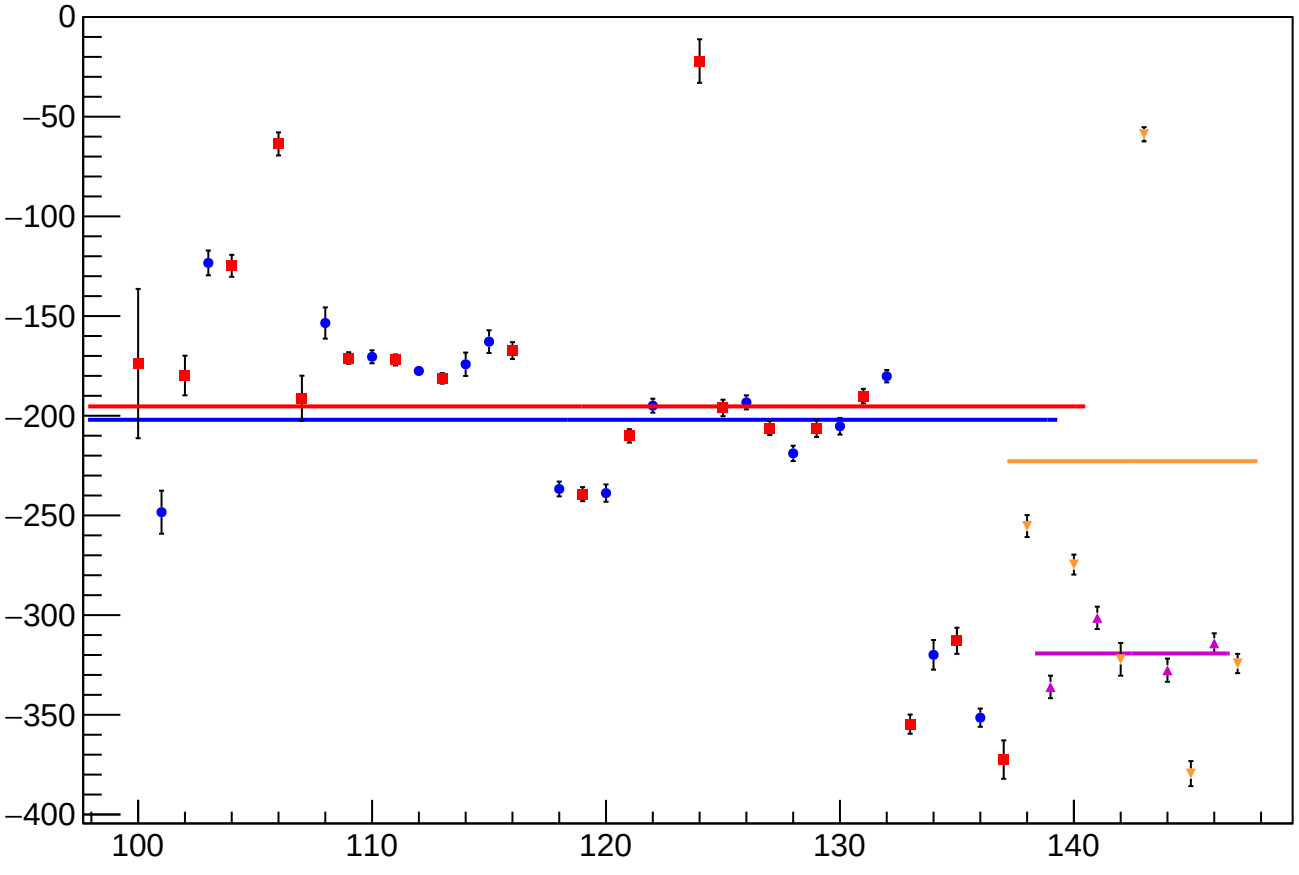
Left In: 119.074+/-0.084 χ^2/NDF:344.0/3

+ sign 125.153+/-0.057 χ^2/NDF: 208553.6/21

All: 114.885+/-0.040 χ^2/NDF: 937146.2/44

- sign 104.425+/-0.058 χ^2/NDF: 663021.0/22

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -222.793+/-2.063 χ^2/NDF:3478.1/5

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

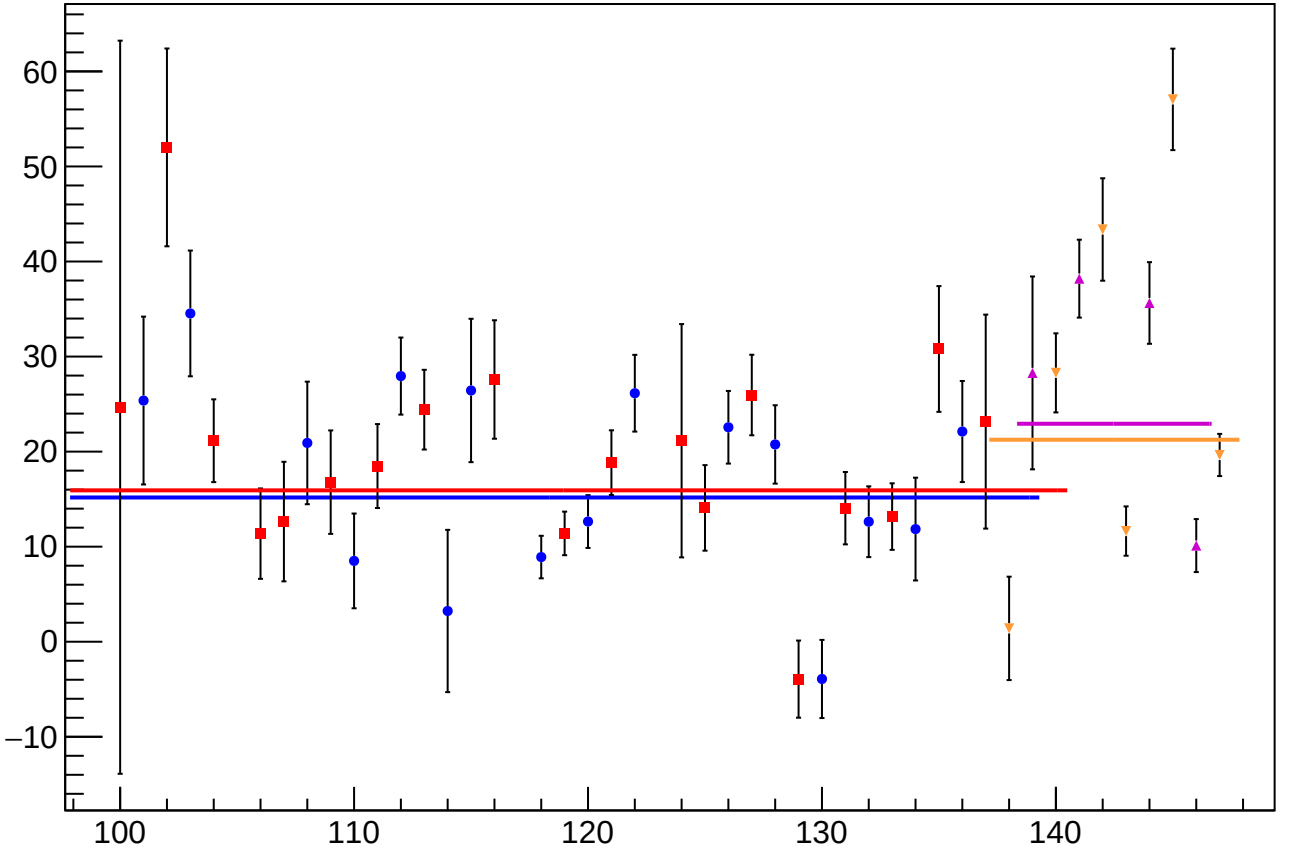
Left In: -319.229+/-2.745 χ^2/NDF:22.1/3

+ sign -206.127+/-0.917 χ^2/NDF: 5599.9/21

All: -207.645+/-0.649 χ^2/NDF: 10537.7/44

- sign -209.166+/-0.918 χ^2/NDF: 4932.3/22

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 21.251+/-1.396 χ^2/NDF:92.3/5

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

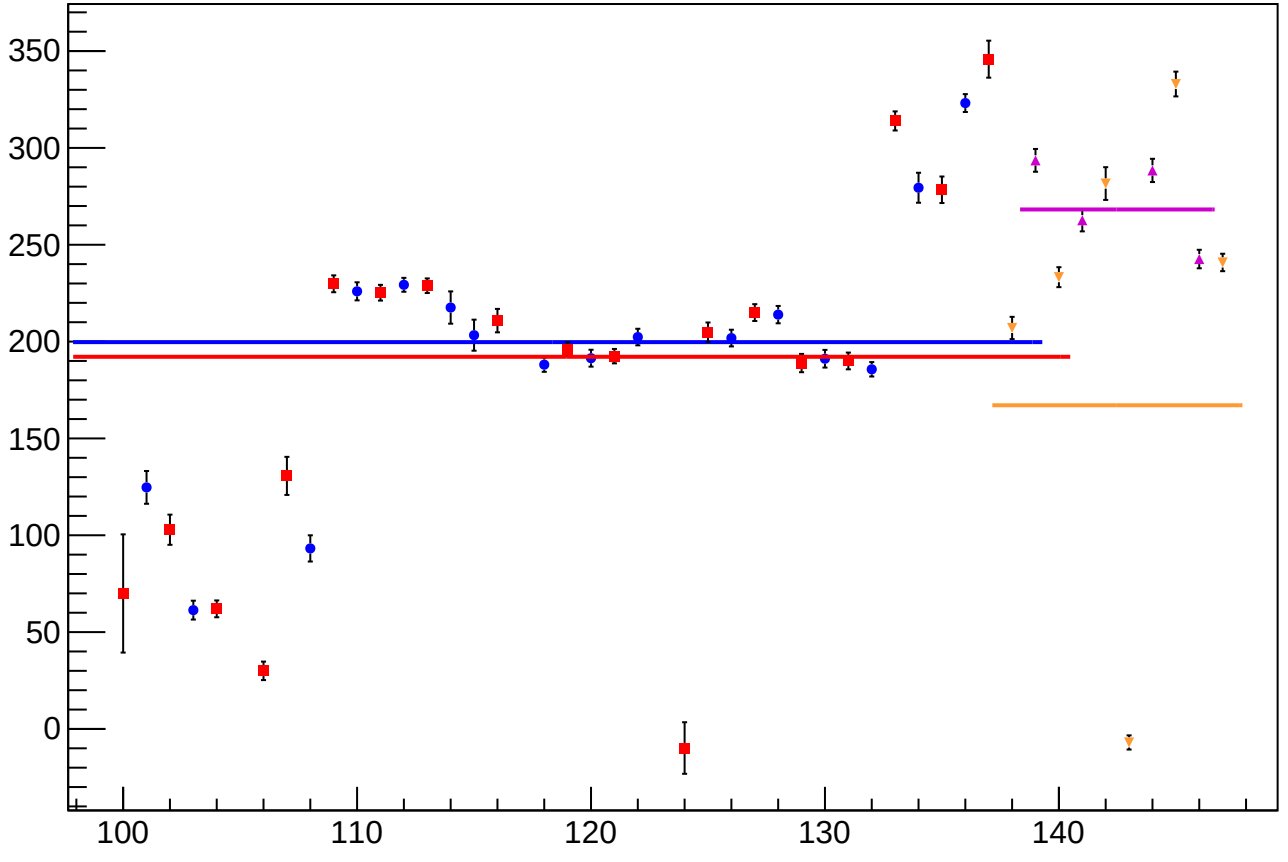
Left In: 22.930+/-1.991 χ^2/NDF:44.1/3

+ sign 17.364+/-0.838 χ^2/NDF: 176.7/21

All: 17.389+/-0.619 χ^2/NDF: 294.1/44

- sign 17.419+/-0.920 χ^2/NDF: 117.3/22

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 167.125+/-2.083 χ^2/NDF:3599.9/5

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

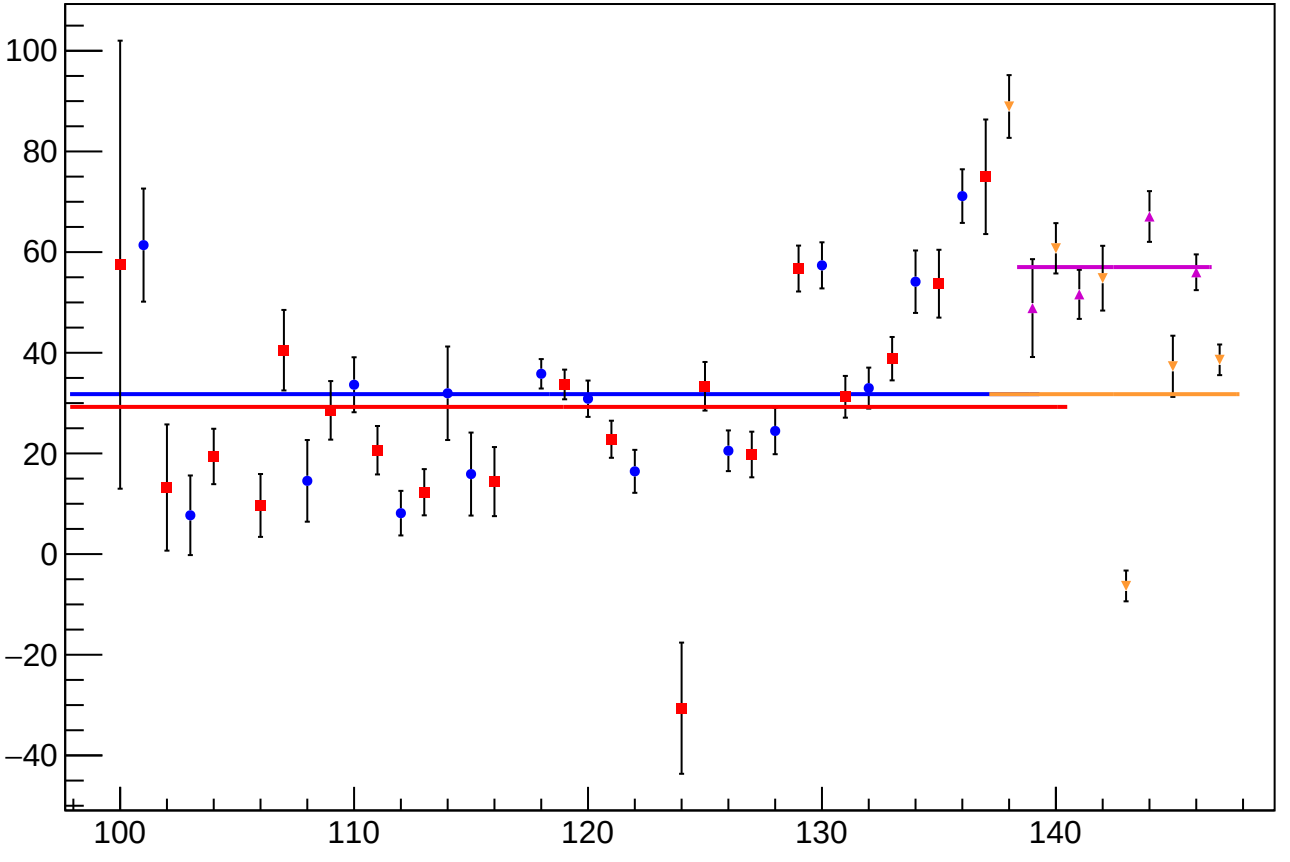
Left In: 268.219+/-2.767 χ^2/NDF:59.5/3

+ sign 191.643+/-1.037 χ^2/NDF: 5885.7/21

All: 197.366+/-0.742 χ^2/NDF: 10429.1/44

- sign 203.370+/-1.062 χ^2/NDF: 4481.1/22

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 31.774+/-1.736 χ^2/NDF:291.5/5

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

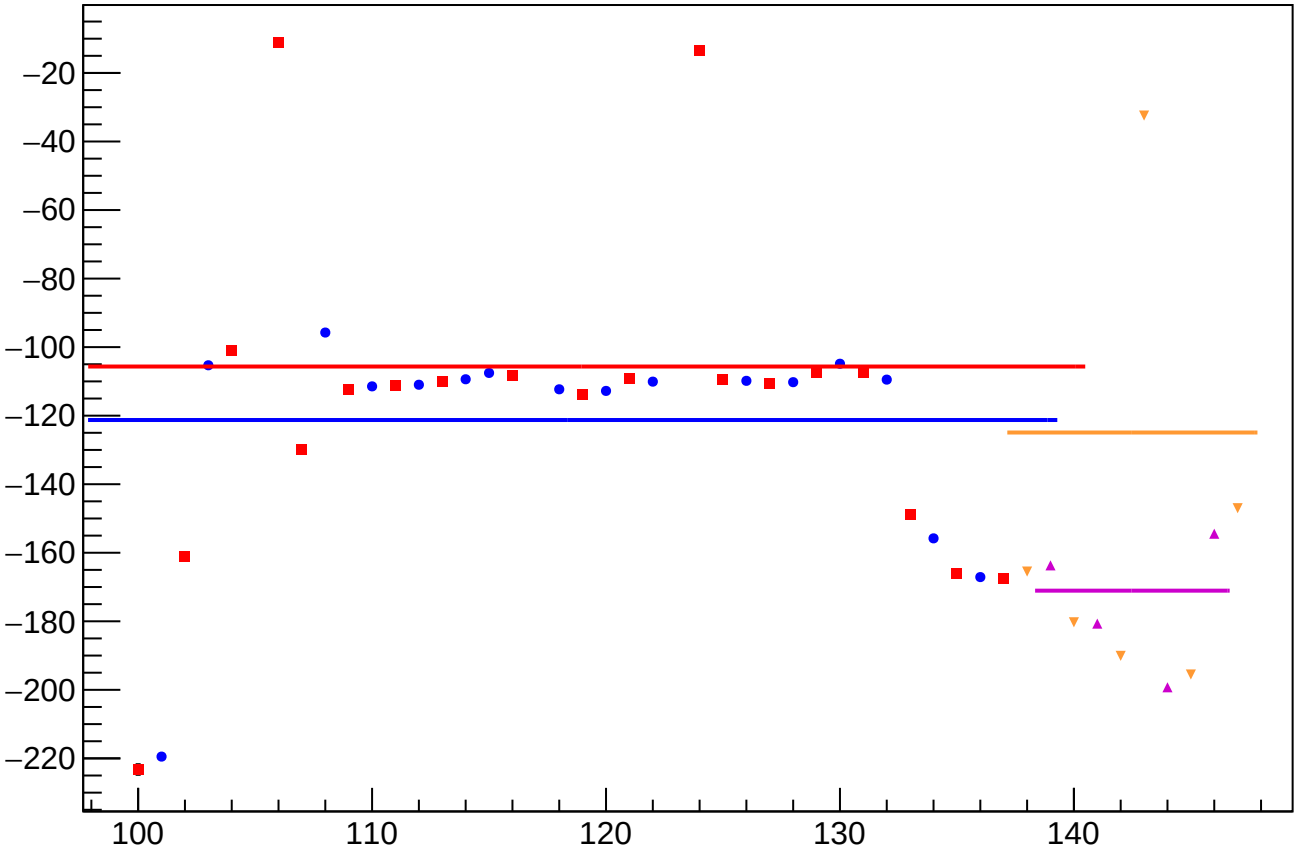
Left In: 57.026+/-2.417 χ^2/NDF:6.0/3

+ sign 31.780+/-0.996 χ^2/NDF: 468.5/21

All: 33.139+/-0.730 χ^2/NDF: 725.6/44

- sign 34.714+/-1.072 χ^2/NDF: 253.0/22

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -124.915+/-0.088 χ^2/NDF:584590.9/5

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

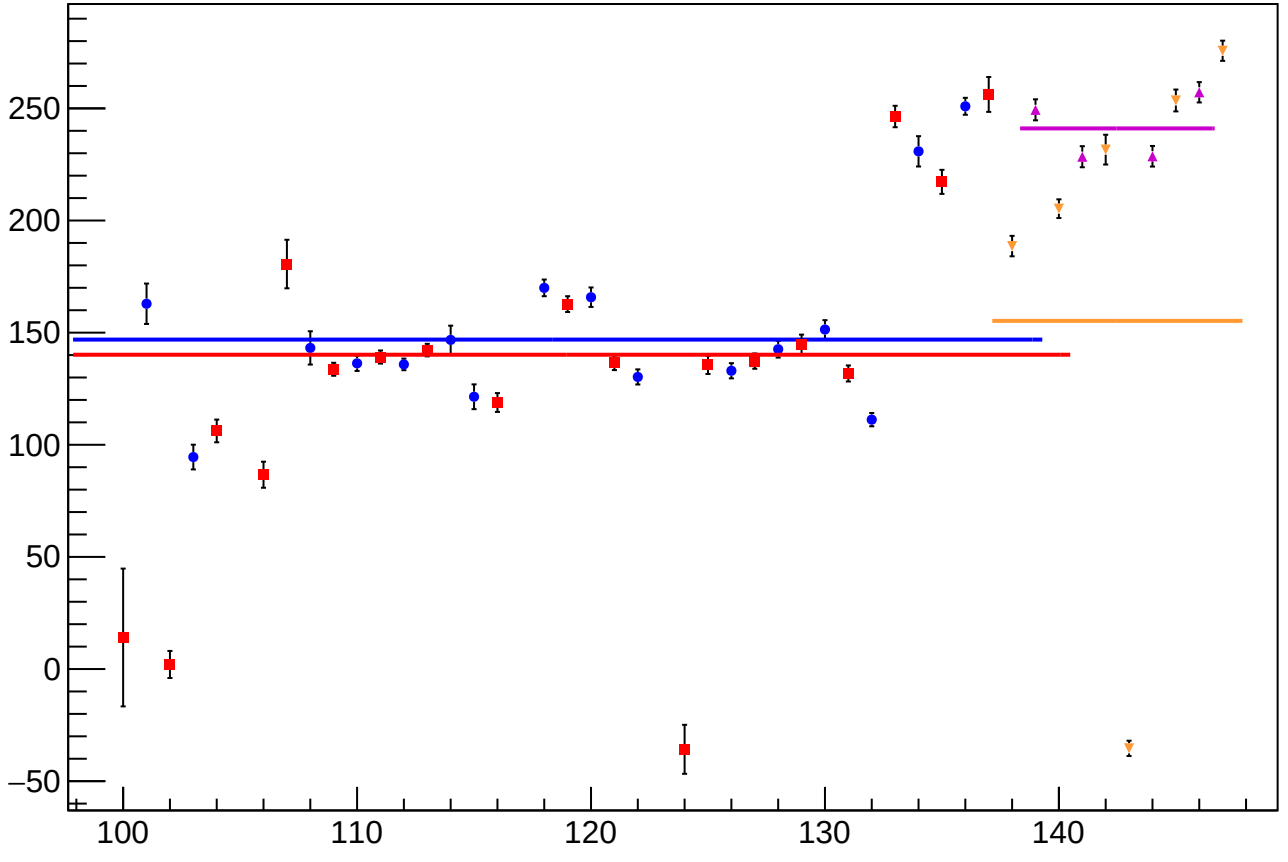
Left In: -171.061+/-0.113 χ^2/NDF:20416.8/3

+ sign -122.906+/-0.059 χ^2/NDF: 704940.9/21

All: -124.143+/-0.043 χ^2/NDF: 1314288.0/44

- sign -125.533+/-0.062 χ^2/NDF: 608406.9/22

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 155.249+/-1.809 χ^2/NDF:4562.3/5

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

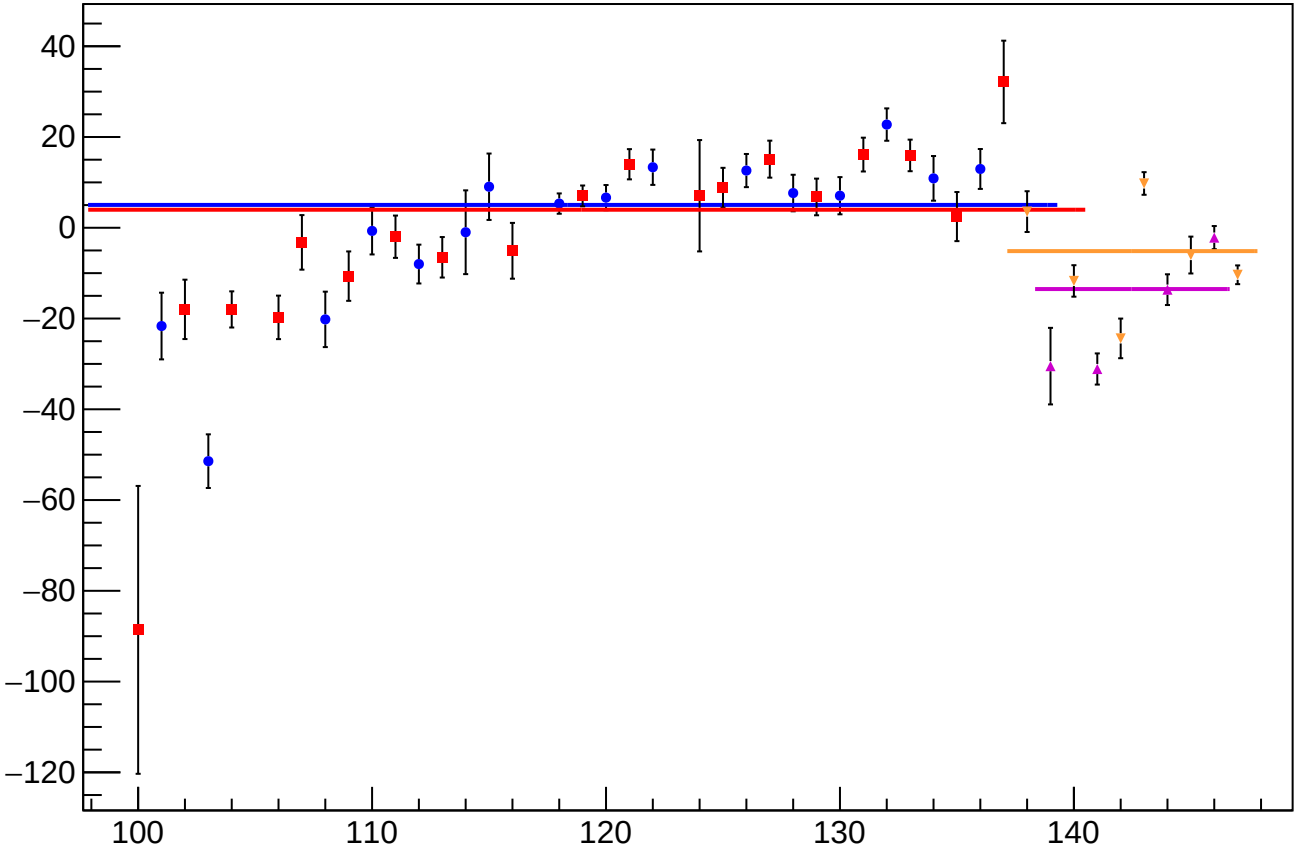
Left In: 241.068+/-2.313 χ^2/NDF:30.3/3

+ sign 148.868+/-0.877 χ^2/NDF: 5880.6/21

All: 151.894+/-0.624 χ^2/NDF: 9509.4/44

- sign 154.984+/-0.887 χ^2/NDF: 3604.8/22

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -5.145+/-1.249 χ^2/NDF:68.9/5

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

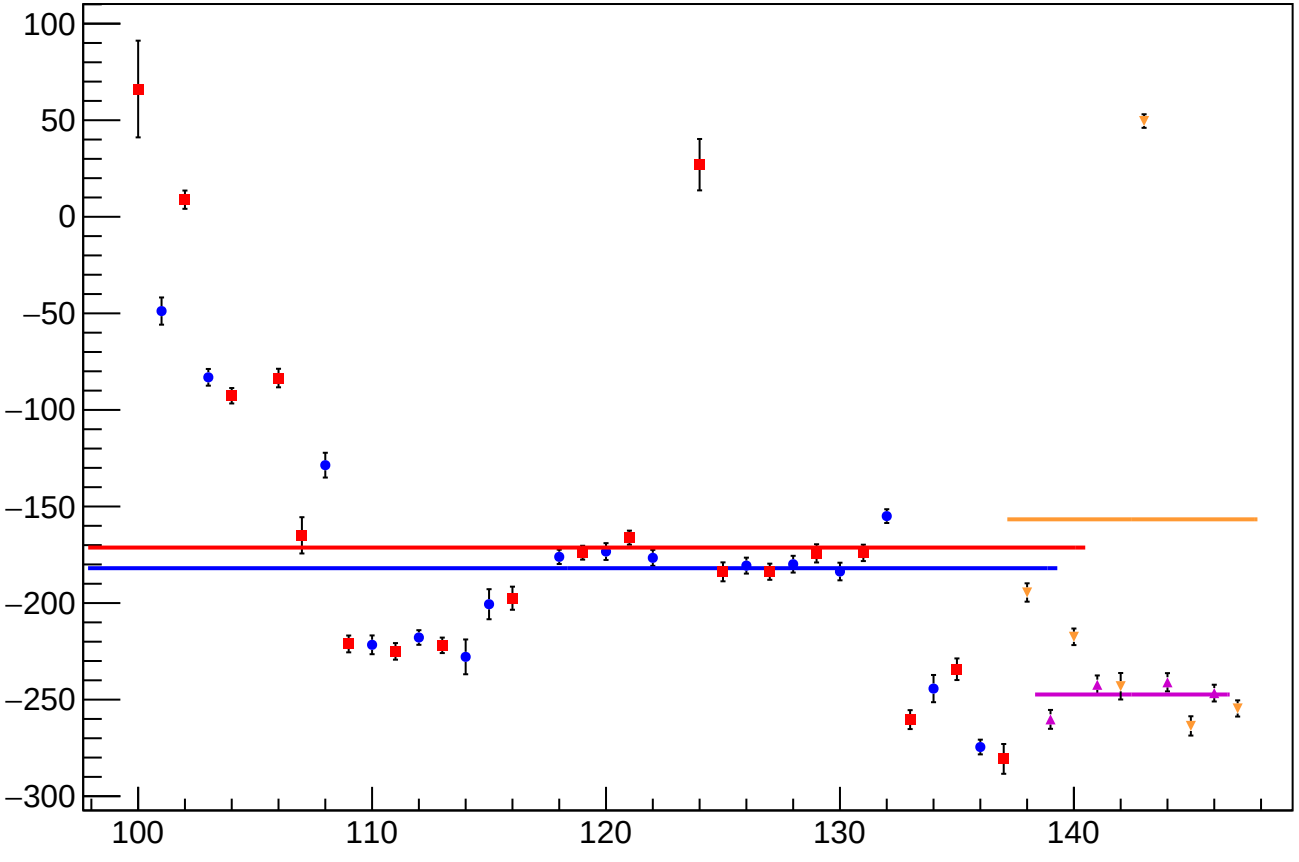
Left In: -13.505+/-1.715 χ^2/NDF:50.2/3

+ sign 0.961+/-0.791 χ^2/NDF: 280.6/21

All: 0.284+/-0.586 χ^2/NDF: 554.3/44

- sign -0.538+/-0.872 χ^2/NDF: 272.1/22

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -156.648+/-1.833 χ^2/NDF:4866.1/5

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

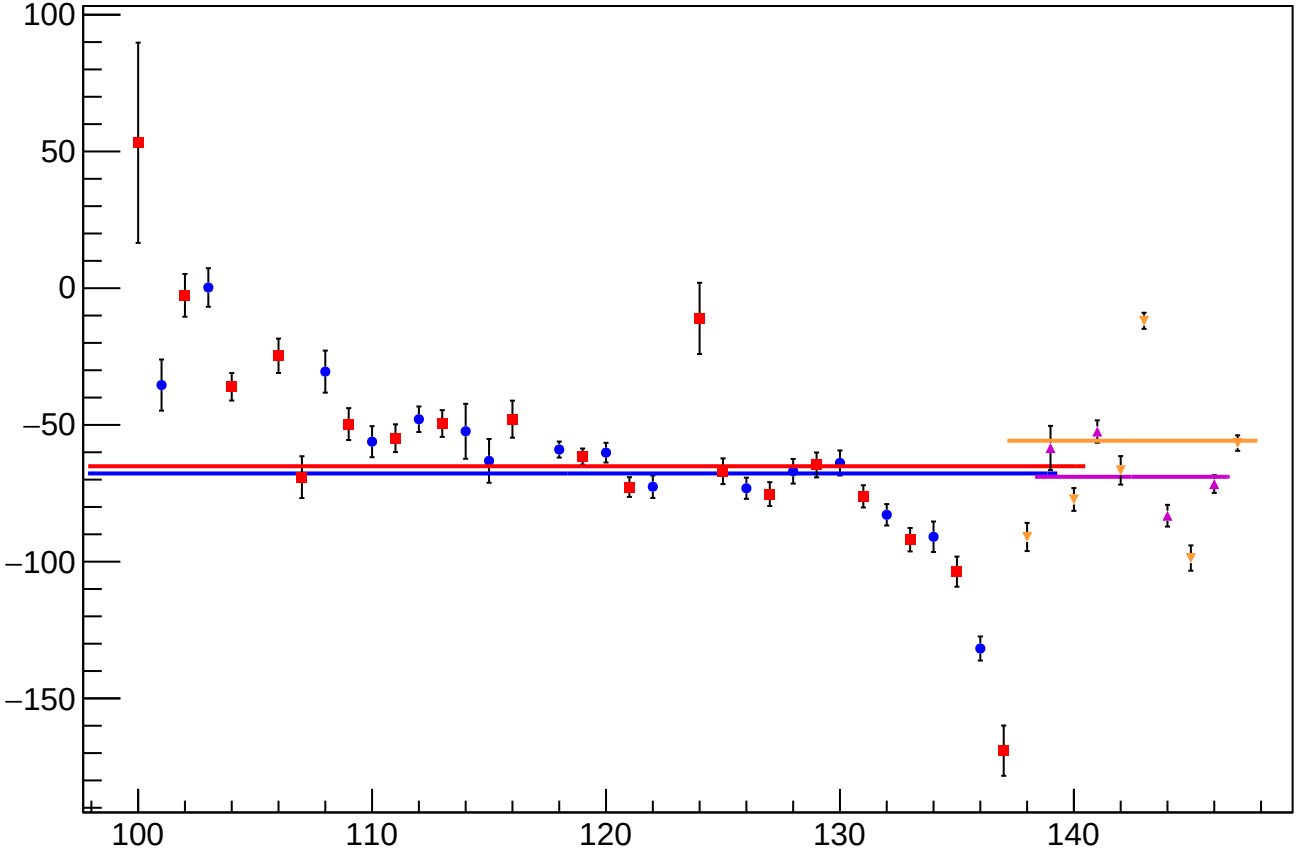
Left In: -247.343+/-2.339 χ^2/NDF:9.9/3

+ sign -174.765+/-0.977 χ^2/NDF: 6873.0/21

All: -179.873+/-0.700 χ^2/NDF: 11430.6/44

- sign -185.269+/-1.004 χ^2/NDF: 4501.3/22

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -55.762+/-1.545 χ^2/NDF:386.0/5

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

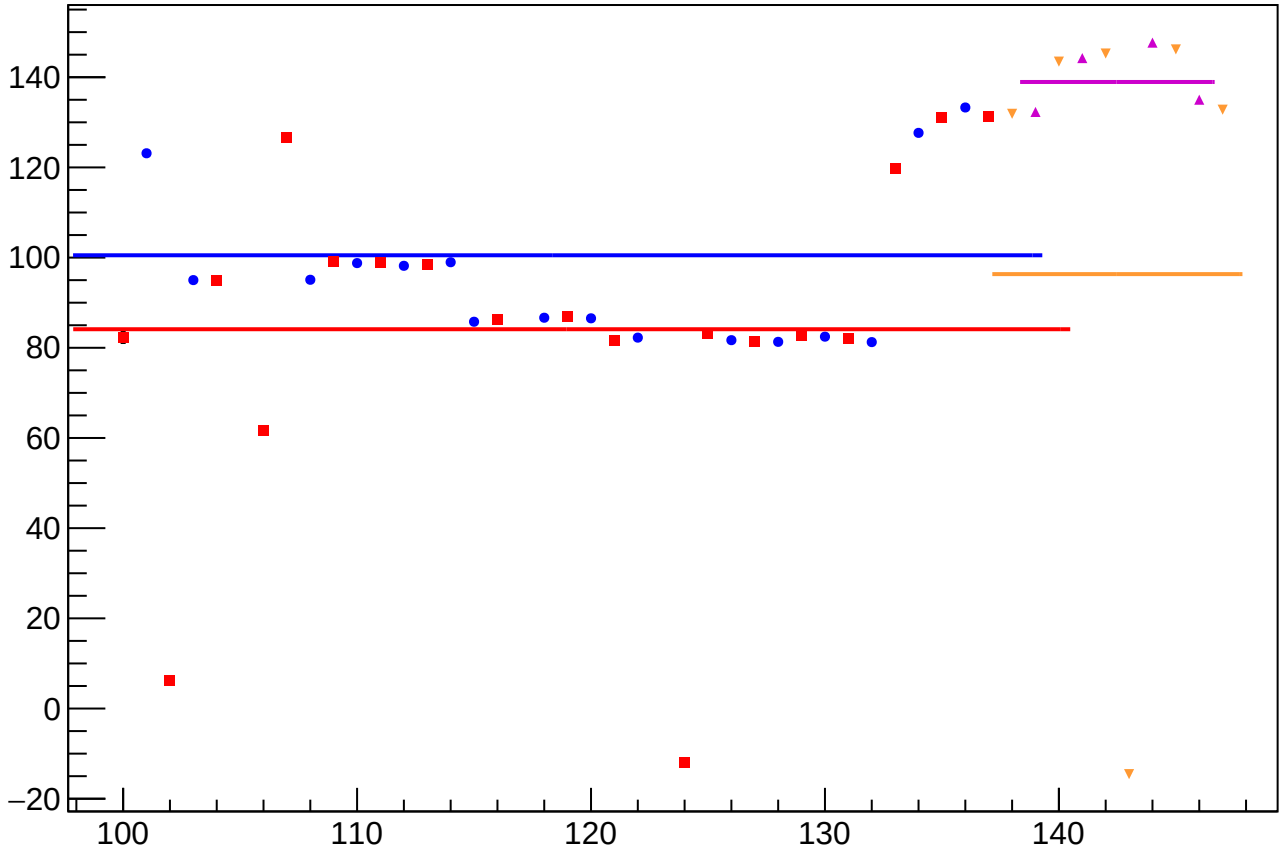
Left In: -68.974+/-2.069 χ^2/NDF:31.6/3

+ sign -63.327+/-0.938 χ^2/NDF: 838.0/21

All: -64.575+/-0.689 χ^2/NDF: 1305.2/44

- sign -66.038+/-1.016 χ^2/NDF: 463.3/22

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 96.338+/-0.077 χ^2/NDF:804351.4/5

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

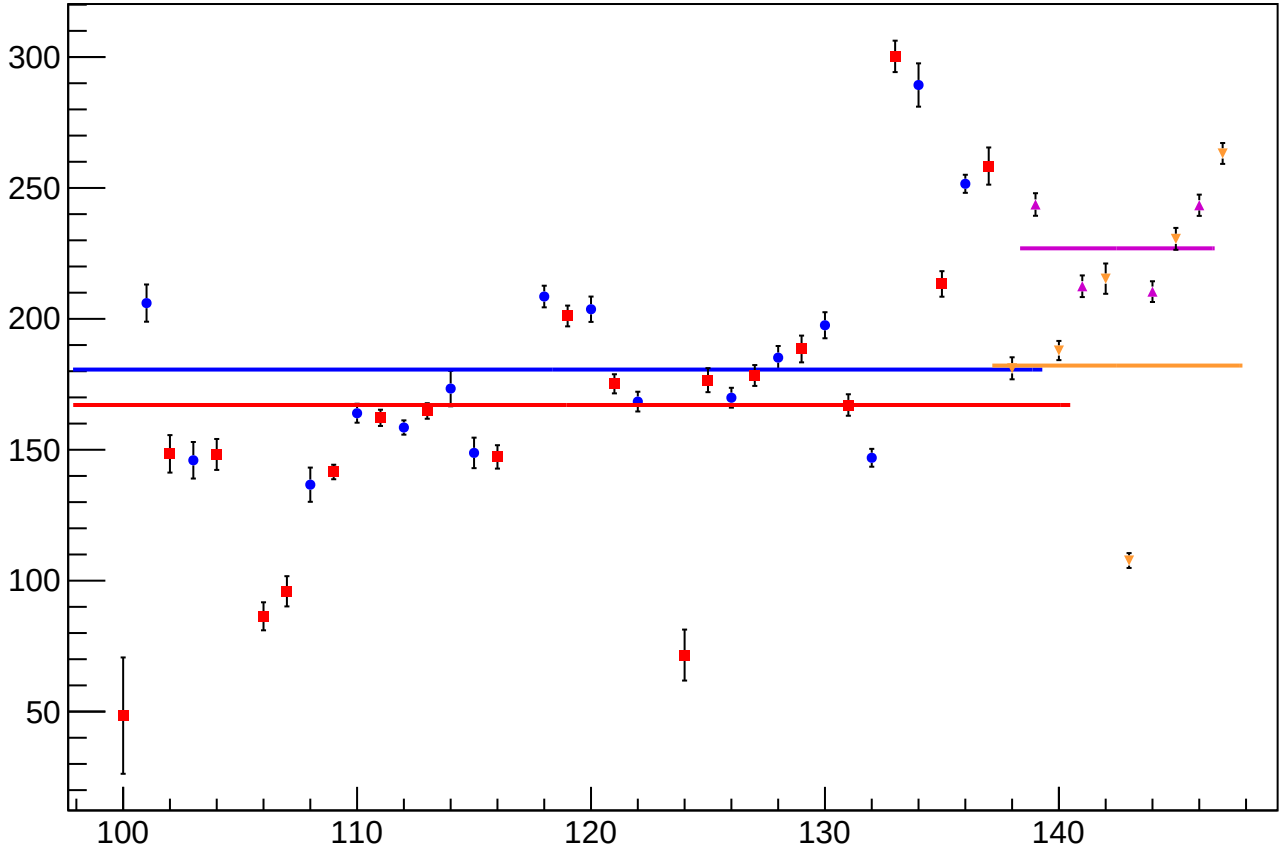
Left In: 138.947+/-0.096 χ^2/NDF:4319.2/3

+ sign 98.511+/-0.053 χ^2/NDF: 873348.1/21

All: 100.638+/-0.039 χ^2/NDF: 1360823.1/44

- sign 102.986+/-0.056 χ^2/NDF: 484130.5/22

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: 182.163+/-1.572 χ^2/NDF:1268.6/5

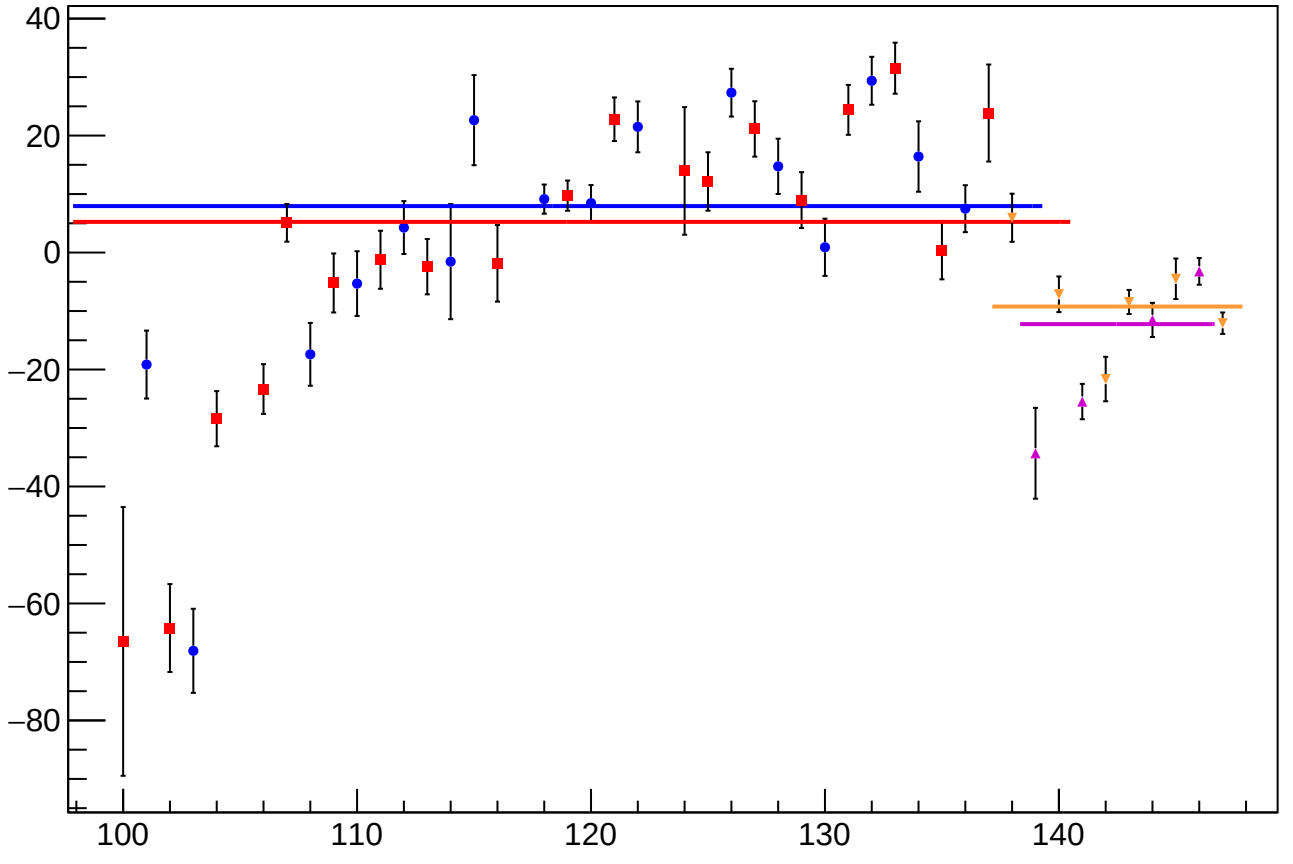
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 180.059+/-0.640 χ^2/NDF: 4491.3/44

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

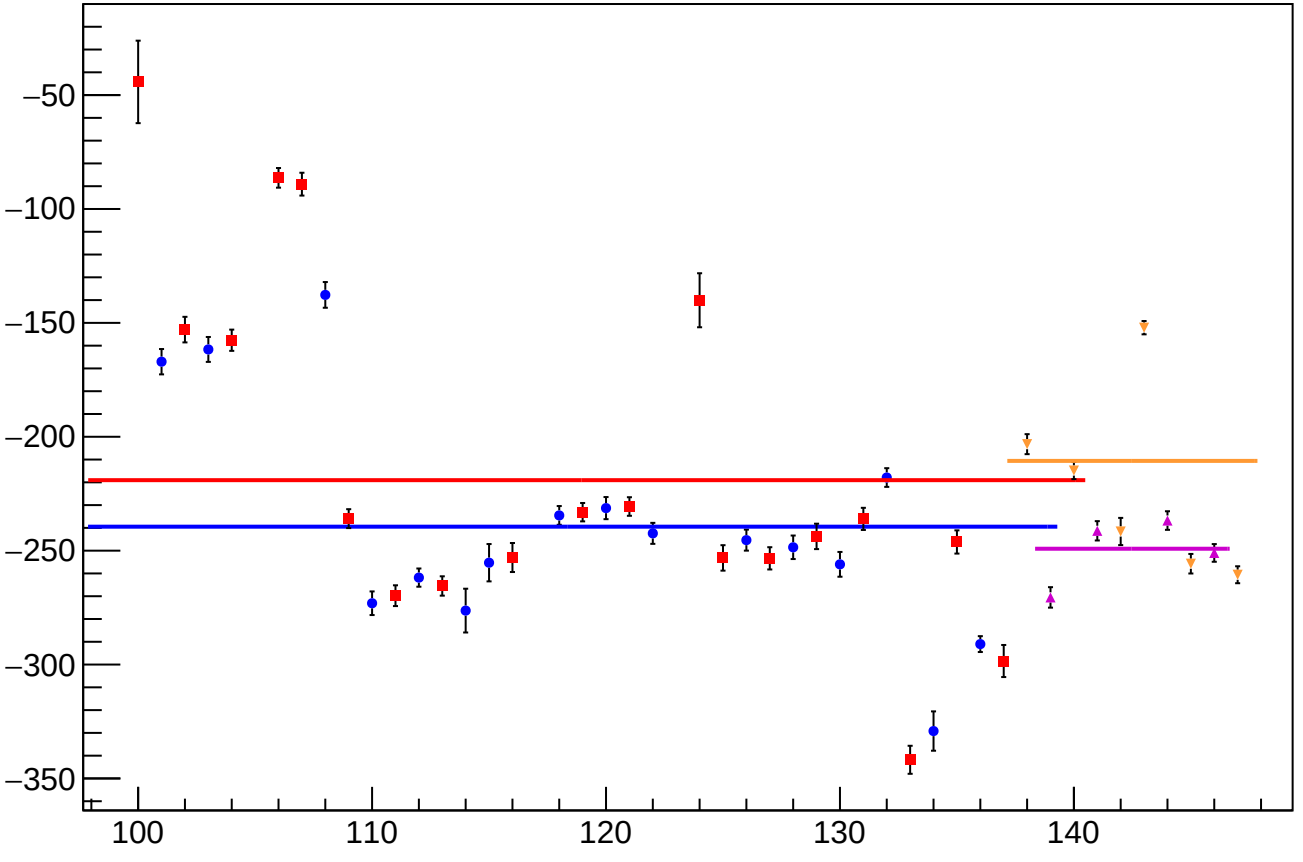
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -0.720+/-0.579 χ^2/NDF: 819.7/44

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22

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: -210.593+/-1.593 χ^2/NDF:722.6/5

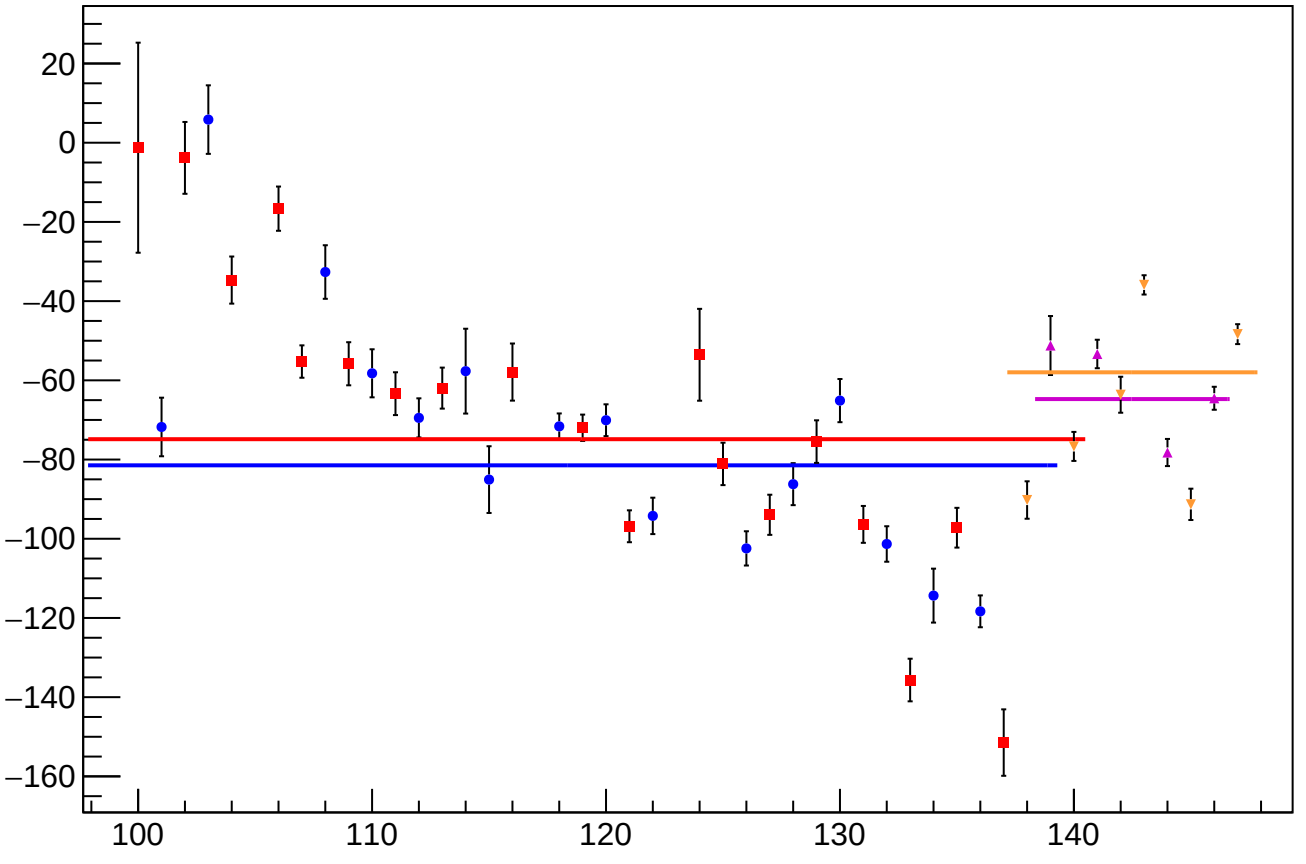
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

+ sign -228.515+/-0.981 χ^2/NDF: 2088.7/21

All: -227.481+/-0.708 χ^2/NDF: 5334.7/44

- sign -226.356+/-1.024 χ^2/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

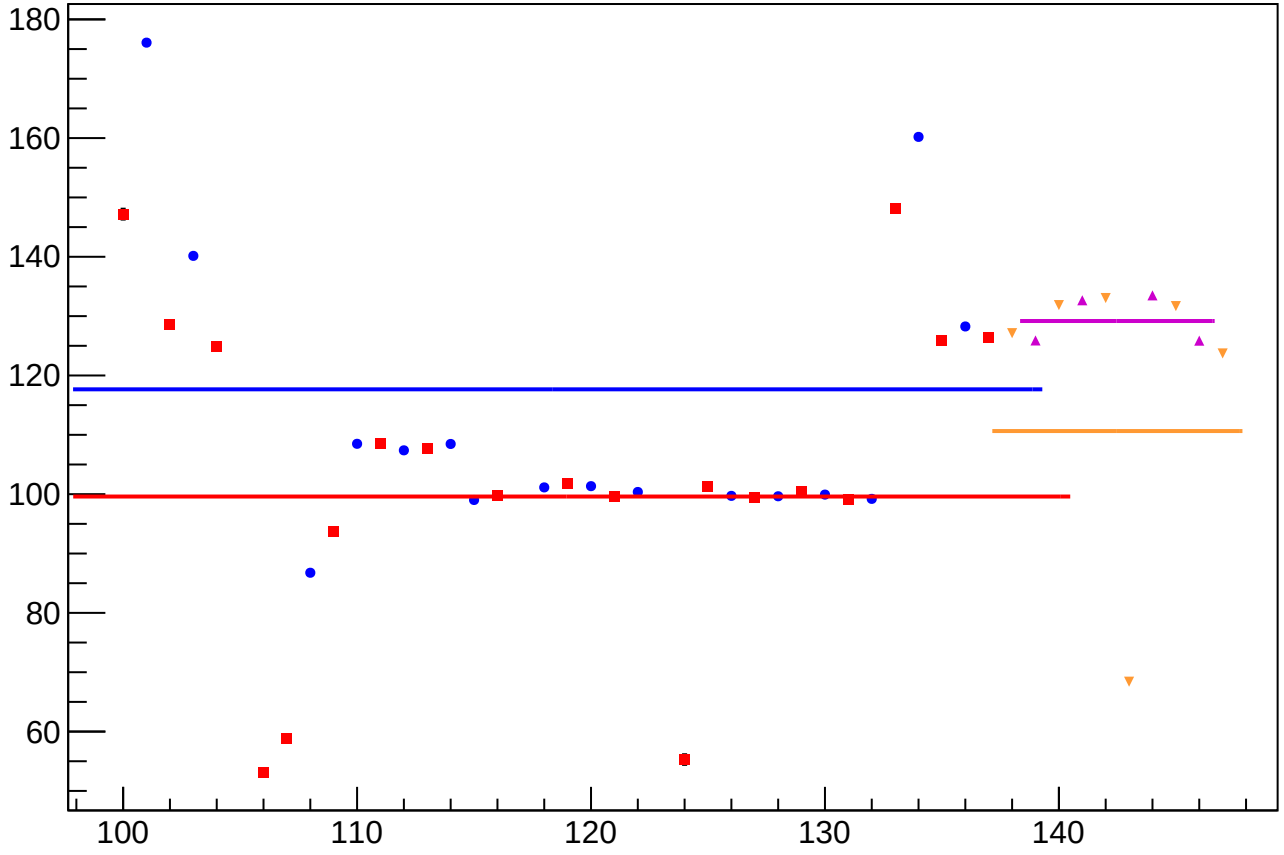
Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22

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: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

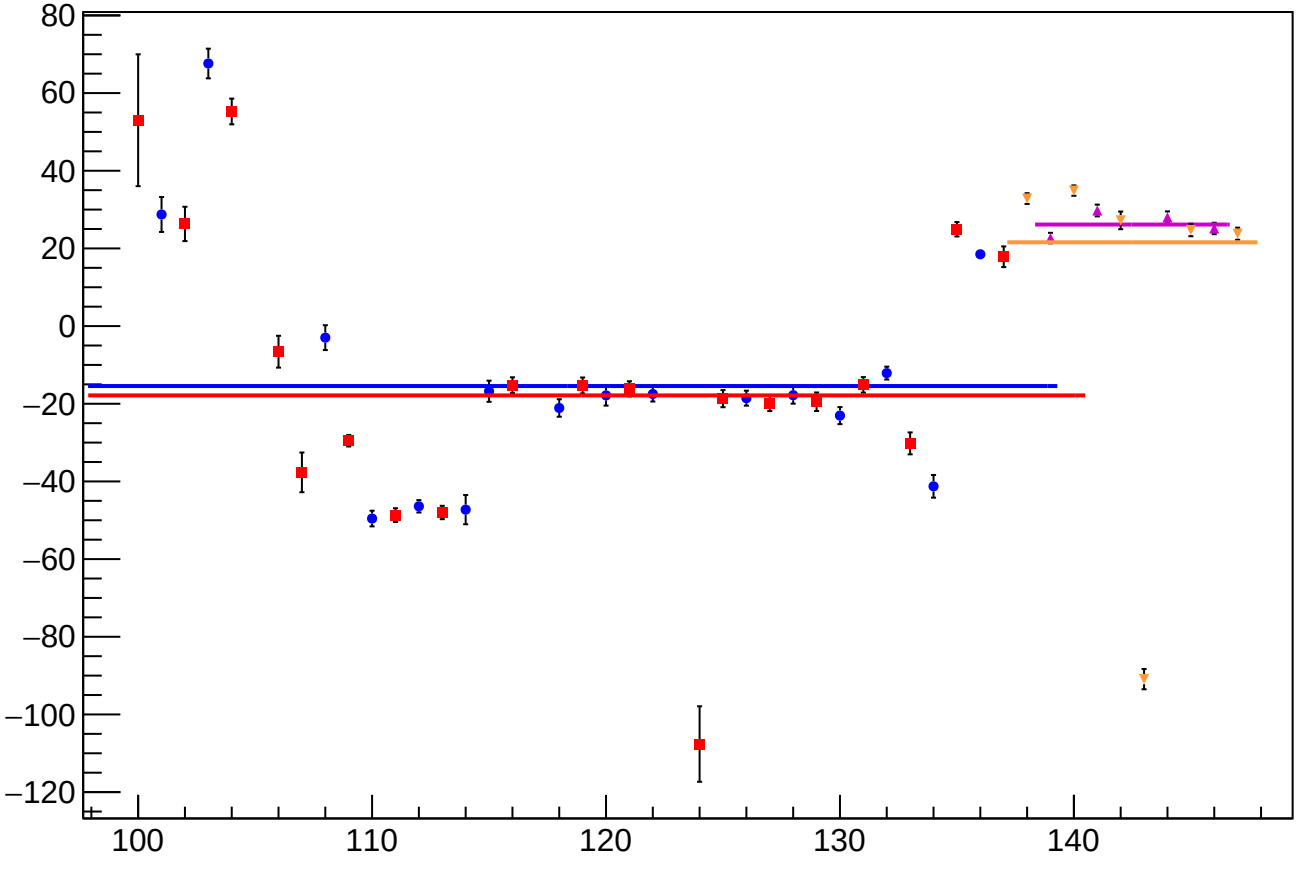
Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44

- sign 111.581+/-0.054 χ^2/NDF: 239670.7/22

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: 21.581+/-0.672 χ^2/NDF:2030.7/5

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

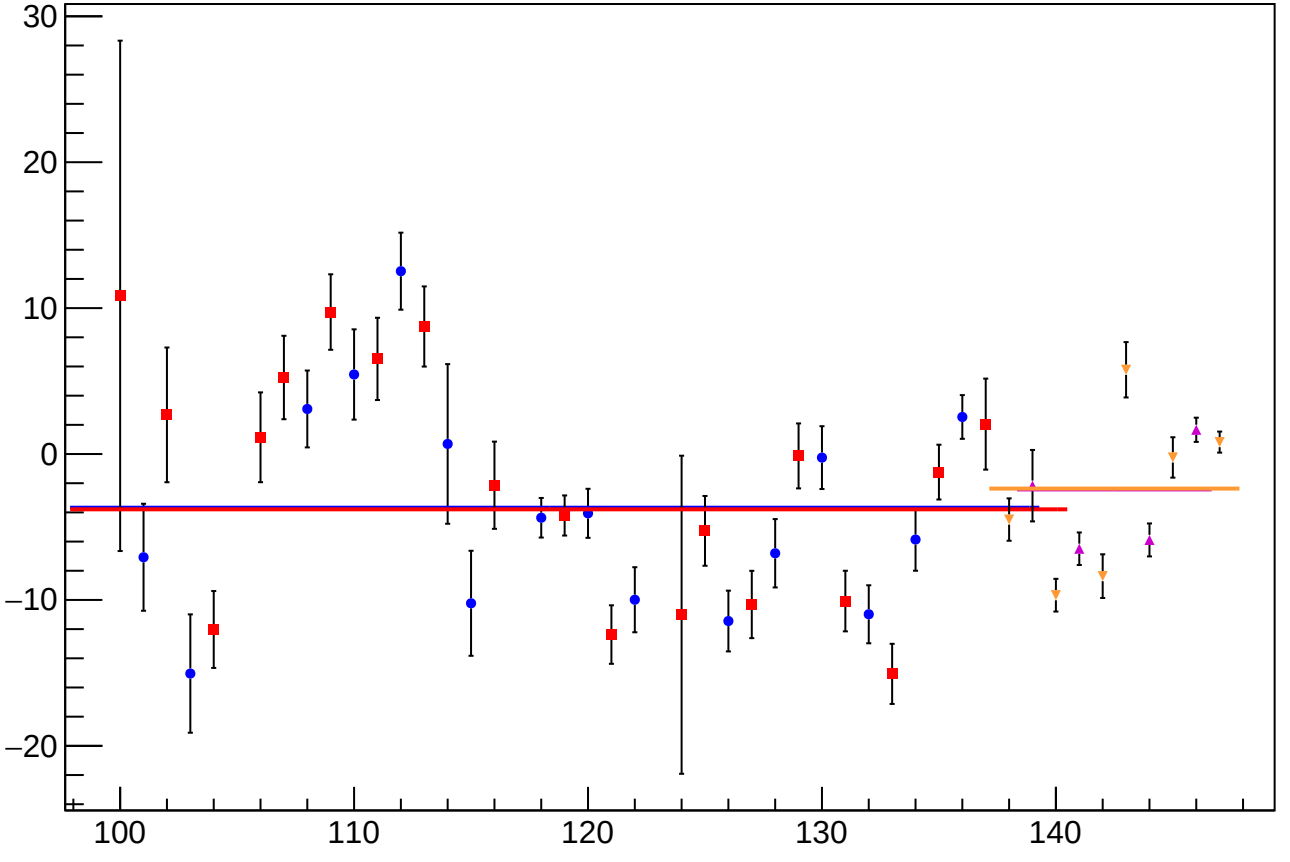
Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

\+ sign -0.948+/-0.421 χ^2/NDF: 6001.0/21

All: -1.815+/-0.300 χ^2/NDF: 10522.2/44

\- sign -2.718+/-0.429 χ^2/NDF: 4512.5/22

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: -2.368+/-0.475 χ^2/NDF:101.0/5

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

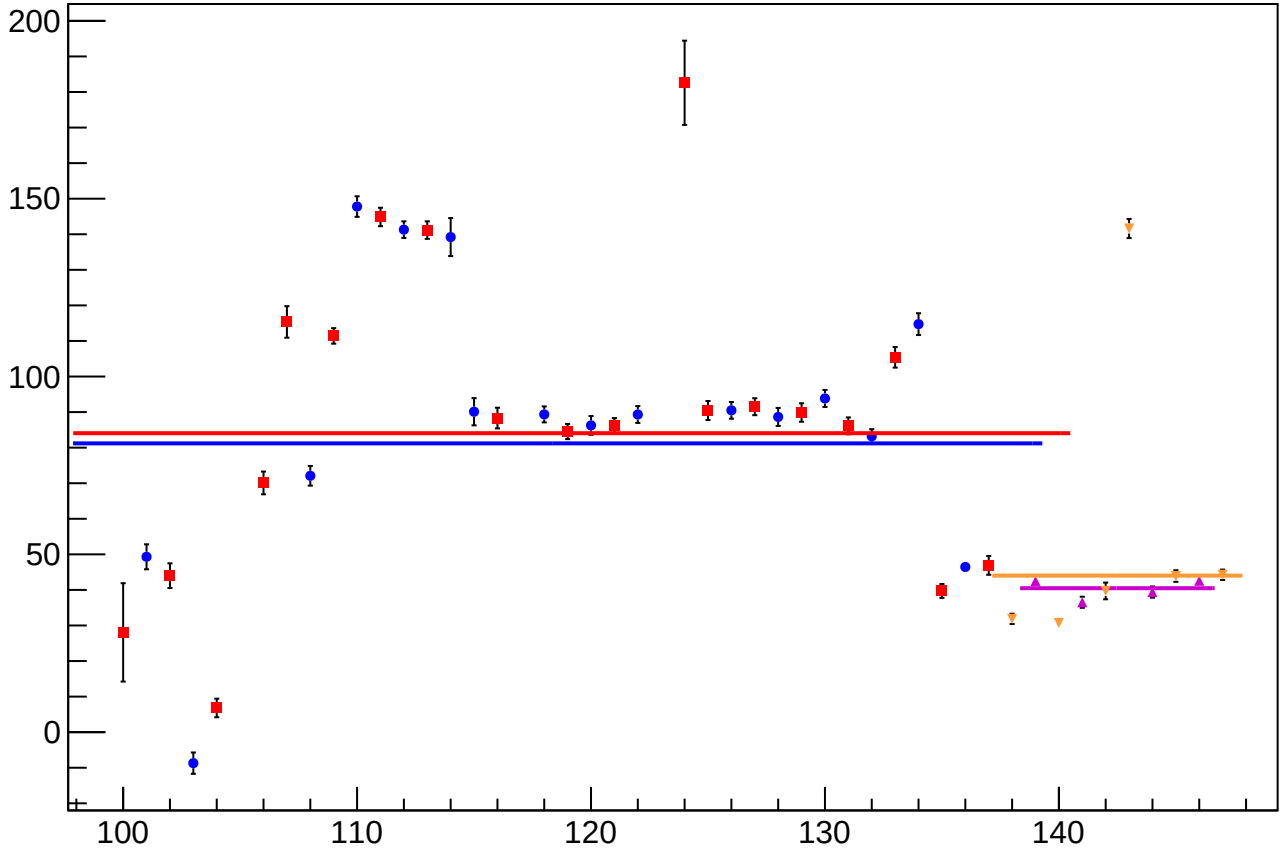
Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

+ sign -2.926+/-0.360 χ^2/NDF: 228.2/21

All: -3.005+/-0.267 χ^2/NDF: 439.5/44

- sign -3.101+/-0.397 χ^2/NDF: 211.2/22

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 44.019+/-0.679 χ^2/NDF:1486.8/5

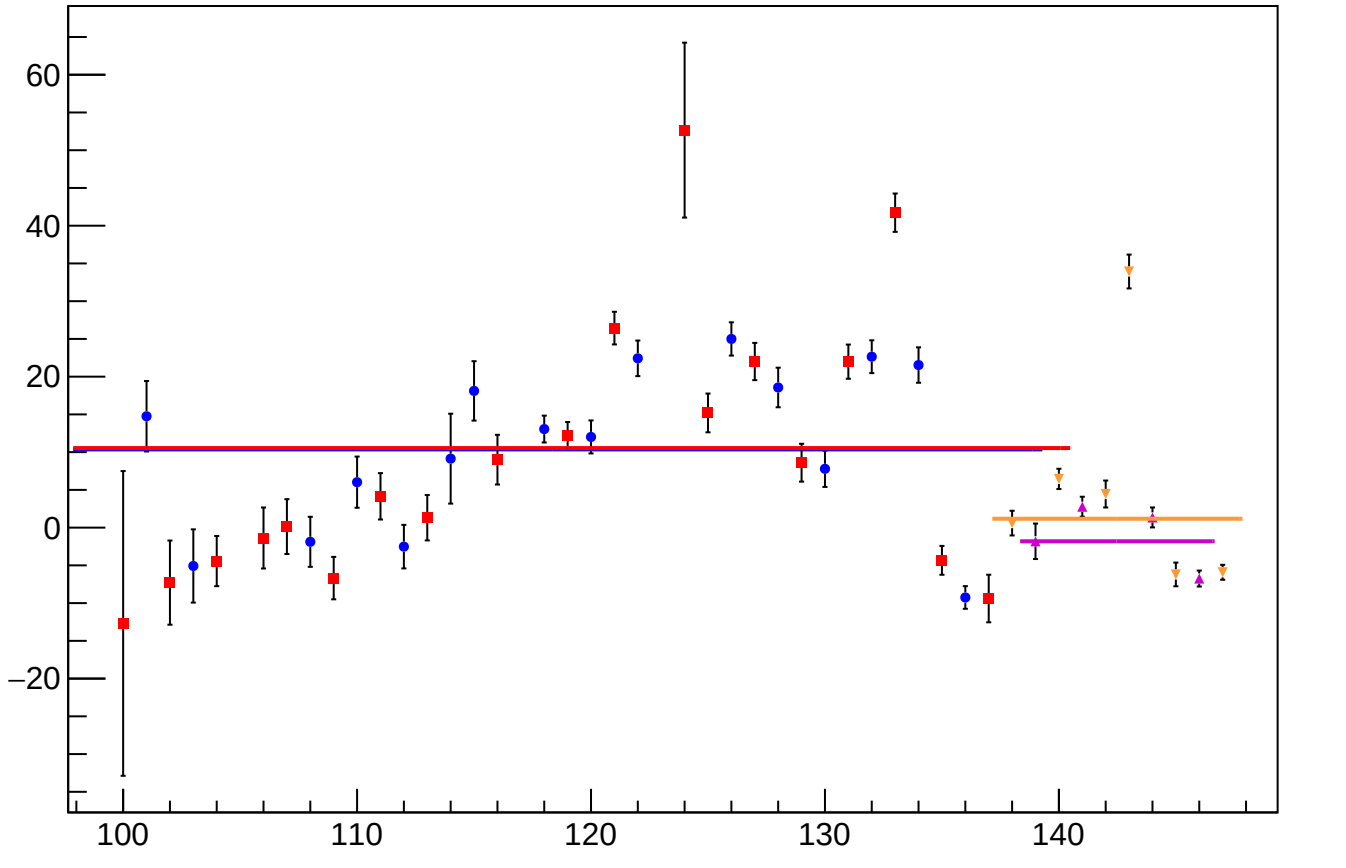
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

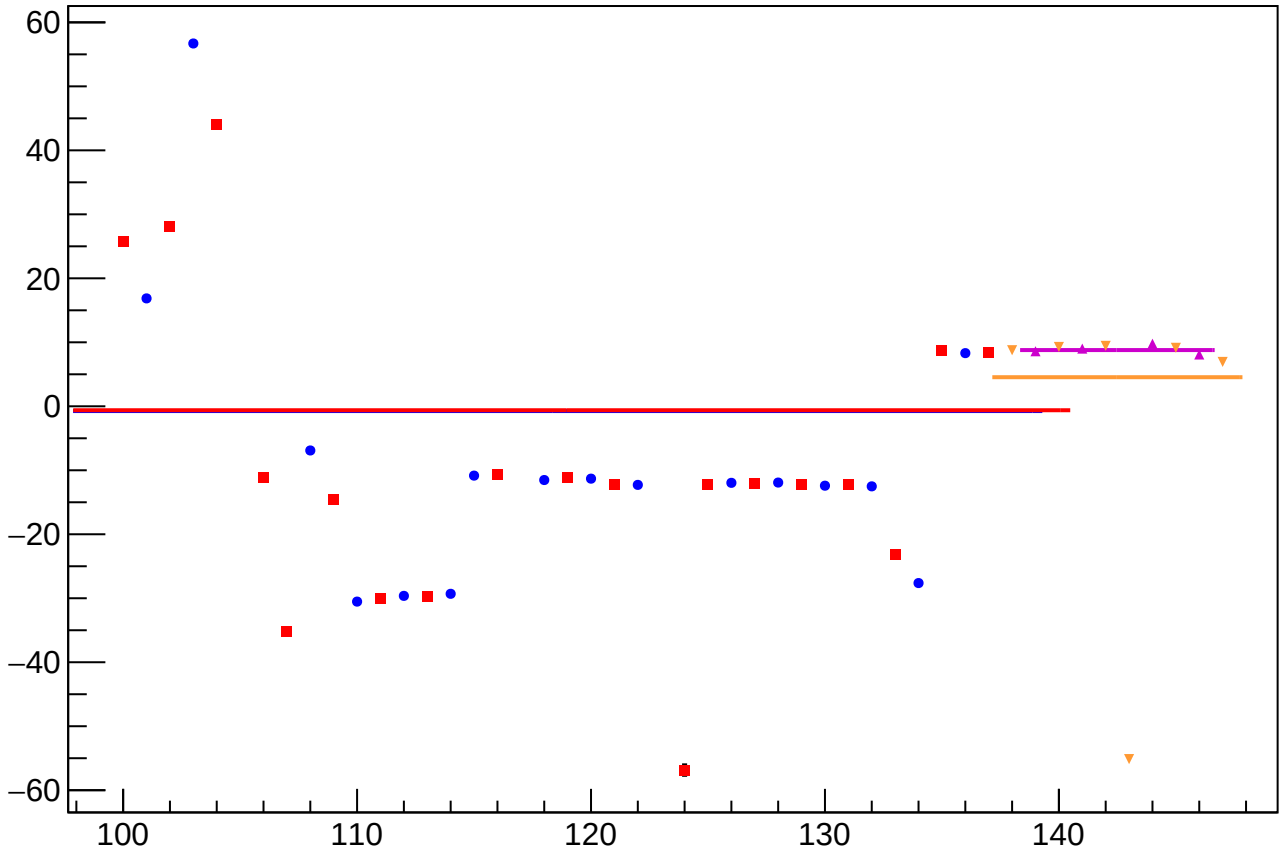
Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

+ sign 64.688+/-0.453 χ^2/NDF: 6383.8/21

All: 65.433+/-0.327 χ^2/NDF: 11651.5/44

- sign 66.250+/-0.474 χ^2/NDF: 5262.1/22


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.178+/-0.590 χ²/NDF:306.2/5
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.809+/-0.671 χ²/NDF:39.6/3
+ sign 5.497+/-0.430 χ²/NDF: 780.0/21
All: 5.107+/-0.315 χ²/NDF: 1469.4/44
- sign 4.653+/-0.463 χ²/NDF: 687.6/22



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

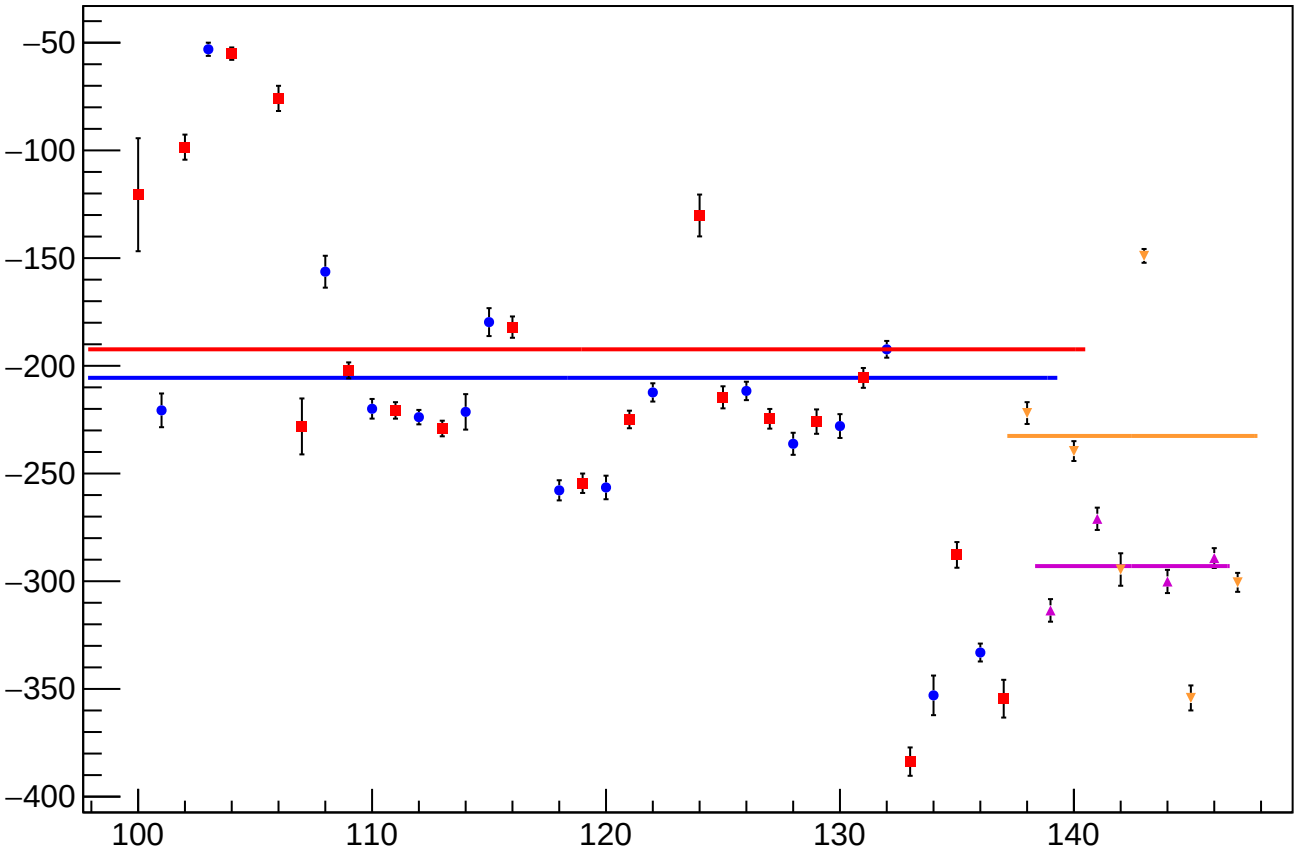
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

+ sign 2.512+/-0.022 χ^2/NDF: 687113.1/21

All: 3.744+/-0.016 χ^2/NDF: 1049020.1/44

- sign 5.103+/-0.023 χ^2/NDF: 355451.8/22



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -232.556+/-1.883 χ^2/NDF:1430.2/5

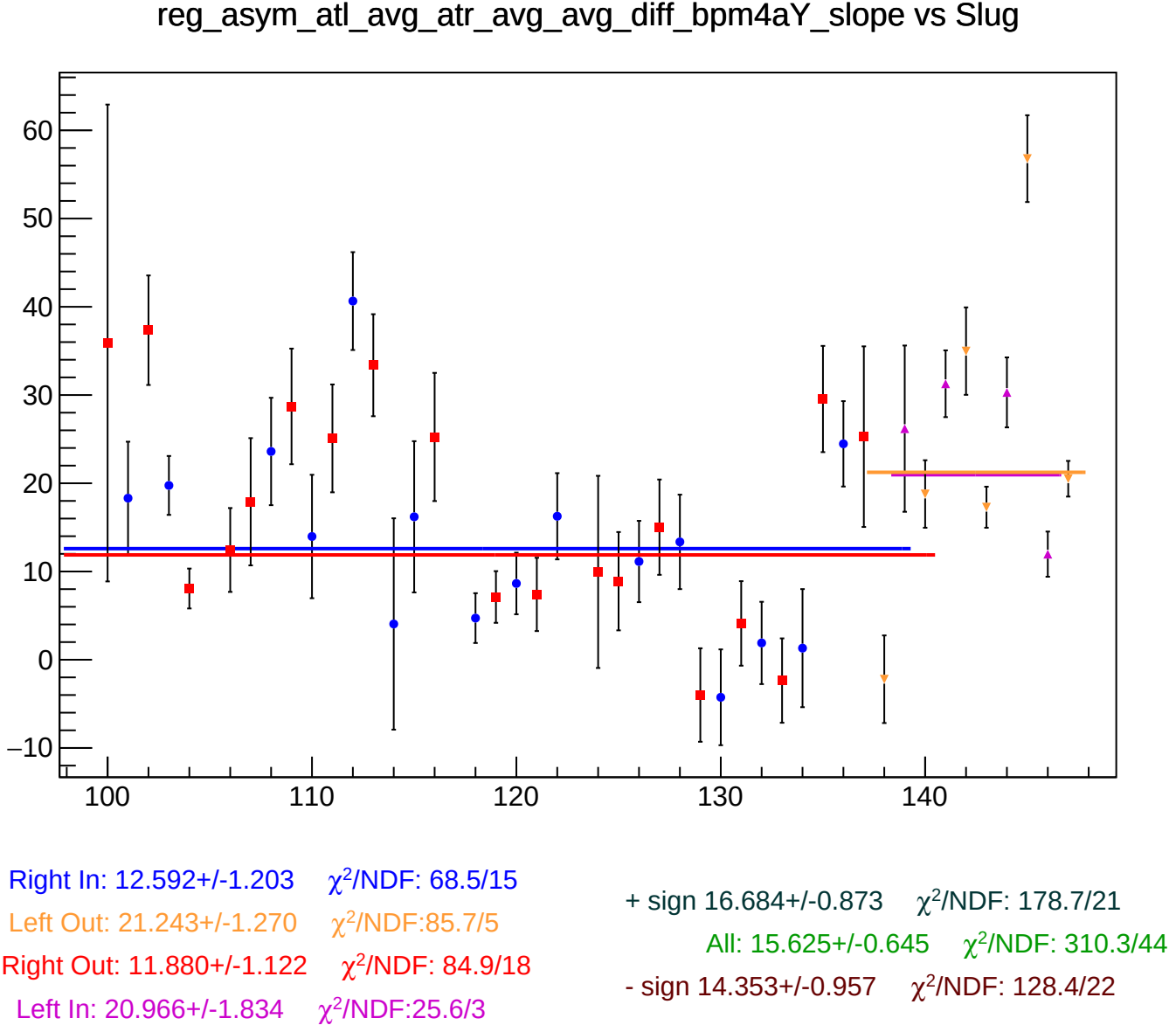
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.970+/-2.537 χ^2/NDF:35.8/3

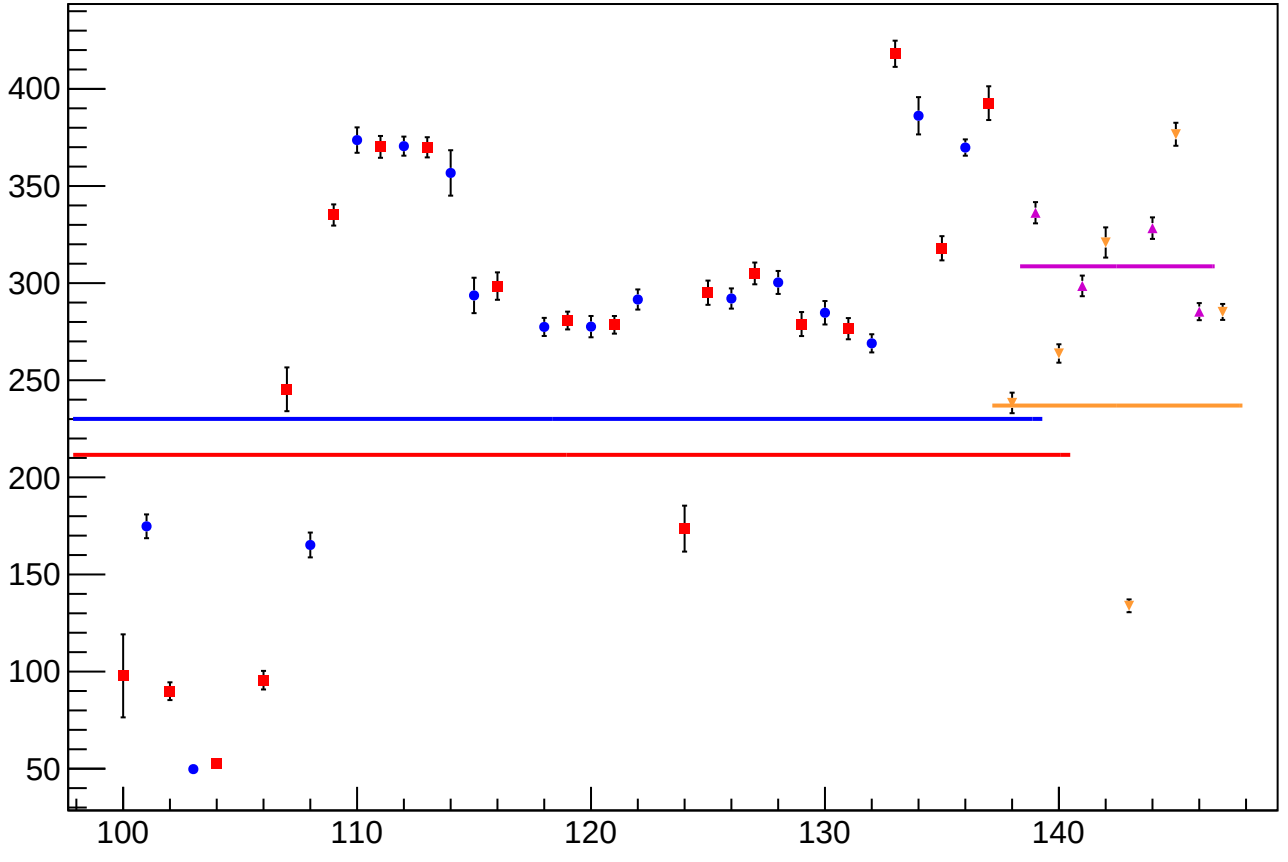
+ sign -213.230+/-1.003 χ^2/NDF: 5633.4/21

All: -211.074+/-0.717 χ^2/NDF: 11963.7/44

- sign -208.815+/-1.027 χ^2/NDF: 6320.9/22


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 21.243+/-1.270 χ²/NDF:85.7/5
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 20.966+/-1.834 χ²/NDF:25.6/3
+ sign 16.684+/-0.873 χ²/NDF: 178.7/21
All: 15.625+/-0.645 χ²/NDF: 310.3/44
- sign 14.353+/-0.957 χ²/NDF: 128.4/22

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: 236.971+/-1.901 χ^2/NDF:1819.7/5

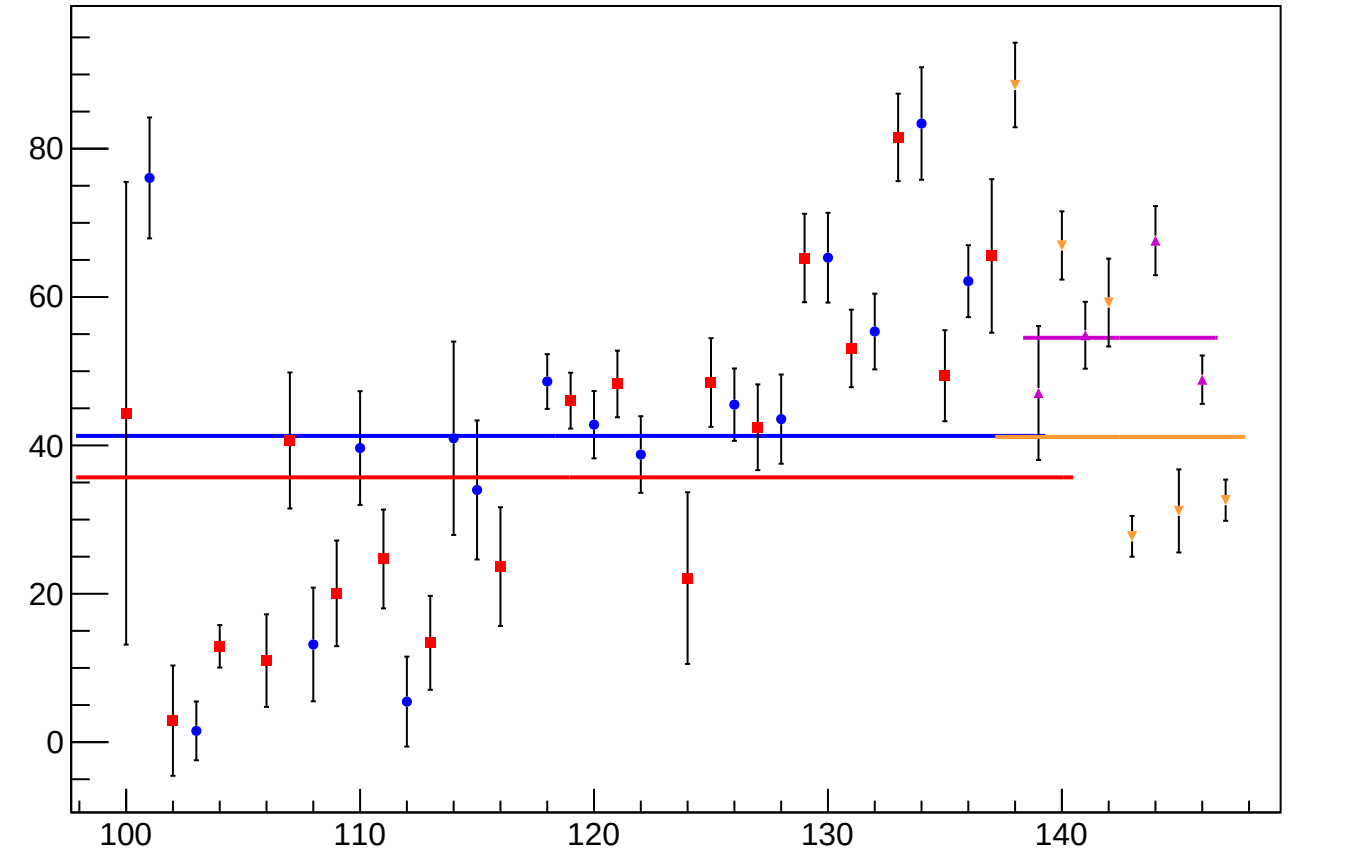
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 308.653+/-2.556 χ^2/NDF:69.7/3

+ sign 232.193+/-1.050 χ^2/NDF: 11204.4/21

All: 230.647+/-0.754 χ^2/NDF: 23934.0/44

- sign 229.004+/-1.083 χ^2/NDF: 12725.1/22



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 41.143+/-1.580 χ^2/NDF:146.4/5

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

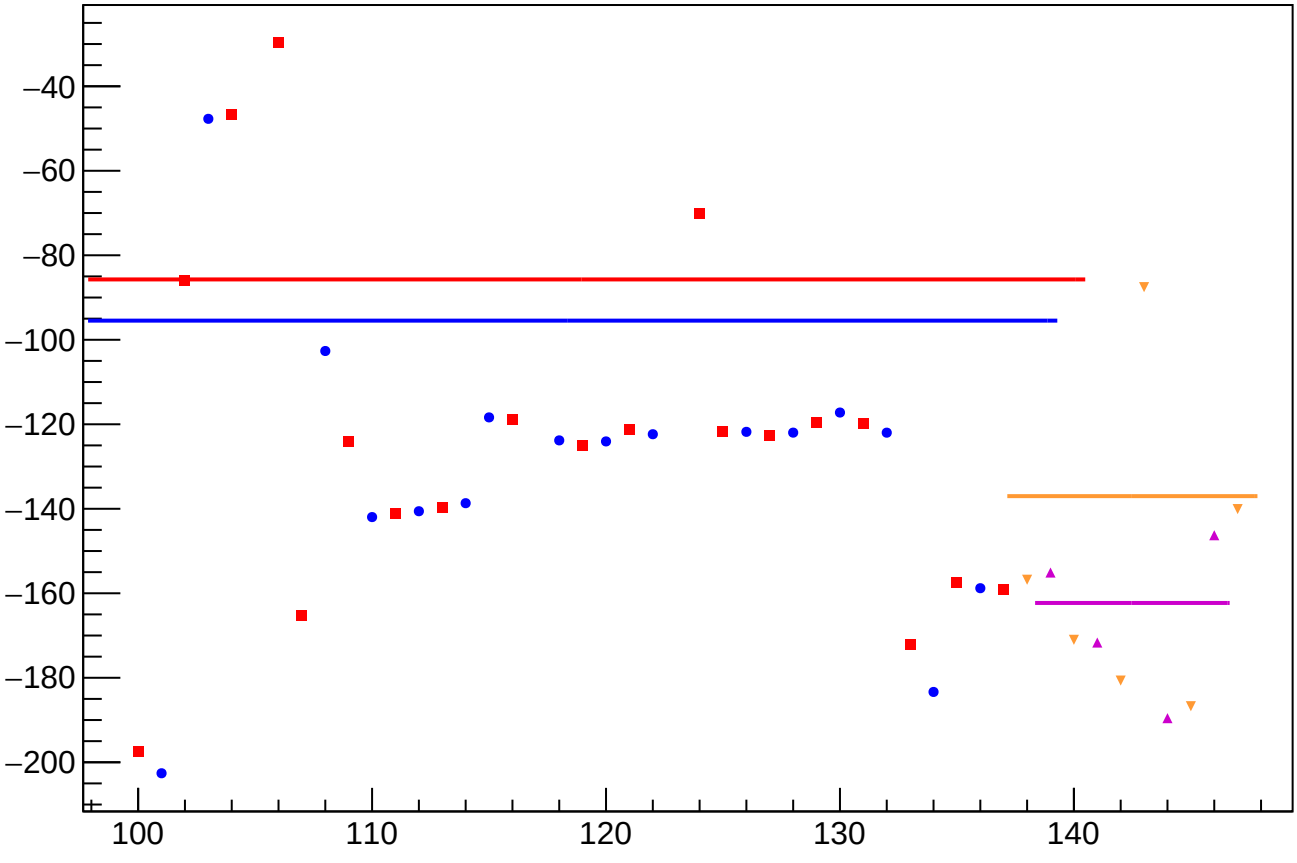
Left In: 54.505+/-2.228 χ^2/NDF:11.6/3

+ sign 41.221+/-1.047 χ^2/NDF: 392.2/21

All: 40.918+/-0.769 χ^2/NDF: 710.0/44

- sign 40.564+/-1.134 χ^2/NDF: 317.6/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.009+/-0.080 χ^2/NDF:228047.5/5

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

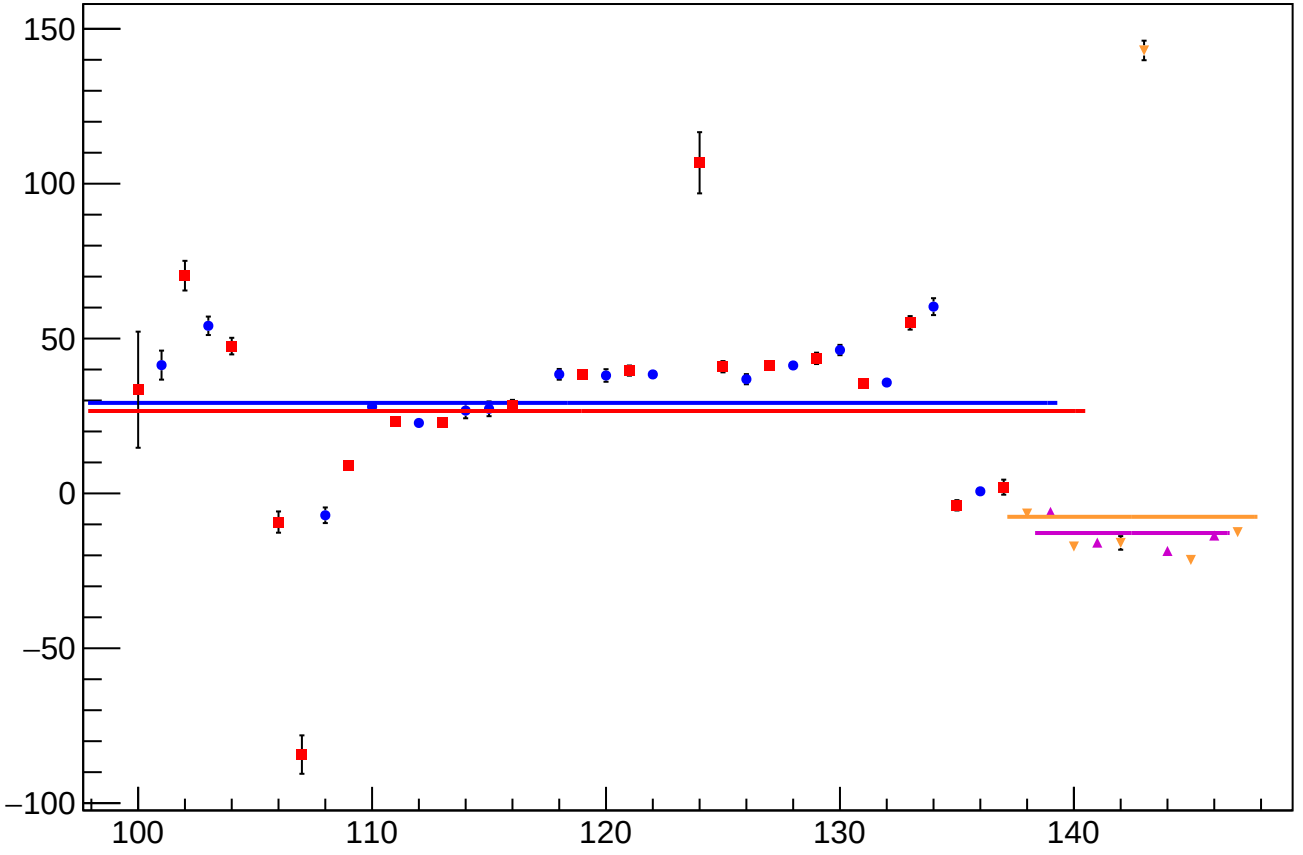
Left In: -162.290+/-0.105 χ^2/NDF:22420.1/3

+ sign -113.268+/-0.053 χ^2/NDF: 901296.9/21

All: -110.818+/-0.038 χ^2/NDF: 1791577.6/44

- sign -107.993+/-0.056 χ^2/NDF: 885591.2/22

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: -7.551+/-0.640 χ^2/NDF:2441.1/5

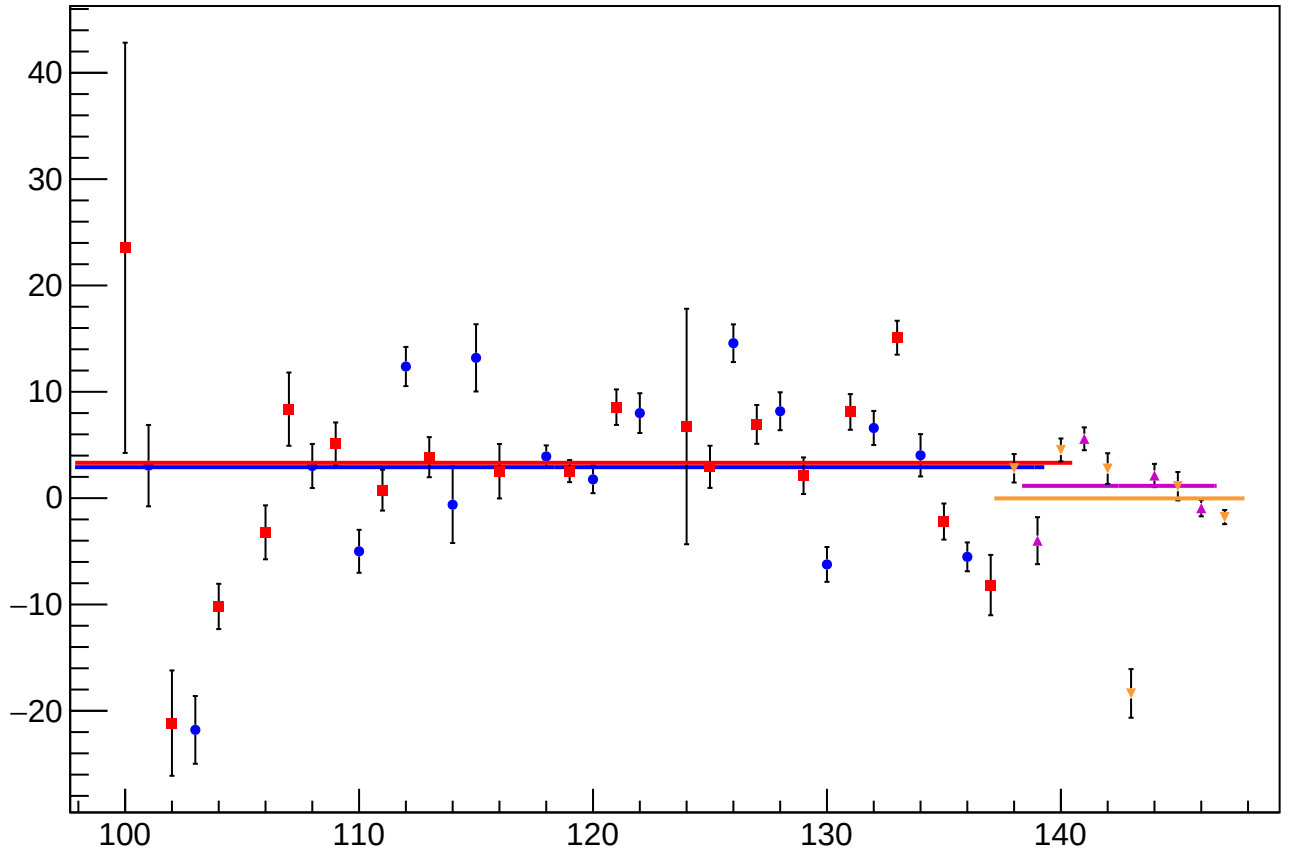
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

\+ sign 17.992+/-0.354 χ^2/NDF: 6079.9/21

All: 17.022+/-0.250 χ^2/NDF: 10493.4/44

\- sign 16.047+/-0.354 χ^2/NDF: 4398.4/22



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

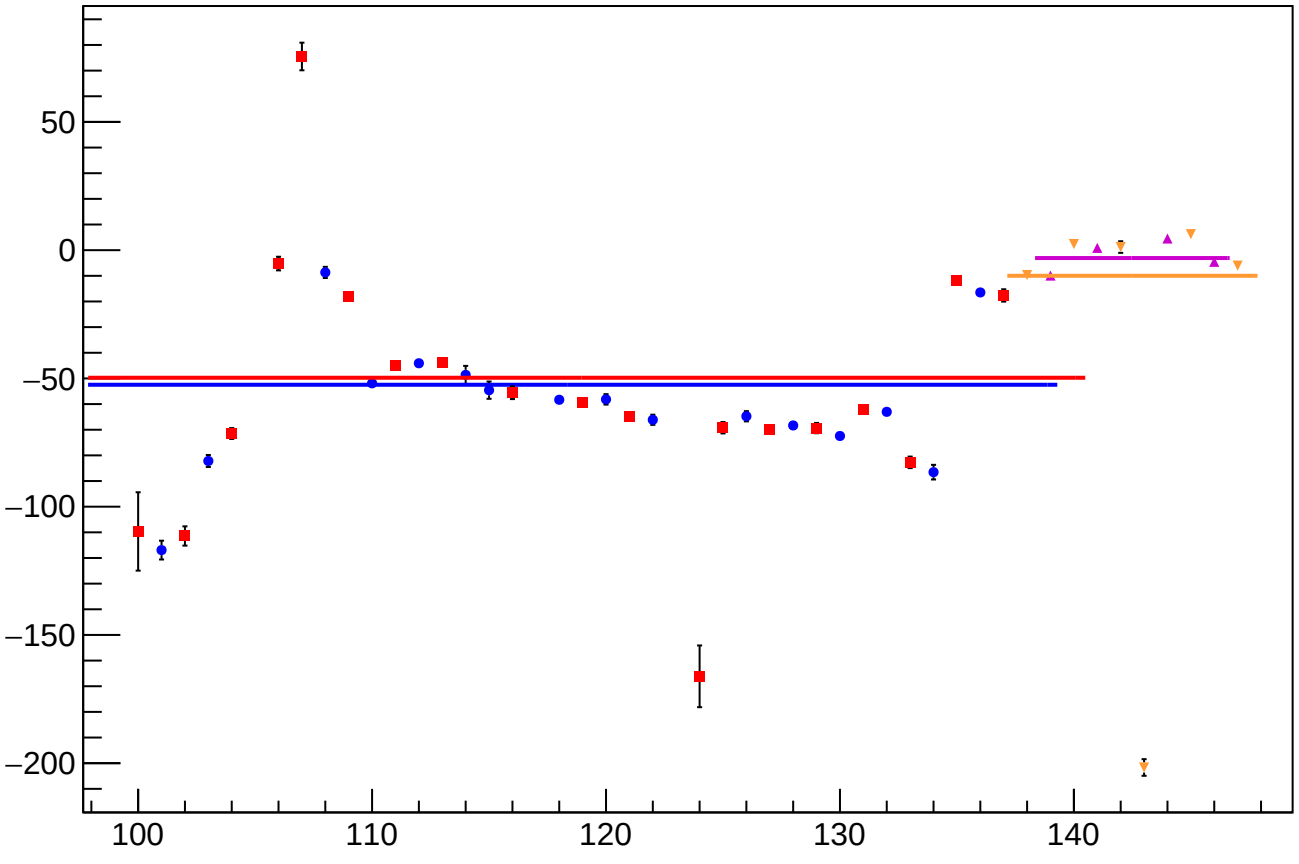
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

\+ sign 1.476+/-0.316 χ^2/NDF: 369.5/21

All: 1.900+/-0.233 χ^2/NDF: 595.7/44

\- sign 2.400+/-0.343 χ^2/NDF: 222.3/22



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

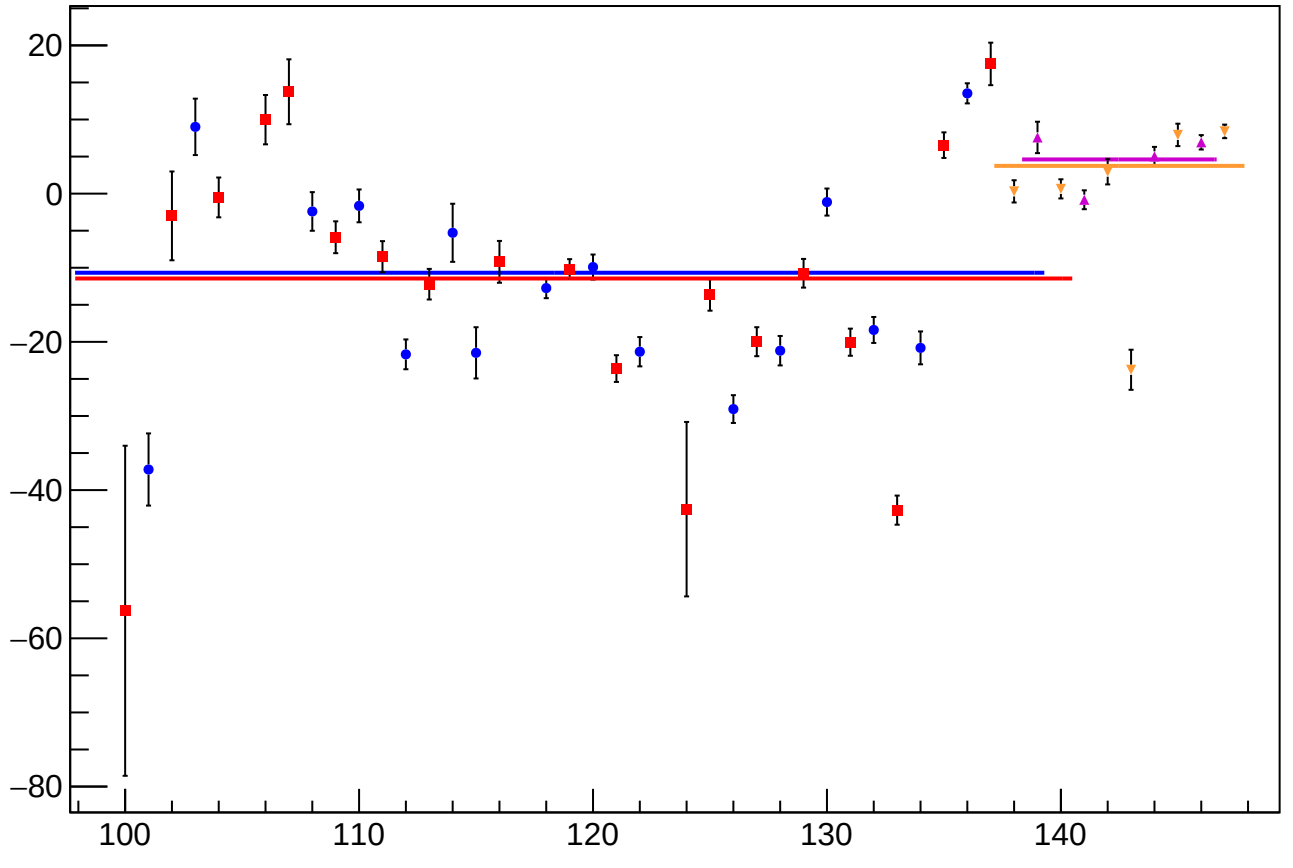
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

\+ sign -37.031+/-0.389 χ^2/NDF: 8803.8/21

All: -35.569+/-0.280 χ^2/NDF: 14911.1/44

\- sign -34.008+/-0.402 χ^2/NDF: 6078.2/22



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

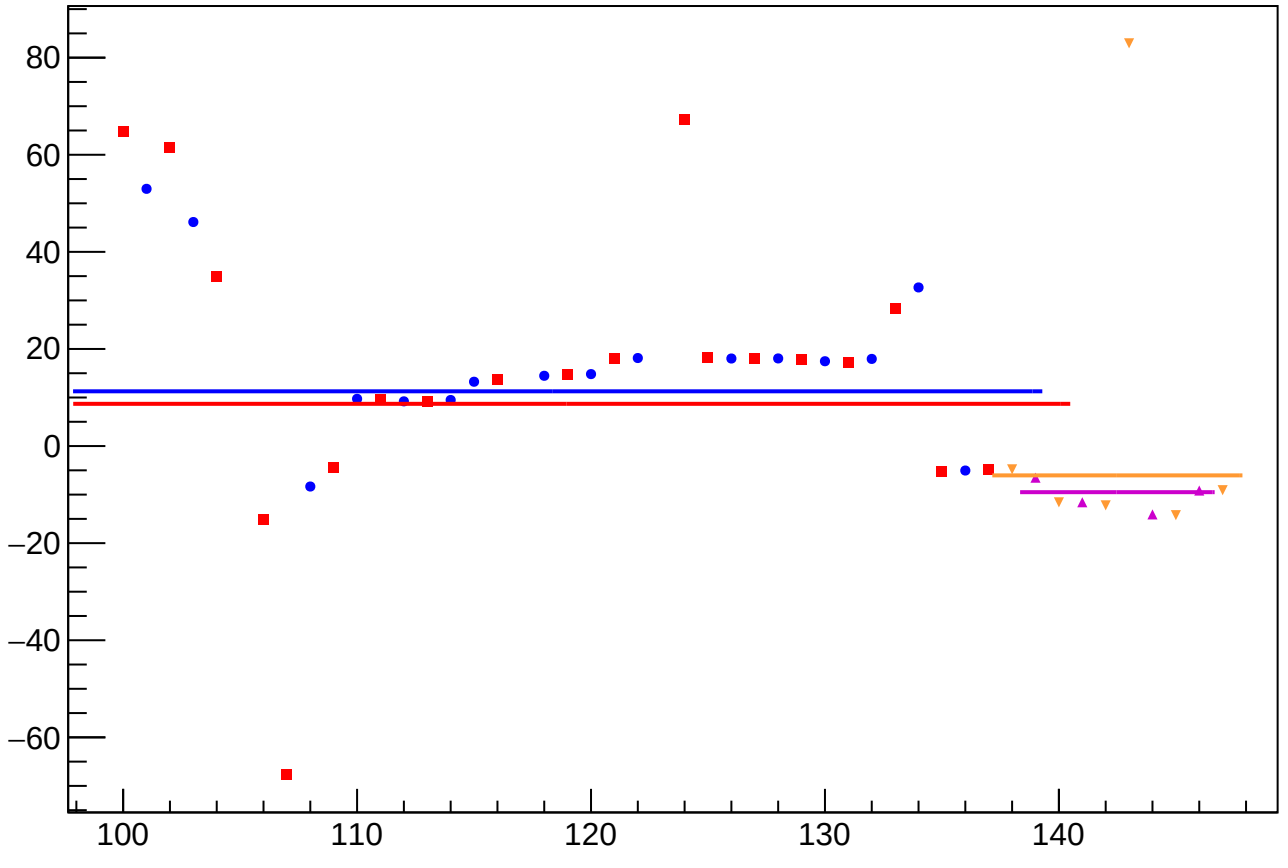
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

\+ sign -4.240+/-0.376 χ^2/NDF: 1177.8/21

All: -4.607+/-0.274 χ^2/NDF: 2259.3/44

\- sign -5.022+/-0.400 χ^2/NDF: 1079.4/22



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

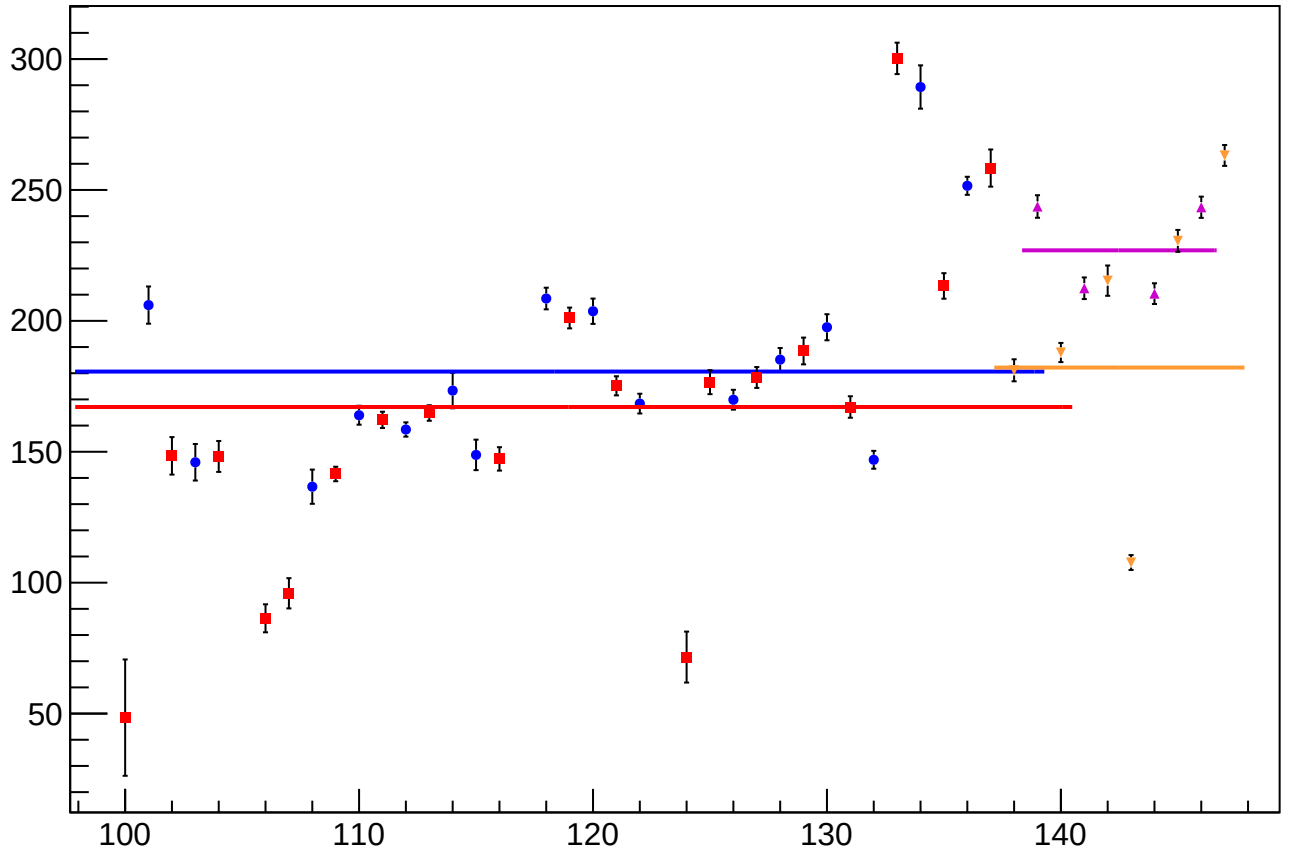
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

+ sign 1.699+/-0.020 χ^2/NDF: 1002525.9/21

All: 0.174+/-0.014 χ^2/NDF: 1648473.1/44

- sign -1.483+/-0.021 χ^2/NDF: 633816.5/22



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

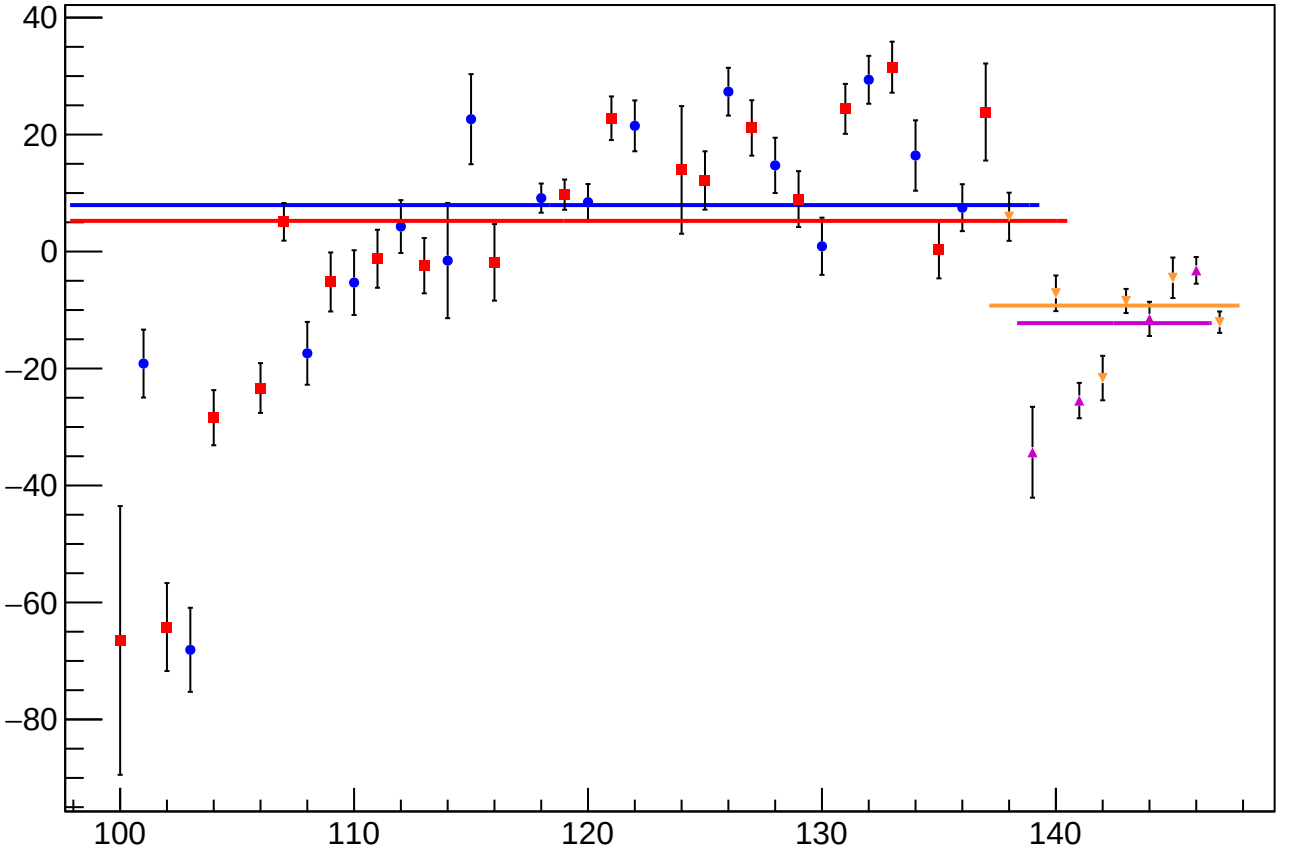
Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 180.059+/-0.640 χ^2/NDF: 4491.3/44

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

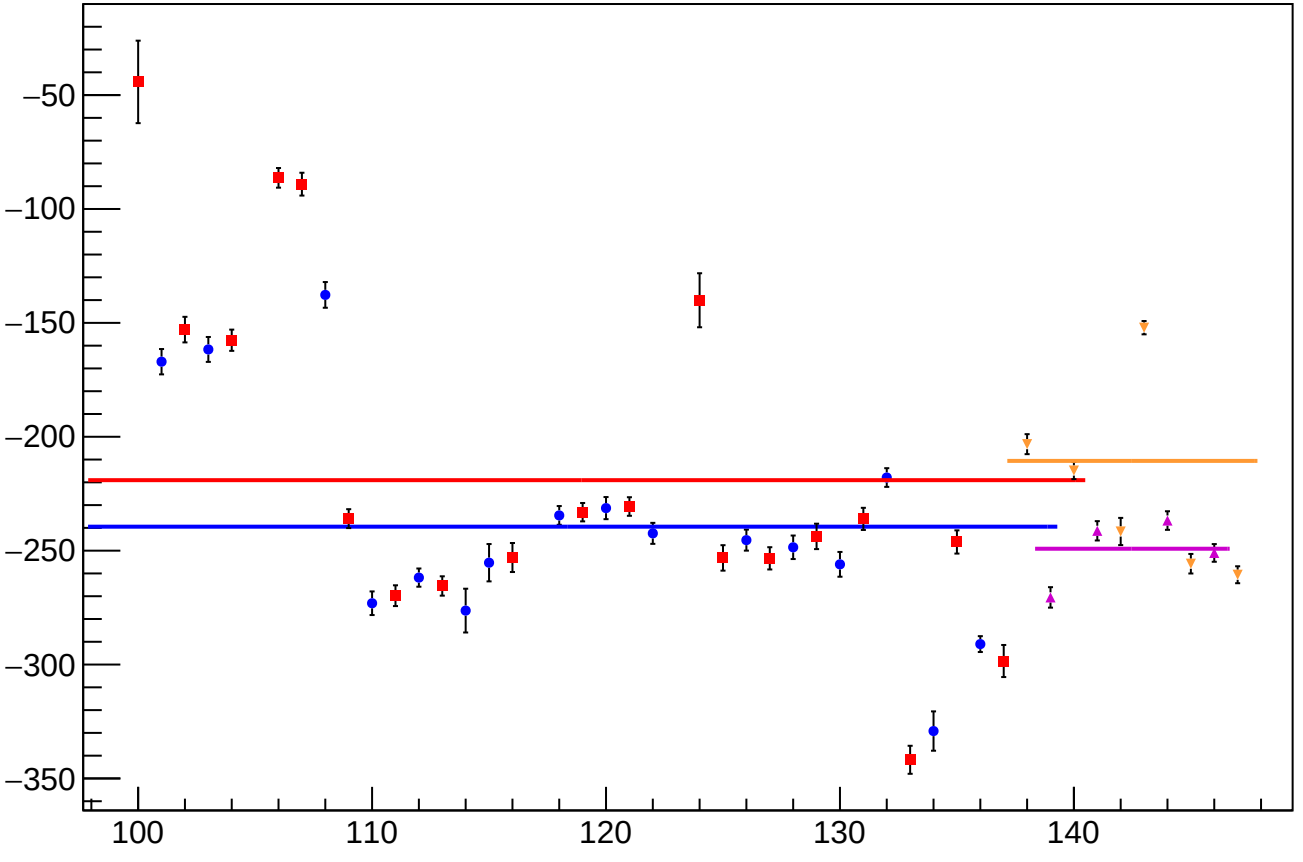
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -0.720+/-0.579 χ^2/NDF: 819.7/44

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

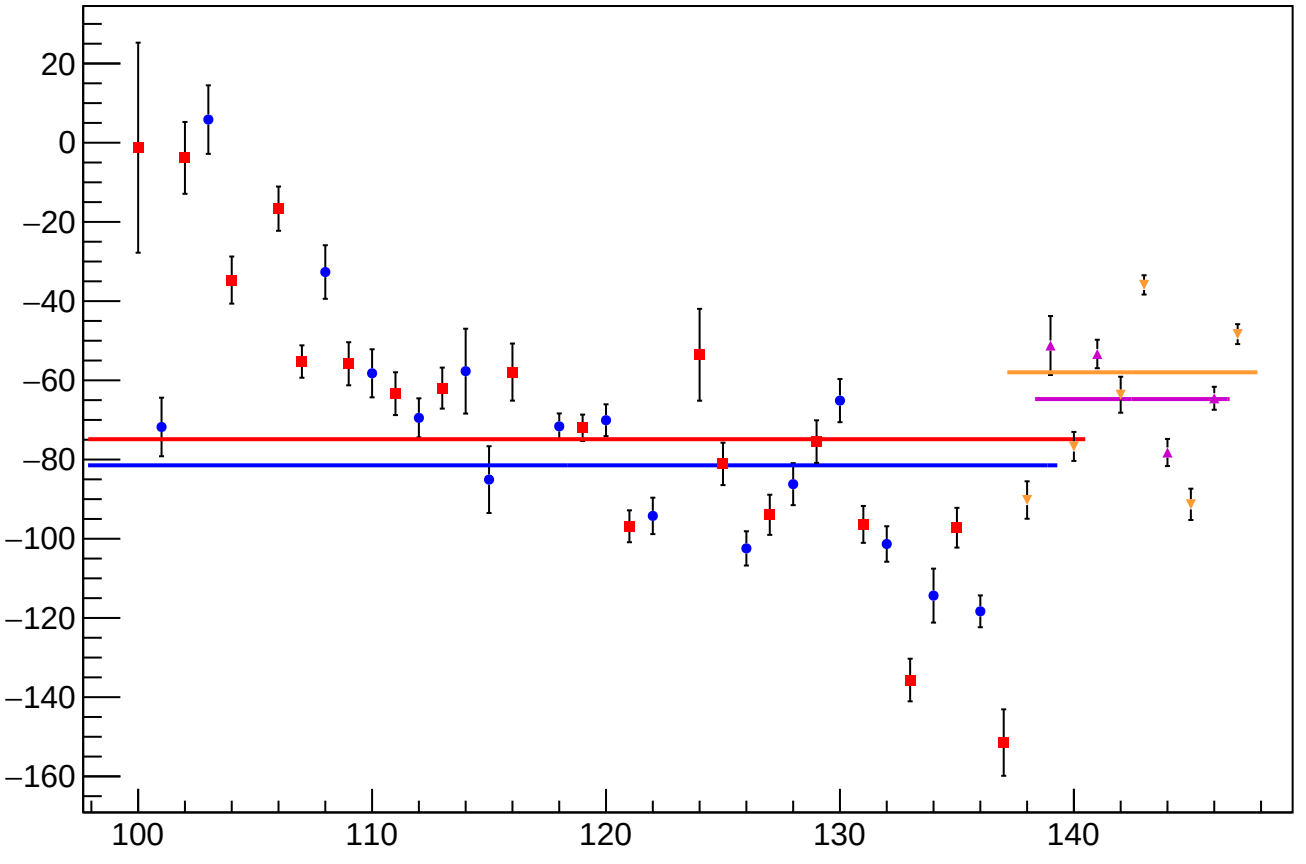
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

+ sign -228.515+/-0.981 χ^2/NDF: 2088.7/21

All: -227.481+/-0.708 χ^2/NDF: 5334.7/44

- sign -226.356+/-1.024 χ^2/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

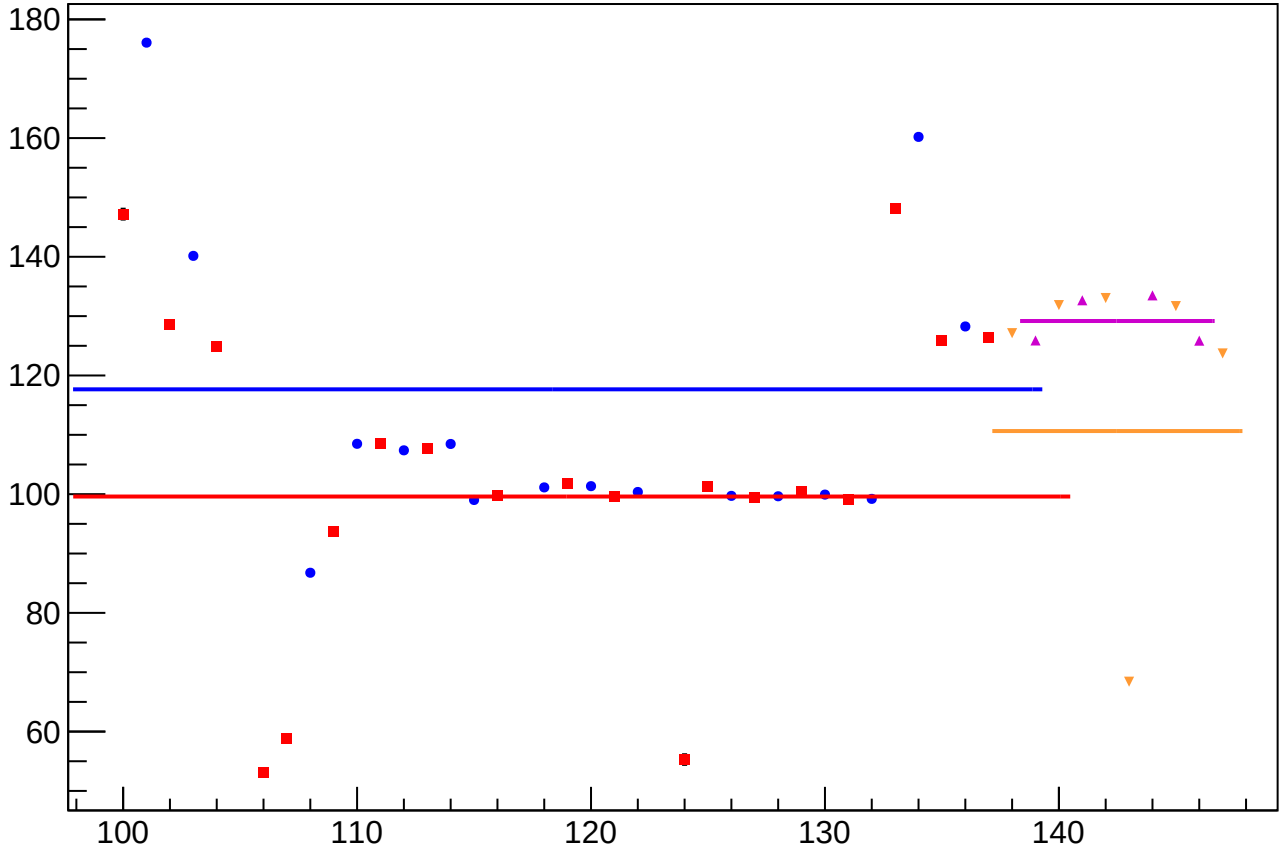
Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22

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: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

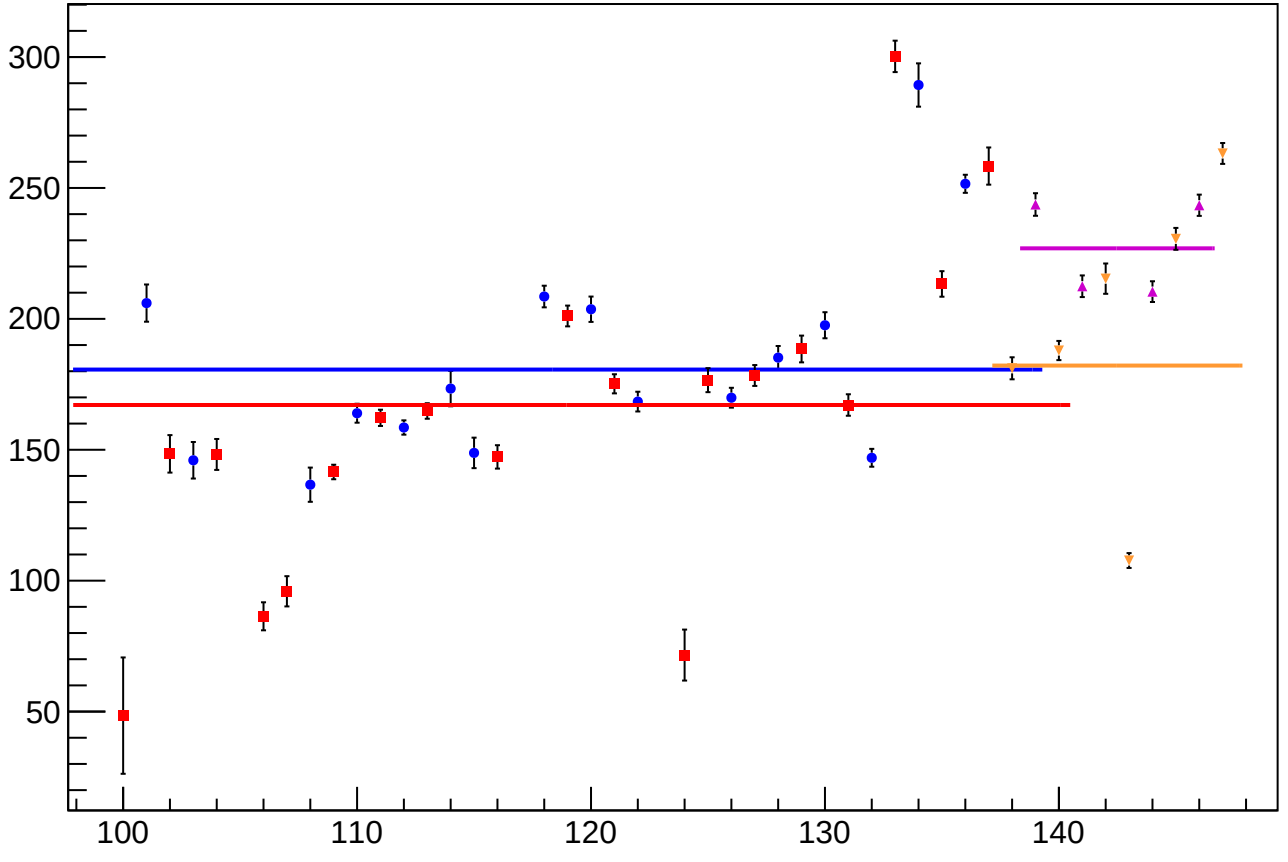
Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44

- sign 111.581+/-0.054 χ^2/NDF: 239670.7/22

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: 182.163+/-1.572 χ^2/NDF:1268.6/5

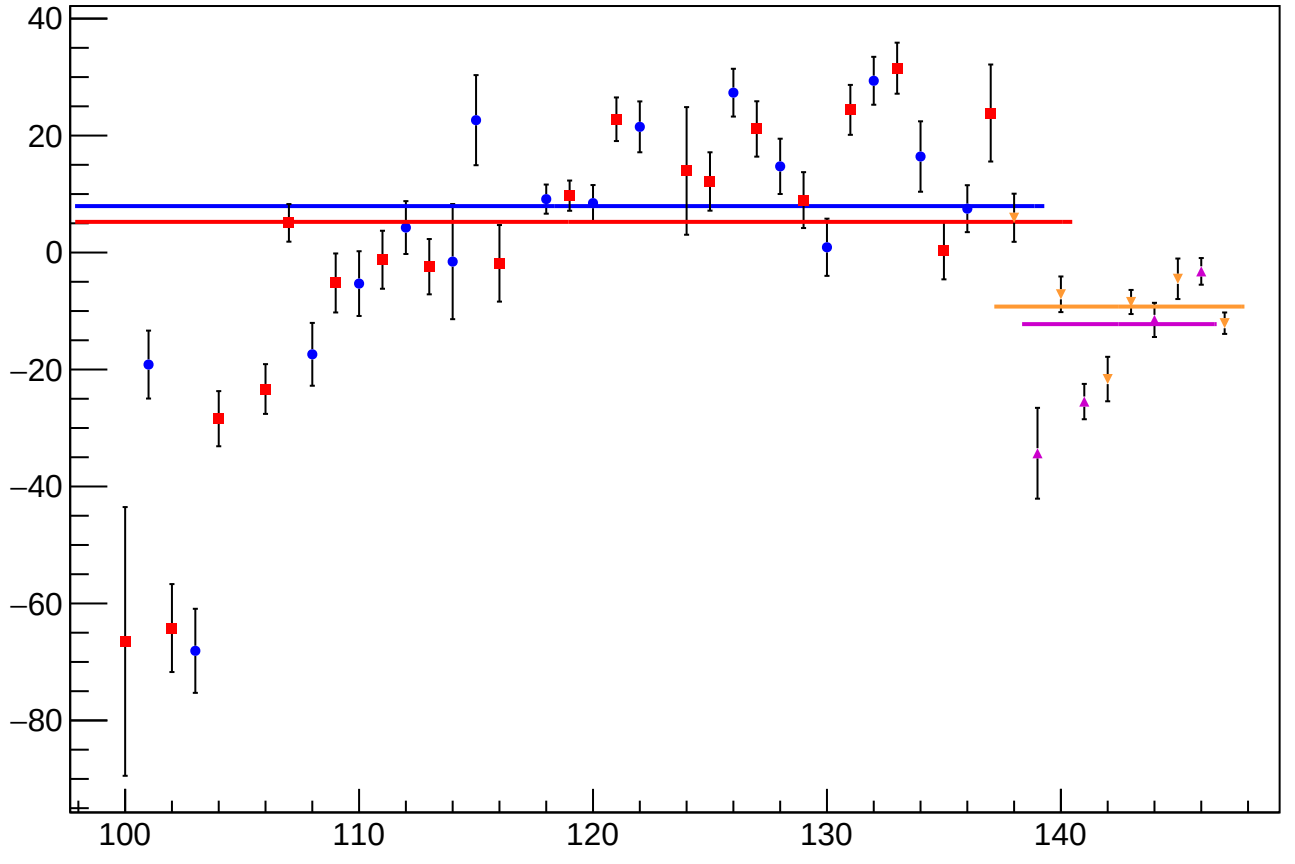
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 180.059+/-0.640 χ^2/NDF: 4491.3/44

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

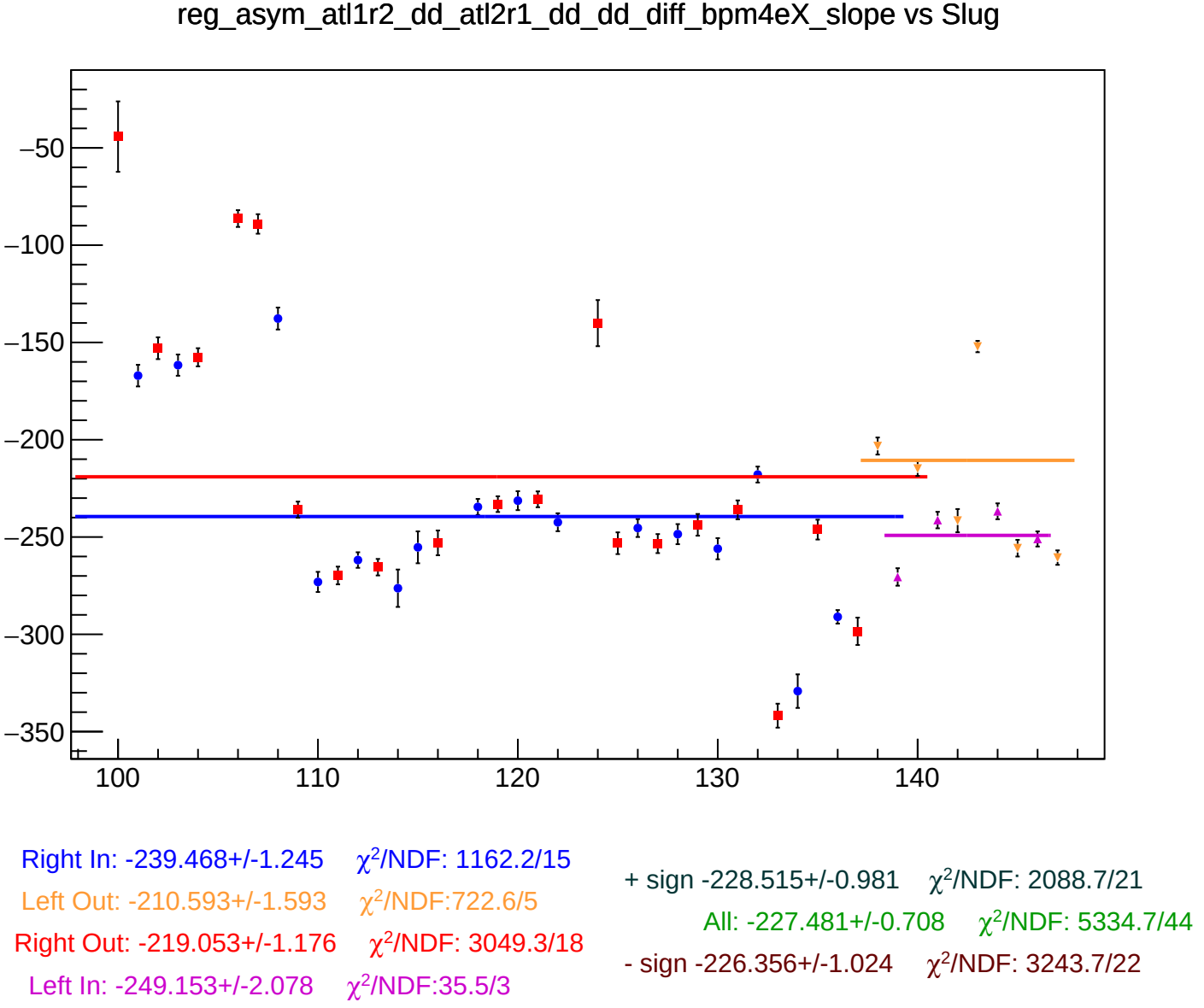
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

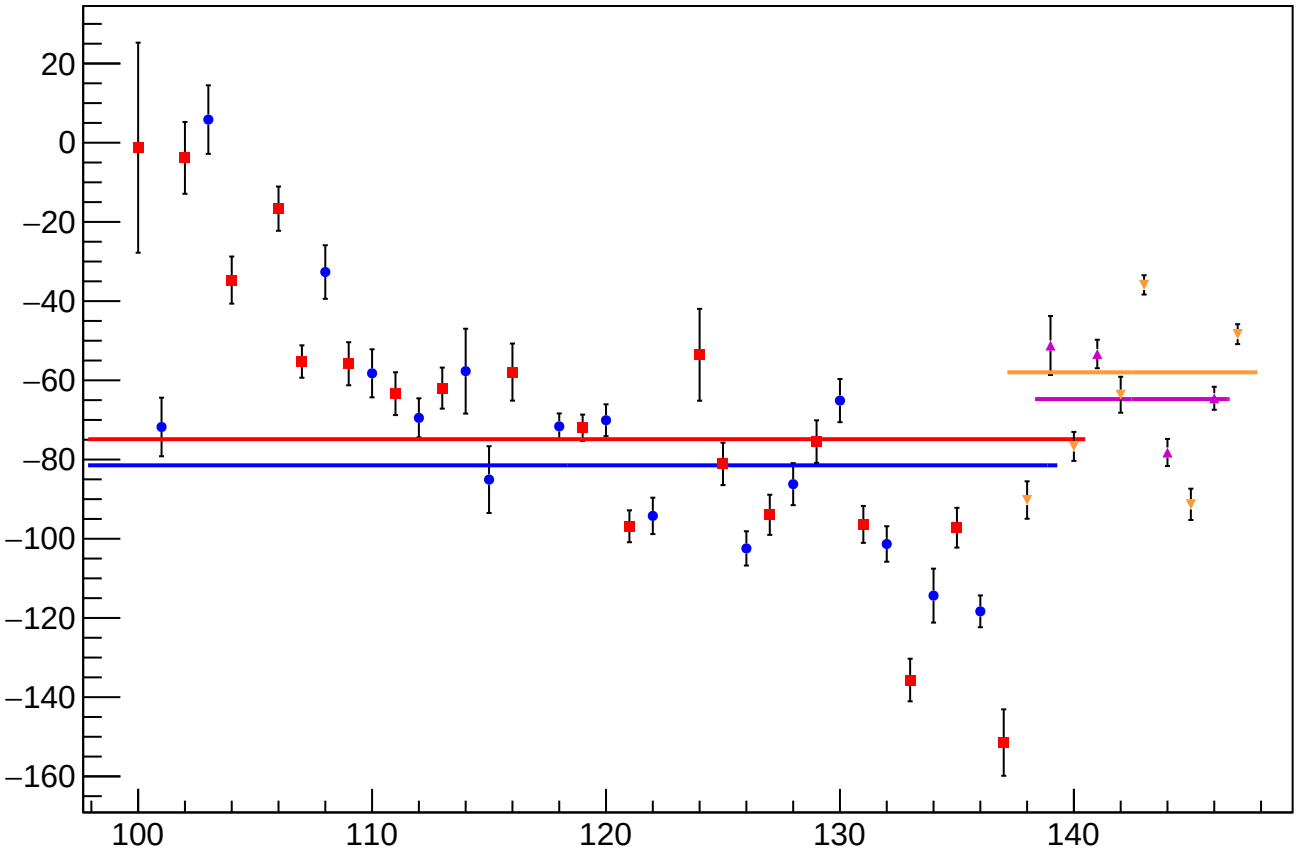
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -0.720+/-0.579 χ^2/NDF: 819.7/44

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -210.593+/-1.593 χ²/NDF:722.6/5
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -249.153+/-2.078 χ²/NDF:35.5/3
+ sign -228.515+/-0.981 χ²/NDF: 2088.7/21
All: -227.481+/-0.708 χ²/NDF: 5334.7/44
- sign -226.356+/-1.024 χ²/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

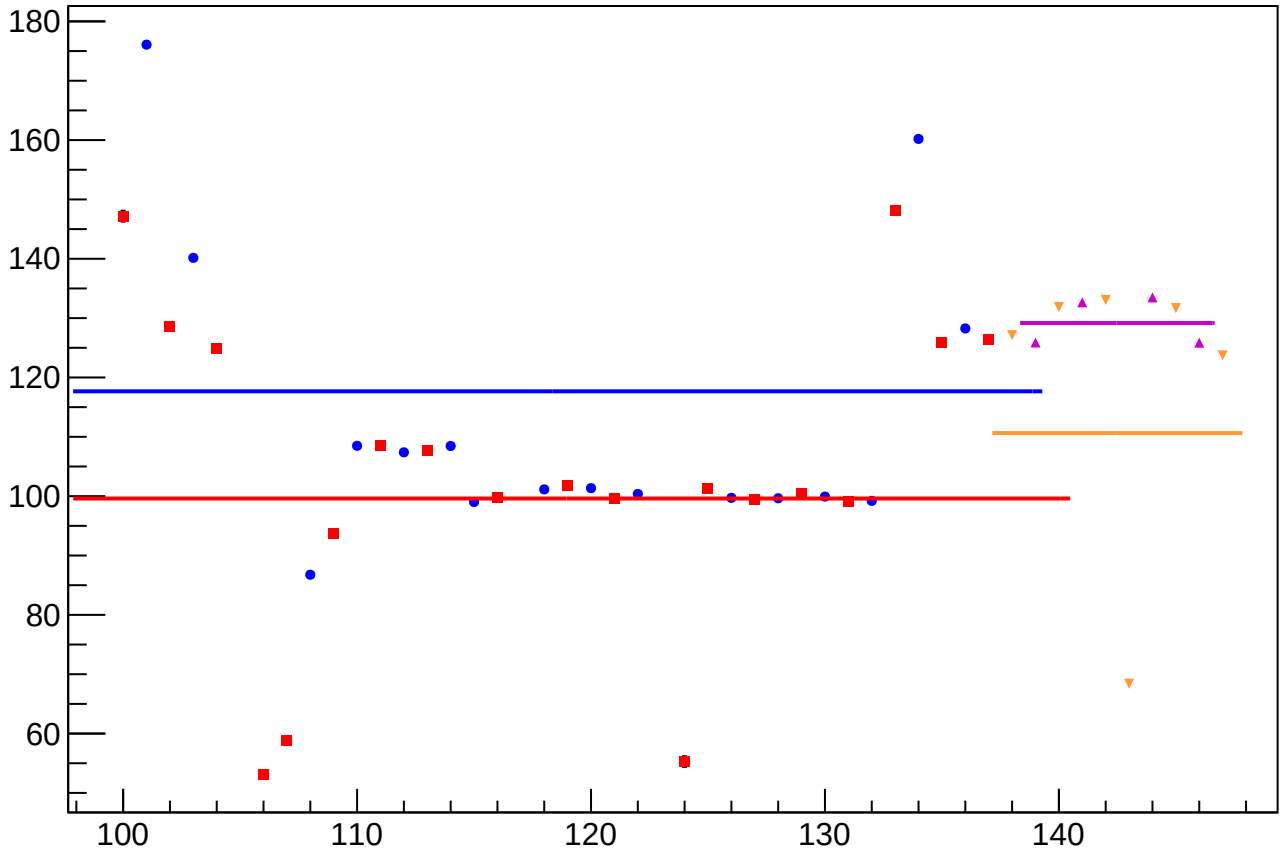
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

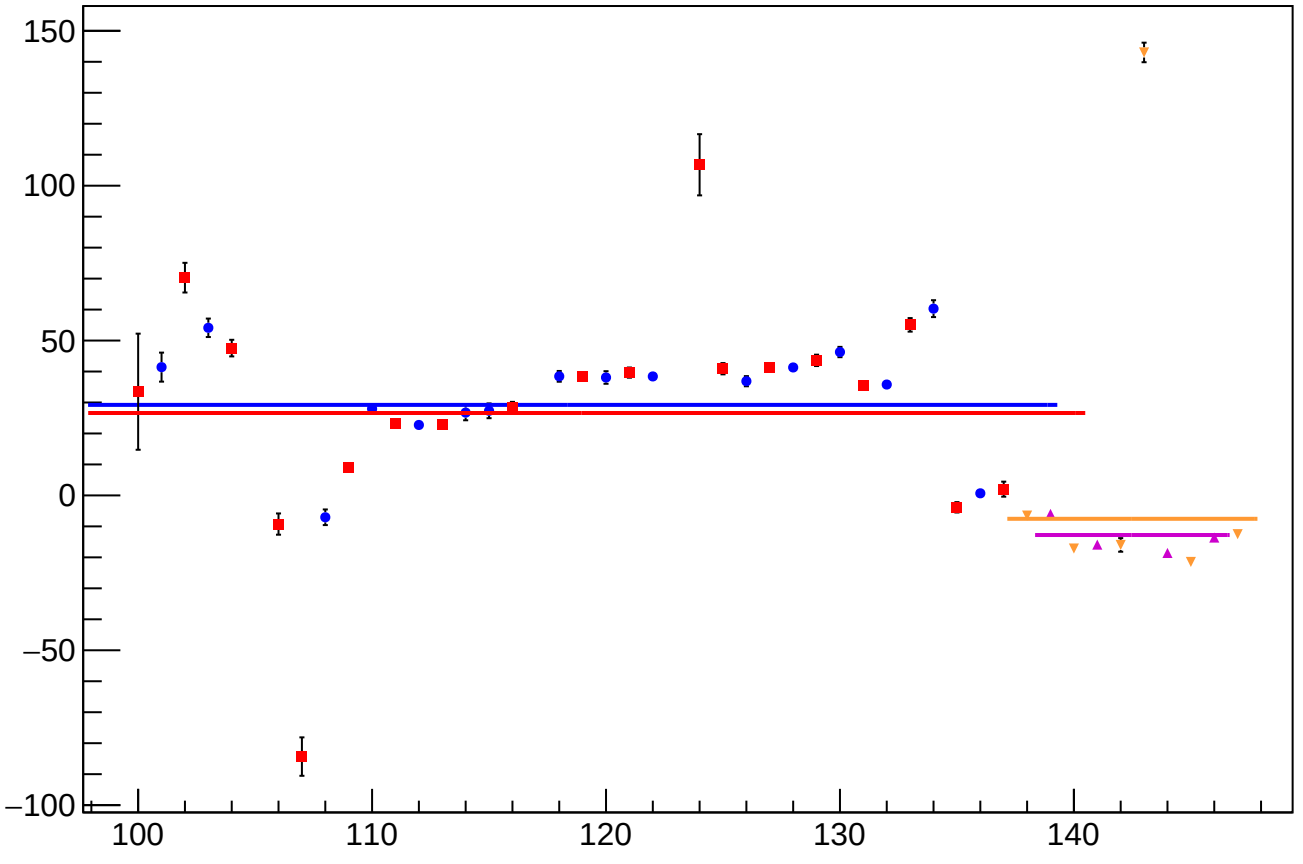
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44

- sign 111.581+/-0.054 χ^2/NDF: 239670.7/22



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.551+/-0.640 χ^2/NDF:2441.1/5

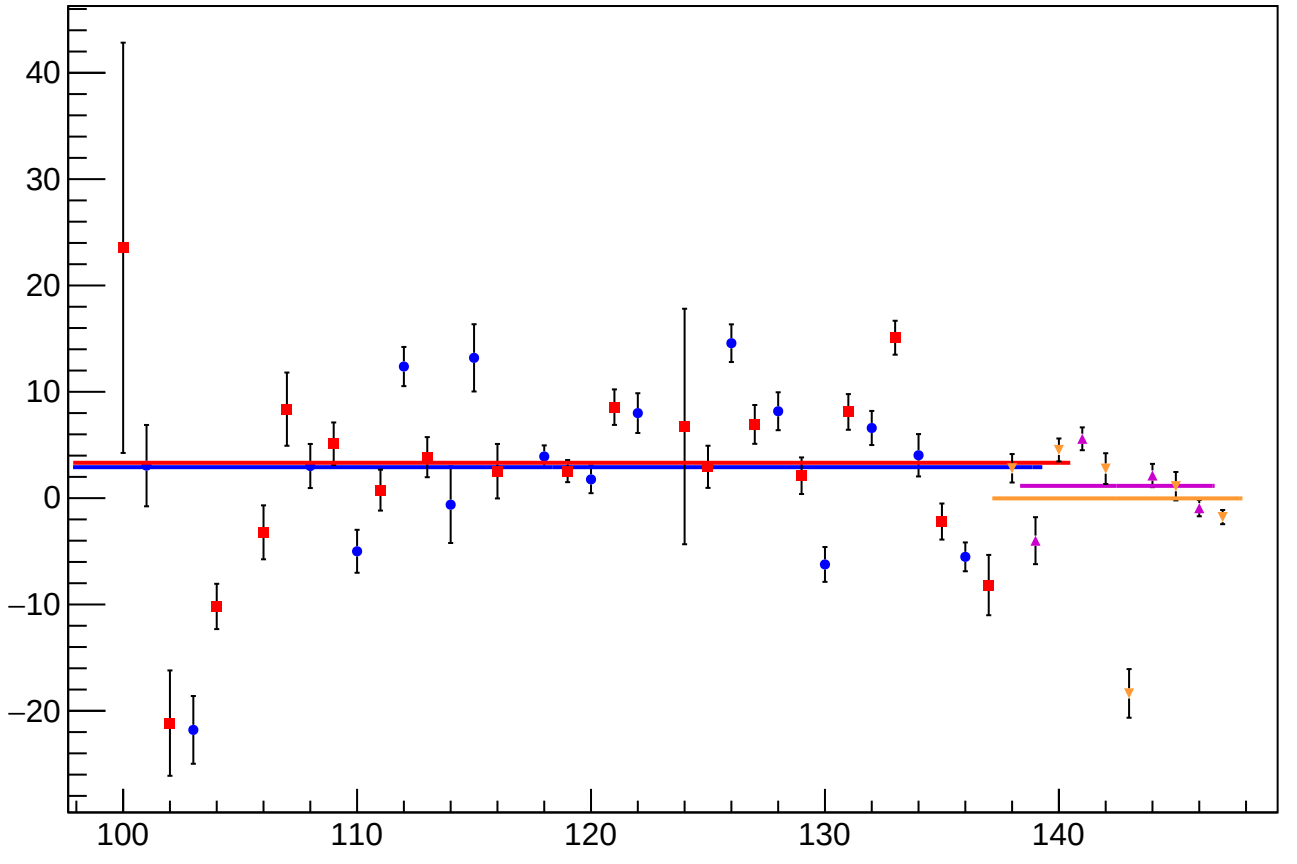
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

\+ sign 17.992+/-0.354 χ^2/NDF: 6079.9/21

All: 17.022+/-0.250 χ^2/NDF: 10493.4/44

\- sign 16.047+/-0.354 χ^2/NDF: 4398.4/22



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

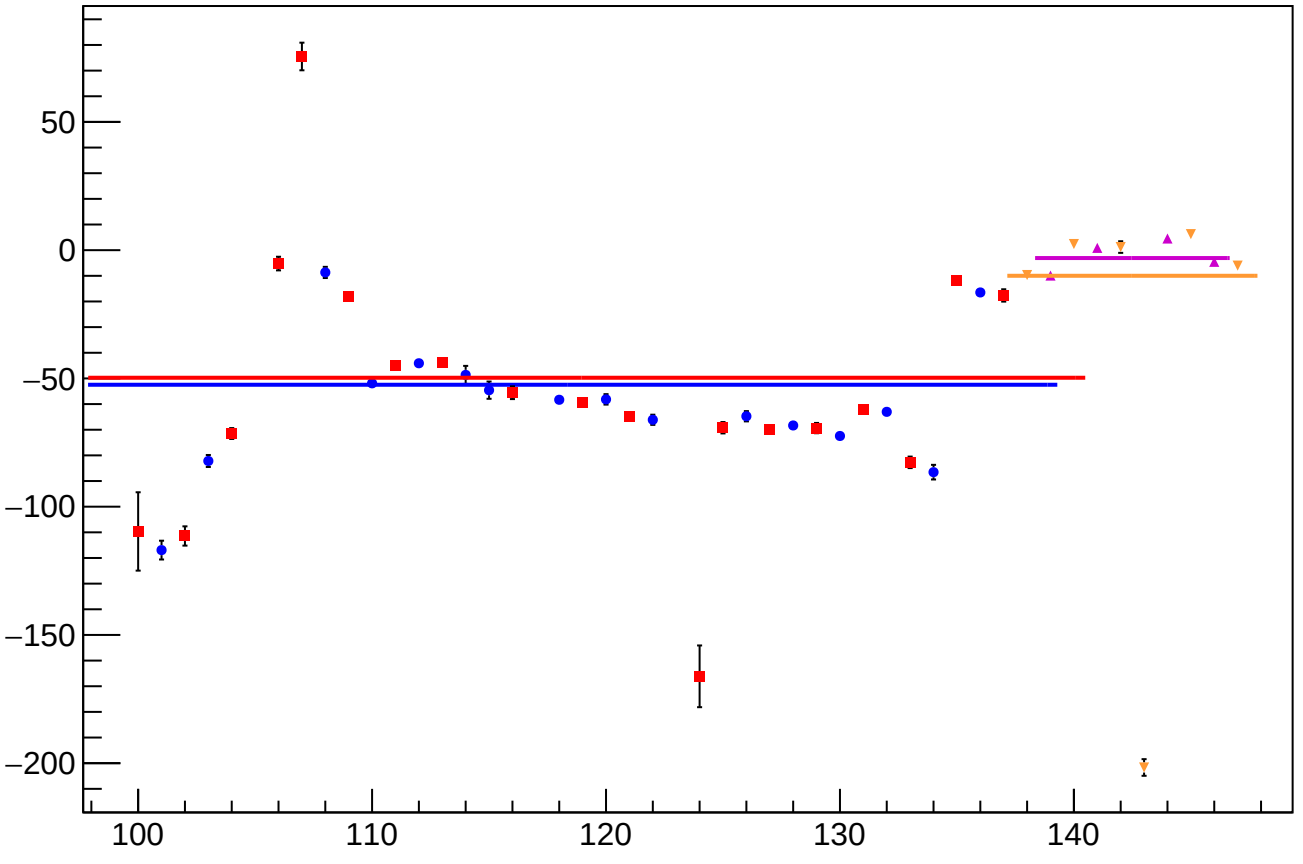
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

+ sign 1.476+/-0.316 χ^2/NDF: 369.5/21

All: 1.900+/-0.233 χ^2/NDF: 595.7/44

- sign 2.400+/-0.343 χ^2/NDF: 222.3/22



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

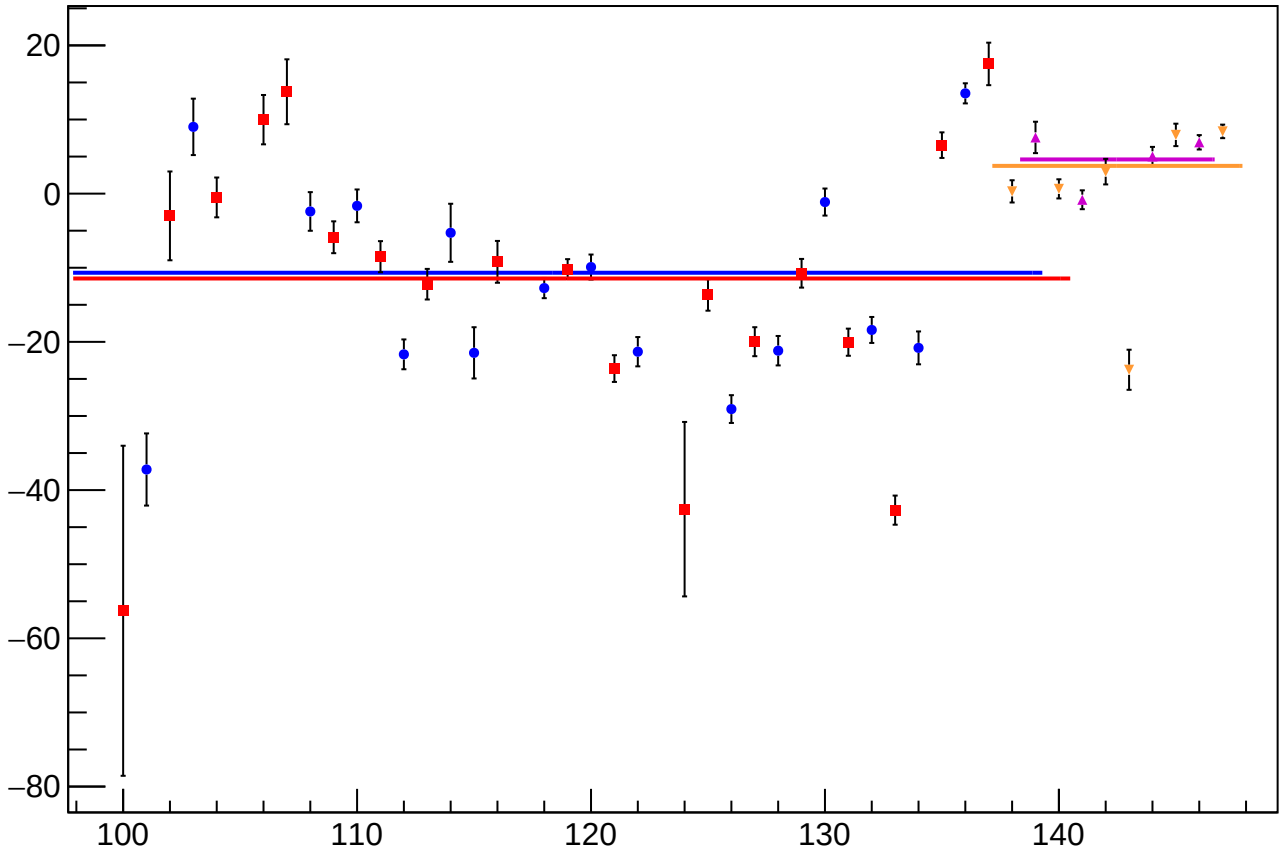
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

+ sign -37.031+/-0.389 χ^2/NDF: 8803.8/21

All: -35.569+/-0.280 χ^2/NDF: 14911.1/44

- sign -34.008+/-0.402 χ^2/NDF: 6078.2/22



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

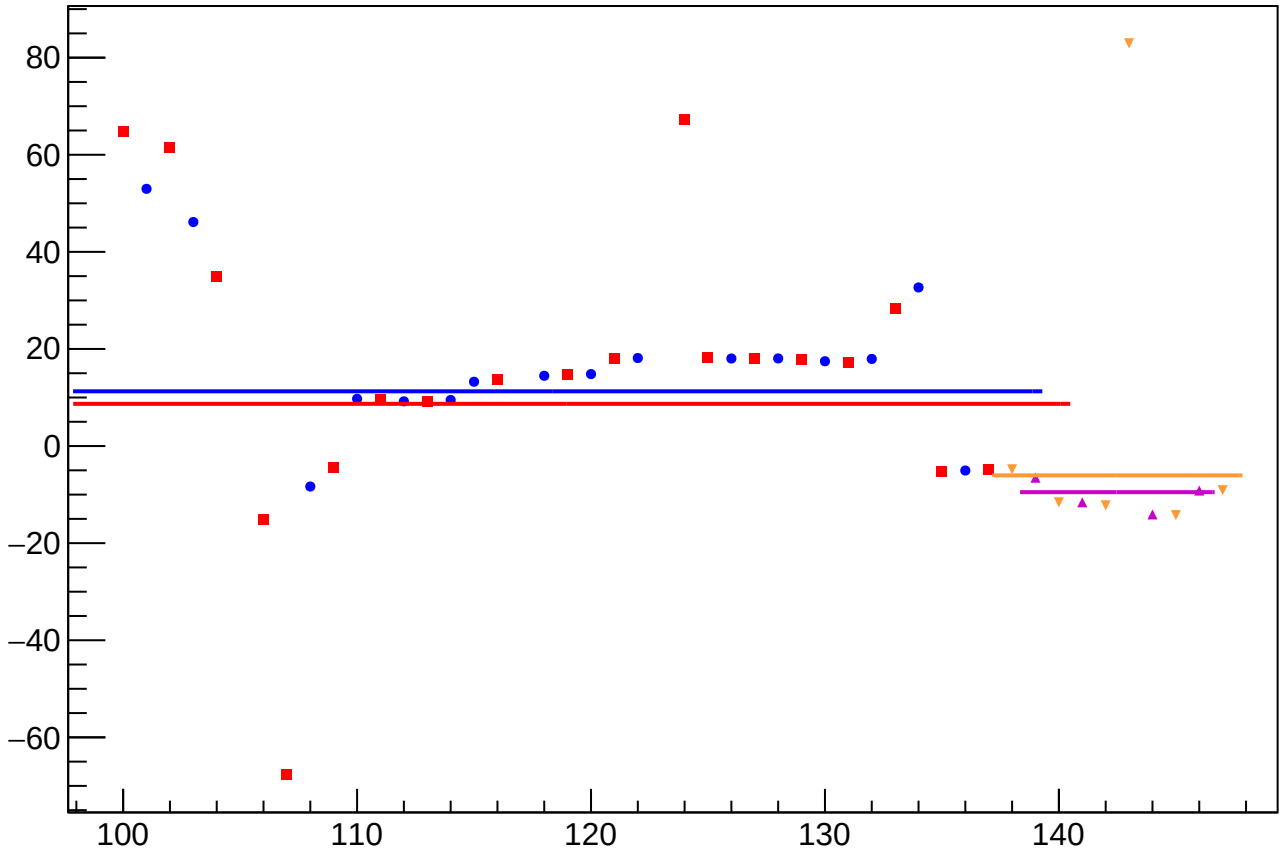
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

\+ sign -4.240+/-0.376 χ^2/NDF: 1177.8/21

All: -4.607+/-0.274 χ^2/NDF: 2259.3/44

\- sign -5.022+/-0.400 χ^2/NDF: 1079.4/22



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

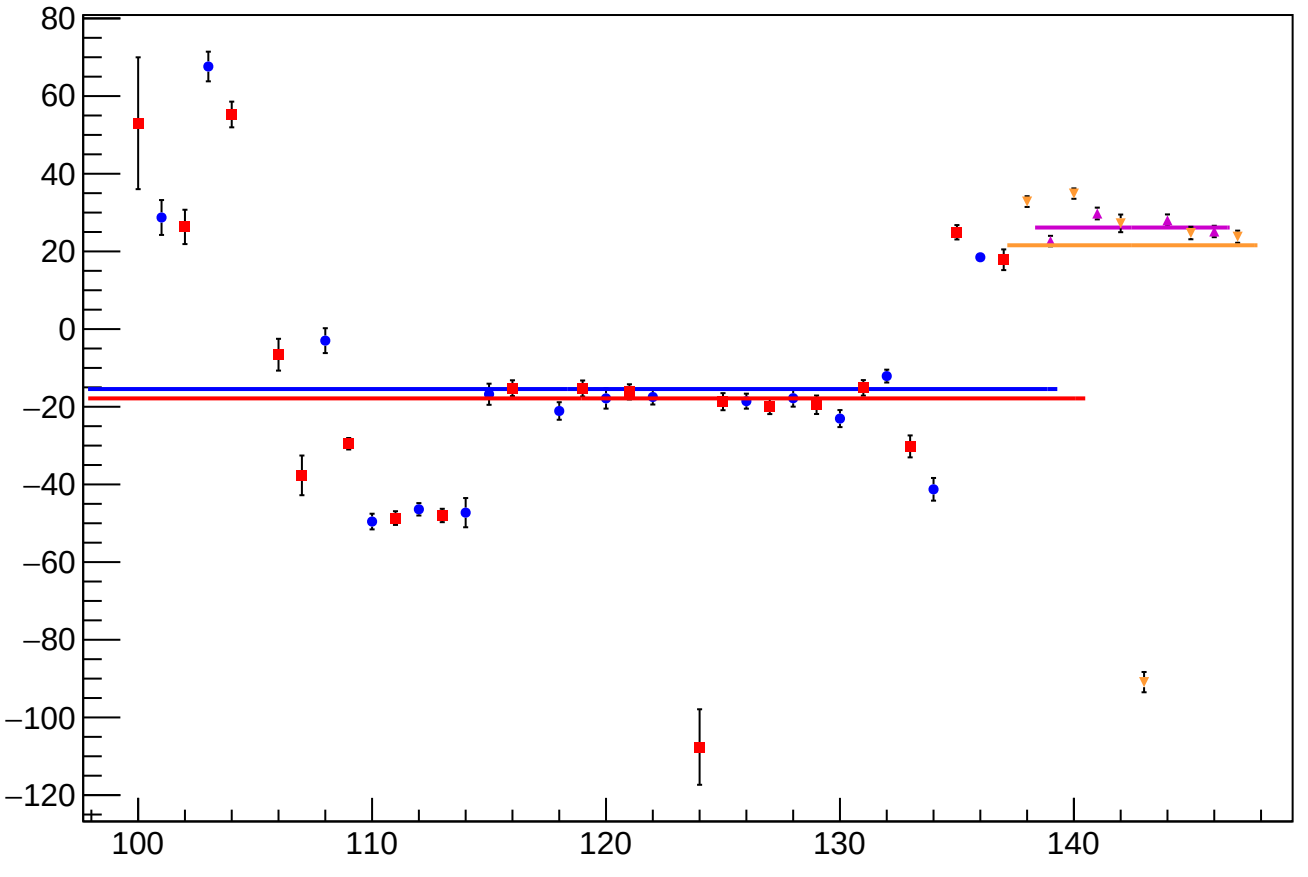
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

+ sign 1.699+/-0.020 χ^2/NDF: 1002525.9/21

All: 0.174+/-0.014 χ^2/NDF: 1648473.1/44

- sign -1.483+/-0.021 χ^2/NDF: 633816.5/22



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.581+/-0.672 χ^2/NDF:2030.7/5

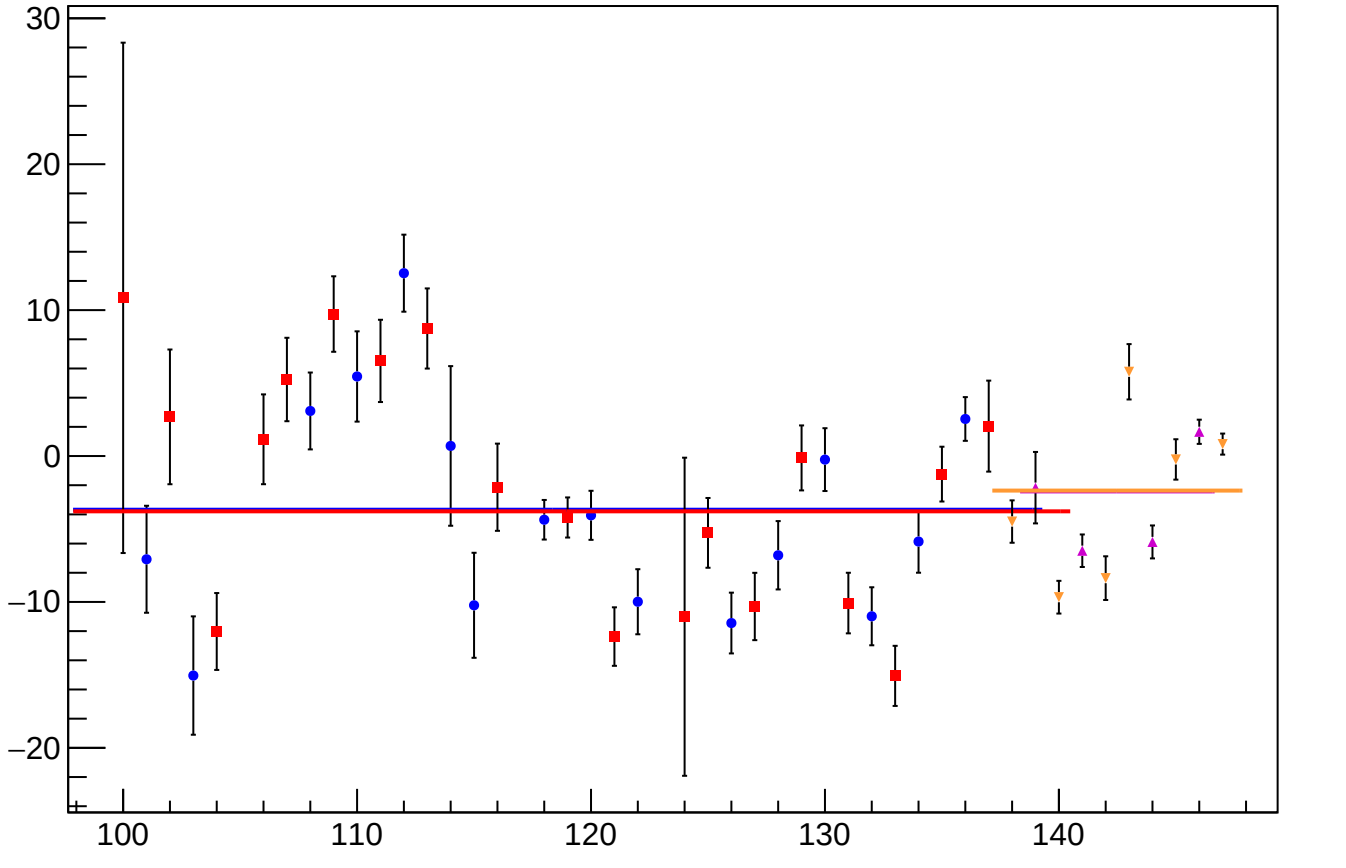
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

\+ sign -0.948+/-0.421 χ^2/NDF: 6001.0/21

All: -1.815+/-0.300 χ^2/NDF: 10522.2/44

\- sign -2.718+/-0.429 χ^2/NDF: 4512.5/22



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.368+/-0.475 χ^2/NDF:101.0/5

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

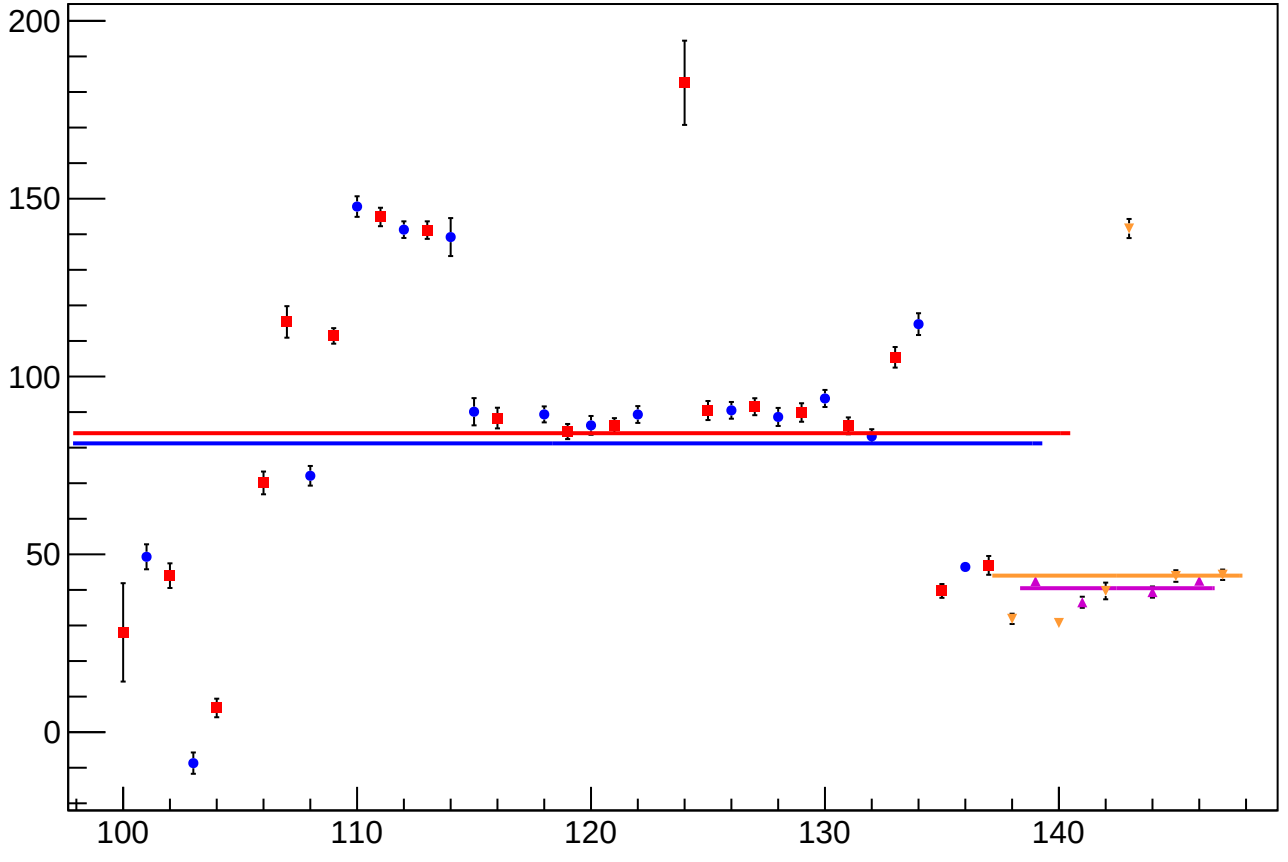
Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

+ sign -2.926+/-0.360 χ^2/NDF: 228.2/21

All: -3.005+/-0.267 χ^2/NDF: 439.5/44

- sign -3.101+/-0.397 χ^2/NDF: 211.2/22

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 44.019+/-0.679 χ^2/NDF:1486.8/5

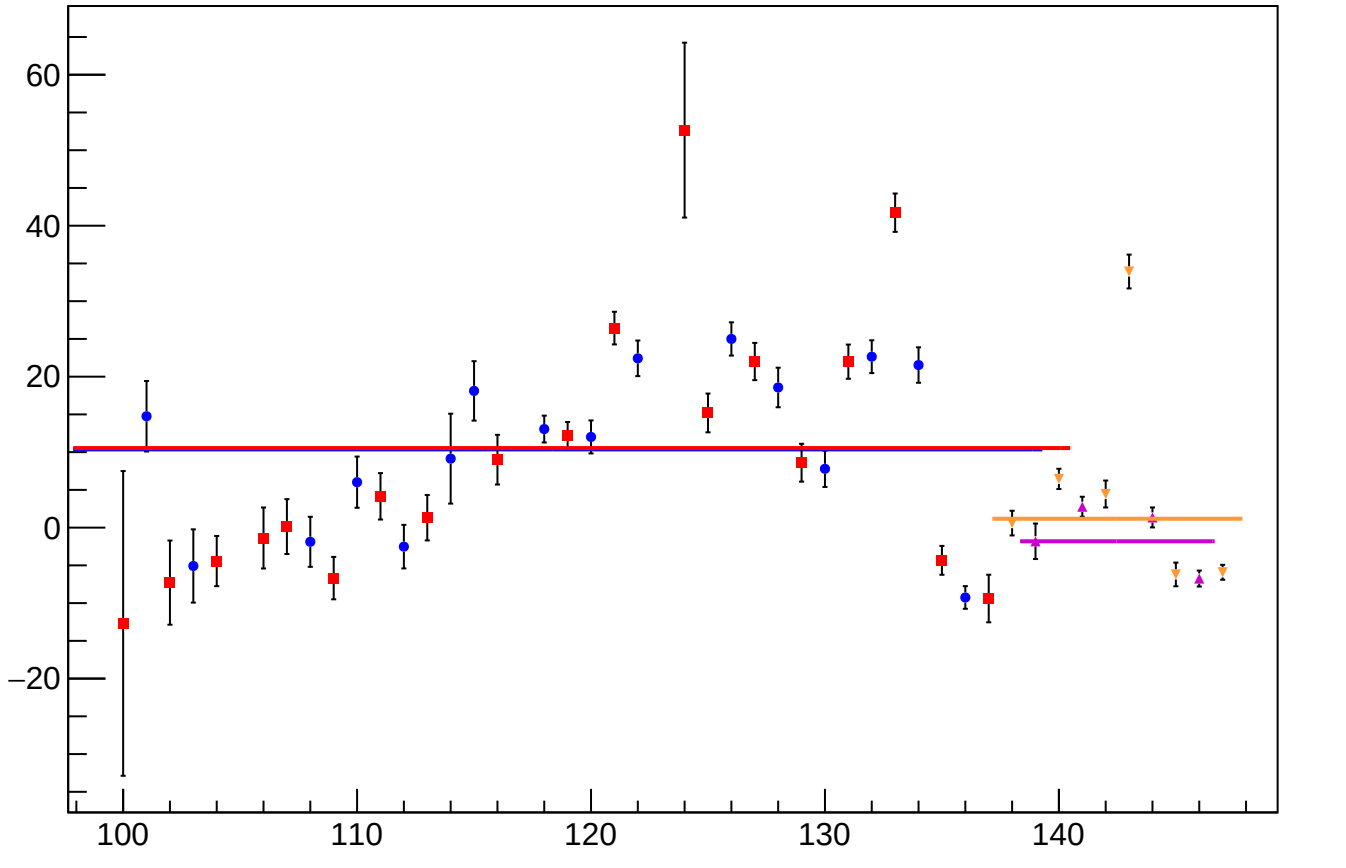
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

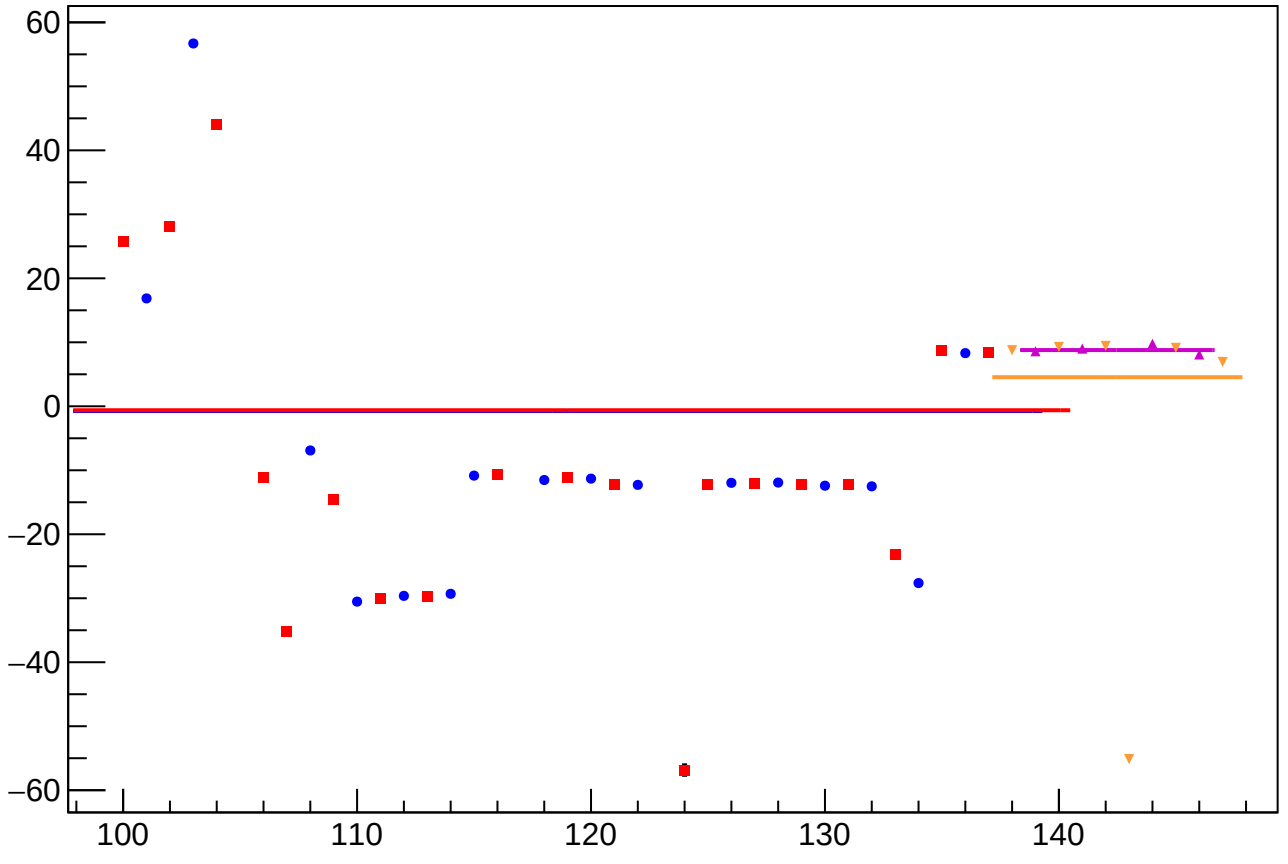
Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

+ sign 64.688+/-0.453 χ^2/NDF: 6383.8/21

All: 65.433+/-0.327 χ^2/NDF: 11651.5/44

- sign 66.250+/-0.474 χ^2/NDF: 5262.1/22


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.178+/-0.590 χ²/NDF:306.2/5
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.809+/-0.671 χ²/NDF:39.6/3
+ sign 5.497+/-0.430 χ²/NDF: 780.0/21
All: 5.107+/-0.315 χ²/NDF: 1469.4/44
- sign 4.653+/-0.463 χ²/NDF: 687.6/22



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

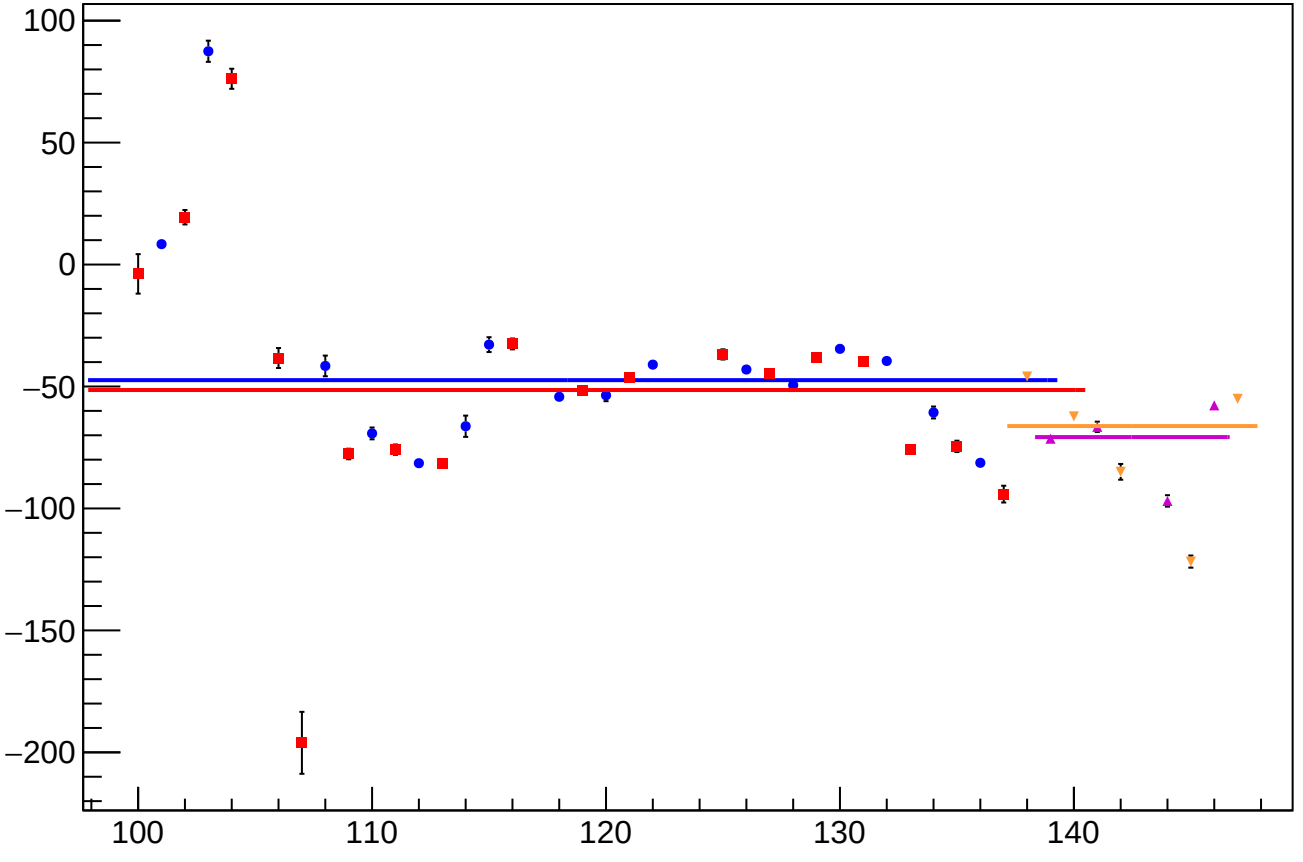
Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

+ sign 2.512+/-0.022 χ^2/NDF: 687113.1/21

All: 3.744+/-0.016 χ^2/NDF: 1049020.1/44

- sign 5.103+/-0.023 χ^2/NDF: 355451.8/22

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -66.226+/-0.936 χ^2/NDF:701.0/4

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

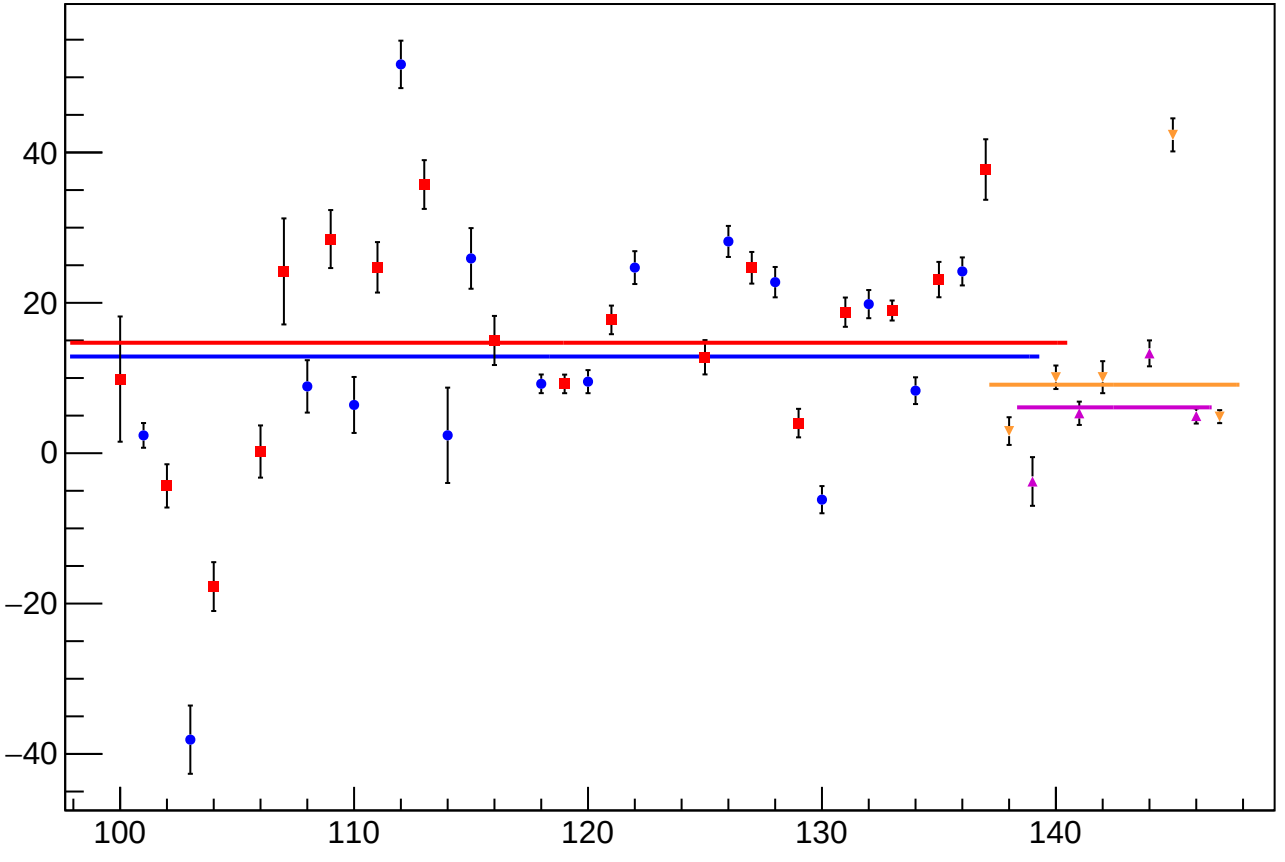
Left In: -70.742+/-0.989 χ^2/NDF:181.3/3

+ sign -52.037+/-0.465 χ^2/NDF: 3775.1/20

All: -53.933+/-0.333 χ^2/NDF: 7155.2/42

- sign -55.937+/-0.478 χ^2/NDF: 3345.9/21

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 9.111+/-0.637 χ^2/NDF:264.2/4

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

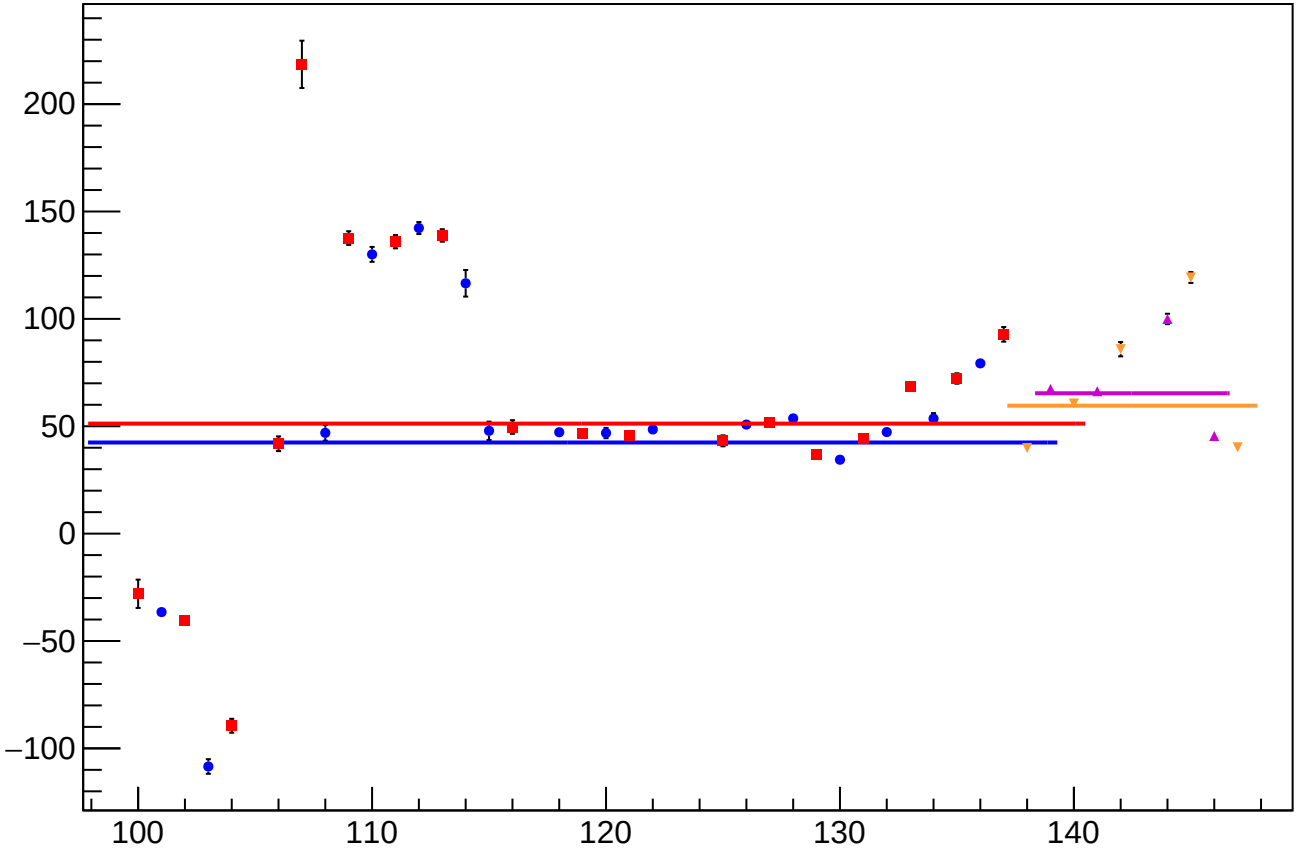
Left In: 6.098+/-0.737 χ^2/NDF:28.1/3

+ sign 11.364+/-0.402 χ^2/NDF: 910.5/20

All: 11.500+/-0.296 χ^2/NDF: 1390.9/42

- sign 11.660+/-0.438 χ^2/NDF: 480.2/21

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 59.581+/-0.939 χ^2/NDF:860.2/4

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

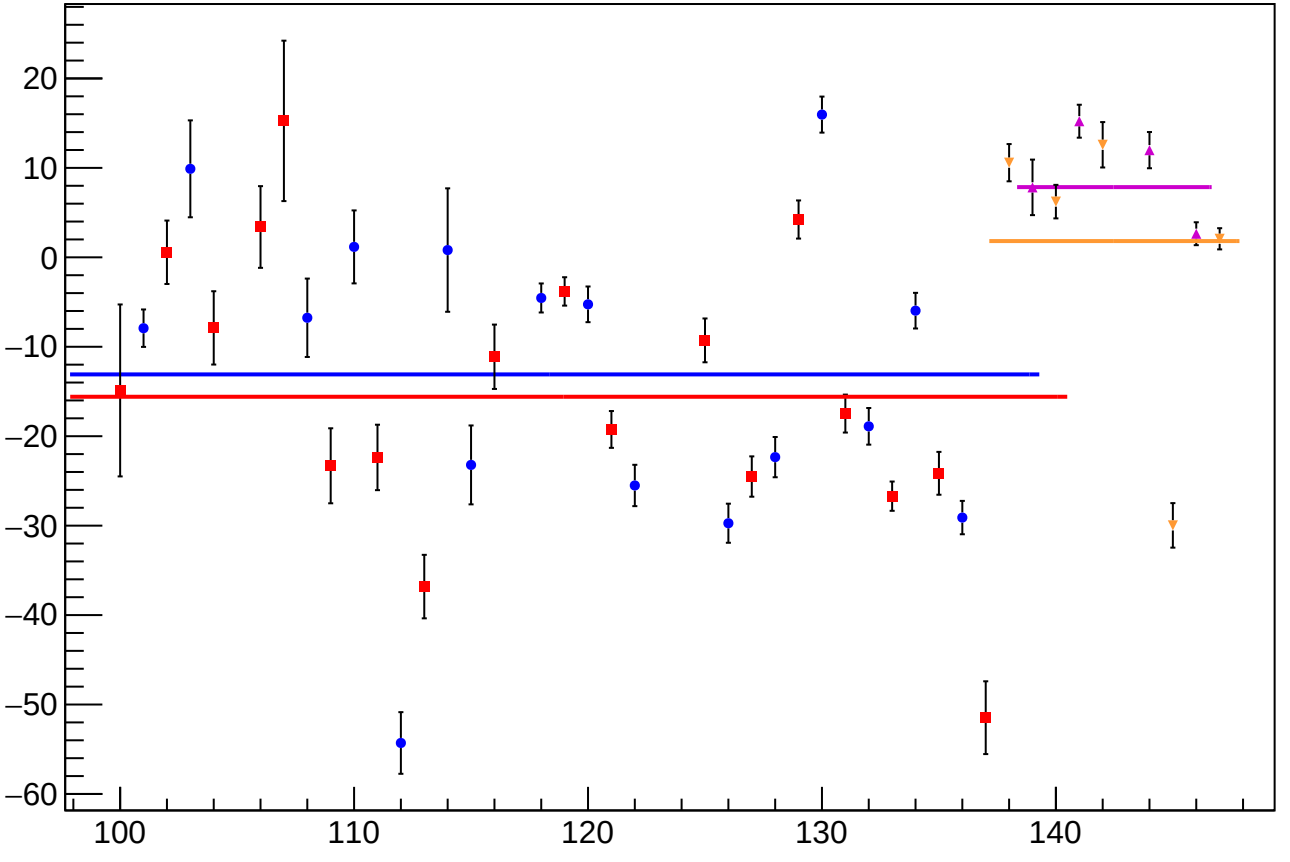
Left In: 65.366+/-0.998 χ^2/NDF:341.2/3

+ sign 47.221+/-0.496 χ^2/NDF: 8269.4/20

All: 50.956+/-0.360 χ^2/NDF: 15487.1/42

- sign 55.114+/-0.523 χ^2/NDF: 7097.9/21

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.817+/-0.805 χ^2/NDF:204.3/4

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

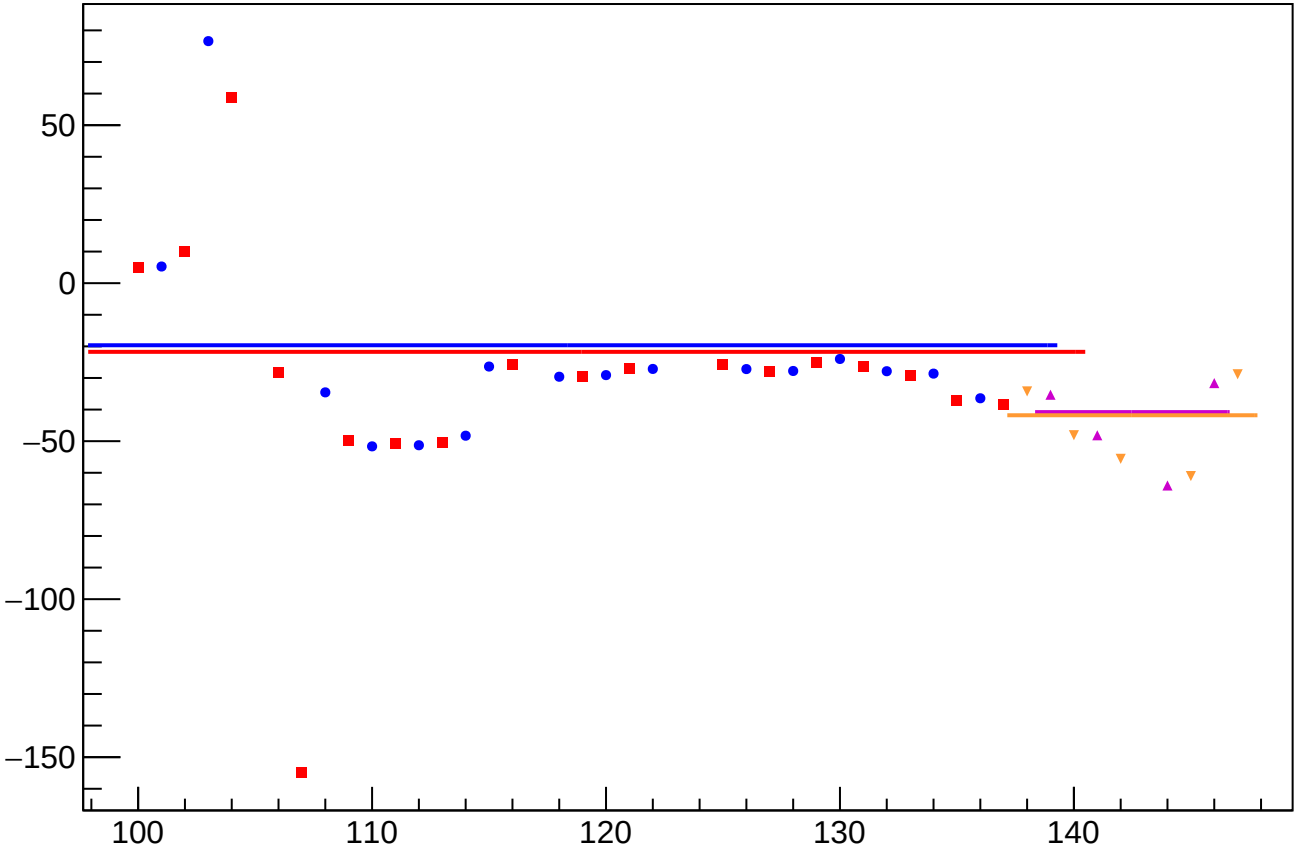
Left In: 7.851+/-0.894 χ^2/NDF:36.7/3

+ sign -7.768+/-0.481 χ^2/NDF: 1064.8/20

All: -7.811+/-0.351 χ^2/NDF: 1964.5/42

- sign -7.860+/-0.513 χ^2/NDF: 899.7/21

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -41.799+/-0.039 χ^2/NDF:91604.1/4

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

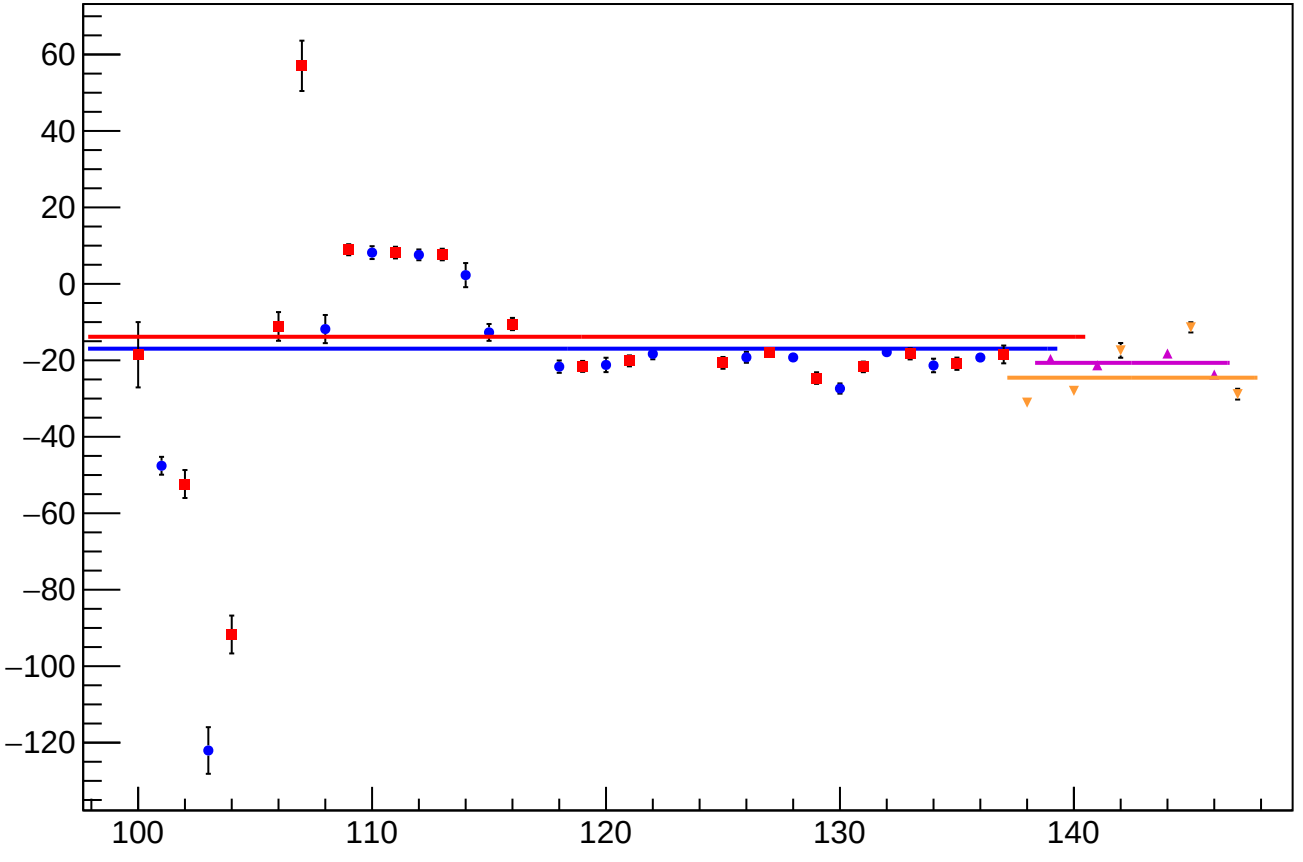
Left In: -40.801+/-0.040 χ^2/NDF:75008.7/3

+ sign -29.744+/-0.027 χ^2/NDF: 910132.0/20

All: -30.319+/-0.019 χ^2/NDF: 1649072.2/42

- sign -30.952+/-0.028 χ^2/NDF: 737961.9/21

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -24.539+/-0.599 χ^2/NDF:158.8/4

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

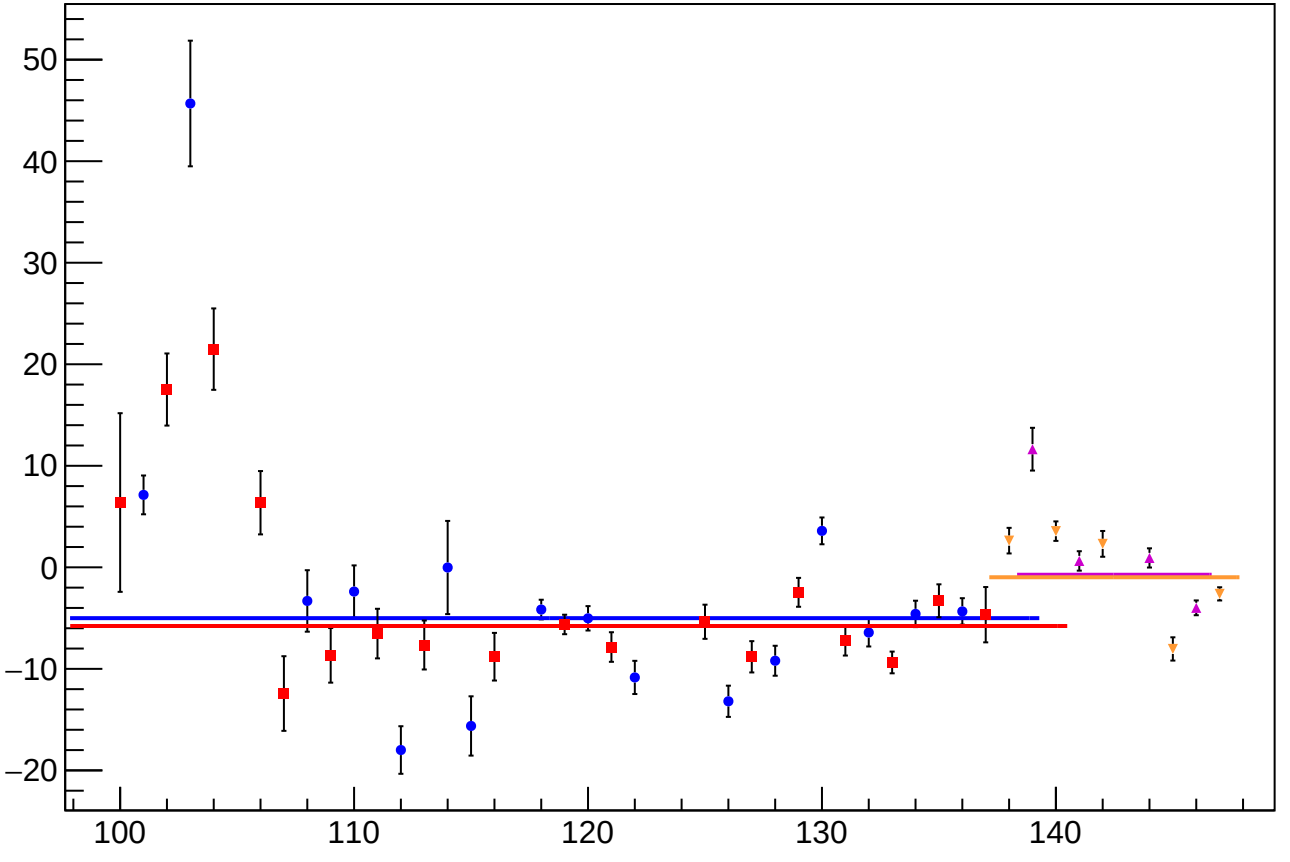
Left In: -20.657+/-0.627 χ^2/NDF:10.3/3

+ sign -19.321+/-0.335 χ^2/NDF: 1397.4/20

All: -17.637+/-0.240 χ^2/NDF: 2875.6/42

- sign -15.874+/-0.343 χ^2/NDF: 1426.5/21

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -0.979+/-0.428 χ^2/NDF:81.6/4

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

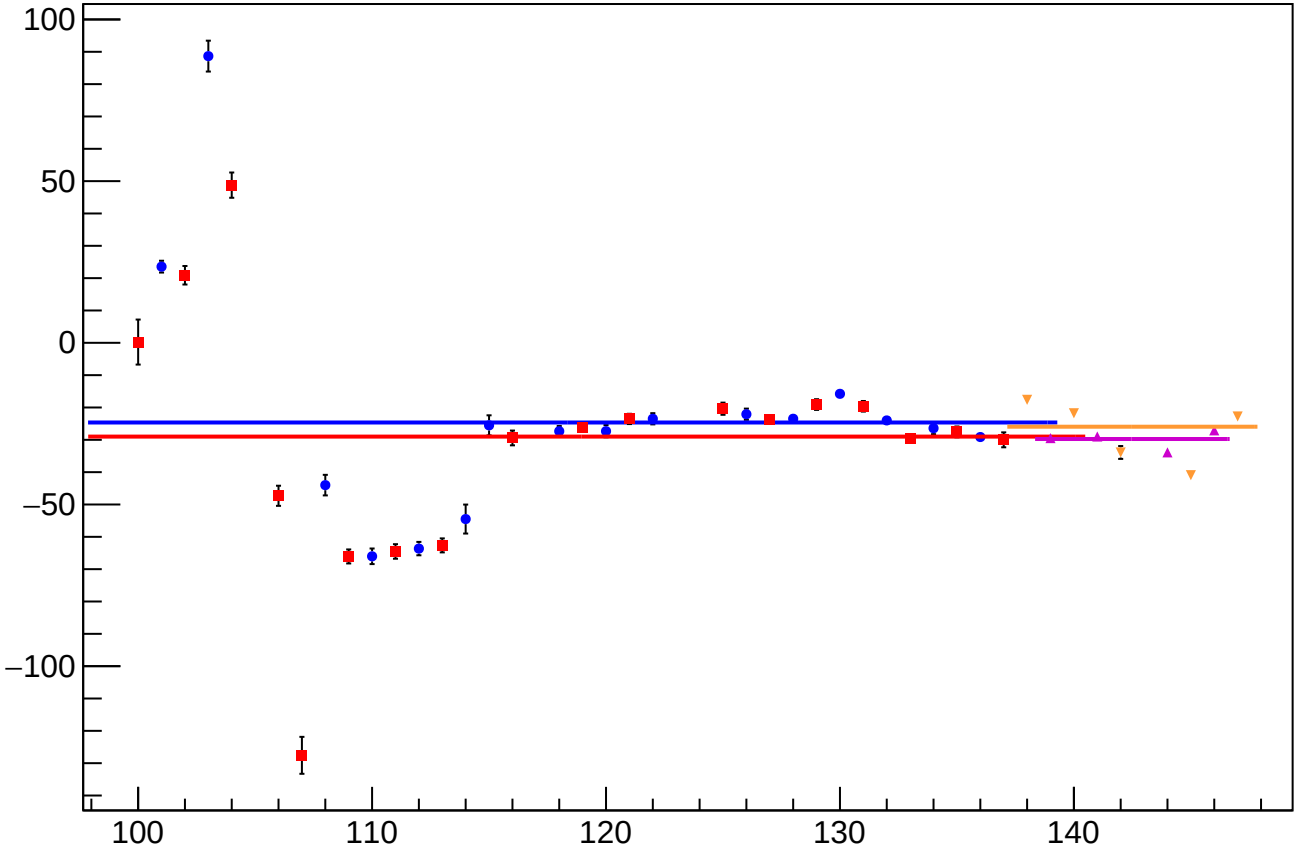
Left In: -0.732+/-0.481 χ^2/NDF:59.6/3

+ sign -3.121+/-0.293 χ^2/NDF: 376.4/20

All: -3.342+/-0.215 χ^2/NDF: 639.1/42

- sign -3.600+/-0.316 χ^2/NDF: 261.4/21

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -25.944+/-0.606 χ^2/NDF:199.5/4

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

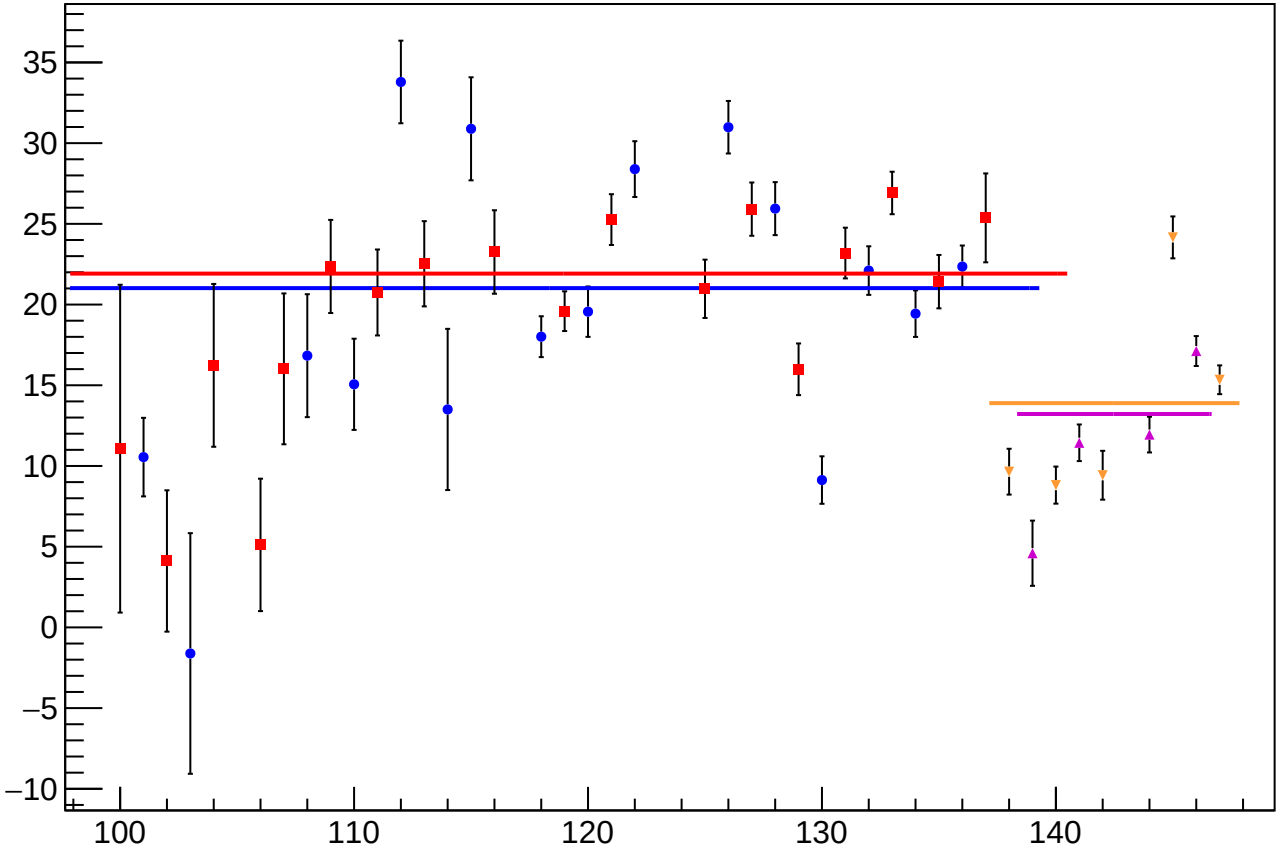
Left In: -29.746+/-0.636 χ^2/NDF:15.0/3

+ sign -25.111+/-0.364 χ^2/NDF: 2254.3/20

All: -27.096+/-0.263 χ^2/NDF: 4284.8/42

- sign -29.268+/-0.381 χ^2/NDF: 1968.1/21

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 13.894+/-0.531 χ^2/NDF:102.4/4

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

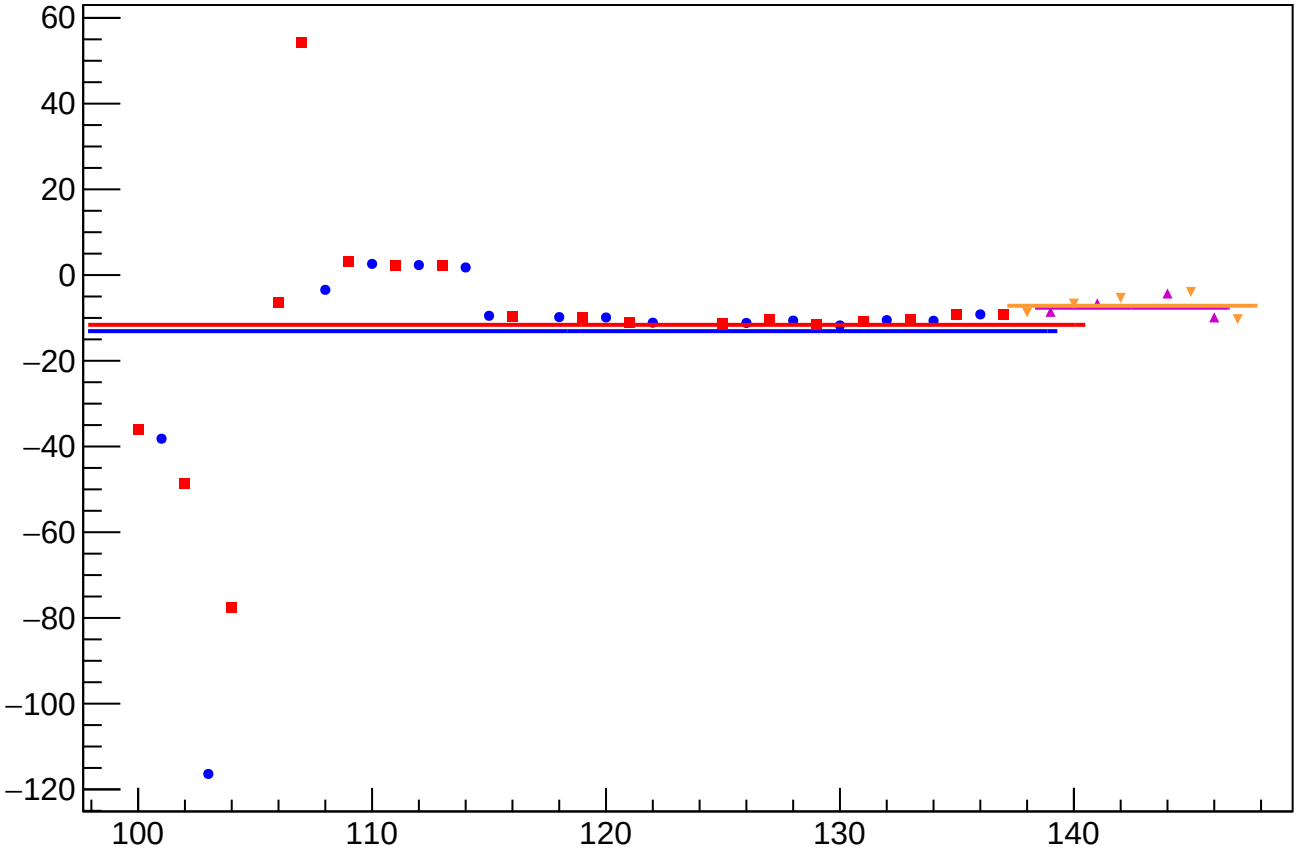
Left In: 13.221+/-0.577 χ^2/NDF:39.8/3

+ sign 17.980+/-0.347 χ^2/NDF: 415.2/20

All: 18.165+/-0.253 χ^2/NDF: 672.7/42

- sign 18.374+/-0.368 χ^2/NDF: 257.0/21

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.155+/-0.025 χ^2/NDF:8084.3/4

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

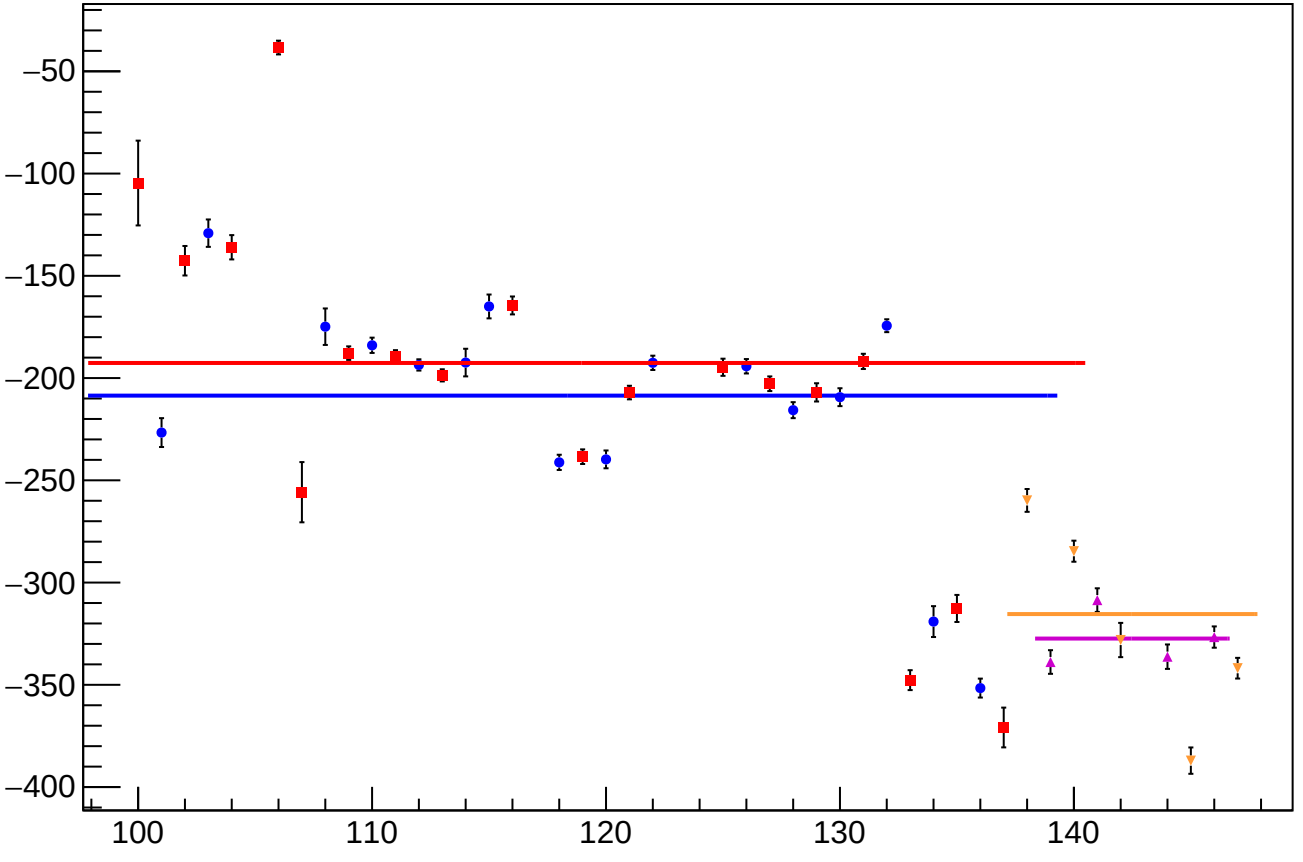
Left In: -7.614+/-0.026 χ^2/NDF:5835.6/3

+ sign -9.774+/-0.019 χ^2/NDF: 377364.8/20

All: -9.524+/-0.014 χ^2/NDF: 707636.8/42

- sign -9.250+/-0.020 χ^2/NDF: 329903.9/21

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -315.403+/-2.606 χ^2/NDF:288.2/4

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

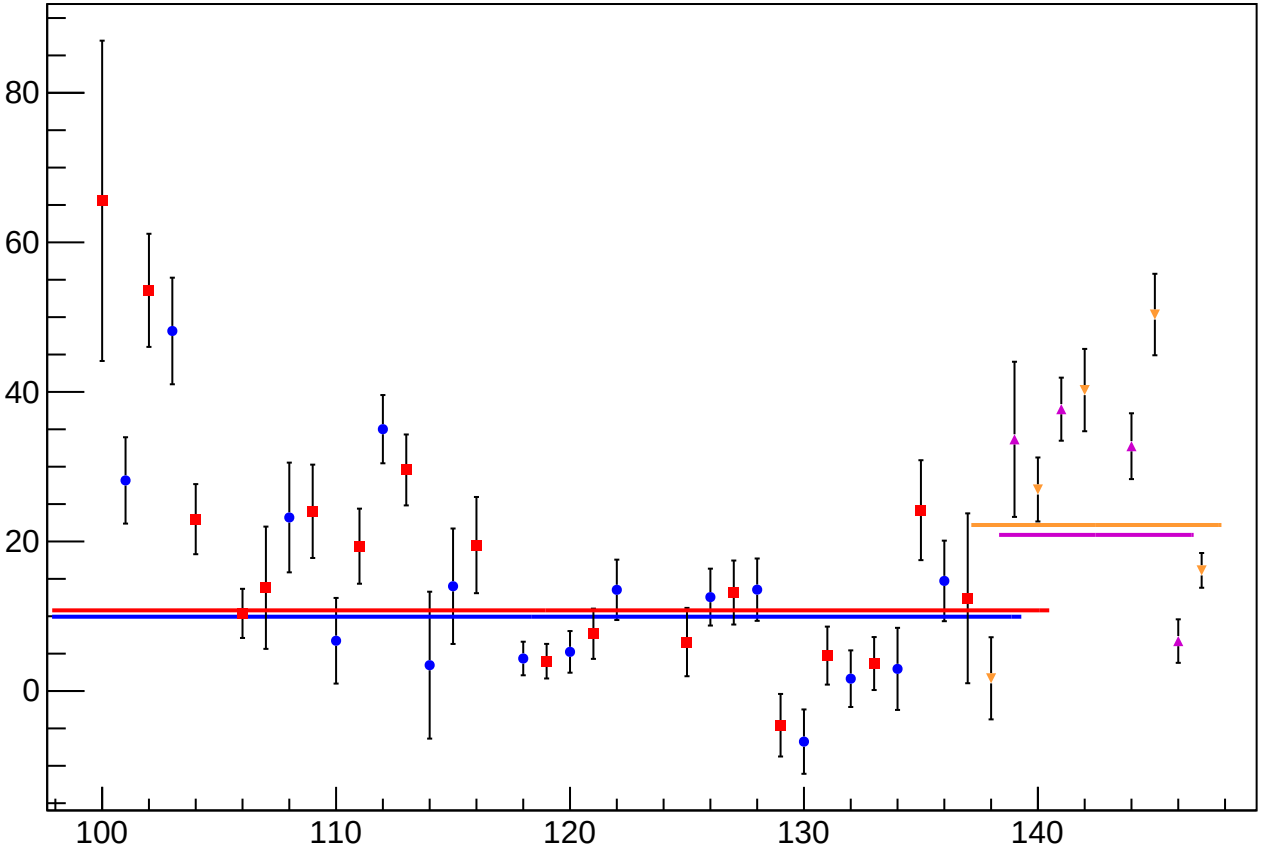
Left In: -327.382+/-2.830 χ^2/NDF:16.8/3

+ sign -223.908+/-0.987 χ^2/NDF: 3478.3/20

All: -215.343+/-0.681 χ^2/NDF: 9862.1/42

- sign -207.543+/-0.942 χ^2/NDF: 6240.0/21

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 22.204+/-1.716 χ^2/NDF:59.4/4

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

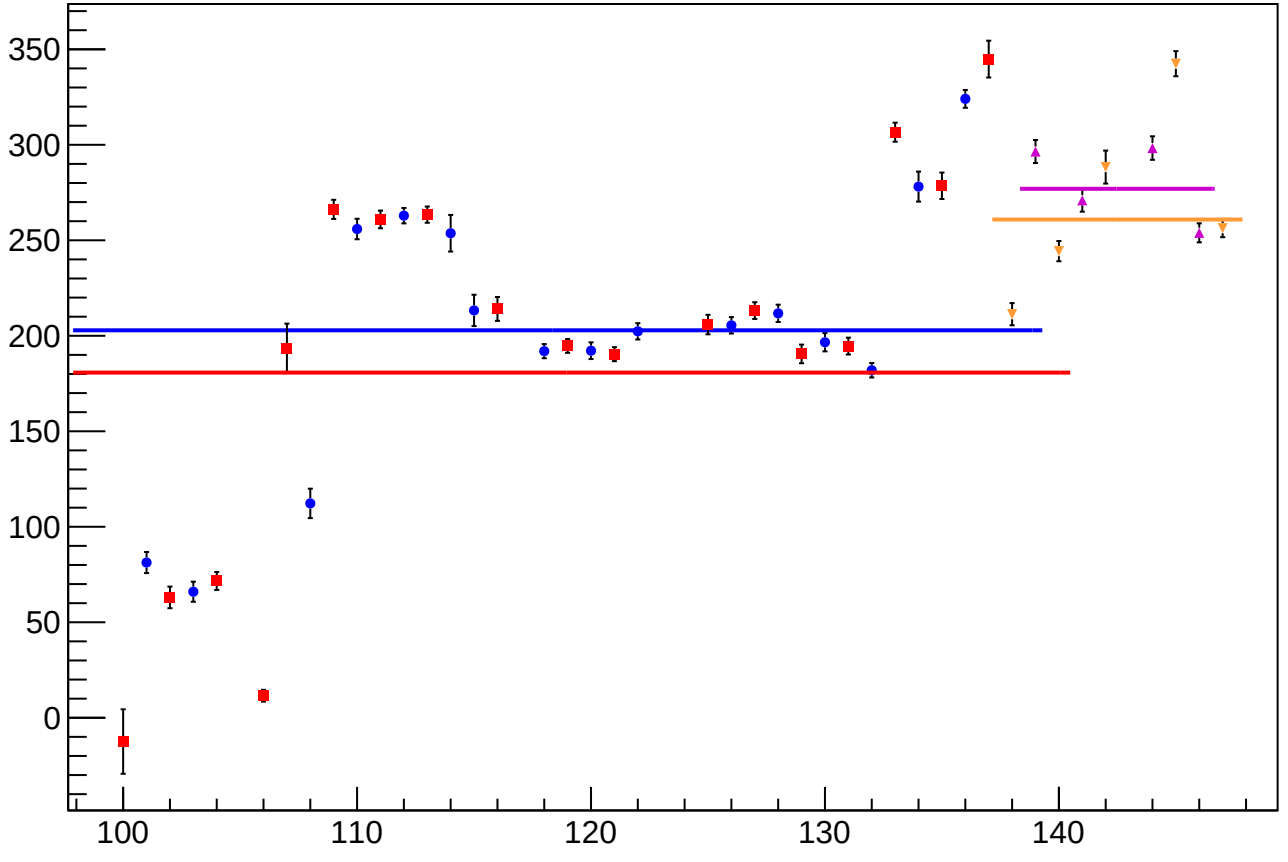
Left In: 20.880+/-2.062 χ^2/NDF:48.5/3

+ sign 13.351+/-0.905 χ^2/NDF: 202.9/20

All: 13.106+/-0.649 χ^2/NDF: 375.6/42

- sign 12.846+/-0.931 χ^2/NDF: 172.6/21

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 260.885+/-2.611 χ^2/NDF:247.3/4

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

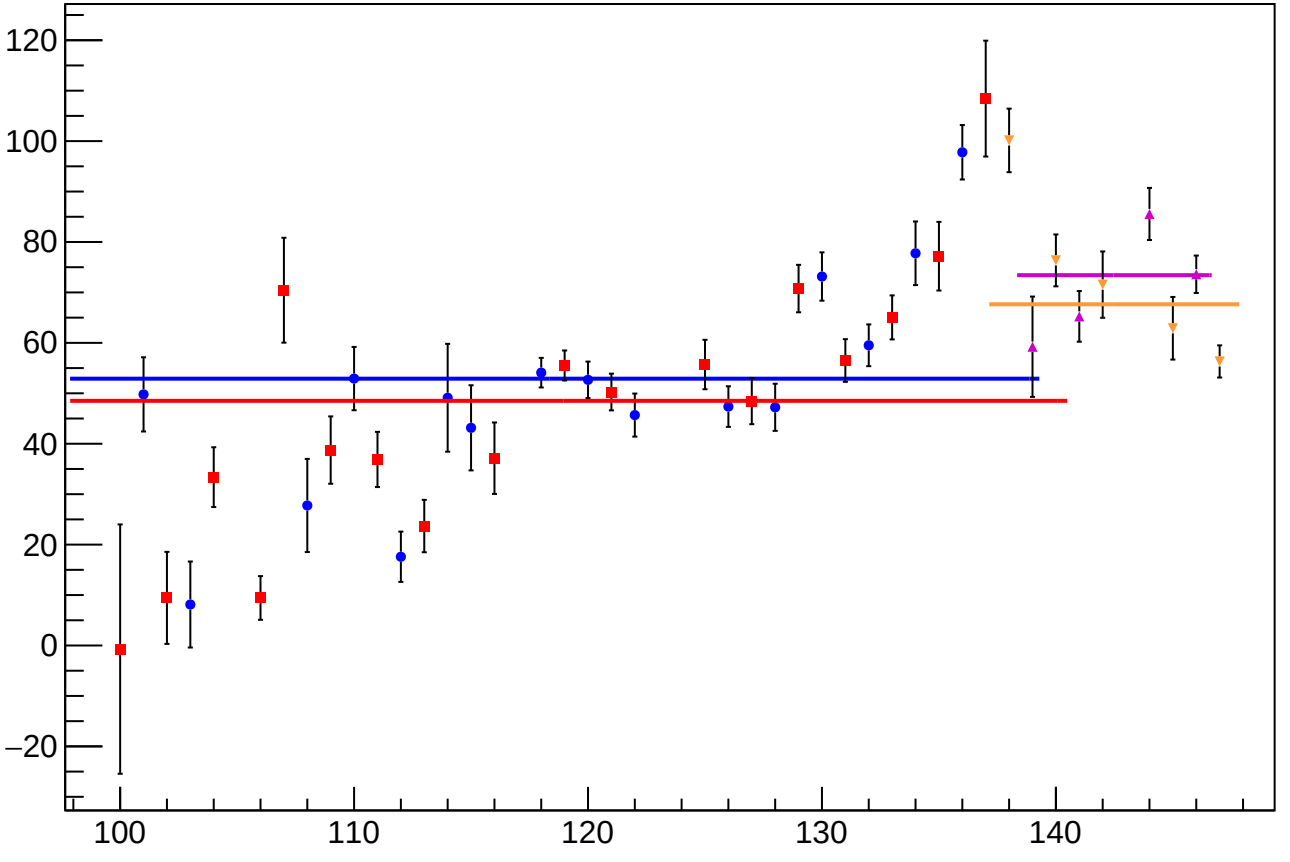
Left In: 276.958+/-2.854 χ^2/NDF:45.0/3

+ sign 213.344+/-1.109 χ^2/NDF: 3115.9/20

All: 203.269+/-0.767 χ^2/NDF: 10646.3/42

- sign 194.045+/-1.062 χ^2/NDF: 7372.4/21

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 67.646+/-2.180 χ^2/NDF:43.0/4

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

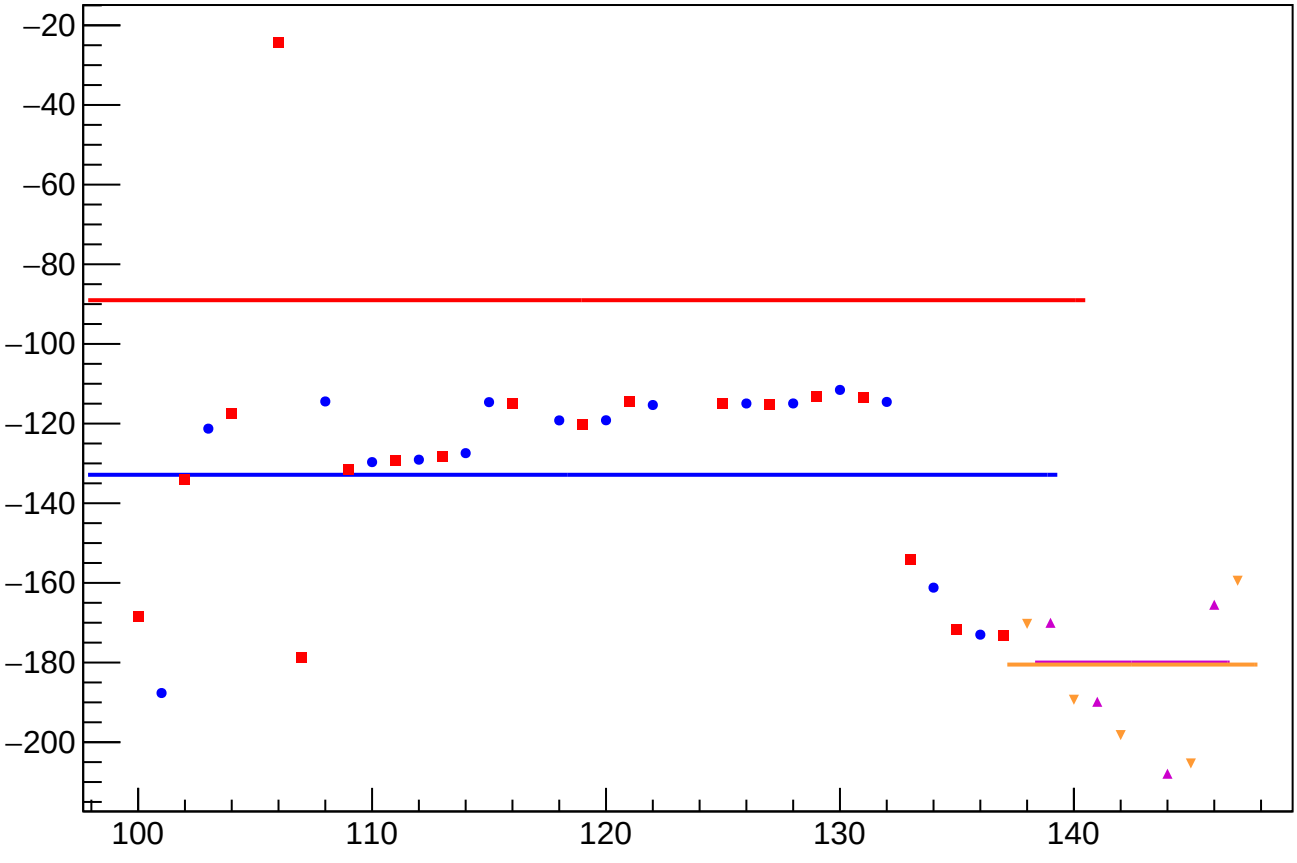
Left In: 73.422+/-2.500 χ^2/NDF:10.2/3

+ sign 56.510+/-1.079 χ^2/NDF: 275.9/20

All: 54.908+/-0.768 χ^2/NDF: 610.9/42

- sign 53.265+/-1.092 χ^2/NDF: 330.5/21

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -180.507+/-0.111 χ^2/NDF:24957.6/4

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

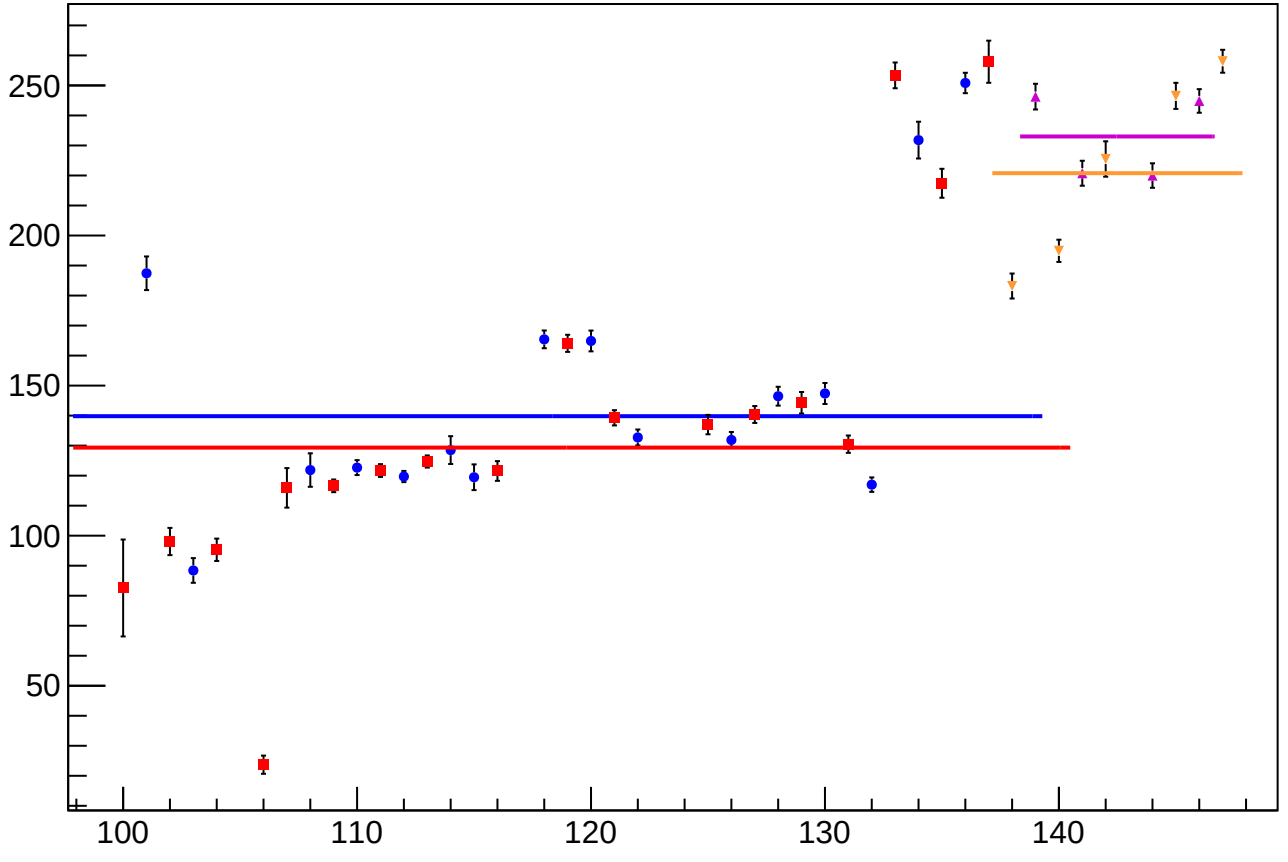
Left In: -180.004+/-0.117 χ^2/NDF:18638.3/3

+ sign -149.564+/-0.066 χ^2/NDF: 238754.2/20

All: -126.868+/-0.043 χ^2/NDF: 1661062.3/42

- sign -110.180+/-0.056 χ^2/NDF: 1214320.5/21

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 220.772+/-1.886 χ^2/NDF:261.8/4

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

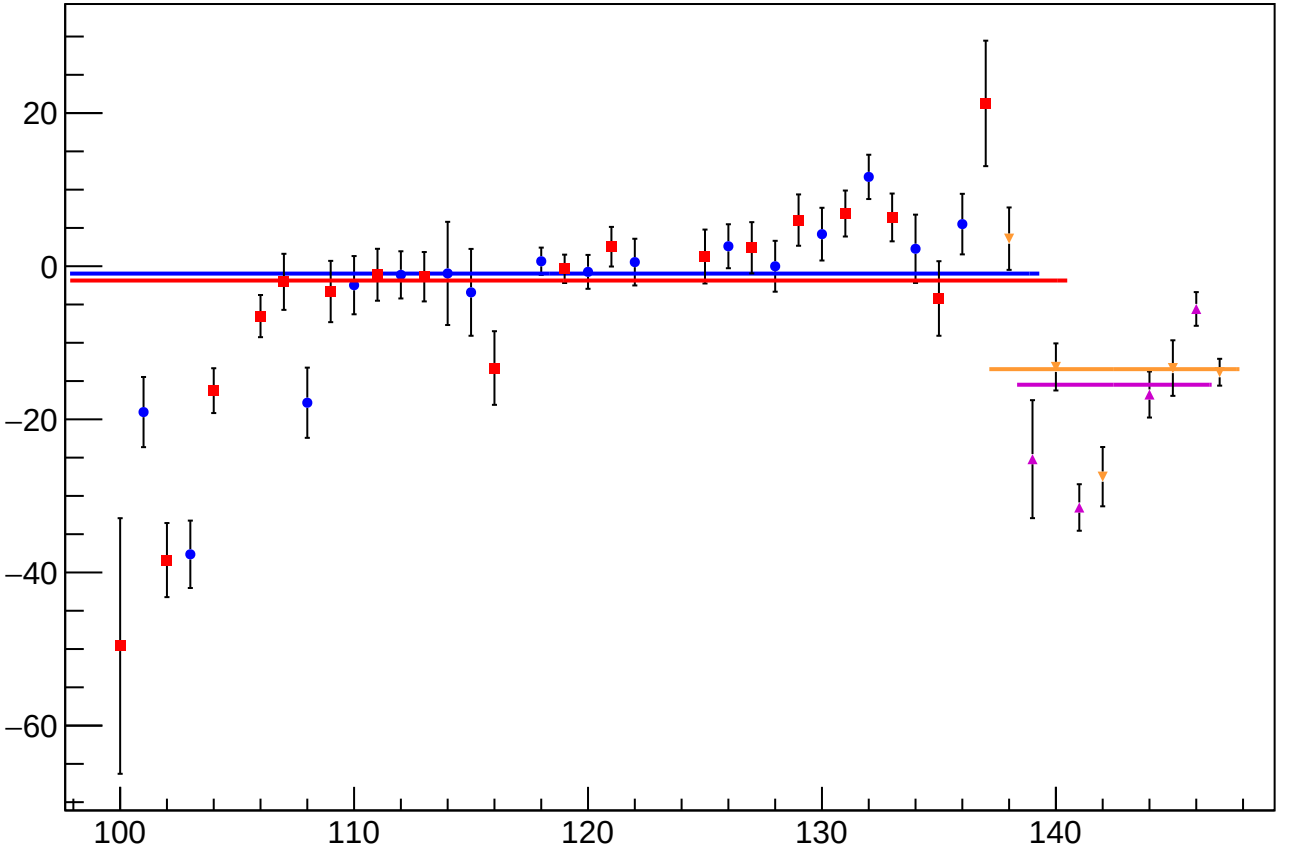
Left In: 233.000+/-2.053 χ^2/NDF:37.5/3

+ sign 151.754+/-0.724 χ^2/NDF: 3797.7/20

All: 146.177+/-0.500 χ^2/NDF: 9331.6/42

- sign 141.096+/-0.691 χ^2/NDF: 5420.6/21

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.445+/-1.256 χ^2/NDF:30.7/4

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

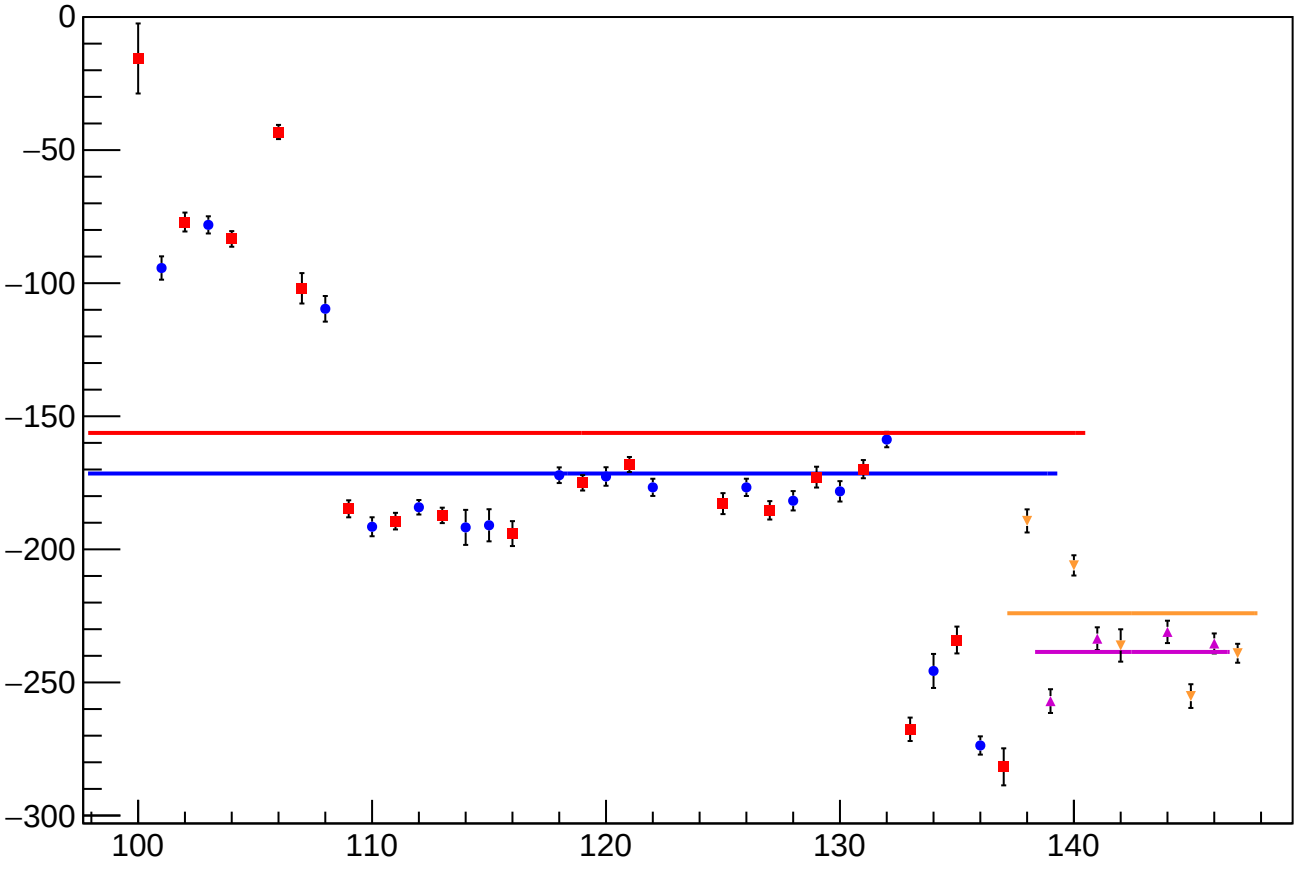
Left In: -15.479+/-1.504 χ^2/NDF:49.8/3

+ sign -4.620+/-0.680 χ^2/NDF: 226.6/20

All: -4.695+/-0.486 χ^2/NDF: 474.1/42

- sign -4.774+/-0.695 χ^2/NDF: 247.4/21

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.008+/-1.895 χ^2/NDF:156.8/4

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

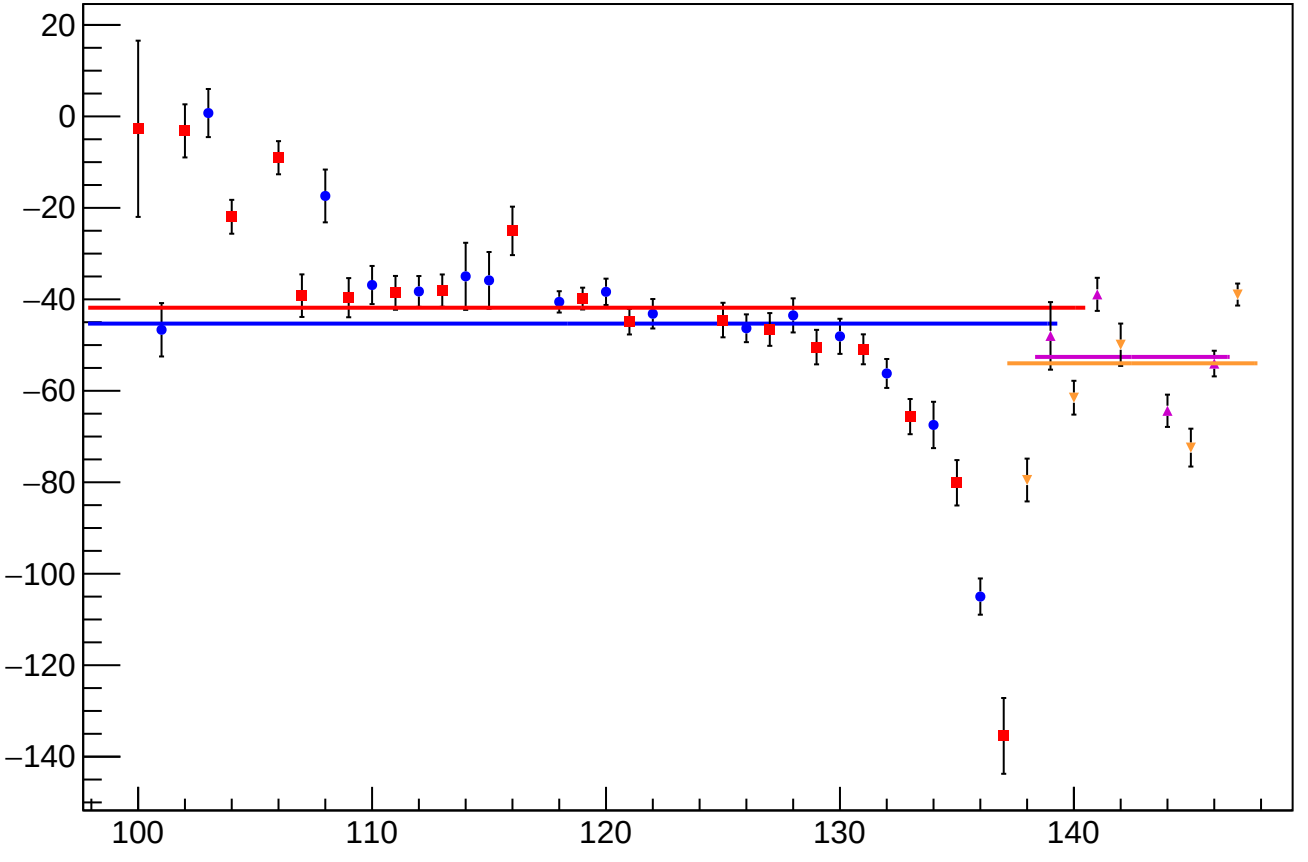
Left In: -238.545+/-2.074 χ^2/NDF:22.4/3

\+ sign -181.291+/-0.818 χ^2/NDF: 3224.3/20

All: -174.384+/-0.566 χ^2/NDF: 9637.2/42

\- sign -168.032+/-0.784 χ^2/NDF: 6276.0/21

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -53.987+/-1.587 χ^2/NDF:93.5/4

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

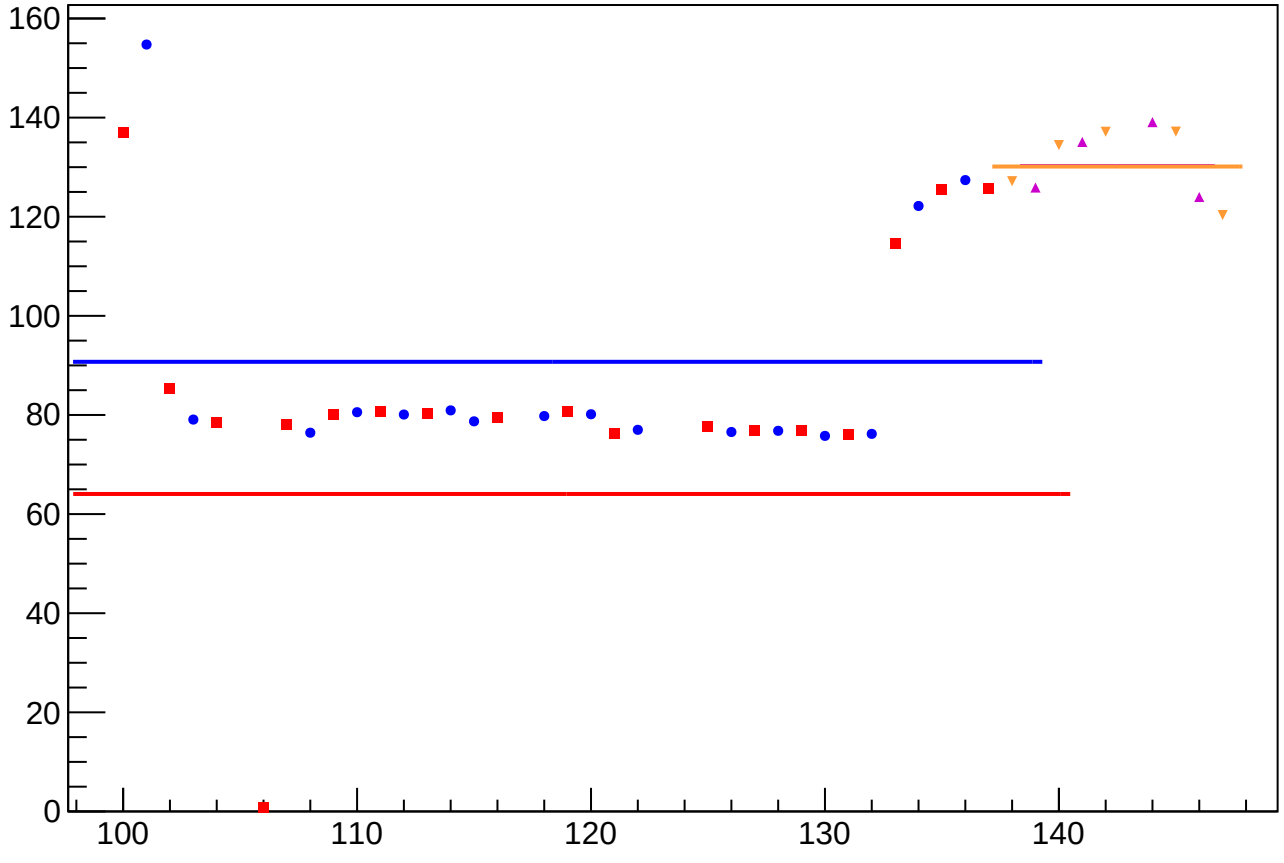
Left In: -52.588+/-1.819 χ^2/NDF:26.1/3

+ sign -47.550+/-0.807 χ^2/NDF: 497.8/20

All: -45.780+/-0.573 χ^2/NDF: 975.8/42

- sign -43.983+/-0.813 χ^2/NDF: 468.3/21

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 130.129+/-0.080 χ^2/NDF:7145.0/4

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

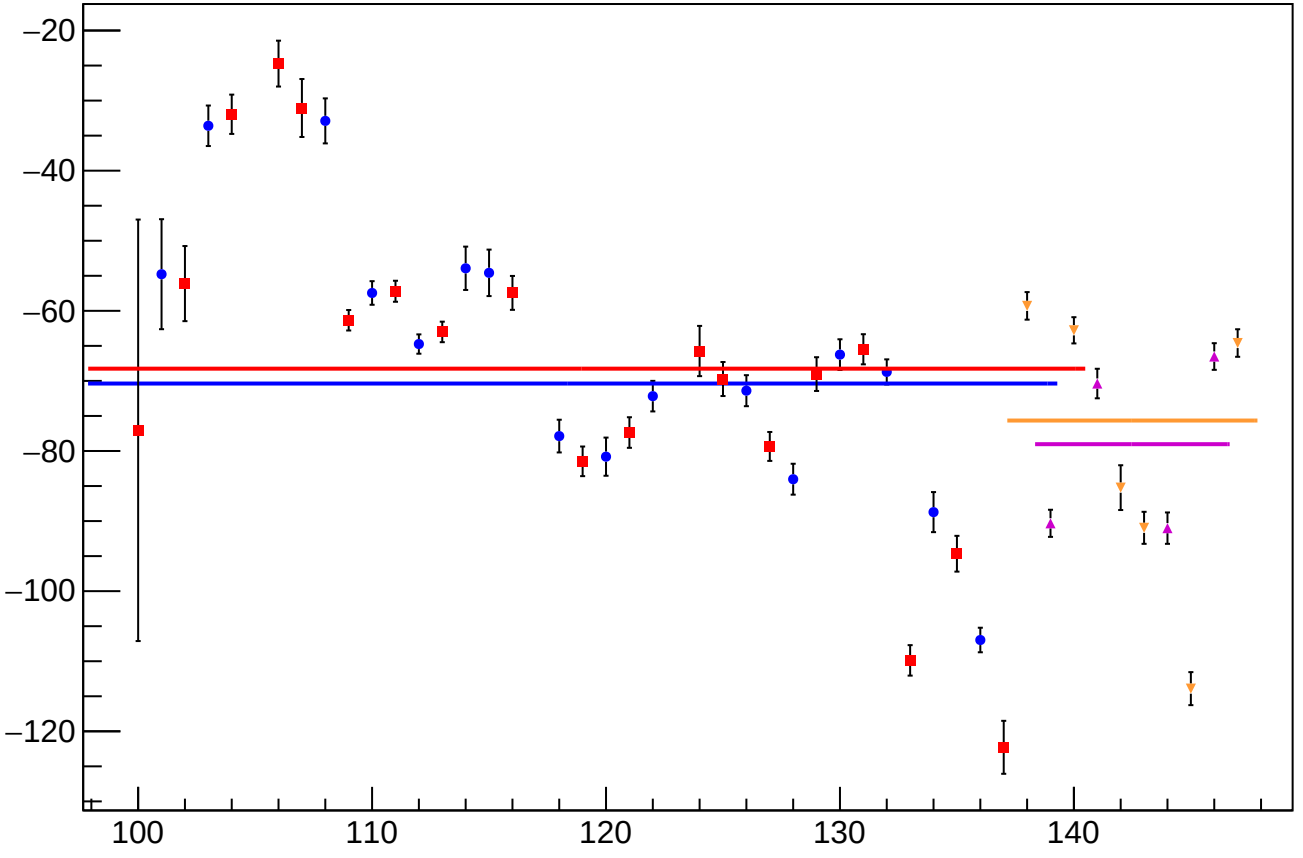
Left In: 130.228+/-0.085 χ^2/NDF:5226.8/3

+ sign 104.406+/-0.047 χ^2/NDF: 325894.6/20

All: 91.354+/-0.032 χ^2/NDF: 1584342.6/42

- sign 80.728+/-0.043 χ^2/NDF: 1120044.1/21

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -75.654+/-0.886 χ^2/NDF:465.8/5

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

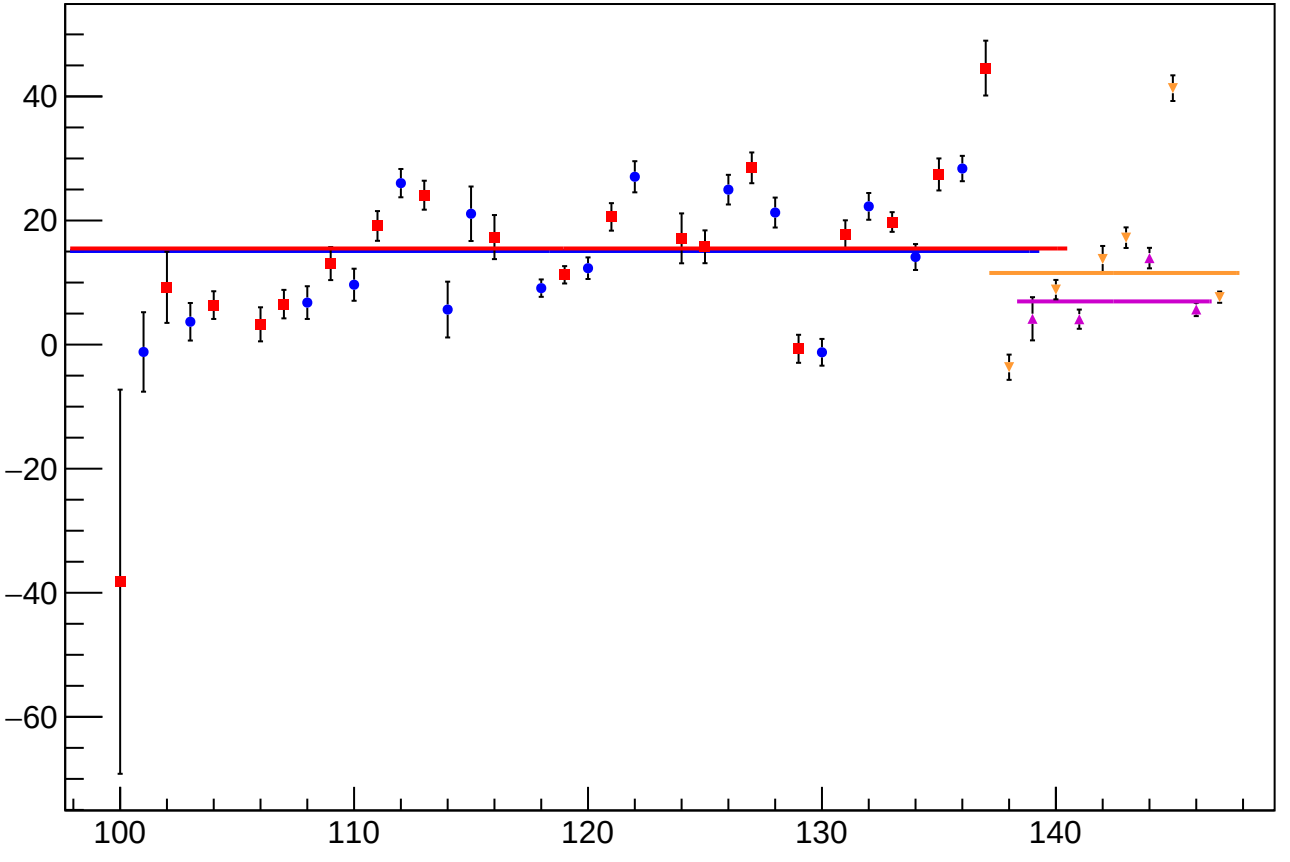
Left In: -79.028+/-1.016 χ^2/NDF:122.8/3

+ sign -71.872+/-0.472 χ^2/NDF: 1466.2/21

All: -71.196+/-0.332 χ^2/NDF: 2987.7/44

- sign -70.533+/-0.468 χ^2/NDF: 1517.4/22

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 11.547+/-0.609 χ^2/NDF:297.5/5

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

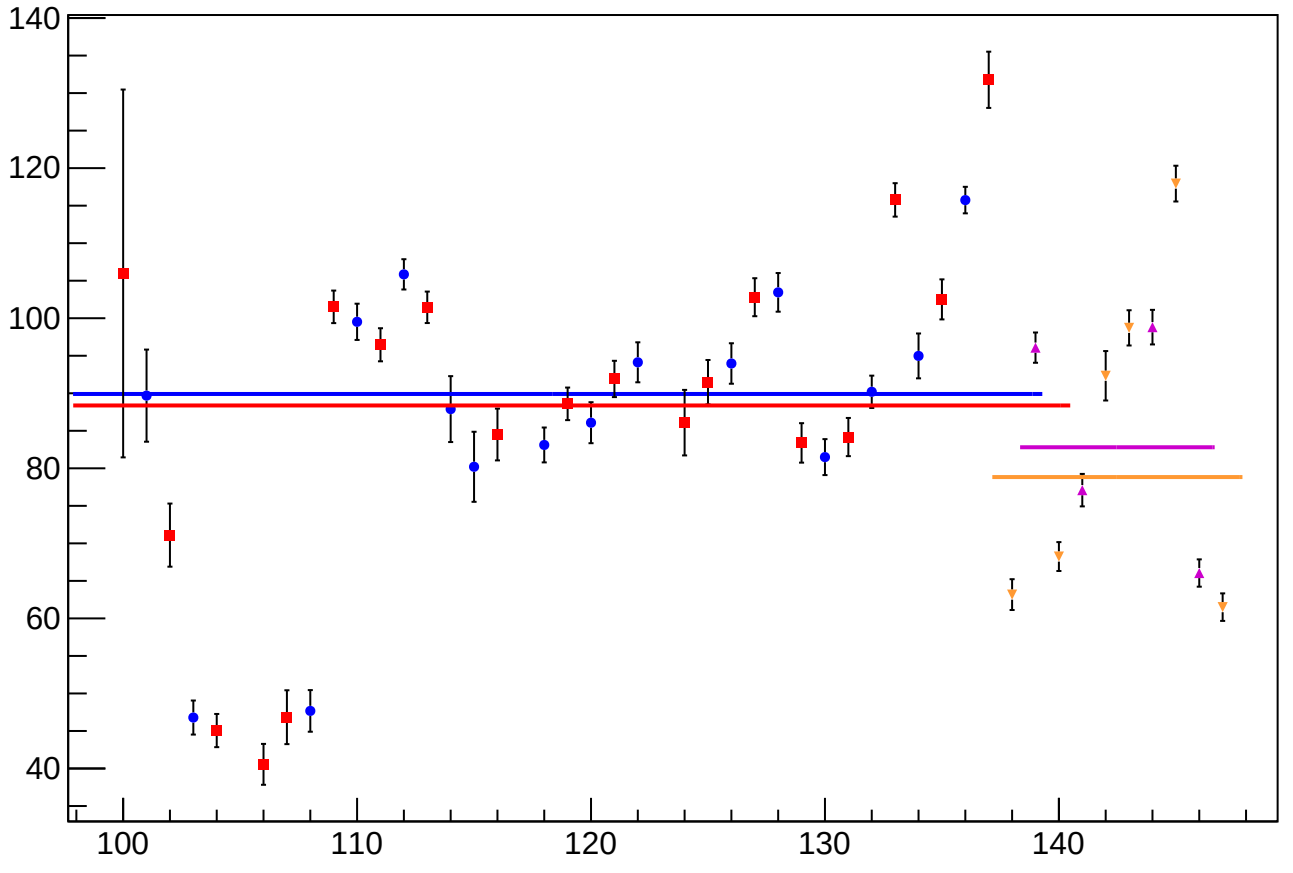
Left In: 6.960+/-0.758 χ^2/NDF:23.4/3

+ sign 13.404+/-0.420 χ^2/NDF: 557.7/21

All: 12.977+/-0.307 χ^2/NDF: 904.8/44

- sign 12.490+/-0.449 χ^2/NDF: 344.9/22

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 78.835+/-0.893 χ^2/NDF:535.4/5

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

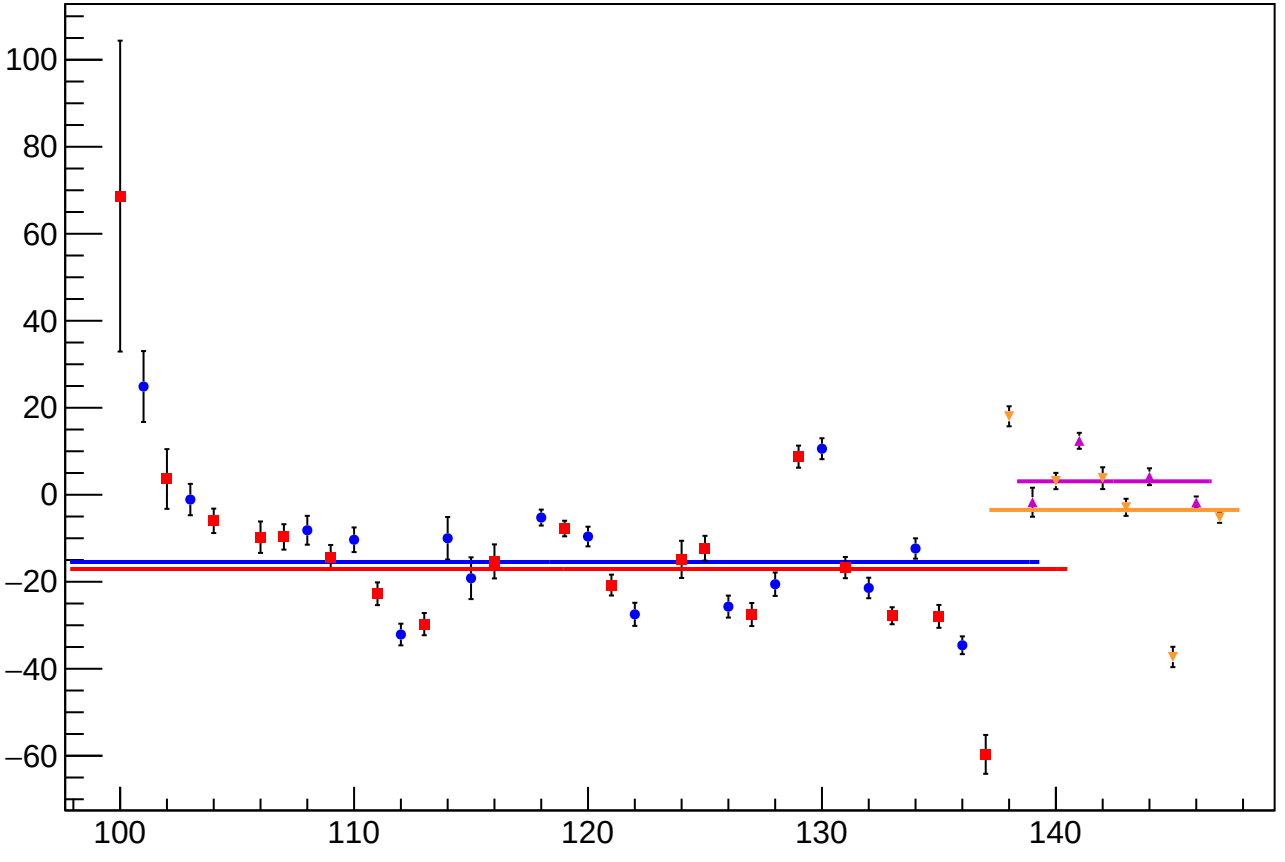
Left In: 82.806+/-1.026 χ^2/NDF:183.3/3

+ sign 86.144+/-0.521 χ^2/NDF: 1584.7/21

All: 86.513+/-0.371 χ^2/NDF: 3079.4/44

- sign 86.895+/-0.529 χ^2/NDF: 1493.7/22

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.490+/-0.761 χ^2/NDF:319.0/5

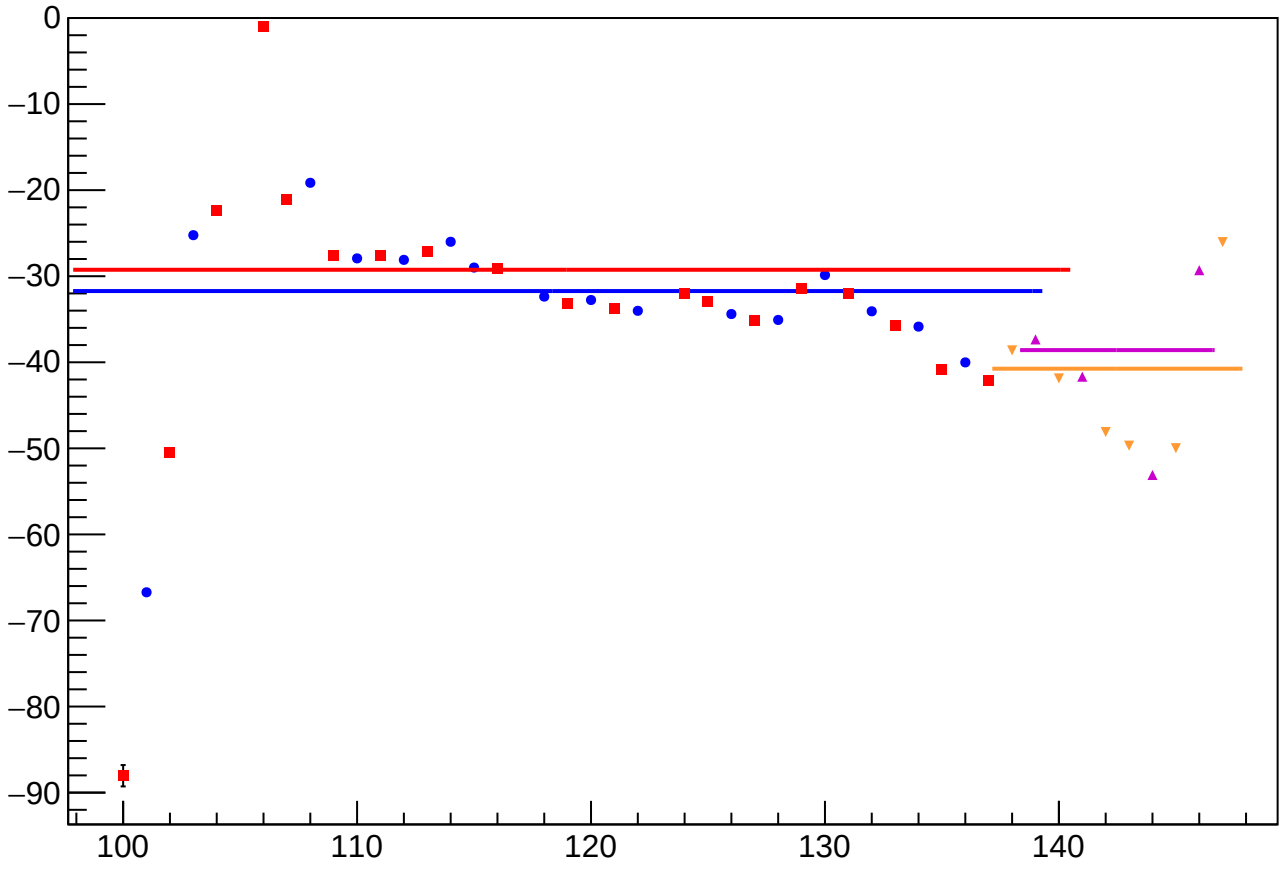
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 3.088+/-0.916 χ^2/NDF:40.7/3

+ sign -10.272+/-0.501 χ^2/NDF: 845.5/21

All: -10.333+/-0.363 χ^2/NDF: 1571.5/44

- sign -10.400+/-0.527 χ^2/NDF: 726.0/22



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -40.745+/-0.037 χ^2/NDF:54516.1/5

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

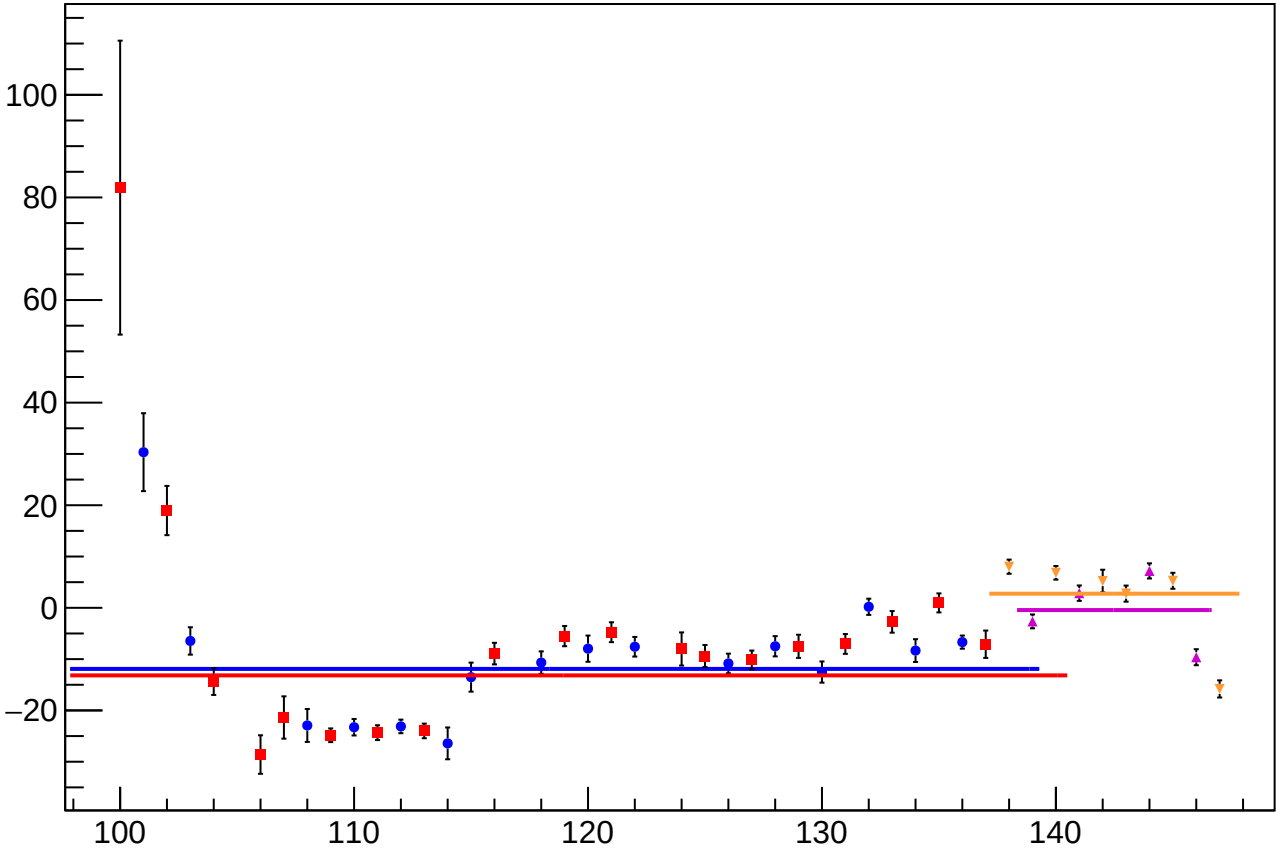
Left In: -38.585+/-0.042 χ^2/NDF:35323.5/3

+ sign -36.358+/-0.027 χ^2/NDF: 122326.0/21

All: -35.024+/-0.019 χ^2/NDF: 285271.9/44

- sign -33.551+/-0.028 χ^2/NDF: 157753.3/22

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 2.757+/-0.635 χ^2/NDF:151.0/5

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

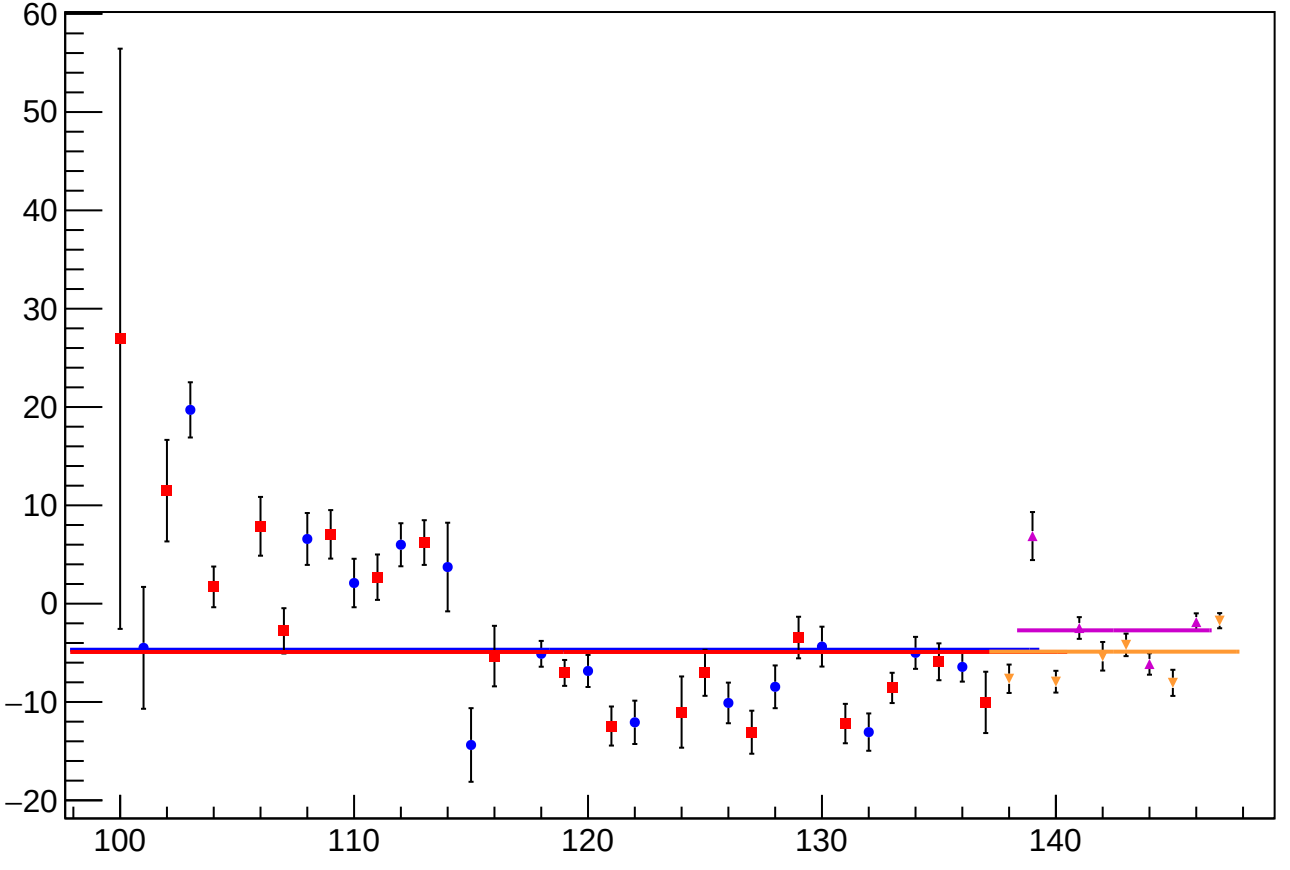
Left In: -0.436+/-0.733 χ^2/NDF:68.8/3

+ sign -6.344+/-0.391 χ^2/NDF: 763.6/21

All: -7.807+/-0.280 χ^2/NDF: 1493.7/44

- sign -9.348+/-0.402 χ^2/NDF: 701.4/22

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.881+/-0.457 χ^2/NDF:34.2/5

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

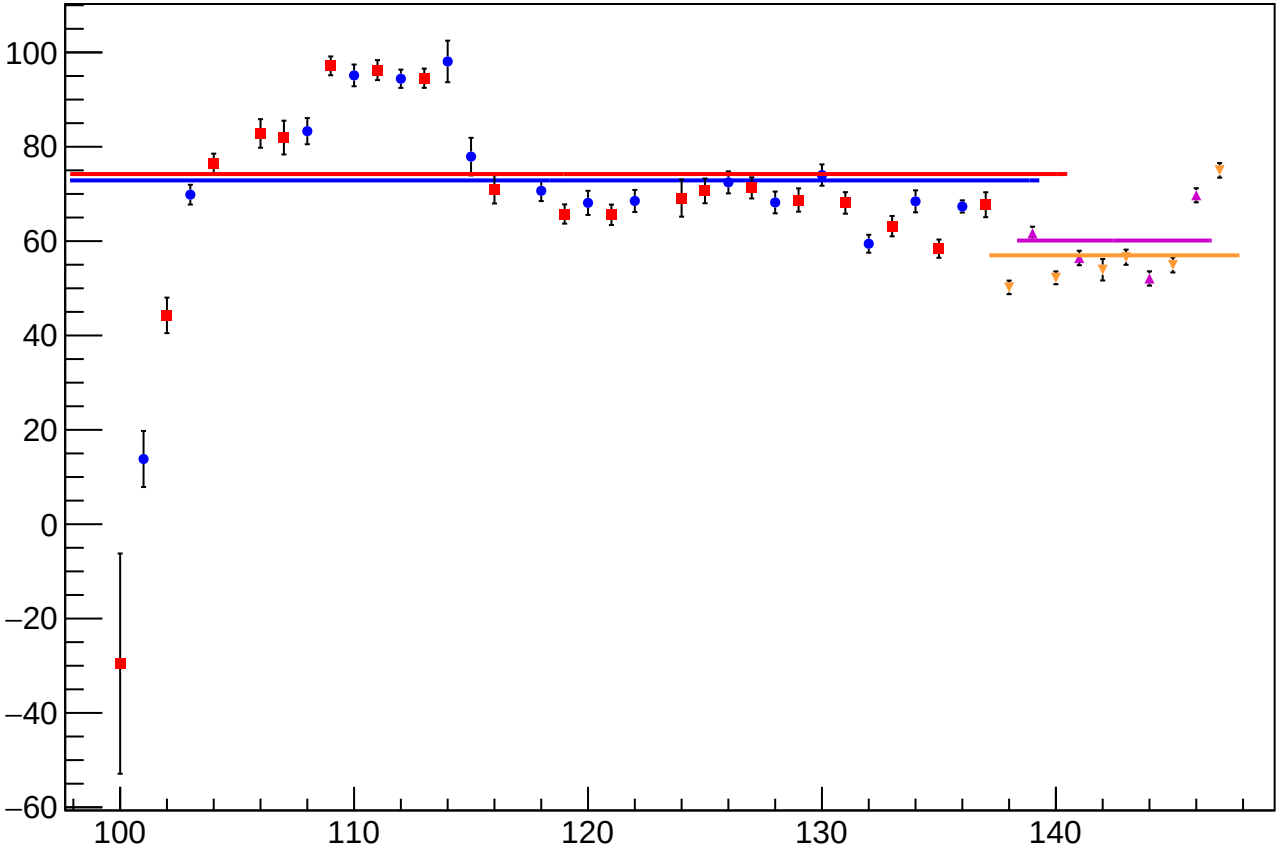
Left In: -2.713+/-0.568 χ^2/NDF:26.2/3

+ sign -4.795+/-0.342 χ^2/NDF: 213.3/21

All: -4.406+/-0.255 χ^2/NDF: 406.5/44

- sign -3.925+/-0.381 χ^2/NDF: 190.3/22

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 56.989+/-0.645 χ^2/NDF:171.3/5

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

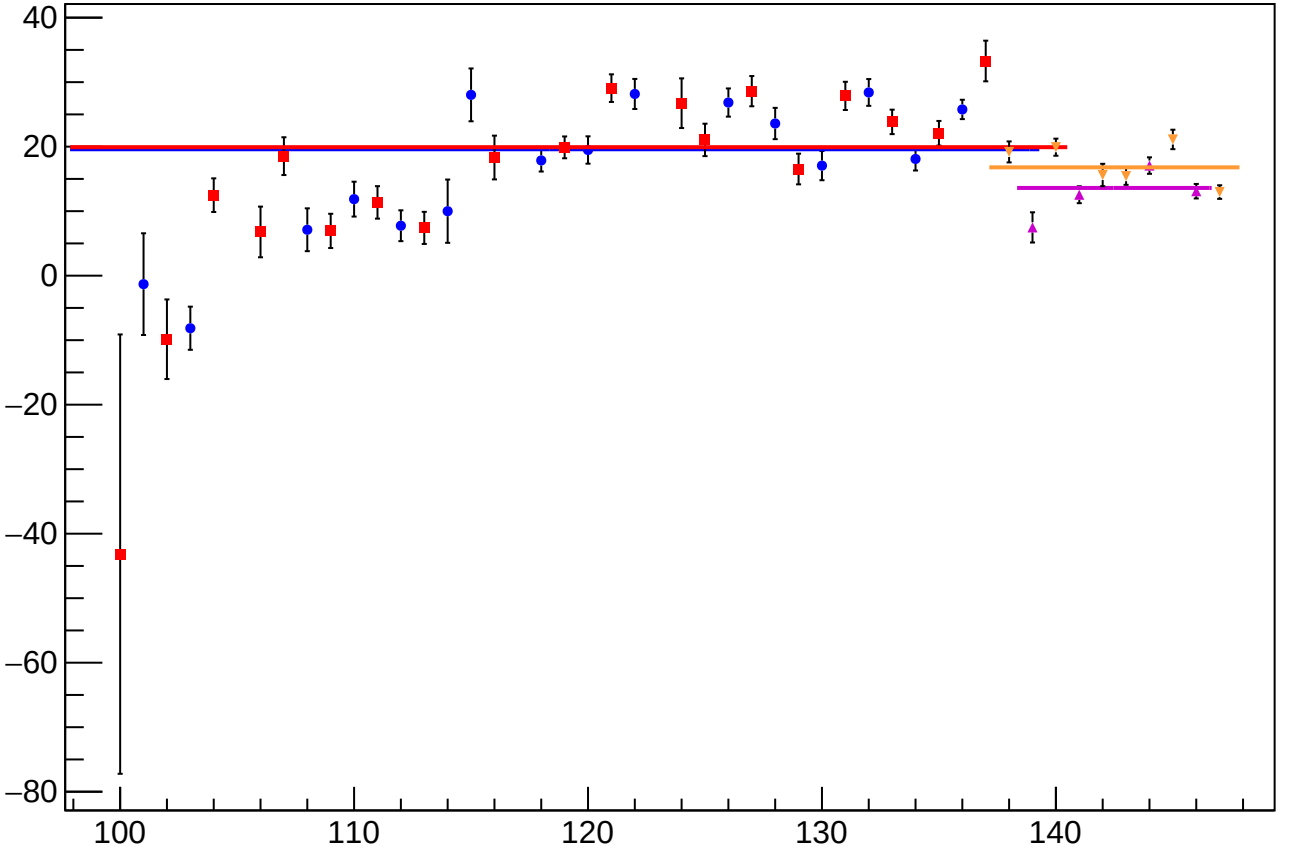
Left In: 60.125+/-0.744 χ^2/NDF:76.0/3

\+ sign 65.966+/-0.425 χ^2/NDF: 964.7/21

All: 67.448+/-0.309 χ^2/NDF: 1880.9/44

\- sign 69.097+/-0.449 χ^2/NDF: 890.5/22

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.793+/-0.562 χ^2/NDF:30.6/5

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

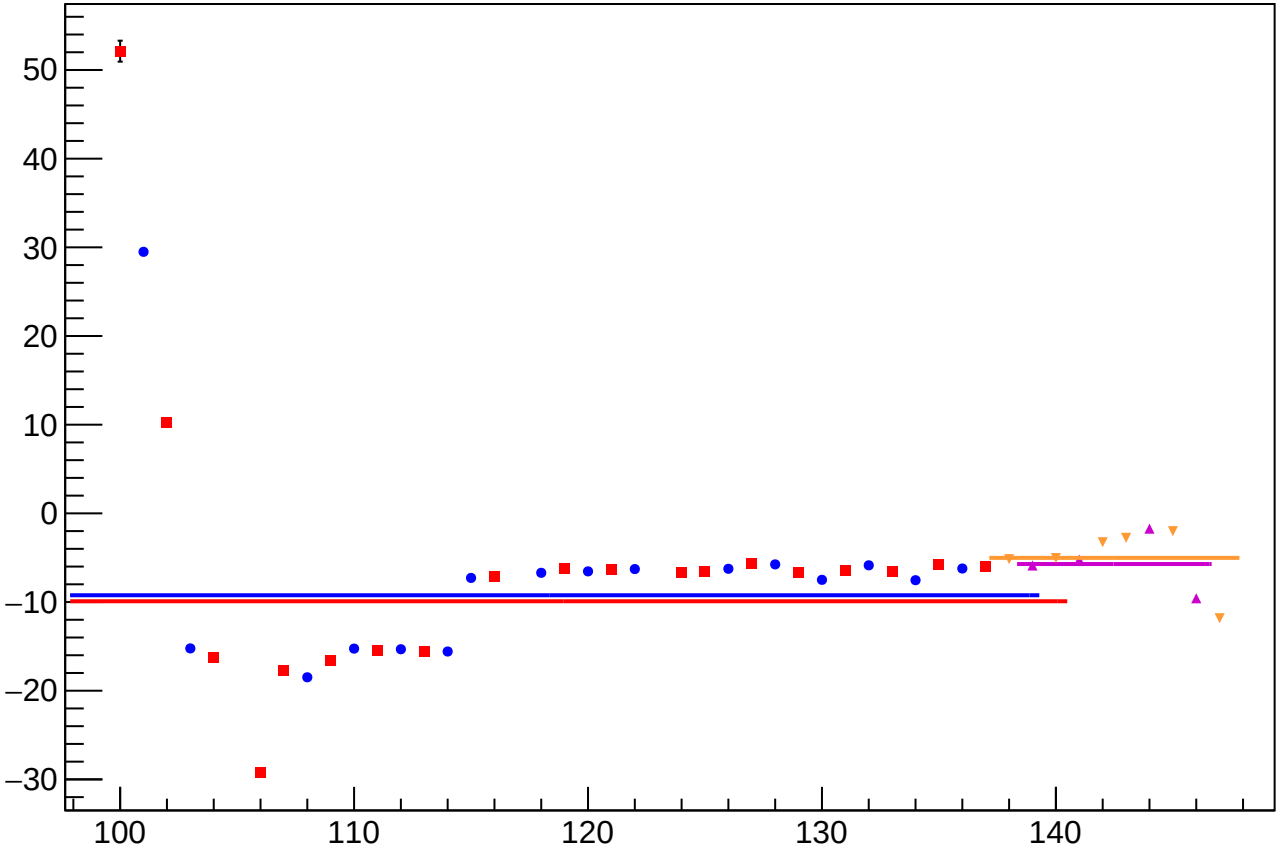
Left In: 13.601+/-0.679 χ^2/NDF:15.0/3

+ sign 18.138+/-0.405 χ^2/NDF: 238.6/21

All: 17.723+/-0.299 χ^2/NDF: 486.9/44

- sign 17.227+/-0.443 χ^2/NDF: 246.0/22

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -5.020+/-0.027 χ^2/NDF:13460.9/5

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

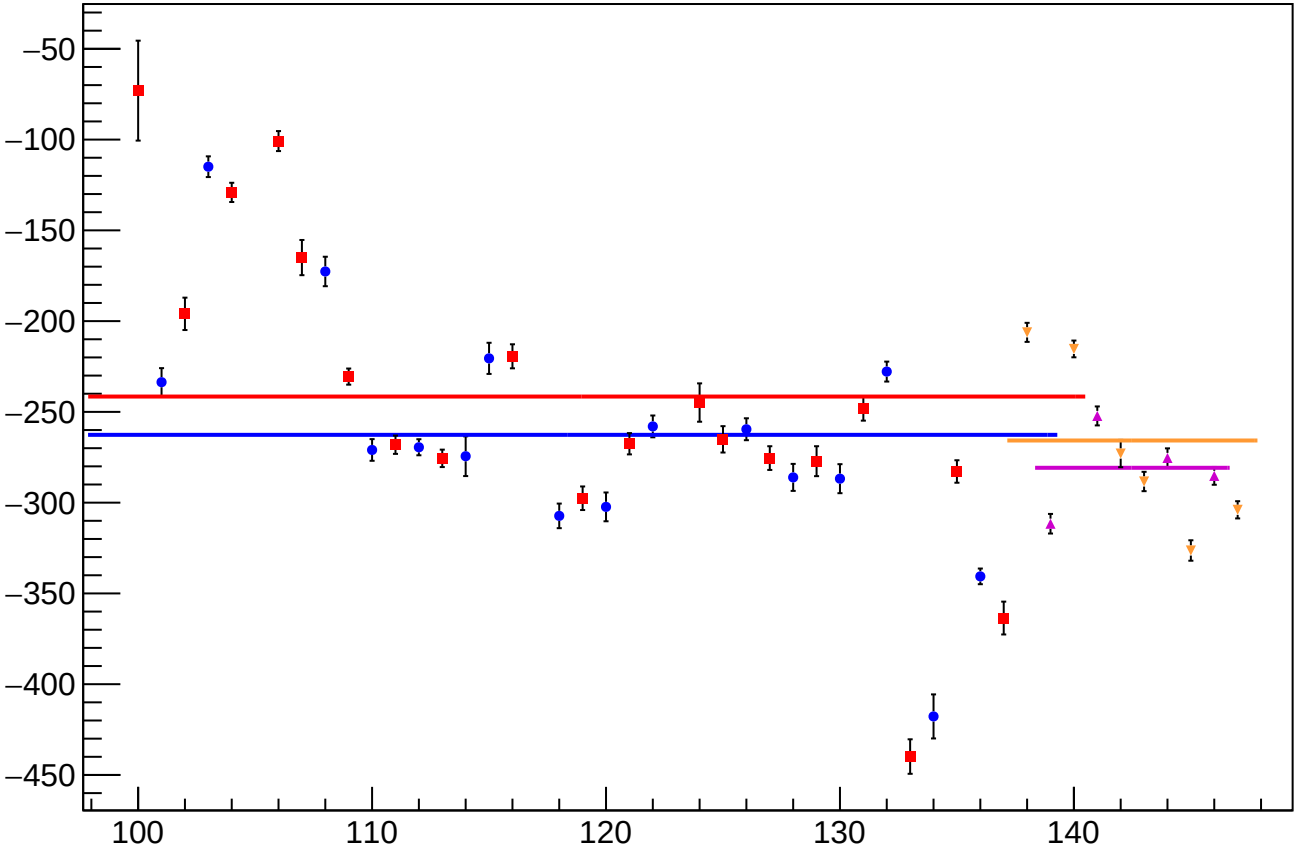
Left In: -5.714+/-0.030 χ^2/NDF:7112.3/3

+ sign -6.709+/-0.021 χ^2/NDF: 54490.8/21

All: -7.085+/-0.015 χ^2/NDF: 124615.4/44

- sign -7.531+/-0.023 χ^2/NDF: 69409.0/22

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.757+/-2.171 χ^2/NDF:447.9/5

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

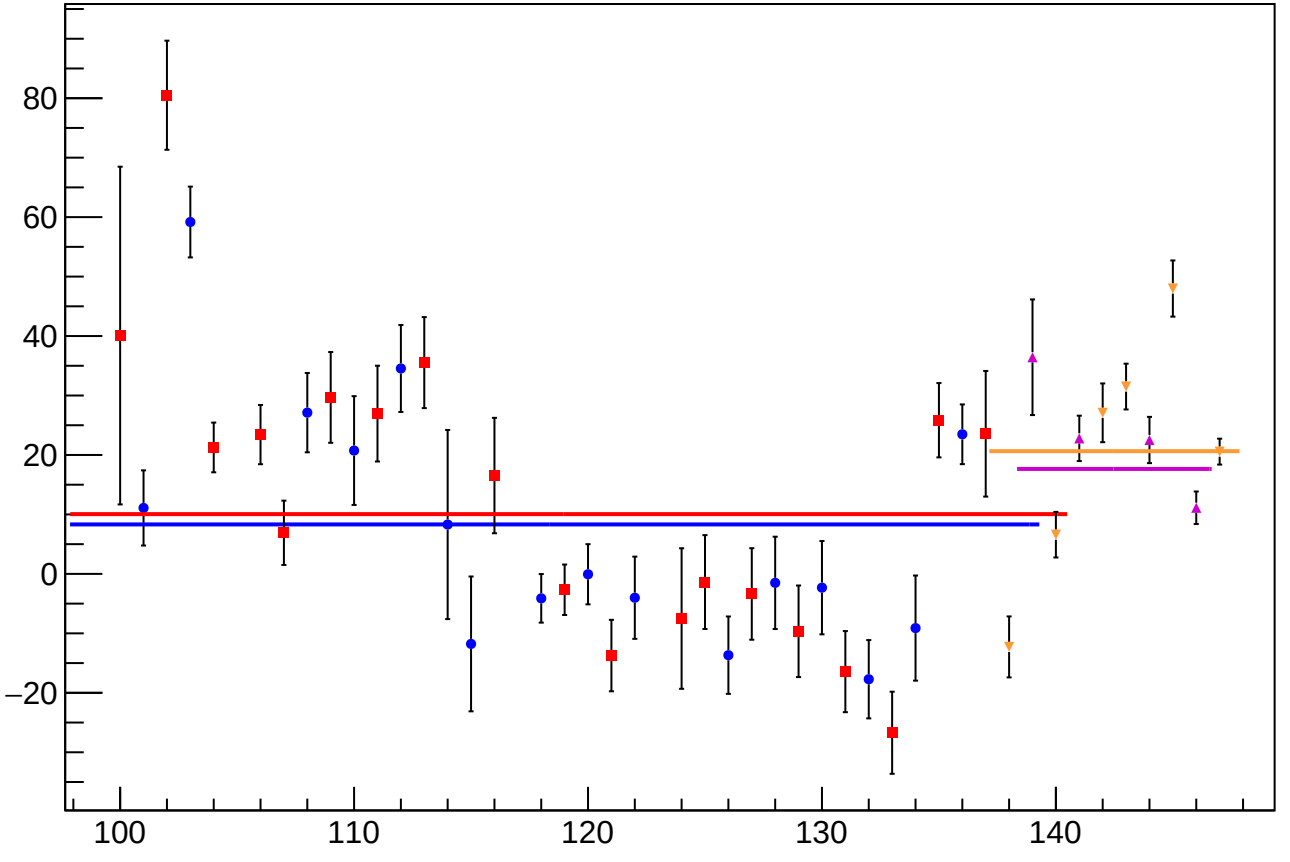
Left In: -280.795+/-2.595 χ^2/NDF:64.3/3

+ sign -263.752+/-1.295 χ^2/NDF: 1903.6/21

All: -257.629+/-0.918 χ^2/NDF: 4322.5/44

- sign -251.435+/-1.303 χ^2/NDF: 2374.0/22

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 20.638+/-1.458 χ^2/NDF:97.8/5

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

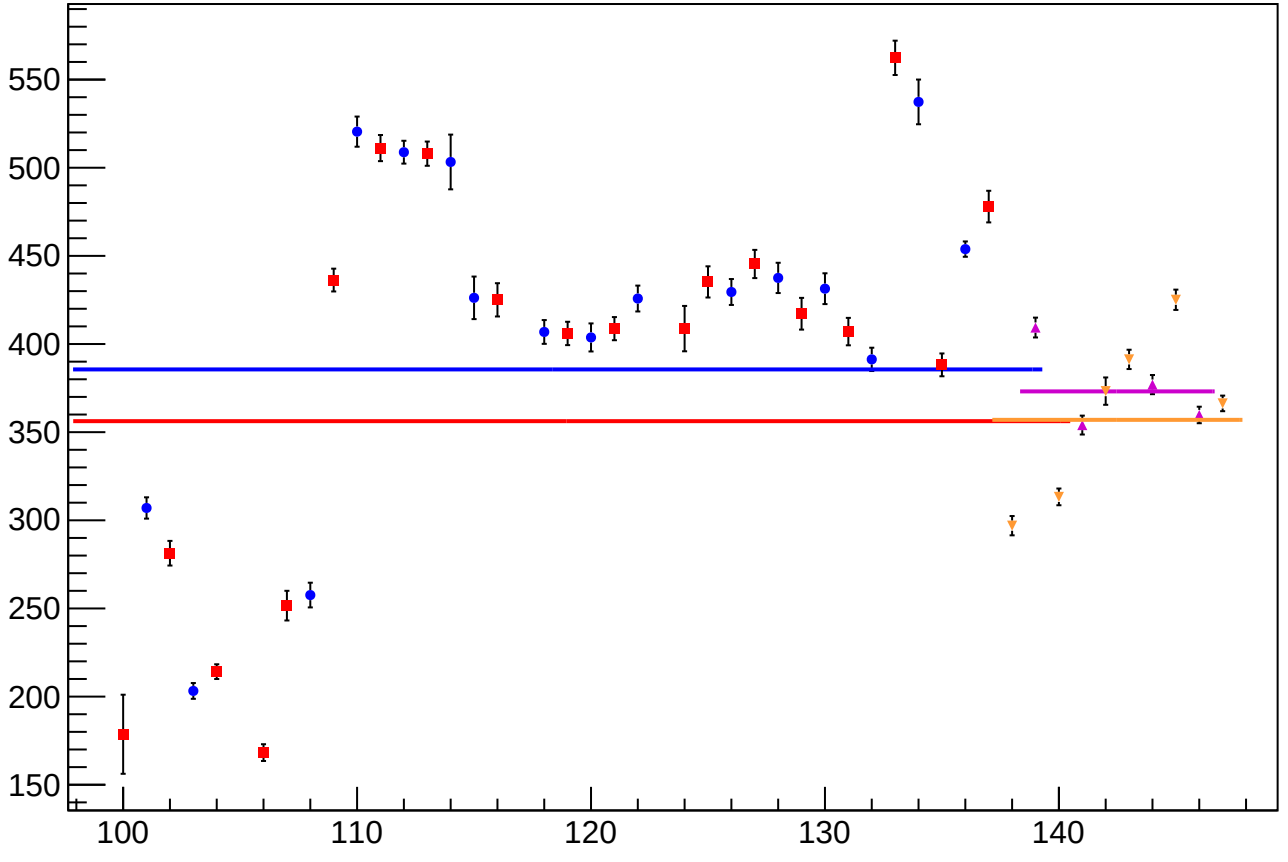
Left In: 17.650+/-1.893 χ^2/NDF:12.8/3

+ sign 15.213+/-1.091 χ^2/NDF: 286.9/21

All: 14.240+/-0.805 χ^2/NDF: 498.6/44

- sign 13.075+/-1.194 χ^2/NDF: 209.9/22

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 356.987+/-2.187 χ^2/NDF:393.1/5

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

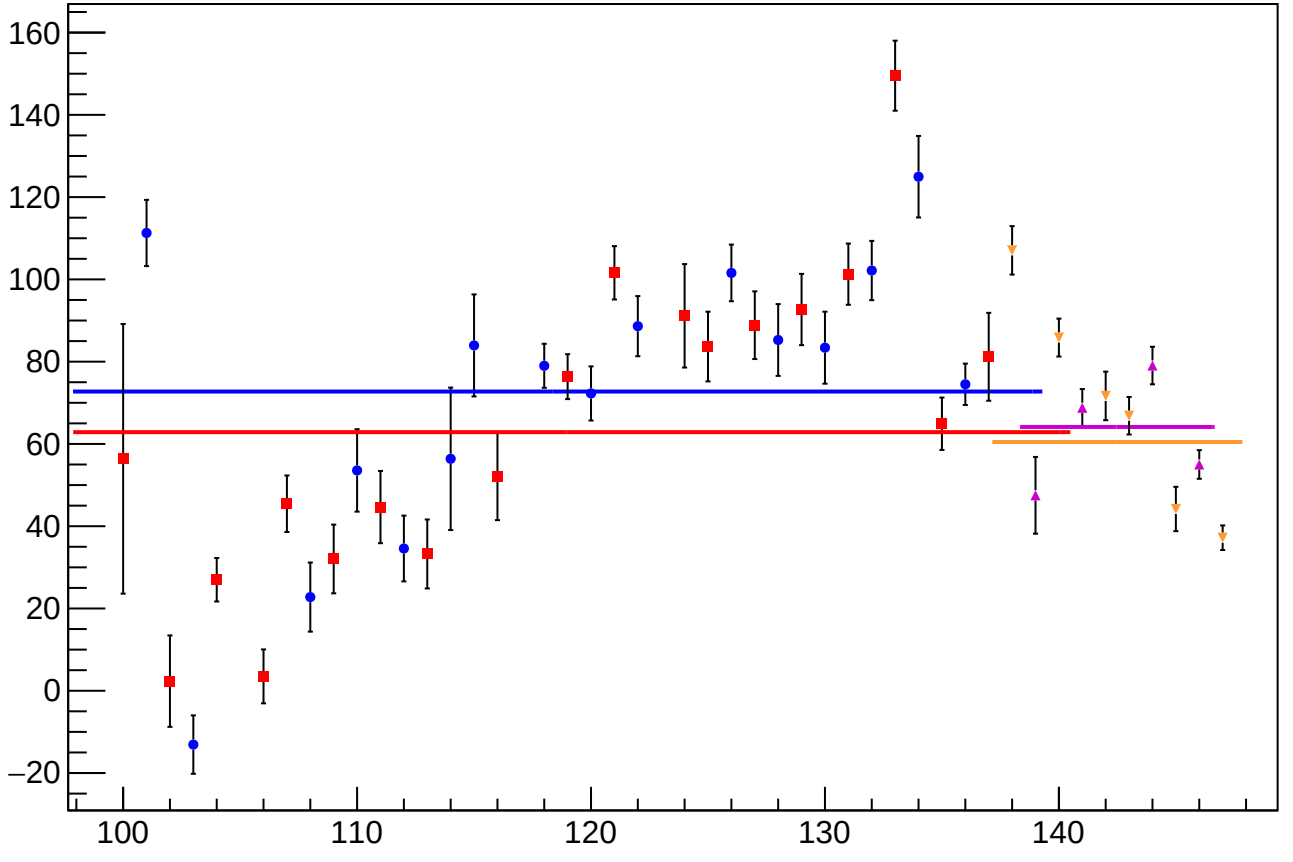
Left In: 373.126+/-2.619 χ^2/NDF:62.7/3

+ sign 374.486+/-1.363 χ^2/NDF: 3870.8/21

All: 367.909+/-0.974 χ^2/NDF: 9281.3/44

- sign 361.027+/-1.394 χ^2/NDF: 5362.8/22

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 60.470+/-1.829 χ^2/NDF:168.1/5

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

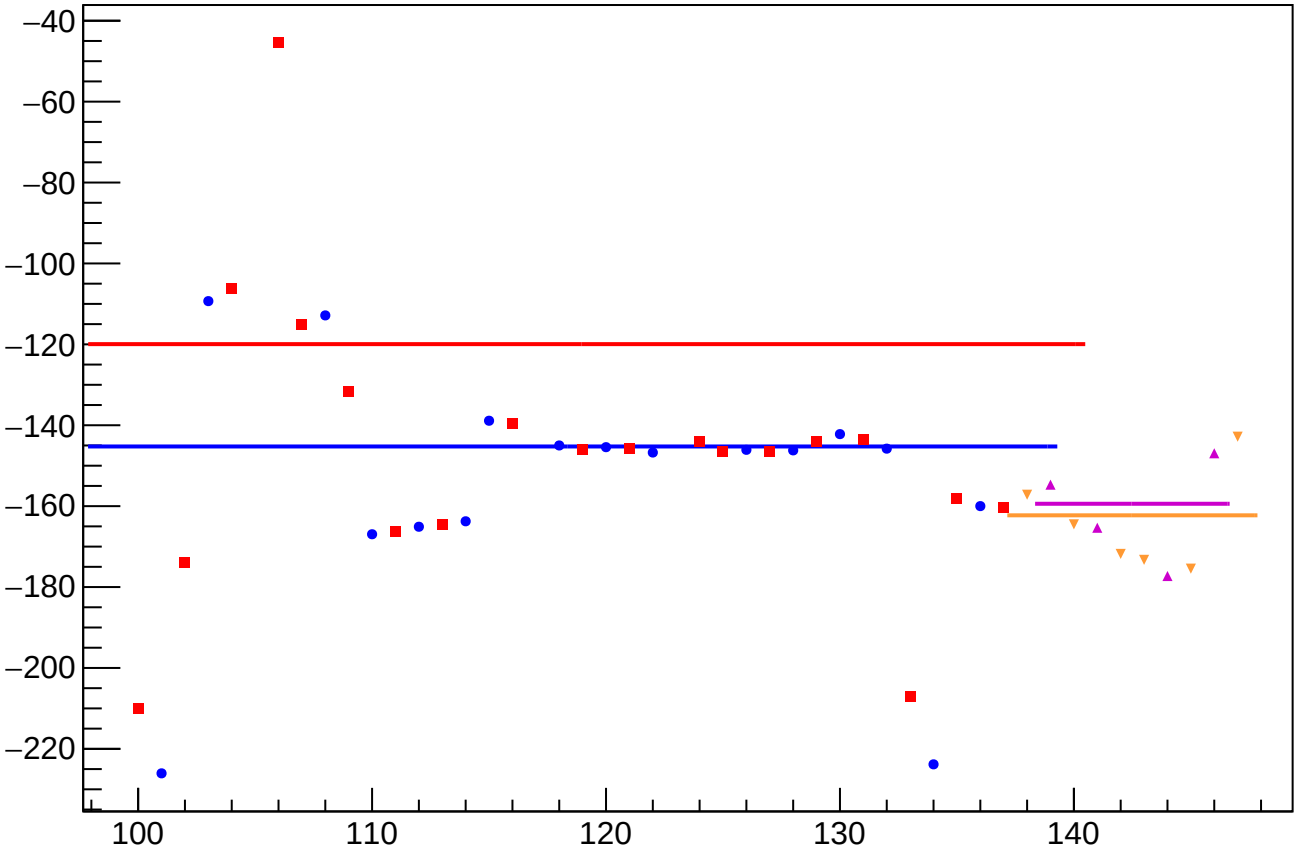
Left In: 64.129+/-2.292 χ^2/NDF:21.8/3

\+ sign 66.381+/-1.317 χ^2/NDF: 494.1/21

All: 64.970+/-0.963 χ^2/NDF: 922.2/44

\- sign 63.344+/-1.413 χ^2/NDF: 425.6/22

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -162.266+/-0.092 χ^2/NDF:16973.8/5

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

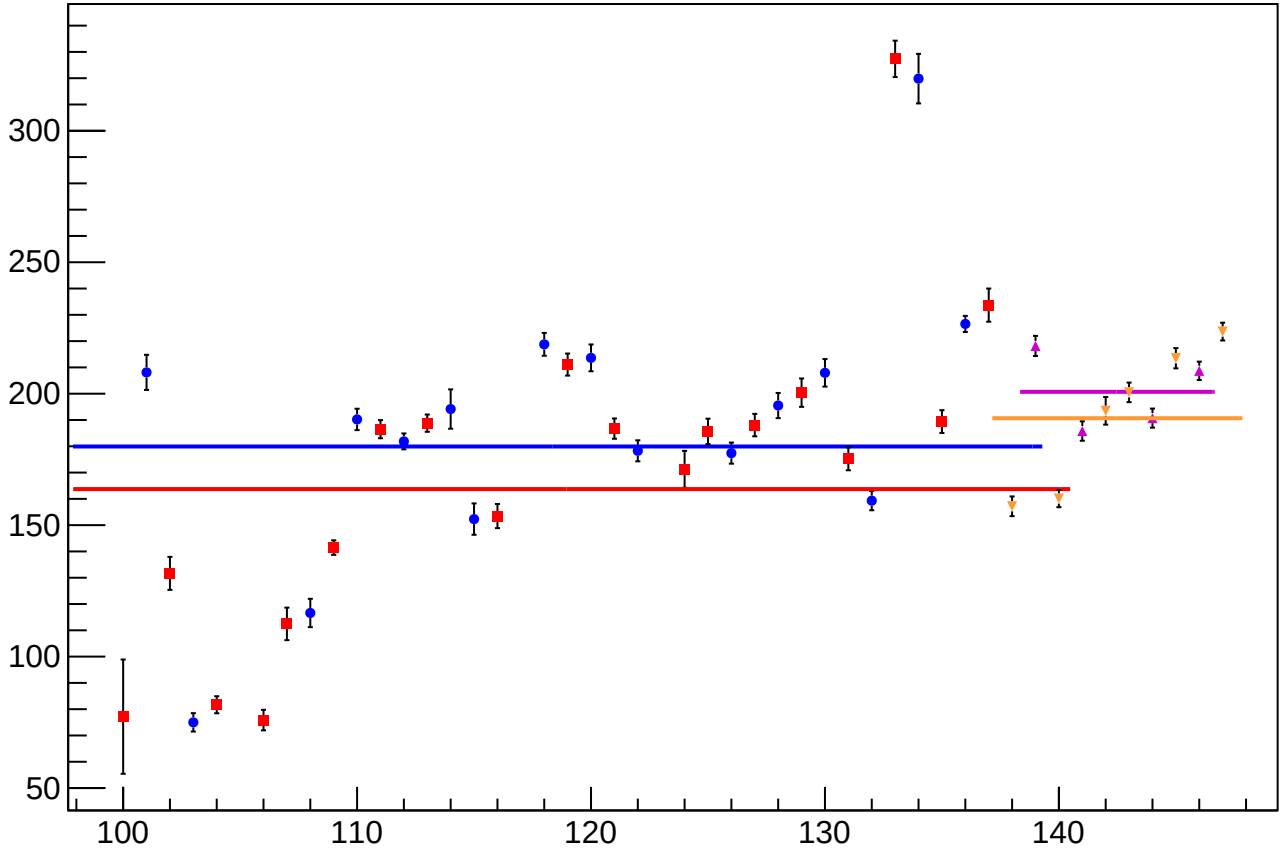
Left In: -159.410+/-0.107 χ^2/NDF:10507.8/3

+ sign -154.279+/-0.067 χ^2/NDF: 164929.4/21

All: -145.307+/-0.048 χ^2/NDF: 562074.8/44

- sign -136.037+/-0.068 χ^2/NDF: 361076.6/22

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 190.677+/-1.530 χ^2/NDF:304.1/5

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

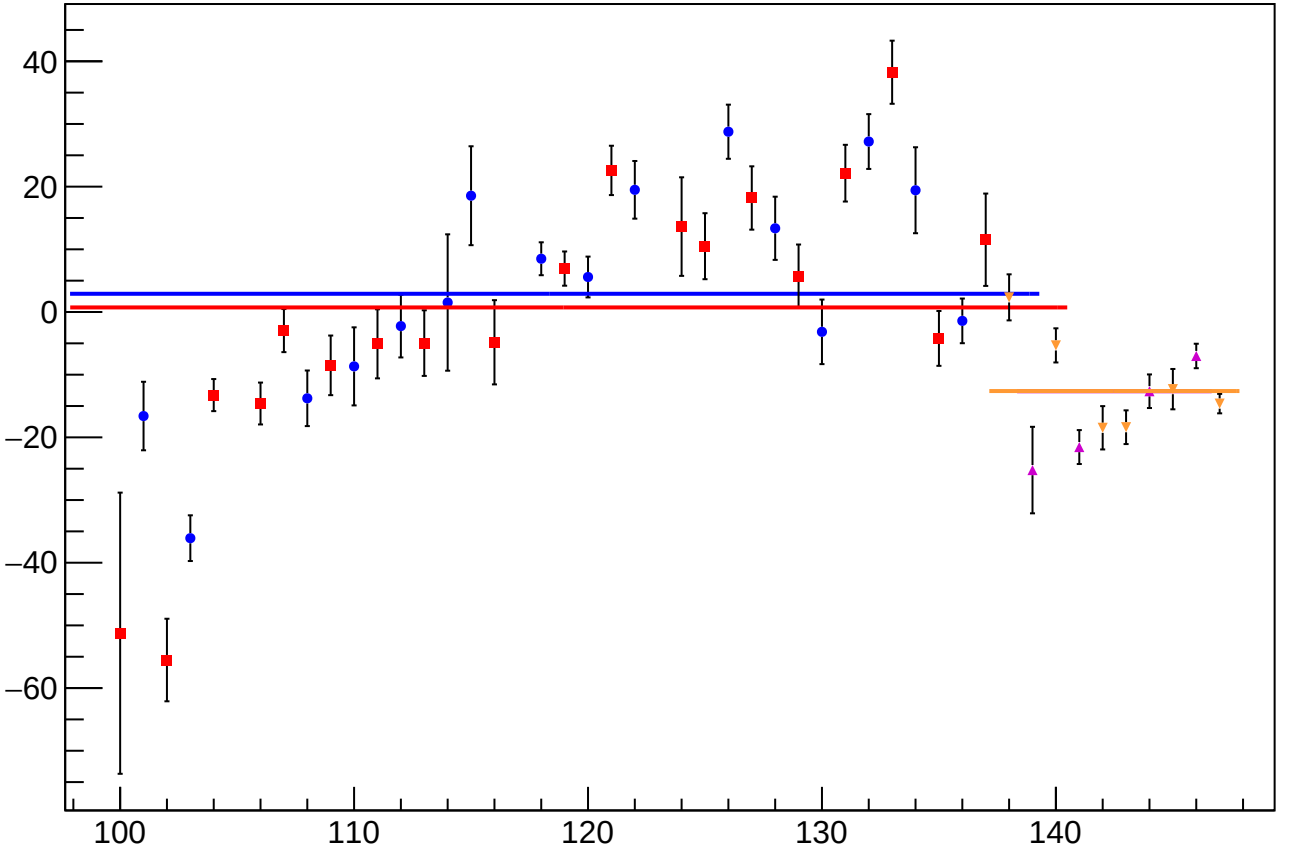
Left In: 200.711+/-1.830 χ^2/NDF:49.8/3

+ sign 183.534+/-0.887 χ^2/NDF: 2069.6/21

All: 177.827+/-0.624 χ^2/NDF: 4932.7/44

- sign 172.236+/-0.878 χ^2/NDF: 2781.2/22

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -12.611+/-1.030 χ^2/NDF:32.9/5

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

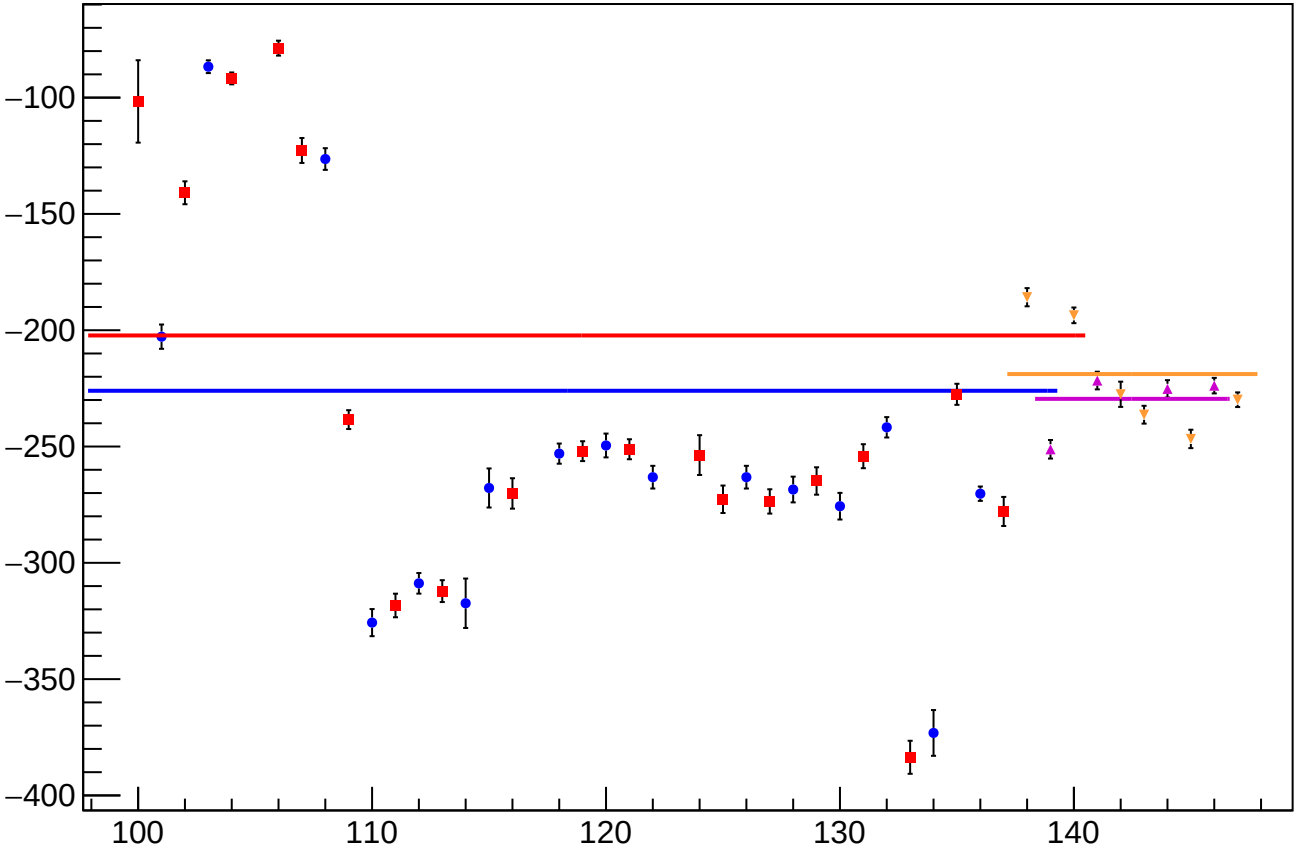
Left In: -12.647+/-1.337 χ^2/NDF:22.5/3

+ sign -5.392+/-0.753 χ^2/NDF: 385.9/21

All: -4.810+/-0.551 χ^2/NDF: 746.8/44

- sign -4.142+/-0.807 χ^2/NDF: 359.6/22

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.842+/-1.543 χ^2/NDF:212.8/5

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

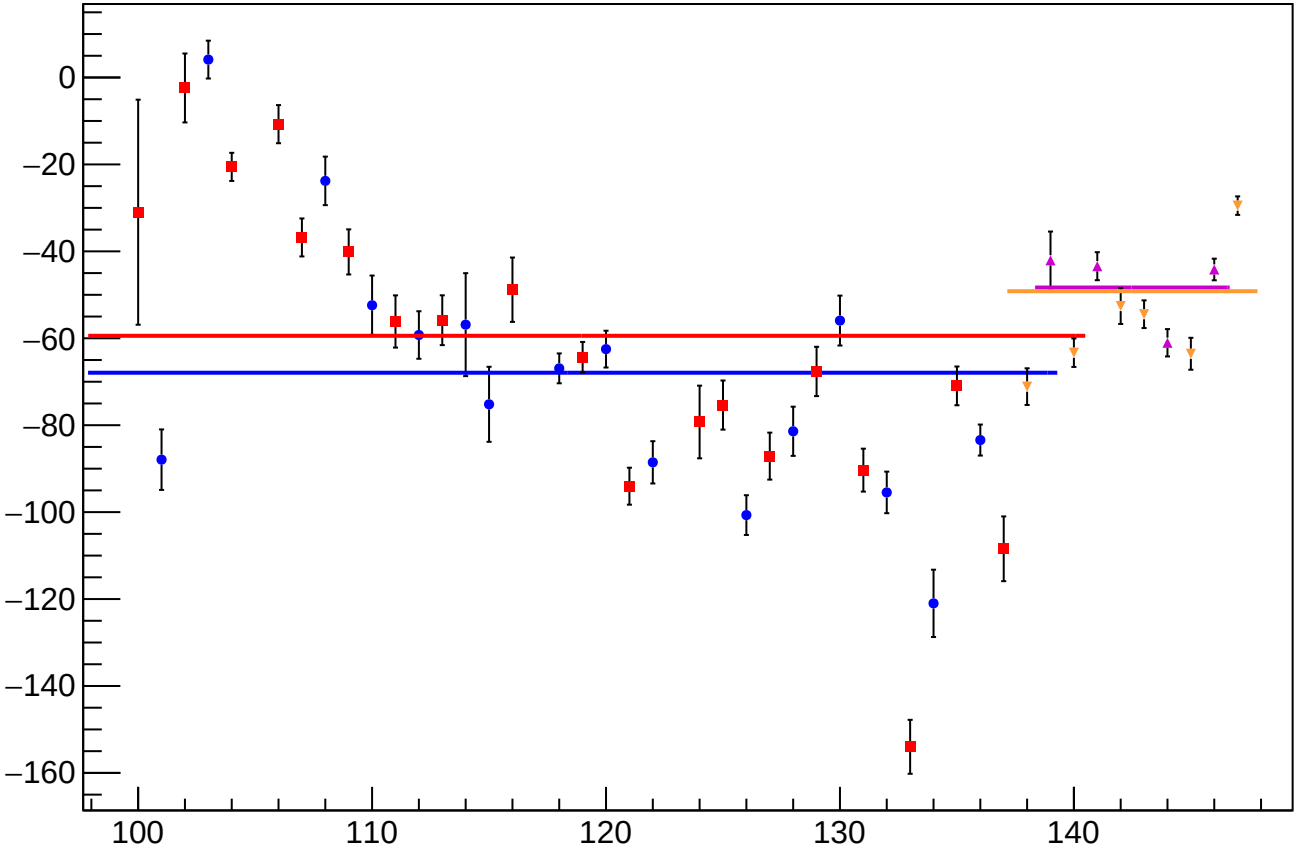
Left In: -229.500+/-1.848 χ^2/NDF:38.0/3

+ sign -223.390+/-0.935 χ^2/NDF: 4765.6/21

All: -216.339+/-0.662 χ^2/NDF: 11770.0/44

- sign -209.255+/-0.937 χ^2/NDF: 6890.4/22

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -49.174+/-1.290 χ^2/NDF:150.0/5

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

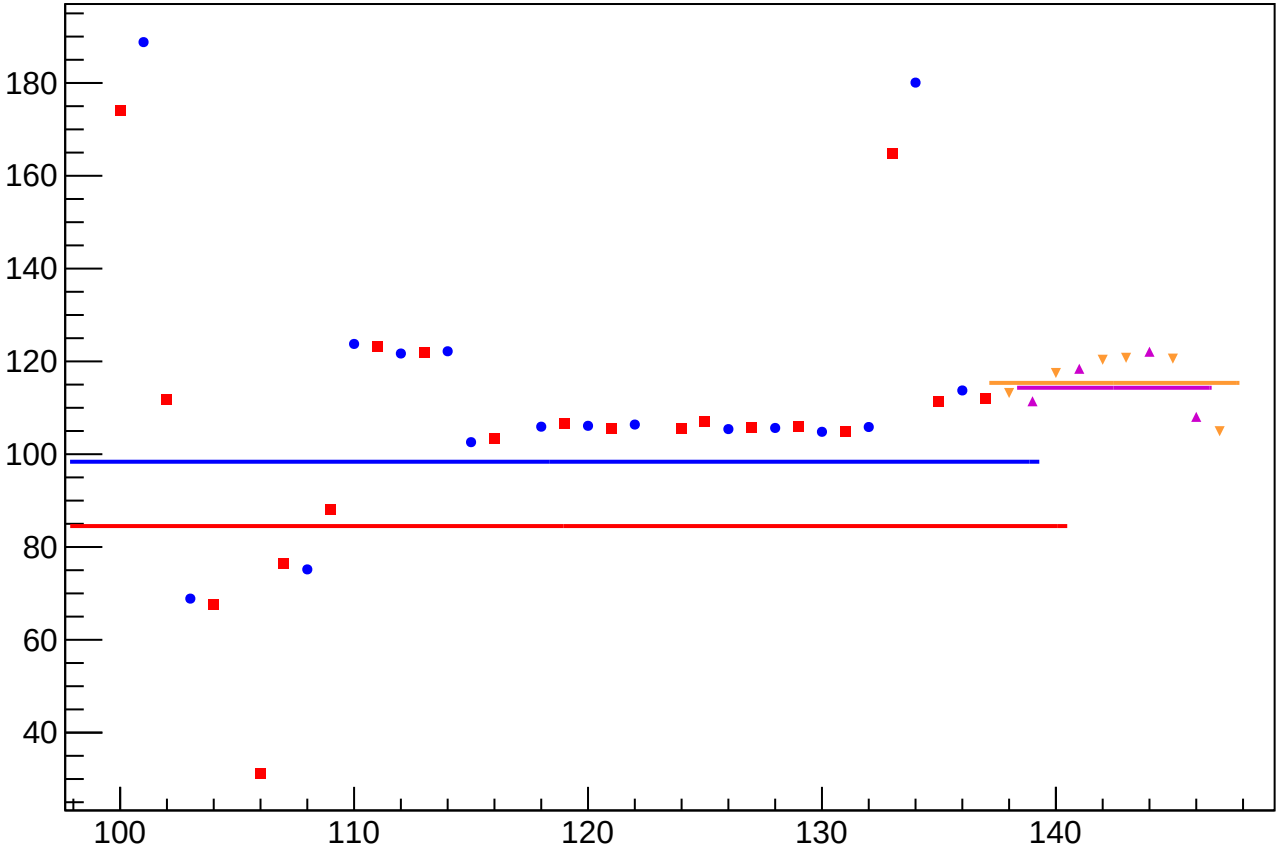
Left In: -48.321+/-1.618 χ^2/NDF:22.3/3

+ sign -58.637+/-0.908 χ^2/NDF: 790.7/21

All: -57.174+/-0.658 χ^2/NDF: 1644.0/44

- sign -55.554+/-0.956 χ^2/NDF: 847.9/22

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 115.370+/-0.065 χ^2/NDF:8677.9/5

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

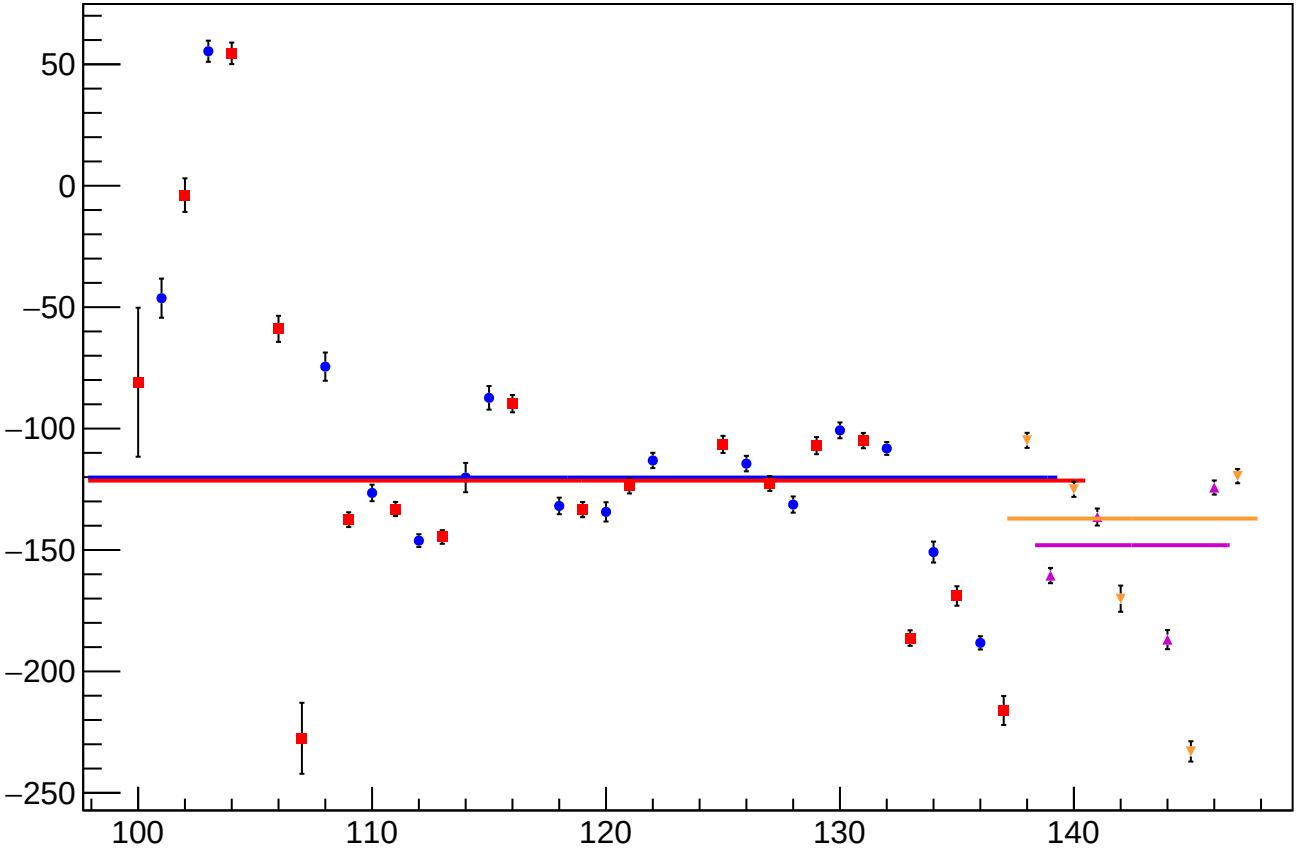
Left In: 114.317+/-0.076 χ^2/NDF:5159.8/3

+ sign 106.987+/-0.046 χ^2/NDF: 270645.8/21

All: 101.681+/-0.033 χ^2/NDF: 665841.4/44

- sign 96.156+/-0.047 χ^2/NDF: 368476.9/22

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: -137.057+/-1.555 χ^2/NDF:720.1/4

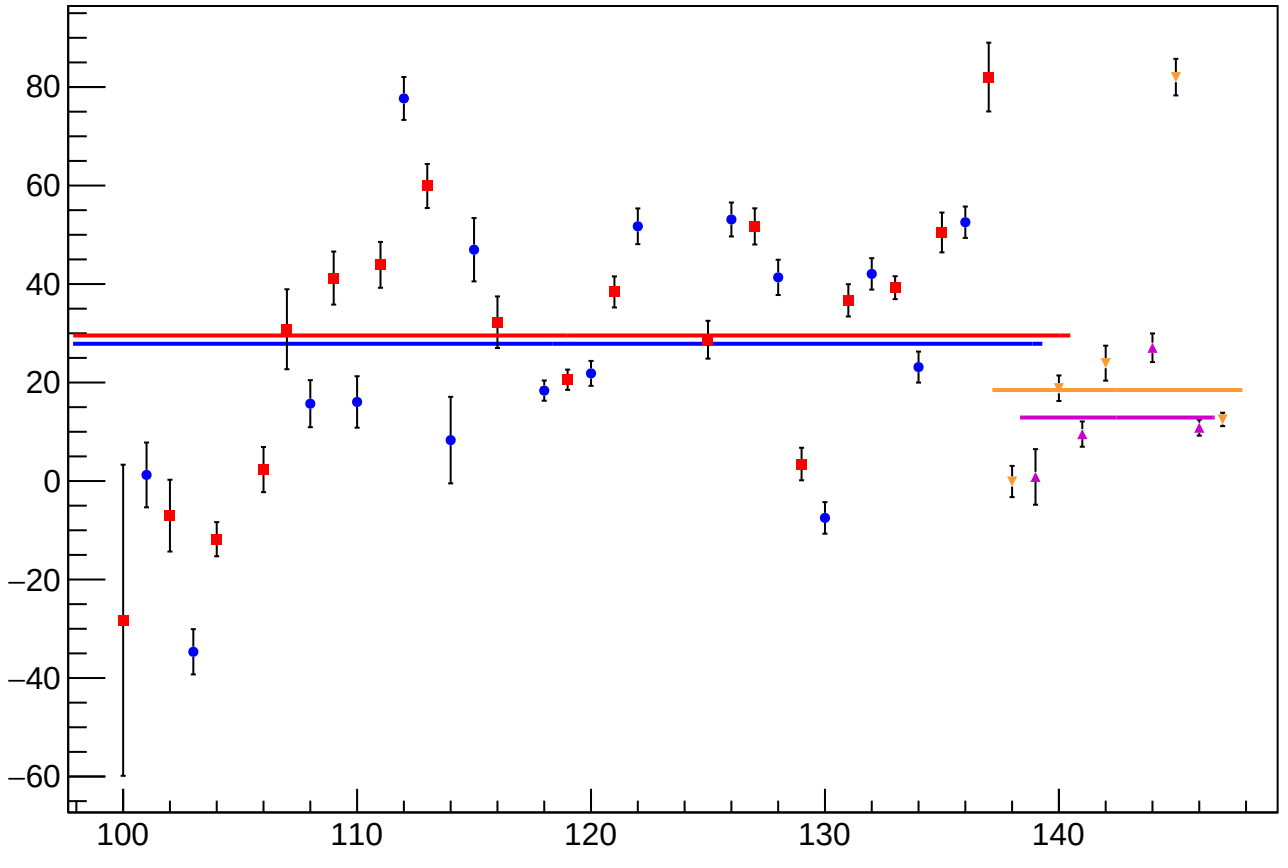
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -148.029+/-1.656 χ^2/NDF:190.2/3

+ sign -124.348+/-0.773 χ^2/NDF: 3500.1/20

All: -125.785+/-0.547 χ^2/NDF: 7025.3/42

- sign -127.227+/-0.774 χ^2/NDF: 3518.3/21



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 18.477+/-1.030 χ^2/NDF:348.7/4

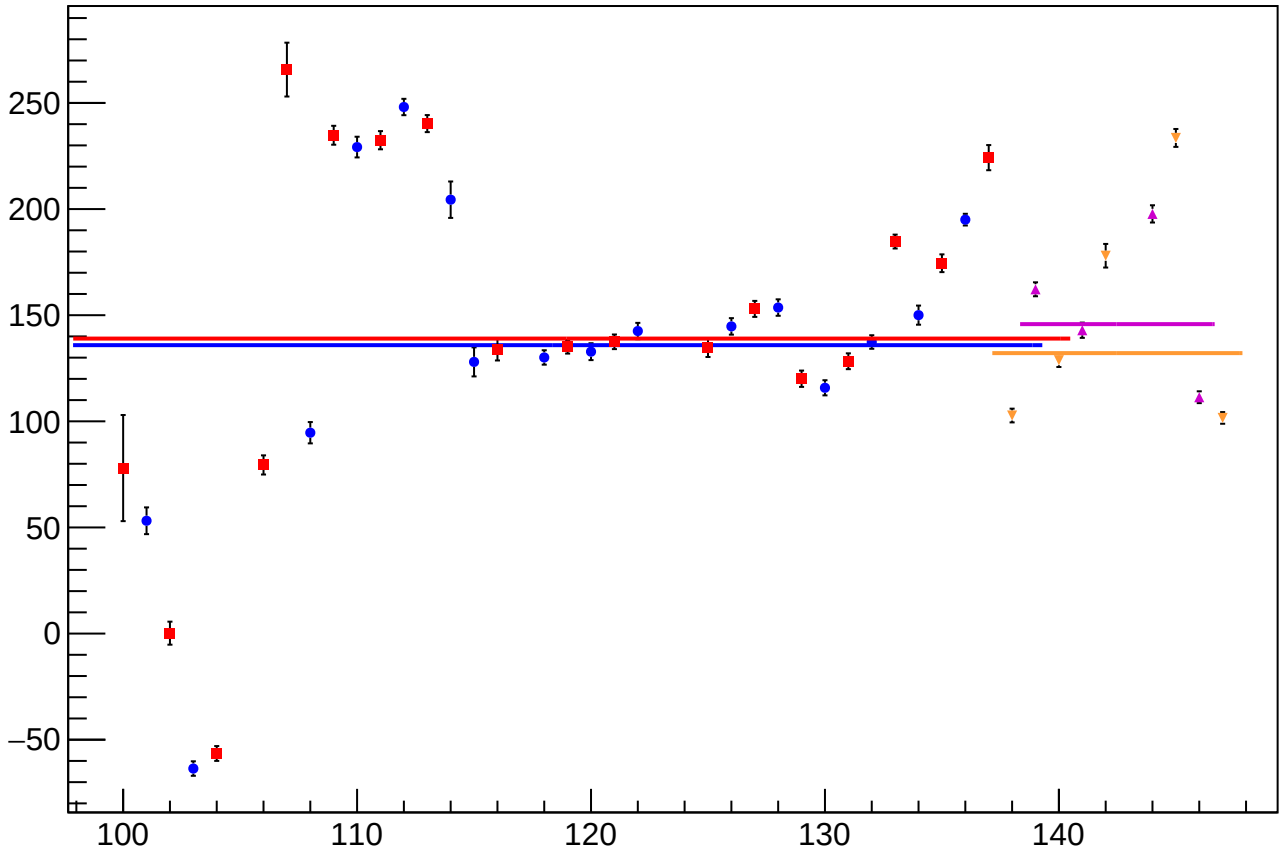
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.892+/-1.210 χ^2/NDF:31.6/3

\+ sign 23.863+/-0.672 χ^2/NDF: 1096.1/20

All: 23.790+/-0.490 χ^2/NDF: 1748.3/42

\- sign 23.706+/-0.717 χ^2/NDF: 652.2/21



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 132.134+/-1.554 χ^2/NDF:852.2/4

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

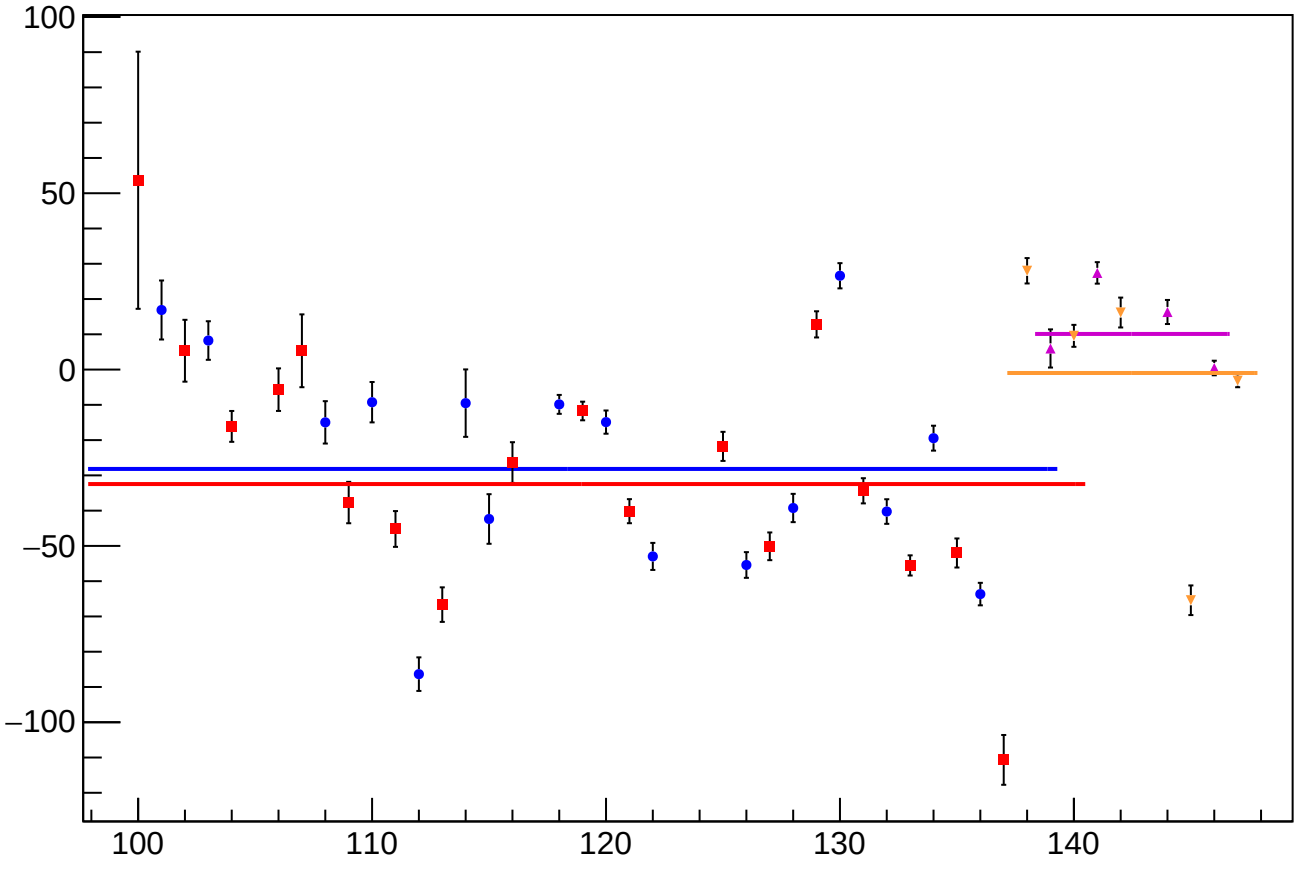
Left In: 145.792+/-1.668 χ^2/NDF:341.7/3

\+ sign 134.788+/-0.840 χ^2/NDF: 6320.0/20

All: 137.726+/-0.600 χ^2/NDF: 12855.4/42

\- sign 140.781+/-0.857 χ^2/NDF: 6510.4/21

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.968+/-1.311 χ^2/NDF:329.2/4

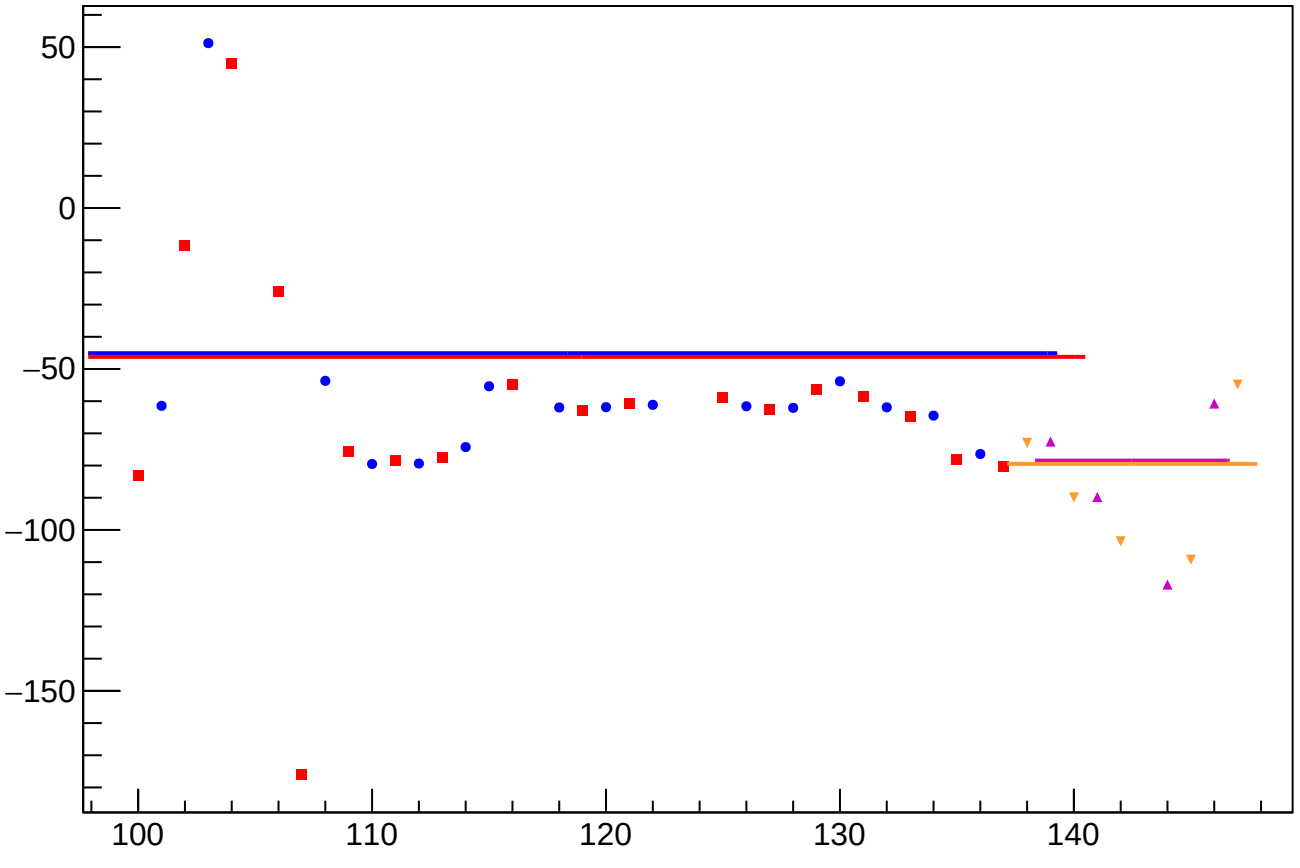
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 10.100+/-1.472 χ^2/NDF:58.0/3

\+ sign -17.883+/-0.806 χ^2/NDF: 1388.3/20

All: -18.186+/-0.582 χ^2/NDF: 2589.7/42

\- sign -18.516+/-0.842 χ^2/NDF: 1201.0/21



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -79.475+/-0.066 χ^2/NDF:91781.1/4

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

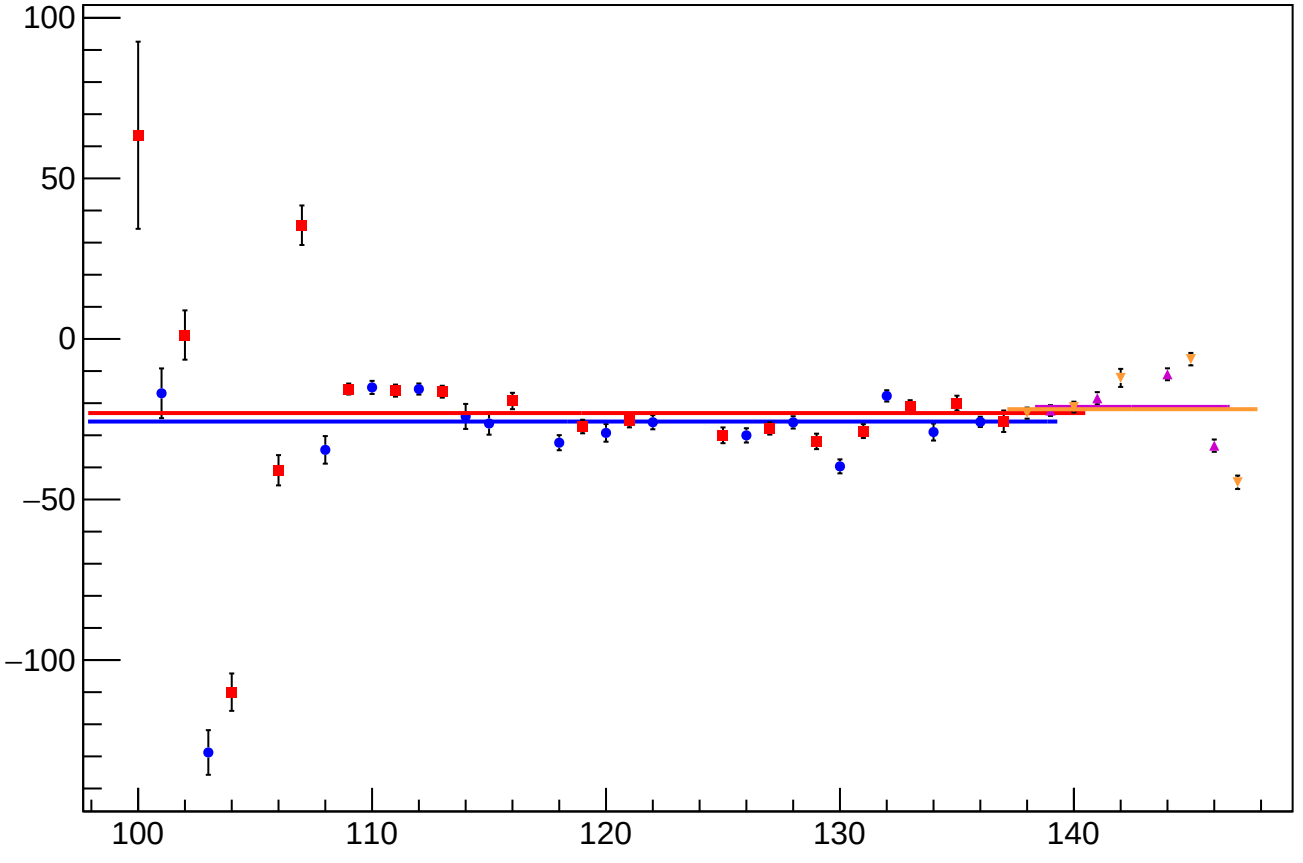
Left In: -78.461+/-0.067 χ^2/NDF:74935.2/3

+ sign -60.794+/-0.044 χ^2/NDF: 816069.7/20

All: -60.961+/-0.032 χ^2/NDF: 1507355.2/42

- sign -61.141+/-0.046 χ^2/NDF: 691255.9/21

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: -21.872+/-0.874 χ^2/NDF:195.3/4

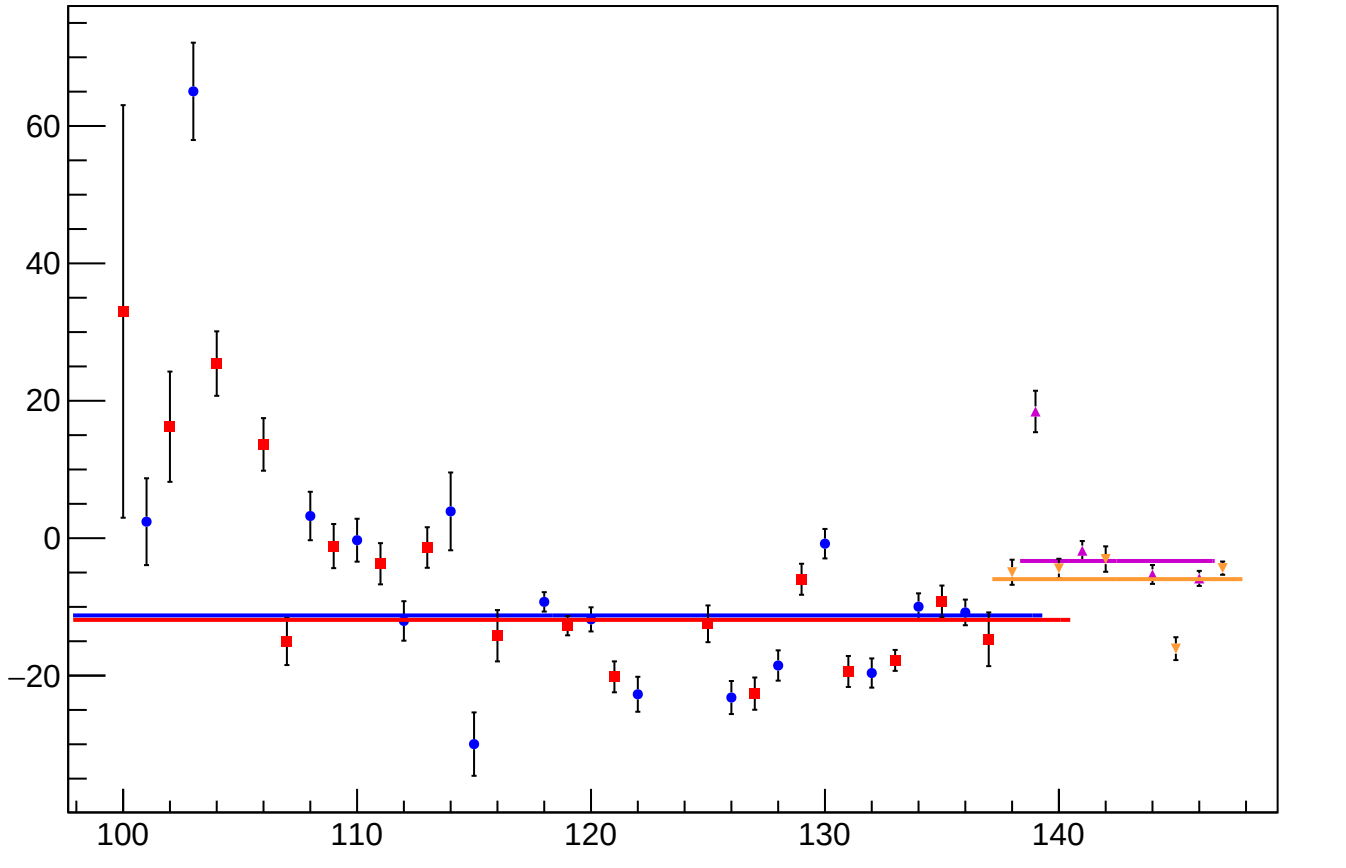
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -21.155+/-0.915 χ^2/NDF:71.8/3

+ sign -24.517+/-0.489 χ^2/NDF: 571.6/20

All: -23.525+/-0.347 χ^2/NDF: 1091.9/42

- sign -22.525+/-0.491 χ^2/NDF: 512.1/21



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.962+/-0.629 χ^2/NDF:43.7/4

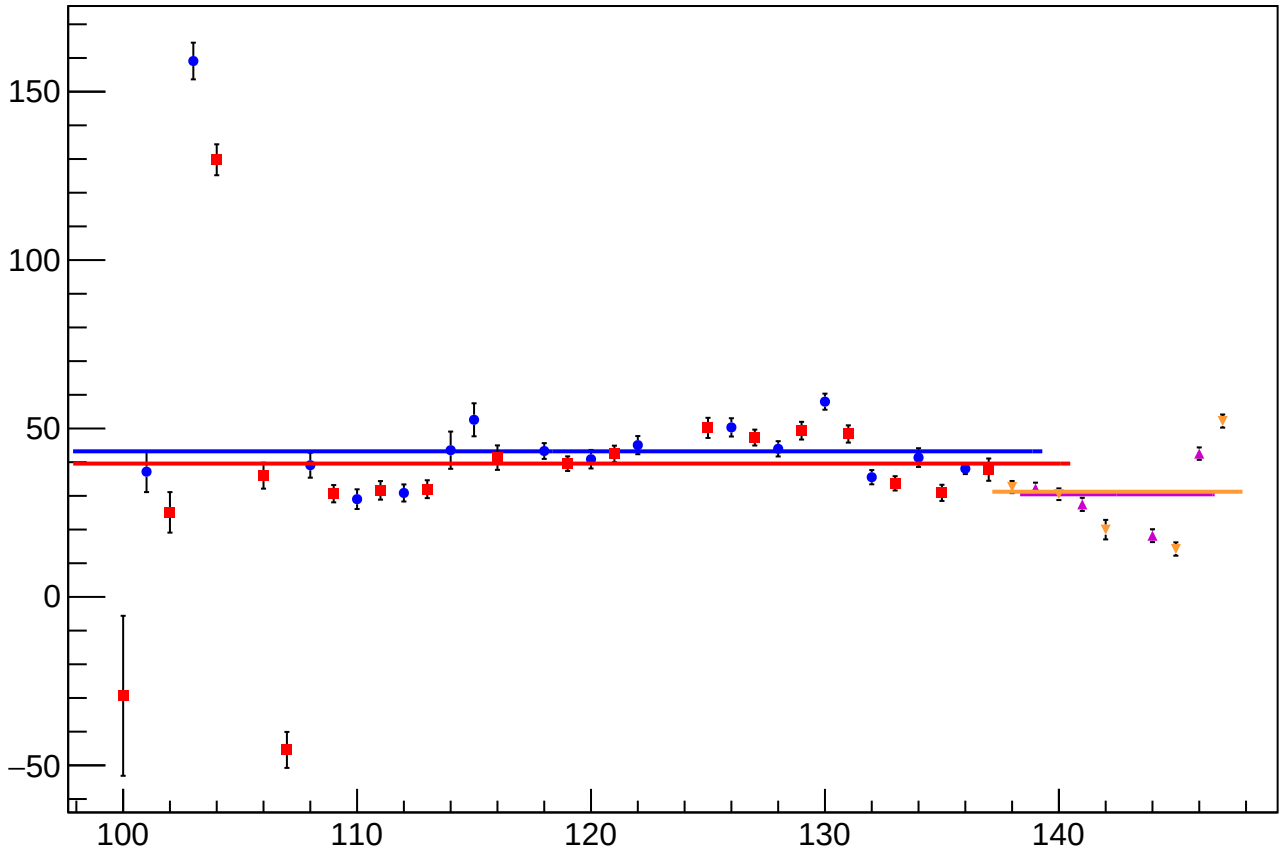
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -3.317+/-0.711 χ^2/NDF:60.5/3

\+ sign -8.727+/-0.434 χ^2/NDF: 351.8/20

All: -8.515+/-0.316 χ^2/NDF: 721.4/42

\- sign -8.276+/-0.462 χ^2/NDF: 369.1/21



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 31.229+/-0.885 χ^2/NDF:205.0/4

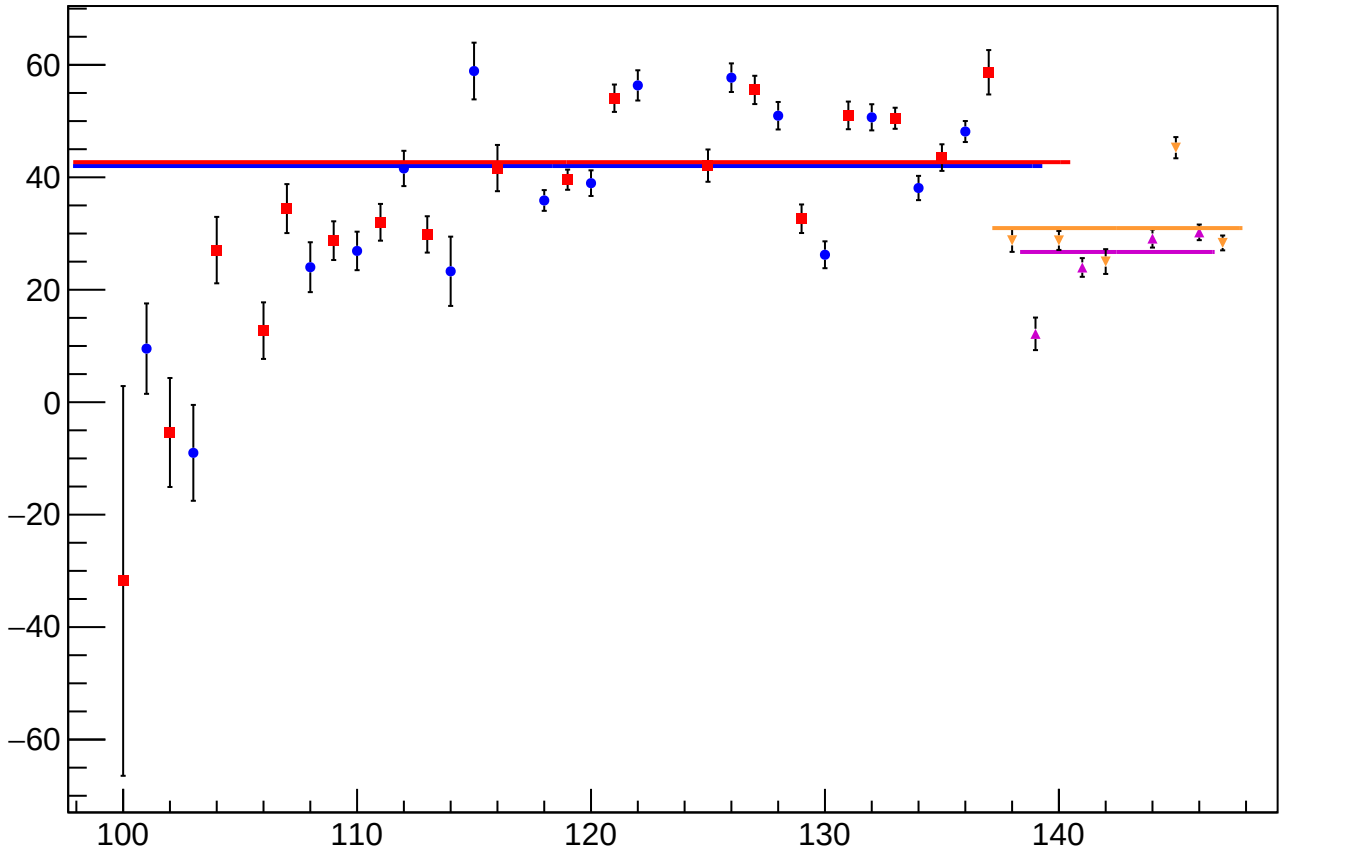
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.461+/-0.929 χ^2/NDF:87.5/3

\+ sign 38.785+/-0.538 χ^2/NDF: 896.7/20

All: 37.608+/-0.385 χ^2/NDF: 1810.6/42

\- sign 36.374+/-0.551 χ^2/NDF: 904.1/21



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.969+/-0.779 χ^2/NDF:71.7/4

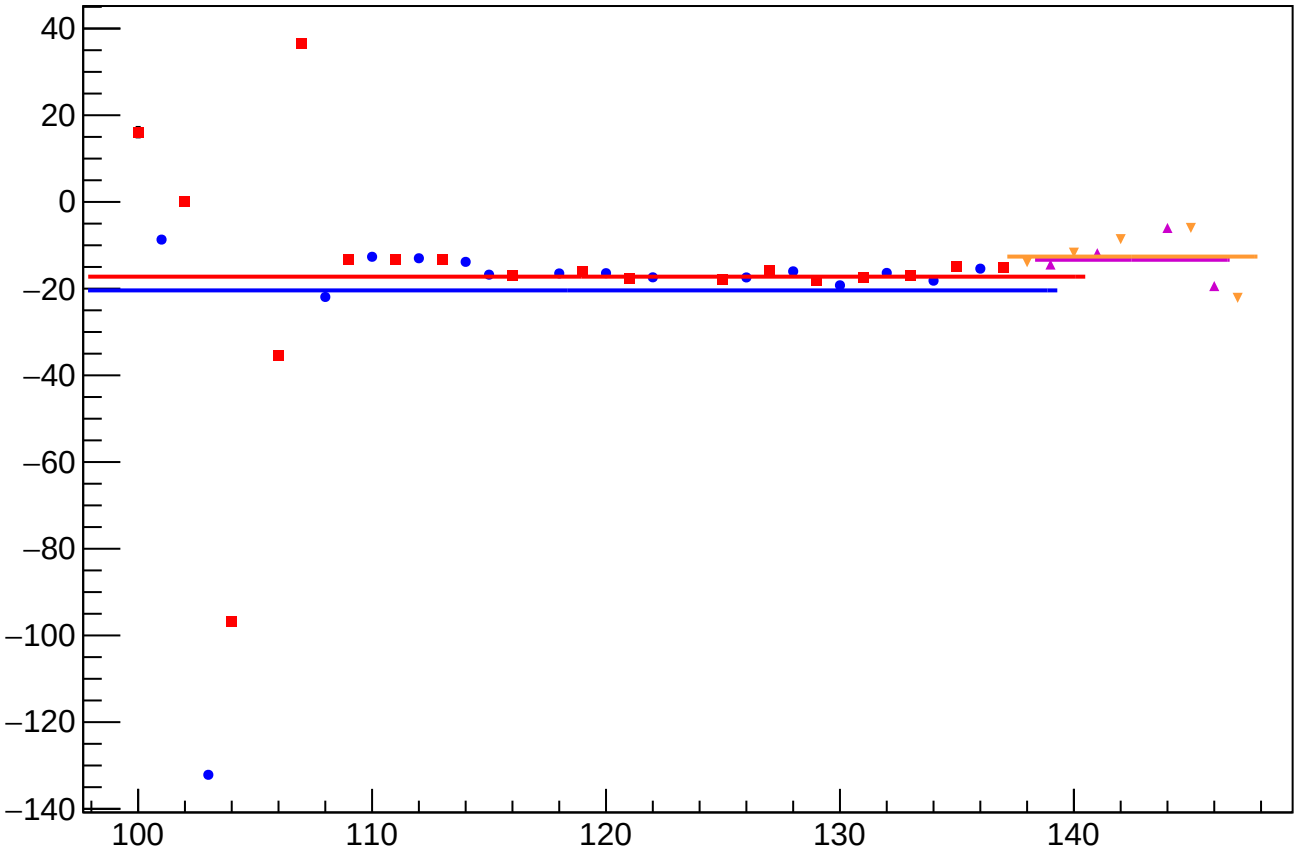
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 26.721+/-0.850 χ^2/NDF:36.6/3

\+ sign 37.202+/-0.514 χ^2/NDF: 457.8/20

All: 36.770+/-0.372 χ^2/NDF: 937.9/42

\- sign 36.297+/-0.538 χ^2/NDF: 478.7/21



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.606+/-0.037 χ^2/NDF:20851.5/4

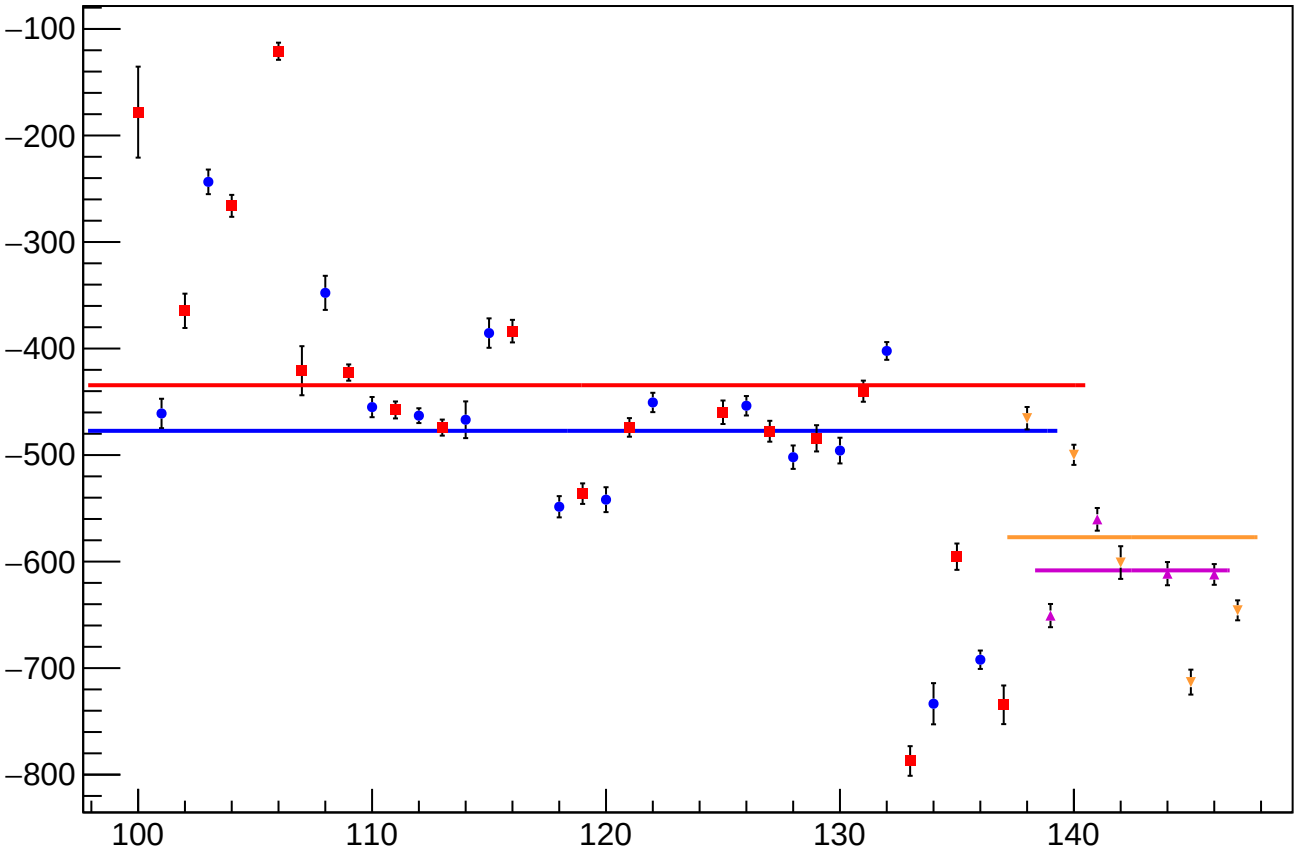
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -13.338+/-0.038 χ^2/NDF:13896.1/3

+ sign -16.005+/-0.028 χ^2/NDF: 286005.3/20

All: -15.506+/-0.020 χ^2/NDF: 509764.9/42

- sign -14.974+/-0.029 χ^2/NDF: 223088.3/21



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -577.118+/-4.814 χ^2/NDF:370.8/4

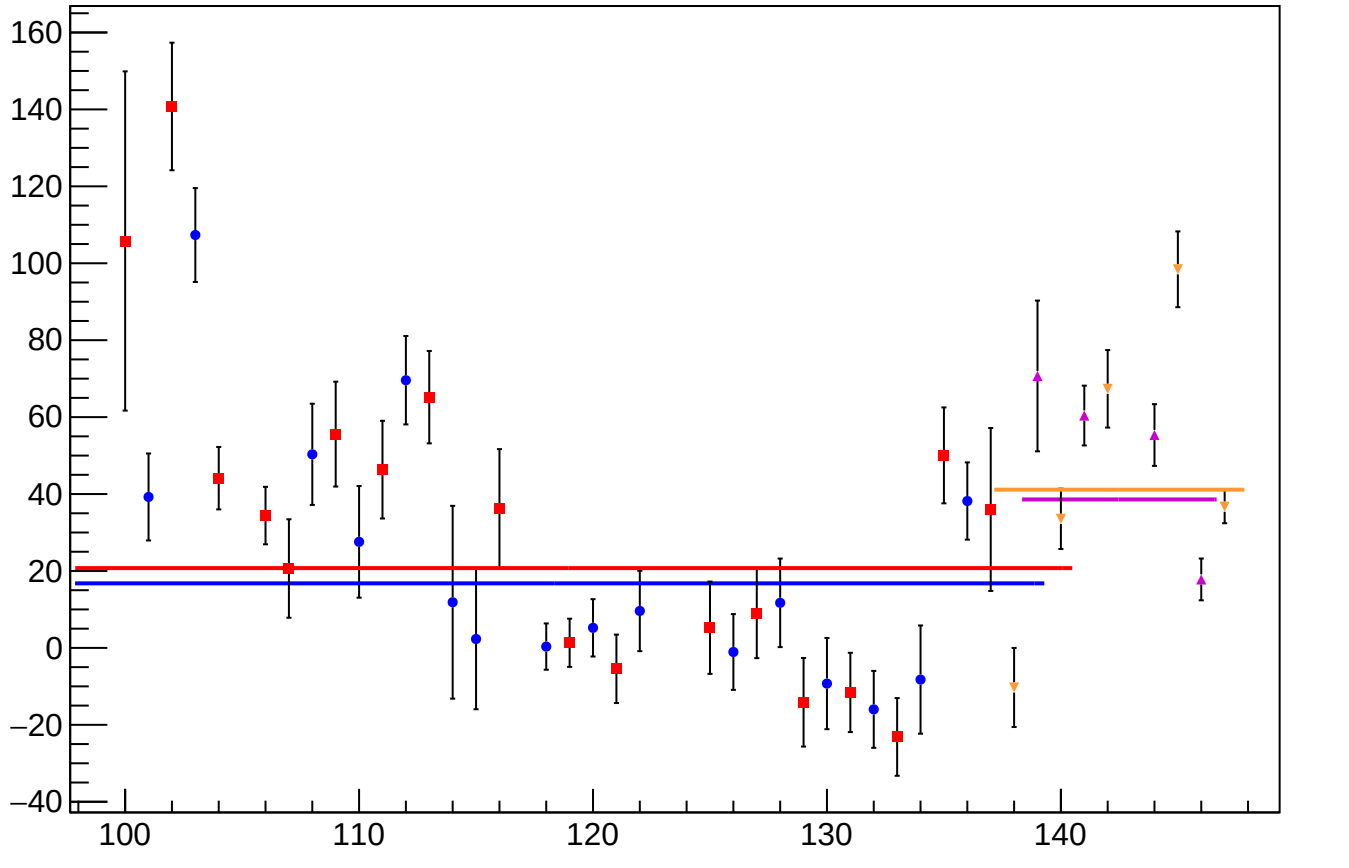
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.257+/-5.254 χ^2/NDF:35.7/3

+ sign -500.253+/-2.310 χ^2/NDF: 2212.9/20

All: -482.409+/-1.605 χ^2/NDF: 6422.9/42

- sign -465.769+/-2.231 χ^2/NDF: 4094.7/21



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 41.136+/-3.165 χ^2/NDF:67.6/4

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

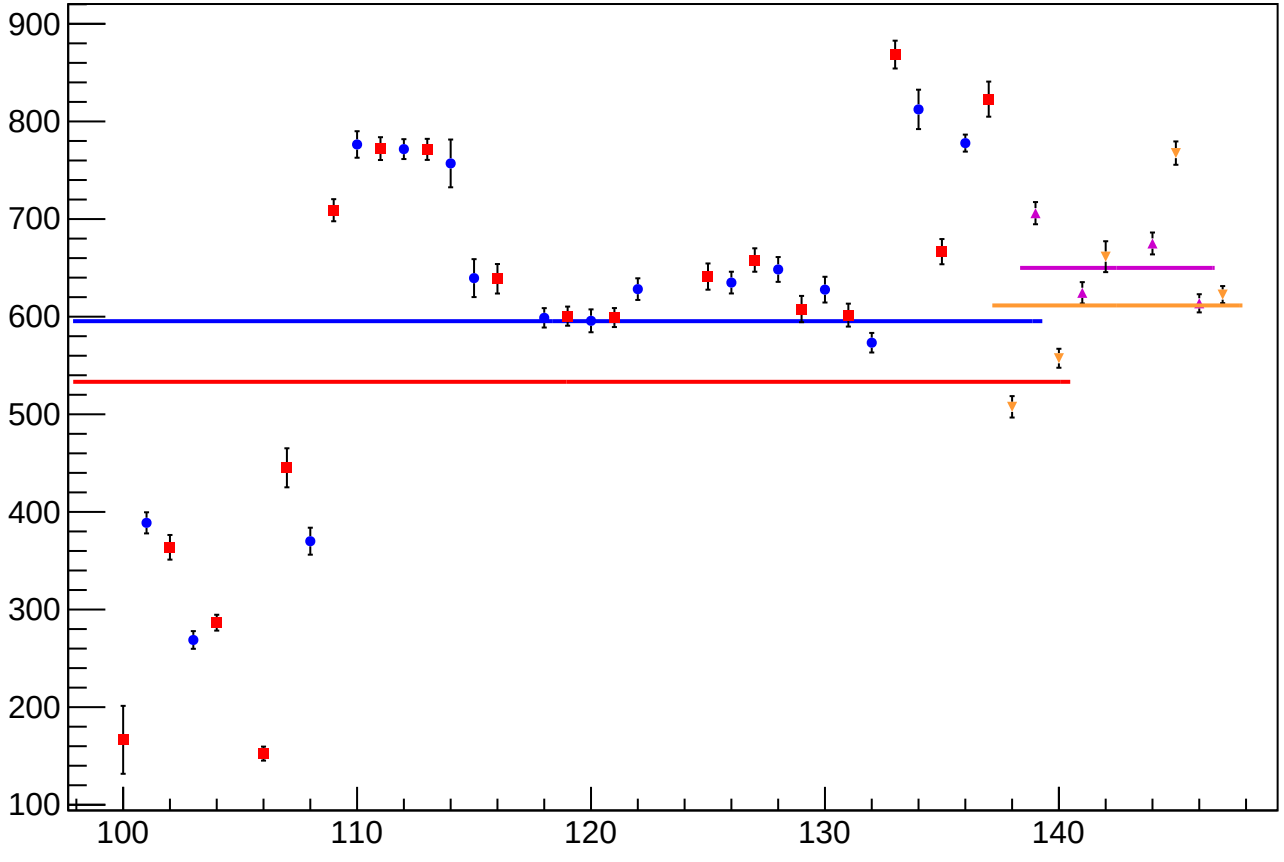
Left In: 38.598+/-3.819 χ^2/NDF:29.6/3

+ sign 26.836+/-2.034 χ^2/NDF: 227.3/20

All: 26.554+/-1.468 χ^2/NDF: 430.0/42

- sign 26.248+/-2.120 χ^2/NDF: 202.6/21

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: 611.516+/-4.824 χ^2/NDF:302.3/4

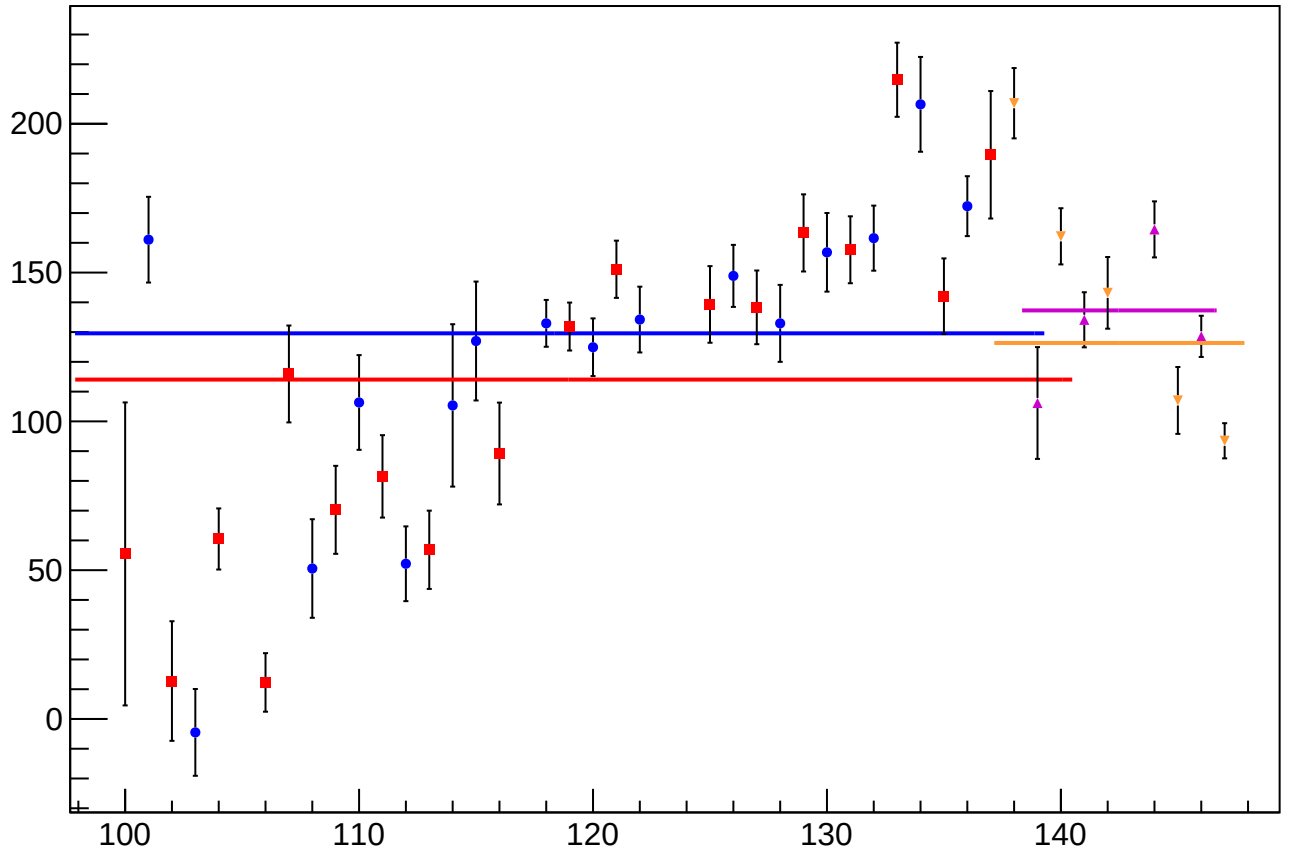
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 649.978+/-5.298 χ^2/NDF:50.0/3

+ sign 599.746+/-2.504 χ^2/NDF: 3370.2/20

All: 578.311+/-1.747 χ^2/NDF: 10448.1/42

- sign 557.991+/-2.438 χ^2/NDF: 6935.2/21



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 126.348+/-4.021 χ^2/NDF:96.8/4

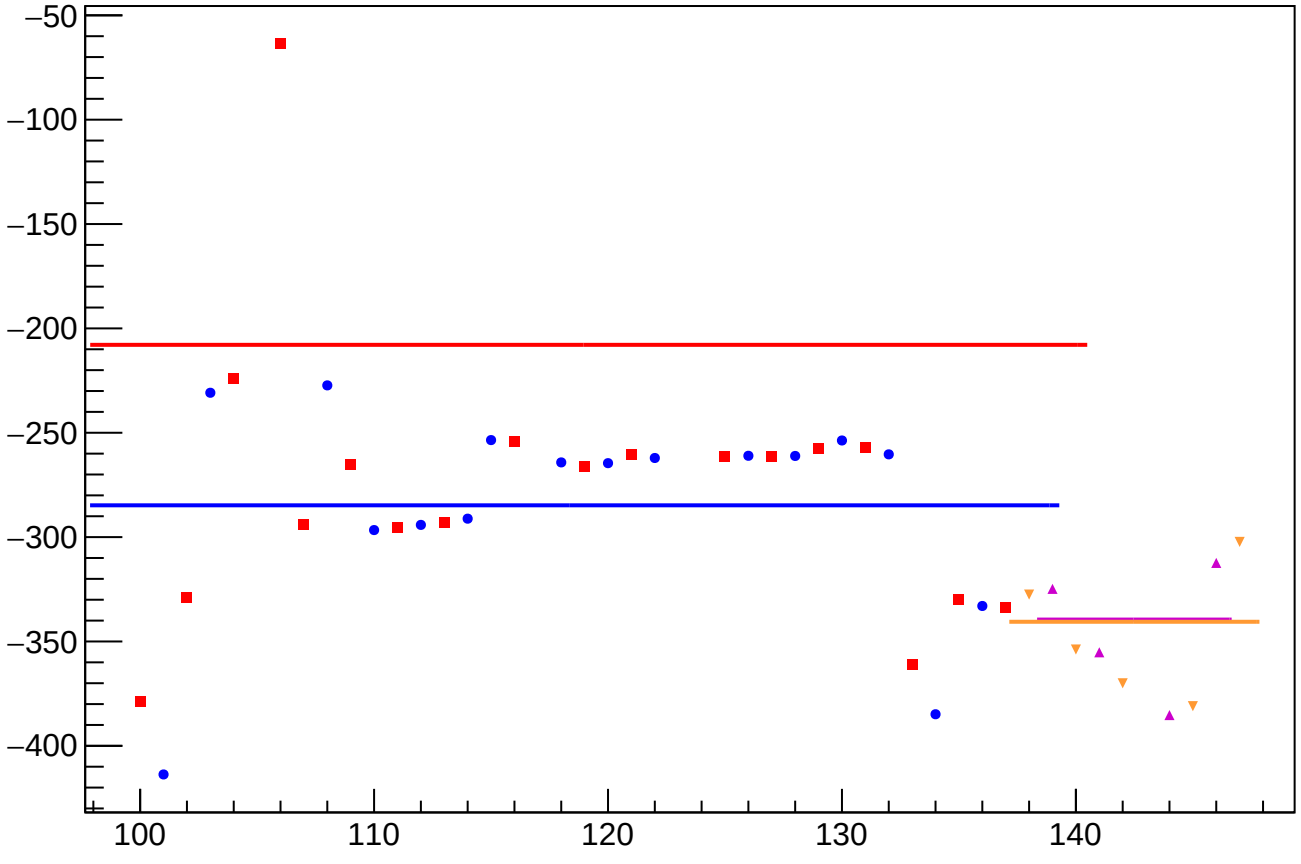
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 137.283+/-4.630 χ^2/NDF:12.8/3

+ sign 128.388+/-2.445 χ^2/NDF: 308.4/20

All: 124.703+/-1.749 χ^2/NDF: 679.6/42

- sign 120.841+/-2.503 χ^2/NDF: 366.5/21



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -340.557+/-0.205 χ^2/NDF:20836.6/4

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

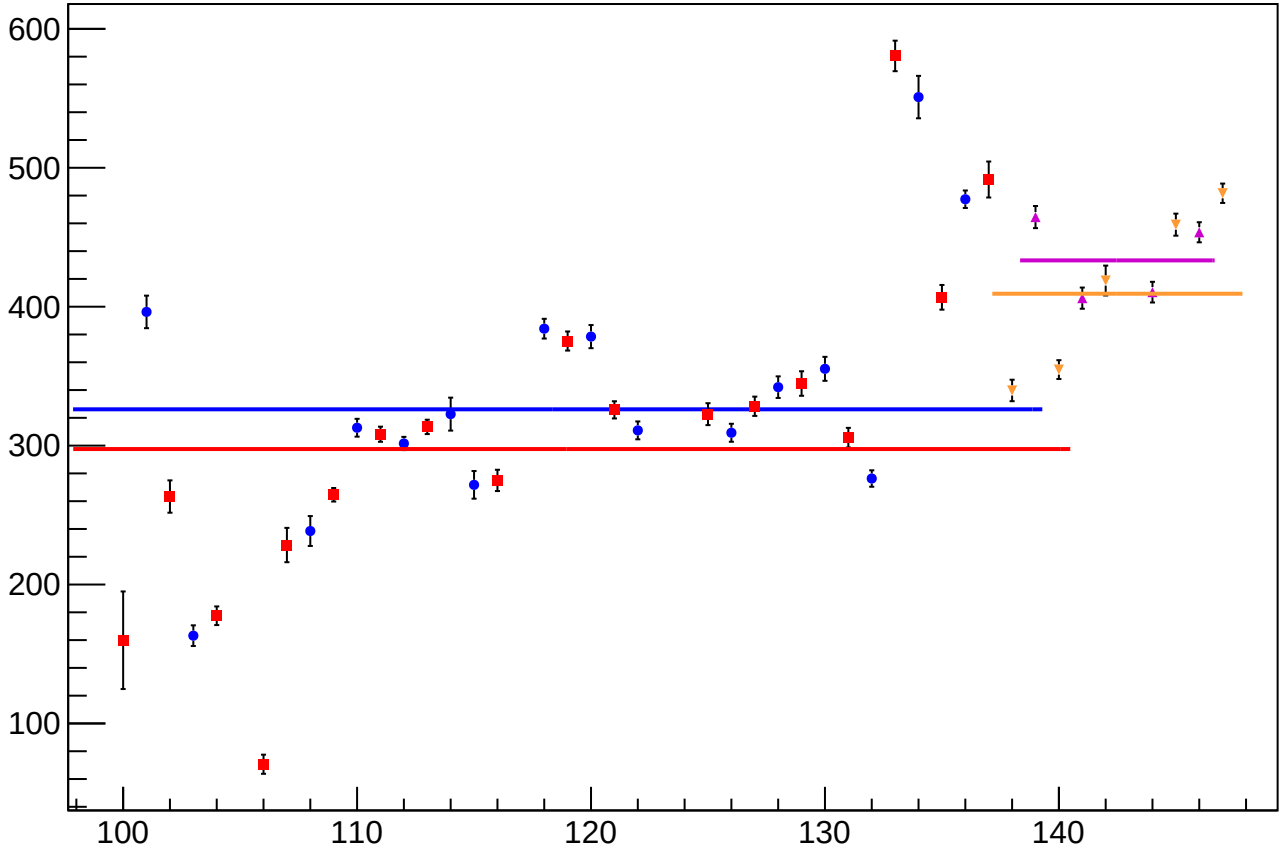
Left In: -339.508+/-0.217 χ^2/NDF:15434.1/3

+ sign -308.716+/-0.134 χ^2/NDF: 167595.7/20

All: -276.772+/-0.091 χ^2/NDF: 1074442.3/42

- sign -250.037+/-0.123 χ^2/NDF: 802661.8/21

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: 409.340+/-3.457 χ^2/NDF:293.9/4

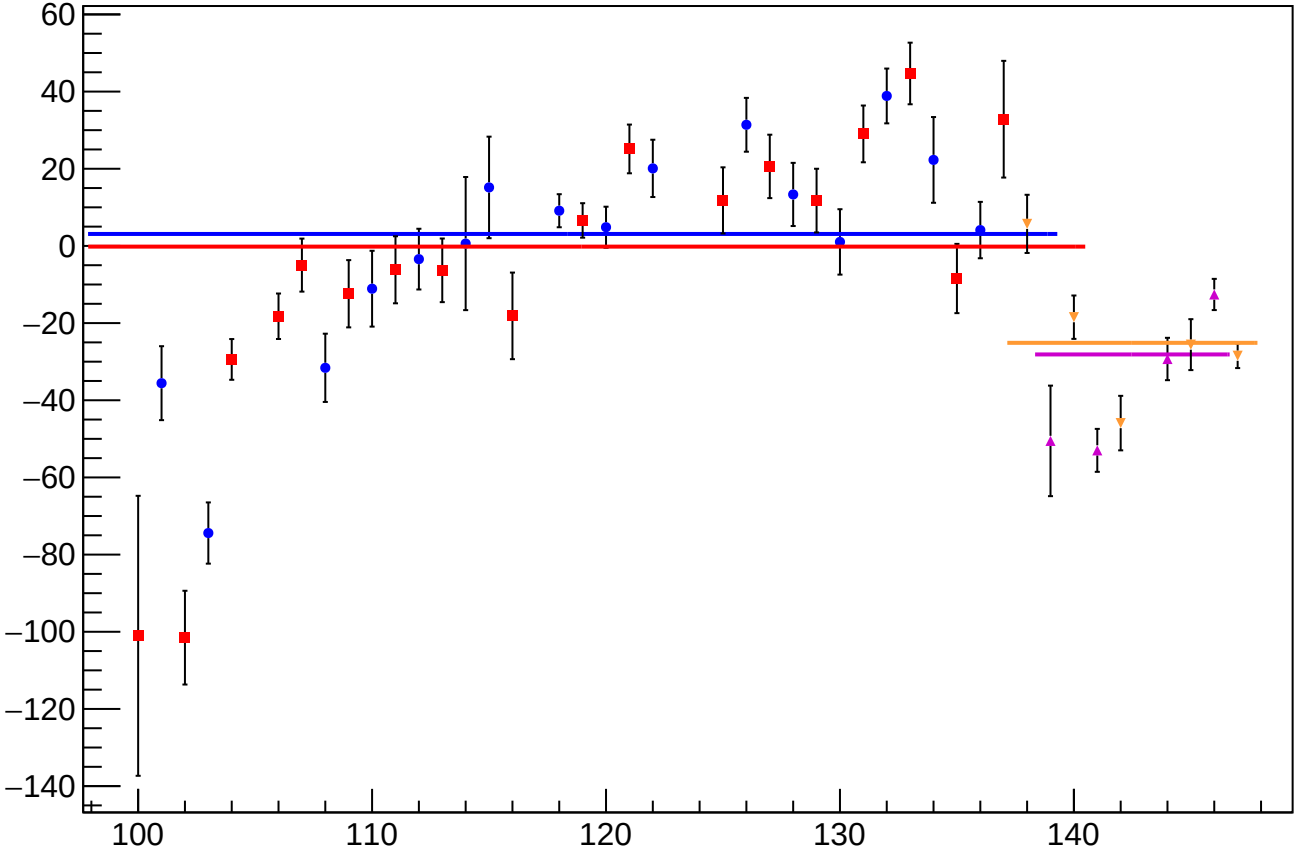
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 433.333+/-3.774 χ^2/NDF:45.3/3

\+ sign 344.762+/-1.636 χ^2/NDF: 2386.4/20

All: 332.553+/-1.135 χ^2/NDF: 6383.3/42

\- sign 321.218+/-1.576 χ^2/NDF: 3889.5/21



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -25.116+/-2.296 χ^2/NDF:27.9/4

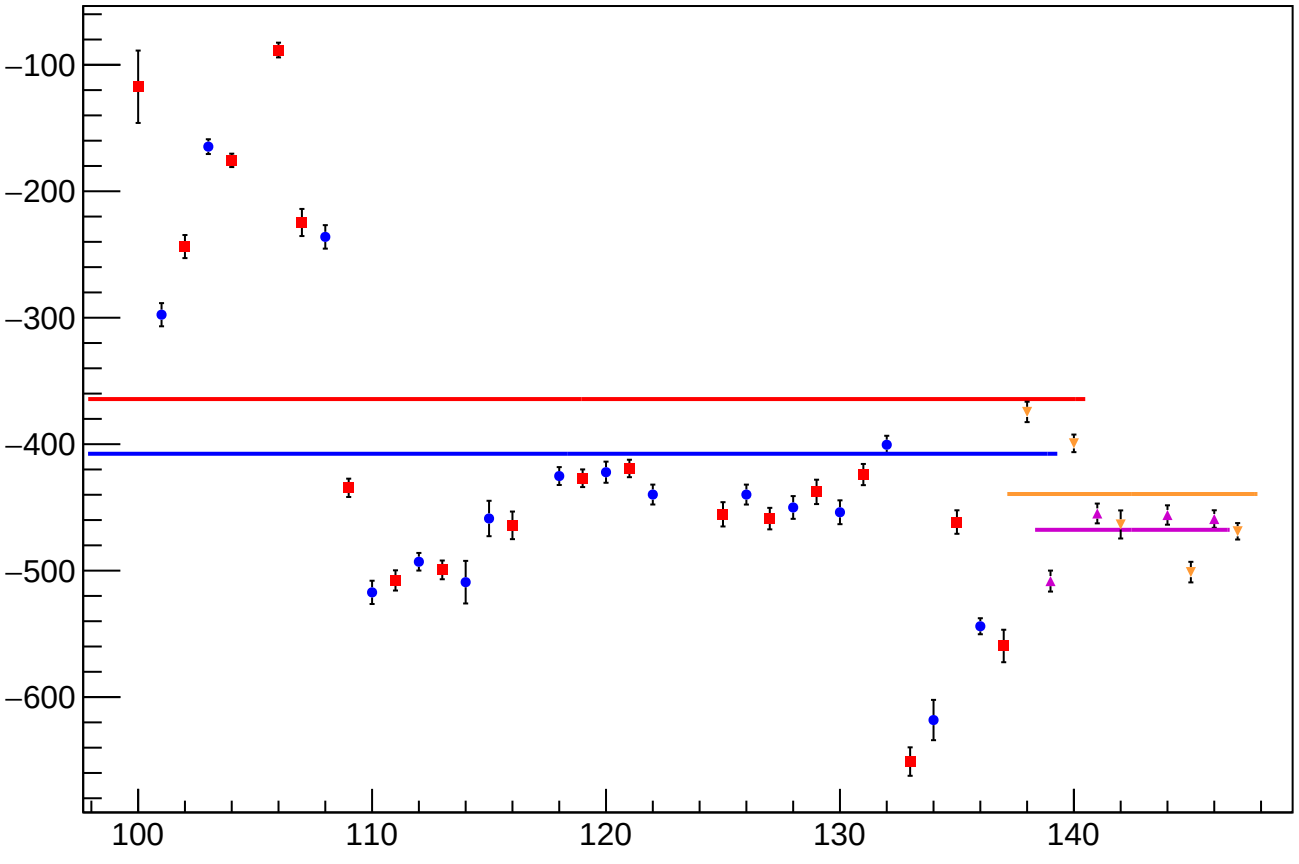
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -28.124+/-2.758 χ^2/NDF:37.2/3

\+ sign -8.312+/-1.460 χ^2/NDF: 302.4/20

All: -8.389+/-1.047 χ^2/NDF: 617.0/42

\- sign -8.471+/-1.502 χ^2/NDF: 314.6/21



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -439.398+/-3.473 χ^2/NDF:180.9/4

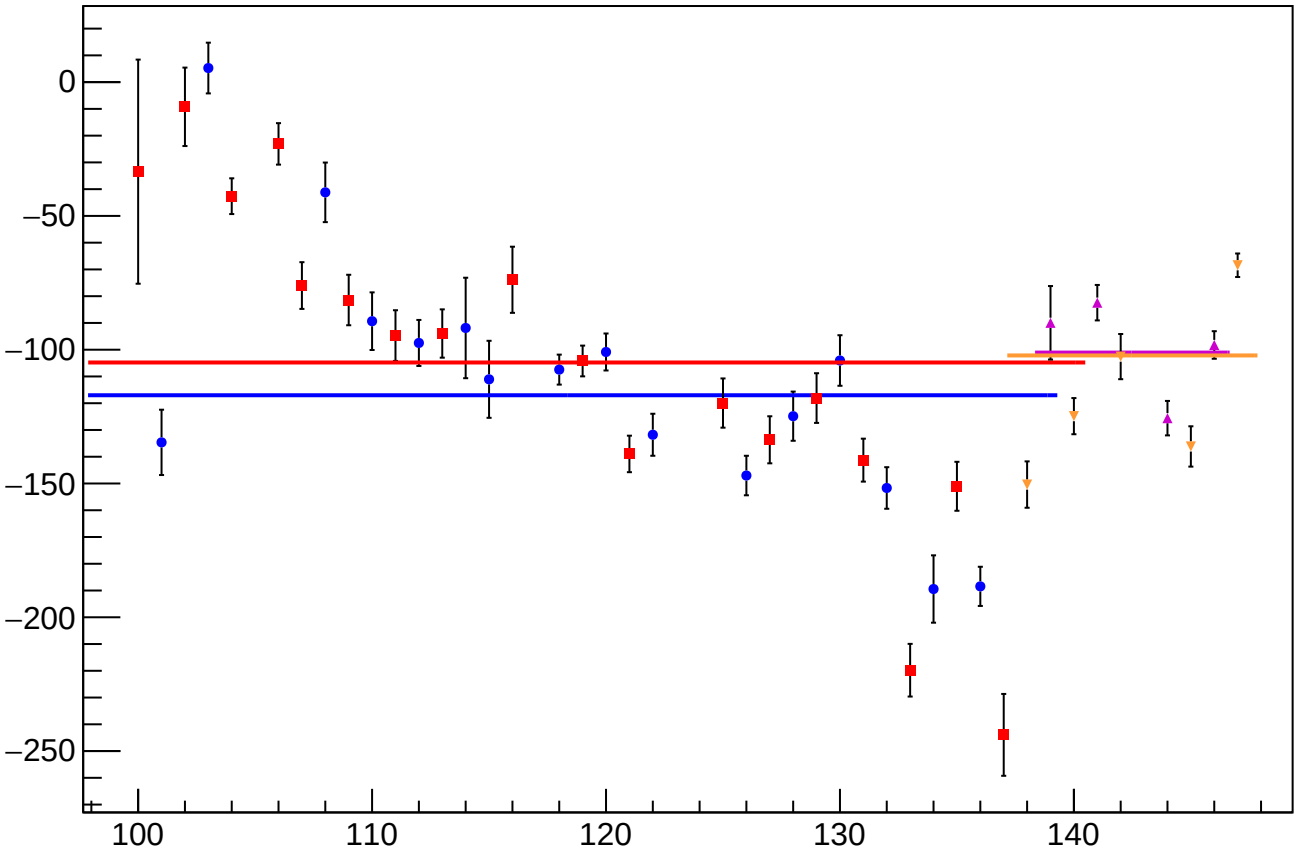
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -467.717+/-3.811 χ^2/NDF:30.5/3

\+ sign -415.940+/-1.780 χ^2/NDF: 3523.4/20

All: -400.360+/-1.241 χ^2/NDF: 10507.4/42

\- sign -385.639+/-1.731 χ^2/NDF: 6835.1/21



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -102.145+/-2.904 χ^2/NDF:121.4/4

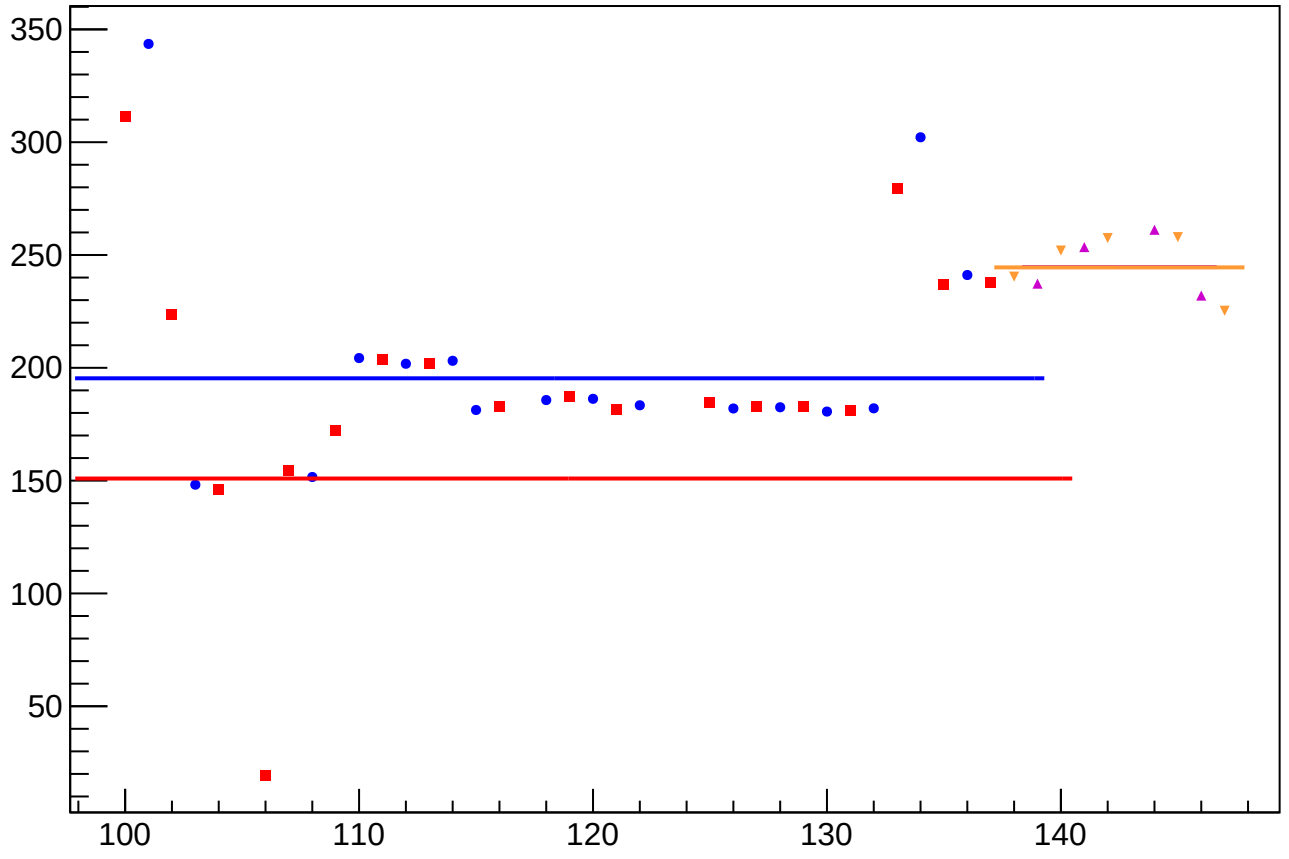
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.075+/-3.335 χ^2/NDF:23.4/3

+ sign -111.614+/-1.751 χ^2/NDF: 545.9/20

All: -107.721+/-1.245 χ^2/NDF: 1155.3/42

- sign -103.735+/-1.771 χ^2/NDF: 599.3/21



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 244.509+/-0.147 χ^2/NDF:7691.8/4

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

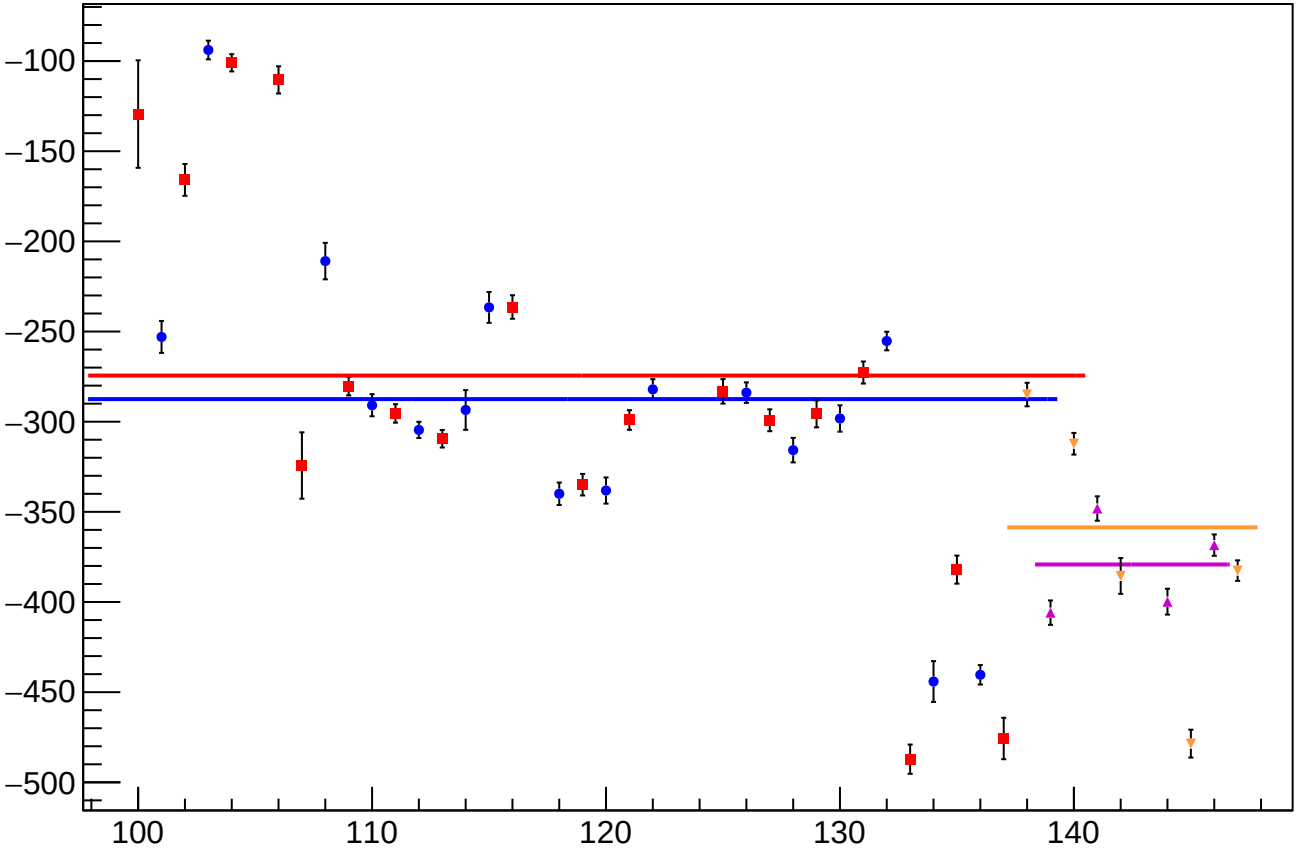
Left In: 244.660+/-0.156 χ^2/NDF:5503.9/3

+ sign 215.891+/-0.095 χ^2/NDF: 249674.4/20

All: 198.043+/-0.065 χ^2/NDF: 1061431.2/42

- sign 182.036+/-0.090 χ^2/NDF: 744930.4/21

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: -358.618+/-3.030 χ^2/NDF:452.6/4

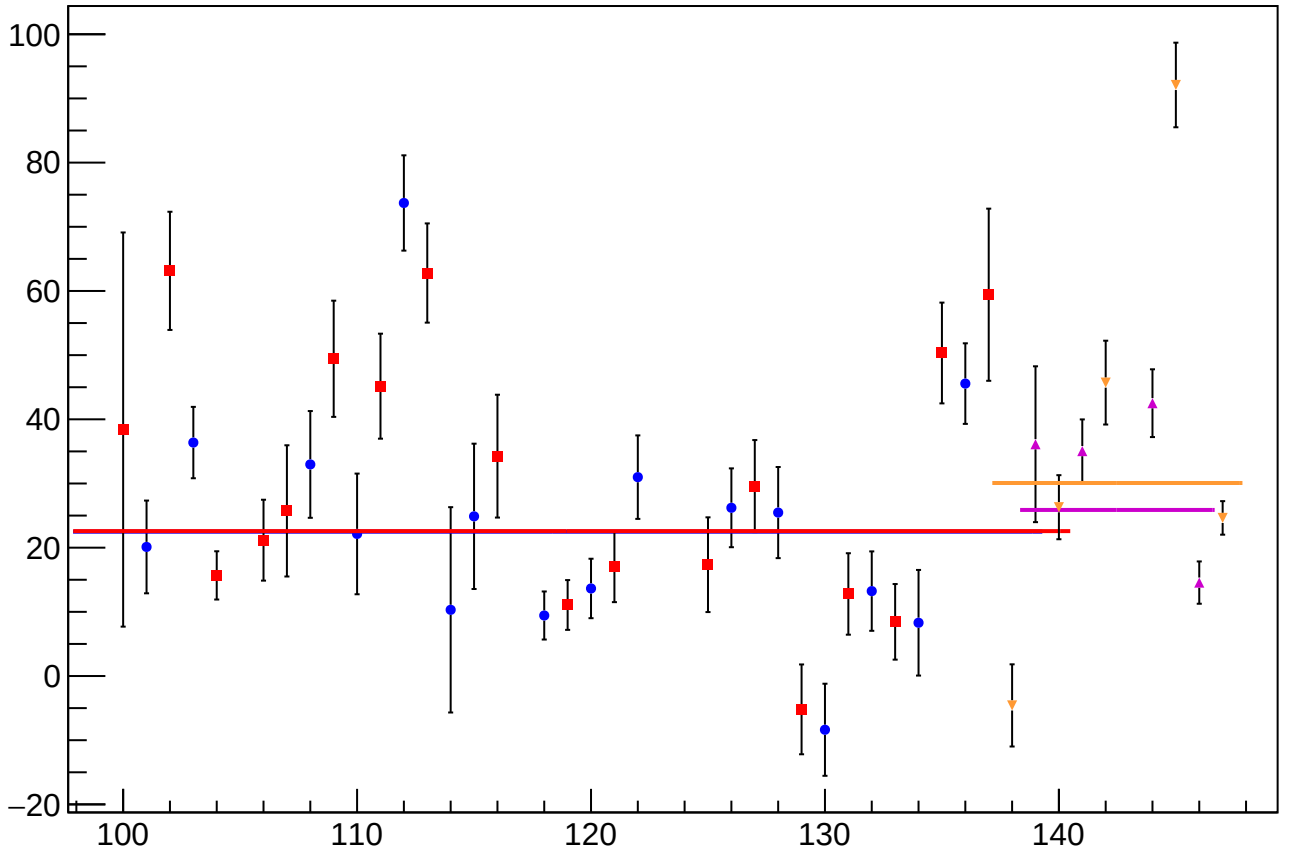
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -379.187+/-3.303 χ^2/NDF:48.2/3

+ sign -303.162+/-1.423 χ^2/NDF: 3579.0/20

All: -298.192+/-0.999 χ^2/NDF: 7888.8/42

- sign -293.348+/-1.404 χ^2/NDF: 4285.7/21



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 30.078+/-1.971 χ^2/NDF:128.5/4

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

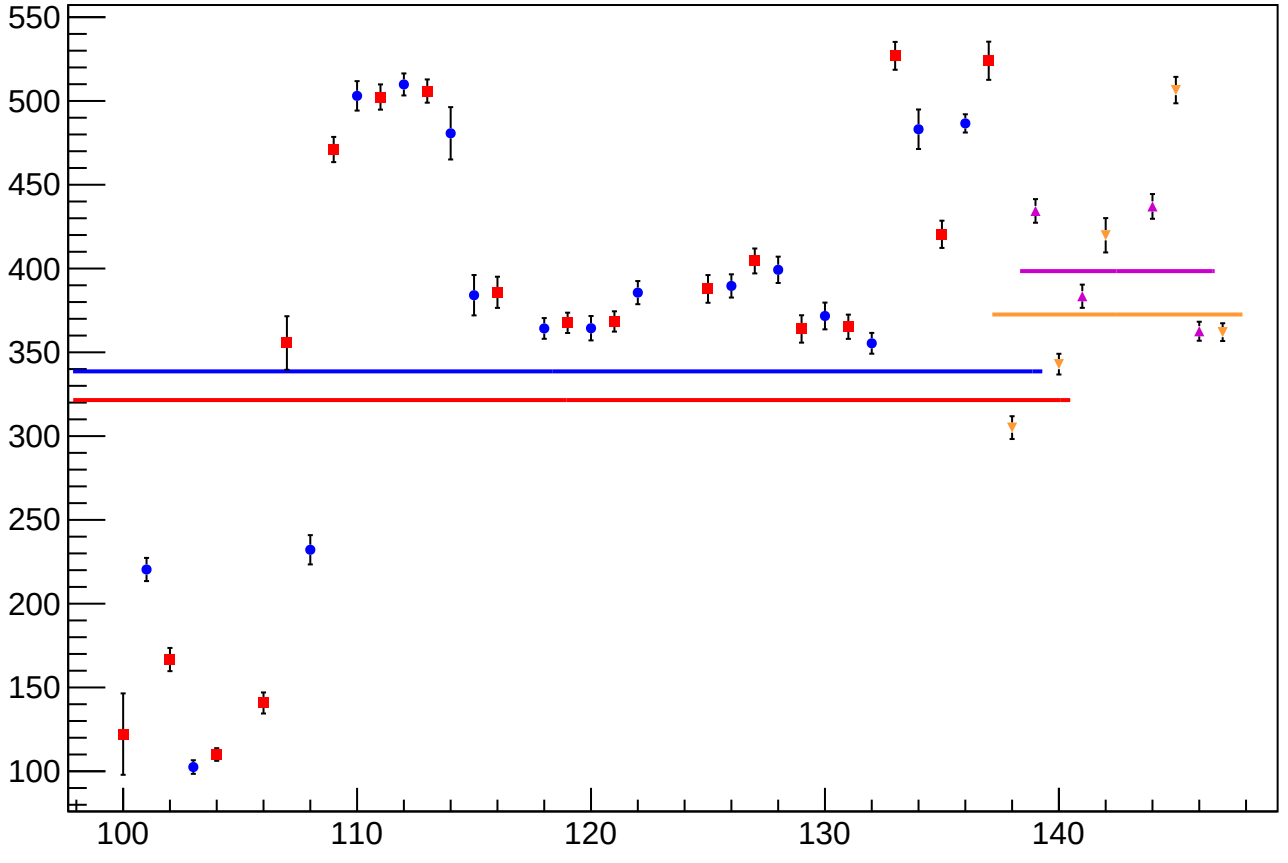
Left In: 25.878+/-2.386 χ^2/NDF:25.9/3

+ sign 25.553+/-1.252 χ^2/NDF: 248.7/20

All: 24.611+/-0.905 χ^2/NDF: 400.5/42

- sign 23.576+/-1.311 χ^2/NDF: 150.5/21

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: 372.566+/-3.029 χ^2/NDF:435.7/4

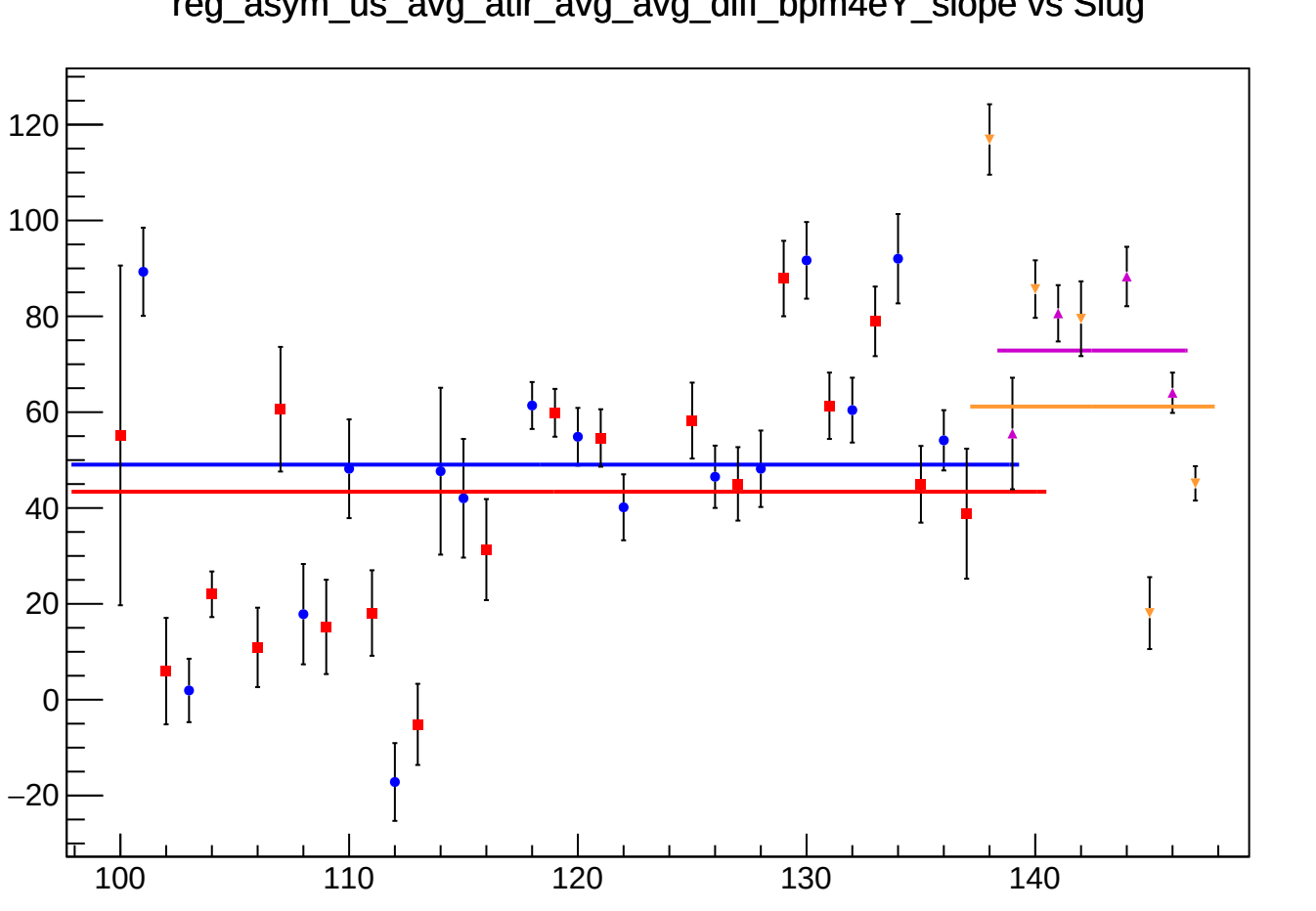
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 398.464+/-3.326 χ^2/NDF:98.0/3

\+ sign 347.112+/-1.514 χ^2/NDF: 6572.5/20

All: 342.218+/-1.069 χ^2/NDF: 14837.2/42

\- sign 337.353+/-1.510 χ^2/NDF: 8243.9/21



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 61.174+/-2.514 χ^2/NDF:132.7/4

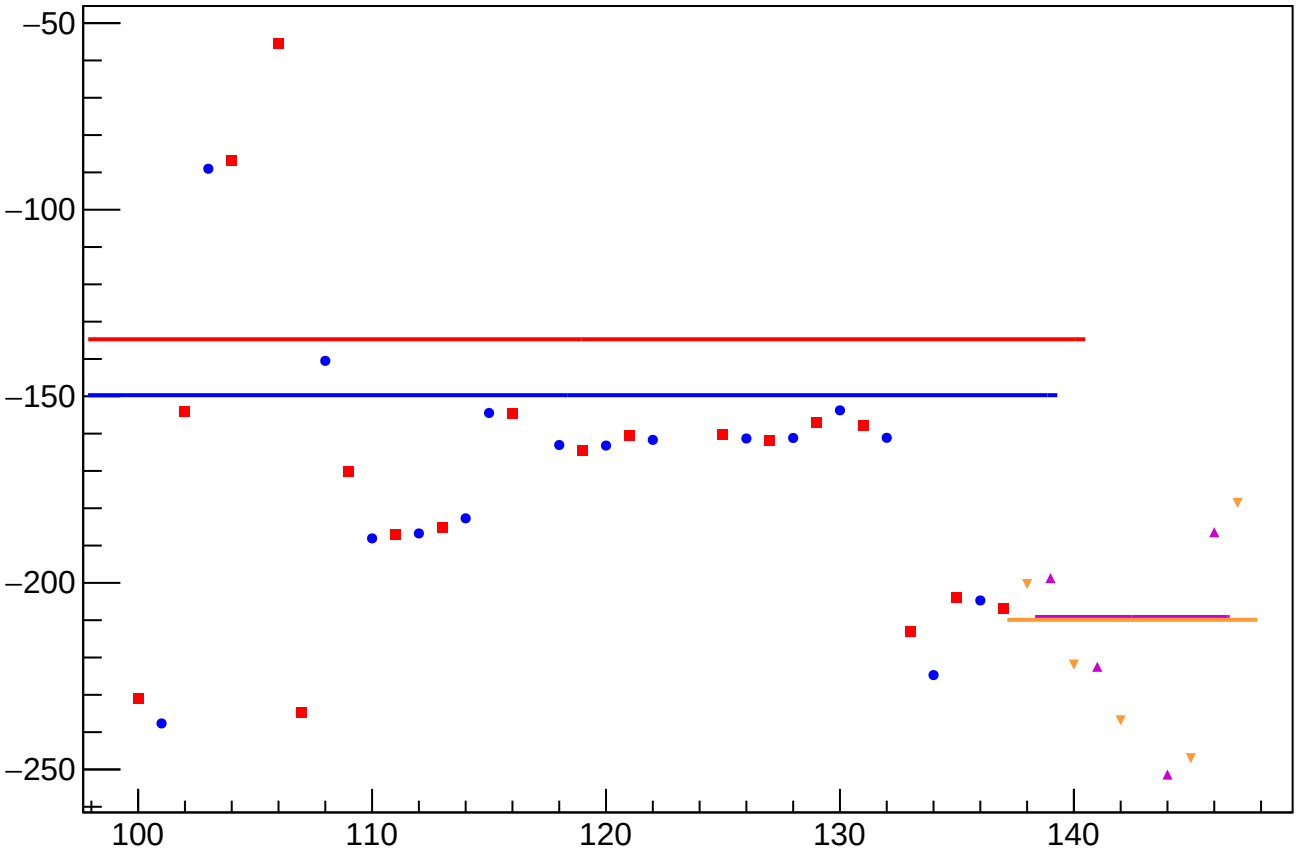
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.860+/-2.900 χ^2/NDF:14.6/3

+ sign 53.408+/-1.507 χ^2/NDF: 355.5/20

All: 52.631+/-1.080 χ^2/NDF: 624.4/42

- sign 51.809+/-1.550 χ^2/NDF: 268.3/21



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -209.892+/-0.129 χ^2/NDF:39001.2/4

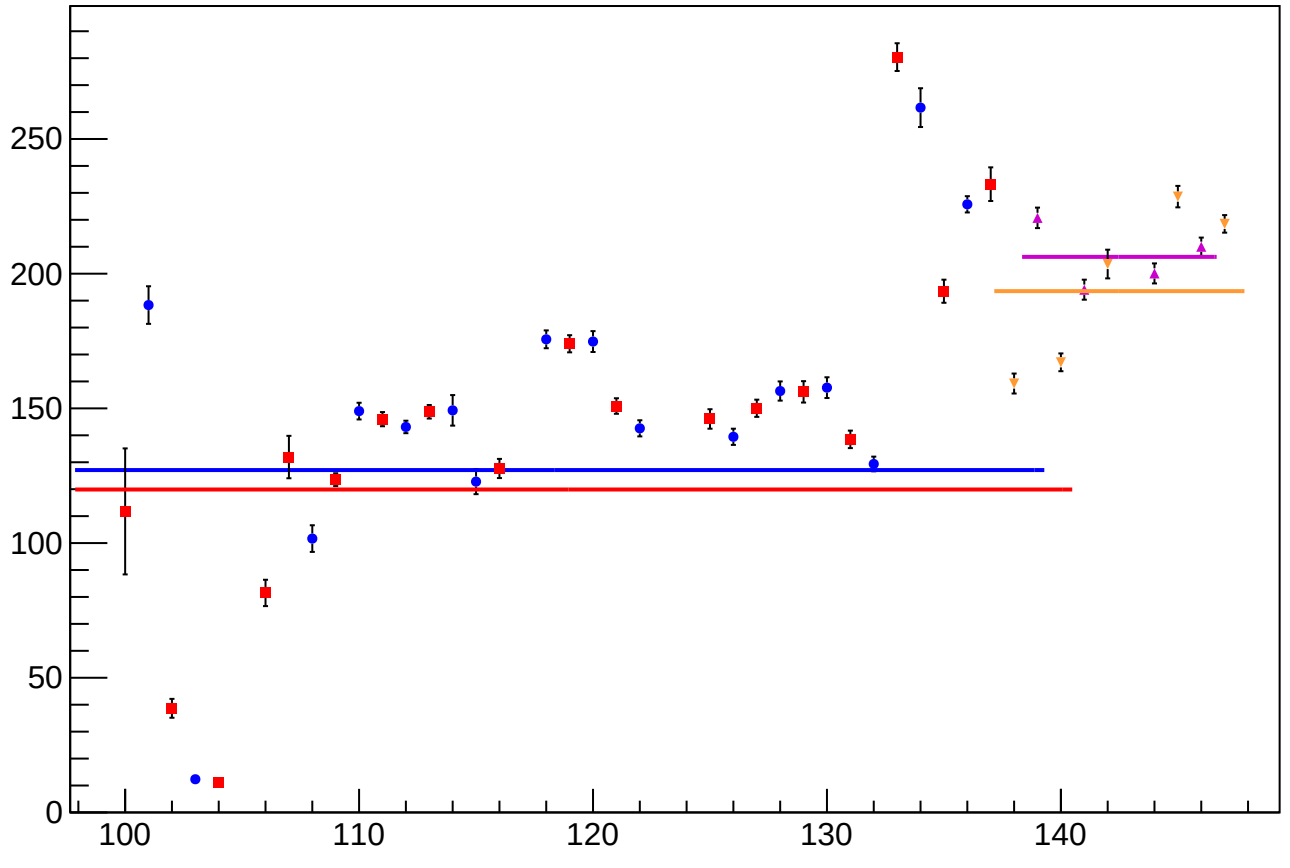
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -209.146+/-0.136 χ^2/NDF:28874.8/3

\+ sign -172.597+/-0.079 χ^2/NDF: 431074.3/20

All: -166.189+/-0.056 χ^2/NDF: 984400.1/42

\- sign -159.849+/-0.079 χ^2/NDF: 540355.1/21



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.525+/-1.674 χ^2/NDF:289.5/4

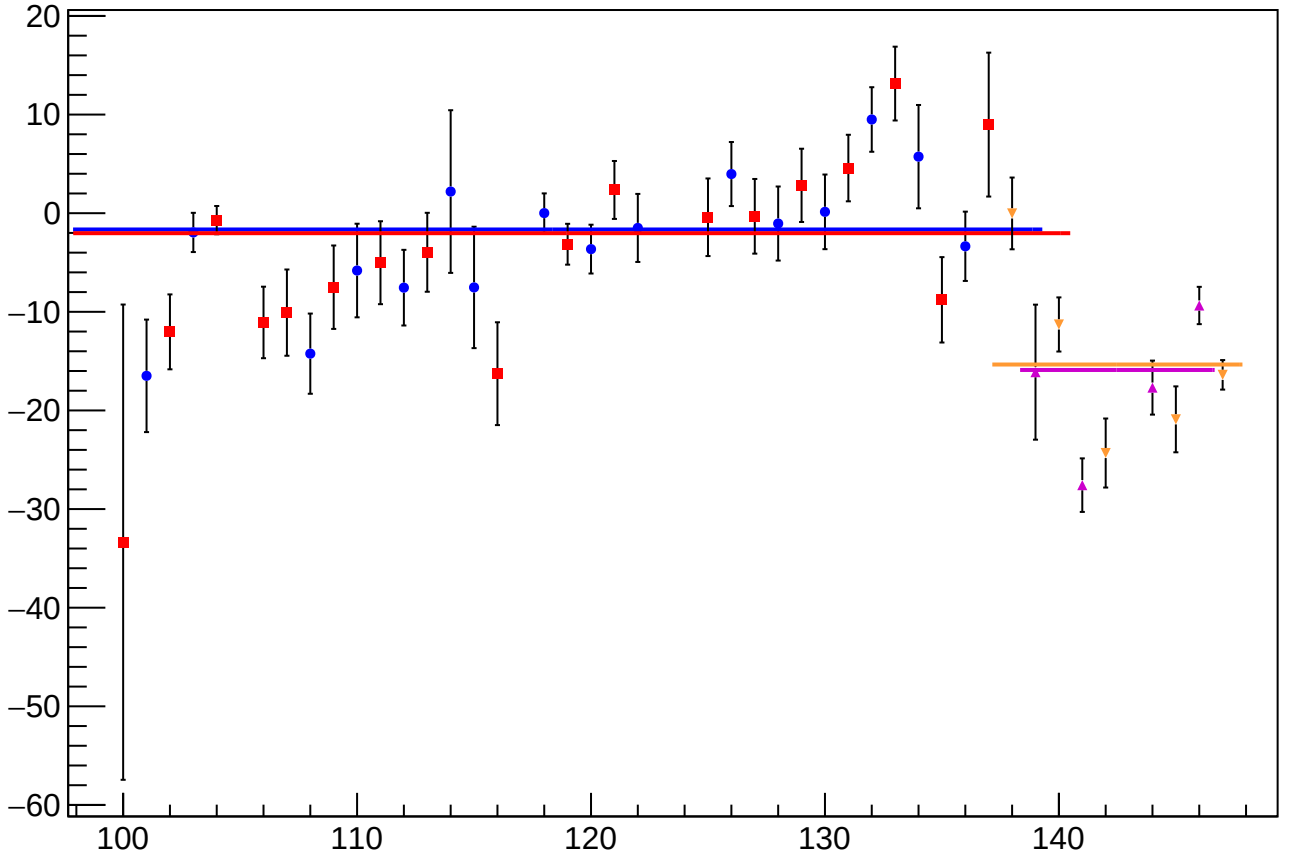
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.243+/-1.824 χ^2/NDF:29.2/3

\+ sign 139.724+/-0.730 χ^2/NDF: 7728.2/20

All: 136.321+/-0.510 χ^2/NDF: 16349.6/42

\- sign 133.075+/-0.713 χ^2/NDF: 8578.9/21



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -15.343+/-1.100 χ^2/NDF:29.8/4

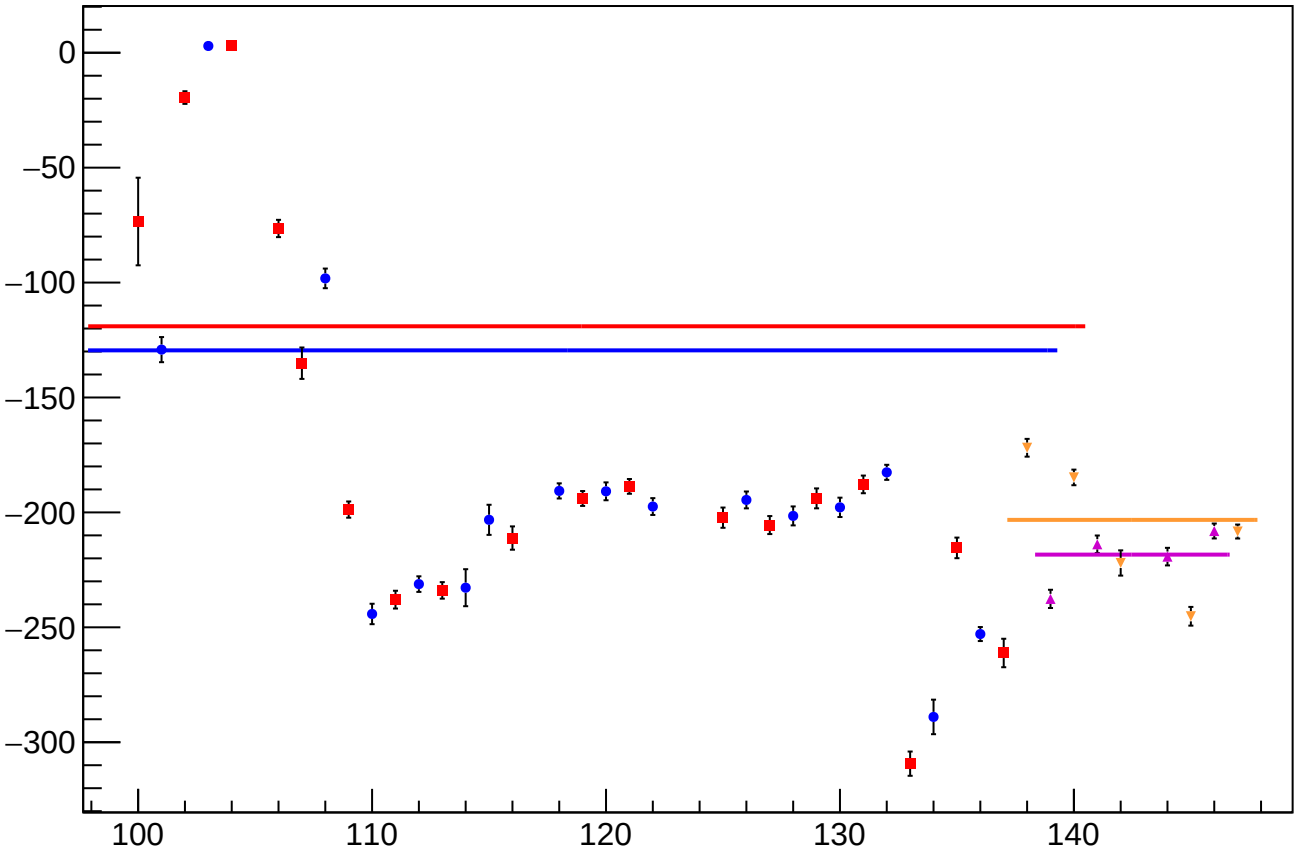
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.897+/-1.325 χ^2/NDF:30.9/3

+ sign -6.637+/-0.664 χ^2/NDF: 167.3/20

All: -6.086+/-0.470 χ^2/NDF: 340.0/42

- sign -5.531+/-0.666 χ^2/NDF: 171.4/21



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -203.252+/-1.678 χ^2/NDF:215.8/4

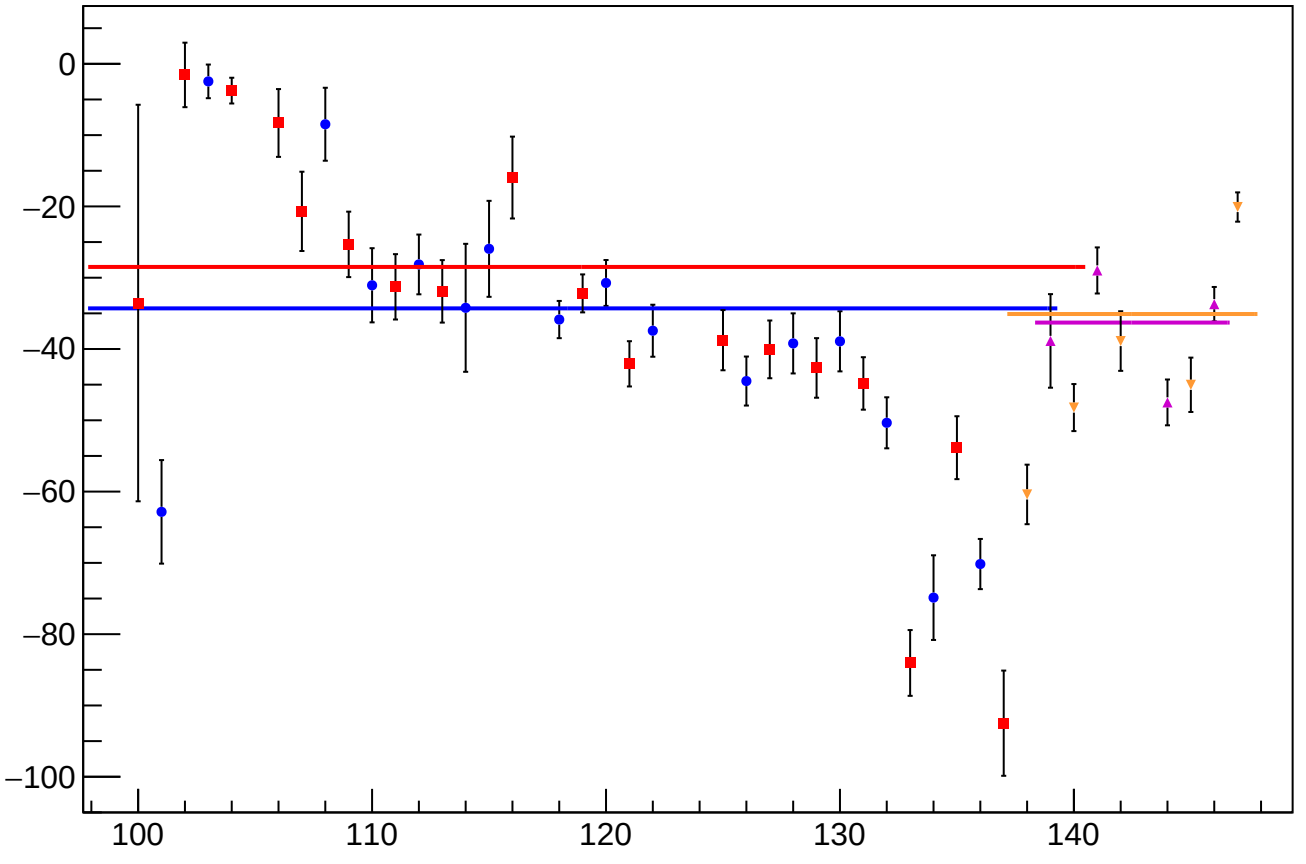
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -218.366+/-1.839 χ^2/NDF:35.1/3

+ sign -144.461+/-0.756 χ^2/NDF: 16444.3/20

All: -139.782+/-0.530 χ^2/NDF: 35173.0/42

- sign -135.254+/-0.743 χ^2/NDF: 18653.3/21



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.093+/-1.397 χ^2/NDF:113.5/4

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

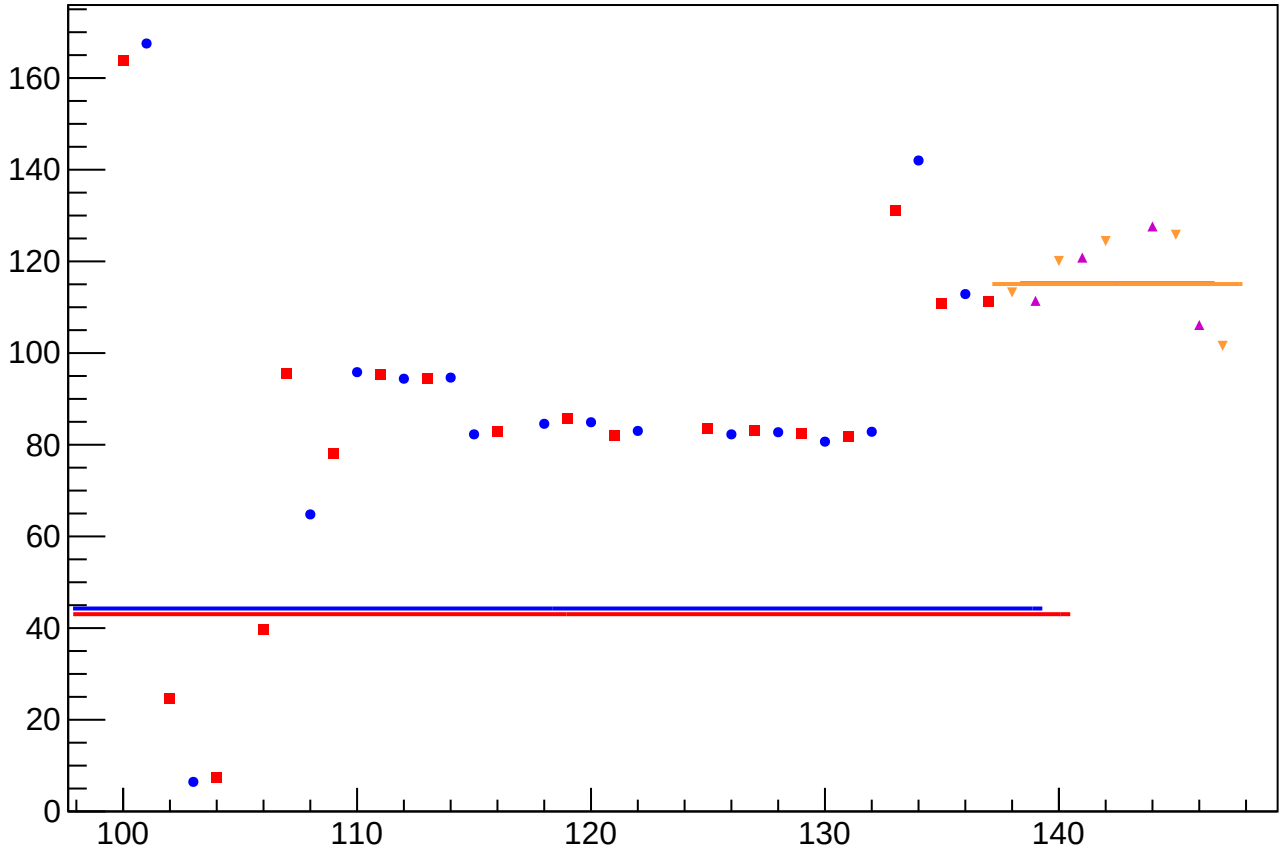
Left In: -36.293+/-1.606 χ^2/NDF:18.6/3

+ sign -34.557+/-0.796 χ^2/NDF: 525.1/20

All: -32.451+/-0.560 χ^2/NDF: 1143.5/42

- sign -30.375+/-0.790 χ^2/NDF: 604.5/21

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 115.061+/-0.071 χ^2/NDF:17358.6/4

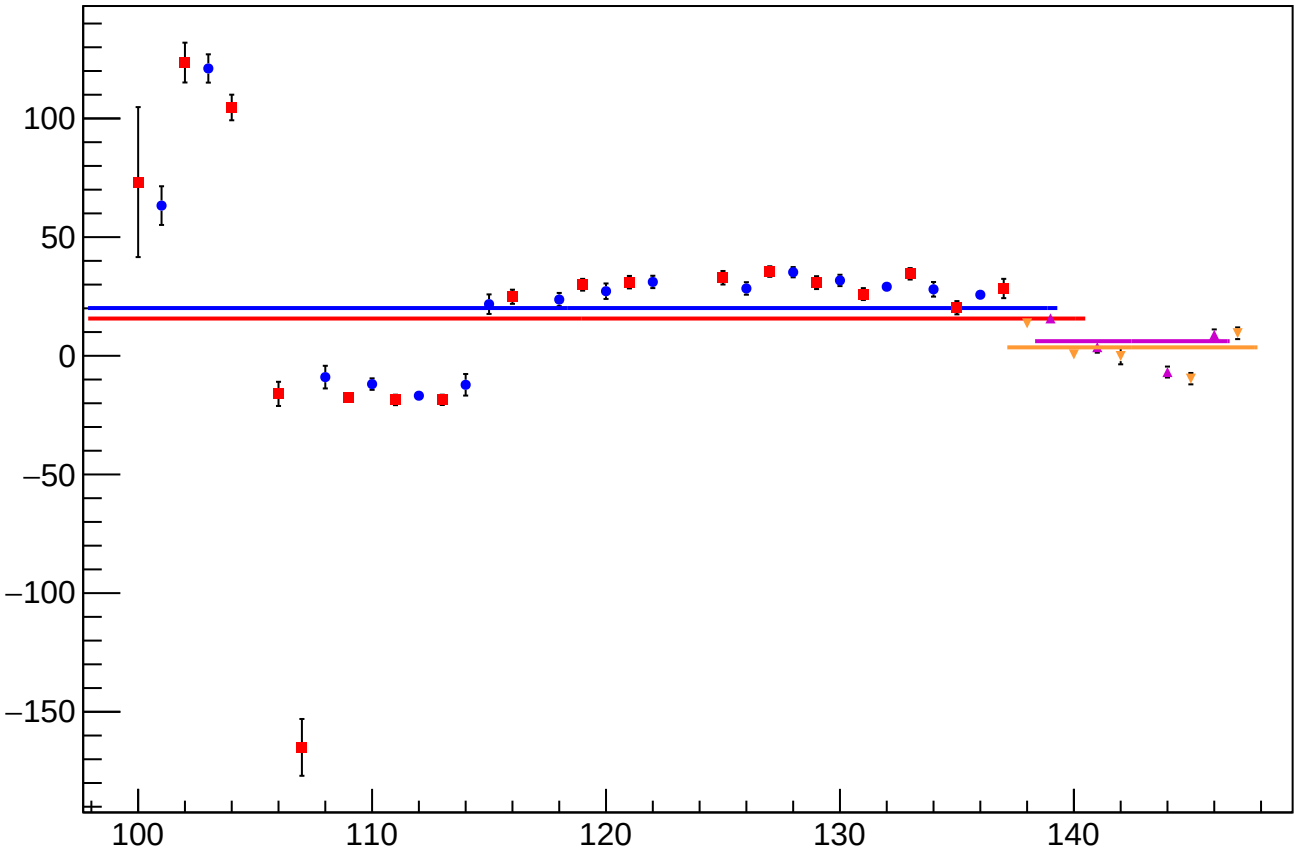
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.189+/-0.075 χ^2/NDF:11505.0/3

+ sign 64.470+/-0.038 χ^2/NDF: 1810257.5/20

All: 63.274+/-0.027 χ^2/NDF: 3304871.4/42

- sign 62.036+/-0.039 χ^2/NDF: 1492597.9/21



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 3.553+/-1.065 χ^2/NDF:62.6/4

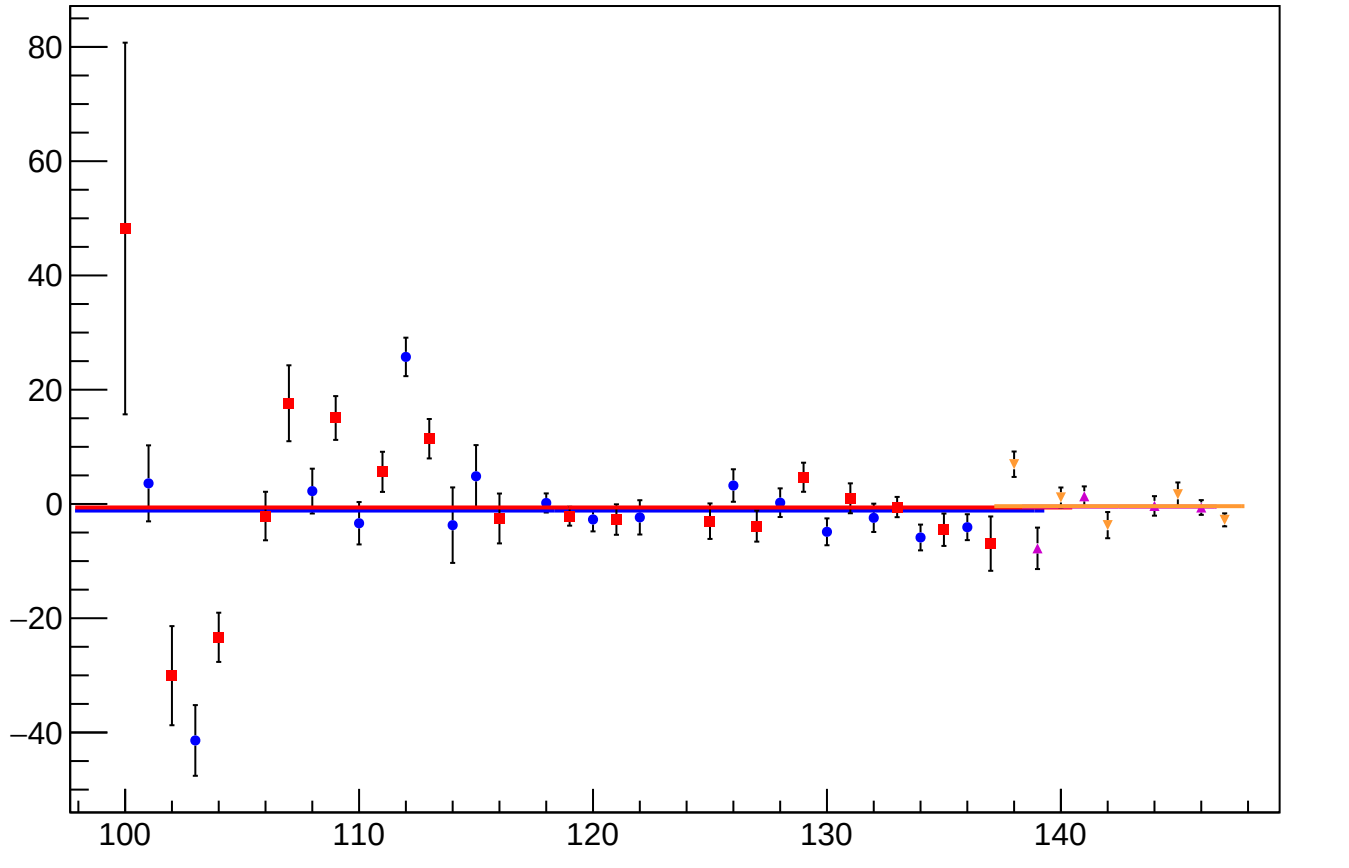
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.164+/-1.111 χ^2/NDF:57.2/3

\+ sign 15.247+/-0.577 χ^2/NDF: 1281.6/20

All: 14.176+/-0.410 χ^2/NDF: 3173.0/42

\- sign 13.091+/-0.581 χ^2/NDF: 1884.5/21



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.387+/-0.761 χ^2/NDF:19.2/4

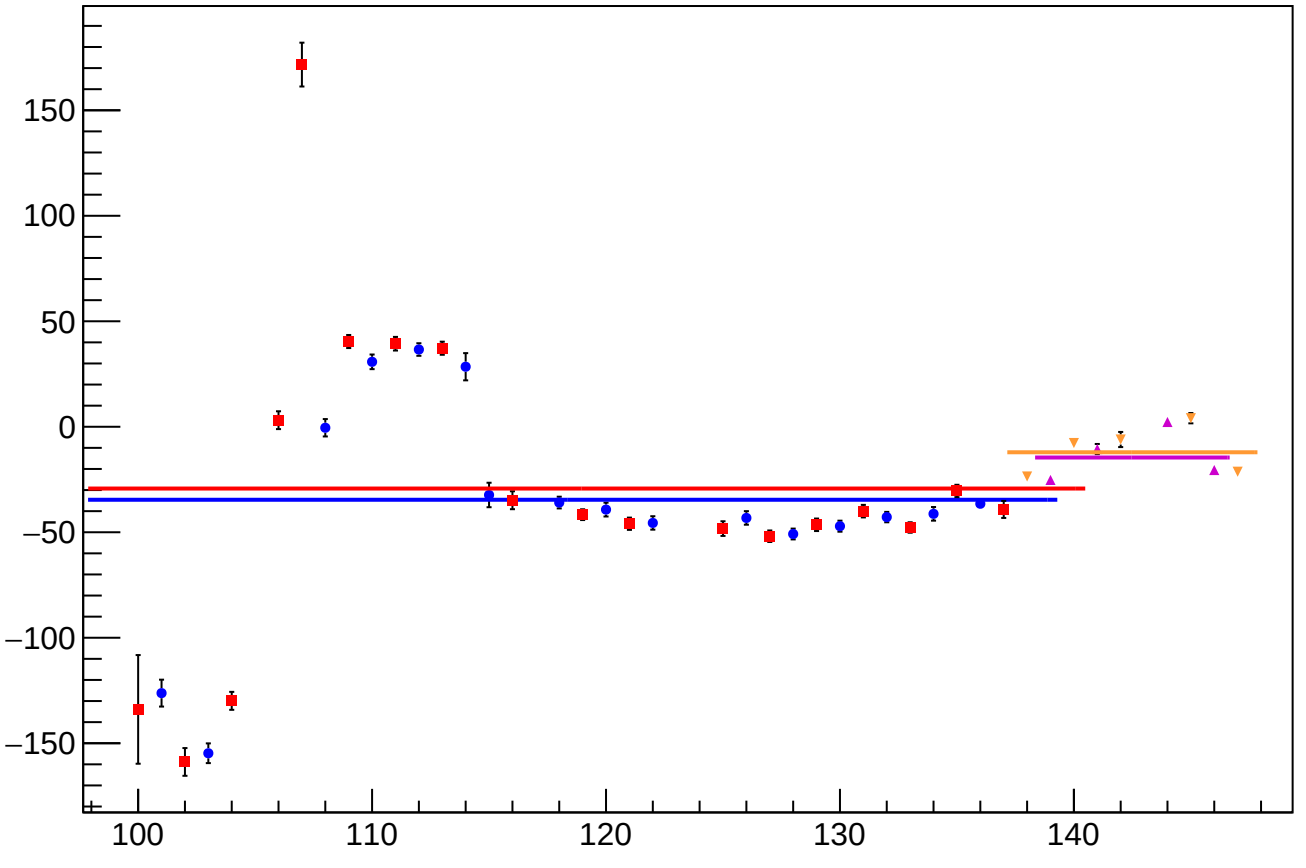
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.463+/-0.860 χ^2/NDF:5.2/3

+ sign -0.801+/-0.515 χ^2/NDF: 141.6/20

All: -0.685+/-0.376 χ^2/NDF: 240.3/42

- sign -0.553+/-0.549 χ^2/NDF: 98.6/21



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -12.090+/-1.076 χ^2/NDF:94.5/4

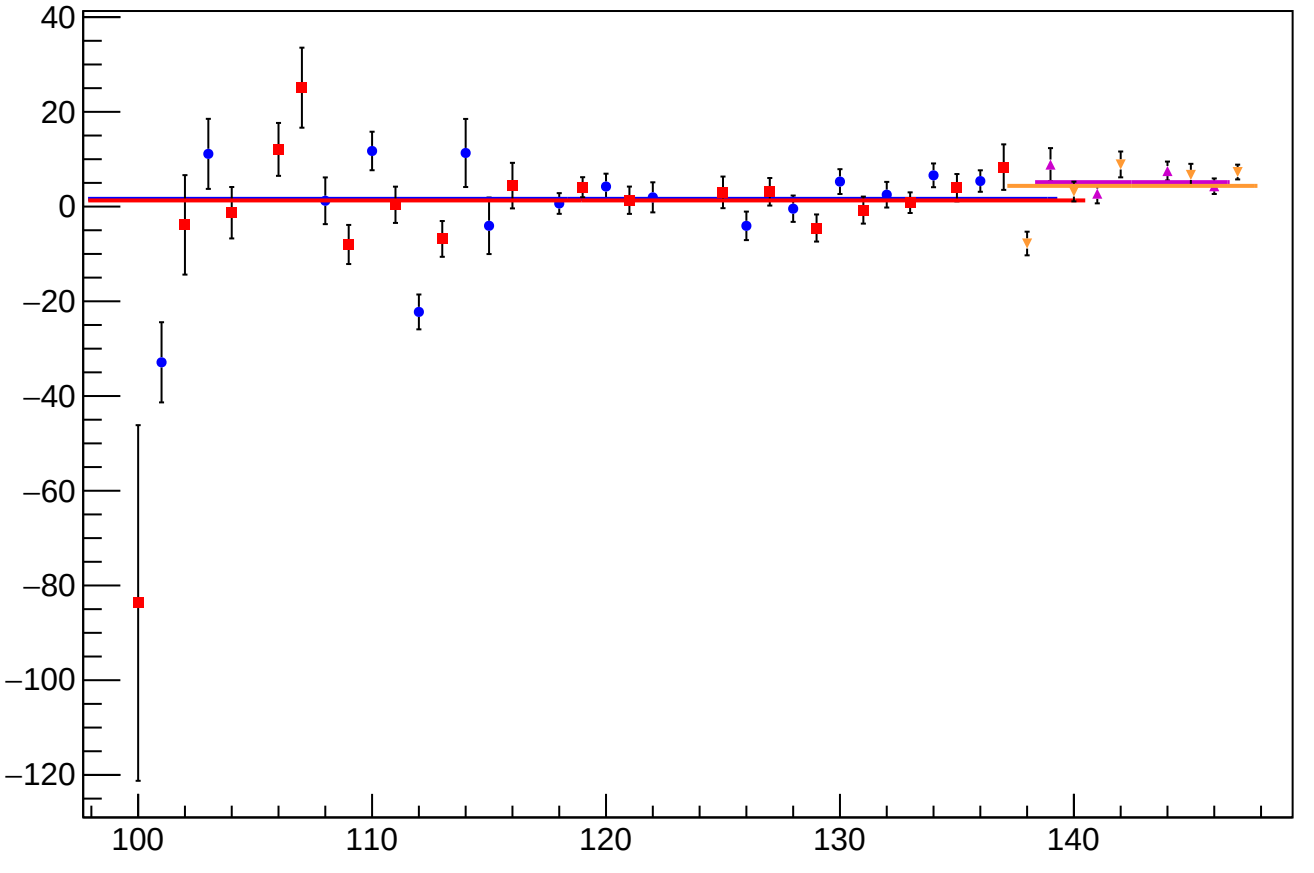
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -14.576+/-1.127 χ^2/NDF:86.2/3

+ sign -26.763+/-0.635 χ^2/NDF: 2438.2/20

All: -25.590+/-0.455 χ^2/NDF: 5725.7/42

- sign -24.353+/-0.652 χ^2/NDF: 3280.5/21



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.371+/-0.945 χ^2/NDF:31.3/4

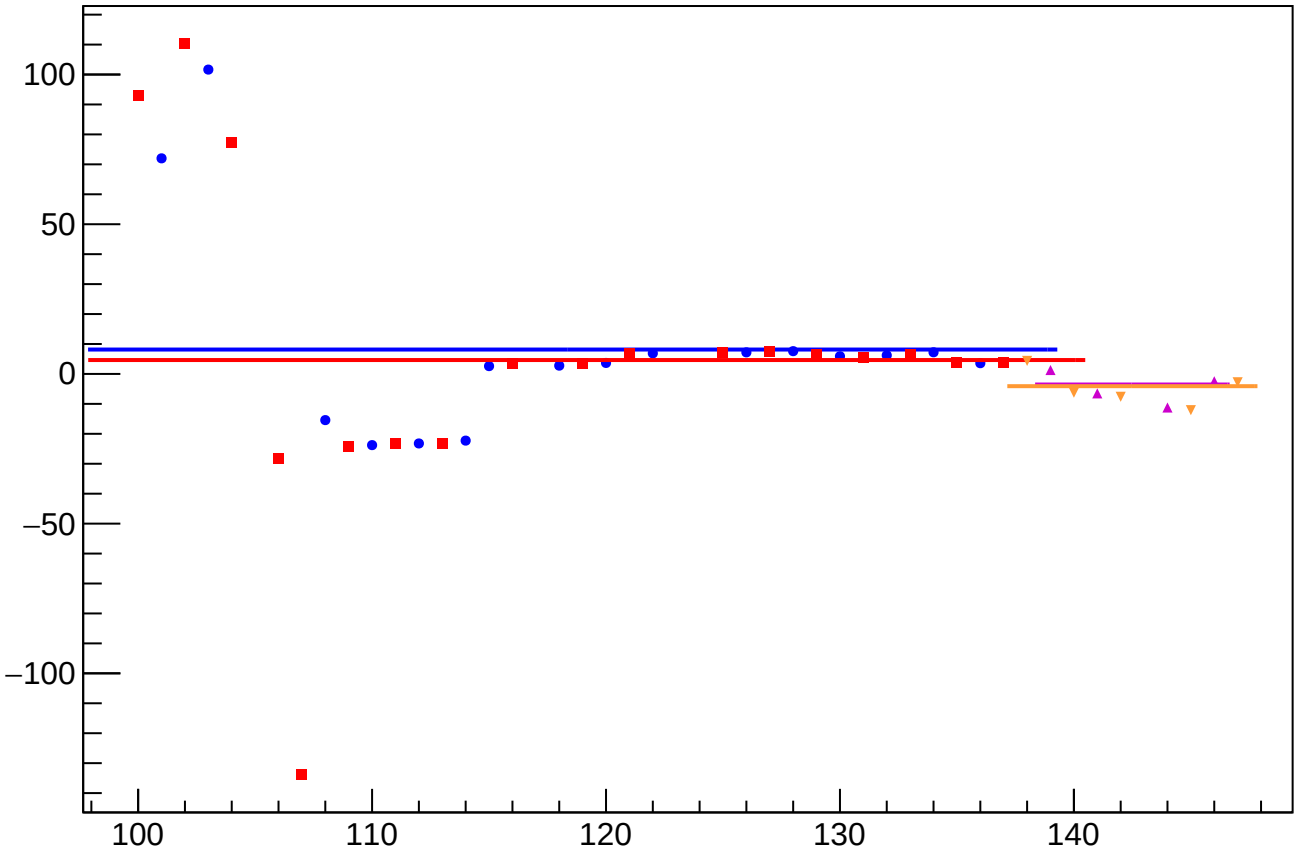
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 5.156+/-1.030 χ^2/NDF:4.2/3

+ sign 2.769+/-0.609 χ^2/NDF: 119.5/20

All: 2.778+/-0.441 χ^2/NDF: 169.9/42

- sign 2.787+/-0.640 χ^2/NDF: 50.3/21



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.093+/-0.045 χ^2/NDF:17927.8/4

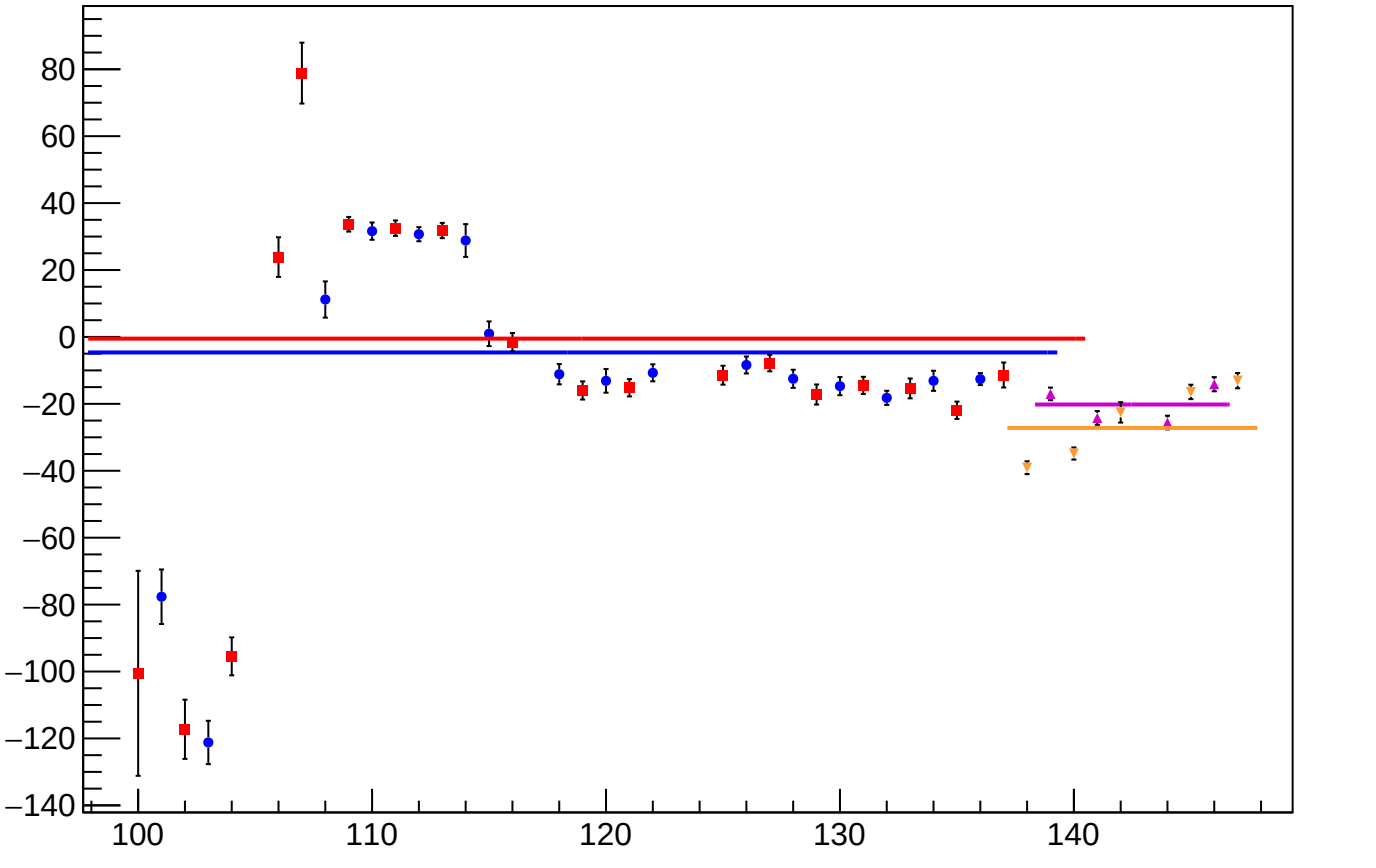
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.537+/-0.045 χ^2/NDF:10475.3/3

+ sign 1.553+/-0.033 χ^2/NDF: 365760.6/20

All: 0.818+/-0.024 χ^2/NDF: 838197.9/42

- sign 0.026+/-0.034 χ^2/NDF: 471396.9/21



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.193+/-0.959 χ^2/NDF:121.6/4

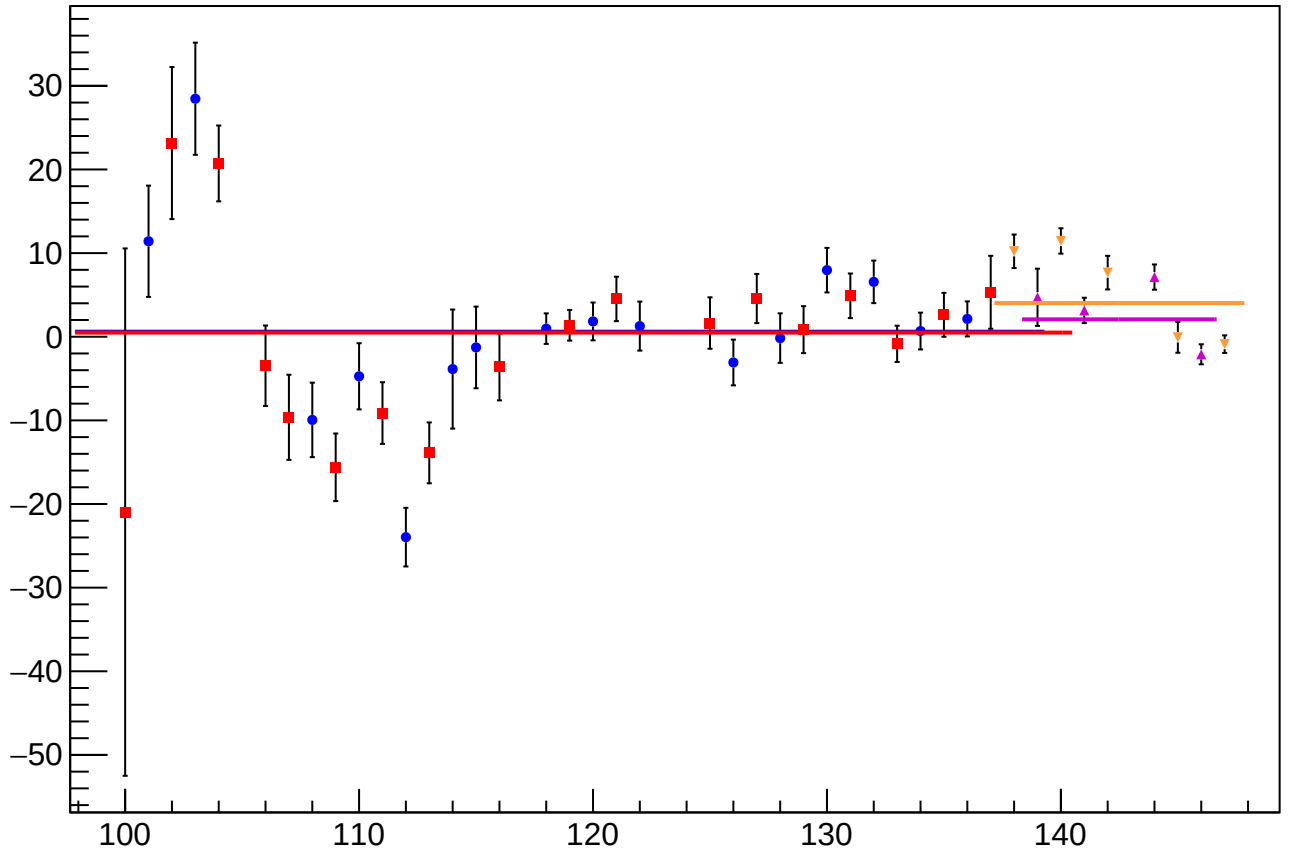
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.200+/-1.012 χ^2/NDF:21.8/3

+ sign -12.652+/-0.571 χ^2/NDF: 1524.7/20

All: -9.883+/-0.408 χ^2/NDF: 3305.8/42

- sign -7.014+/-0.582 χ^2/NDF: 1733.3/21



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 4.027+/-0.685 χ^2/NDF:63.6/4

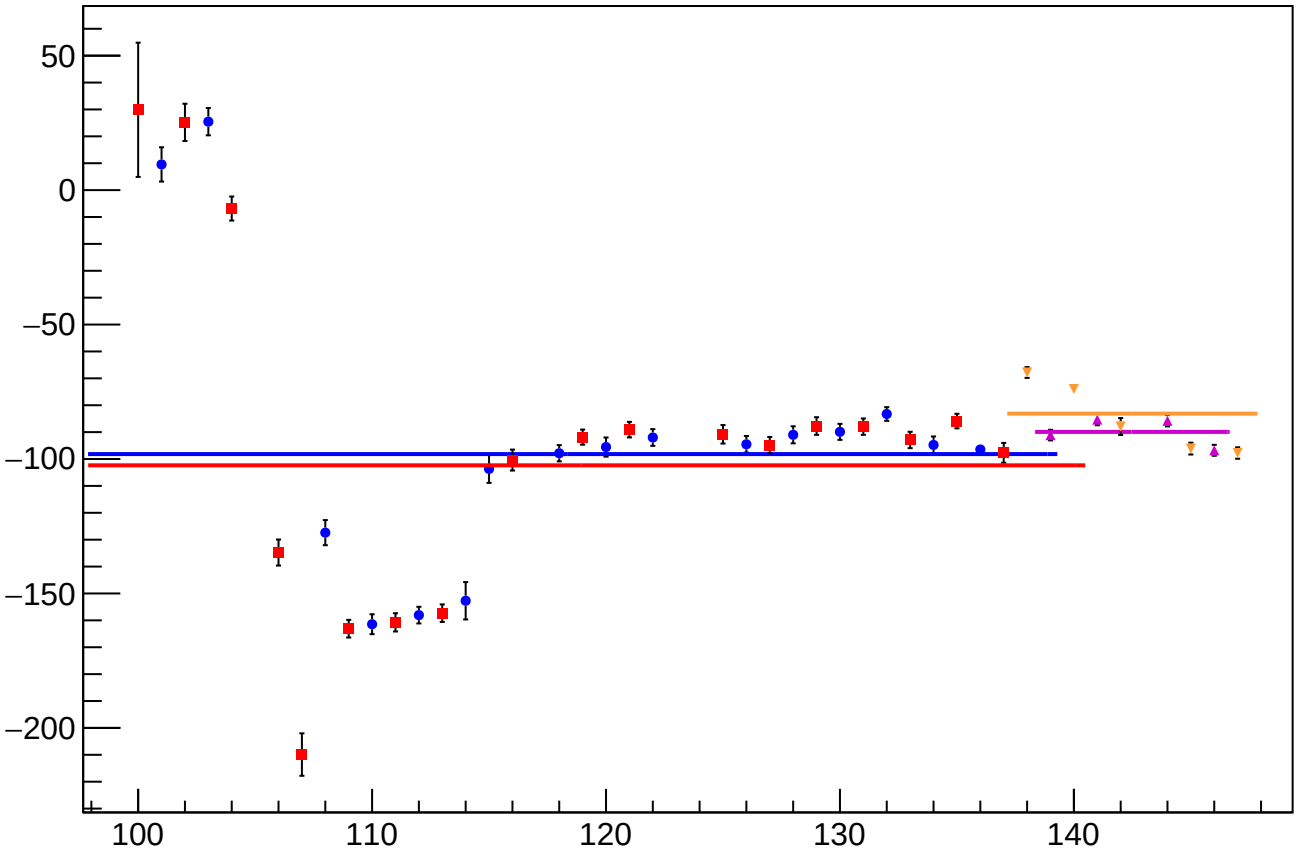
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.079+/-0.777 χ^2/NDF:24.5/3

+ sign 2.417+/-0.498 χ^2/NDF: 168.3/20

All: 1.889+/-0.367 χ^2/NDF: 277.5/42

- sign 1.265+/-0.541 χ^2/NDF: 106.8/21



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -83.112+/-0.970 χ^2/NDF:166.6/4

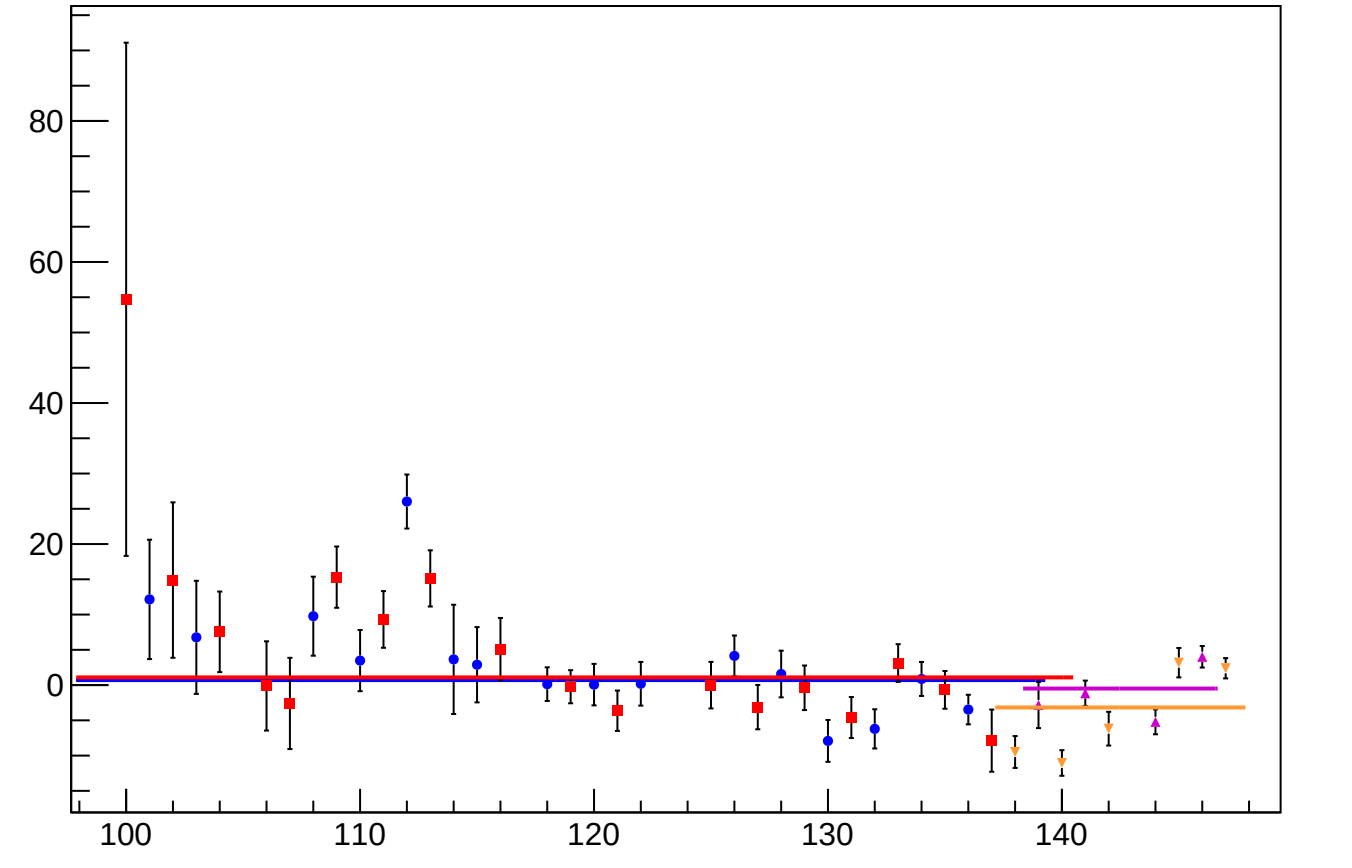
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -89.914+/-1.026 χ^2/NDF:20.3/3

+ sign -91.957+/-0.623 χ^2/NDF: 2008.1/20

All: -94.560+/-0.449 χ^2/NDF: 4270.5/42

- sign -97.383+/-0.649 χ^2/NDF: 2226.0/21



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.174+/-0.850 χ^2/NDF:52.3/4

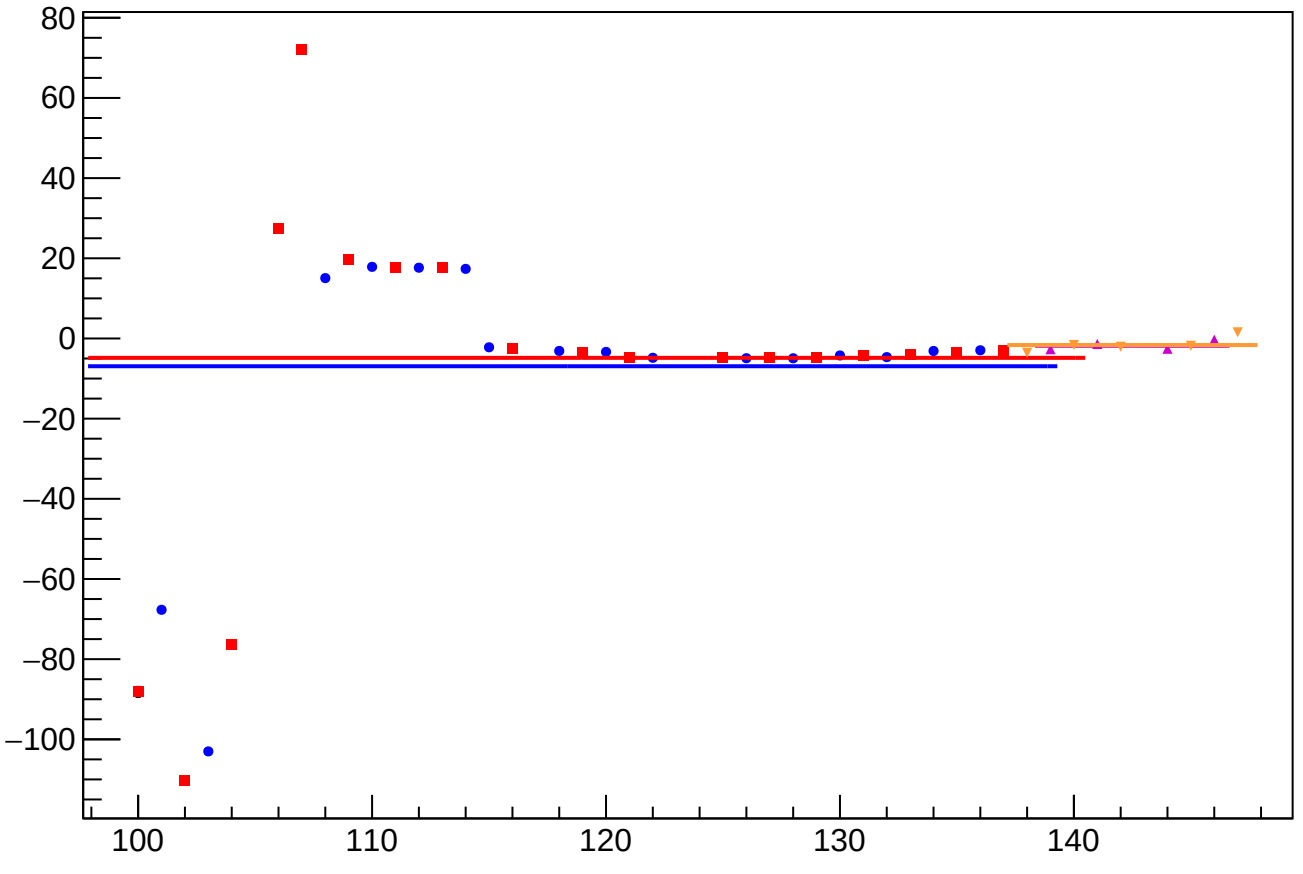
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.490+/-0.931 χ^2/NDF:16.5/3

+ sign -1.166+/-0.590 χ^2/NDF: 132.8/20

All: -0.451+/-0.431 χ^2/NDF: 201.6/42

- sign 0.365+/-0.630 χ^2/NDF: 65.7/21



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.641+/-0.040 χ^2/NDF:1740.0/4

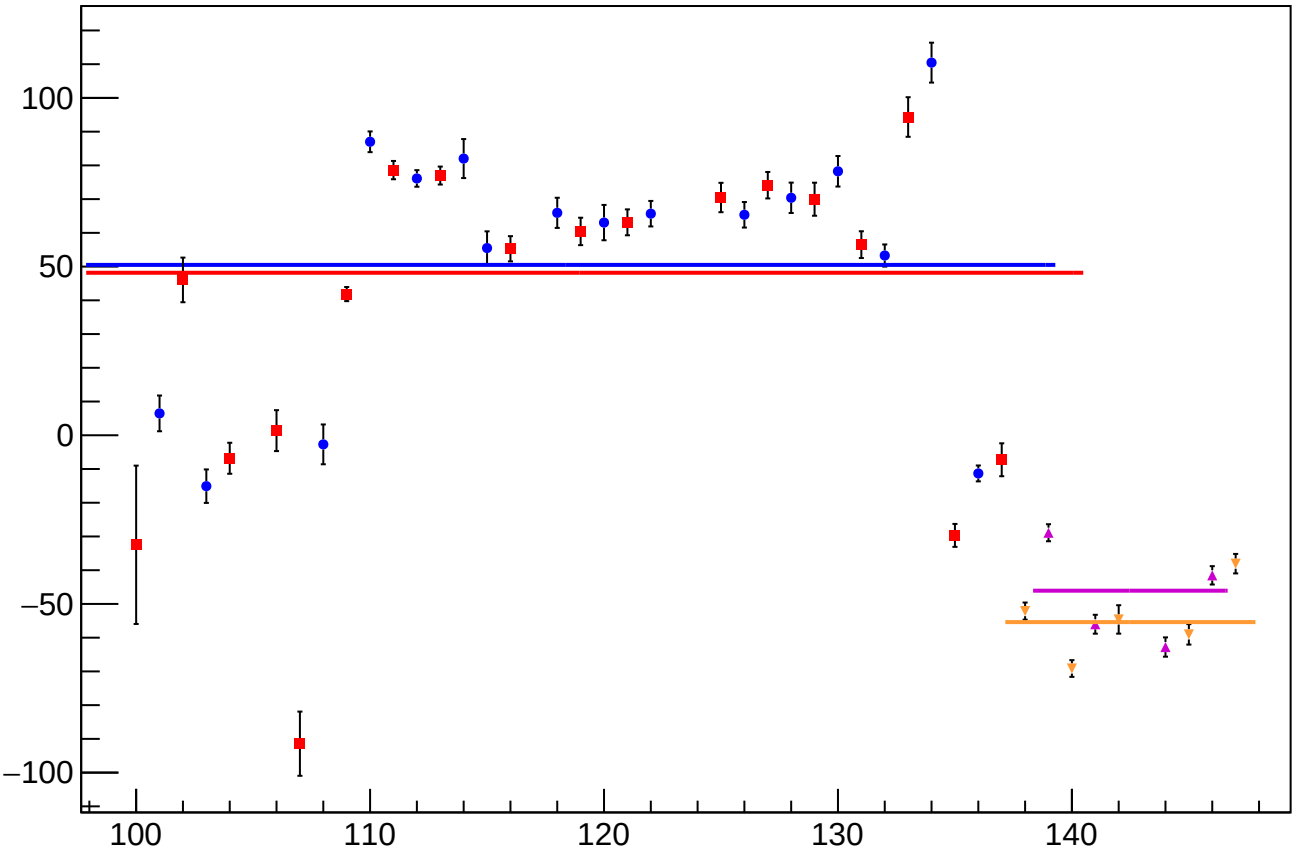
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.821+/-0.042 χ^2/NDF:544.9/3

+ sign -3.809+/-0.031 χ^2/NDF: 273926.4/20

All: -3.411+/-0.023 χ^2/NDF: 616188.5/42

- sign -2.972+/-0.033 χ^2/NDF: 341917.6/21



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -55.383+/-1.288 χ^2/NDF:69.9/4

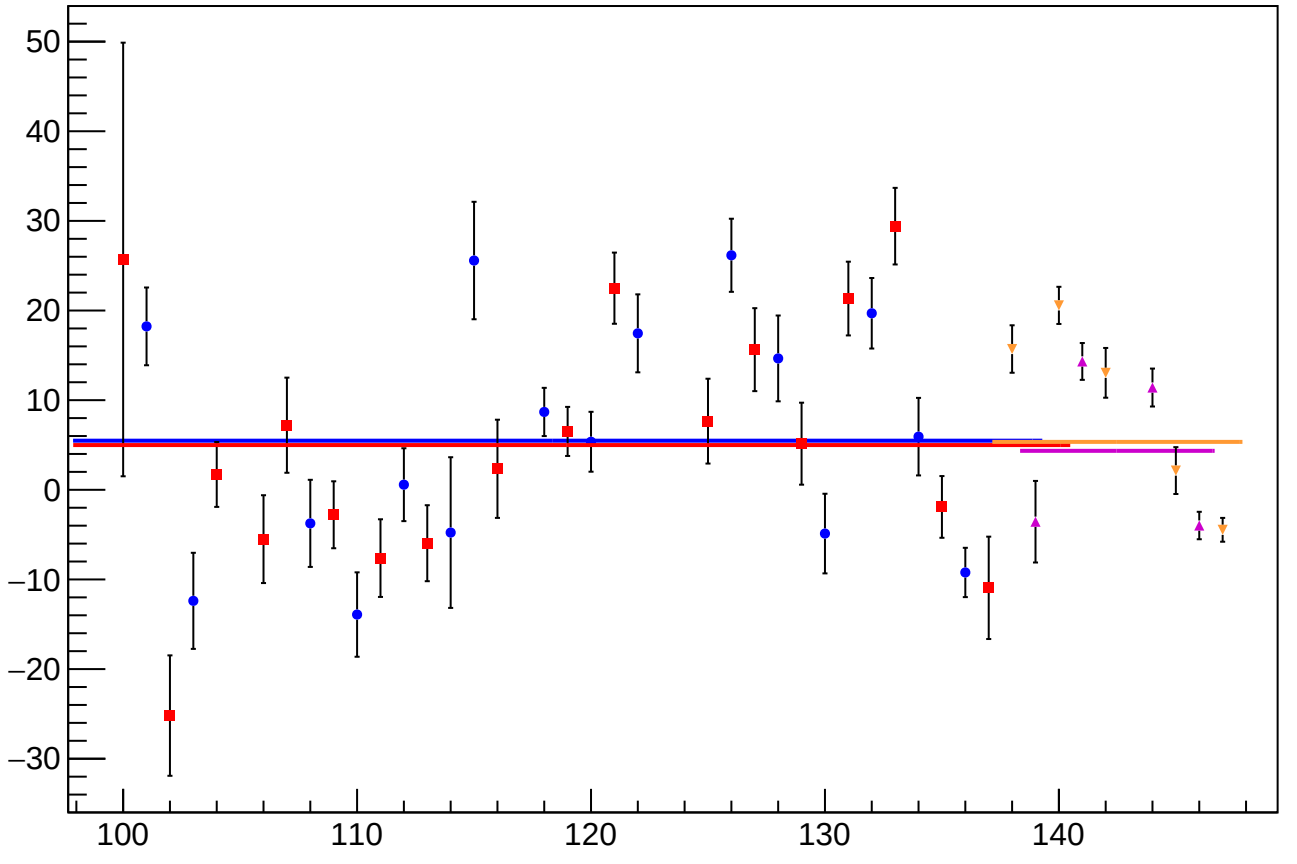
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.073+/-1.359 χ^2/NDF:95.8/3

+ sign 12.403+/-0.772 χ^2/NDF: 5902.7/20

All: 15.656+/-0.541 χ^2/NDF: 10865.1/42

- sign 18.793+/-0.759 χ^2/NDF: 4927.5/21



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 5.347+/-0.906 χ^2/NDF:133.0/4

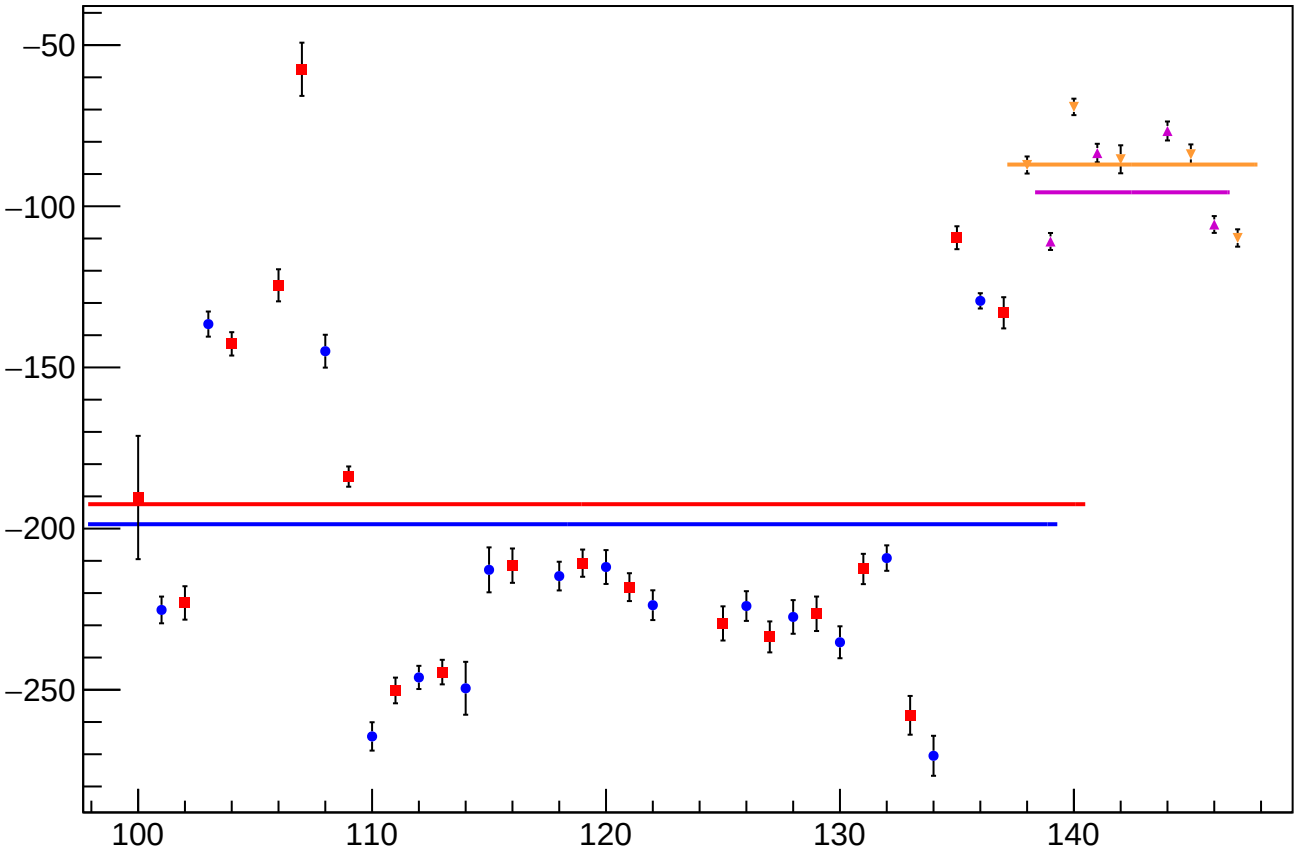
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 4.348+/-1.034 χ^2/NDF:67.4/3

+ sign 5.406+/-0.678 χ^2/NDF: 271.2/20

All: 5.065+/-0.496 χ^2/NDF: 471.1/42

- sign 4.674+/-0.727 χ^2/NDF: 199.4/21



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -87.056+/-1.299 χ^2/NDF:122.0/4

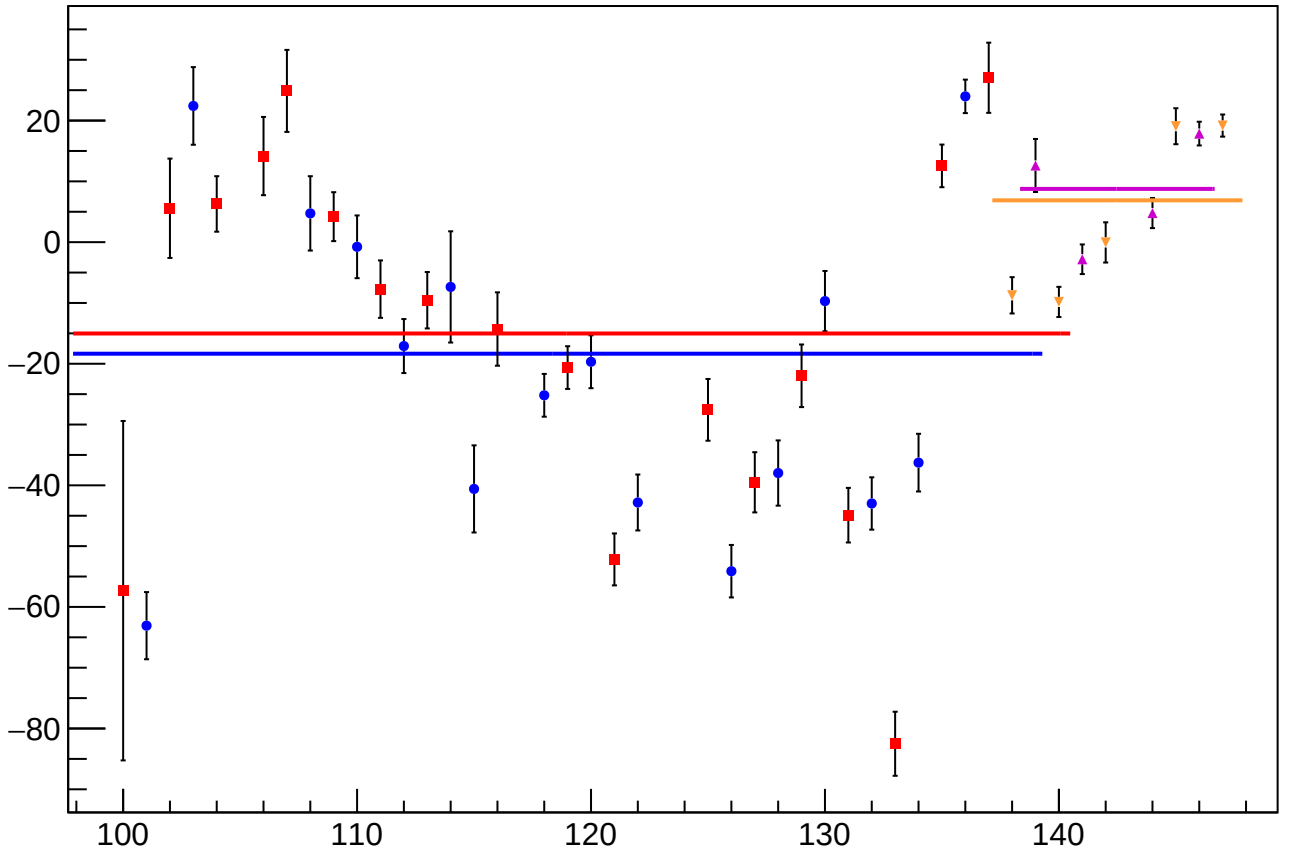
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -95.670+/-1.376 χ^2/NDF:107.9/3

\+ sign -152.877+/-0.832 χ^2/NDF: 6475.0/20

All: -154.190+/-0.594 χ^2/NDF: 11786.8/42

\- sign -155.558+/-0.849 χ^2/NDF: 5306.8/21



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 6.881+/-1.131 χ^2/NDF:139.7/4

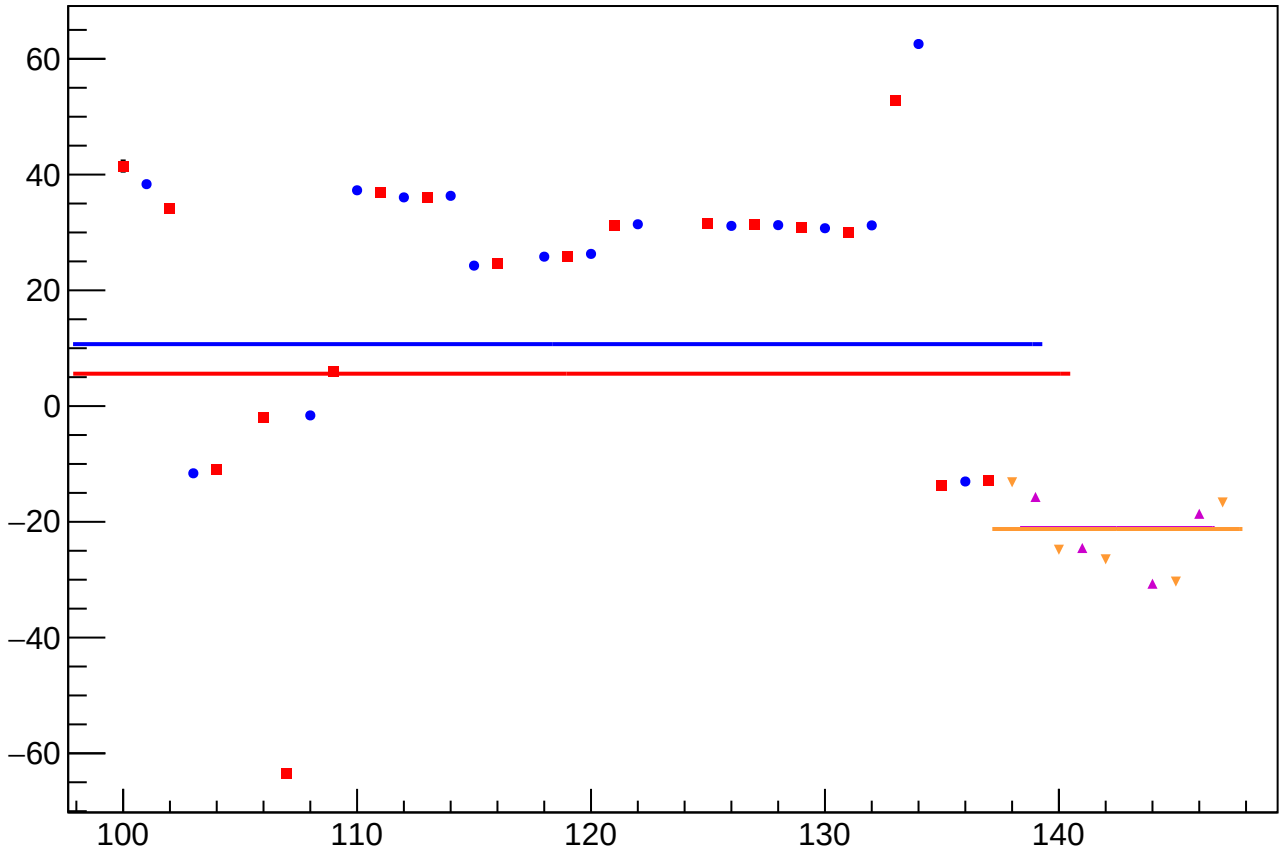
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.761+/-1.243 χ^2/NDF:47.7/3

+ sign -5.423+/-0.810 χ^2/NDF: 926.2/20

All: -4.715+/-0.586 χ^2/NDF: 1717.2/42

- sign -3.937+/-0.849 χ^2/NDF: 789.4/21



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -21.238+/-0.054 χ^2/NDF:14905.5/4

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

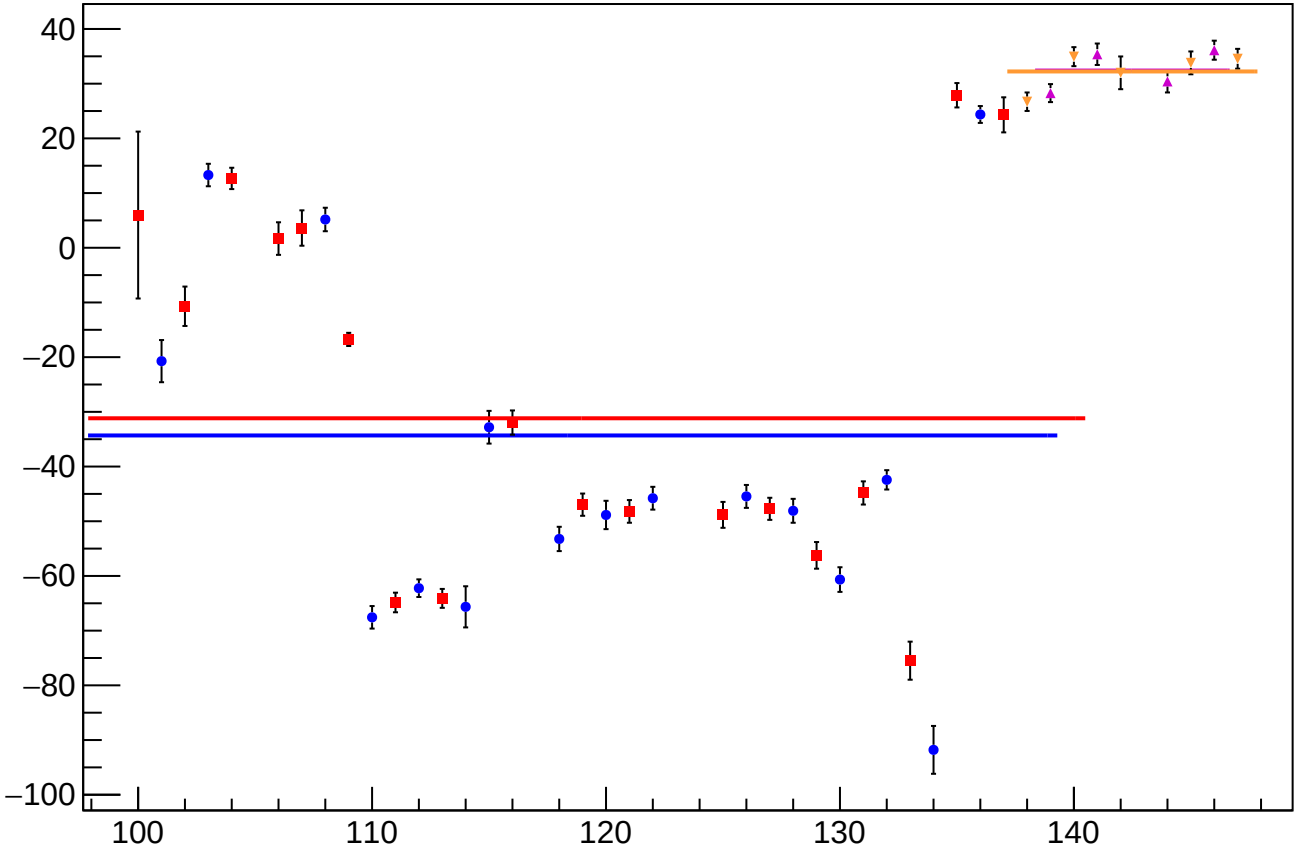
Left In: -21.068+/-0.056 χ^2/NDF:9943.1/3

+ sign -7.604+/-0.041 χ^2/NDF: 327562.9/20

All: -8.546+/-0.029 χ^2/NDF: 593150.6/42

- sign -9.523+/-0.042 χ^2/NDF: 264517.2/21

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.233+/-0.868 χ^2/NDF:15.4/4

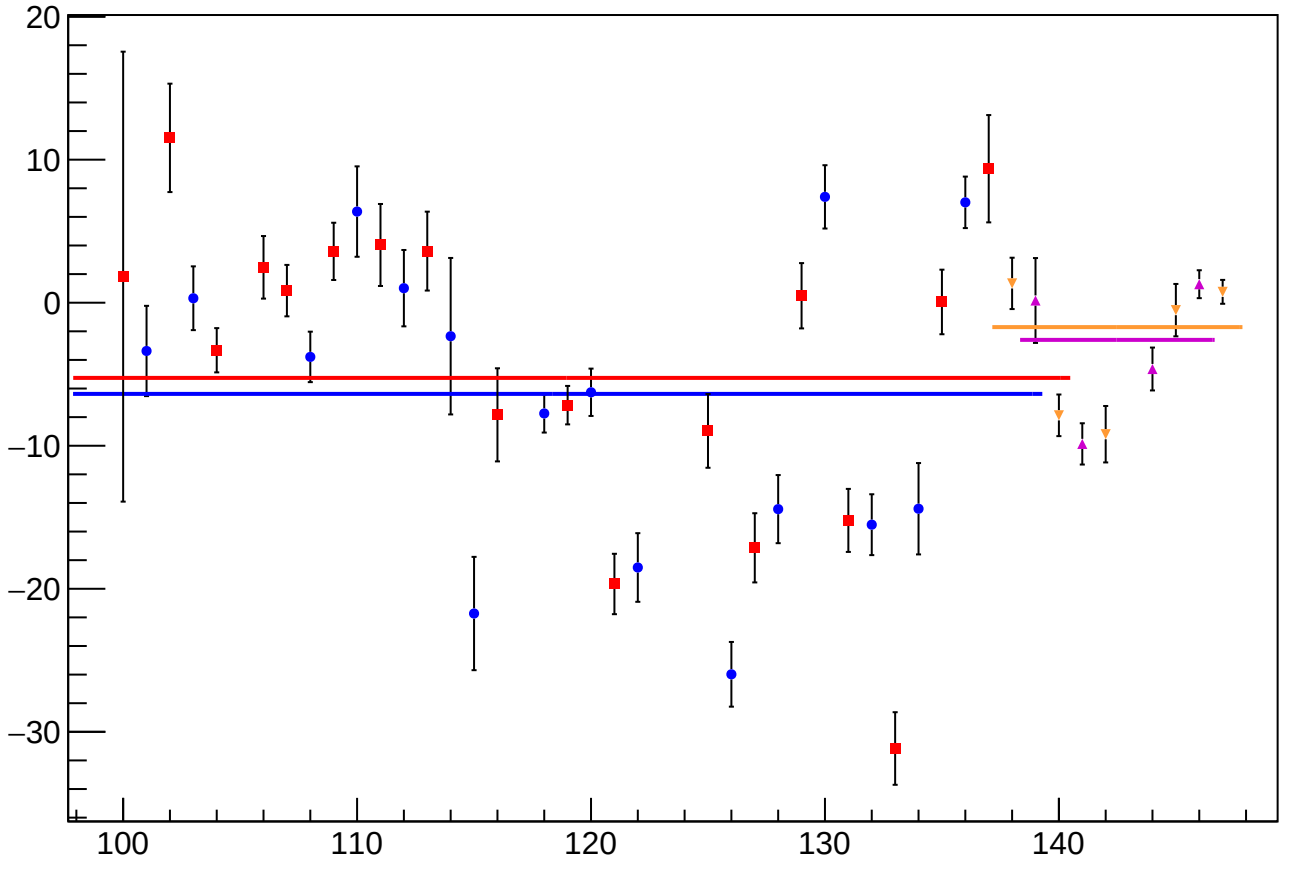
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.398+/-0.912 χ^2/NDF:14.1/3

+ sign -15.366+/-0.463 χ^2/NDF: 7718.1/20

All: -15.573+/-0.322 χ^2/NDF: 14615.6/42

- sign -15.768+/-0.449 χ^2/NDF: 6897.1/21



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.706+/-0.601 χ^2/NDF:44.4/4

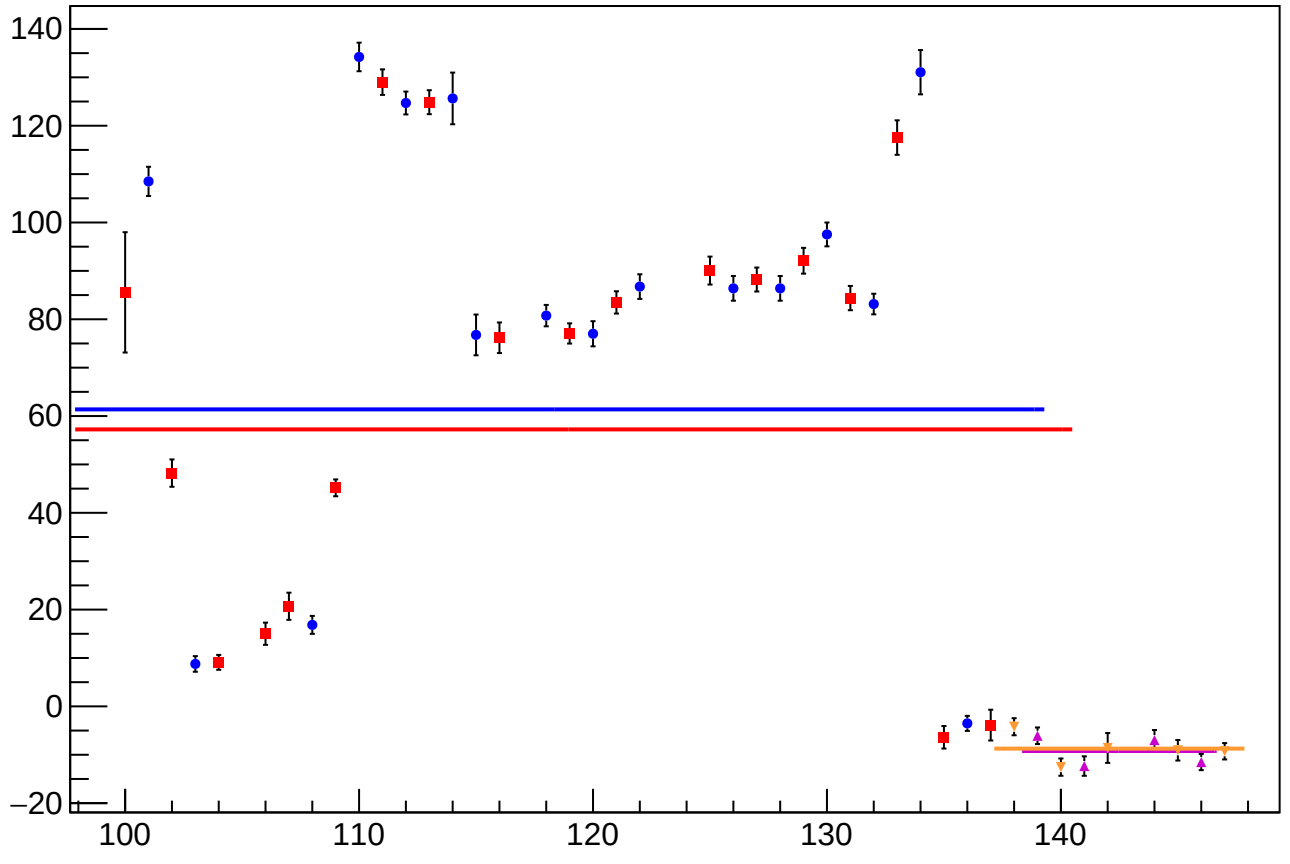
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.599+/-0.692 χ^2/NDF:44.0/3

+ sign -4.231+/-0.407 χ^2/NDF: 360.7/20

All: -4.249+/-0.293 χ^2/NDF: 726.9/42

- sign -4.268+/-0.422 χ^2/NDF: 366.2/21



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.732+/-0.873 χ^2/NDF:11.3/4

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

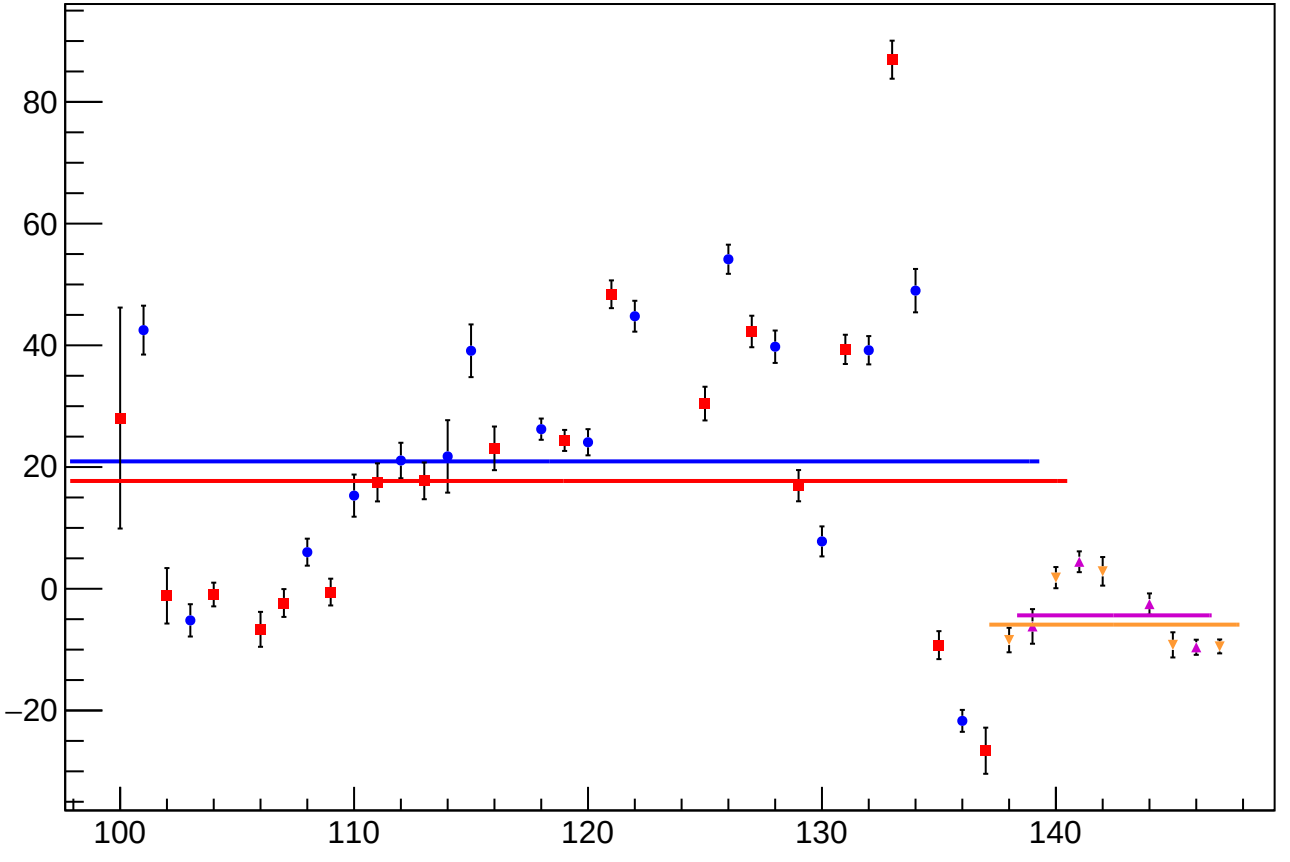
Left In: -9.227+/-0.922 χ^2/NDF:8.8/3

+ sign 39.173+/-0.491 χ^2/NDF: 10485.5/20

All: 38.780+/-0.347 χ^2/NDF: 19485.7/42

- sign 38.387+/-0.491 χ^2/NDF: 8998.9/21

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: -5.894+/-0.755 χ^2/NDF:47.6/4

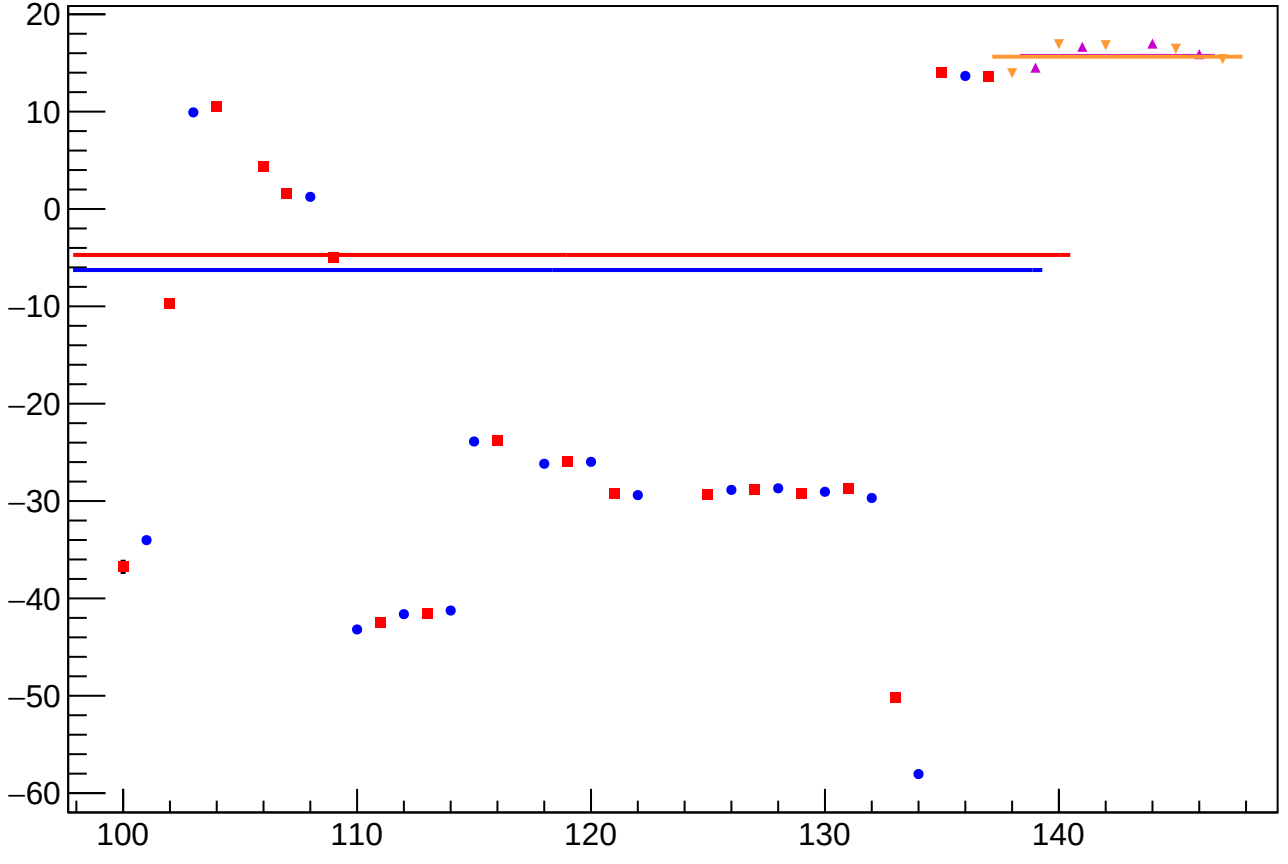
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -4.369+/-0.834 χ^2/NDF:45.8/3

+ sign 9.706+/-0.488 χ^2/NDF: 2027.7/20

All: 9.796+/-0.348 χ^2/NDF: 4007.6/42

- sign 9.888+/-0.497 χ^2/NDF: 1979.8/21



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.641+/-0.036 χ^2/NDF:1057.7/4

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

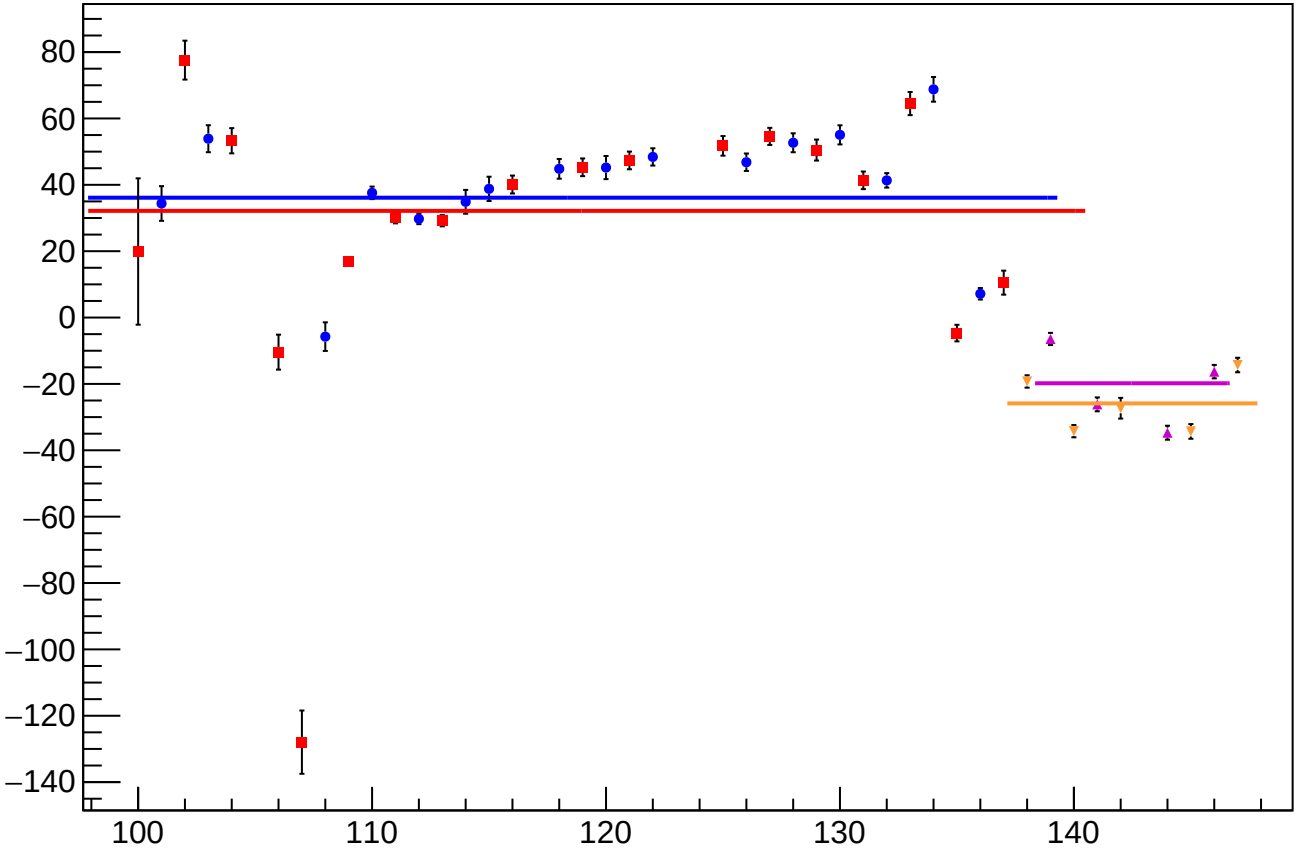
Left In: 15.720+/-0.037 χ^2/NDF:709.8/3

+ sign 3.735+/-0.025 χ^2/NDF: 607873.7/20

All: 4.119+/-0.018 χ^2/NDF: 1082003.5/42

- sign 4.512+/-0.025 χ^2/NDF: 473639.2/21

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: -25.867+/-0.956 χ^2/NDF:75.8/4

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

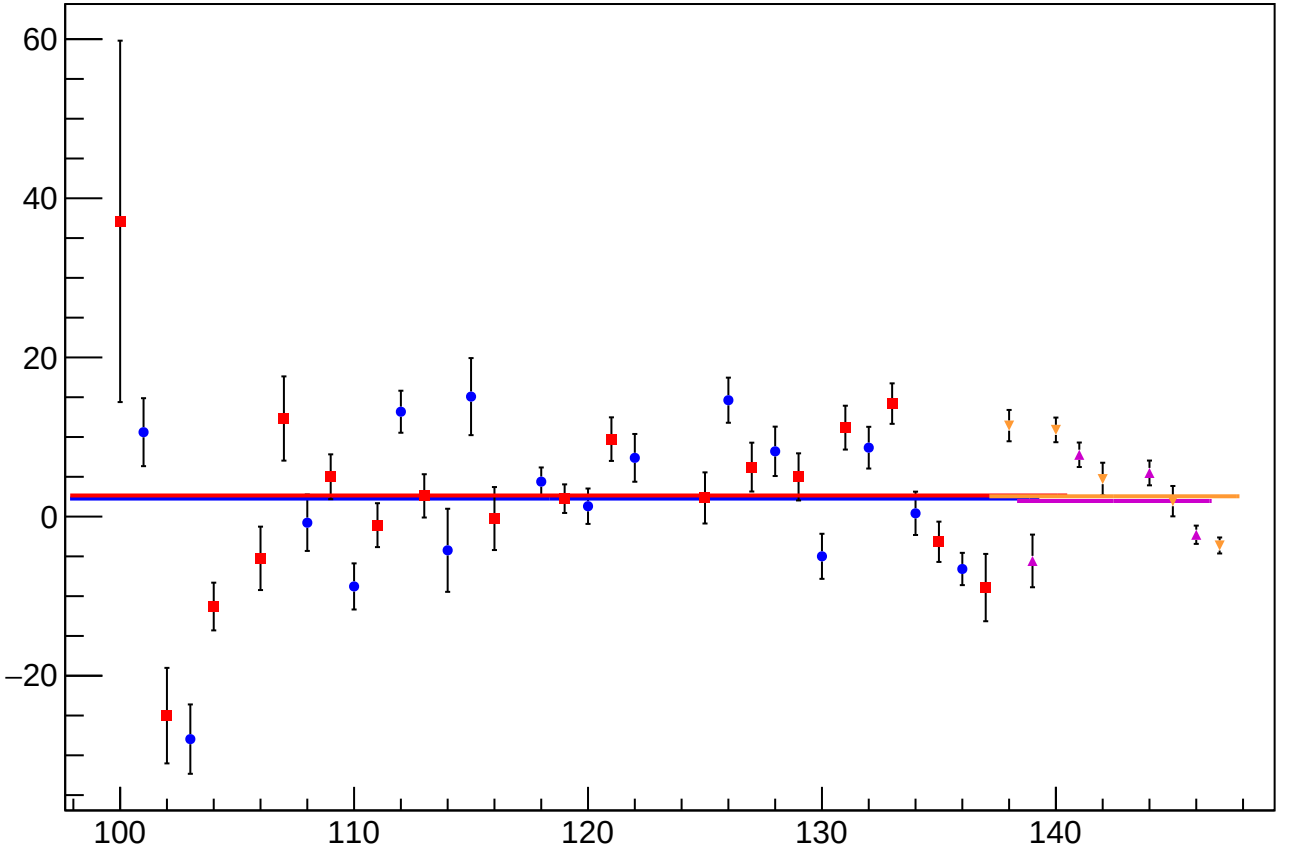
Left In: -19.807+/-1.003 χ^2/NDF:115.3/3

\+ sign 16.245+/-0.541 χ^2/NDF: 3557.4/20

All: 16.849+/-0.380 χ^2/NDF: 6712.0/42

\- sign 17.437+/-0.534 χ^2/NDF: 3152.2/21

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: 2.551+/-0.678 χ^2/NDF:88.4/4

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

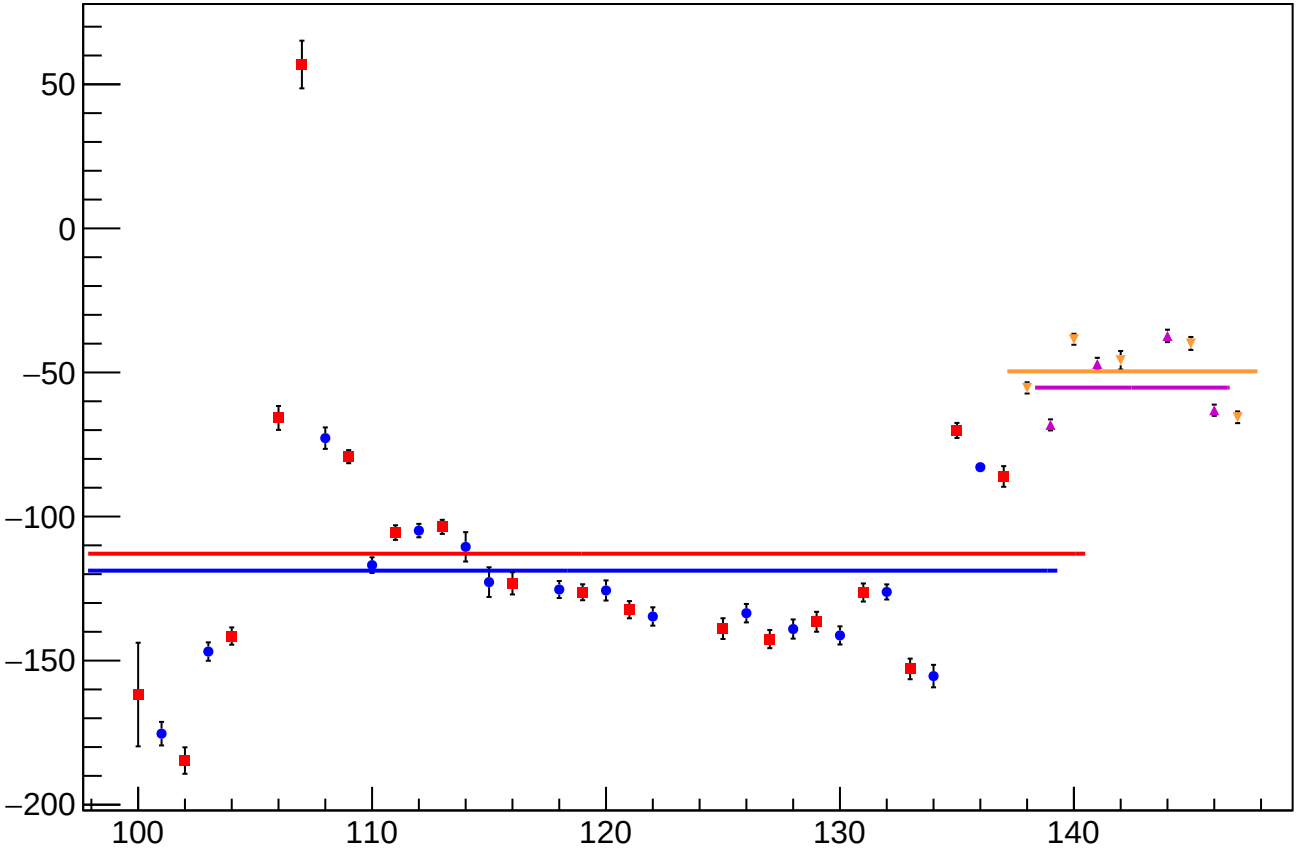
Left In: 1.960+/-0.770 χ^2/NDF:38.2/3

+ sign 2.413+/-0.488 χ^2/NDF: 240.5/20

All: 2.375+/-0.357 χ^2/NDF: 386.3/42

- sign 2.331+/-0.524 χ^2/NDF: 145.9/21

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -49.615+/-0.965 χ^2/NDF:124.1/4

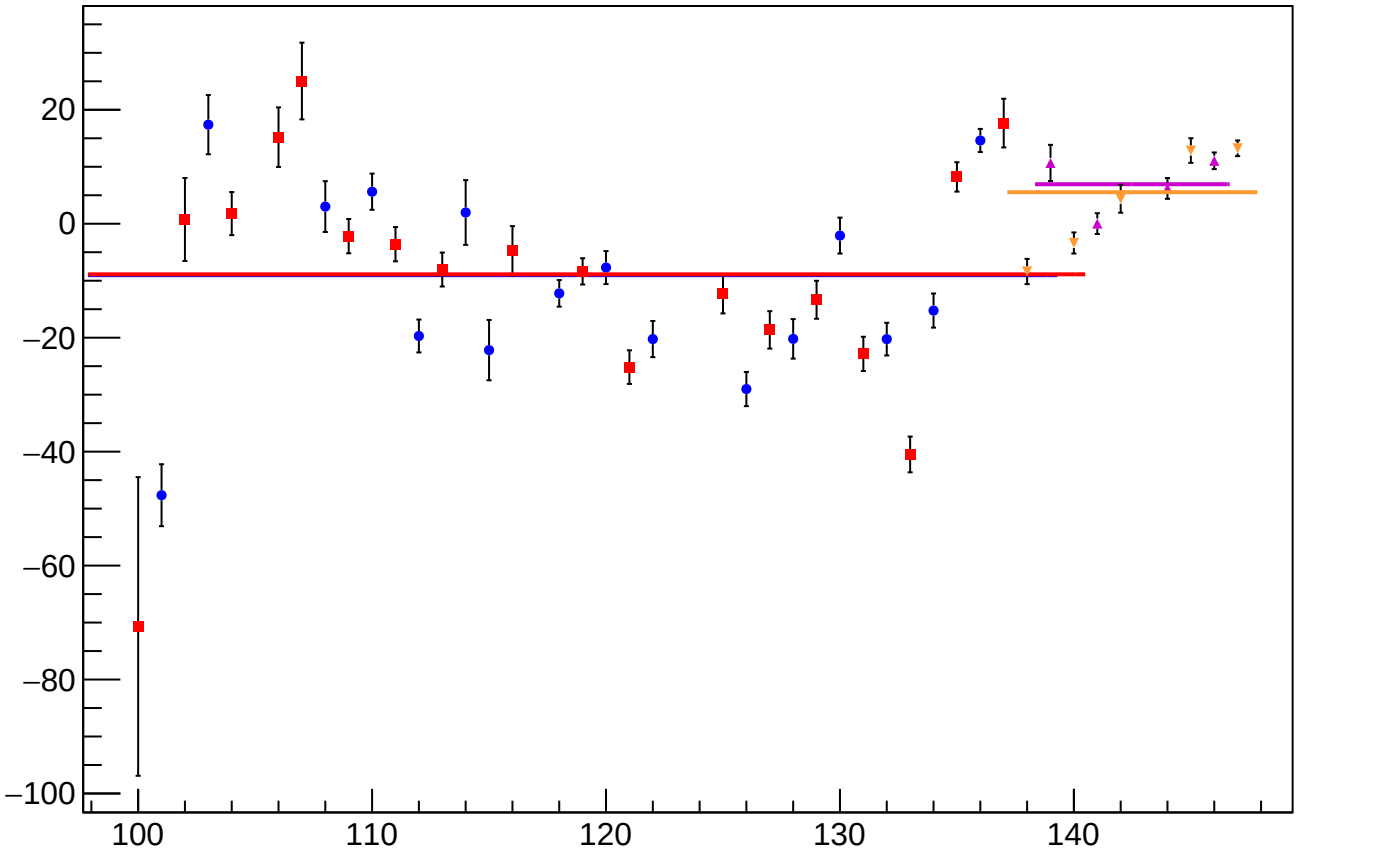
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -55.261+/-1.017 χ^2/NDF:145.3/3

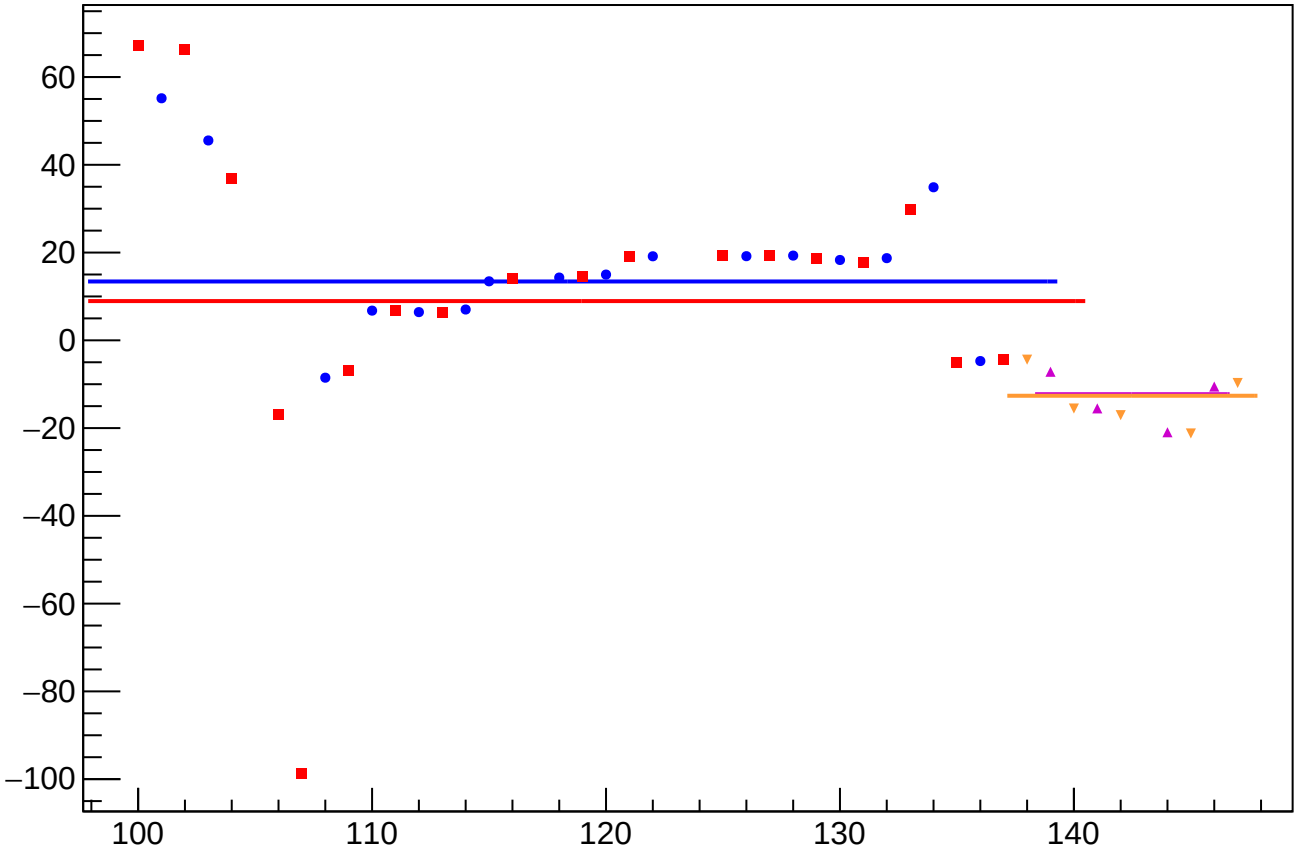
\+ sign -92.441+/-0.596 χ^2/NDF: 4423.7/20

All: -92.328+/-0.426 χ^2/NDF: 8491.3/42

\- sign -92.210+/-0.609 χ^2/NDF: 4067.5/21


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
Right In: -9.022+/-0.796 χ²/NDF: 358.0/15
Left Out: 5.538+/-0.844 χ²/NDF:105.6/4
Right Out: -8.878+/-0.810 χ²/NDF: 318.7/17
Left In: 6.937+/-0.925 χ²/NDF:23.8/3
+ sign -2.175+/-0.579 χ²/NDF: 621.1/20
All: -2.095+/-0.420 χ²/NDF: 1129.1/42
- sign -2.007+/-0.609 χ²/NDF: 508.0/21

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -12.632+/-0.040 χ^2/NDF:24217.9/4

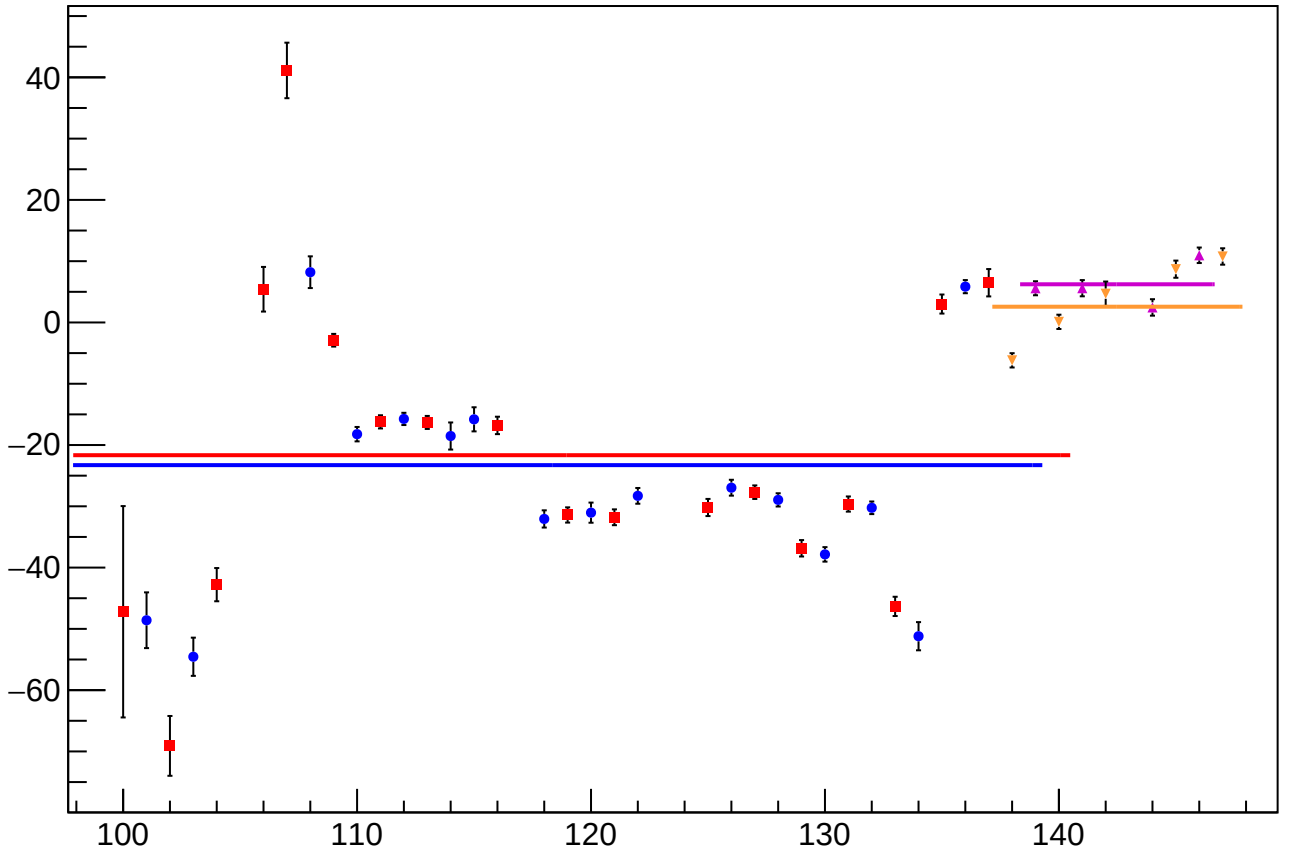
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.275+/-0.041 χ^2/NDF:15425.7/3

+ sign -1.142+/-0.030 χ^2/NDF: 392780.5/20

All: -2.134+/-0.022 χ^2/NDF: 816145.6/42

- sign -3.188+/-0.031 χ^2/NDF: 421121.7/21



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.571+/-0.599 χ^2/NDF:118.5/4

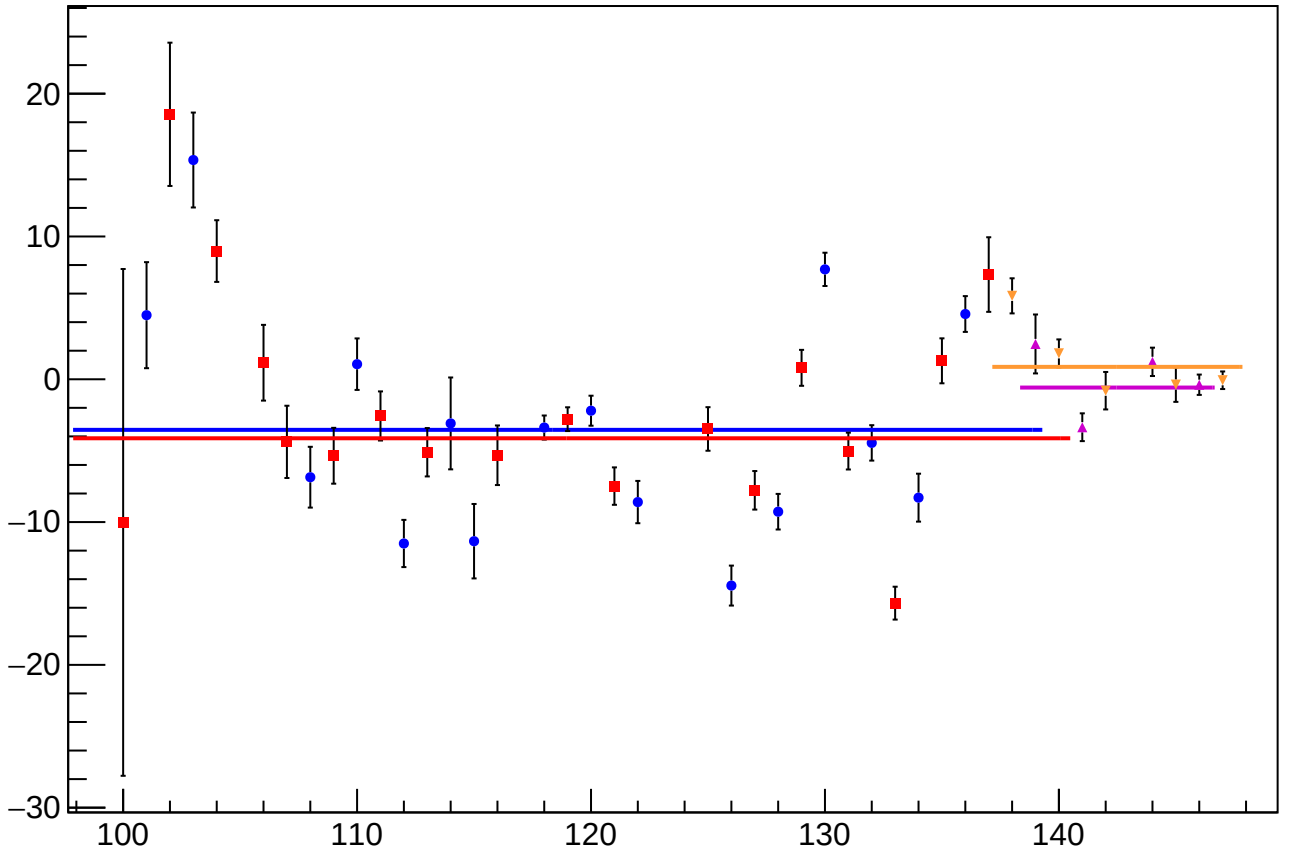
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.231+/-0.631 χ^2/NDF:22.5/3

+ sign -16.683+/-0.302 χ^2/NDF: 3075.7/20

All: -15.929+/-0.214 χ^2/NDF: 6425.5/42

- sign -15.166+/-0.304 χ^2/NDF: 3337.3/21



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.869+/-0.422 χ^2/NDF:22.3/4

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

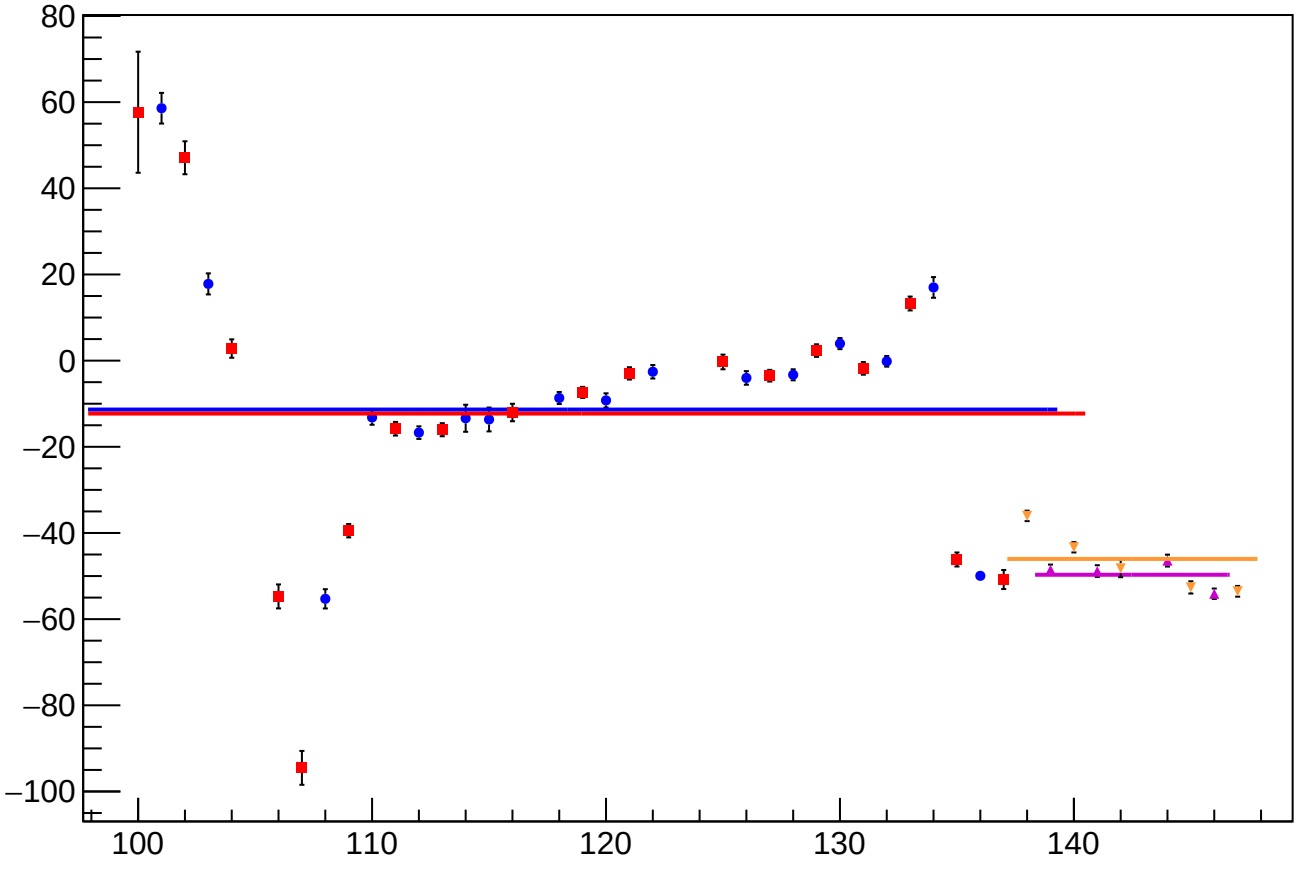
Left In: -0.580+/-0.483 χ^2/NDF:13.7/3

+ sign -1.669+/-0.275 χ^2/NDF: 401.9/20

All: -2.204+/-0.201 χ^2/NDF: 685.1/42

- sign -2.817+/-0.294 χ^2/NDF: 275.2/21

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.024+/-0.604 χ^2/NDF:131.3/4

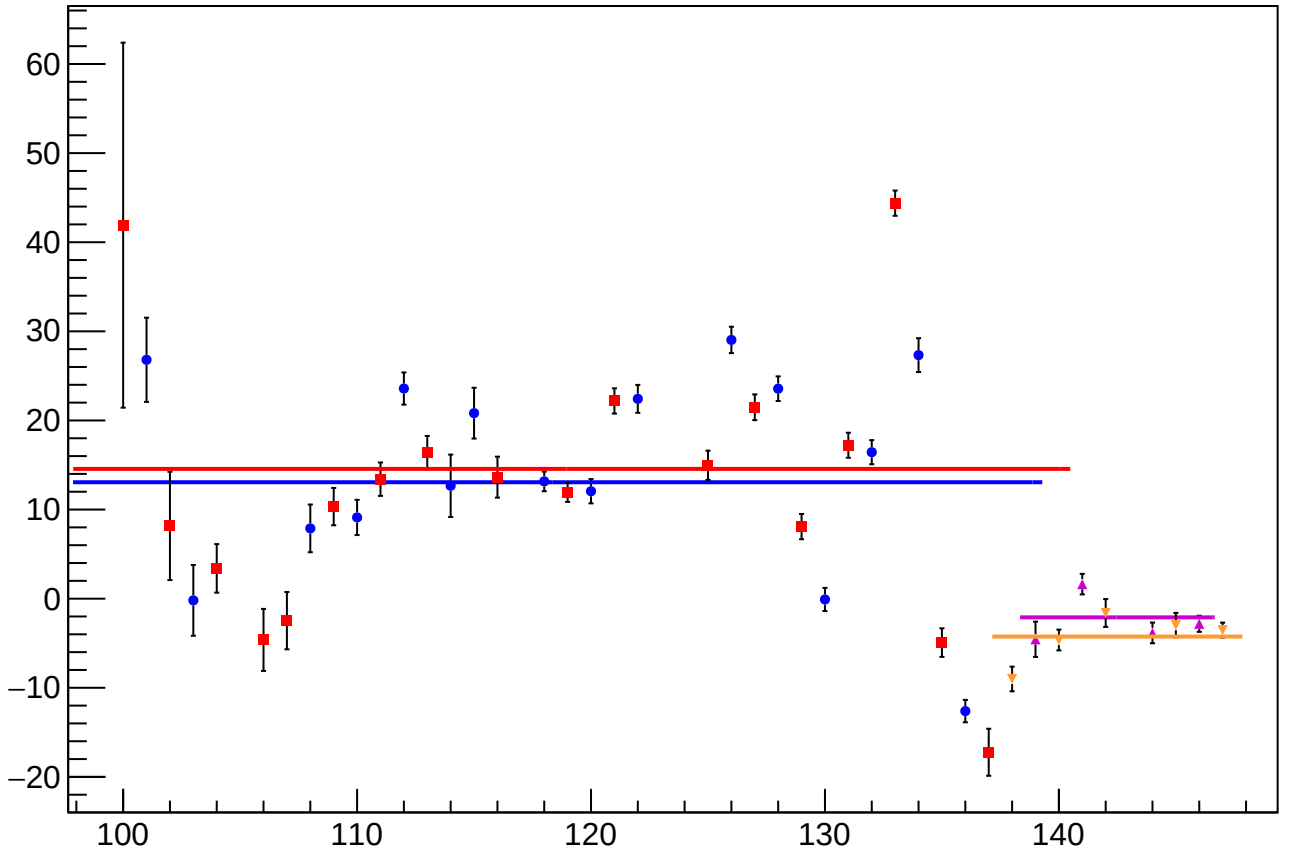
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.698+/-0.639 χ^2/NDF:20.2/3

\+ sign -22.133+/-0.337 χ^2/NDF: 5063.4/20

All: -22.708+/-0.242 χ^2/NDF: 10099.3/42

\- sign -23.317+/-0.347 χ^2/NDF: 5029.9/21



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.251+/-0.527 χ^2/NDF:16.4/4

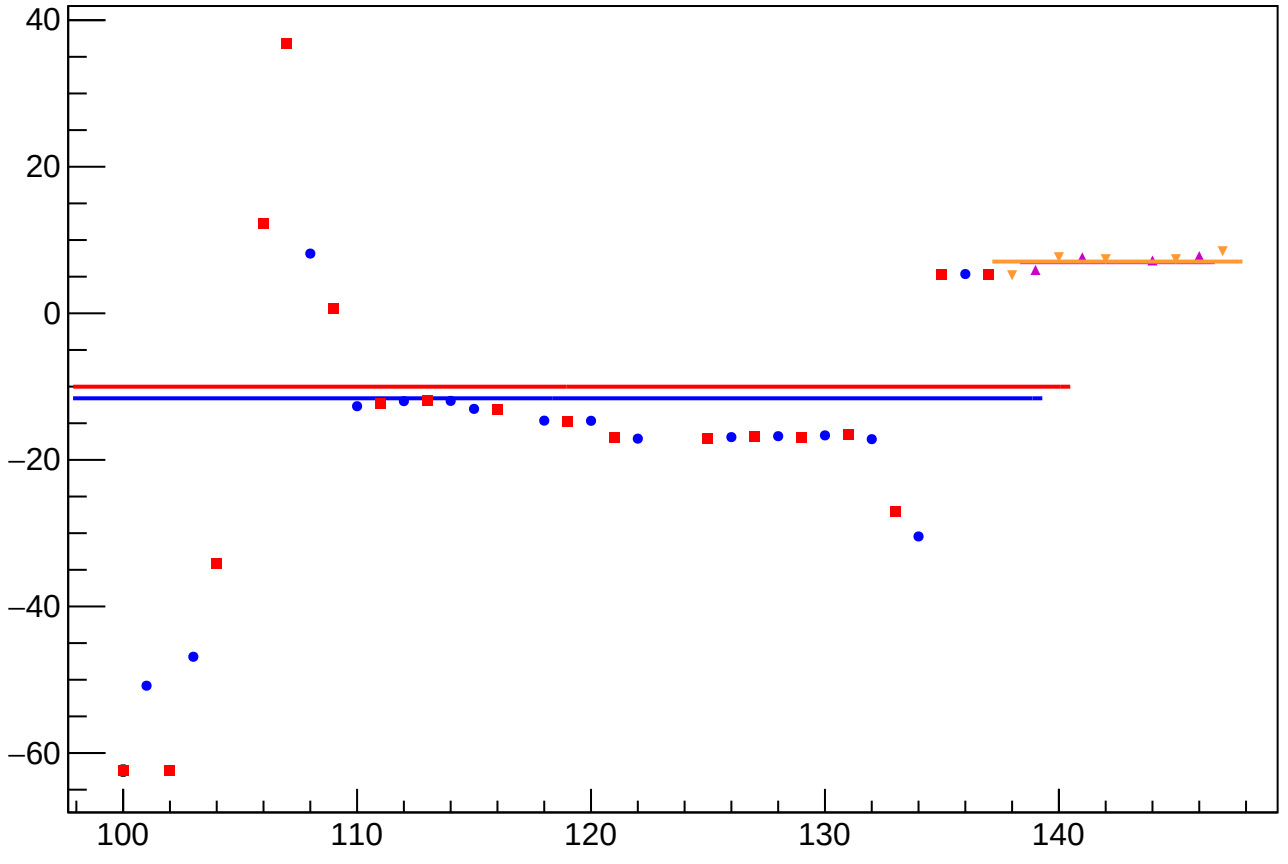
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.097+/-0.581 χ^2/NDF:14.9/3

+ sign 6.441+/-0.326 χ^2/NDF: 1546.9/20

All: 7.563+/-0.236 χ^2/NDF: 3027.9/42

- sign 8.797+/-0.342 χ^2/NDF: 1456.2/21



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.060+/-0.025 χ^2/NDF:2336.5/4

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

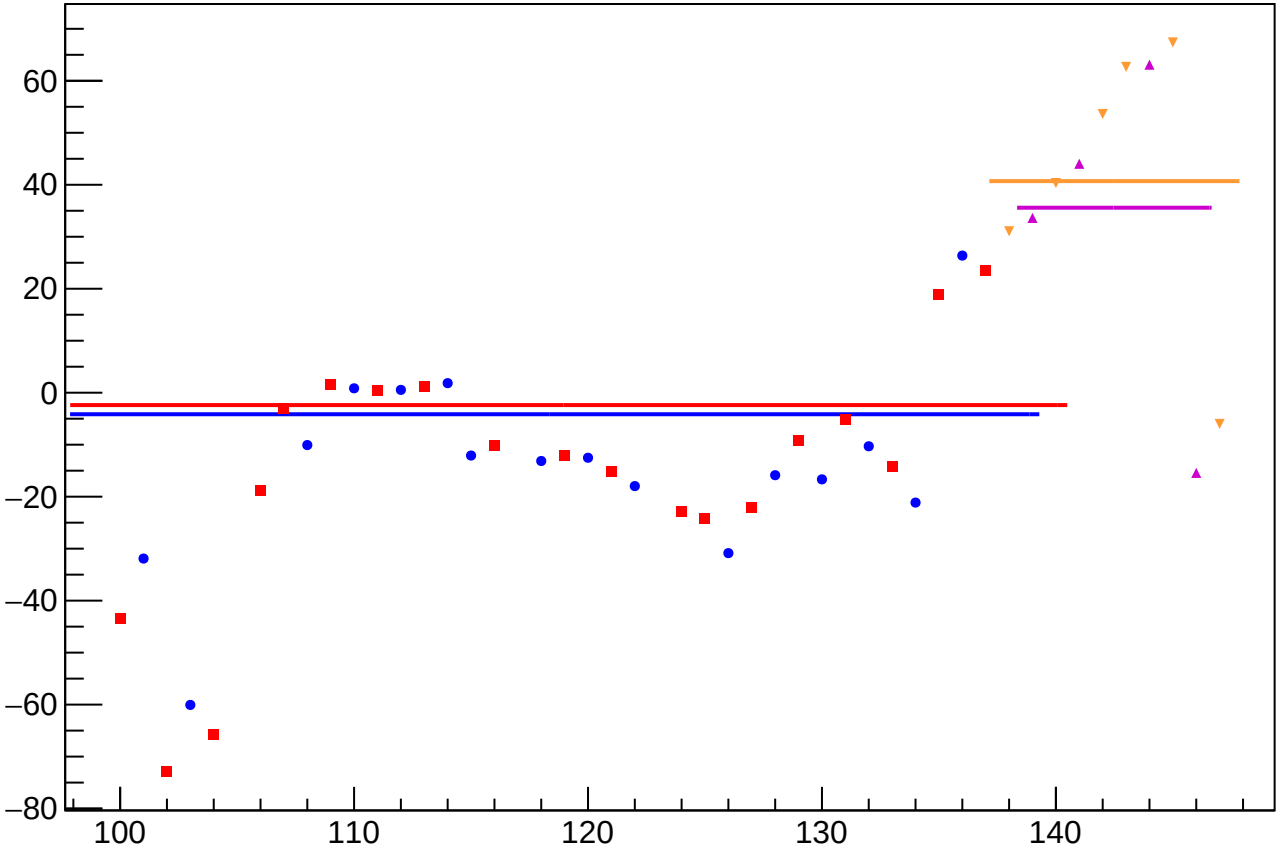
Left In: 6.977+/-0.026 χ^2/NDF:1037.4/3

+ sign -1.865+/-0.018 χ^2/NDF: 625122.5/20

All: -1.433+/-0.013 χ^2/NDF: 1227442.6/42

- sign -0.974+/-0.019 χ^2/NDF: 601160.4/21

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 40.704+/-0.111 χ^2/NDF:32517.6/5

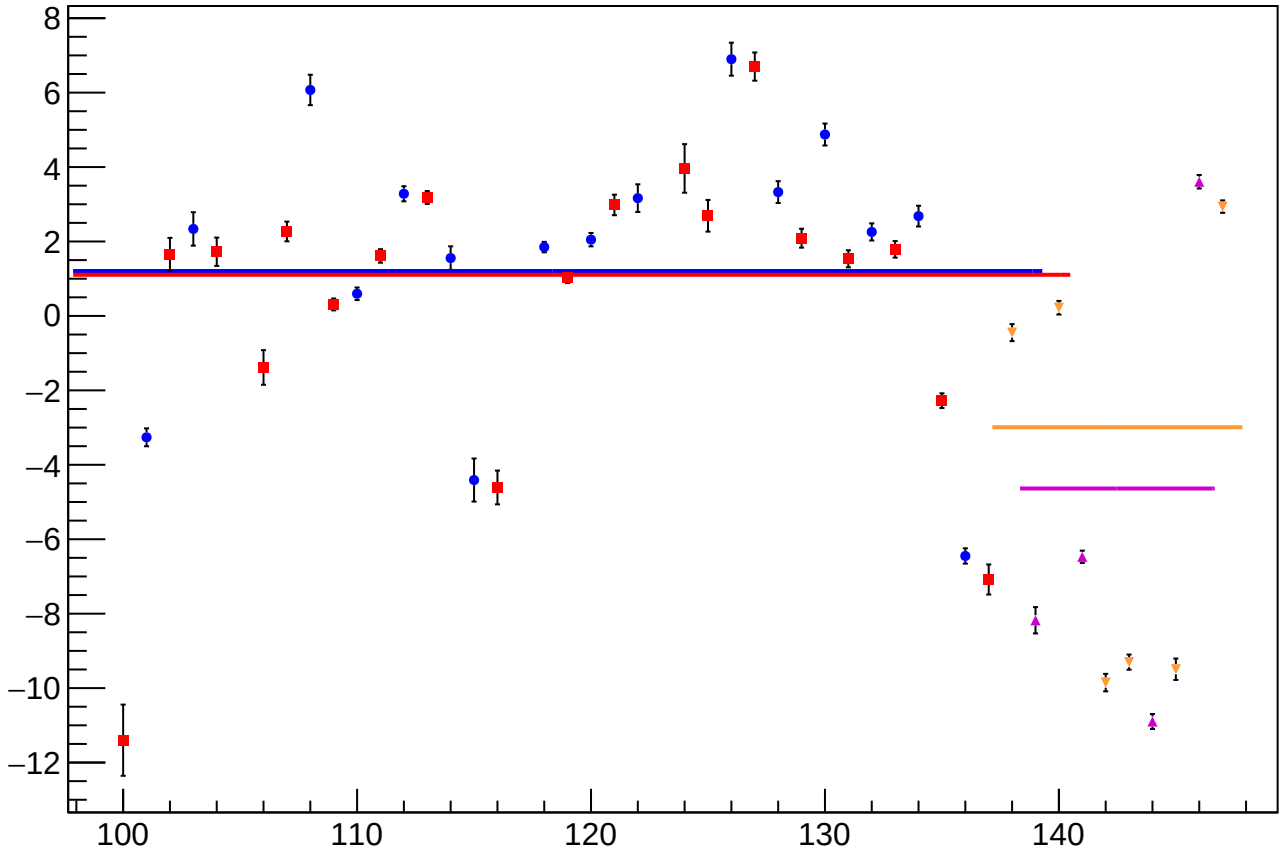
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 35.587+/-0.121 χ^2/NDF:36502.8/3

+ sign 4.658+/-0.049 χ^2/NDF: 239835.8/21

All: 3.415+/-0.032 χ^2/NDF: 444490.8/44

- sign 2.454+/-0.043 χ^2/NDF: 203514.0/22



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.991+/-0.085 χ^2/NDF:4008.9/5

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

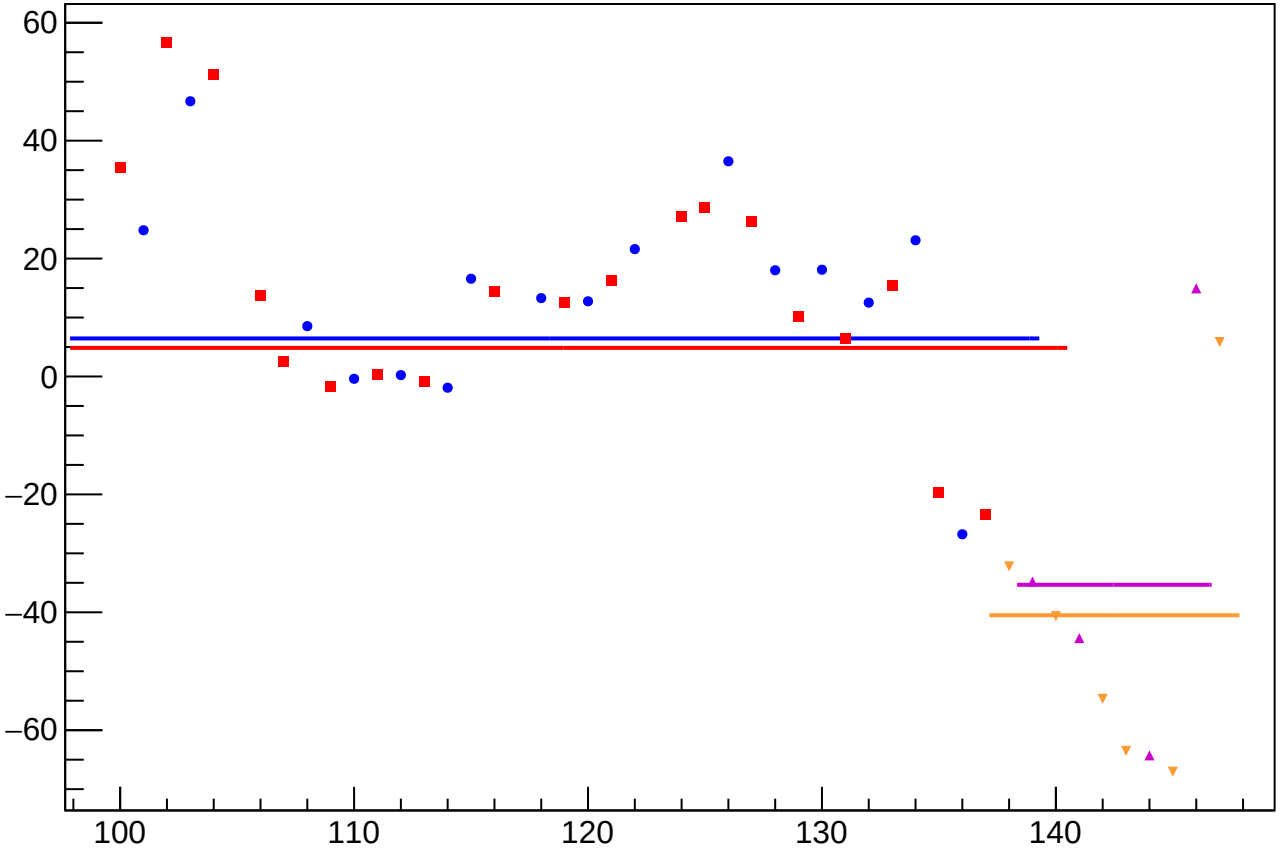
Left In: -4.637+/-0.100 χ^2/NDF:3251.8/3

+ sign -0.206+/-0.049 χ^2/NDF: 8215.7/21

All: -0.255+/-0.035 χ^2/NDF: 15530.5/44

- sign -0.305+/-0.050 χ^2/NDF: 7312.9/22

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -40.497+/-0.113 χ^2/NDF:34031.7/5

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

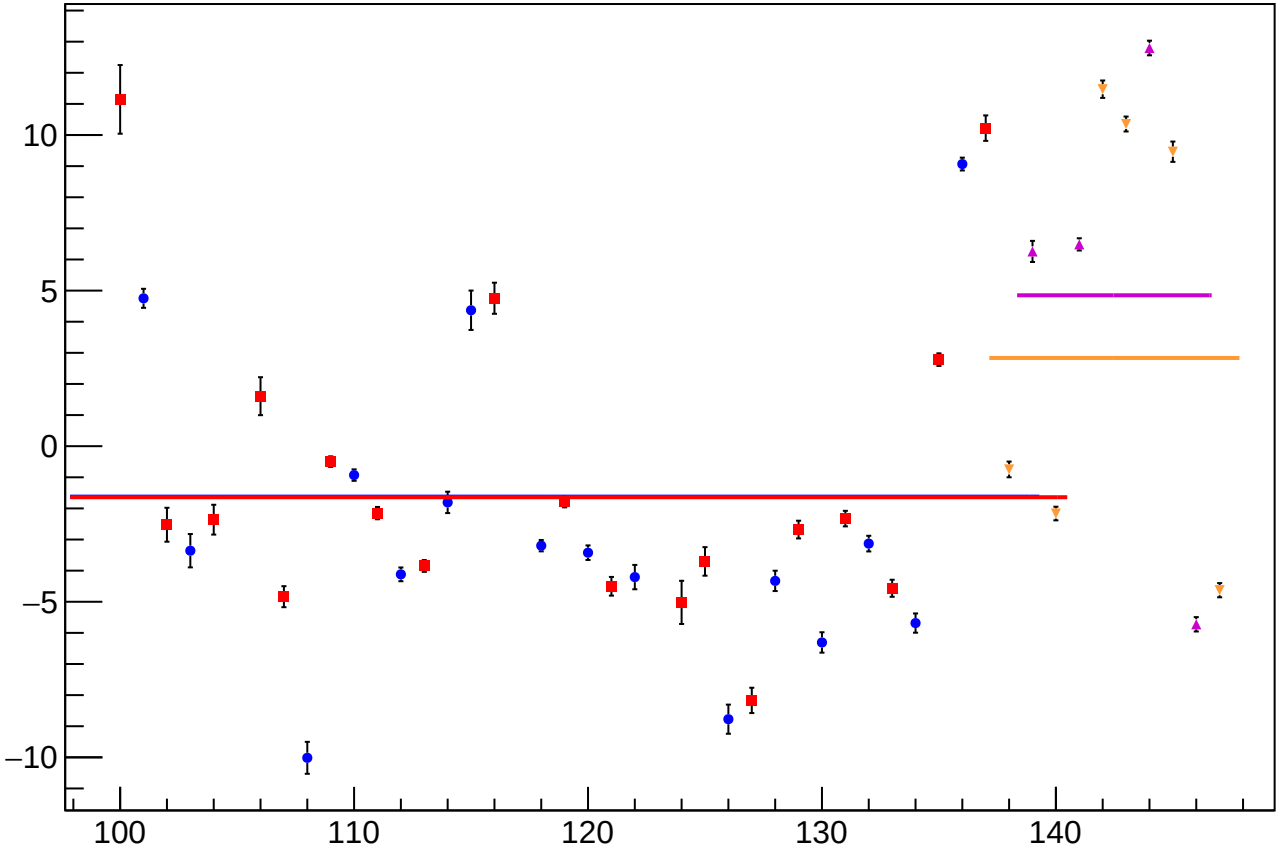
Left In: -35.335+/-0.123 χ^2/NDF:38524.7/3

+ sign -5.251+/-0.057 χ^2/NDF: 233922.2/21

All: -3.879+/-0.039 χ^2/NDF: 435087.0/44

- sign -2.657+/-0.053 χ^2/NDF: 200049.9/22

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 2.835+/-0.102 χ^2/NDF:4138.1/5

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

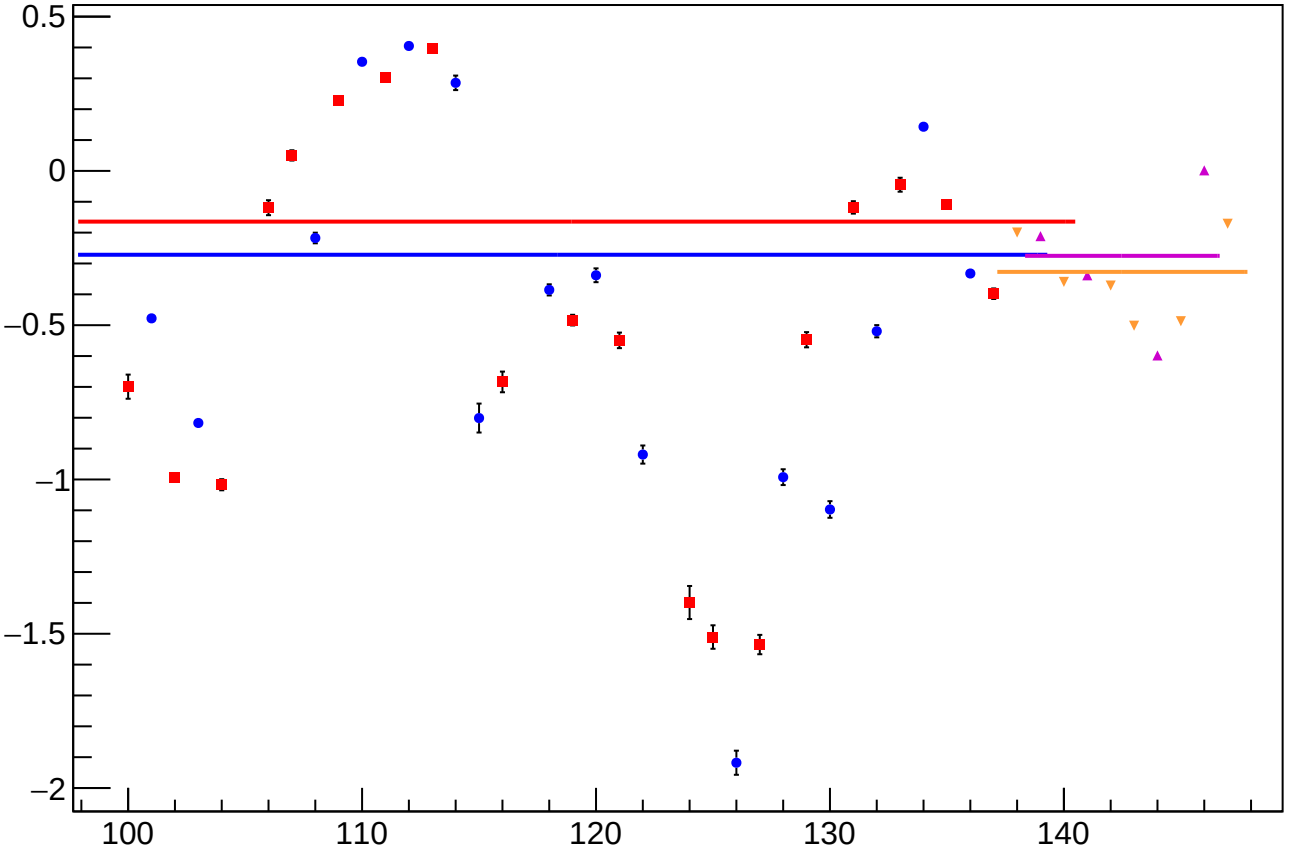
Left In: 4.850+/-0.118 χ^2/NDF:3319.4/3

+ sign -0.215+/-0.058 χ^2/NDF: 9957.9/21

All: -0.183+/-0.040 χ^2/NDF: 18056.6/44

- sign -0.152+/-0.057 χ^2/NDF: 8098.2/22

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.327+/-0.005 χ^2/NDF:722.8/5

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

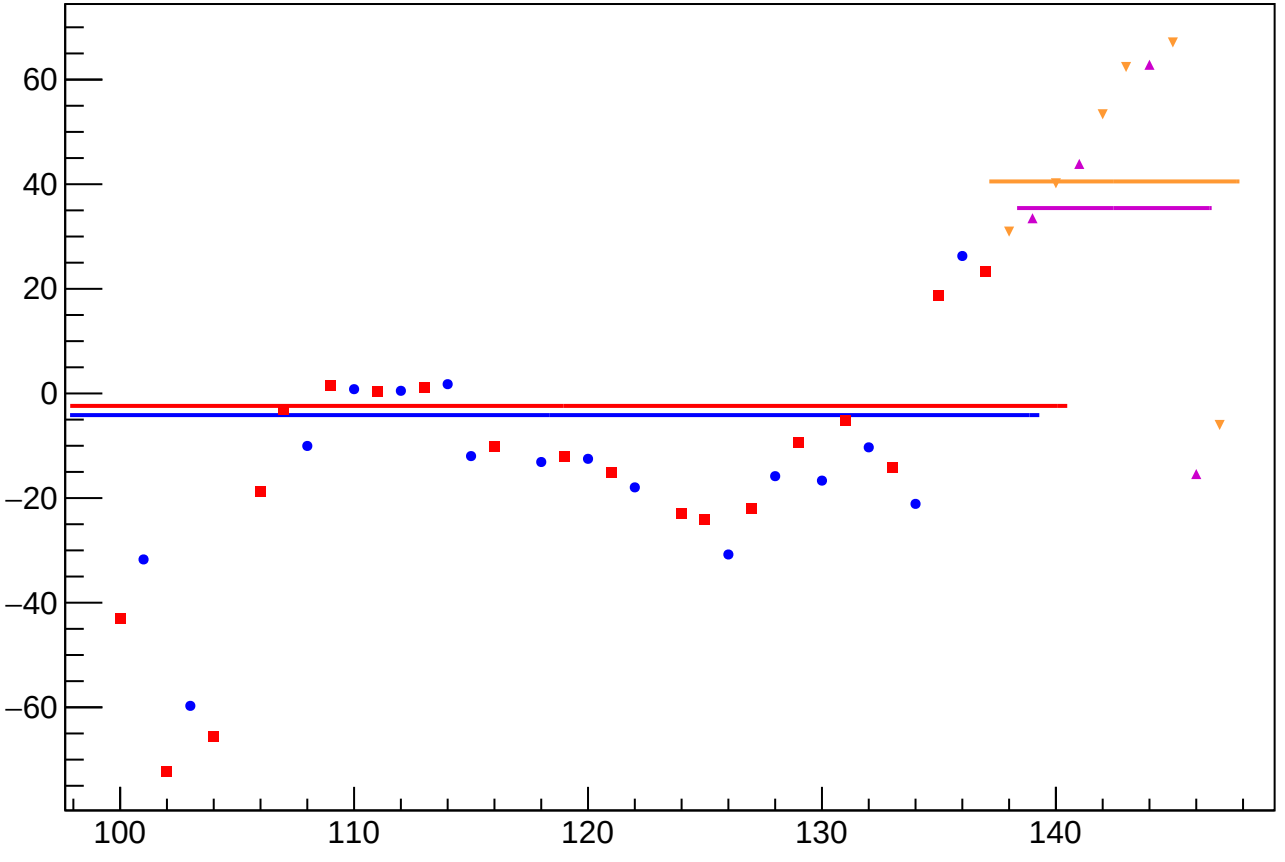
Left In: -0.275+/-0.005 χ^2/NDF:1212.6/3

+ sign -0.296+/-0.003 χ^2/NDF: 12850.5/21

All: -0.250+/-0.002 χ^2/NDF: 30321.4/44

- sign -0.206+/-0.003 χ^2/NDF: 17031.9/22

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 40.531+/-0.110 χ^2/NDF:32492.2/5

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

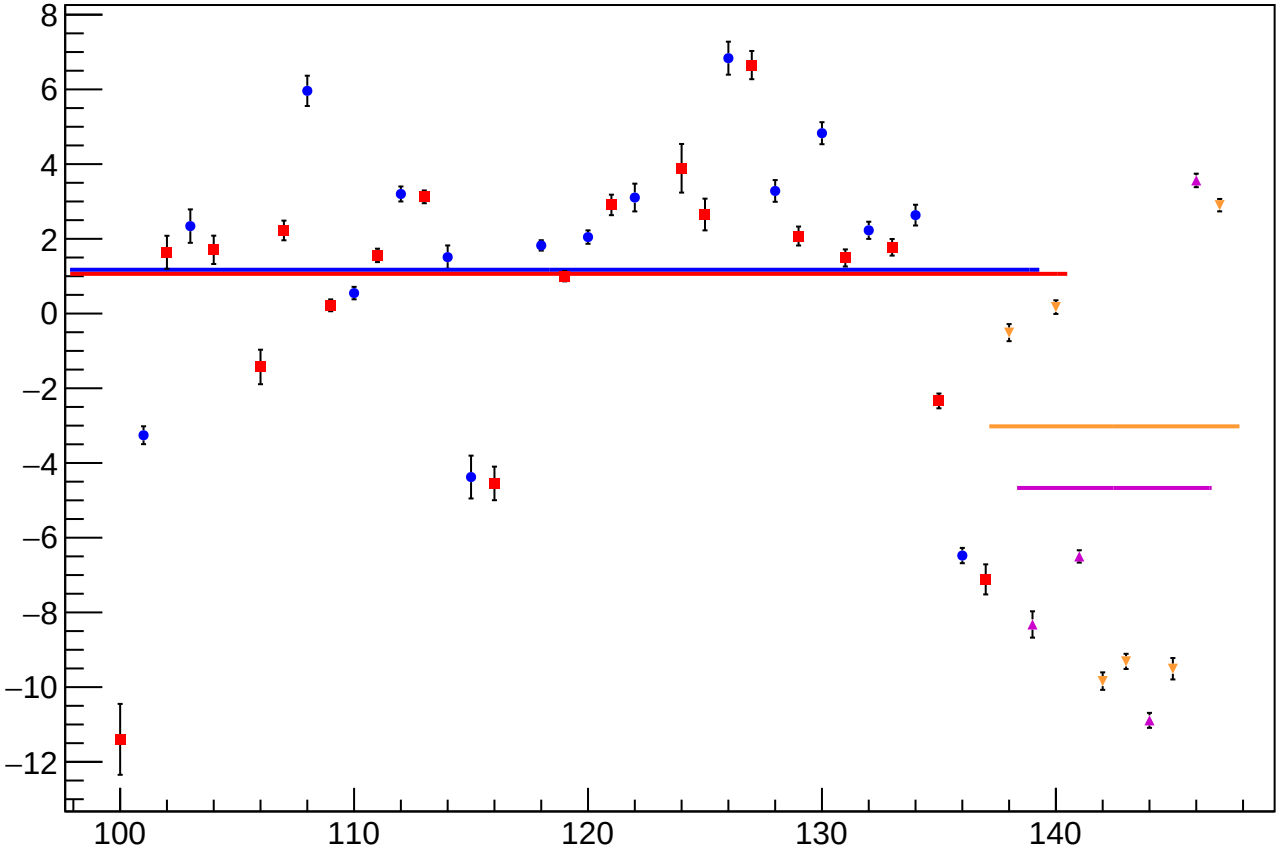
Left In: 35.441+/-0.120 χ^2/NDF:36497.4/3

+ sign 4.589+/-0.049 χ^2/NDF: 239743.7/21

All: 3.359+/-0.032 χ^2/NDF: 444233.5/44

- sign 2.409+/-0.043 χ^2/NDF: 203361.6/22

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -3.019+/-0.085 χ^2/NDF:4008.2/5

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

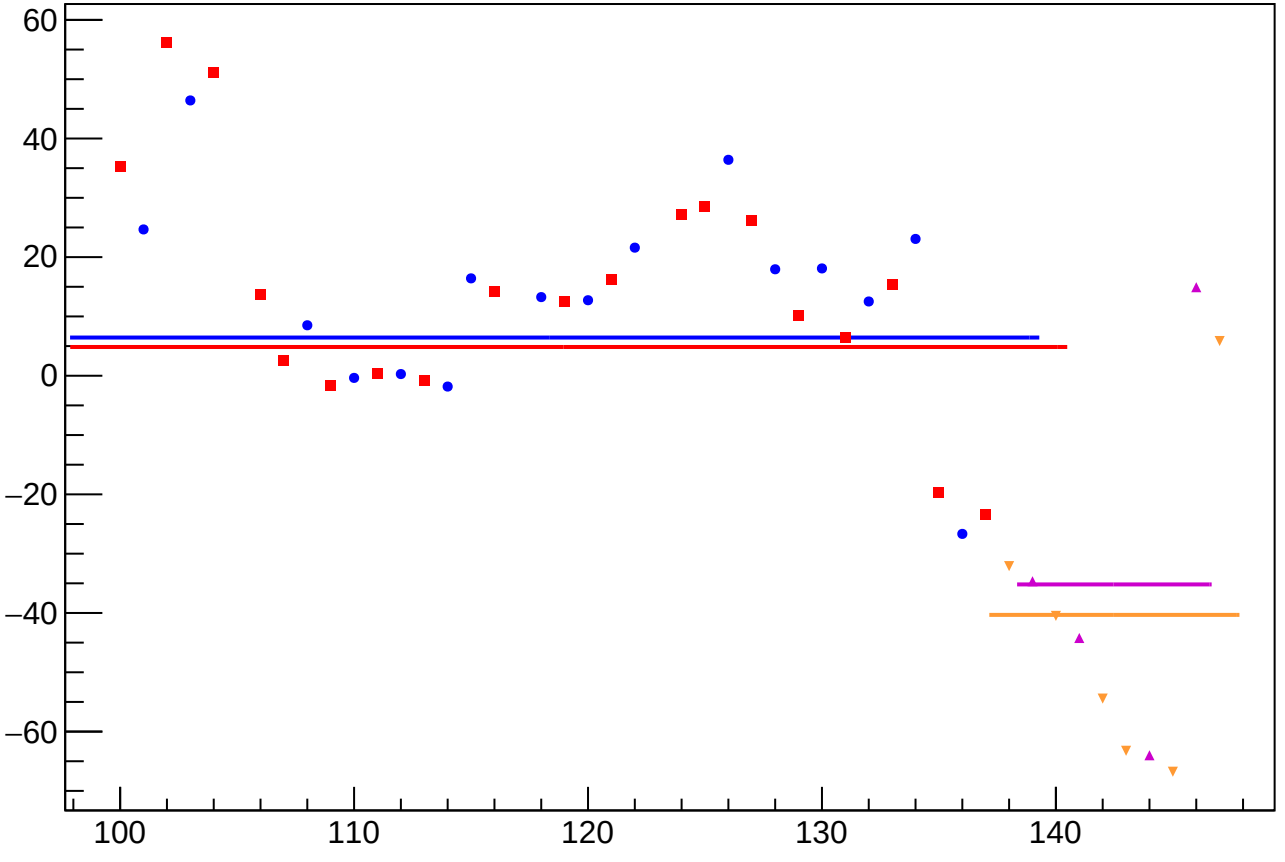
Left In: -4.668+/-0.100 χ^2/NDF:3262.8/3

+ sign -0.234+/-0.049 χ^2/NDF: 8224.1/21

All: -0.287+/-0.035 χ^2/NDF: 15567.6/44

- sign -0.341+/-0.049 χ^2/NDF: 7341.1/22

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -40.323+/-0.113 χ^2/NDF:34007.4/5

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

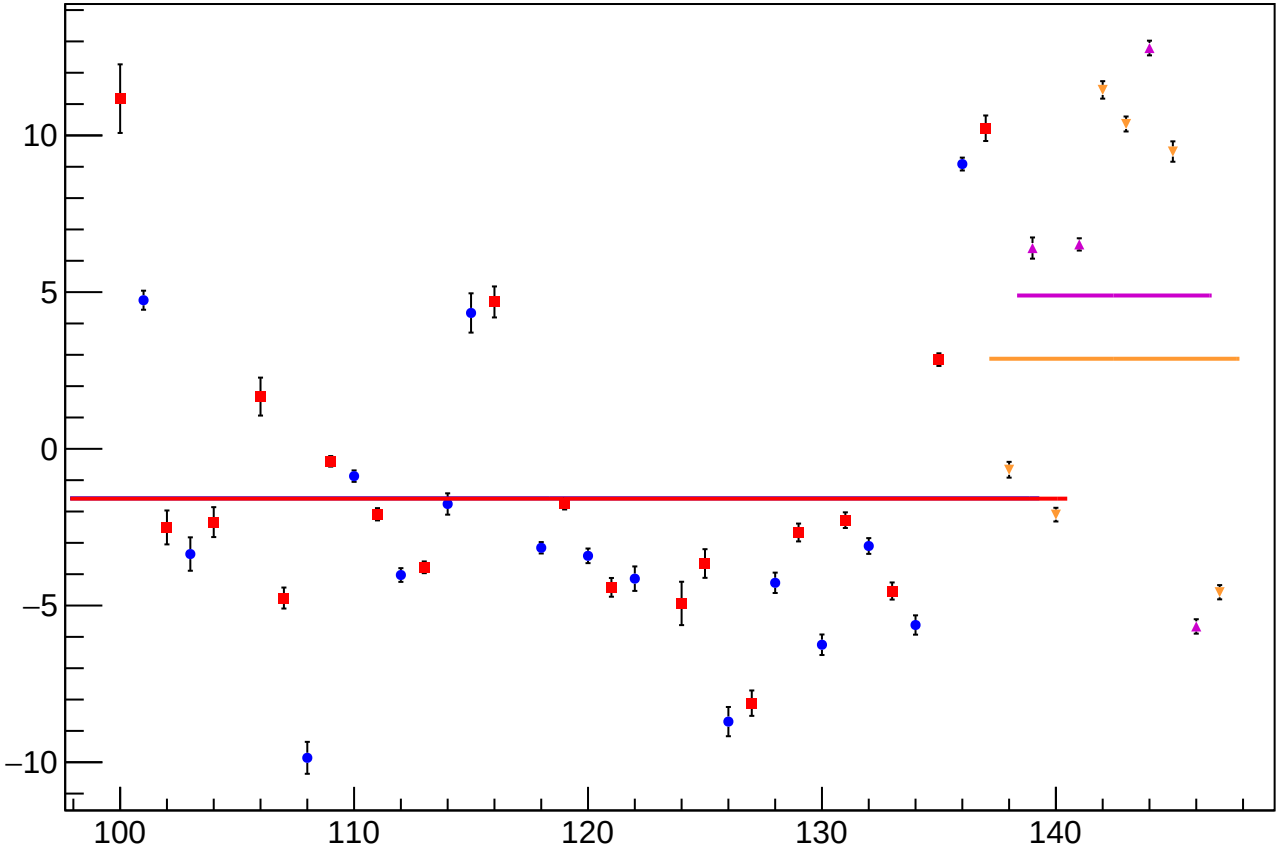
Left In: -35.186+/-0.123 χ^2/NDF:38517.9/3

+ sign -5.177+/-0.056 χ^2/NDF: 233826.7/21

All: -3.816+/-0.039 χ^2/NDF: 434829.6/44

- sign -2.603+/-0.053 χ^2/NDF: 199894.8/22

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 2.874+/-0.102 χ^2/NDF:4130.7/5

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

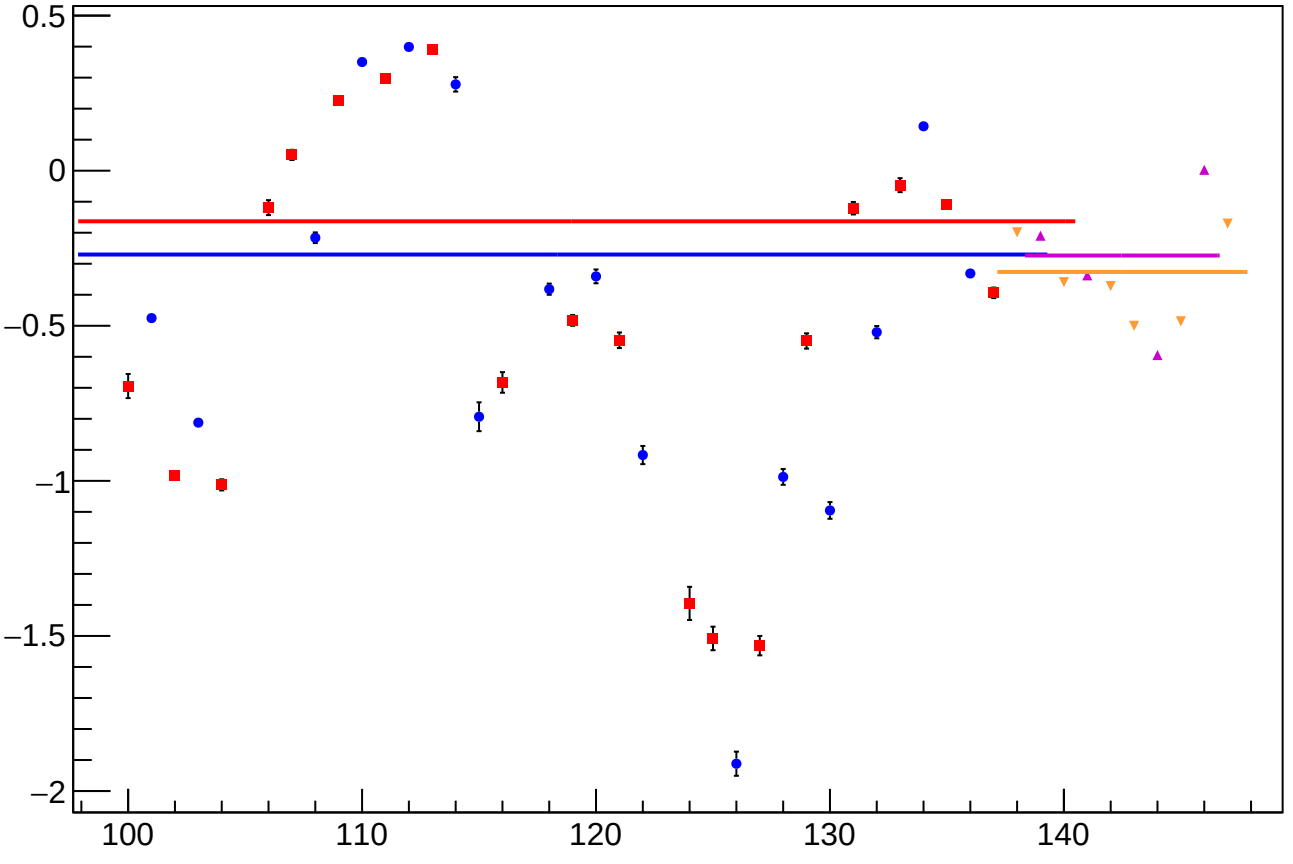
Left In: 4.892+/-0.118 χ^2/NDF:3323.9/3

+ sign -0.178+/-0.057 χ^2/NDF: 9958.2/21

All: -0.142+/-0.040 χ^2/NDF: 18082.5/44

- sign -0.107+/-0.056 χ^2/NDF: 8123.5/22

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.326+/-0.005 χ^2/NDF:726.3/5

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

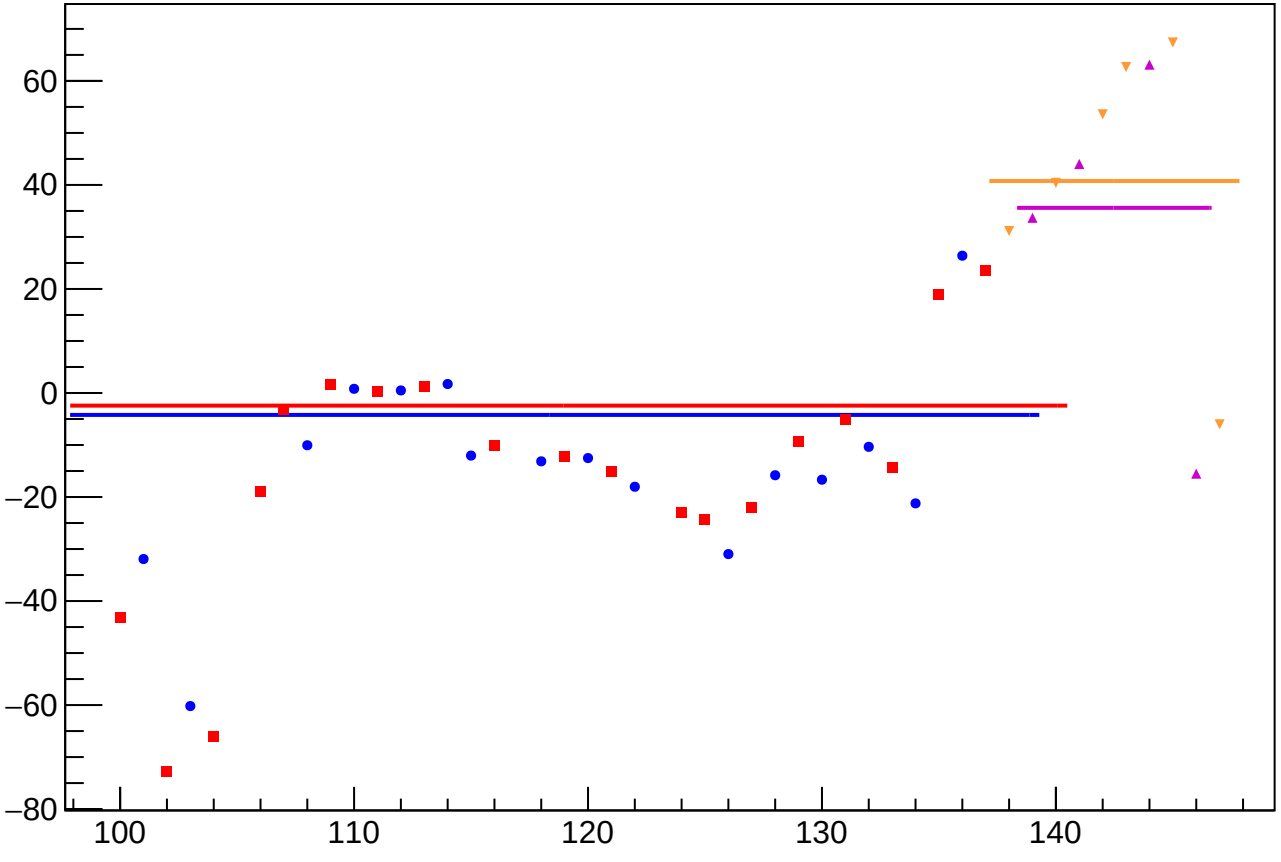
Left In: -0.273+/-0.005 χ^2/NDF:1212.0/3

+ sign -0.295+/-0.003 χ^2/NDF: 12844.6/21

All: -0.249+/-0.002 χ^2/NDF: 30333.5/44

- sign -0.205+/-0.003 χ^2/NDF: 17043.3/22

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 40.756+/-0.111 χ^2/NDF:32427.4/5

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

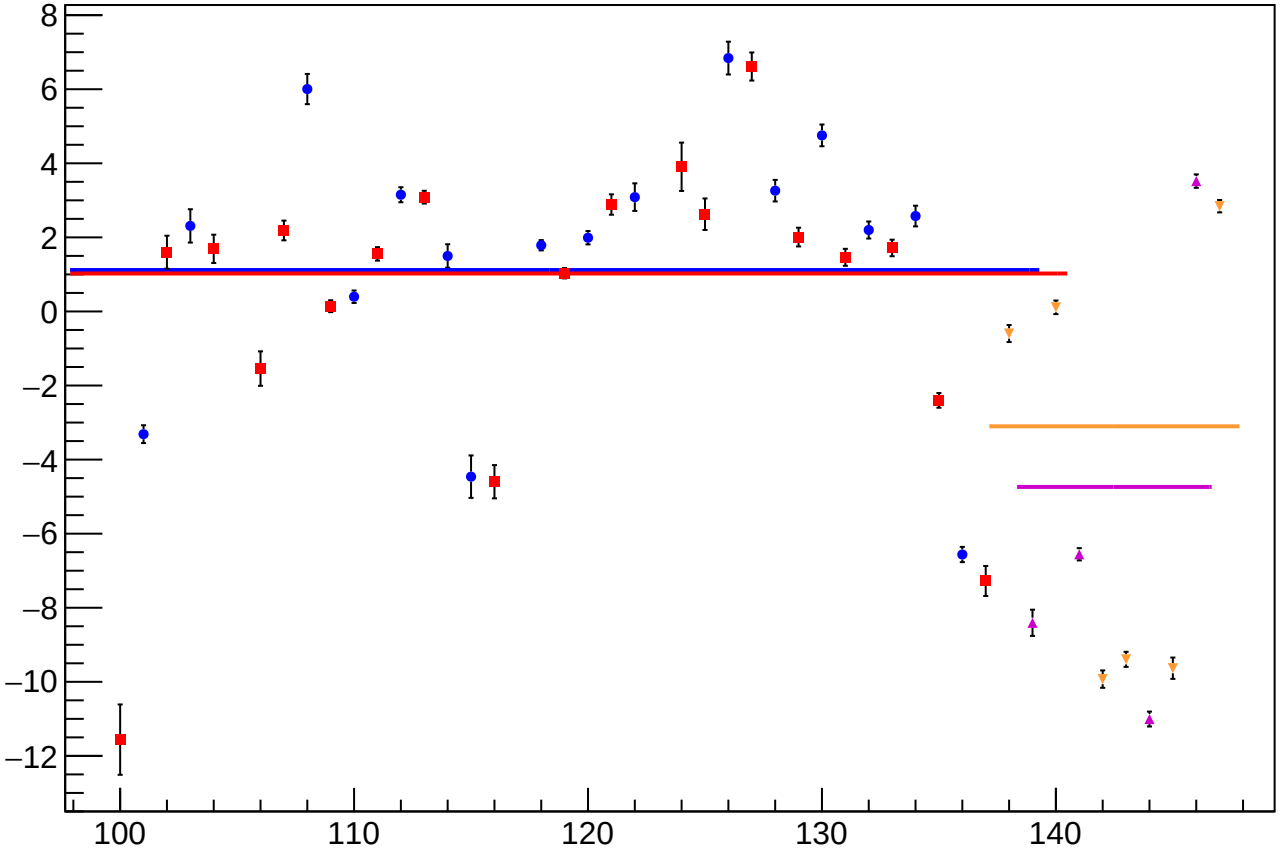
Left In: 35.598+/-0.121 χ^2/NDF:36527.8/3

+ sign 4.602+/-0.049 χ^2/NDF: 240105.5/21

All: 3.368+/-0.032 χ^2/NDF: 444787.7/44

- sign 2.413+/-0.043 χ^2/NDF: 203559.1/22

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -3.101+/-0.085 χ^2/NDF:3996.7/5

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

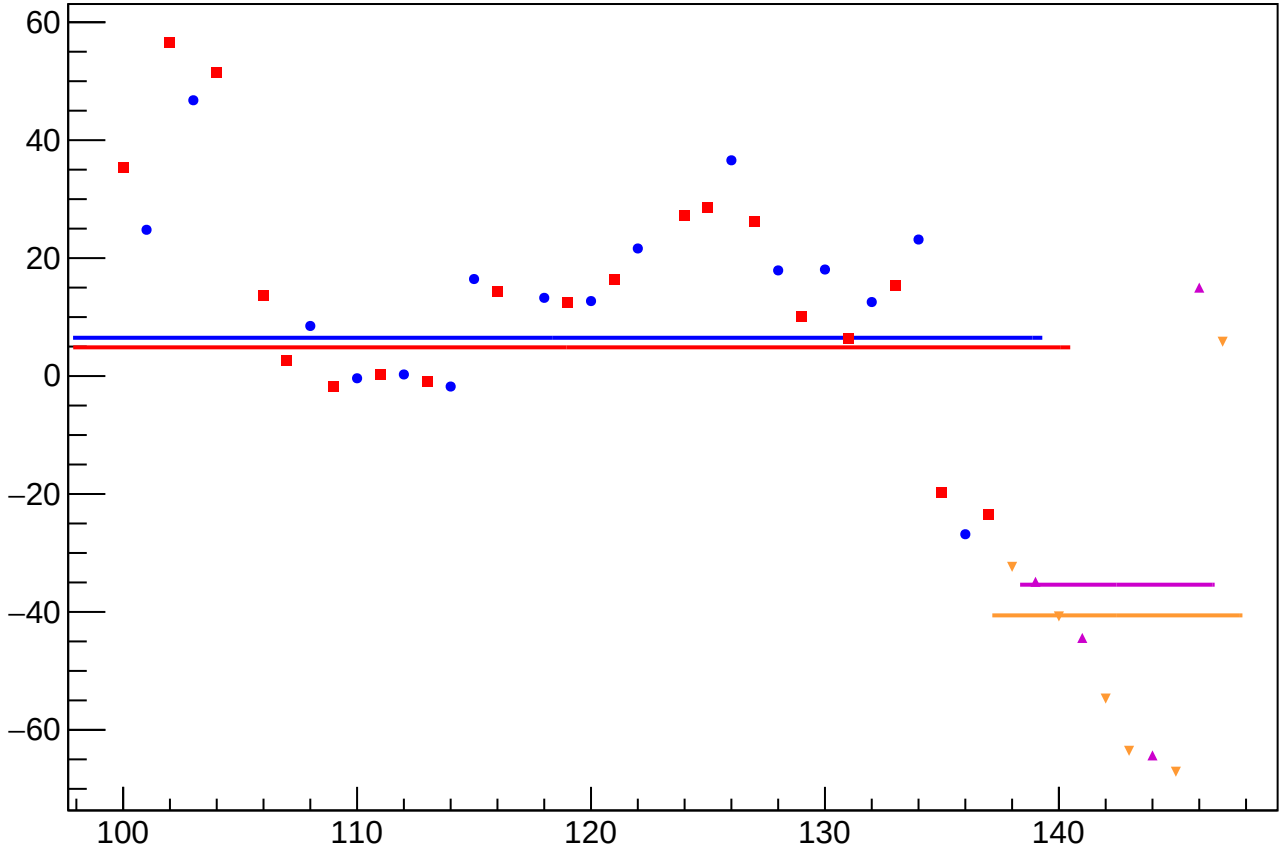
Left In: -4.738+/-0.100 χ^2/NDF:3259.6/3

+ sign -0.299+/-0.049 χ^2/NDF: 8226.2/21

All: -0.343+/-0.035 χ^2/NDF: 15585.9/44

- sign -0.389+/-0.050 χ^2/NDF: 7358.0/22

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -40.583+/-0.113 χ^2/NDF:33956.5/5

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

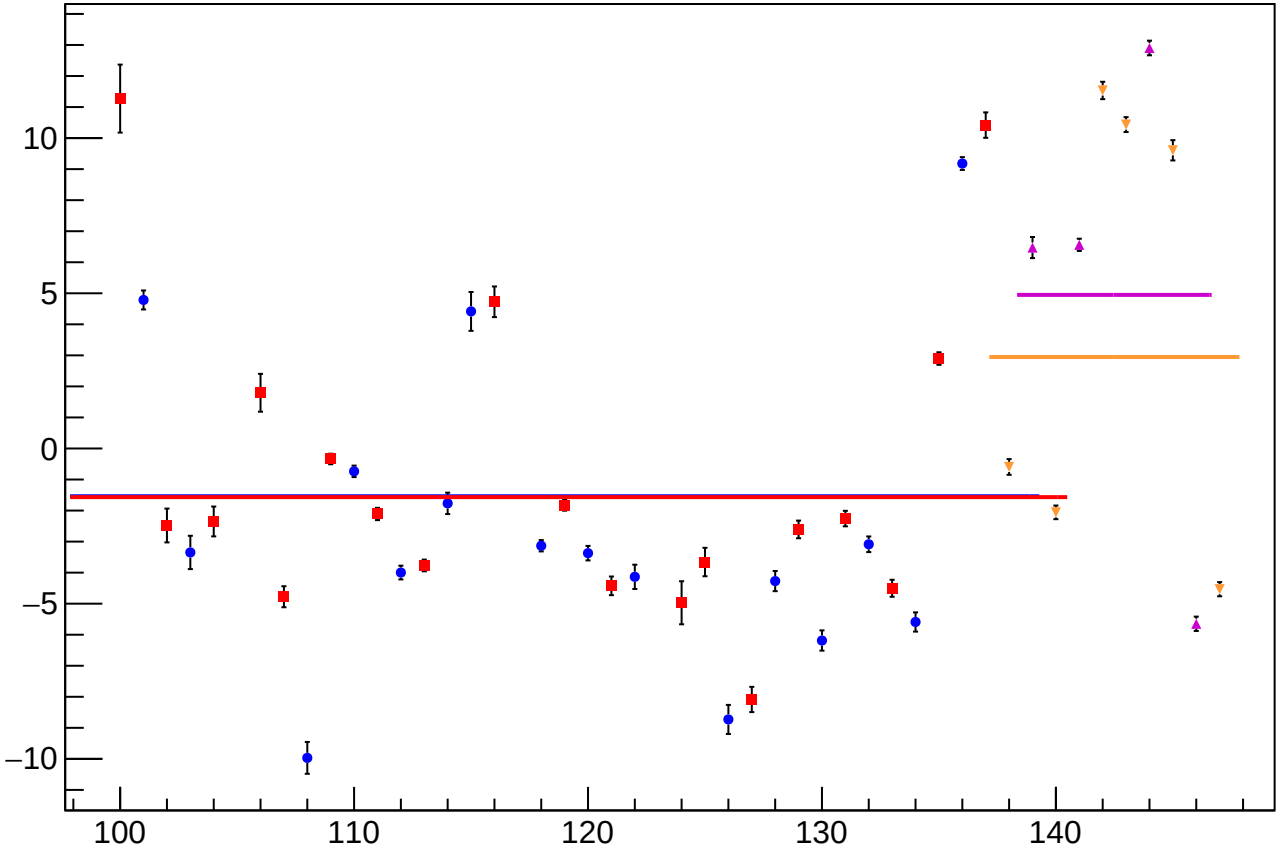
Left In: -35.380+/-0.124 χ^2/NDF:38555.7/3

+ sign -5.224+/-0.057 χ^2/NDF: 234221.7/21

All: -3.862+/-0.039 χ^2/NDF: 435460.7/44

- sign -2.646+/-0.053 χ^2/NDF: 200139.7/22

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.947+/-0.103 χ^2/NDF:4118.9/5

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

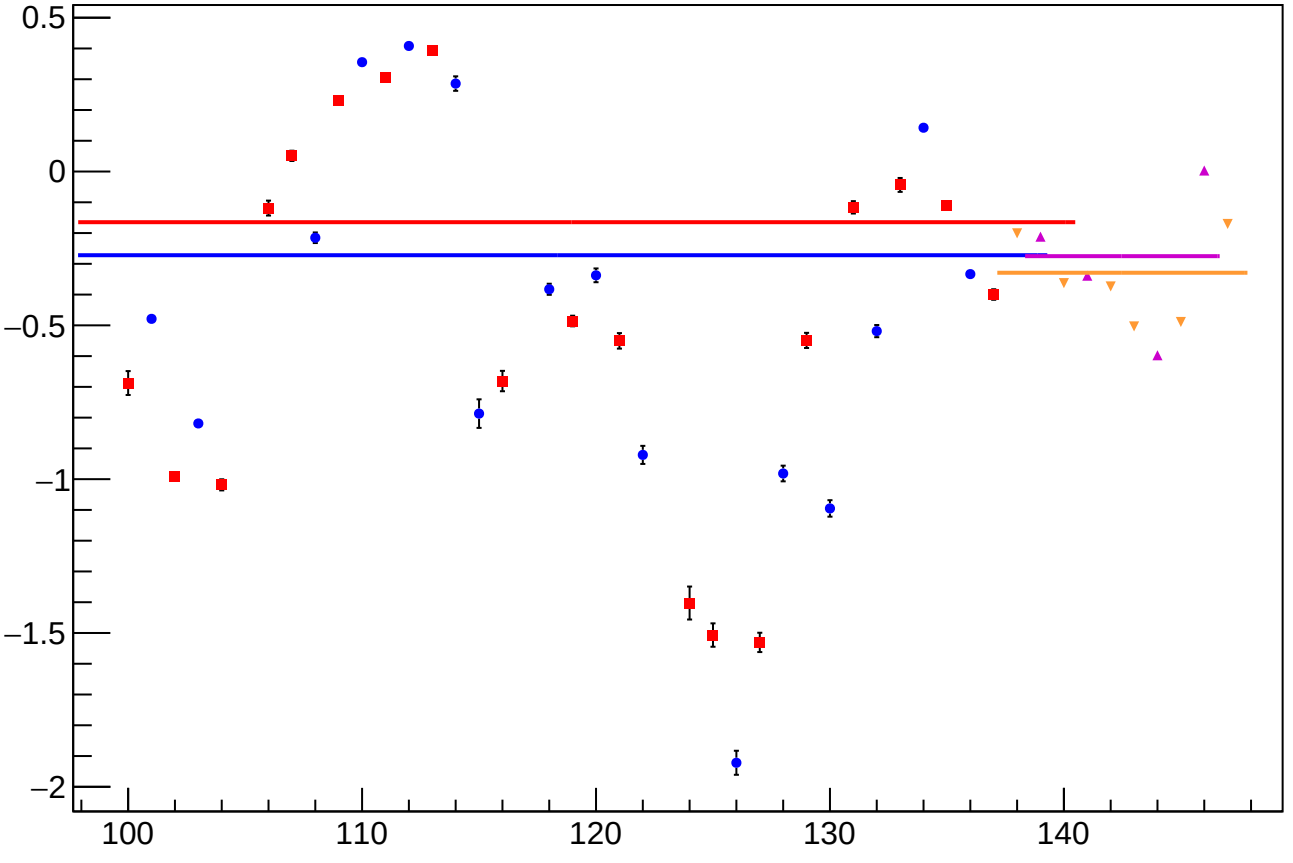
Left In: 4.949+/-0.119 χ^2/NDF:3324.6/3

+ sign -0.127+/-0.058 χ^2/NDF: 9964.7/21

All: -0.100+/-0.040 χ^2/NDF: 18117.5/44

- sign -0.075+/-0.057 χ^2/NDF: 8152.4/22

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.329+/-0.005 χ^2/NDF:728.4/5

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

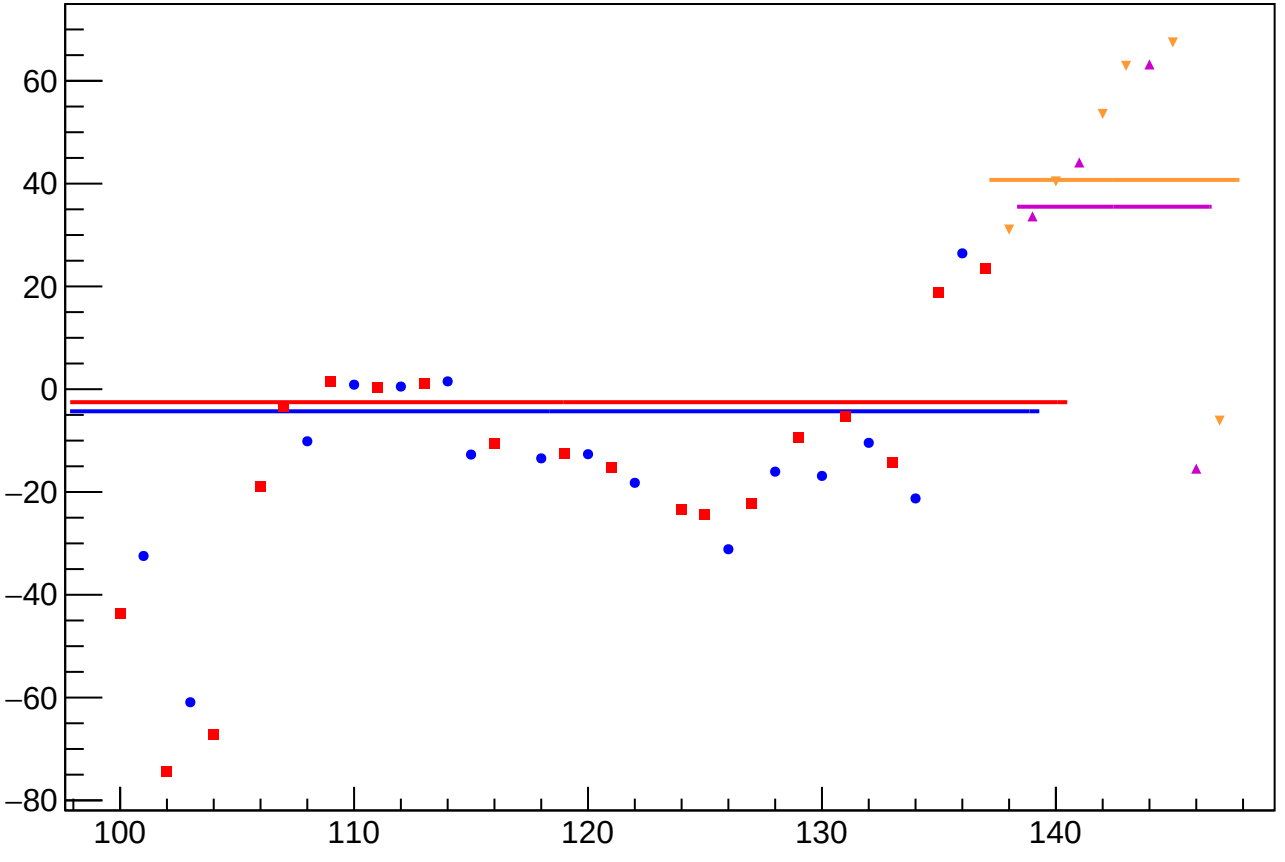
Left In: -0.275+/-0.005 χ^2/NDF:1210.8/3

+ sign -0.297+/-0.003 χ^2/NDF: 12875.7/21

All: -0.250+/-0.002 χ^2/NDF: 30341.9/44

- sign -0.206+/-0.003 χ^2/NDF: 17020.2/22

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 40.724+/-0.112 χ^2/NDF:32277.6/5

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

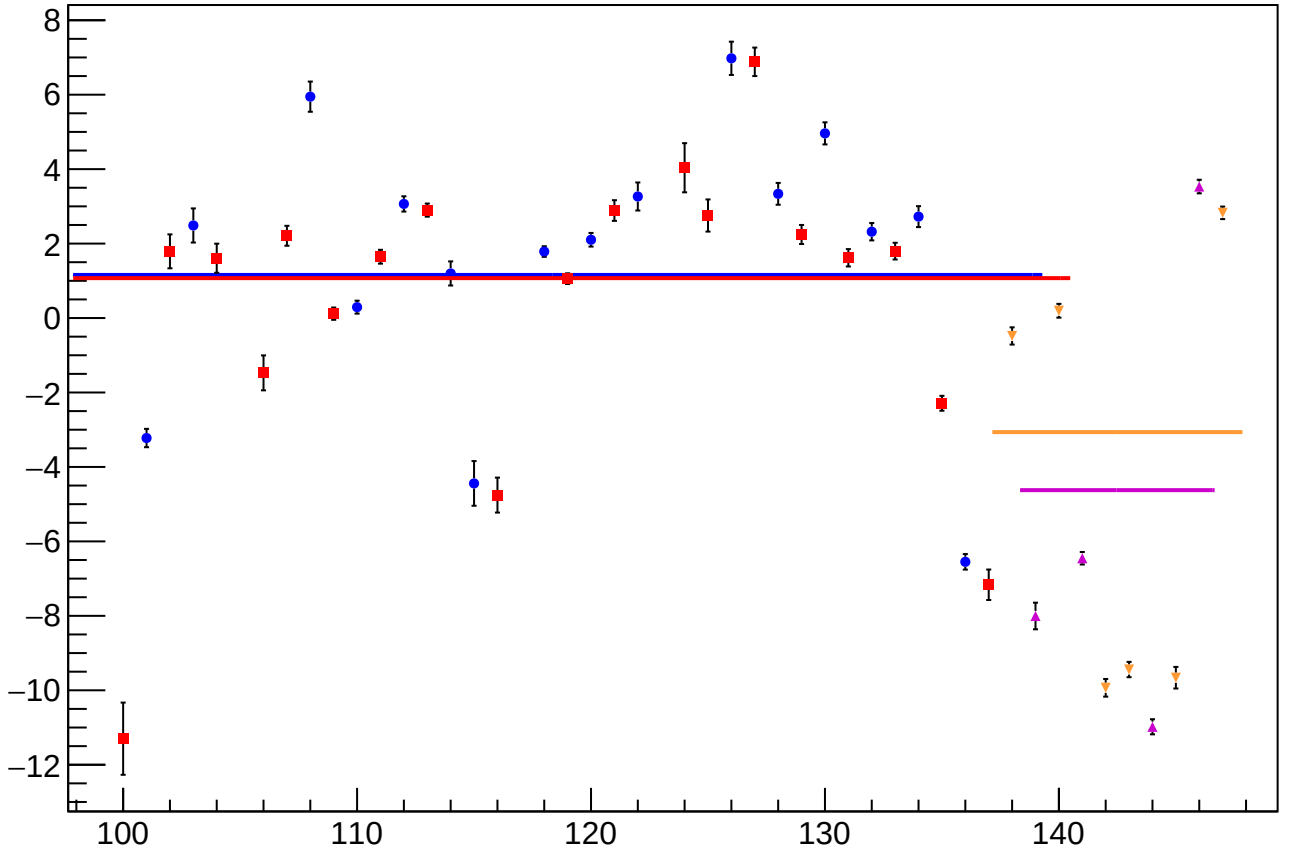
Left In: 35.512+/-0.122 χ^2/NDF:36247.3/3

+ sign 4.674+/-0.050 χ^2/NDF: 236499.2/21

All: 3.414+/-0.033 χ^2/NDF: 438271.8/44

- sign 2.431+/-0.044 χ^2/NDF: 200636.4/22

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -3.065+/-0.086 χ^2/NDF:3974.9/5

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

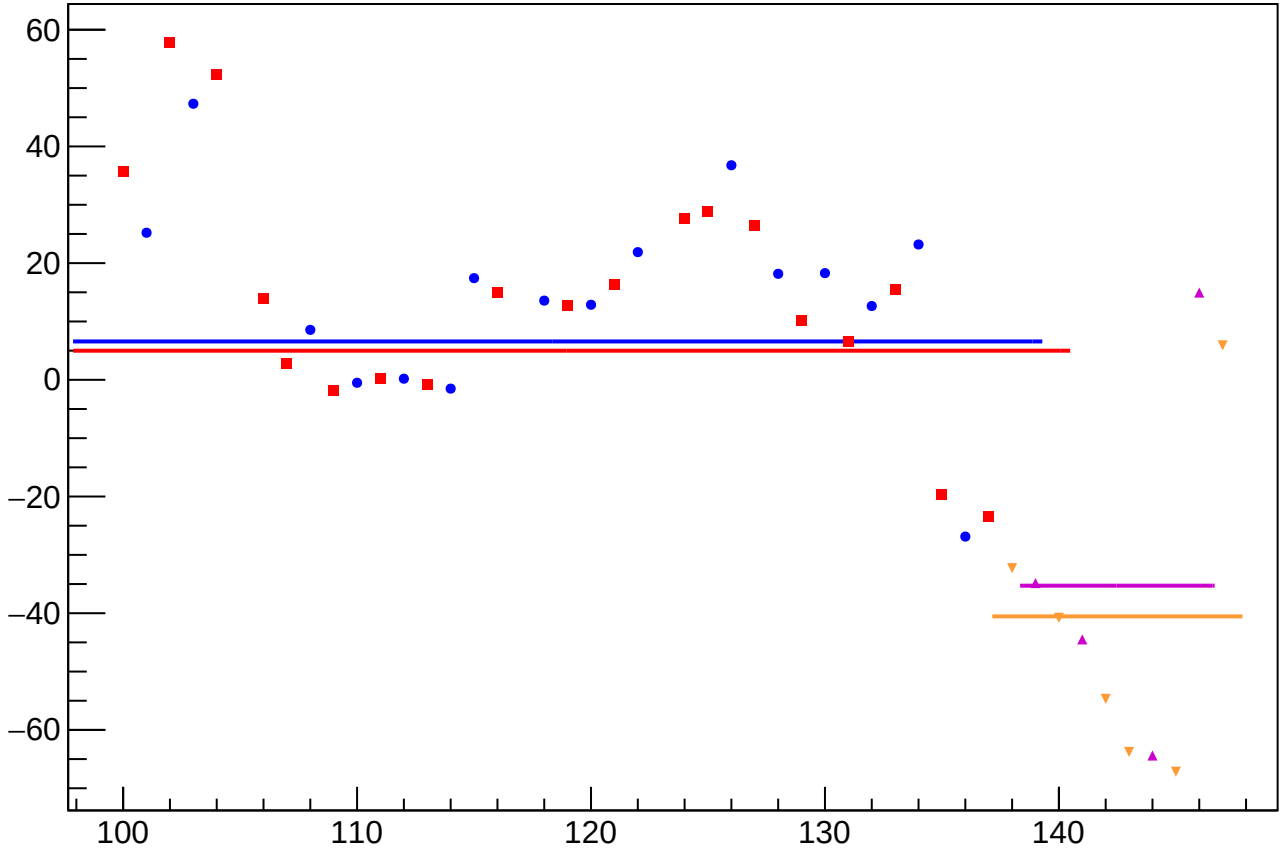
Left In: -4.623+/-0.101 χ^2/NDF:3189.3/3

\+ sign -0.279+/-0.050 χ^2/NDF: 8128.3/21

All: -0.314+/-0.036 χ^2/NDF: 15246.6/44

\- sign -0.349+/-0.051 χ^2/NDF: 7117.4/22

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -40.543+/-0.114 χ^2/NDF:33781.6/5

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

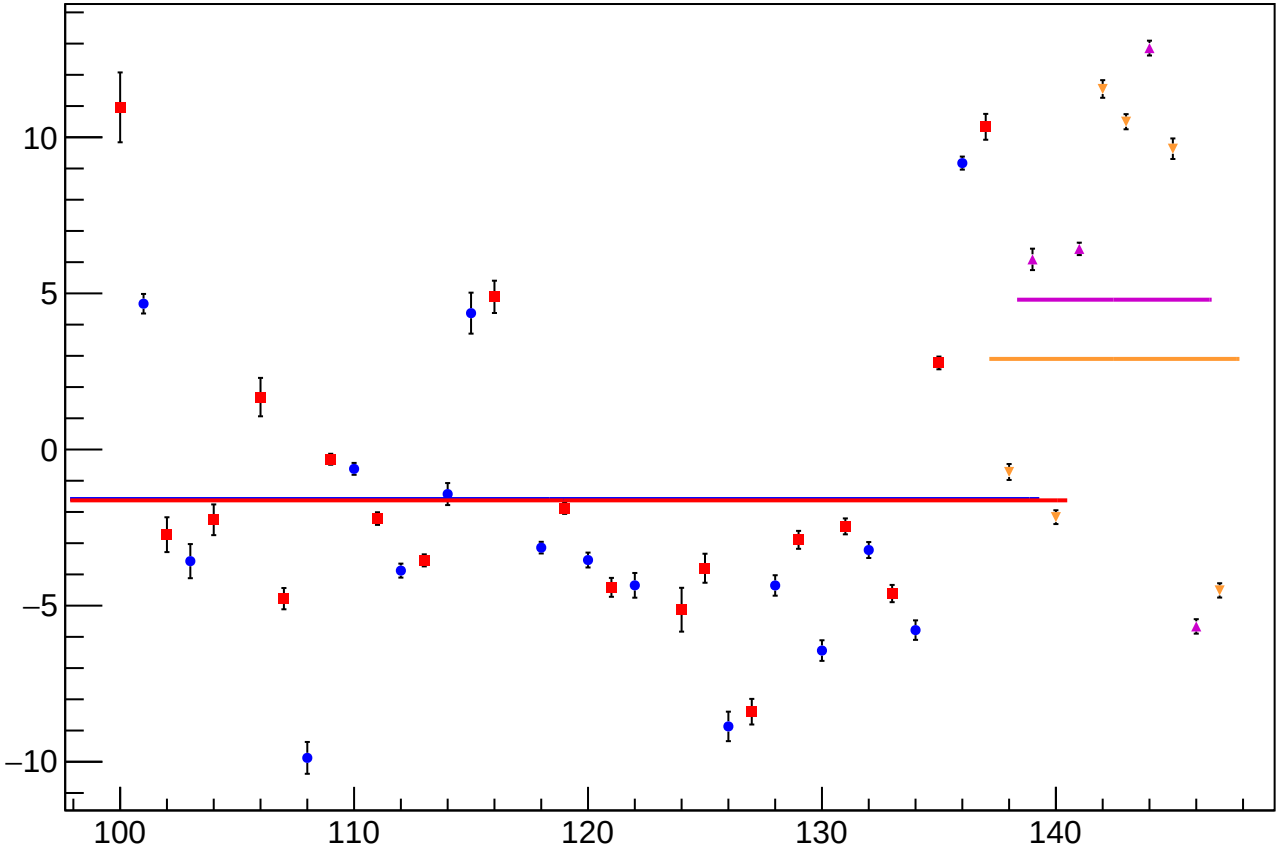
Left In: -35.281+/-0.125 χ^2/NDF:38251.5/3

+ sign -5.316+/-0.057 χ^2/NDF: 230650.5/21

All: -3.921+/-0.039 χ^2/NDF: 429003.8/44

- sign -2.669+/-0.054 χ^2/NDF: 197232.9/22

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 2.902+/-0.103 χ^2/NDF:4103.6/5

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

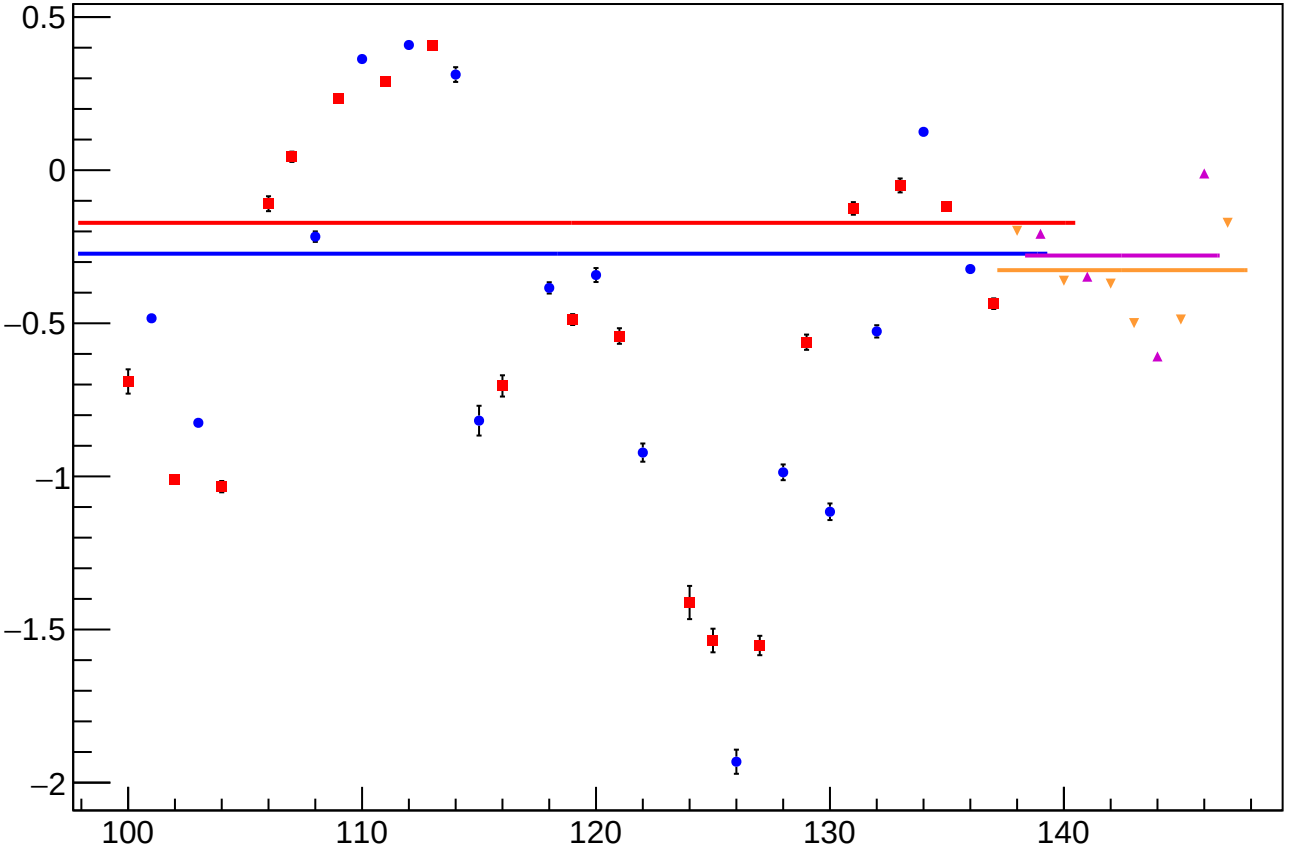
Left In: 4.799+/-0.120 χ^2/NDF:3264.8/3

+ sign -0.154+/-0.058 χ^2/NDF: 9858.2/21

All: -0.142+/-0.041 χ^2/NDF: 17764.0/44

- sign -0.131+/-0.058 χ^2/NDF: 7905.7/22

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.327+/-0.005 χ^2/NDF:710.9/5

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

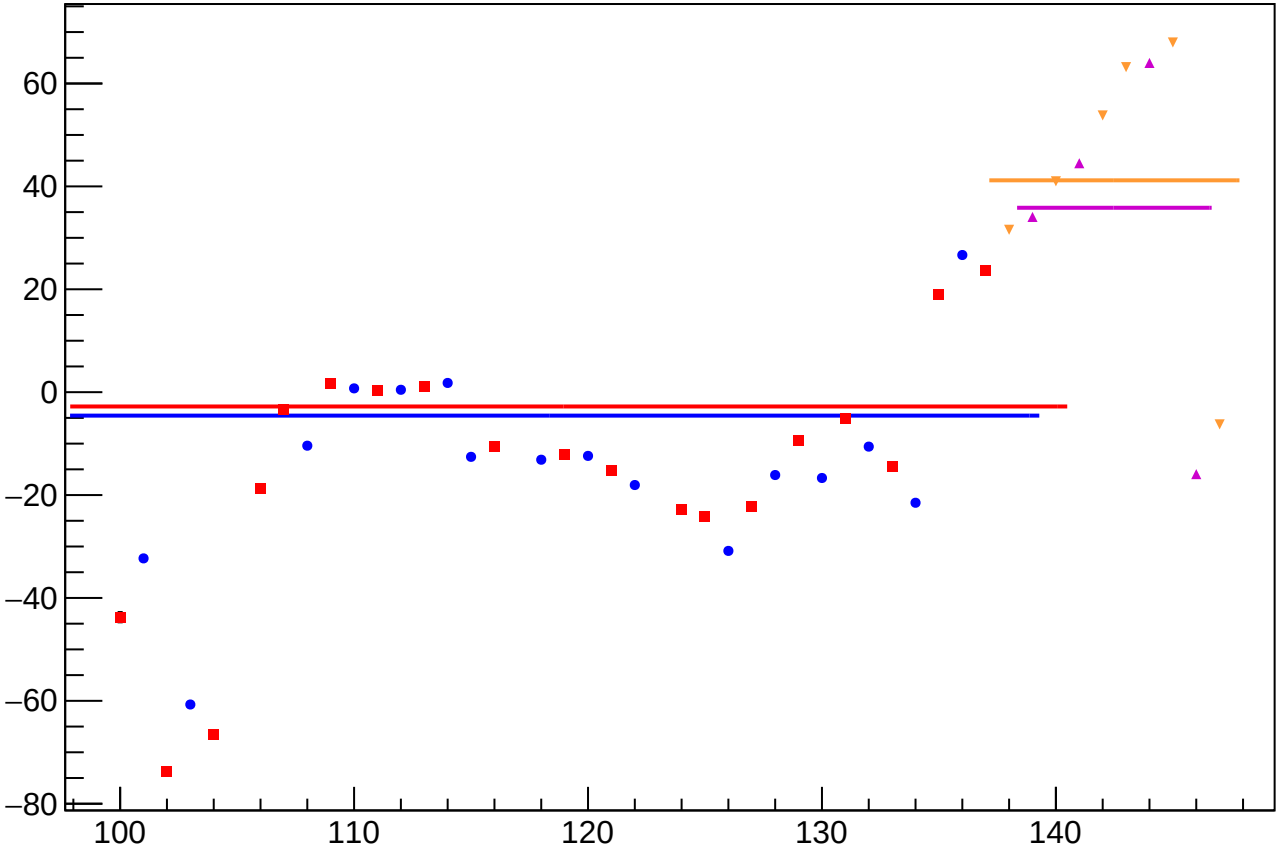
Left In: -0.279+/-0.005 χ^2/NDF:1220.5/3

+ sign -0.297+/-0.003 χ^2/NDF: 12640.0/21

All: -0.253+/-0.002 χ^2/NDF: 29845.4/44

- sign -0.213+/-0.003 χ^2/NDF: 16833.8/22

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 41.179+/-0.114 χ^2/NDF:31623.7/5

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

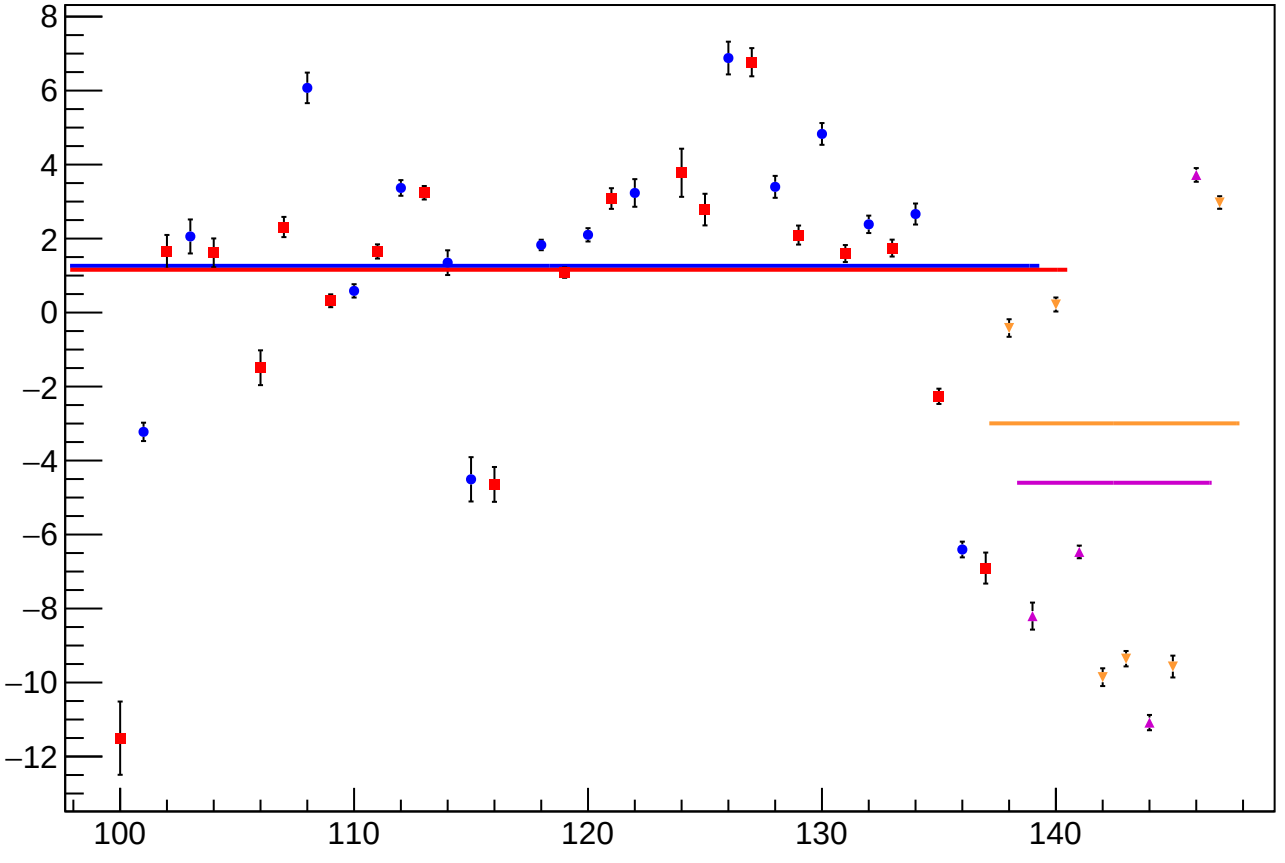
Left In: 35.845+/-0.124 χ^2/NDF:36189.2/3

+ sign 4.542+/-0.051 χ^2/NDF: 233244.4/21

All: 3.300+/-0.034 χ^2/NDF: 432089.9/44

- sign 2.318+/-0.045 χ^2/NDF: 197776.6/22

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.995+/-0.087 χ^2/NDF:3874.1/5

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

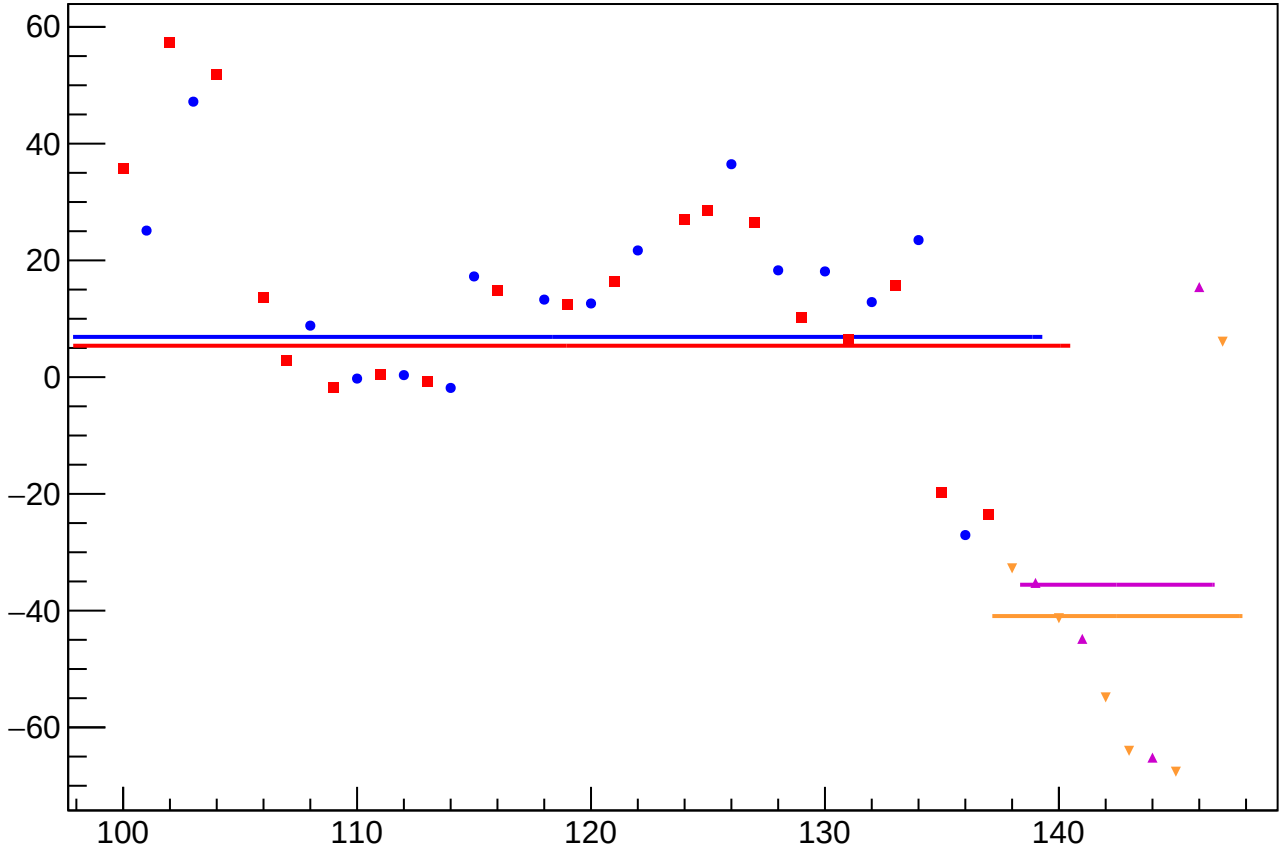
Left In: -4.600+/-0.103 χ^2/NDF:3217.5/3

+ sign -0.170+/-0.051 χ^2/NDF: 7903.6/21

All: -0.218+/-0.036 χ^2/NDF: 14962.8/44

- sign -0.268+/-0.051 χ^2/NDF: 7057.3/22

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -40.929+/-0.117 χ^2/NDF:33148.7/5

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

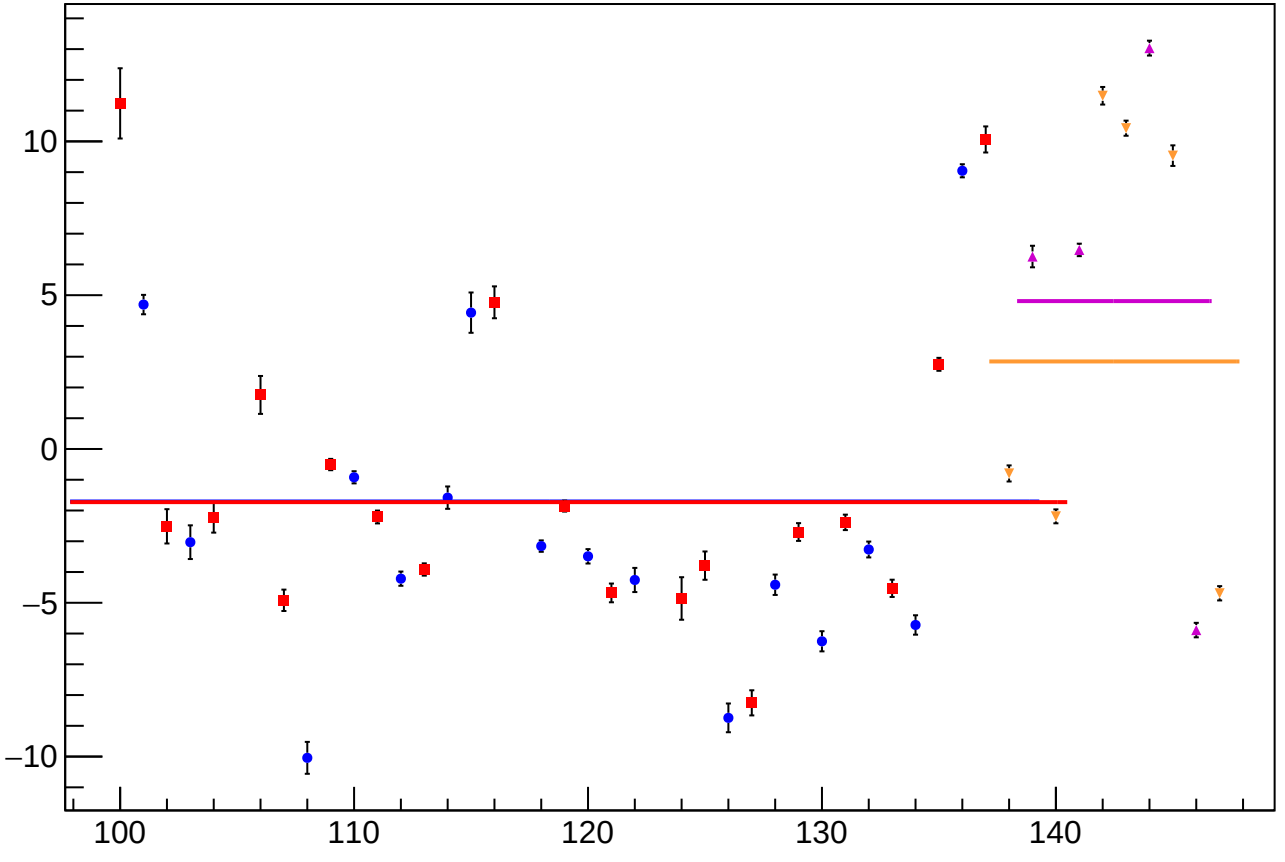
Left In: -35.563+/-0.127 χ^2/NDF:38173.9/3

+ sign -5.083+/-0.058 χ^2/NDF: 227433.2/21

All: -3.689+/-0.040 χ^2/NDF: 422940.9/44

- sign -2.427+/-0.055 χ^2/NDF: 194419.6/22

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 2.846+/-0.105 χ^2/NDF:4001.6/5

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

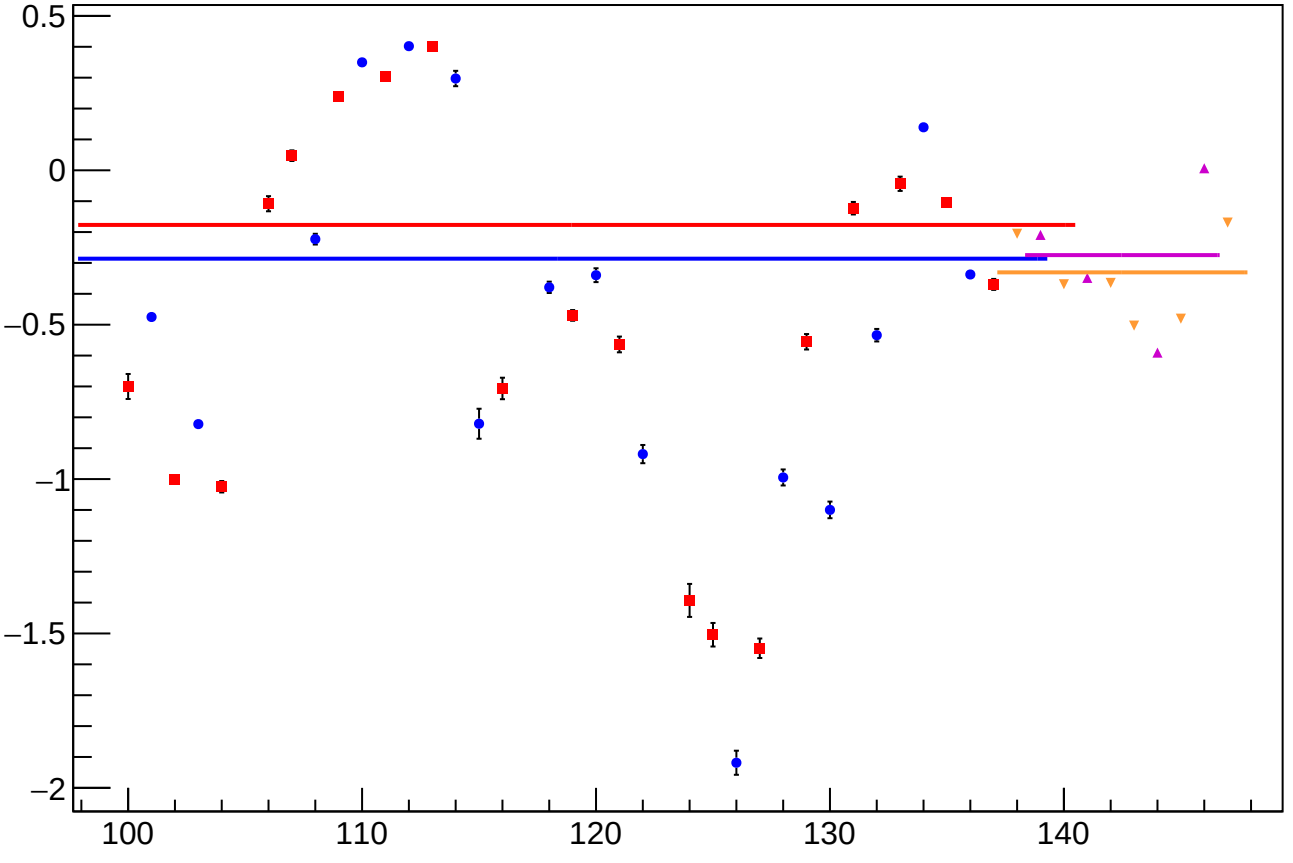
Left In: 4.808+/-0.122 χ^2/NDF:3299.0/3

\+ sign -0.268+/-0.059 χ^2/NDF: 9571.5/21

All: -0.240+/-0.042 χ^2/NDF: 17396.2/44

\- sign -0.212+/-0.059 χ^2/NDF: 7824.3/22

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.331+/-0.005 χ^2/NDF:662.4/5

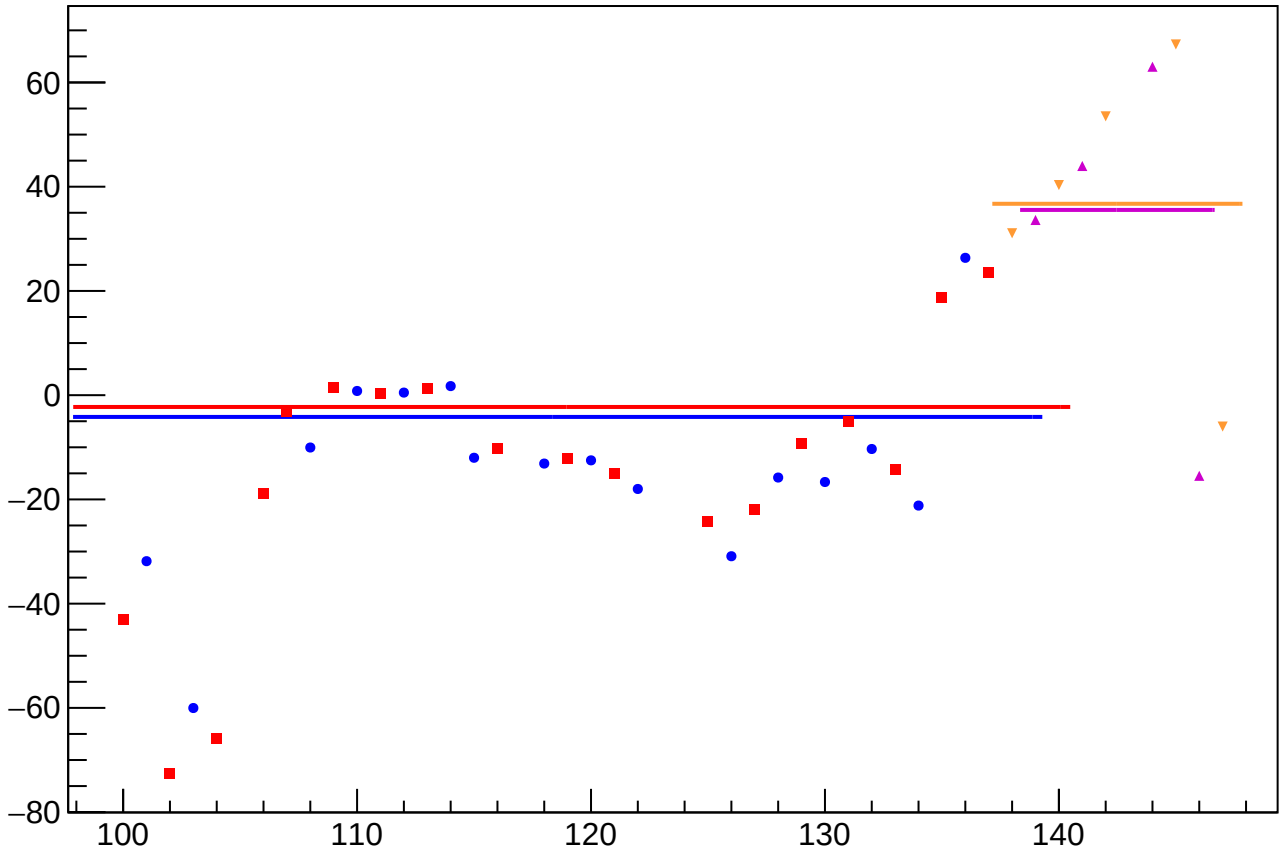
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.275+/-0.005 χ^2/NDF:1159.0/3

+ sign -0.306+/-0.003 χ^2/NDF: 12071.3/21

All: -0.259+/-0.002 χ^2/NDF: 28656.7/44

- sign -0.214+/-0.003 χ^2/NDF: 16160.9/22



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 36.723+/-0.120 χ^2/NDF:25416.2/4

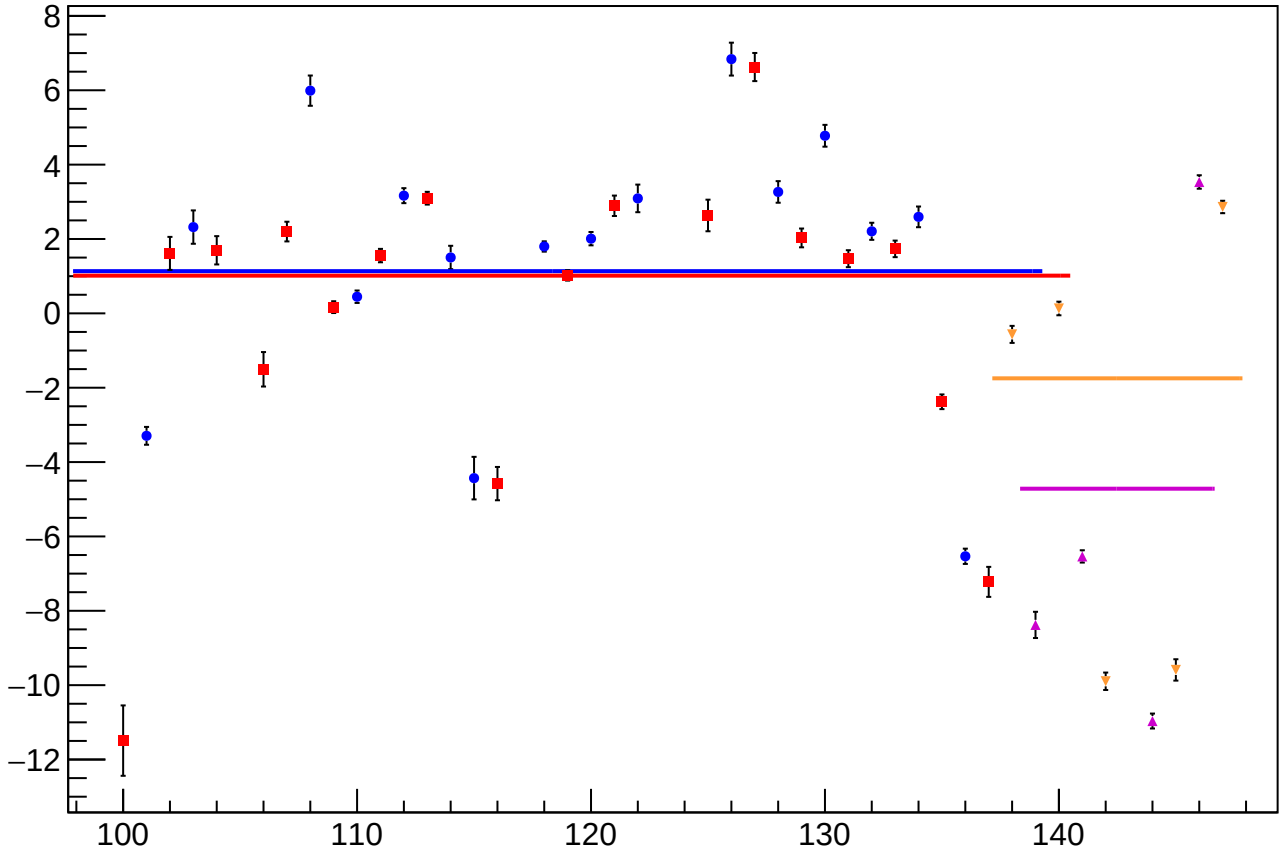
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 35.543+/-0.121 χ^2/NDF:36565.0/3

+ sign 2.808+/-0.050 χ^2/NDF: 197105.8/20

All: 2.659+/-0.032 χ^2/NDF: 399085.1/42

- sign 2.548+/-0.043 χ^2/NDF: 201963.6/21



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.748+/-0.093 χ^2/NDF:2845.7/4

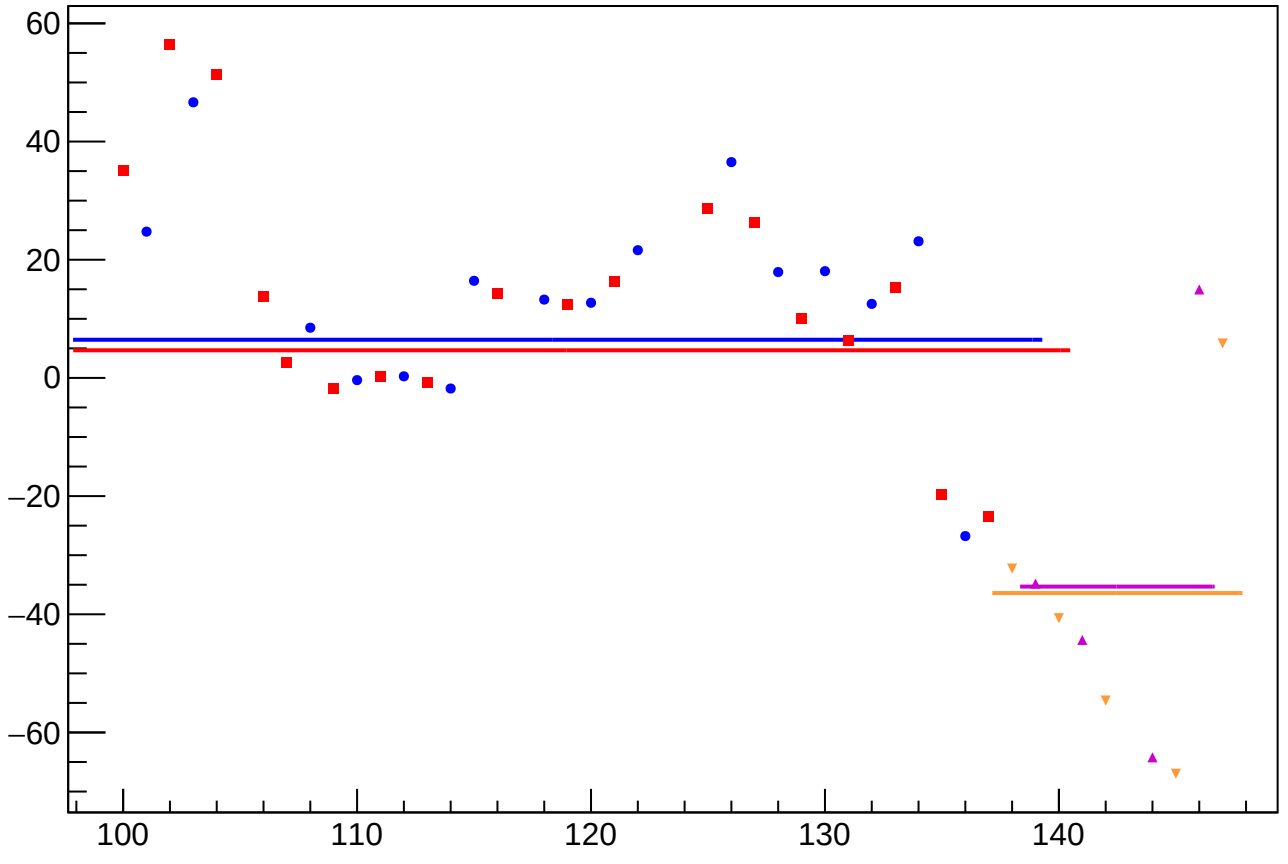
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -4.716+/-0.100 χ^2/NDF:3265.4/3

+ sign 0.288+/-0.051 χ^2/NDF: 6115.9/20

All: -0.060+/-0.035 χ^2/NDF: 13535.8/42

- sign -0.395+/-0.050 χ^2/NDF: 7327.0/21



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.407+/-0.123 χ^2/NDF:26690.8/4

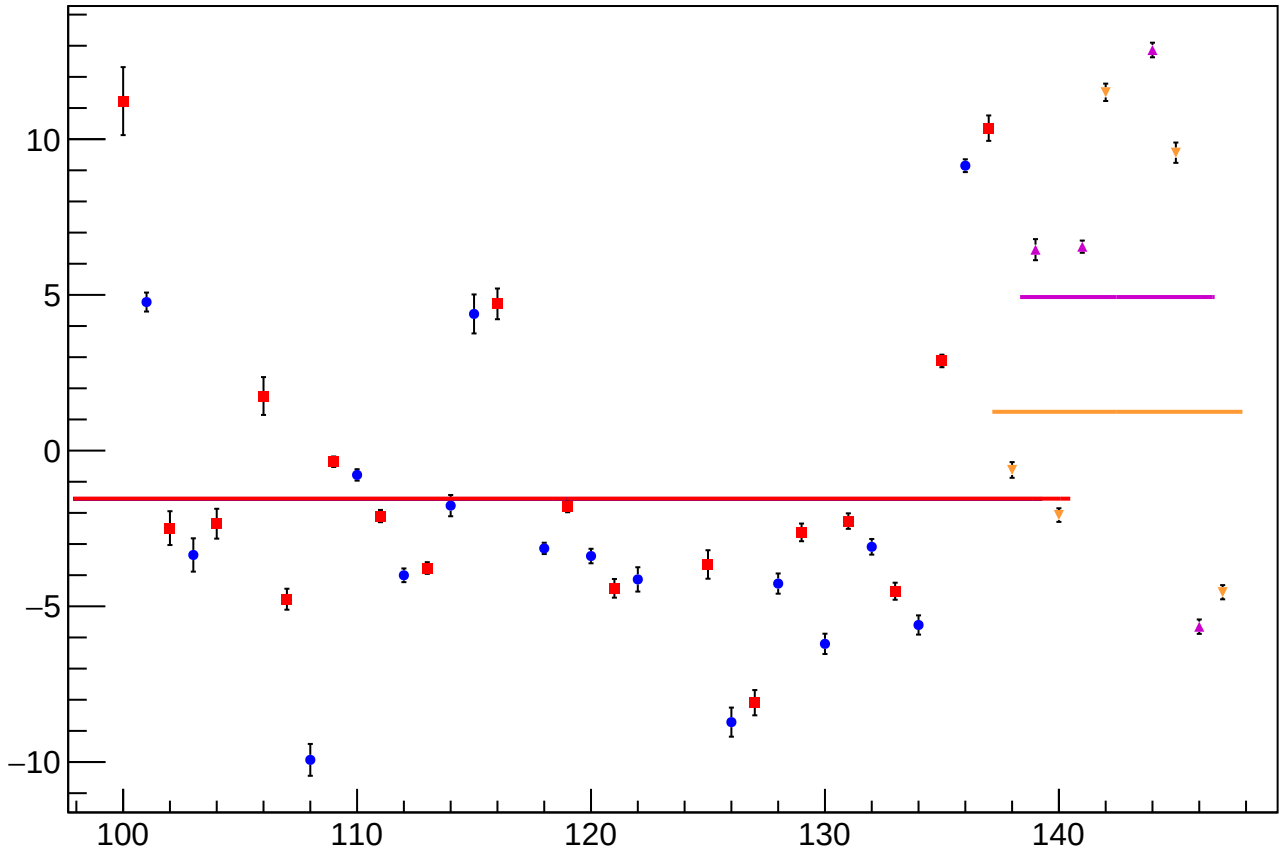
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -35.314+/-0.123 χ^2/NDF:38593.0/3

+ sign -2.935+/-0.057 χ^2/NDF: 192893.0/20

All: -2.863+/-0.039 χ^2/NDF: 391550.0/42

- sign -2.800+/-0.053 χ^2/NDF: 198654.0/21



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.246+/-0.113 χ^2/NDF:2931.5/4

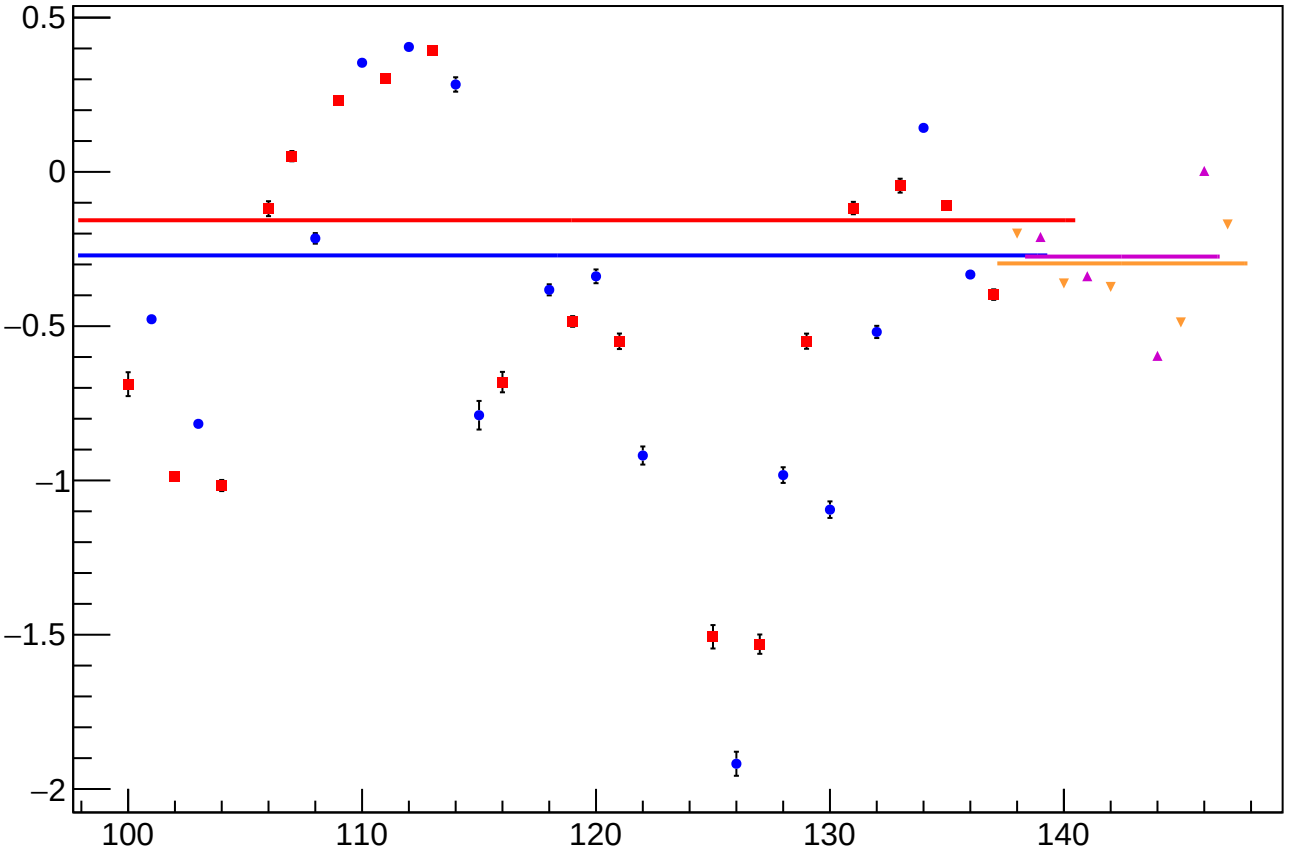
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 4.931+/-0.118 χ^2/NDF:3329.0/3

\+ sign -0.789+/-0.059 χ^2/NDF: 7919.4/20

All: -0.407+/-0.041 χ^2/NDF: 16112.1/42

\- sign -0.055+/-0.057 χ^2/NDF: 8112.4/21



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.297+/-0.005 χ^2/NDF:473.8/4

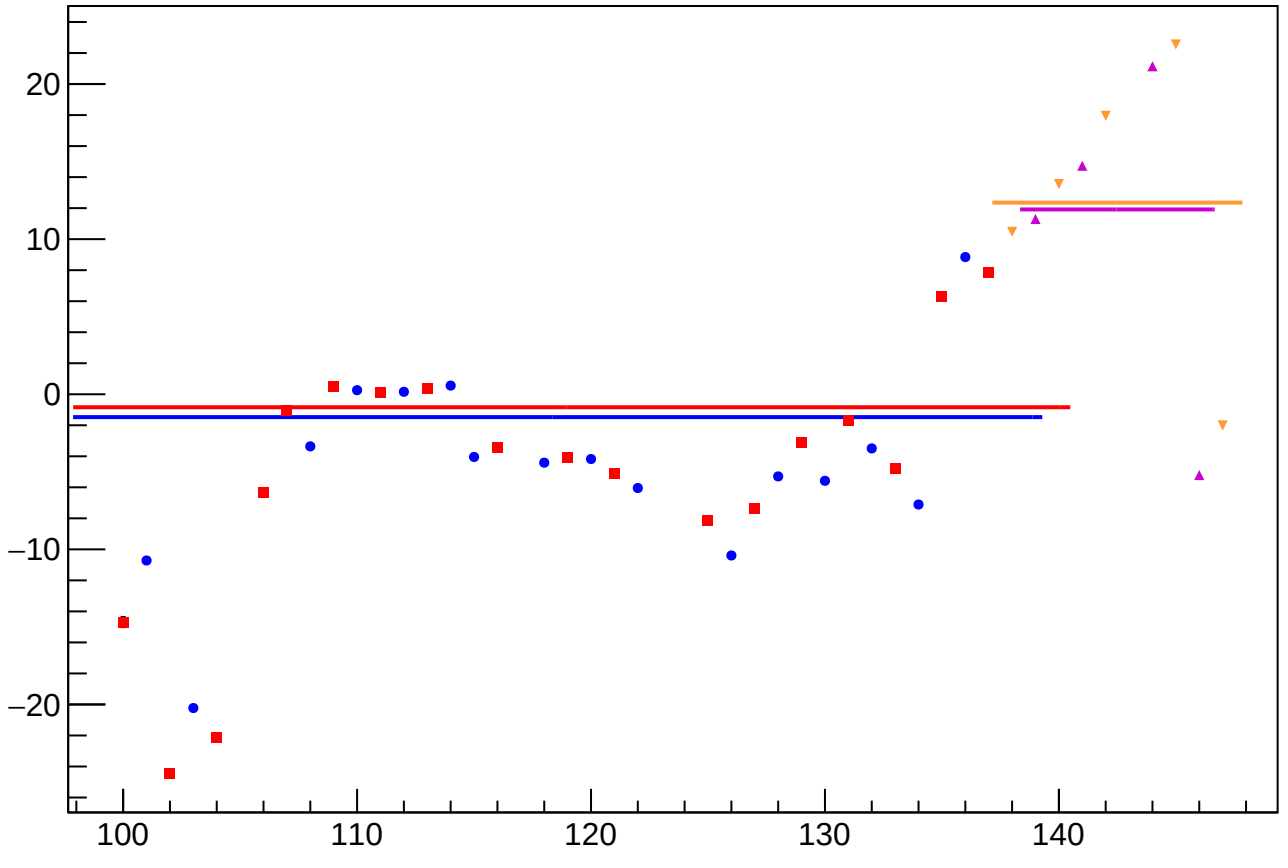
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.1/3

+ sign -0.281+/-0.003 χ^2/NDF: 12585.8/20

All: -0.239+/-0.002 χ^2/NDF: 29515.1/42

- sign -0.201+/-0.003 χ^2/NDF: 16596.1/21



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 12.356+/-0.041 χ^2/NDF:25029.1/4

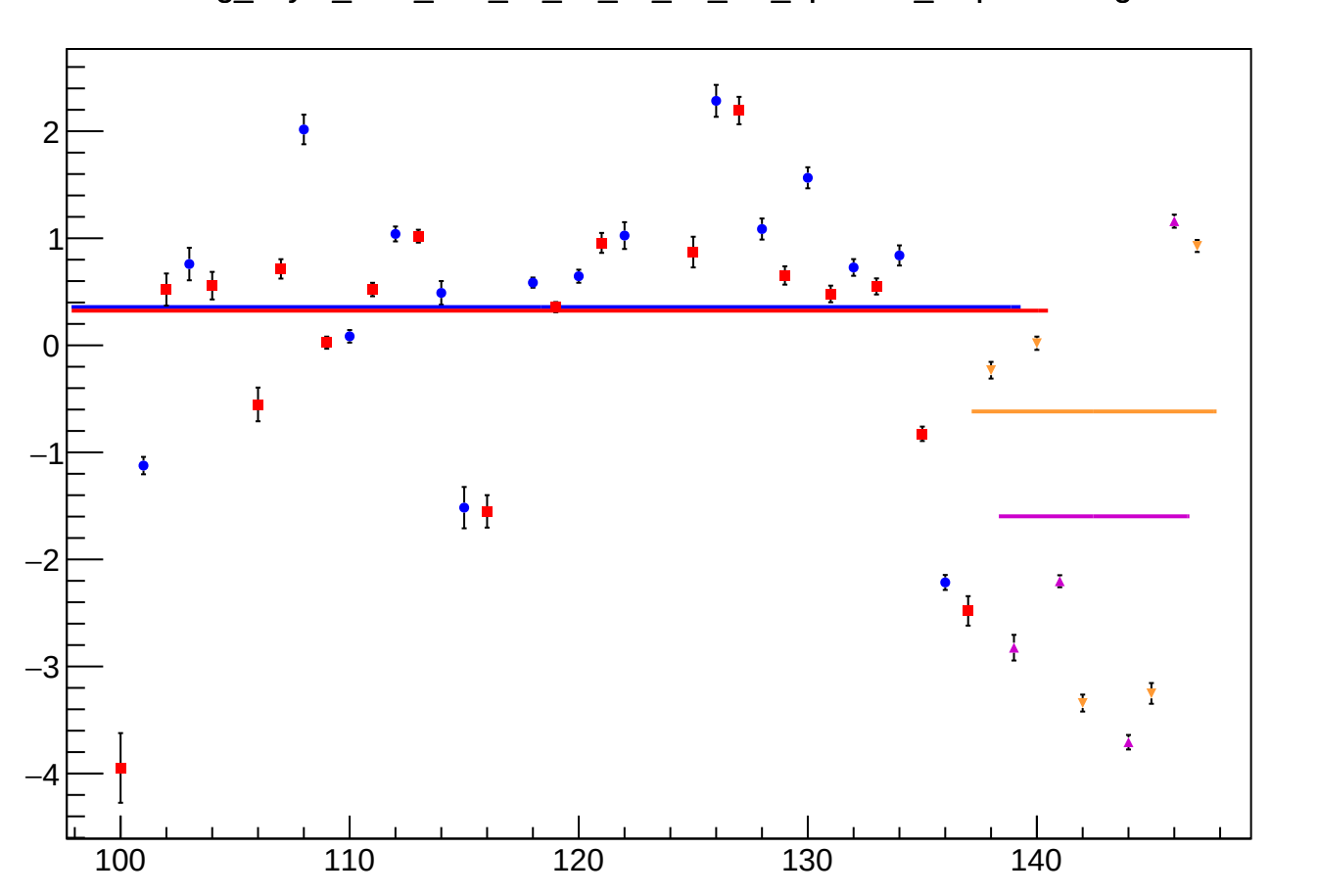
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 11.915+/-0.041 χ^2/NDF:36141.9/3

+ sign 0.941+/-0.017 χ^2/NDF: 193868.6/20

All: 0.896+/-0.011 χ^2/NDF: 392374.5/42

- sign 0.861+/-0.015 χ^2/NDF: 198493.3/21



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.618+/-0.032 χ^2/NDF:2801.0/4

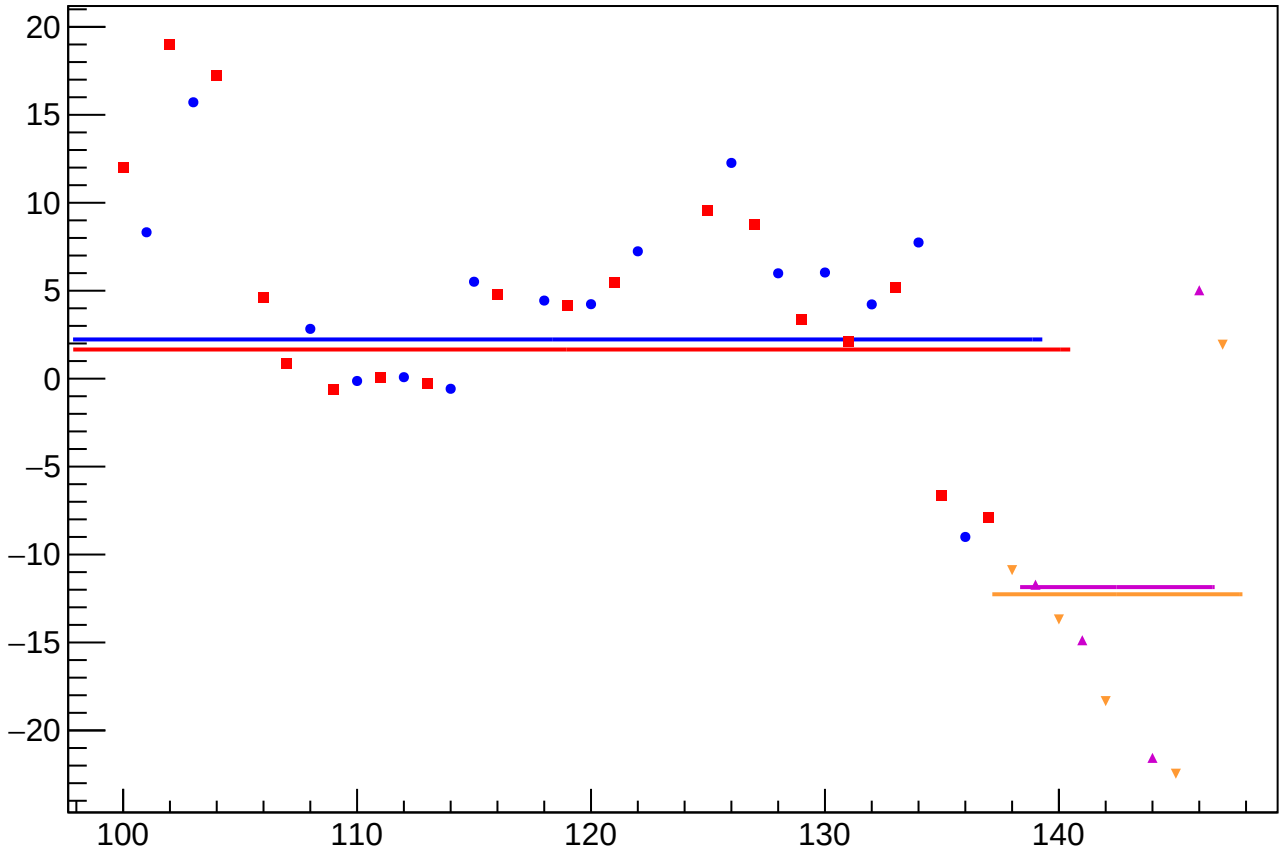
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.597+/-0.034 χ^2/NDF:3215.3/3

+ sign 0.066+/-0.017 χ^2/NDF: 6013.3/20

All: -0.049+/-0.012 χ^2/NDF: 13277.9/42

- sign -0.161+/-0.017 χ^2/NDF: 7176.2/21



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.259+/-0.042 χ^2/NDF:26313.1/4

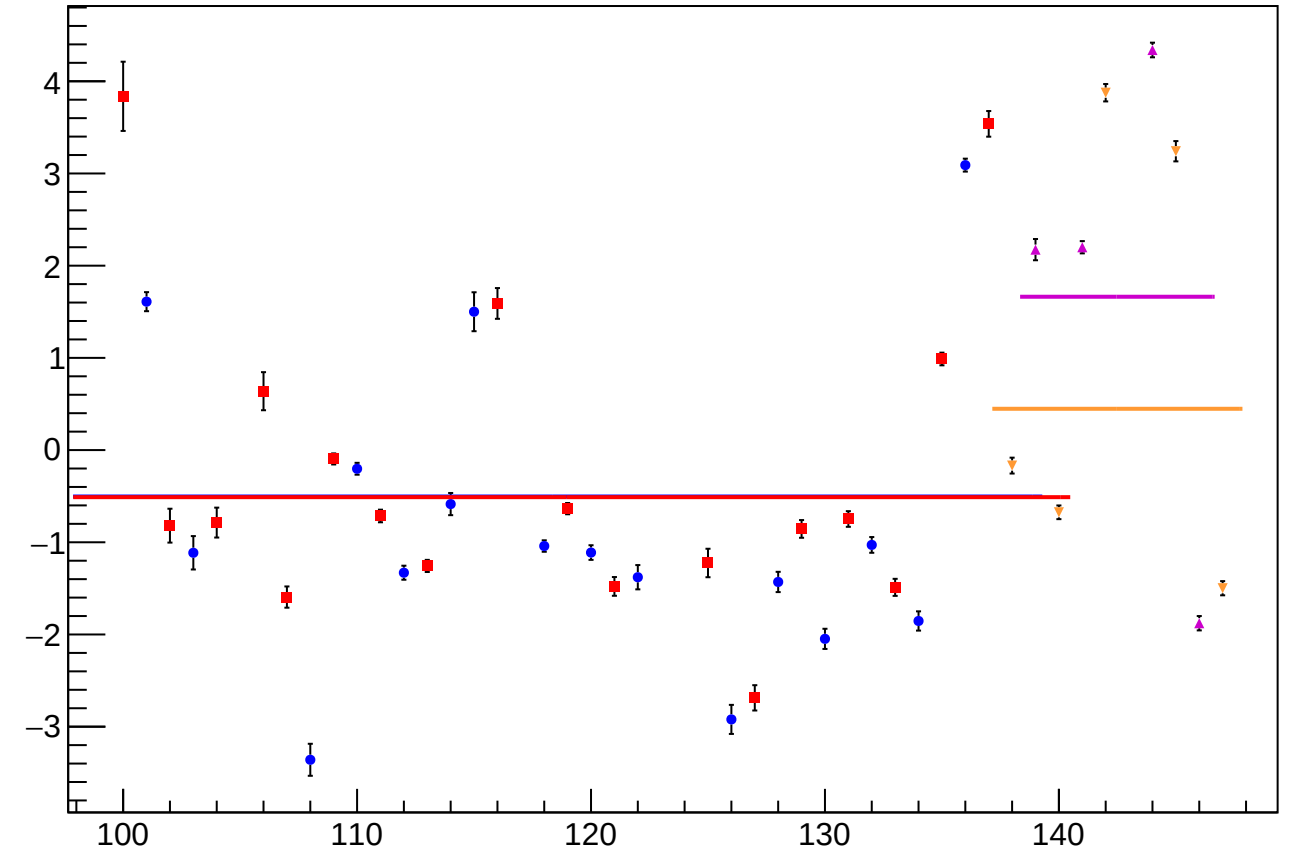
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -11.851+/-0.042 χ^2/NDF:38155.5/3

+ sign -0.993+/-0.020 χ^2/NDF: 189743.3/20

All: -0.973+/-0.013 χ^2/NDF: 385066.5/42

- sign -0.955+/-0.018 χ^2/NDF: 195321.2/21



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 0.448+/-0.038 χ^2/NDF:2883.9/4

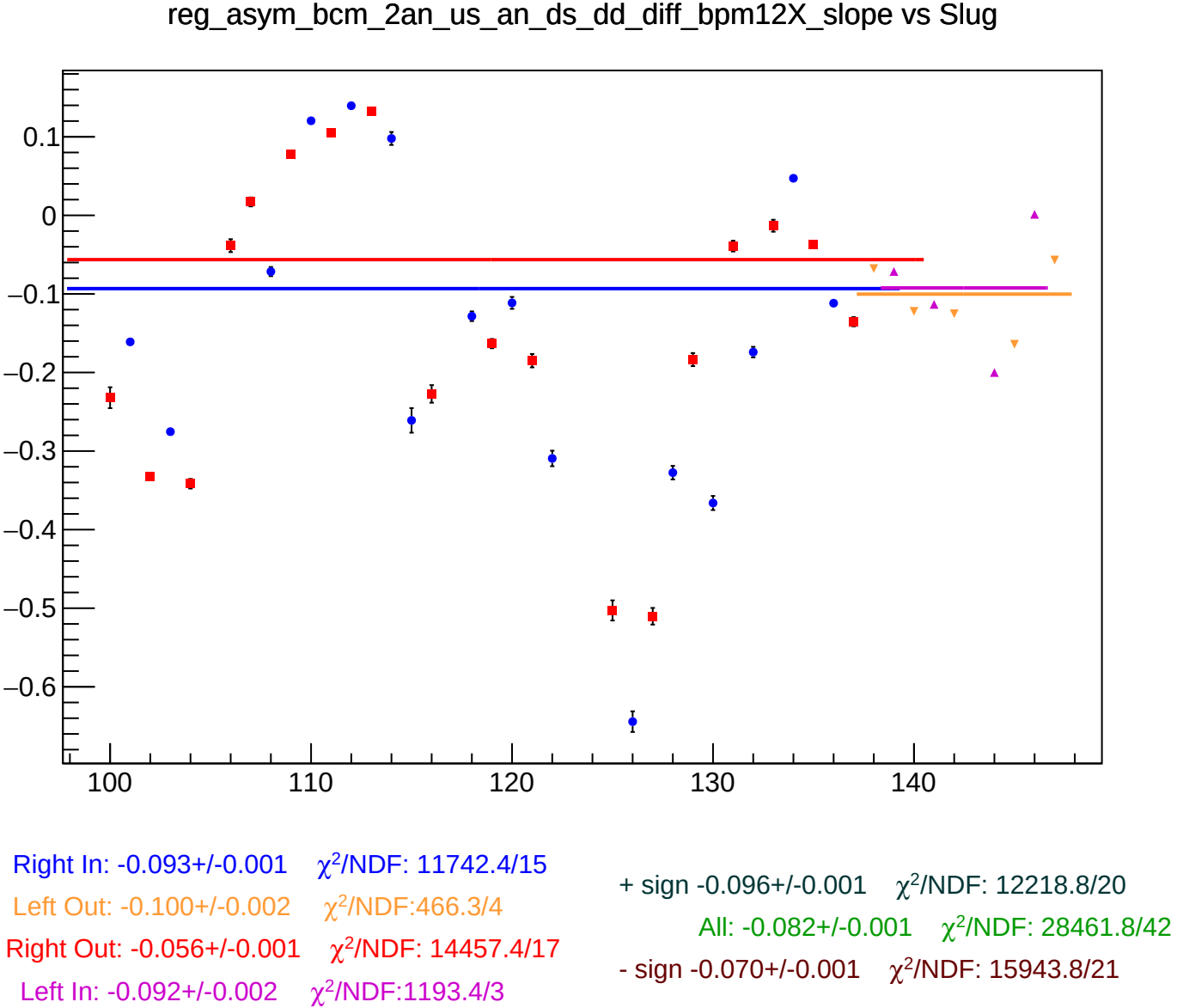
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

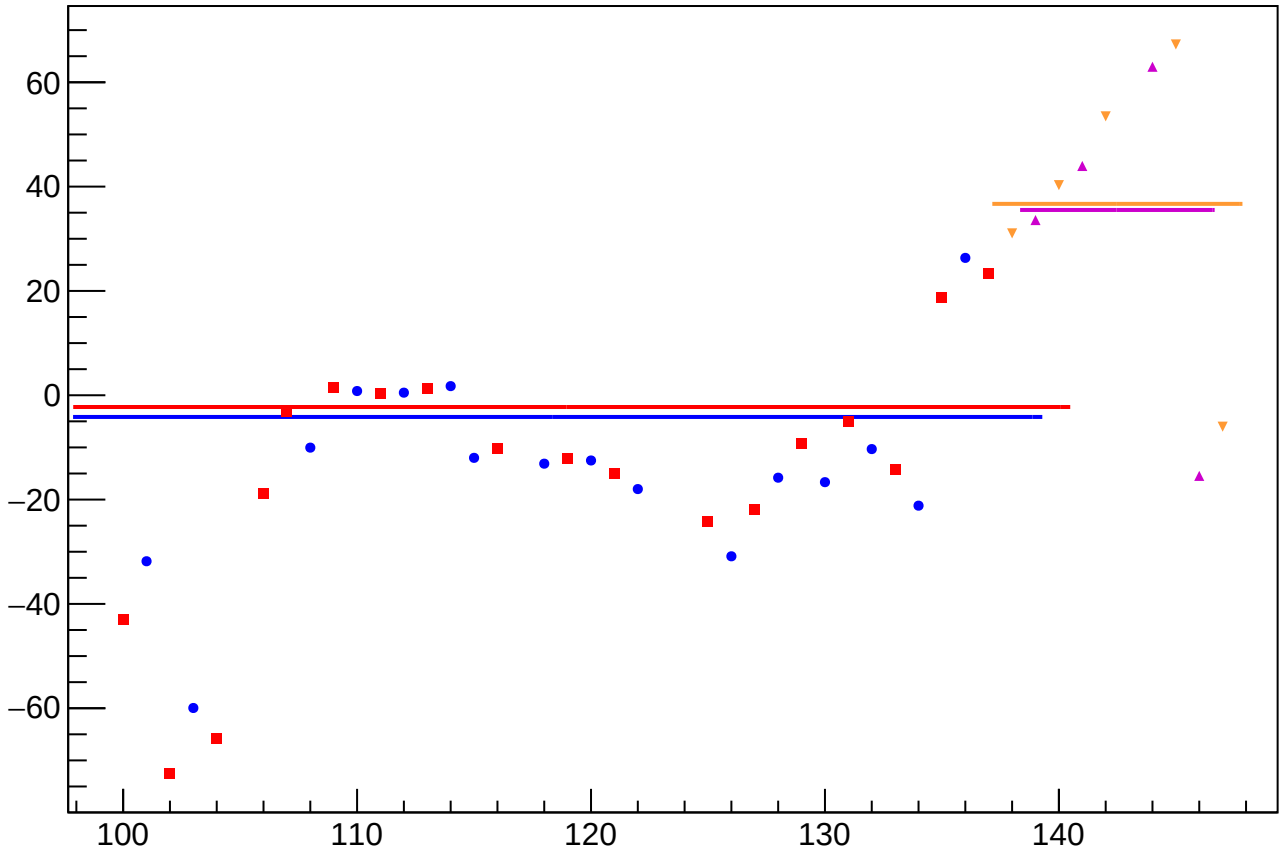
Left In: 1.663+/-0.040 χ^2/NDF:3284.9/3

+ sign -0.240+/-0.020 χ^2/NDF: 7776.6/20

All: -0.114+/-0.014 χ^2/NDF: 15814.7/42

- sign 0.003+/-0.019 χ^2/NDF: 7962.5/21


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.100+/-0.002 χ²/NDF:466.3/4
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.092+/-0.002 χ²/NDF:1193.4/3
+ sign -0.096+/-0.001 χ²/NDF: 12218.8/20
All: -0.082+/-0.001 χ²/NDF: 28461.8/42
- sign -0.070+/-0.001 χ²/NDF: 15943.8/21



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 36.691+/-0.120 χ^2/NDF:25427.8/4

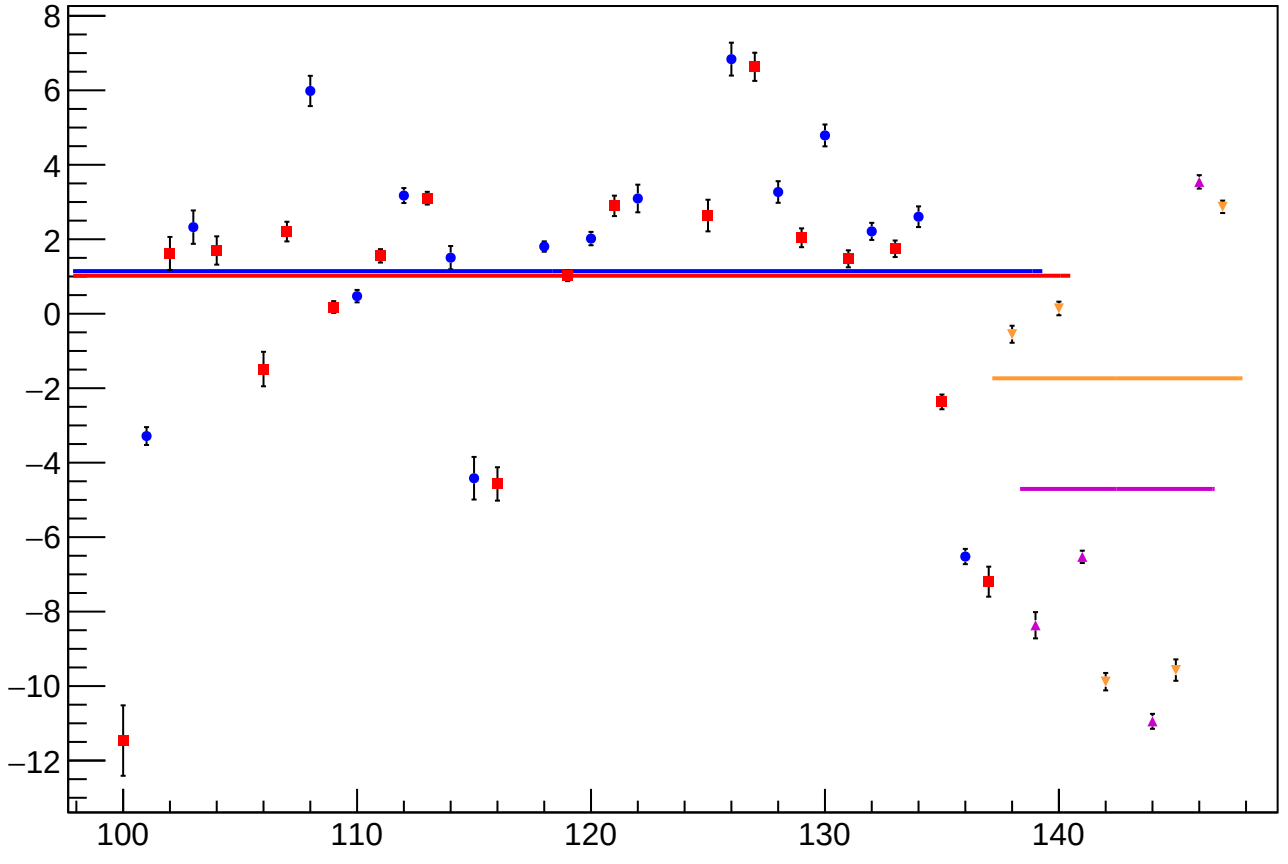
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 35.520+/-0.120 χ^2/NDF:36566.0/3

+ sign 2.808+/-0.050 χ^2/NDF: 197105.1/20

All: 2.659+/-0.032 χ^2/NDF: 399101.7/42

- sign 2.547+/-0.043 χ^2/NDF: 201980.6/21



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -1.735+/-0.093 χ^2/NDF:2846.8/4

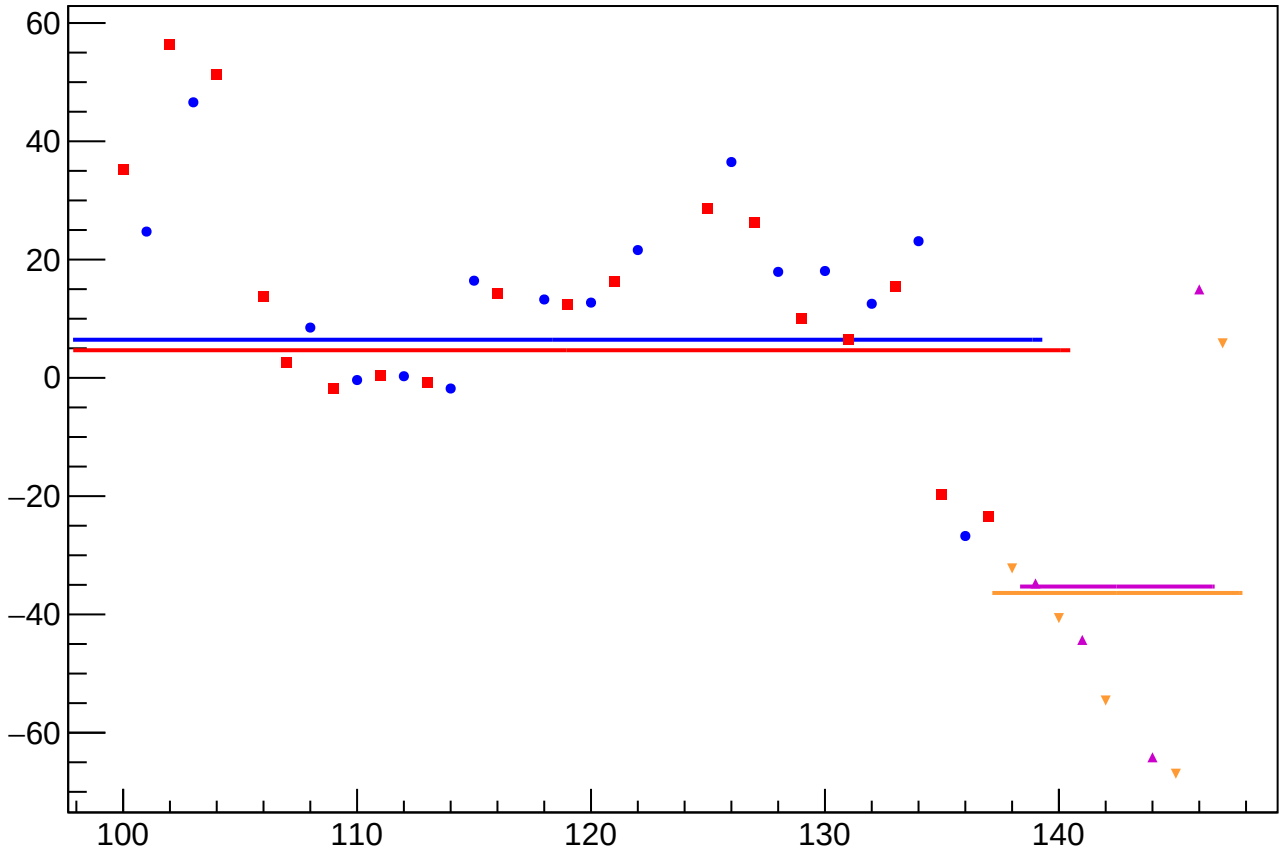
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -4.705+/-0.100 χ^2/NDF:3266.5/3

+ sign 0.298+/-0.051 χ^2/NDF: 6115.9/20

All: -0.051+/-0.035 χ^2/NDF: 13536.2/42

- sign -0.387+/-0.050 χ^2/NDF: 7326.7/21



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.369+/-0.123 χ^2/NDF:26700.7/4

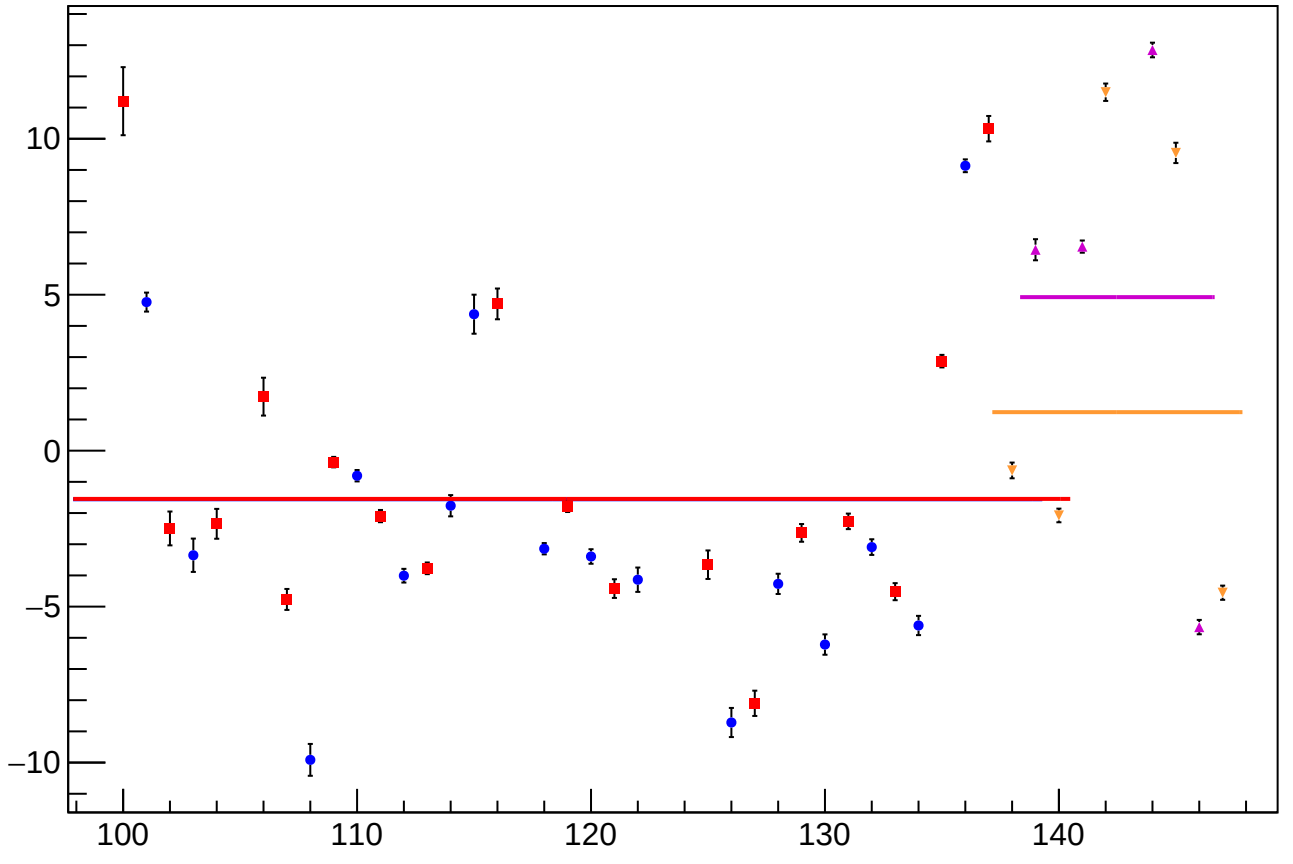
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -35.285+/-0.123 χ^2/NDF:38593.0/3

+ sign -2.930+/-0.057 χ^2/NDF: 192887.7/20

All: -2.856+/-0.039 χ^2/NDF: 391552.8/42

- sign -2.793+/-0.053 χ^2/NDF: 198662.1/21



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 1.235+/-0.113 χ^2/NDF:2932.5/4

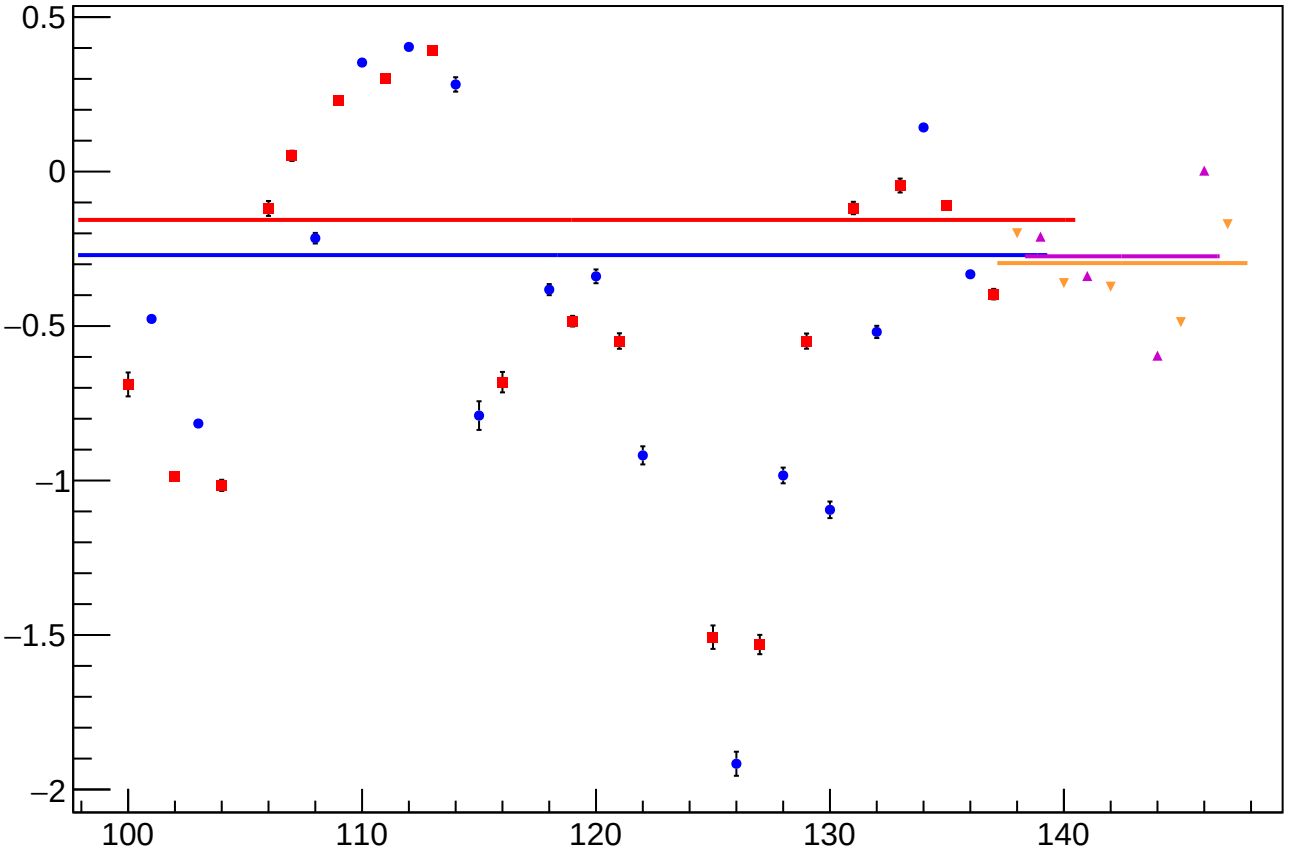
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 4.922+/-0.118 χ^2/NDF:3329.4/3

\+ sign -0.797+/-0.059 χ^2/NDF: 7919.2/20

All: -0.413+/-0.041 χ^2/NDF: 16110.4/42

\- sign -0.061+/-0.057 χ^2/NDF: 8110.2/21



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.296+/-0.005 χ^2/NDF:473.6/4

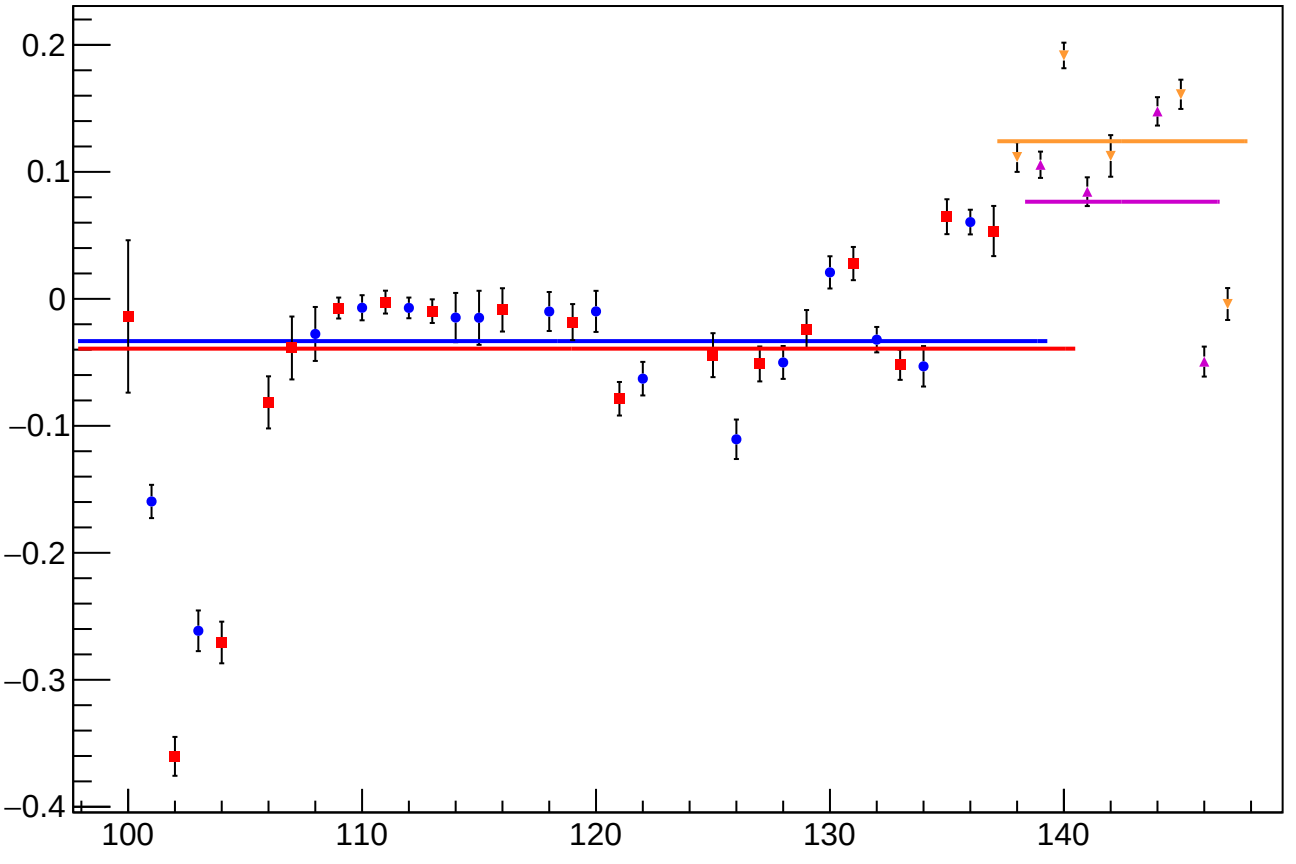
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.5/3

+ sign -0.281+/-0.003 χ^2/NDF: 12586.3/20

All: -0.238+/-0.002 χ^2/NDF: 29529.0/42

- sign -0.201+/-0.003 χ^2/NDF: 16608.9/21



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.124+/-0.005 χ^2/NDF:160.9/4

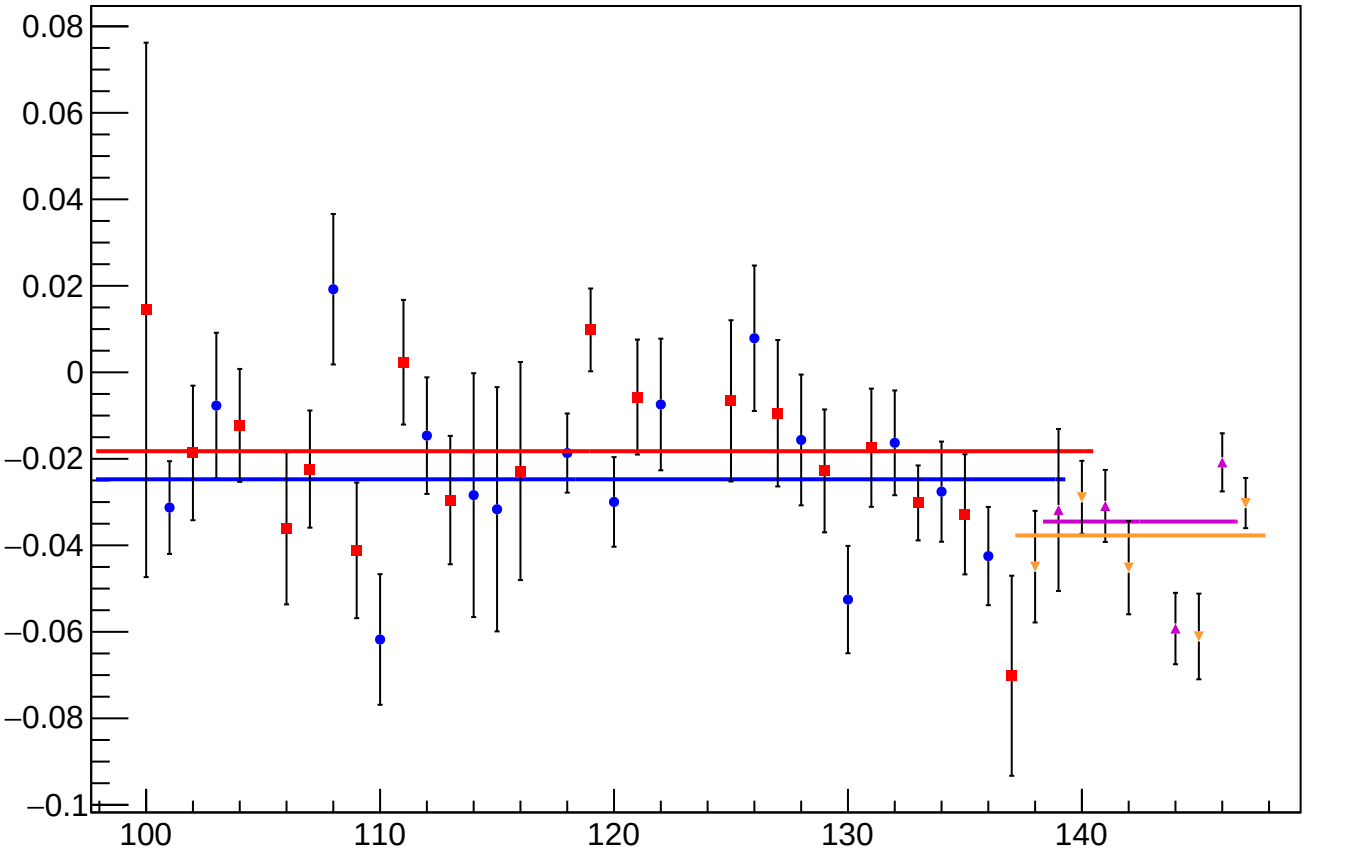
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.076+/-0.006 χ^2/NDF:162.7/3

+ sign 0.008+/-0.003 χ^2/NDF: 1258.0/20

All: -0.001+/-0.002 χ^2/NDF: 2577.9/42

- sign -0.011+/-0.003 χ^2/NDF: 1296.1/21



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.038+/-0.004 χ^2/NDF:9.1/4

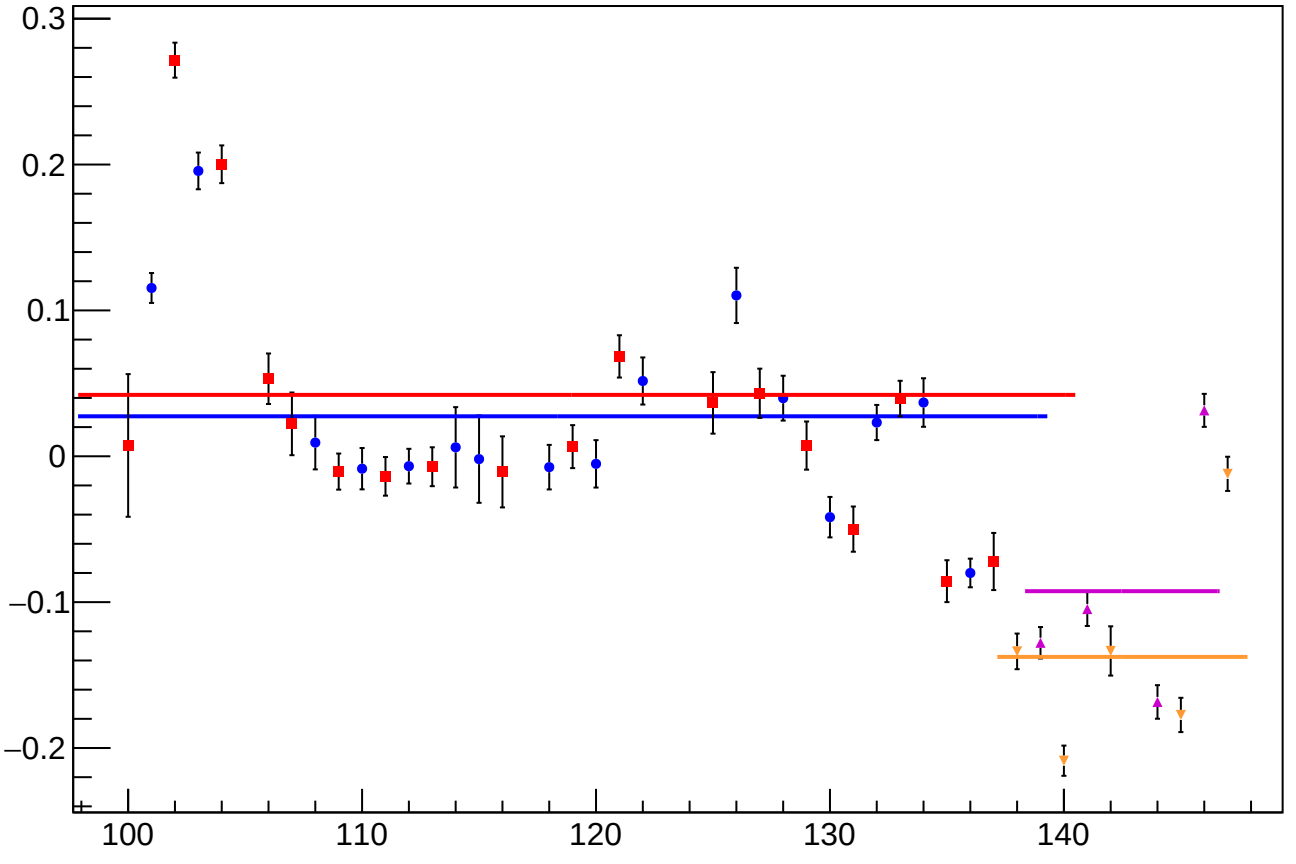
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.035+/-0.004 χ^2/NDF:13.3/3

+ sign -0.030+/-0.003 χ^2/NDF: 44.2/20

All: -0.028+/-0.002 χ^2/NDF: 93.7/42

- sign -0.024+/-0.003 χ^2/NDF: 46.9/21



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.138+/-0.005 χ^2/NDF:173.4/4

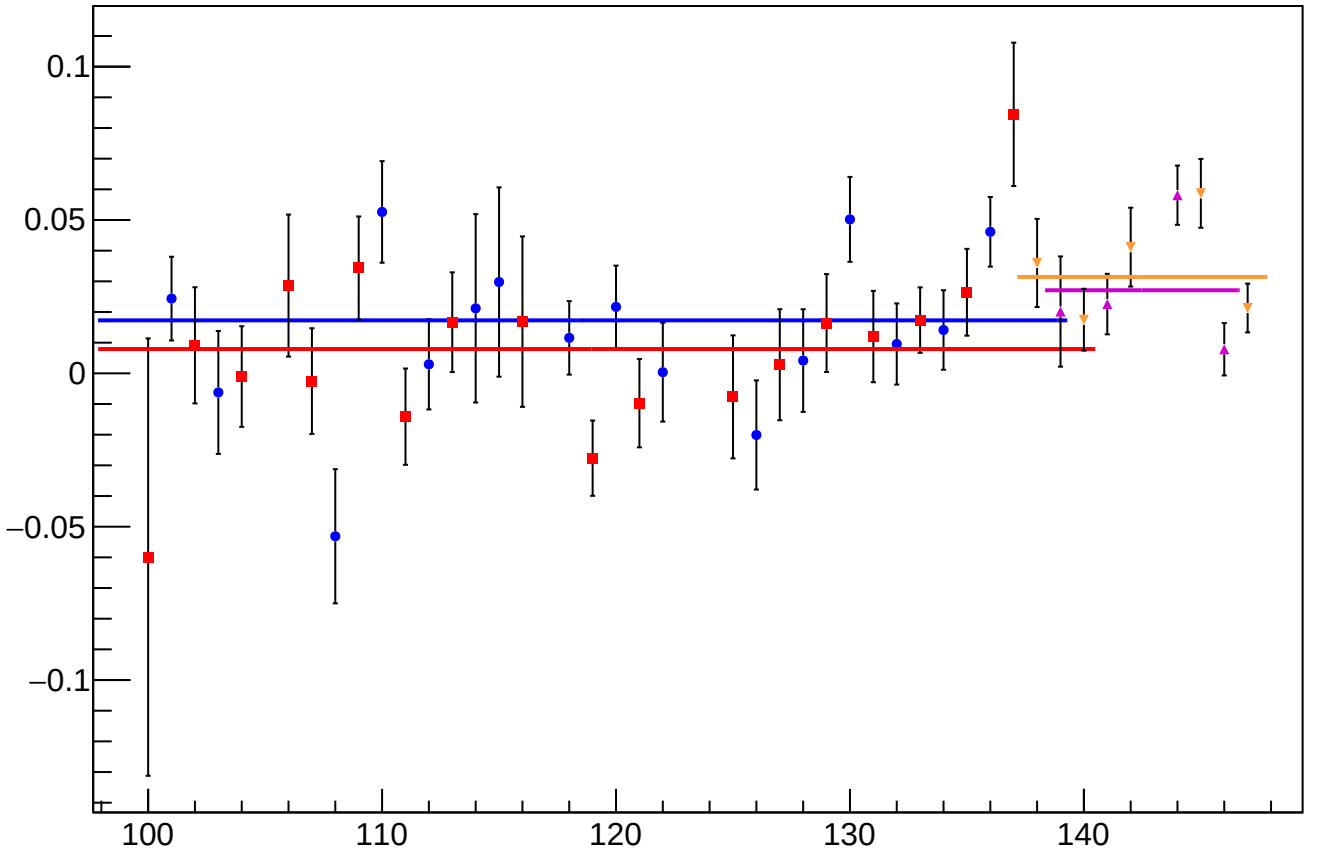
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.092+/-0.006 χ^2/NDF:175.5/3

\+ sign -0.023+/-0.003 χ^2/NDF: 1265.1/20

All: -0.010+/-0.002 χ^2/NDF: 2609.9/42

\- sign 0.003+/-0.003 χ^2/NDF: 1310.1/21



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.031+/-0.005 χ^2/NDF:10.1/4

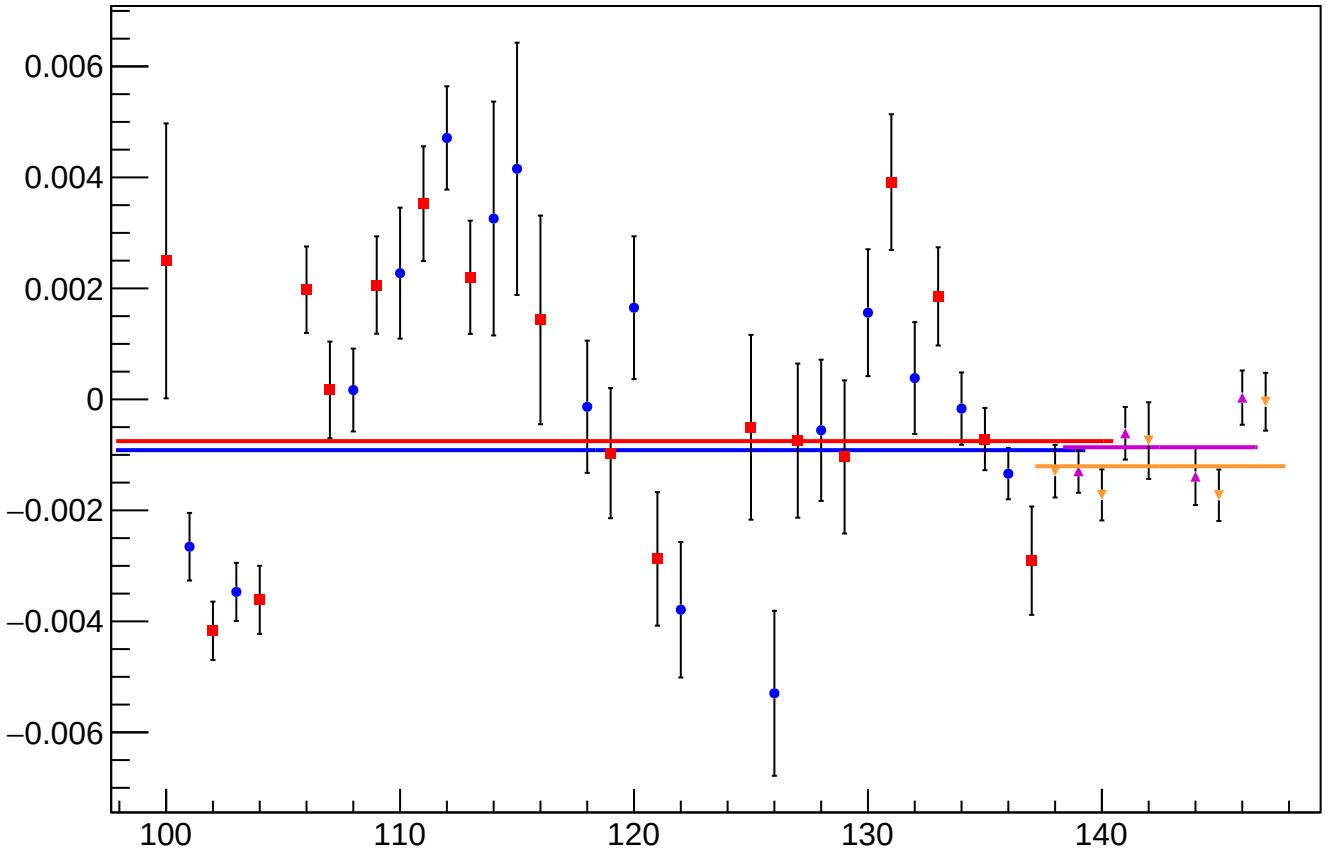
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.027+/-0.005 χ^2/NDF:15.7/3

+ sign 0.023+/-0.003 χ^2/NDF: 52.2/20

All: 0.019+/-0.002 χ^2/NDF: 111.5/42

- sign 0.015+/-0.003 χ^2/NDF: 55.9/21



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:8.0/4

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

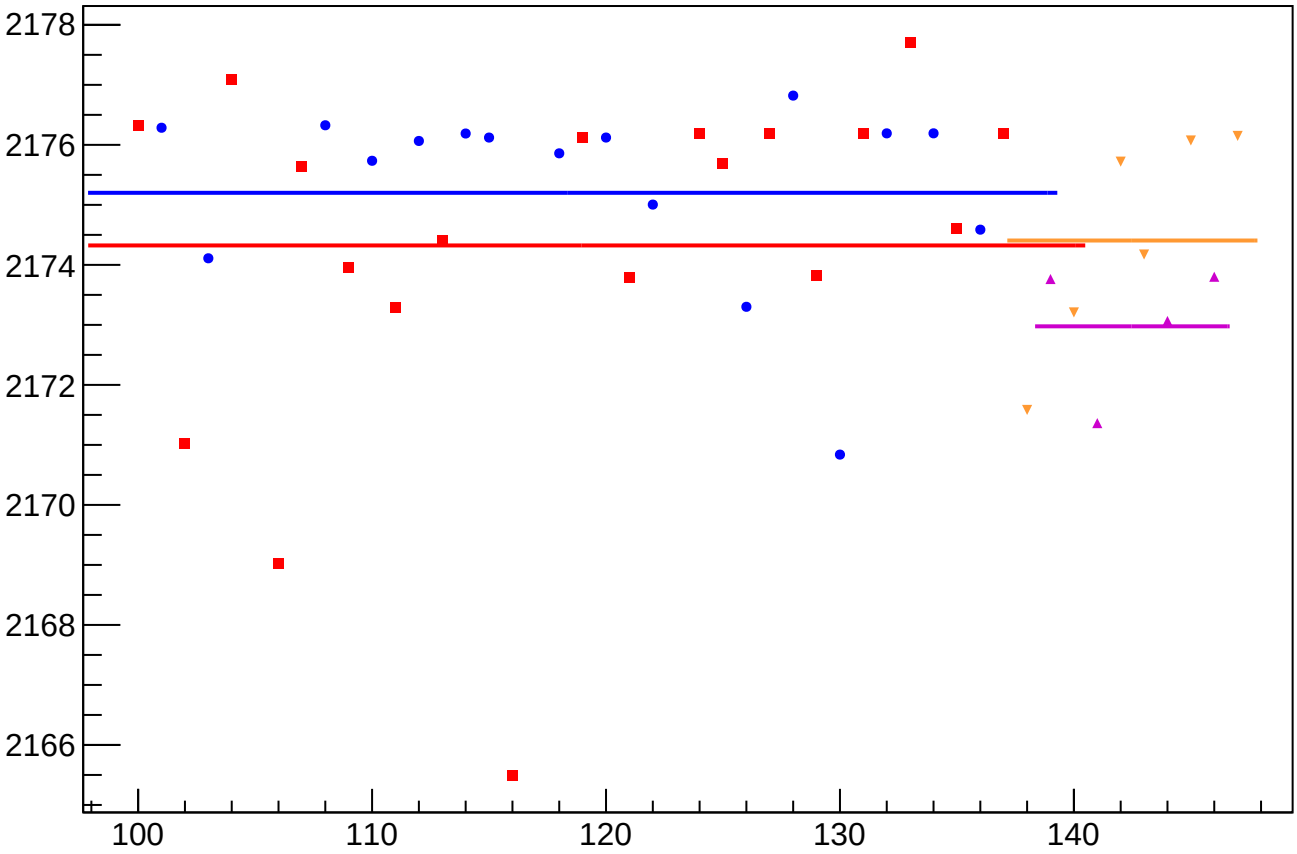
Left In: -0.001+/-0.000 χ^2/NDF:5.9/3

+ sign -0.001+/-0.000 χ^2/NDF: 122.9/20

All: -0.001+/-0.000 χ^2/NDF: 277.8/42

- sign -0.001+/-0.000 χ^2/NDF: 153.6/21

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.406+/-0.000 χ^2/NDF:135364063319067307036650378782310 4.0/5

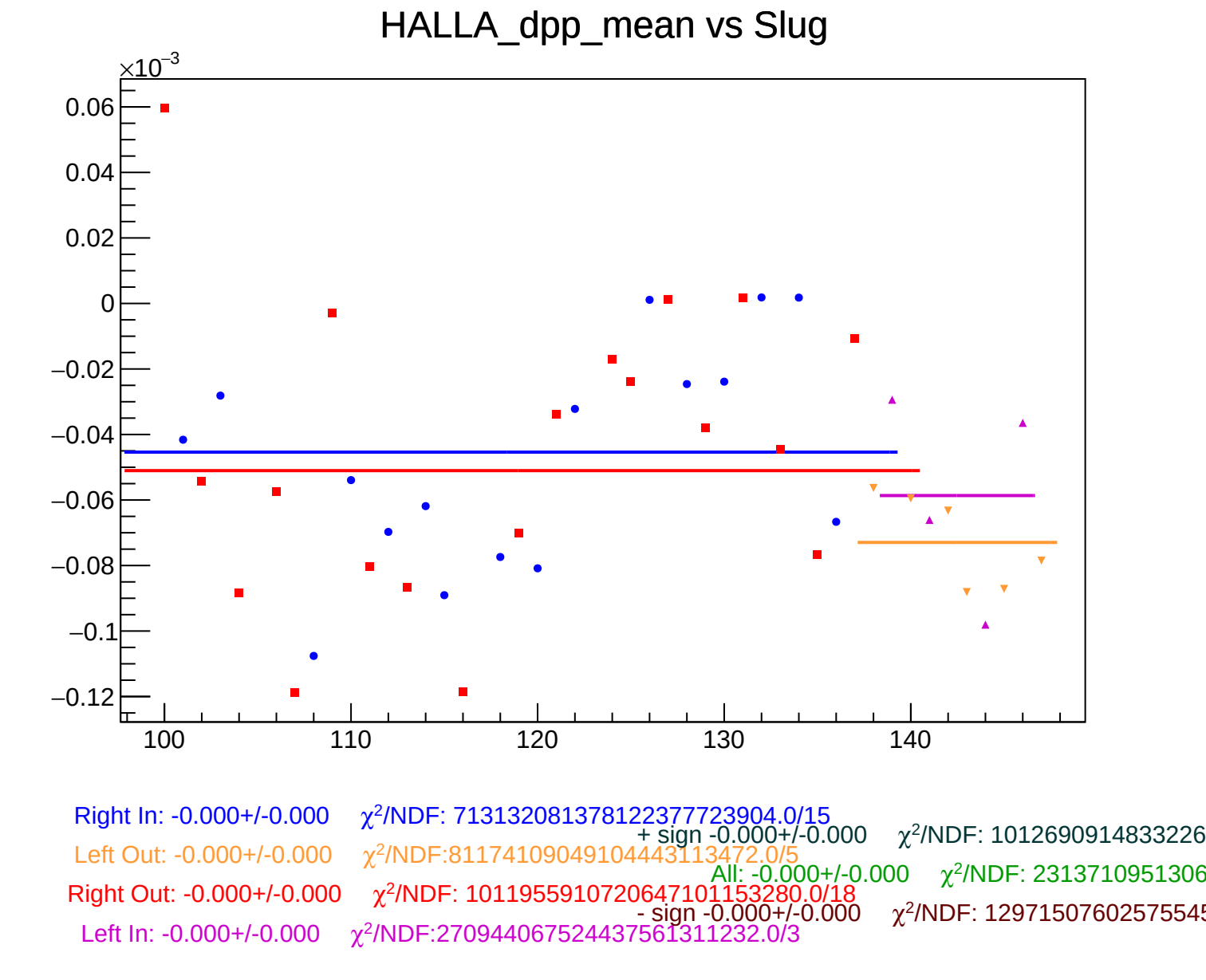
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2172.976+/-0.000 χ^2/NDF:357047579052365978236990466818048.0/3

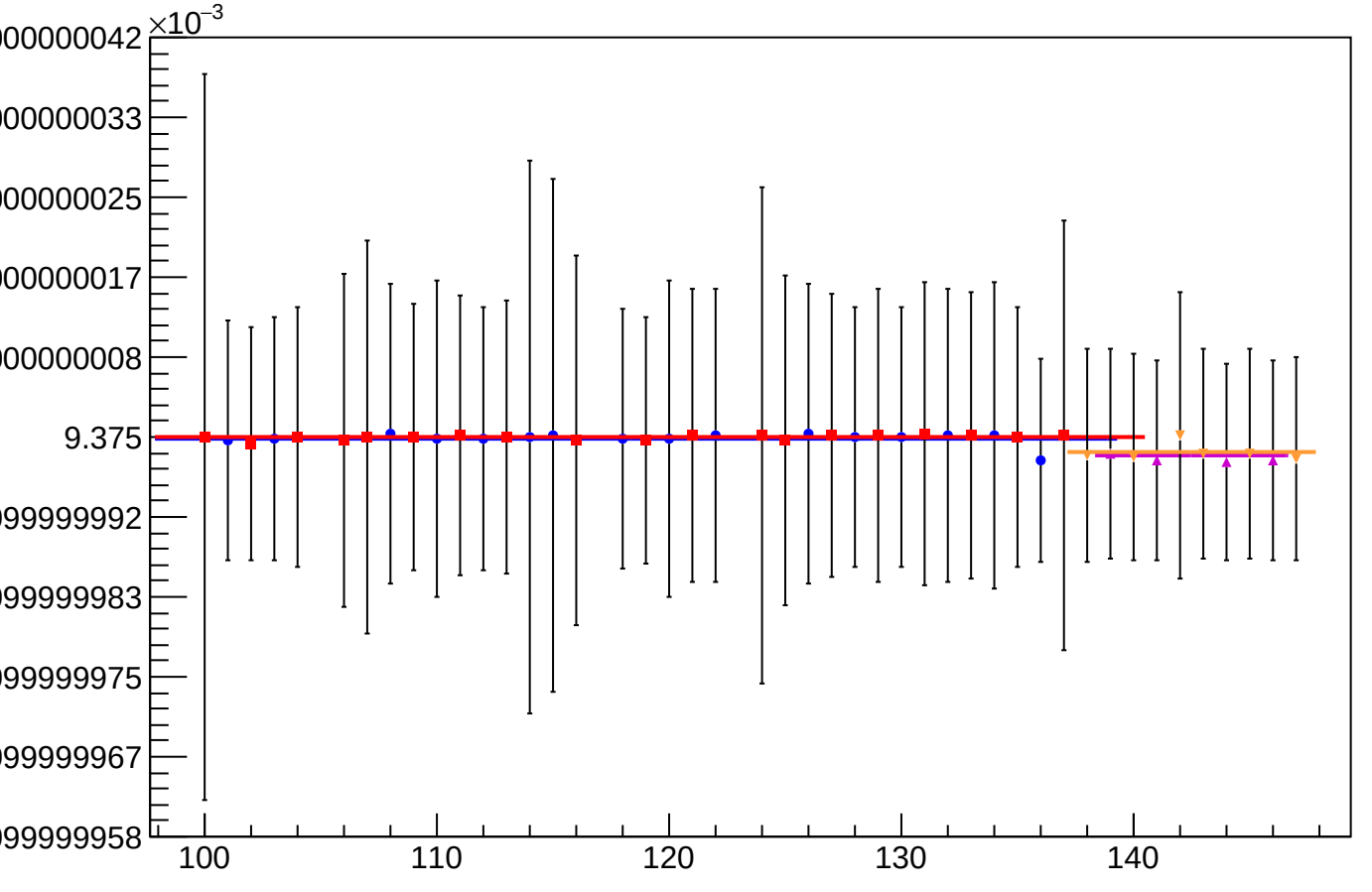
+ sign 2174.893+/-0.000 χ^2/NDF: 3300853051466

All: 2174.409+/-0.000 χ^2/NDF: 102364971

- sign 2173.889+/-0.000 χ^2/NDF: 6347050339699


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
+ sign -0.000+/-0.000 χ²/NDF: 1012690914833226
Left Out: -0.000+/-0.000 χ²/NDF:8117410904910444311347 2.0/5
All: -0.000+/-0.000 χ²/NDF: 2313710951306
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
- sign -0.000+/-0.000 χ²/NDF: 1297150760257554
Left In: -0.000+/-0.000 χ²/NDF:2709440675244375613112 32.0/3

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

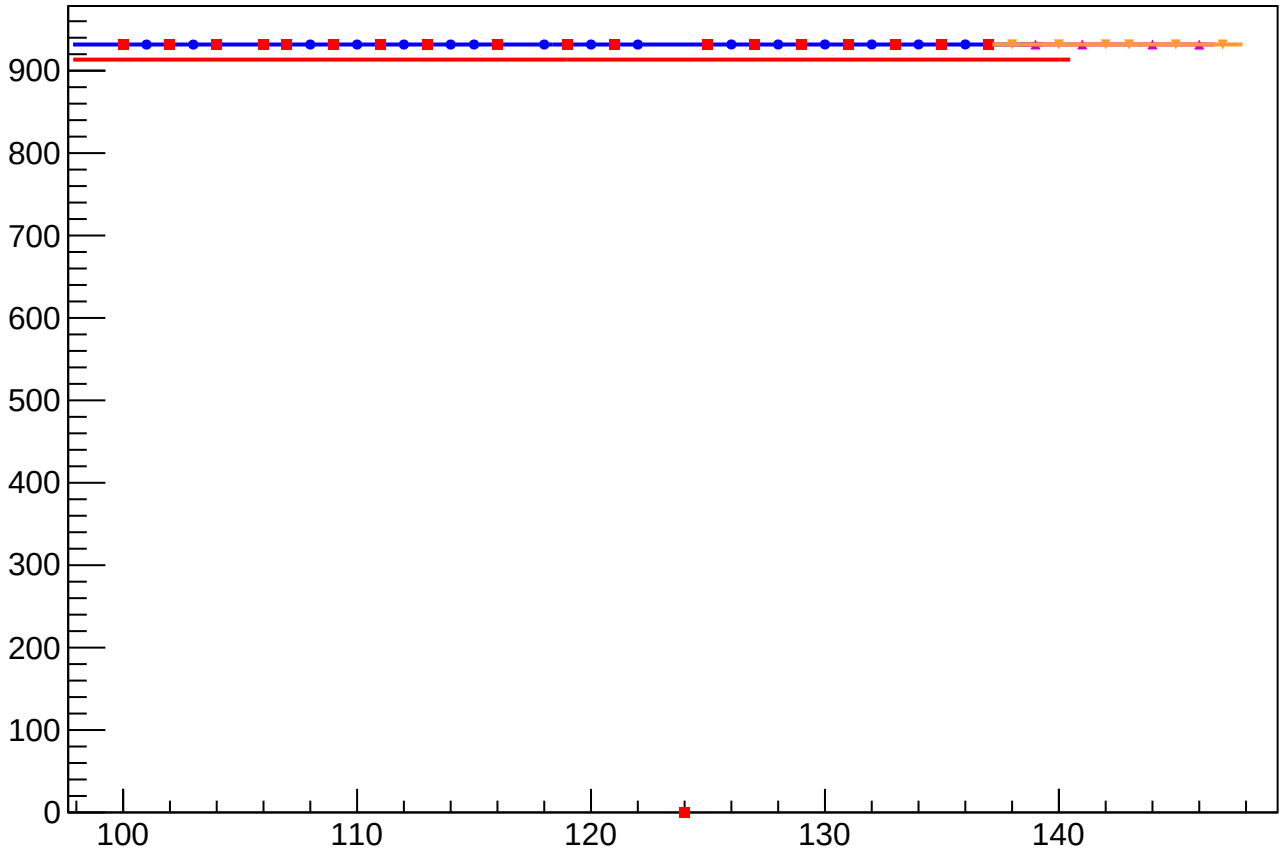
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.796+/-0.000 χ^2/NDF: 570416071278428

Left Out: 931.838+/-0.000 χ^2/NDF:1592086299249670476213447032832.0/5

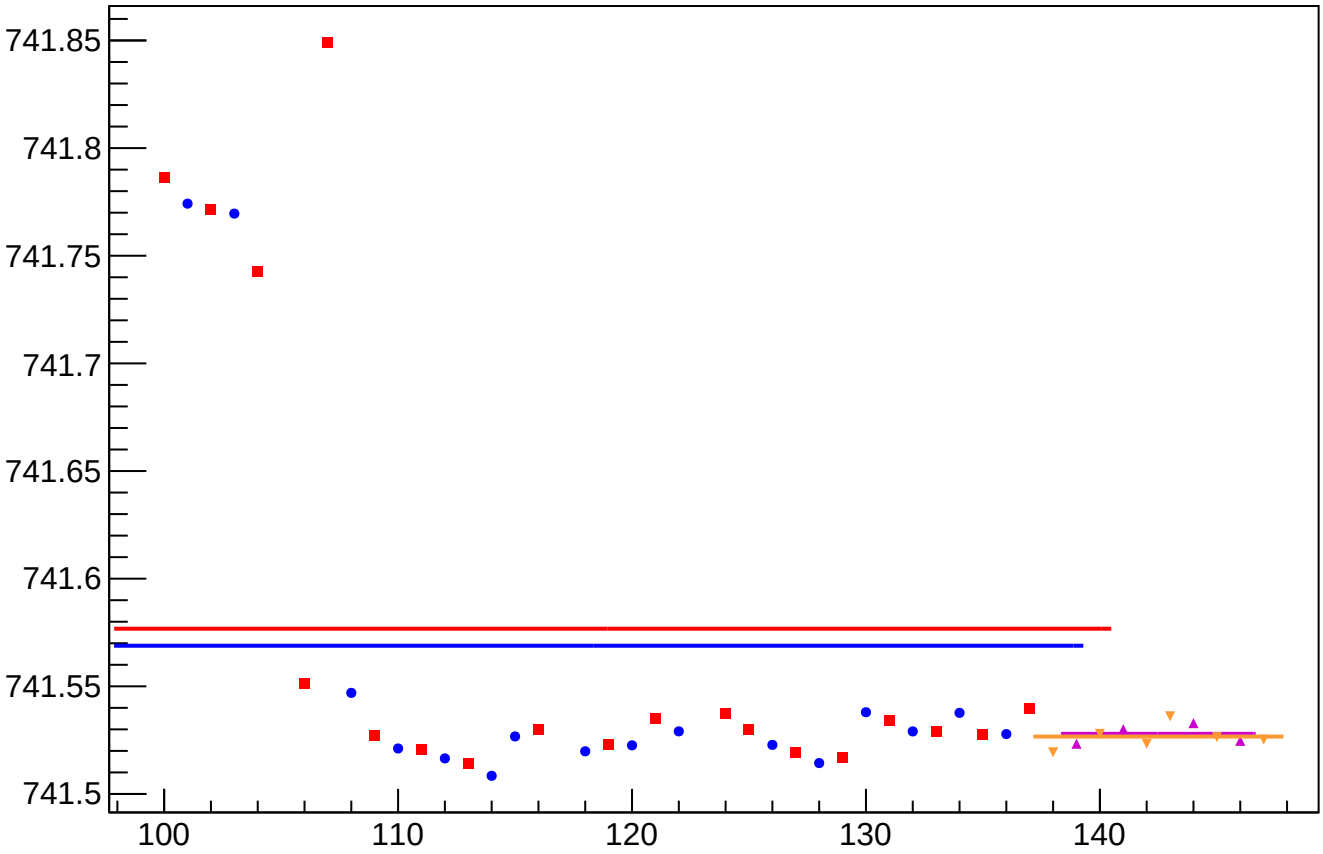
All: 925.812+/-0.000 χ^2/NDF: 12939091027

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 919.387+/-0.000 χ^2/NDF: 128492421337928

Left In: 931.839+/-0.000 χ^2/NDF:1009492841308527492981571190784.0/3

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:126164250705466318065279959 04.0/5

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

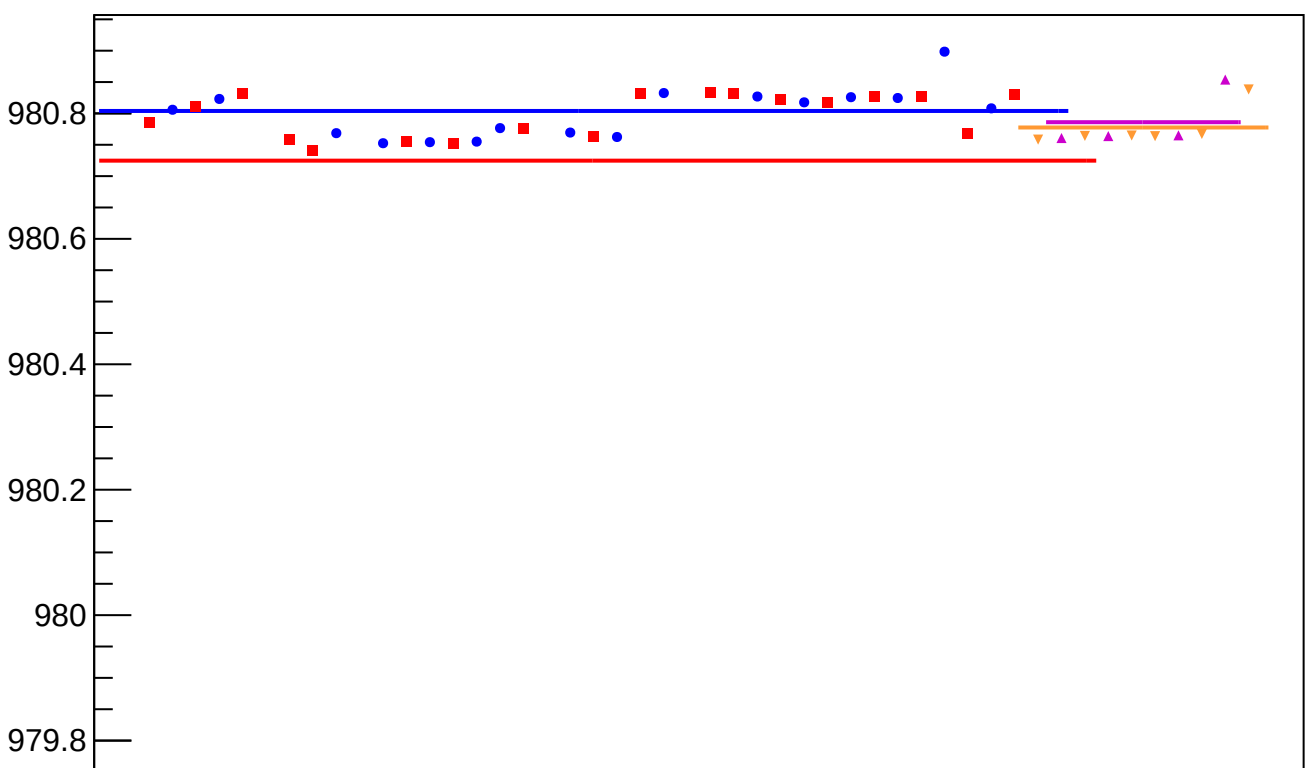
Left In: 741.528+/-0.000 χ^2/NDF:553424996518344192774950092 8.0/3

+ sign 741.553+/-0.000 χ^2/NDF: 695693820590339

All: 741.557+/-0.000 χ^2/NDF: 152845172819

- sign 741.561+/-0.000 χ^2/NDF: 828558775545036

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.778+/-0.000 χ^2/NDF:4020790757658469617249550336000/5

Right Out: 980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592.0/18

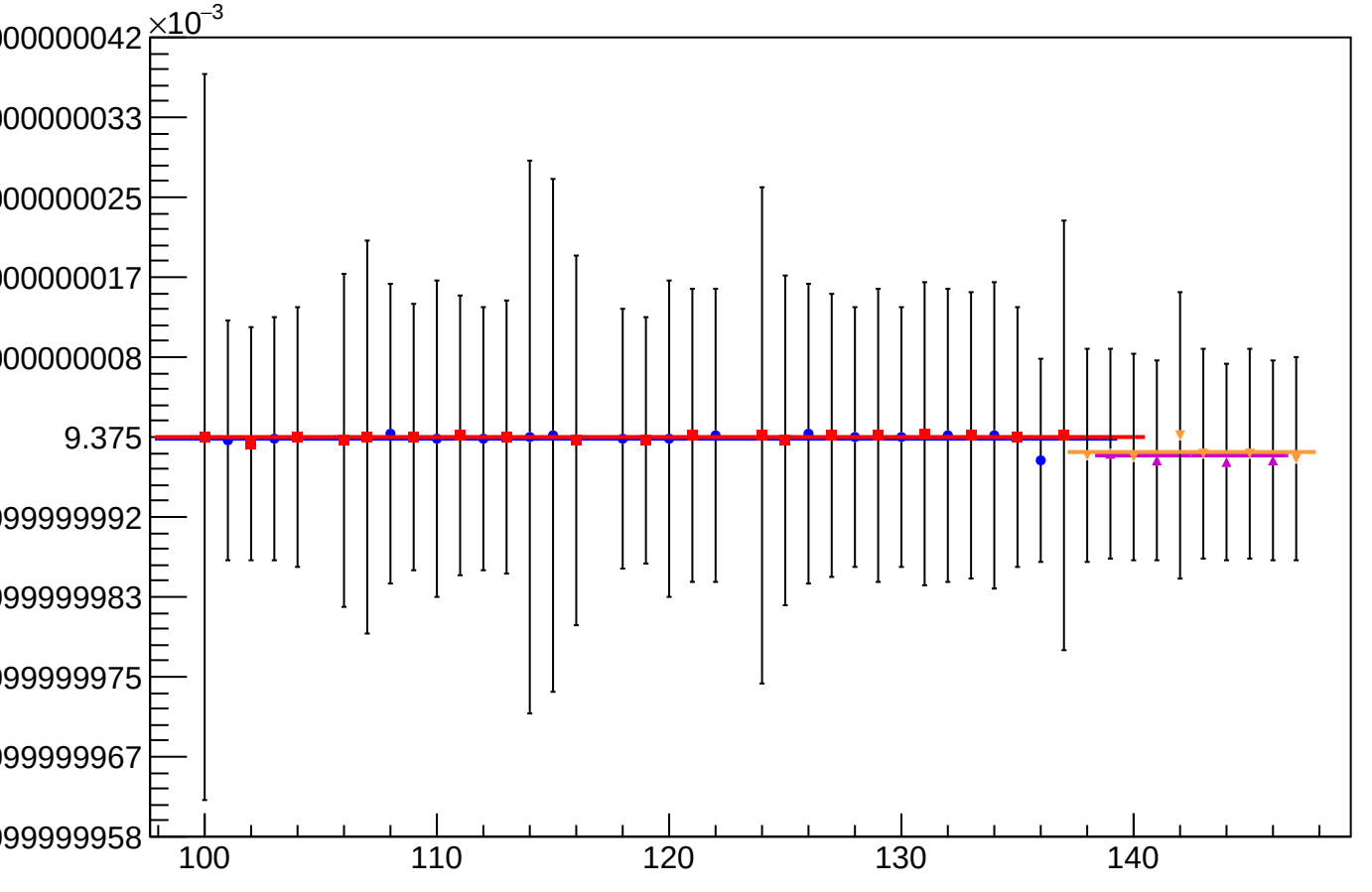
Left In: 980.786+/-0.000 χ^2/NDF:56144402859928036489663663308 8.0/3

+ sign 980.794+/-0.000 χ^2/NDF: 153497017042653

All: 980.770+/-0.000 χ^2/NDF: 60475414447

- sign 980.744+/-0.000 χ^2/NDF: 575279072466142

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

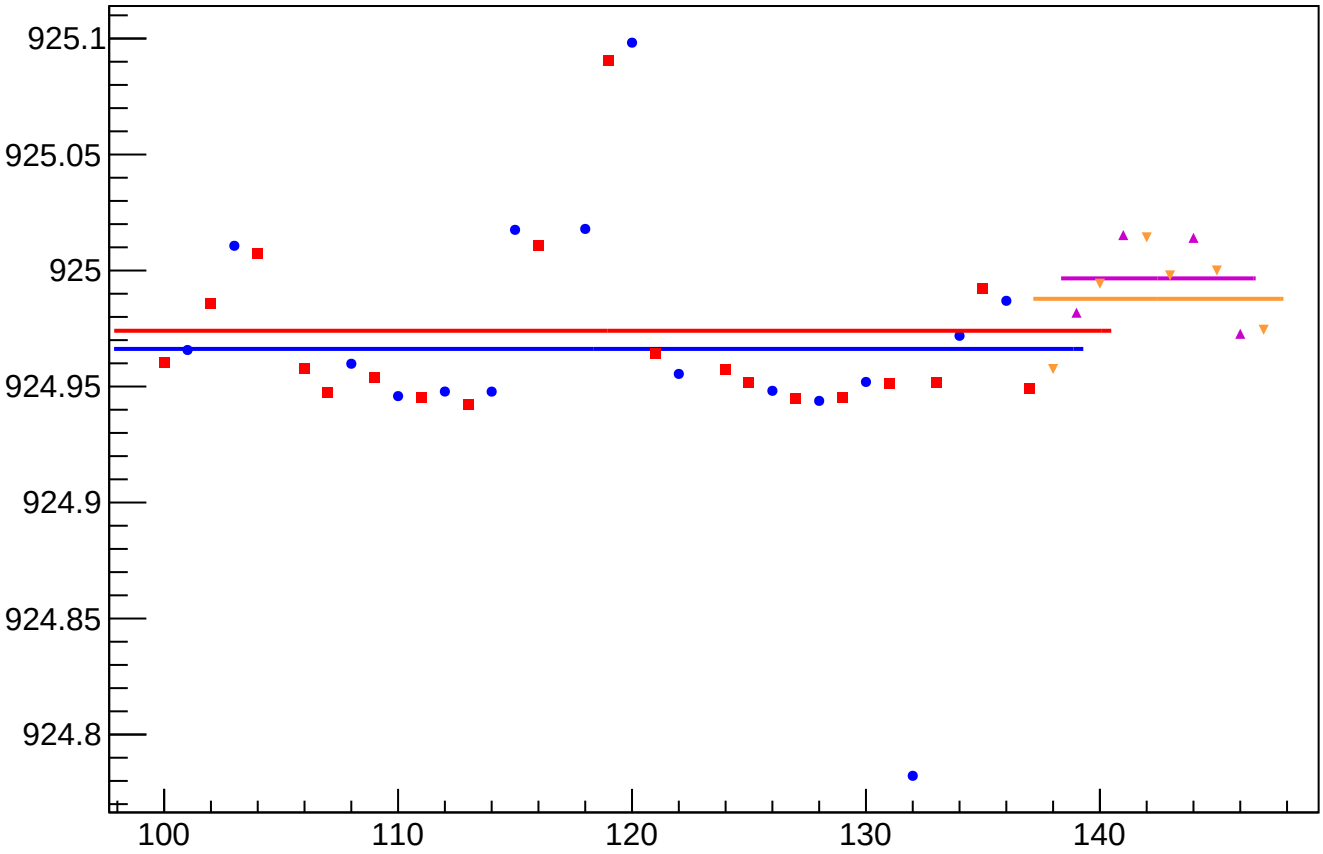
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

+ sign 924.975+/-0.000 χ^2/NDF: 282462045156242

Left Out: 924.988+/-0.000 χ^2/NDF:1462335470787013657734257049600.0/5

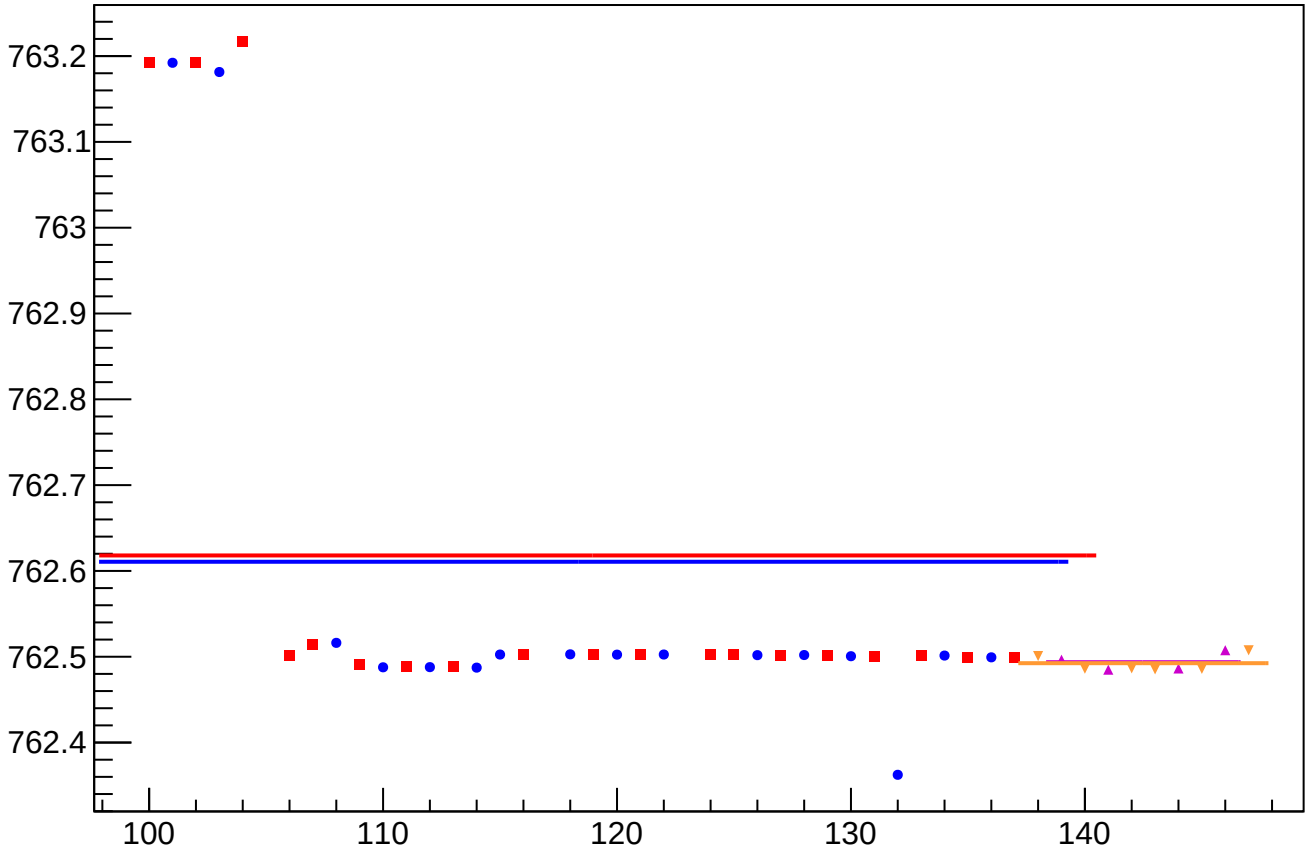
All: 924.978+/-0.000 χ^2/NDF: 435069850567

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

- sign 924.981+/-0.000 χ^2/NDF: 149951878118081

Left In: 924.997+/-0.000 χ^2/NDF:131964028886600929942647603200.0/3

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.492+/-0.000 χ^2/NDF:3878903067085506292921611059 2.0/5

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

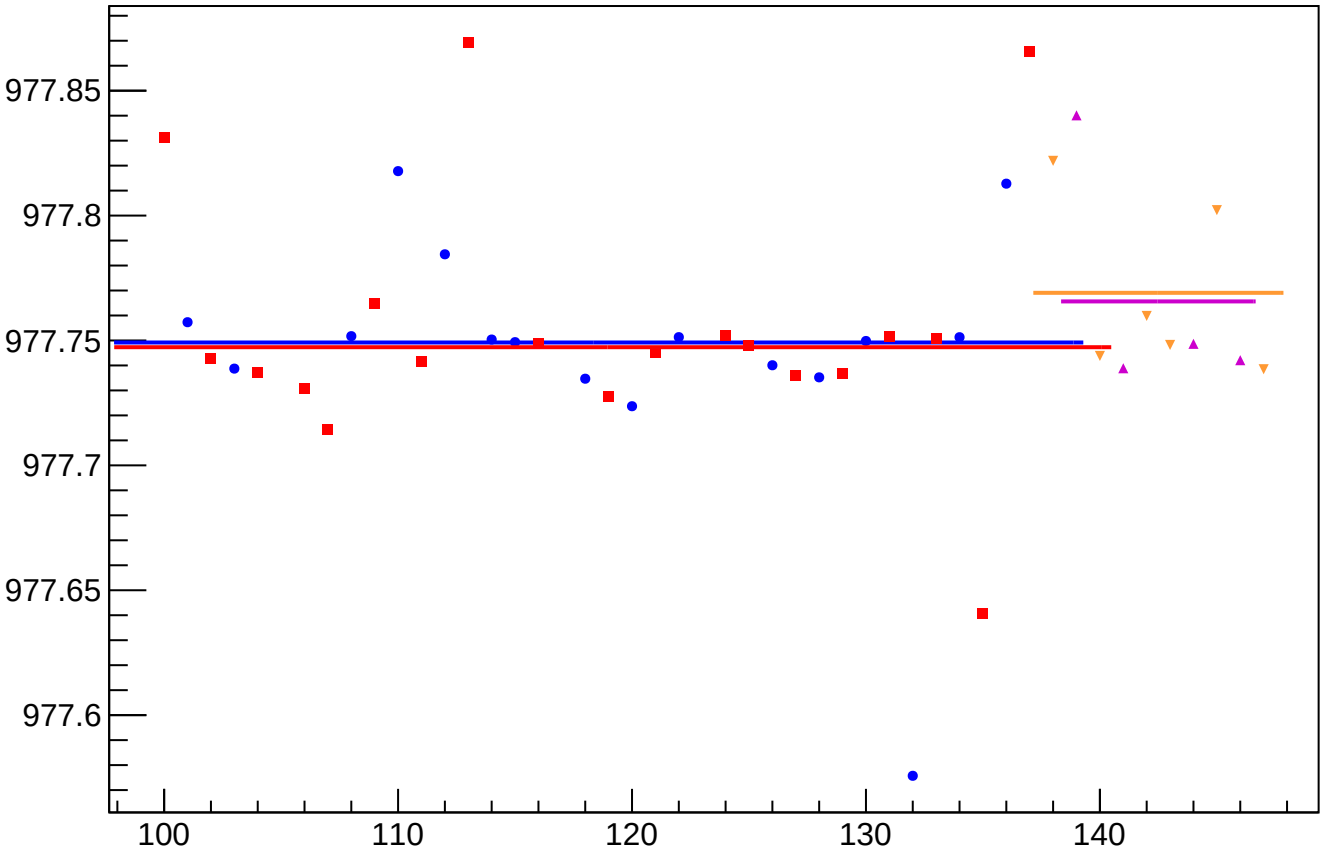
Left In: 762.494+/-0.000 χ^2/NDF:30663804989107101177051348992.0/3

+ sign 762.565+/-0.000 χ^2/NDF: 562131992352139

All: 762.571+/-0.000 χ^2/NDF: 113289135657

- sign 762.578+/-0.000 χ^2/NDF: 569774603947590

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.769+/-0.000 χ^2/NDF:4964323471918053326195366297600.0/5

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

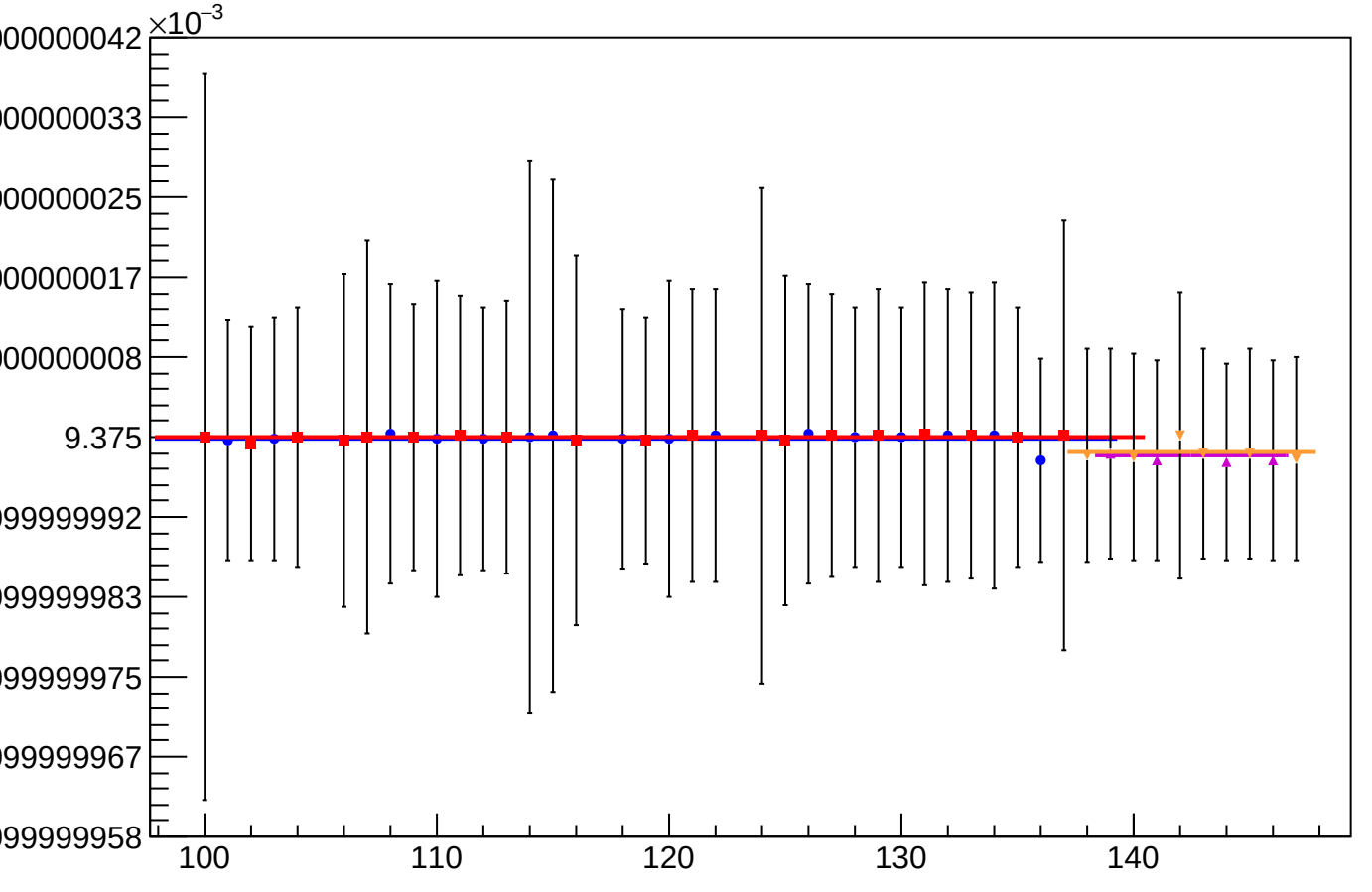
Left In: 977.766+/-0.000 χ^2/NDF:610823781116194130728925003776.0/3

+ sign 977.757+/-0.000 χ^2/NDF: 256958228035023

All: 977.755+/-0.000 χ^2/NDF: 505331739003

- sign 977.753+/-0.000 χ^2/NDF: 247585094792544

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

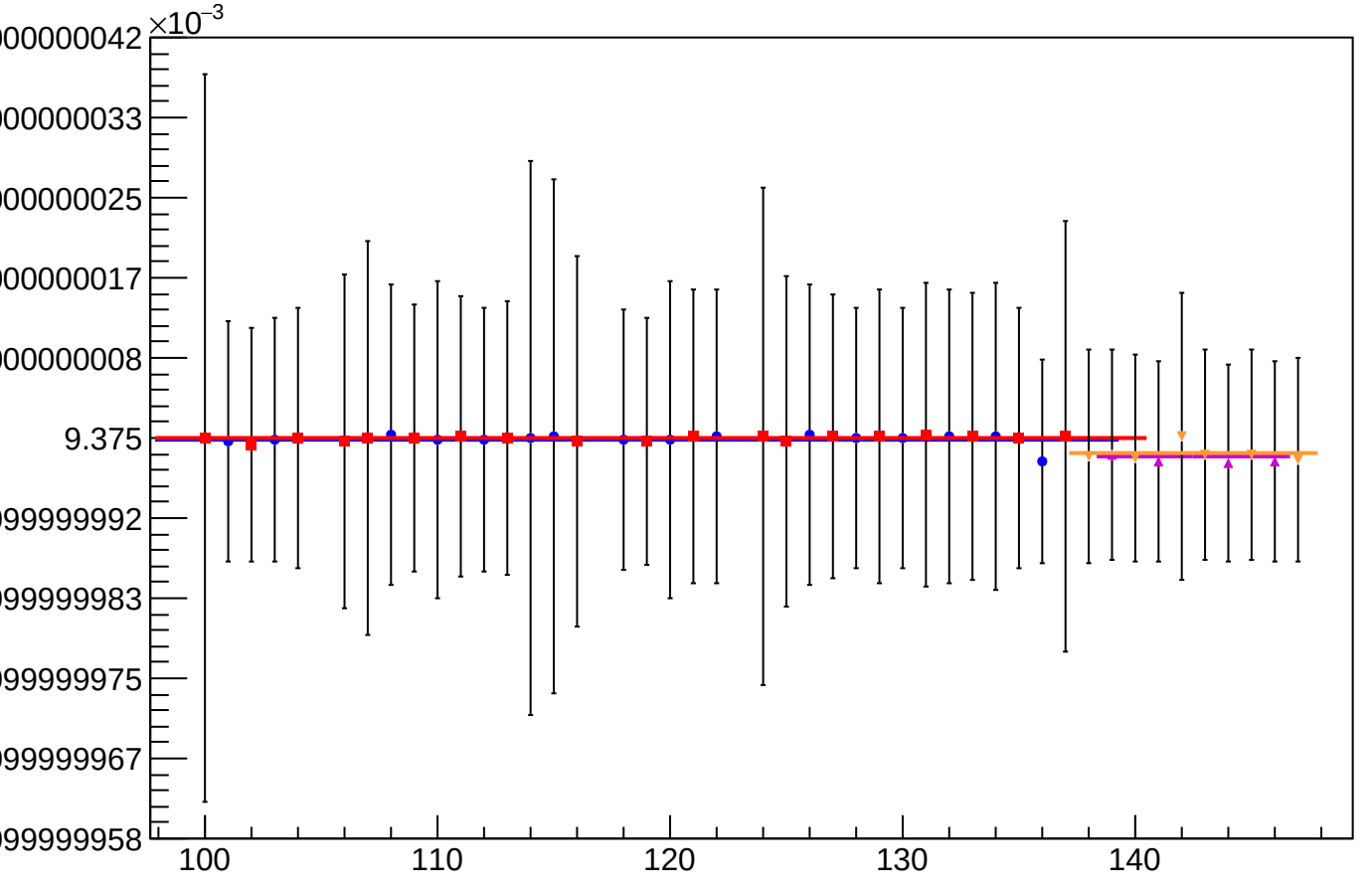
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

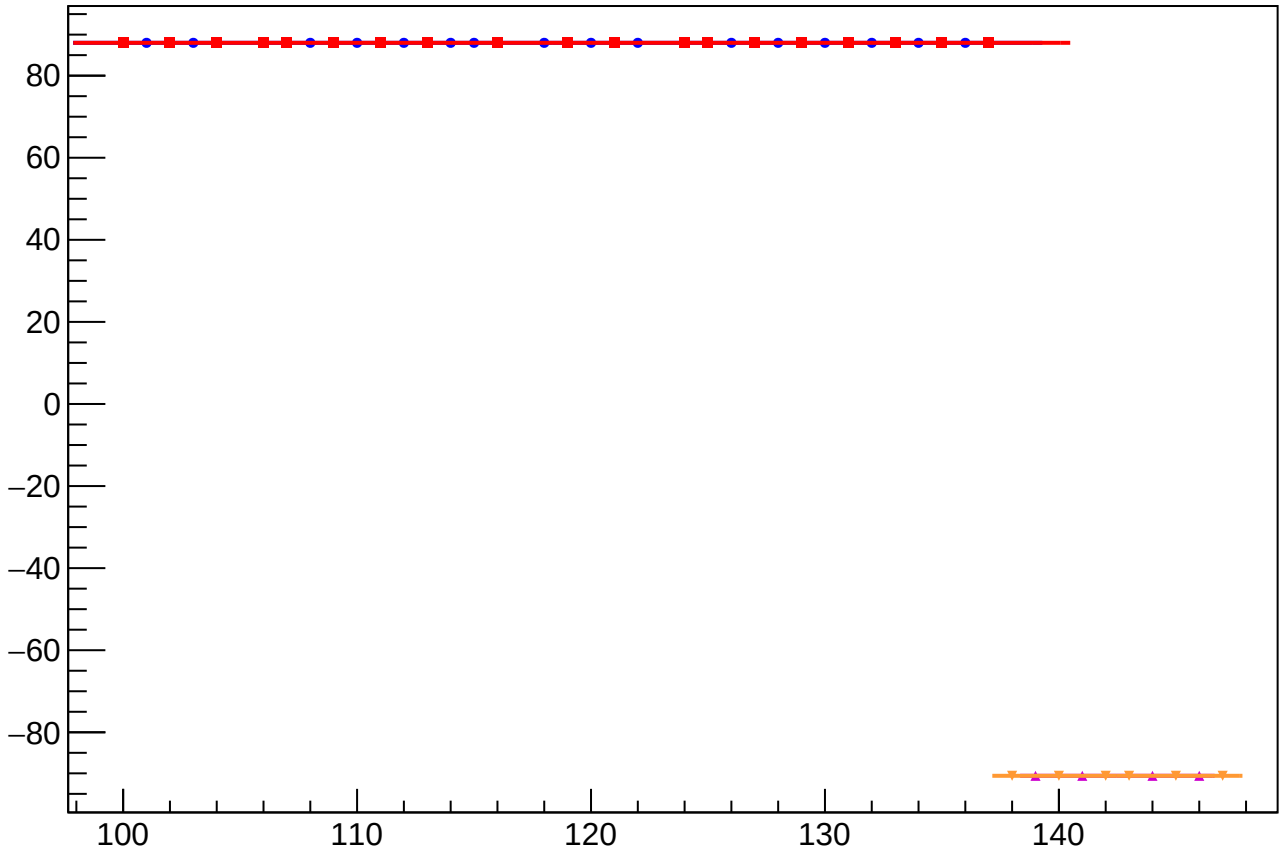
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:2811323.6/5

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

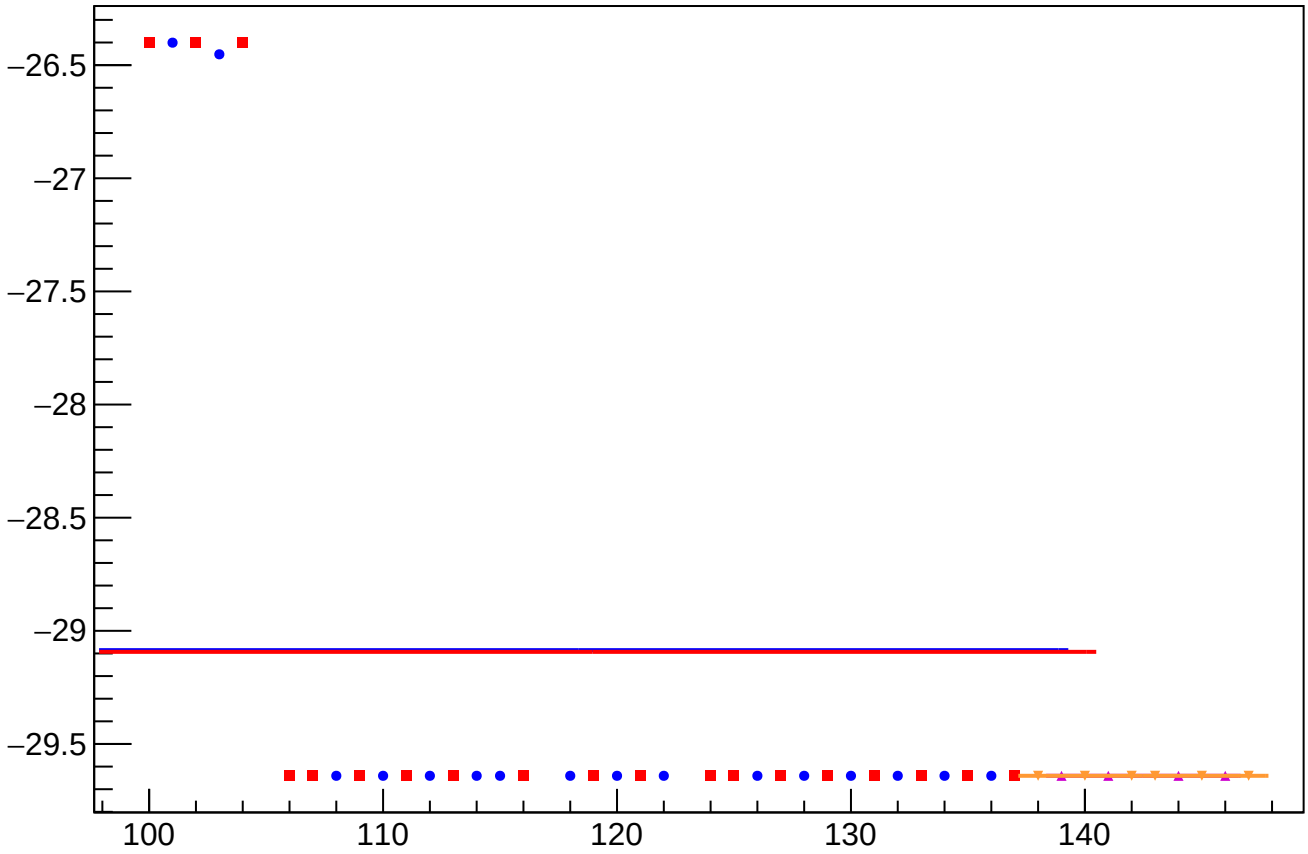
Left In: -90.599+/-0.000 χ^2/NDF:964707.5/3

+ sign 18.775+/-0.000 χ^2/NDF: 9161542265157014

All: 24.341+/-0.000 χ^2/NDF: 1710029910338

- sign 30.318+/-0.000 χ^2/NDF: 7861004904404946

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:153442.9/5

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

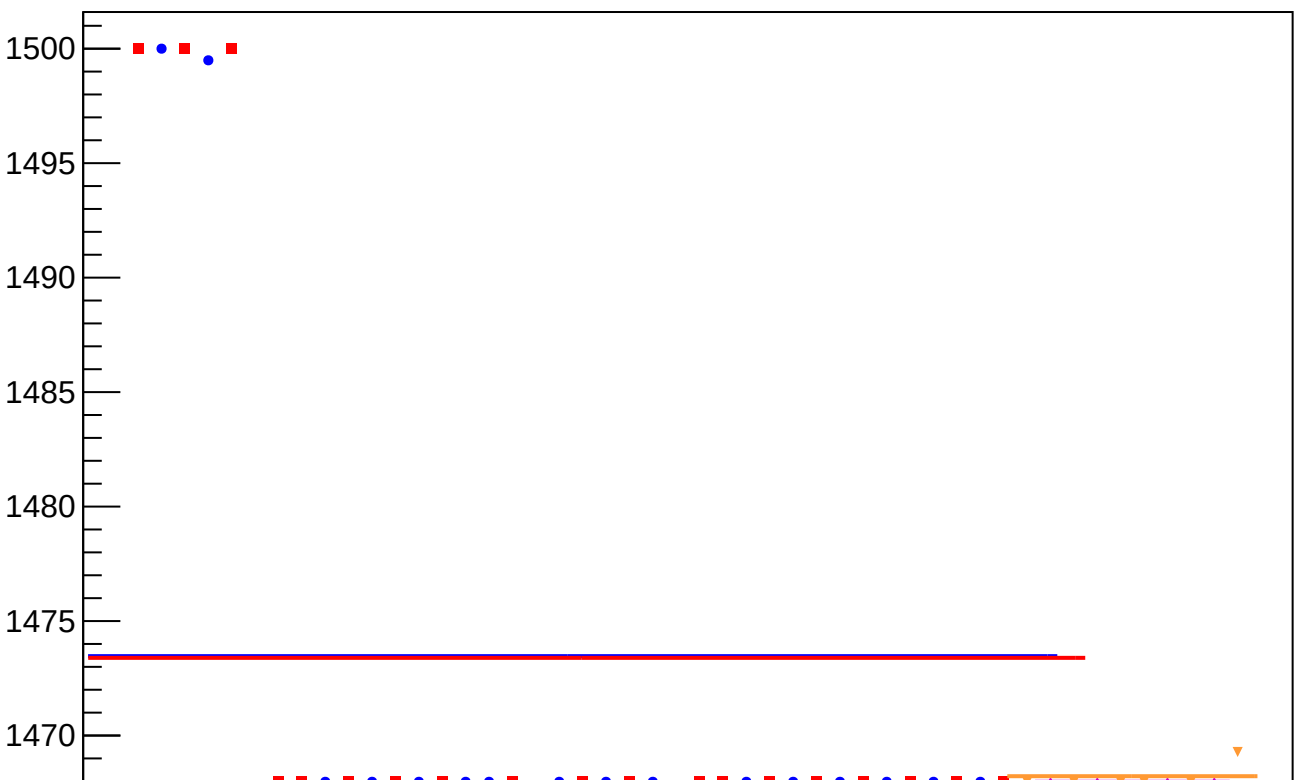
Left In: -29.641+/-0.000 χ^2/NDF:36514.8/3

+ sign -29.301+/-0.000 χ^2/NDF: 118293382328217

All: -29.286+/-0.000 χ^2/NDF: 238267263730

- sign -29.270+/-0.000 χ^2/NDF: 119918546512866

psub_pl_pos_mean vs Slug



Right In: 1473.467+/-0.000 χ^2/NDF: 106894194860706176878485793704771584.0/15

+ sign 1471.435+/-0.000 χ^2/NDF: 1149131158386

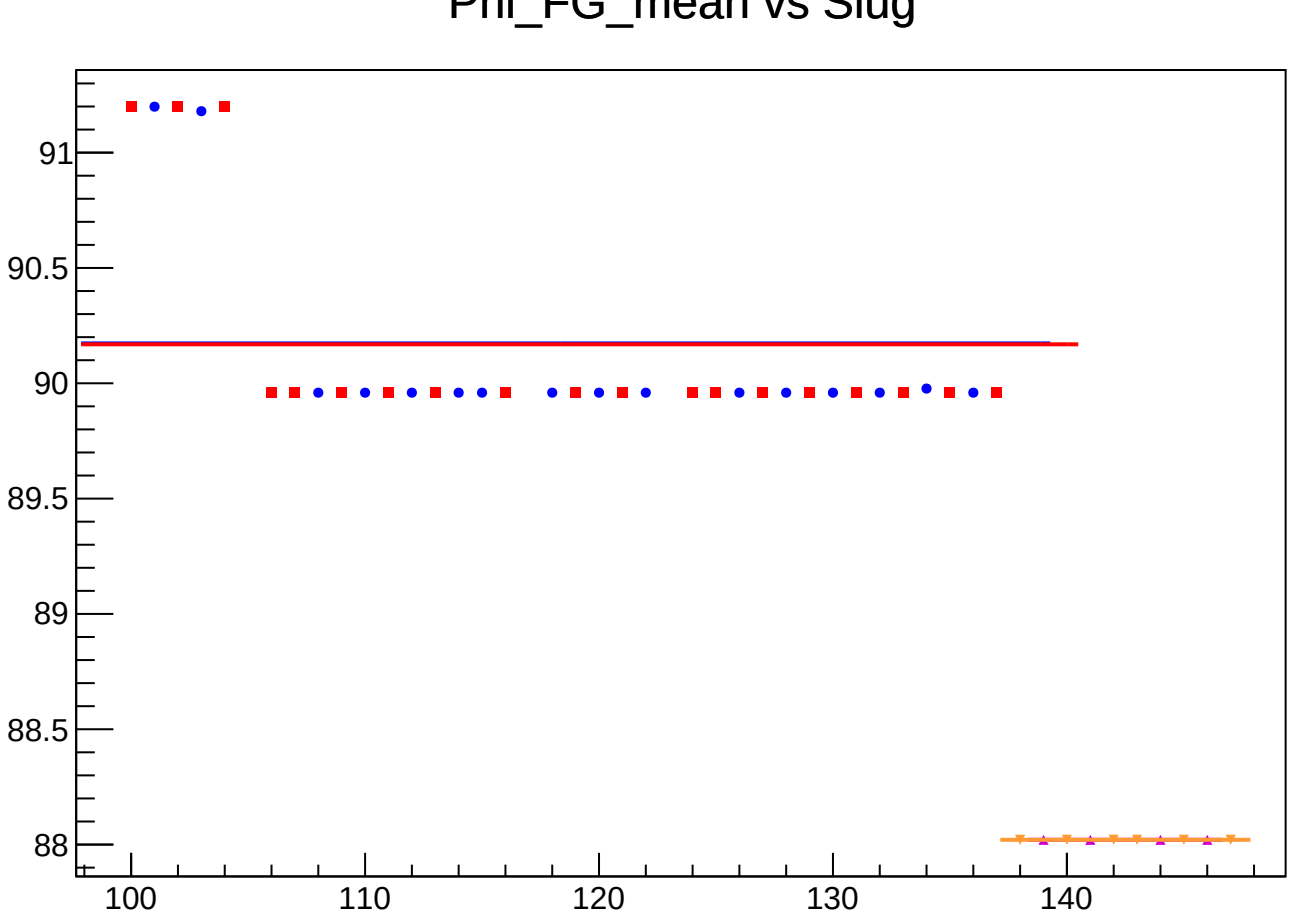
Left Out: 1468.224+/-0.000 χ^2/NDF:12122145171357915976854082578022 4.0/5

All: 1471.536+/-0.000 χ^2/NDF: 232071186

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

- sign 1471.645+/-0.000 χ^2/NDF: 11713242549522

Left In: 1467.979+/-0.000 χ^2/NDF:85768289.8/3



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2382183.2/5

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

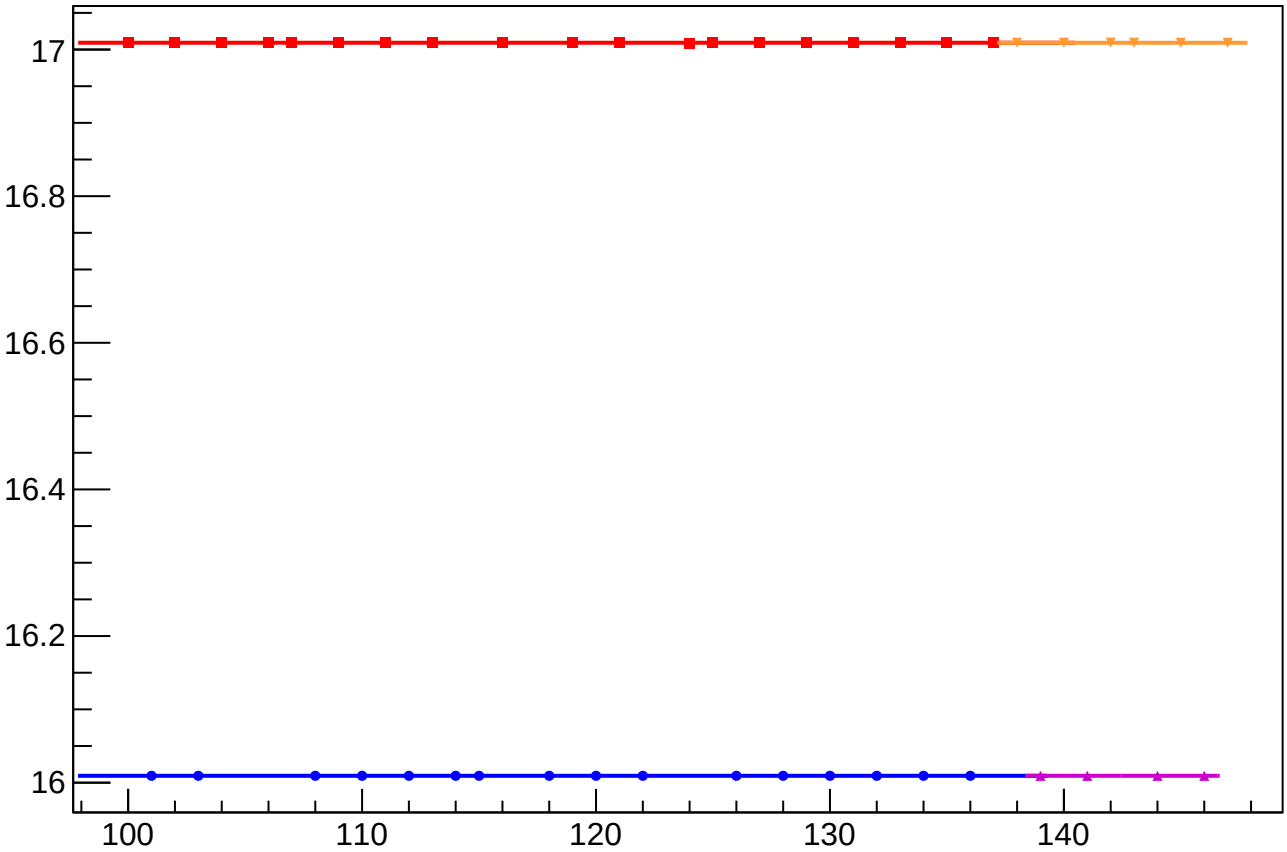
Left In: 88.021+/-0.000 χ^2/NDF:644619.3/3

+ sign 89.339+/-0.000 χ^2/NDF: 1490195355259021

All: 89.404+/-0.000 χ^2/NDF: 2803161363846

- sign 89.475+/-0.000 χ^2/NDF: 1302095808829672

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:98221272855485976097587 2.0/5

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

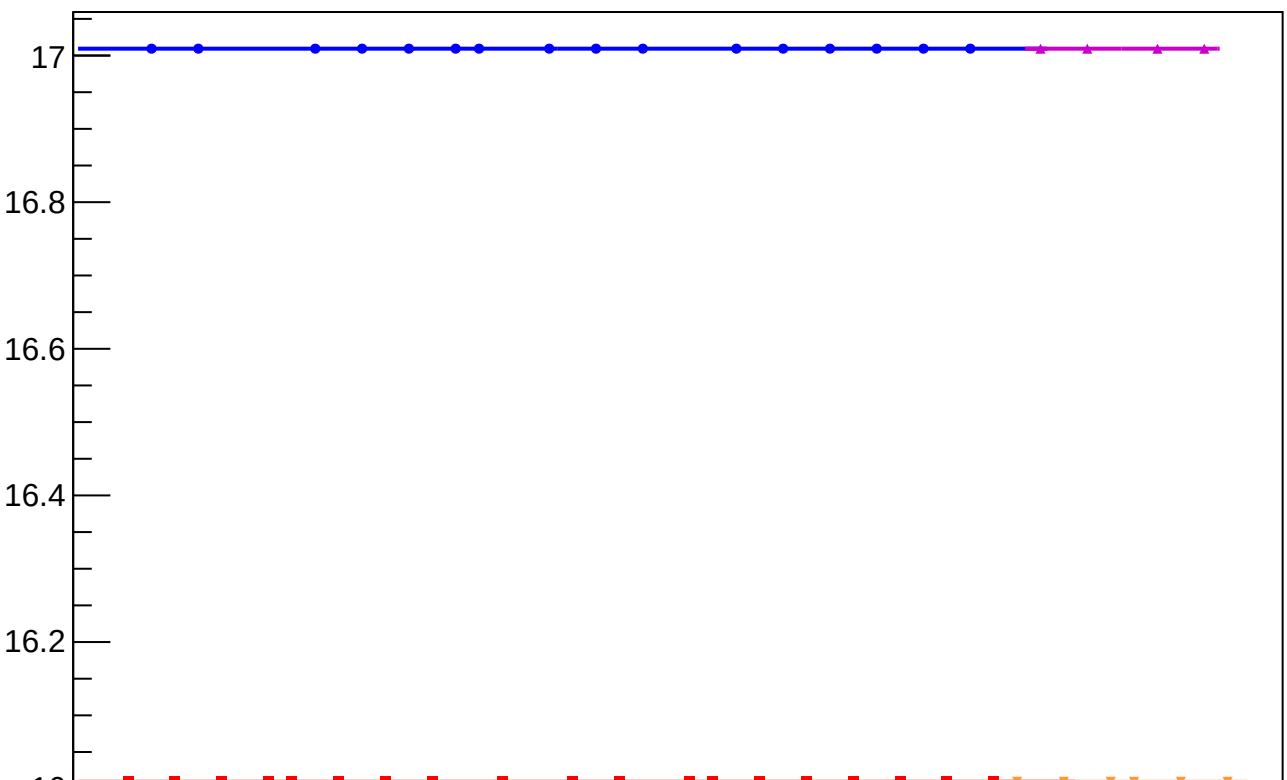
Left In: 16.009+/-0.000 χ^2/NDF:45741.3/3

+ sign 16.384+/-0.000 χ^2/NDF: 2631034949598467

All: 16.526+/-0.000 χ^2/NDF: 5388189797644

- sign 16.679+/-0.000 χ^2/NDF: 2289500157415594

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:40642.1/5

Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

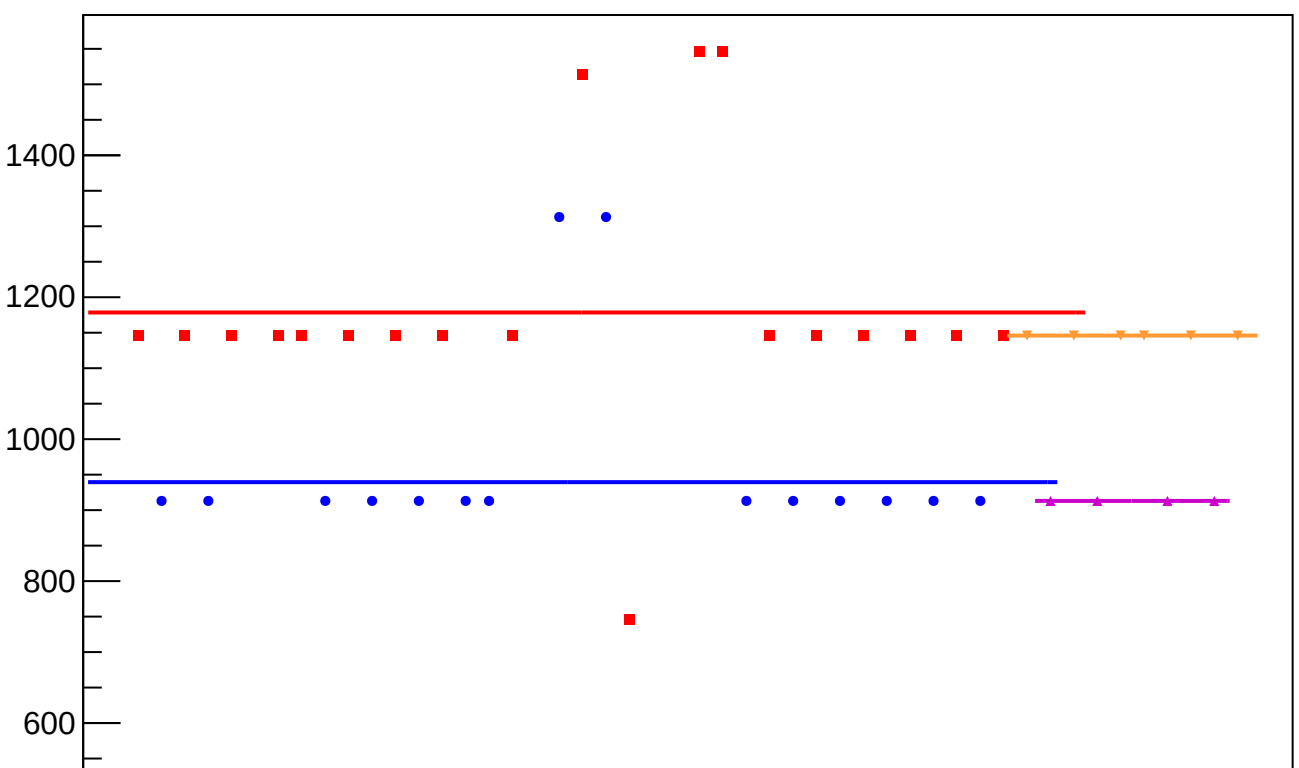
Left In: 17.009+/-0.000 χ^2/NDF:15196.6/3

+ sign 16.615+/-0.000 χ^2/NDF: 2786803770351310

All: 16.477+/-0.000 χ^2/NDF: 5701087336244

- sign 16.334+/-0.000 χ^2/NDF: 2460160284950820

RTPAPOSUCNT_mean vs Slug



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1019.511+/-0.000 χ^2/NDF: 3333810420032

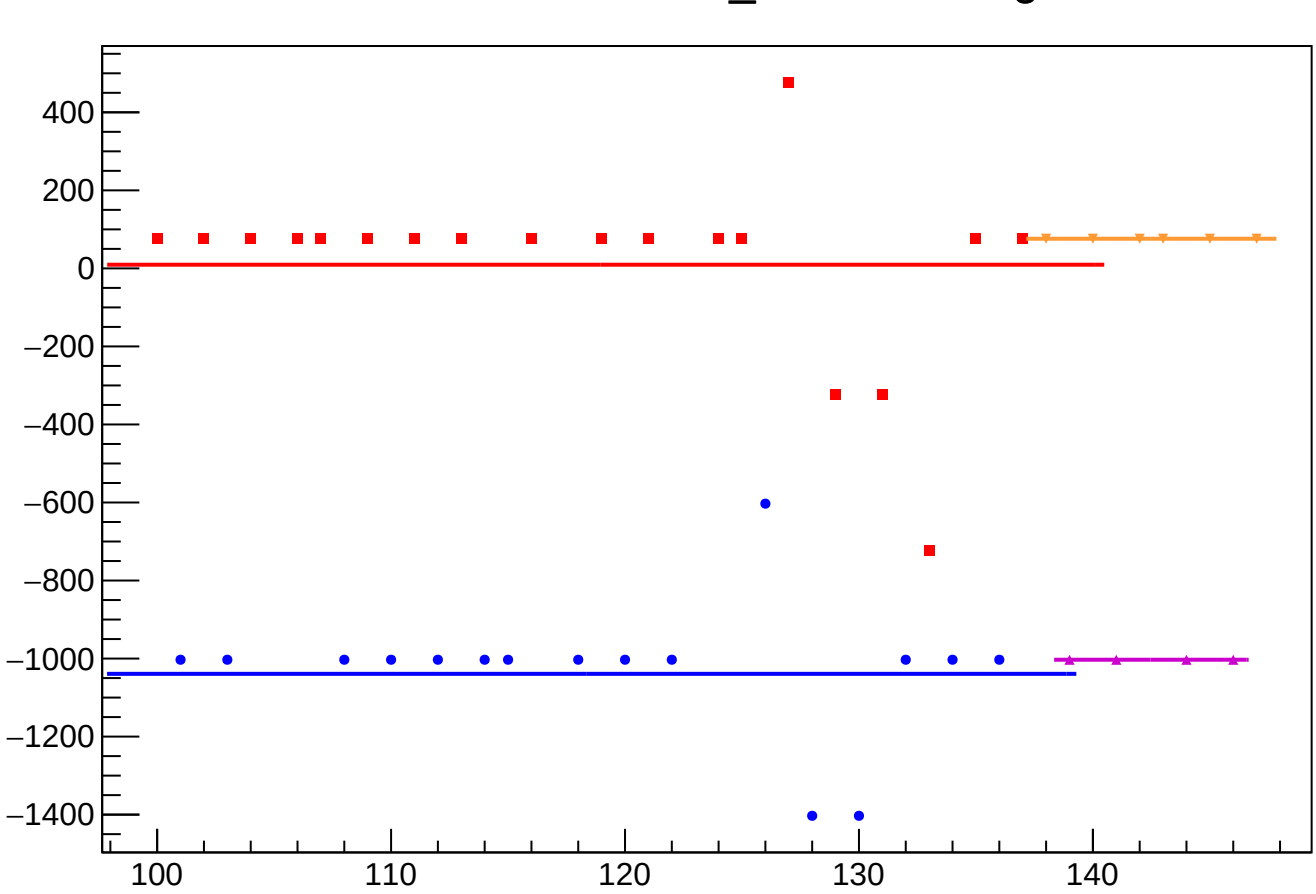
Left Out: 1146.011+/-0.000 χ^2/NDF:17468168921502164943235973120.0/5

All: 1054.833+/-0.000 χ^2/NDF: 759824358

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1092.756+/-0.000 χ^2/NDF: 39513952389843

Left In: 912.994+/-0.000 χ^2/NDF:71380336221356085177063833600/3



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -606.914+/-0.000 χ^2/NDF: 38004930558585

Left Out: 76.011+/-0.000 χ^2/NDF:2511806220405605798112133120.0/5

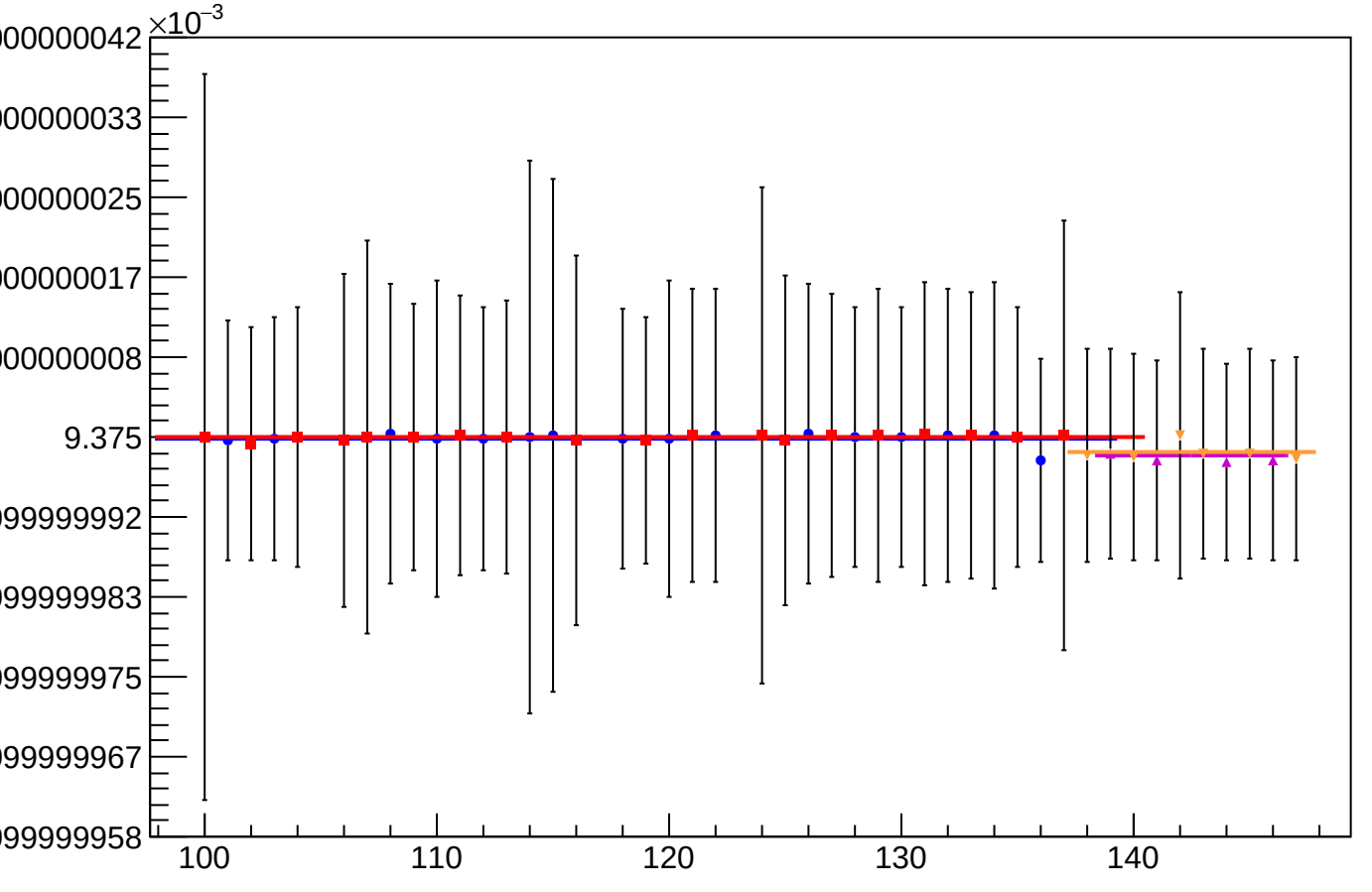
All: -467.377+/-0.000 χ^2/NDF: 72755470942

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -317.563+/-0.000 χ^2/NDF: 298651242192403

Left In: -1002.989+/-0.000 χ^2/NDF:5965619856732749211547729920/3

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

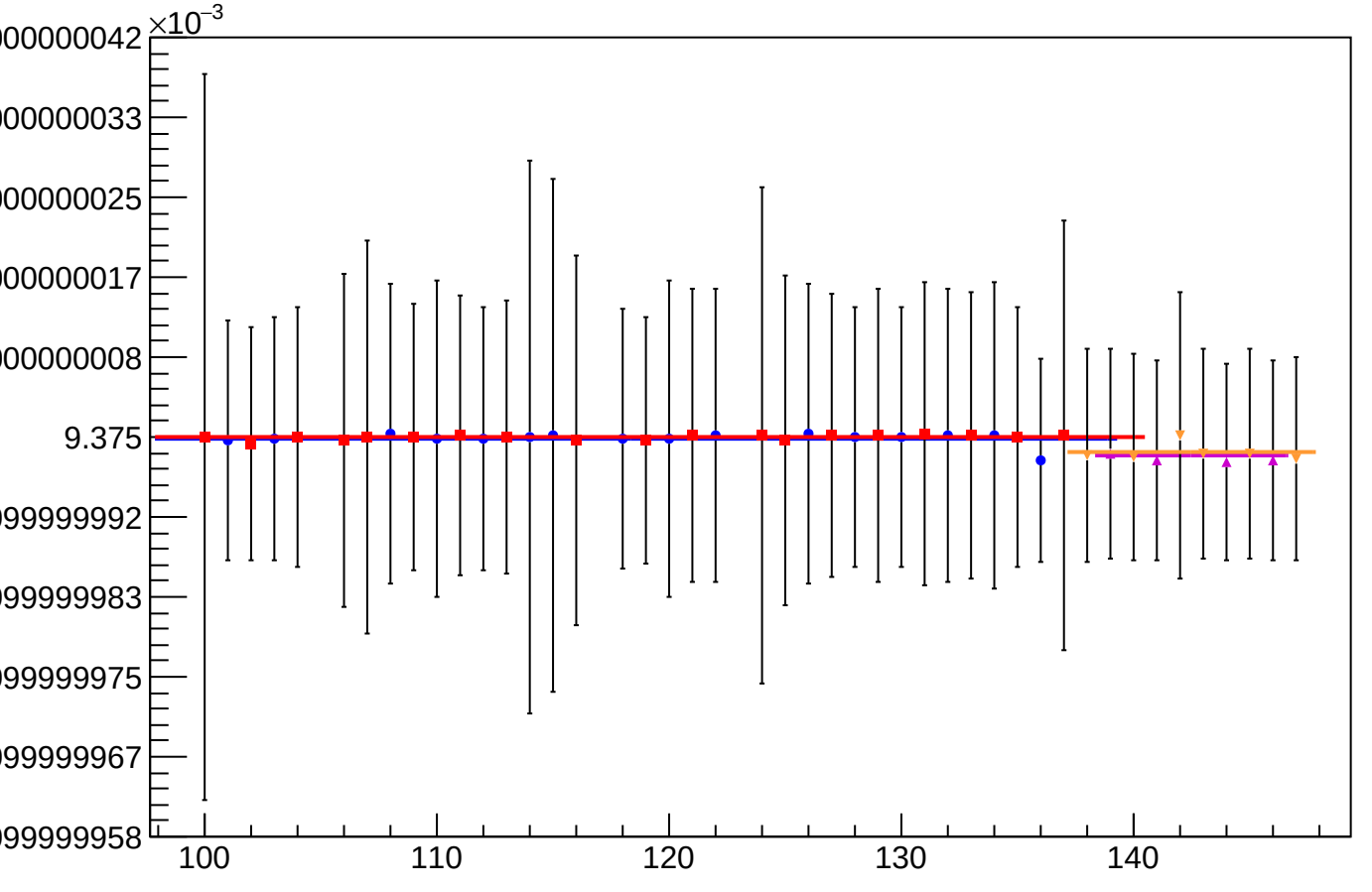
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:0.0/5

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/44

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22