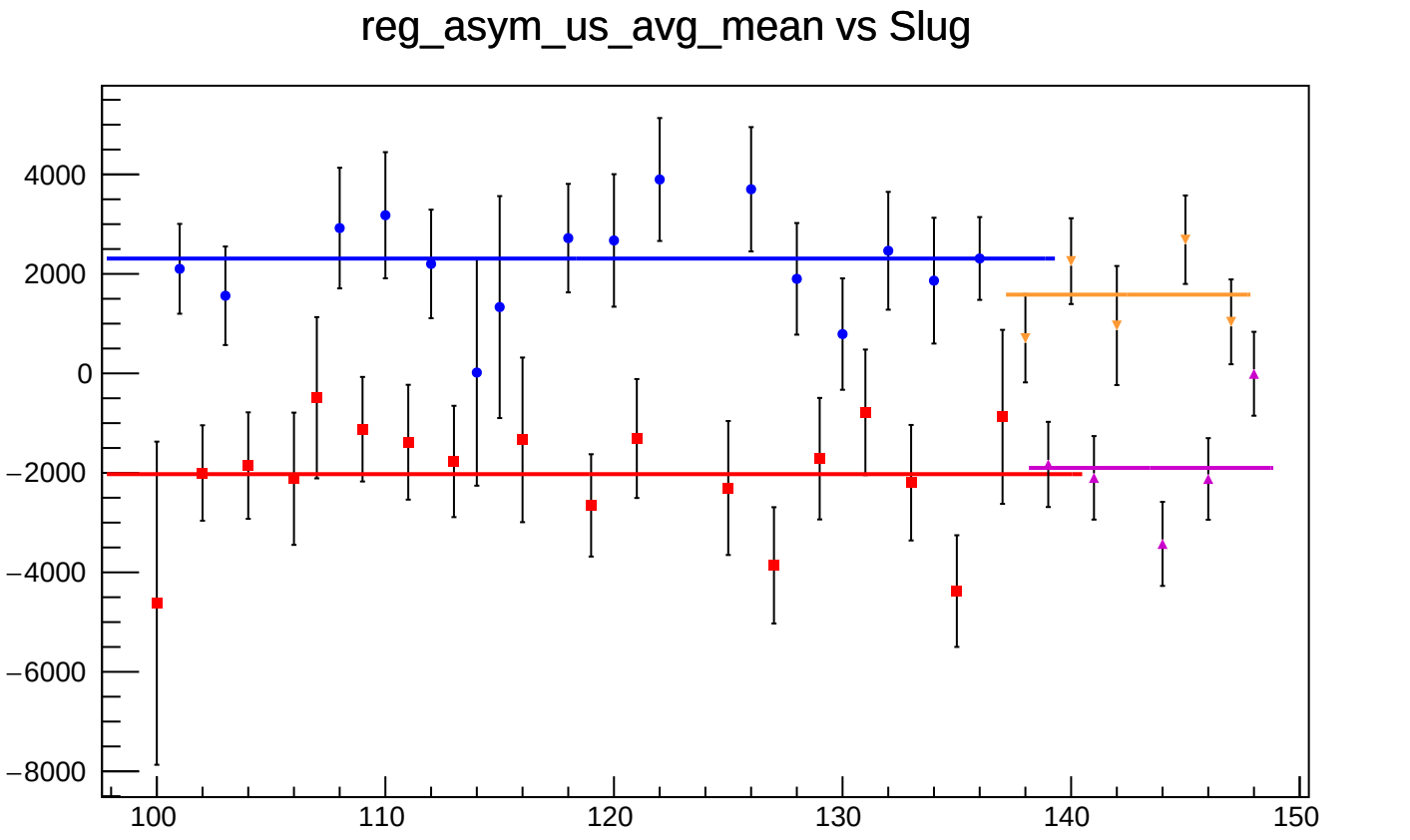


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

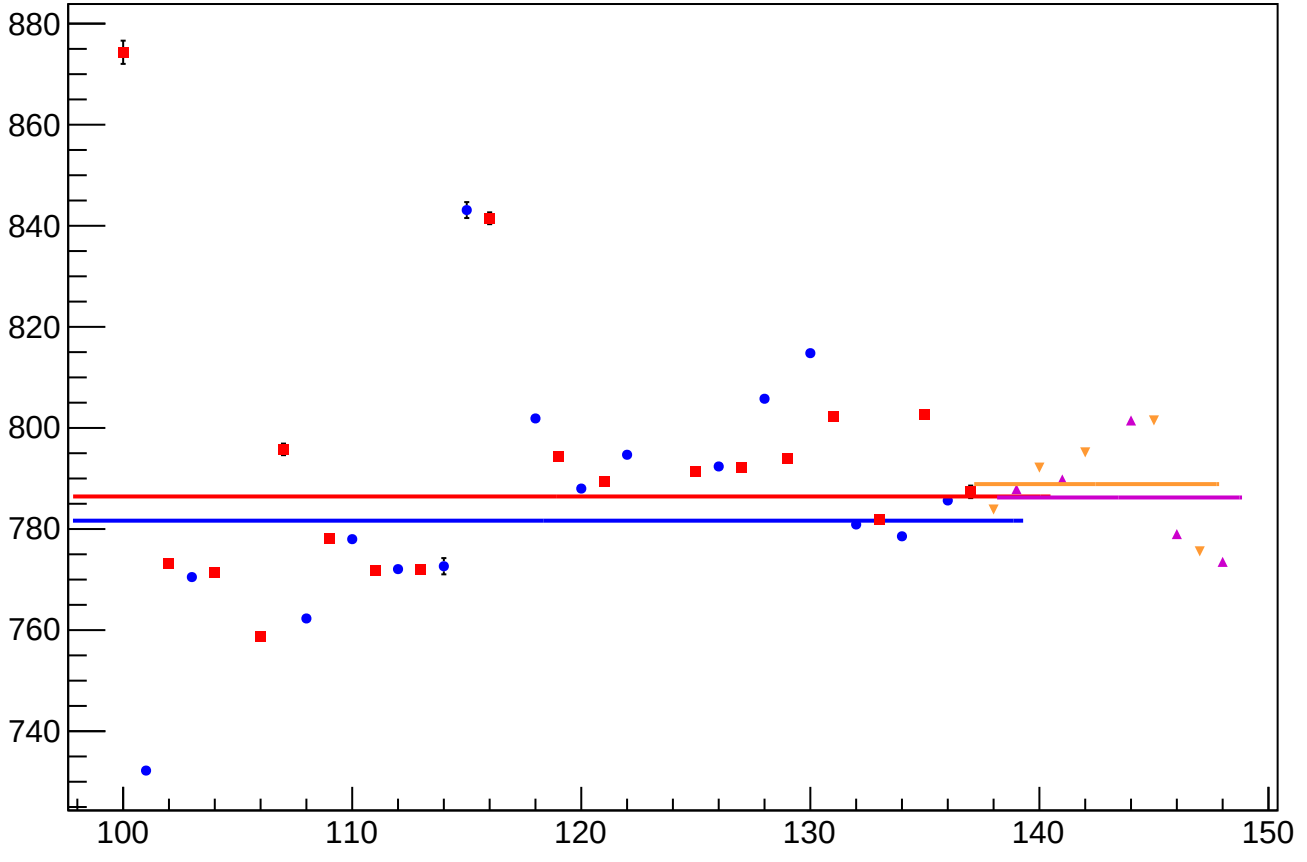
Left In: -1899.953+/-375.934 χ^2/NDF:8.4/4

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

All: -21.085+/-164.867 χ^2/NDF: 184.5/43

\- sign -1978.783+/-229.518 χ^2/NDF: 20.5/22

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

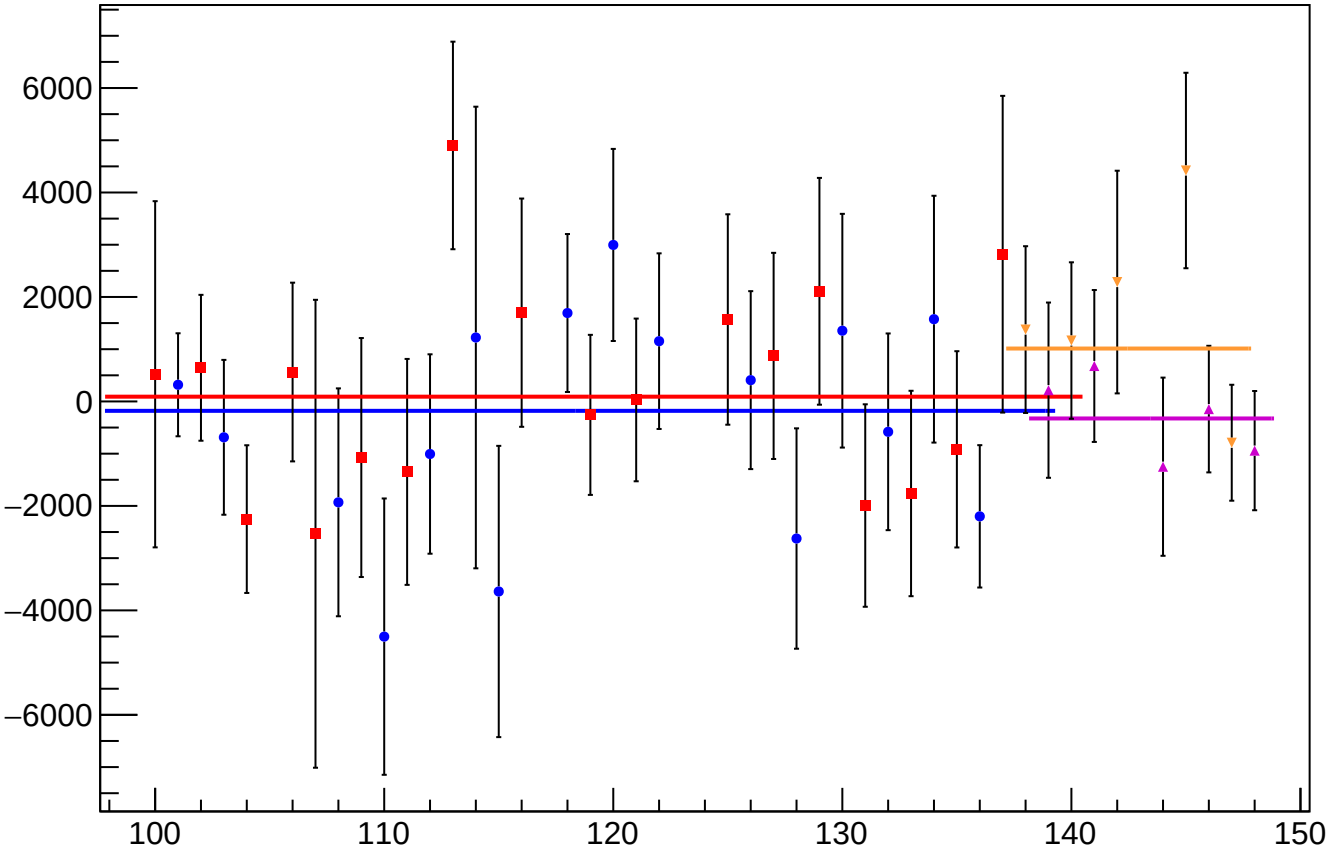
Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

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

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43

- sign 786.369+/-0.162 χ^2/NDF: 8508.3/22

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

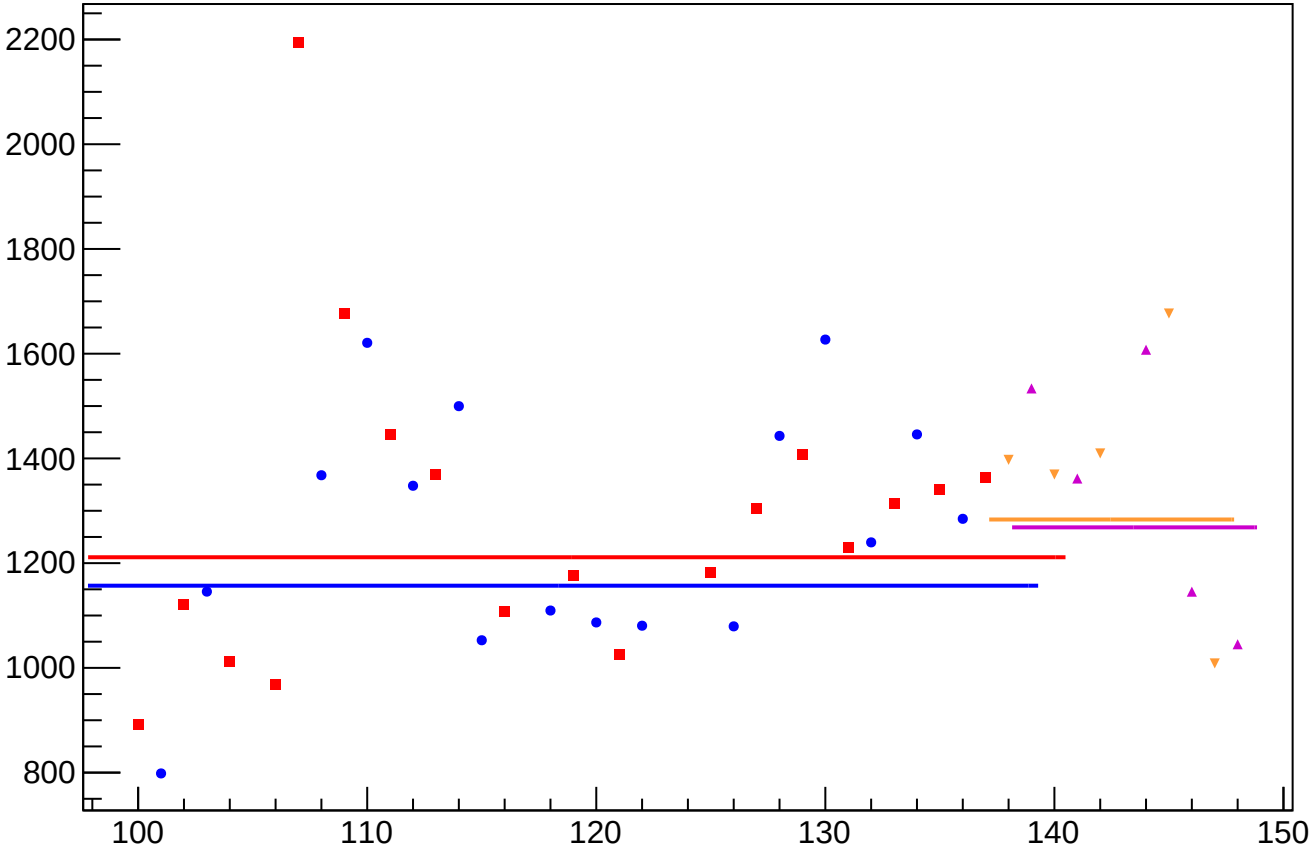
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

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

All: 57.202+/-260.304 χ^2/NDF: 40.8/43

- sign -55.432+/-366.244 χ^2/NDF: 16.7/22

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

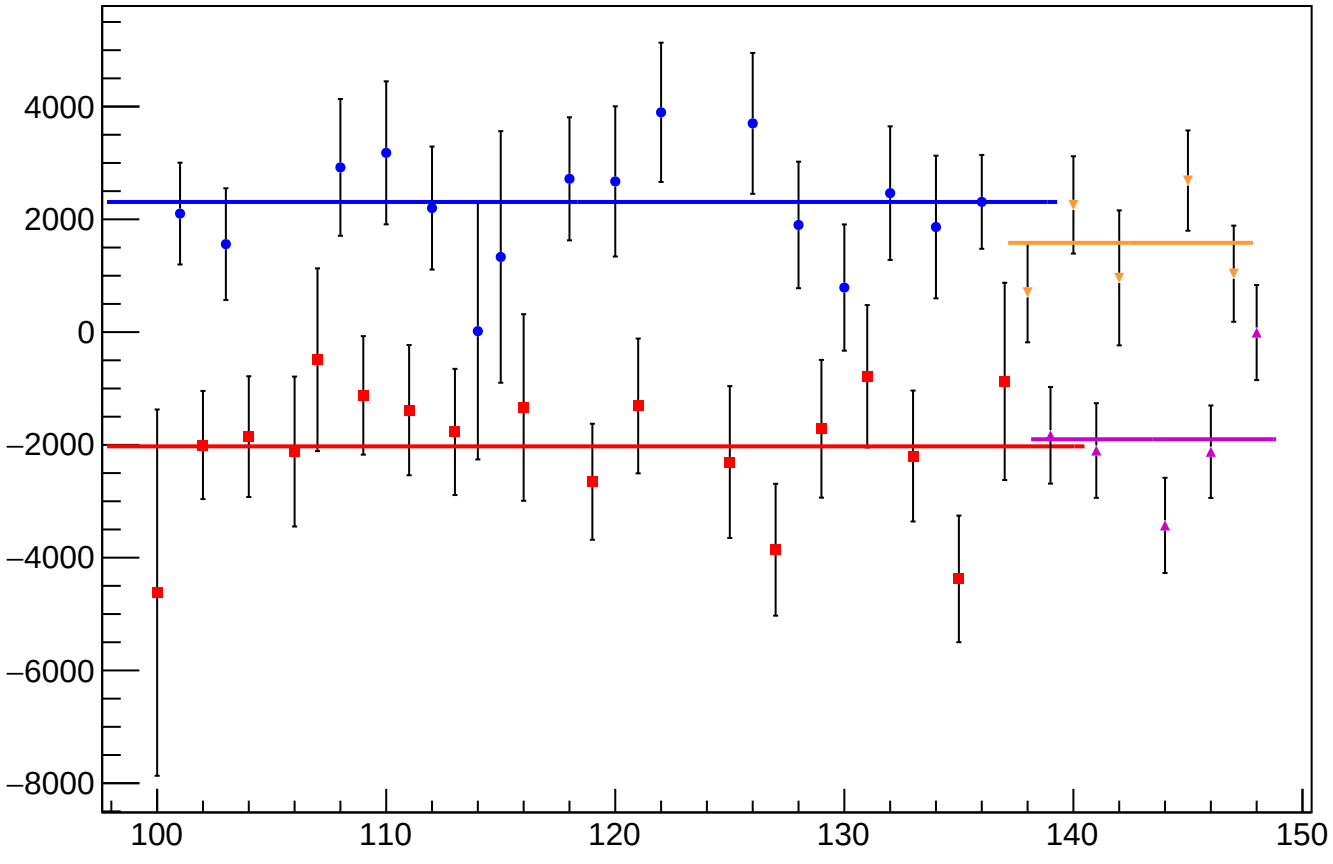
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

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

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43

- sign 1231.331+/-0.259 χ^2/NDF: 643214.9/22



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

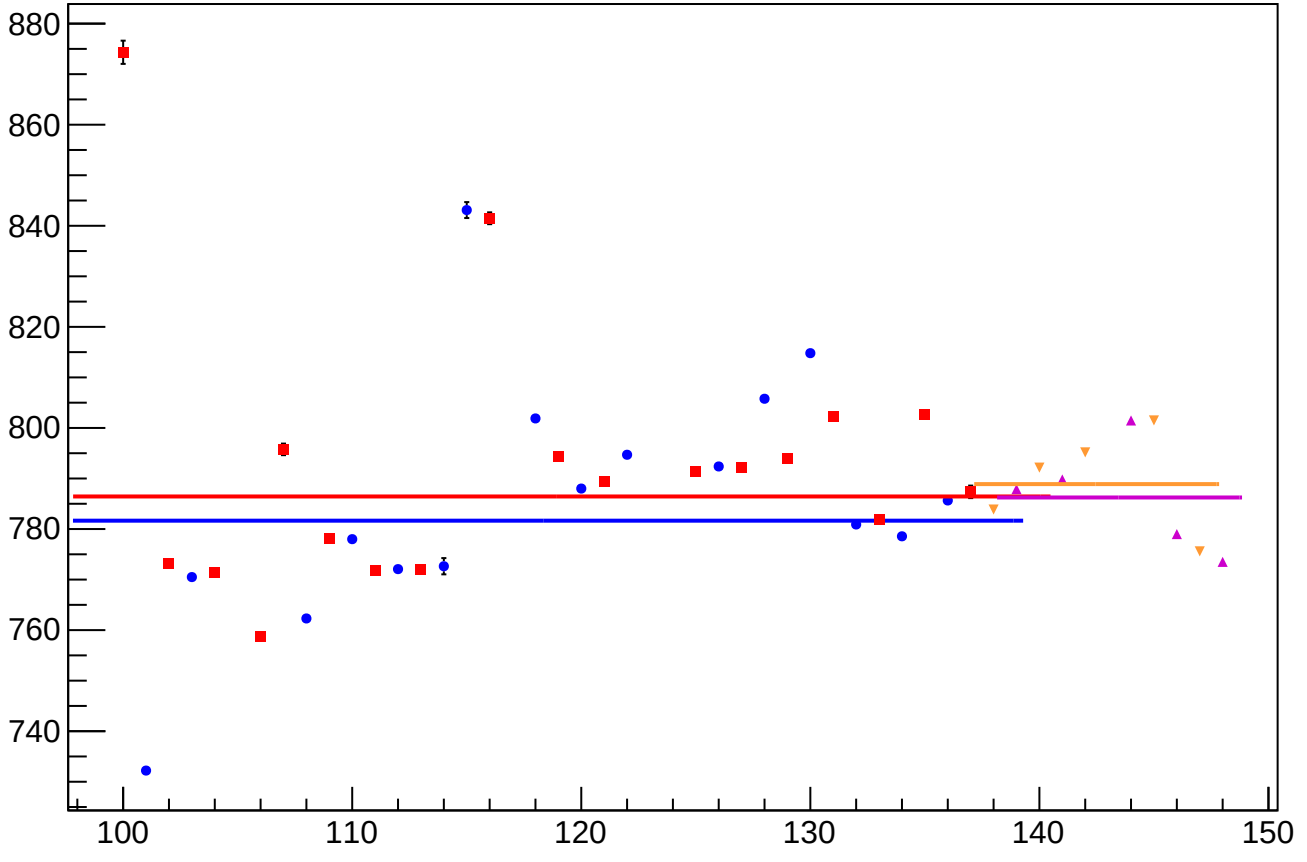
Left In: -1899.953+/-375.934 χ^2/NDF:8.4/4

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

All: -21.085+/-164.867 χ^2/NDF: 184.5/43

- sign -1978.783+/-229.518 χ^2/NDF: 20.5/22

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

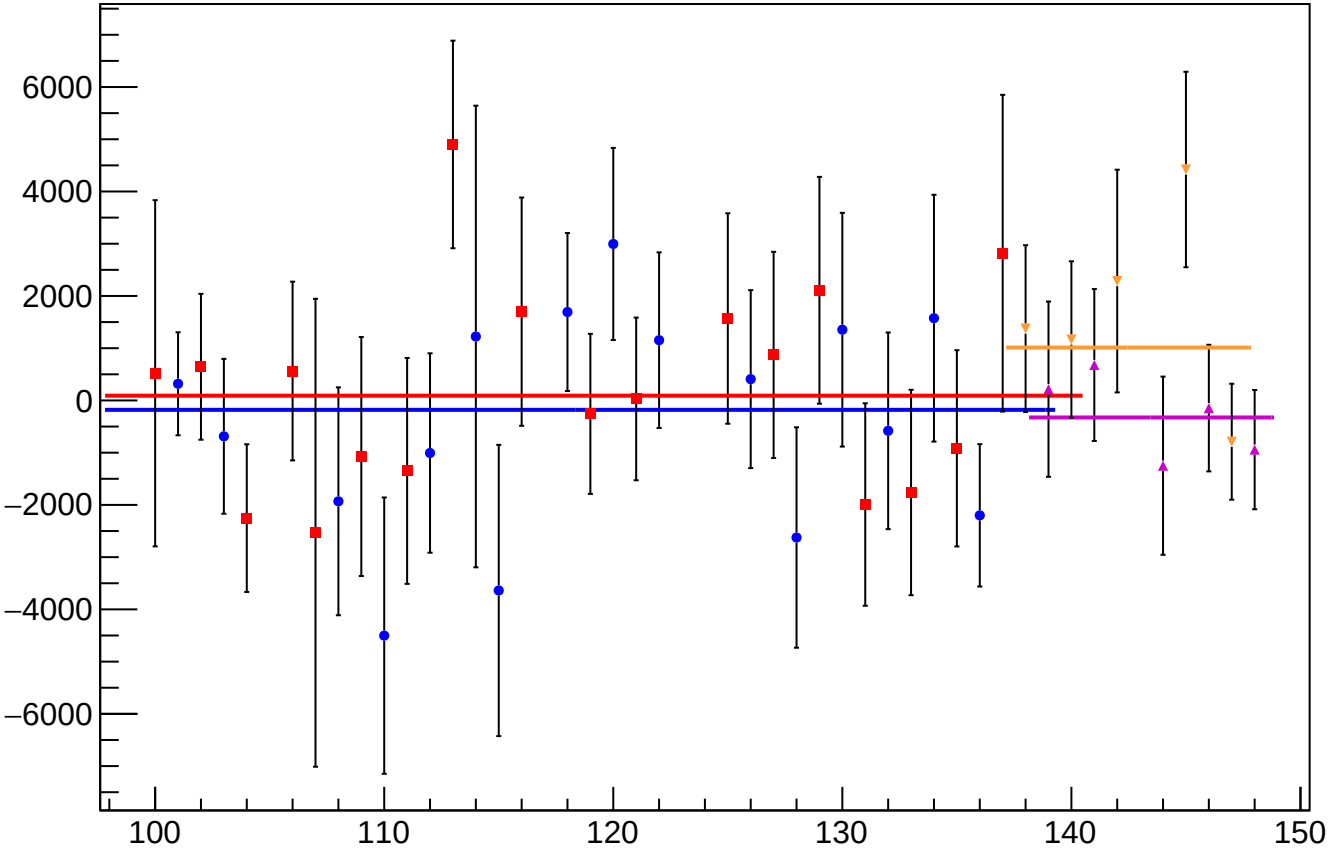
Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

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

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43

- sign 786.369+/-0.162 χ^2/NDF: 8508.3/22

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

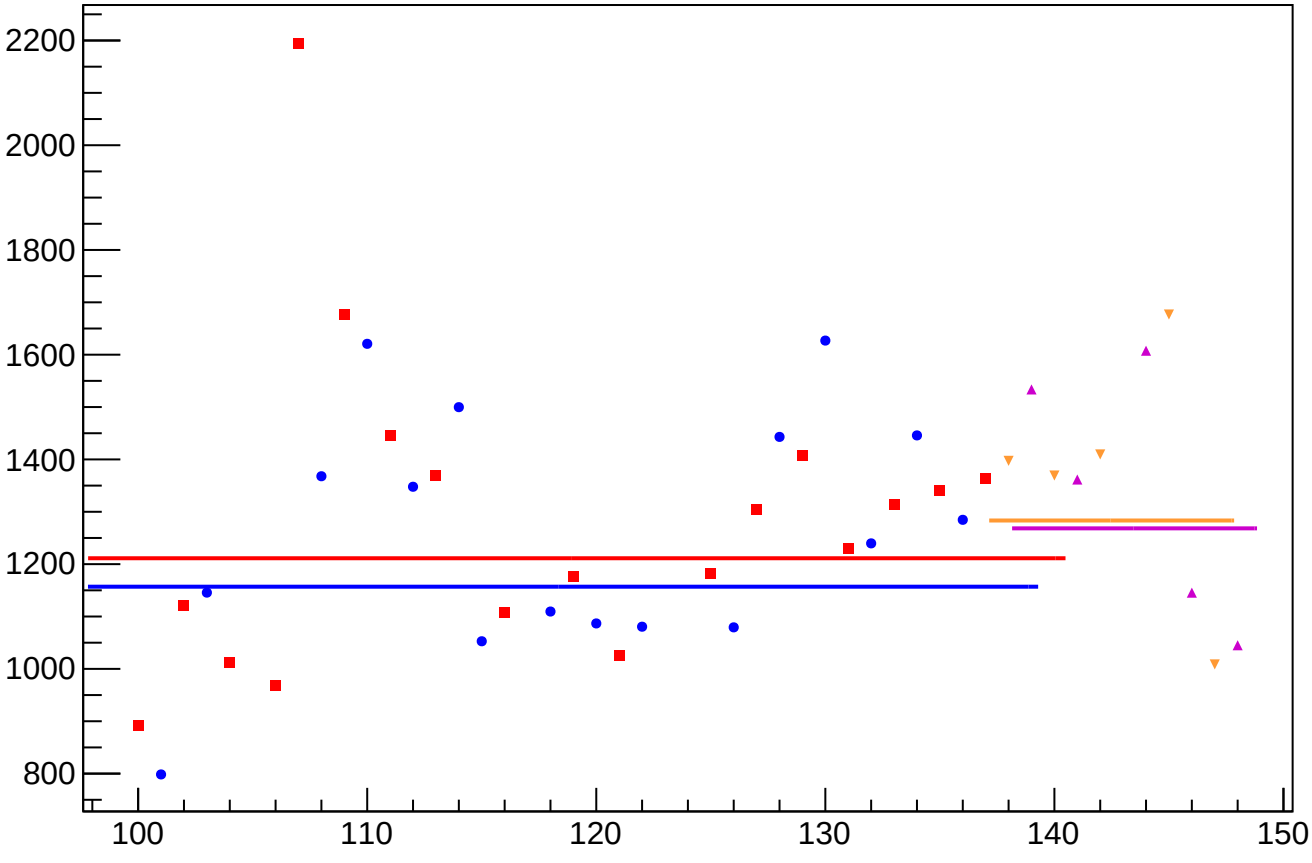
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

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

All: 57.202+/-260.304 χ^2/NDF: 40.8/43

- sign -55.432+/-366.244 χ^2/NDF: 16.7/22

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

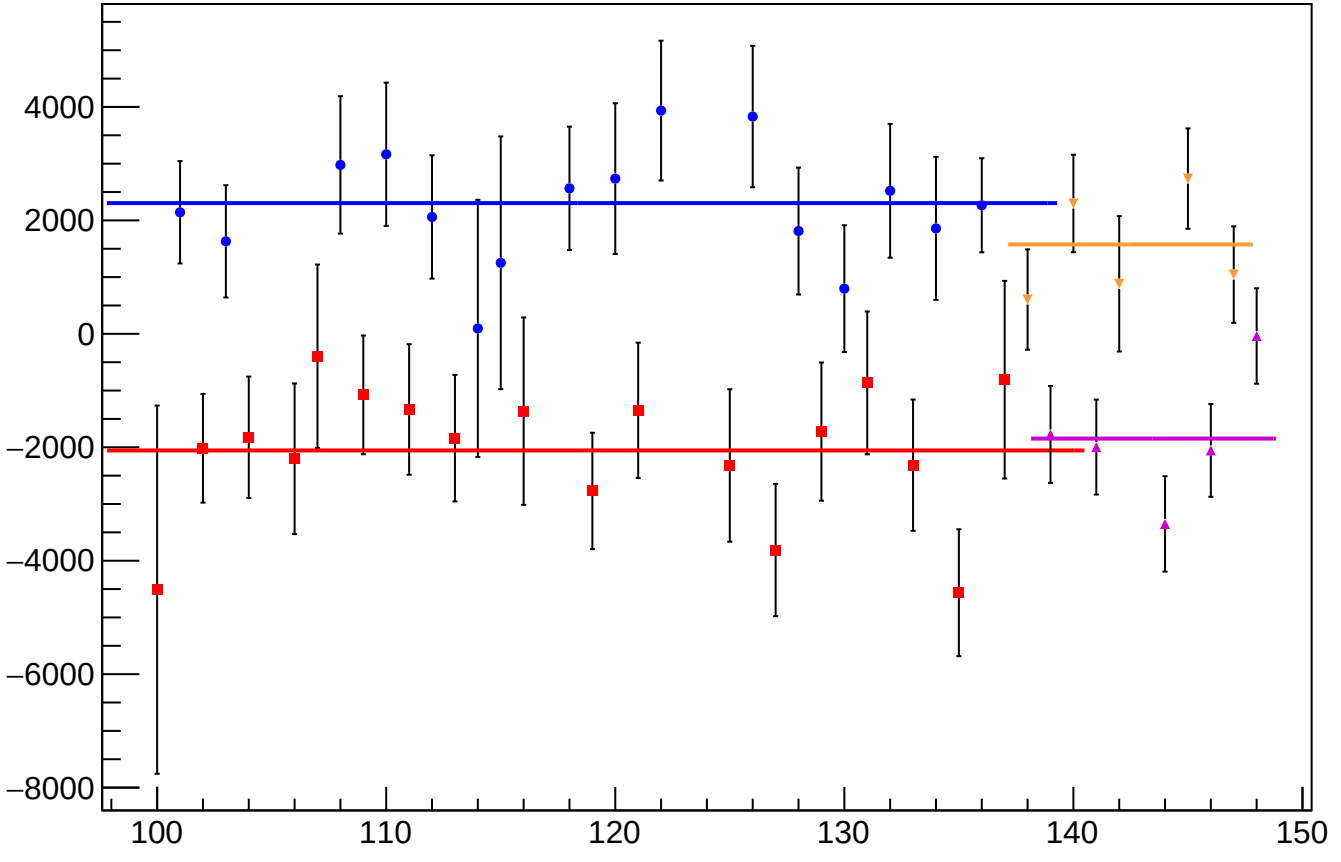
Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

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

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43

- sign 1231.331+/-0.259 χ^2/NDF: 643214.9/22

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

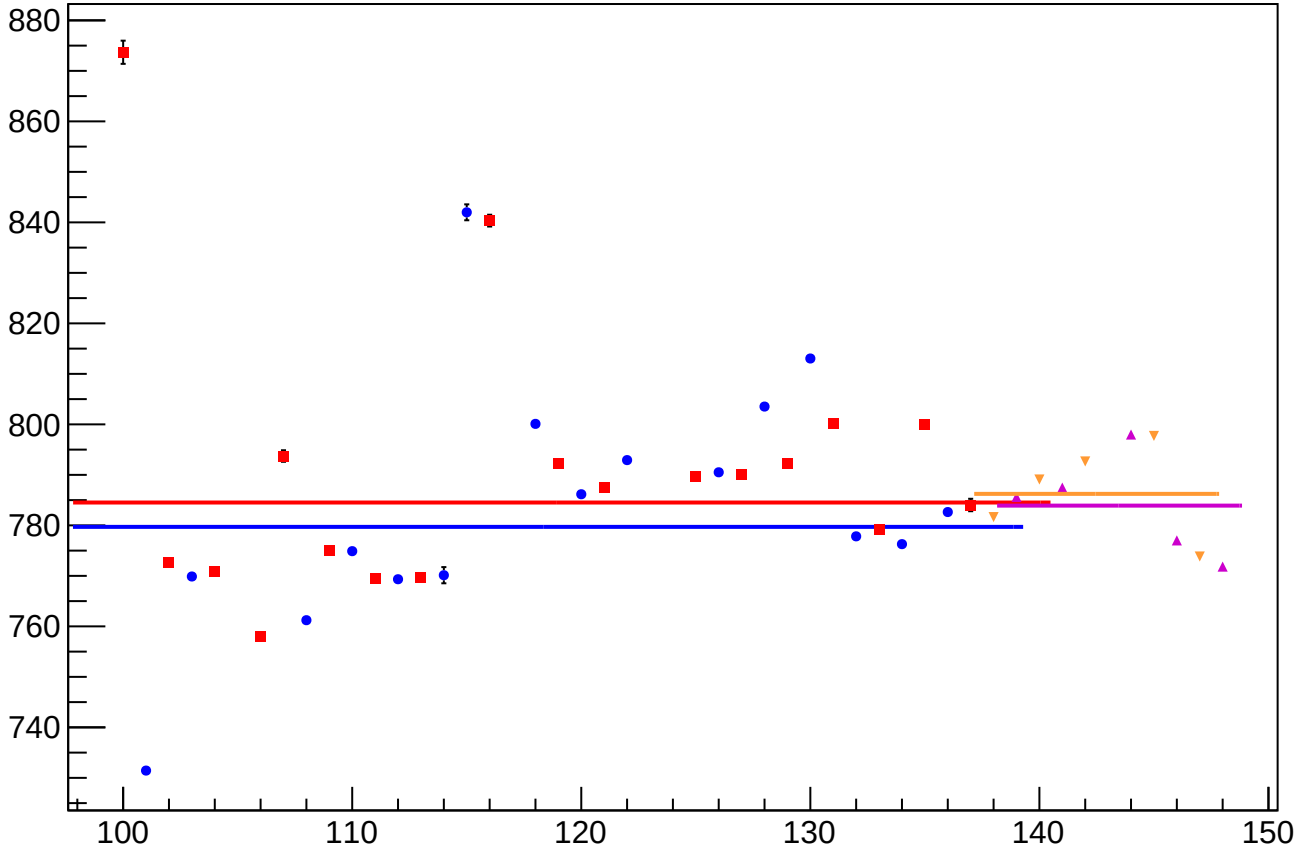
Left In: -1846.723+/-374.815 χ^2/NDF:7.9/4

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

All: -22.678+/-164.419 χ^2/NDF: 186.2/43

- sign -1977.732+/-228.912 χ^2/NDF: 21.0/22

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

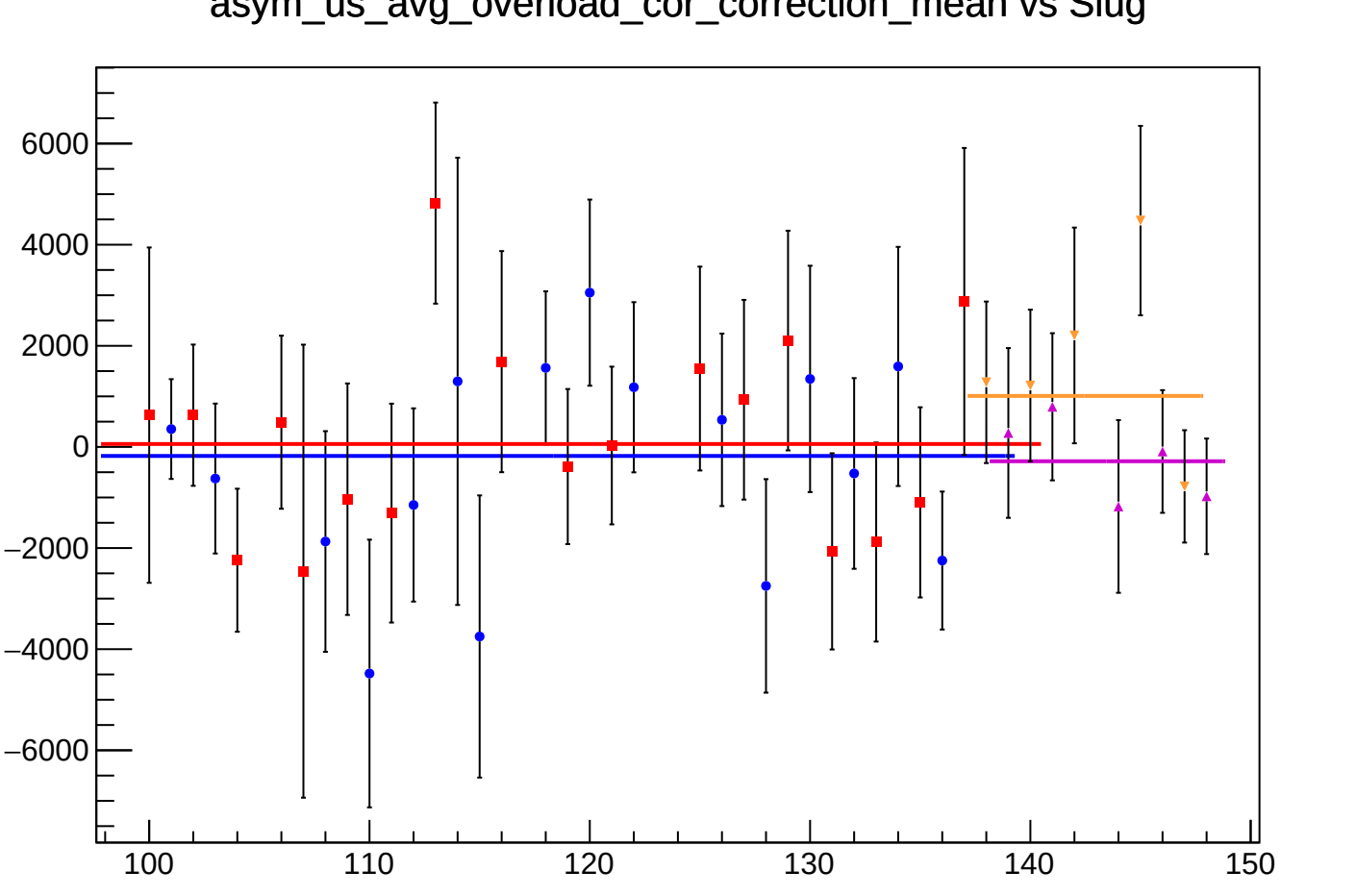
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 783.912+/-0.265 χ^2/NDF:1158.4/4

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

All: 783.131+/-0.116 χ^2/NDF: 21724.9/43

- sign 784.296+/-0.162 χ^2/NDF: 8321.8/22



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

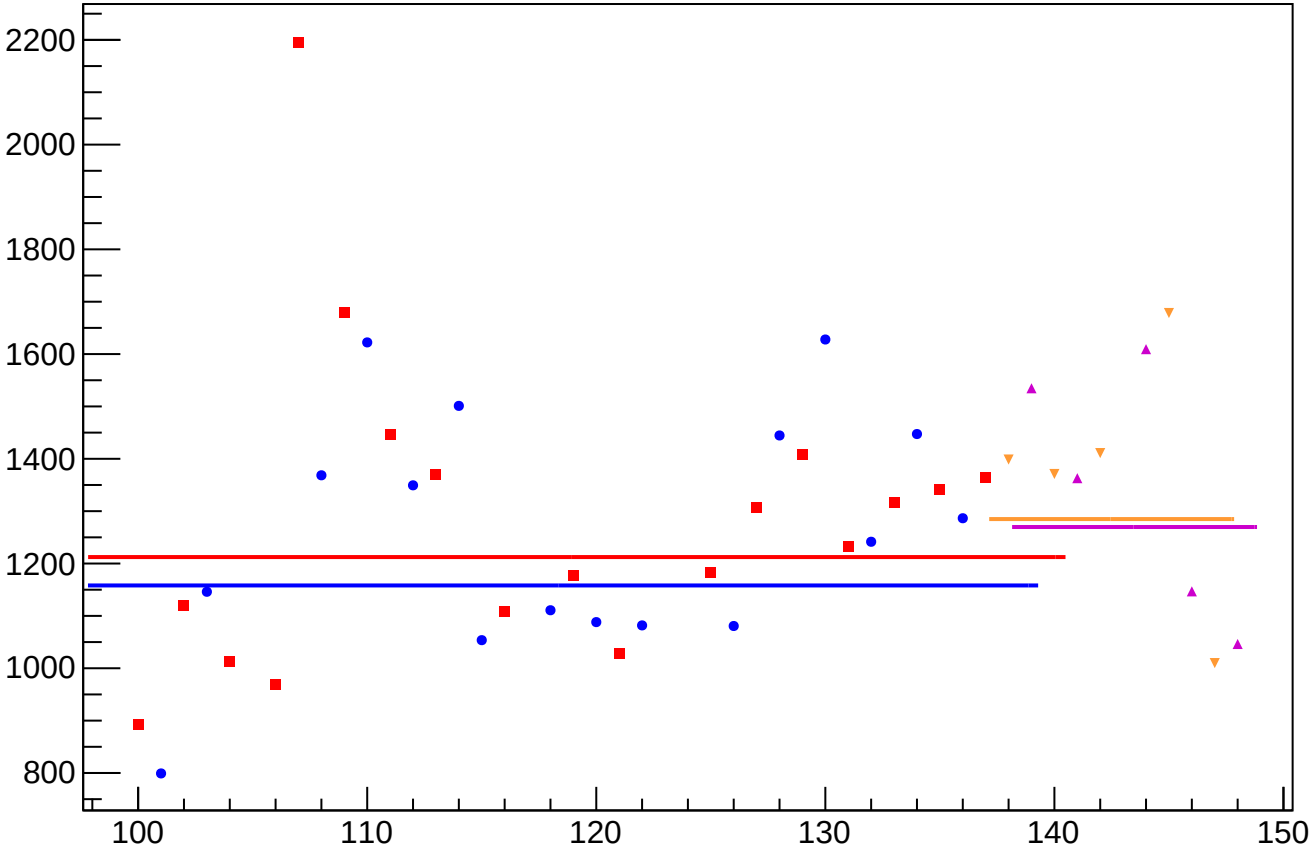
Left In: -283.017+/-618.358 χ^2/NDF:1.3/4

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

All: 53.846+/-260.565 χ^2/NDF: 41.2/43

- sign -61.831+/-366.592 χ^2/NDF: 16.8/22

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

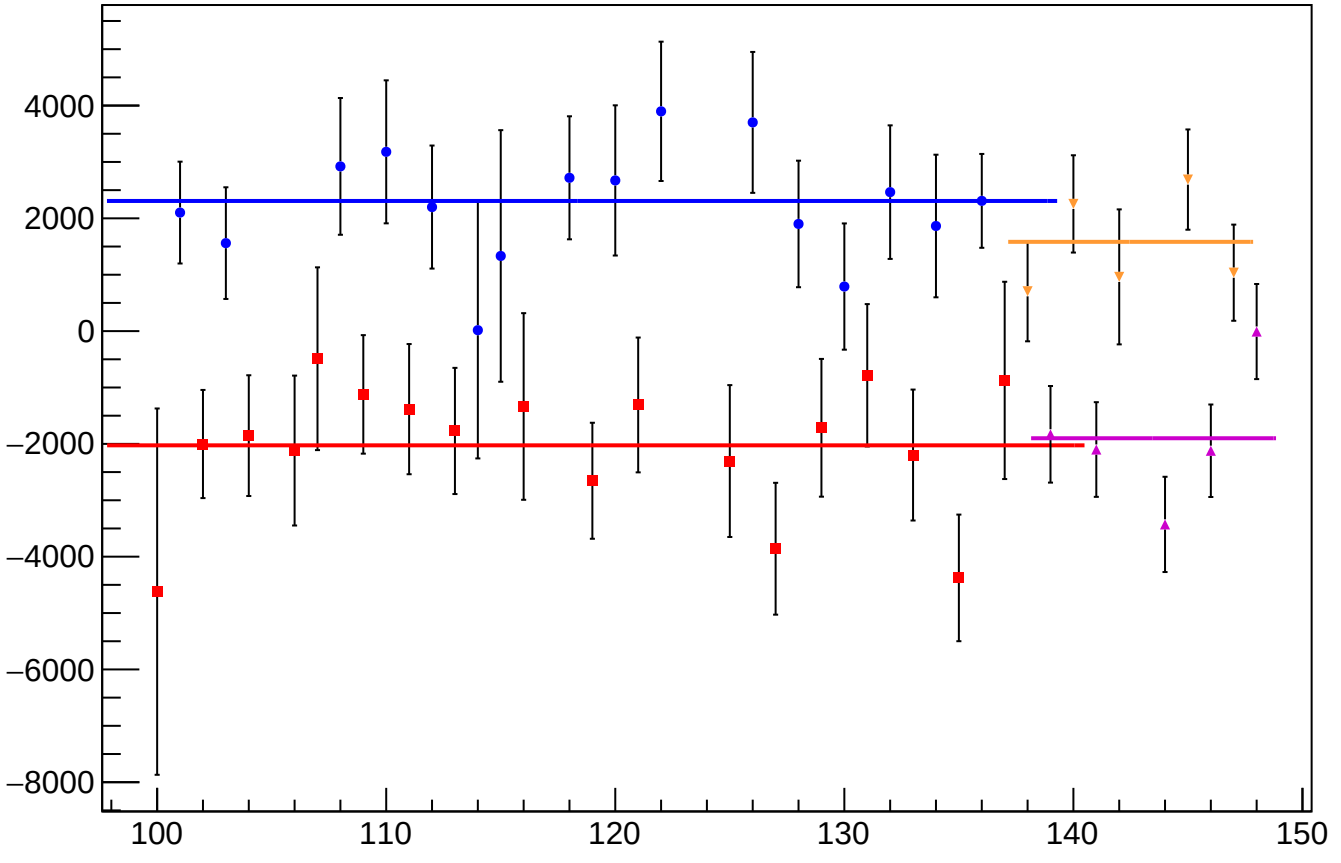
Left In: 1269.725+/-0.437 χ^2/NDF:234130.9/4

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

All: 1214.222+/-0.184 χ^2/NDF: 1505676.3/43

- sign 1232.513+/-0.259 χ^2/NDF: 643237.1/22

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

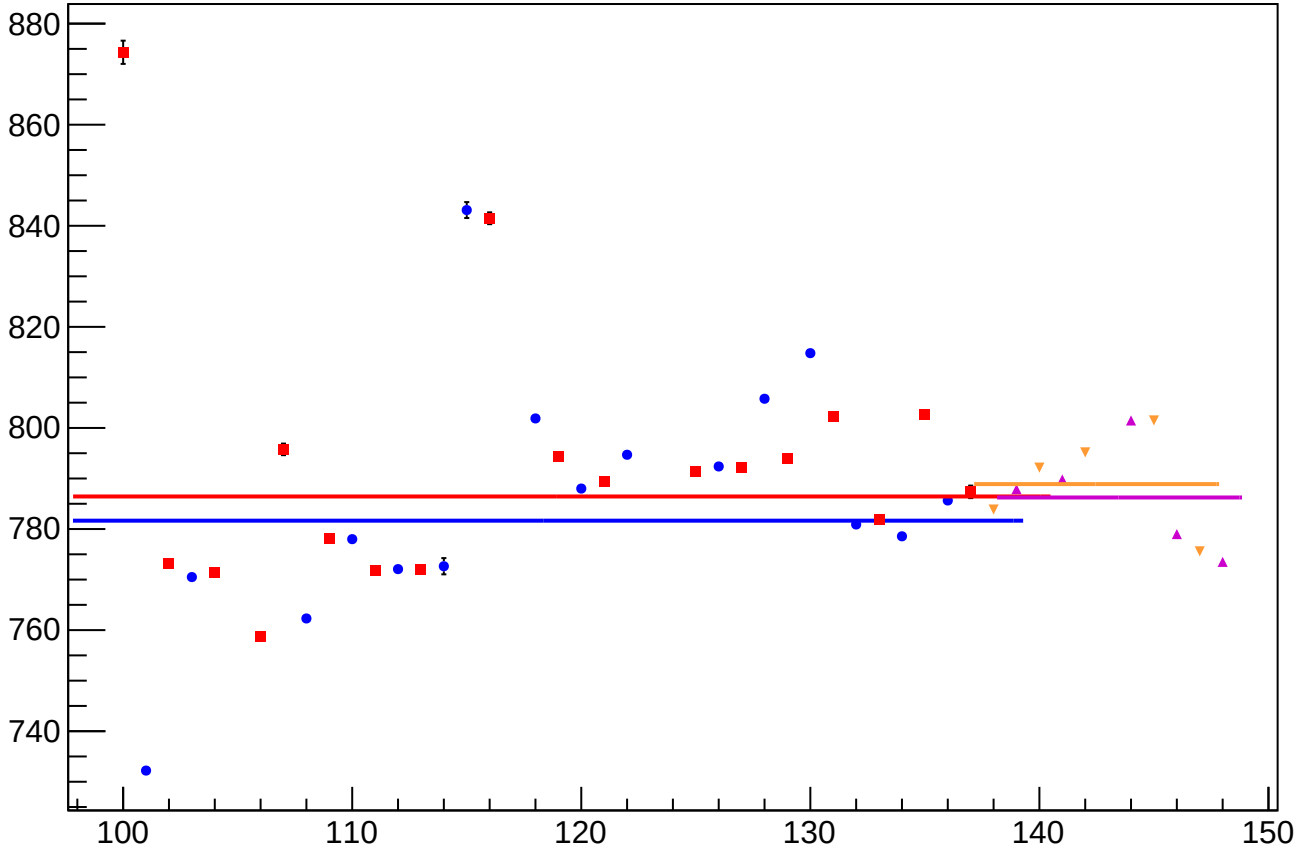
Left In: -1899.953+/-375.934 χ^2/NDF:8.4/4

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

All: -21.085+/-164.867 χ^2/NDF: 184.5/43

- sign -1978.783+/-229.518 χ^2/NDF: 20.5/22

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

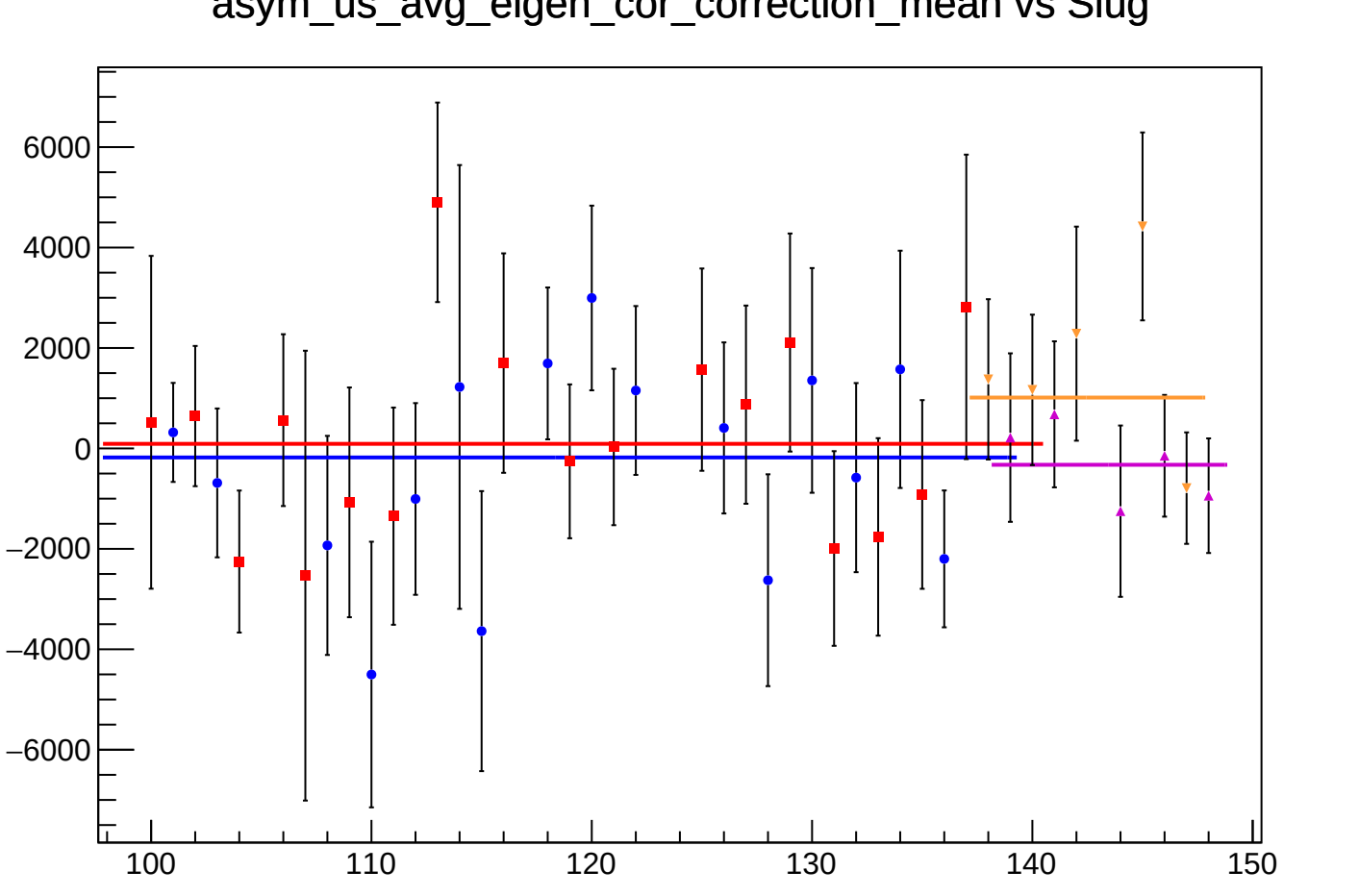
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

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

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43

- sign 786.369+/-0.162 χ^2/NDF: 8508.3/22



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

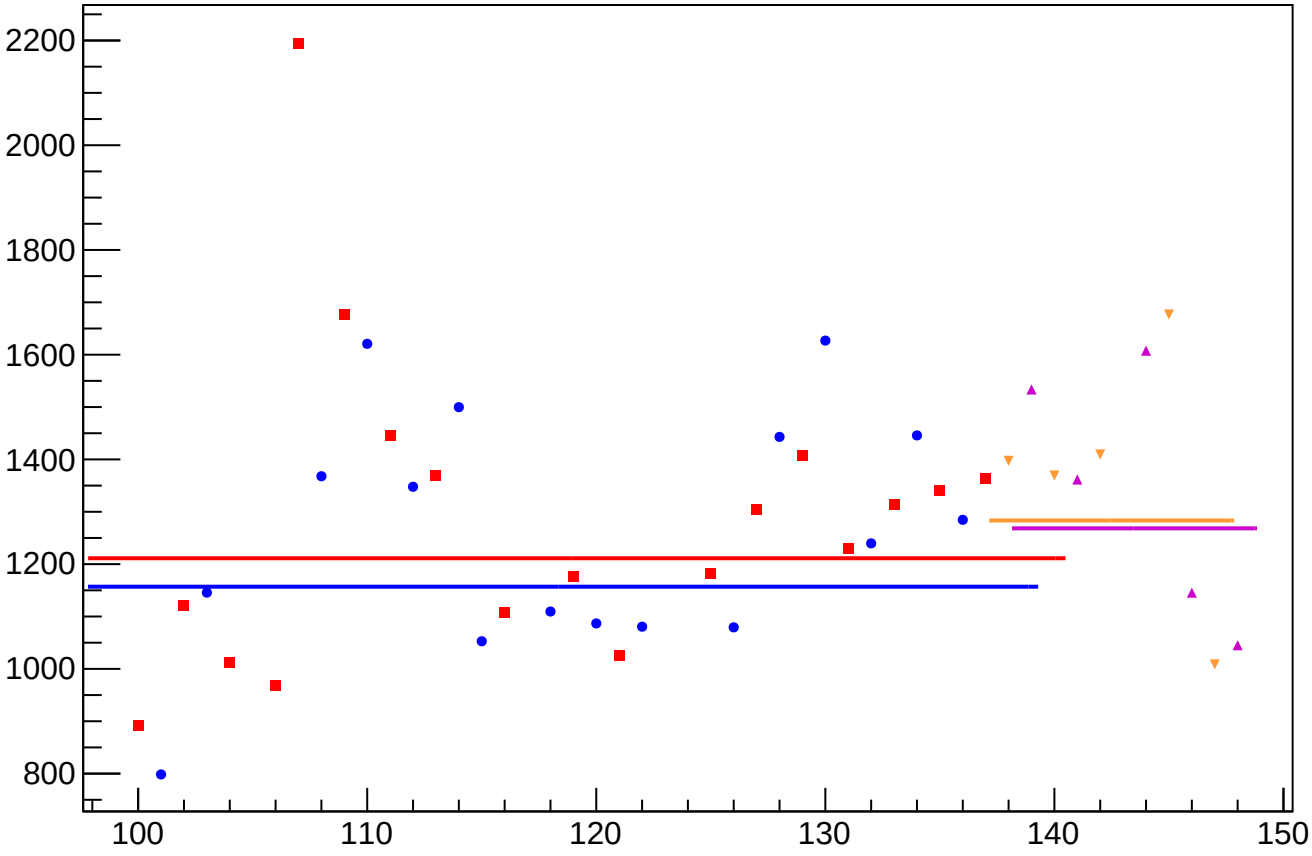
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

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

All: 57.202+/-260.304 χ^2/NDF: 40.8/43

- sign -55.432+/-366.244 χ^2/NDF: 16.7/22

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

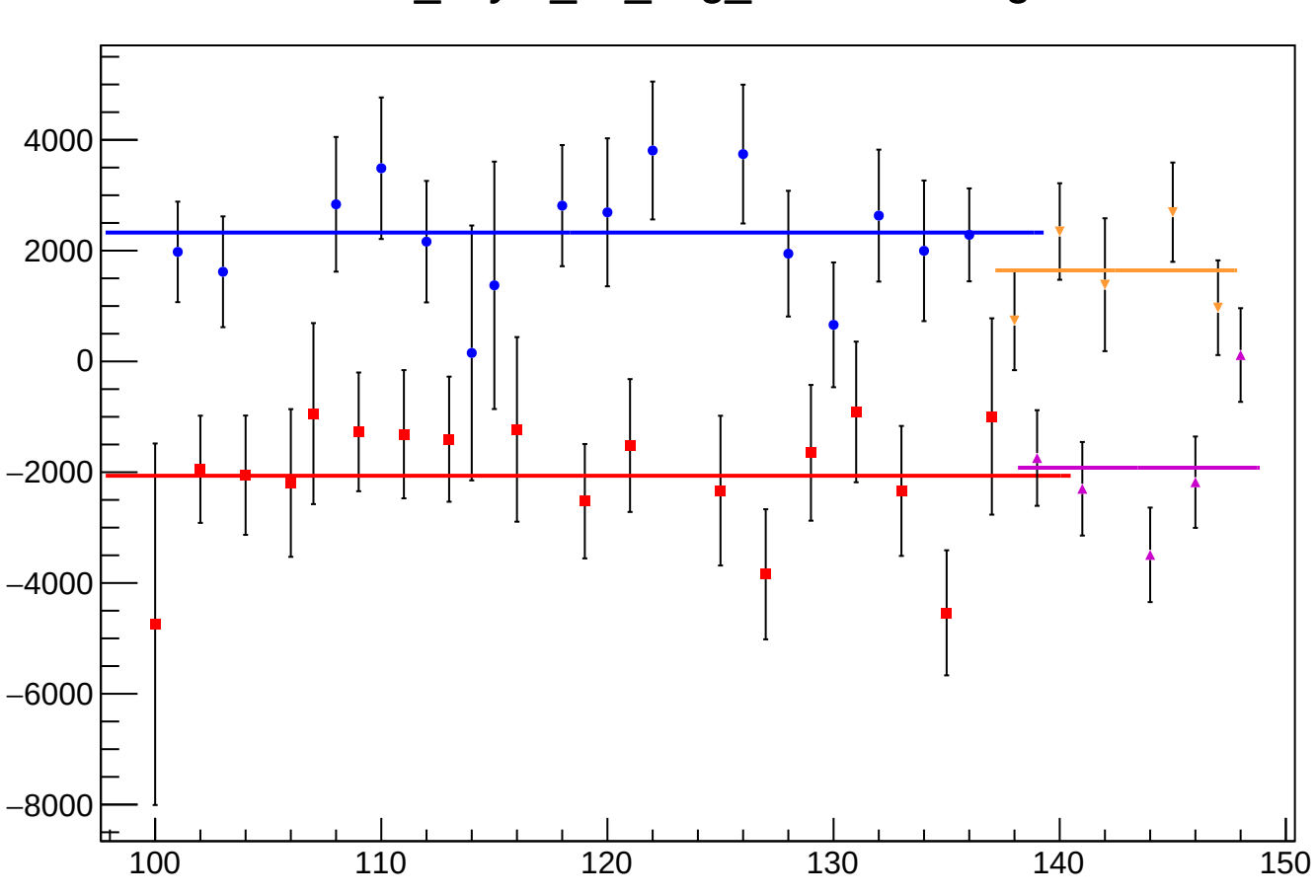
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

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

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43

- sign 1231.331+/-0.259 χ^2/NDF: 643214.9/22



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

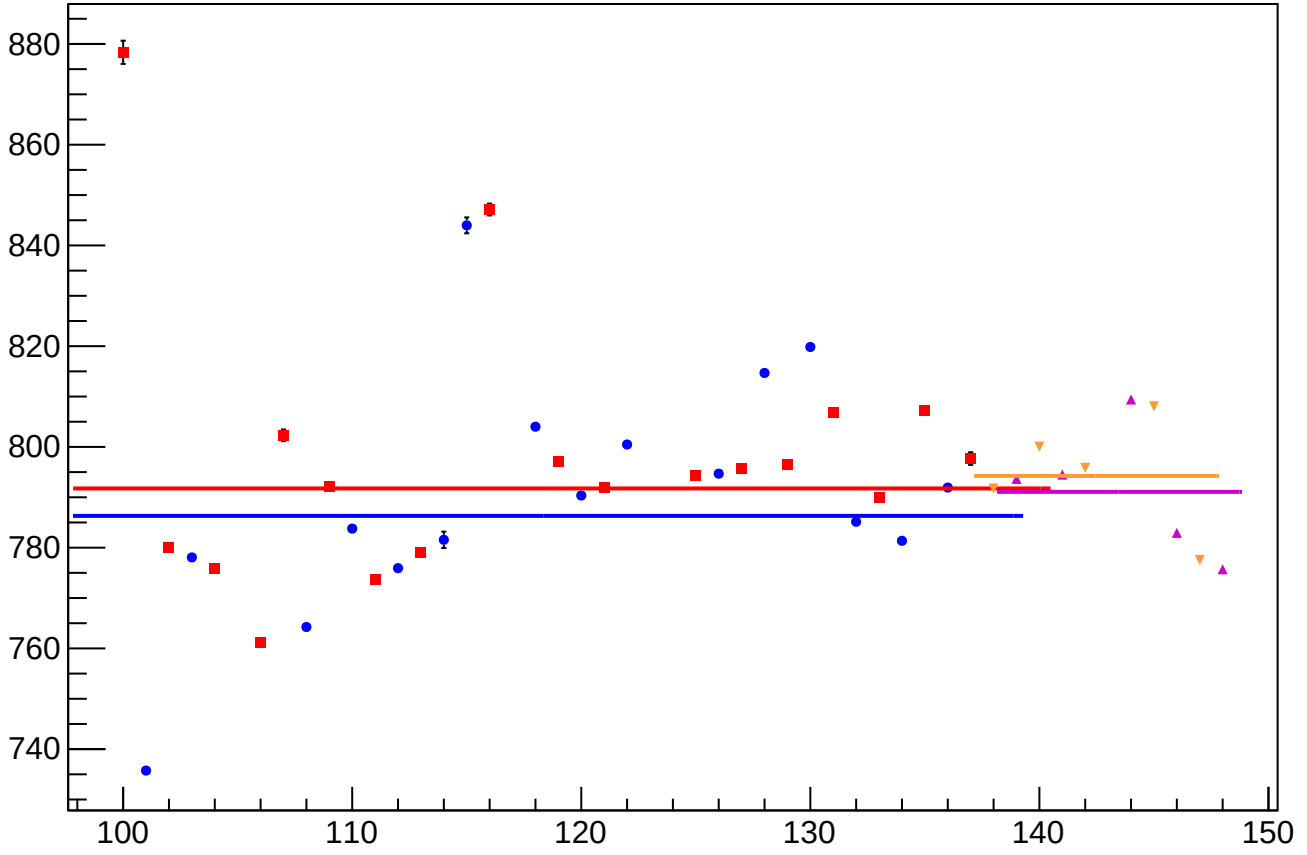
Left In: -1918.793+/-378.291 χ^2/NDF:9.5/4

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

All: -20.594+/-165.938 χ^2/NDF: 188.0/43

- sign -2009.819+/-231.044 χ^2/NDF: 21.3/22

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

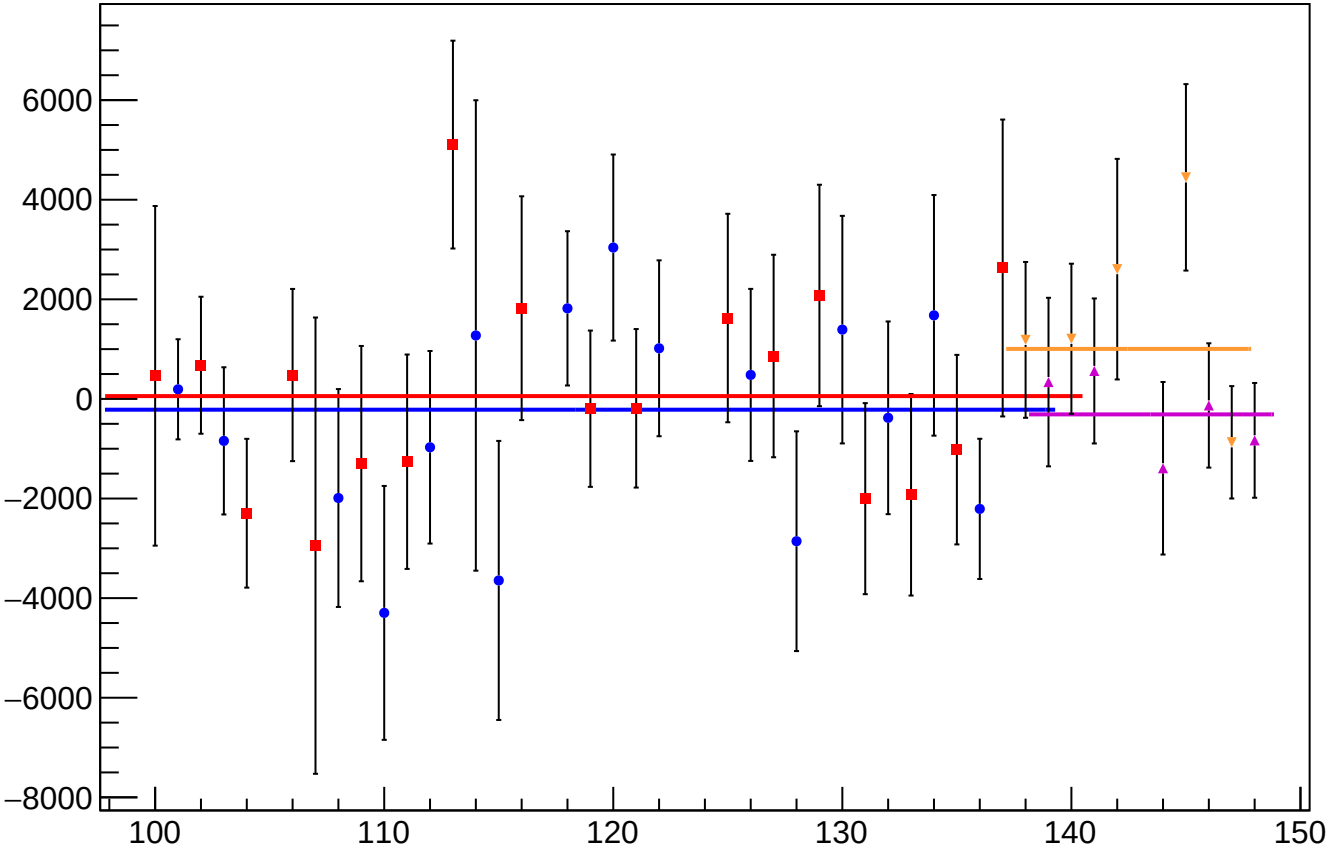
Left In: 791.082+/-0.267 χ^2/NDF:1830.0/4

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

All: 790.272+/-0.117 χ^2/NDF: 23377.0/43

- sign 791.505+/-0.163 χ^2/NDF: 8849.1/22

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

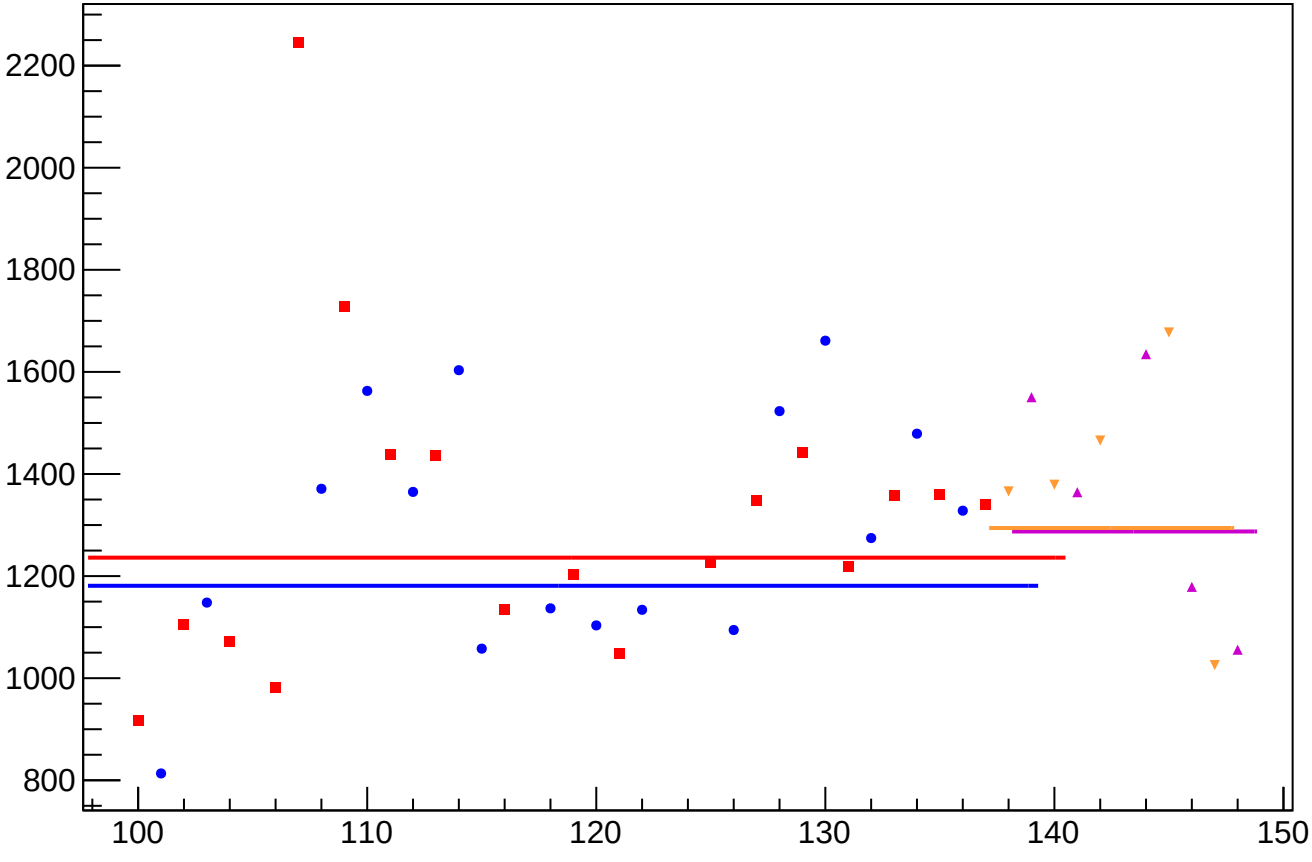
Left In: -310.359+/-626.389 χ^2/NDF:1.1/4

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

All: 37.556+/-264.763 χ^2/NDF: 40.8/43

- sign -73.288+/-372.837 χ^2/NDF: 16.5/22

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

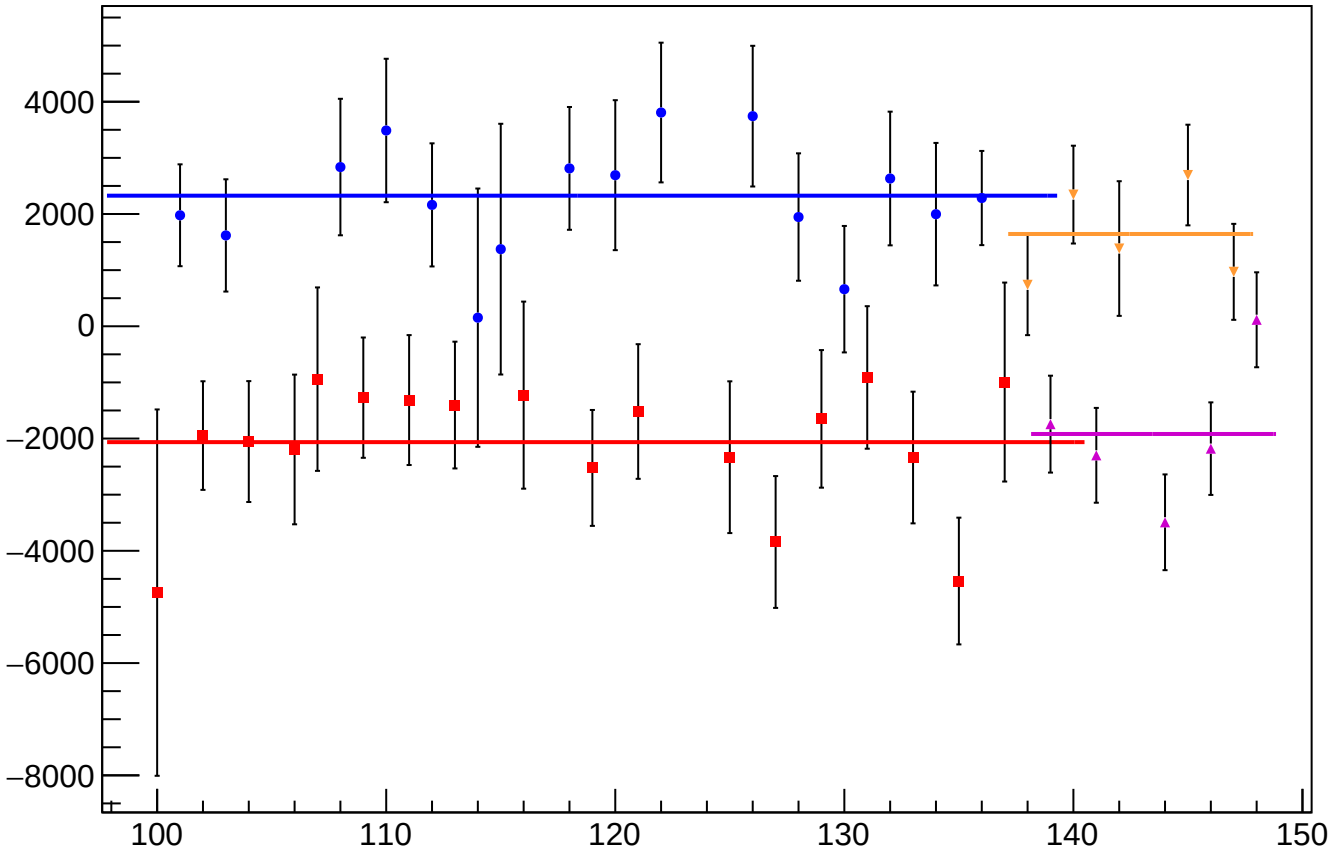
Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

Left In: 1287.386+/-0.443 χ^2/NDF:230171.5/4

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

All: 1234.803+/-0.187 χ^2/NDF: 1475807.7/43

- sign 1254.292+/-0.264 χ^2/NDF: 636059.5/22



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

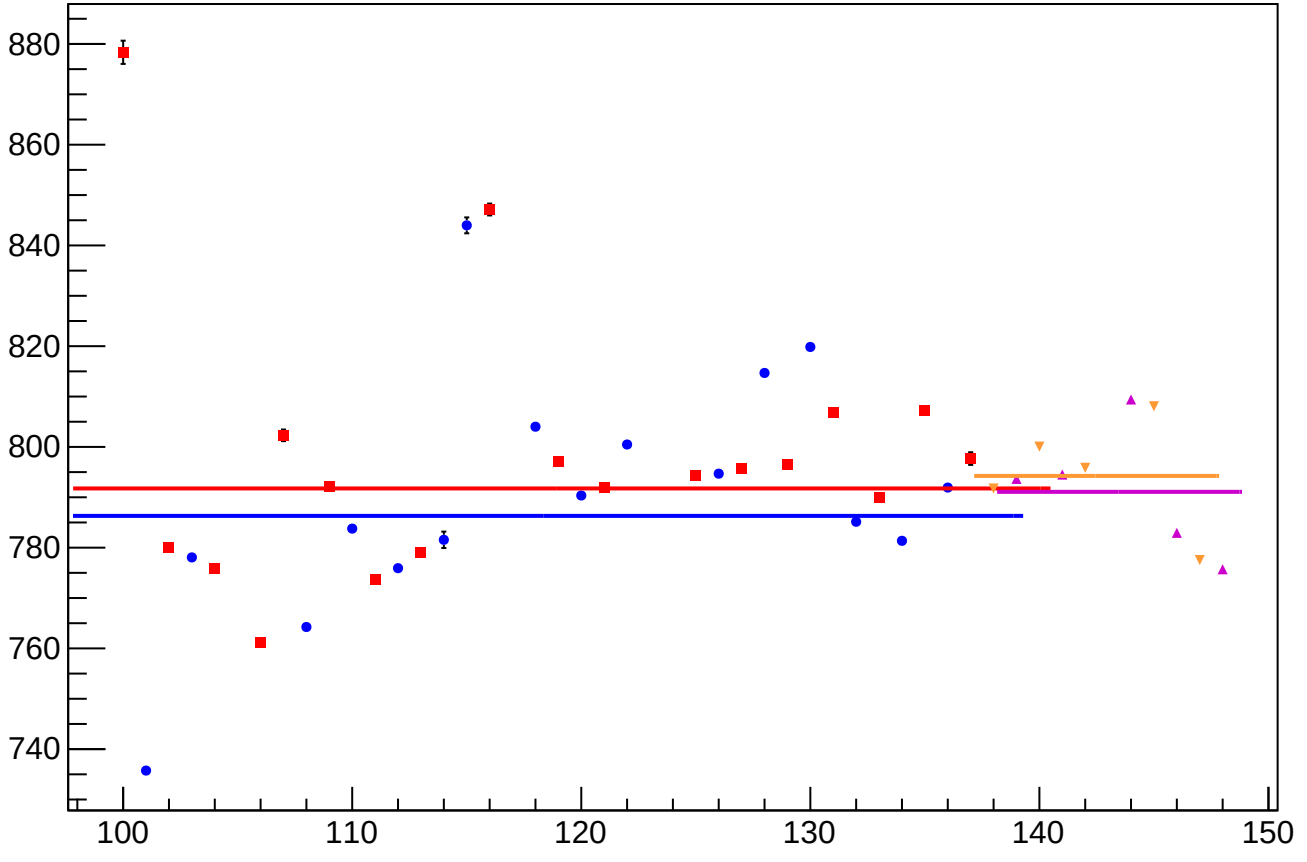
Left In: -1918.793+/-378.291 χ^2/NDF:9.5/4

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

All: -20.593+/-165.938 χ^2/NDF: 188.0/43

- sign -2009.819+/-231.044 χ^2/NDF: 21.3/22

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

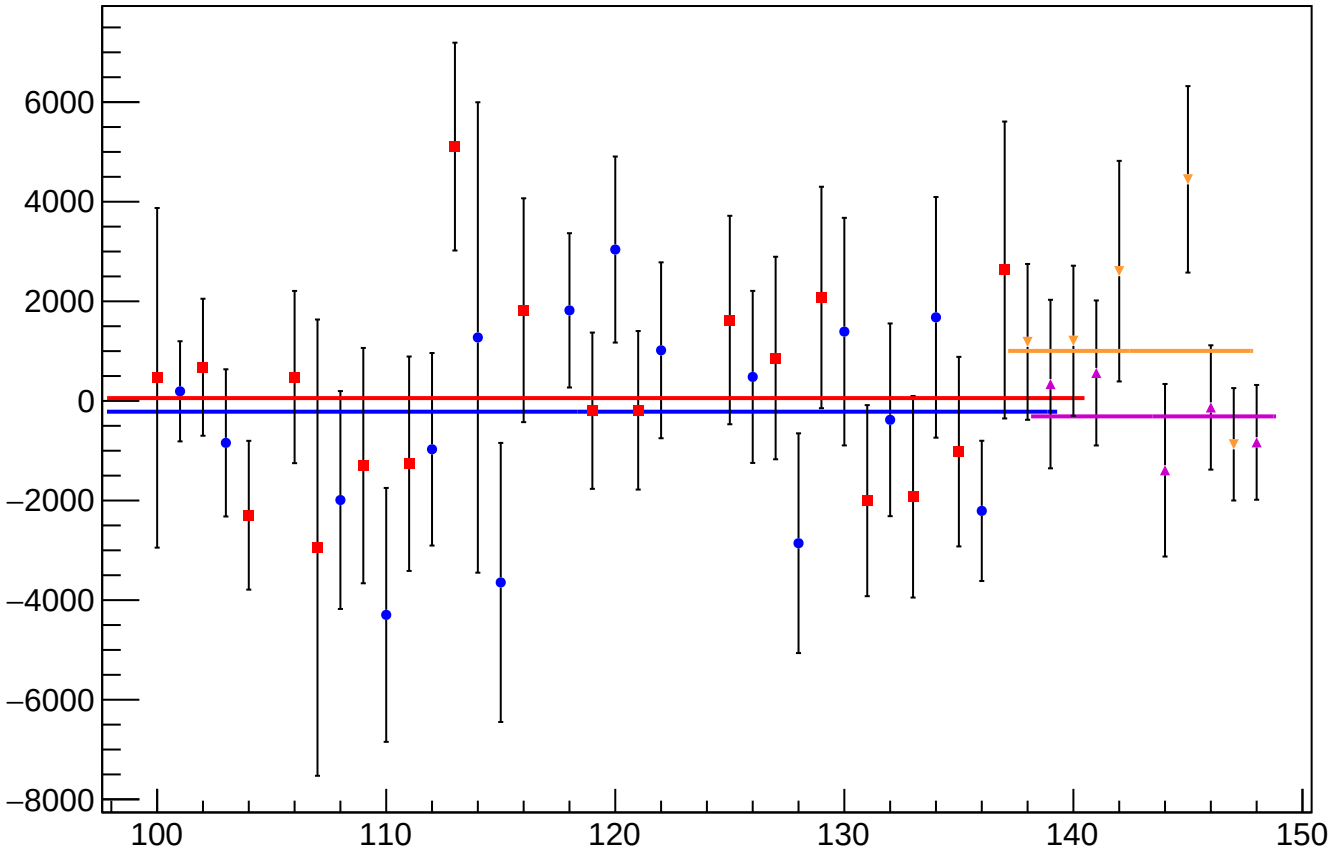
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 791.082+/-0.267 χ^2/NDF:1830.0/4

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

All: 790.272+/-0.117 χ^2/NDF: 23376.9/43

\- sign 791.505+/-0.163 χ^2/NDF: 8849.1/22



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

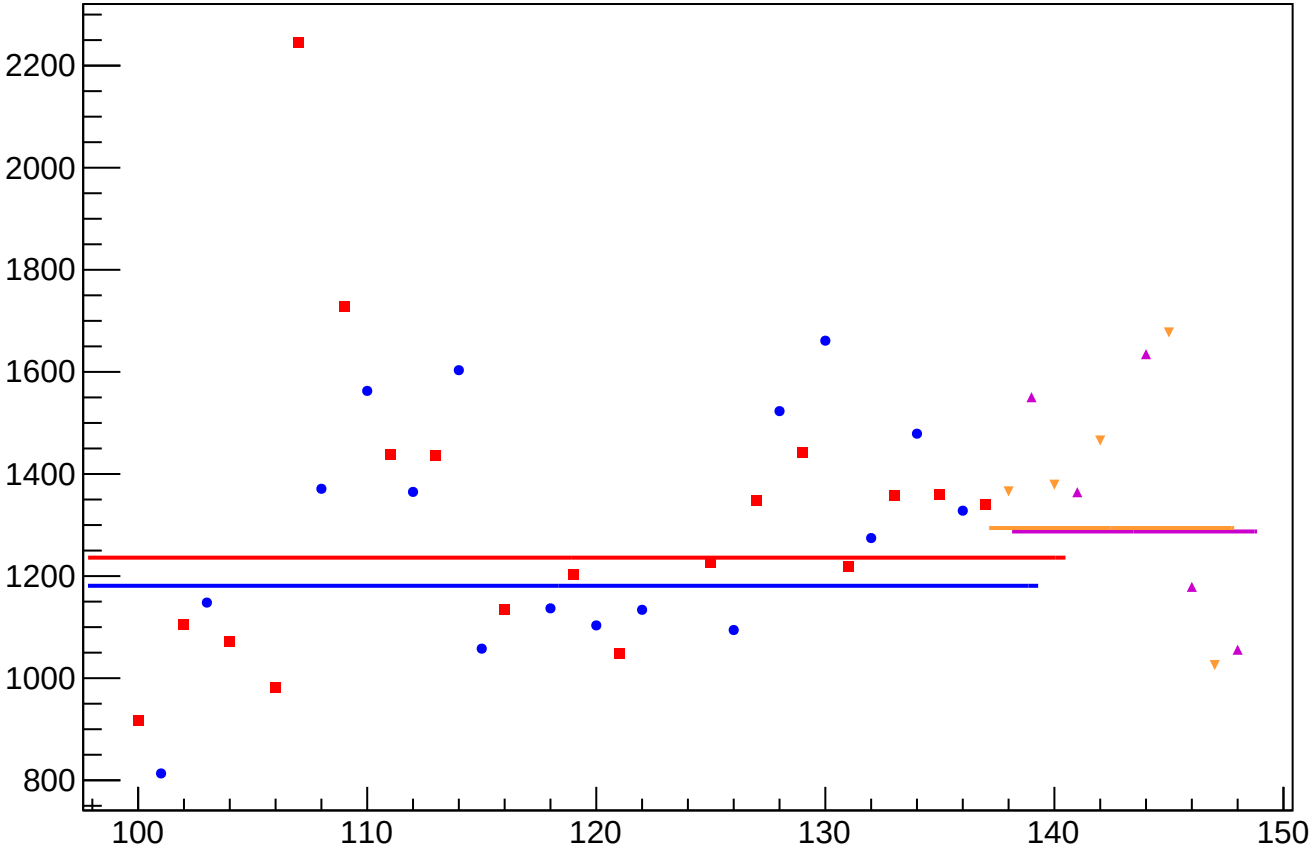
Left In: -310.359+/-626.390 χ^2/NDF:1.1/4

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

All: 37.555+/-264.763 χ^2/NDF: 40.8/43

- sign -73.287+/-372.837 χ^2/NDF: 16.5/22

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

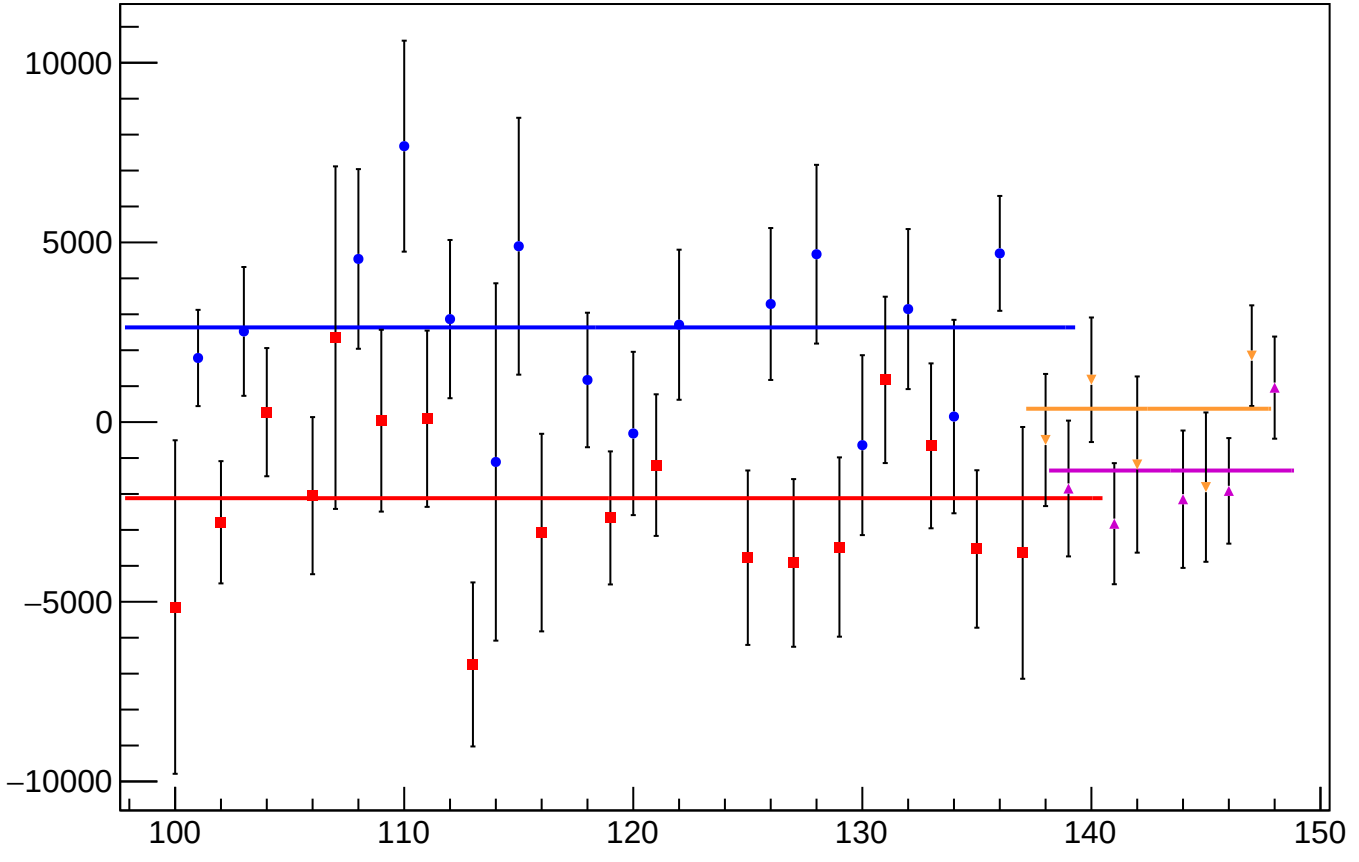
Left In: 1287.389+/-0.443 χ^2/NDF:230172.3/4

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

All: 1234.801+/-0.187 χ^2/NDF: 1475811.5/43

- sign 1254.291+/-0.264 χ^2/NDF: 636060.7/22

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

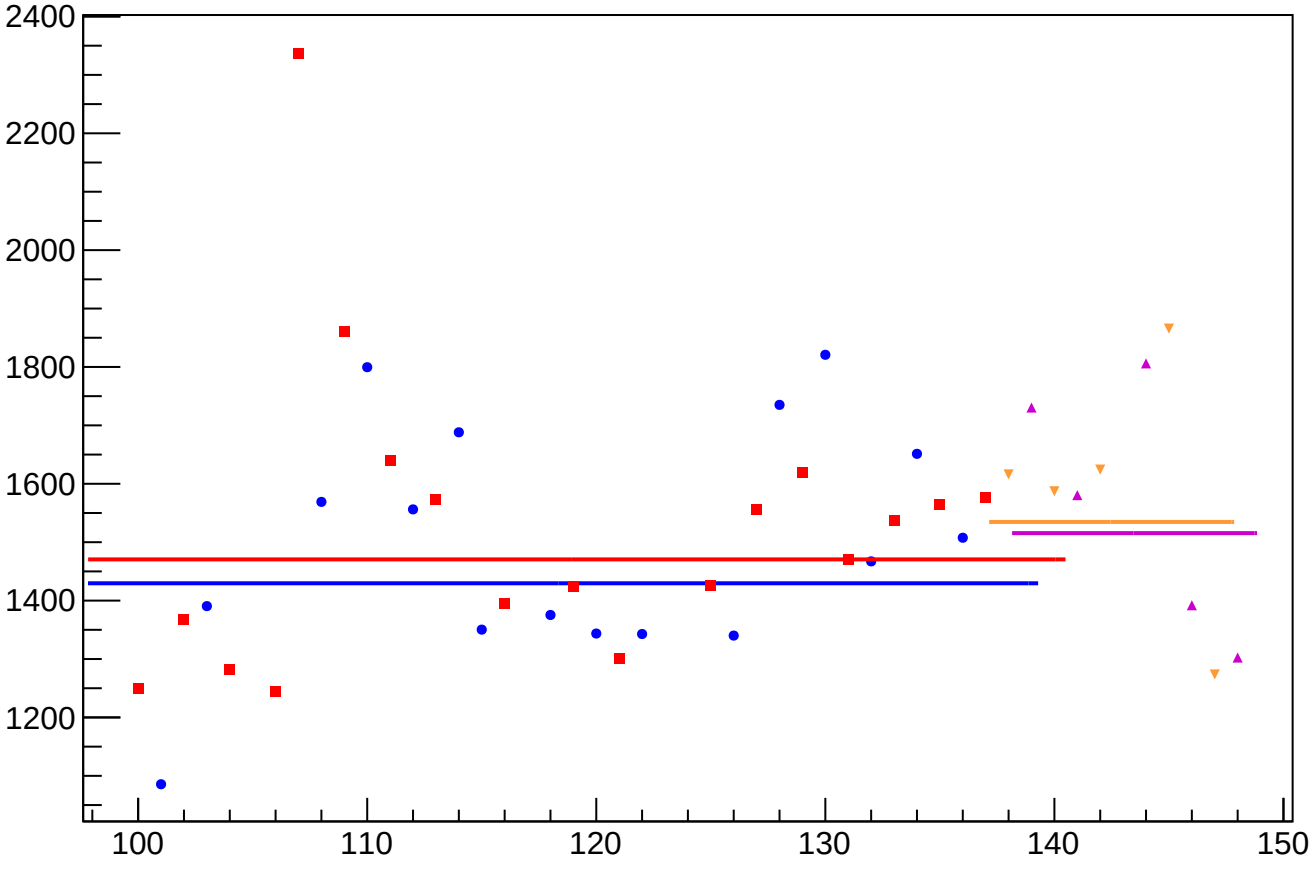
Left In: -1347.656+/-732.286 χ^2/NDF:3.8/4

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

All: 9.680+/-313.237 χ^2/NDF: 75.4/43

- sign -1841.258+/-438.484 χ^2/NDF: 18.2/22

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

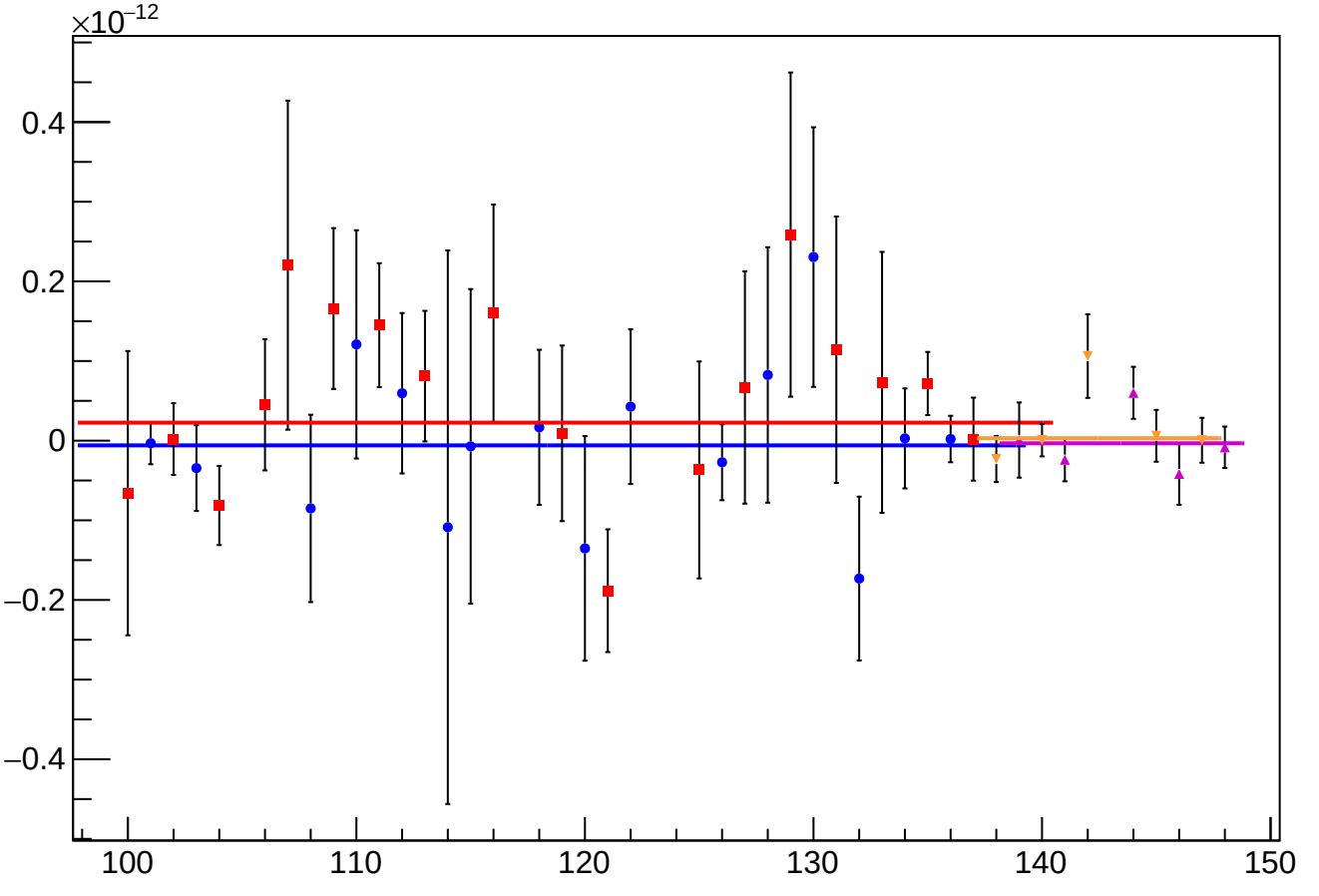
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

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

All: 1474.591+/-0.221 χ^2/NDF: 805671.8/43

- sign 1486.687+/-0.310 χ^2/NDF: 357066.1/22



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/4

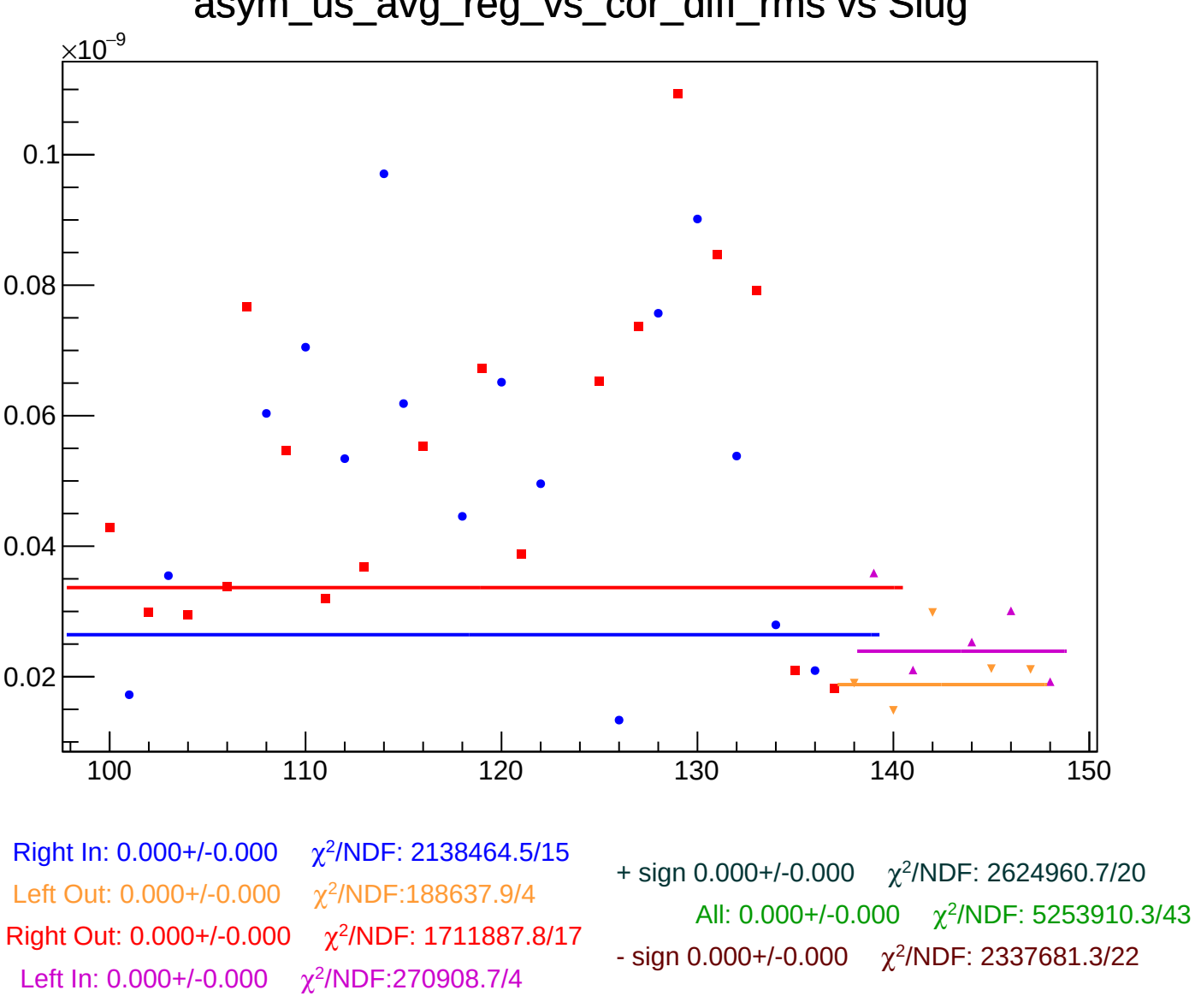
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

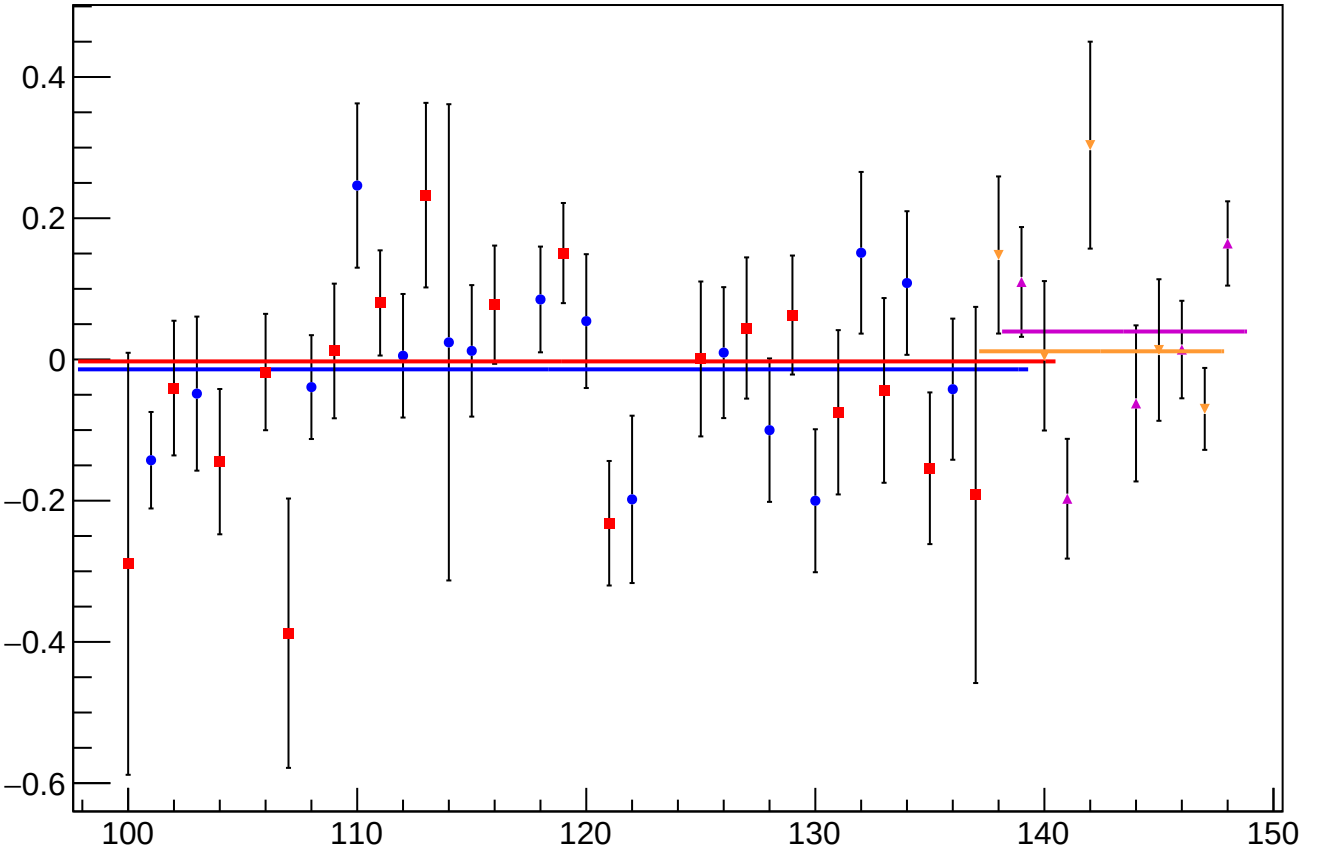
+ sign -0.000+/-0.000 χ^2/NDF: 13.4/20

All: 0.000+/-0.000 χ^2/NDF: 43.4/43

- sign 0.000+/-0.000 χ^2/NDF: 29.7/22


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:188637.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:270908.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2624960.7/20
All: 0.000+/-0.000 χ²/NDF: 5253910.3/43
- sign 0.000+/-0.000 χ²/NDF: 2337681.3/22

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

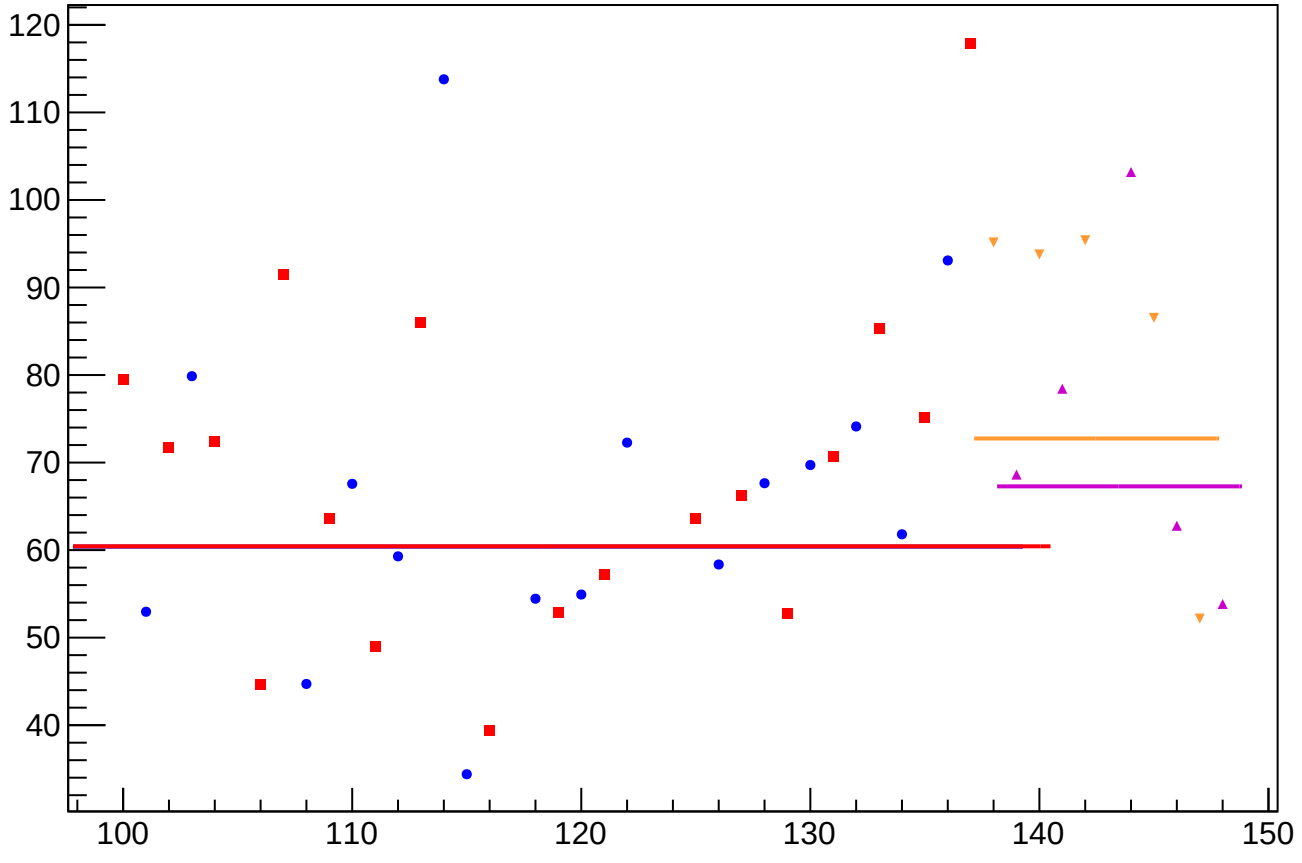
Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

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

All: 0.002+/-0.014 χ^2/NDF: 72.3/43

- sign 0.011+/-0.019 χ^2/NDF: 42.8/22

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

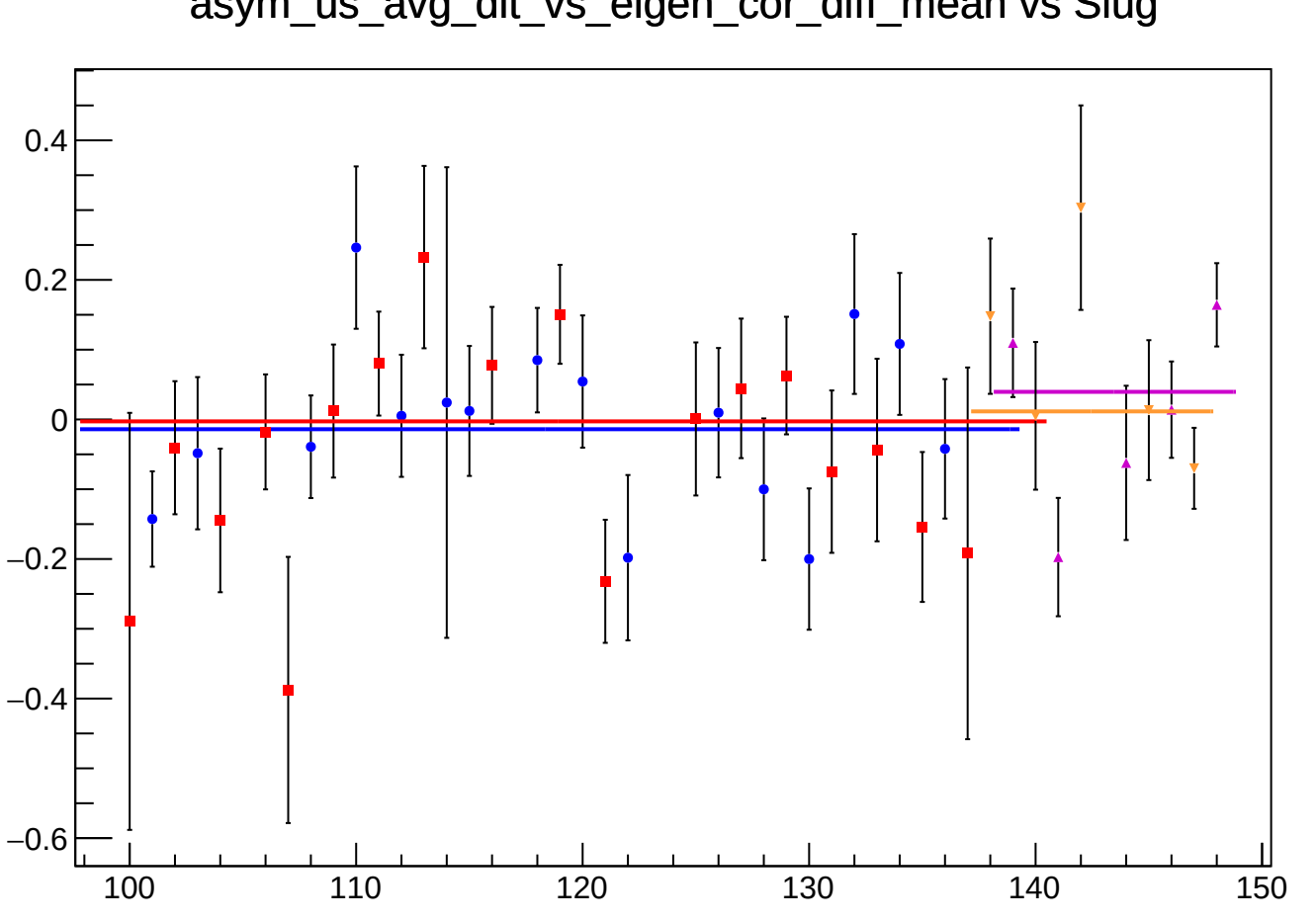
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 67.282+/-0.024 χ^2/NDF:356200.7/4

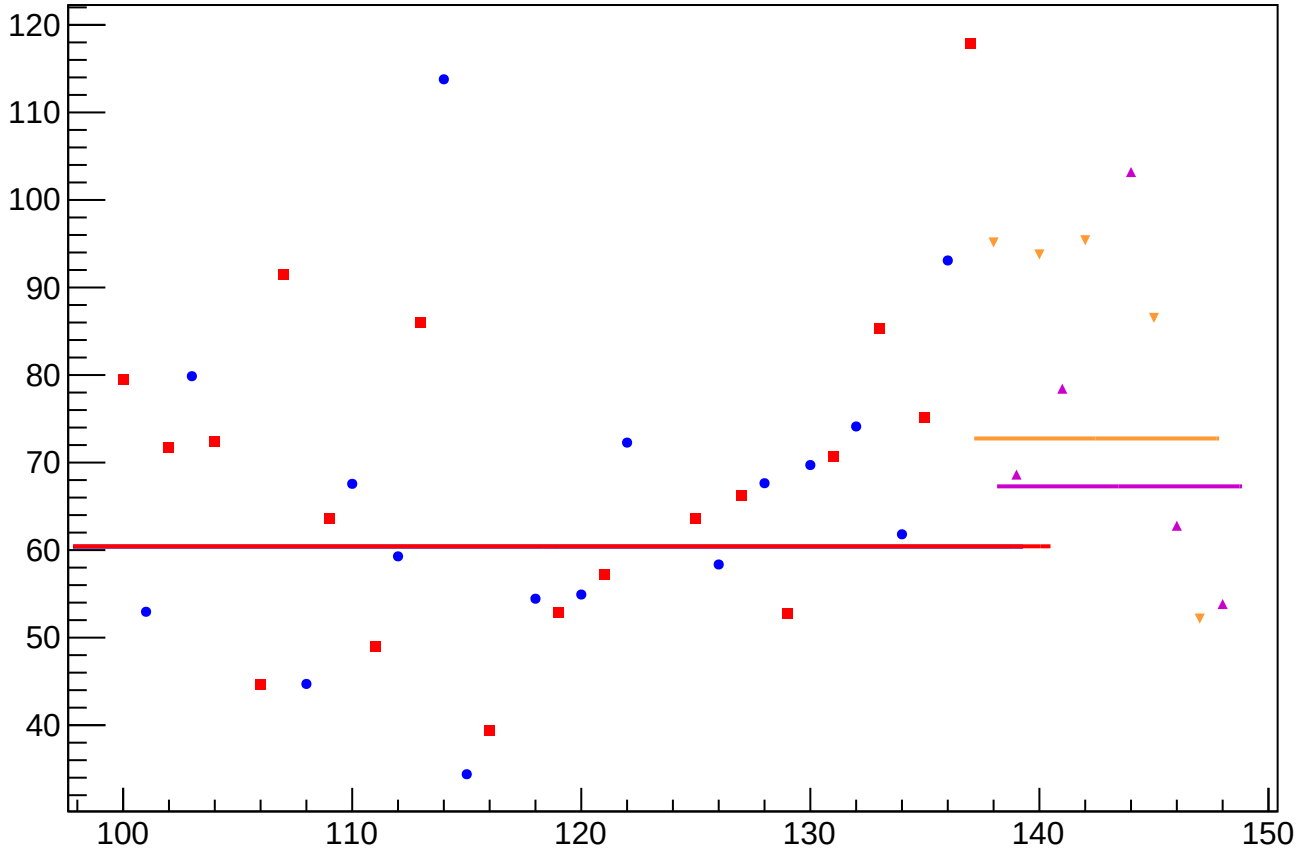
+ sign 63.596+/-0.015 χ^2/NDF: 1338958.3/20

All: 63.126+/-0.010 χ^2/NDF: 2463176.1/43

- sign 62.705+/-0.014 χ^2/NDF: 1122235.8/22


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
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: 0.040+/-0.034 χ²/NDF:14.0/4
+ sign -0.007+/-0.021 χ²/NDF: 29.1/20
All: 0.002+/-0.014 χ²/NDF: 72.3/43
- sign 0.011+/-0.019 χ²/NDF: 42.8/22

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

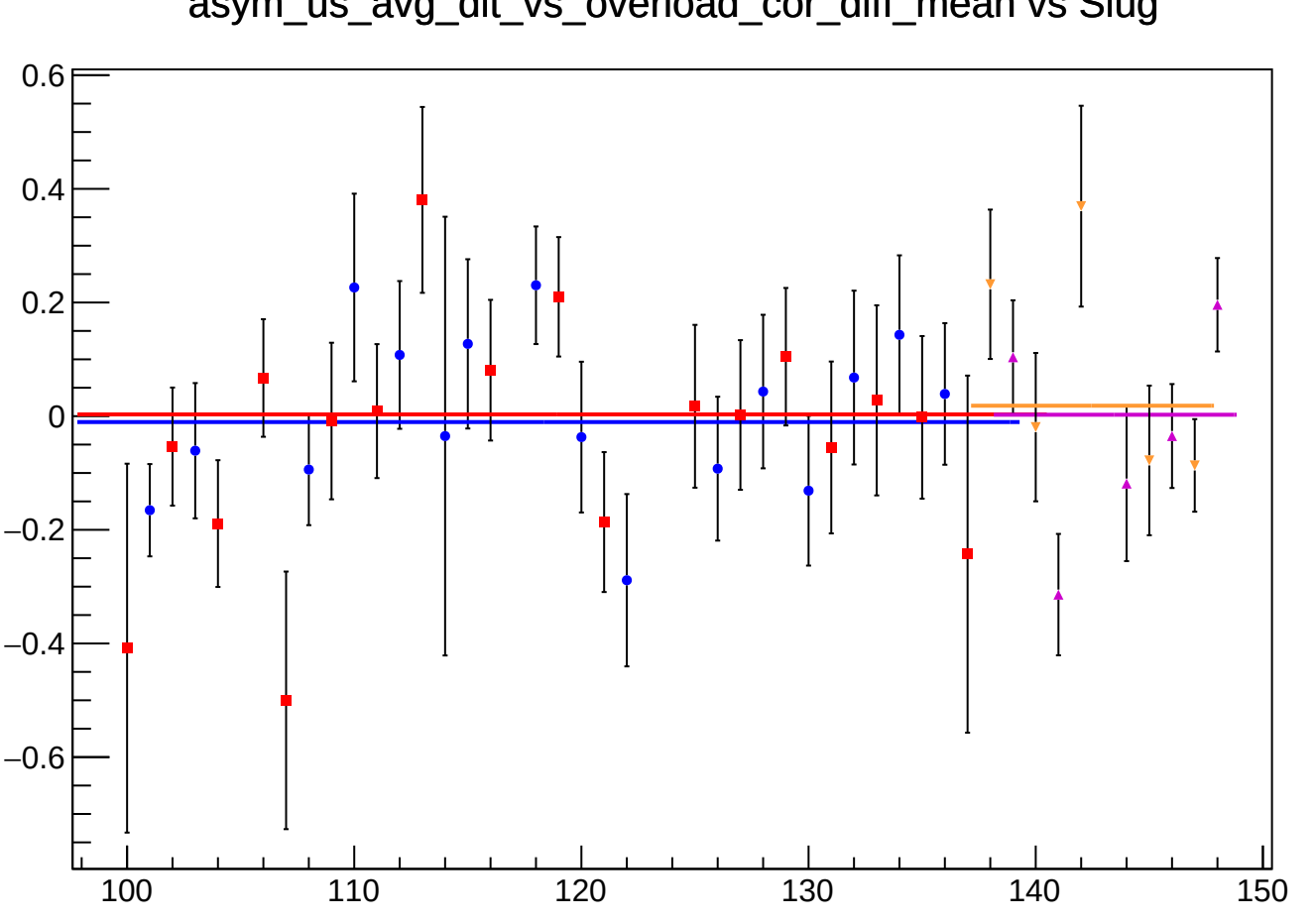
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 67.282+/-0.024 χ^2/NDF:356200.7/4

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

All: 63.126+/-0.010 χ^2/NDF: 2463176.1/43

- sign 62.705+/-0.014 χ^2/NDF: 1122235.8/22



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

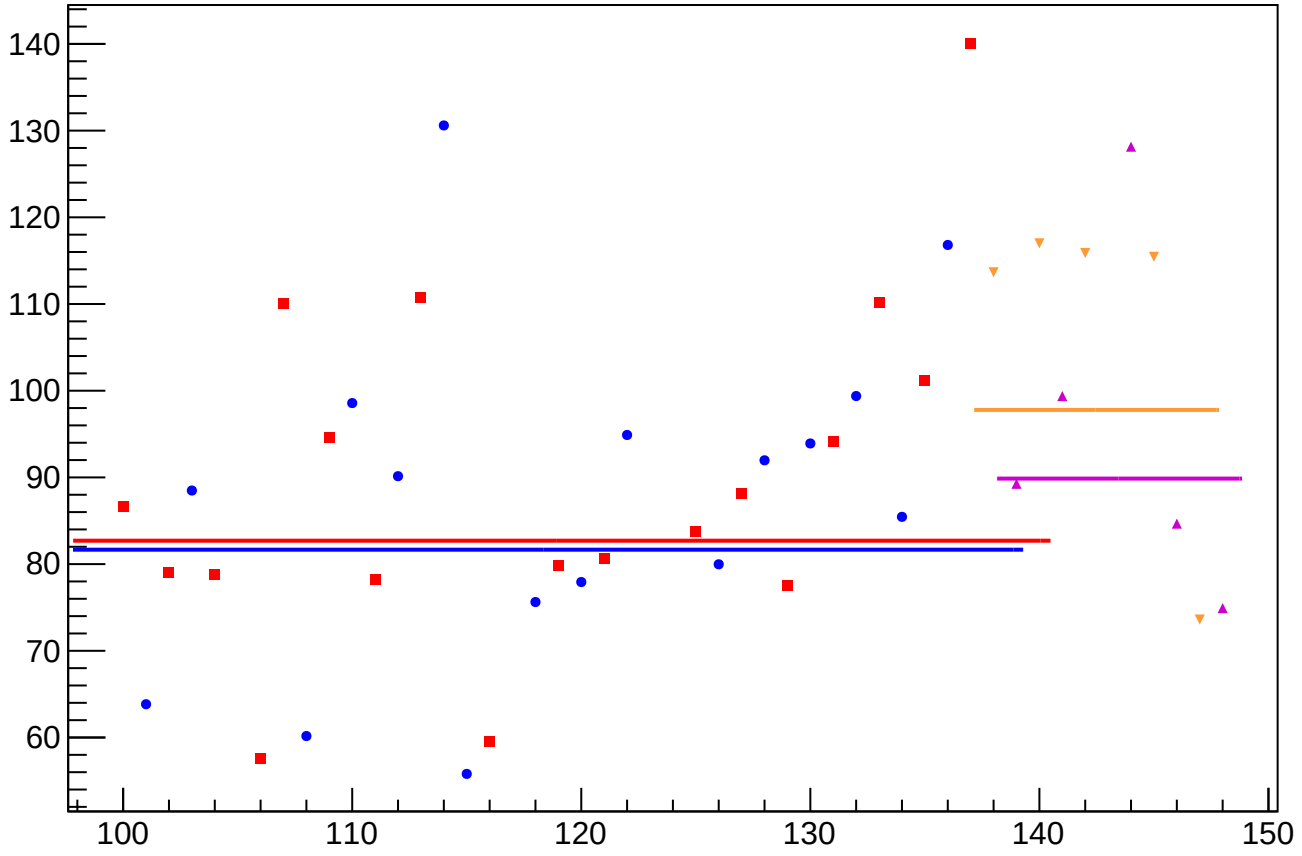
Left In: 0.002+/-0.044 χ^2/NDF:16.3/4

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

All: 0.000+/-0.019 χ^2/NDF: 69.2/43

- sign 0.003+/-0.026 χ^2/NDF: 40.0/22

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

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

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

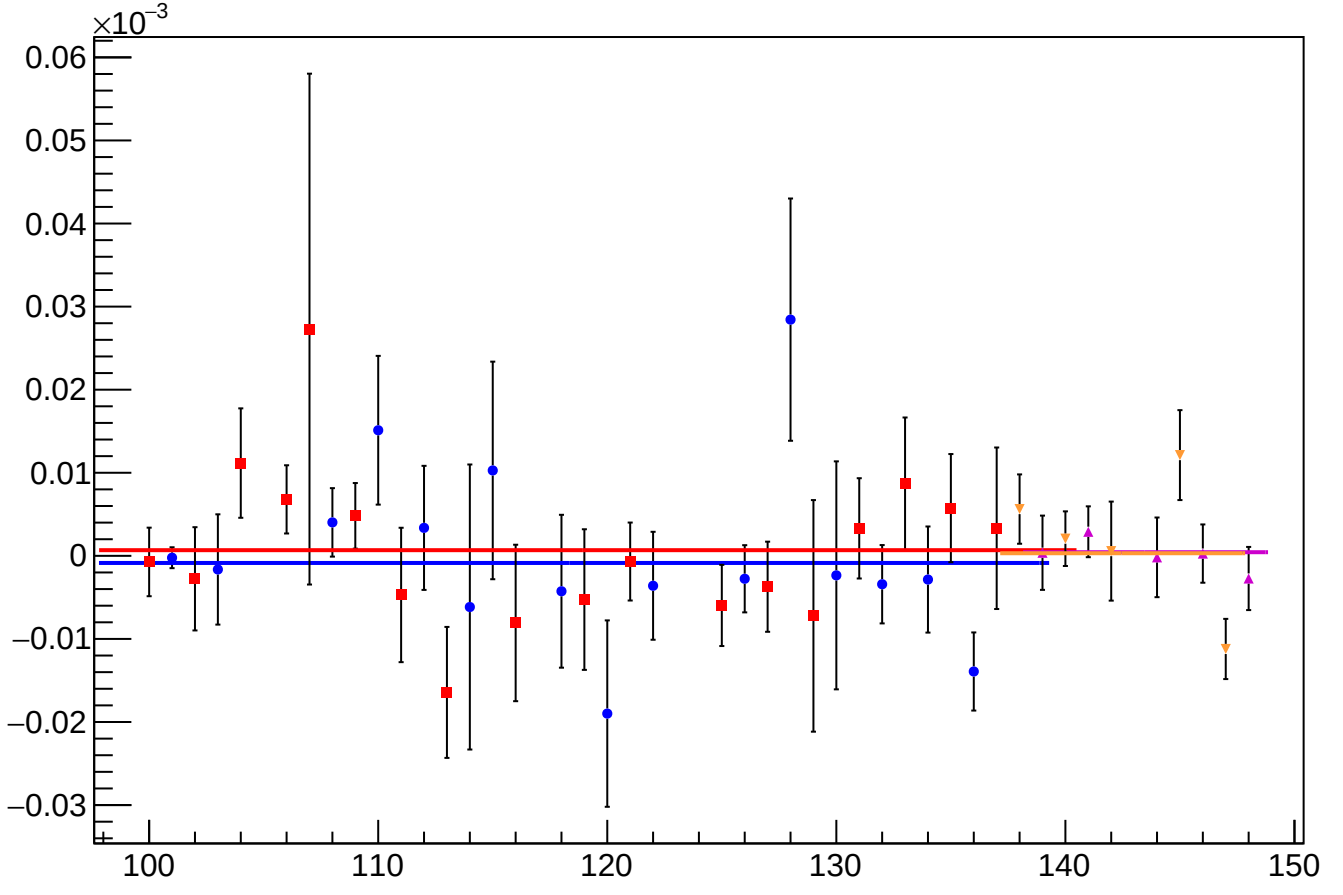
Left In: 89.864+/-0.031 χ^2/NDF:245835.2/4

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

All: 85.496+/-0.013 χ^2/NDF: 1758669.2/43

- sign 85.128+/-0.018 χ^2/NDF: 753405.7/22

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

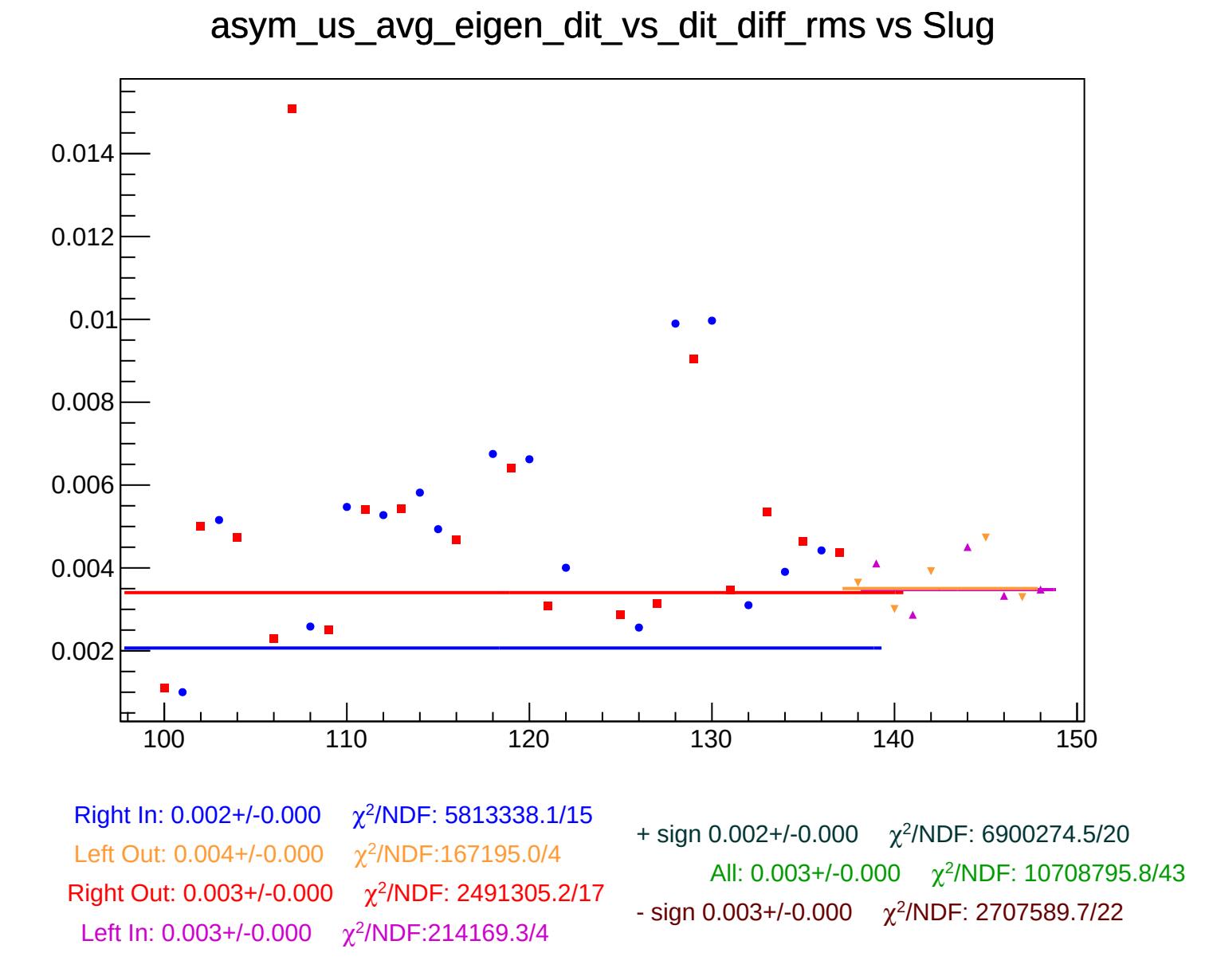
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

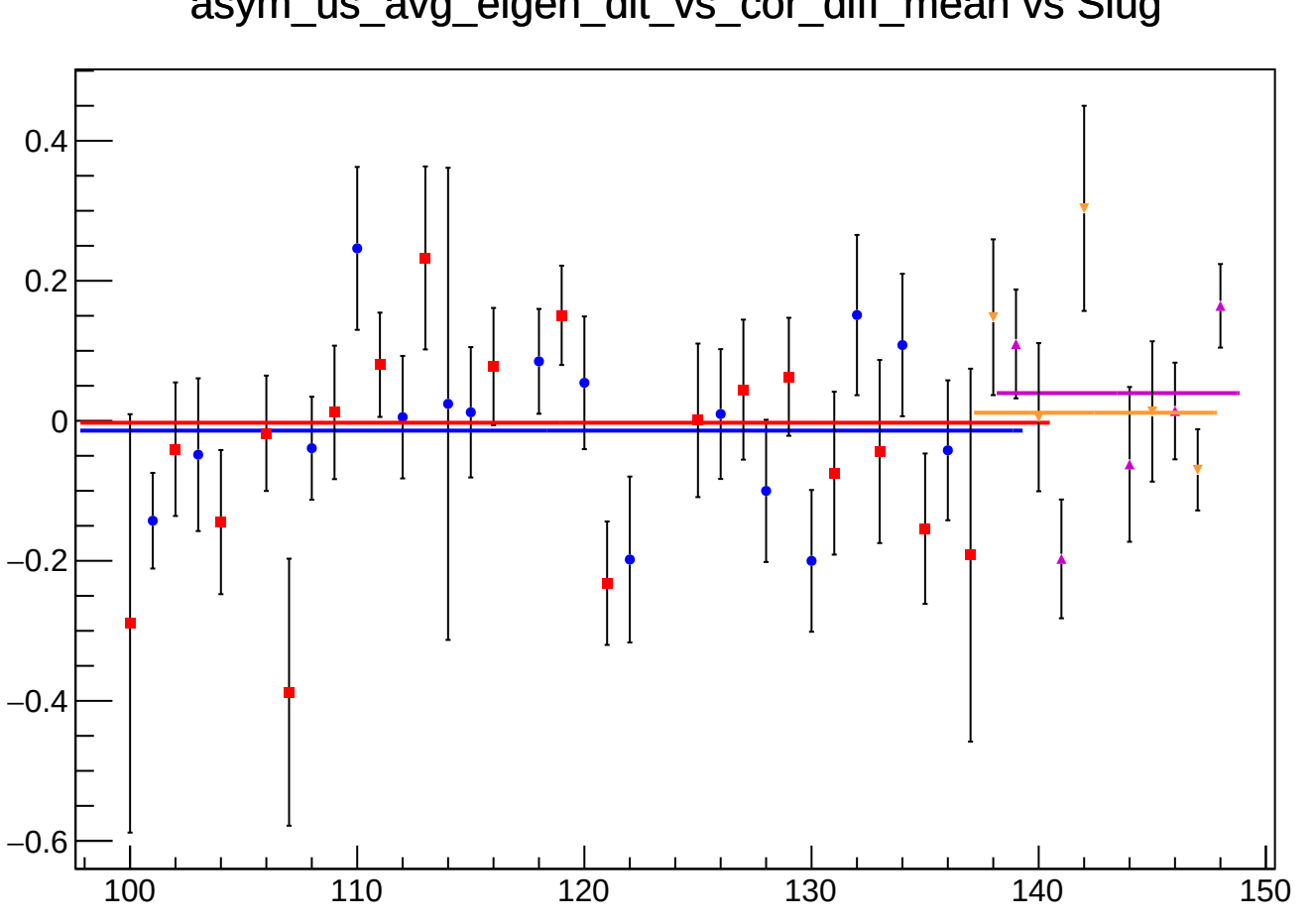
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

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

All: -0.000+/-0.000 χ^2/NDF: 58.8/43

- sign 0.000+/-0.000 χ^2/NDF: 19.7/22


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 5813338.1/15
Left Out: 0.004+/-0.000 χ²/NDF:167195.0/4
Right Out: 0.003+/-0.000 χ²/NDF: 2491305.2/17
Left In: 0.003+/-0.000 χ²/NDF:214169.3/4
+ sign 0.002+/-0.000 χ²/NDF: 6900274.5/20
All: 0.003+/-0.000 χ²/NDF: 10708795.8/43
- sign 0.003+/-0.000 χ²/NDF: 2707589.7/22



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

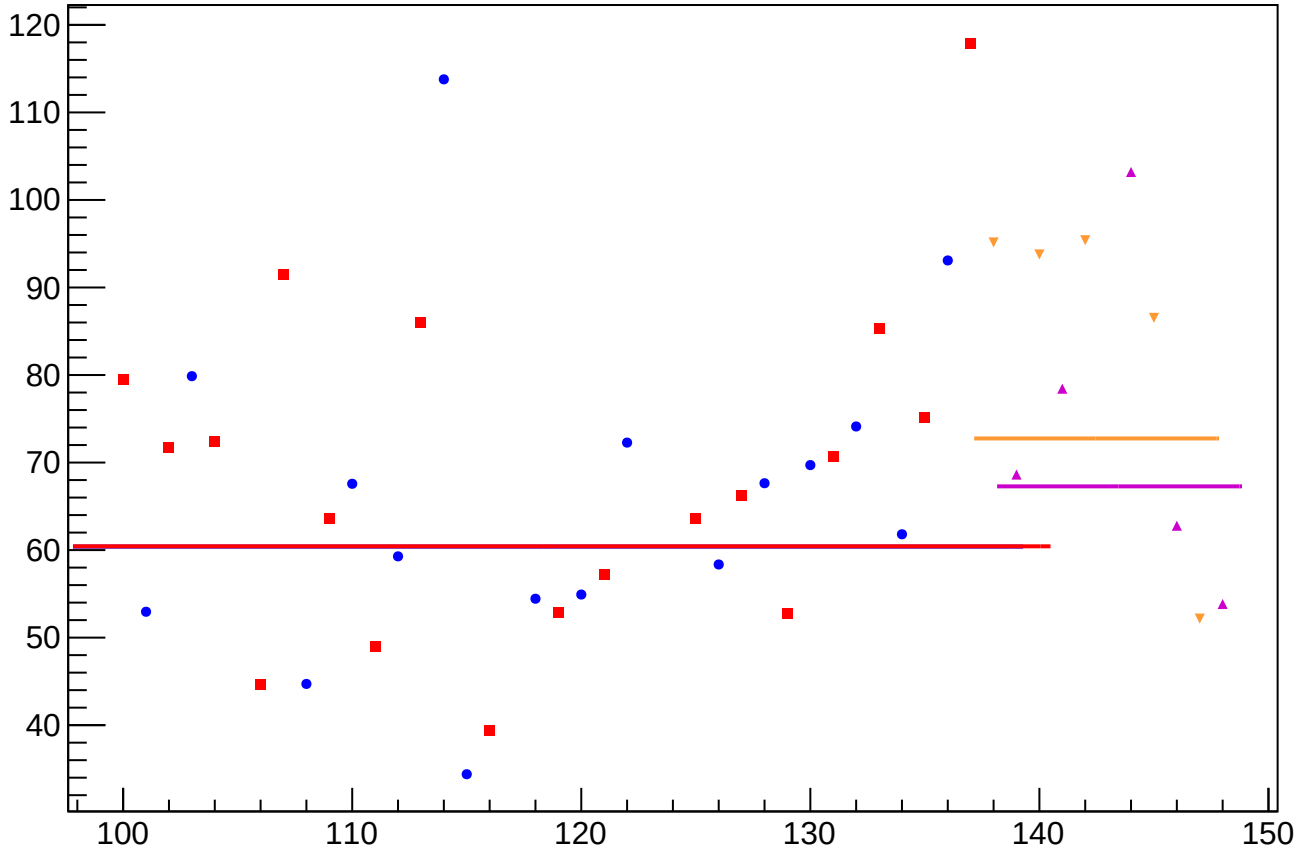
Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

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

All: 0.002+/-0.014 χ^2/NDF: 72.3/43

- sign 0.011+/-0.019 χ^2/NDF: 42.8/22

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 72.753+/-0.029 χ^2/NDF:497062.9/4

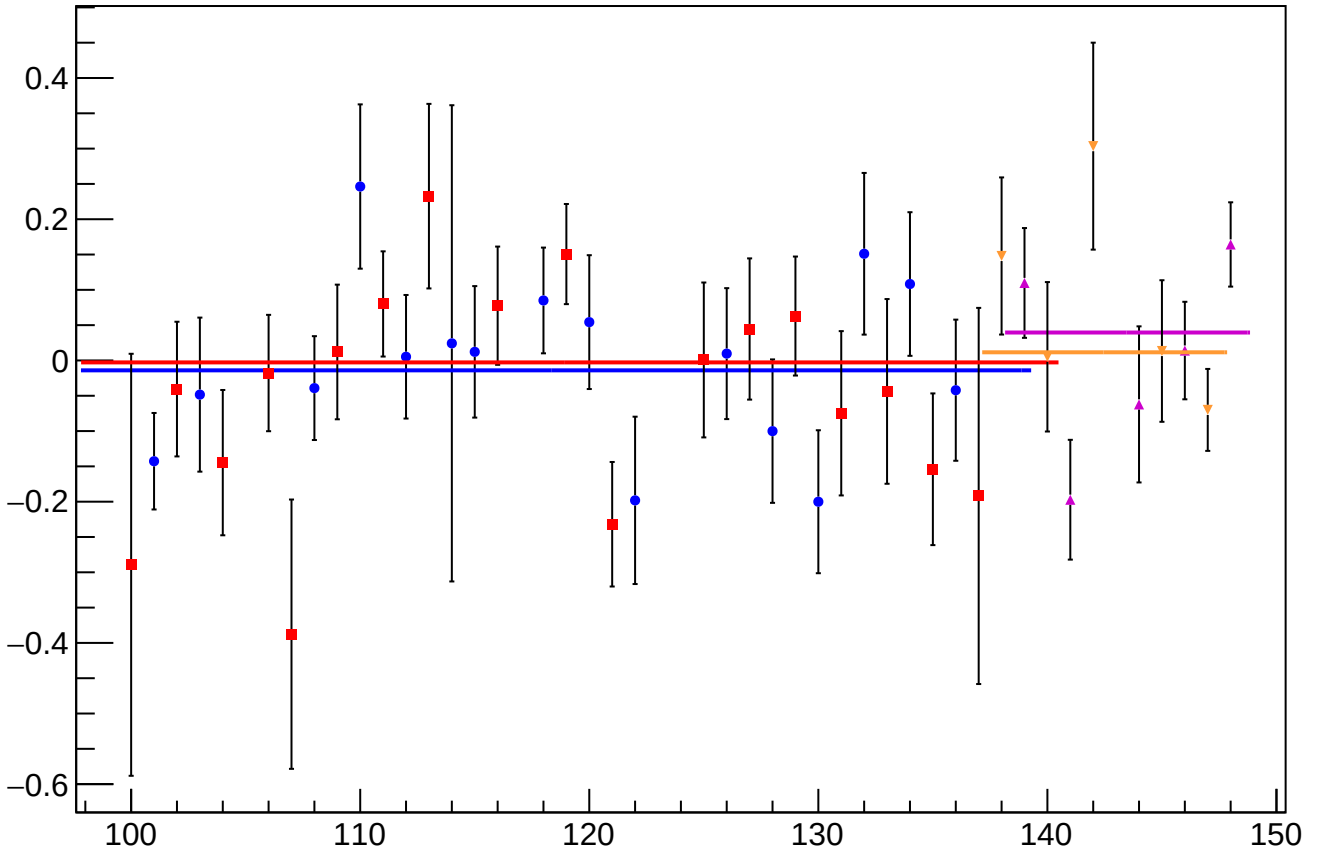
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 67.282+/-0.024 χ^2/NDF:356197.3/4

+ sign 63.595+/-0.015 χ^2/NDF: 1339002.8/20

All: 63.125+/-0.010 χ^2/NDF: 2463278.0/43

- sign 62.704+/-0.014 χ^2/NDF: 1122292.9/22



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

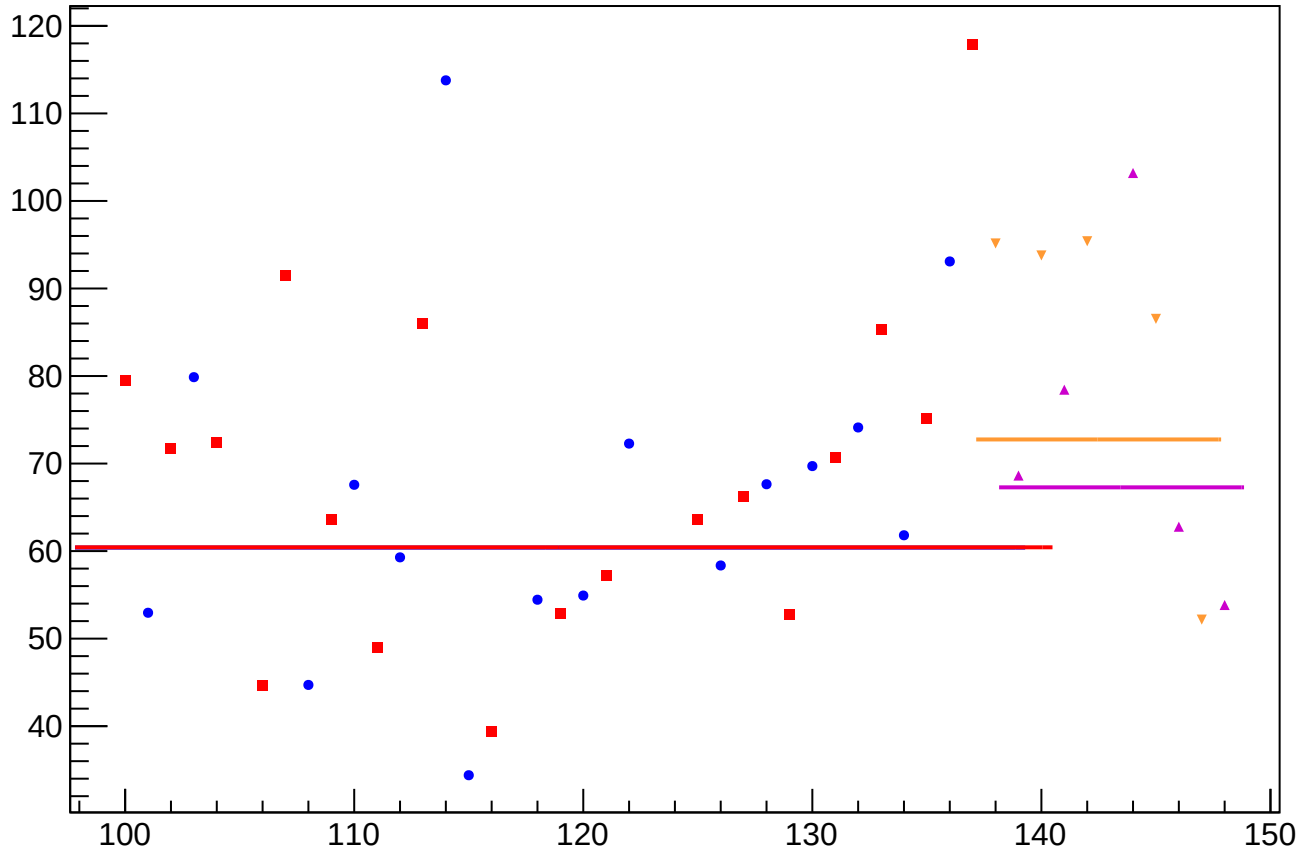
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

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

All: 0.002+/-0.014 χ^2/NDF: 72.3/43

- sign 0.011+/-0.019 χ^2/NDF: 42.8/22



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

Left Out: 72.753+/-0.029 χ^2/NDF:497062.9/4

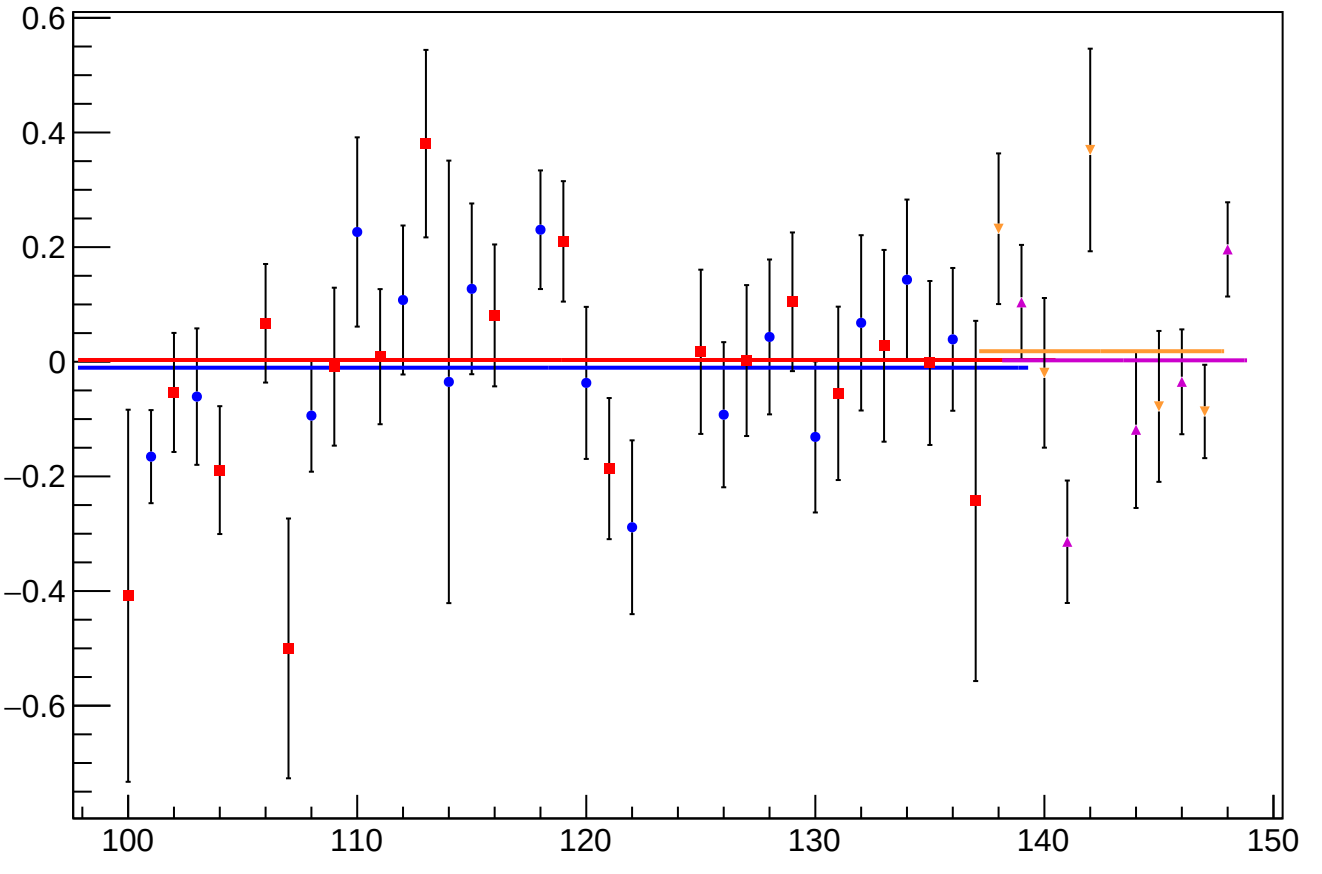
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 67.282+/-0.024 χ^2/NDF:356197.3/4

+ sign 63.595+/-0.015 χ^2/NDF: 1339002.8/20

All: 63.125+/-0.010 χ^2/NDF: 2463278.0/43

- sign 62.704+/-0.014 χ^2/NDF: 1122292.9/22



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

Left Out: 0.018+/-0.053 χ^2/NDF:8.9/4

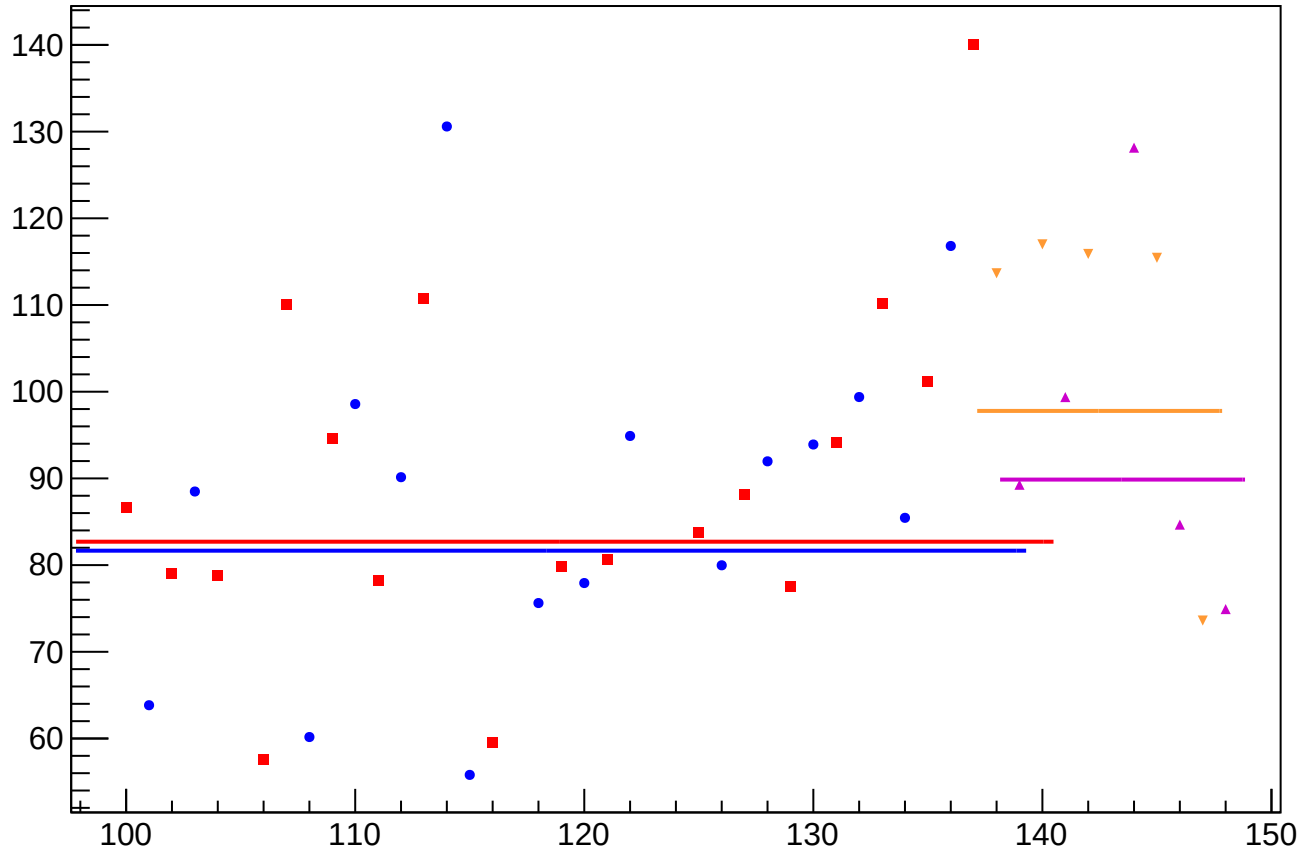
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.002+/-0.044 χ^2/NDF:16.3/4

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

All: 0.000+/-0.019 χ^2/NDF: 69.2/43

\- sign 0.003+/-0.026 χ^2/NDF: 40.0/22



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

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

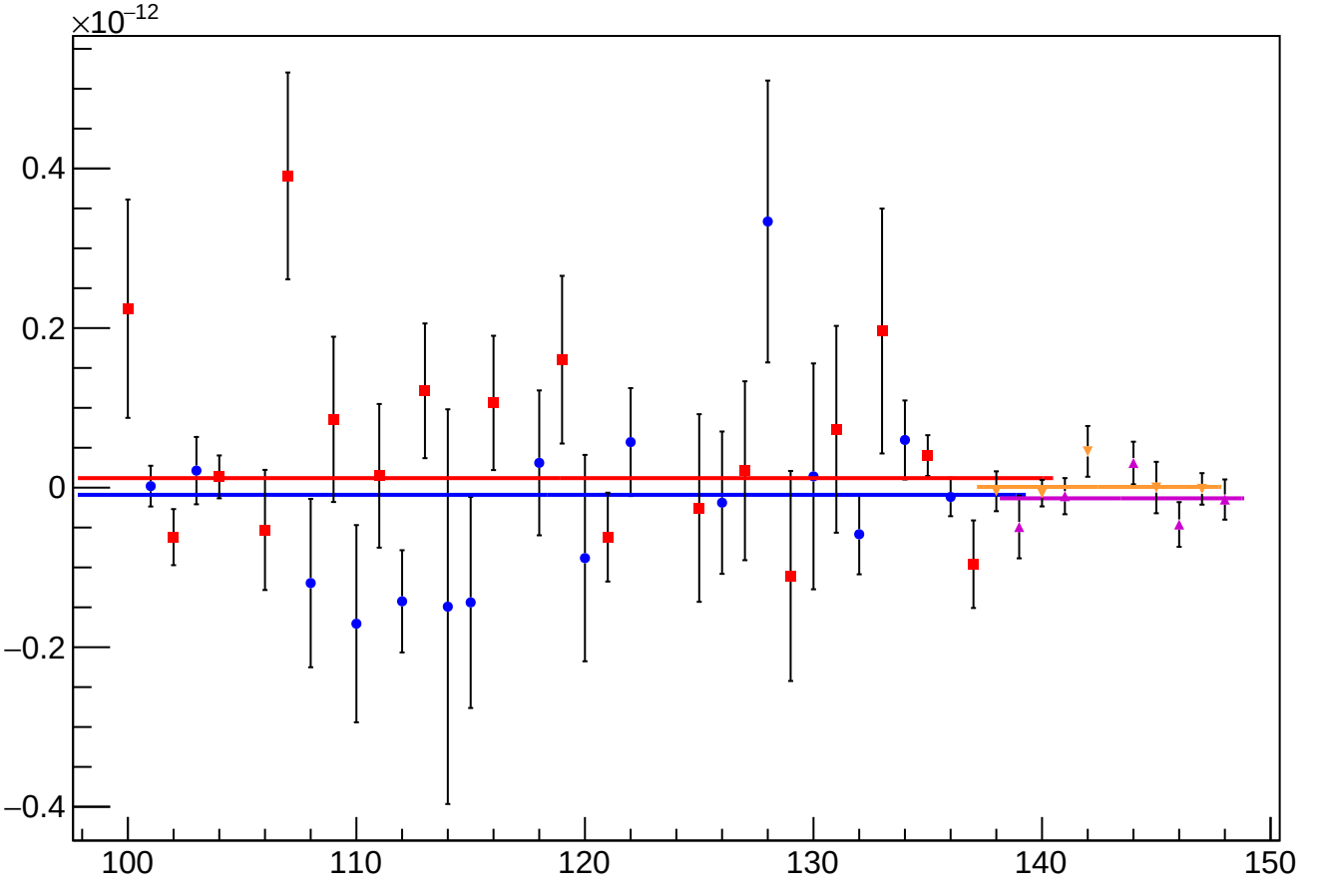
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 89.864+/-0.031 χ^2/NDF:245833.6/4

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

All: 85.495+/-0.013 χ^2/NDF: 1758678.9/43

- sign 85.127+/-0.018 χ^2/NDF: 753413.2/22



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

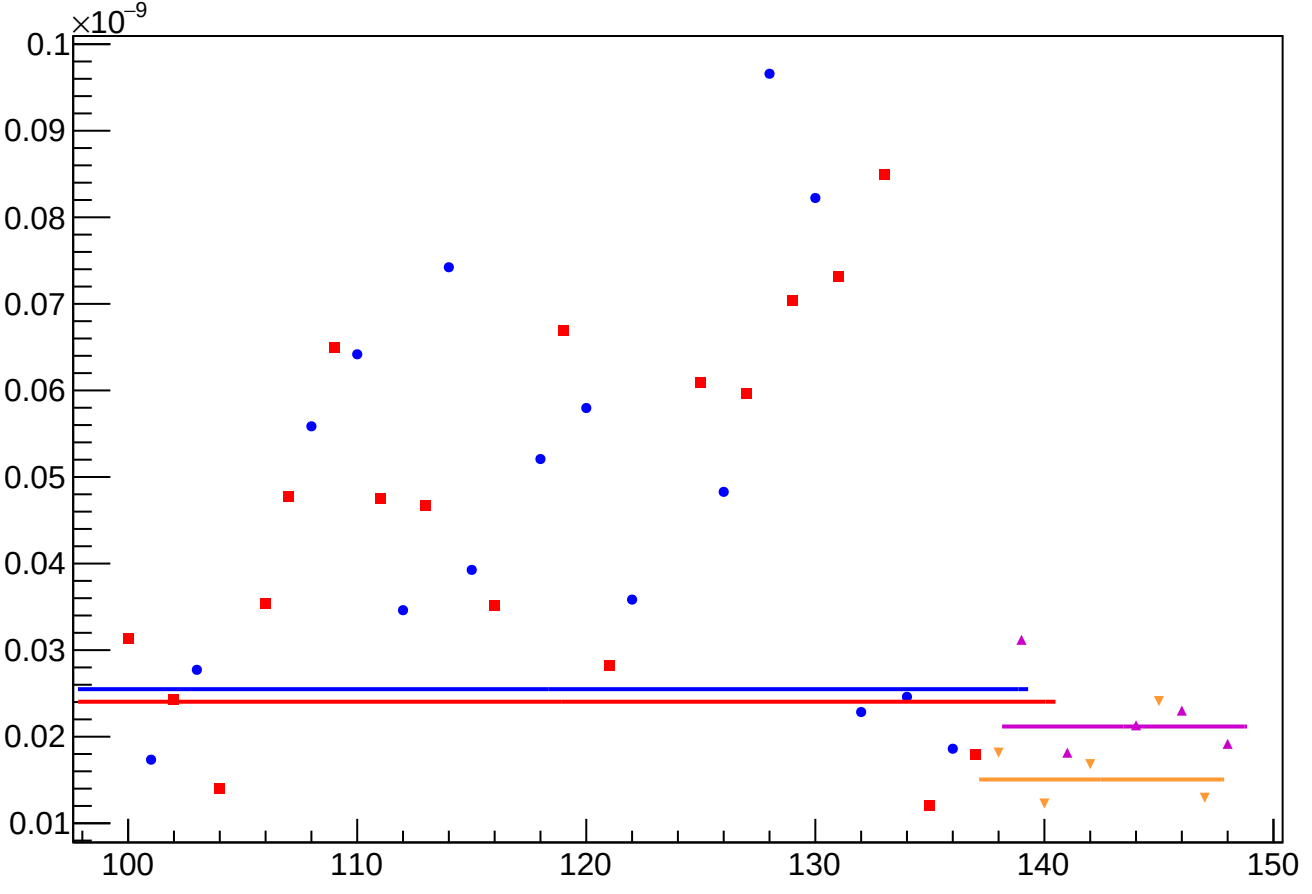
Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

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

All: -0.000+/-0.000 χ^2/NDF: 58.1/43

- sign -0.000+/-0.000 χ^2/NDF: 38.0/22

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

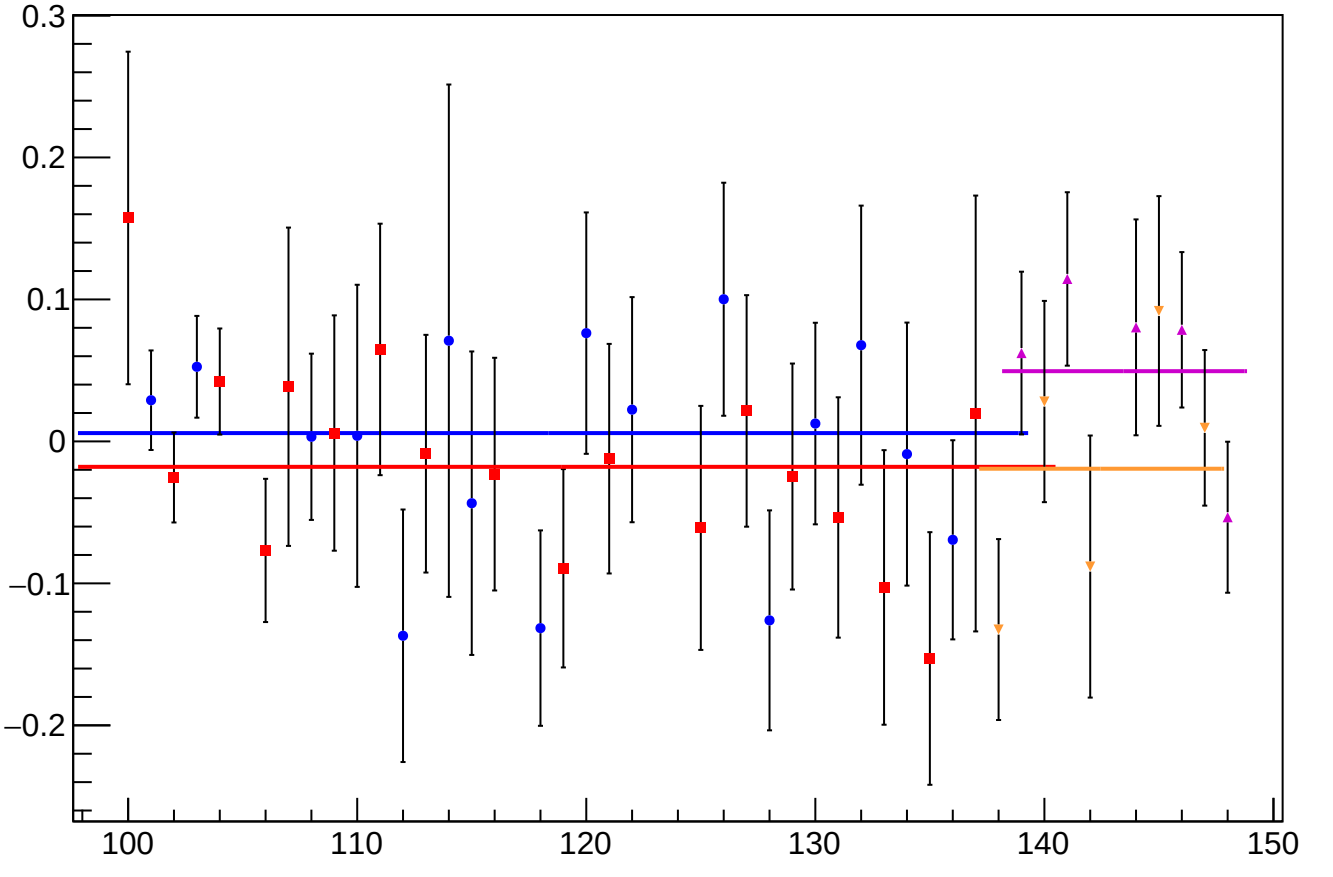
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:187097.4/4

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

All: 0.000+/-0.000 χ^2/NDF: 6551608.0/43

\- sign 0.000+/-0.000 χ^2/NDF: 3322096.5/22



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

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

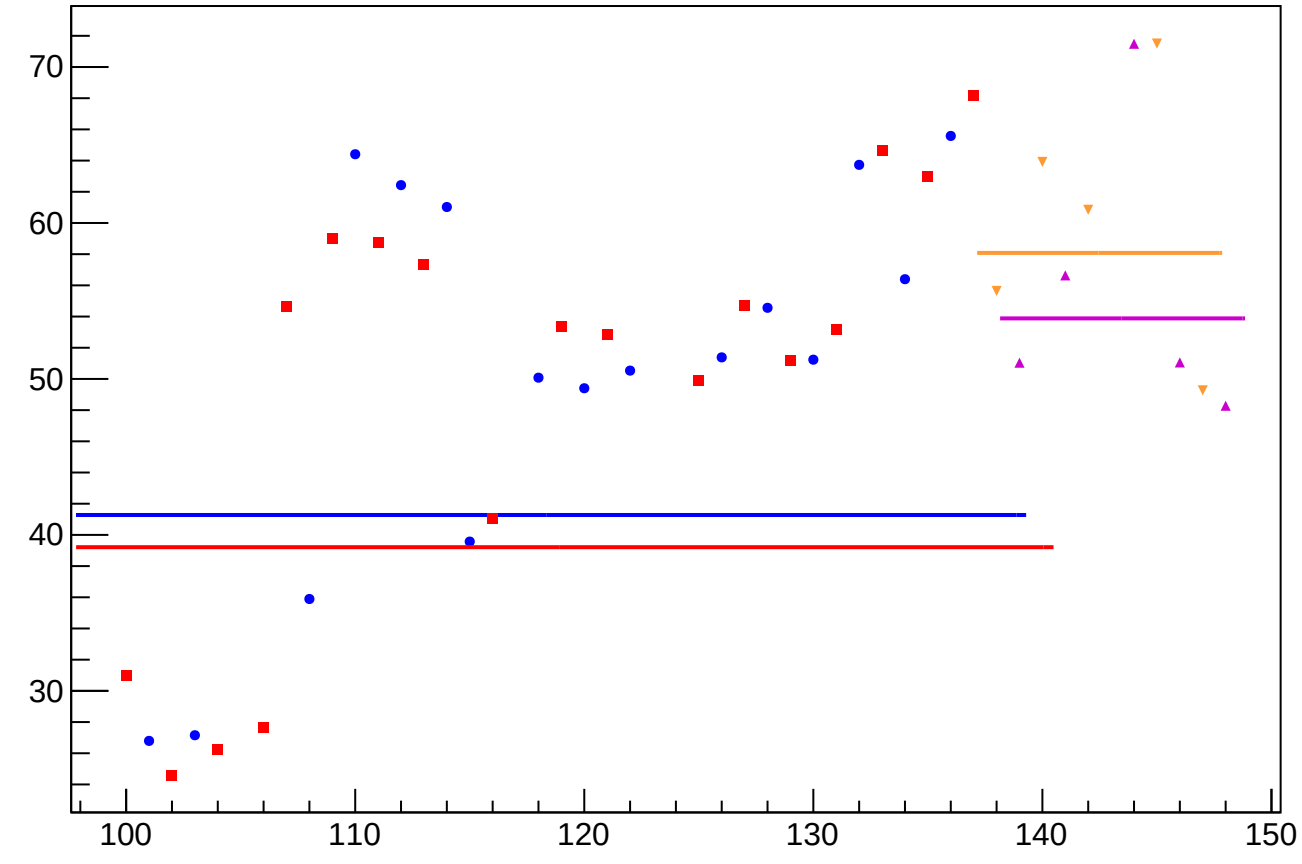
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.049+/-0.026 χ^2/NDF:5.4/4

+ sign 0.000+/-0.015 χ^2/NDF: 22.4/20

All: -0.000+/-0.010 χ^2/NDF: 44.9/43

- sign -0.000+/-0.014 χ^2/NDF: 22.5/22



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

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

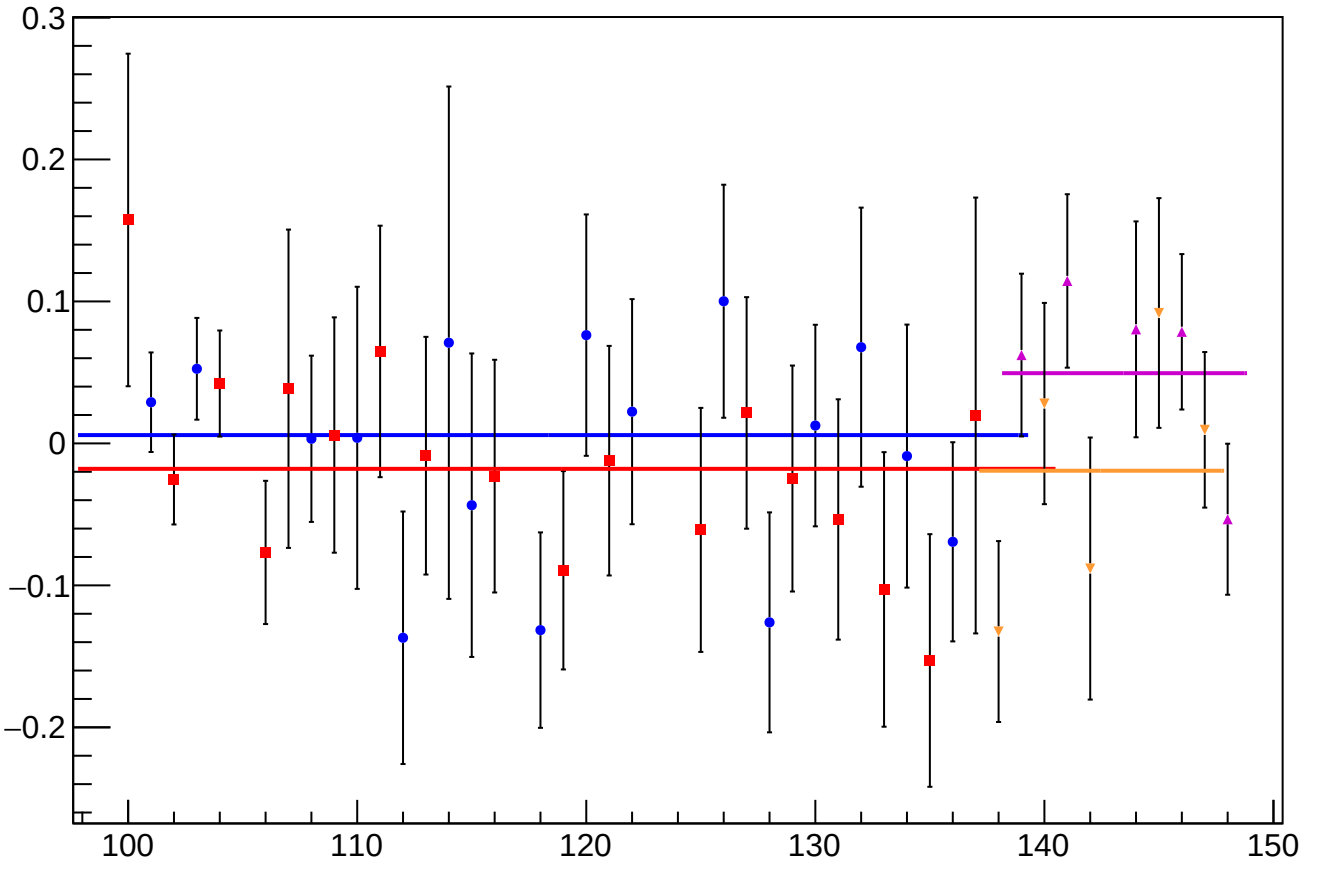
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 53.882+/-0.019 χ^2/NDF:143757.2/4

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

All: 43.962+/-0.007 χ^2/NDF: 4529155.5/43

- sign 43.053+/-0.010 χ^2/NDF: 2418868.4/22



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

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

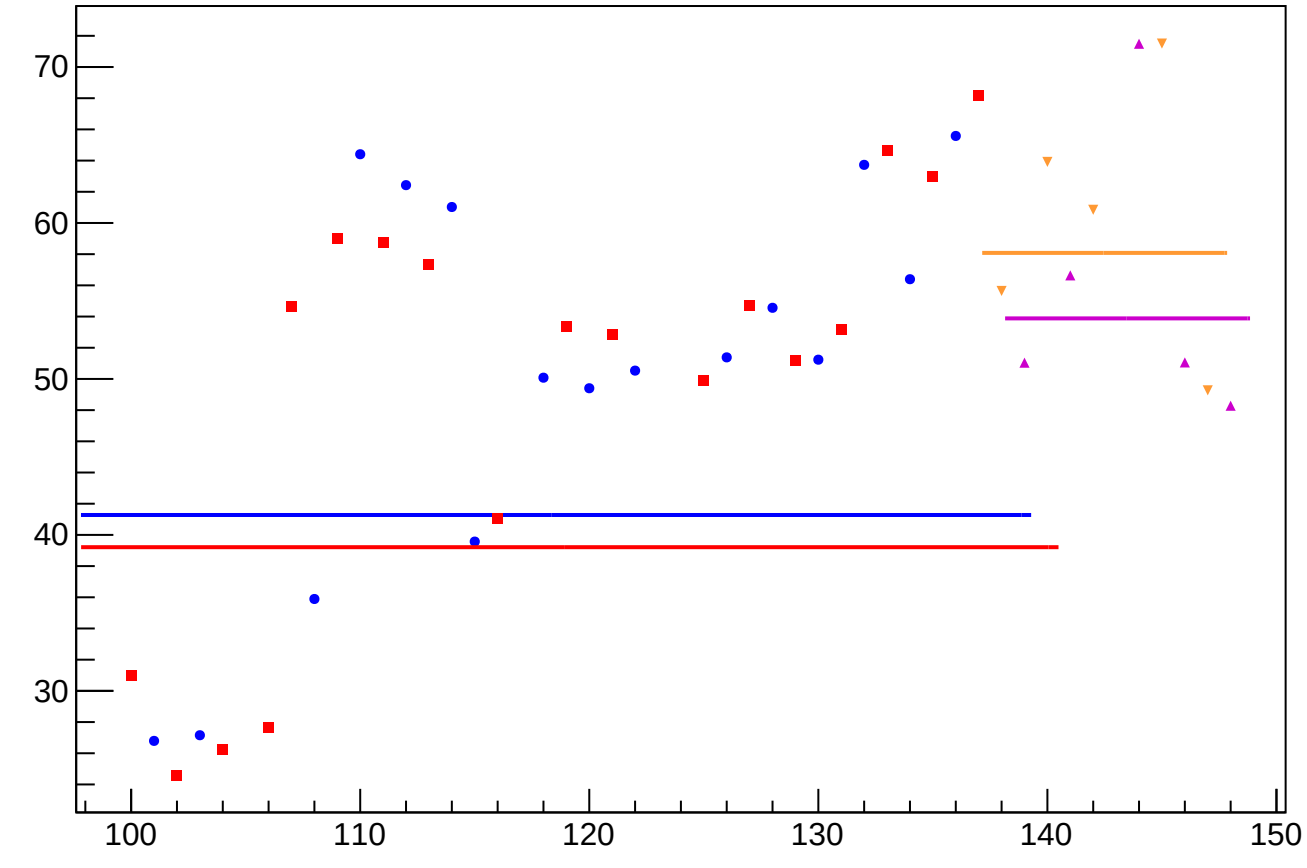
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.049+/-0.026 χ^2/NDF:5.4/4

+ sign 0.000+/-0.015 χ^2/NDF: 22.4/20

All: -0.000+/-0.010 χ^2/NDF: 44.9/43

- sign -0.000+/-0.014 χ^2/NDF: 22.5/22



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

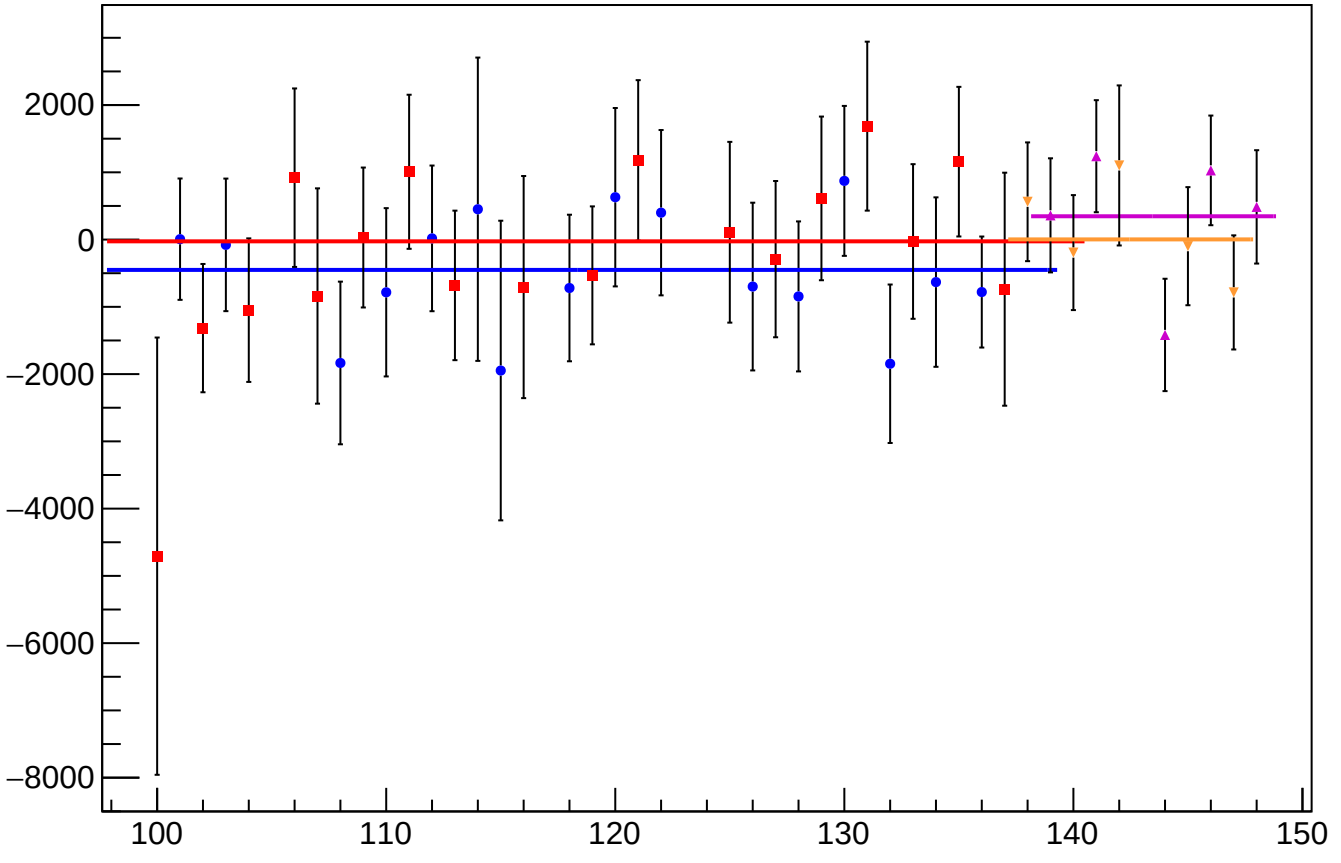
Left In: 53.882+/-0.019 χ^2/NDF:143757.2/4

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

All: 43.962+/-0.007 χ^2/NDF: 4529155.5/43

- sign 43.053+/-0.010 χ^2/NDF: 2418868.4/22

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

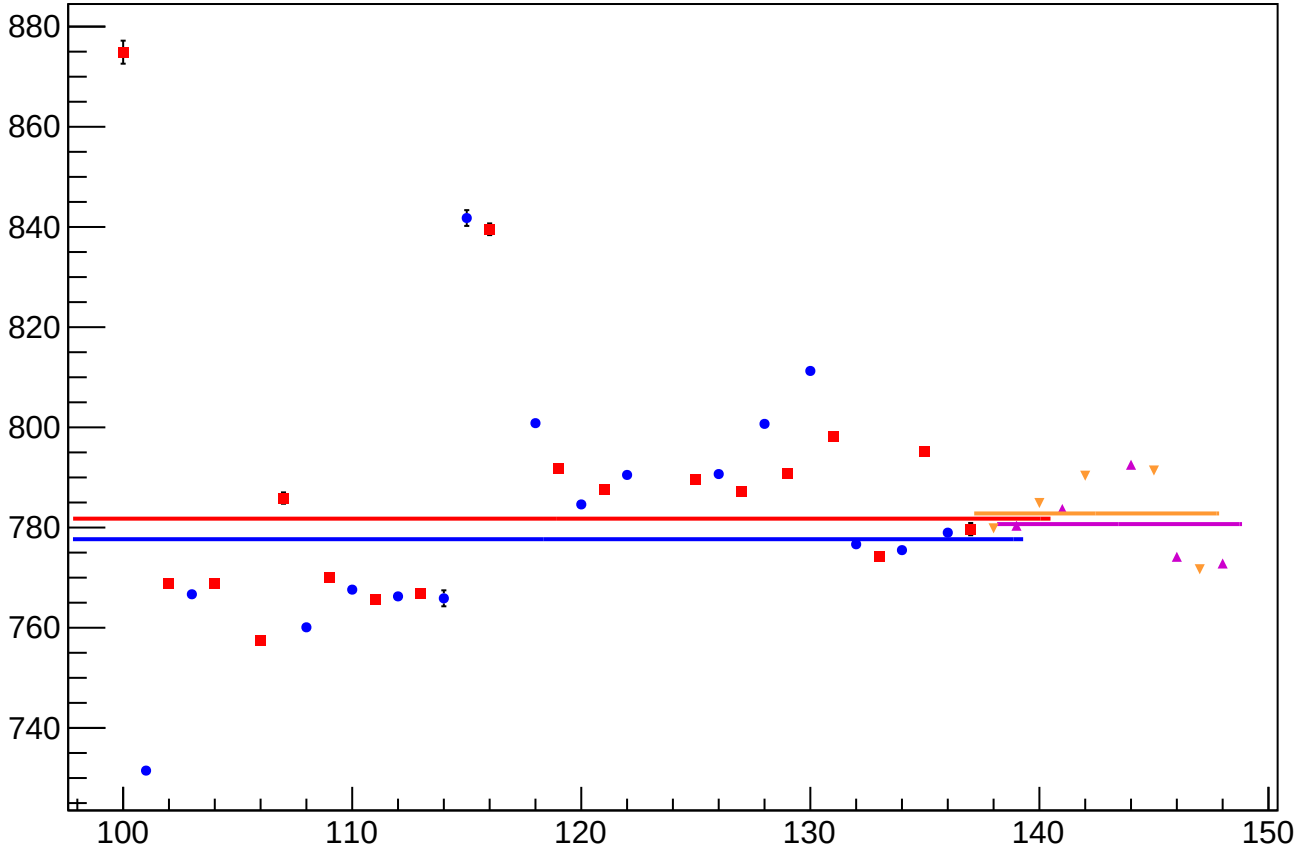
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

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

All: -86.220+/-163.845 χ^2/NDF: 30.2/43

\- sign 113.035+/-228.052 χ^2/NDF: 18.6/22

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

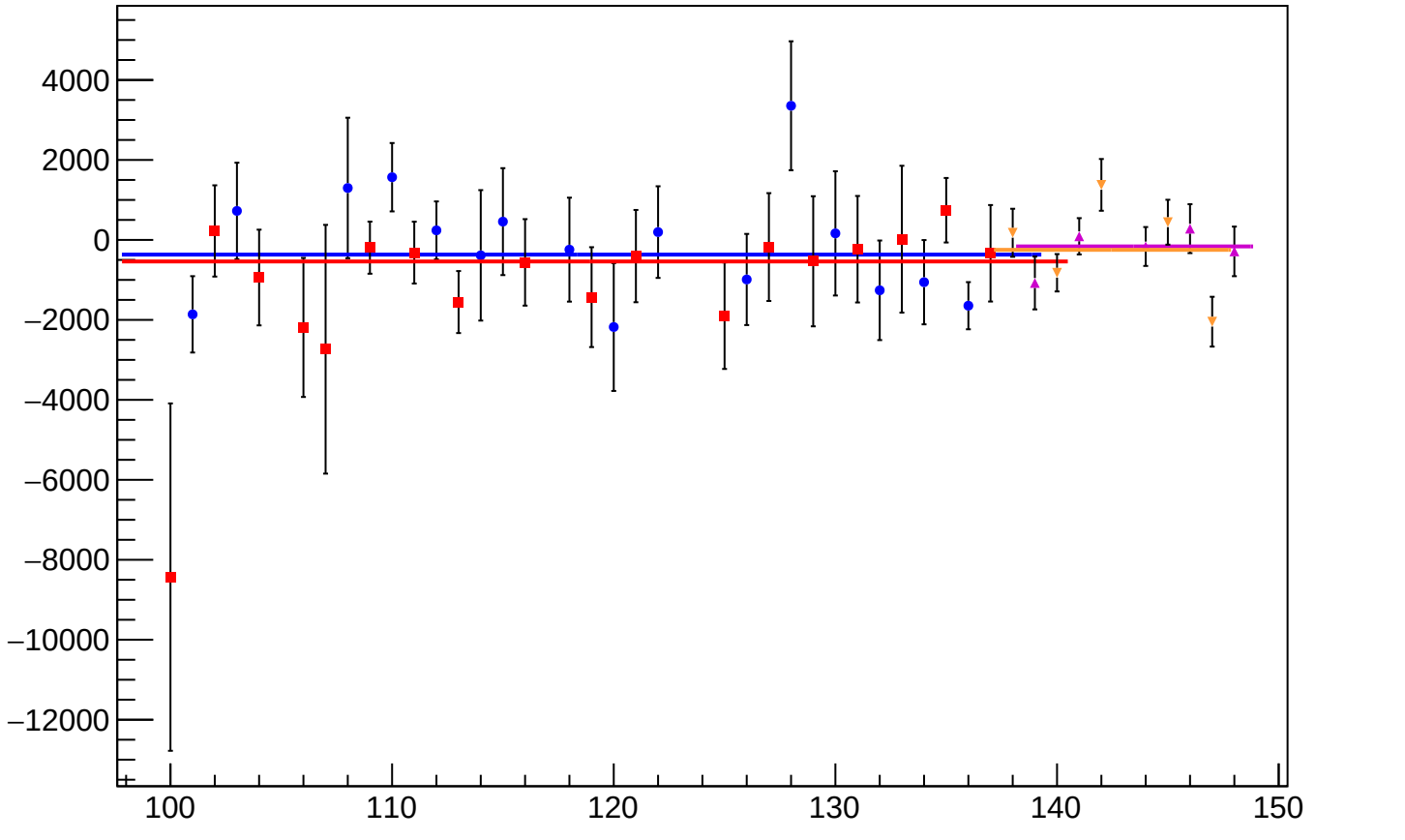
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

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

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43

\- sign 781.371+/-0.161 χ^2/NDF: 8368.2/22



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

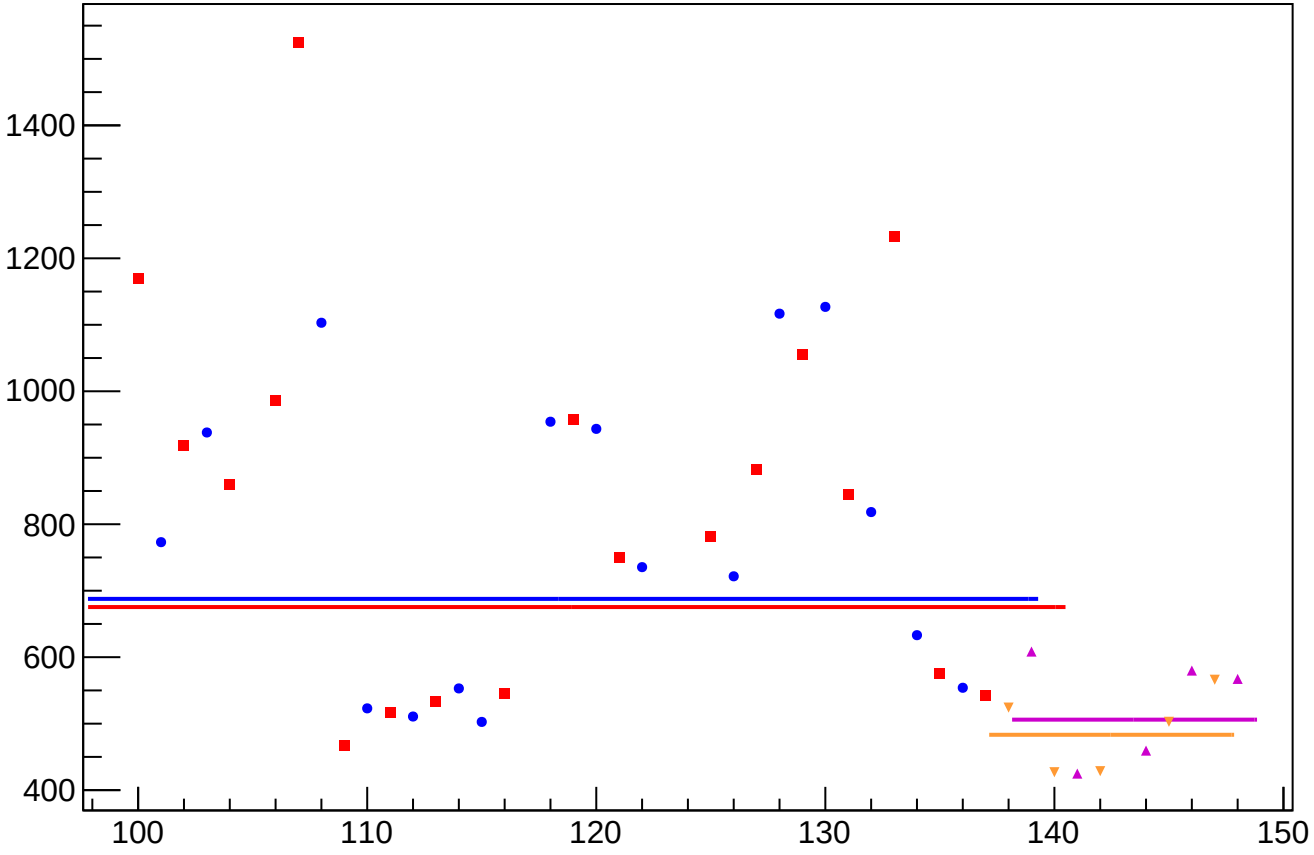
Left In: -162.606+/-245.126 χ^2/NDF:2.8/4

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

All: -321.625+/-128.396 χ^2/NDF: 57.1/43

- sign -337.593+/-179.287 χ^2/NDF: 15.5/22

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

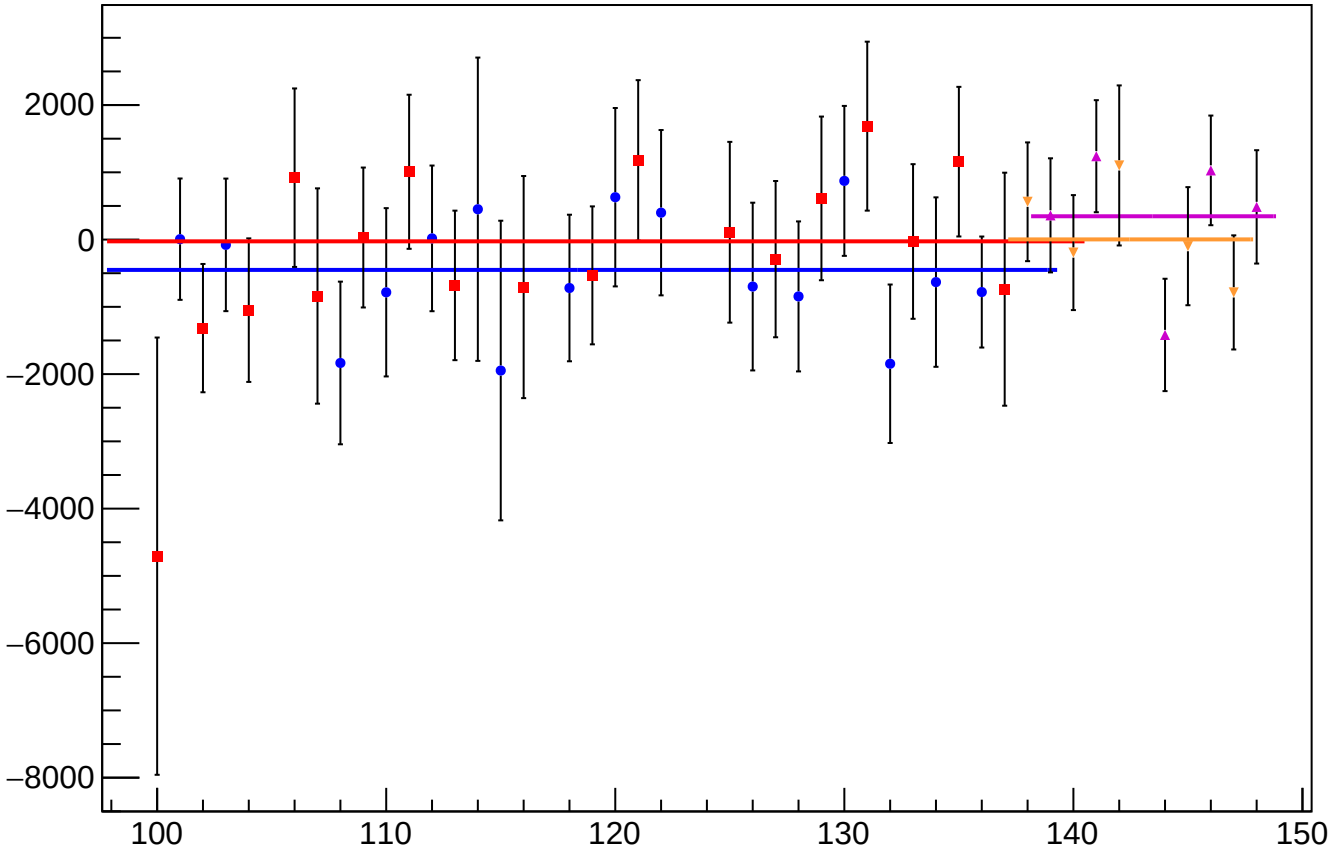
Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

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

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43

- sign 584.803+/-0.127 χ^2/NDF: 1935942.3/22

cor_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

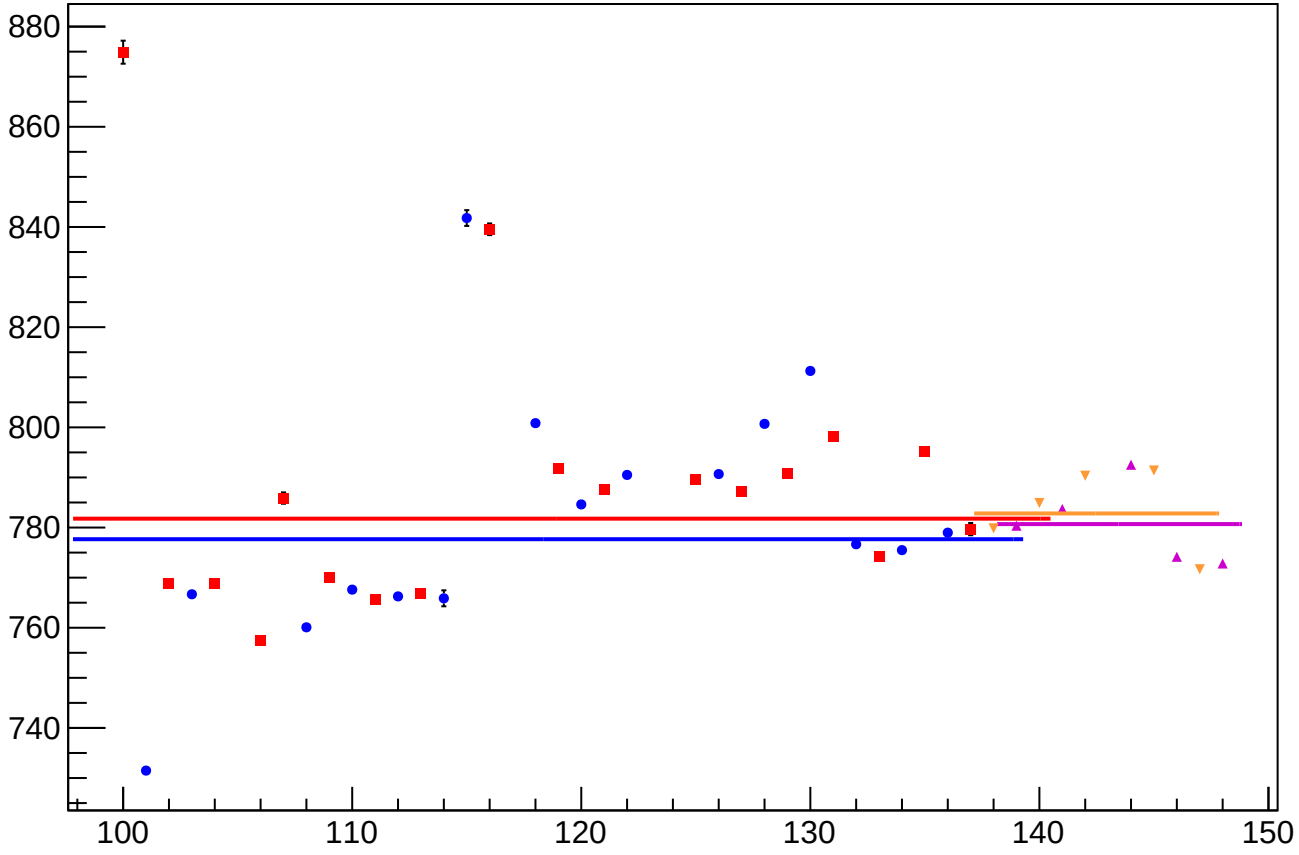
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

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

All: -86.220+/-163.845 χ^2/NDF: 30.2/43

\- sign 113.035+/-228.052 χ^2/NDF: 18.6/22

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

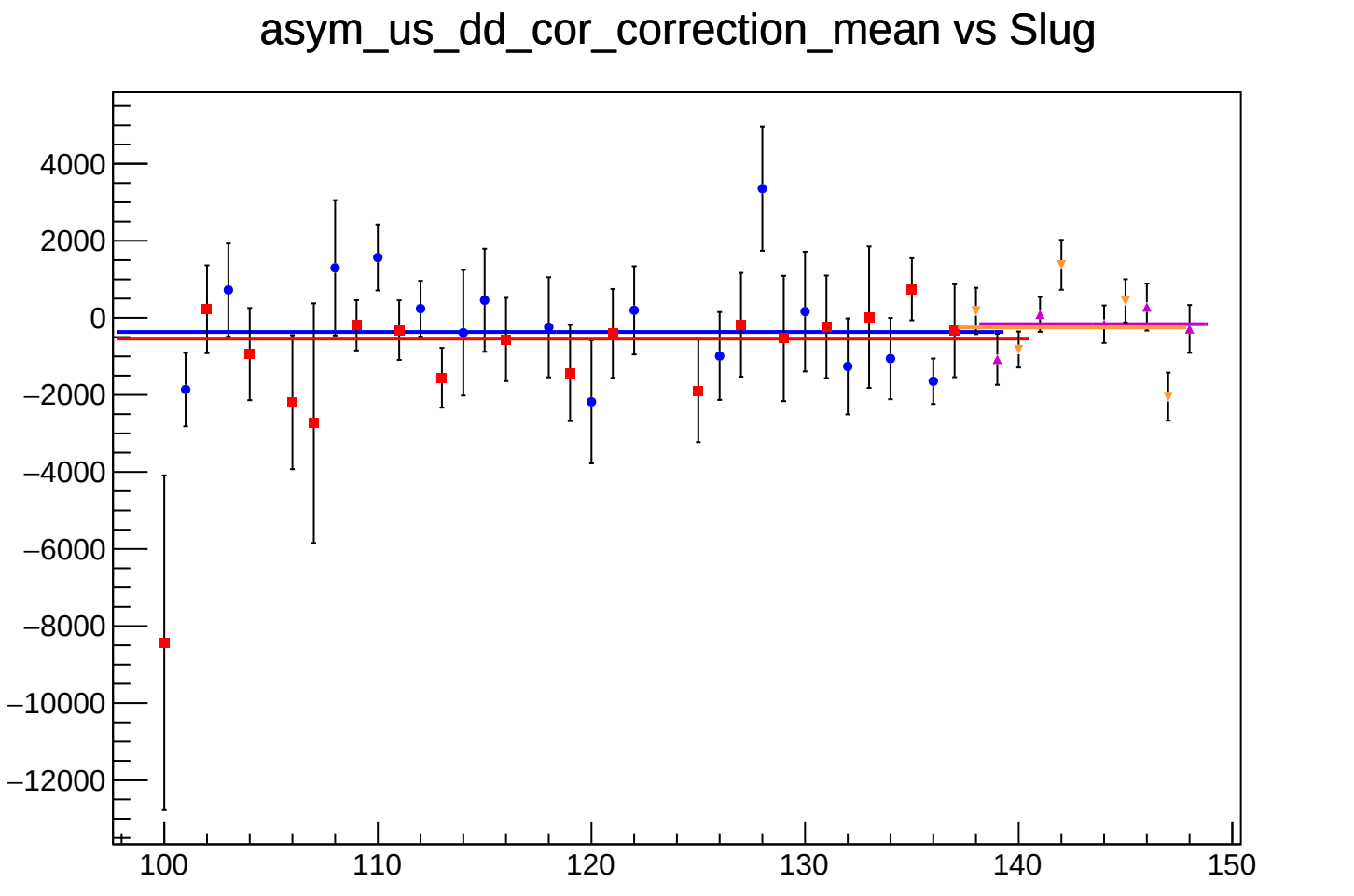
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

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

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43

\- sign 781.371+/-0.161 χ^2/NDF: 8368.2/22



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

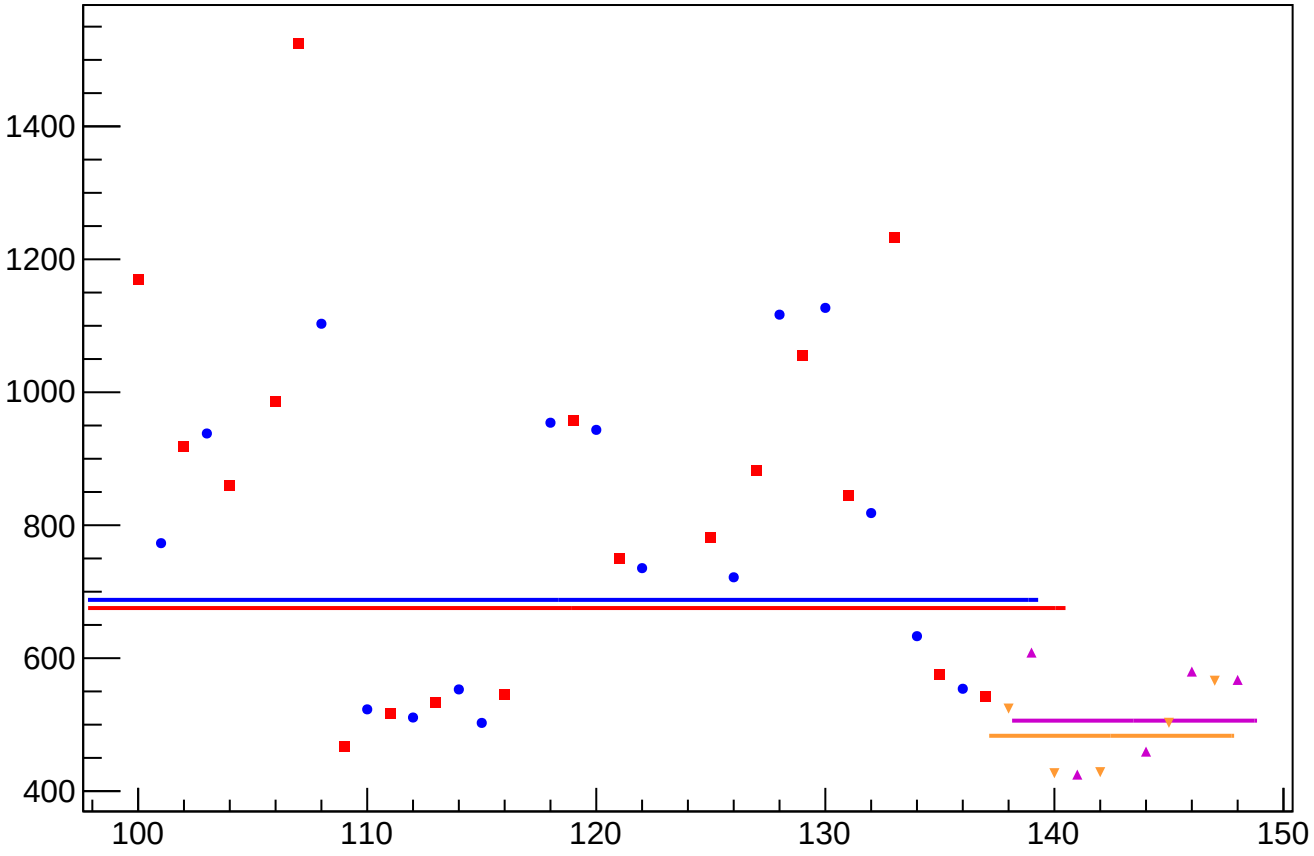
Left In: -162.606+/-245.126 χ^2/NDF:2.8/4

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

All: -321.625+/-128.396 χ^2/NDF: 57.1/43

- sign -337.593+/-179.287 χ^2/NDF: 15.5/22

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

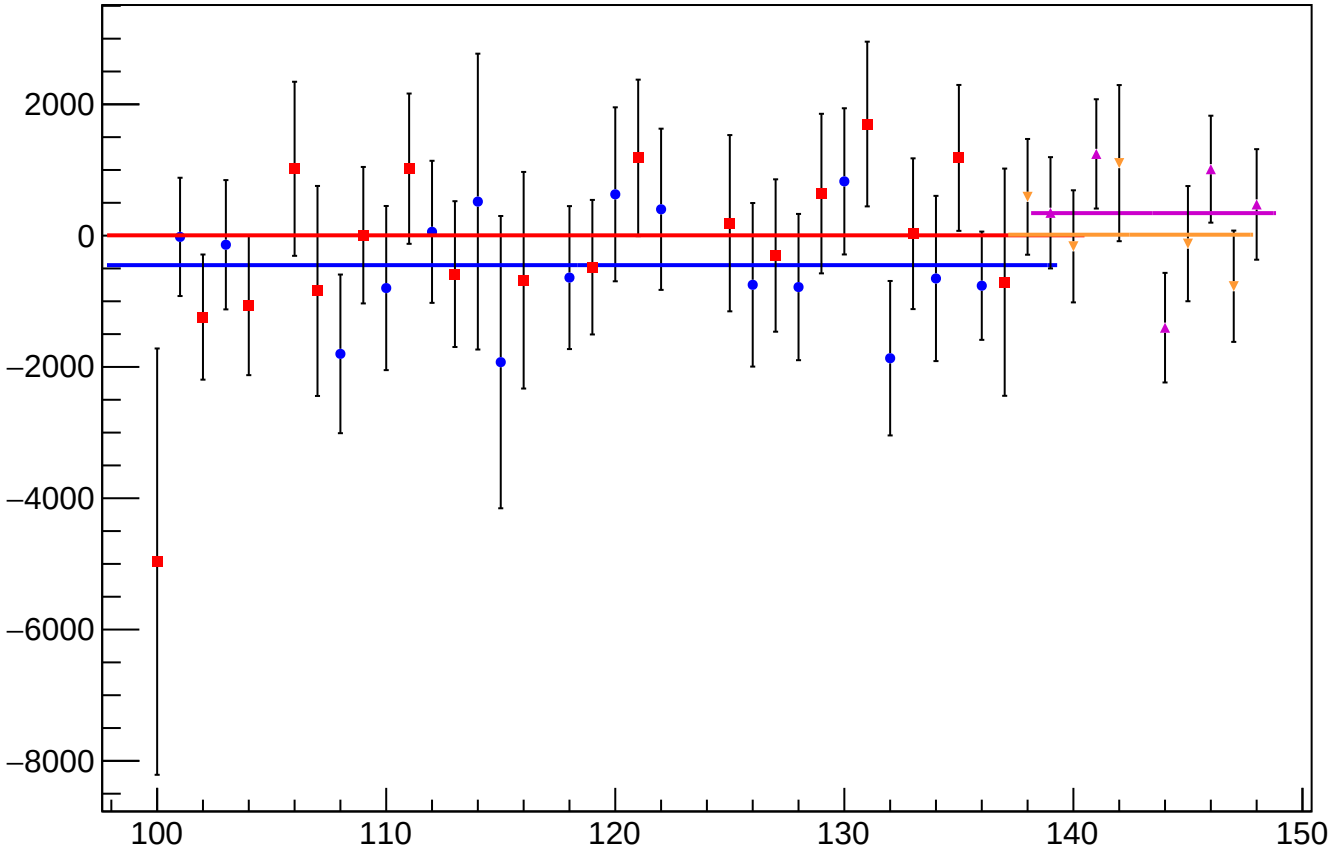
Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

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

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43

- sign 584.803+/-0.127 χ^2/NDF: 1935942.3/22

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

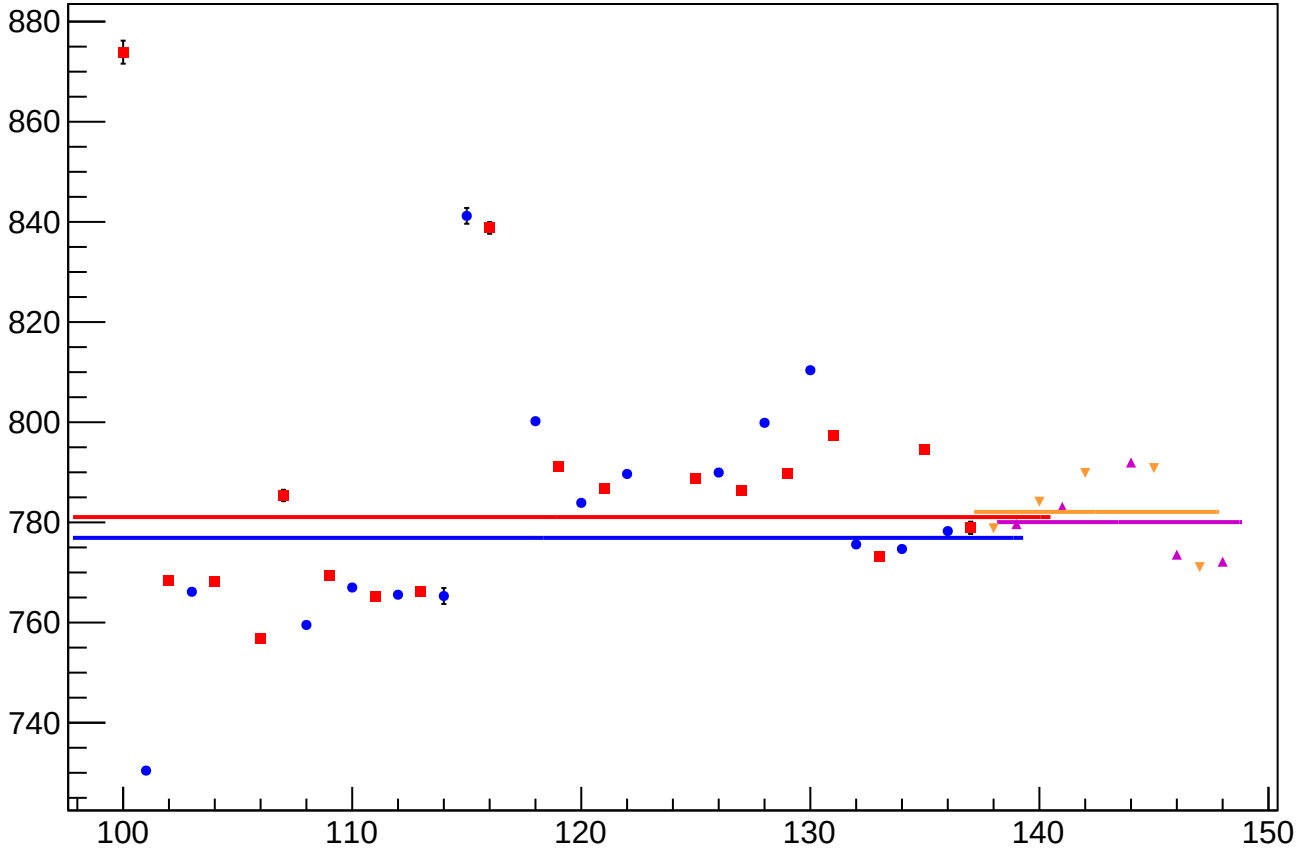
Left In: 342.874+/-372.939 χ^2/NDF:6.2/4

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

All: -74.650+/-163.695 χ^2/NDF: 30.1/43

- sign 130.898+/-227.852 χ^2/NDF: 18.6/22

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

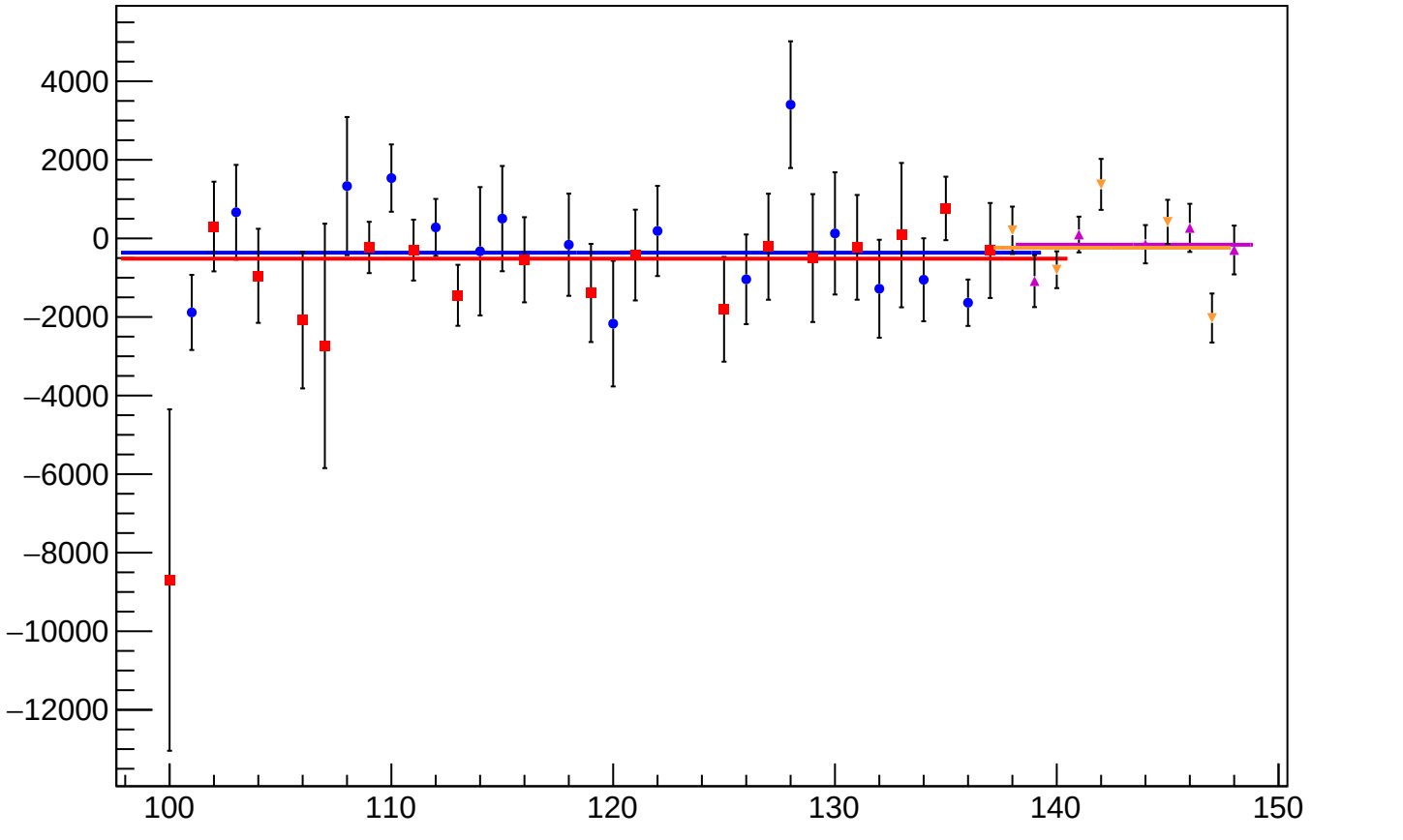
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 780.057+/-0.264 χ^2/NDF:737.7/4

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

All: 779.703+/-0.116 χ^2/NDF: 21411.4/43

- sign 780.686+/-0.161 χ^2/NDF: 8332.6/22



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

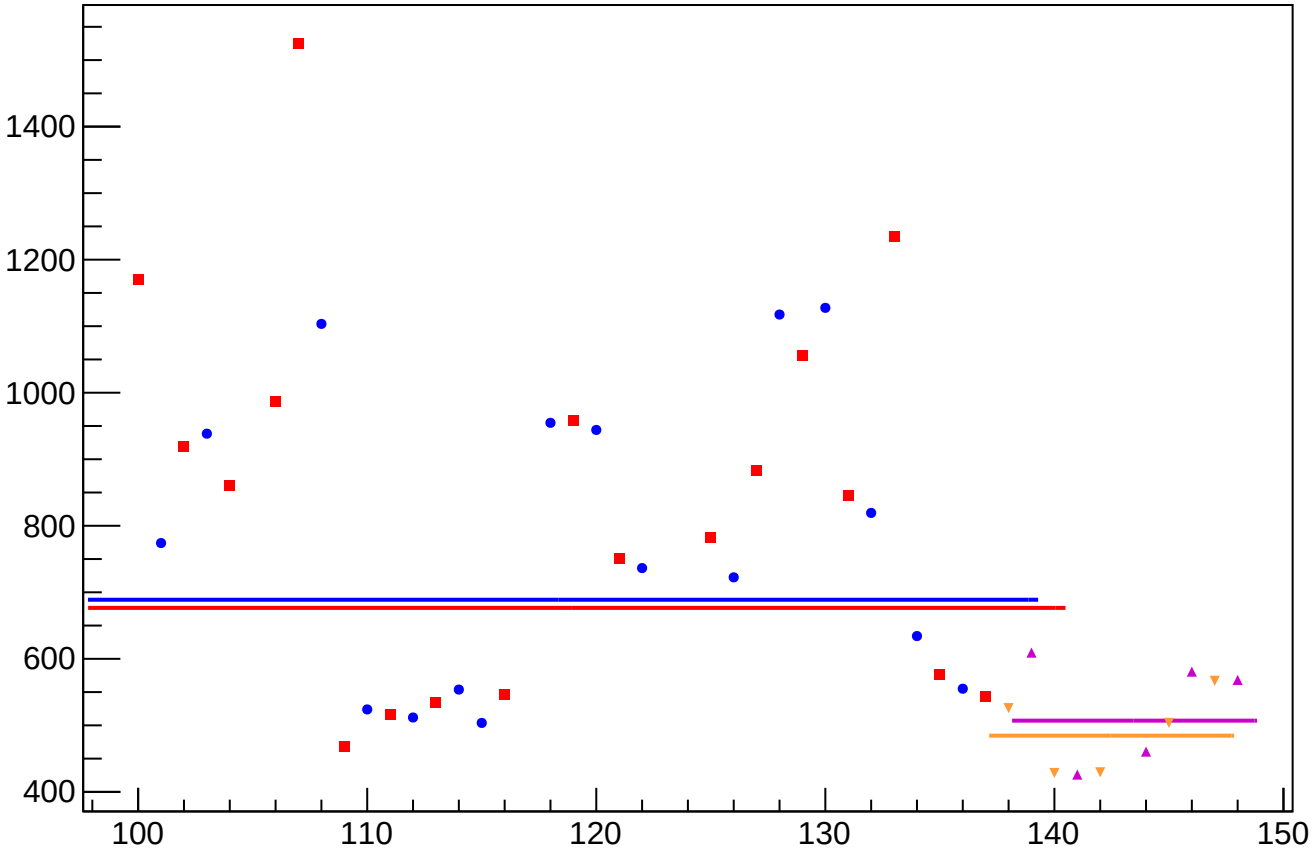
Left In: -160.802+/-245.617 χ^2/NDF:2.8/4

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

All: -311.860+/-128.638 χ^2/NDF: 56.4/43

\- sign -325.744+/-179.604 χ^2/NDF: 15.2/22

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

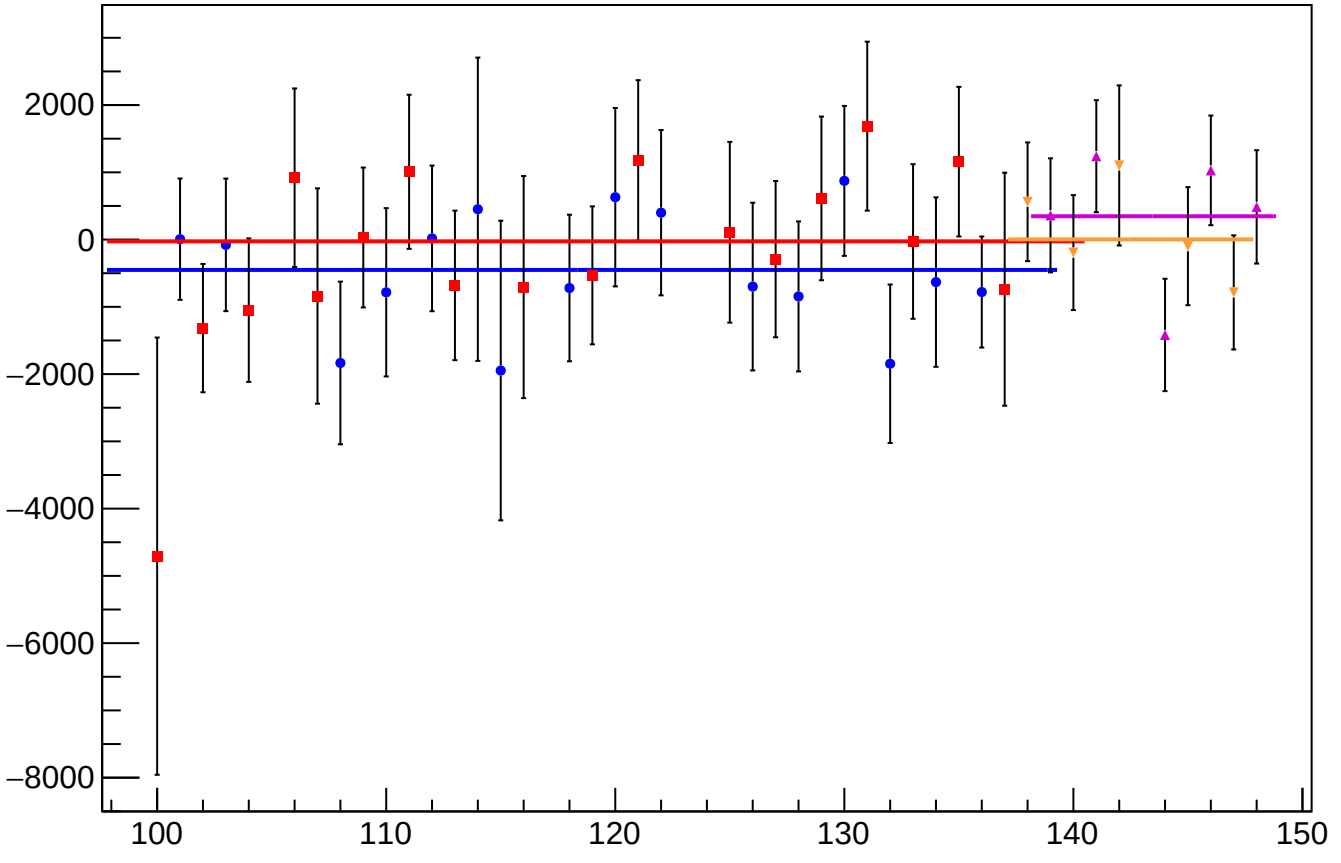
Left In: 507.094+/-0.174 χ^2/NDF:177734.2/4

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

All: 583.947+/-0.091 χ^2/NDF: 3660036.3/43

- sign 585.951+/-0.127 χ^2/NDF: 1928834.3/22

eigen_cor_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

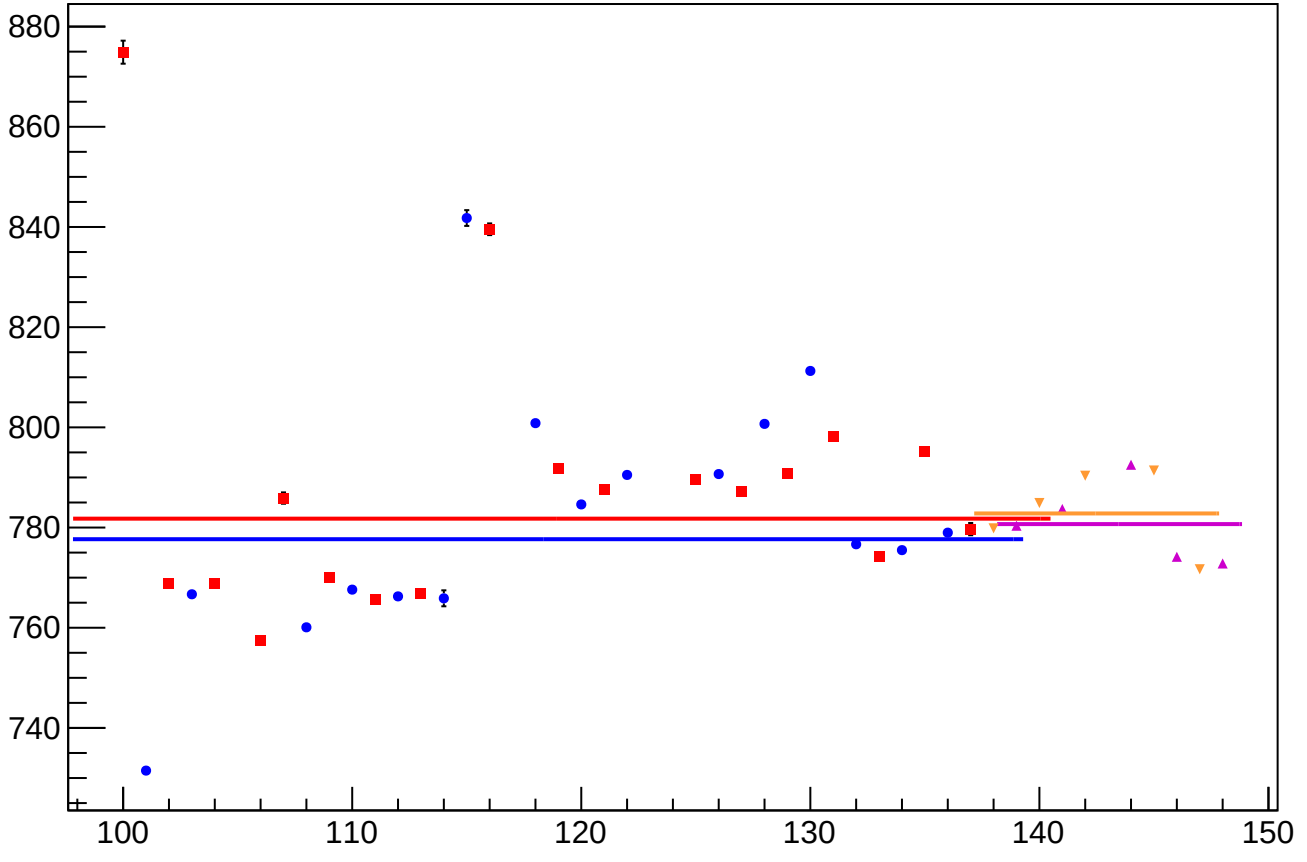
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

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

All: -86.220+/-163.845 χ^2/NDF: 30.2/43

- sign 113.035+/-228.052 χ^2/NDF: 18.6/22

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

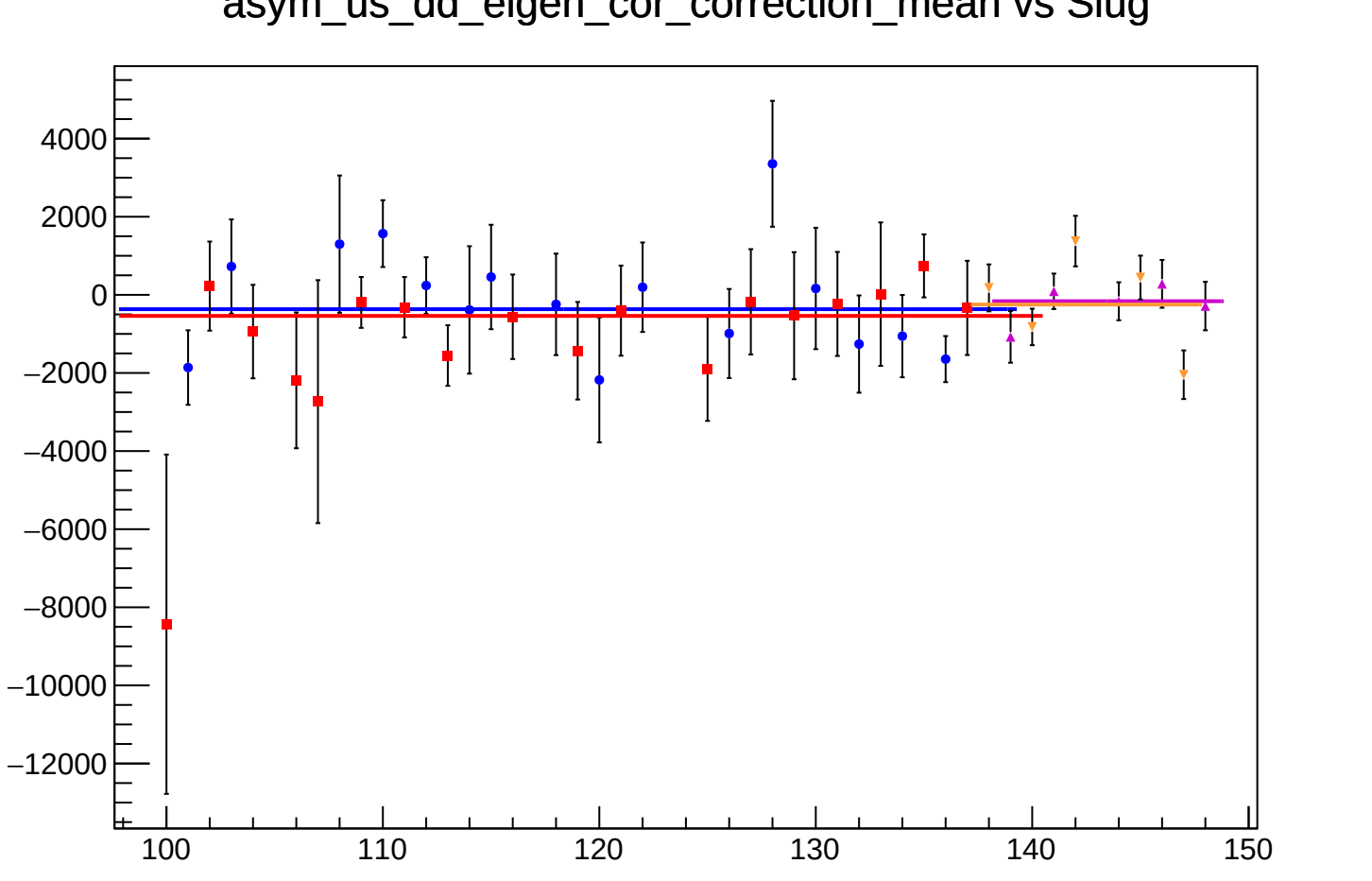
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

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

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43

- sign 781.371+/-0.161 χ^2/NDF: 8368.2/22



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

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

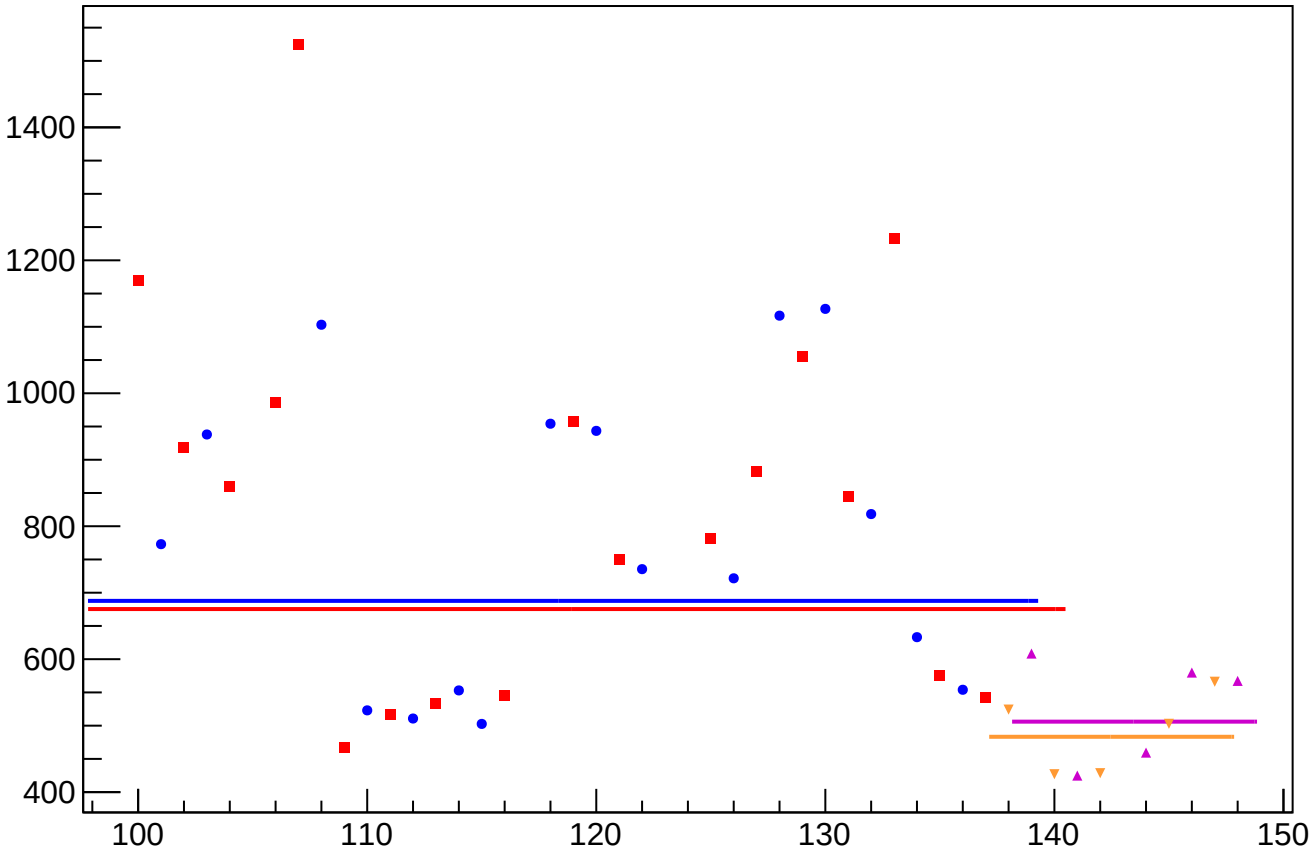
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -162.606+/-245.126 χ^2/NDF:2.8/4

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

All: -321.625+/-128.396 χ^2/NDF: 57.1/43

\- sign -337.593+/-179.287 χ^2/NDF: 15.5/22



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

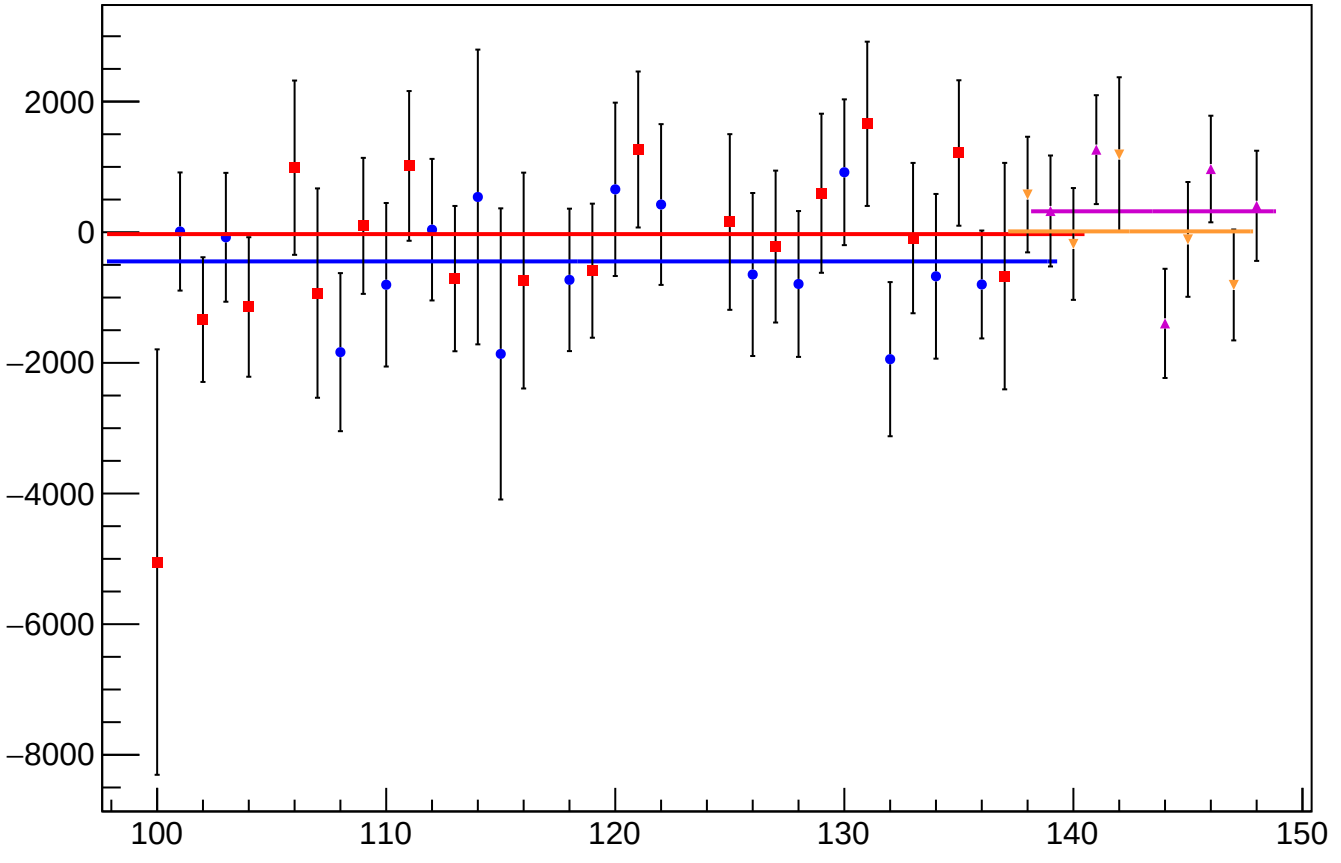
Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

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

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43

- sign 584.803+/-0.127 χ^2/NDF: 1935942.3/22

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

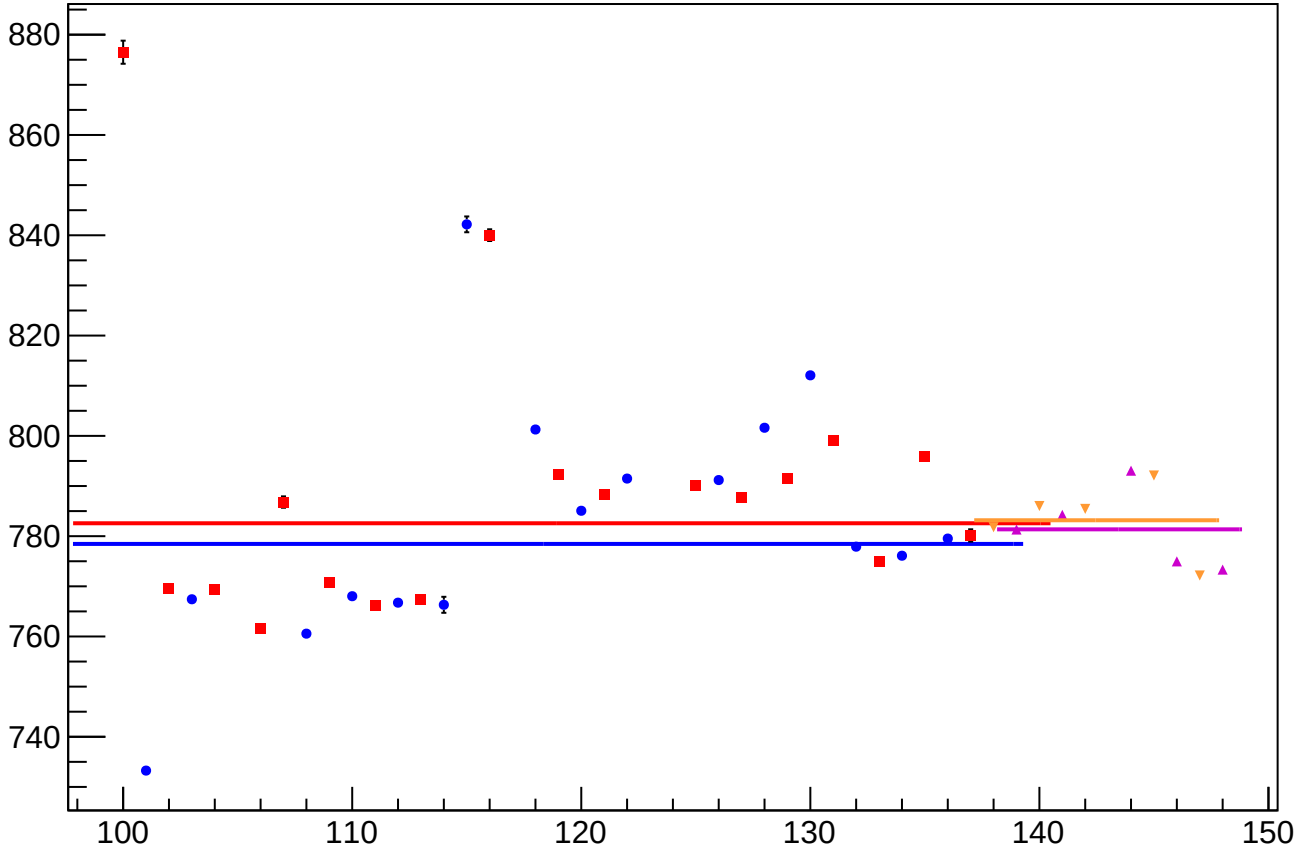
Left In: 320.093+/-373.562 χ^2/NDF:6.1/4

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

All: -89.146+/-163.994 χ^2/NDF: 31.3/43

- sign 101.484+/-228.270 χ^2/NDF: 19.3/22

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

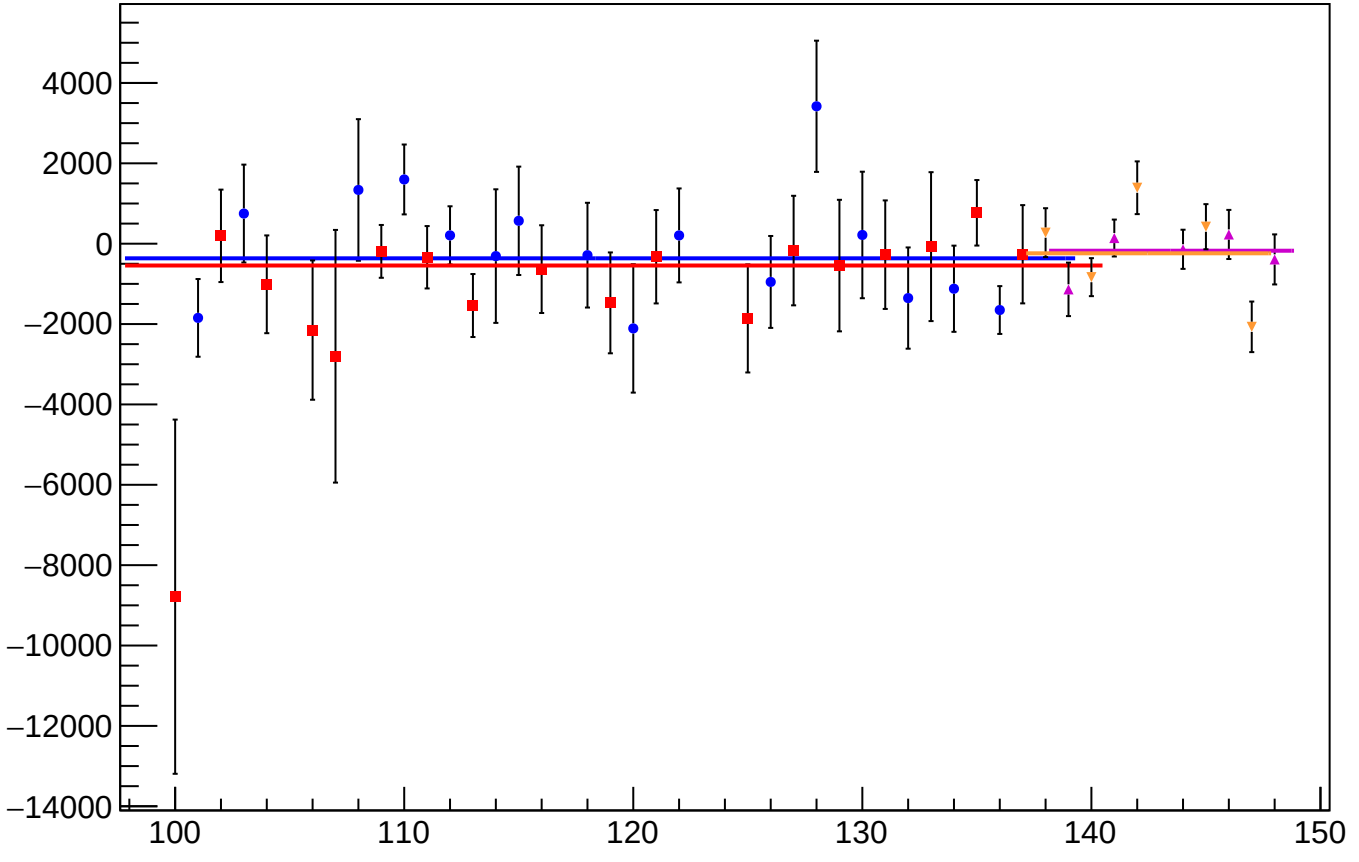
Left In: 781.361+/-0.264 χ^2/NDF:719.6/4

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

All: 781.114+/-0.116 χ^2/NDF: 20845.6/43

- sign 782.122+/-0.161 χ^2/NDF: 8214.3/22

asym_us_dd_dit_correction_mean vs Slug



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

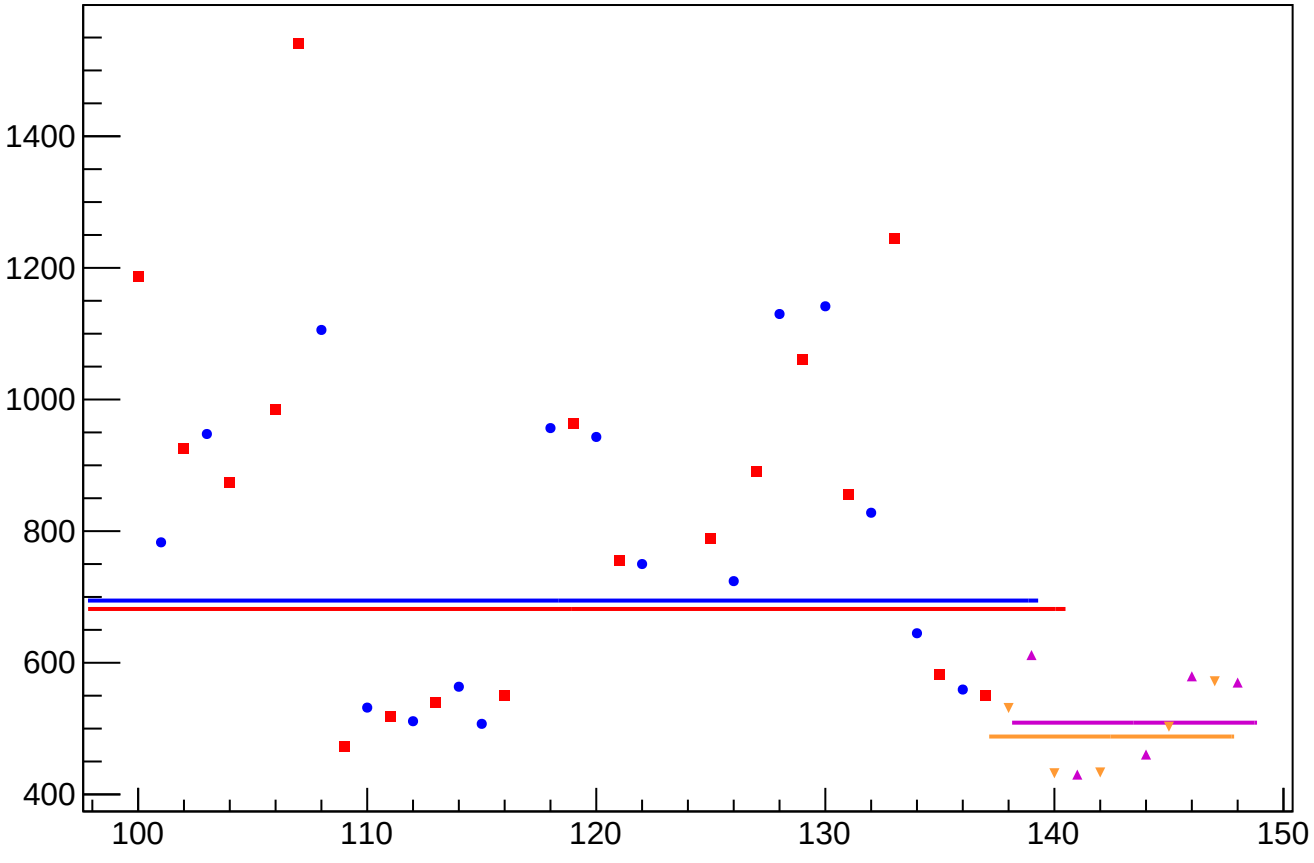
Left In: -175.004+/-246.411 χ^2/NDF:3.1/4

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

All: -322.693+/-129.464 χ^2/NDF: 57.7/43

- sign -345.399+/-180.539 χ^2/NDF: 15.9/22

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

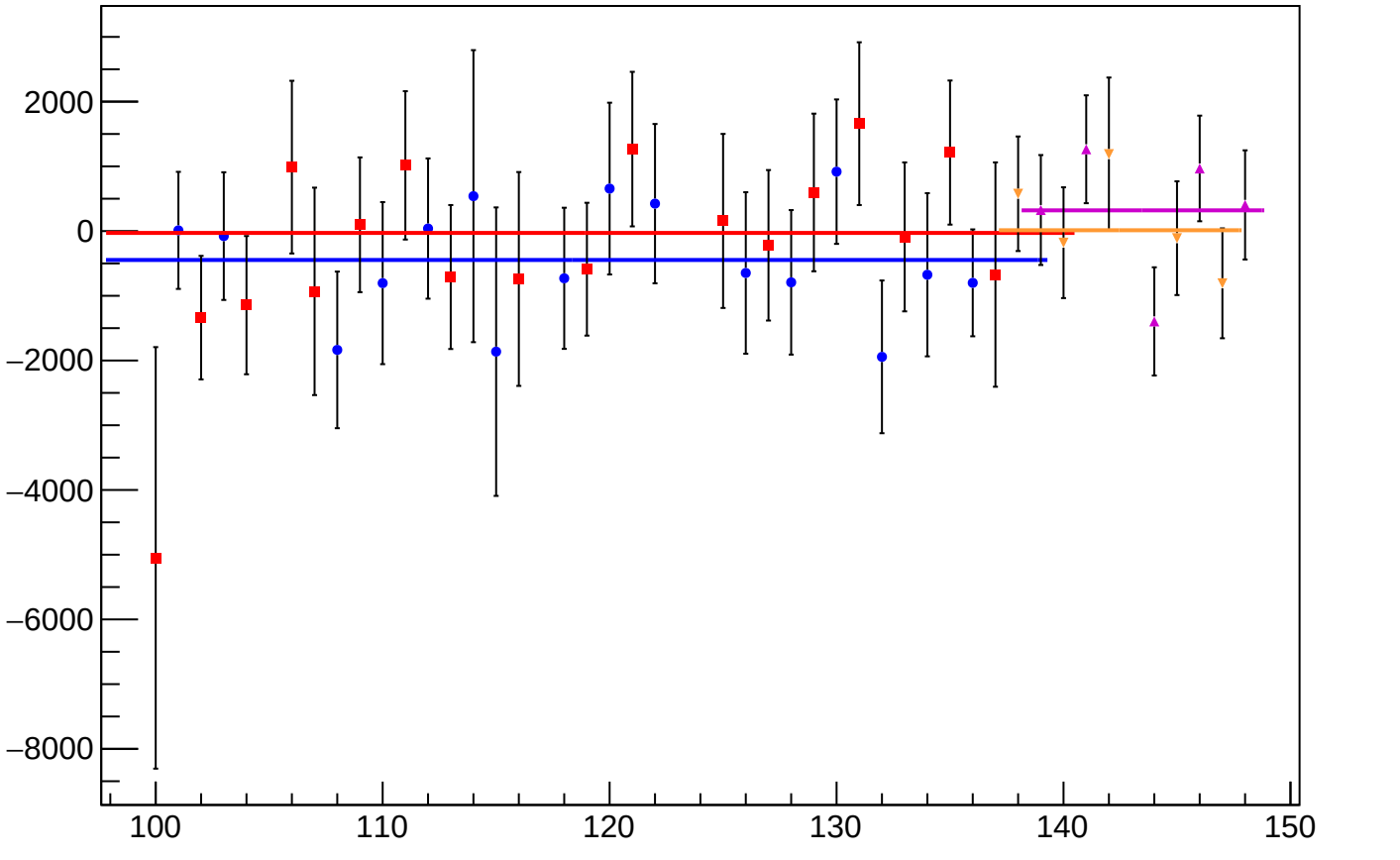
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 508.984+/-0.174 χ^2/NDF:172227.3/4

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

All: 587.643+/-0.092 χ^2/NDF: 3674989.0/43

- sign 589.004+/-0.128 χ^2/NDF: 1938902.3/22



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

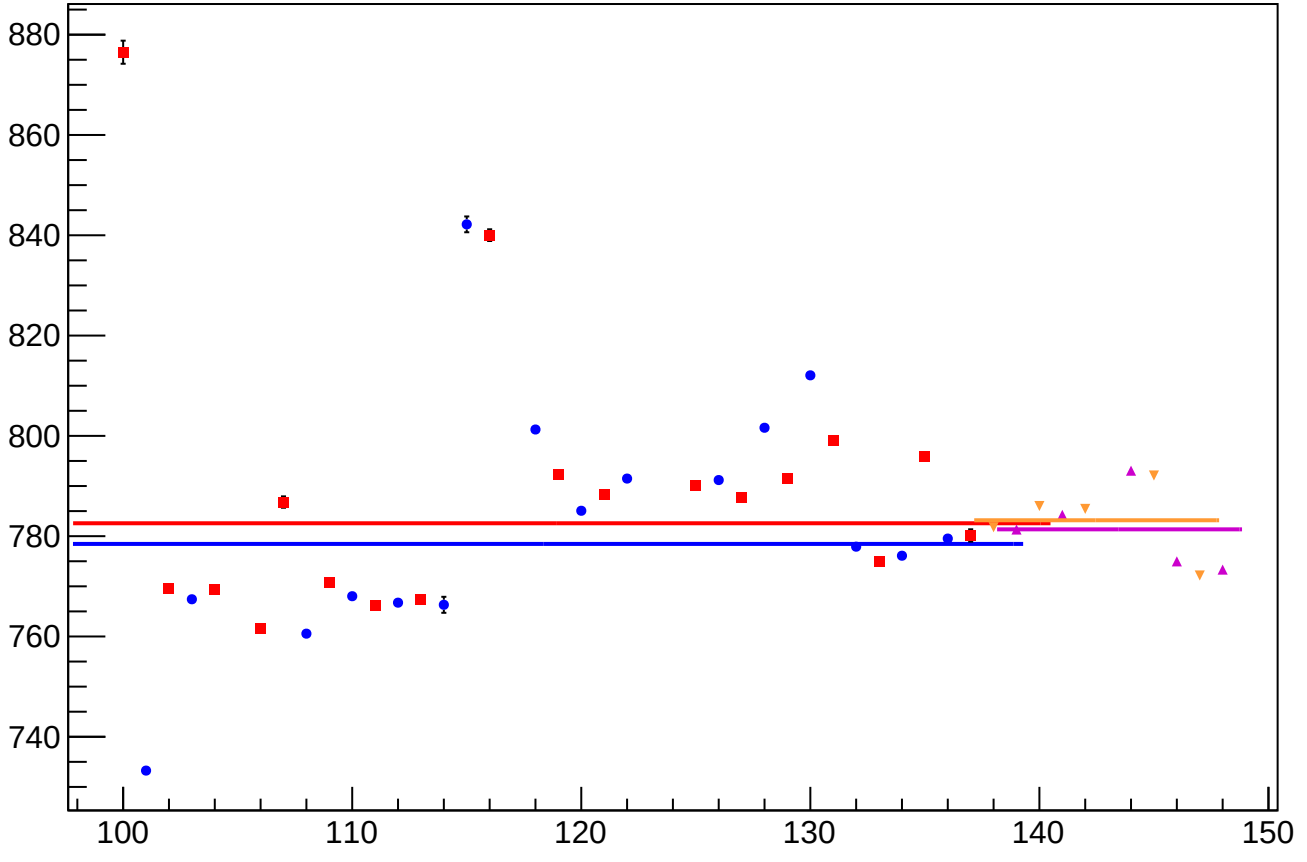
Left In: 320.092+/-373.562 χ^2/NDF:6.1/4

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

All: -89.147+/-163.994 χ^2/NDF: 31.3/43

- sign 101.485+/-228.270 χ^2/NDF: 19.3/22

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

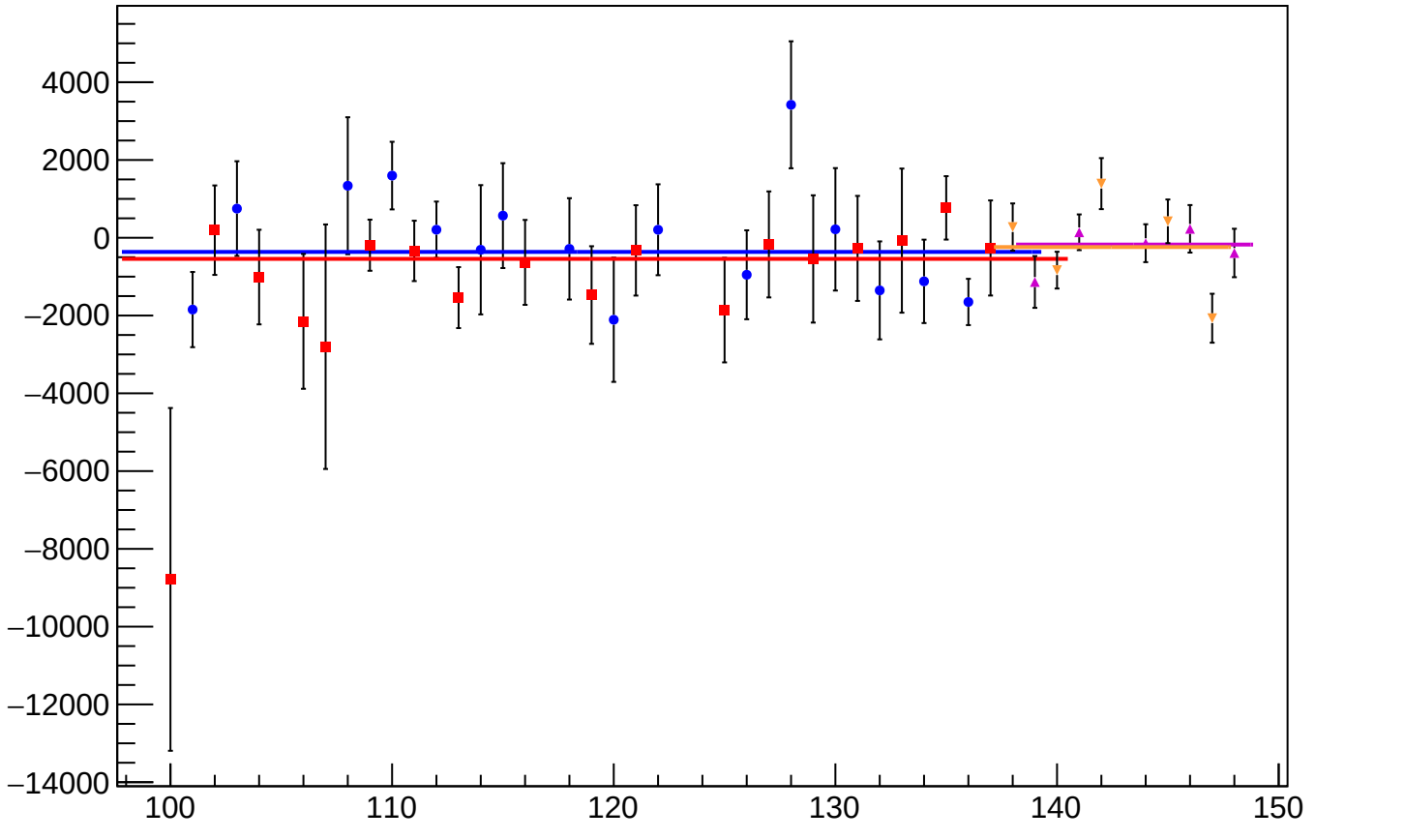
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 781.361+/-0.264 χ^2/NDF:719.6/4

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

All: 781.114+/-0.116 χ^2/NDF: 20845.5/43

- sign 782.122+/-0.161 χ^2/NDF: 8214.3/22



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

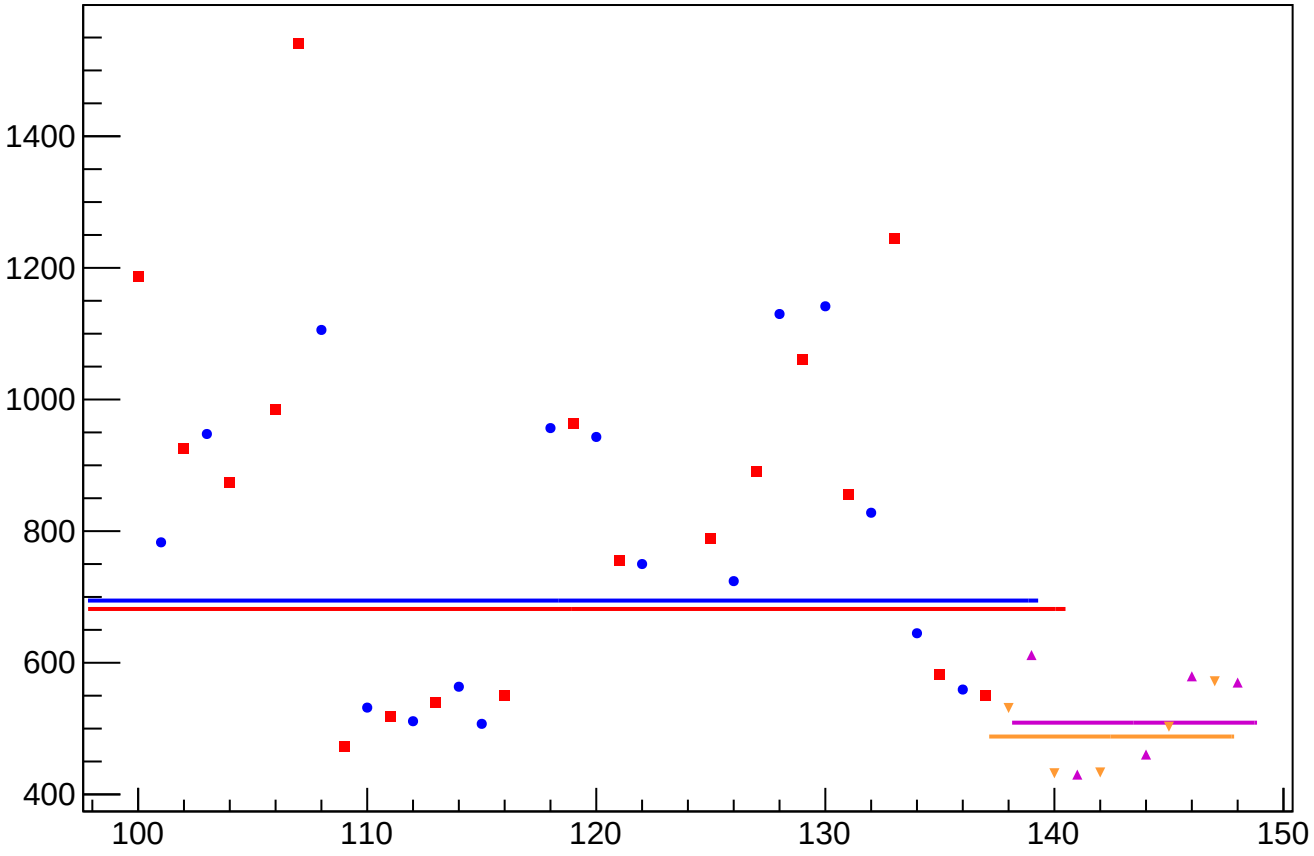
Left In: -175.002+/-246.411 χ^2/NDF:3.1/4

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

All: -322.692+/-129.463 χ^2/NDF: 57.7/43

- sign -345.398+/-180.539 χ^2/NDF: 15.9/22

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

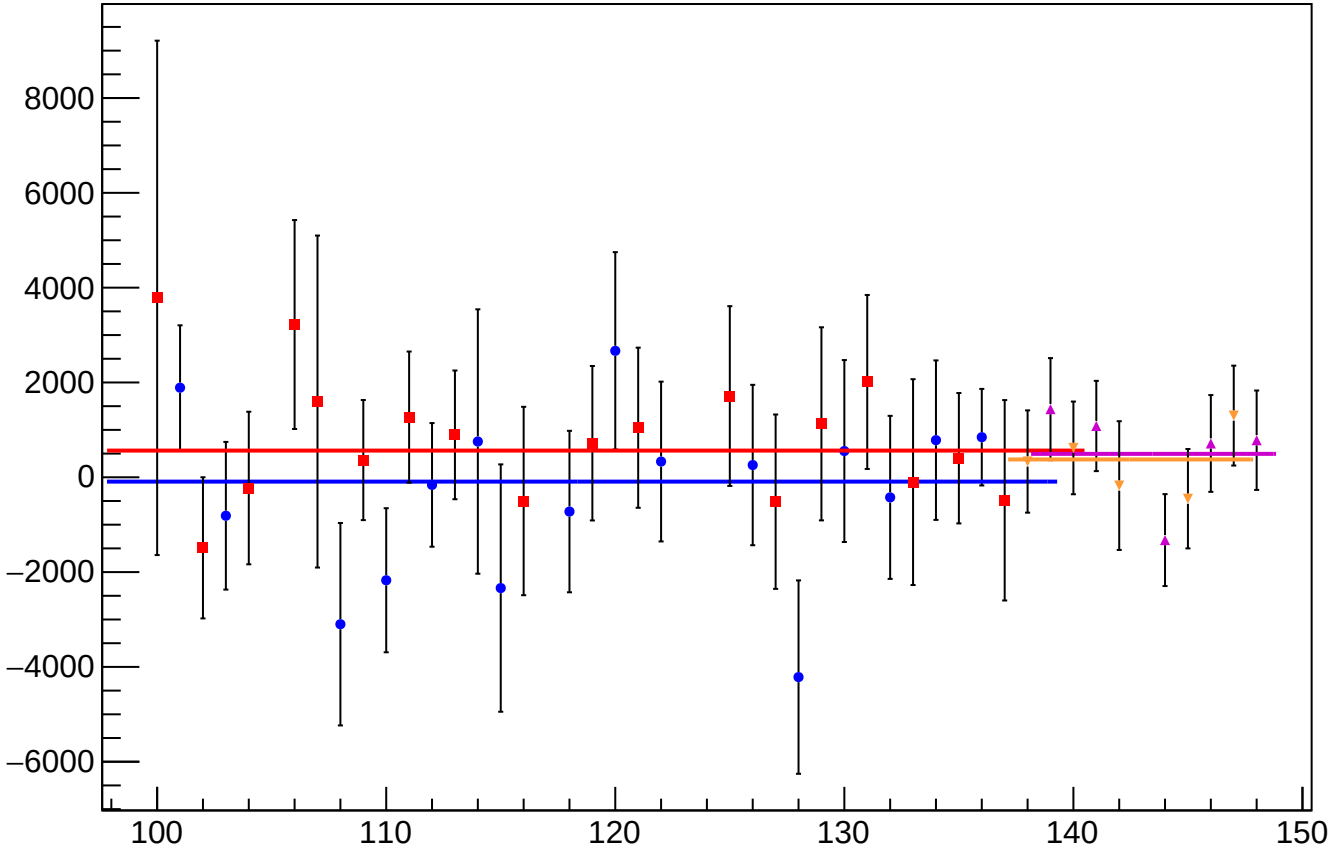
Left In: 508.984+/-0.174 χ^2/NDF:172235.1/4

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

All: 587.642+/-0.092 χ^2/NDF: 3675007.3/43

- sign 589.003+/-0.128 χ^2/NDF: 1938916.9/22

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

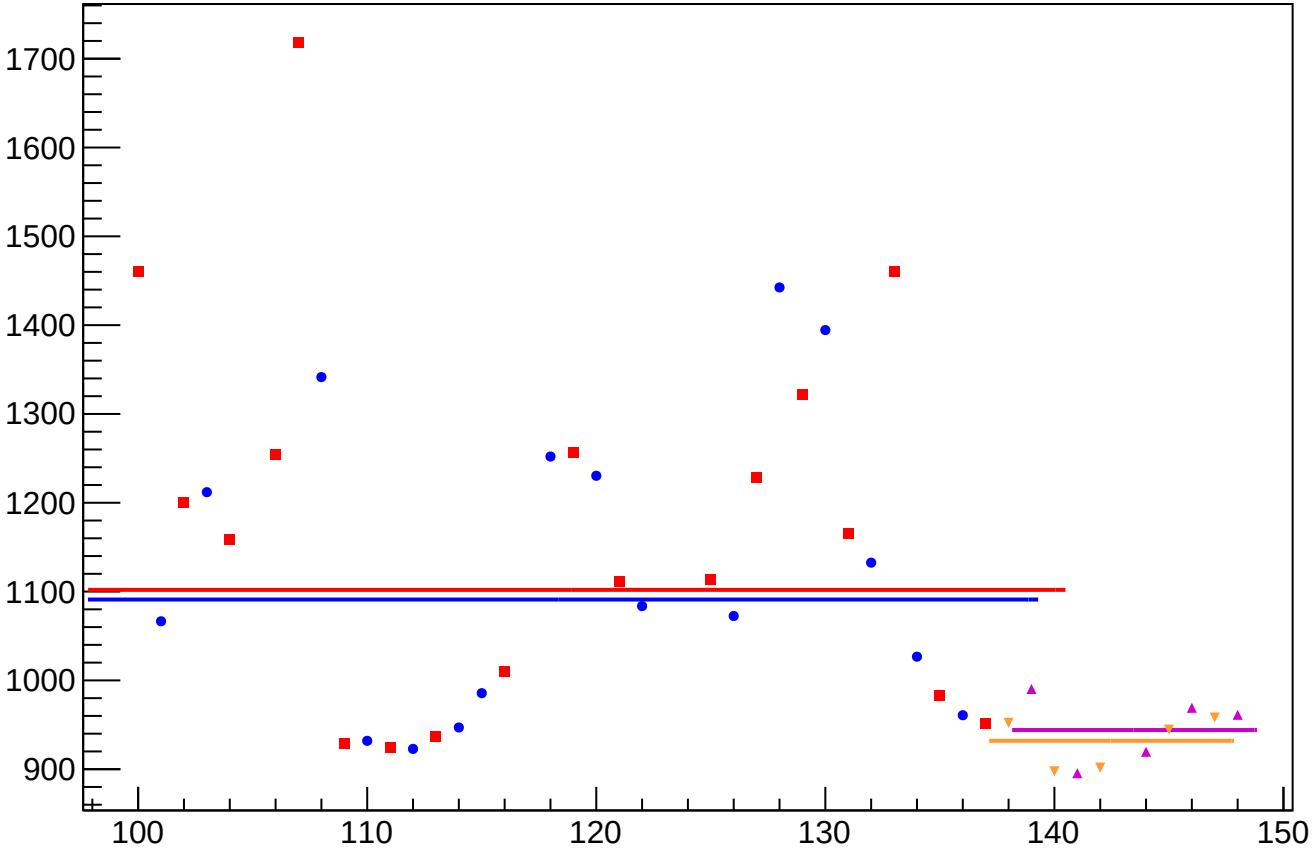
Left In: 494.114+/-451.761 χ^2/NDF:4.8/4

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

All: 323.804+/-218.155 χ^2/NDF: 29.0/43

- sign 531.917+/-304.241 χ^2/NDF: 11.3/22

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

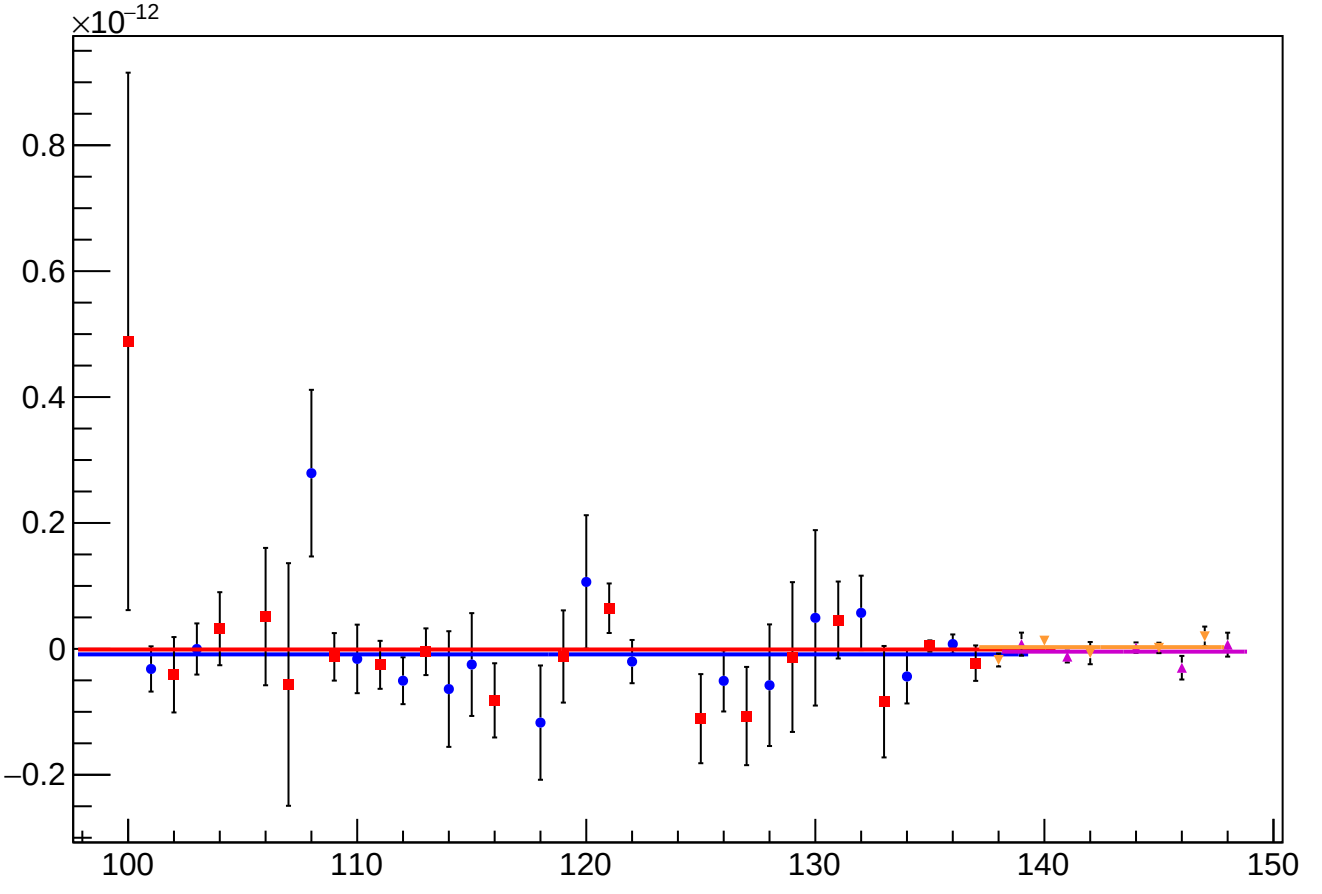
Left In: 944.107+/-0.319 χ^2/NDF:11924.3/4

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

All: 1027.608+/-0.154 χ^2/NDF: 882360.9/43

- sign 1030.363+/-0.215 χ^2/NDF: 473456.7/22

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/4

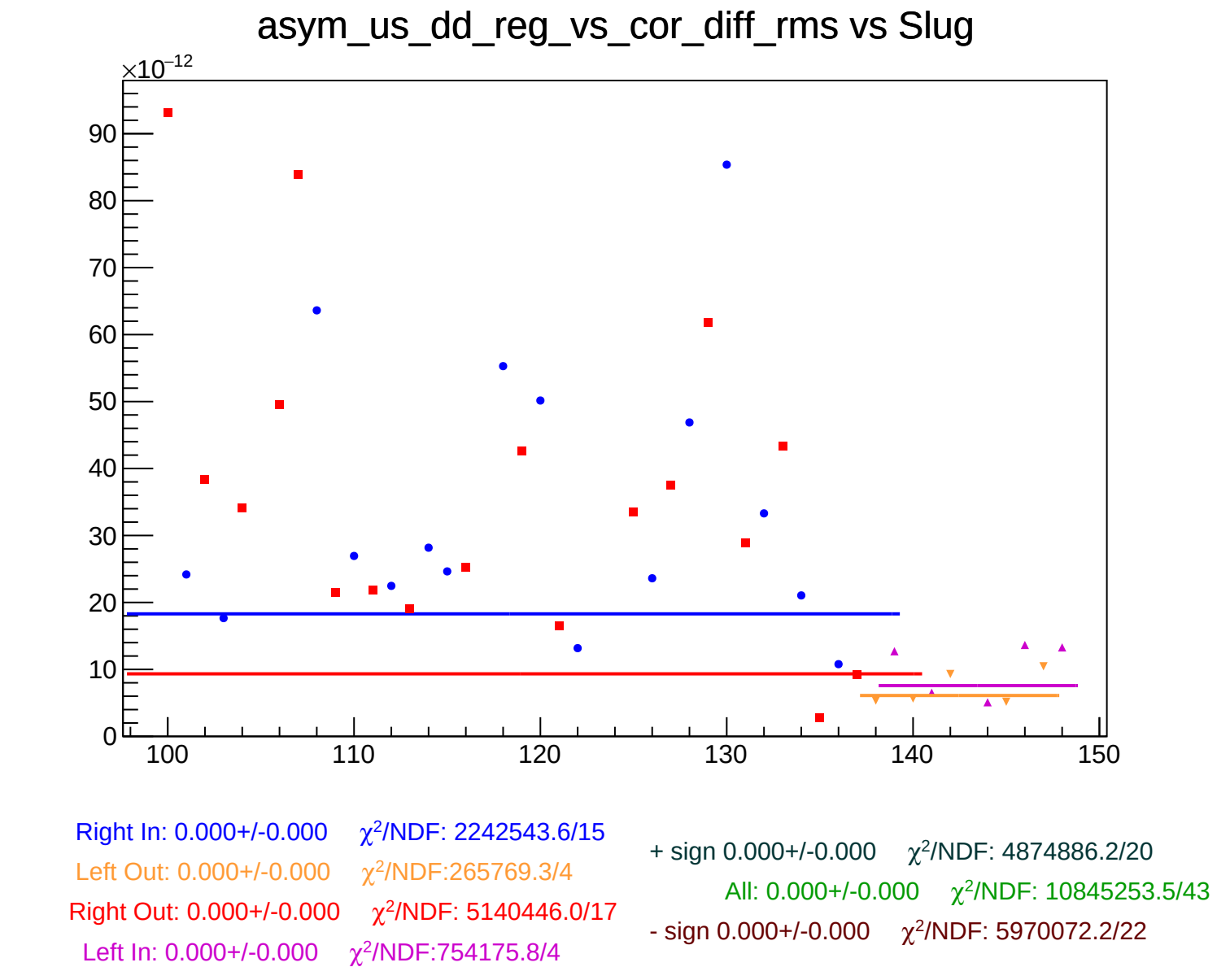
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

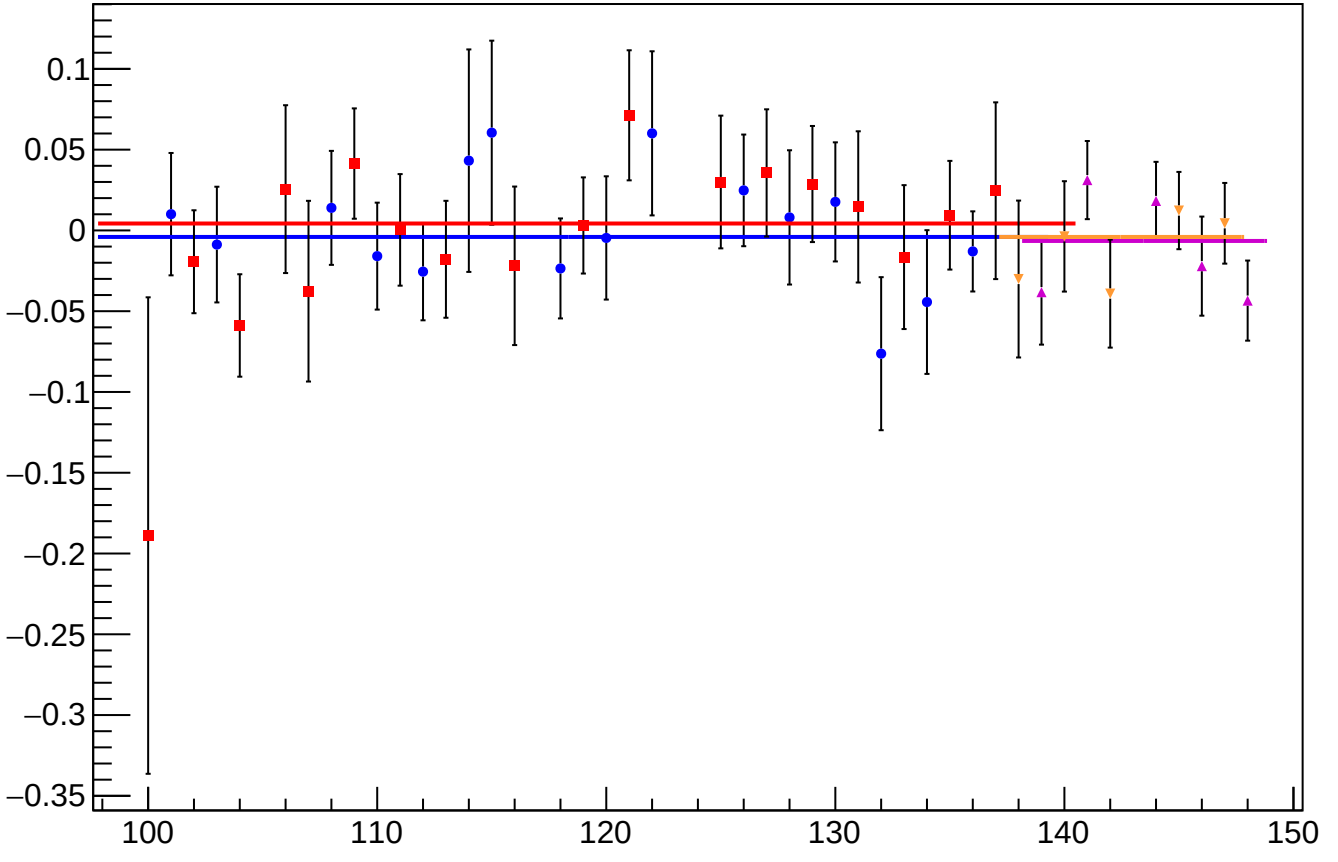
+ sign 0.000+/-0.000 χ^2/NDF: 22.1/20

All: -0.000+/-0.000 χ^2/NDF: 40.9/43

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:265769.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:754175.8/4
+ sign 0.000+/-0.000 χ²/NDF: 4874886.2/20
All: 0.000+/-0.000 χ²/NDF: 10845253.5/43
- sign 0.000+/-0.000 χ²/NDF: 5970072.2/22

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

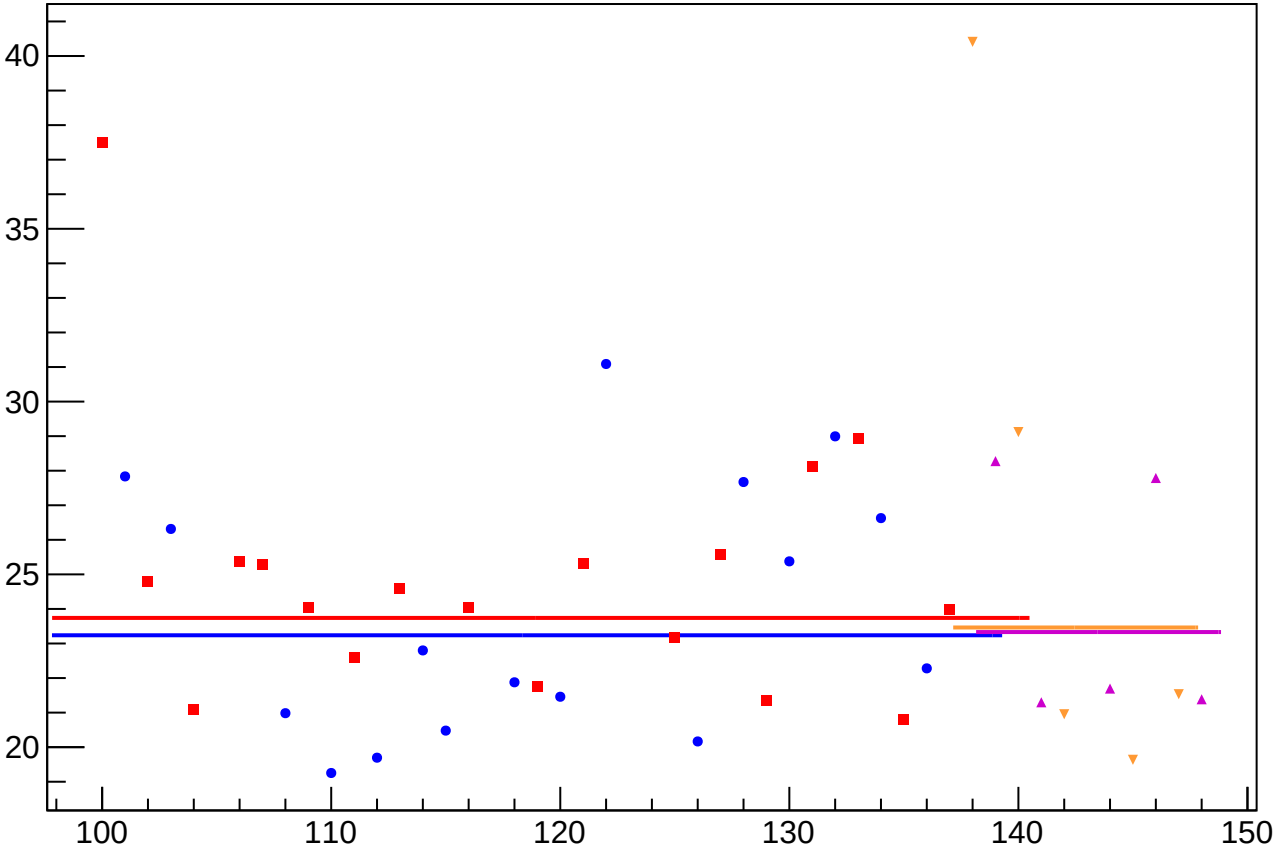
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

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

All: -0.002+/-0.005 χ^2/NDF: 32.2/43

- sign 0.000+/-0.007 χ^2/NDF: 20.9/22

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

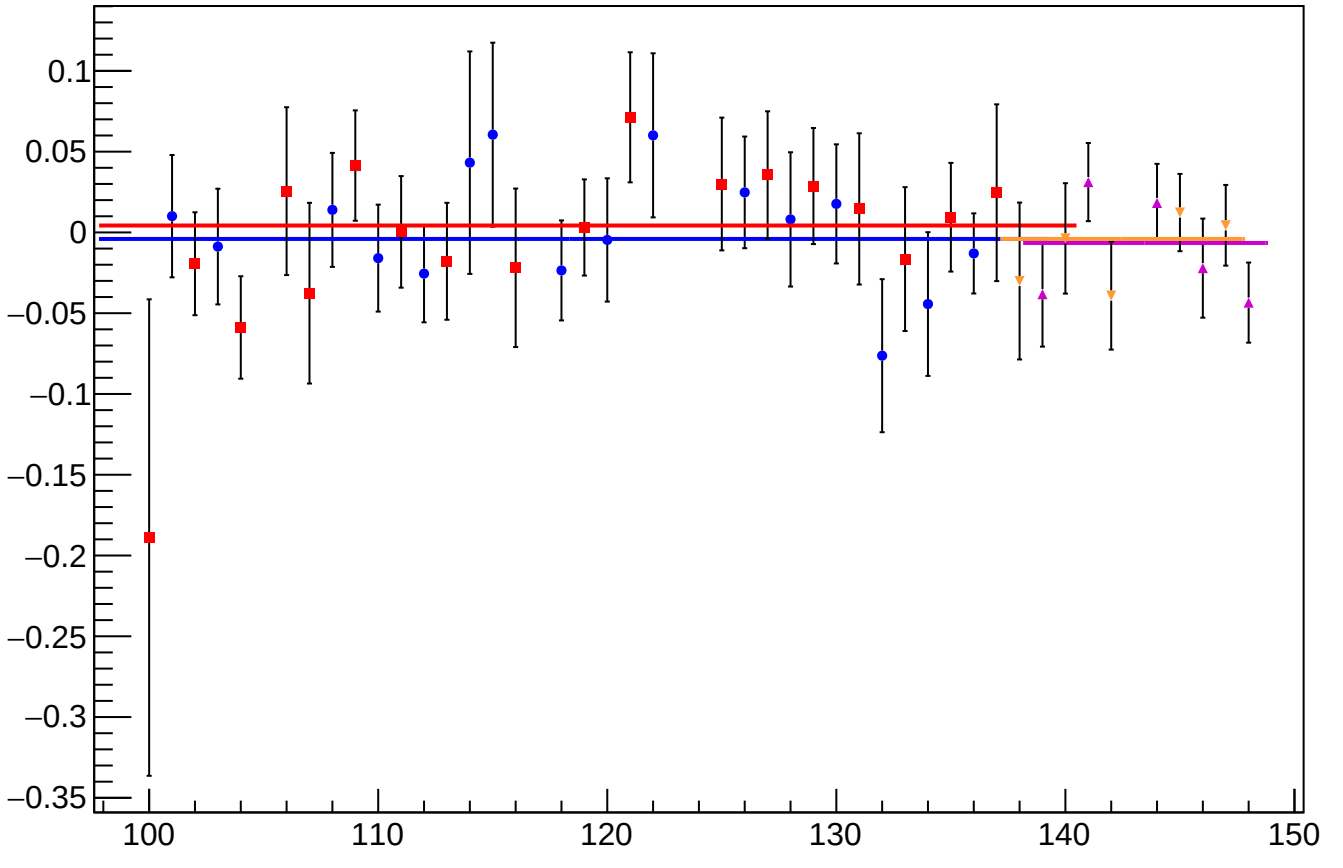
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

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

All: 23.453+/-0.004 χ^2/NDF: 885598.2/43

- sign 23.585+/-0.005 χ^2/NDF: 251840.0/22



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

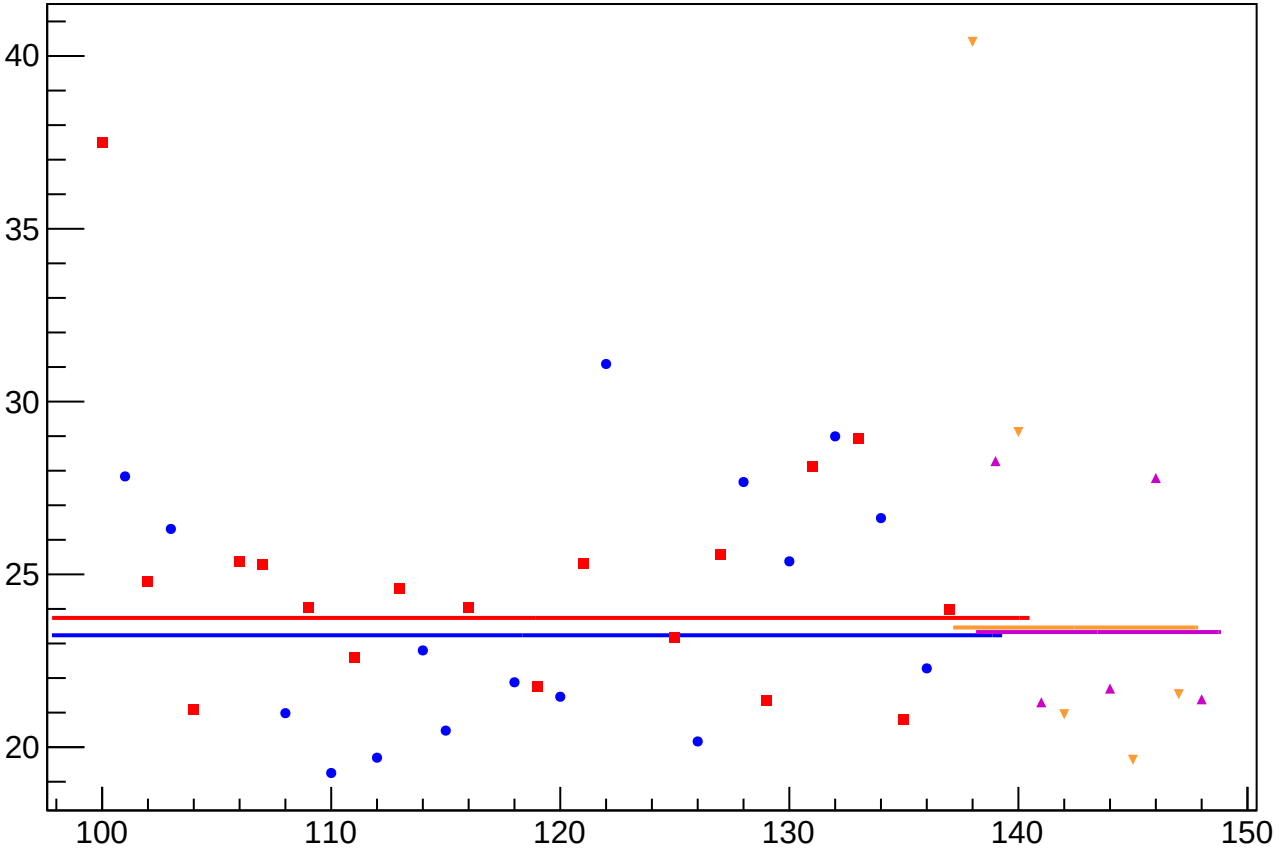
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

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

All: -0.002+/-0.005 χ^2/NDF: 32.2/43

- sign 0.000+/-0.007 χ^2/NDF: 20.9/22

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

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

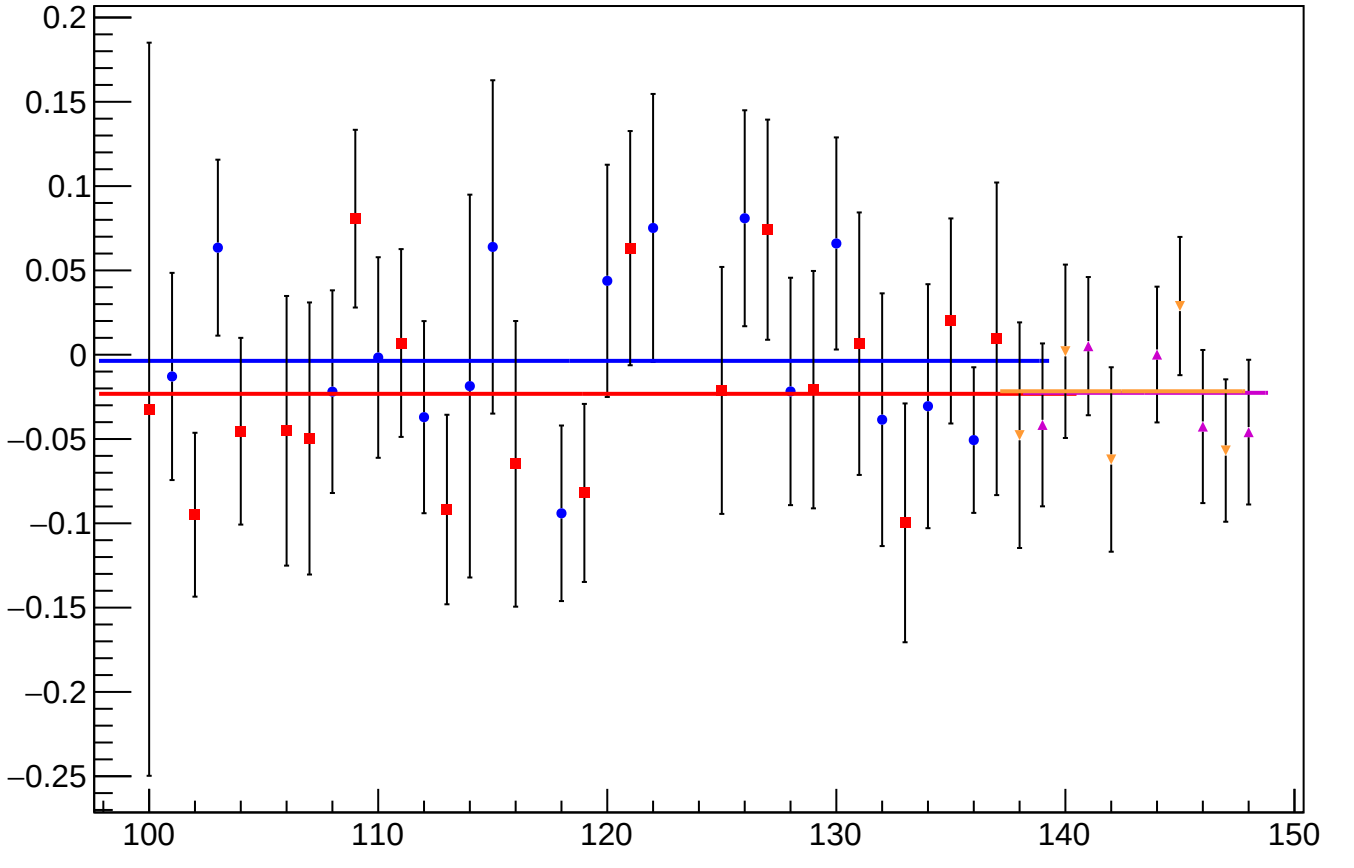
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

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

All: 23.453+/-0.004 χ^2/NDF: 885598.2/43

- sign 23.585+/-0.005 χ^2/NDF: 251840.0/22



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

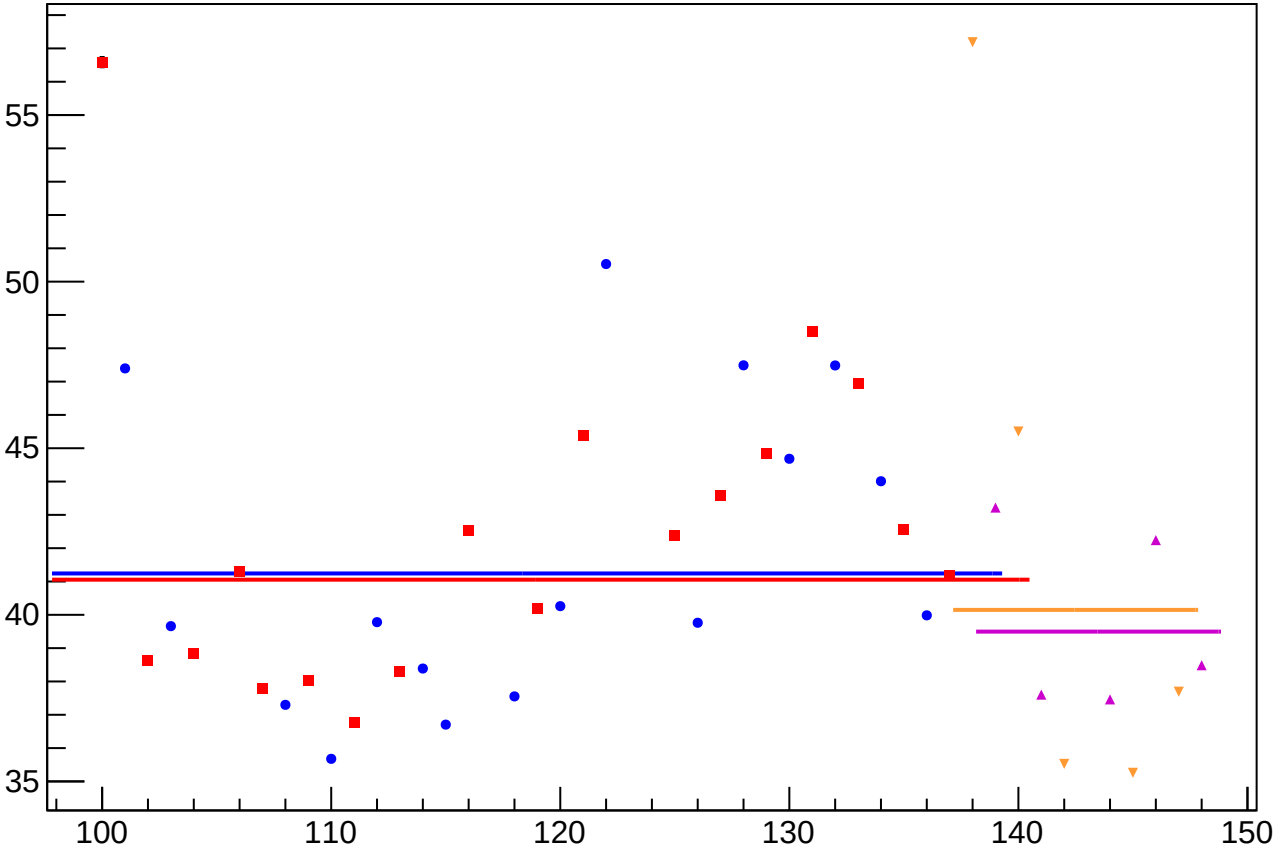
Left In: -0.023+/-0.019 χ^2/NDF:1.4/4

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

All: -0.017+/-0.009 χ^2/NDF: 32.6/43

- sign -0.023+/-0.012 χ^2/NDF: 16.8/22

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

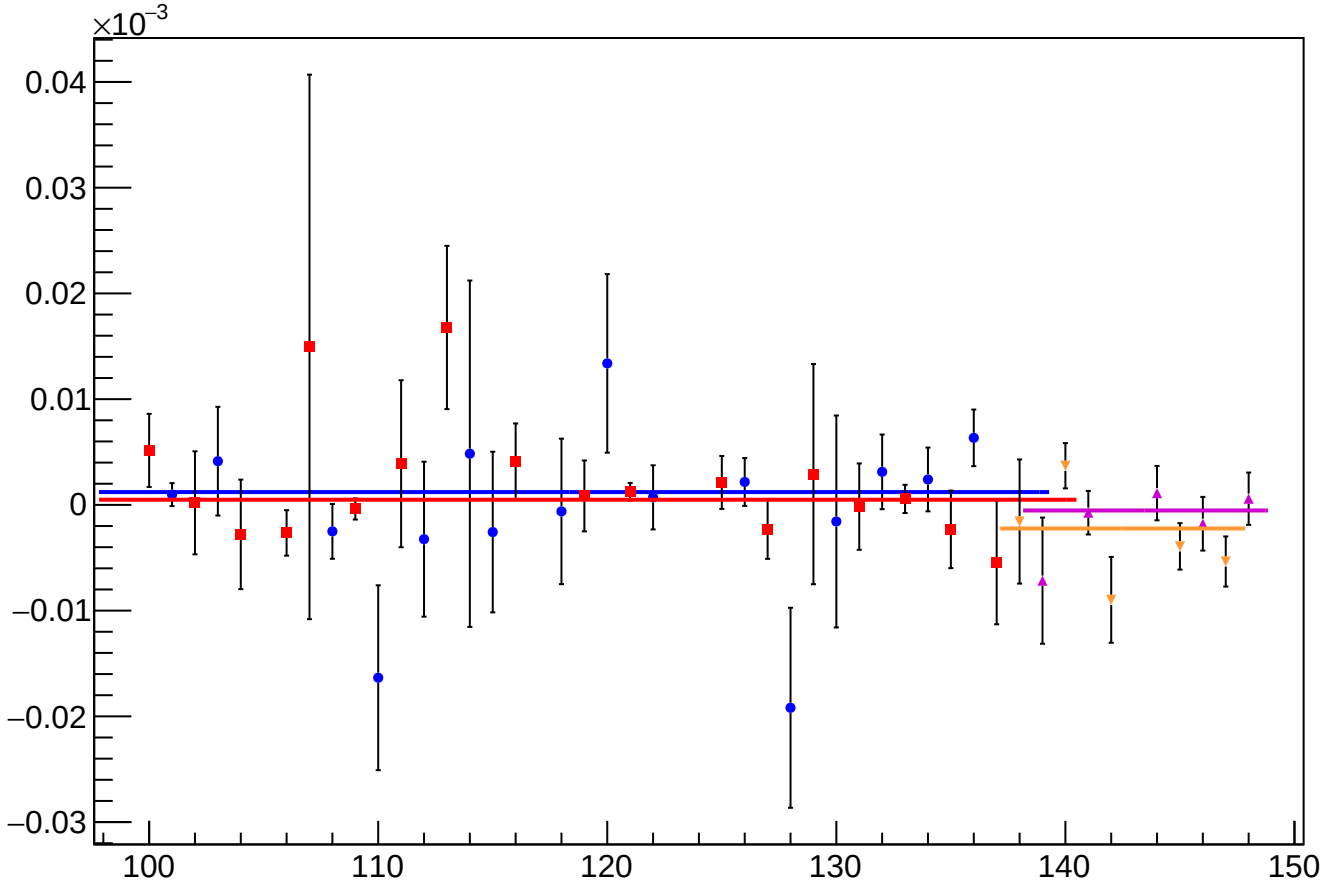
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.496+/-0.014 χ^2/NDF:29664.9/4

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

All: 40.646+/-0.006 χ^2/NDF: 474716.5/43

- sign 40.445+/-0.009 χ^2/NDF: 134126.2/22



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

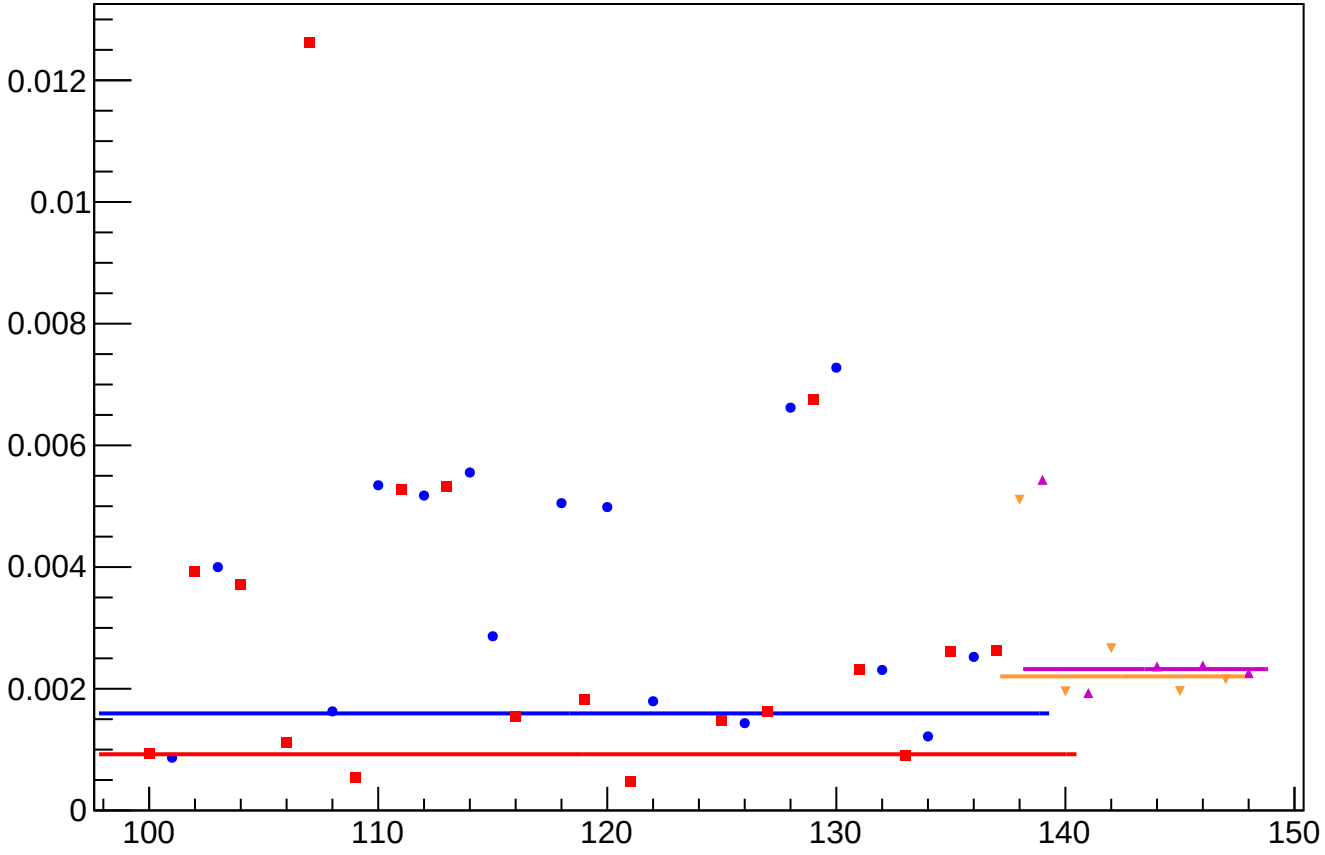
Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/20

All: 0.000+/-0.000 χ^2/NDF: 54.8/43

- sign 0.000+/-0.000 χ^2/NDF: 17.7/22

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

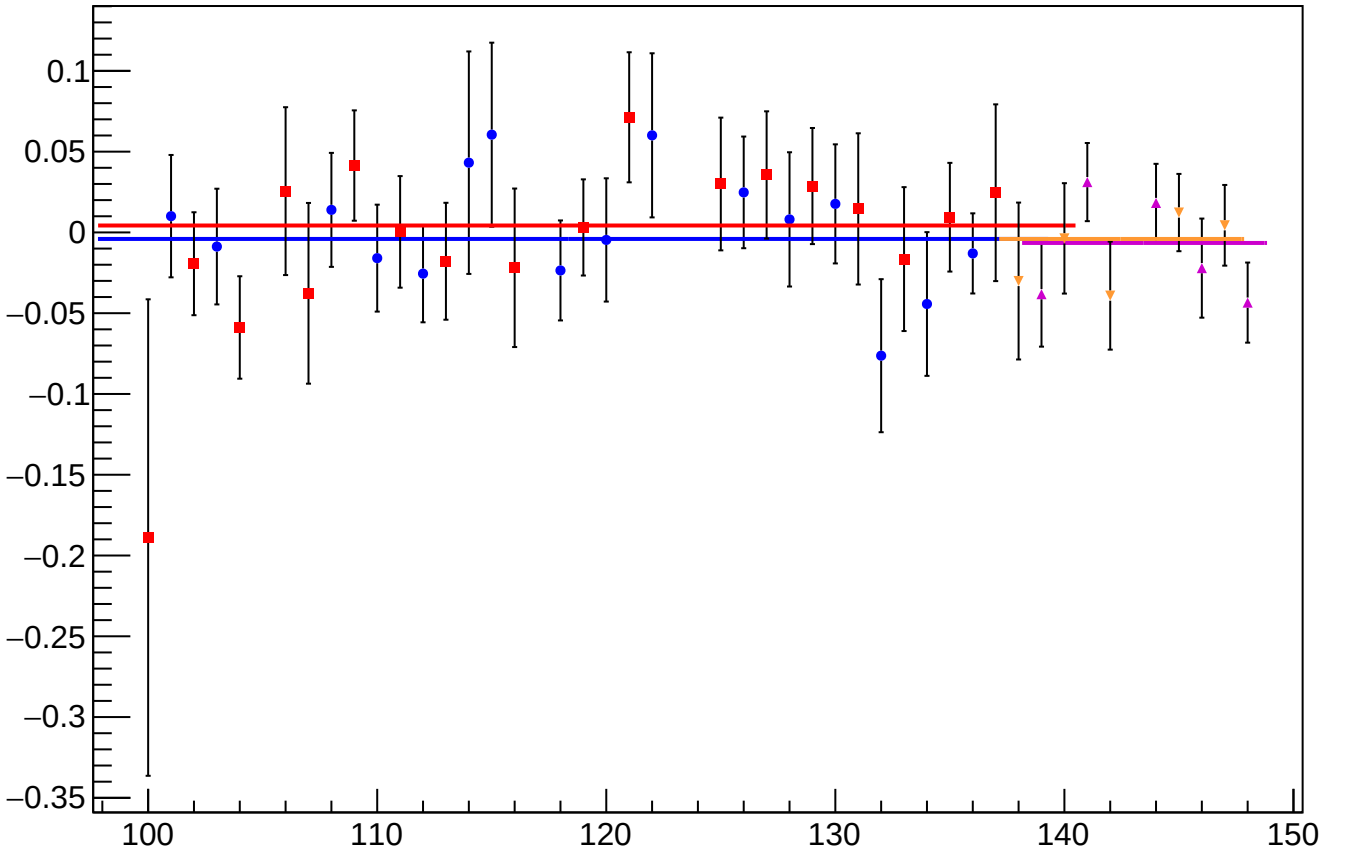
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:619539.6/4

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

All: 0.001+/-0.000 χ^2/NDF: 15810112.2/43

- sign 0.001+/-0.000 χ^2/NDF: 8833286.4/22



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

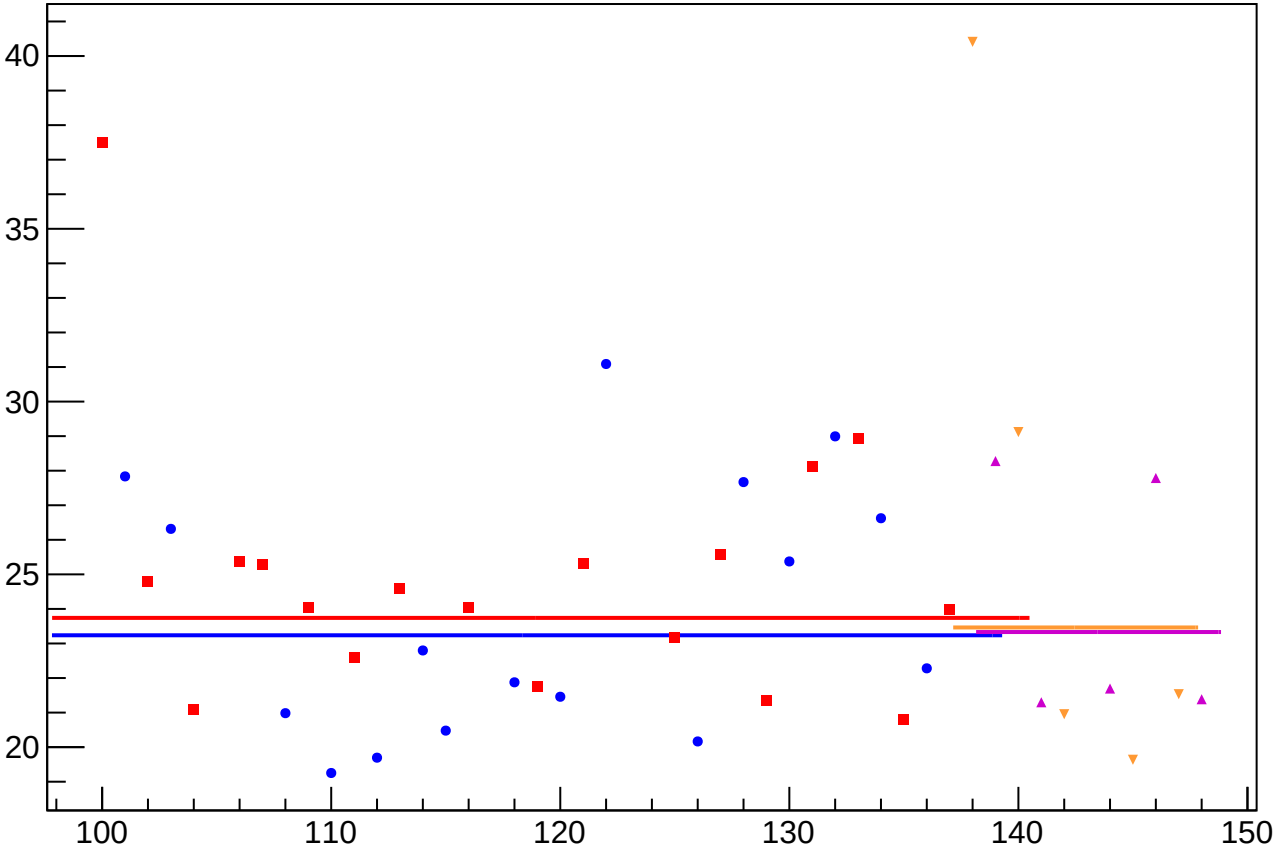
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

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

All: -0.002+/-0.005 χ^2/NDF: 32.2/43

- sign 0.000+/-0.007 χ^2/NDF: 20.9/22

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

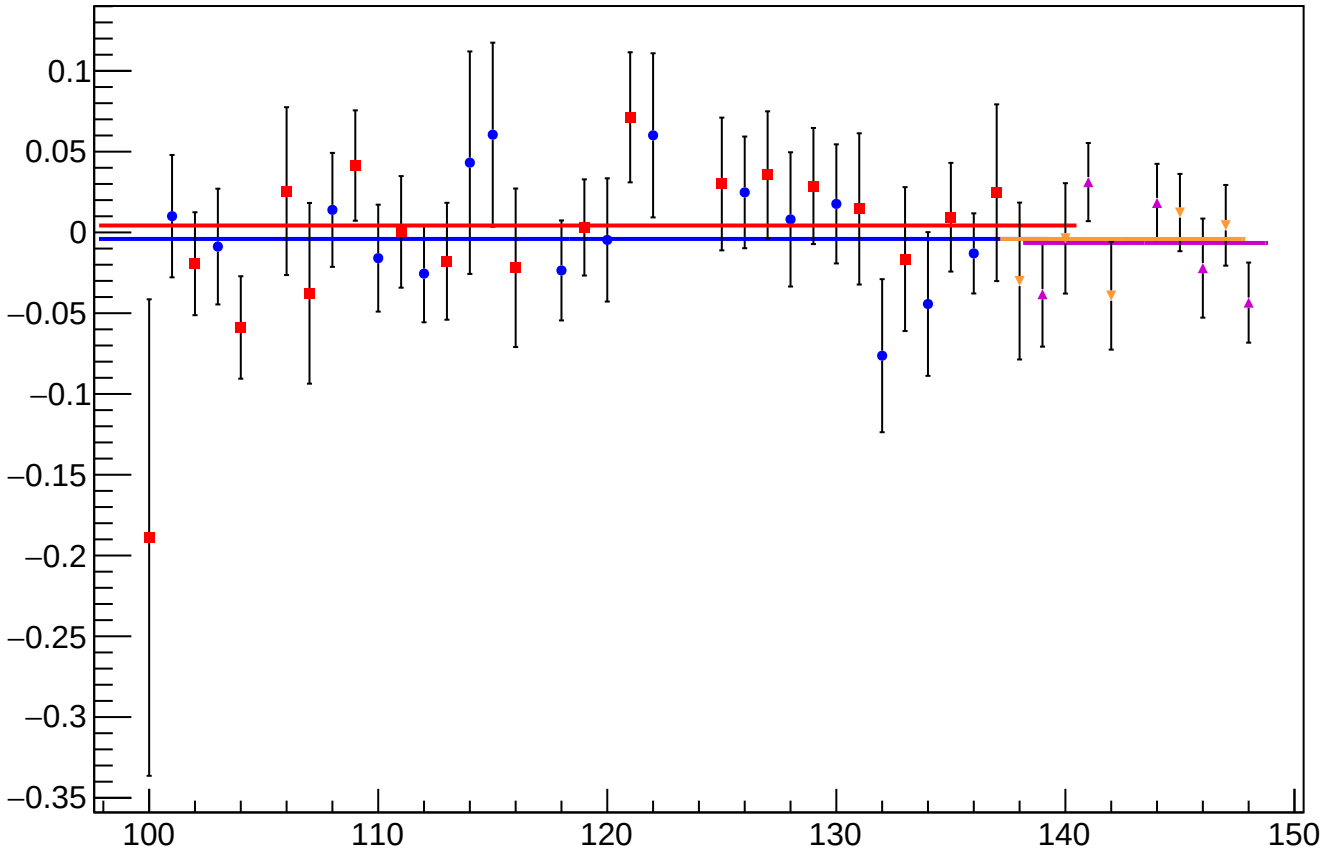
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.331+/-0.008 χ^2/NDF:124202.1/4

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

All: 23.453+/-0.004 χ^2/NDF: 885547.3/43

- sign 23.585+/-0.005 χ^2/NDF: 251799.8/22



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

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

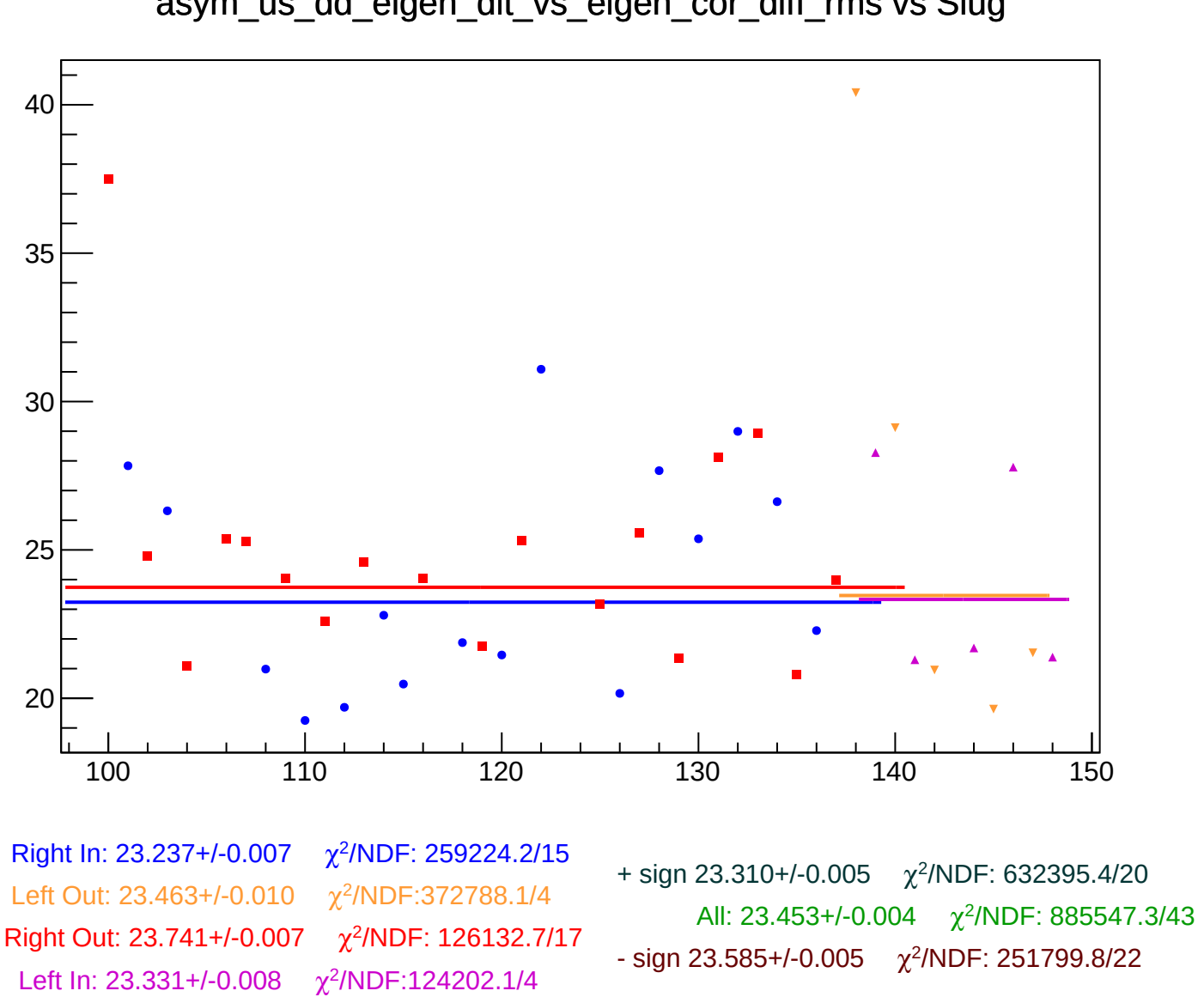
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

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

All: -0.002+/-0.005 χ^2/NDF: 32.2/43

- sign 0.000+/-0.007 χ^2/NDF: 20.9/22



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

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

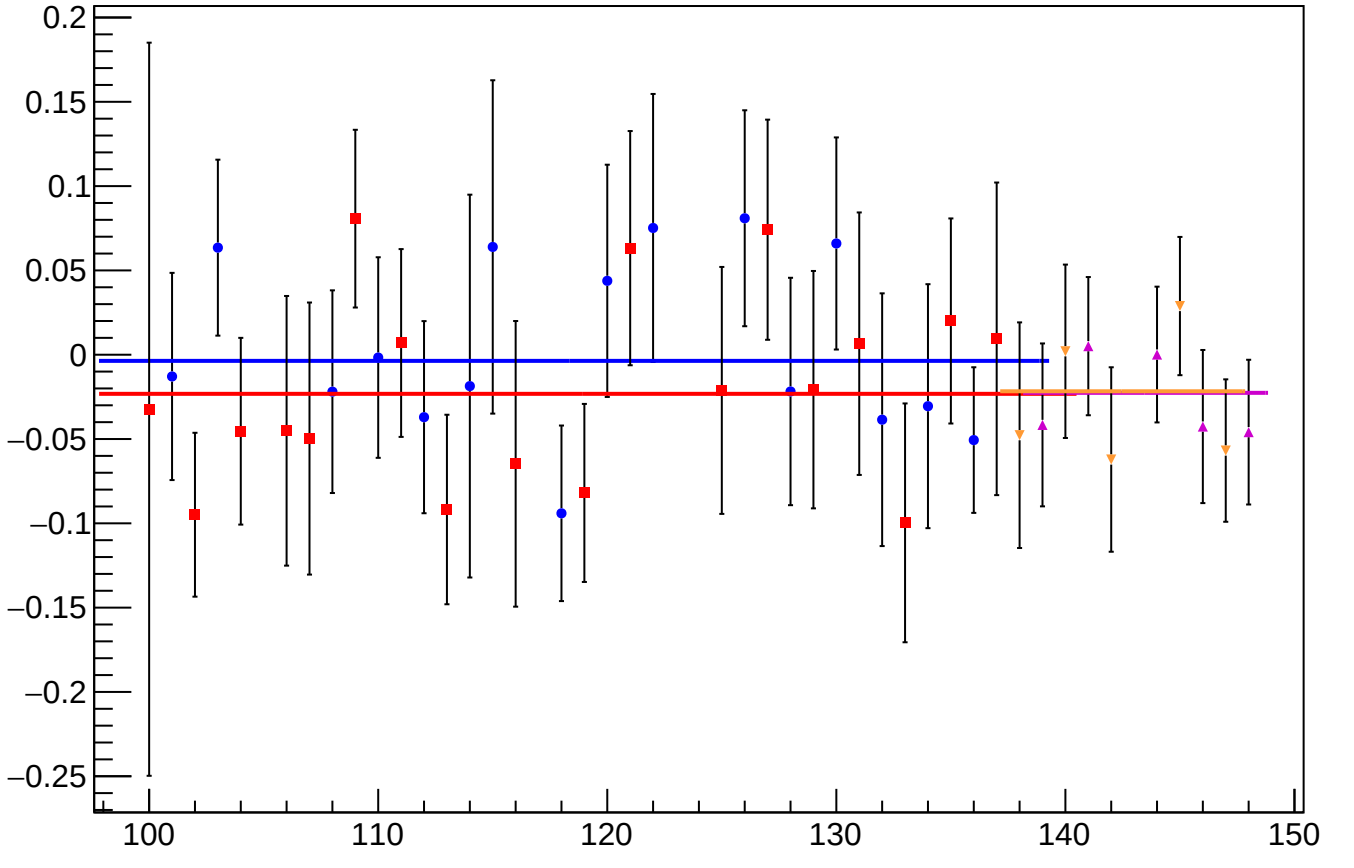
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.331+/-0.008 χ^2/NDF:124202.1/4

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

All: 23.453+/-0.004 χ^2/NDF: 885547.3/43

- sign 23.585+/-0.005 χ^2/NDF: 251799.8/22



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

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

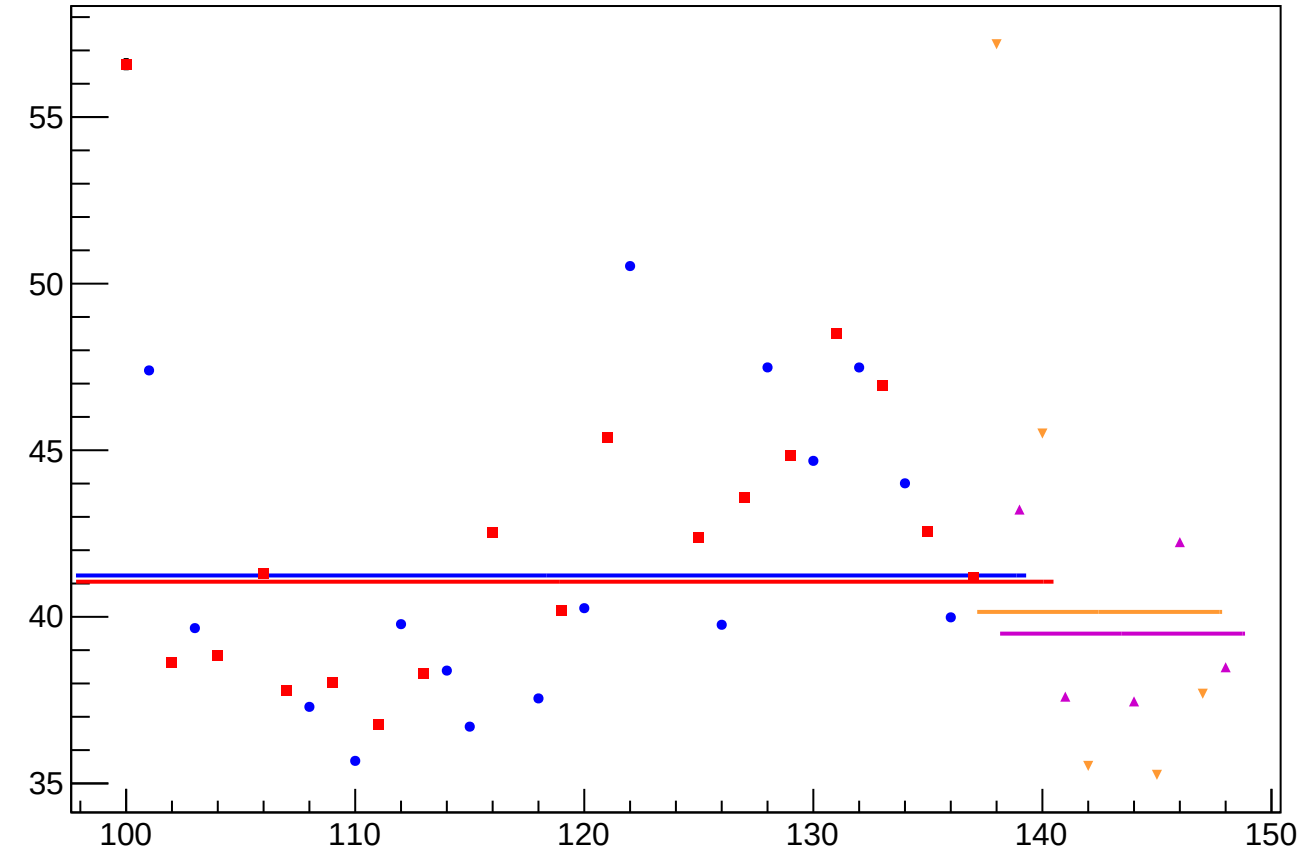
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.023+/-0.019 χ^2/NDF:1.4/4

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

All: -0.017+/-0.009 χ^2/NDF: 32.6/43

- sign -0.023+/-0.012 χ^2/NDF: 16.8/22



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

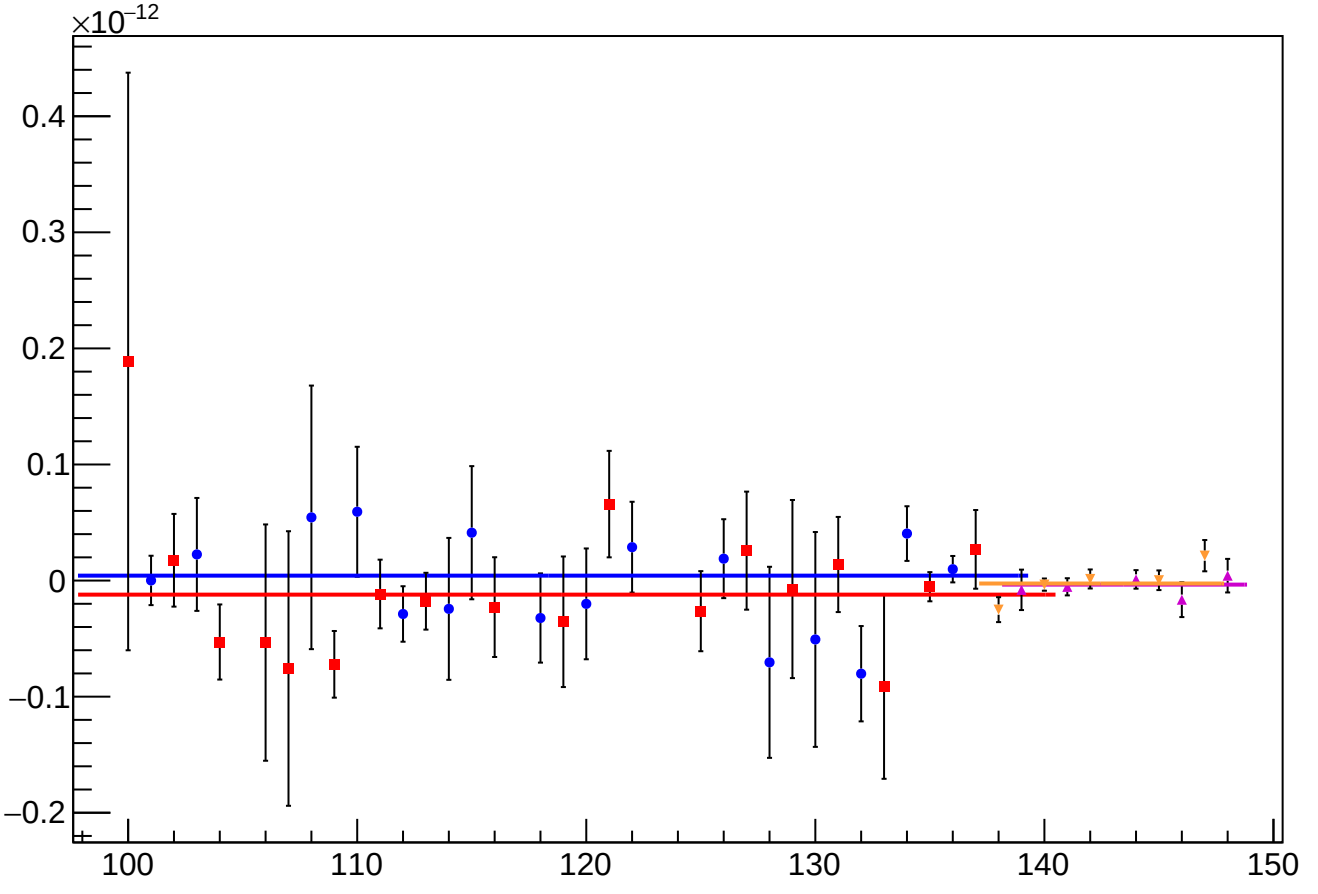
Left In: 39.496+/-0.014 χ^2/NDF:29669.6/4

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

All: 40.646+/-0.006 χ^2/NDF: 474683.1/43

- sign 40.445+/-0.009 χ^2/NDF: 134118.4/22

asym_us_dd_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:7.9/4

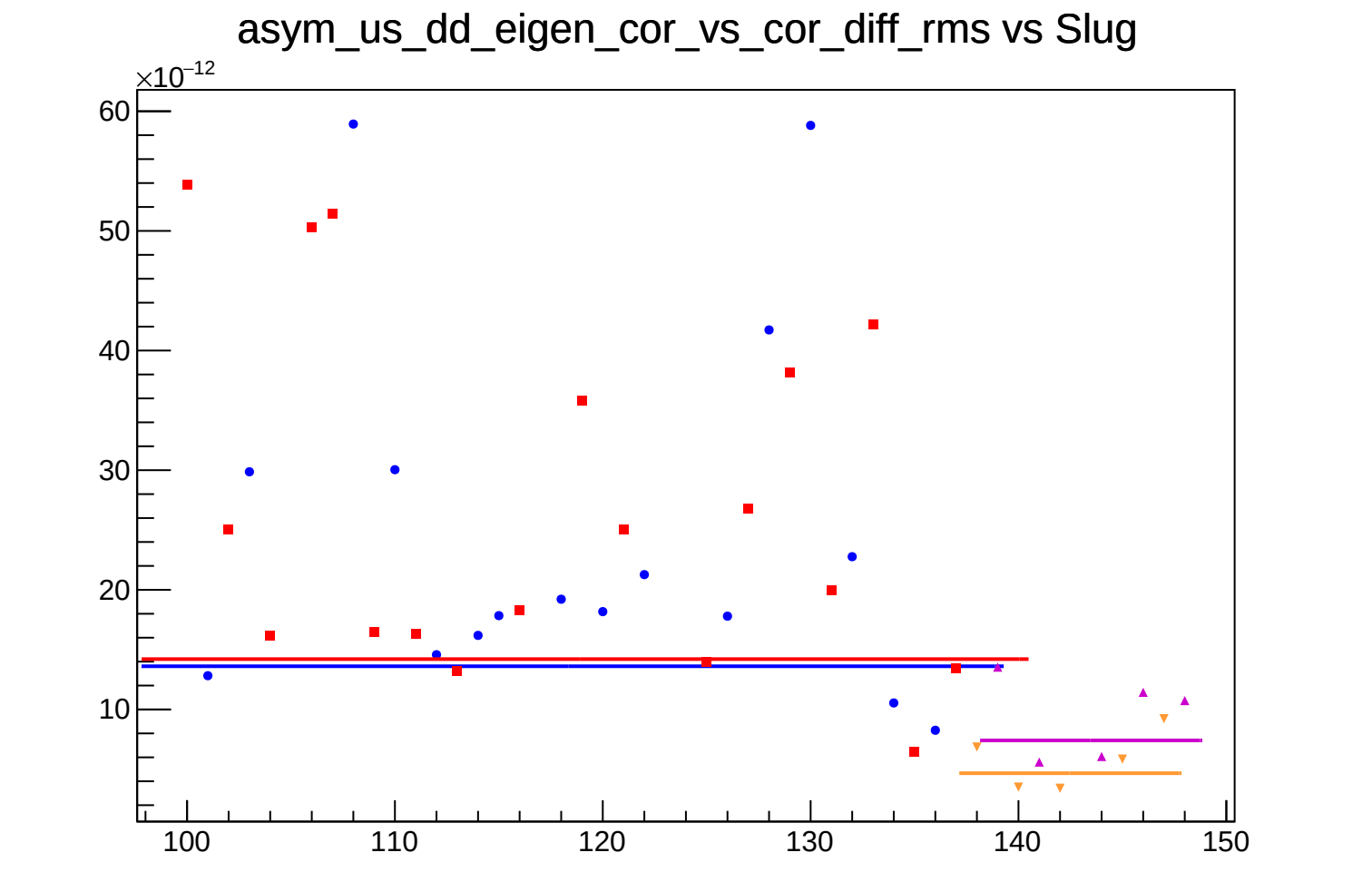
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

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

All: -0.000+/-0.000 χ^2/NDF: 40.0/43

\- sign -0.000+/-0.000 χ^2/NDF: 16.9/22



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

Left Out: 0.000+/-0.000 χ^2/NDF:495494.4/4

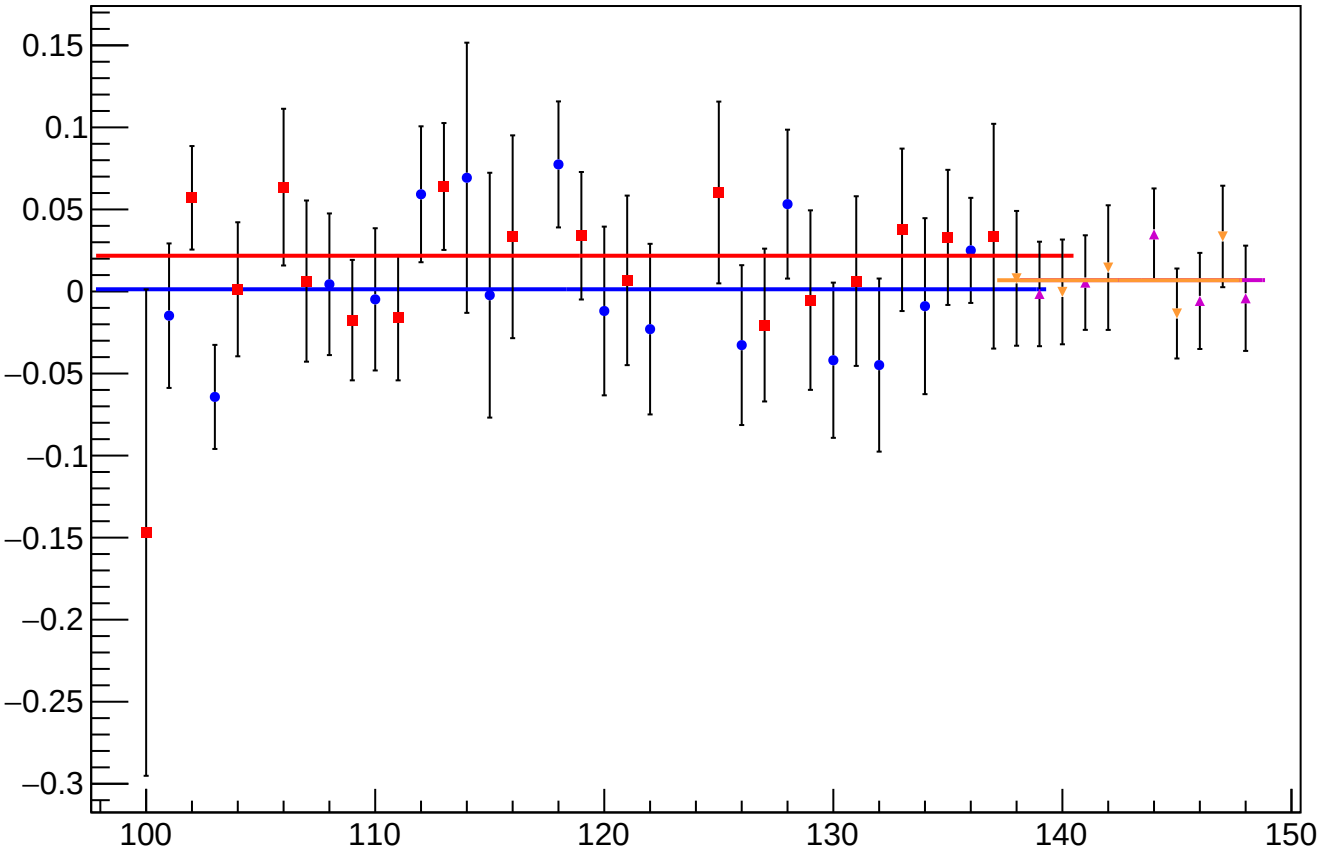
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:673293.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 5067640.5/20

All: 0.000+/-0.000 χ^2/NDF: 9951602.9/43

- sign 0.000+/-0.000 χ^2/NDF: 4268647.3/22



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

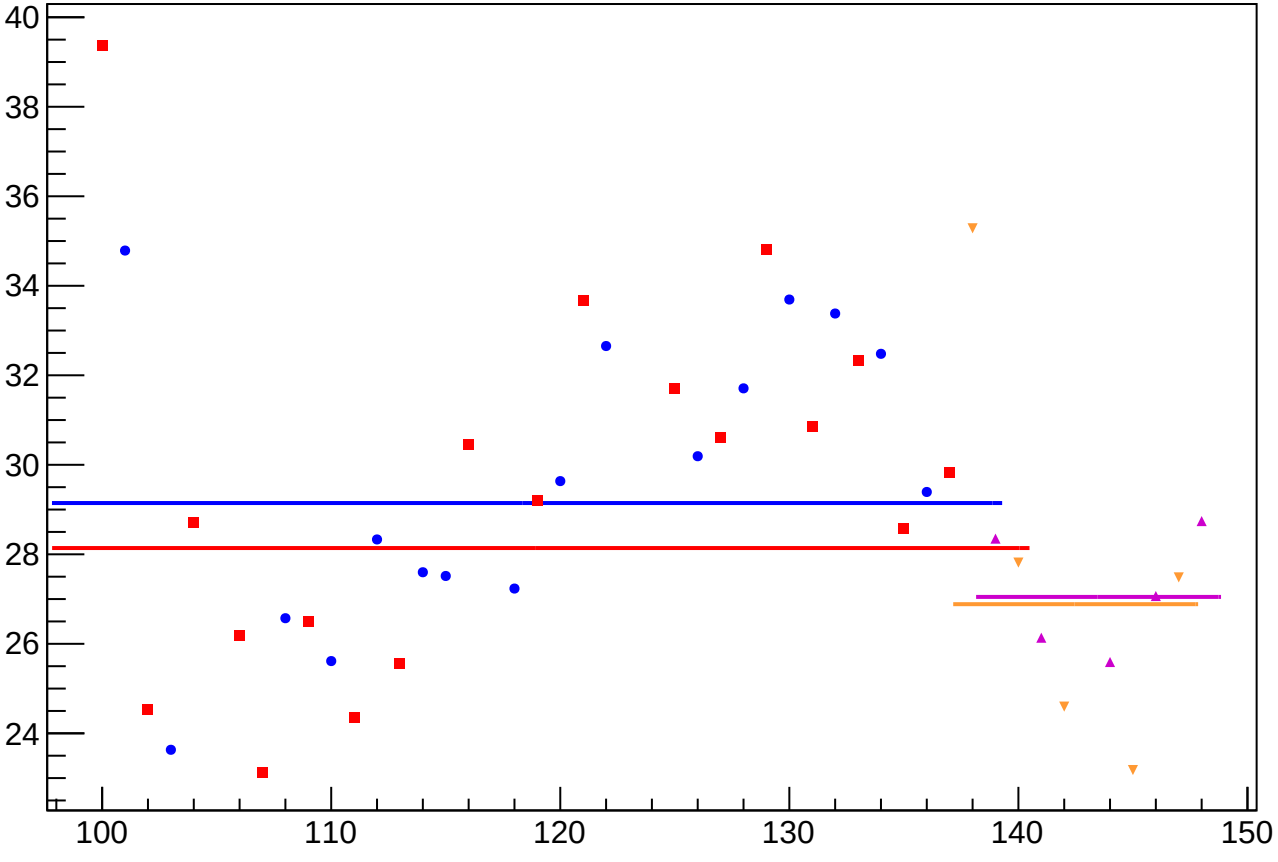
Left In: 0.007+/-0.013 χ^2/NDF:1.4/4

+ sign 0.003+/-0.009 χ^2/NDF: 16.7/20

All: 0.010+/-0.006 χ^2/NDF: 29.0/43

- sign 0.016+/-0.008 χ^2/NDF: 11.2/22

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

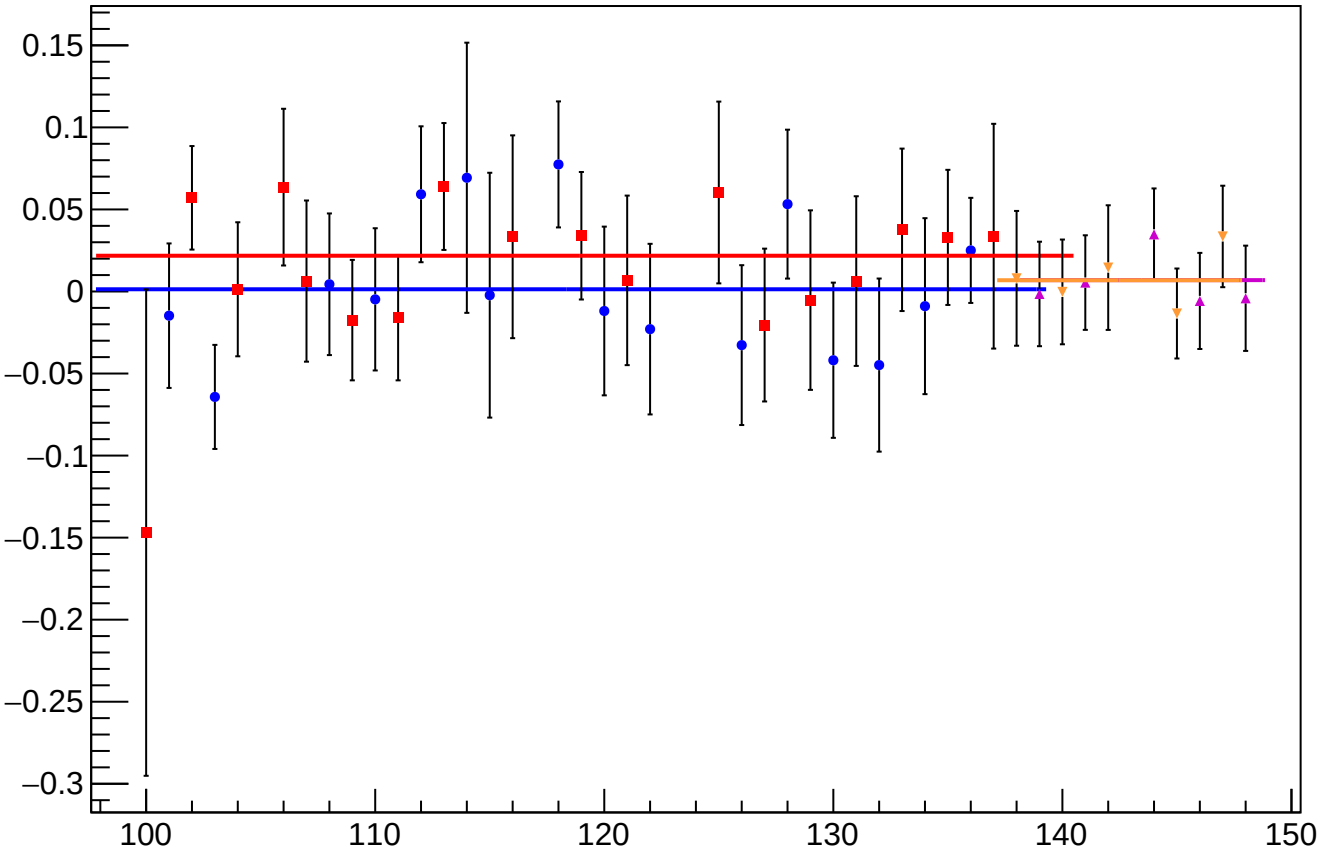
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.048+/-0.009 χ^2/NDF:16331.6/4

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

All: 27.993+/-0.004 χ^2/NDF: 553117.5/43

- sign 27.709+/-0.006 χ^2/NDF: 211531.5/22



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

Left Out: 0.007+/-0.015 χ^2/NDF:1.4/4

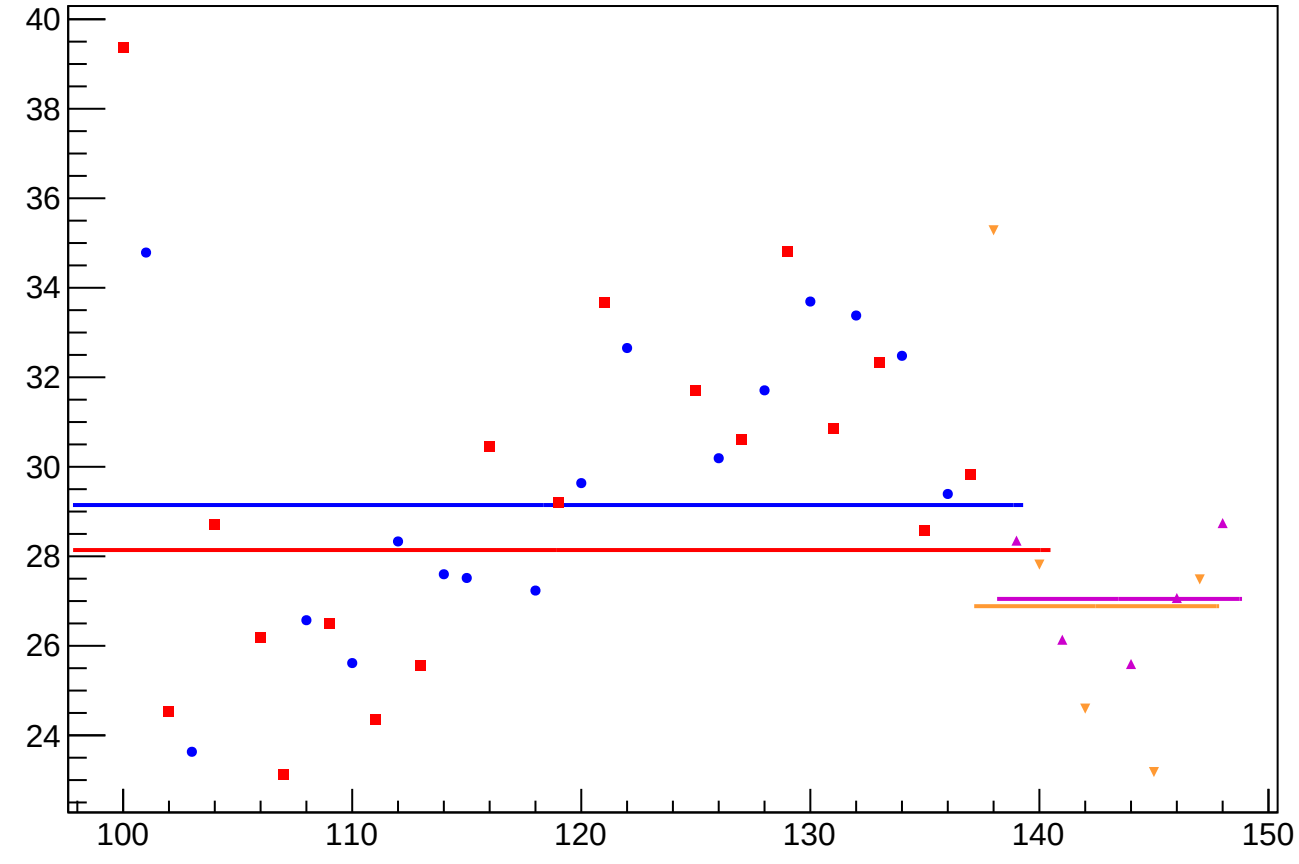
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.013 χ^2/NDF:1.4/4

+ sign 0.003+/-0.009 χ^2/NDF: 16.7/20

All: 0.010+/-0.006 χ^2/NDF: 29.0/43

- sign 0.016+/-0.008 χ^2/NDF: 11.2/22



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

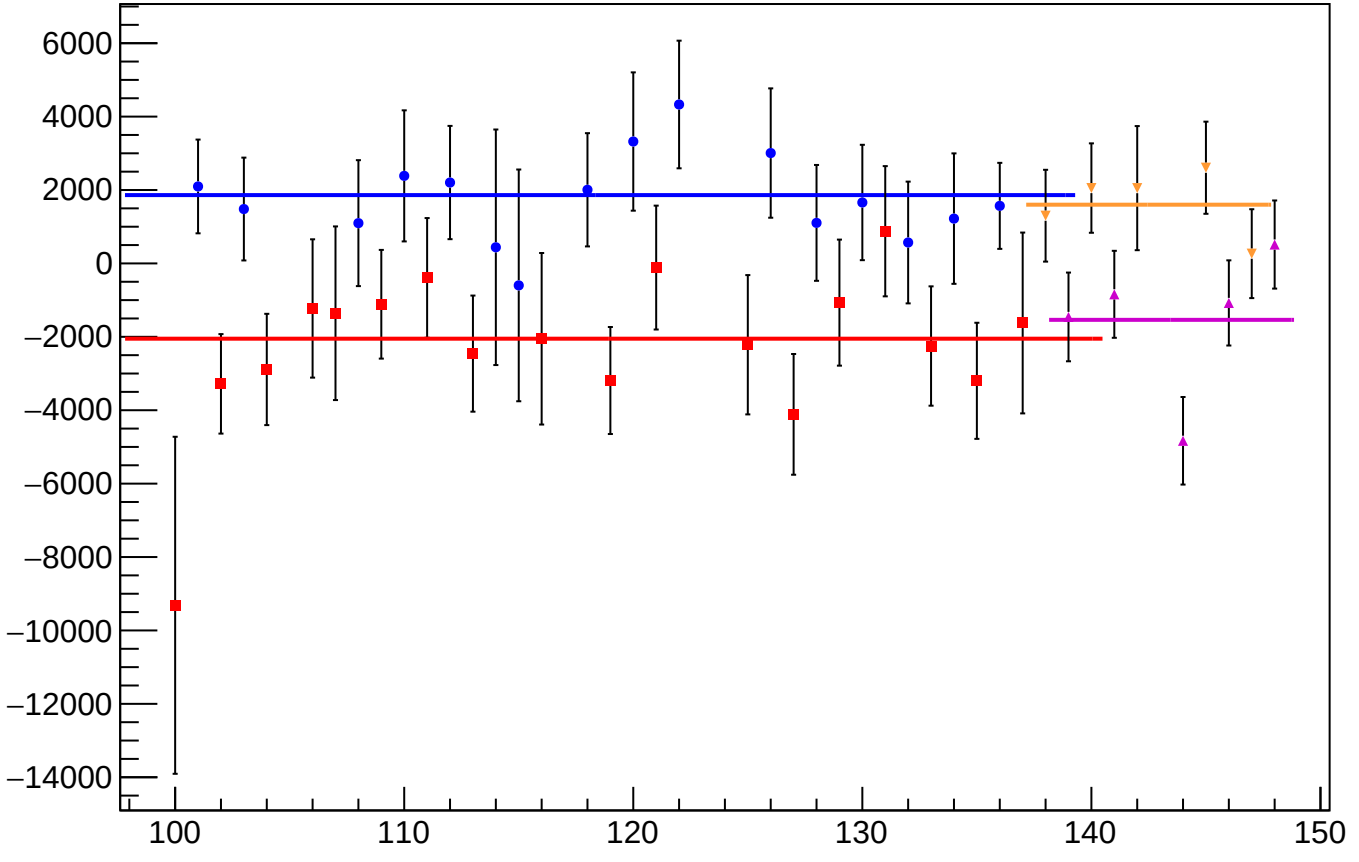
Left In: 27.048+/-0.009 χ^2/NDF:16331.6/4

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

All: 27.993+/-0.004 χ^2/NDF: 553117.5/43

- sign 27.709+/-0.006 χ^2/NDF: 211531.5/22

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

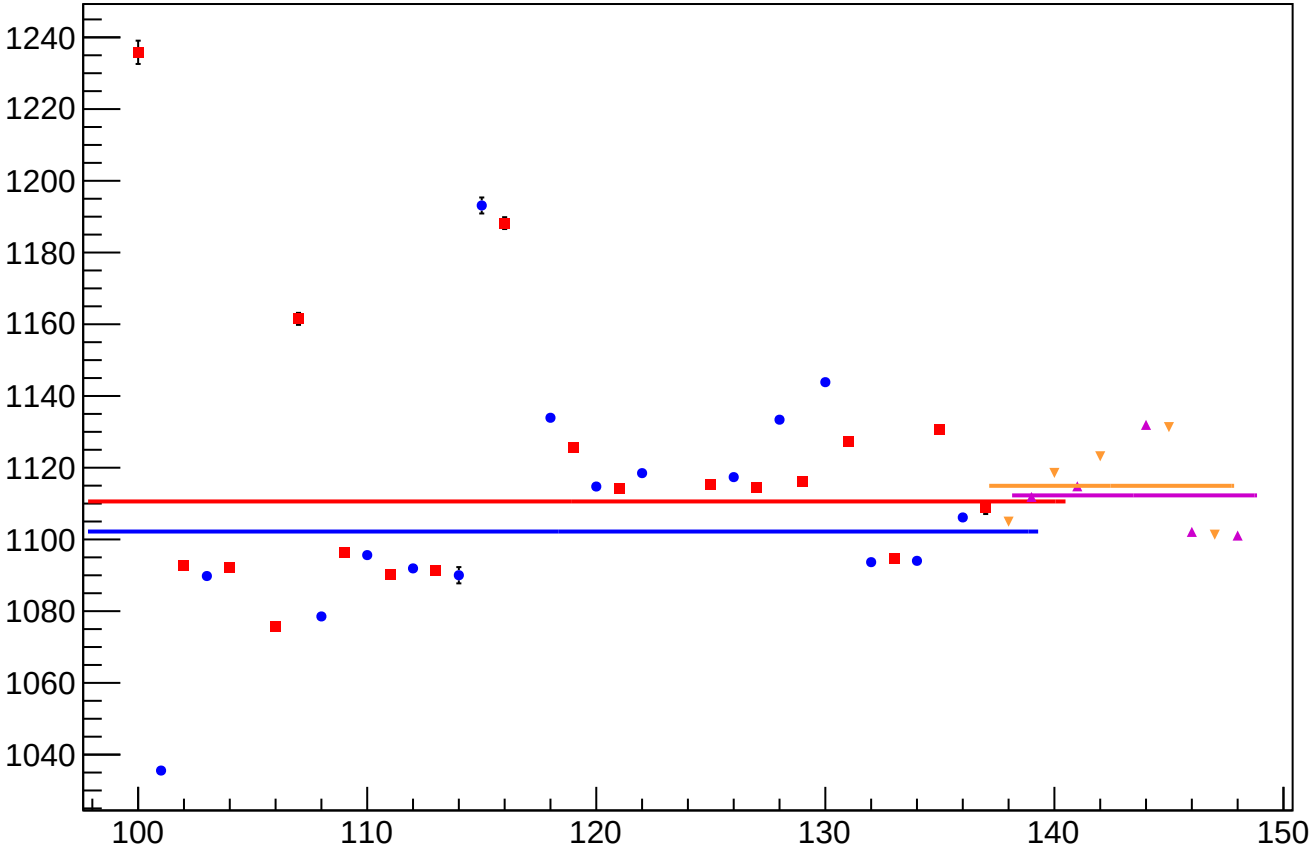
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

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

All: -98.275+/-232.816 χ^2/NDF: 92.6/43

- sign -1859.887+/-324.331 χ^2/NDF: 24.2/22

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

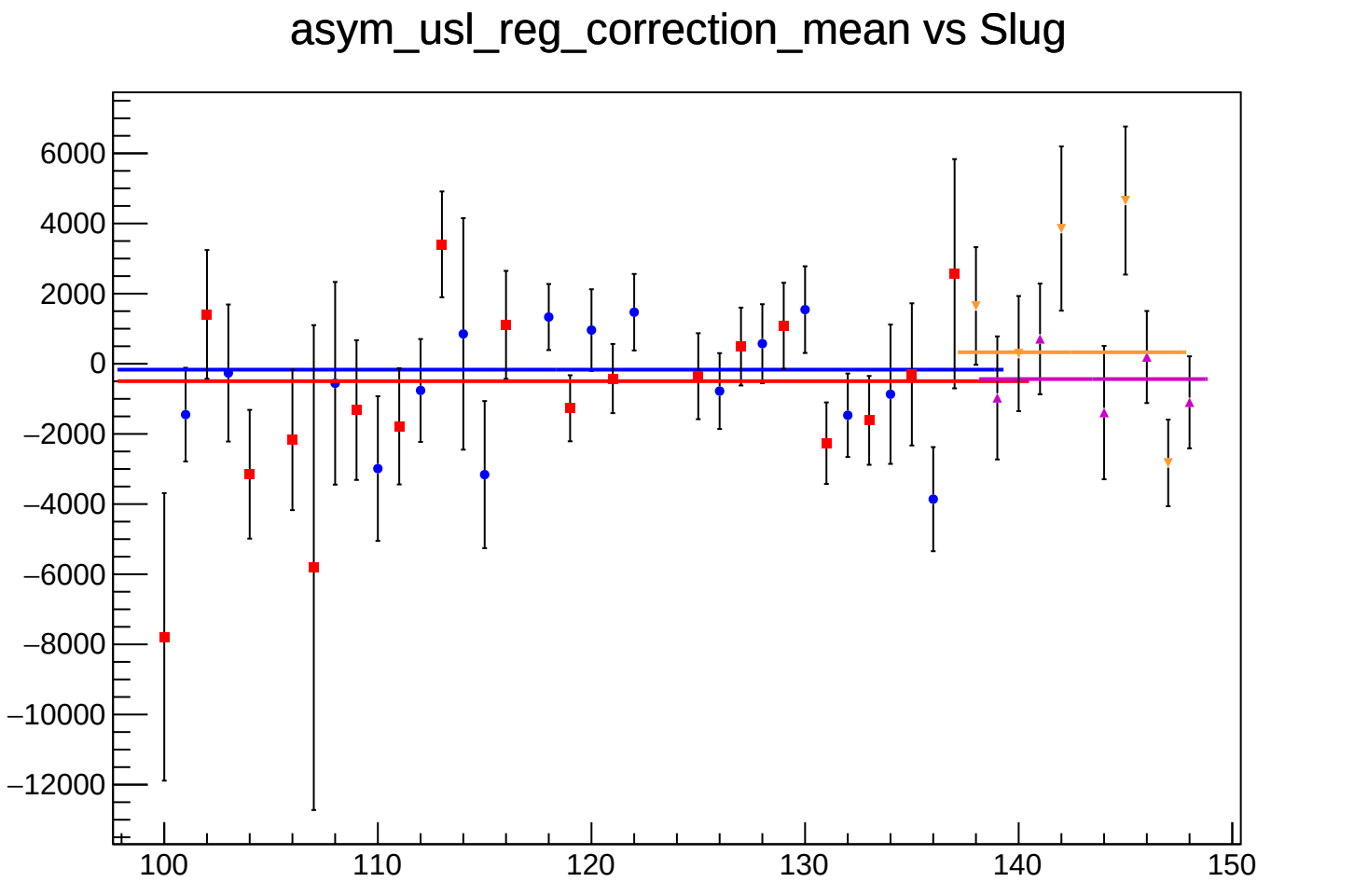
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

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

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43

- sign 1111.220+/-0.229 χ^2/NDF: 8589.4/22



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

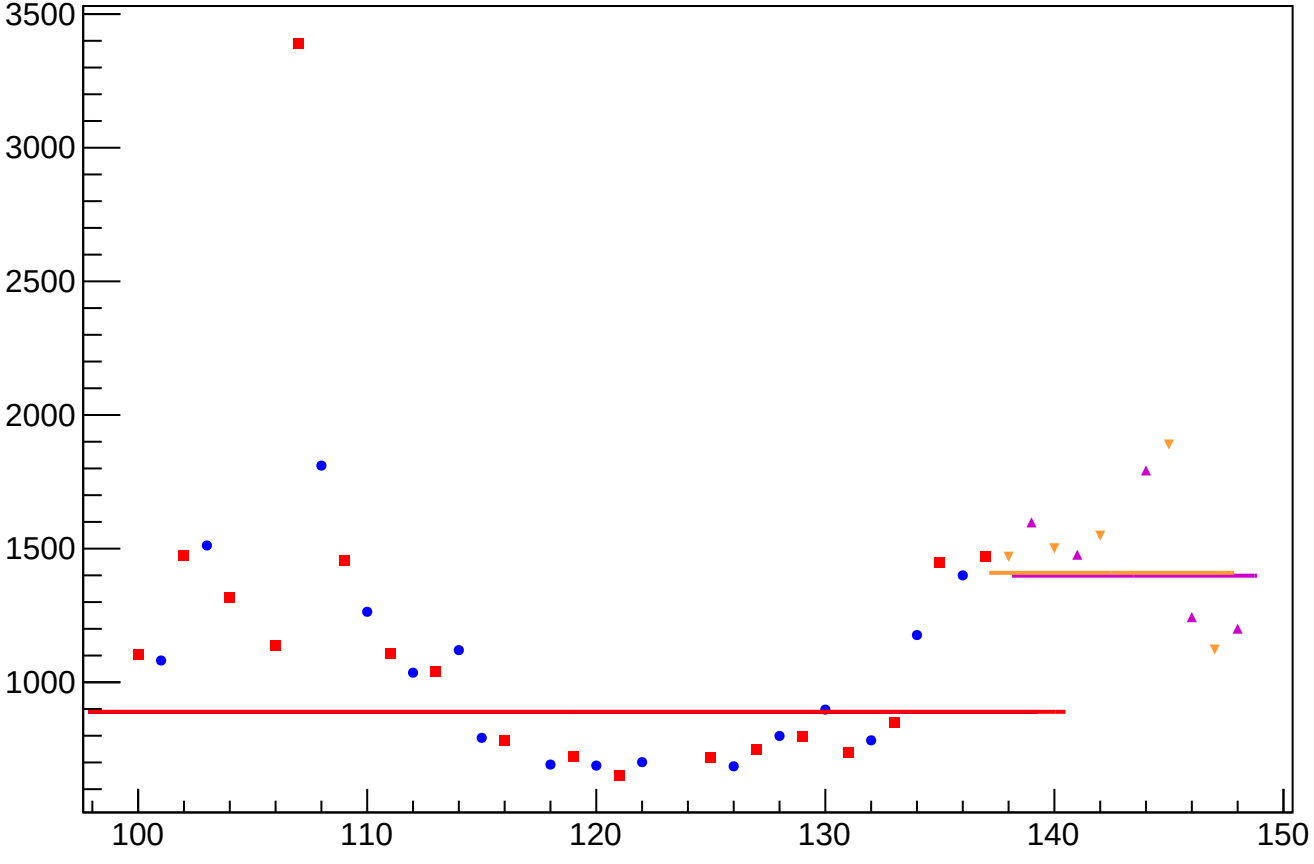
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

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

All: -285.582+/-219.610 χ^2/NDF: 60.5/43

- sign -483.001+/-307.665 χ^2/NDF: 24.7/22

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

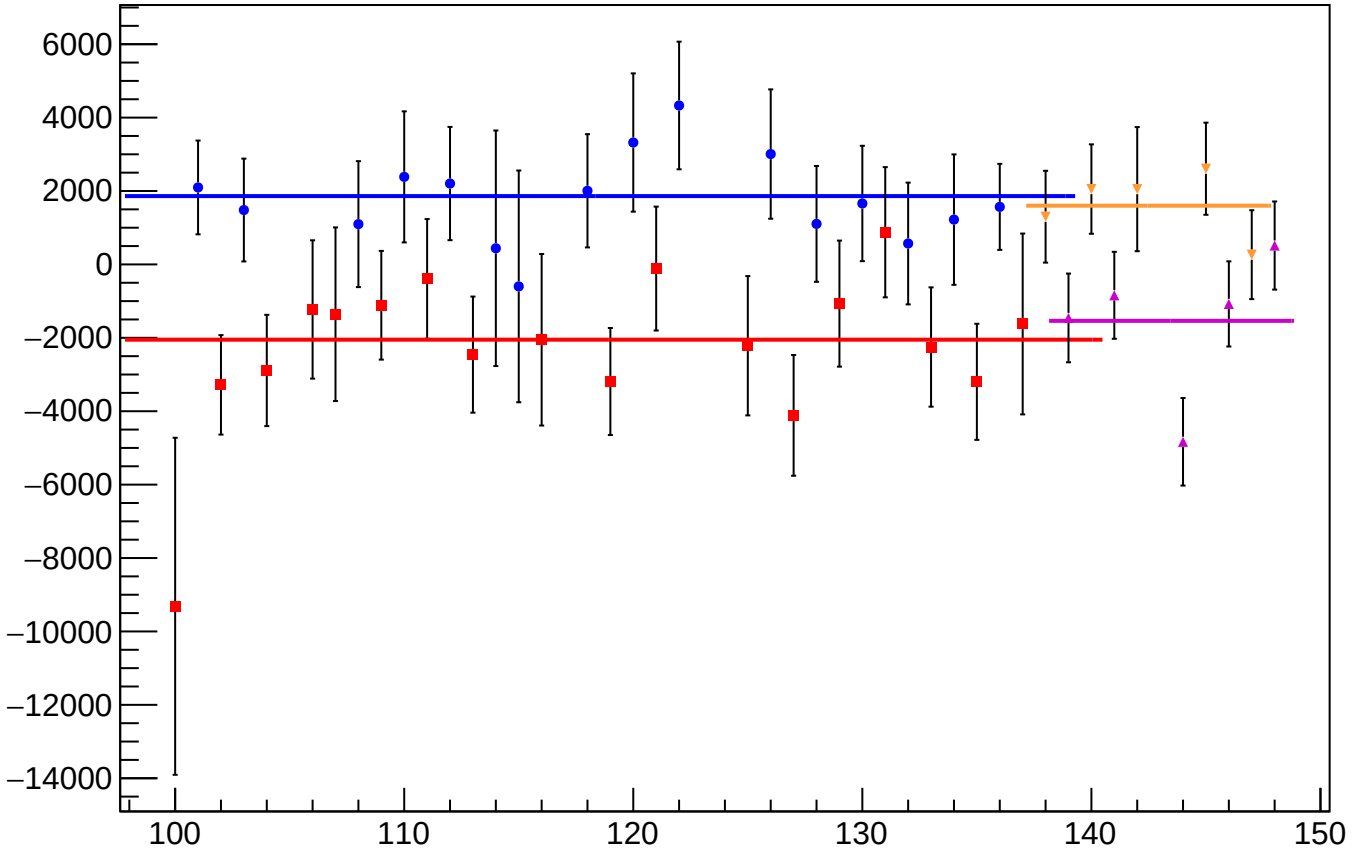
Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

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

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

- sign 993.879+/-0.218 χ^2/NDF: 2429115.7/22

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

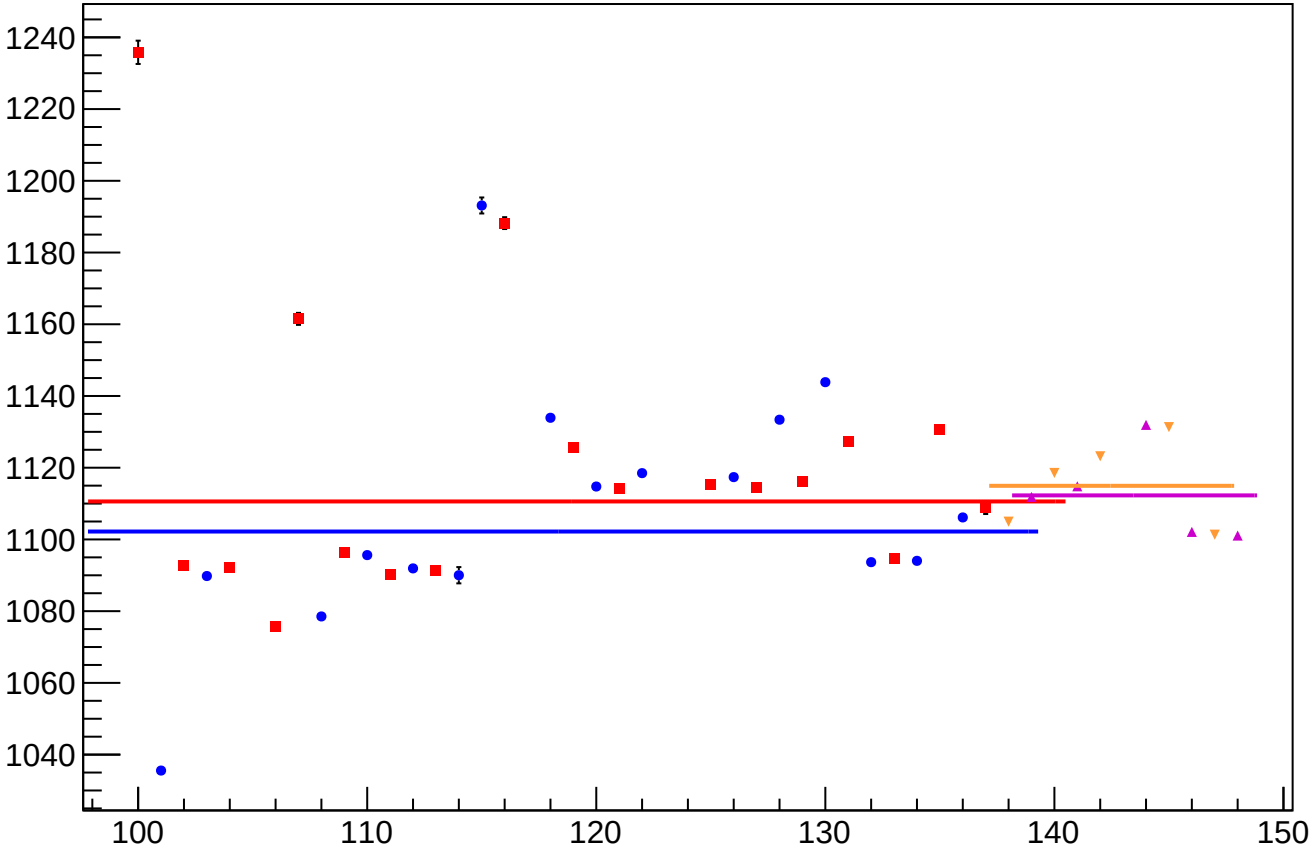
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

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

All: -98.275+/-232.816 χ^2/NDF: 92.6/43

- sign -1859.887+/-324.331 χ^2/NDF: 24.2/22

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

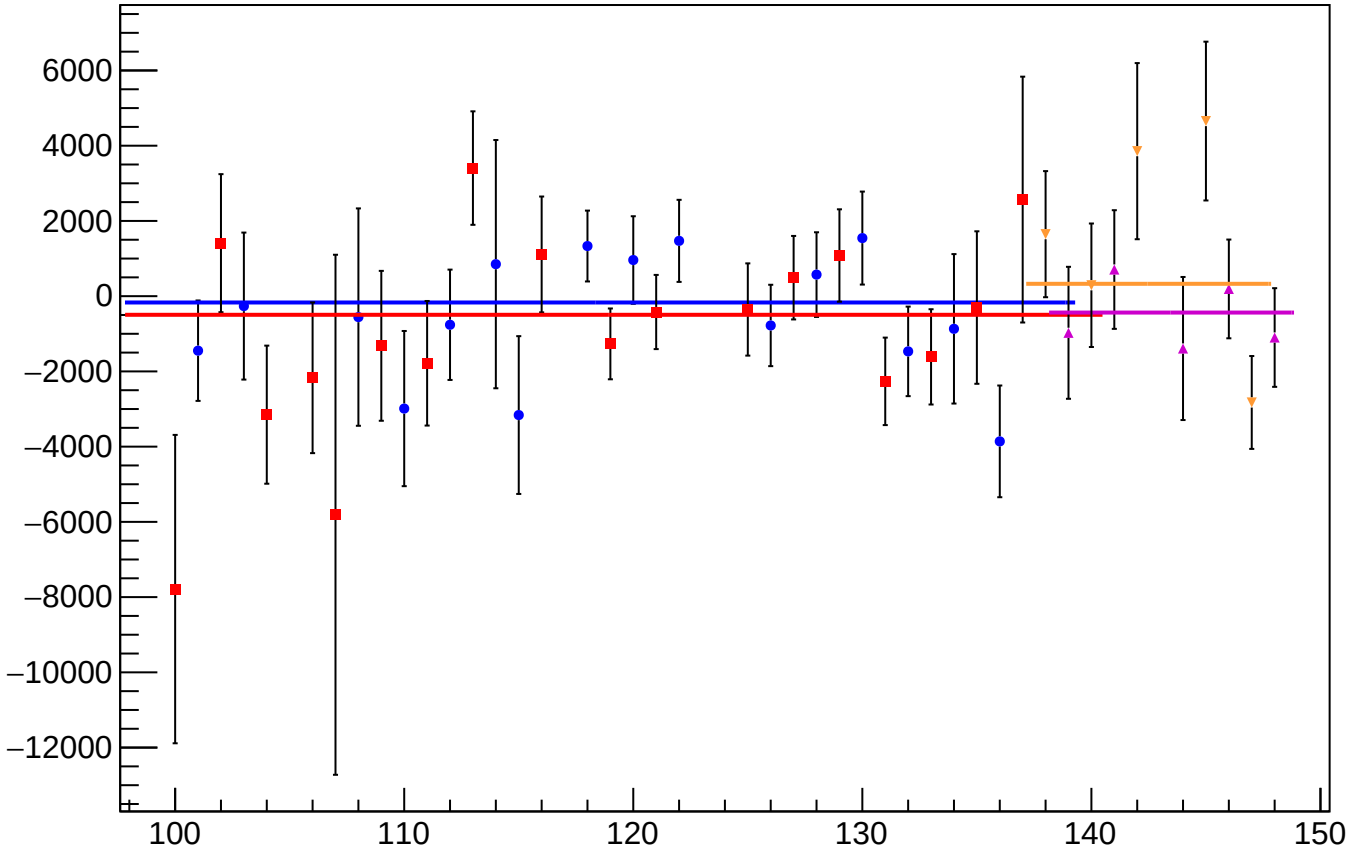
Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

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

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43

- sign 1111.220+/-0.229 χ^2/NDF: 8589.4/22

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

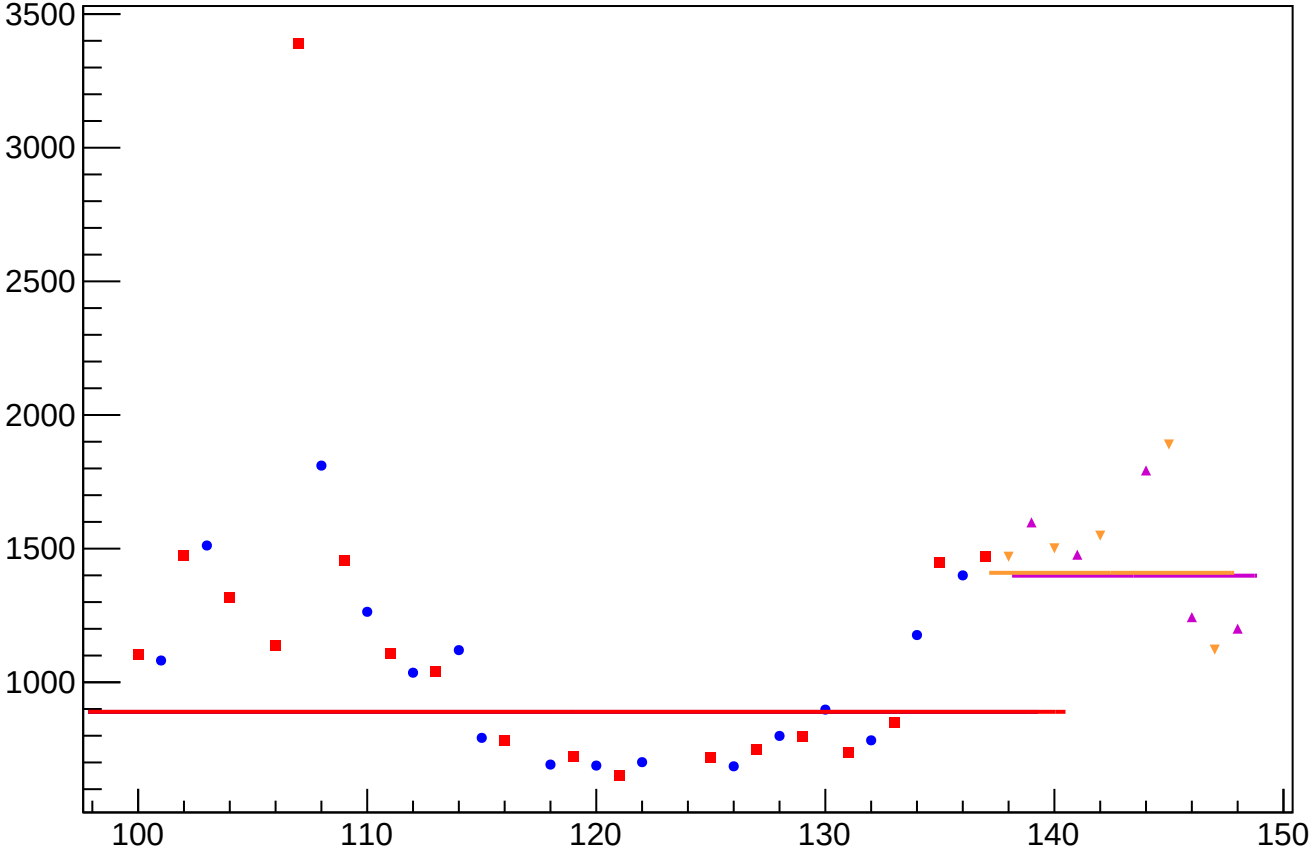
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

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

All: -285.582+/-219.610 χ^2/NDF: 60.5/43

- sign -483.001+/-307.665 χ^2/NDF: 24.7/22

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

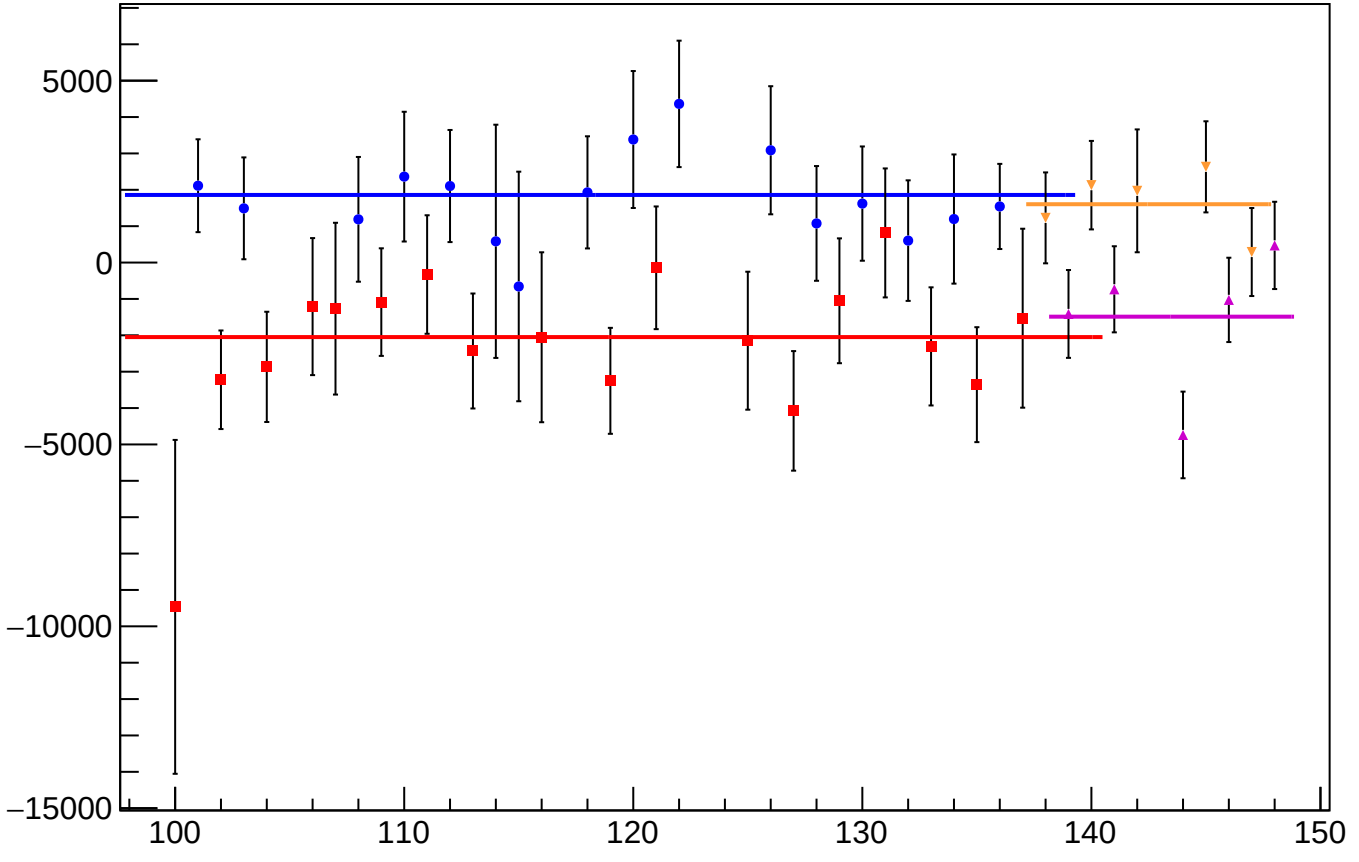
Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

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

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

- sign 993.879+/-0.218 χ^2/NDF: 2429115.7/22

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

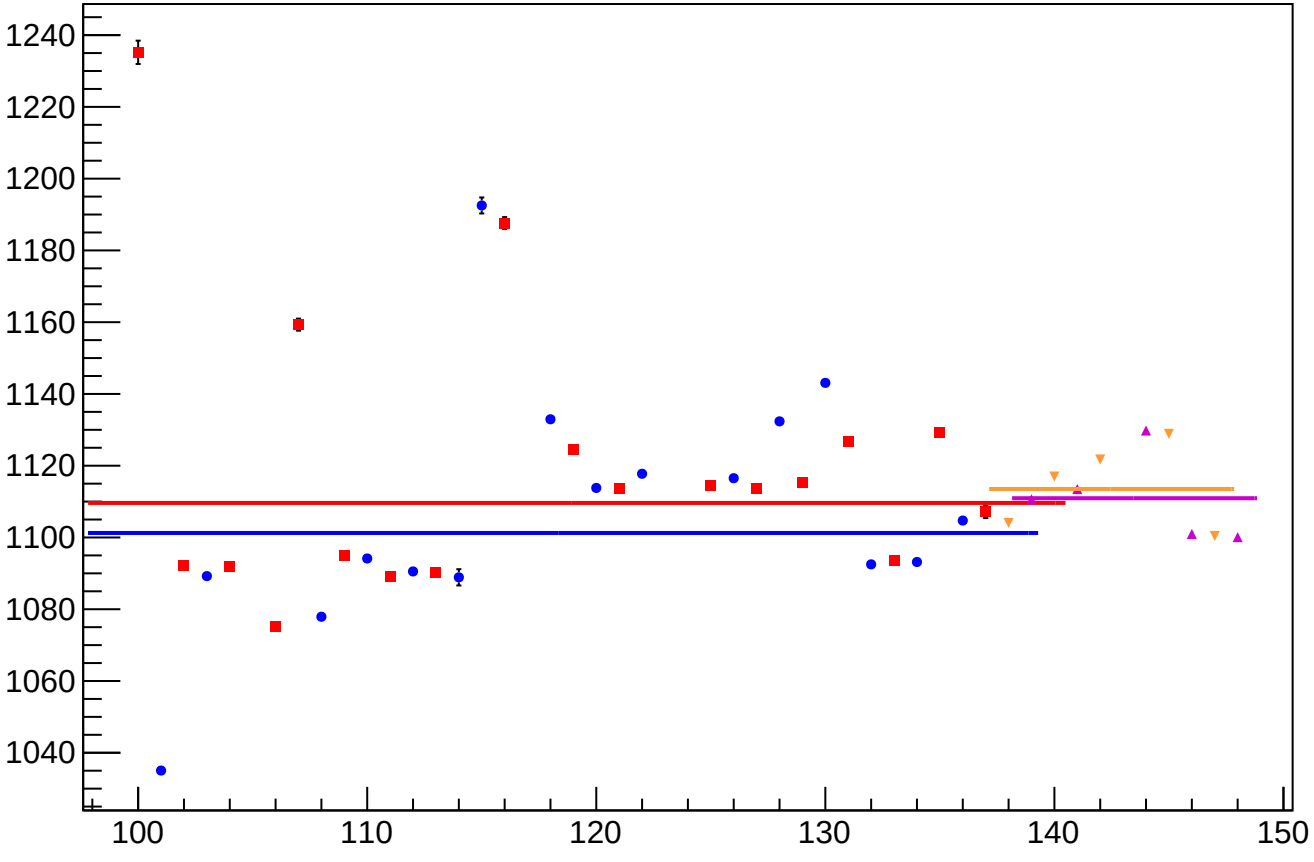
Left In: -1487.576+/-531.164 χ^2/NDF:10.7/4

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

All: -88.321+/-232.582 χ^2/NDF: 92.2/43

- sign -1839.891+/-324.009 χ^2/NDF: 24.1/22

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

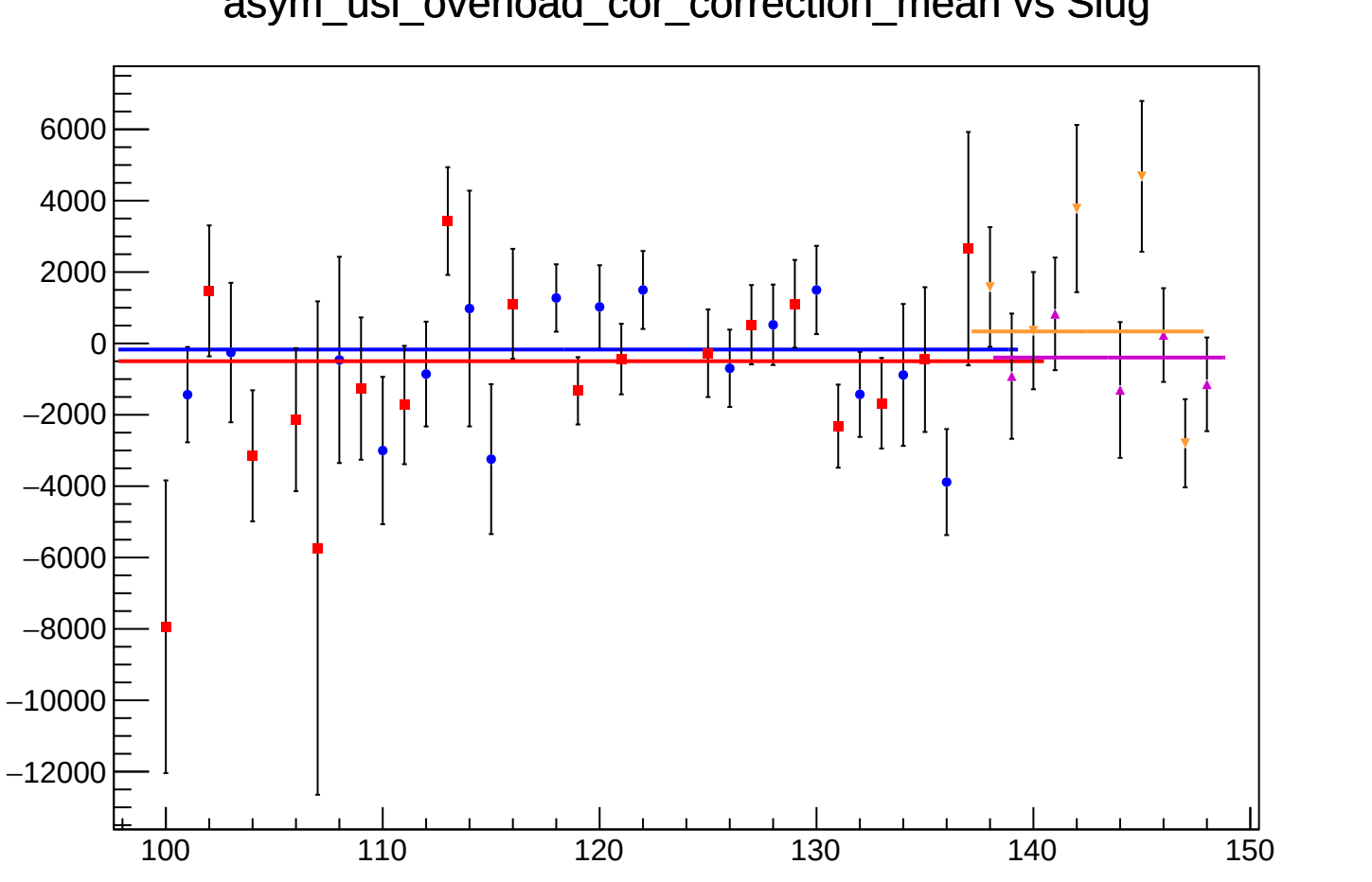
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1110.940+/-0.376 χ^2/NDF:822.6/4

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

All: 1107.802+/-0.164 χ^2/NDF: 21333.7/43

- sign 1110.117+/-0.229 χ^2/NDF: 8503.3/22



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

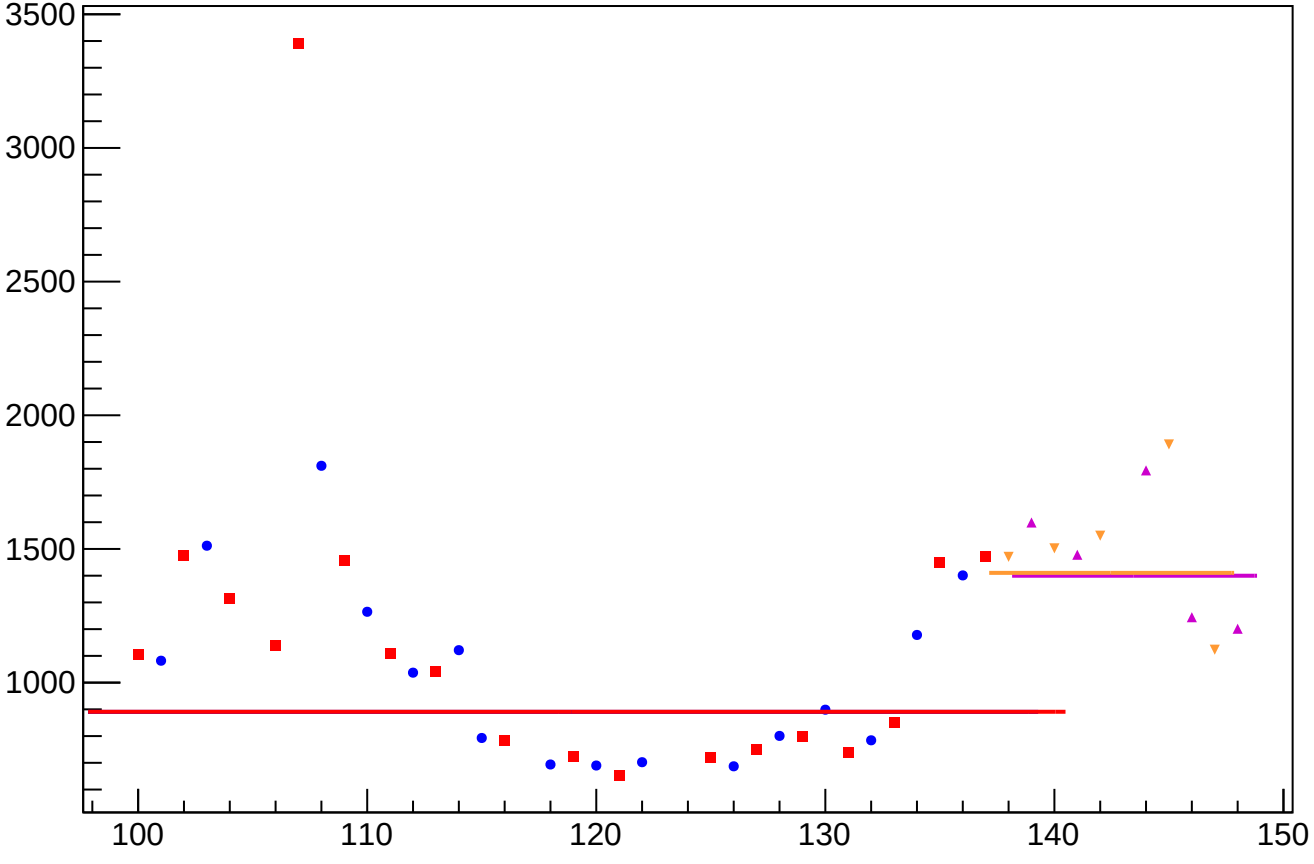
Left In: -395.250+/-680.042 χ^2/NDF:1.5/4

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

All: -283.030+/-219.910 χ^2/NDF: 60.9/43

- sign -476.879+/-308.072 χ^2/NDF: 25.4/22

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

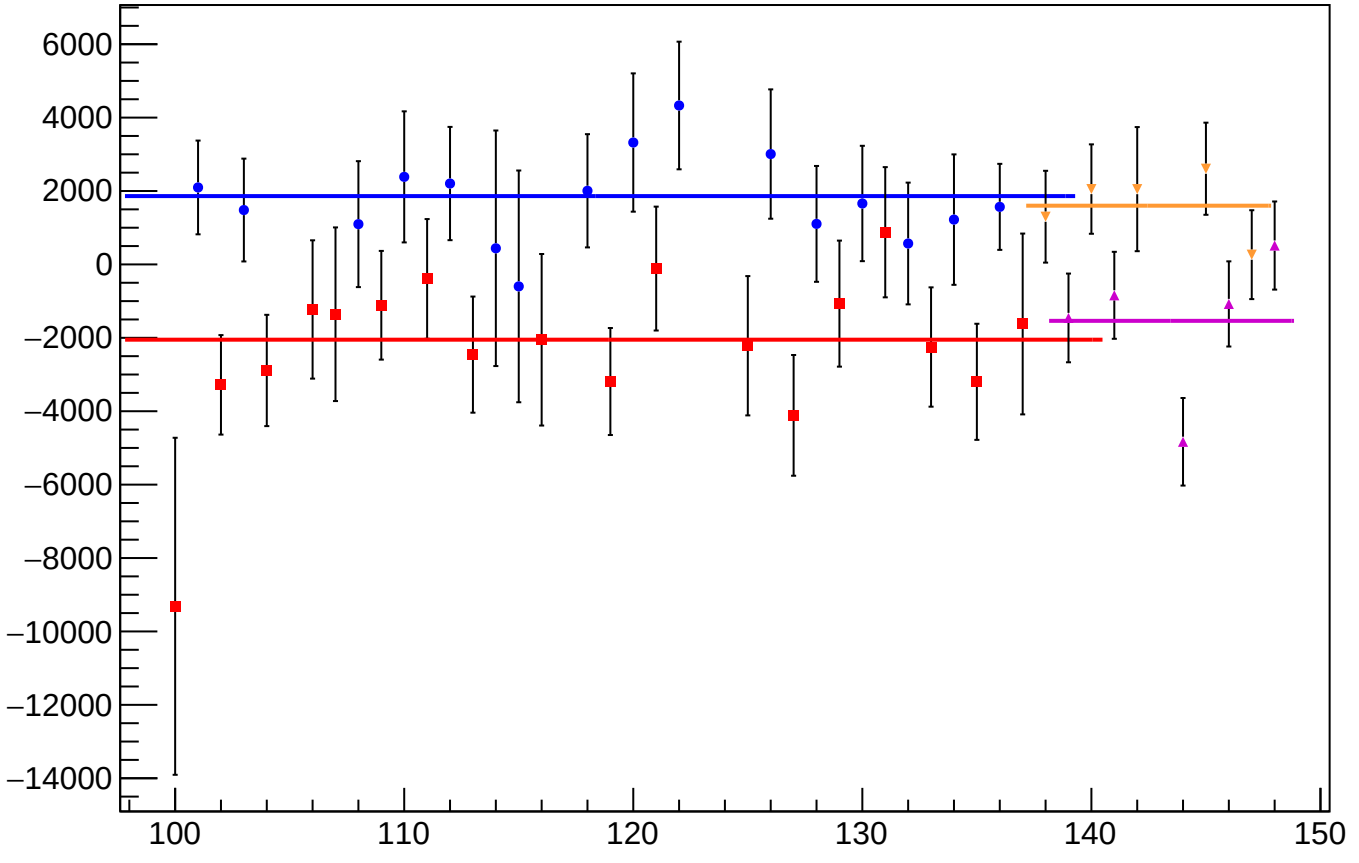
Left In: 1399.819+/-0.481 χ^2/NDF:190012.3/4

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

All: 988.890+/-0.156 χ^2/NDF: 4576428.9/43

- sign 995.374+/-0.218 χ^2/NDF: 2421904.7/22

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

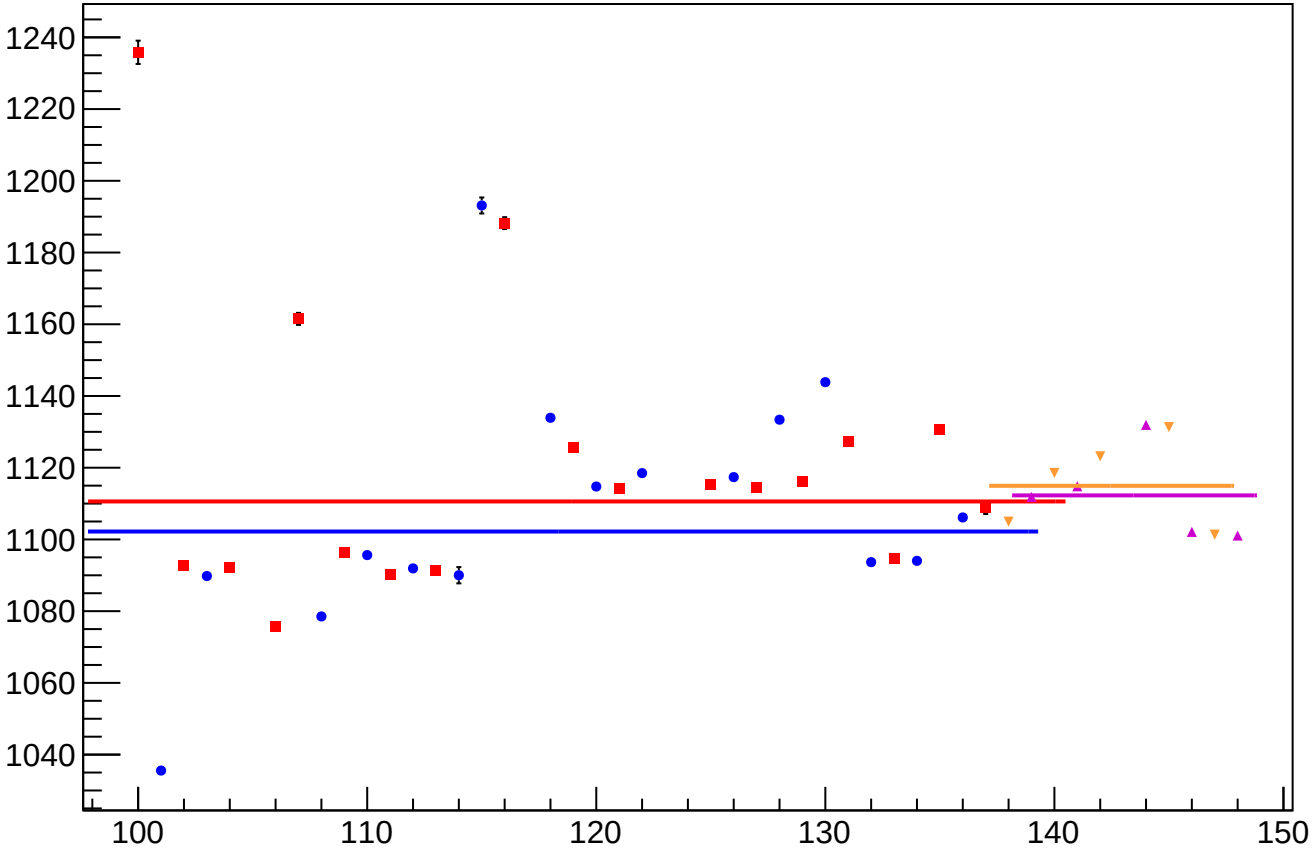
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

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

All: -98.275+/-232.816 χ^2/NDF: 92.6/43

- sign -1859.887+/-324.331 χ^2/NDF: 24.2/22

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

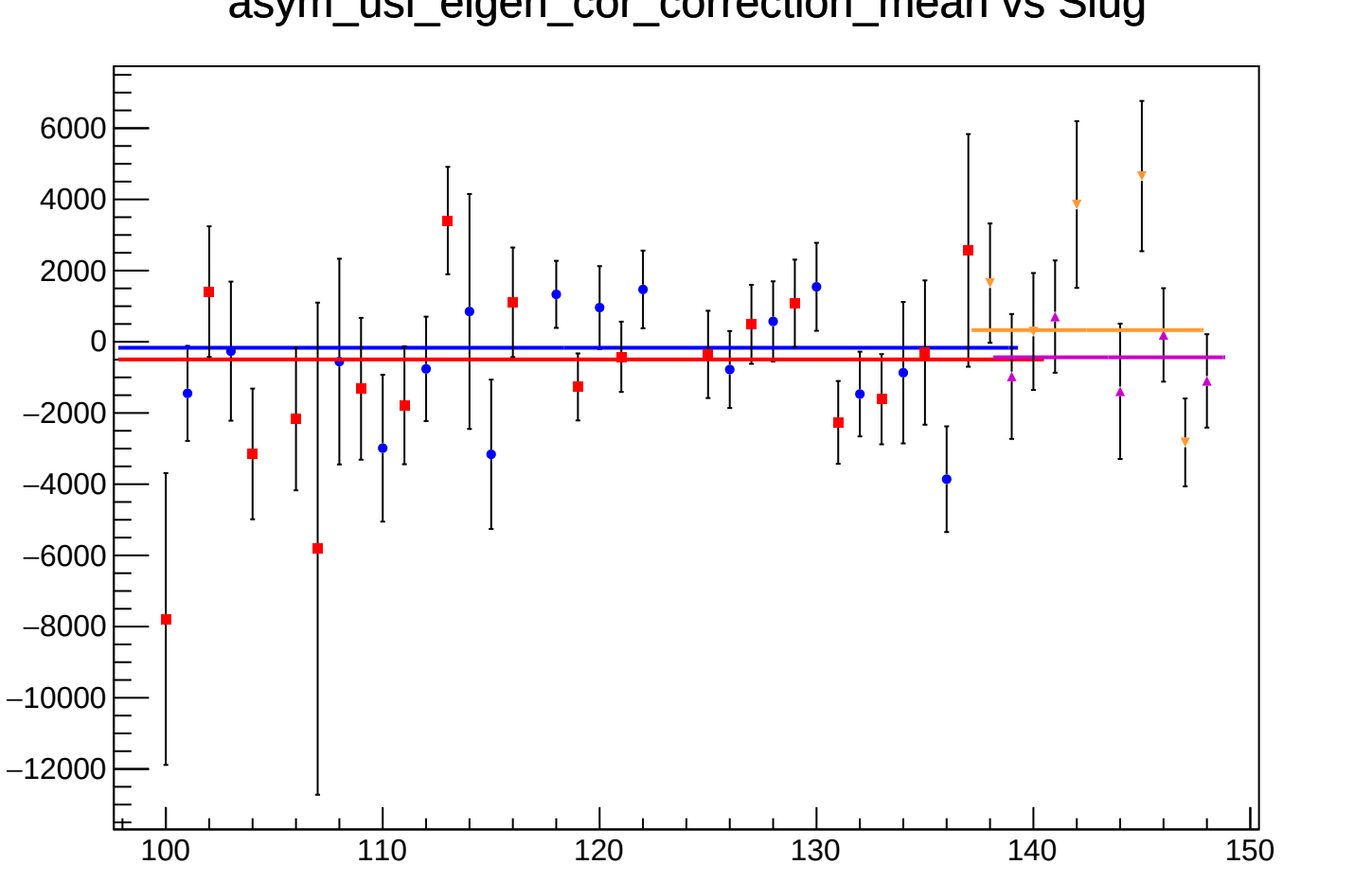
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

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

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43

- sign 1111.220+/-0.229 χ^2/NDF: 8589.4/22



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

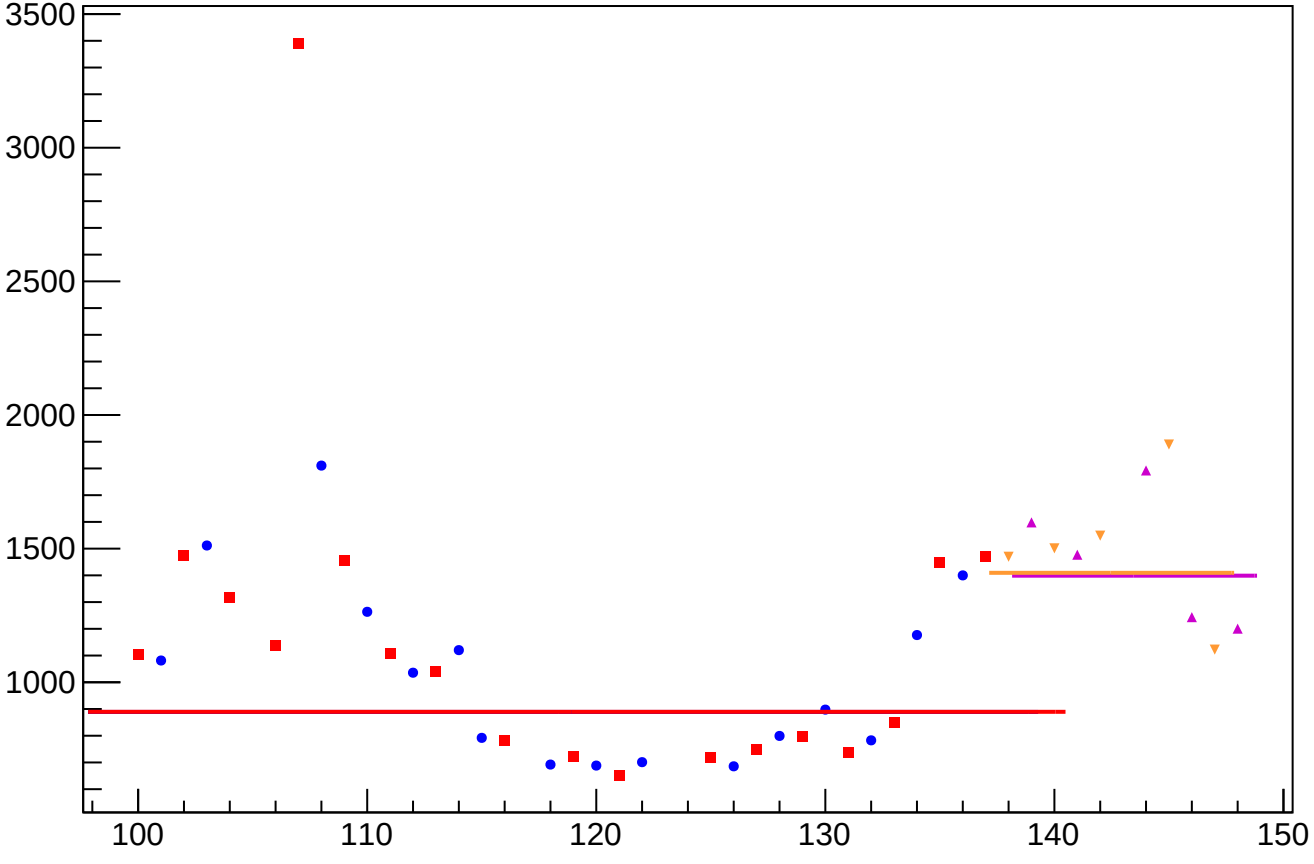
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

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

All: -285.582+/-219.610 χ^2/NDF: 60.5/43

- sign -483.001+/-307.665 χ^2/NDF: 24.7/22

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

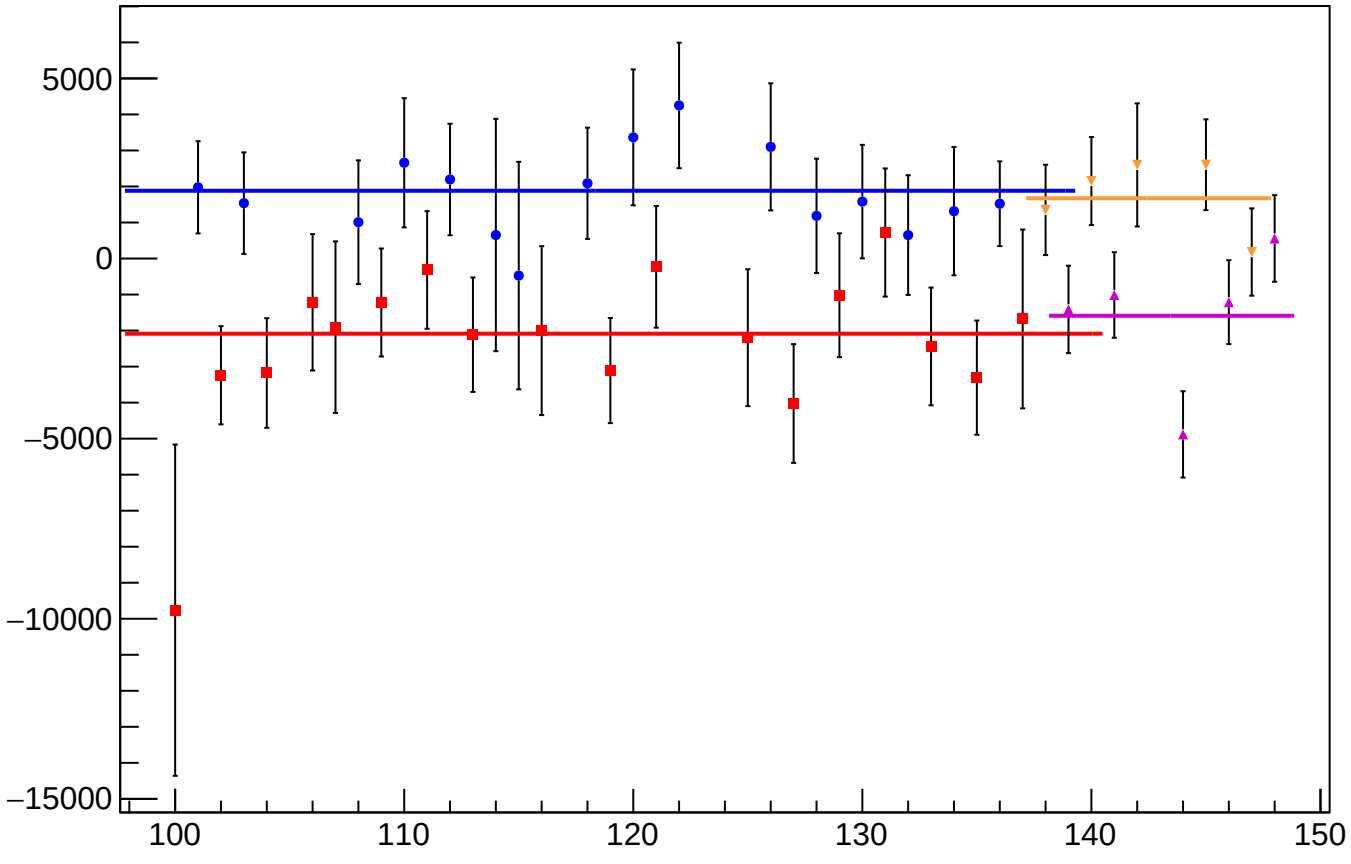
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

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

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

- sign 993.879+/-0.218 χ^2/NDF: 2429115.7/22



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

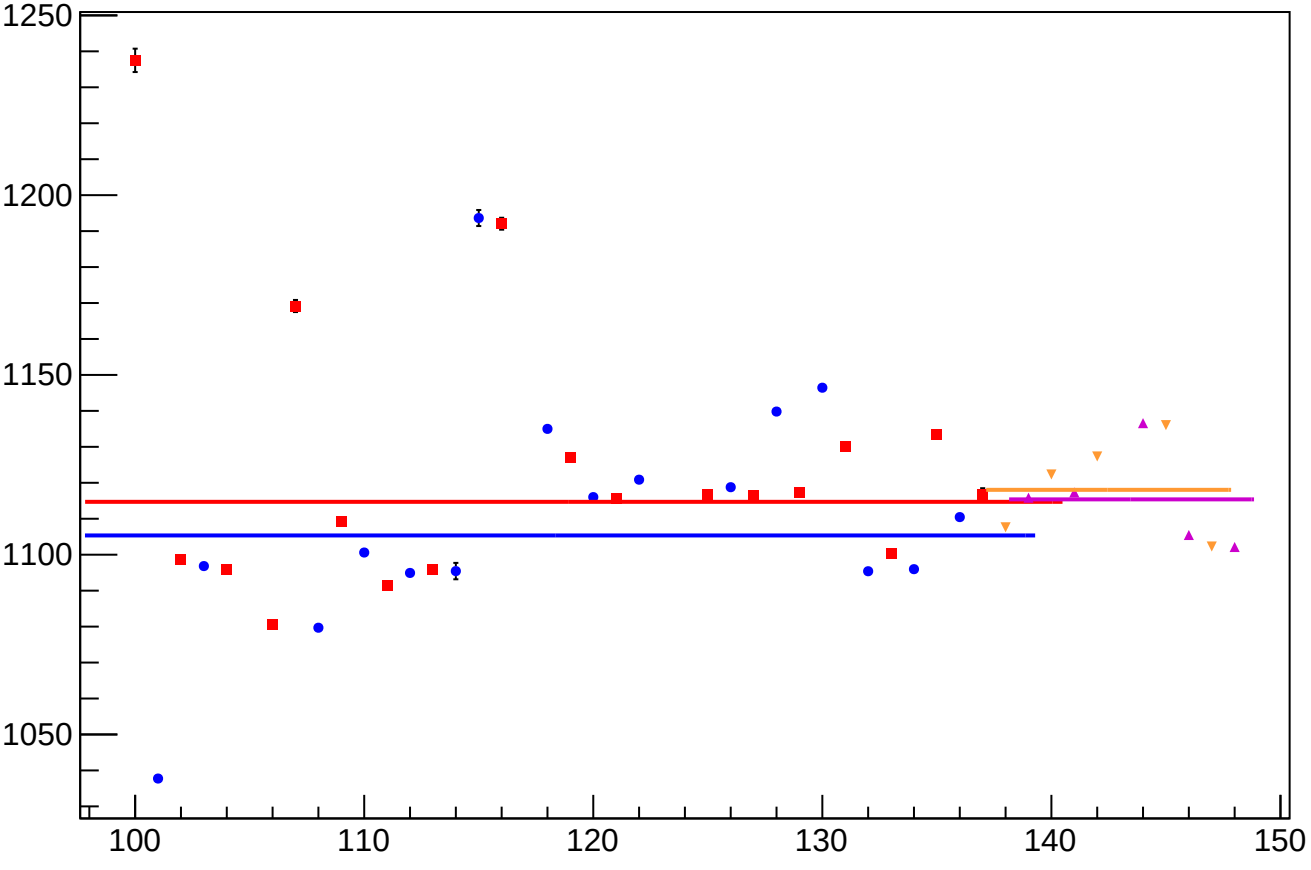
Left In: -1588.926+/-533.324 χ^2/NDF:11.1/4

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

All: -100.776+/-233.575 χ^2/NDF: 95.0/43

- sign -1901.467+/-325.440 χ^2/NDF: 24.0/22

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

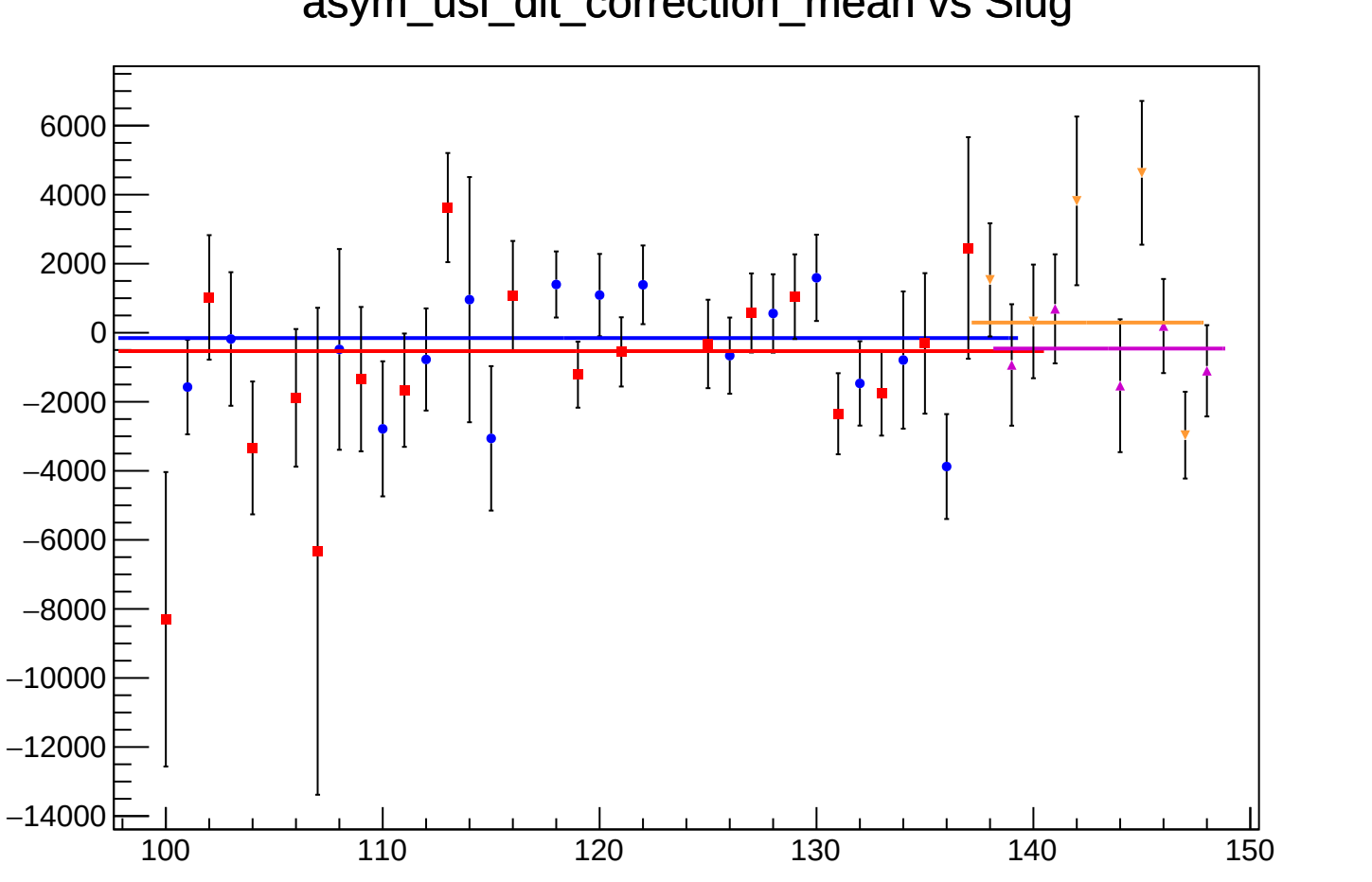
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1115.387+/-0.377 χ^2/NDF:1019.9/4

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

All: 1112.350+/-0.165 χ^2/NDF: 21551.4/43

- sign 1114.959+/-0.230 χ^2/NDF: 8352.2/22



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

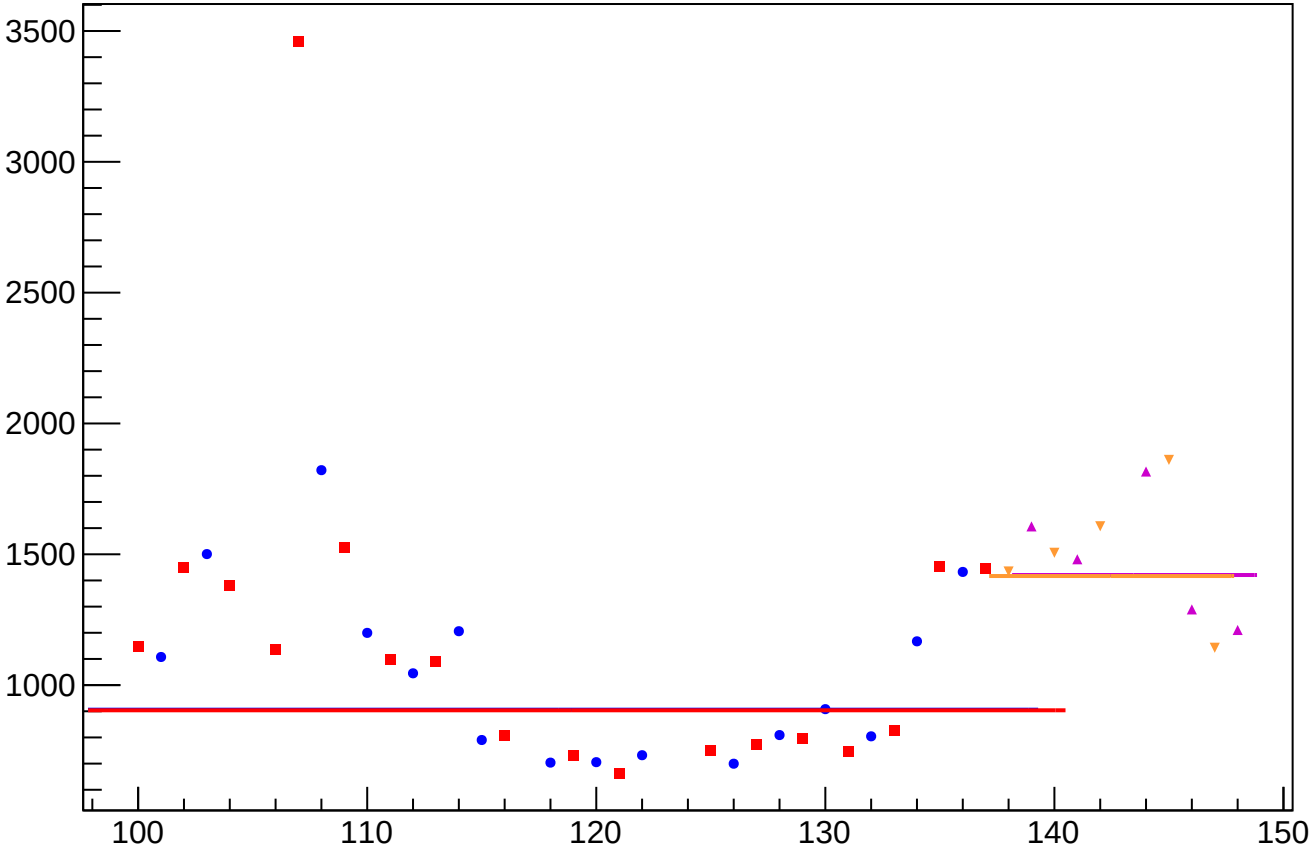
Left In: -458.549+/-689.303 χ^2/NDF:1.4/4

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

All: -299.394+/-222.918 χ^2/NDF: 60.1/43

- sign -517.040+/-312.363 χ^2/NDF: 24.6/22

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

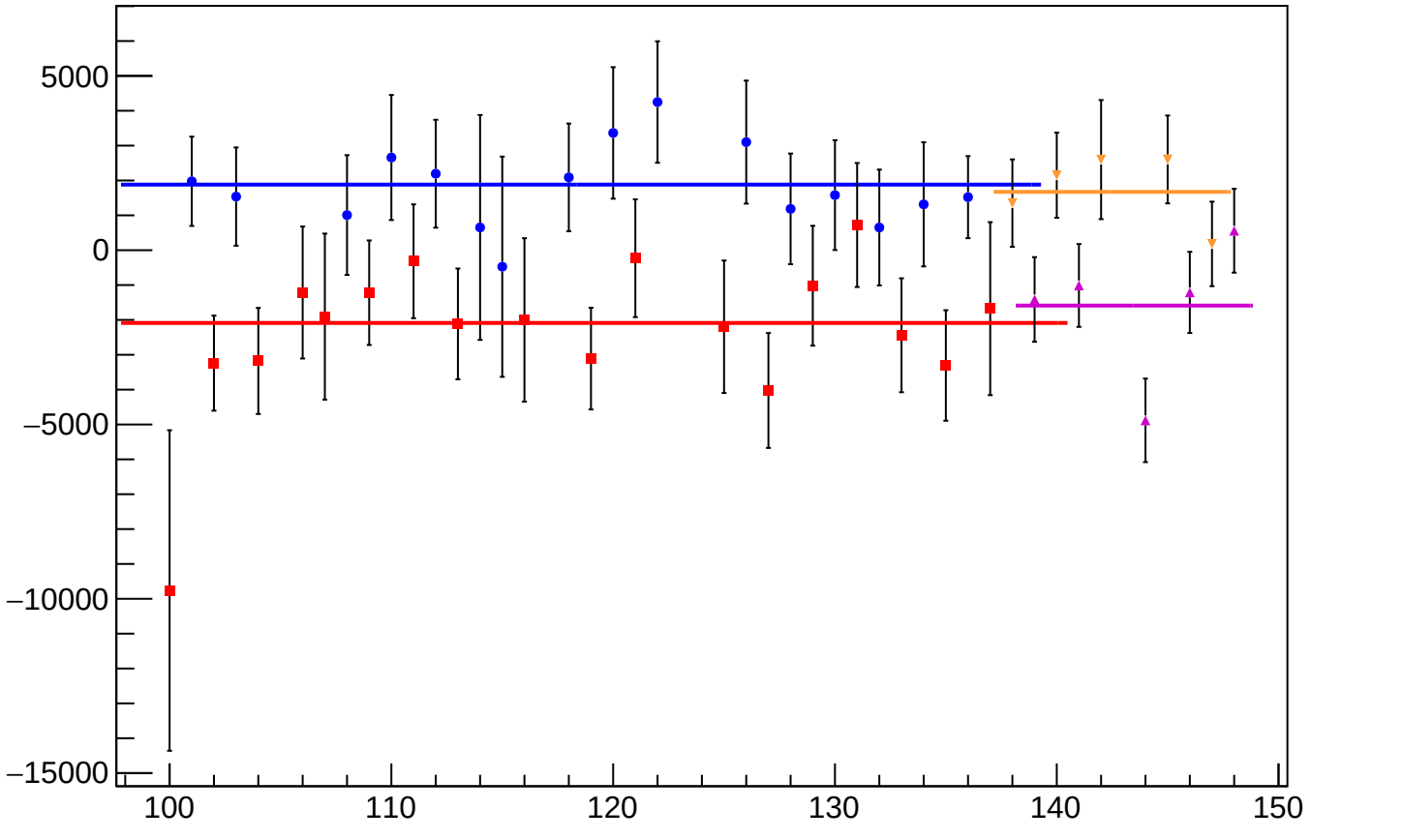
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1420.811+/-0.487 χ^2/NDF:178819.8/4

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

All: 1003.953+/-0.158 χ^2/NDF: 4457455.6/43

- sign 1009.932+/-0.221 χ^2/NDF: 2413057.3/22



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

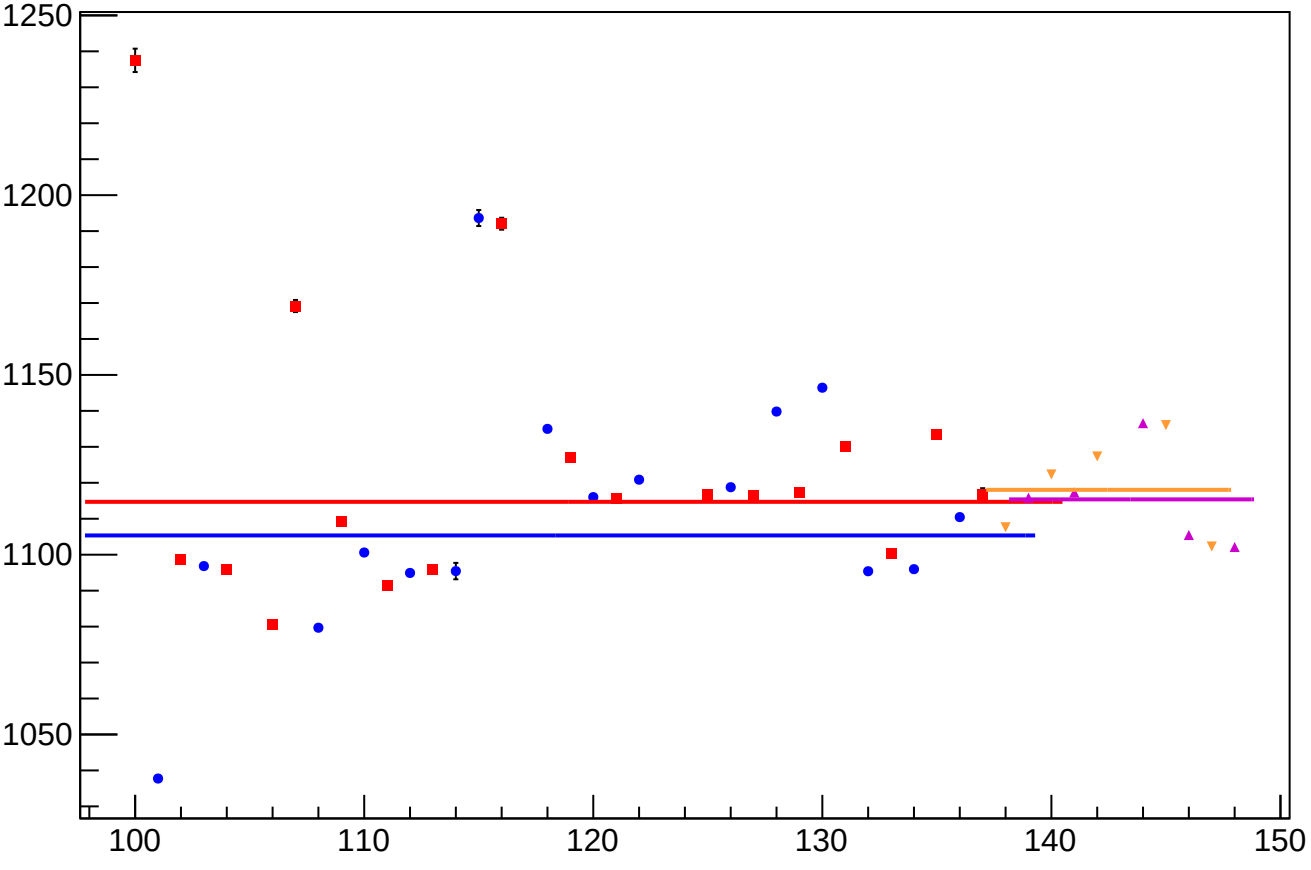
Left In: -1588.928+/-533.324 χ^2/NDF:11.1/4

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

All: -100.776+/-233.575 χ^2/NDF: 95.0/43

- sign -1901.466+/-325.440 χ^2/NDF: 24.0/22

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

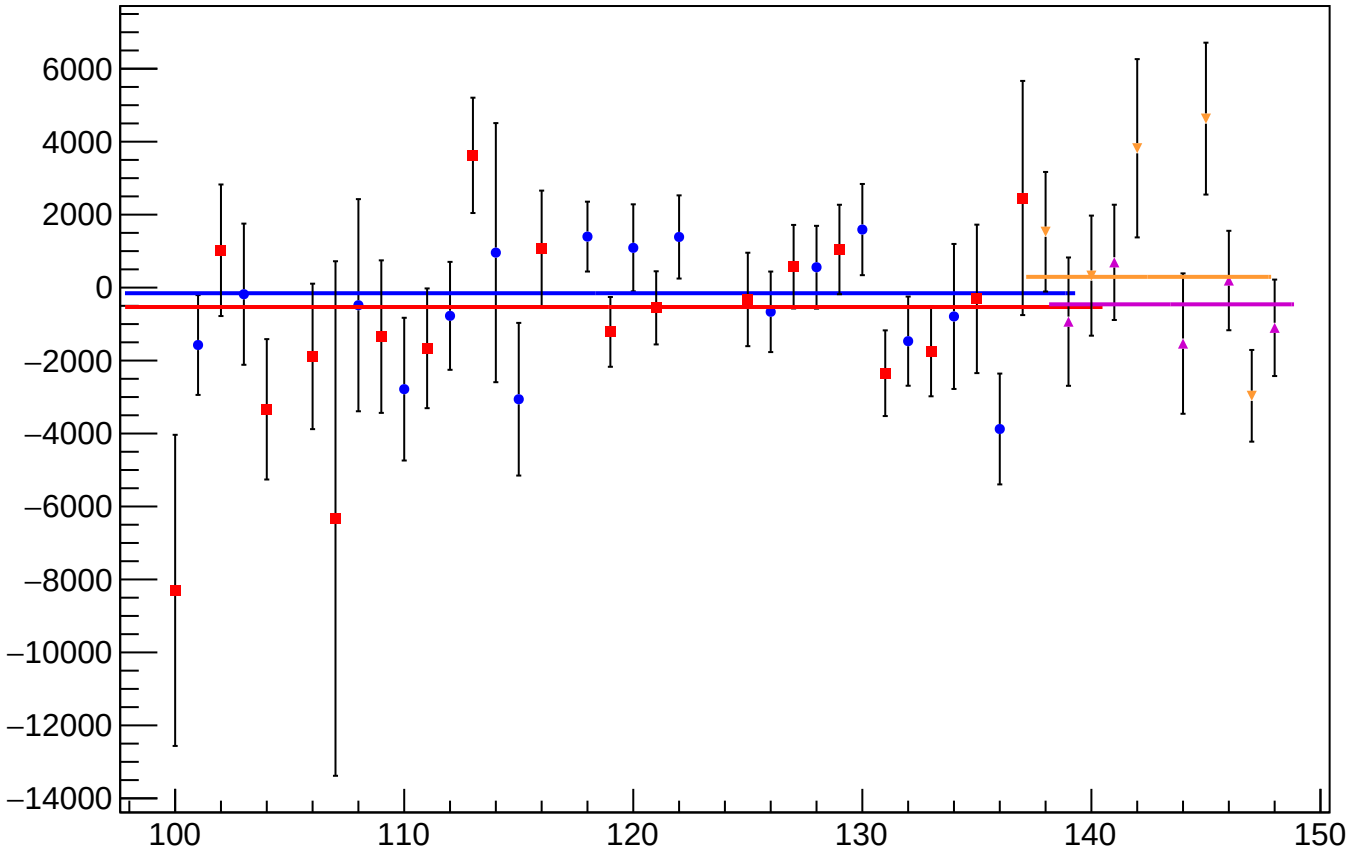
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1115.387+/-0.377 χ^2/NDF:1019.9/4

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

All: 1112.350+/-0.165 χ^2/NDF: 21551.3/43

- sign 1114.959+/-0.230 χ^2/NDF: 8352.1/22



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

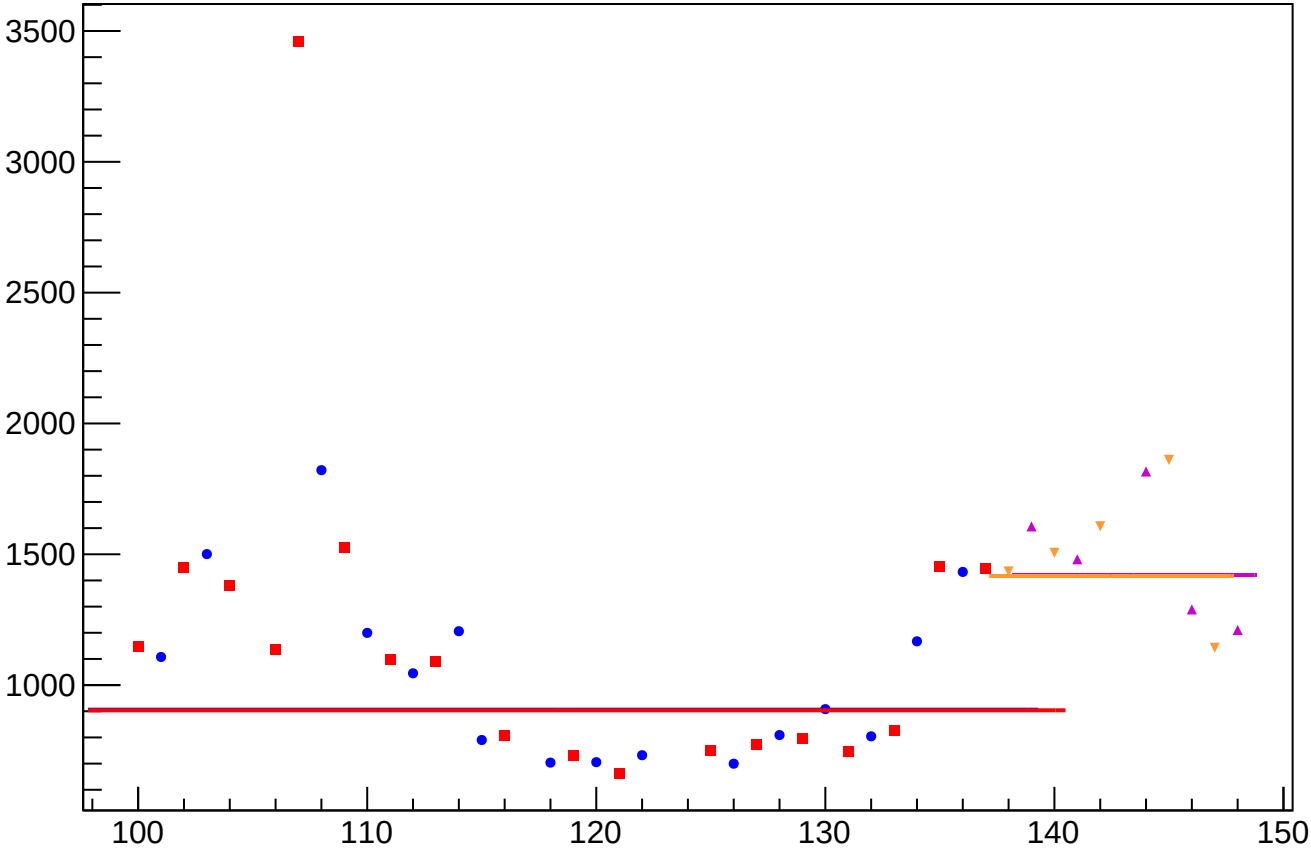
Left In: -458.550+/-689.304 χ^2/NDF:1.4/4

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

All: -299.394+/-222.918 χ^2/NDF: 60.1/43

- sign -517.040+/-312.363 χ^2/NDF: 24.6/22

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

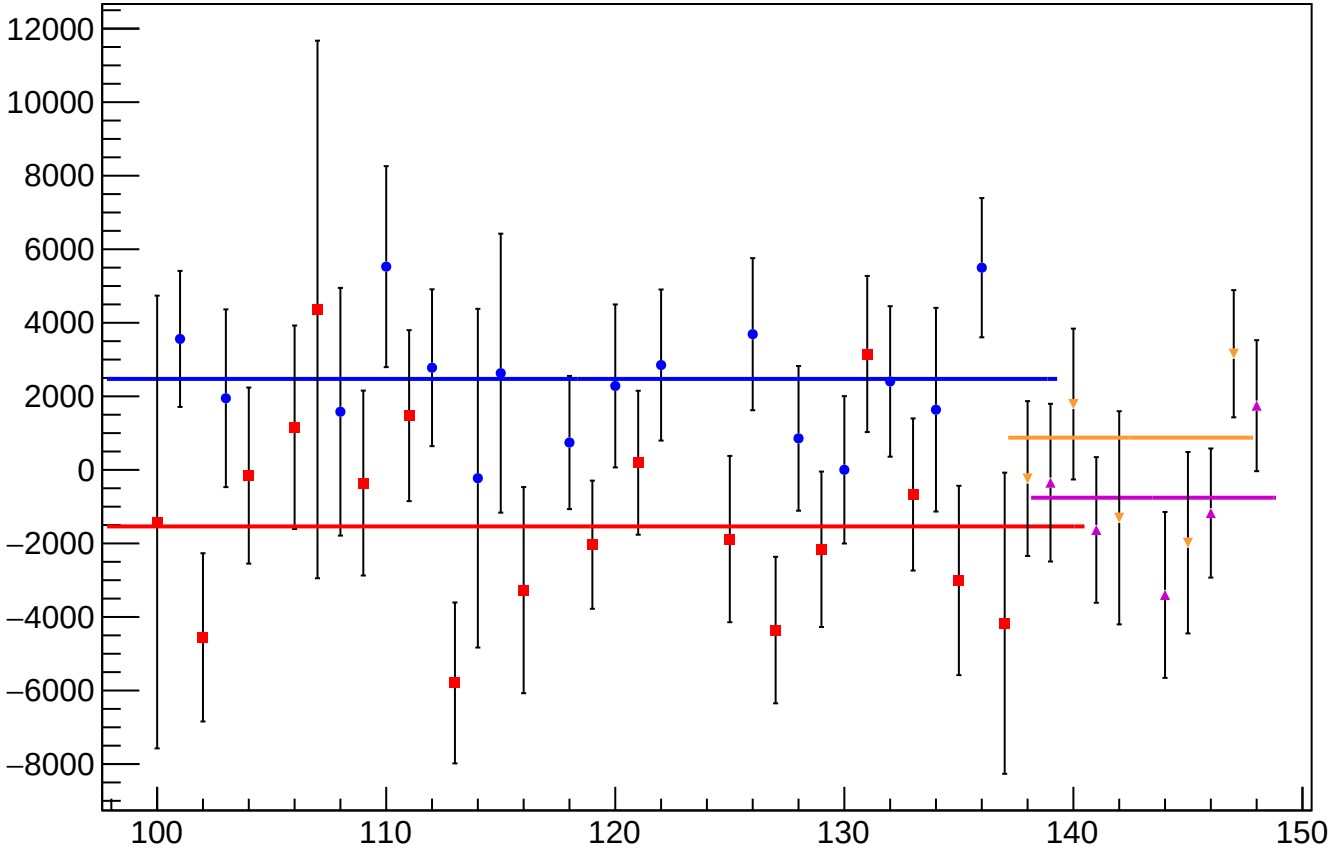
Left In: 1420.813+/-0.487 χ^2/NDF:178819.0/4

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

All: 1003.952+/-0.158 χ^2/NDF: 4457486.9/43

- sign 1009.930+/-0.221 χ^2/NDF: 2413073.5/22

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

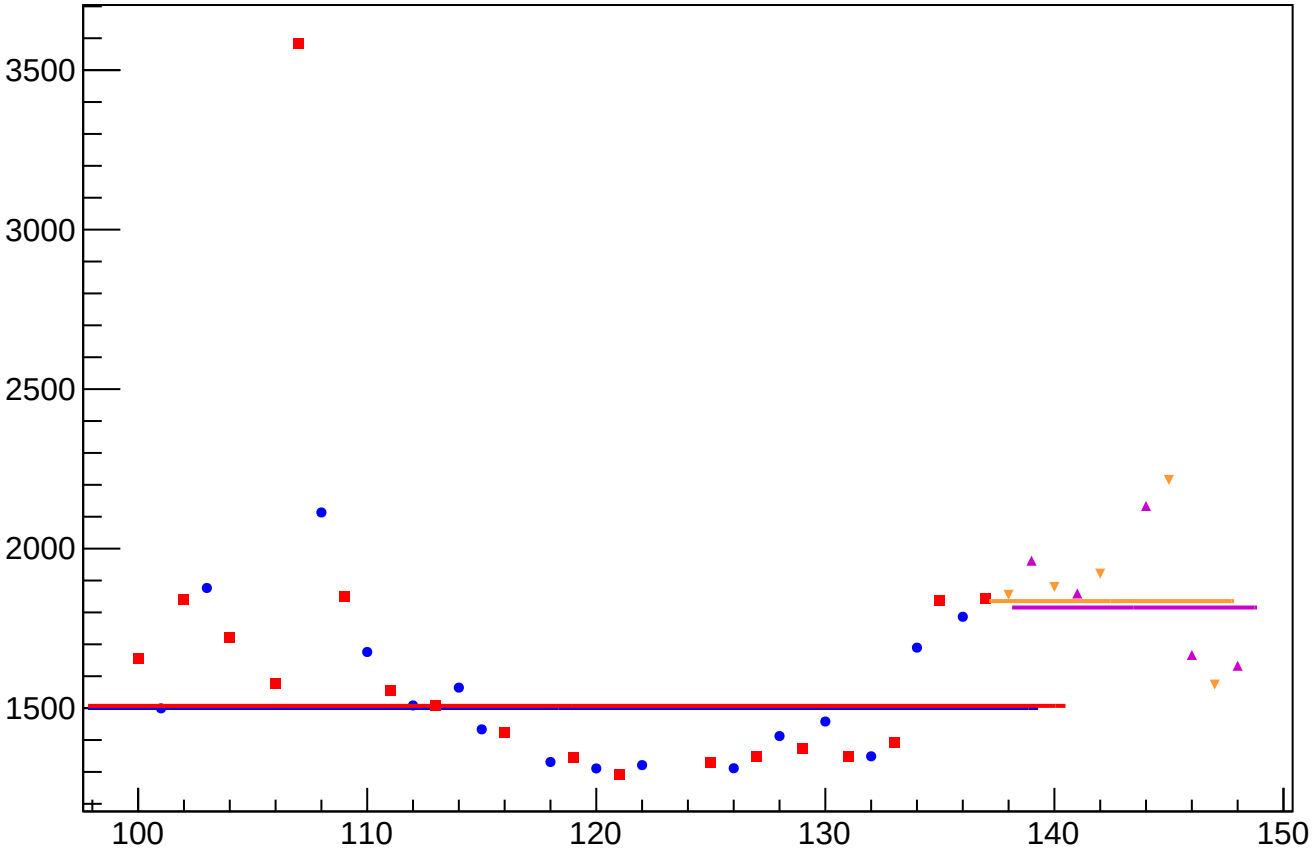
Left In: -756.903+/-874.269 χ^2/NDF:3.6/4

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

All: 336.636+/-339.137 χ^2/NDF: 61.9/43

- sign -1308.316+/-473.675 χ^2/NDF: 22.7/22

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

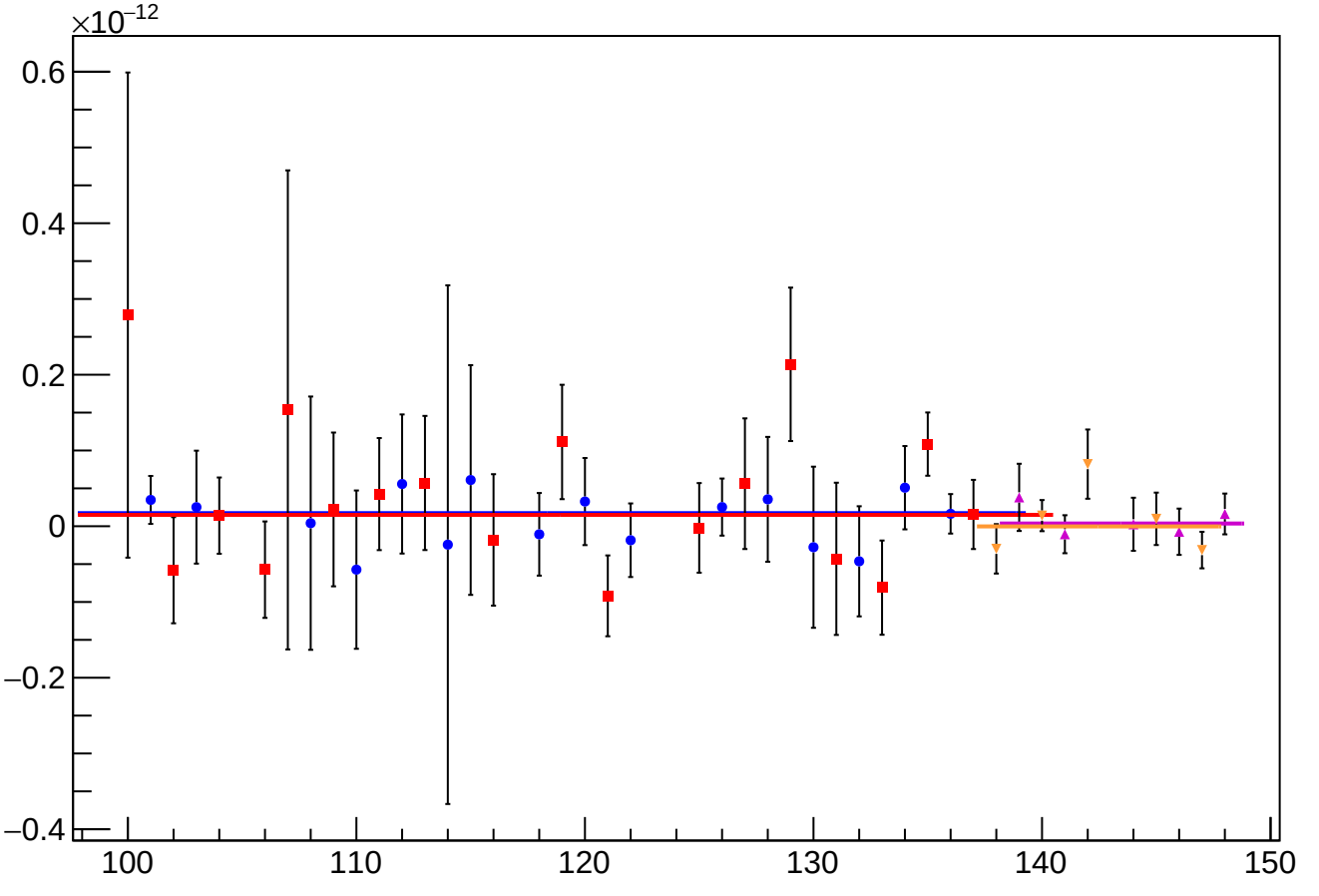
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1815.352+/-0.618 χ^2/NDF:85544.2/4

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

All: 1591.860+/-0.240 χ^2/NDF: 1198768.3/43

- sign 1597.583+/-0.335 χ^2/NDF: 662419.9/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/4

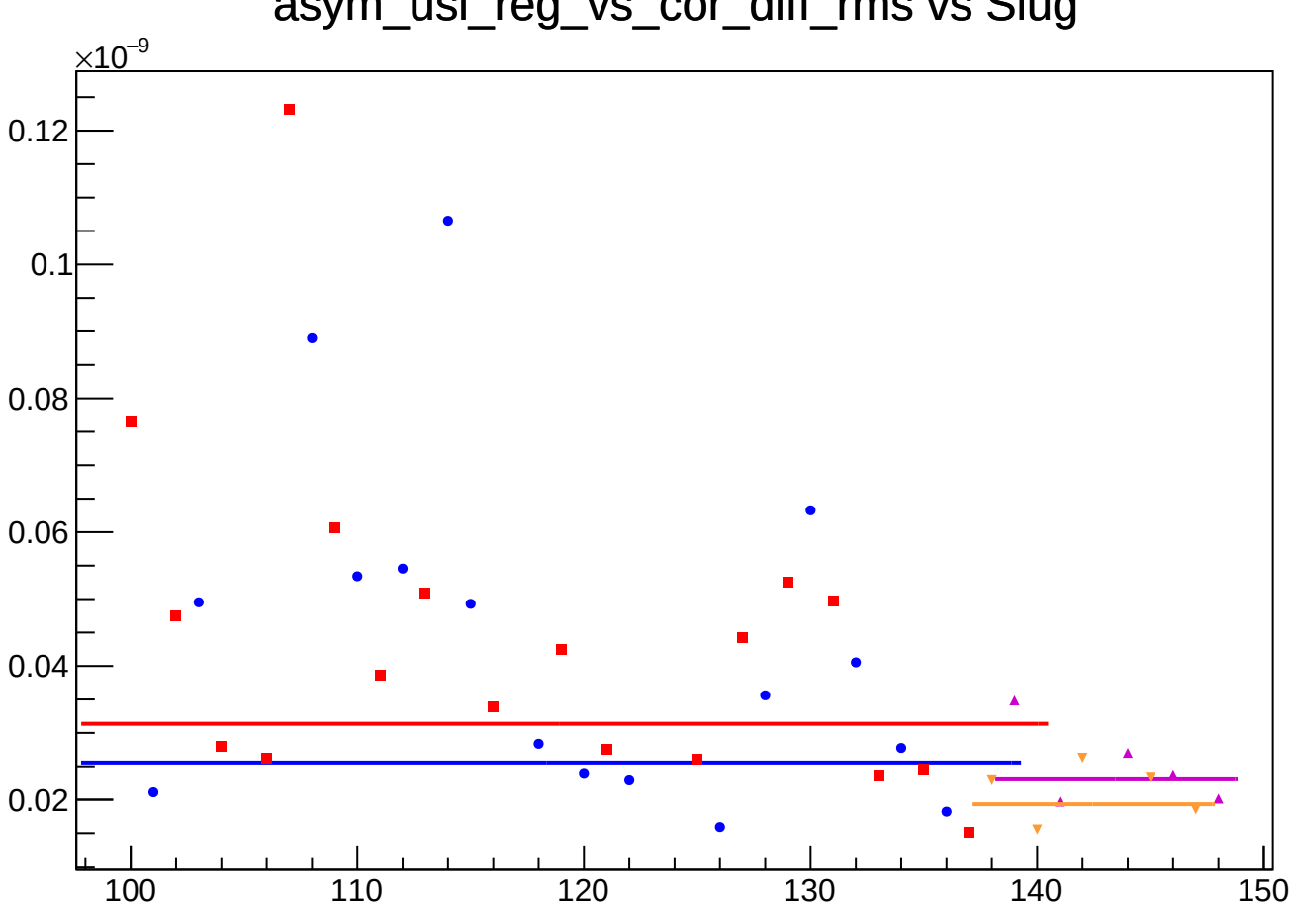
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 10.6/20

All: 0.000+/-0.000 χ^2/NDF: 33.4/43

- sign 0.000+/-0.000 χ^2/NDF: 22.9/22



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

Left Out: 0.000+/-0.000 χ^2/NDF:170213.8/4

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

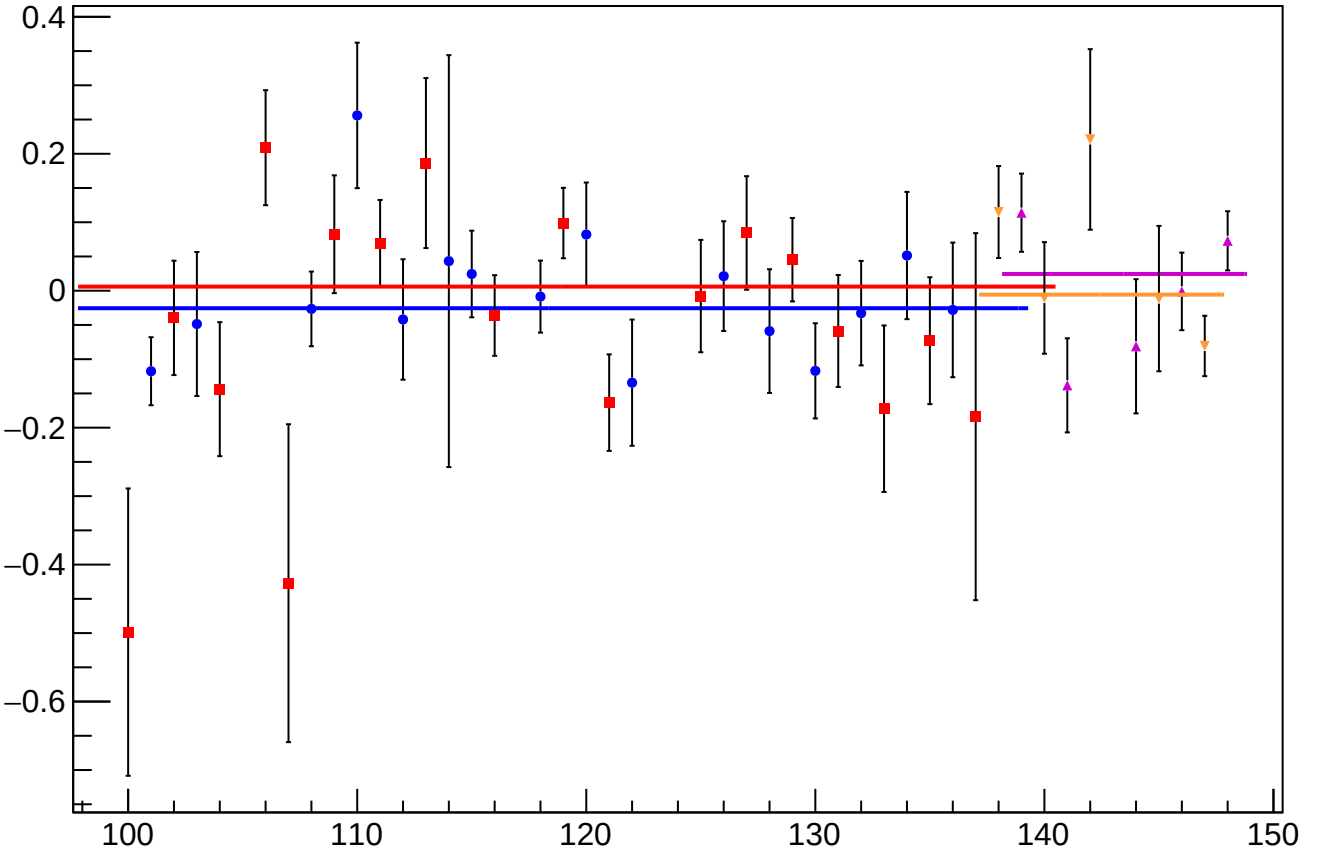
Left In: 0.000+/-0.000 χ^2/NDF:226878.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2106835.6/20

All: 0.000+/-0.000 χ^2/NDF: 4062125.4/43

- sign 0.000+/-0.000 χ^2/NDF: 1754699.2/22

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

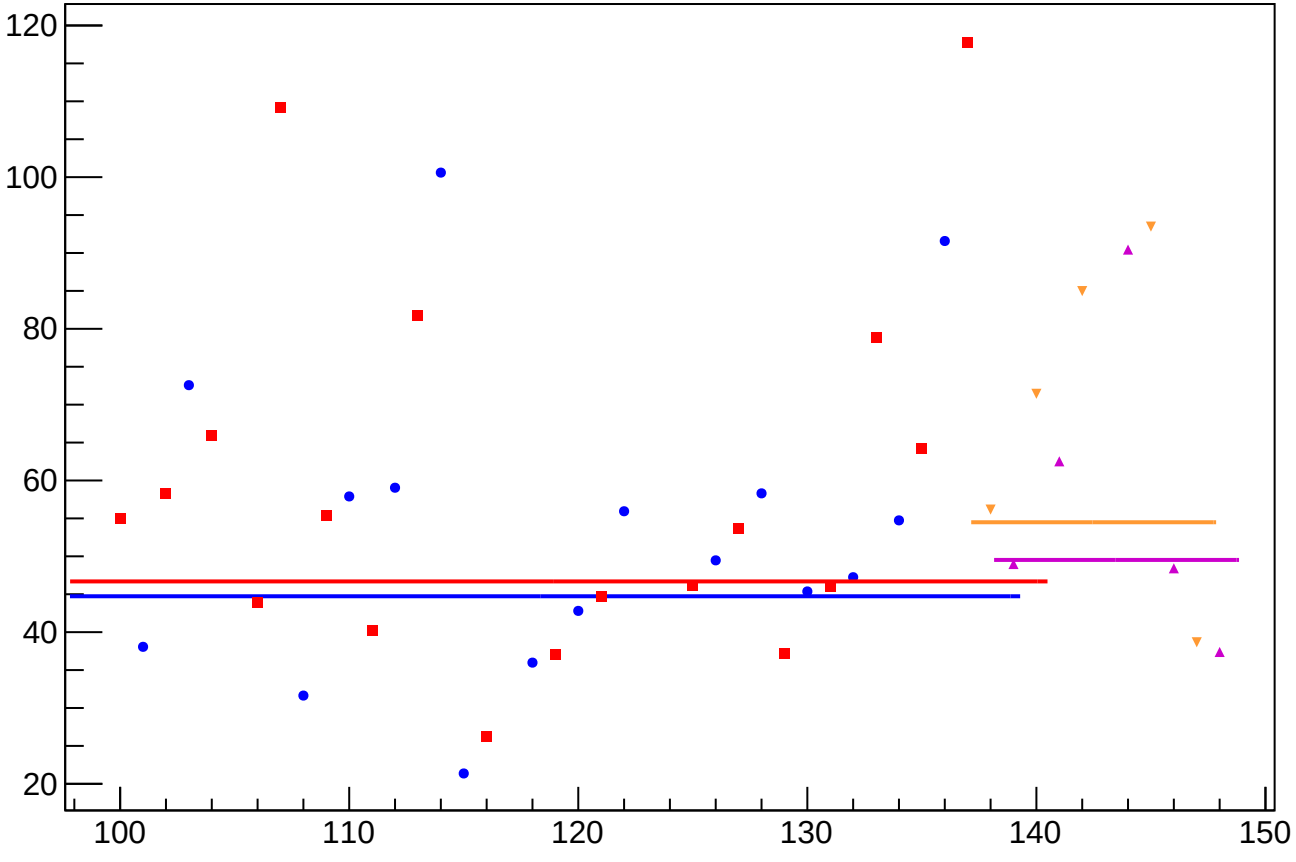
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

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

All: -0.003+/-0.011 χ^2/NDF: 76.7/43

- sign 0.013+/-0.016 χ^2/NDF: 47.5/22

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

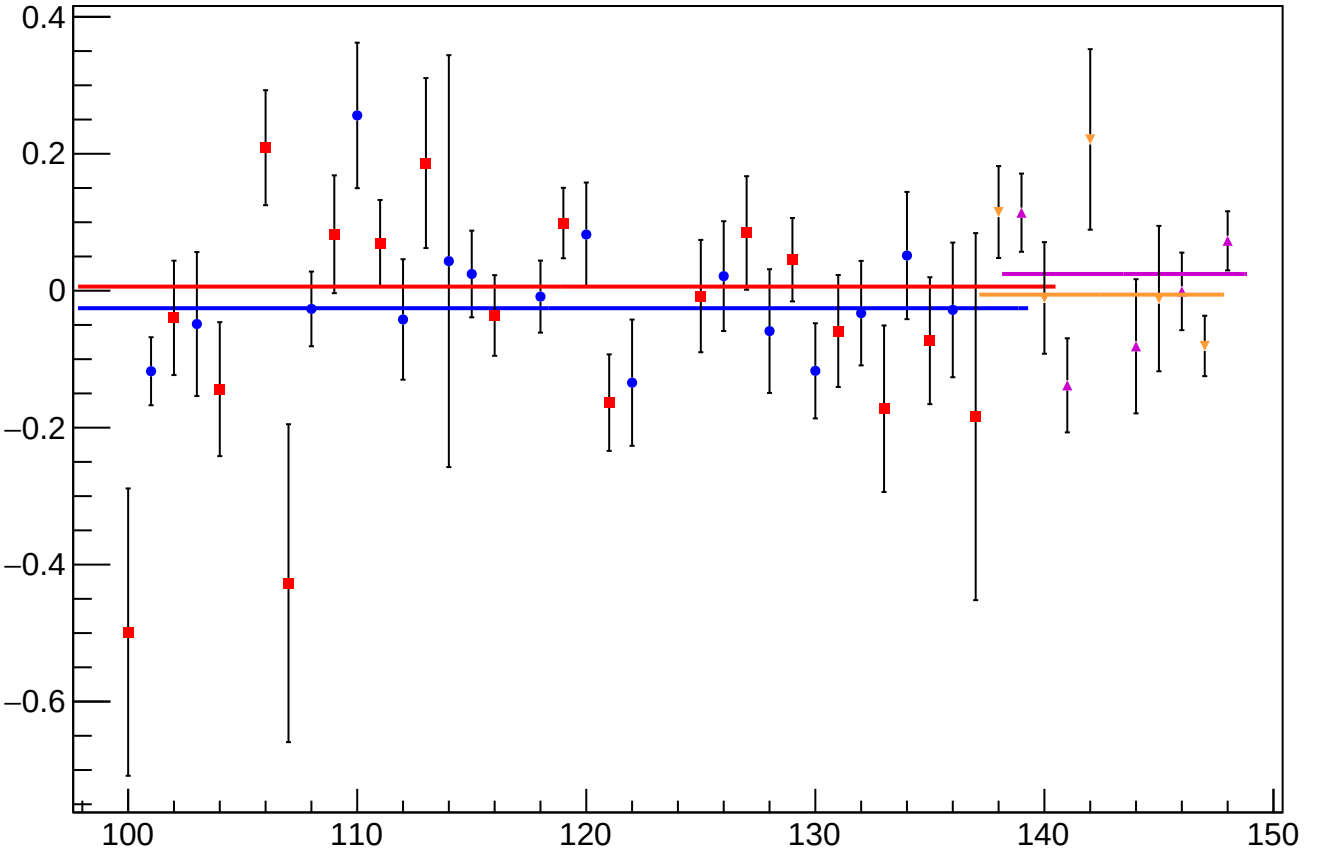
Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

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

All: 47.524+/-0.008 χ^2/NDF: 3991076.3/43

- sign 47.700+/-0.011 χ^2/NDF: 1789896.4/22

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

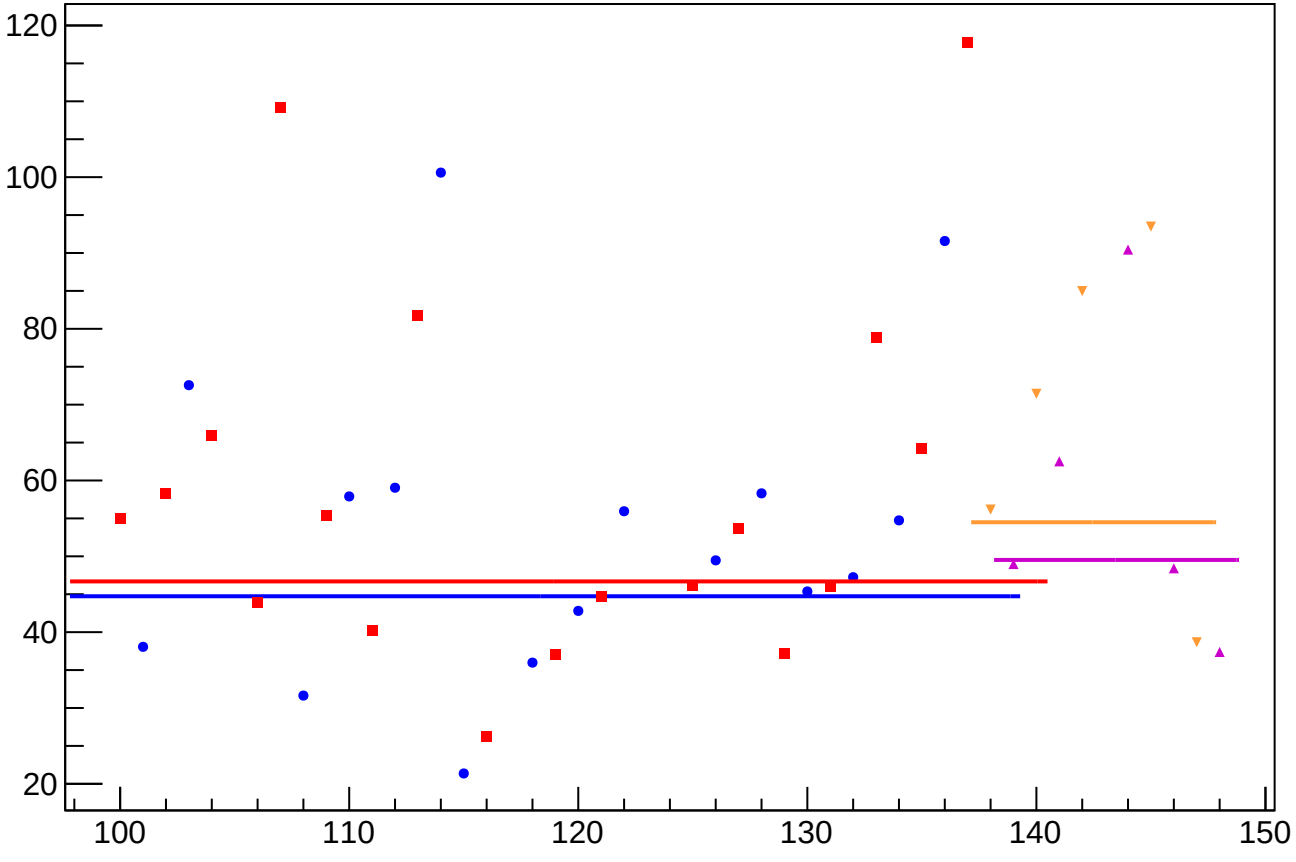
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

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

All: -0.003+/-0.011 χ^2/NDF: 76.7/43

- sign 0.013+/-0.016 χ^2/NDF: 47.5/22

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

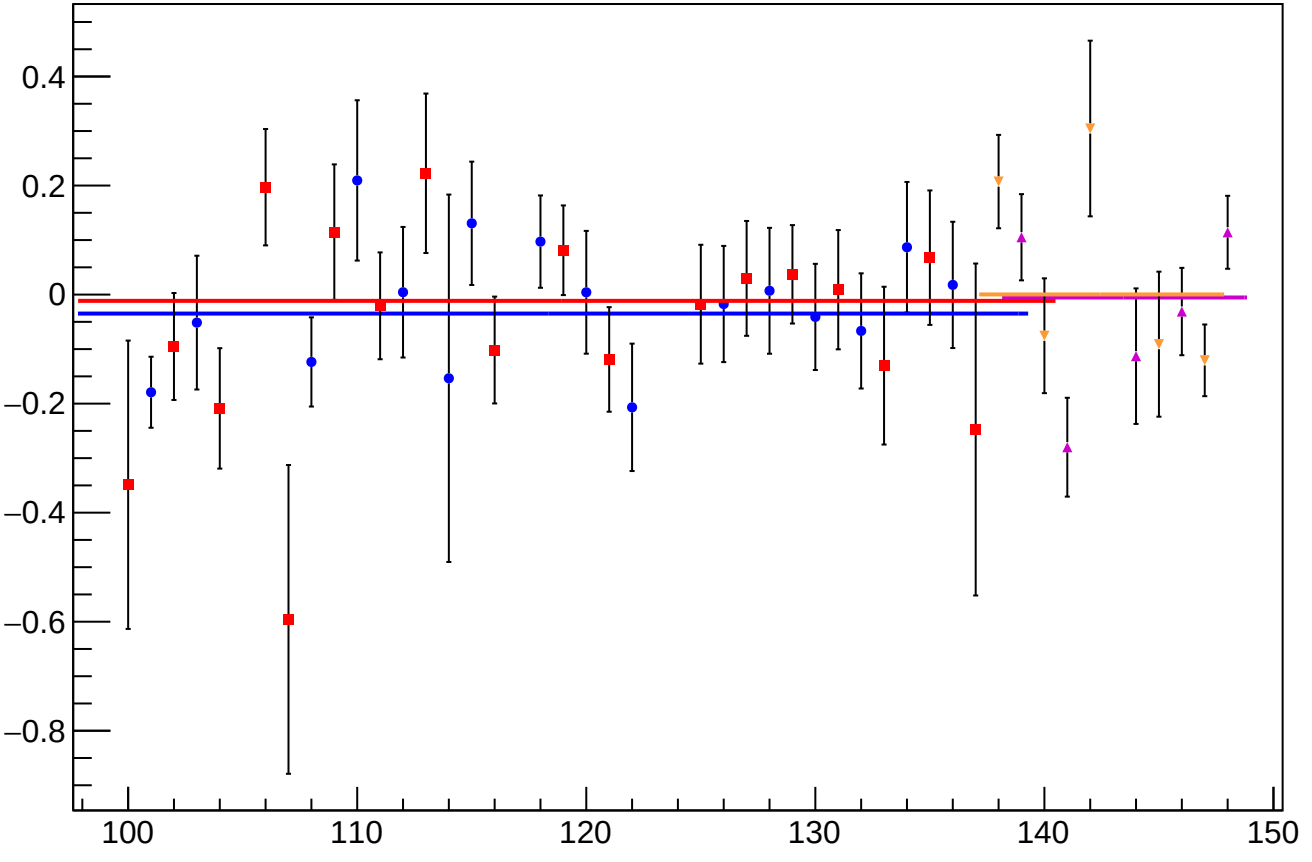
Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

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

All: 47.524+/-0.008 χ^2/NDF: 3991076.3/43

- sign 47.700+/-0.011 χ^2/NDF: 1789896.4/22

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

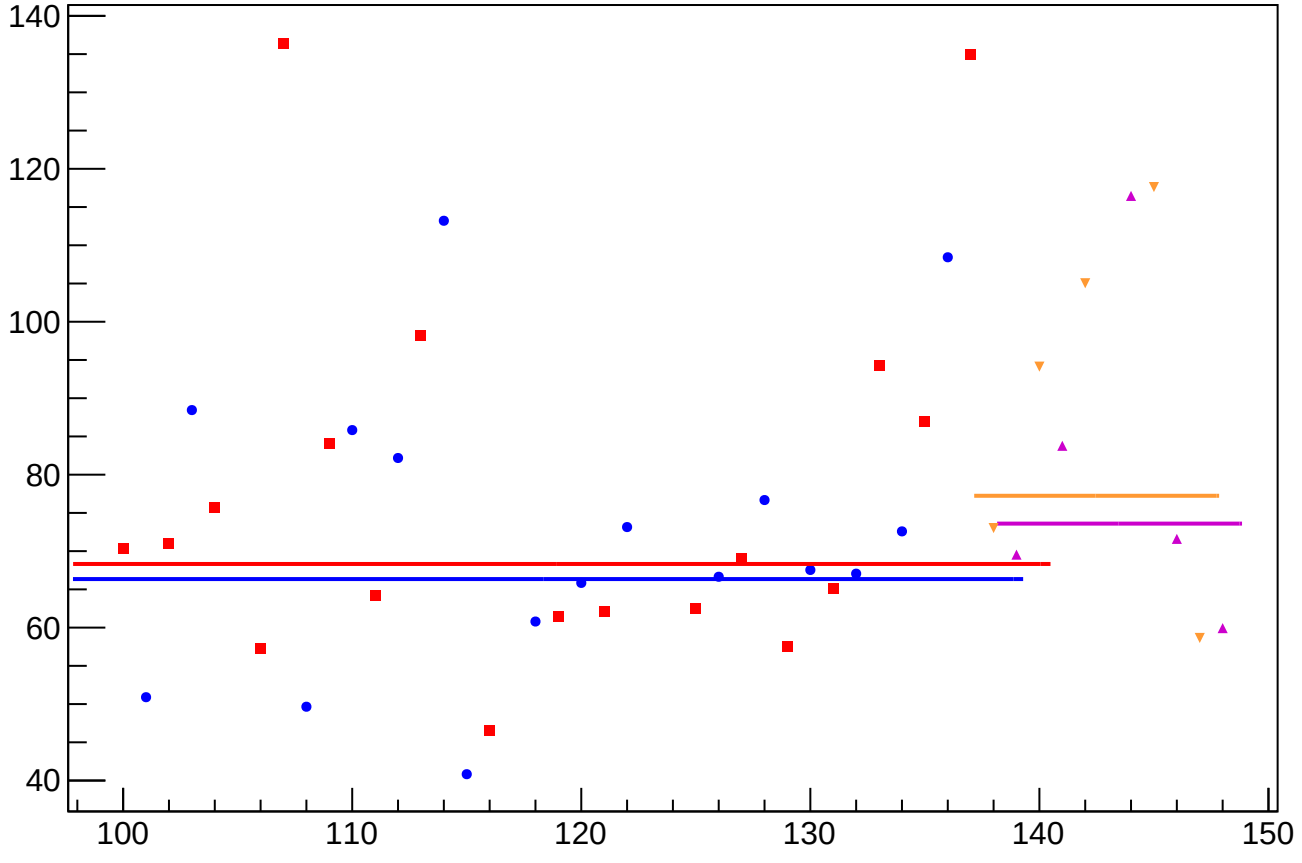
Left In: -0.005+/-0.037 χ^2/NDF:15.2/4

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

All: -0.017+/-0.016 χ^2/NDF: 69.9/43

- sign -0.009+/-0.022 χ^2/NDF: 38.0/22

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

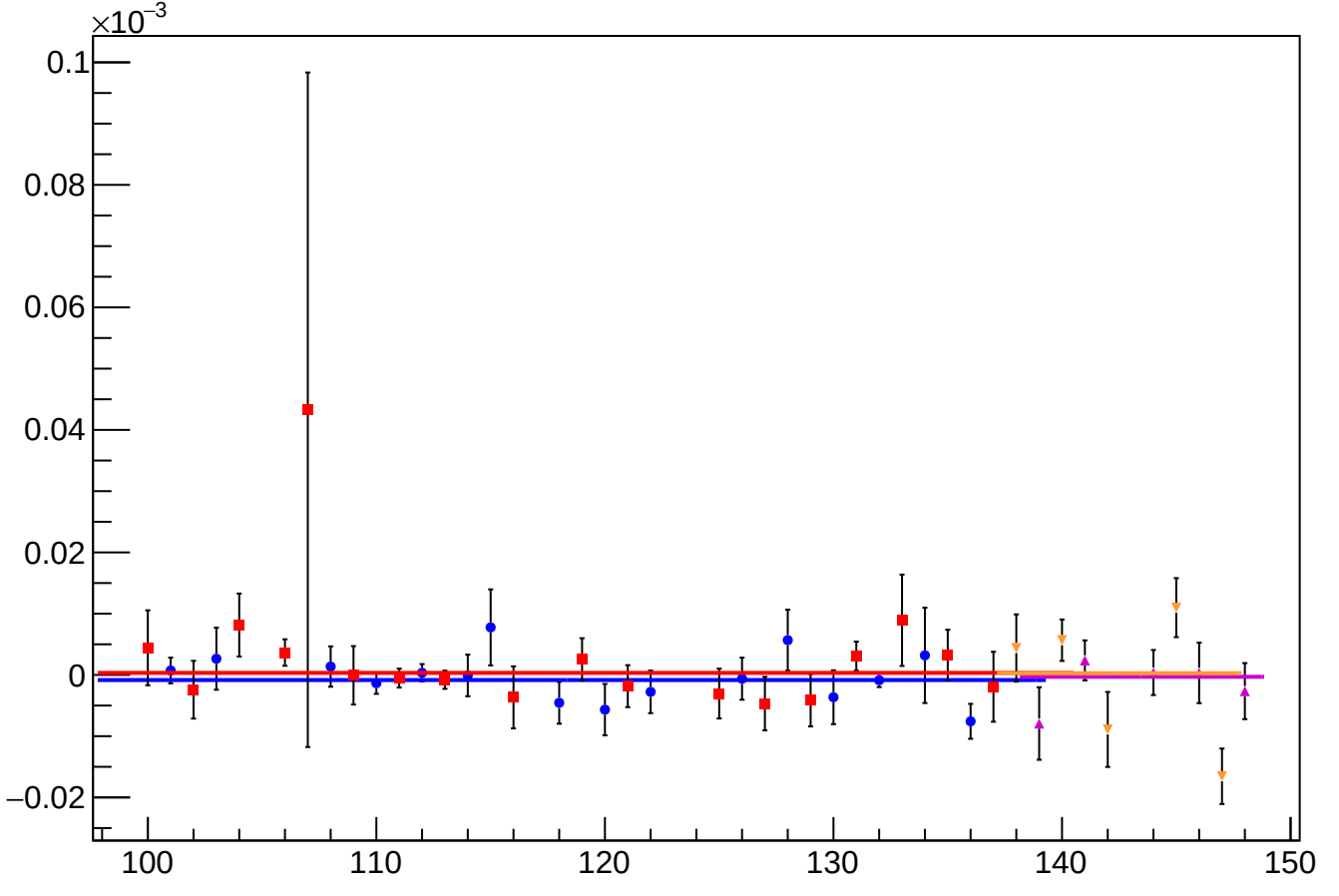
Left In: 73.600+/-0.026 χ^2/NDF:352874.9/4

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

All: 69.758+/-0.011 χ^2/NDF: 2337954.0/43

- sign 70.139+/-0.015 χ^2/NDF: 1009054.9/22

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

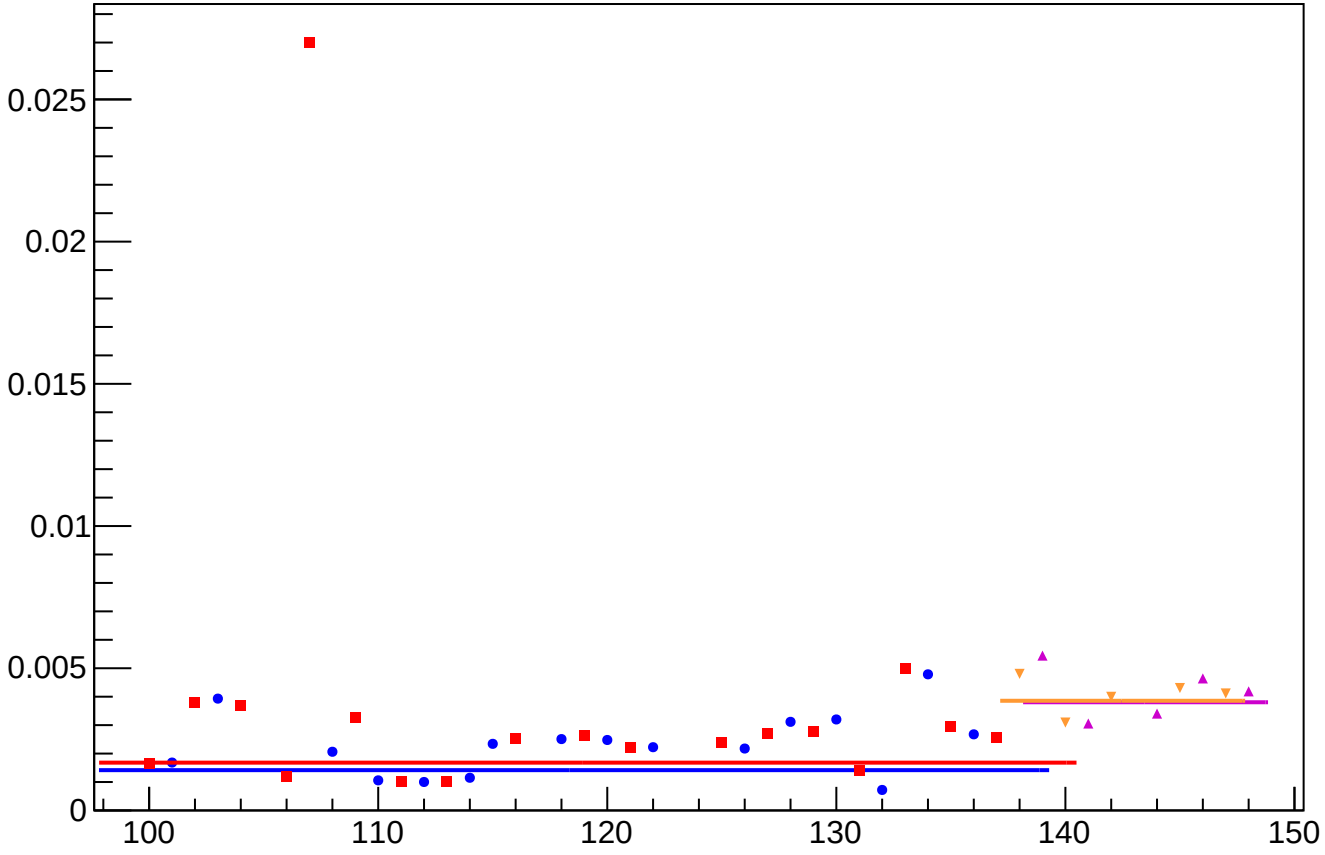
Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

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

All: -0.000+/-0.000 χ^2/NDF: 58.2/43

- sign 0.000+/-0.000 χ^2/NDF: 17.6/22

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

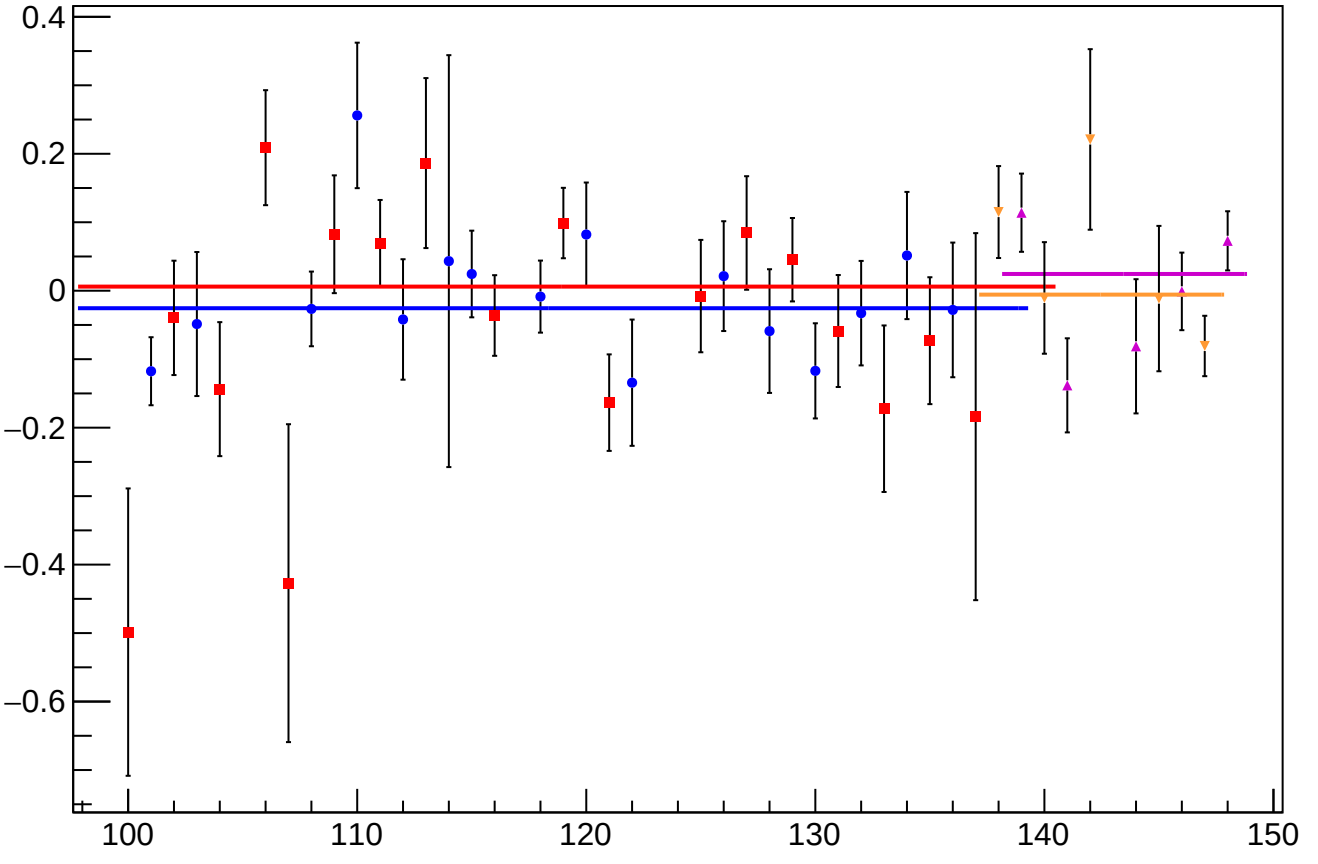
Left In: 0.004+/-0.000 χ^2/NDF:353546.2/4

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

All: 0.002+/-0.000 χ^2/NDF: 12643574.9/43

- sign 0.002+/-0.000 χ^2/NDF: 6017044.5/22

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

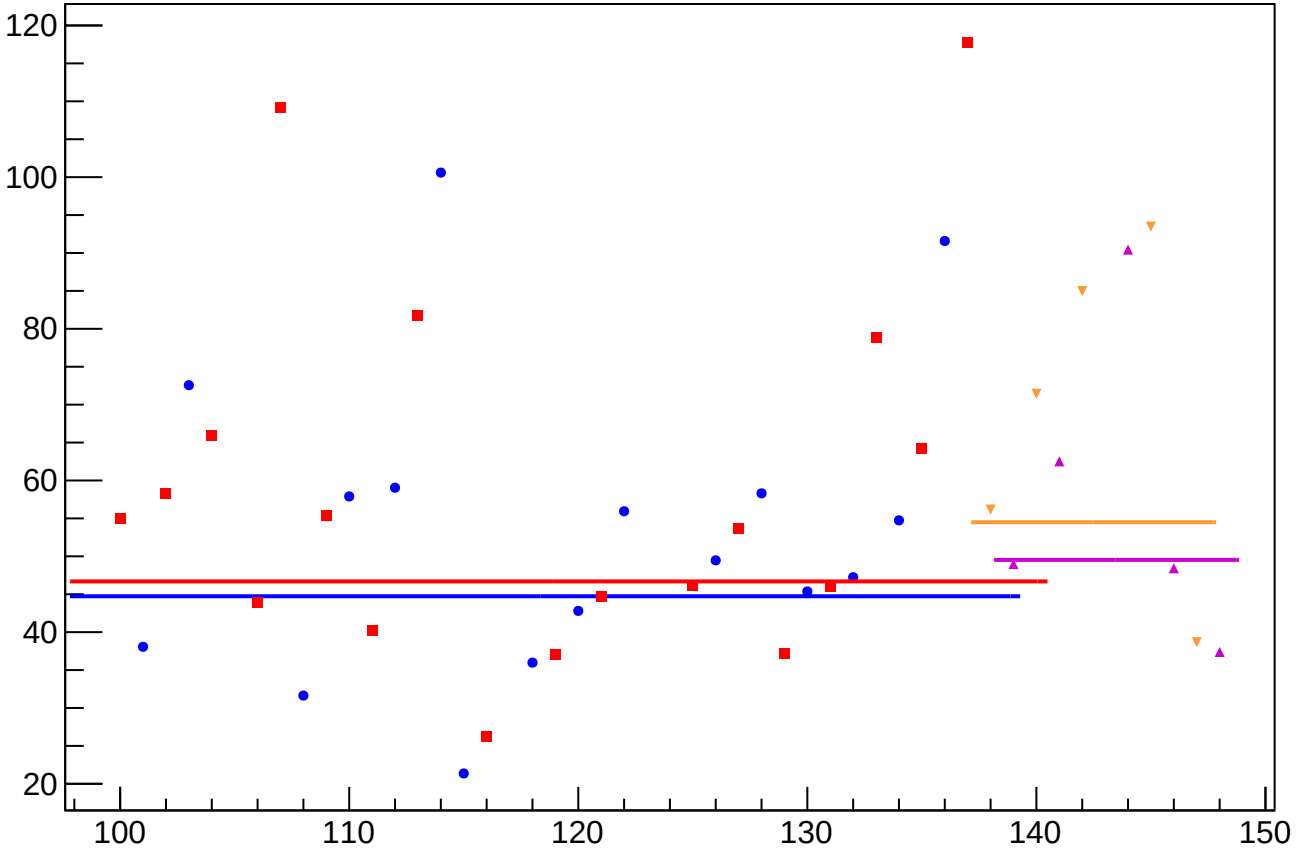
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

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

All: -0.003+/-0.011 χ^2/NDF: 76.7/43

- sign 0.013+/-0.016 χ^2/NDF: 47.5/22

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

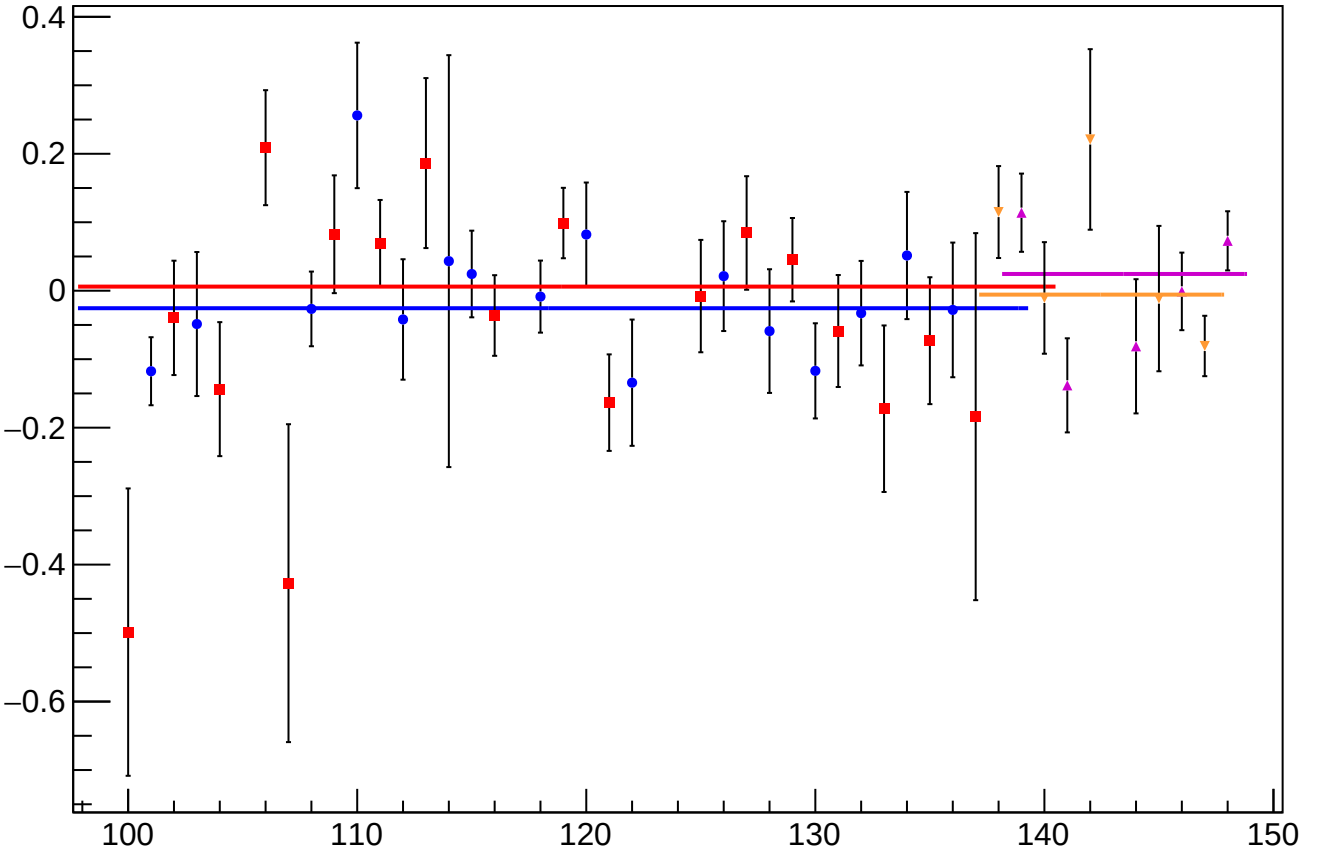
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

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

All: 47.523+/-0.008 χ^2/NDF: 3991153.3/43

- sign 47.699+/-0.011 χ^2/NDF: 1789915.4/22



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

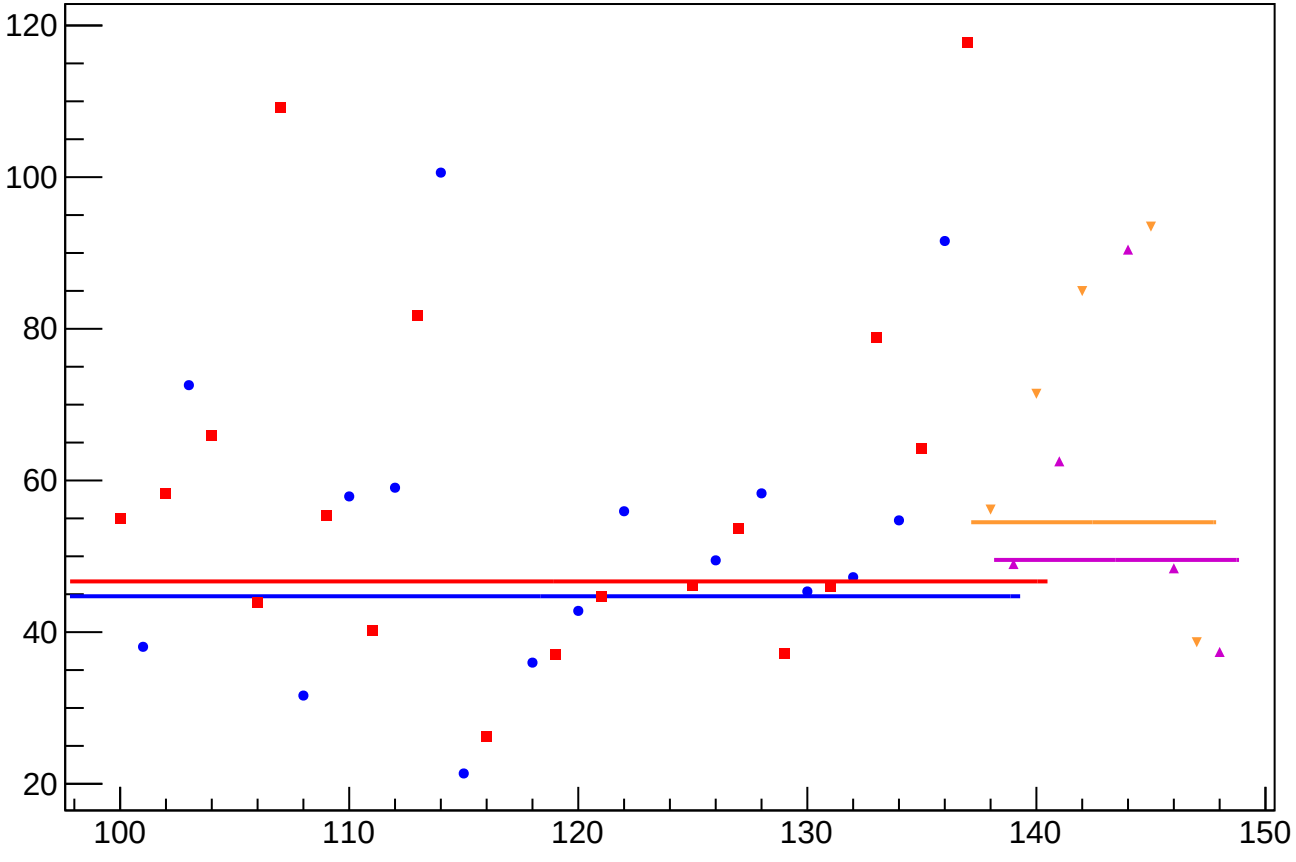
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

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

All: -0.003+/-0.011 χ^2/NDF: 76.7/43

- sign 0.013+/-0.016 χ^2/NDF: 47.5/22

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

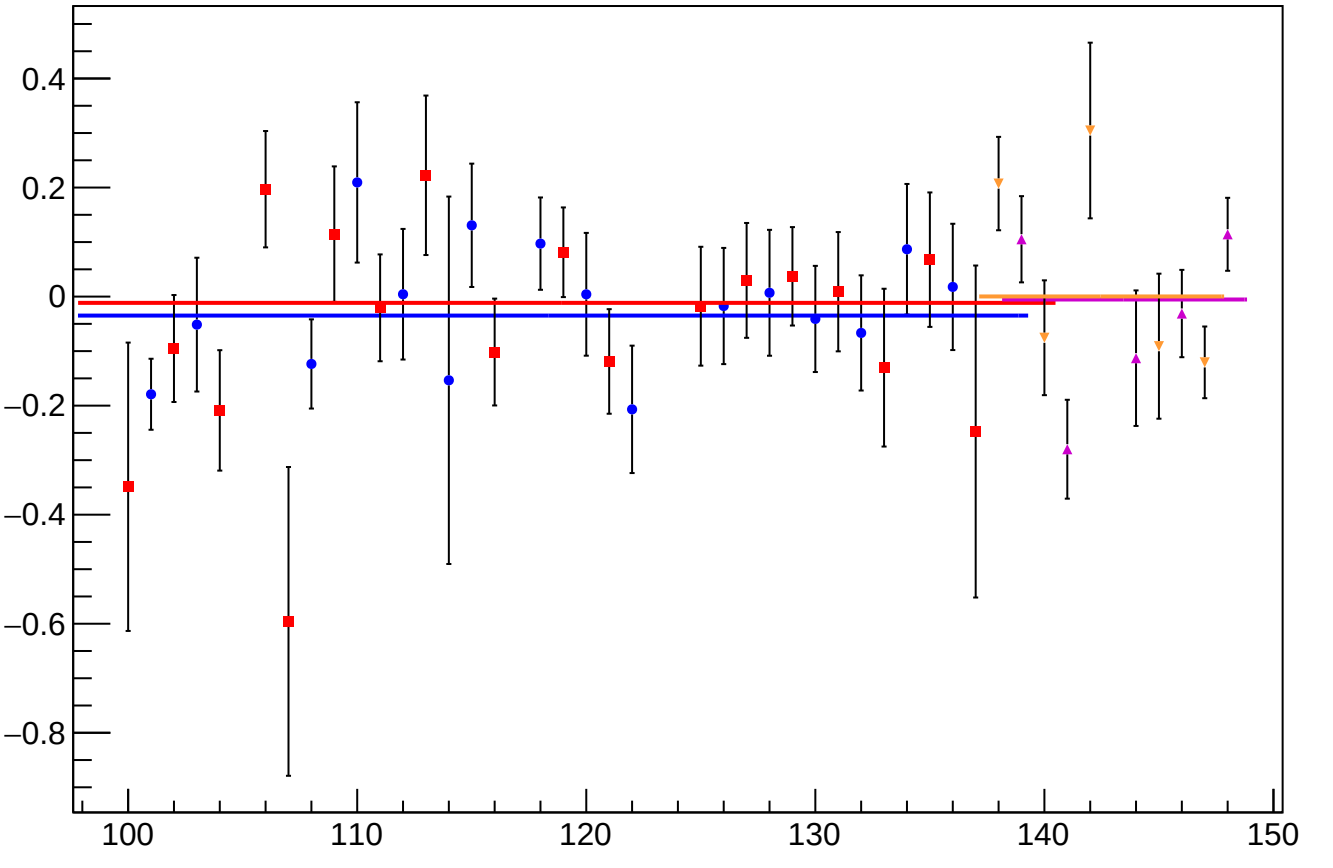
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

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

All: 47.523+/-0.008 χ^2/NDF: 3991153.3/43

- sign 47.699+/-0.011 χ^2/NDF: 1789915.4/22



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

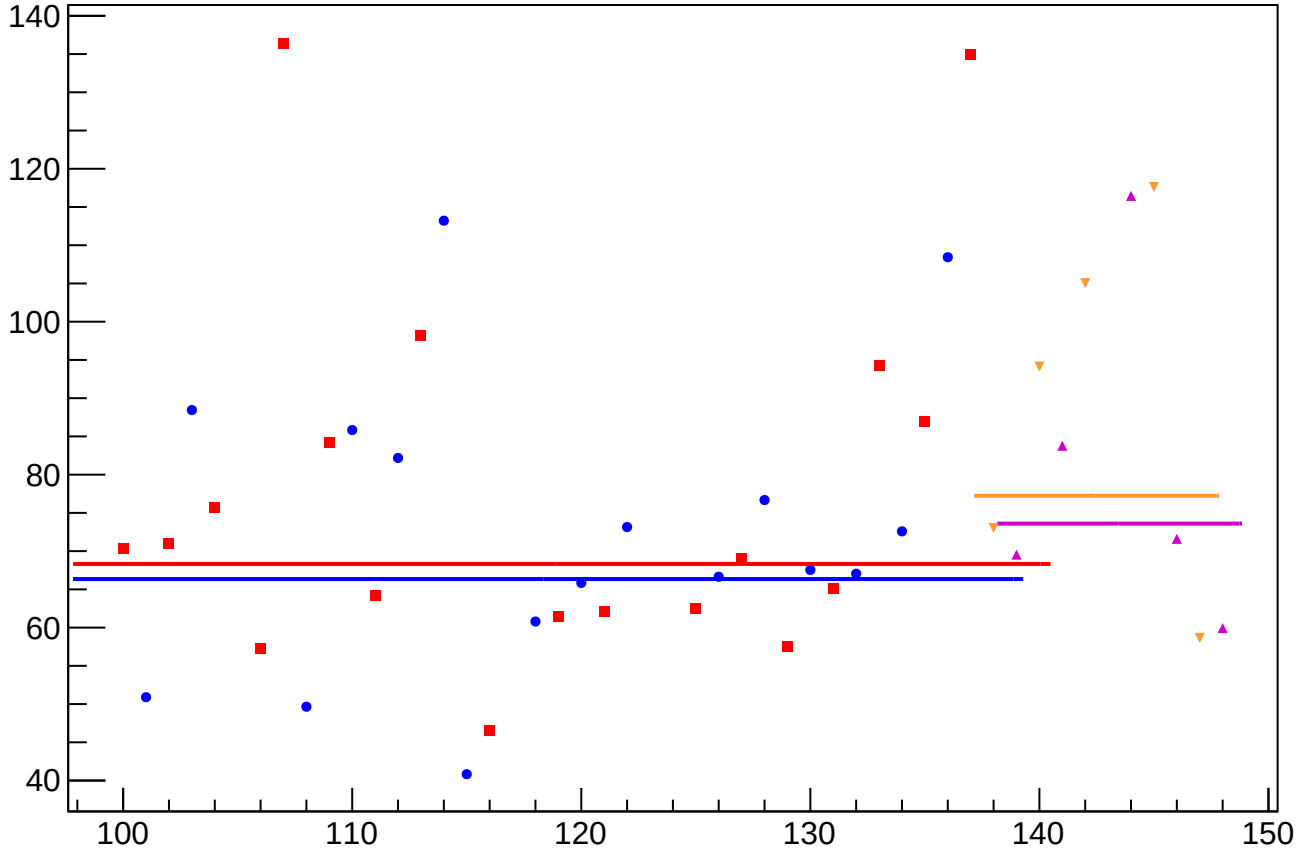
Left In: -0.005+/-0.037 χ^2/NDF:15.2/4

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

All: -0.017+/-0.016 χ^2/NDF: 69.9/43

- sign -0.009+/-0.022 χ^2/NDF: 38.0/22

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

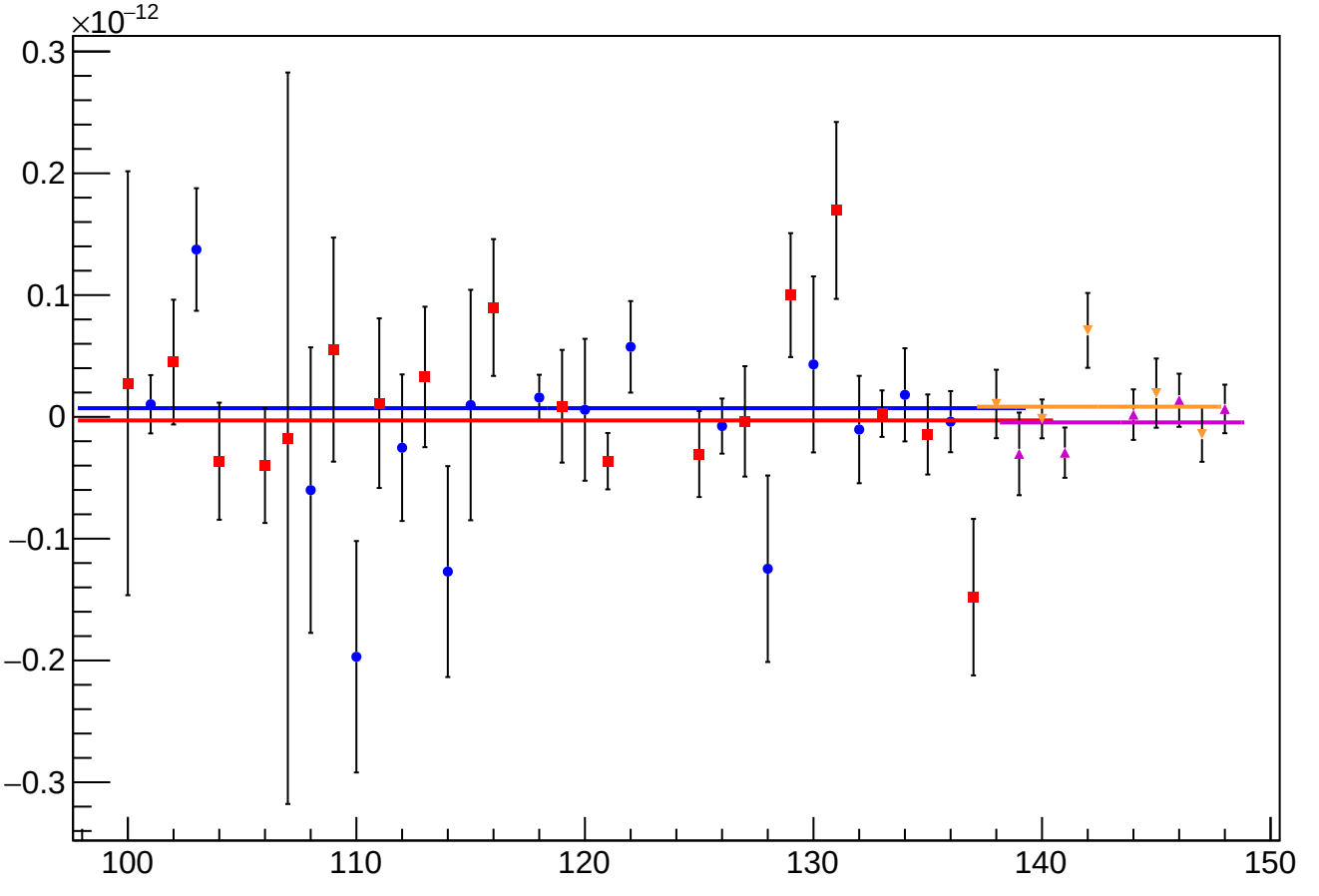
Left In: 73.601+/-0.026 χ^2/NDF:352862.9/4

+ sign 69.357+/-0.016 χ^2/NDF: 1327645.4/20

All: 69.758+/-0.011 χ^2/NDF: 2337951.5/43

- sign 70.139+/-0.015 χ^2/NDF: 1009049.5/22

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

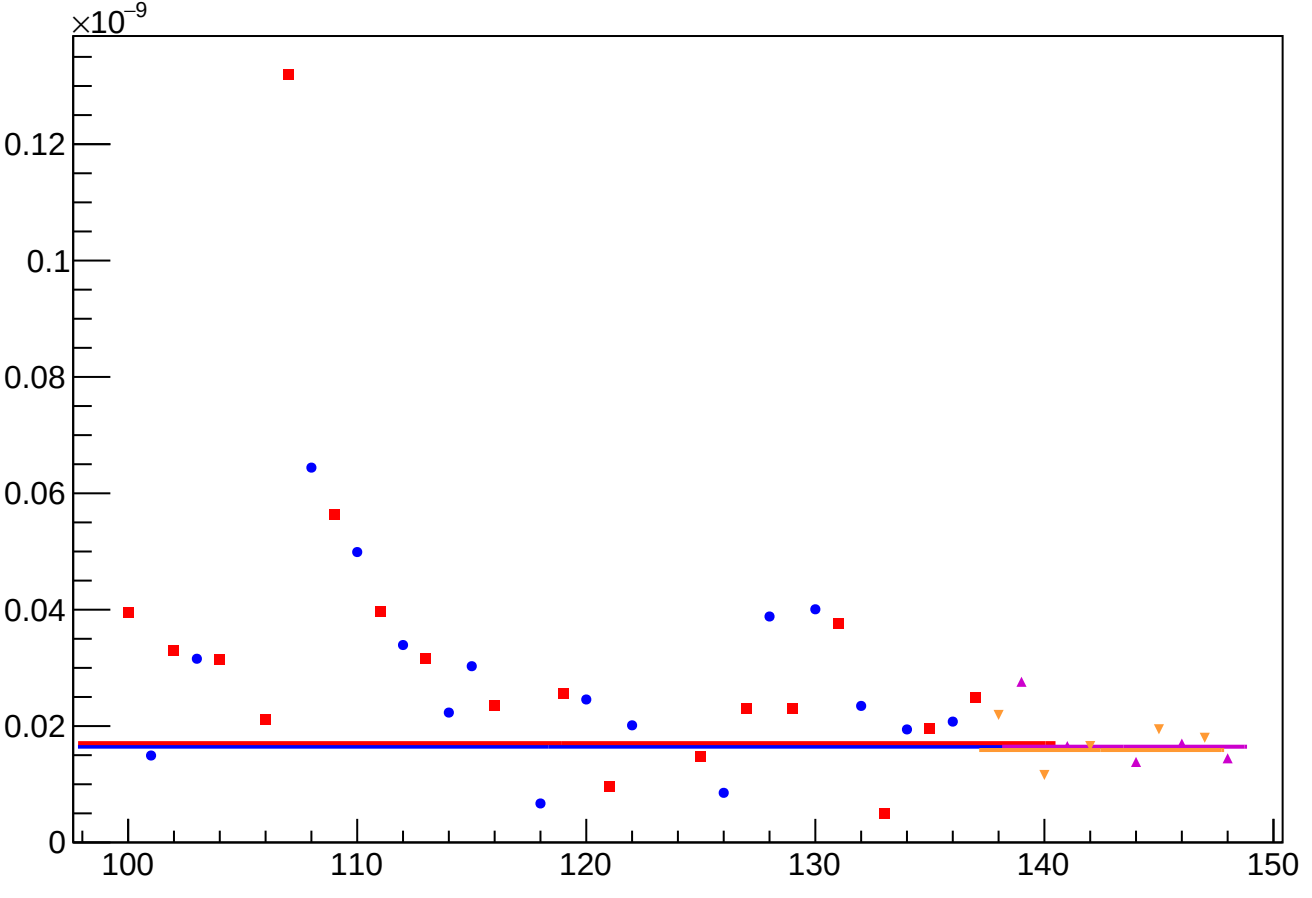
Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/20

All: 0.000+/-0.000 χ^2/NDF: 54.0/43

- sign -0.000+/-0.000 χ^2/NDF: 26.5/22

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

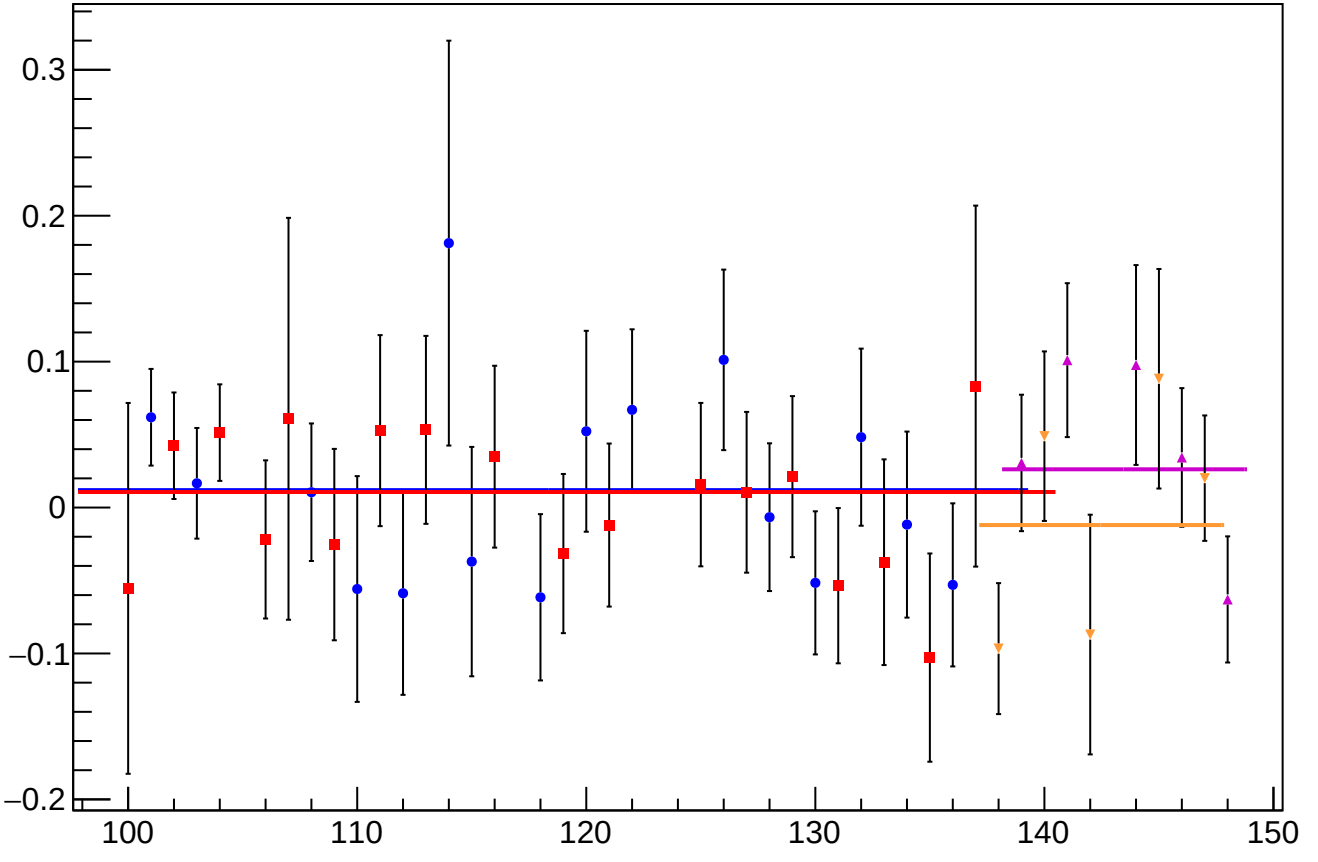
Left In: 0.000+/-0.000 χ^2/NDF:269439.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 2635678.2/20

All: 0.000+/-0.000 χ^2/NDF: 5706886.6/43

- sign 0.000+/-0.000 χ^2/NDF: 3064669.8/22

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

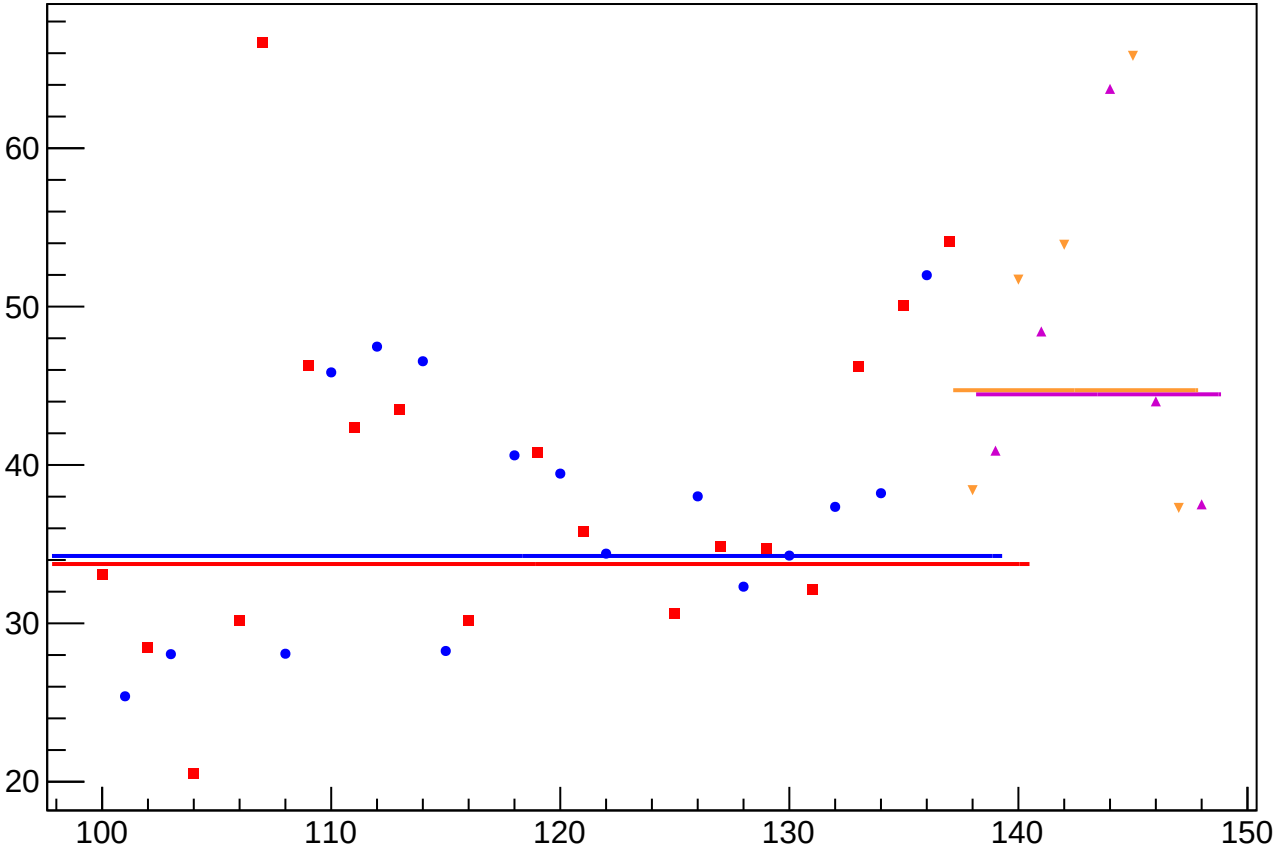
Left In: 0.026+/-0.022 χ^2/NDF:7.4/4

+ sign 0.006+/-0.012 χ^2/NDF: 23.3/20

All: 0.011+/-0.008 χ^2/NDF: 41.2/43

- sign 0.015+/-0.012 χ^2/NDF: 17.7/22

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

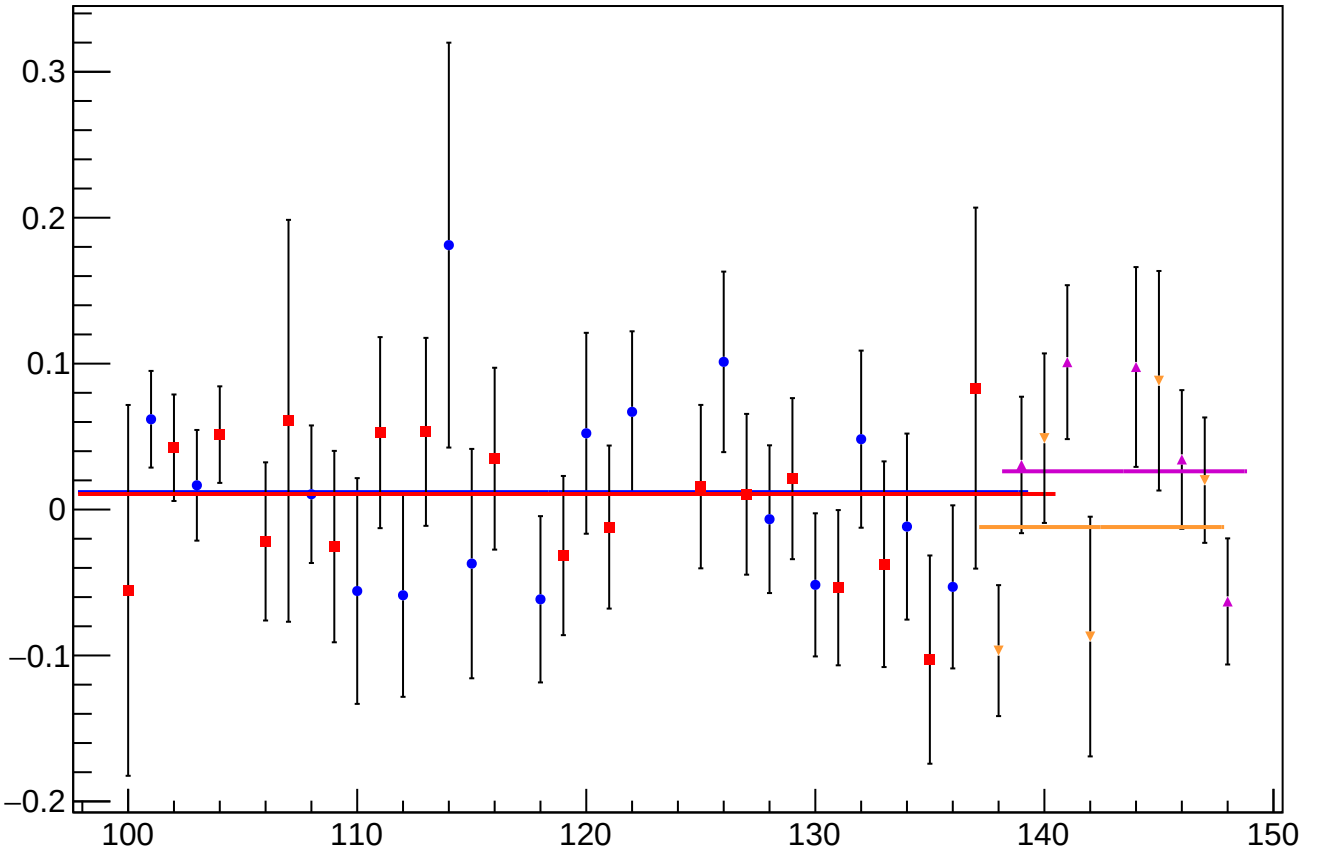
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.461+/-0.016 χ^2/NDF:233441.6/4

+ sign 36.716+/-0.008 χ^2/NDF: 1224907.1/20

All: 36.656+/-0.006 χ^2/NDF: 2708819.5/43

- sign 36.600+/-0.008 χ^2/NDF: 1483813.6/22



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

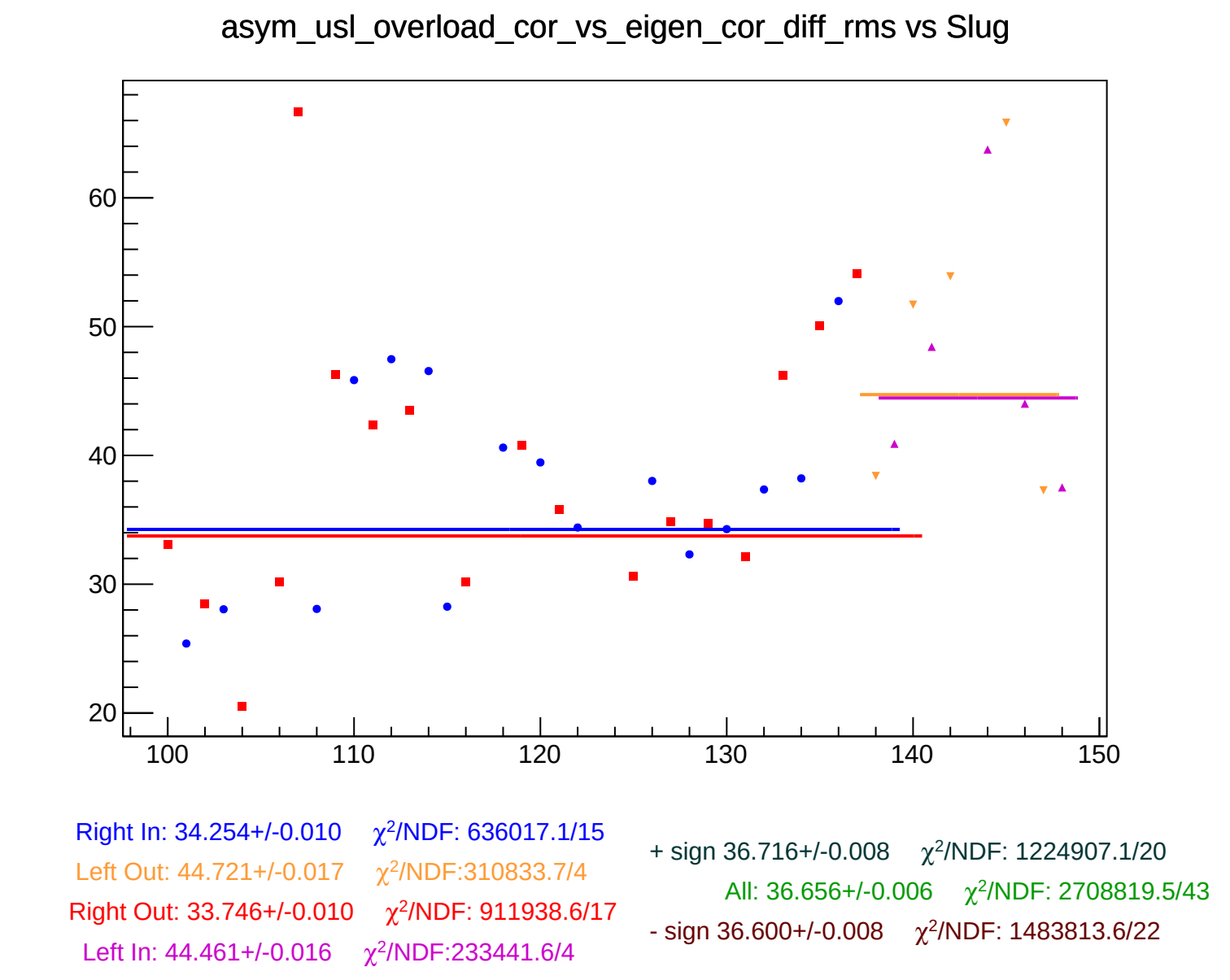
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

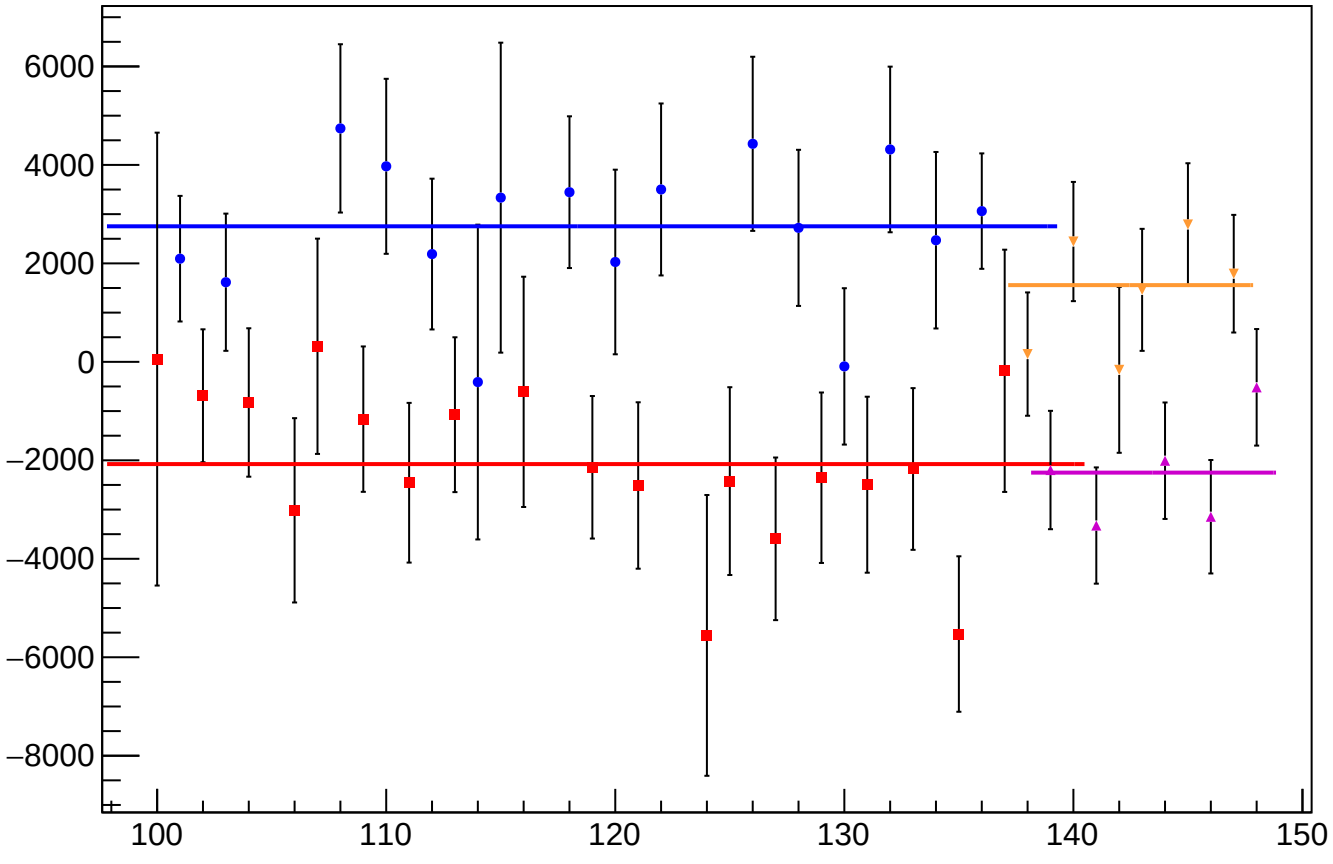
Left In: 0.026+/-0.022 χ^2/NDF:7.4/4

+ sign 0.006+/-0.012 χ^2/NDF: 23.3/20

All: 0.011+/-0.008 χ^2/NDF: 41.2/43

- sign 0.015+/-0.012 χ^2/NDF: 17.7/22


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
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: 44.461+/-0.016 χ²/NDF:233441.6/4
+ sign 36.716+/-0.008 χ²/NDF: 1224907.1/20
All: 36.656+/-0.006 χ²/NDF: 2708819.5/43
- sign 36.600+/-0.008 χ²/NDF: 1483813.6/22



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

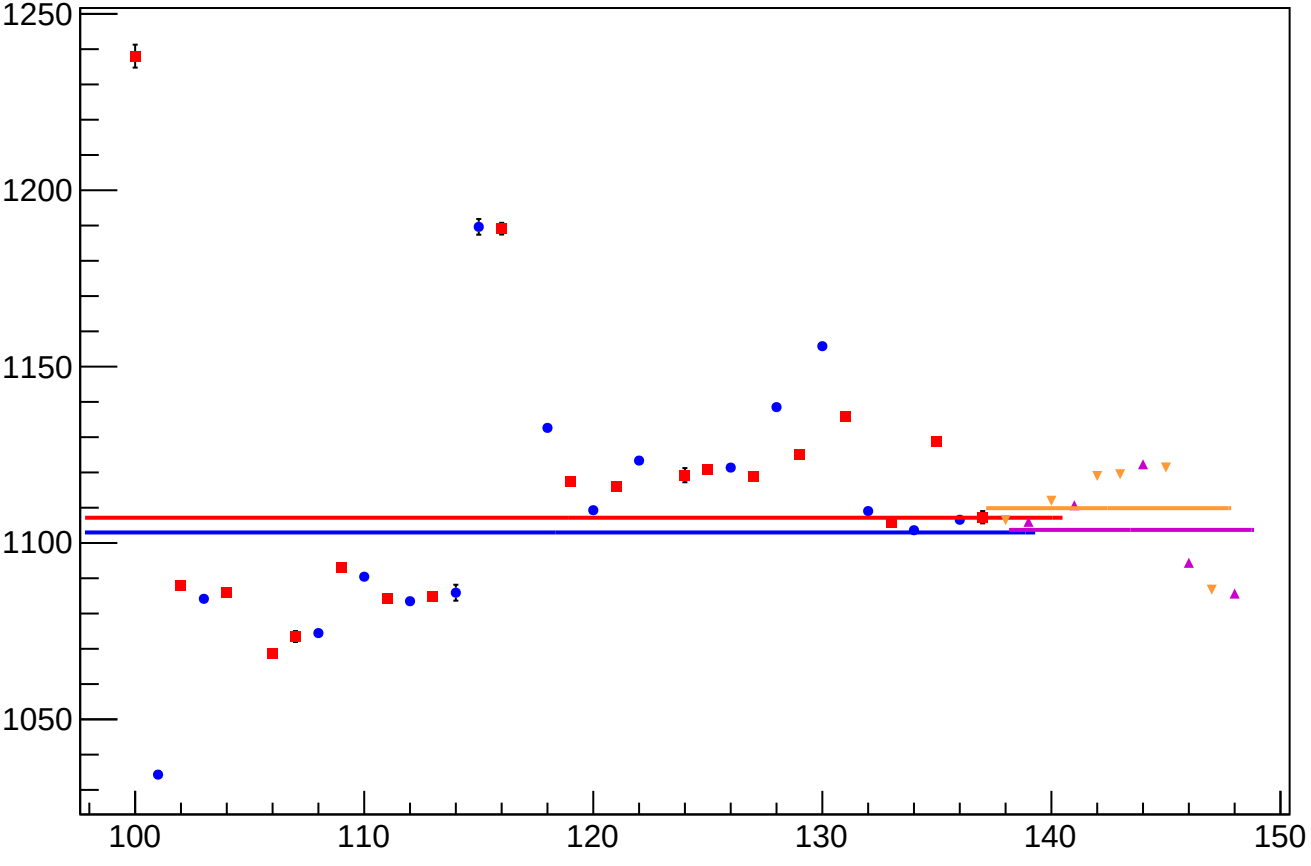
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 66.956+/-227.345 χ^2/NDF: 128.1/45

- sign -2140.508+/-320.680 χ^2/NDF: 16.2/23

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

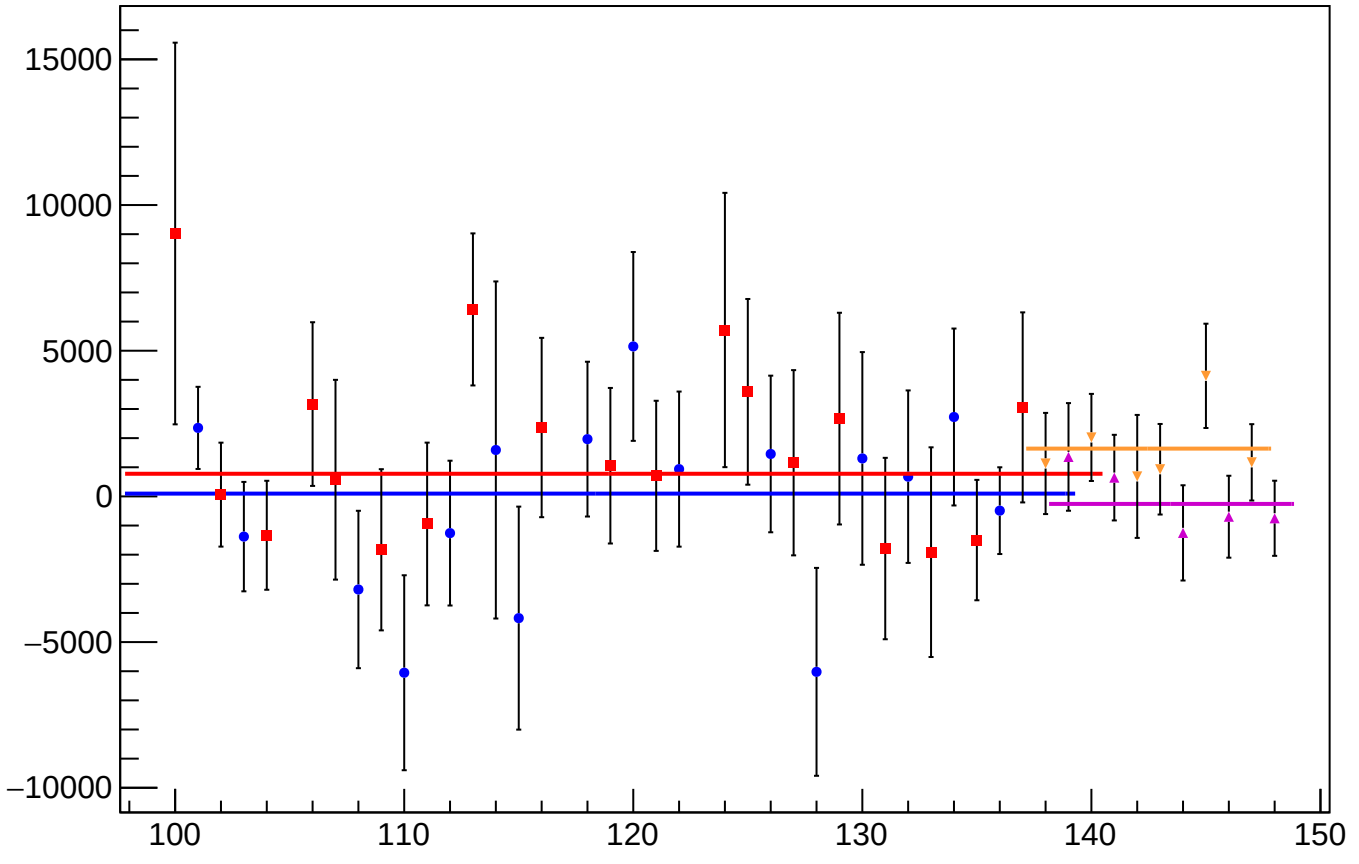
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45

- sign 1105.886+/-0.227 χ^2/NDF: 9905.2/23



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

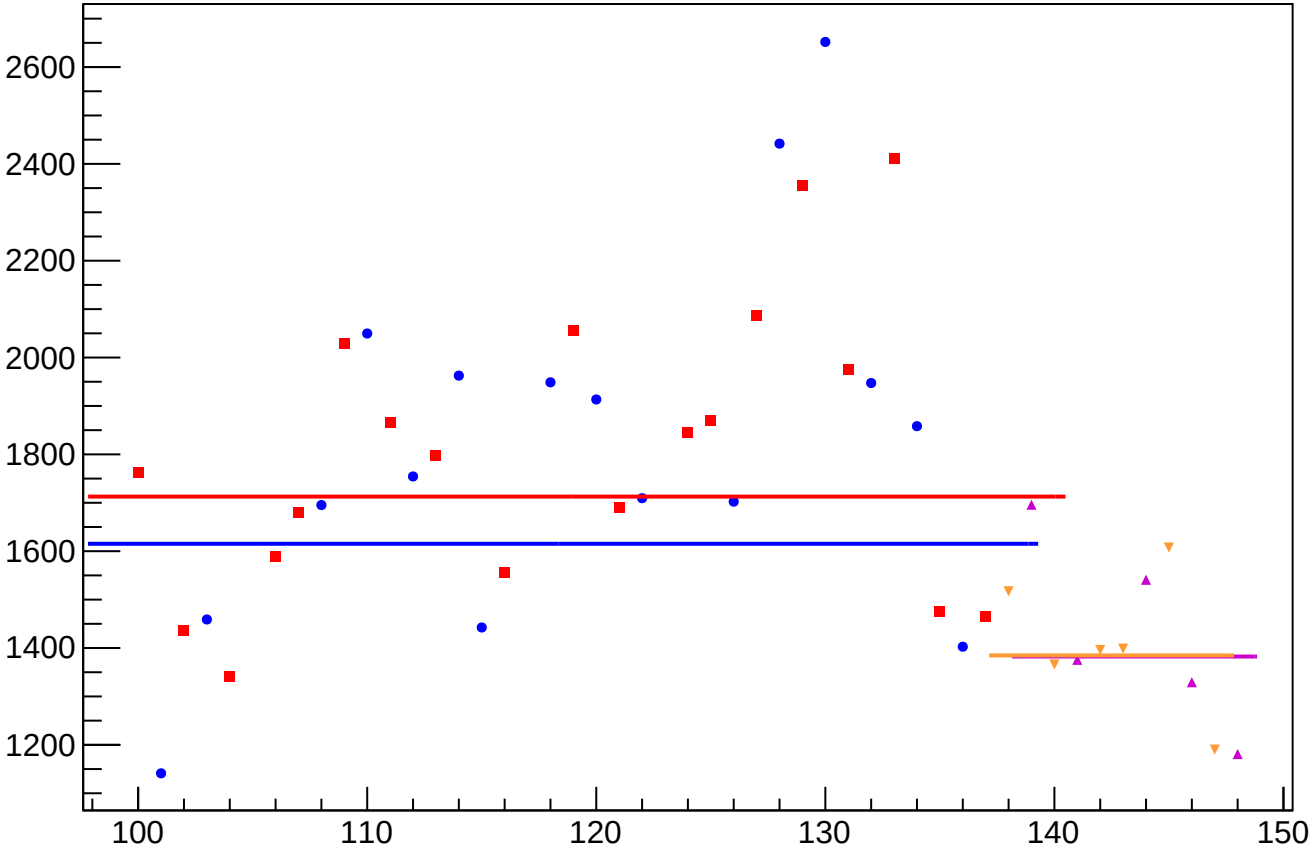
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 558.762+/-322.190 χ^2/NDF: 41.3/45

- sign 284.428+/-461.125 χ^2/NDF: 18.1/23

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

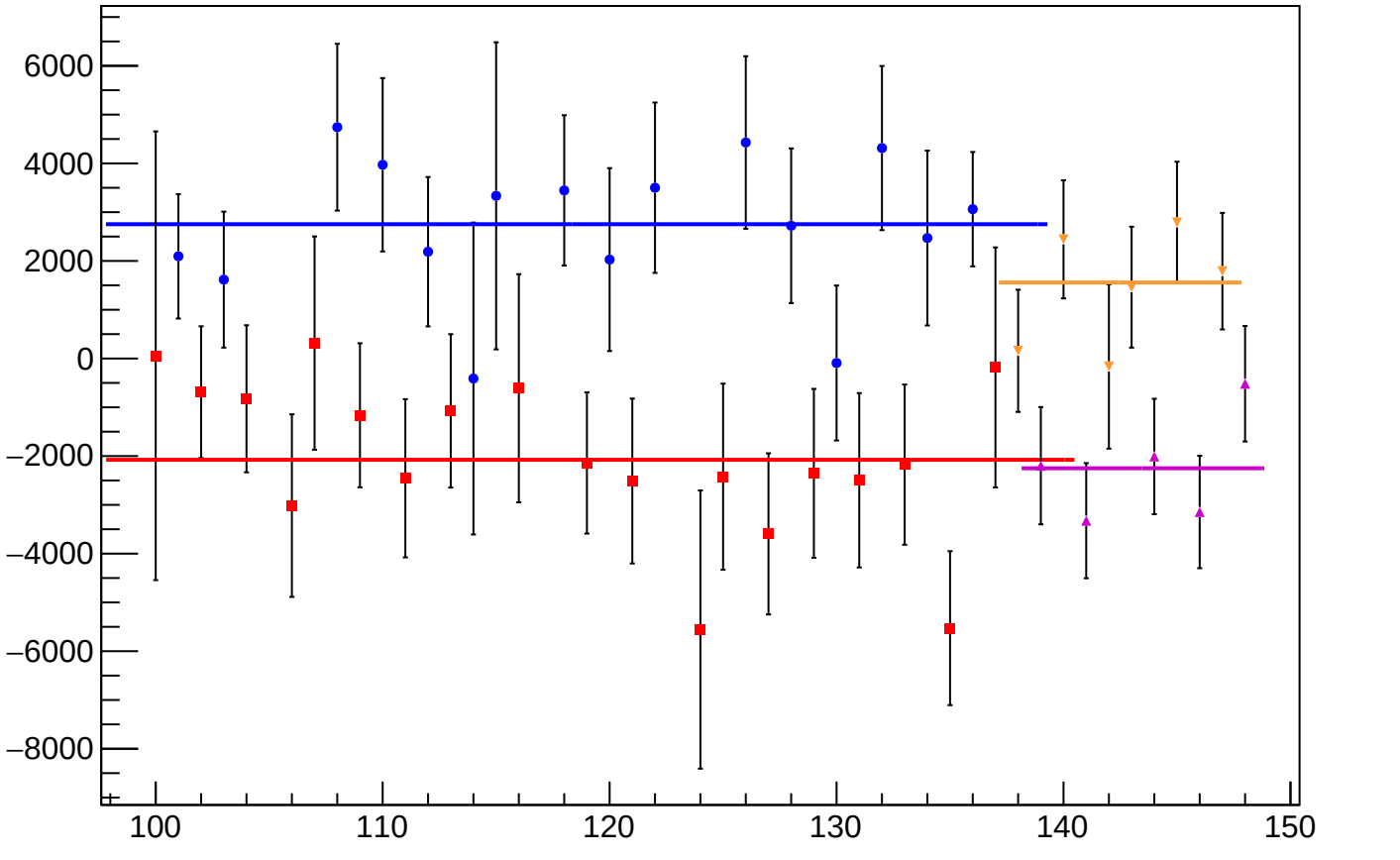
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45

- sign 1555.590+/-0.326 χ^2/NDF: 812197.1/23



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

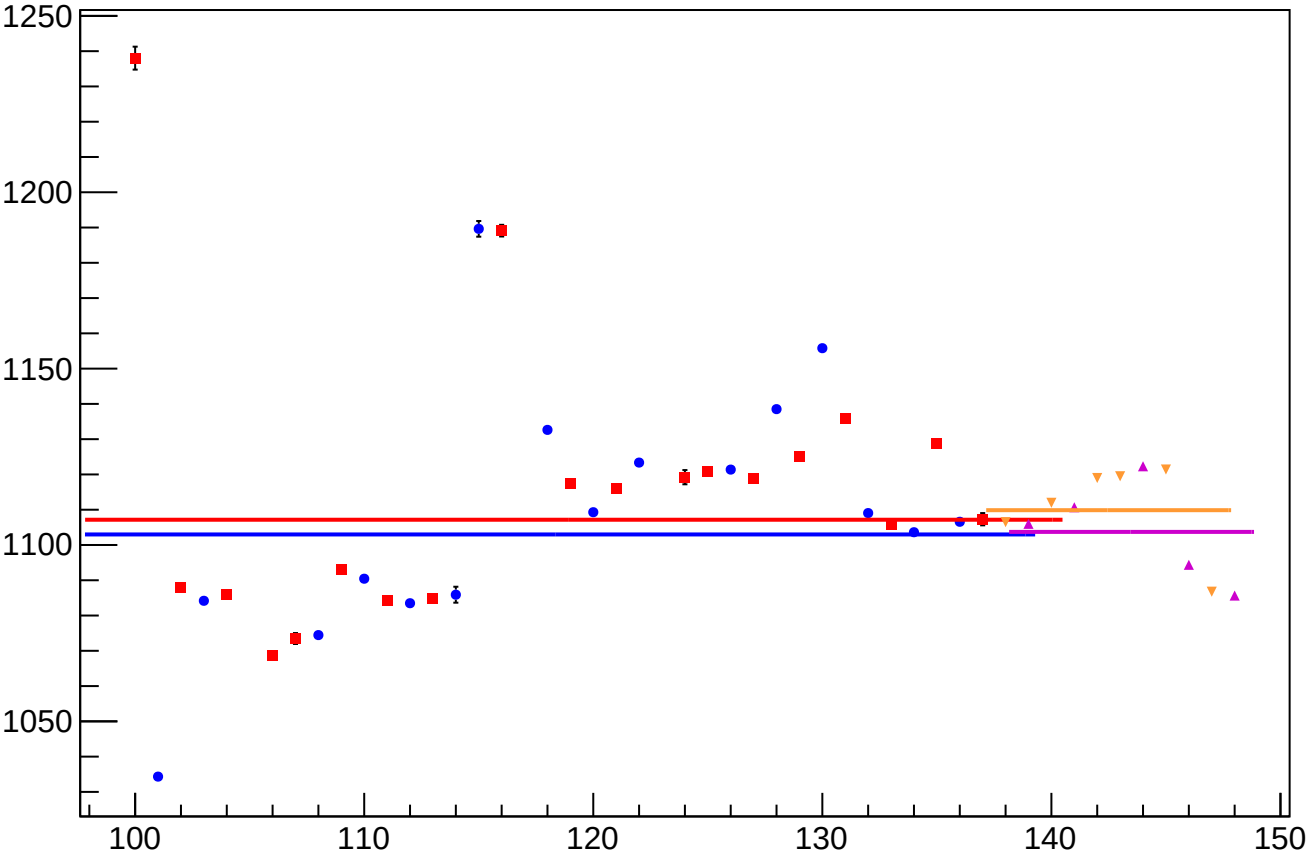
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 66.956+/-227.345 χ^2/NDF: 128.1/45

- sign -2140.508+/-320.680 χ^2/NDF: 16.2/23

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

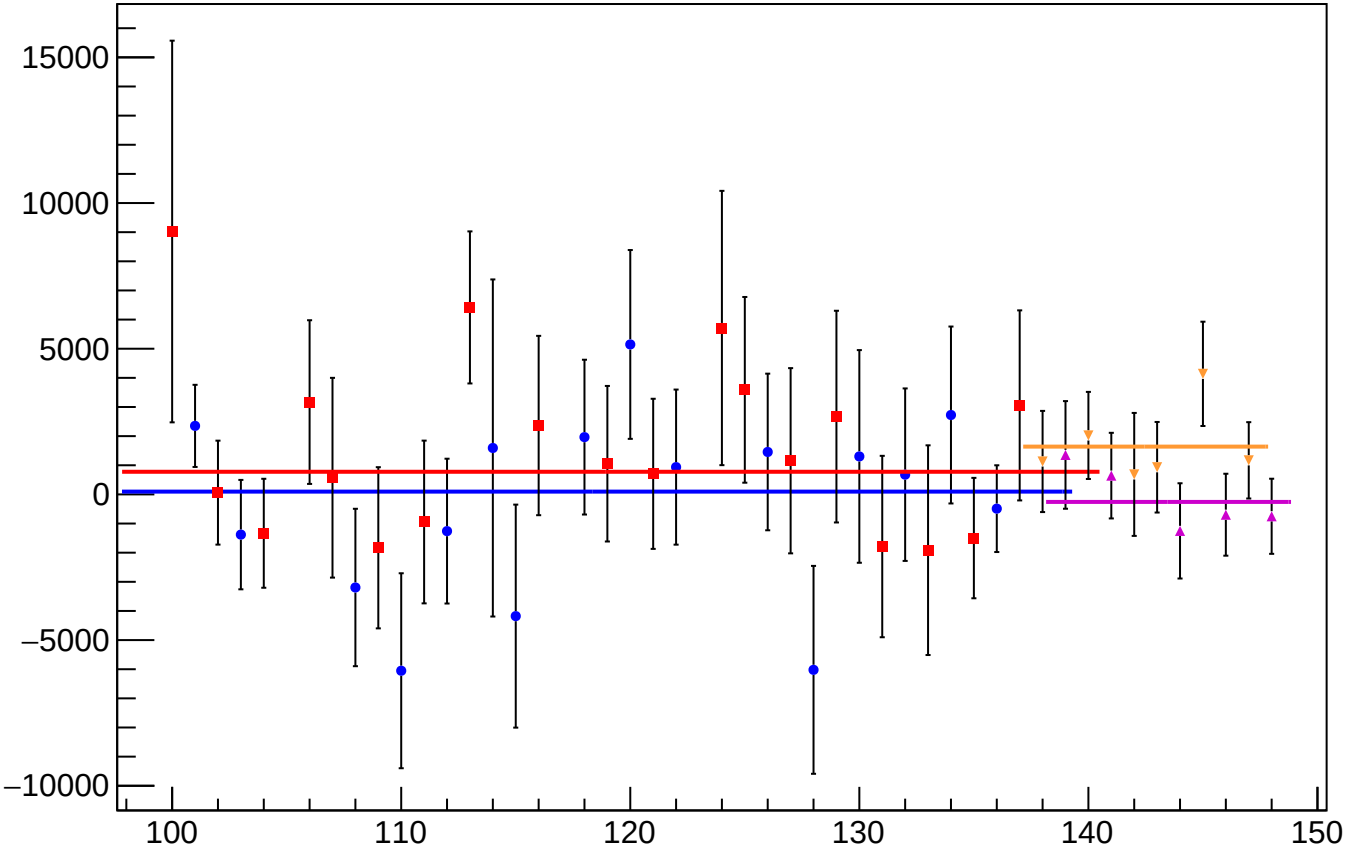
Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45

- sign 1105.886+/-0.227 χ^2/NDF: 9905.2/23

asym_usr_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

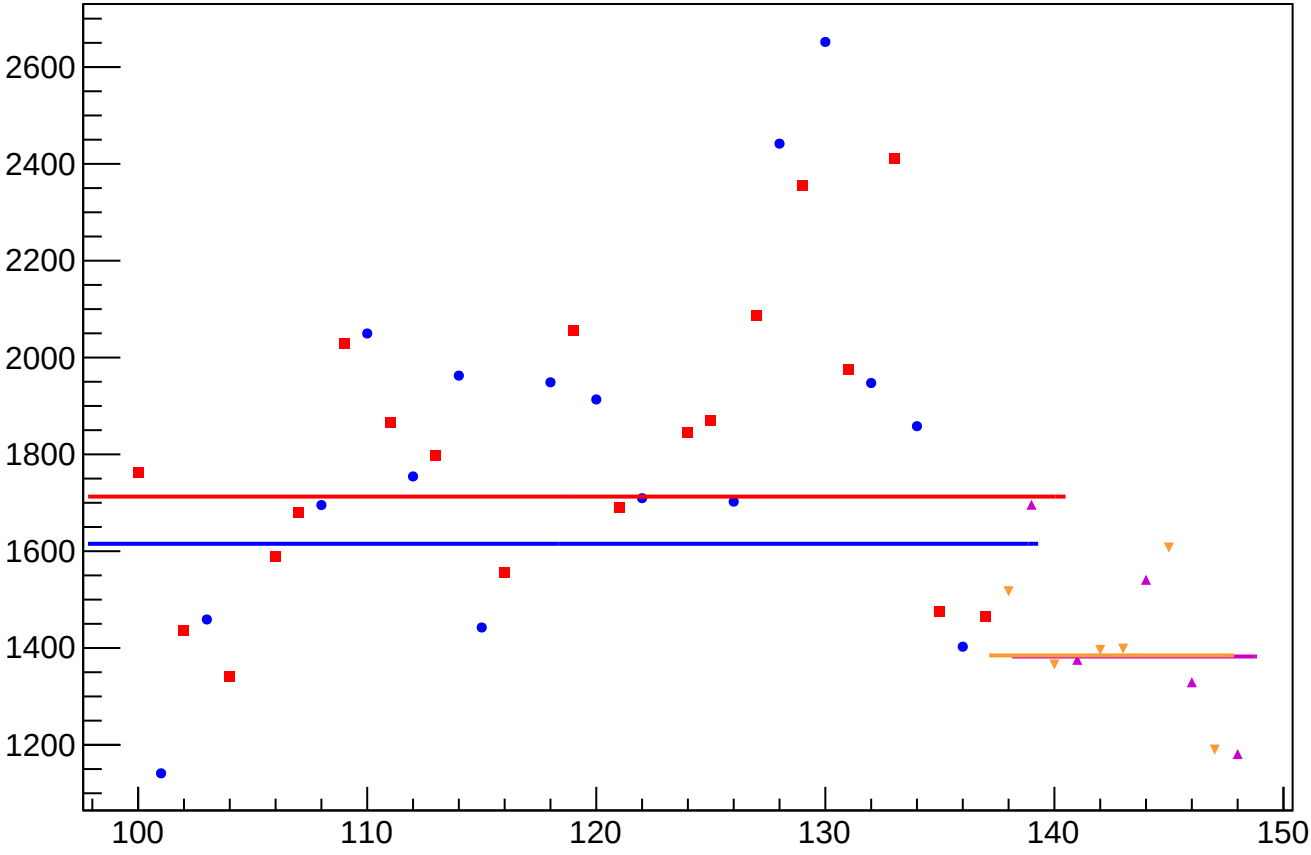
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 558.762+/-322.190 χ^2/NDF: 41.3/45

- sign 284.428+/-461.125 χ^2/NDF: 18.1/23

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

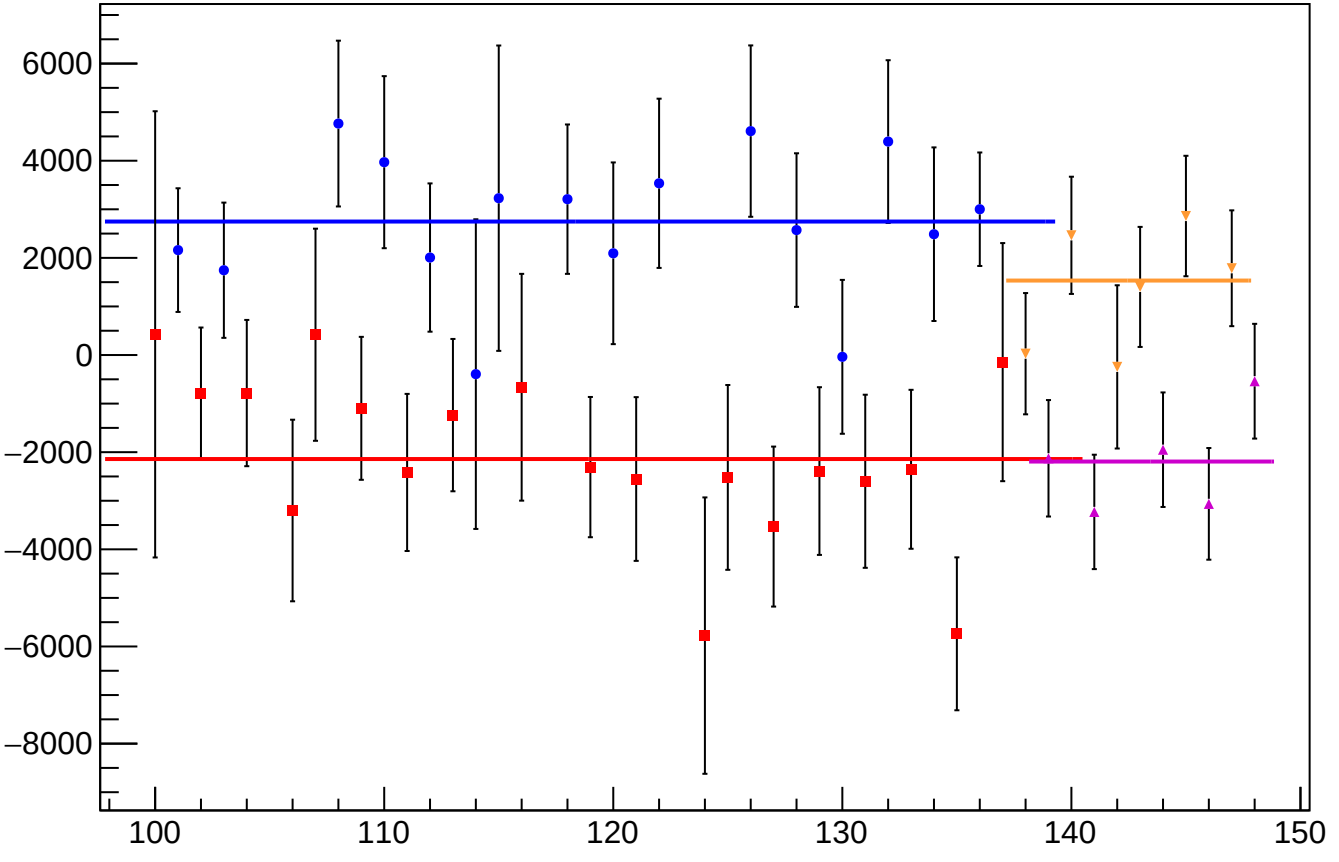
Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45

- sign 1555.590+/-0.326 χ^2/NDF: 812197.1/23

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

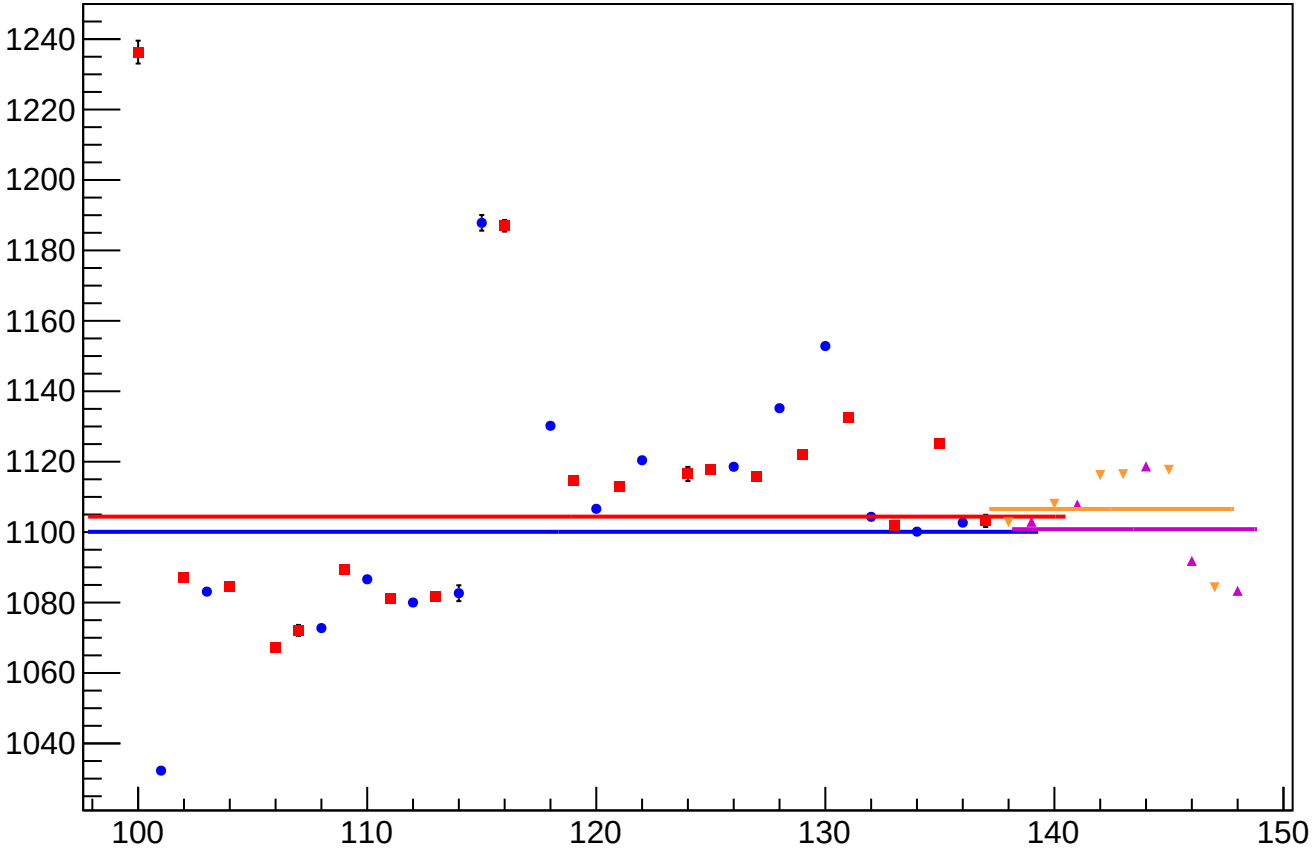
Left In: -2192.786+/-526.317 χ^2/NDF:3.4/4

+ sign 2284.511+/-321.466 χ^2/NDF: 17.2/21

All: 51.056+/-226.743 χ^2/NDF: 130.2/45

- sign -2160.234+/-319.867 χ^2/NDF: 16.9/23

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

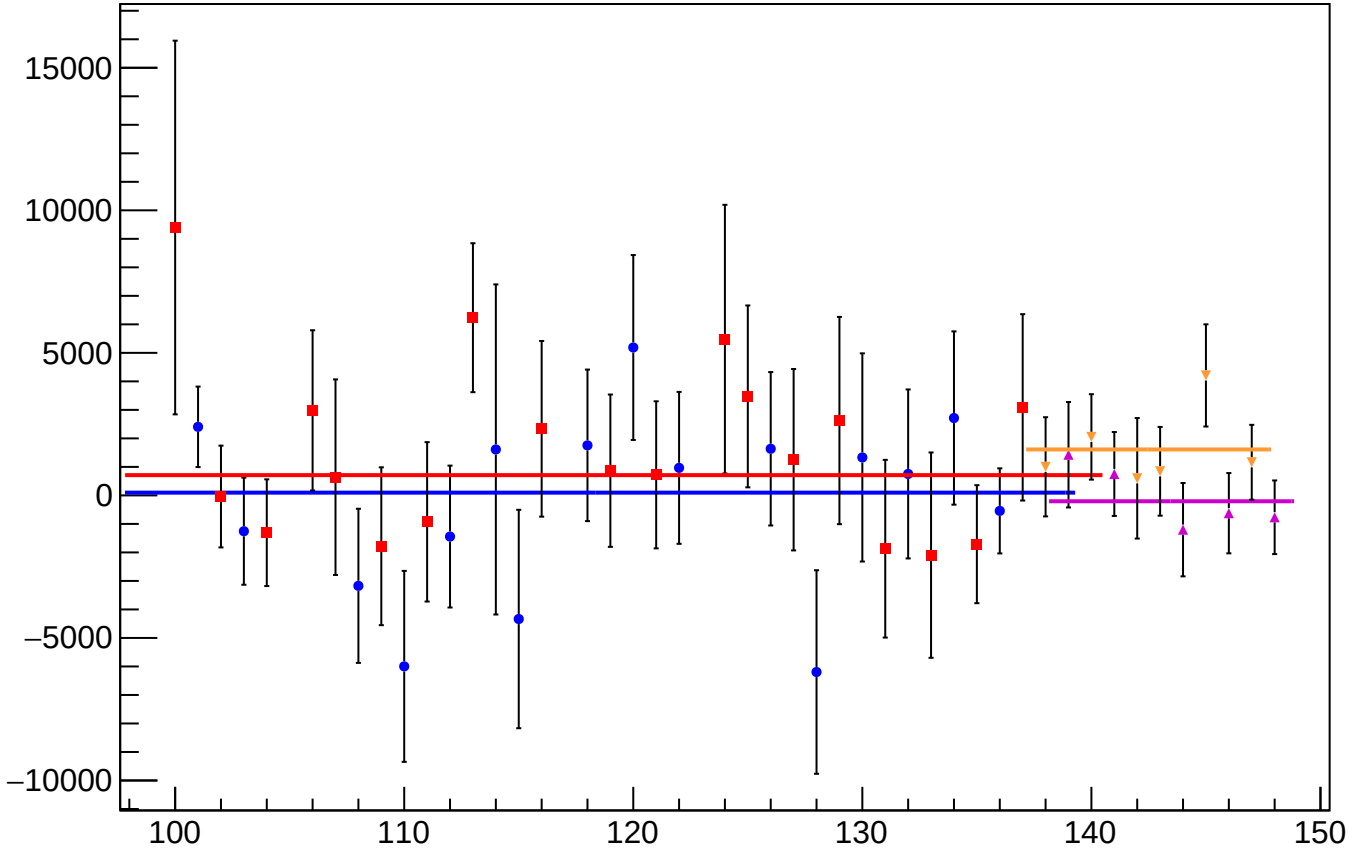
Left In: 1100.839+/-0.372 χ^2/NDF:1097.2/4

+ sign 1102.565+/-0.227 χ^2/NDF: 14341.8/21

All: 1102.827+/-0.160 χ^2/NDF: 24043.0/45

- sign 1103.086+/-0.226 χ^2/NDF: 9698.5/23

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

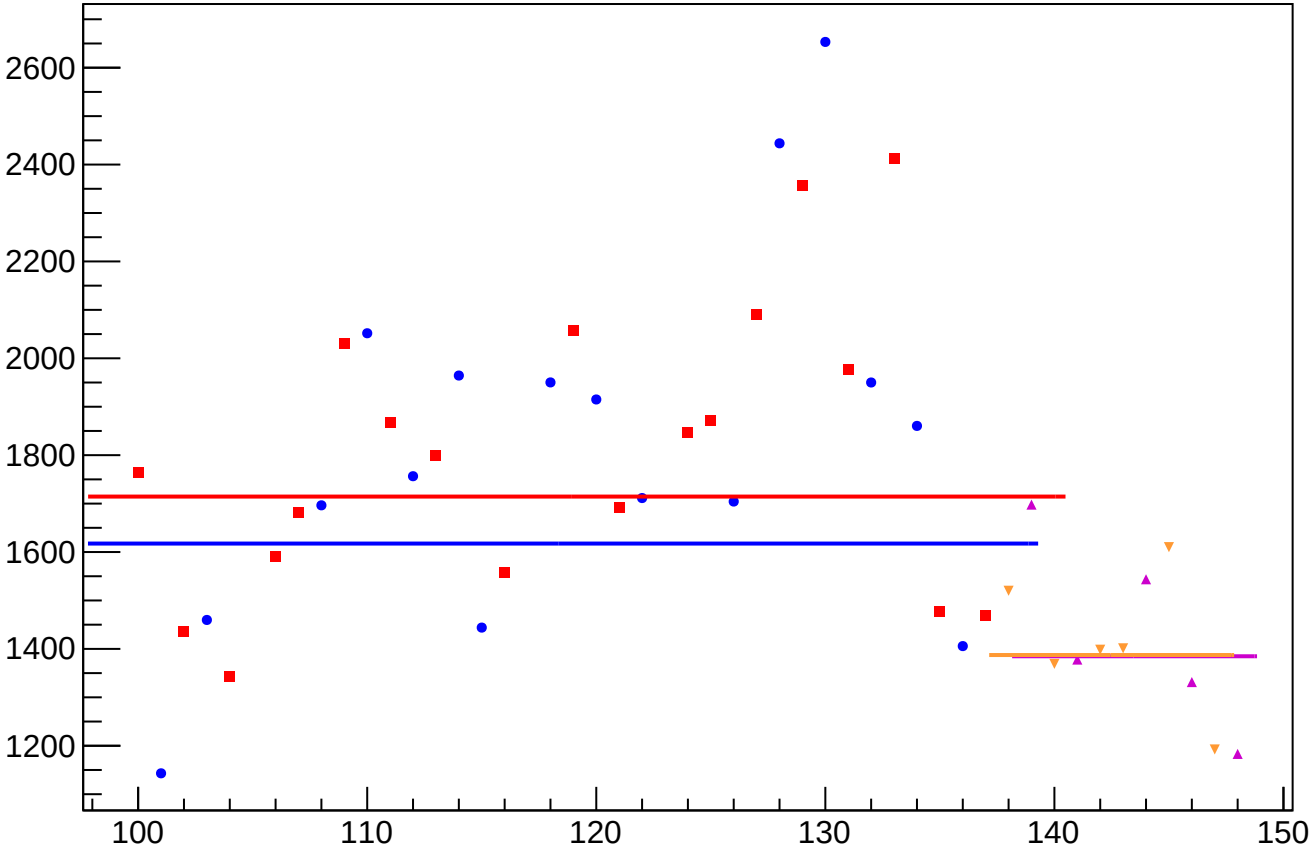
Left In: -205.570+/-669.524 χ^2/NDF:1.8/4

\+ sign 807.369+/-451.050 χ^2/NDF: 22.9/21

All: 547.527+/-322.647 χ^2/NDF: 41.4/45

\- sign 275.247+/-461.720 χ^2/NDF: 17.8/23

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

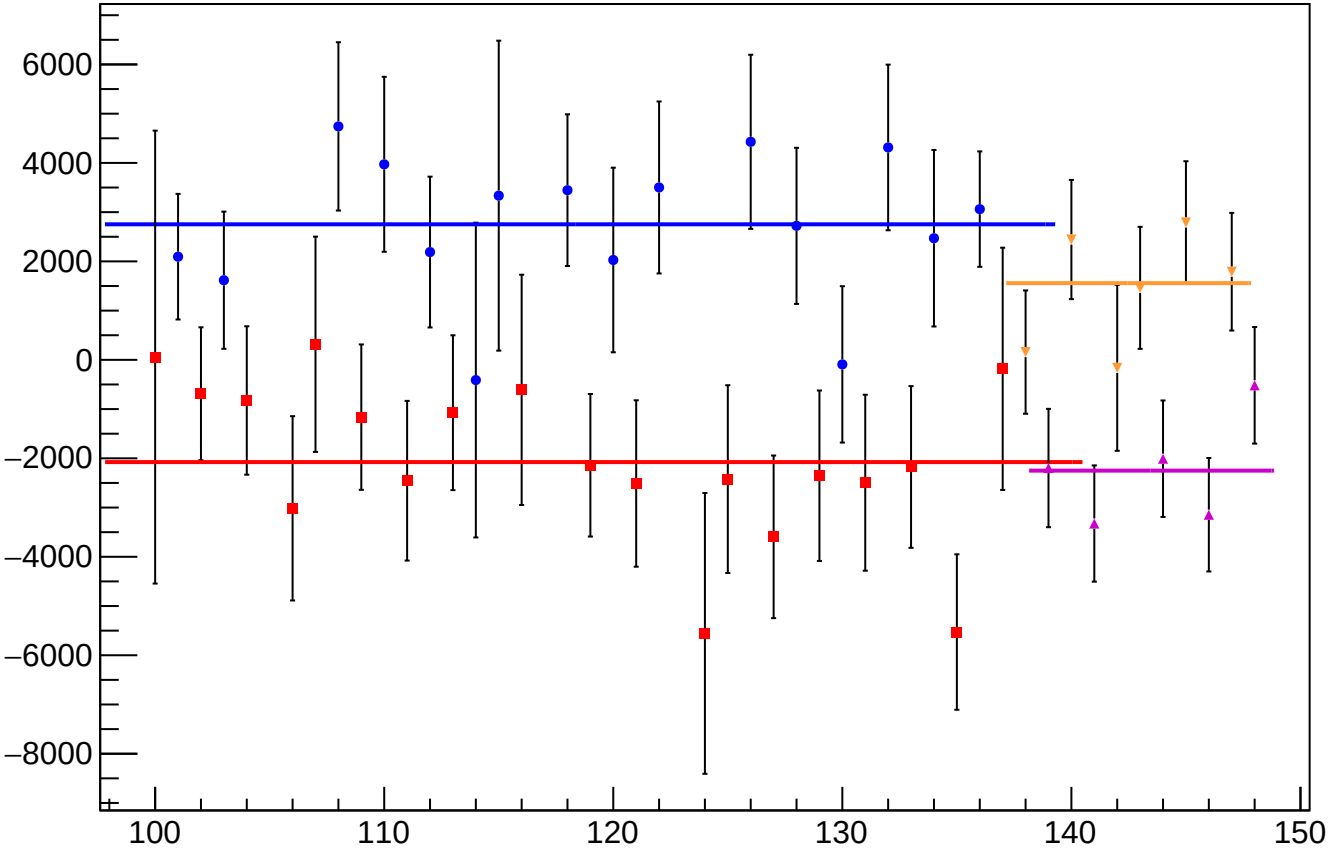
Left In: 1384.781+/-0.473 χ^2/NDF:127826.4/4

+ sign 1509.593+/-0.319 χ^2/NDF: 908564.9/21

All: 1533.082+/-0.228 χ^2/NDF: 1729589.9/45

- sign 1557.696+/-0.326 χ^2/NDF: 809917.2/23

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

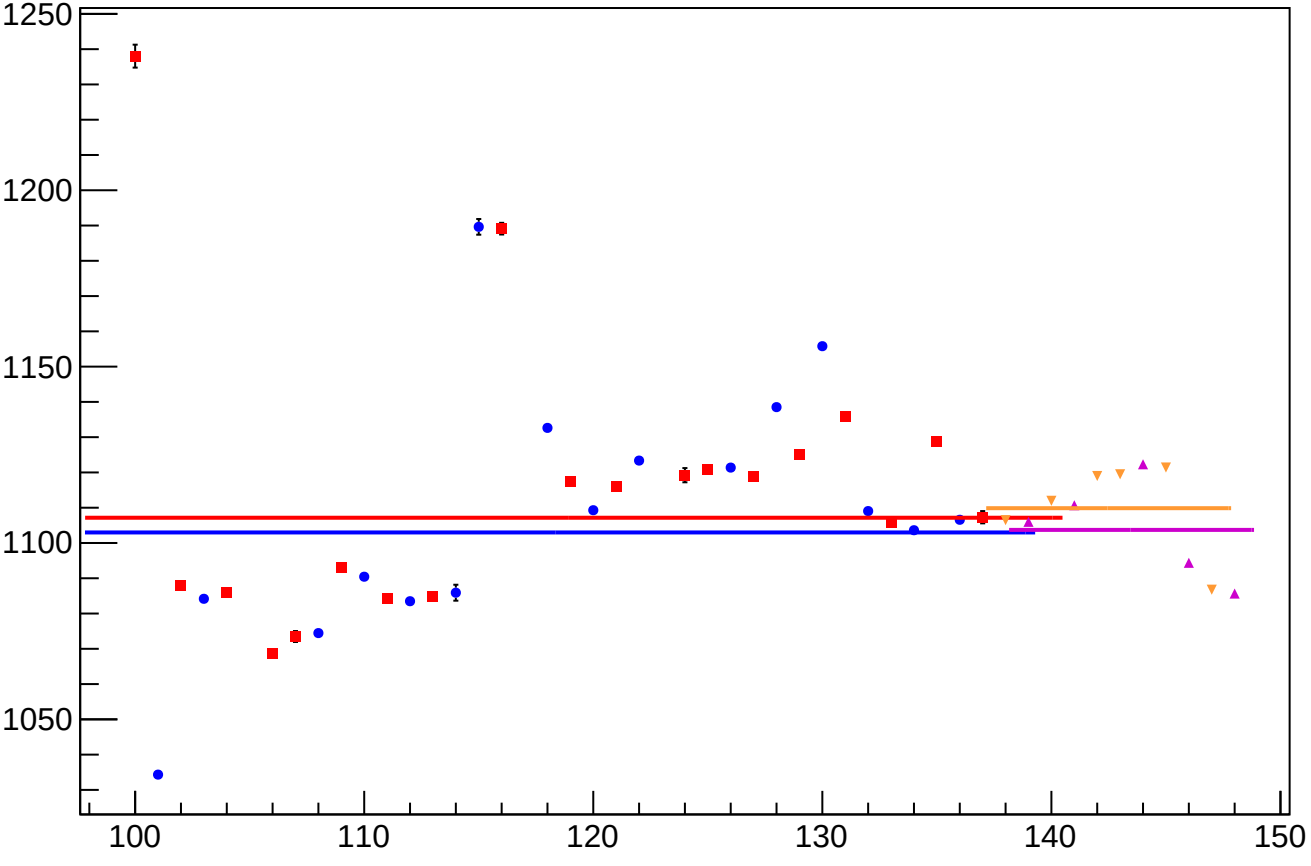
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2297.548+/-322.356 χ^2/NDF: 16.6/21

All: 66.956+/-227.345 χ^2/NDF: 128.1/45

- sign -2140.508+/-320.680 χ^2/NDF: 16.2/23

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

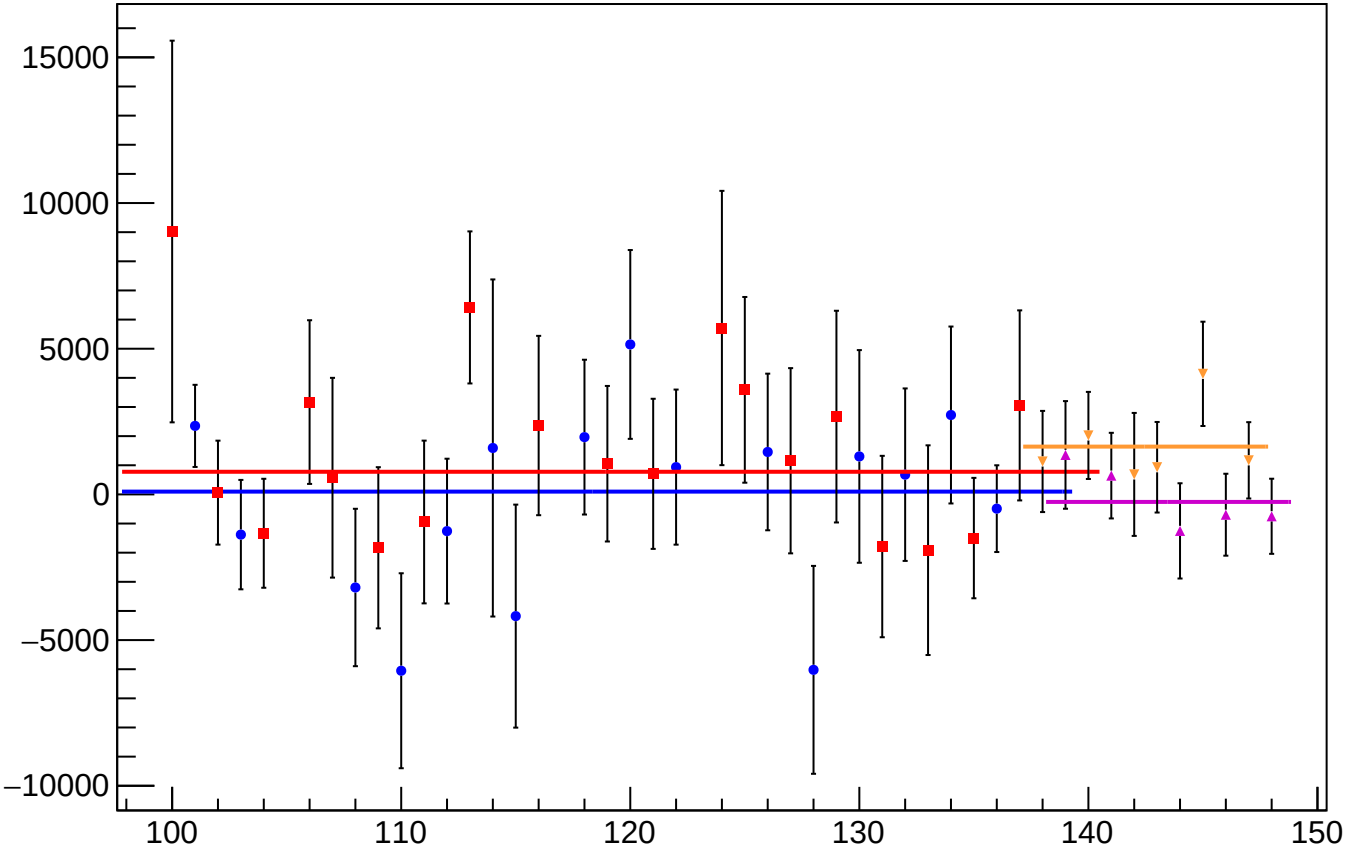
Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

+ sign 1105.611+/-0.228 χ^2/NDF: 14558.3/21

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45

- sign 1105.886+/-0.227 χ^2/NDF: 9905.2/23

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

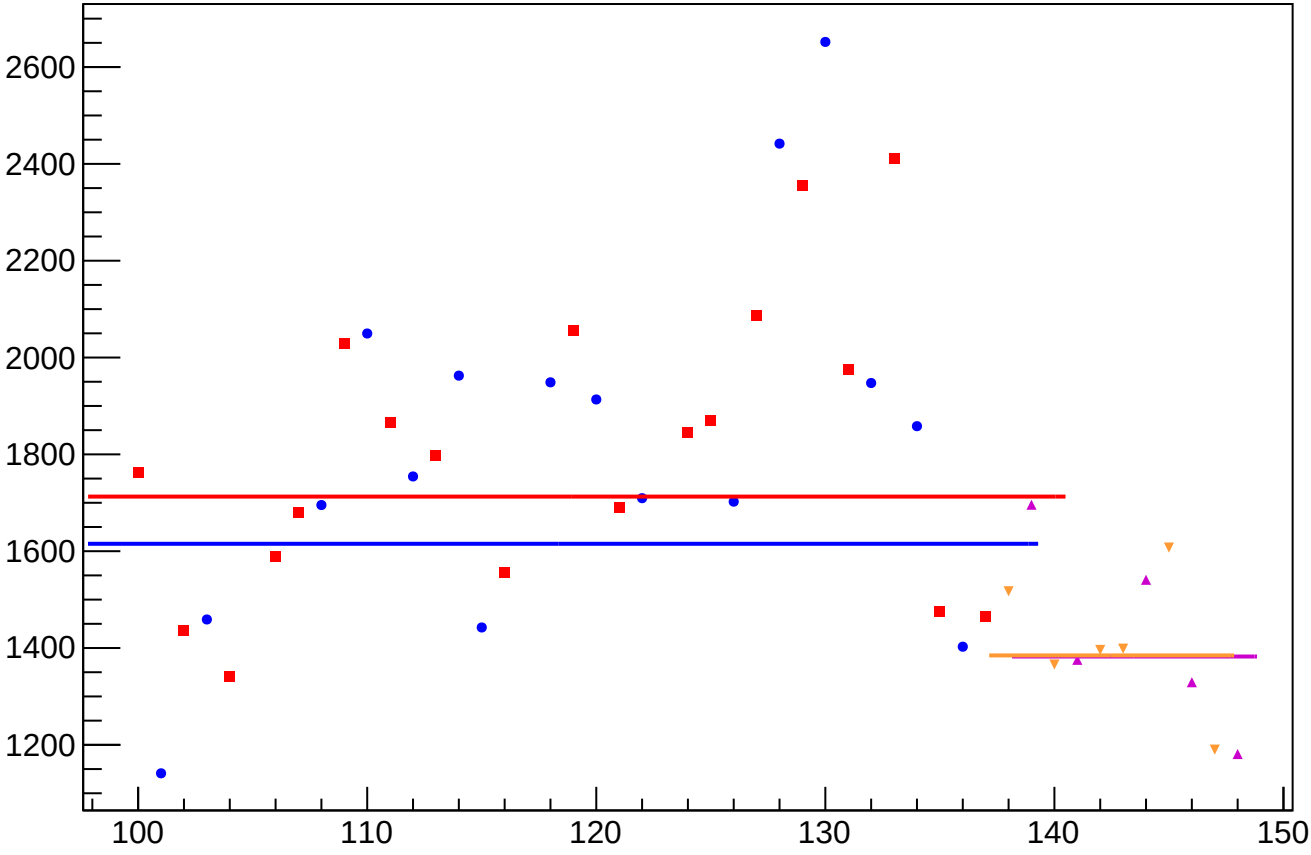
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

\+ sign 820.431+/-450.355 χ^2/NDF: 22.5/21

All: 558.762+/-322.190 χ^2/NDF: 41.3/45

\- sign 284.428+/-461.125 χ^2/NDF: 18.1/23

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

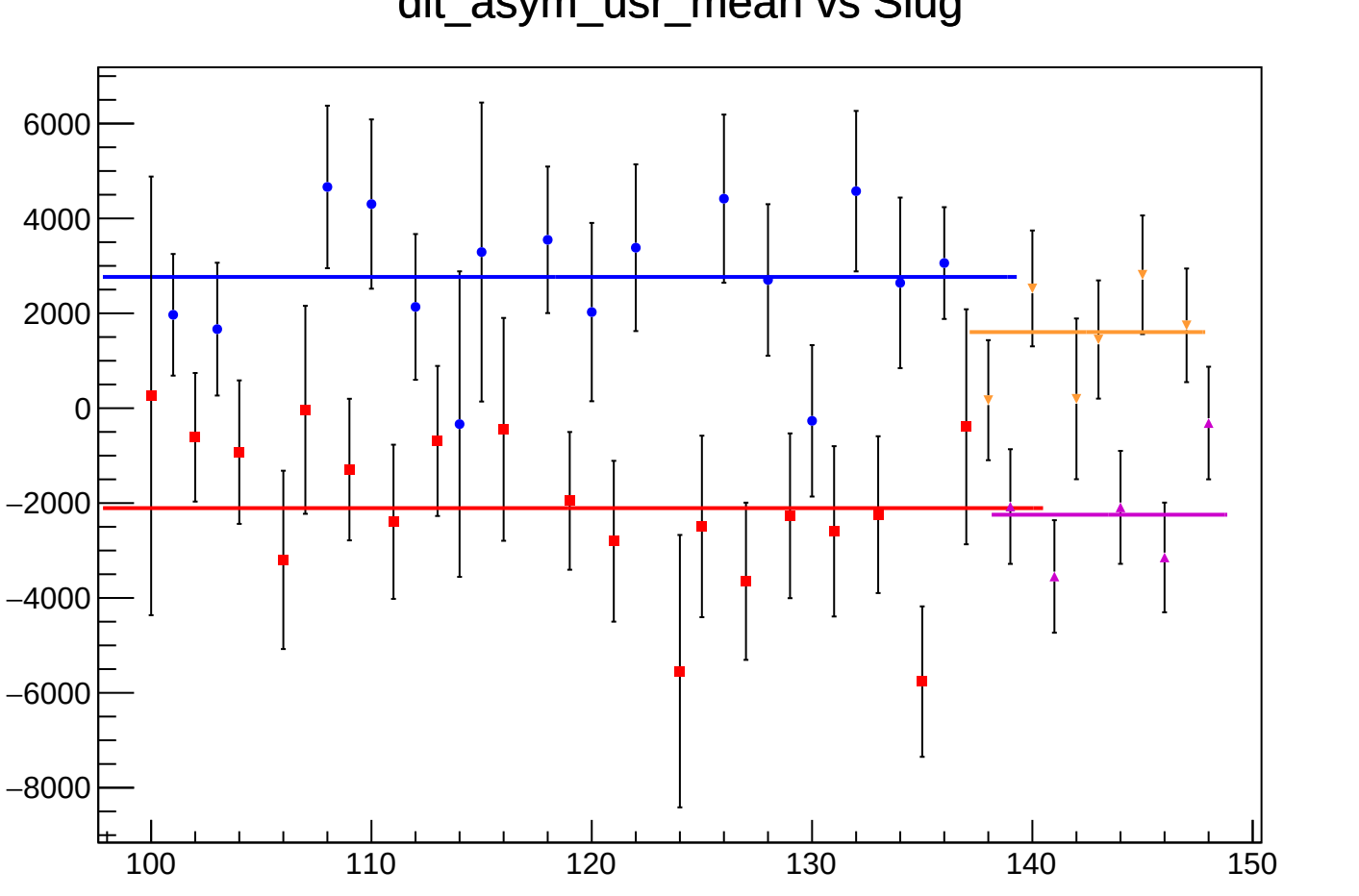
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1507.143+/-0.318 χ^2/NDF: 911513.2/21

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45

- sign 1555.590+/-0.326 χ^2/NDF: 812197.1/23



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

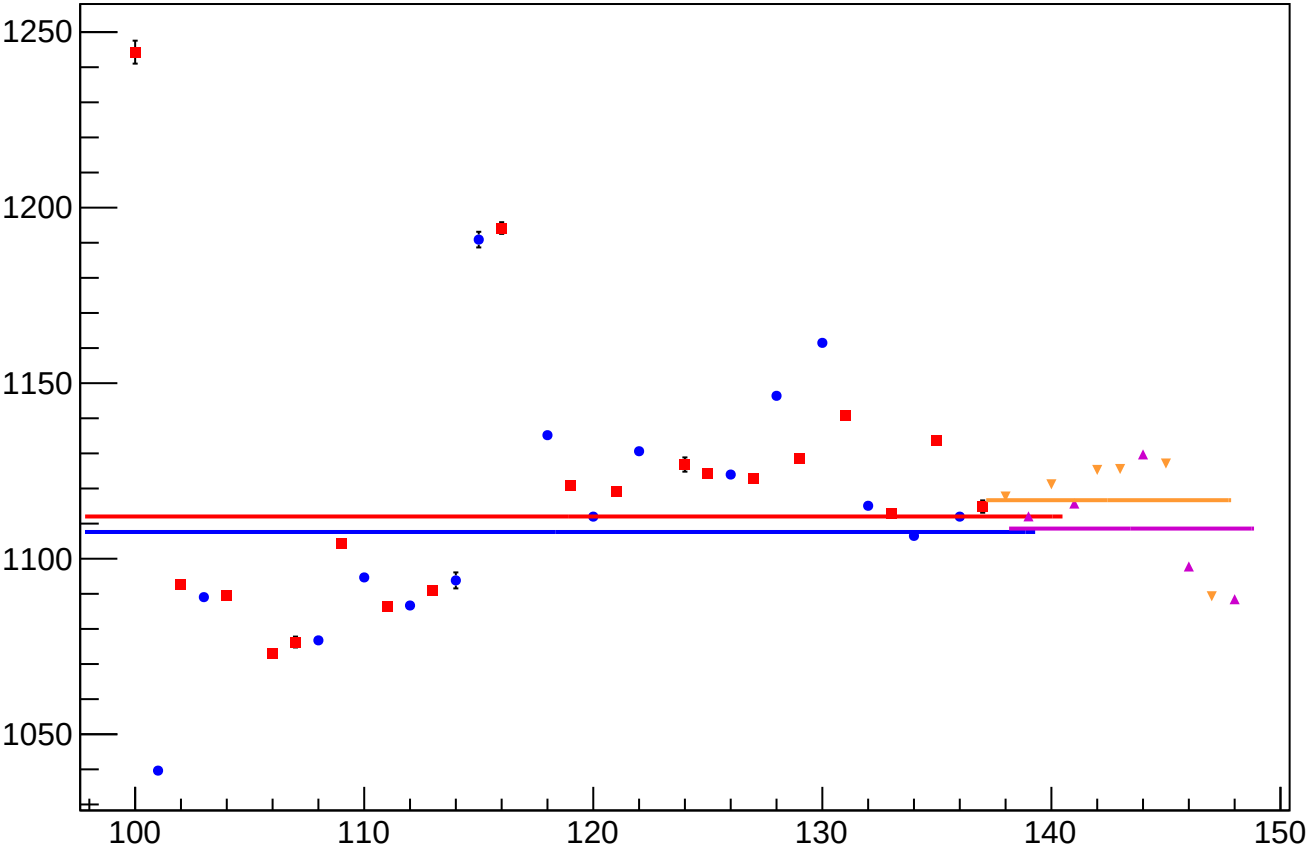
Left In: -2245.465+/-530.043 χ^2/NDF:4.5/4

+ sign 2324.589+/-323.952 χ^2/NDF: 16.9/21

All: 70.615+/-228.412 χ^2/NDF: 131.0/45

- sign -2157.729+/-322.104 χ^2/NDF: 17.9/23

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

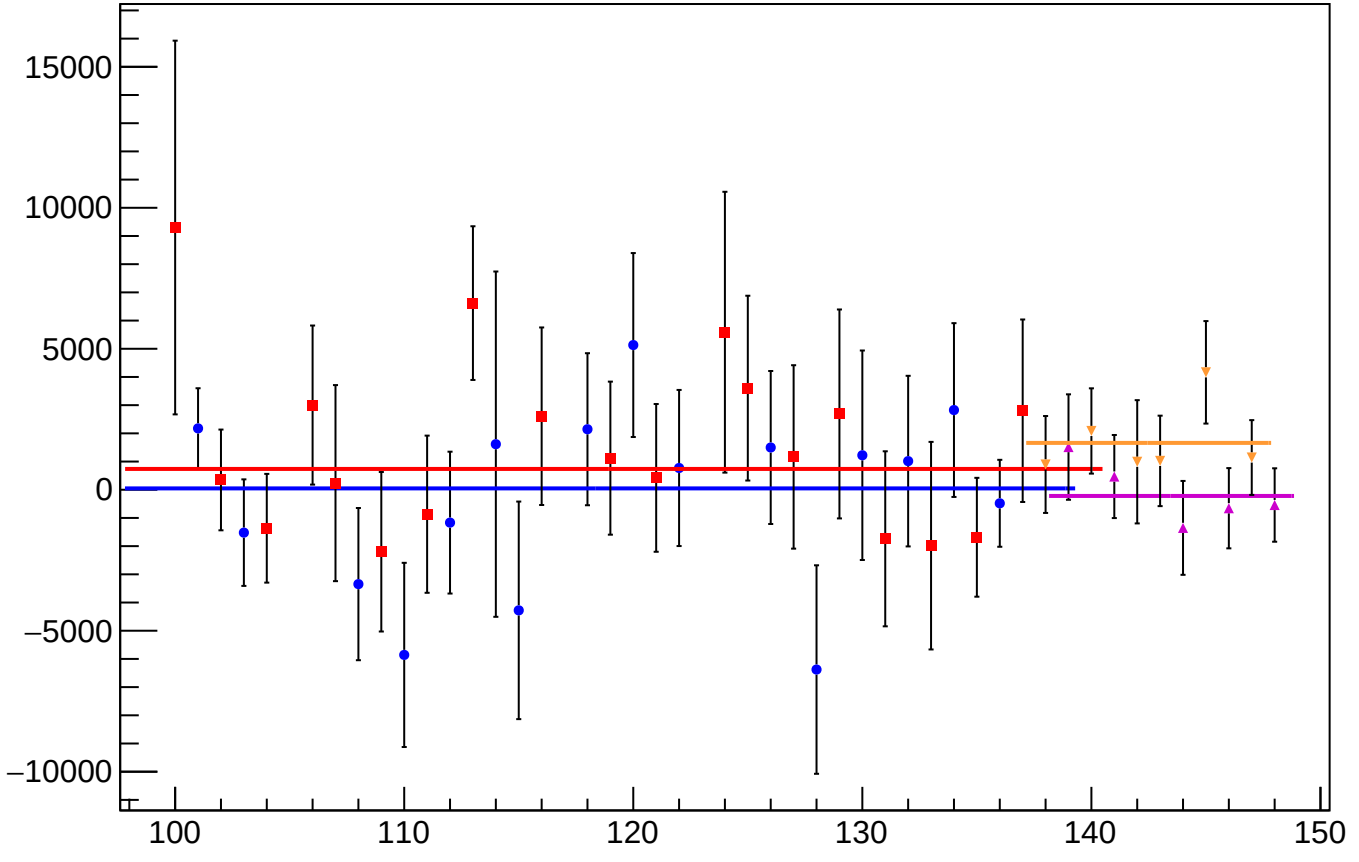
Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

+ sign 1111.058+/-0.229 χ^2/NDF: 14955.6/21

All: 1110.907+/-0.162 χ^2/NDF: 25131.5/45

- sign 1110.758+/-0.228 χ^2/NDF: 10175.0/23

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

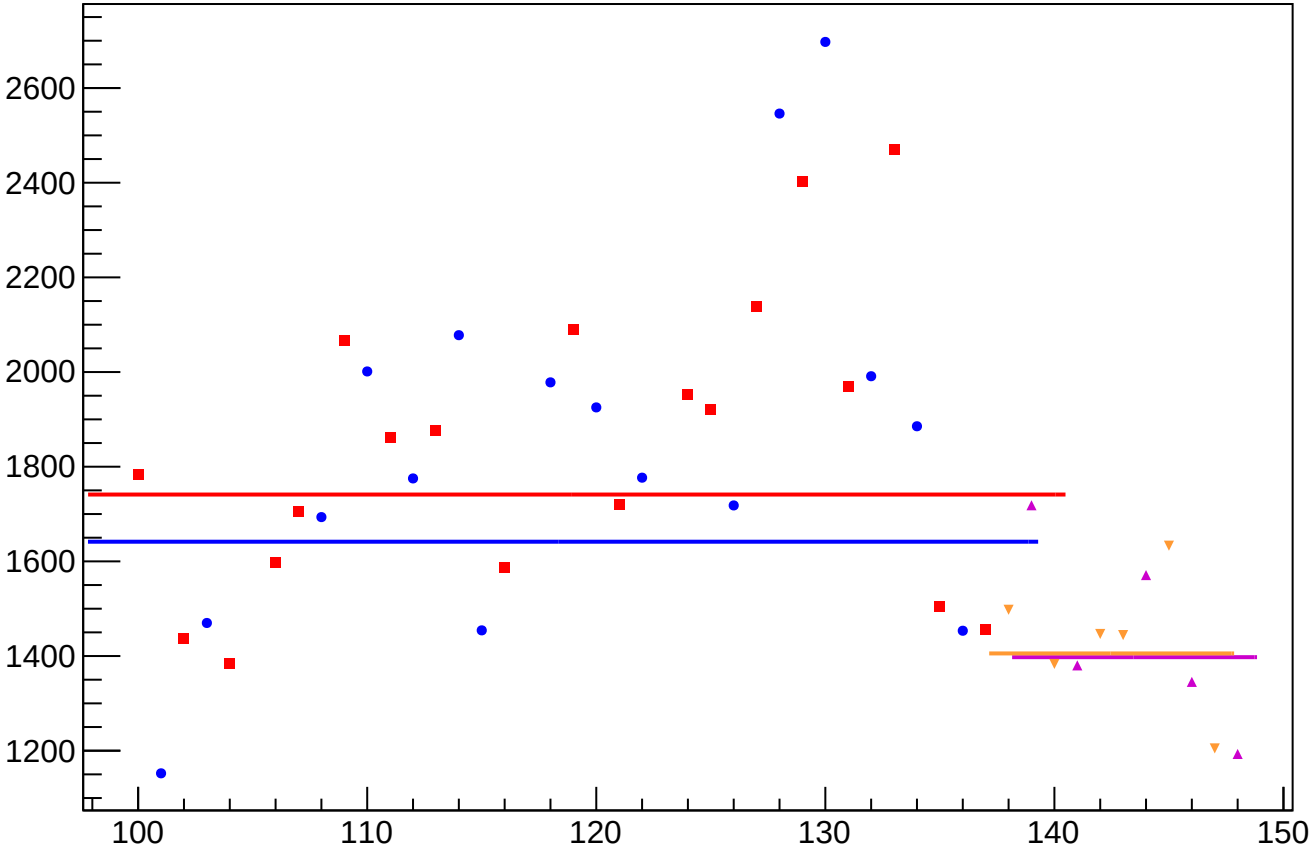
Left In: -219.815+/-675.565 χ^2/NDF:1.7/4

+ sign 805.777+/-457.384 χ^2/NDF: 22.6/21

All: 548.325+/-326.961 χ^2/NDF: 40.9/45

- sign 279.279+/-467.570 χ^2/NDF: 17.7/23

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

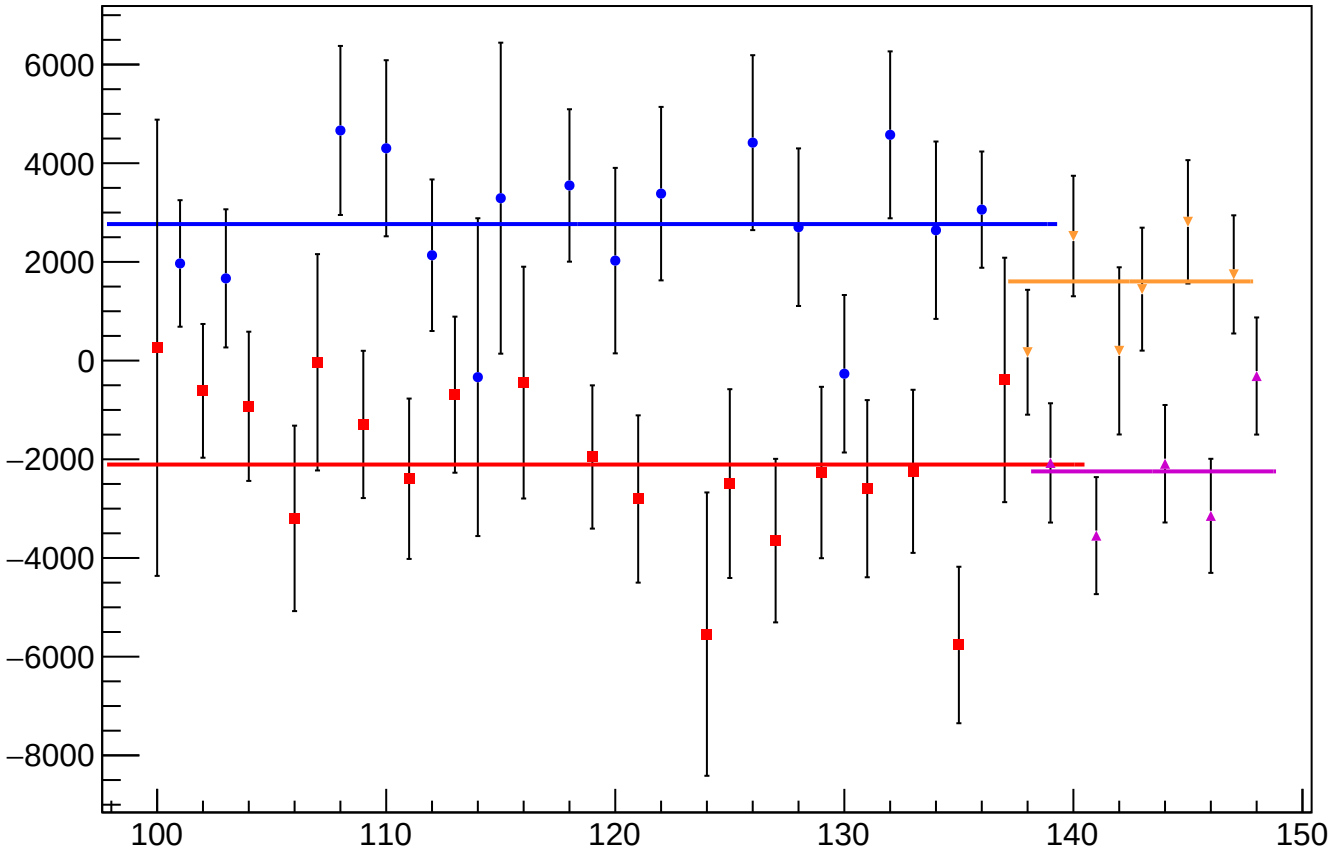
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1397.603+/-0.478 χ^2/NDF:132904.0/4

+ sign 1530.680+/-0.323 χ^2/NDF: 919218.3/21

All: 1553.138+/-0.231 χ^2/NDF: 1769853.0/45

- sign 1576.608+/-0.331 χ^2/NDF: 840773.4/23



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

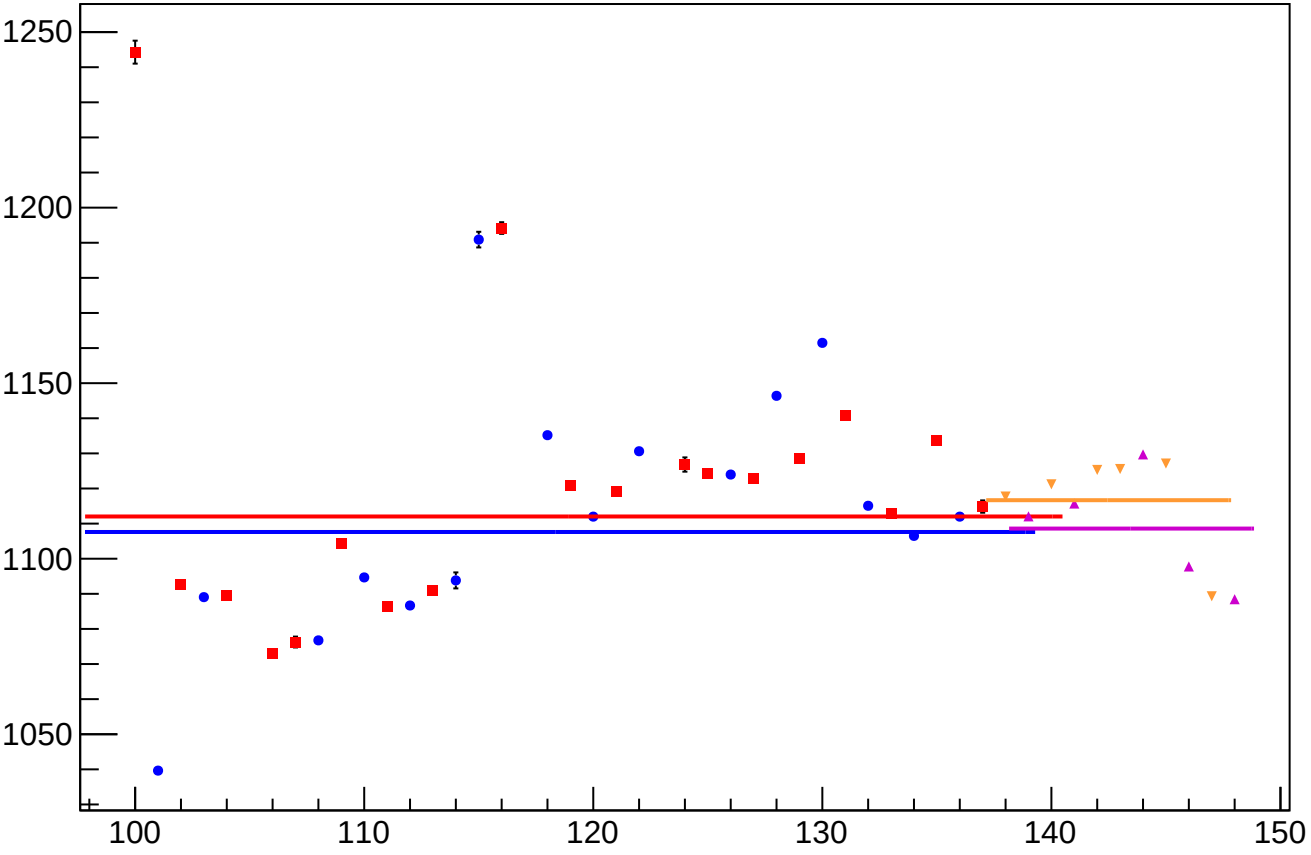
Left In: -2245.463+/-530.043 χ^2/NDF:4.5/4

+ sign 2324.589+/-323.951 χ^2/NDF: 16.9/21

All: 70.615+/-228.412 χ^2/NDF: 131.0/45

- sign -2157.730+/-322.104 χ^2/NDF: 17.9/23

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

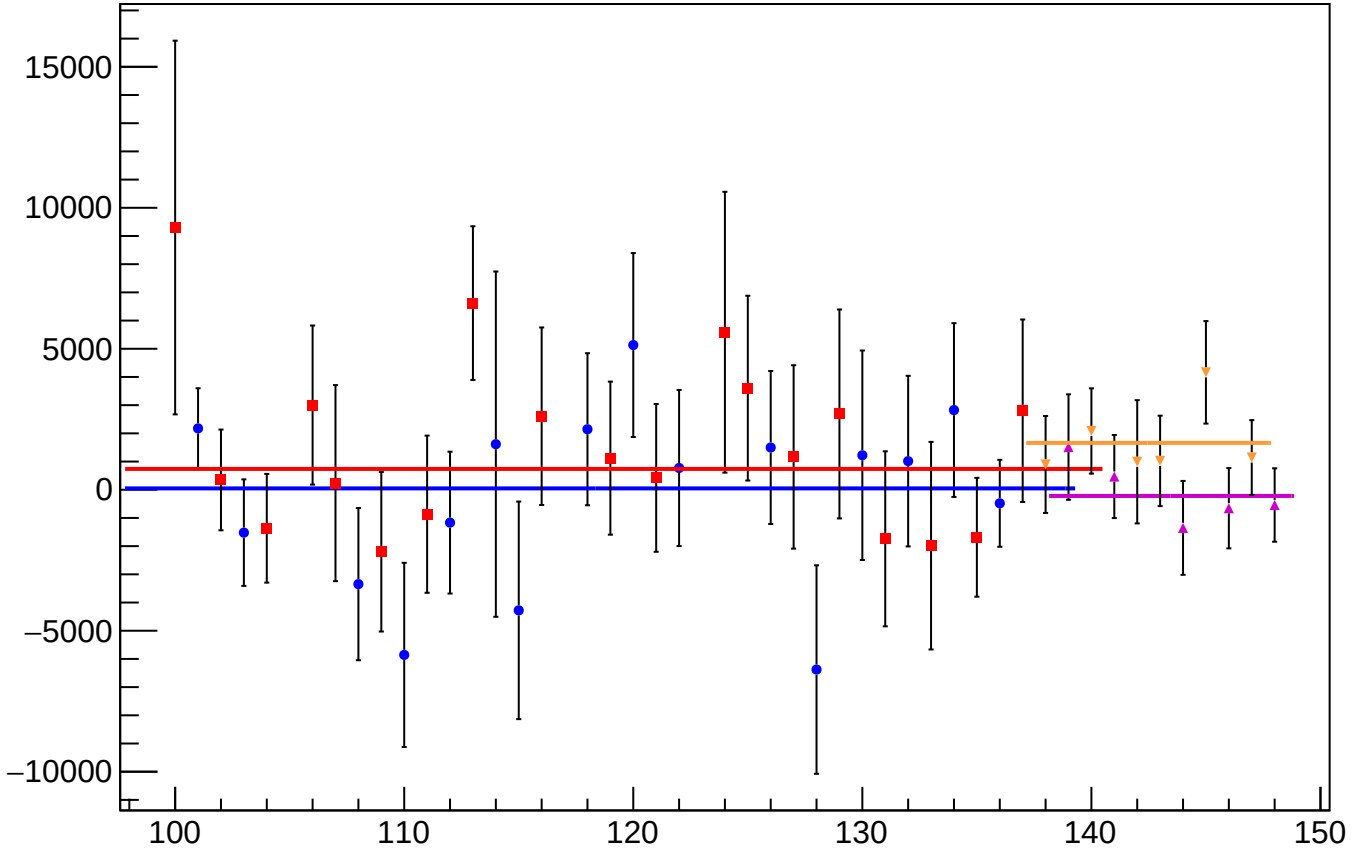
Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

+ sign 1111.058+/-0.229 χ^2/NDF: 14955.5/21

All: 1110.907+/-0.162 χ^2/NDF: 25131.4/45

- sign 1110.757+/-0.228 χ^2/NDF: 10175.0/23

asym_usr_eigen_dit_correction_mean vs Slug



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

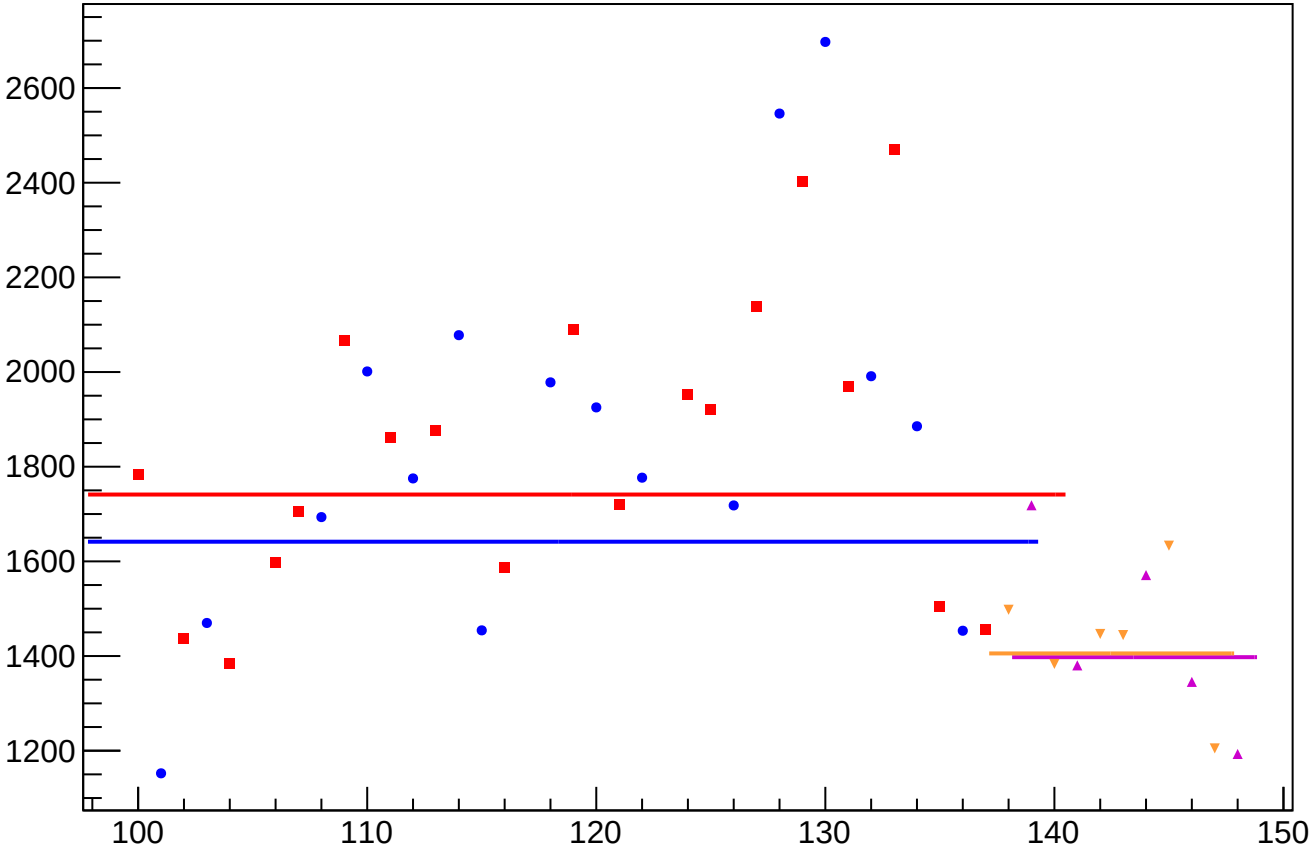
Left In: -219.815+/-675.567 χ^2/NDF:1.7/4

\+ sign 805.772+/-457.384 χ^2/NDF: 22.6/21

All: 548.324+/-326.961 χ^2/NDF: 40.9/45

\- sign 279.283+/-467.570 χ^2/NDF: 17.7/23

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

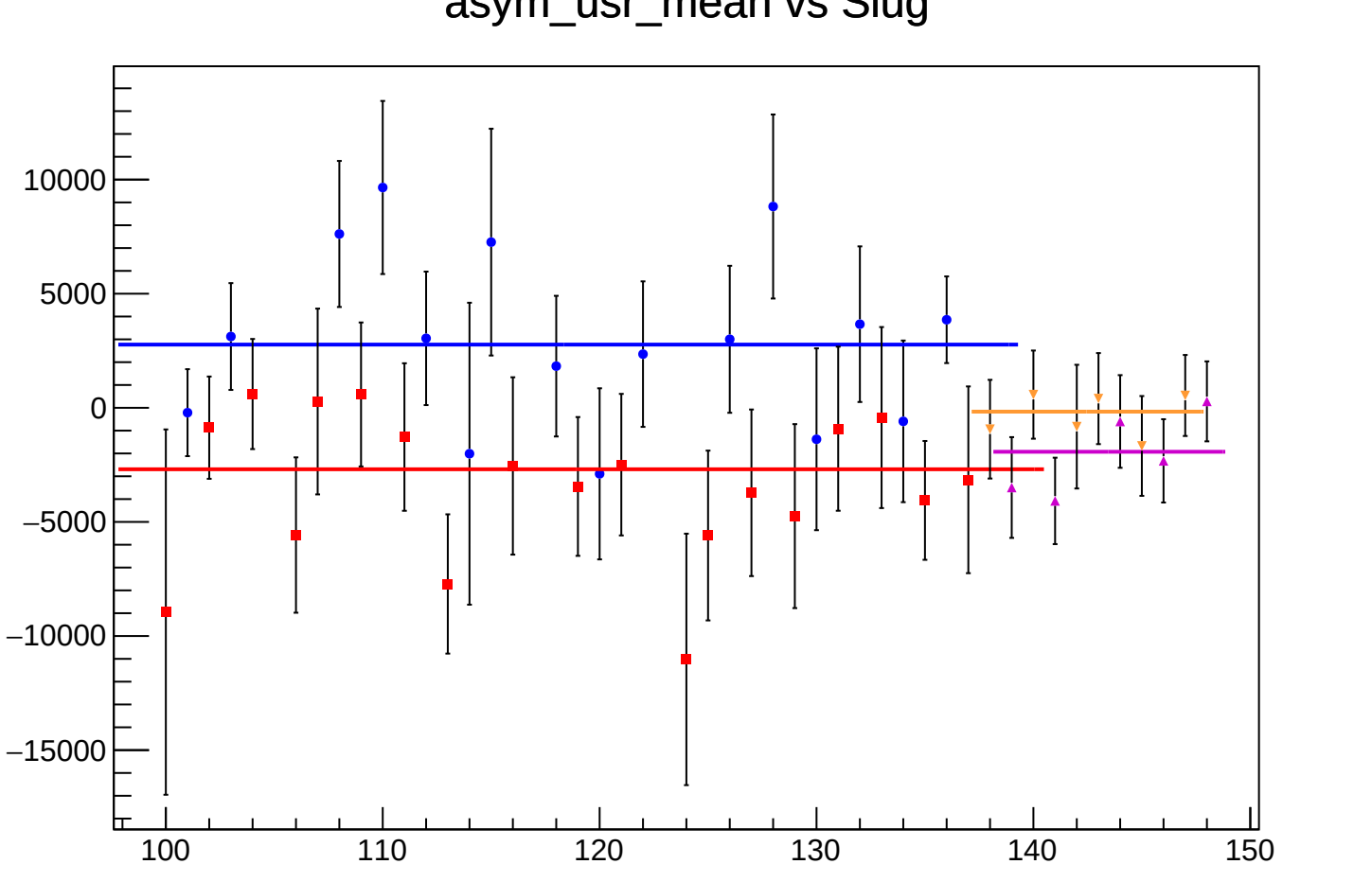
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1397.606+/-0.478 χ^2/NDF:132906.5/4

+ sign 1530.681+/-0.323 χ^2/NDF: 919201.9/21

All: 1553.139+/-0.231 χ^2/NDF: 1769820.2/45

- sign 1576.610+/-0.331 χ^2/NDF: 840756.9/23



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

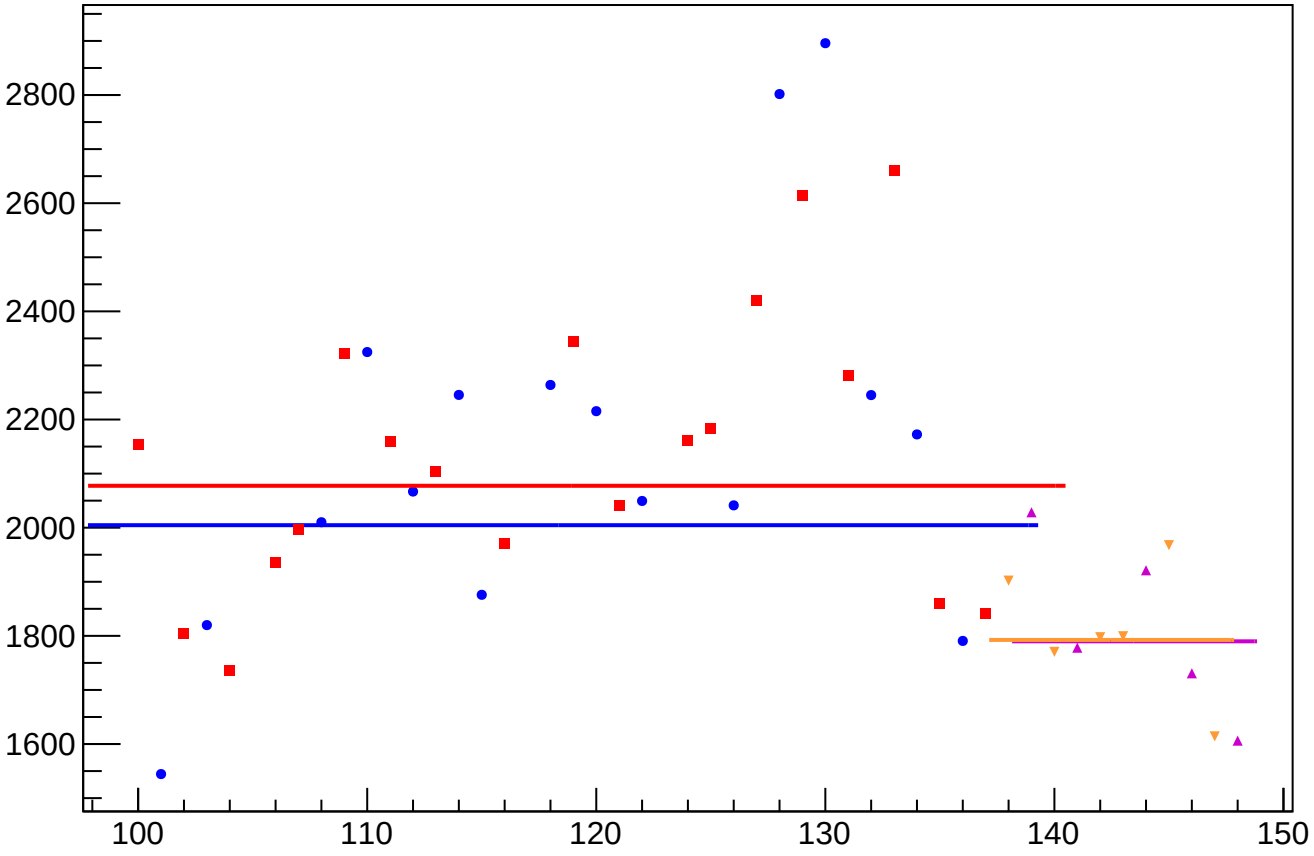
Left In: -1926.366+/-859.775 χ^2/NDF:3.9/4

+ sign 1464.150+/-564.303 χ^2/NDF: 24.2/21

All: -419.458+/-401.658 χ^2/NDF: 63.6/45

- sign -2353.668+/-571.833 χ^2/NDF: 16.8/23

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

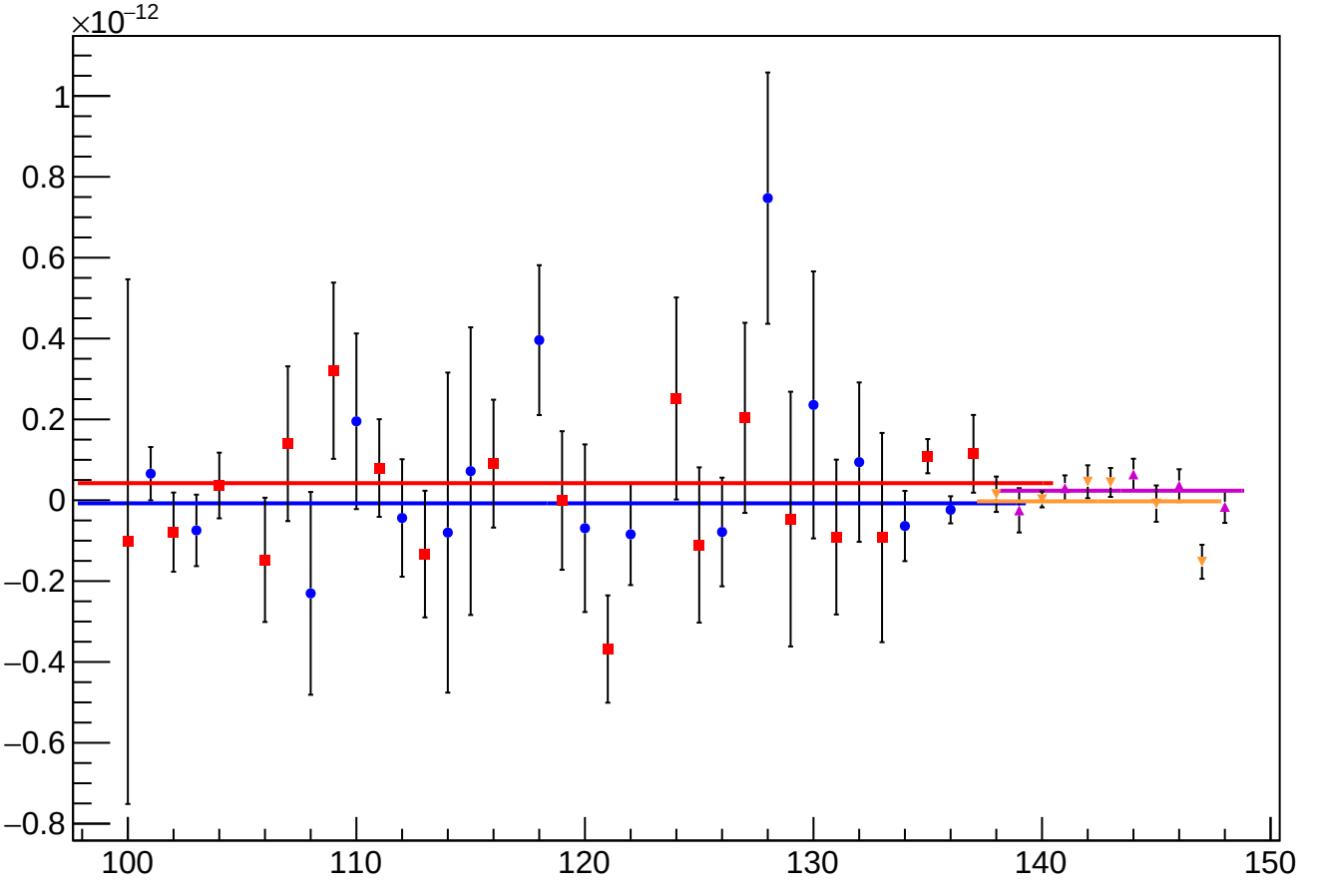
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1789.890+/-0.608 χ^2/NDF:55891.1/4

+ sign 1910.338+/-0.399 χ^2/NDF: 495828.9/21

All: 1930.042+/-0.284 χ^2/NDF: 911948.0/45

- sign 1950.275+/-0.404 χ^2/NDF: 411176.9/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/5

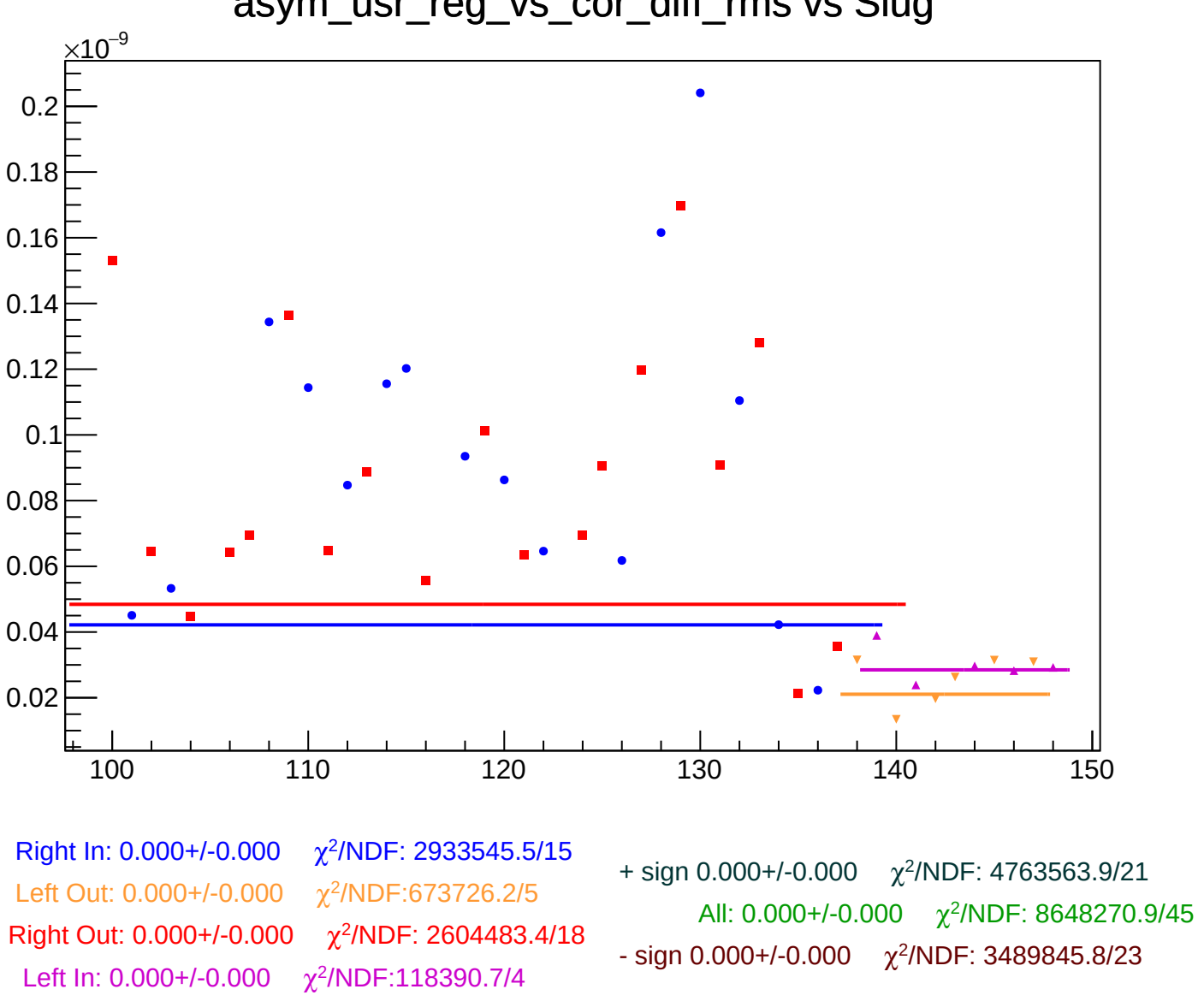
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

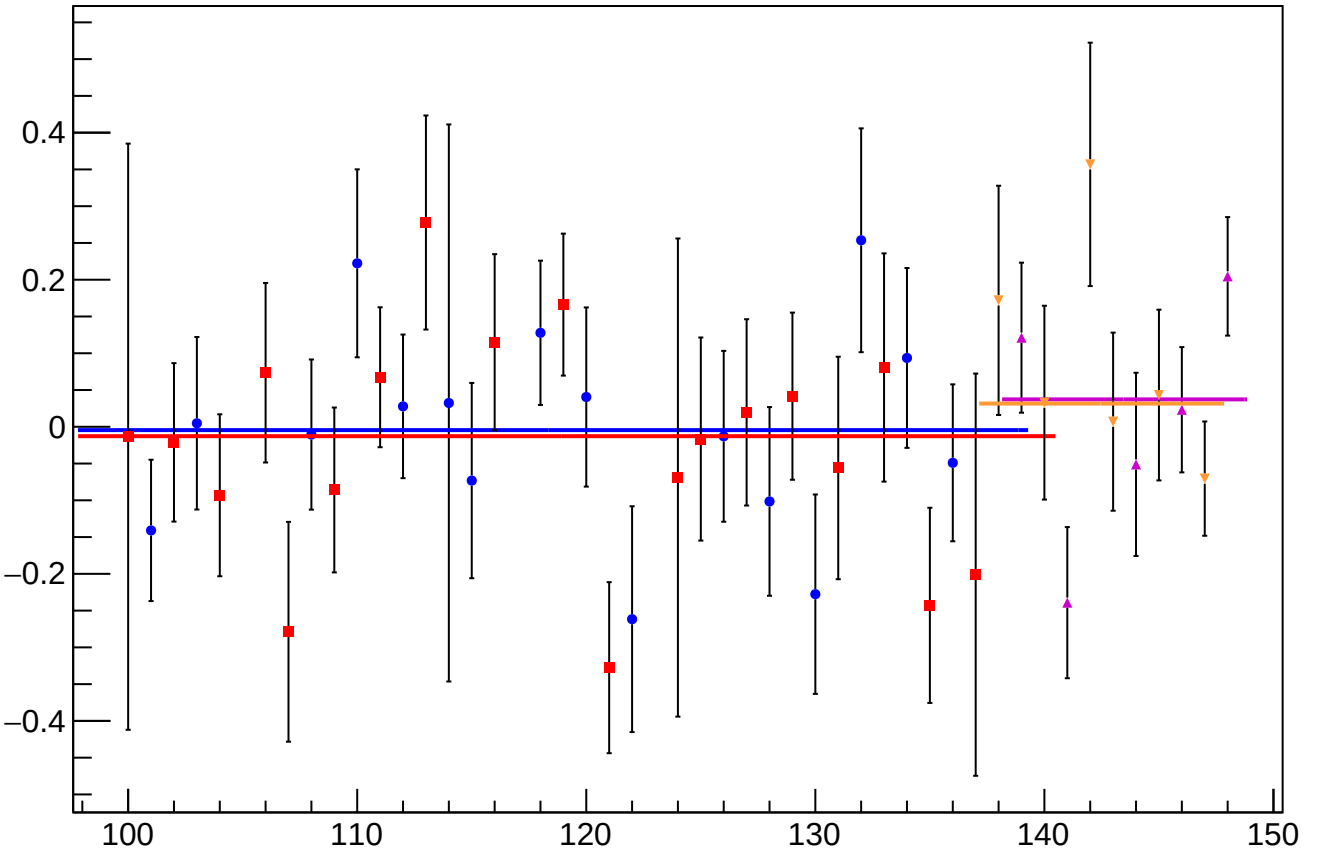
Left In: 0.000+/-0.000 χ^2/NDF:3.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 60.7/45

- sign 0.000+/-0.000 χ^2/NDF: 25.1/23


asym_usr_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:673726.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:118390.7/4
+ sign 0.000+/-0.000 χ²/NDF: 4763563.9/21
All: 0.000+/-0.000 χ²/NDF: 8648270.9/45
- sign 0.000+/-0.000 χ²/NDF: 3489845.8/23



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

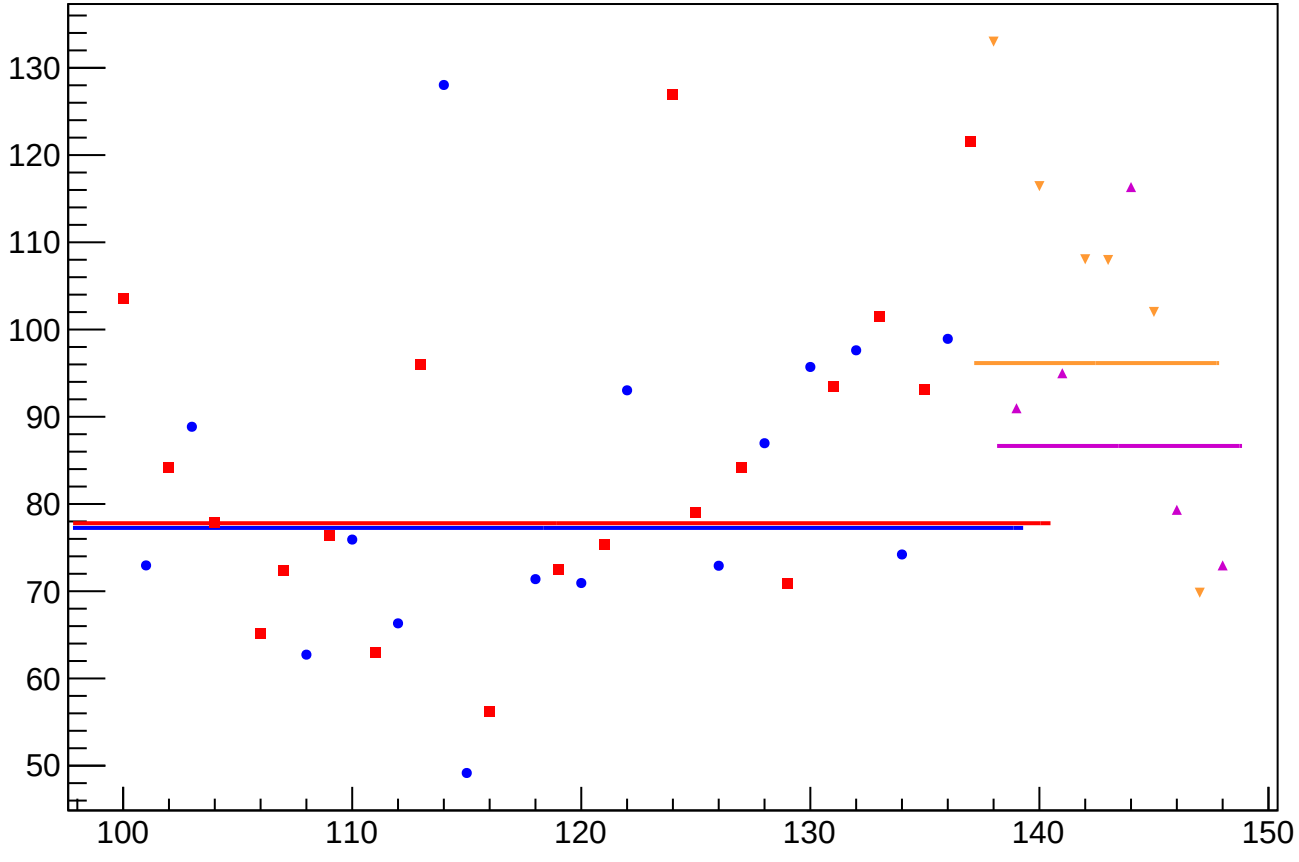
Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: 0.005+/-0.018 χ^2/NDF: 63.3/45

- sign 0.004+/-0.024 χ^2/NDF: 39.1/23

asym_usr_dit_vs_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

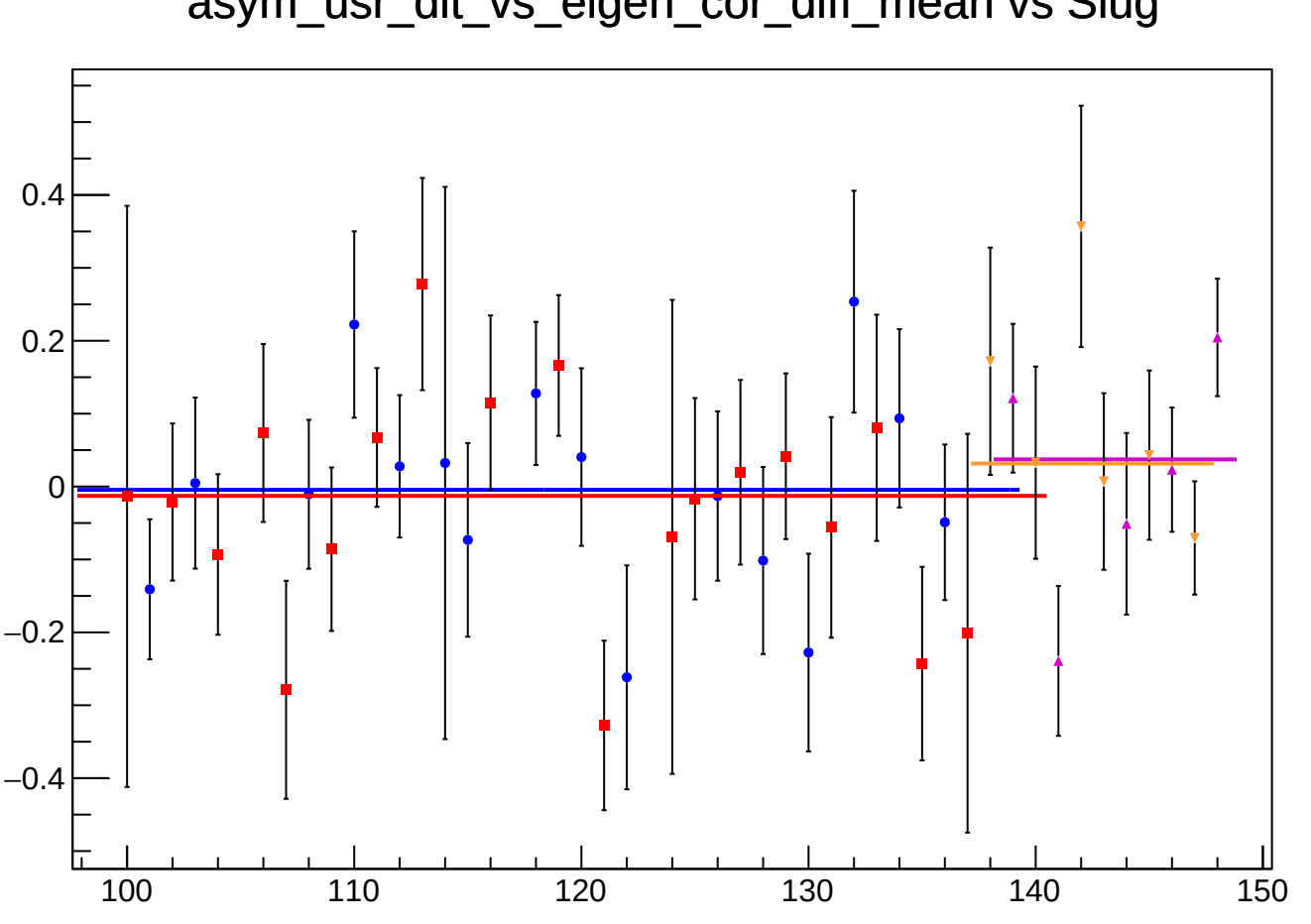
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

+ sign 82.659+/-0.018 χ^2/NDF: 1068324.3/21

All: 81.631+/-0.012 χ^2/NDF: 1731636.8/45

- sign 80.682+/-0.017 χ^2/NDF: 657009.0/23



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

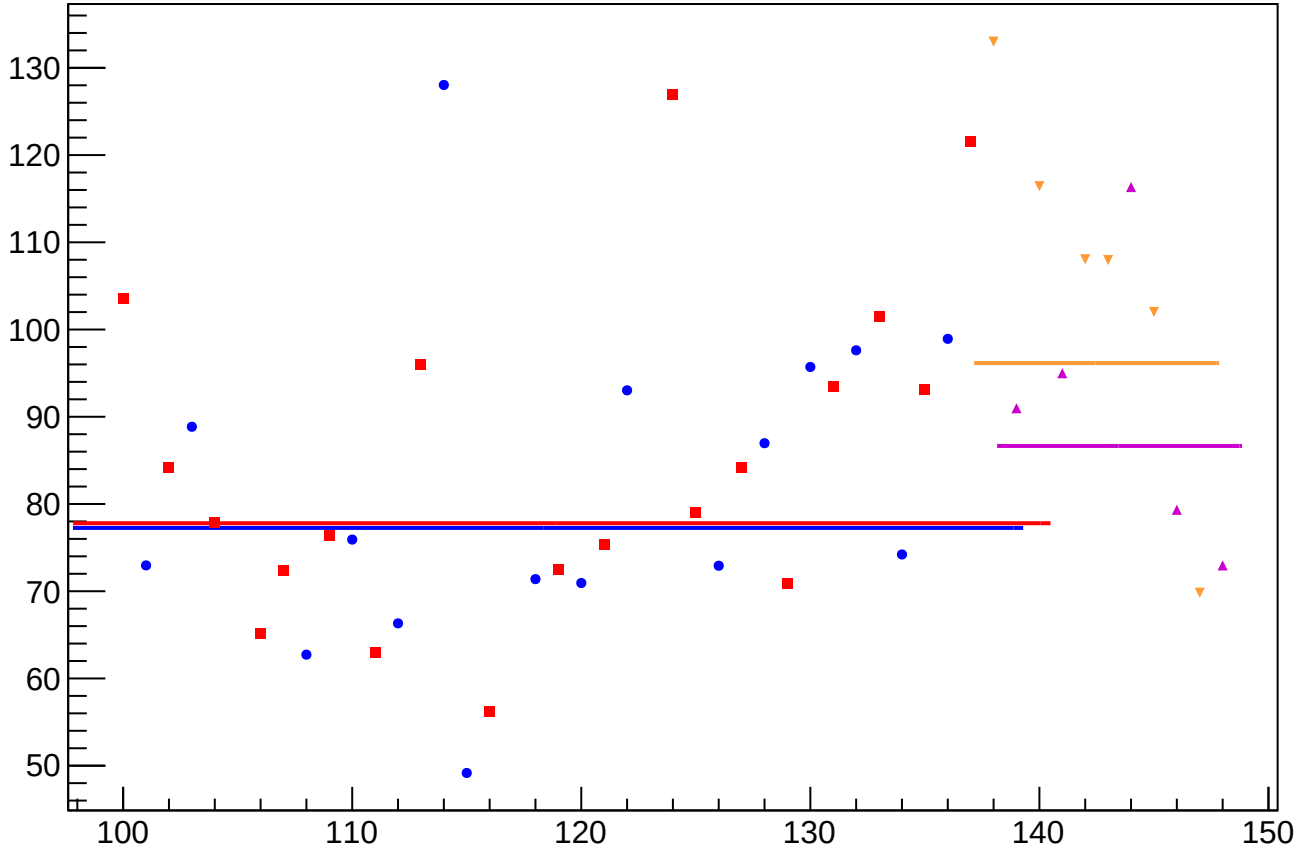
Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: 0.005+/-0.018 χ^2/NDF: 63.3/45

- sign 0.004+/-0.024 χ^2/NDF: 39.1/23

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

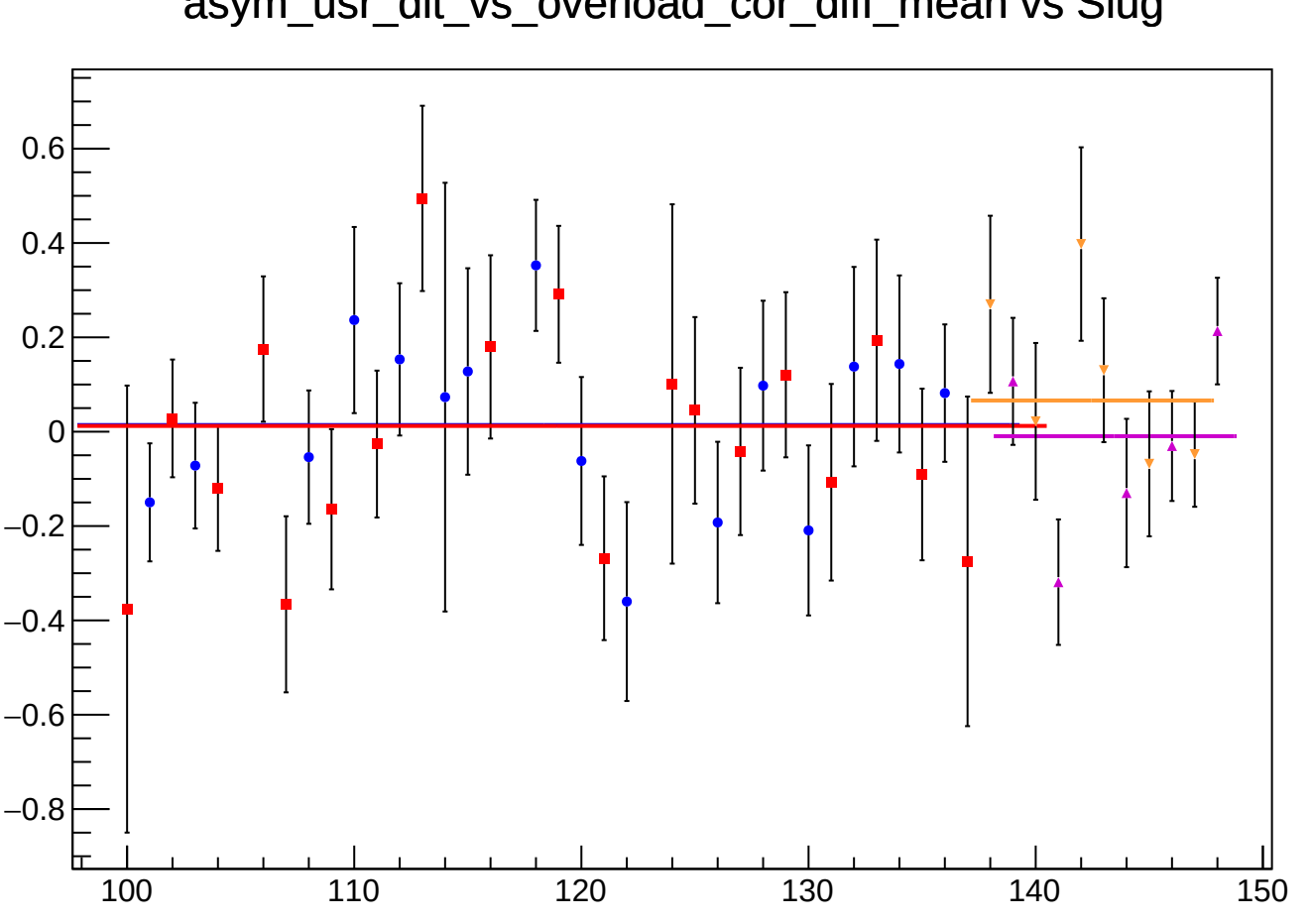
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

+ sign 82.659+/-0.018 χ^2/NDF: 1068324.3/21

All: 81.631+/-0.012 χ^2/NDF: 1731636.8/45

- sign 80.682+/-0.017 χ^2/NDF: 657009.0/23



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

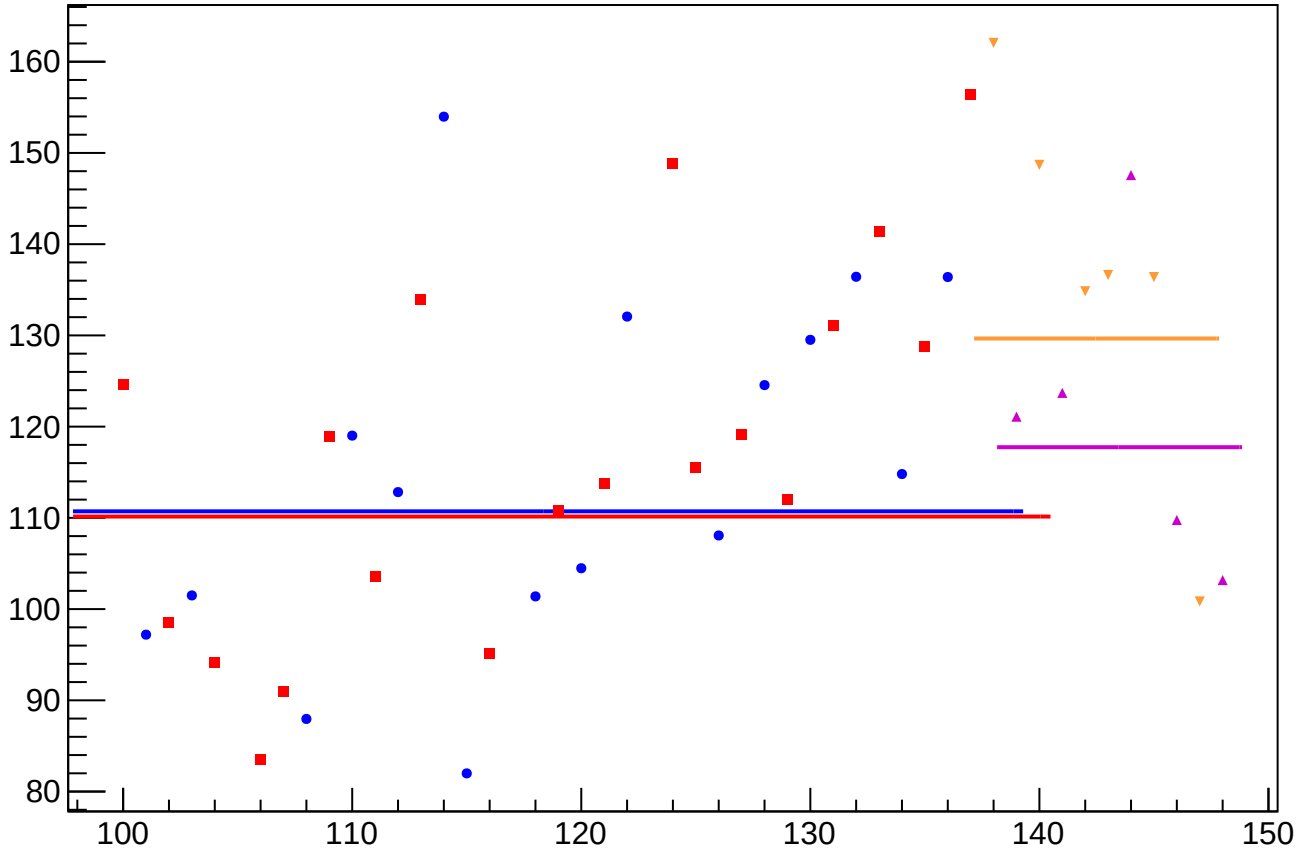
Left In: -0.010+/-0.057 χ^2/NDF:10.7/4

+ sign 0.030+/-0.035 χ^2/NDF: 24.5/21

All: 0.017+/-0.024 χ^2/NDF: 59.3/45

- sign 0.005+/-0.034 χ^2/NDF: 34.5/23

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

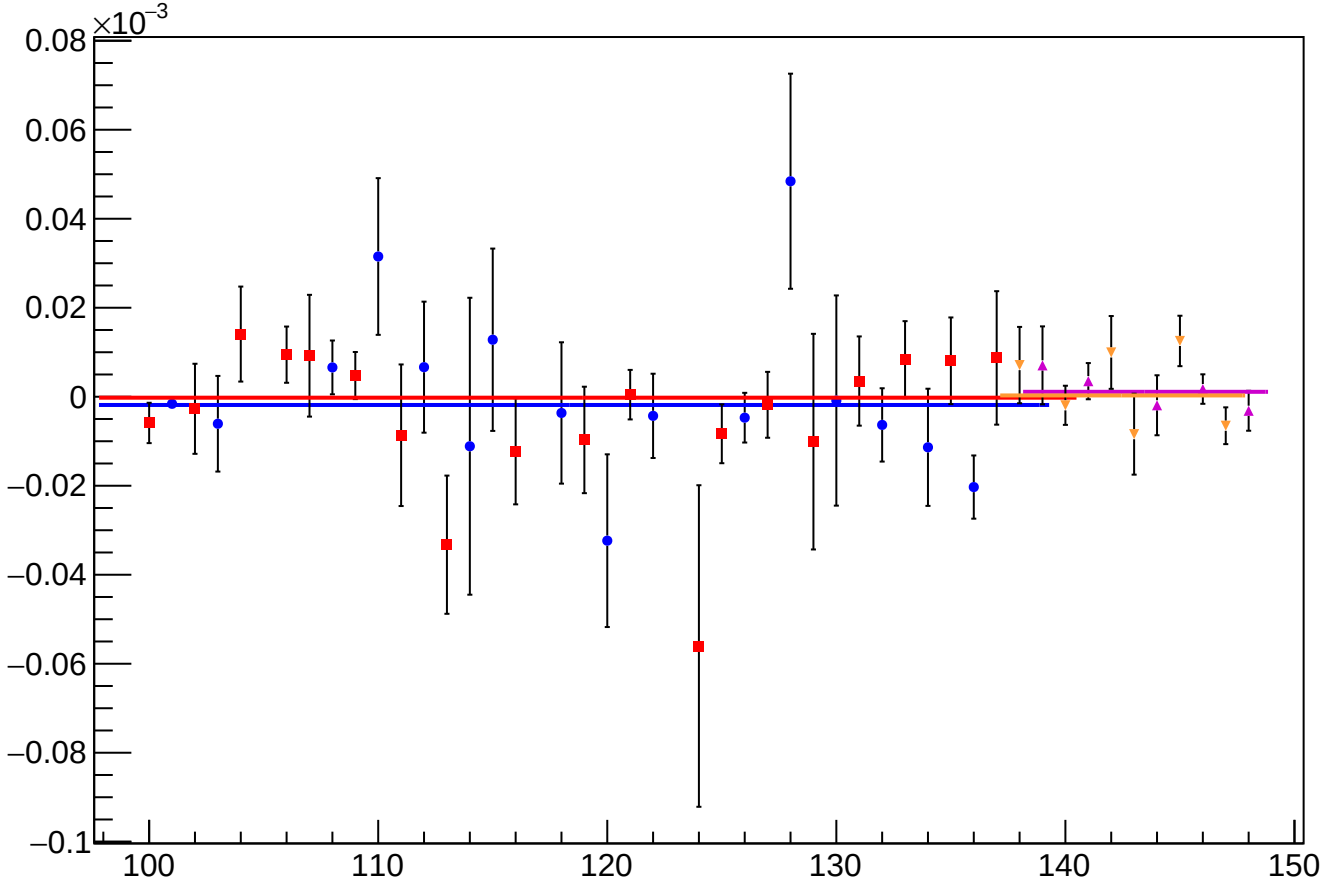
Left In: 117.746+/-0.041 χ^2/NDF:119828.2/4

+ sign 116.630+/-0.025 χ^2/NDF: 654062.5/21

All: 114.599+/-0.017 χ^2/NDF: 1136599.9/45

- sign 112.741+/-0.024 χ^2/NDF: 469684.1/23

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

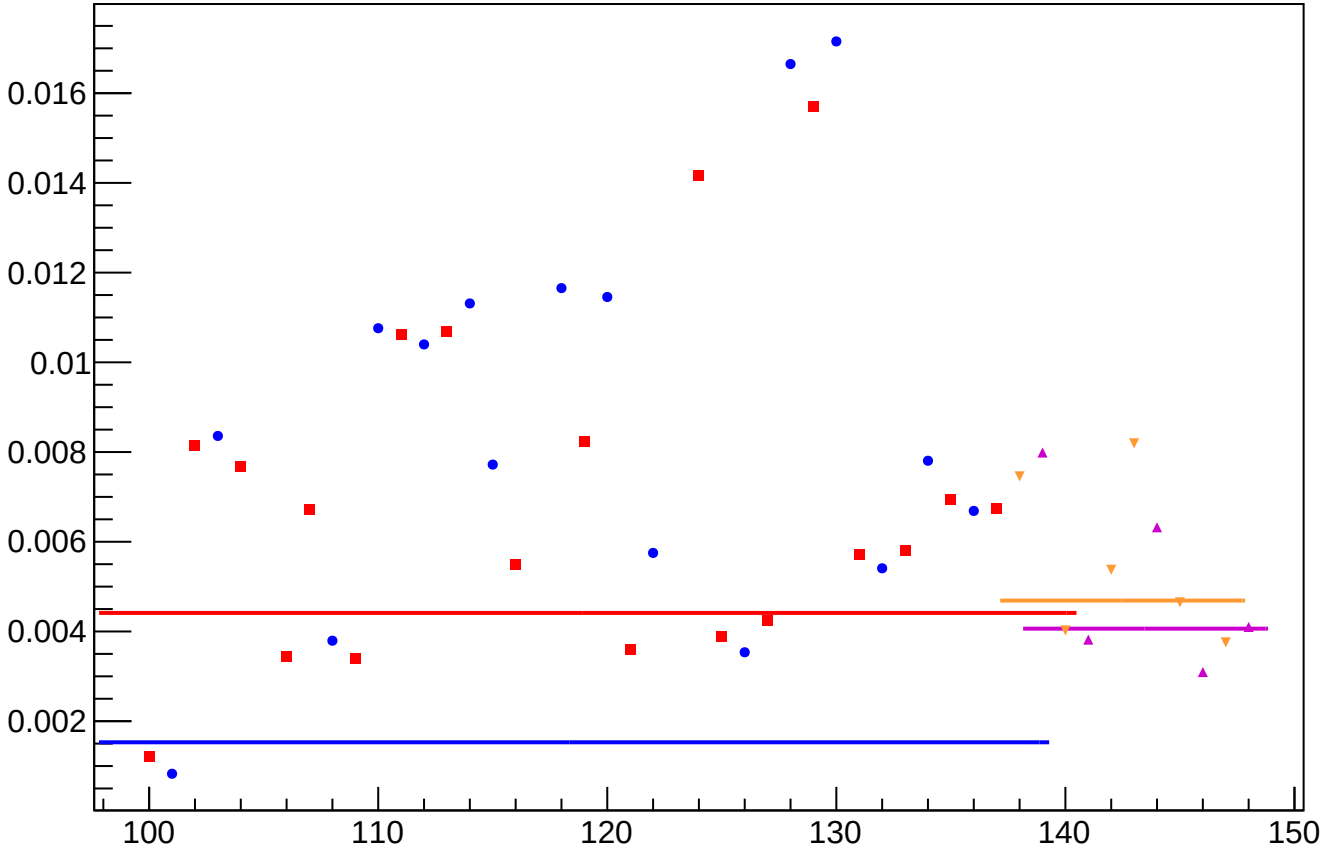
Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/21

All: -0.000+/-0.000 χ^2/NDF: 56.1/45

- sign 0.000+/-0.000 χ^2/NDF: 22.1/23

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

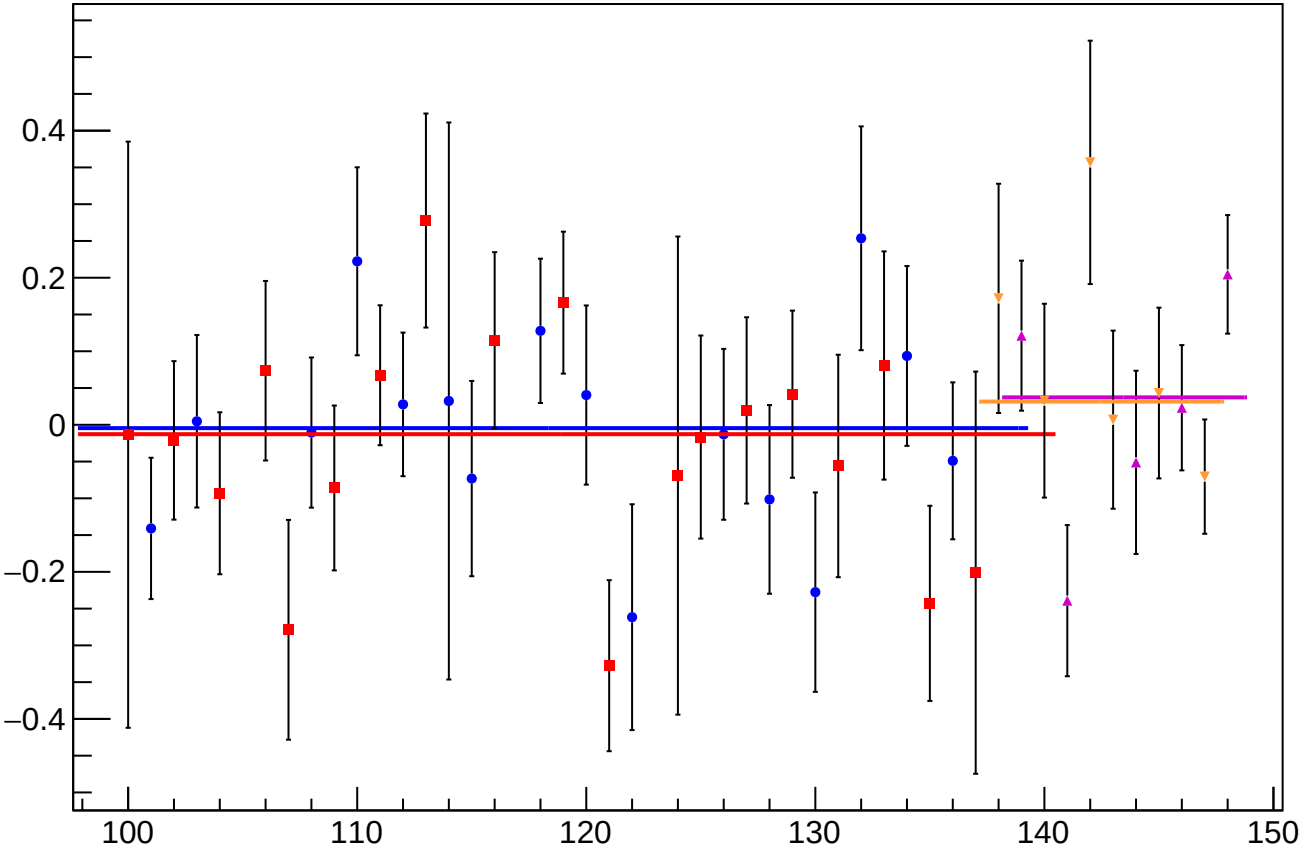
Left In: 0.004+/-0.000 χ^2/NDF:804166.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 12990464.0/21

All: 0.003+/-0.000 χ^2/NDF: 20868821.3/45

- sign 0.004+/-0.000 χ^2/NDF: 4223169.3/23

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

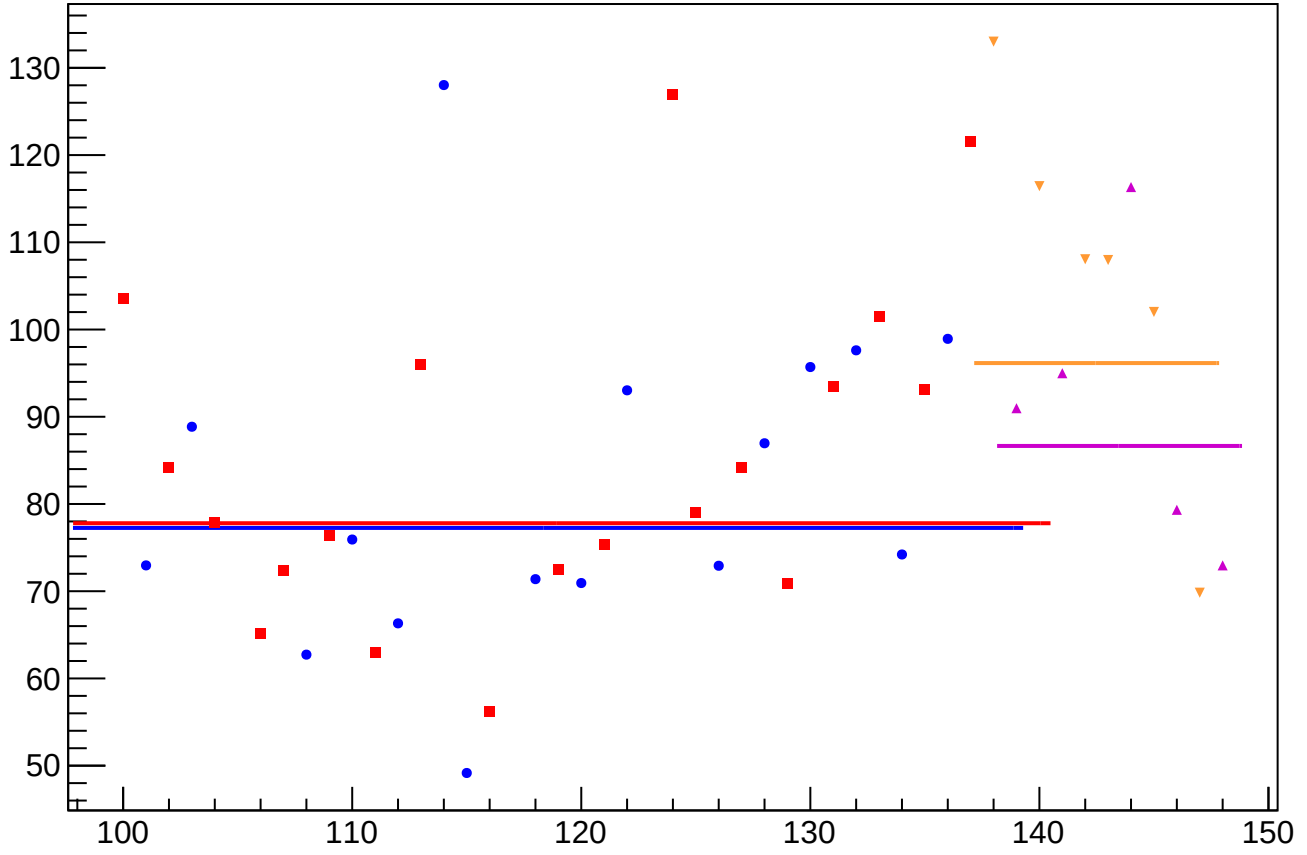
Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: 0.005+/-0.018 χ^2/NDF: 63.3/45

- sign 0.004+/-0.024 χ^2/NDF: 39.1/23

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

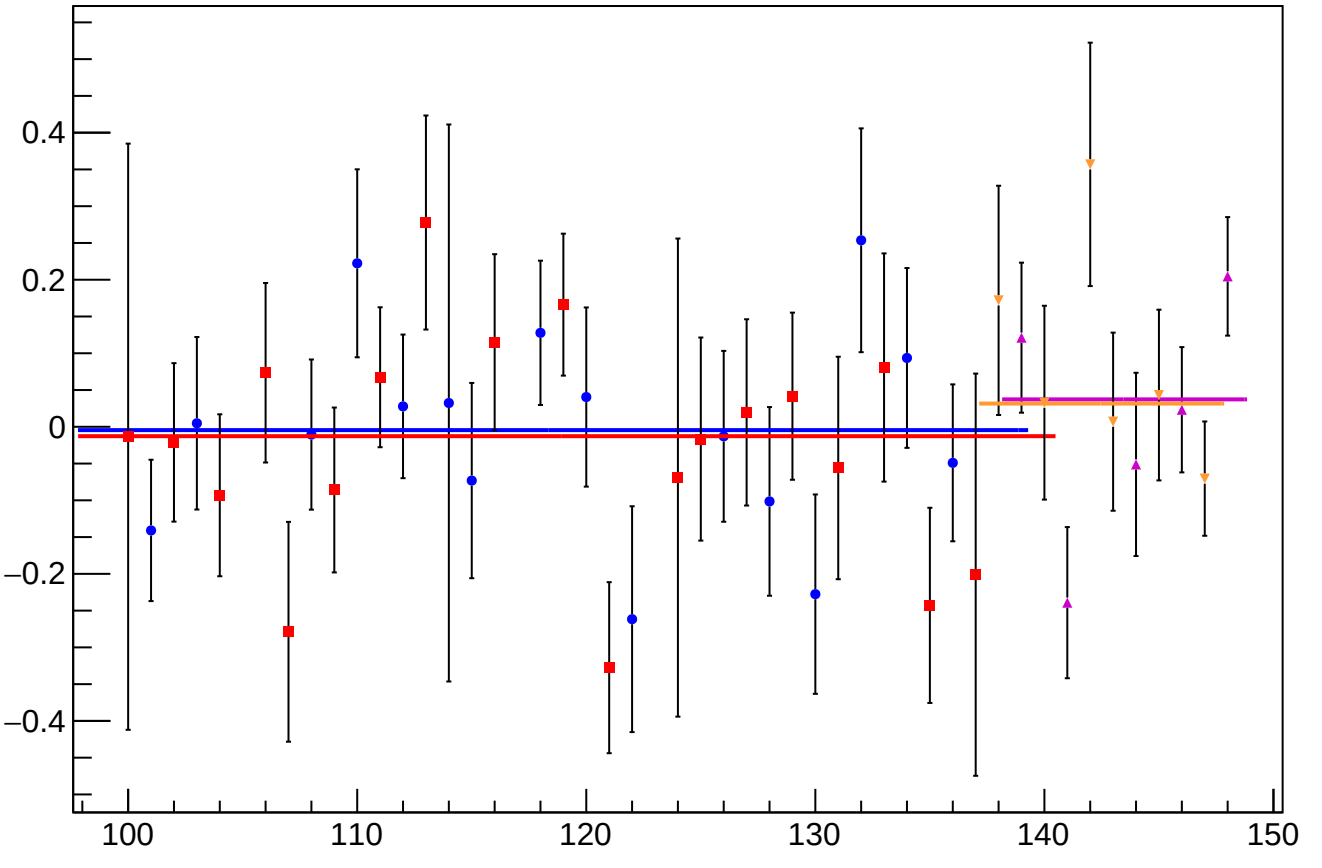
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

+ sign 82.658+/-0.018 χ^2/NDF: 1068364.3/21

All: 81.630+/-0.012 χ^2/NDF: 1731701.9/45

- sign 80.681+/-0.017 χ^2/NDF: 657034.8/23



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

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

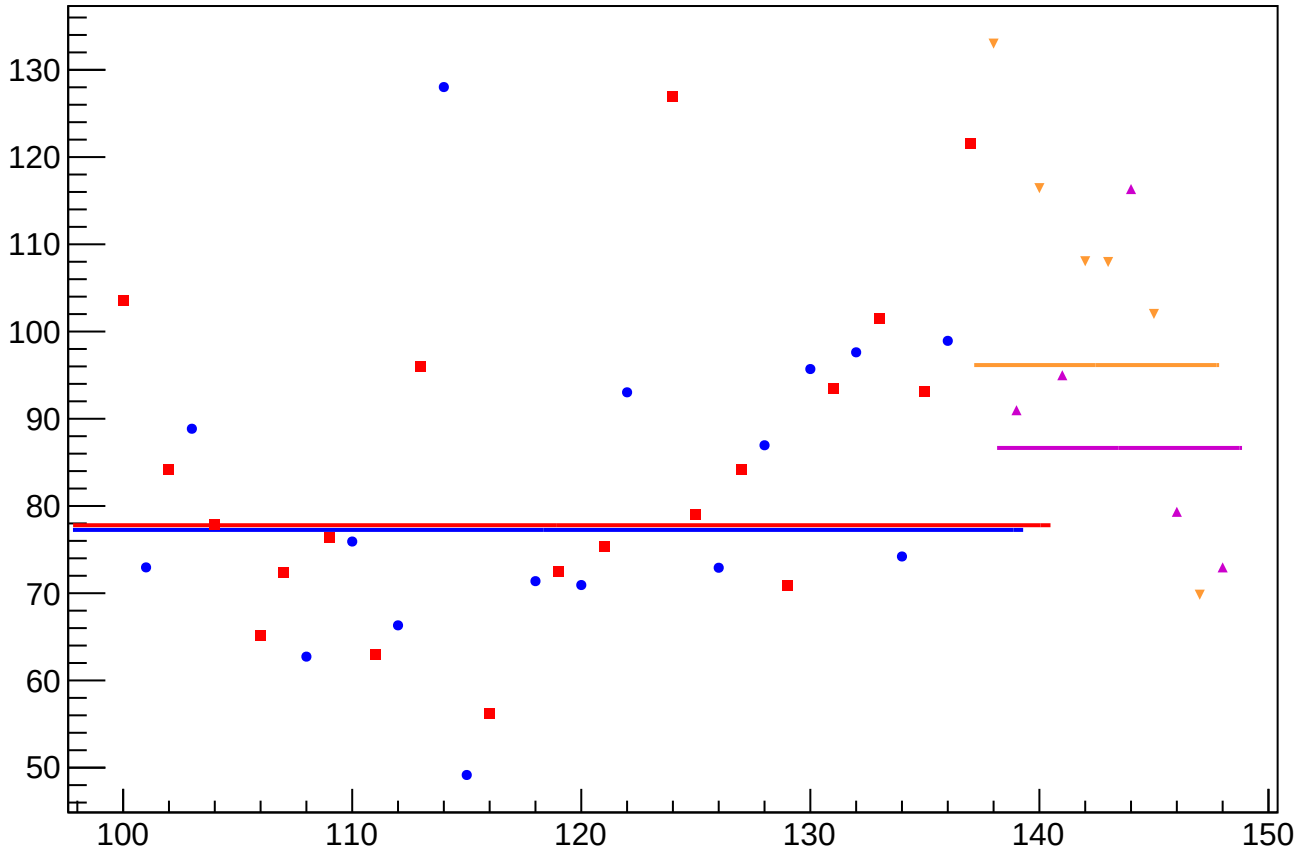
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.006+/-0.025 χ^2/NDF: 24.2/21

All: 0.005+/-0.018 χ^2/NDF: 63.3/45

- sign 0.004+/-0.024 χ^2/NDF: 39.1/23



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

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

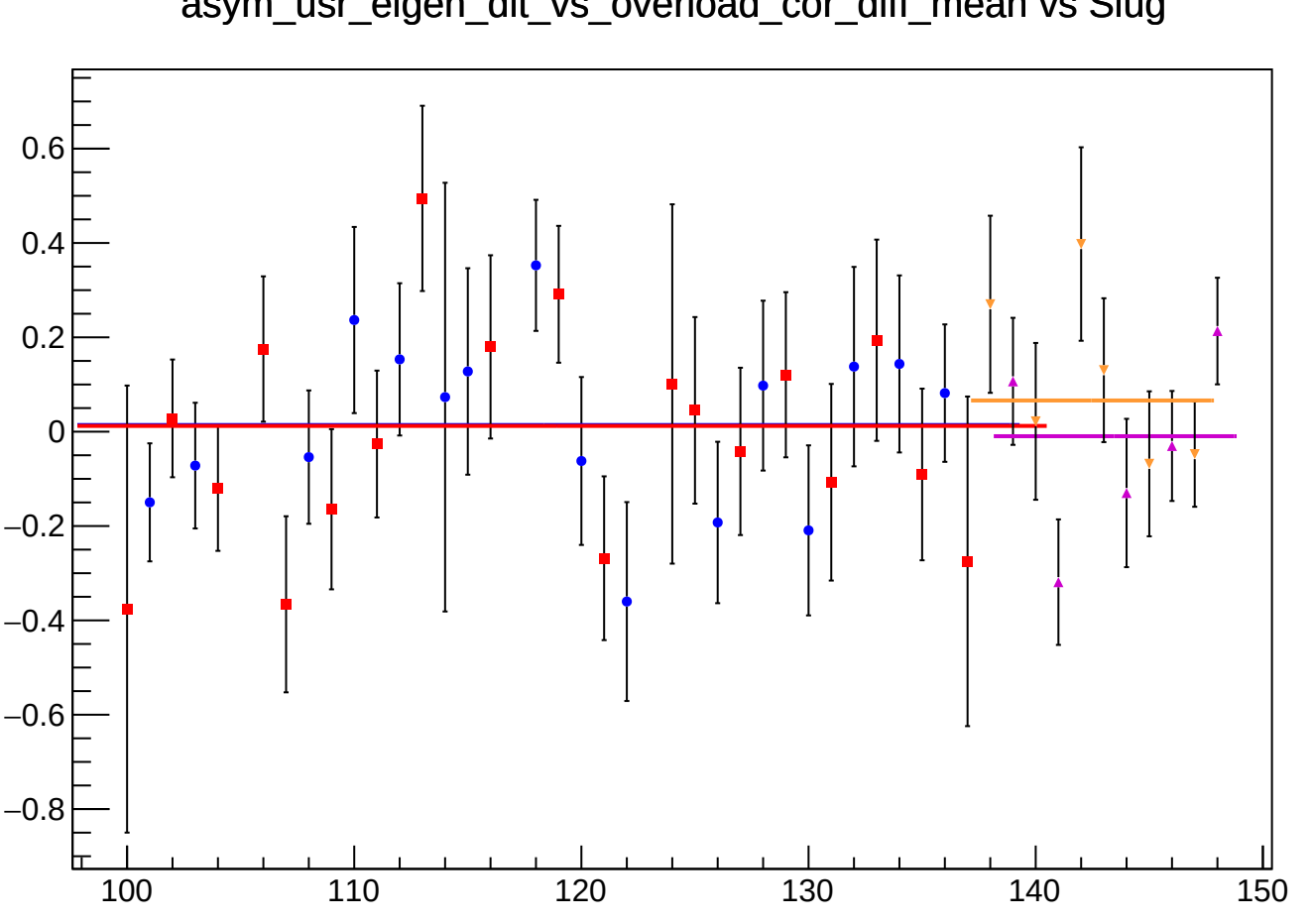
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

+ sign 82.658+/-0.018 χ^2/NDF: 1068364.3/21

All: 81.630+/-0.012 χ^2/NDF: 1731701.9/45

- sign 80.681+/-0.017 χ^2/NDF: 657034.8/23



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

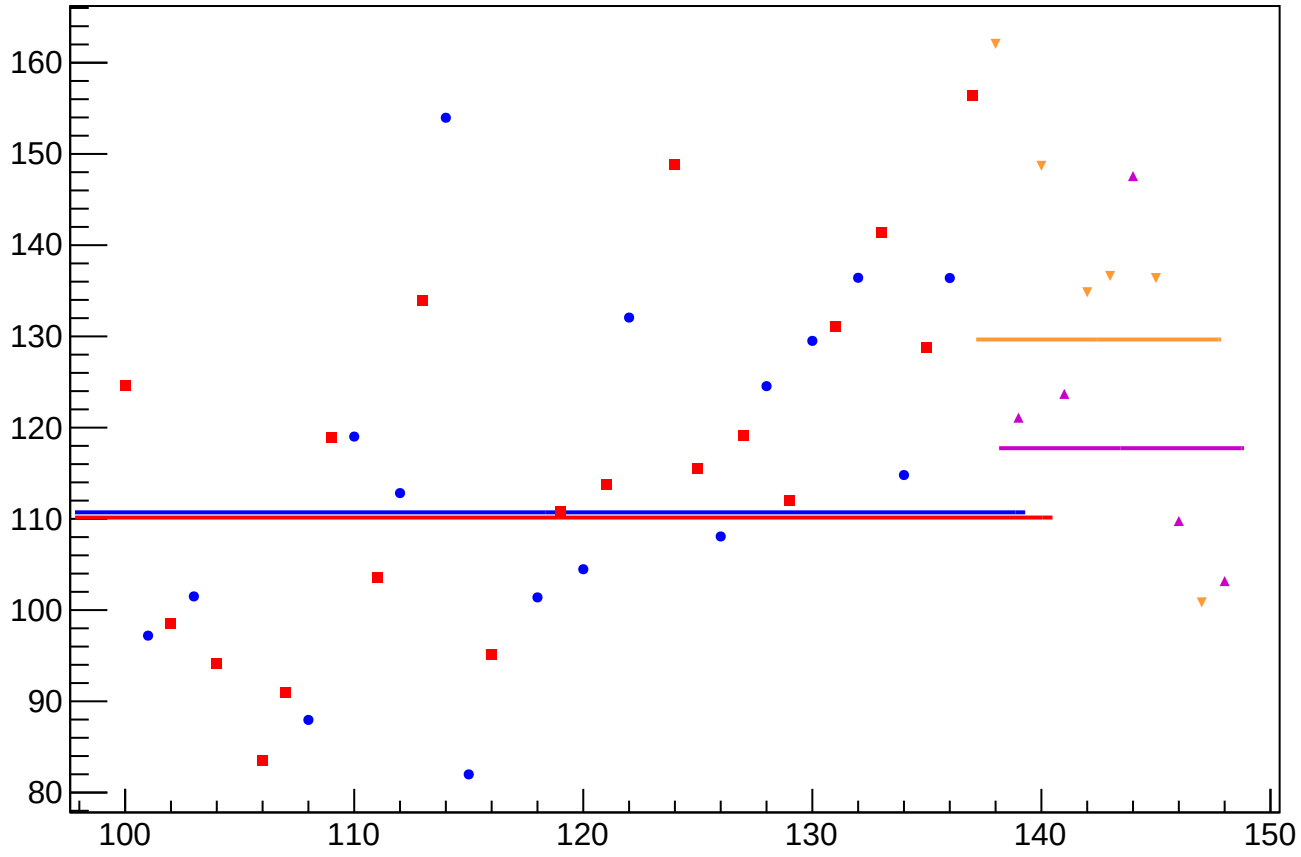
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.010+/-0.057 χ^2/NDF:10.7/4

+ sign 0.030+/-0.035 χ^2/NDF: 24.5/21

All: 0.017+/-0.024 χ^2/NDF: 59.3/45

- sign 0.005+/-0.034 χ^2/NDF: 34.5/23



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

Left Out: 129.659+/-0.044 χ^2/NDF:228659.4/5

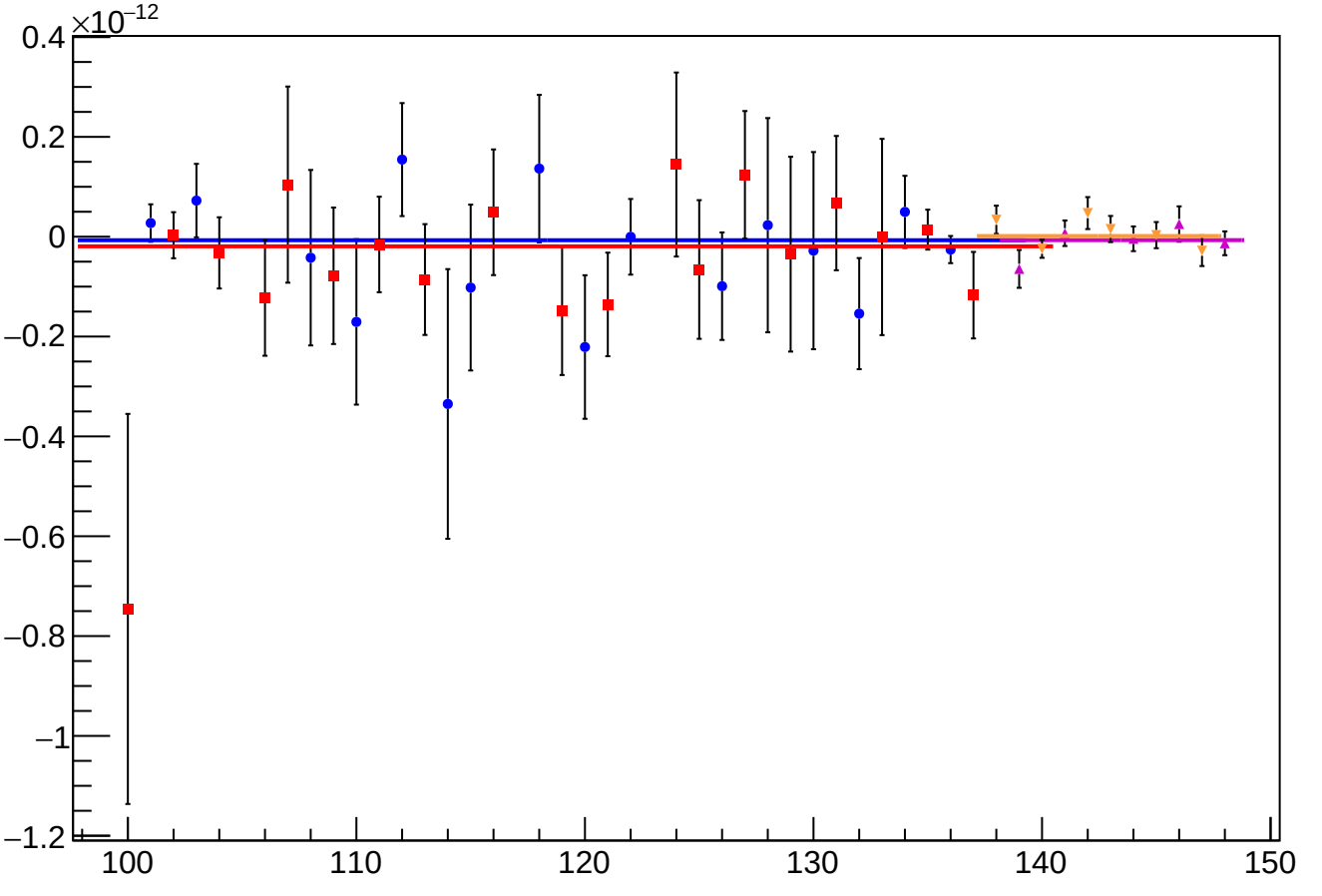
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 117.746+/-0.041 χ^2/NDF:119831.5/4

+ sign 116.629+/-0.025 χ^2/NDF: 654054.7/21

All: 114.598+/-0.017 χ^2/NDF: 1136570.3/45

- sign 112.741+/-0.024 χ^2/NDF: 469663.2/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

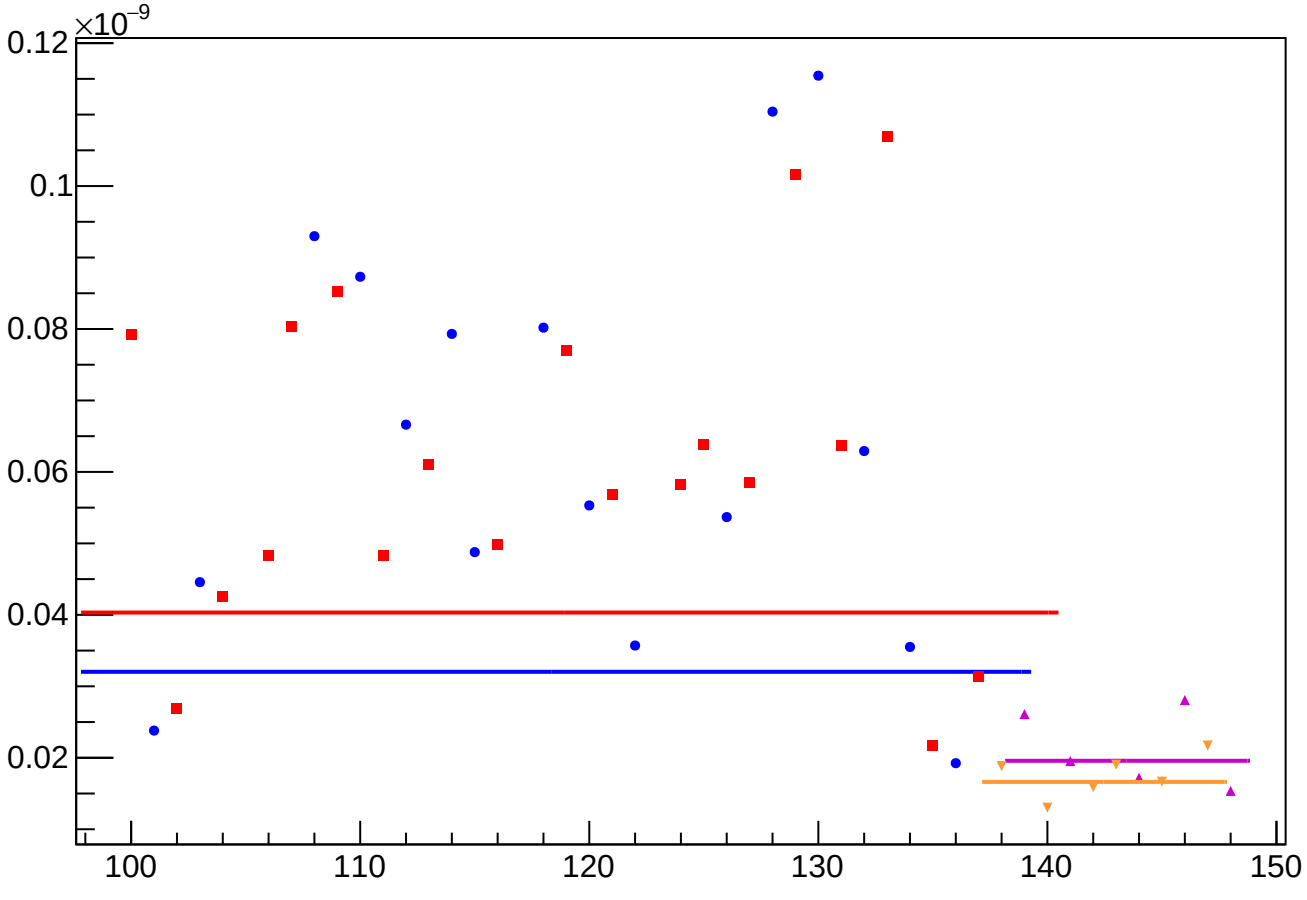
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/21

All: -0.000+/-0.000 χ^2/NDF: 37.2/45

- sign -0.000+/-0.000 χ^2/NDF: 16.4/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:164317.9/5

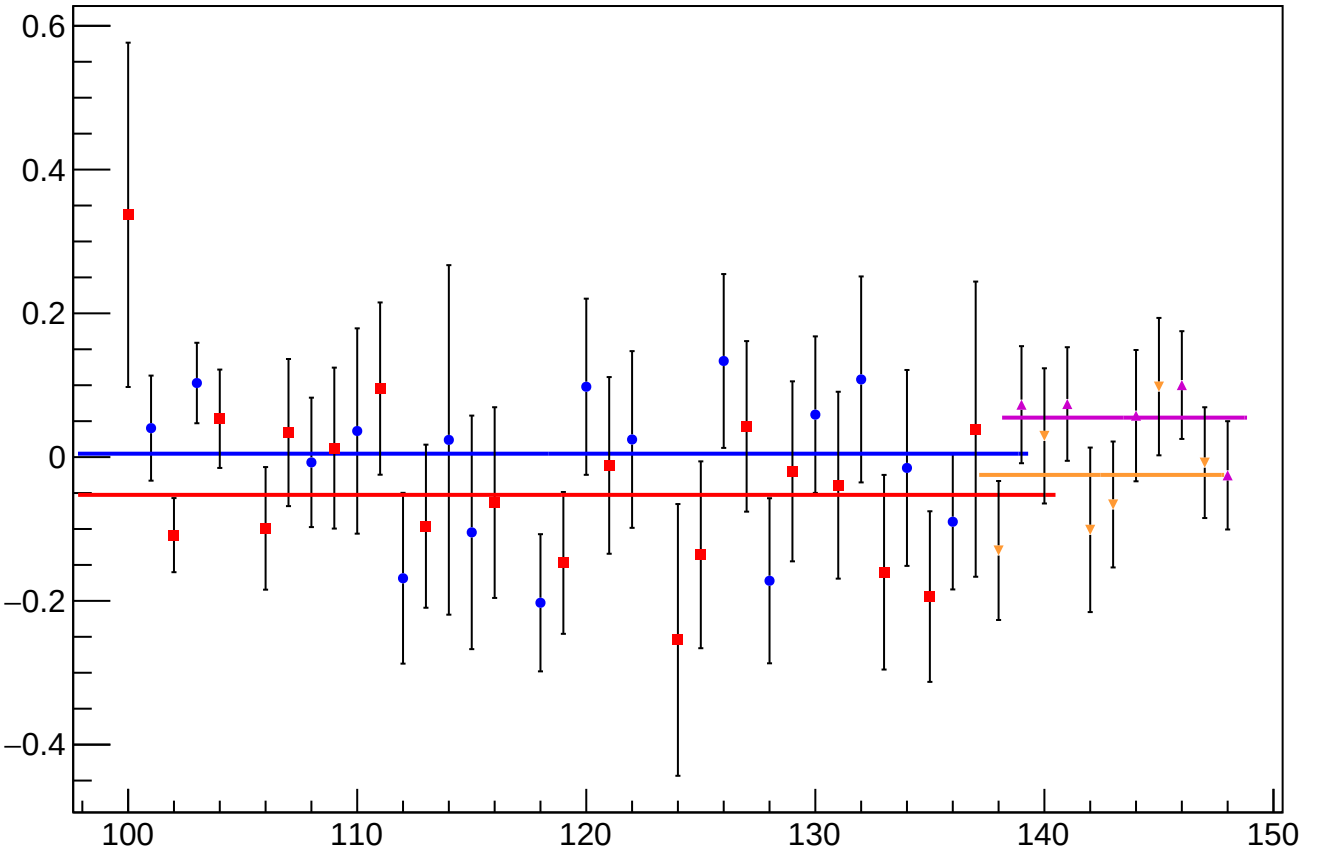
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:255194.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3729015.1/21

All: 0.000+/-0.000 χ^2/NDF: 7480523.3/45

- sign 0.000+/-0.000 χ^2/NDF: 3549947.5/23



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

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

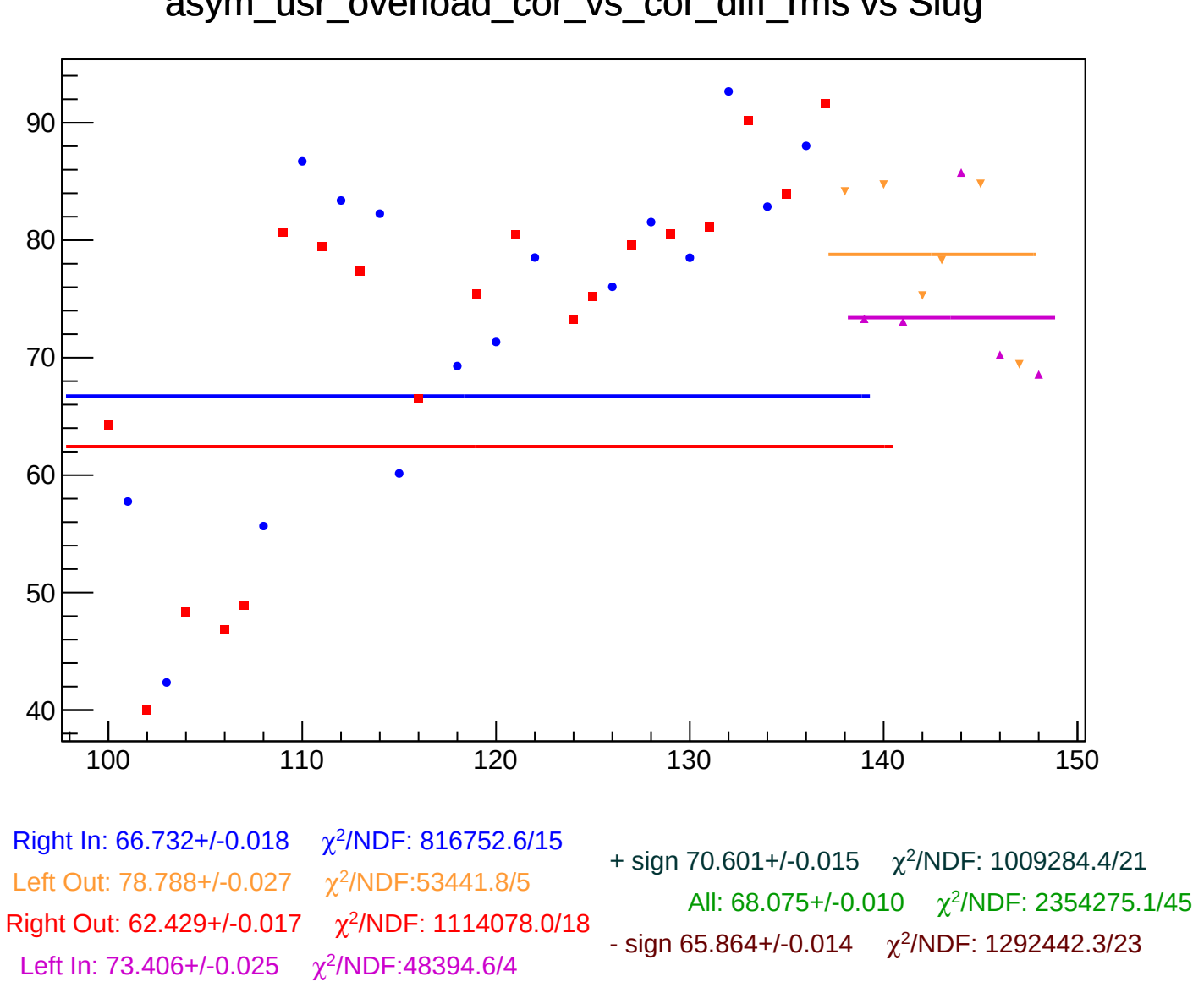
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.055+/-0.036 χ^2/NDF:1.6/4

\+ sign -0.005+/-0.021 χ^2/NDF: 20.9/21

All: -0.012+/-0.015 χ^2/NDF: 43.8/45

\- sign -0.019+/-0.020 χ^2/NDF: 22.6/23


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
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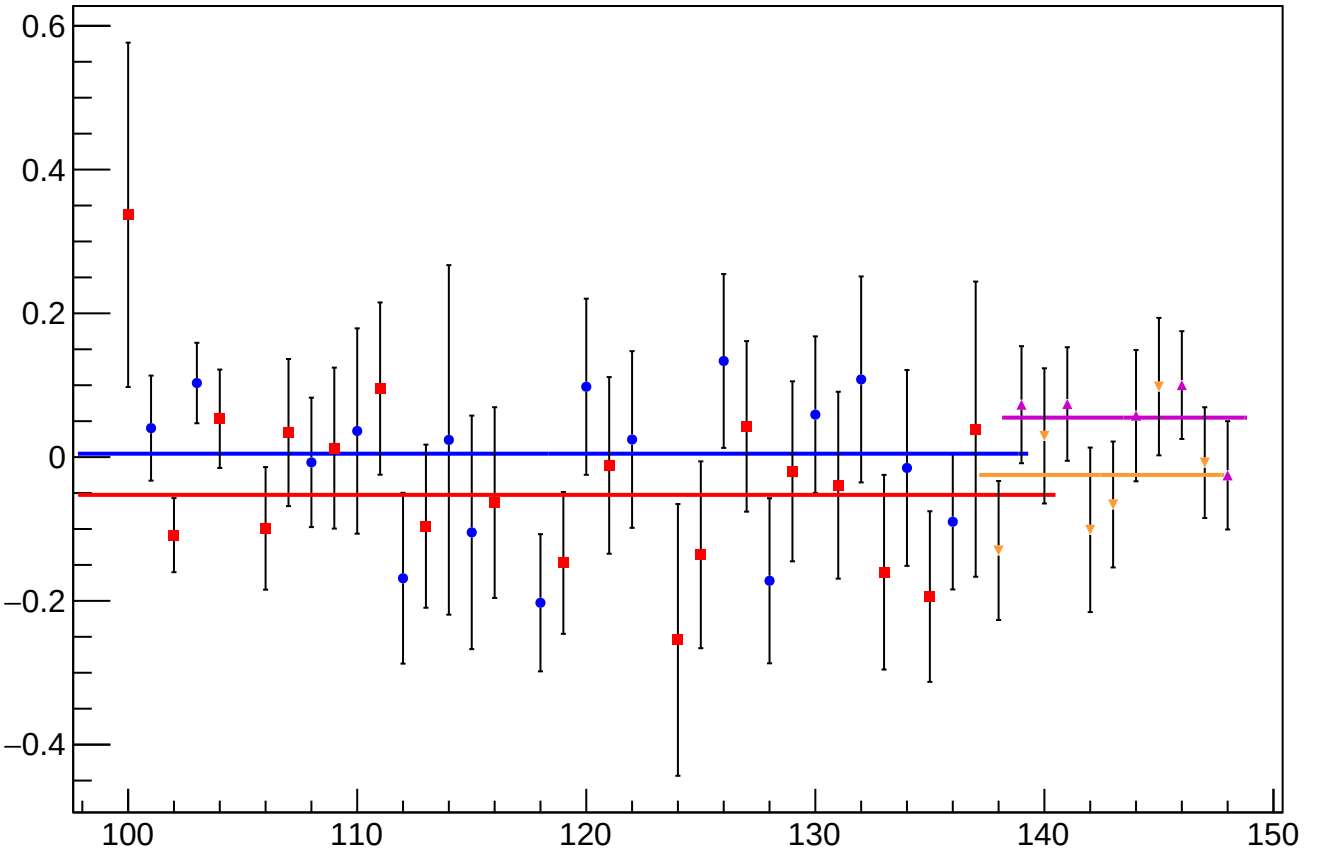
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 78.788+/-0.027 χ²/NDF:53441.8/5
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
+ sign 70.601+/-0.015 χ²/NDF: 1009284.4/21
All: 68.075+/-0.010 χ²/NDF: 2354275.1/45
- sign 65.864+/-0.014 χ²/NDF: 1292442.3/23



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

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

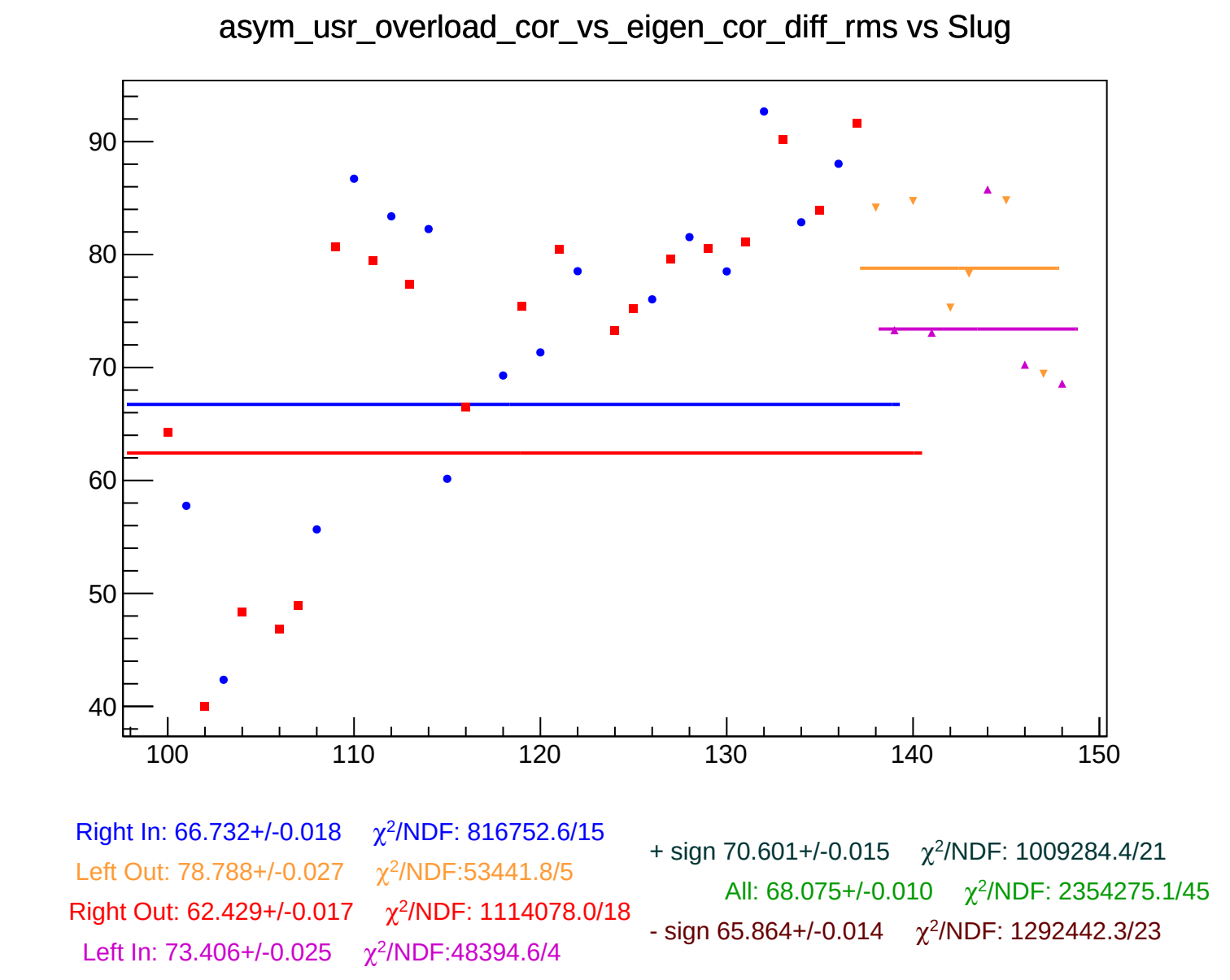
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.055+/-0.036 χ^2/NDF:1.6/4

+ sign -0.005+/-0.021 χ^2/NDF: 20.9/21

All: -0.012+/-0.015 χ^2/NDF: 43.8/45

- sign -0.019+/-0.020 χ^2/NDF: 22.6/23


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
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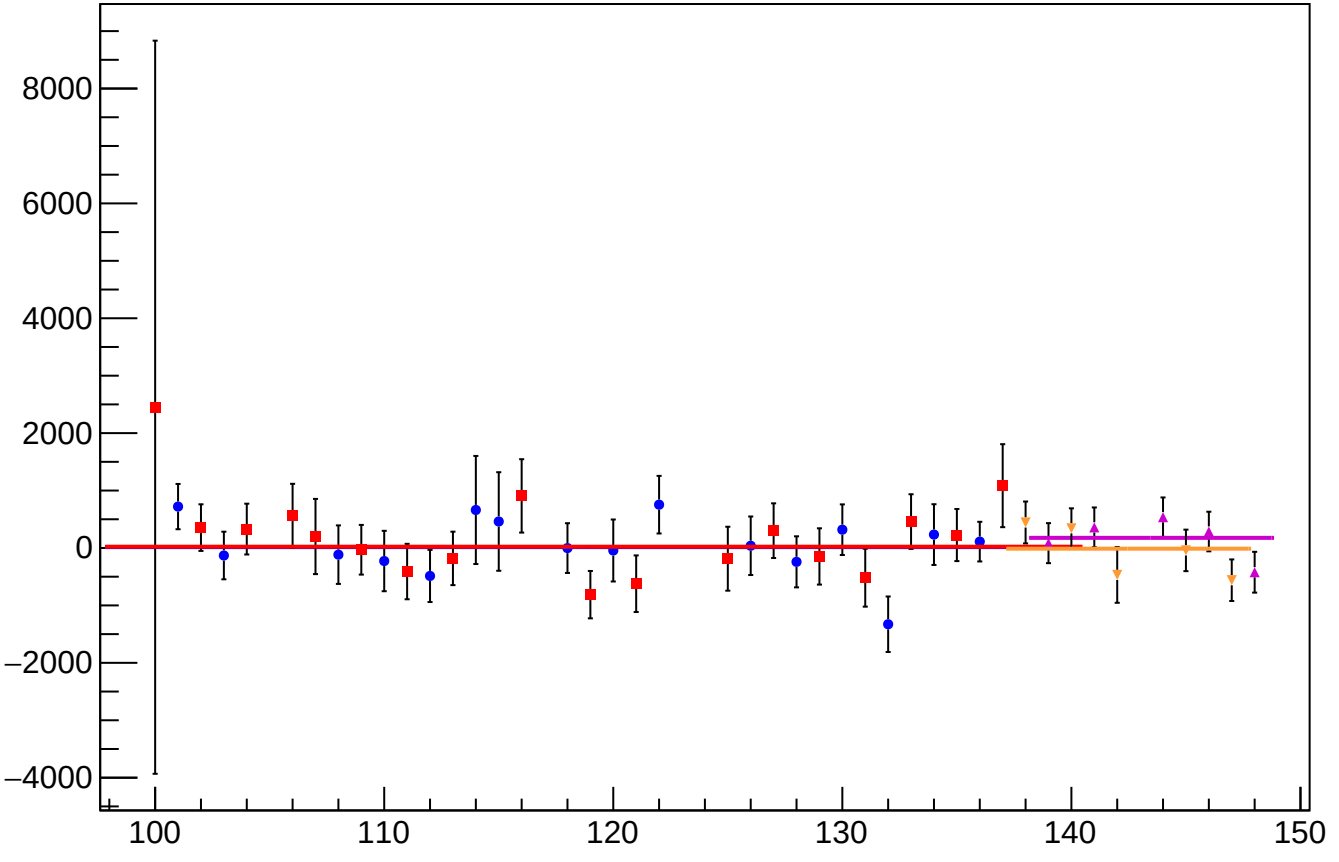
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 78.788+/-0.027 χ²/NDF:53441.8/5
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
+ sign 70.601+/-0.015 χ²/NDF: 1009284.4/21
All: 68.075+/-0.010 χ²/NDF: 2354275.1/45
- sign 65.864+/-0.014 χ²/NDF: 1292442.3/23

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

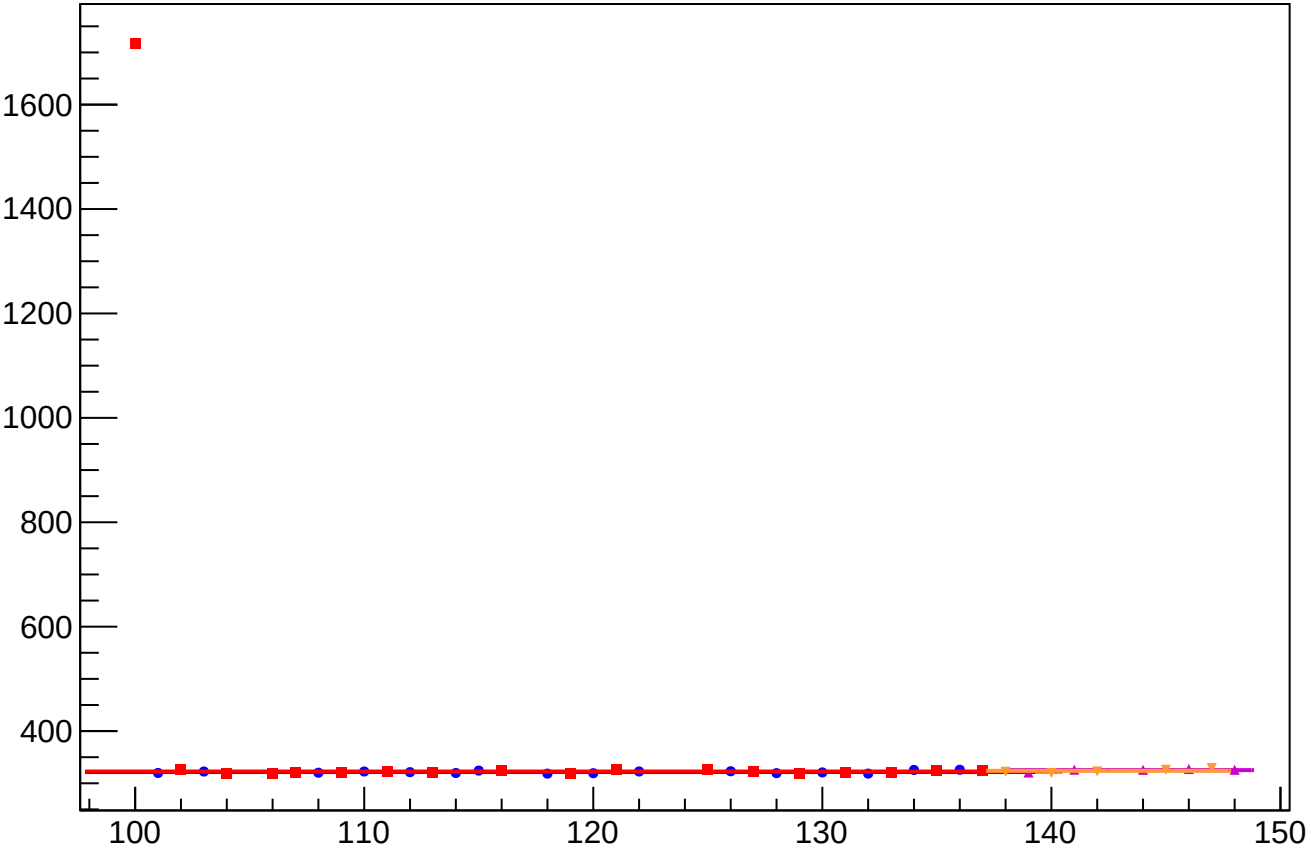
Left In: 176.312+/-155.481 χ^2/NDF:4.4/4

\+ sign 6.236+/-97.397 χ^2/NDF: 22.3/20

All: 43.790+/-67.861 χ^2/NDF: 43.6/43

\- sign 79.222+/-94.604 χ^2/NDF: 21.0/22

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

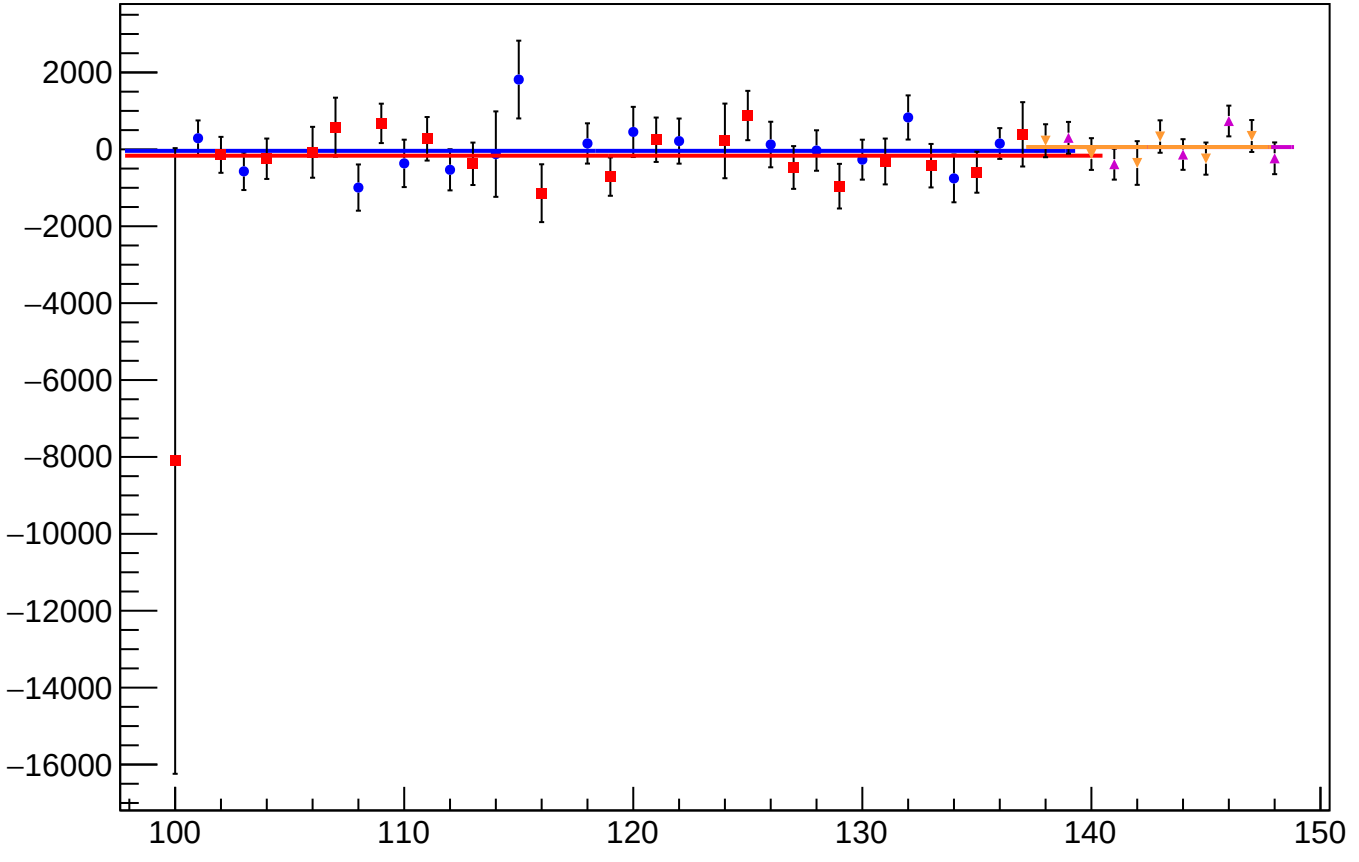
Left In: 325.218+/-0.110 χ^2/NDF:447.9/4

+ sign 322.377+/-0.069 χ^2/NDF: 1888.1/20

All: 322.975+/-0.048 χ^2/NDF: 99744.6/43

- sign 323.540+/-0.067 χ^2/NDF: 97709.9/22

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

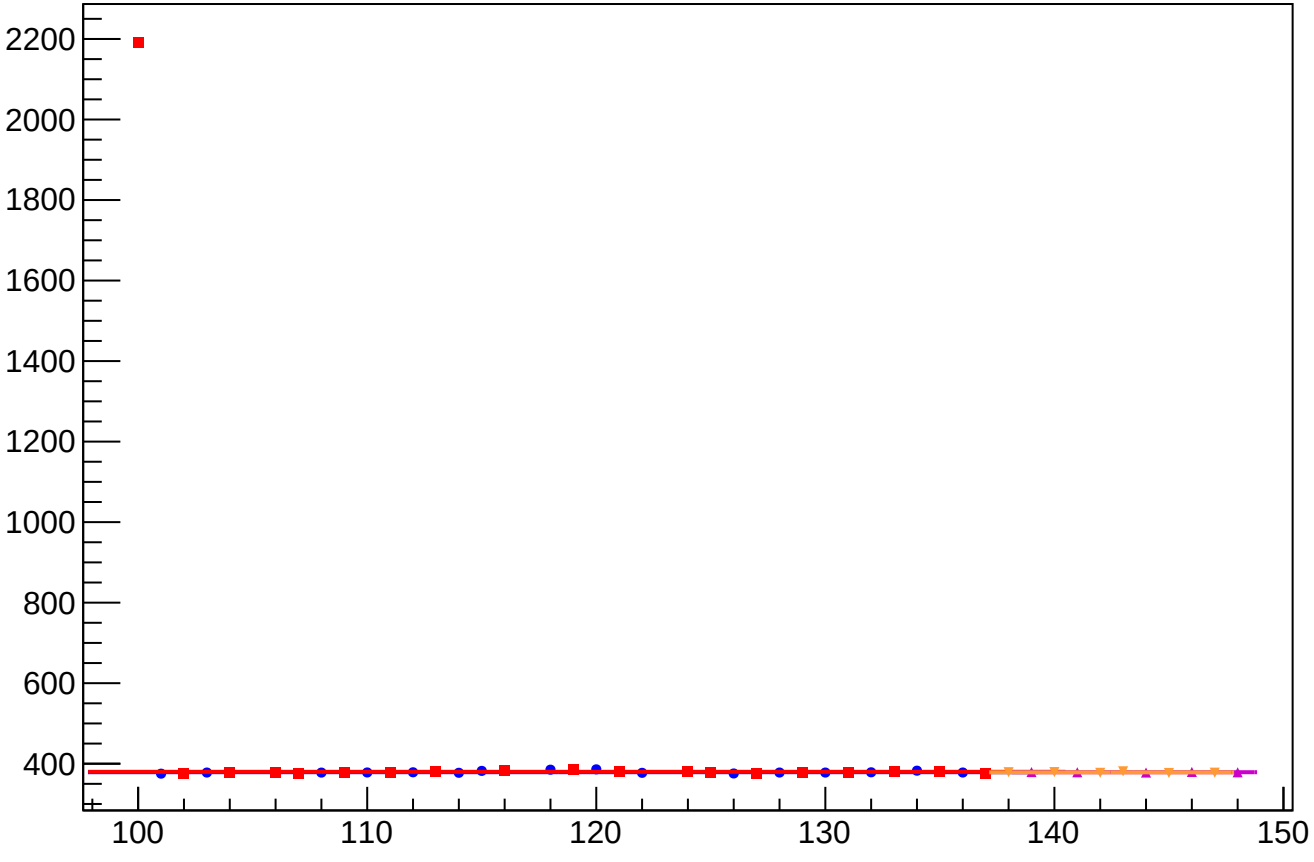
Left In: 59.227+/-181.136 χ^2/NDF:5.2/4

+ sign -0.656+/-110.404 χ^2/NDF: 16.2/21

All: -41.232+/-78.014 χ^2/NDF: 37.7/45

- sign -81.698+/-110.255 χ^2/NDF: 21.2/23

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

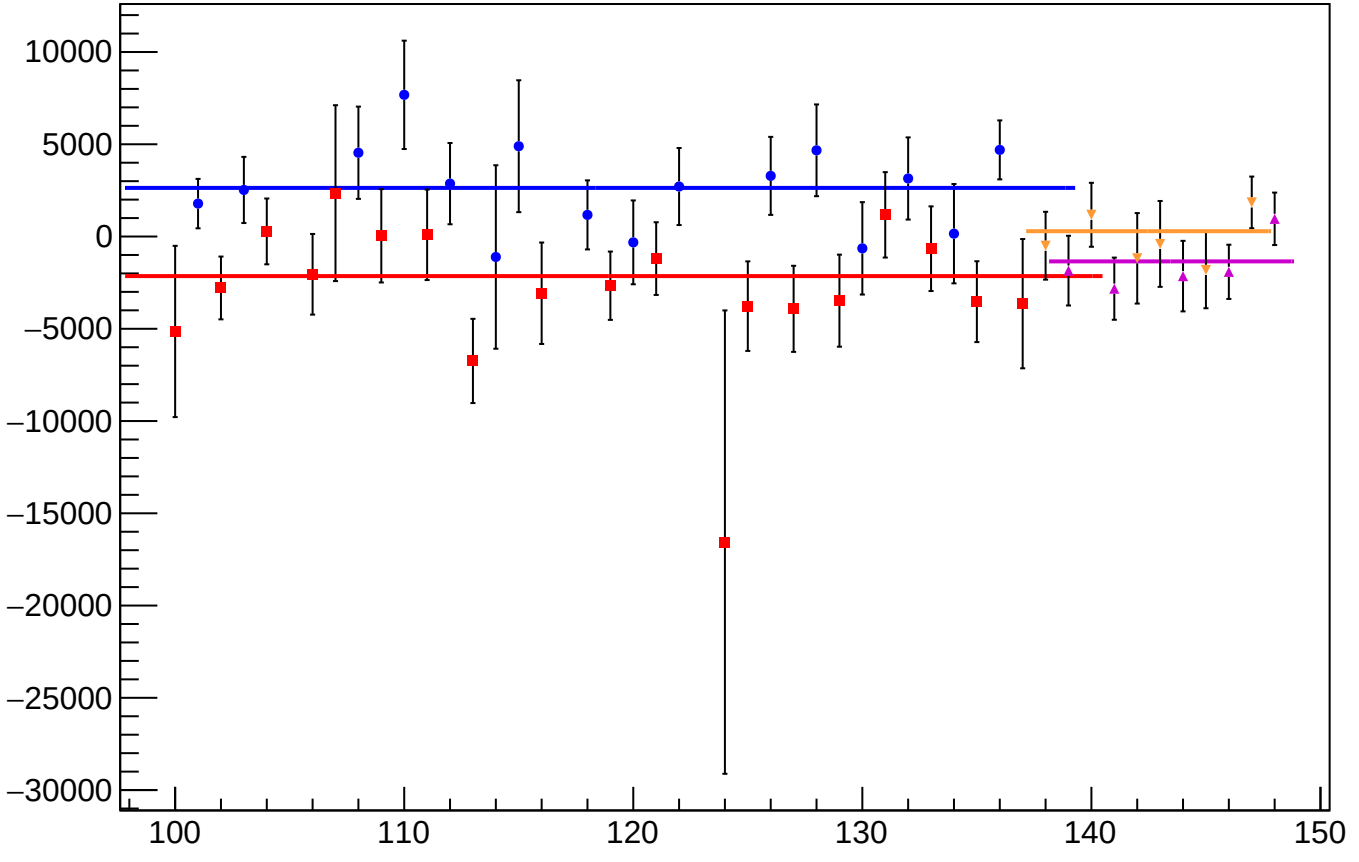
Left In: 378.868+/-0.128 χ^2/NDF:16.3/4

+ sign 378.784+/-0.078 χ^2/NDF: 978.1/21

All: 379.144+/-0.055 χ^2/NDF: 100697.5/45

- sign 379.504+/-0.078 χ^2/NDF: 99676.9/23

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

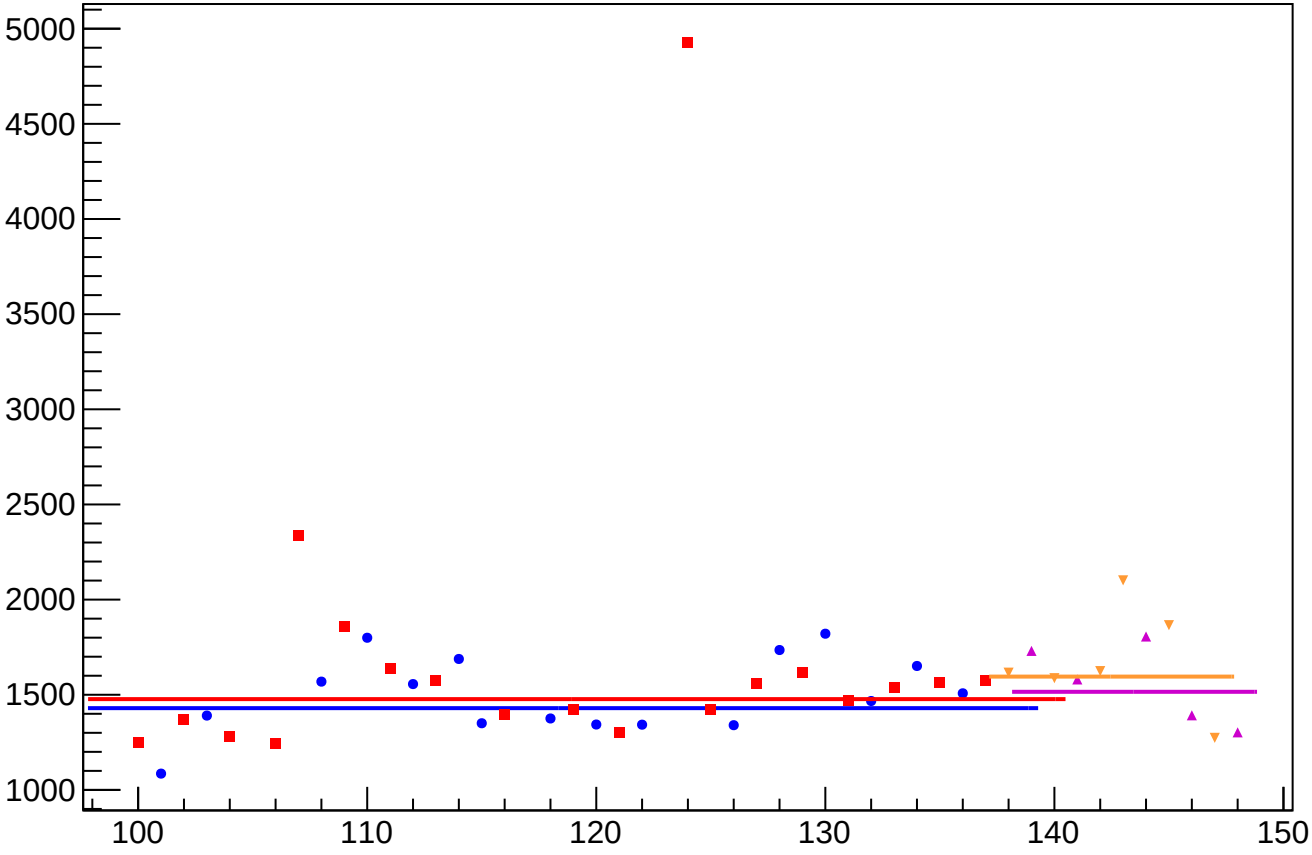
Left In: -1347.656+/-732.286 χ^2/NDF:3.8/4

+ sign 1855.135+/-439.566 χ^2/NDF: 21.7/21

All: -7.735+/-310.342 χ^2/NDF: 77.2/45

- sign -1859.187+/-438.216 χ^2/NDF: 19.6/23

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

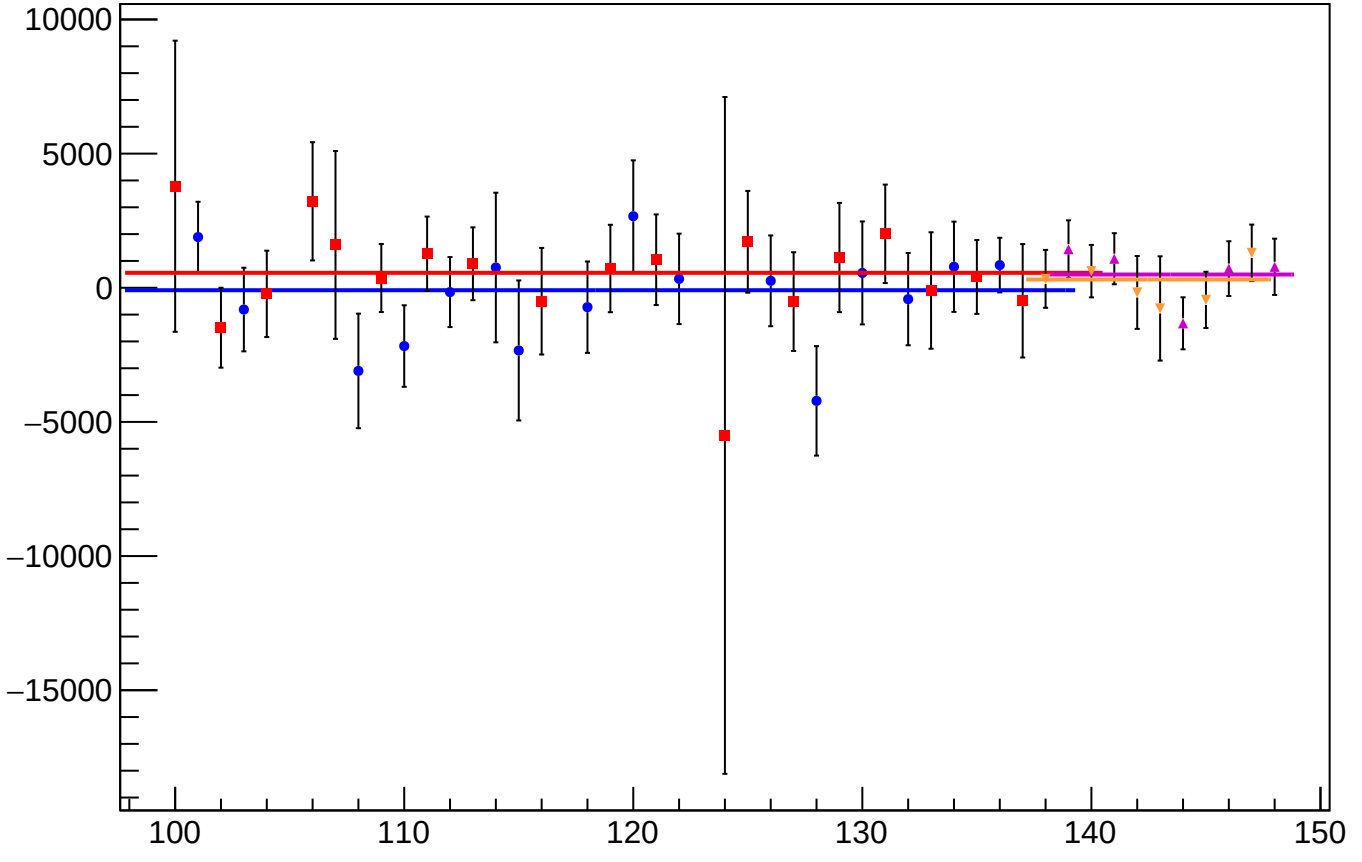
Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

+ sign 1484.797+/-0.311 χ^2/NDF: 591034.2/21

All: 1487.847+/-0.219 χ^2/NDF: 1098349.3/45

- sign 1490.878+/-0.310 χ^2/NDF: 507123.1/23

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

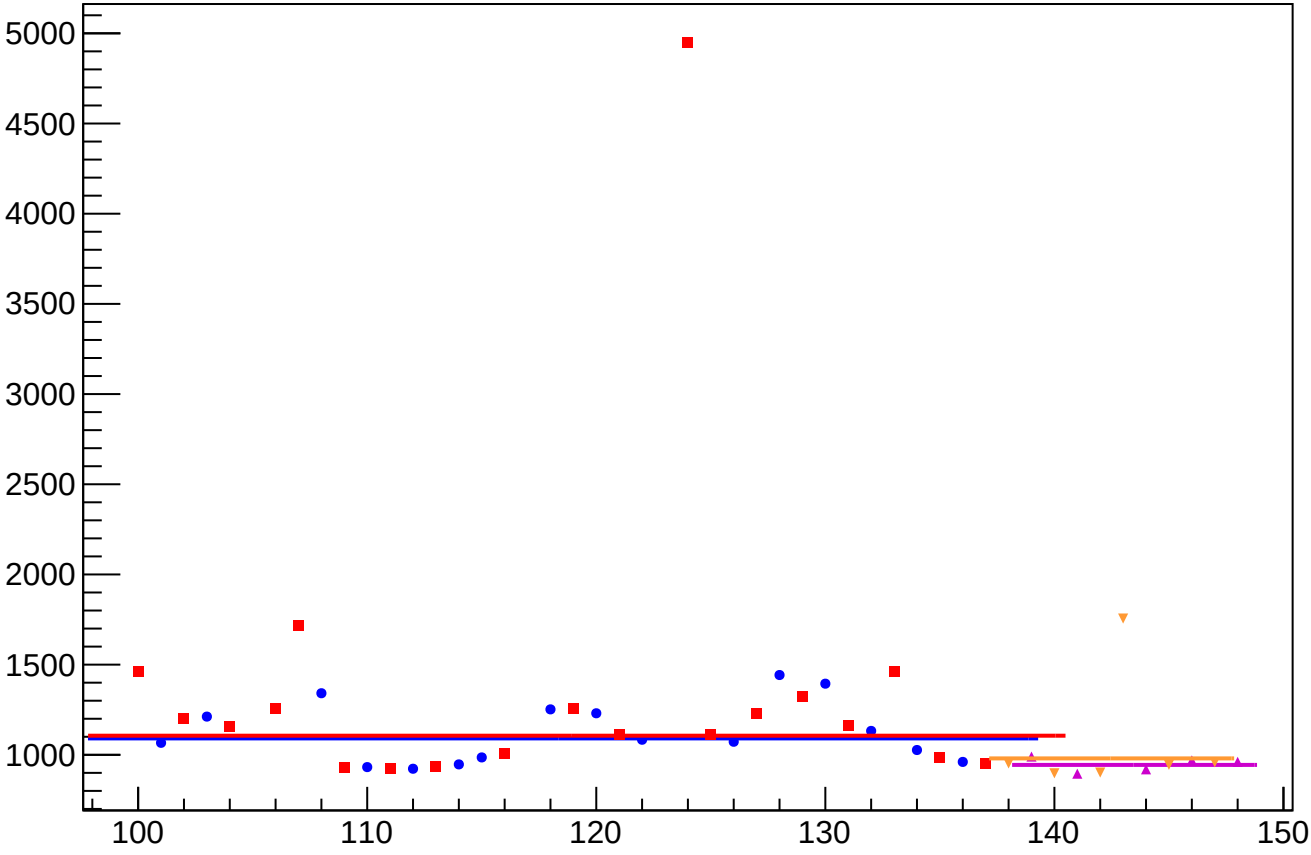
Left In: 494.114+/-451.761 χ^2/NDF:4.8/4

+ sign 81.458+/-308.997 χ^2/NDF: 16.9/21

All: 308.465+/-216.761 χ^2/NDF: 29.5/45

- sign 528.408+/-304.152 χ^2/NDF: 11.6/23

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

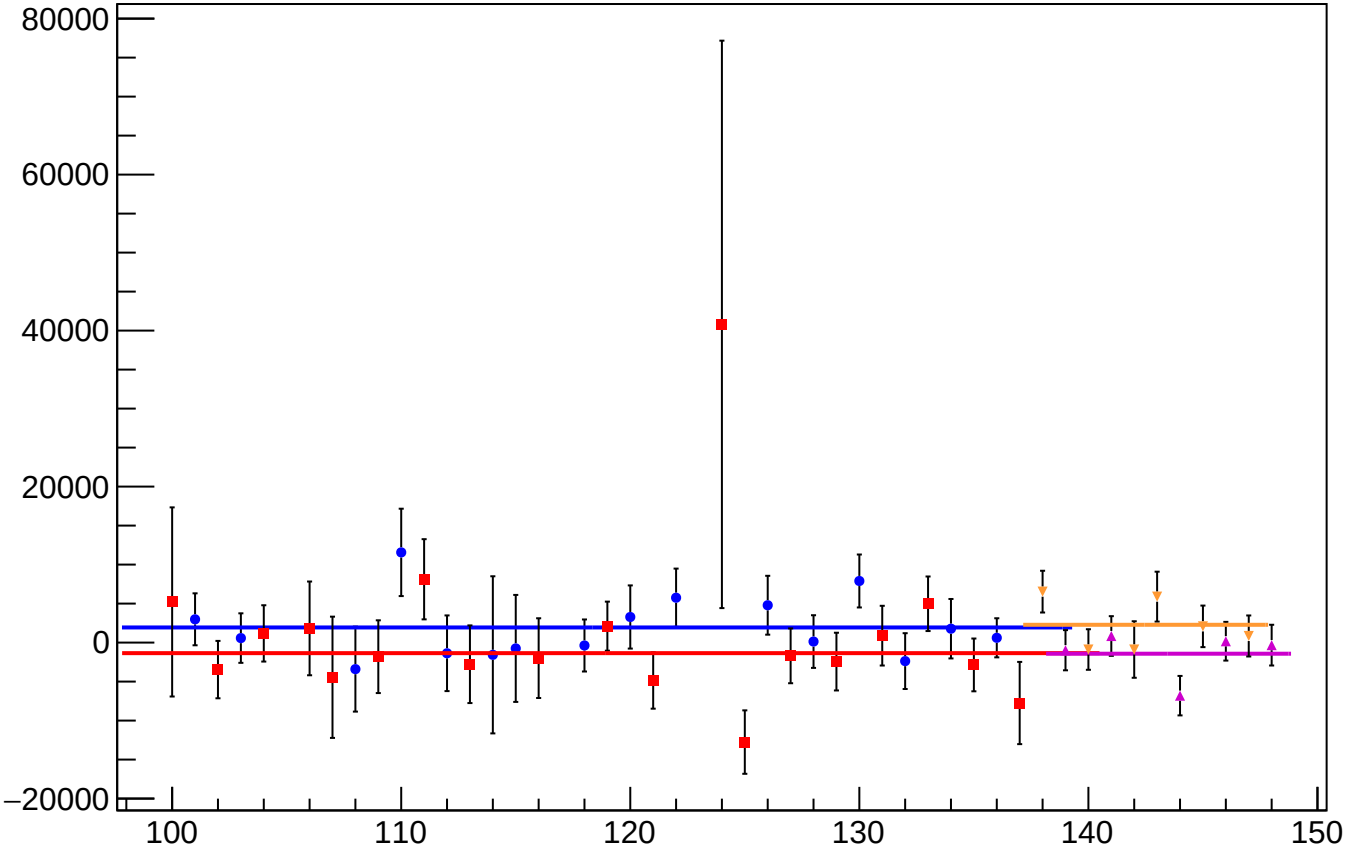
Left In: 944.107+/-0.319 χ^2/NDF:11924.3/4

+ sign 1043.173+/-0.218 χ^2/NDF: 684323.3/21

All: 1037.824+/-0.153 χ^2/NDF: 1352027.2/45

- sign 1032.643+/-0.215 χ^2/NDF: 666524.3/23

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

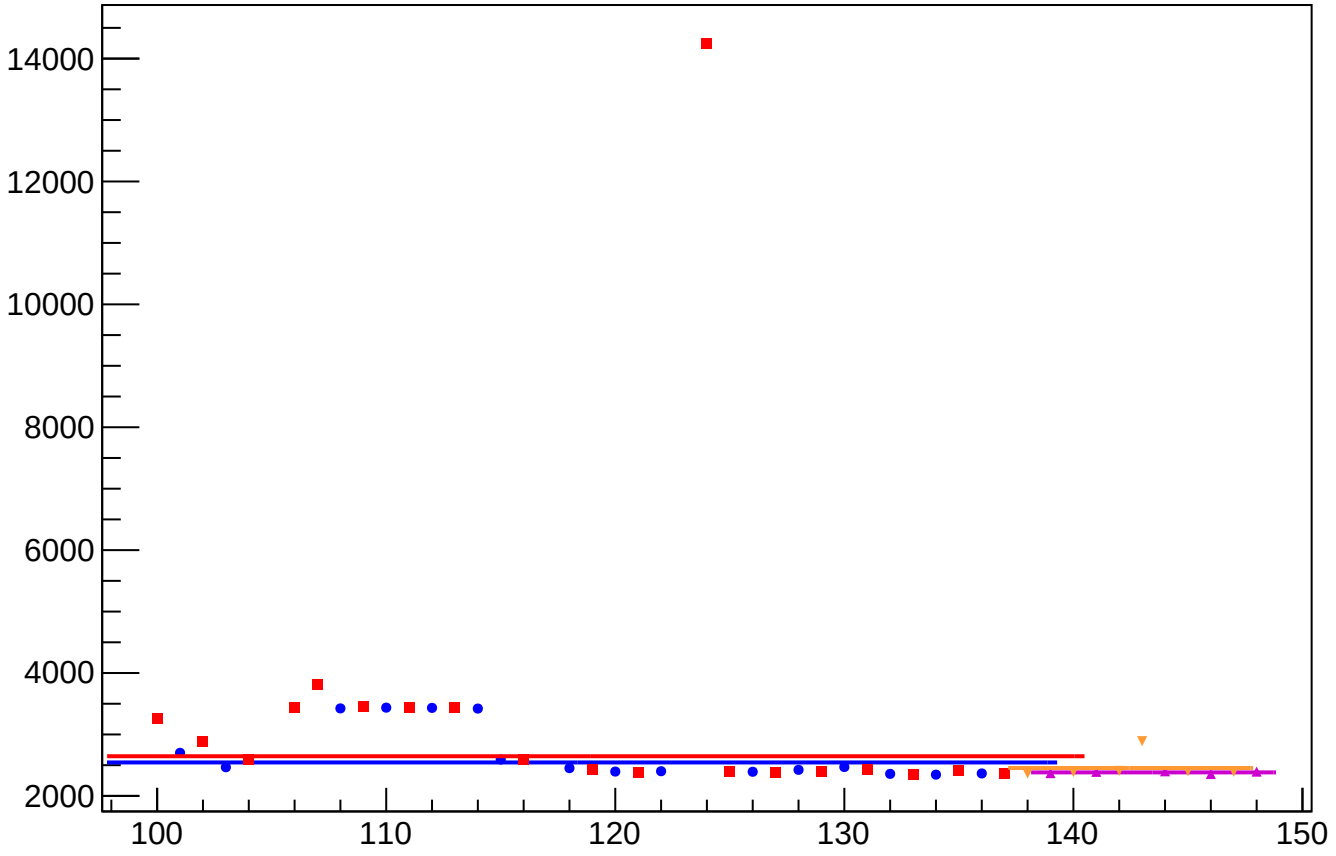
Left In: -1426.816+/-1139.140 χ^2/NDF:5.9/4

+ sign 2077.603+/-735.373 χ^2/NDF: 18.6/21

All: 369.217+/-523.404 χ^2/NDF: 57.3/45

- sign -1384.829+/-745.135 χ^2/NDF: 27.7/23

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

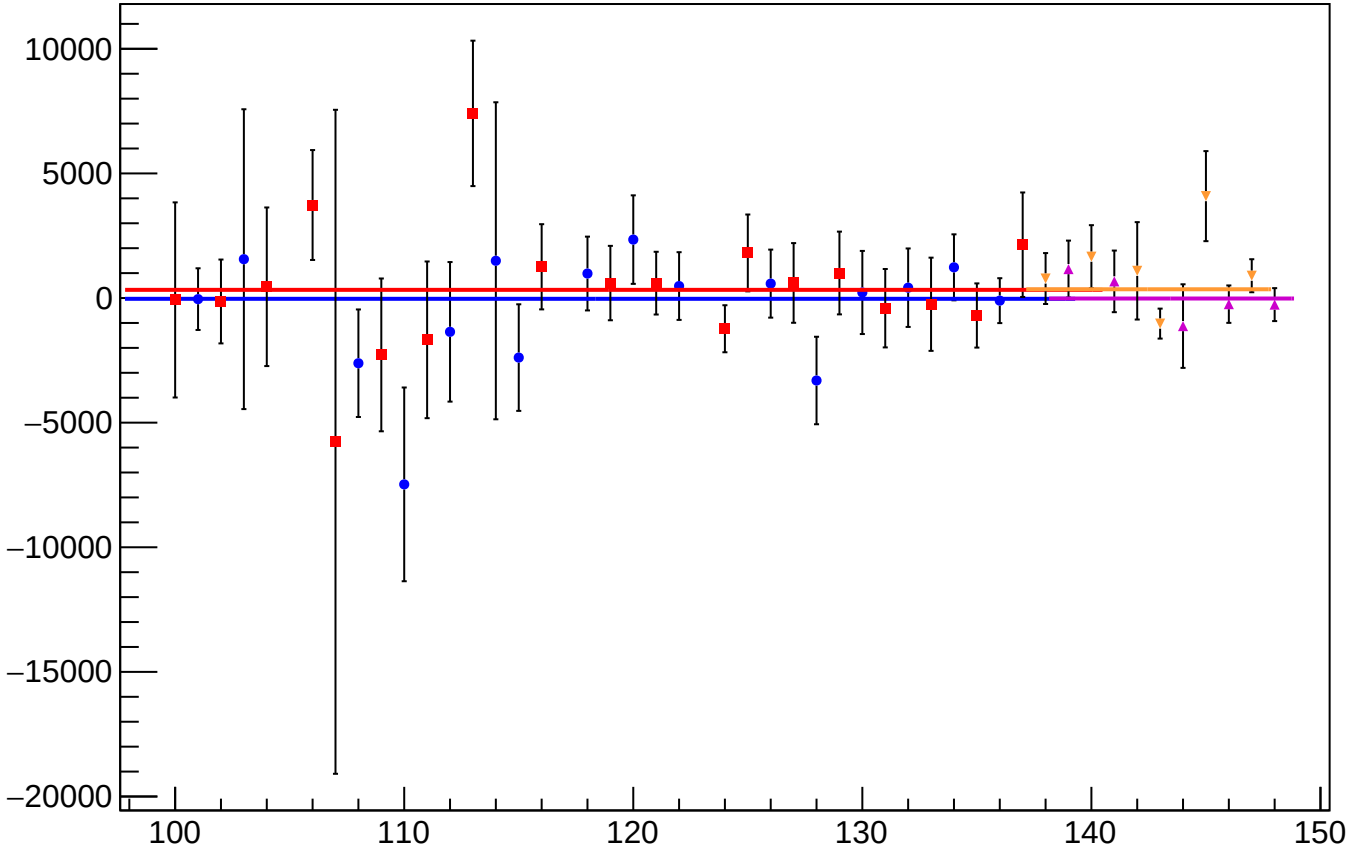
Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2520.390+/-0.370 χ^2/NDF: 875411.5/45

- sign 2533.143+/-0.527 χ^2/NDF: 598370.3/23

asym_atl1_reg_correction_mean vs Slug



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

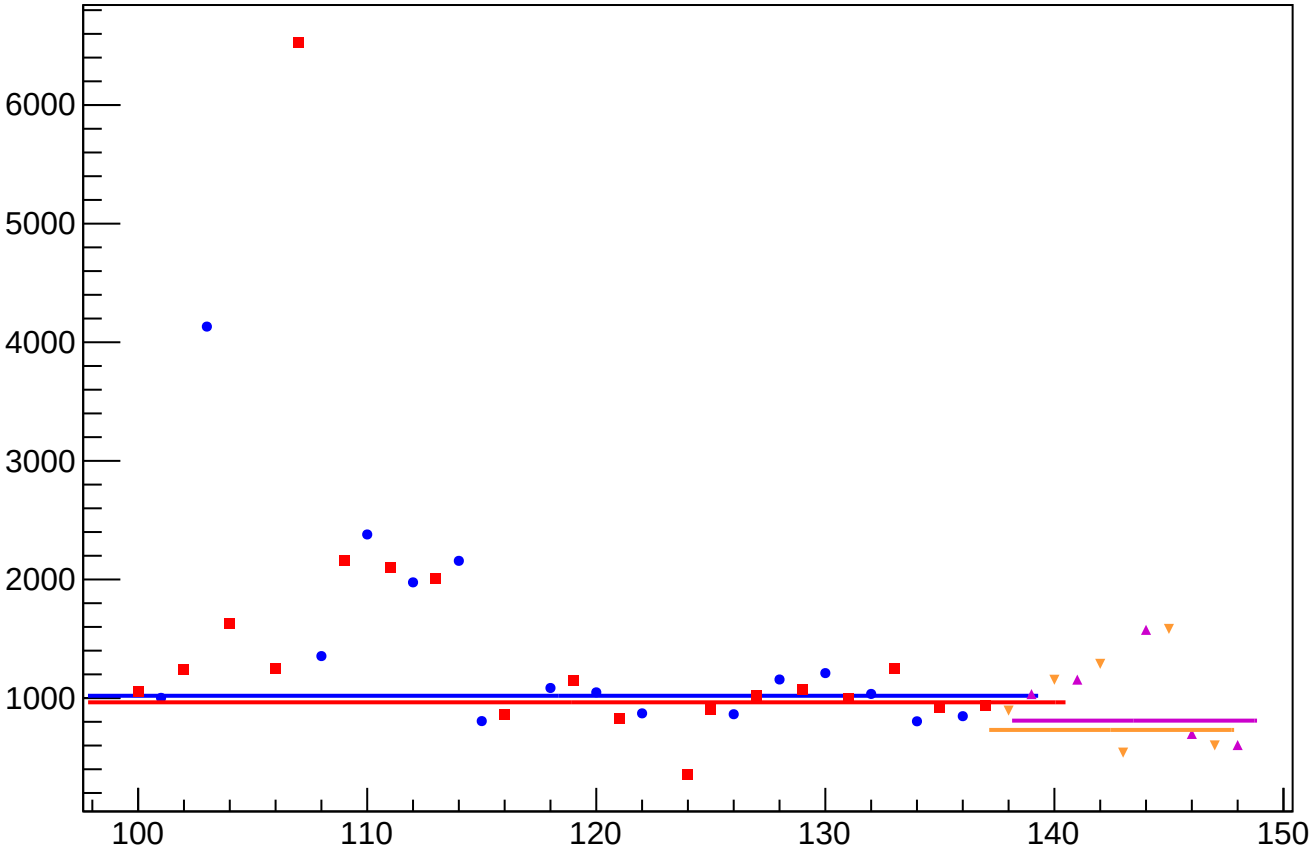
Left In: -19.150+/-413.865 χ^2/NDF:2.0/4

+ sign 176.467+/-274.495 χ^2/NDF: 25.9/21

All: 169.178+/-198.399 χ^2/NDF: 43.9/45

- sign 161.206+/-287.086 χ^2/NDF: 18.0/23

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

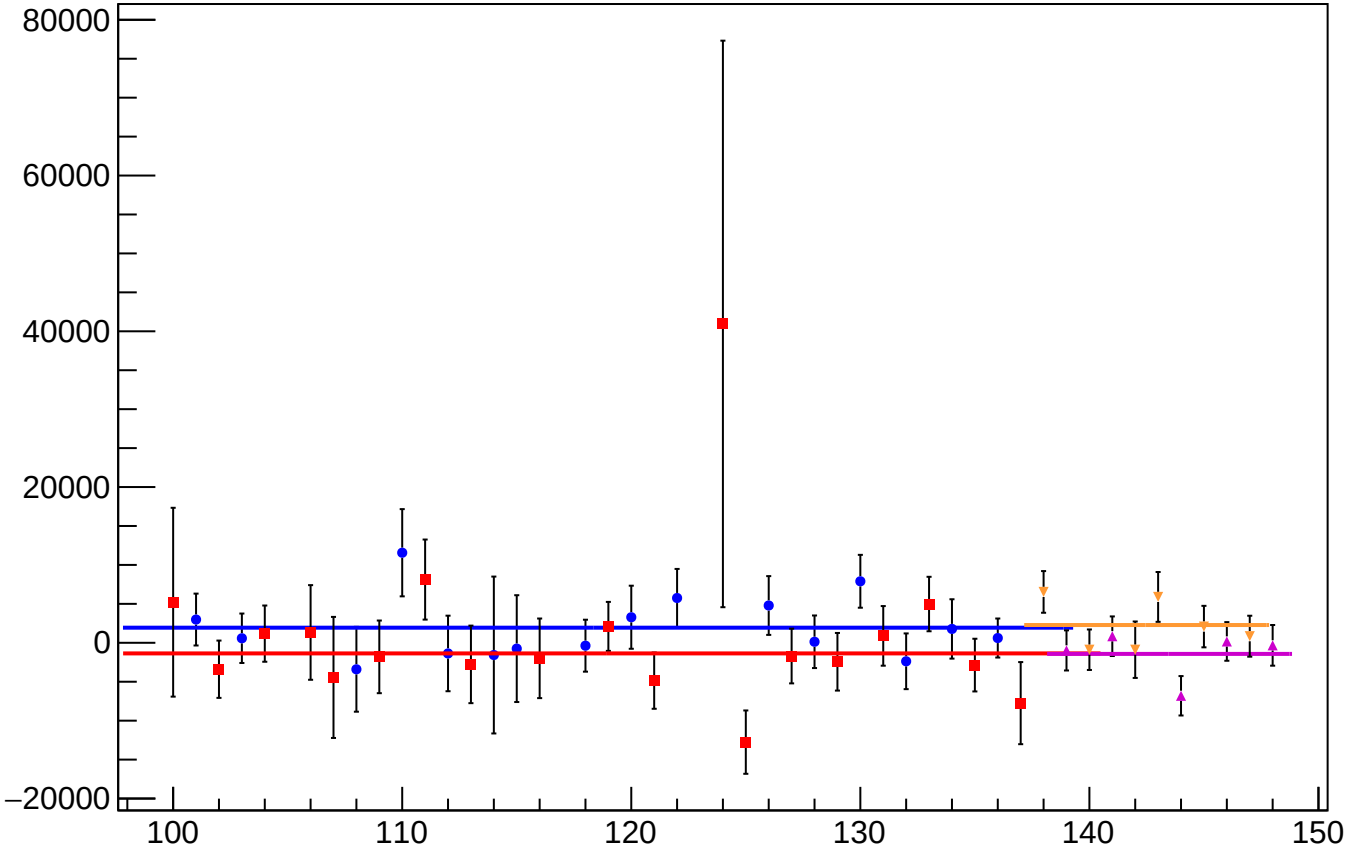
Left In: 810.011+/-0.293 χ^2/NDF:888168.8/4

+ sign 863.385+/-0.194 χ^2/NDF: 3073020.7/21

All: 876.144+/-0.140 χ^2/NDF: 6423955.2/45

- sign 890.101+/-0.203 χ^2/NDF: 3341886.8/23

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

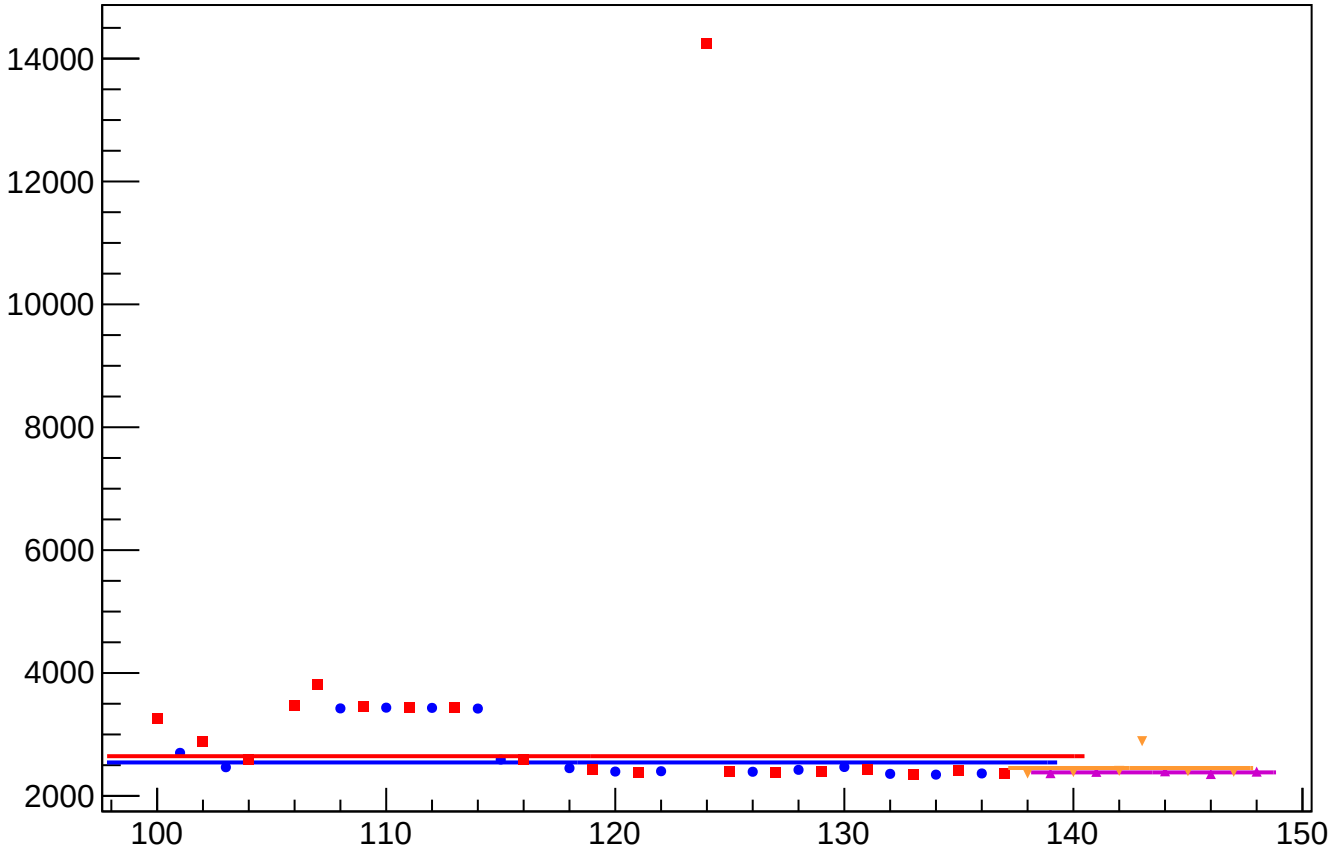
Left In: -1427.096+/-1139.140 χ^2/NDF:5.9/4

+ sign 2077.746+/-735.373 χ^2/NDF: 18.6/21

All: 366.801+/-523.449 χ^2/NDF: 57.3/45

- sign -1390.485+/-745.265 χ^2/NDF: 27.6/23

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

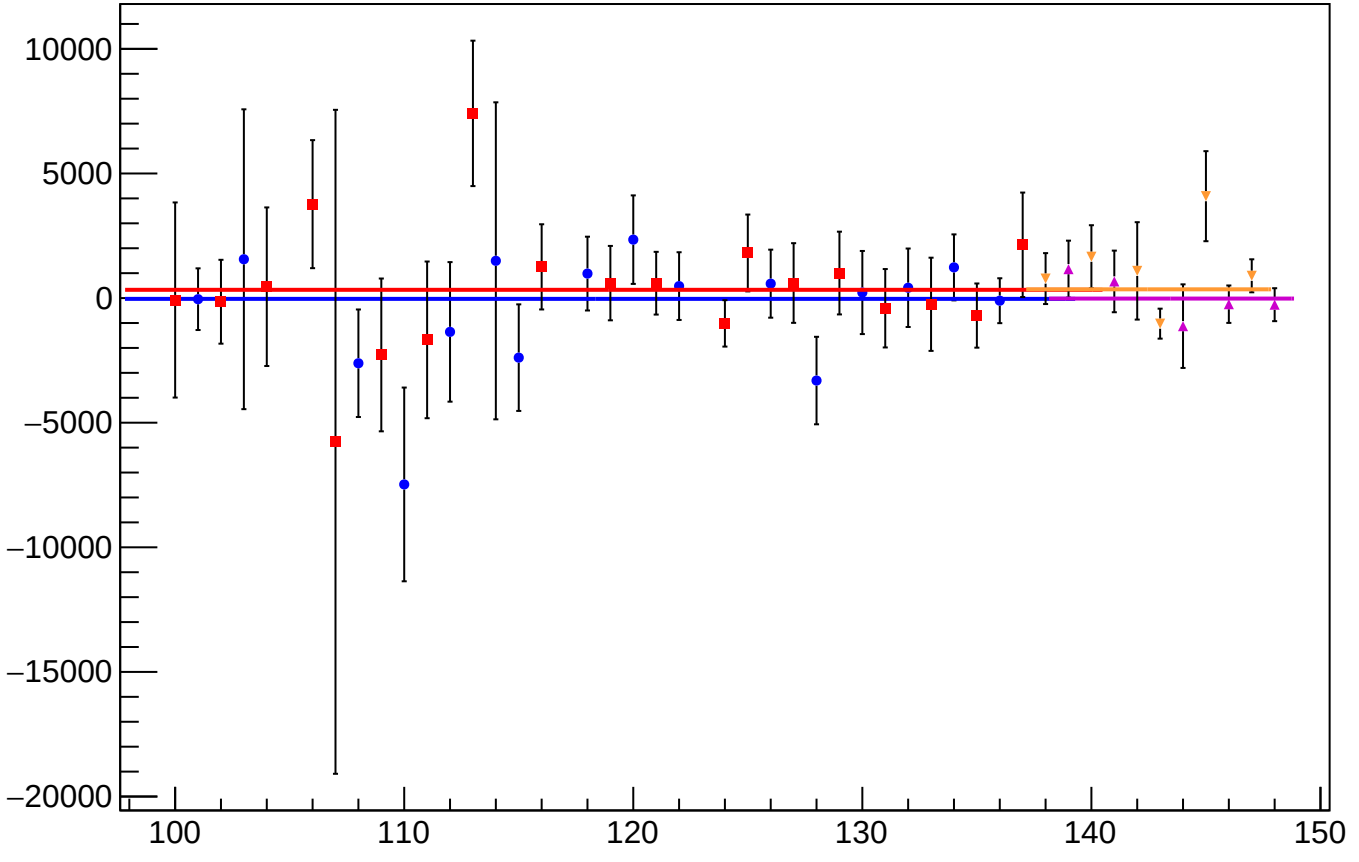
Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2520.526+/-0.370 χ^2/NDF: 878260.9/45

- sign 2533.422+/-0.527 χ^2/NDF: 601194.2/23

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

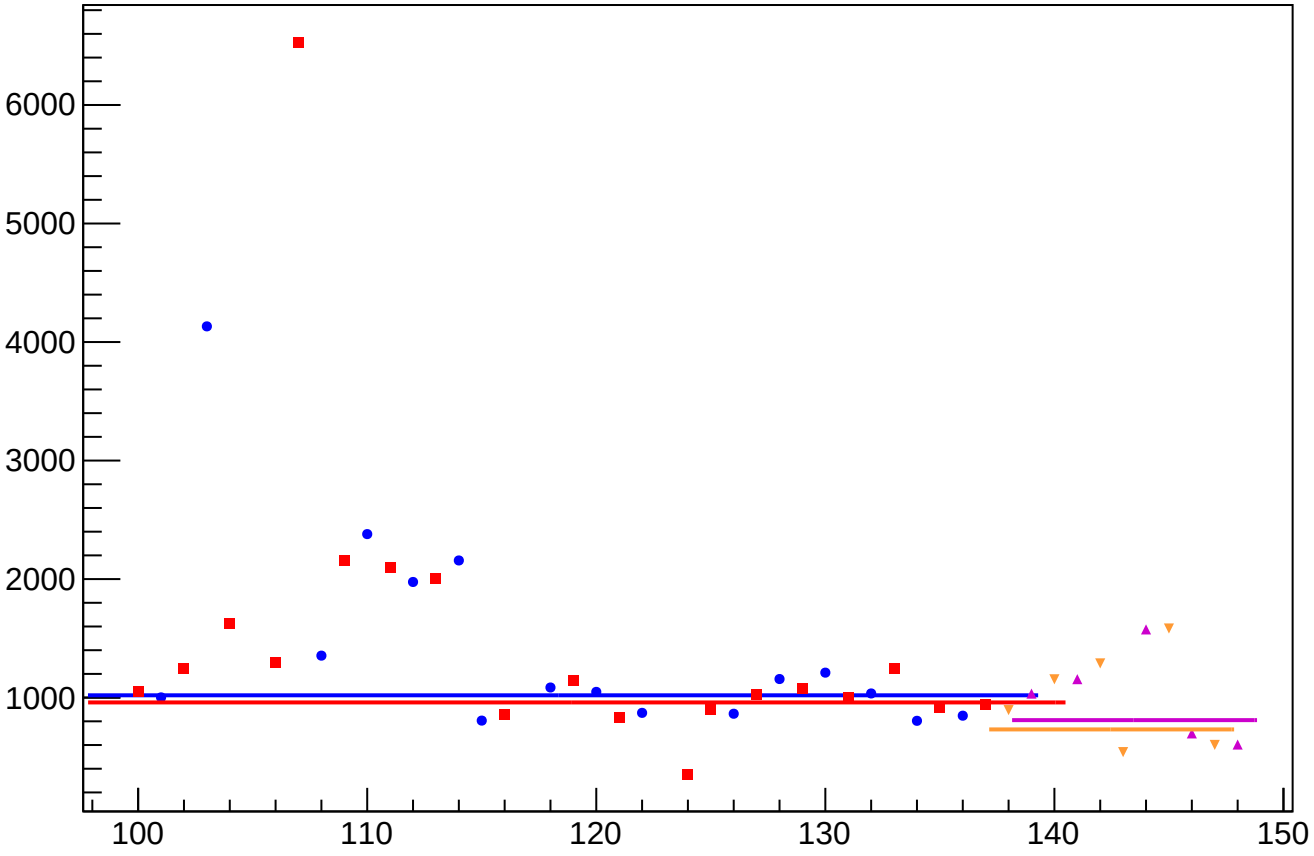
Left In: -19.333+/-413.860 χ^2/NDF:2.0/4

+ sign 176.384+/-274.498 χ^2/NDF: 25.8/21

All: 169.802+/-198.494 χ^2/NDF: 42.7/45

- sign 162.588+/-287.370 χ^2/NDF: 16.8/23

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

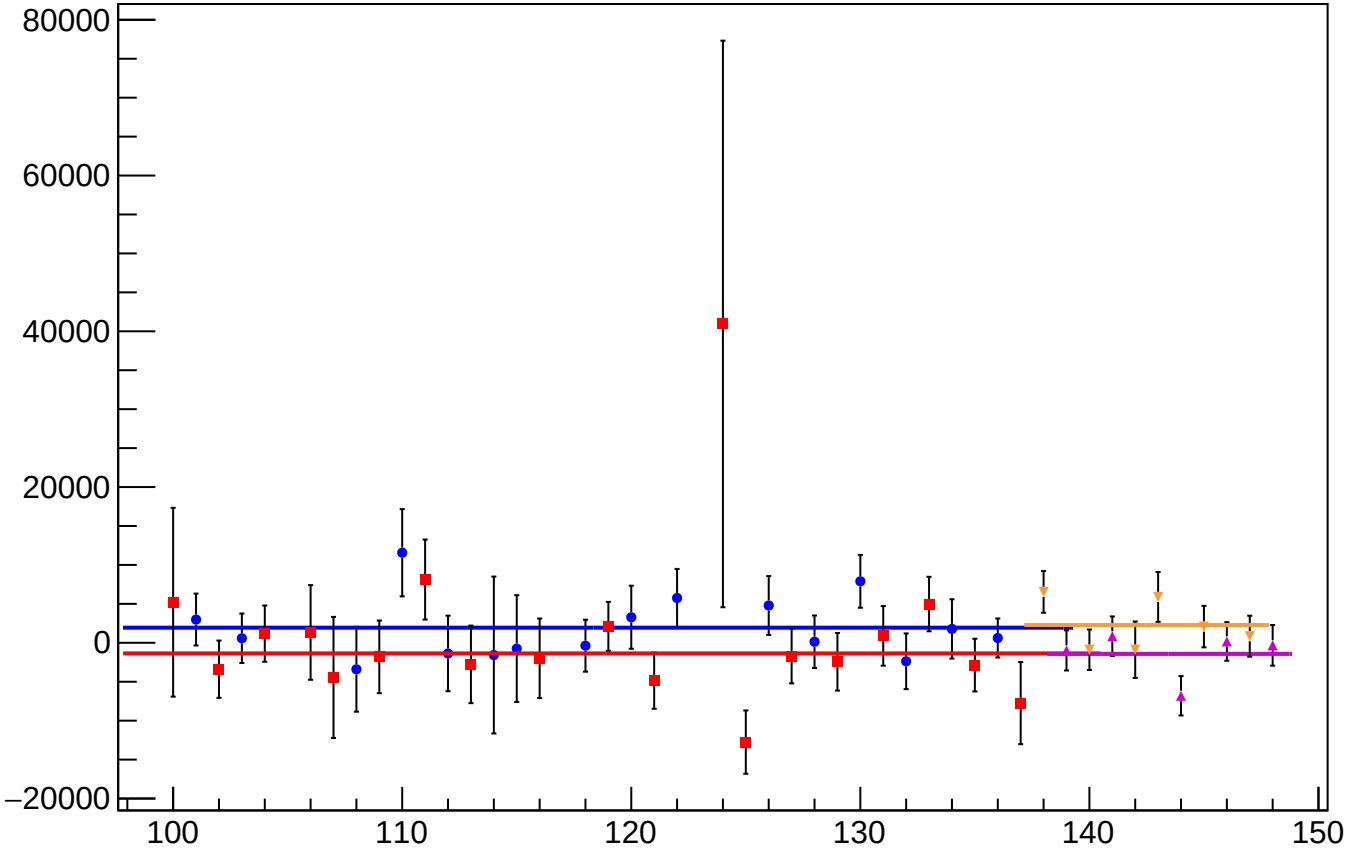
Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

\+ sign 863.398+/-0.194 χ^2/NDF: 3072814.1/21

All: 874.820+/-0.140 χ^2/NDF: 6447590.4/45

\- sign 887.338+/-0.203 χ^2/NDF: 3367518.6/23

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

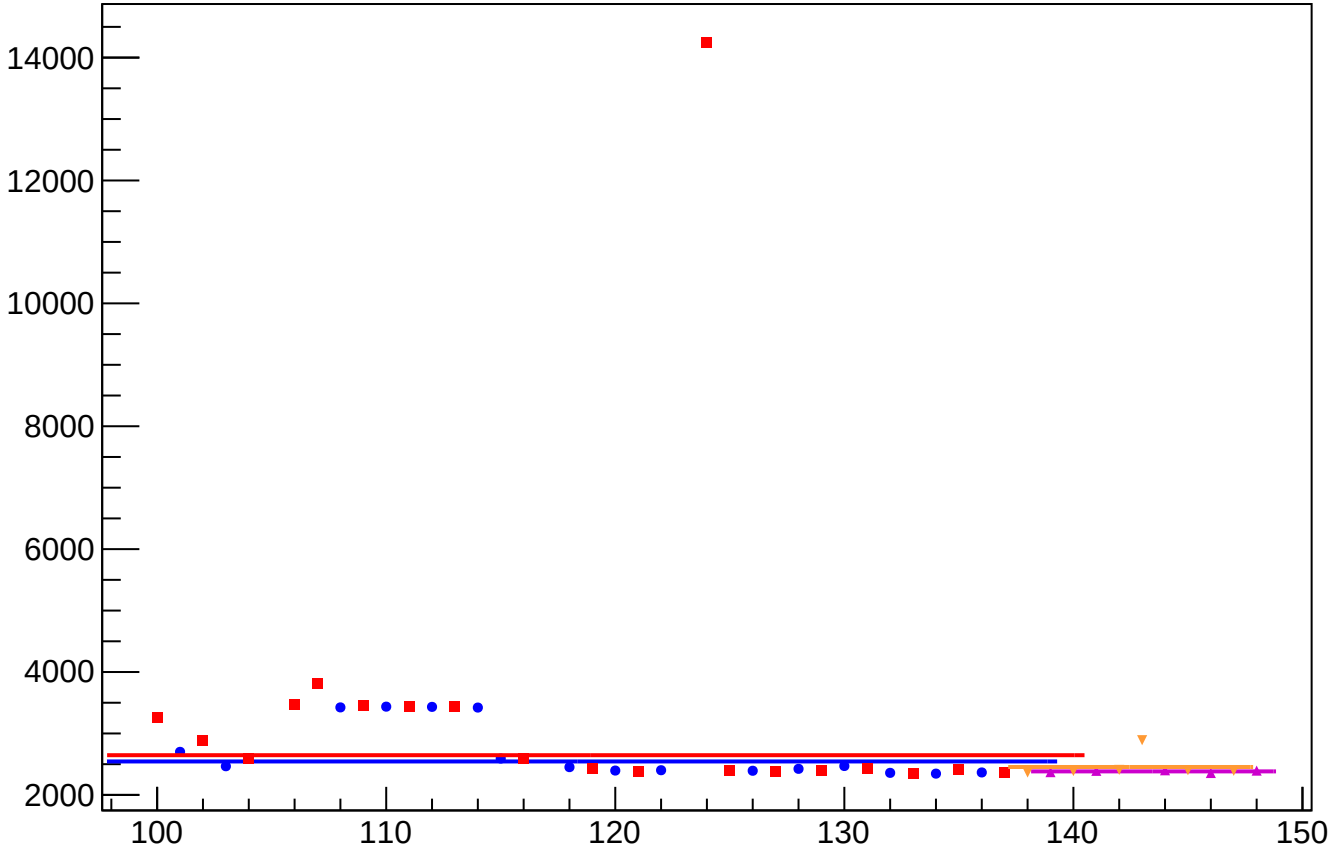
Left In: -1427.096+/-1139.140 χ^2/NDF:5.9/4

+ sign 2077.746+/-735.373 χ^2/NDF: 18.6/21

All: 366.801+/-523.449 χ^2/NDF: 57.3/45

- sign -1390.485+/-745.265 χ^2/NDF: 27.6/23

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

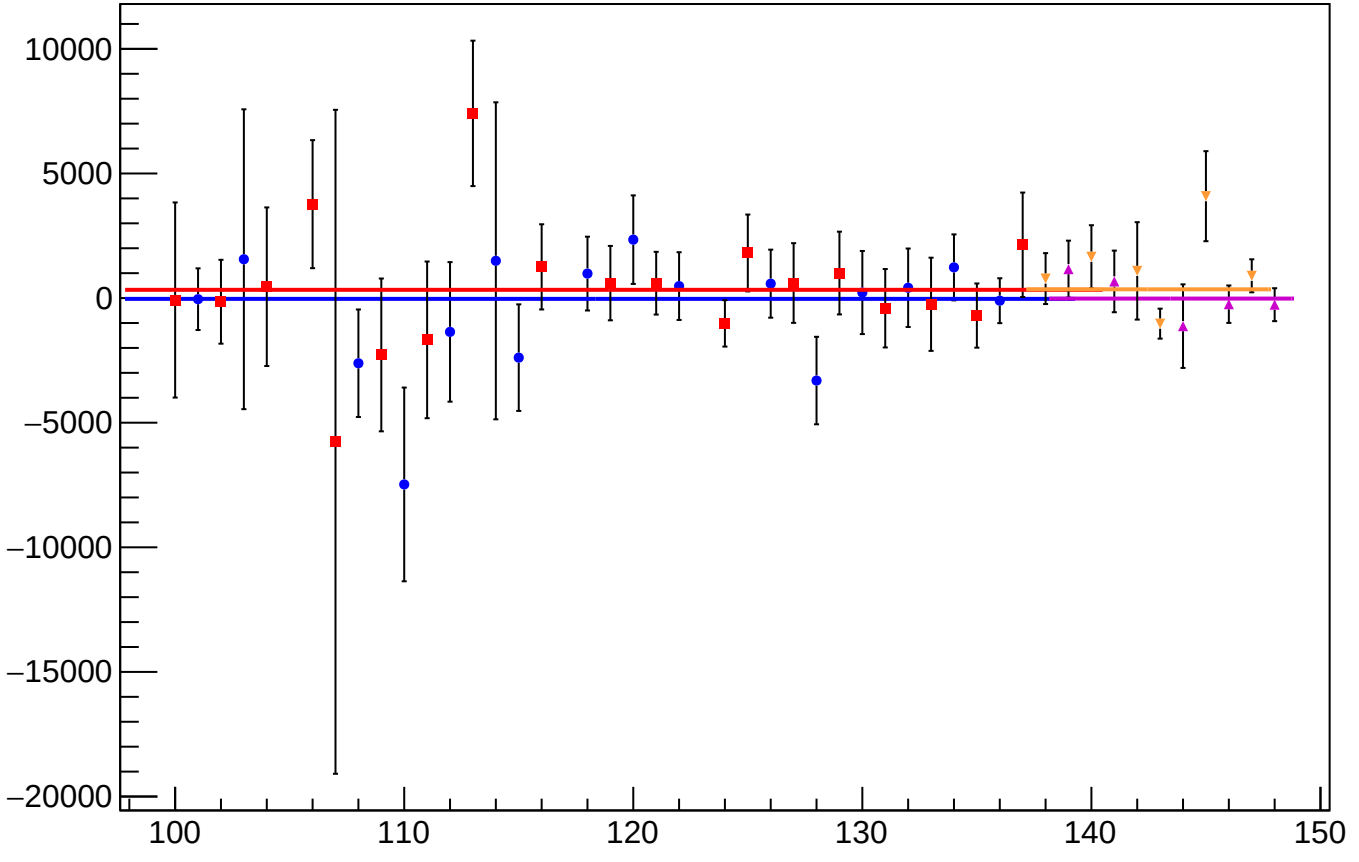
Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

+ sign 2507.970+/-0.520 χ^2/NDF: 275884.8/21

All: 2520.526+/-0.370 χ^2/NDF: 878260.9/45

- sign 2533.422+/-0.527 χ^2/NDF: 601194.2/23

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

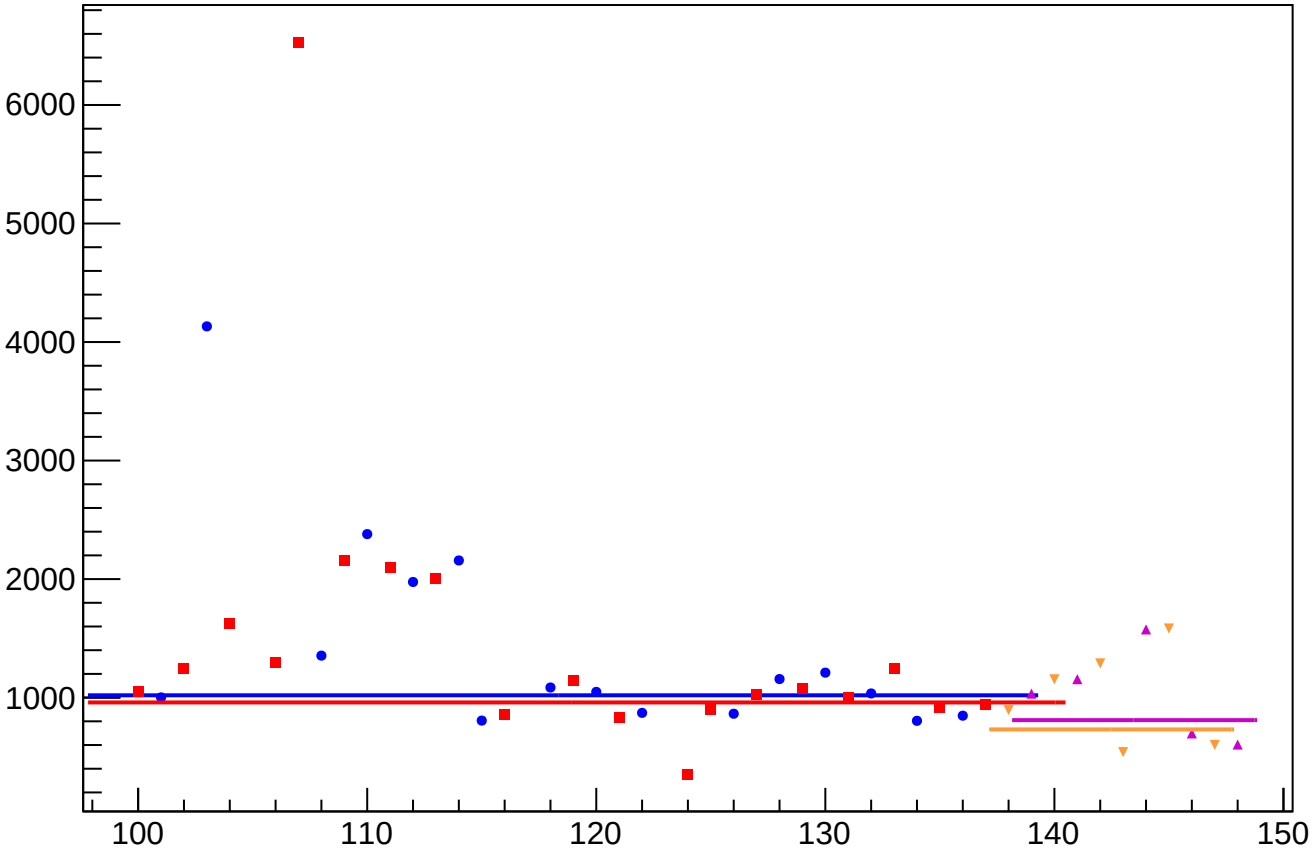
Left In: -19.333+/-413.860 χ^2/NDF:2.0/4

+ sign 176.384+/-274.498 χ^2/NDF: 25.8/21

All: 169.802+/-198.494 χ^2/NDF: 42.7/45

- sign 162.588+/-287.370 χ^2/NDF: 16.8/23

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

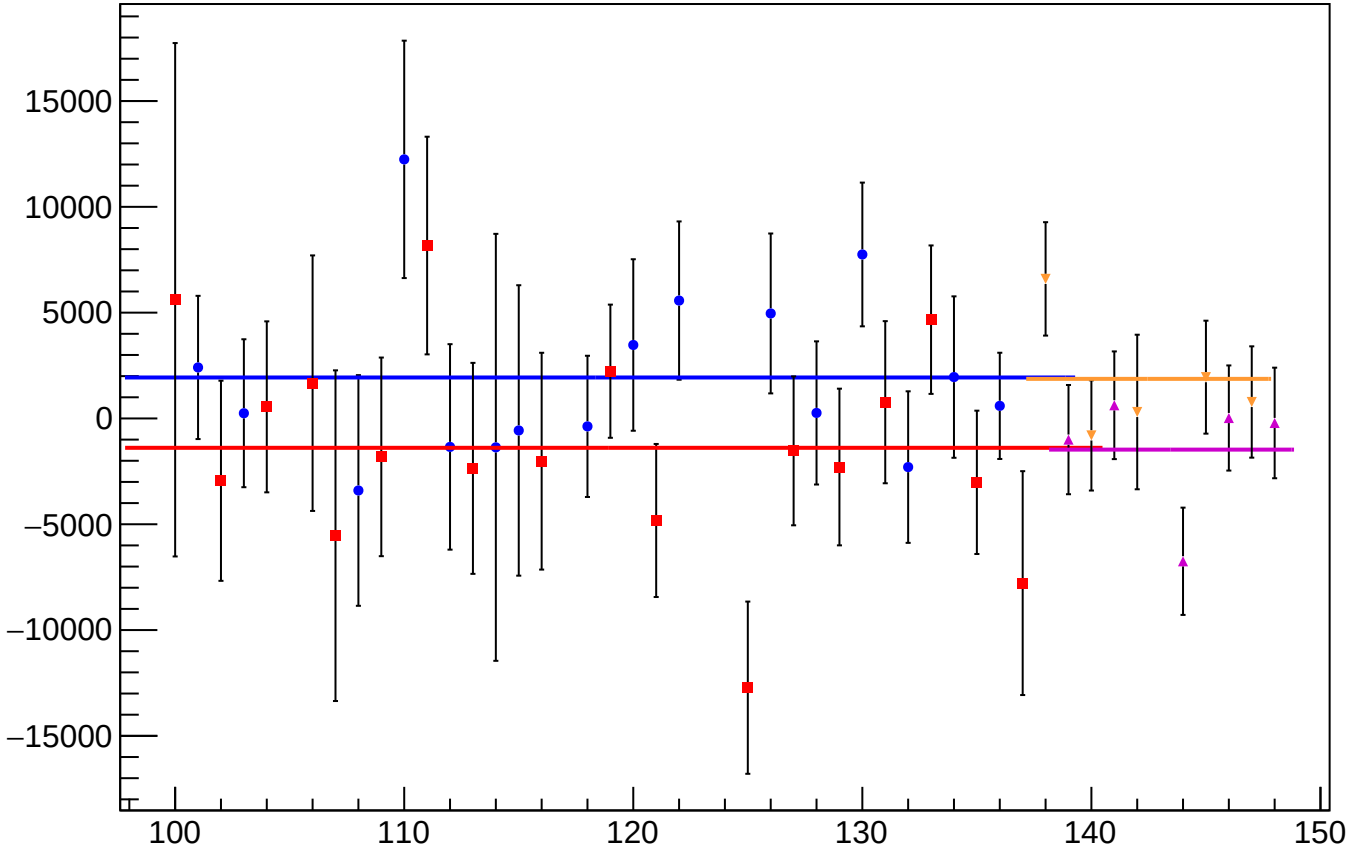
Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

\+ sign 863.398+/-0.194 χ^2/NDF: 3072814.1/21

All: 874.820+/-0.140 χ^2/NDF: 6447590.4/45

\- sign 887.338+/-0.203 χ^2/NDF: 3367518.6/23

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

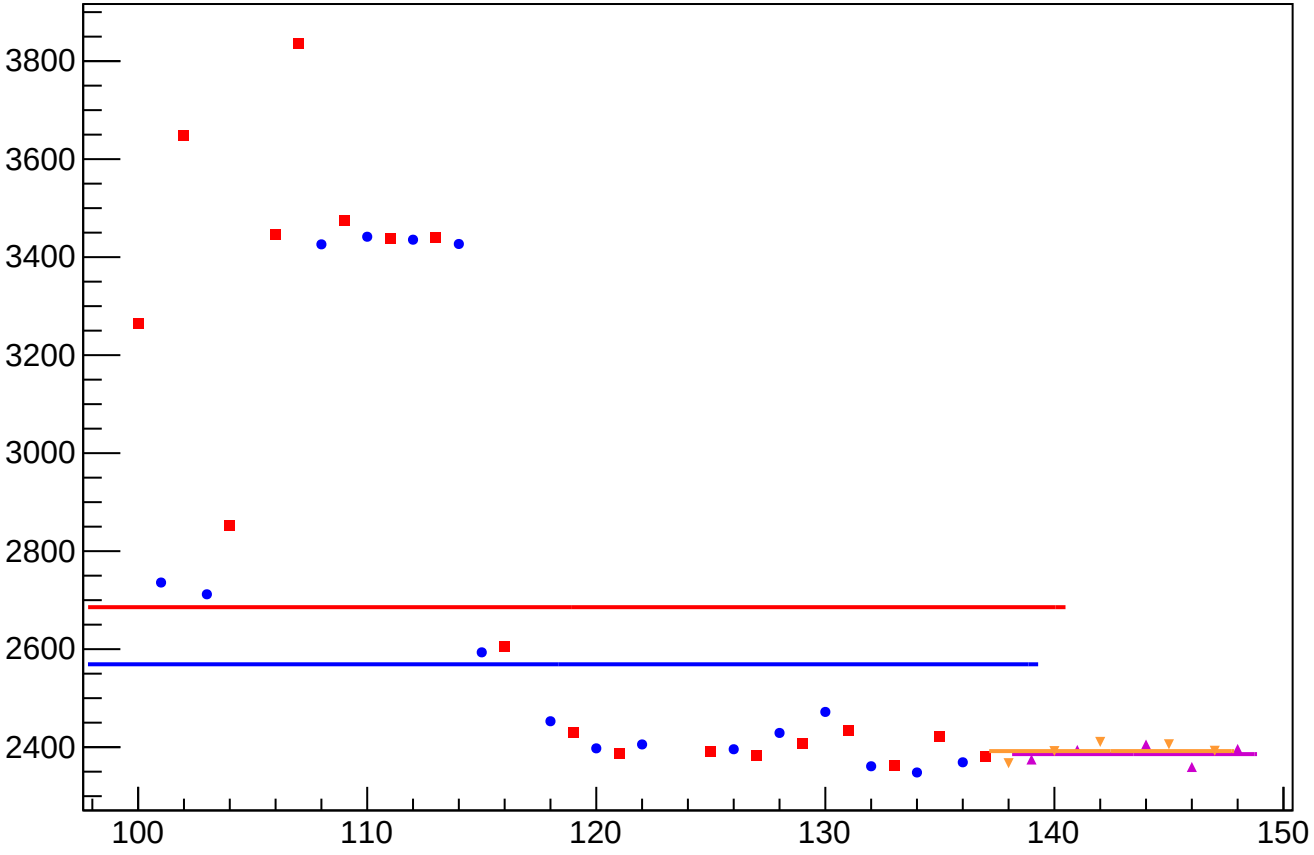
Left In: -1473.038+/-1140.645 χ^2/NDF:5.6/4

+ sign 1911.518+/-761.081 χ^2/NDF: 16.9/20

All: 231.585+/-536.286 χ^2/NDF: 52.0/43

- sign -1425.081+/-755.792 χ^2/NDF: 25.4/22

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

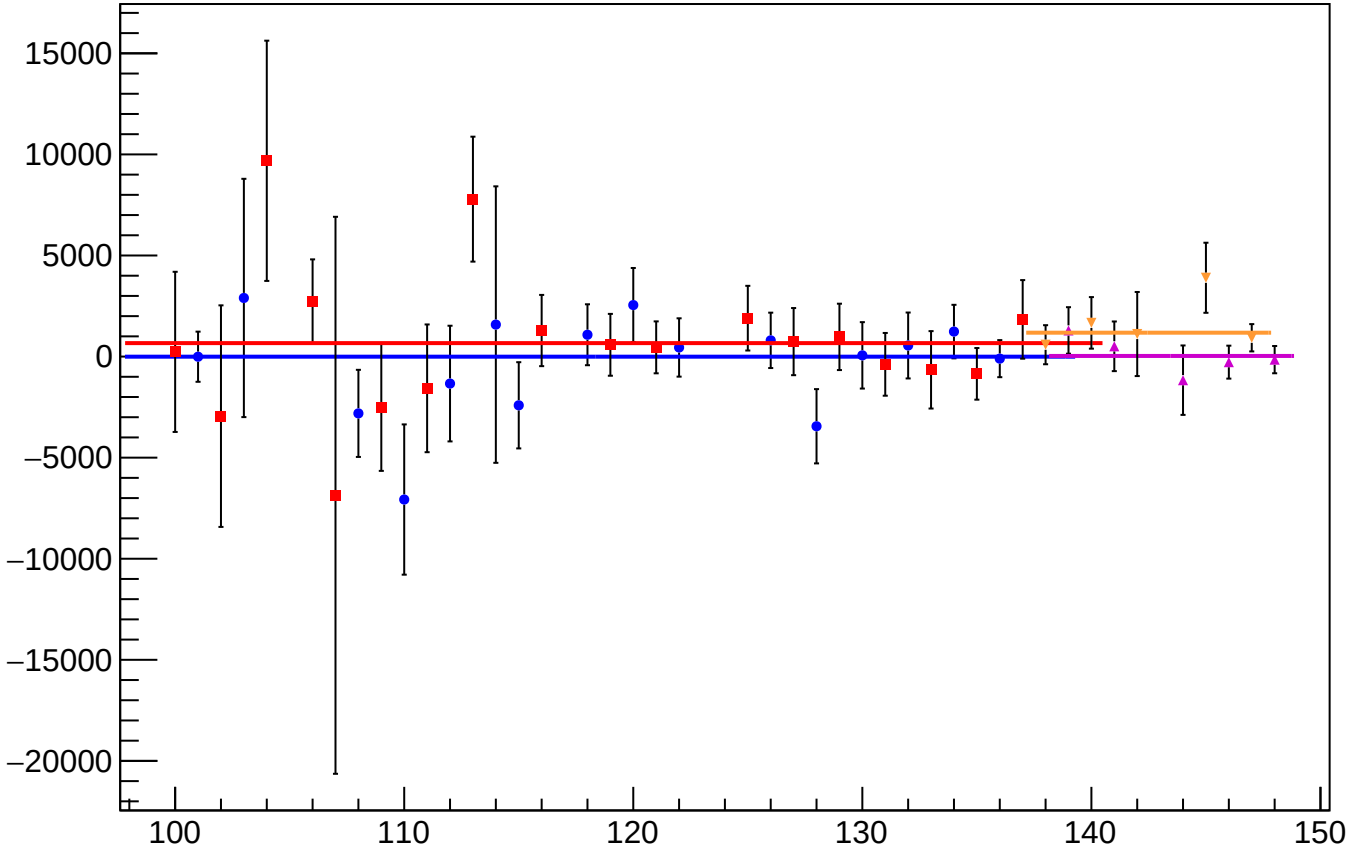
Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

+ sign 2502.782+/-0.538 χ^2/NDF: 255149.8/20

All: 2528.584+/-0.379 χ^2/NDF: 756942.3/43

- sign 2554.029+/-0.534 χ^2/NDF: 497227.0/22

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

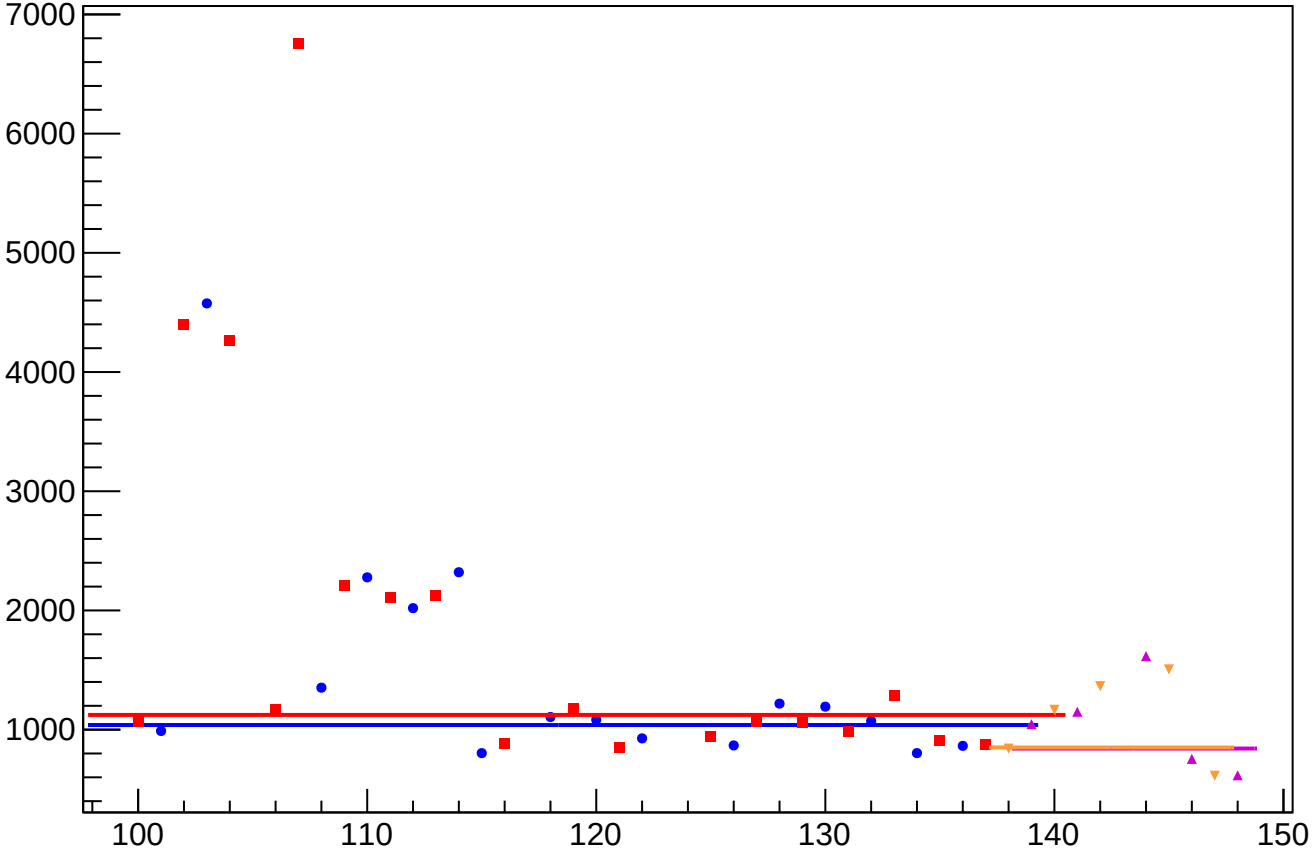
Left In: 30.899+/-427.802 χ^2/NDF:2.1/4

+ sign 505.410+/-311.148 χ^2/NDF: 21.2/20

All: 415.900+/-220.817 χ^2/NDF: 38.8/43

- sign 325.073+/-313.428 χ^2/NDF: 17.4/22

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

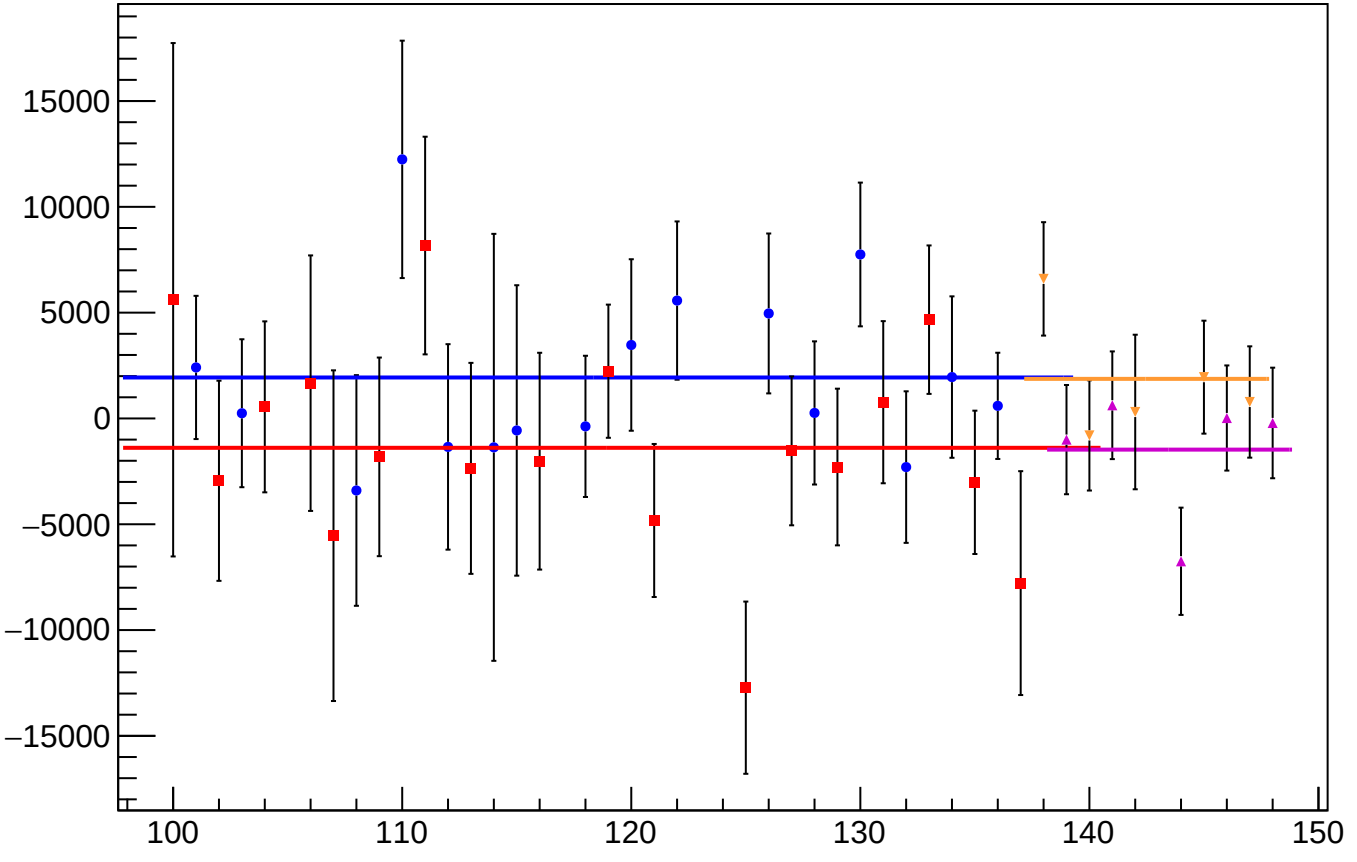
Left In: 841.439+/-0.303 χ^2/NDF:841360.8/4

+ sign 957.779+/-0.220 χ^2/NDF: 2496674.0/20

All: 964.880+/-0.156 χ^2/NDF: 6278311.9/43

- sign 972.085+/-0.222 χ^2/NDF: 3779539.2/22

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

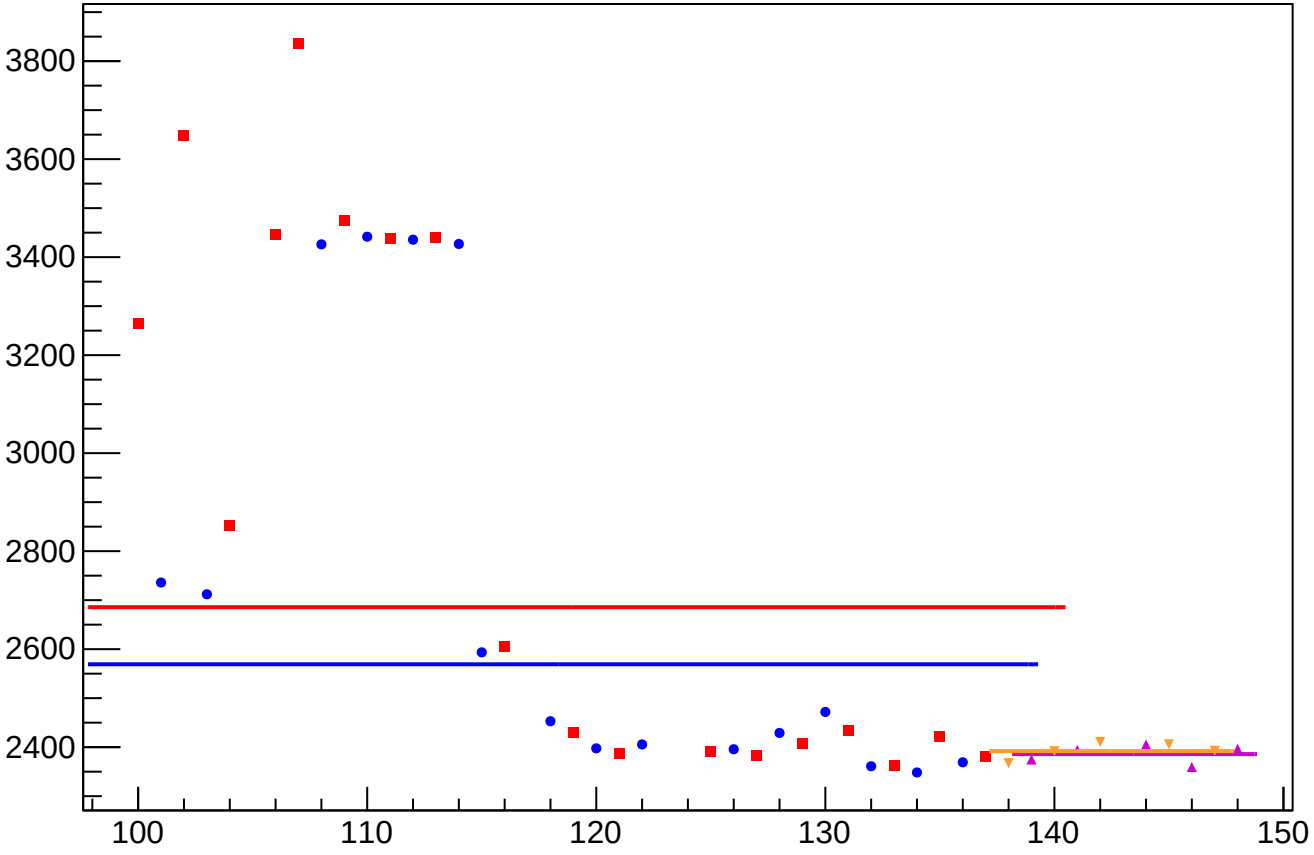
Left In: -1473.037+/-1140.645 χ^2/NDF:5.6/4

+ sign 1911.517+/-761.081 χ^2/NDF: 16.9/20

All: 231.585+/-536.286 χ^2/NDF: 52.0/43

- sign -1425.079+/-755.792 χ^2/NDF: 25.4/22

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

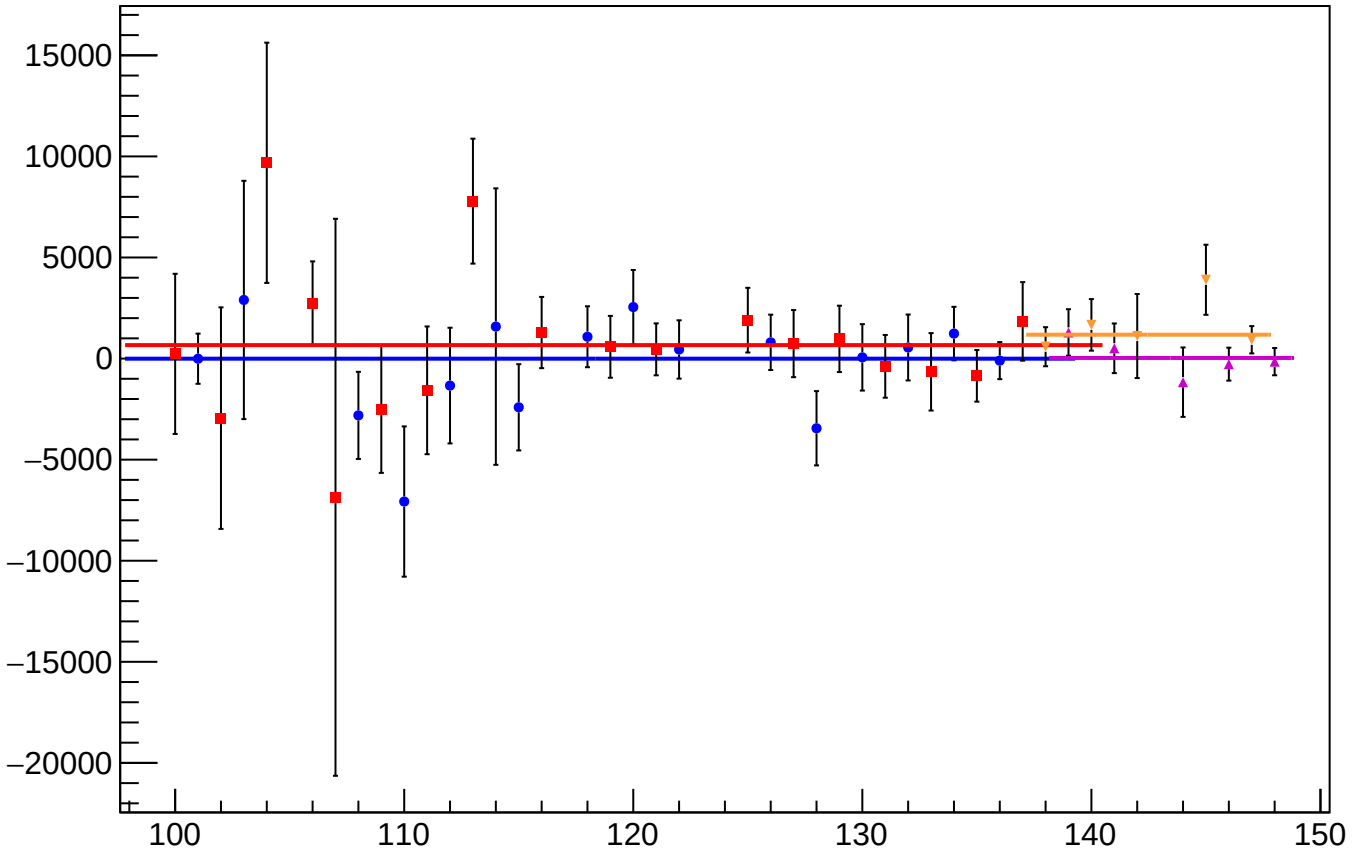
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

+ sign 2502.782+/-0.538 χ^2/NDF: 255149.5/20

All: 2528.584+/-0.379 χ^2/NDF: 756941.2/43

- sign 2554.029+/-0.534 χ^2/NDF: 497226.2/22



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

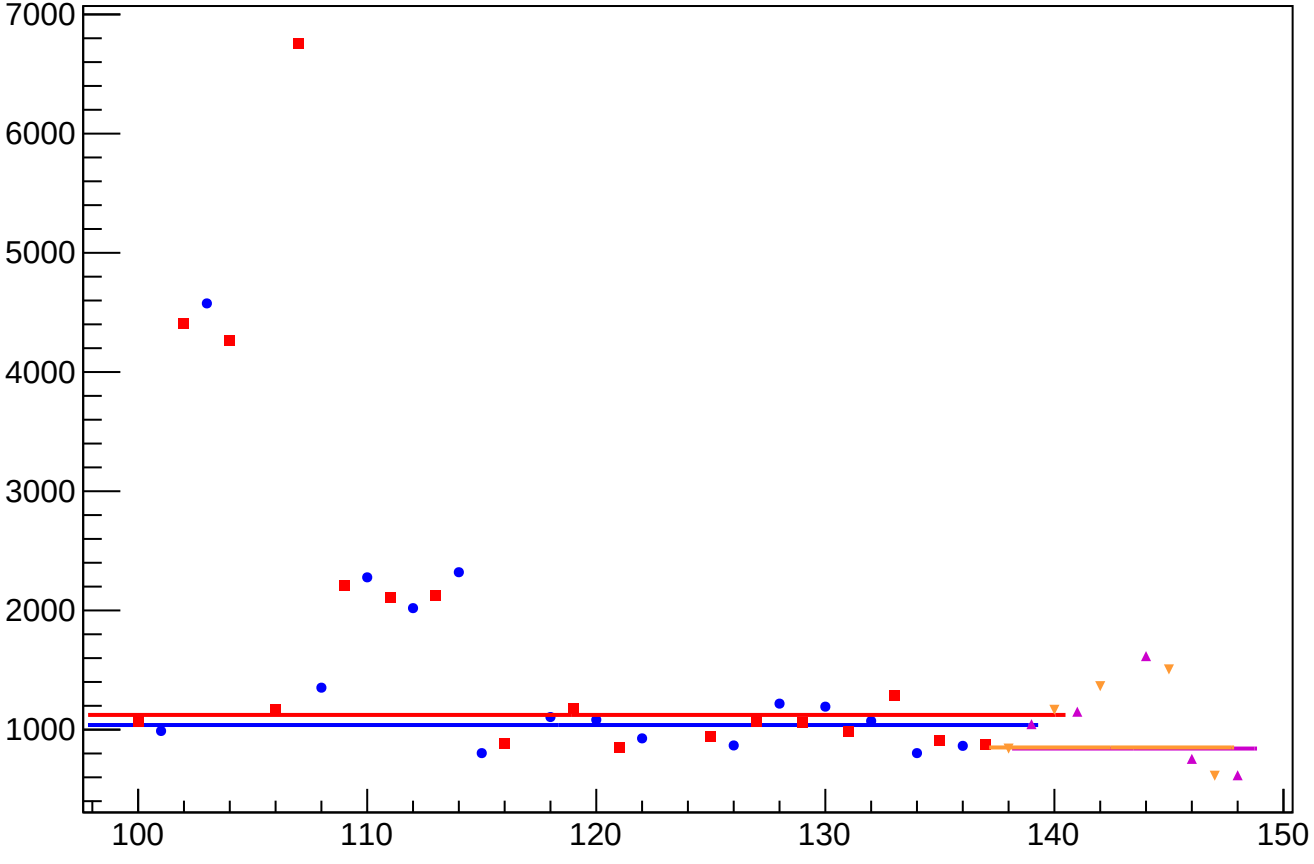
Left In: 30.900+/-427.803 χ^2/NDF:2.1/4

+ sign 505.408+/-311.148 χ^2/NDF: 21.2/20

All: 415.900+/-220.817 χ^2/NDF: 38.8/43

- sign 325.074+/-313.429 χ^2/NDF: 17.4/22

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

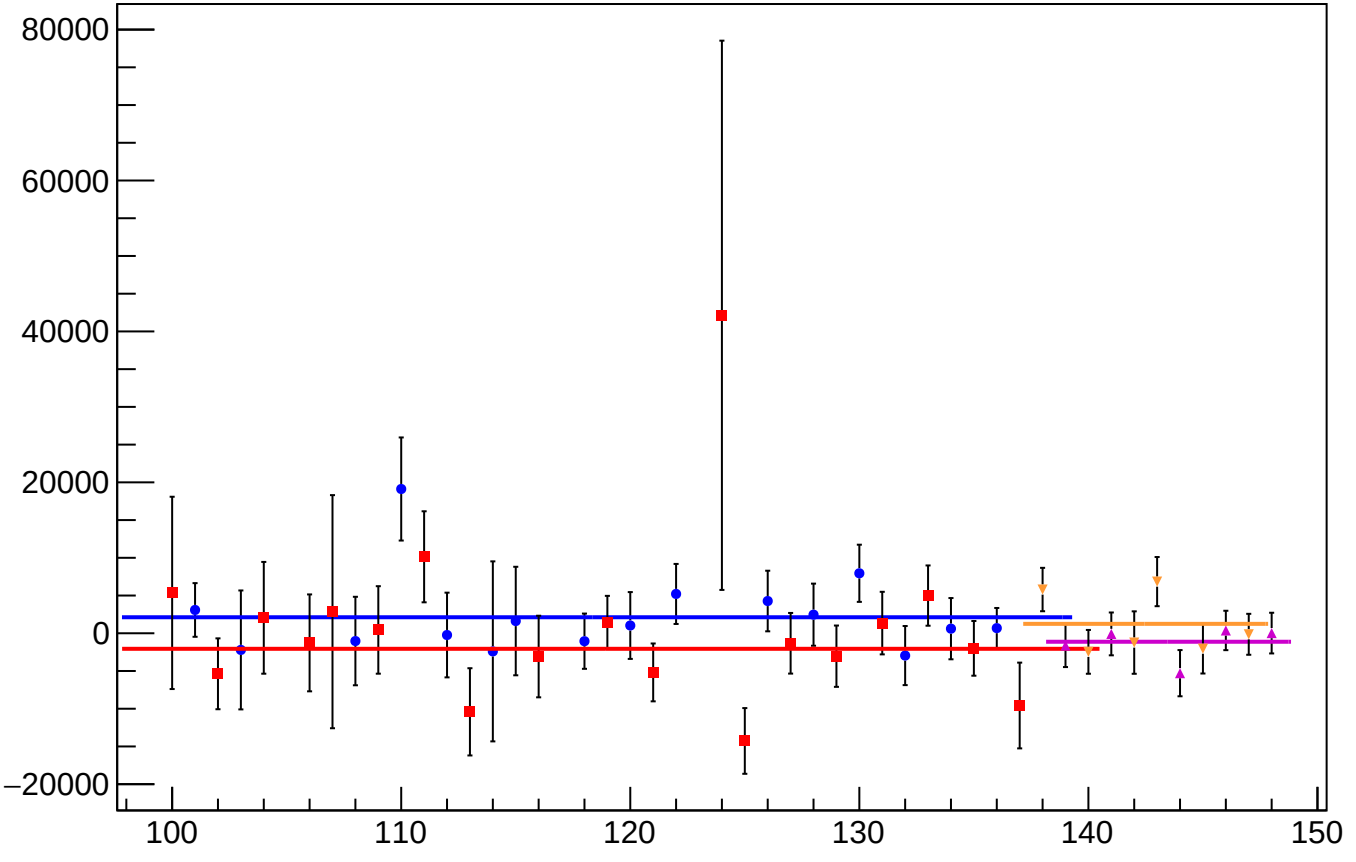
Left In: 841.440+/-0.303 χ^2/NDF:841359.0/4

+ sign 957.780+/-0.220 χ^2/NDF: 2496664.5/20

All: 964.881+/-0.156 χ^2/NDF: 6278294.4/43

- sign 972.086+/-0.222 χ^2/NDF: 3779531.2/22

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

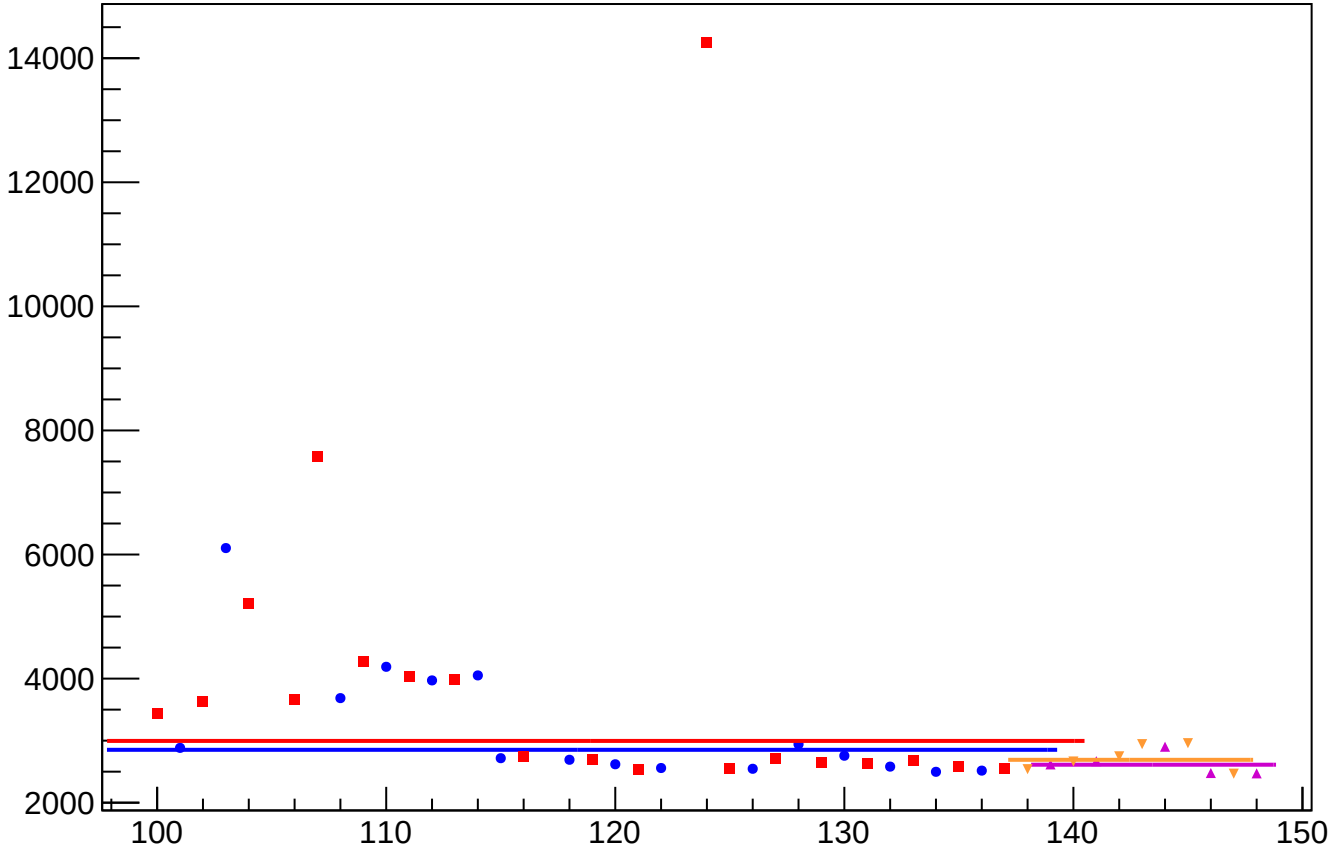
Left In: -1124.578+/-1251.501 χ^2/NDF:2.5/4

+ sign 1752.990+/-824.667 χ^2/NDF: 22.3/21

All: 92.211+/-588.981 χ^2/NDF: 57.8/45

- sign -1636.966+/-841.477 χ^2/NDF: 27.2/23

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

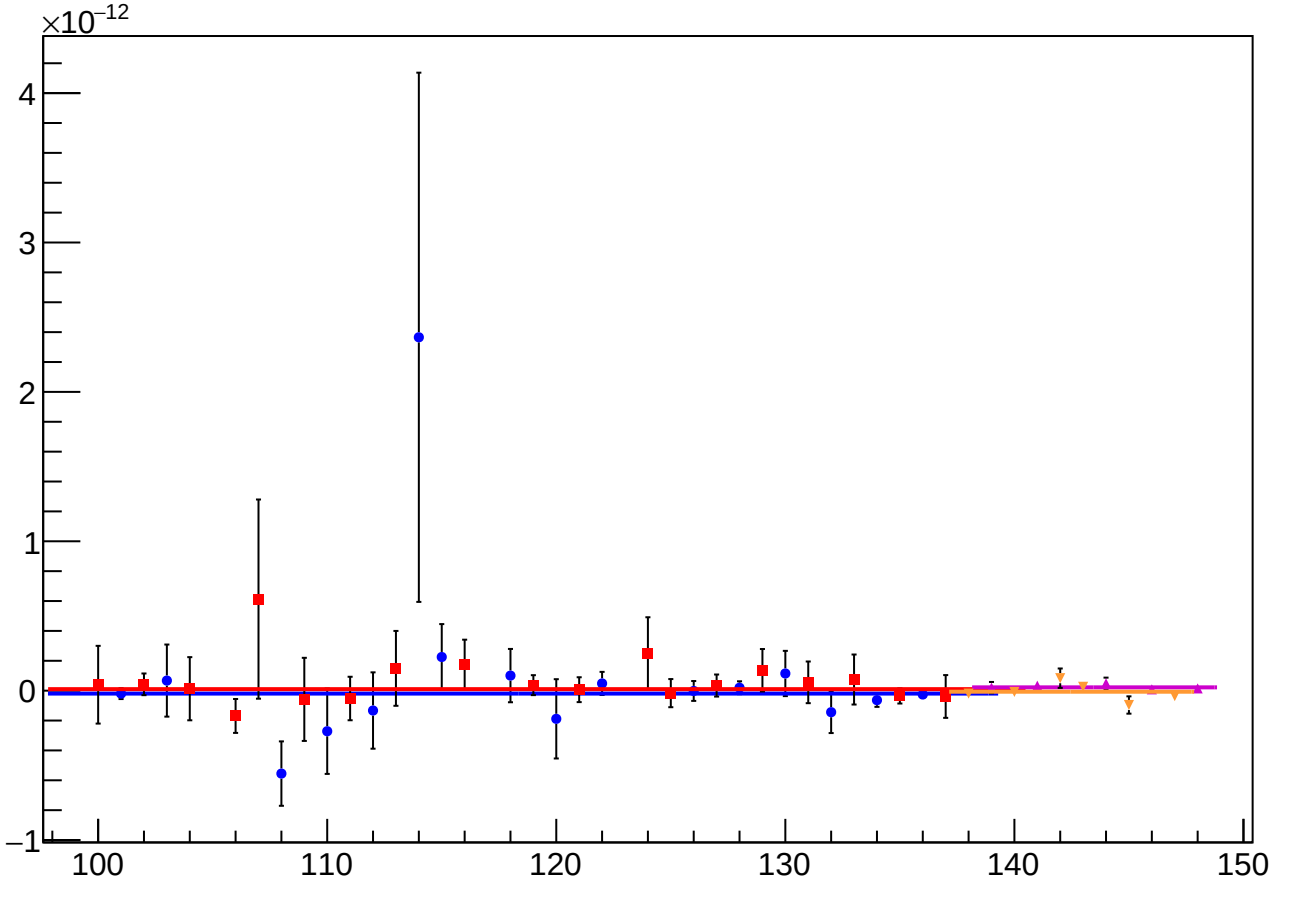
Left In: 2612.012+/-0.885 χ^2/NDF:29360.7/4

+ sign 2784.161+/-0.583 χ^2/NDF: 712266.9/21

All: 2802.769+/-0.416 χ^2/NDF: 1825780.8/45

- sign 2822.144+/-0.595 χ^2/NDF: 1111435.3/23

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

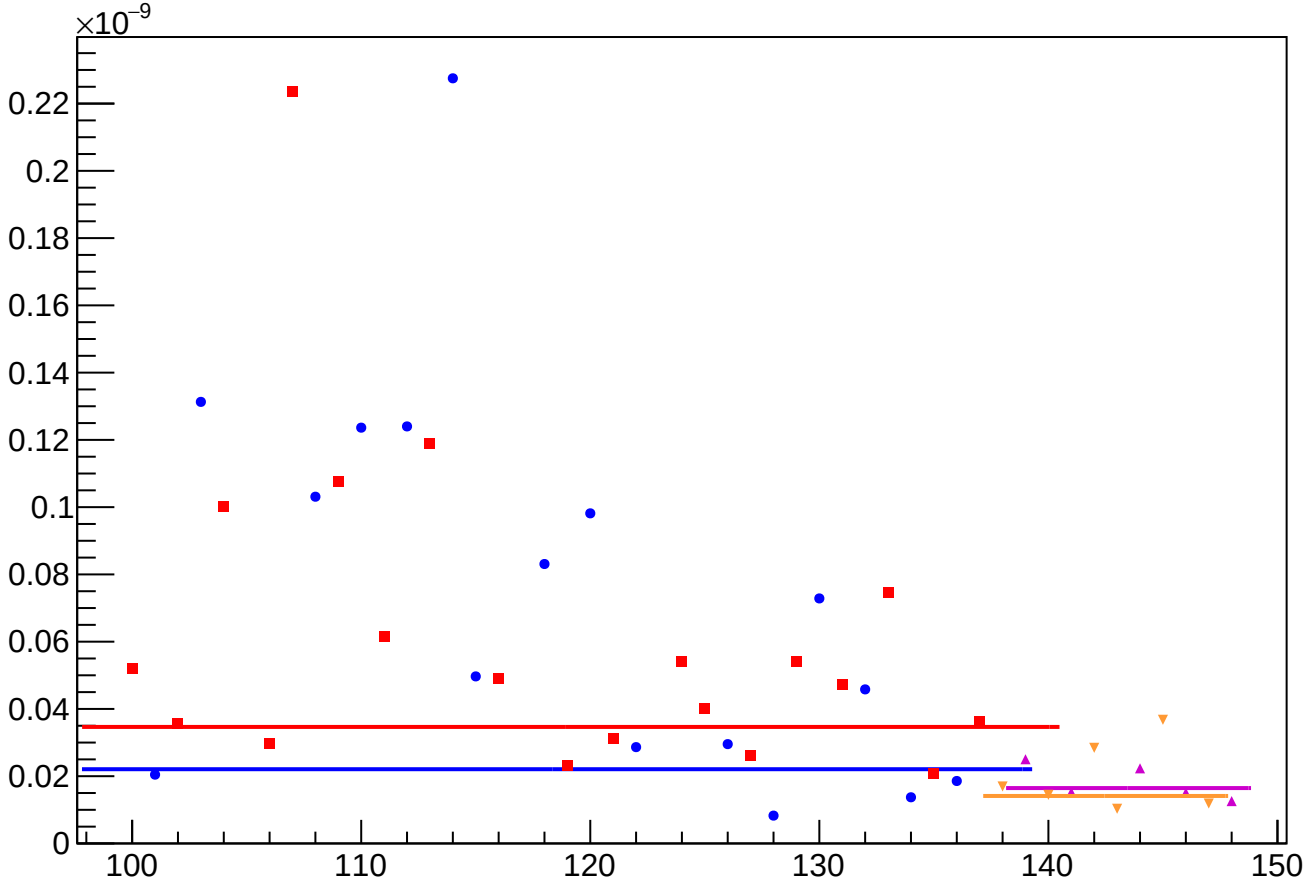
Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/21

All: 0.000+/-0.000 χ^2/NDF: 38.5/45

- sign 0.000+/-0.000 χ^2/NDF: 9.5/23

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:523934.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

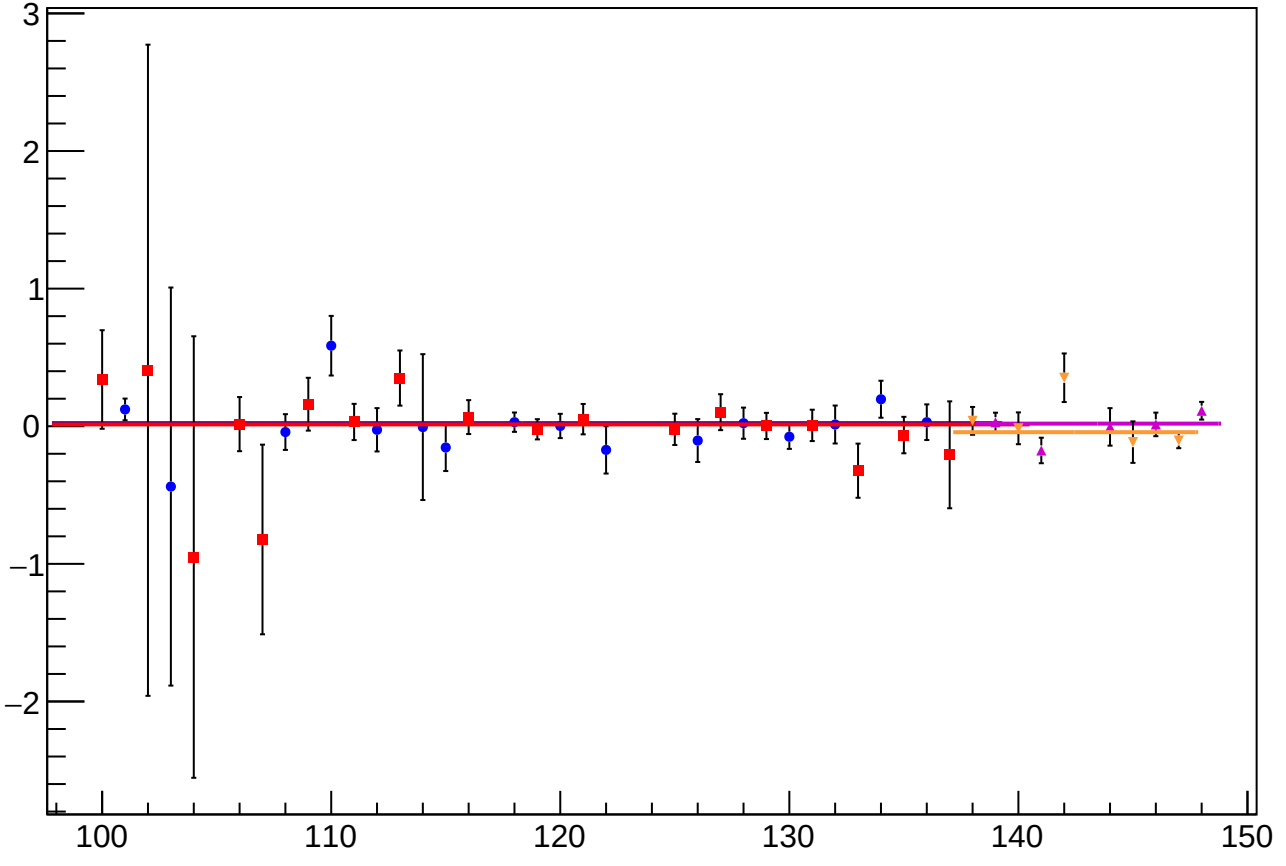
Left In: 0.000+/-0.000 χ^2/NDF:214221.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3172187.1/21

All: 0.000+/-0.000 χ^2/NDF: 5639108.1/45

- sign 0.000+/-0.000 χ^2/NDF: 2309774.1/23

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

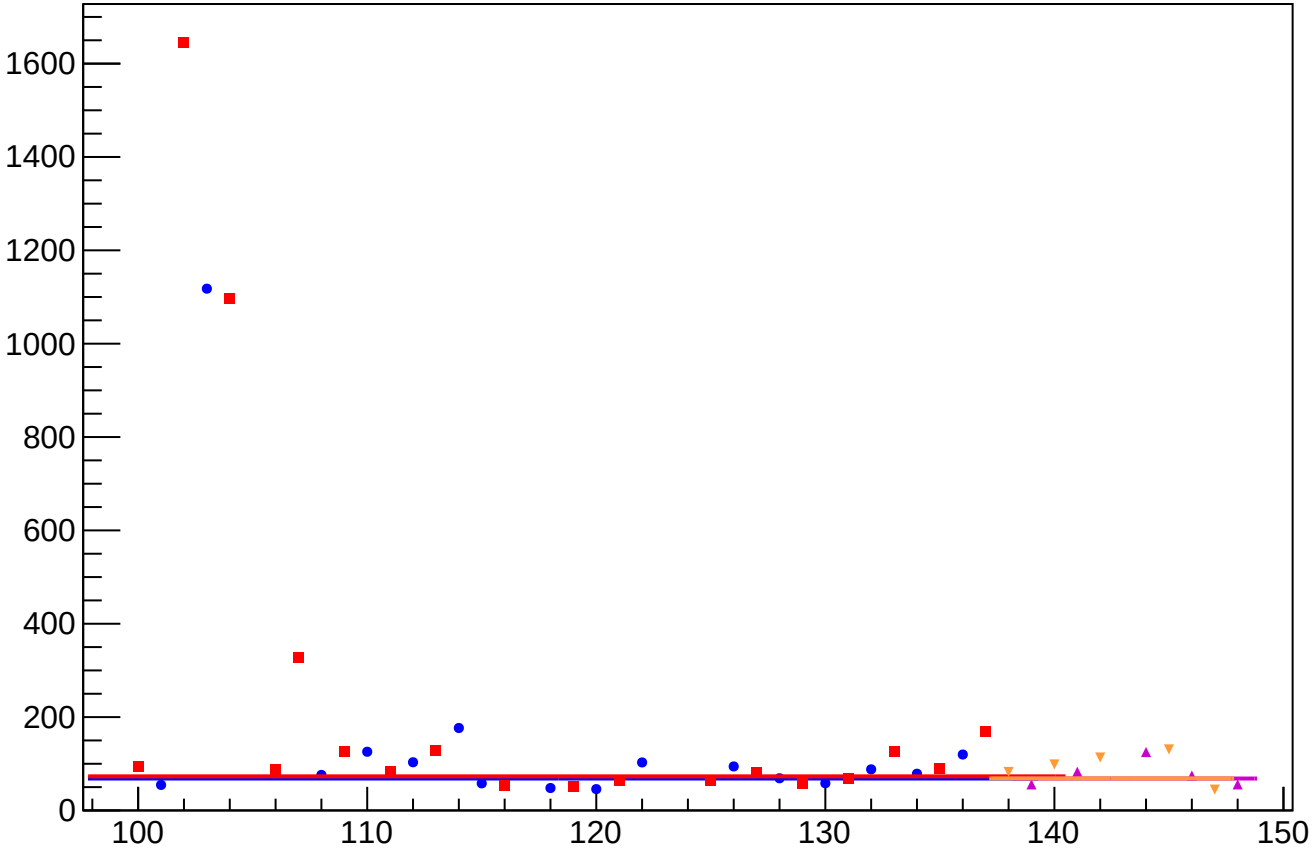
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: 0.008+/-0.017 χ^2/NDF: 41.2/43

- sign 0.016+/-0.025 χ^2/NDF: 17.4/22

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

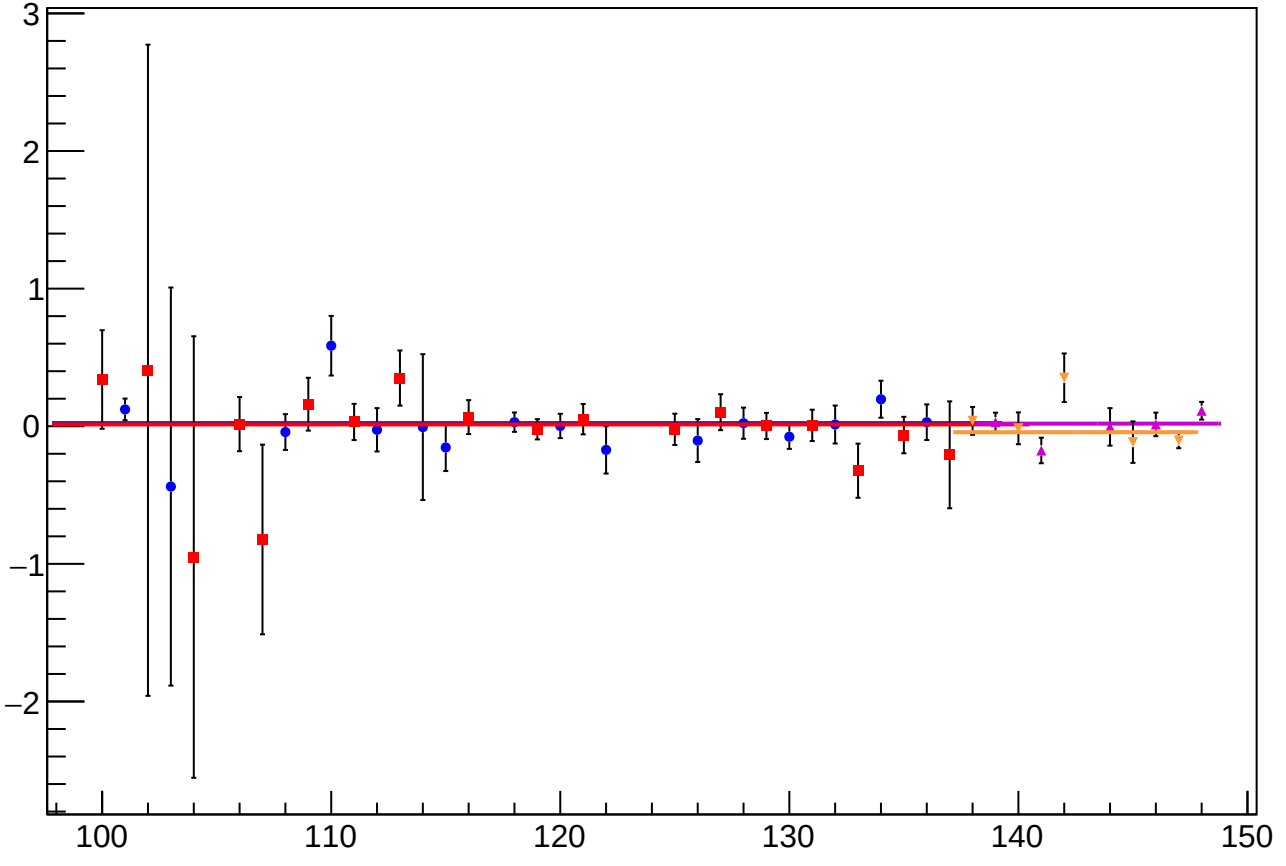
Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

+ sign 68.513+/-0.017 χ^2/NDF: 3290338.2/20

All: 69.711+/-0.012 χ^2/NDF: 6781458.3/43

- sign 70.925+/-0.017 χ^2/NDF: 3481456.7/22

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

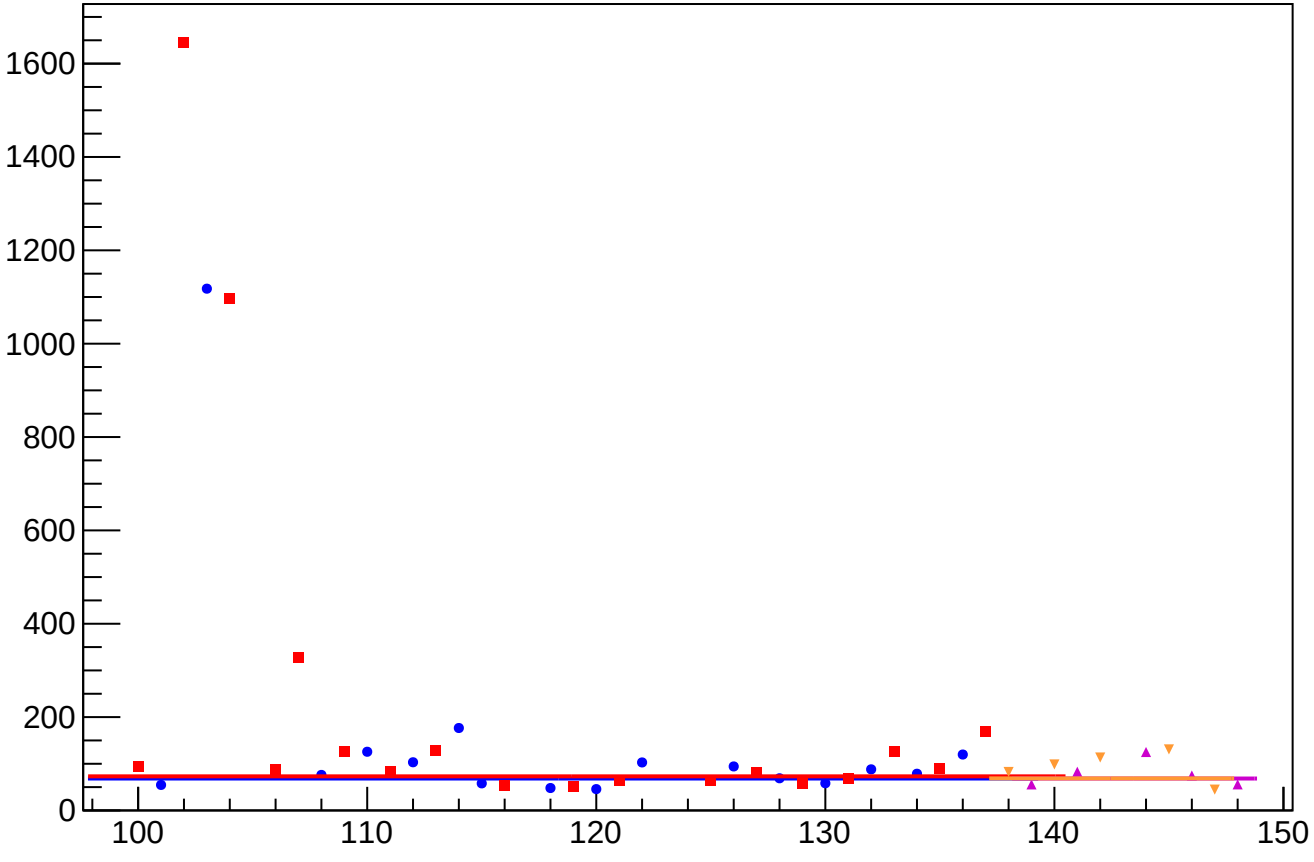
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: 0.008+/-0.017 χ^2/NDF: 41.2/43

- sign 0.016+/-0.025 χ^2/NDF: 17.4/22

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

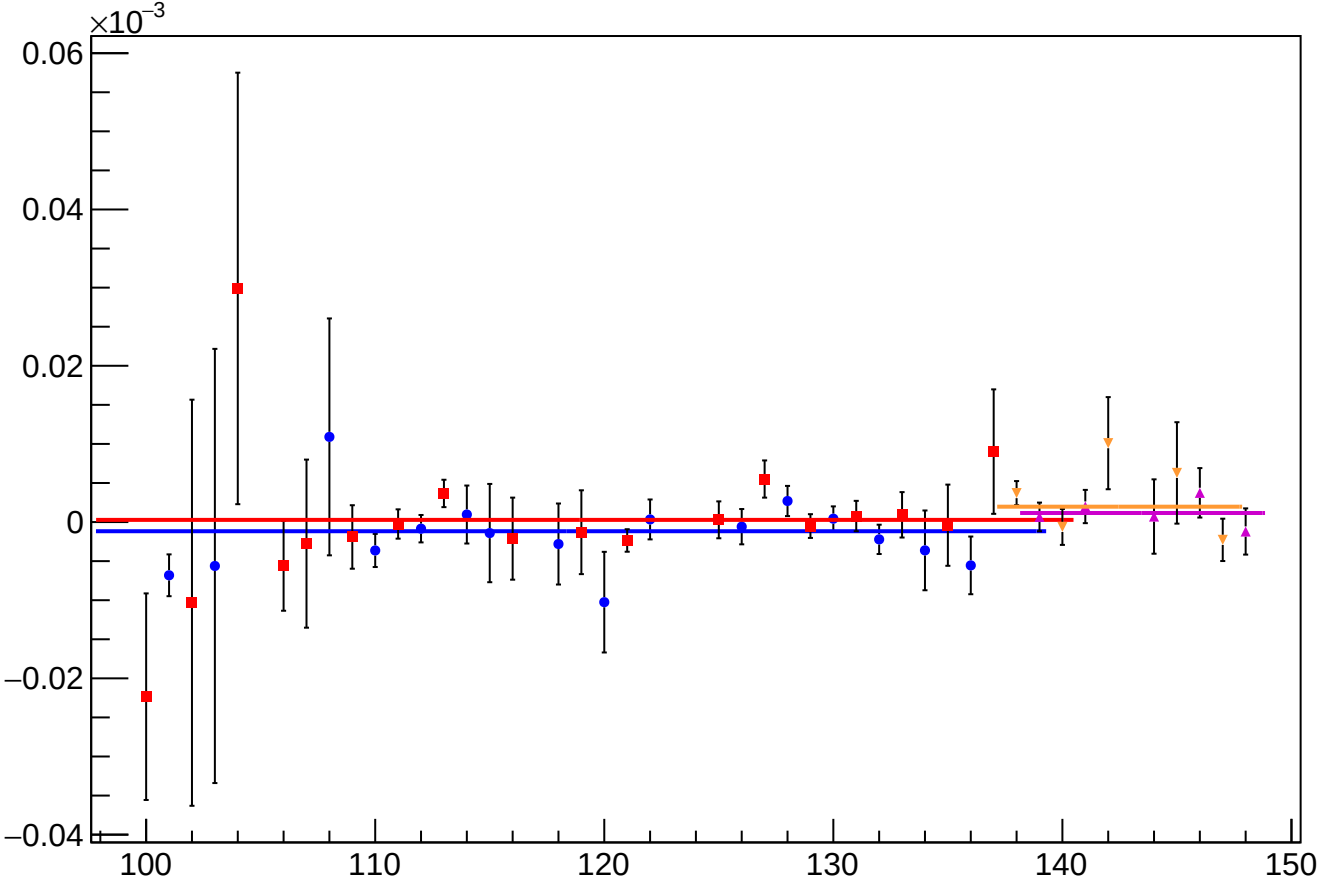
Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

+ sign 68.513+/-0.017 χ^2/NDF: 3290338.2/20

All: 69.711+/-0.012 χ^2/NDF: 6781458.3/43

- sign 70.925+/-0.017 χ^2/NDF: 3481456.7/22

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

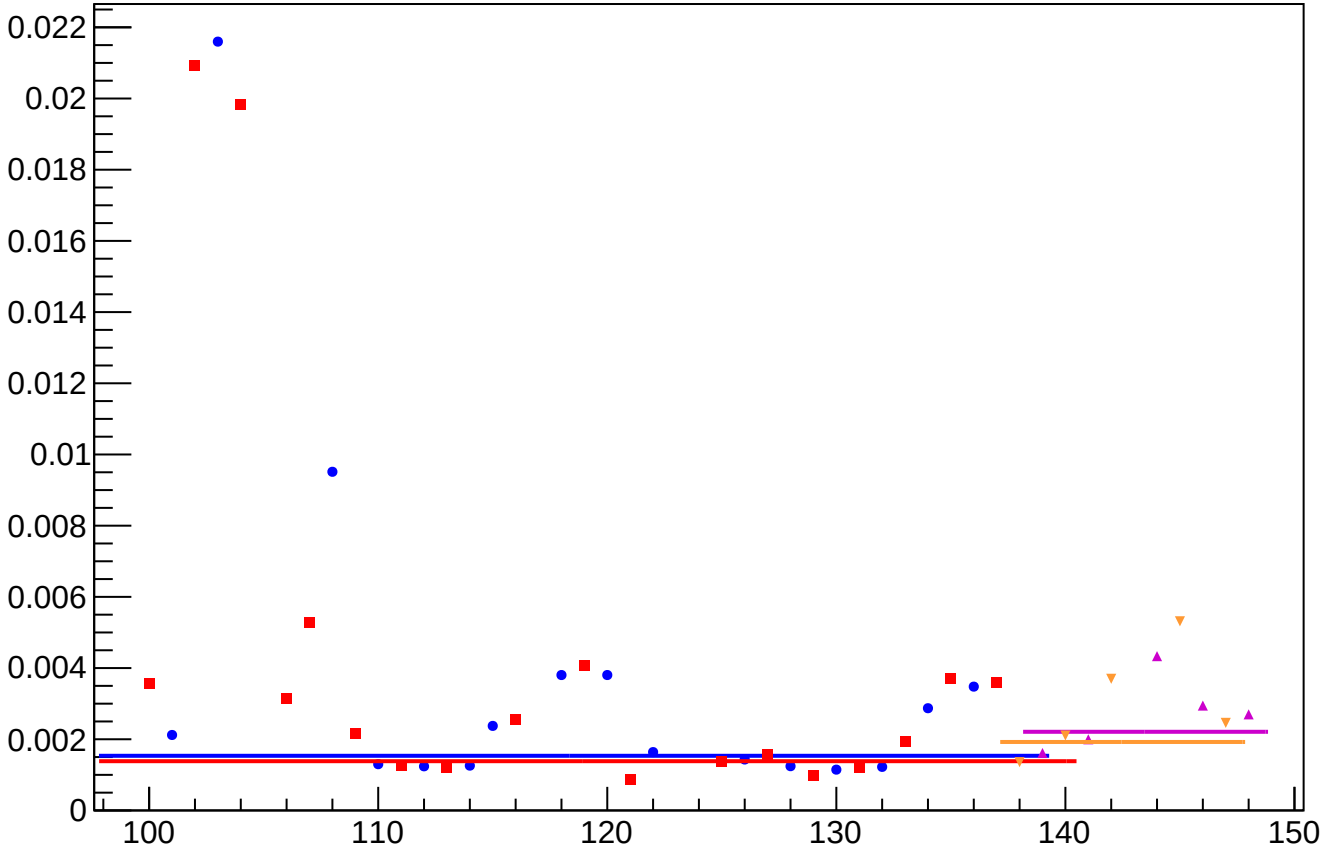
Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/20

All: 0.000+/-0.000 χ^2/NDF: 52.1/43

- sign 0.000+/-0.000 χ^2/NDF: 21.5/22

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

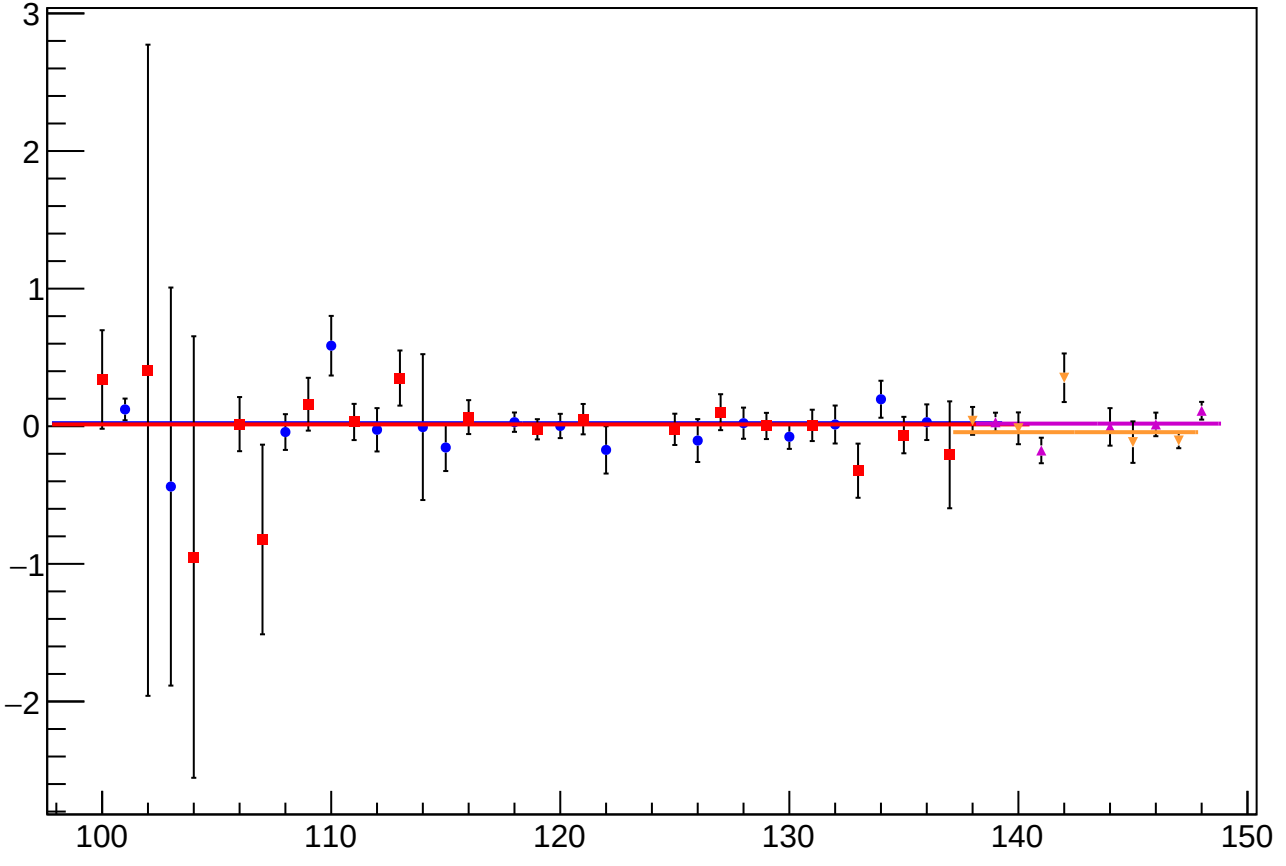
Left In: 0.002+/-0.000 χ^2/NDF:792720.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 4640788.3/20

All: 0.002+/-0.000 χ^2/NDF: 10520912.4/43

- sign 0.002+/-0.000 χ^2/NDF: 5869746.7/22

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

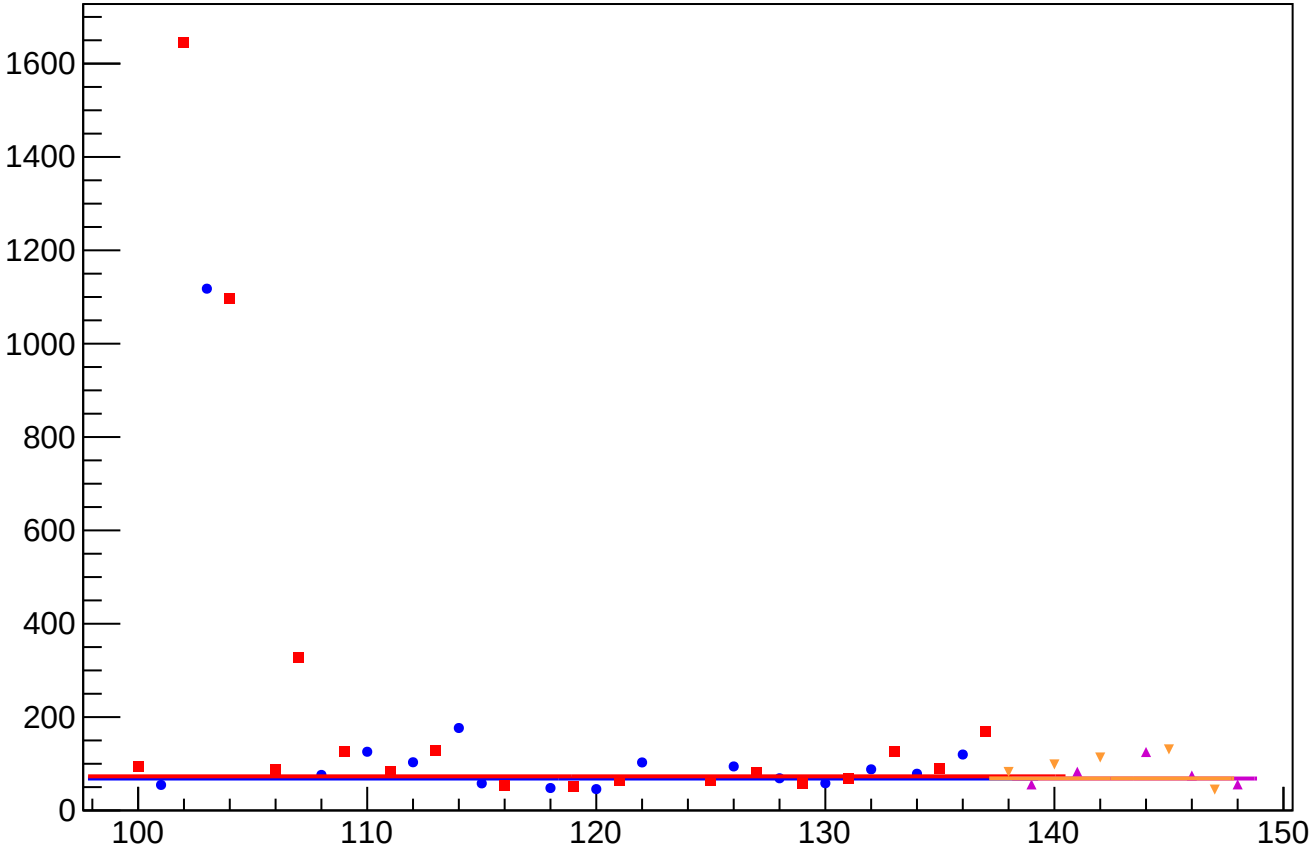
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: 0.008+/-0.017 χ^2/NDF: 41.2/43

- sign 0.016+/-0.025 χ^2/NDF: 17.4/22

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

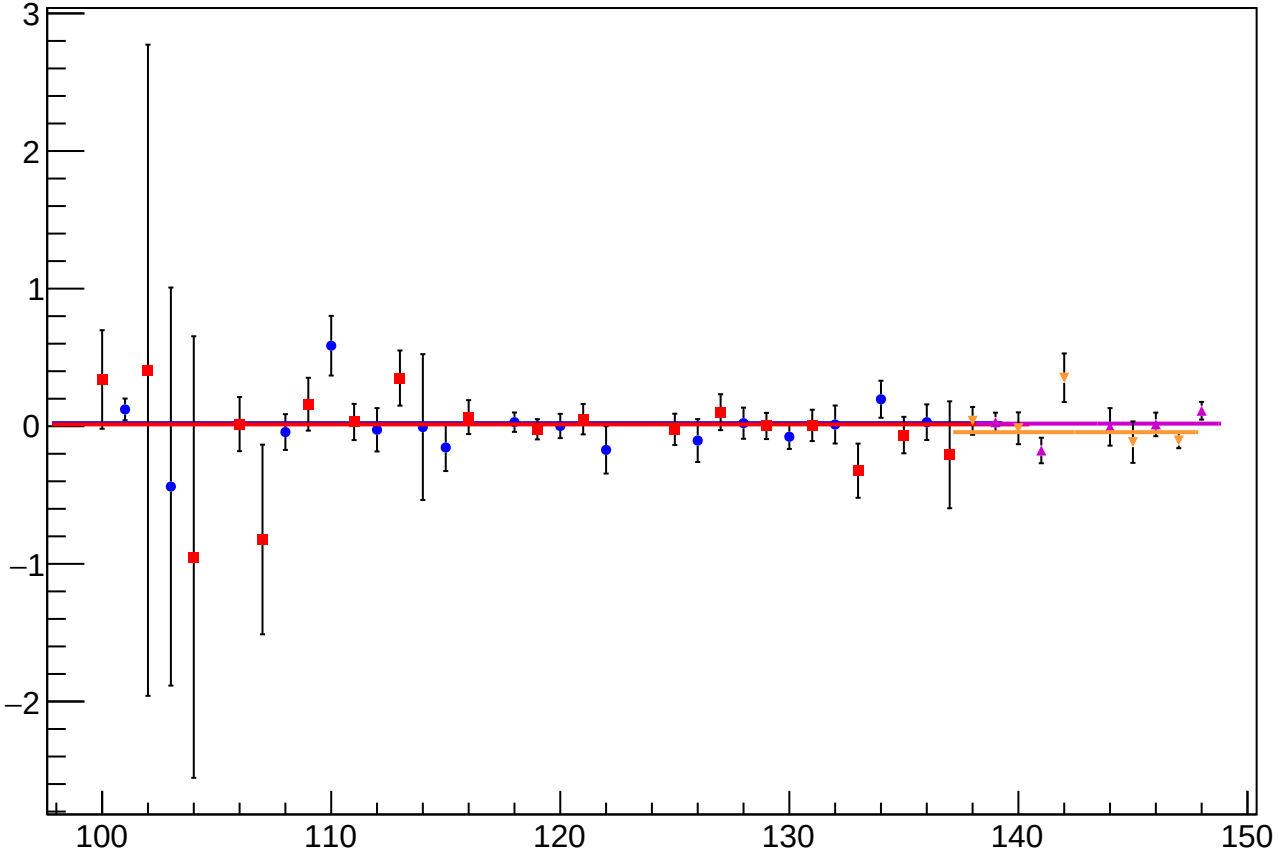
Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

+ sign 68.513+/-0.017 χ^2/NDF: 3290303.9/20

All: 69.711+/-0.012 χ^2/NDF: 6781438.7/43

- sign 70.925+/-0.017 χ^2/NDF: 3481475.7/22

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

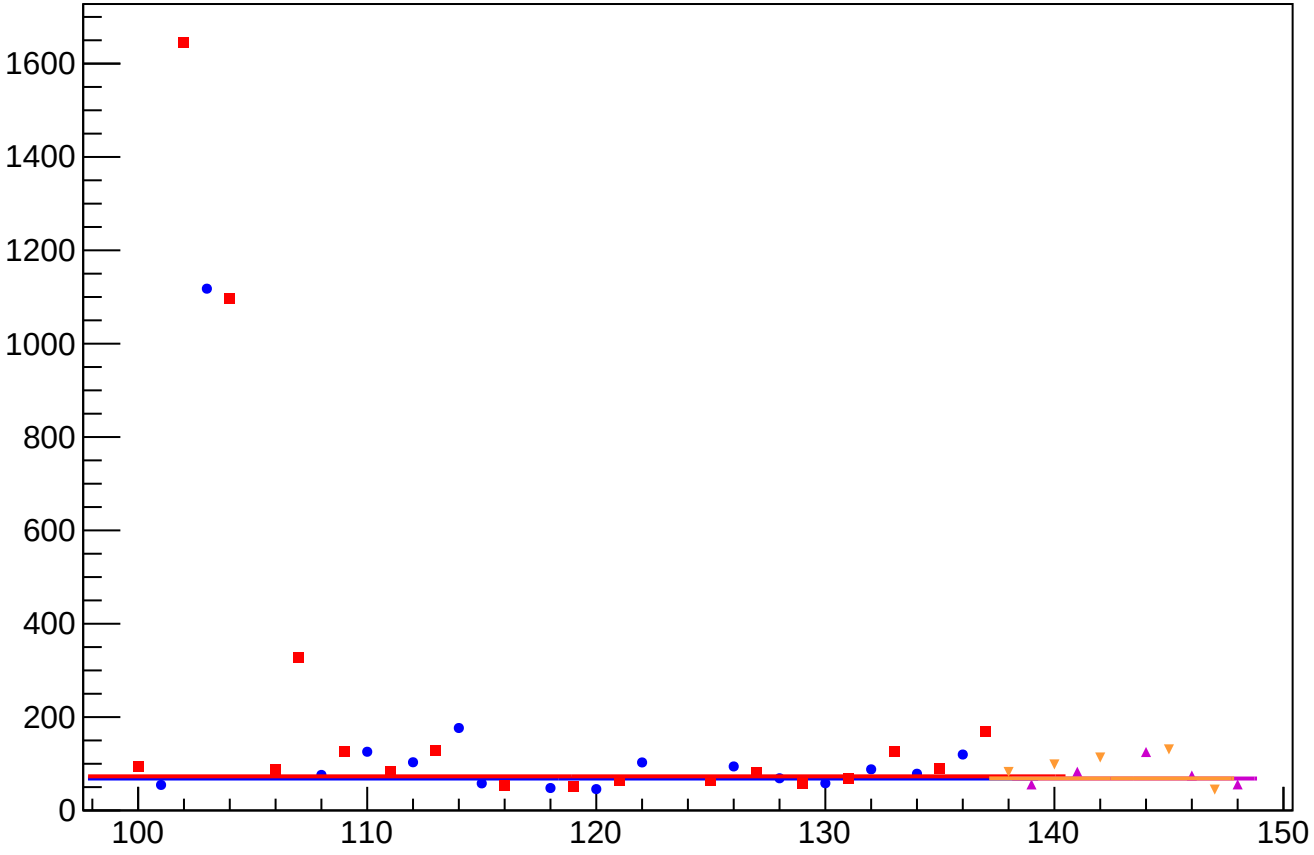
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign -0.000+/-0.024 χ^2/NDF: 23.6/20

All: 0.008+/-0.017 χ^2/NDF: 41.2/43

- sign 0.016+/-0.025 χ^2/NDF: 17.4/22

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

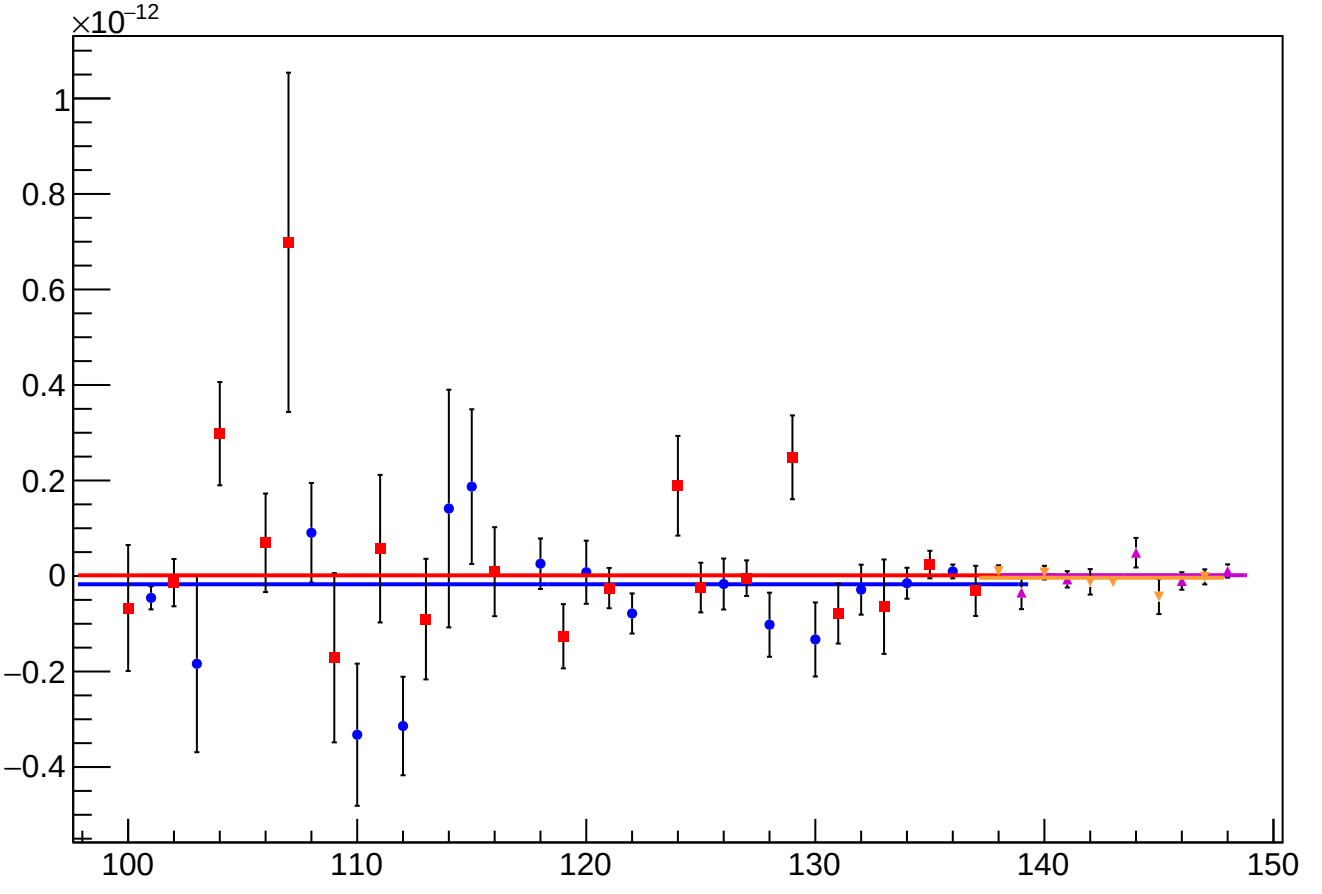
Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

+ sign 68.513+/-0.017 χ^2/NDF: 3290303.9/20

All: 69.711+/-0.012 χ^2/NDF: 6781438.7/43

- sign 70.925+/-0.017 χ^2/NDF: 3481475.7/22

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

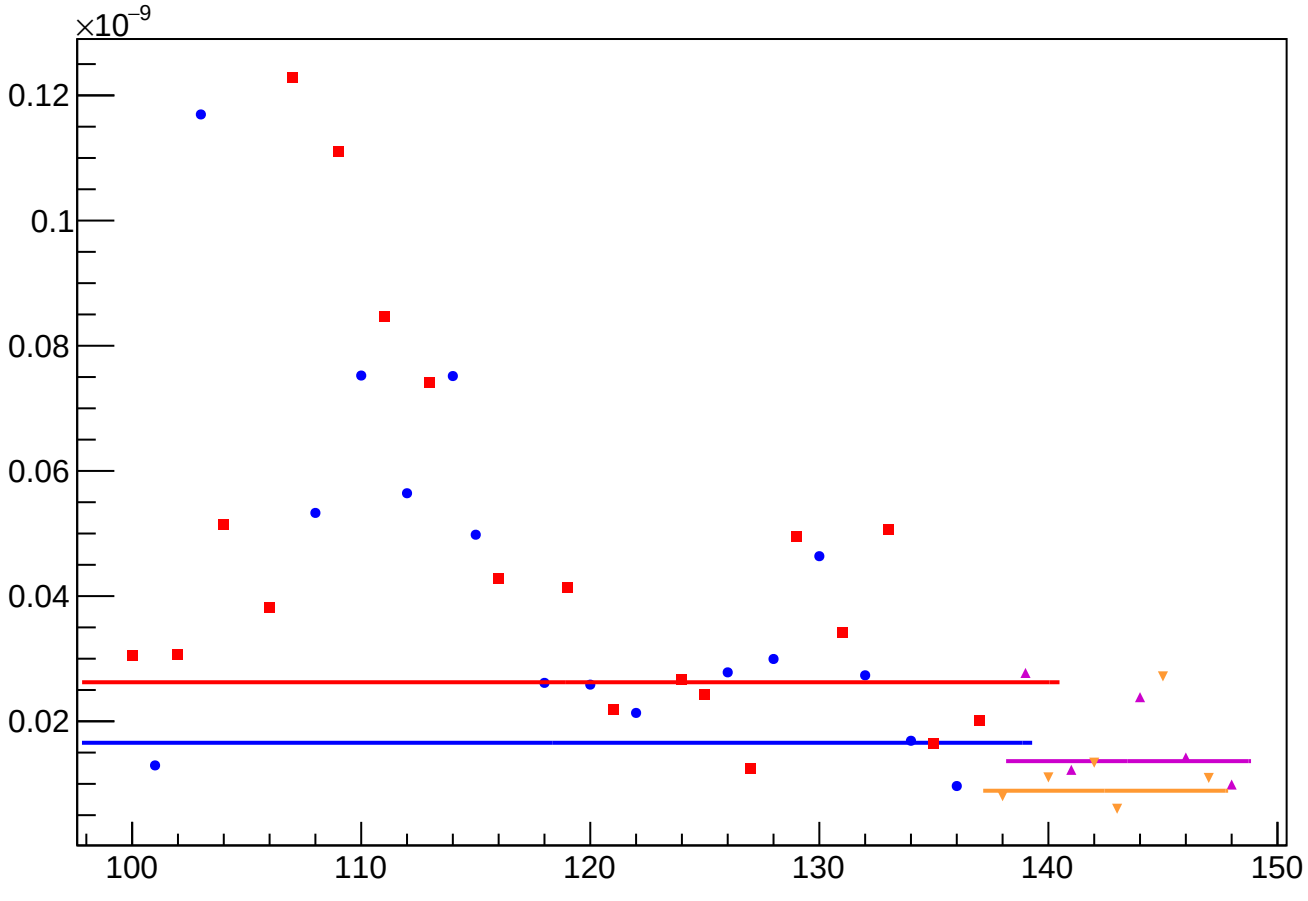
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/21

All: -0.000+/-0.000 χ^2/NDF: 71.3/45

- sign 0.000+/-0.000 χ^2/NDF: 36.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:832824.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

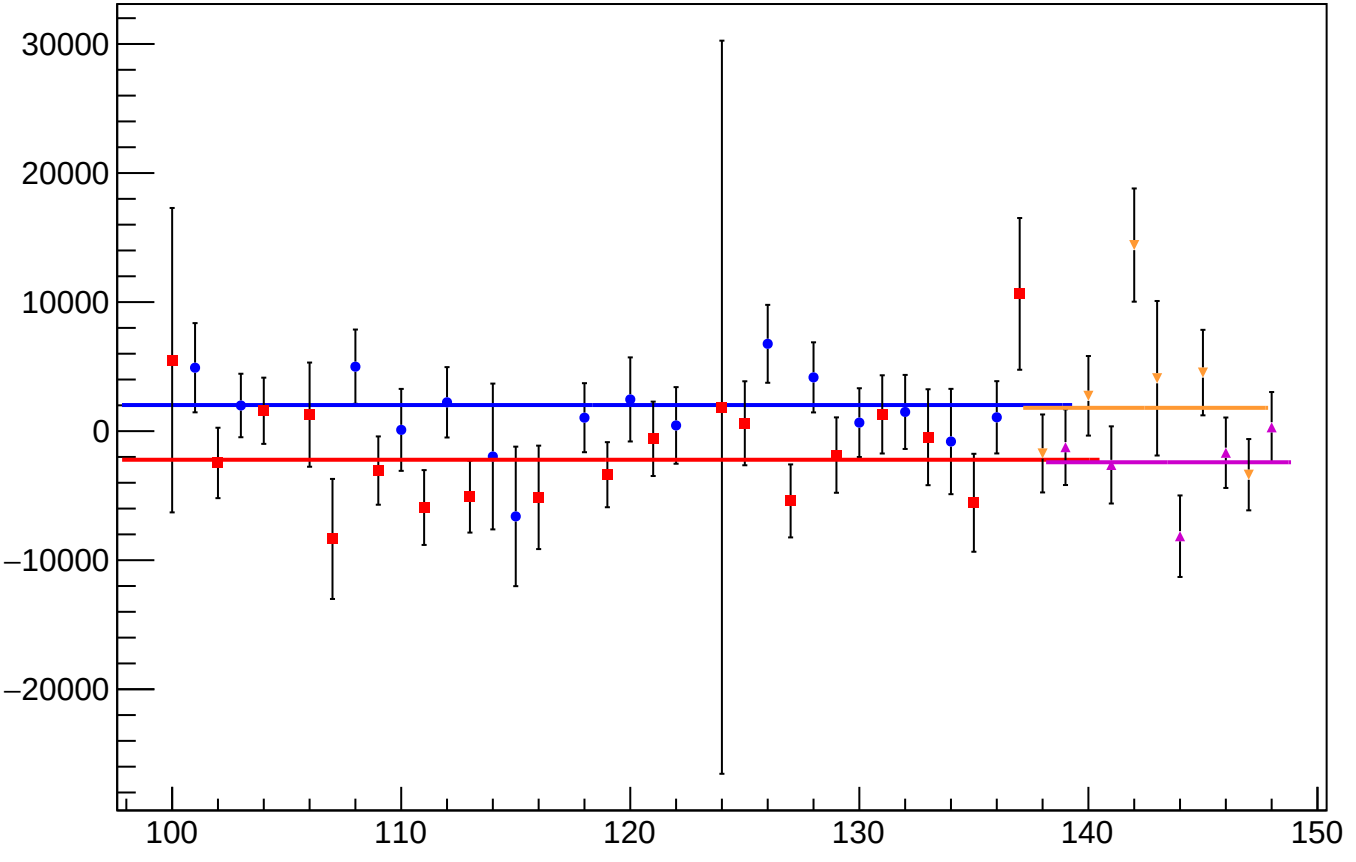
Left In: 0.000+/-0.000 χ^2/NDF:703551.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4530059.3/21

All: 0.000+/-0.000 χ^2/NDF: 9662551.5/45

- sign 0.000+/-0.000 χ^2/NDF: 4193226.3/23

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

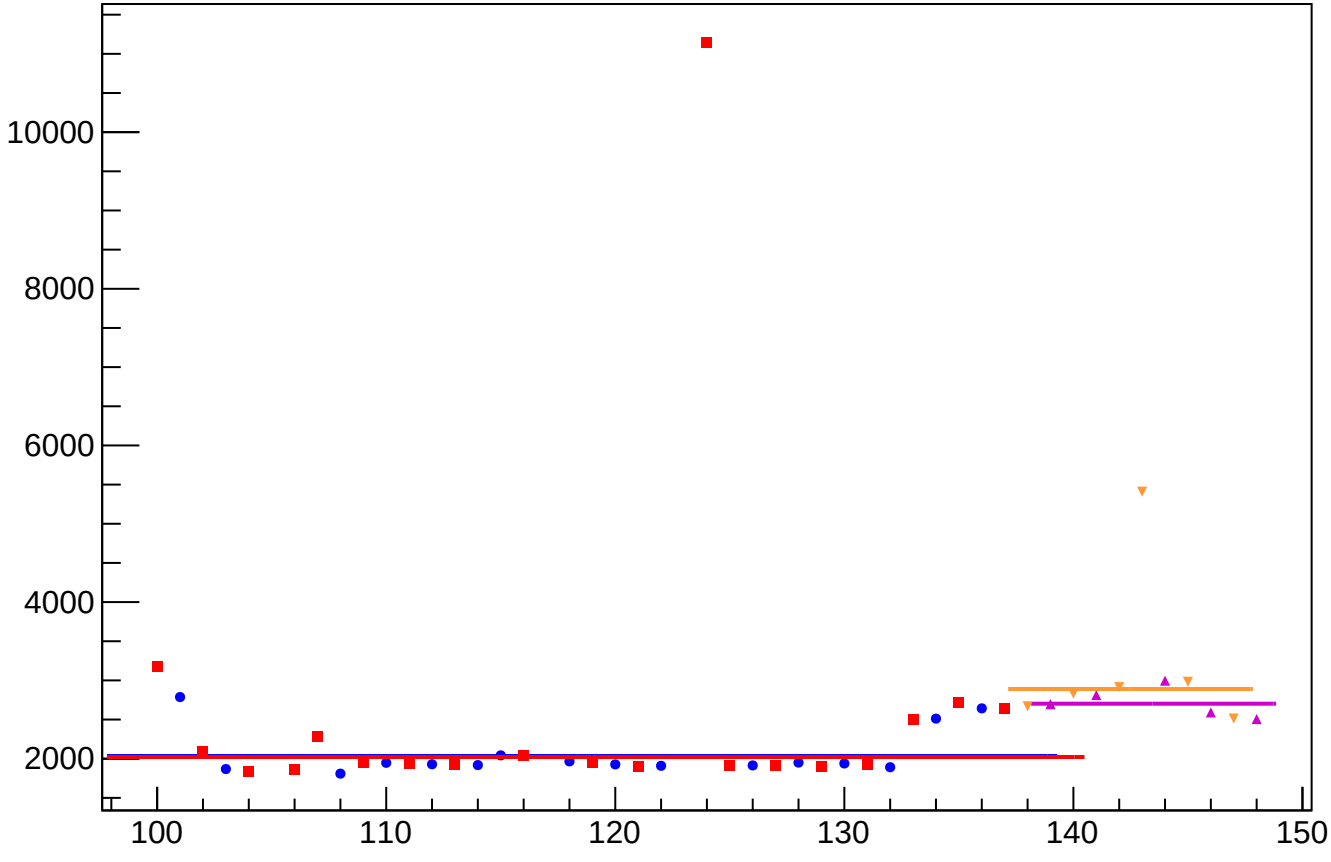
Left In: -2410.775+/-1295.050 χ^2/NDF:4.5/4

+ sign 1972.439+/-669.895 χ^2/NDF: 23.7/21

All: -201.187+/-467.594 χ^2/NDF: 66.9/45

- sign -2266.459+/-652.985 χ^2/NDF: 22.7/23

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

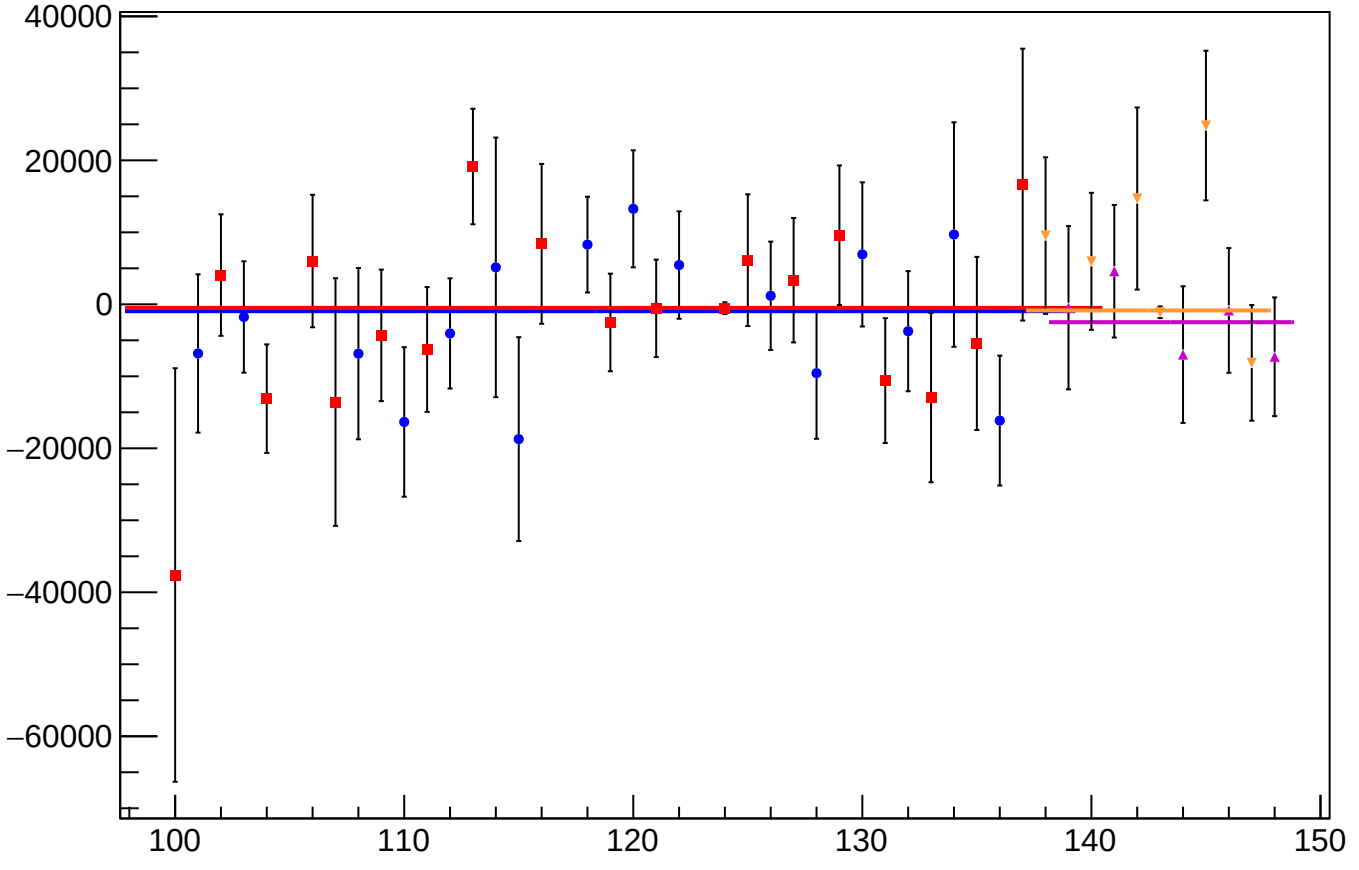
Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.8/21

All: 2213.204+/-0.331 χ^2/NDF: 2088967.8/45

- sign 2194.701+/-0.462 χ^2/NDF: 836550.0/23

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

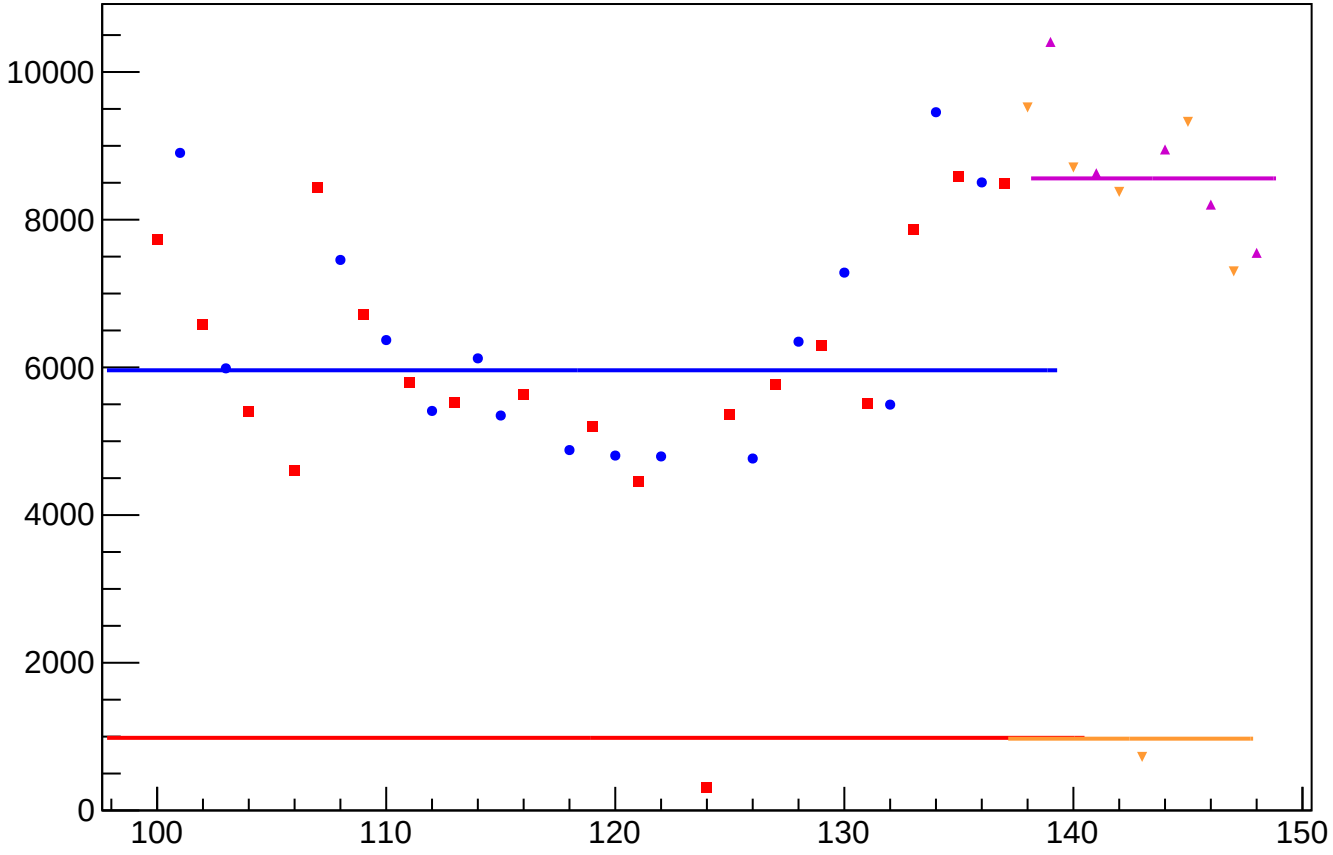
Left In: -2479.482+/-4127.034 χ^2/NDF:1.2/4

+ sign -862.844+/-749.941 χ^2/NDF: 25.3/21

All: -714.357+/-532.177 χ^2/NDF: 45.3/45

- sign -563.737+/-755.310 χ^2/NDF: 19.9/23

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

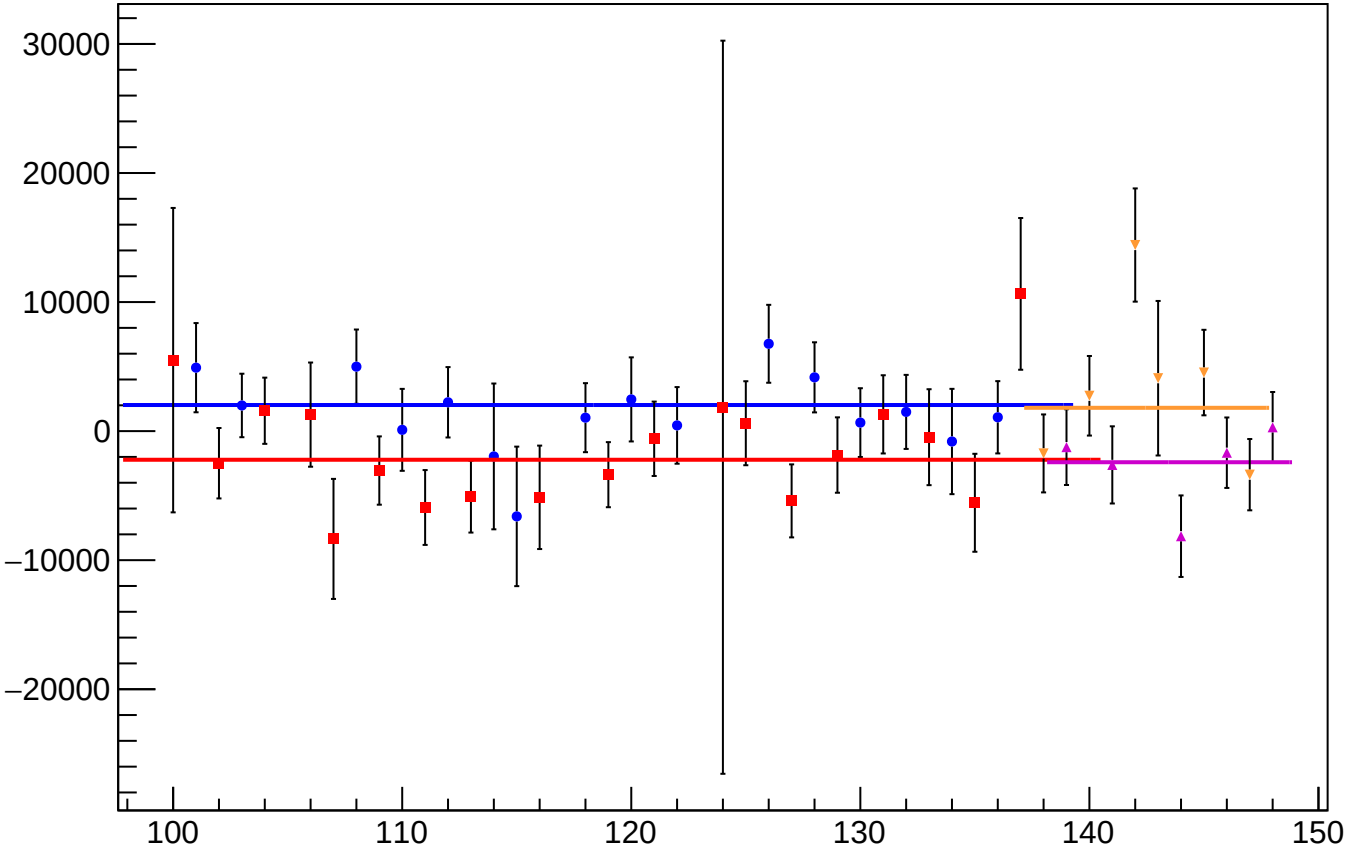
Left In: 8559.095+/-2.918 χ^2/NDF:89896.4/4

+ sign 1512.545+/-0.530 χ^2/NDF: 15200714.3/21

All: 1375.787+/-0.376 χ^2/NDF: 33354749.2/4

- sign 1237.064+/-0.534 χ^2/NDF: 18020060.8/23

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

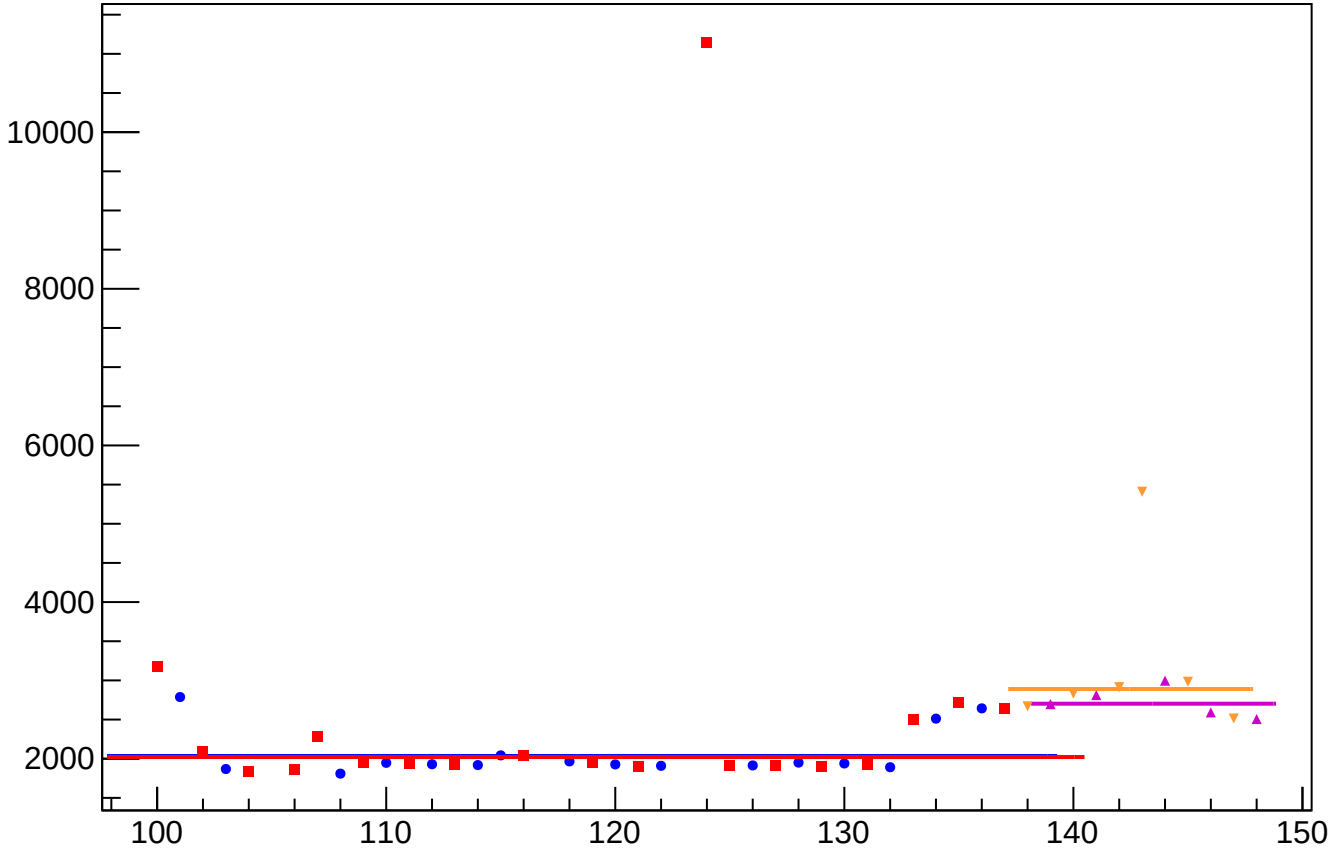
Left In: -2410.835+/-1295.050 χ^2/NDF:4.5/4

+ sign 1972.616+/-669.896 χ^2/NDF: 23.7/21

All: -201.796+/-467.596 χ^2/NDF: 66.9/45

- sign -2267.846+/-652.990 χ^2/NDF: 22.7/23

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

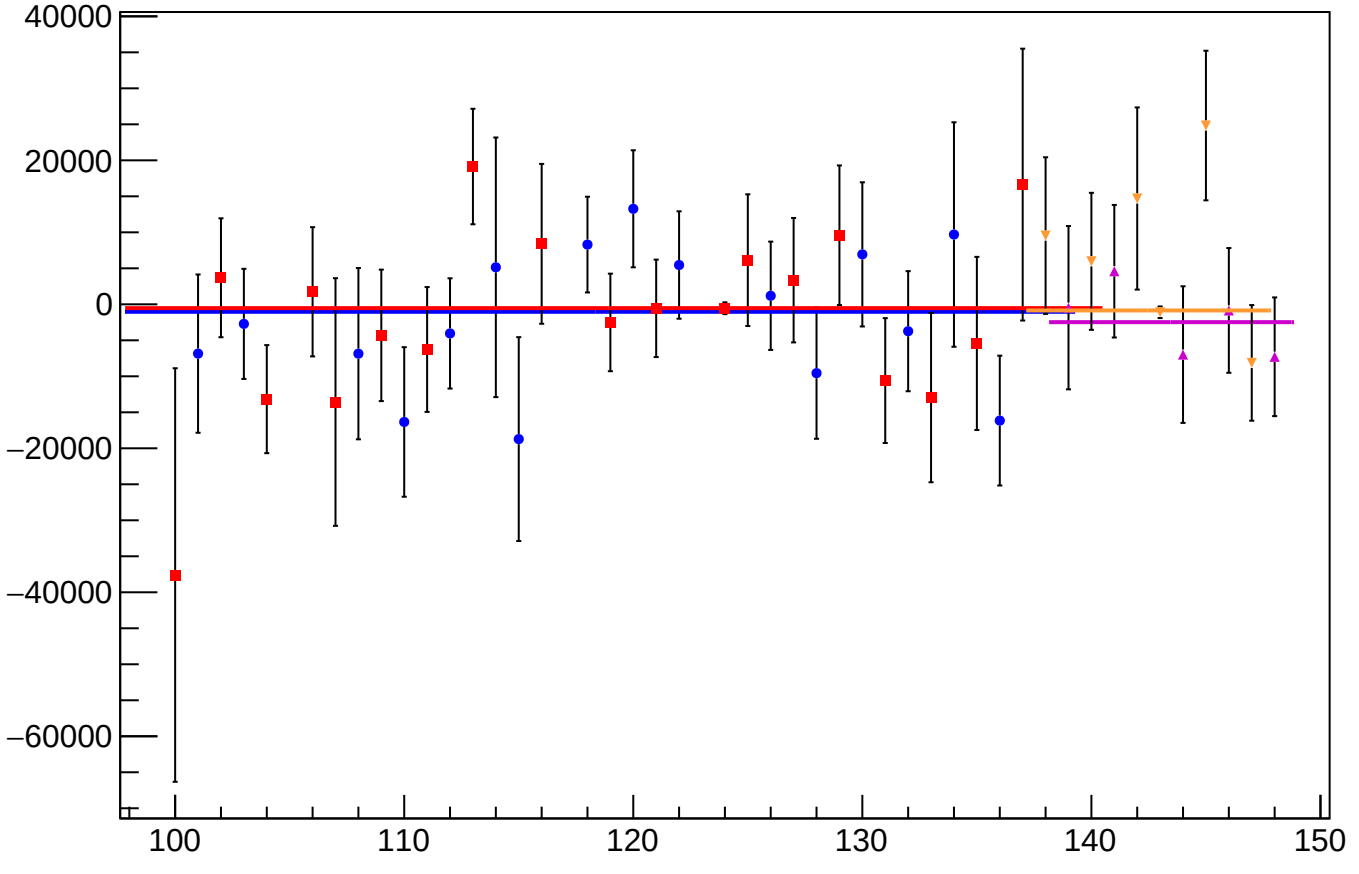
Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.9/21

All: 2213.213+/-0.331 χ^2/NDF: 2088948.0/45

- sign 2194.719+/-0.462 χ^2/NDF: 836533.5/23

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

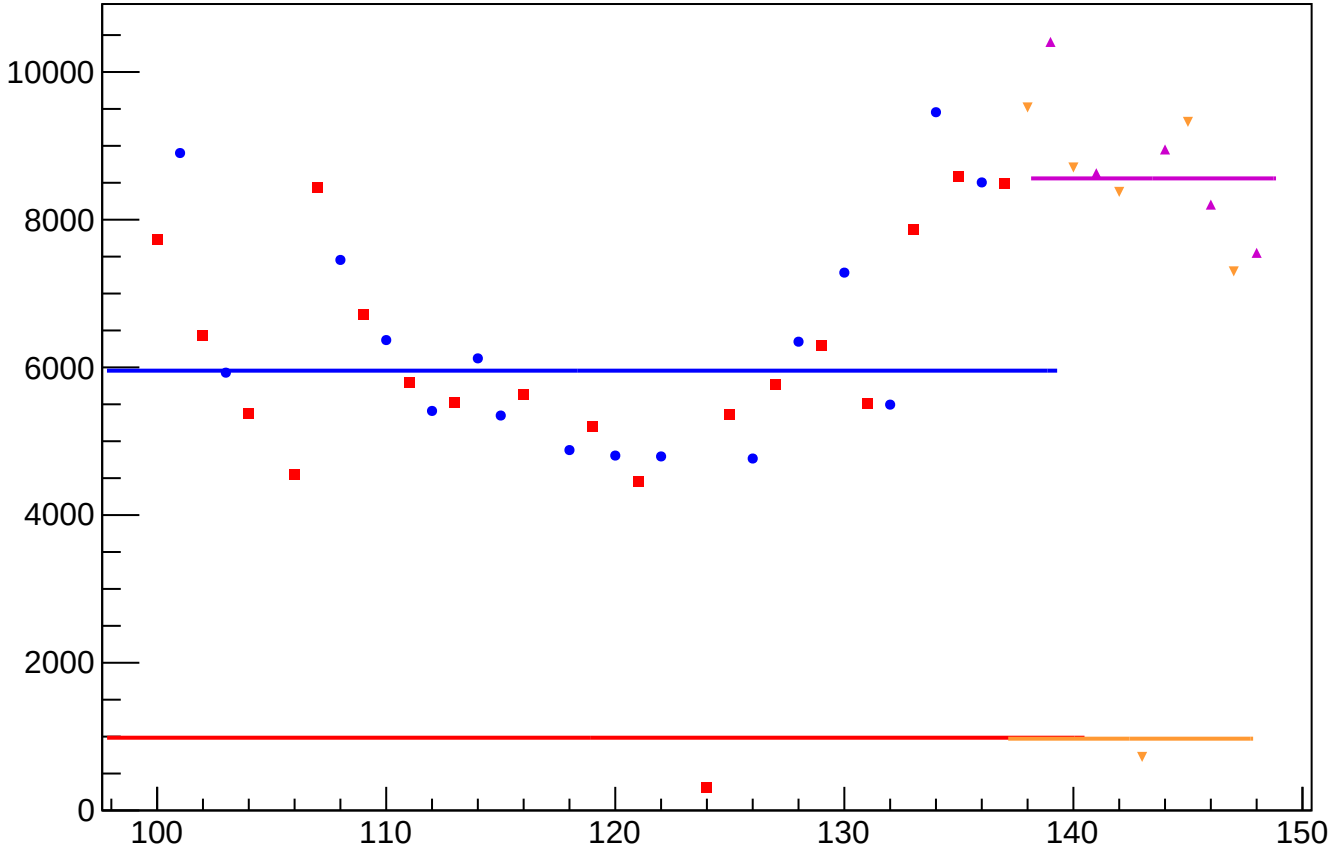
Left In: -2479.458+/-4127.030 χ^2/NDF:1.2/4

+ sign -872.158+/-749.794 χ^2/NDF: 25.4/21

All: -734.973+/-532.011 χ^2/NDF: 44.9/45

- sign -595.880+/-754.988 χ^2/NDF: 19.5/23

asym_atl2_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

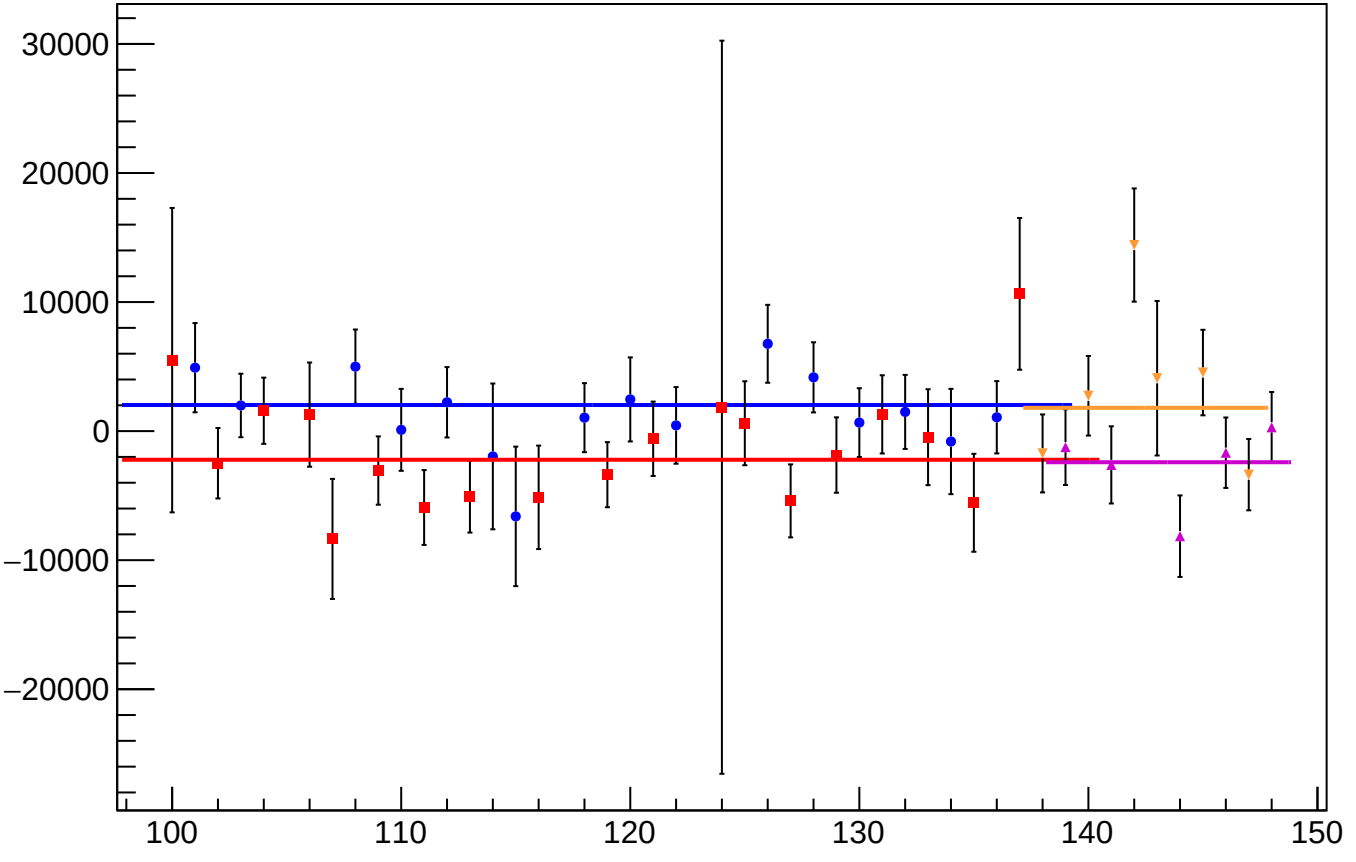
Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

+ sign 1512.790+/-0.530 χ^2/NDF: 15199323.4/21

All: 1376.600+/-0.376 χ^2/NDF: 33345640.4/4

- sign 1238.518+/-0.534 χ^2/NDF: 18013433.8/23

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

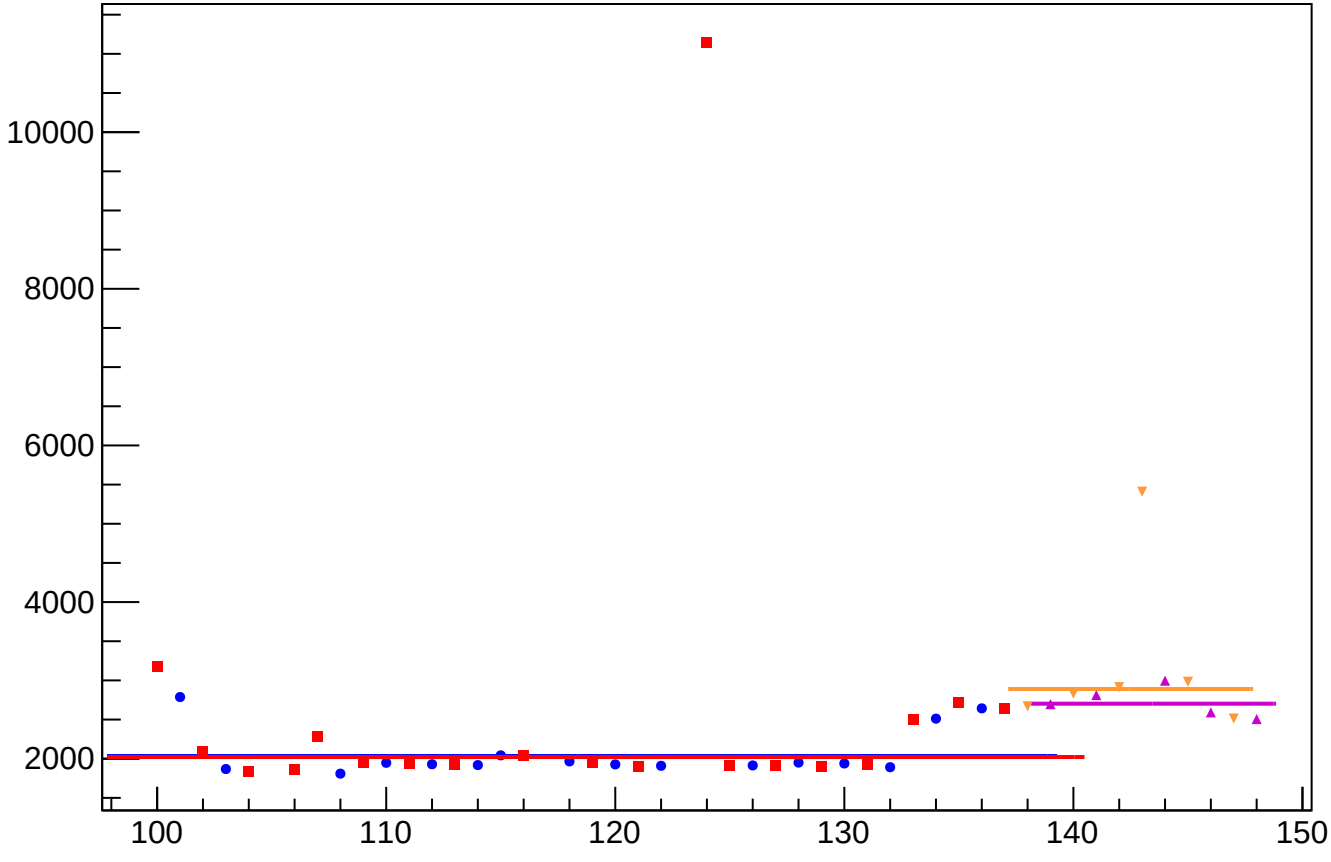
Left In: -2410.835+/-1295.050 χ^2/NDF:4.5/4

+ sign 1972.616+/-669.896 χ^2/NDF: 23.7/21

All: -201.796+/-467.596 χ^2/NDF: 66.9/45

- sign -2267.846+/-652.990 χ^2/NDF: 22.7/23

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

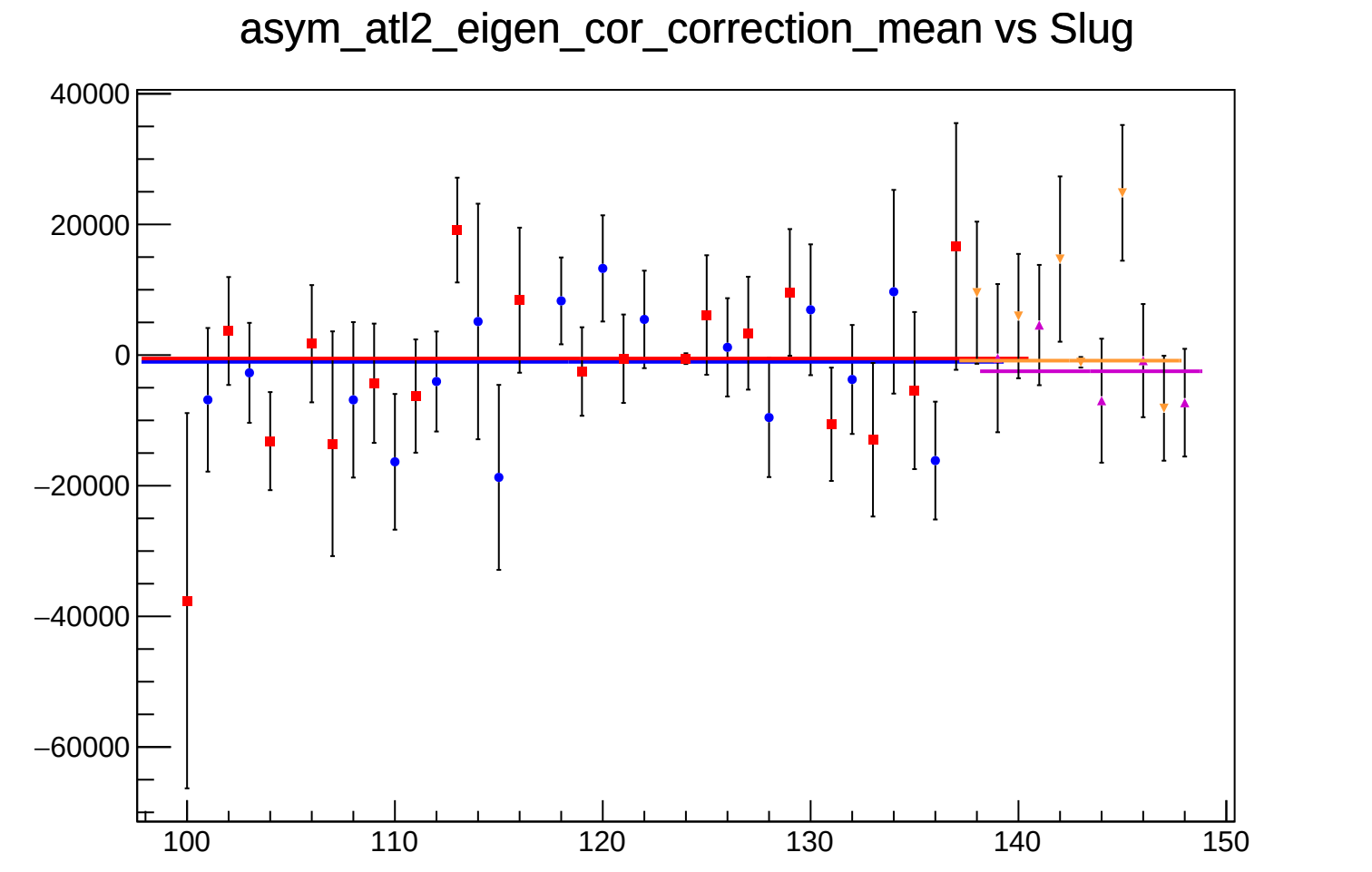
Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2232.677+/-0.474 χ^2/NDF: 1249121.9/21

All: 2213.213+/-0.331 χ^2/NDF: 2088948.0/45

- sign 2194.719+/-0.462 χ^2/NDF: 836533.5/23



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

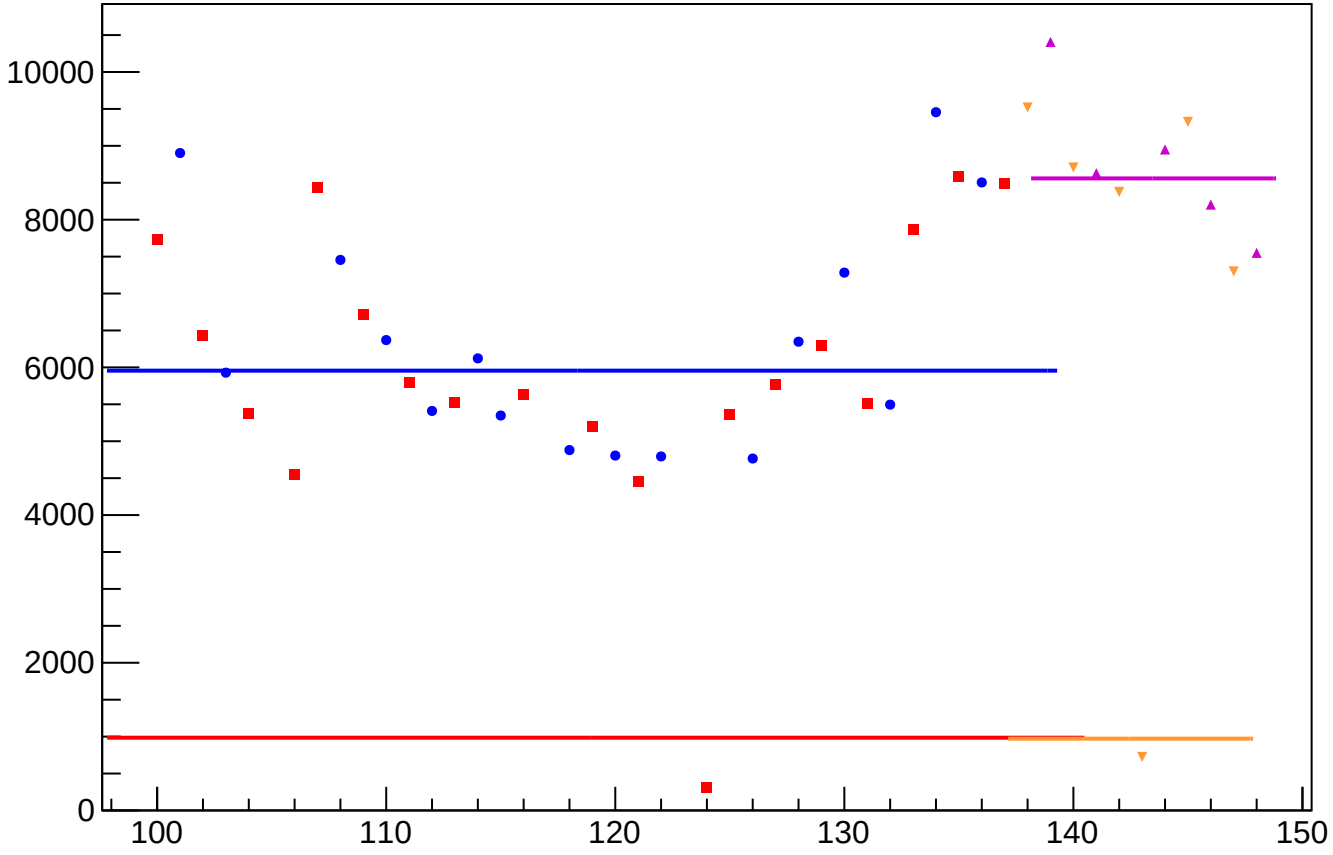
Left In: -2479.458+/-4127.030 χ^2/NDF:1.2/4

+ sign -872.158+/-749.794 χ^2/NDF: 25.4/21

All: -734.973+/-532.011 χ^2/NDF: 44.9/45

- sign -595.880+/-754.988 χ^2/NDF: 19.5/23

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

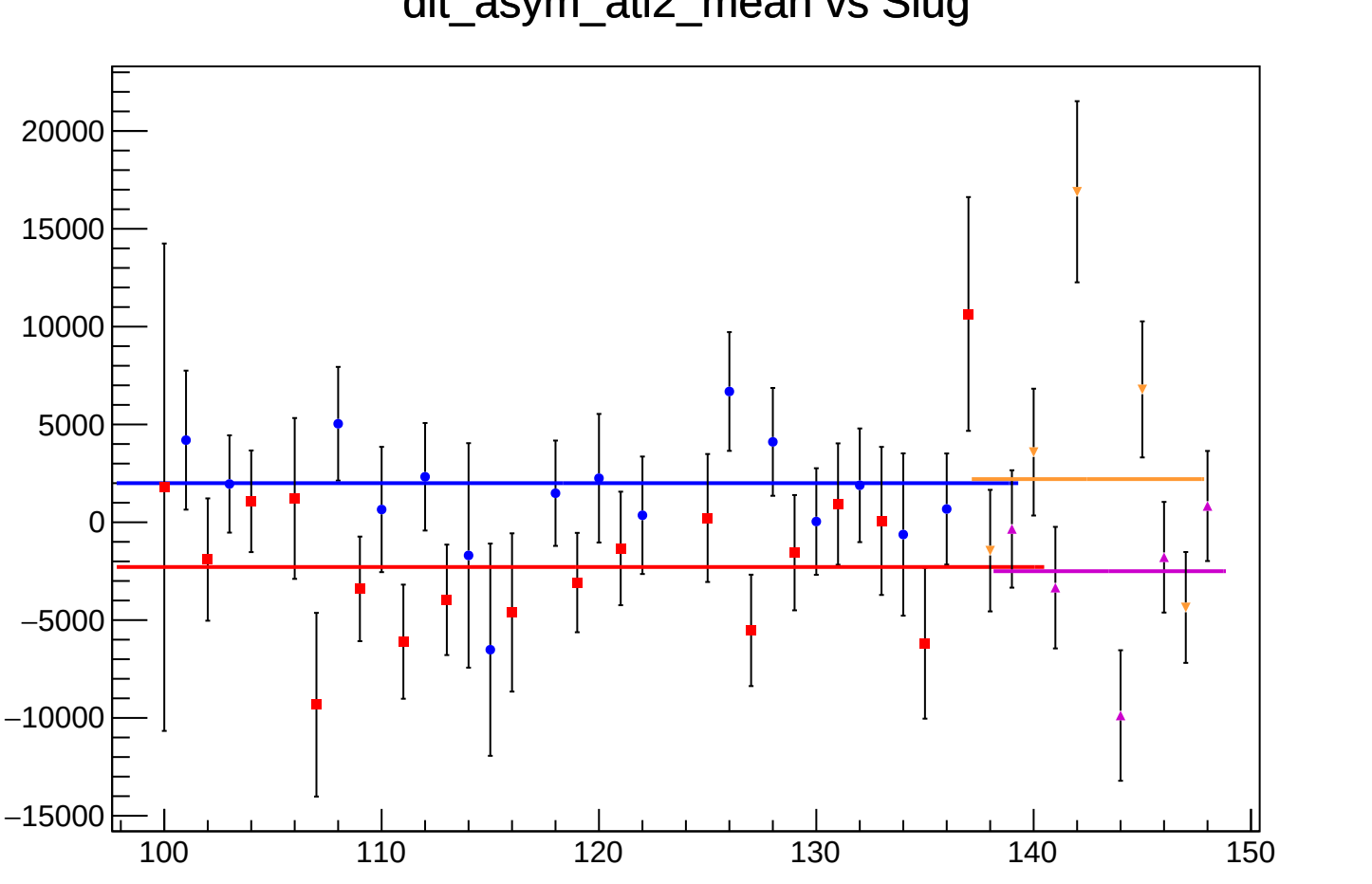
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

+ sign 1512.790+/-0.530 χ^2/NDF: 15199323.4/21

All: 1376.600+/-0.376 χ^2/NDF: 33345640.4/4

- sign 1238.518+/-0.534 χ^2/NDF: 18013433.8/23



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

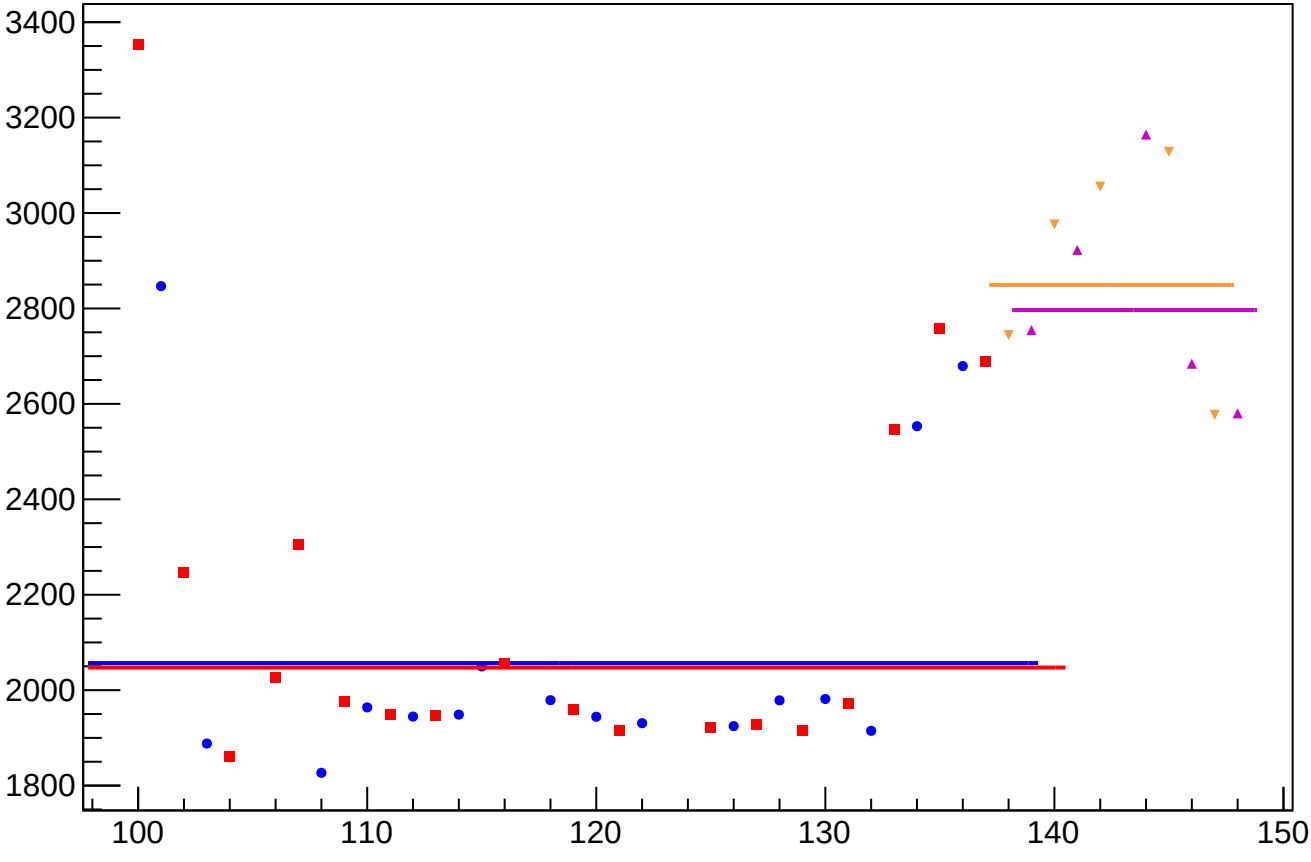
Left In: -2500.552+/-1341.132 χ^2/NDF:6.9/4

+ sign 2043.370+/-686.163 χ^2/NDF: 27.7/20

All: -204.708+/-478.865 χ^2/NDF: 72.3/43

- sign -2339.250+/-668.612 χ^2/NDF: 23.6/22

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

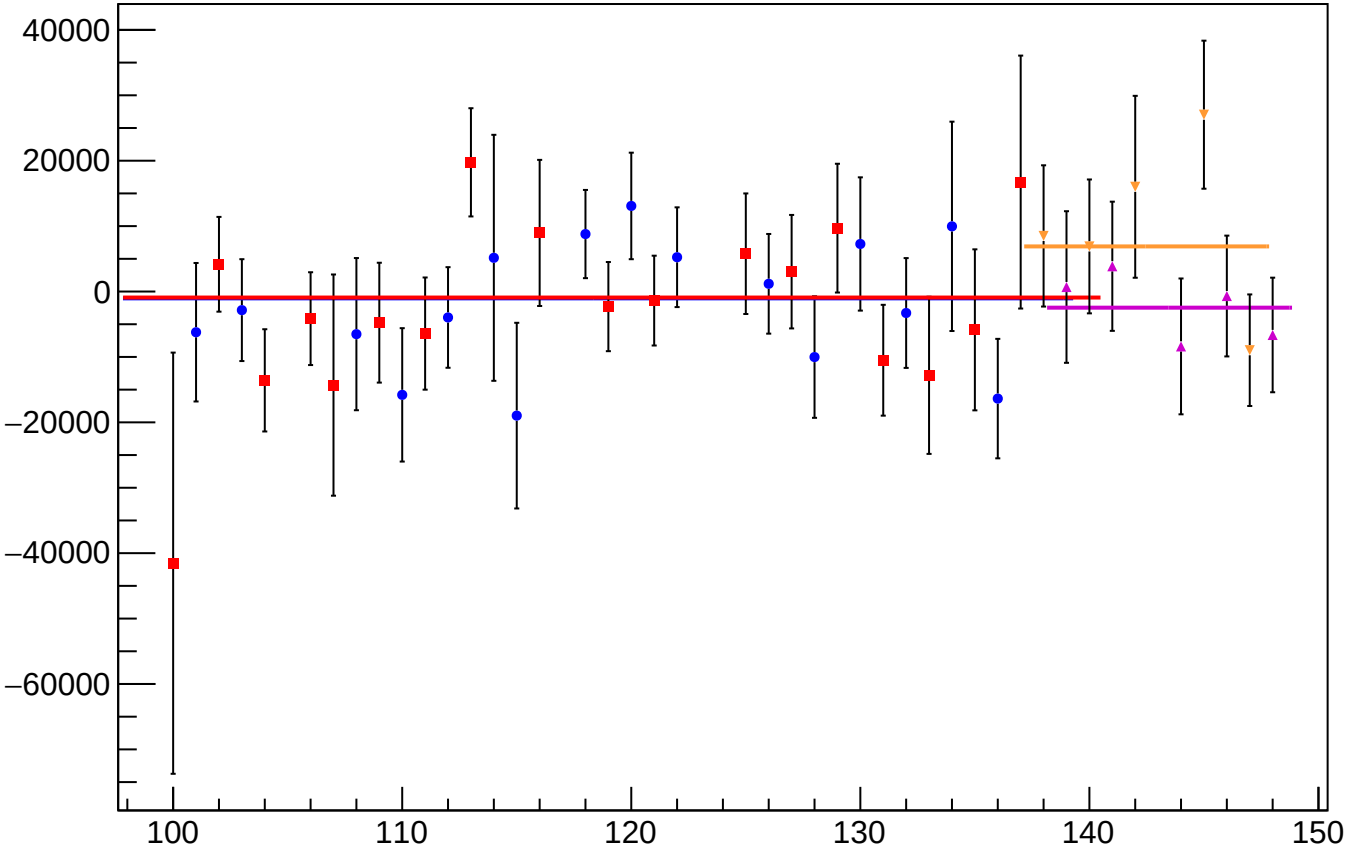
Left In: 2796.779+/-0.948 χ^2/NDF:43035.1/4

+ sign 2225.687+/-0.485 χ^2/NDF: 758388.4/20

All: 2229.561+/-0.338 χ^2/NDF: 1467659.4/43

- sign 2233.232+/-0.472 χ^2/NDF: 709146.9/22

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

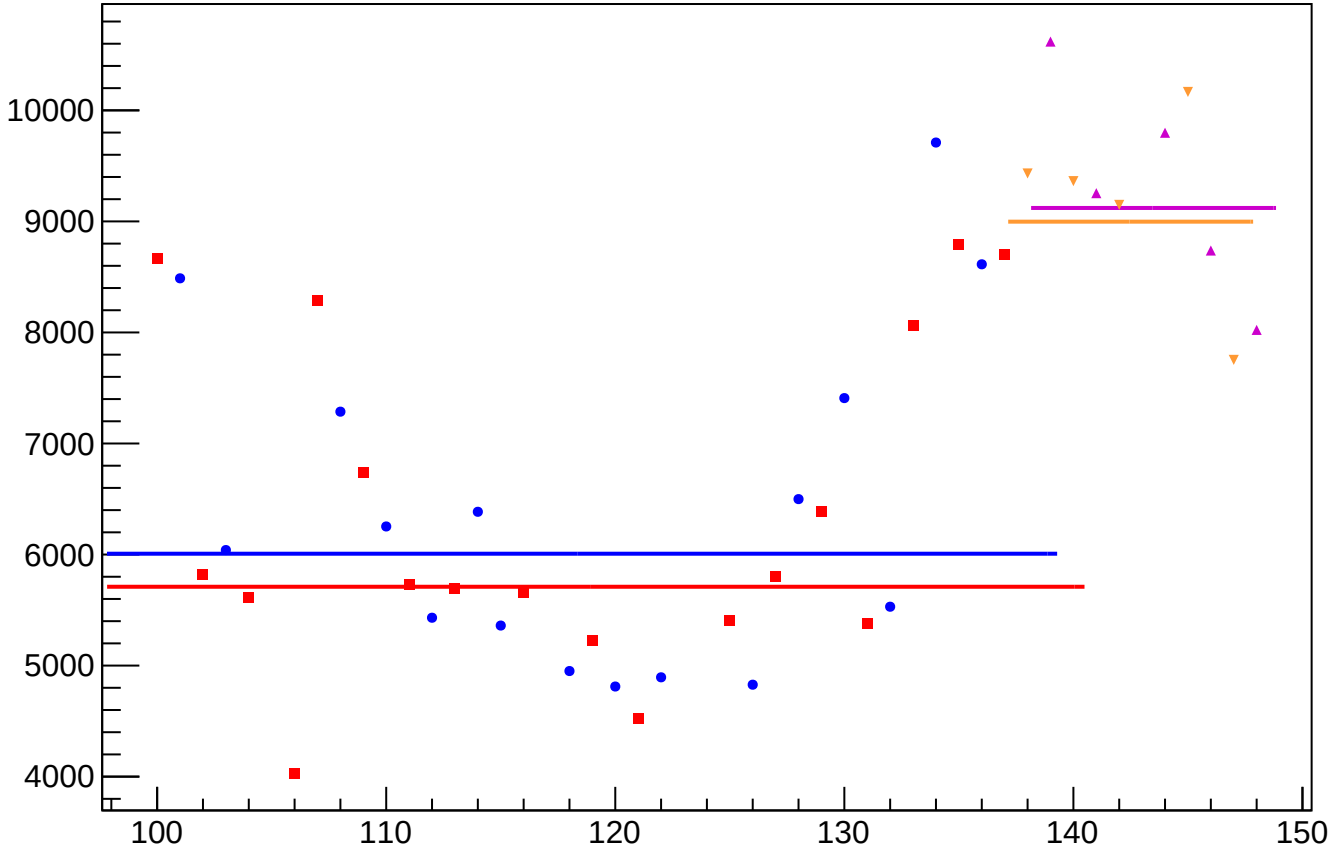
Left In: -2467.513+/-4396.416 χ^2/NDF:1.1/4

+ sign 474.202+/-2063.833 χ^2/NDF: 24.7/20

All: -427.958+/-1410.460 χ^2/NDF: 44.6/43

- sign -1218.596+/-1932.064 χ^2/NDF: 19.5/22

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

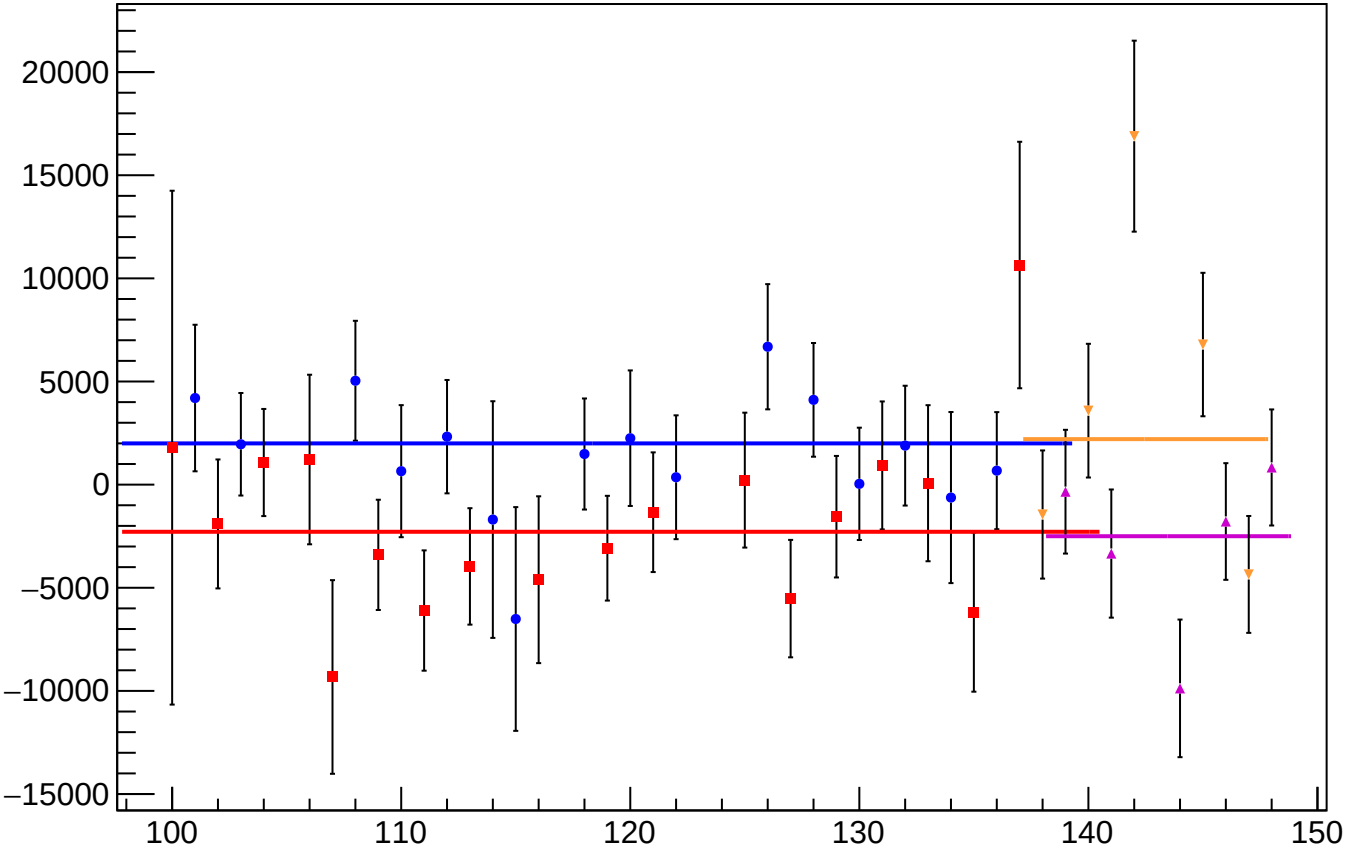
Left In: 9121.011+/-3.109 χ^2/NDF:77175.9/4

+ sign 6578.644+/-1.459 χ^2/NDF: 1372717.4/20

All: 6466.748+/-0.997 χ^2/NDF: 2968318.2/43

- sign 6368.683+/-1.366 χ^2/NDF: 1584569.1/22

eigen_dit_asym_atl2_mean vs Slug



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

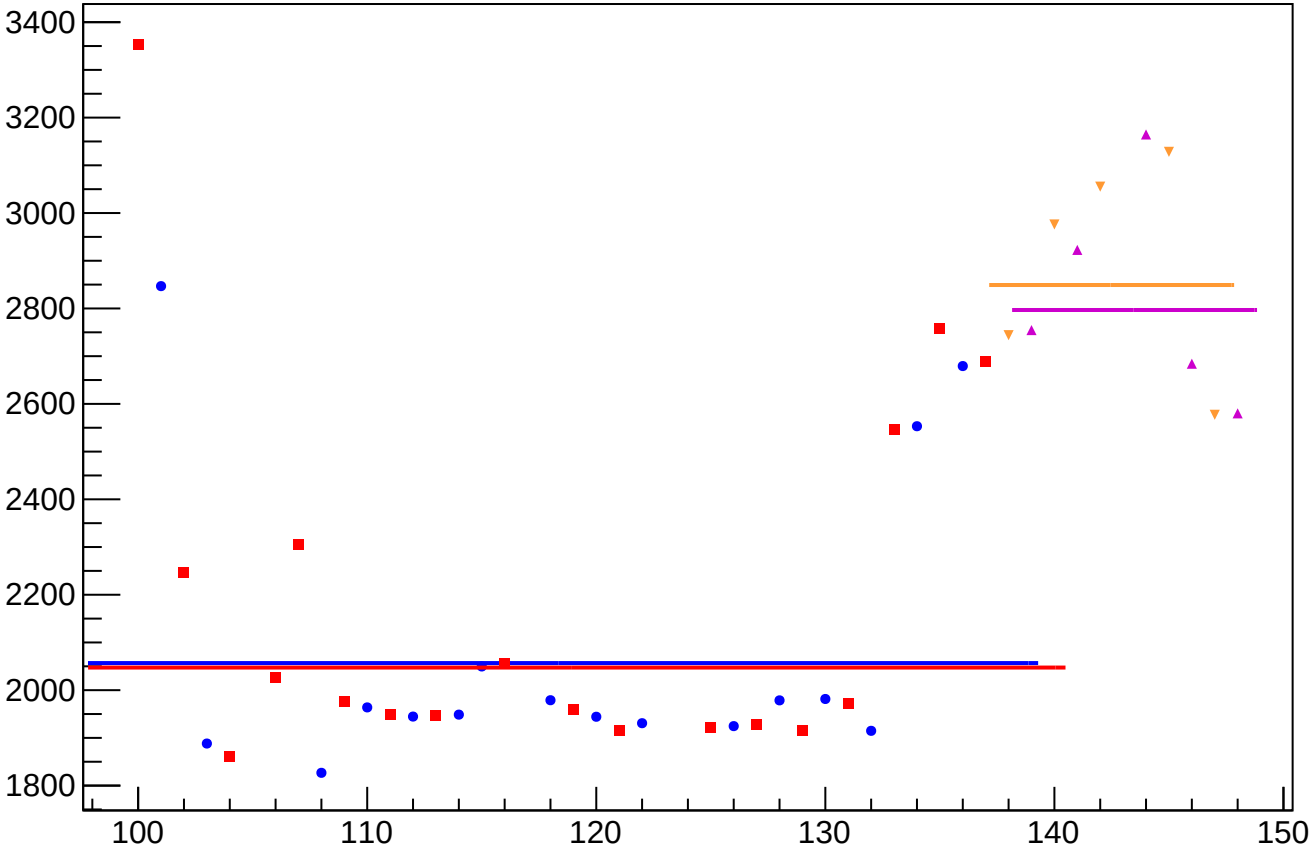
Left In: -2500.553+/-1341.134 χ^2/NDF:6.9/4

+ sign 2043.377+/-686.163 χ^2/NDF: 27.7/20

All: -204.706+/-478.865 χ^2/NDF: 72.3/43

- sign -2339.253+/-668.612 χ^2/NDF: 23.6/22

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

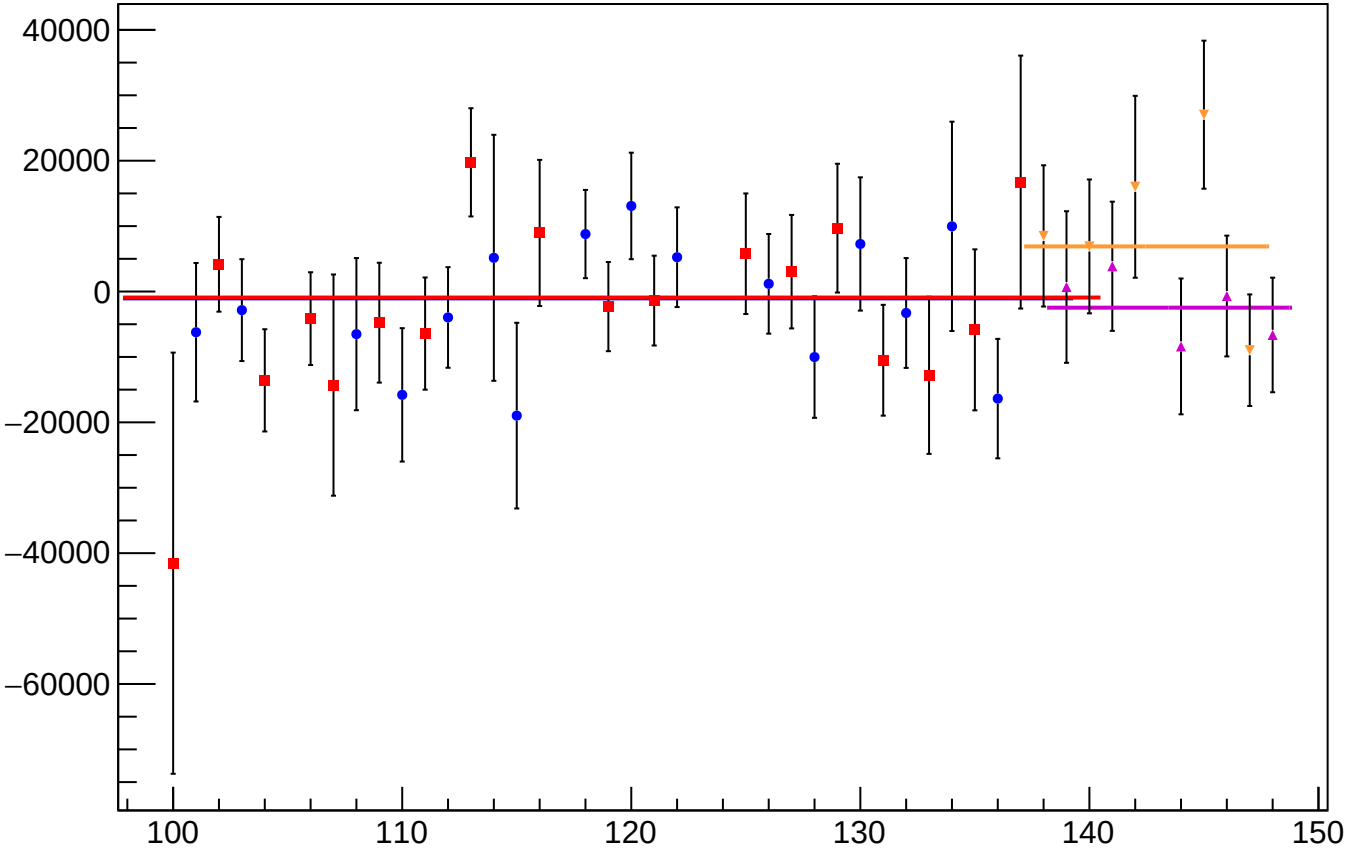
Left In: 2796.781+/-0.948 χ^2/NDF:43035.6/4

+ sign 2225.687+/-0.485 χ^2/NDF: 758391.1/20

All: 2229.562+/-0.338 χ^2/NDF: 1467665.6/43

- sign 2233.232+/-0.472 χ^2/NDF: 709150.3/22

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

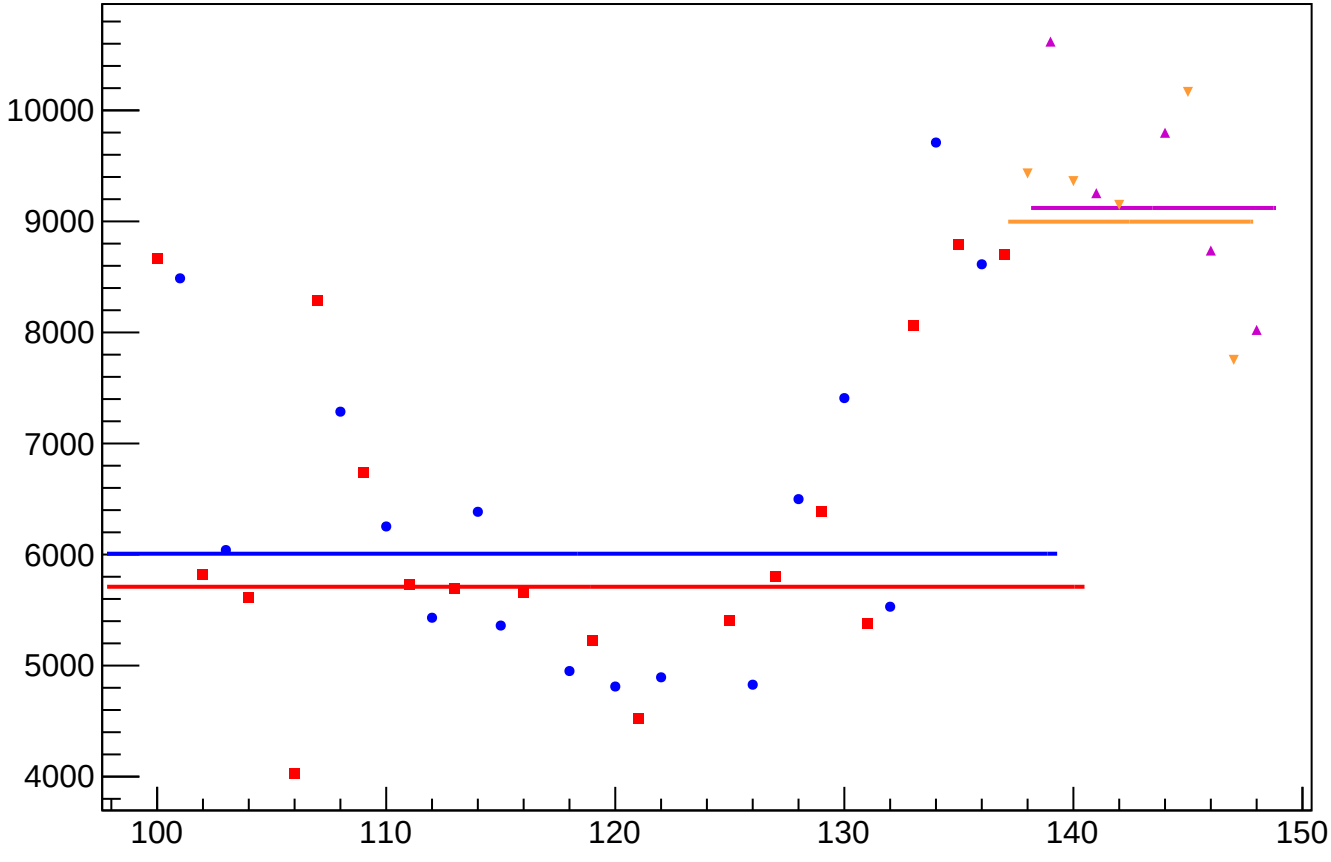
Left In: -2467.516+/-4396.423 χ^2/NDF:1.1/4

+ sign 474.200+/-2063.828 χ^2/NDF: 24.7/20

All: -427.960+/-1410.457 χ^2/NDF: 44.6/43

- sign -1218.598+/-1932.060 χ^2/NDF: 19.5/22

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

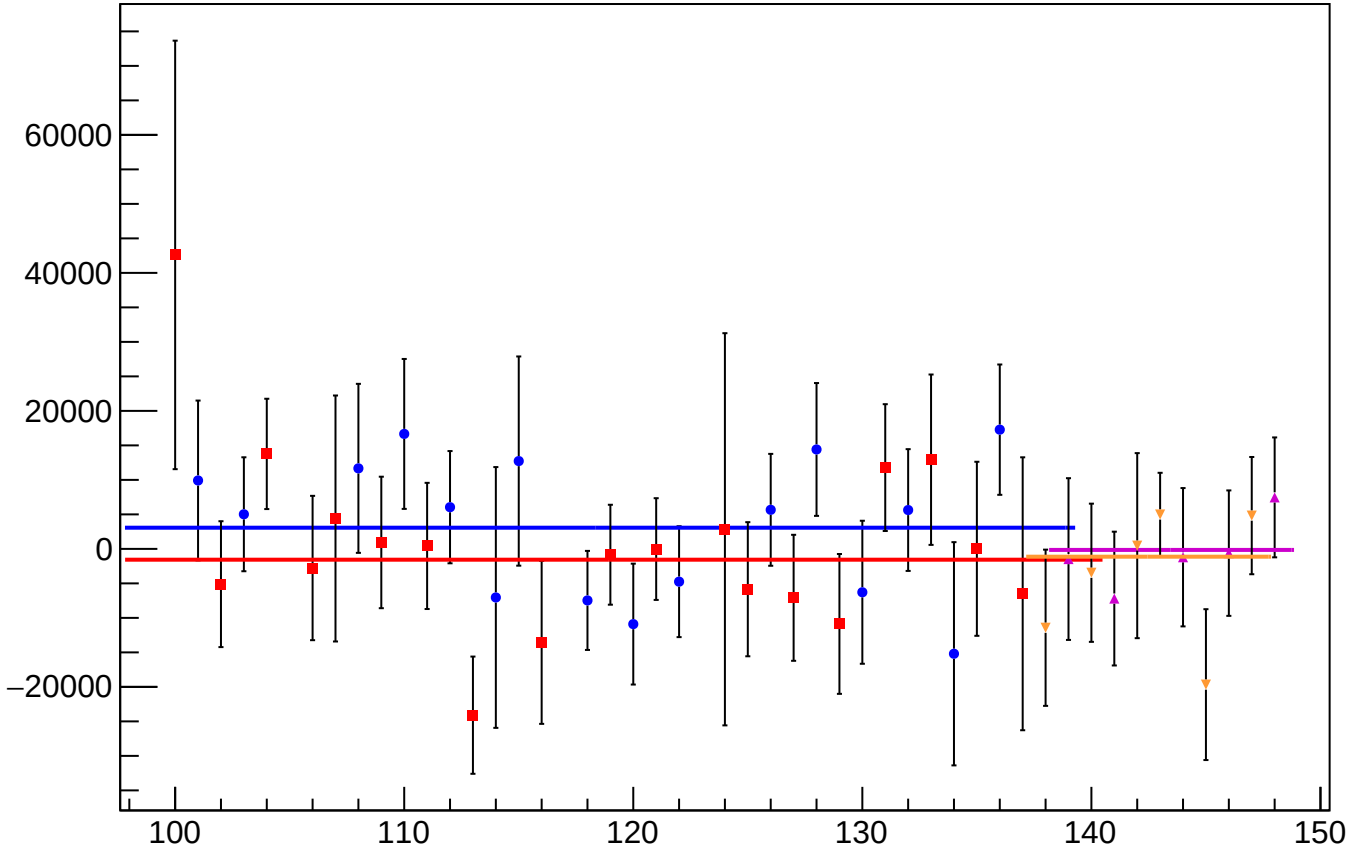
Left In: 9121.024+/-3.109 χ^2/NDF:77177.8/4

+ sign 6578.627+/-1.459 χ^2/NDF: 1372741.7/20

All: 6466.731+/-0.997 χ^2/NDF: 2968363.7/43

- sign 6368.667+/-1.366 χ^2/NDF: 1584590.5/22

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

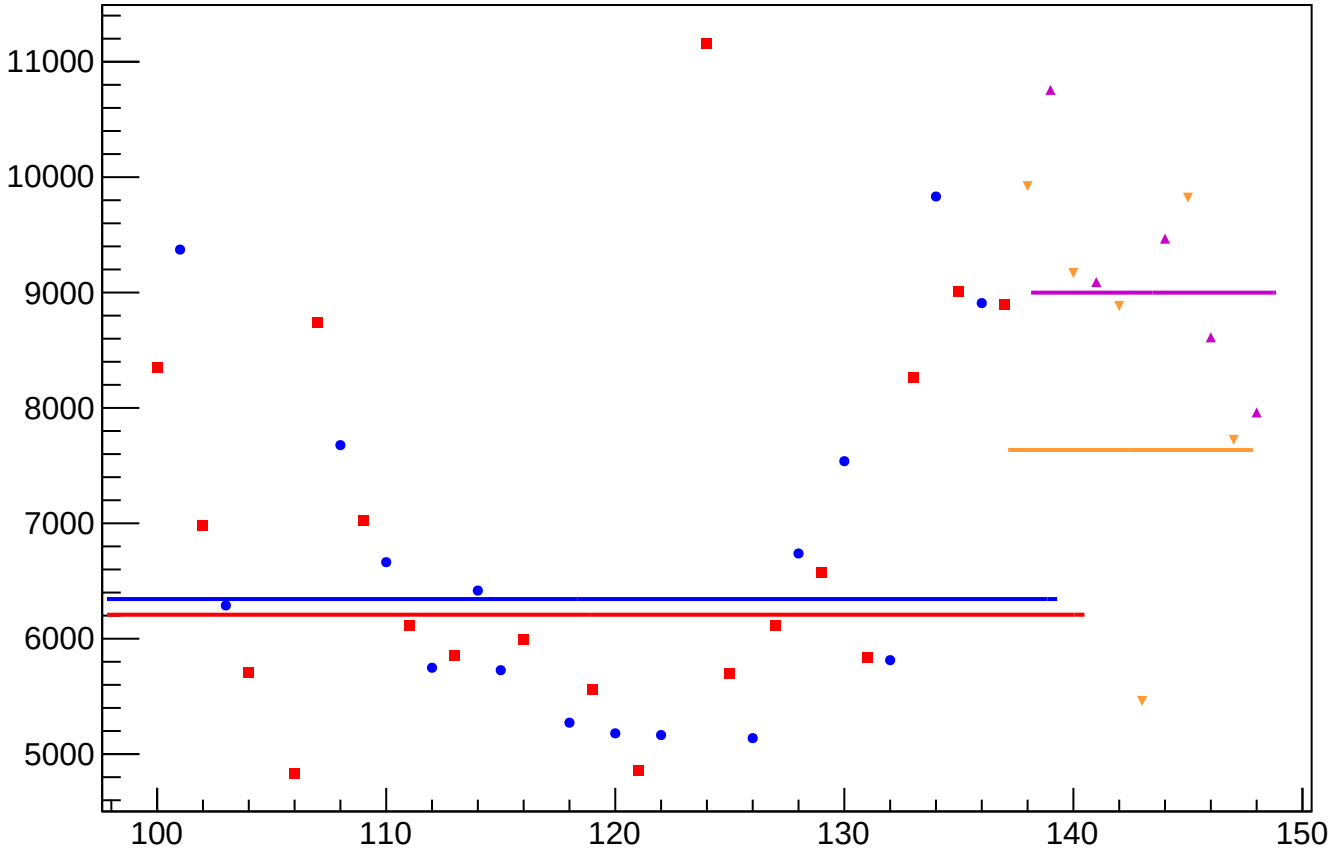
Left In: -150.115+/-4334.761 χ^2/NDF:1.3/4

+ sign 1812.346+/-2026.171 χ^2/NDF: 21.1/21

All: 304.669+/-1443.262 χ^2/NDF: 42.8/45

- sign -1248.217+/-2056.325 χ^2/NDF: 20.6/23

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

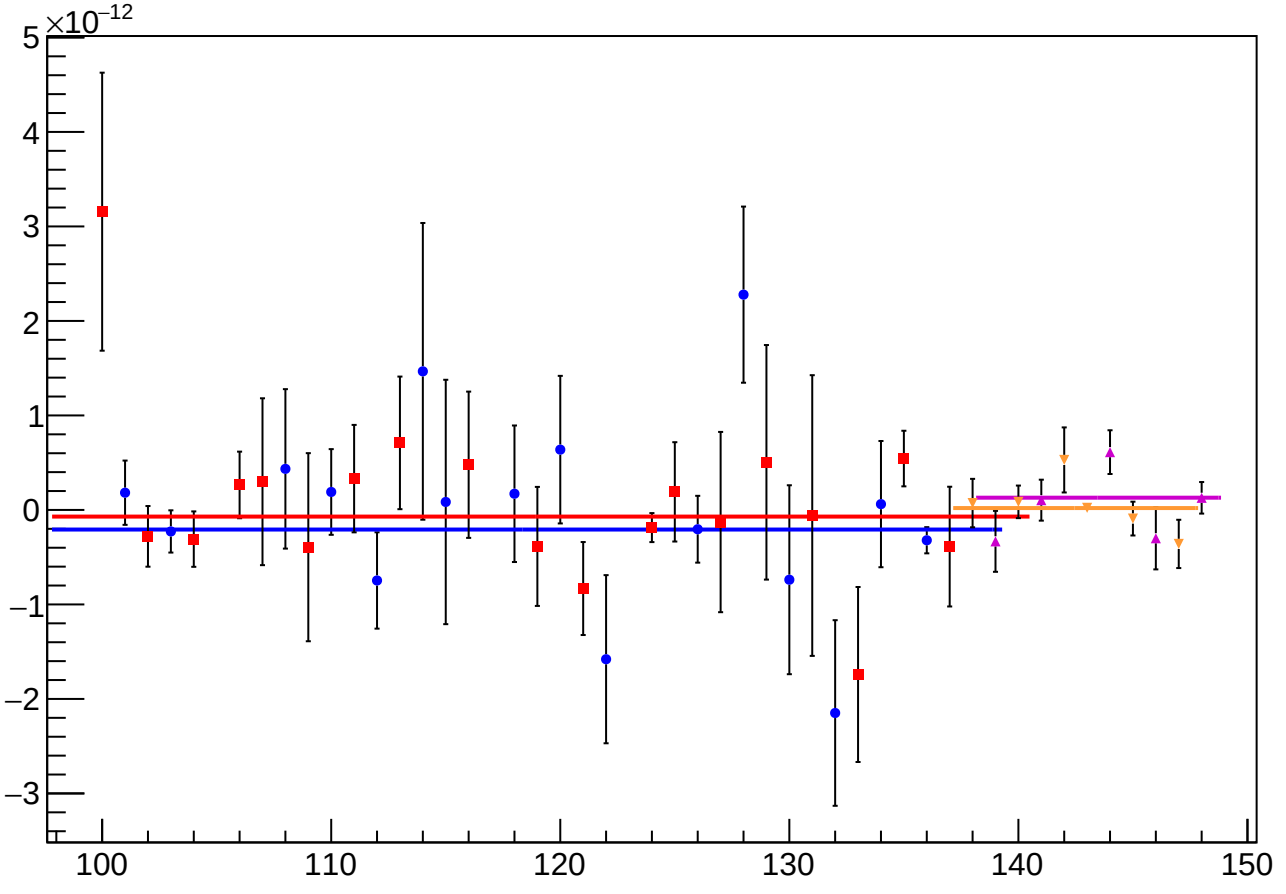
Left In: 8999.187+/-3.065 χ^2/NDF:81684.3/4

+ sign 6730.643+/-1.433 χ^2/NDF: 1276837.8/21

All: 6782.639+/-1.021 χ^2/NDF: 2475618.3/45

- sign 6836.194+/-1.454 χ^2/NDF: 1196106.8/23

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

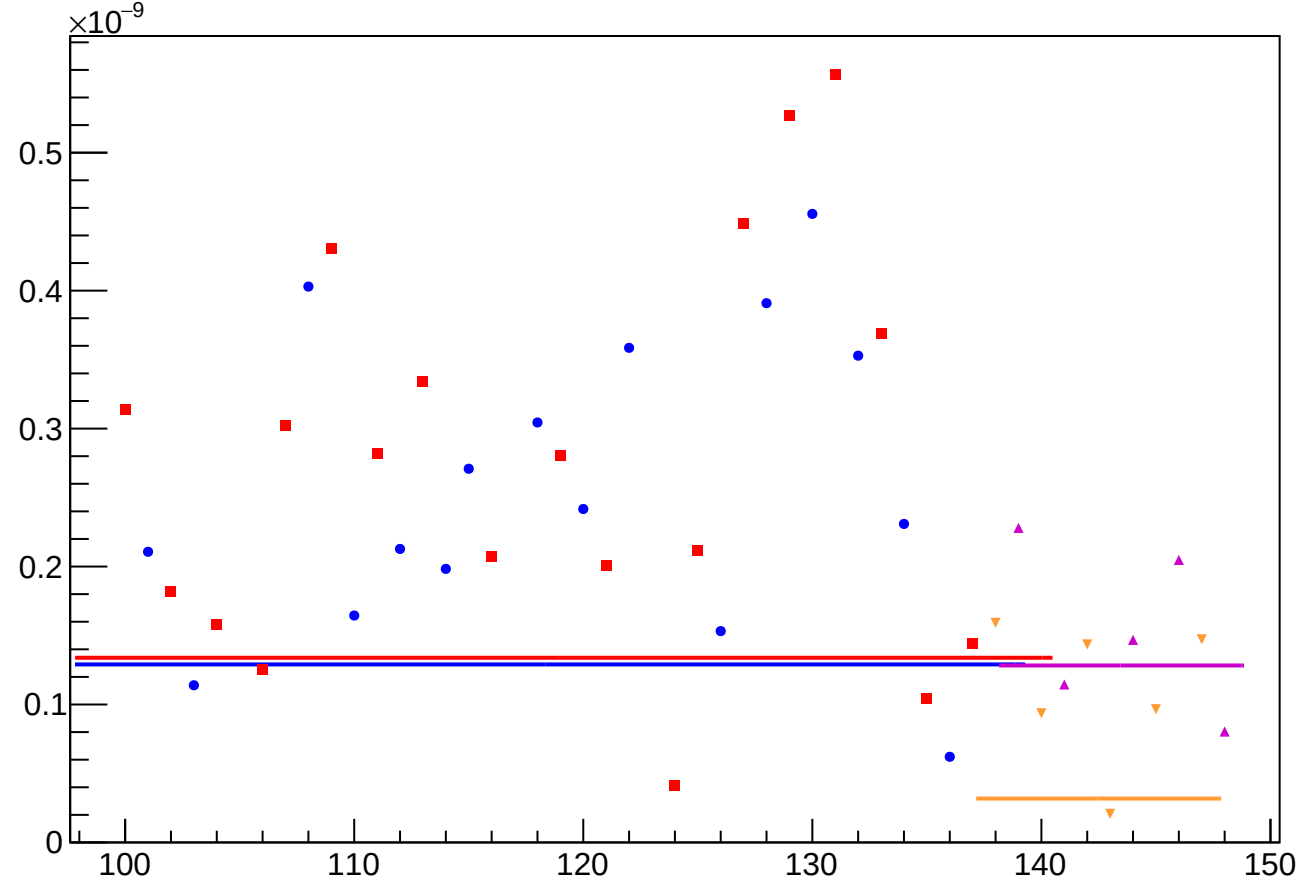
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/21

All: -0.000+/-0.000 χ^2/NDF: 62.1/45

- sign 0.000+/-0.000 χ^2/NDF: 31.0/23



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

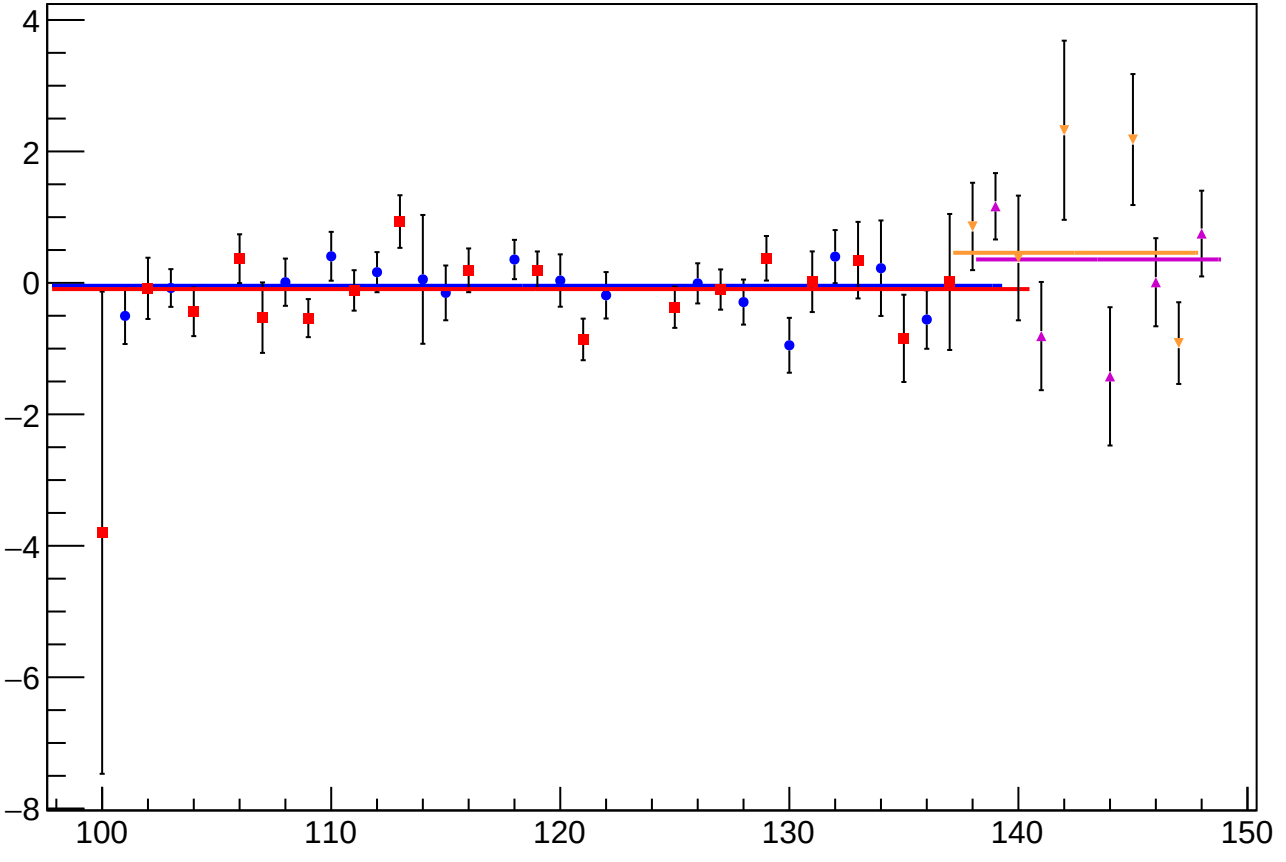
Left In: 0.000+/-0.000 χ^2/NDF:484630.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 5400803.5/21

All: 0.000+/-0.000 χ^2/NDF: 10864265.4/45

- sign 0.000+/-0.000 χ^2/NDF: 2792295.4/23

asym_atl2_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

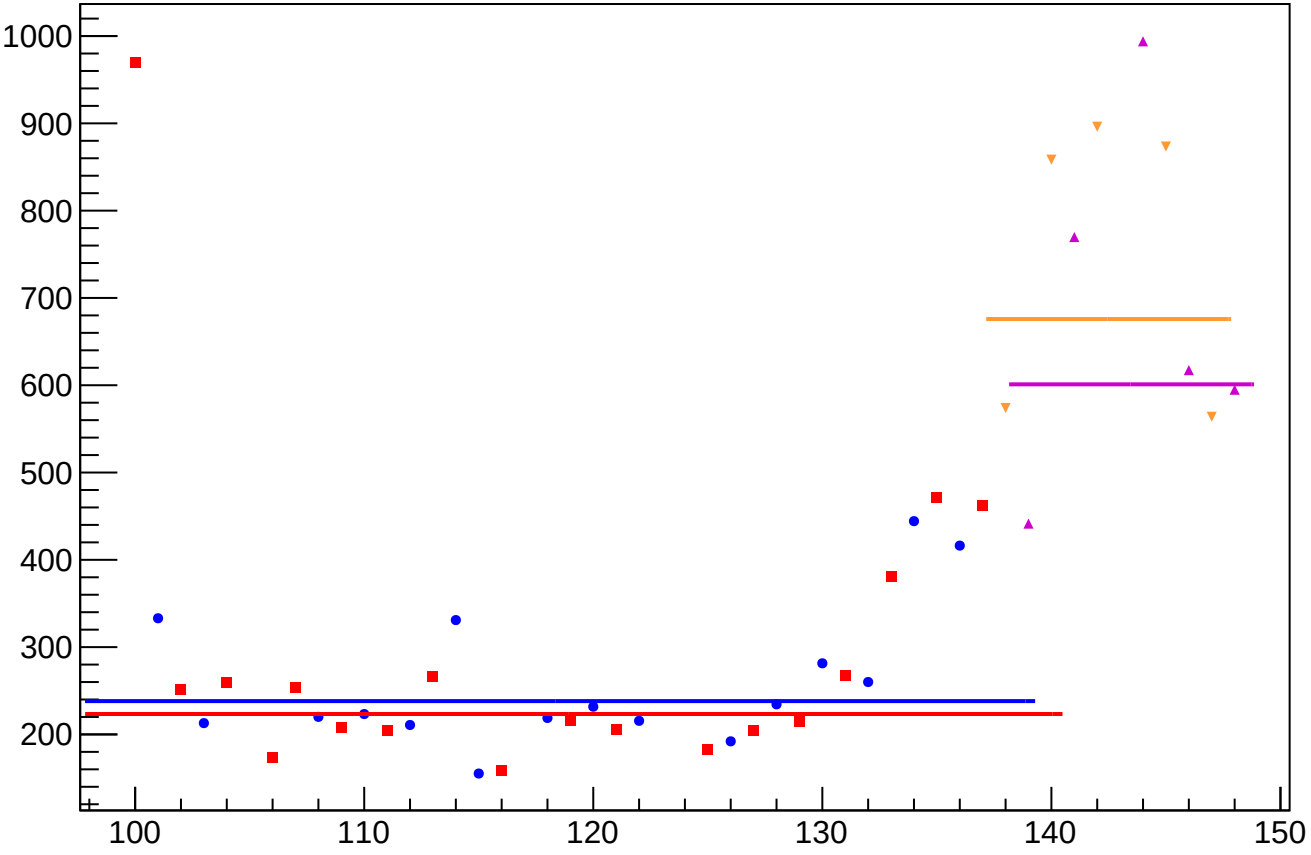
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.037+/-0.063 χ^2/NDF: 60.5/43

- sign -0.058+/-0.086 χ^2/NDF: 35.4/22

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

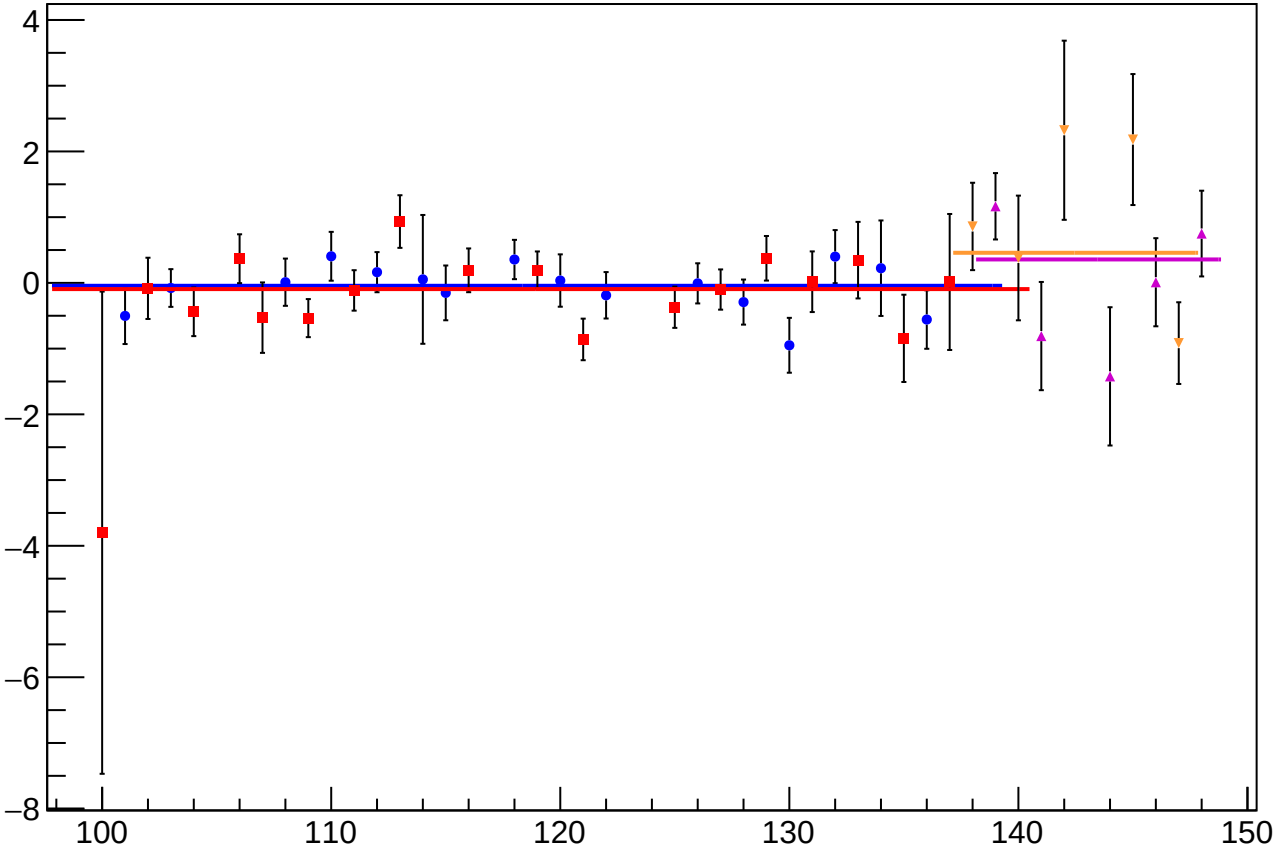
Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

+ sign 265.287+/-0.064 χ^2/NDF: 3822462.4/20

All: 259.350+/-0.044 χ^2/NDF: 8116748.5/43

- sign 253.992+/-0.061 χ^2/NDF: 4278037.2/22

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

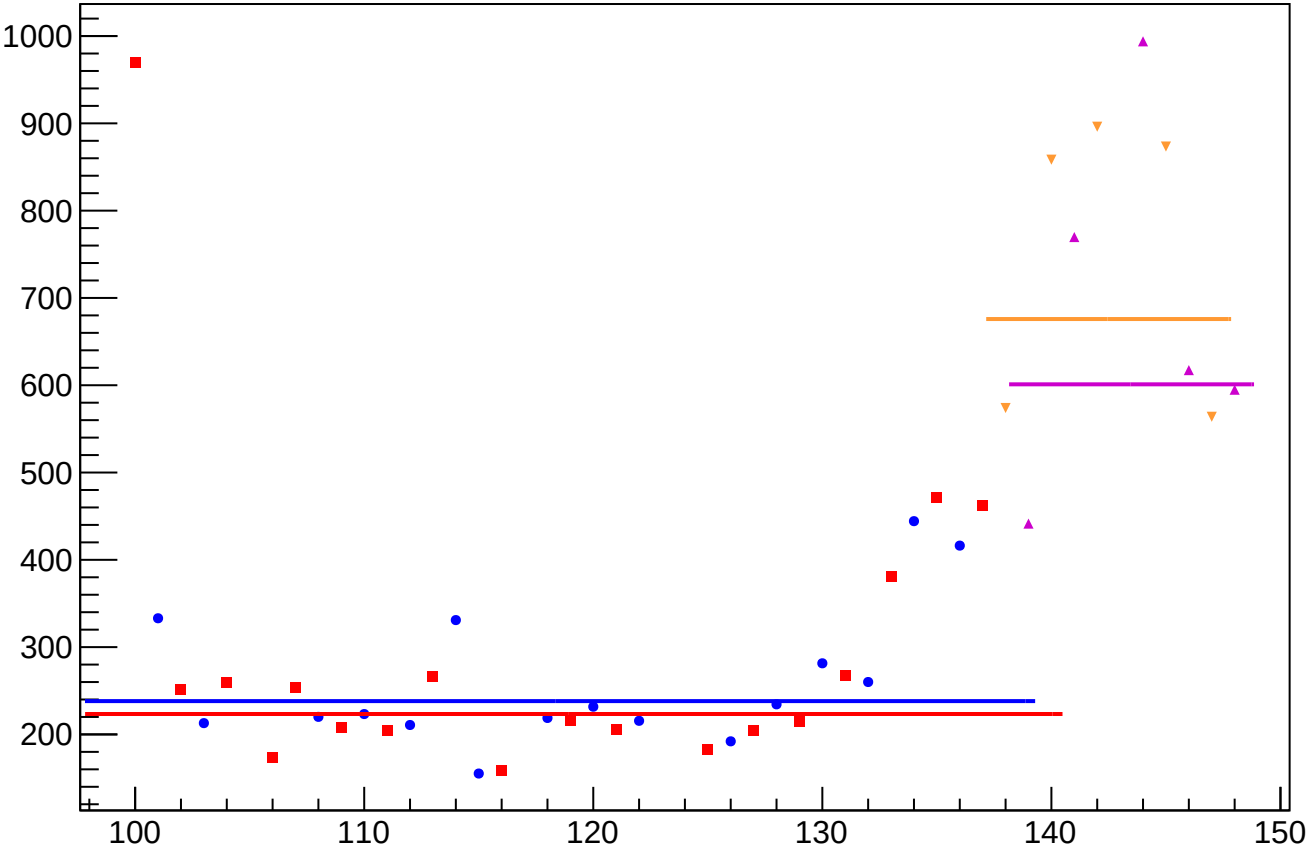
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

\+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.037+/-0.063 χ^2/NDF: 60.5/43

\- sign -0.058+/-0.086 χ^2/NDF: 35.4/22

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

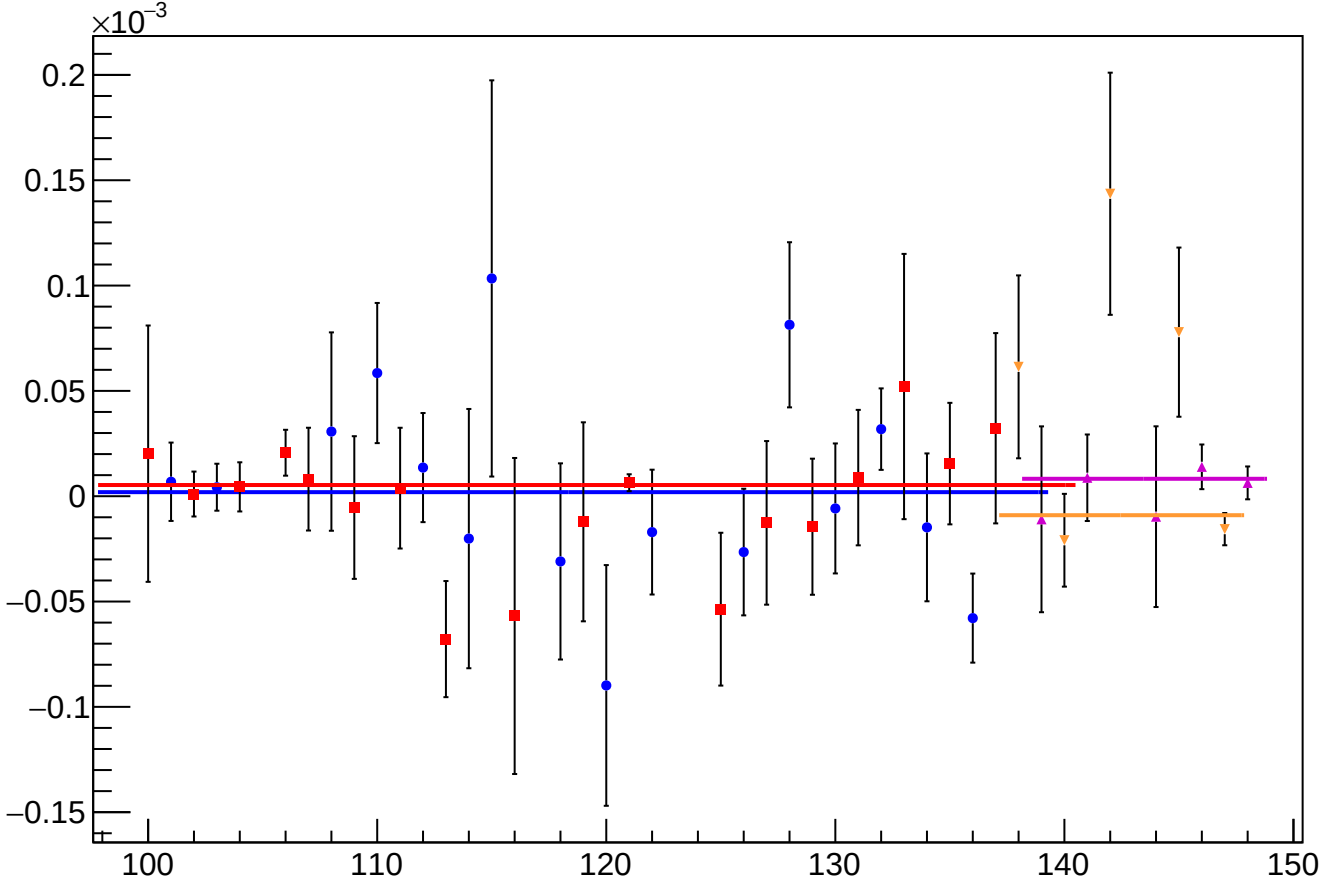
Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

+ sign 265.287+/-0.064 χ^2/NDF: 3822462.4/20

All: 259.350+/-0.044 χ^2/NDF: 8116748.5/43

- sign 253.992+/-0.061 χ^2/NDF: 4278037.2/22

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

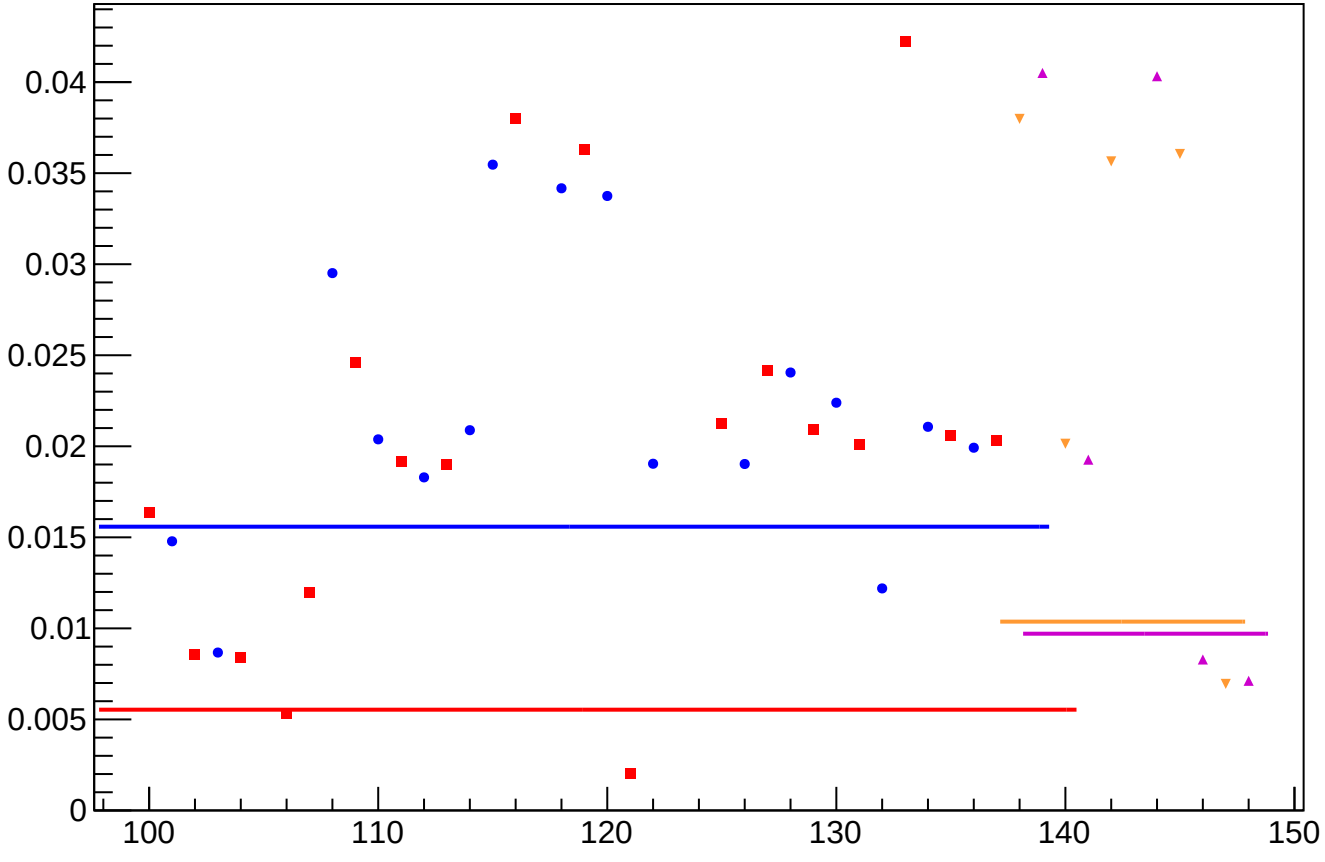
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/20

All: 0.000+/-0.000 χ^2/NDF: 59.0/43

- sign 0.000+/-0.000 χ^2/NDF: 15.4/22

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

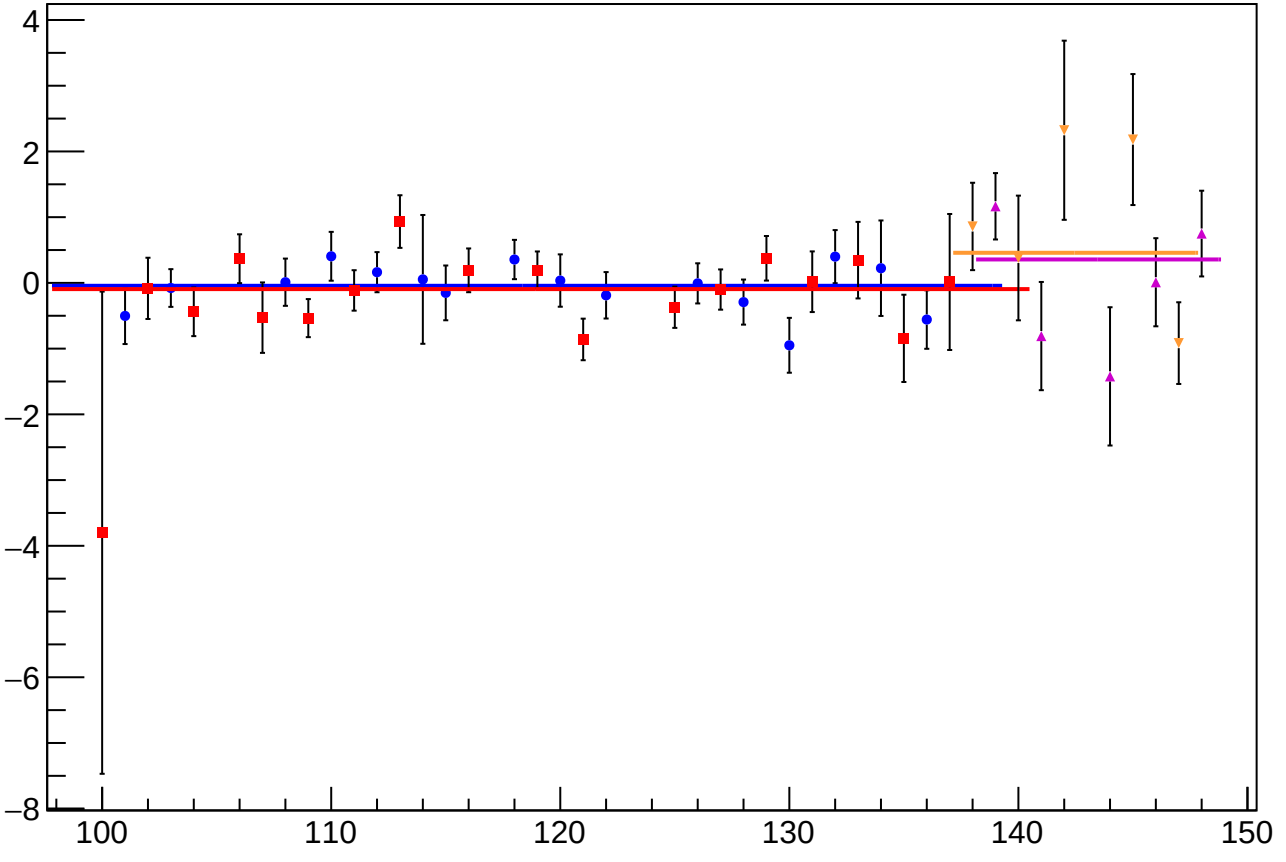
Left In: 0.010+/-0.000 χ^2/NDF:2682678.9/4

+ sign 0.013+/-0.000 χ^2/NDF: 5490594.6/20

All: 0.008+/-0.000 χ^2/NDF: 19914358.0/43

- sign 0.006+/-0.000 χ^2/NDF: 11411703.2/22

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

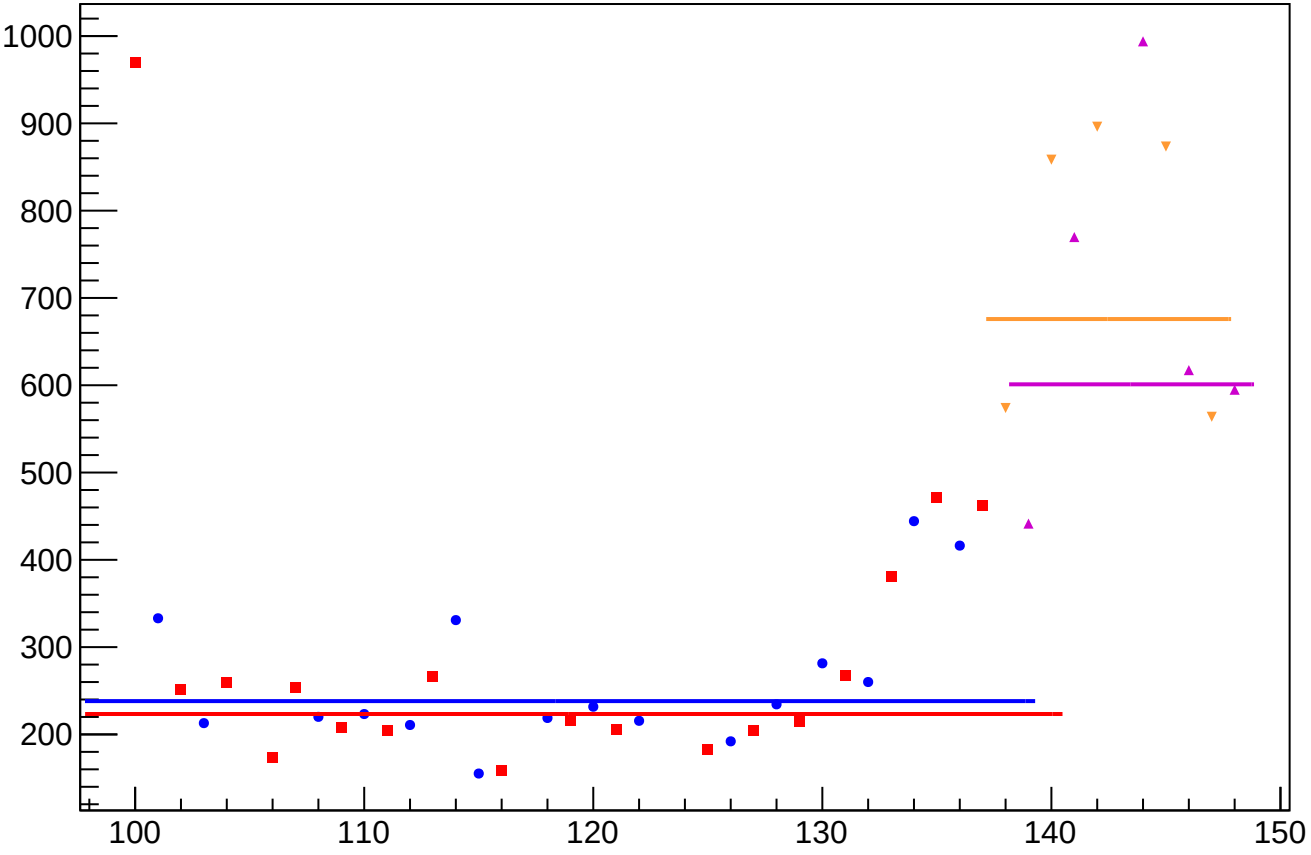
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.037+/-0.063 χ^2/NDF: 60.5/43

- sign -0.058+/-0.086 χ^2/NDF: 35.4/22

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

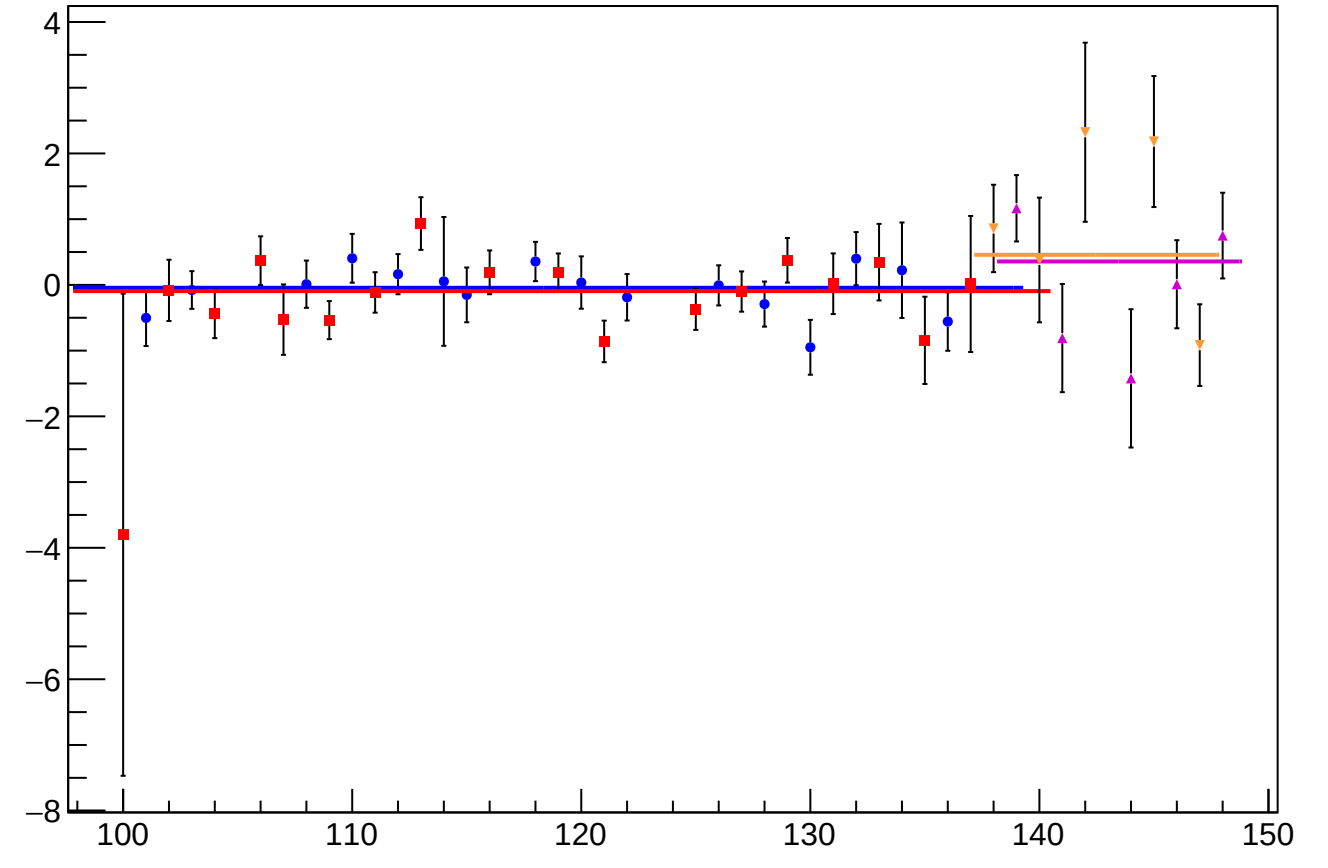
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

+ sign 265.288+/-0.064 χ^2/NDF: 3822462.4/20

All: 259.352+/-0.044 χ^2/NDF: 8116706.7/43

- sign 253.994+/-0.061 χ^2/NDF: 4277998.2/22



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

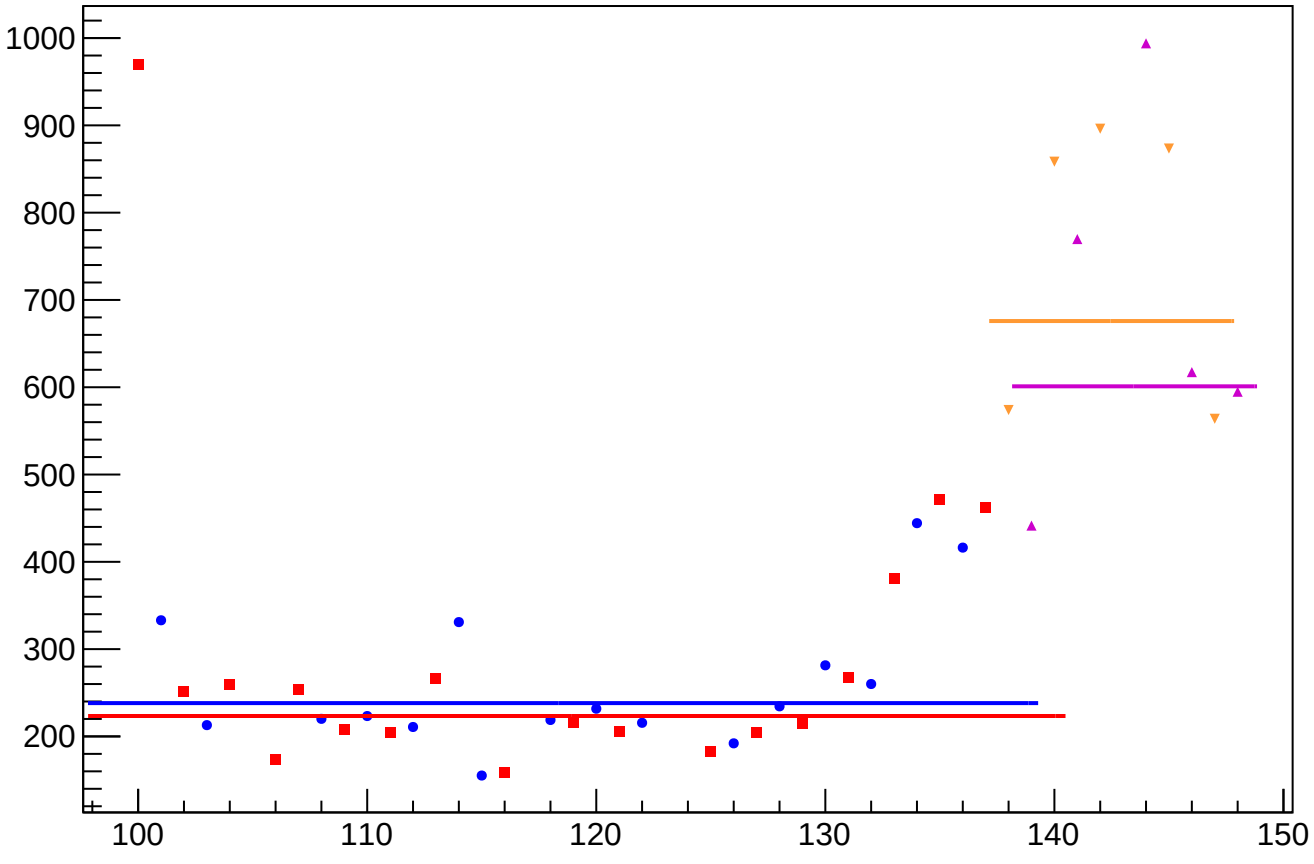
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

\+ sign -0.013+/-0.091 χ^2/NDF: 25.0/20

All: -0.037+/-0.063 χ^2/NDF: 60.5/43

\- sign -0.058+/-0.086 χ^2/NDF: 35.4/22



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

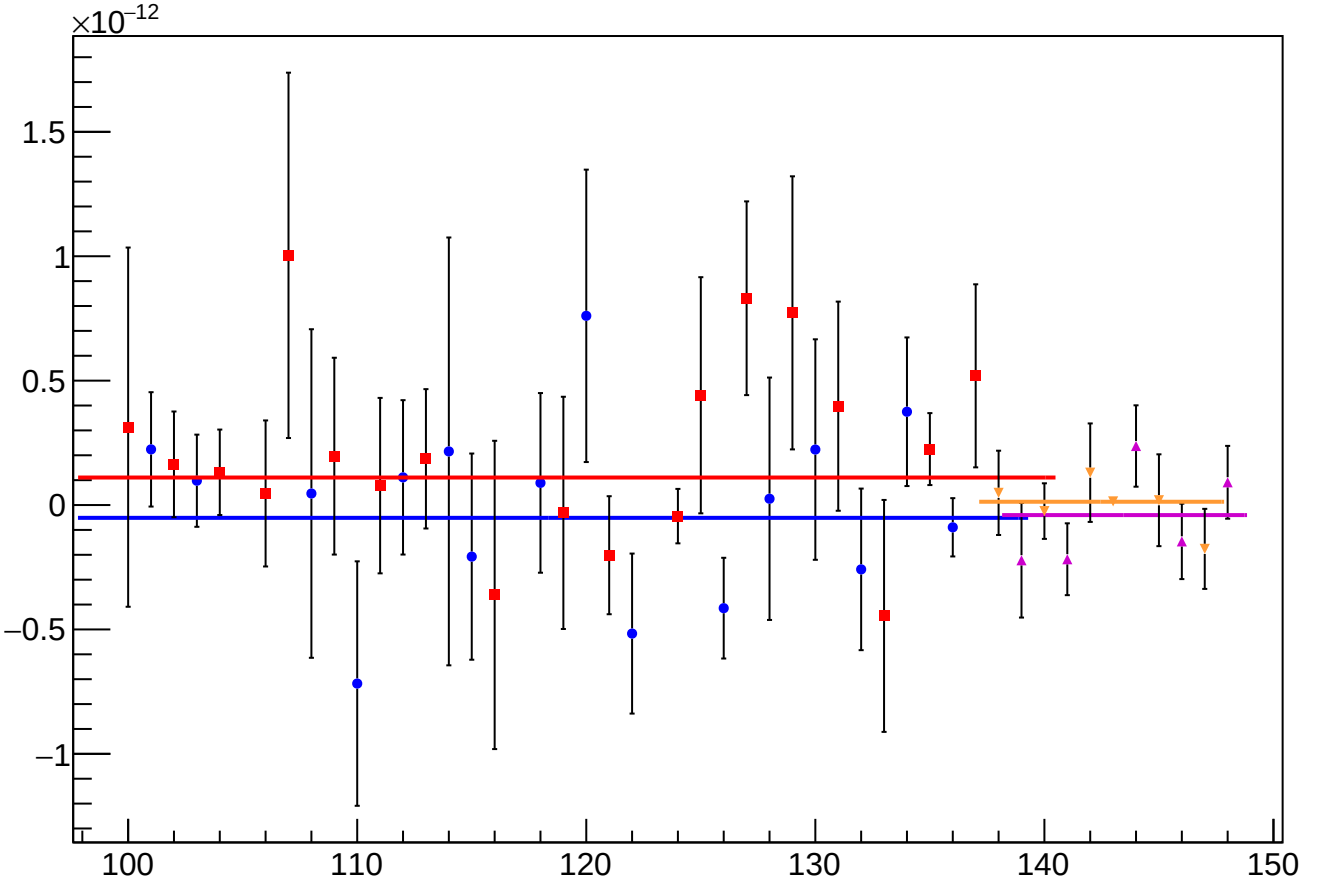
Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

+ sign 265.288+/-0.064 χ^2/NDF: 3822462.4/20

All: 259.352+/-0.044 χ^2/NDF: 8116706.7/43

- sign 253.994+/-0.061 χ^2/NDF: 4277998.2/22

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

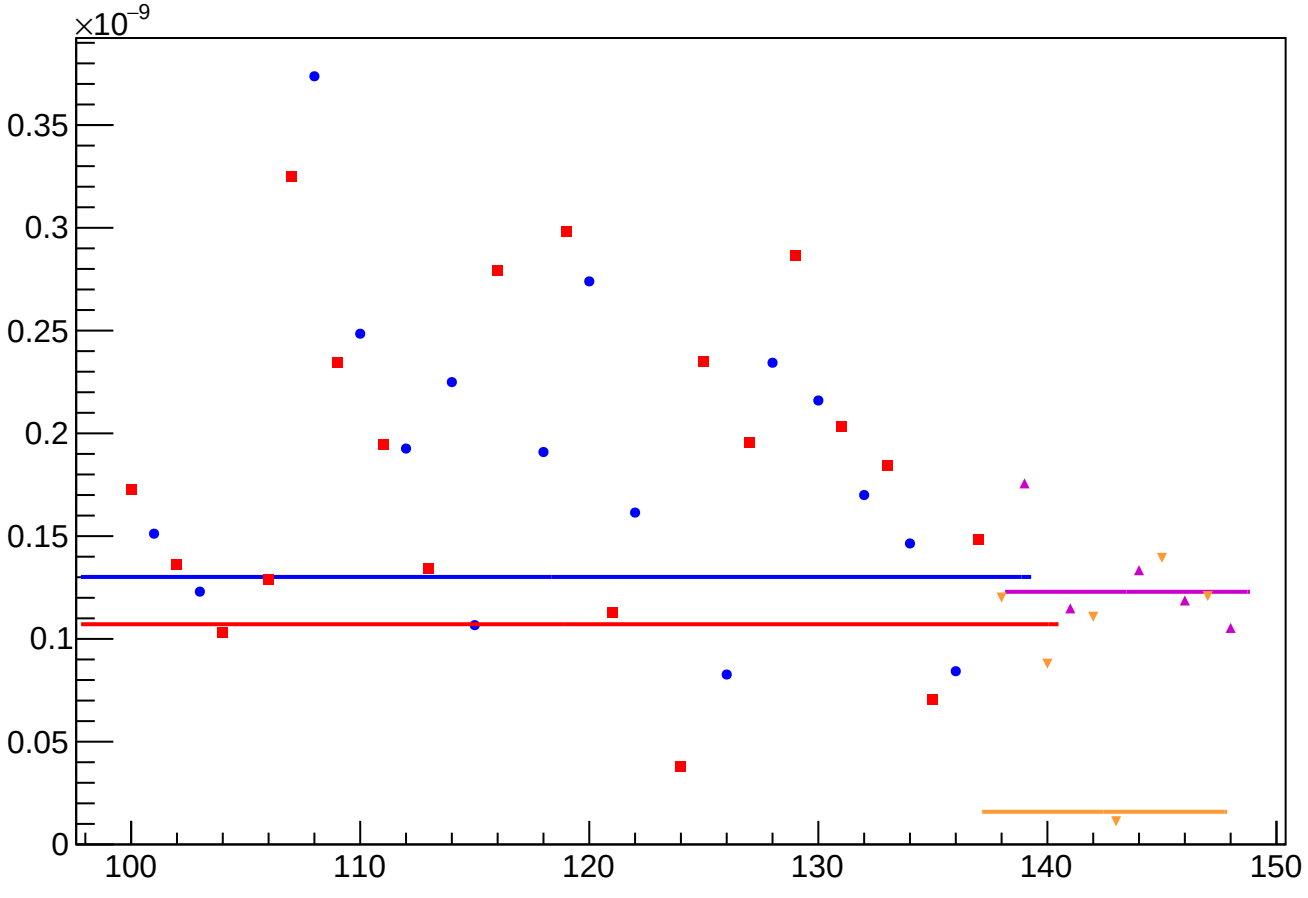
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/21

All: 0.000+/-0.000 χ^2/NDF: 42.5/45

- sign 0.000+/-0.000 χ^2/NDF: 24.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3976518.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

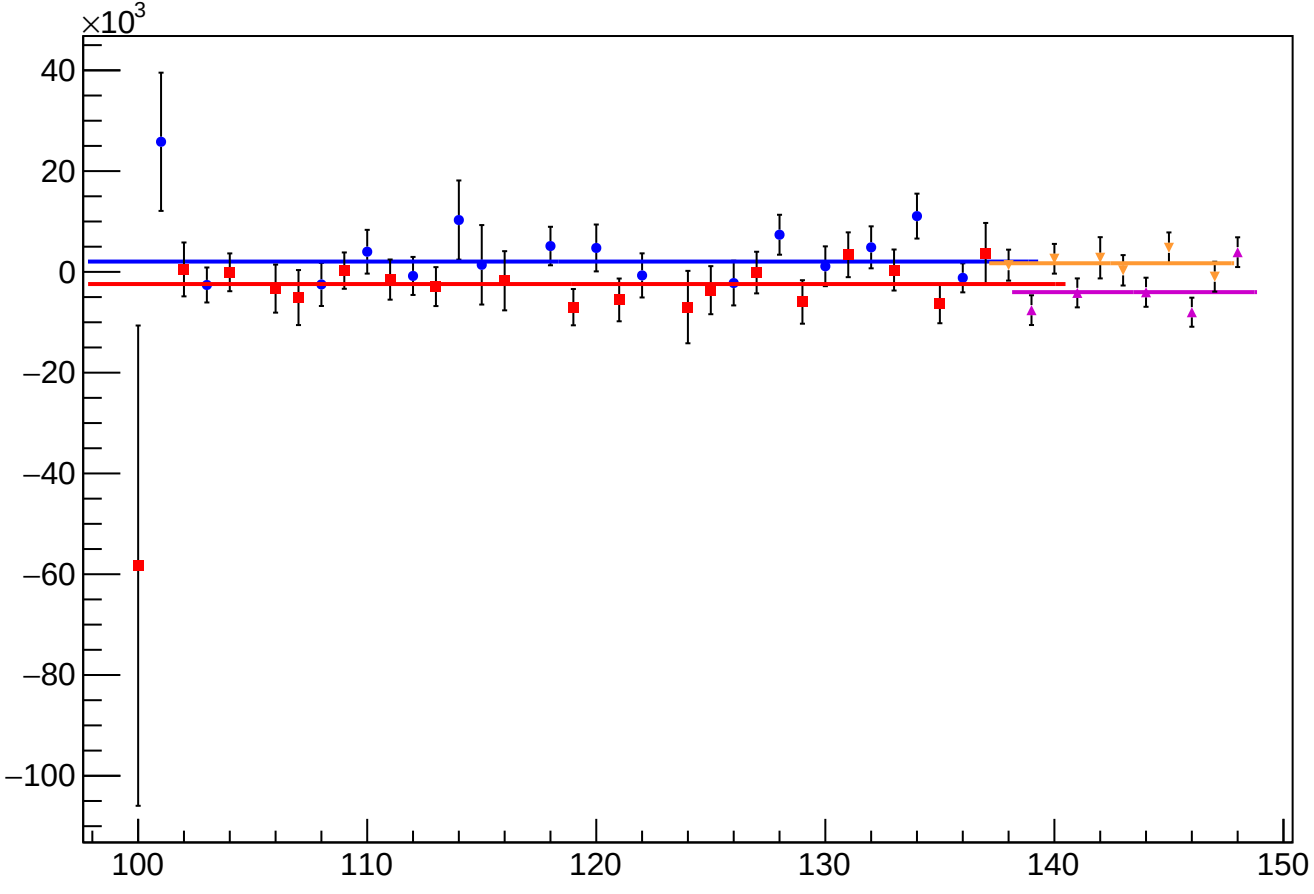
Left In: 0.000+/-0.000 χ^2/NDF:149836.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 10773721.6/21

All: 0.000+/-0.000 χ^2/NDF: 21056155.9/45

- sign 0.000+/-0.000 χ^2/NDF: 2863702.9/23

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

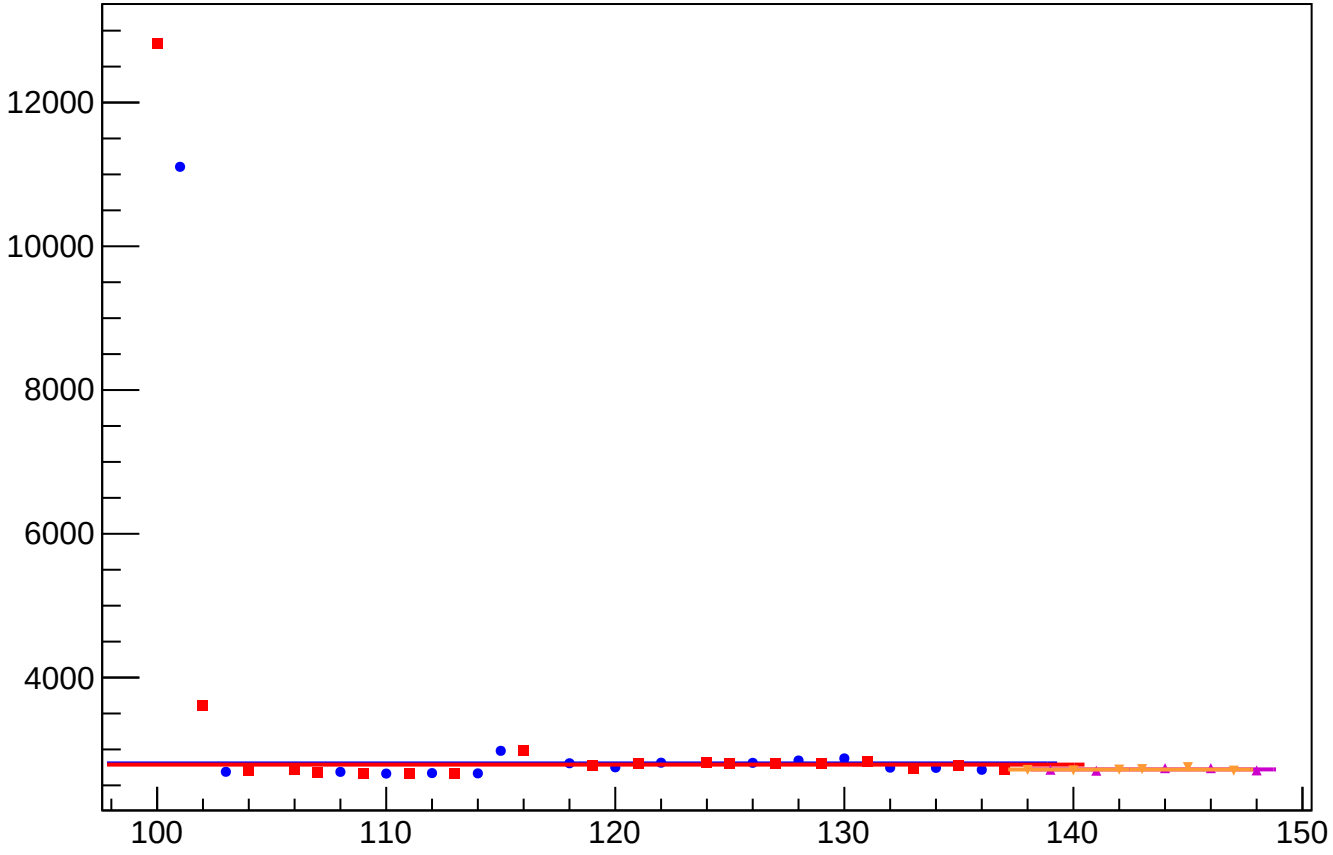
Left In: -4018.402+/-1301.395 χ^2/NDF:10.6/4

+ sign 1911.254+/-821.020 χ^2/NDF: 20.0/21

All: -594.264+/-576.714 χ^2/NDF: 60.7/45

- sign -3034.650+/-810.278 χ^2/NDF: 22.3/23

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

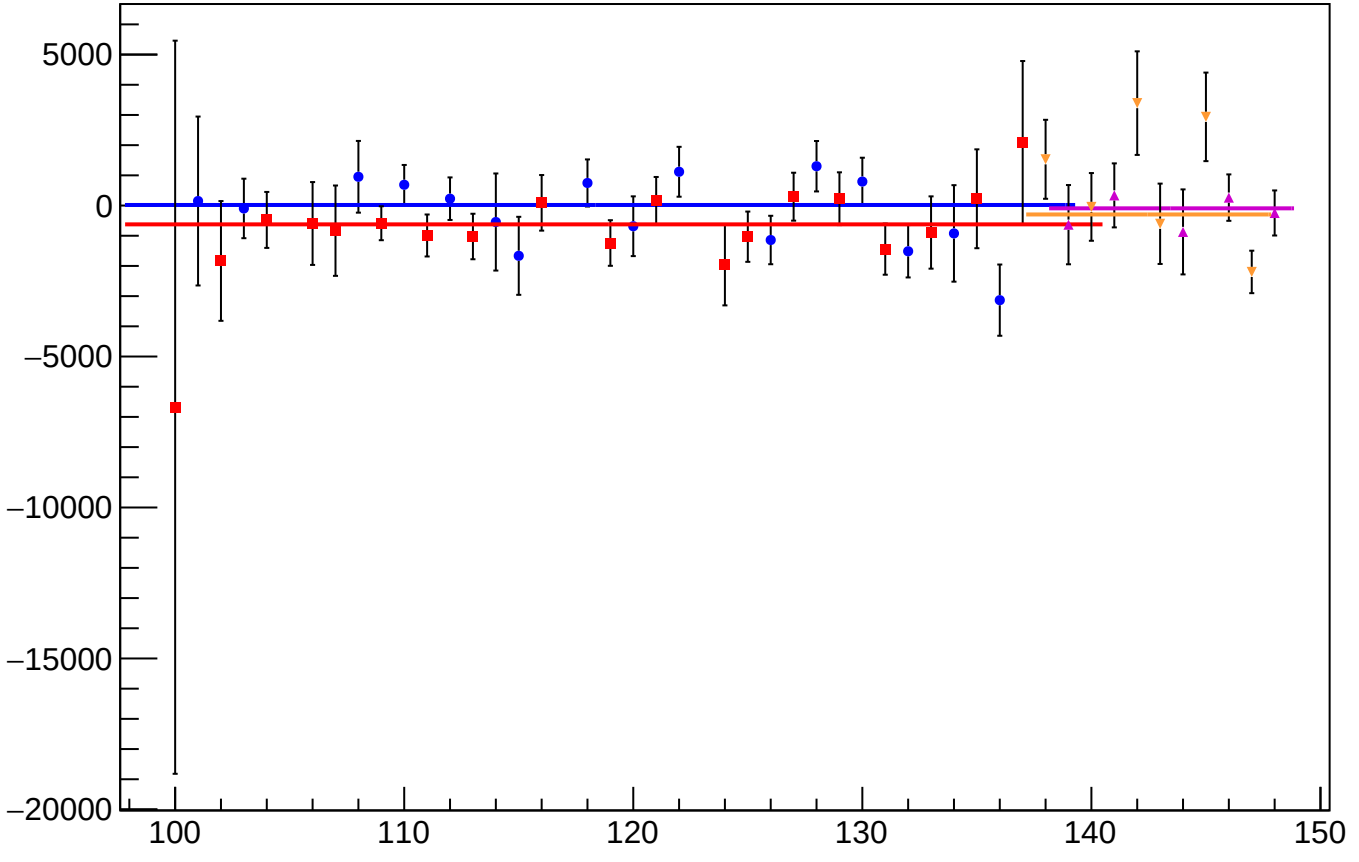
Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2770.595+/-0.581 χ^2/NDF: 751733.8/21

All: 2766.734+/-0.408 χ^2/NDF: 902305.5/45

- sign 2762.973+/-0.573 χ^2/NDF: 150484.4/23

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

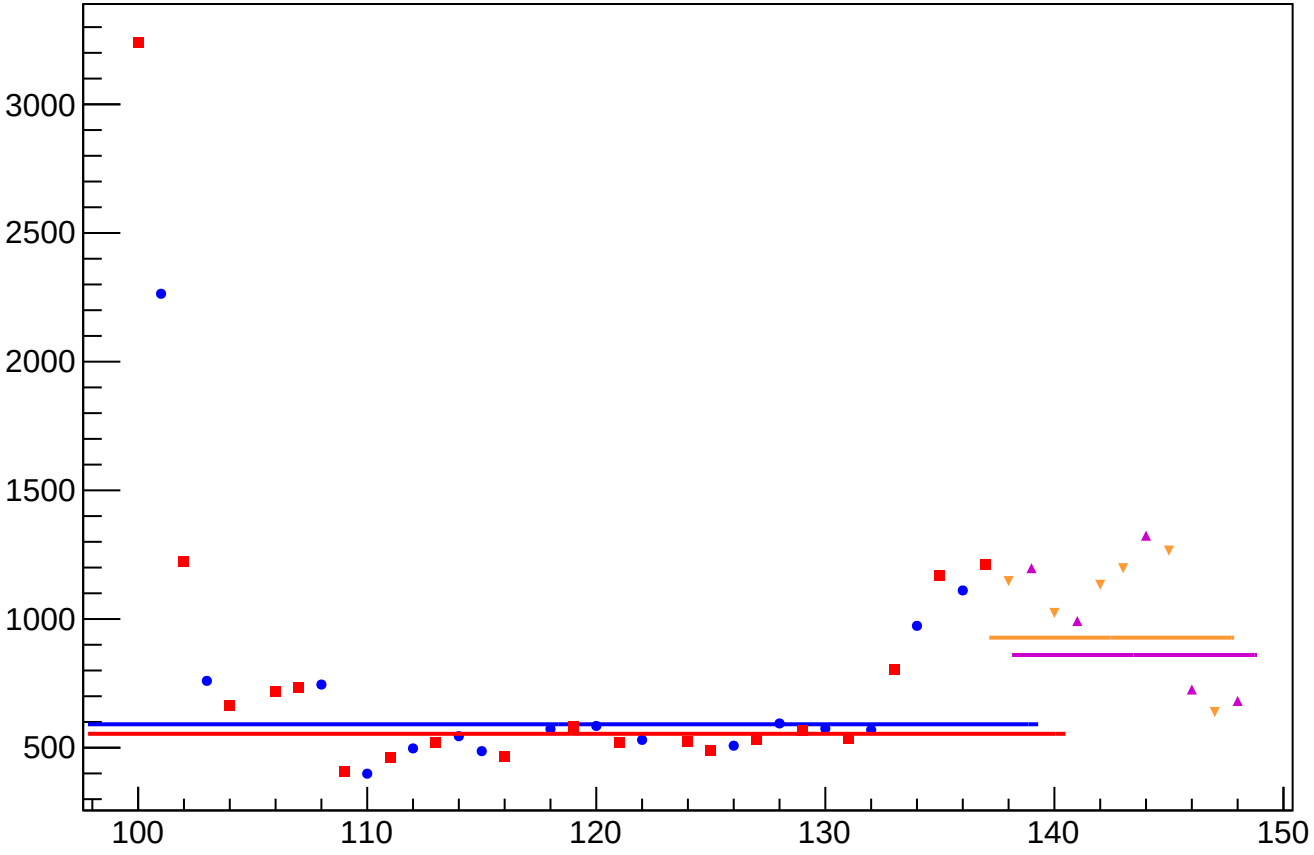
Left In: -92.388+/-427.842 χ^2/NDF:0.9/4

+ sign -45.871+/-207.992 χ^2/NDF: 42.0/21

All: -298.403+/-141.390 χ^2/NDF: 56.1/45

- sign -515.353+/-192.783 χ^2/NDF: 11.4/23

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

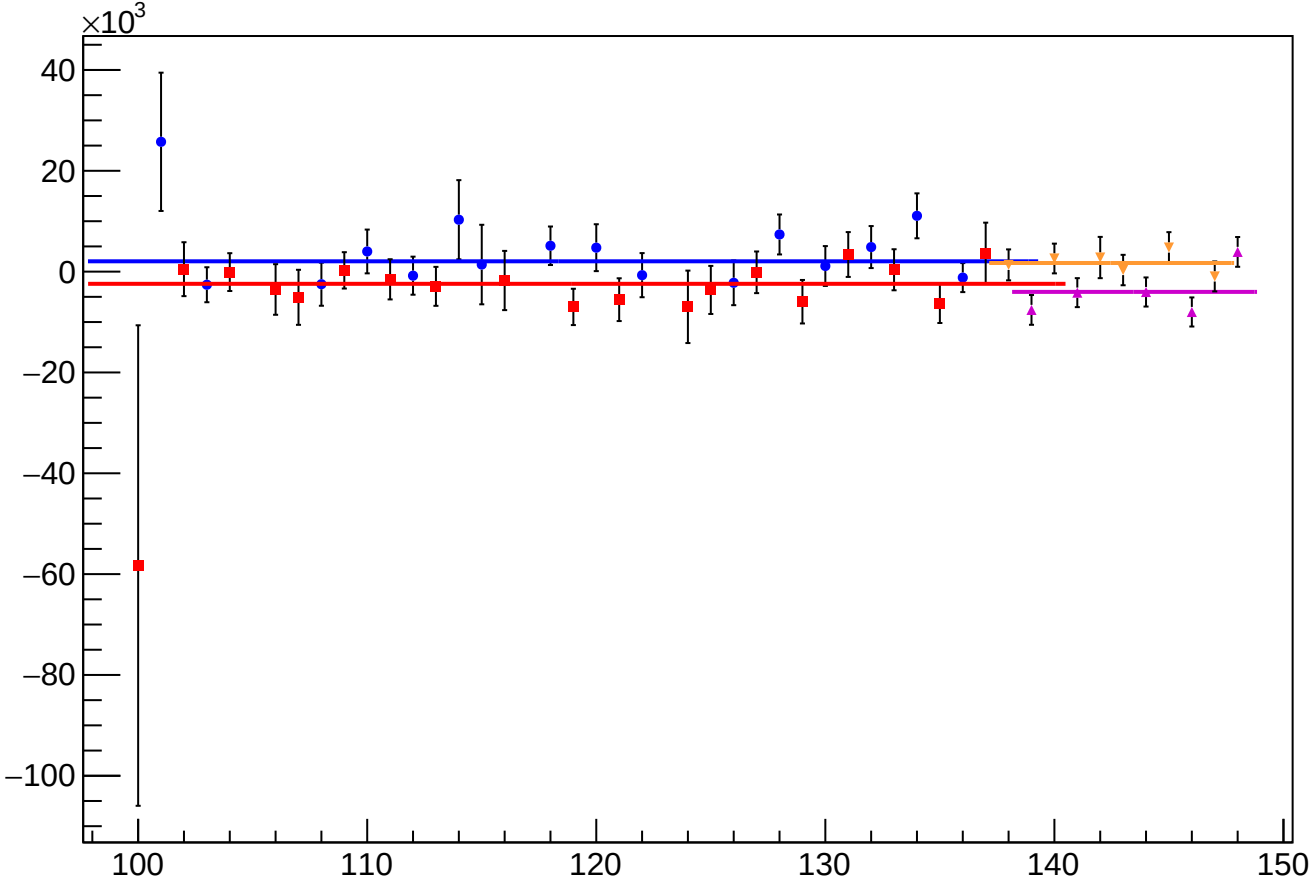
Left In: 860.285+/-0.303 χ^2/NDF:555365.2/4

+ sign 660.516+/-0.147 χ^2/NDF: 3051731.4/21

All: 636.664+/-0.100 χ^2/NDF: 5589882.2/45

- sign 616.172+/-0.136 χ^2/NDF: 2489250.8/23

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

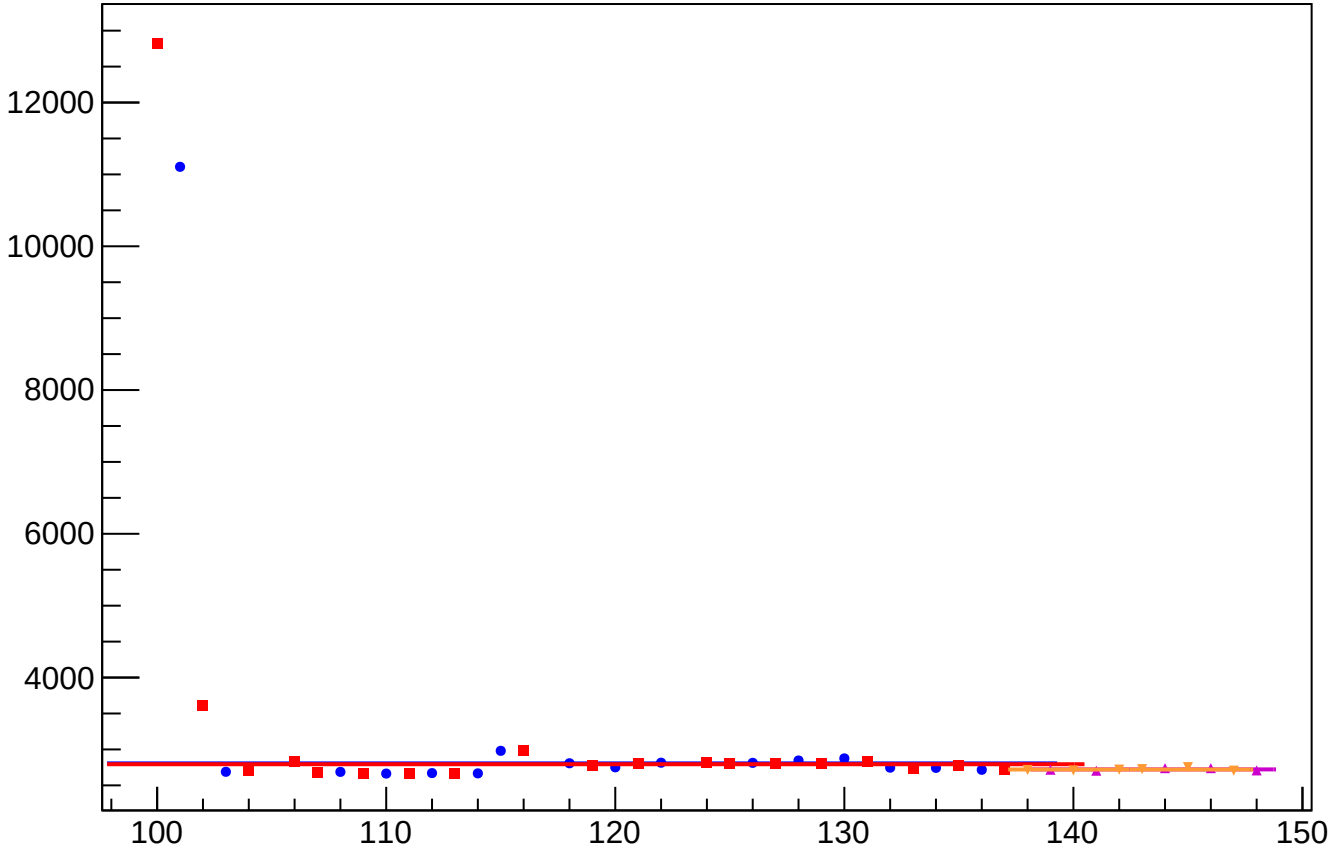
Left In: -4018.565+/-1301.395 χ^2/NDF:10.6/4

+ sign 1910.822+/-821.020 χ^2/NDF: 20.0/21

All: -593.789+/-577.125 χ^2/NDF: 60.7/45

- sign -3040.168+/-811.420 χ^2/NDF: 22.3/23

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

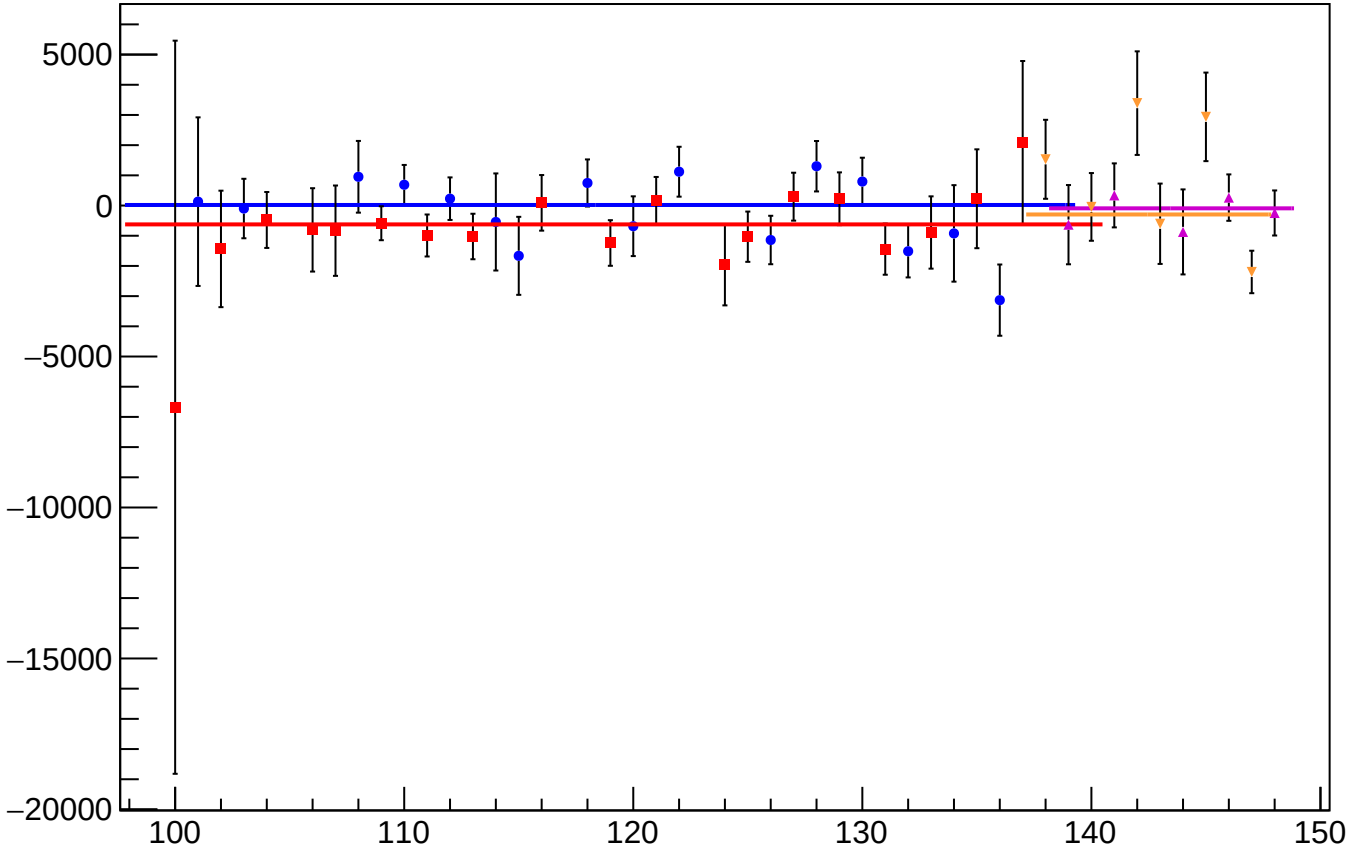
Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2770.595+/-0.581 χ^2/NDF: 751732.9/21

All: 2768.353+/-0.408 χ^2/NDF: 902521.2/45

- sign 2766.162+/-0.574 χ^2/NDF: 150758.9/23

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

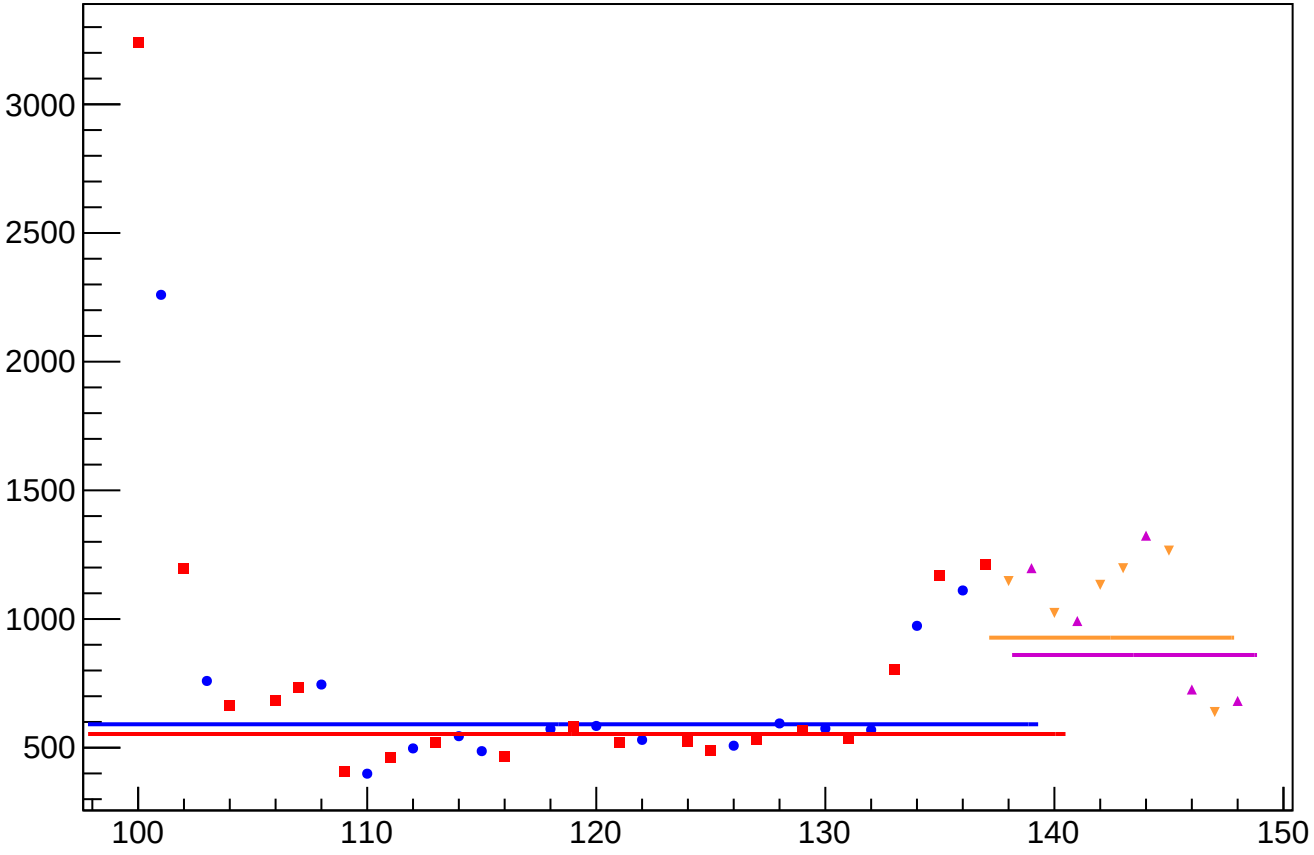
Left In: -92.458+/-427.834 χ^2/NDF:0.9/4

+ sign -45.964+/-207.984 χ^2/NDF: 42.0/21

All: -298.979+/-141.374 χ^2/NDF: 56.0/45

- sign -516.285+/-192.749 χ^2/NDF: 11.2/23

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

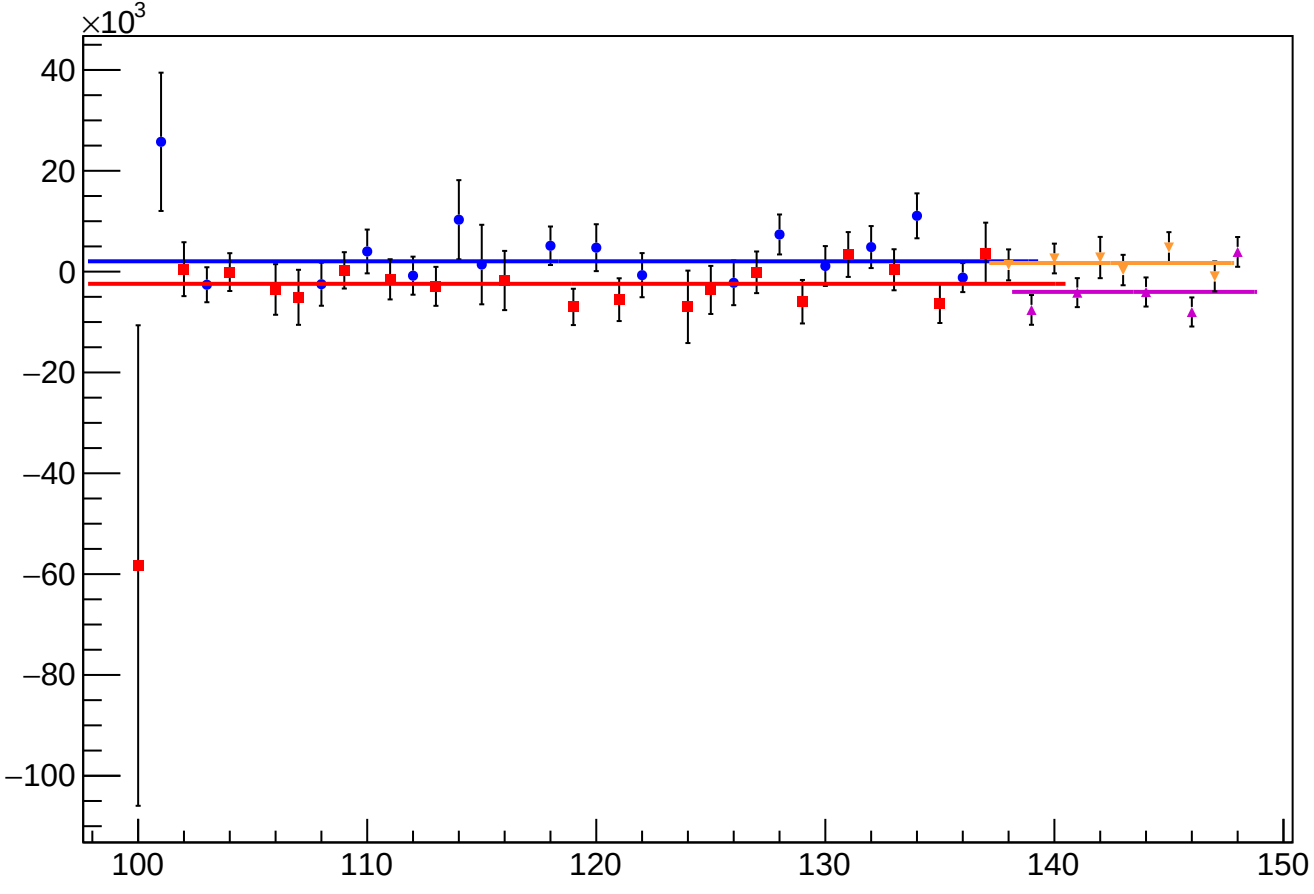
Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

+ sign 660.511+/-0.147 χ^2/NDF: 3050684.9/21

All: 636.324+/-0.100 χ^2/NDF: 5578998.6/45

- sign 615.551+/-0.136 χ^2/NDF: 2478037.9/23

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

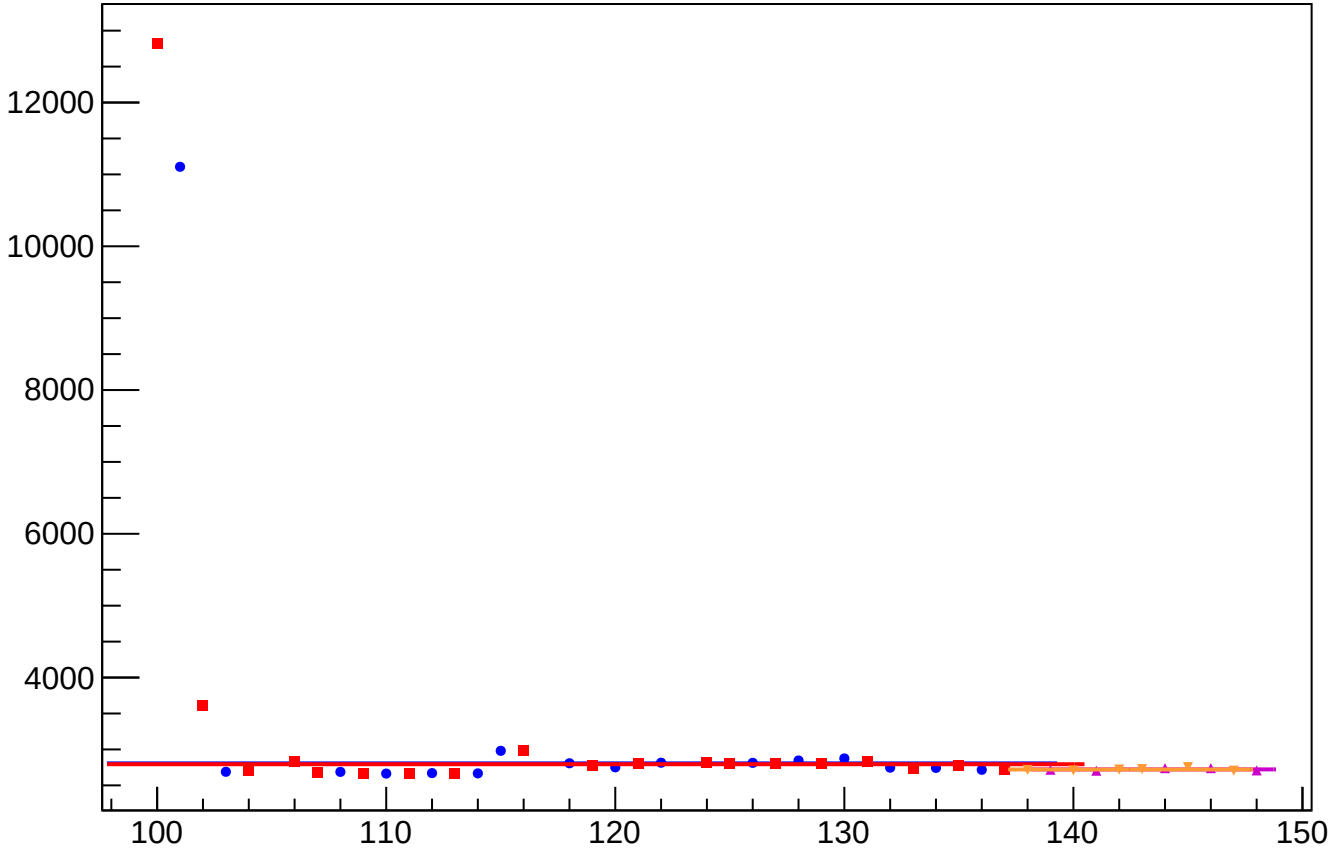
Left In: -4018.565+/-1301.395 χ^2/NDF:10.6/4

+ sign 1910.822+/-821.020 χ^2/NDF: 20.0/21

All: -593.789+/-577.125 χ^2/NDF: 60.7/45

- sign -3040.168+/-811.420 χ^2/NDF: 22.3/23

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

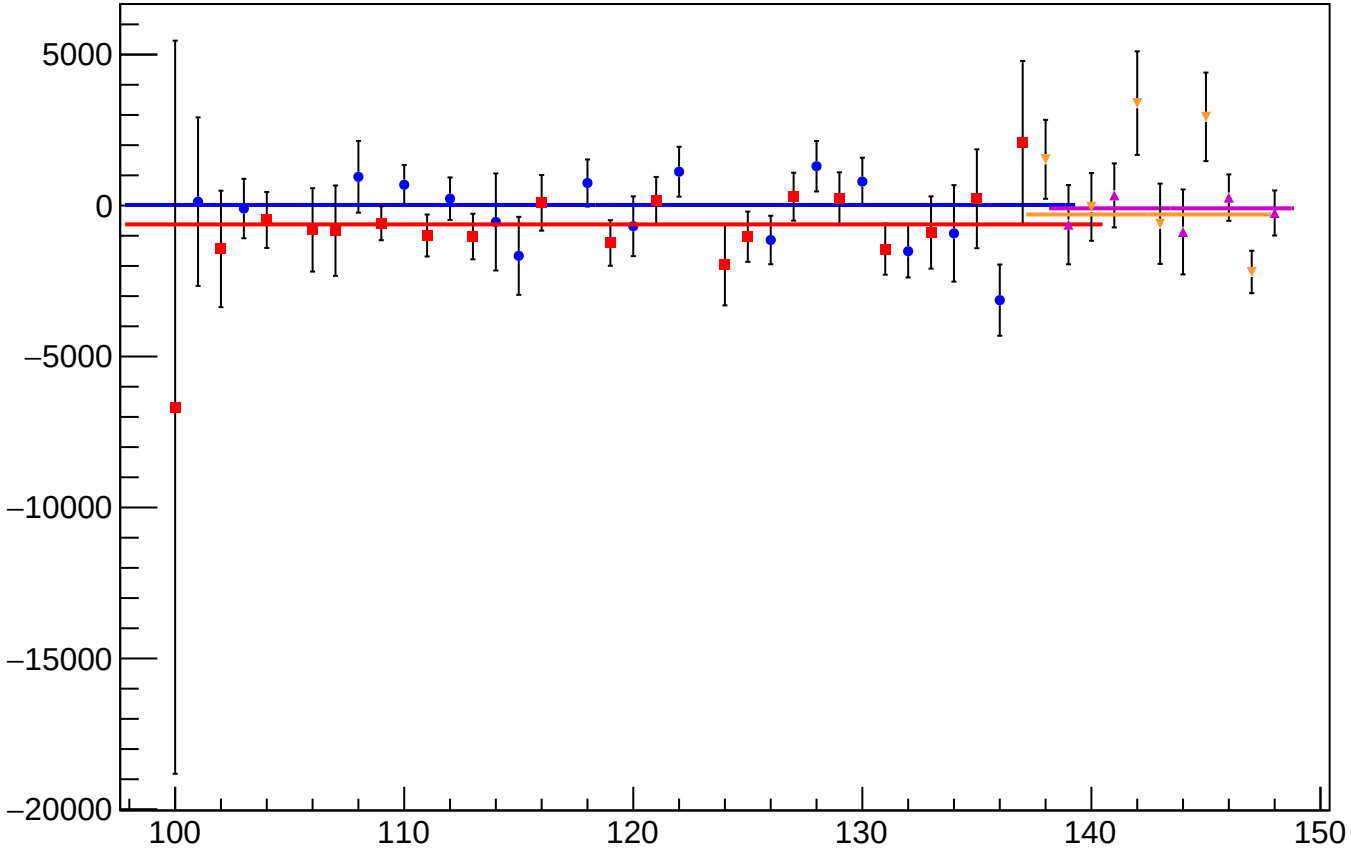
Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2770.595+/-0.581 χ^2/NDF: 751732.9/21

All: 2768.353+/-0.408 χ^2/NDF: 902521.2/45

- sign 2766.162+/-0.574 χ^2/NDF: 150758.9/23

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

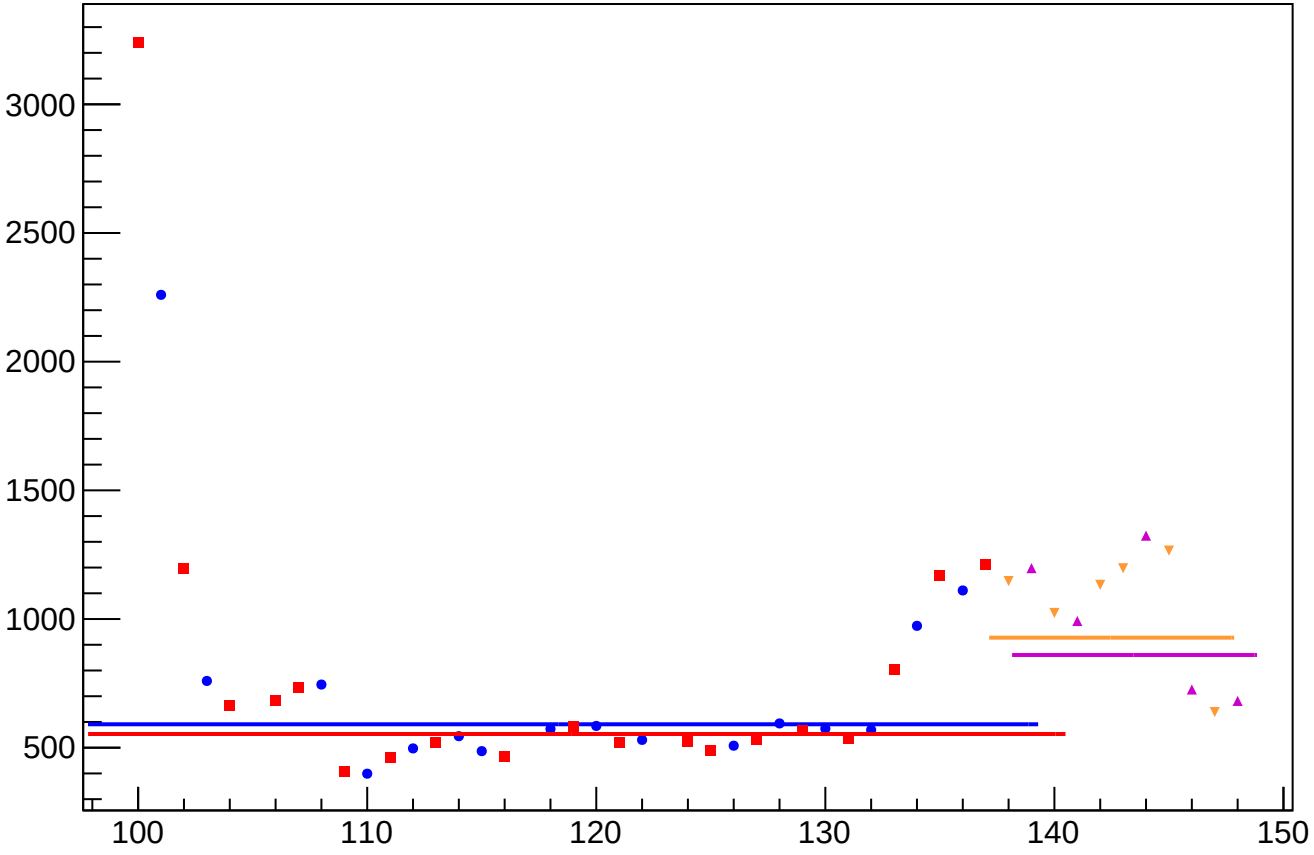
Left In: -92.458+/-427.834 χ^2/NDF:0.9/4

+ sign -45.964+/-207.984 χ^2/NDF: 42.0/21

All: -298.979+/-141.374 χ^2/NDF: 56.0/45

- sign -516.285+/-192.749 χ^2/NDF: 11.2/23

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

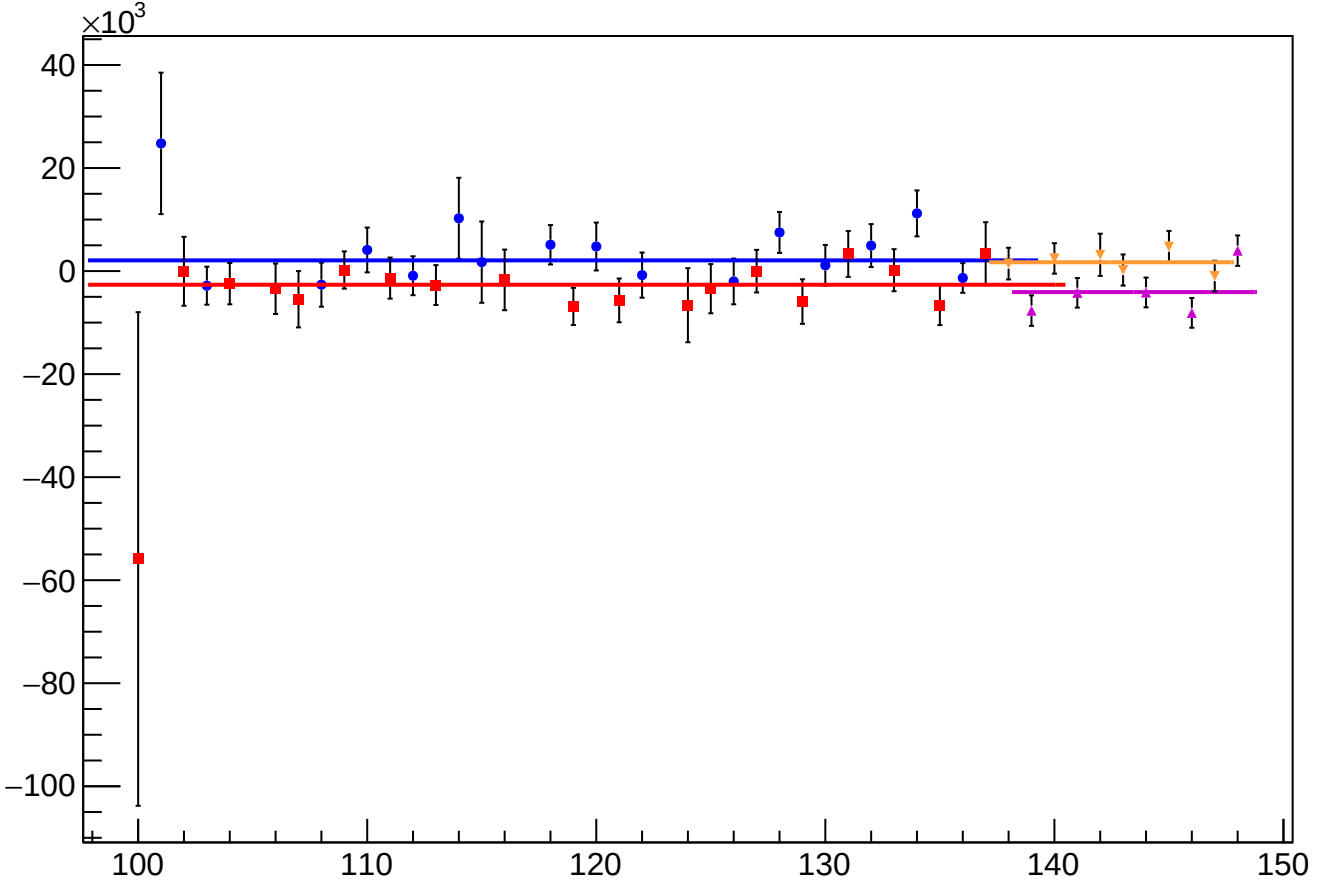
Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

+ sign 660.511+/-0.147 χ^2/NDF: 3050684.9/21

All: 636.324+/-0.100 χ^2/NDF: 5578998.6/45

- sign 615.551+/-0.136 χ^2/NDF: 2478037.9/23

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

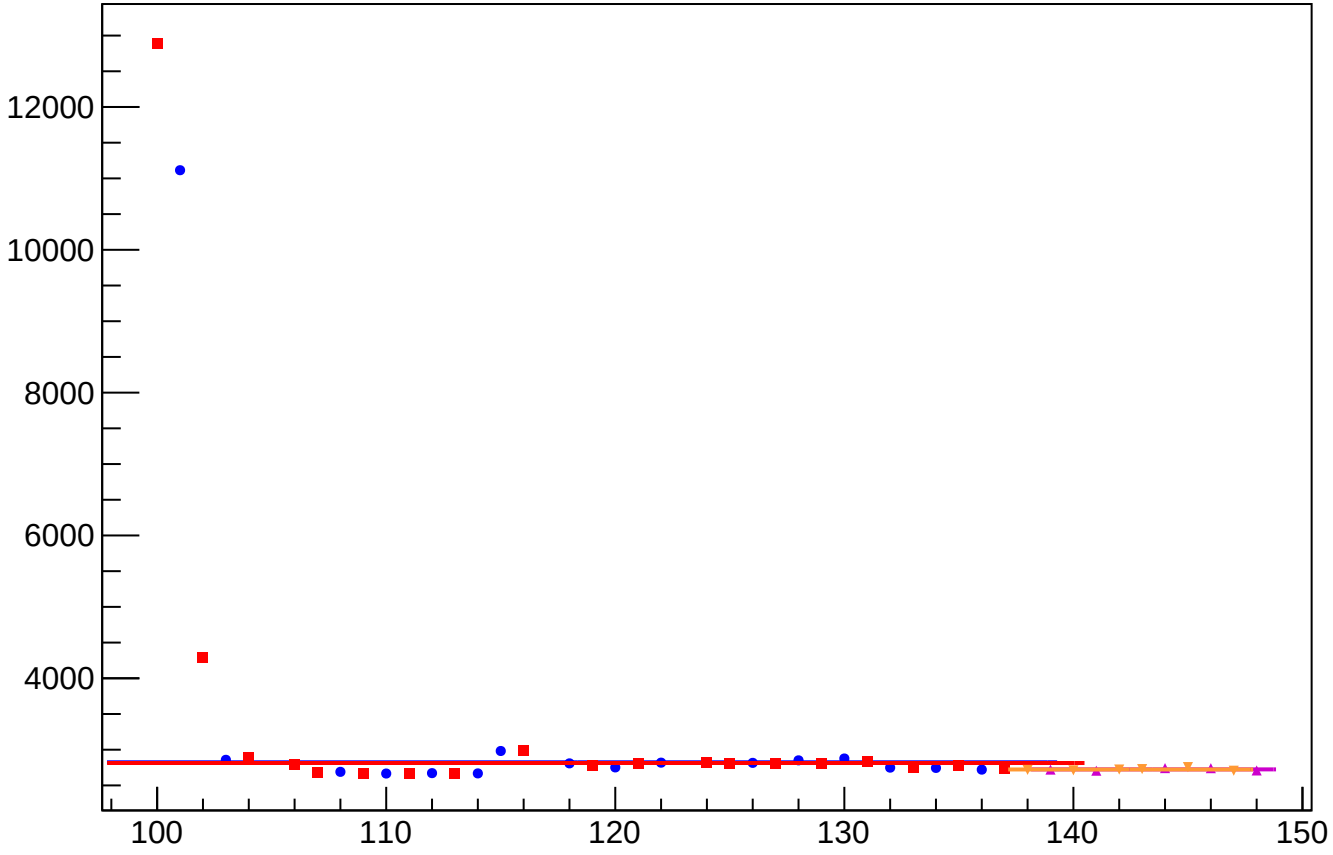
Left In: -4079.097+/-1302.457 χ^2/NDF:10.8/4

+ sign 1923.810+/-824.377 χ^2/NDF: 20.2/21

All: -668.626+/-580.435 χ^2/NDF: 61.3/45

- sign -3217.269+/-817.385 χ^2/NDF: 21.5/23

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

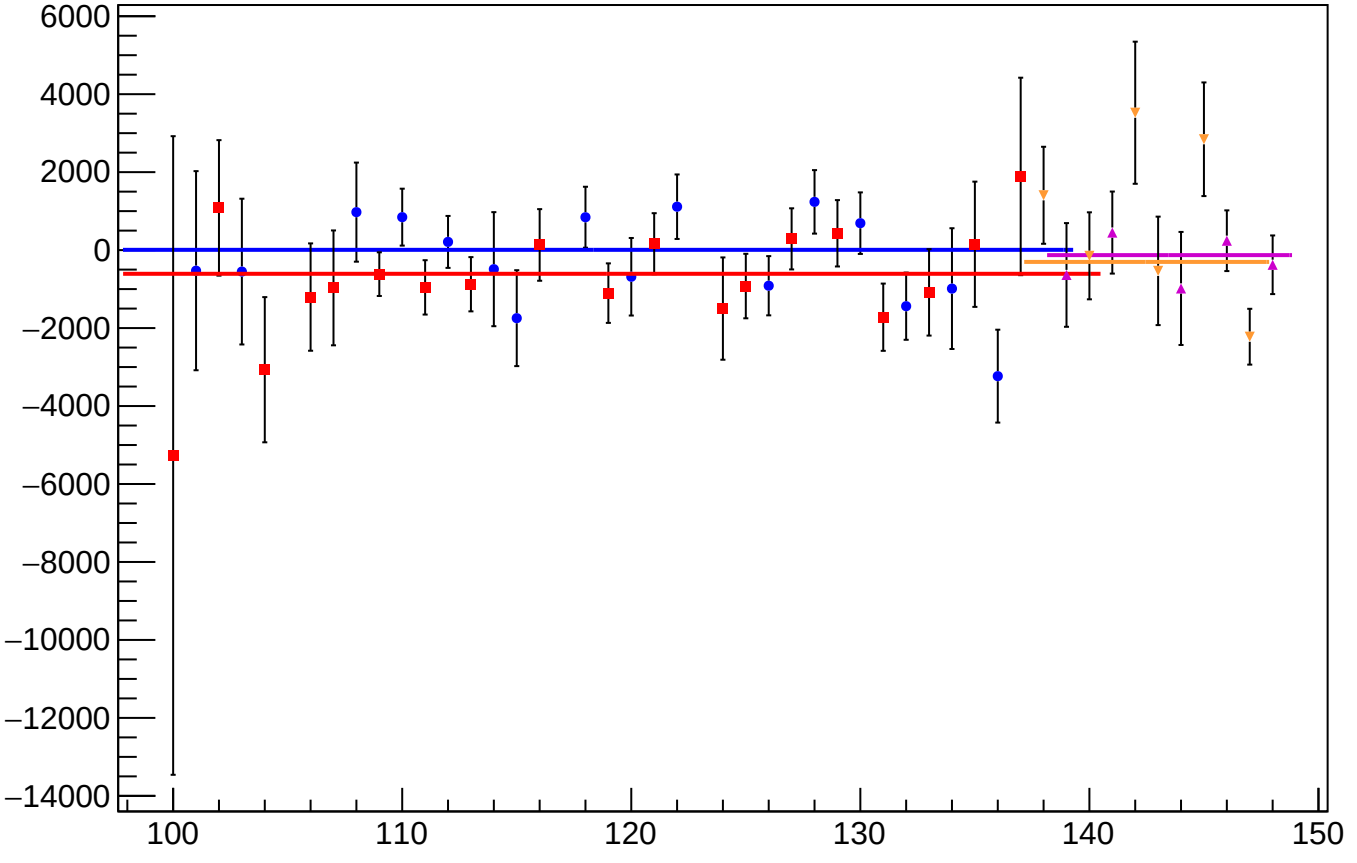
Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

+ sign 2781.926+/-0.583 χ^2/NDF: 751443.3/21

All: 2780.239+/-0.410 χ^2/NDF: 957972.9/45

- sign 2778.581+/-0.578 χ^2/NDF: 206513.0/23

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

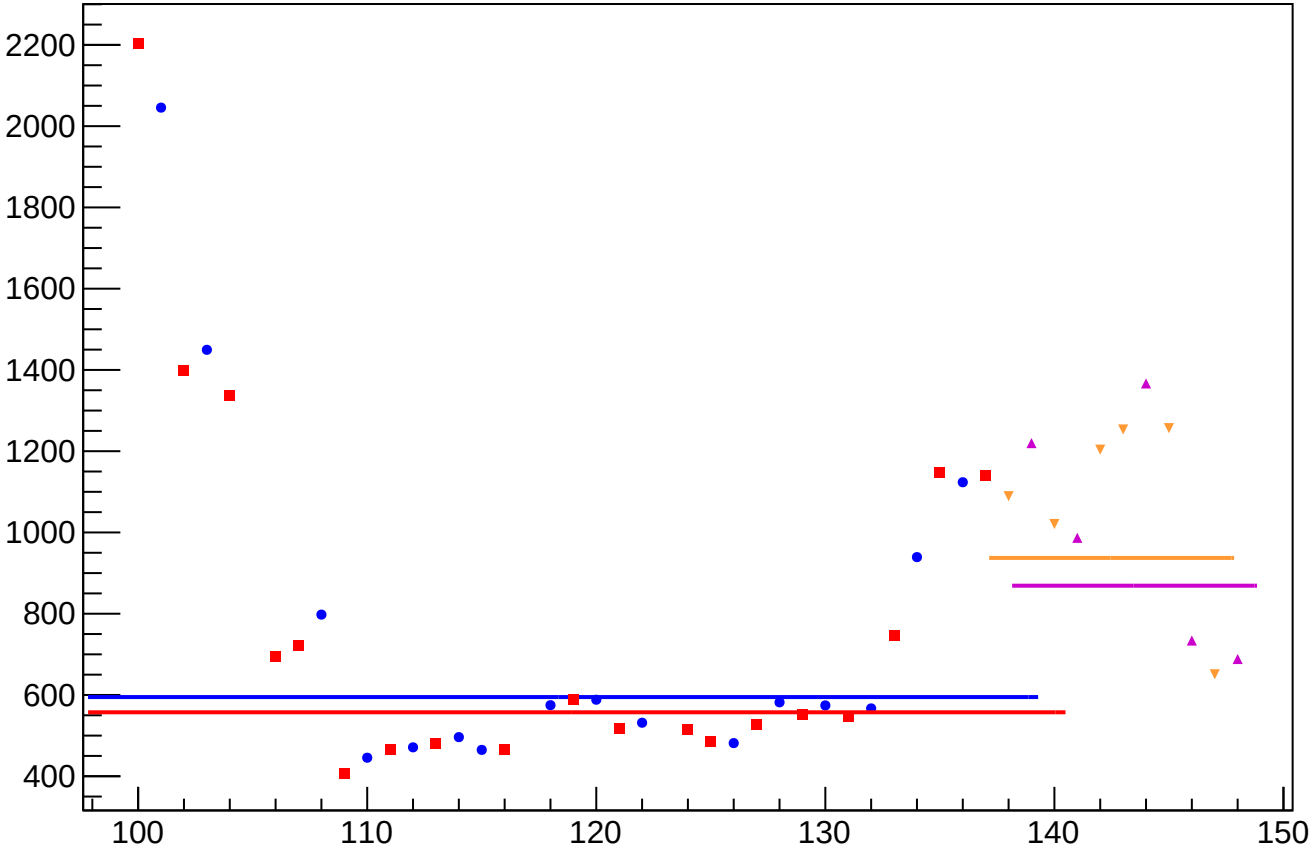
Left In: -128.554+/-431.928 χ^2/NDF:1.1/4

+ sign -57.733+/-211.180 χ^2/NDF: 41.3/21

All: -303.598+/-142.855 χ^2/NDF: 58.1/45

- sign -511.026+/-193.971 χ^2/NDF: 14.3/23

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

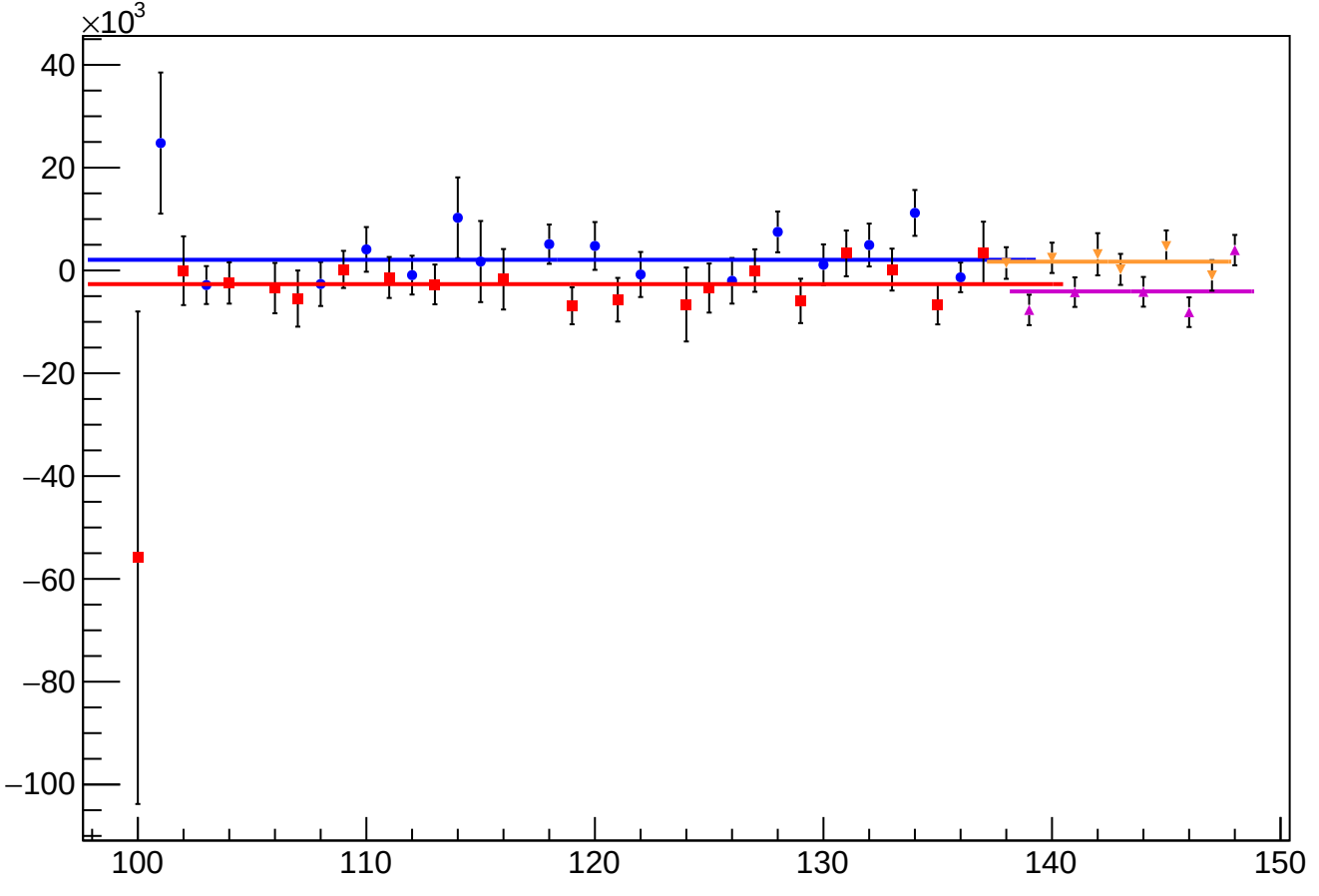
Left In: 868.989+/-0.305 χ^2/NDF:575217.9/4

+ sign 666.463+/-0.149 χ^2/NDF: 3325759.6/21

All: 641.390+/-0.101 χ^2/NDF: 6415187.4/45

- sign 620.237+/-0.137 χ^2/NDF: 3037449.9/23

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

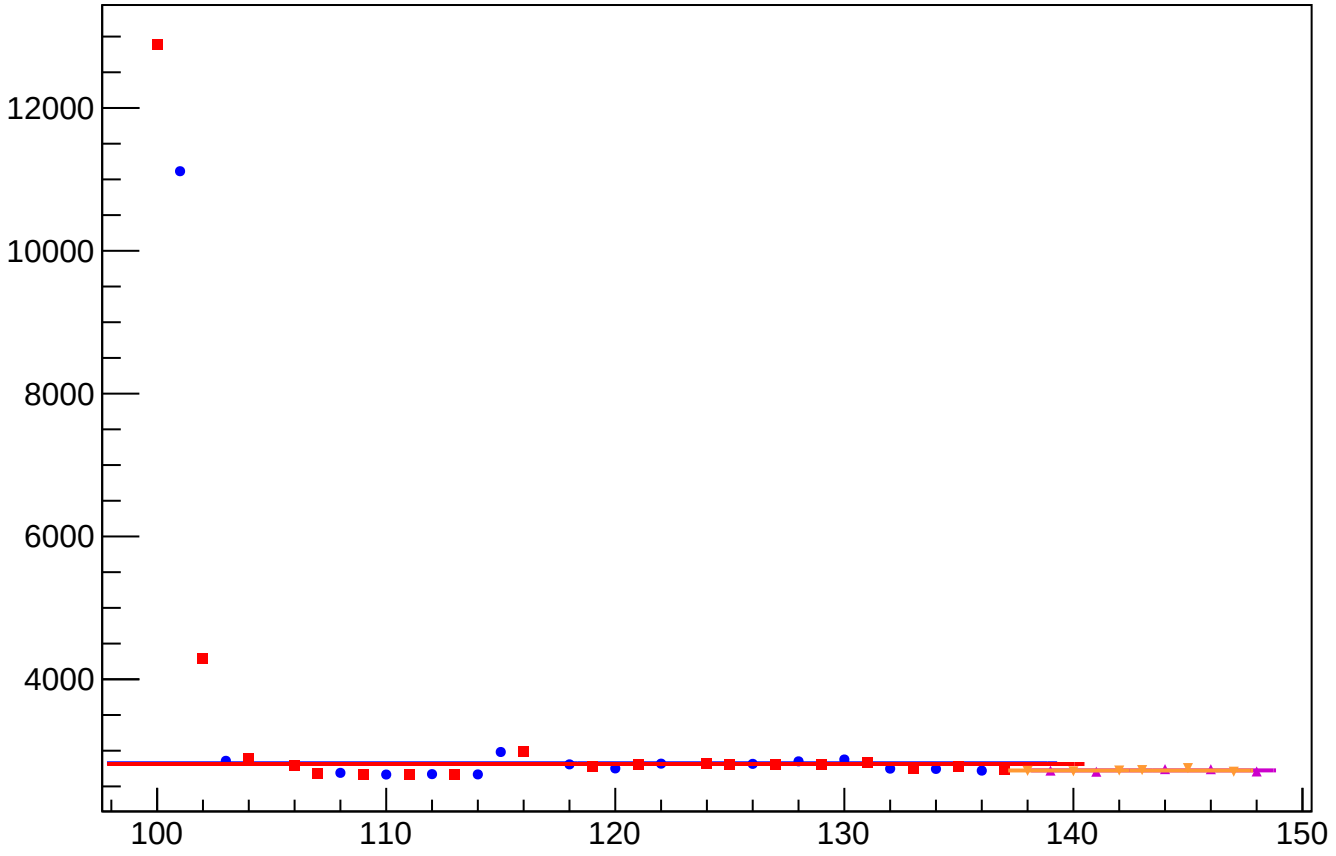
Left In: -4079.097+/-1302.457 χ^2/NDF:10.8/4

+ sign 1923.811+/-824.377 χ^2/NDF: 20.2/21

All: -668.626+/-580.435 χ^2/NDF: 61.3/45

- sign -3217.268+/-817.385 χ^2/NDF: 21.5/23

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

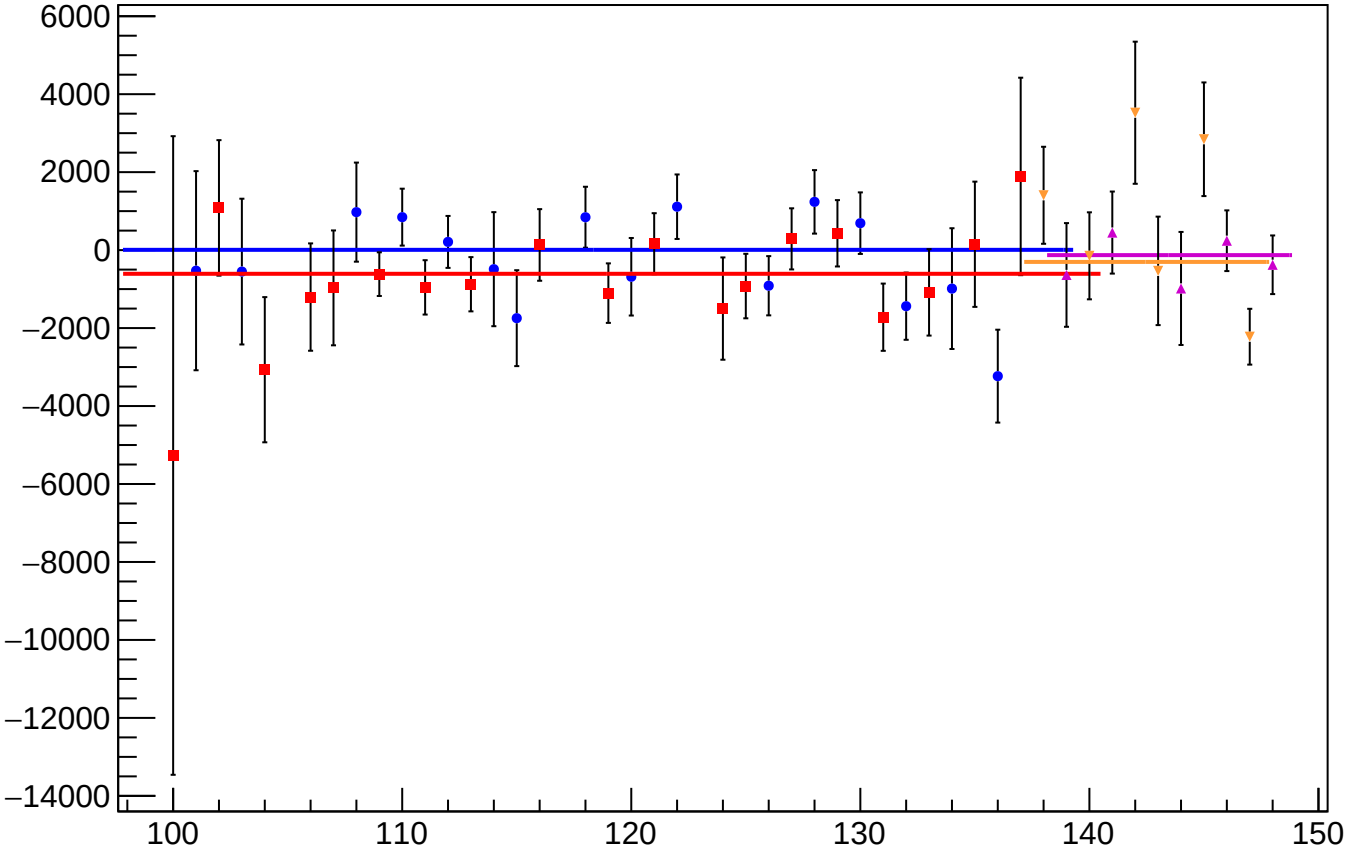
Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

+ sign 2781.926+/-0.583 χ^2/NDF: 751443.3/21

All: 2780.239+/-0.410 χ^2/NDF: 957972.6/45

- sign 2778.581+/-0.578 χ^2/NDF: 206512.8/23

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: -128.554+/-431.928 χ^2/NDF:1.1/4

+ sign -57.732+/-211.180 χ^2/NDF: 41.3/21

All: -303.598+/-142.855 χ^2/NDF: 58.1/45

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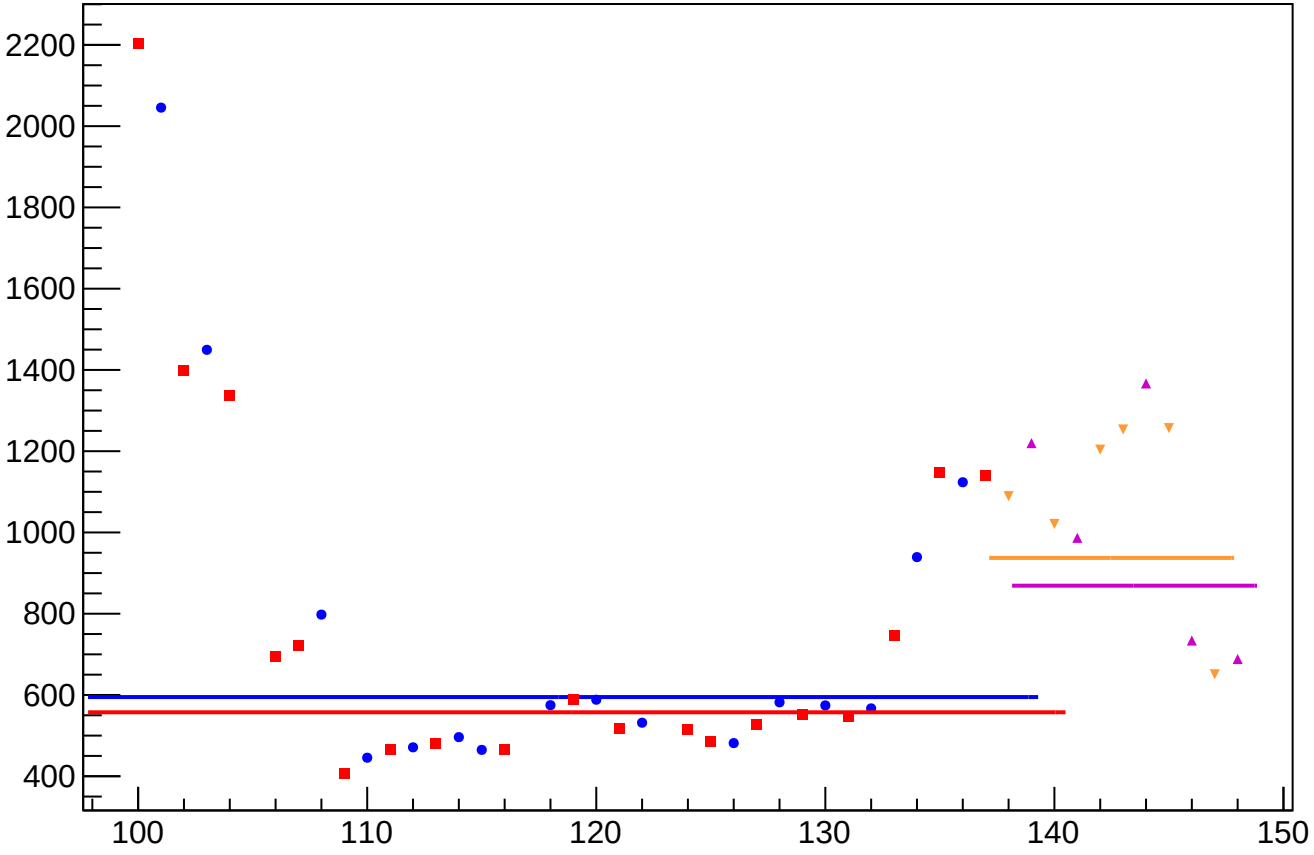
asym_atr1_eigen_dit_correction_rms vs Slug



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

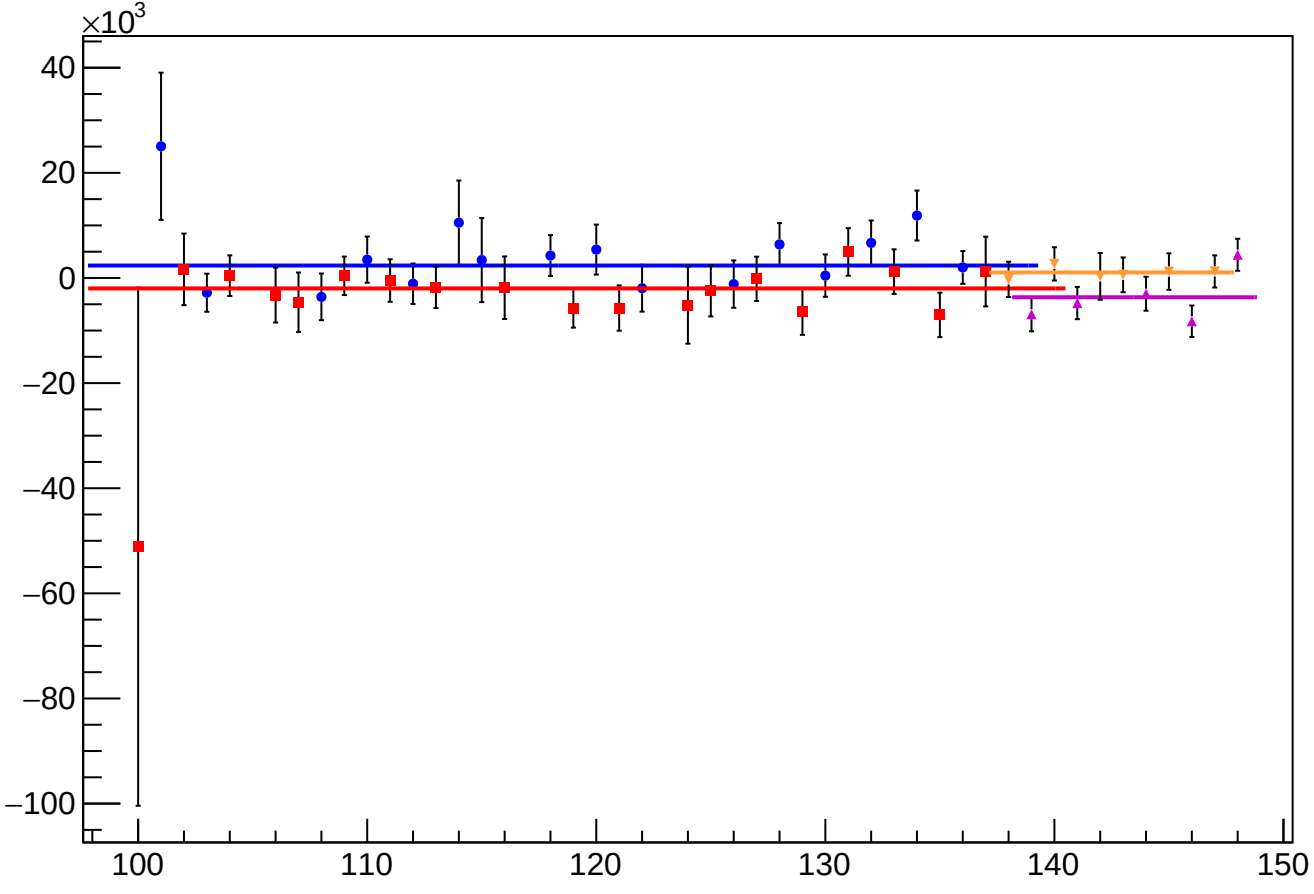
Left In: 868.990+/-0.305 χ^2/NDF:575217.9/4

+ sign 666.464+/-0.149 χ^2/NDF: 3325754.4/21

All: 641.391+/-0.101 χ^2/NDF: 6415181.3/45

- sign 620.237+/-0.137 χ^2/NDF: 3037448.5/23

asym_atr1_mean vs Slug



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

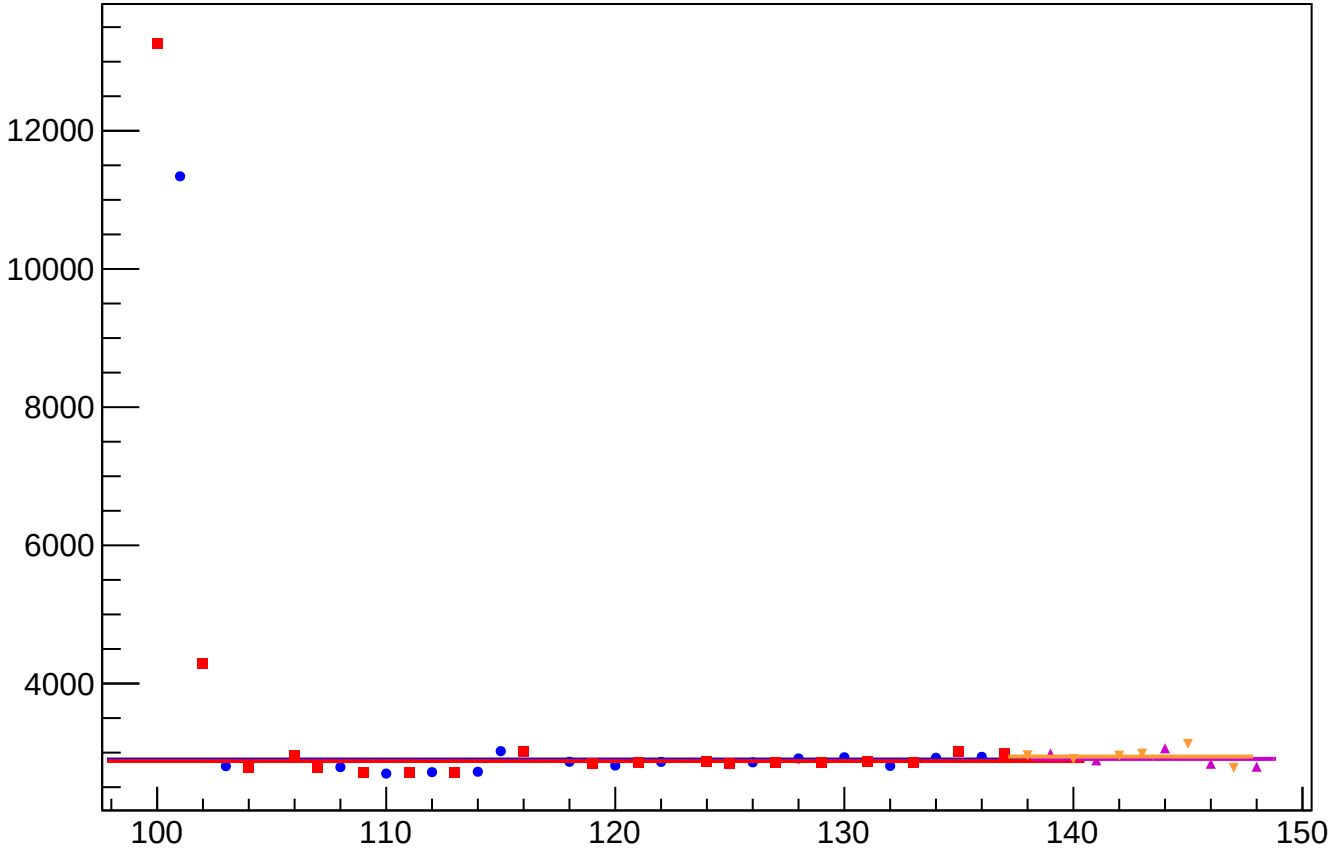
Left In: -3666.262+/-1391.755 χ^2/NDF:10.5/4

+ sign 1855.965+/-864.497 χ^2/NDF: 17.9/21

All: -414.779+/-606.433 χ^2/NDF: 53.2/45

- sign -2614.746+/-850.917 χ^2/NDF: 21.7/23

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

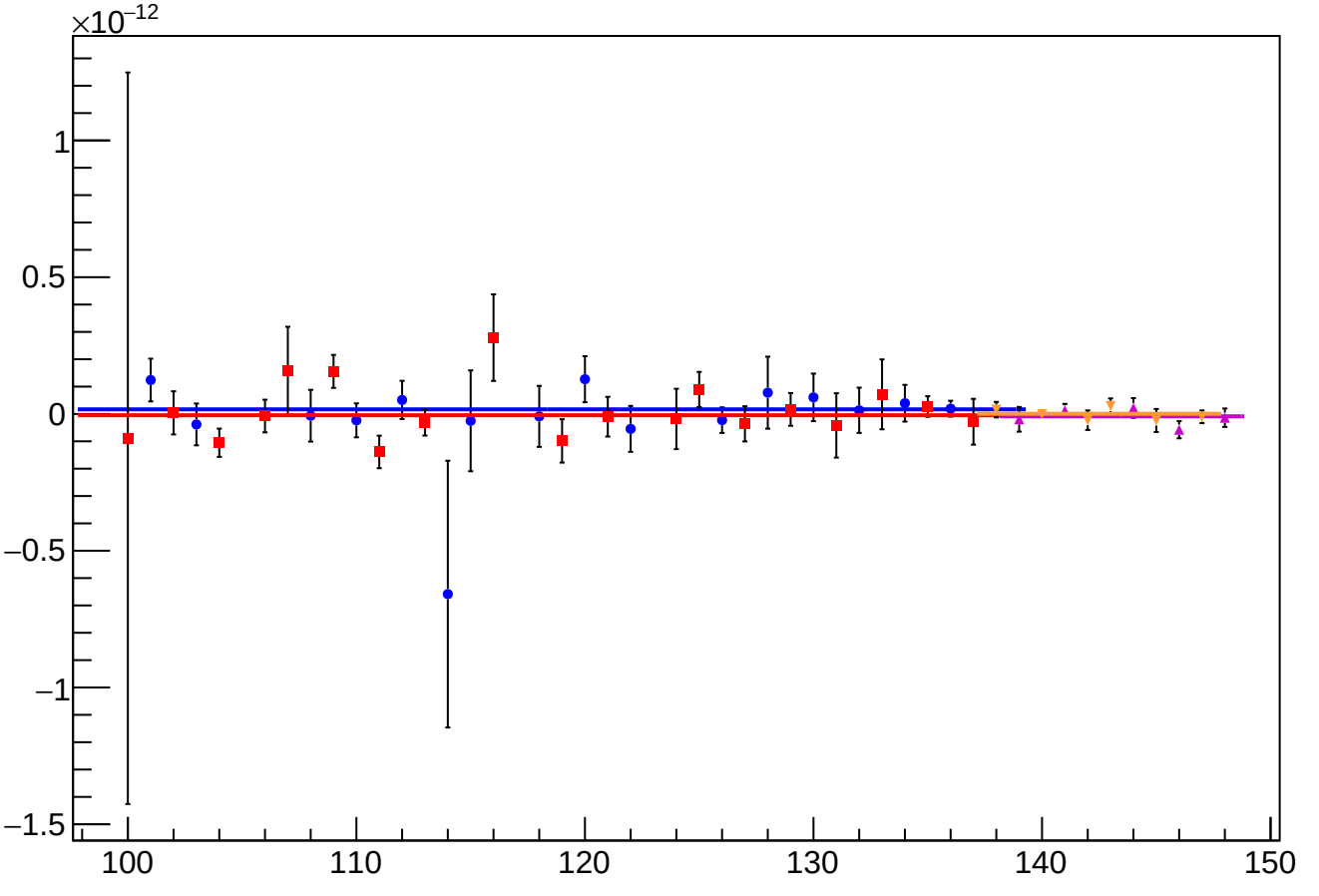
Left In: 2908.986+/-0.984 χ^2/NDF:9618.3/4

+ sign 2916.699+/-0.611 χ^2/NDF: 754973.1/21

All: 2903.231+/-0.429 χ^2/NDF: 959412.7/45

- sign 2890.182+/-0.602 χ^2/NDF: 203483.8/23

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

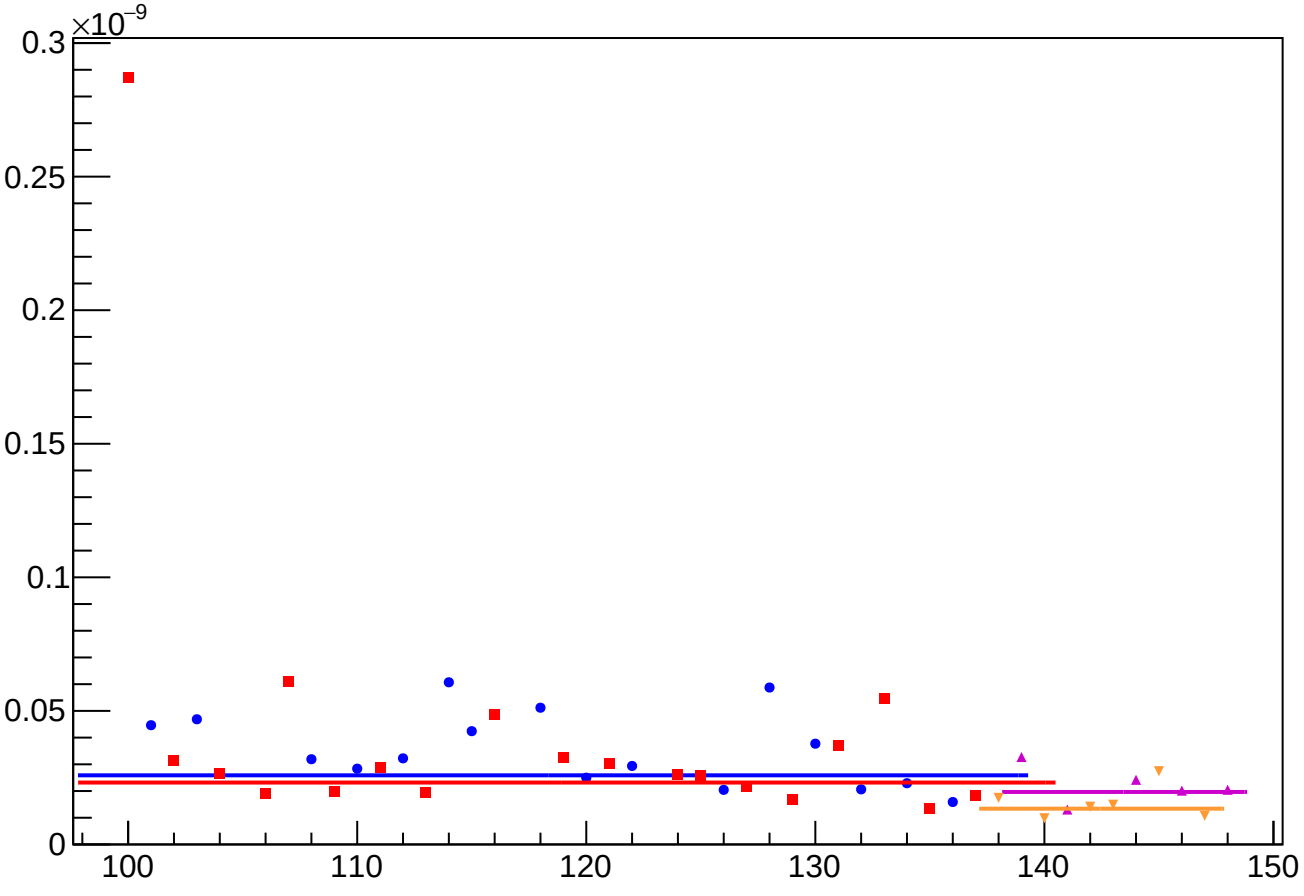
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/21

All: 0.000+/-0.000 χ^2/NDF: 42.4/45

- sign -0.000+/-0.000 χ^2/NDF: 29.7/23



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

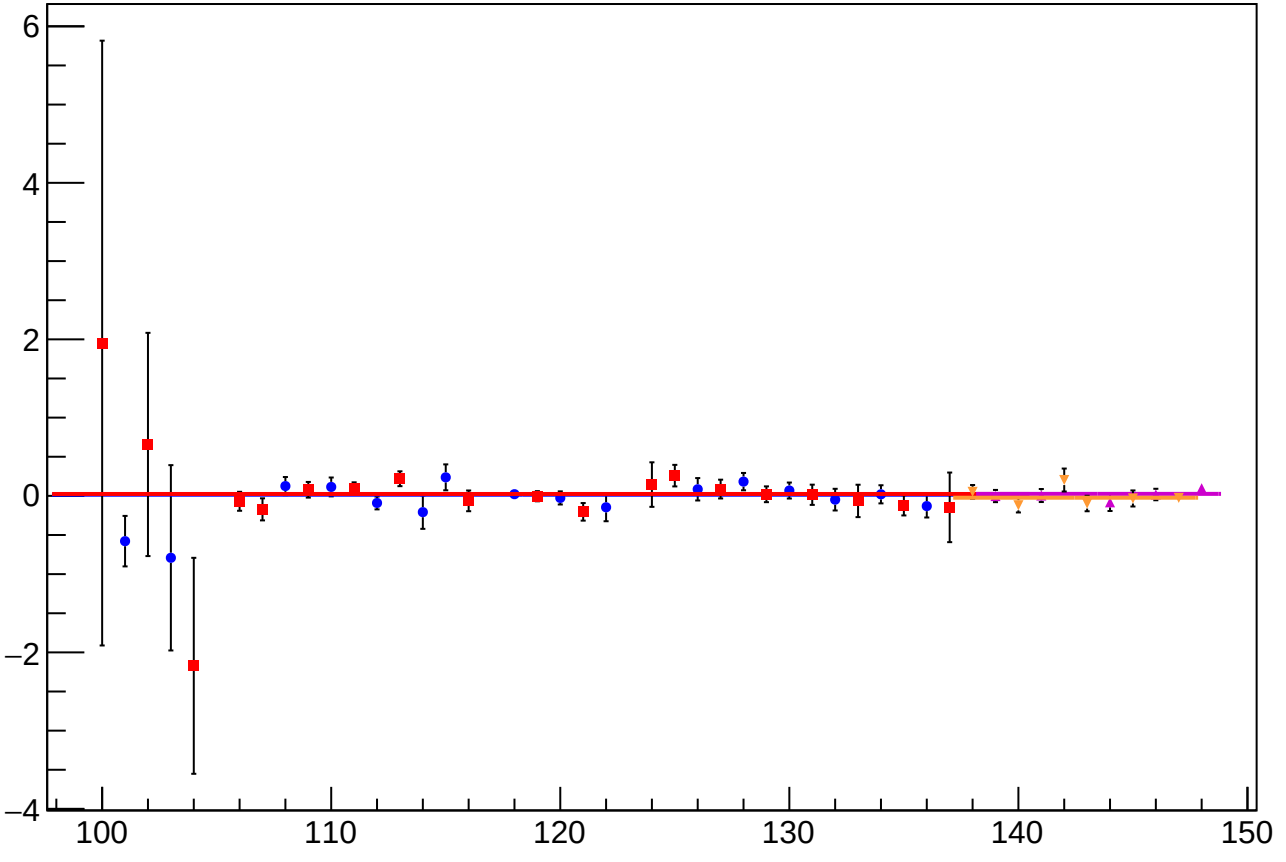
Left In: 0.000+/-0.000 χ^2/NDF:349047.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 2019076.9/21

All: 0.000+/-0.000 χ^2/NDF: 3300216.6/45

- sign 0.000+/-0.000 χ^2/NDF: 1092767.4/23

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

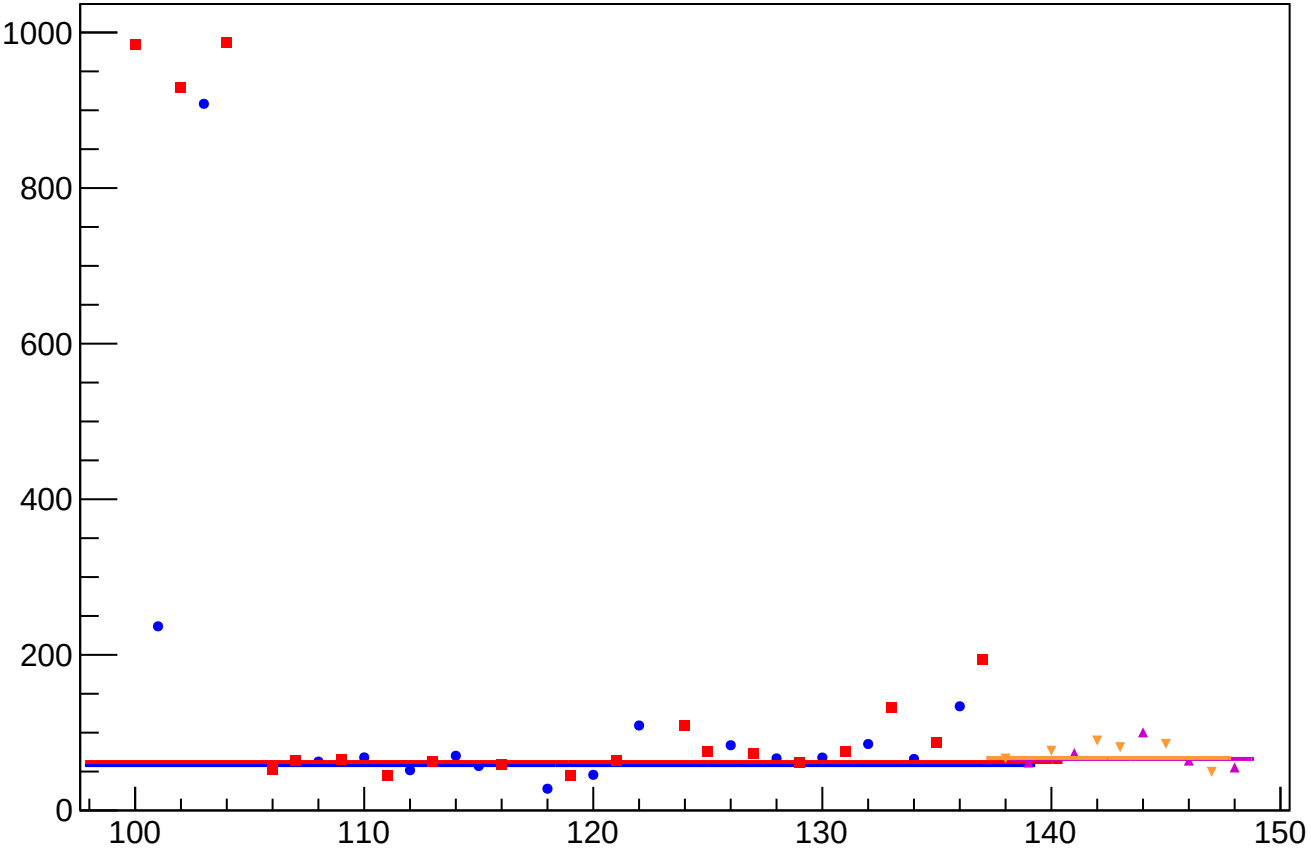
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.013+/-0.015 χ^2/NDF: 44.4/45

- sign 0.025+/-0.022 χ^2/NDF: 23.2/23

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

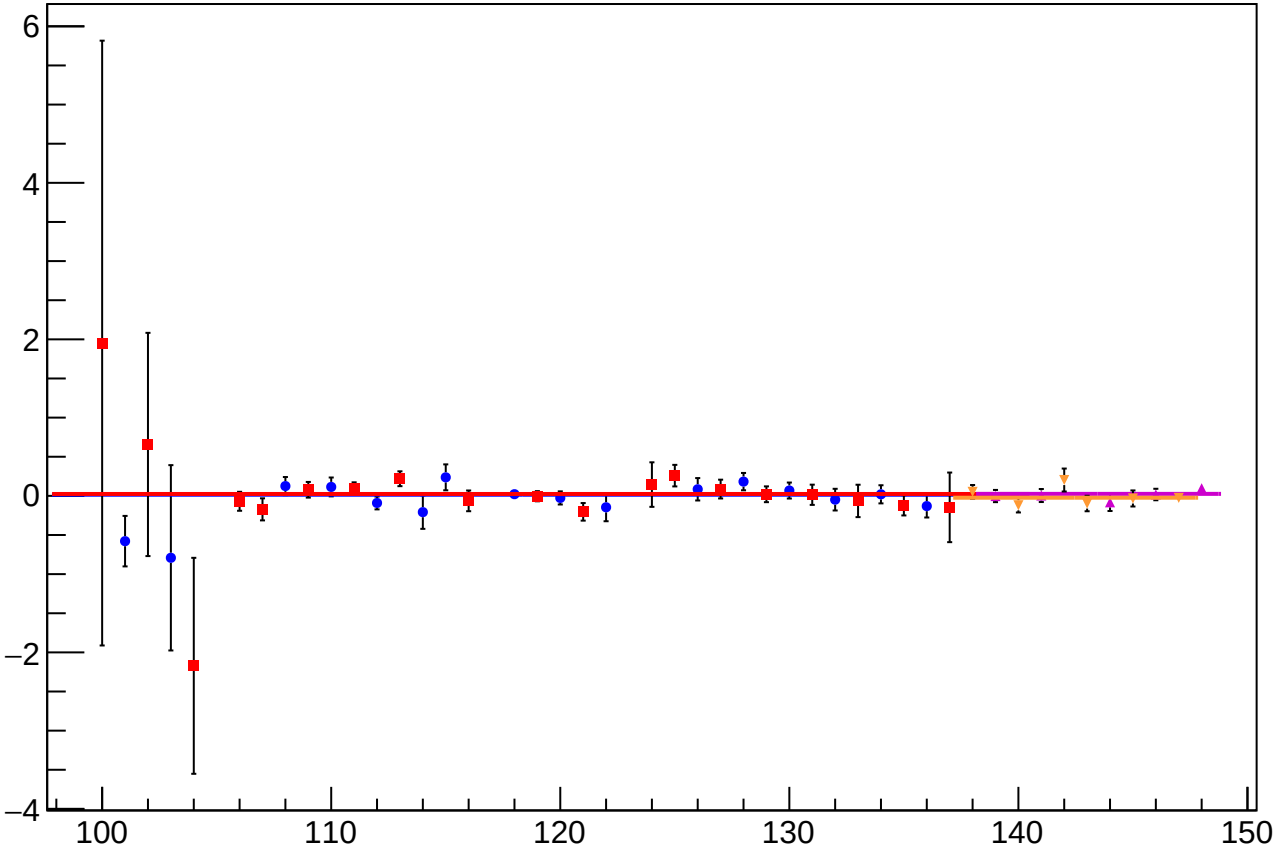
Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

+ sign 61.759+/-0.016 χ^2/NDF: 3692397.5/21

All: 62.788+/-0.011 χ^2/NDF: 6616967.8/45

- sign 63.806+/-0.015 χ^2/NDF: 2915840.7/23

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

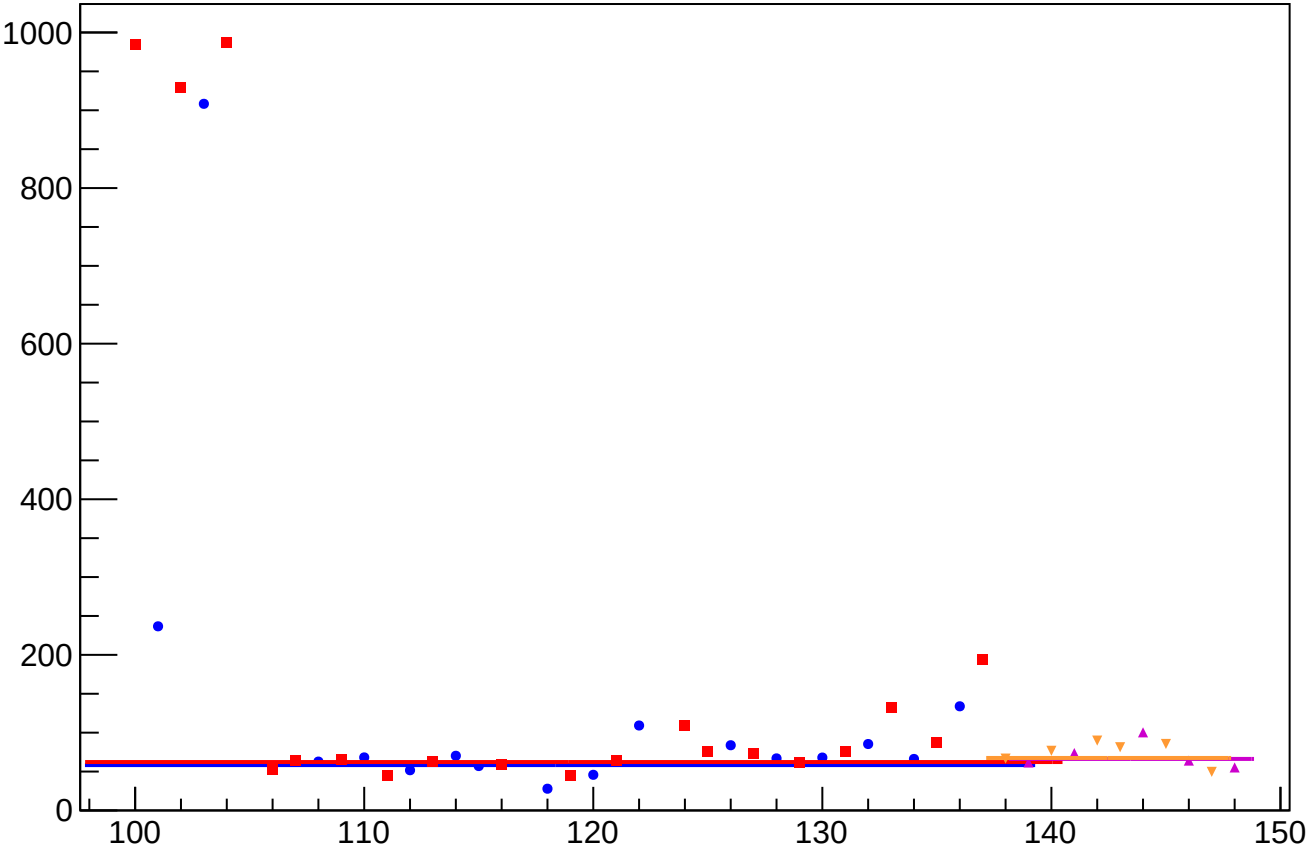
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.013+/-0.015 χ^2/NDF: 44.4/45

- sign 0.025+/-0.022 χ^2/NDF: 23.2/23

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

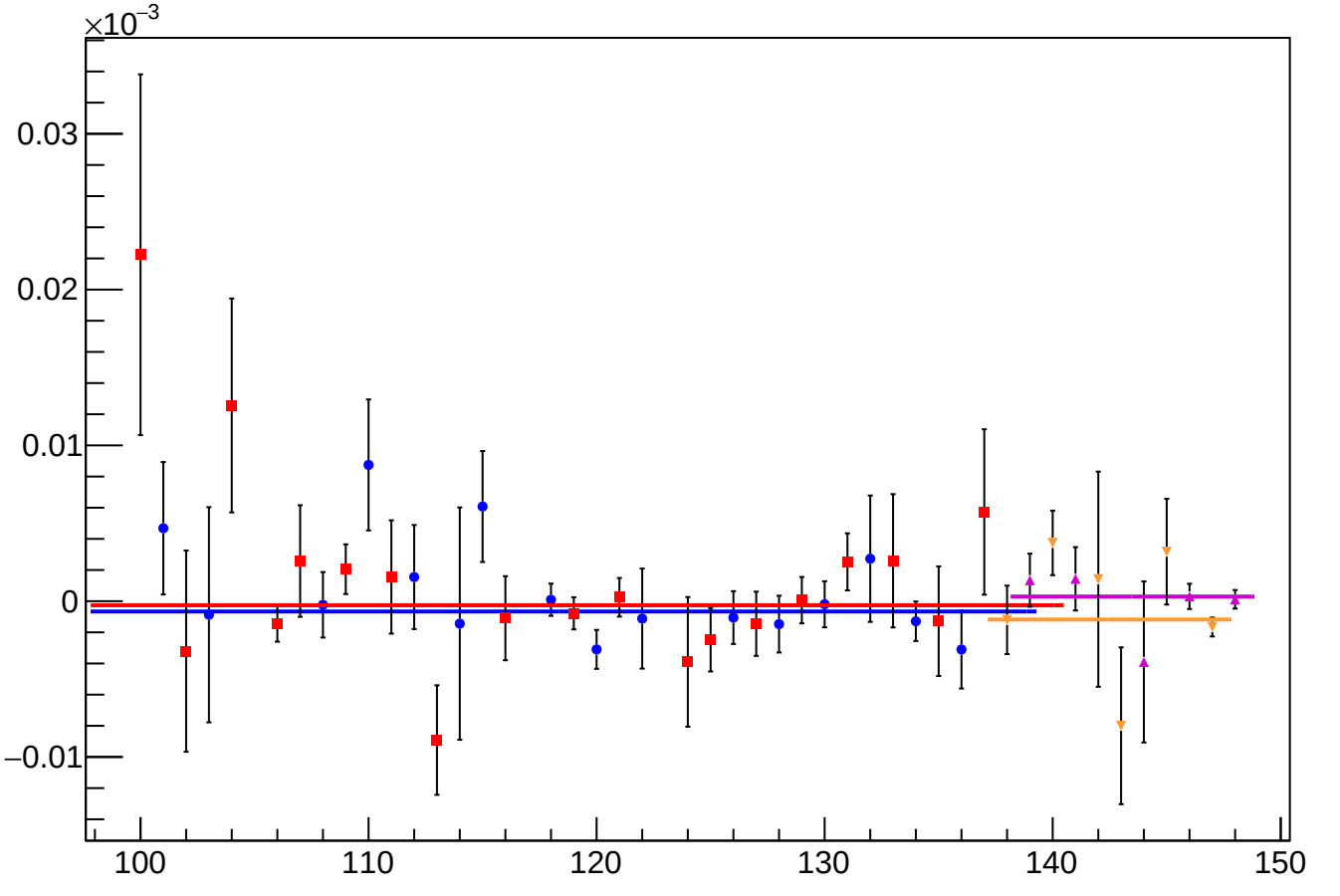
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

+ sign 61.759+/-0.016 χ^2/NDF: 3692397.5/21

All: 62.788+/-0.011 χ^2/NDF: 6616967.8/45

- sign 63.806+/-0.015 χ^2/NDF: 2915840.7/23



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

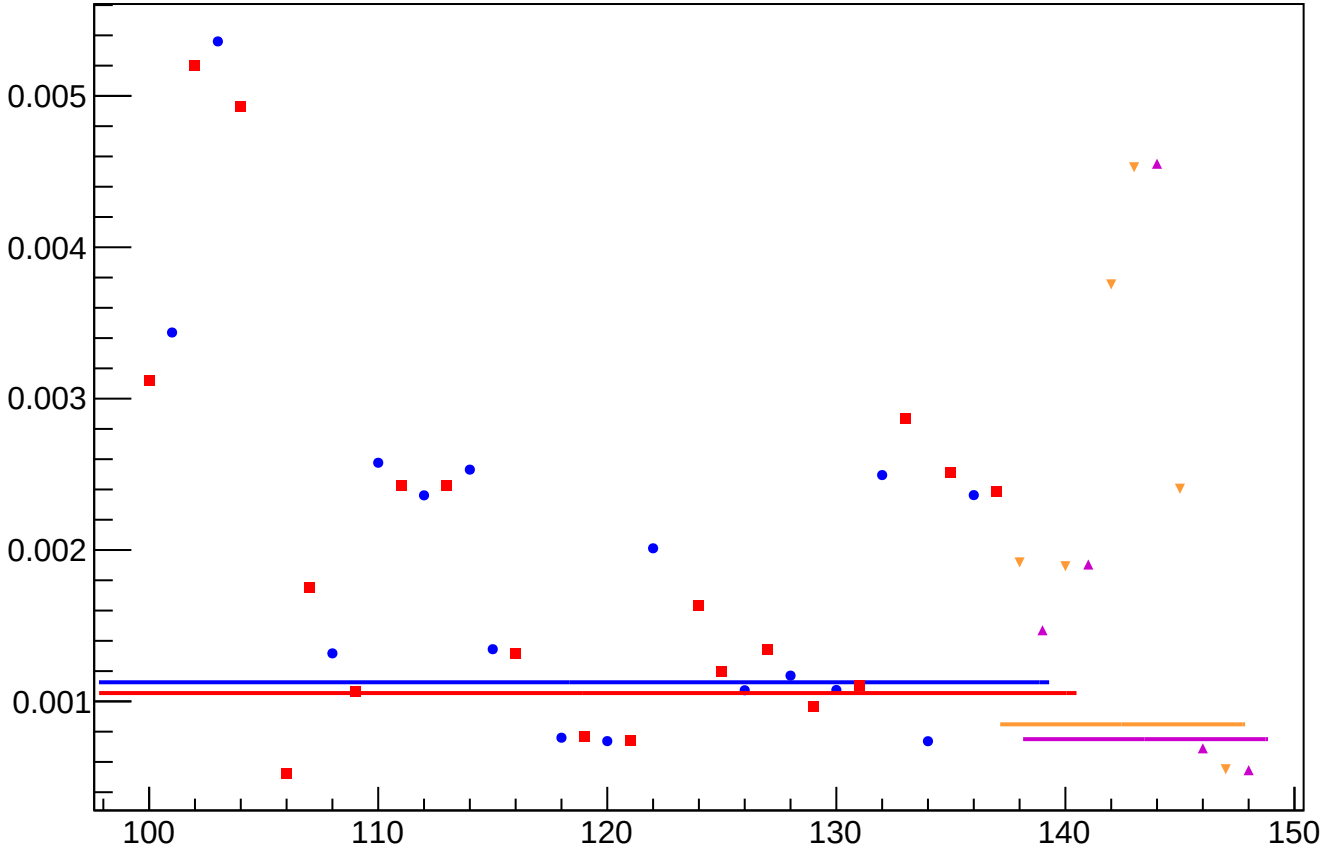
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/21

All: -0.000+/-0.000 χ^2/NDF: 57.9/45

- sign 0.000+/-0.000 χ^2/NDF: 26.7/23

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

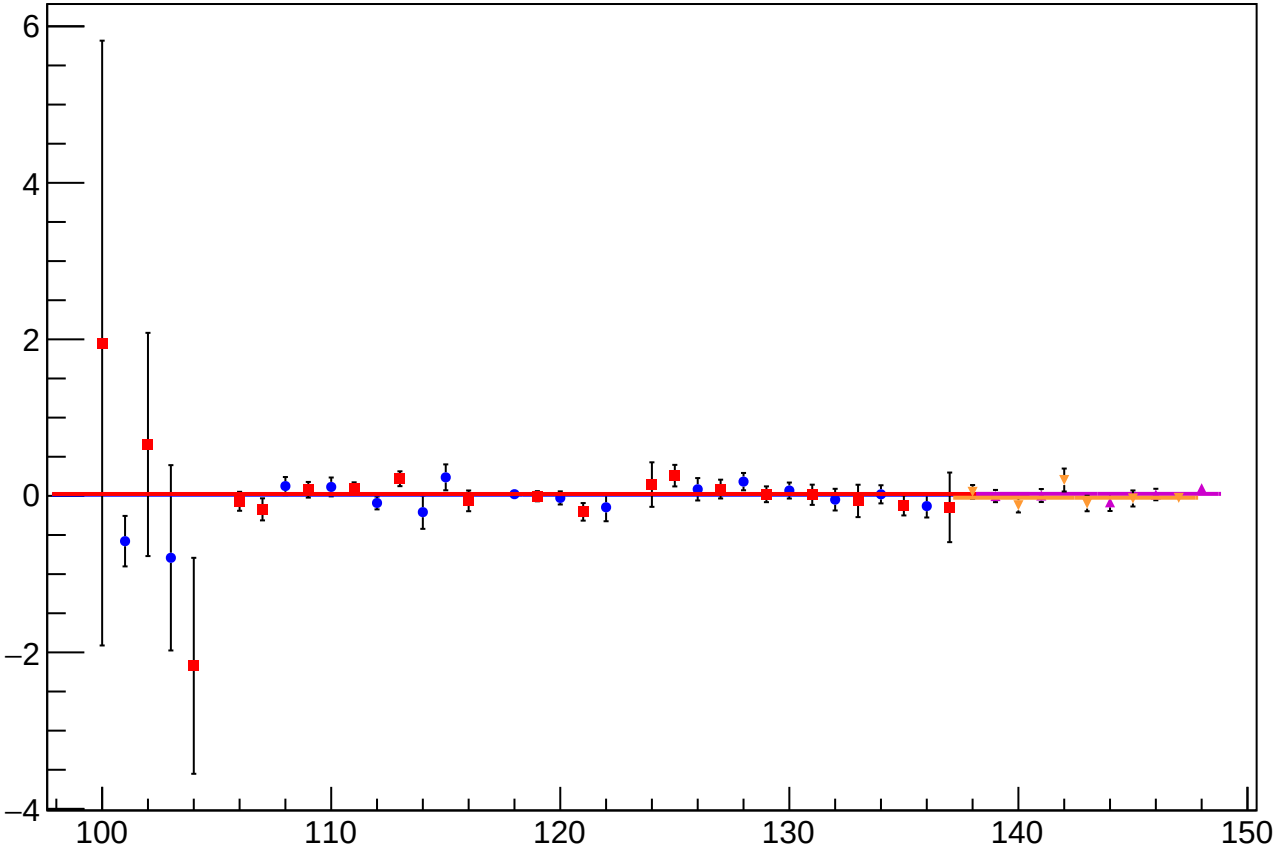
Left In: 0.001+/-0.000 χ^2/NDF:2330208.0/4

+ sign 0.001+/-0.000 χ^2/NDF: 7043656.6/21

All: 0.001+/-0.000 χ^2/NDF: 13760775.6/45

- sign 0.001+/-0.000 χ^2/NDF: 6622990.2/23

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

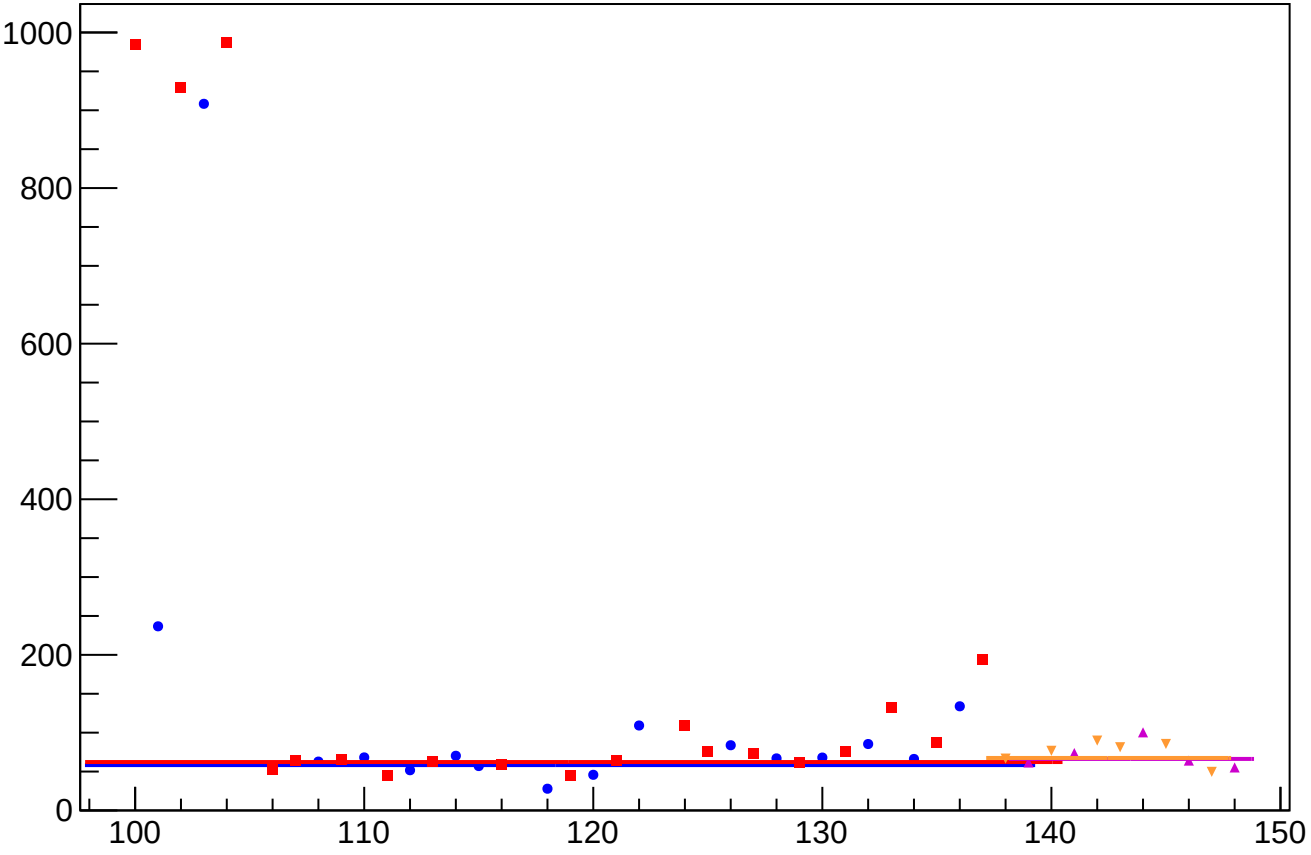
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.013+/-0.015 χ^2/NDF: 44.4/45

- sign 0.025+/-0.022 χ^2/NDF: 23.2/23

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

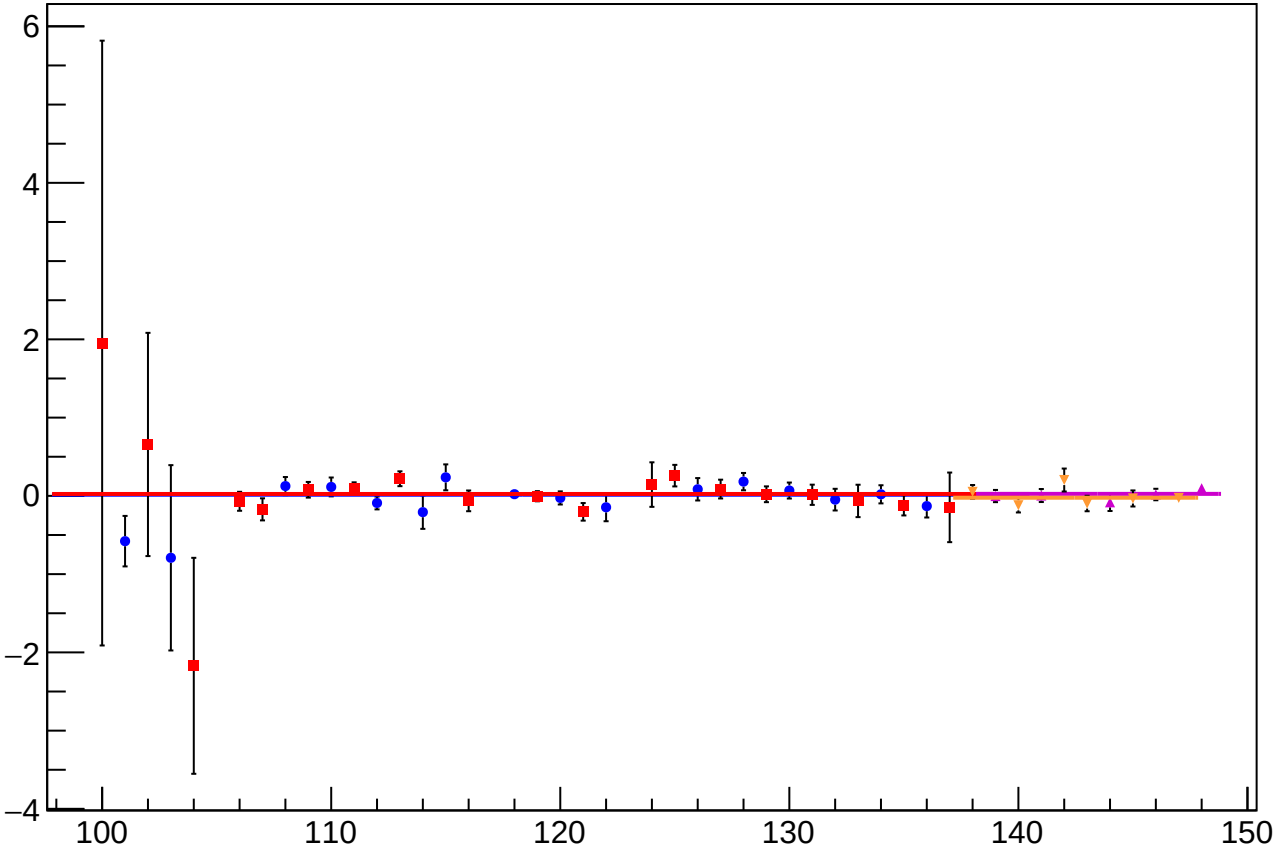
Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

+ sign 61.758+/-0.016 χ^2/NDF: 3692478.3/21

All: 62.788+/-0.011 χ^2/NDF: 6617056.2/45

- sign 63.806+/-0.015 χ^2/NDF: 2915842.3/23

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

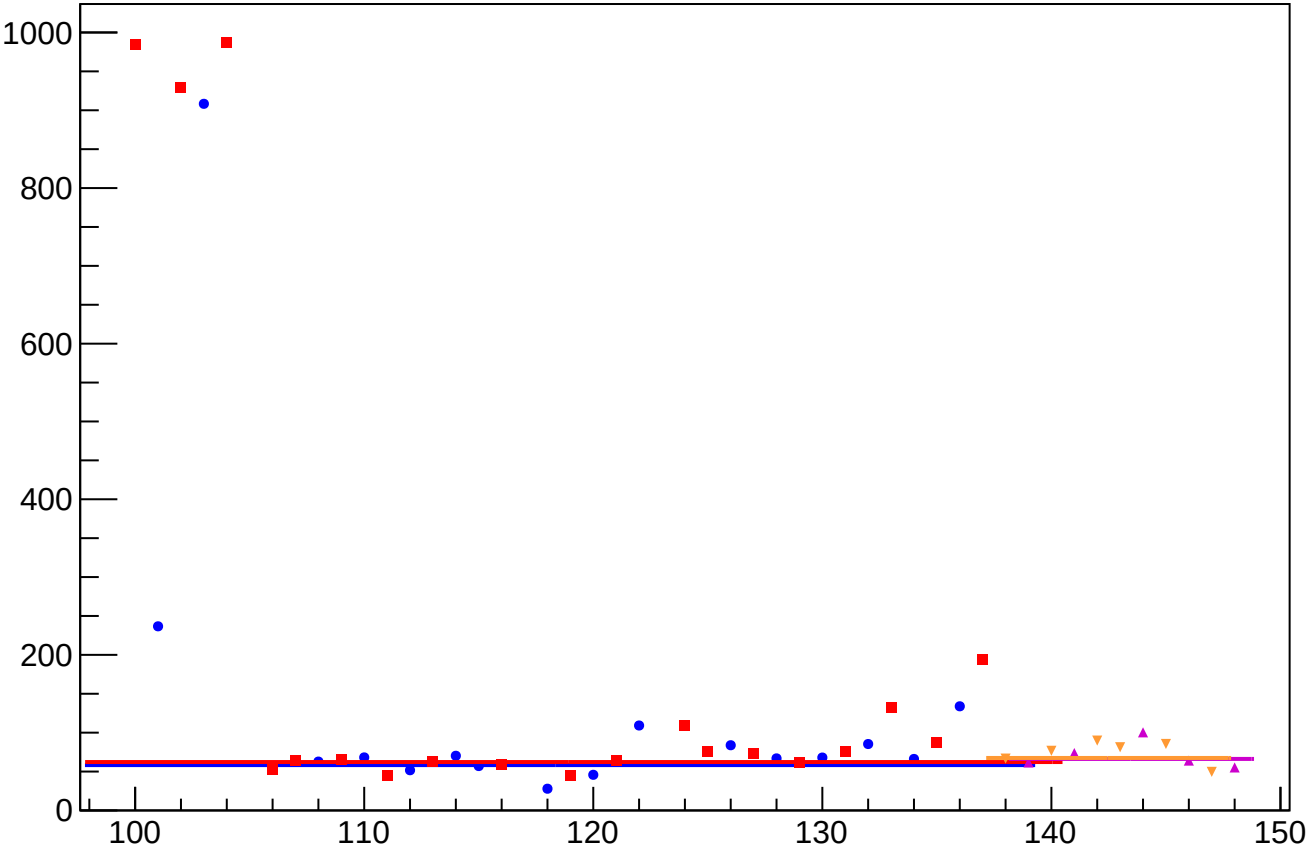
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.000+/-0.022 χ^2/NDF: 20.5/21

All: 0.013+/-0.015 χ^2/NDF: 44.4/45

- sign 0.025+/-0.022 χ^2/NDF: 23.2/23

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

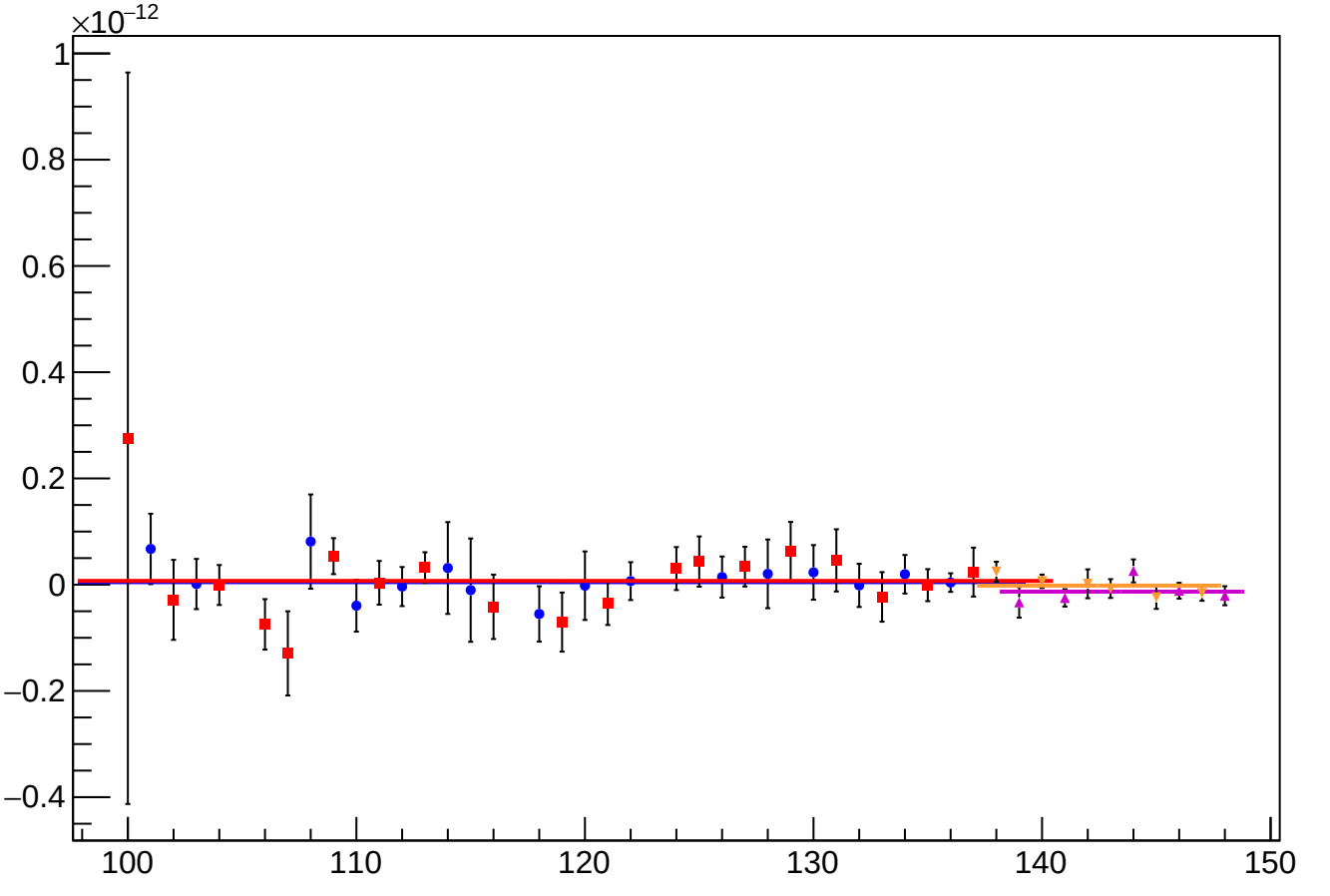
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

+ sign 61.758+/-0.016 χ^2/NDF: 3692478.3/21

All: 62.788+/-0.011 χ^2/NDF: 6617056.2/45

- sign 63.806+/-0.015 χ^2/NDF: 2915842.3/23



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

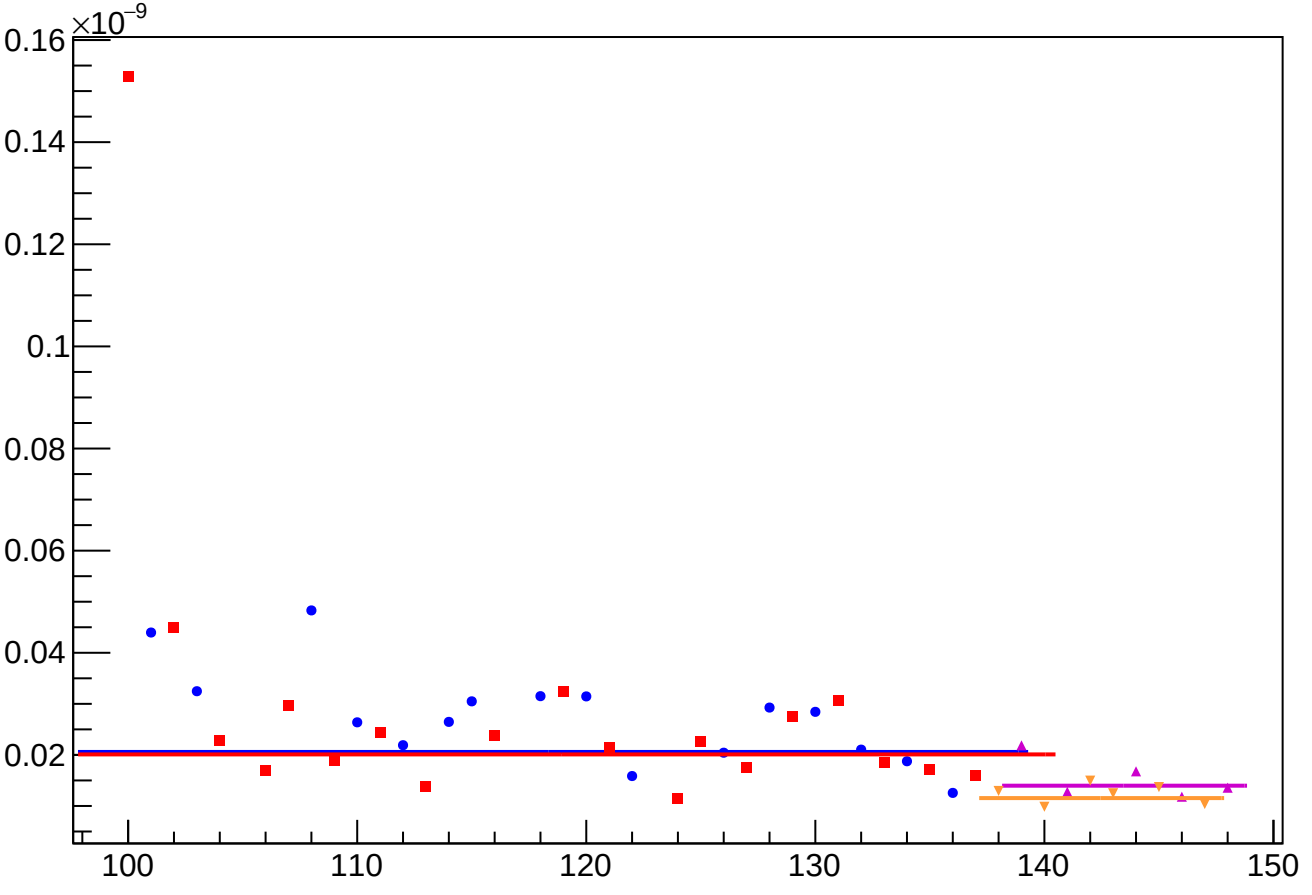
Left In: -0.000+/-0.000 χ^2/NDF:4.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 9.2/21

All: -0.000+/-0.000 χ^2/NDF: 32.5/45

- sign -0.000+/-0.000 χ^2/NDF: 23.0/23

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

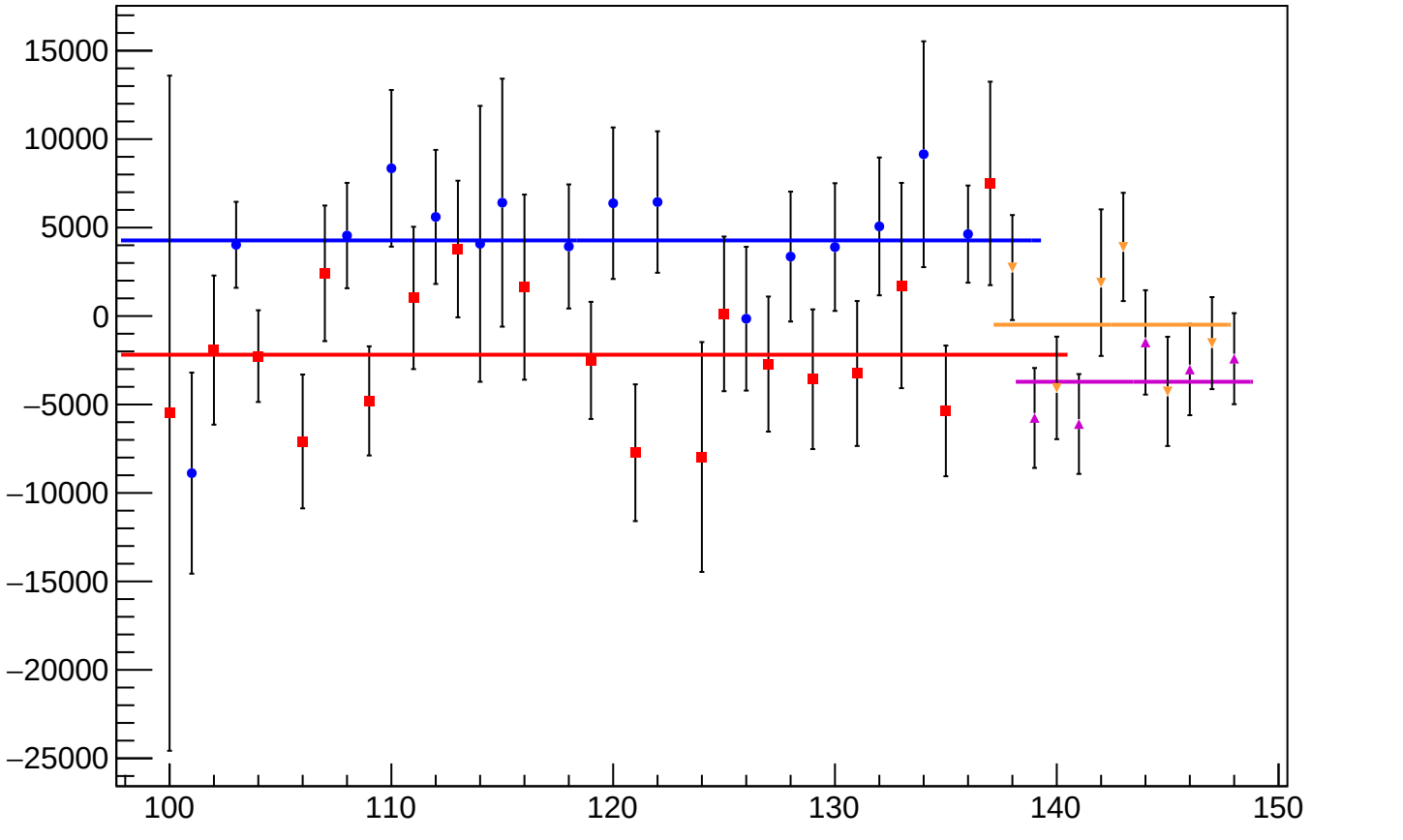
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:236705.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2499014.8/21

All: 0.000+/-0.000 χ^2/NDF: 4098142.0/45

- sign 0.000+/-0.000 χ^2/NDF: 1489419.1/23



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

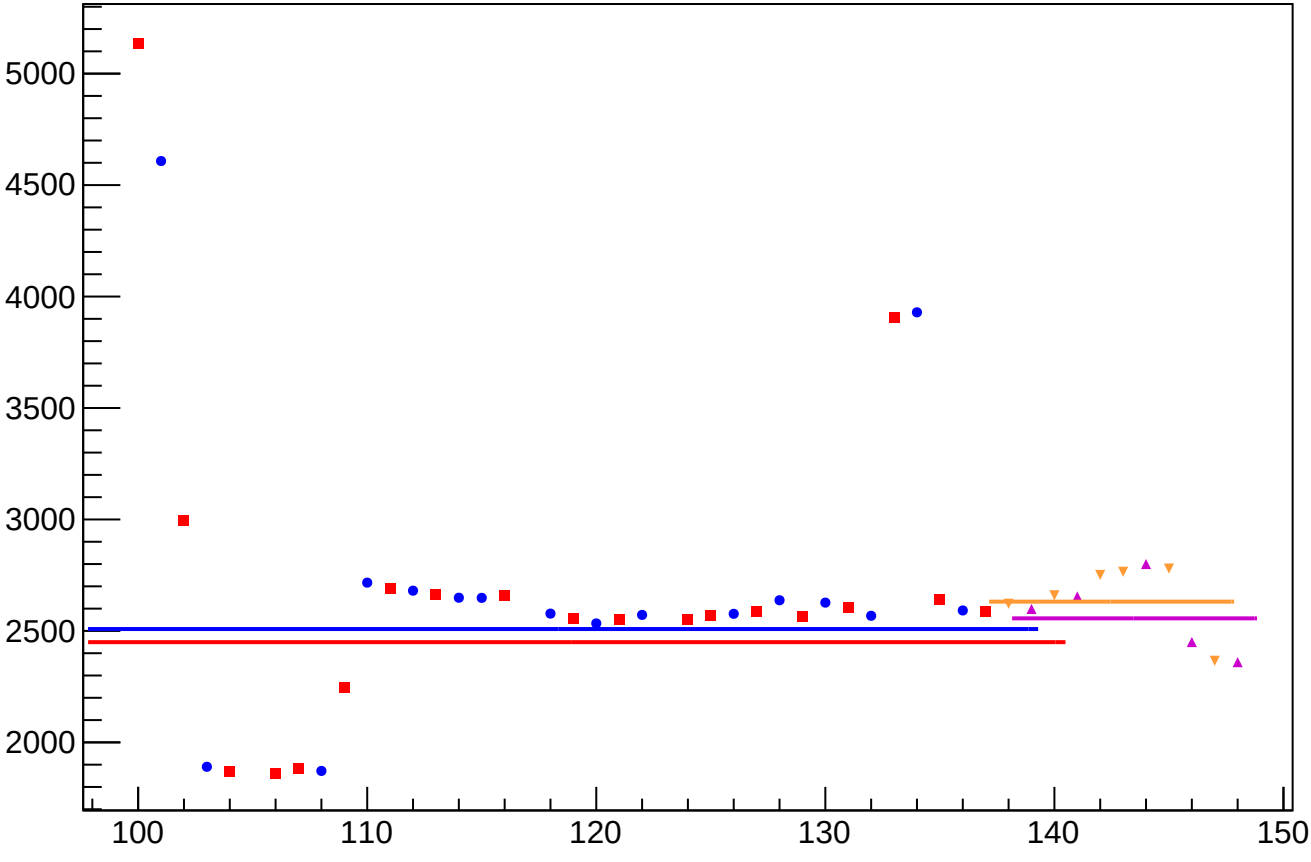
Left In: -3715.060+/-1224.440 χ^2/NDF:2.1/4

+ sign 2507.251+/-755.079 χ^2/NDF: 24.9/21

All: -181.153+/-527.264 χ^2/NDF: 67.6/45

- sign -2739.523+/-736.592 χ^2/NDF: 17.9/23

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

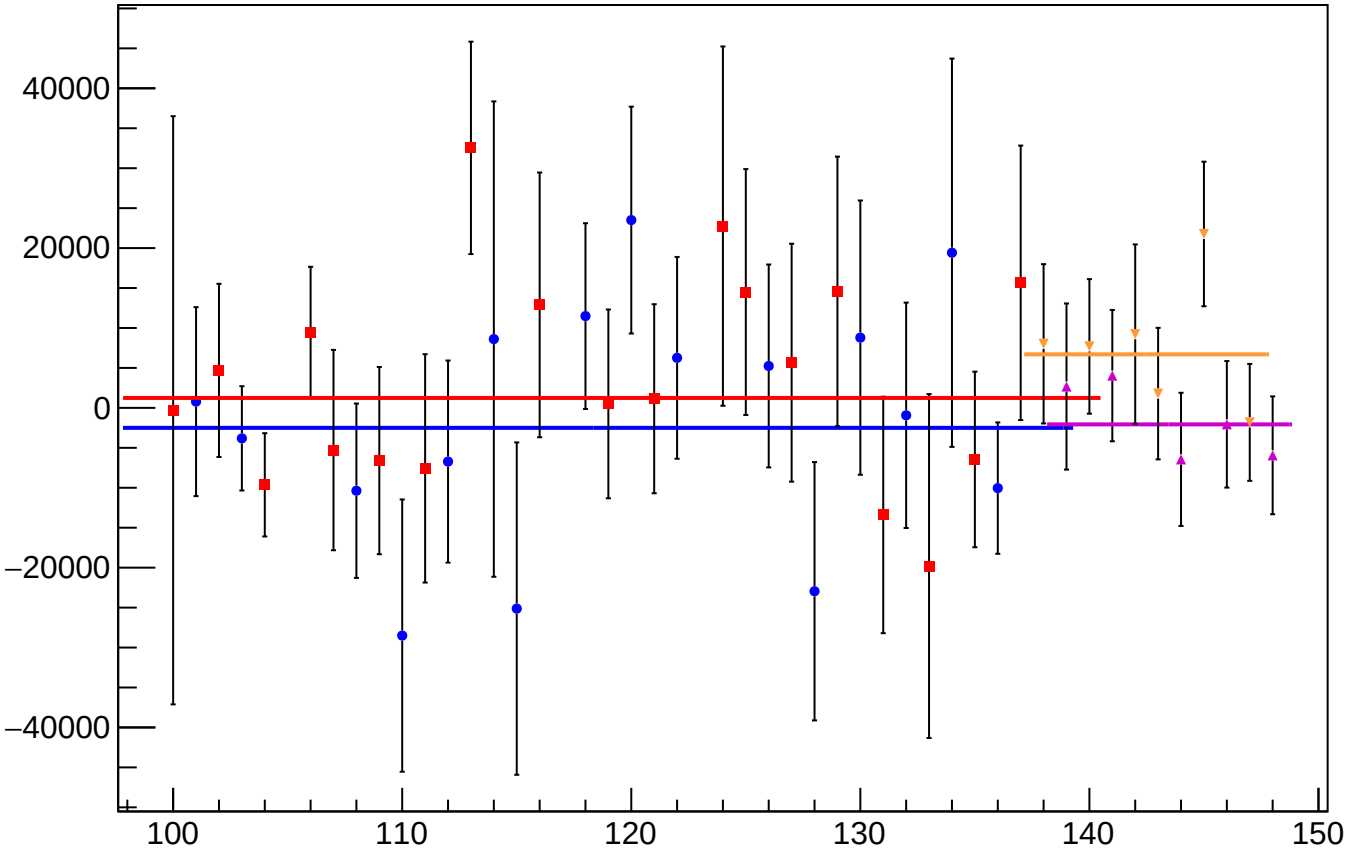
Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2554.009+/-0.534 χ^2/NDF: 655077.8/21

All: 2520.310+/-0.373 χ^2/NDF: 1141019.4/45

- sign 2488.240+/-0.521 χ^2/NDF: 478166.8/23

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

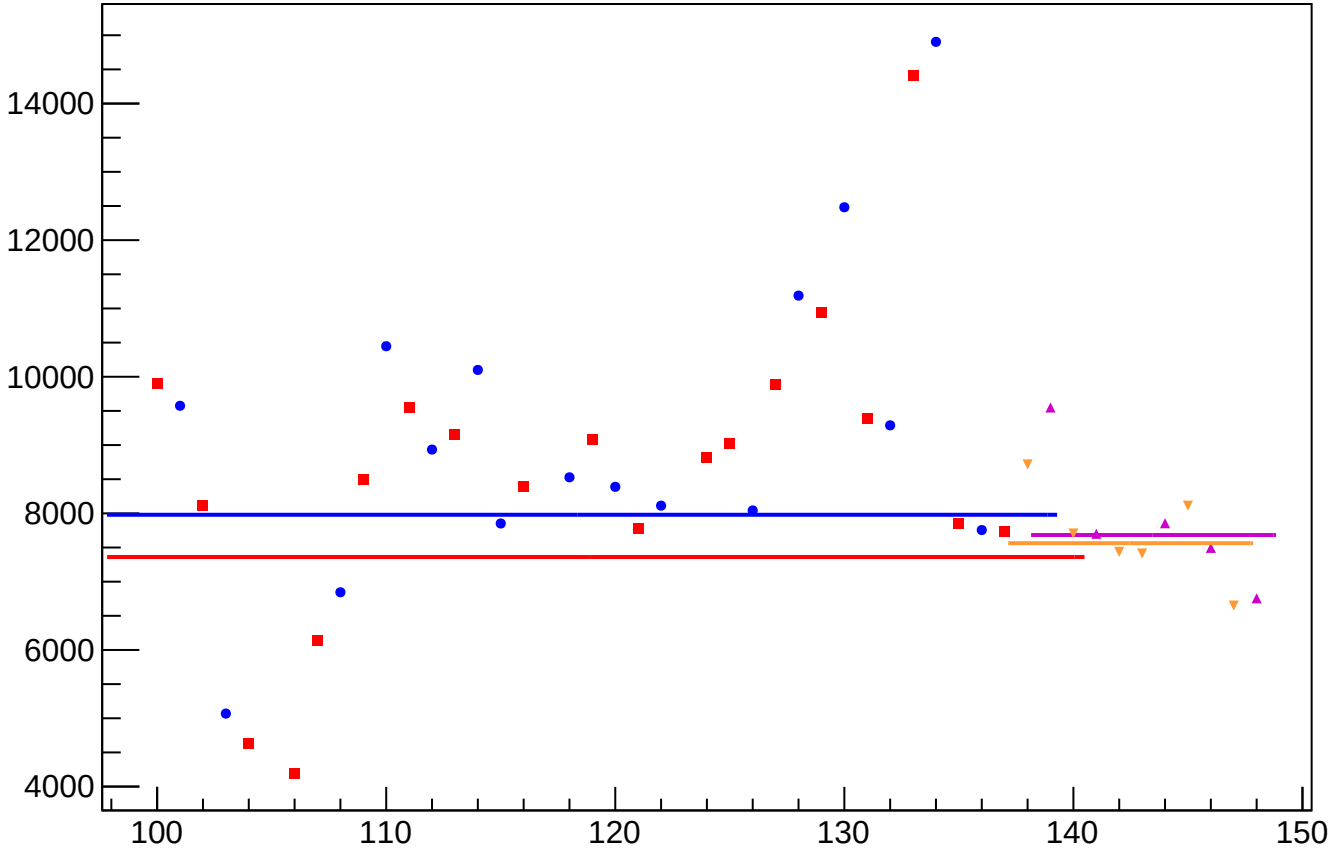
Left In: -2066.983+/-3706.782 χ^2/NDF:1.3/4

\+ sign 1397.127+/-2334.763 χ^2/NDF: 22.1/21

All: 682.586+/-1624.126 χ^2/NDF: 40.7/45

\- sign 12.631+/-2260.746 χ^2/NDF: 18.4/23

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

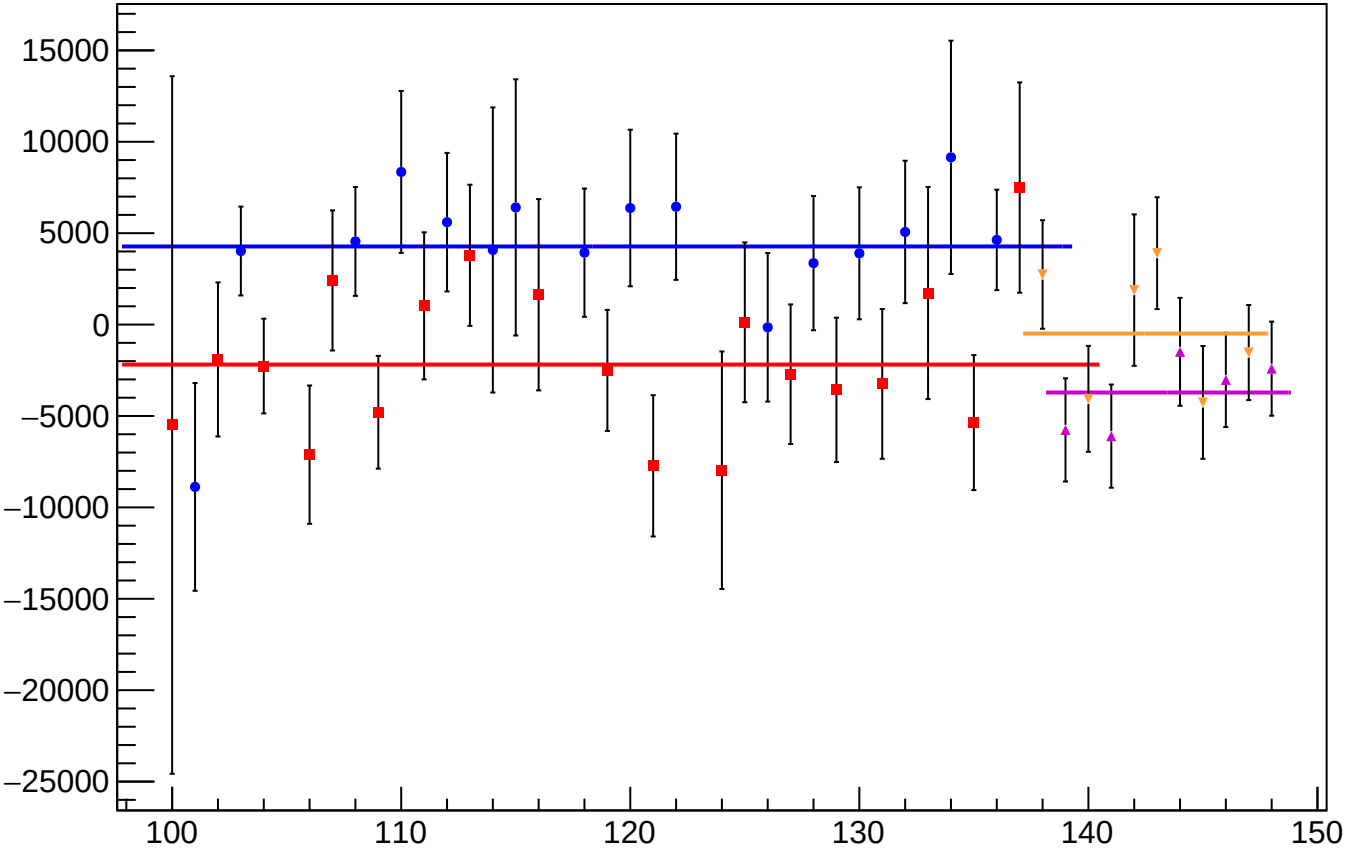
Left In: 7683.009+/-2.621 χ^2/NDF:98087.3/4

+ sign 7803.211+/-1.651 χ^2/NDF: 1005403.5/21

All: 7636.719+/-1.148 χ^2/NDF: 2418699.3/45

- sign 7480.616+/-1.599 χ^2/NDF: 1393589.9/23

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

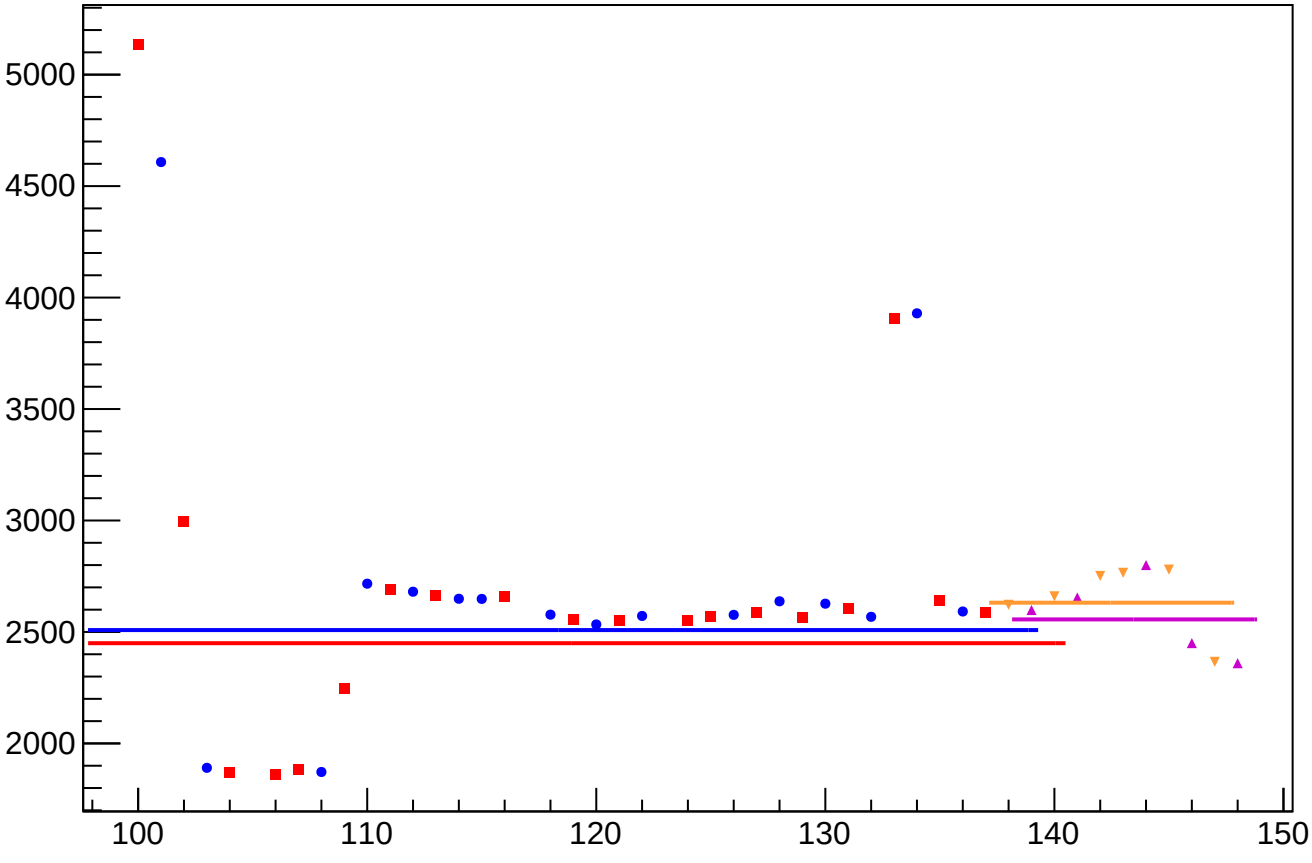
Left In: -3715.500+/-1224.440 χ^2/NDF:2.1/4

+ sign 2506.923+/-755.079 χ^2/NDF: 24.9/21

All: -181.588+/-527.265 χ^2/NDF: 67.6/45

- sign -2740.085+/-736.596 χ^2/NDF: 18.0/23

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

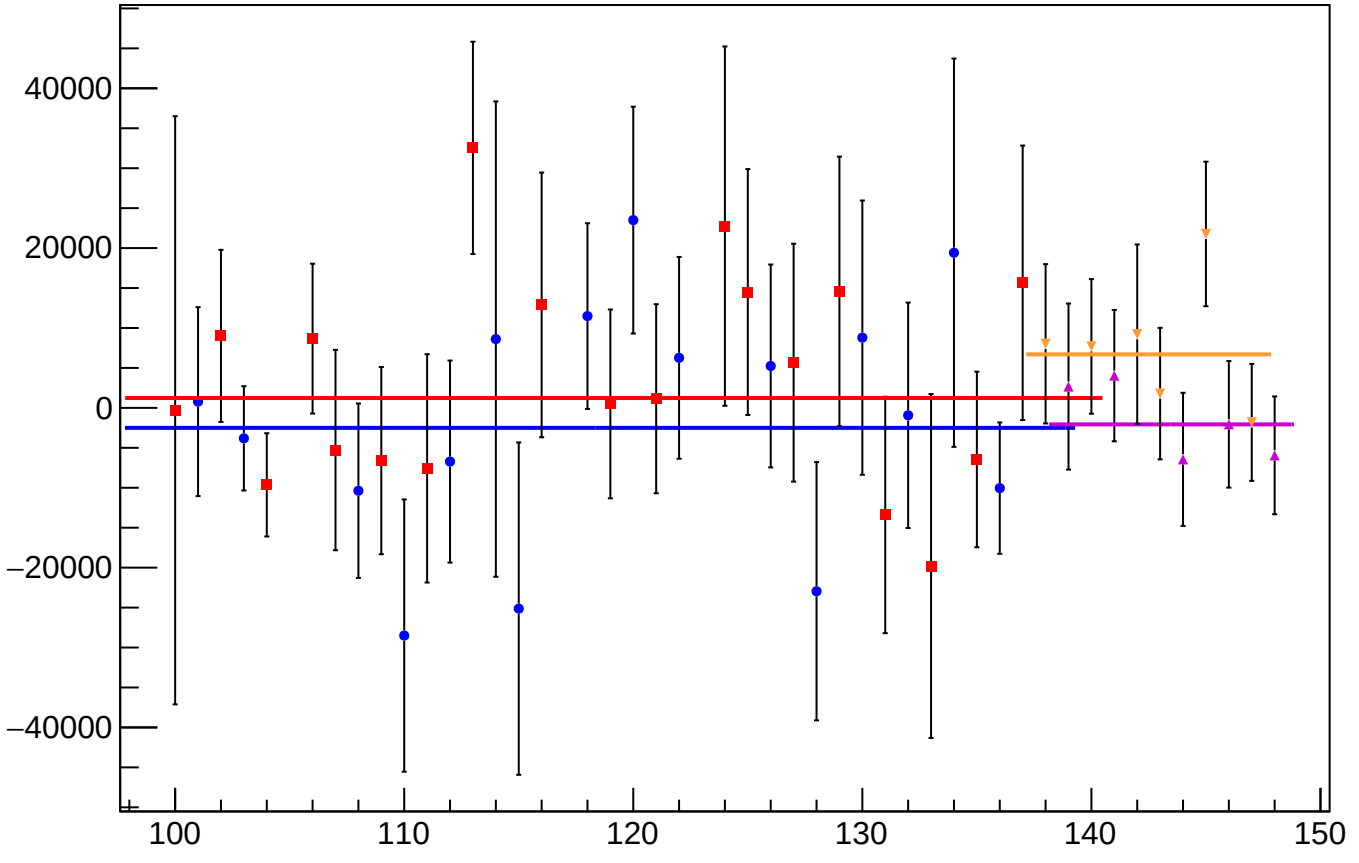
Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2554.010+/-0.534 χ^2/NDF: 655075.4/21

All: 2520.318+/-0.373 χ^2/NDF: 1140954.5/45

- sign 2488.256+/-0.521 χ^2/NDF: 478107.9/23

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

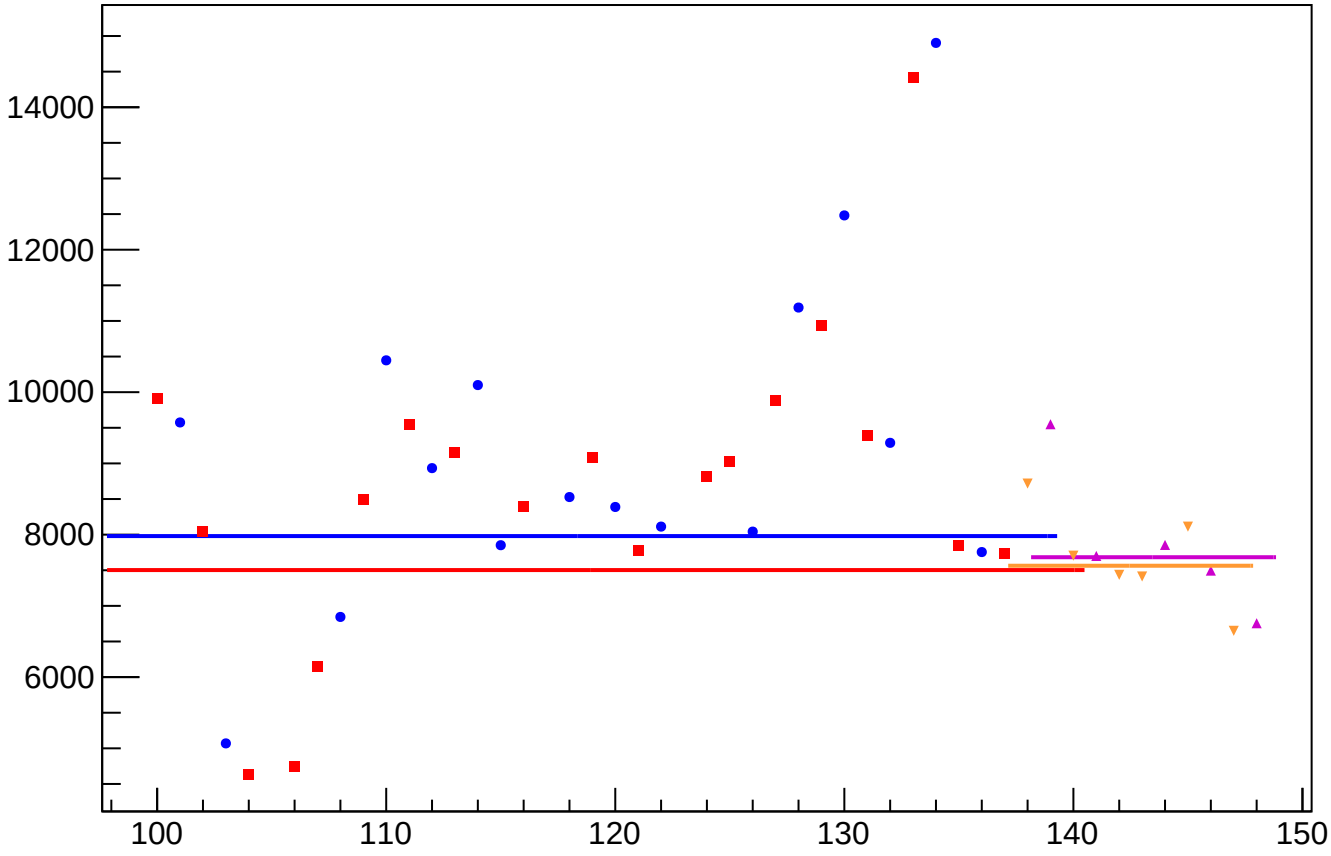
Left In: -2067.147+/-3706.781 χ^2/NDF:1.3/4

+ sign 1397.338+/-2334.798 χ^2/NDF: 22.1/21

All: 676.093+/-1631.545 χ^2/NDF: 40.7/45

- sign -12.210+/-2280.854 χ^2/NDF: 18.4/23

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

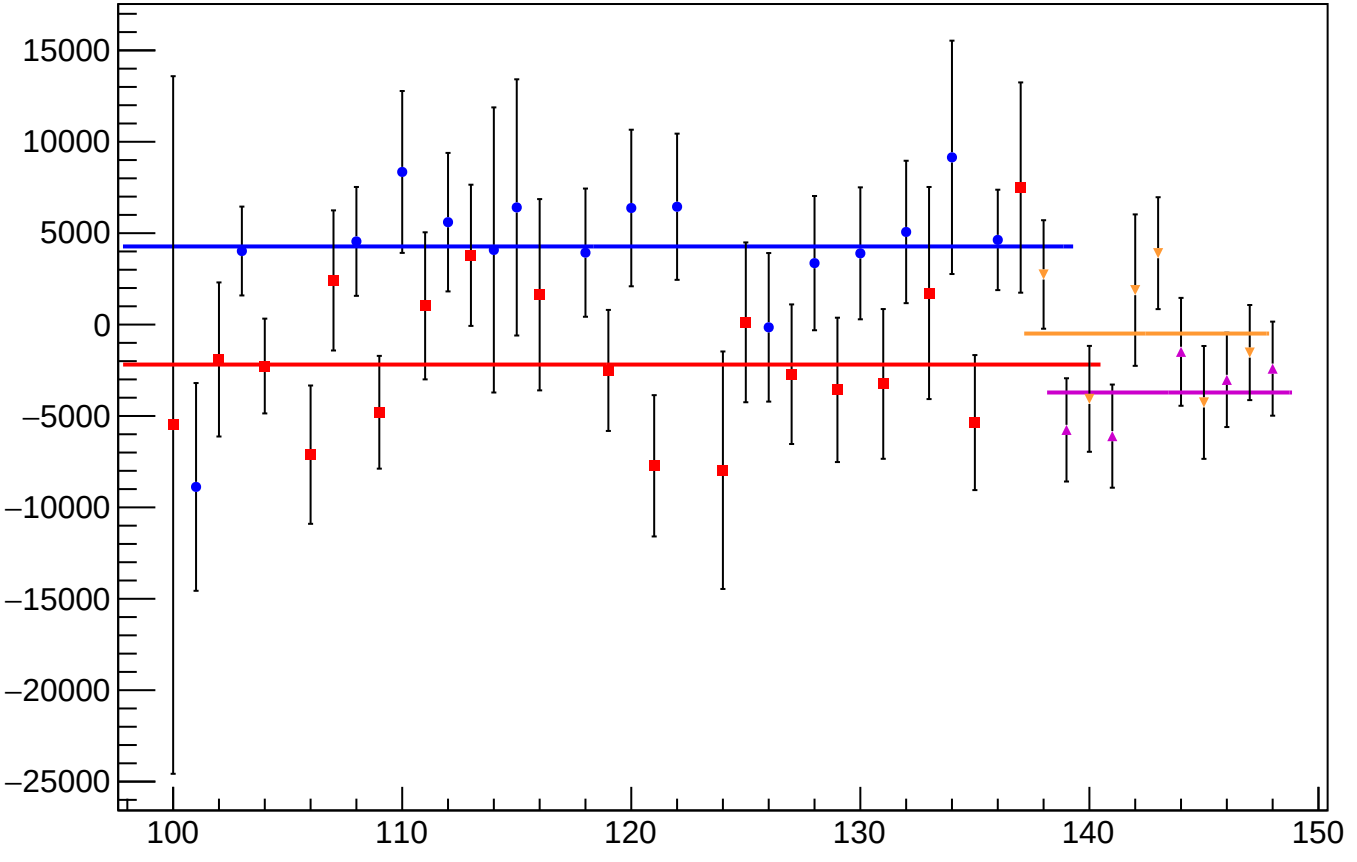
Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

+ sign 7803.382+/-1.651 χ^2/NDF: 1005130.3/21

All: 7684.454+/-1.154 χ^2/NDF: 2251823.5/45

- sign 7570.958+/-1.613 χ^2/NDF: 1236551.9/23

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

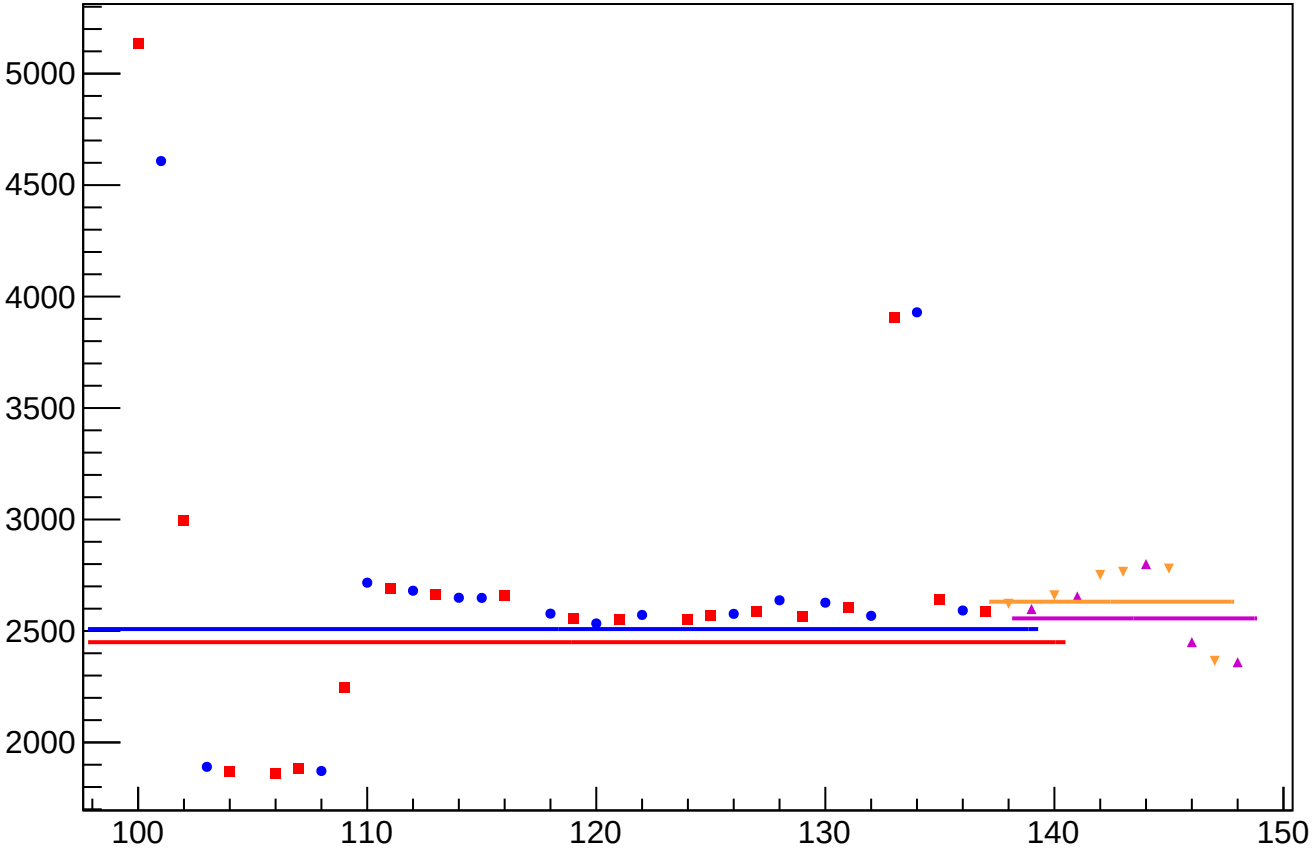
Left In: -3715.500+/-1224.440 χ^2/NDF:2.1/4

+ sign 2506.923+/-755.079 χ^2/NDF: 24.9/21

All: -181.588+/-527.265 χ^2/NDF: 67.6/45

- sign -2740.085+/-736.596 χ^2/NDF: 18.0/23

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

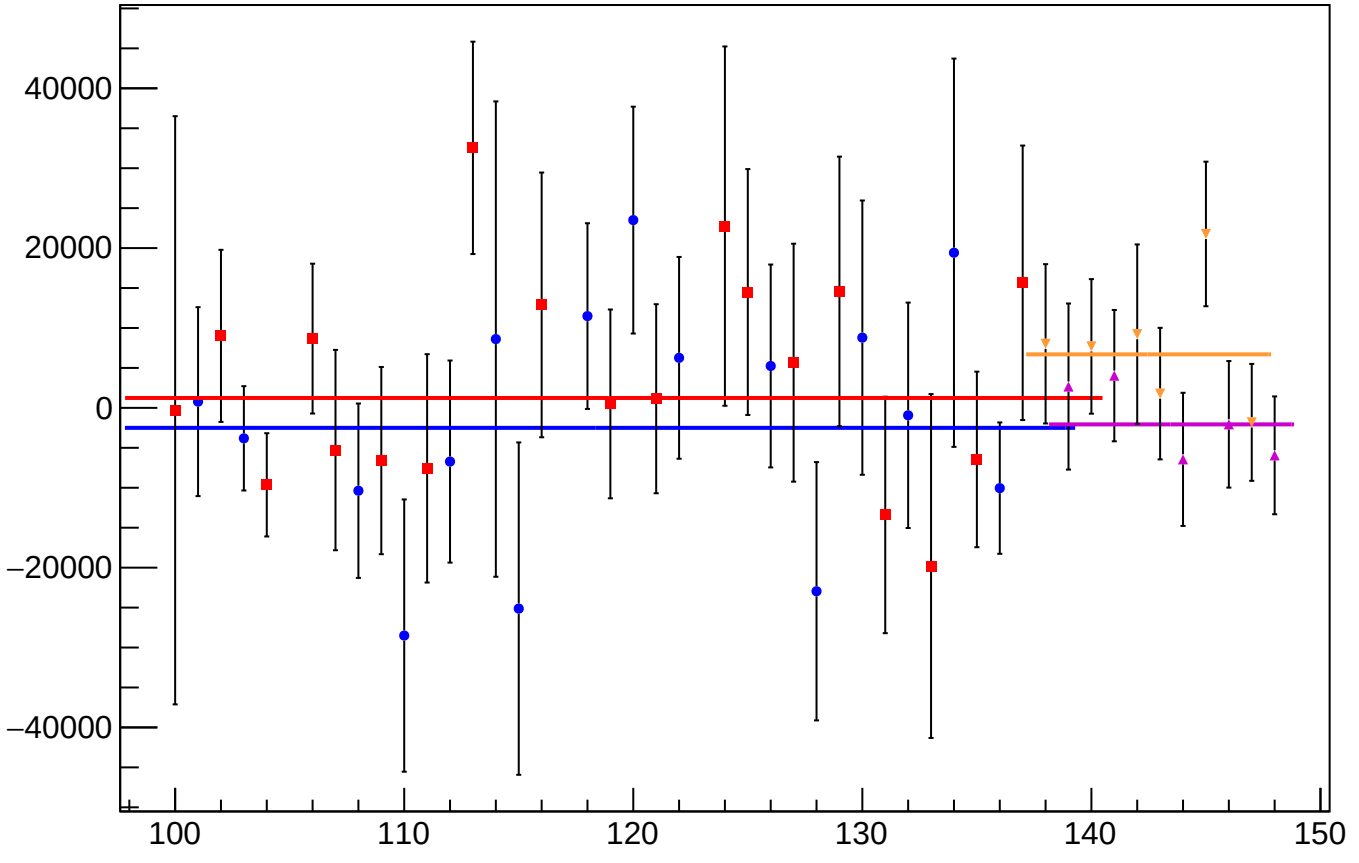
Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2554.010+/-0.534 χ^2/NDF: 655075.4/21

All: 2520.318+/-0.373 χ^2/NDF: 1140954.5/45

- sign 2488.256+/-0.521 χ^2/NDF: 478107.9/23

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

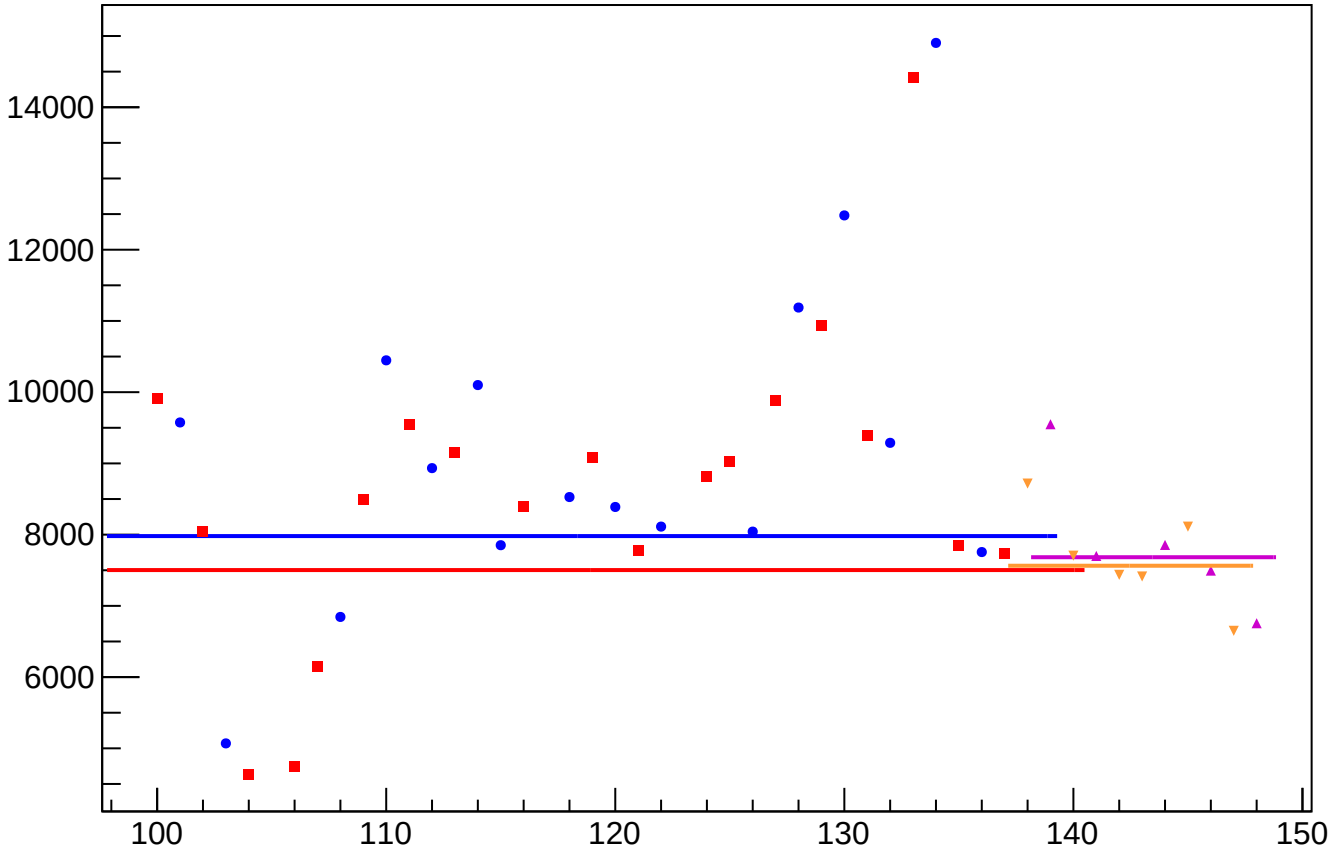
Left In: -2067.147+/-3706.781 χ^2/NDF:1.3/4

+ sign 1397.338+/-2334.798 χ^2/NDF: 22.1/21

All: 676.093+/-1631.545 χ^2/NDF: 40.7/45

- sign -12.210+/-2280.854 χ^2/NDF: 18.4/23

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

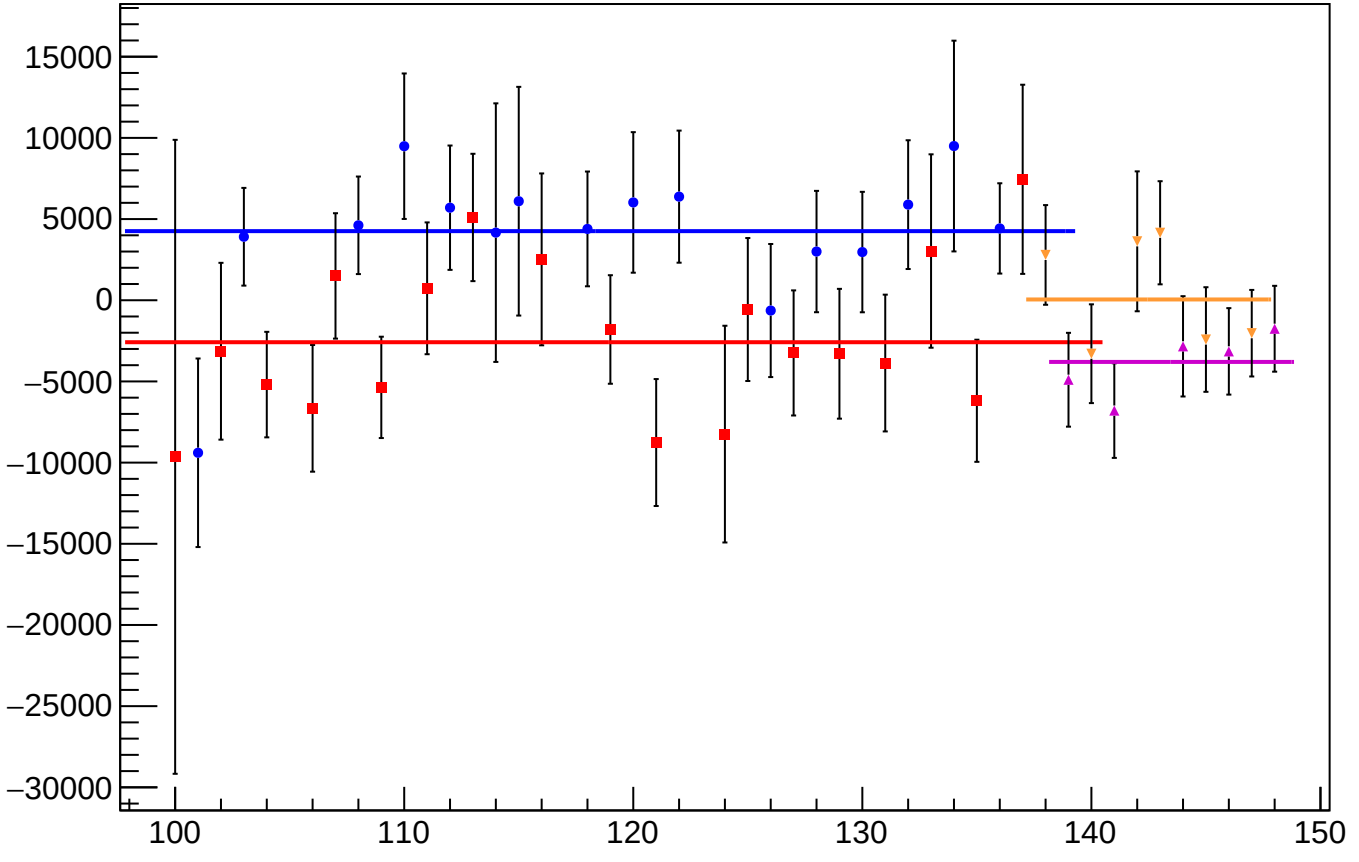
Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

+ sign 7803.382+/-1.651 χ^2/NDF: 1005130.3/21

All: 7684.454+/-1.154 χ^2/NDF: 2251823.5/45

- sign 7570.958+/-1.613 χ^2/NDF: 1236551.9/23

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

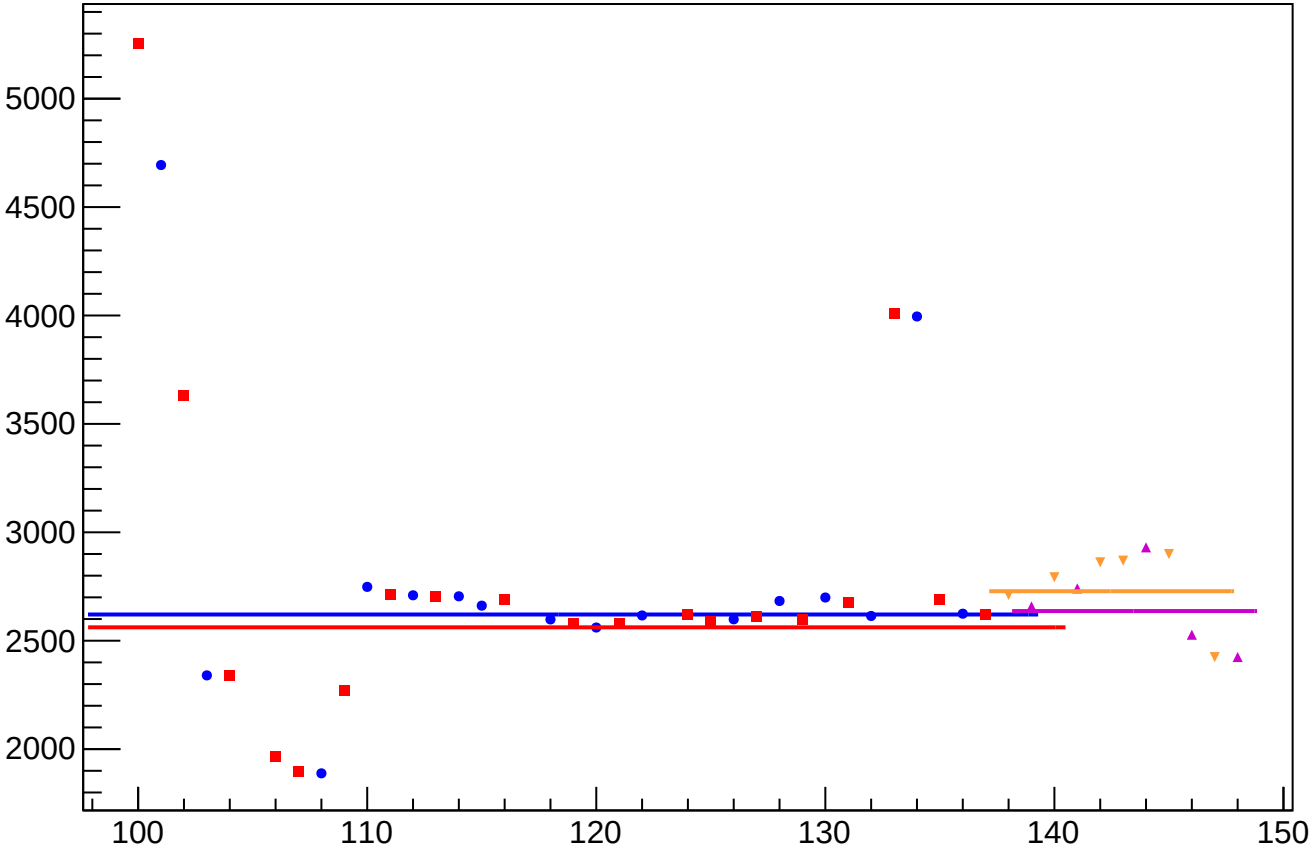
Left In: -3798.489+/-1263.485 χ^2/NDF:2.0/4

+ sign 2690.279+/-784.812 χ^2/NDF: 22.3/21

All: -235.177+/-548.697 χ^2/NDF: 69.7/45

- sign -3032.490+/-767.431 χ^2/NDF: 20.2/23

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

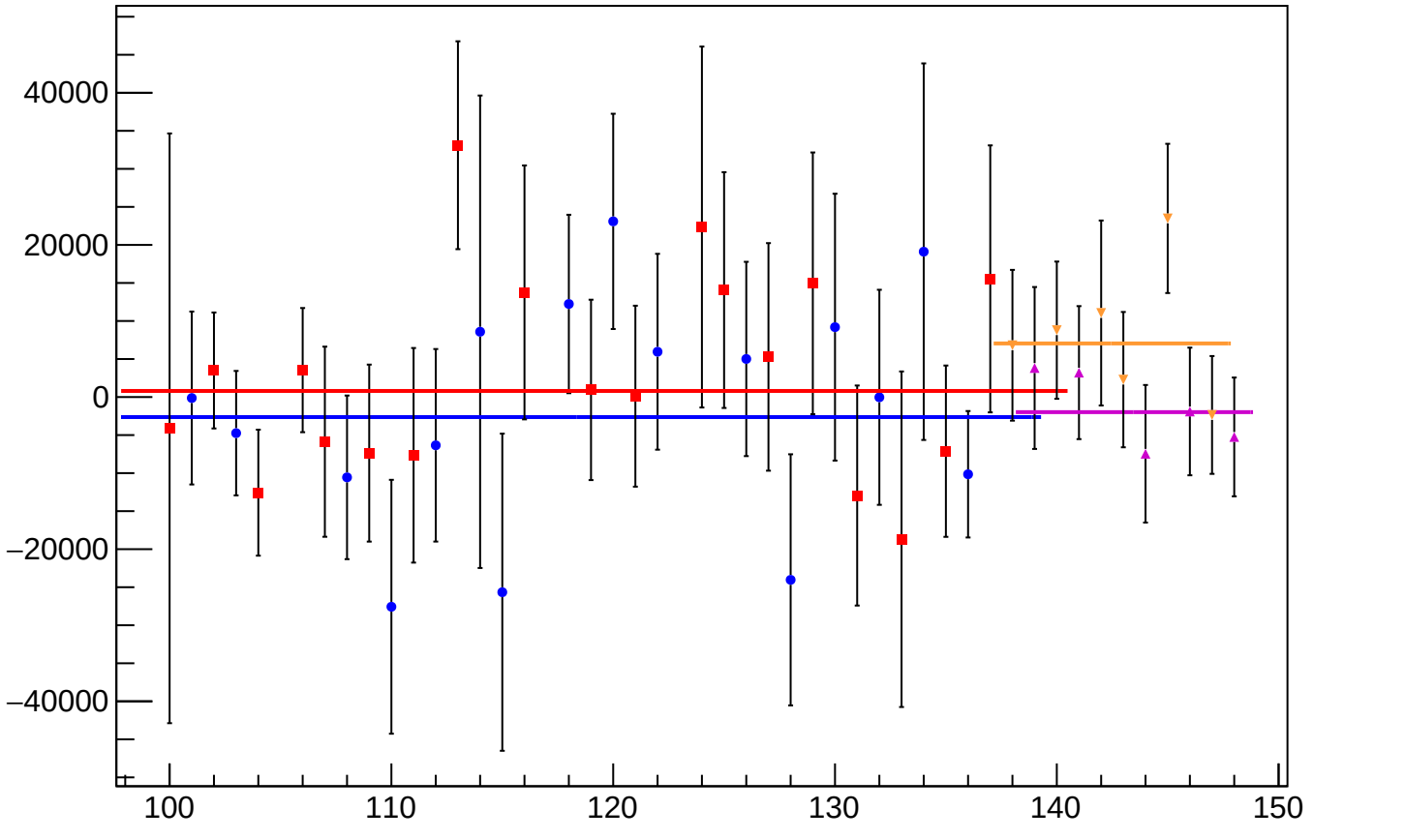
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2636.787+/-0.893 χ^2/NDF:36987.7/4

+ sign 2660.930+/-0.555 χ^2/NDF: 533131.1/21

All: 2624.347+/-0.388 χ^2/NDF: 961333.4/45

- sign 2589.393+/-0.542 χ^2/NDF: 419704.5/23



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

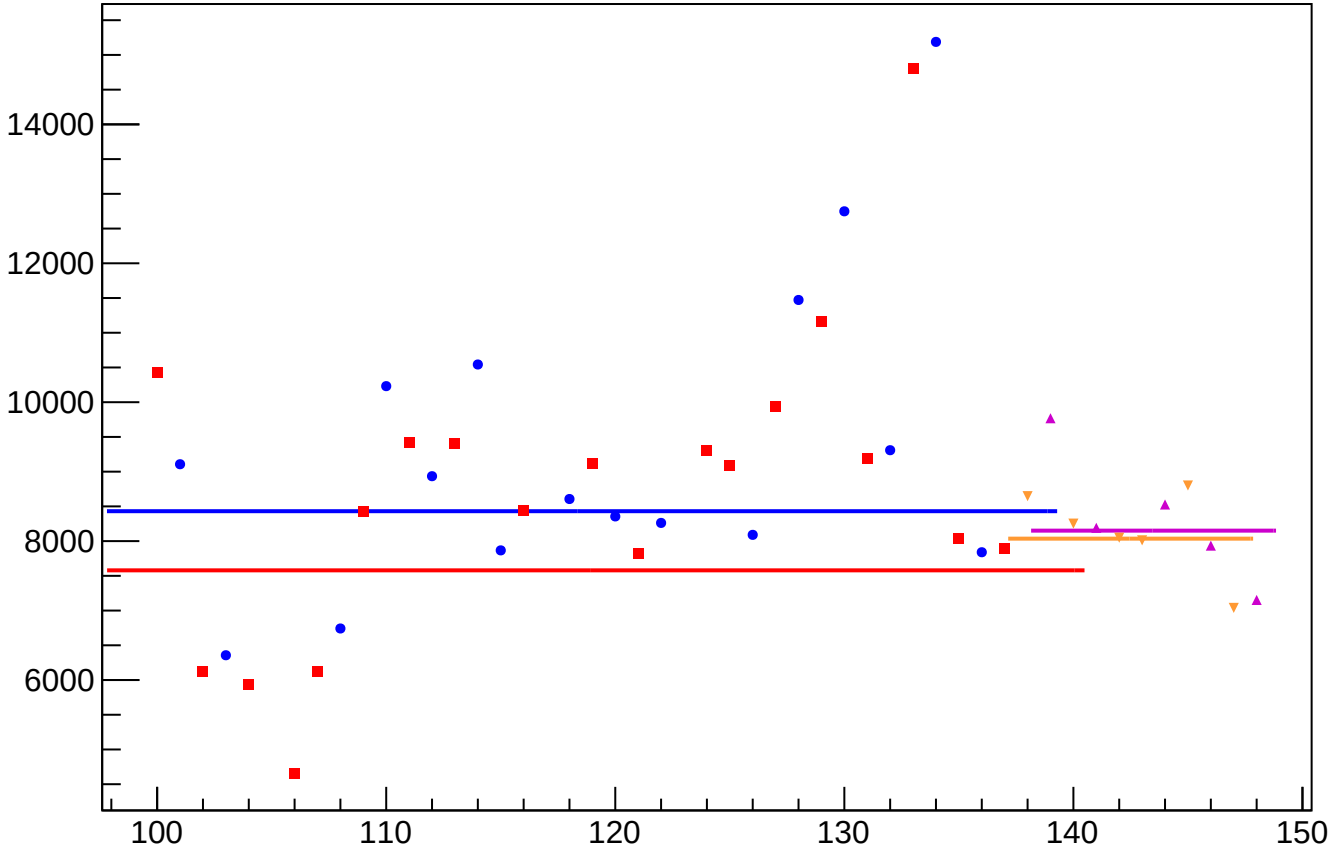
Left In: -1982.034+/-3929.828 χ^2/NDF:1.2/4

+ sign 1390.599+/-2455.185 χ^2/NDF: 22.3/21

All: 567.437+/-1685.971 χ^2/NDF: 39.4/45

- sign -167.104+/-2319.262 χ^2/NDF: 16.9/23

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

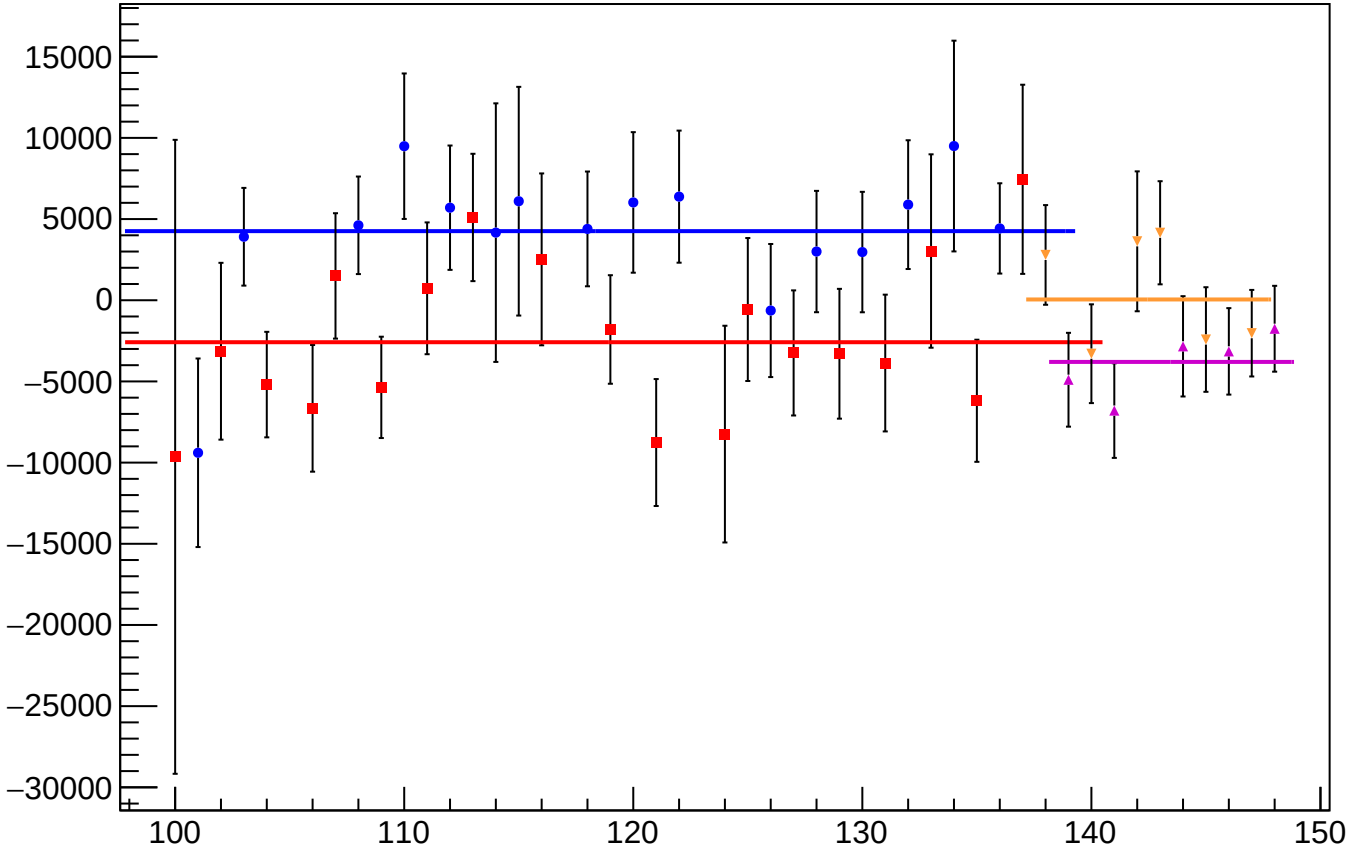
Left In: 8150.786+/-2.779 χ^2/NDF:83731.4/4

+ sign 8266.534+/-1.736 χ^2/NDF: 646981.7/21

All: 8008.489+/-1.192 χ^2/NDF: 1774229.2/45

- sign 7778.226+/-1.640 χ^2/NDF: 1085440.5/23

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

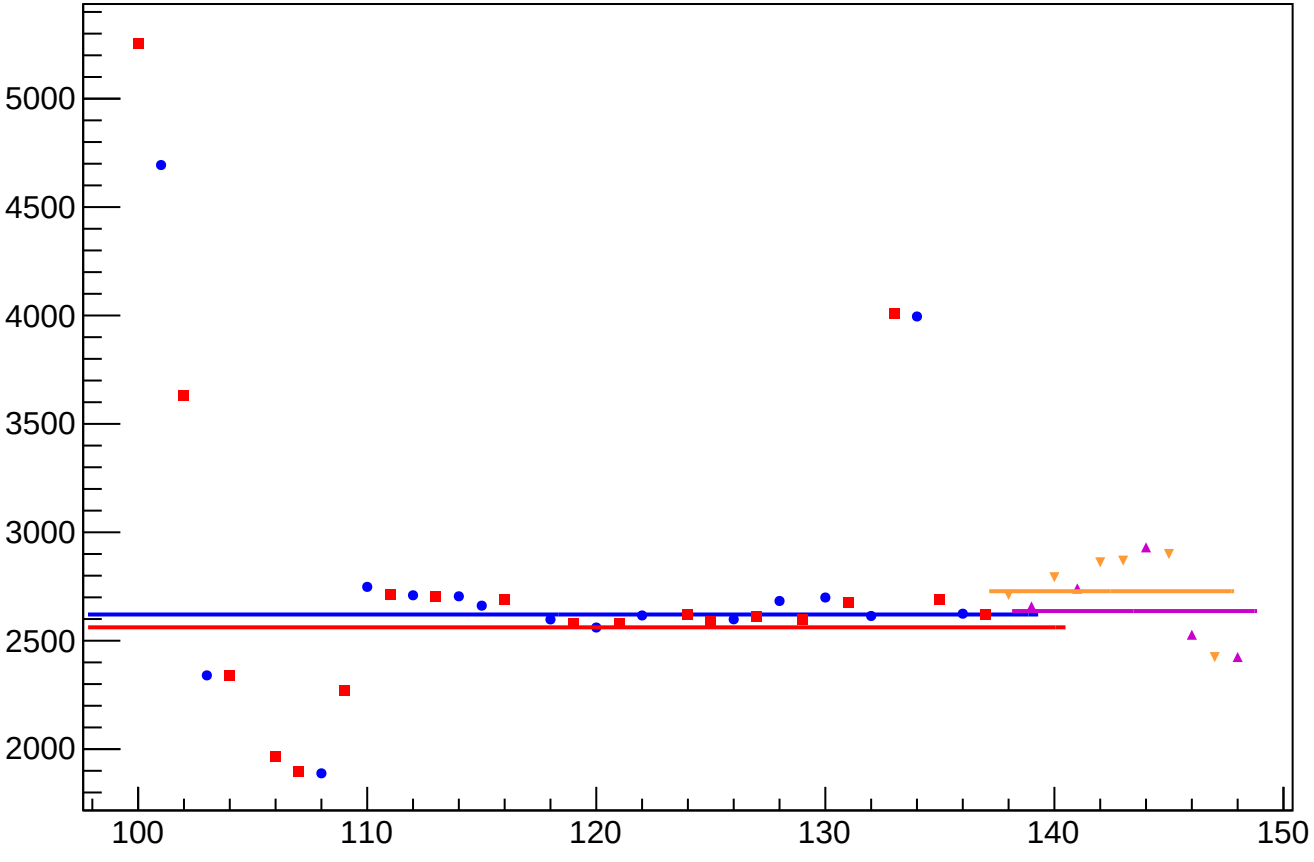
Left In: -3798.479+/-1263.486 χ^2/NDF:2.0/4

+ sign 2690.285+/-784.812 χ^2/NDF: 22.3/21

All: -235.175+/-548.698 χ^2/NDF: 69.7/45

- sign -3032.493+/-767.431 χ^2/NDF: 20.2/23

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

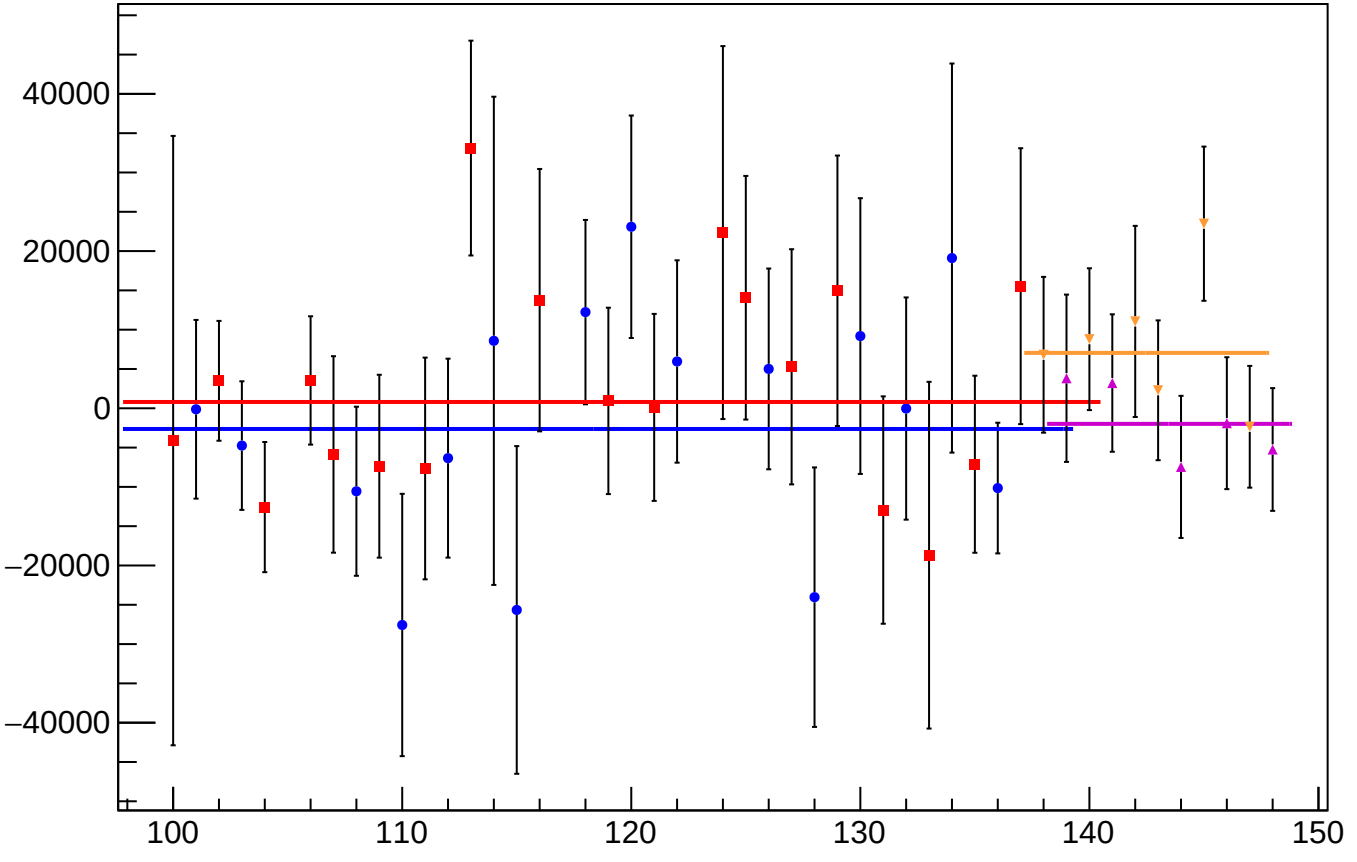
Left In: 2636.789+/-0.893 χ^2/NDF:36987.4/4

+ sign 2660.930+/-0.555 χ^2/NDF: 533131.8/21

All: 2624.348+/-0.388 χ^2/NDF: 961333.4/45

- sign 2589.393+/-0.542 χ^2/NDF: 419703.9/23

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

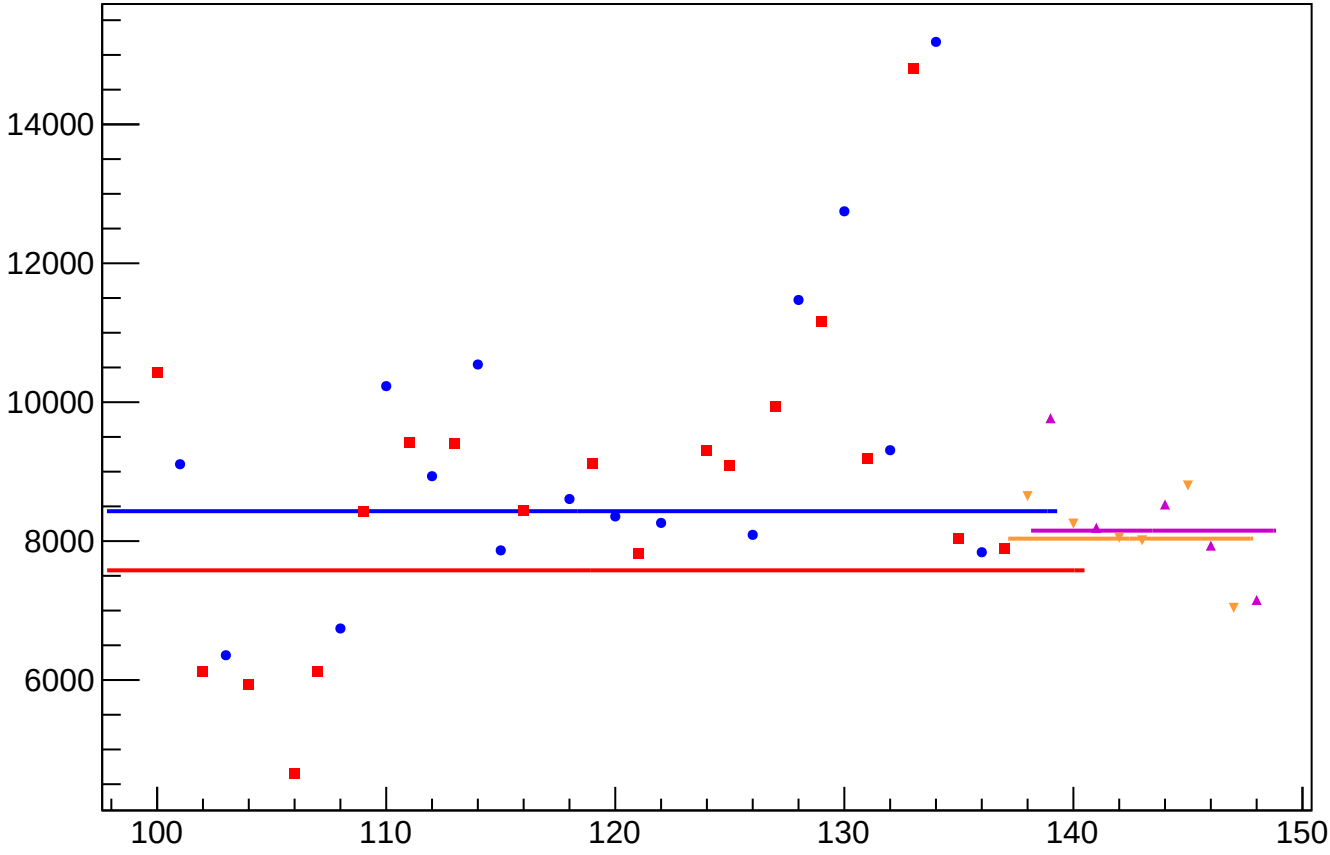
Left In: -1982.019+/-3929.833 χ^2/NDF:1.2/4

+ sign 1390.607+/-2455.184 χ^2/NDF: 22.3/21

All: 567.445+/-1685.970 χ^2/NDF: 39.4/45

- sign -167.098+/-2319.260 χ^2/NDF: 16.9/23

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

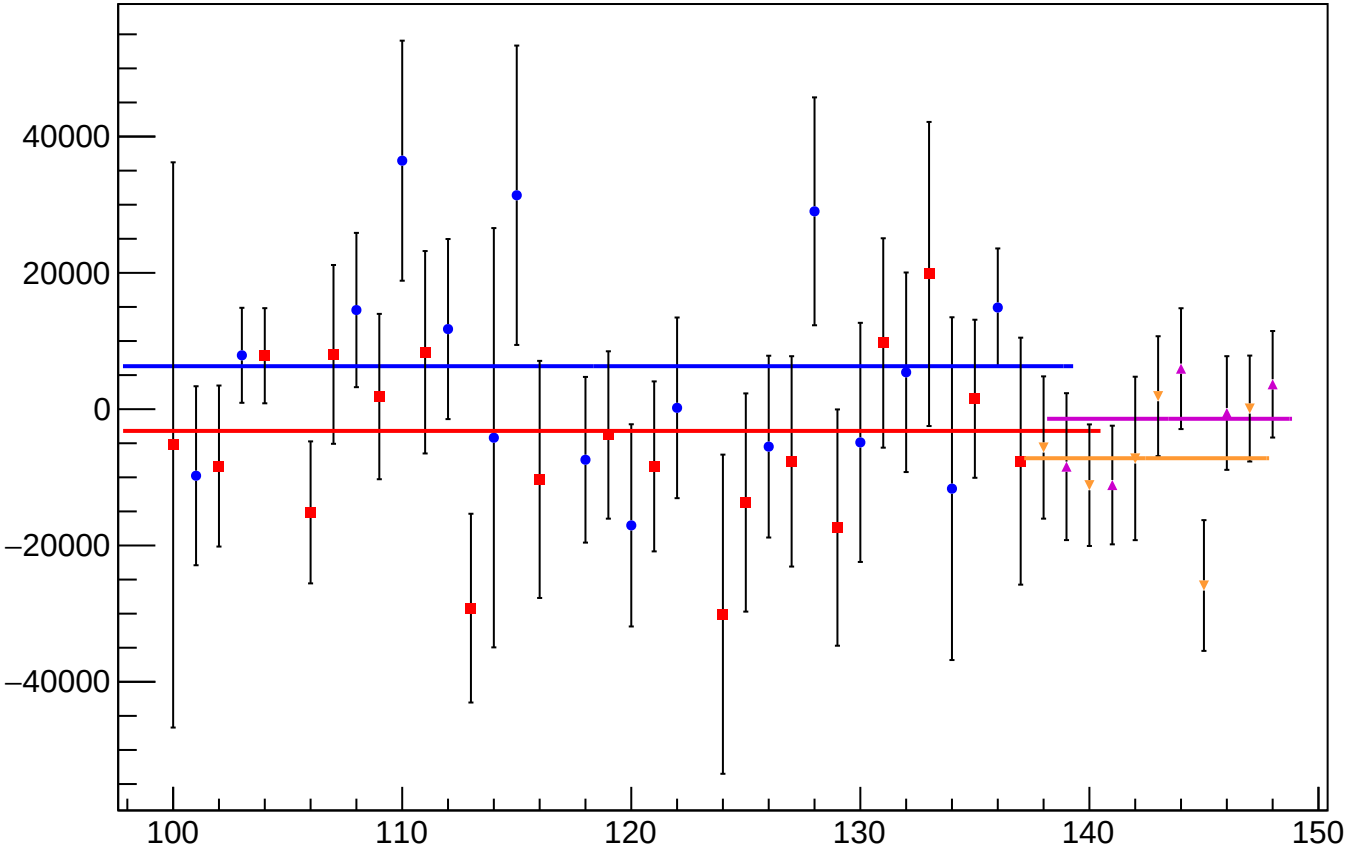
Left In: 8150.797+/-2.779 χ^2/NDF:83731.4/4

+ sign 8266.533+/-1.736 χ^2/NDF: 646974.6/21

All: 8008.487+/-1.192 χ^2/NDF: 1774221.3/45

- sign 7778.221+/-1.640 χ^2/NDF: 1085438.9/23

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

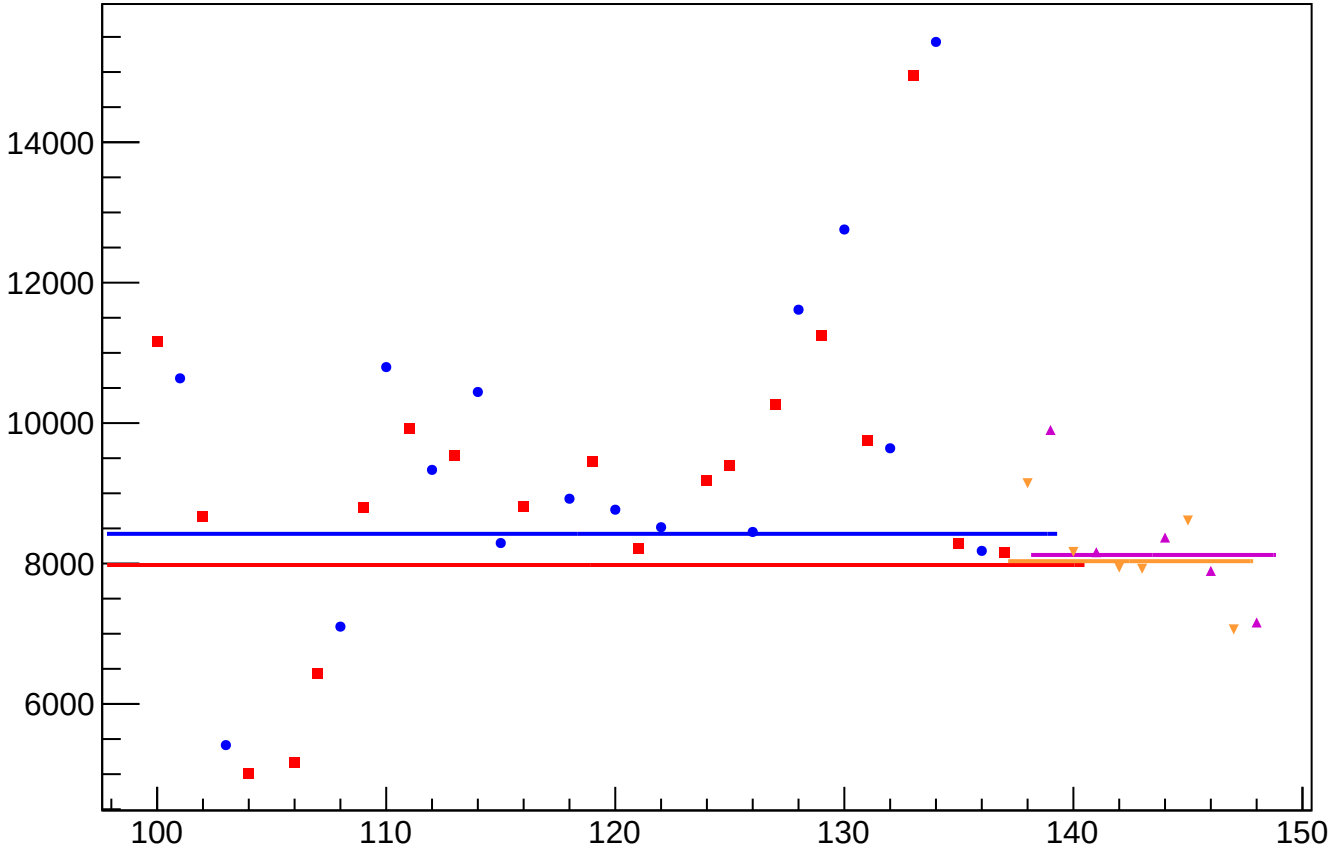
Left In: -1410.278+/-3913.606 χ^2/NDF:2.8/4

+ sign 632.122+/-2466.721 χ^2/NDF: 28.4/21

All: -973.361+/-1725.596 χ^2/NDF: 46.0/45

- sign -2512.006+/-2414.829 χ^2/NDF: 16.8/23

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

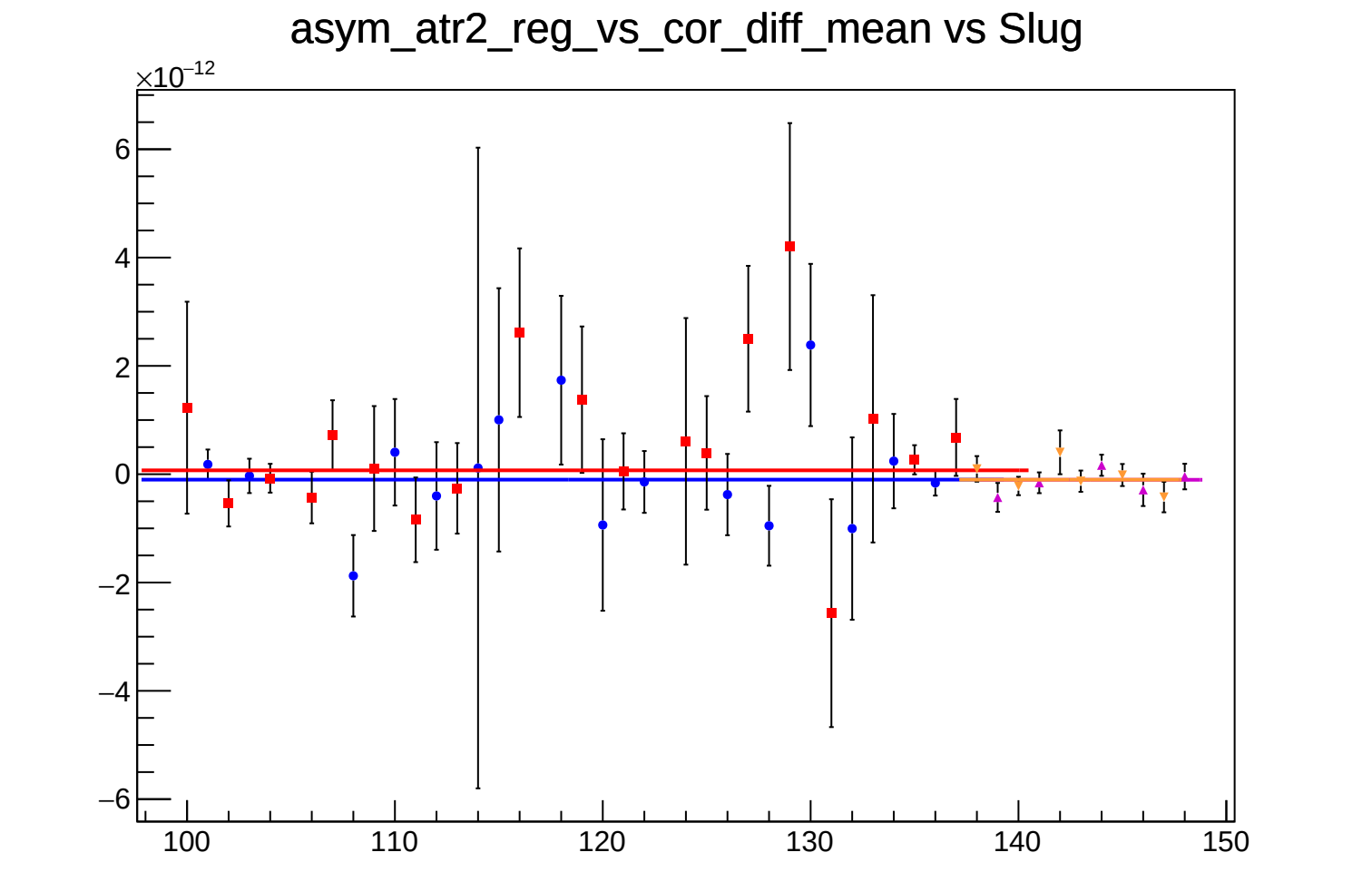
Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8121.991+/-2.767 χ^2/NDF:87921.6/4

+ sign 8259.081+/-1.744 χ^2/NDF: 956002.4/21

All: 8143.860+/-1.220 χ^2/NDF: 2070142.1/45

- sign 8033.438+/-1.708 χ^2/NDF: 1105594.1/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/5

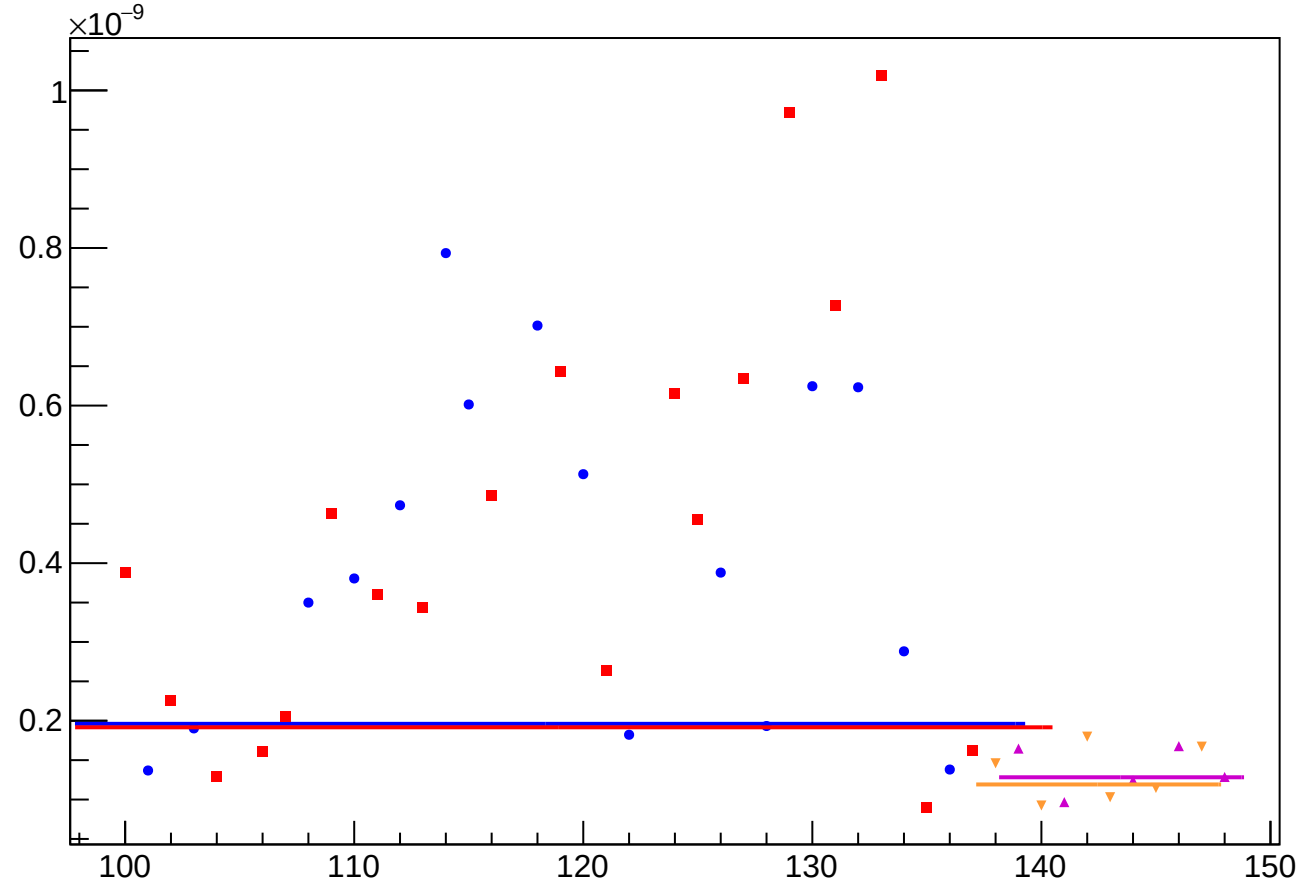
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 17.9/21

All: -0.000+/-0.000 χ^2/NDF: 42.7/45

- sign -0.000+/-0.000 χ^2/NDF: 24.6/23



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

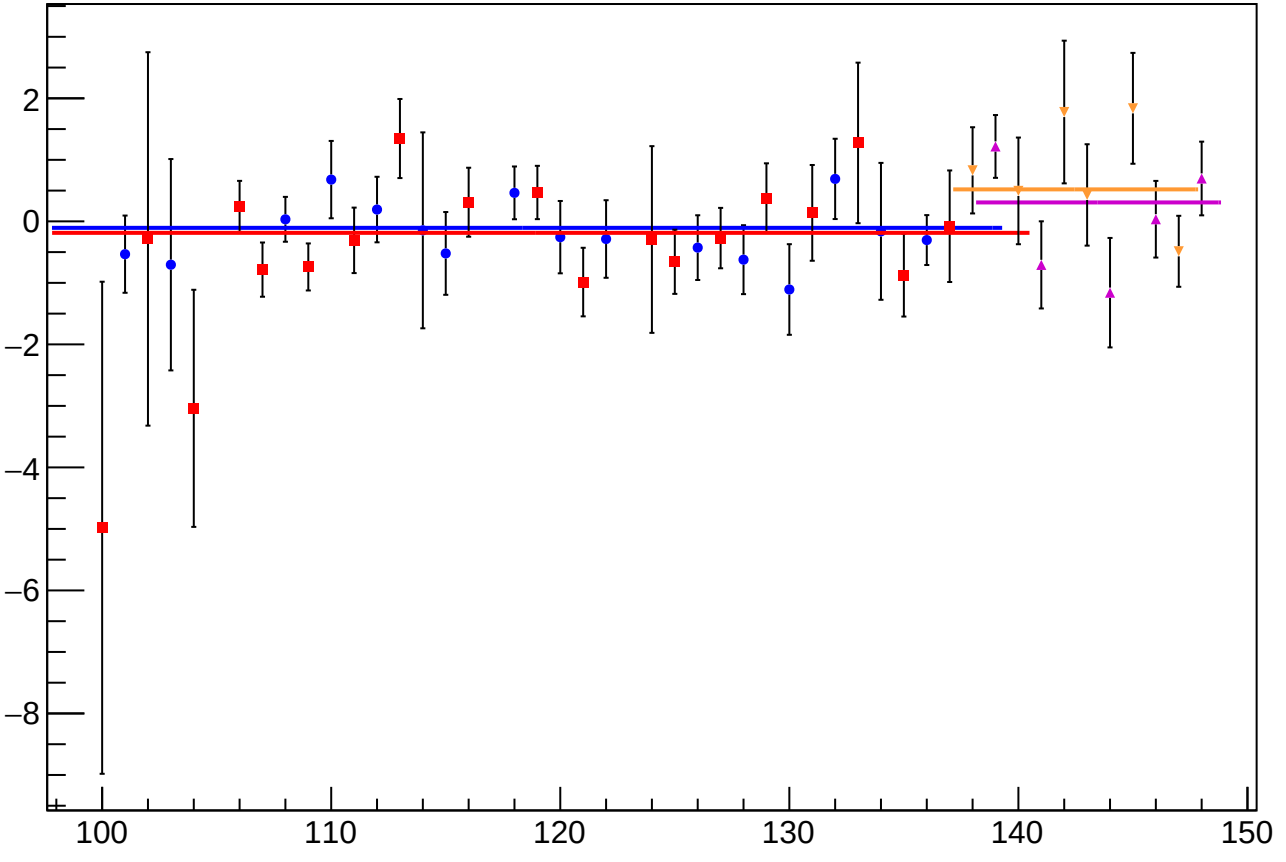
Left In: 0.000+/-0.000 χ^2/NDF:126970.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 1985466.5/21

All: 0.000+/-0.000 χ^2/NDF: 4457222.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2463763.7/23

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

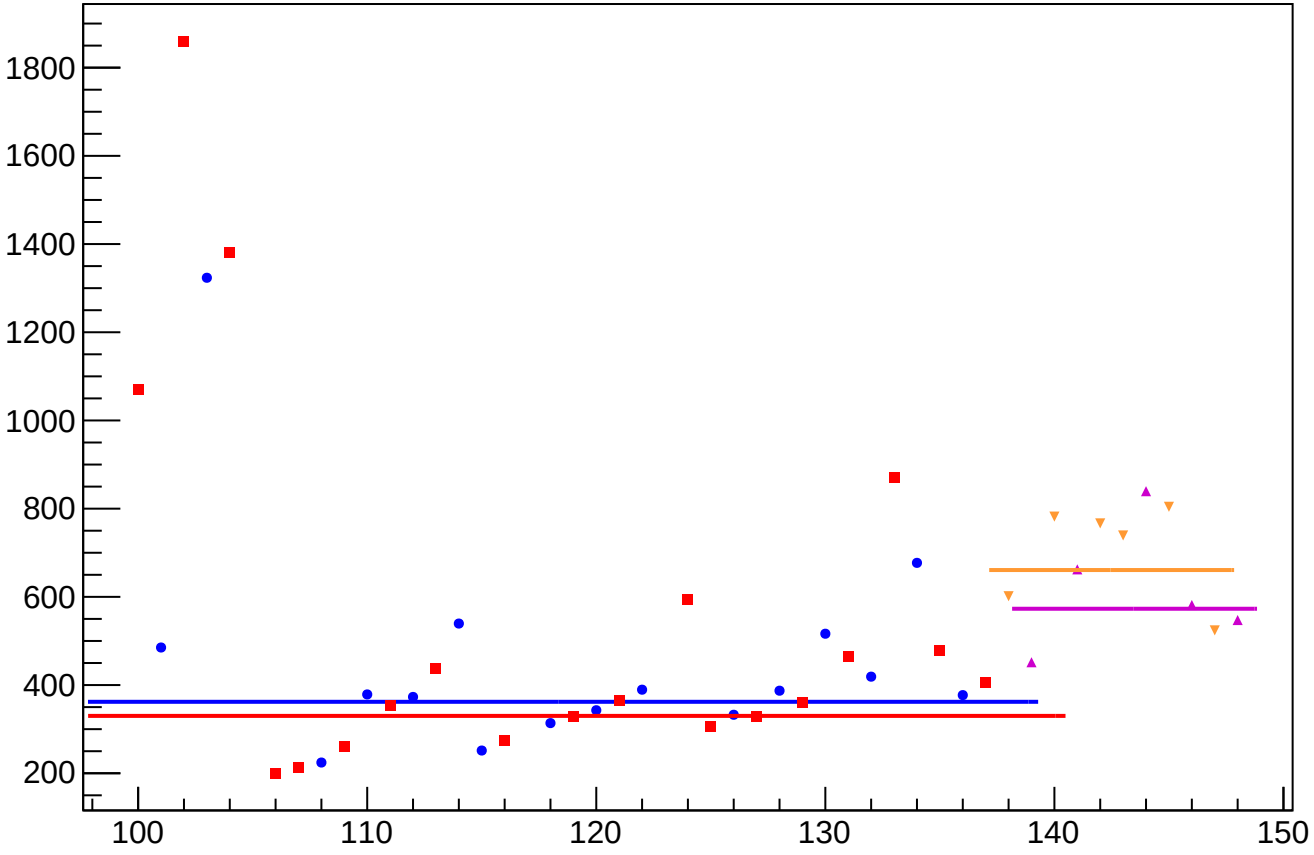
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.049+/-0.090 χ^2/NDF: 54.6/45

- sign -0.093+/-0.124 χ^2/NDF: 34.9/23

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

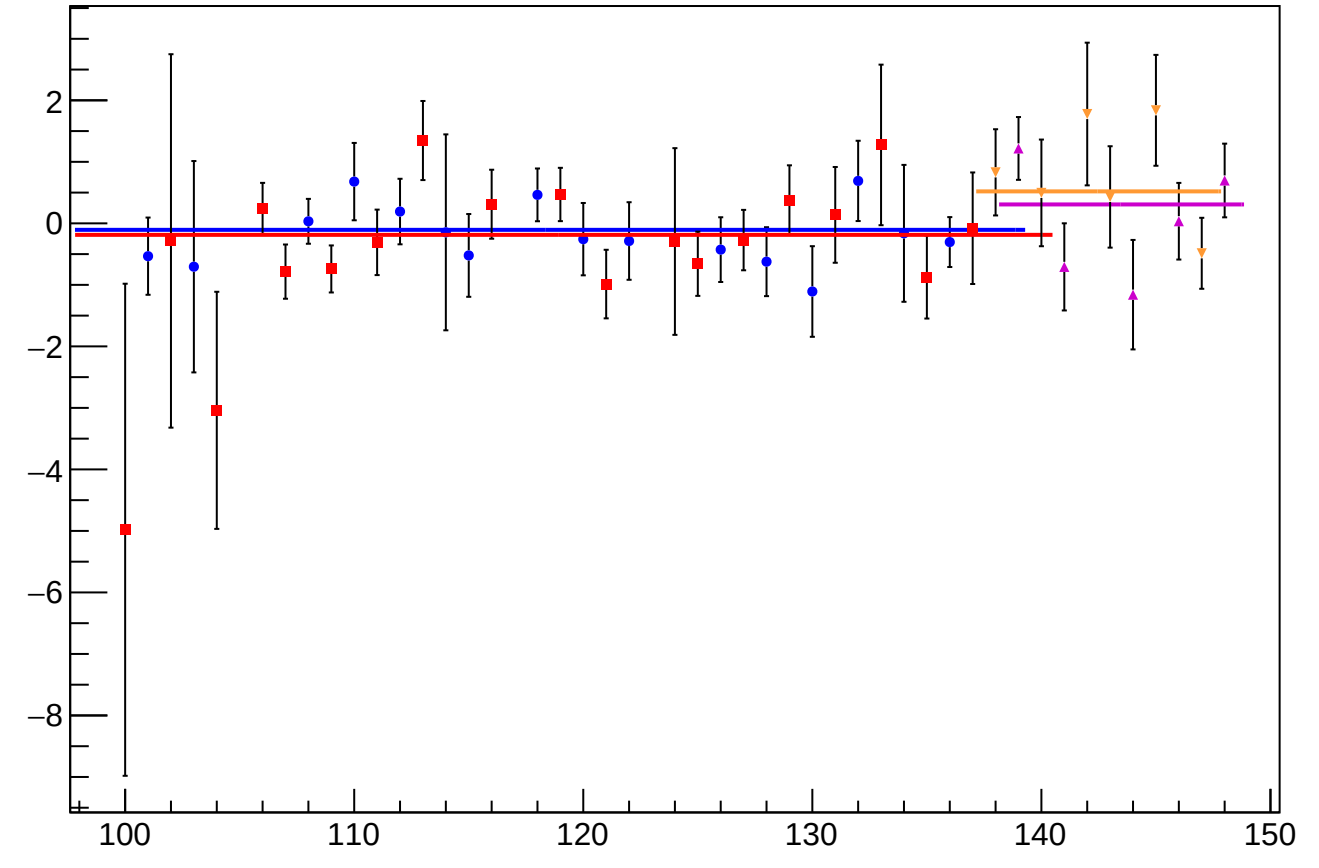
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

+ sign 412.968+/-0.093 χ^2/NDF: 3082370.6/21

All: 393.490+/-0.064 χ^2/NDF: 6929617.0/45

- sign 376.343+/-0.087 χ^2/NDF: 3765083.2/23



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

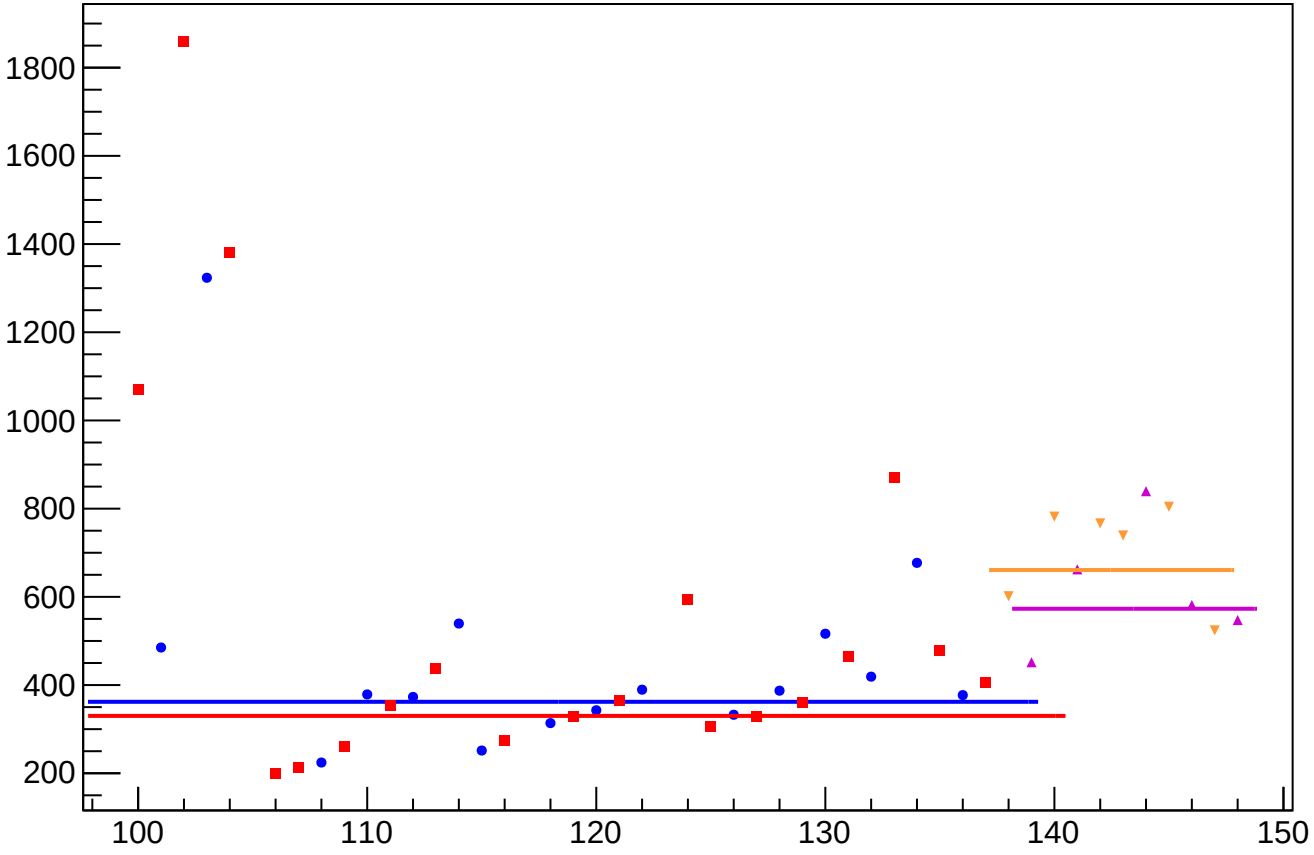
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.049+/-0.090 χ^2/NDF: 54.6/45

- sign -0.093+/-0.124 χ^2/NDF: 34.9/23

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

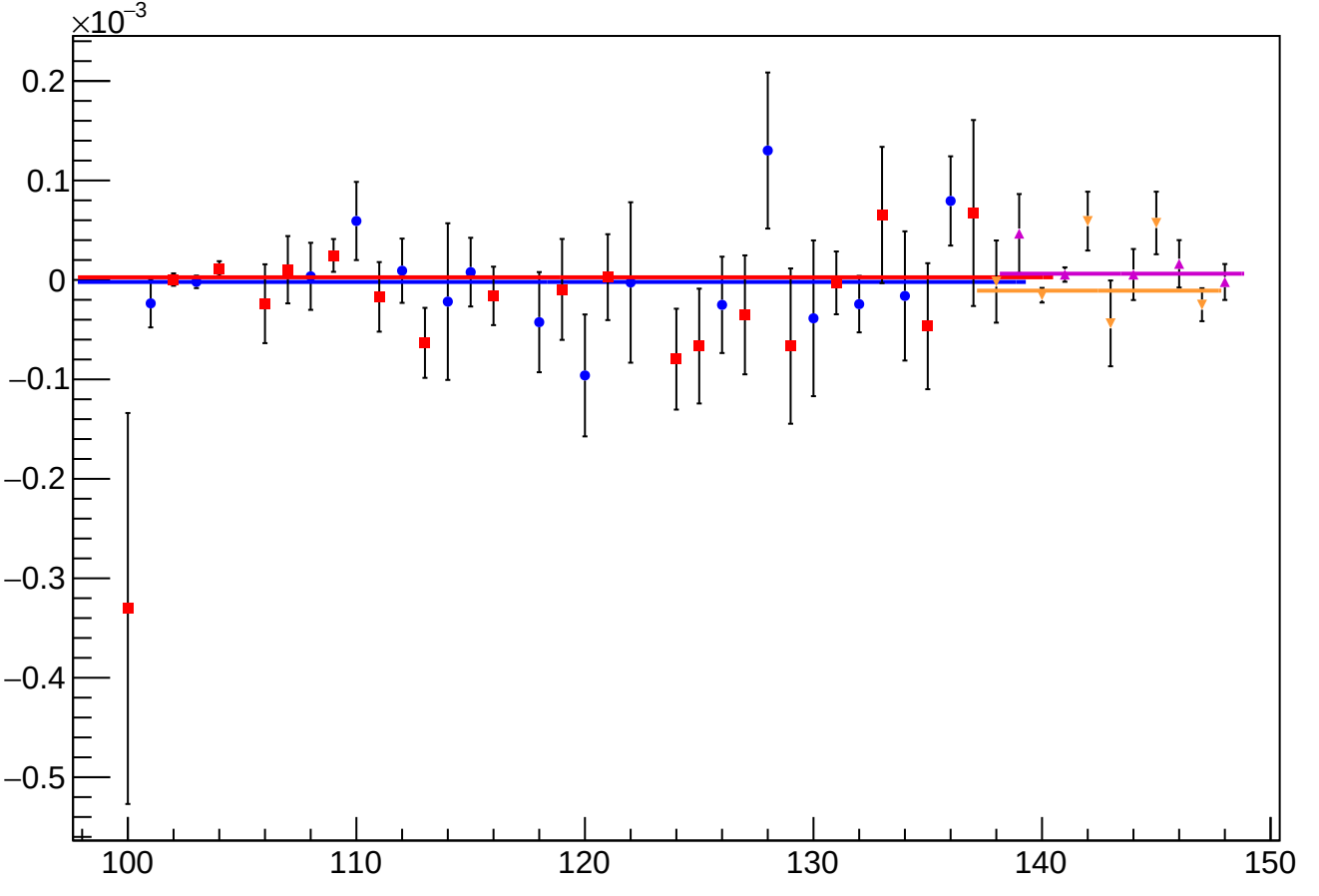
Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

+ sign 412.968+/-0.093 χ^2/NDF: 3082370.6/21

All: 393.490+/-0.064 χ^2/NDF: 6929617.0/45

- sign 376.343+/-0.087 χ^2/NDF: 3765083.2/23

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

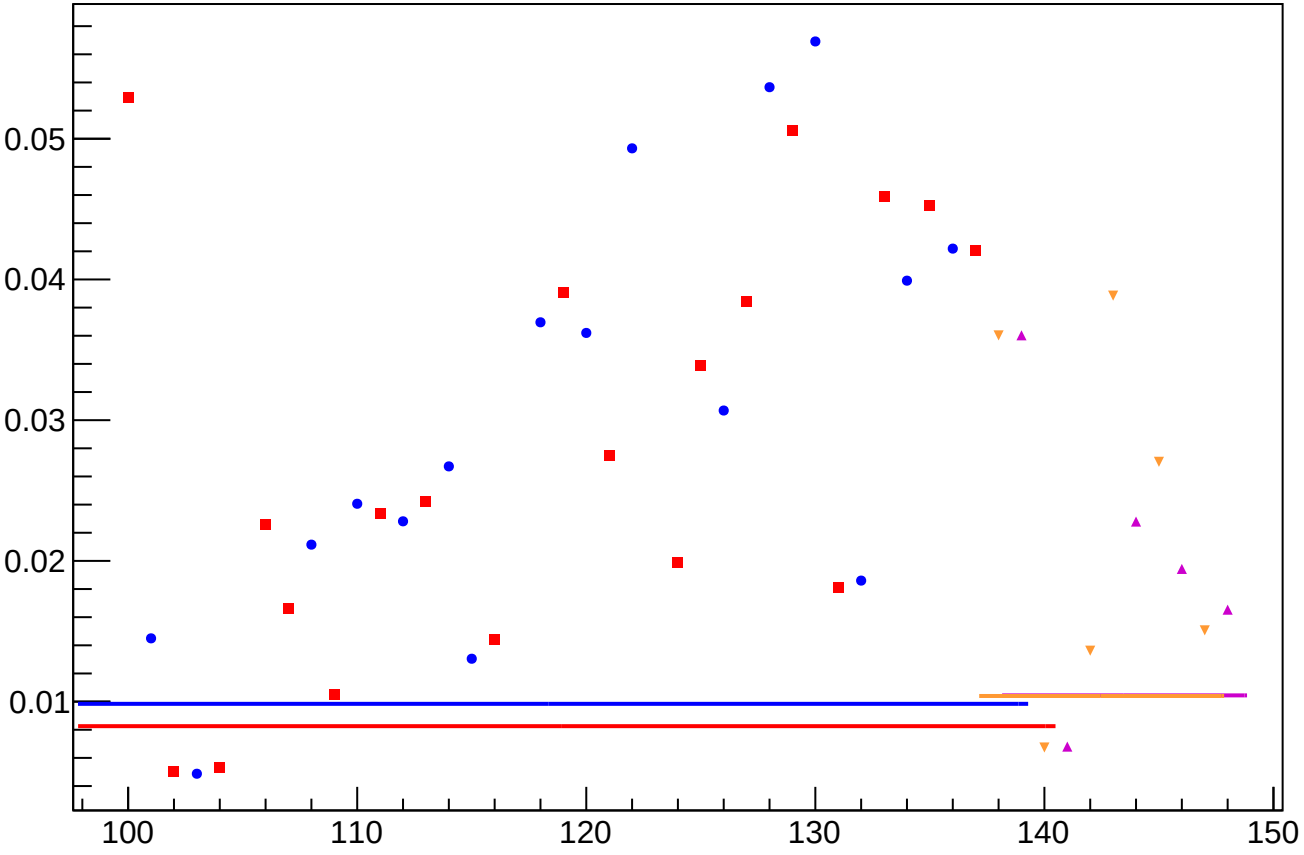
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/21

All: -0.000+/-0.000 χ^2/NDF: 49.9/45

- sign 0.000+/-0.000 χ^2/NDF: 19.9/23

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2877621.8/5

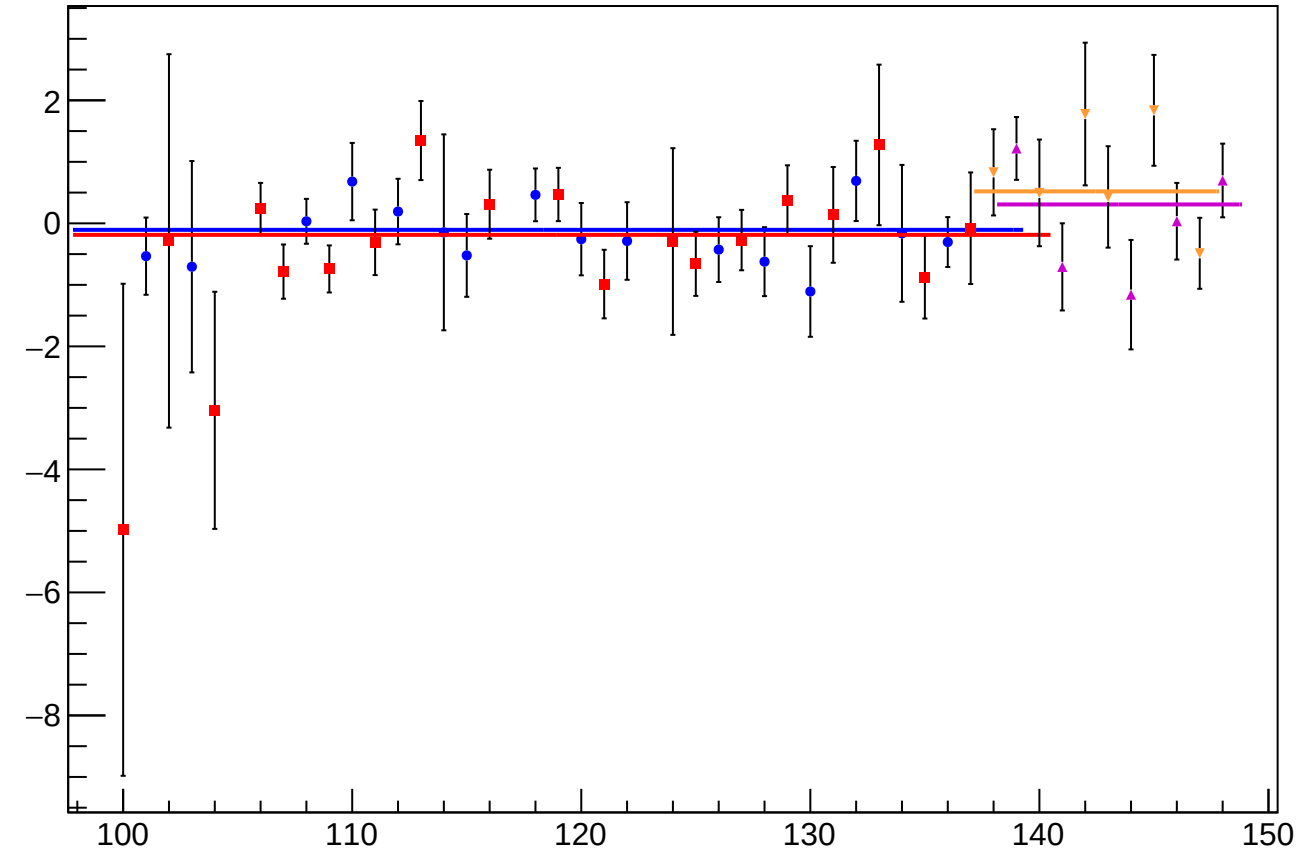
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.010+/-0.000 χ^2/NDF:2308305.6/4

+ sign 0.010+/-0.000 χ^2/NDF: 9939092.2/21

All: 0.009+/-0.000 χ^2/NDF: 19246699.3/45

- sign 0.009+/-0.000 χ^2/NDF: 9219390.4/23



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

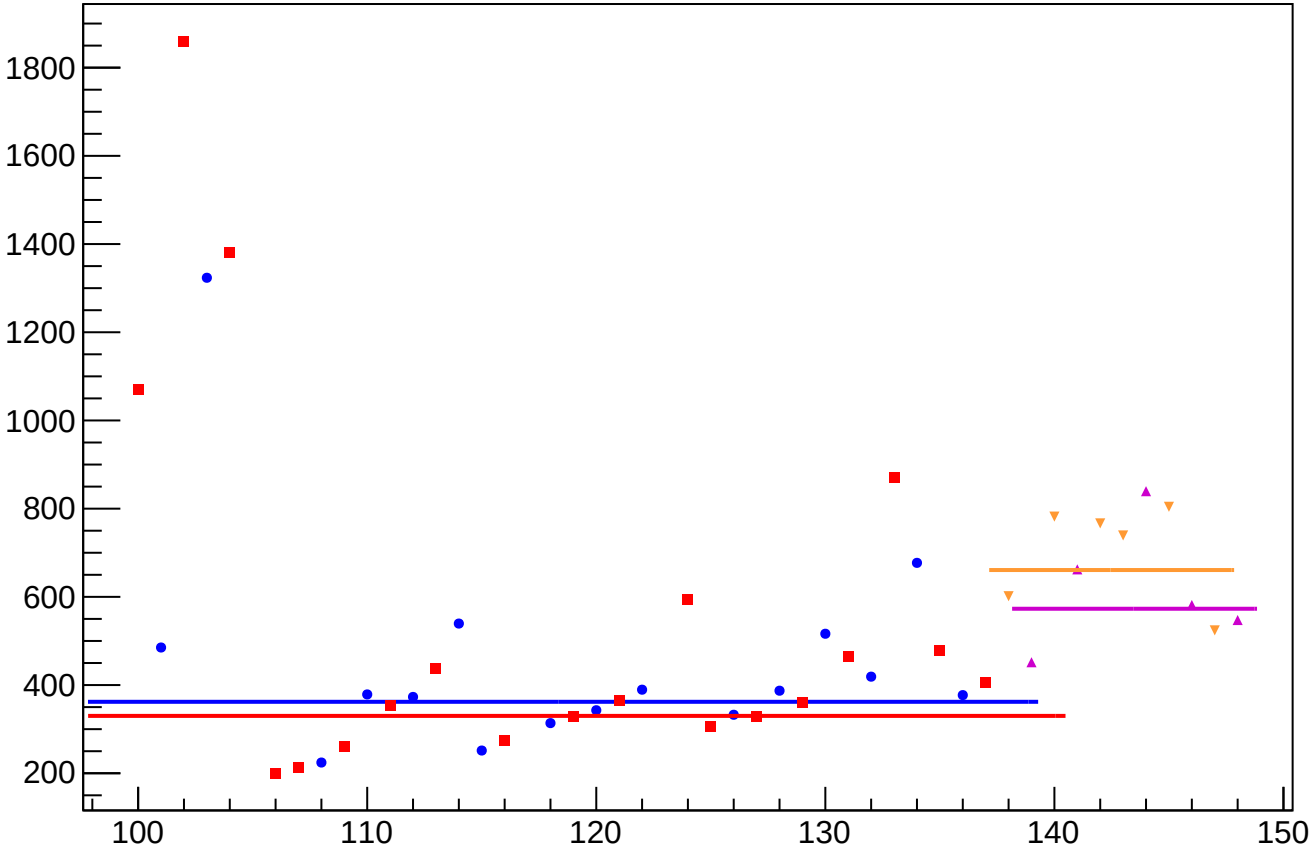
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.049+/-0.090 χ^2/NDF: 54.6/45

- sign -0.093+/-0.124 χ^2/NDF: 34.9/23

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

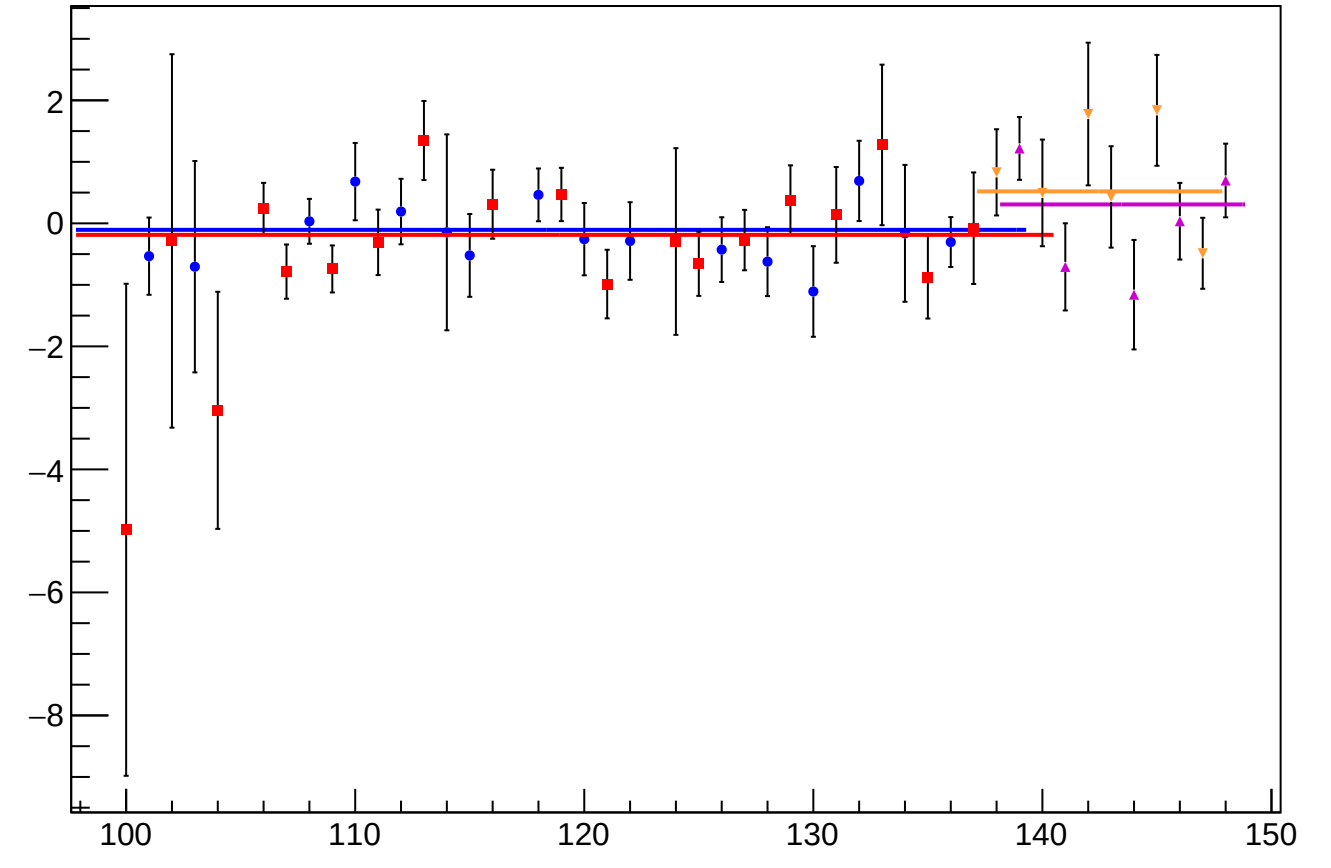
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

+ sign 412.966+/-0.093 χ^2/NDF: 3082450.3/21

All: 393.488+/-0.064 χ^2/NDF: 6929737.2/45

- sign 376.342+/-0.087 χ^2/NDF: 3765130.2/23



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

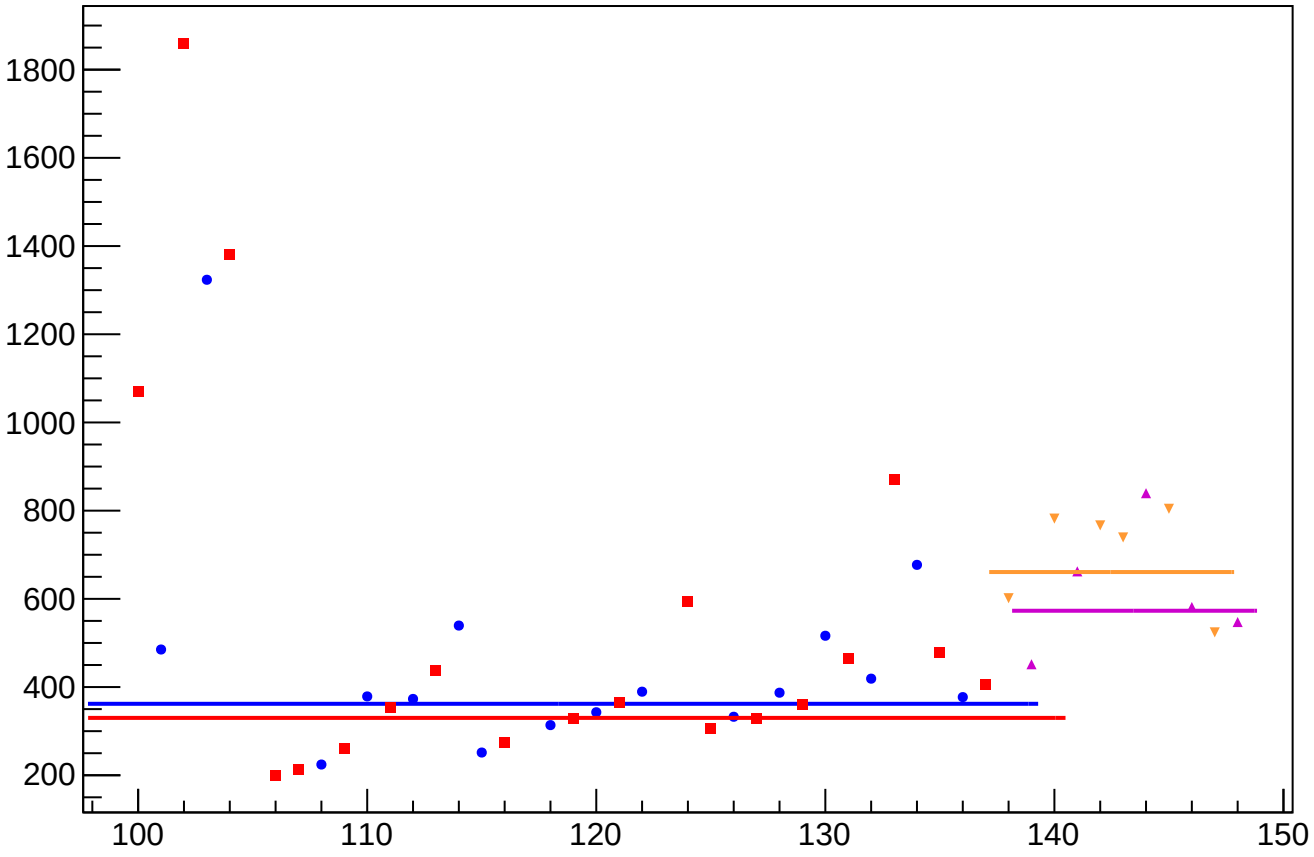
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.001+/-0.132 χ^2/NDF: 19.4/21

All: -0.049+/-0.090 χ^2/NDF: 54.6/45

- sign -0.093+/-0.124 χ^2/NDF: 34.9/23



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

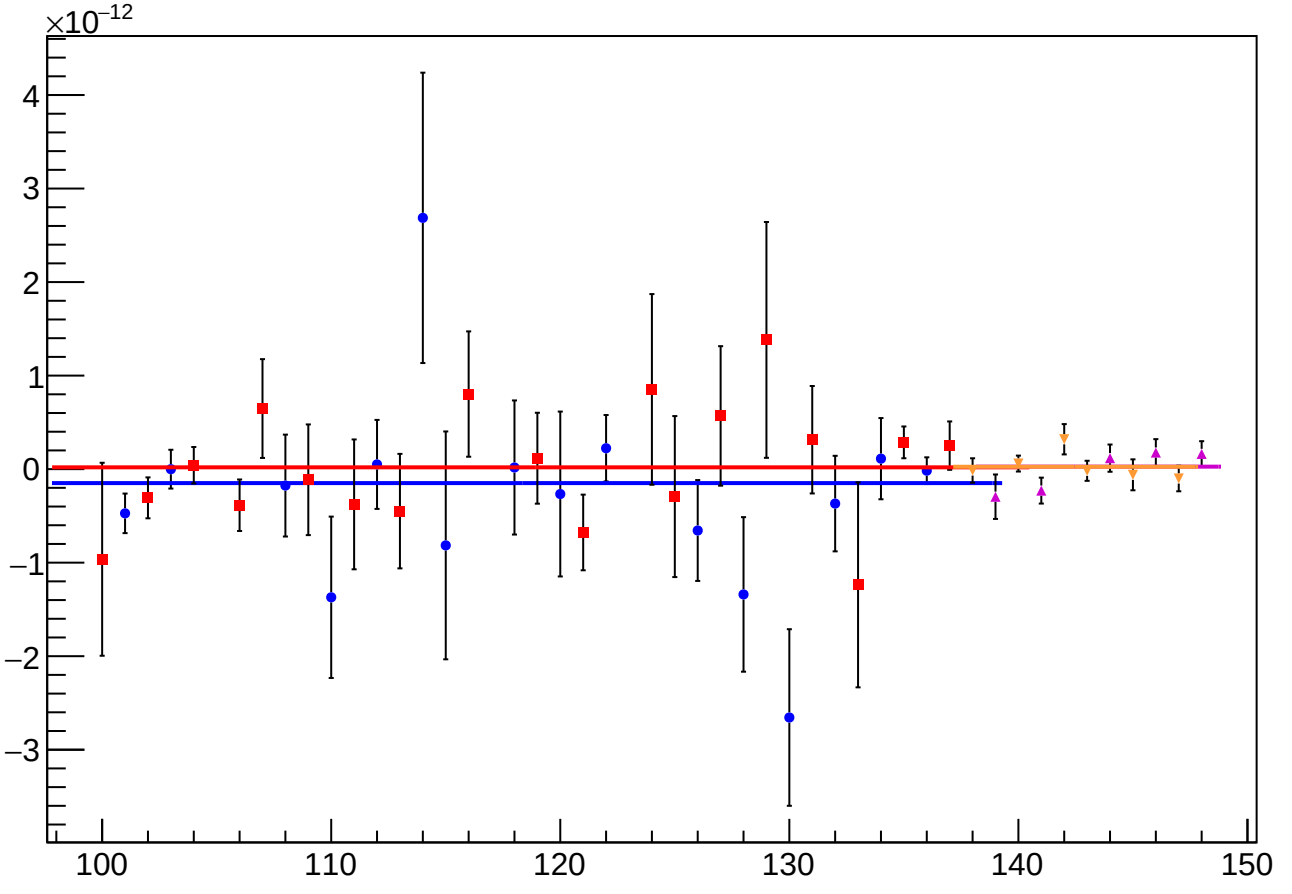
Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

+ sign 412.966+/-0.093 χ^2/NDF: 3082450.3/21

All: 393.488+/-0.064 χ^2/NDF: 6929737.2/45

- sign 376.342+/-0.087 χ^2/NDF: 3765130.2/23

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

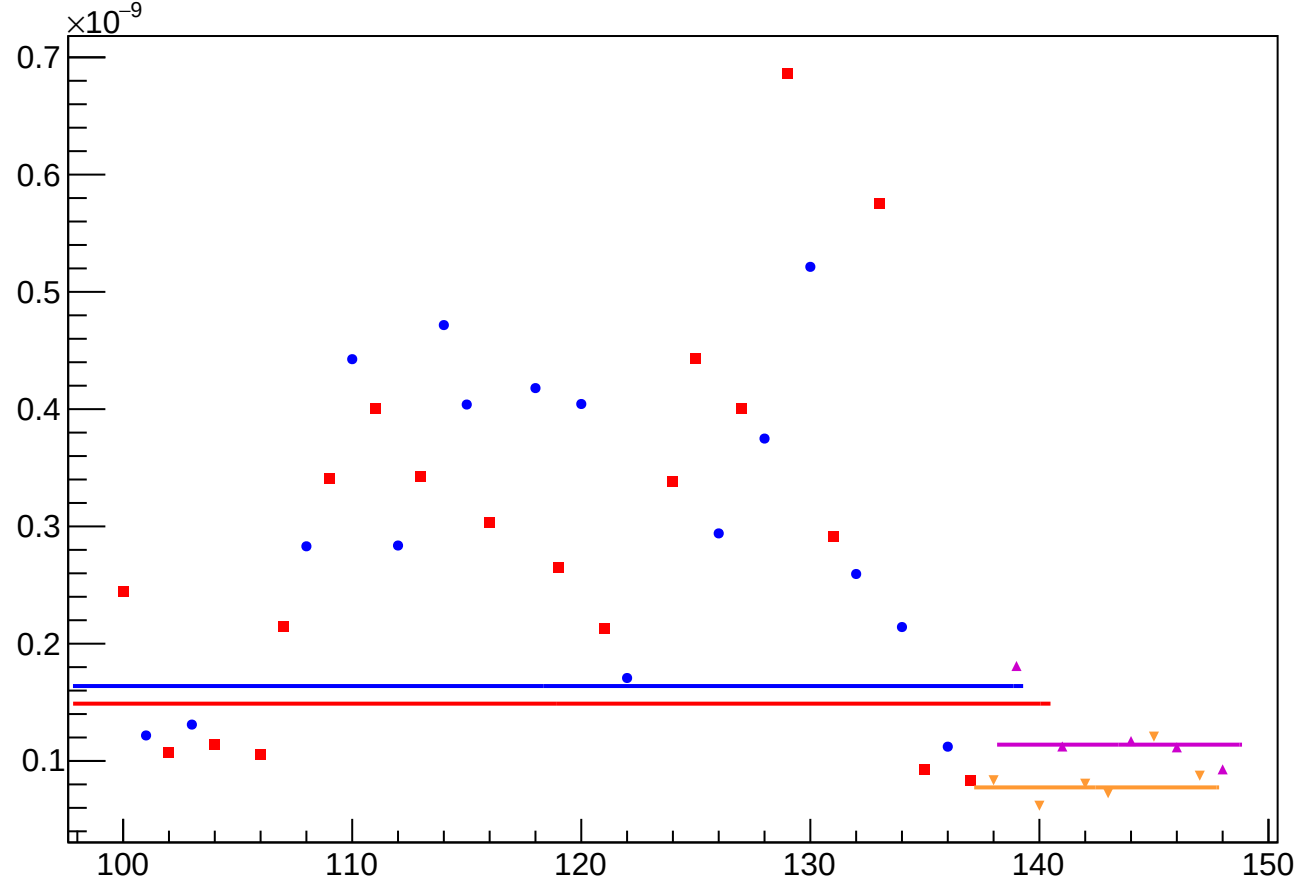
Left In: 0.000+/-0.000 χ^2/NDF:7.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/21

All: -0.000+/-0.000 χ^2/NDF: 56.7/45

- sign 0.000+/-0.000 χ^2/NDF: 27.2/23

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:224486.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

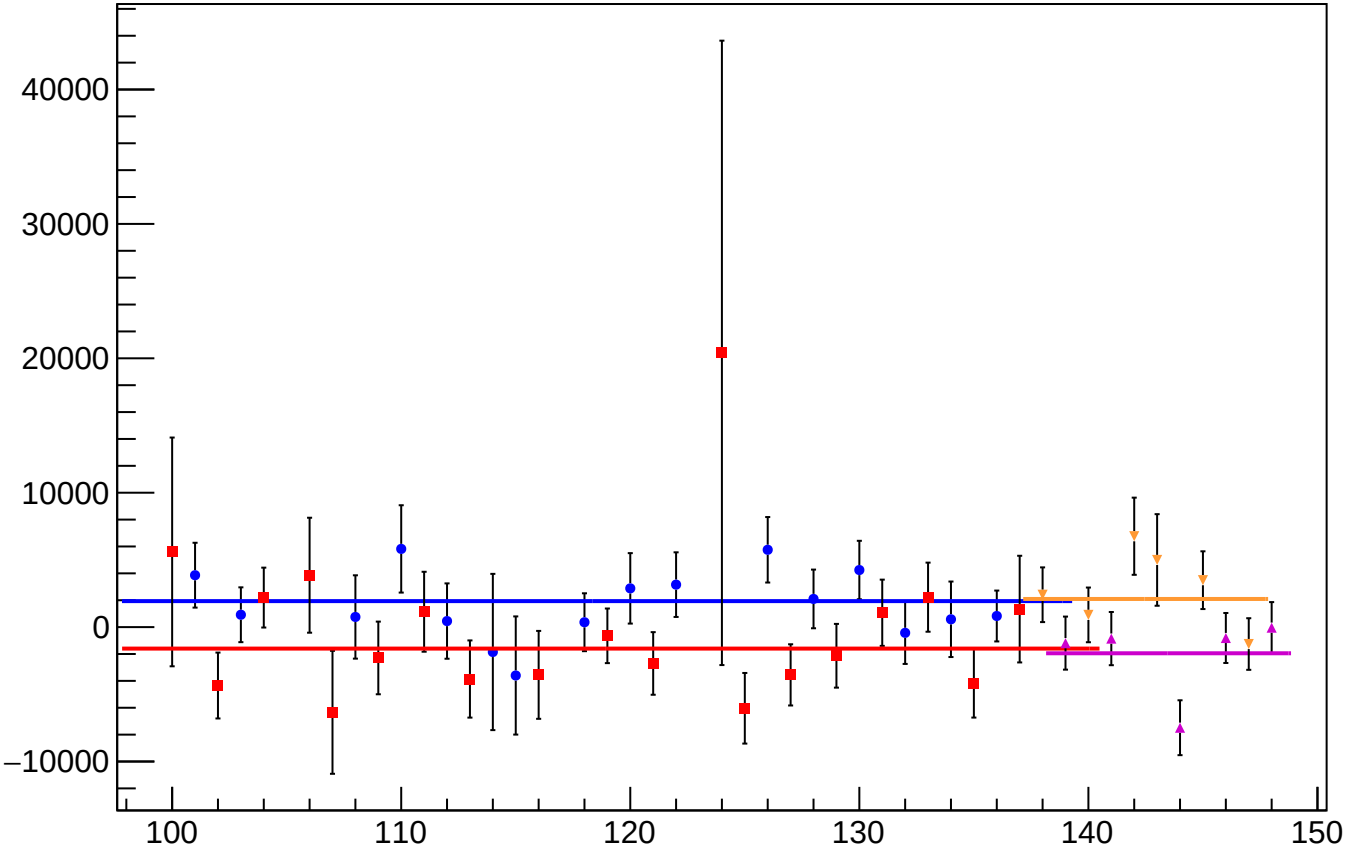
Left In: 0.000+/-0.000 χ^2/NDF:209146.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3722618.0/21

All: 0.000+/-0.000 χ^2/NDF: 7364939.7/45

- sign 0.000+/-0.000 χ^2/NDF: 3267497.0/23

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

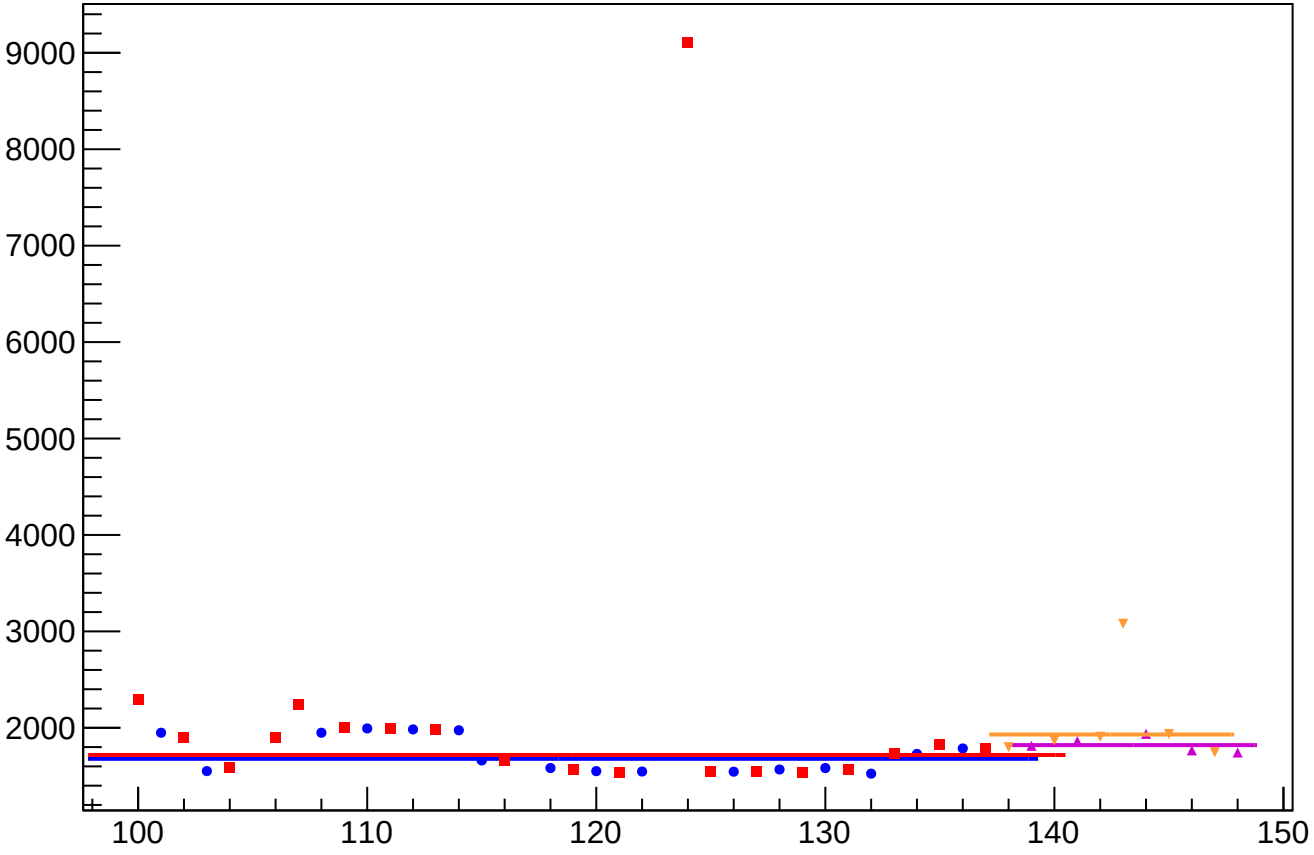
Left In: -1946.436+/-871.216 χ^2/NDF:9.2/4

+ sign 1985.210+/-518.828 χ^2/NDF: 18.1/21

All: 125.522+/-366.197 χ^2/NDF: 72.4/45

- sign -1720.647+/-516.939 χ^2/NDF: 28.7/23

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

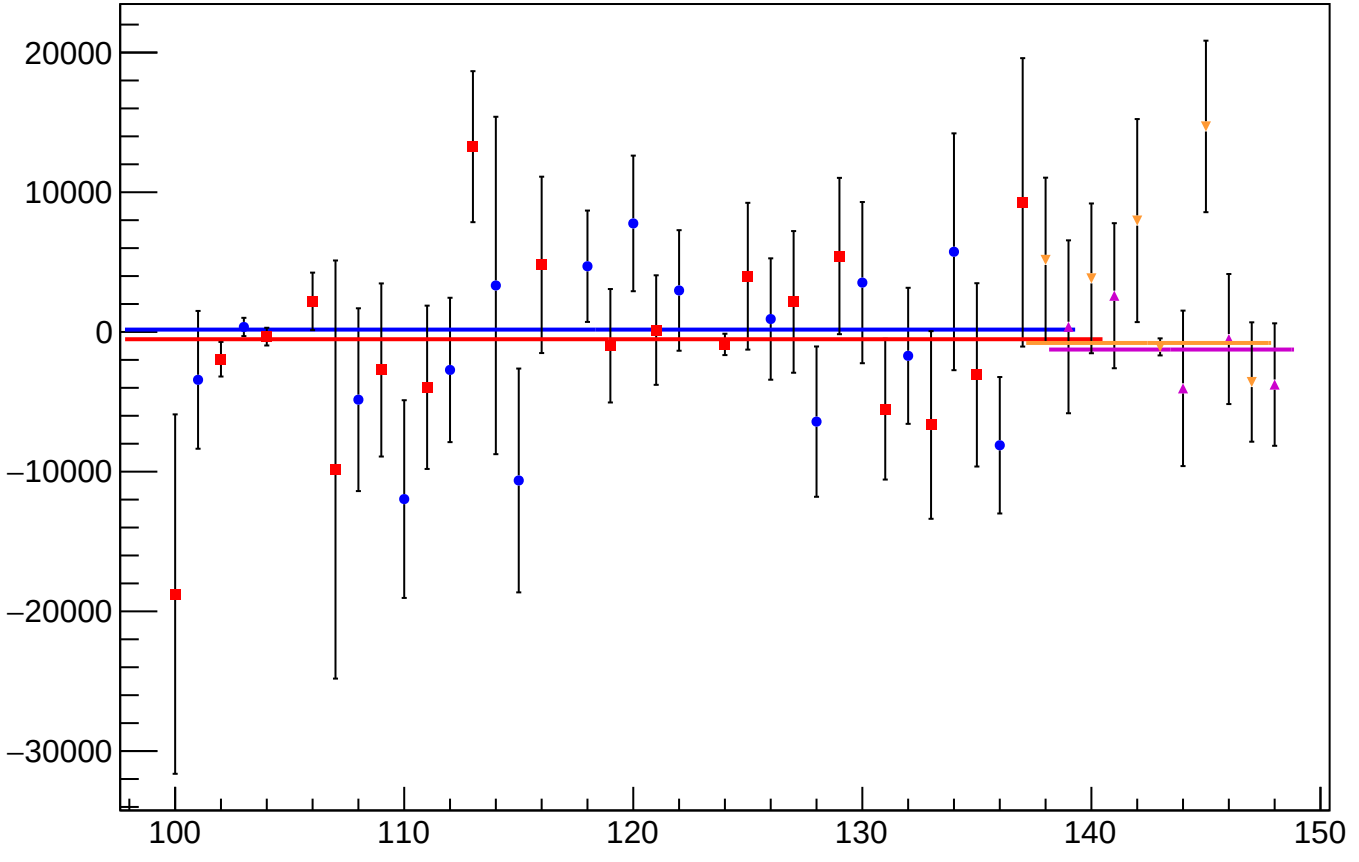
Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

\+ sign 1758.519+/-0.367 χ^2/NDF: 499622.9/21

All: 1756.296+/-0.259 χ^2/NDF: 913164.5/45

\- sign 1754.102+/-0.364 χ^2/NDF: 413468.7/23

asym_atl_avg_reg_correction_mean vs Slug



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

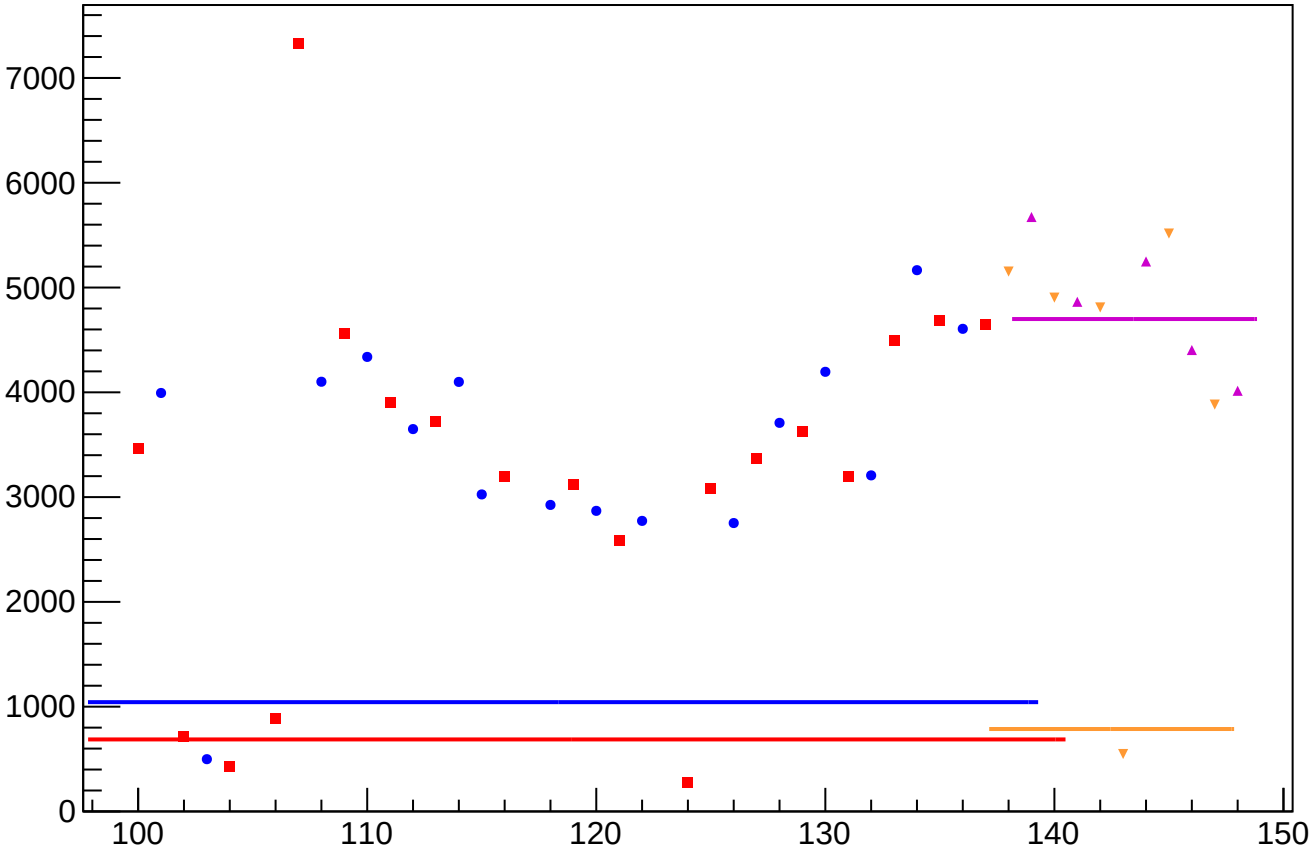
Left In: -1259.795+/-2271.984 χ^2/NDF:1.2/4

+ sign -308.980+/-418.668 χ^2/NDF: 27.4/21

All: -427.823+/-295.646 χ^2/NDF: 47.4/45

- sign -546.031+/-417.548 χ^2/NDF: 19.9/23

asym_atl_avg_reg_correction_rms vs Slug



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

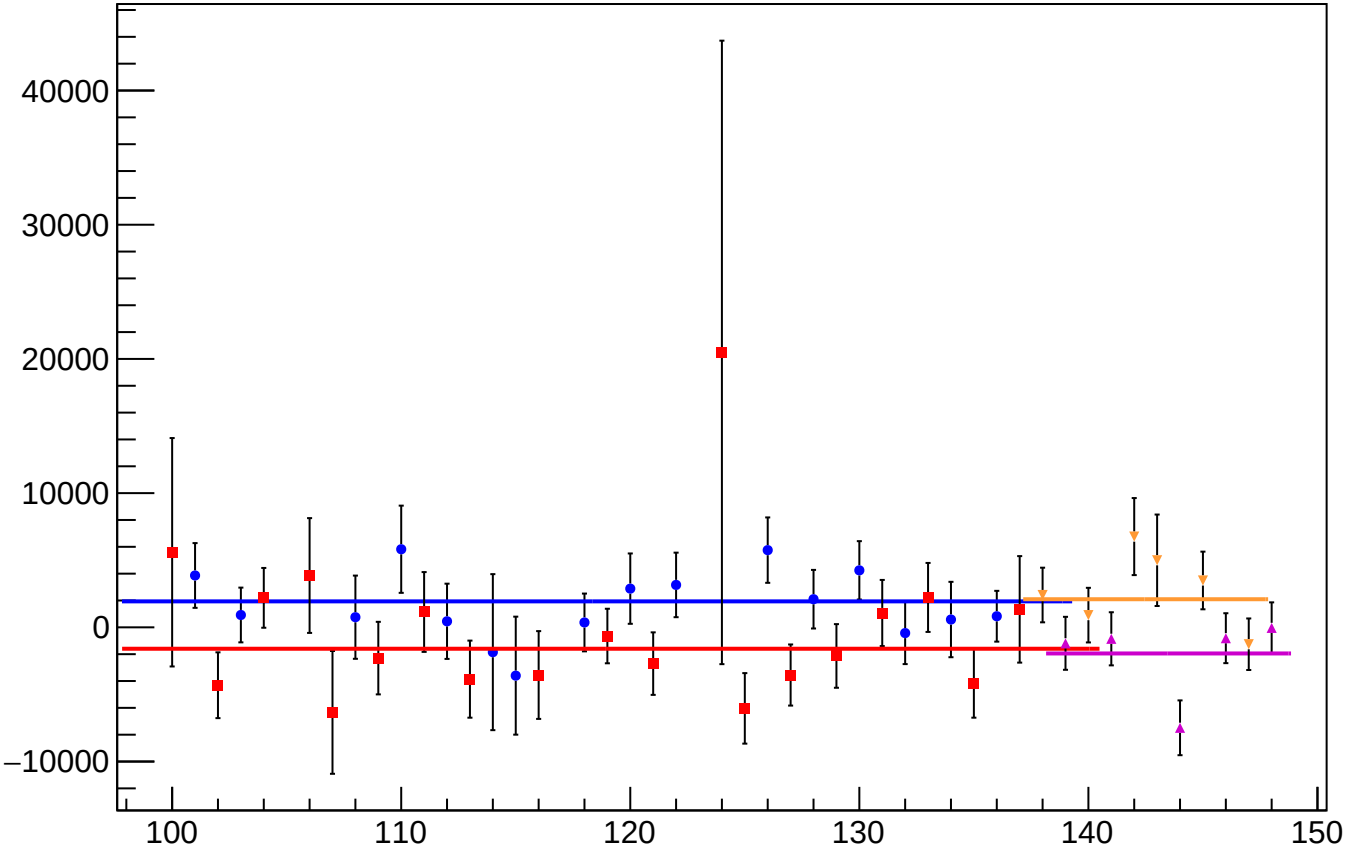
Left In: 4699.439+/-1.607 χ^2/NDF:127901.4/4

+ sign 915.168+/-0.296 χ^2/NDF: 13734413.6/21

All: 868.880+/-0.209 χ^2/NDF: 28568800.3/45

- sign 822.840+/-0.295 χ^2/NDF: 14785624.3/23

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

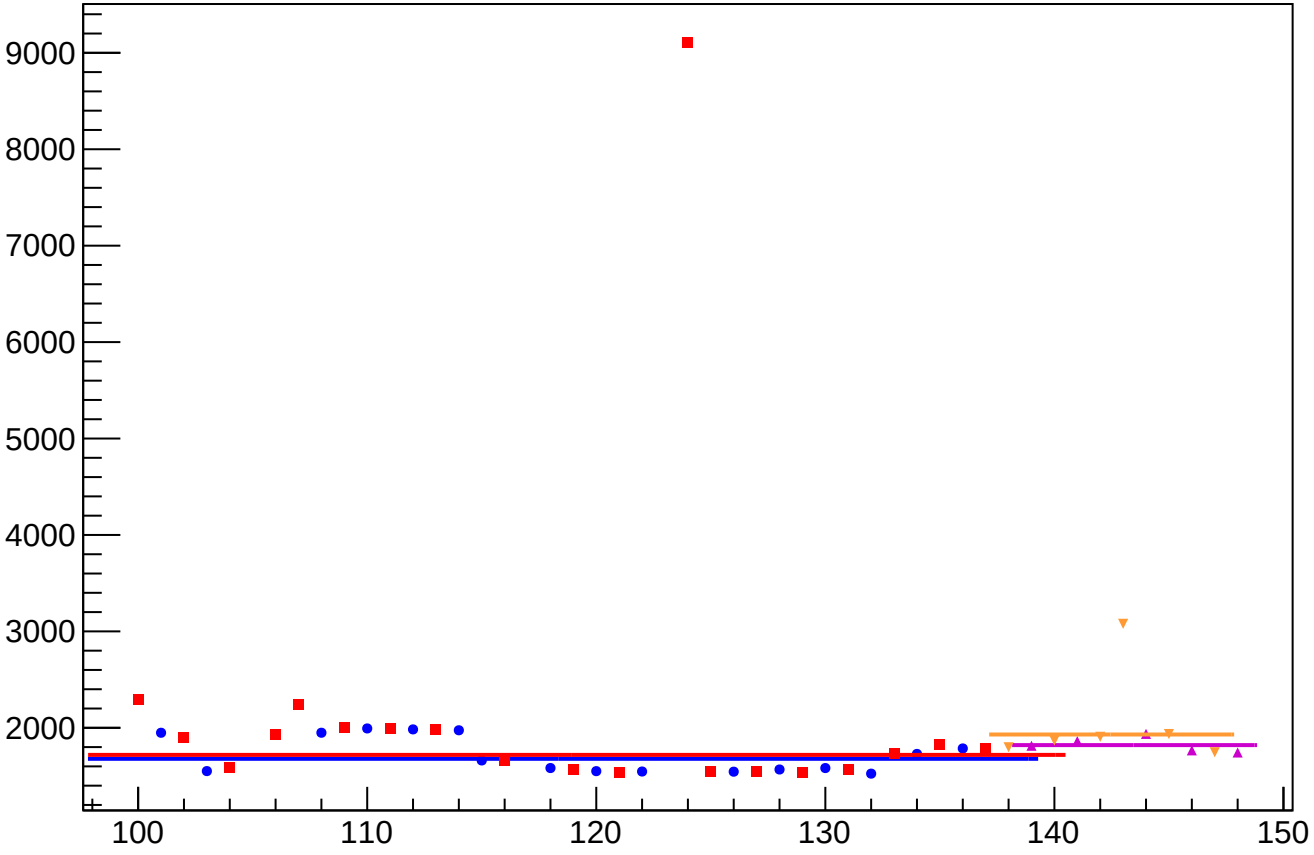
Left In: -1946.621+/-871.216 χ^2/NDF:9.2/4

+ sign 1985.306+/-518.828 χ^2/NDF: 18.1/21

All: 126.339+/-366.198 χ^2/NDF: 72.4/45

- sign -1719.133+/-516.942 χ^2/NDF: 28.7/23

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

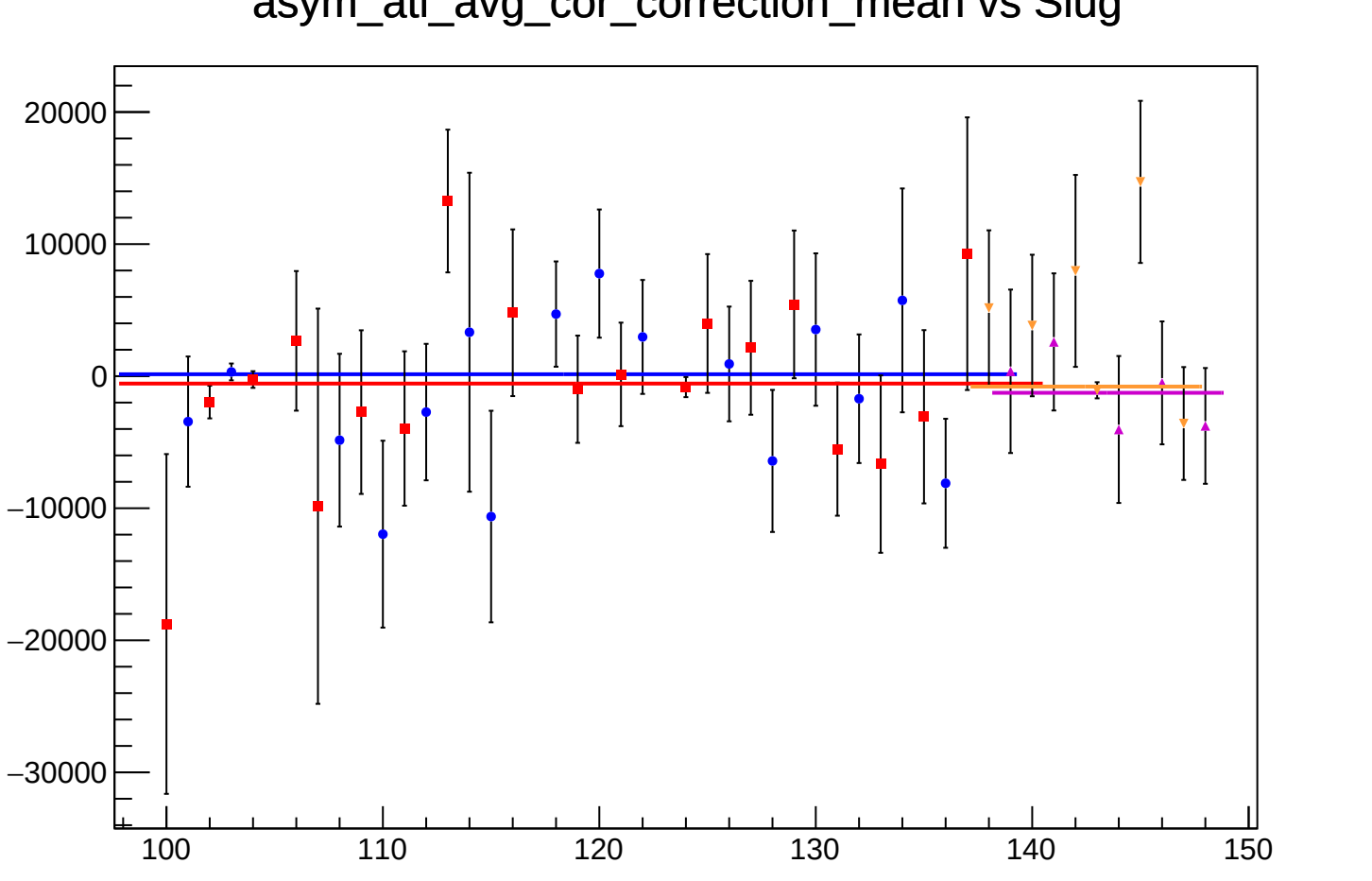
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

+ sign 1758.519+/-0.367 χ^2/NDF: 499623.1/21

All: 1756.581+/-0.259 χ^2/NDF: 914593.0/45

- sign 1754.667+/-0.365 χ^2/NDF: 414914.5/23



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

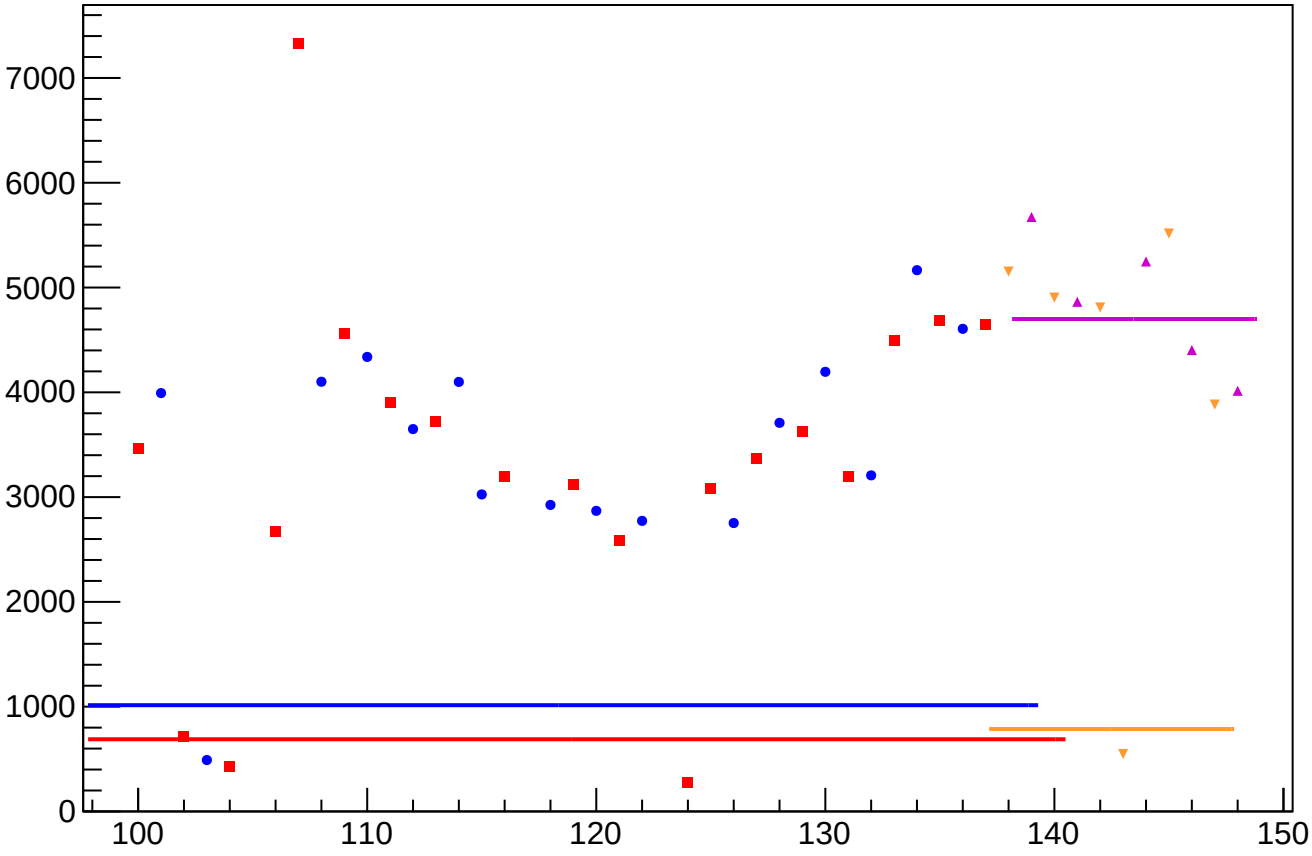
Left In: -1259.889+/-2271.979 χ^2/NDF:1.2/4

+ sign -309.929+/-414.250 χ^2/NDF: 27.3/21

All: -444.891+/-295.995 χ^2/NDF: 46.0/45

- sign -585.675+/-423.089 χ^2/NDF: 18.5/23

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

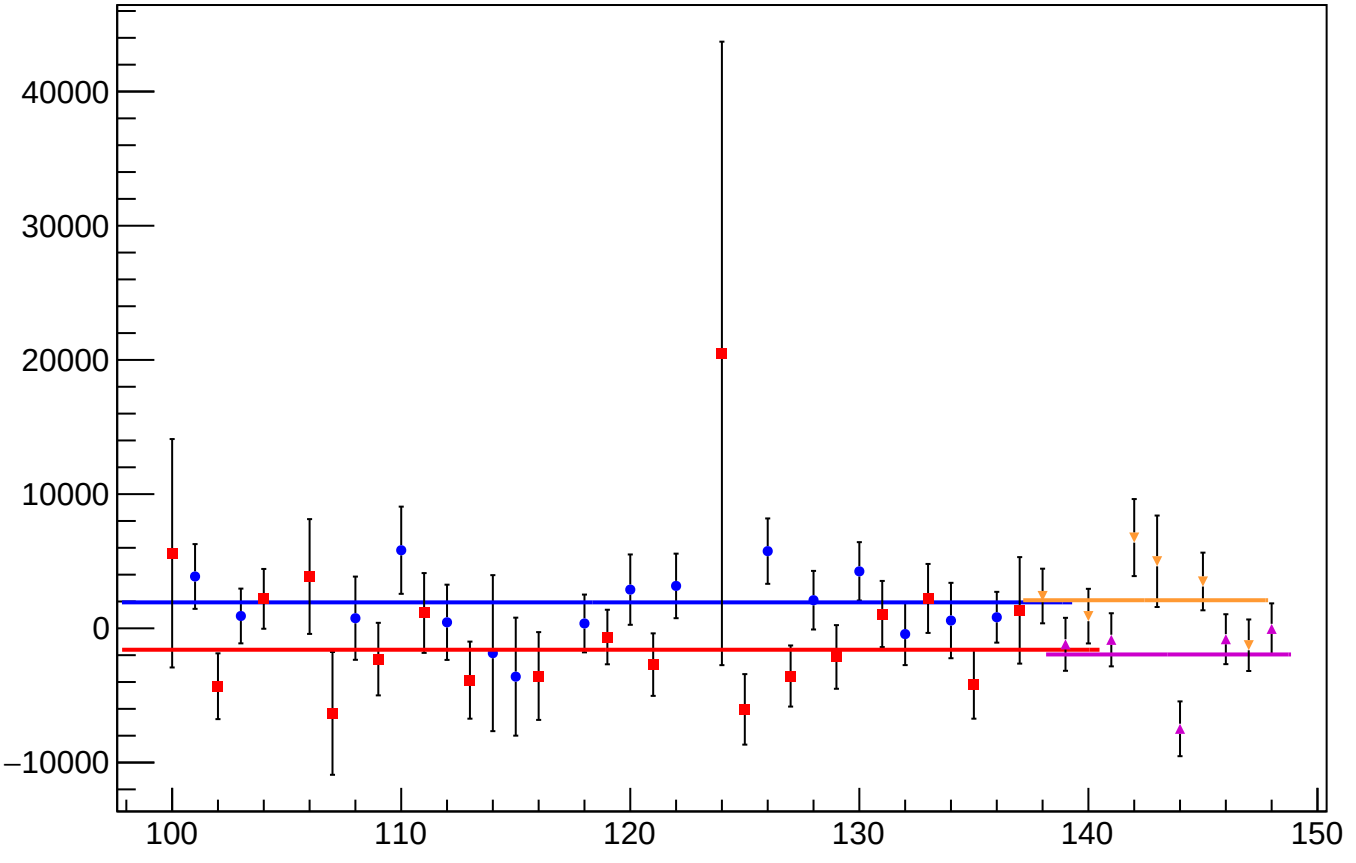
Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

+ sign 902.987+/-0.293 χ^2/NDF: 13808718.1/21

All: 866.347+/-0.209 χ^2/NDF: 28894334.1/45

- sign 828.126+/-0.299 χ^2/NDF: 15053648.1/23

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

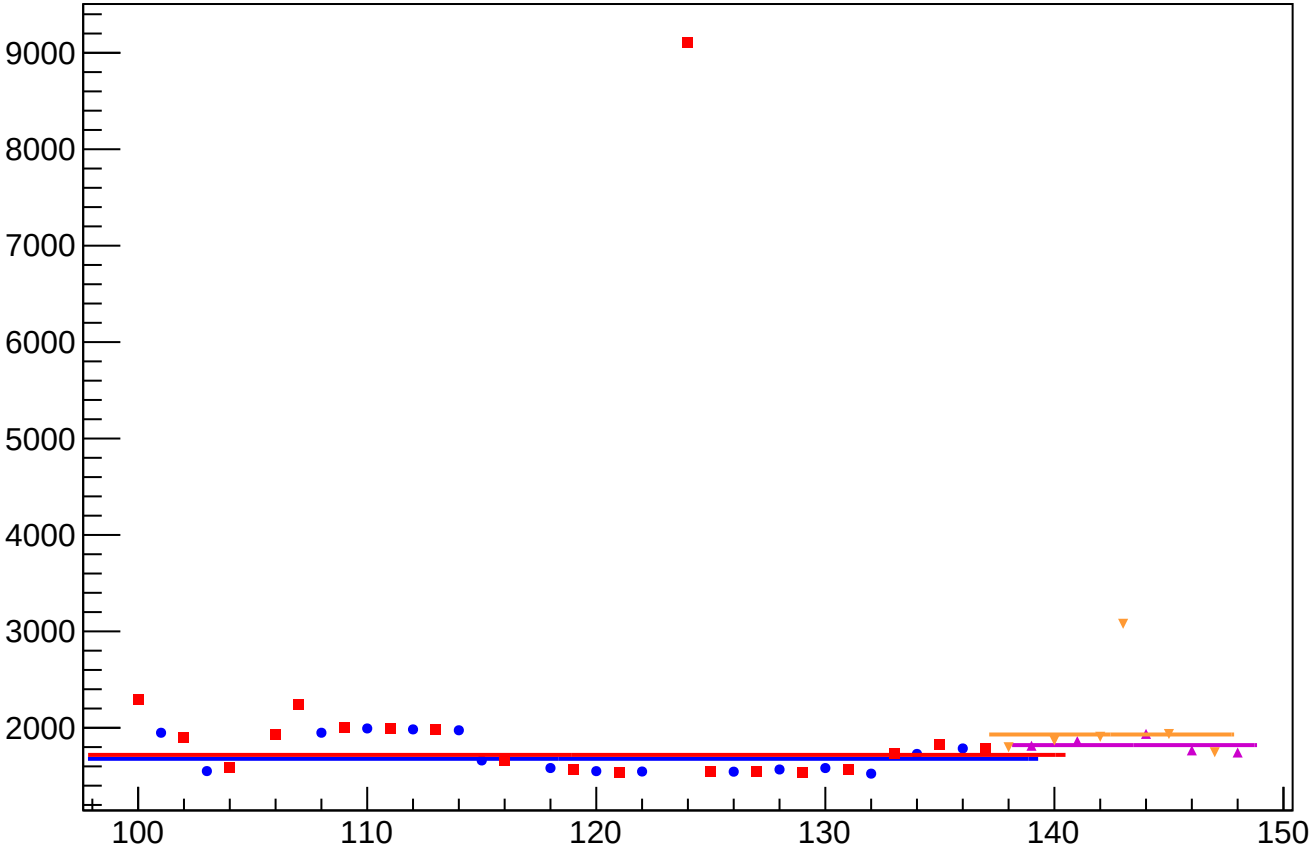
Left In: -1946.621+/-871.216 χ^2/NDF:9.2/4

+ sign 1985.306+/-518.828 χ^2/NDF: 18.1/21

All: 126.339+/-366.198 χ^2/NDF: 72.4/45

- sign -1719.133+/-516.942 χ^2/NDF: 28.7/23

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

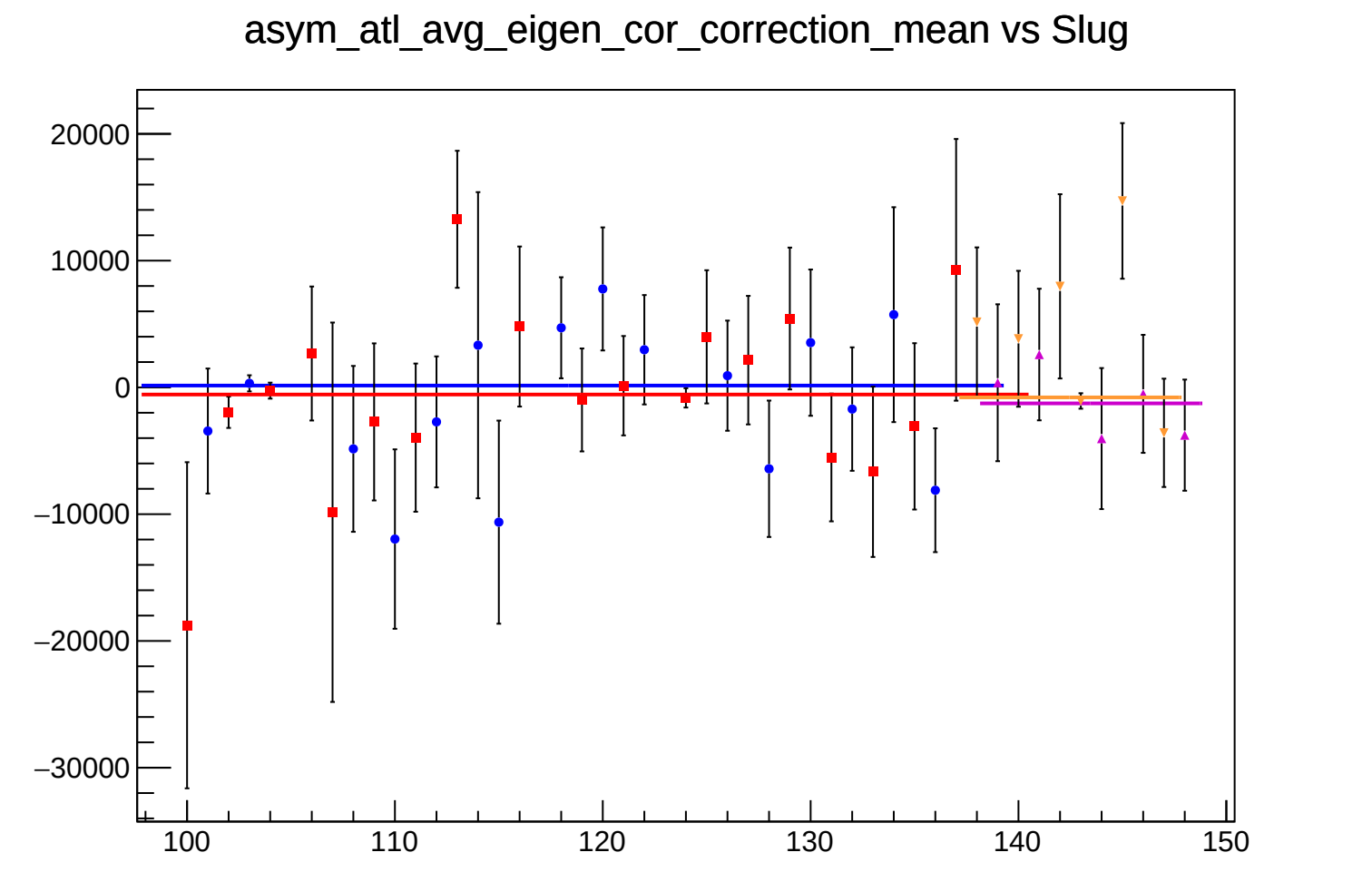
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

+ sign 1758.519+/-0.367 χ^2/NDF: 499623.1/21

All: 1756.581+/-0.259 χ^2/NDF: 914593.0/45

- sign 1754.667+/-0.365 χ^2/NDF: 414914.5/23



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

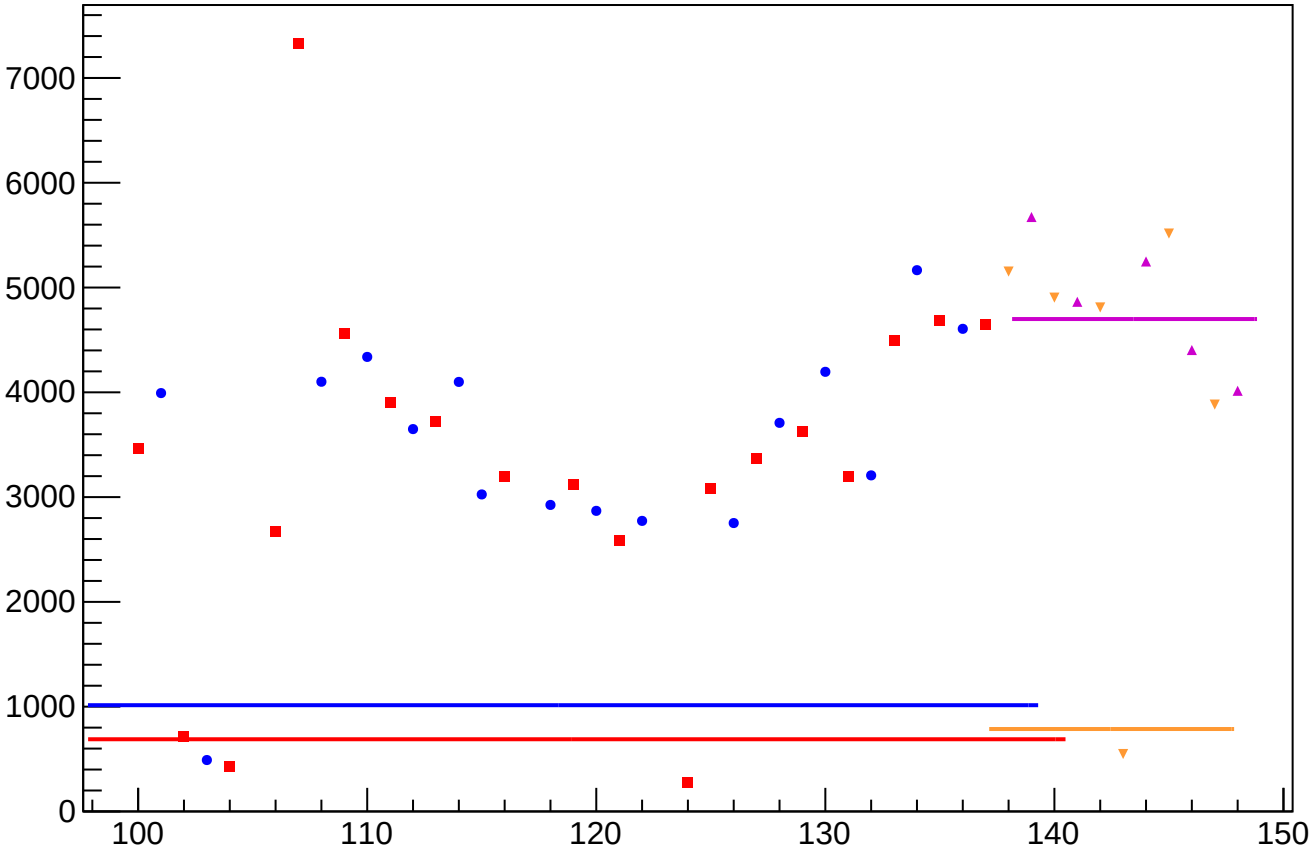
Left In: -1259.889+/-2271.979 χ^2/NDF:1.2/4

+ sign -309.929+/-414.250 χ^2/NDF: 27.3/21

All: -444.891+/-295.995 χ^2/NDF: 46.0/45

- sign -585.675+/-423.089 χ^2/NDF: 18.5/23

asym_atl_avg_eigen_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

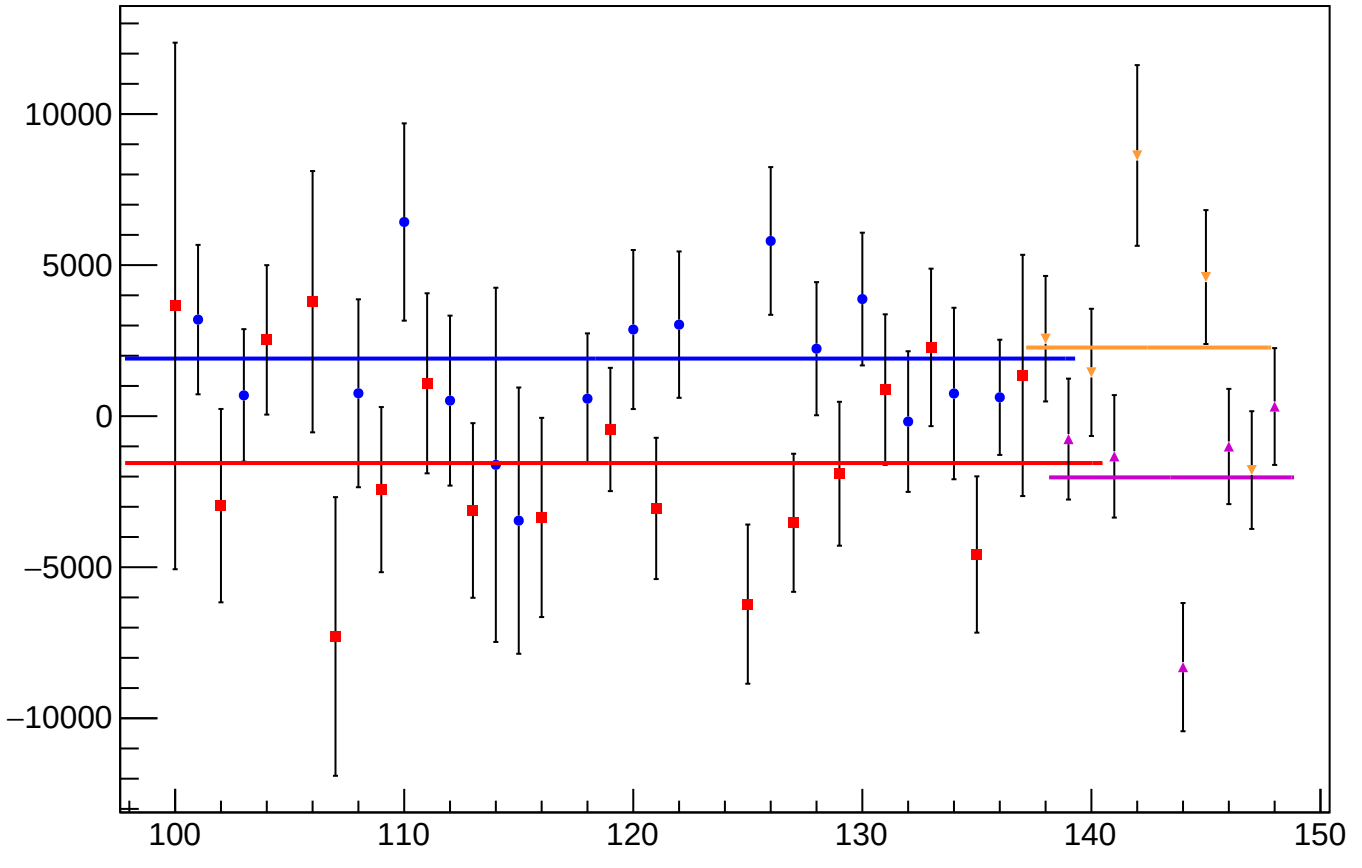
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

+ sign 902.987+/-0.293 χ^2/NDF: 13808718.1/21

All: 866.347+/-0.209 χ^2/NDF: 28894334.1/45

- sign 828.126+/-0.299 χ^2/NDF: 15053648.1/23



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

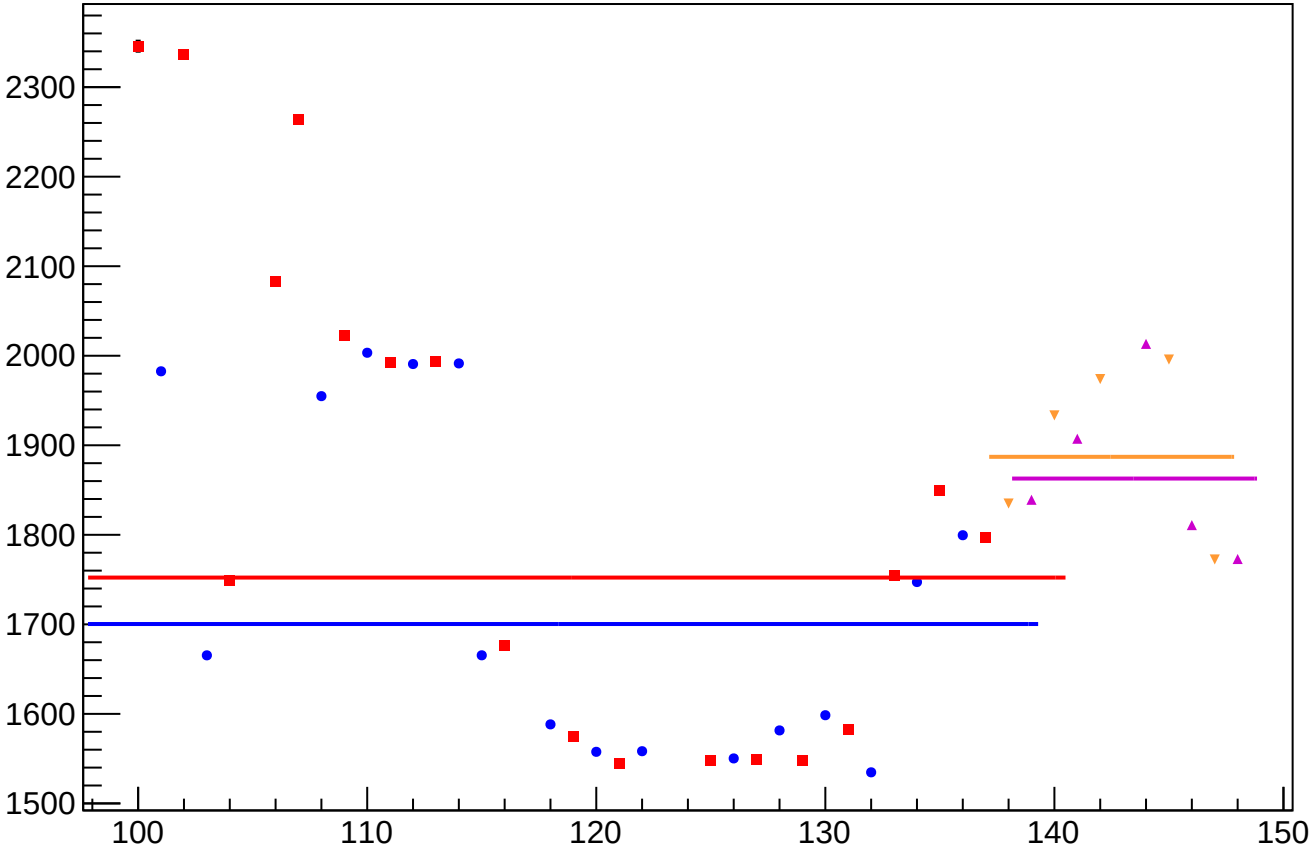
Left In: -2026.811+/-891.765 χ^2/NDF:11.0/4

+ sign 2014.155+/-534.146 χ^2/NDF: 20.5/20

All: 136.380+/-376.601 χ^2/NDF: 73.7/43

- sign -1719.730+/-531.056 χ^2/NDF: 28.7/22

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

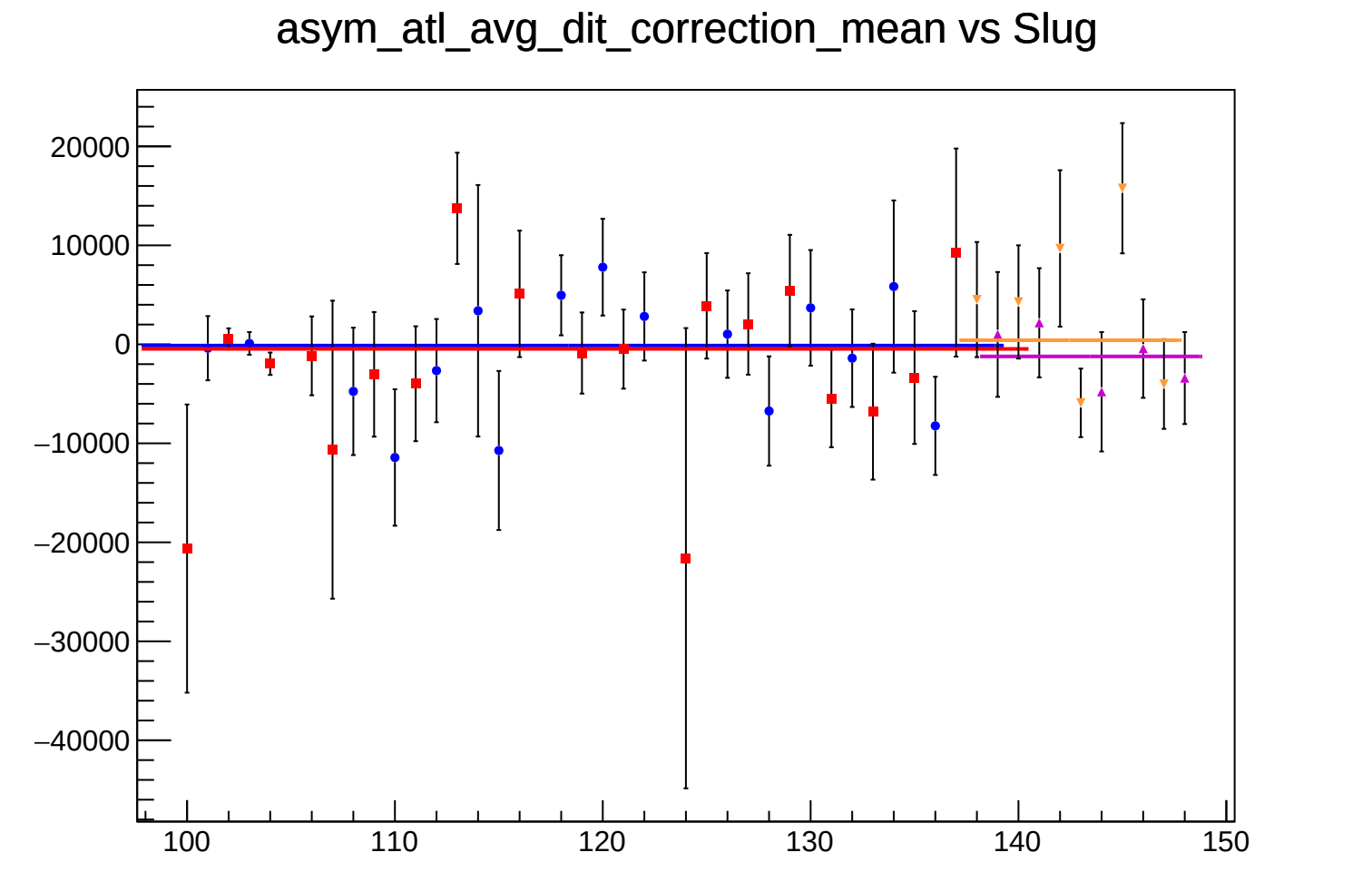
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1862.832+/-0.631 χ^2/NDF:17102.6/4

+ sign 1755.560+/-0.378 χ^2/NDF: 201967.5/20

All: 1773.582+/-0.266 χ^2/NDF: 491426.8/43

- sign 1791.343+/-0.375 χ^2/NDF: 284938.9/22



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

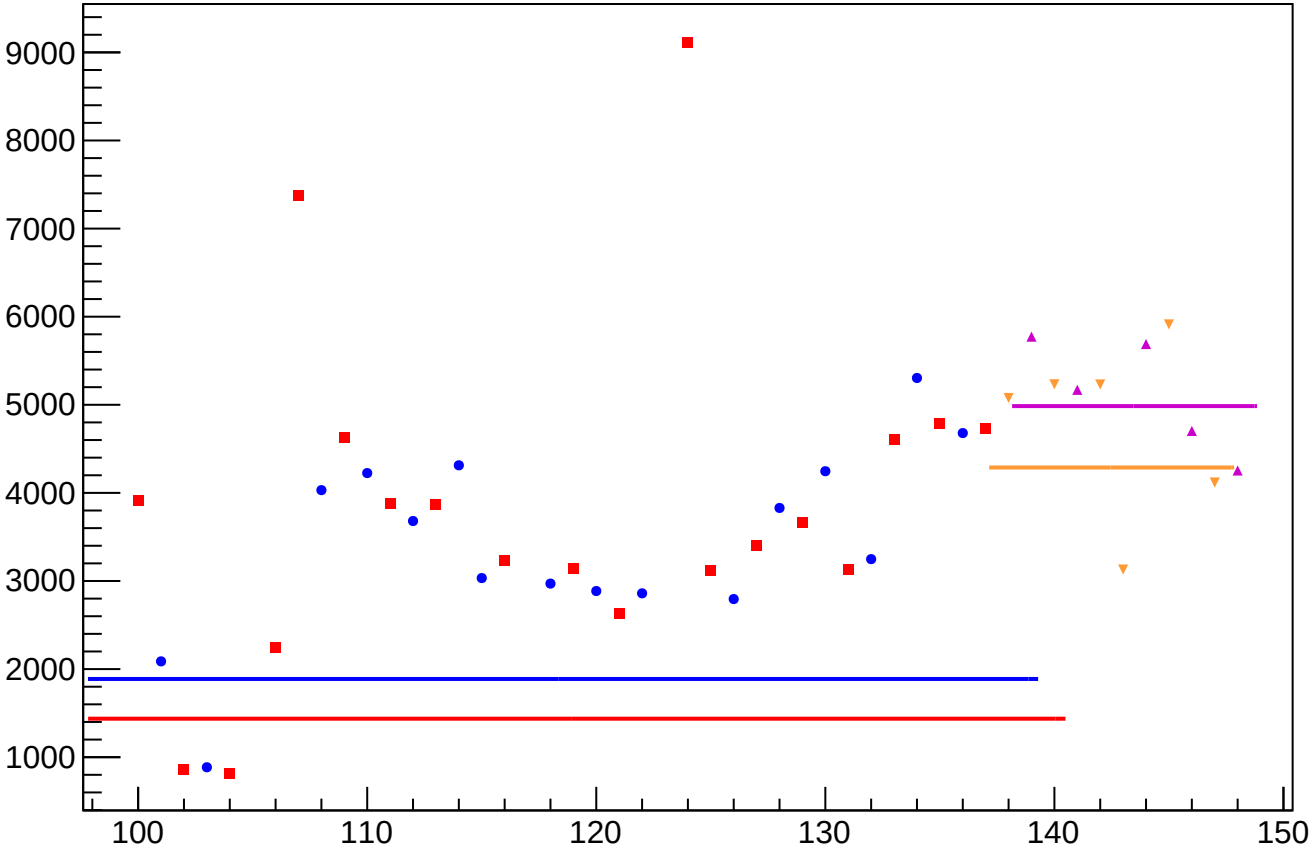
Left In: -1220.773+/-2409.255 χ^2/NDF:1.1/4

+ sign -45.080+/-800.724 χ^2/NDF: 27.2/21

All: -327.355+/-506.372 χ^2/NDF: 47.1/45

- sign -515.477+/-653.681 χ^2/NDF: 19.7/23

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

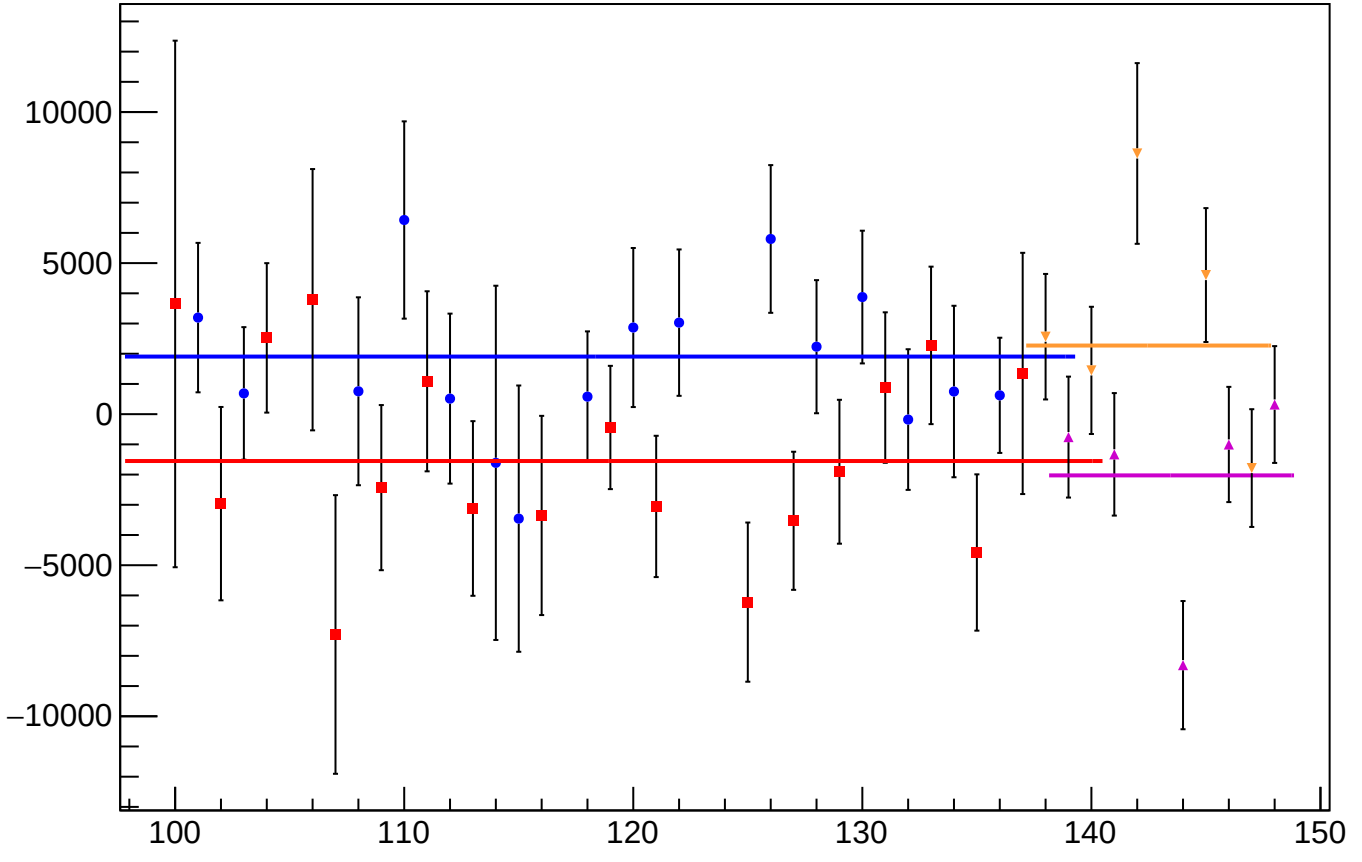
Left In: 4985.111+/-1.704 χ^2/NDF:116803.5/4

+ sign 2243.969+/-0.566 χ^2/NDF: 7163736.4/21

All: 1916.521+/-0.358 χ^2/NDF: 17820227.5/4

- sign 1698.294+/-0.462 χ^2/NDF: 10099125.2/23

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

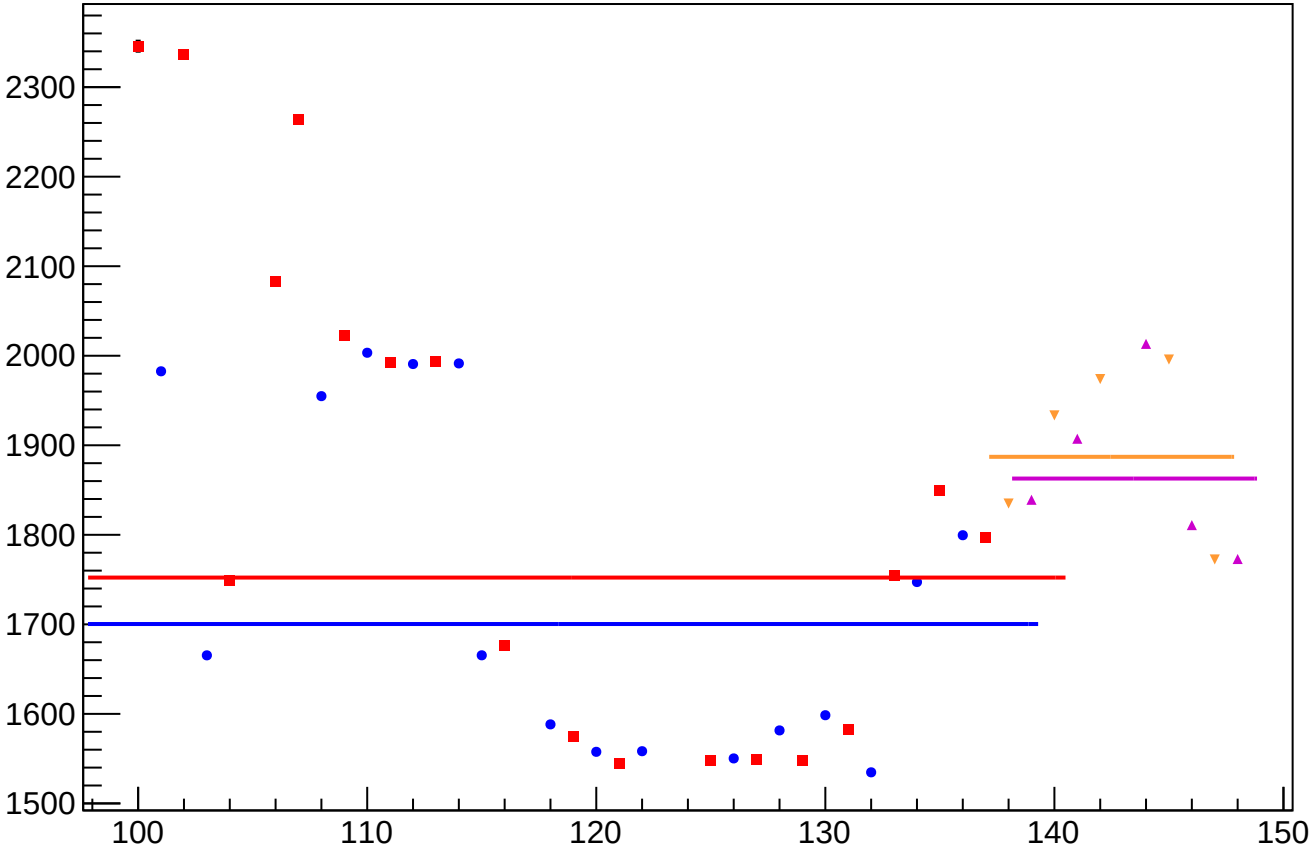
Left In: -2026.811+/-891.765 χ^2/NDF:11.0/4

+ sign 2014.158+/-534.146 χ^2/NDF: 20.5/20

All: 136.382+/-376.601 χ^2/NDF: 73.7/43

- sign -1719.728+/-531.056 χ^2/NDF: 28.7/22

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

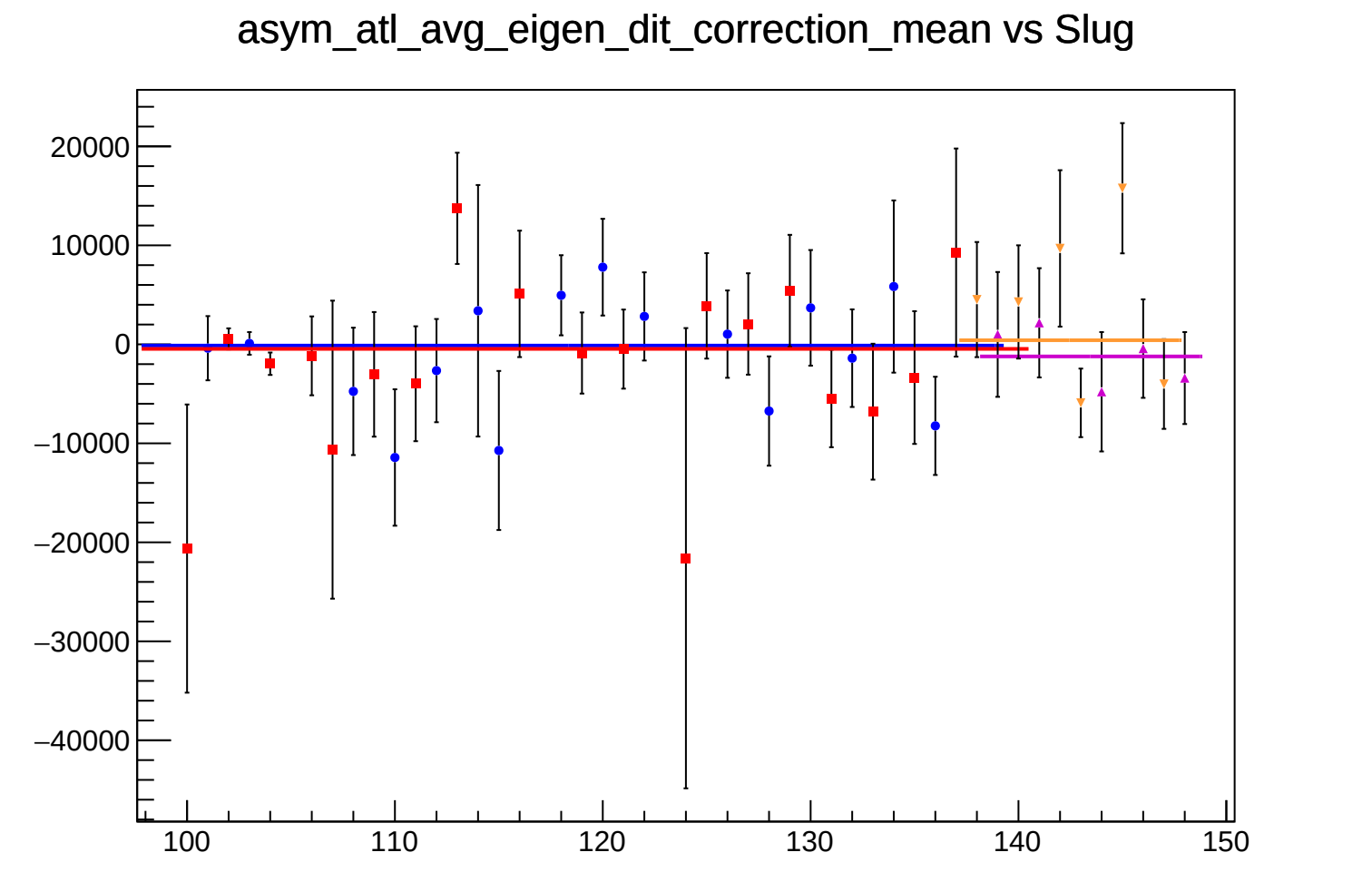
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1862.833+/-0.631 χ^2/NDF:17102.9/4

+ sign 1755.561+/-0.378 χ^2/NDF: 201968.8/20

All: 1773.582+/-0.266 χ^2/NDF: 491428.5/43

- sign 1791.343+/-0.375 χ^2/NDF: 284939.3/22



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

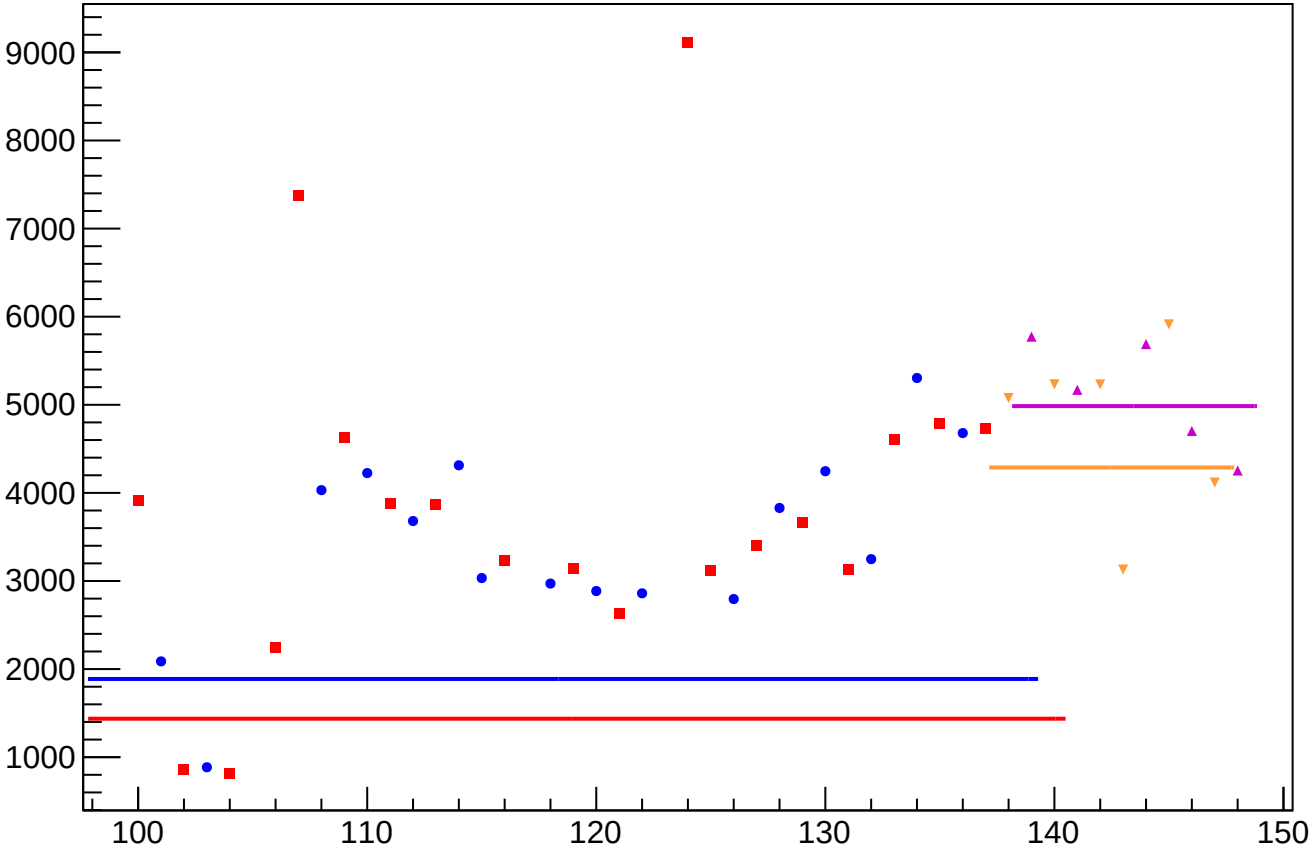
Left In: -1220.773+/-2409.259 χ^2/NDF:1.1/4

+ sign -45.079+/-800.719 χ^2/NDF: 27.2/21

All: -327.354+/-506.369 χ^2/NDF: 47.1/45

- sign -515.475+/-653.676 χ^2/NDF: 19.7/23

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

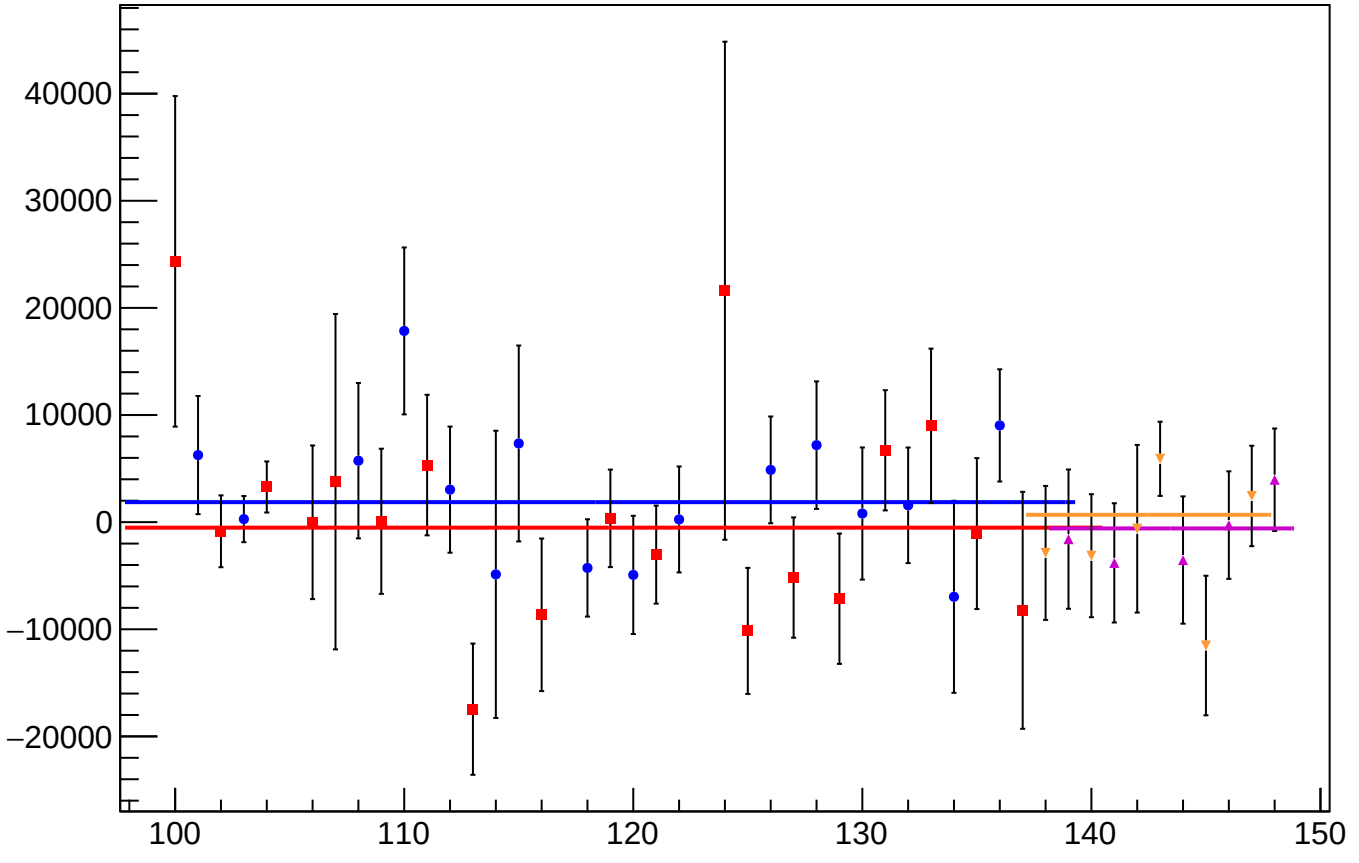
Left In: 4985.117+/-1.704 χ^2/NDF:116805.5/4

+ sign 2243.951+/-0.566 χ^2/NDF: 7163816.3/21

All: 1916.504+/-0.358 χ^2/NDF: 17820386.4/4

- sign 1698.278+/-0.462 χ^2/NDF: 10099201.3/23

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

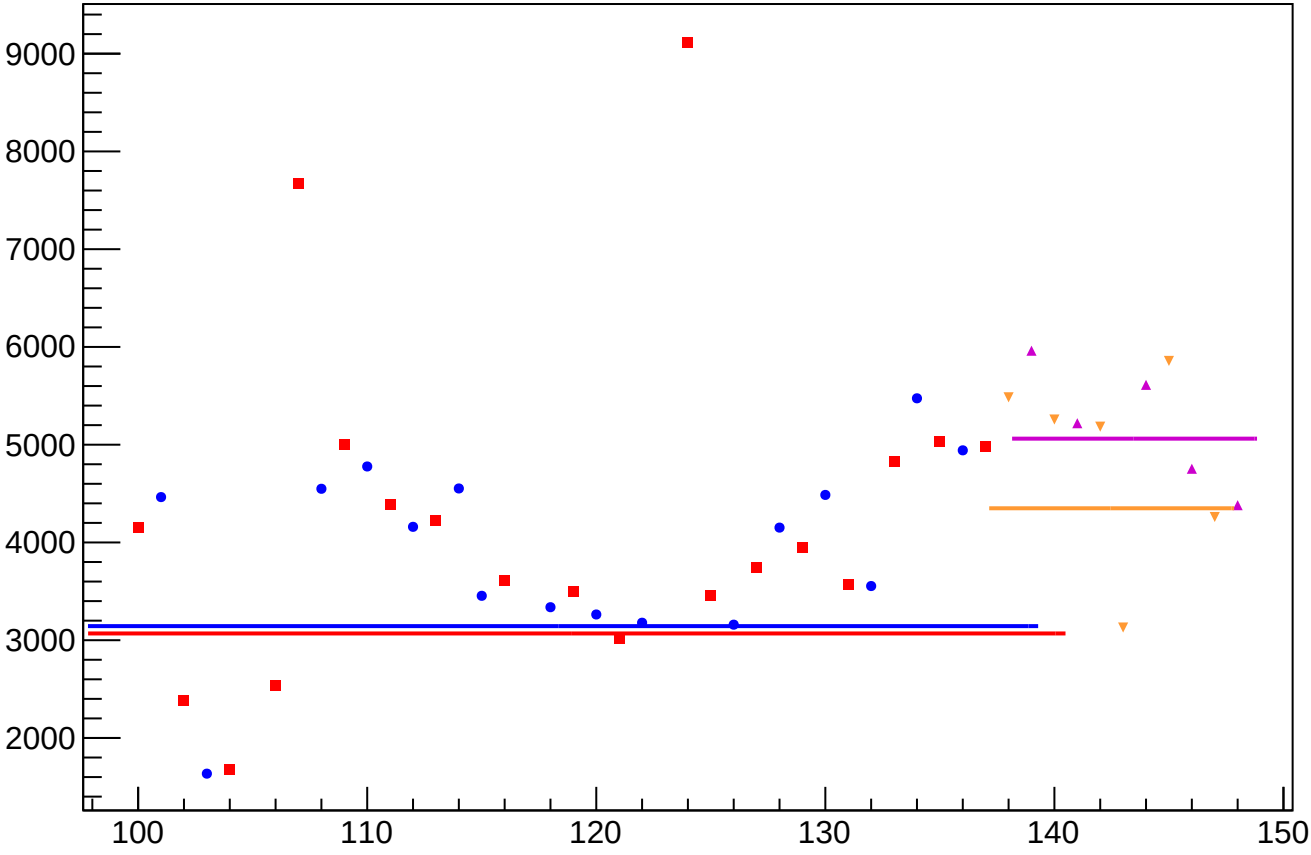
Left In: -585.441+/-2441.958 χ^2/NDF:1.5/4

+ sign 1556.219+/-1081.261 χ^2/NDF: 20.8/21

All: 538.578+/-773.403 χ^2/NDF: 48.8/45

- sign -527.504+/-1106.696 χ^2/NDF: 26.2/23

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

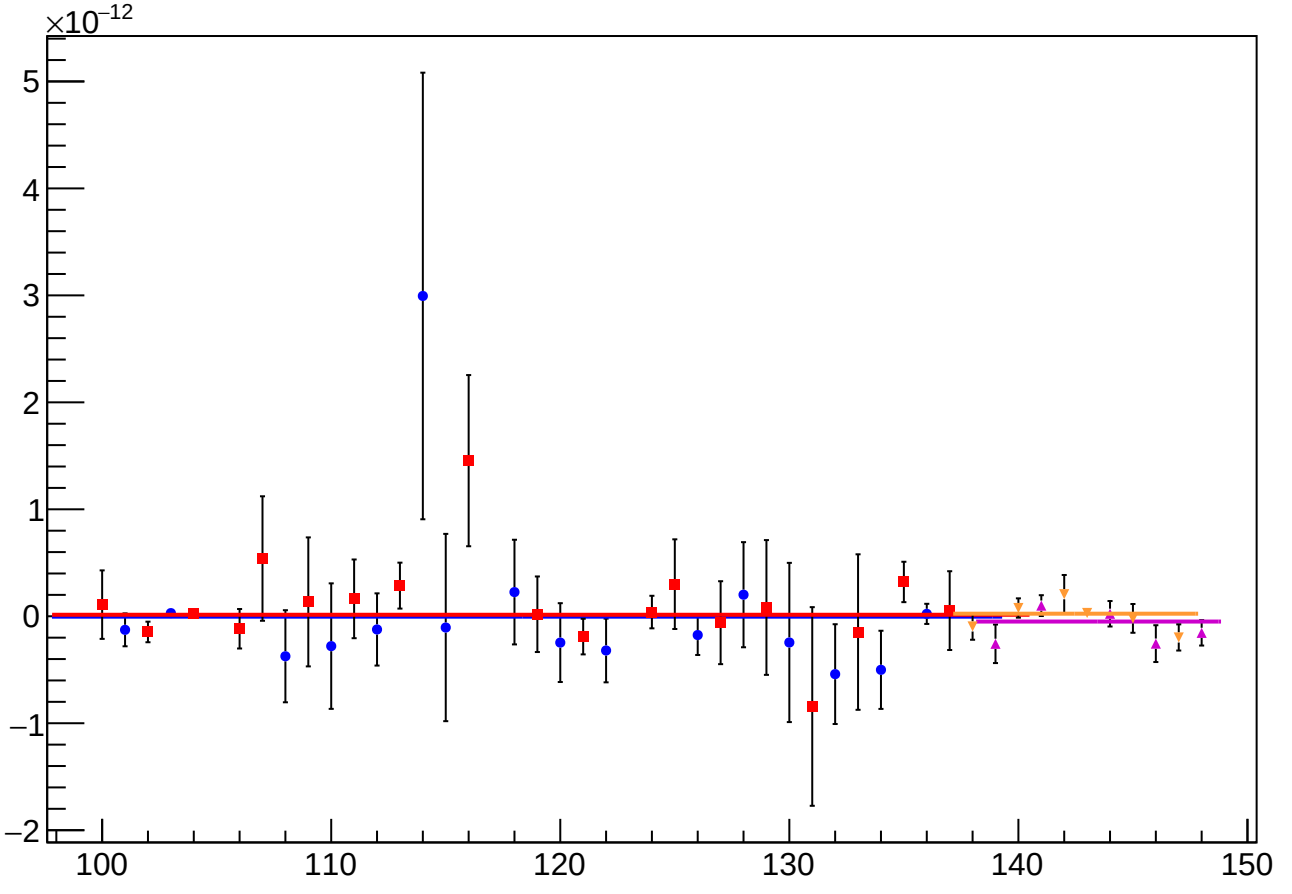
Left In: 5061.881+/-1.727 χ^2/NDF:105128.7/4

+ sign 3460.734+/-0.765 χ^2/NDF: 2859023.7/21

All: 3464.465+/-0.544 χ^2/NDF: 5910954.3/45

- sign 3468.276+/-0.773 χ^2/NDF: 3051882.5/23

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

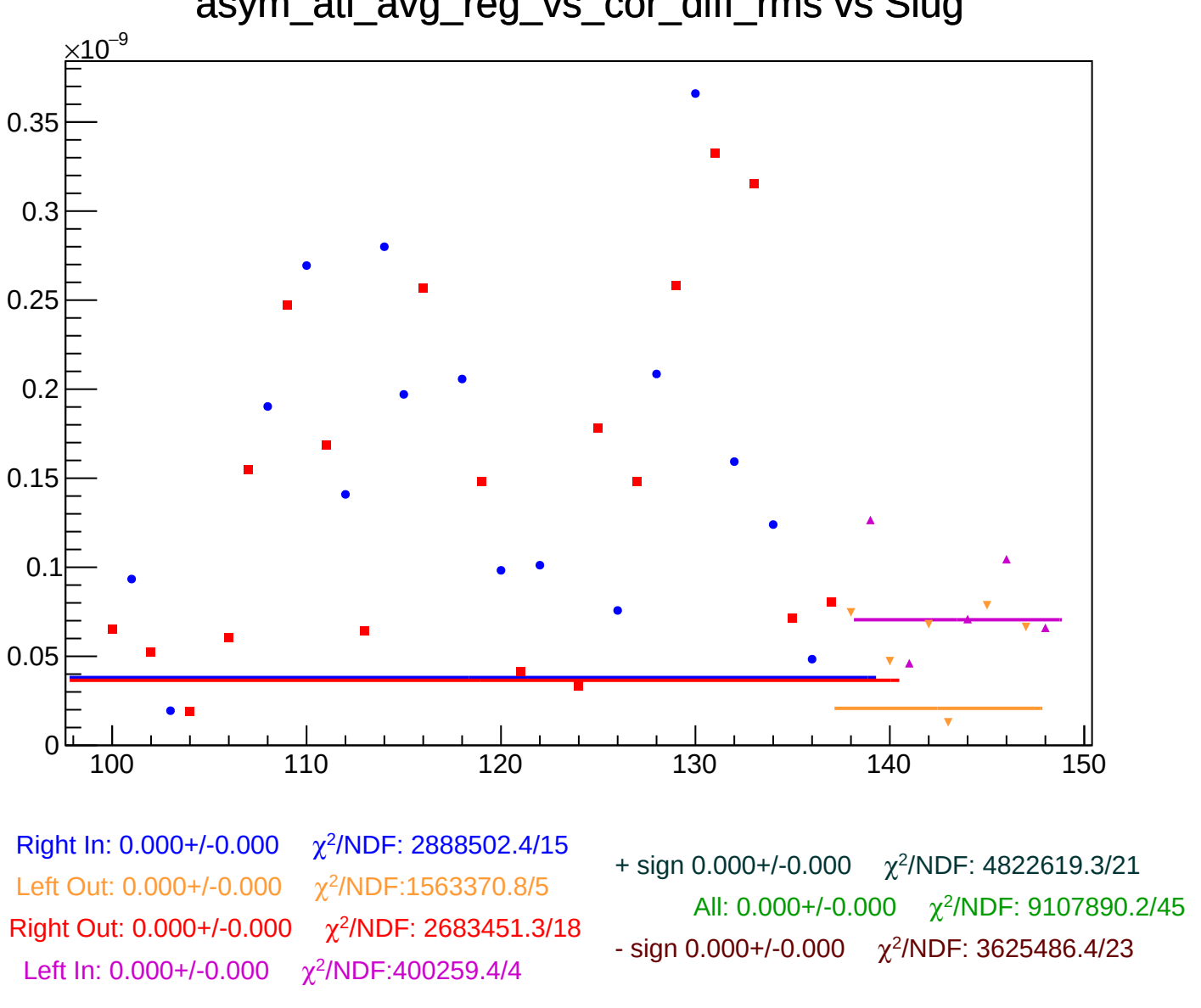
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

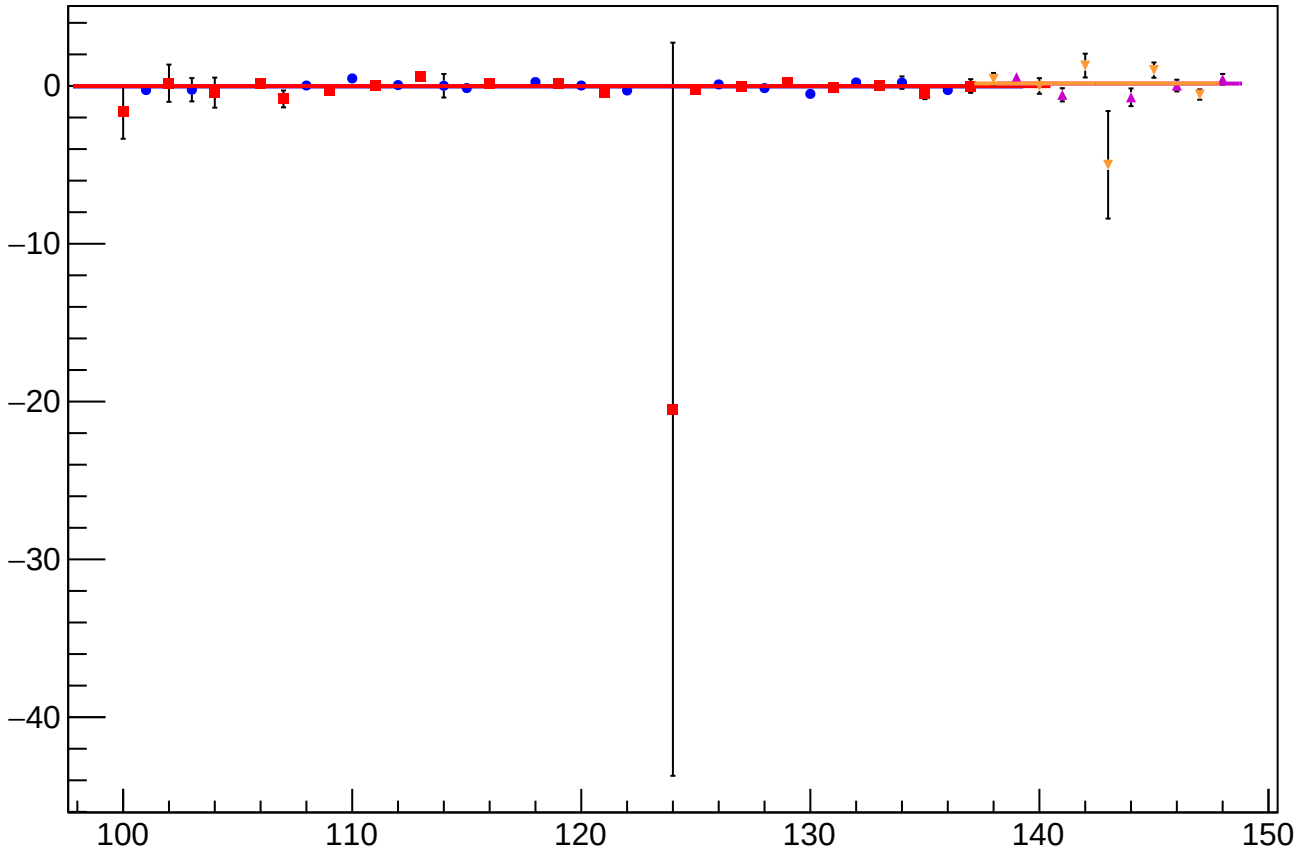
Left In: -0.000+/-0.000 χ^2/NDF:6.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.9/21

All: 0.000+/-0.000 χ^2/NDF: 39.3/45

- sign -0.000+/-0.000 χ^2/NDF: 22.1/23


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1563370.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:400259.4/4
+ sign 0.000+/-0.000 χ²/NDF: 4822619.3/21
All: 0.000+/-0.000 χ²/NDF: 9107890.2/45
- sign 0.000+/-0.000 χ²/NDF: 3625486.4/23



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

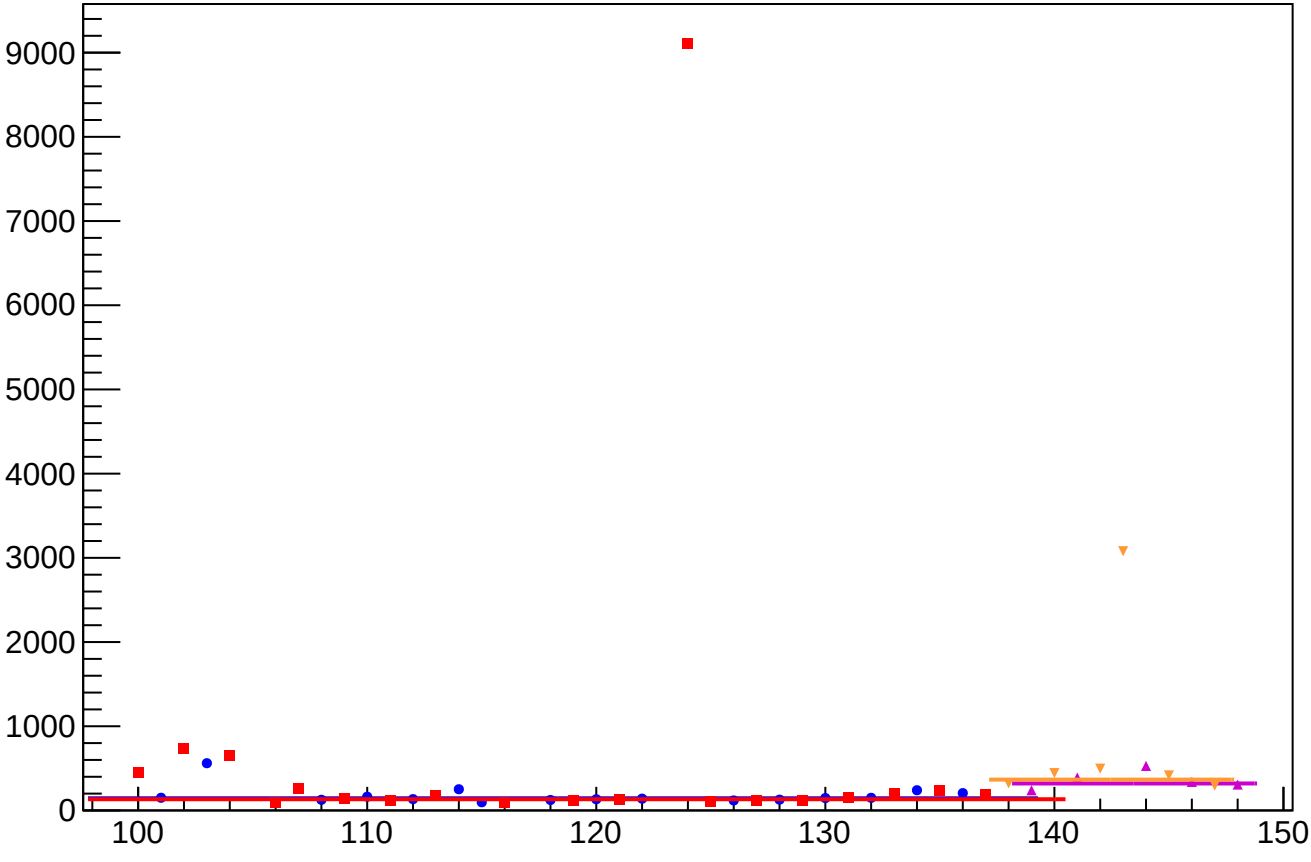
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.003+/-0.038 χ^2/NDF: 62.0/45

- sign 0.007+/-0.053 χ^2/NDF: 30.8/23

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

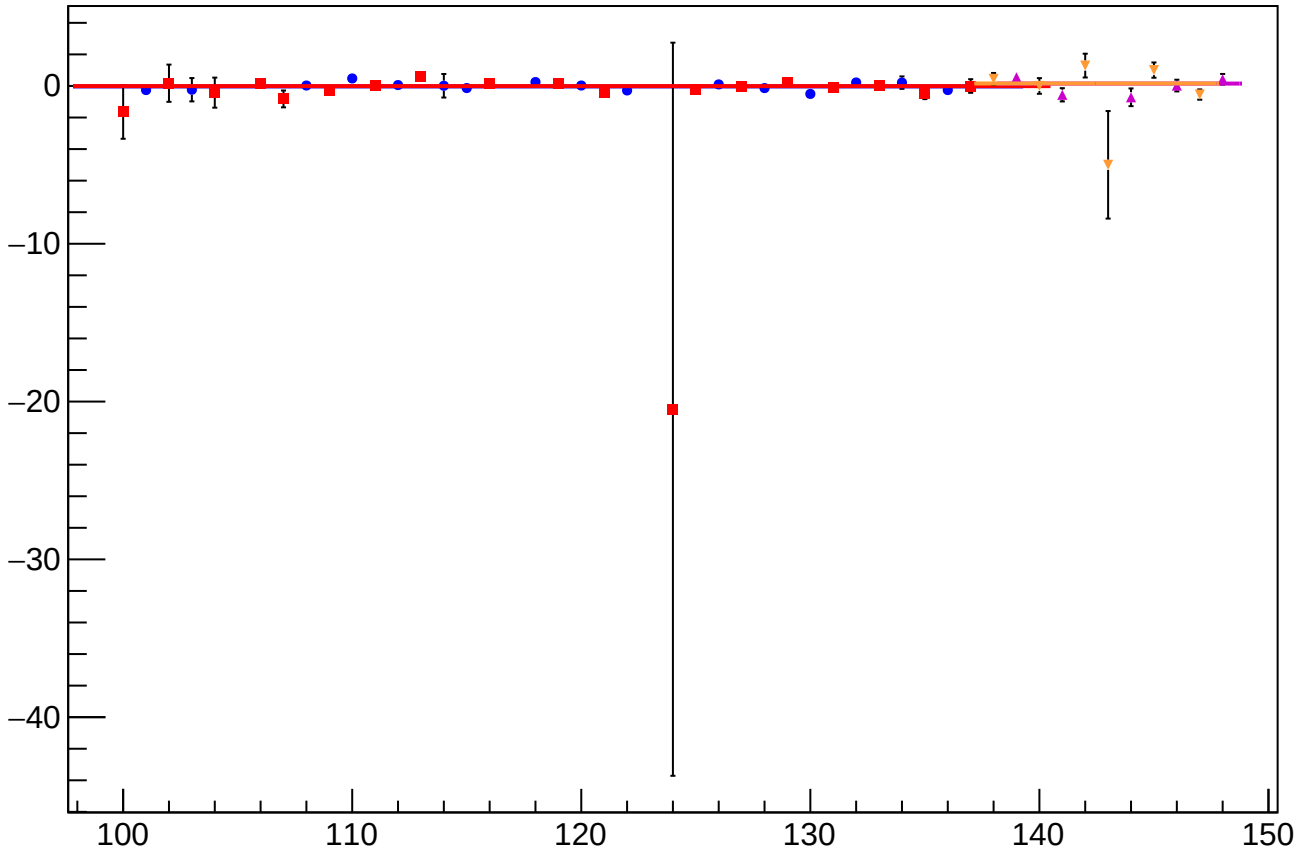
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

+ sign 162.515+/-0.039 χ^2/NDF: 5070110.6/21

All: 157.922+/-0.027 χ^2/NDF: 10225307.8/45

- sign 153.664+/-0.038 χ^2/NDF: 5128707.2/23



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

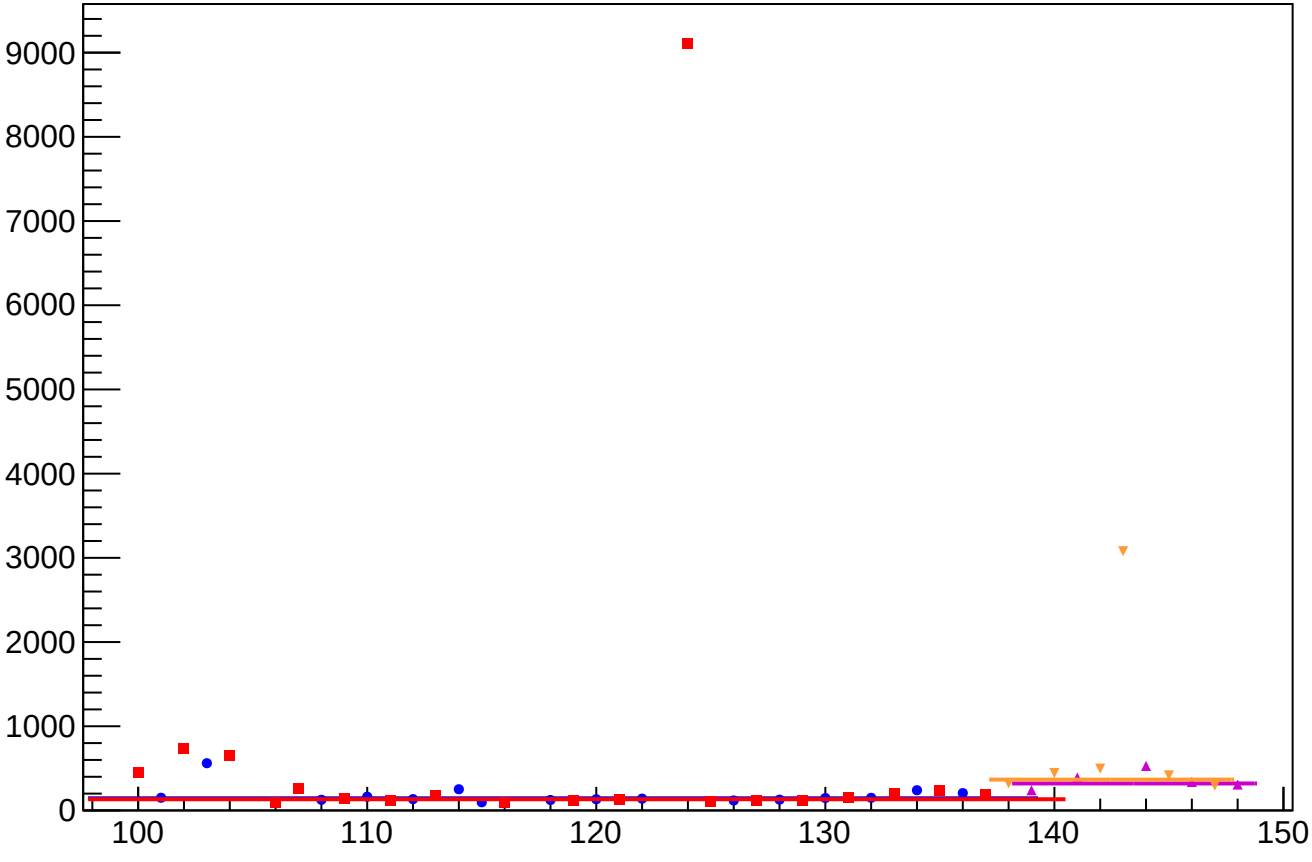
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.003+/-0.038 χ^2/NDF: 62.0/45

- sign 0.007+/-0.053 χ^2/NDF: 30.8/23

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

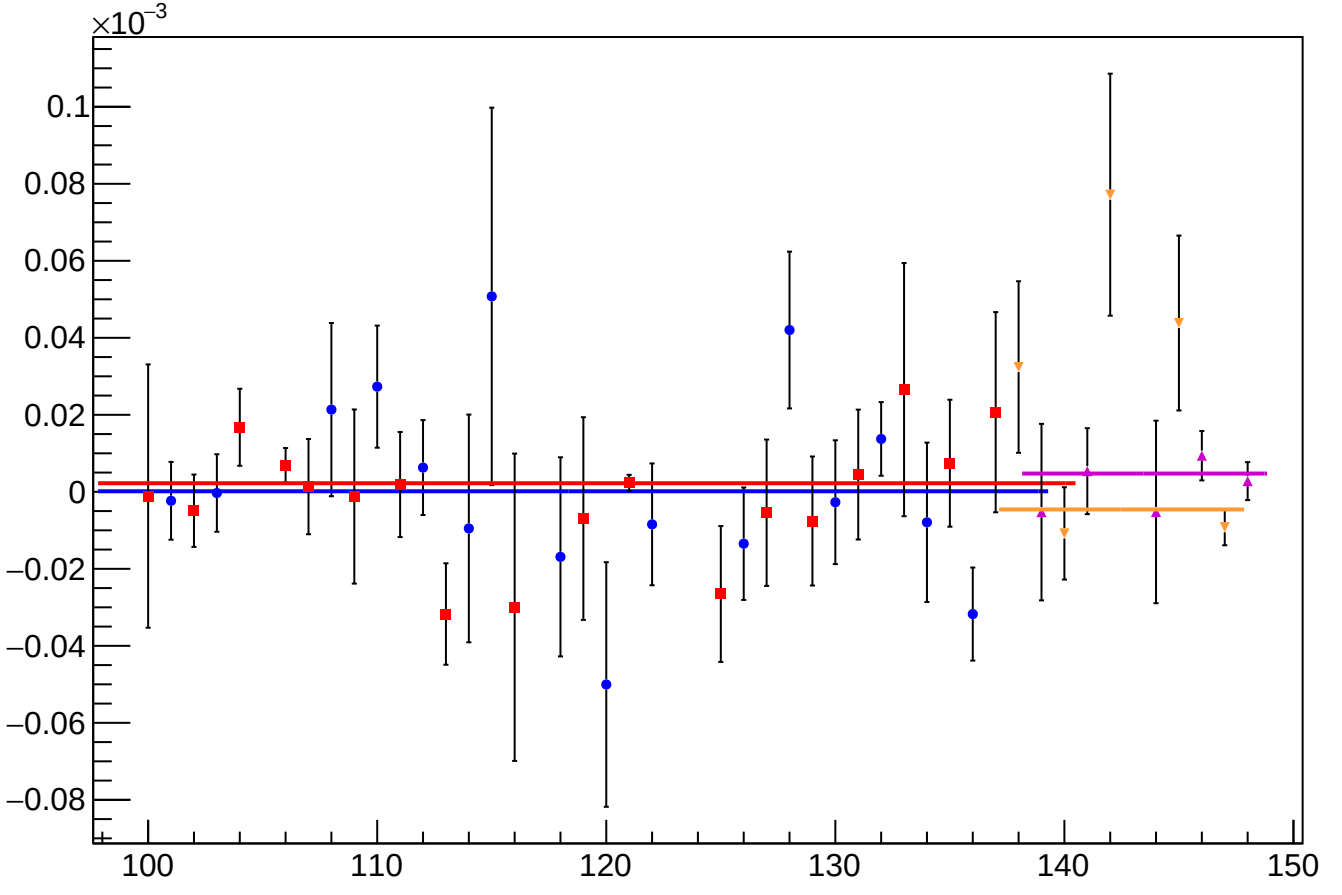
Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

+ sign 162.515+/-0.039 χ^2/NDF: 5070110.6/21

All: 157.922+/-0.027 χ^2/NDF: 10225307.8/45

- sign 153.664+/-0.038 χ^2/NDF: 5128707.2/23

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

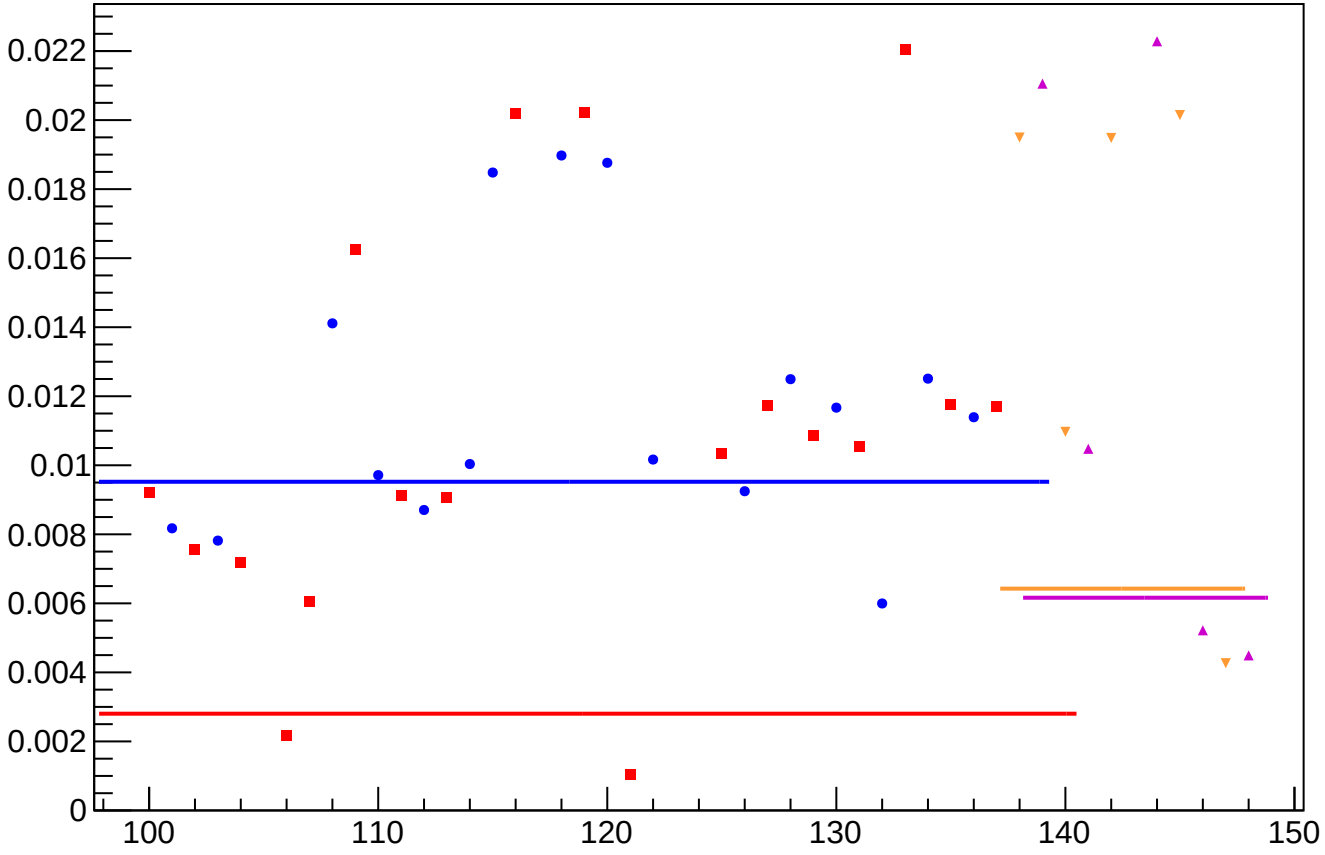
Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/20

All: 0.000+/-0.000 χ^2/NDF: 58.0/43

- sign 0.000+/-0.000 χ^2/NDF: 17.0/22

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

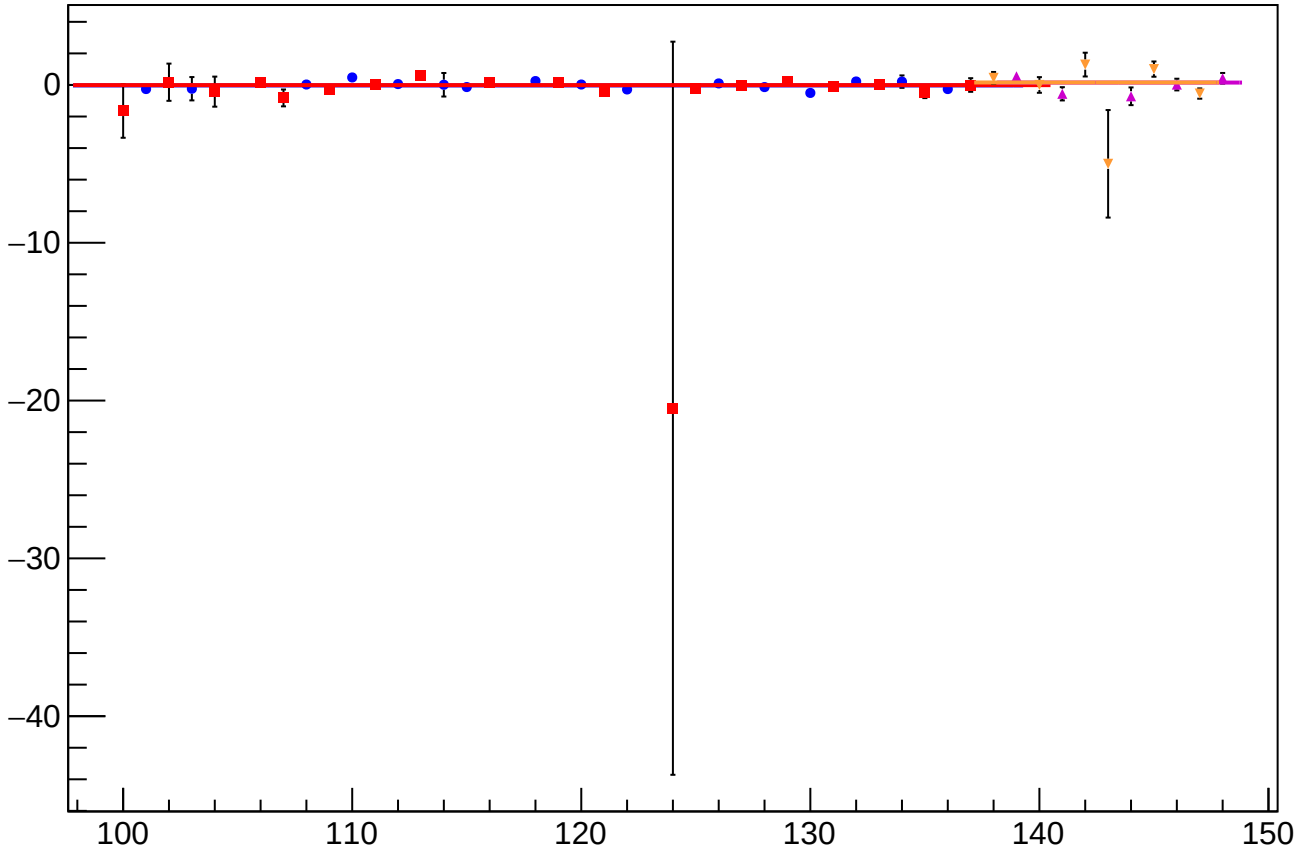
Left In: 0.006+/-0.000 χ^2/NDF:2341605.8/4

+ sign 0.008+/-0.000 χ^2/NDF: 4213474.4/20

All: 0.005+/-0.000 χ^2/NDF: 20909545.4/43

- sign 0.003+/-0.000 χ^2/NDF: 12328491.7/22

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

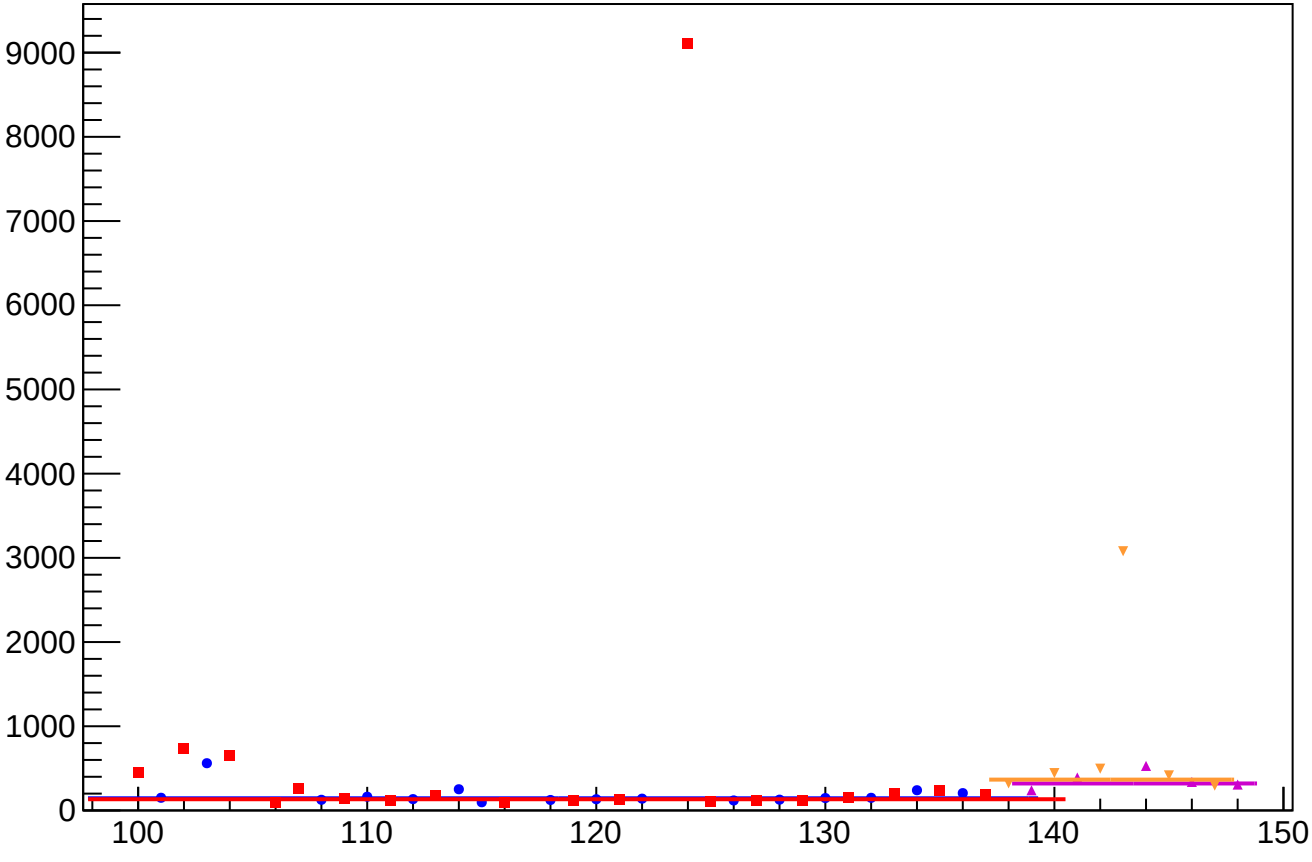
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.003+/-0.038 χ^2/NDF: 62.0/45

- sign 0.007+/-0.053 χ^2/NDF: 30.8/23

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

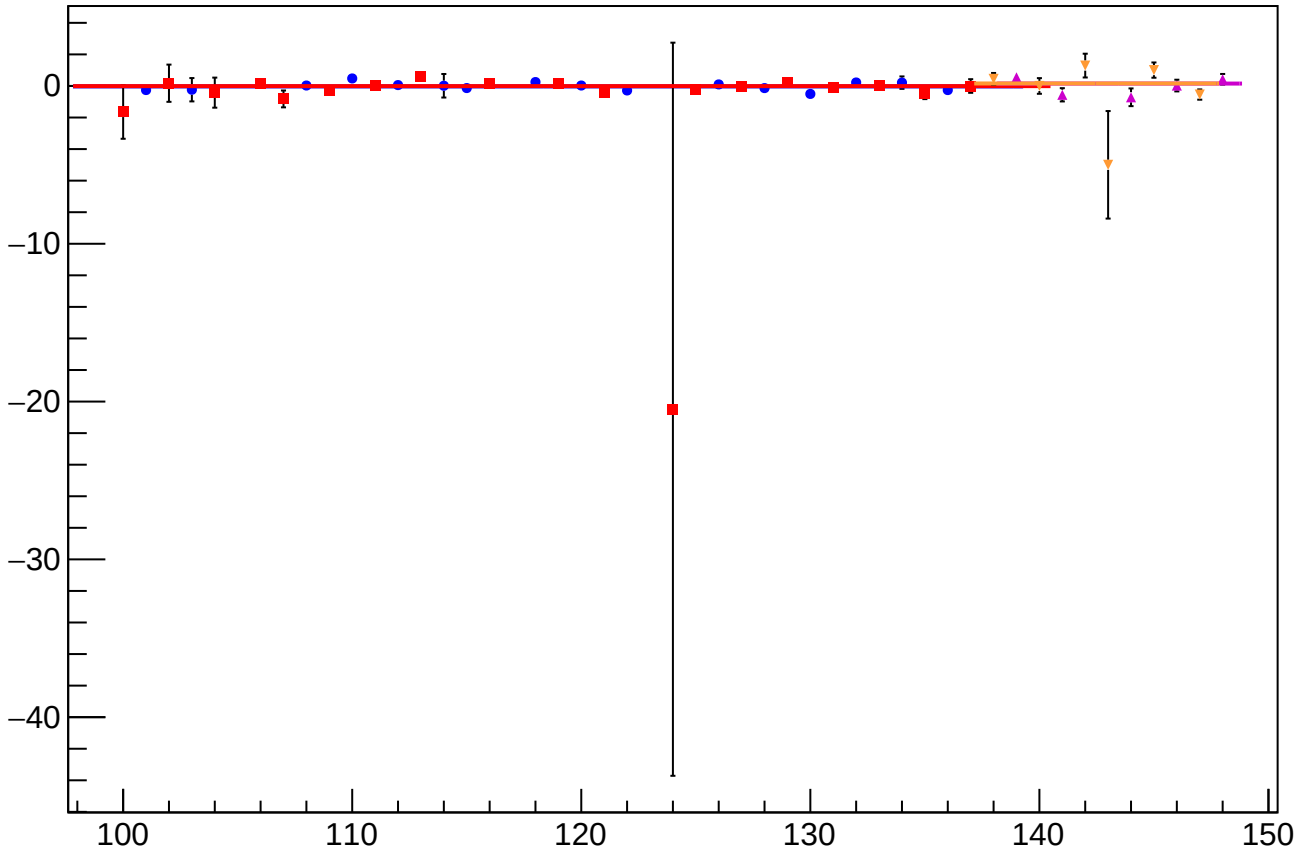
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

+ sign 162.514+/-0.039 χ^2/NDF: 5070217.4/21

All: 157.921+/-0.027 χ^2/NDF: 10225434.0/45

- sign 153.663+/-0.038 χ^2/NDF: 5128731.7/23



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

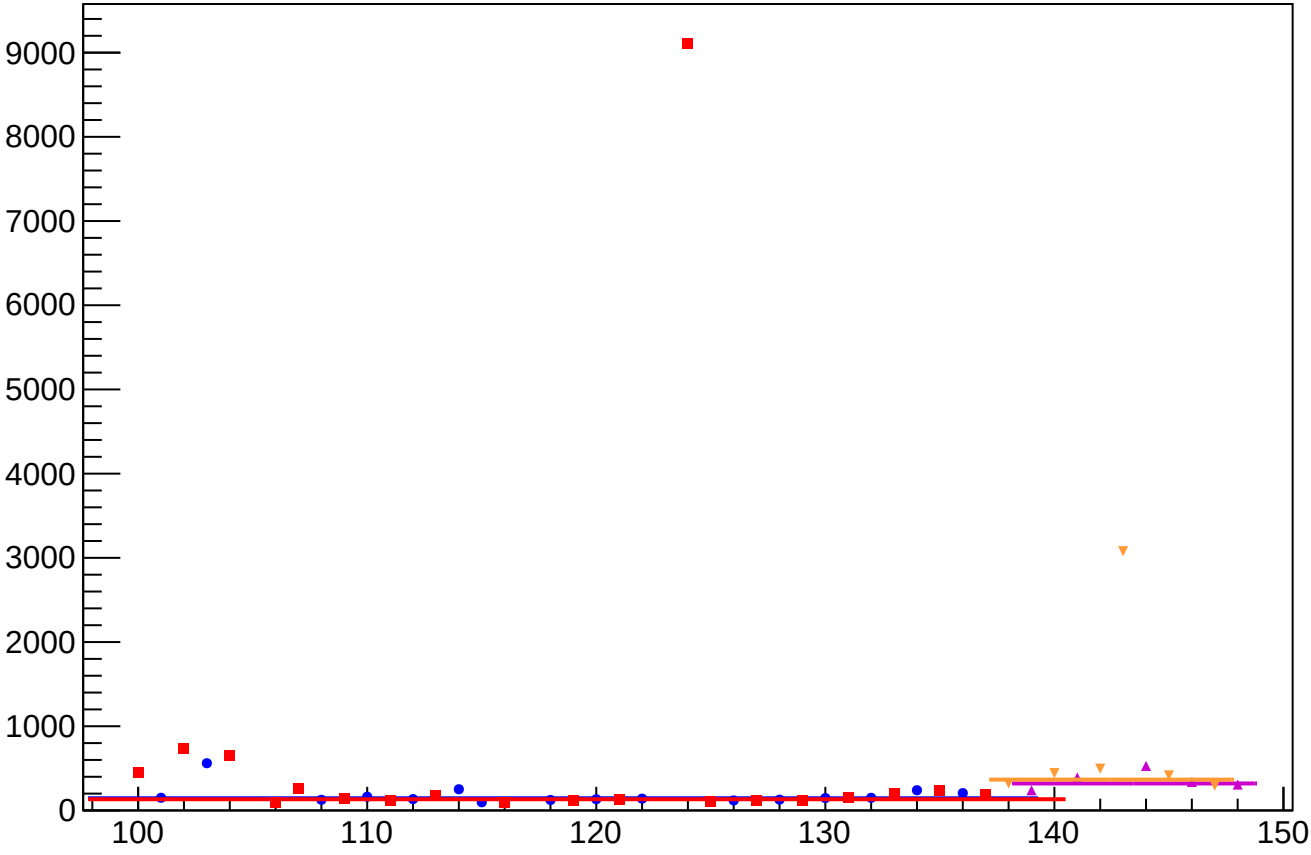
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.013+/-0.055 χ^2/NDF: 31.1/21

All: -0.003+/-0.038 χ^2/NDF: 62.0/45

- sign 0.007+/-0.053 χ^2/NDF: 30.8/23

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 366.284+/-0.137 χ^2/NDF:1521680.7/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

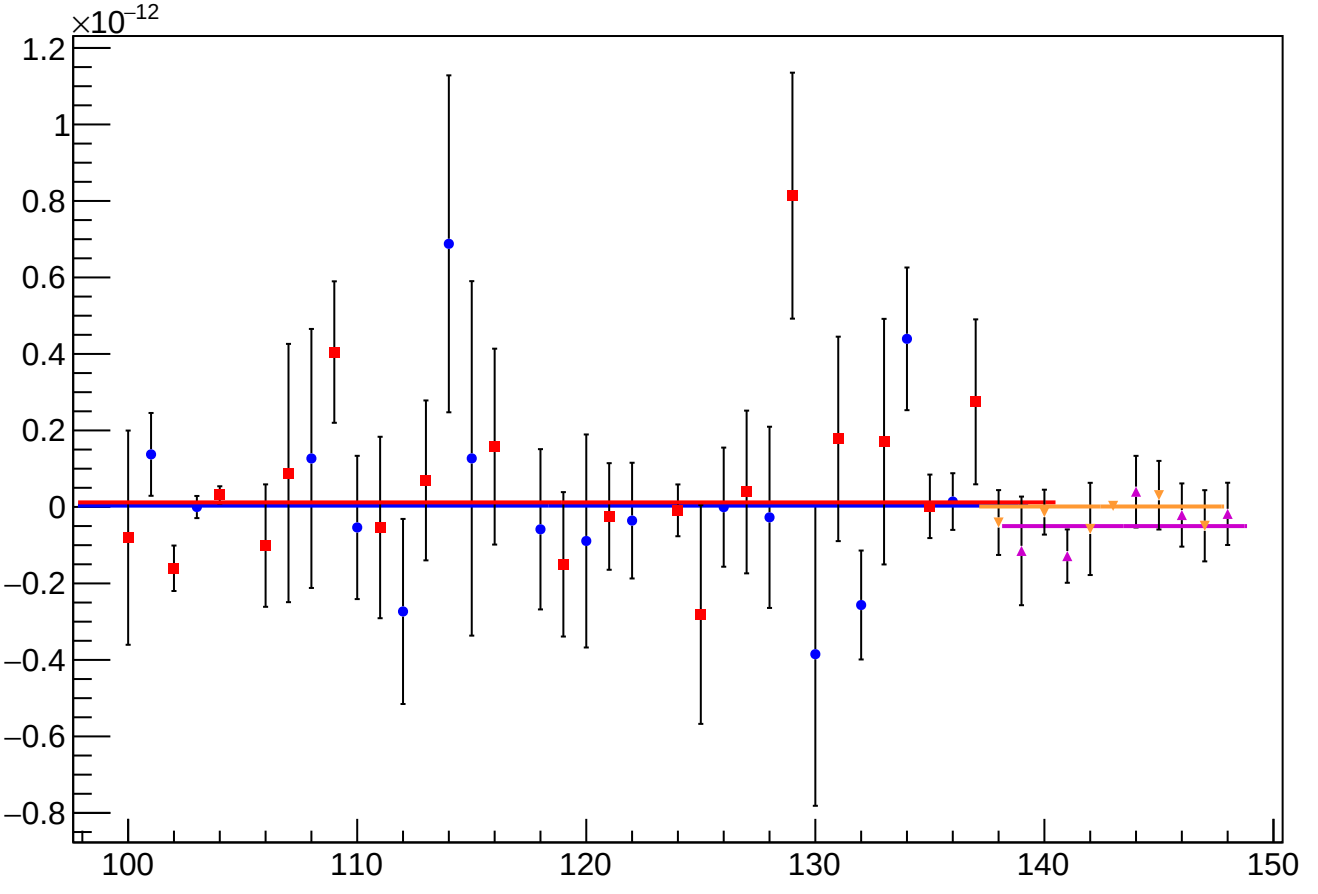
Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

+ sign 162.514+/-0.039 χ^2/NDF: 5070217.4/21

All: 157.921+/-0.027 χ^2/NDF: 10225434.0/45

- sign 153.663+/-0.038 χ^2/NDF: 5128731.7/23

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

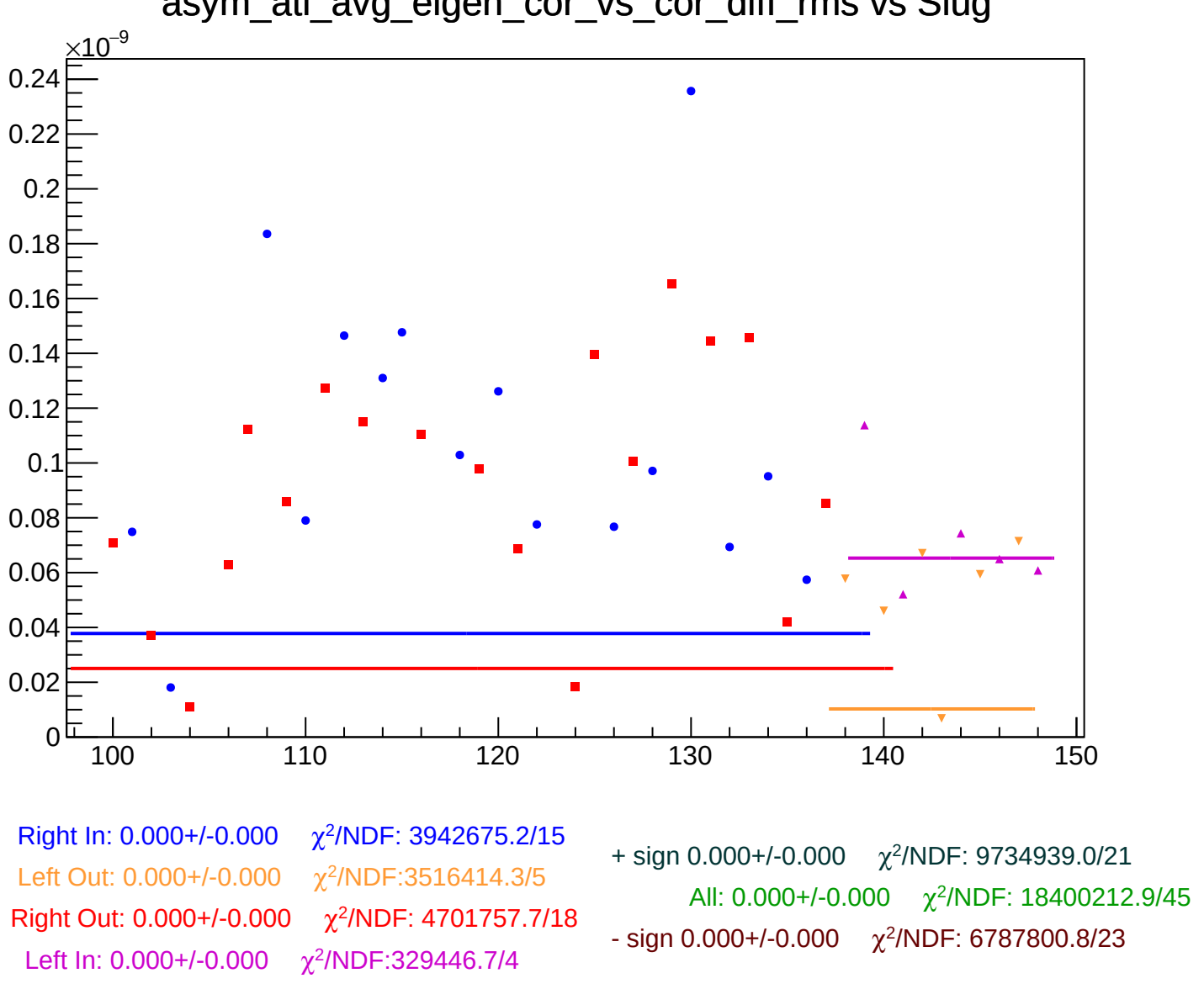
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

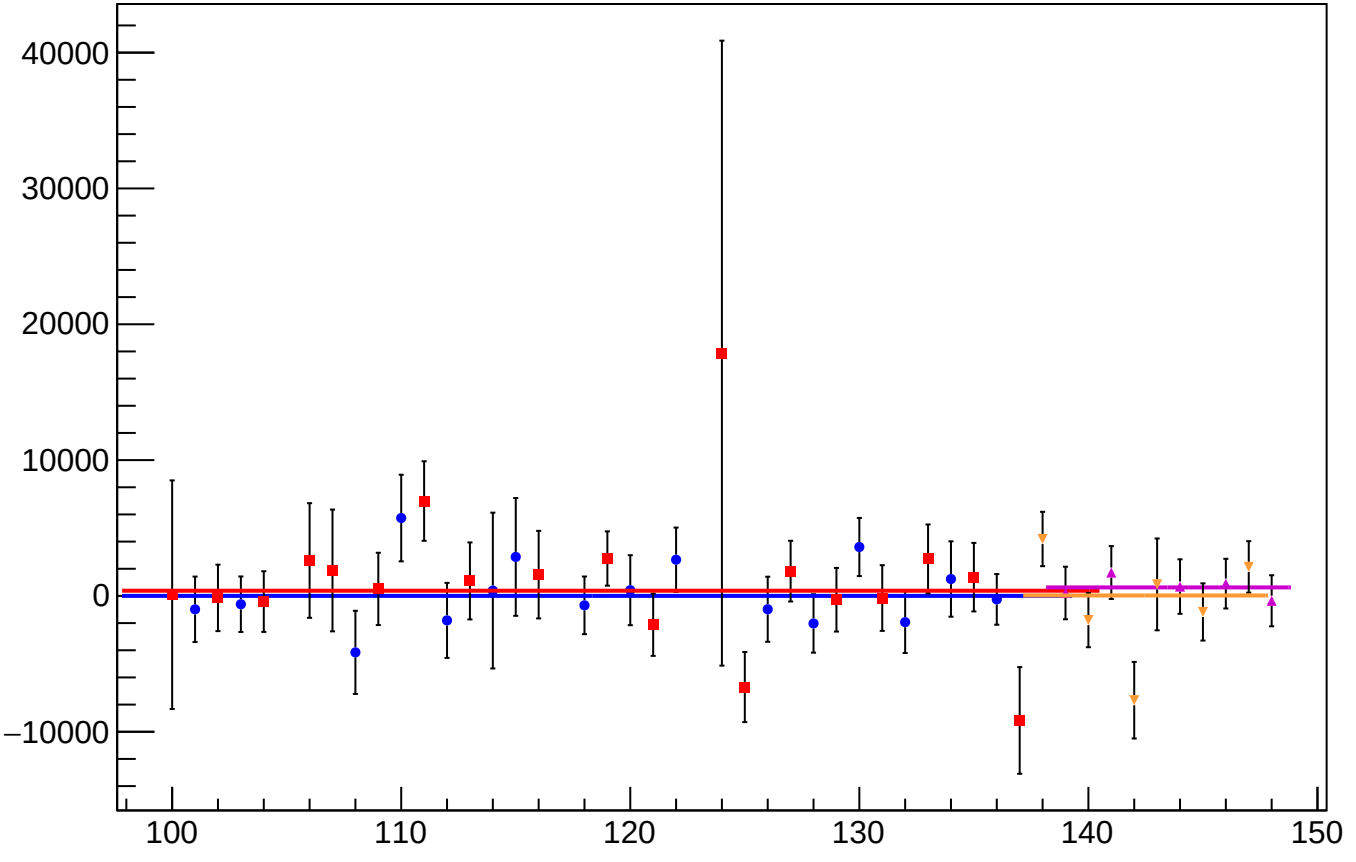
+ sign 0.000+/-0.000 χ^2/NDF: 16.6/21

All: 0.000+/-0.000 χ^2/NDF: 46.5/45

- sign 0.000+/-0.000 χ^2/NDF: 29.9/23


asym_atl_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
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3942675.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3516414.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 4701757.7/18
Left In: 0.000+/-0.000 χ²/NDF:329446.7/4
+ sign 0.000+/-0.000 χ²/NDF: 9734939.0/21
All: 0.000+/-0.000 χ²/NDF: 18400212.9/45
- sign 0.000+/-0.000 χ²/NDF: 6787800.8/23

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

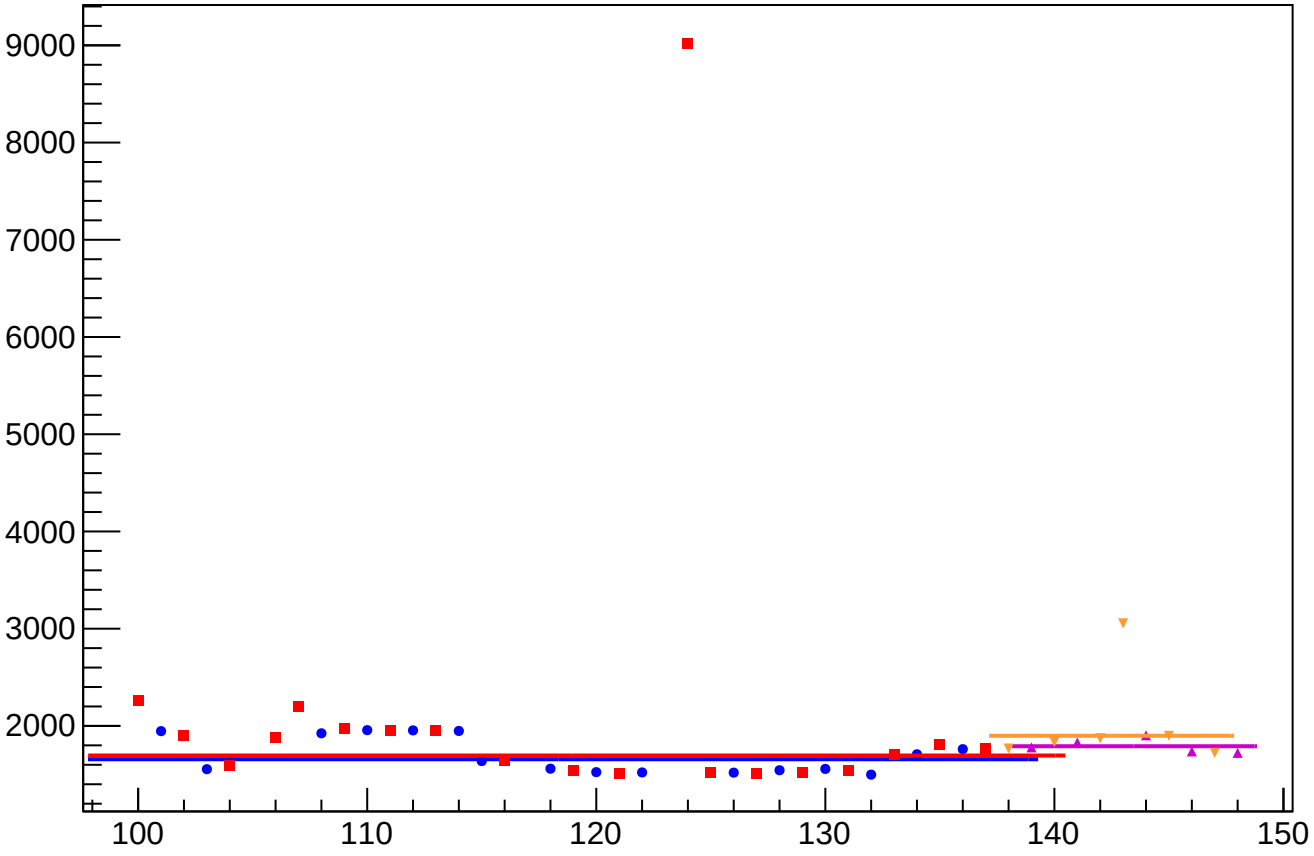
Left In: 626.653+/-856.861 χ^2/NDF:0.7/4

+ sign 13.795+/-511.645 χ^2/NDF: 26.7/21

All: 243.000+/-361.024 χ^2/NDF: 51.8/45

- sign 470.281+/-509.492 χ^2/NDF: 24.8/23

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

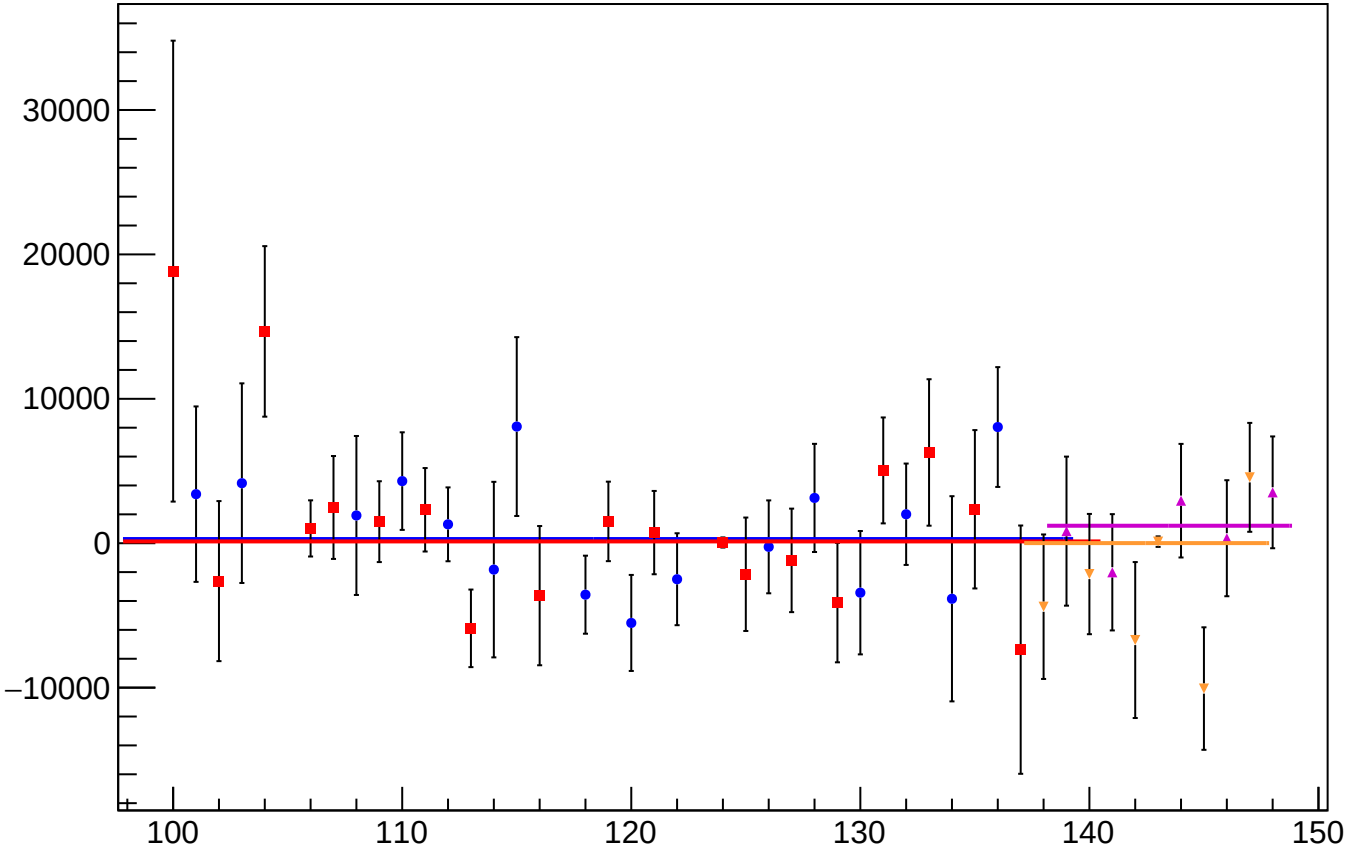
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.4/21

All: 1731.593+/-0.255 χ^2/NDF: 916403.0/45

- sign 1729.143+/-0.359 χ^2/NDF: 413746.9/23

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

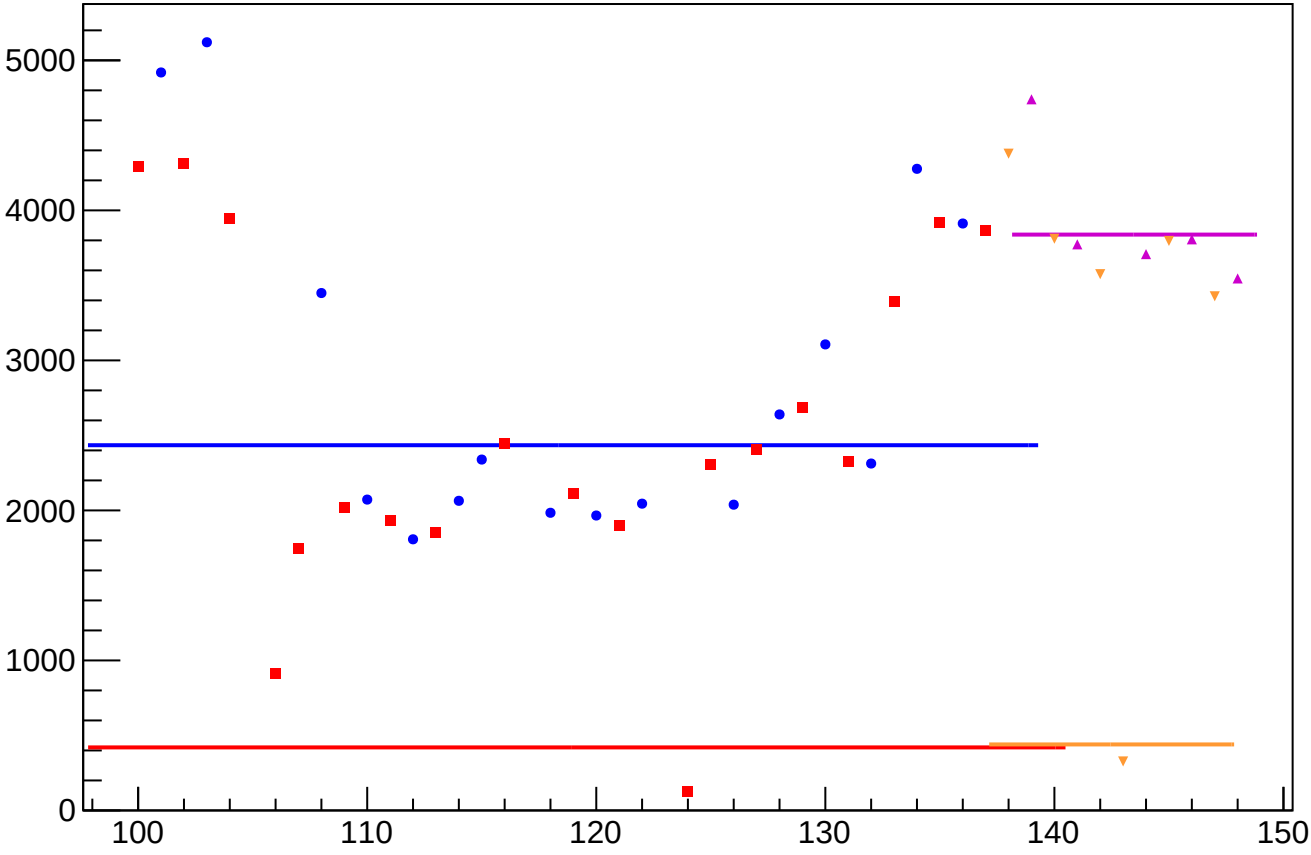
Left In: 1210.866+/-1848.748 χ^2/NDF:1.2/4

+ sign 42.847+/-335.527 χ^2/NDF: 25.1/21

All: 103.286+/-231.137 χ^2/NDF: 47.5/45

- sign 157.870+/-318.863 χ^2/NDF: 22.4/23

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

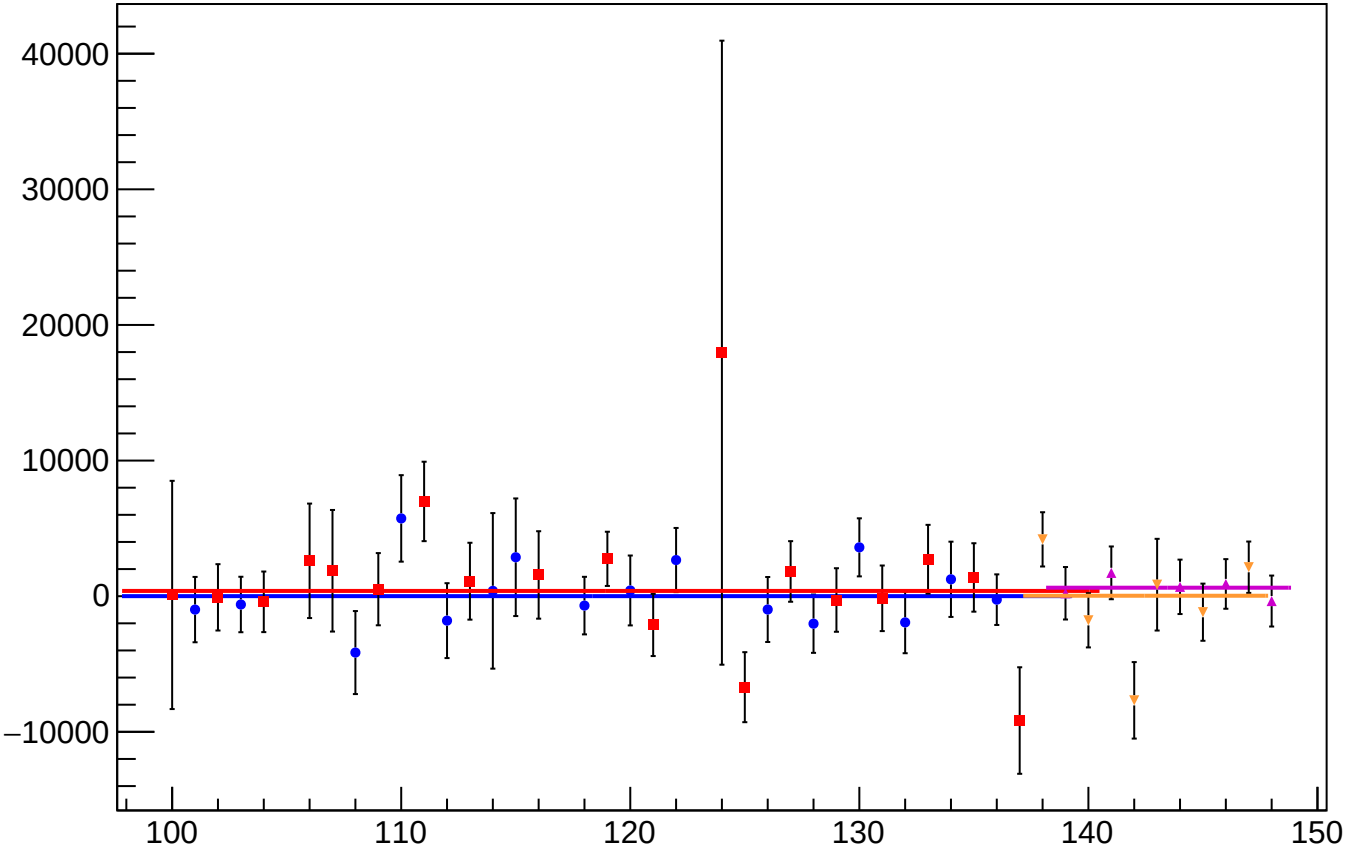
Left In: 3838.530+/-1.307 χ^2/NDF:75306.2/4

+ sign 683.179+/-0.237 χ^2/NDF: 14946700.9/21

All: 598.476+/-0.163 χ^2/NDF: 32962378.3/45

- sign 521.977+/-0.225 χ^2/NDF: 17773102.4/23

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

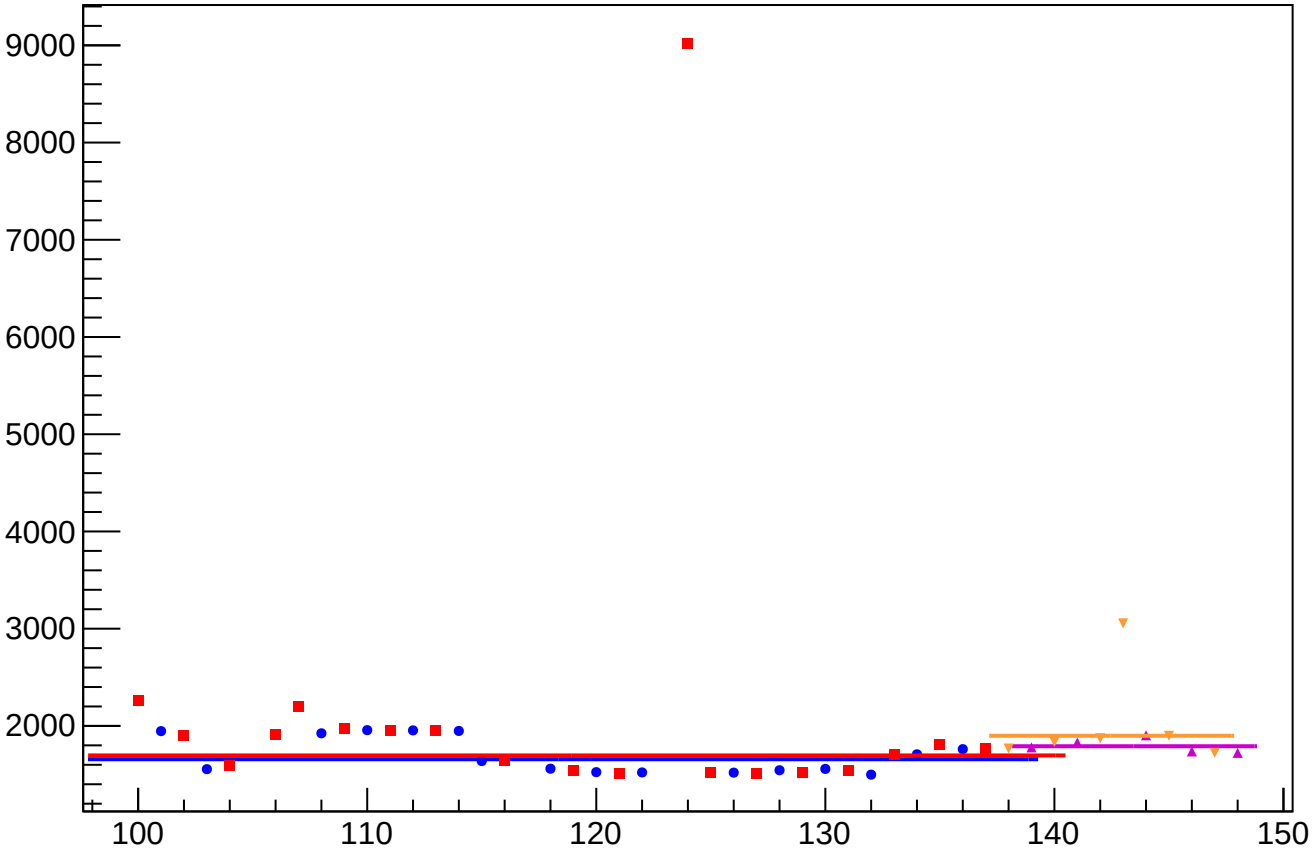
Left In: 626.539+/-856.861 χ^2/NDF:0.7/4

+ sign 13.655+/-511.645 χ^2/NDF: 26.7/21

All: 244.304+/-361.025 χ^2/NDF: 51.8/45

- sign 473.019+/-509.496 χ^2/NDF: 24.8/23

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

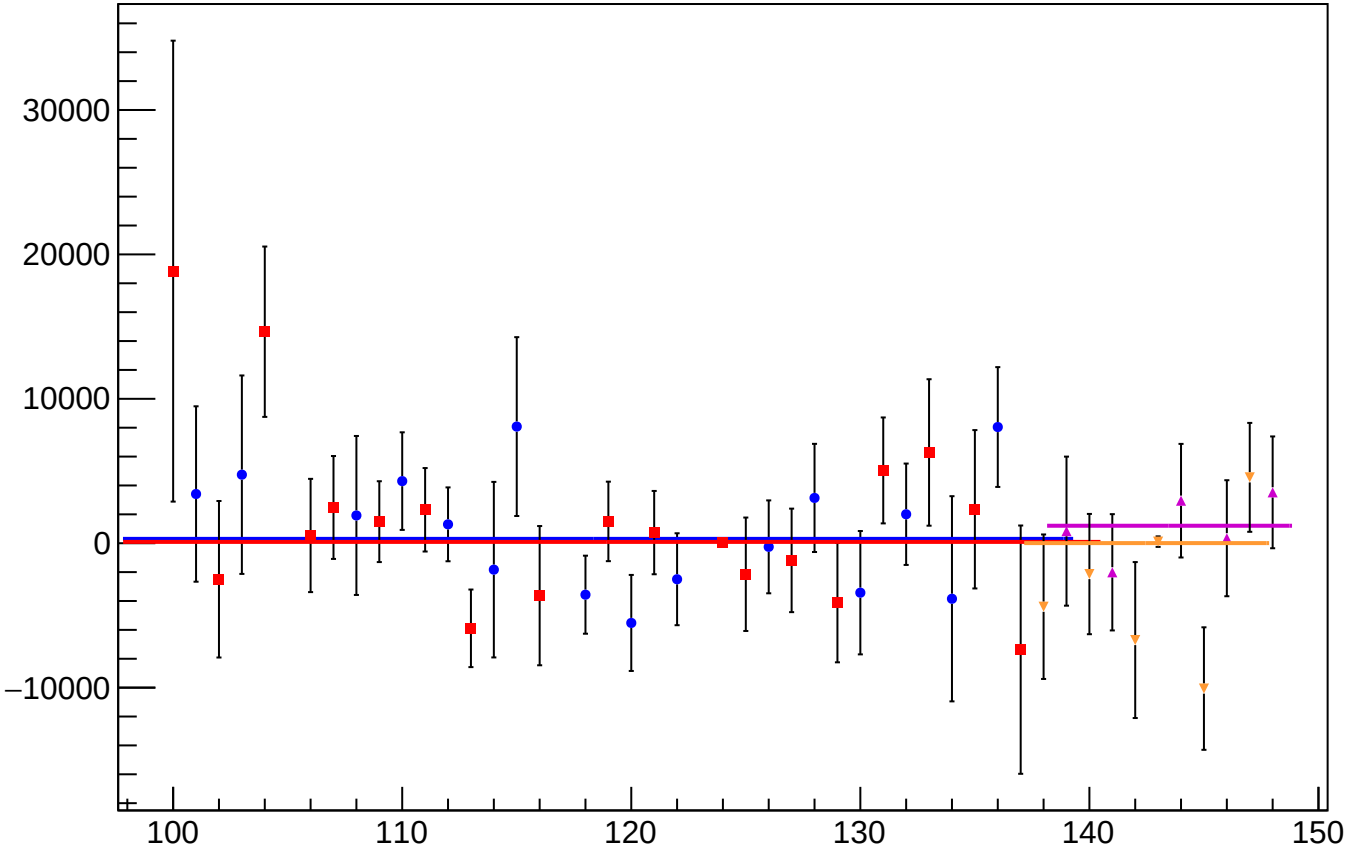
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.5/21

All: 1731.864+/-0.255 χ^2/NDF: 917870.7/45

- sign 1729.679+/-0.359 χ^2/NDF: 415233.8/23

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

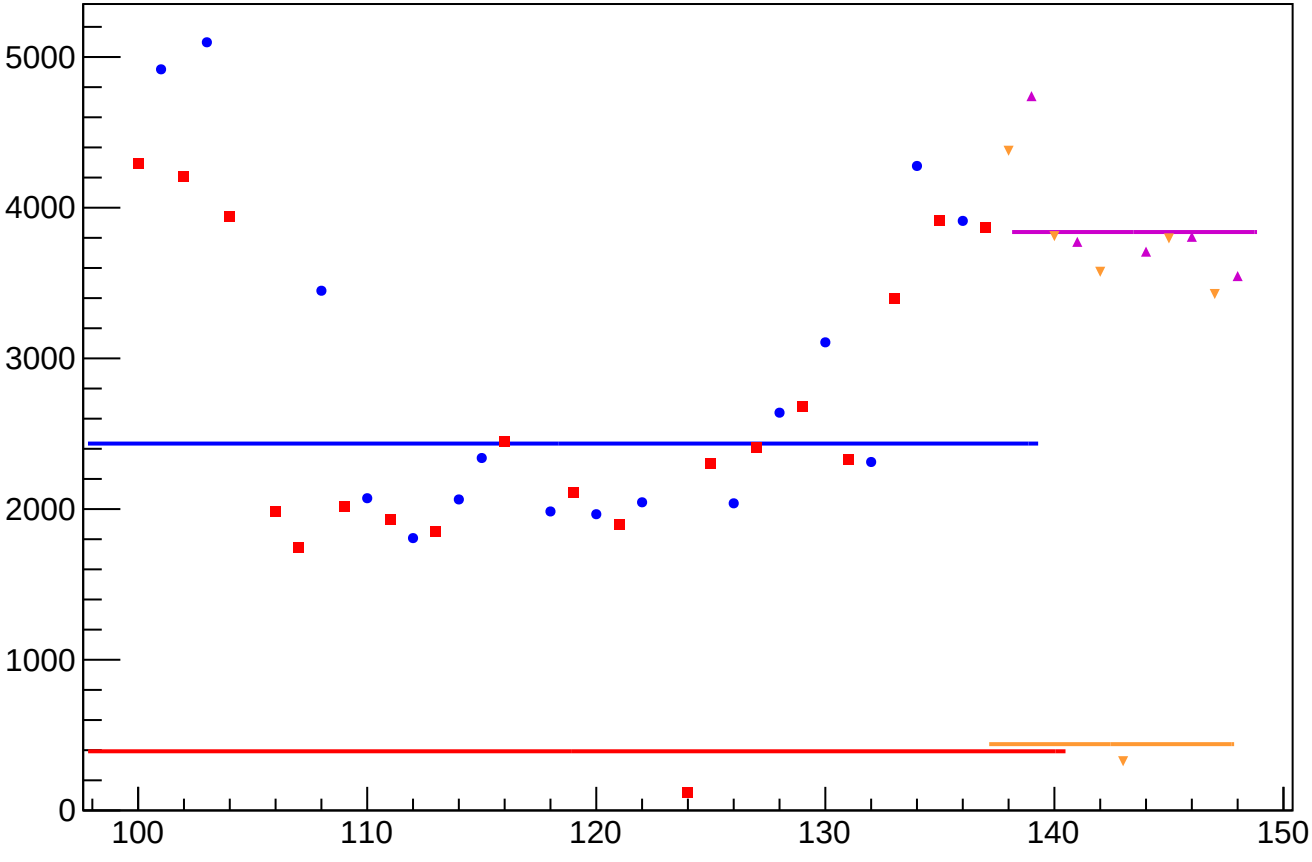
Left In: 1210.752+/-1848.748 χ^2/NDF:1.2/4

+ sign 44.793+/-335.499 χ^2/NDF: 25.2/21

All: 87.333+/-228.179 χ^2/NDF: 47.4/45

- sign 123.946+/-311.250 χ^2/NDF: 22.2/23

asym_atl_dd_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

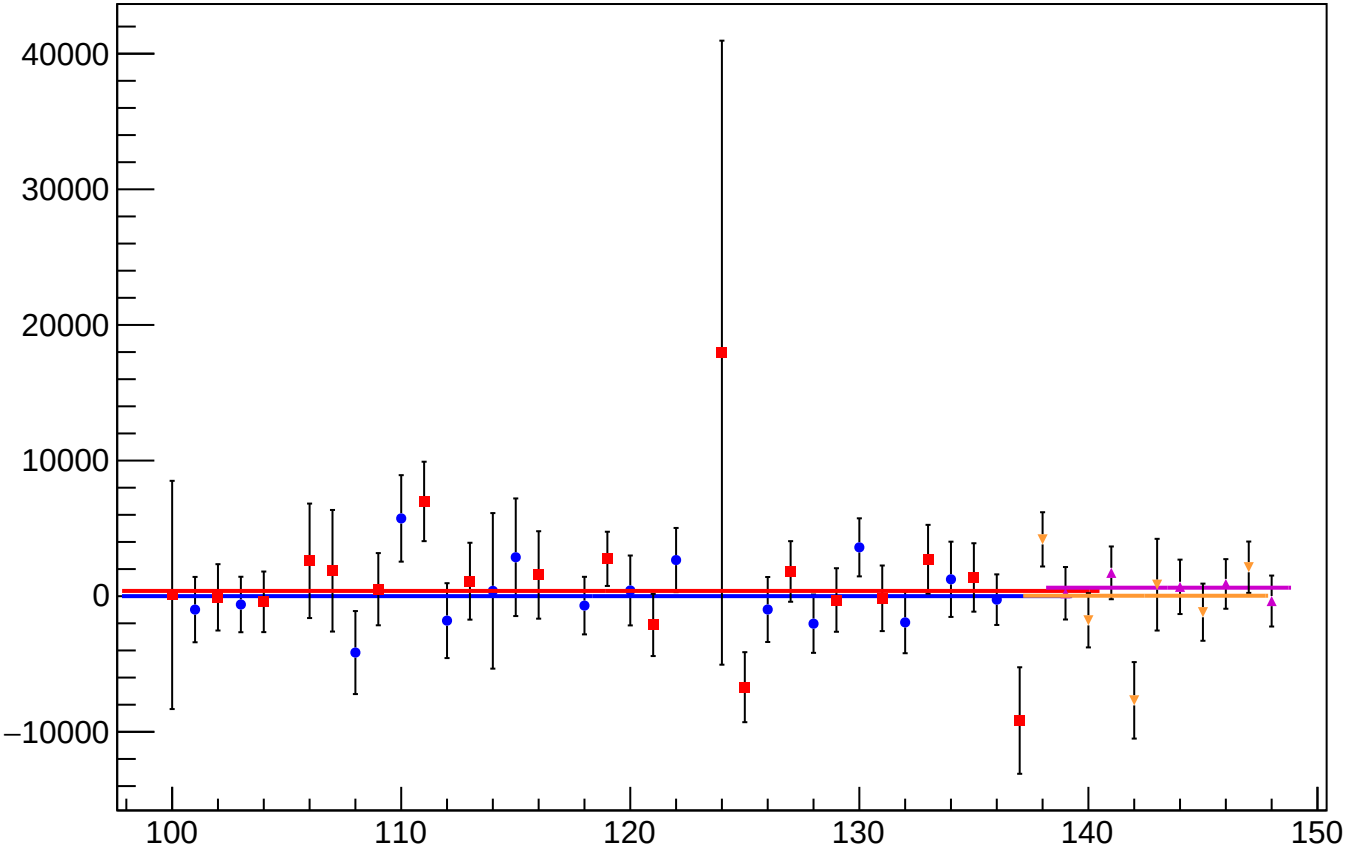
Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

+ sign 683.179+/-0.237 χ^2/NDF: 14948510.9/21

All: 579.537+/-0.161 χ^2/NDF: 33538196.3/45

- sign 490.336+/-0.220 χ^2/NDF: 18234554.6/23

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

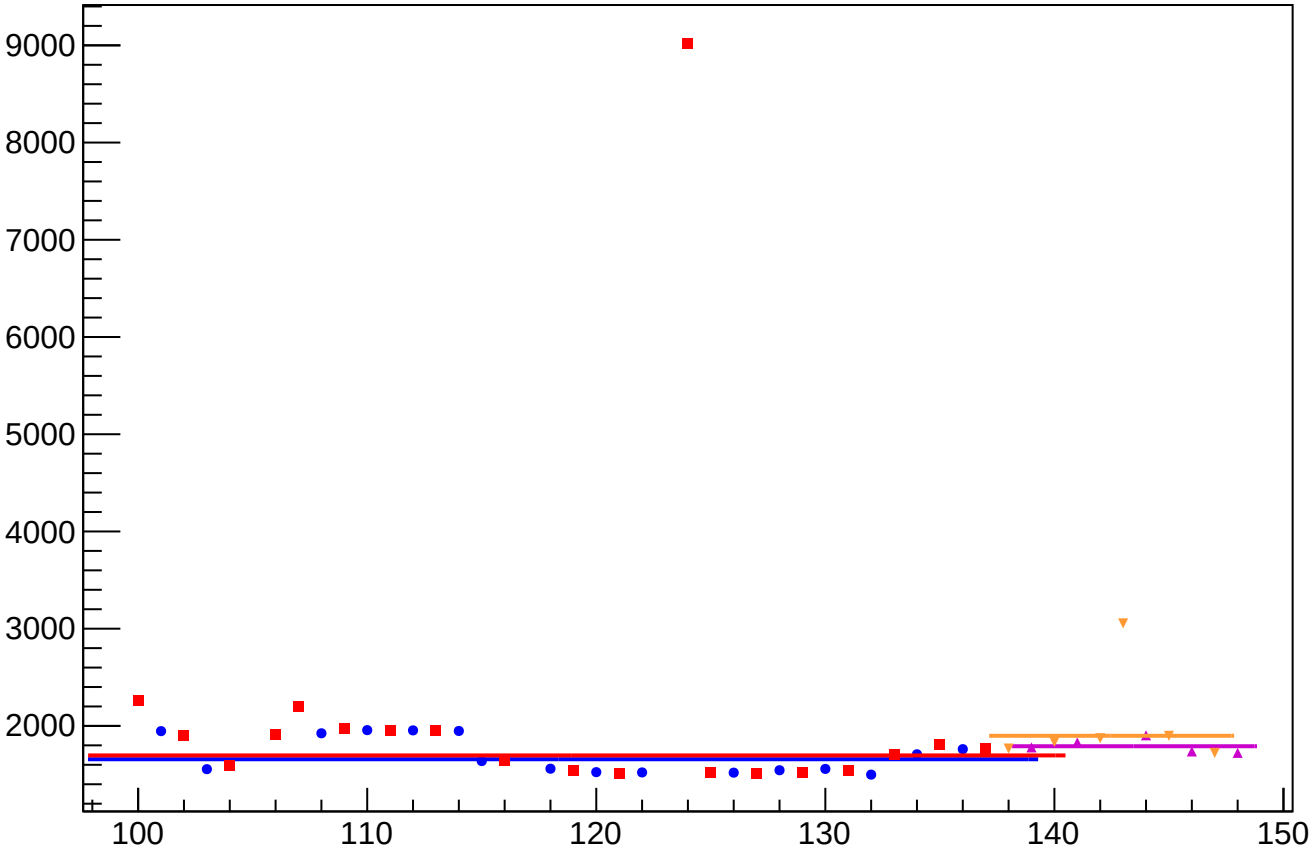
Left In: 626.539+/-856.861 χ^2/NDF:0.7/4

+ sign 13.655+/-511.645 χ^2/NDF: 26.7/21

All: 244.304+/-361.025 χ^2/NDF: 51.8/45

- sign 473.019+/-509.496 χ^2/NDF: 24.8/23

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

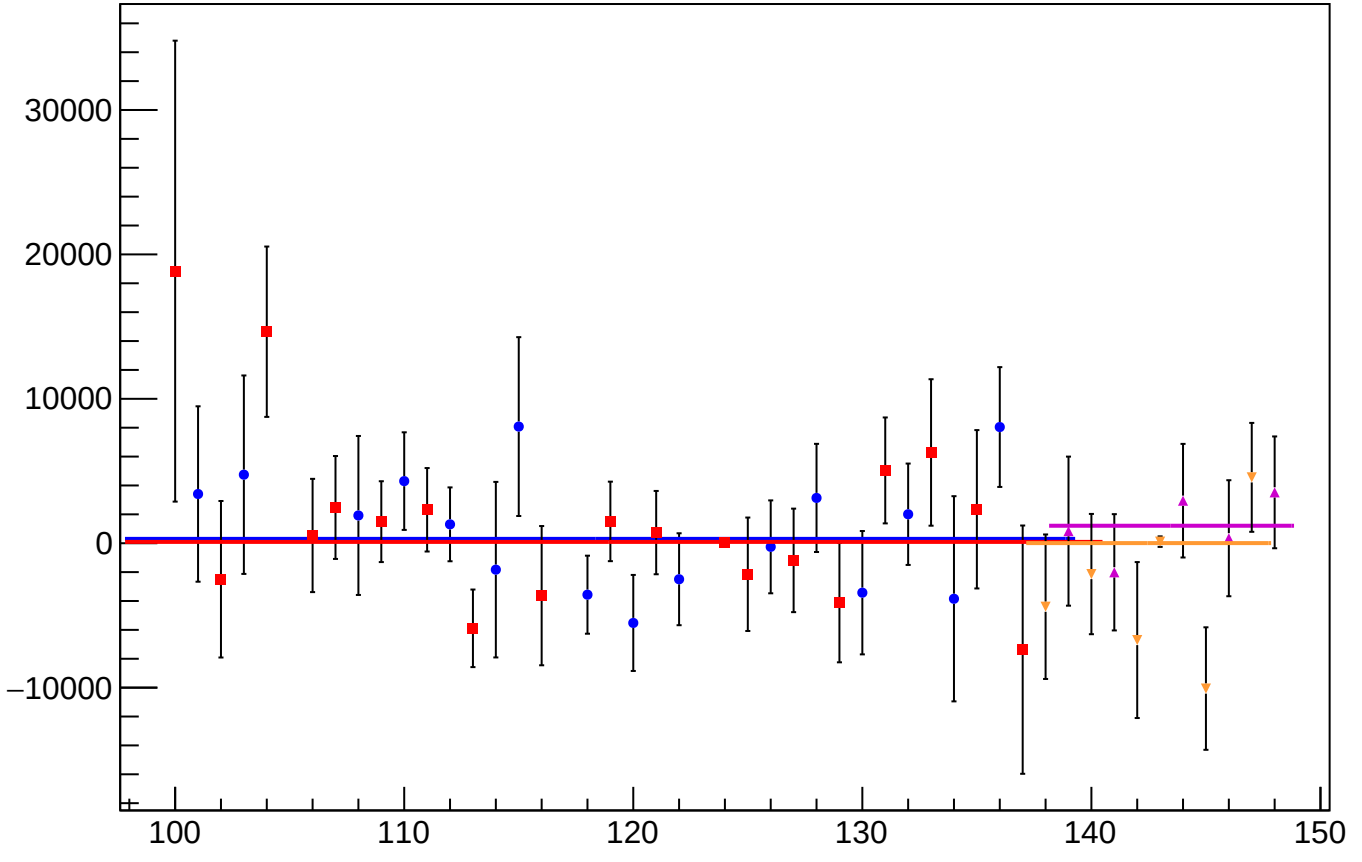
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1734.079+/-0.362 χ^2/NDF: 502562.5/21

All: 1731.864+/-0.255 χ^2/NDF: 917870.7/45

- sign 1729.679+/-0.359 χ^2/NDF: 415233.8/23

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

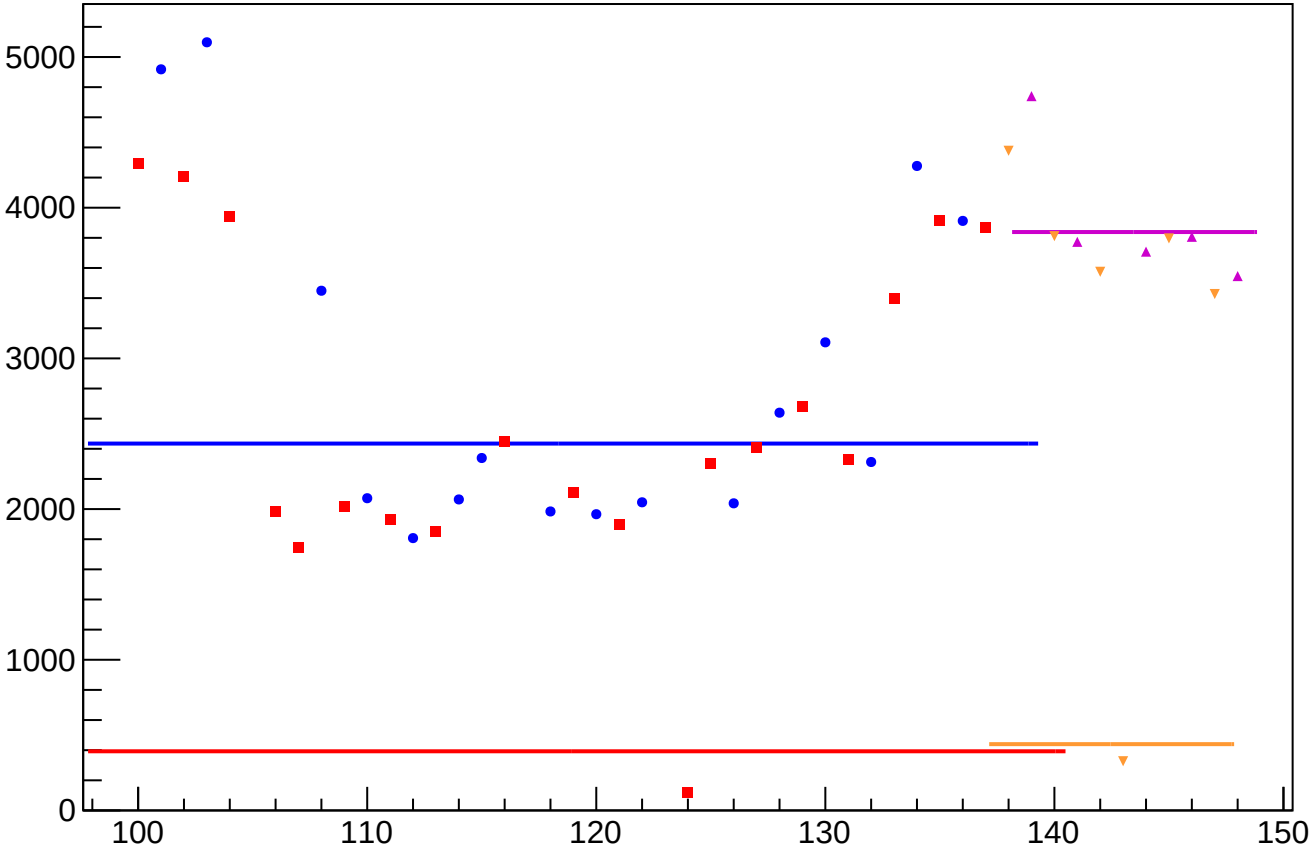
Left In: 1210.752+/-1848.748 χ^2/NDF:1.2/4

+ sign 44.793+/-335.499 χ^2/NDF: 25.2/21

All: 87.333+/-228.179 χ^2/NDF: 47.4/45

- sign 123.946+/-311.250 χ^2/NDF: 22.2/23

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

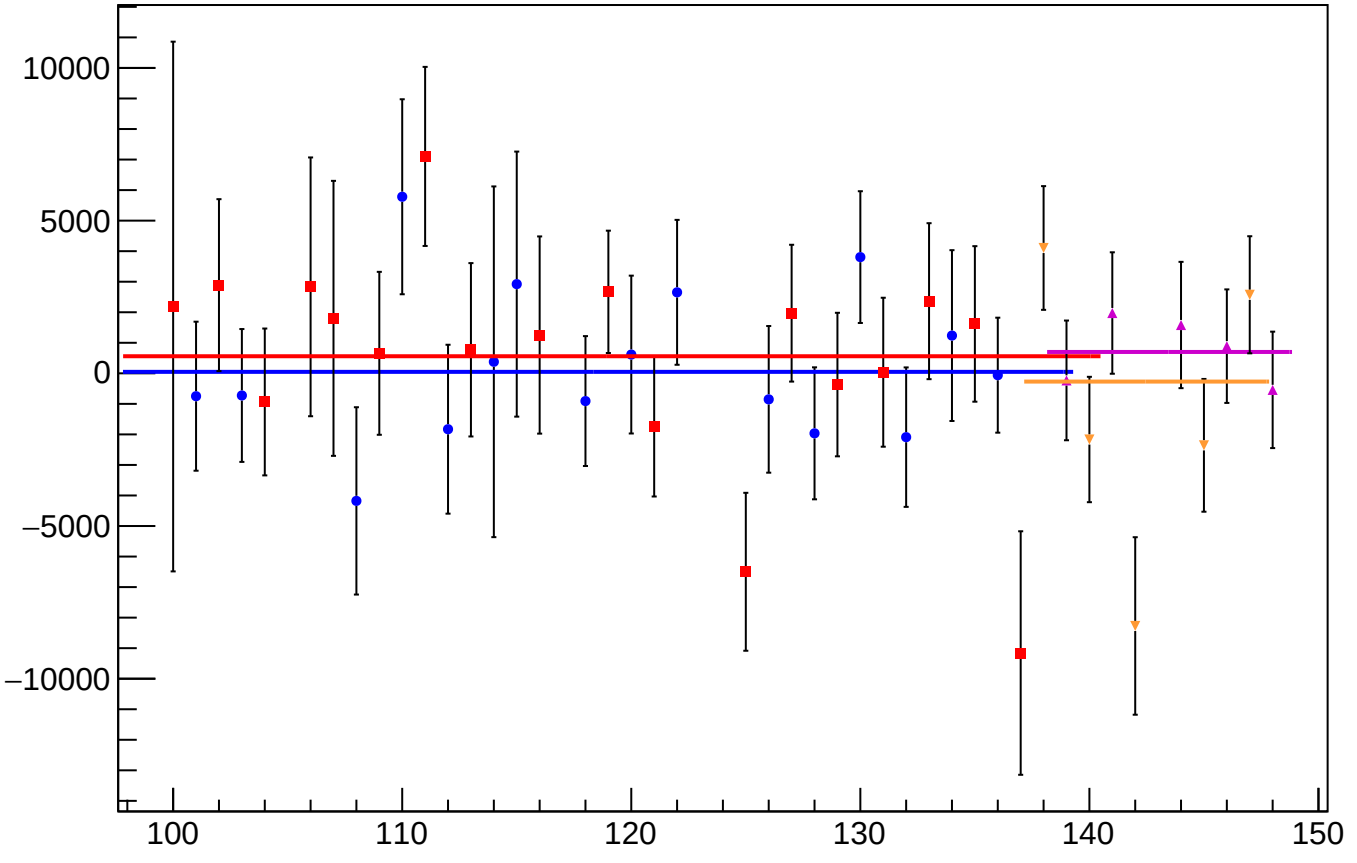
Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

+ sign 683.179+/-0.237 χ^2/NDF: 14948510.9/21

All: 579.537+/-0.161 χ^2/NDF: 33538196.3/45

- sign 490.336+/-0.220 χ^2/NDF: 18234554.6/23

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

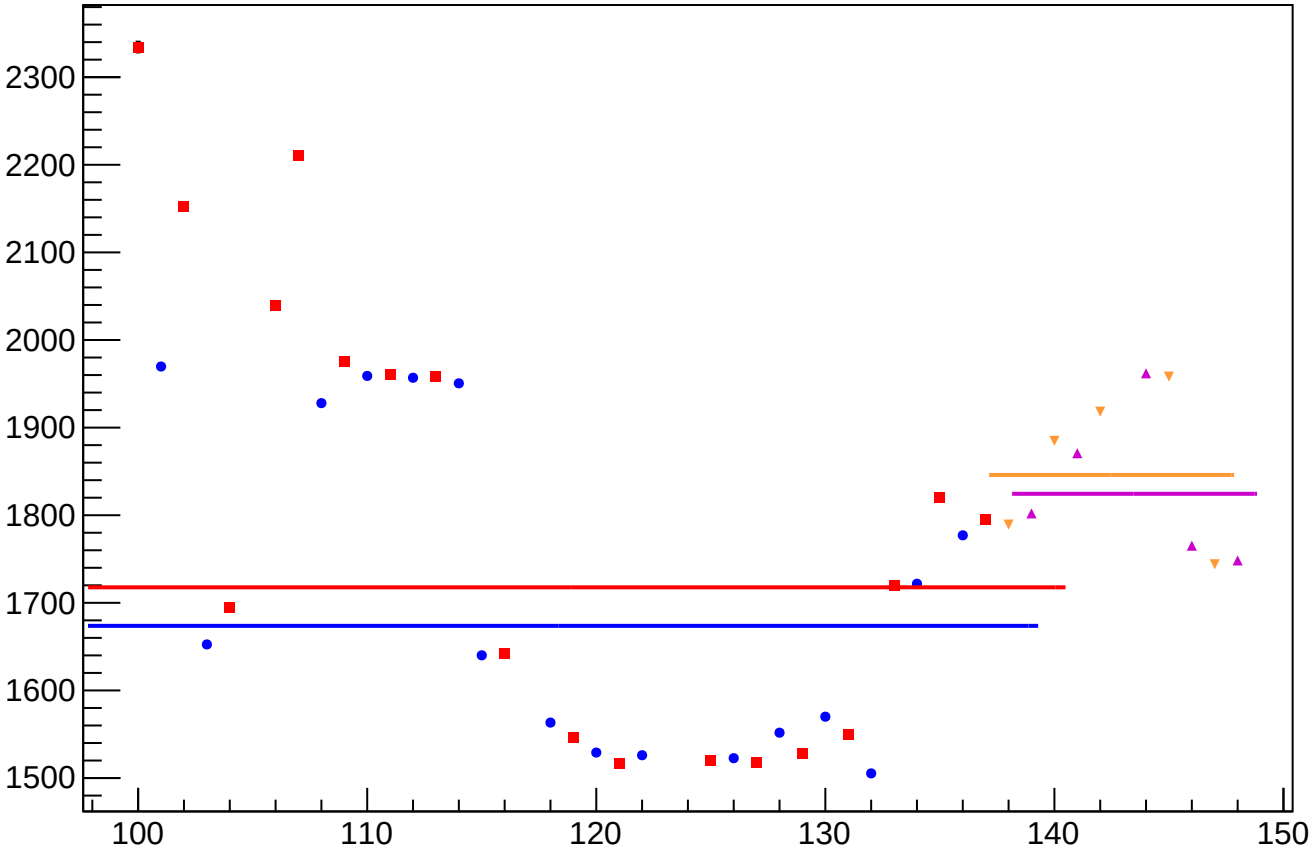
Left In: 699.713+/-873.161 χ^2/NDF:1.3/4

+ sign -46.578+/-524.599 χ^2/NDF: 29.1/20

All: 284.805+/-368.935 χ^2/NDF: 54.4/43

- sign 609.092+/-518.953 χ^2/NDF: 24.5/22

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

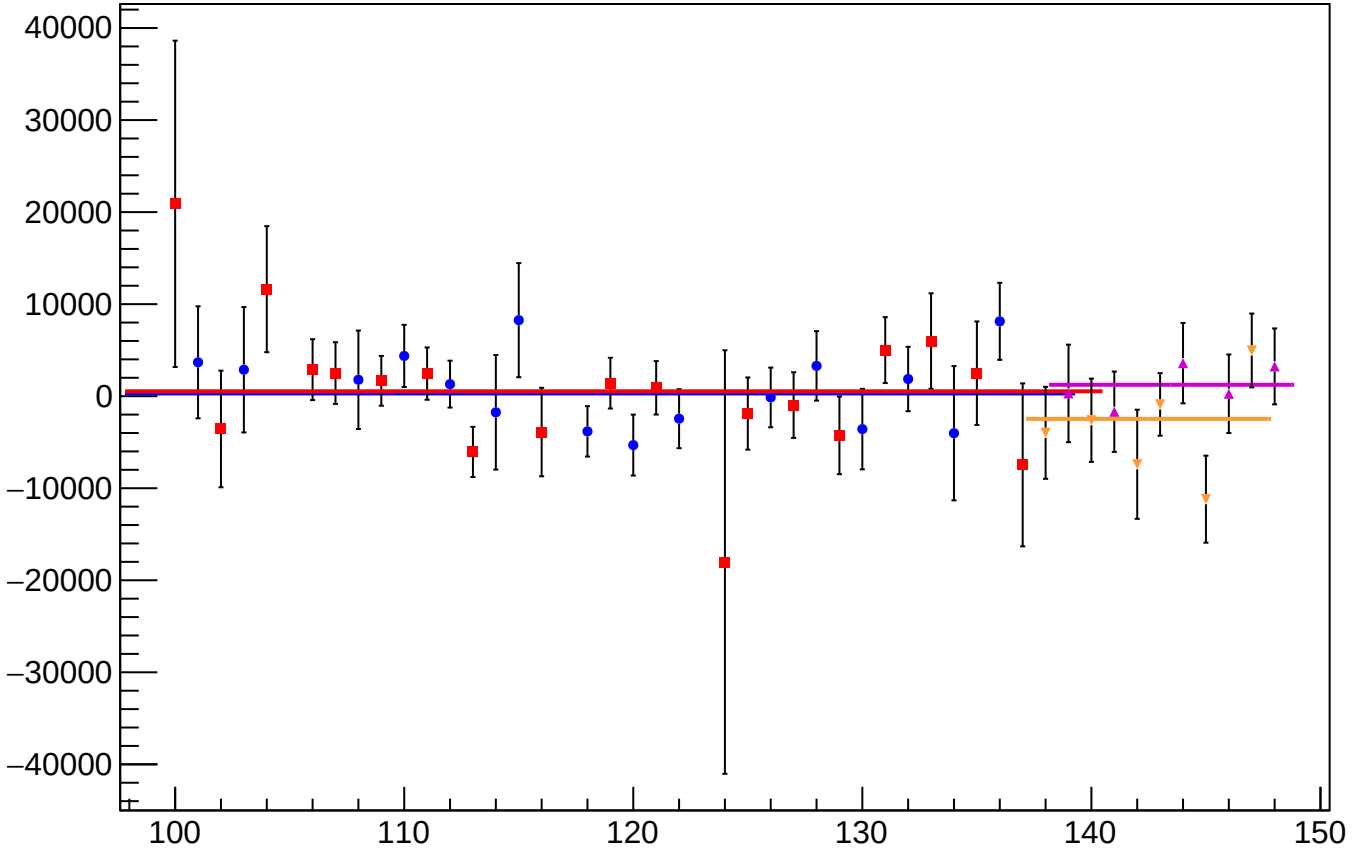
Left In: 1824.466+/-0.617 χ^2/NDF:15406.5/4

+ sign 1725.065+/-0.371 χ^2/NDF: 200486.4/20

All: 1740.374+/-0.261 χ^2/NDF: 466266.4/43

- sign 1755.310+/-0.366 χ^2/NDF: 262415.3/22

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

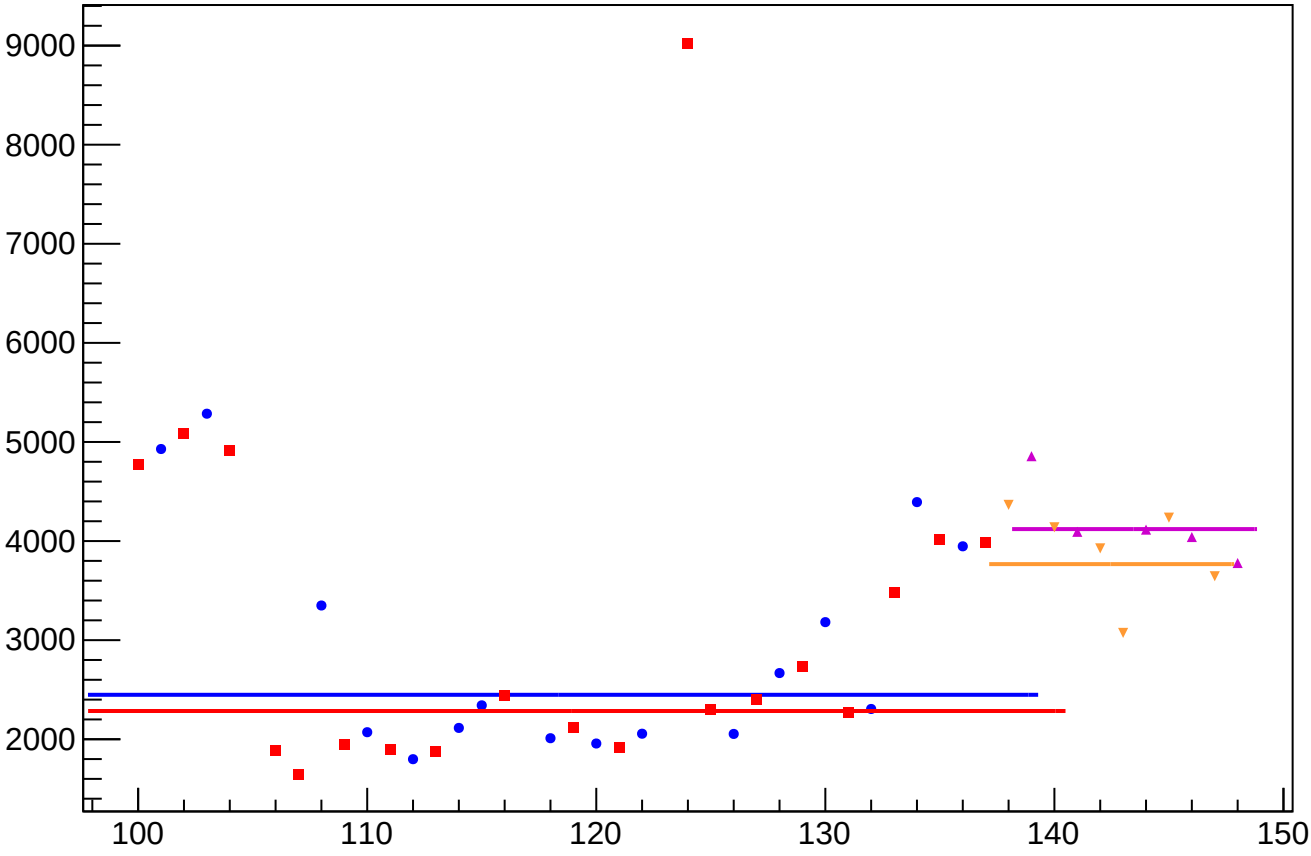
Left In: 1240.260+/-1983.003 χ^2/NDF:1.1/4

+ sign -323.560+/-849.619 χ^2/NDF: 24.9/21

All: 187.274+/-585.268 χ^2/NDF: 45.6/45

- sign 648.581+/-807.382 χ^2/NDF: 19.9/23

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

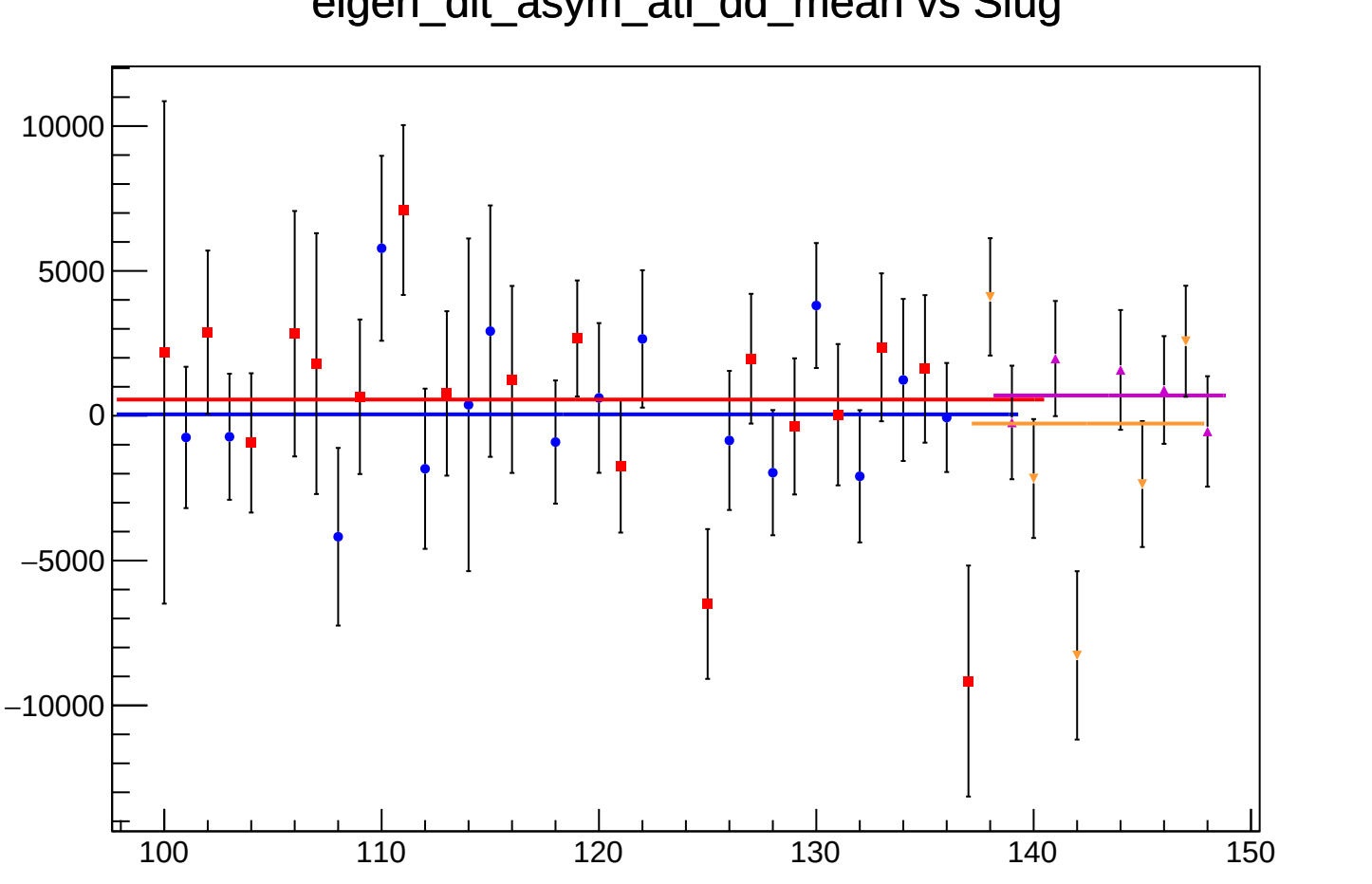
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4120.884+/-1.402 χ^2/NDF:53146.4/4

+ sign 2744.421+/-0.601 χ^2/NDF: 2504440.3/21

All: 2662.962+/-0.414 χ^2/NDF: 5571350.5/45

- sign 2589.401+/-0.571 χ^2/NDF: 3031923.1/23



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

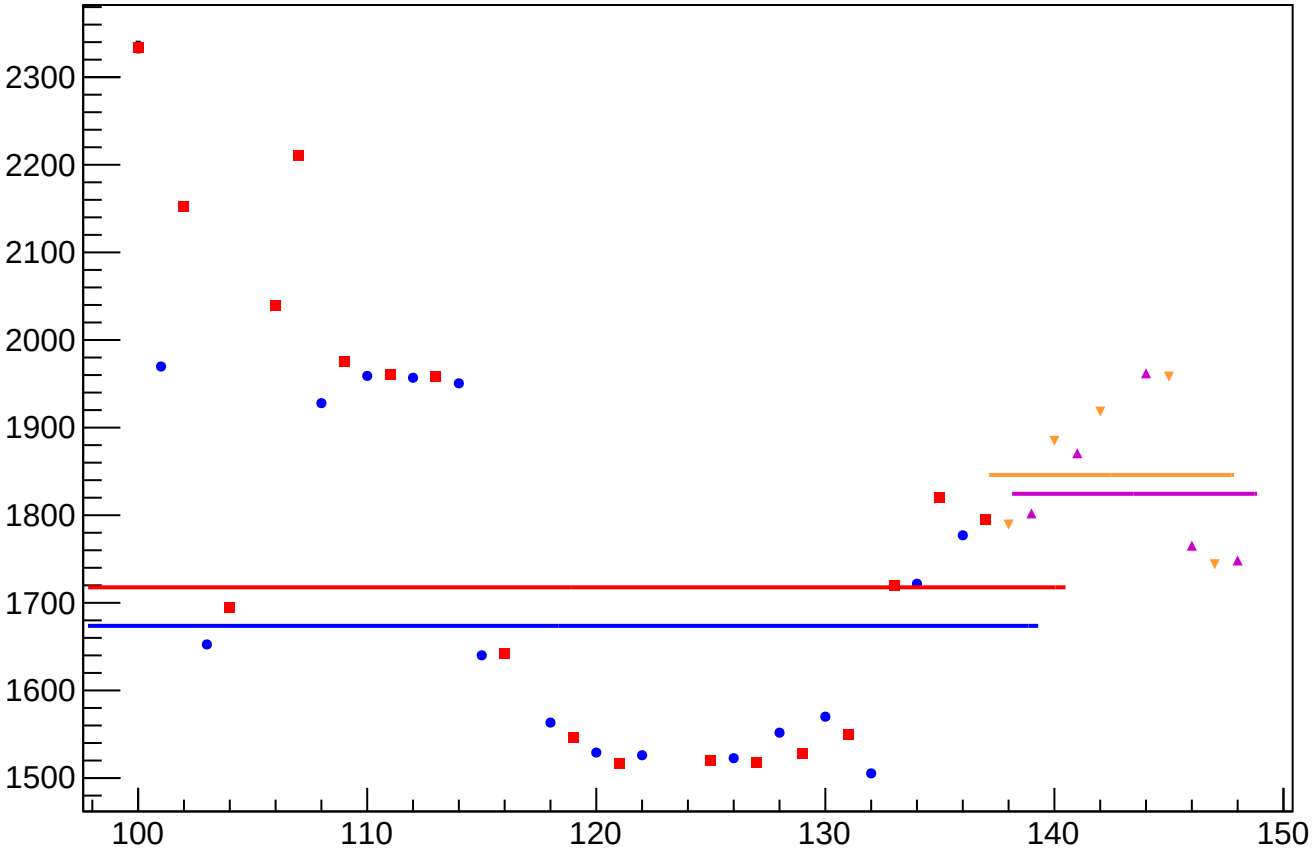
Left In: 699.716+/-873.161 χ^2/NDF:1.3/4

+ sign -46.582+/-524.599 χ^2/NDF: 29.1/20

All: 284.803+/-368.935 χ^2/NDF: 54.4/43

- sign 609.094+/-518.953 χ^2/NDF: 24.5/22

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

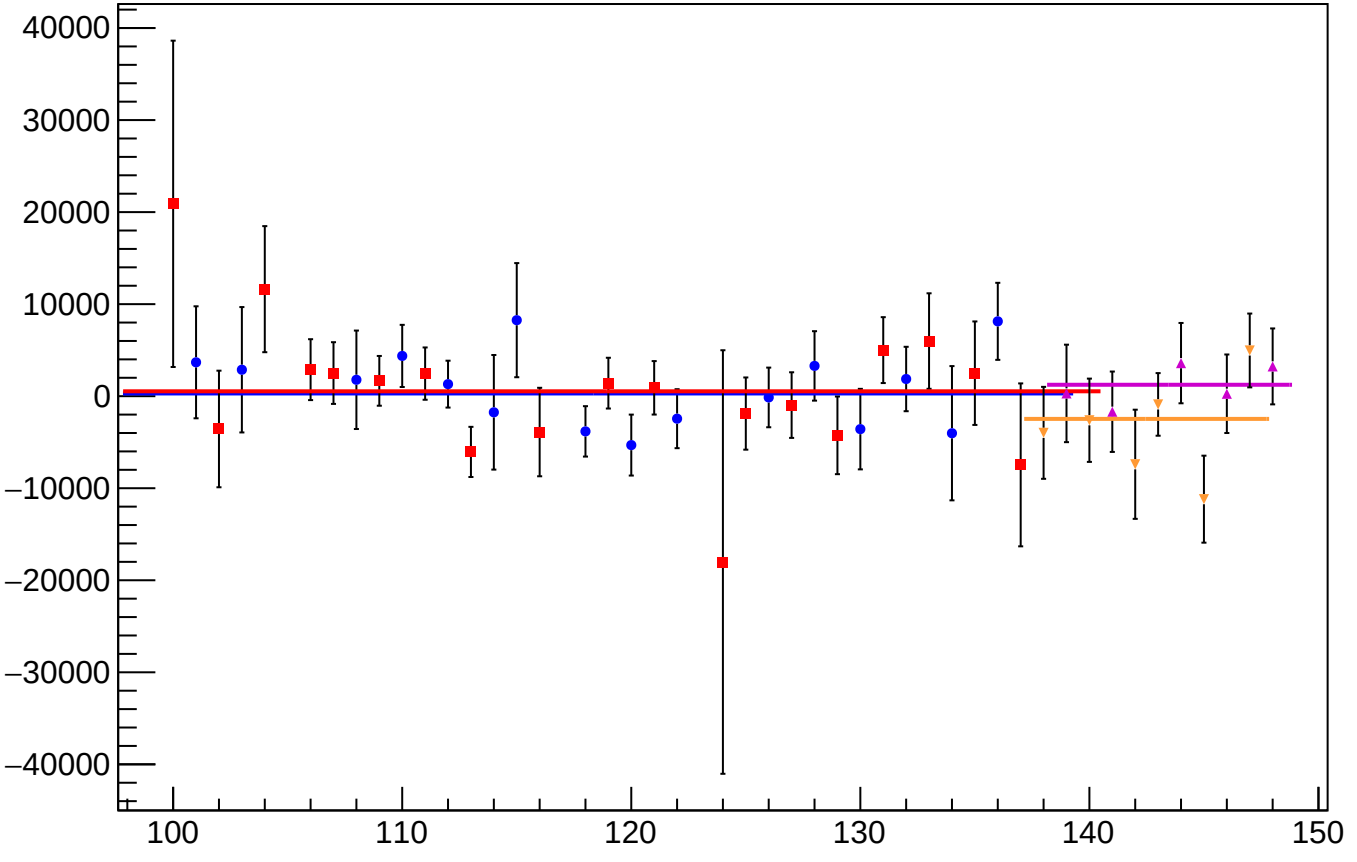
Left In: 1824.467+/-0.617 χ^2/NDF:15406.7/4

+ sign 1725.065+/-0.371 χ^2/NDF: 200487.3/20

All: 1740.374+/-0.261 χ^2/NDF: 466267.2/43

- sign 1755.310+/-0.366 χ^2/NDF: 262415.1/22

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

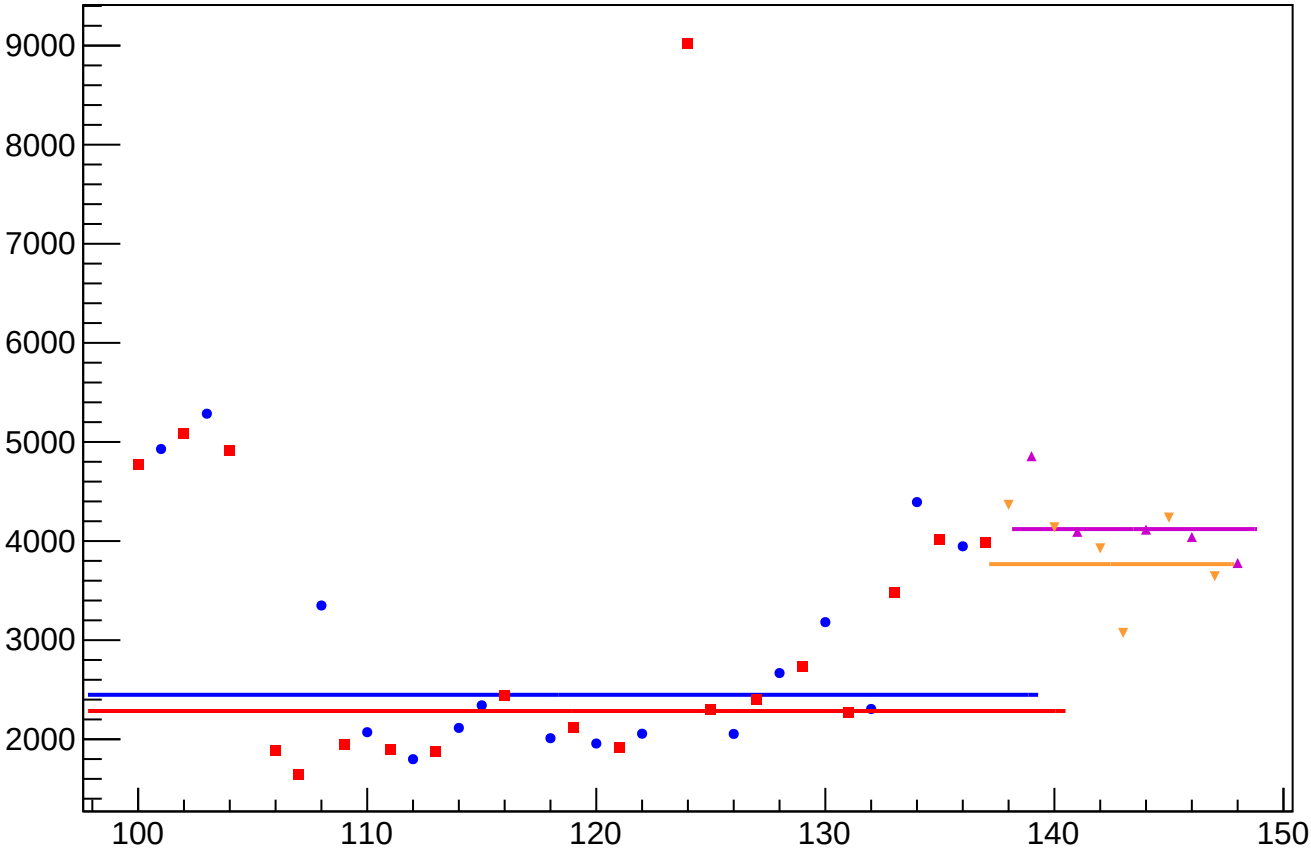
Left In: 1240.262+/-1983.006 χ^2/NDF:1.1/4

+ sign -323.559+/-849.617 χ^2/NDF: 24.9/21

All: 187.275+/-585.266 χ^2/NDF: 45.6/45

- sign 648.582+/-807.380 χ^2/NDF: 19.9/23

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

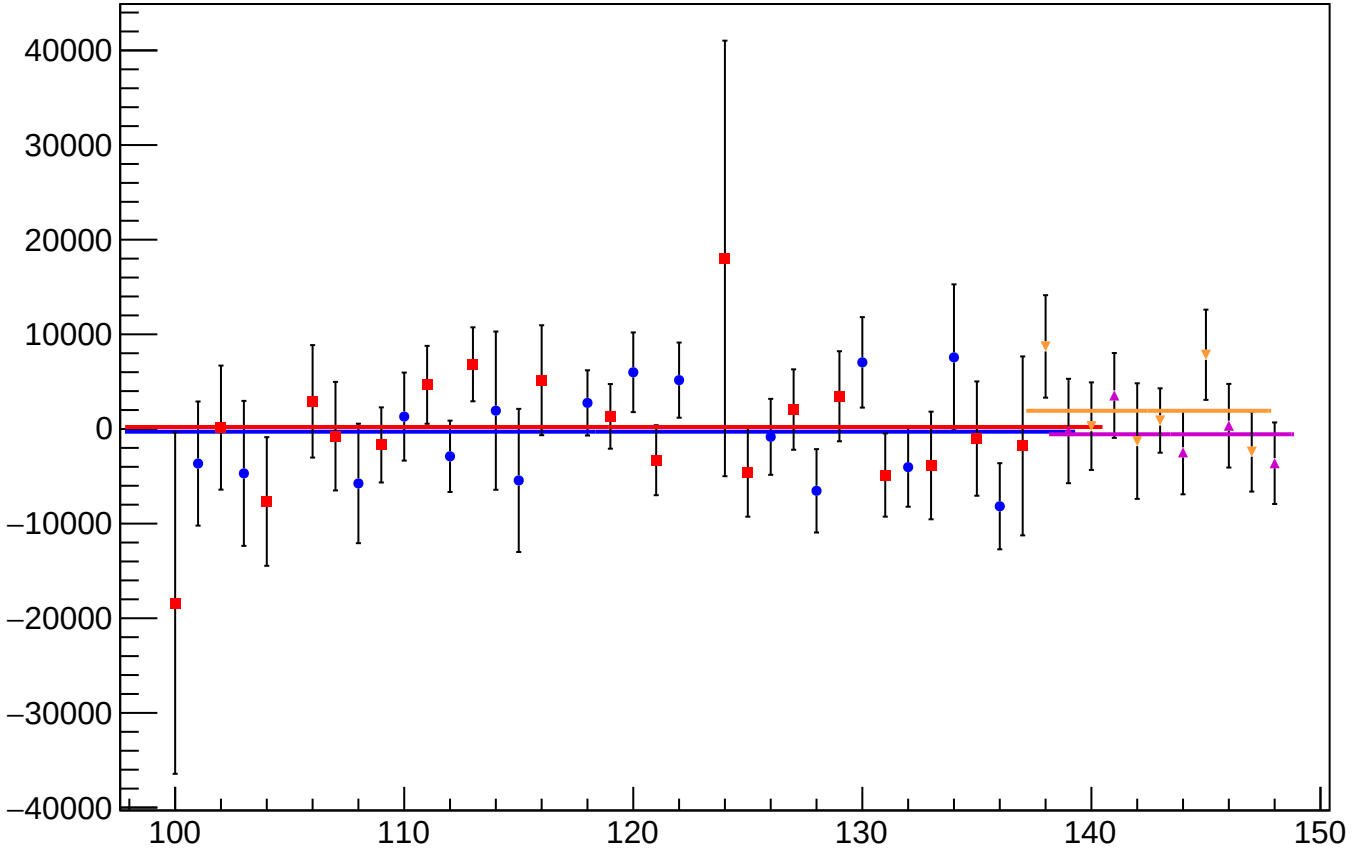
Left In: 4120.890+/-1.402 χ^2/NDF:53148.0/4

+ sign 2744.411+/-0.601 χ^2/NDF: 2504475.6/21

All: 2662.953+/-0.414 χ^2/NDF: 5571416.1/45

- sign 2589.392+/-0.571 χ^2/NDF: 3031953.7/23

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

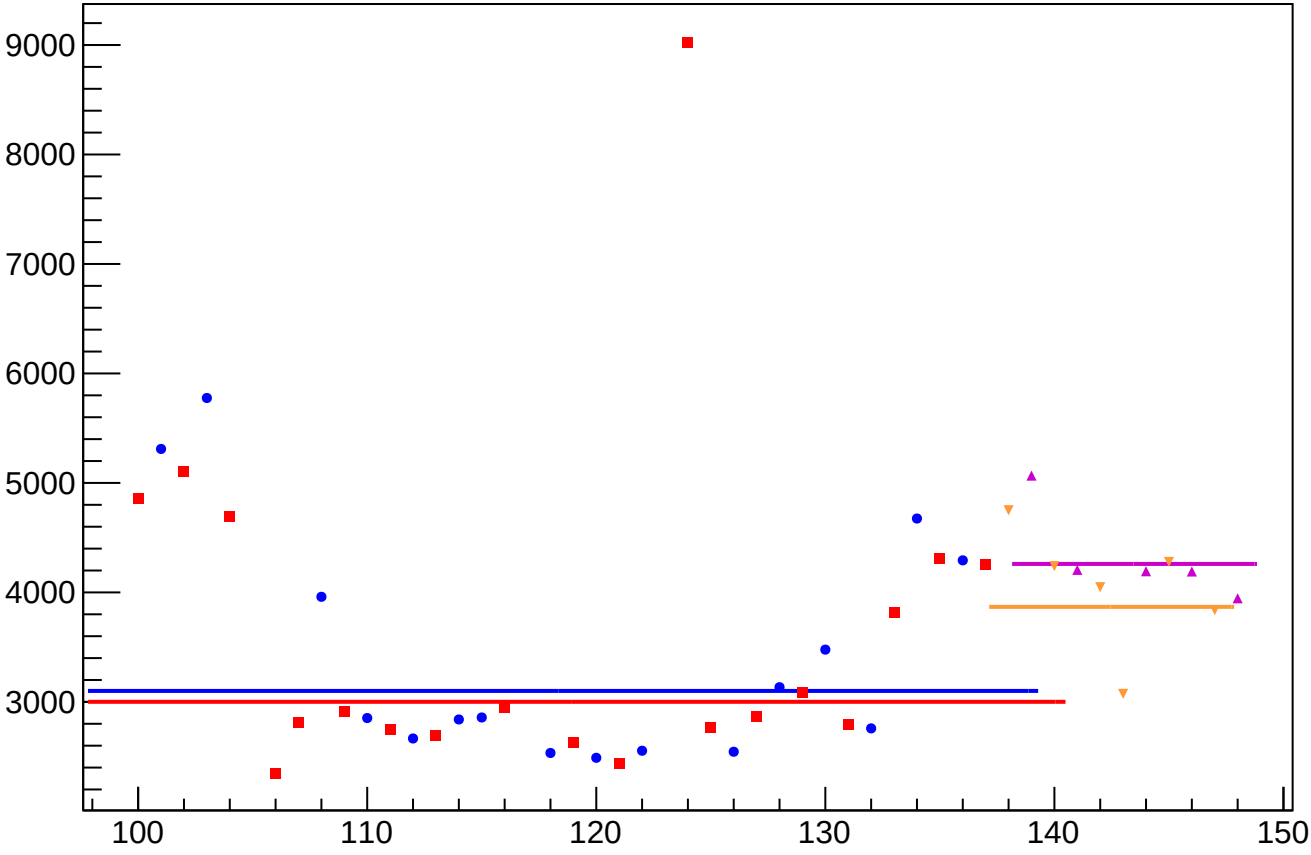
Left In: -560.482+/-2047.146 χ^2/NDF:1.6/4

+ sign 367.729+/-1004.171 χ^2/NDF: 22.2/21

All: 195.958+/-710.387 χ^2/NDF: 36.8/45

- sign 23.867+/-1005.107 χ^2/NDF: 14.5/23

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

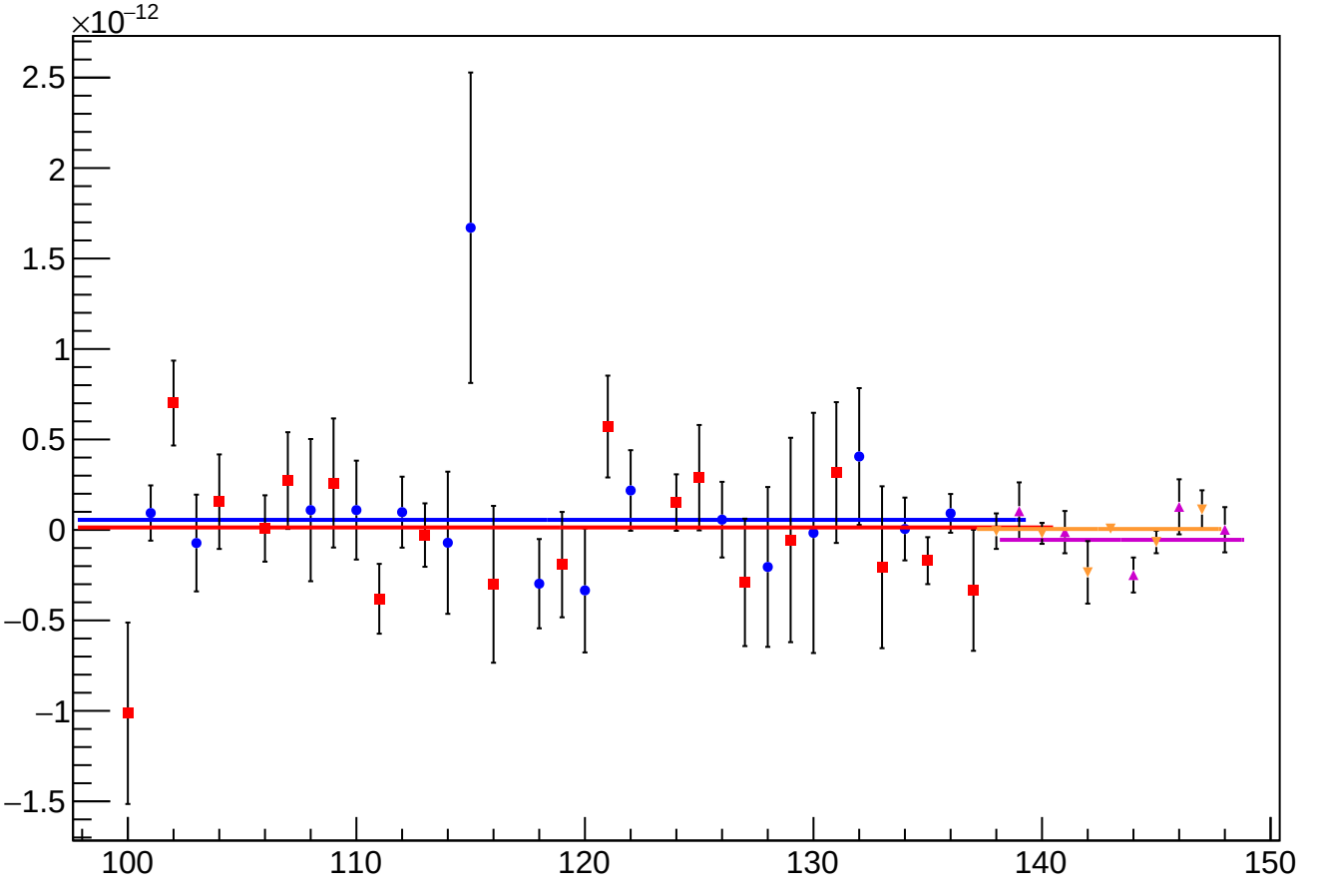
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4260.038+/-1.448 χ^2/NDF:54647.6/4

+ sign 3327.875+/-0.710 χ^2/NDF: 1399489.4/21

All: 3312.846+/-0.500 χ^2/NDF: 2839729.8/45

- sign 3298.097+/-0.703 χ^2/NDF: 1439352.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/5

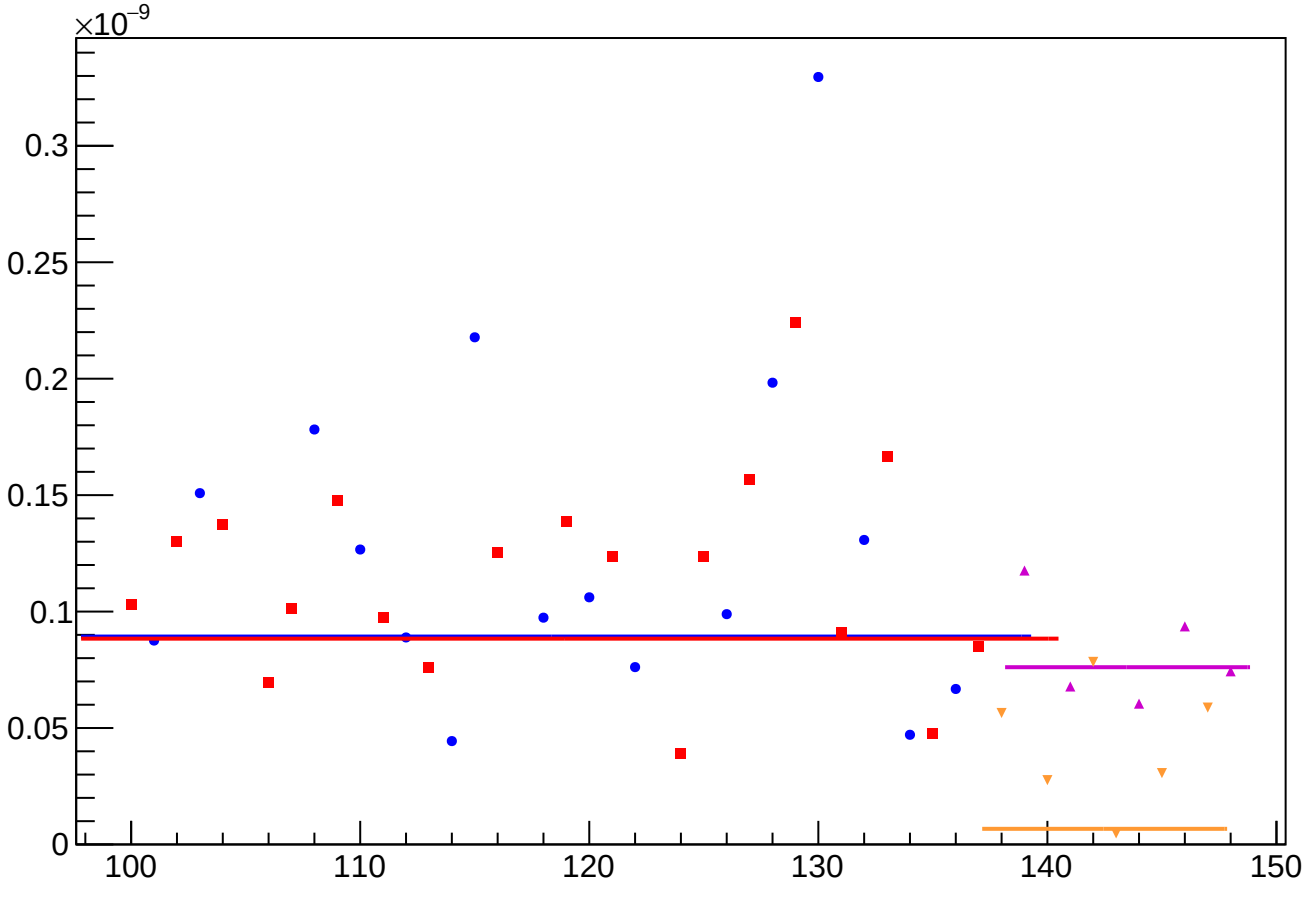
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 14.6/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/45

- sign -0.000+/-0.000 χ^2/NDF: 37.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1994901.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

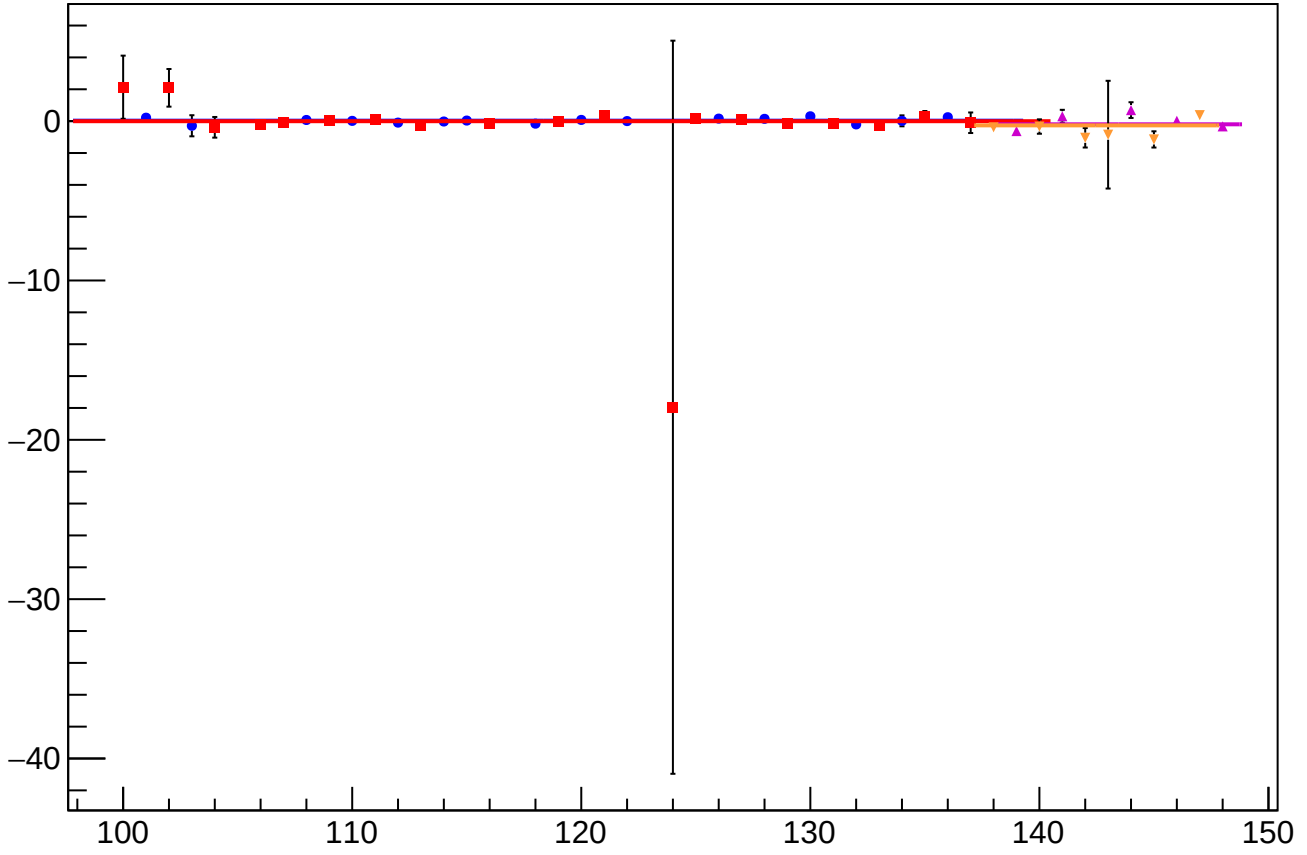
Left In: 0.000+/-0.000 χ^2/NDF:225276.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 7118808.7/21

All: 0.000+/-0.000 χ^2/NDF: 15108242.4/45

- sign 0.000+/-0.000 χ^2/NDF: 1287847.9/23

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

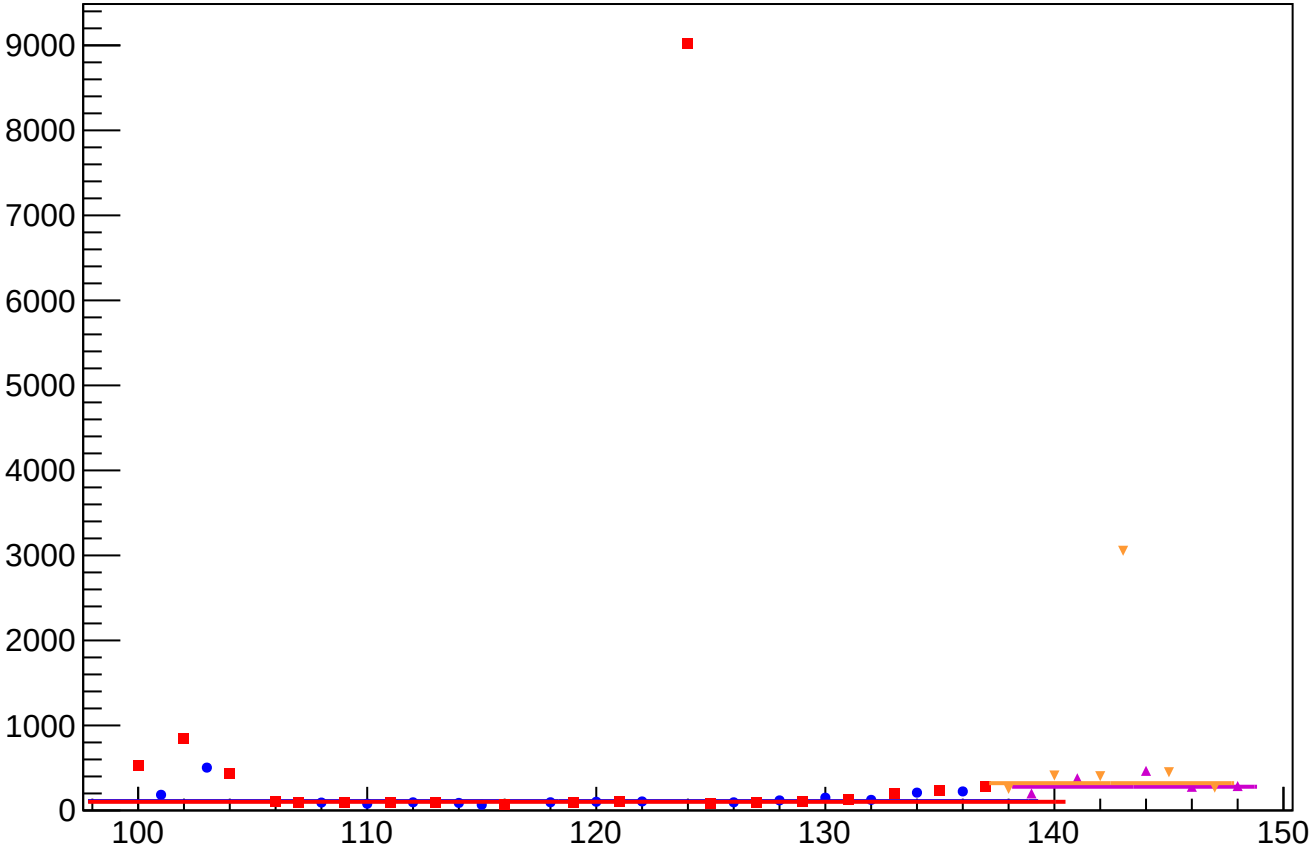
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.006+/-0.030 χ^2/NDF: 54.4/45

- sign -0.020+/-0.041 χ^2/NDF: 33.0/23

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

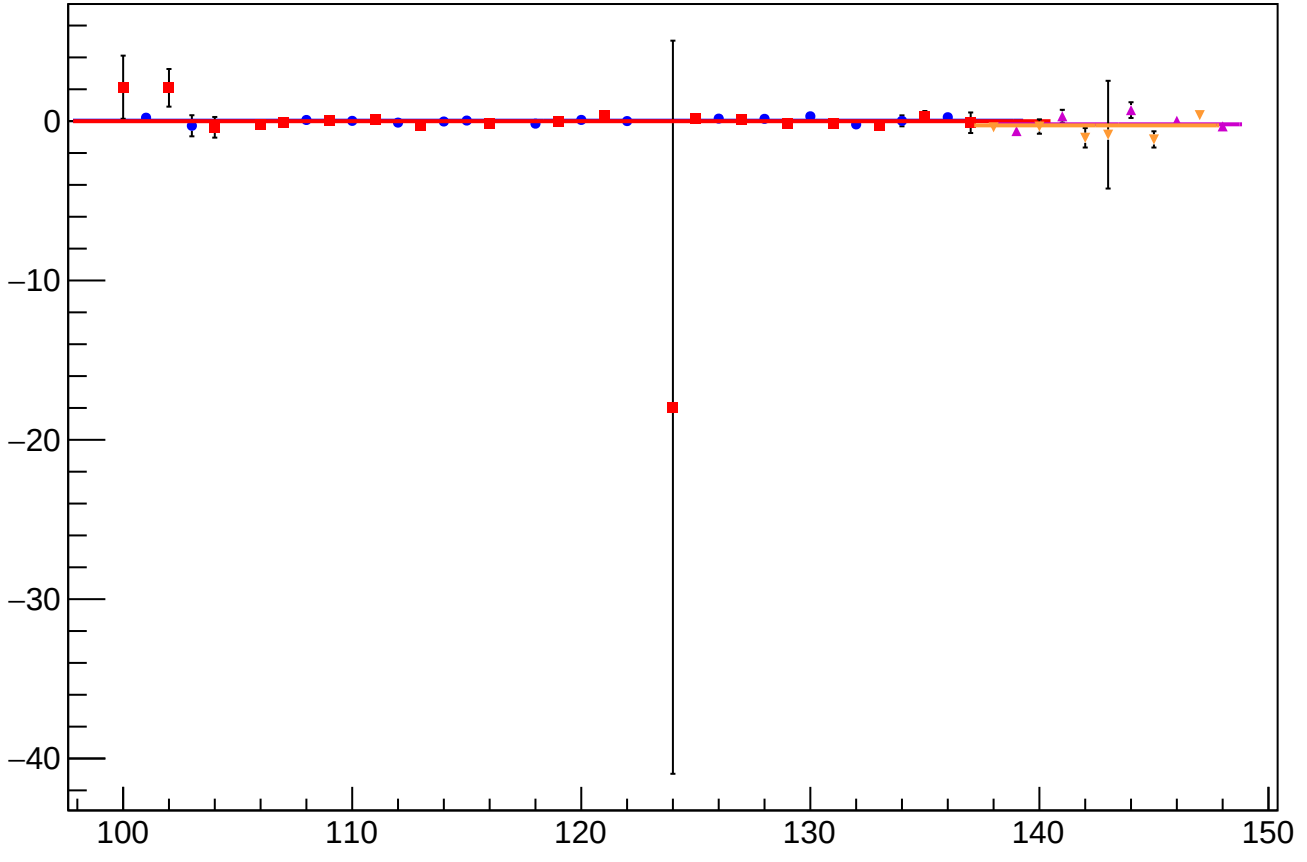
Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

+ sign 123.987+/-0.031 χ^2/NDF: 6529981.9/21

All: 120.335+/-0.021 χ^2/NDF: 12650658.3/45

- sign 117.058+/-0.029 χ^2/NDF: 6094266.7/23

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

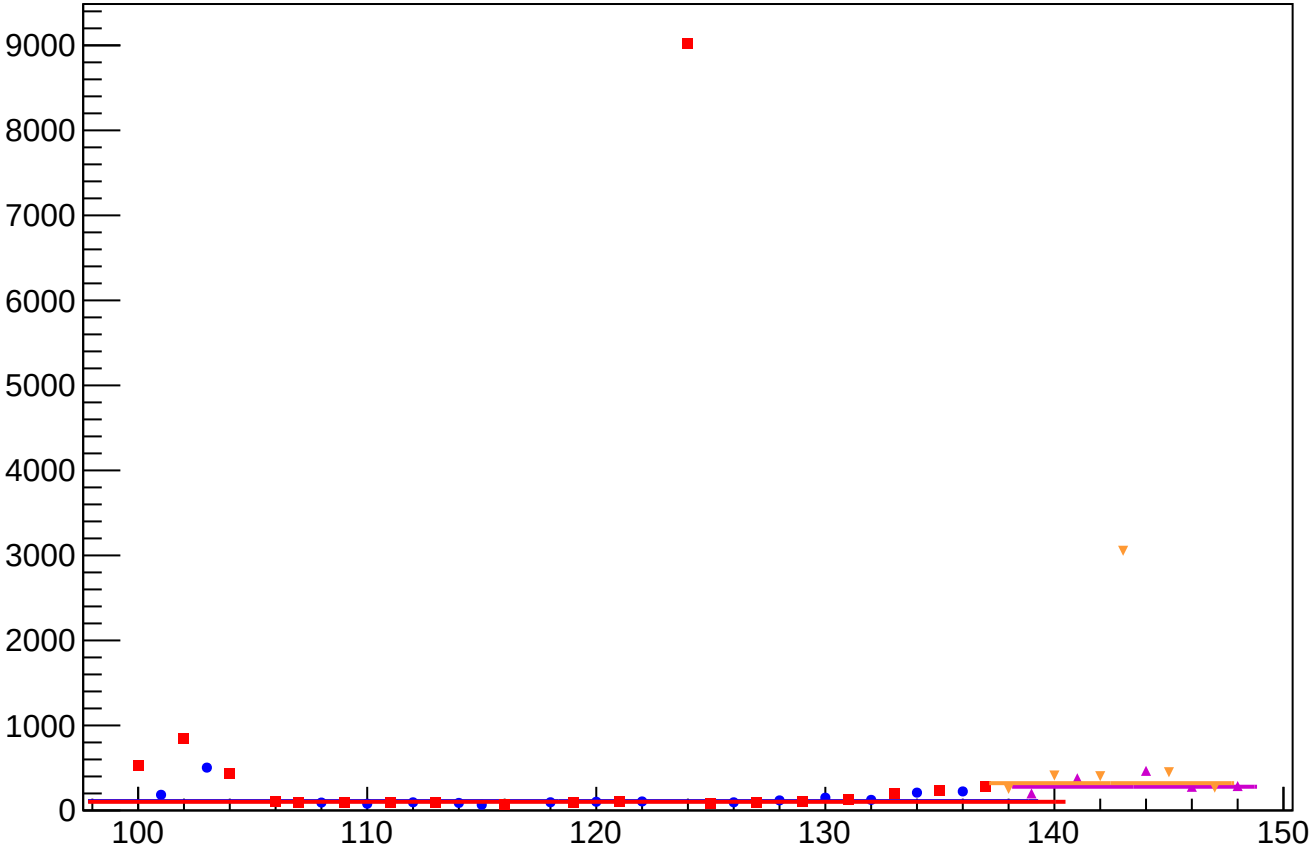
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.006+/-0.030 χ^2/NDF: 54.4/45

- sign -0.020+/-0.041 χ^2/NDF: 33.0/23

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

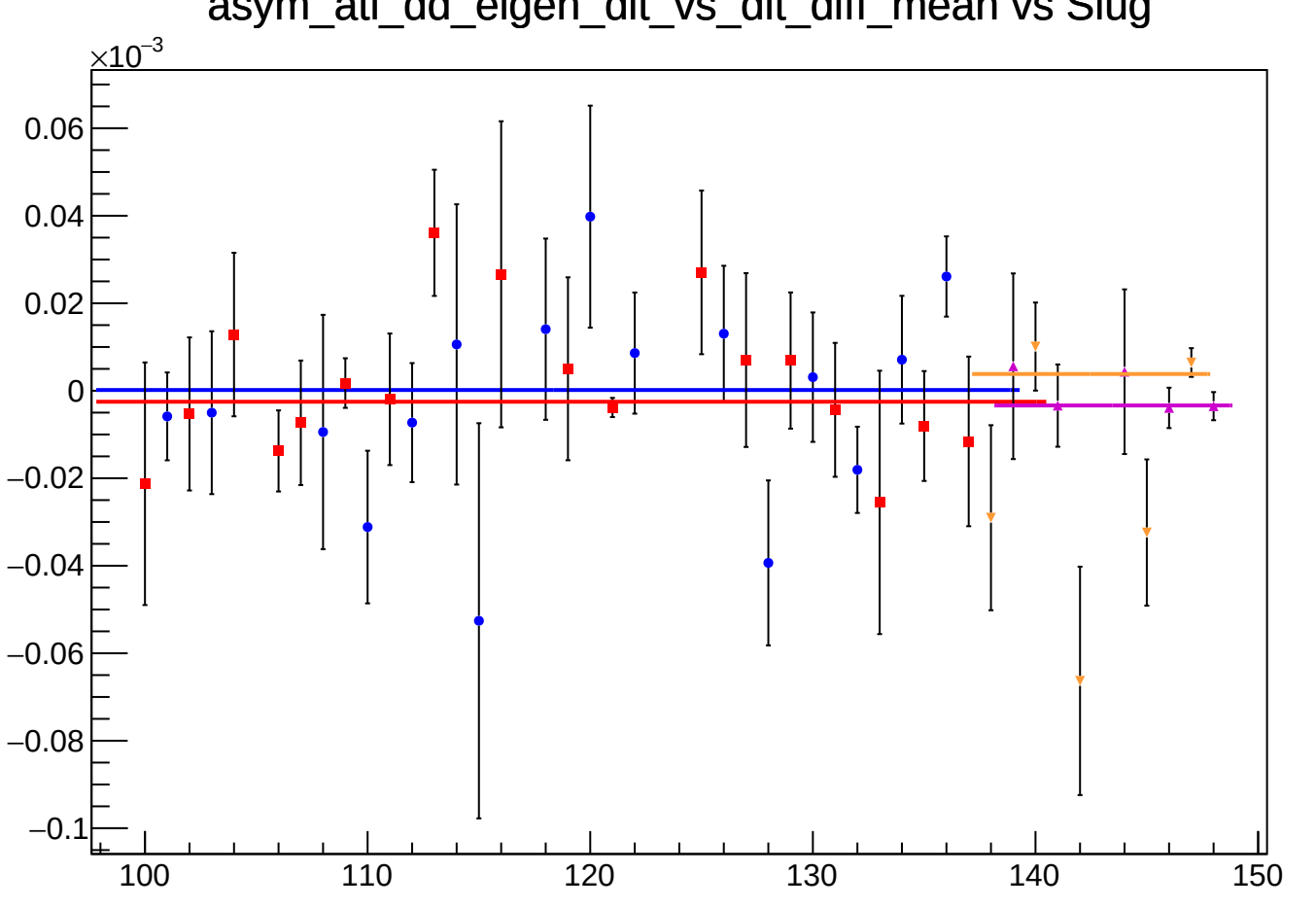
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

+ sign 123.987+/-0.031 χ^2/NDF: 6529981.9/21

All: 120.335+/-0.021 χ^2/NDF: 12650658.3/45

- sign 117.058+/-0.029 χ^2/NDF: 6094266.7/23



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

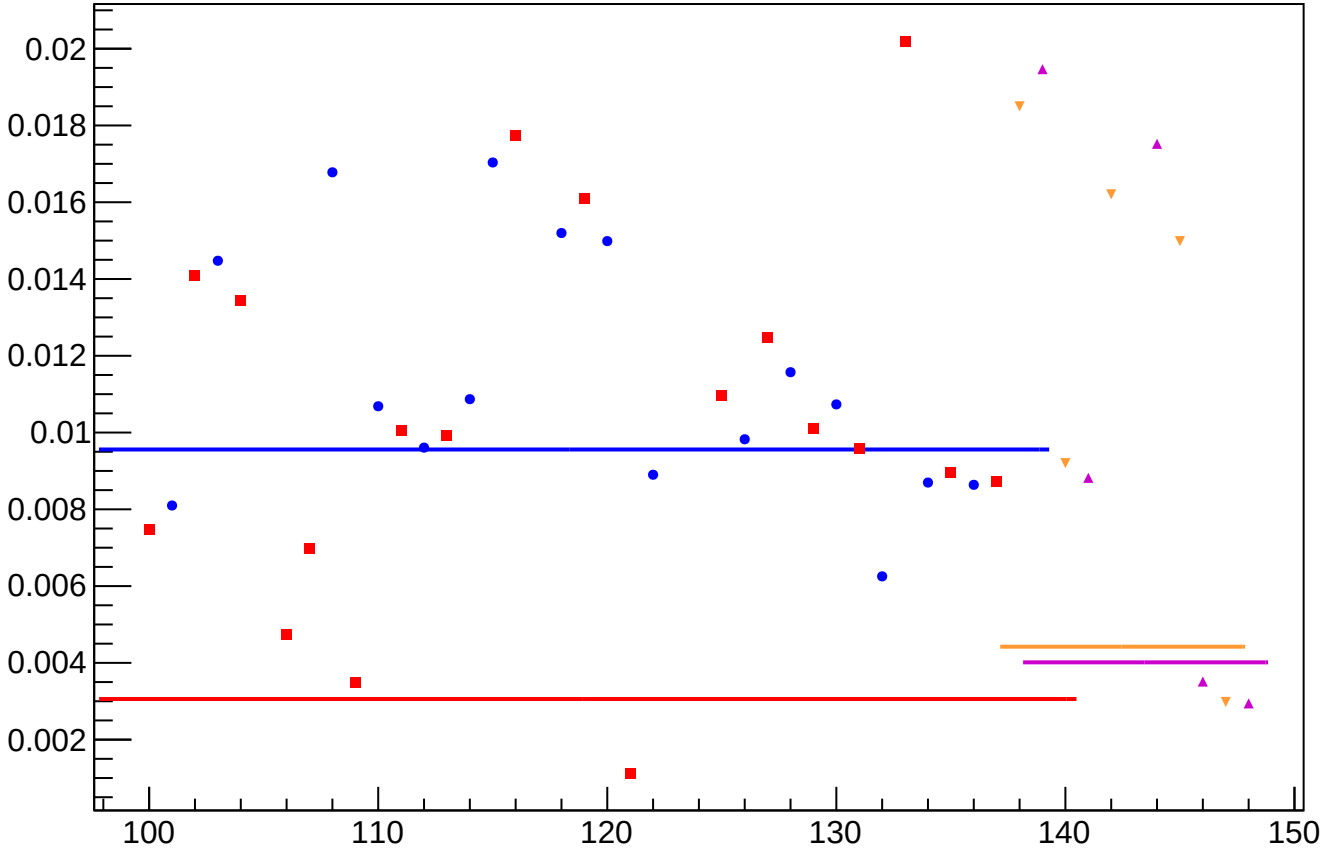
Left In: -0.000+/-0.000 χ^2/NDF:0.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/20

All: -0.000+/-0.000 χ^2/NDF: 61.3/43

- sign -0.000+/-0.000 χ^2/NDF: 16.2/22

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

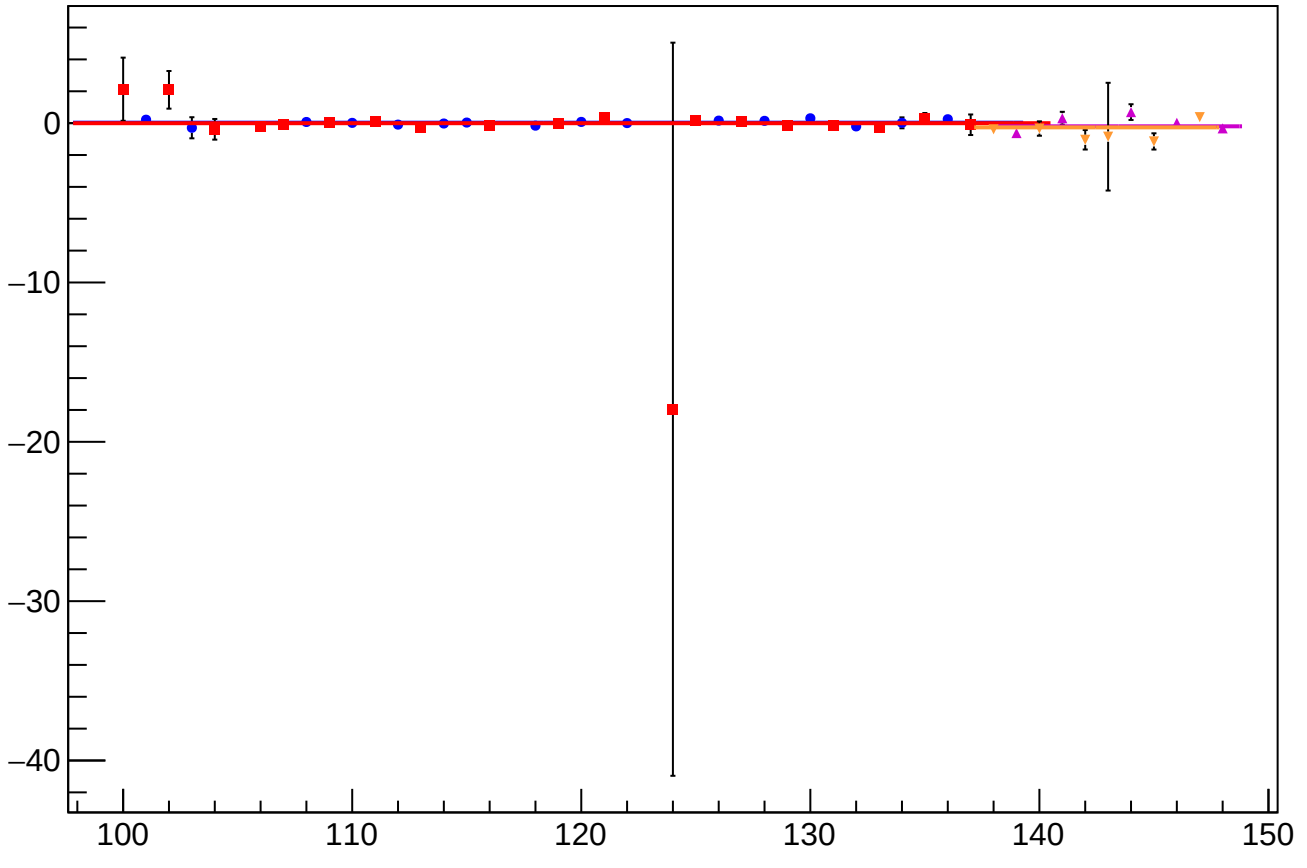
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:2858039.7/4

+ sign 0.006+/-0.000 χ^2/NDF: 6150605.2/20

All: 0.004+/-0.000 χ^2/NDF: 19760060.4/43

- sign 0.003+/-0.000 χ^2/NDF: 11170567.7/22



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

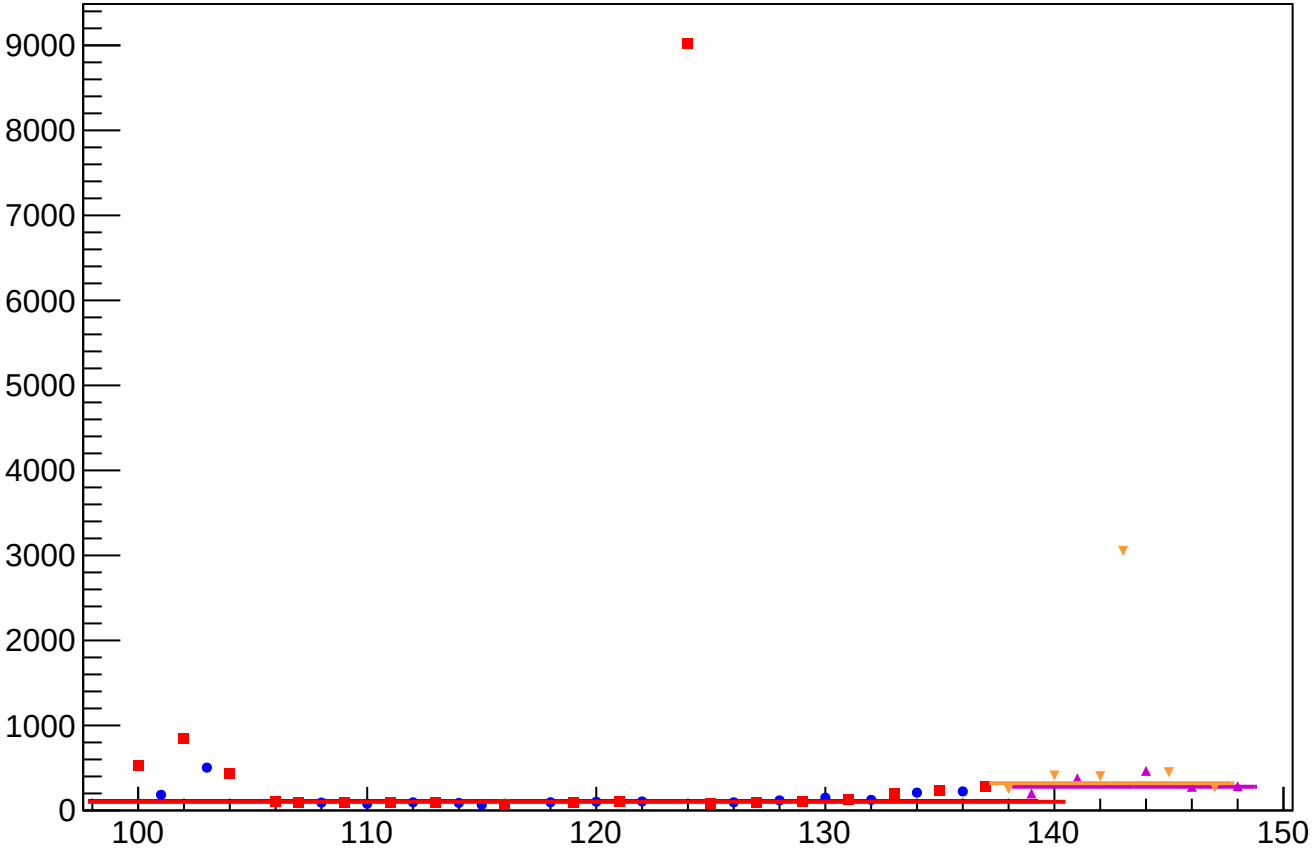
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.006+/-0.030 χ^2/NDF: 54.4/45

- sign -0.020+/-0.041 χ^2/NDF: 33.0/23

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

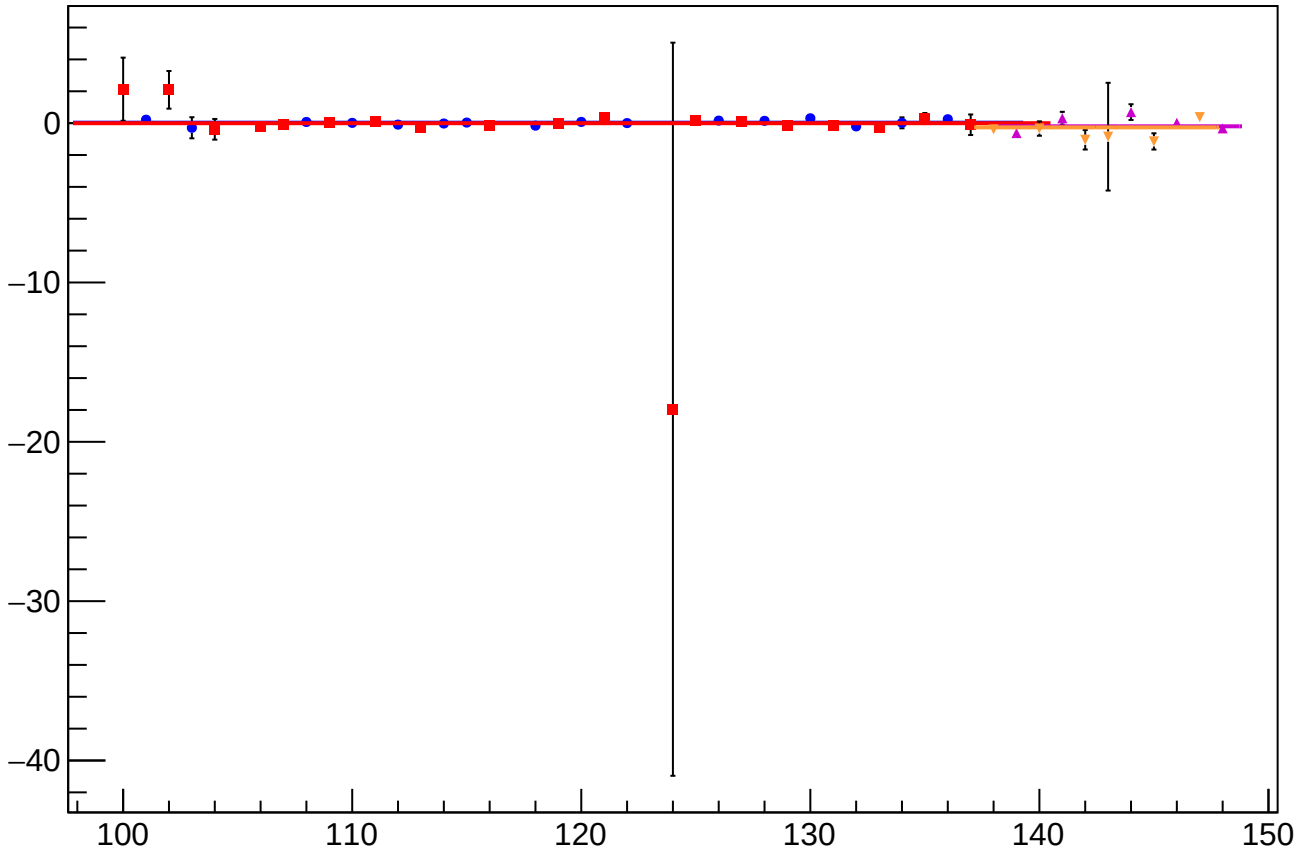
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

+ sign 123.988+/-0.031 χ^2/NDF: 6529931.4/21

All: 120.336+/-0.021 χ^2/NDF: 12650521.1/45

- sign 117.059+/-0.029 χ^2/NDF: 6094183.9/23



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

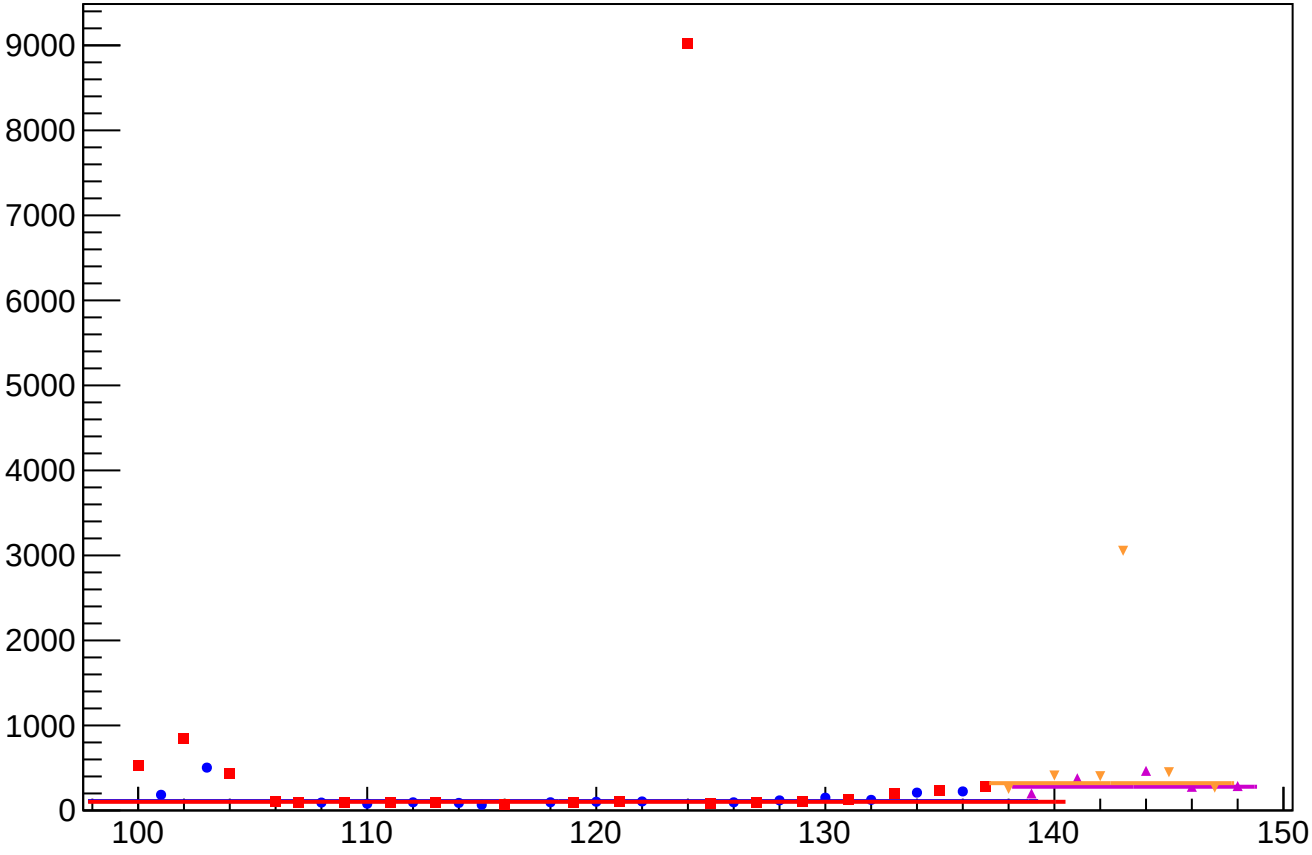
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.009+/-0.044 χ^2/NDF: 21.2/21

All: -0.006+/-0.030 χ^2/NDF: 54.4/45

- sign -0.020+/-0.041 χ^2/NDF: 33.0/23

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

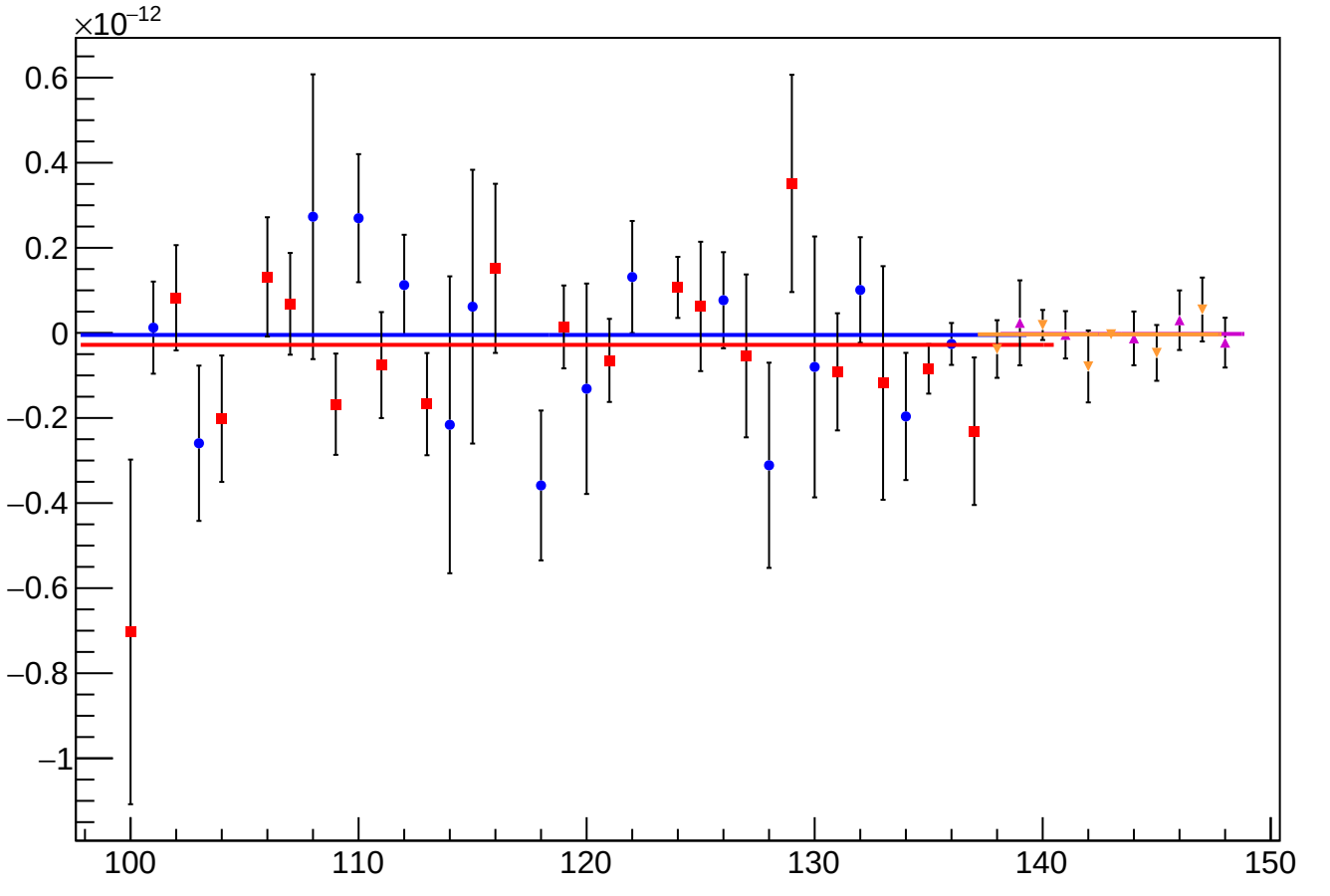
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

+ sign 123.988+/-0.031 χ^2/NDF: 6529931.4/21

All: 120.336+/-0.021 χ^2/NDF: 12650521.1/45

- sign 117.059+/-0.029 χ^2/NDF: 6094183.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

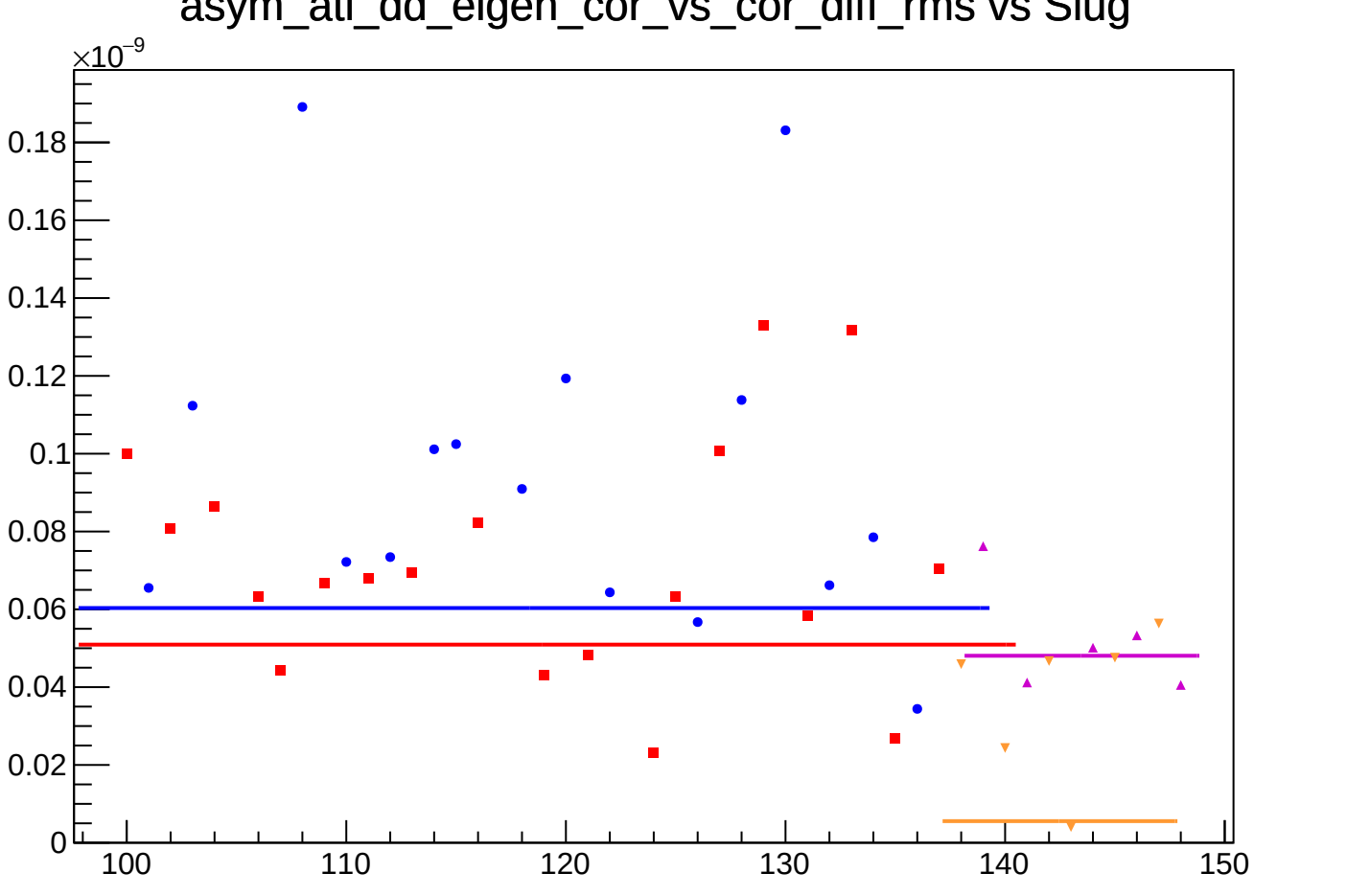
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/4

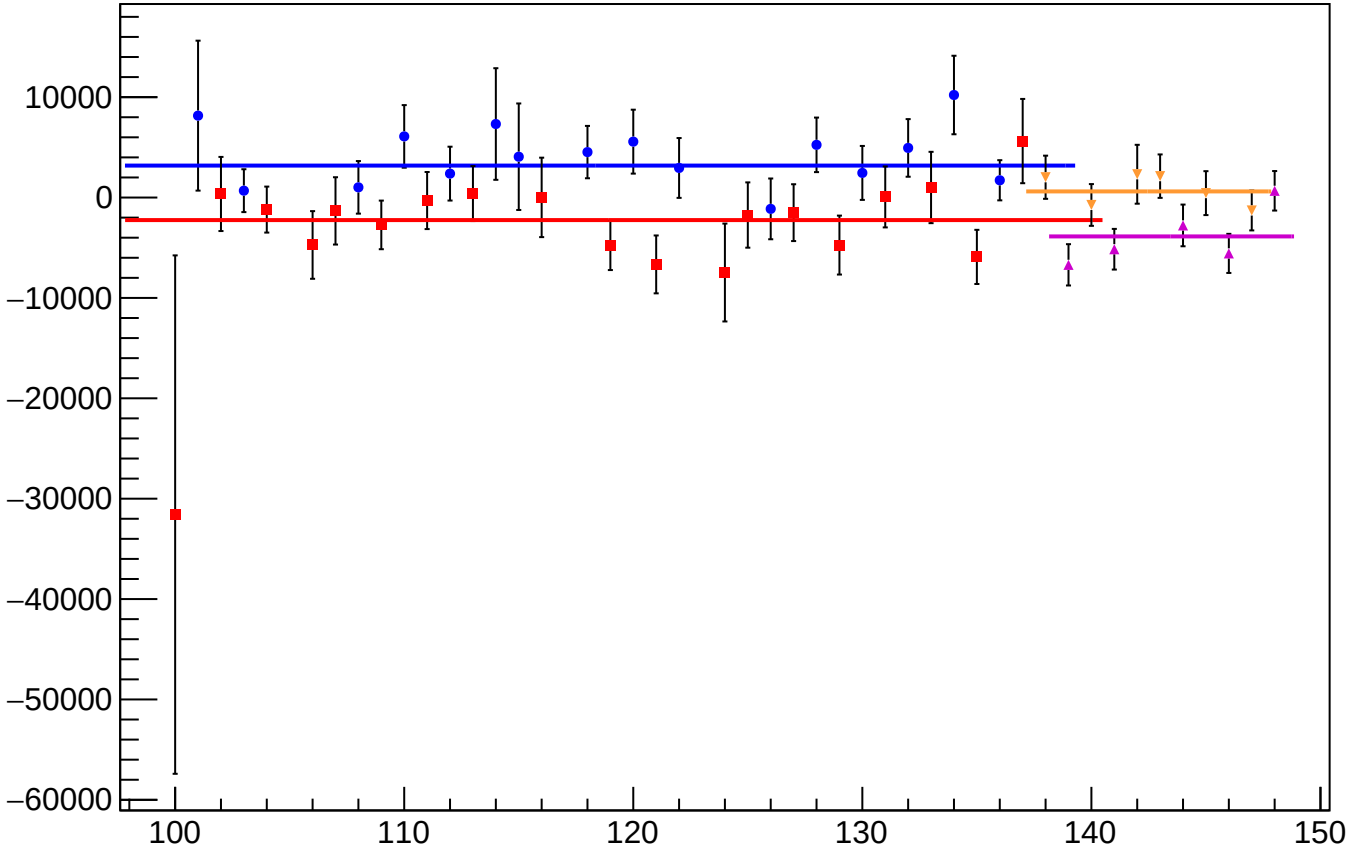
+ sign -0.000+/-0.000 χ^2/NDF: 20.0/21

All: -0.000+/-0.000 χ^2/NDF: 40.9/45

- sign -0.000+/-0.000 χ^2/NDF: 20.5/23


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3631884.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:235763.2/4
+ sign 0.000+/-0.000 χ²/NDF: 11155602.4/21
All: 0.000+/-0.000 χ²/NDF: 21532216.7/45
- sign 0.000+/-0.000 χ²/NDF: 1913038.2/23

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

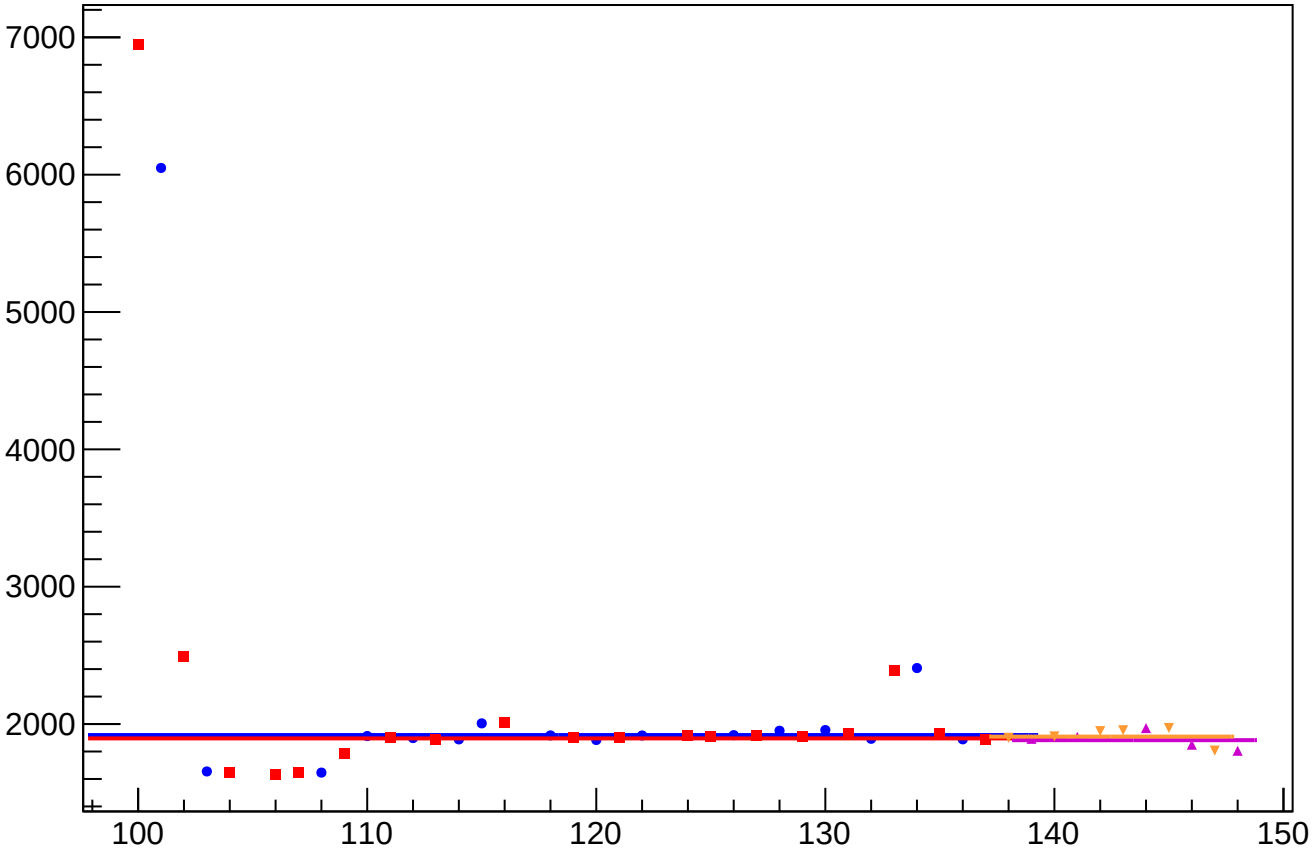
Left In: -3872.272+/-900.431 χ^2/NDF:8.7/4

+ sign 2158.002+/-566.988 χ^2/NDF: 19.2/21

All: -396.566+/-397.694 χ^2/NDF: 86.4/45

- sign -2870.506+/-557.969 χ^2/NDF: 27.2/23

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

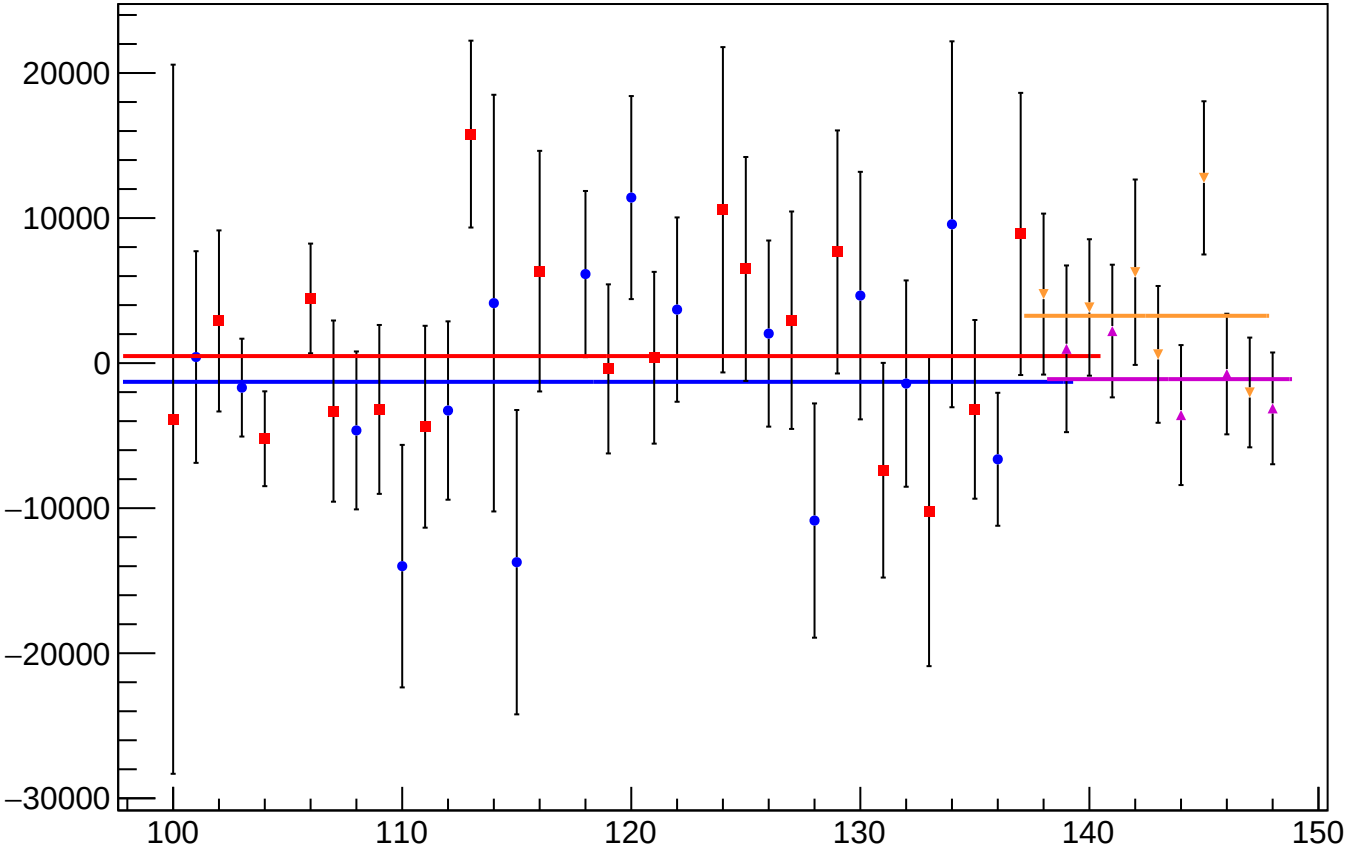
Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1915.326+/-0.401 χ^2/NDF: 705755.5/21

All: 1902.673+/-0.281 χ^2/NDF: 937793.1/45

- sign 1890.472+/-0.394 χ^2/NDF: 230081.2/23

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

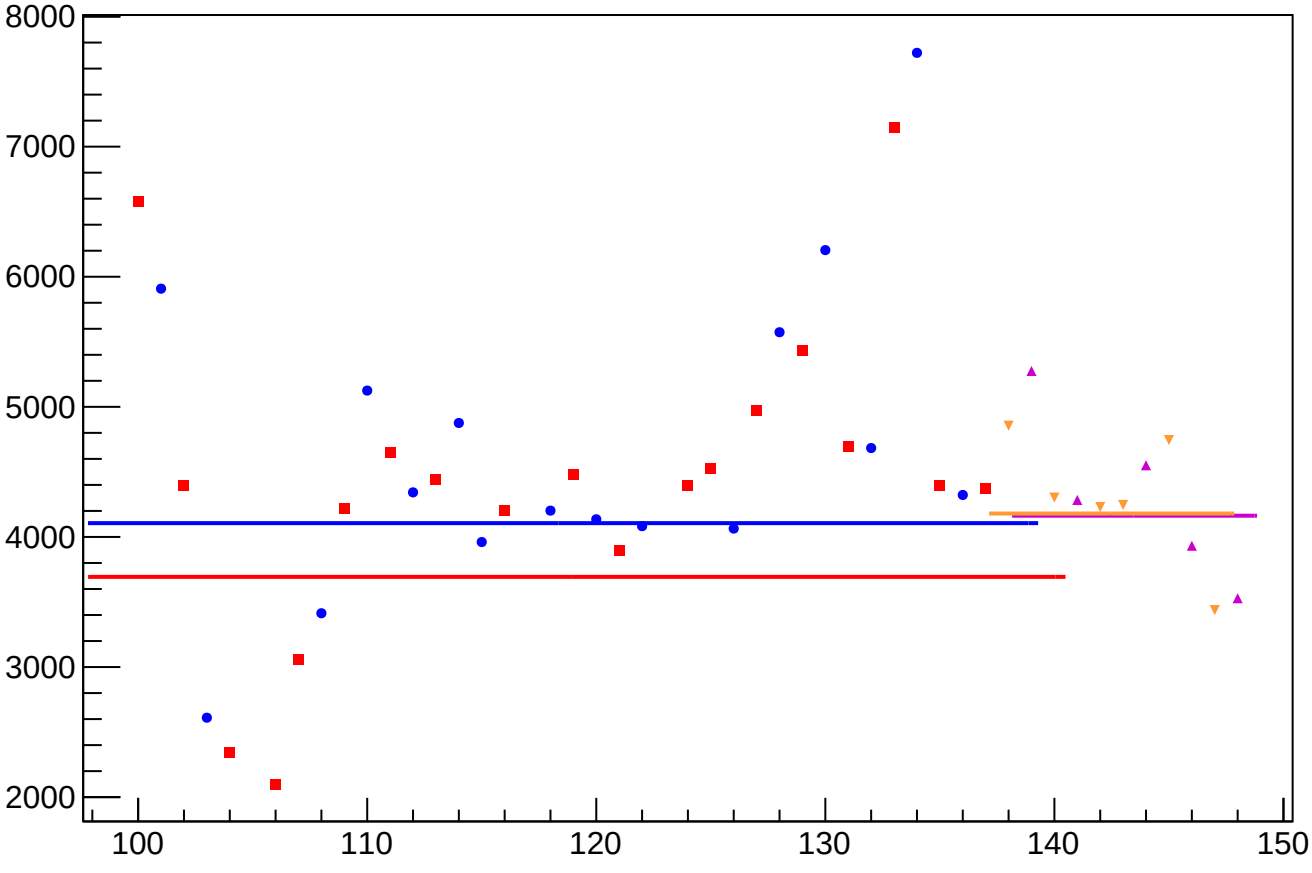
Left In: -1104.152+/-2015.020 χ^2/NDF:1.2/4

+ sign 478.814+/-1239.683 χ^2/NDF: 23.3/21

All: 198.739+/-850.967 χ^2/NDF: 42.2/45

- sign -50.827+/-1170.217 χ^2/NDF: 18.9/23

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

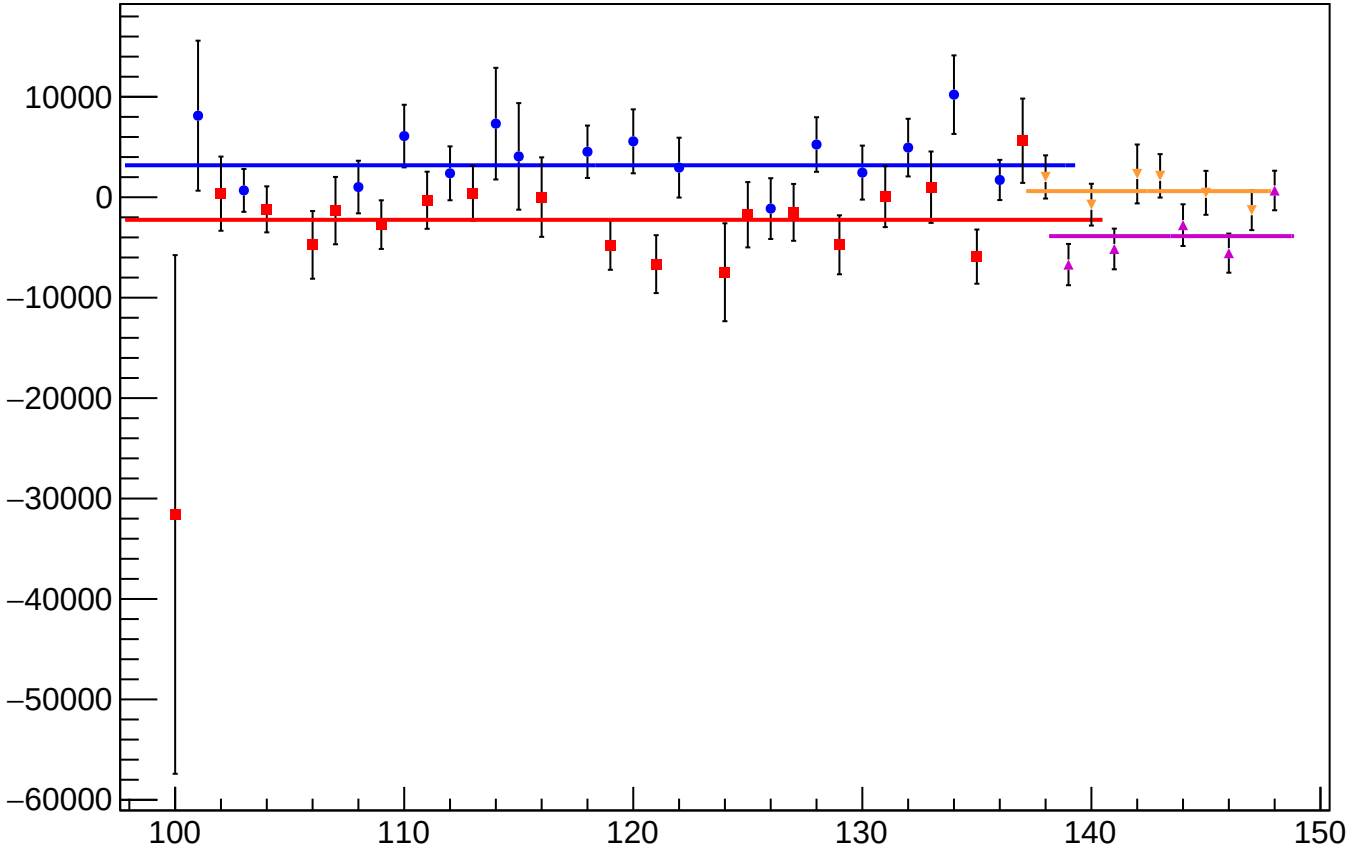
Left In: 4163.414+/-1.425 χ^2/NDF:149676.4/4

+ sign 4134.879+/-0.877 χ^2/NDF: 1089141.3/21

All: 3985.203+/-0.602 χ^2/NDF: 2722751.9/45

- sign 3851.832+/-0.827 χ^2/NDF: 1578476.5/23

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

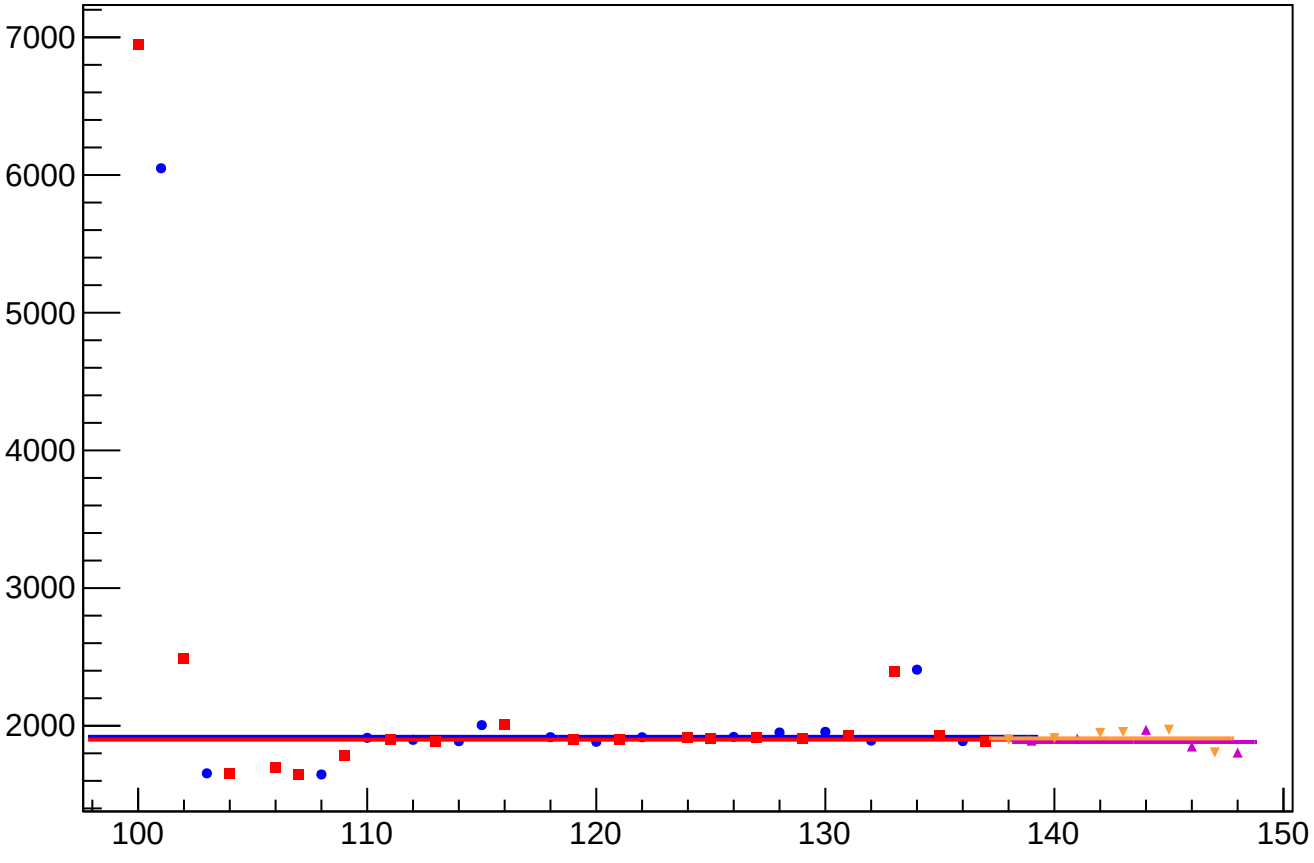
Left In: -3872.562+/-900.431 χ^2/NDF:8.7/4

+ sign 2157.566+/-566.988 χ^2/NDF: 19.2/21

All: -397.187+/-397.695 χ^2/NDF: 86.4/45

- sign -2871.322+/-557.971 χ^2/NDF: 27.2/23

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

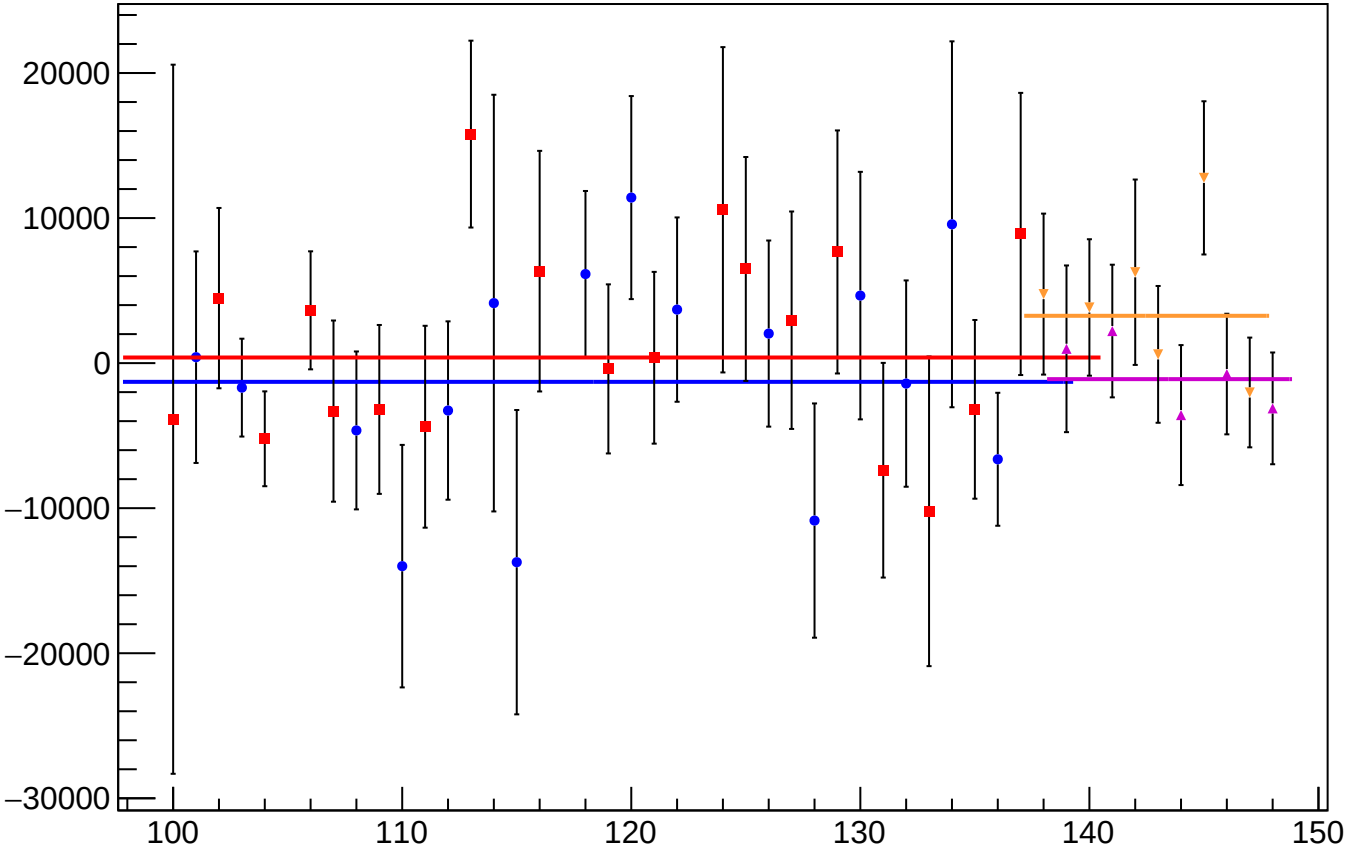
Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1915.326+/-0.401 χ^2/NDF: 705754.6/21

All: 1903.937+/-0.281 χ^2/NDF: 930982.7/45

- sign 1892.929+/-0.394 χ^2/NDF: 223641.2/23

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

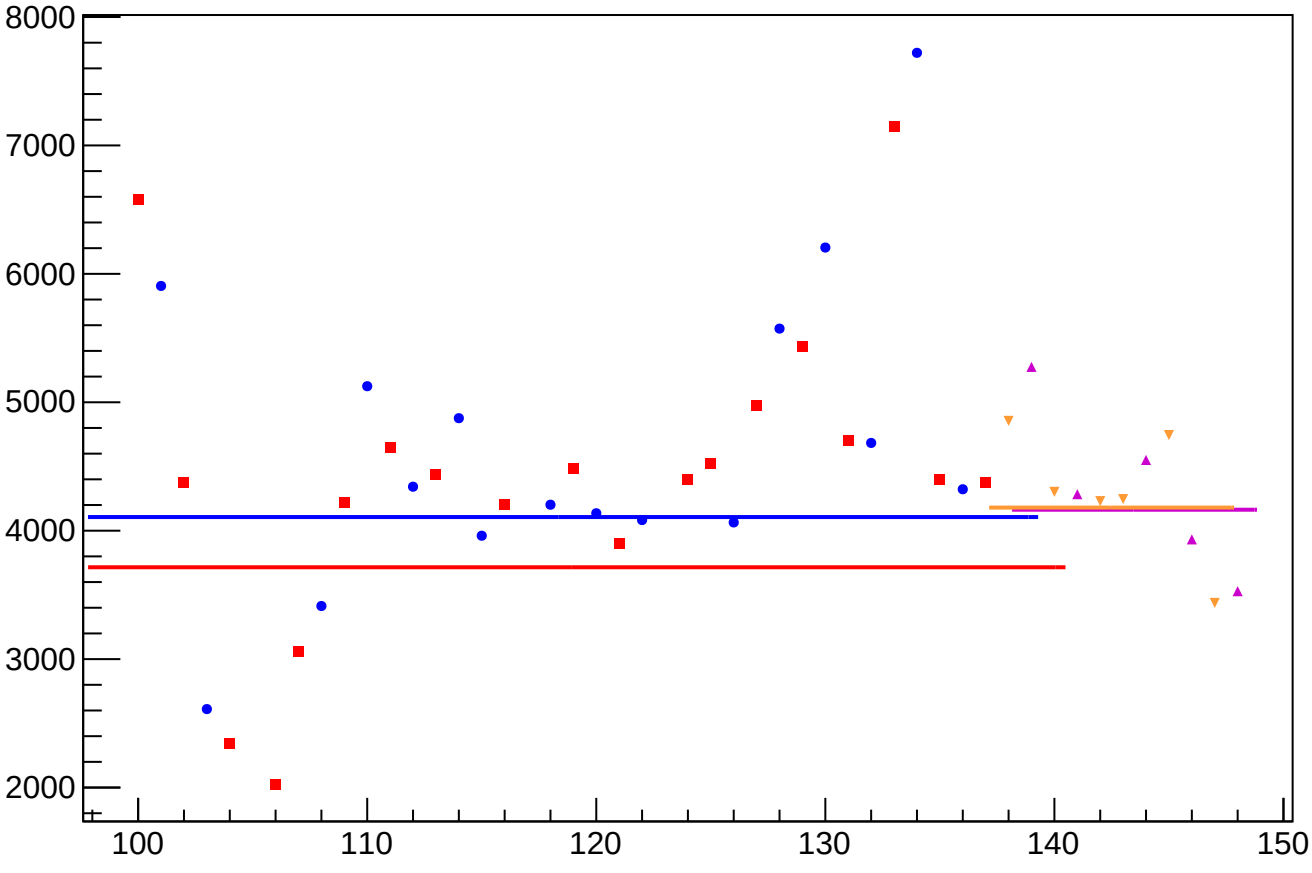
Left In: -1104.142+/-2015.021 χ^2/NDF:1.2/4

+ sign 478.615+/-1239.683 χ^2/NDF: 23.3/21

All: 162.928+/-853.858 χ^2/NDF: 42.0/45

- sign -122.012+/-1177.768 χ^2/NDF: 18.6/23

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

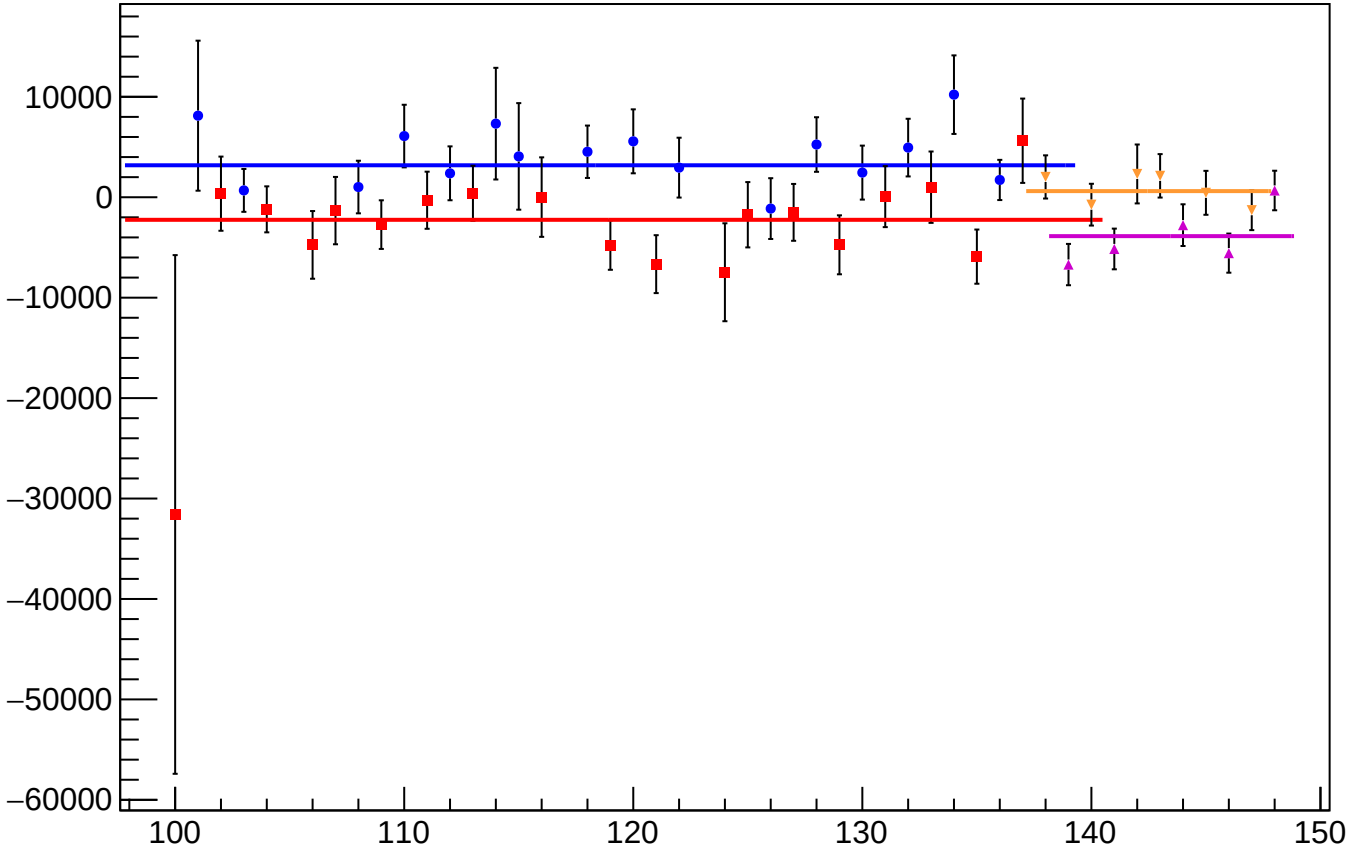
Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

+ sign 4134.931+/-0.877 χ^2/NDF: 1088633.0/21

All: 3994.805+/-0.604 χ^2/NDF: 2687179.7/45

- sign 3868.327+/-0.833 χ^2/NDF: 1549928.8/23

eigen_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

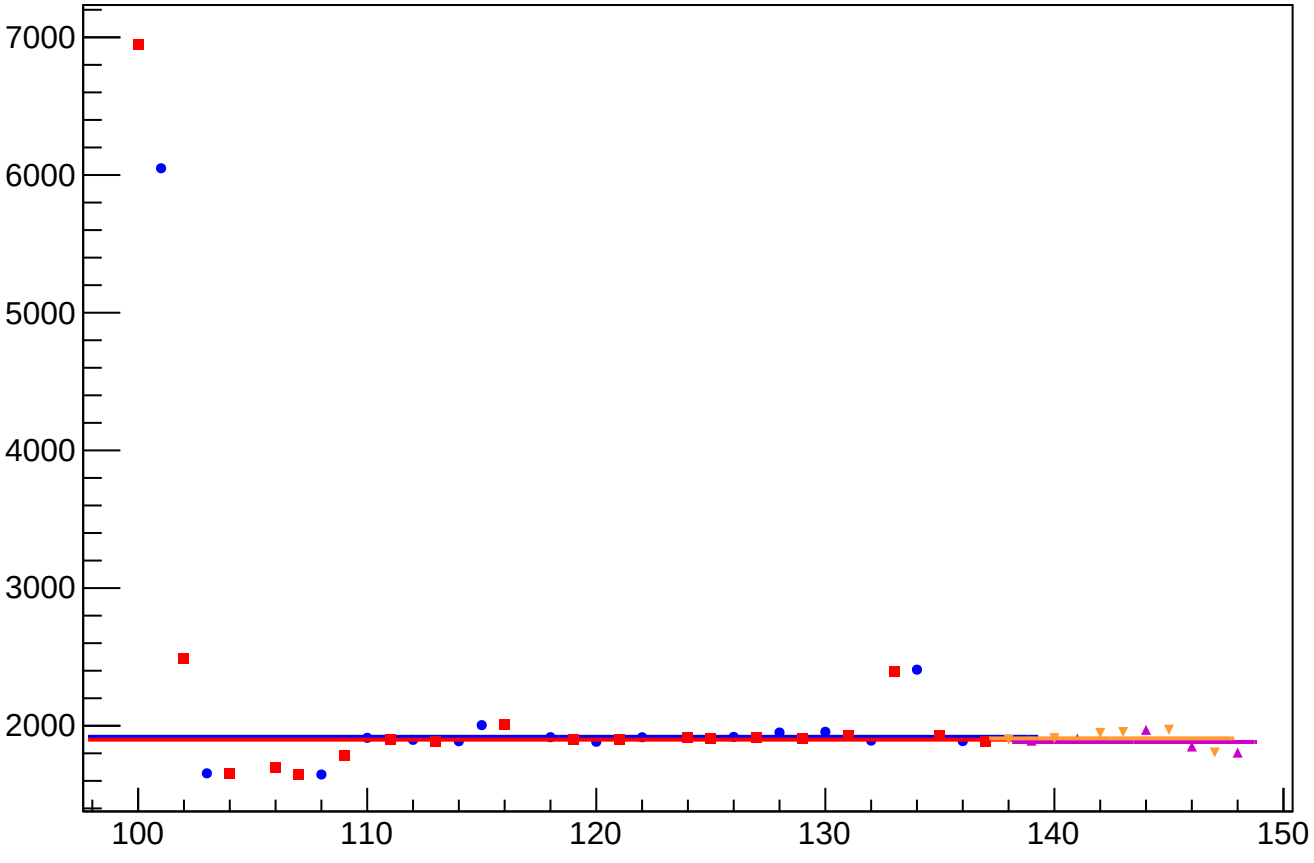
Left In: -3872.562+/-900.431 χ^2/NDF:8.7/4

+ sign 2157.566+/-566.988 χ^2/NDF: 19.2/21

All: -397.187+/-397.695 χ^2/NDF: 86.4/45

- sign -2871.322+/-557.971 χ^2/NDF: 27.2/23

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

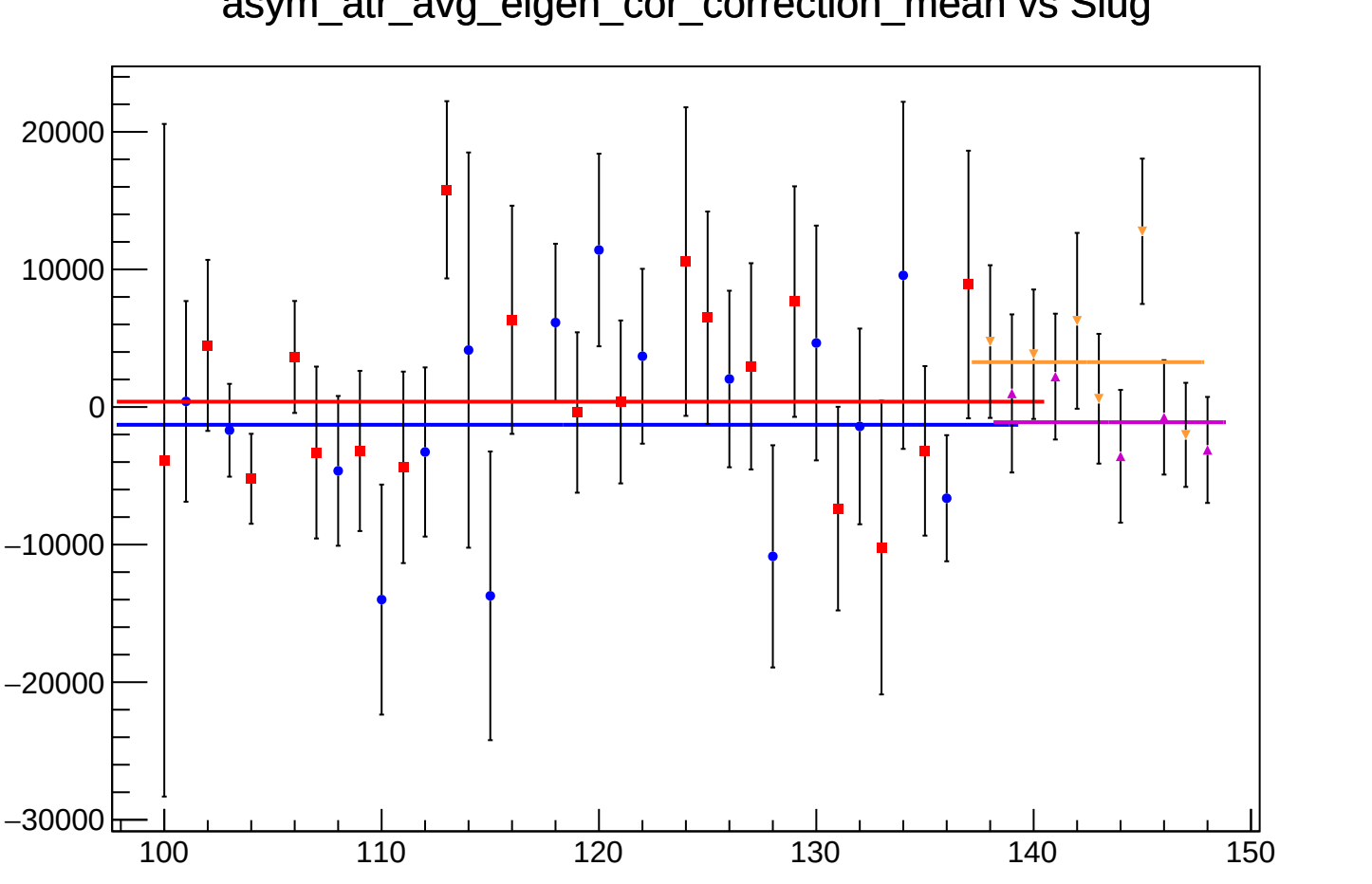
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1915.326+/-0.401 χ^2/NDF: 705754.6/21

All: 1903.937+/-0.281 χ^2/NDF: 930982.7/45

- sign 1892.929+/-0.394 χ^2/NDF: 223641.2/23



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

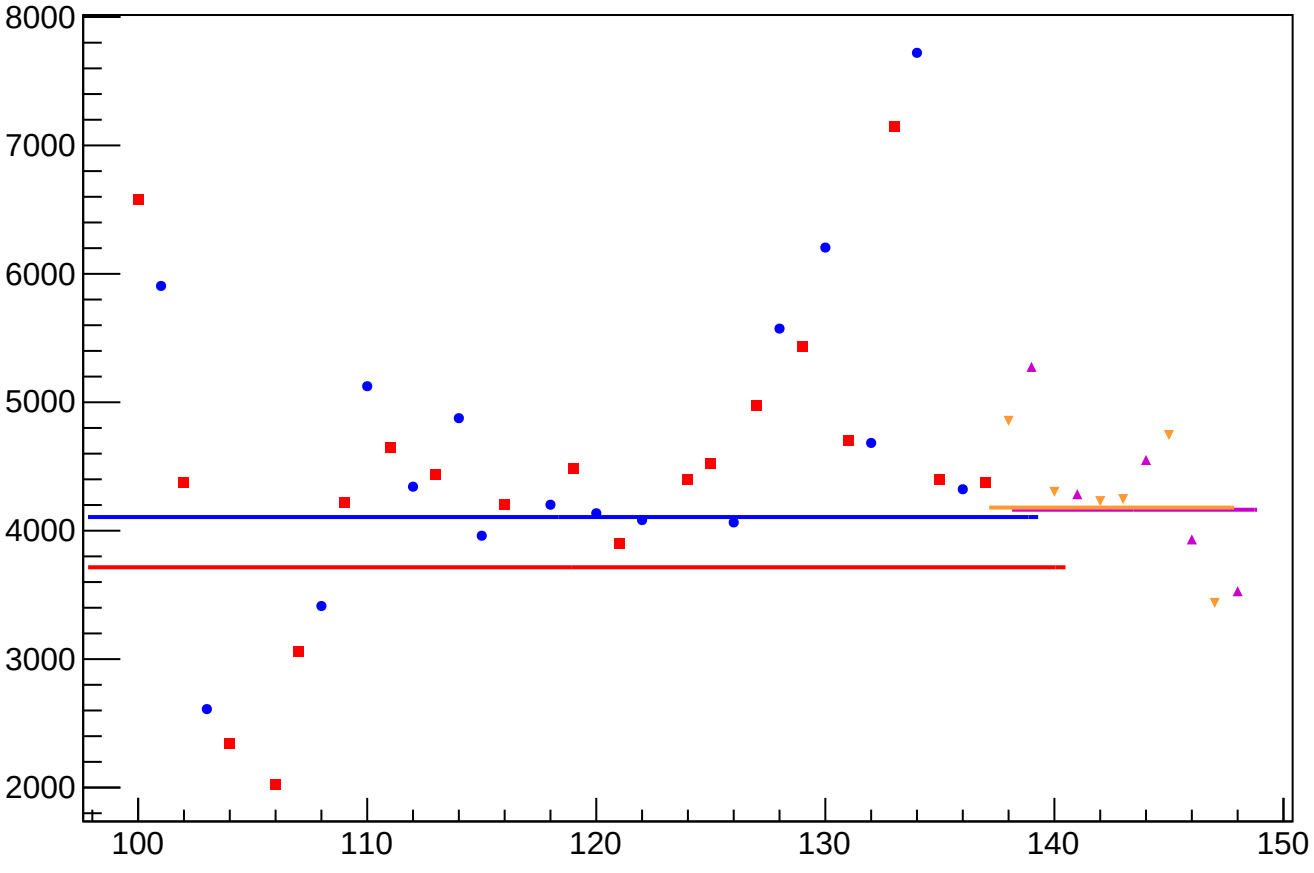
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1104.142+/-2015.021 χ^2/NDF:1.2/4

+ sign 478.615+/-1239.683 χ^2/NDF: 23.3/21

All: 162.928+/-853.858 χ^2/NDF: 42.0/45

- sign -122.012+/-1177.768 χ^2/NDF: 18.6/23



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

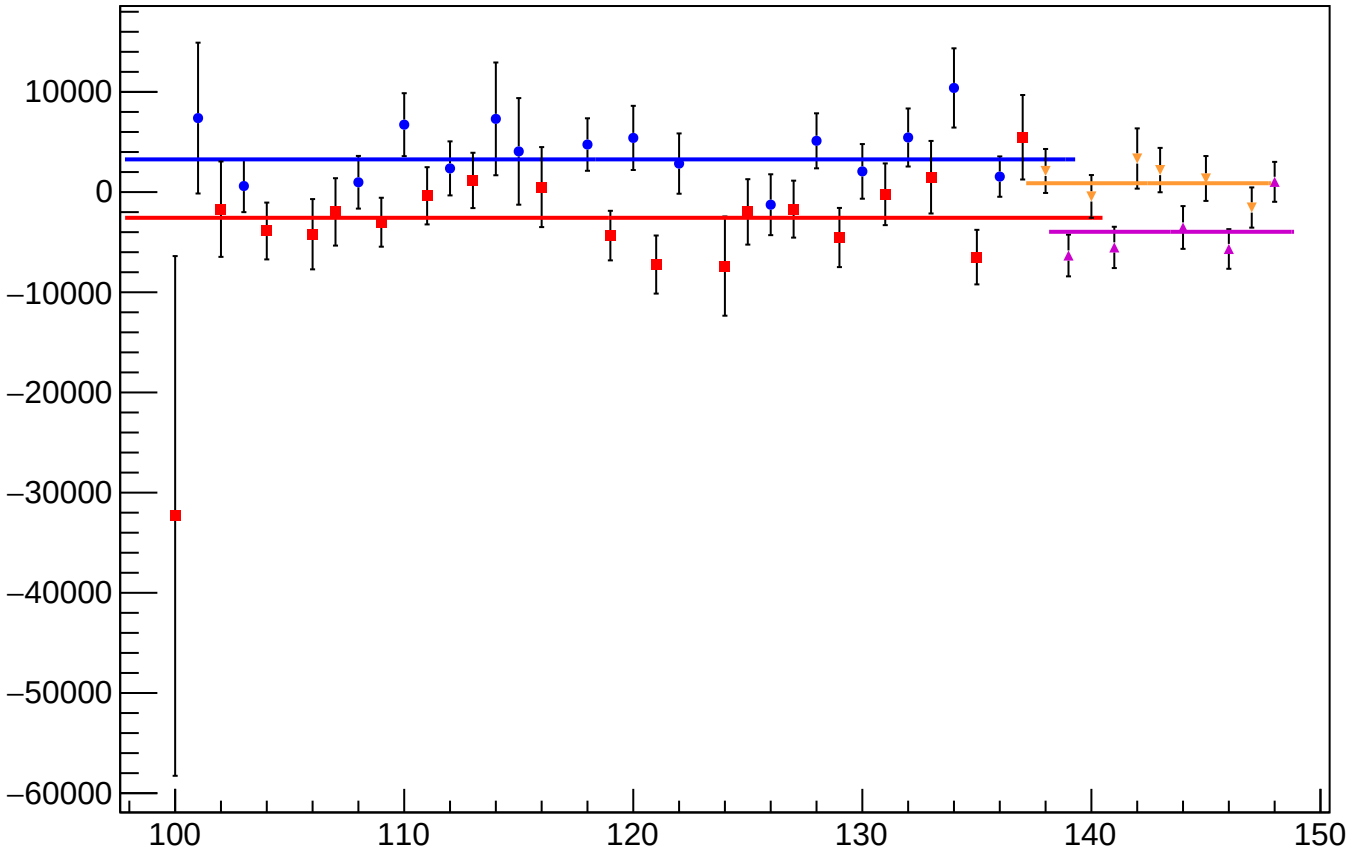
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

+ sign 4134.931+/-0.877 χ^2/NDF: 1088633.0/21

All: 3994.805+/-0.604 χ^2/NDF: 2687179.7/45

- sign 3868.327+/-0.833 χ^2/NDF: 1549928.8/23



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

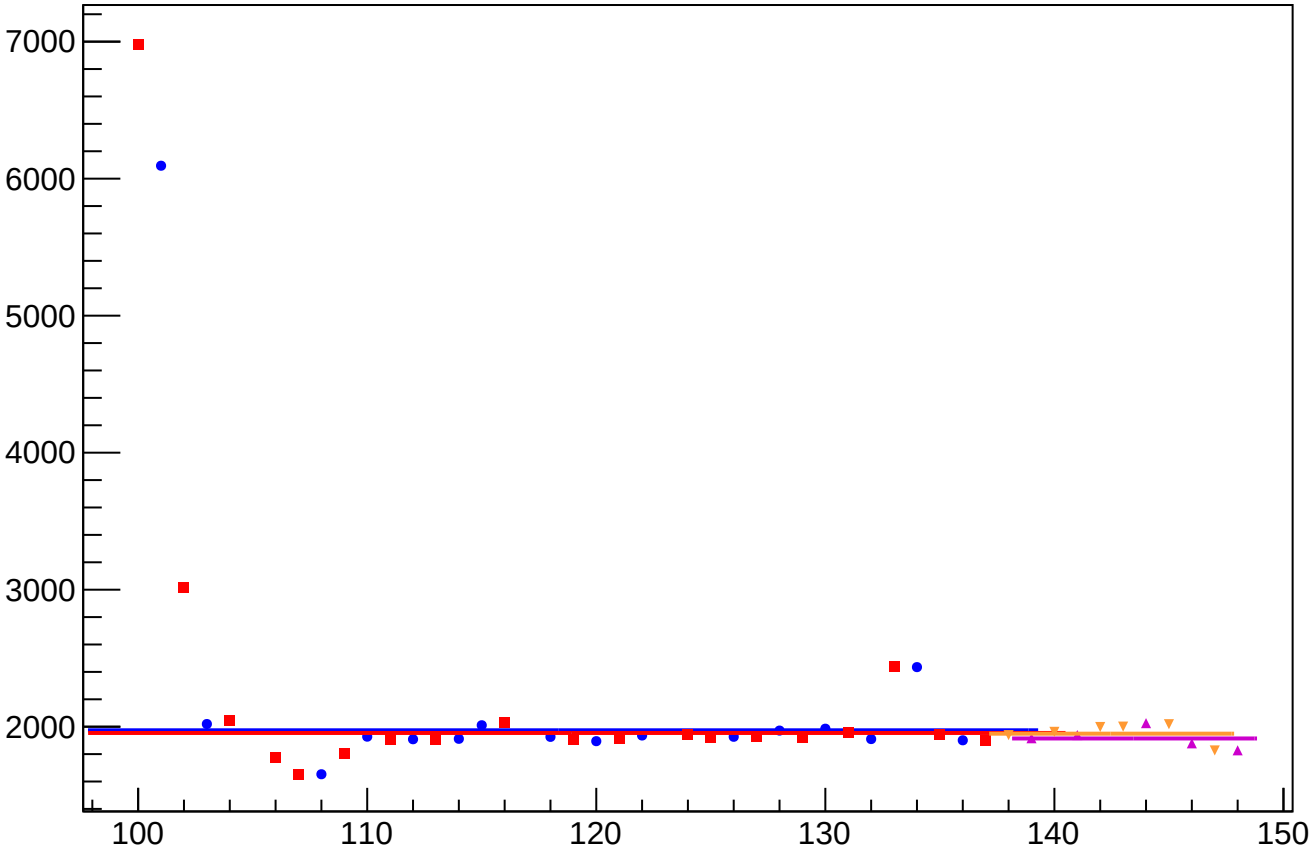
Left In: -3963.949+/-915.696 χ^2/NDF:8.9/4

+ sign 2309.353+/-581.040 χ^2/NDF: 19.4/21

All: -439.508+/-408.033 χ^2/NDF: 90.9/45

- sign -3114.060+/-573.133 χ^2/NDF: 27.4/23

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

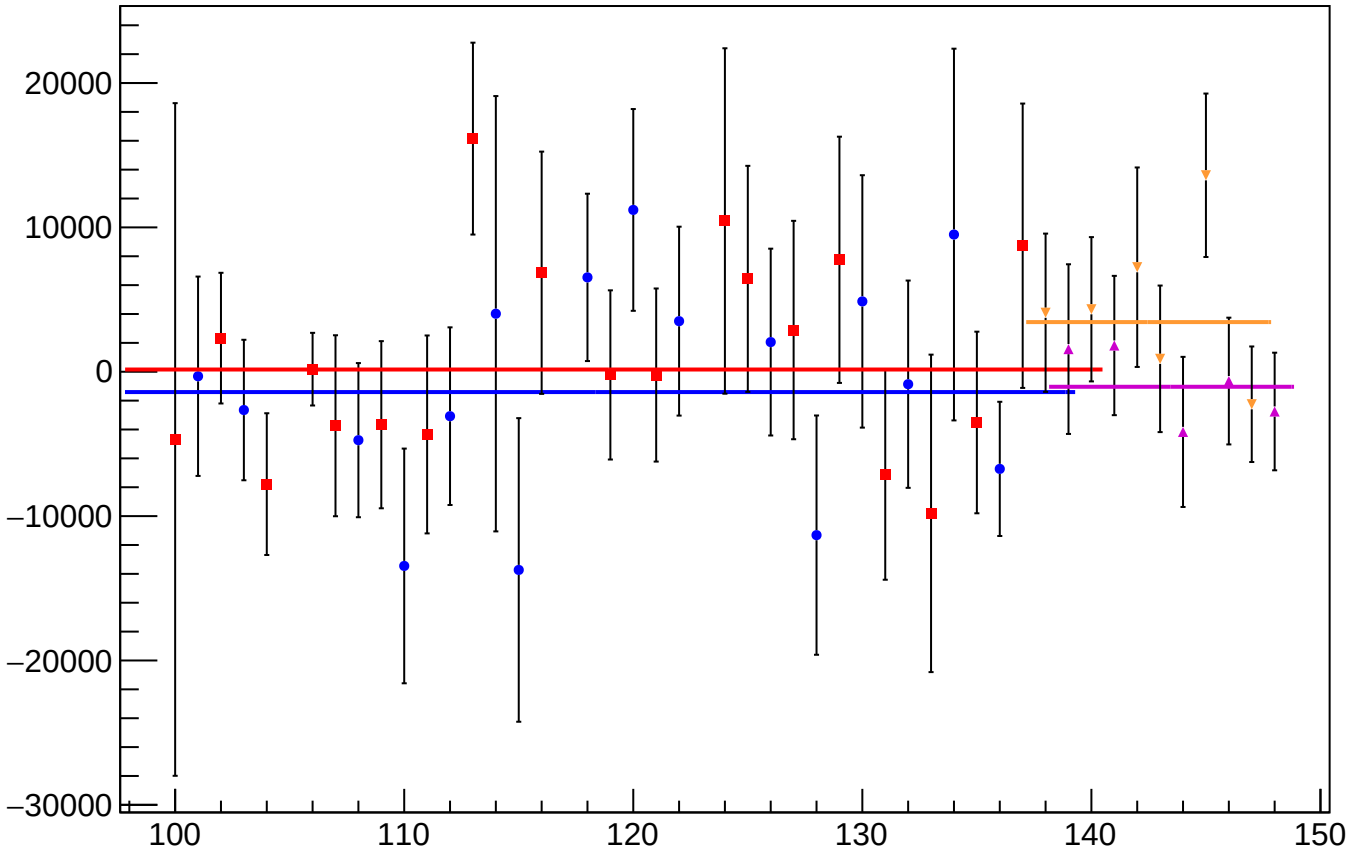
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.8/4

+ sign 1963.875+/-0.411 χ^2/NDF: 677042.0/21

All: 1951.059+/-0.288 χ^2/NDF: 937701.2/45

- sign 1938.603+/-0.405 χ^2/NDF: 258740.6/23



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

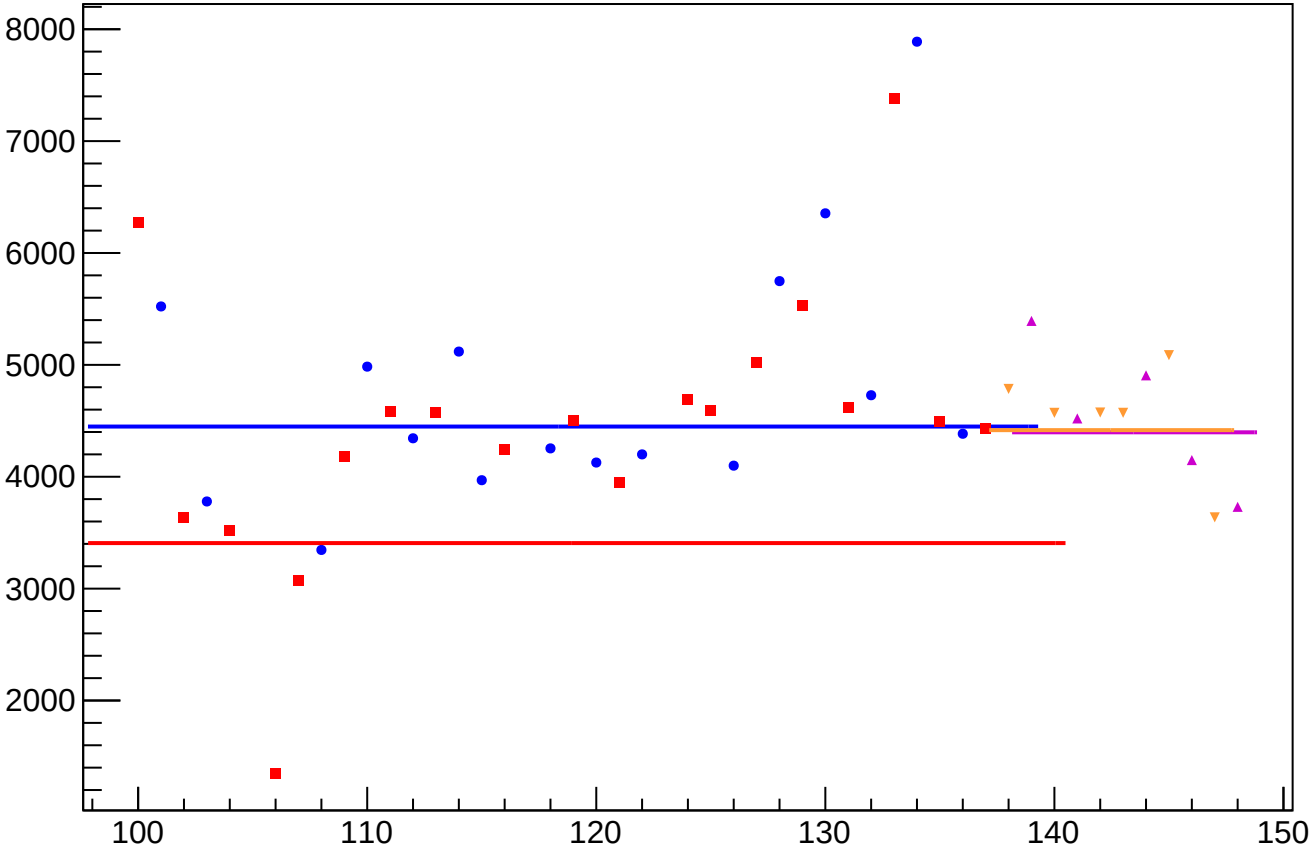
Left In: -1040.413+/-2126.930 χ^2/NDF:1.1/4

+ sign 497.881+/-1316.633 χ^2/NDF: 23.3/21

All: 105.356+/-865.263 χ^2/NDF: 40.6/45

- sign -193.041+/-1147.967 χ^2/NDF: 17.1/23

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

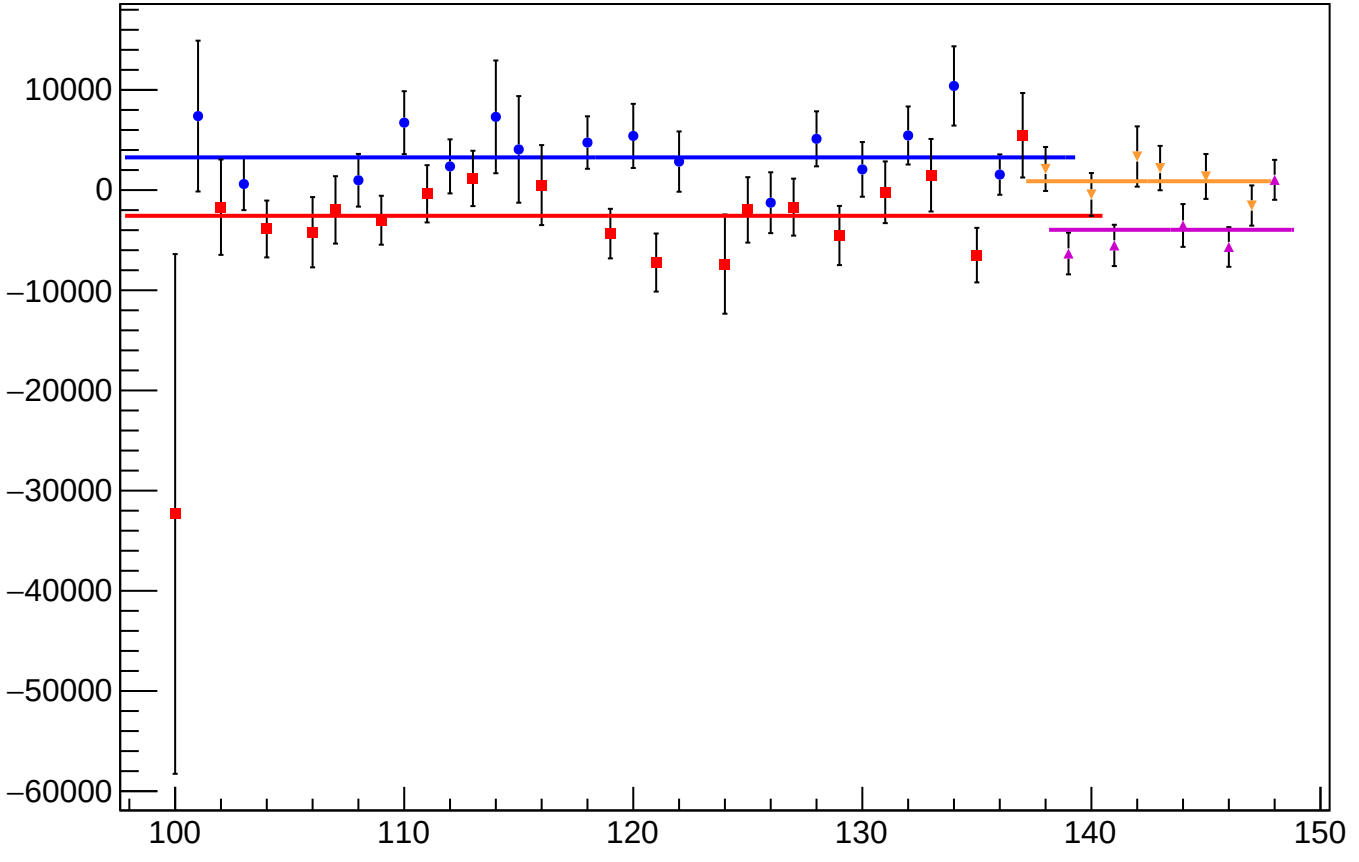
Left In: 4397.244+/-1.504 χ^2/NDF:137770.2/4

+ sign 4436.084+/-0.931 χ^2/NDF: 612679.9/21

All: 4015.378+/-0.612 χ^2/NDF: 3743097.7/45

- sign 3695.557+/-0.812 χ^2/NDF: 2770983.0/23

eigen_dit_asym_atr_avg_mean vs Slug



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

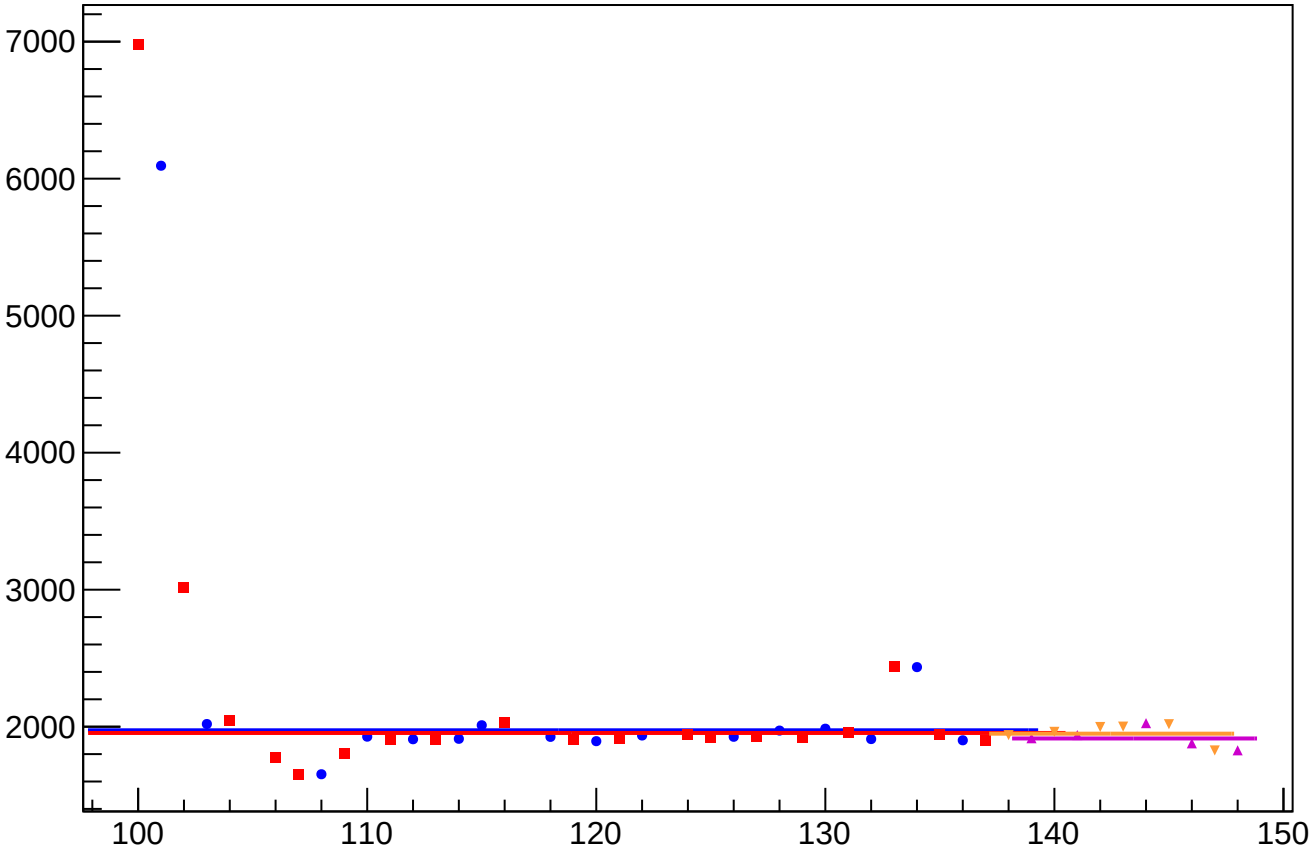
Left In: -3963.943+/-915.697 χ^2/NDF:8.9/4

+ sign 2309.357+/-581.040 χ^2/NDF: 19.4/21

All: -439.506+/-408.033 χ^2/NDF: 90.9/45

- sign -3114.061+/-573.133 χ^2/NDF: 27.4/23

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

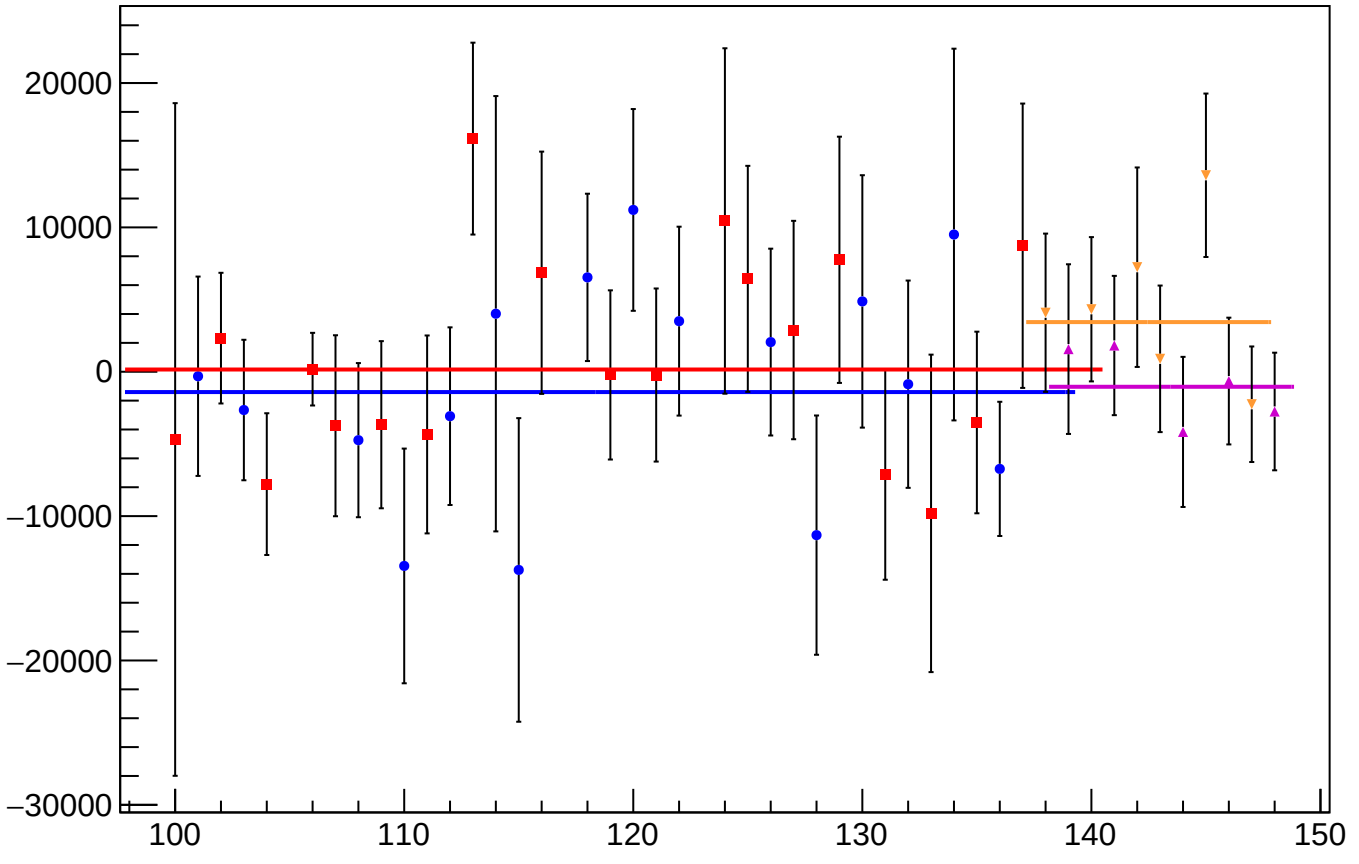
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.7/4

+ sign 1963.875+/-0.411 χ^2/NDF: 677042.0/21

All: 1951.059+/-0.288 χ^2/NDF: 937700.5/45

- sign 1938.603+/-0.405 χ^2/NDF: 258739.9/23



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

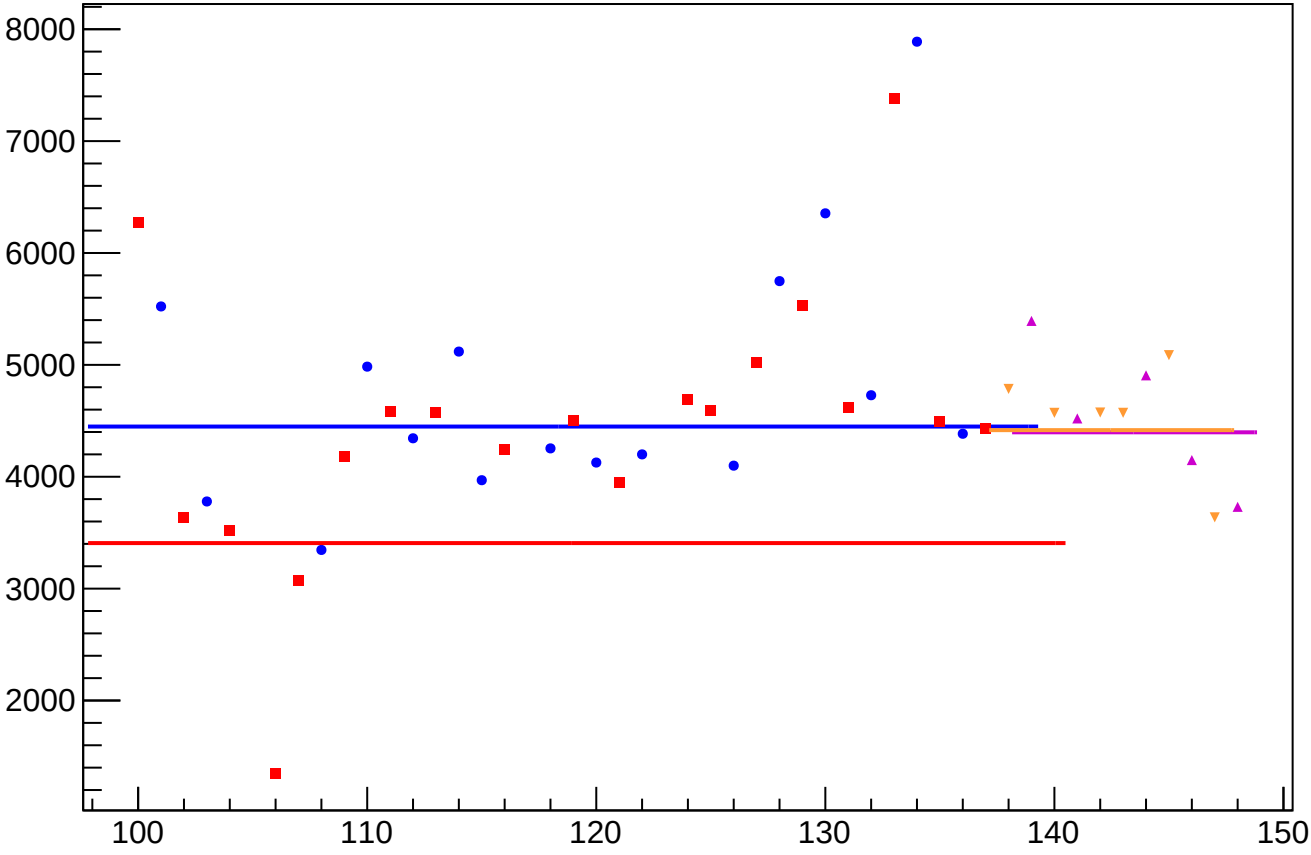
Left In: -1040.405+/-2126.933 χ^2/NDF:1.1/4

+ sign 497.886+/-1316.633 χ^2/NDF: 23.3/21

All: 105.361+/-865.262 χ^2/NDF: 40.6/45

- sign -193.036+/-1147.965 χ^2/NDF: 17.1/23

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

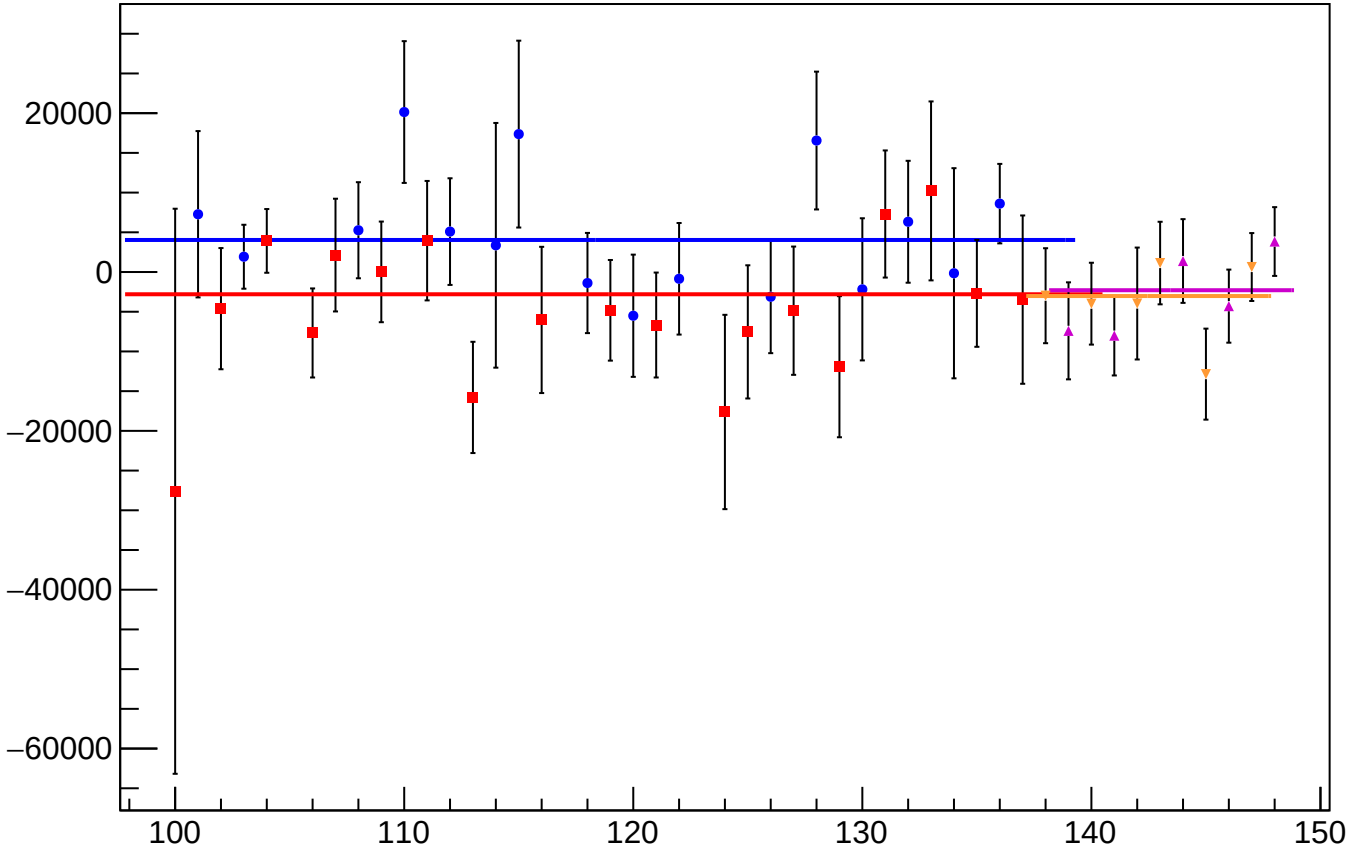
Left In: 4397.251+/-1.504 χ^2/NDF:137769.8/4

+ sign 4436.082+/-0.931 χ^2/NDF: 612676.7/21

All: 4015.374+/-0.612 χ^2/NDF: 3743110.7/45

- sign 3695.551+/-0.812 χ^2/NDF: 2770995.2/23

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

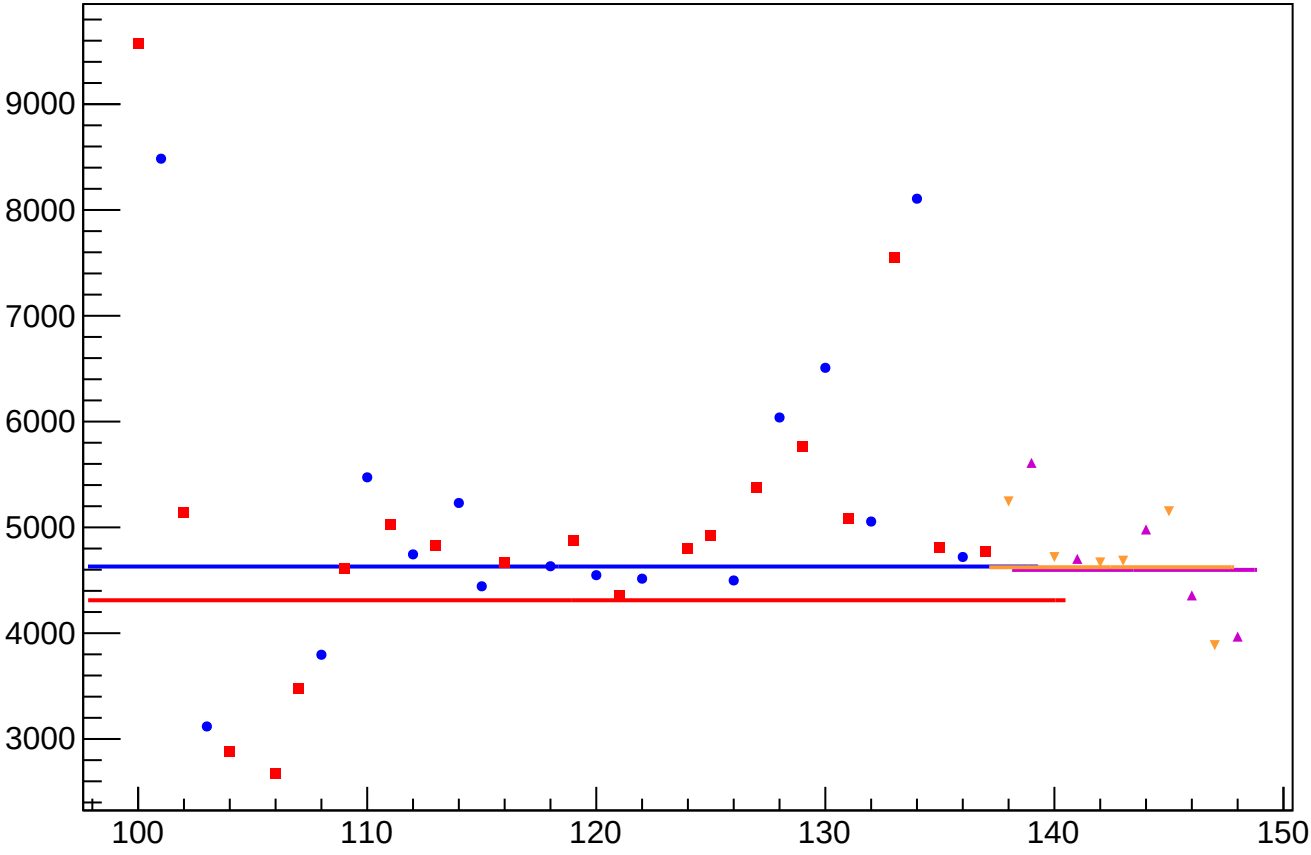
Left In: -2291.418+/-2218.509 χ^2/NDF:4.7/4

+ sign 1226.937+/-1382.957 χ^2/NDF: 23.0/21

All: -762.117+/-960.564 χ^2/NDF: 47.1/45

- sign -2616.135+/-1335.188 χ^2/NDF: 20.2/23

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

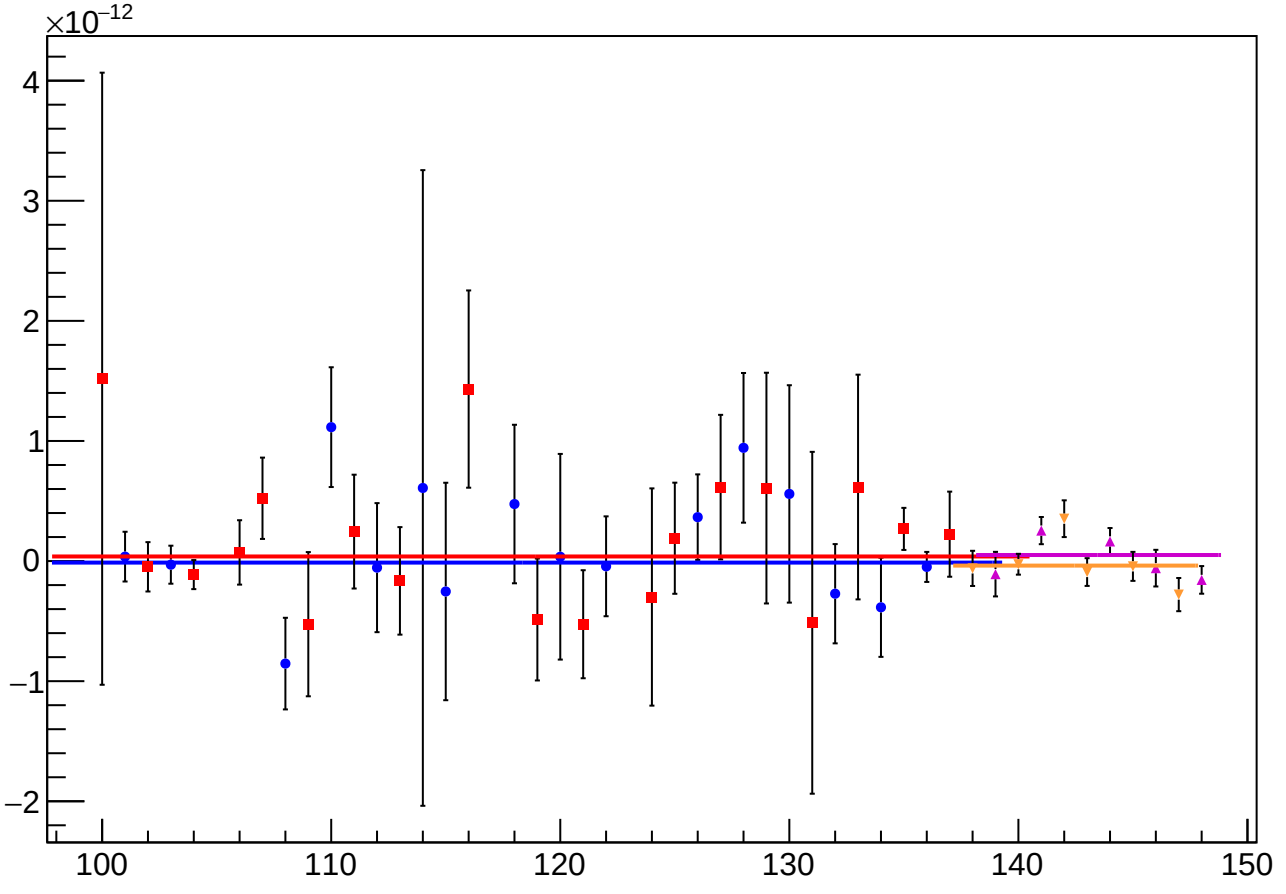
Left In: 4598.327+/-1.569 χ^2/NDF:114127.1/4

+ sign 4627.306+/-0.978 χ^2/NDF: 999380.6/21

All: 4516.346+/-0.677 χ^2/NDF: 2064486.0/45

- sign 4414.063+/-0.939 χ^2/NDF: 1040362.2/23

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

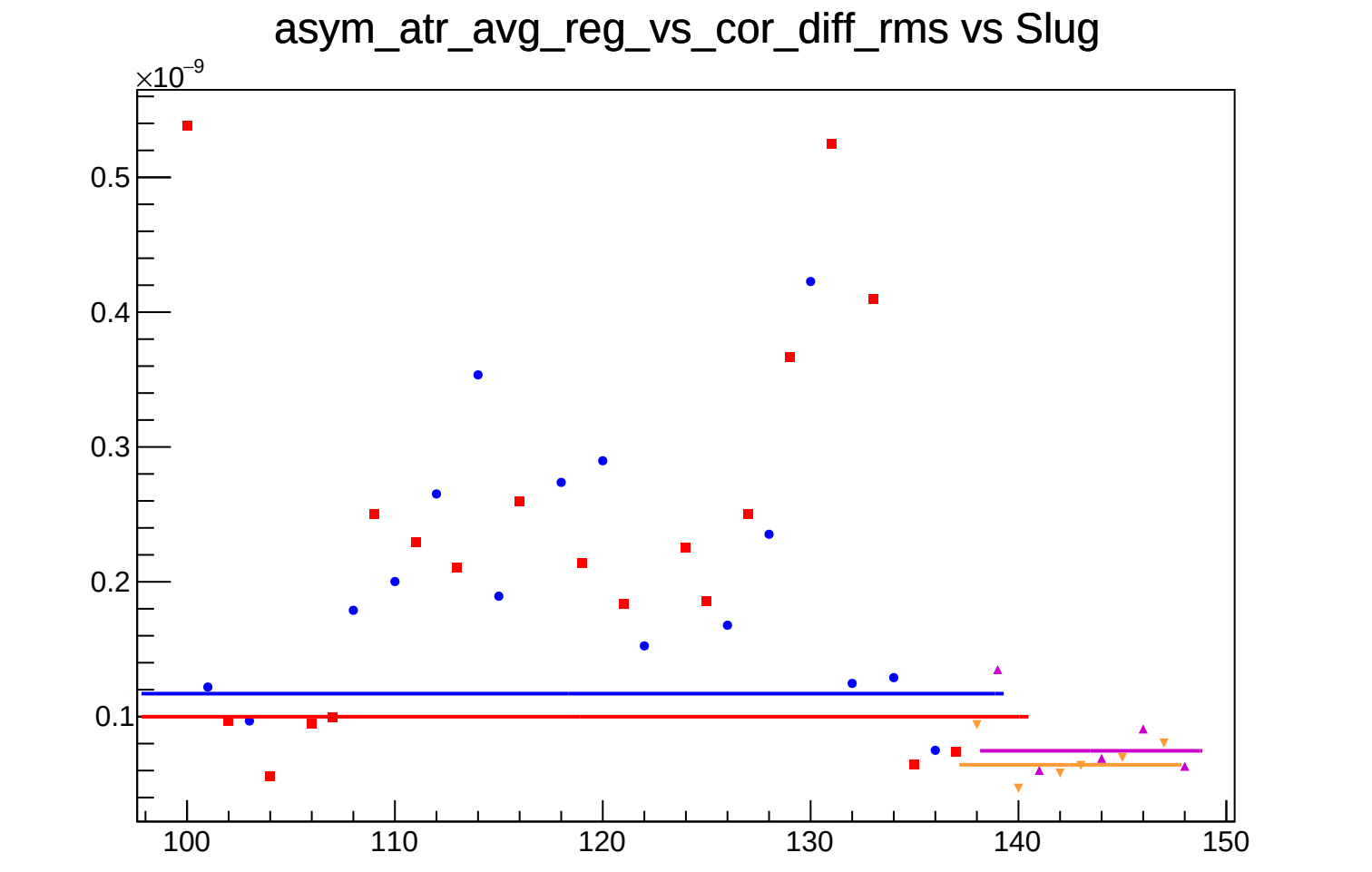
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/4

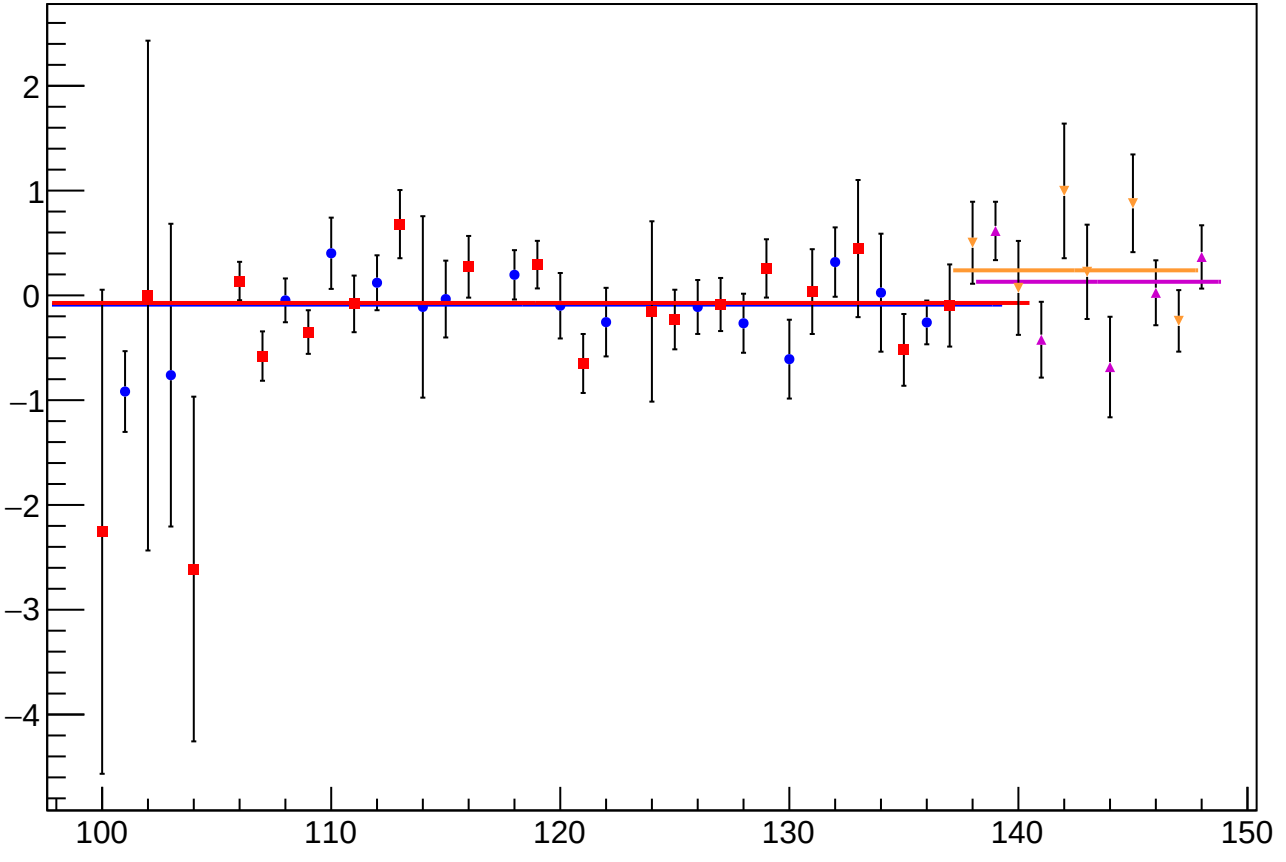
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 51.1/45

- sign 0.000+/-0.000 χ^2/NDF: 23.7/23


asym_atr_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:197709.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:291372.9/4
+ sign 0.000+/-0.000 χ²/NDF: 1988262.9/21
All: 0.000+/-0.000 χ²/NDF: 4284040.3/45
- sign 0.000+/-0.000 χ²/NDF: 2285097.8/23

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

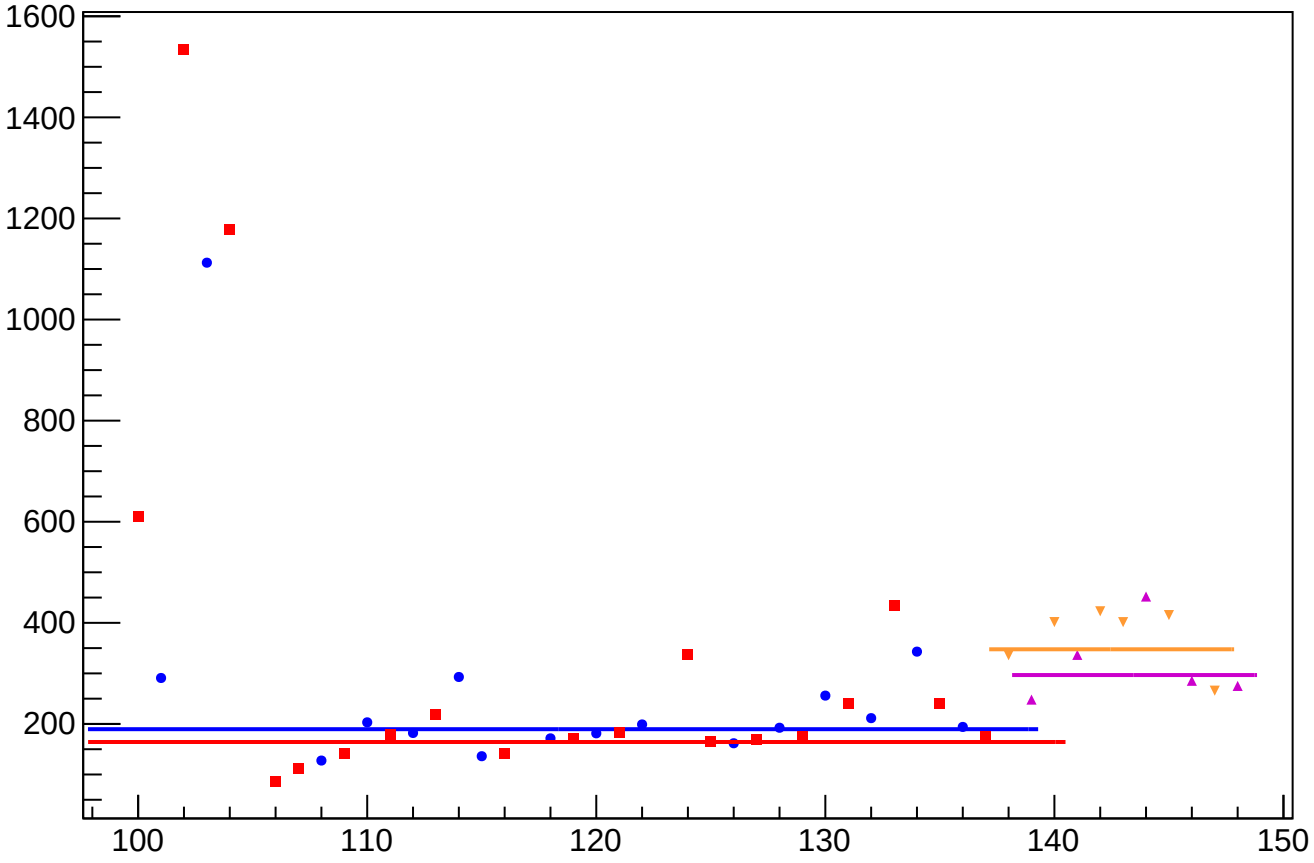
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.034+/-0.047 χ^2/NDF: 62.7/45

- sign -0.035+/-0.063 χ^2/NDF: 39.2/23

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

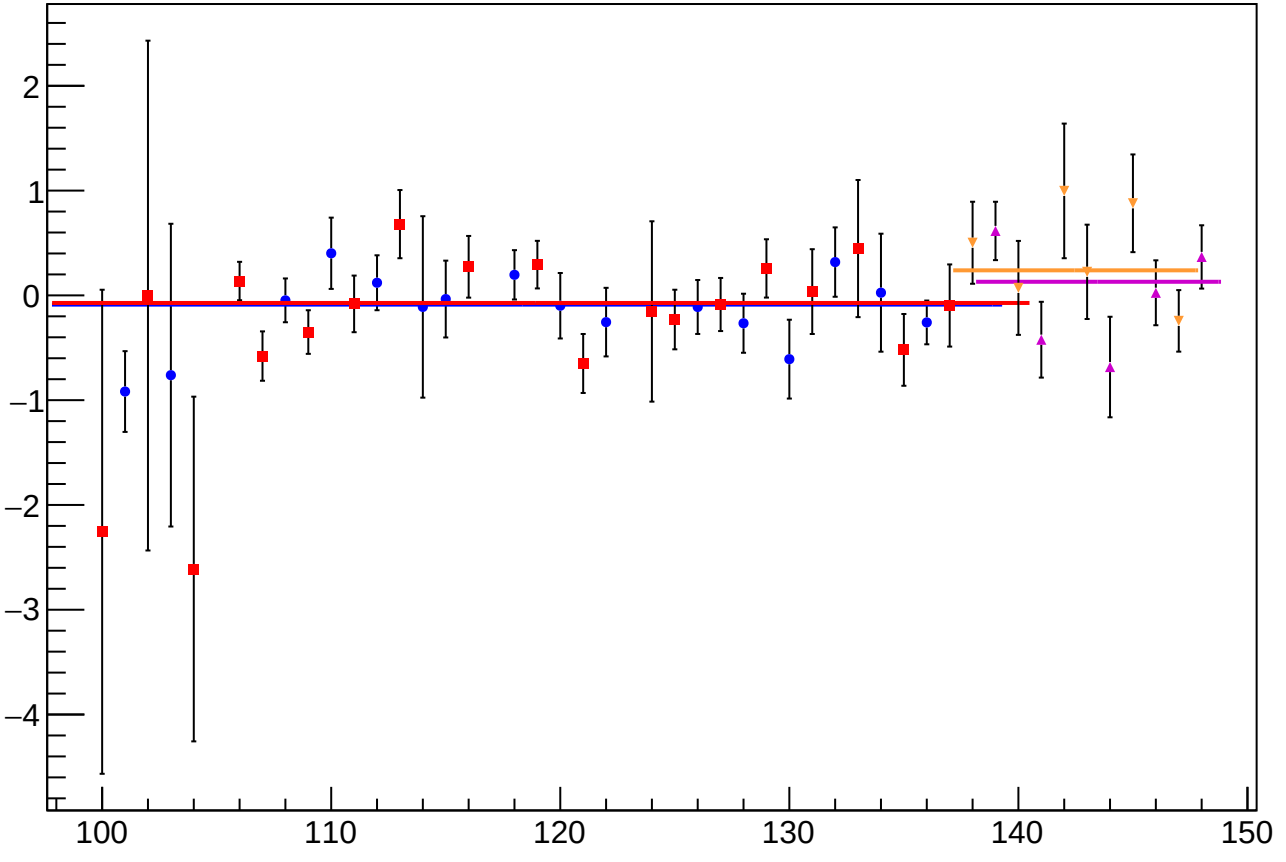
Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

+ sign 216.695+/-0.049 χ^2/NDF: 3201272.8/21

All: 201.336+/-0.033 χ^2/NDF: 7651141.4/45

- sign 188.771+/-0.045 χ^2/NDF: 4274255.6/23

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

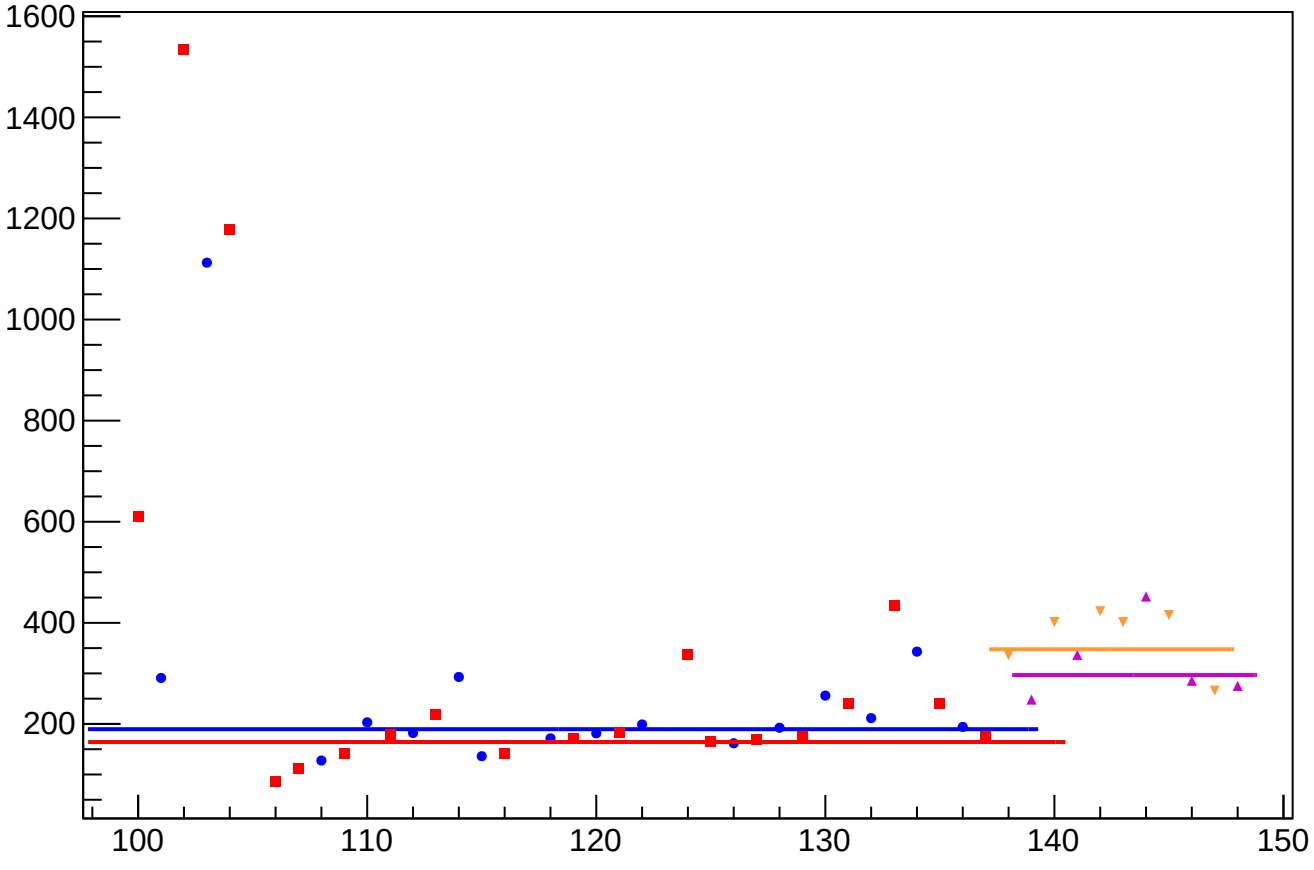
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.034+/-0.047 χ^2/NDF: 62.7/45

- sign -0.035+/-0.063 χ^2/NDF: 39.2/23

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

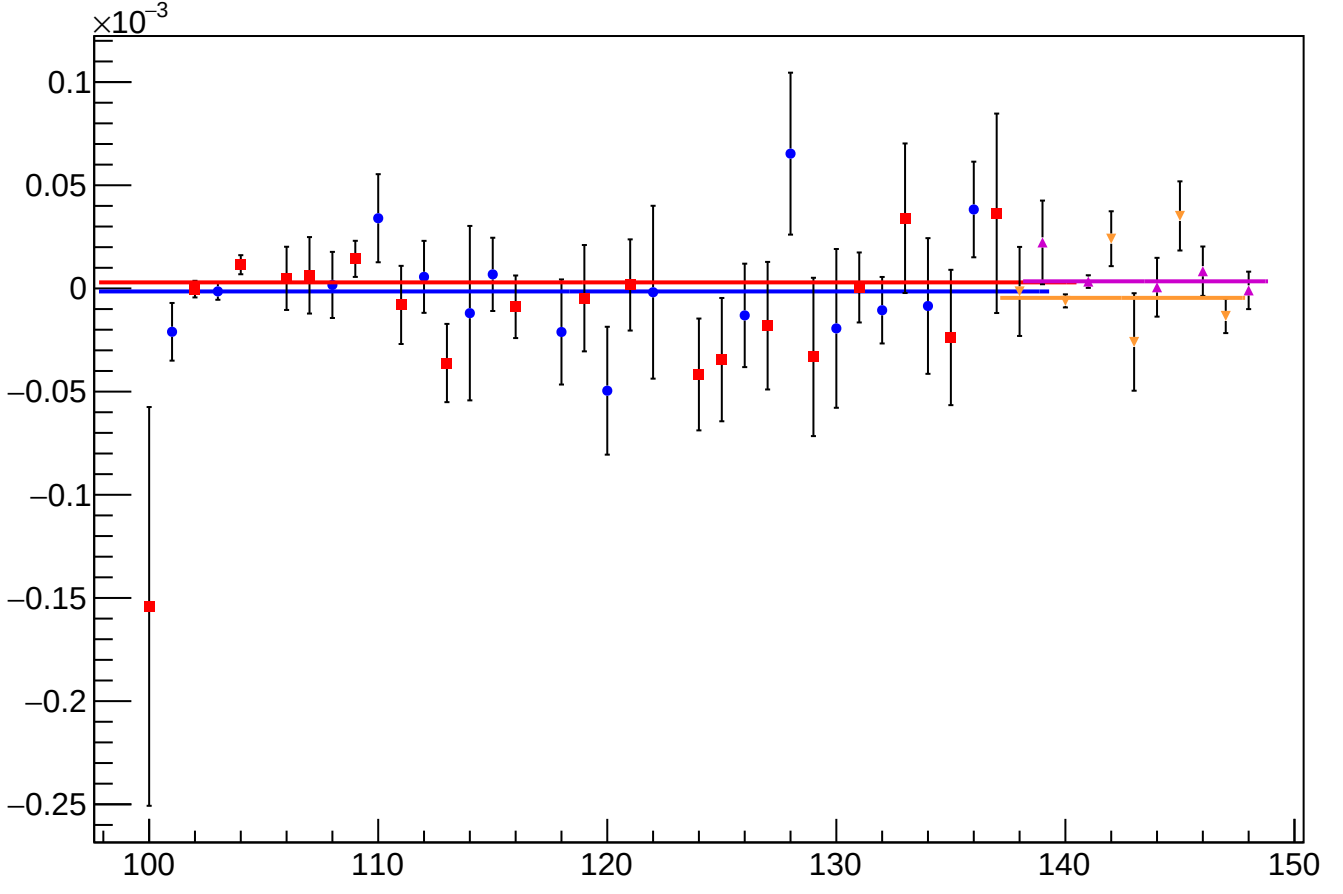
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

+ sign 216.695+/-0.049 χ^2/NDF: 3201272.8/21

All: 201.336+/-0.033 χ^2/NDF: 7651141.4/45

- sign 188.771+/-0.045 χ^2/NDF: 4274255.6/23



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

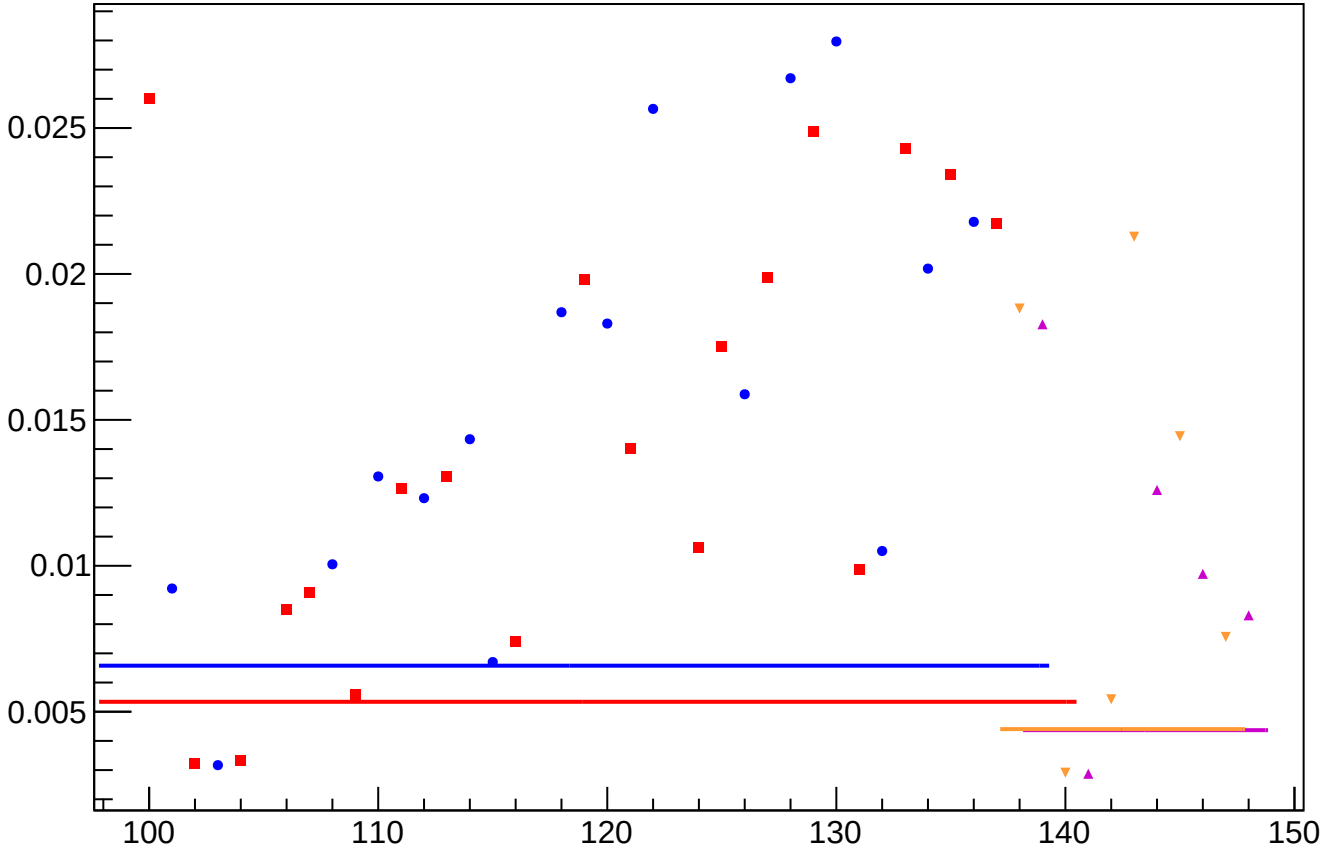
Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/21

All: 0.000+/-0.000 χ^2/NDF: 55.5/45

- sign 0.000+/-0.000 χ^2/NDF: 22.6/23

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

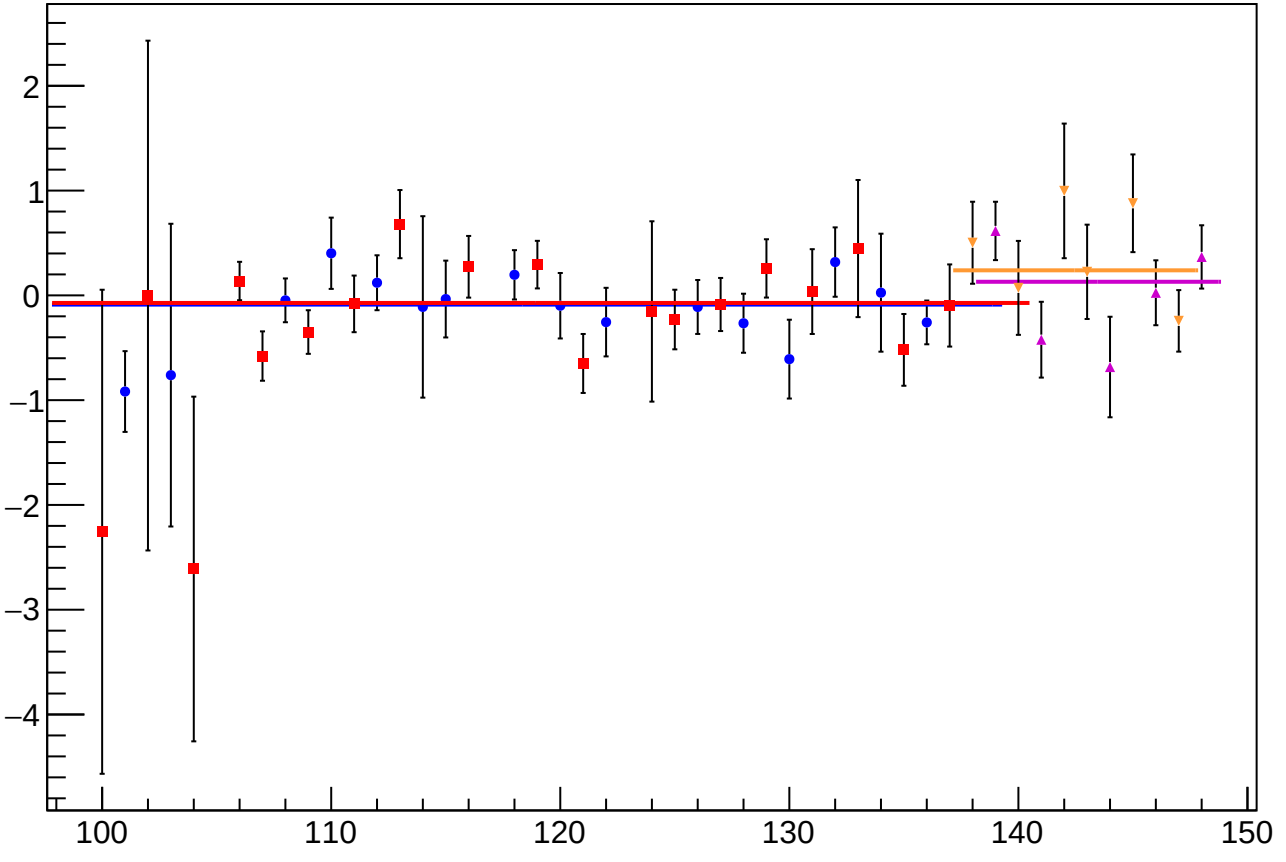
Left In: 0.004+/-0.000 χ^2/NDF:2862361.9/4

+ sign 0.005+/-0.000 χ^2/NDF: 9801959.9/21

All: 0.005+/-0.000 χ^2/NDF: 18529375.4/45

- sign 0.005+/-0.000 χ^2/NDF: 8682499.0/23

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

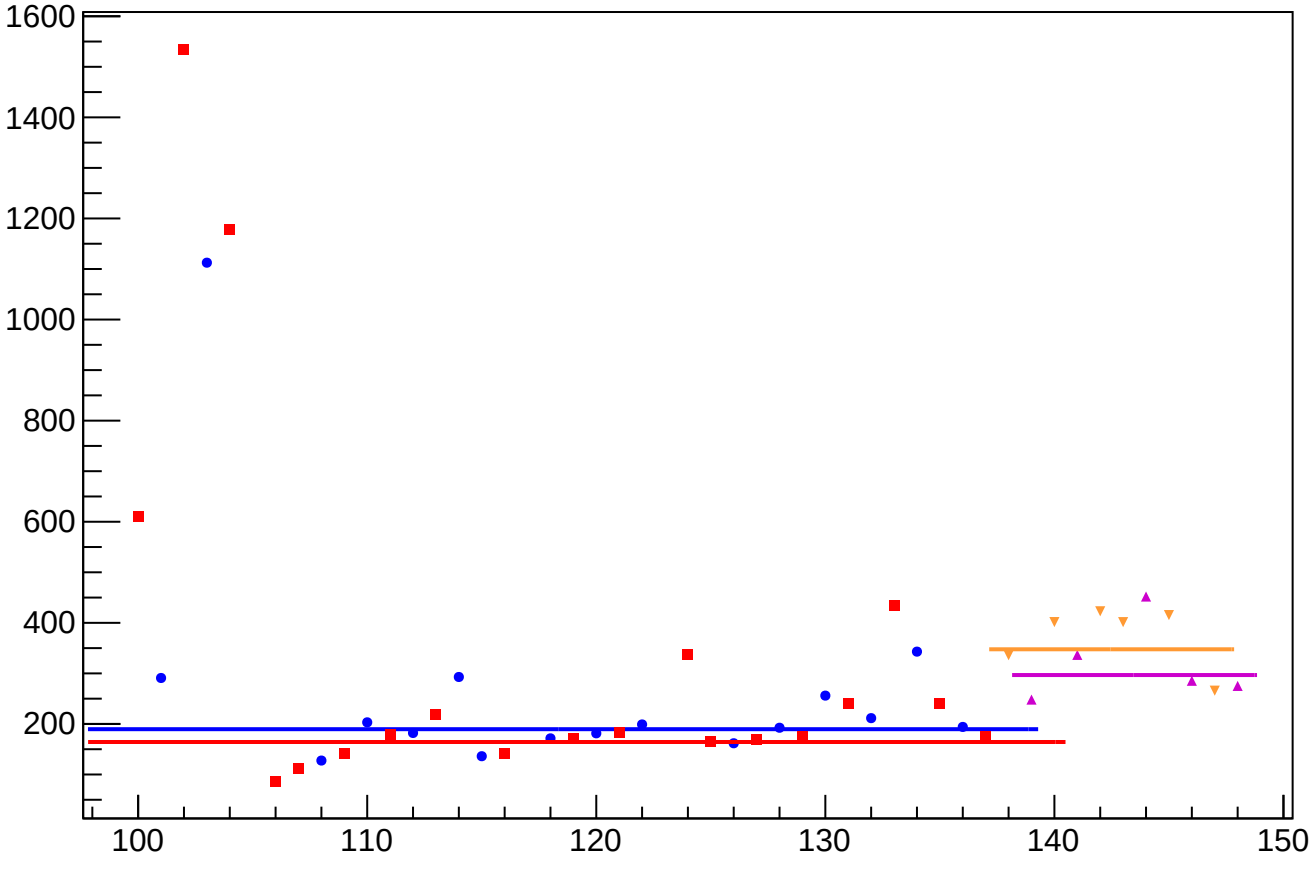
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.032+/-0.070 χ^2/NDF: 23.5/21

All: -0.034+/-0.047 χ^2/NDF: 62.7/45

- sign -0.035+/-0.063 χ^2/NDF: 39.2/23

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

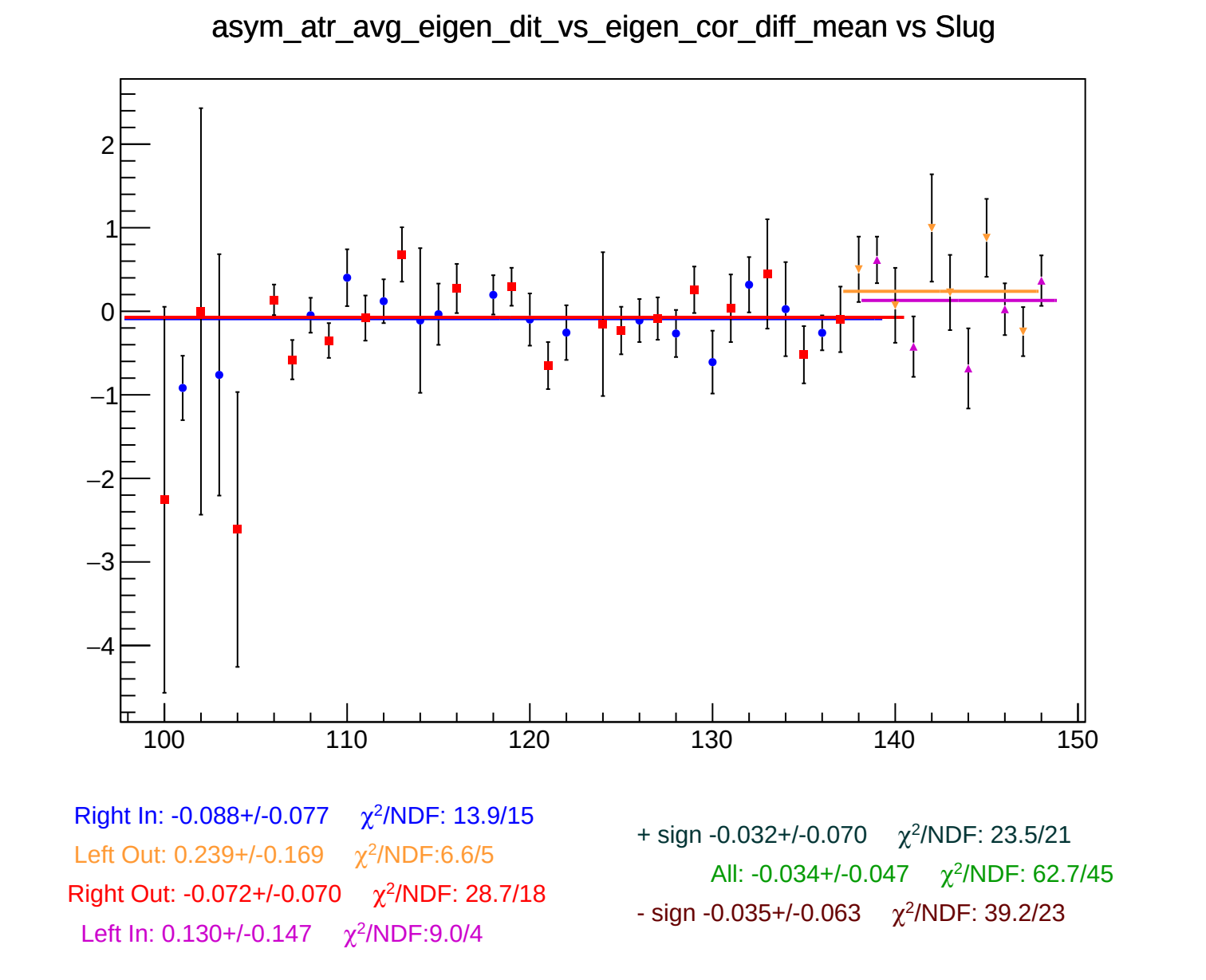
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

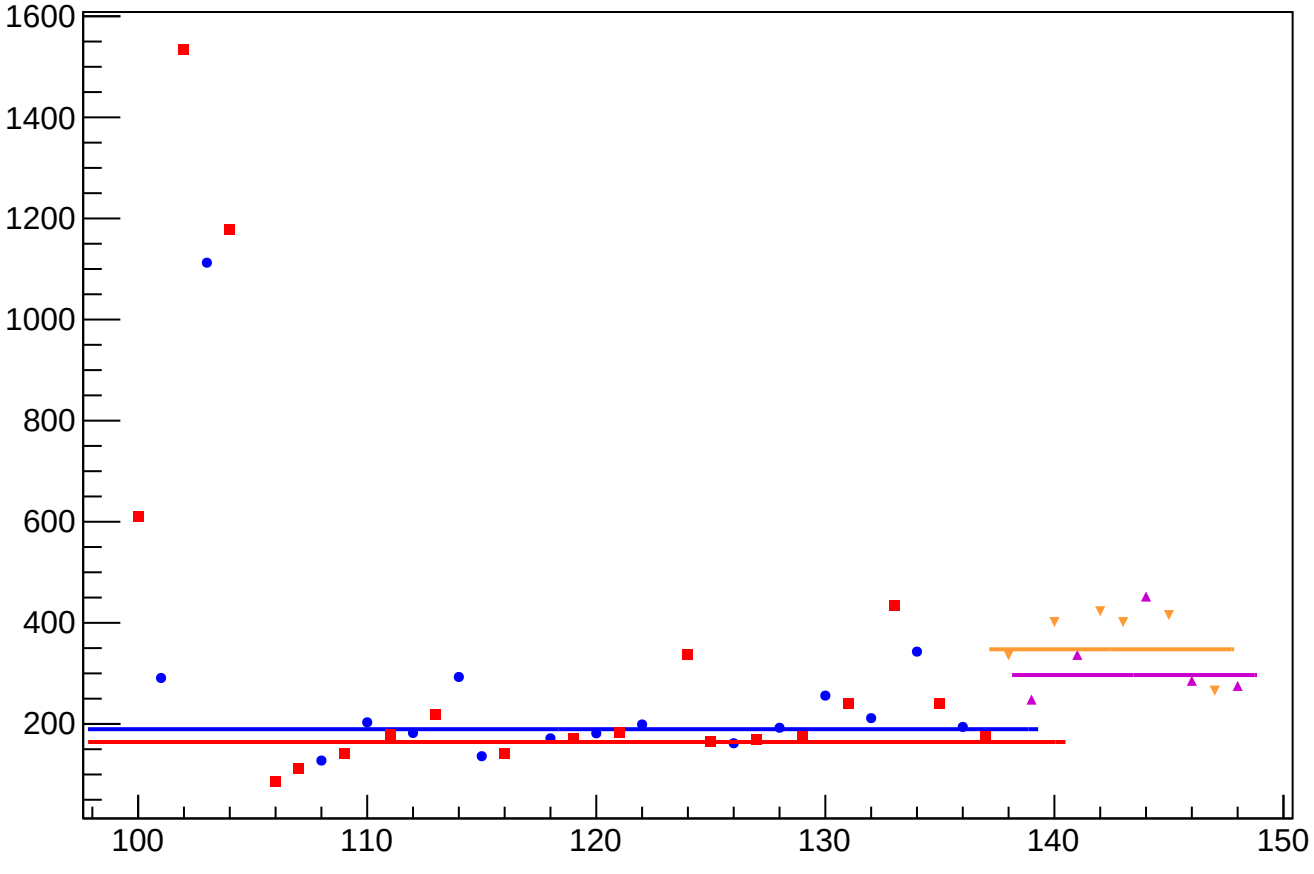
Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

+ sign 216.694+/-0.049 χ^2/NDF: 3201320.7/21

All: 201.336+/-0.033 χ^2/NDF: 7651228.6/45

- sign 188.771+/-0.045 χ^2/NDF: 4274293.8/23


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.239+/-0.169 χ²/NDF:6.6/5
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.130+/-0.147 χ²/NDF:9.0/4
+ sign -0.032+/-0.070 χ²/NDF: 23.5/21
All: -0.034+/-0.047 χ²/NDF: 62.7/45
- sign -0.035+/-0.063 χ²/NDF: 39.2/23



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

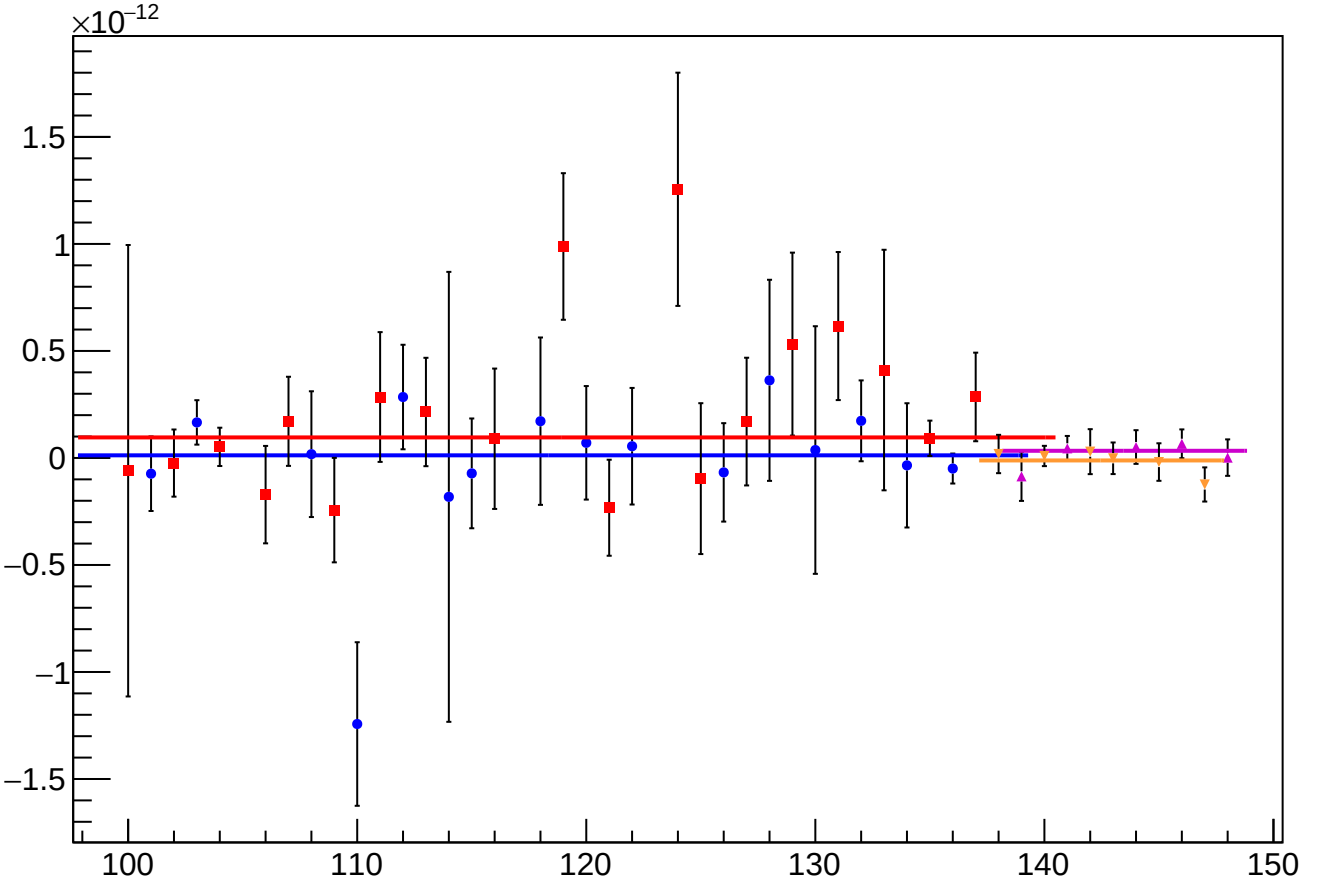
Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

+ sign 216.694+/-0.049 χ^2/NDF: 3201320.7/21

All: 201.336+/-0.033 χ^2/NDF: 7651228.6/45

- sign 188.771+/-0.045 χ^2/NDF: 4274293.8/23

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

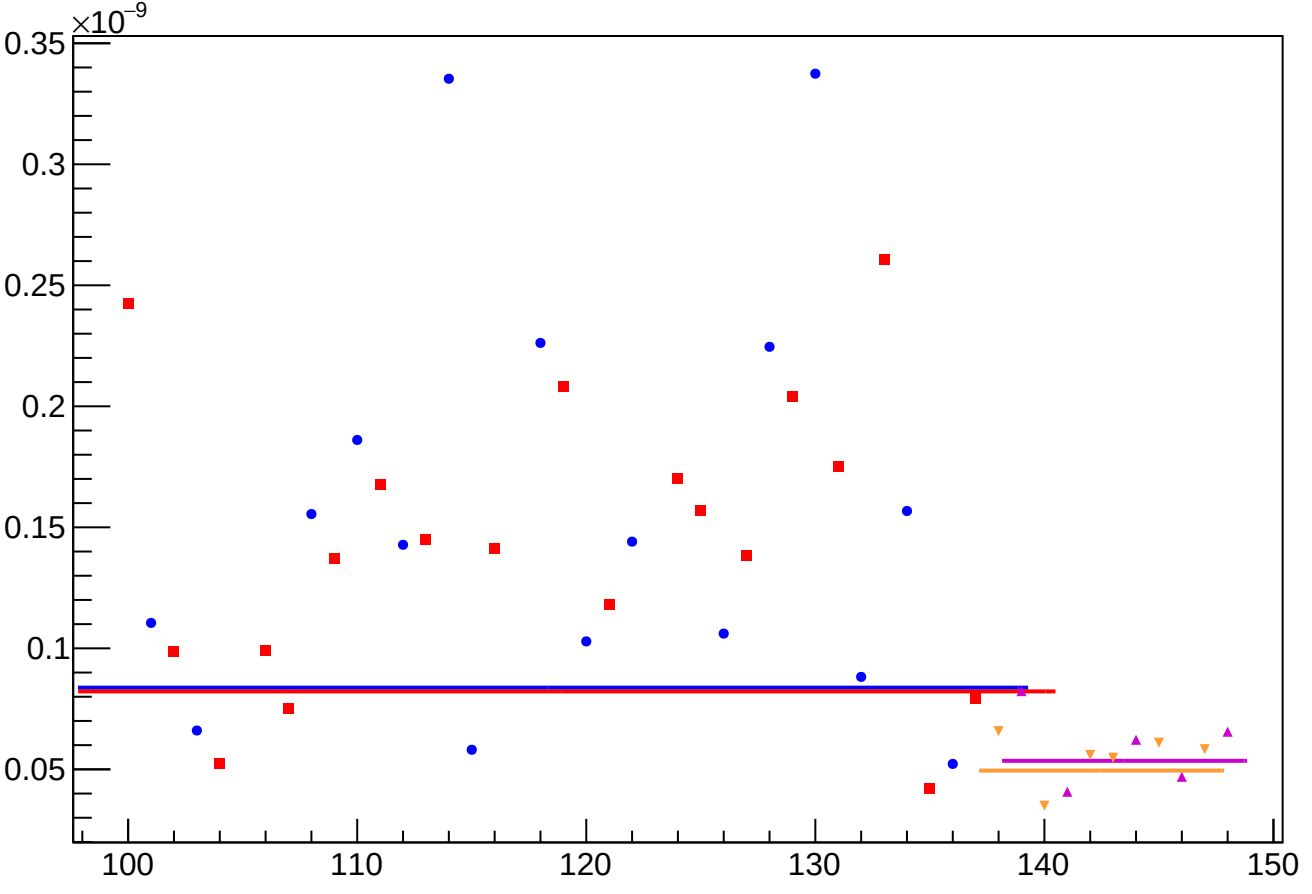
Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/21

All: 0.000+/-0.000 χ^2/NDF: 48.4/45

- sign 0.000+/-0.000 χ^2/NDF: 26.0/23

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

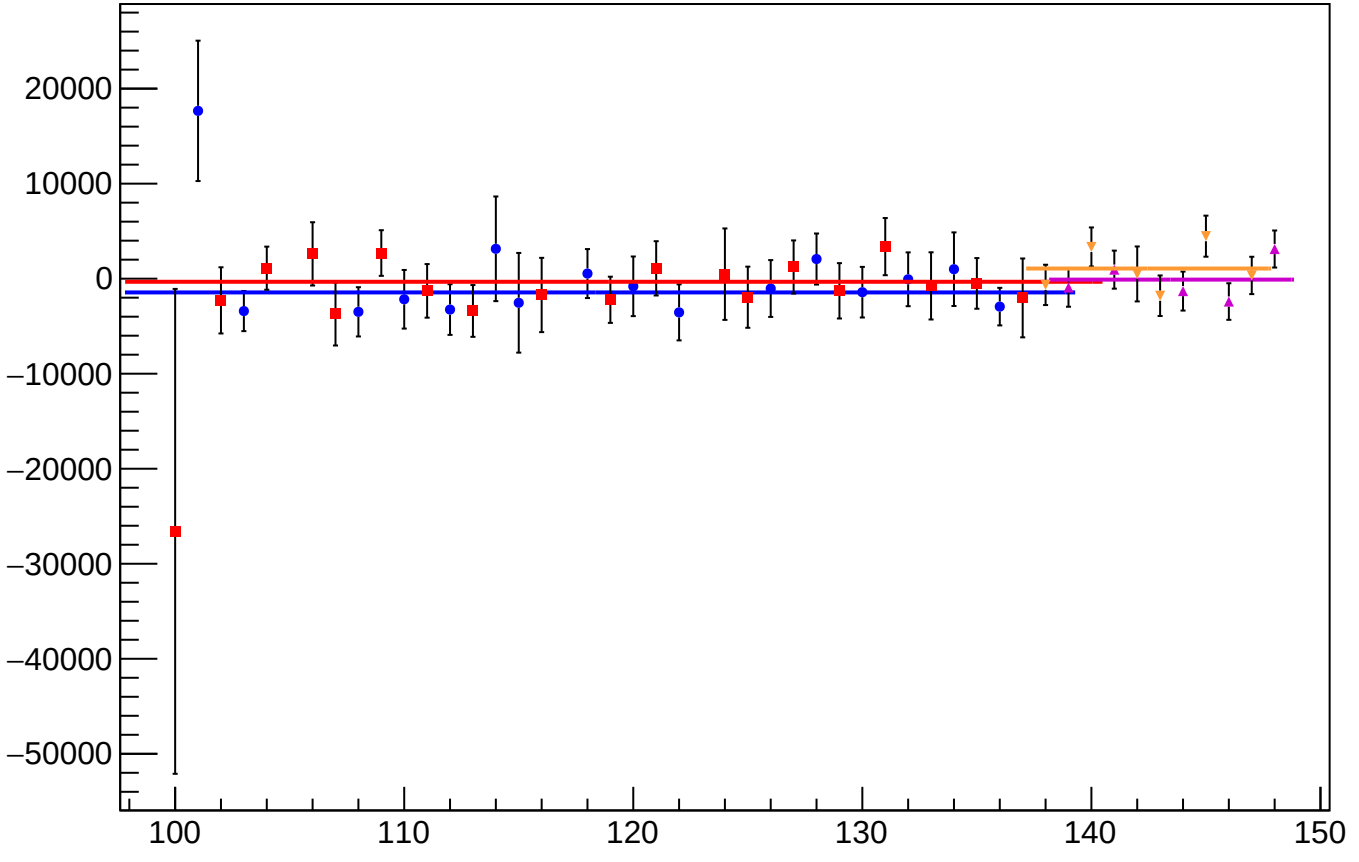
Left In: 0.000+/-0.000 χ^2/NDF:306458.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3232379.3/21

All: 0.000+/-0.000 χ^2/NDF: 6362715.4/45

- sign 0.000+/-0.000 χ^2/NDF: 3105408.2/23

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

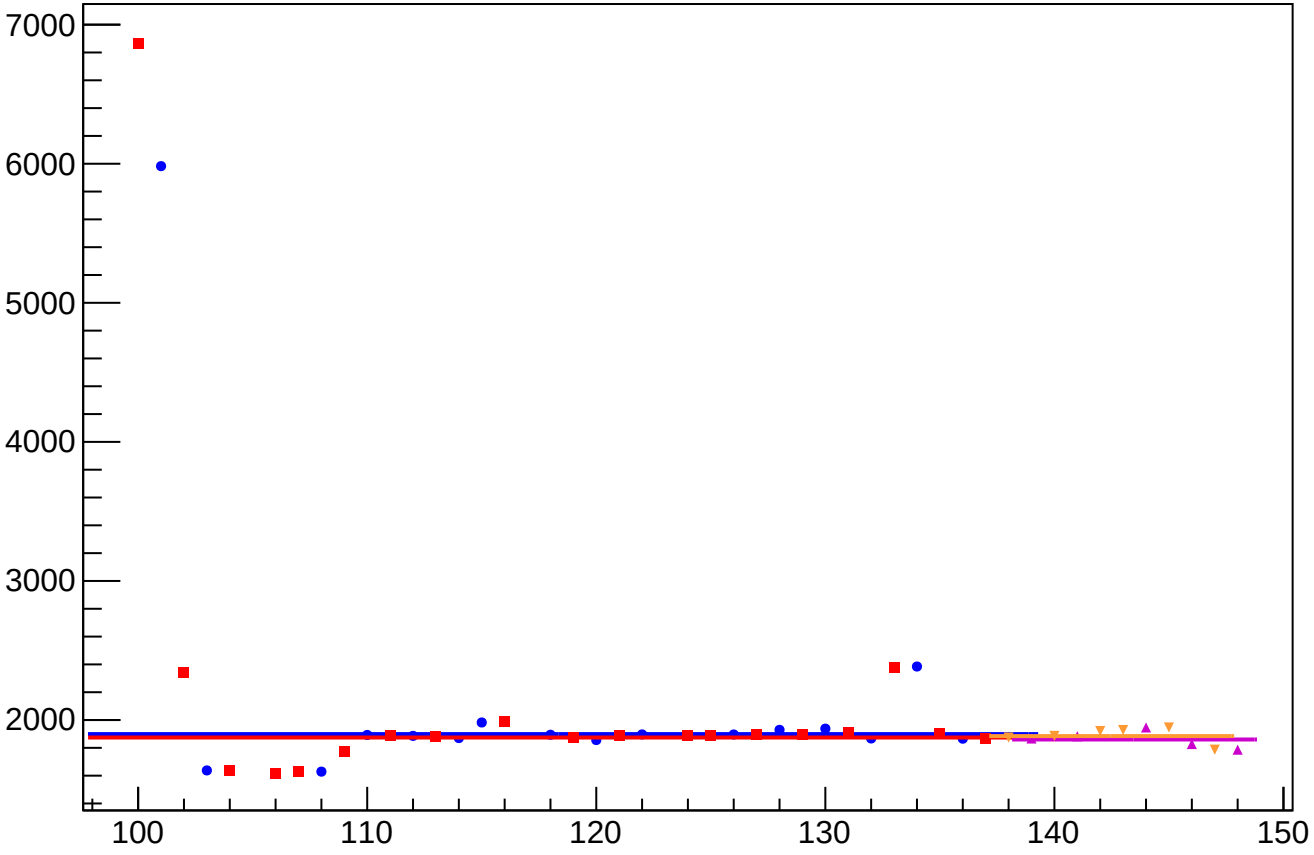
Left In: -99.076+/-889.616 χ^2/NDF:5.0/4

+ sign -442.170+/-560.409 χ^2/NDF: 24.7/21

All: -338.819+/-393.045 χ^2/NDF: 39.7/45

- sign -238.765+/-551.400 χ^2/NDF: 14.9/23

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

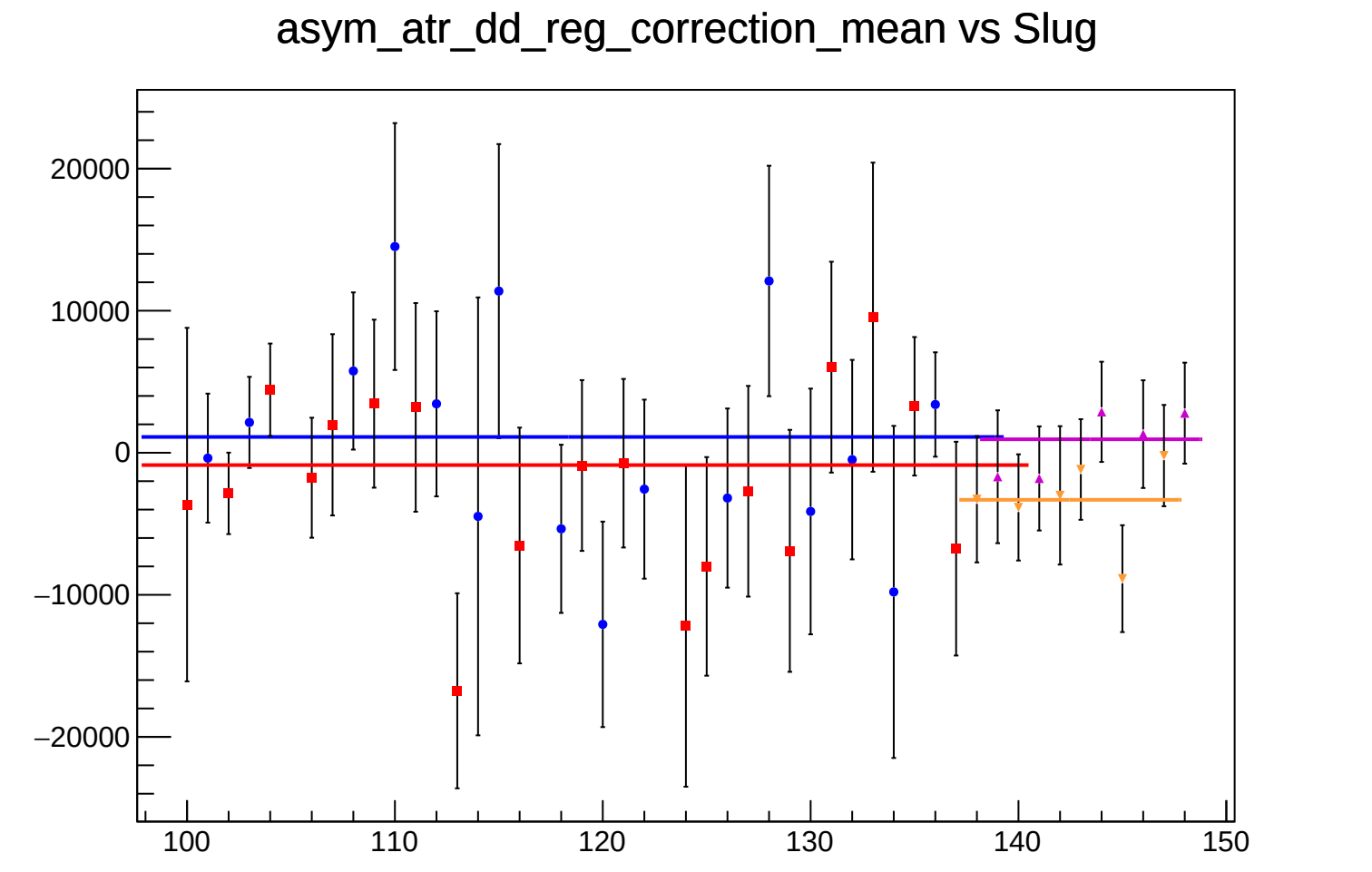
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1893.104+/-0.396 χ^2/NDF: 705598.8/21

All: 1880.740+/-0.278 χ^2/NDF: 922734.4/45

- sign 1868.819+/-0.389 χ^2/NDF: 215223.4/23



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

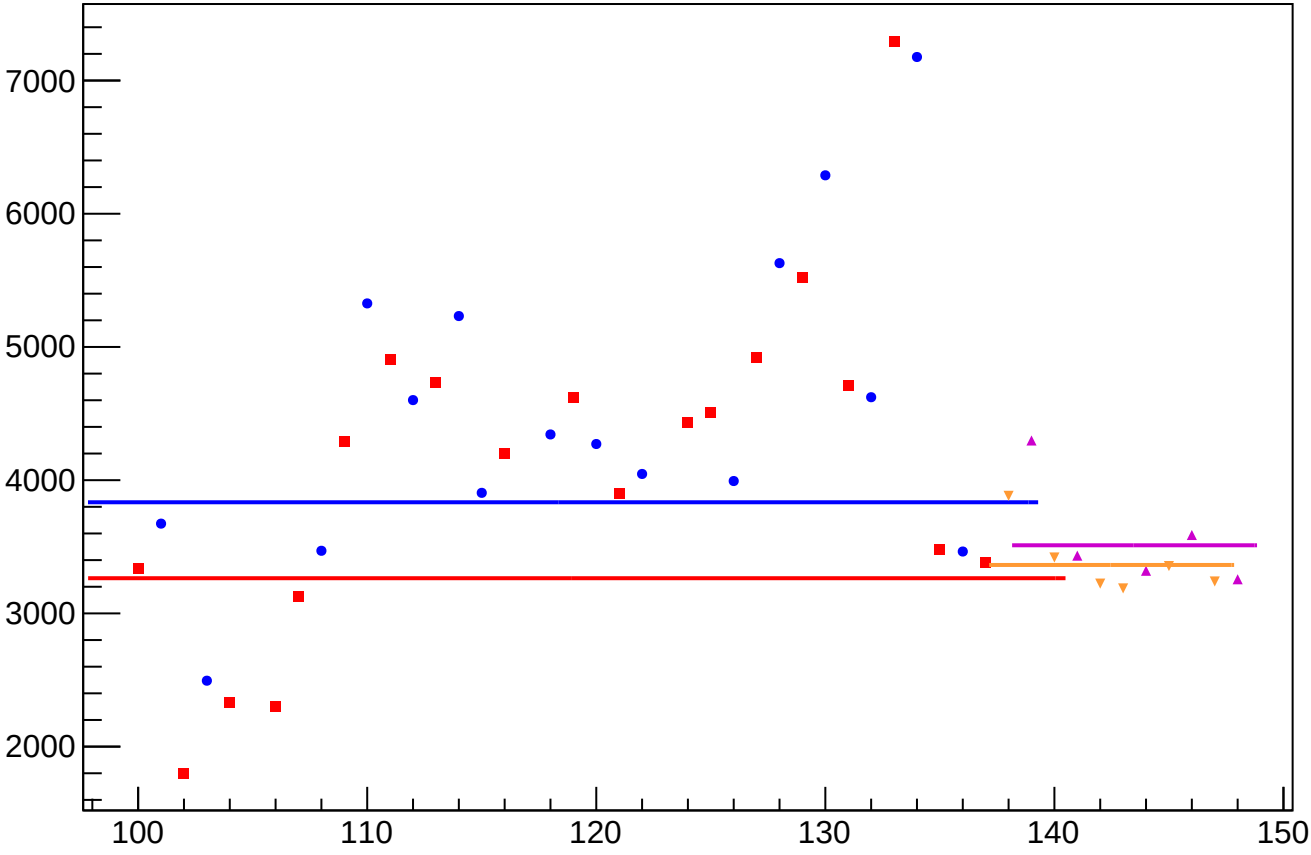
Left In: 949.980+/-1691.834 χ^2/NDF:1.5/4

+ sign -934.752+/-1084.324 χ^2/NDF: 20.8/21

All: -543.660+/-748.465 χ^2/NDF: 38.9/45

- sign -187.741+/-1034.417 χ^2/NDF: 17.8/23

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

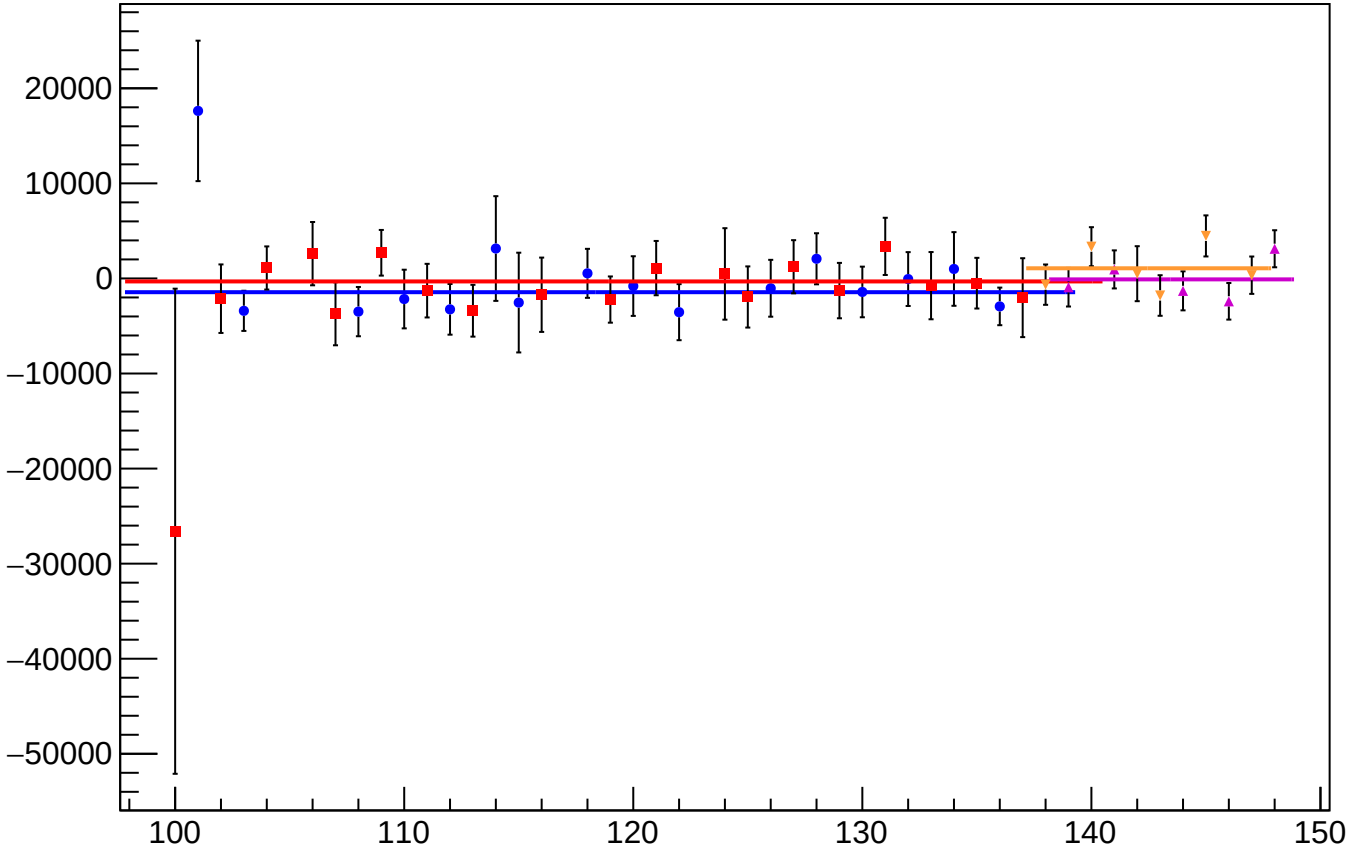
Left In: 3511.301+/-1.196 χ^2/NDF:74509.1/4

+ sign 3616.429+/-0.767 χ^2/NDF: 1087174.8/21

All: 3480.355+/-0.529 χ^2/NDF: 3112820.7/45

- sign 3356.518+/-0.731 χ^2/NDF: 1965484.9/23

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

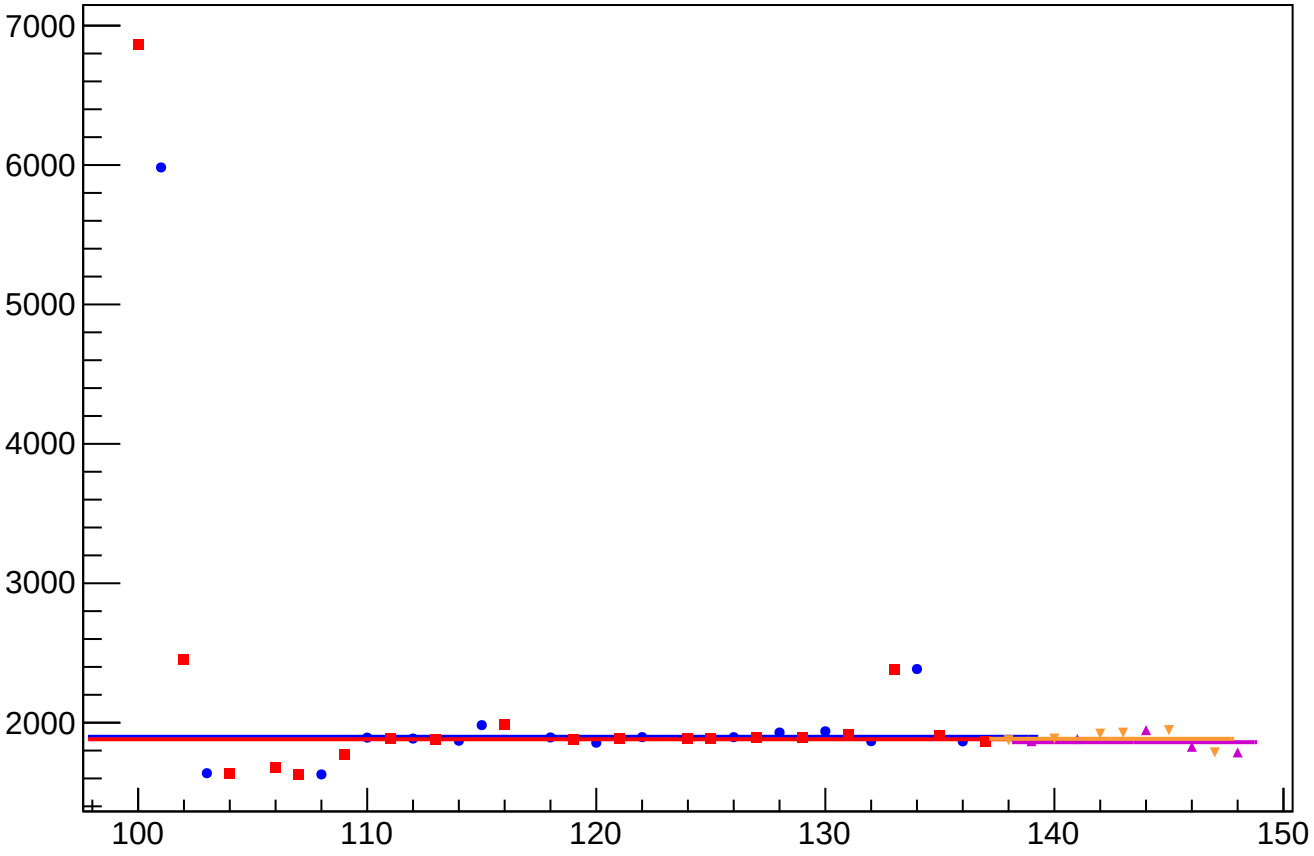
Left In: -98.936+/-889.616 χ^2/NDF:5.0/4

+ sign -442.378+/-560.409 χ^2/NDF: 24.6/21

All: -335.643+/-393.211 χ^2/NDF: 39.6/45

- sign -232.140+/-551.858 χ^2/NDF: 14.9/23

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

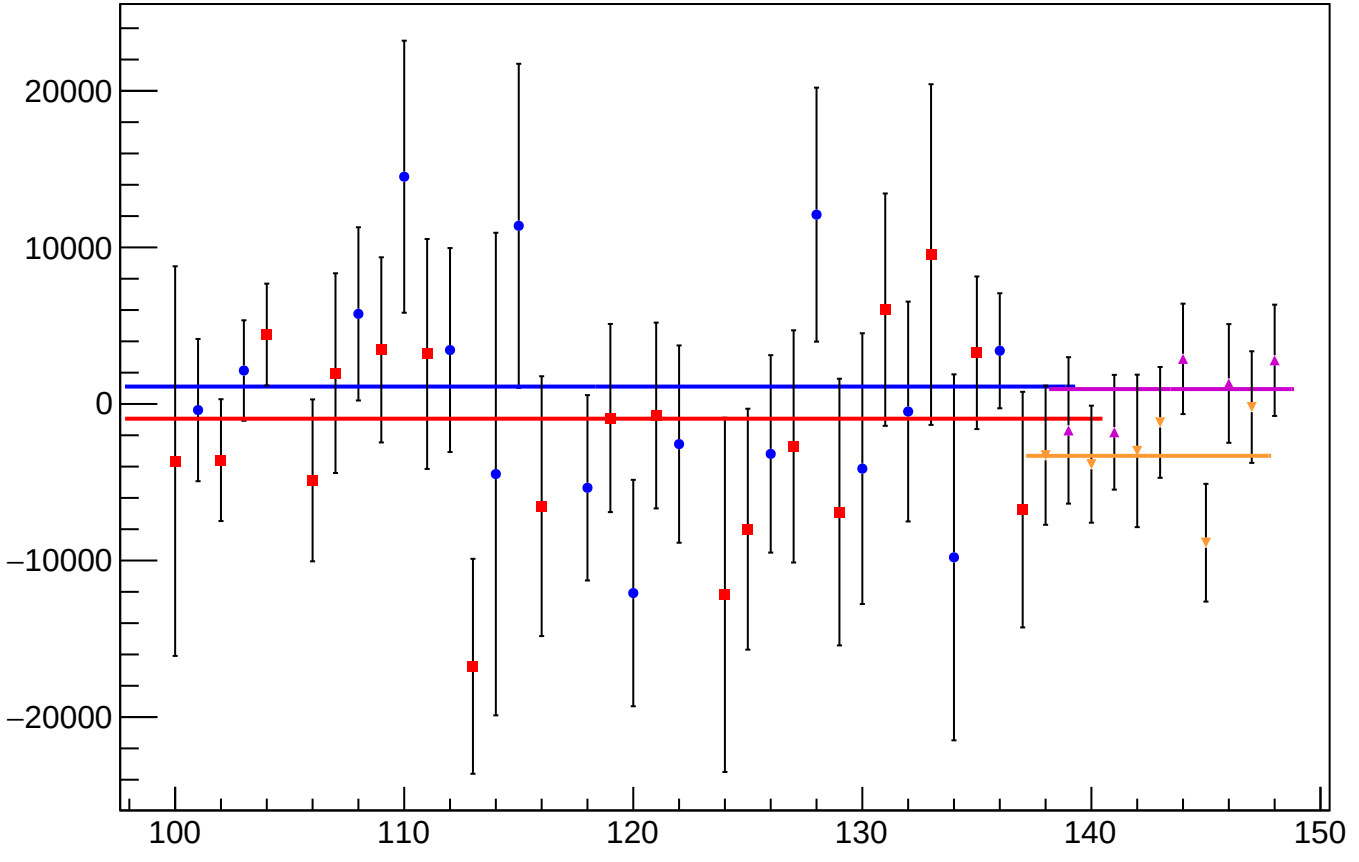
Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1893.104+/-0.396 χ^2/NDF: 705599.0/21

All: 1882.867+/-0.278 χ^2/NDF: 931411.2/45

- sign 1872.959+/-0.390 χ^2/NDF: 224498.9/23

asym_atr_dd_cor_correction_mean vs Slug



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

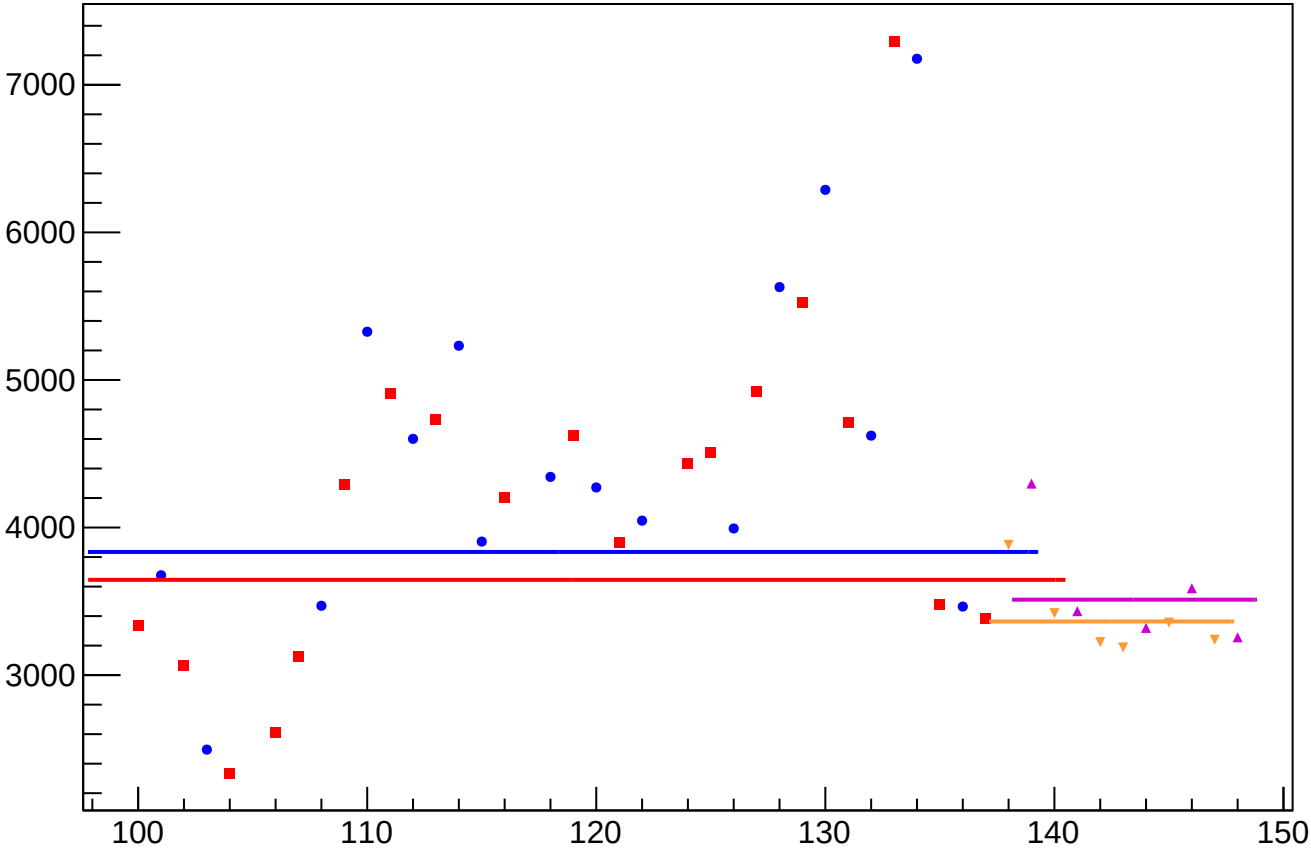
Left In: 950.148+/-1691.830 χ^2/NDF:1.5/4

+ sign -935.534+/-1084.391 χ^2/NDF: 20.8/21

All: -551.978+/-764.558 χ^2/NDF: 39.5/45

- sign -172.836+/-1078.134 χ^2/NDF: 18.4/23

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

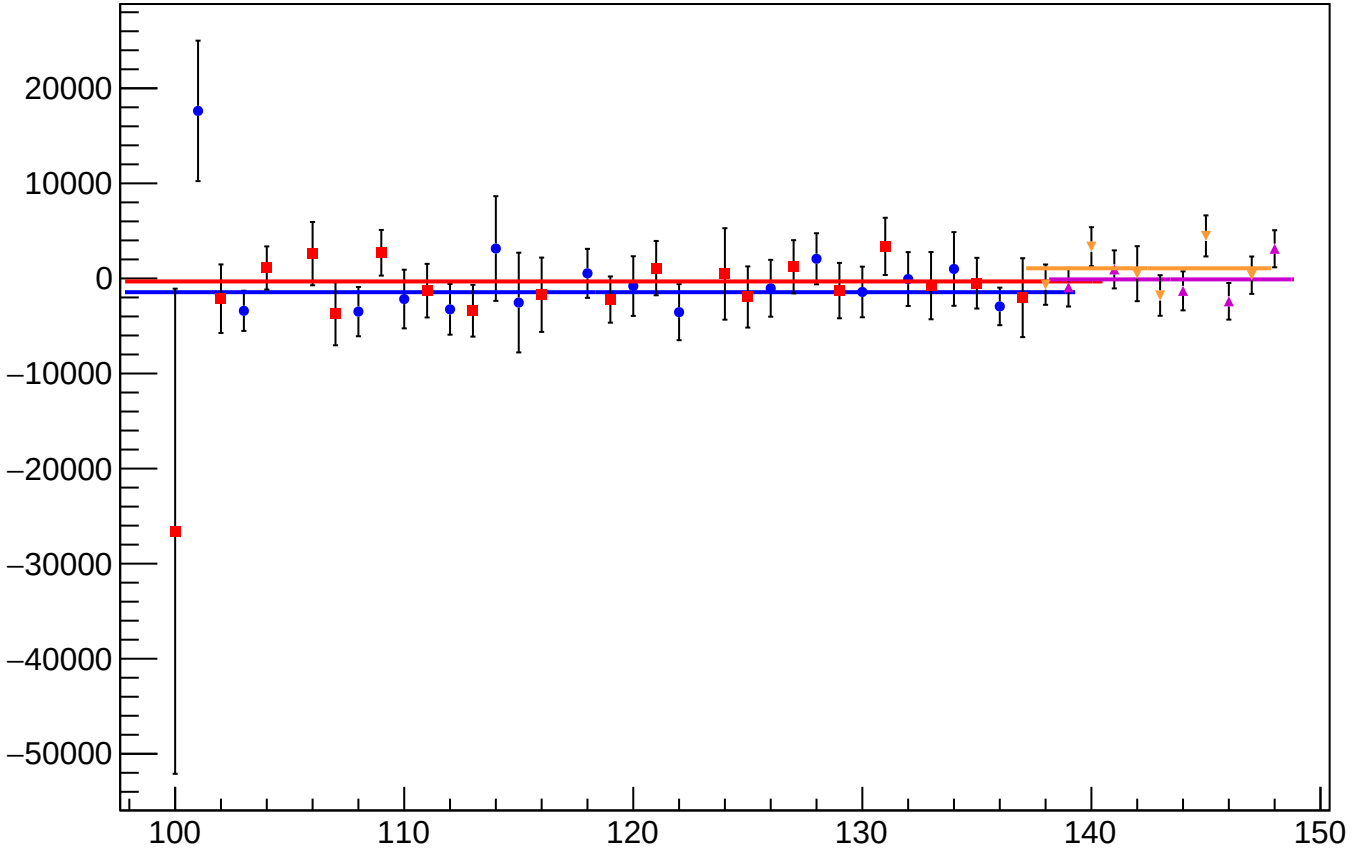
Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

+ sign 3616.681+/-0.767 χ^2/NDF: 1086916.0/21

All: 3603.822+/-0.541 χ^2/NDF: 2294460.3/45

- sign 3591.111+/-0.762 χ^2/NDF: 1206985.0/23

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

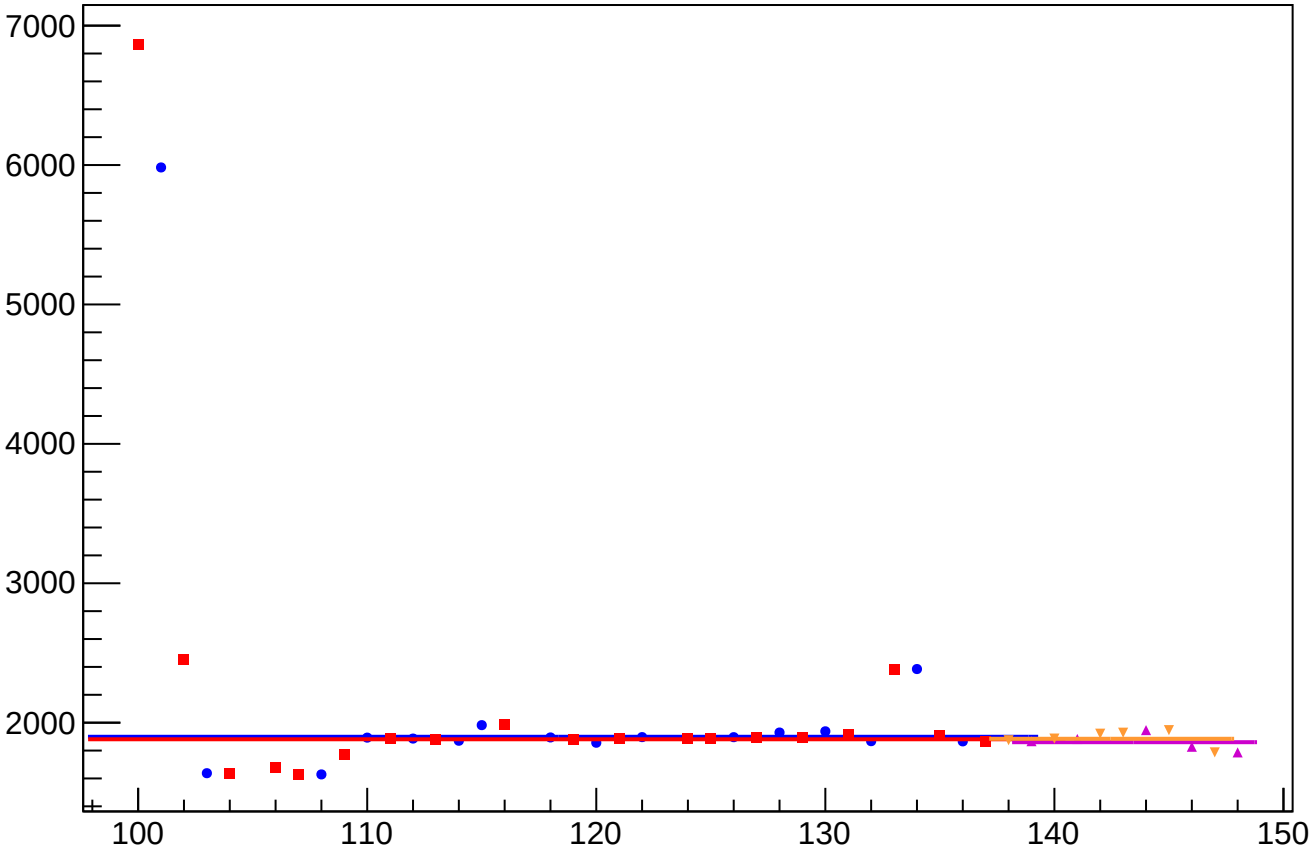
Left In: -98.936+/-889.616 χ^2/NDF:5.0/4

+ sign -442.378+/-560.409 χ^2/NDF: 24.6/21

All: -335.643+/-393.211 χ^2/NDF: 39.6/45

- sign -232.140+/-551.858 χ^2/NDF: 14.9/23

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

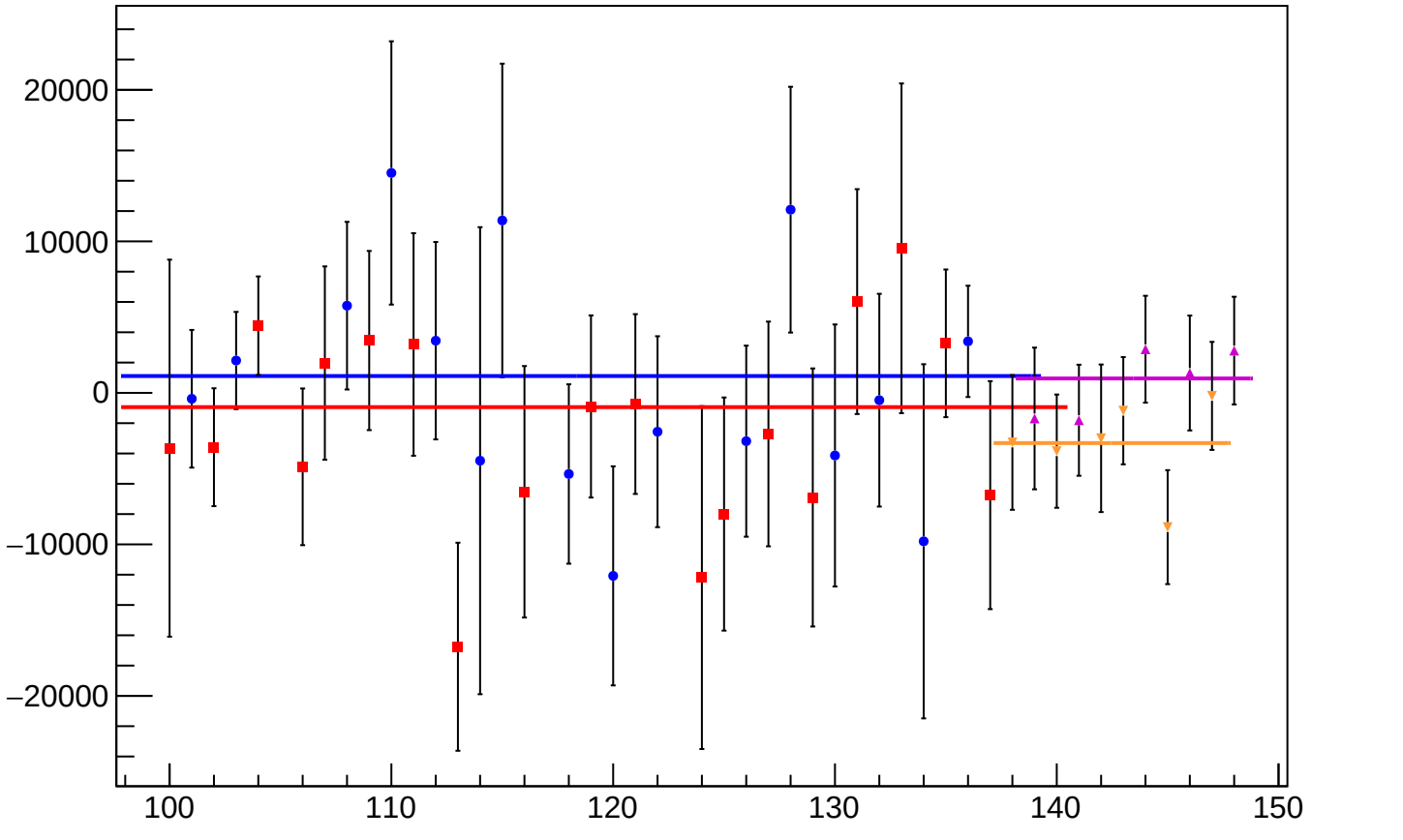
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1893.104+/-0.396 χ^2/NDF: 705599.0/21

All: 1882.867+/-0.278 χ^2/NDF: 931411.2/45

- sign 1872.959+/-0.390 χ^2/NDF: 224498.9/23



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

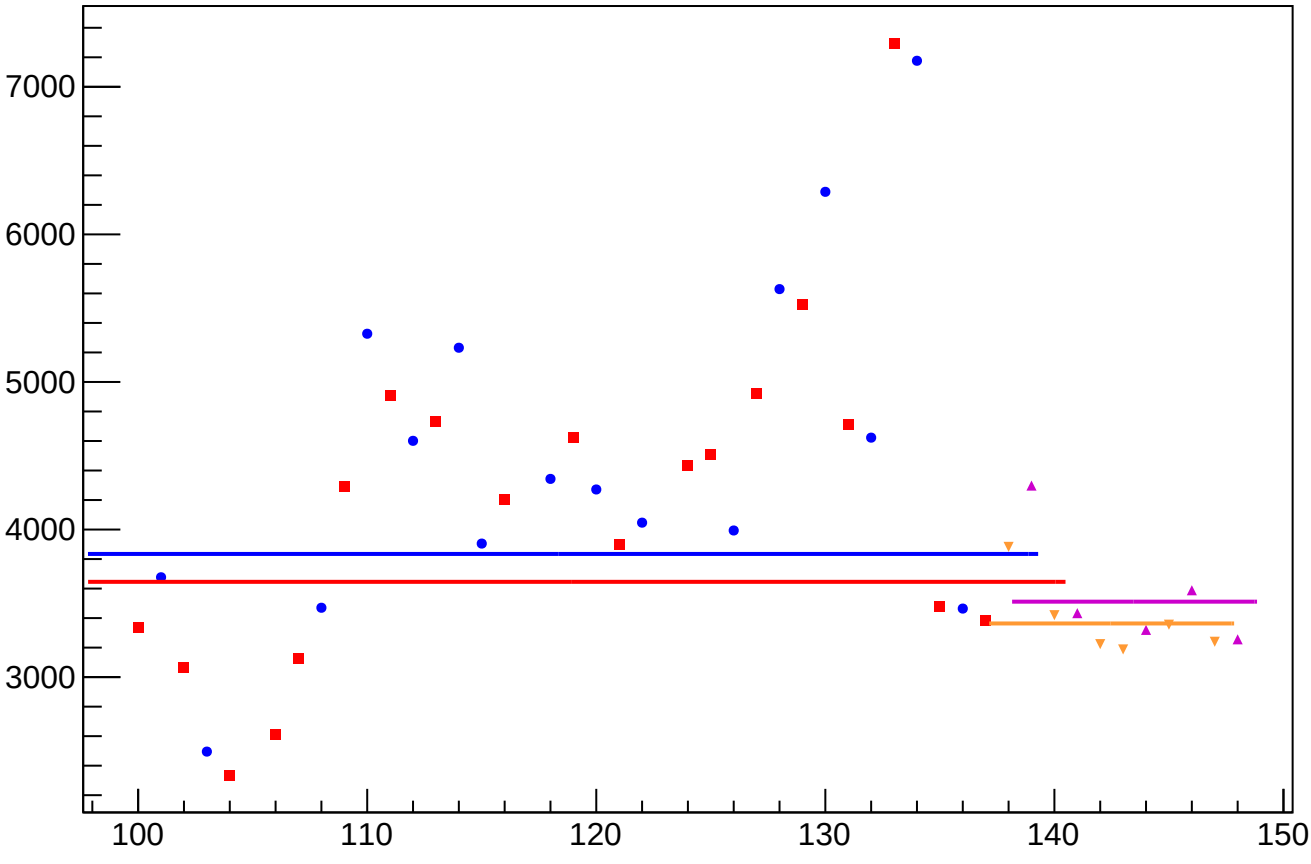
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 950.148+/-1691.830 χ^2/NDF:1.5/4

+ sign -935.534+/-1084.391 χ^2/NDF: 20.8/21

All: -551.978+/-764.558 χ^2/NDF: 39.5/45

- sign -172.836+/-1078.134 χ^2/NDF: 18.4/23



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

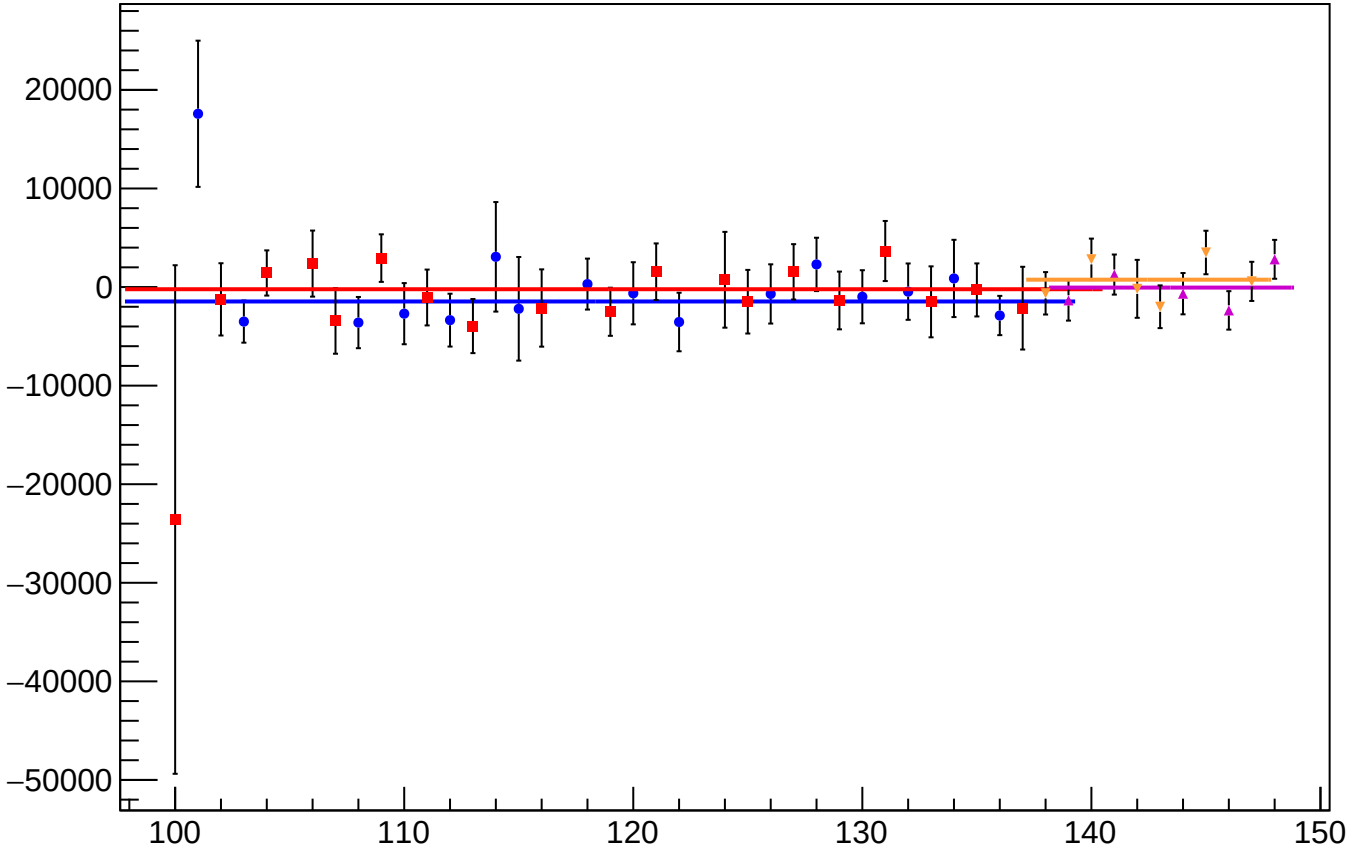
Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

+ sign 3616.681+/-0.767 χ^2/NDF: 1086916.0/21

All: 3603.822+/-0.541 χ^2/NDF: 2294460.3/45

- sign 3591.111+/-0.762 χ^2/NDF: 1206985.0/23

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

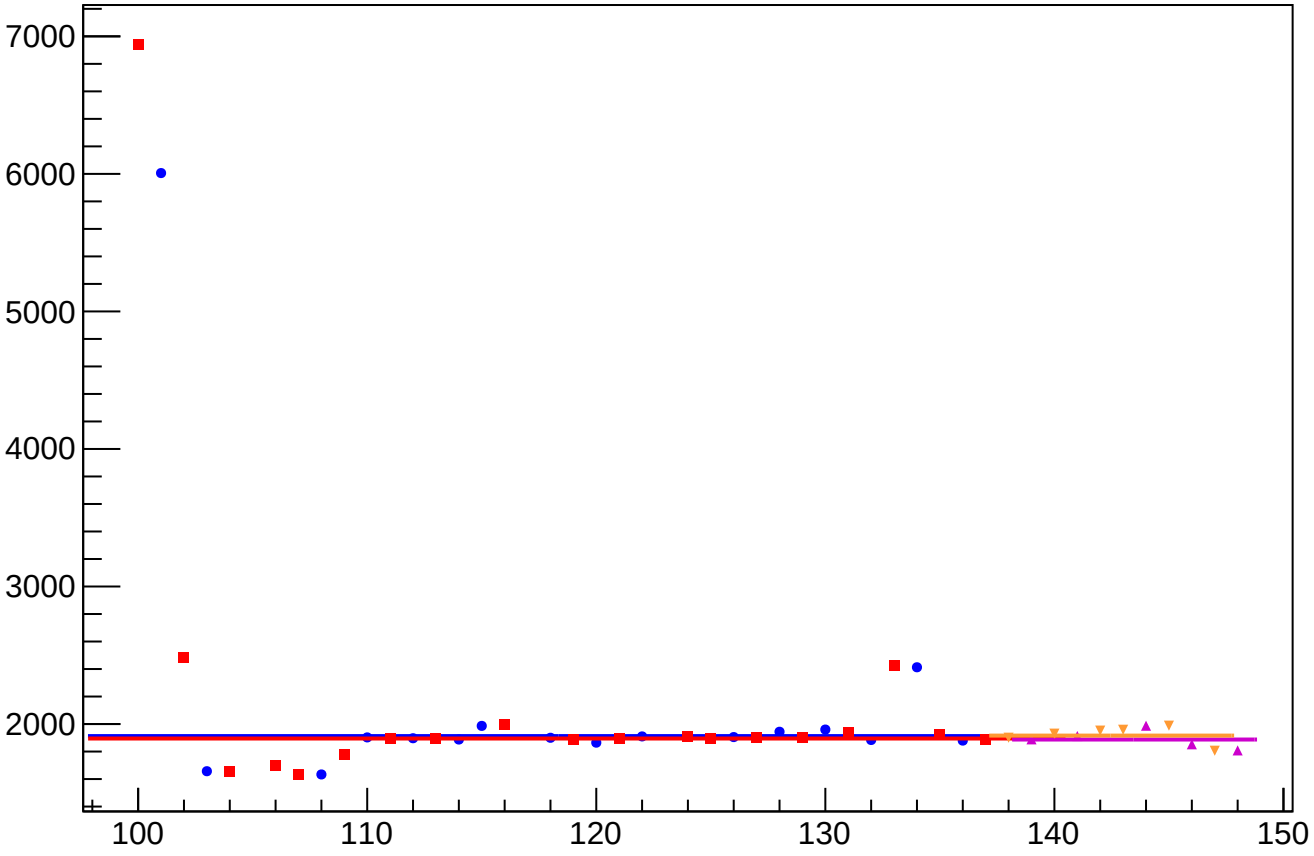
Left In: -53.908+/-902.780 χ^2/NDF:4.4/4

+ sign -590.029+/-566.554 χ^2/NDF: 21.9/21

All: -369.775+/-397.384 χ^2/NDF: 37.4/45

- sign -156.485+/-557.526 χ^2/NDF: 15.2/23

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

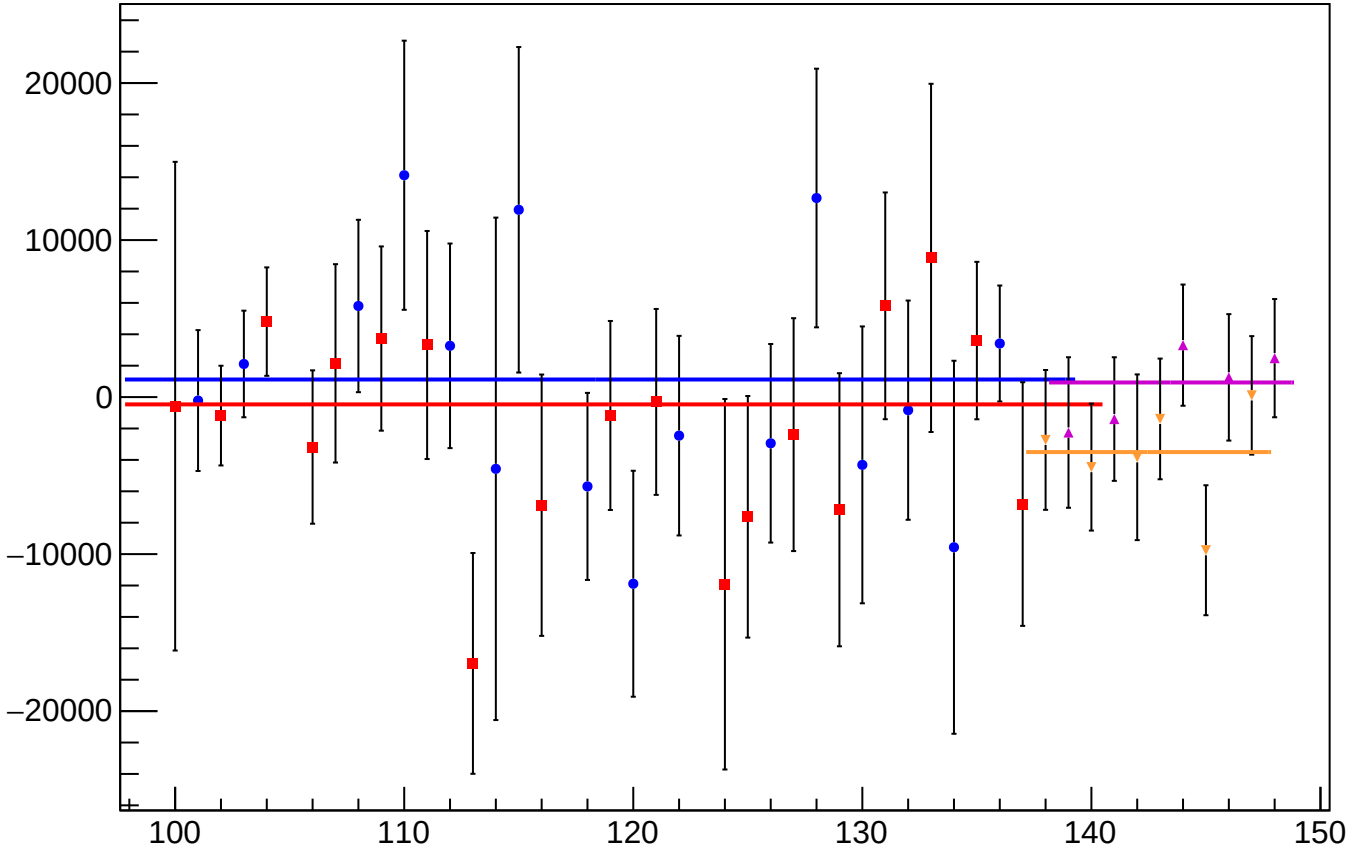
Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

+ sign 1913.813+/-0.401 χ^2/NDF: 705795.5/21

All: 1902.701+/-0.281 χ^2/NDF: 935925.9/45

- sign 1891.954+/-0.394 χ^2/NDF: 228616.9/23

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

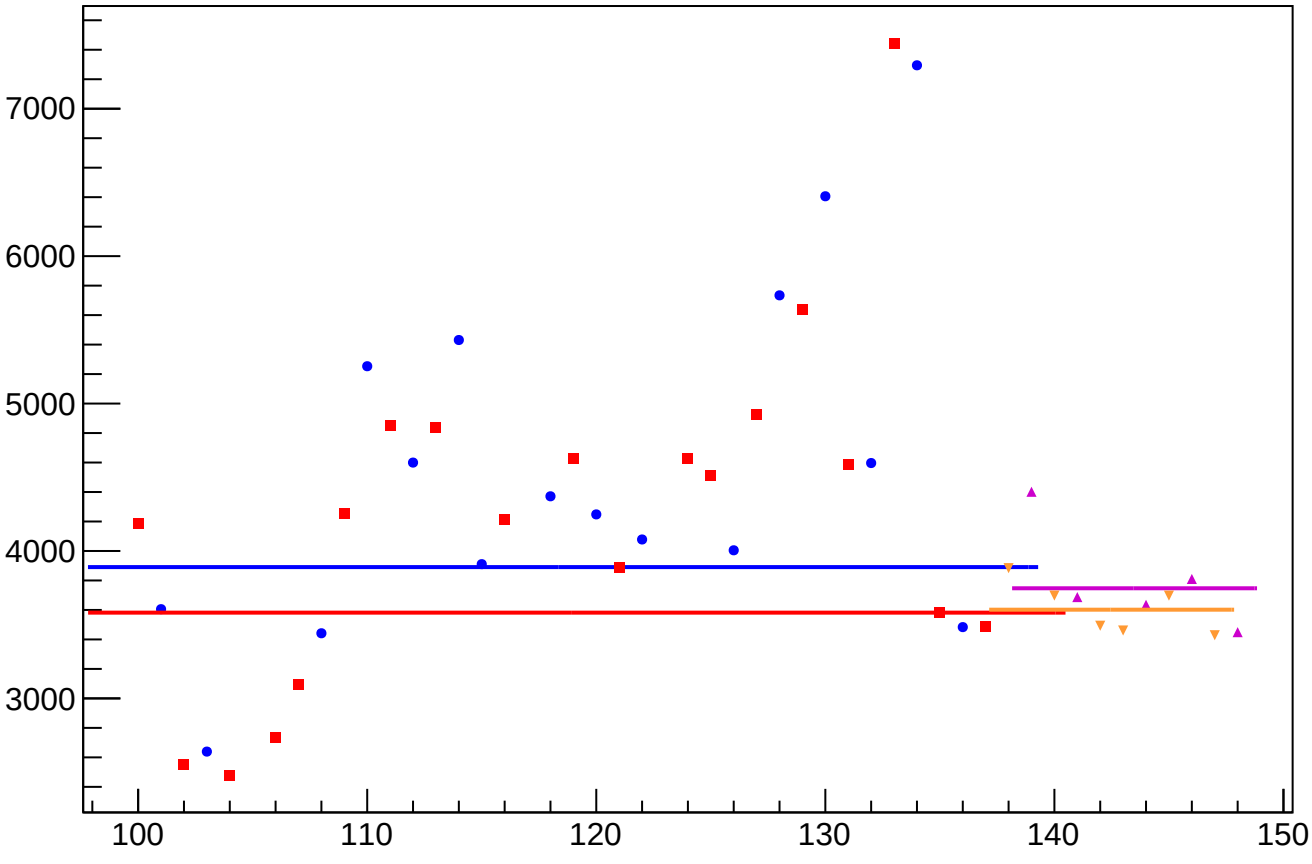
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 930.800+/-1803.422 χ^2/NDF:1.3/4

\+ sign -892.228+/-1125.281 χ^2/NDF: 21.2/21

All: -408.468+/-783.415 χ^2/NDF: 38.3/45

\- sign 46.542+/-1091.330 χ^2/NDF: 16.7/23



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

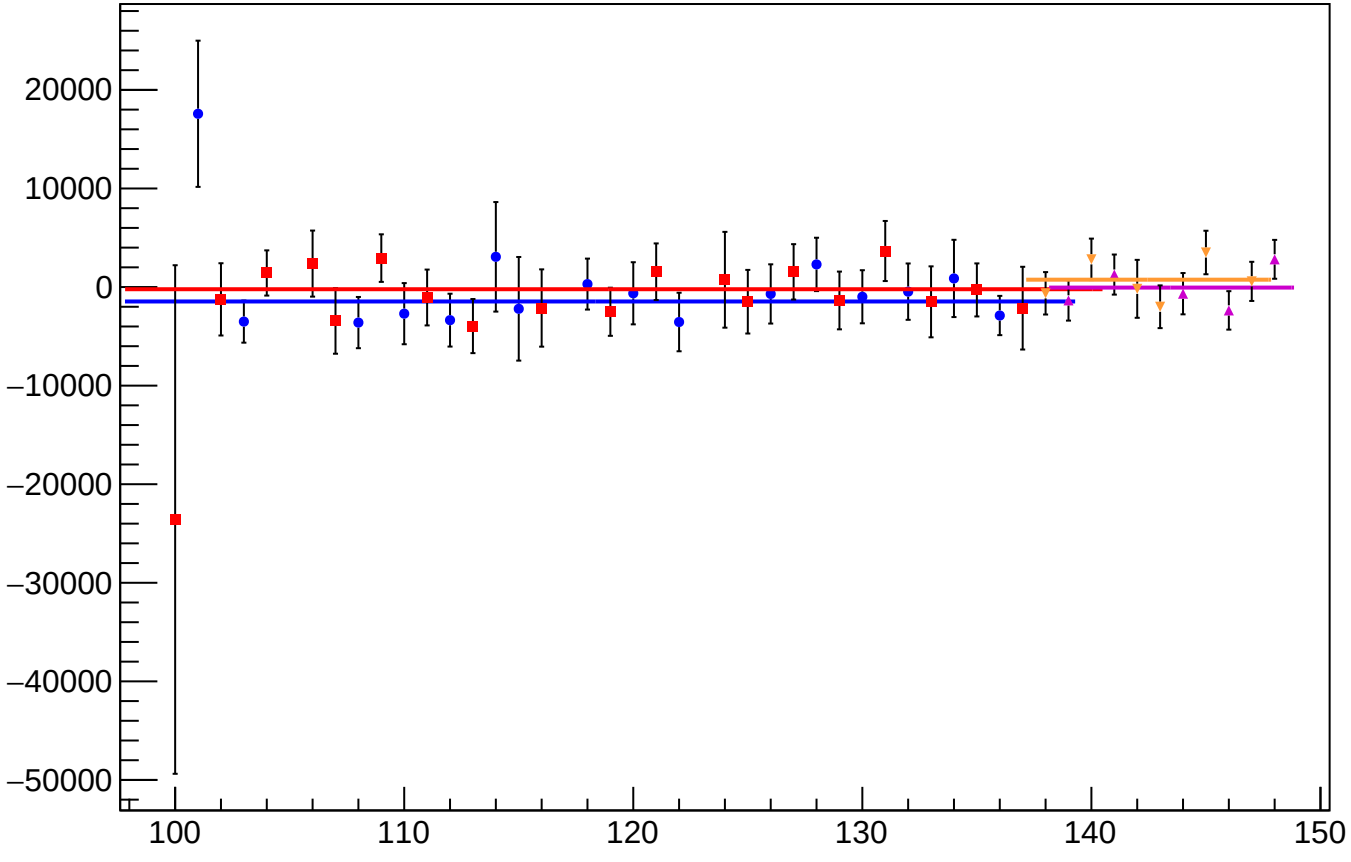
Left In: 3747.040+/-1.275 χ^2/NDF:52448.4/4

+ sign 3764.891+/-0.796 χ^2/NDF: 928800.2/21

All: 3701.717+/-0.554 χ^2/NDF: 2225980.5/45

- sign 3642.298+/-0.772 χ^2/NDF: 1284948.0/23

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

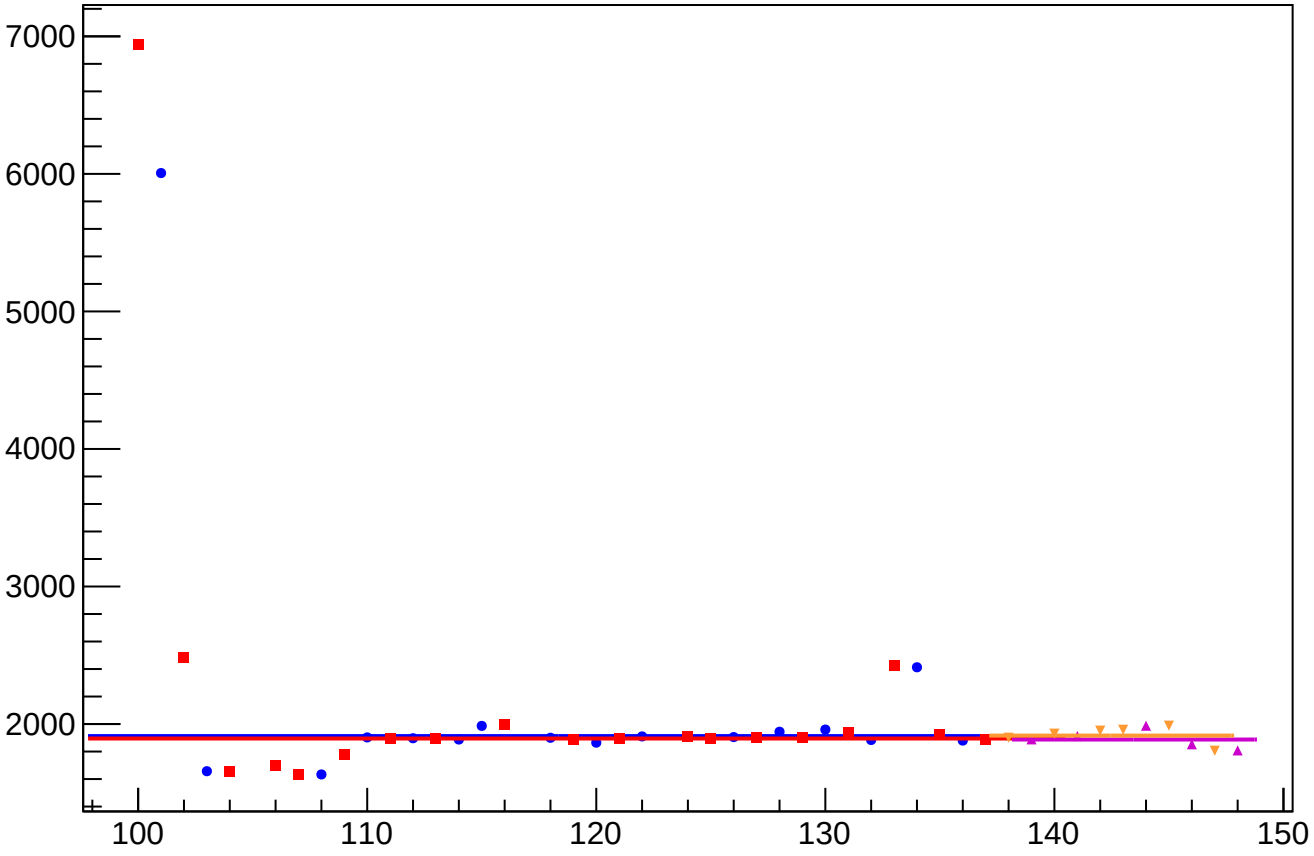
Left In: -53.913+/-902.781 χ^2/NDF:4.4/4

+ sign -590.033+/-566.554 χ^2/NDF: 21.9/21

All: -369.776+/-397.384 χ^2/NDF: 37.4/45

- sign -156.484+/-557.526 χ^2/NDF: 15.2/23

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

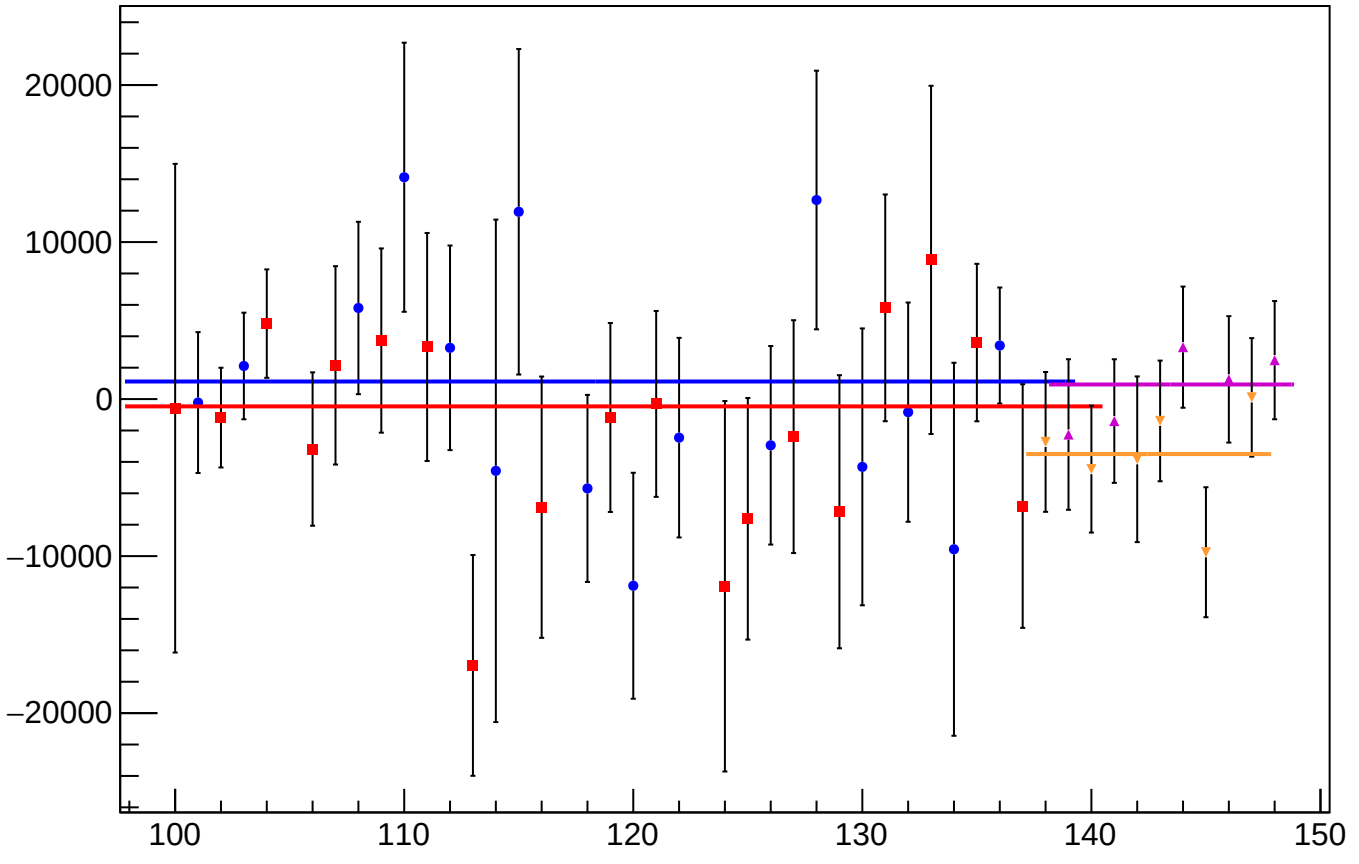
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

+ sign 1913.814+/-0.401 χ^2/NDF: 705795.5/21

All: 1902.701+/-0.281 χ^2/NDF: 935925.8/45

- sign 1891.954+/-0.394 χ^2/NDF: 228616.8/23



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

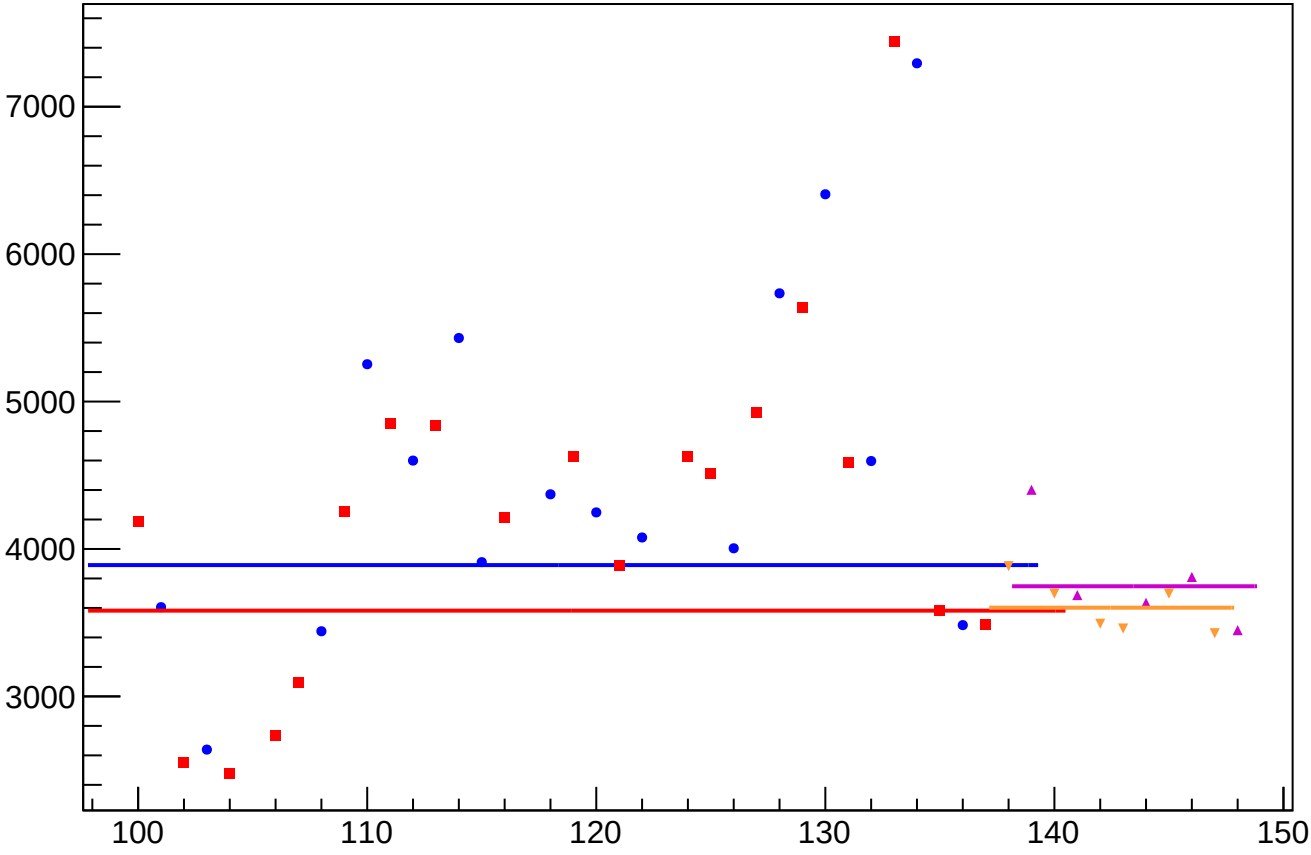
Left In: 930.794+/-1803.424 χ^2/NDF:1.3/4

+ sign -892.232+/-1125.281 χ^2/NDF: 21.2/21

All: -408.471+/-783.415 χ^2/NDF: 38.3/45

- sign 46.538+/-1091.330 χ^2/NDF: 16.7/23

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

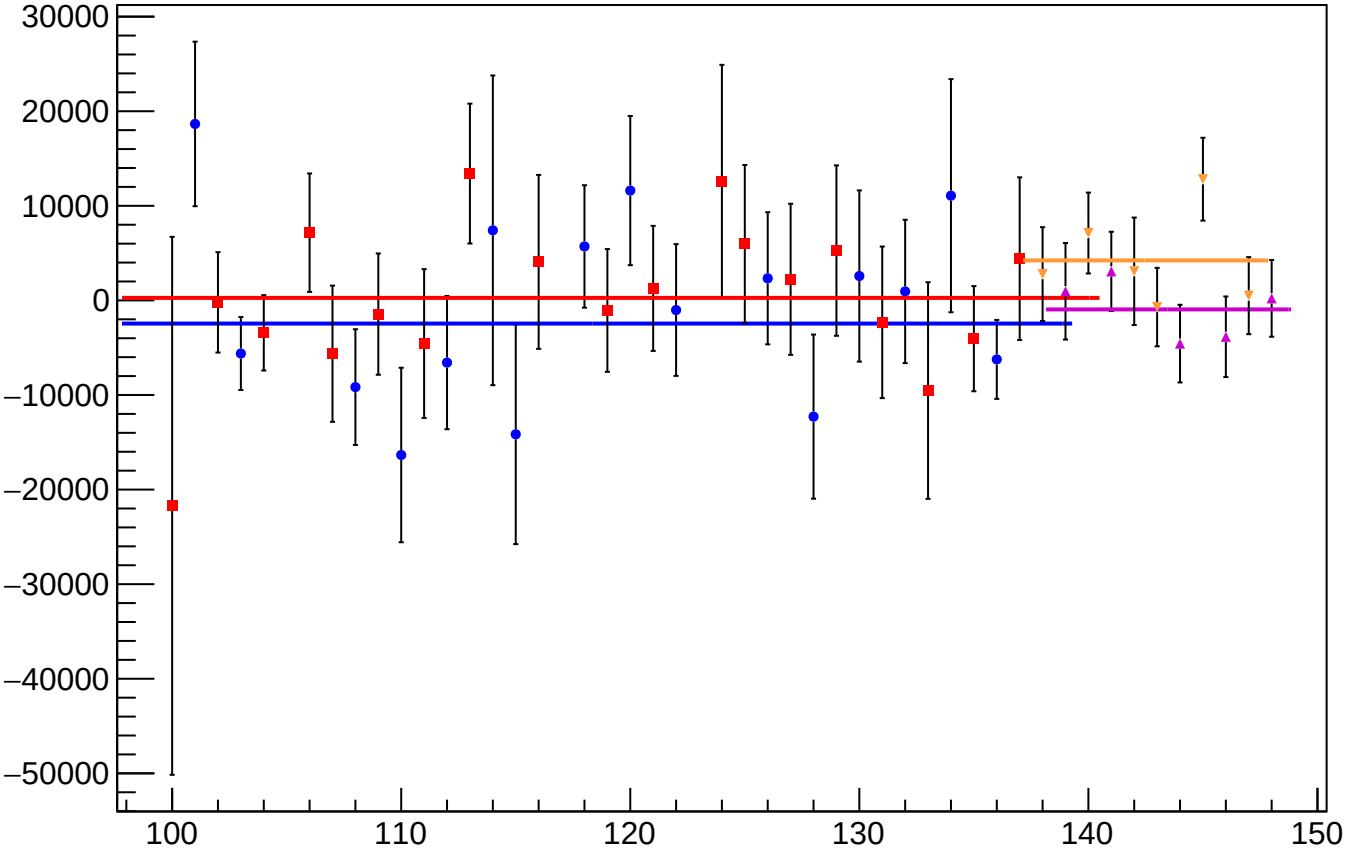
Left In: 3747.044+/-1.275 χ^2/NDF:52449.0/4

+ sign 3764.892+/-0.796 χ^2/NDF: 928789.5/21

All: 3701.717+/-0.554 χ^2/NDF: 2225963.0/45

- sign 3642.298+/-0.772 χ^2/NDF: 1284940.9/23

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

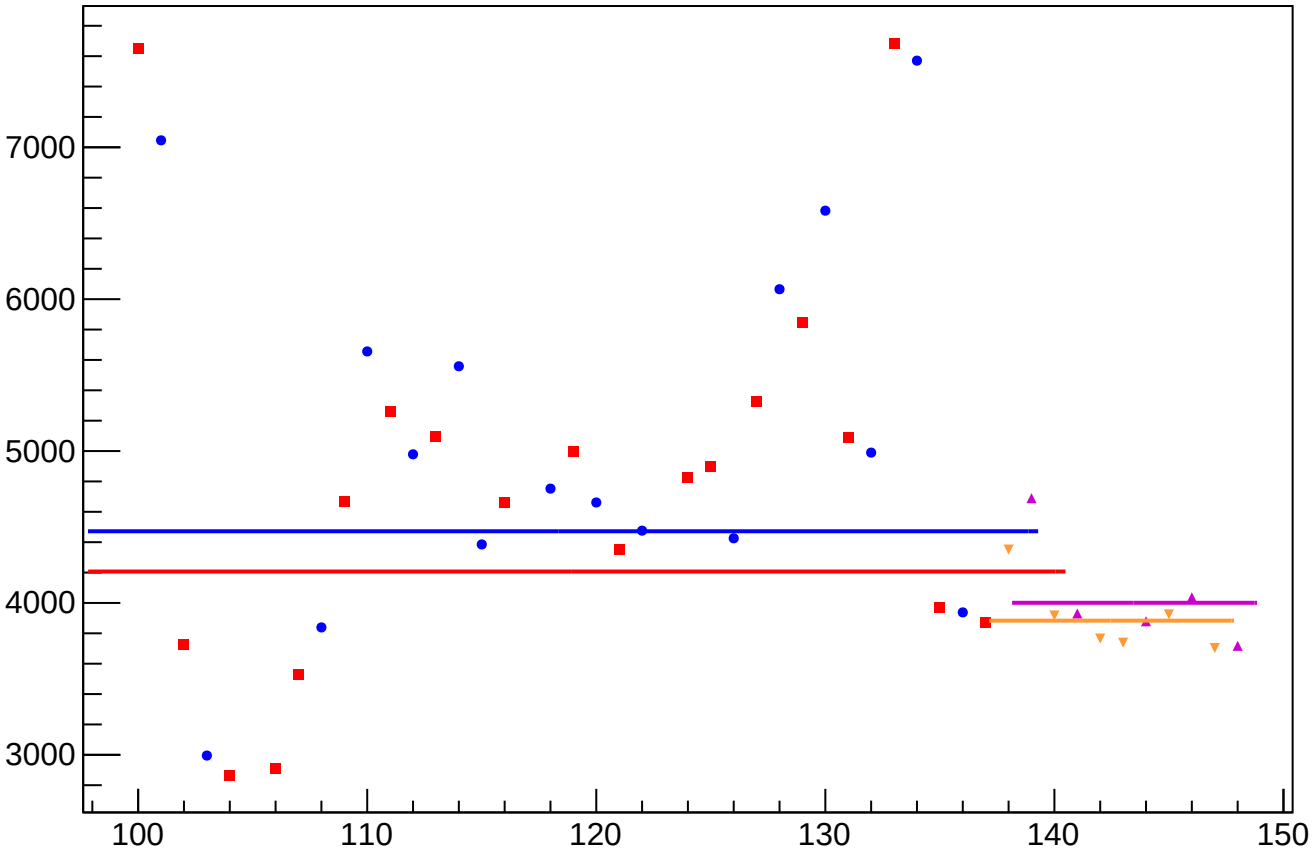
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -952.610+/-1922.086 χ^2/NDF:2.4/4

+ sign 673.346+/-1254.820 χ^2/NDF: 34.6/21

All: 210.623+/-881.955 χ^2/NDF: 48.2/45

- sign -241.133+/-1239.861 χ^2/NDF: 13.3/23



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

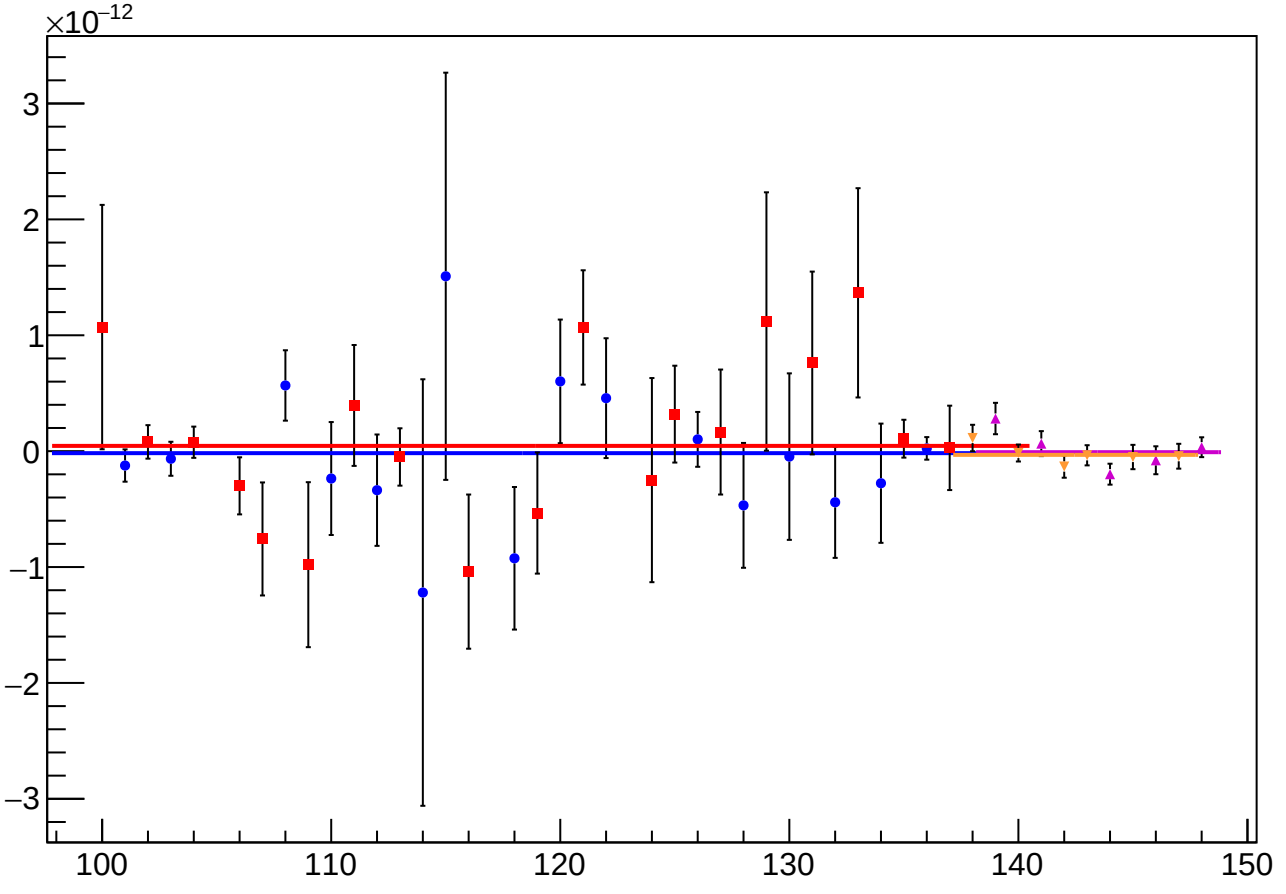
Left In: 4001.025+/-1.359 χ^2/NDF:48683.2/4

+ sign 4196.776+/-0.887 χ^2/NDF: 1026481.2/21

All: 4158.789+/-0.622 χ^2/NDF: 1938784.6/45

- sign 4122.057+/-0.873 χ^2/NDF: 908698.2/23

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

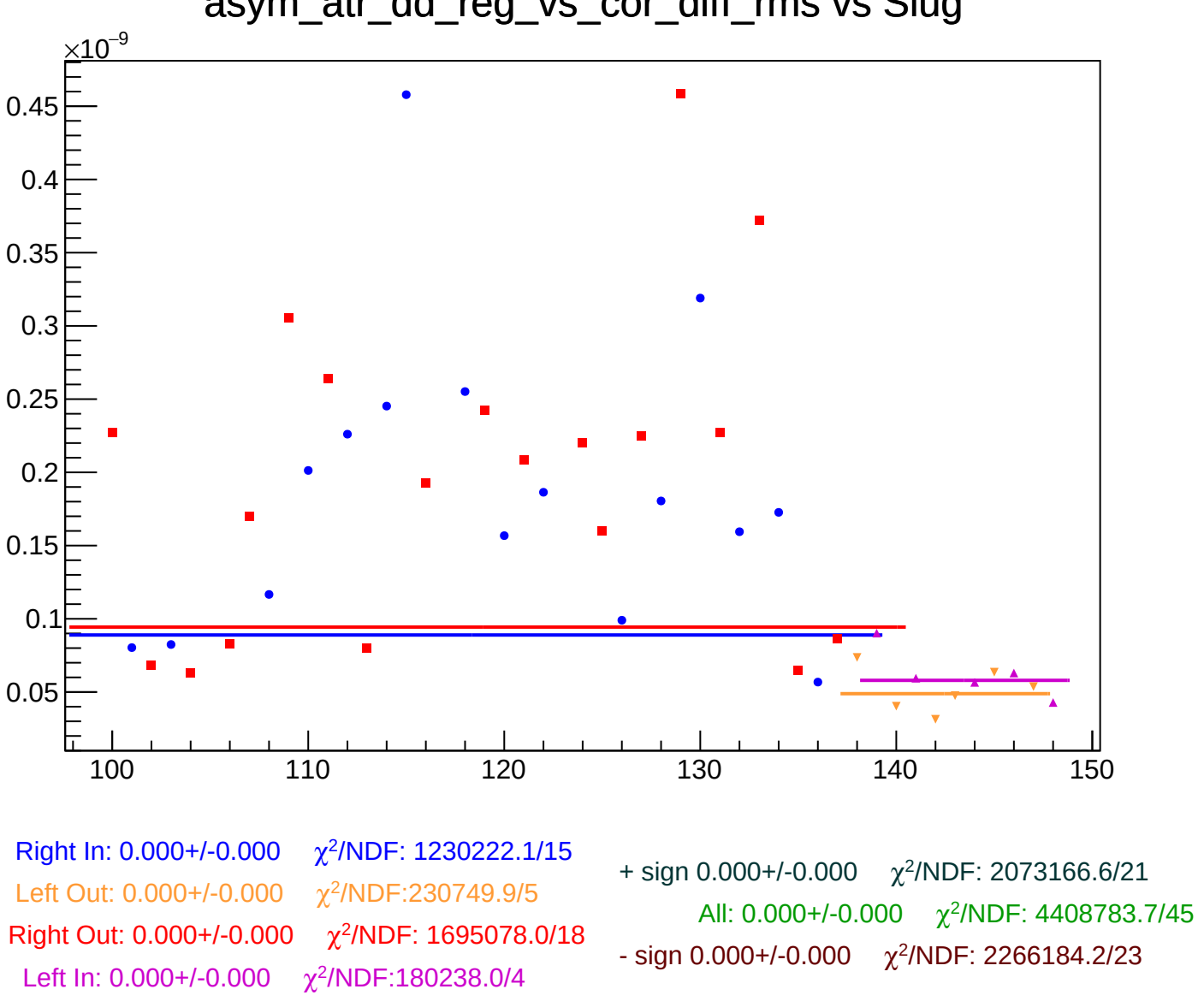
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/4

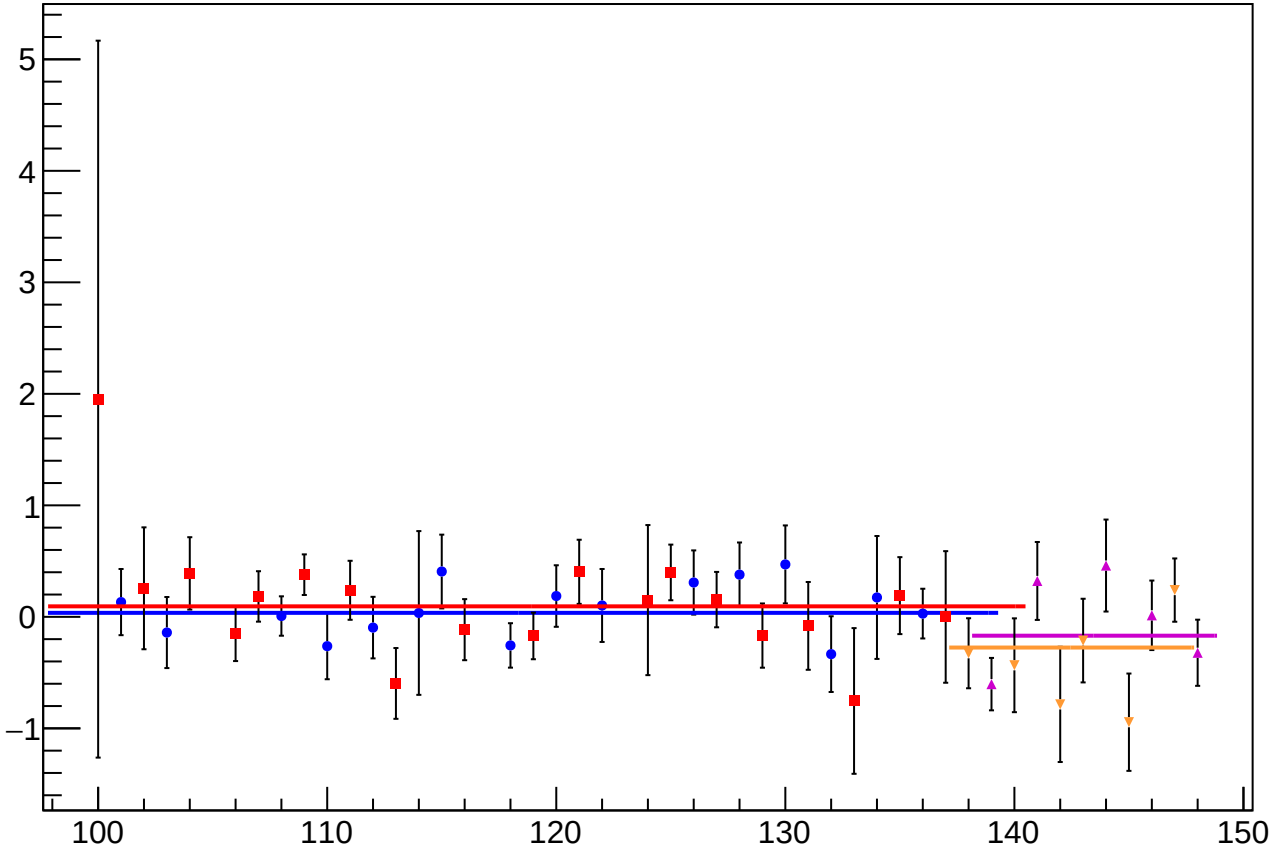
+ sign -0.000+/-0.000 χ^2/NDF: 15.6/21

All: -0.000+/-0.000 χ^2/NDF: 47.8/45

- sign 0.000+/-0.000 χ^2/NDF: 31.7/23


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:230749.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:180238.0/4
+ sign 0.000+/-0.000 χ²/NDF: 2073166.6/21
All: 0.000+/-0.000 χ²/NDF: 4408783.7/45
- sign 0.000+/-0.000 χ²/NDF: 2266184.2/23

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

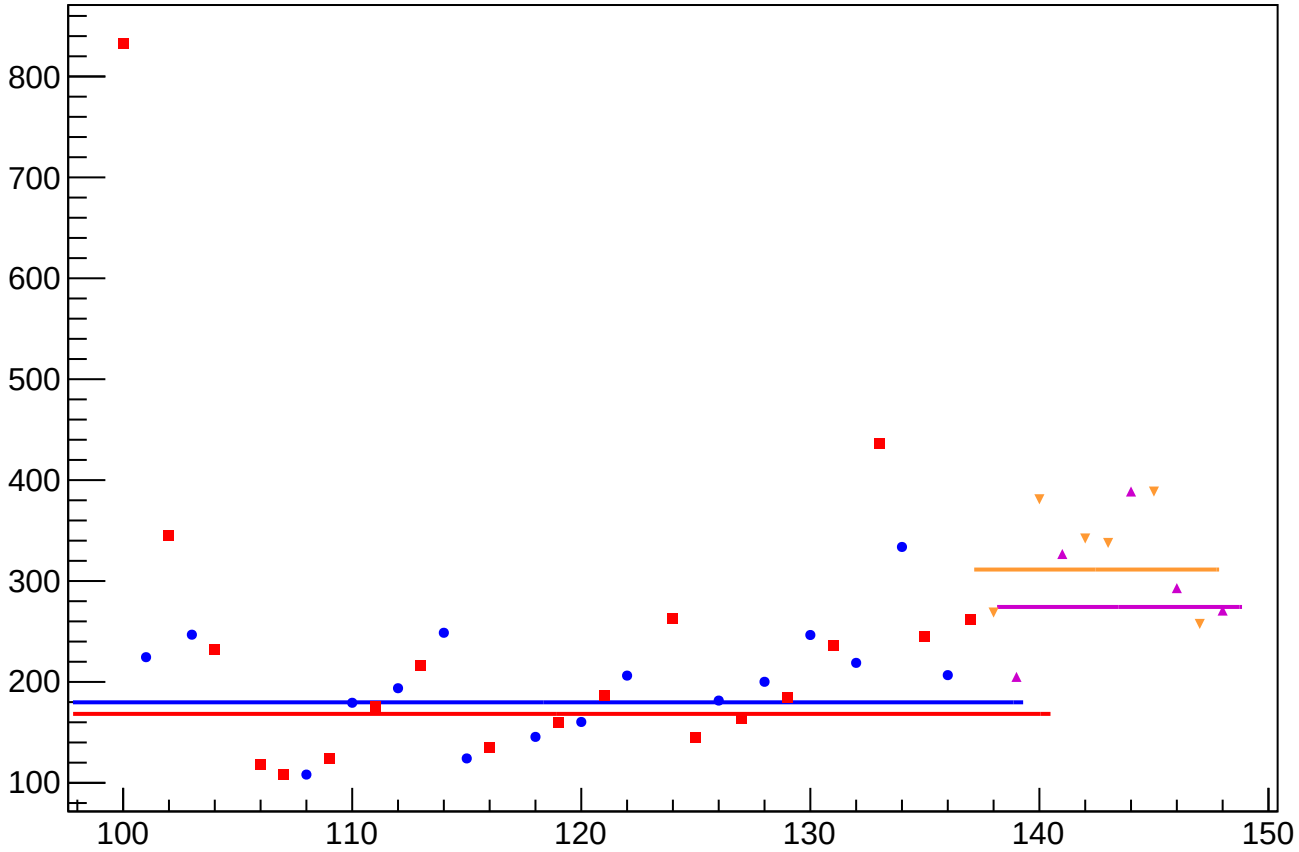
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.013+/-0.044 χ^2/NDF: 50.3/45

- sign 0.042+/-0.061 χ^2/NDF: 28.9/23

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

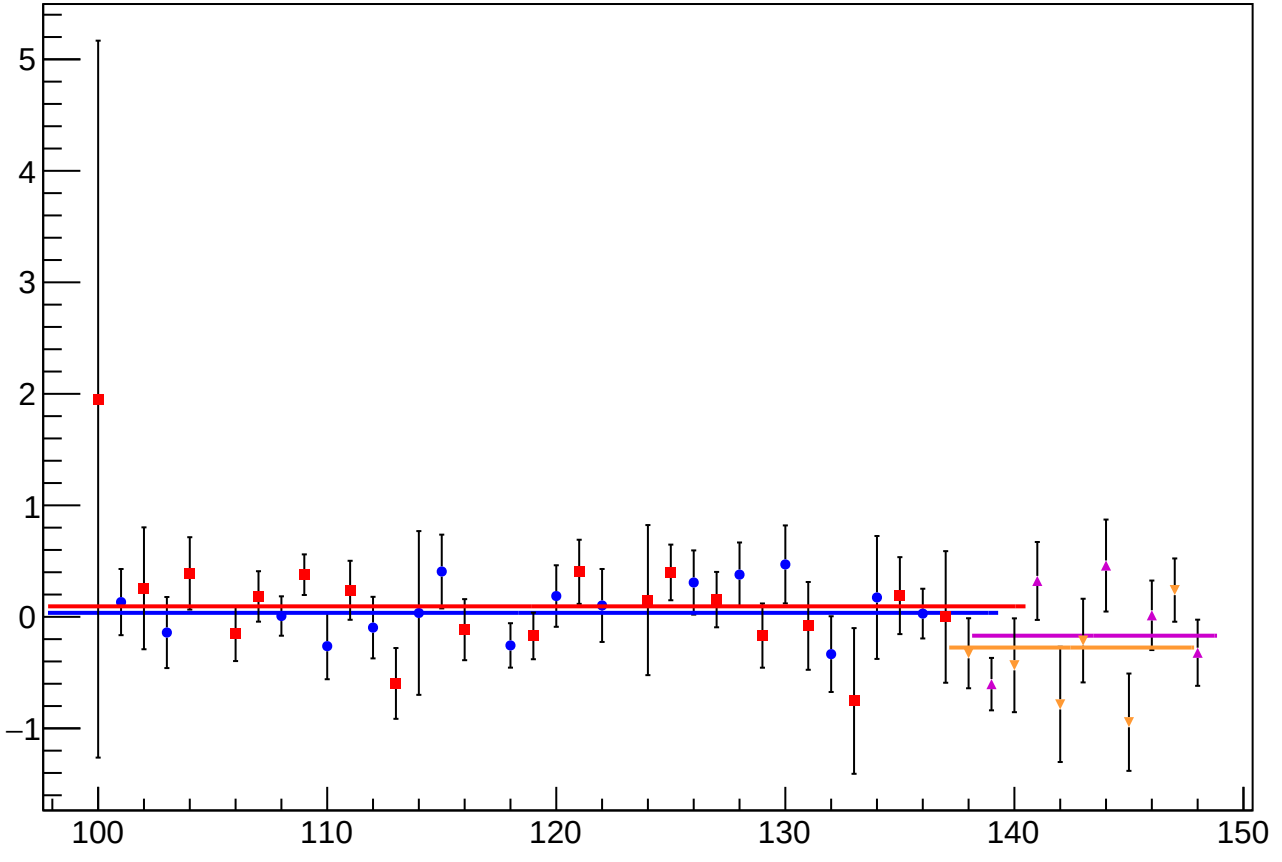
Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

+ sign 203.585+/-0.045 χ^2/NDF: 2418628.4/21

All: 196.049+/-0.031 χ^2/NDF: 5231156.7/45

- sign 189.270+/-0.043 χ^2/NDF: 2759656.2/23

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

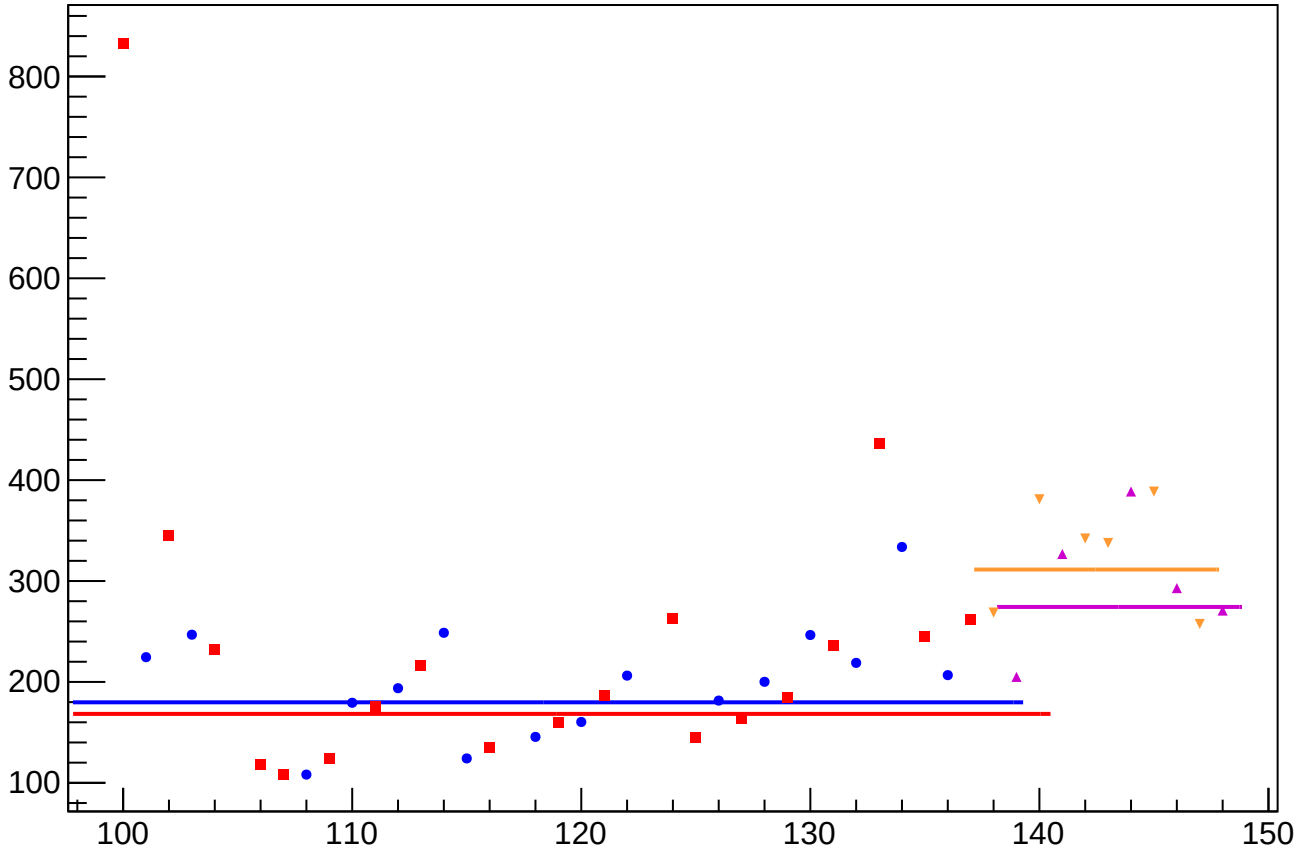
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.013+/-0.044 χ^2/NDF: 50.3/45

- sign 0.042+/-0.061 χ^2/NDF: 28.9/23

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

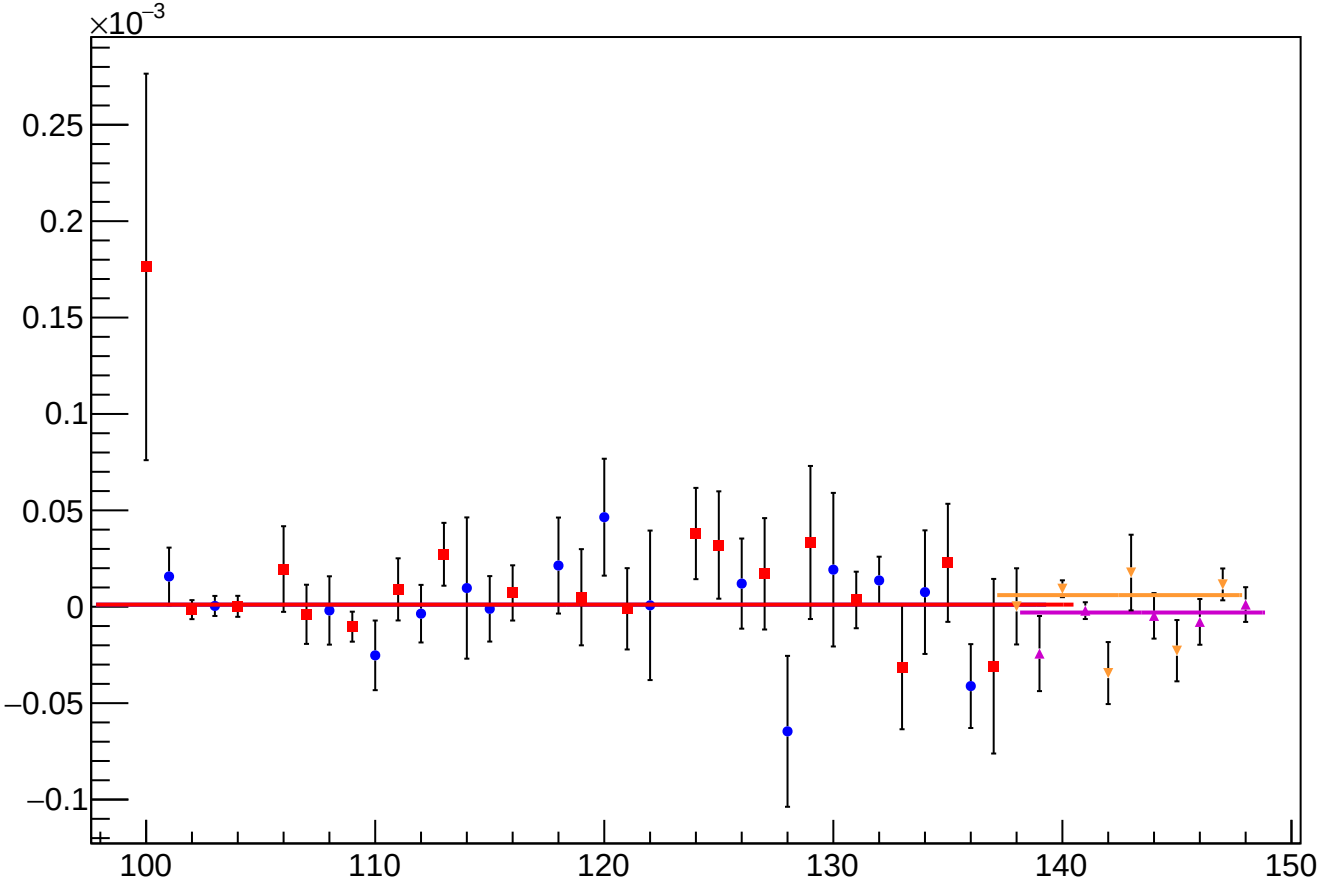
Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

+ sign 203.585+/-0.045 χ^2/NDF: 2418628.4/21

All: 196.049+/-0.031 χ^2/NDF: 5231156.7/45

- sign 189.270+/-0.043 χ^2/NDF: 2759656.2/23

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/5

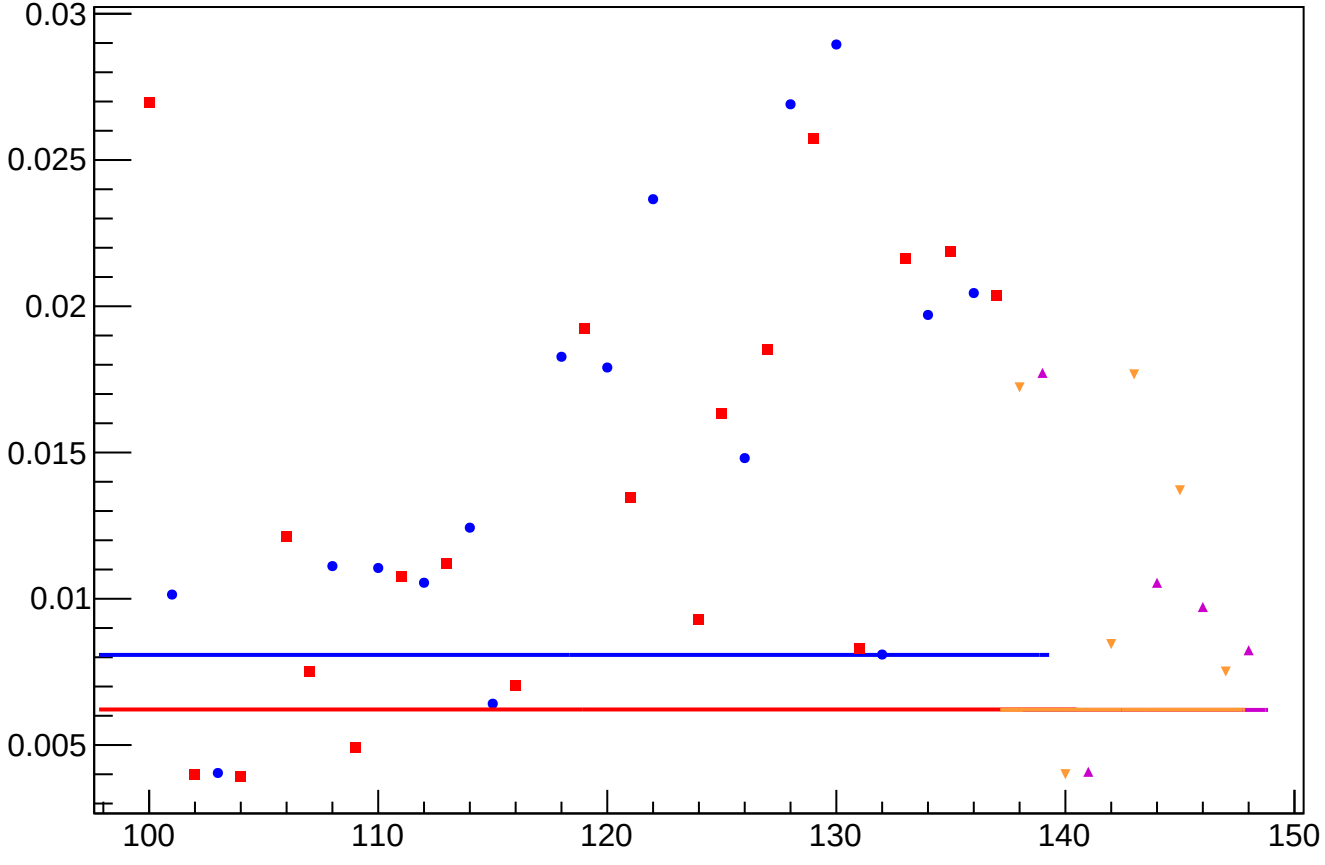
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/21

All: 0.000+/-0.000 χ^2/NDF: 46.3/45

- sign -0.000+/-0.000 χ^2/NDF: 18.5/23



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

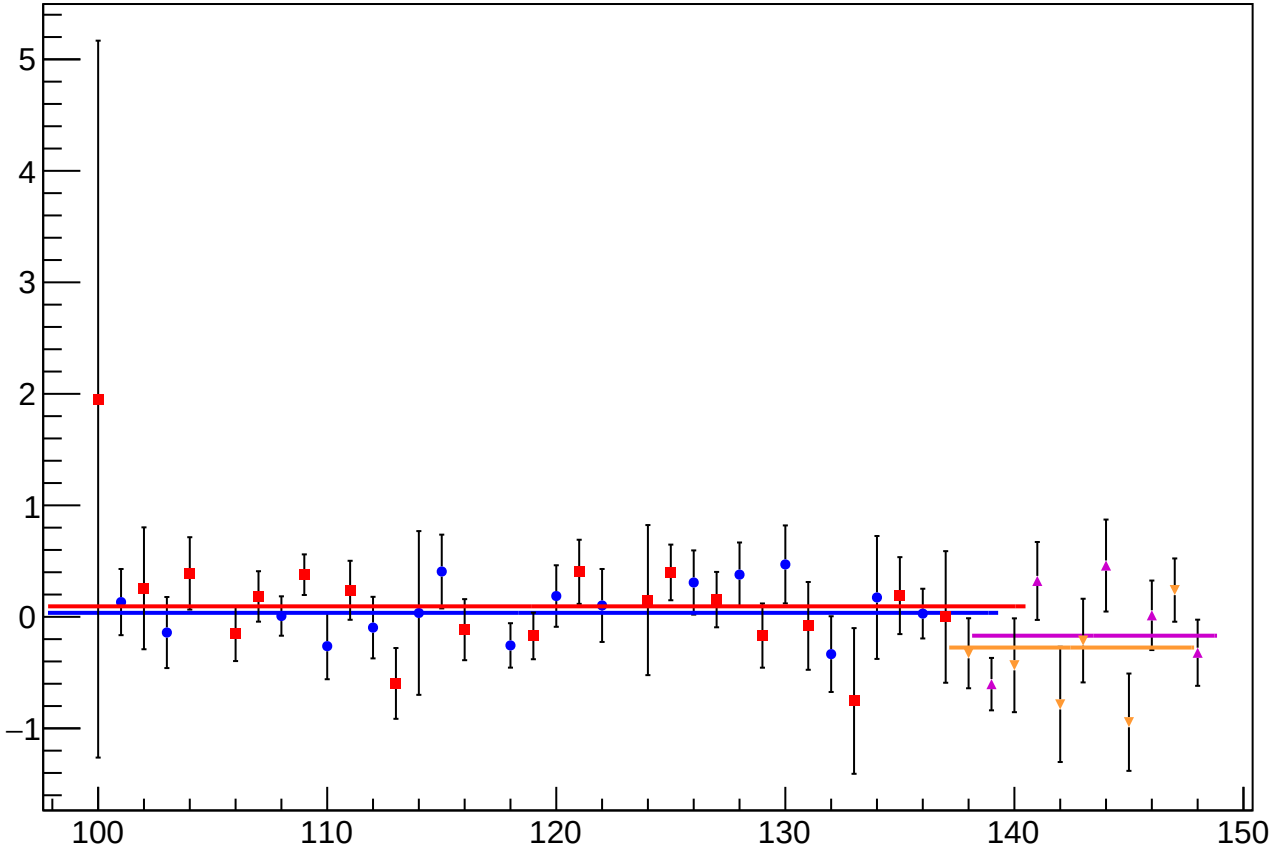
Left In: 0.006+/-0.000 χ^2/NDF:1722304.4/4

+ sign 0.007+/-0.000 χ^2/NDF: 7029882.7/21

All: 0.007+/-0.000 χ^2/NDF: 13452146.9/45

- sign 0.006+/-0.000 χ^2/NDF: 6283315.6/23

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

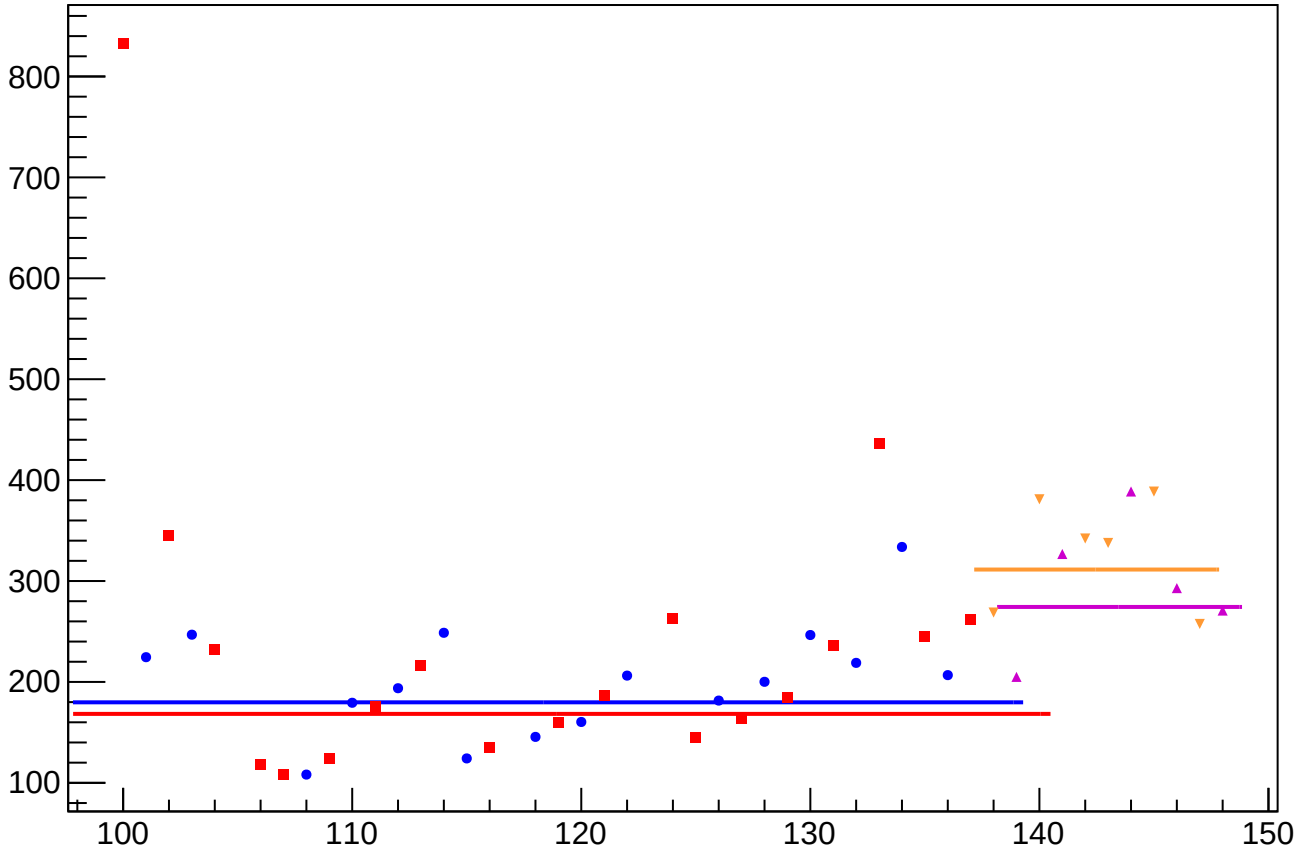
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.013+/-0.044 χ^2/NDF: 50.3/45

- sign 0.042+/-0.061 χ^2/NDF: 28.9/23

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

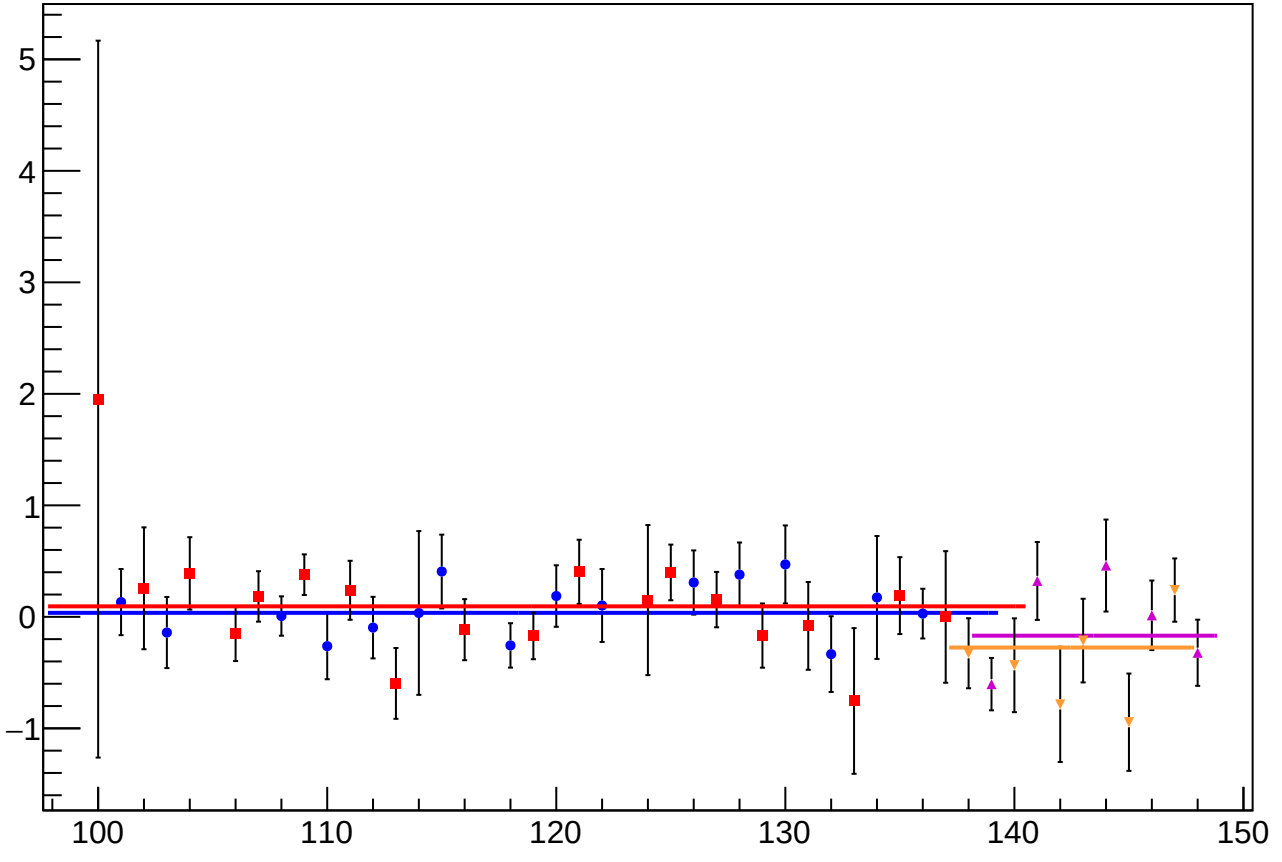
Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

+ sign 203.583+/-0.045 χ^2/NDF: 2418775.0/21

All: 196.048+/-0.031 χ^2/NDF: 5231321.5/45

- sign 189.270+/-0.043 χ^2/NDF: 2759692.4/23

asym_atr_dd_eigen_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

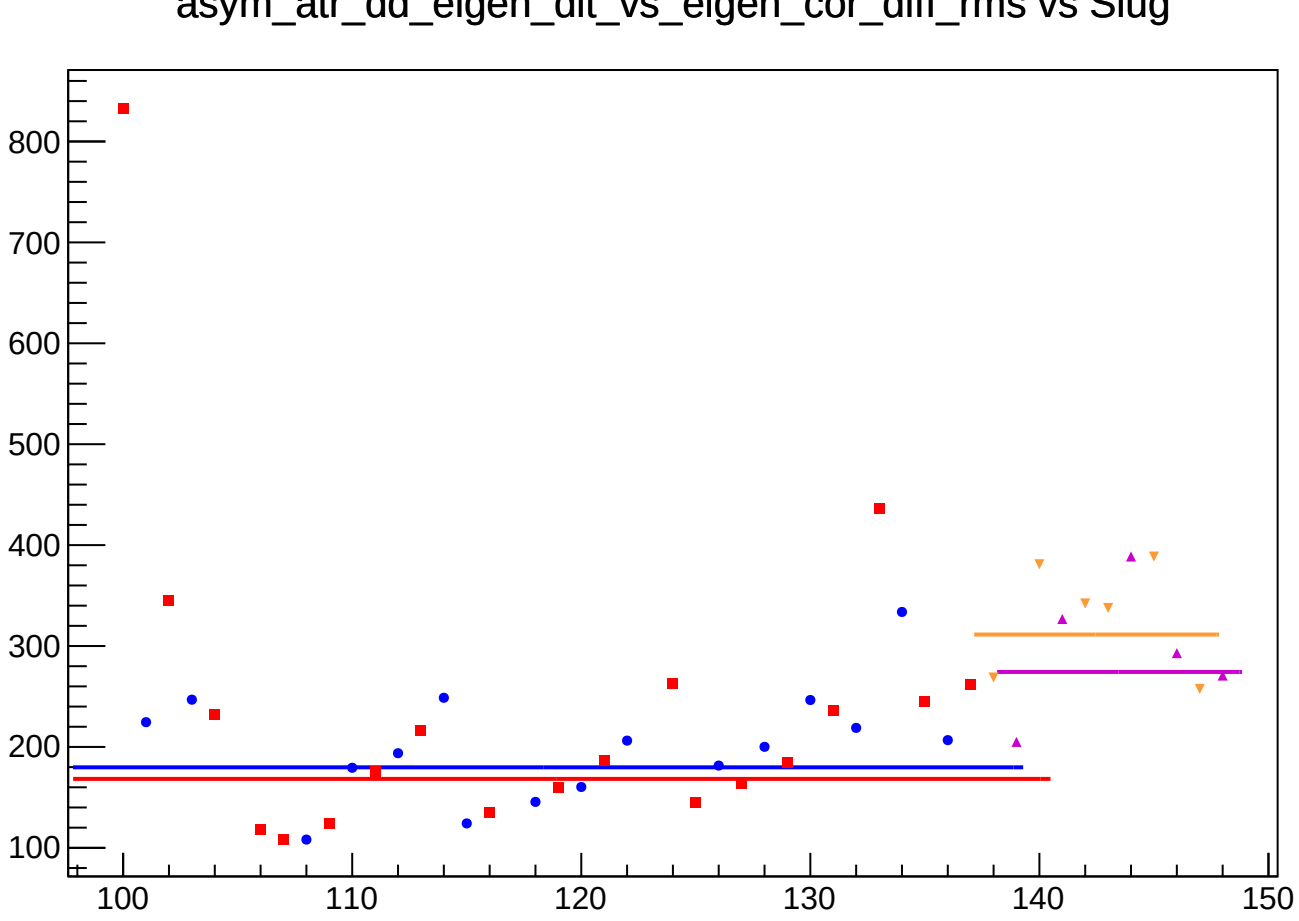
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.020+/-0.064 χ^2/NDF: 20.9/21

All: 0.013+/-0.044 χ^2/NDF: 50.3/45

- sign 0.042+/-0.061 χ^2/NDF: 28.9/23



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 311.379+/-0.106 χ^2/NDF:243336.9/5

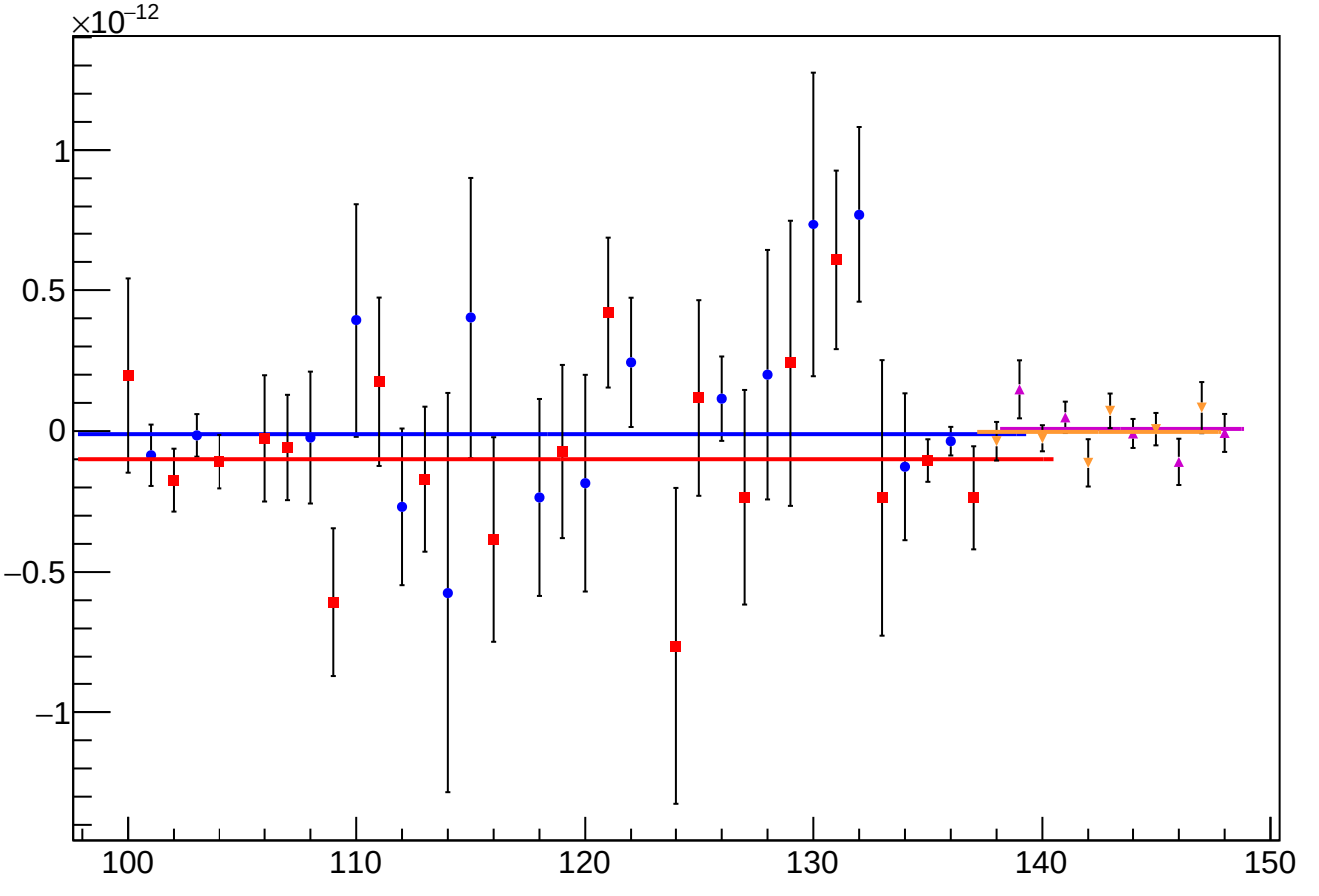
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

+ sign 203.583+/-0.045 χ^2/NDF: 2418775.0/21

All: 196.048+/-0.031 χ^2/NDF: 5231321.5/45

- sign 189.270+/-0.043 χ^2/NDF: 2759692.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

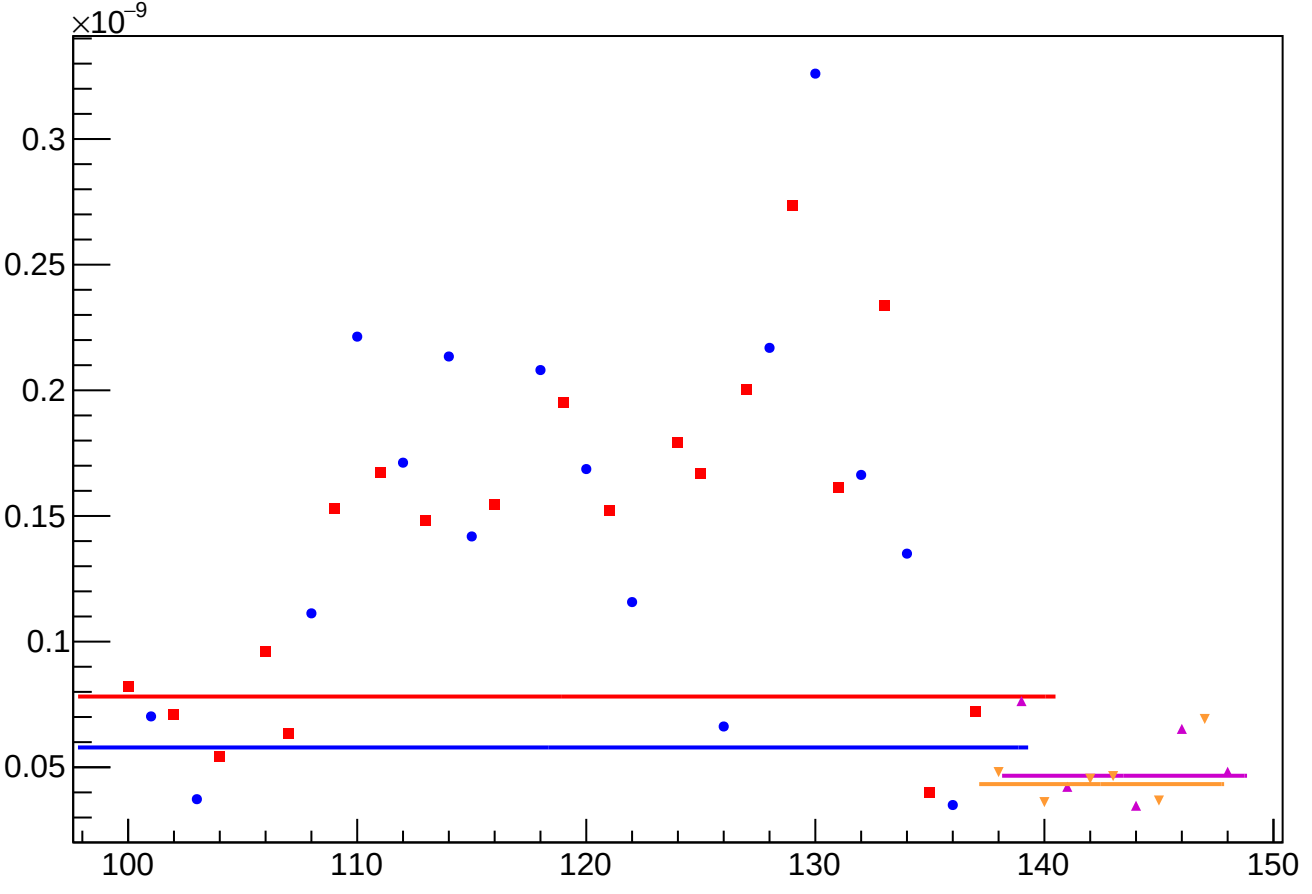
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/21

All: -0.000+/-0.000 χ^2/NDF: 47.5/45

- sign -0.000+/-0.000 χ^2/NDF: 27.4/23



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

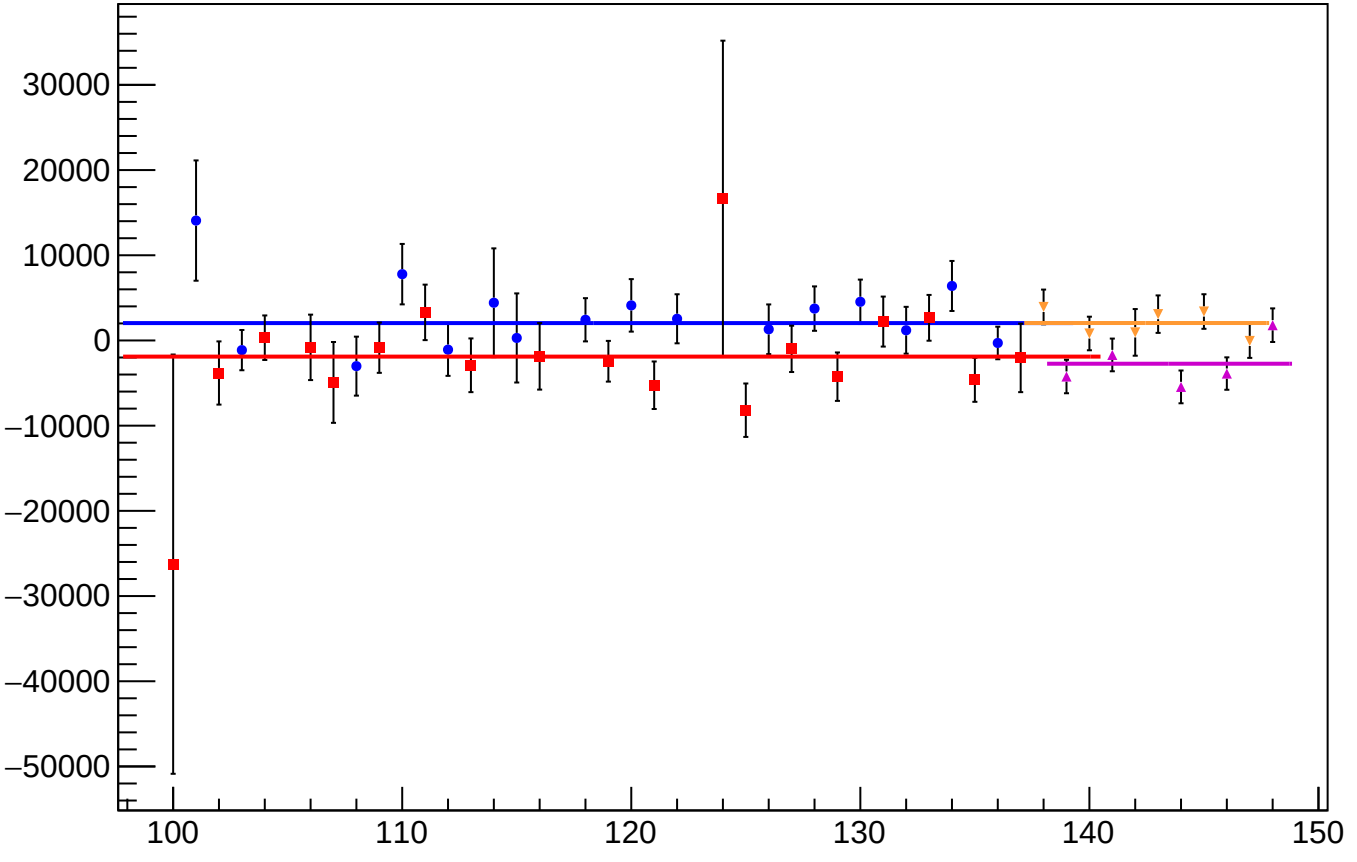
Left In: 0.000+/-0.000 χ^2/NDF:391012.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3800208.8/21

All: 0.000+/-0.000 χ^2/NDF: 7822553.9/45

- sign 0.000+/-0.000 χ^2/NDF: 3877769.5/23

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

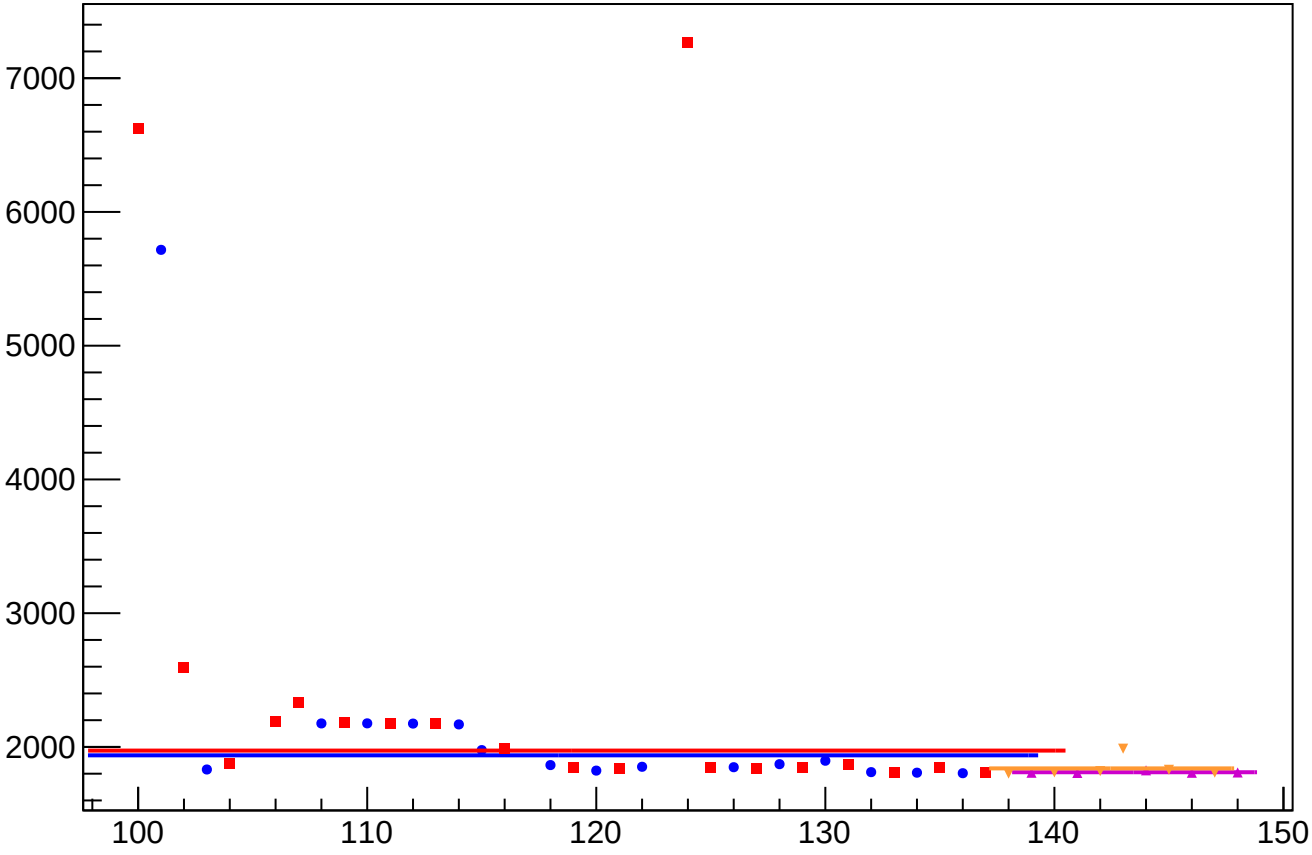
Left In: -2731.025+/-865.749 χ^2/NDF:8.5/4

+ sign 2042.862+/-560.831 χ^2/NDF: 19.6/21

All: -100.735+/-396.658 χ^2/NDF: 76.4/45

- sign -2246.294+/-561.088 χ^2/NDF: 27.5/23

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

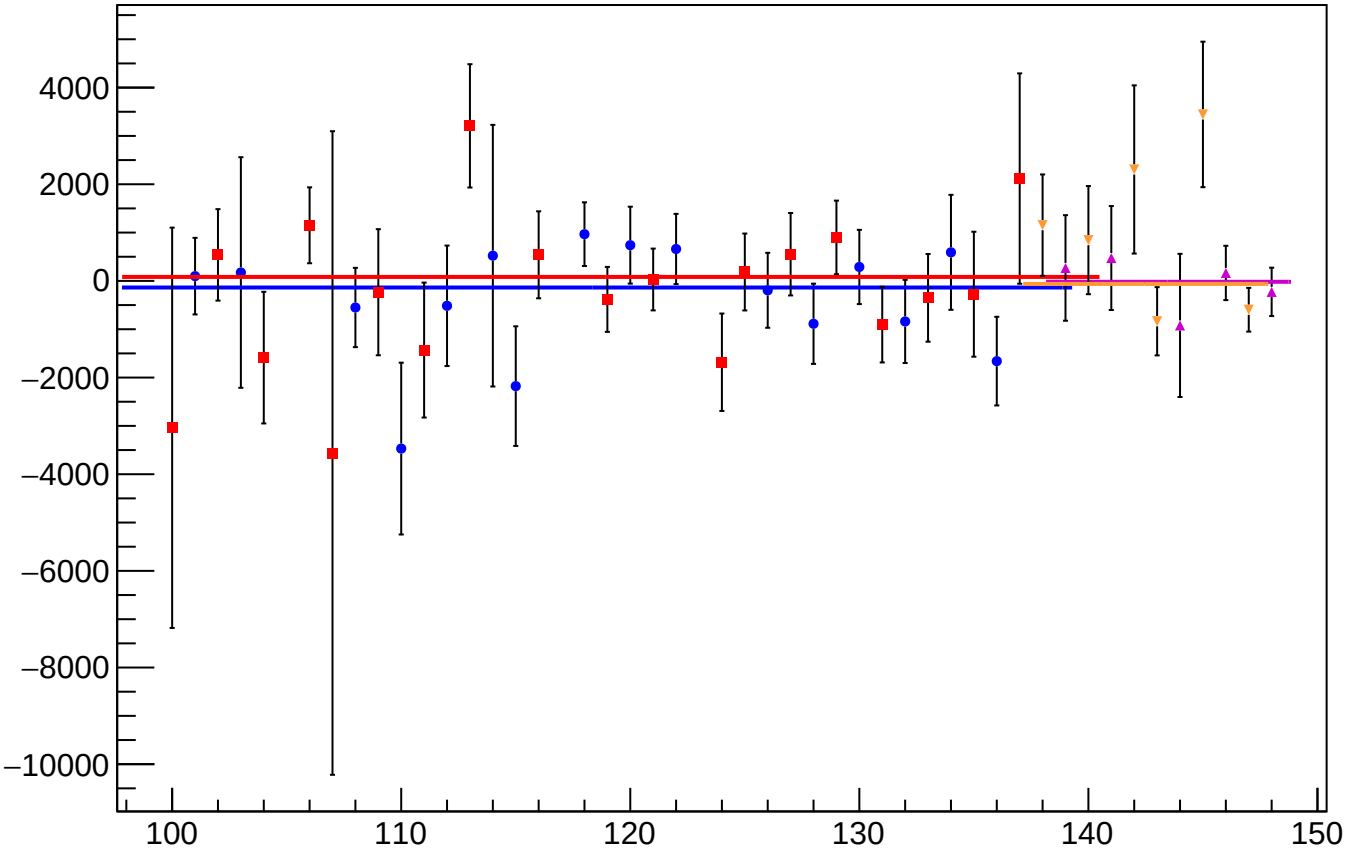
Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1900.519+/-0.280 χ^2/NDF: 1082162.5/45

- sign 1904.763+/-0.397 χ^2/NDF: 418237.2/23

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

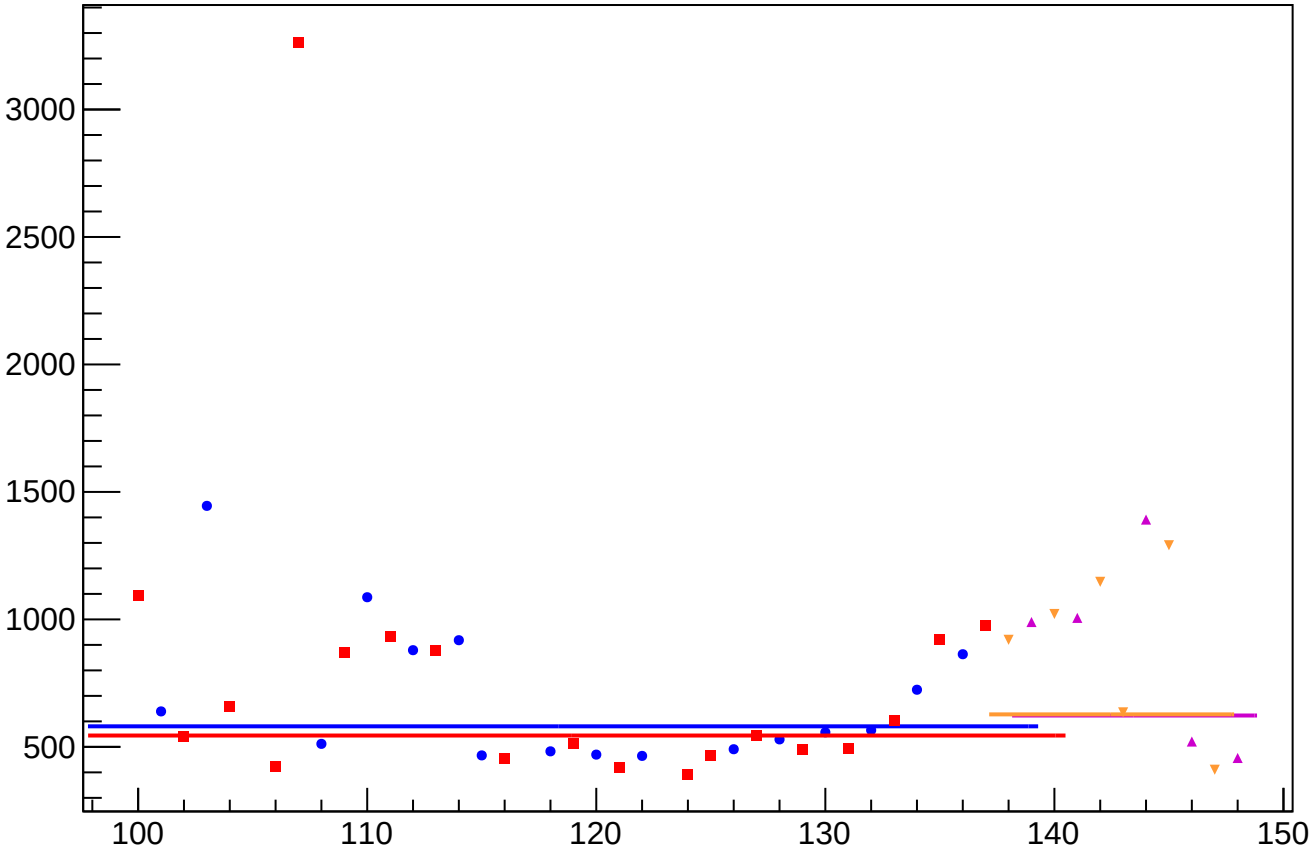
Left In: -18.323+/-327.537 χ^2/NDF:0.9/4

+ sign -112.003+/-188.300 χ^2/NDF: 28.8/21

All: -28.716+/-131.520 χ^2/NDF: 49.9/45

- sign 50.619+/-183.777 χ^2/NDF: 20.7/23

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

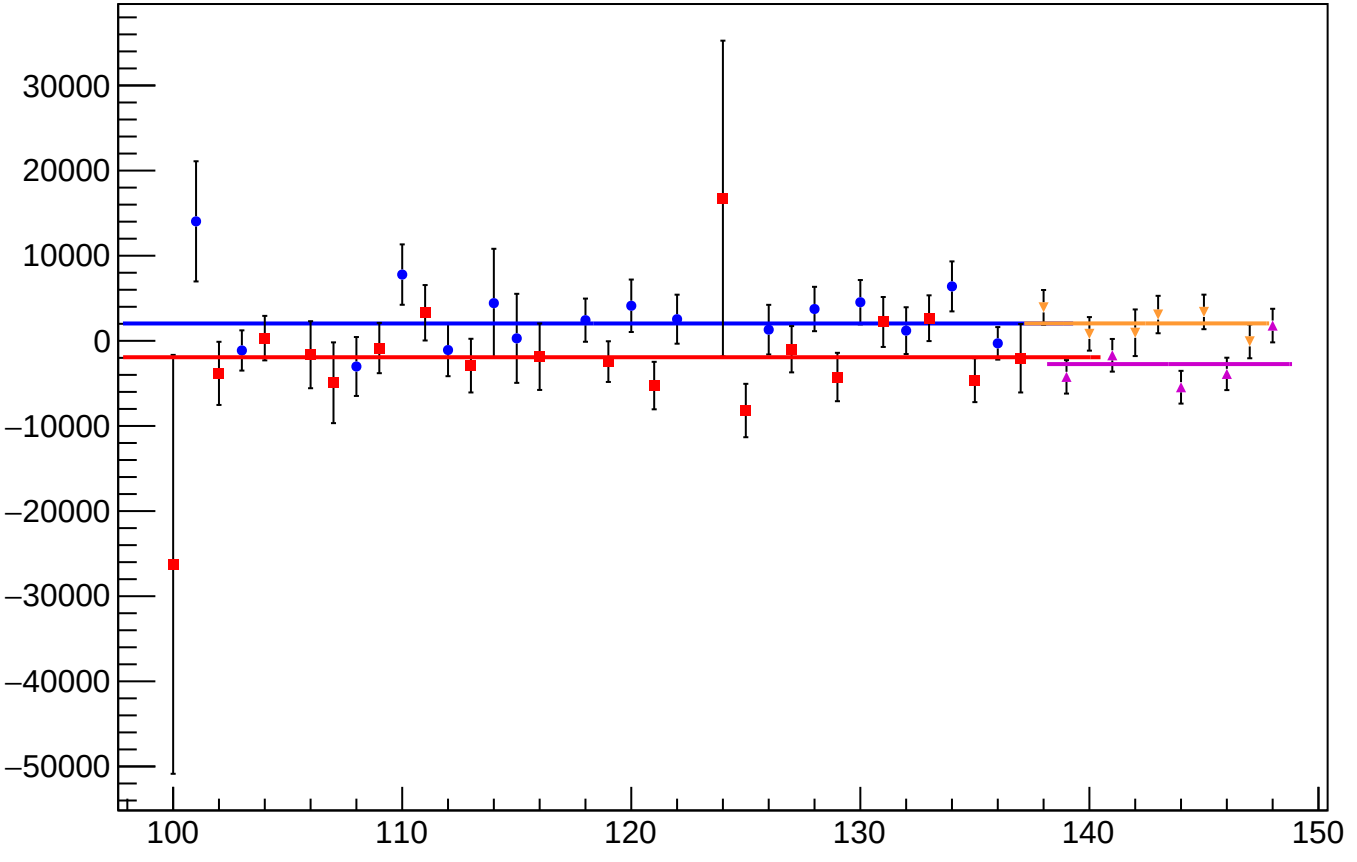
Left In: 623.044+/-0.232 χ^2/NDF:1304944.1/4

+ sign 596.173+/-0.133 χ^2/NDF: 2461615.4/21

All: 582.383+/-0.093 χ^2/NDF: 5153887.8/45

- sign 569.248+/-0.130 χ^2/NDF: 2671328.6/23

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

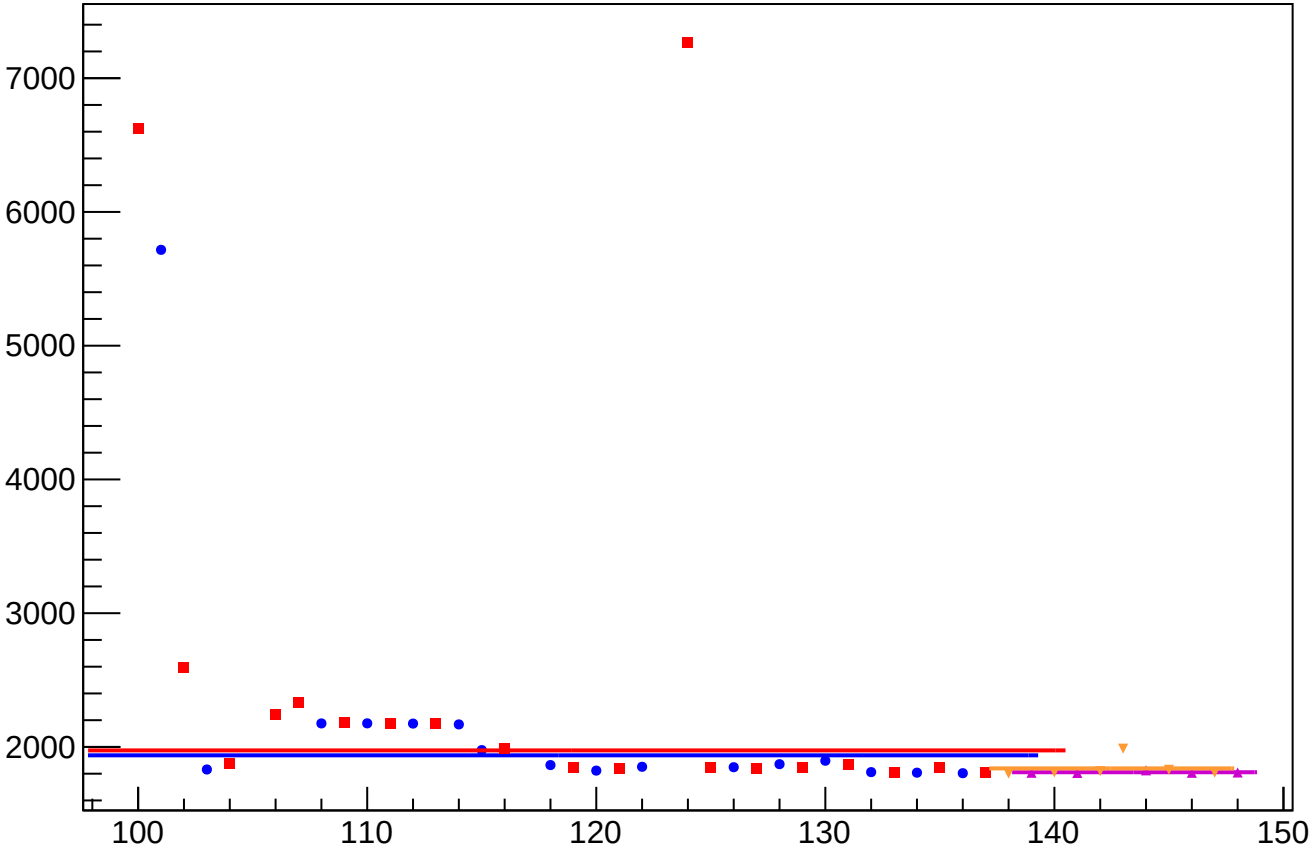
Left In: -2731.249+/-865.749 χ^2/NDF:8.5/4

+ sign 2042.633+/-560.831 χ^2/NDF: 19.6/21

All: -108.962+/-396.759 χ^2/NDF: 76.5/45

- sign -2264.725+/-561.374 χ^2/NDF: 27.4/23

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

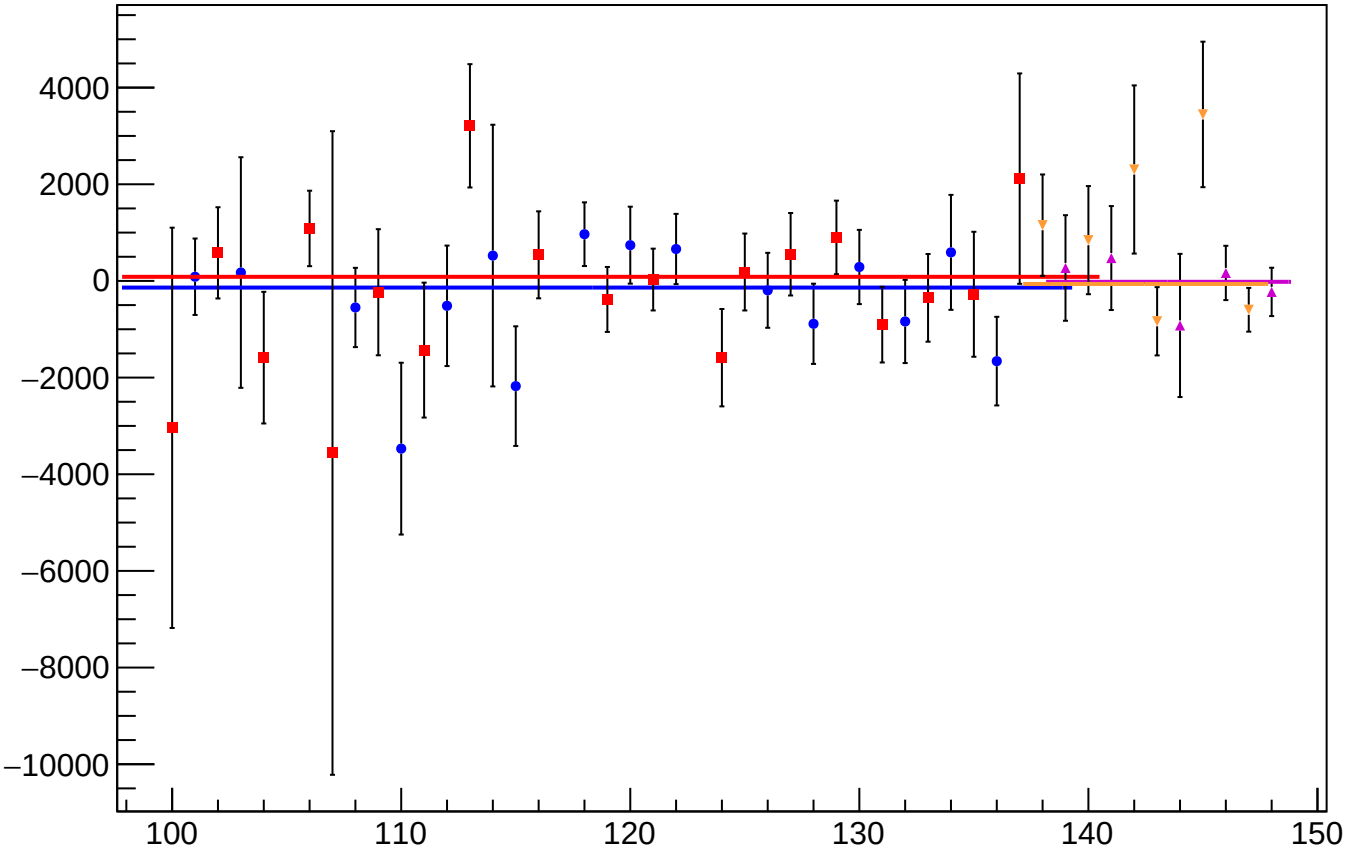
Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1900.886+/-0.281 χ^2/NDF: 1085768.8/45

- sign 1905.502+/-0.397 χ^2/NDF: 421802.2/23

asym_at1_avg_cor_correction_mean vs Slug



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

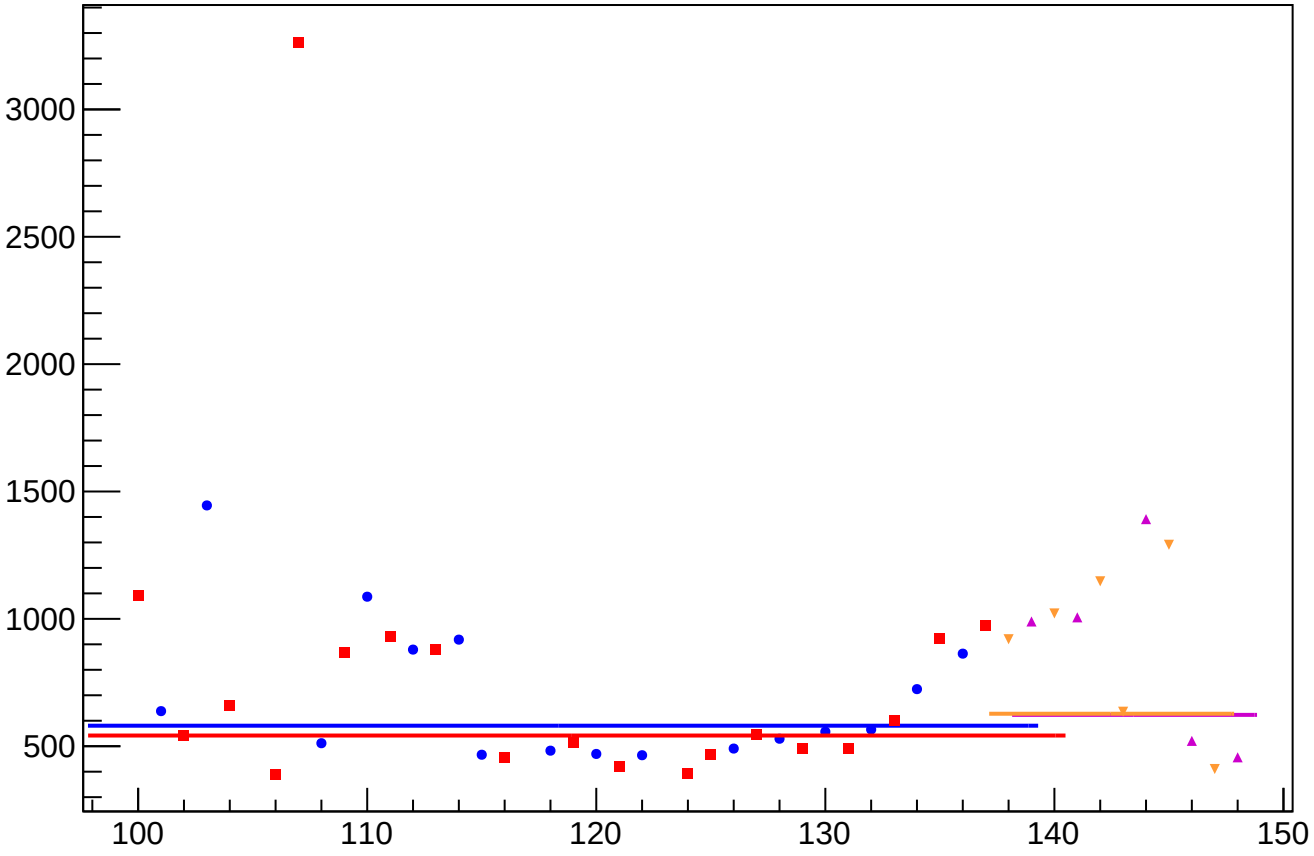
Left In: -18.411+/-327.530 χ^2/NDF:0.9/4

+ sign -112.641+/-188.275 χ^2/NDF: 28.8/21

All: -28.072+/-131.482 χ^2/NDF: 49.5/45

- sign 52.435+/-183.698 χ^2/NDF: 20.3/23

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

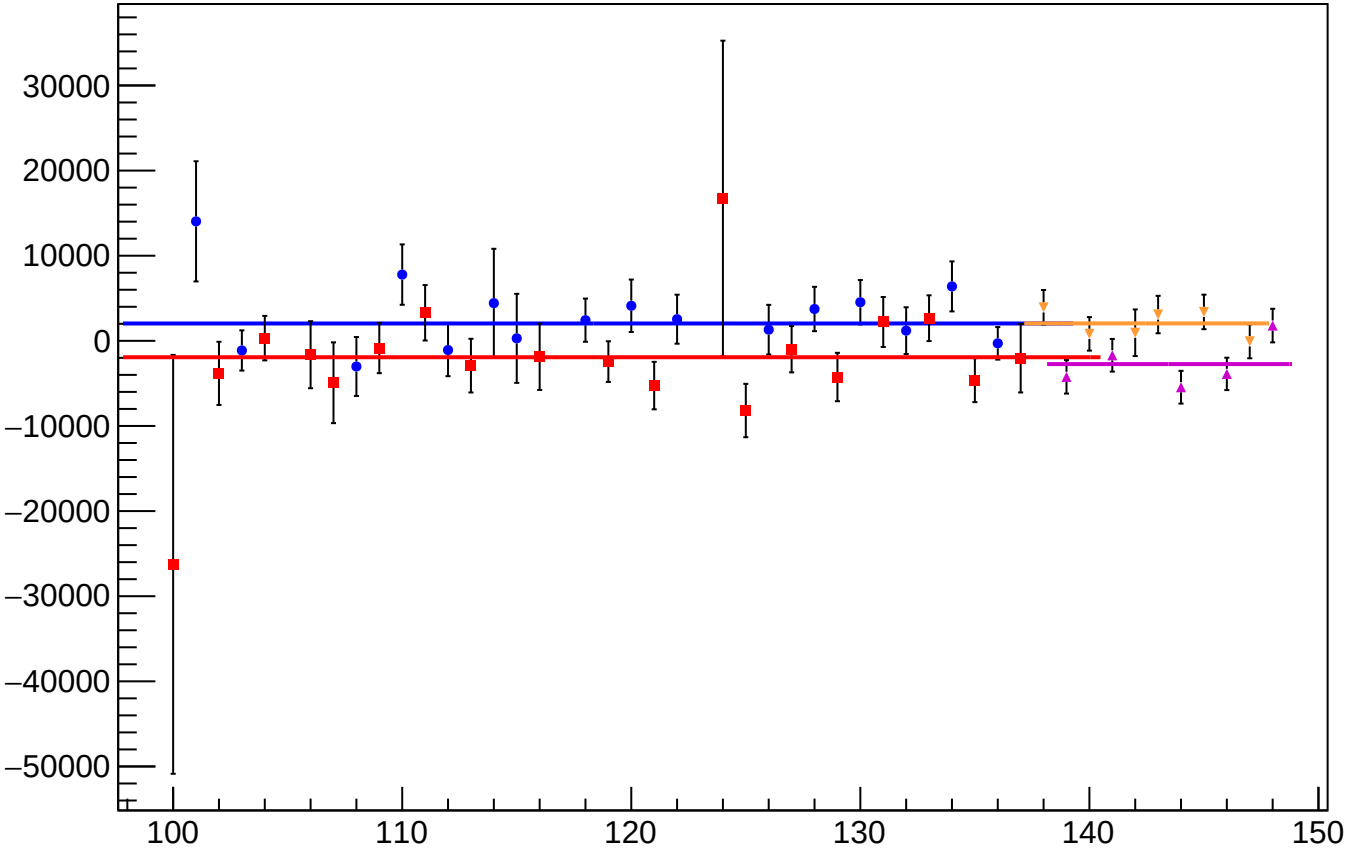
Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

+ sign 596.115+/-0.133 χ^2/NDF: 2461068.4/21

All: 581.428+/-0.093 χ^2/NDF: 5192749.5/45

- sign 567.445+/-0.130 χ^2/NDF: 2707922.1/23

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

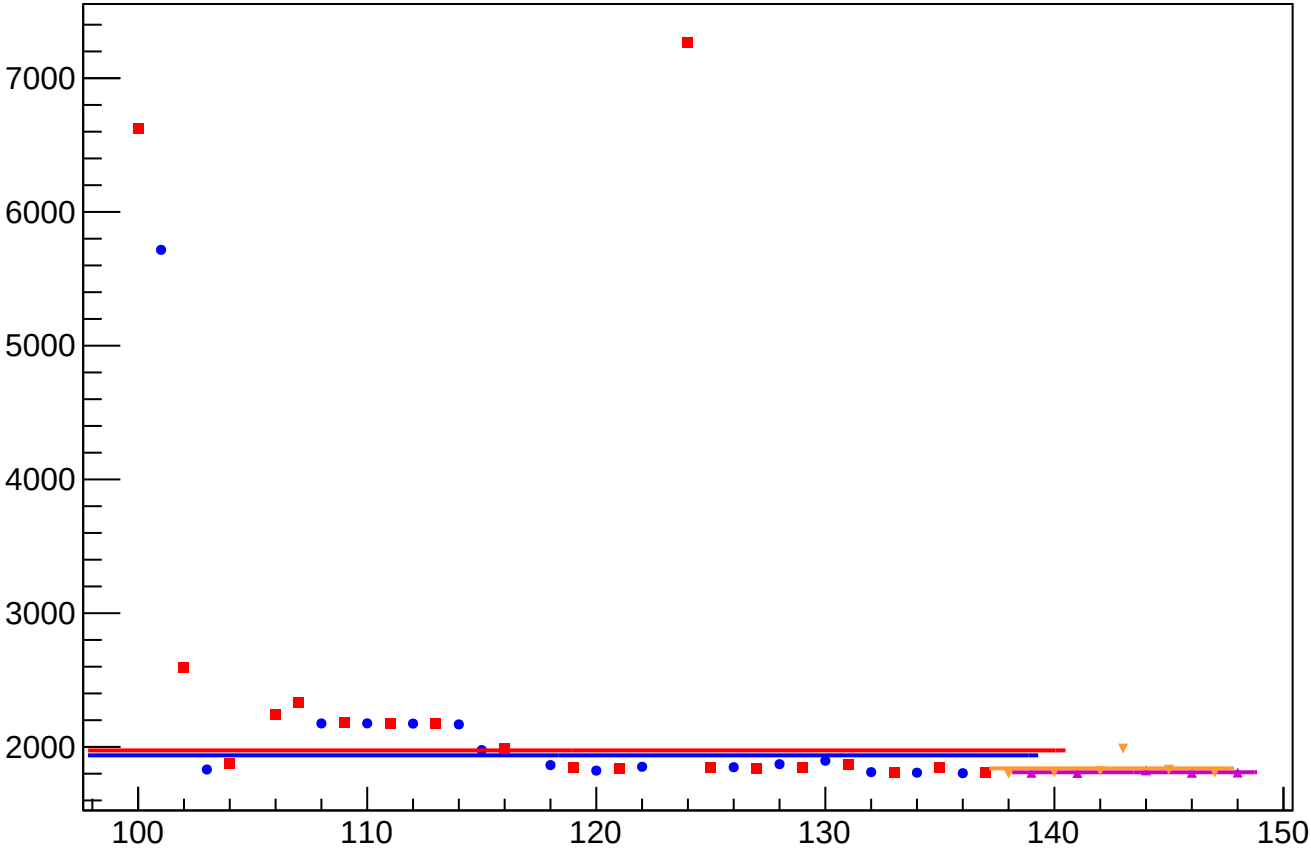
Left In: -2731.249+/-865.749 χ^2/NDF:8.5/4

+ sign 2042.633+/-560.831 χ^2/NDF: 19.6/21

All: -108.962+/-396.759 χ^2/NDF: 76.5/45

- sign -2264.725+/-561.374 χ^2/NDF: 27.4/23

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

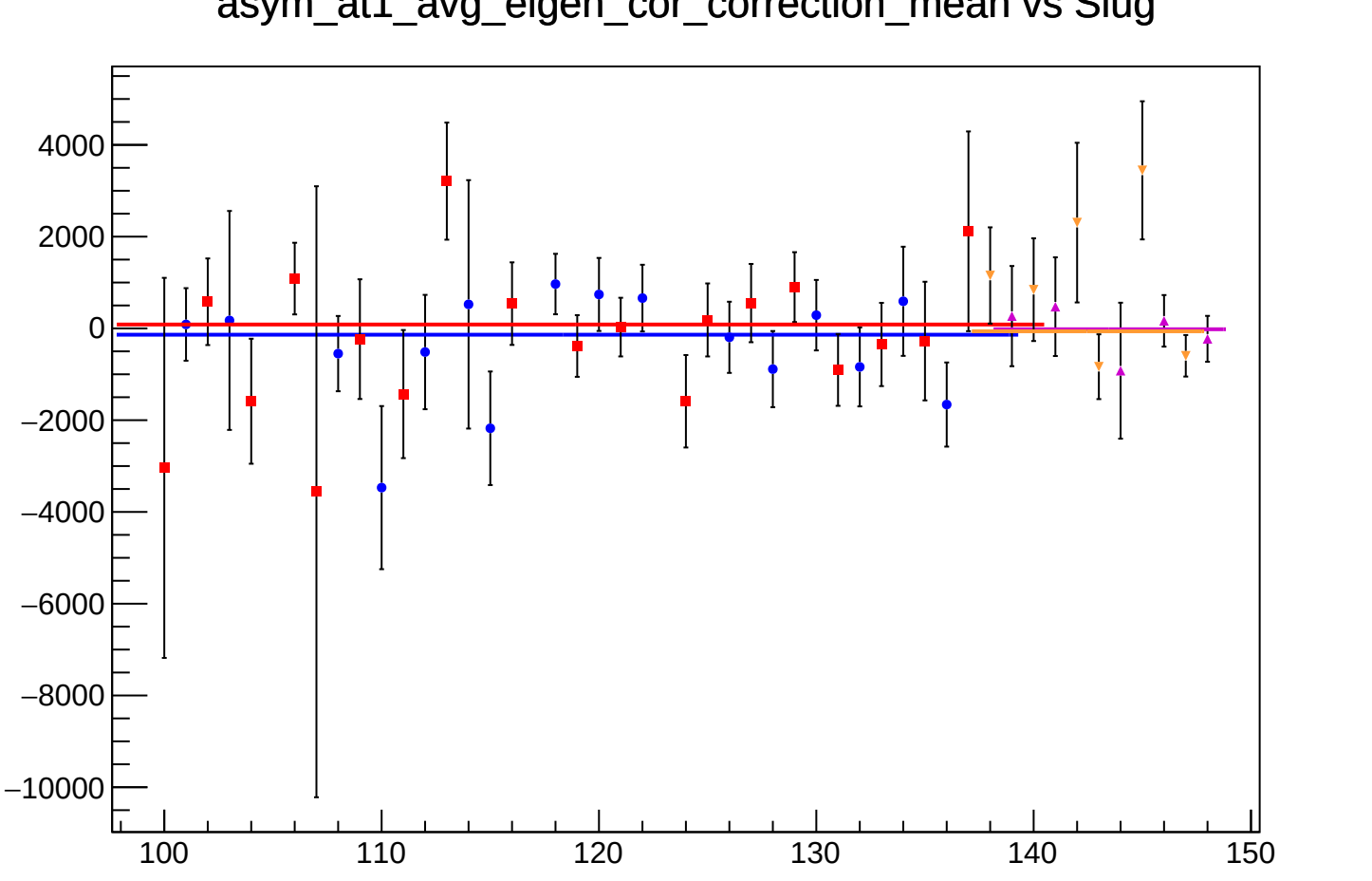
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

+ sign 1896.280+/-0.397 χ^2/NDF: 663696.5/21

All: 1900.886+/-0.281 χ^2/NDF: 1085768.8/45

- sign 1905.502+/-0.397 χ^2/NDF: 421802.2/23



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

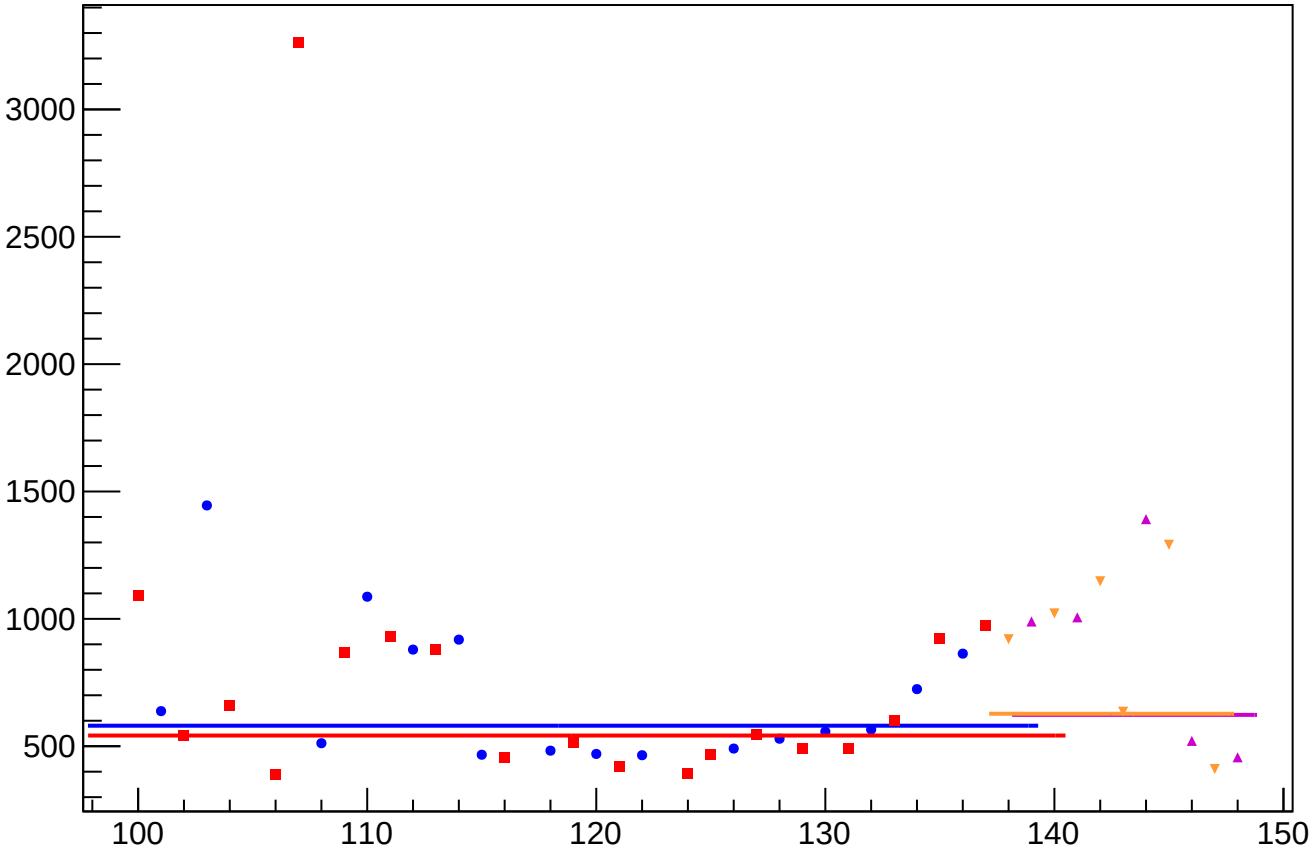
Left In: -18.411+/-327.530 χ^2/NDF:0.9/4

+ sign -112.641+/-188.275 χ^2/NDF: 28.8/21

All: -28.072+/-131.482 χ^2/NDF: 49.5/45

- sign 52.435+/-183.698 χ^2/NDF: 20.3/23

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

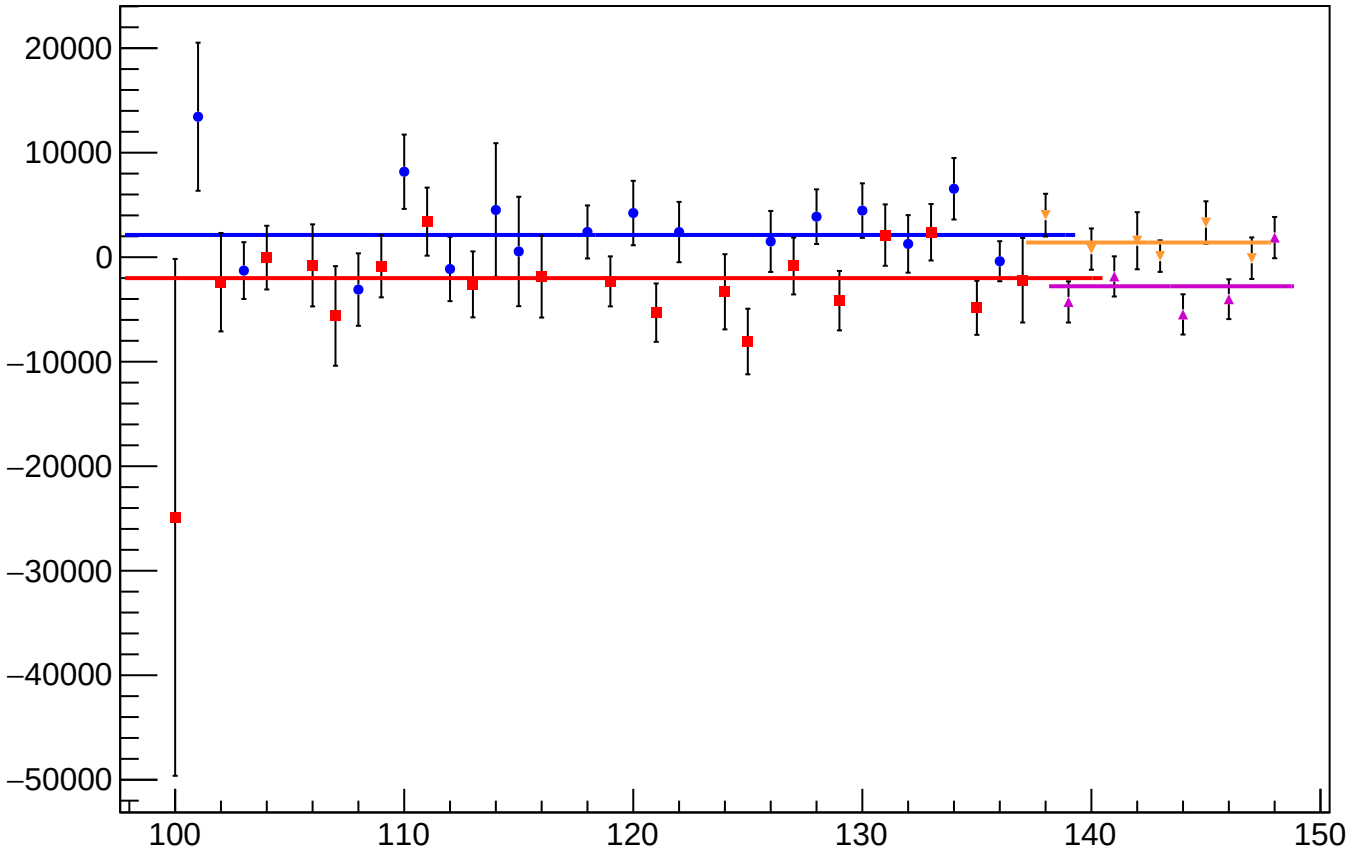
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

+ sign 596.115+/-0.133 χ^2/NDF: 2461068.4/21

All: 581.428+/-0.093 χ^2/NDF: 5192749.5/45

- sign 567.445+/-0.130 χ^2/NDF: 2707922.1/23



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

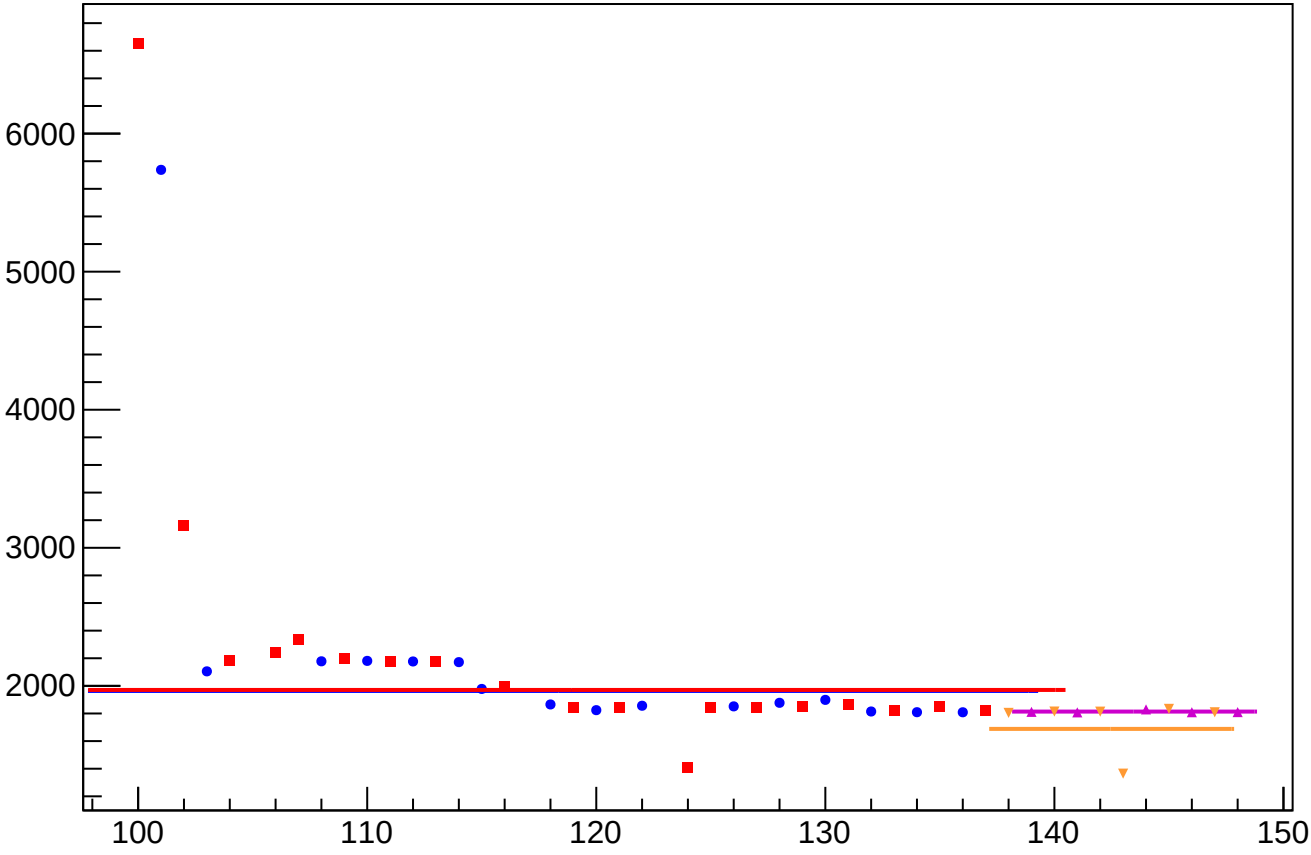
Left In: -2781.953+/-867.180 χ^2/NDF:8.8/4

+ sign 1791.841+/-545.628 χ^2/NDF: 20.9/21

All: -209.055+/-391.365 χ^2/NDF: 74.6/45

- sign -2329.325+/-561.668 χ^2/NDF: 26.0/23

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

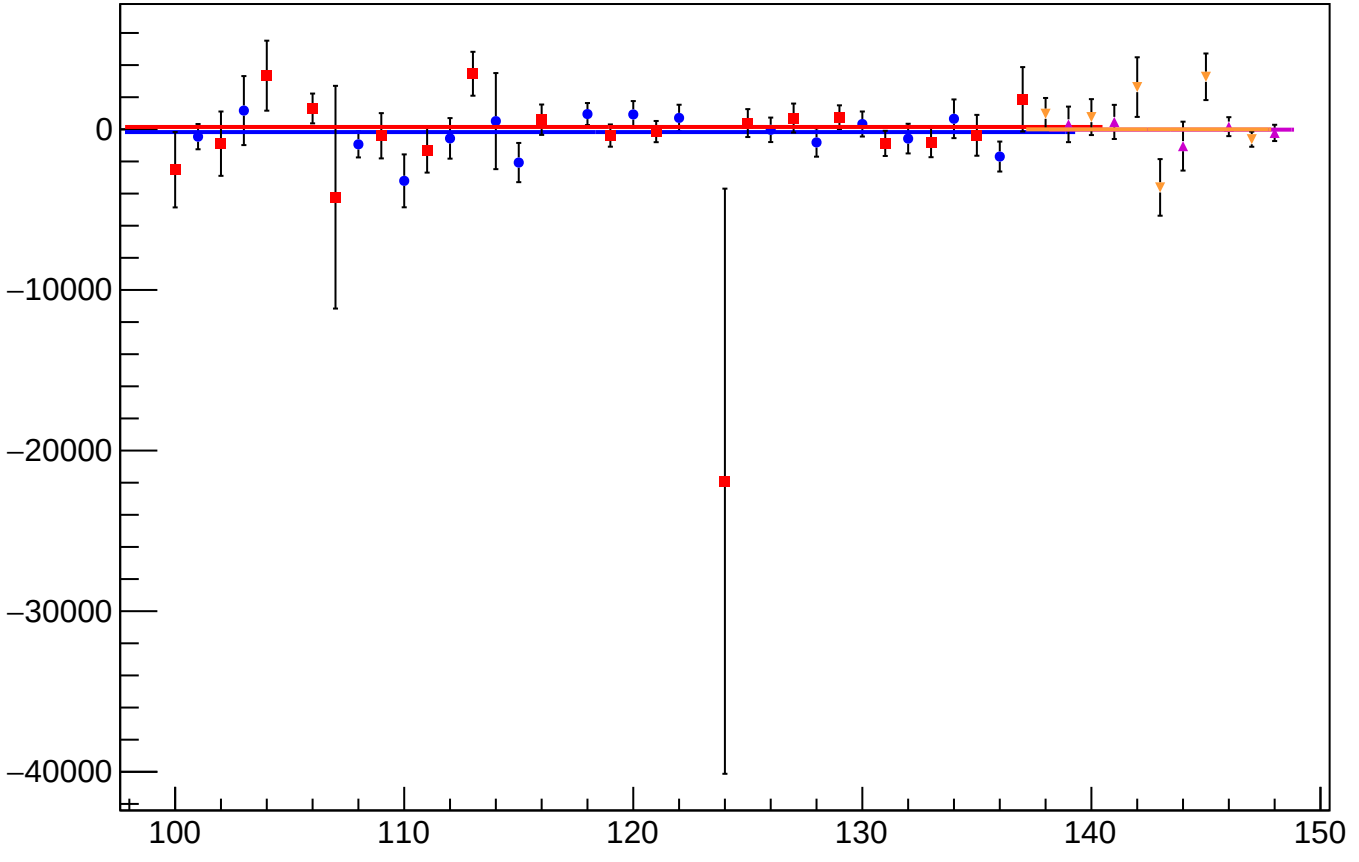
Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

+ sign 1835.420+/-0.386 χ^2/NDF: 895045.9/21

All: 1869.077+/-0.277 χ^2/NDF: 1293912.6/45

- sign 1904.742+/-0.397 χ^2/NDF: 383192.6/23

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

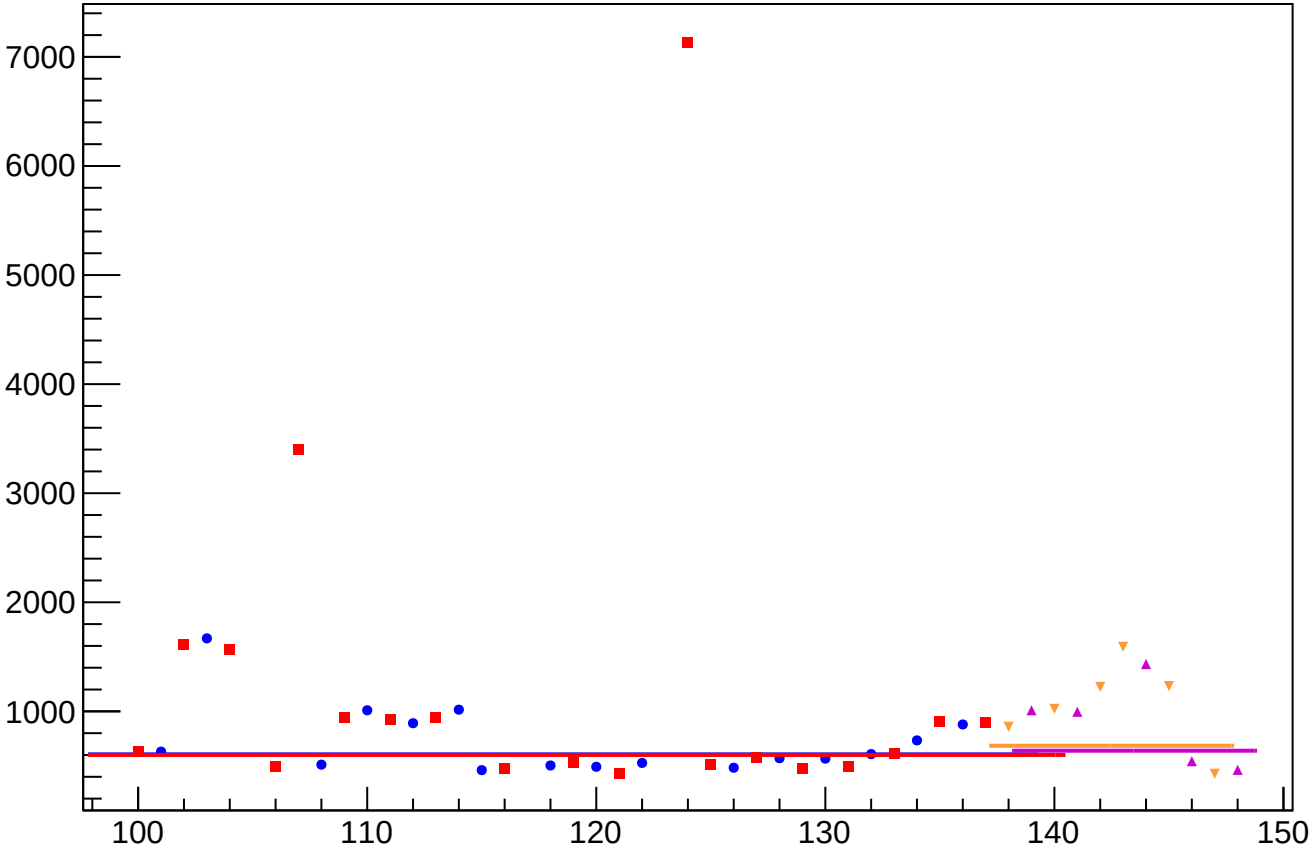
Left In: -20.181+/-335.091 χ^2/NDF:1.0/4

\+ sign -120.814+/-198.997 χ^2/NDF: 31.8/21

All: -14.276+/-139.870 χ^2/NDF: 53.7/45

\- sign 89.751+/-196.638 χ^2/NDF: 21.3/23

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

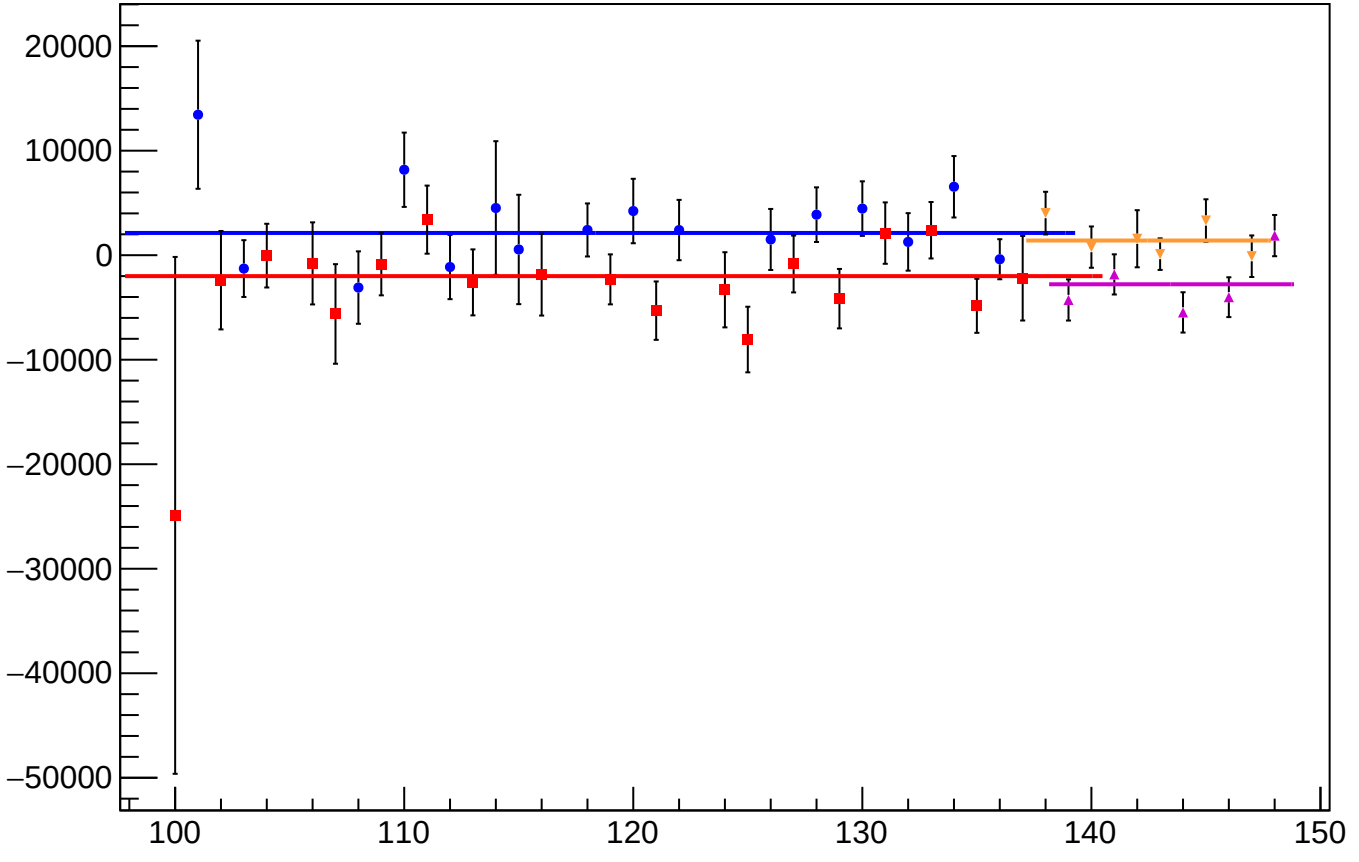
Left In: 639.137+/-0.237 χ^2/NDF:1288124.0/4

+ sign 628.742+/-0.141 χ^2/NDF: 3053198.1/21

All: 621.167+/-0.099 χ^2/NDF: 6693055.6/45

- sign 613.770+/-0.139 χ^2/NDF: 3634129.3/23

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

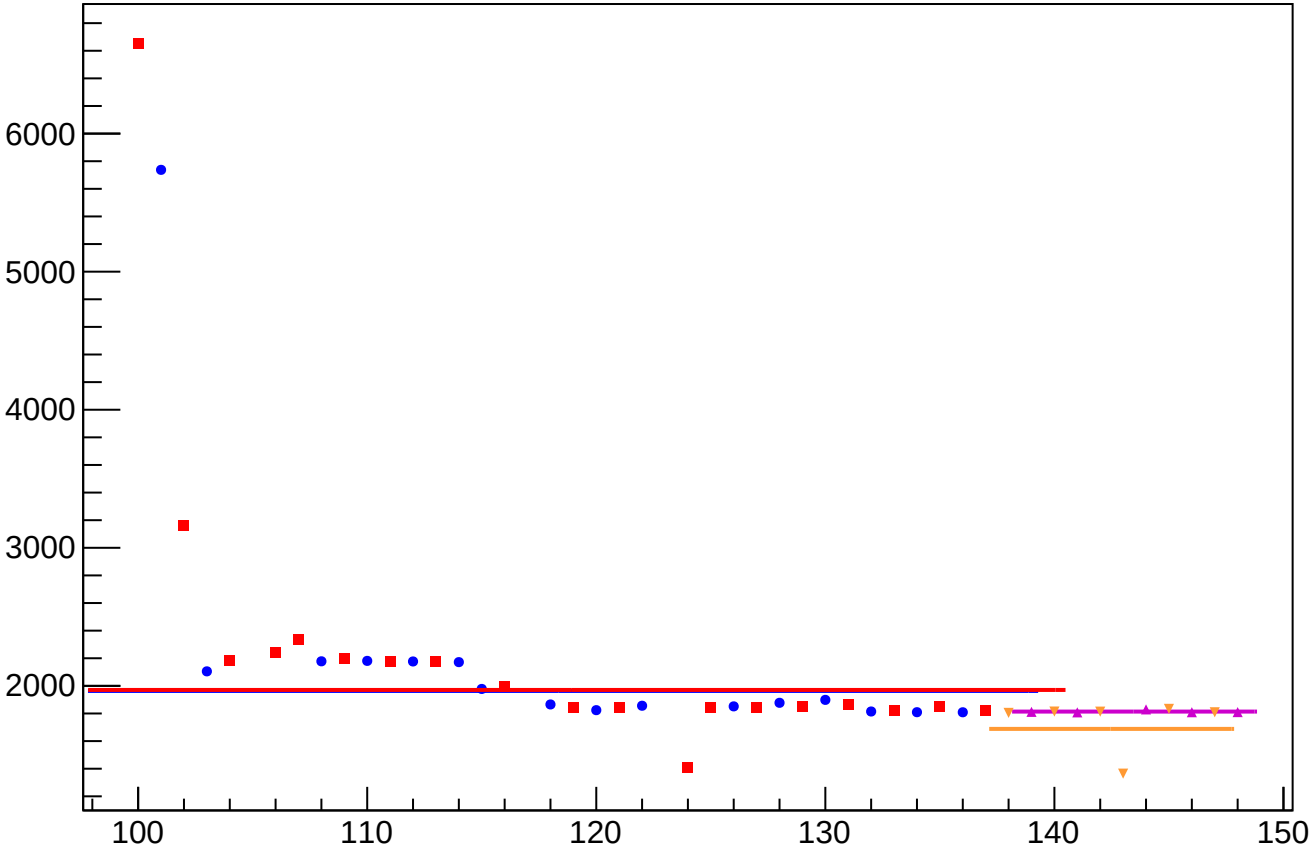
Left In: -2781.953+/-867.180 χ^2/NDF:8.8/4

+ sign 1791.840+/-545.628 χ^2/NDF: 20.9/21

All: -209.054+/-391.365 χ^2/NDF: 74.6/45

- sign -2329.324+/-561.668 χ^2/NDF: 26.0/23

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

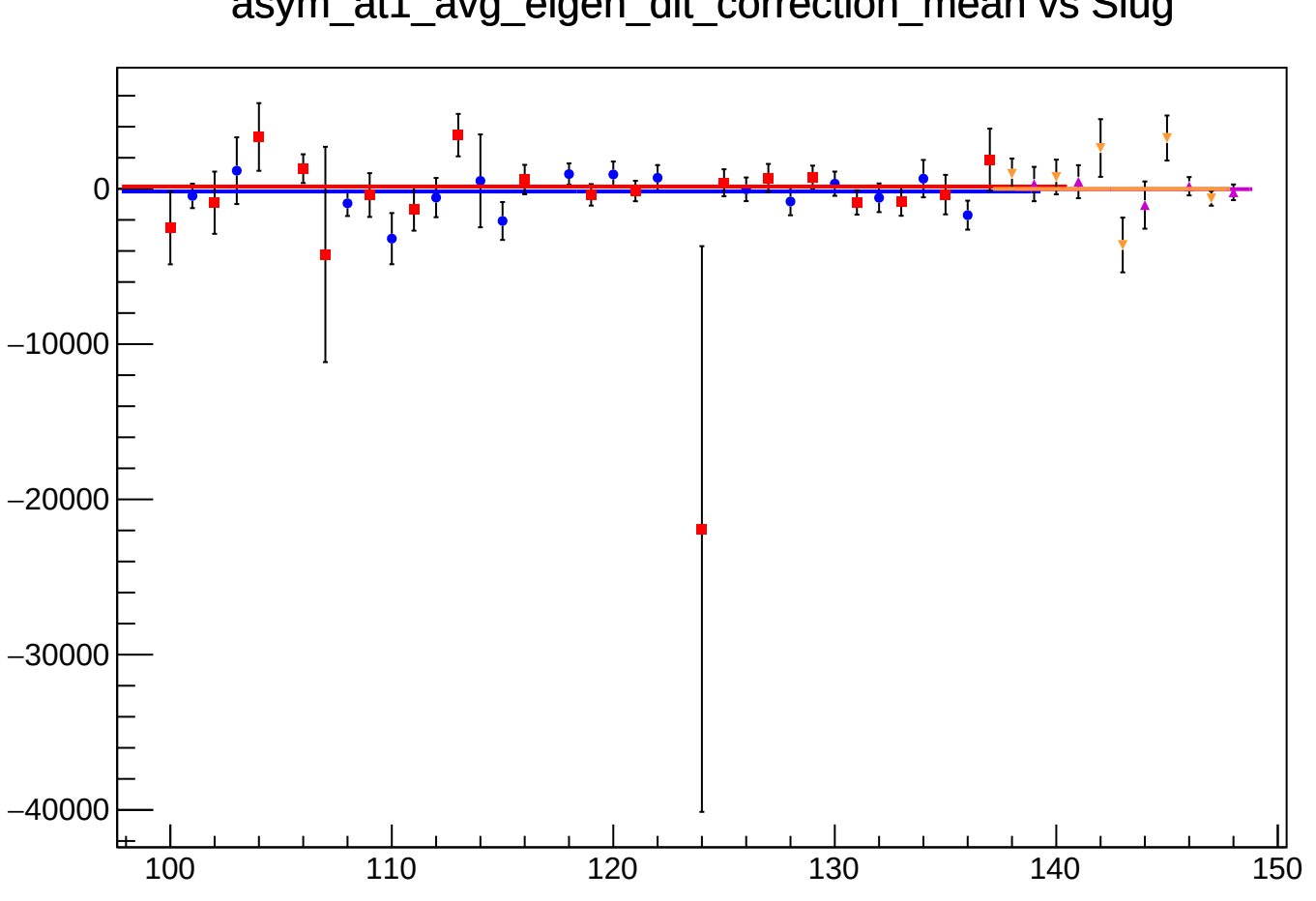
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

+ sign 1835.420+/-0.386 χ^2/NDF: 895045.4/21

All: 1869.077+/-0.277 χ^2/NDF: 1293910.7/45

- sign 1904.742+/-0.397 χ^2/NDF: 383191.2/23



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

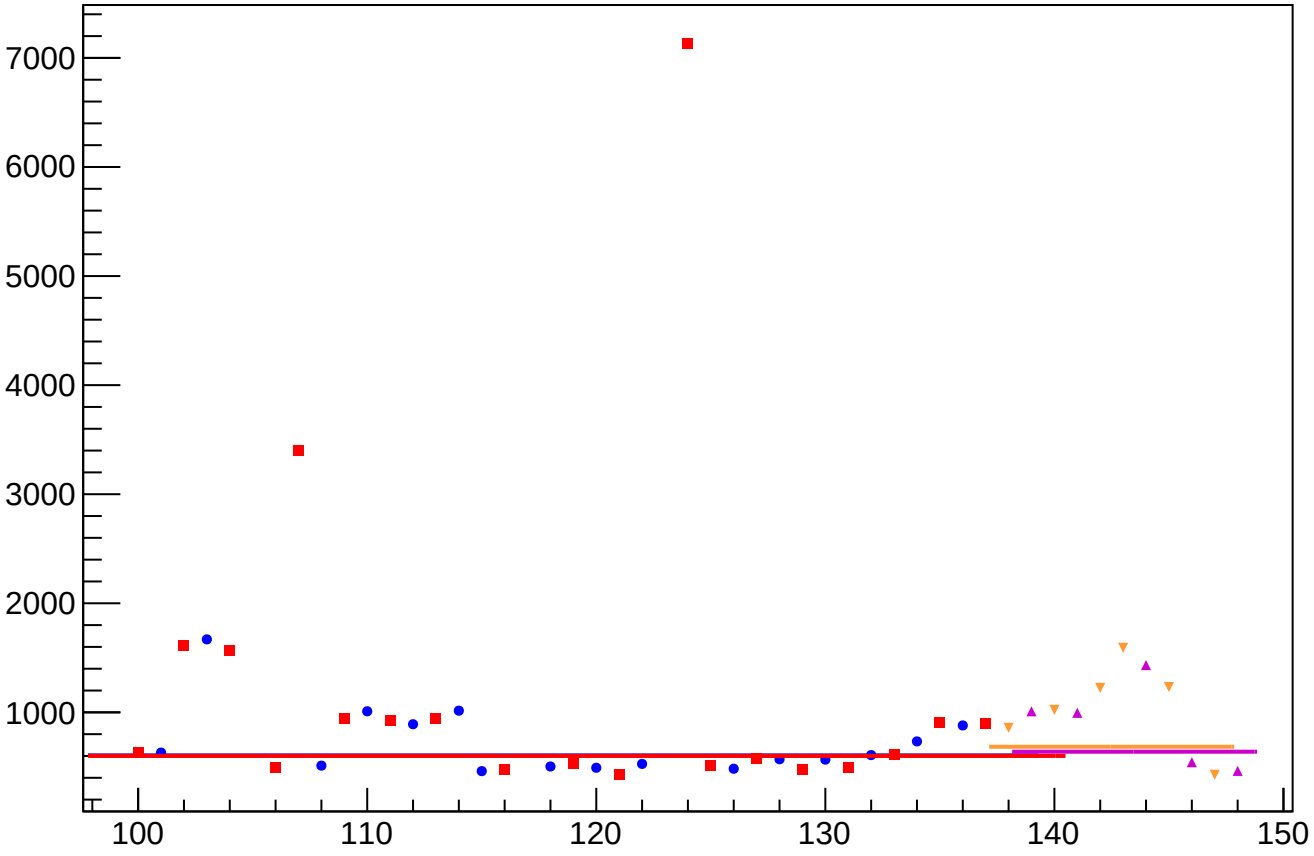
Left In: -20.180+/-335.092 χ^2/NDF:1.0/4

+ sign -120.814+/-198.996 χ^2/NDF: 31.8/21

All: -14.276+/-139.870 χ^2/NDF: 53.7/45

- sign 89.751+/-196.638 χ^2/NDF: 21.3/23

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

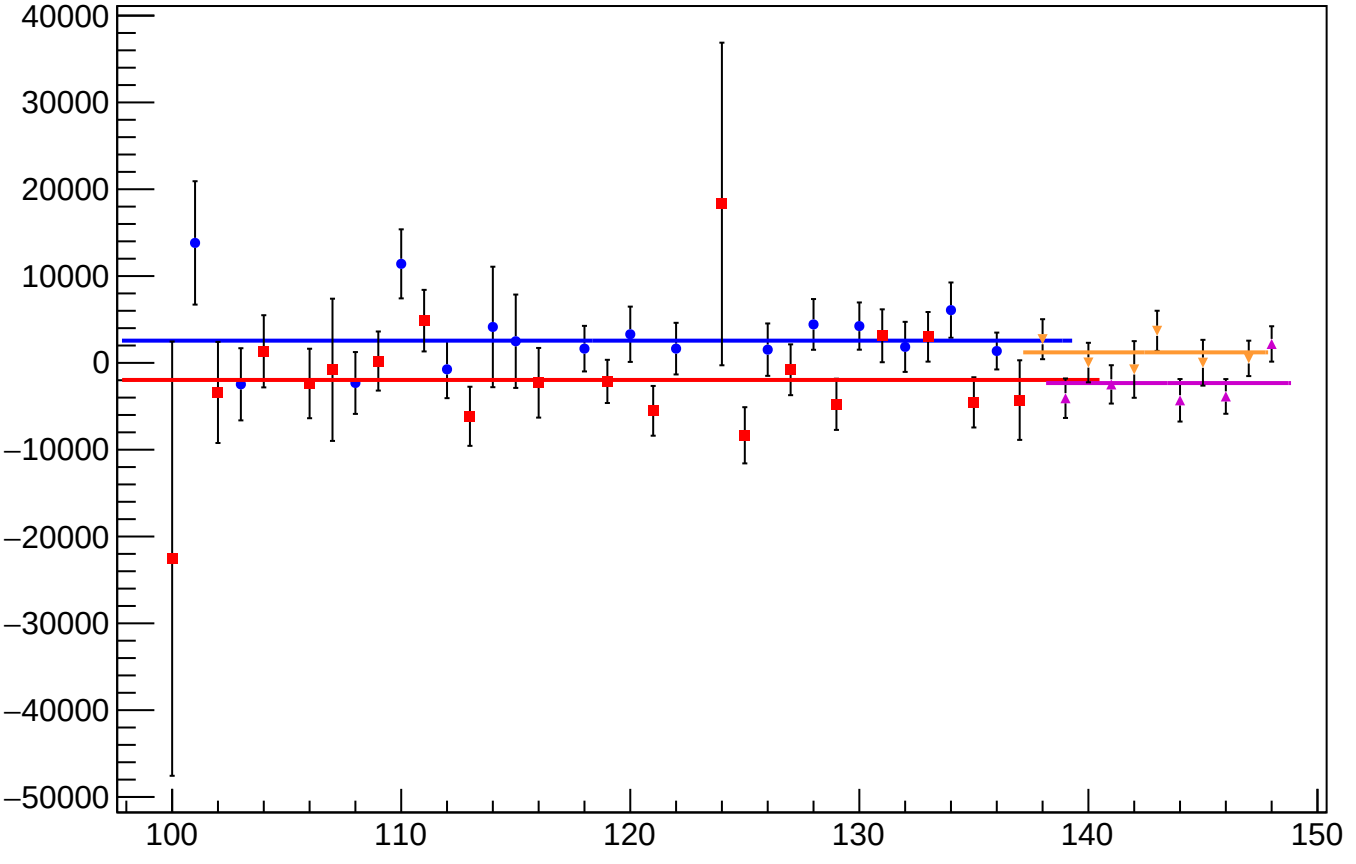
Left In: 639.139+/-0.237 χ^2/NDF:1288121.3/4

+ sign 628.742+/-0.141 χ^2/NDF: 3053205.3/21

All: 621.167+/-0.099 χ^2/NDF: 6693069.8/45

- sign 613.770+/-0.139 χ^2/NDF: 3634136.5/23

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

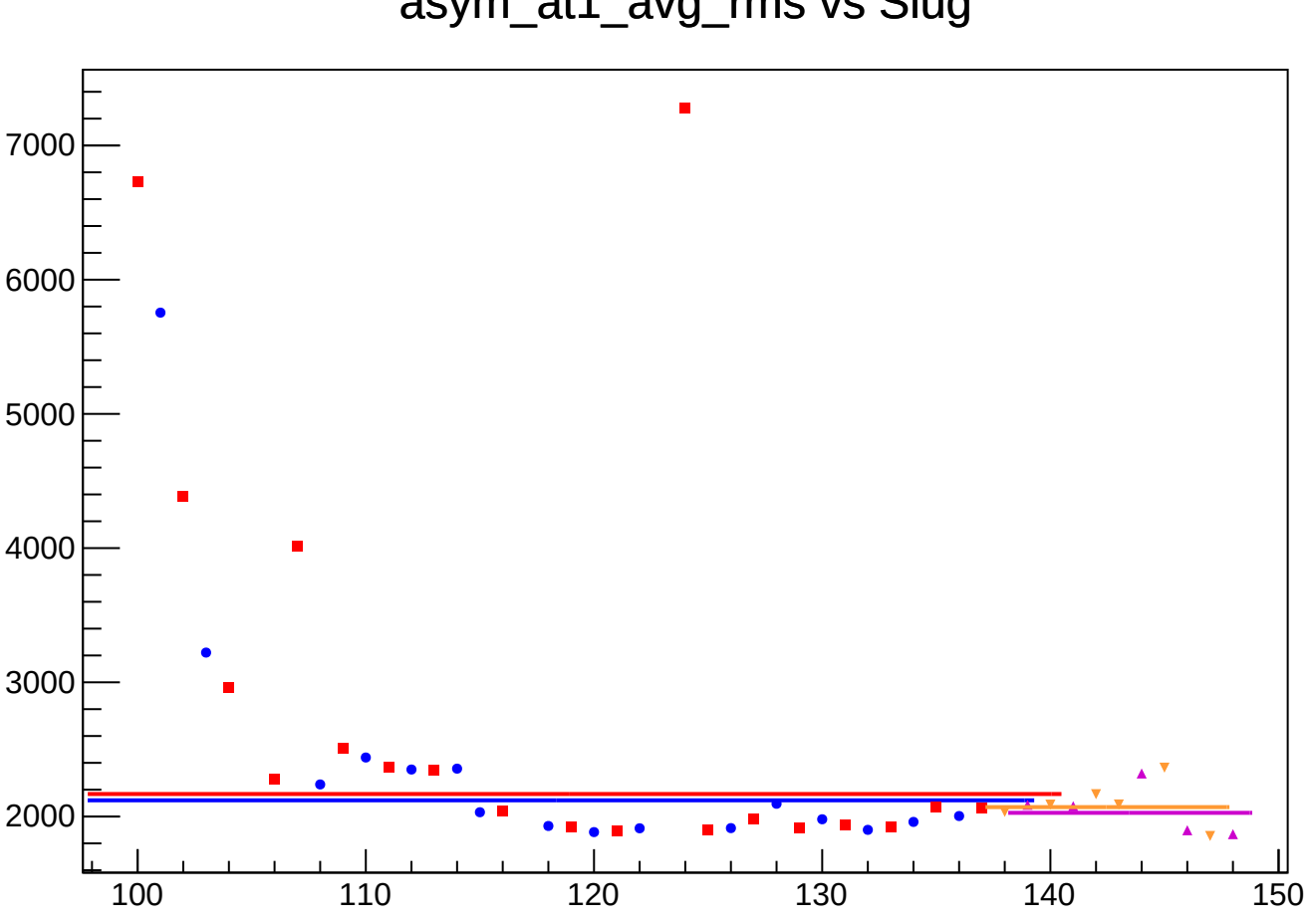
Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: -2324.454+/-973.009 χ^2/NDF:6.7/4

+ sign 2011.604+/-623.560 χ^2/NDF: 18.3/21

All: -41.983+/-441.963 χ^2/NDF: 68.5/45

- sign -2115.040+/-626.509 χ^2/NDF: 28.4/23



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2070.221+/-0.691 χ^2/NDF:49571.6/5

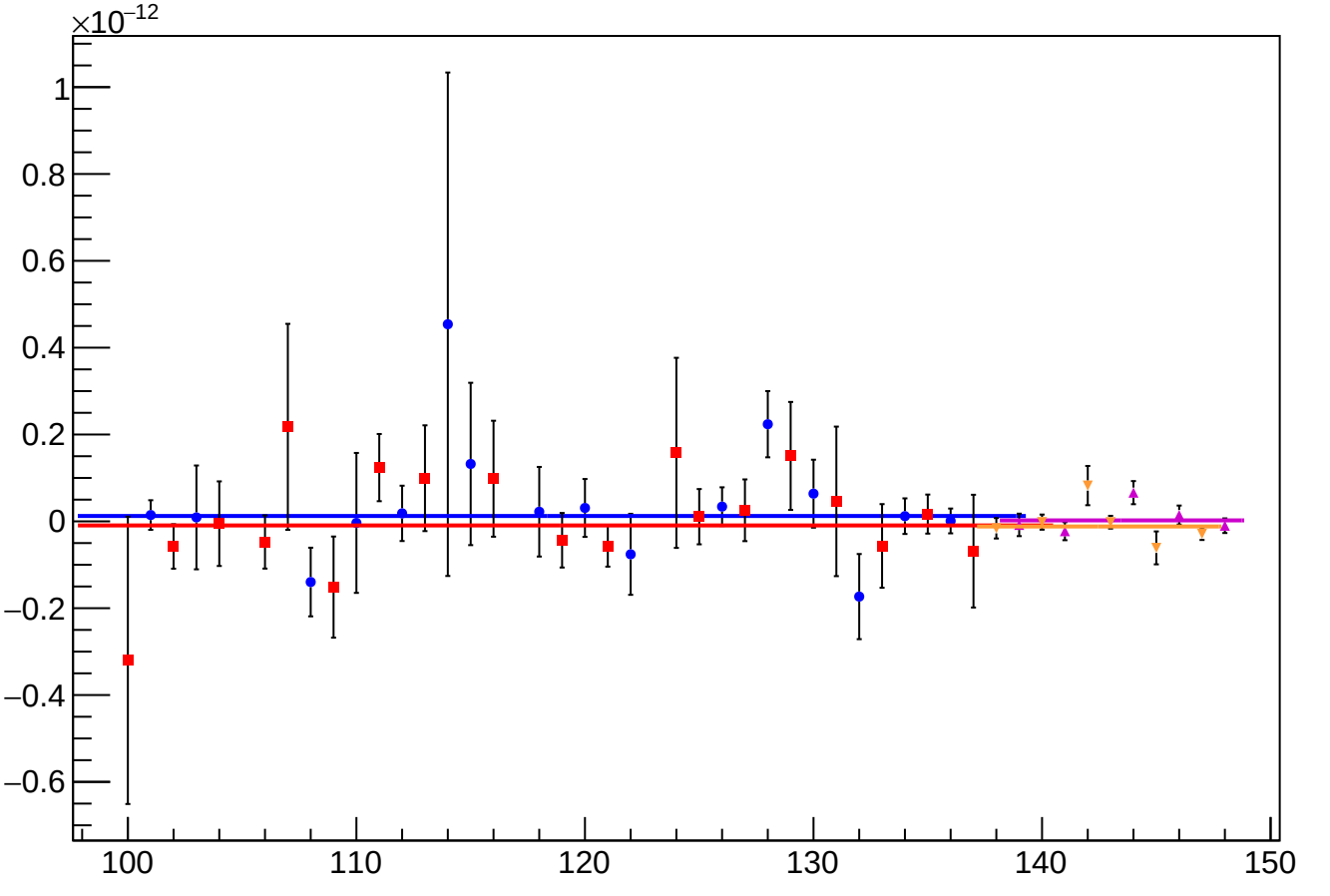
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2027.540+/-0.688 χ^2/NDF:51654.2/4

+ sign 2100.208+/-0.441 χ^2/NDF: 812713.5/21

All: 2104.918+/-0.313 χ^2/NDF: 1712865.2/45

- sign 2109.673+/-0.443 χ^2/NDF: 899922.4/23



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

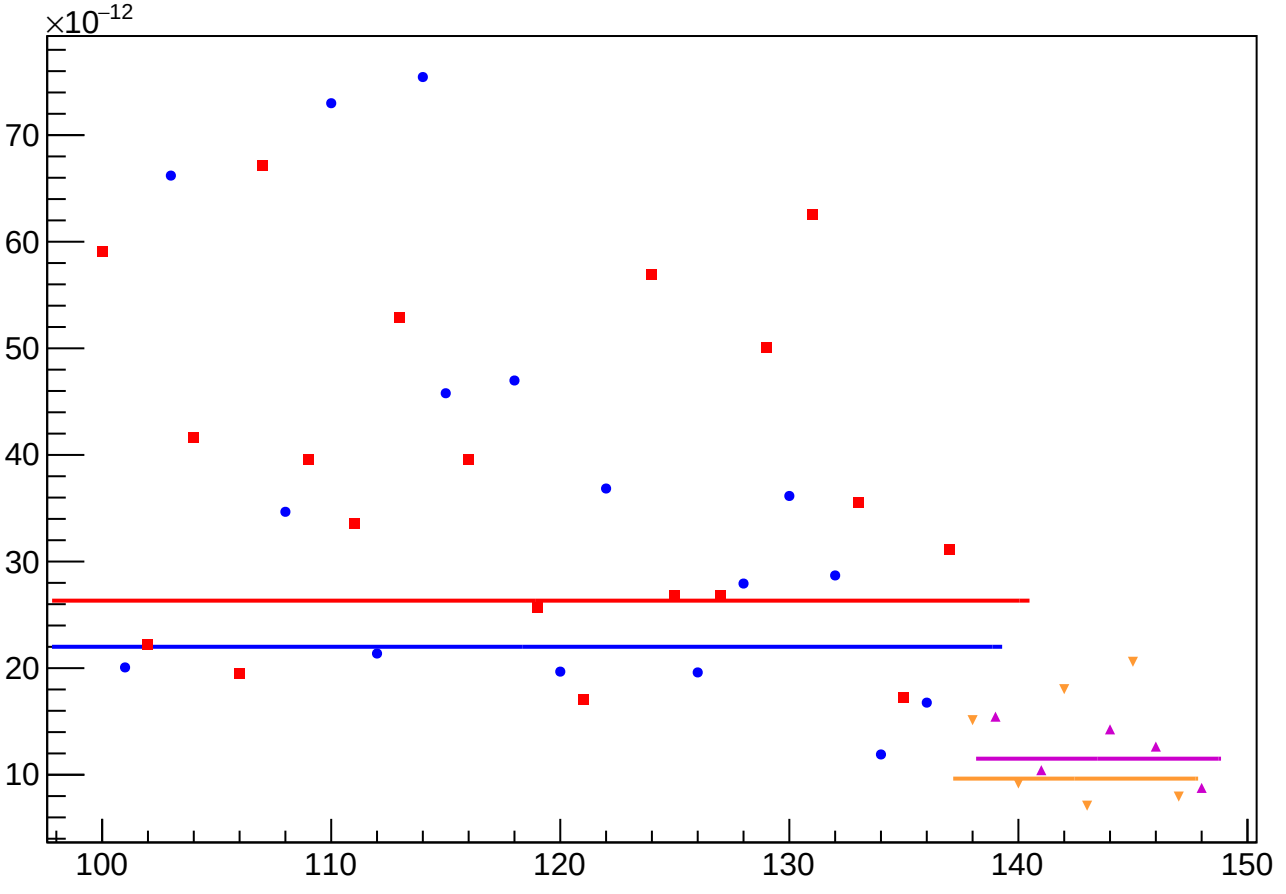
Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/21

All: -0.000+/-0.000 χ^2/NDF: 50.7/45

- sign -0.000+/-0.000 χ^2/NDF: 22.3/23

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:433588.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

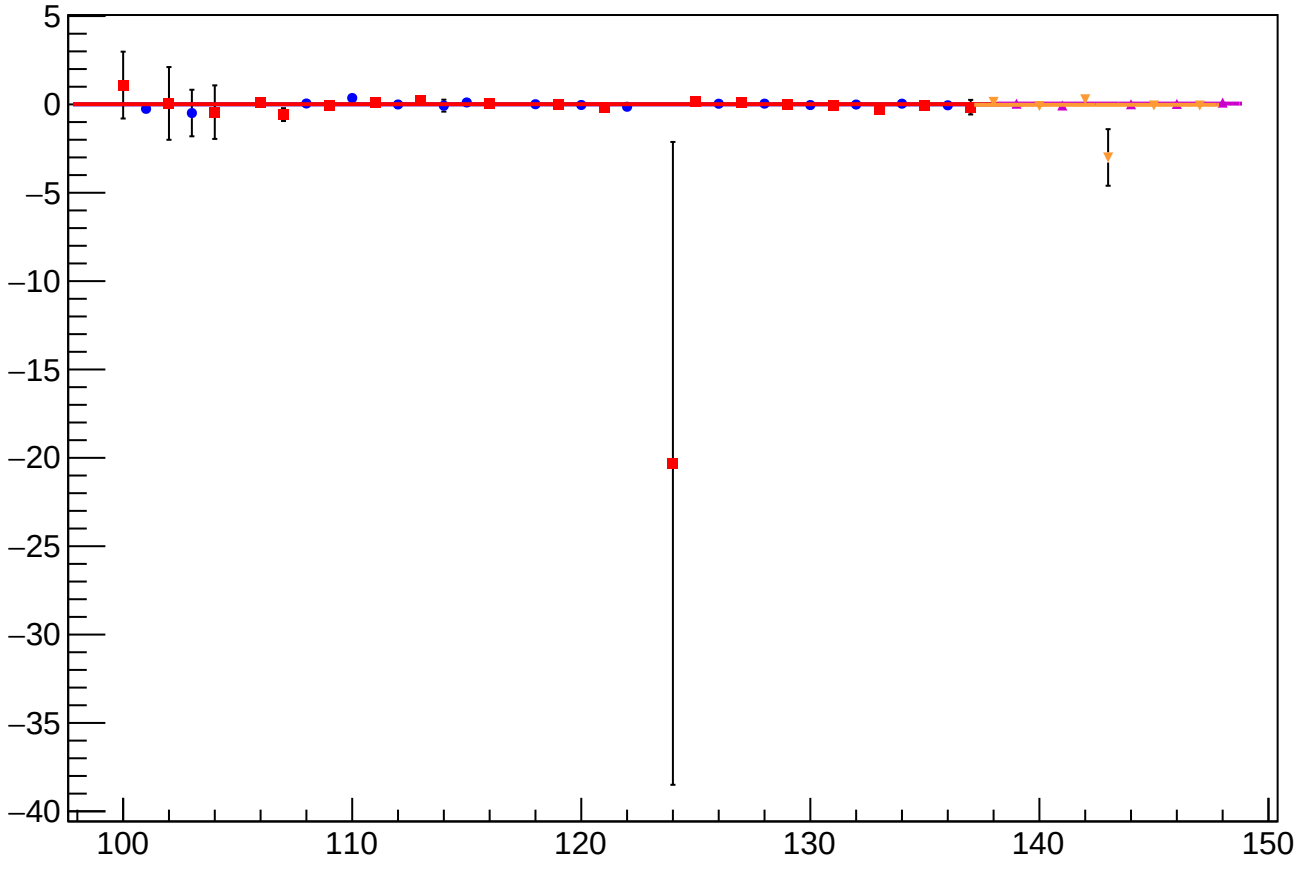
Left In: 0.000+/-0.000 χ^2/NDF:131607.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2558244.7/21

All: 0.000+/-0.000 χ^2/NDF: 4540126.3/45

- sign 0.000+/-0.000 χ^2/NDF: 1889614.0/23

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

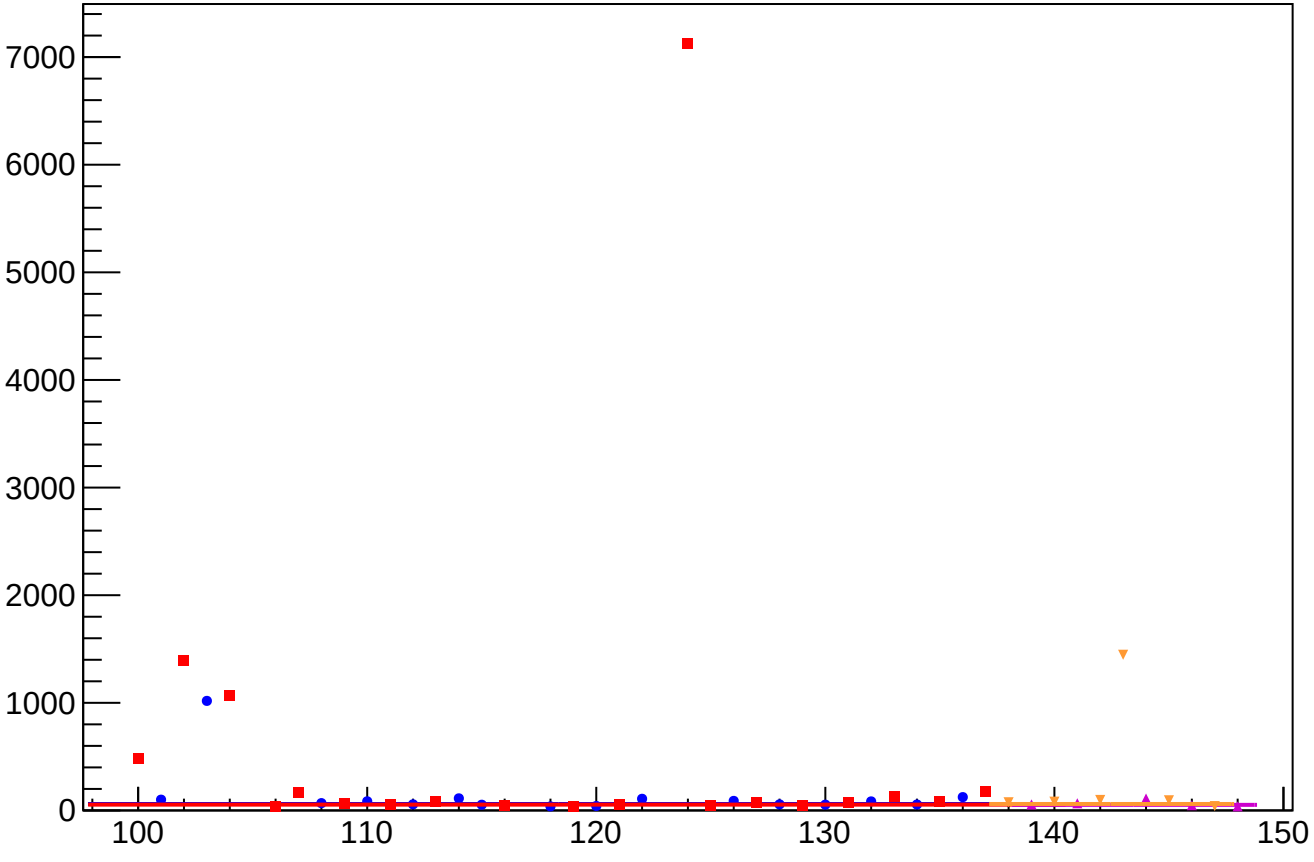
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.013+/-0.014 χ^2/NDF: 47.3/45

- sign 0.028+/-0.019 χ^2/NDF: 22.0/23

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

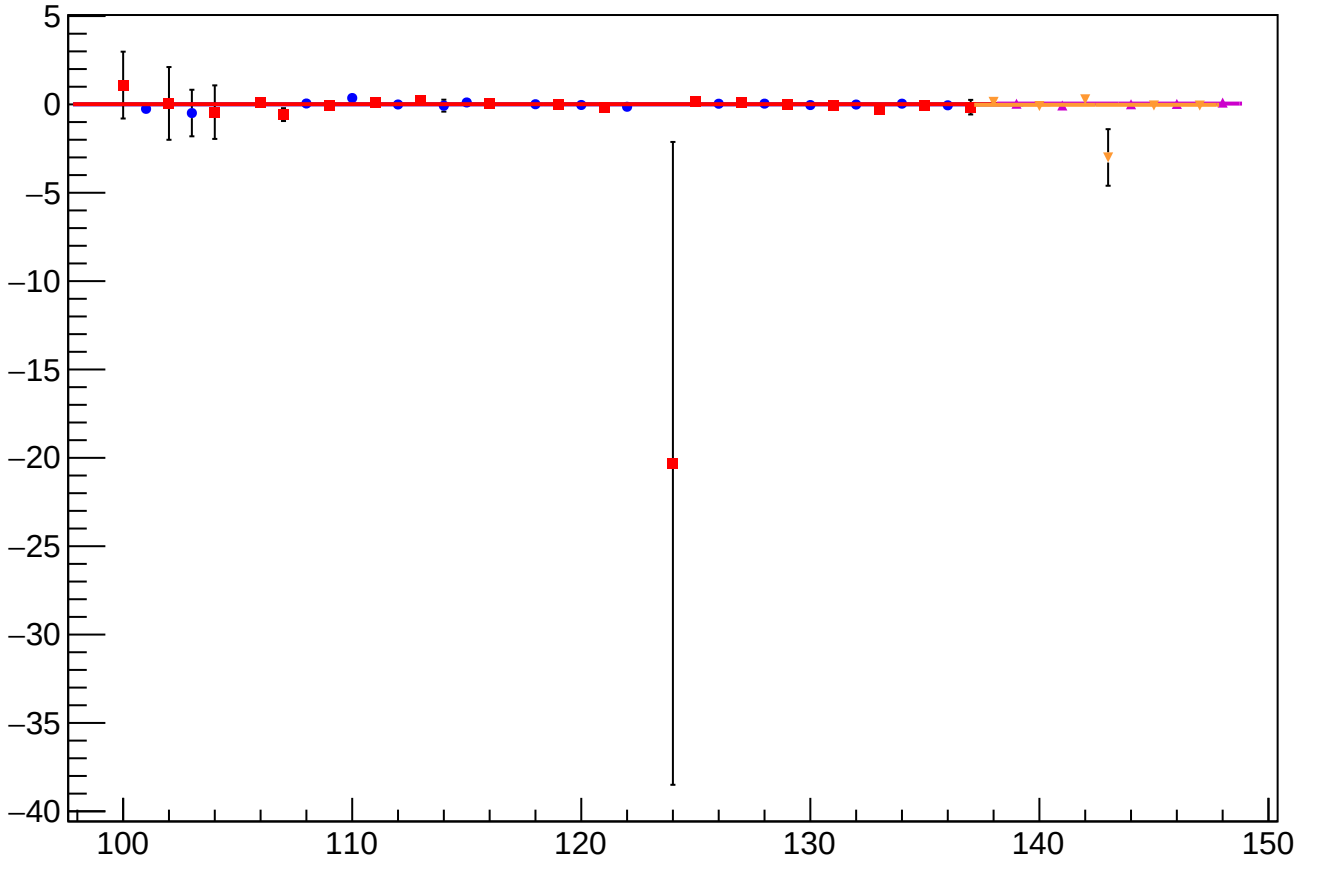
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

+ sign 59.943+/-0.015 χ^2/NDF: 4848766.3/21

All: 56.205+/-0.010 χ^2/NDF: 9242248.0/45

- sign 53.222+/-0.013 χ^2/NDF: 4283311.4/23



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

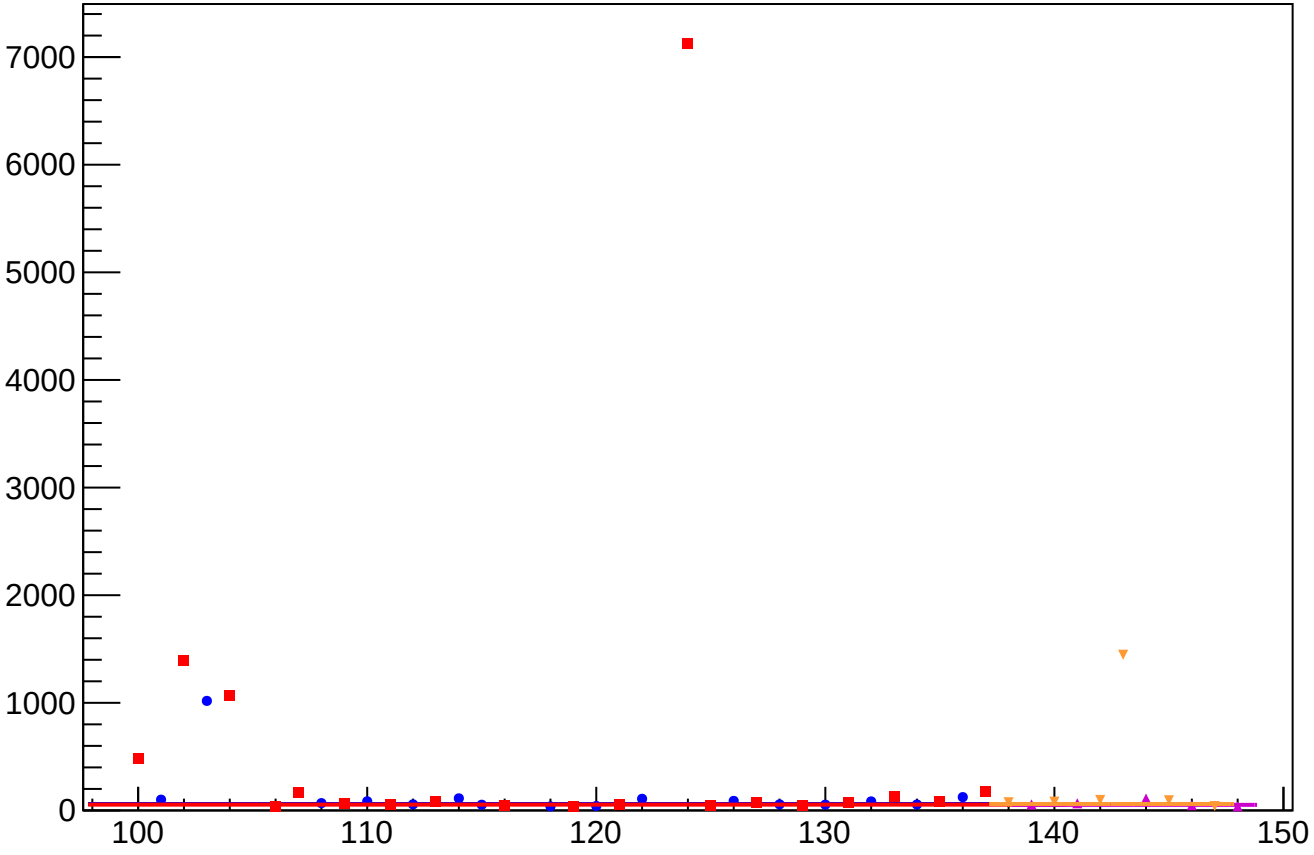
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.013+/-0.014 χ^2/NDF: 47.3/45

- sign 0.028+/-0.019 χ^2/NDF: 22.0/23

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

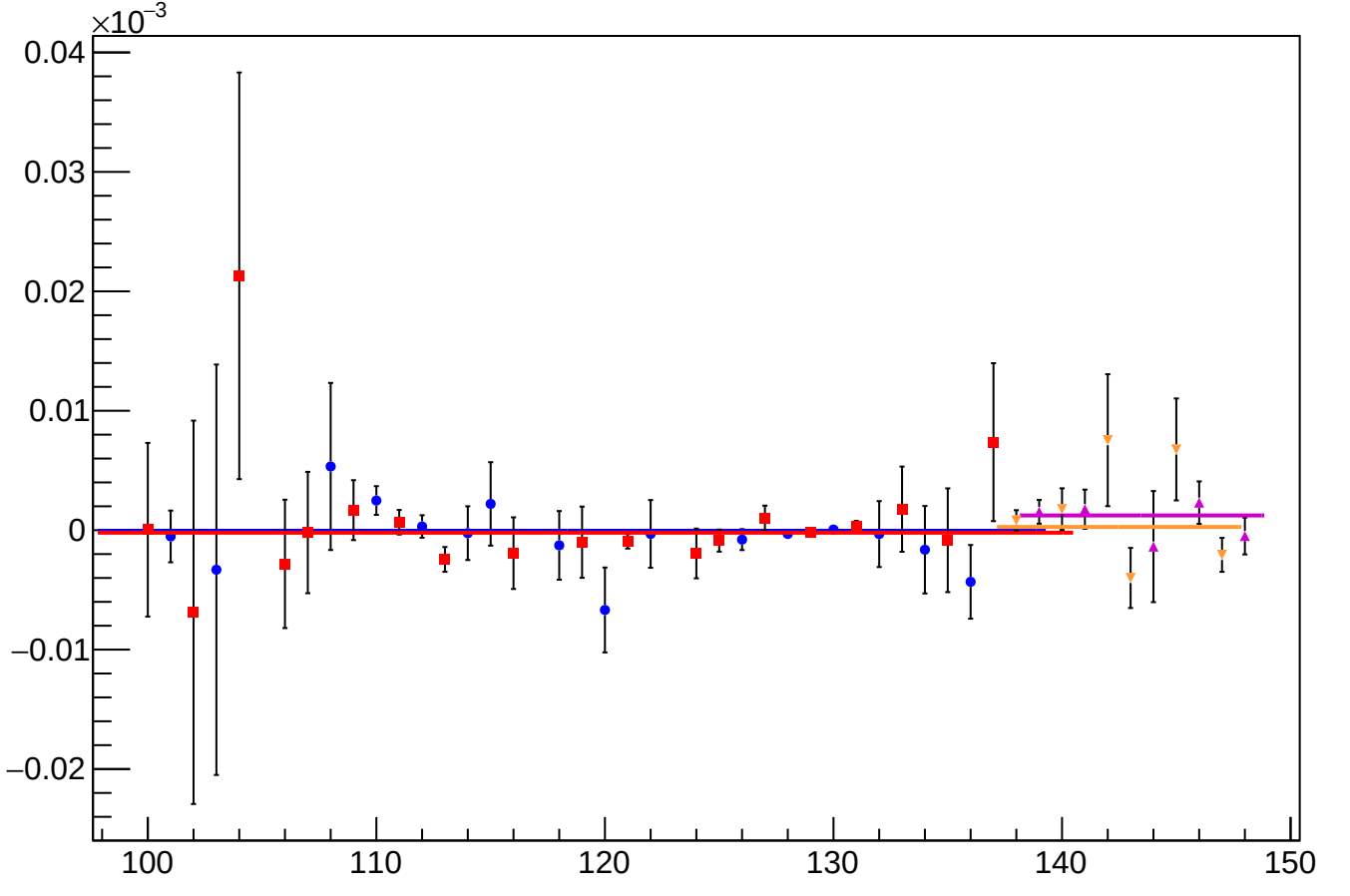
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

+ sign 59.943+/-0.015 χ^2/NDF: 4848766.3/21

All: 56.205+/-0.010 χ^2/NDF: 9242248.0/45

- sign 53.222+/-0.013 χ^2/NDF: 4283311.4/23



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

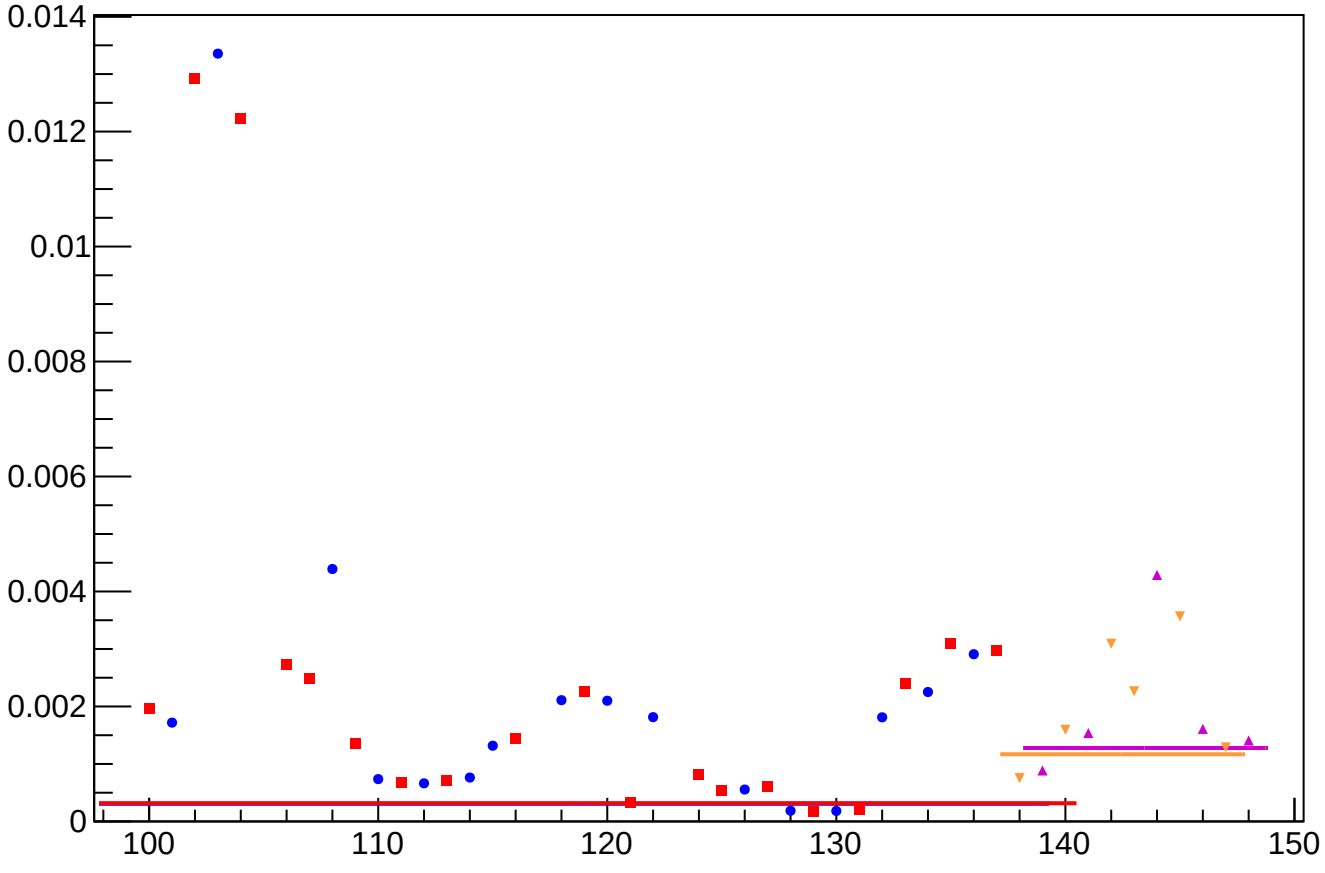
Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/21

All: -0.000+/-0.000 χ^2/NDF: 45.8/45

- sign -0.000+/-0.000 χ^2/NDF: 21.9/23

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

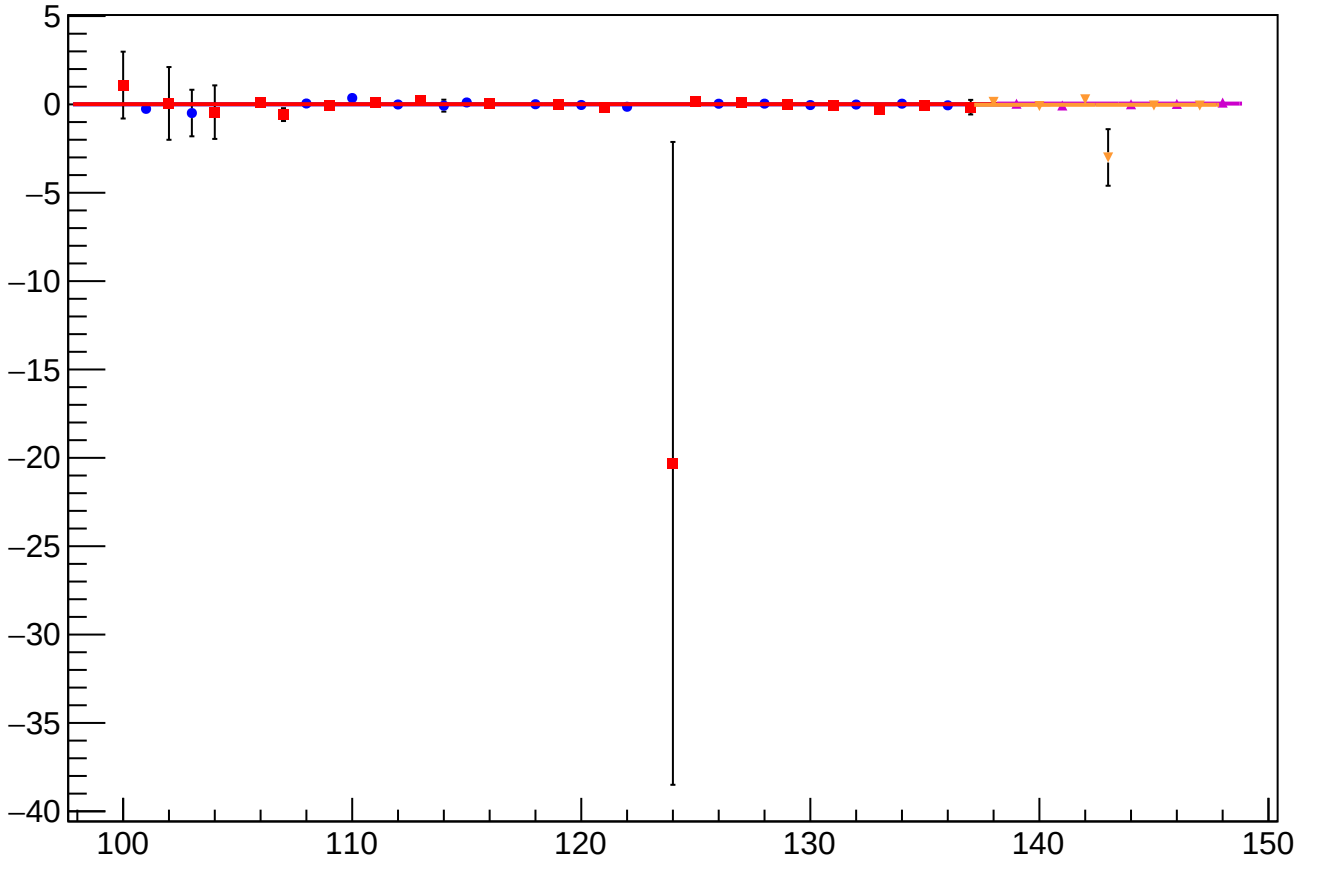
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1281975.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 13918031.6/21

All: 0.000+/-0.000 χ^2/NDF: 26918686.0/45

- sign 0.000+/-0.000 χ^2/NDF: 12998506.4/23



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

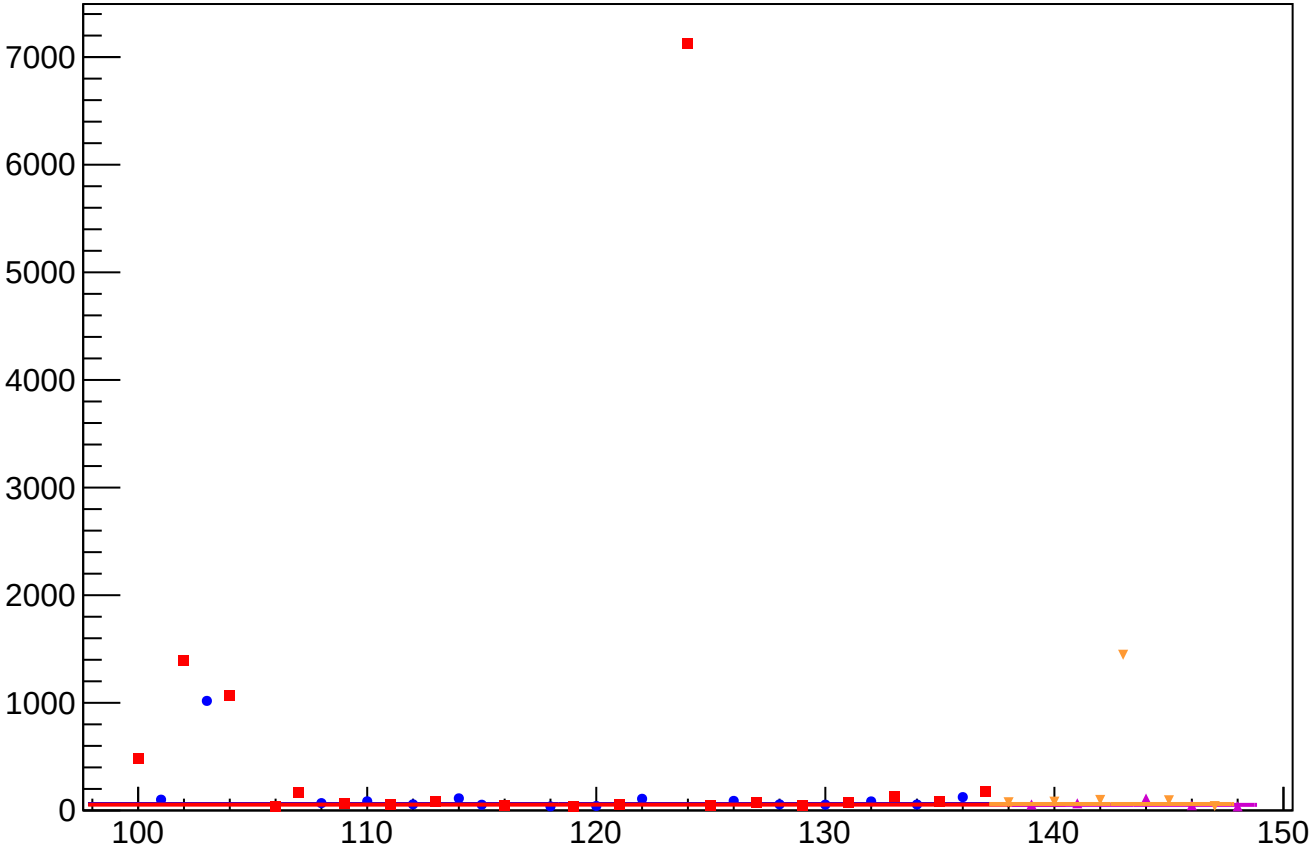
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.013+/-0.014 χ^2/NDF: 47.3/45

- sign 0.028+/-0.019 χ^2/NDF: 22.0/23

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

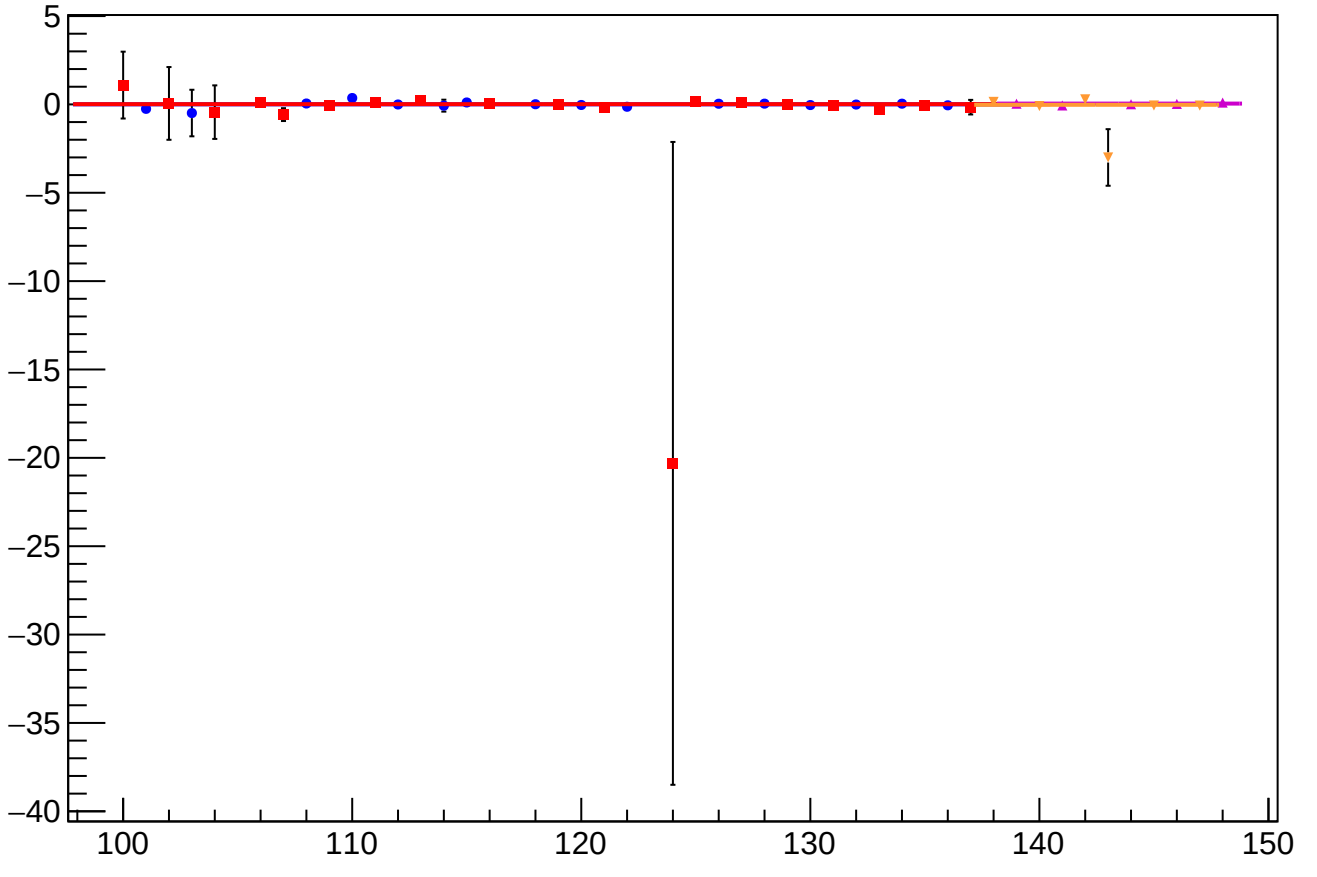
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

+ sign 59.943+/-0.015 χ^2/NDF: 4848768.0/21

All: 56.205+/-0.010 χ^2/NDF: 9242329.0/45

- sign 53.222+/-0.013 χ^2/NDF: 4283372.0/23



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

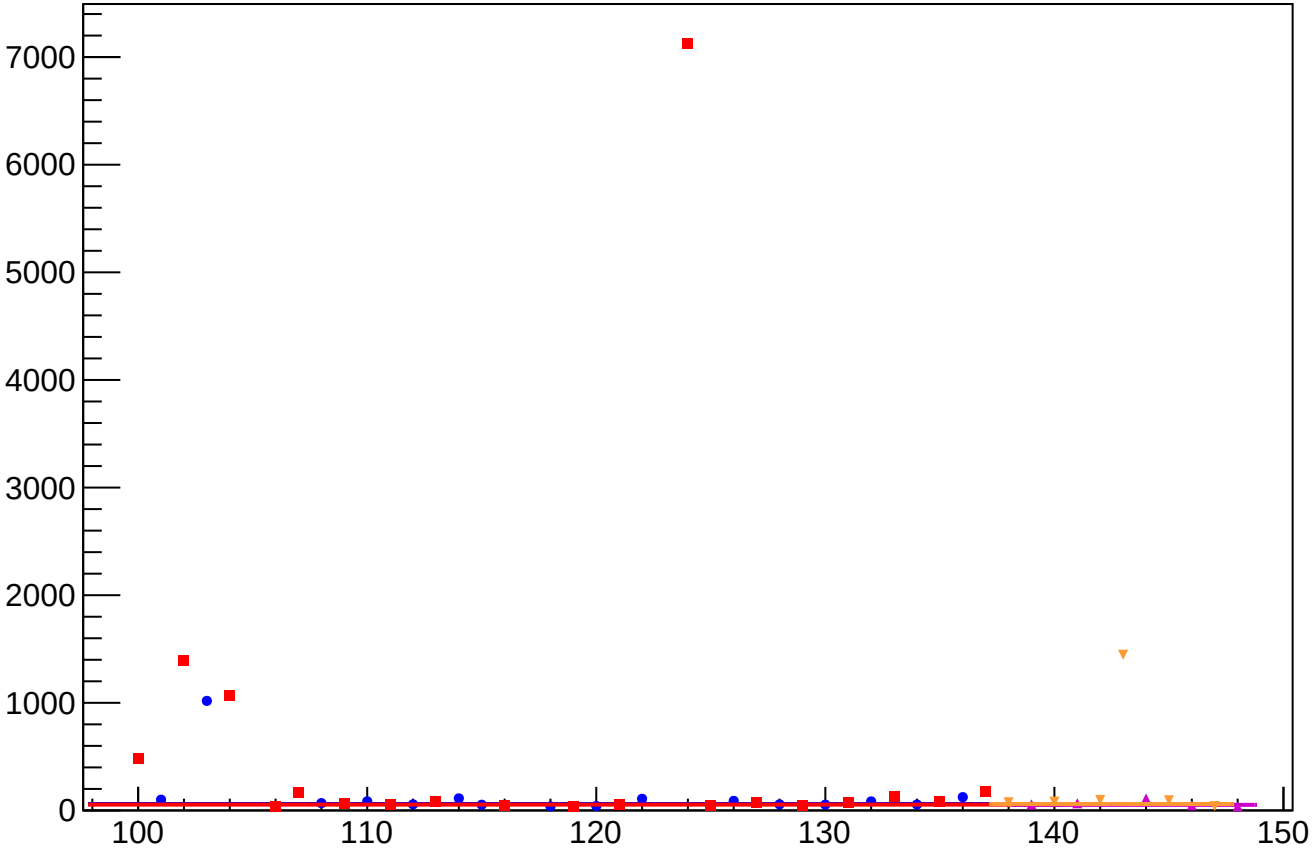
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign -0.005+/-0.021 χ^2/NDF: 23.9/21

All: 0.013+/-0.014 χ^2/NDF: 47.3/45

- sign 0.028+/-0.019 χ^2/NDF: 22.0/23

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

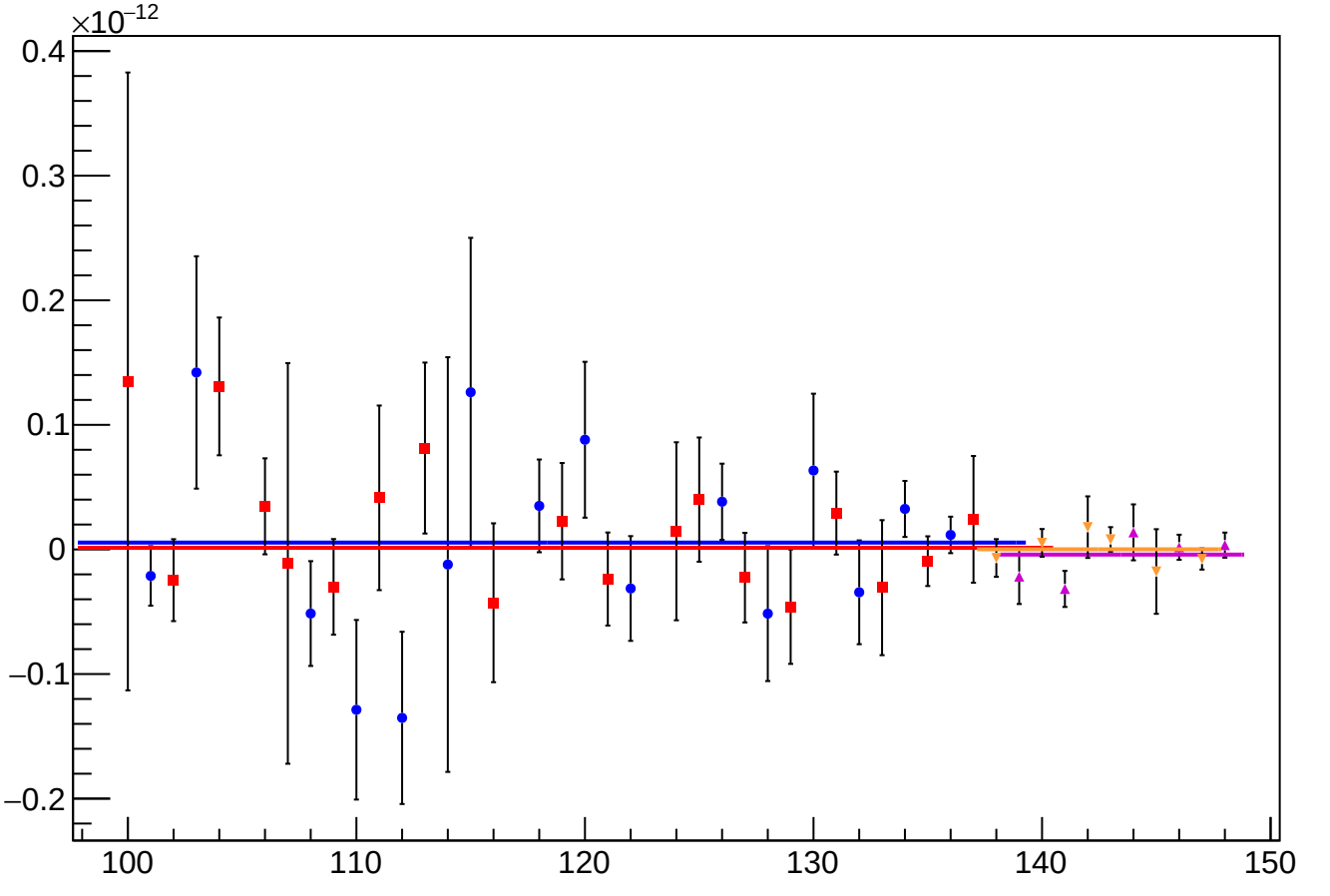
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

+ sign 59.943+/-0.015 χ^2/NDF: 4848768.0/21

All: 56.205+/-0.010 χ^2/NDF: 9242329.0/45

- sign 53.222+/-0.013 χ^2/NDF: 4283372.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/5

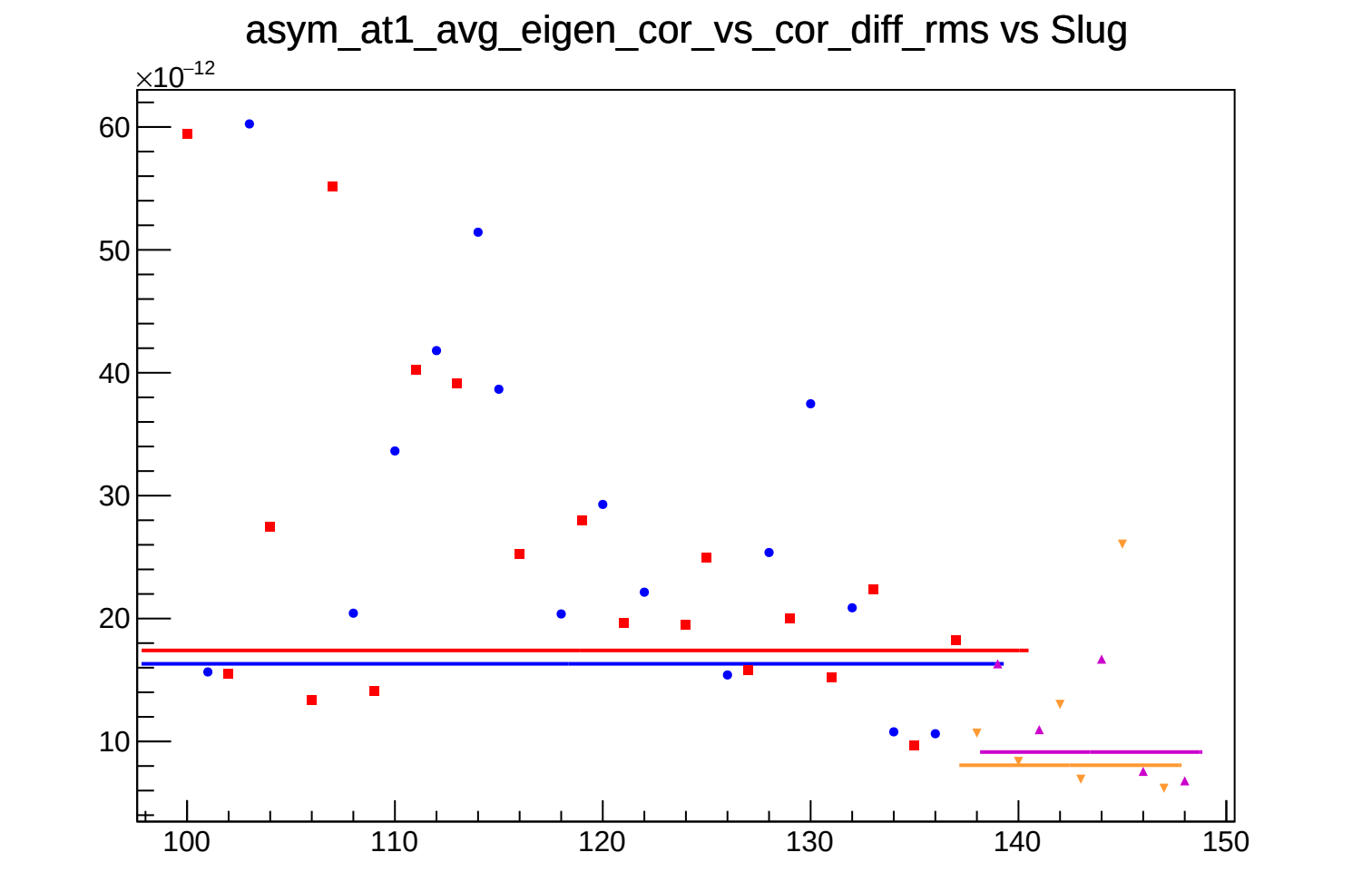
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/4

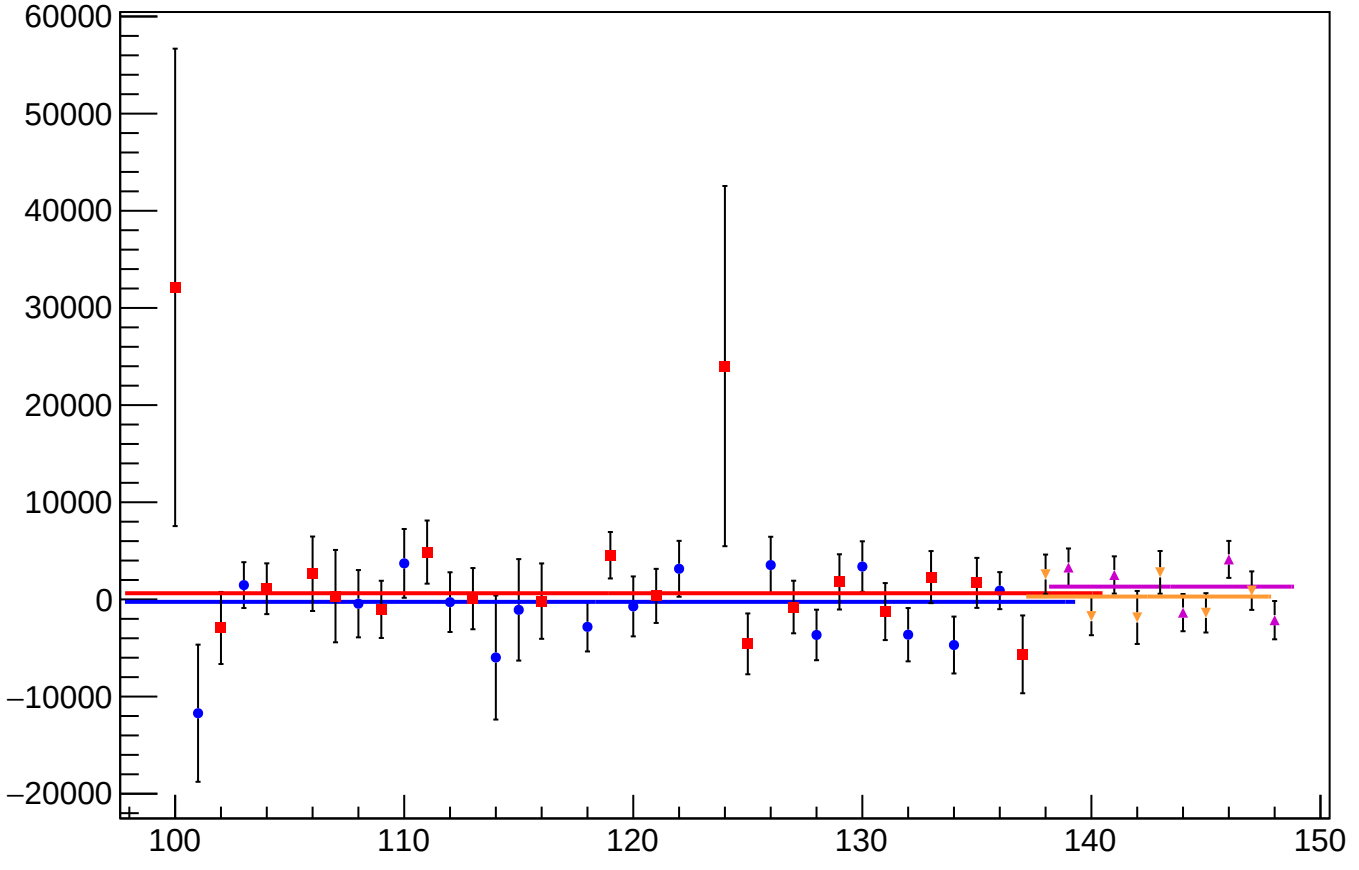
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/21

All: -0.000+/-0.000 χ^2/NDF: 46.3/45

- sign -0.000+/-0.000 χ^2/NDF: 20.3/23


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:826146.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:628473.7/4
+ sign 0.000+/-0.000 χ²/NDF: 4077884.6/21
All: 0.000+/-0.000 χ²/NDF: 7013021.0/45
- sign 0.000+/-0.000 χ²/NDF: 2872159.7/23

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

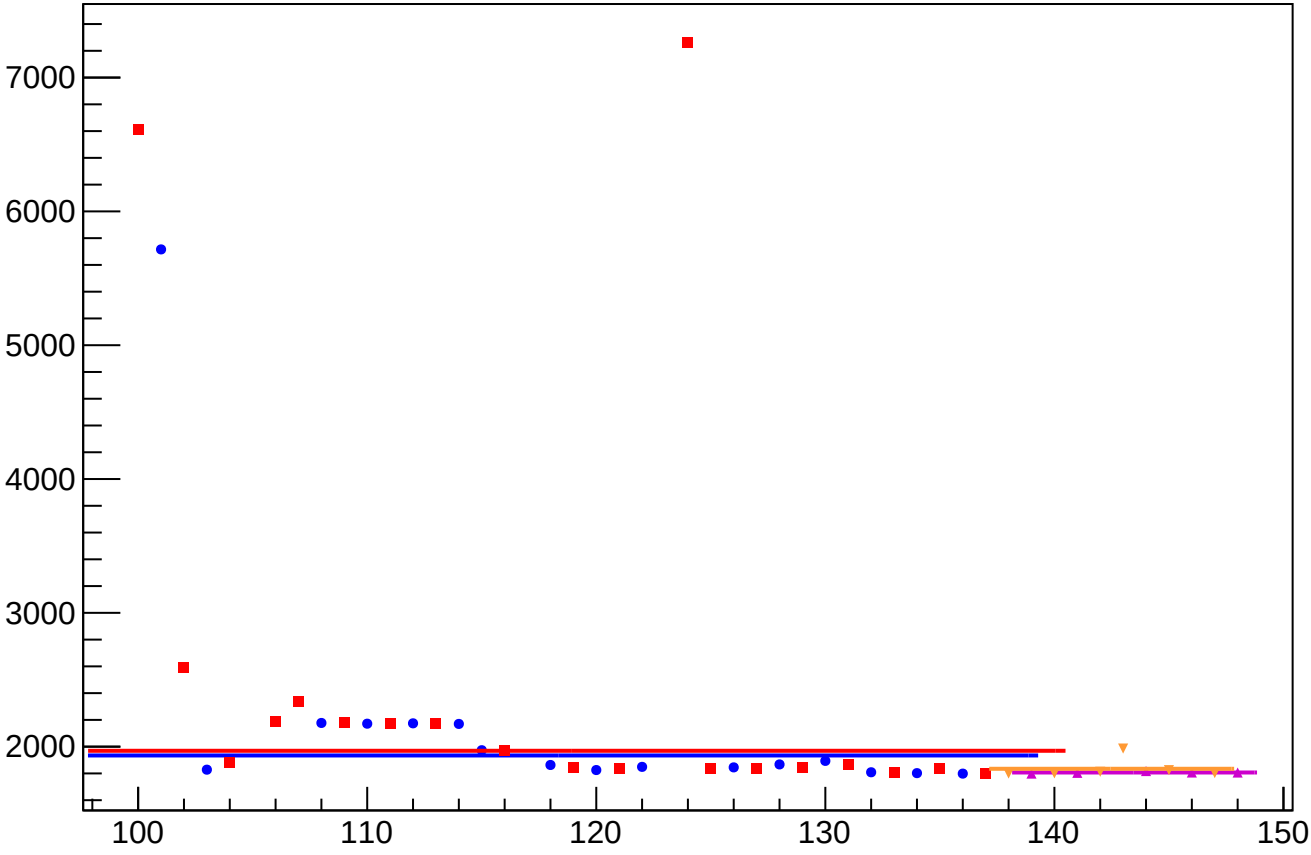
Left In: 1314.592+/-863.852 χ^2/NDF:8.6/4

+ sign -22.255+/-559.723 χ^2/NDF: 22.5/21

All: 449.247+/-395.883 χ^2/NDF: 48.8/45

- sign 921.223+/-560.004 χ^2/NDF: 24.9/23

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

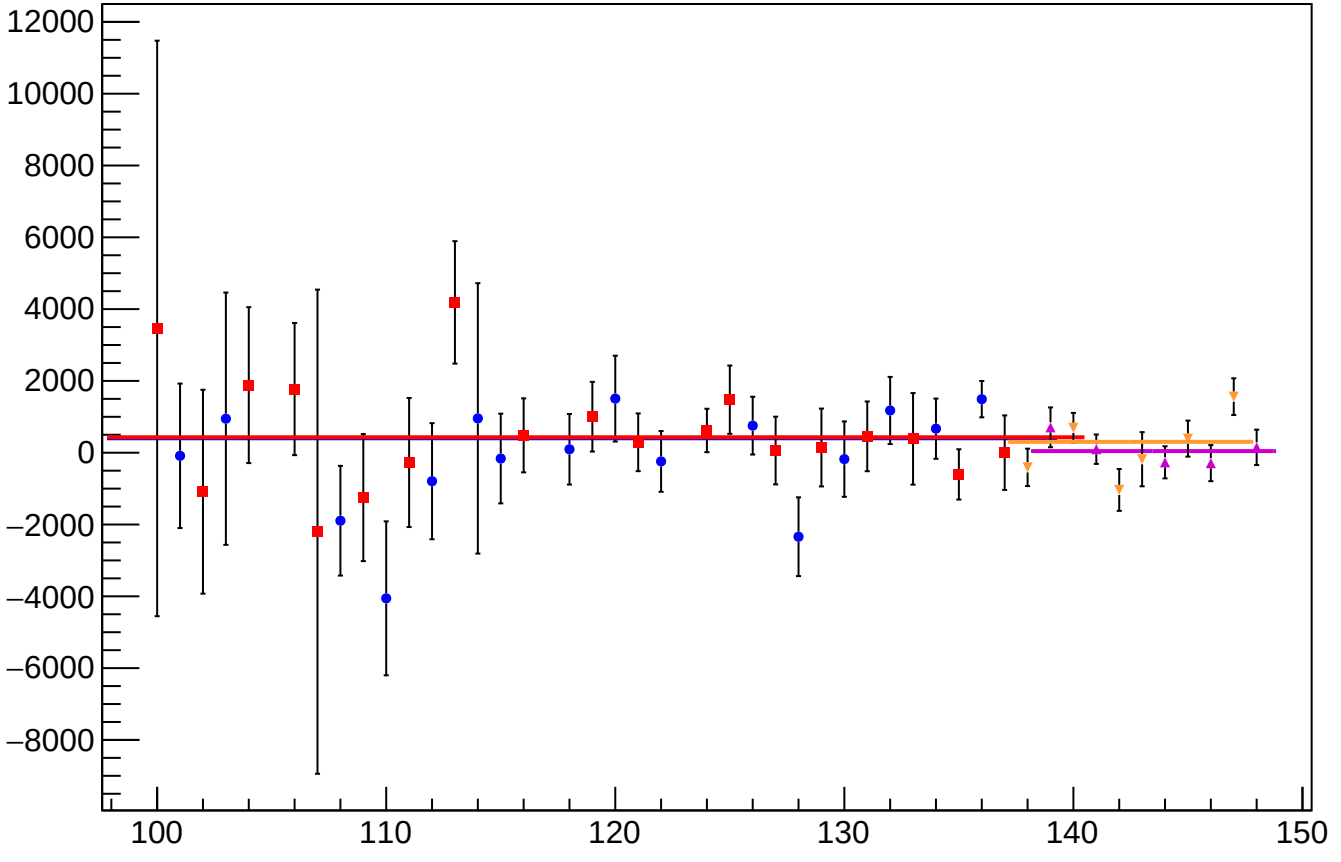
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.9/21

All: 1896.715+/-0.280 χ^2/NDF: 1086321.1/45

- sign 1901.027+/-0.396 χ^2/NDF: 419376.2/23

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

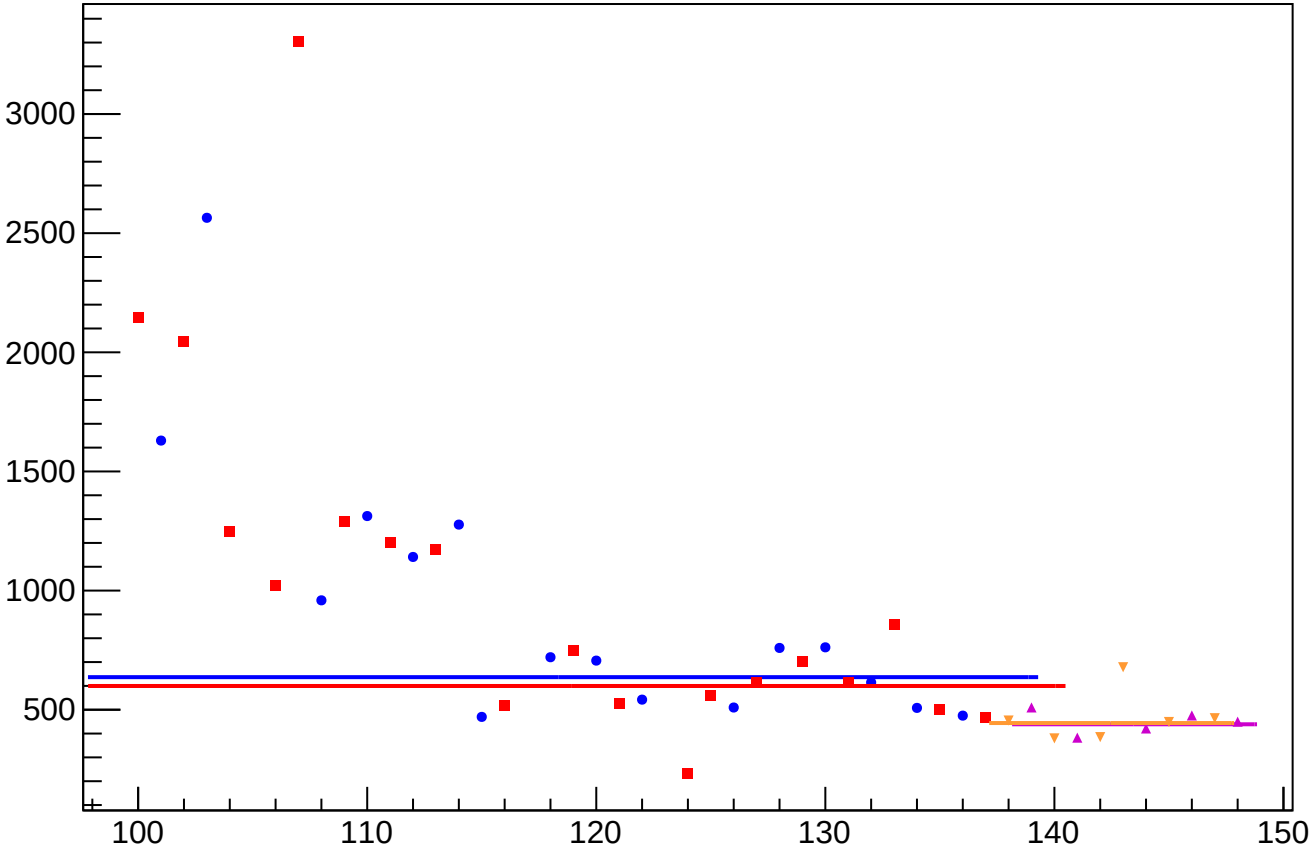
Left In: 45.409+/-211.800 χ^2/NDF:2.4/4

+ sign 343.433+/-164.583 χ^2/NDF: 35.8/21

All: 272.786+/-115.583 χ^2/NDF: 51.6/45

- sign 204.037+/-162.357 χ^2/NDF: 15.5/23

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

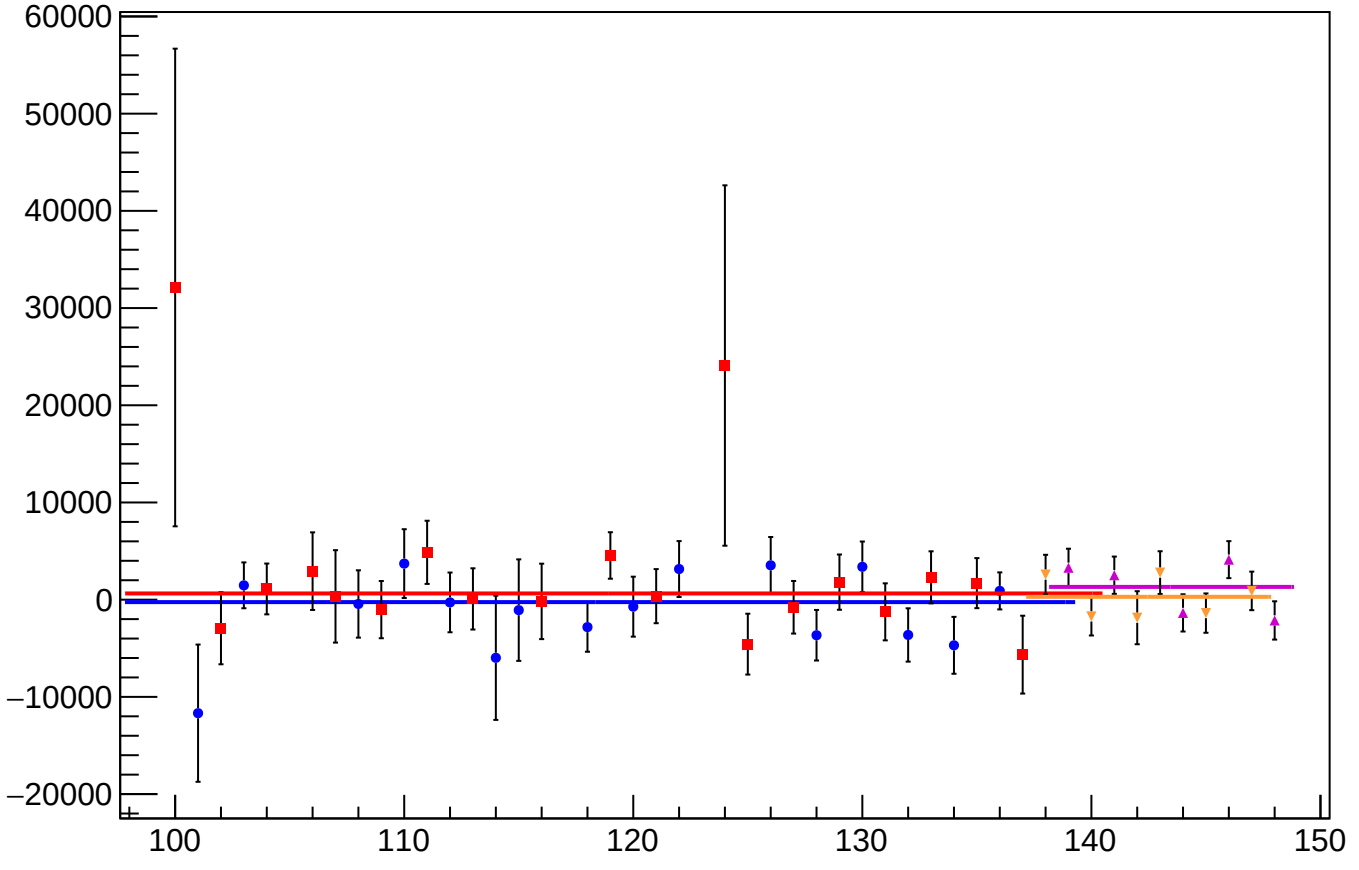
Left In: 438.906+/-0.150 χ^2/NDF:84925.9/4

+ sign 522.144+/-0.116 χ^2/NDF: 2992317.6/21

All: 513.550+/-0.082 χ^2/NDF: 6507059.4/45

- sign 505.187+/-0.115 χ^2/NDF: 3503982.8/23

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

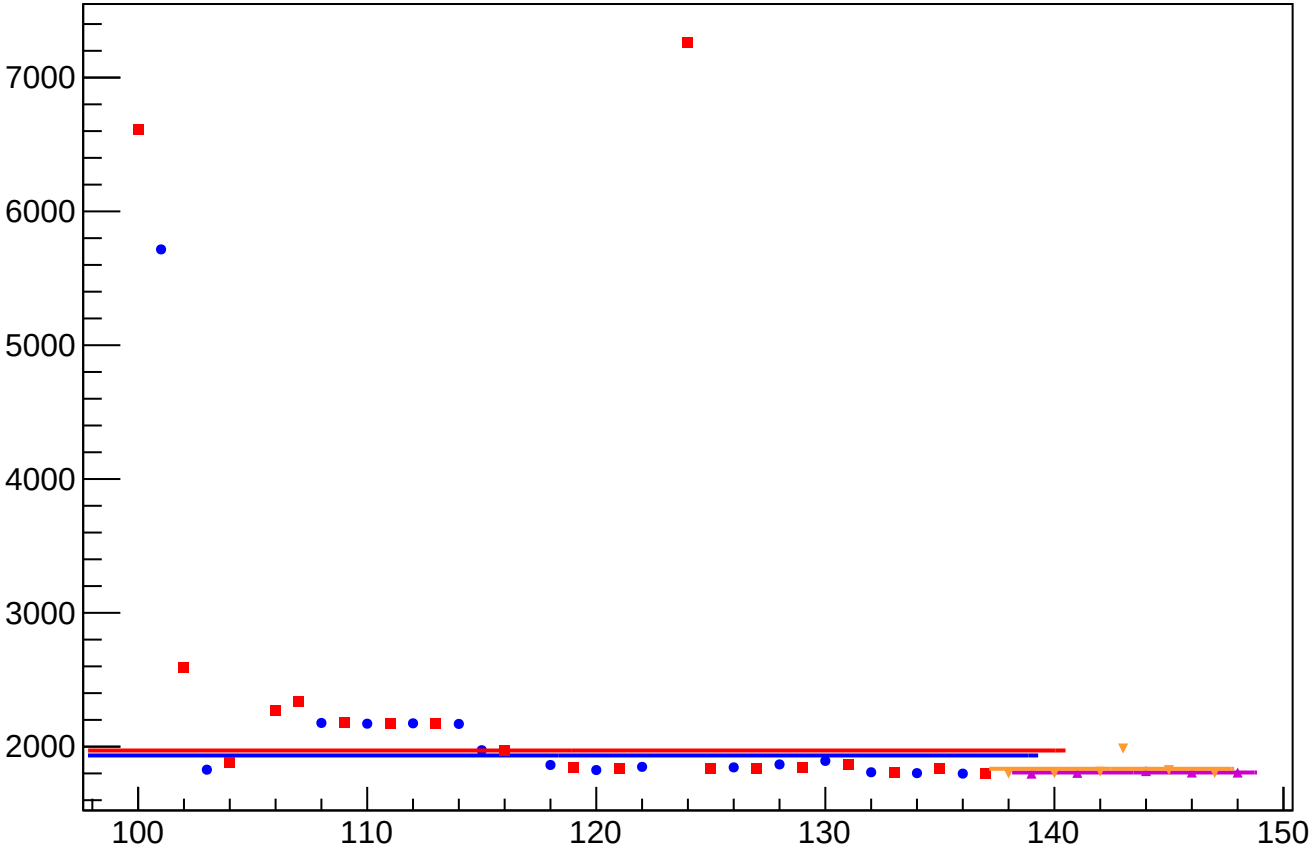
Left In: 1314.531+/-863.852 χ^2/NDF:8.6/4

+ sign -21.835+/-559.723 χ^2/NDF: 22.5/21

All: 450.670+/-396.050 χ^2/NDF: 48.8/45

- sign 924.448+/-560.477 χ^2/NDF: 24.9/23

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

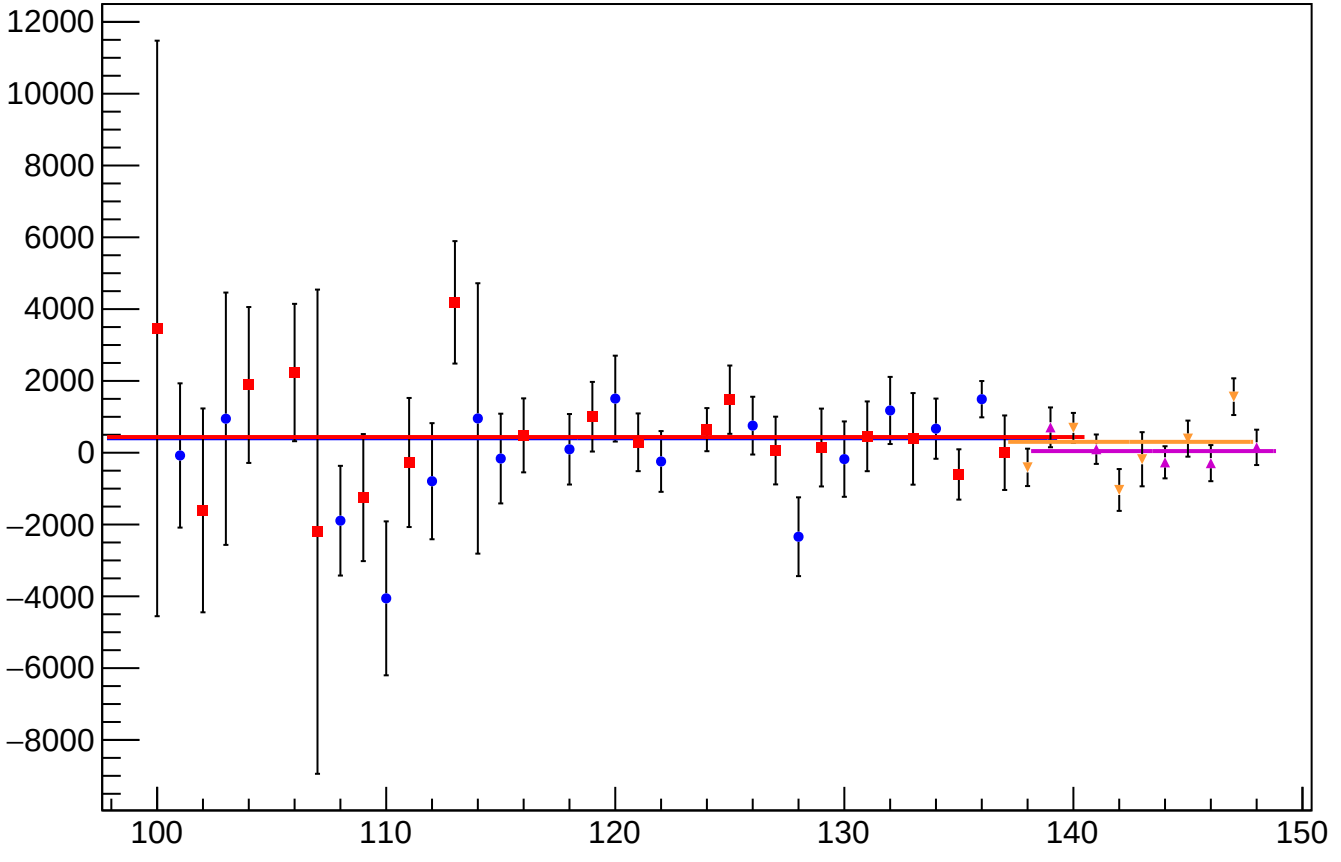
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.8/21

All: 1897.277+/-0.280 χ^2/NDF: 1092225.9/45

- sign 1902.158+/-0.396 χ^2/NDF: 425215.1/23

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

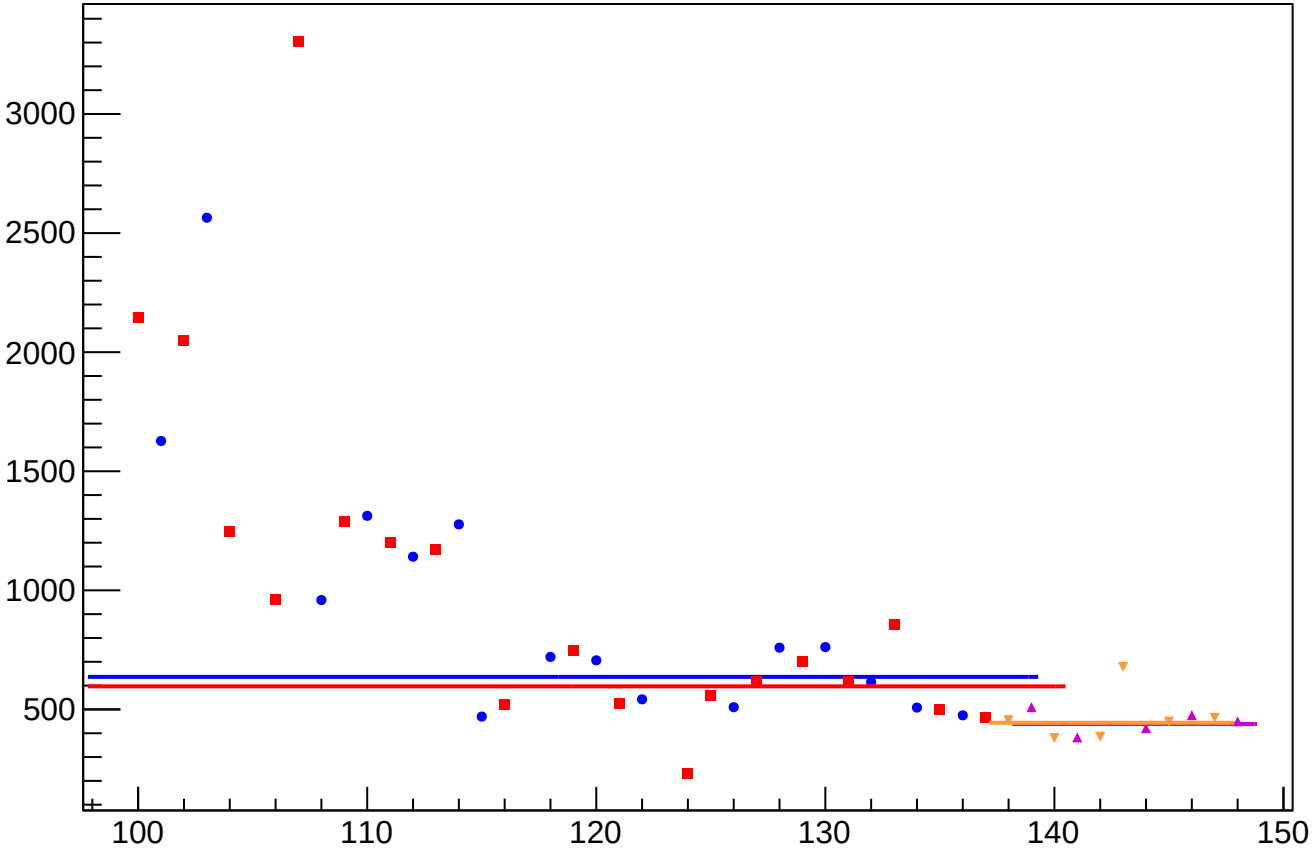
Left In: 45.475+/-211.795 χ^2/NDF:2.4/4

+ sign 343.403+/-164.582 χ^2/NDF: 35.8/21

All: 274.214+/-115.567 χ^2/NDF: 52.3/45

- sign 206.918+/-162.315 χ^2/NDF: 16.2/23

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

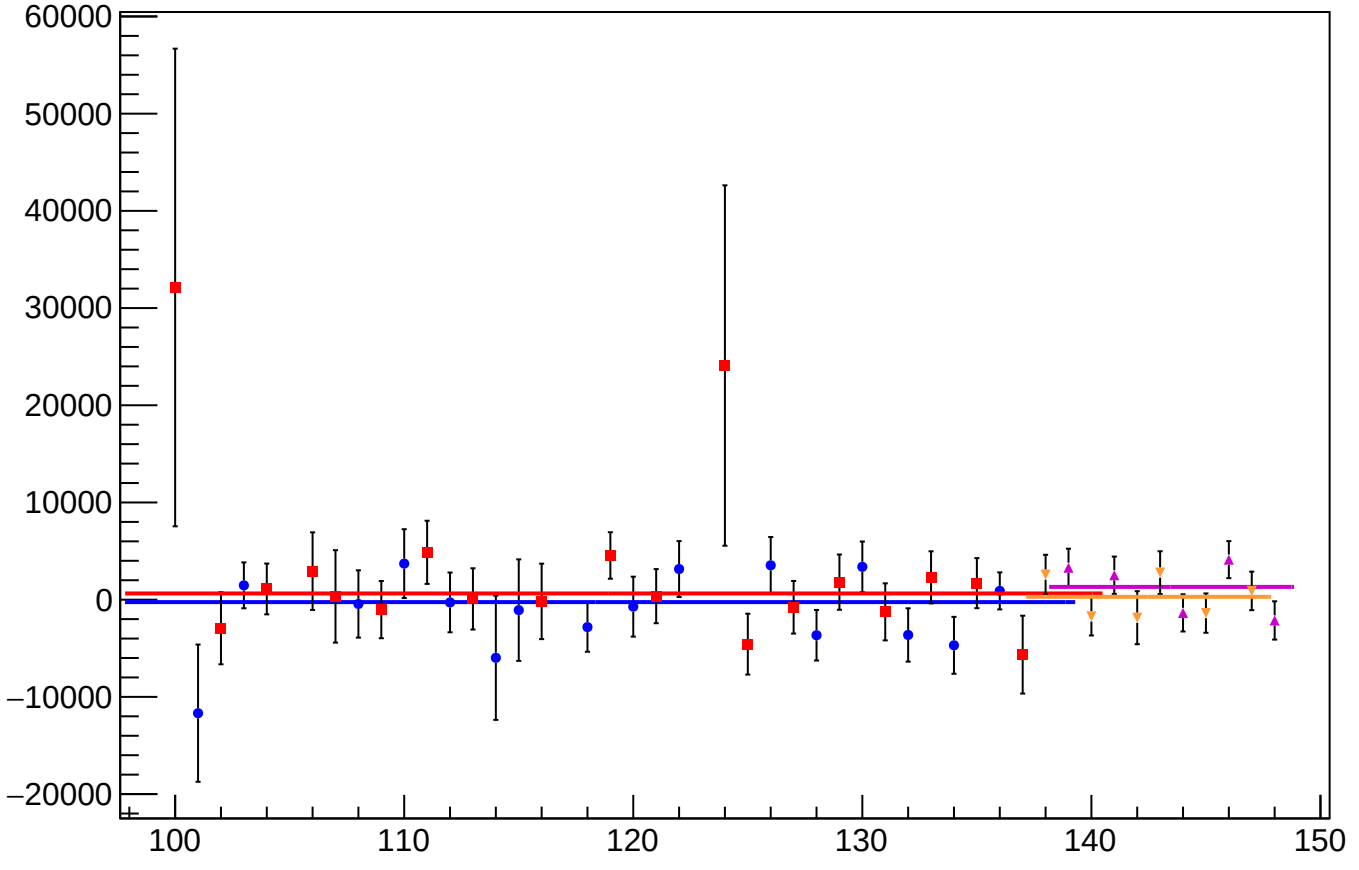
Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

+ sign 522.153+/-0.116 χ^2/NDF: 2991364.5/21

All: 512.993+/-0.082 χ^2/NDF: 6478066.0/45

- sign 504.084+/-0.115 χ^2/NDF: 3474481.4/23

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

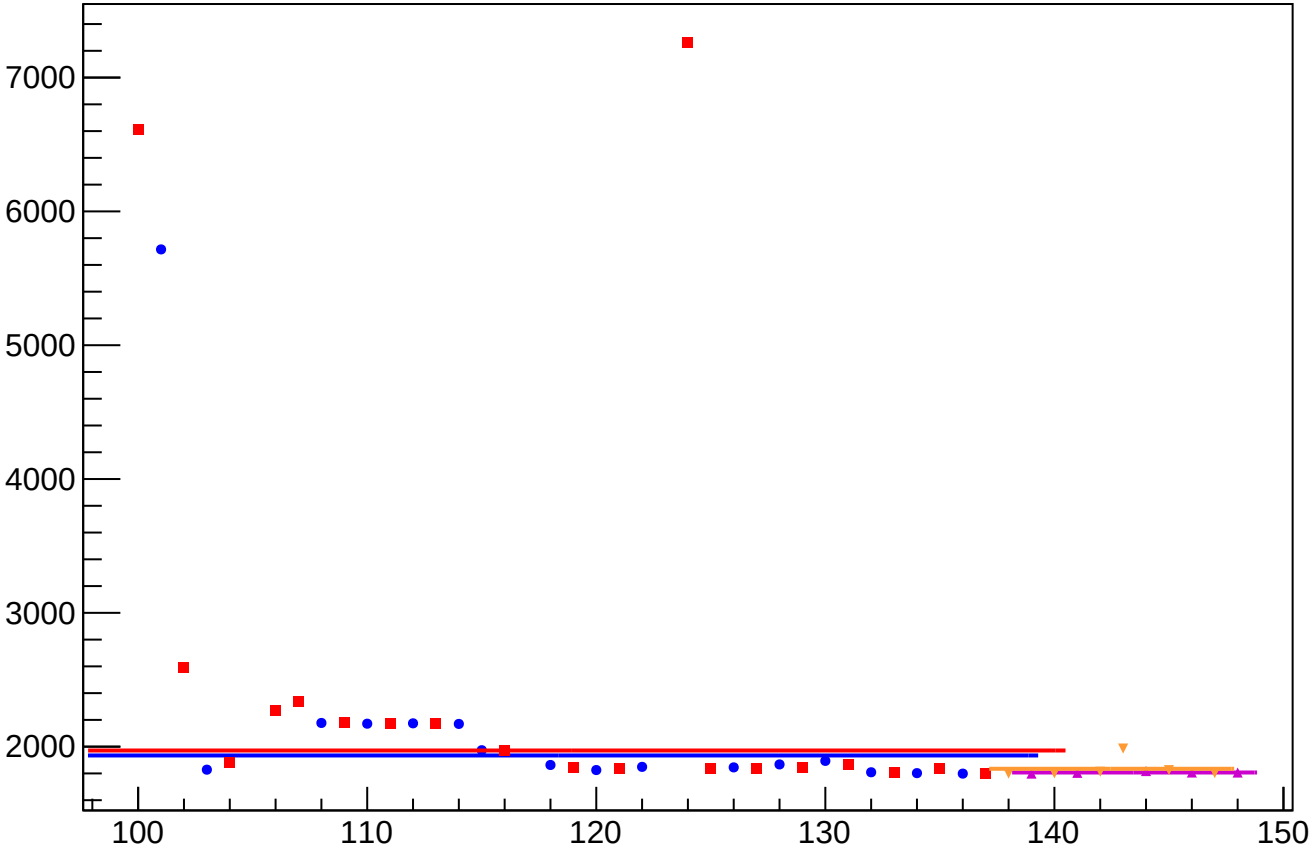
Left In: 1314.531+/-863.852 χ^2/NDF:8.6/4

+ sign -21.835+/-559.723 χ^2/NDF: 22.5/21

All: 450.670+/-396.050 χ^2/NDF: 48.8/45

- sign 924.448+/-560.477 χ^2/NDF: 24.9/23

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

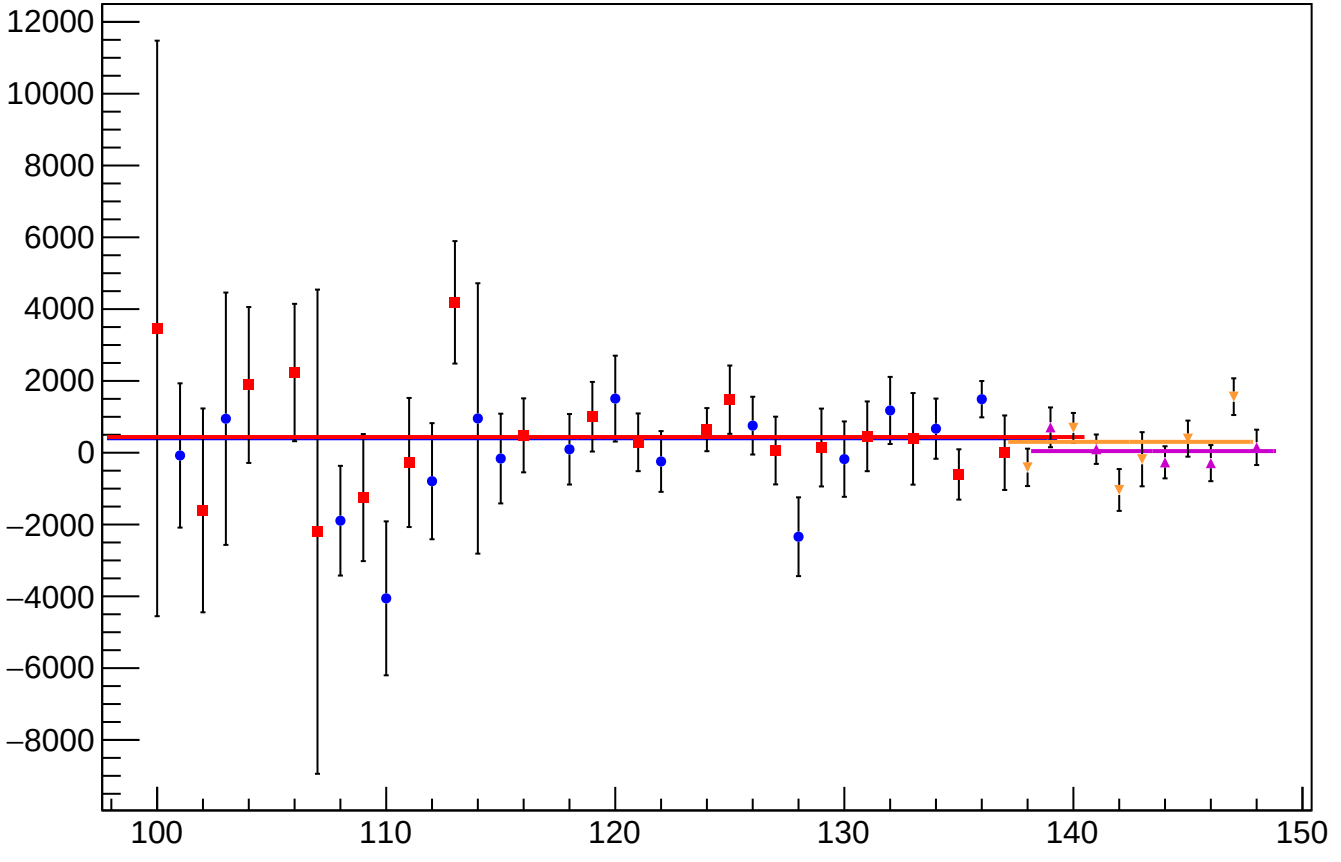
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1892.408+/-0.396 χ^2/NDF: 666707.8/21

All: 1897.277+/-0.280 χ^2/NDF: 1092225.9/45

- sign 1902.158+/-0.396 χ^2/NDF: 425215.1/23

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

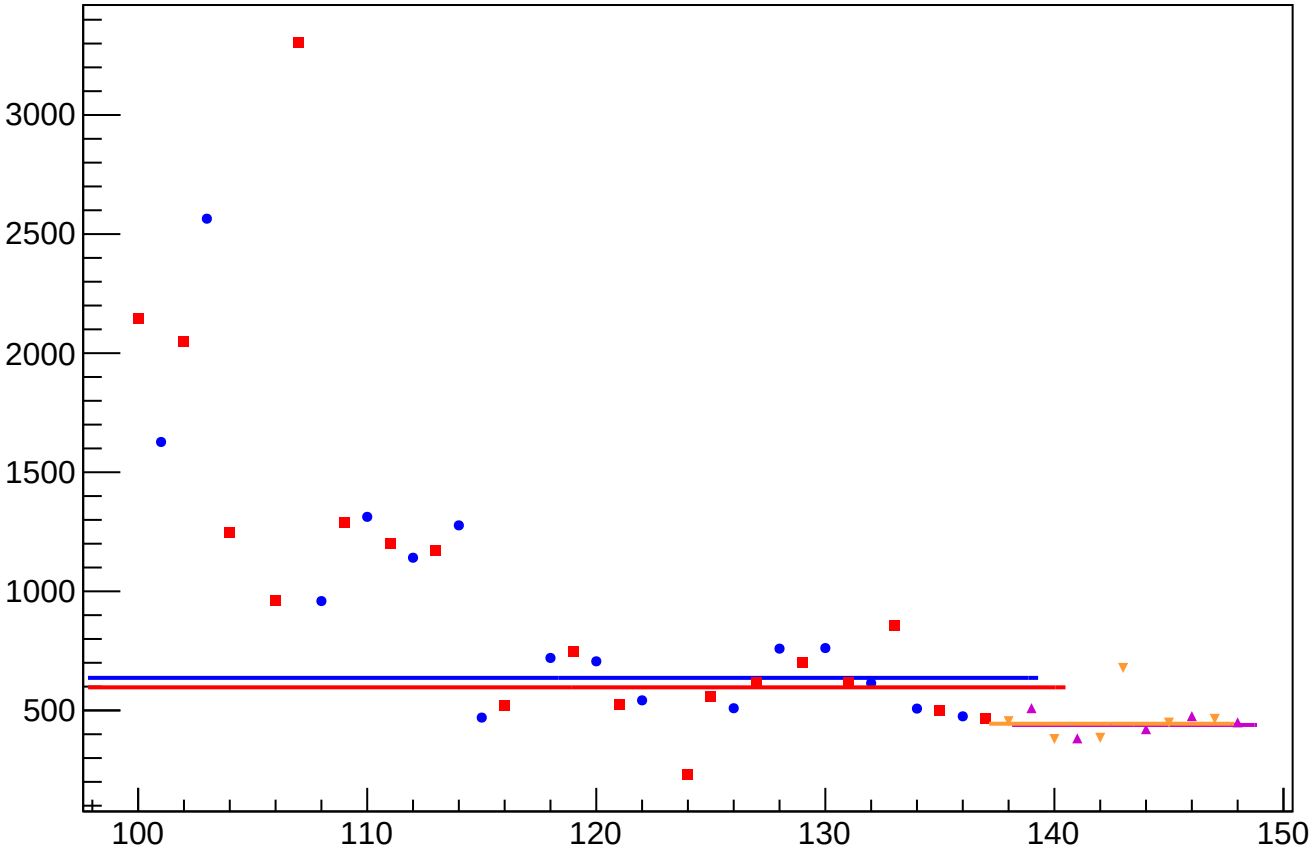
Left In: 45.475+/-211.795 χ^2/NDF:2.4/4

+ sign 343.403+/-164.582 χ^2/NDF: 35.8/21

All: 274.214+/-115.567 χ^2/NDF: 52.3/45

- sign 206.918+/-162.315 χ^2/NDF: 16.2/23

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

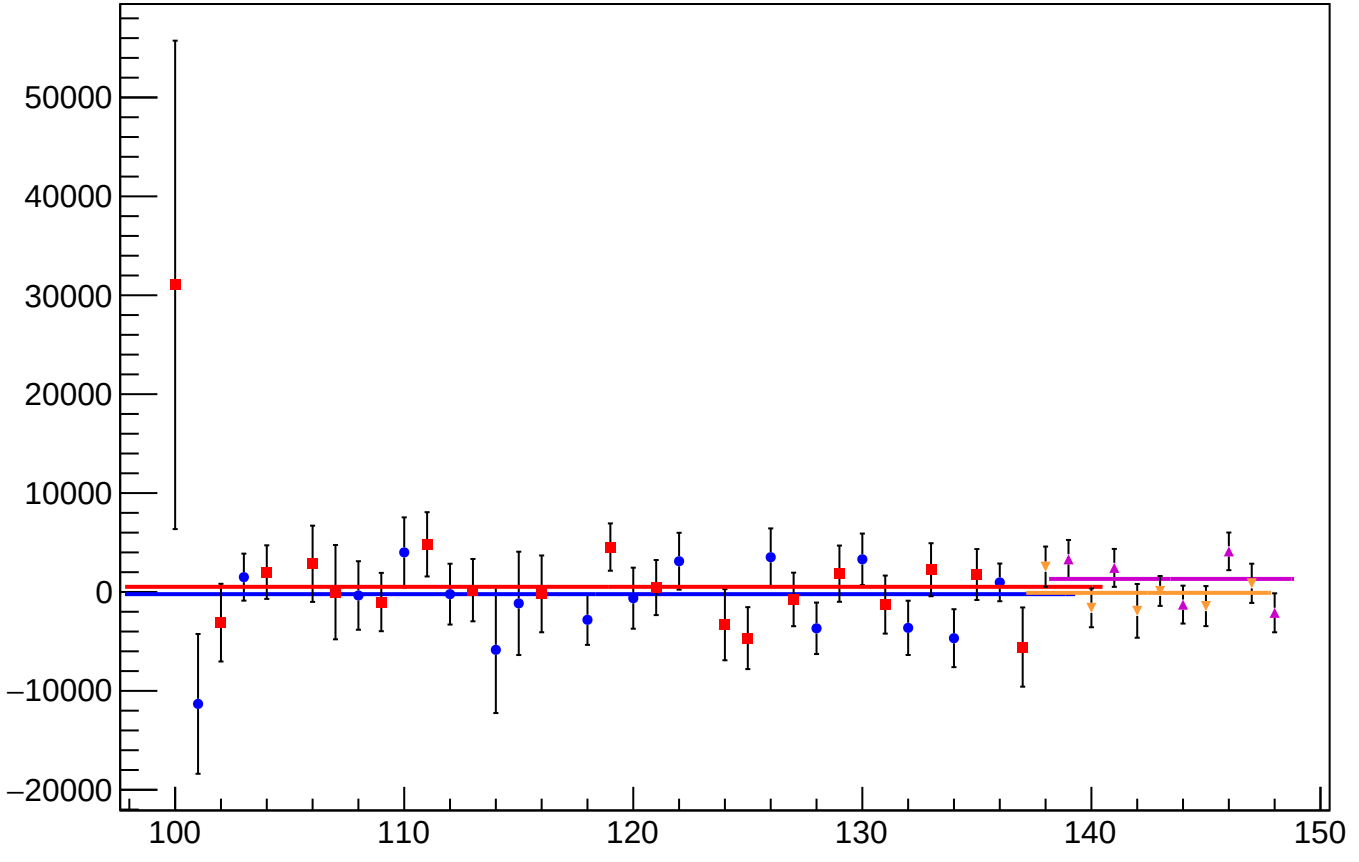
Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

+ sign 522.153+/-0.116 χ^2/NDF: 2991364.5/21

All: 512.993+/-0.082 χ^2/NDF: 6478066.0/45

- sign 504.084+/-0.115 χ^2/NDF: 3474481.4/23

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

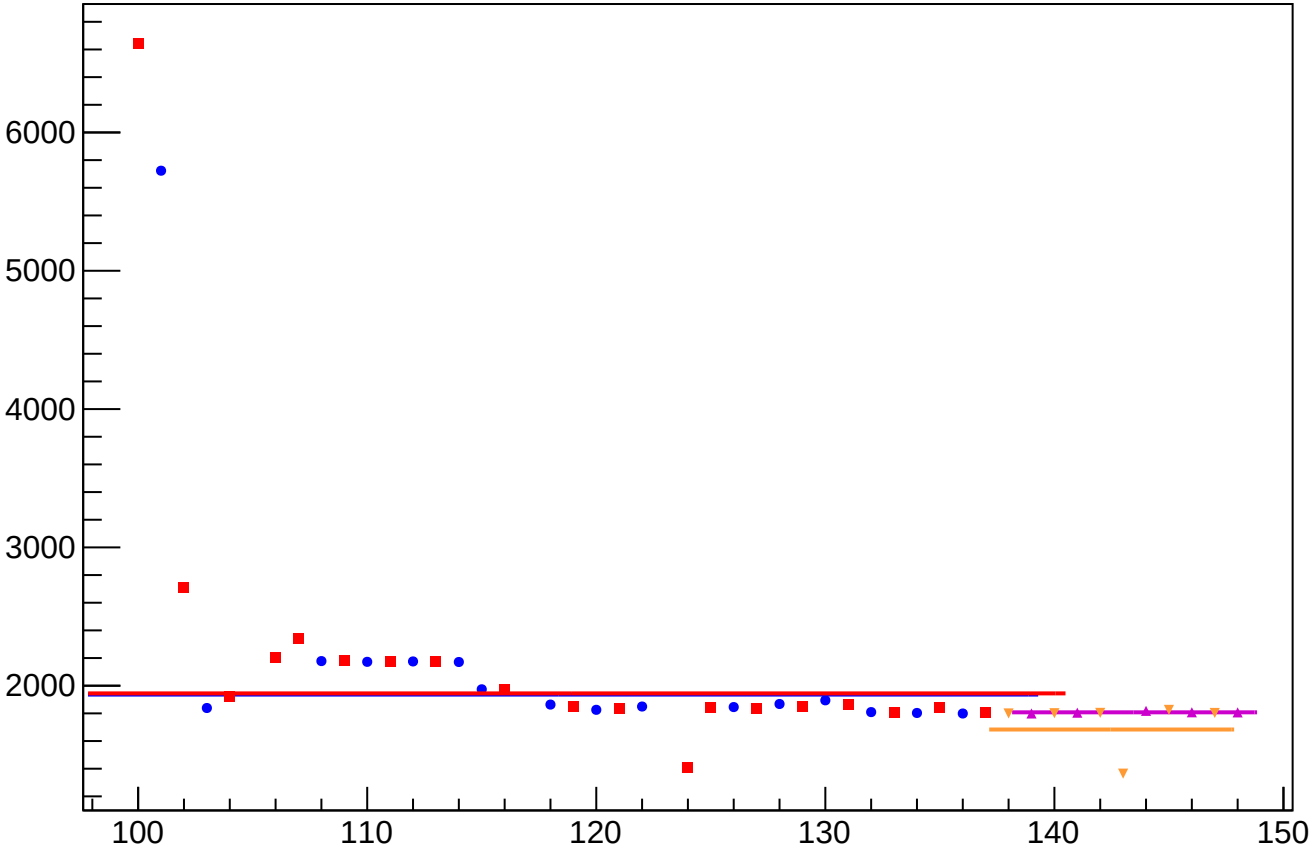
Left In: 1320.819+/-864.161 χ^2/NDF:8.4/4

+ sign -160.077+/-540.730 χ^2/NDF: 20.5/21

All: 331.904+/-387.440 χ^2/NDF: 46.7/45

- sign 850.961+/-555.410 χ^2/NDF: 24.5/23

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

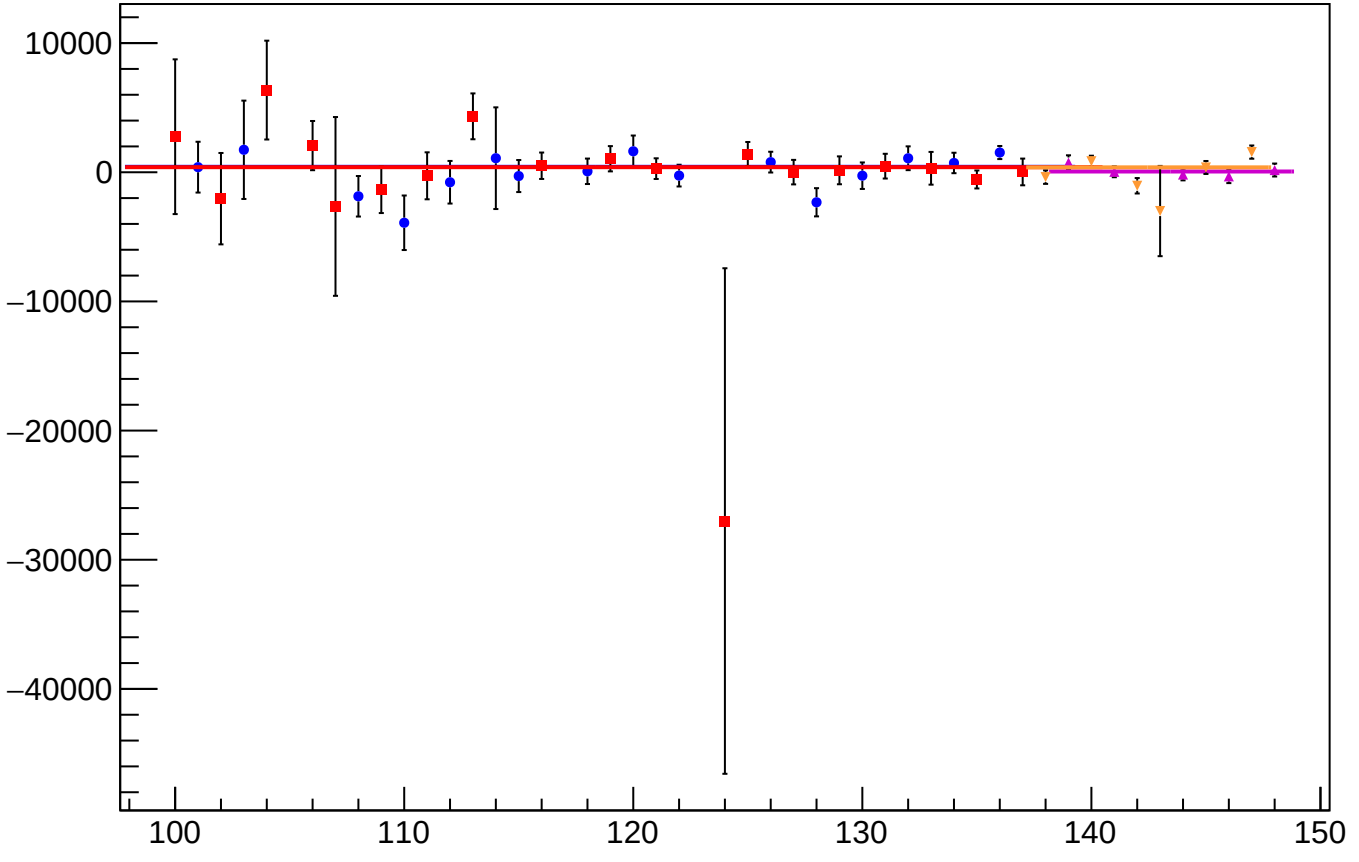
Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

+ sign 1819.741+/-0.382 χ^2/NDF: 872323.9/21

All: 1852.934+/-0.274 χ^2/NDF: 1193586.7/45

- sign 1887.953+/-0.393 χ^2/NDF: 305775.5/23

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

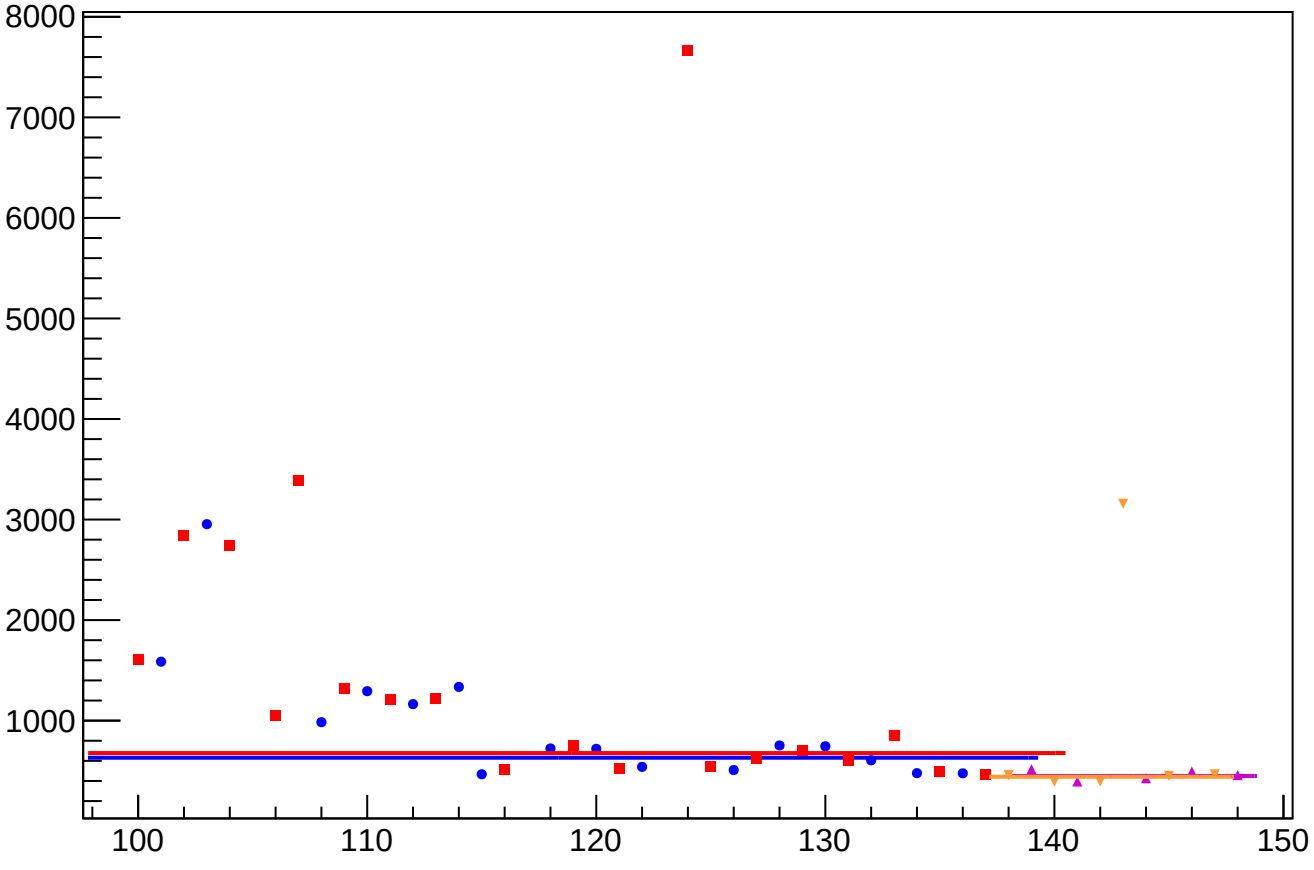
Left In: 58.616+/-216.562 χ^2/NDF:2.4/4

+ sign 397.575+/-169.274 χ^2/NDF: 36.7/21

All: 292.117+/-120.371 χ^2/NDF: 56.6/45

- sign 184.242+/-171.203 χ^2/NDF: 19.1/23

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

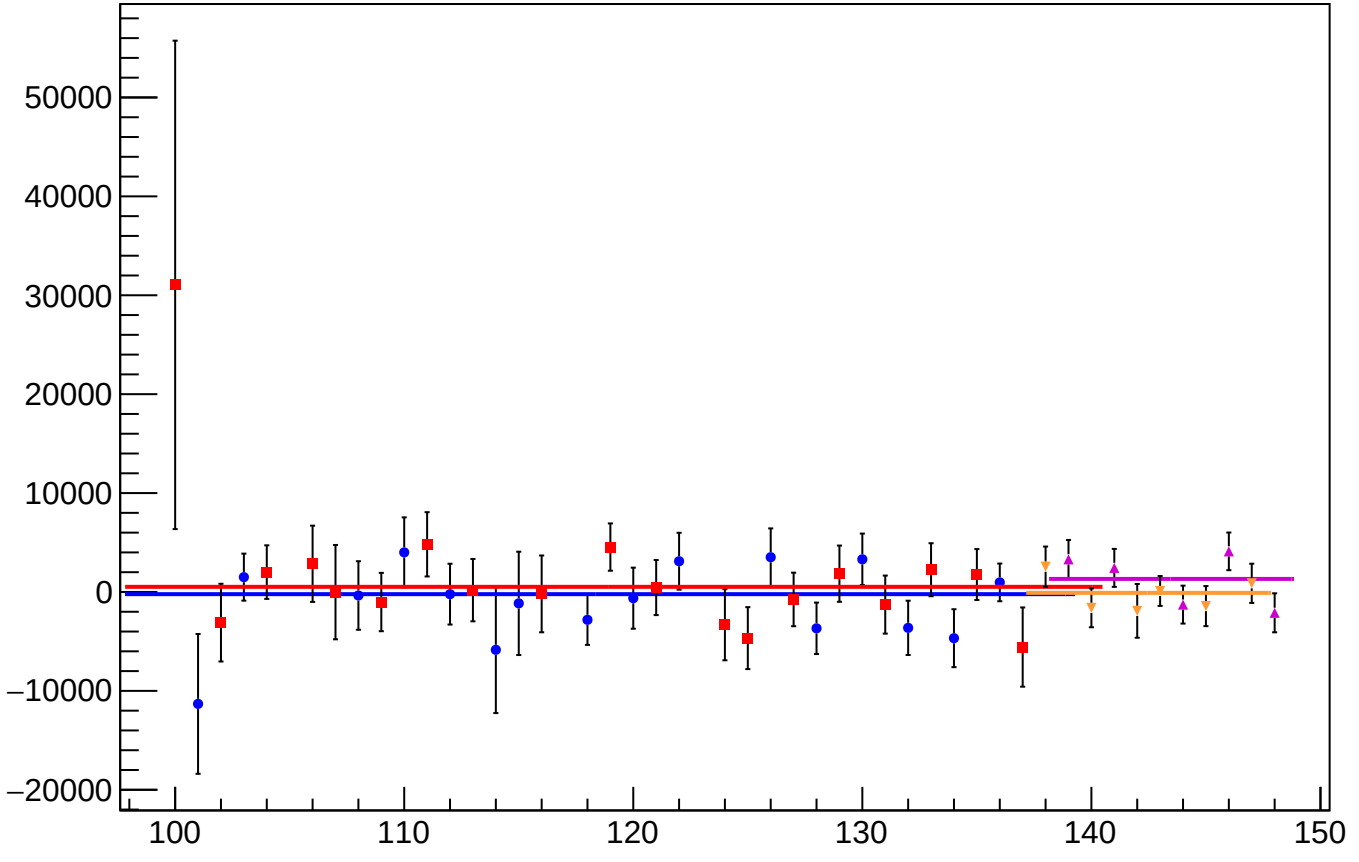
Left In: 449.362+/-0.153 χ^2/NDF:82527.4/4

+ sign 524.099+/-0.120 χ^2/NDF: 4103690.8/21

All: 529.437+/-0.085 χ^2/NDF: 8103743.4/45

- sign 534.897+/-0.121 χ^2/NDF: 3996029.3/23

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

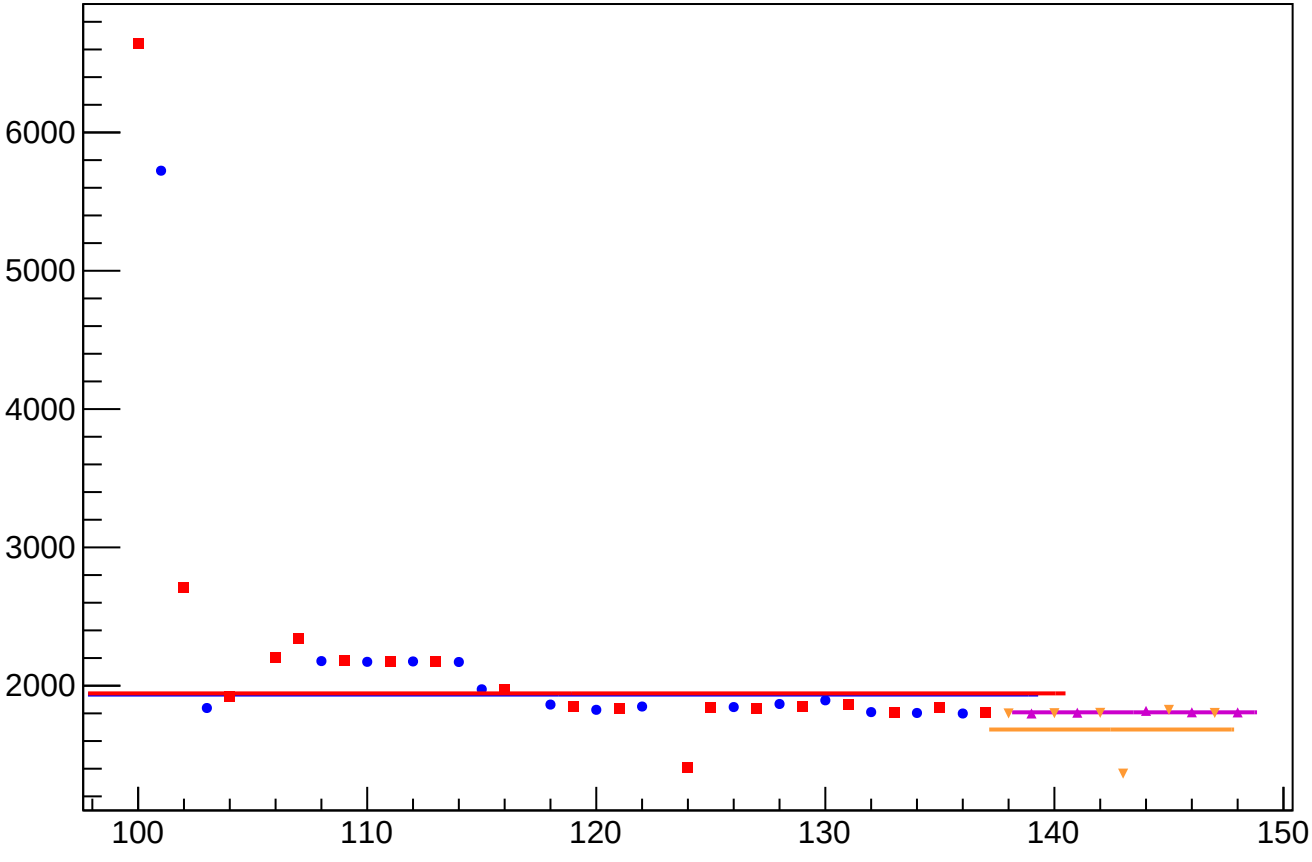
Left In: 1320.820+/-864.161 χ^2/NDF:8.4/4

+ sign -160.078+/-540.730 χ^2/NDF: 20.5/21

All: 331.904+/-387.440 χ^2/NDF: 46.7/45

- sign 850.962+/-555.410 χ^2/NDF: 24.5/23

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

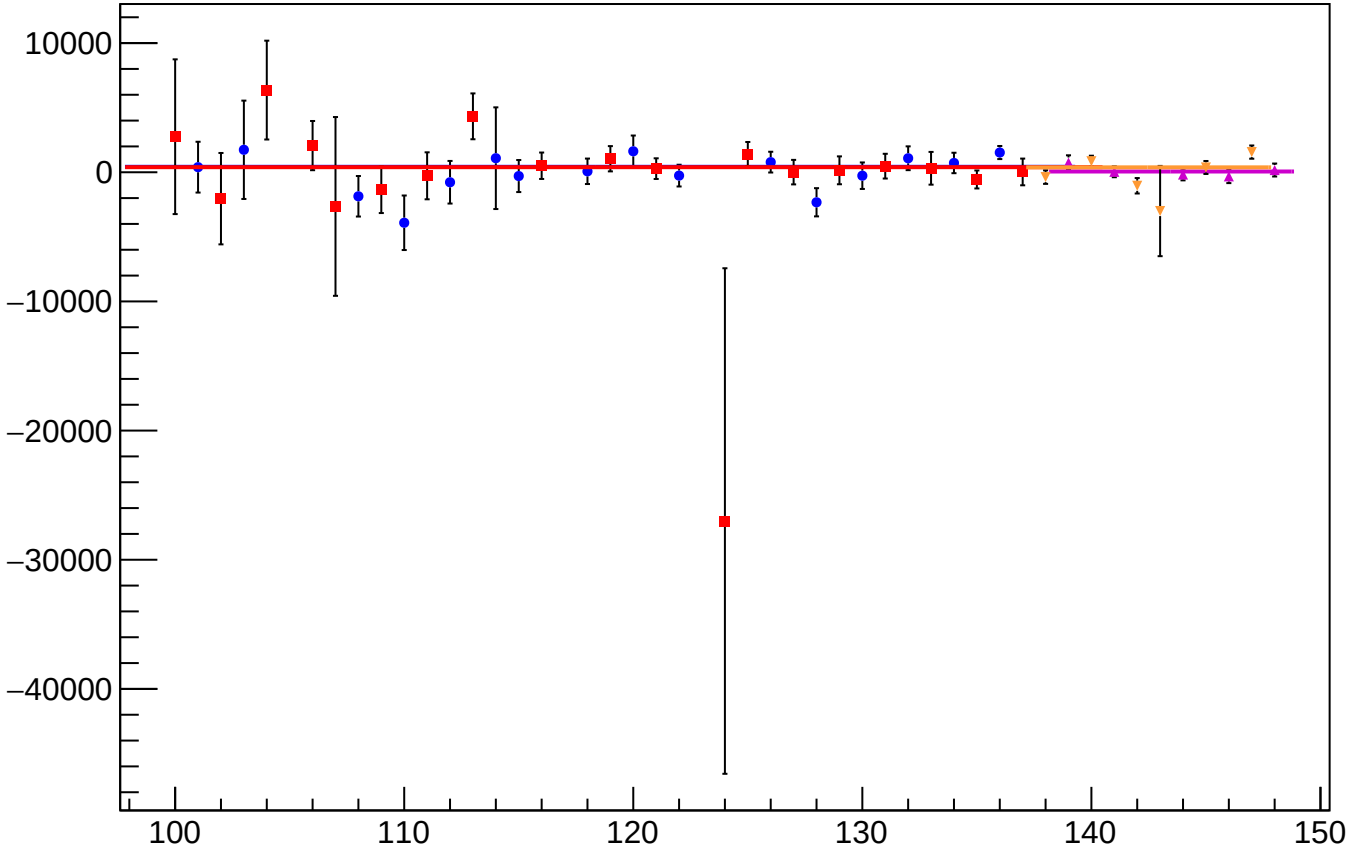
Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

+ sign 1819.741+/-0.382 χ^2/NDF: 872323.9/21

All: 1852.934+/-0.274 χ^2/NDF: 1193586.5/45

- sign 1887.953+/-0.393 χ^2/NDF: 305775.3/23

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

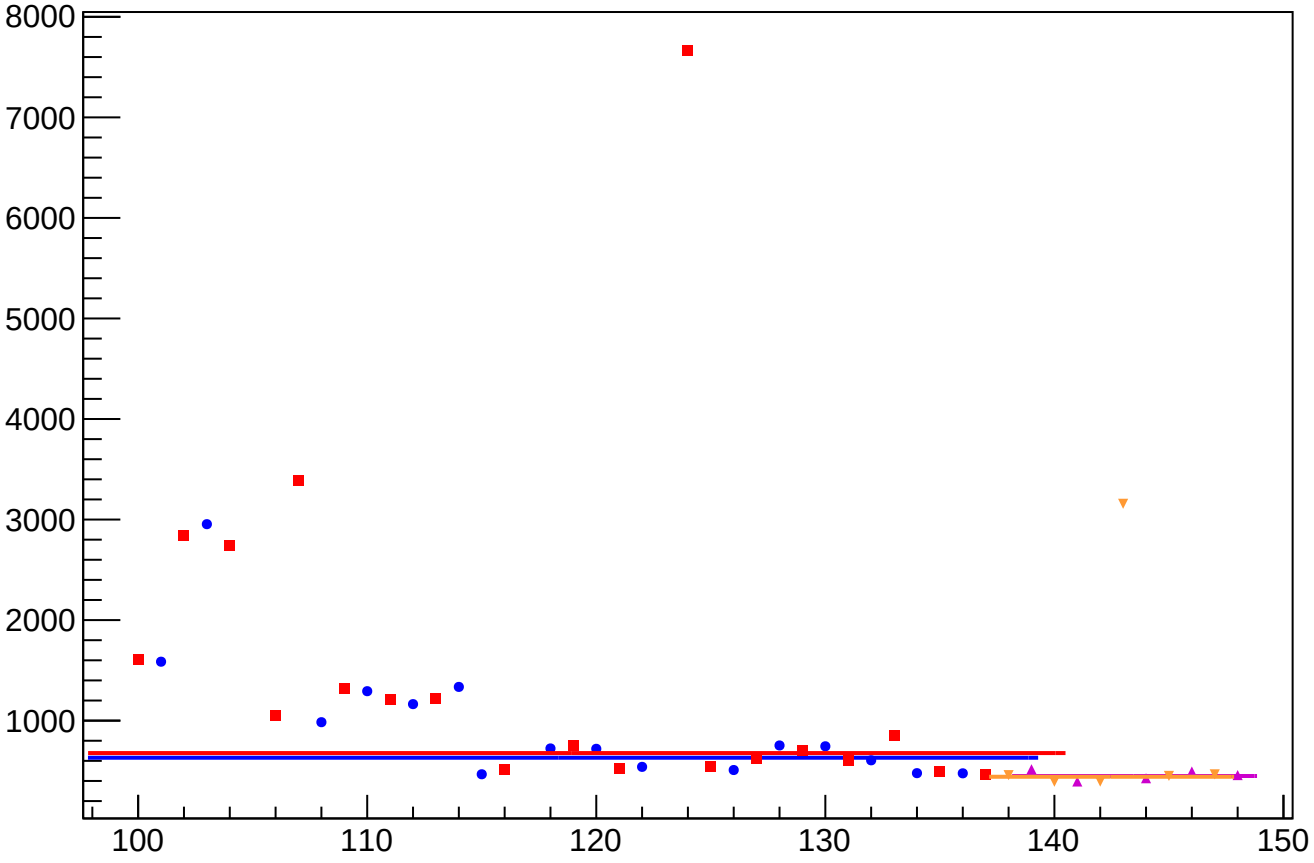
Left In: 58.617+/-216.562 χ^2/NDF:2.4/4

\+ sign 397.575+/-169.274 χ^2/NDF: 36.7/21

All: 292.117+/-120.371 χ^2/NDF: 56.6/45

\- sign 184.242+/-171.203 χ^2/NDF: 19.1/23

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

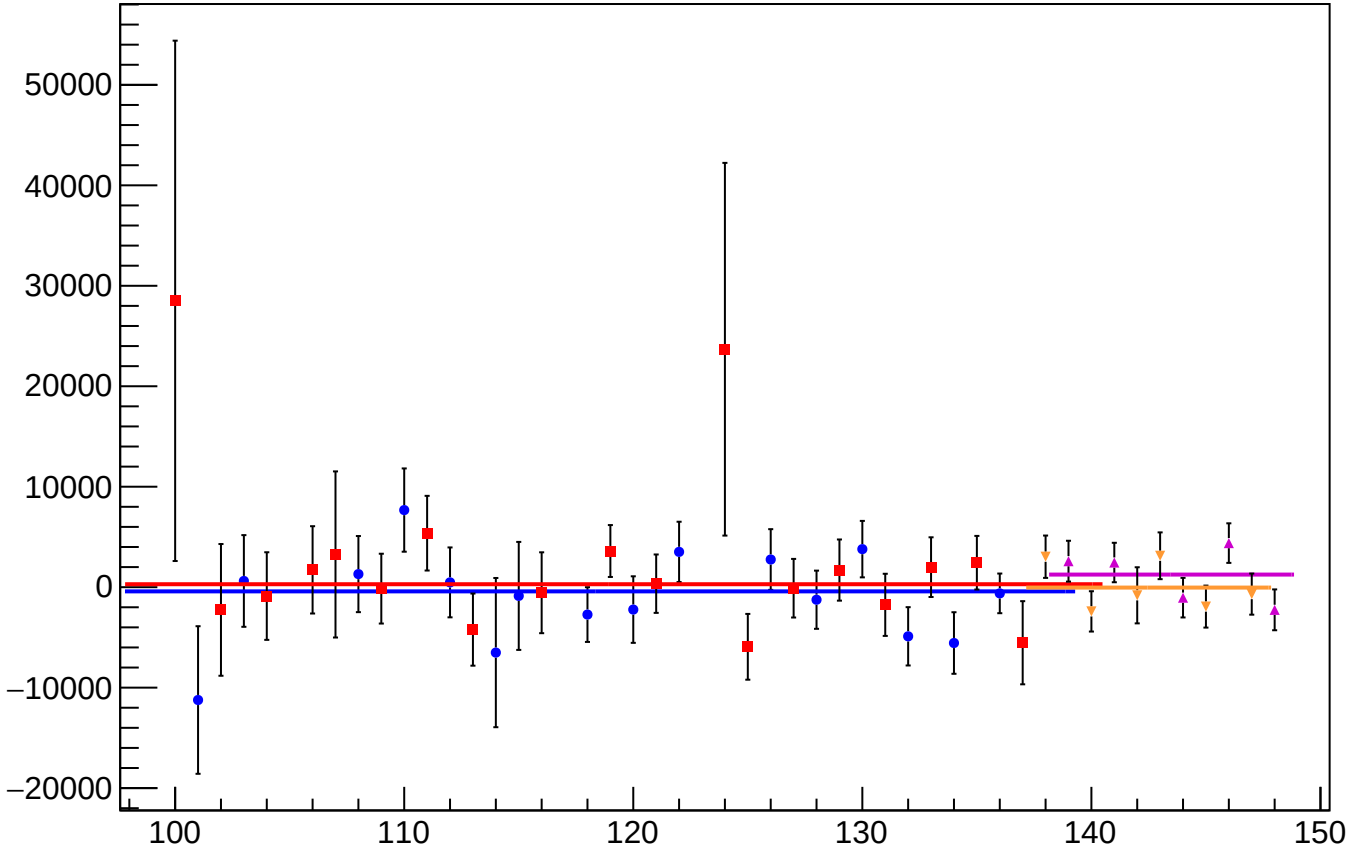
Left In: 449.362+/-0.153 χ^2/NDF:82527.9/4

+ sign 524.098+/-0.120 χ^2/NDF: 4103695.8/21

All: 529.436+/-0.085 χ^2/NDF: 8103752.7/45

- sign 534.897+/-0.121 χ^2/NDF: 3996033.2/23

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

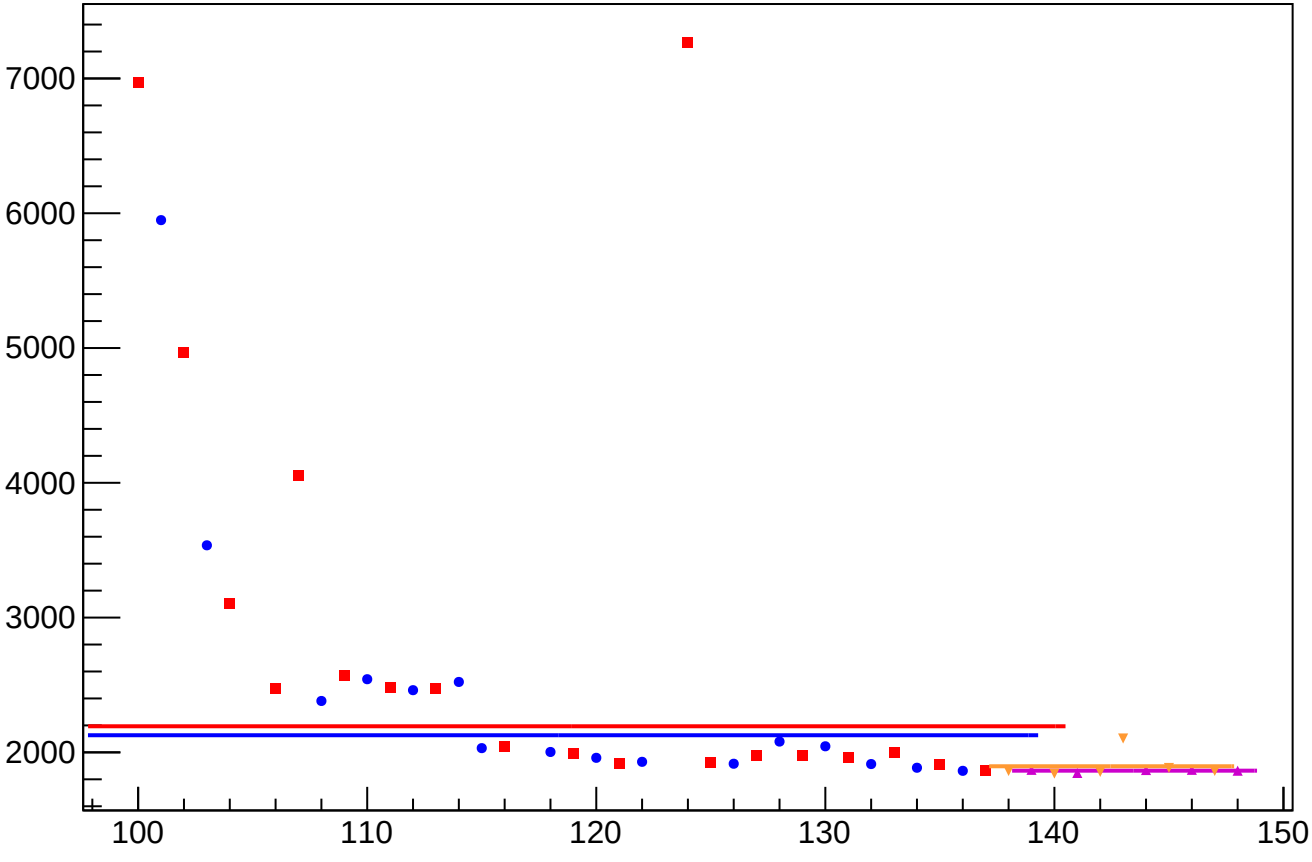
Left In: 1254.345+/-891.196 χ^2/NDF:7.7/4

+ sign -245.804+/-602.138 χ^2/NDF: 24.8/21

All: 242.947+/-427.838 χ^2/NDF: 50.1/45

- sign 741.279+/-608.012 χ^2/NDF: 23.9/23

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

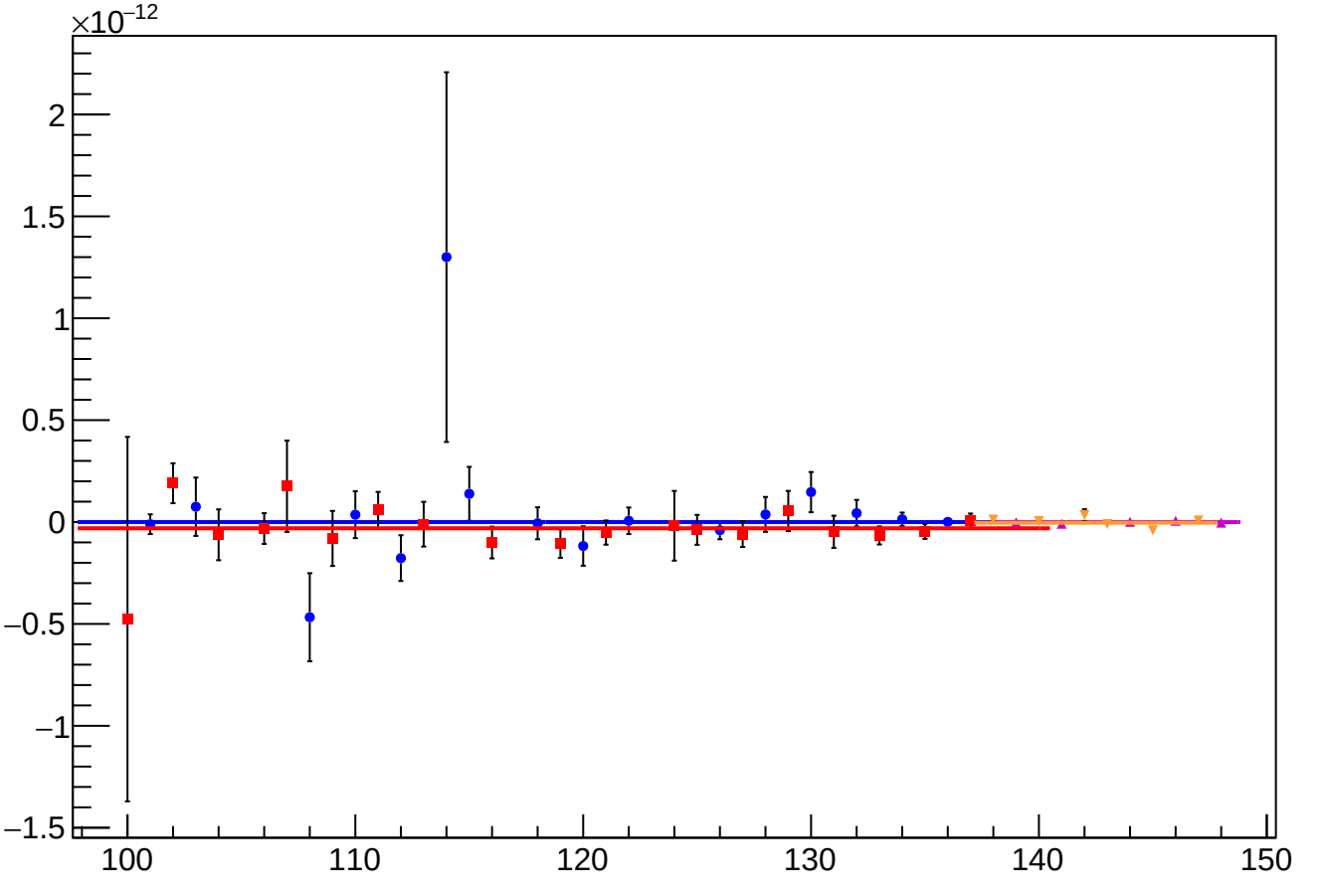
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.134+/-0.630 χ^2/NDF:199.5/4

+ sign 2022.382+/-0.426 χ^2/NDF: 966352.0/21

All: 2031.218+/-0.303 χ^2/NDF: 2056080.3/45

- sign 2040.228+/-0.430 χ^2/NDF: 1088858.5/23



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

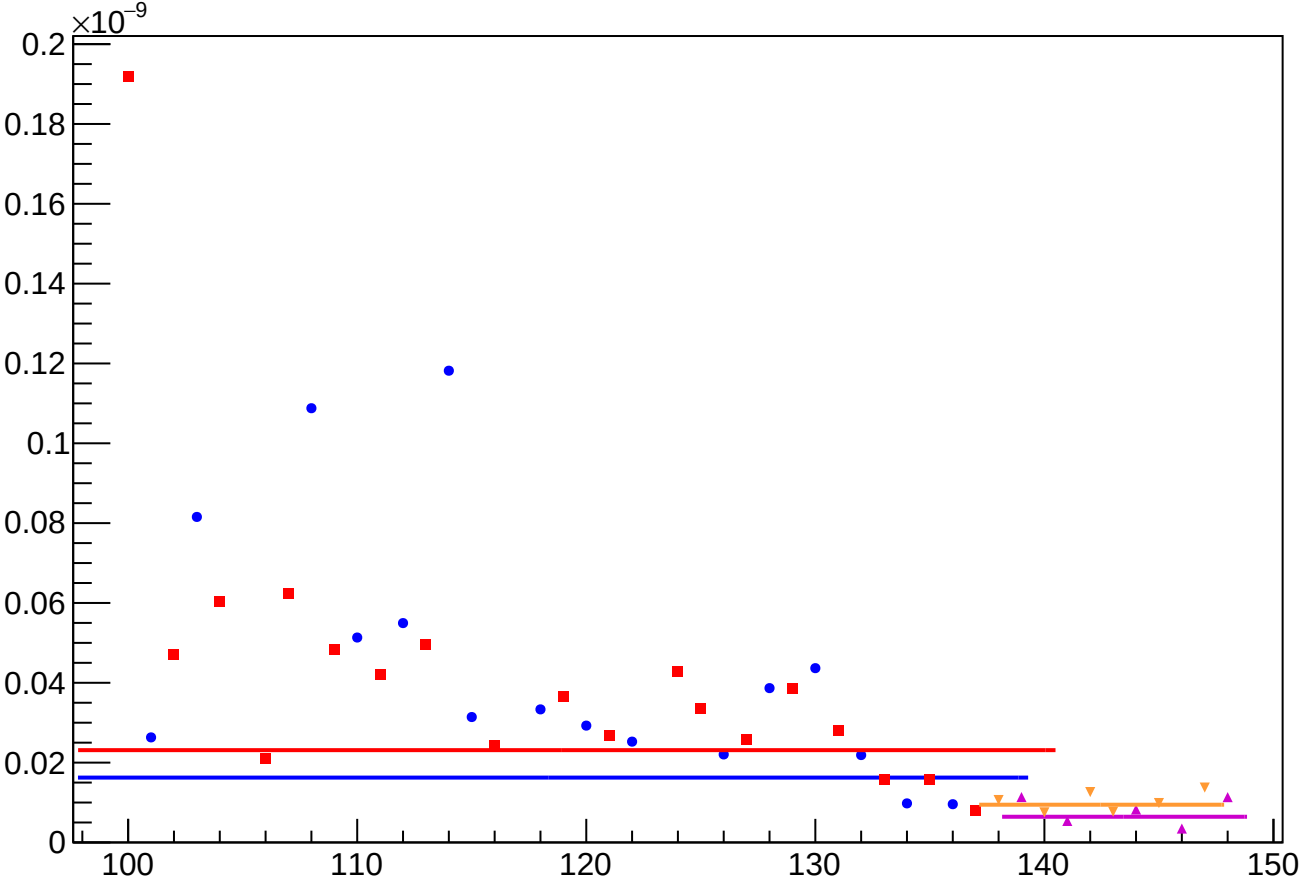
Left In: -0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.4/45

- sign -0.000+/-0.000 χ^2/NDF: 16.7/23

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

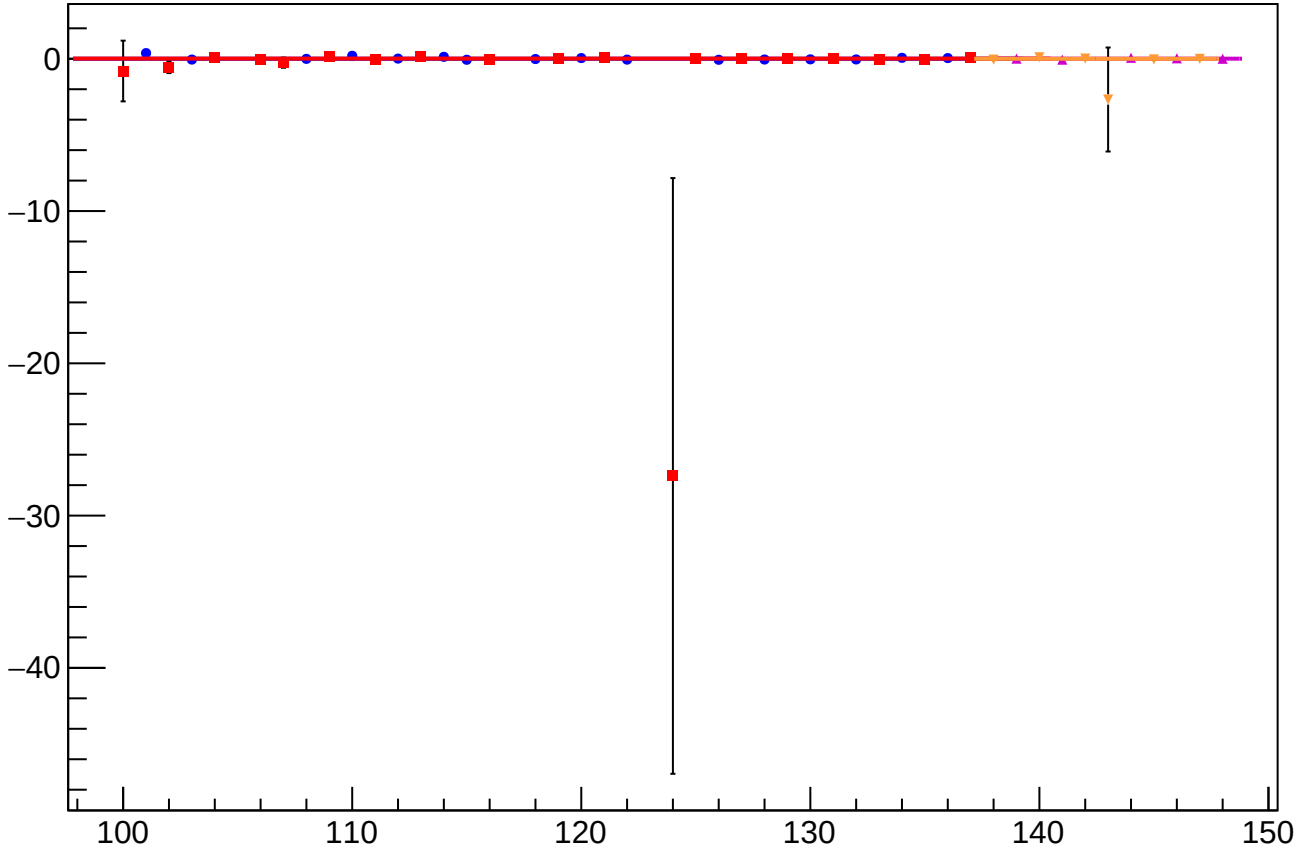
Left In: 0.000+/-0.000 χ^2/NDF:506090.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2929998.4/21

All: 0.000+/-0.000 χ^2/NDF: 7056625.8/45

- sign 0.000+/-0.000 χ^2/NDF: 3896411.9/23

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

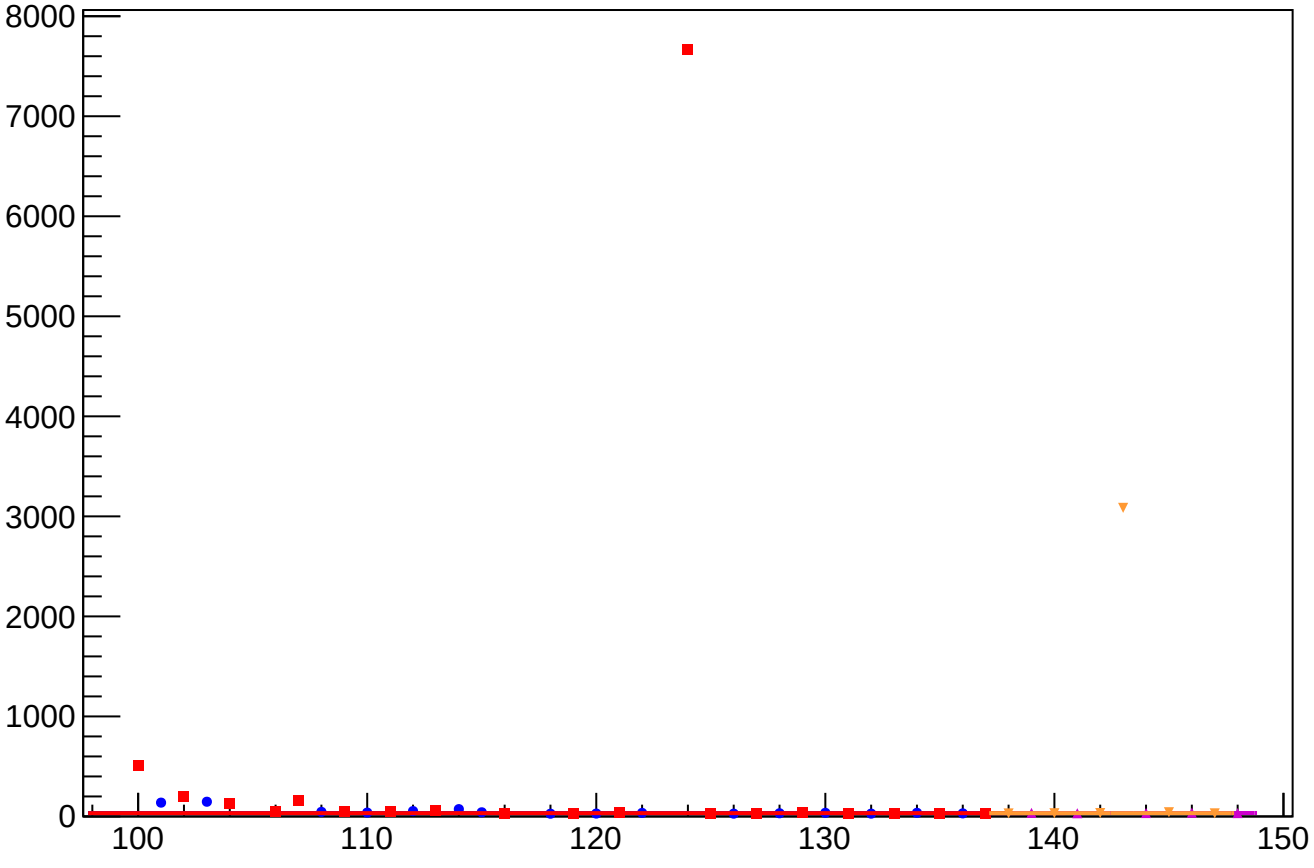
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.005+/-0.008 χ^2/NDF: 51.2/45

- sign 0.009+/-0.011 χ^2/NDF: 20.1/23

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

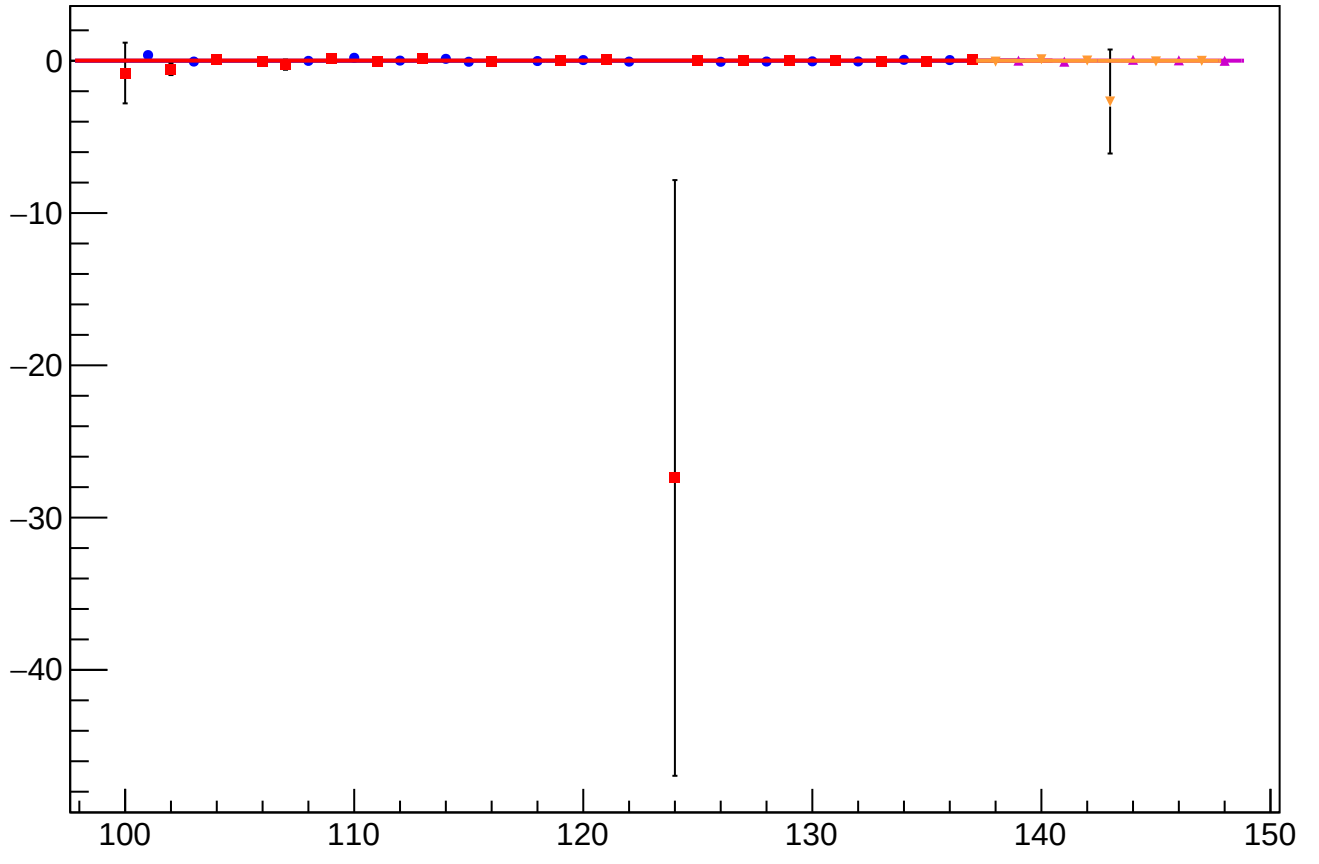
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

+ sign 33.679+/-0.008 χ^2/NDF: 3405465.7/21

All: 33.681+/-0.006 χ^2/NDF: 5508080.9/45

- sign 33.683+/-0.008 χ^2/NDF: 2102615.0/23



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

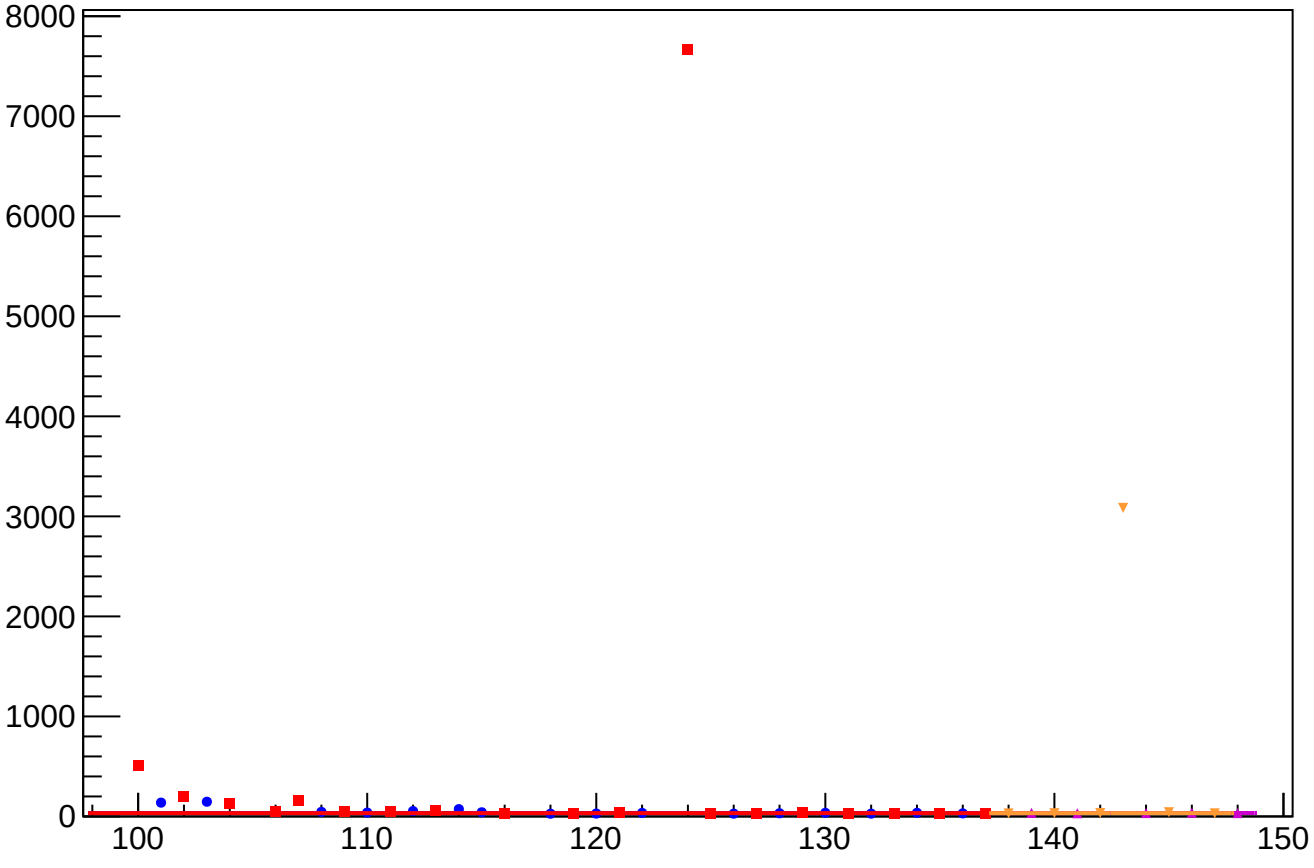
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

\+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.005+/-0.008 χ^2/NDF: 51.2/45

\- sign 0.009+/-0.011 χ^2/NDF: 20.1/23

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

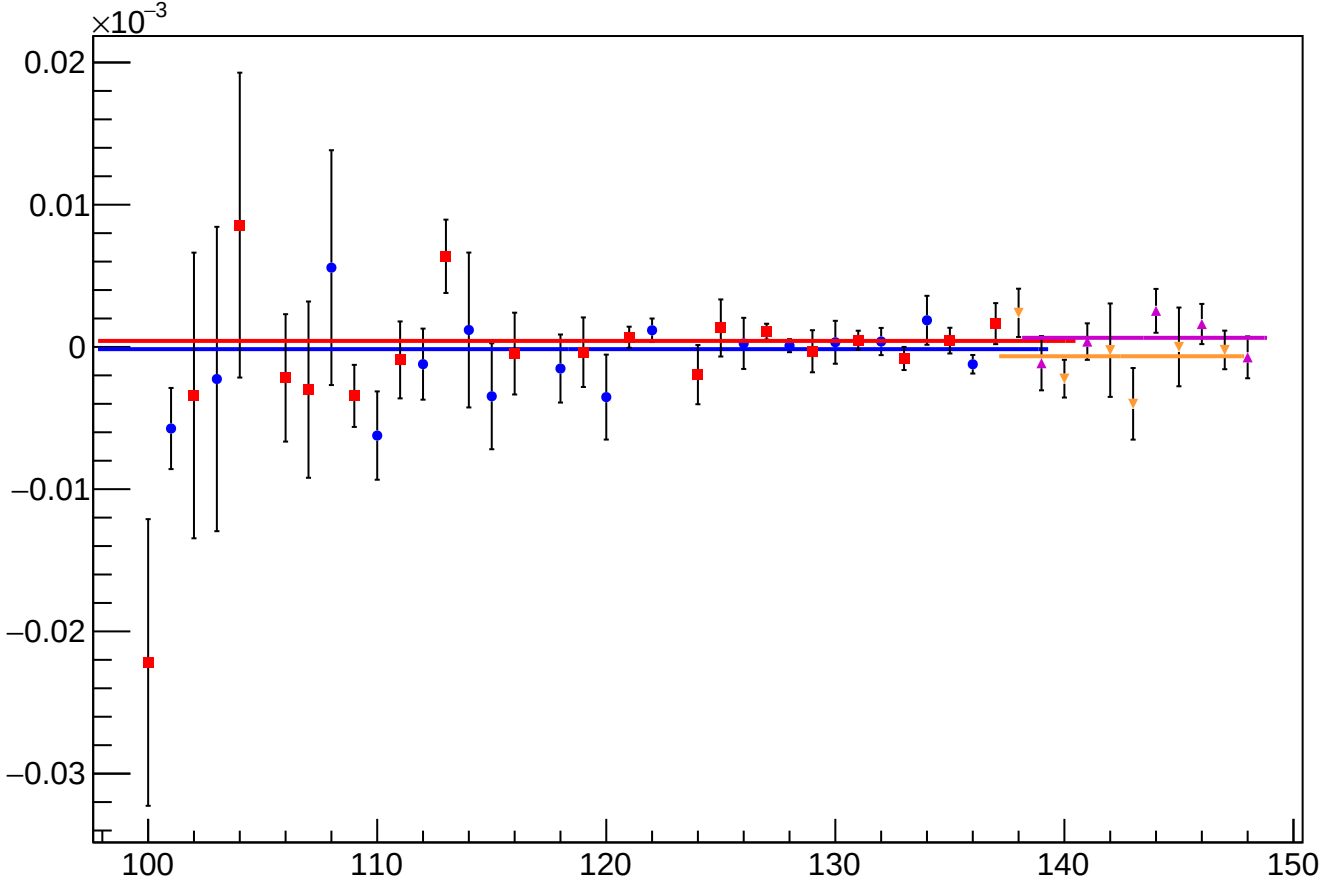
Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

+ sign 33.679+/-0.008 χ^2/NDF: 3405465.7/21

All: 33.681+/-0.006 χ^2/NDF: 5508080.9/45

- sign 33.683+/-0.008 χ^2/NDF: 2102615.0/23

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/5

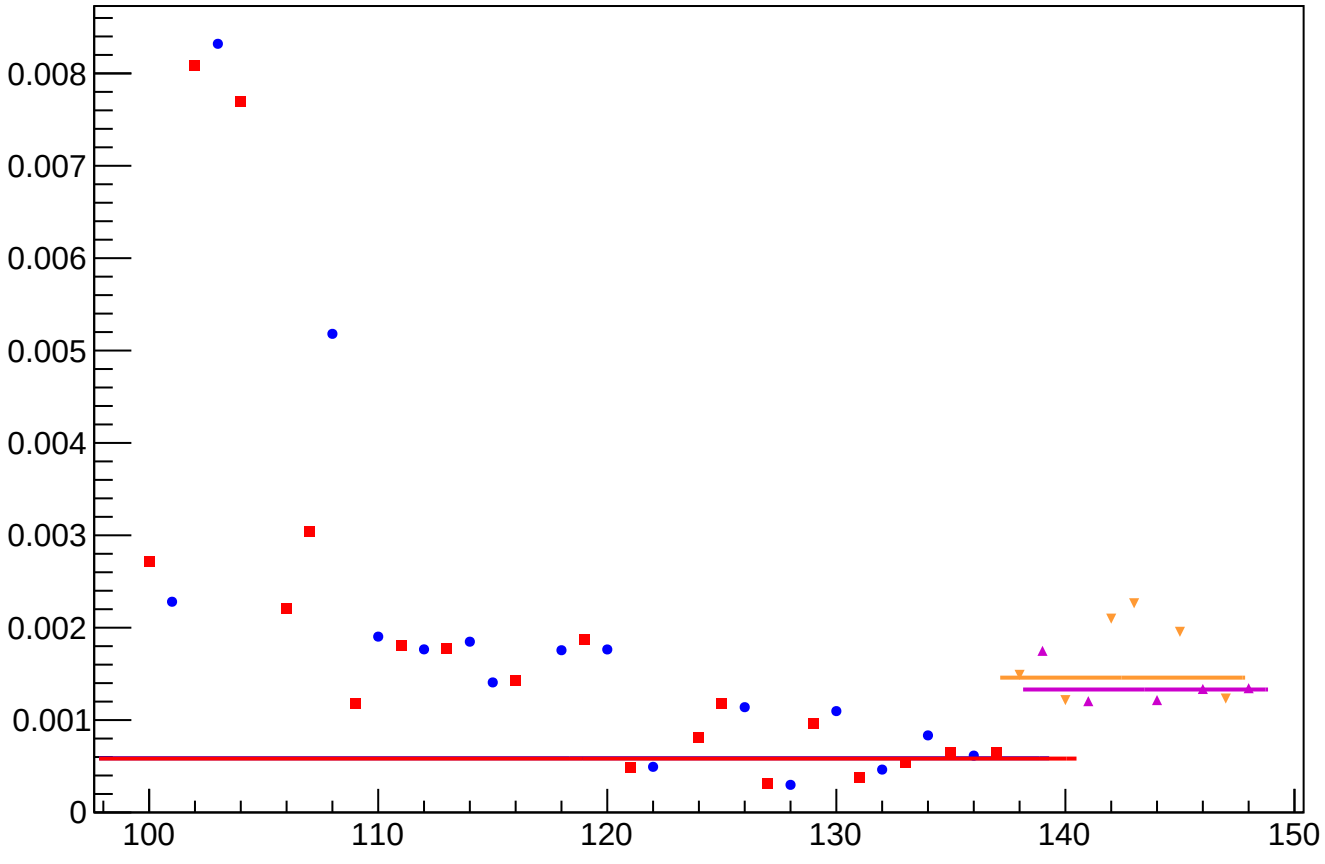
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/21

All: 0.000+/-0.000 χ^2/NDF: 53.8/45

- sign 0.000+/-0.000 χ^2/NDF: 25.4/23



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:468005.7/5

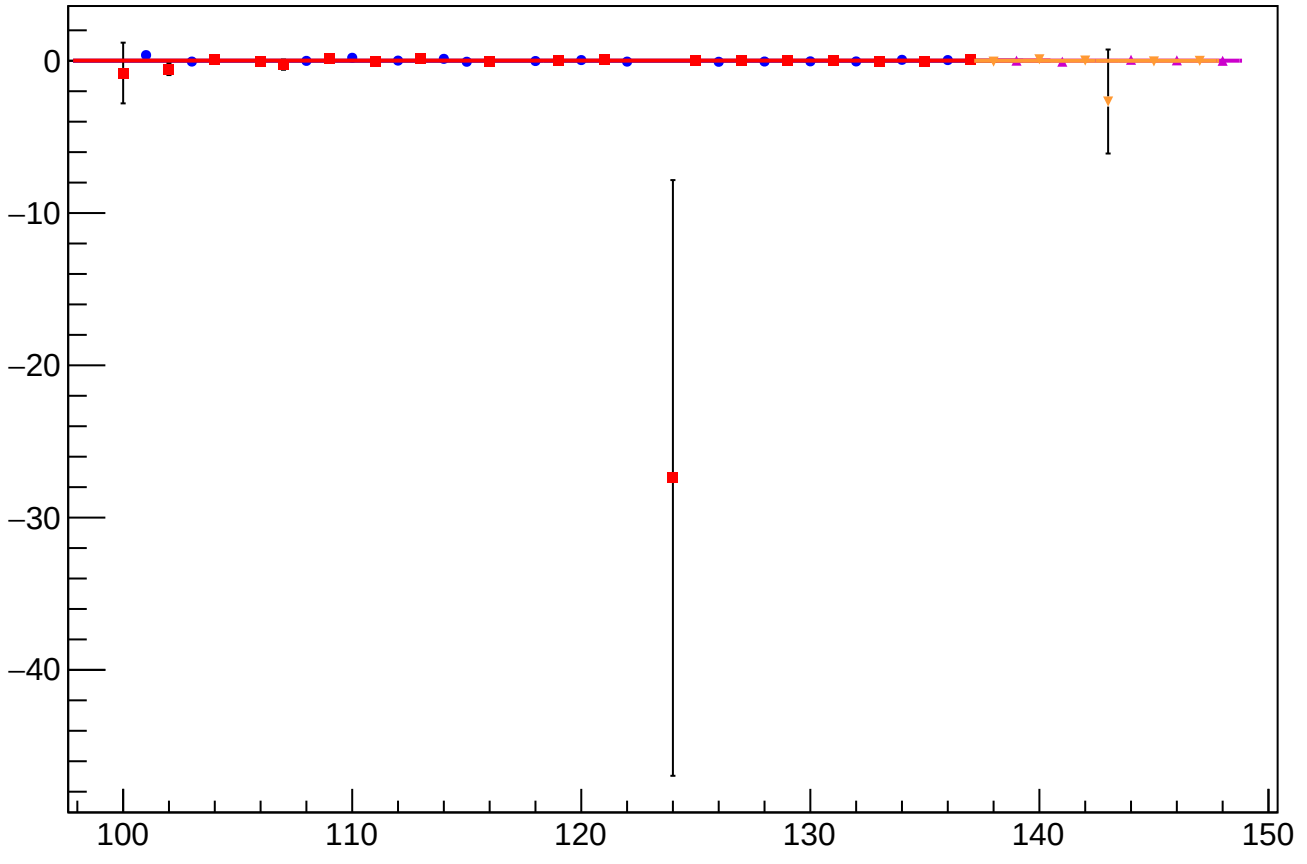
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126953.7/4

+ sign 0.001+/-0.000 χ^2/NDF: 8370815.4/21

All: 0.001+/-0.000 χ^2/NDF: 16069562.4/45

- sign 0.001+/-0.000 χ^2/NDF: 7698094.3/23



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

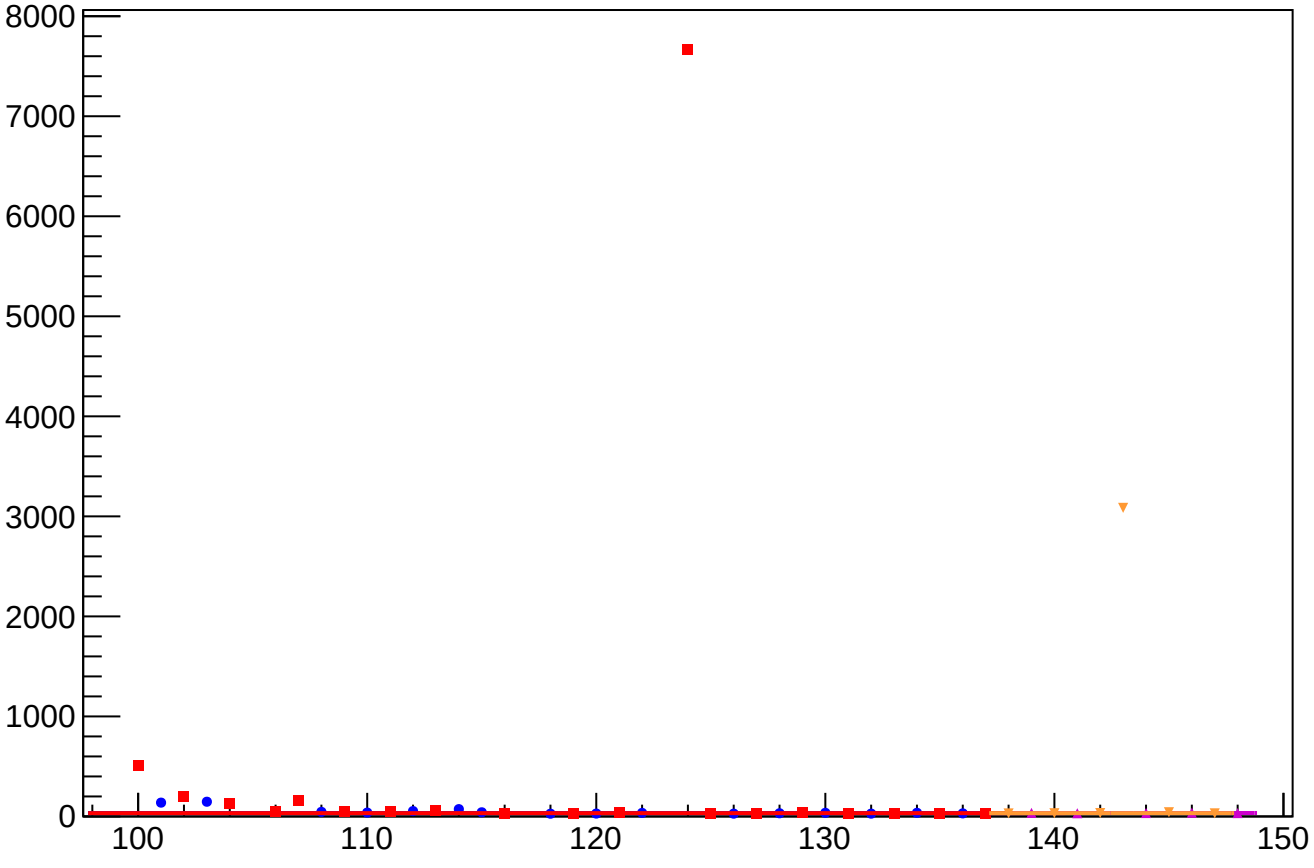
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.005+/-0.008 χ^2/NDF: 51.2/45

- sign 0.009+/-0.011 χ^2/NDF: 20.1/23

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

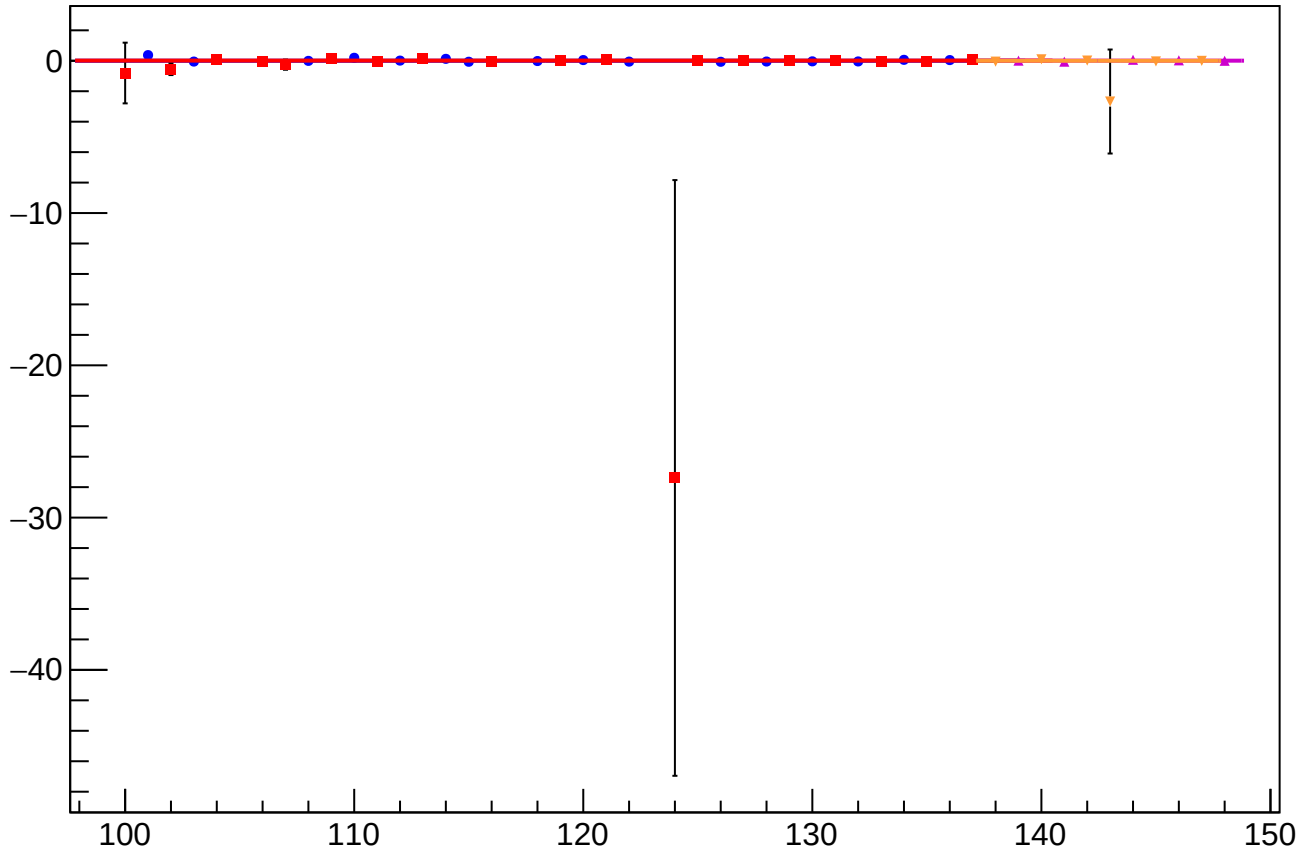
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

+ sign 33.679+/-0.008 χ^2/NDF: 3405458.5/21

All: 33.681+/-0.006 χ^2/NDF: 5508058.7/45

- sign 33.683+/-0.008 χ^2/NDF: 2102600.1/23



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

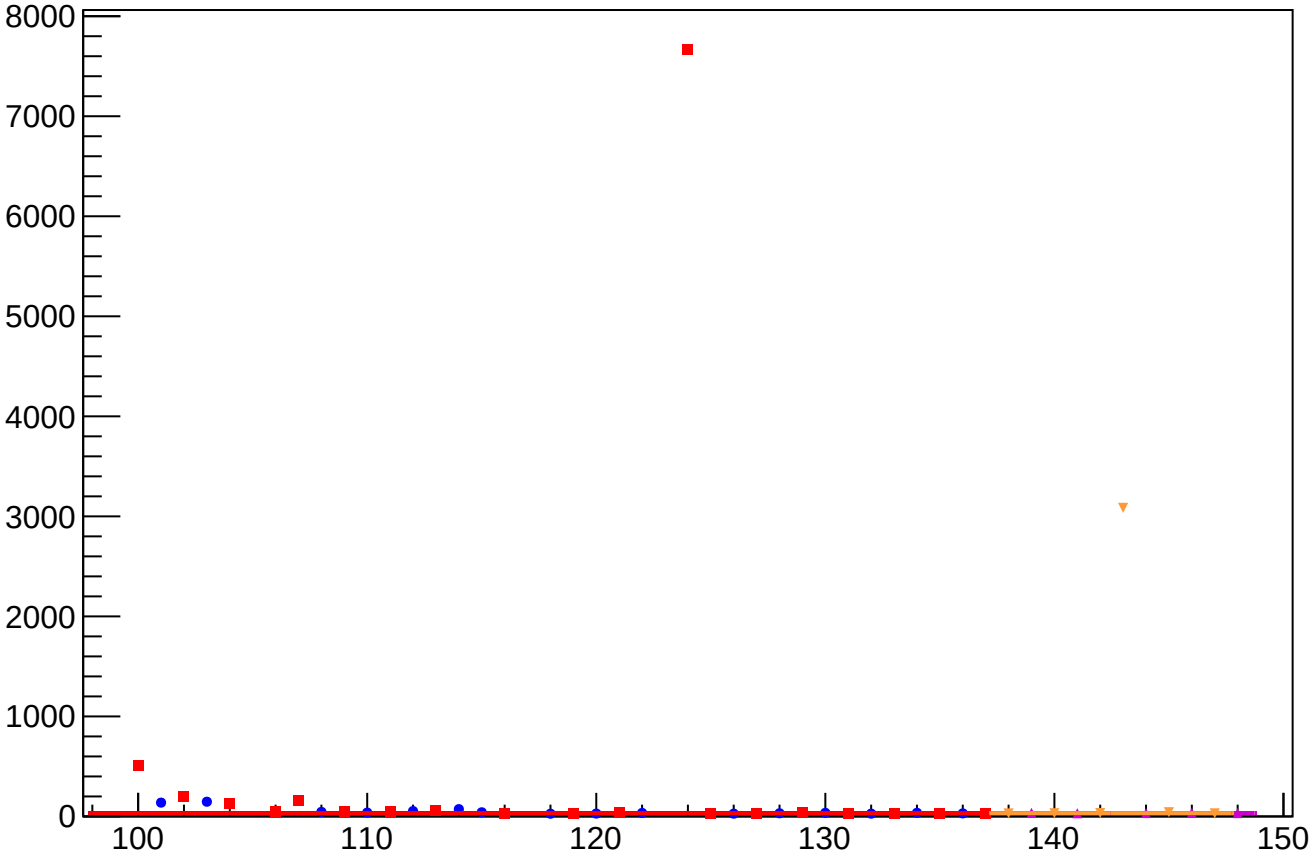
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign 0.001+/-0.012 χ^2/NDF: 30.9/21

All: 0.005+/-0.008 χ^2/NDF: 51.2/45

- sign 0.009+/-0.011 χ^2/NDF: 20.1/23

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

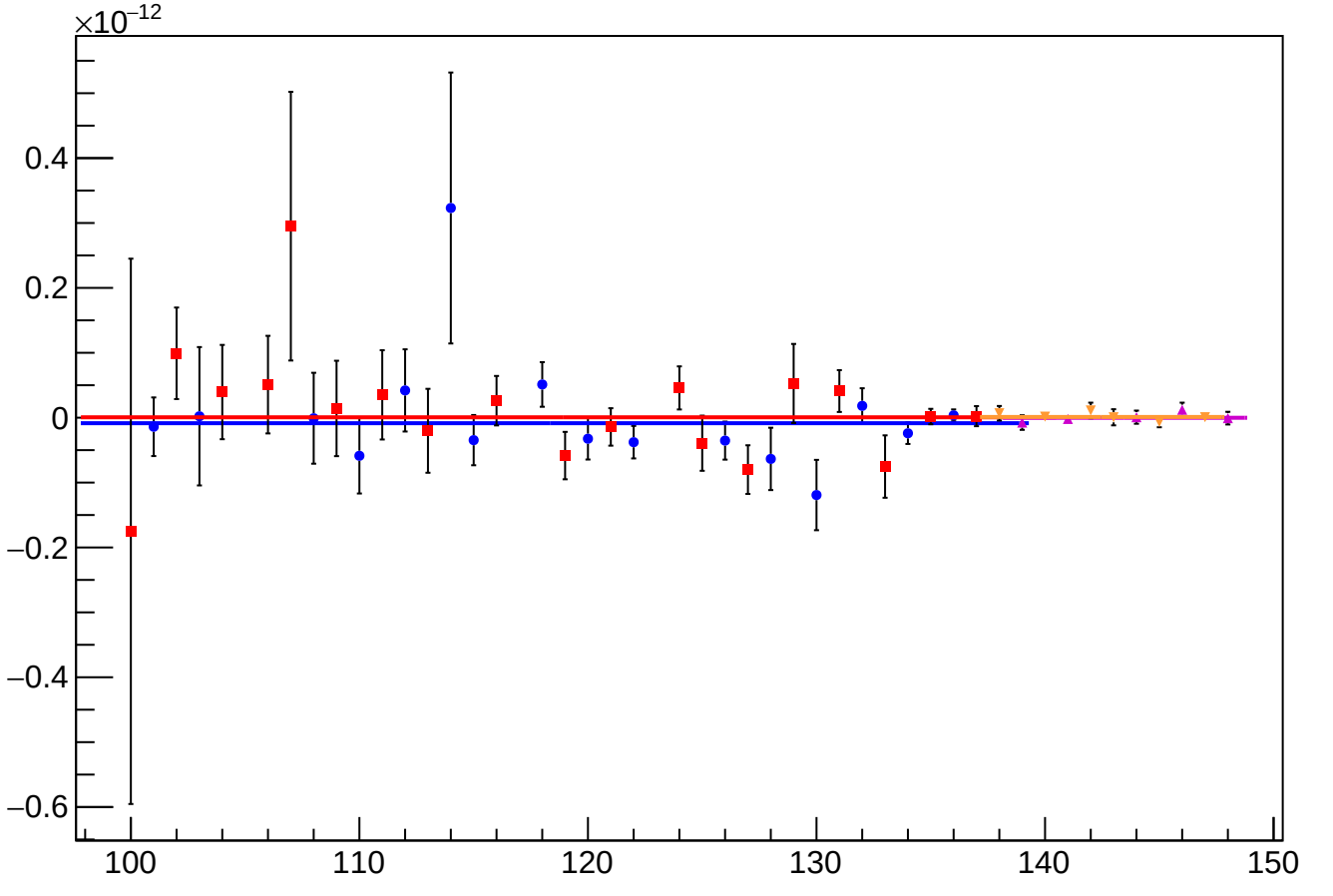
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

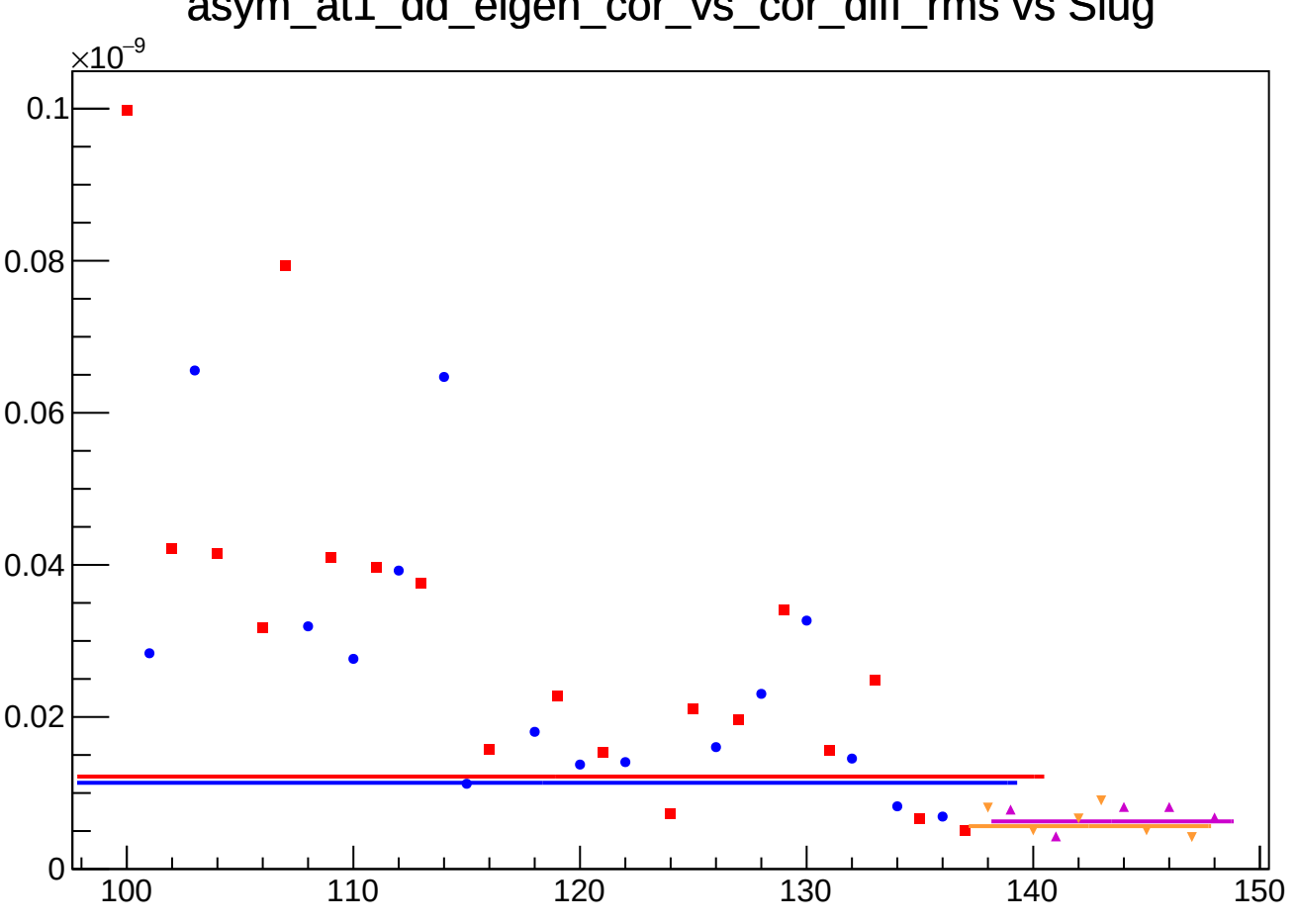
Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

+ sign 33.679+/-0.008 χ^2/NDF: 3405458.5/21

All: 33.681+/-0.006 χ^2/NDF: 5508058.7/45

- sign 33.683+/-0.008 χ^2/NDF: 2102600.1/23


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:1.8/4
+ sign -0.000+/-0.000 χ²/NDF: 22.8/21
All: -0.000+/-0.000 χ²/NDF: 45.5/45
- sign 0.000+/-0.000 χ²/NDF: 22.6/23



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

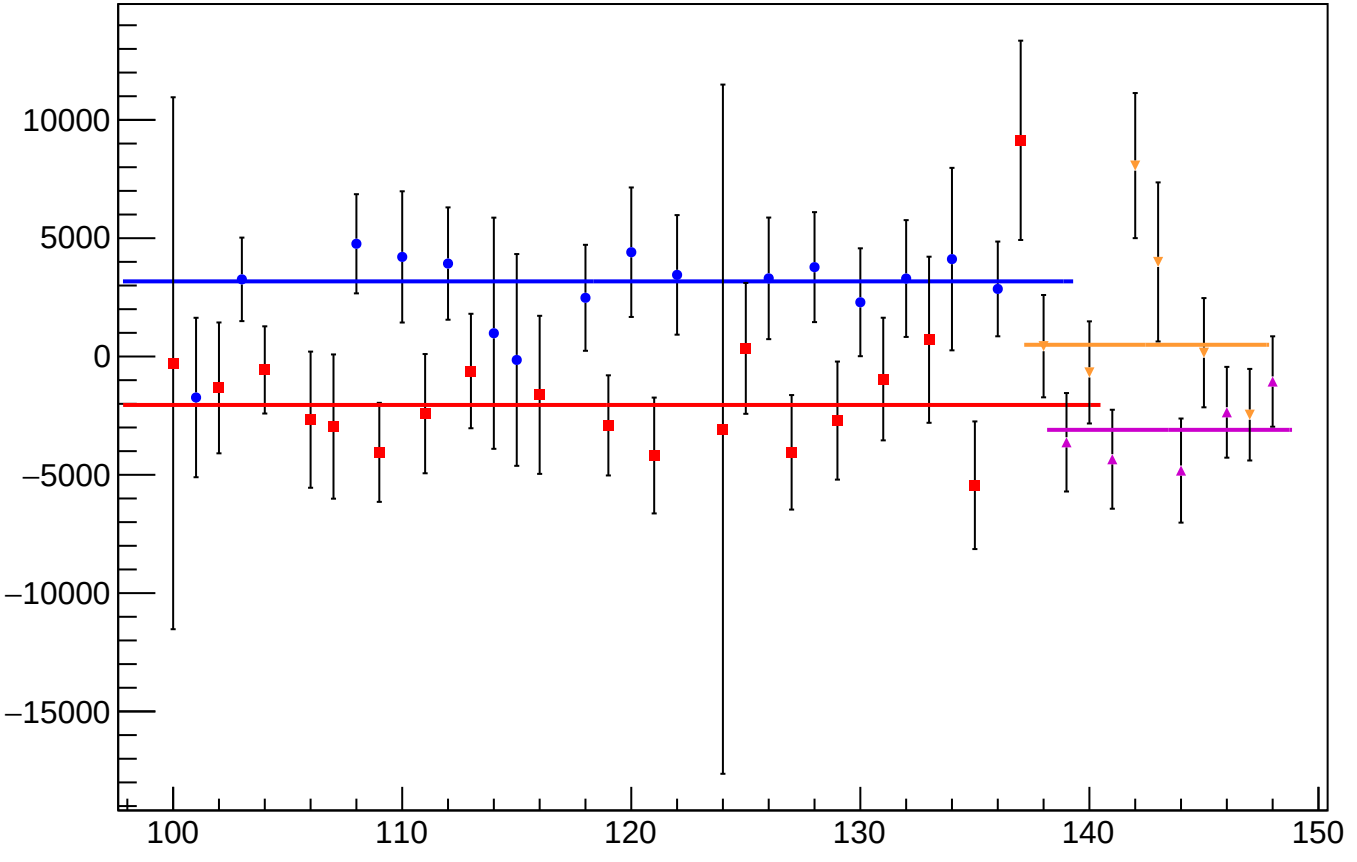
Left In: 0.000+/-0.000 χ^2/NDF:379455.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 4382124.3/21

All: 0.000+/-0.000 χ^2/NDF: 9571646.3/45

- sign 0.000+/-0.000 χ^2/NDF: 5151274.4/23

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

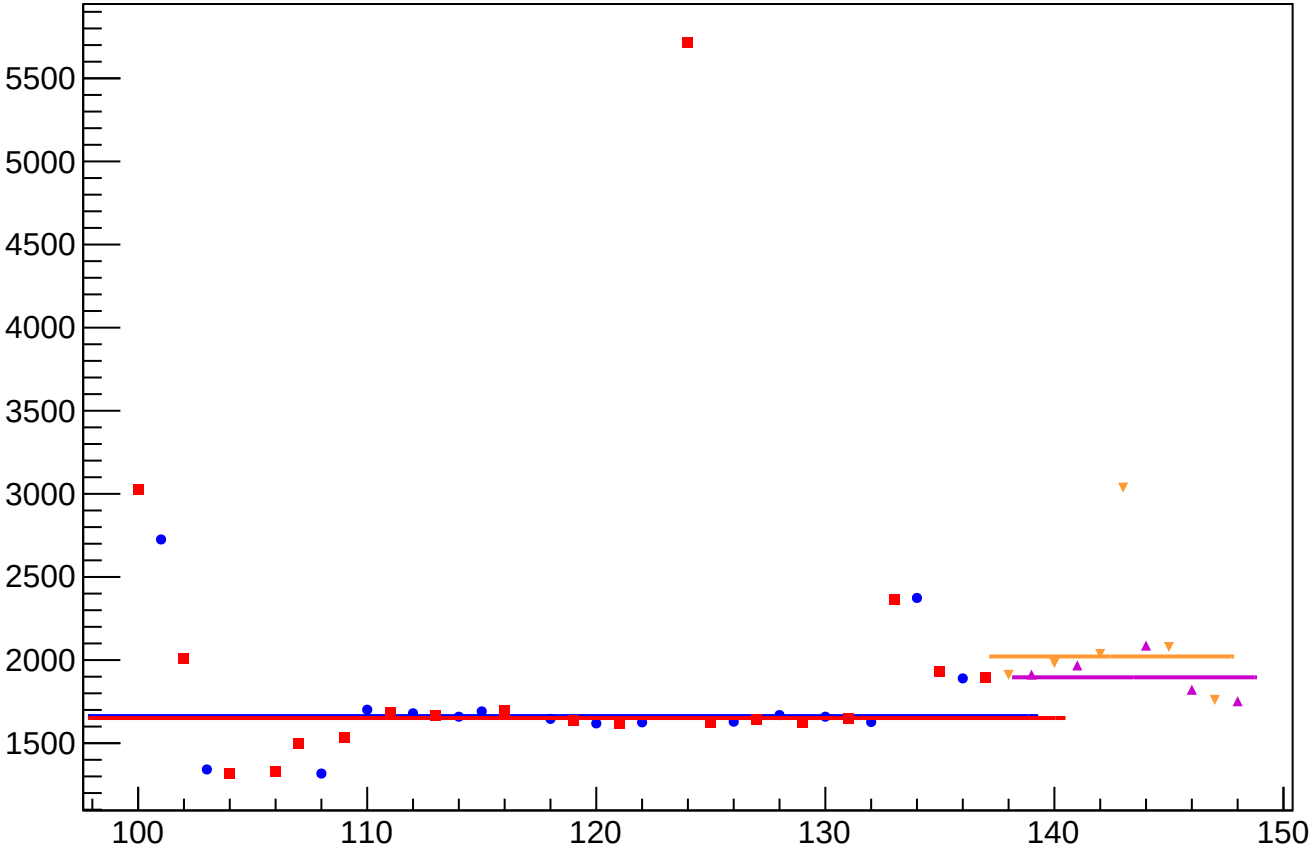
Left In: -3099.605+/-908.475 χ^2/NDF:2.3/4

+ sign 2376.057+/-526.044 χ^2/NDF: 19.6/21

All: -63.360+/-367.253 χ^2/NDF: 78.8/45

- sign -2382.851+/-512.951 χ^2/NDF: 17.3/23

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

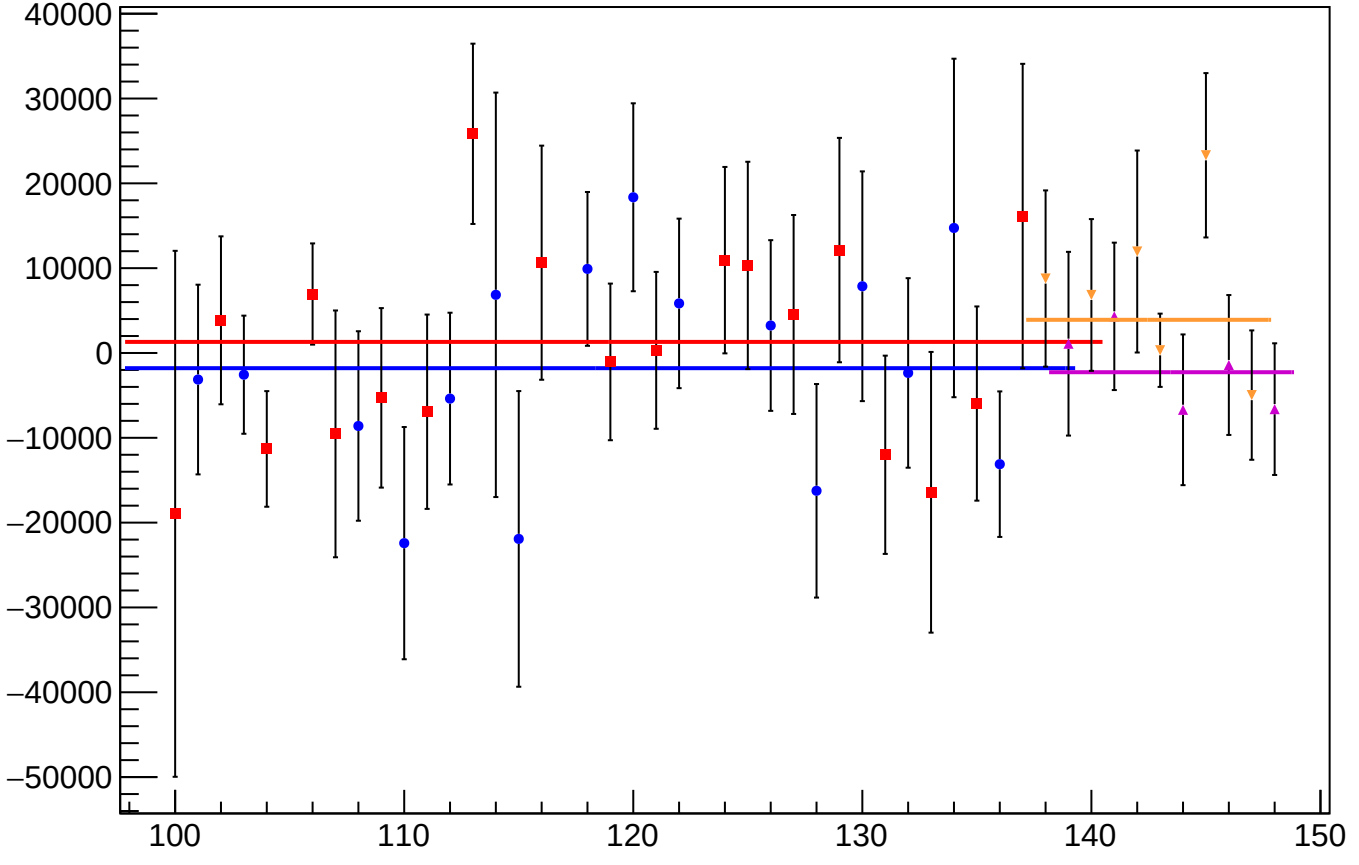
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1769.914+/-0.372 χ^2/NDF: 836577.7/21

All: 1749.161+/-0.260 χ^2/NDF: 1405563.4/45

- sign 1729.428+/-0.363 χ^2/NDF: 562913.1/23

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

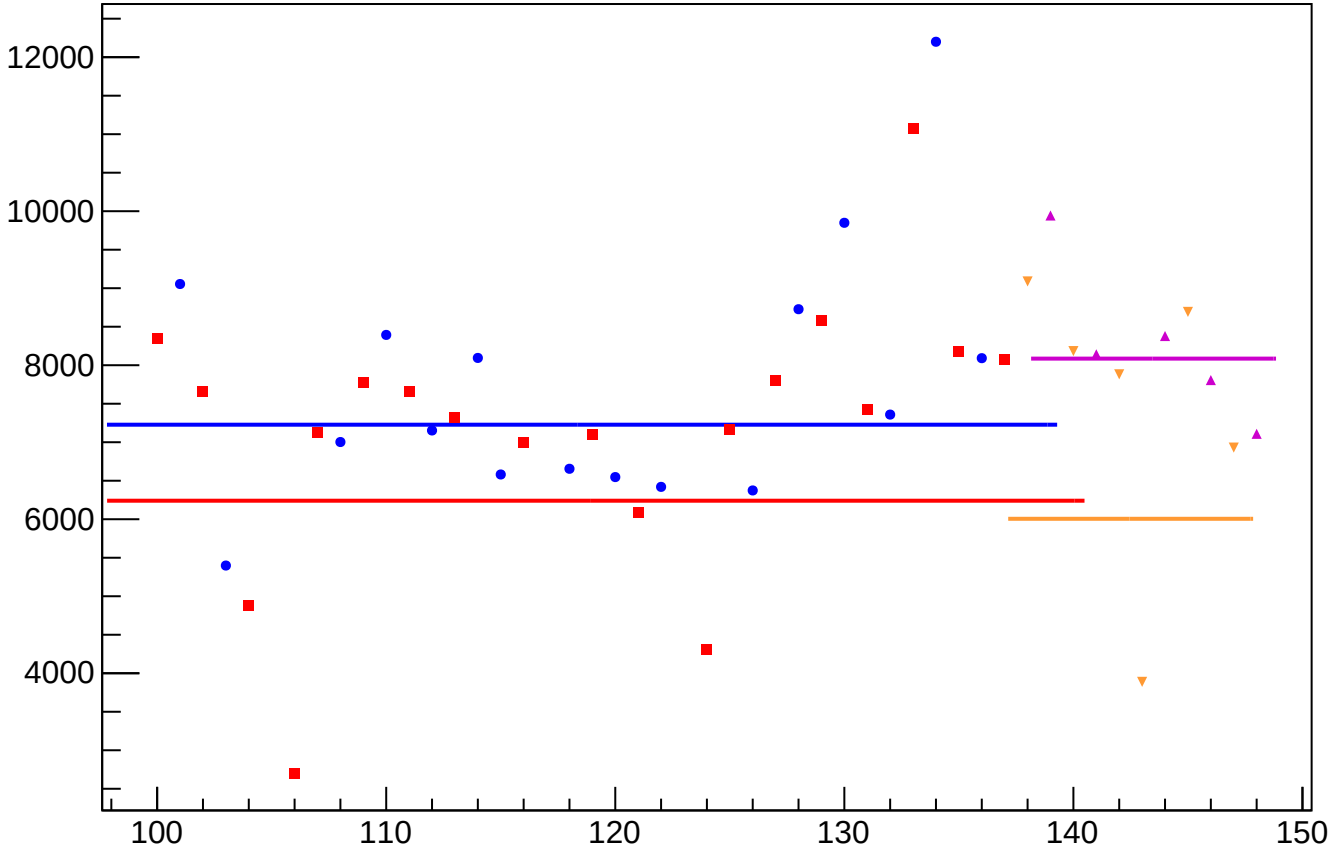
Left In: -2267.374+/-3900.189 χ^2/NDF:1.2/4

+ sign 795.579+/-2028.041 χ^2/NDF: 23.1/21

All: 555.375+/-1446.065 χ^2/NDF: 42.7/45

- sign 306.942+/-2062.483 χ^2/NDF: 19.6/23

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

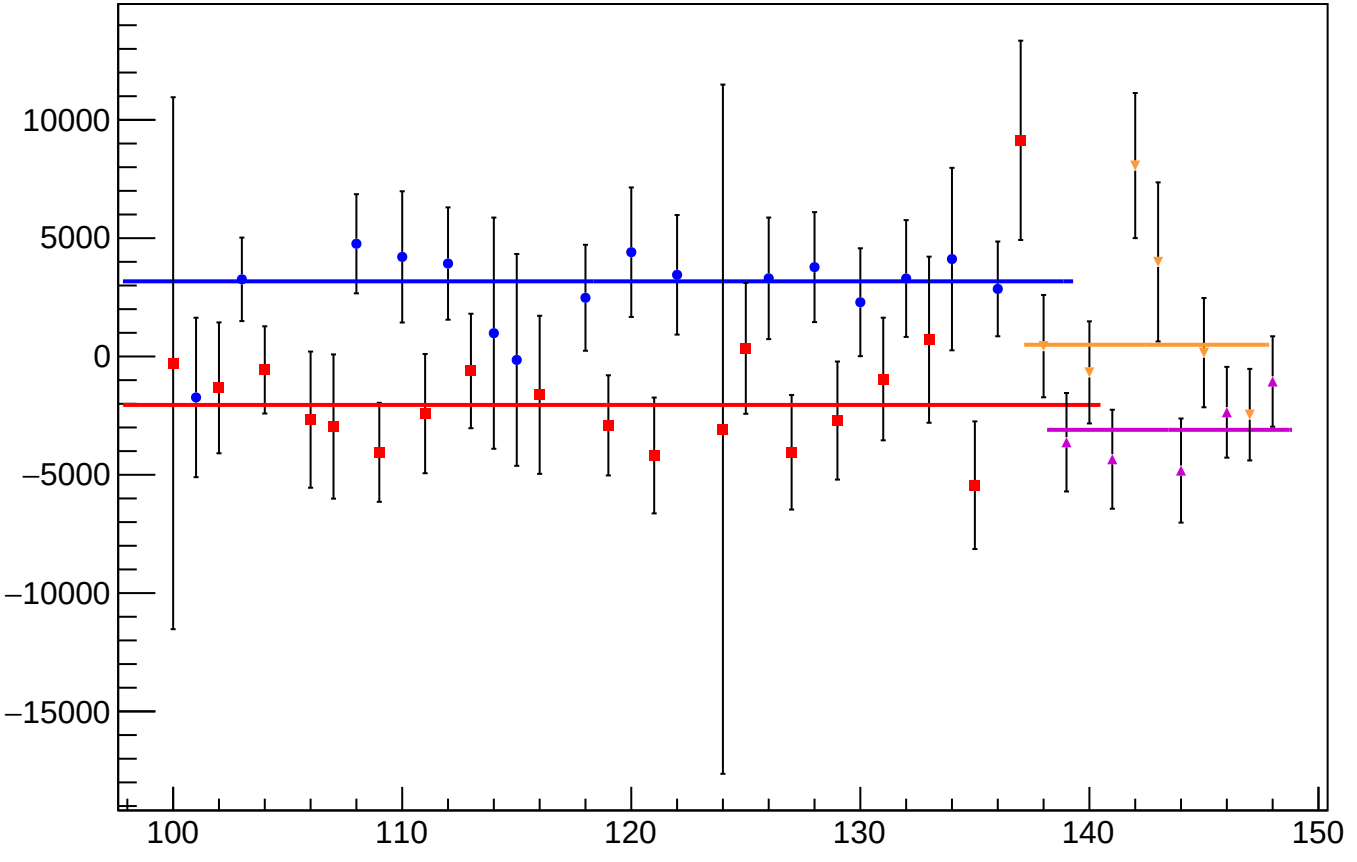
Left In: 8085.765+/-2.758 χ^2/NDF:95081.7/4

+ sign 6673.351+/-1.434 χ^2/NDF: 1691425.5/21

All: 6714.256+/-1.023 χ^2/NDF: 3509714.2/45

- sign 6756.563+/-1.458 χ^2/NDF: 1816633.5/23

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

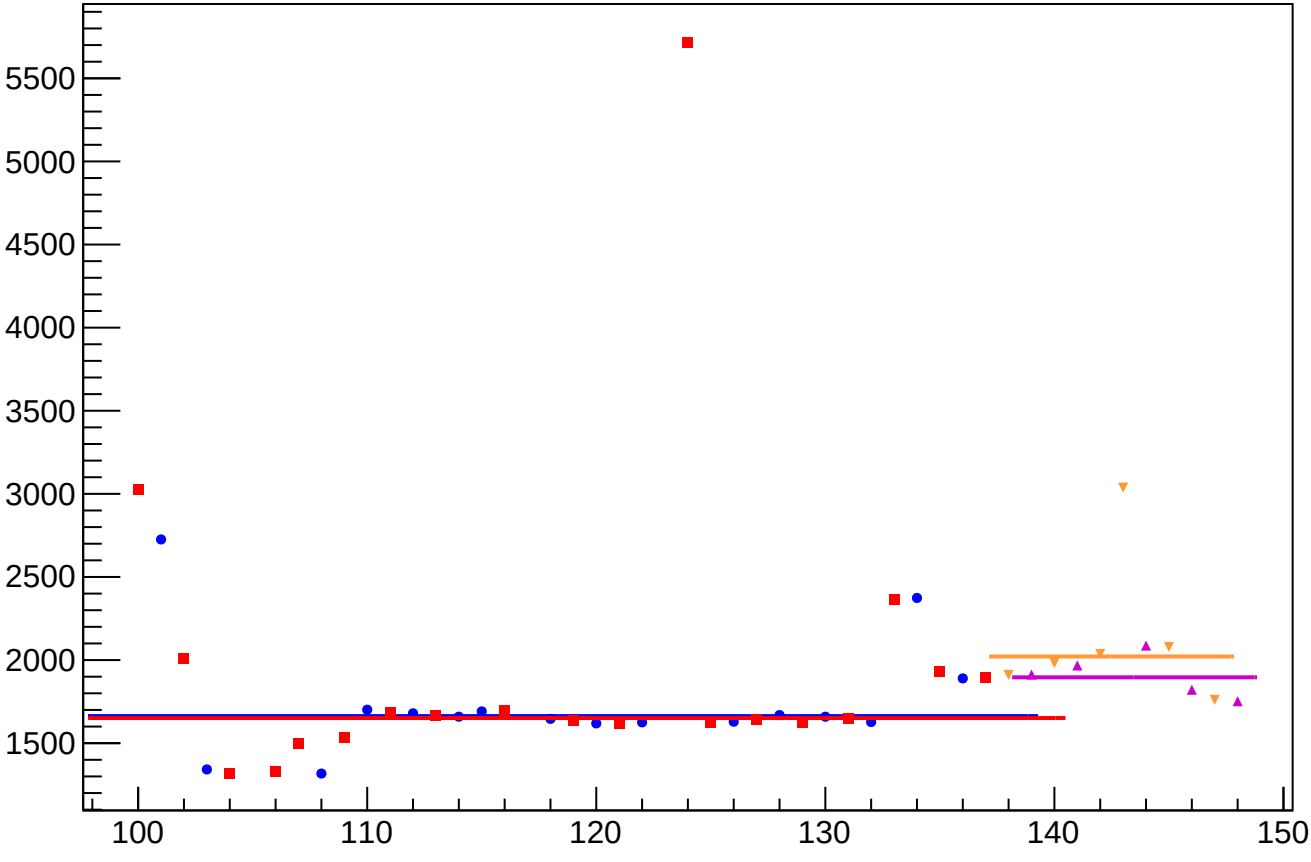
Left In: -3099.860+/-908.475 χ^2/NDF:2.3/4

+ sign 2376.161+/-526.044 χ^2/NDF: 19.6/21

All: -63.283+/-367.253 χ^2/NDF: 78.8/45

- sign -2382.799+/-512.951 χ^2/NDF: 17.3/23

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

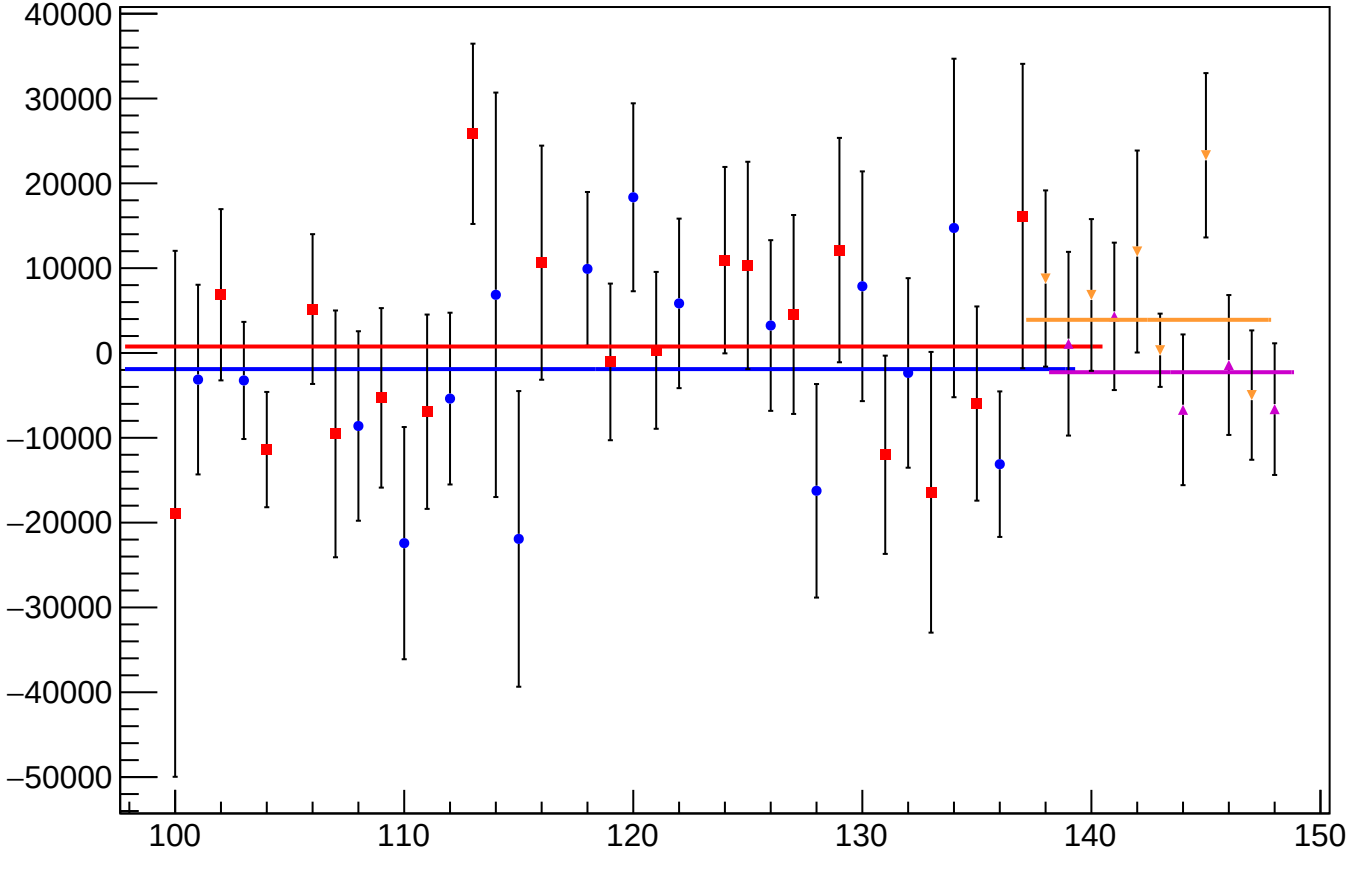
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1769.914+/-0.372 χ^2/NDF: 836578.2/21

All: 1749.161+/-0.260 χ^2/NDF: 1405564.1/45

- sign 1729.428+/-0.363 χ^2/NDF: 562913.3/23

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

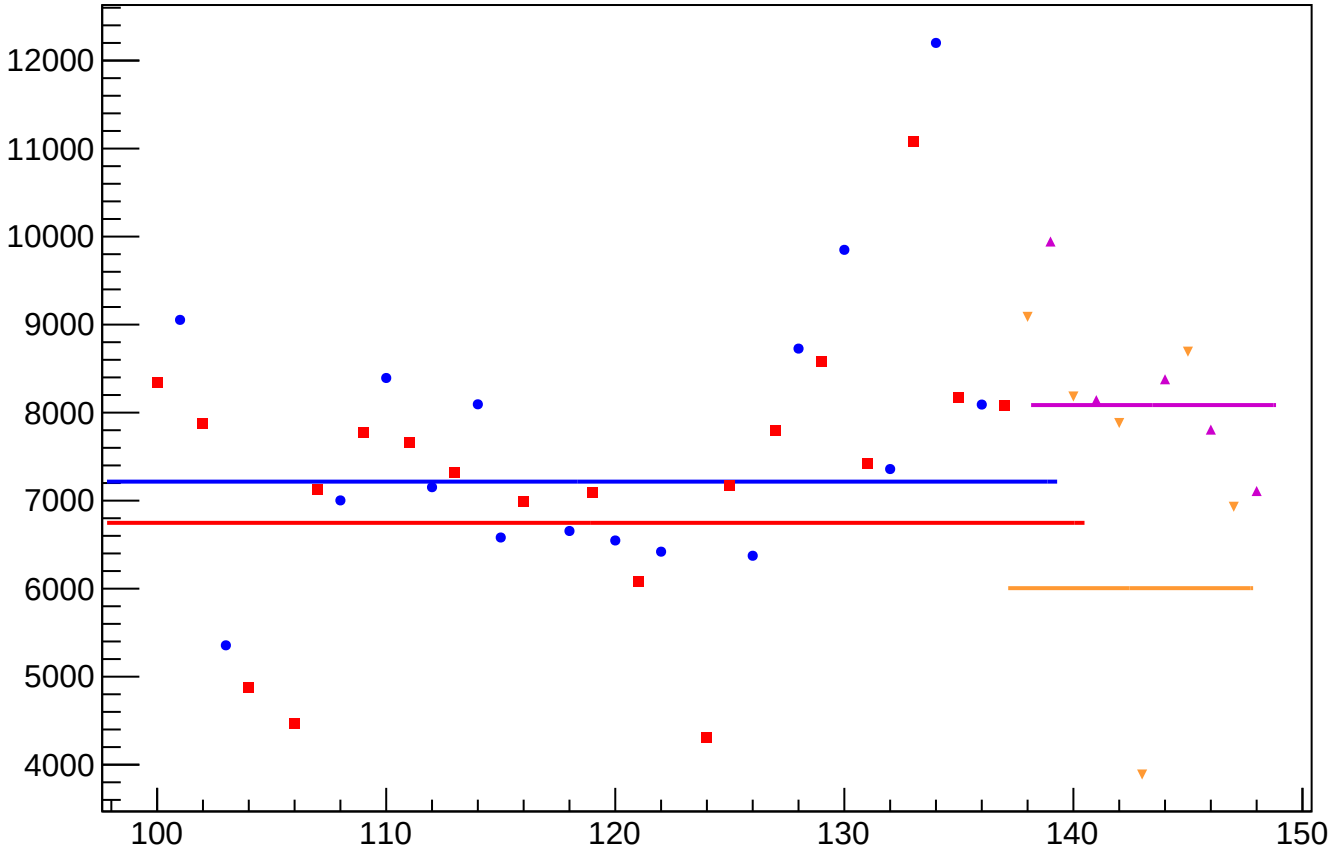
Left In: -2267.409+/-3900.186 χ^2/NDF:1.2/4

+ sign 732.075+/-2026.555 χ^2/NDF: 23.2/21

All: 316.320+/-1469.595 χ^2/NDF: 42.3/45

- sign -144.805+/-2134.270 χ^2/NDF: 18.9/23

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

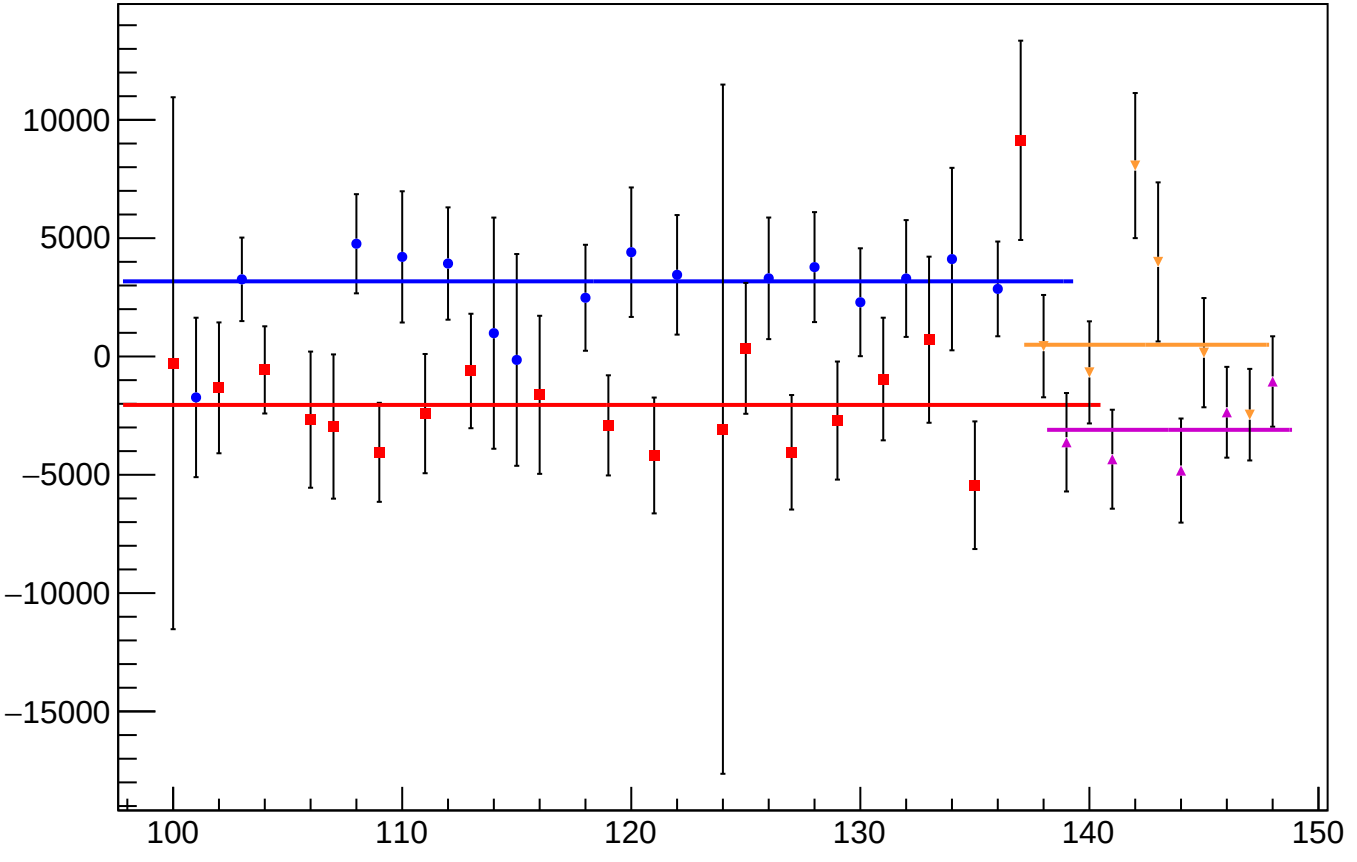
Left In: 8085.760+/-2.758 χ^2/NDF:95081.6/4

+ sign 6667.813+/-1.433 χ^2/NDF: 1697155.5/21

All: 6895.678+/-1.039 χ^2/NDF: 2719262.3/45

- sign 7148.411+/-1.509 χ^2/NDF: 968776.4/23

eigen_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

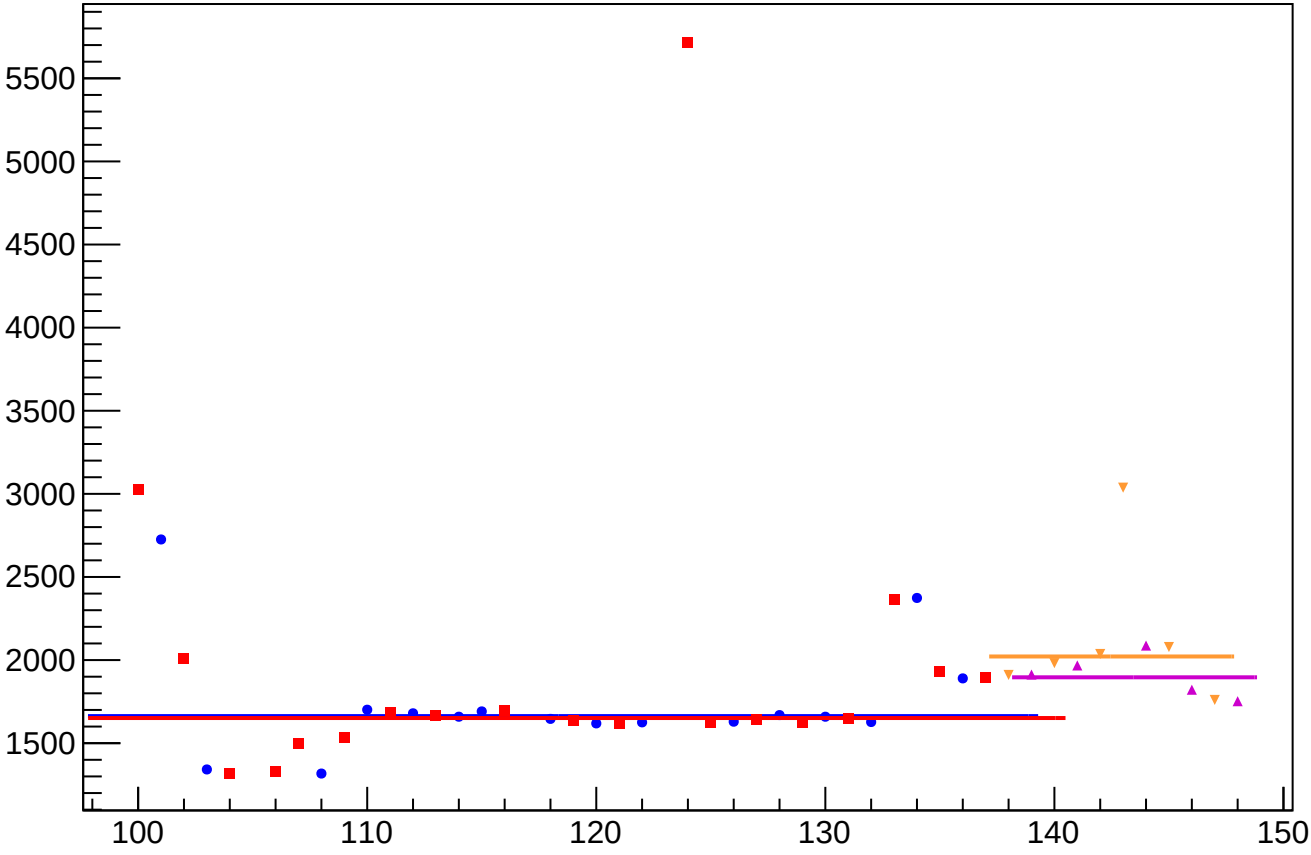
Left In: -3099.860+/-908.475 χ^2/NDF:2.3/4

+ sign 2376.161+/-526.044 χ^2/NDF: 19.6/21

All: -63.283+/-367.253 χ^2/NDF: 78.8/45

- sign -2382.799+/-512.951 χ^2/NDF: 17.3/23

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

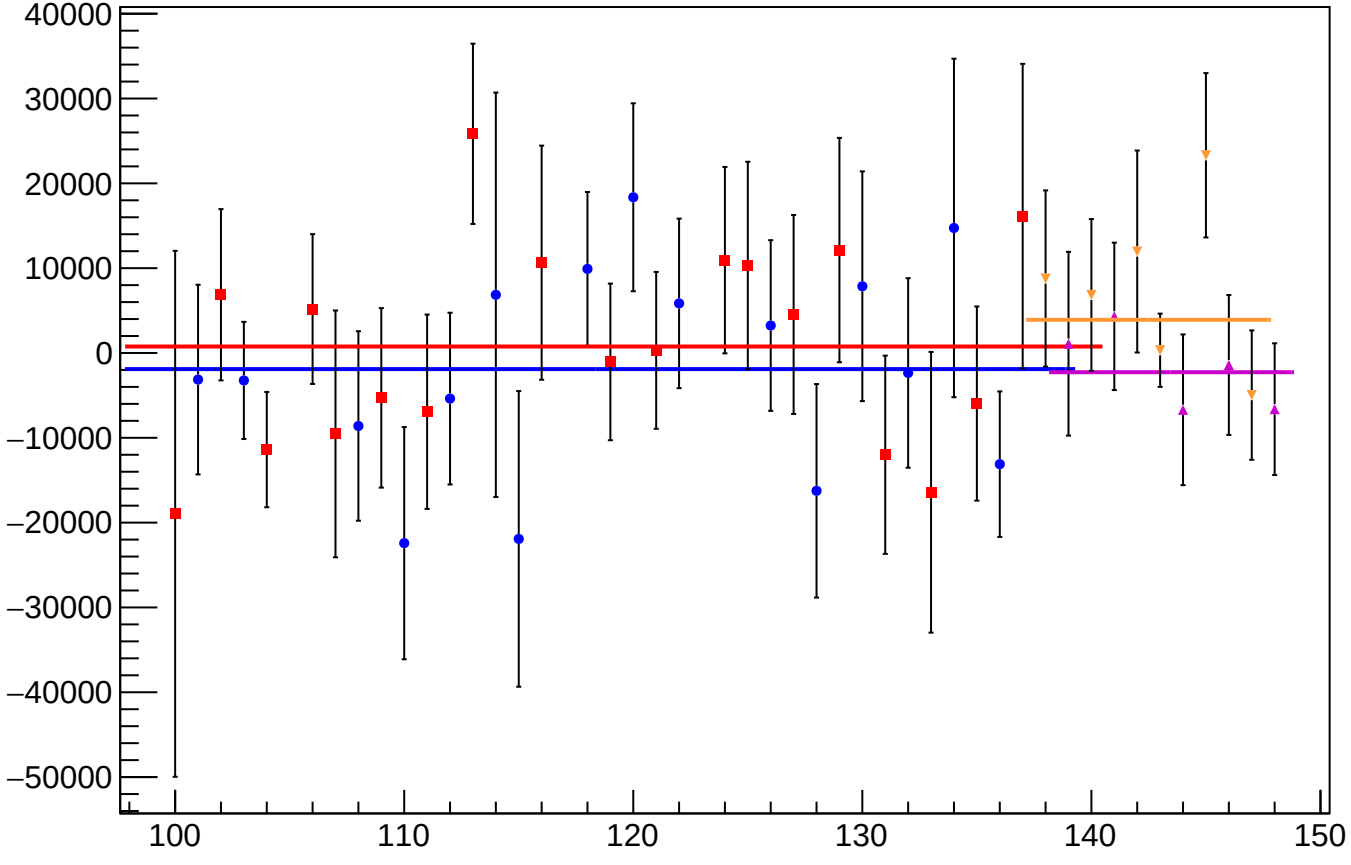
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1769.914+/-0.372 χ^2/NDF: 836578.2/21

All: 1749.161+/-0.260 χ^2/NDF: 1405564.1/45

- sign 1729.428+/-0.363 χ^2/NDF: 562913.3/23

asym_at2_avg_eigen_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

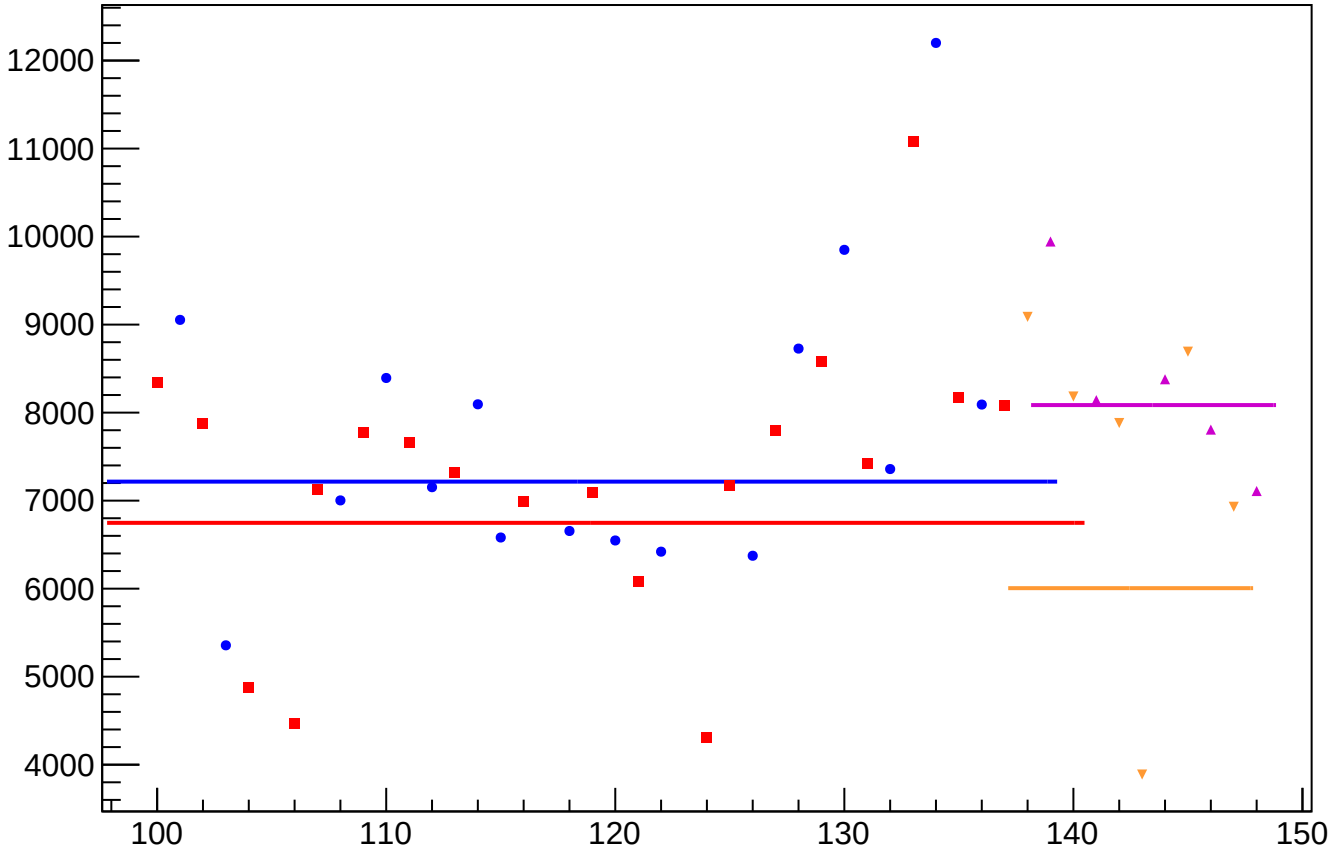
Left In: -2267.409+/-3900.186 χ^2/NDF:1.2/4

\+ sign 732.075+/-2026.555 χ^2/NDF: 23.2/21

All: 316.320+/-1469.595 χ^2/NDF: 42.3/45

\- sign -144.805+/-2134.270 χ^2/NDF: 18.9/23

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

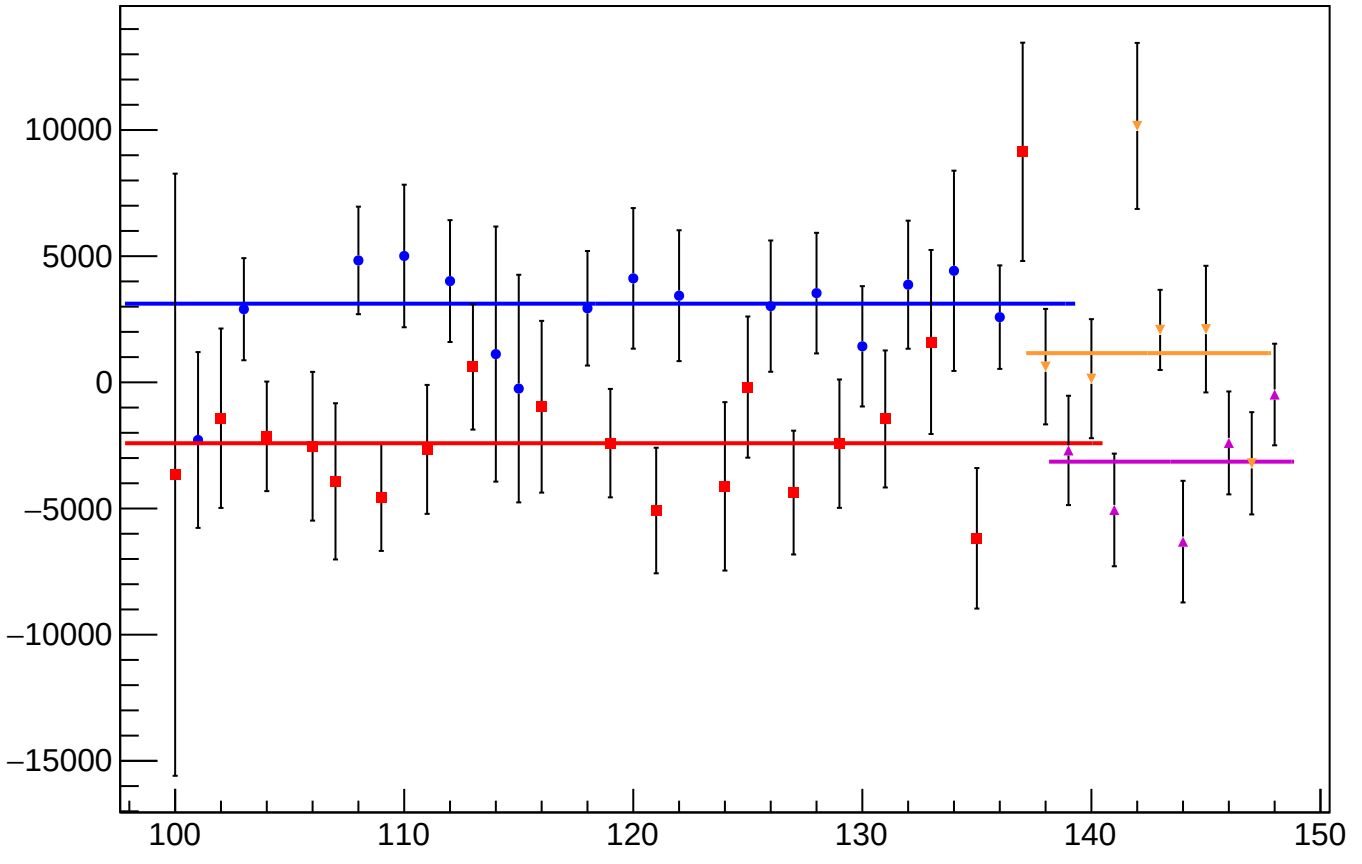
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8085.760+/-2.758 χ^2/NDF:95081.6/4

\+ sign 6667.813+/-1.433 χ^2/NDF: 1697155.5/21

All: 6895.678+/-1.039 χ^2/NDF: 2719262.3/45

\- sign 7148.411+/-1.509 χ^2/NDF: 968776.4/23



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

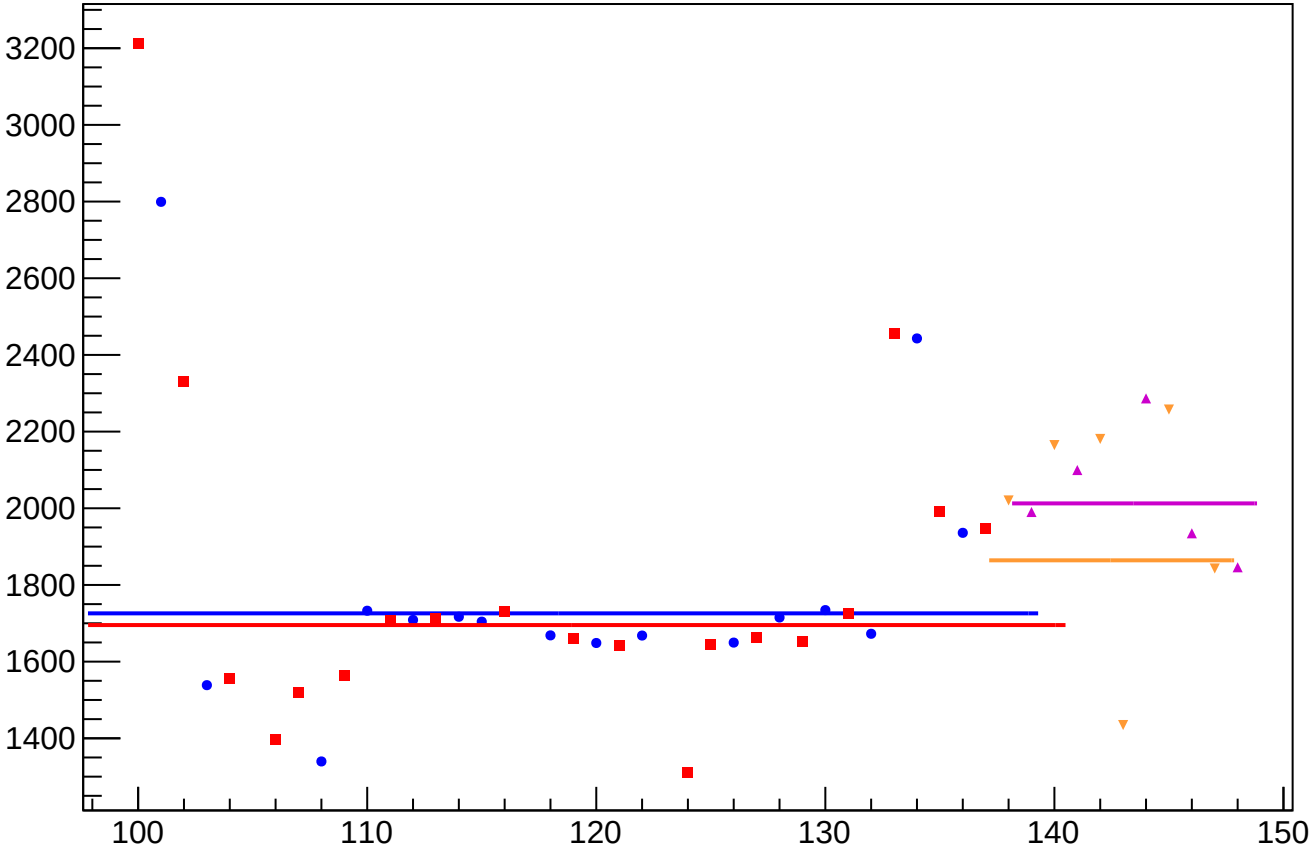
Left In: -3142.719+/-965.352 χ^2/NDF:4.4/4

+ sign 2434.701+/-525.527 χ^2/NDF: 21.3/21

All: -65.048+/-374.166 χ^2/NDF: 88.0/45

- sign -2634.963+/-532.851 χ^2/NDF: 20.8/23

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

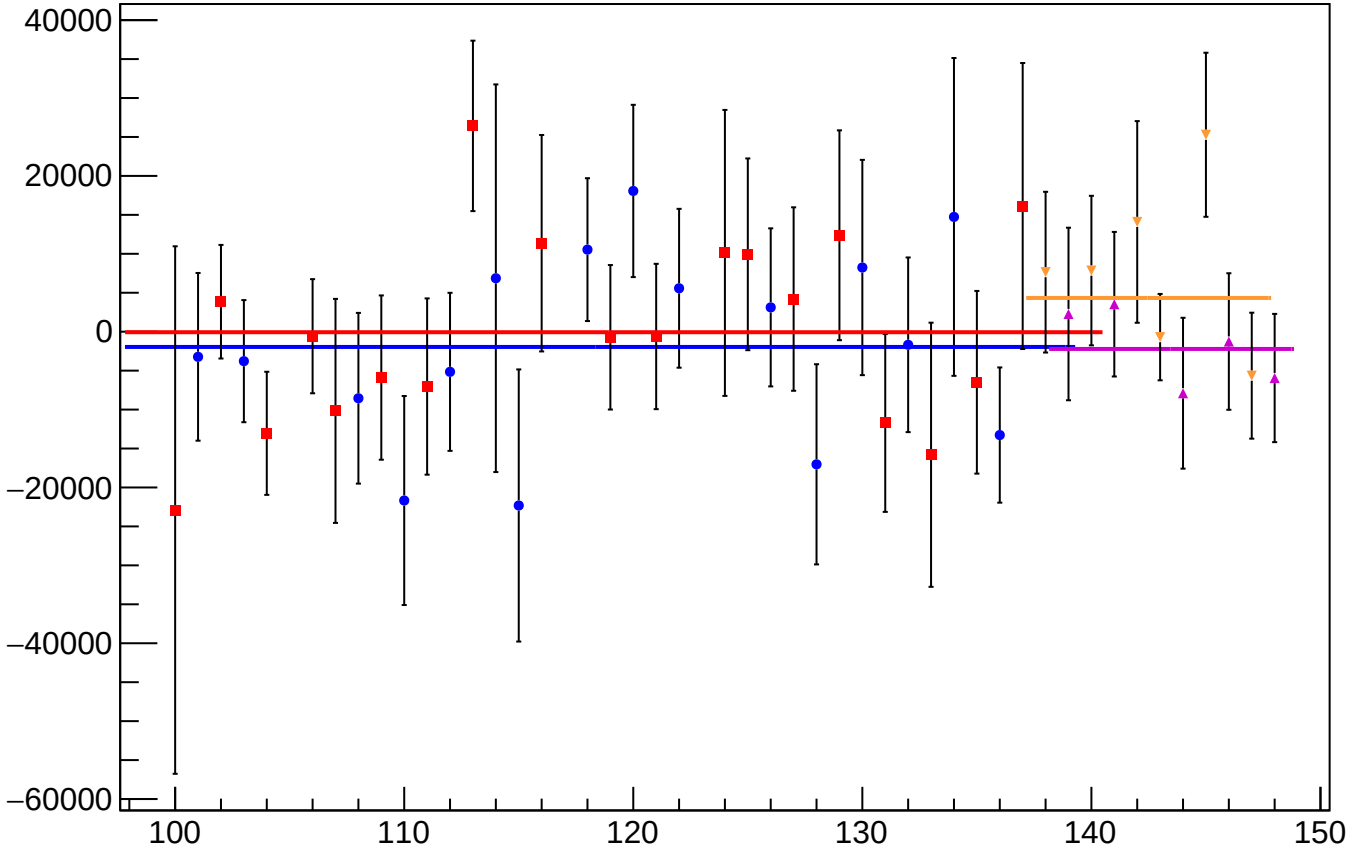
Left In: 2012.717+/-0.683 χ^2/NDF:45698.3/4

+ sign 1774.122+/-0.372 χ^2/NDF: 653175.2/21

All: 1782.950+/-0.265 χ^2/NDF: 1135941.5/45

- sign 1792.021+/-0.377 χ^2/NDF: 481622.1/23

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

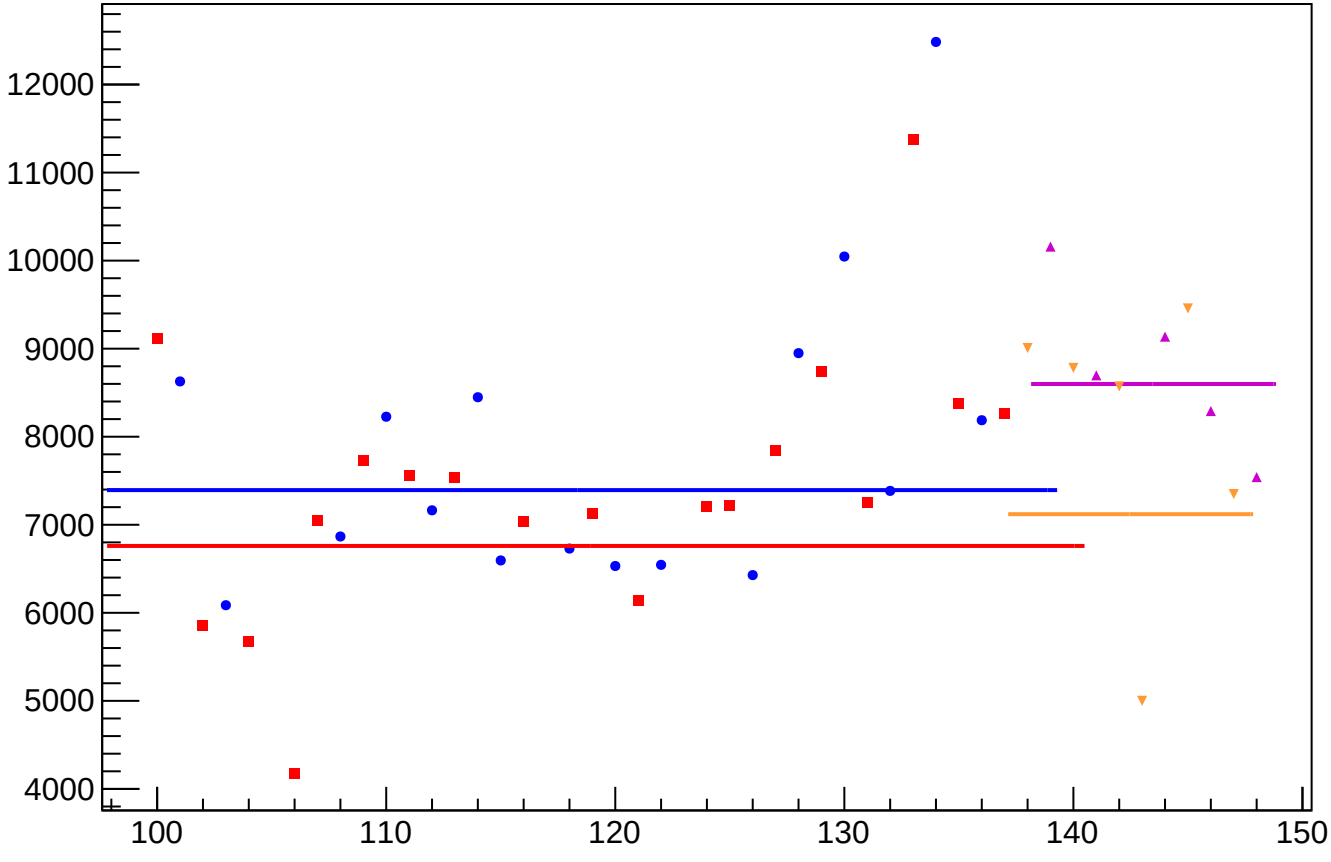
Left In: -2214.884+/-4145.524 χ^2/NDF:1.1/4

+ sign 520.288+/-2178.220 χ^2/NDF: 23.5/21

All: -70.257+/-1533.498 χ^2/NDF: 41.0/45

- sign -650.582+/-2159.291 χ^2/NDF: 17.4/23

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

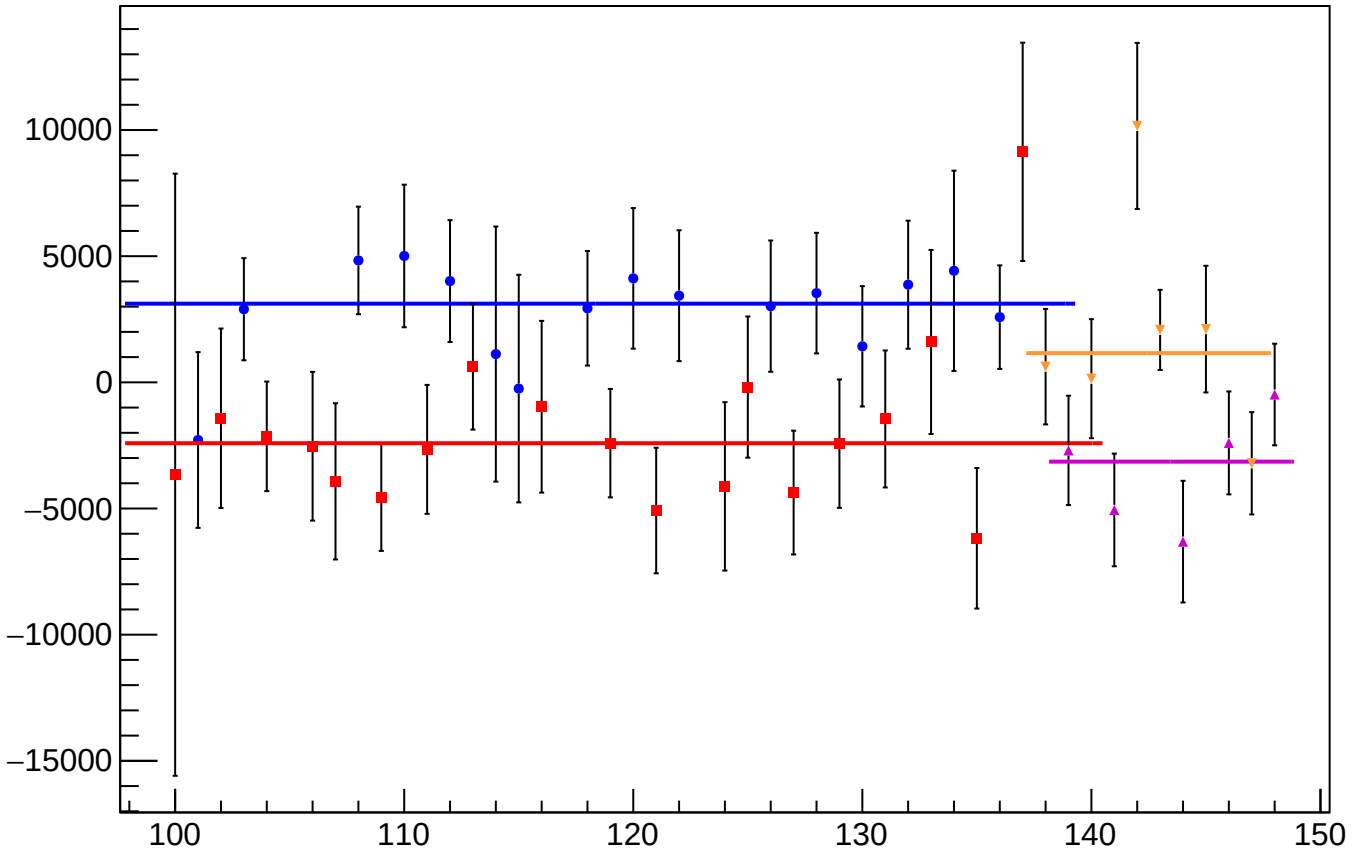
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8598.716+/-2.931 χ^2/NDF:81534.1/4

+ sign 7285.868+/-1.540 χ^2/NDF: 953803.1/21

All: 7272.036+/-1.084 χ^2/NDF: 1966677.6/45

- sign 7258.442+/-1.527 χ^2/NDF: 1012714.6/23



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

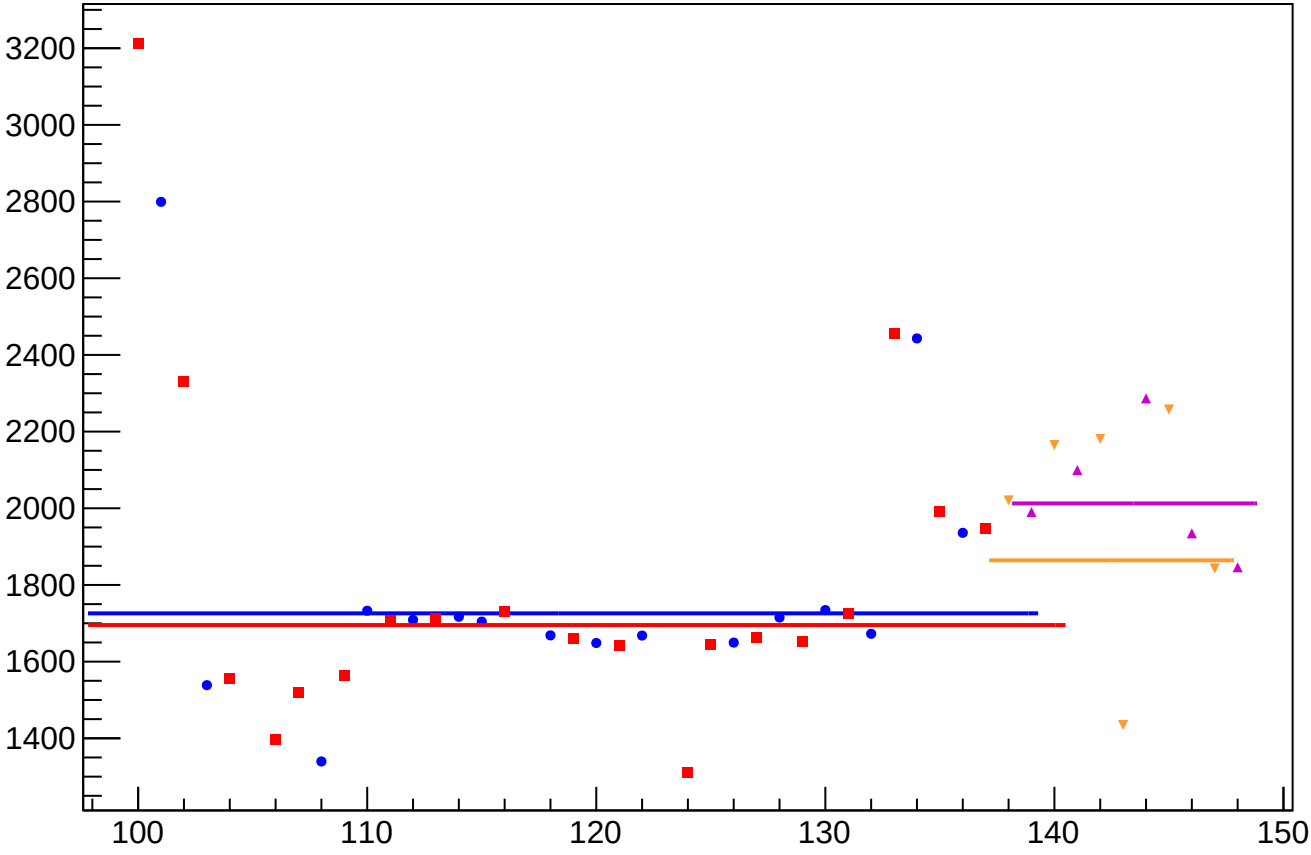
Left In: -3142.712+/-965.354 χ^2/NDF:4.4/4

+ sign 2434.705+/-525.527 χ^2/NDF: 21.3/21

All: -65.047+/-374.166 χ^2/NDF: 88.0/45

- sign -2634.966+/-532.852 χ^2/NDF: 20.8/23

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

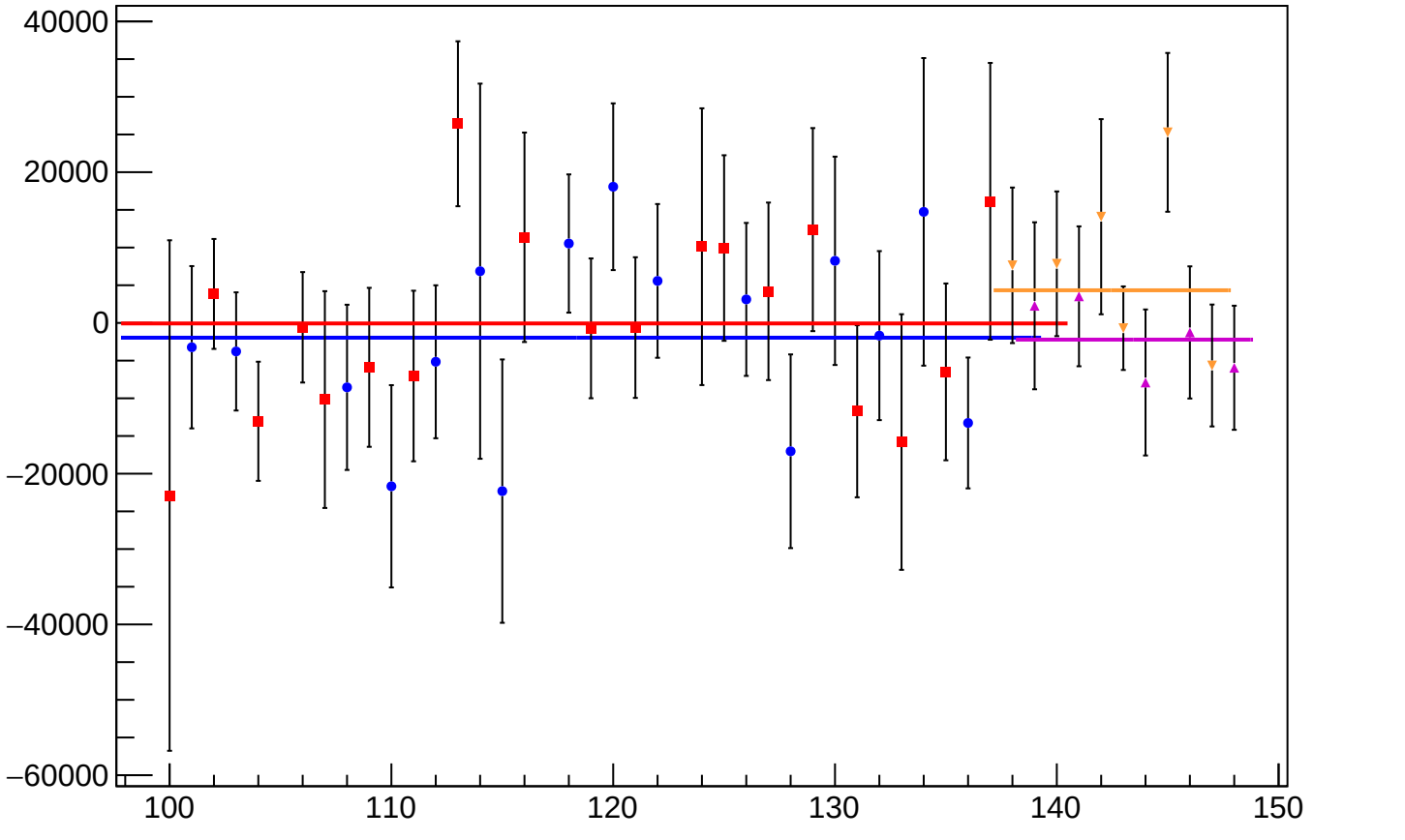
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2012.720+/-0.683 χ^2/NDF:45698.5/4

+ sign 1774.123+/-0.372 χ^2/NDF: 653177.0/21

All: 1782.950+/-0.265 χ^2/NDF: 1135946.6/45

- sign 1792.021+/-0.377 χ^2/NDF: 481625.4/23



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

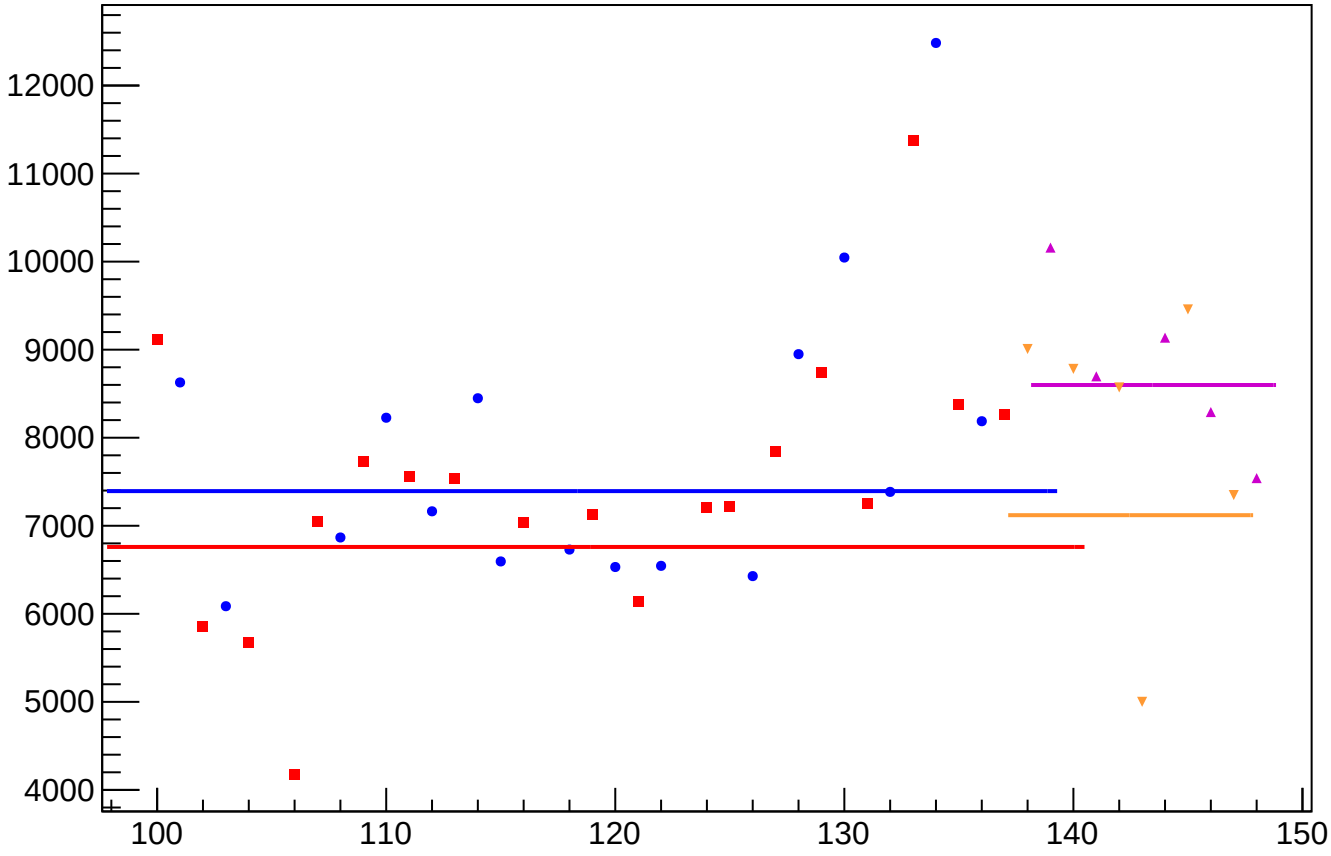
Left In: -2214.877+/-4145.530 χ^2/NDF:1.1/4

+ sign 520.288+/-2178.219 χ^2/NDF: 23.5/21

All: -70.257+/-1533.496 χ^2/NDF: 41.0/45

- sign -650.582+/-2159.288 χ^2/NDF: 17.4/23

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

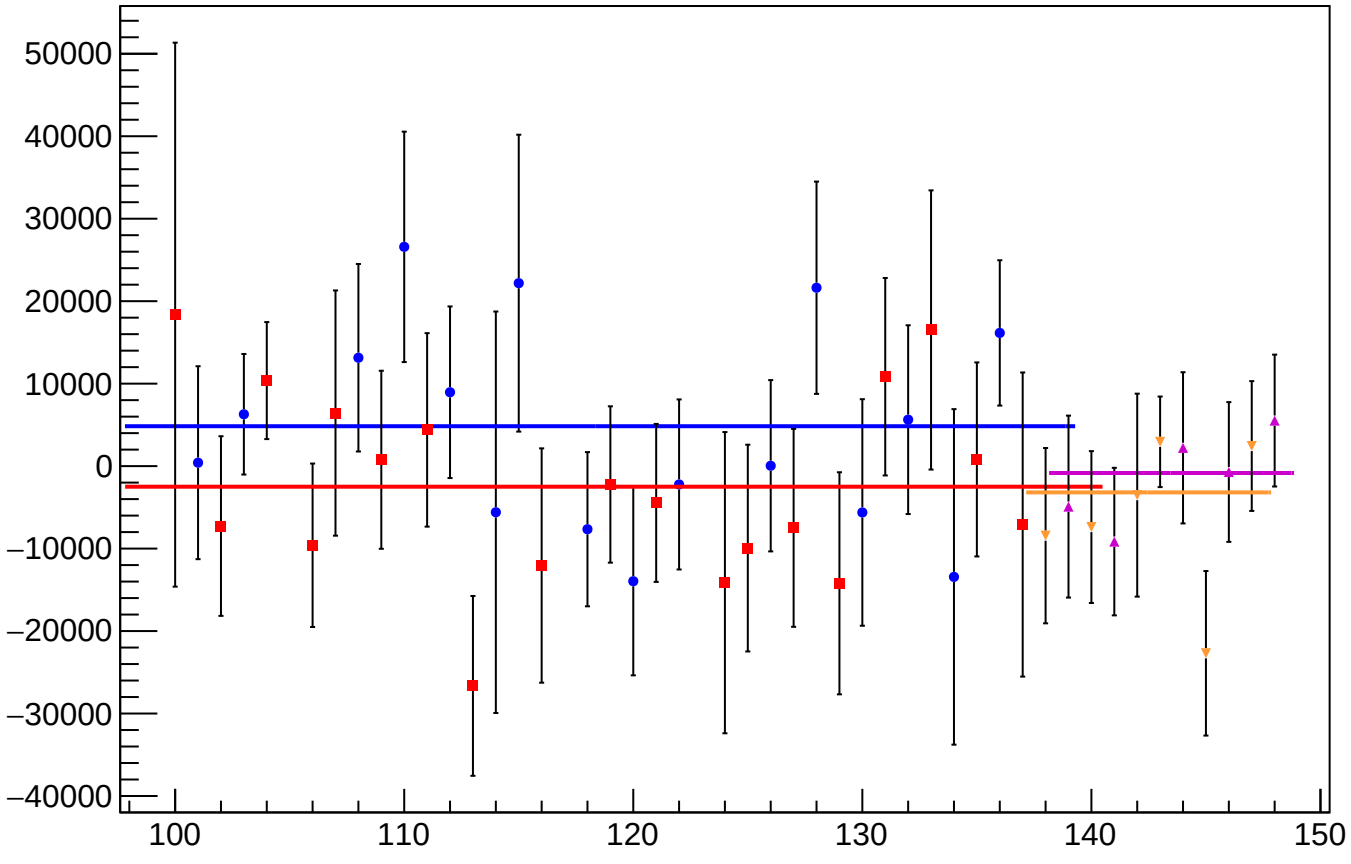
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8598.729+/-2.931 χ^2/NDF:81535.0/4

+ sign 7285.863+/-1.540 χ^2/NDF: 953804.0/21

All: 7272.028+/-1.084 χ^2/NDF: 1966686.2/45

- sign 7258.433+/-1.527 χ^2/NDF: 1012722.2/23



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

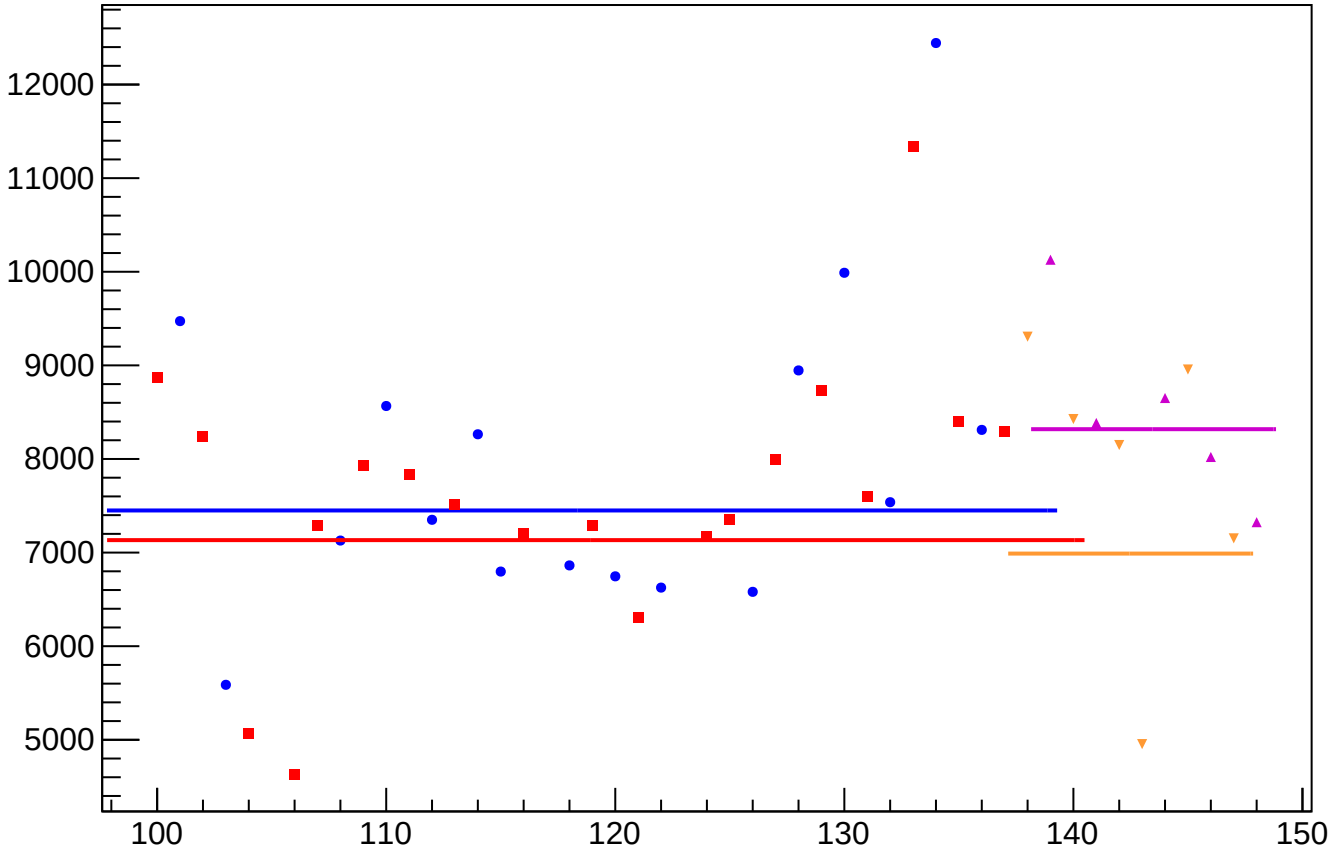
Left In: -833.952+/-4009.794 χ^2/NDF:1.7/4

+ sign 1552.240+/-2174.042 χ^2/NDF: 23.7/21

All: -162.748+/-1559.079 χ^2/NDF: 41.7/45

- sign -1978.583+/-2237.049 χ^2/NDF: 16.8/23

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

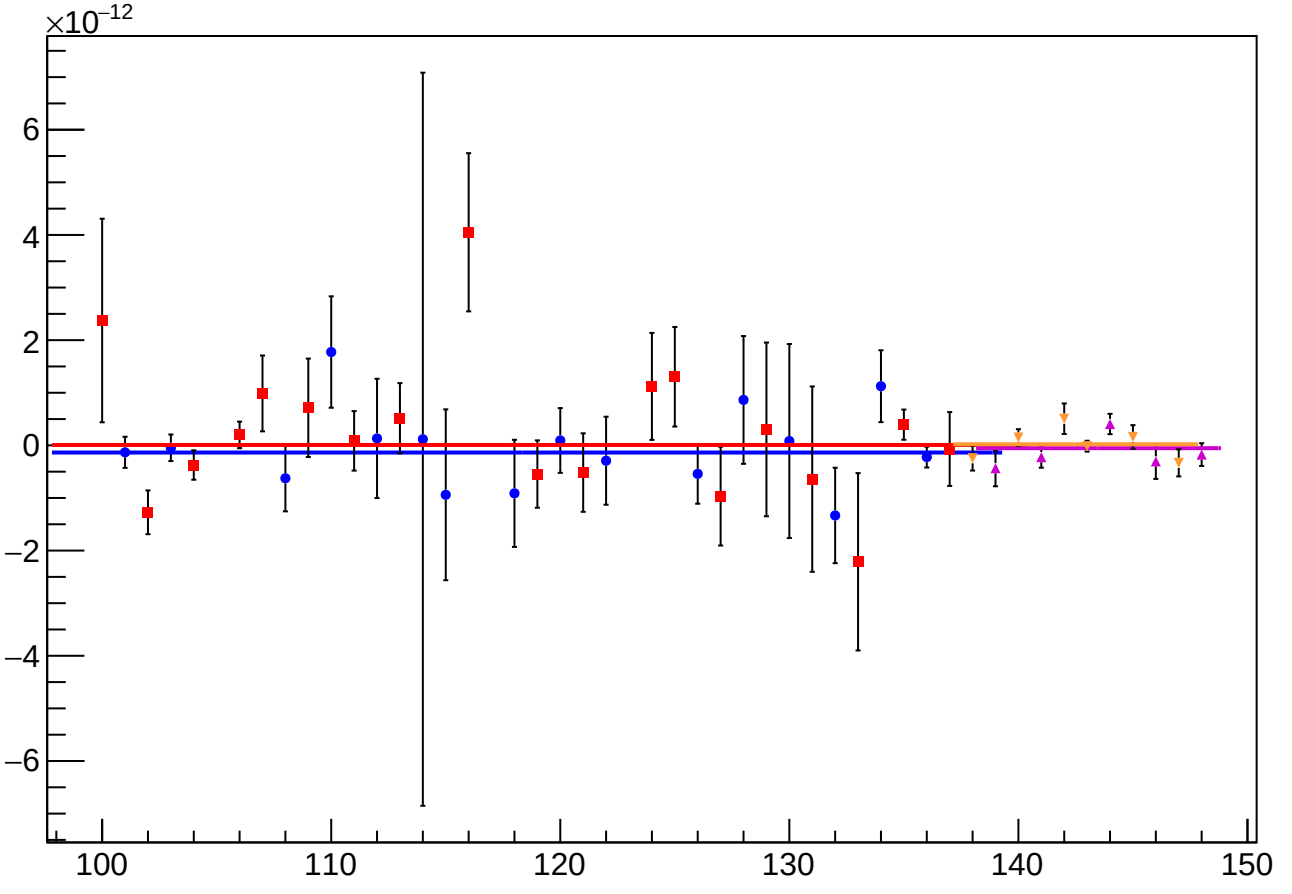
Left In: 8318.307+/-2.835 χ^2/NDF:89964.0/4

+ sign 7261.407+/-1.537 χ^2/NDF: 1023073.6/21

All: 7378.257+/-1.102 χ^2/NDF: 1802275.2/45

- sign 7501.968+/-1.582 χ^2/NDF: 767306.8/23

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

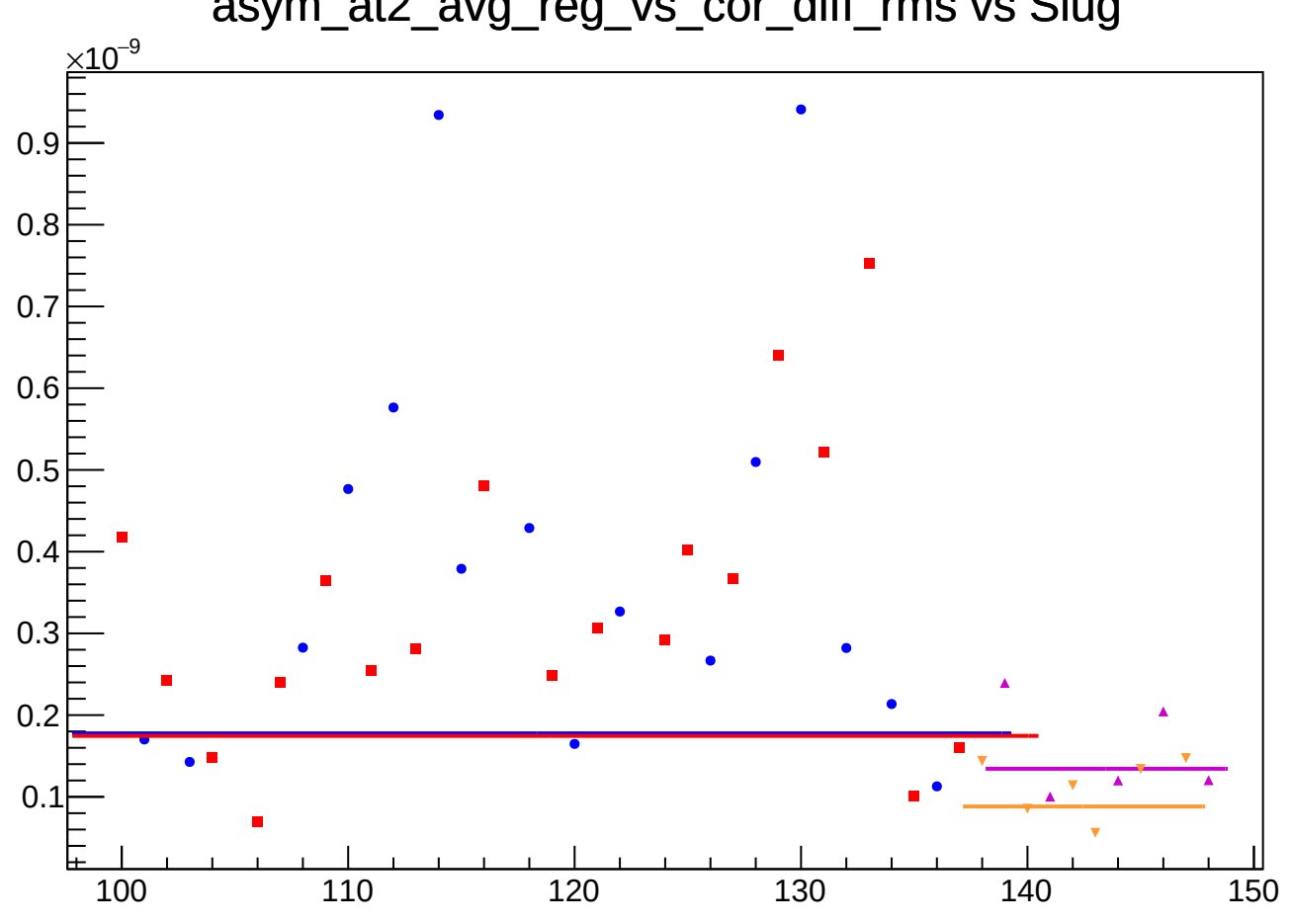
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/21

All: -0.000+/-0.000 χ^2/NDF: 61.4/45

- sign -0.000+/-0.000 χ^2/NDF: 41.4/23



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

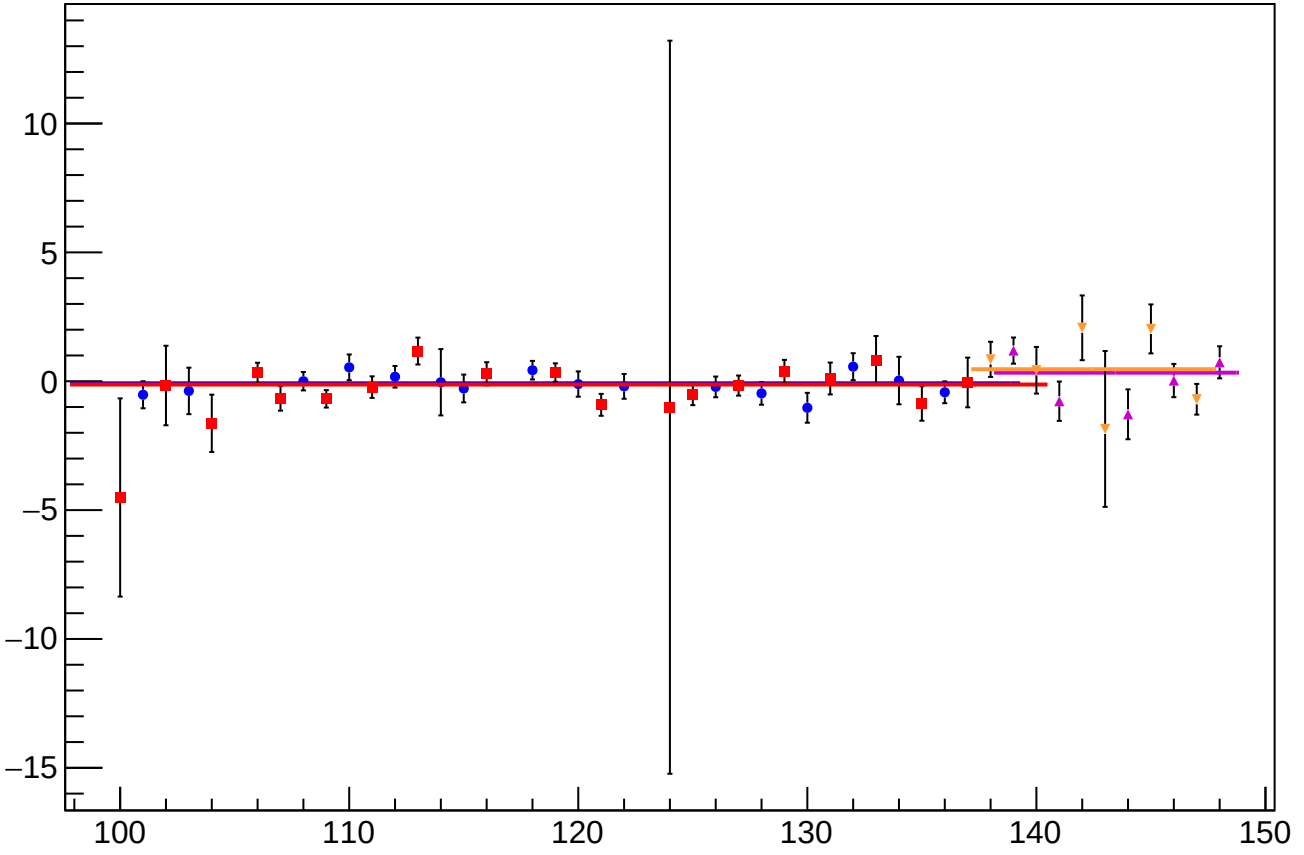
Left In: 0.000+/-0.000 χ^2/NDF:352648.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2867394.0/21

All: 0.000+/-0.000 χ^2/NDF: 5299293.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2117667.4/23

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

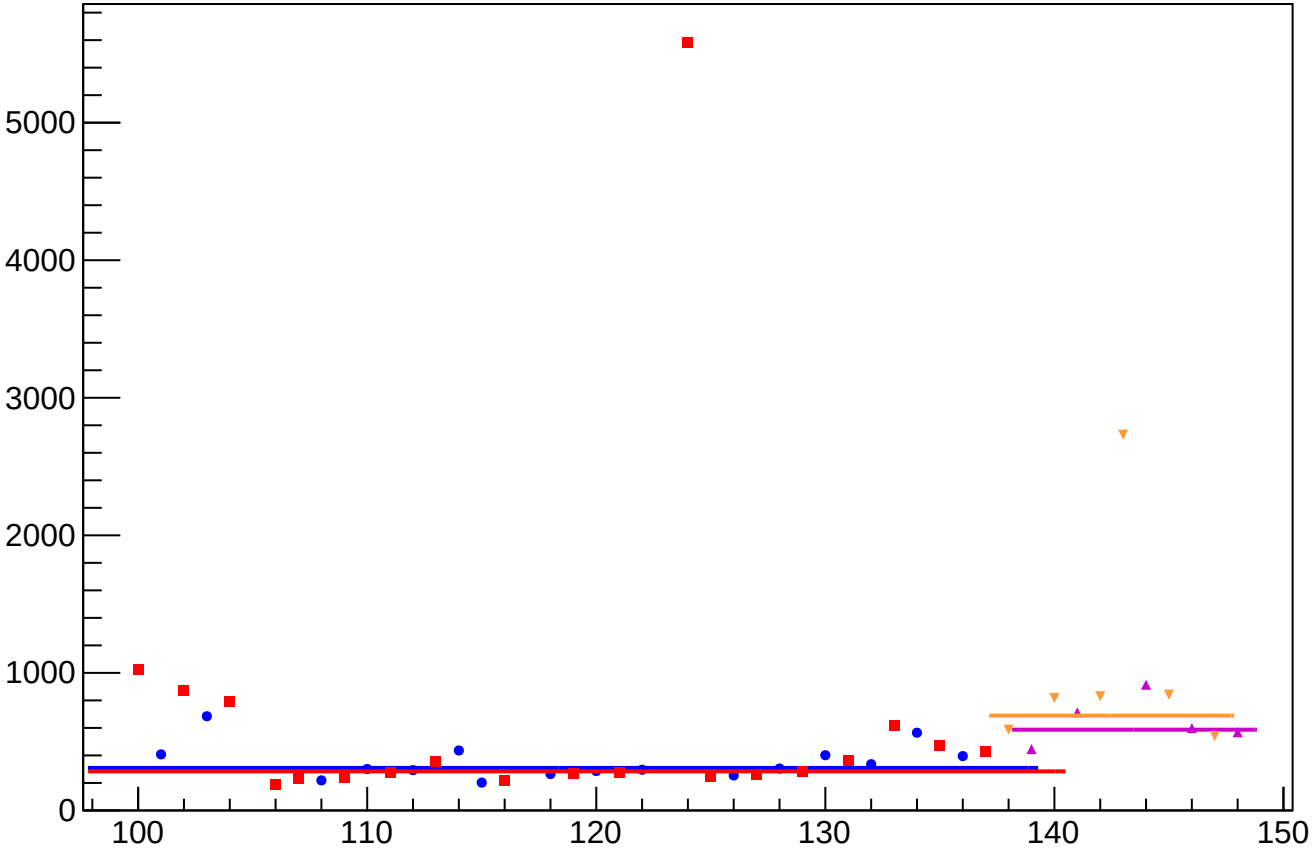
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.044+/-0.079 χ^2/NDF: 57.8/45

- sign -0.064+/-0.109 χ^2/NDF: 35.8/23

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

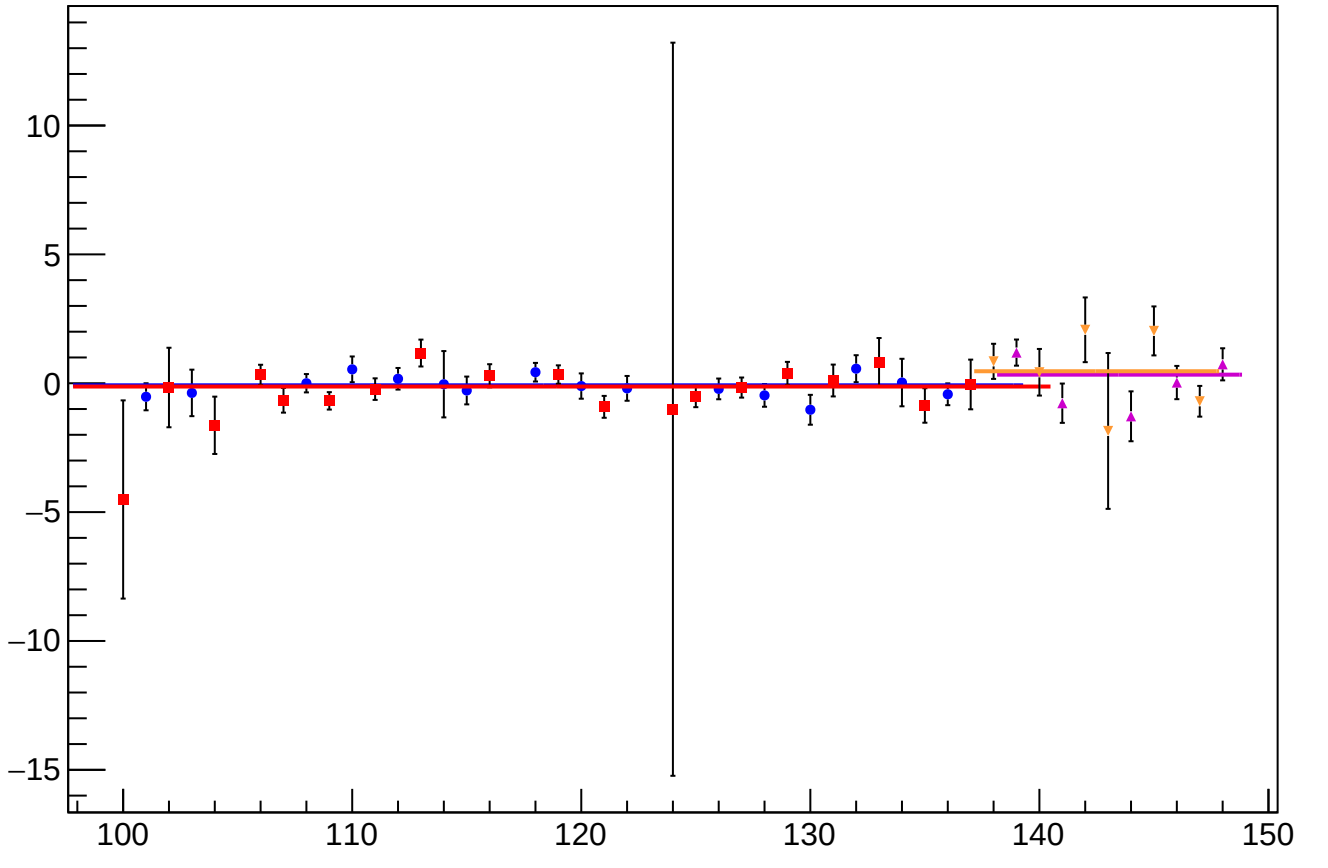
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

+ sign 349.657+/-0.081 χ^2/NDF: 4289524.4/21

All: 337.037+/-0.056 χ^2/NDF: 8476650.5/45

- sign 325.822+/-0.077 χ^2/NDF: 4141779.6/23



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

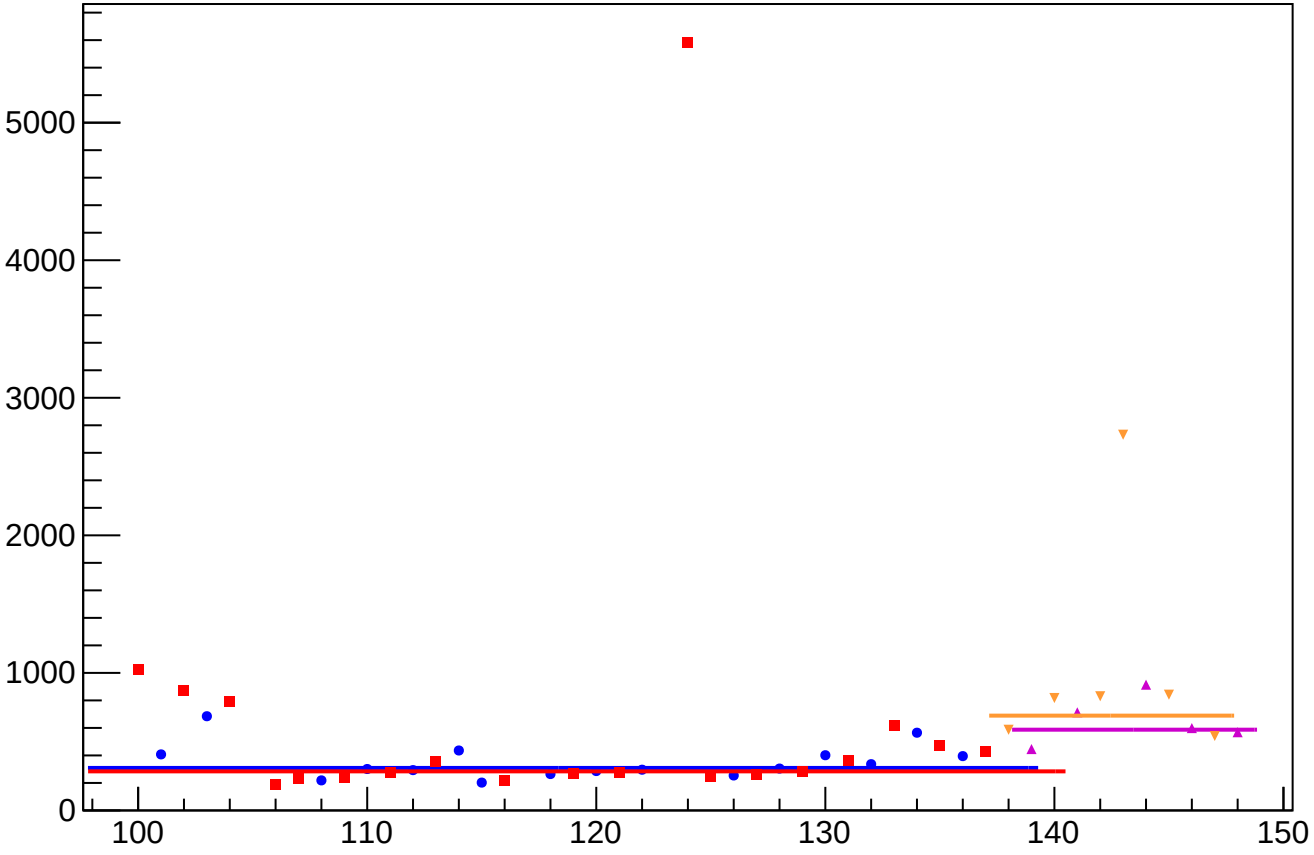
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.044+/-0.079 χ^2/NDF: 57.8/45

\- sign -0.064+/-0.109 χ^2/NDF: 35.8/23

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

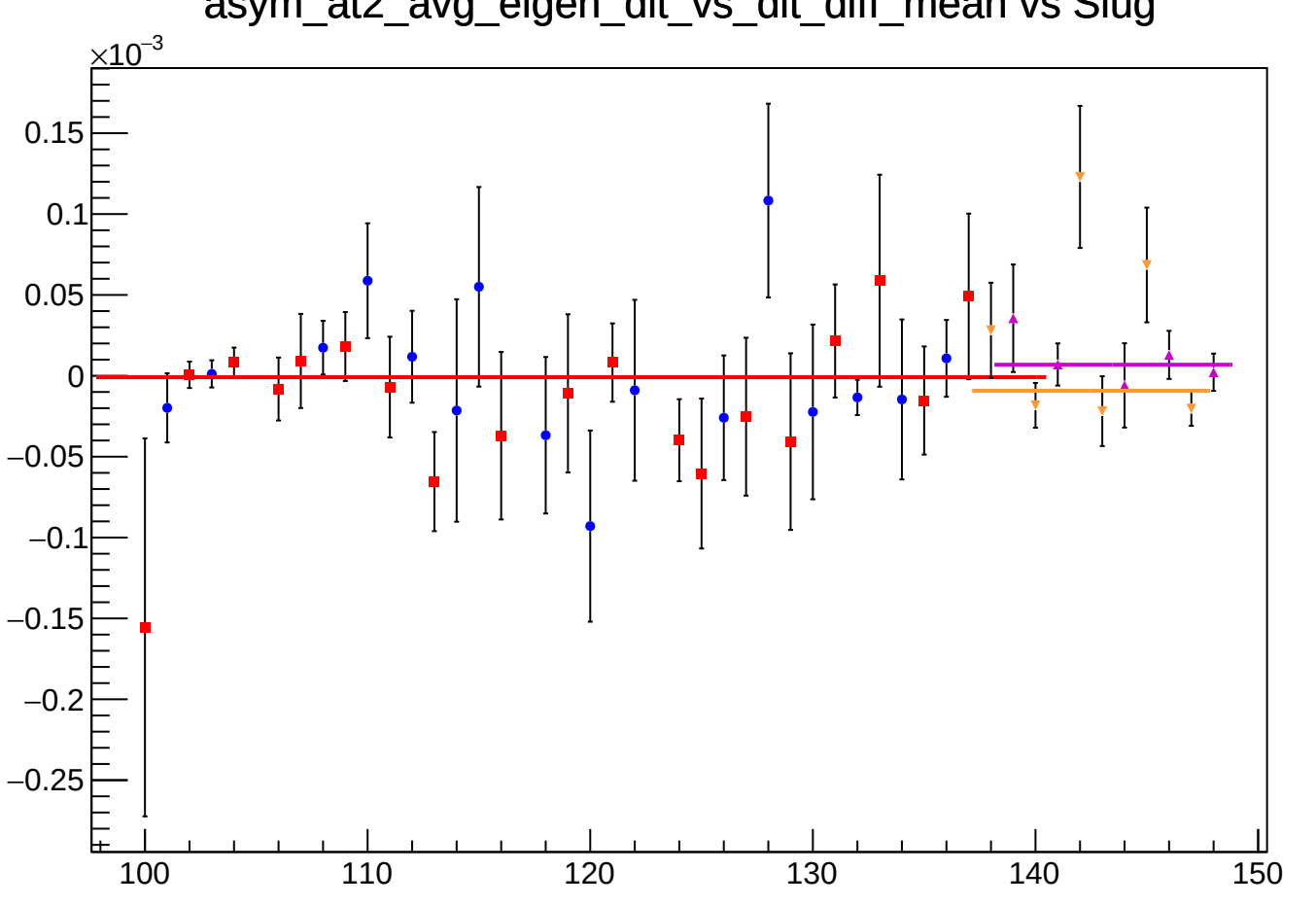
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

+ sign 349.657+/-0.081 χ^2/NDF: 4289524.4/21

All: 337.037+/-0.056 χ^2/NDF: 8476650.5/45

- sign 325.822+/-0.077 χ^2/NDF: 4141779.6/23



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

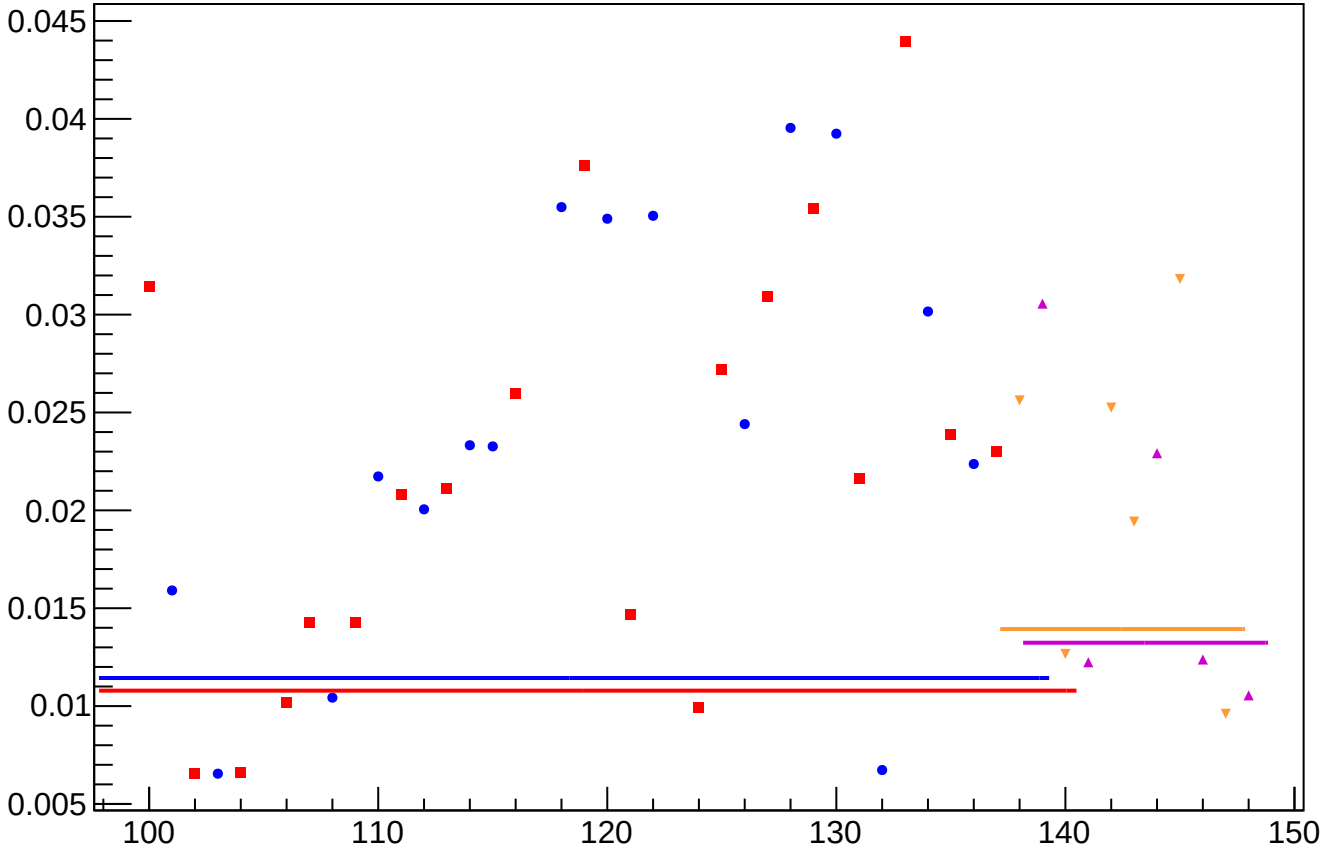
Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/21

All: -0.000+/-0.000 χ^2/NDF: 51.8/45

- sign 0.000+/-0.000 χ^2/NDF: 18.3/23

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

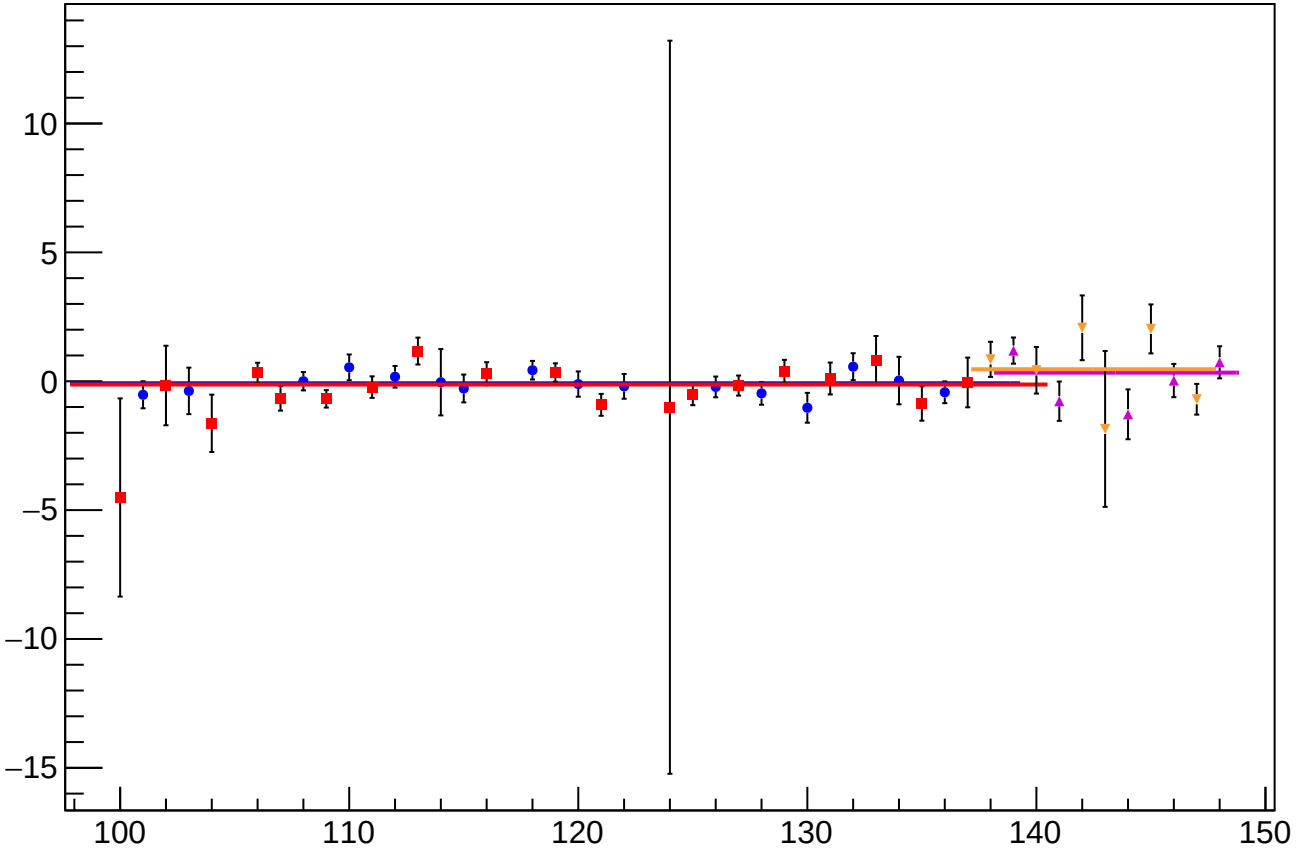
Left In: 0.013+/-0.000 χ^2/NDF:946180.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 6291922.3/21

All: 0.012+/-0.000 χ^2/NDF: 11907064.7/45

- sign 0.012+/-0.000 χ^2/NDF: 5584564.7/23

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

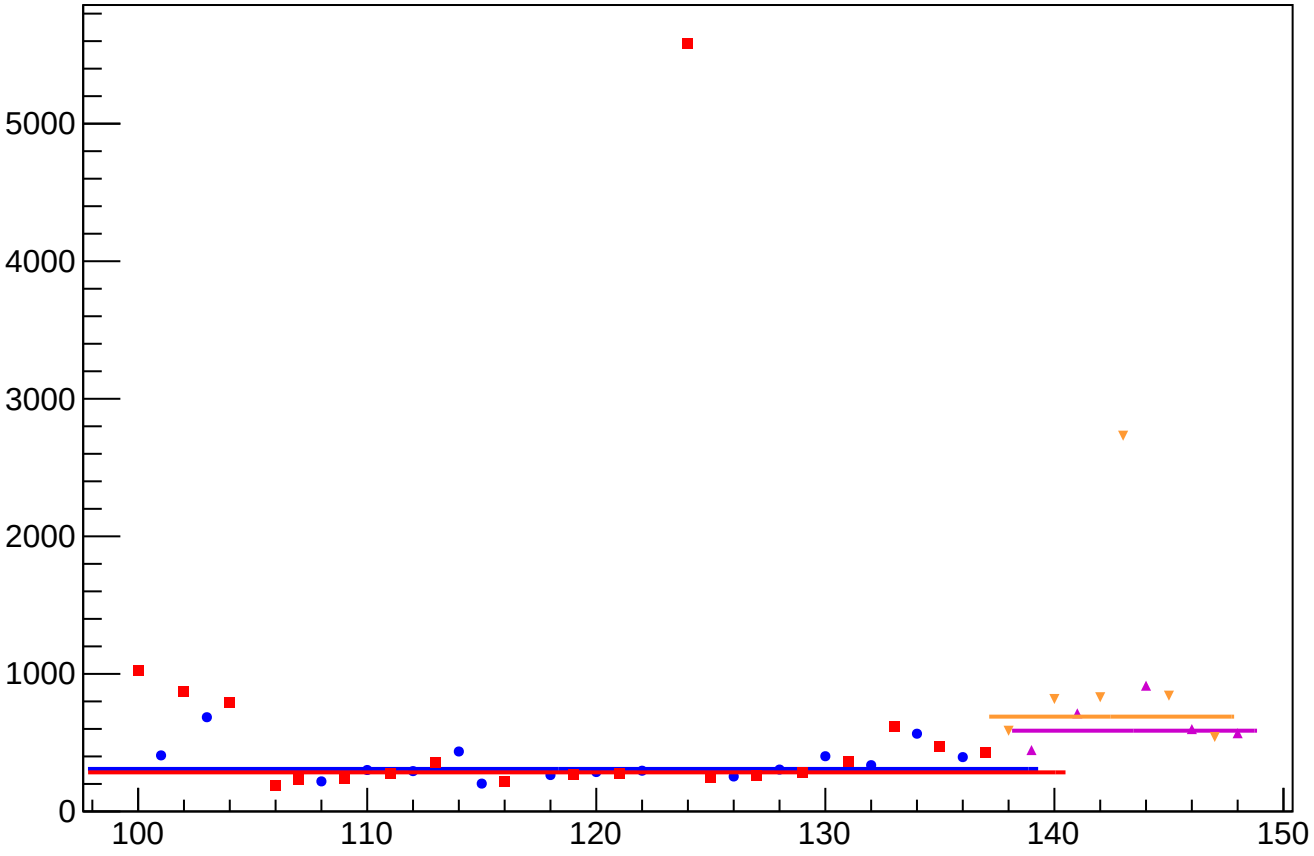
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.044+/-0.079 χ^2/NDF: 57.8/45

- sign -0.064+/-0.109 χ^2/NDF: 35.8/23

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

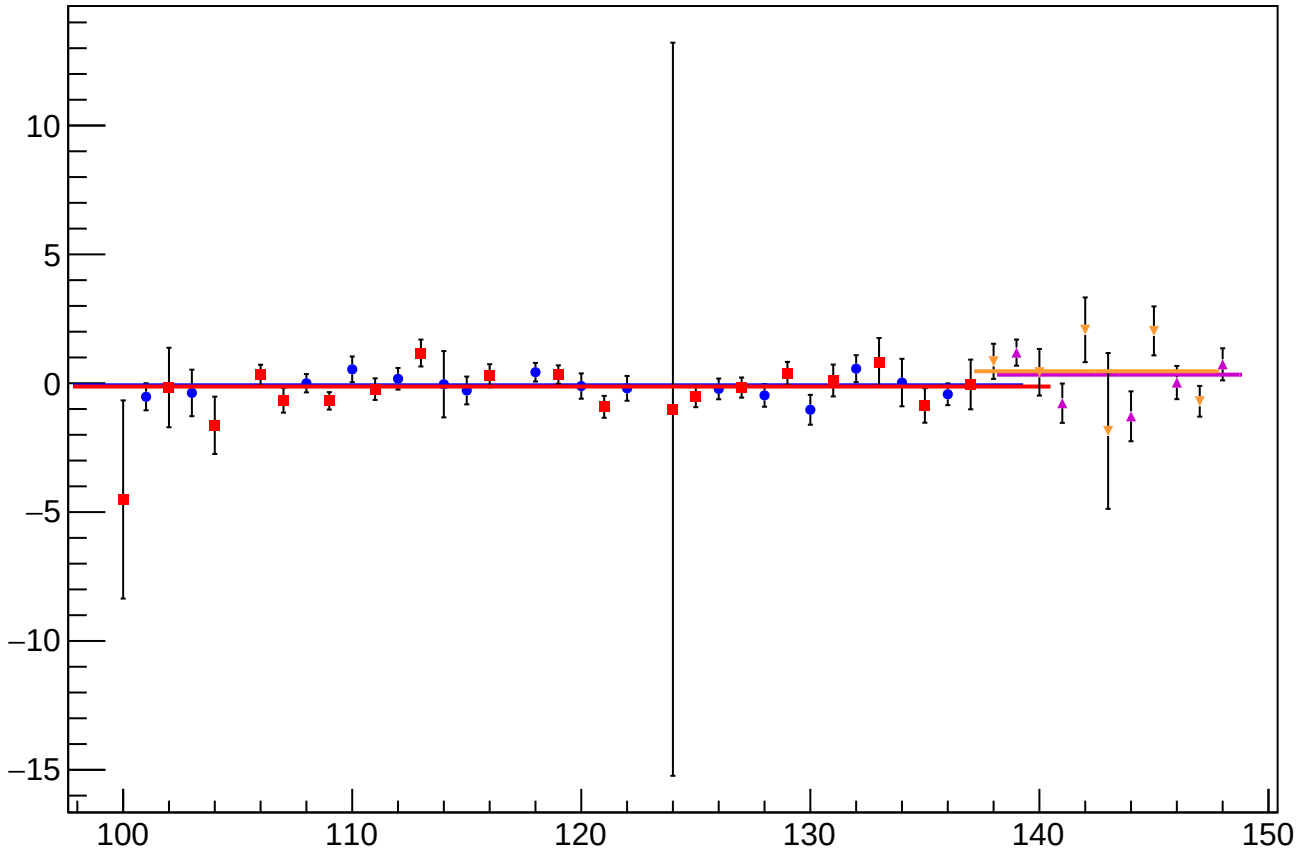
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

+ sign 349.656+/-0.081 χ^2/NDF: 4289543.3/21

All: 337.036+/-0.056 χ^2/NDF: 8476707.6/45

- sign 325.821+/-0.077 χ^2/NDF: 4141818.8/23



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

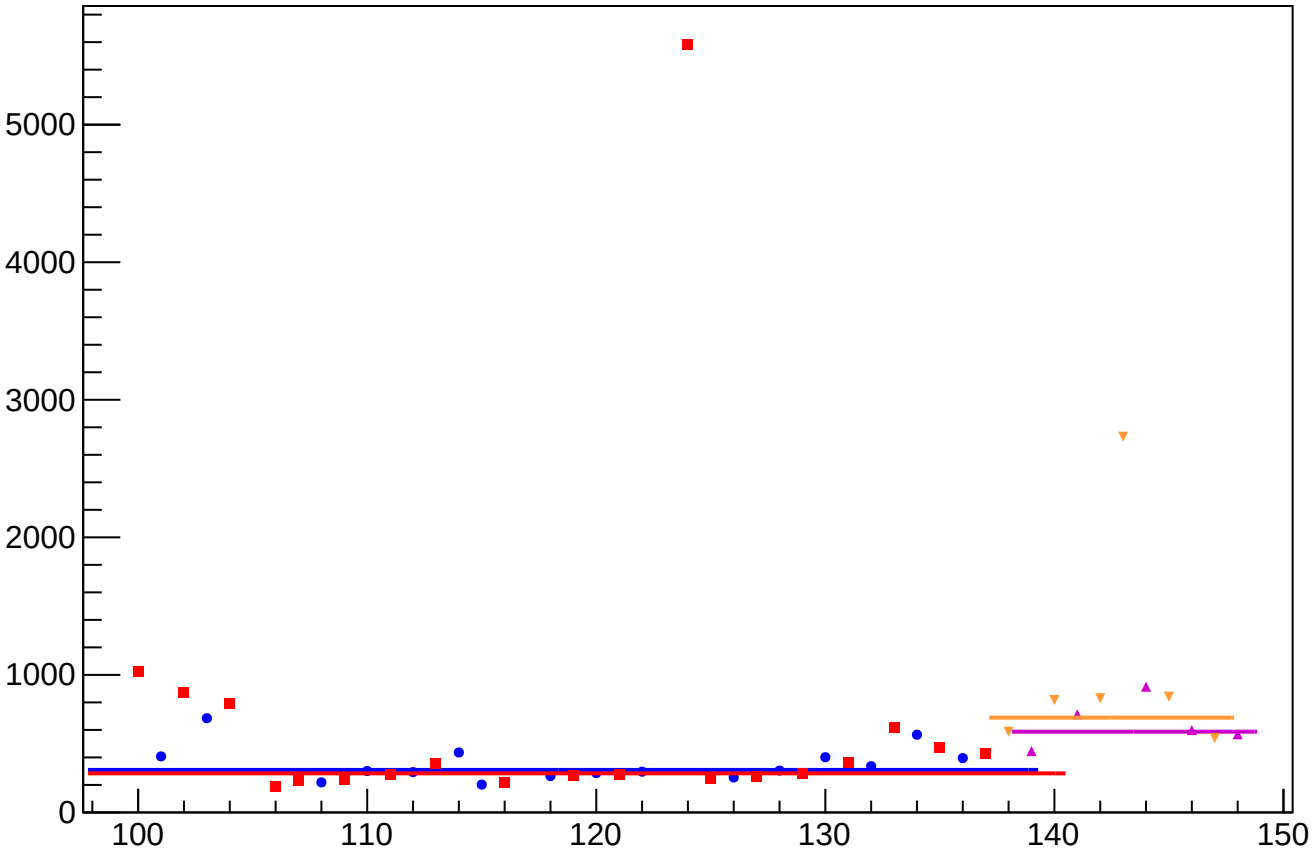
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.022+/-0.115 χ^2/NDF: 22.0/21

All: -0.044+/-0.079 χ^2/NDF: 57.8/45

\- sign -0.064+/-0.109 χ^2/NDF: 35.8/23



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 689.346+/-0.249 χ^2/NDF:1197765.0/5

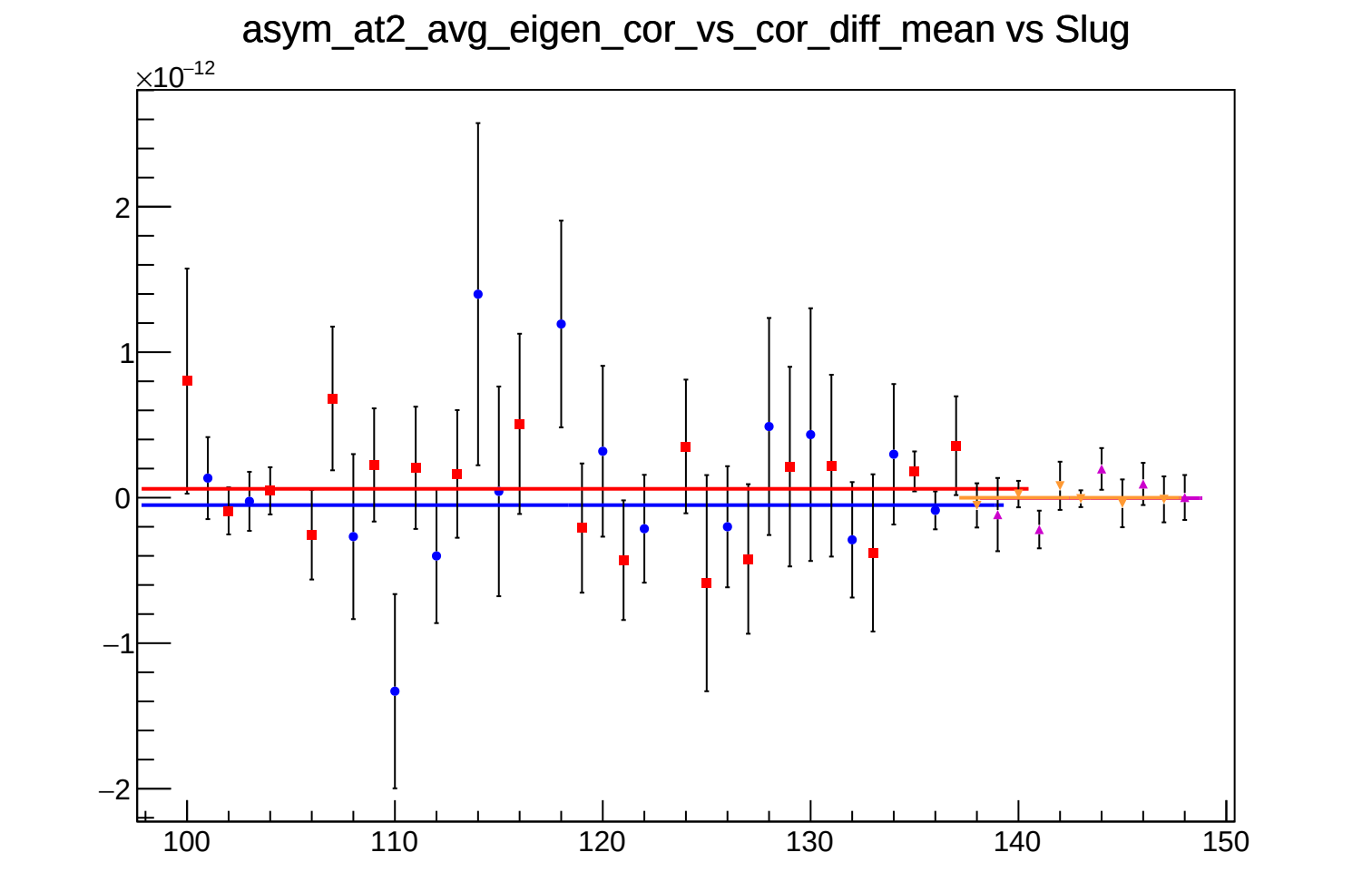
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

+ sign 349.656+/-0.081 χ^2/NDF: 4289543.3/21

All: 337.036+/-0.056 χ^2/NDF: 8476707.6/45

- sign 325.821+/-0.077 χ^2/NDF: 4141818.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/5

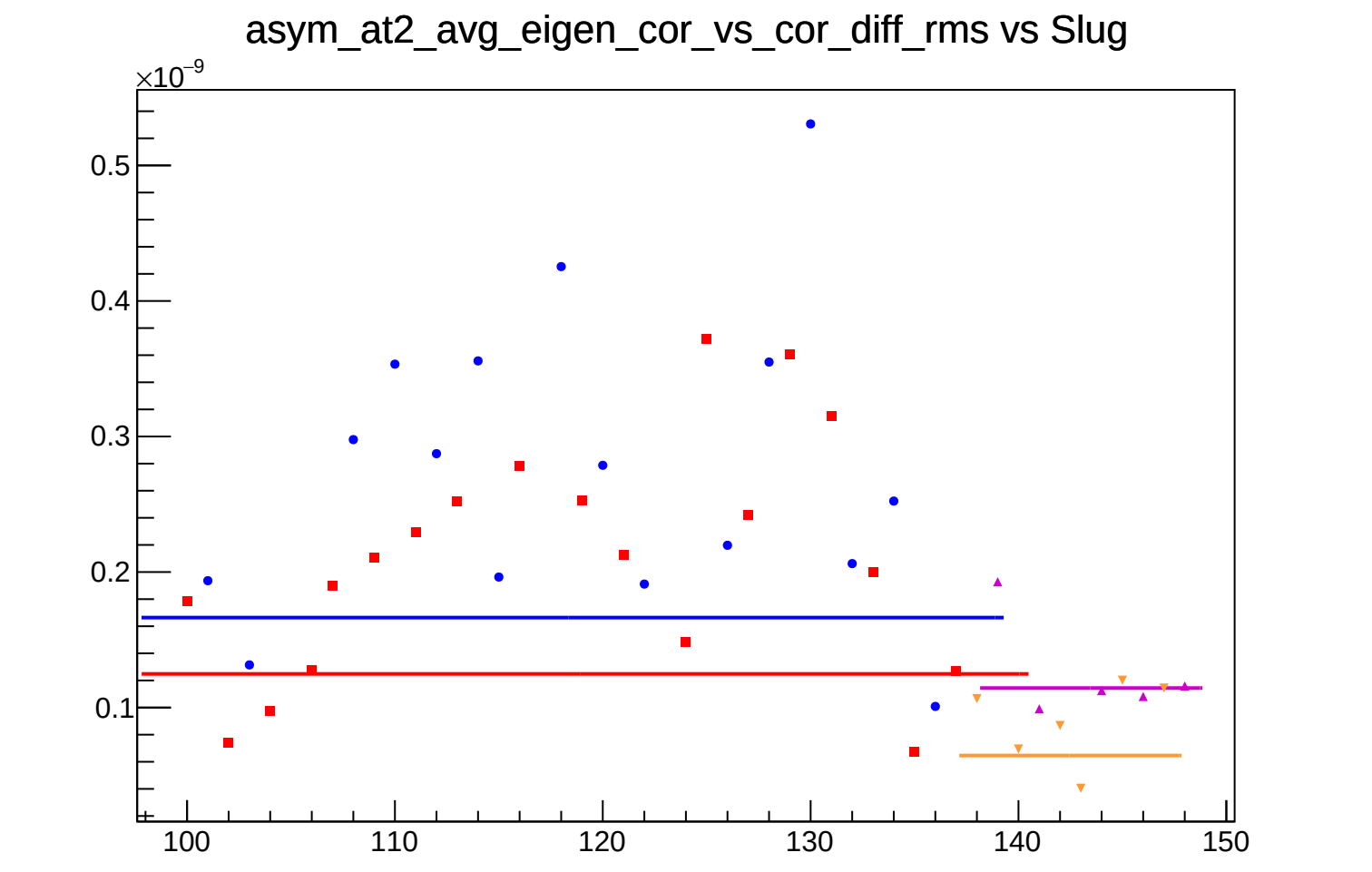
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

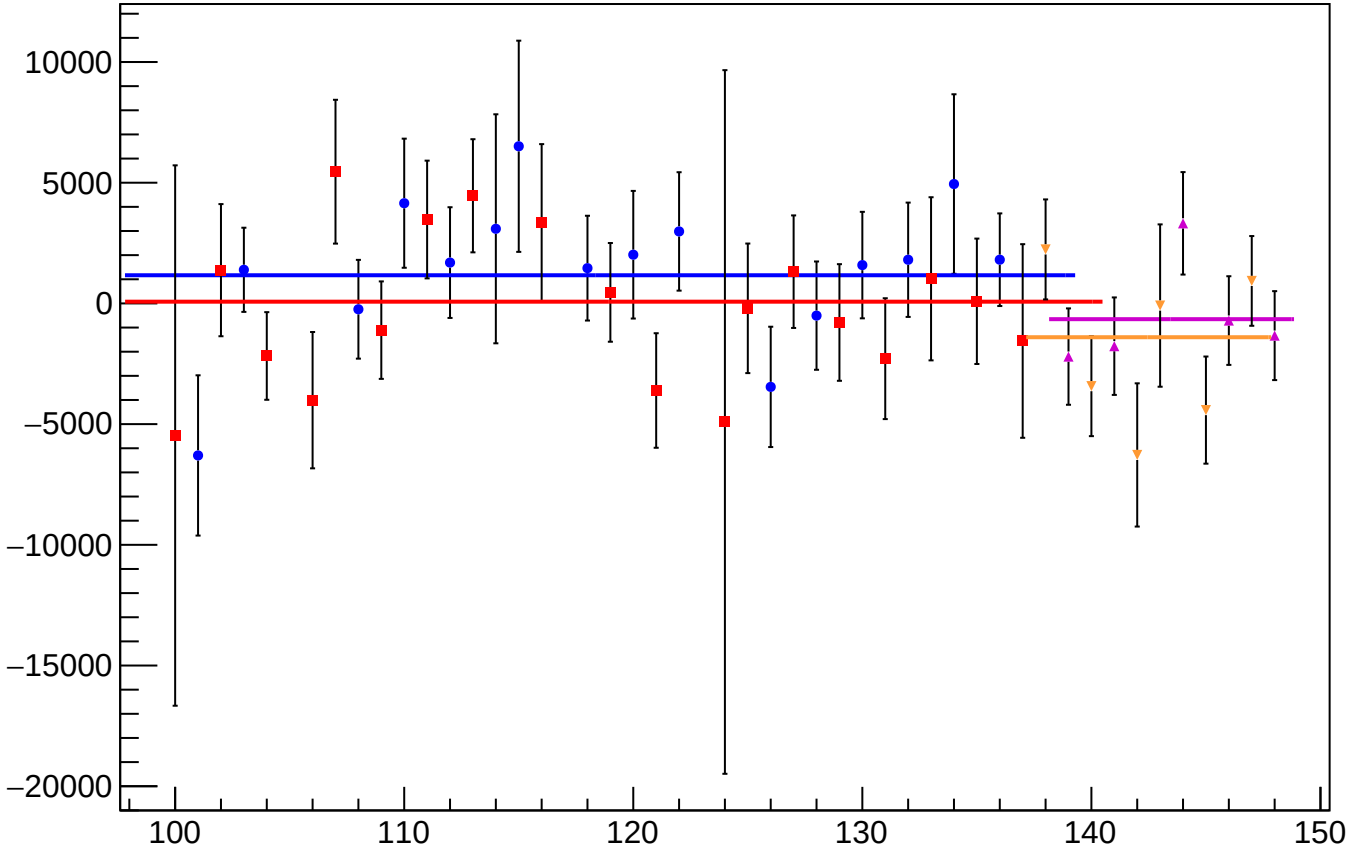
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/21

All: 0.000+/-0.000 χ^2/NDF: 30.4/45

- sign 0.000+/-0.000 χ^2/NDF: 17.3/23


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:972679.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:226571.5/4
+ sign 0.000+/-0.000 χ²/NDF: 5294054.1/21
All: 0.000+/-0.000 χ²/NDF: 8401477.5/45
- sign 0.000+/-0.000 χ²/NDF: 2458789.6/23

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

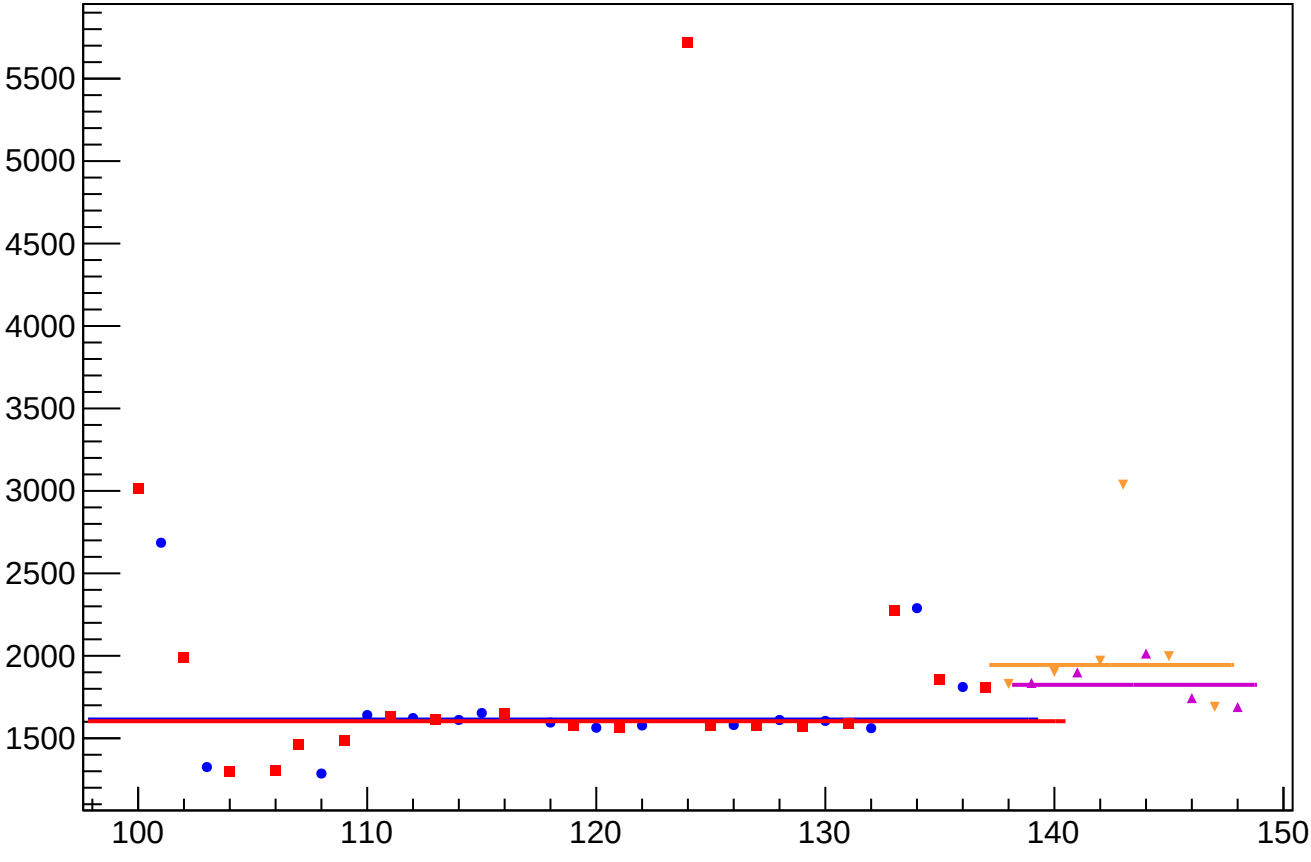
Left In: -652.379+/-873.872 χ^2/NDF:4.5/4

+ sign 393.895+/-509.274 χ^2/NDF: 30.1/21

All: 109.037+/-355.513 χ^2/NDF: 54.0/45

- sign -161.723+/-496.511 χ^2/NDF: 23.3/23

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

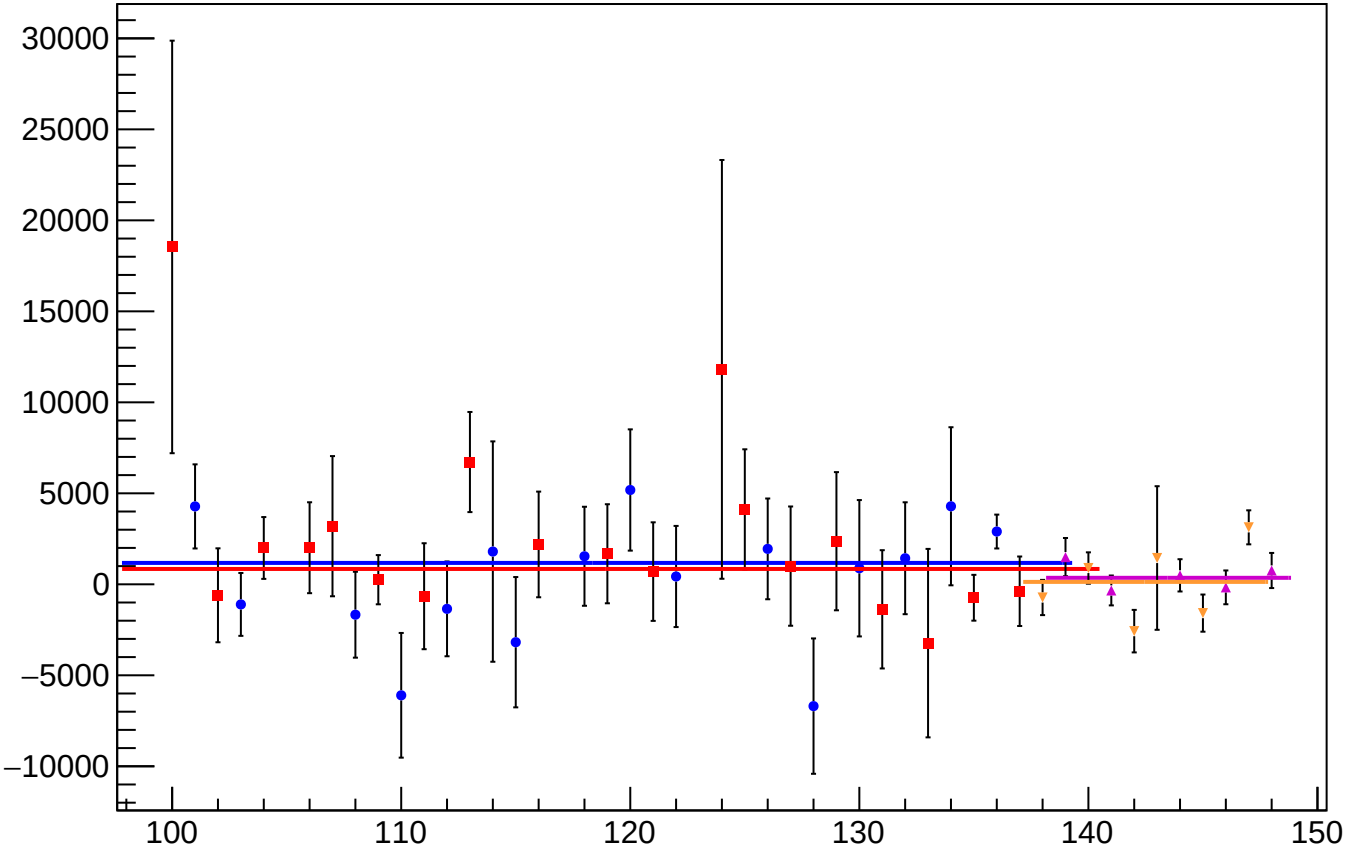
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1713.327+/-0.360 χ^2/NDF: 839515.9/21

All: 1693.517+/-0.251 χ^2/NDF: 1390877.8/45

- sign 1674.688+/-0.351 χ^2/NDF: 545459.2/23

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

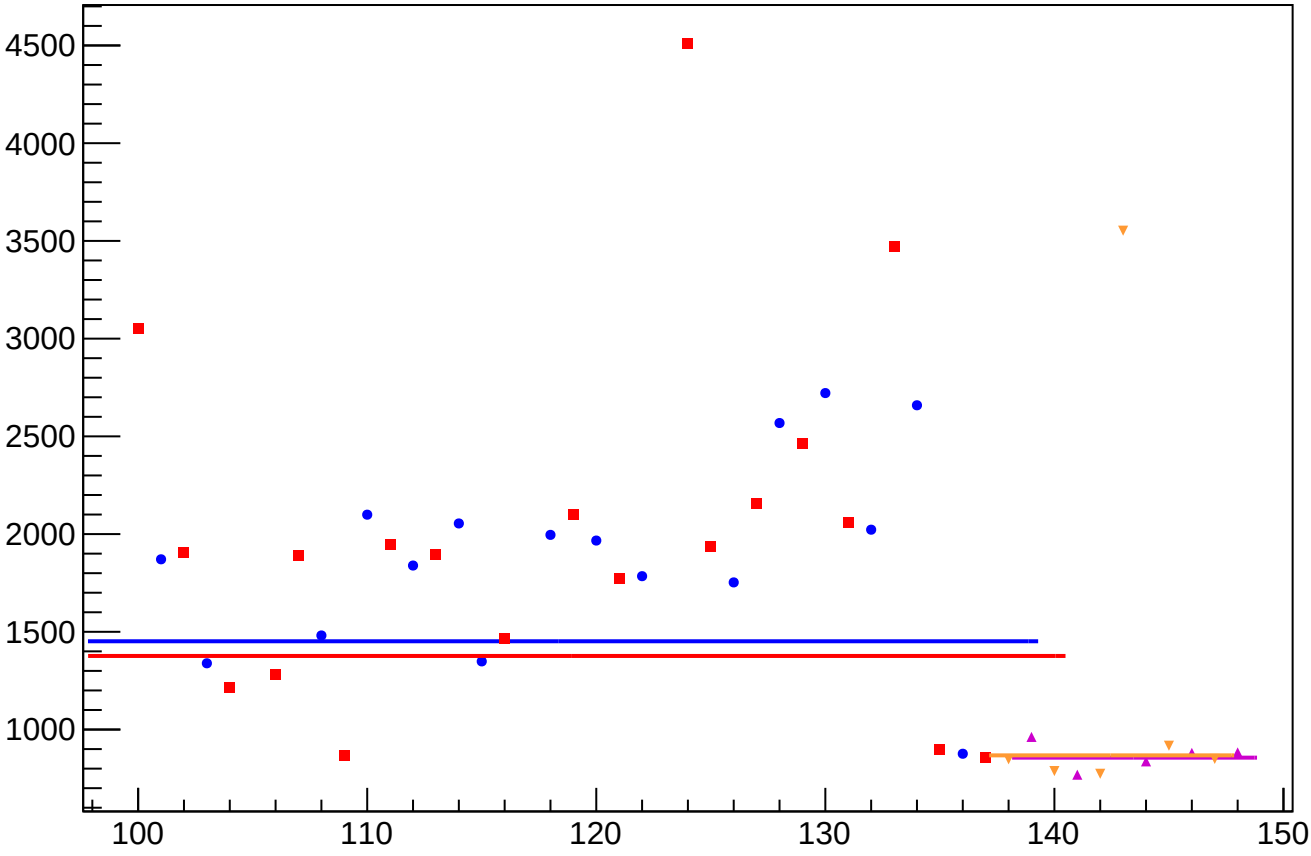
Left In: 356.452+/-411.768 χ^2/NDF:2.4/4

+ sign 507.232+/-347.133 χ^2/NDF: 44.2/21

All: 518.374+/-239.631 χ^2/NDF: 61.4/45

- sign 528.516+/-331.205 χ^2/NDF: 17.2/23

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

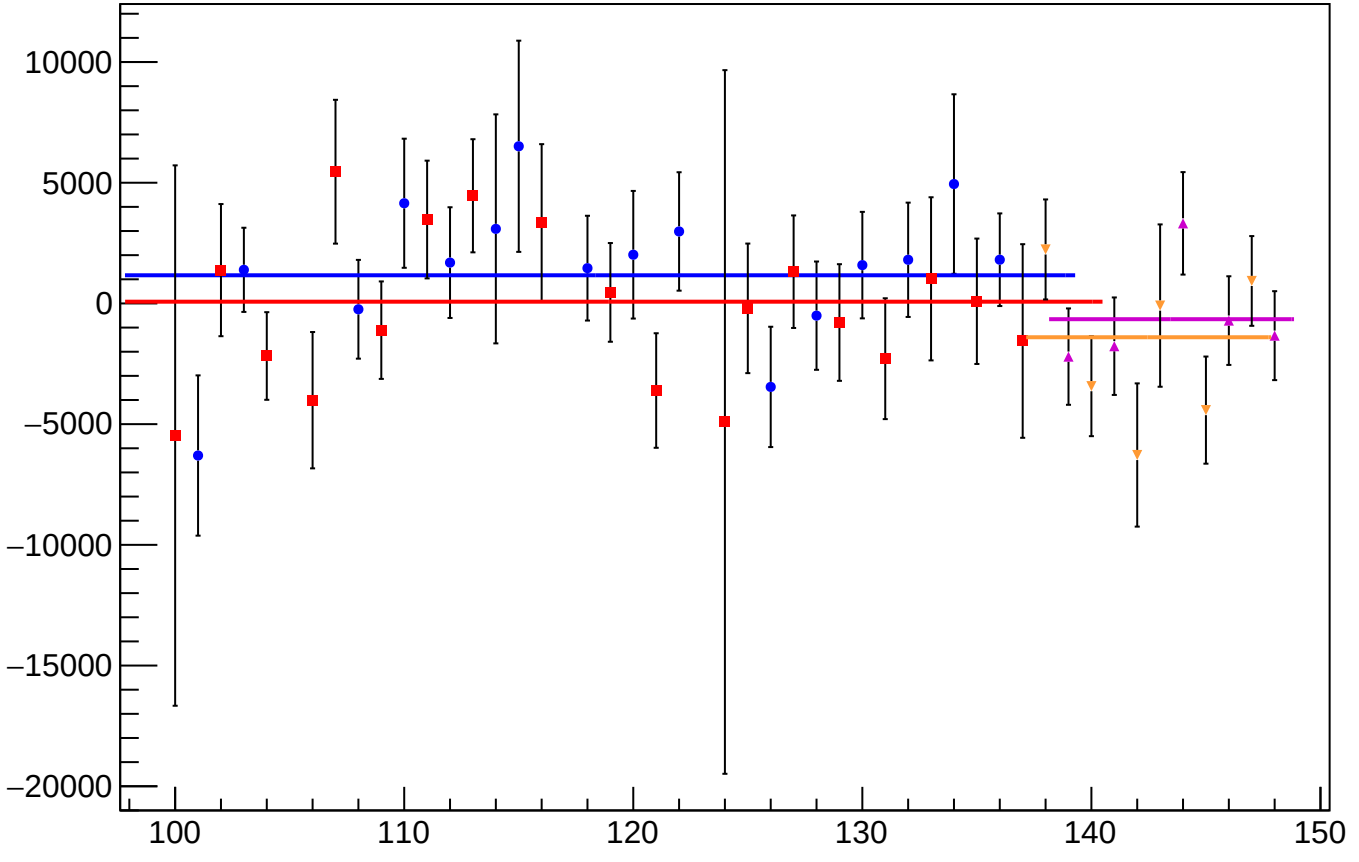
Left In: 856.163+/-0.291 χ^2/NDF:46833.3/4

+ sign 1077.657+/-0.245 χ^2/NDF: 4055638.3/21

All: 1057.862+/-0.169 χ^2/NDF: 7374260.9/45

- sign 1039.843+/-0.234 χ^2/NDF: 3306199.2/23

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

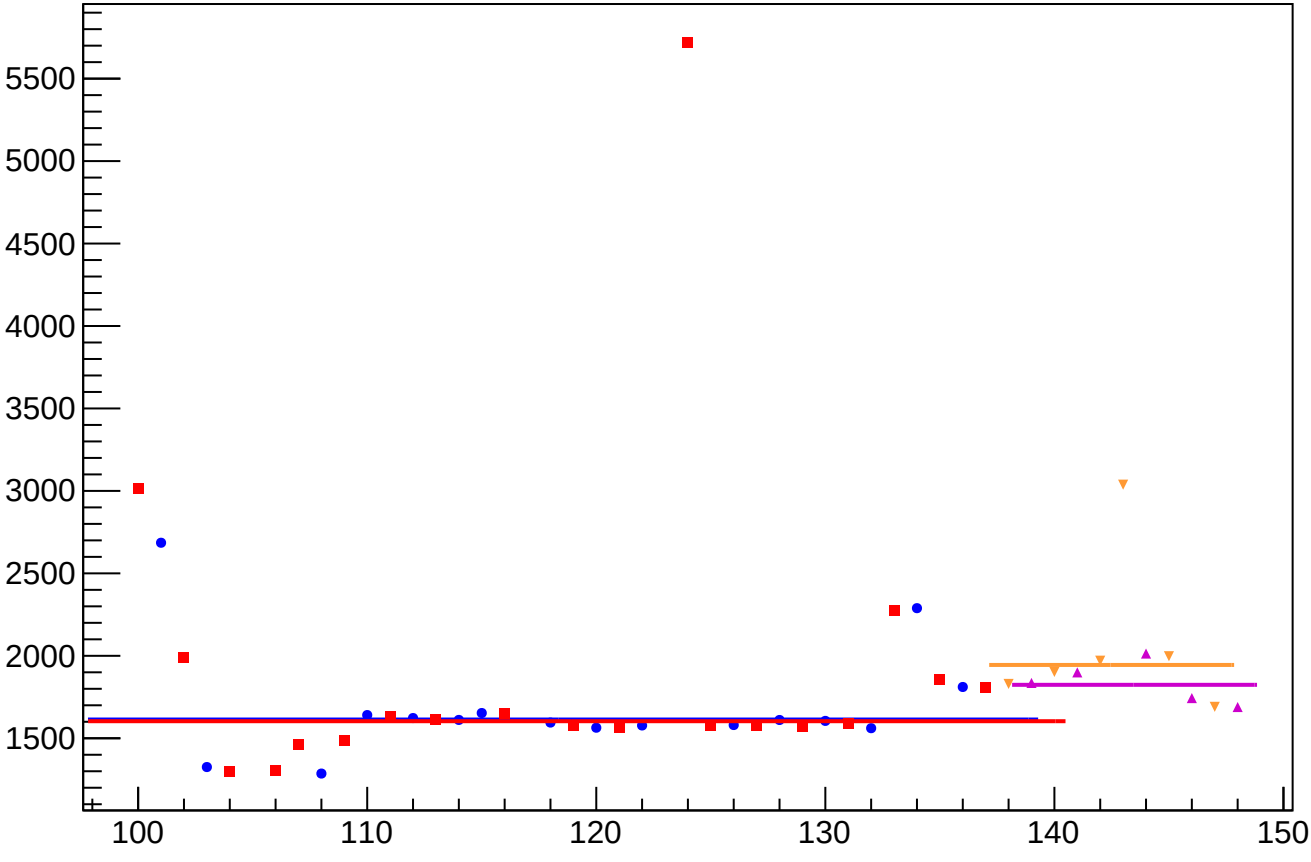
Left In: -652.567+/-873.872 χ^2/NDF:4.5/4

+ sign 393.772+/-509.274 χ^2/NDF: 30.1/21

All: 109.057+/-355.513 χ^2/NDF: 54.0/45

- sign -161.568+/-496.511 χ^2/NDF: 23.3/23

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

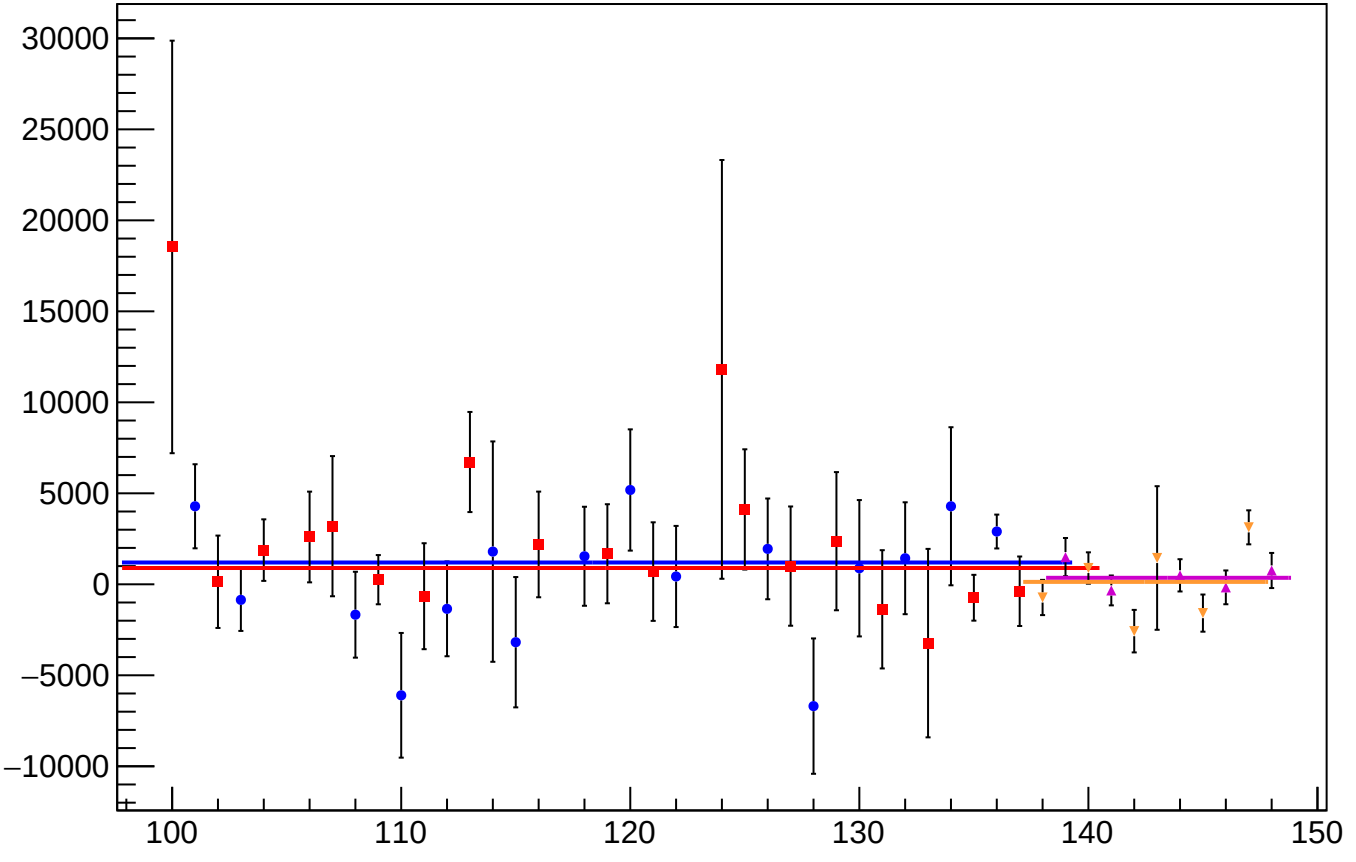
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1713.327+/-0.360 χ^2/NDF: 839516.3/21

All: 1693.517+/-0.251 χ^2/NDF: 1390878.3/45

- sign 1674.688+/-0.351 χ^2/NDF: 545459.3/23

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

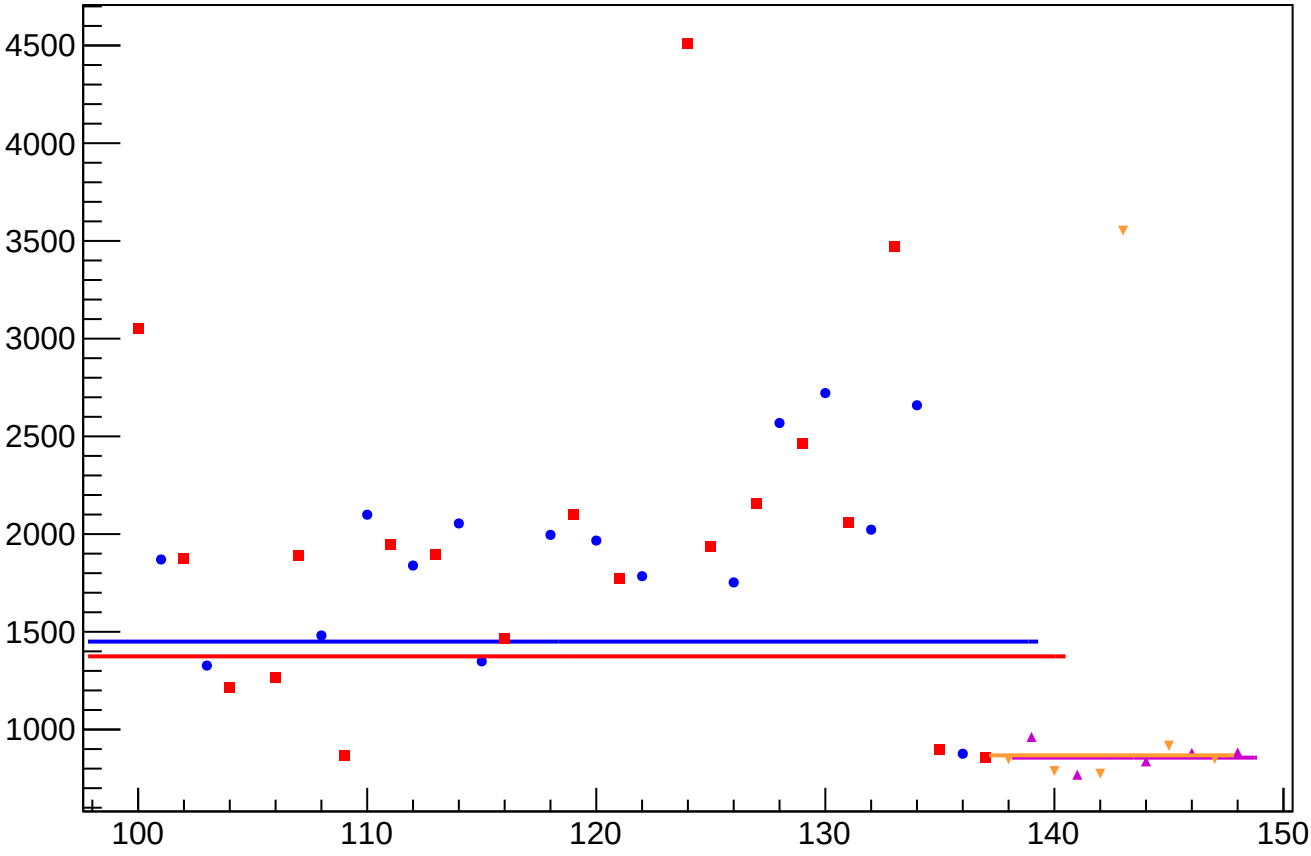
Left In: 356.459+/-411.765 χ^2/NDF:2.4/4

+ sign 516.168+/-346.962 χ^2/NDF: 44.0/21

All: 532.348+/-239.512 χ^2/NDF: 61.2/45

- sign 547.078+/-331.042 χ^2/NDF: 17.2/23

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

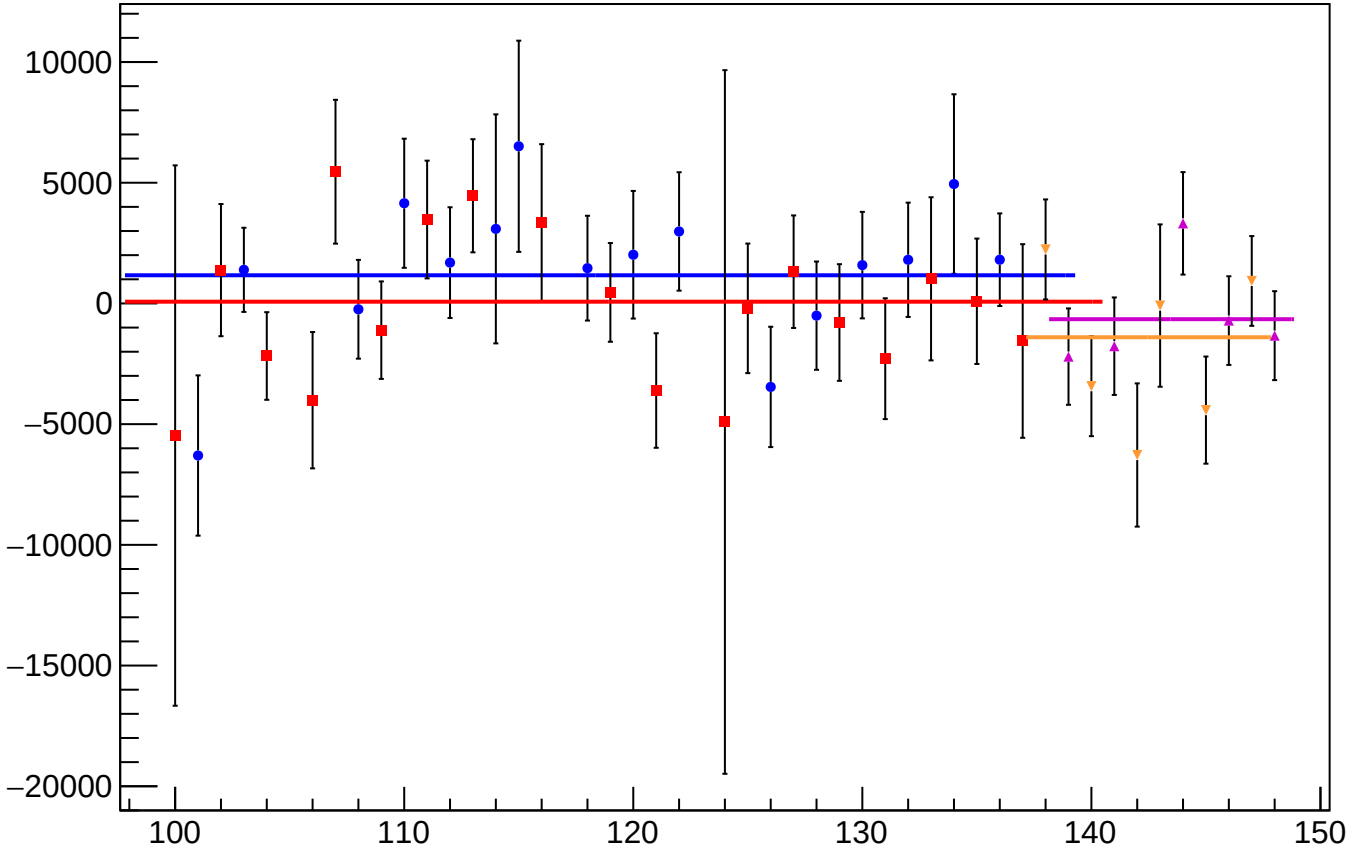
Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

+ sign 1077.452+/-0.245 χ^2/NDF: 4052121.9/21

All: 1057.557+/-0.169 χ^2/NDF: 7359802.7/45

- sign 1039.446+/-0.234 χ^2/NDF: 3295119.0/23

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

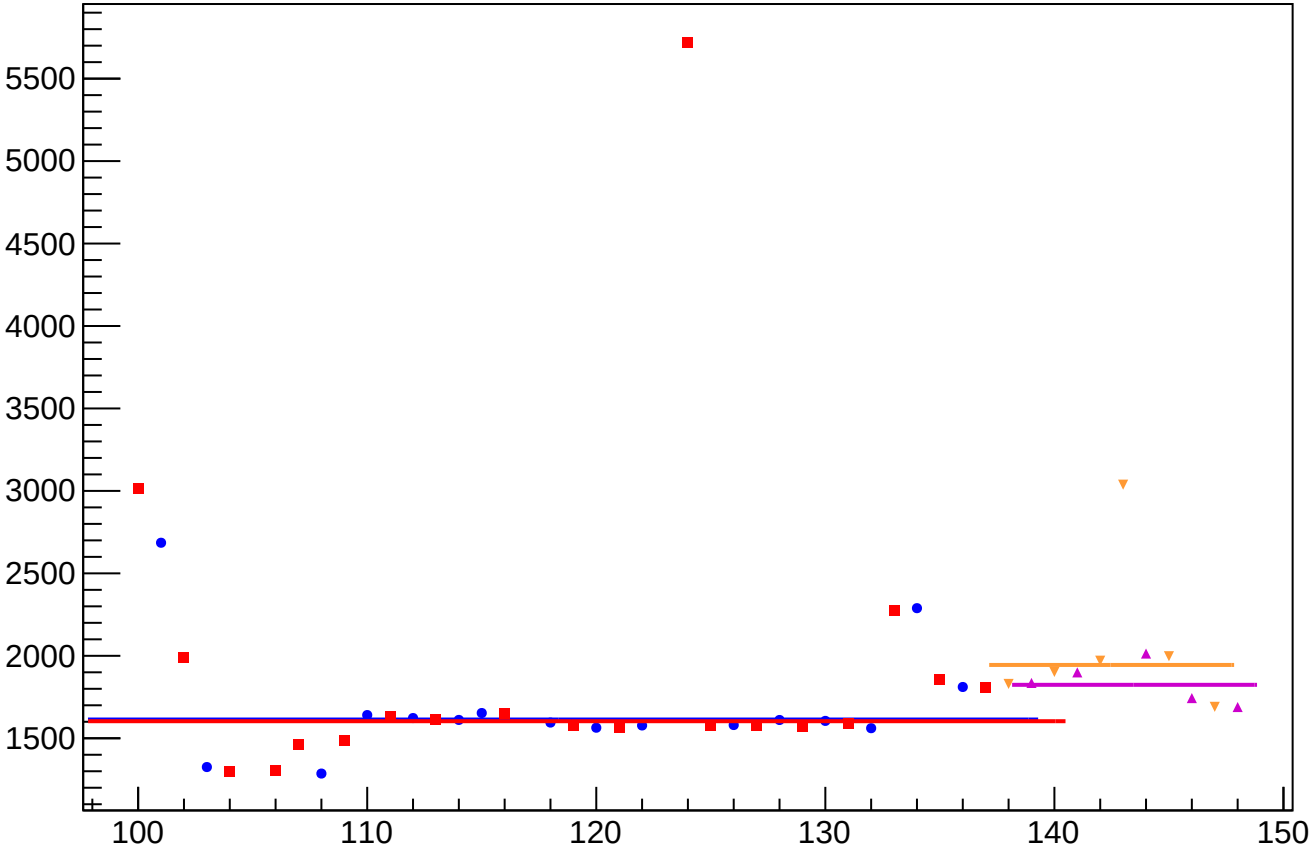
Left In: -652.567+/-873.872 χ^2/NDF:4.5/4

+ sign 393.772+/-509.274 χ^2/NDF: 30.1/21

All: 109.057+/-355.513 χ^2/NDF: 54.0/45

- sign -161.568+/-496.511 χ^2/NDF: 23.3/23

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

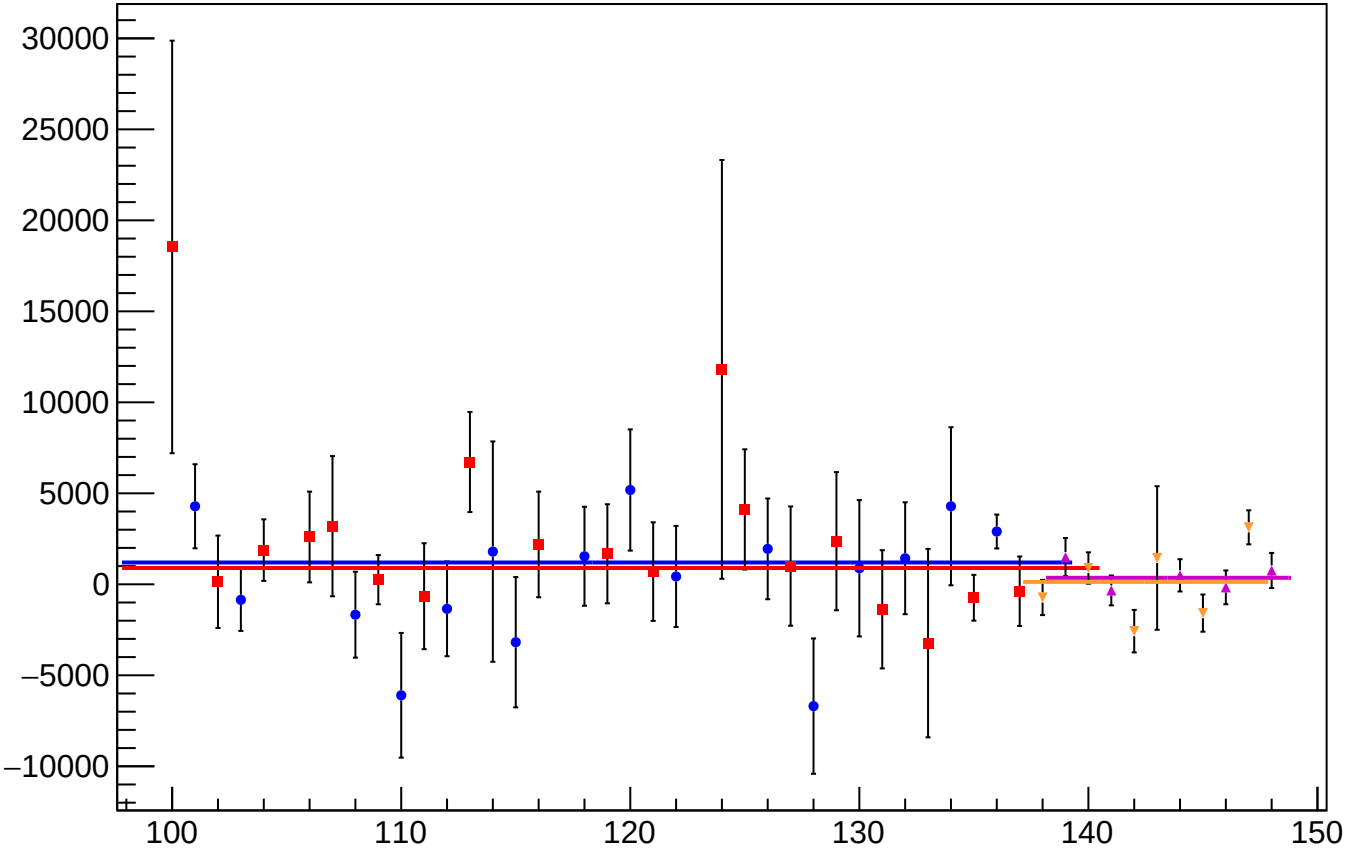
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1713.327+/-0.360 χ^2/NDF: 839516.3/21

All: 1693.517+/-0.251 χ^2/NDF: 1390878.3/45

- sign 1674.688+/-0.351 χ^2/NDF: 545459.3/23

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

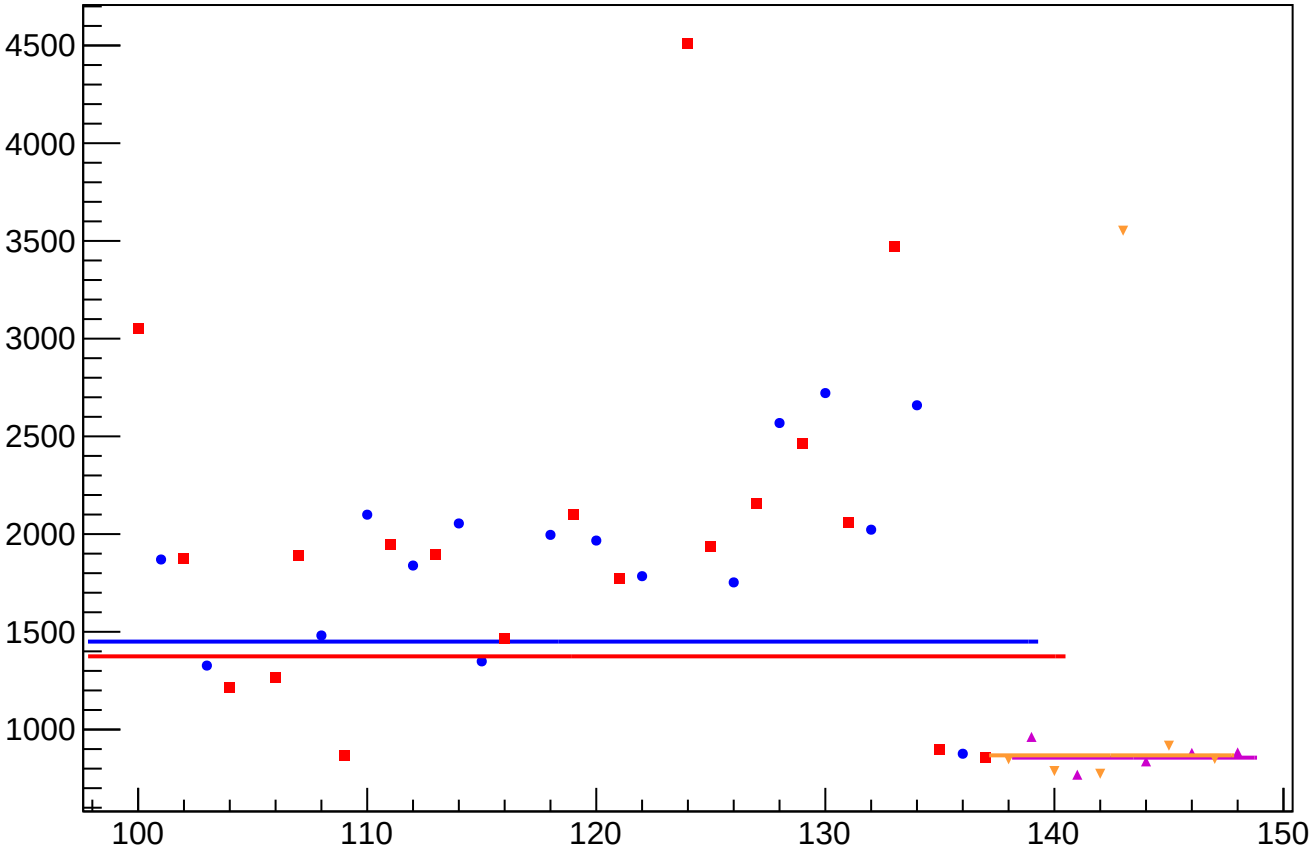
Left In: 356.459+/-411.765 χ^2/NDF:2.4/4

+ sign 516.168+/-346.962 χ^2/NDF: 44.0/21

All: 532.348+/-239.512 χ^2/NDF: 61.2/45

- sign 547.078+/-331.042 χ^2/NDF: 17.2/23

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

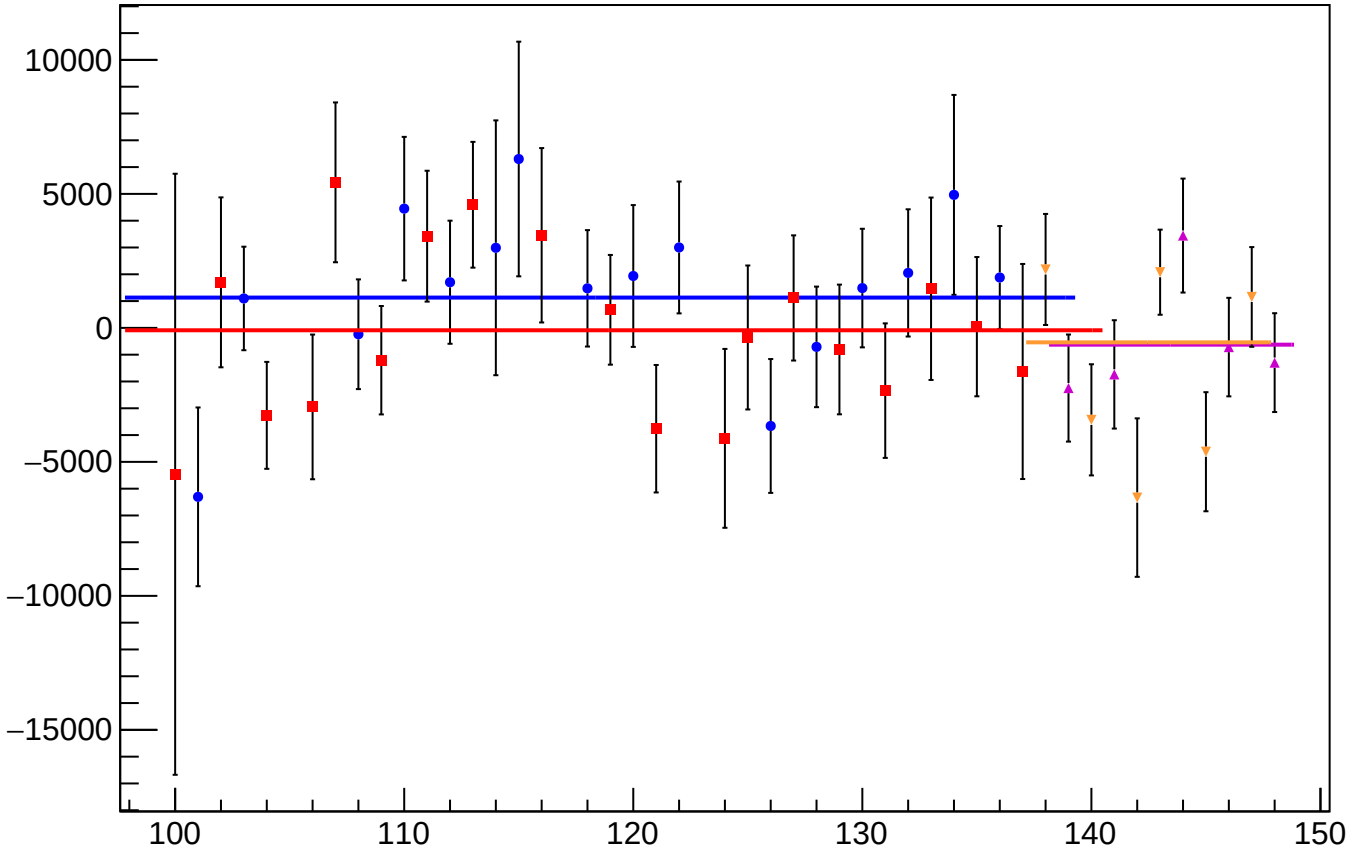
Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

+ sign 1077.452+/-0.245 χ^2/NDF: 4052121.9/21

All: 1057.557+/-0.169 χ^2/NDF: 7359802.7/45

- sign 1039.446+/-0.234 χ^2/NDF: 3295119.0/23

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

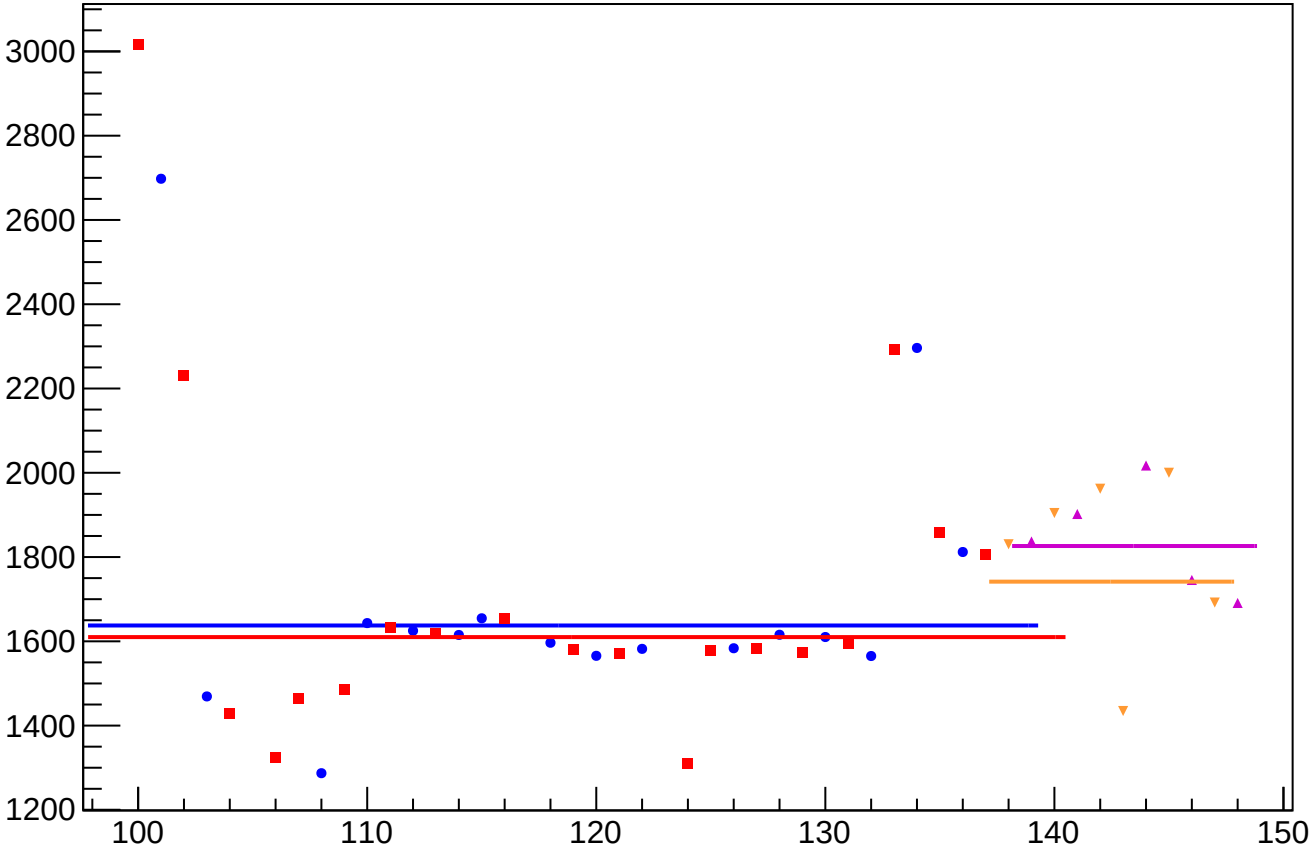
Left In: -626.603+/-874.897 χ^2/NDF:4.8/4

+ sign 531.576+/-494.303 χ^2/NDF: 32.0/21

All: 136.423+/-350.312 χ^2/NDF: 59.0/45

- sign -262.311+/-496.537 χ^2/NDF: 25.7/23

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

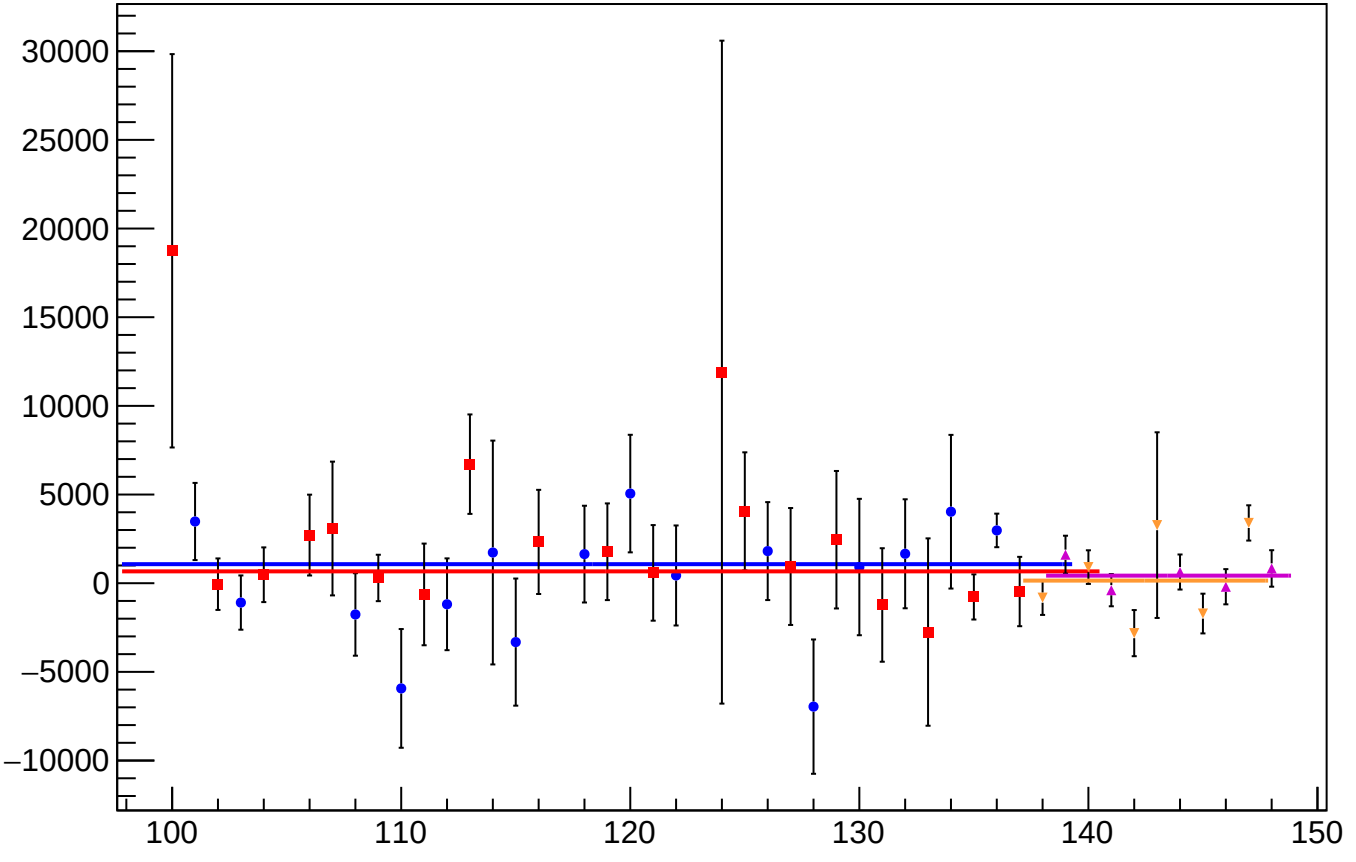
Left In: 1826.184+/-0.619 χ^2/NDF:33612.5/4

+ sign 1674.893+/-0.350 χ^2/NDF: 512174.4/21

All: 1677.267+/-0.248 χ^2/NDF: 909439.9/45

- sign 1679.662+/-0.351 χ^2/NDF: 397172.9/23

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

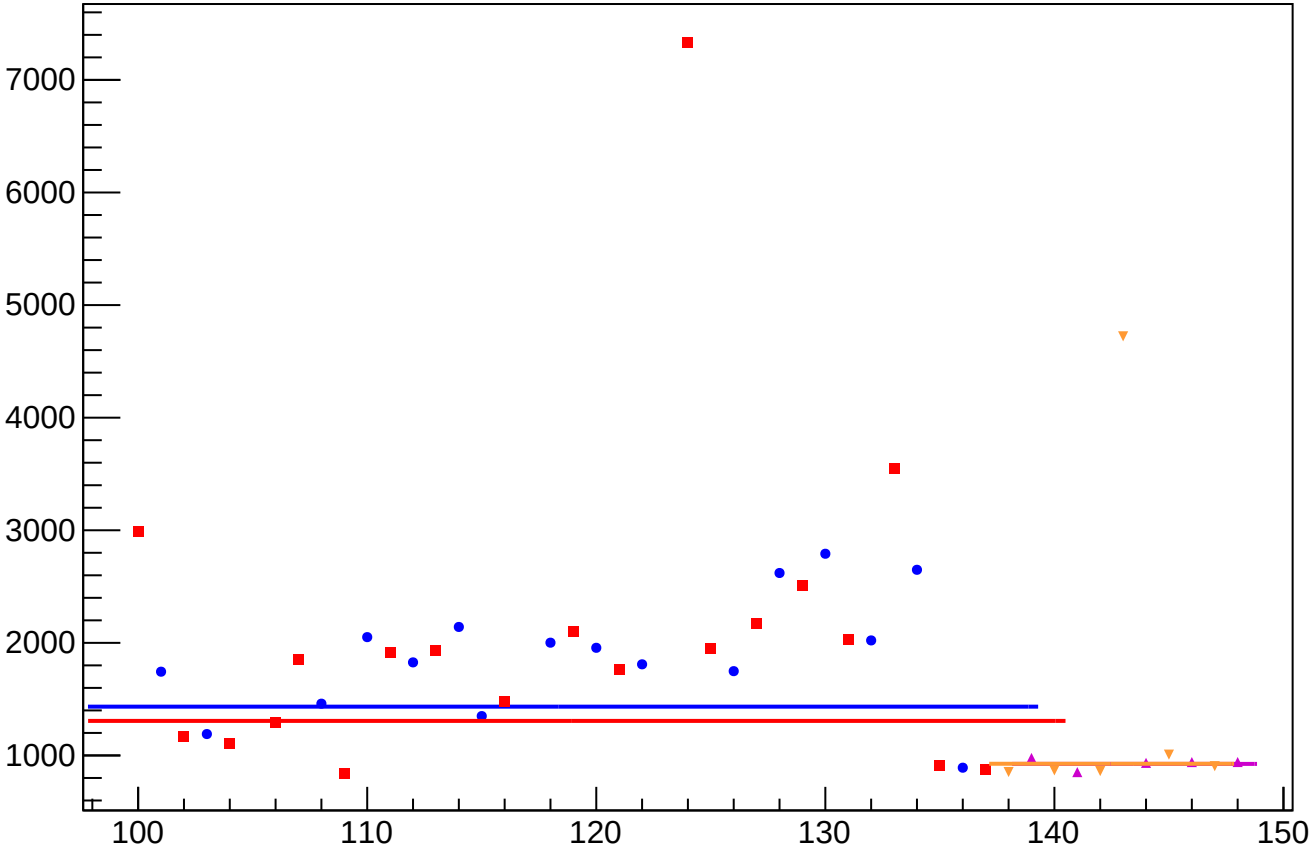
Left In: 426.663+/-444.206 χ^2/NDF:2.6/4

\+ sign 517.149+/-361.256 χ^2/NDF: 44.2/21

All: 522.711+/-247.085 χ^2/NDF: 60.5/45

\- sign 527.600+/-338.697 χ^2/NDF: 16.3/23

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

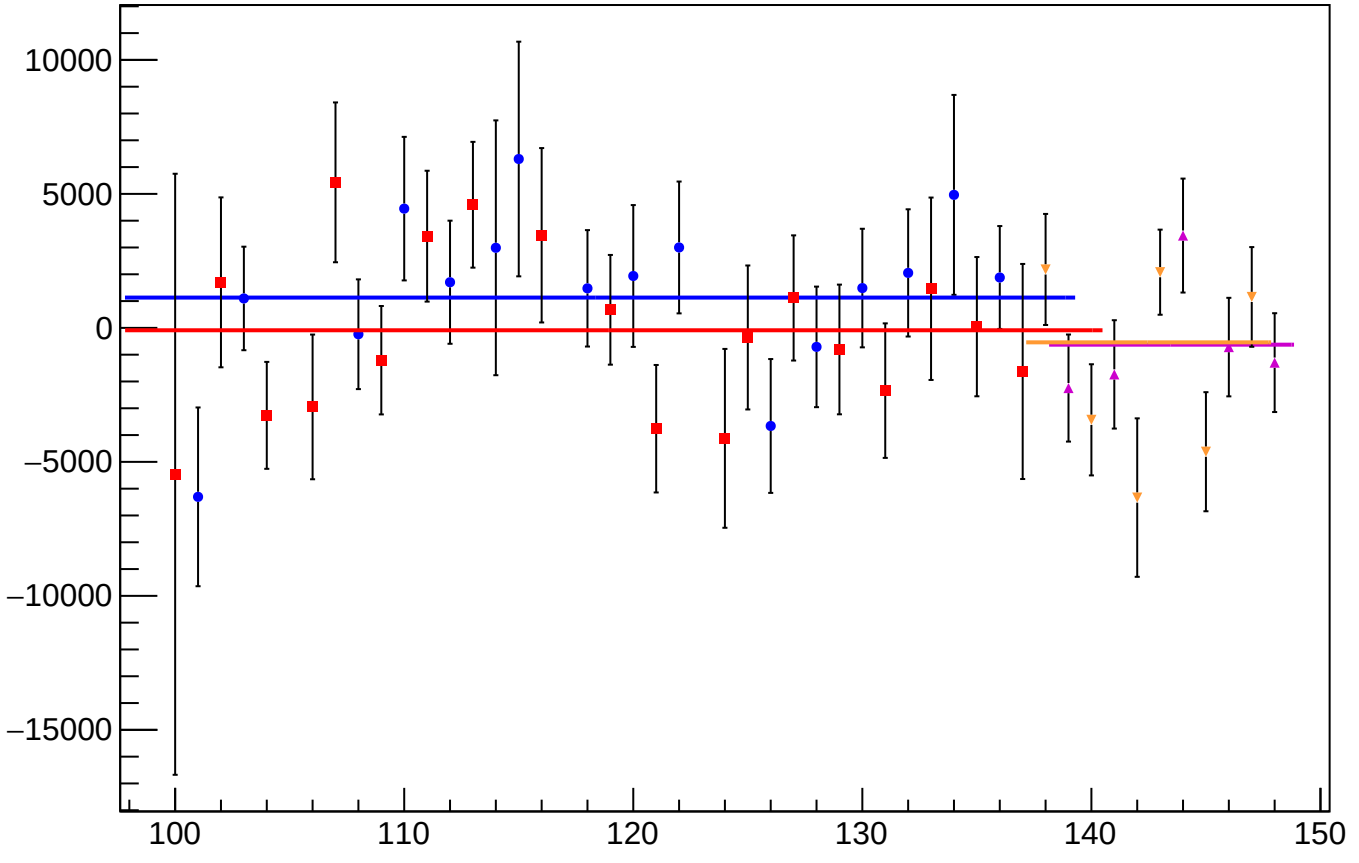
Left In: 924.965+/-0.314 χ^2/NDF:19001.8/4

+ sign 1128.844+/-0.255 χ^2/NDF: 3796519.9/21

All: 1105.425+/-0.175 χ^2/NDF: 6634080.3/45

- sign 1084.839+/-0.239 χ^2/NDF: 2821767.5/23

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

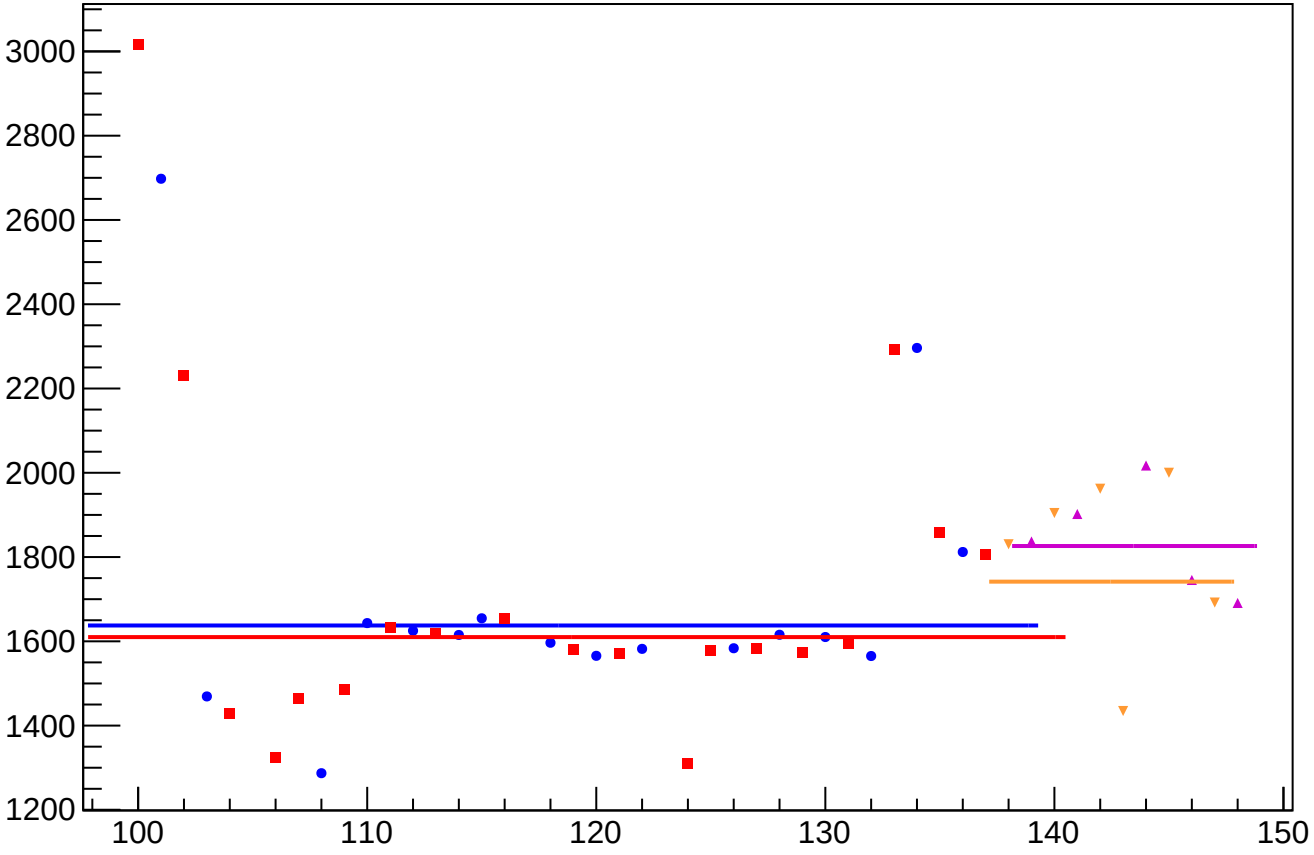
Left In: -626.595+/-874.897 χ^2/NDF:4.8/4

+ sign 531.572+/-494.303 χ^2/NDF: 32.0/21

All: 136.420+/-350.312 χ^2/NDF: 59.0/45

- sign -262.312+/-496.537 χ^2/NDF: 25.7/23

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

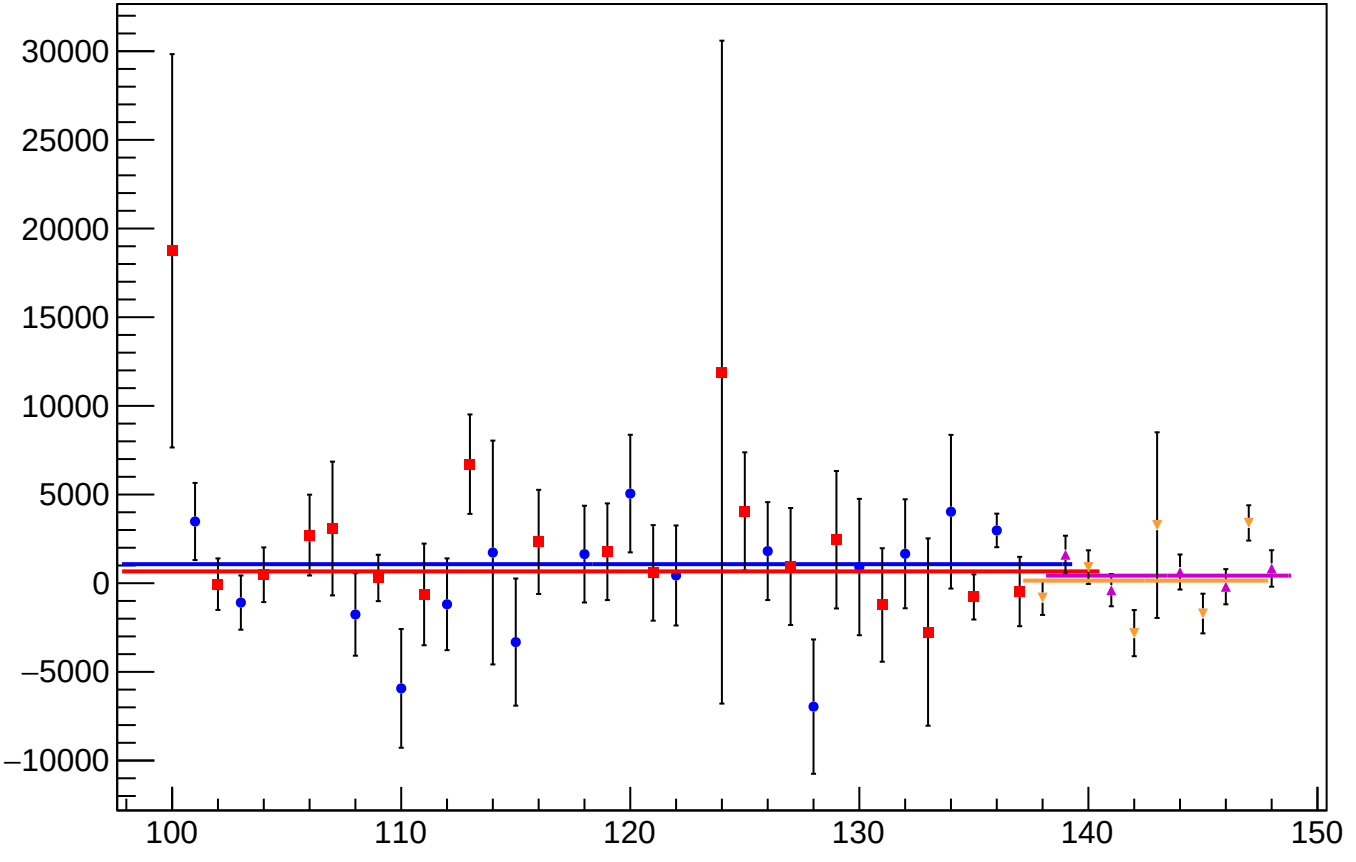
Left In: 1826.184+/-0.619 χ^2/NDF:33612.6/4

+ sign 1674.893+/-0.350 χ^2/NDF: 512173.4/21

All: 1677.267+/-0.248 χ^2/NDF: 909439.2/45

- sign 1679.662+/-0.351 χ^2/NDF: 397173.2/23

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

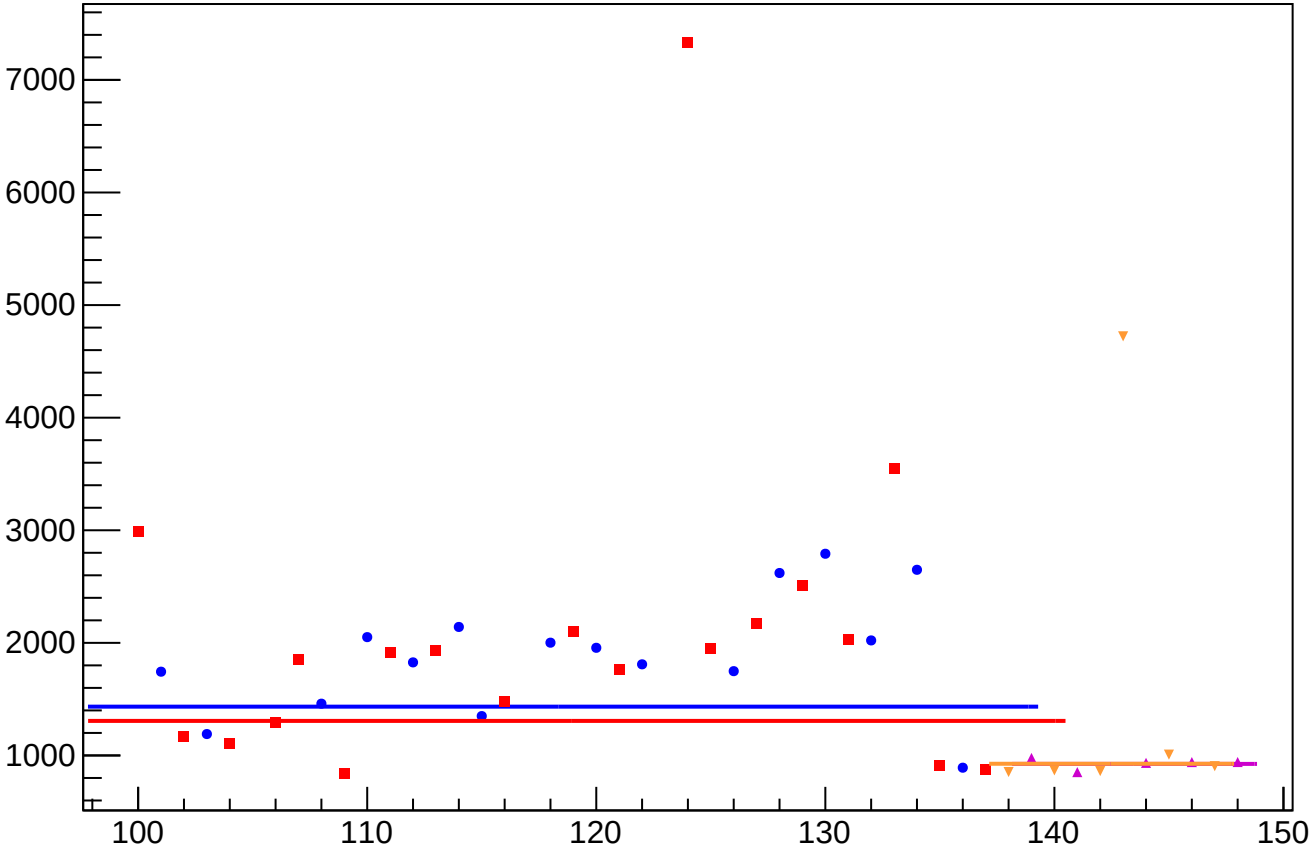
Left In: 426.661+/-444.207 χ^2/NDF:2.6/4

\+ sign 517.153+/-361.259 χ^2/NDF: 44.2/21

All: 522.715+/-247.087 χ^2/NDF: 60.5/45

\- sign 527.603+/-338.698 χ^2/NDF: 16.3/23

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

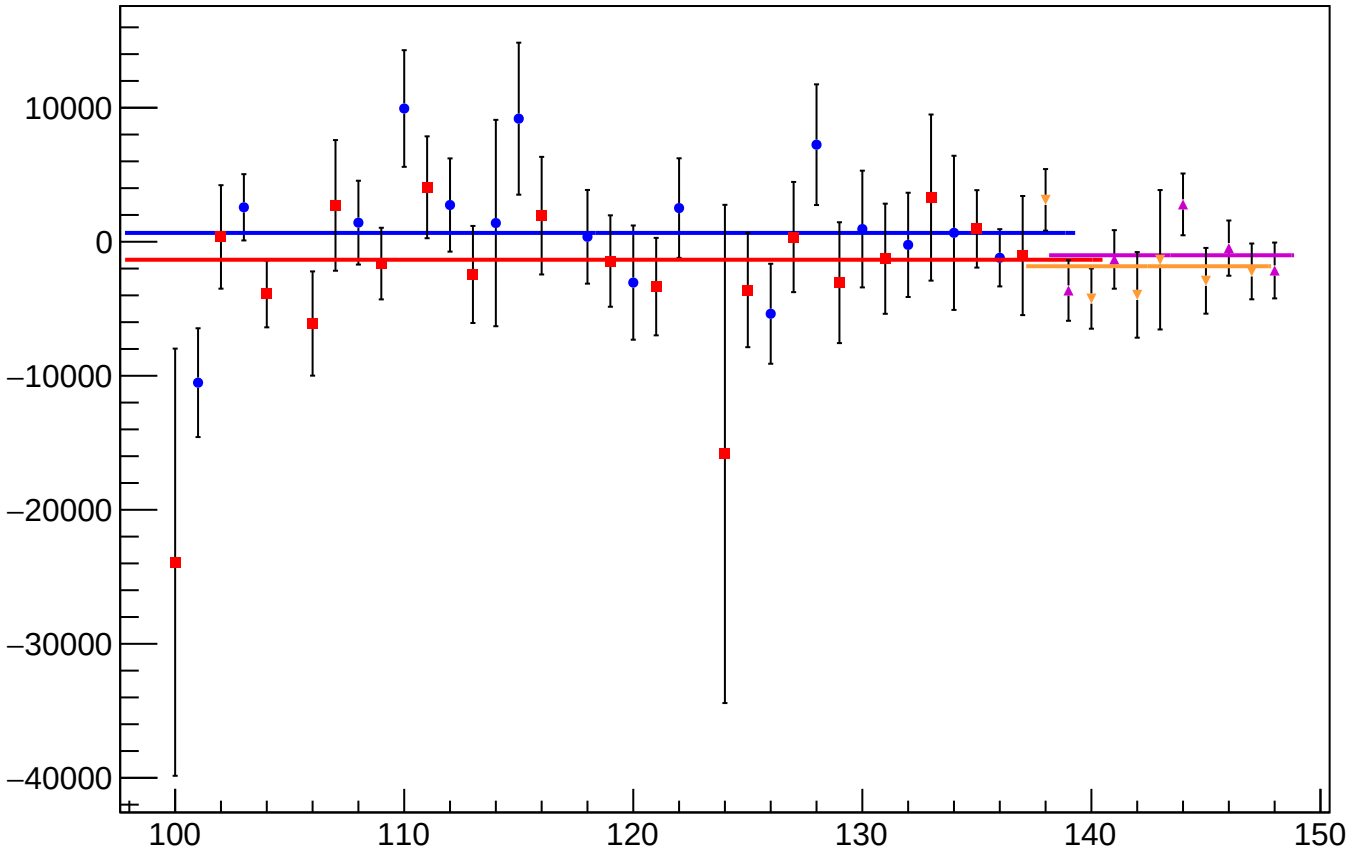
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 924.967+/-0.314 χ^2/NDF:19002.6/4

+ sign 1128.856+/-0.255 χ^2/NDF: 3796424.0/21

All: 1105.433+/-0.175 χ^2/NDF: 6633947.8/45

- sign 1084.845+/-0.239 χ^2/NDF: 2821726.7/23



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

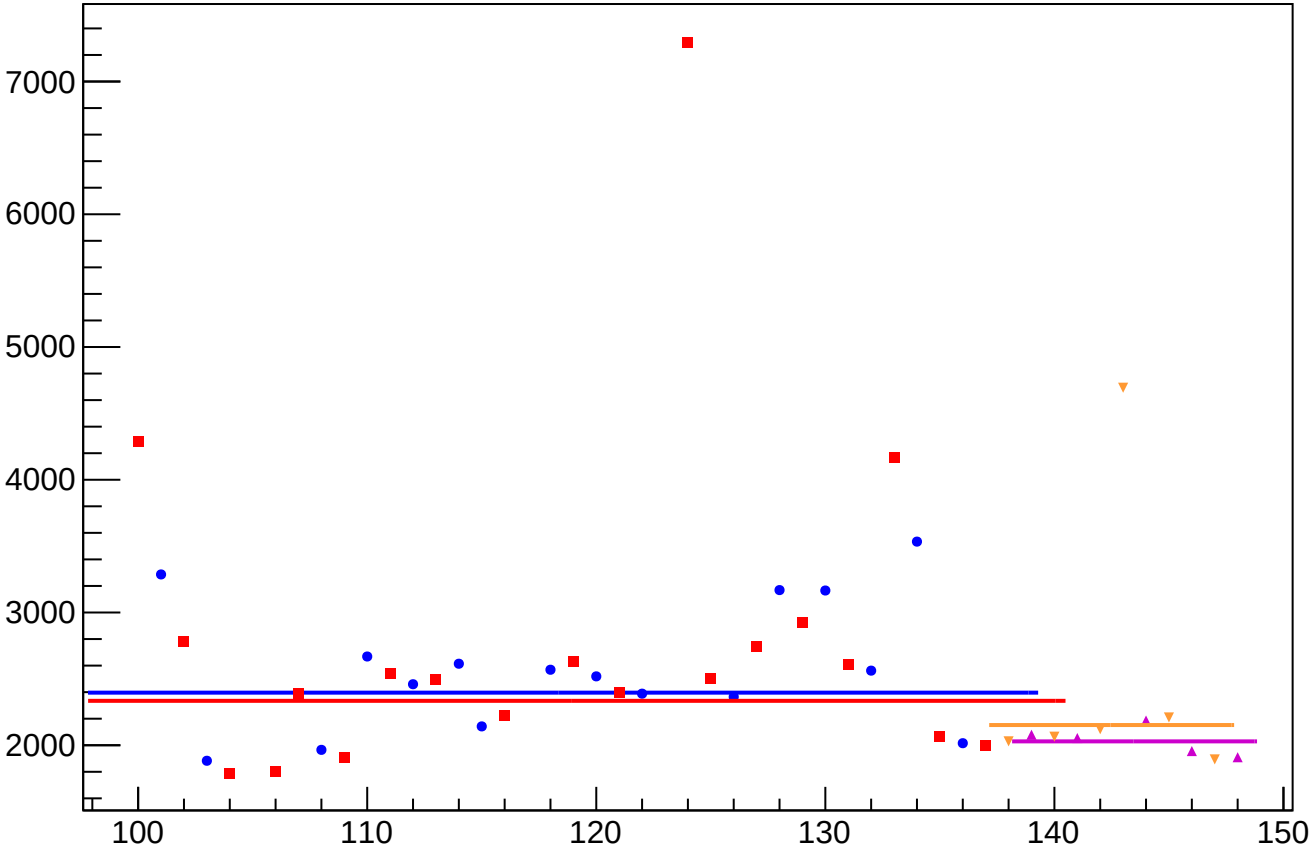
Left In: -1007.933+/-971.457 χ^2/NDF:4.4/4

+ sign -414.829+/-685.509 χ^2/NDF: 31.7/21

All: -818.895+/-474.127 χ^2/NDF: 47.7/45

- sign -1189.449+/-656.467 χ^2/NDF: 15.3/23

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

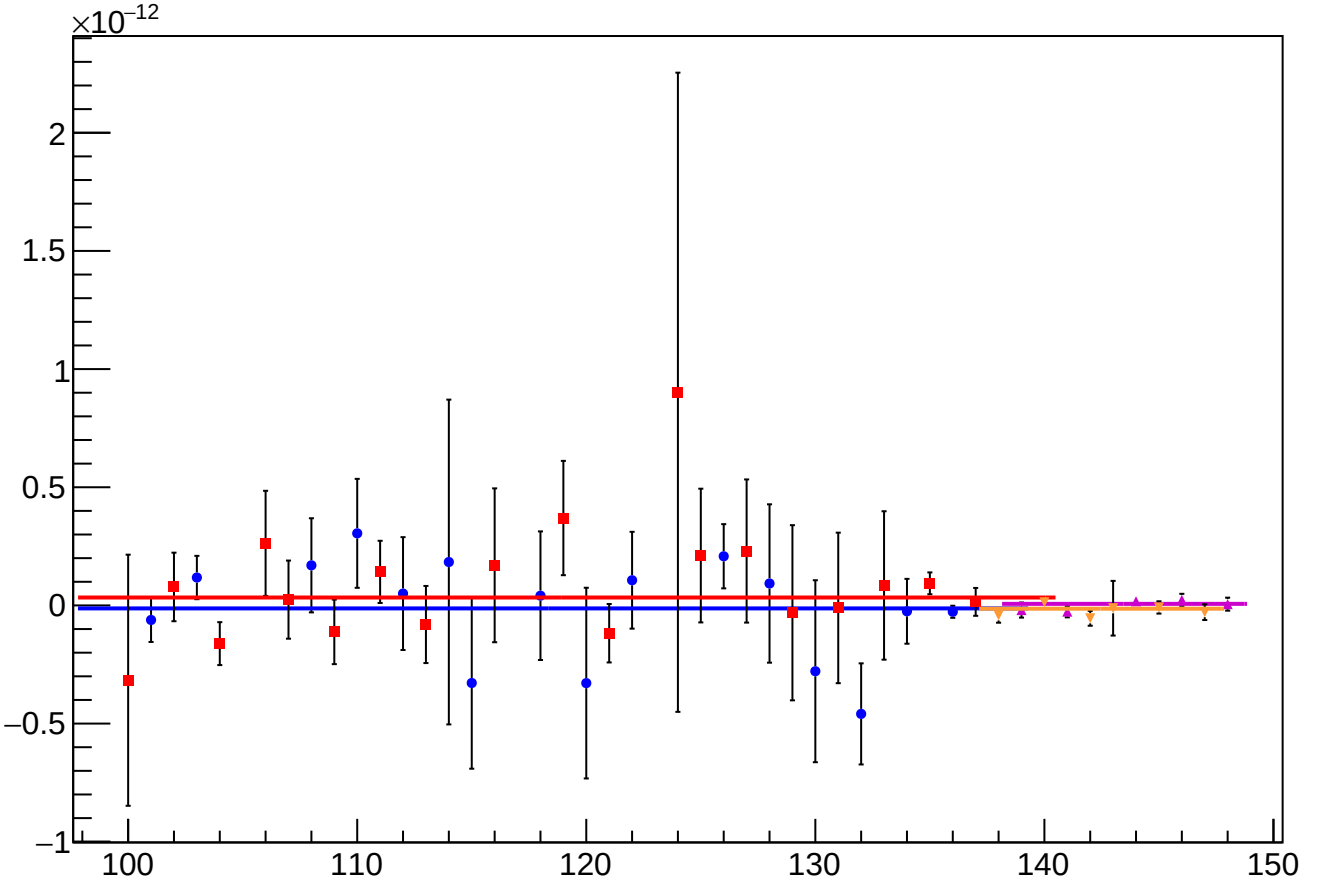
Left In: 2029.167+/-0.687 χ^2/NDF:19617.3/4

+ sign 2290.849+/-0.485 χ^2/NDF: 1088428.9/21

All: 2240.915+/-0.335 χ^2/NDF: 1917377.4/45

- sign 2195.123+/-0.464 χ^2/NDF: 808604.6/23

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

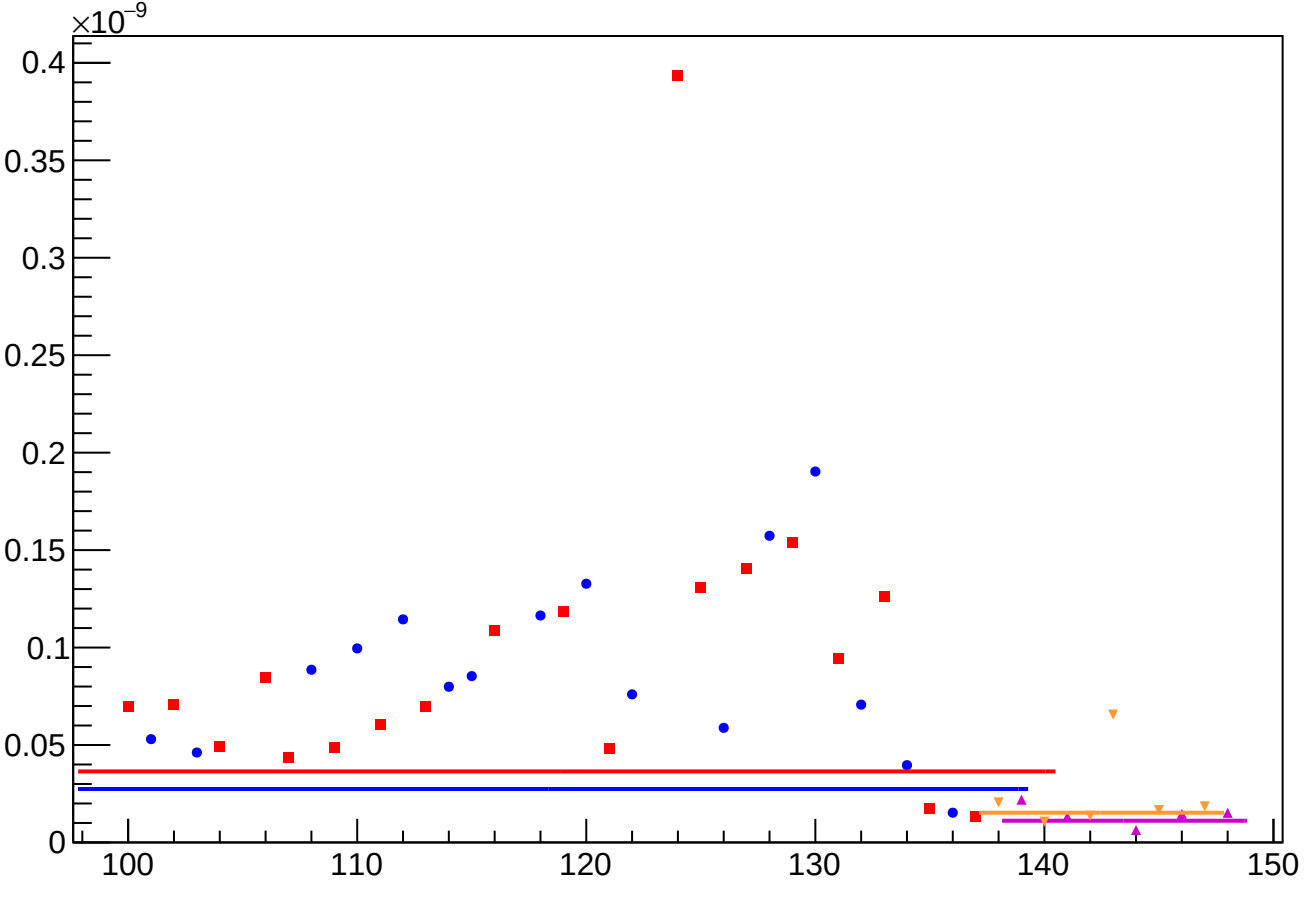
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/21

All: -0.000+/-0.000 χ^2/NDF: 42.0/45

- sign 0.000+/-0.000 χ^2/NDF: 19.6/23



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

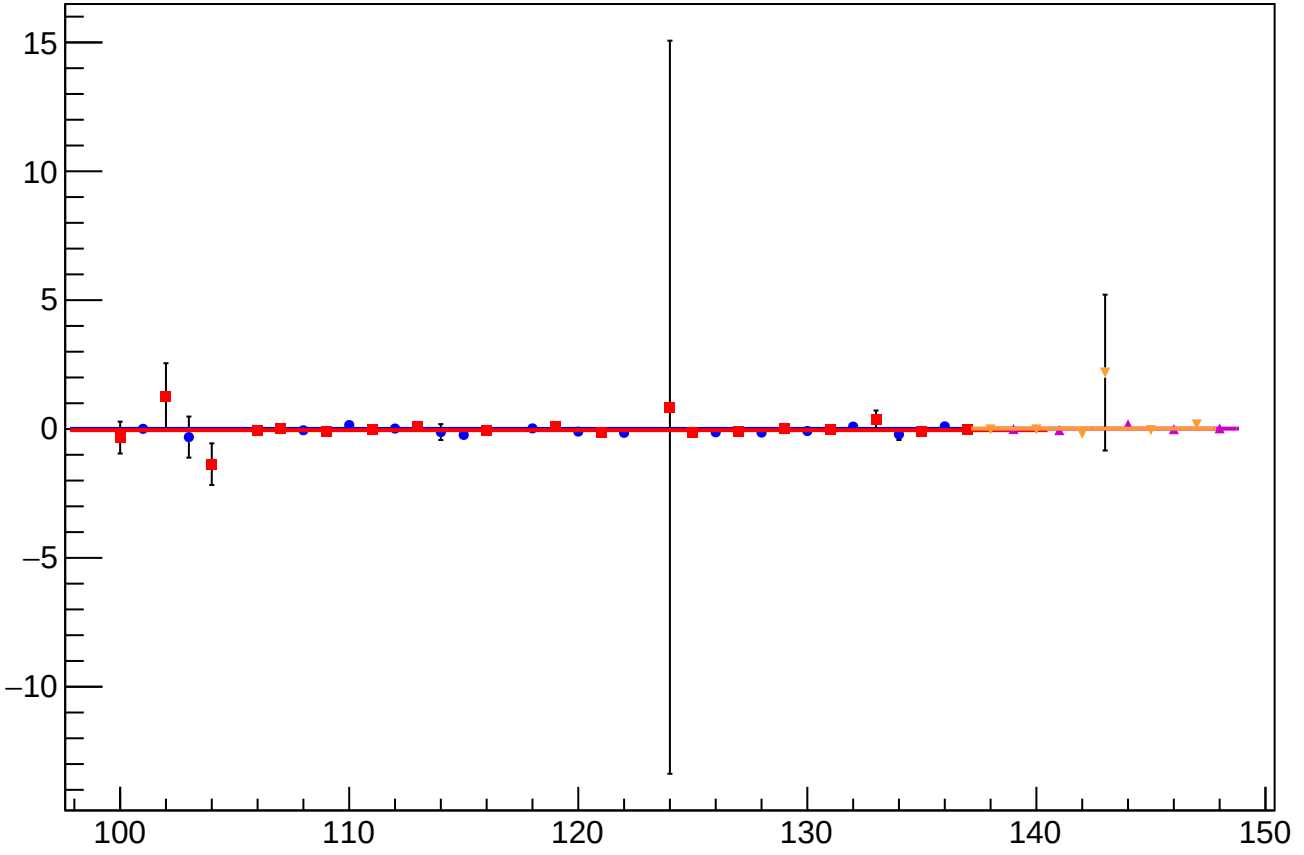
Left In: 0.000+/-0.000 χ^2/NDF:567862.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3782787.5/21

All: 0.000+/-0.000 χ^2/NDF: 8428966.1/45

- sign 0.000+/-0.000 χ^2/NDF: 4471071.1/23

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

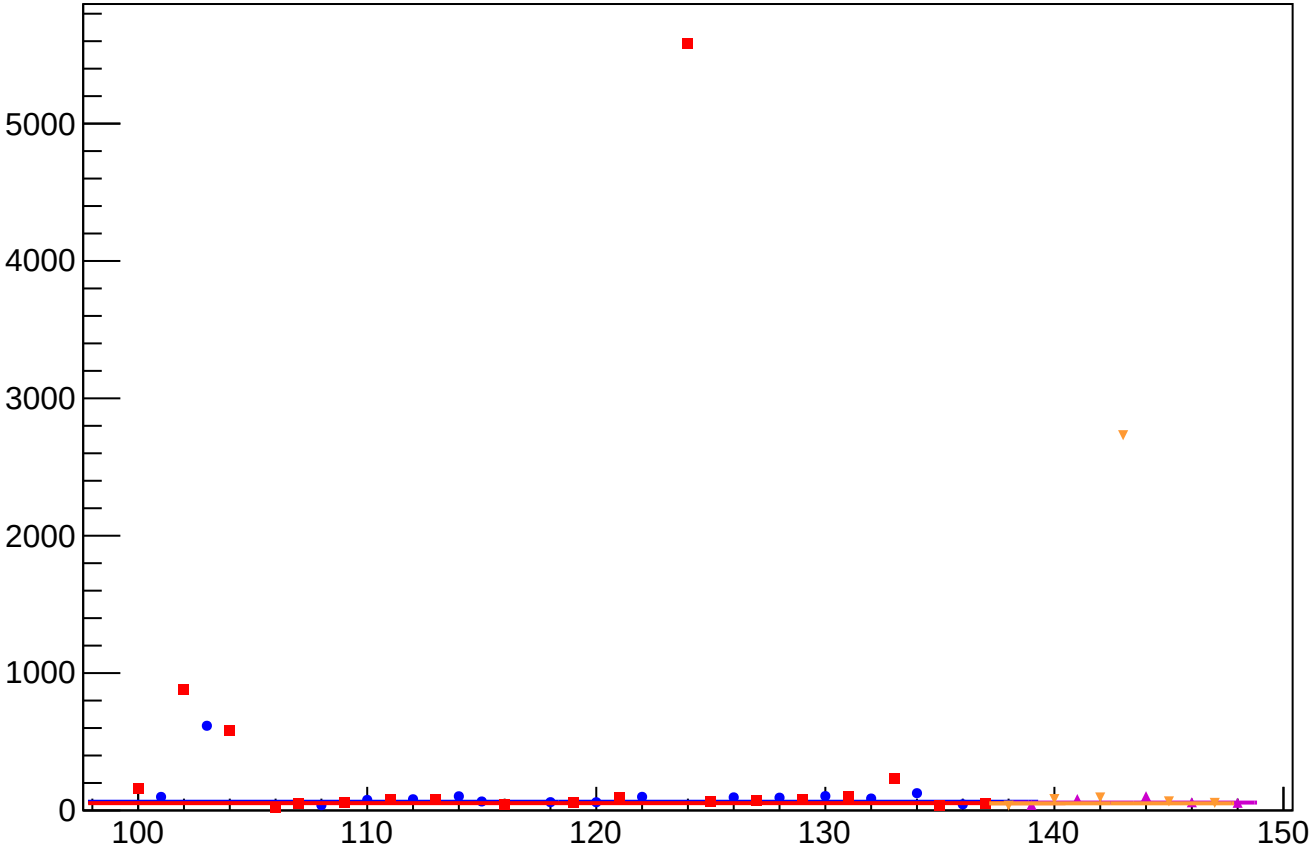
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.007+/-0.014 χ^2/NDF: 42.1/45

- sign -0.021+/-0.019 χ^2/NDF: 17.7/23

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

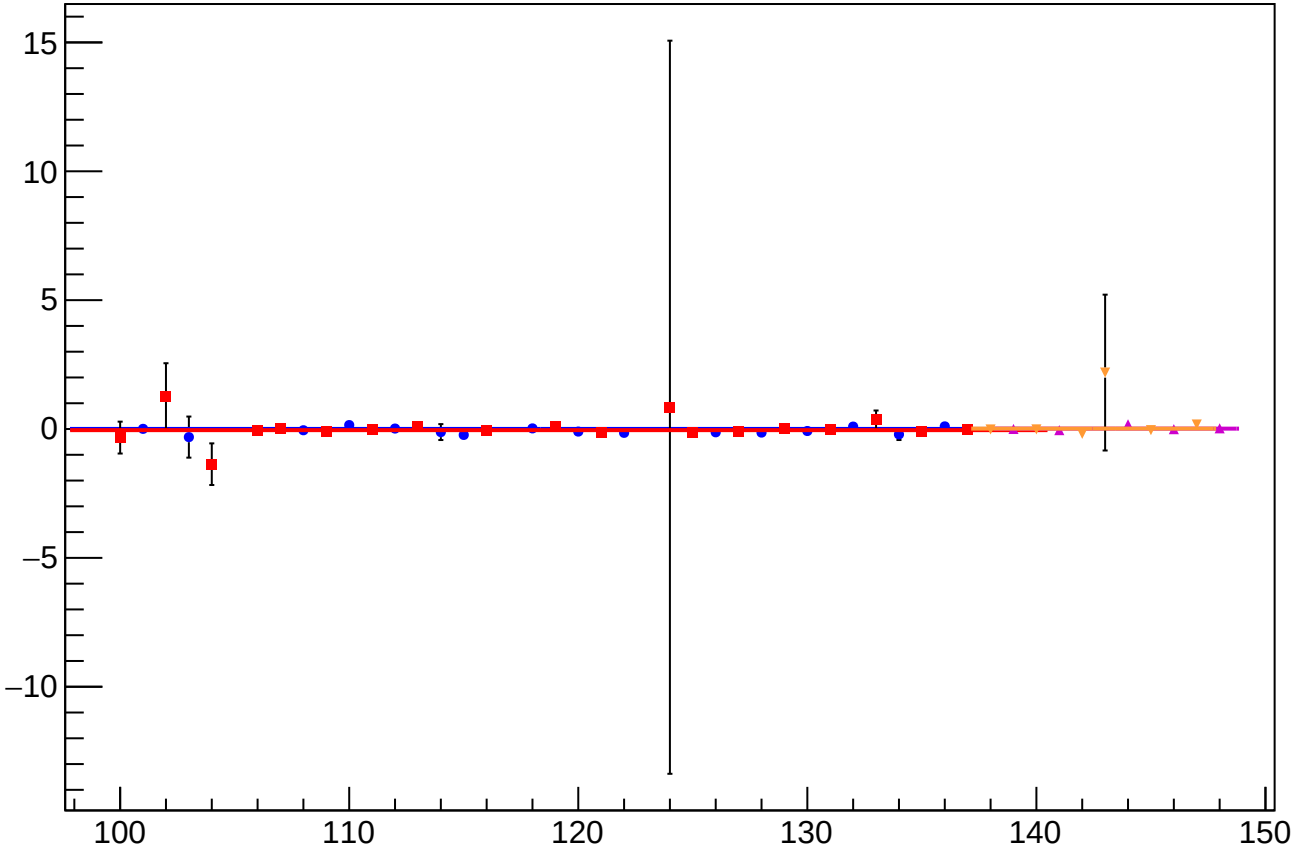
Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

+ sign 58.325+/-0.014 χ^2/NDF: 4925620.5/21

All: 56.500+/-0.010 χ^2/NDF: 9651196.3/45

- sign 54.852+/-0.014 χ^2/NDF: 4694922.5/23

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

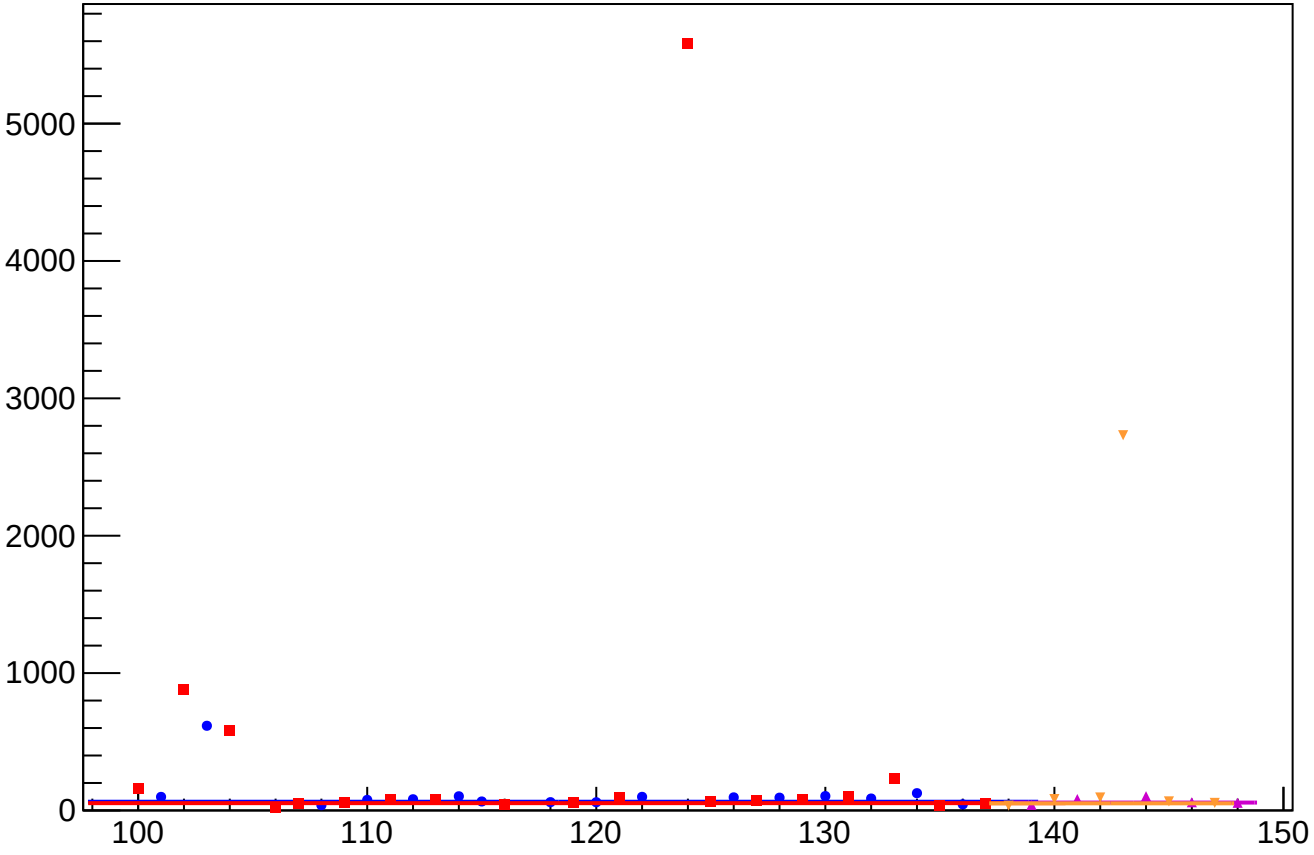
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.007+/-0.014 χ^2/NDF: 42.1/45

- sign -0.021+/-0.019 χ^2/NDF: 17.7/23

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

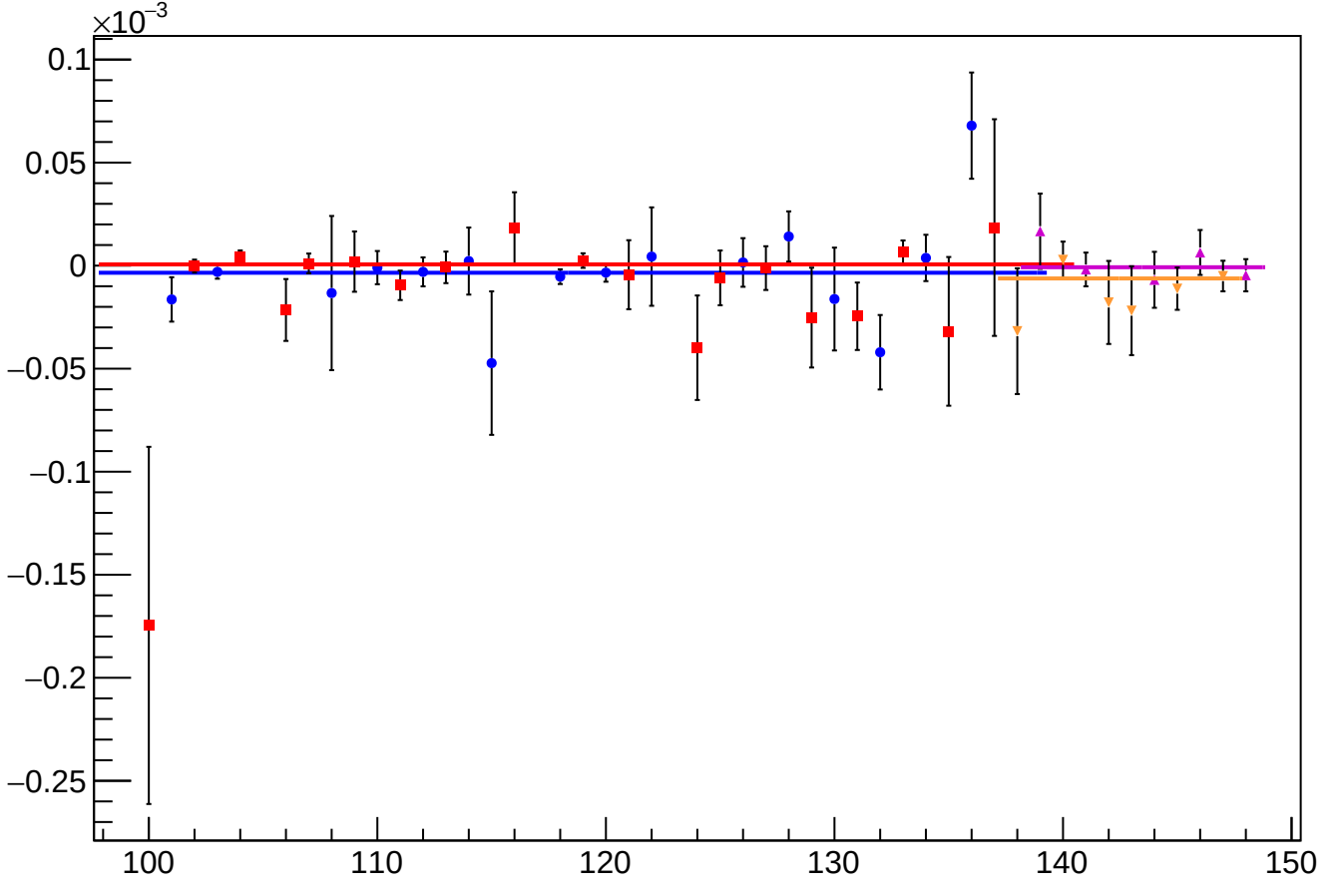
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

+ sign 58.325+/-0.014 χ^2/NDF: 4925620.5/21

All: 56.500+/-0.010 χ^2/NDF: 9651196.3/45

- sign 54.852+/-0.014 χ^2/NDF: 4694922.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

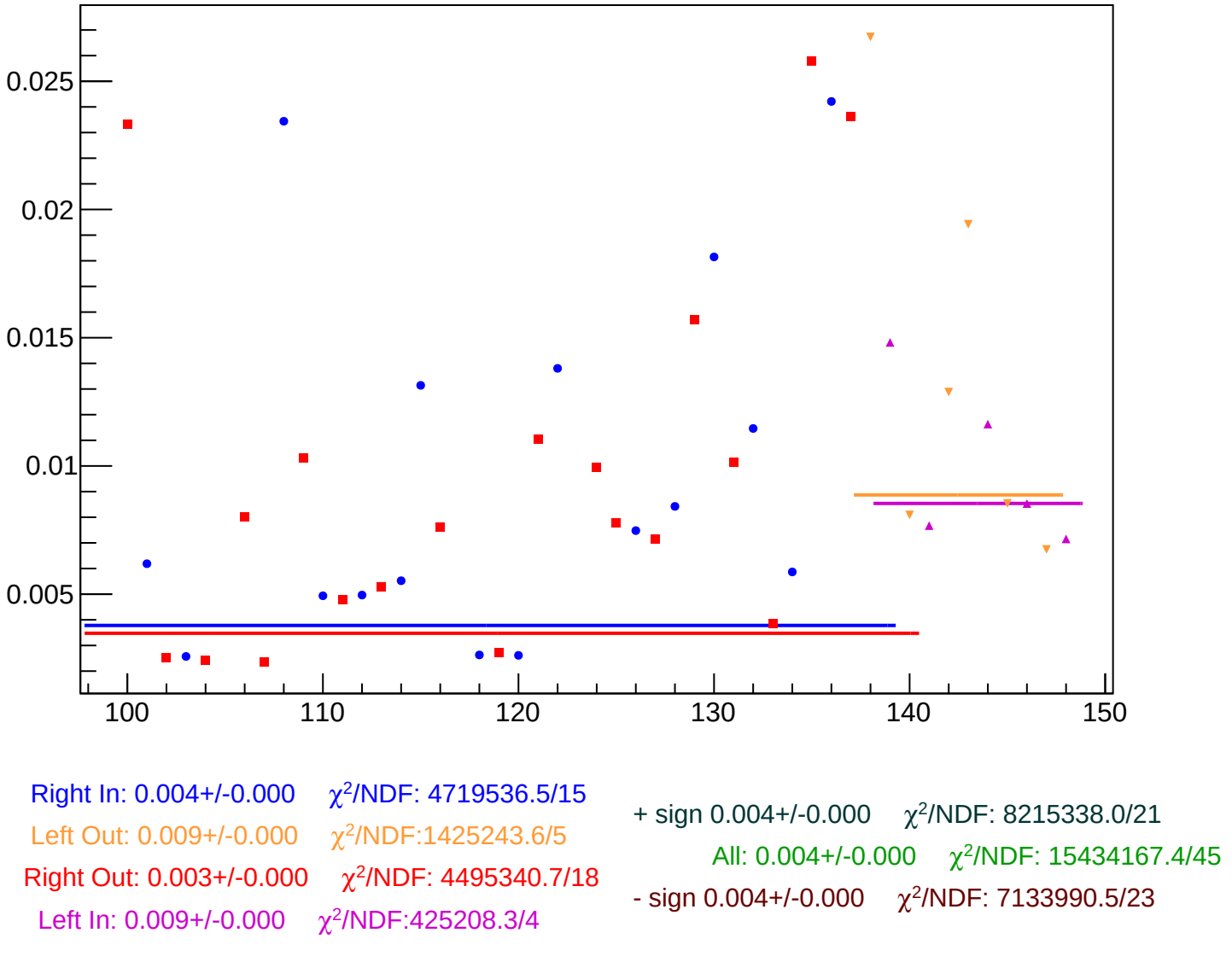
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

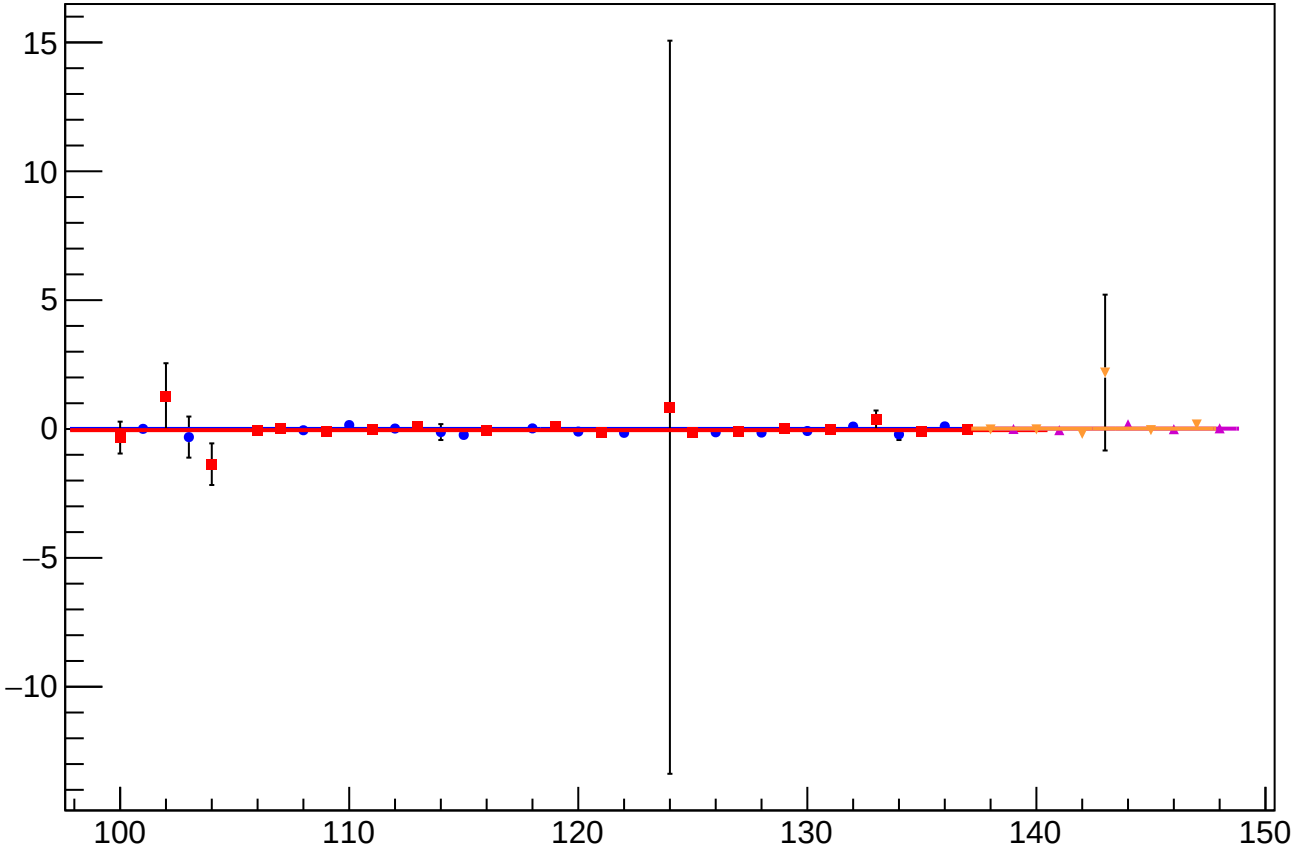
+ sign -0.000+/-0.000 χ^2/NDF: 22.1/21

All: -0.000+/-0.000 χ^2/NDF: 46.7/45

- sign 0.000+/-0.000 χ^2/NDF: 21.0/23


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.009+/-0.000 χ²/NDF:1425243.6/5
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.009+/-0.000 χ²/NDF:425208.3/4
+ sign 0.004+/-0.000 χ²/NDF: 8215338.0/21
All: 0.004+/-0.000 χ²/NDF: 15434167.4/45
- sign 0.004+/-0.000 χ²/NDF: 7133990.5/23

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

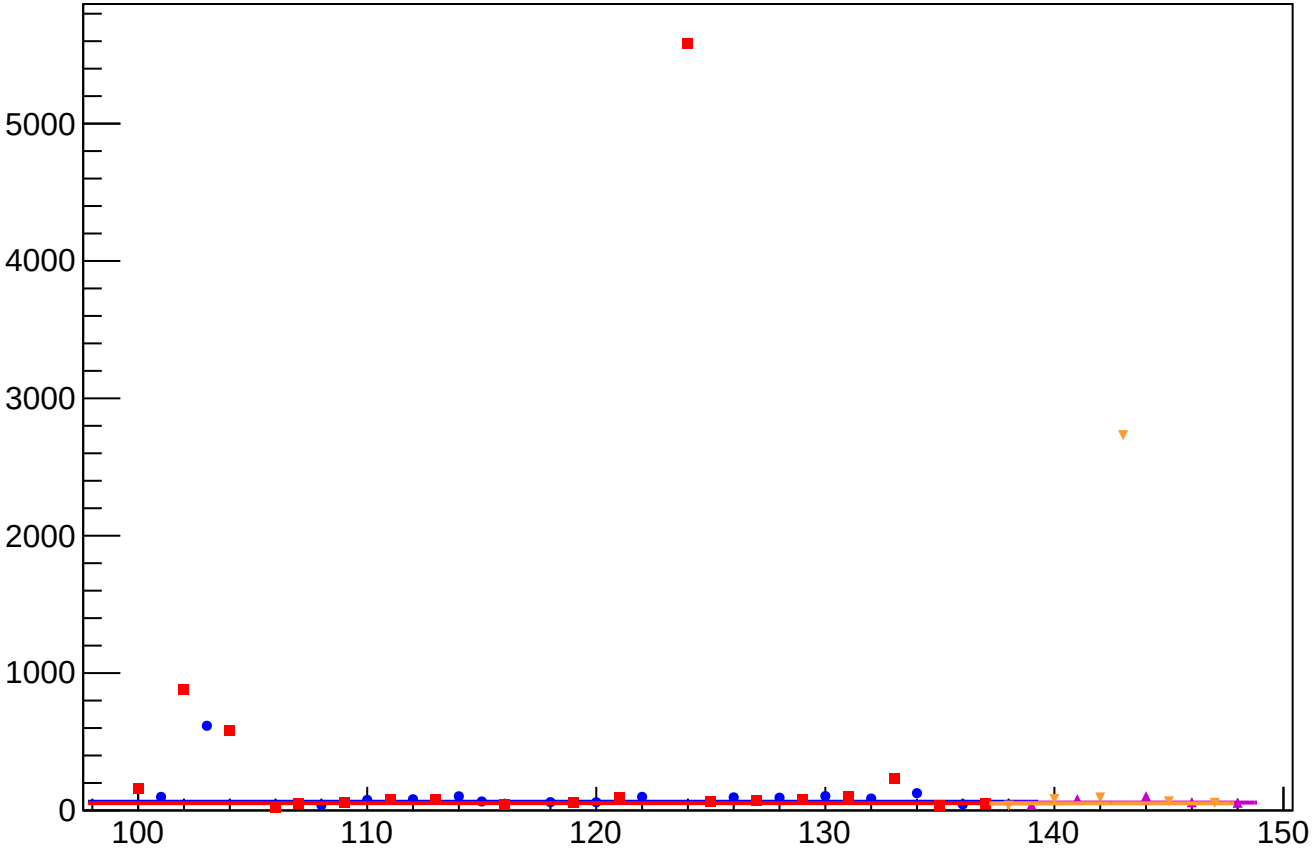
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.007+/-0.014 χ^2/NDF: 42.1/45

- sign -0.021+/-0.019 χ^2/NDF: 17.7/23

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

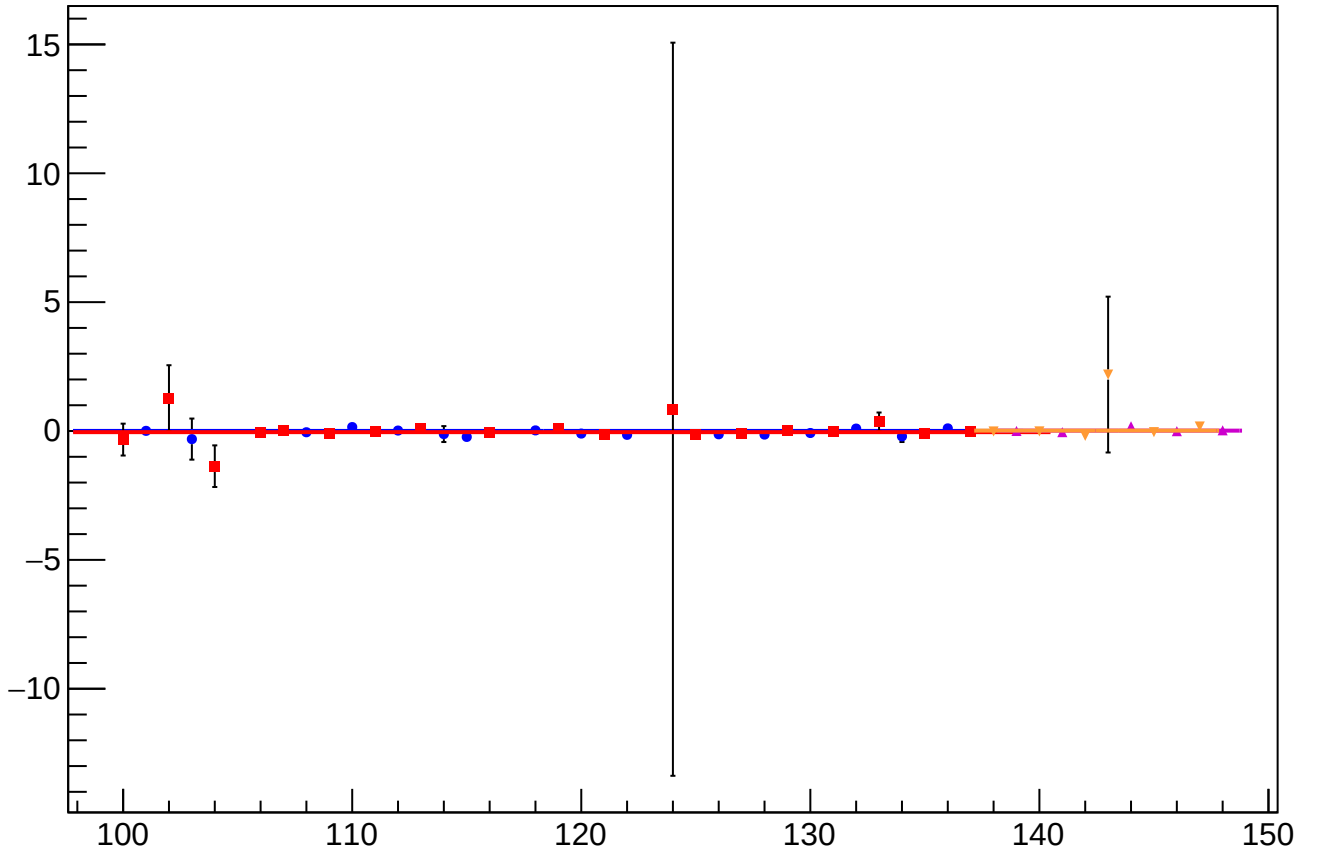
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

+ sign 58.328+/-0.014 χ^2/NDF: 4924925.2/21

All: 56.501+/-0.010 χ^2/NDF: 9650904.6/45

- sign 54.851+/-0.014 χ^2/NDF: 4695244.4/23



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

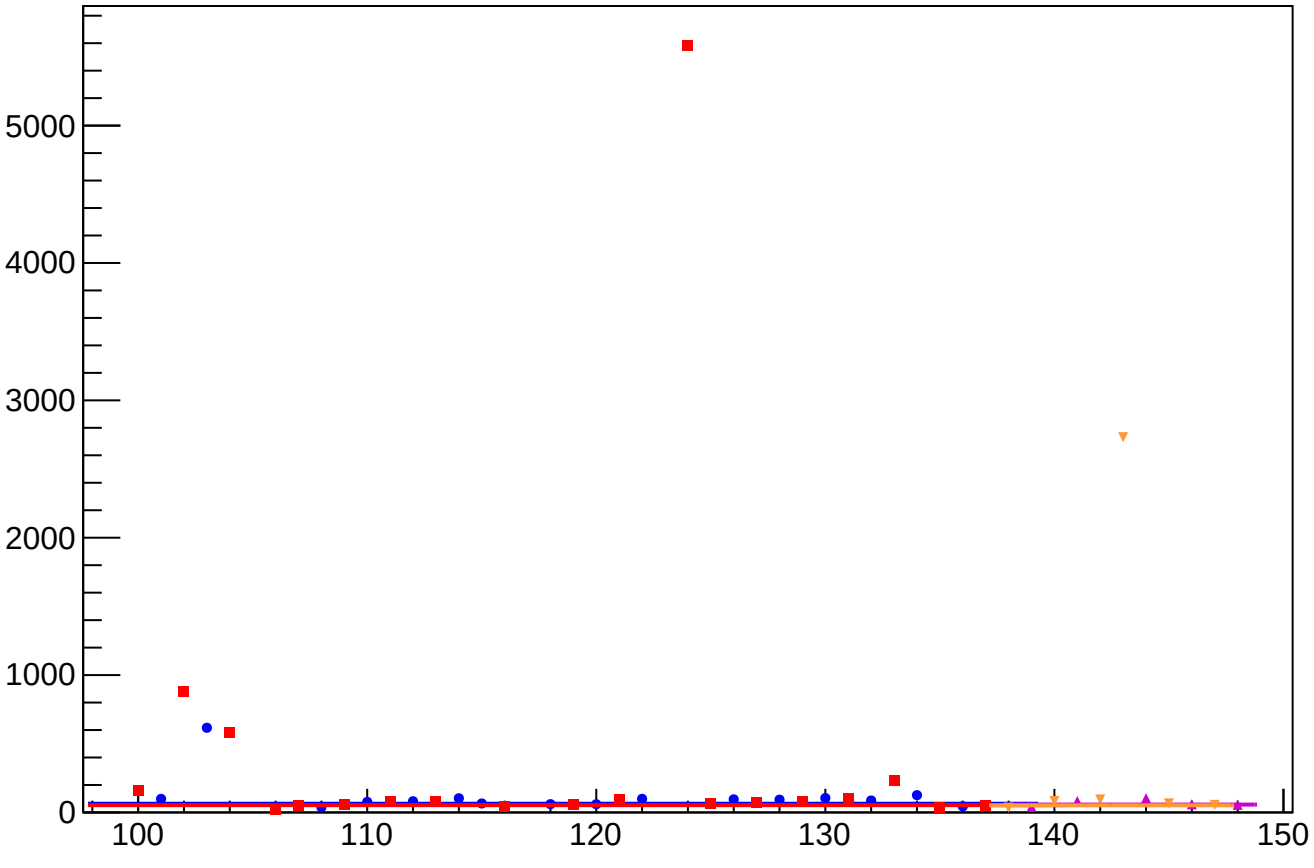
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.020 χ^2/NDF: 23.3/21

All: -0.007+/-0.014 χ^2/NDF: 42.1/45

- sign -0.021+/-0.019 χ^2/NDF: 17.7/23



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

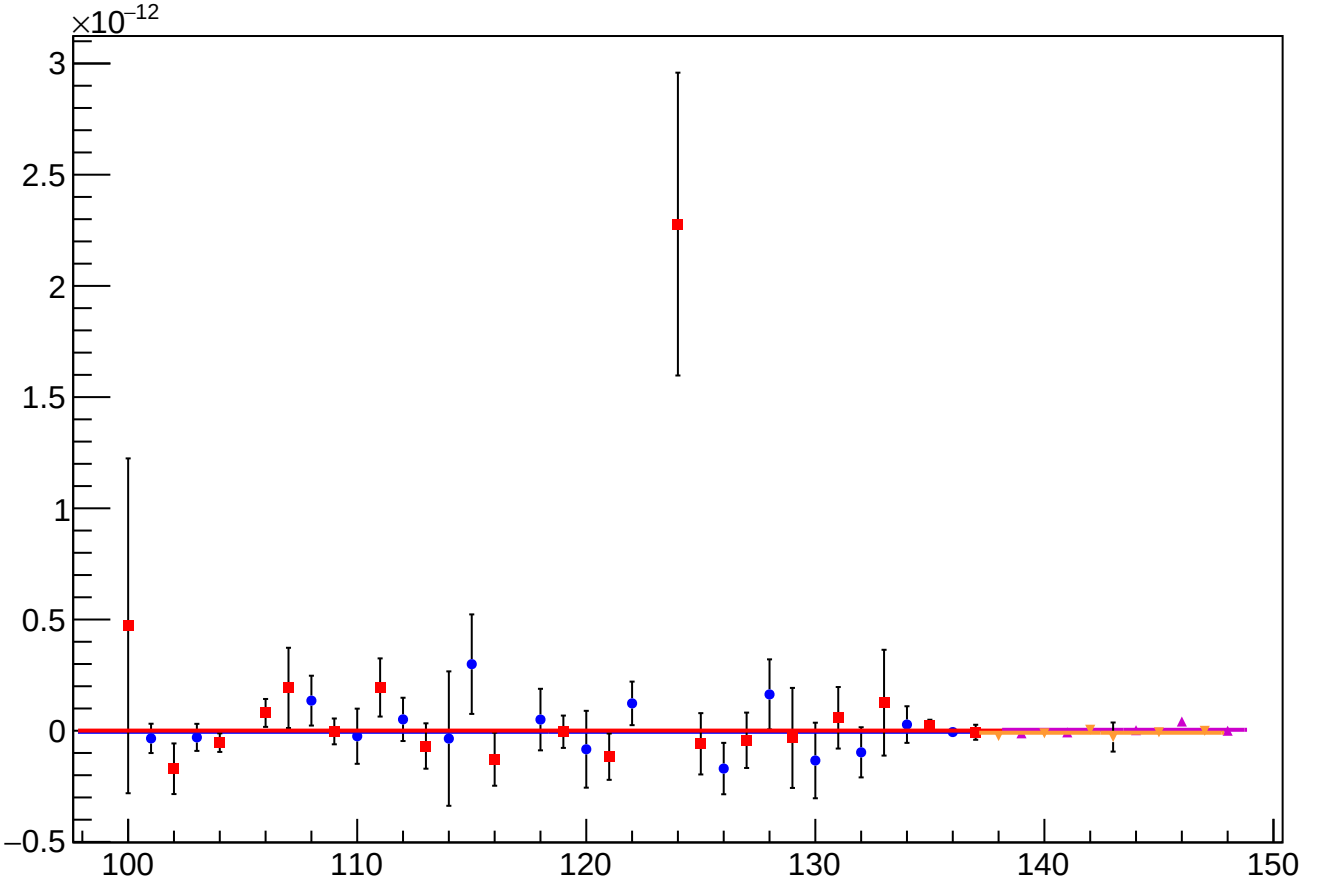
Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

+ sign 58.328+/-0.014 χ^2/NDF: 4924925.2/21

All: 56.501+/-0.010 χ^2/NDF: 9650904.6/45

- sign 54.851+/-0.014 χ^2/NDF: 4695244.4/23

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

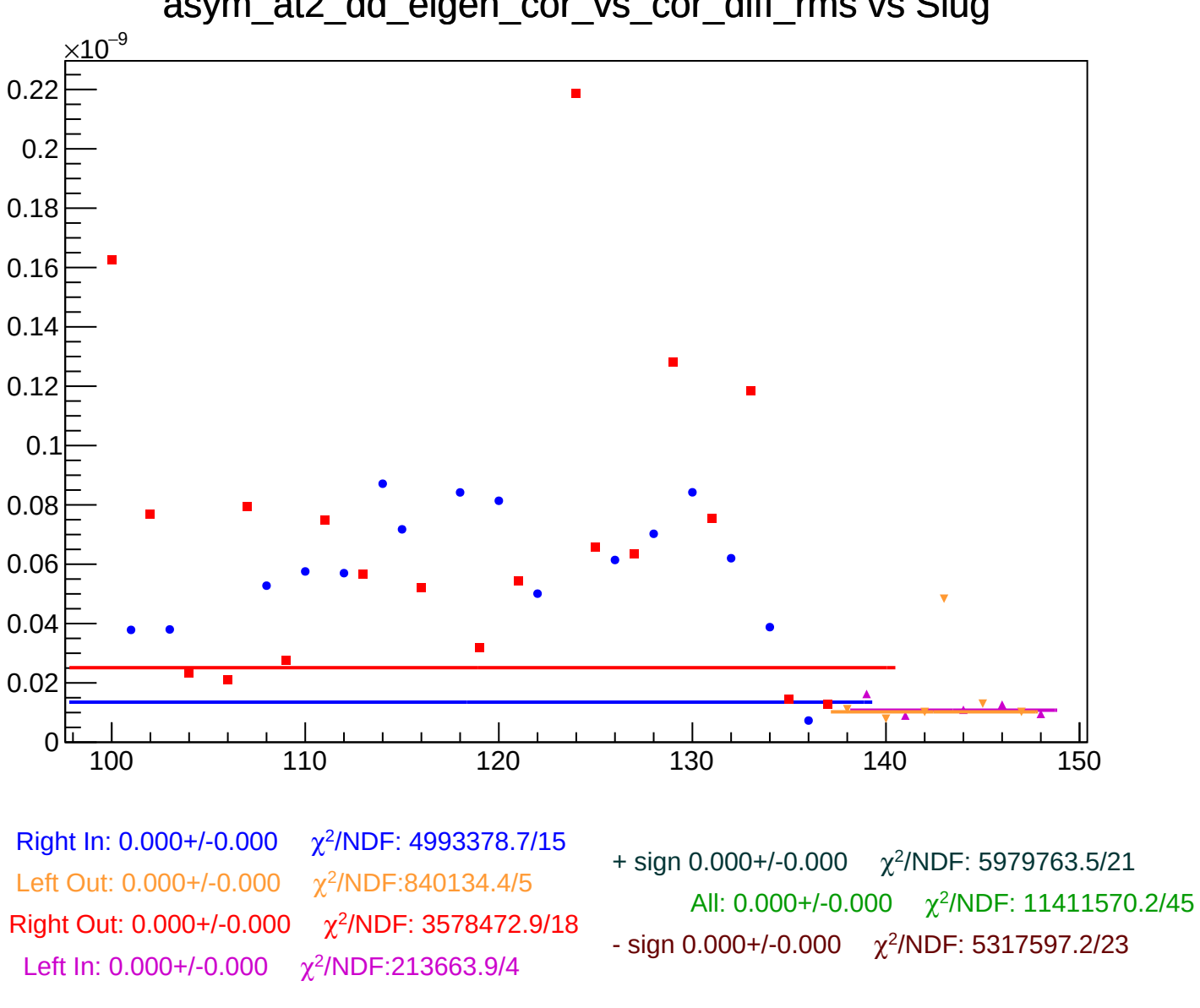
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

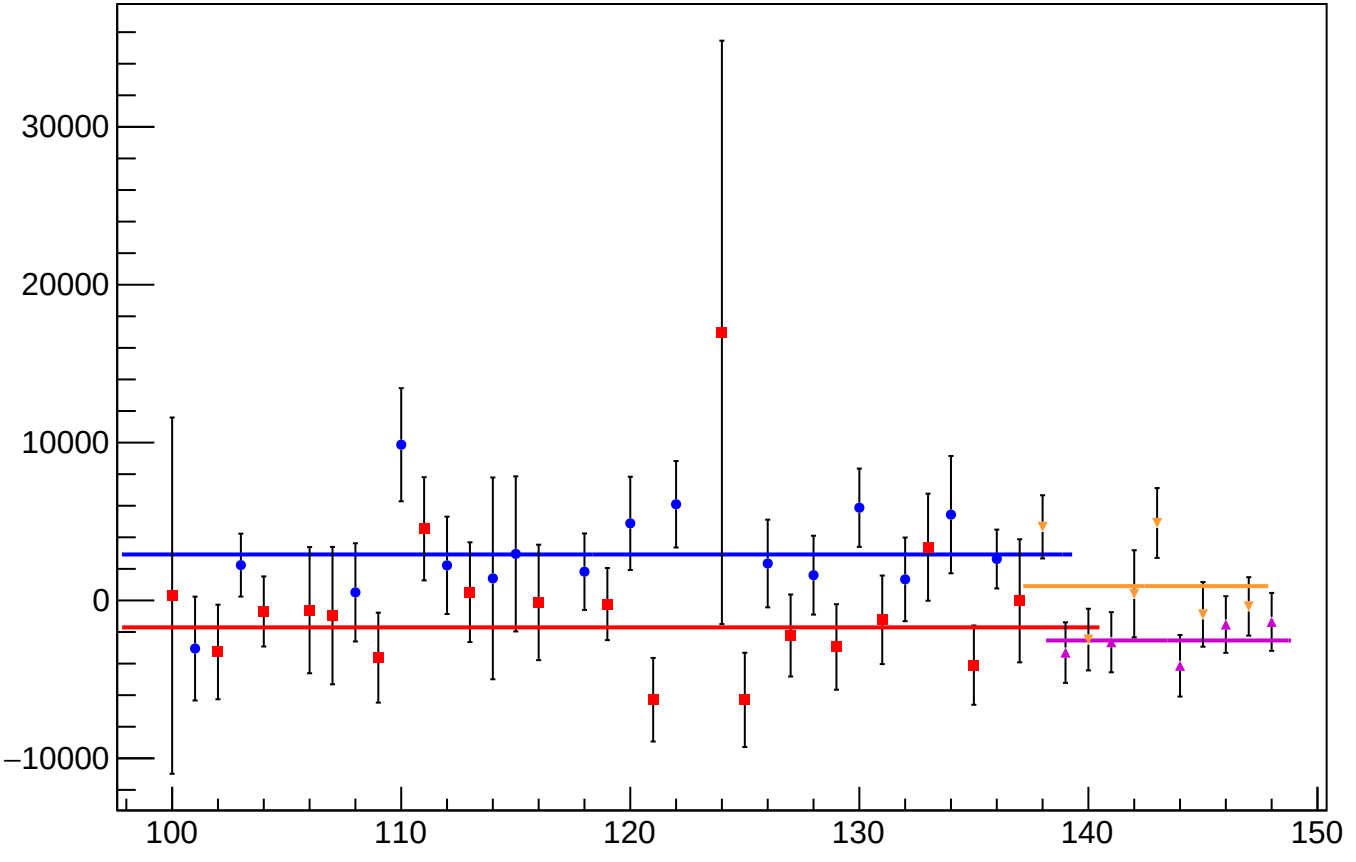
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/21

All: -0.000+/-0.000 χ^2/NDF: 47.0/45

- sign 0.000+/-0.000 χ^2/NDF: 32.1/23


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:840134.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:213663.9/4
+ sign 0.000+/-0.000 χ²/NDF: 5979763.5/21
All: 0.000+/-0.000 χ²/NDF: 11411570.2/45
- sign 0.000+/-0.000 χ²/NDF: 5317597.2/23

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

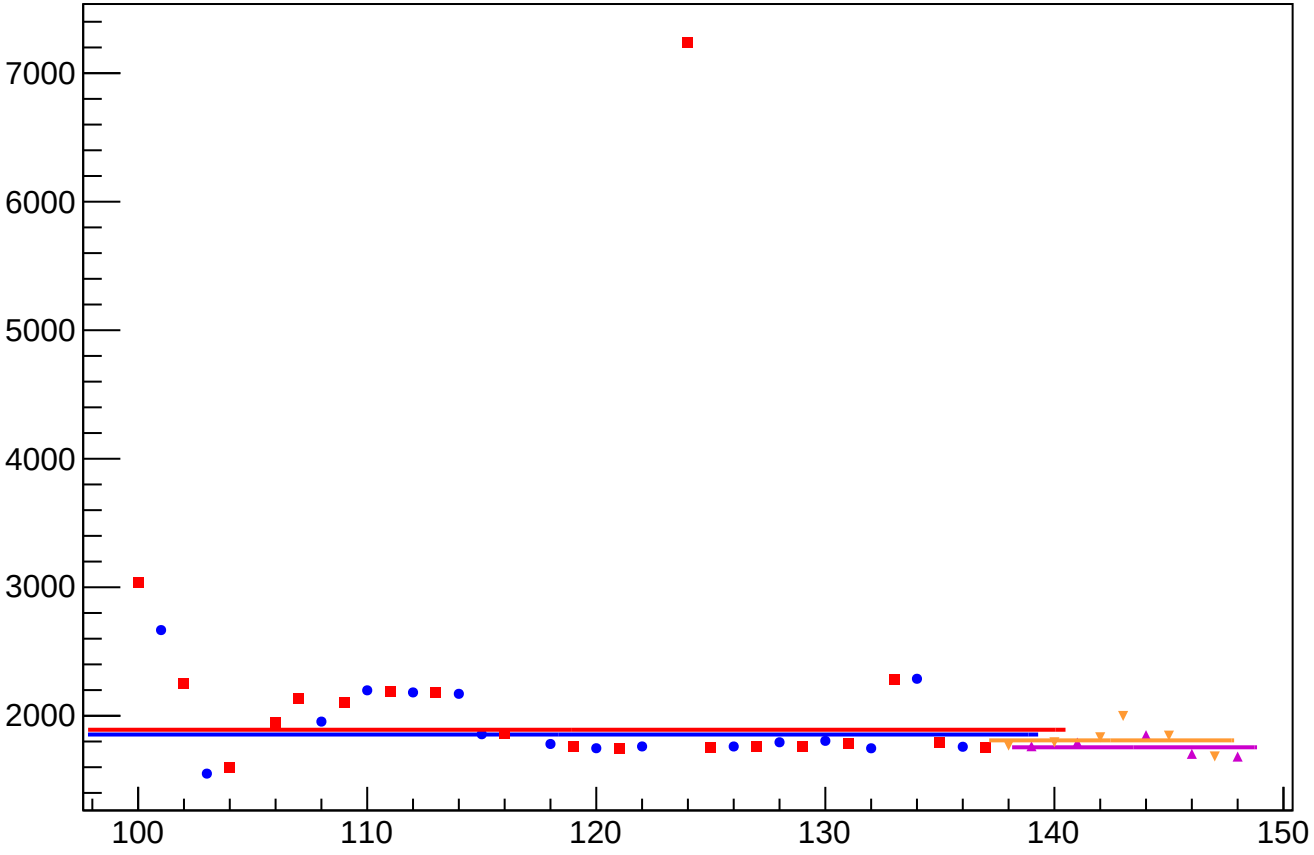
Left In: -2534.259+/-839.522 χ^2/NDF:1.6/4

+ sign 2112.111+/-538.573 χ^2/NDF: 26.8/21

All: 39.834+/-381.583 χ^2/NDF: 74.5/45

- sign -2048.944+/-540.713 χ^2/NDF: 18.0/23

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

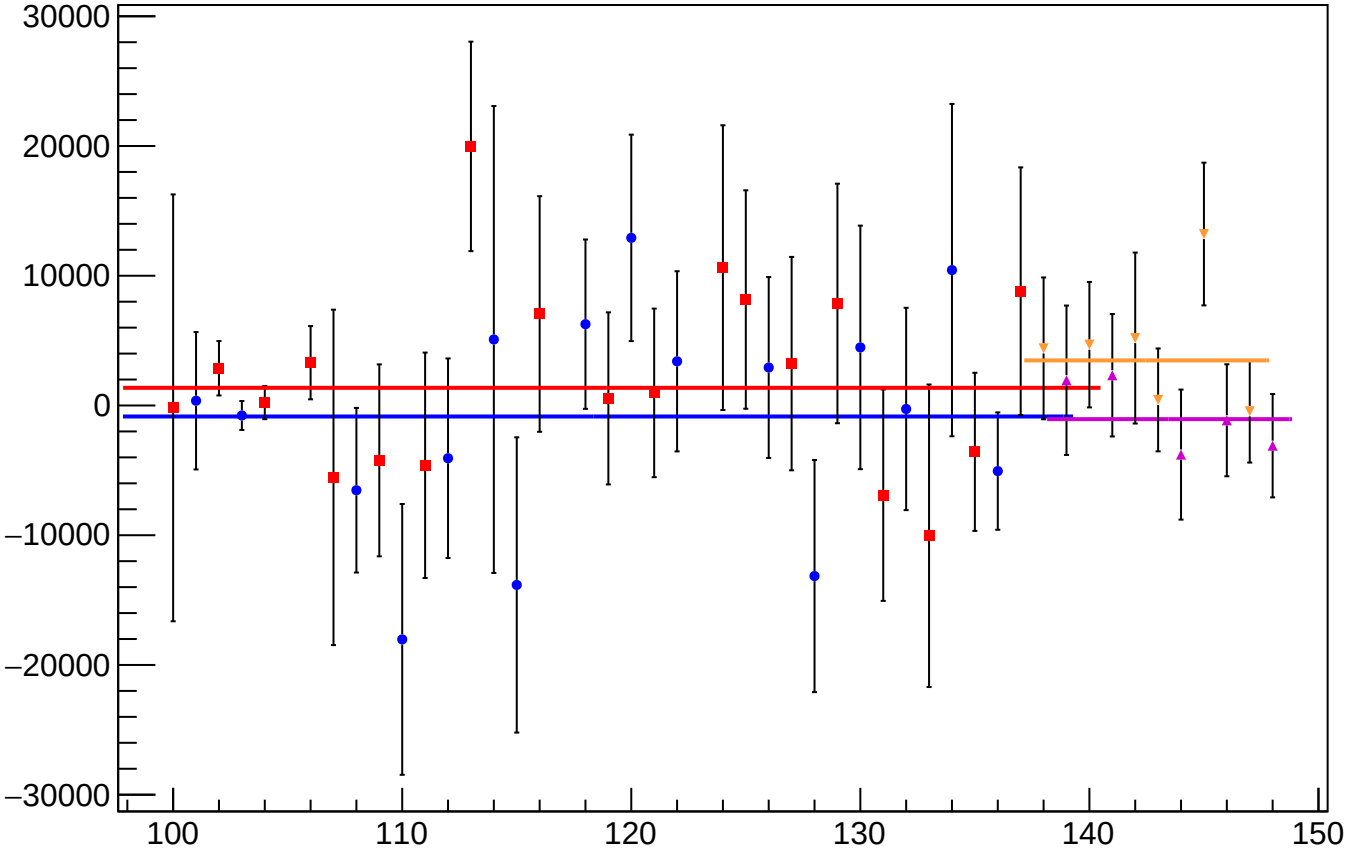
Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.6/21

All: 1835.572+/-0.270 χ^2/NDF: 697552.5/45

- sign 1834.993+/-0.382 χ^2/NDF: 405229.3/23

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

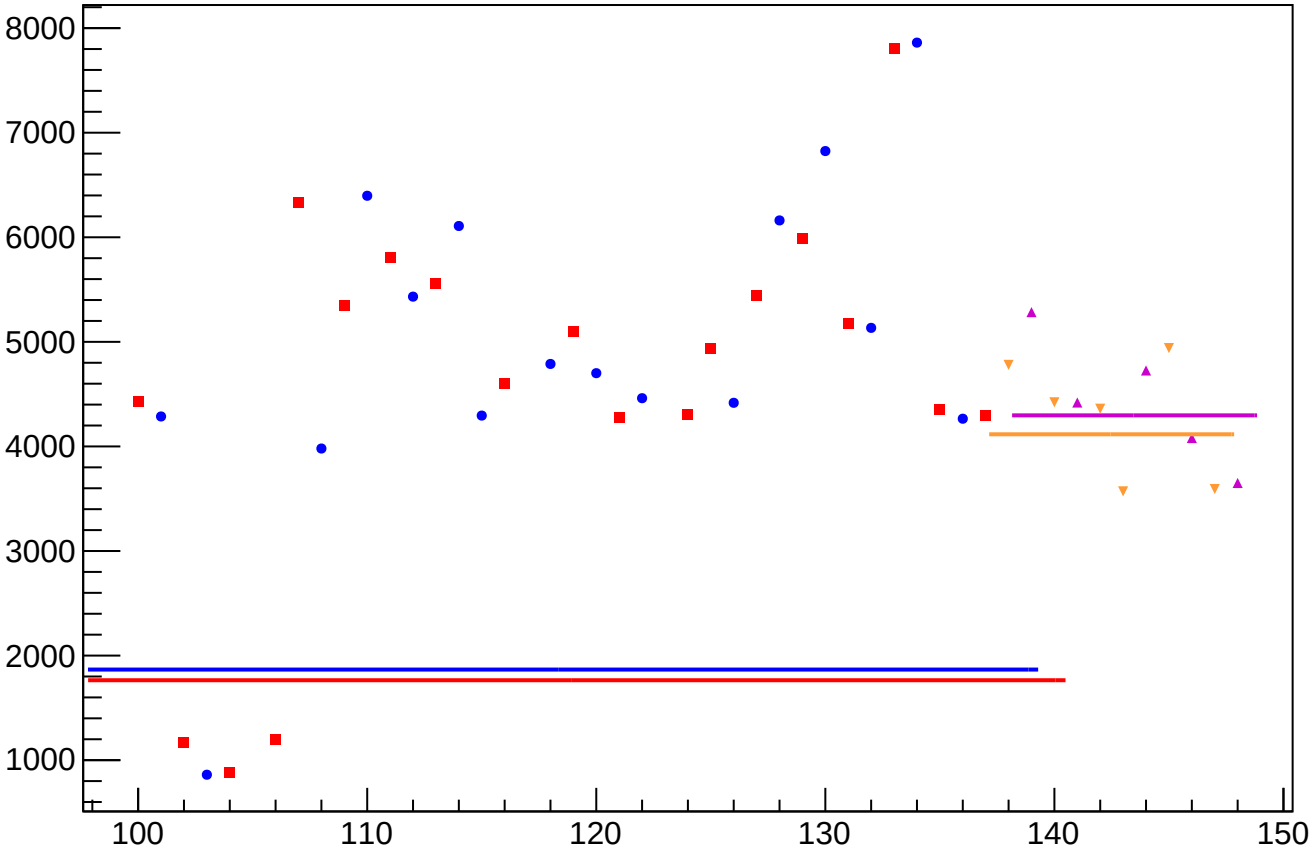
Left In: -1052.512+/-2078.128 χ^2/NDF:1.3/4

+ sign -8.467+/-864.378 χ^2/NDF: 22.6/21

All: 495.261+/-601.713 χ^2/NDF: 39.8/45

- sign 968.859+/-838.129 χ^2/NDF: 16.5/23

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

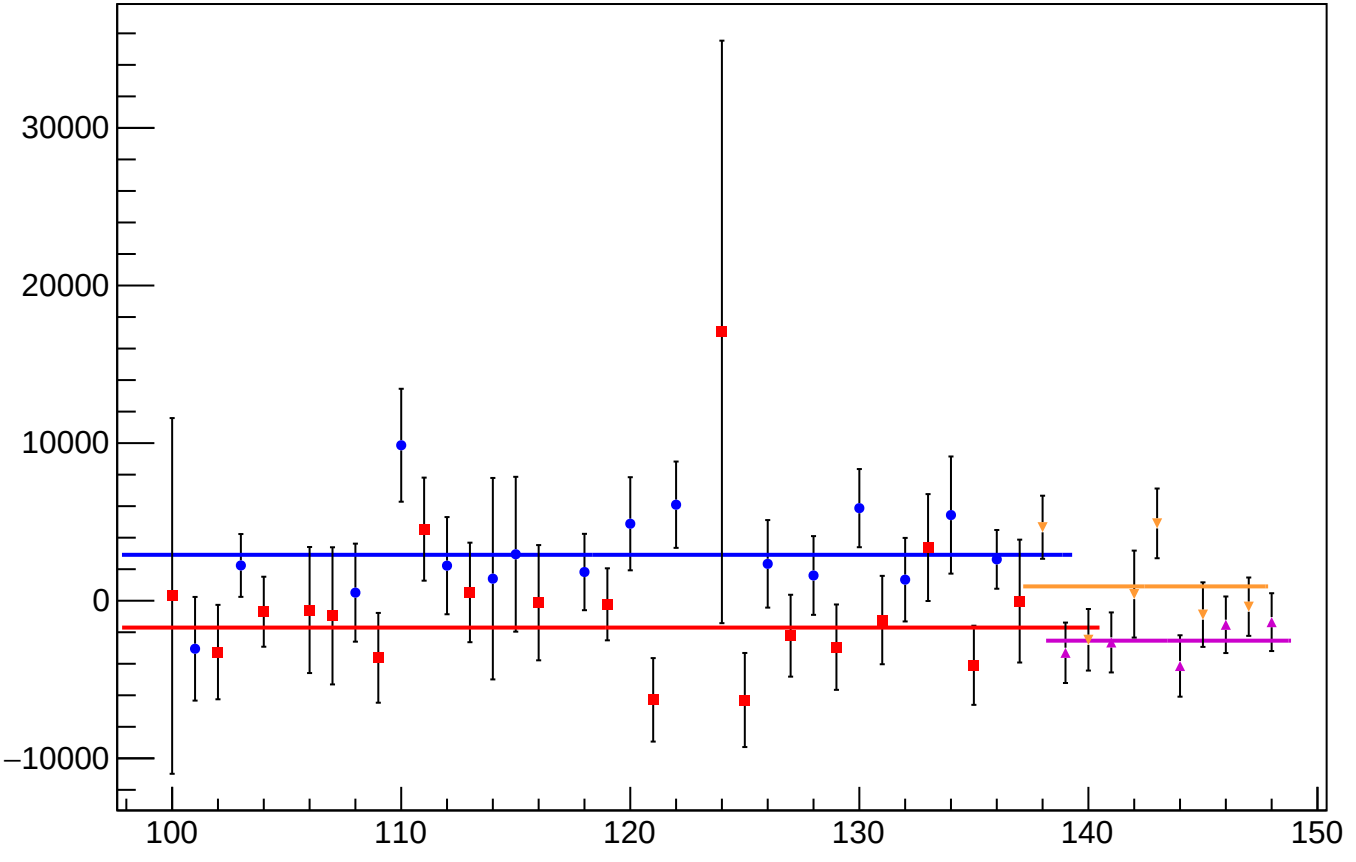
Left In: 4297.248+/-1.469 χ^2/NDF:132512.6/4

+ sign 2303.292+/-0.611 χ^2/NDF: 9127740.8/21

All: 2237.834+/-0.425 χ^2/NDF: 18205293.8/4

- sign 2176.291+/-0.593 χ^2/NDF: 9055299.5/23

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

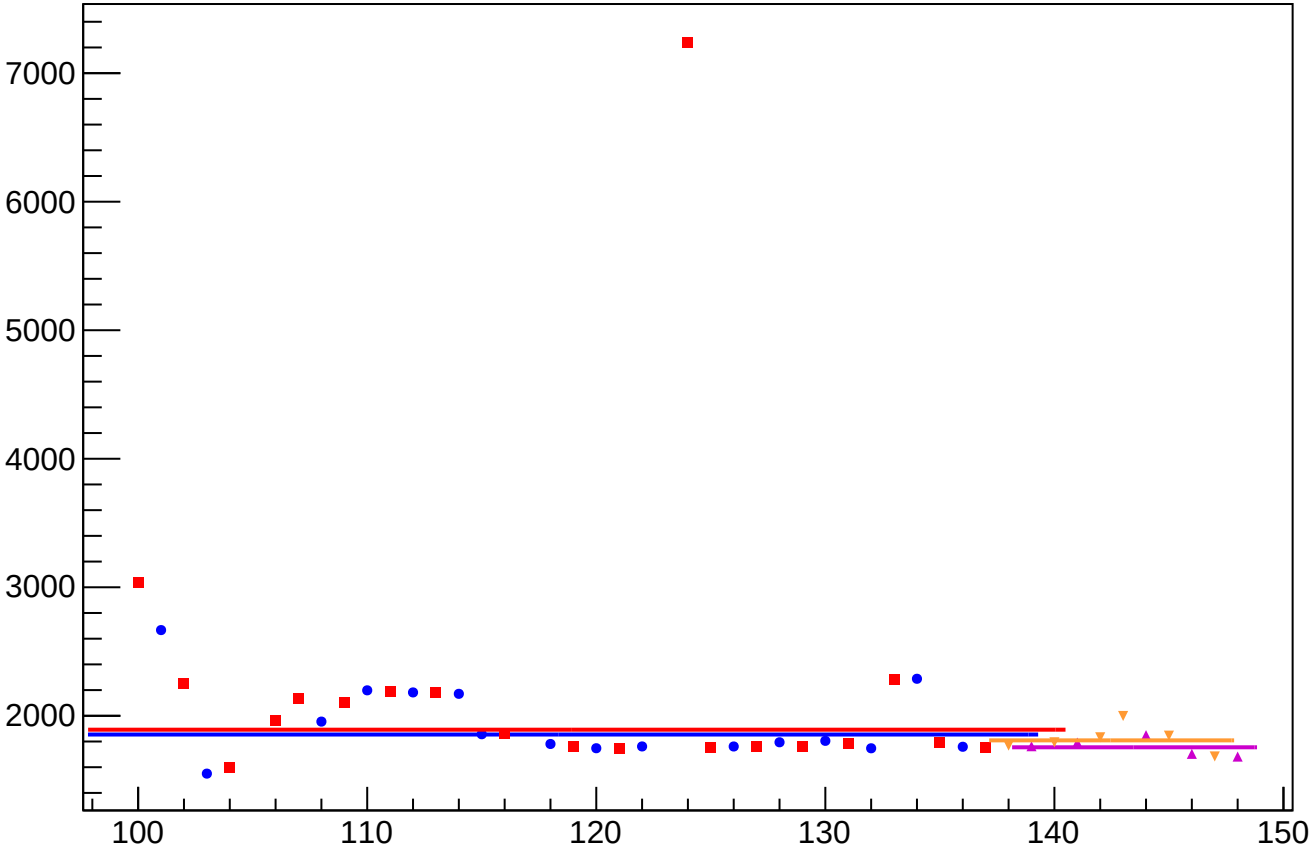
Left In: -2534.623+/-839.522 χ^2/NDF:1.6/4

+ sign 2112.126+/-538.573 χ^2/NDF: 26.8/21

All: 40.170+/-381.583 χ^2/NDF: 74.5/45

- sign -2048.287+/-540.713 χ^2/NDF: 18.0/23

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

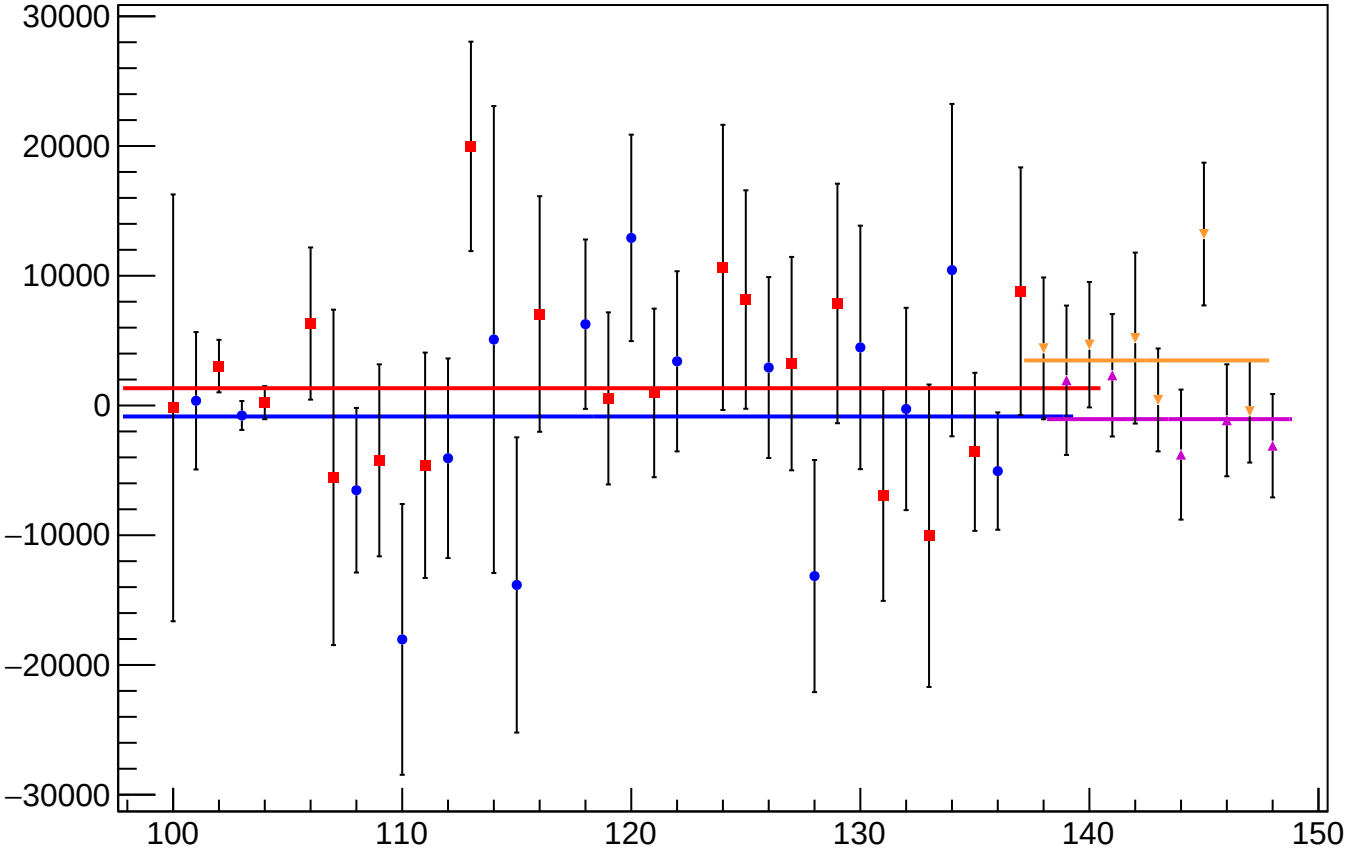
Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.4/21

All: 1835.699+/-0.270 χ^2/NDF: 697994.8/45

- sign 1835.247+/-0.382 χ^2/NDF: 405673.5/23

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

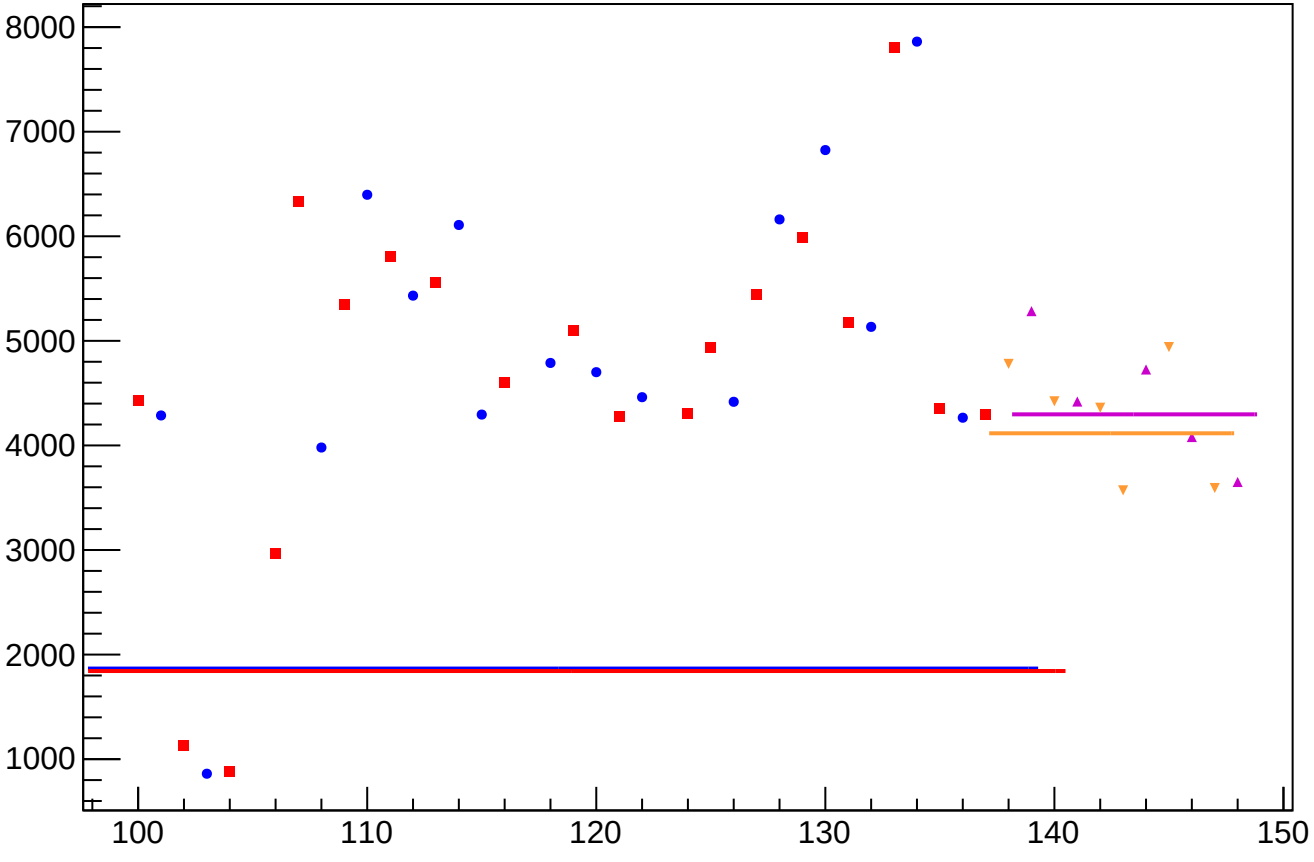
Left In: -1052.701+/-2078.125 χ^2/NDF:1.3/4

+ sign -8.185+/-864.339 χ^2/NDF: 22.6/21

All: 457.127+/-610.571 χ^2/NDF: 40.1/45

- sign 920.587+/-862.618 χ^2/NDF: 16.9/23

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

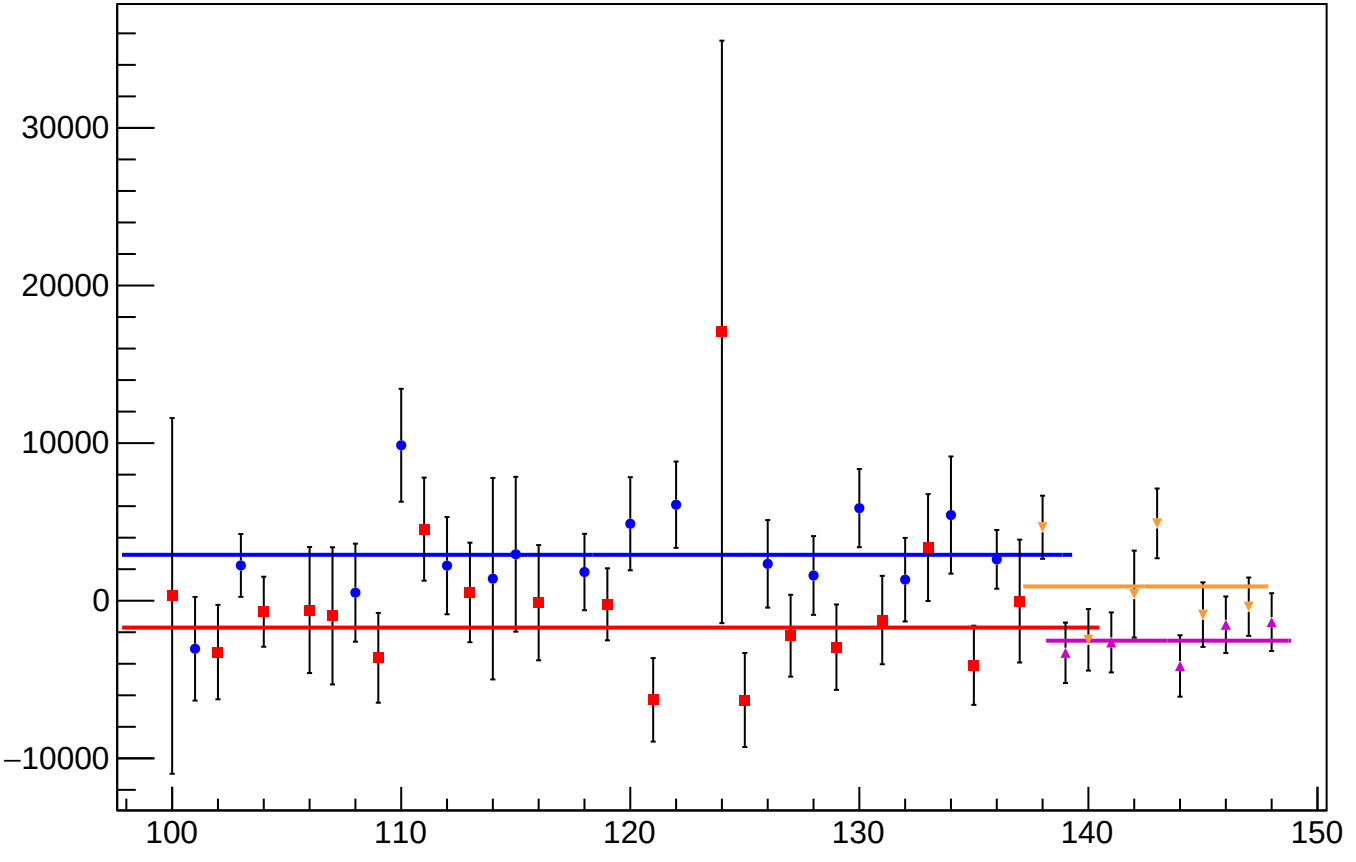
Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

+ sign 2303.129+/-0.611 χ^2/NDF: 9128488.5/21

All: 2284.416+/-0.432 χ^2/NDF: 18030382.4/4

- sign 2265.776+/-0.610 χ^2/NDF: 8900022.5/23

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

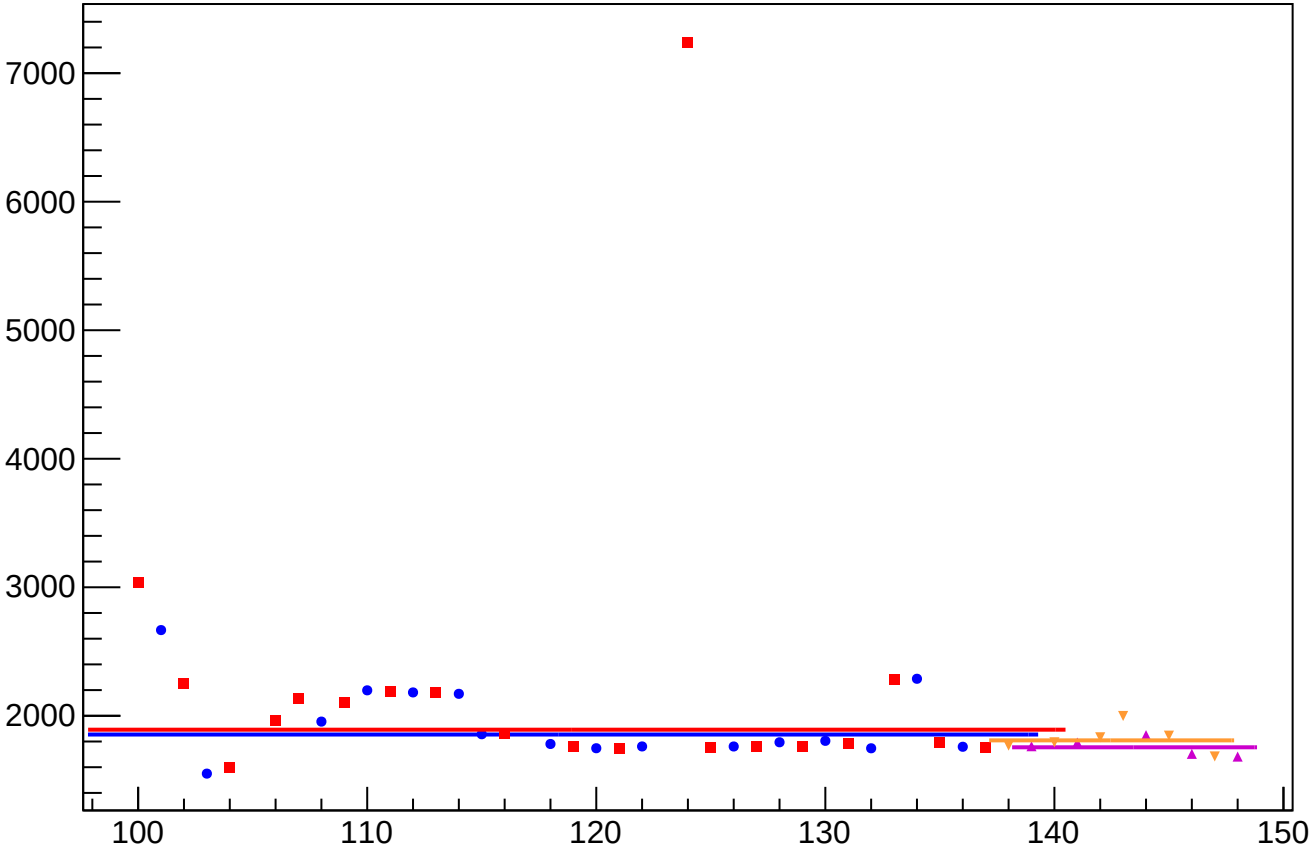
Left In: -2534.623+/-839.522 χ^2/NDF:1.6/4

+ sign 2112.126+/-538.573 χ^2/NDF: 26.8/21

All: 40.170+/-381.583 χ^2/NDF: 74.5/45

- sign -2048.287+/-540.713 χ^2/NDF: 18.0/23

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

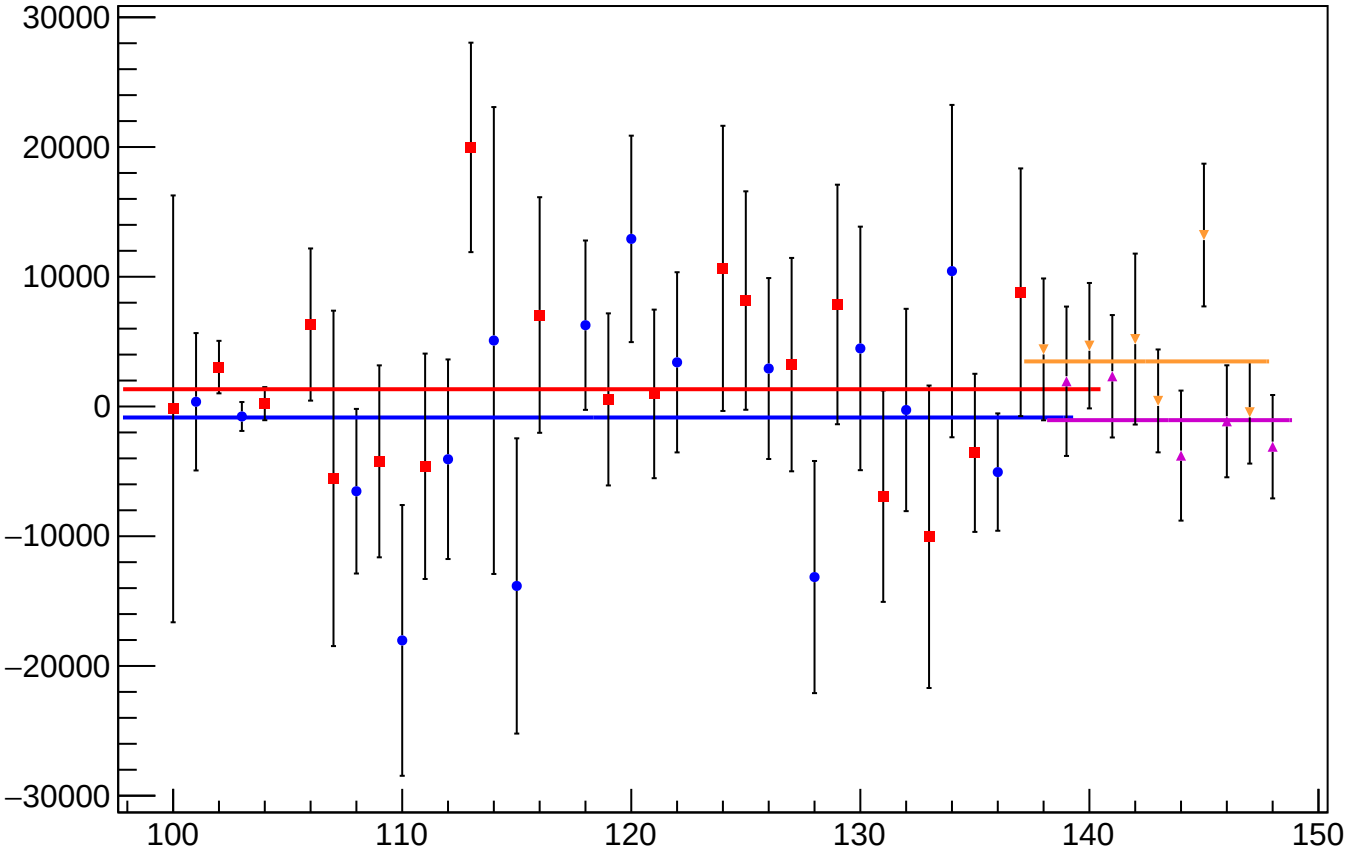
Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1836.149+/-0.381 χ^2/NDF: 292318.4/21

All: 1835.699+/-0.270 χ^2/NDF: 697994.8/45

- sign 1835.247+/-0.382 χ^2/NDF: 405673.5/23

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

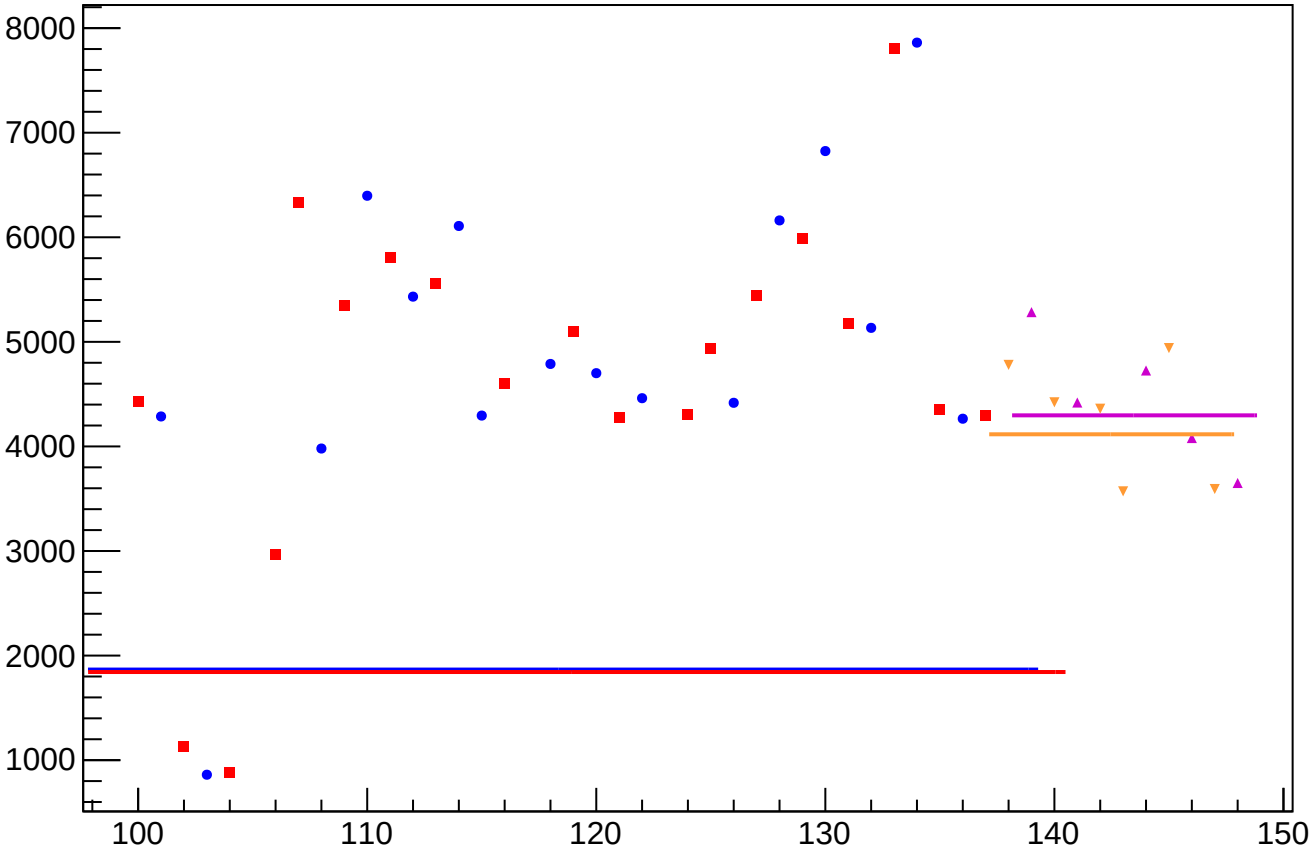
Left In: -1052.701+/-2078.125 χ^2/NDF:1.3/4

+ sign -8.185+/-864.339 χ^2/NDF: 22.6/21

All: 457.127+/-610.571 χ^2/NDF: 40.1/45

- sign 920.587+/-862.618 χ^2/NDF: 16.9/23

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

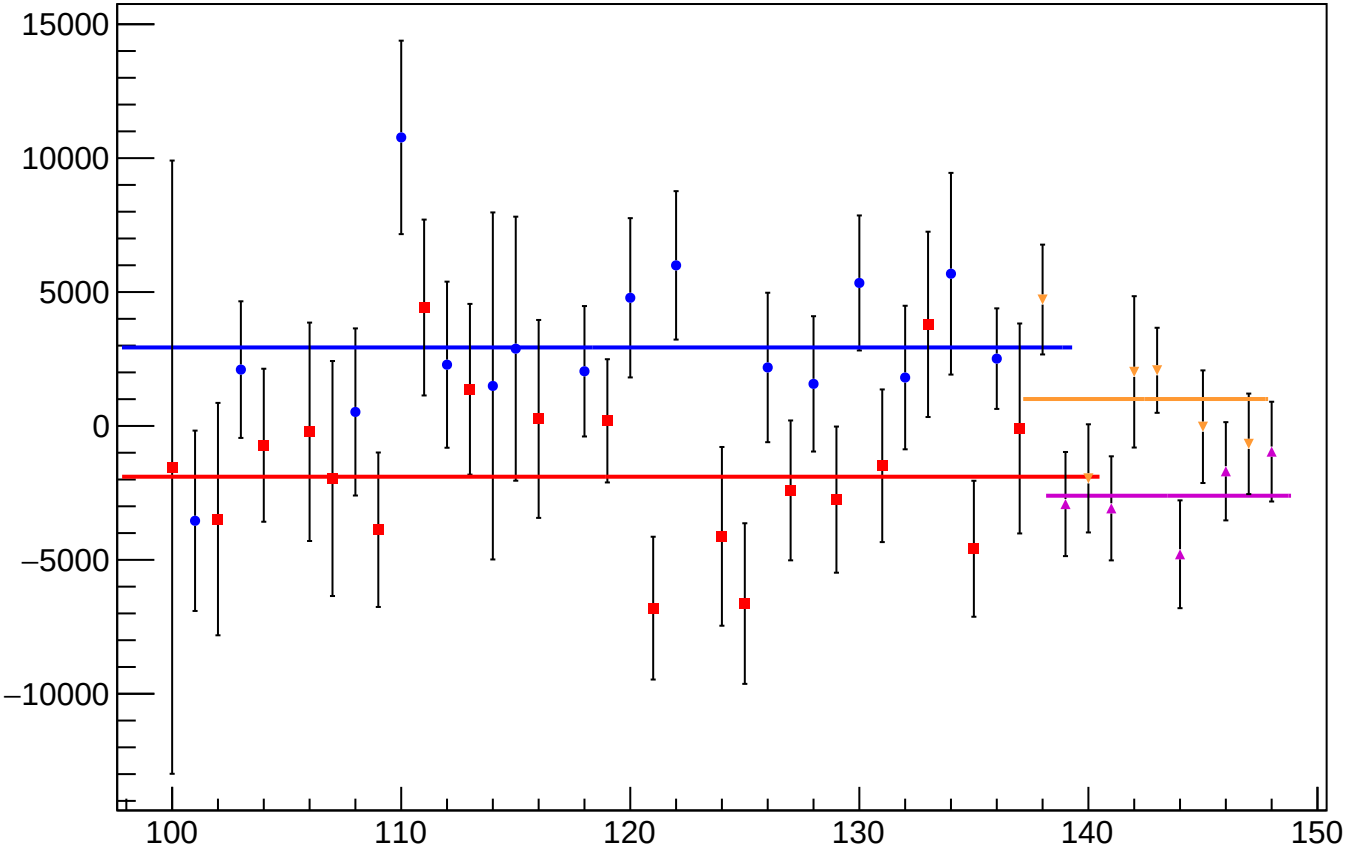
Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

+ sign 2303.129+/-0.611 χ^2/NDF: 9128488.5/21

All: 2284.416+/-0.432 χ^2/NDF: 18030382.4/4

- sign 2265.776+/-0.610 χ^2/NDF: 8900022.5/23

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

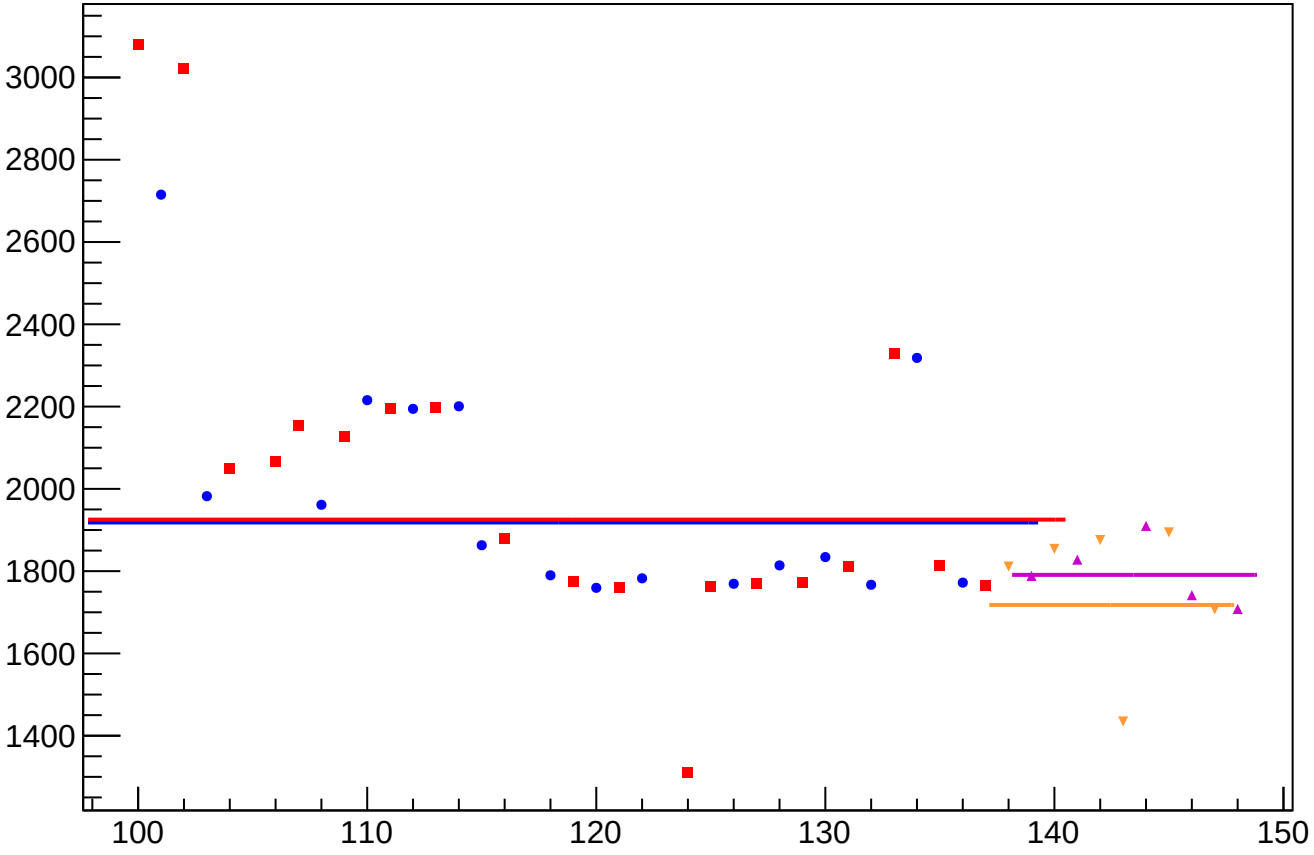
Left In: -2605.313+/-856.943 χ^2/NDF:2.3/4

+ sign 2086.734+/-538.134 χ^2/NDF: 23.2/21

All: 3.178+/-385.371 χ^2/NDF: 74.0/45

- sign -2190.162+/-552.130 χ^2/NDF: 20.1/23

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

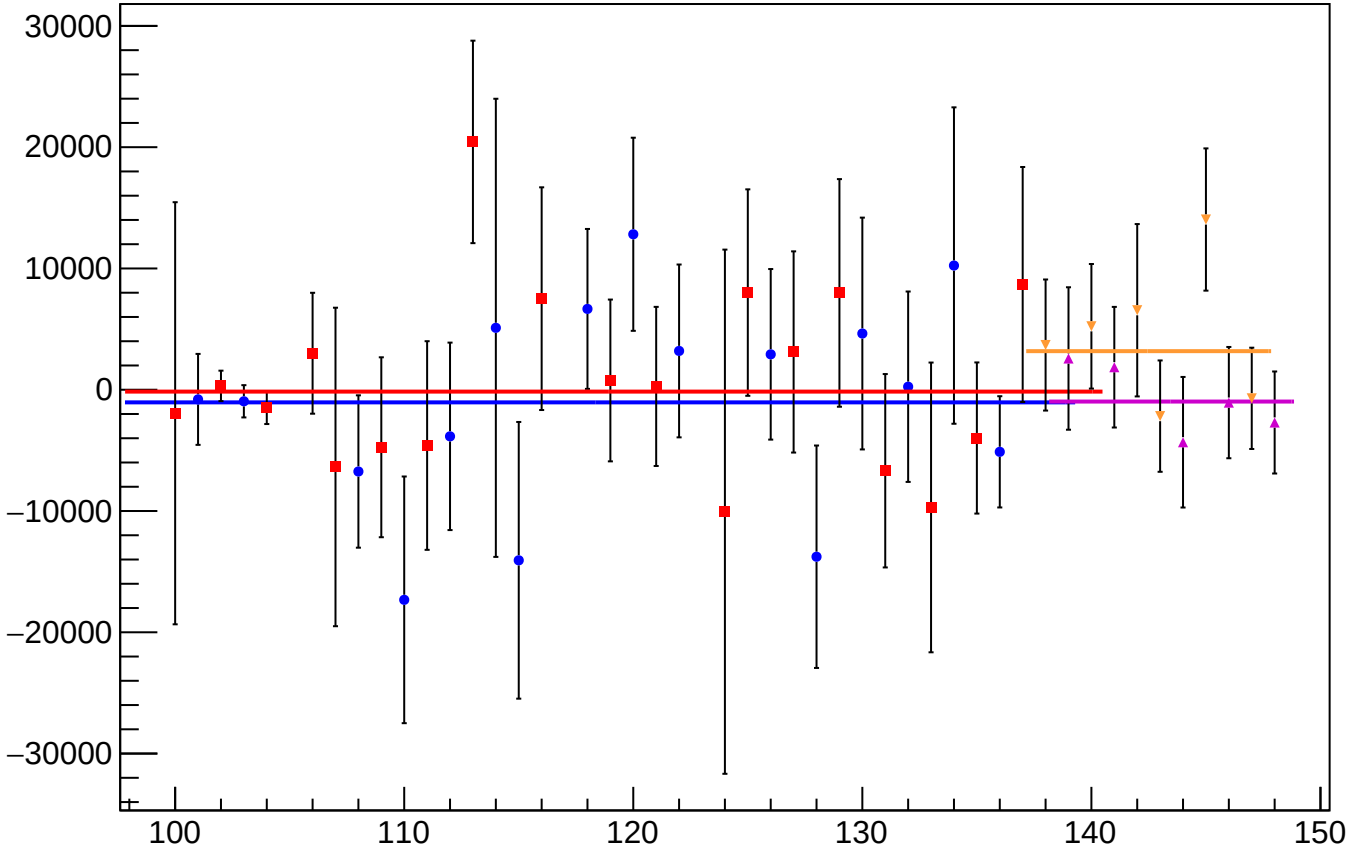
Left In: 1790.948+/-0.606 χ^2/NDF:13138.2/4

+ sign 1830.353+/-0.381 χ^2/NDF: 381290.8/21

All: 1849.462+/-0.272 χ^2/NDF: 767452.9/45

- sign 1869.557+/-0.390 χ^2/NDF: 380988.4/23

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

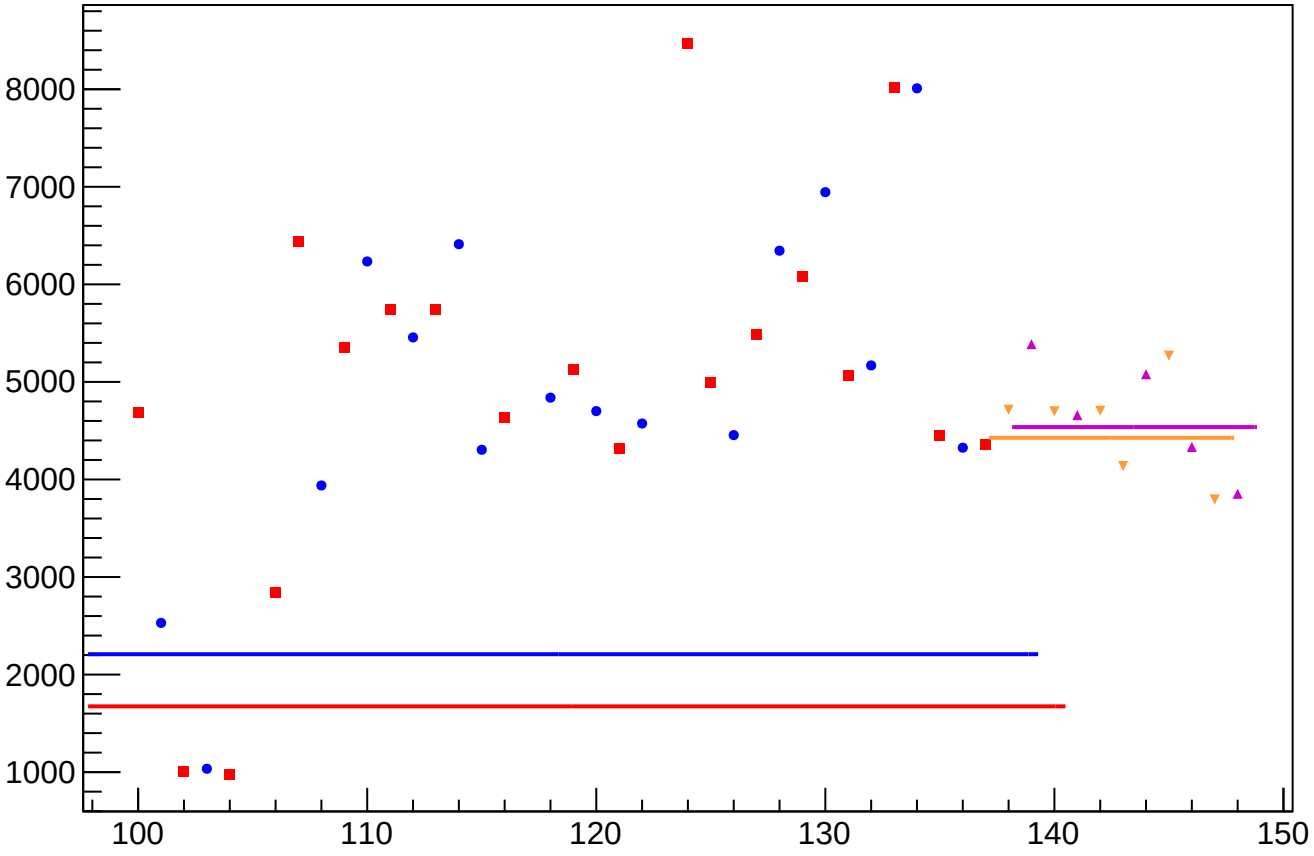
Left In: -974.307+/-2192.912 χ^2/NDF:1.2/4

+ sign -171.154+/-955.486 χ^2/NDF: 23.1/21

All: -223.033+/-604.641 χ^2/NDF: 38.2/45

- sign -257.684+/-780.879 χ^2/NDF: 15.1/23

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

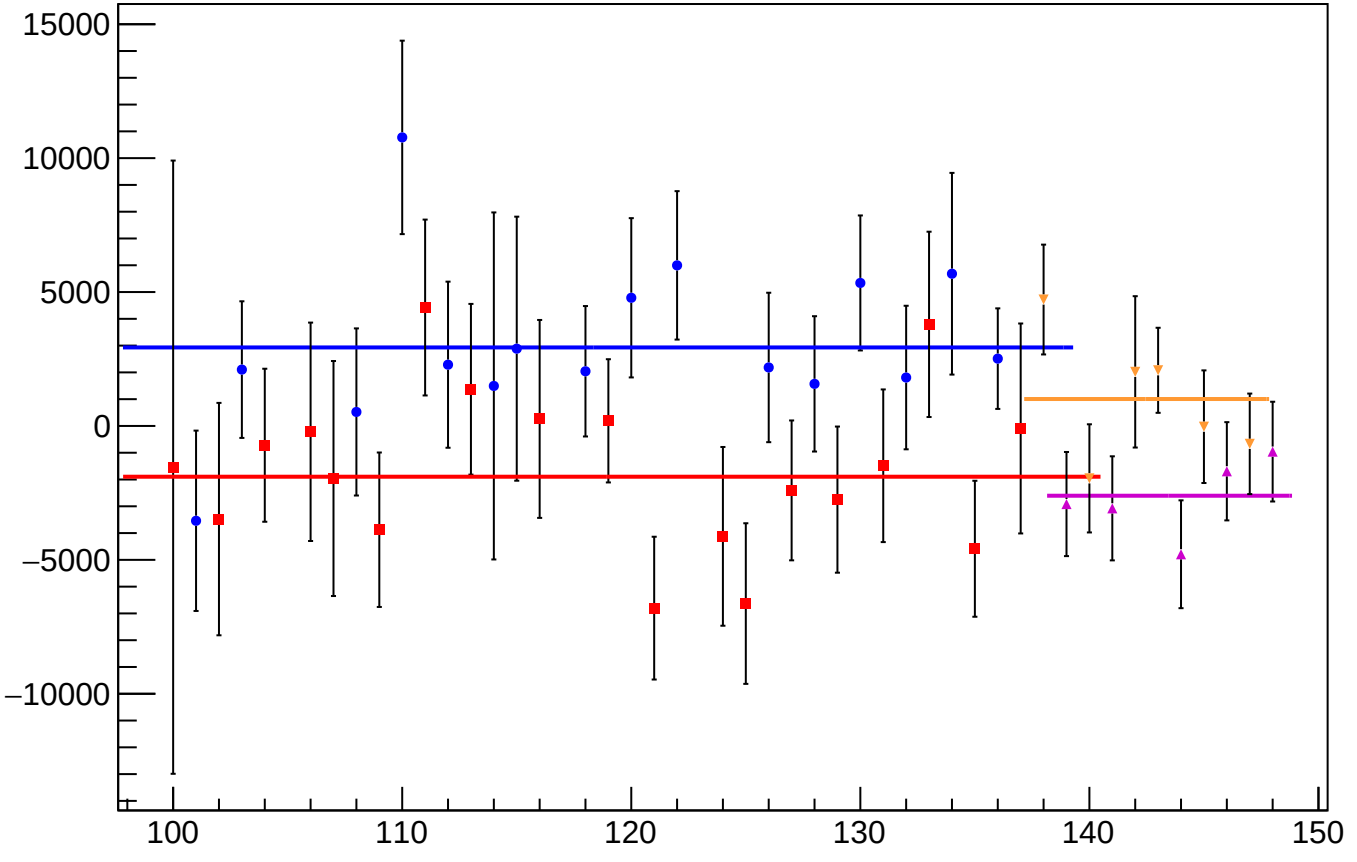
Left In: 4537.400+/-1.551 χ^2/NDF:120172.4/4

+ sign 2666.298+/-0.676 χ^2/NDF: 7372962.6/21

All: 2289.136+/-0.428 χ^2/NDF: 17843367.9/4

- sign 2037.225+/-0.552 χ^2/NDF: 9950637.0/23

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

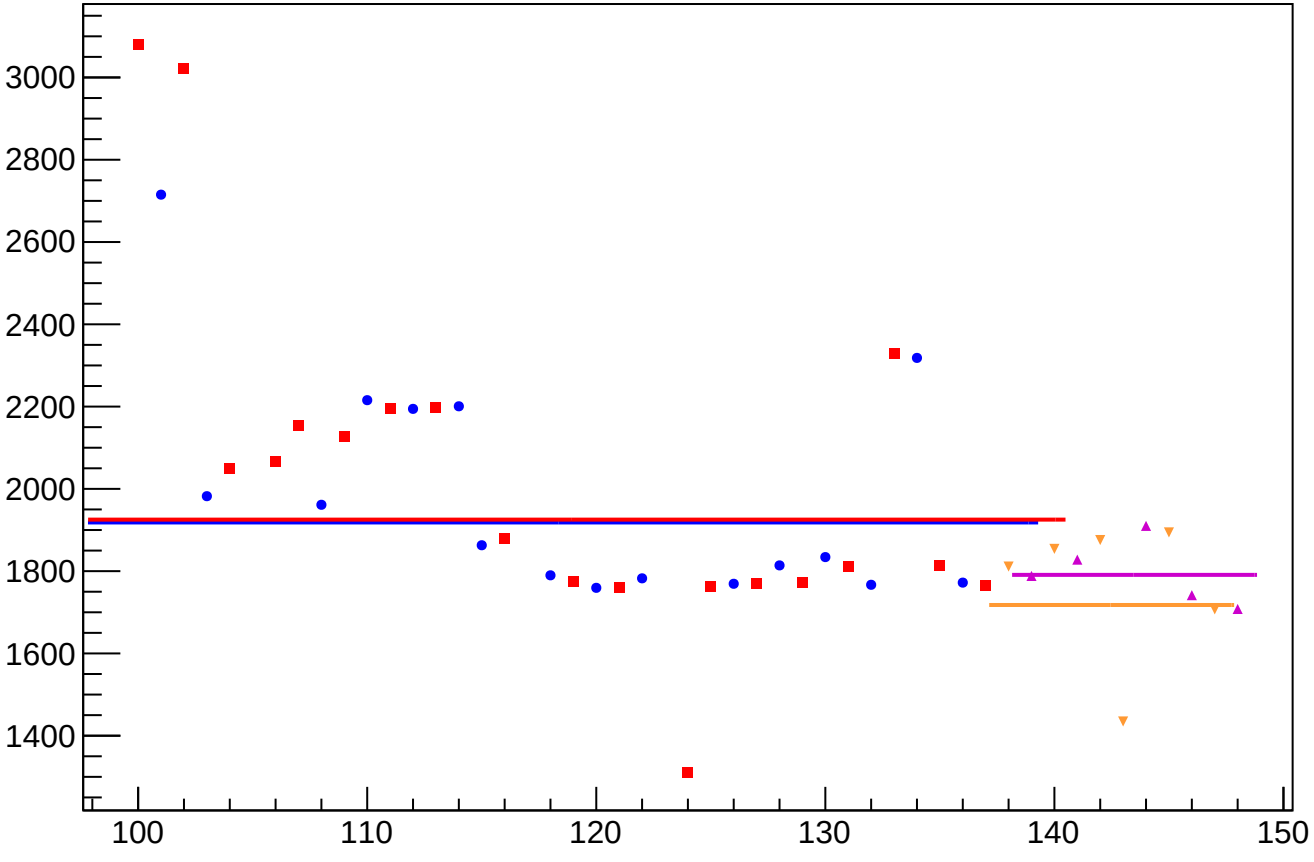
Left In: -2605.307+/-856.944 χ^2/NDF:2.3/4

+ sign 2086.736+/-538.135 χ^2/NDF: 23.2/21

All: 3.178+/-385.371 χ^2/NDF: 74.0/45

- sign -2190.163+/-552.130 χ^2/NDF: 20.1/23

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

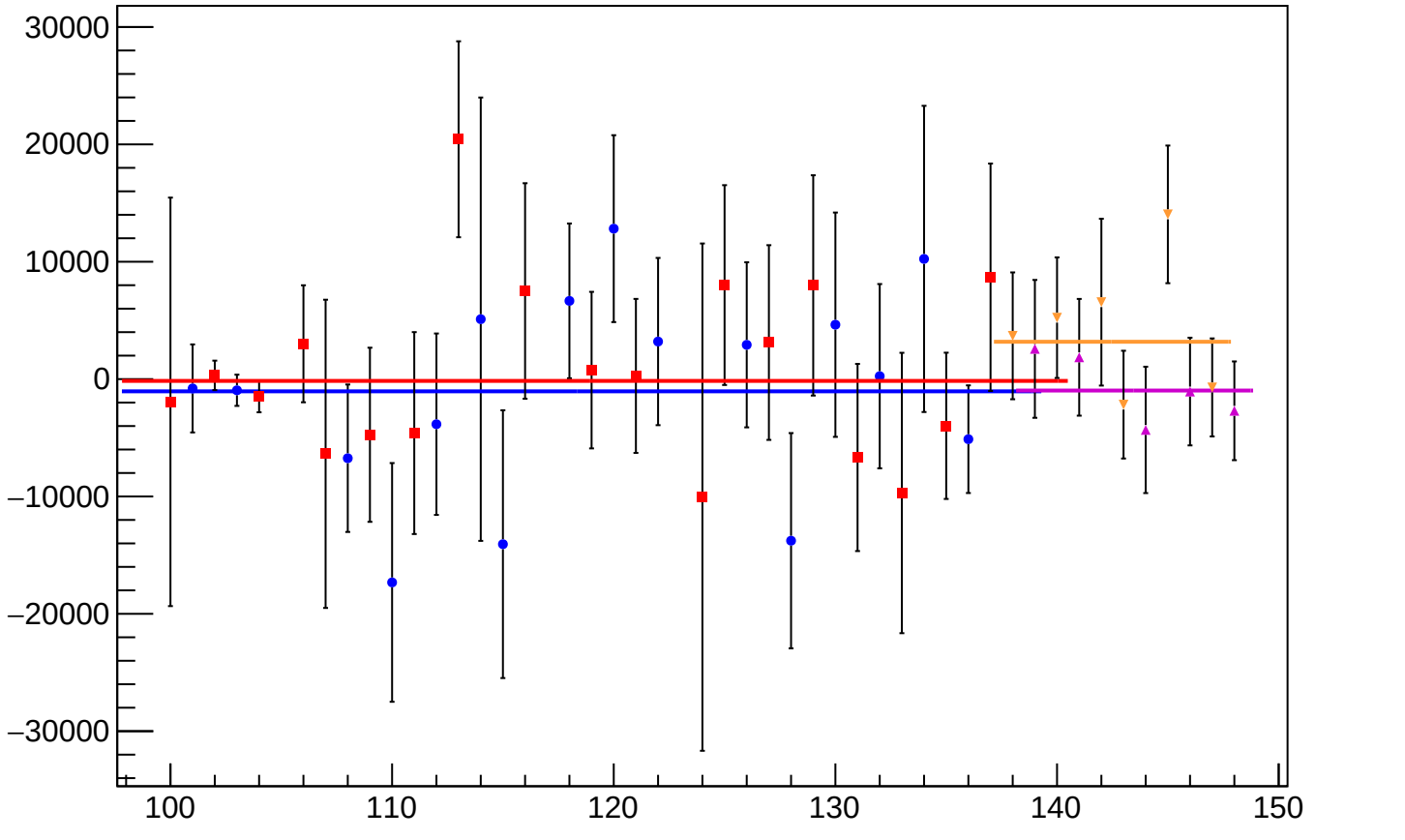
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1790.949+/-0.606 χ^2/NDF:13138.1/4

+ sign 1830.354+/-0.381 χ^2/NDF: 381288.6/21

All: 1849.462+/-0.272 χ^2/NDF: 767449.0/45

- sign 1869.557+/-0.390 χ^2/NDF: 380986.7/23



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

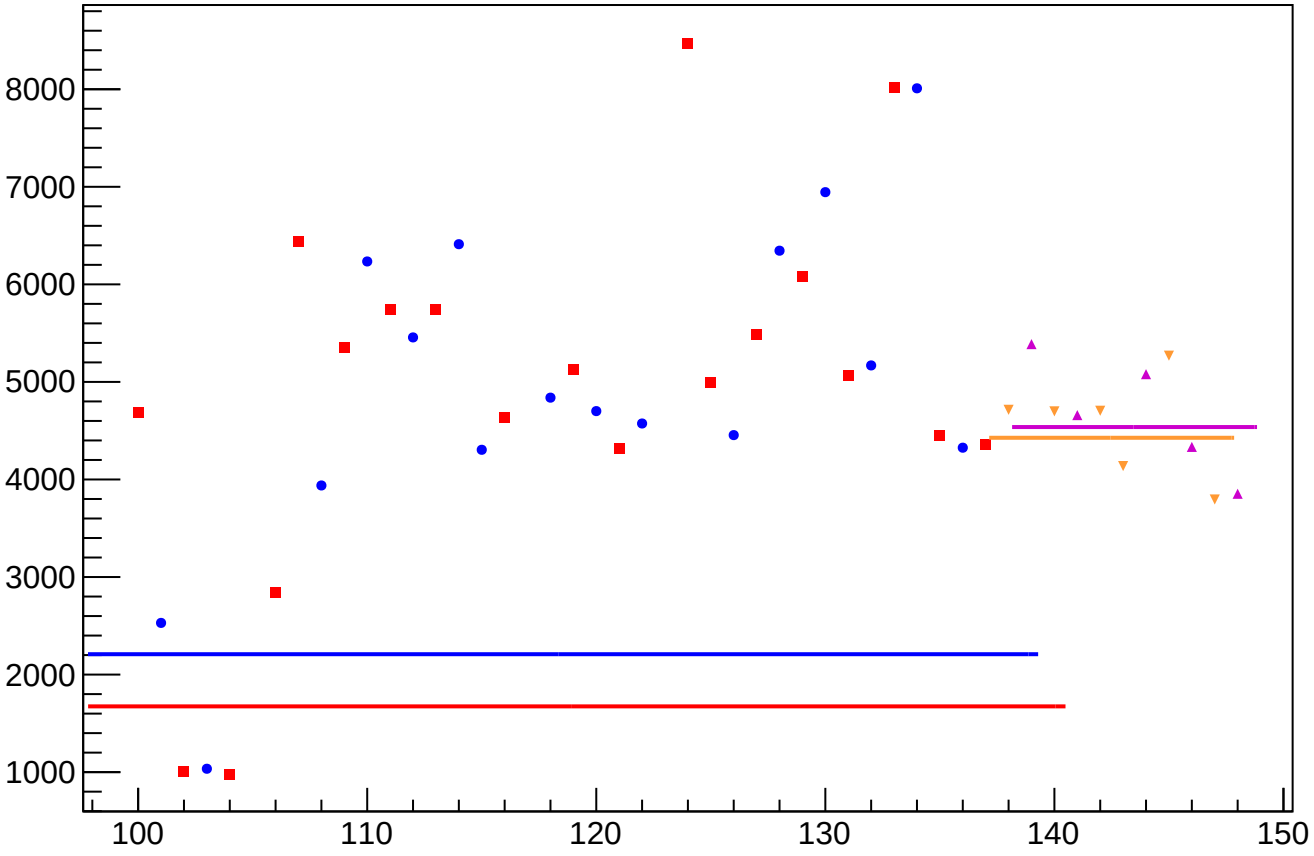
Left In: -974.299+/-2192.915 χ^2/NDF:1.2/4

\+ sign -171.155+/-955.486 χ^2/NDF: 23.1/21

All: -223.030+/-604.640 χ^2/NDF: 38.2/45

\- sign -257.678+/-780.879 χ^2/NDF: 15.1/23

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

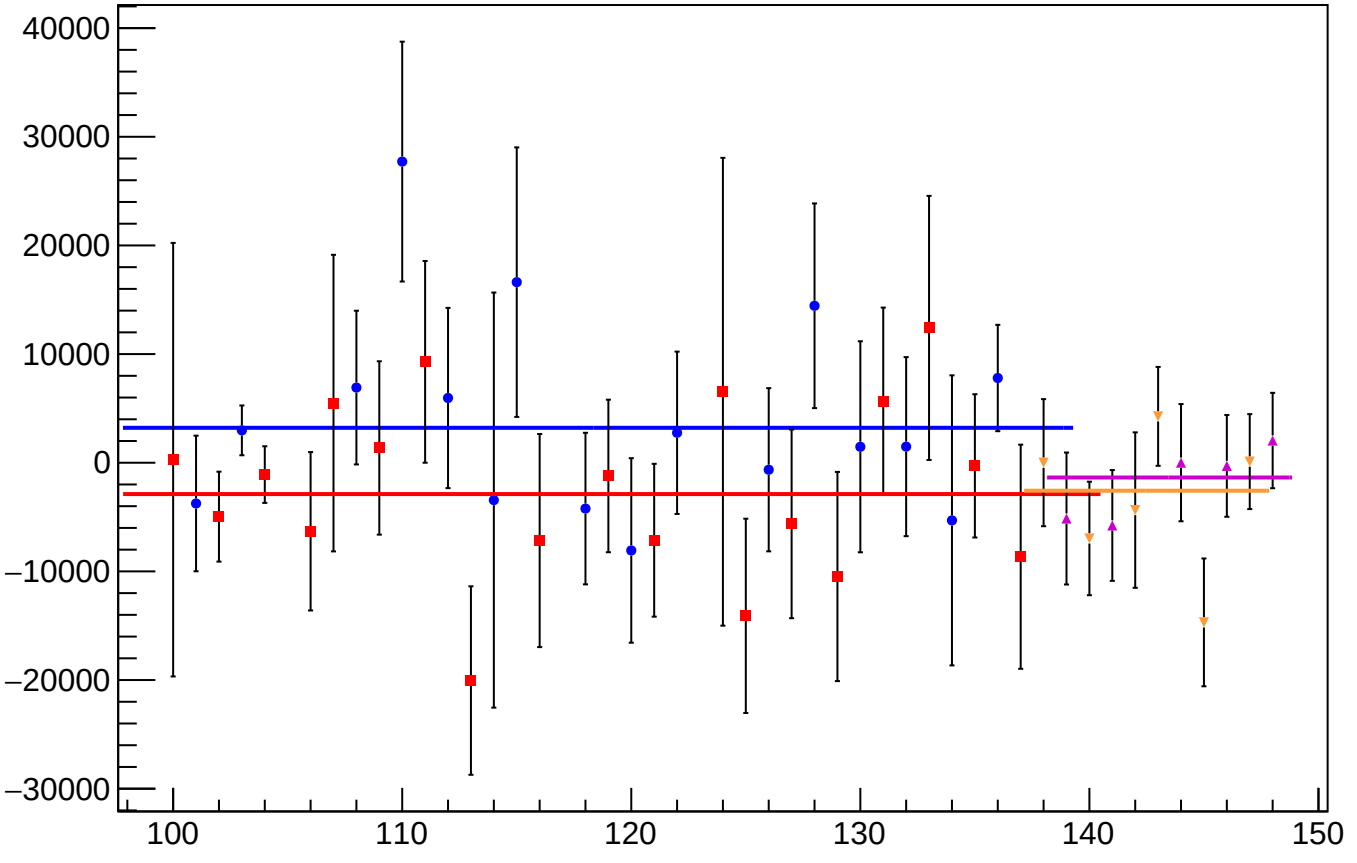
Left In: 4537.407+/-1.551 χ^2/NDF:120172.0/4

+ sign 2666.297+/-0.676 χ^2/NDF: 7372963.2/21

All: 2289.135+/-0.428 χ^2/NDF: 17843367.1/4

- sign 2037.225+/-0.552 χ^2/NDF: 9950635.6/23

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

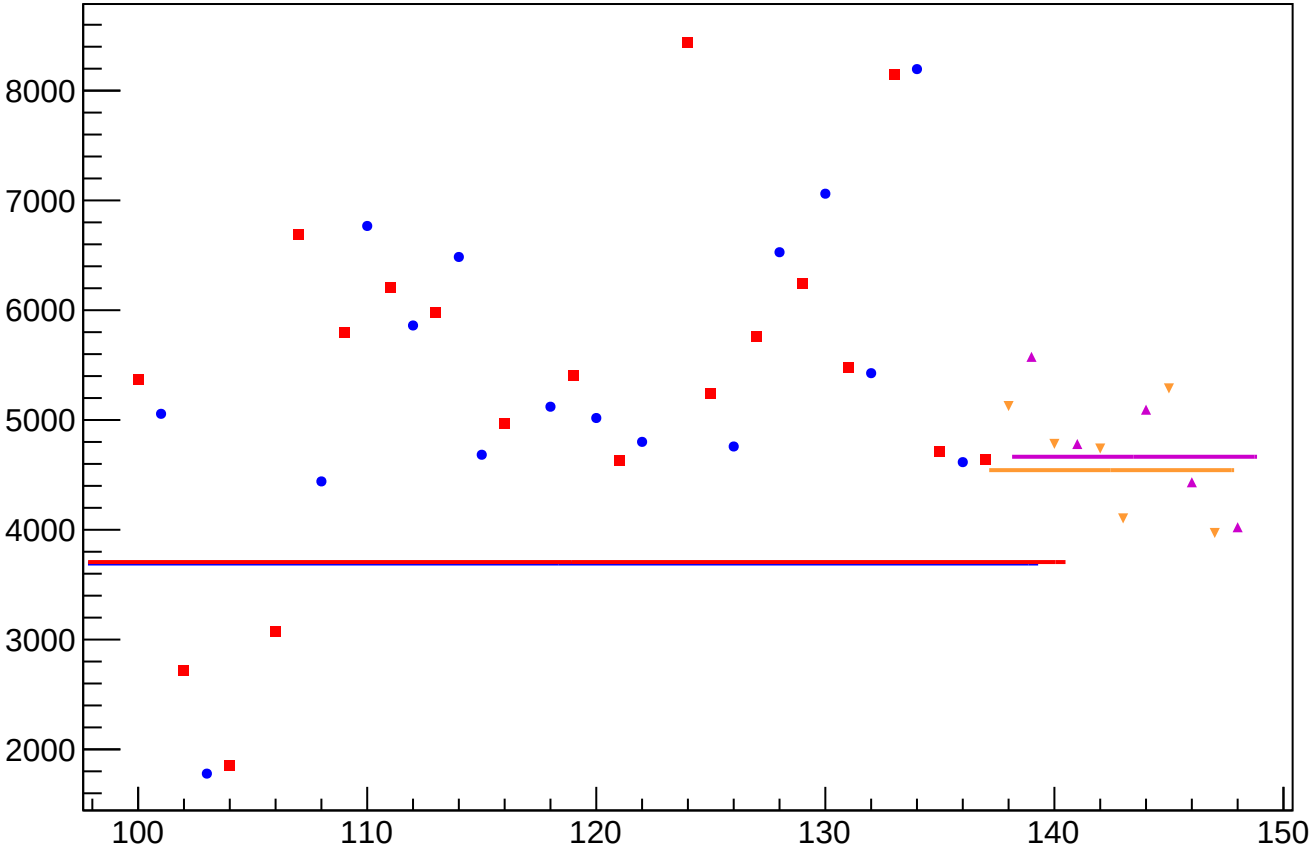
Left In: -1358.911+/-2250.482 χ^2/NDF:1.9/4

+ sign 1261.526+/-1252.871 χ^2/NDF: 26.4/21

All: -529.385+/-894.566 χ^2/NDF: 46.2/45

- sign -2392.006+/-1277.708 χ^2/NDF: 15.6/23

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

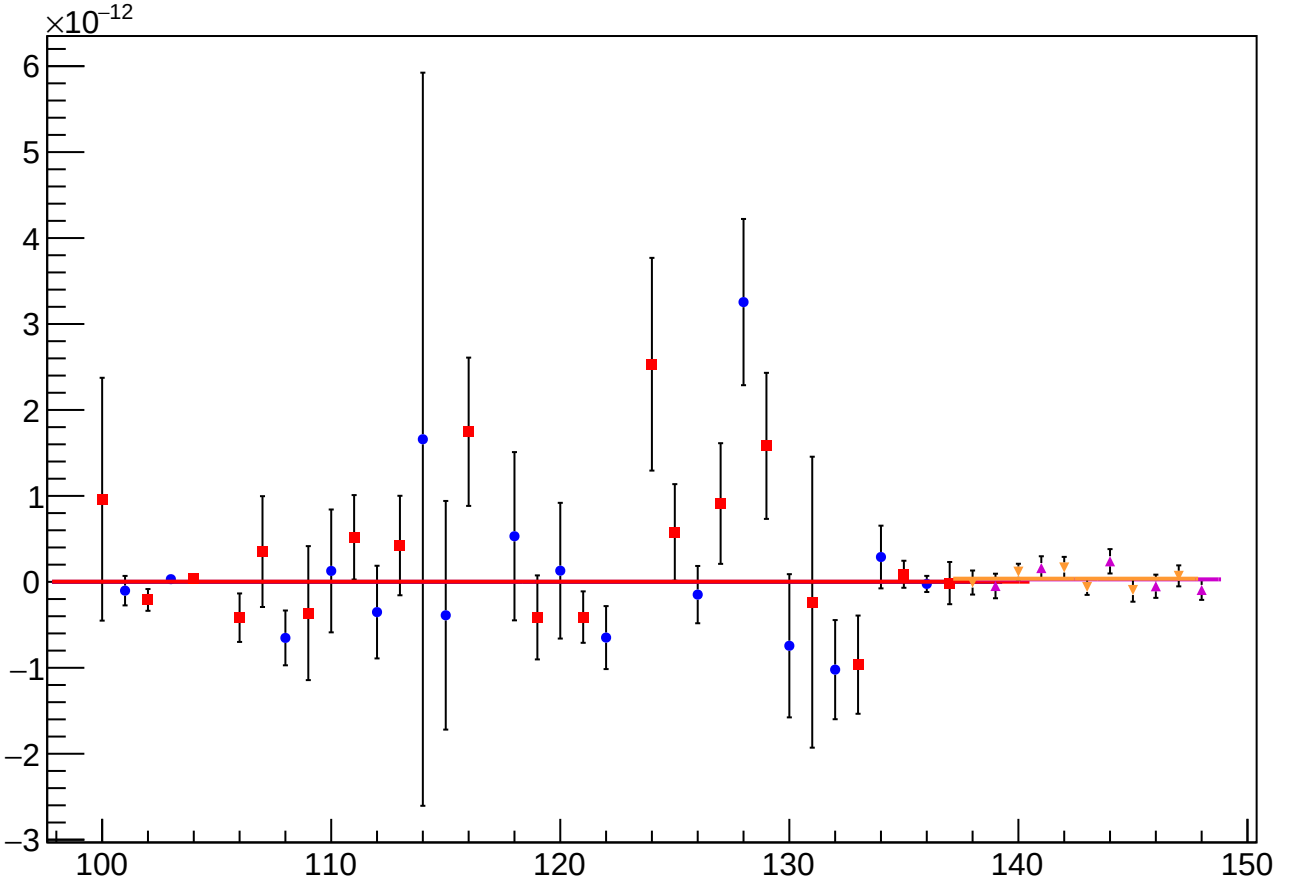
Left In: 4665.237+/-1.591 χ^2/NDF:106290.9/4

+ sign 3979.805+/-0.886 χ^2/NDF: 3202326.1/21

All: 3995.235+/-0.630 χ^2/NDF: 6241535.9/45

- sign 4011.065+/-0.897 χ^2/NDF: 3038595.2/23

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

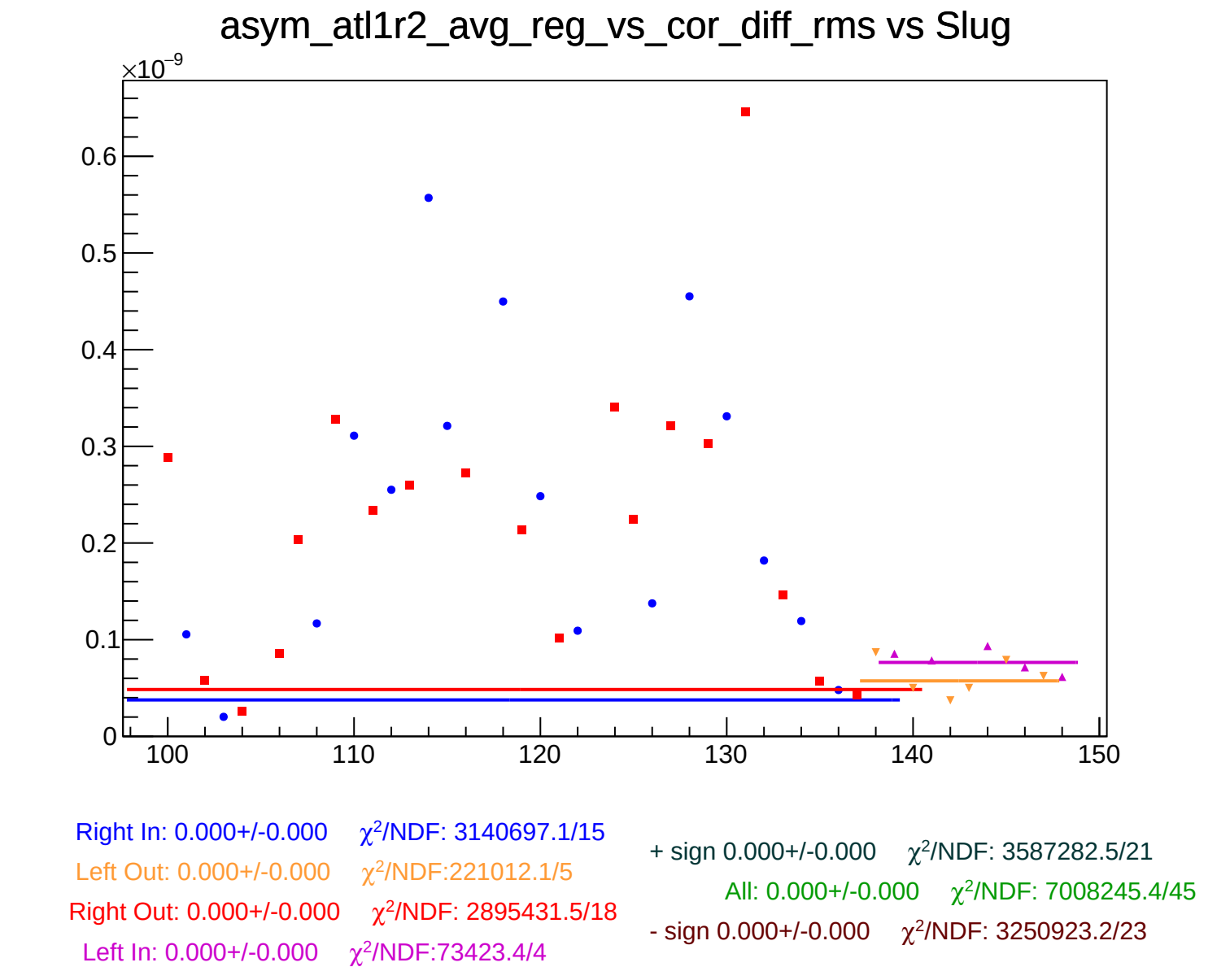
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

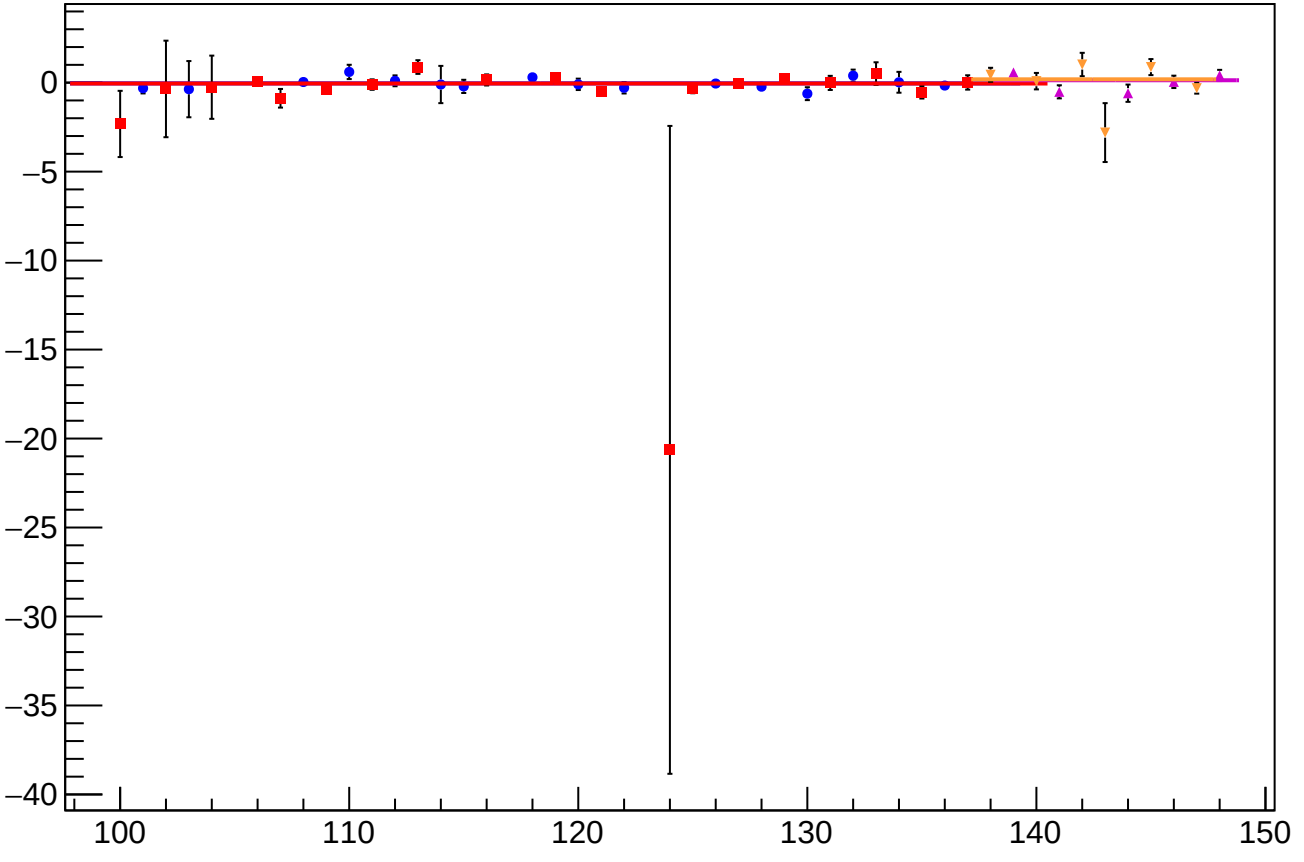
+ sign 0.000+/-0.000 χ^2/NDF: 29.8/21

All: 0.000+/-0.000 χ^2/NDF: 63.1/45

- sign 0.000+/-0.000 χ^2/NDF: 33.2/23


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:221012.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:73423.4/4
+ sign 0.000+/-0.000 χ²/NDF: 3587282.5/21
All: 0.000+/-0.000 χ²/NDF: 7008245.4/45
- sign 0.000+/-0.000 χ²/NDF: 3250923.2/23

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

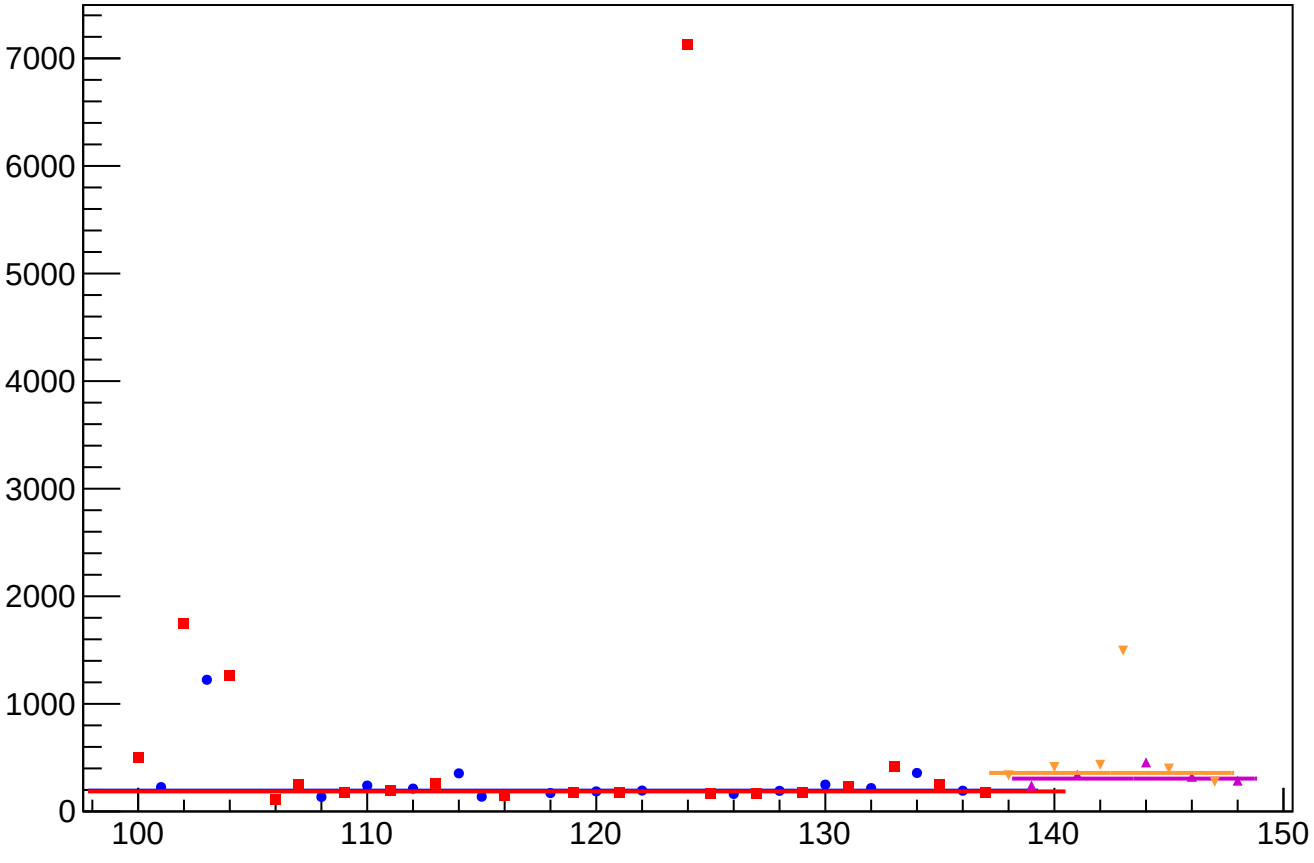
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.008+/-0.050 χ^2/NDF: 56.3/45

- sign -0.010+/-0.070 χ^2/NDF: 32.9/23

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

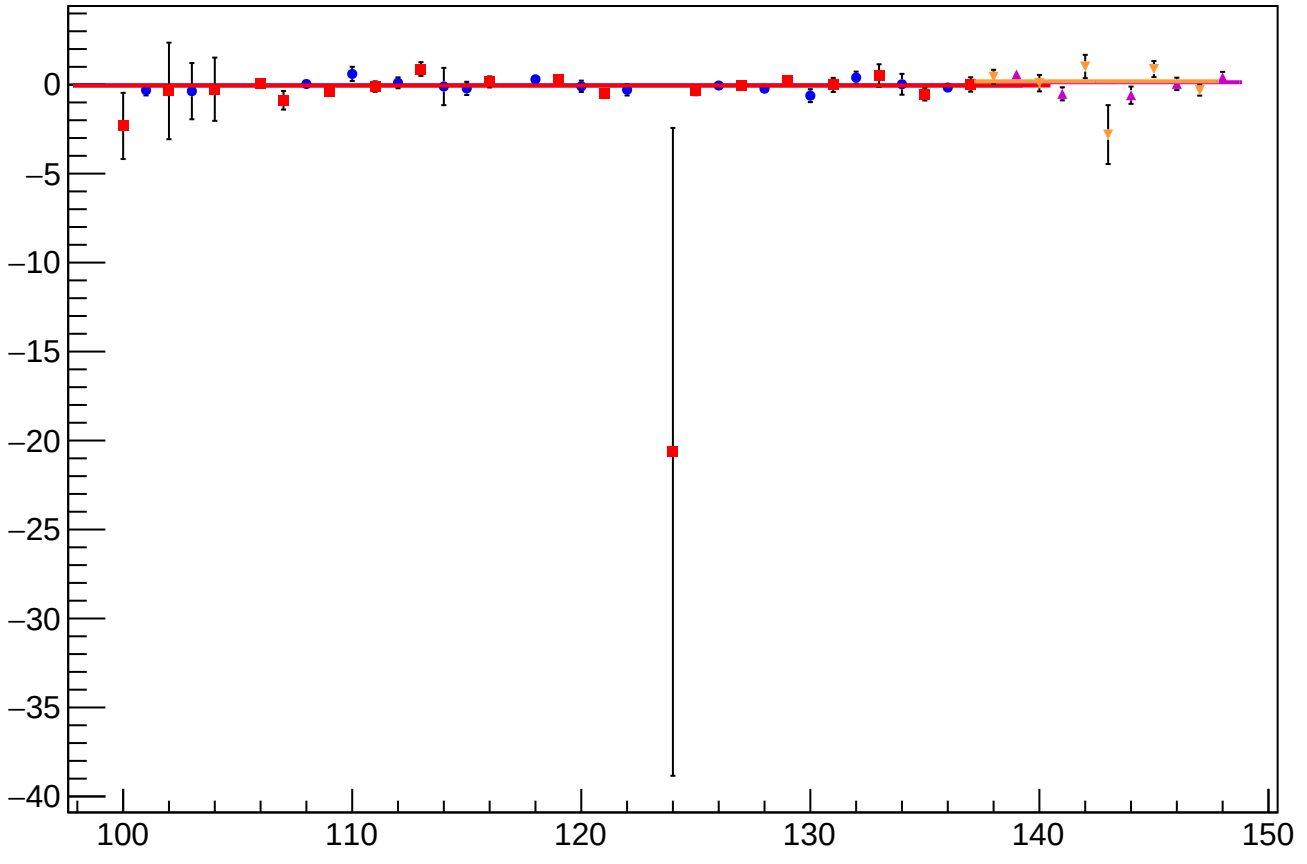
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

+ sign 218.277+/-0.051 χ^2/NDF: 3941184.4/21

All: 214.906+/-0.035 χ^2/NDF: 7736915.5/45

- sign 211.694+/-0.049 χ^2/NDF: 3787079.3/23



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

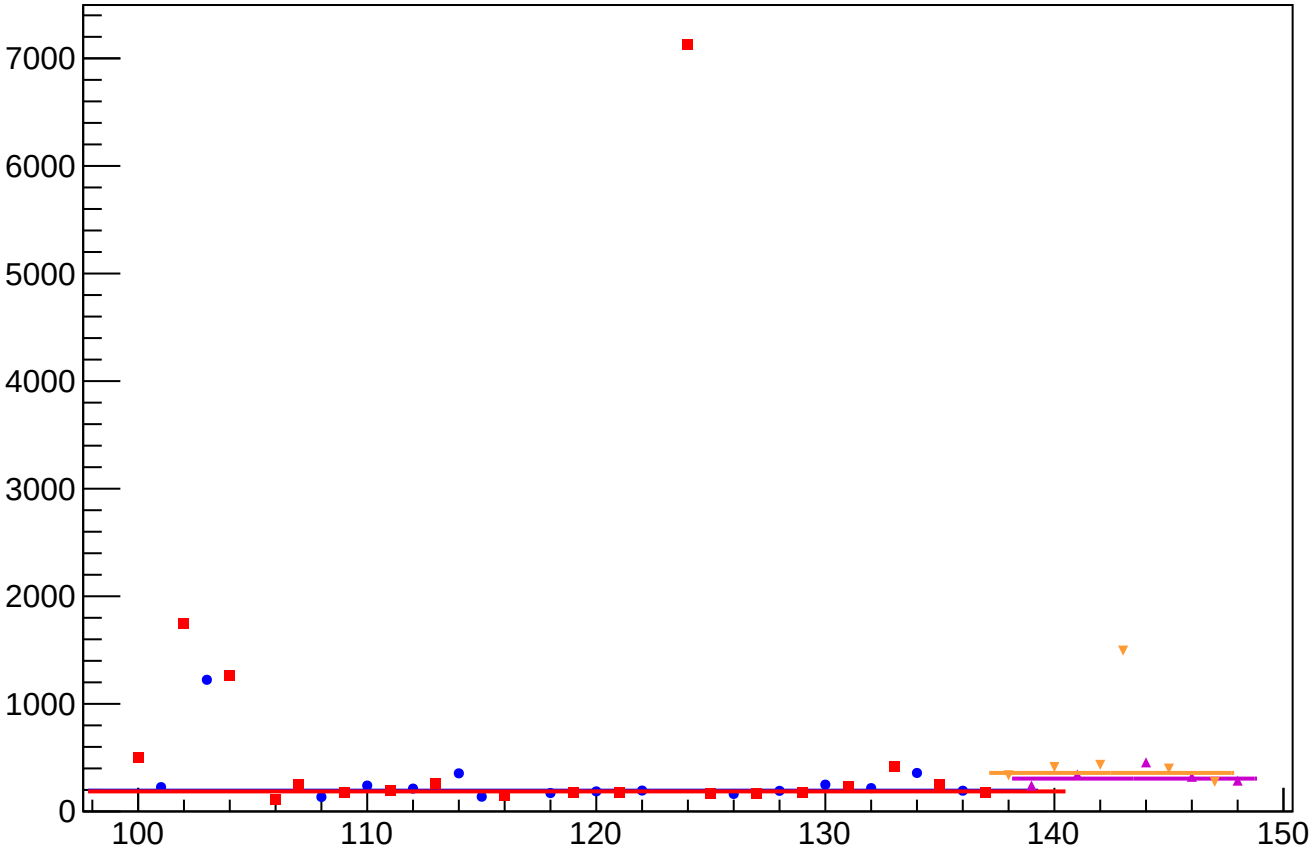
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.008+/-0.050 χ^2/NDF: 56.3/45

- sign -0.010+/-0.070 χ^2/NDF: 32.9/23

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

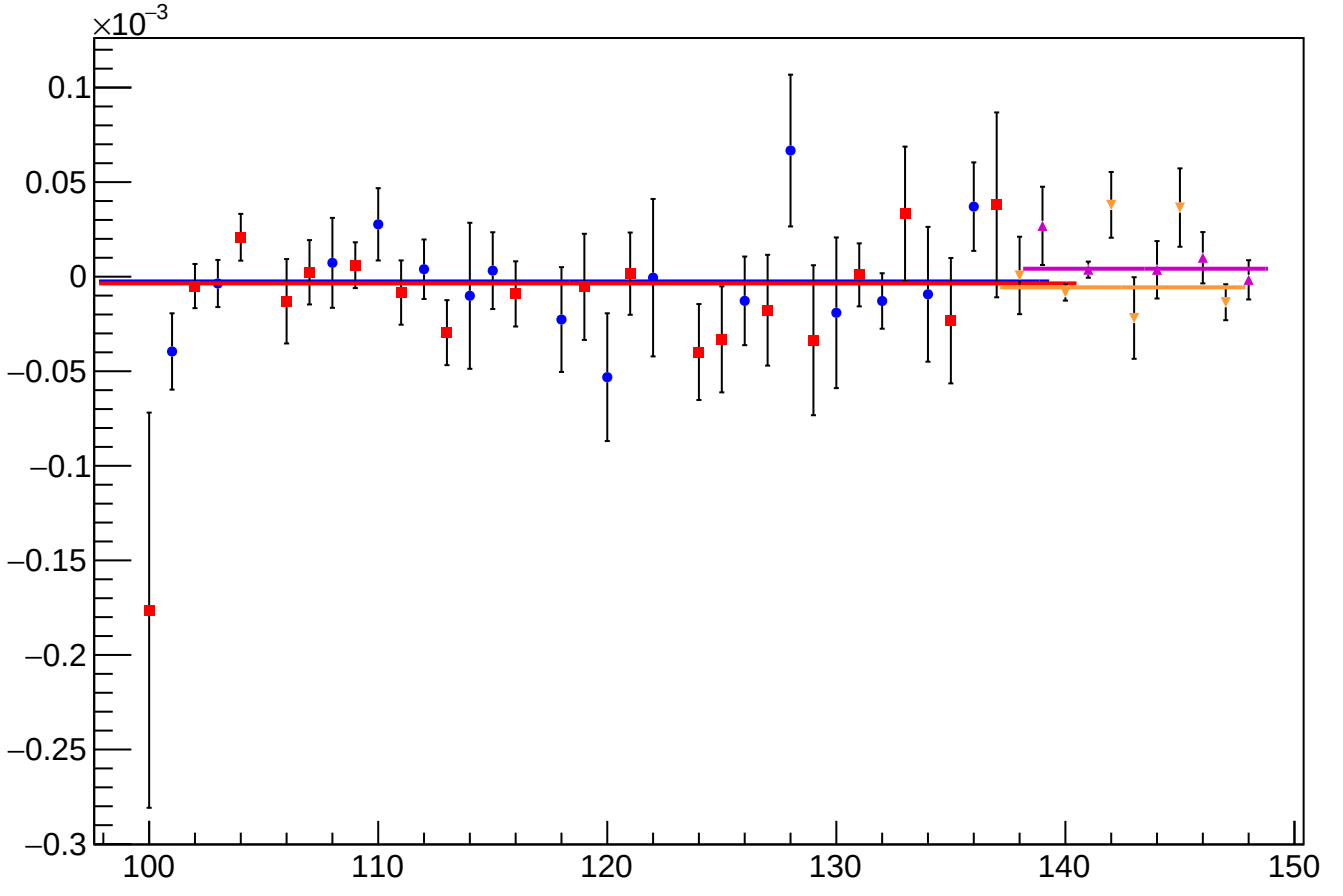
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

+ sign 218.277+/-0.051 χ^2/NDF: 3941184.4/21

All: 214.906+/-0.035 χ^2/NDF: 7736915.5/45

- sign 211.694+/-0.049 χ^2/NDF: 3787079.3/23



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

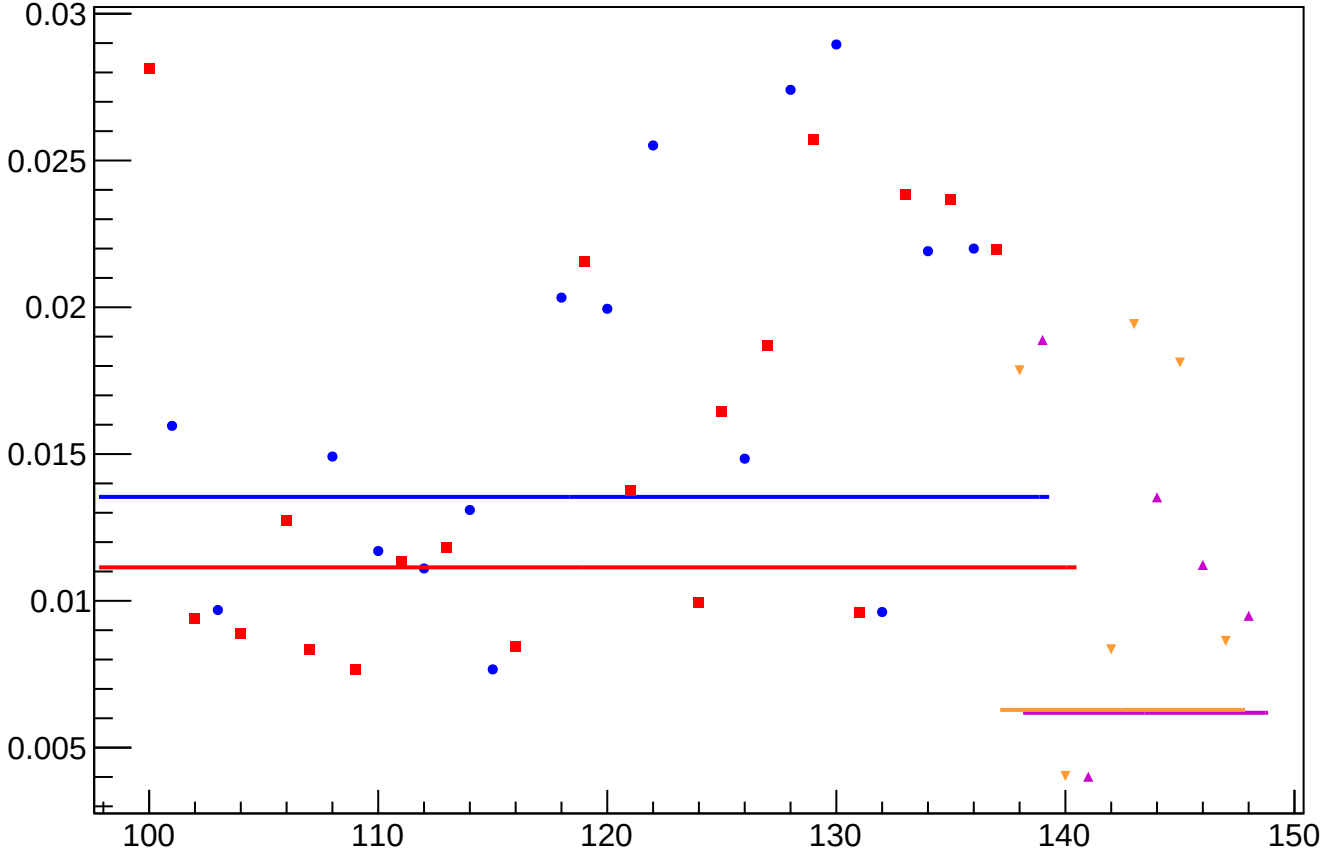
Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/21

All: -0.000+/-0.000 χ^2/NDF: 50.0/45

- sign 0.000+/-0.000 χ^2/NDF: 19.8/23

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

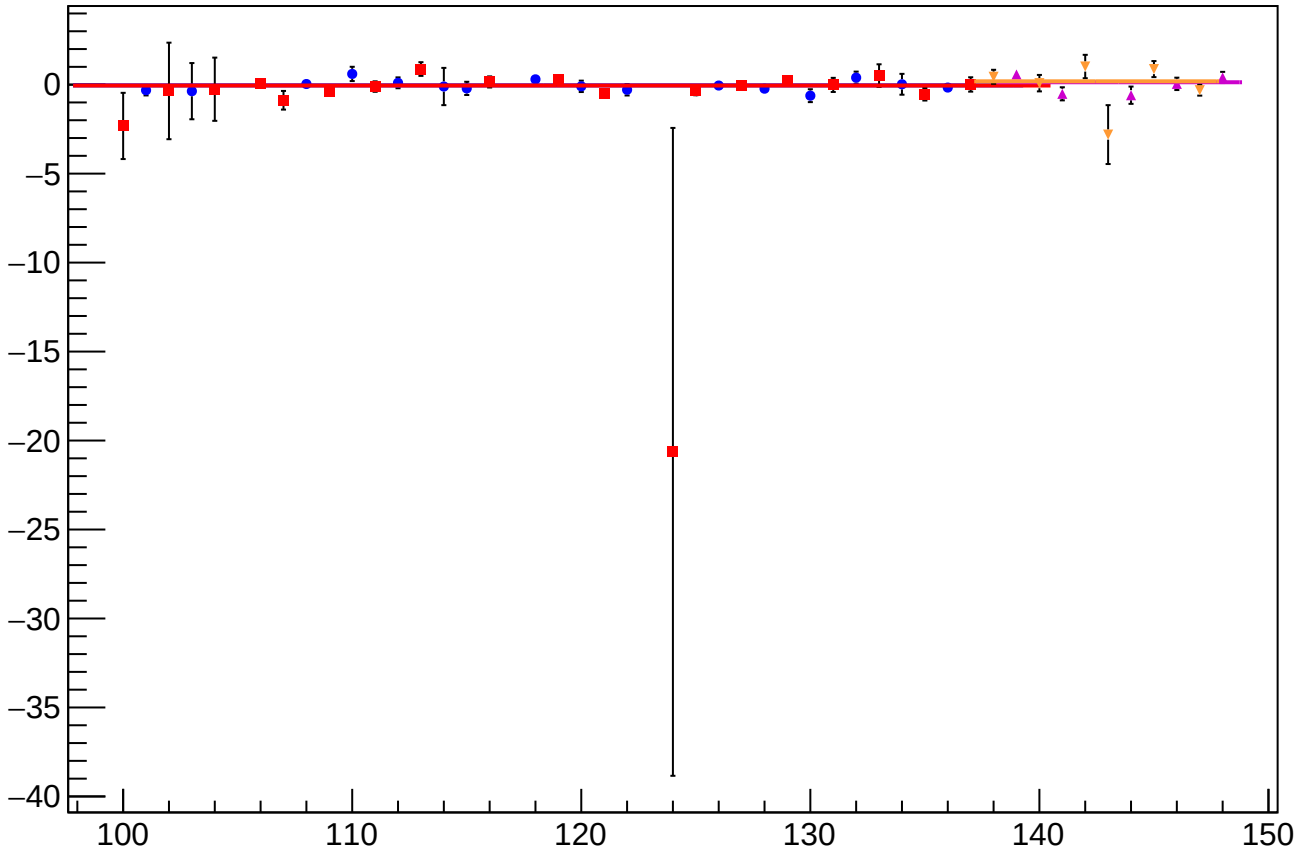
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2221617.6/4

+ sign 0.009+/-0.000 χ^2/NDF: 7009969.6/21

All: 0.008+/-0.000 χ^2/NDF: 12626642.8/45

- sign 0.008+/-0.000 χ^2/NDF: 5596022.6/23



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

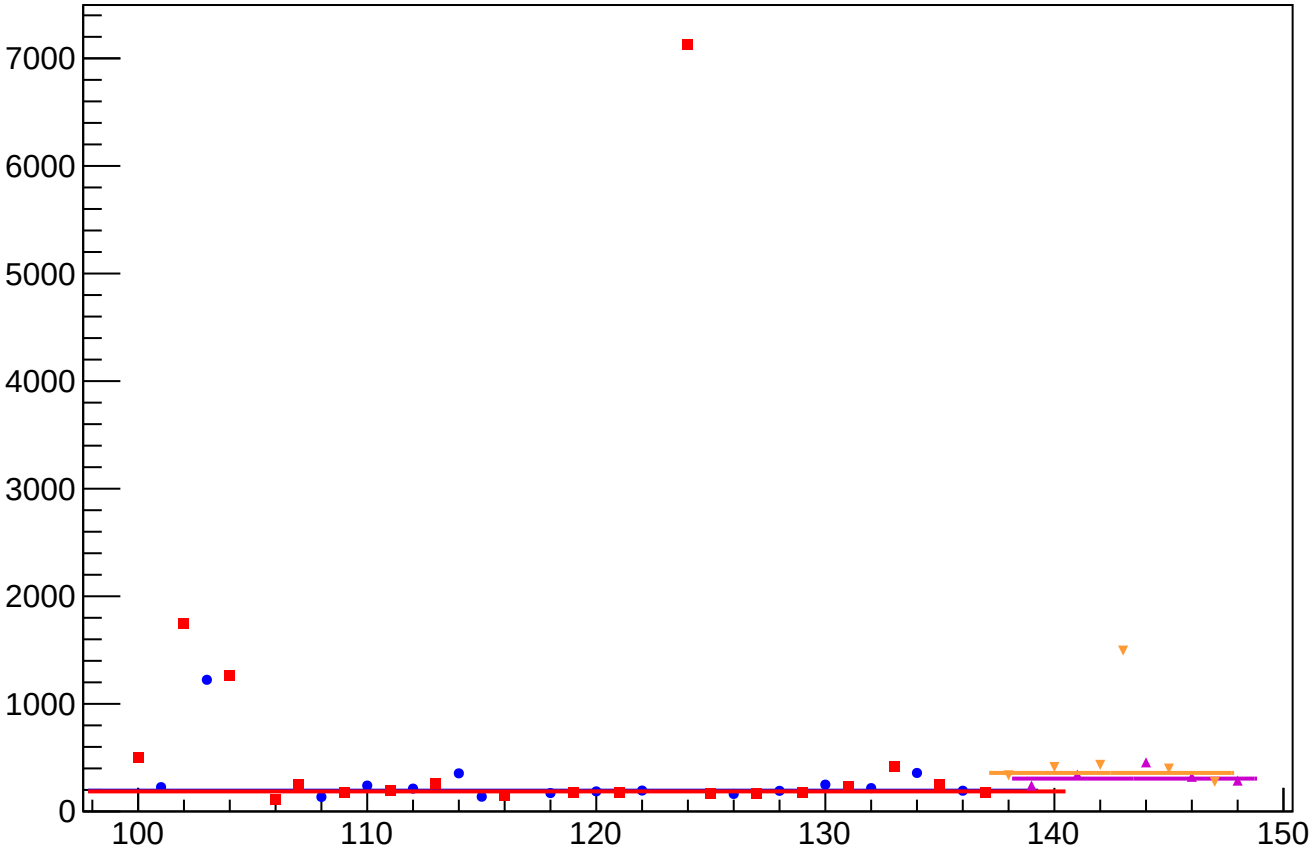
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.008+/-0.050 χ^2/NDF: 56.3/45

- sign -0.010+/-0.070 χ^2/NDF: 32.9/23

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

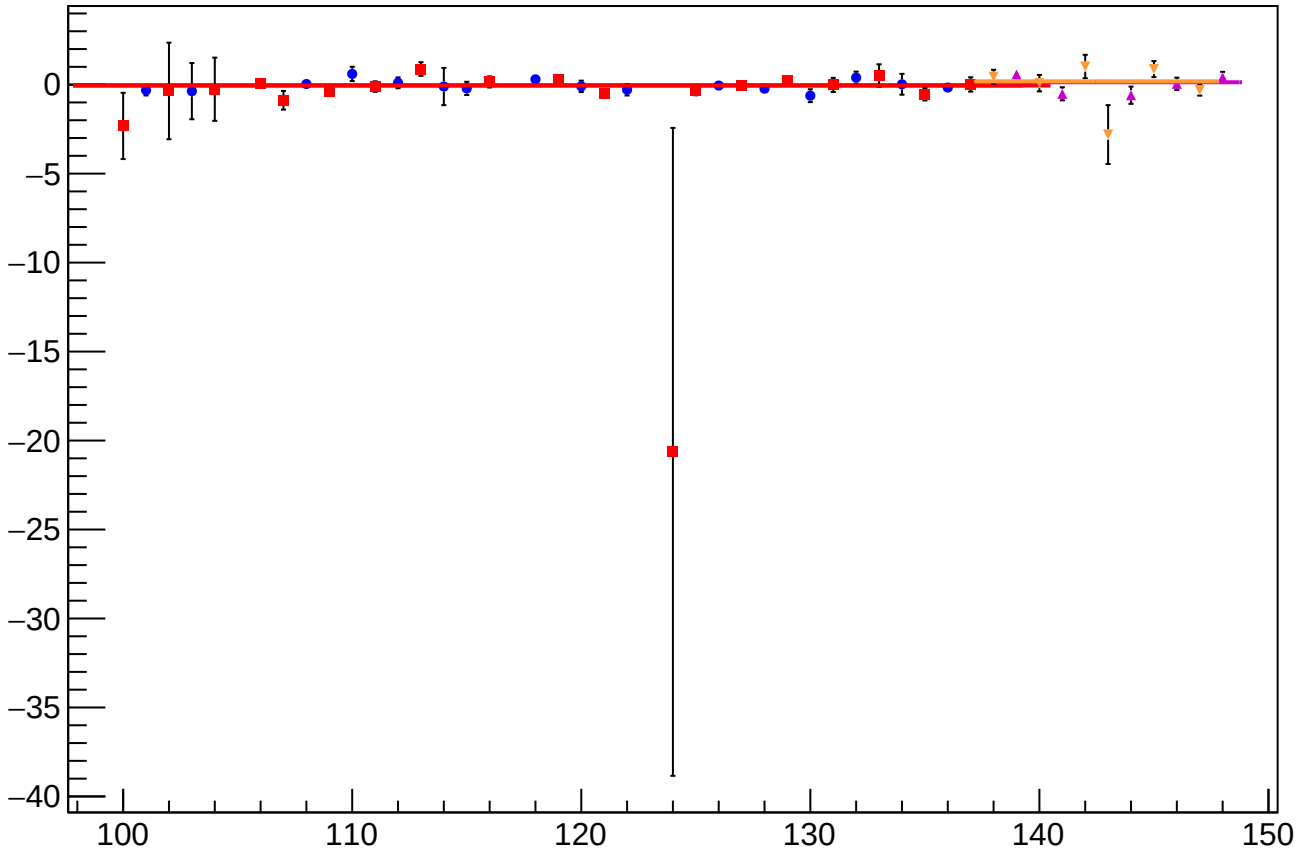
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

+ sign 218.275+/-0.051 χ^2/NDF: 3941226.1/21

All: 214.904+/-0.035 χ^2/NDF: 7737067.1/45

- sign 211.692+/-0.049 χ^2/NDF: 3787188.2/23



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.187+/-0.184 χ^2/NDF:10.4/5

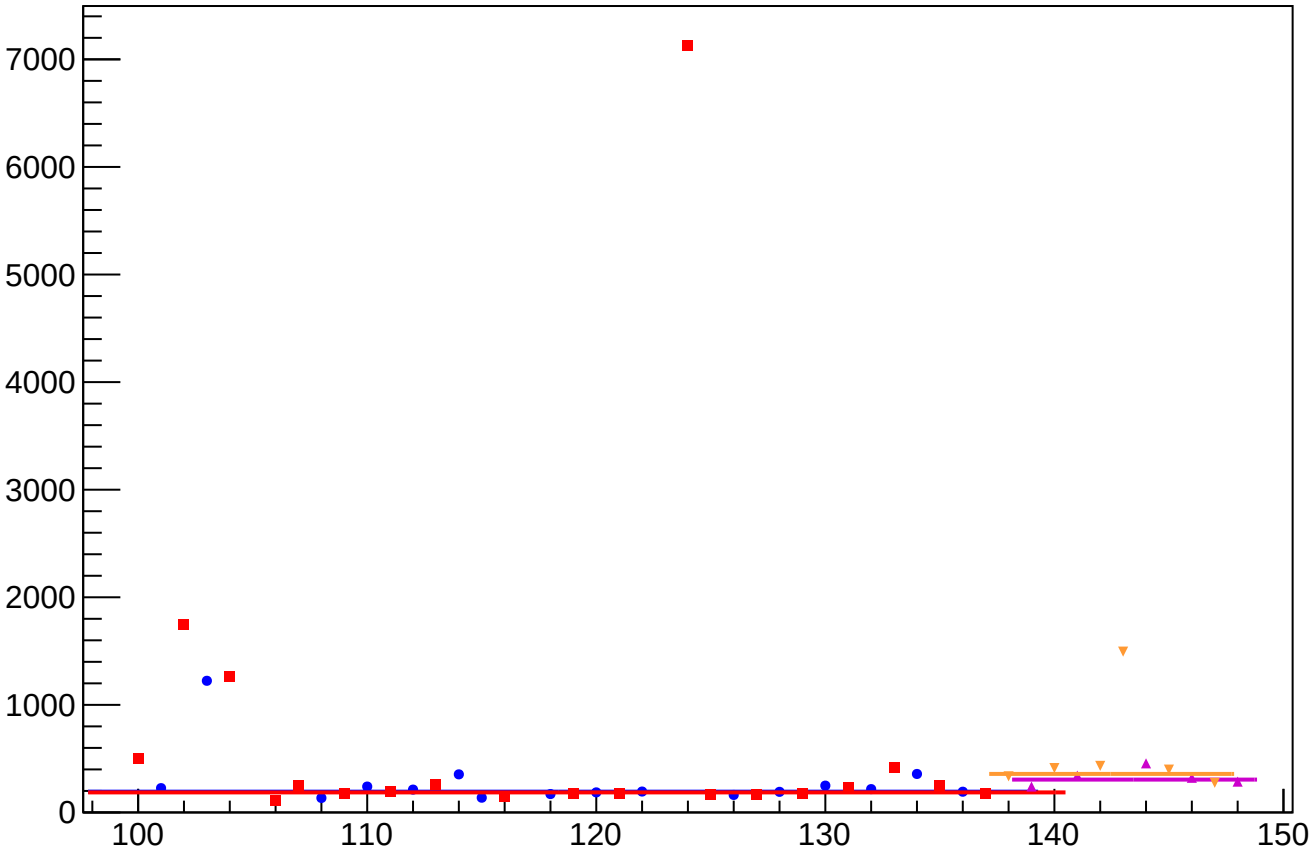
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign -0.007+/-0.072 χ^2/NDF: 23.4/21

All: -0.008+/-0.050 χ^2/NDF: 56.3/45

- sign -0.010+/-0.070 χ^2/NDF: 32.9/23



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 358.257+/-0.130 χ^2/NDF:1166593.2/5

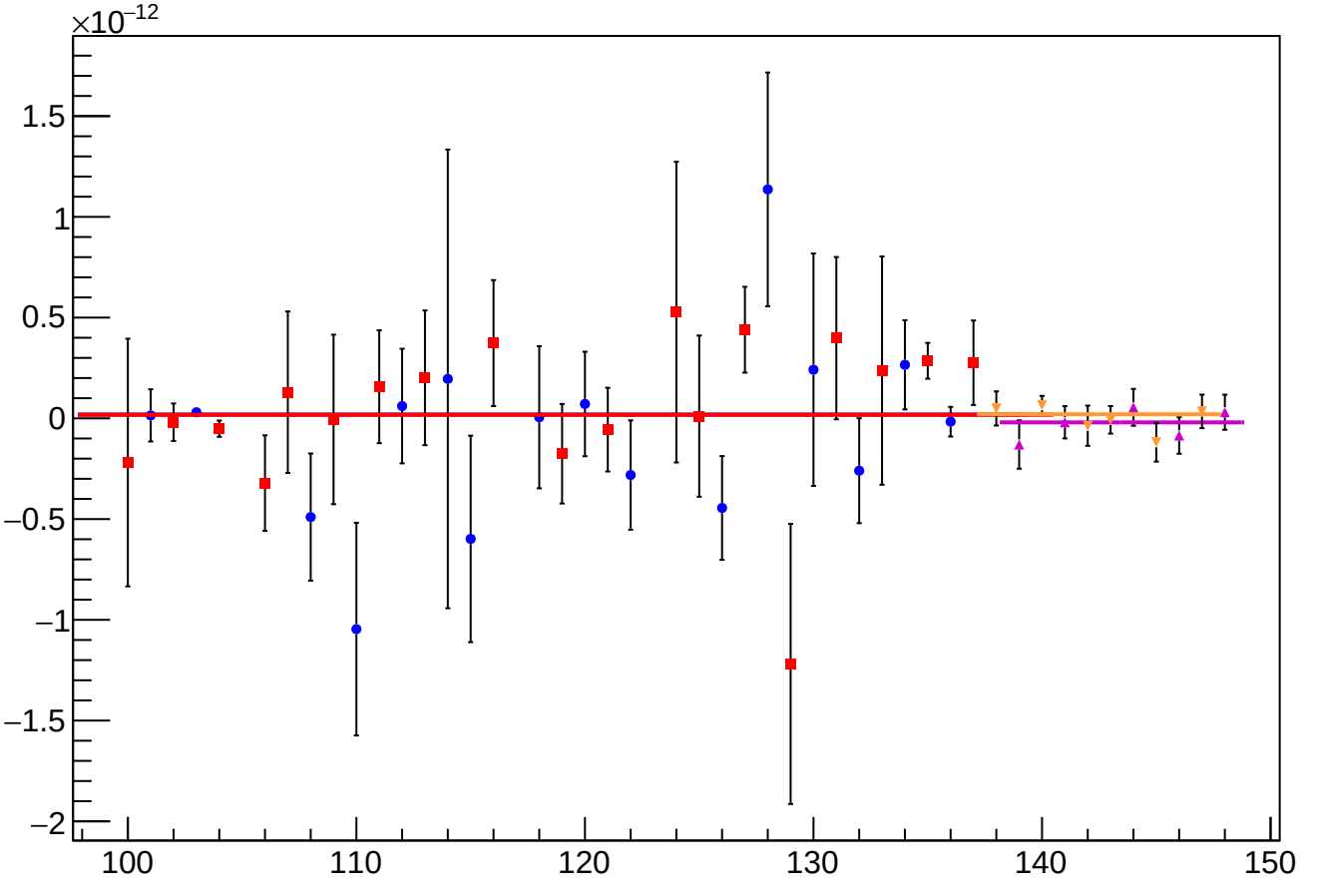
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

+ sign 218.275+/-0.051 χ^2/NDF: 3941226.1/21

All: 214.904+/-0.035 χ^2/NDF: 7737067.1/45

- sign 211.692+/-0.049 χ^2/NDF: 3787188.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/5

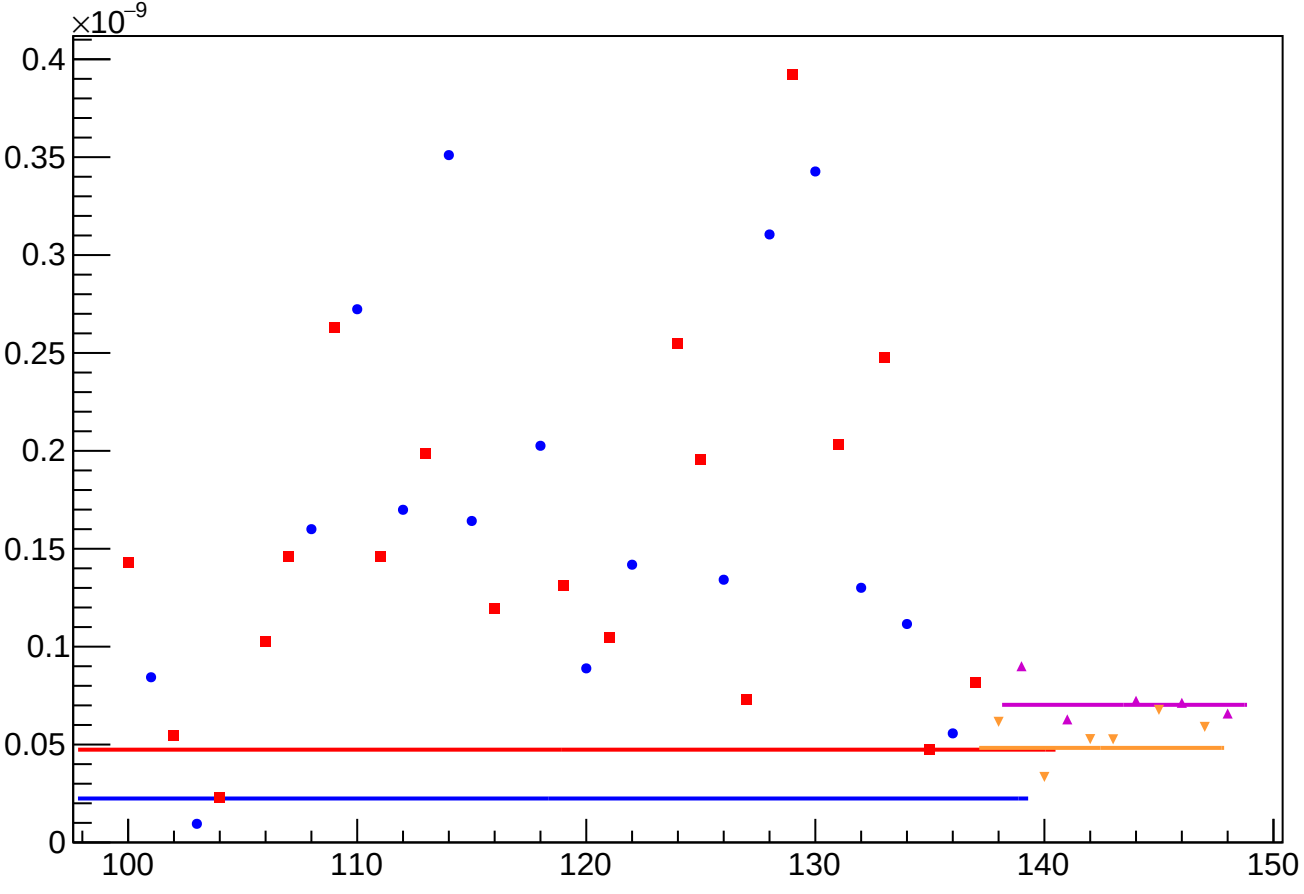
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/21

All: 0.000+/-0.000 χ^2/NDF: 53.4/45

- sign 0.000+/-0.000 χ^2/NDF: 30.0/23



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

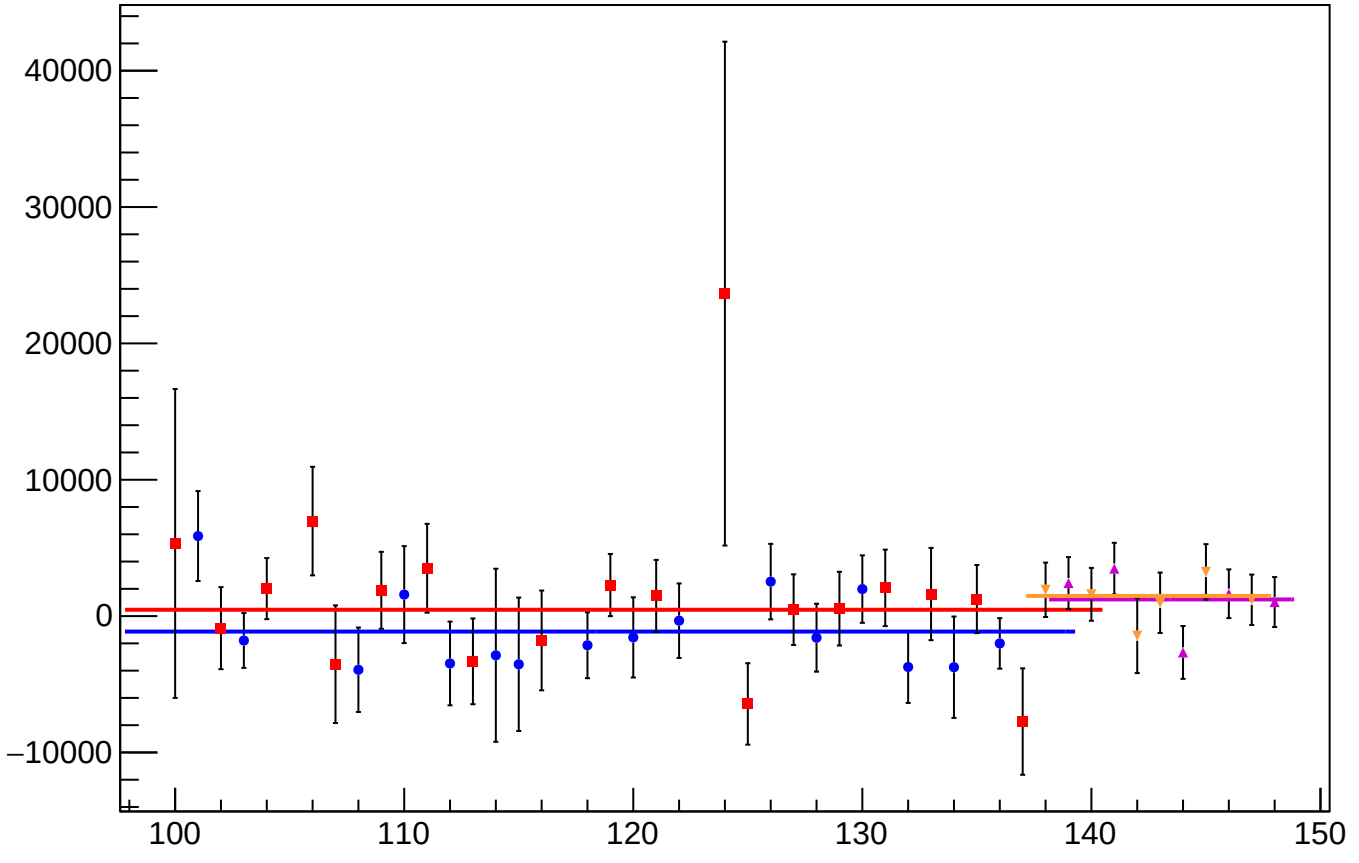
Left In: 0.000+/-0.000 χ^2/NDF:77705.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 7836831.7/21

All: 0.000+/-0.000 χ^2/NDF: 13915345.6/45

- sign 0.000+/-0.000 χ^2/NDF: 4710399.4/23

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

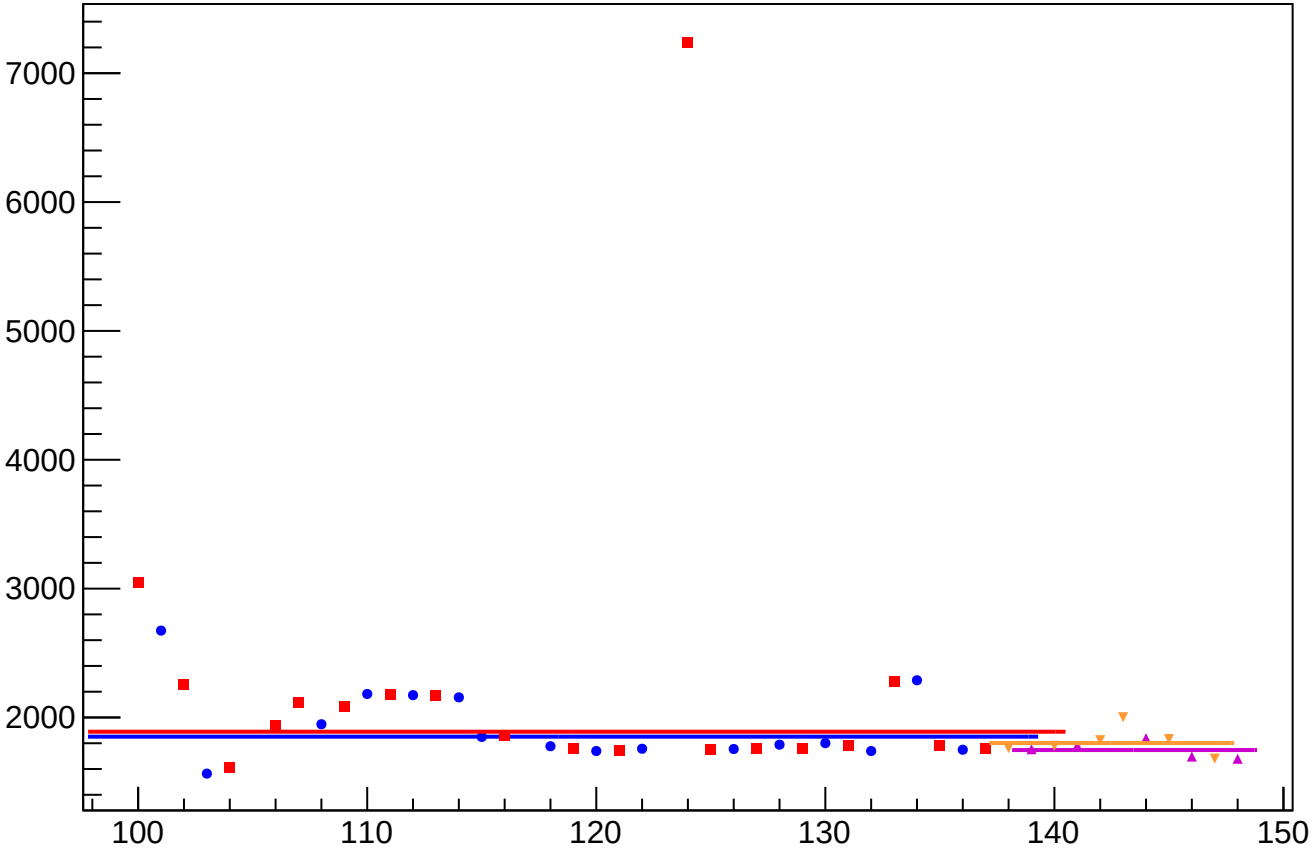
Left In: 1222.892+/-835.799 χ^2/NDF:5.9/4

+ sign -87.207+/-537.113 χ^2/NDF: 19.9/21

All: 345.057+/-380.569 χ^2/NDF: 47.6/45

- sign 780.855+/-539.304 χ^2/NDF: 26.4/23

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

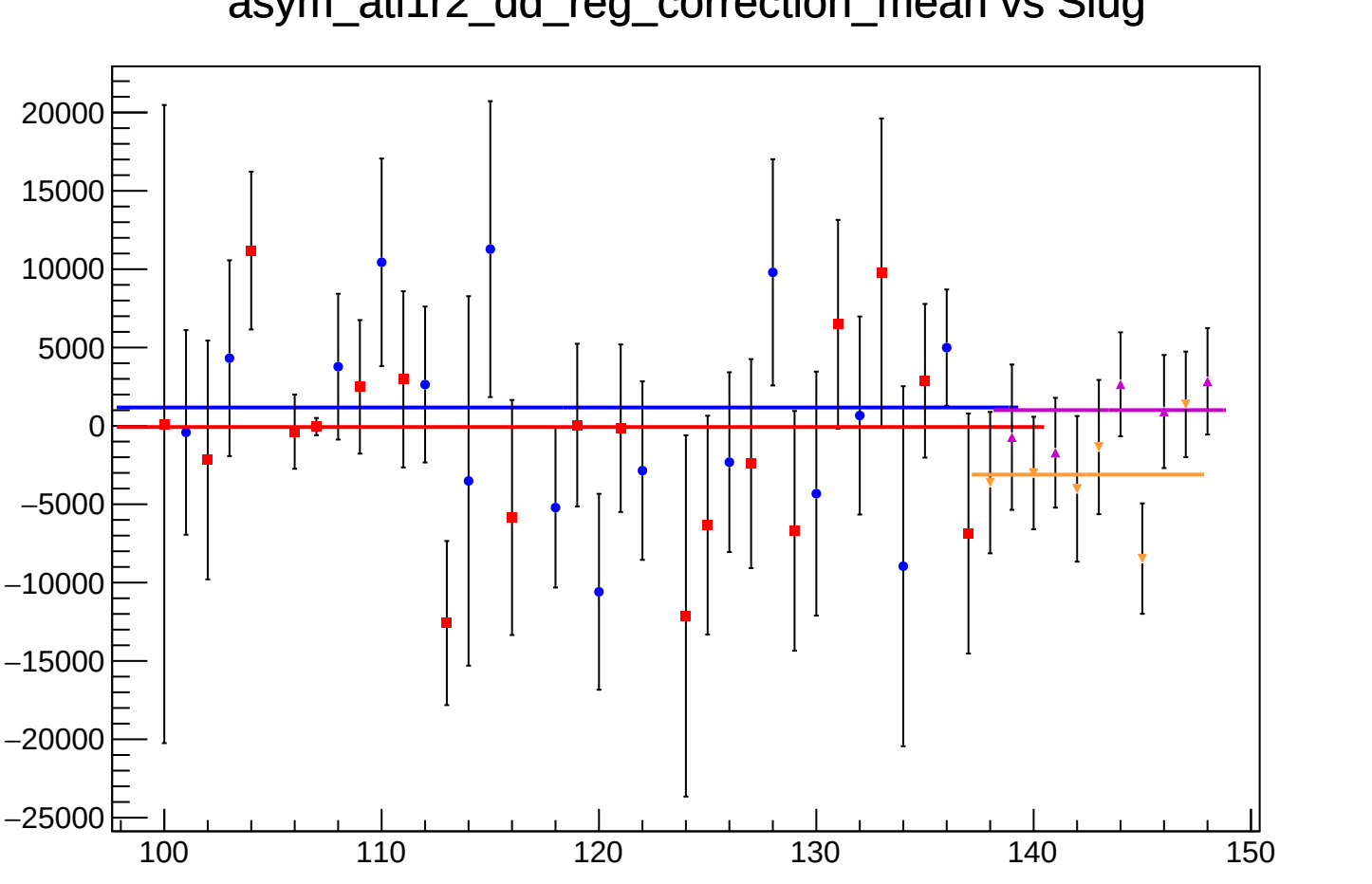
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

+ sign 1831.258+/-0.380 χ^2/NDF: 290568.5/21

All: 1830.865+/-0.269 χ^2/NDF: 692842.1/45

- sign 1830.470+/-0.381 χ^2/NDF: 402271.4/23



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

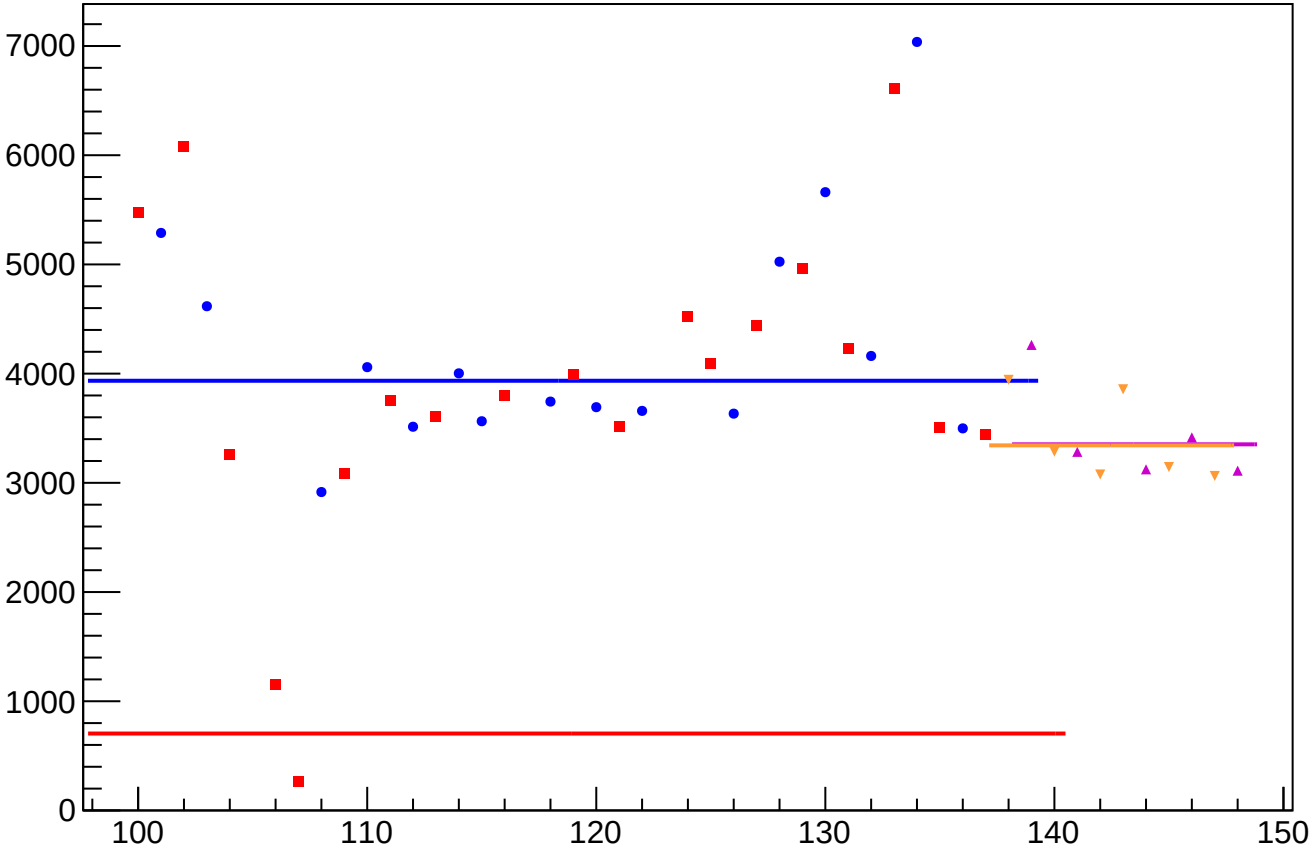
Left In: 1007.713+/-1617.382 χ^2/NDF:1.3/4

+ sign -847.124+/-1091.563 χ^2/NDF: 21.9/21

All: -118.855+/-441.425 χ^2/NDF: 42.0/45

- sign 23.530+/-482.652 χ^2/NDF: 19.6/23

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

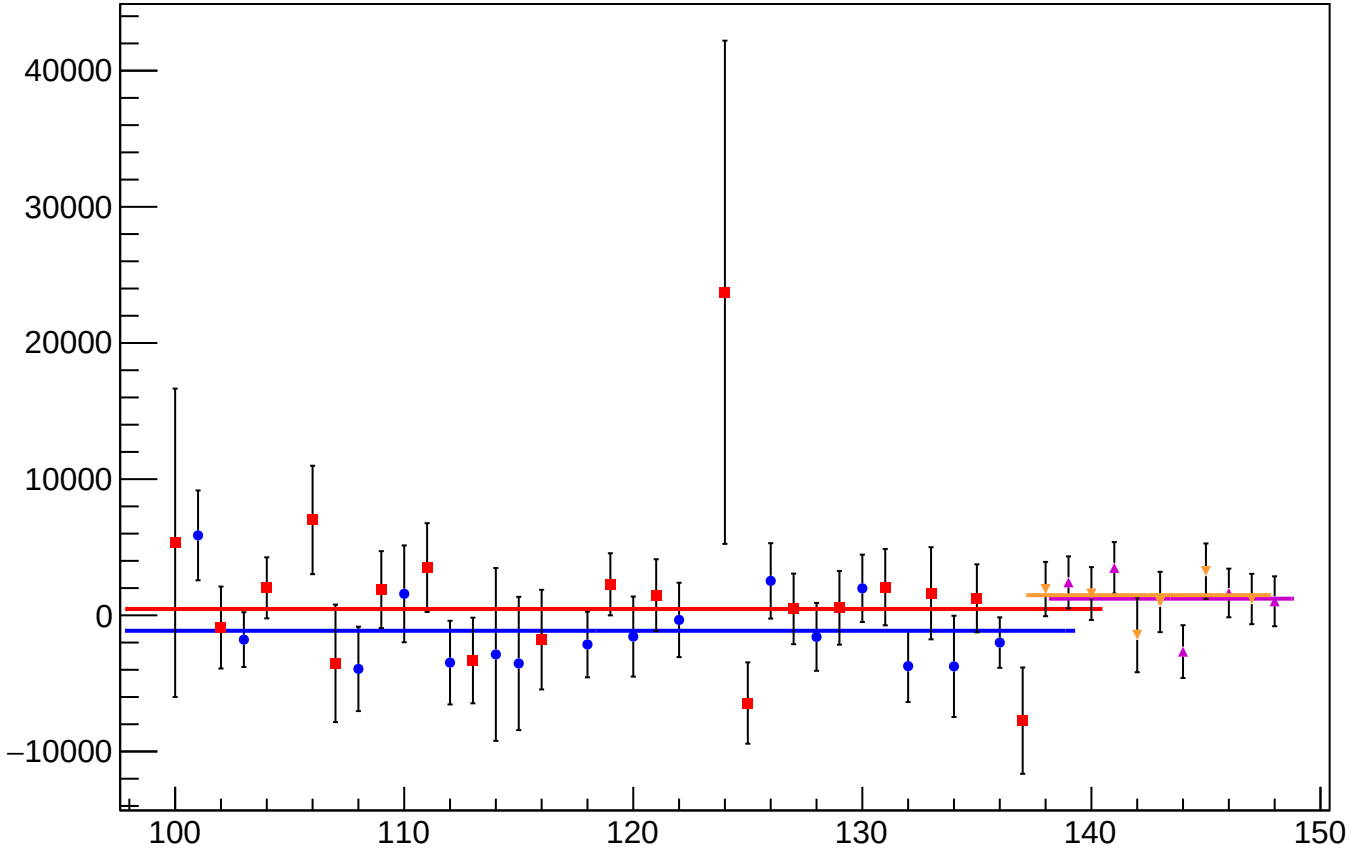
Left In: 3352.476+/-1.144 χ^2/NDF:98063.6/4

+ sign 3655.506+/-0.772 χ^2/NDF: 797913.8/21

All: 1384.256+/-0.312 χ^2/NDF: 26750288.9/4

- sign 940.203+/-0.341 χ^2/NDF: 15600580.4/23

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

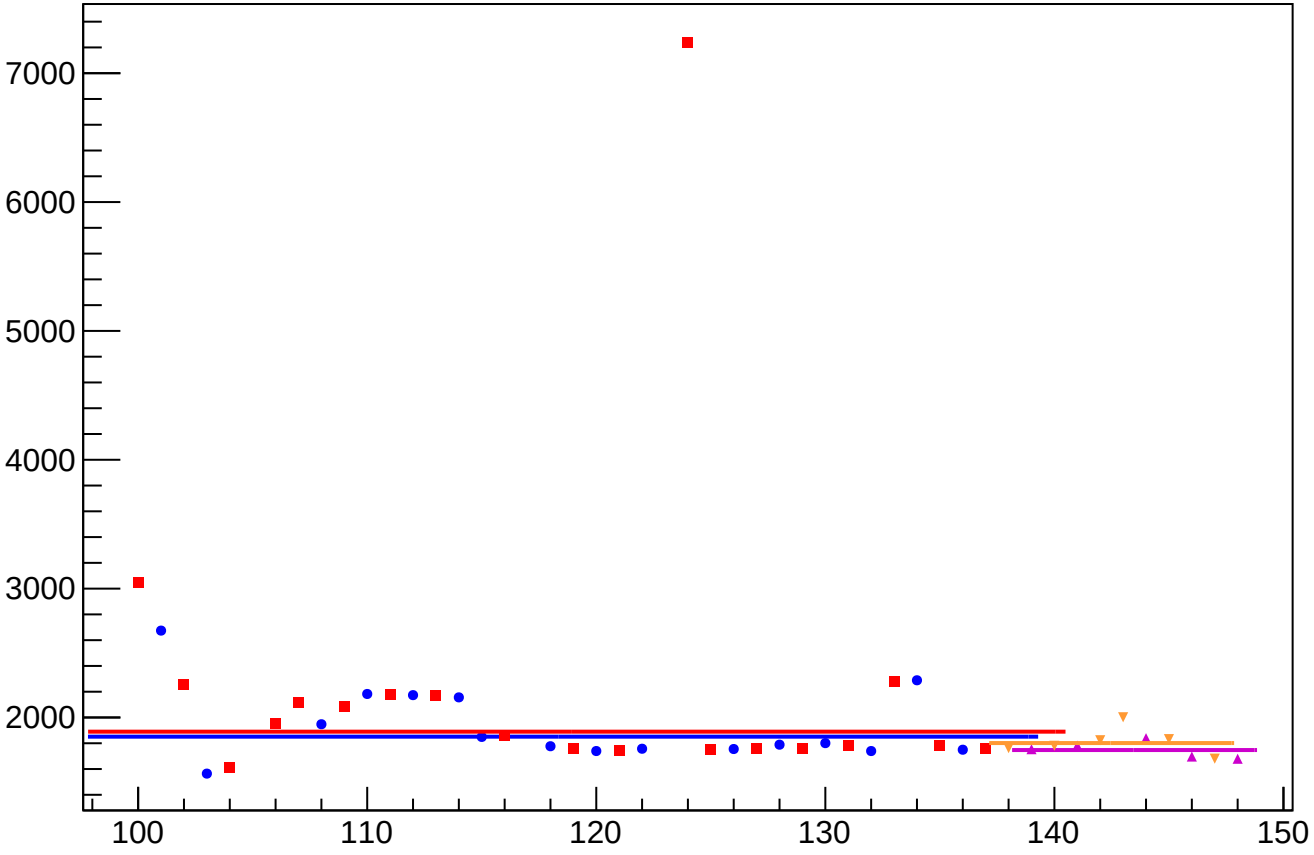
Left In: 1222.960+/-835.799 χ^2/NDF:5.9/4

+ sign -86.978+/-537.113 χ^2/NDF: 19.9/21

All: 345.296+/-380.569 χ^2/NDF: 47.7/45

- sign 781.105+/-539.305 χ^2/NDF: 26.4/23

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

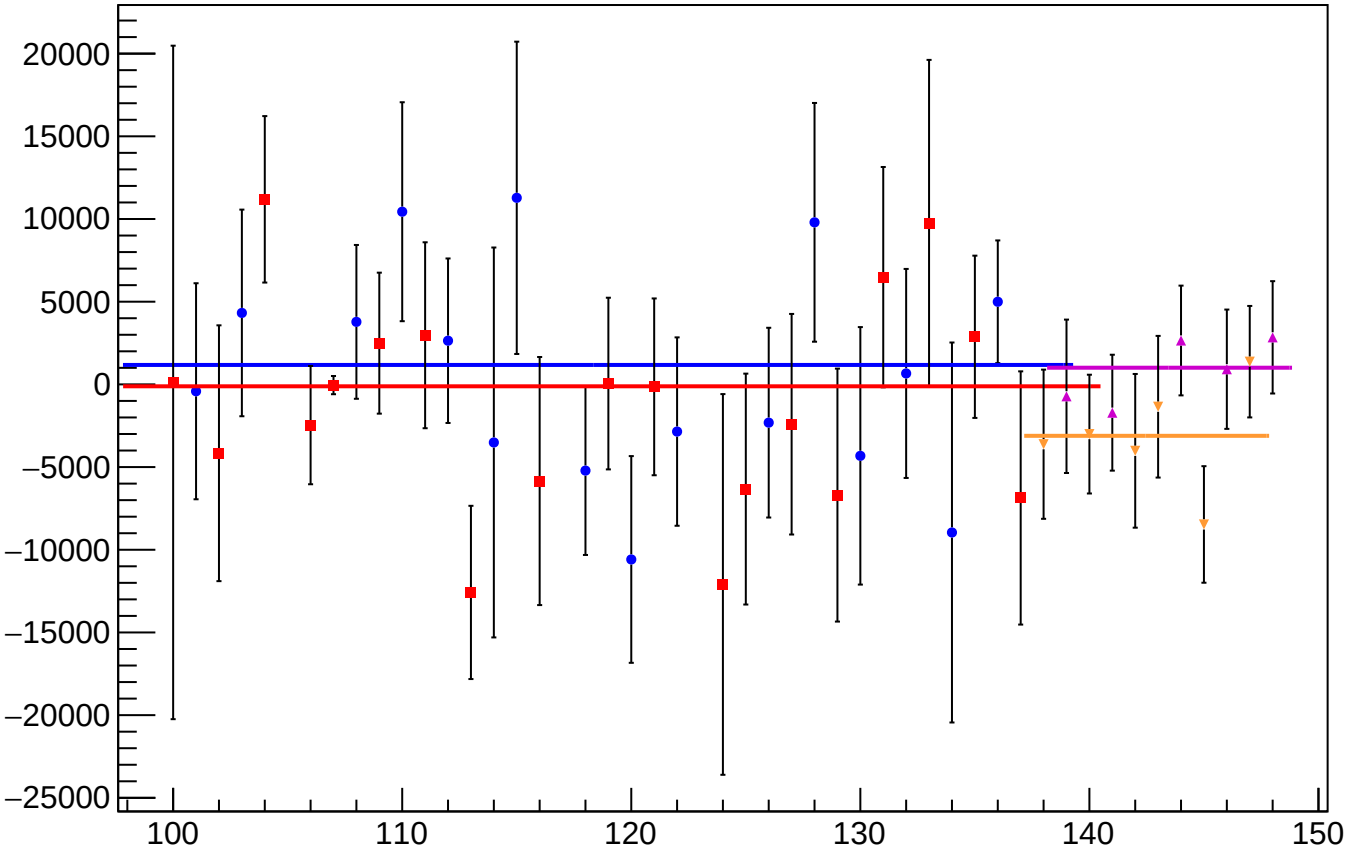
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

+ sign 1831.258+/-0.380 χ^2/NDF: 290567.7/21

All: 1830.991+/-0.269 χ^2/NDF: 693272.0/45

- sign 1830.722+/-0.381 χ^2/NDF: 402703.3/23



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

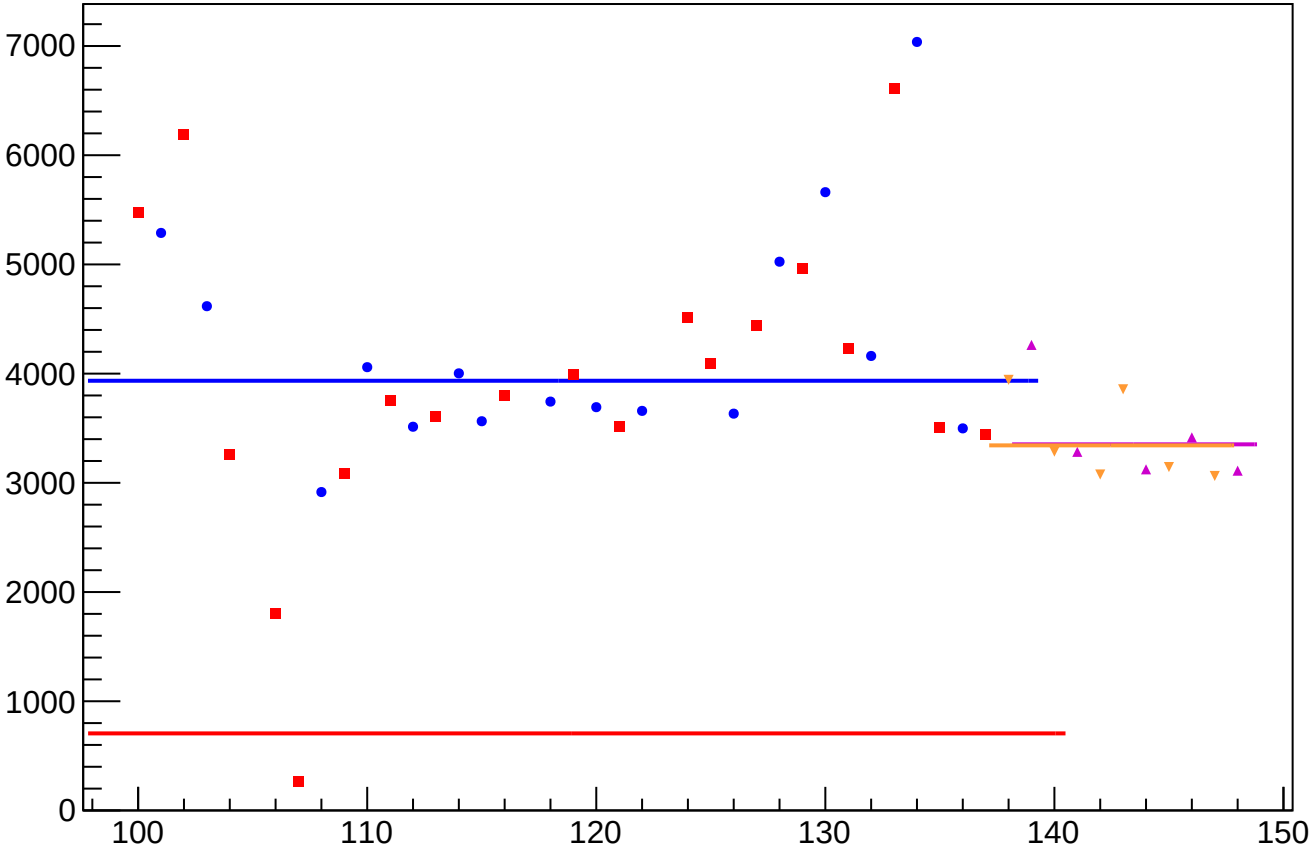
Left In: 1007.686+/-1617.383 χ^2/NDF:1.3/4

+ sign -847.149+/-1091.563 χ^2/NDF: 21.9/21

All: -152.519+/-445.792 χ^2/NDF: 42.6/45

- sign -13.470+/-488.377 χ^2/NDF: 20.3/23

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

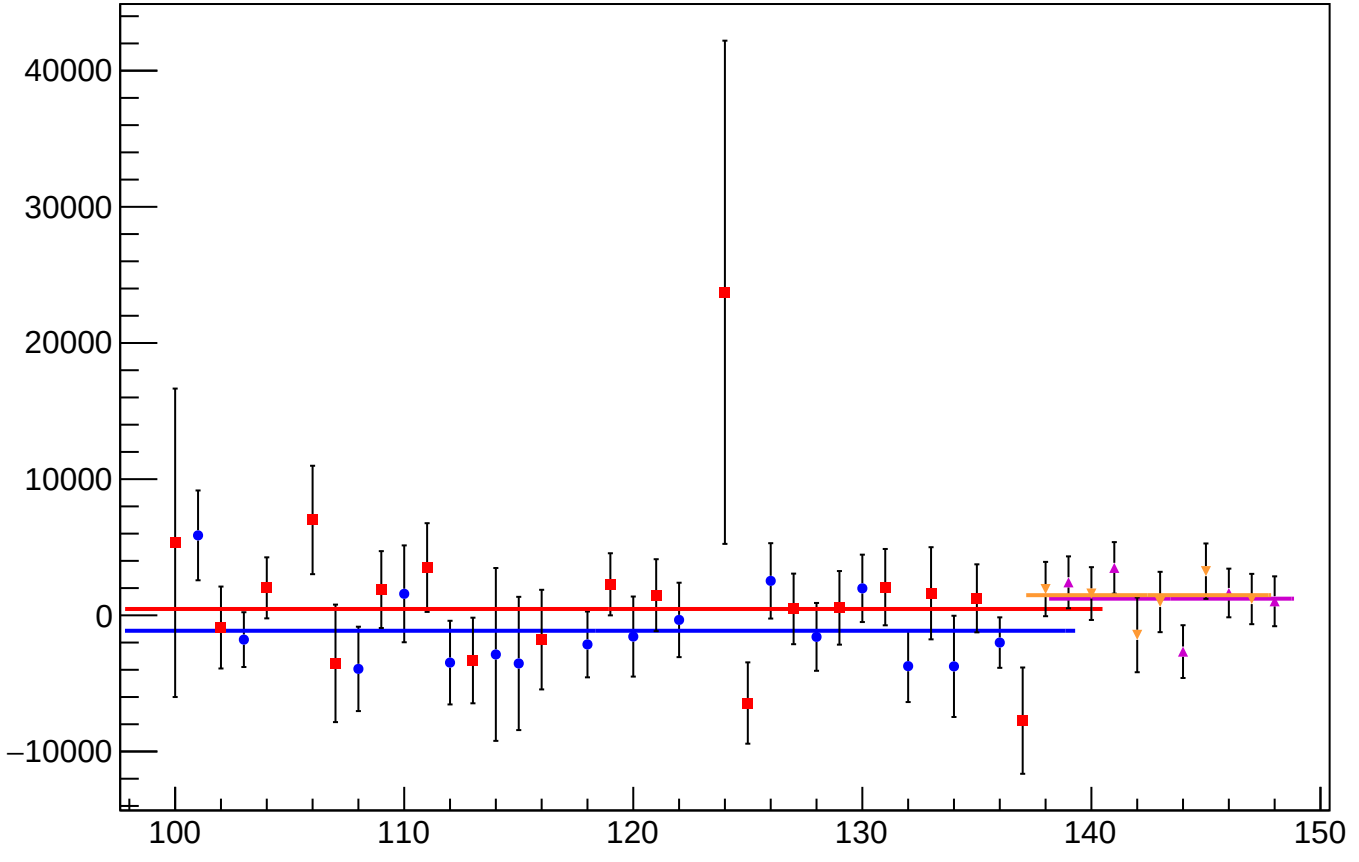
Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

+ sign 3655.501+/-0.772 χ^2/NDF: 797951.9/21

All: 1398.708+/-0.315 χ^2/NDF: 26771485.3/4

- sign 946.952+/-0.345 χ^2/NDF: 15713214.6/23

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

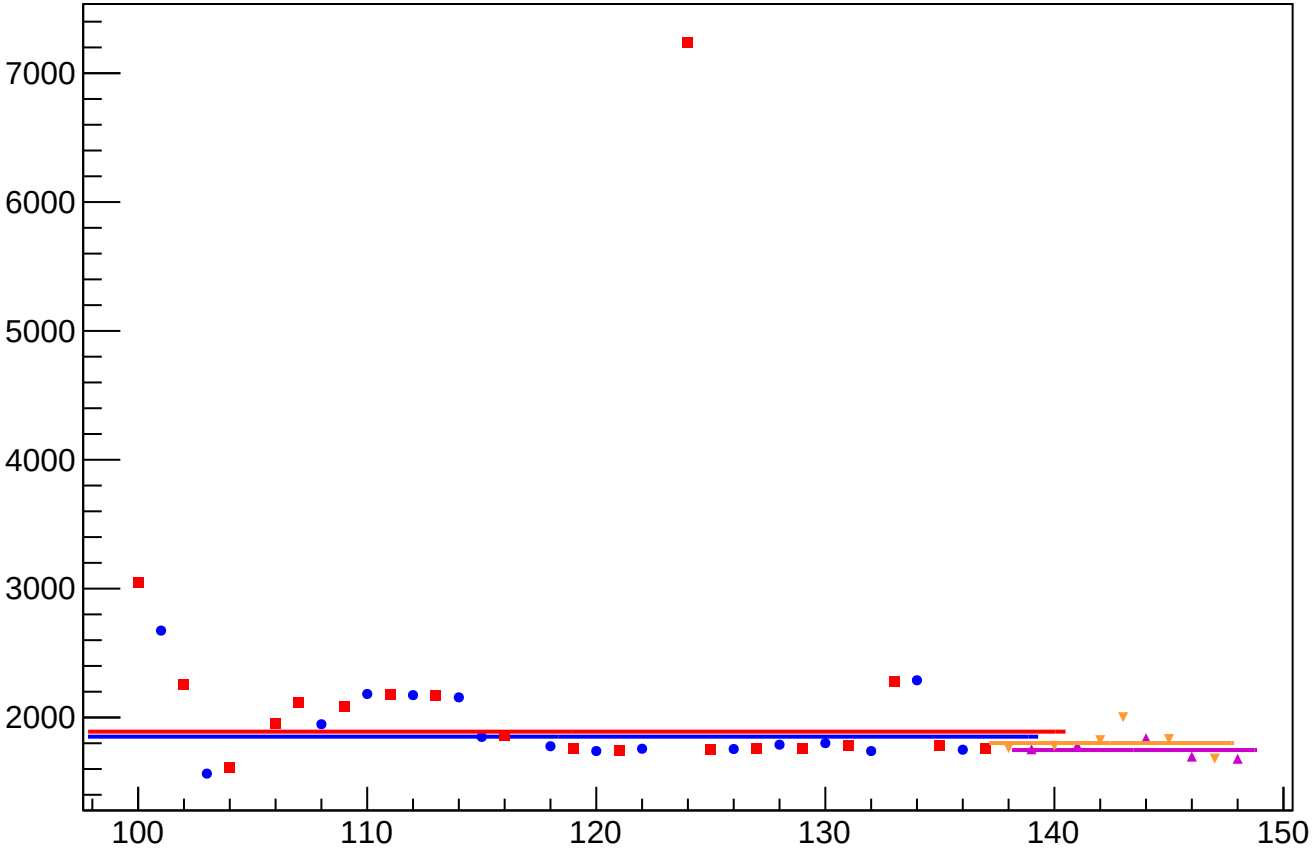
Left In: 1222.960+/-835.799 χ^2/NDF:5.9/4

+ sign -86.978+/-537.113 χ^2/NDF: 19.9/21

All: 345.296+/-380.569 χ^2/NDF: 47.7/45

- sign 781.105+/-539.305 χ^2/NDF: 26.4/23

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

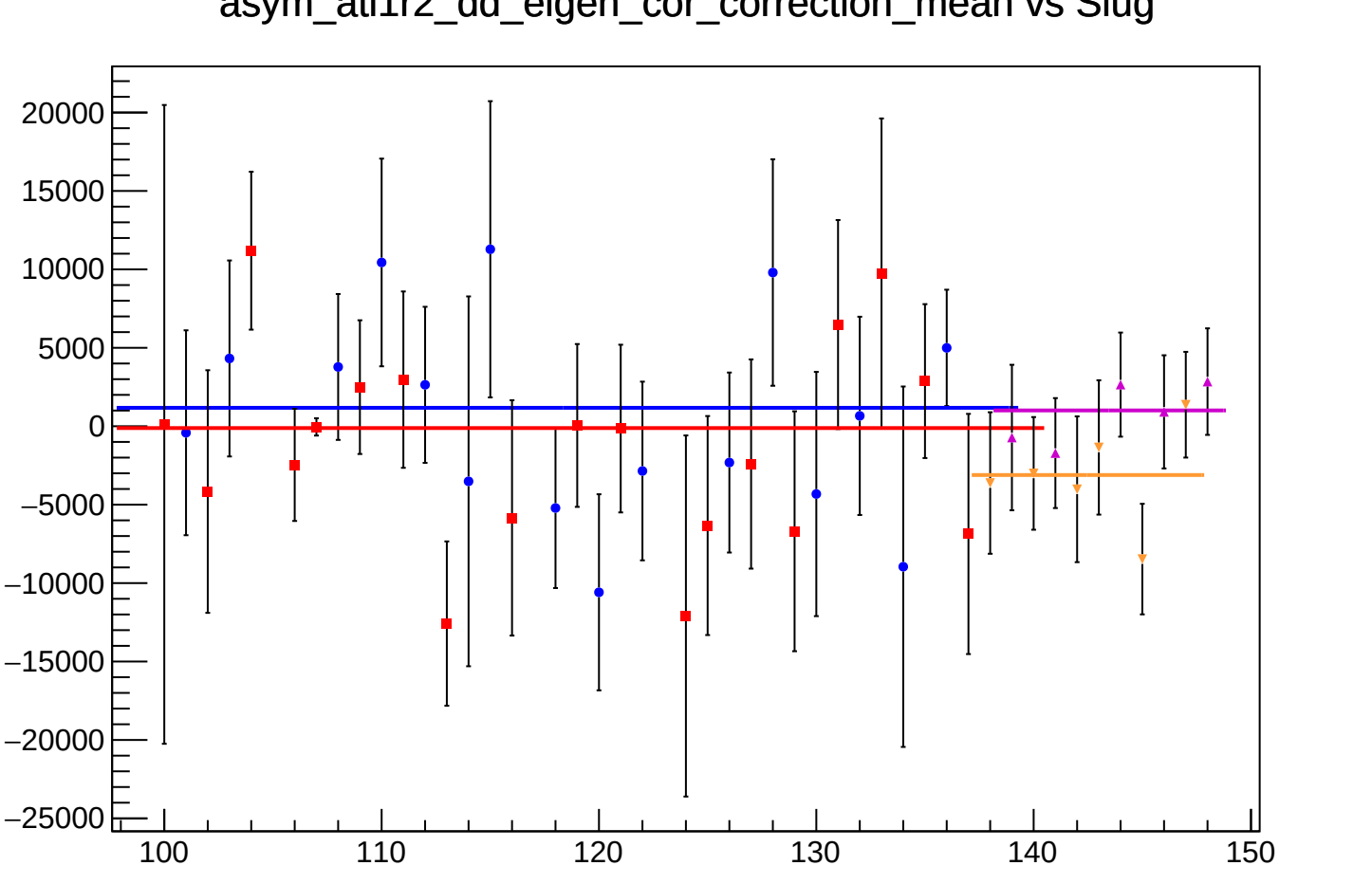
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

+ sign 1831.258+/-0.380 χ^2/NDF: 290567.7/21

All: 1830.991+/-0.269 χ^2/NDF: 693272.0/45

- sign 1830.722+/-0.381 χ^2/NDF: 402703.3/23



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

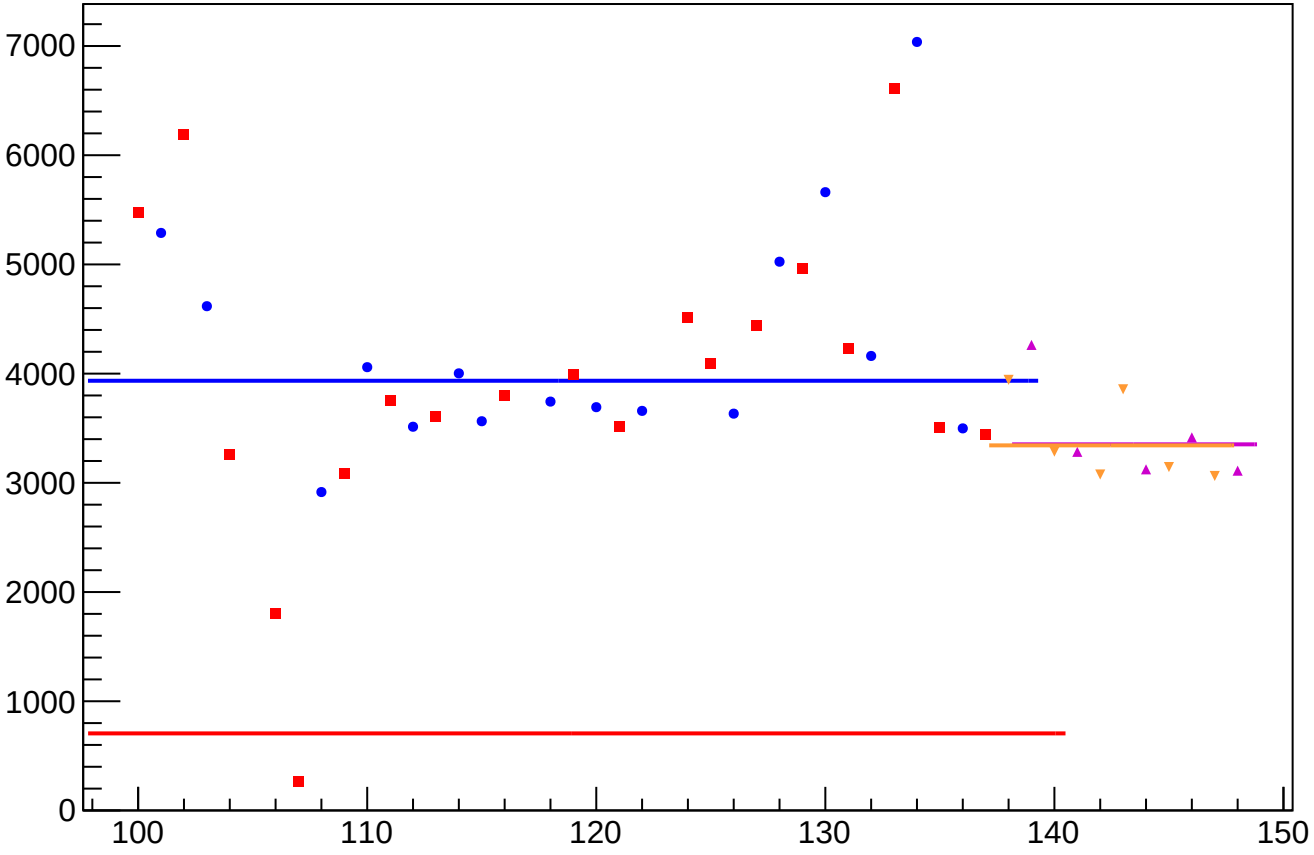
Left In: 1007.686+/-1617.383 χ^2/NDF:1.3/4

+ sign -847.149+/-1091.563 χ^2/NDF: 21.9/21

All: -152.519+/-445.792 χ^2/NDF: 42.6/45

- sign -13.470+/-488.377 χ^2/NDF: 20.3/23

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

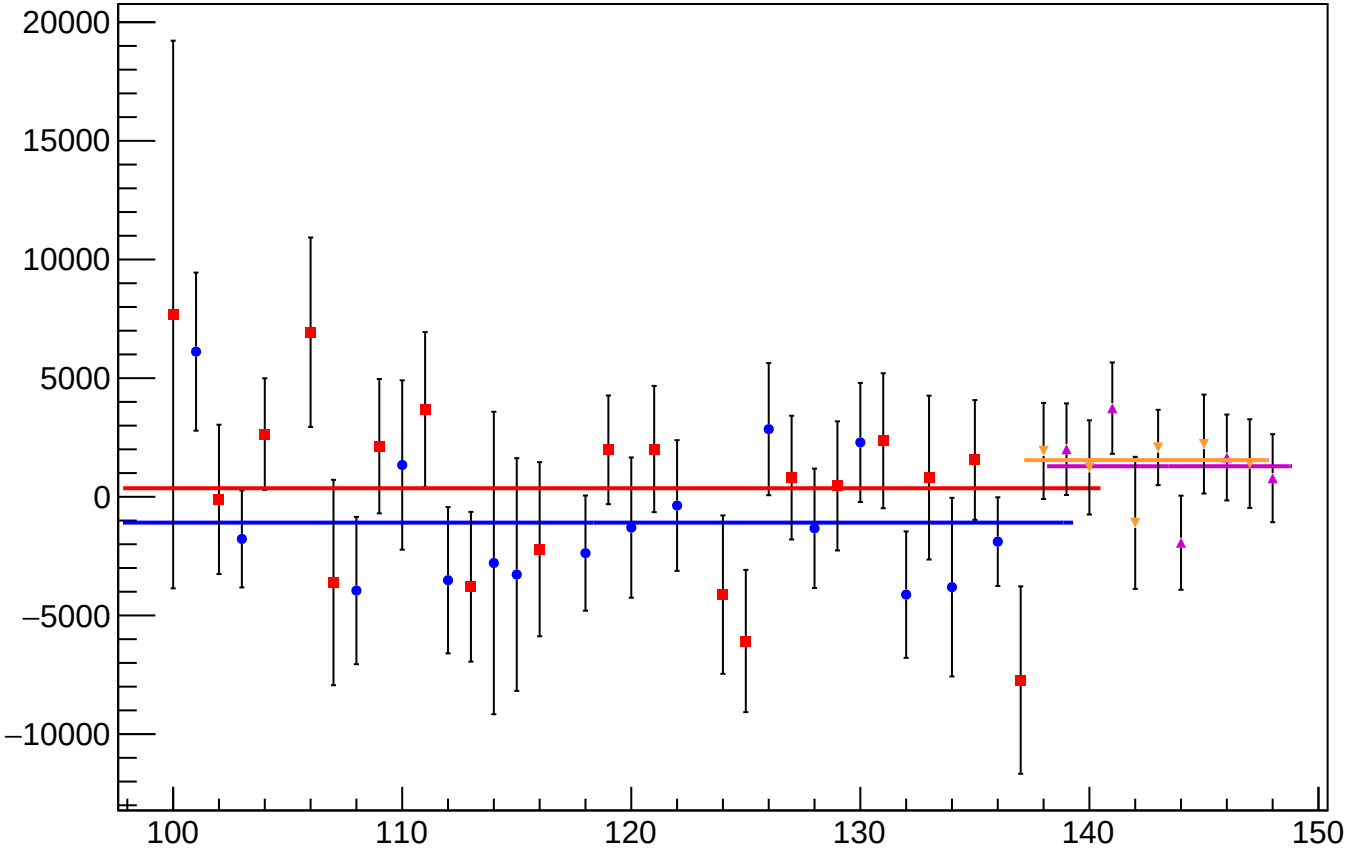
Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

+ sign 3655.501+/-0.772 χ^2/NDF: 797951.9/21

All: 1398.708+/-0.315 χ^2/NDF: 26771485.3/4

- sign 946.952+/-0.345 χ^2/NDF: 15713214.6/23

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

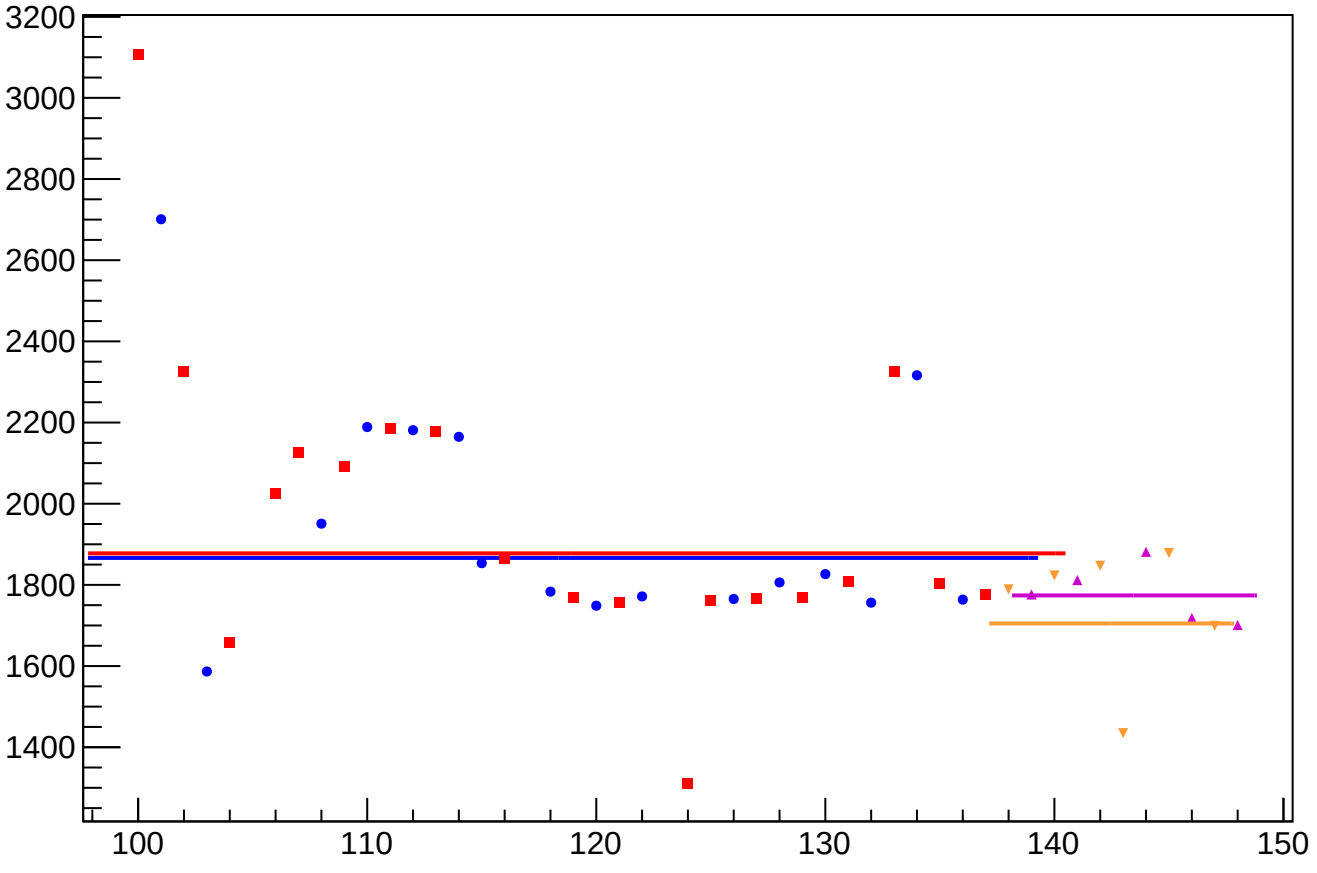
Left In: 1287.676+/-848.708 χ^2/NDF:4.5/4

+ sign 44.053+/-528.281 χ^2/NDF: 20.5/21

All: 382.565+/-377.580 χ^2/NDF: 47.3/45

- sign 736.086+/-539.865 χ^2/NDF: 26.0/23

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

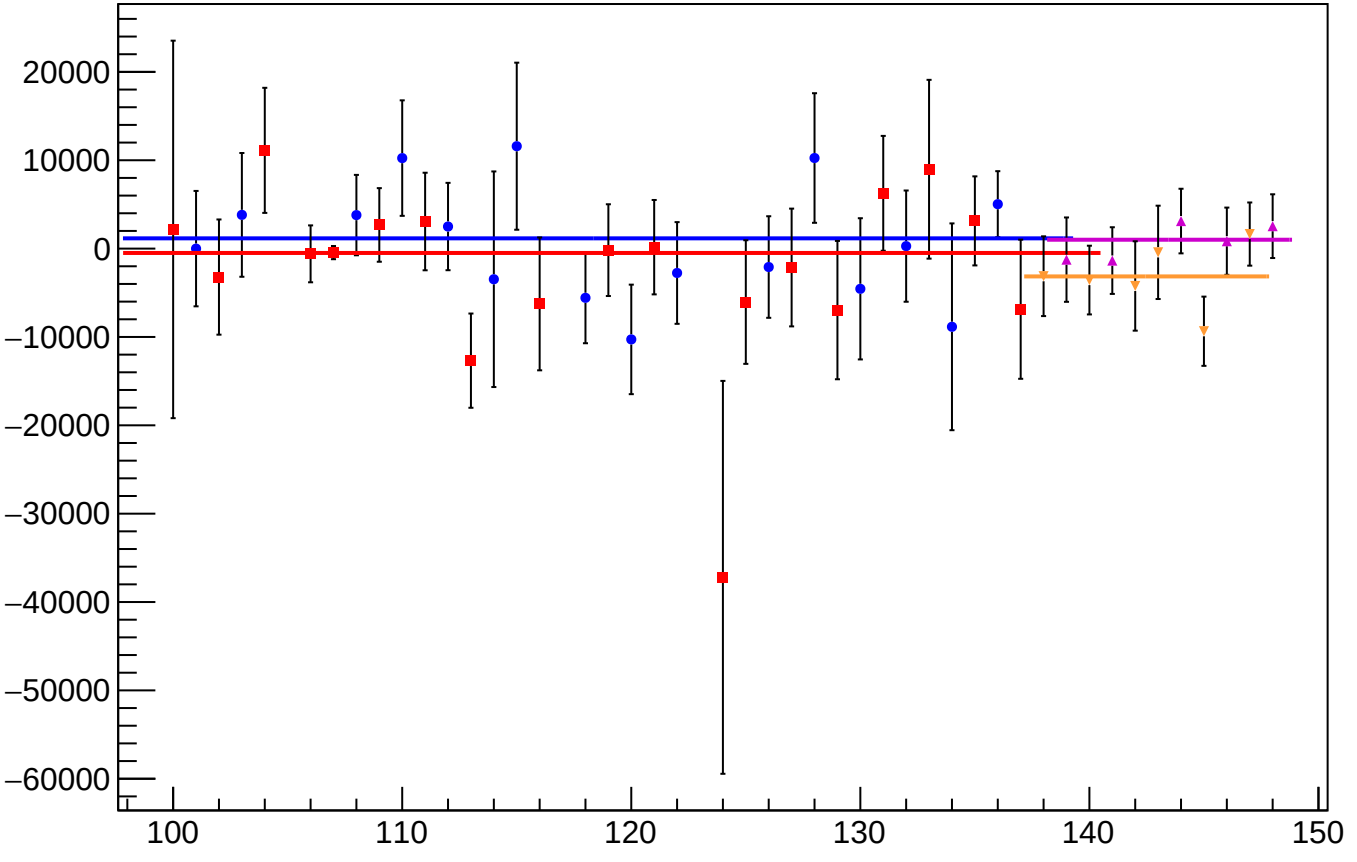
Left In: 1774.029+/-0.600 χ^2/NDF:11617.5/4

+ sign 1797.010+/-0.374 χ^2/NDF: 389733.7/21

All: 1815.979+/-0.267 χ^2/NDF: 676235.3/45

- sign 1835.769+/-0.382 χ^2/NDF: 281232.8/23

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

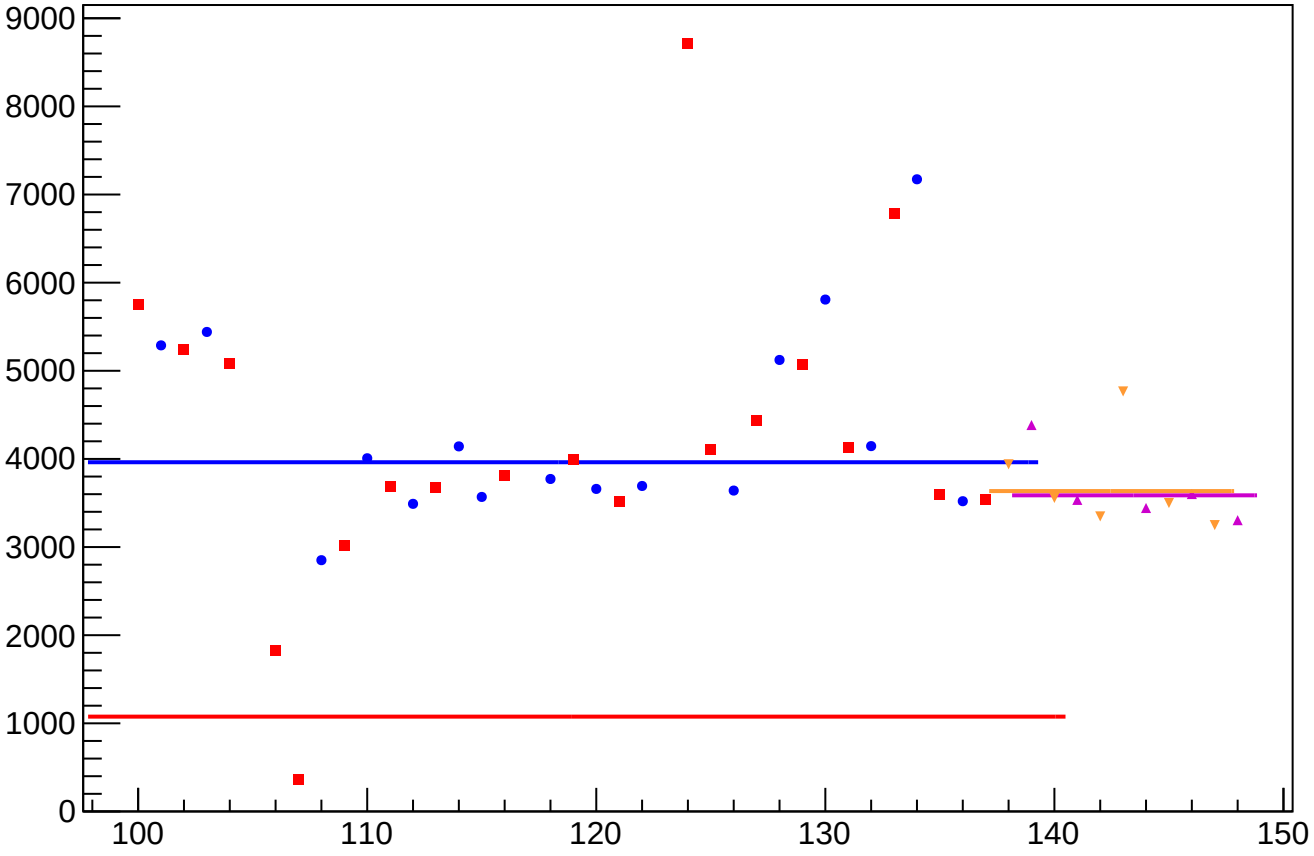
Left In: 1004.522+/-1728.058 χ^2/NDF:1.1/4

+ sign -703.533+/-1138.966 χ^2/NDF: 21.8/21

All: -393.521+/-541.386 χ^2/NDF: 40.6/45

- sign -303.032+/-615.346 χ^2/NDF: 18.7/23

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

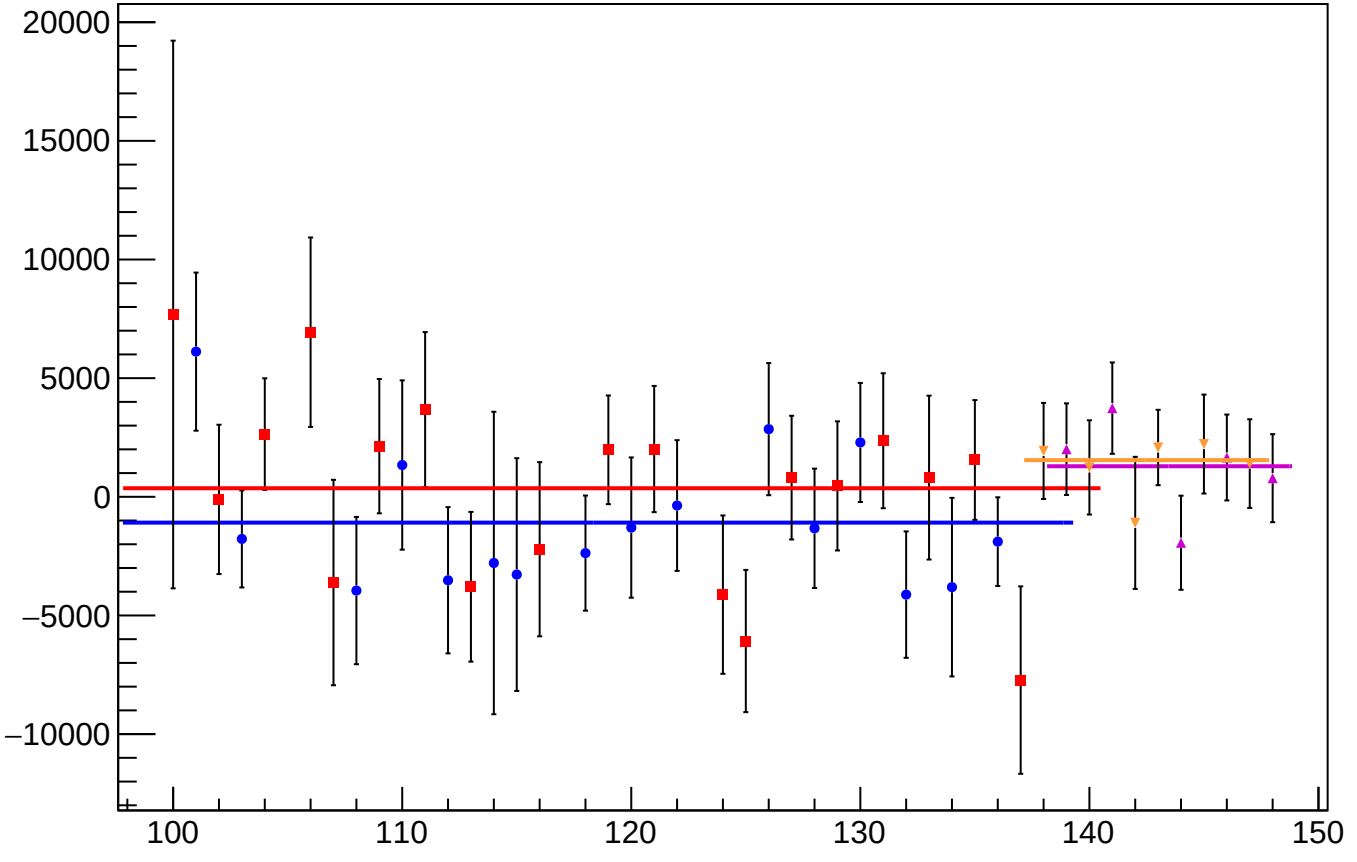
Left In: 3586.990+/-1.222 χ^2/NDF:71542.9/4

+ sign 3820.797+/-0.805 χ^2/NDF: 842516.4/21

All: 1942.587+/-0.383 χ^2/NDF: 21186156.2/4

- sign 1394.358+/-0.435 χ^2/NDF: 13317412.3/23

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

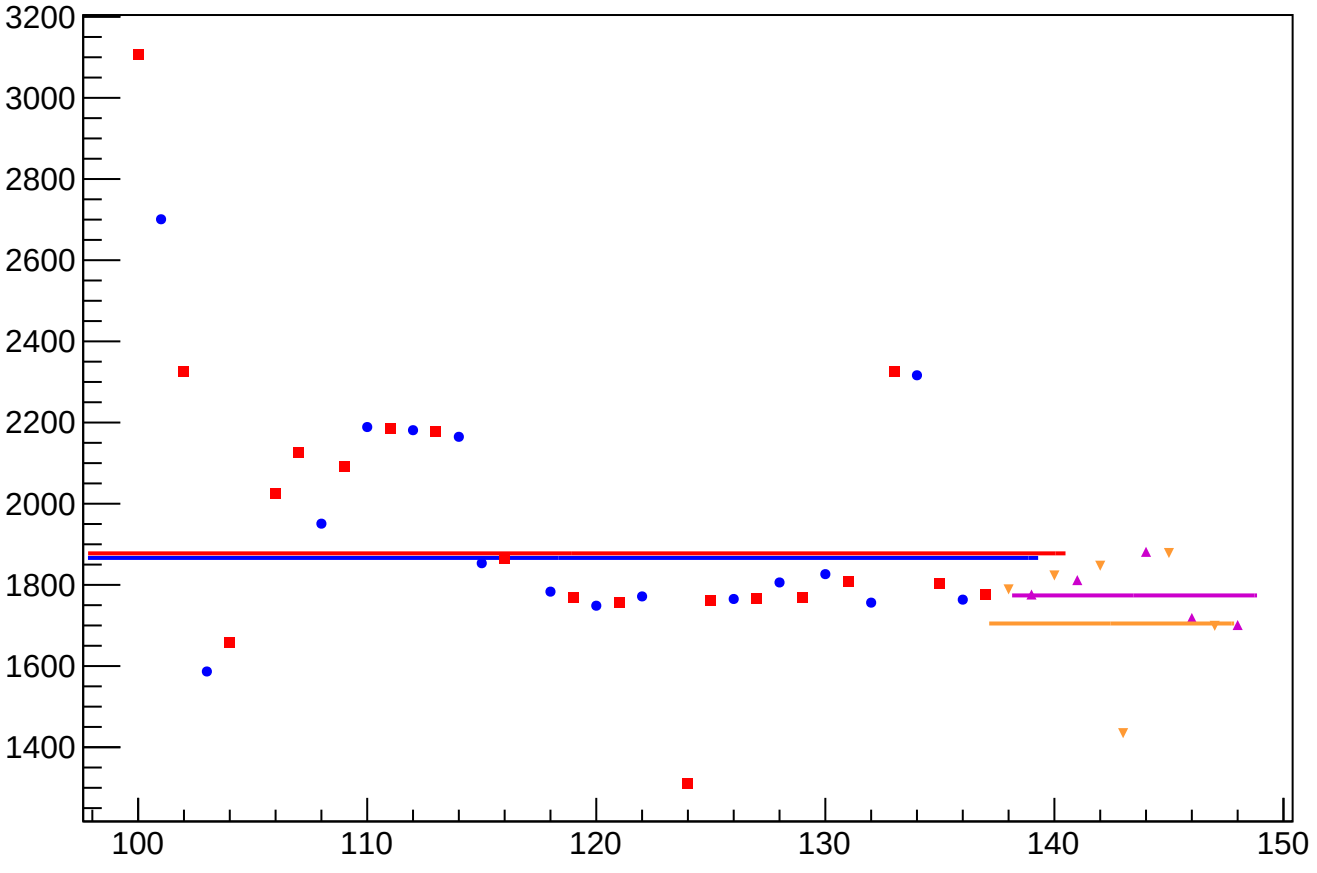
Left In: 1287.671+/-848.709 χ^2/NDF:4.5/4

+ sign 44.046+/-528.281 χ^2/NDF: 20.5/21

All: 382.563+/-377.580 χ^2/NDF: 47.3/45

- sign 736.088+/-539.865 χ^2/NDF: 26.0/23

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

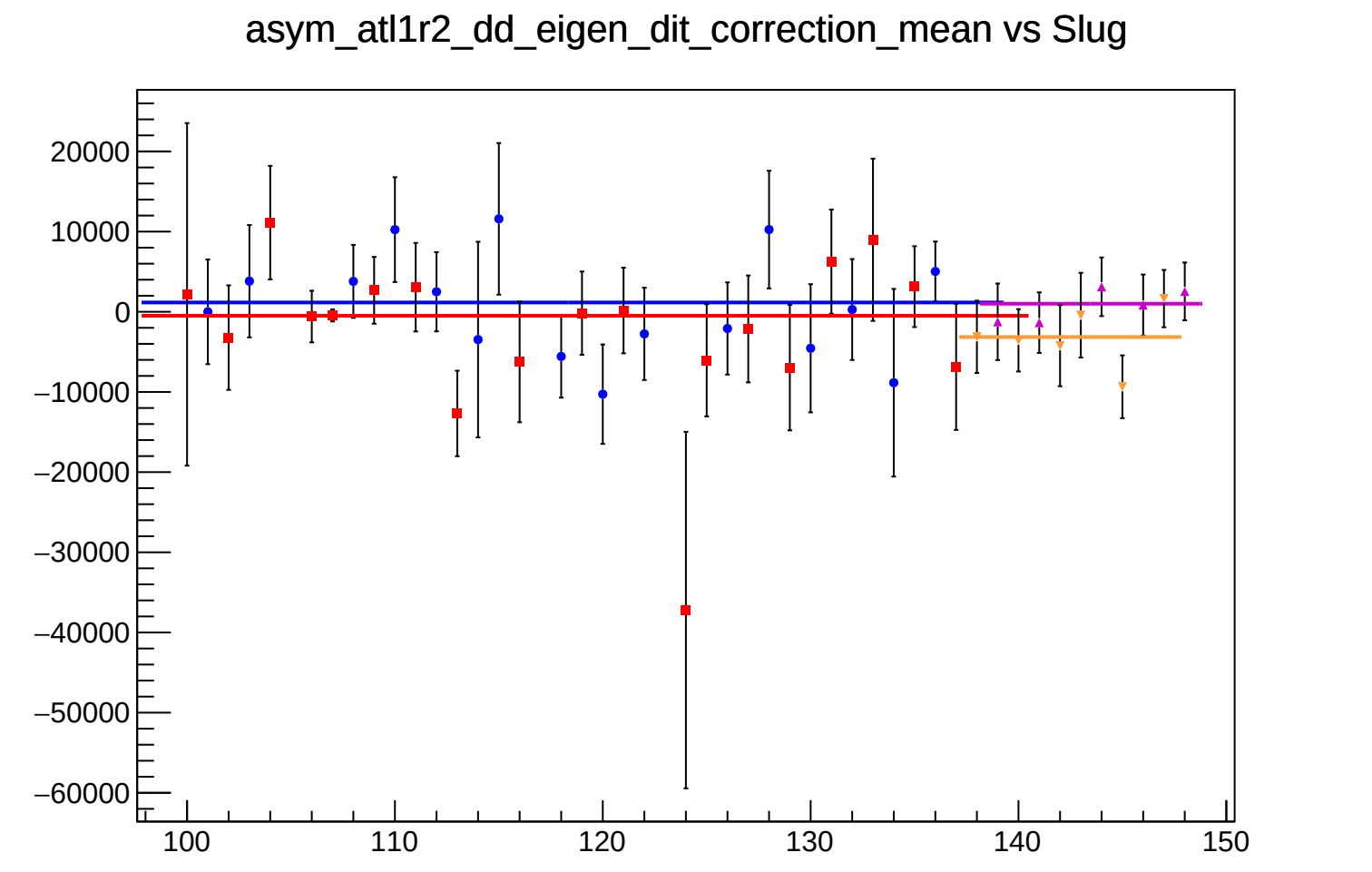
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1774.030+/-0.600 χ^2/NDF:11617.4/4

+ sign 1797.010+/-0.374 χ^2/NDF: 389732.0/21

All: 1815.979+/-0.267 χ^2/NDF: 676233.5/45

- sign 1835.769+/-0.382 χ^2/NDF: 281232.8/23



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

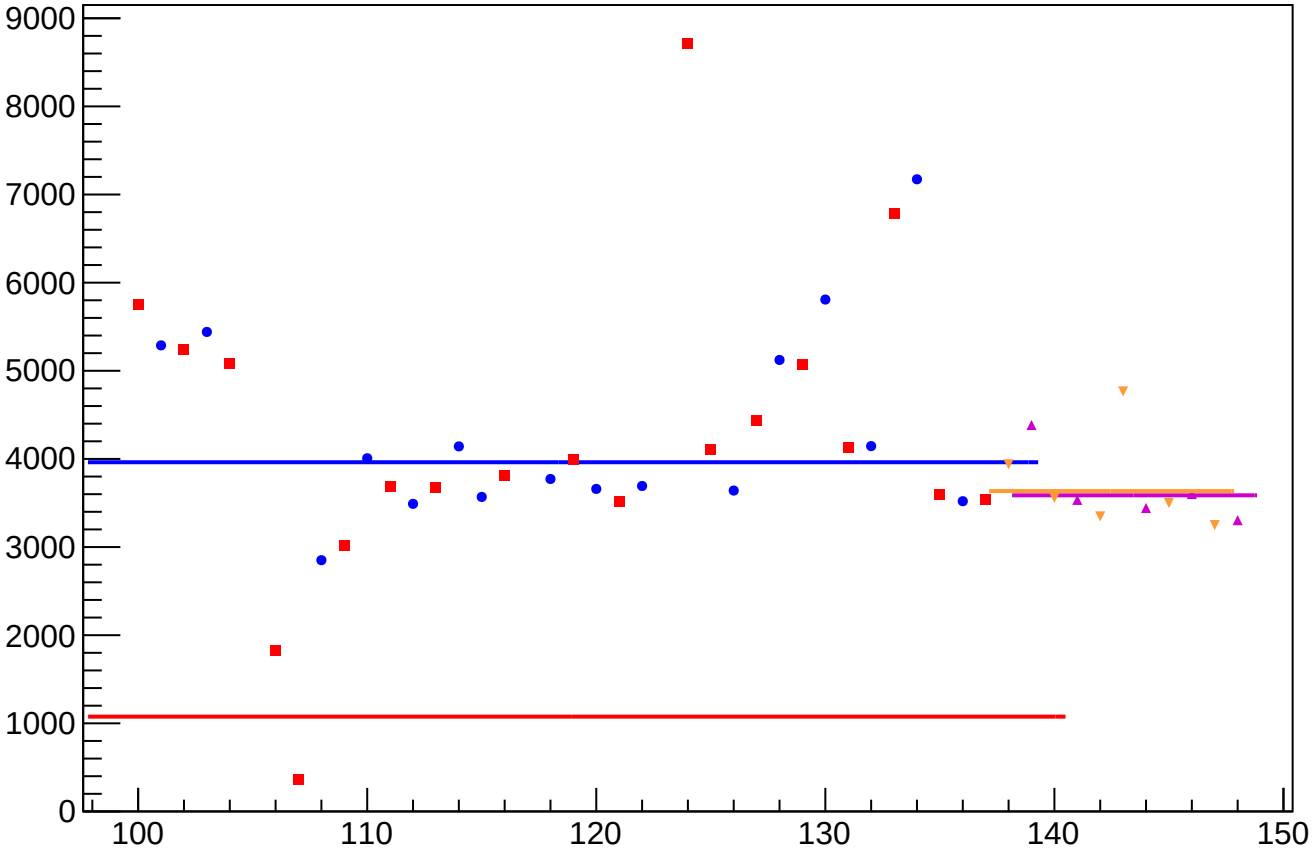
Left In: 1004.515+/-1728.060 χ^2/NDF:1.1/4

+ sign -703.541+/-1138.965 χ^2/NDF: 21.8/21

All: -393.526+/-541.392 χ^2/NDF: 40.6/45

- sign -303.034+/-615.355 χ^2/NDF: 18.7/23

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

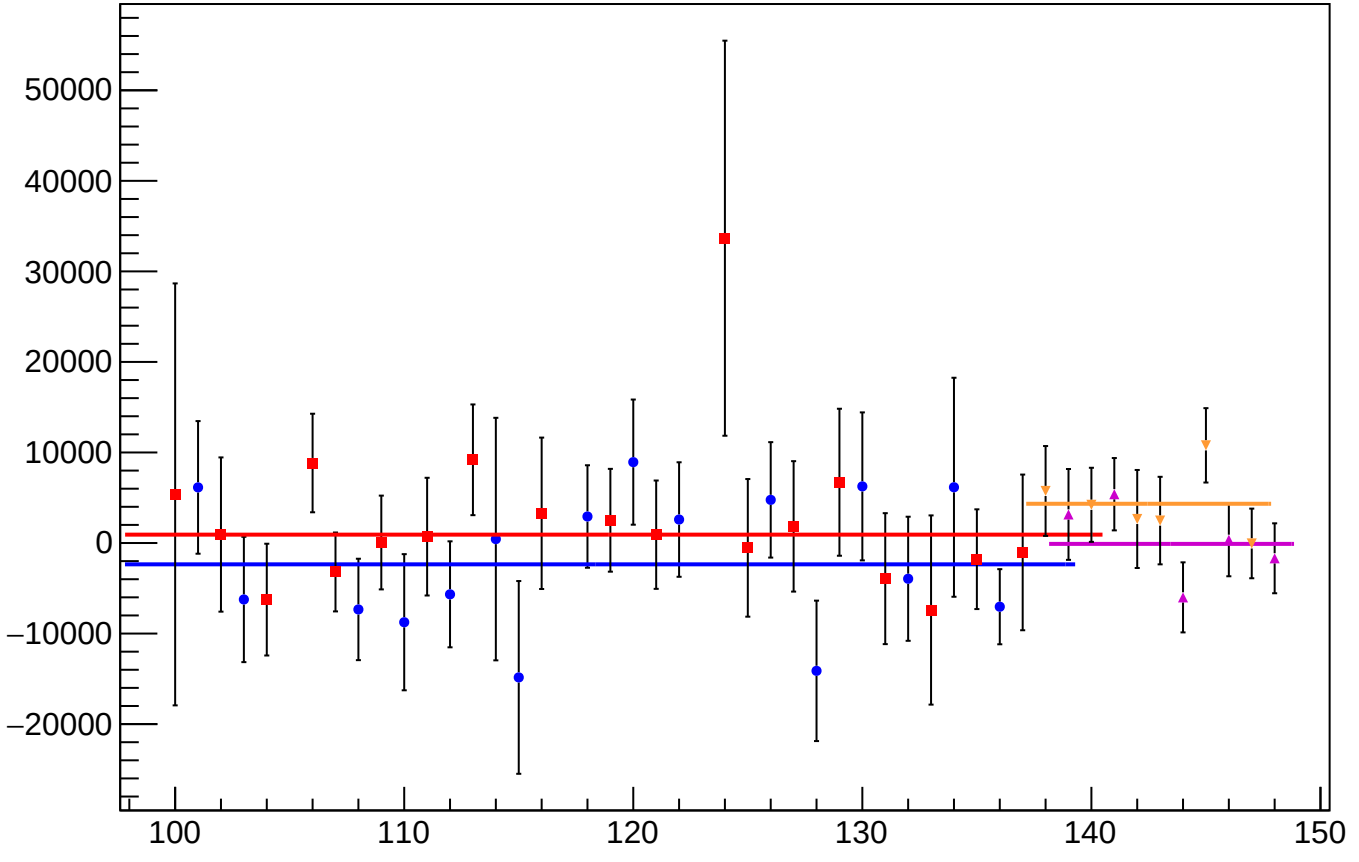
Left In: 3586.994+/-1.222 χ^2/NDF:71543.3/4

+ sign 3820.795+/-0.805 χ^2/NDF: 842509.0/21

All: 1942.627+/-0.383 χ^2/NDF: 21185662.1/4

- sign 1394.394+/-0.435 χ^2/NDF: 13317182.5/23

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

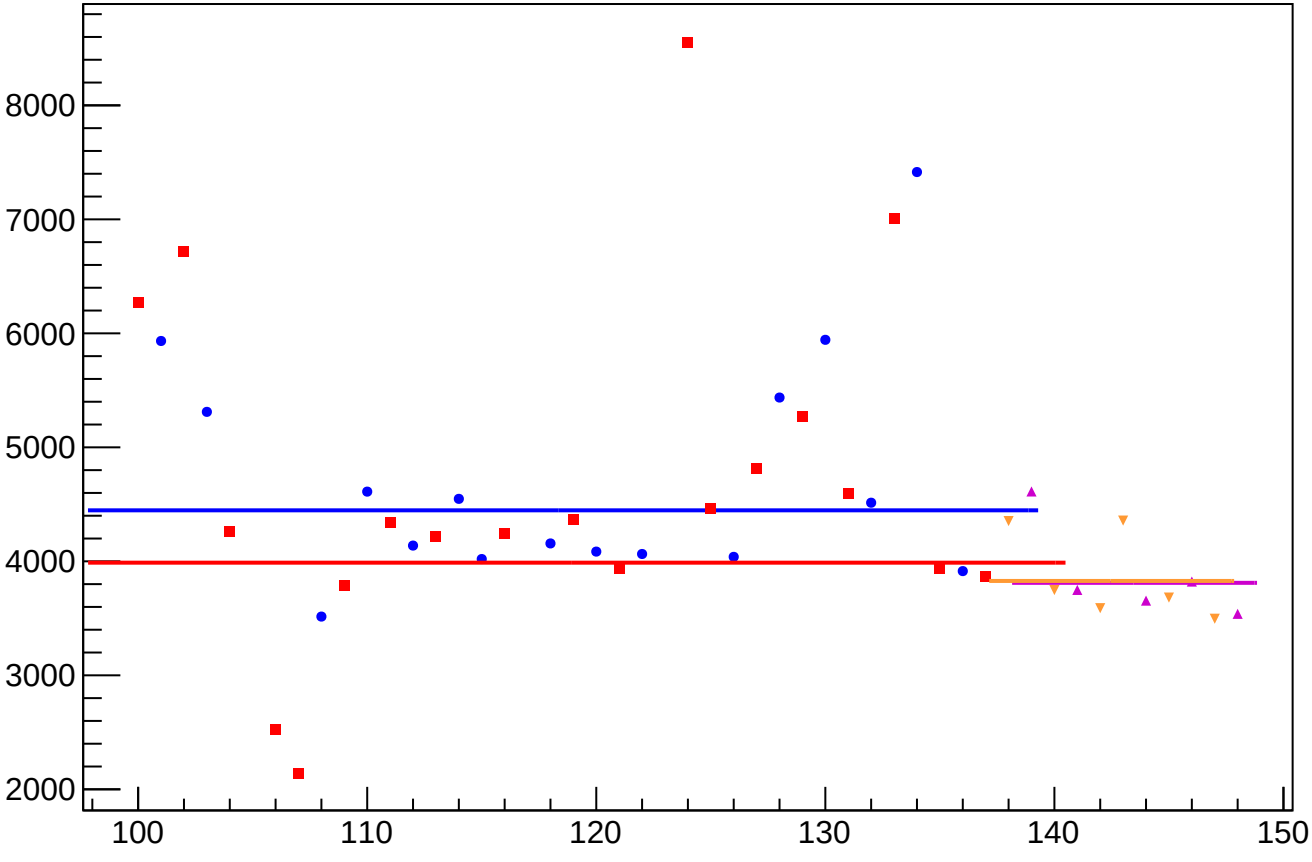
Left In: -97.078+/-1832.560 χ^2/NDF:4.8/4

\+ sign 744.579+/-1234.214 χ^2/NDF: 26.9/21

All: 616.849+/-853.686 χ^2/NDF: 42.6/45

\- sign 499.686+/-1182.062 χ^2/NDF: 15.6/23

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

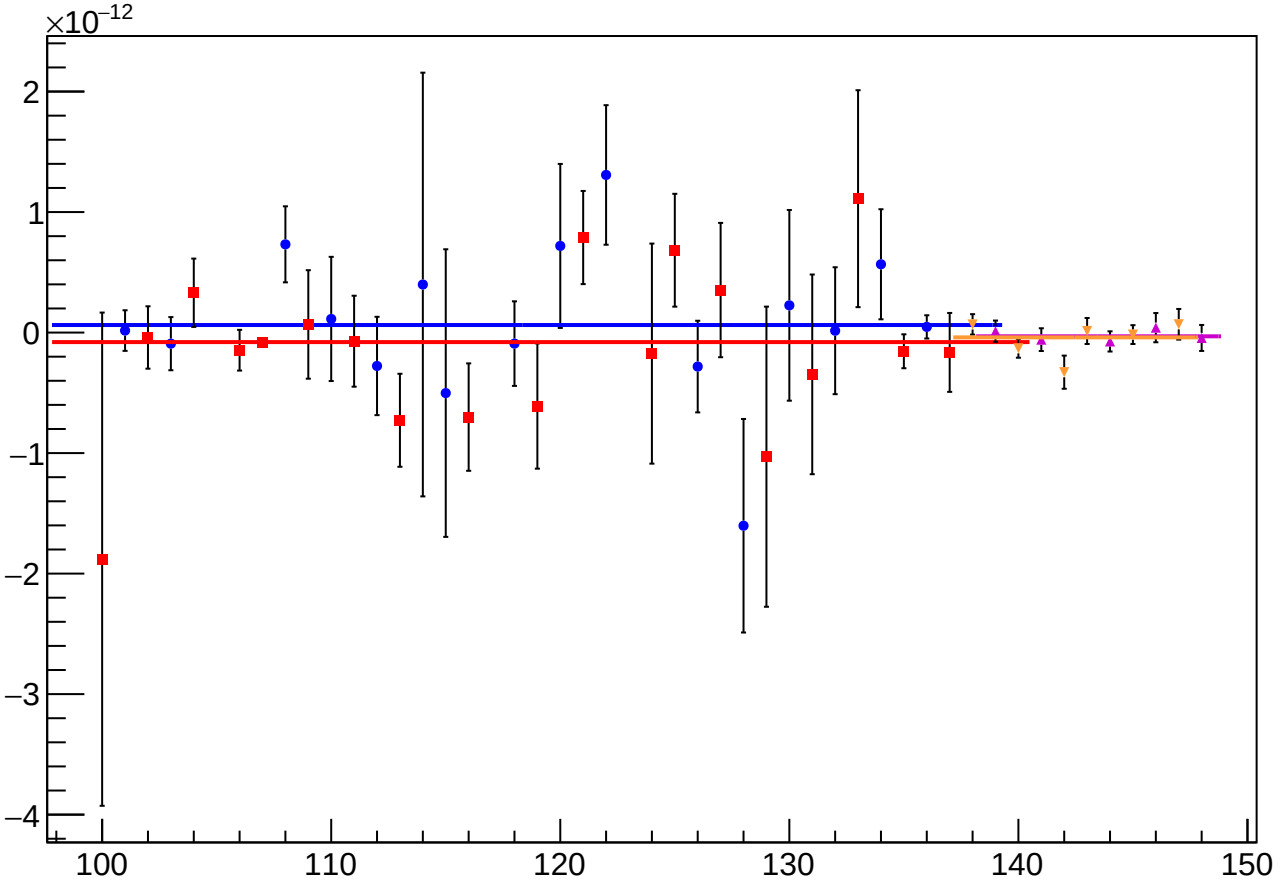
Left In: 3811.353+/-1.296 χ^2/NDF:64708.0/4

+ sign 4160.370+/-0.873 χ^2/NDF: 652000.8/21

All: 4031.940+/-0.602 χ^2/NDF: 1912903.5/45

- sign 3915.503+/-0.831 χ^2/NDF: 1219612.5/23

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

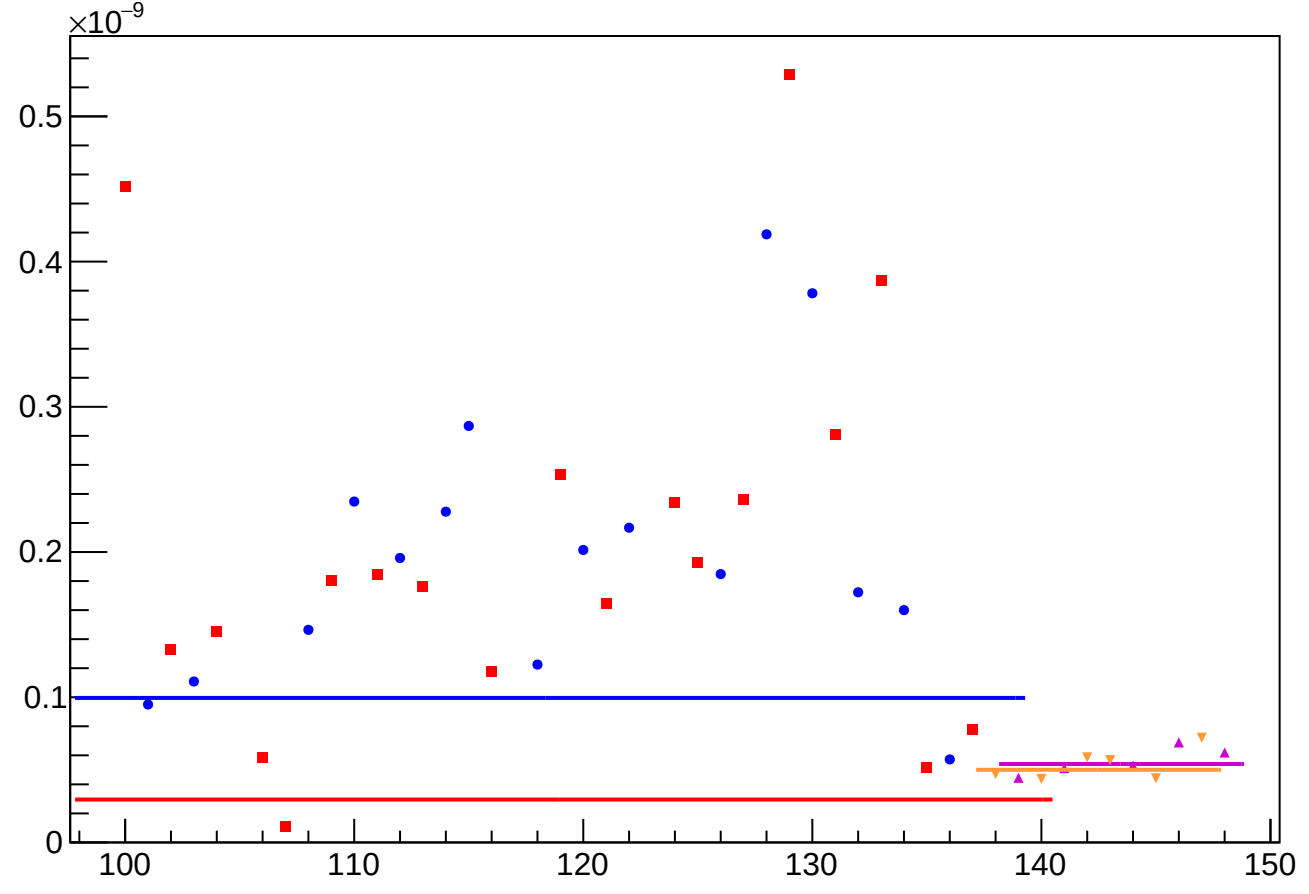
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/21

All: -0.000+/-0.000 χ^2/NDF: 50.5/45

- sign -0.000+/-0.000 χ^2/NDF: 21.8/23



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

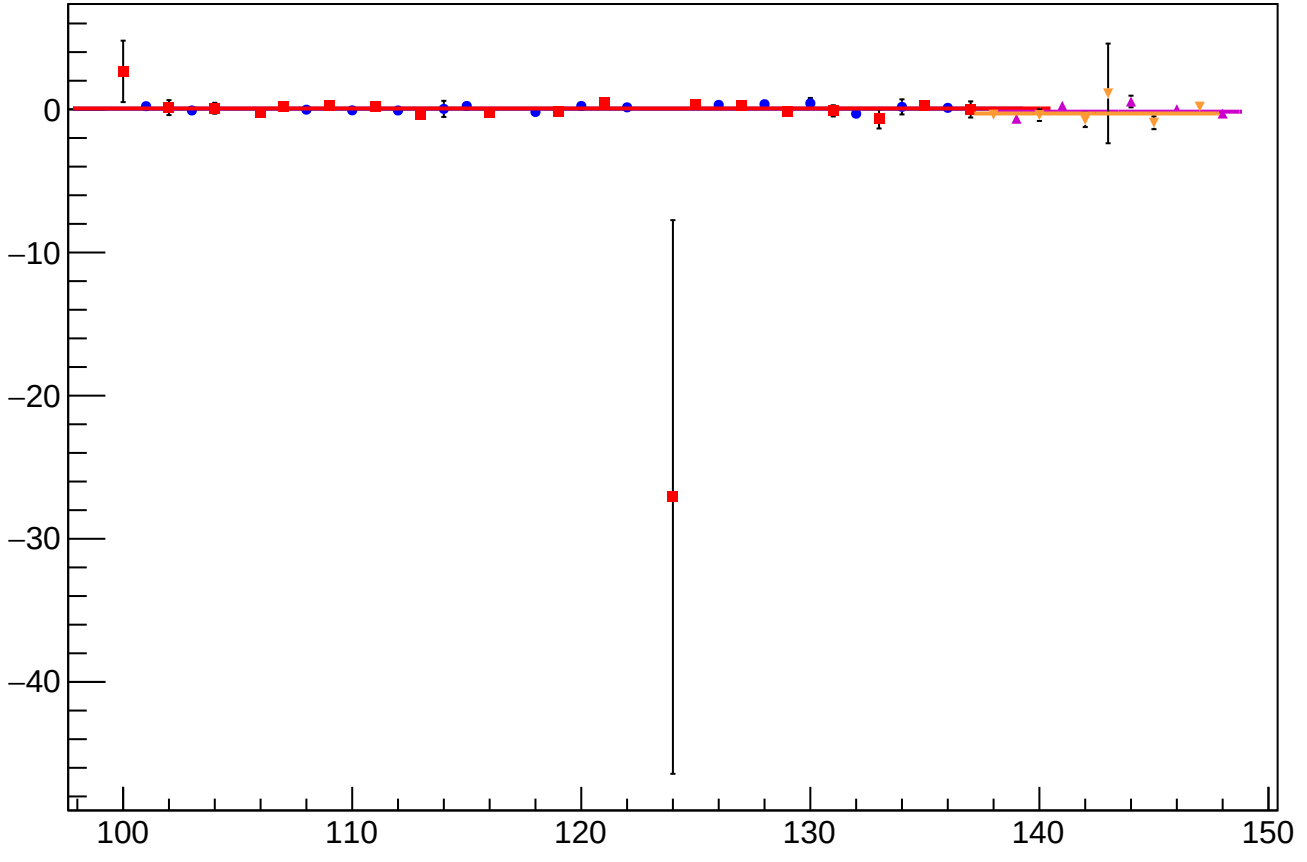
Left In: 0.000+/-0.000 χ^2/NDF:66020.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2462708.4/21

All: 0.000+/-0.000 χ^2/NDF: 7898484.2/45

- sign 0.000+/-0.000 χ^2/NDF: 4833209.8/23

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

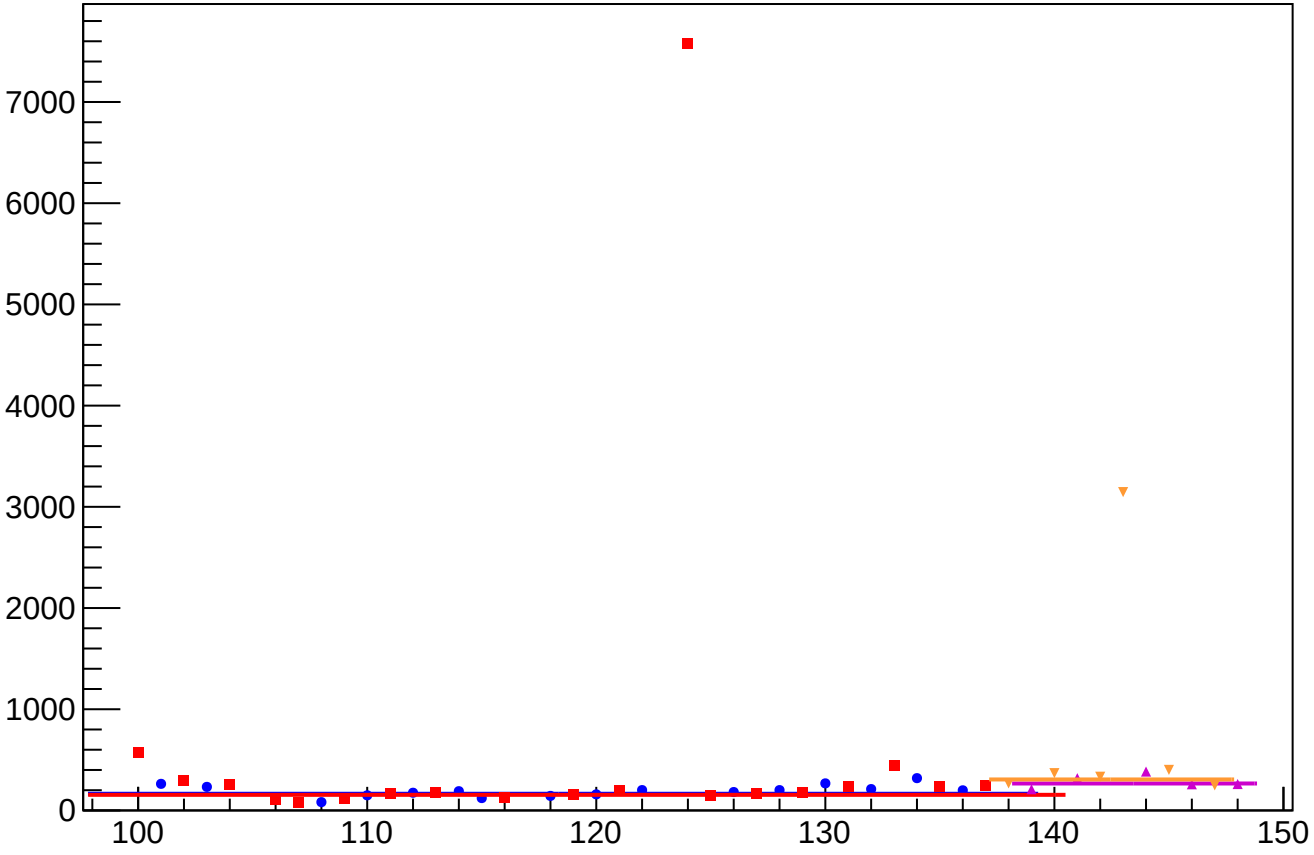
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.009+/-0.042 χ^2/NDF: 47.5/45

- sign 0.018+/-0.058 χ^2/NDF: 30.0/23

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

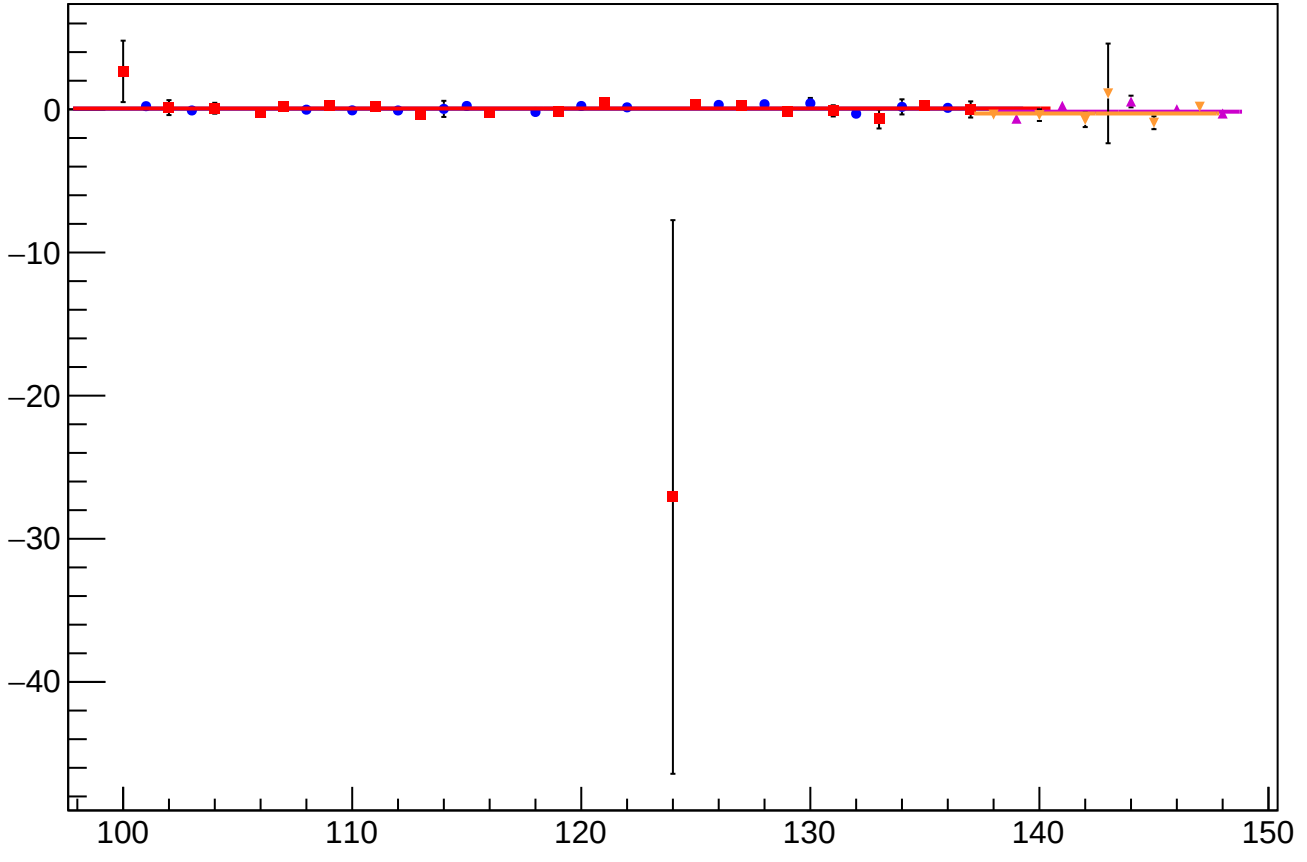
Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

+ sign 185.491+/-0.043 χ^2/NDF: 4392072.8/21

All: 180.438+/-0.030 χ^2/NDF: 7834357.9/45

- sign 175.945+/-0.041 χ^2/NDF: 3416677.6/23

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

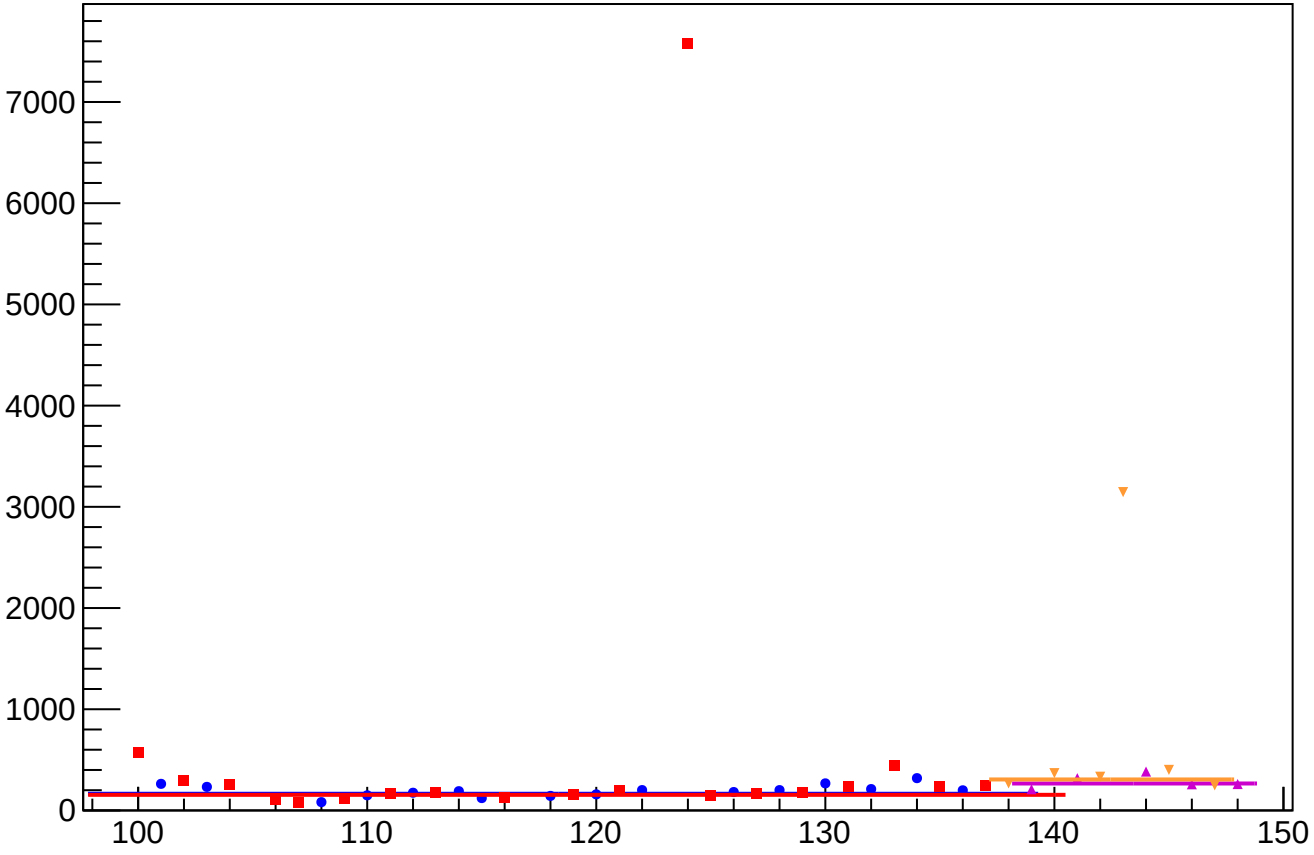
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.009+/-0.042 χ^2/NDF: 47.5/45

- sign 0.018+/-0.058 χ^2/NDF: 30.0/23

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

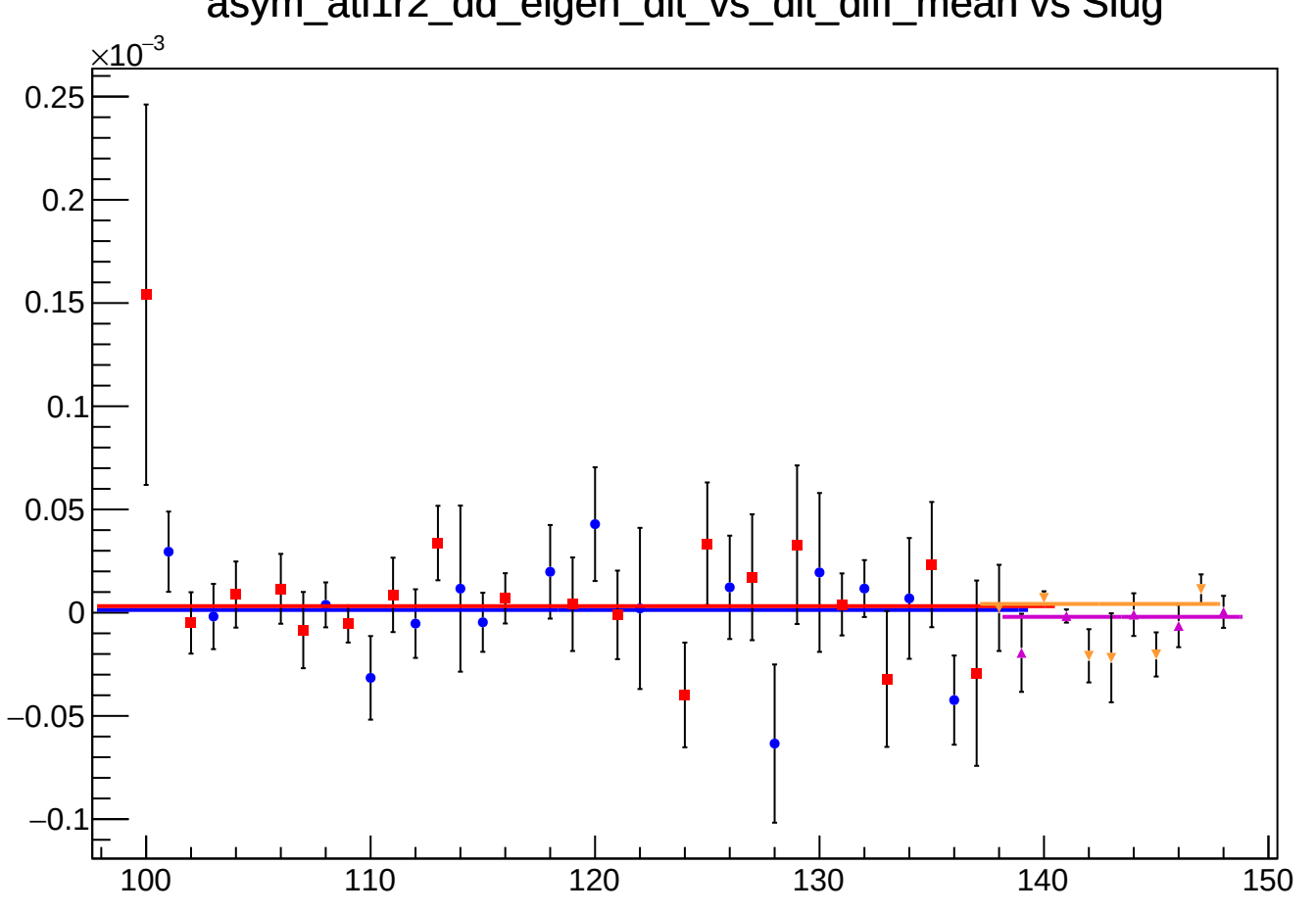
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

+ sign 185.491+/-0.043 χ^2/NDF: 4392072.8/21

All: 180.438+/-0.030 χ^2/NDF: 7834357.9/45

- sign 175.945+/-0.041 χ^2/NDF: 3416677.6/23



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

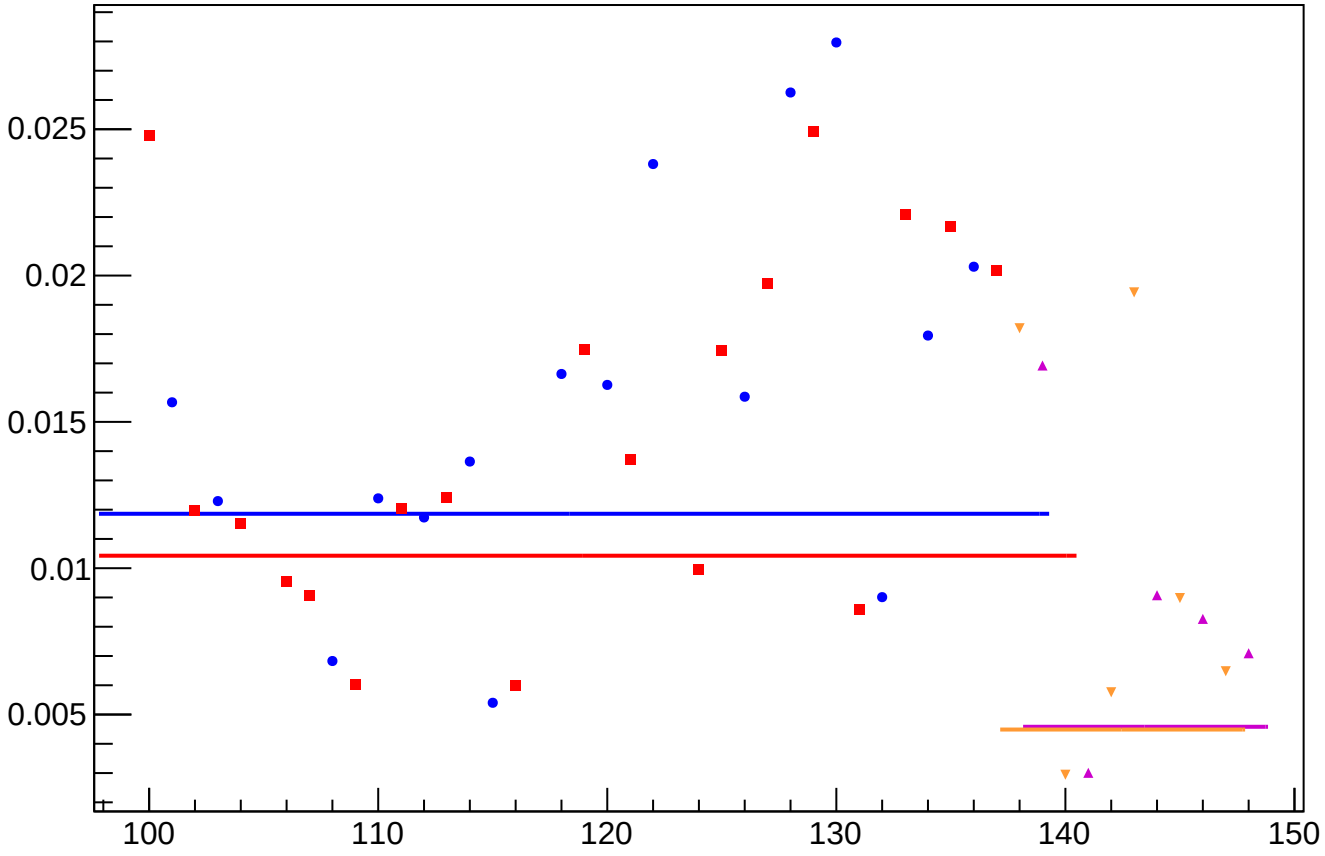
Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/21

All: 0.000+/-0.000 χ^2/NDF: 47.1/45

- sign -0.000+/-0.000 χ^2/NDF: 16.8/23

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2813472.0/5

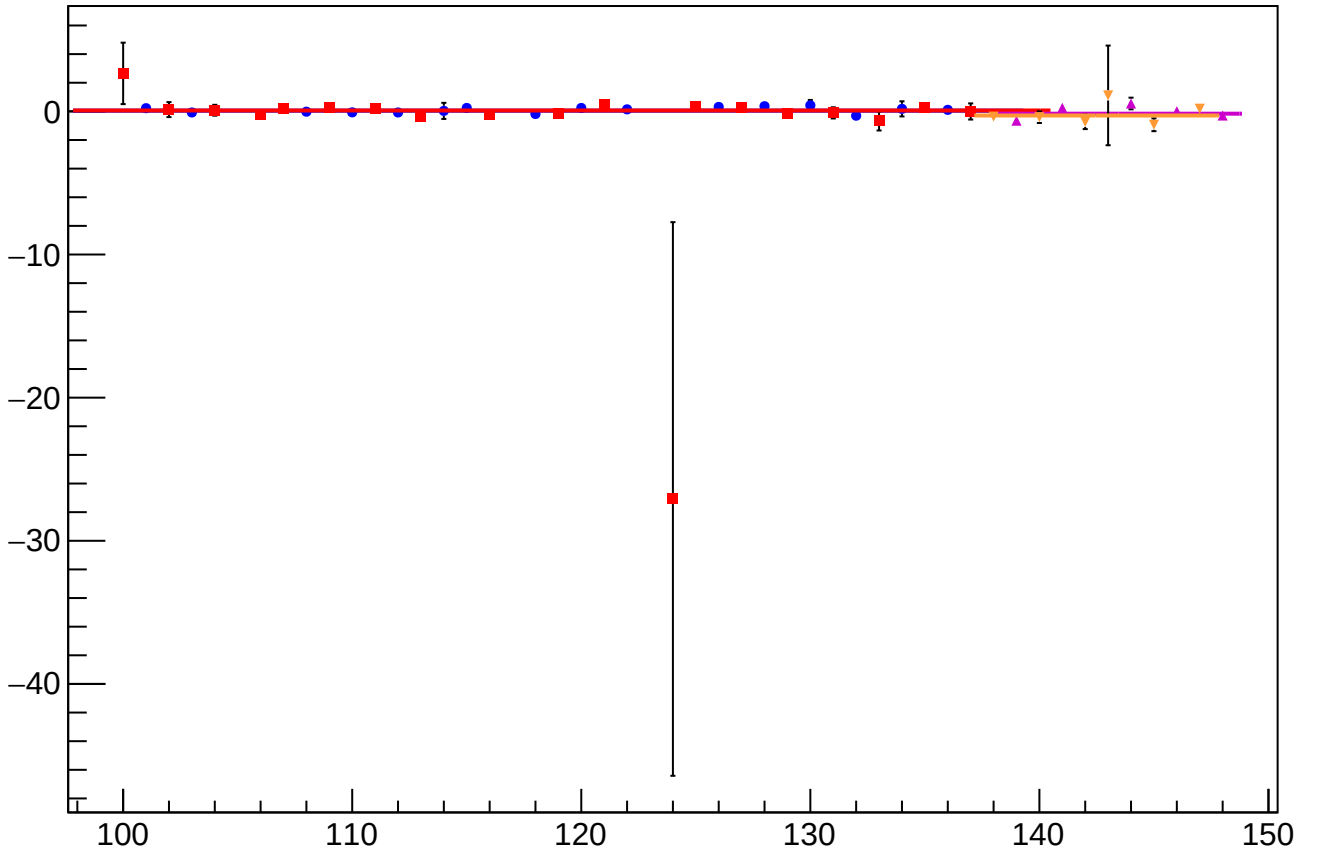
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2178126.0/4

+ sign 0.006+/-0.000 χ^2/NDF: 8714520.5/21

All: 0.006+/-0.000 χ^2/NDF: 15945741.6/45

- sign 0.006+/-0.000 χ^2/NDF: 7230731.7/23



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

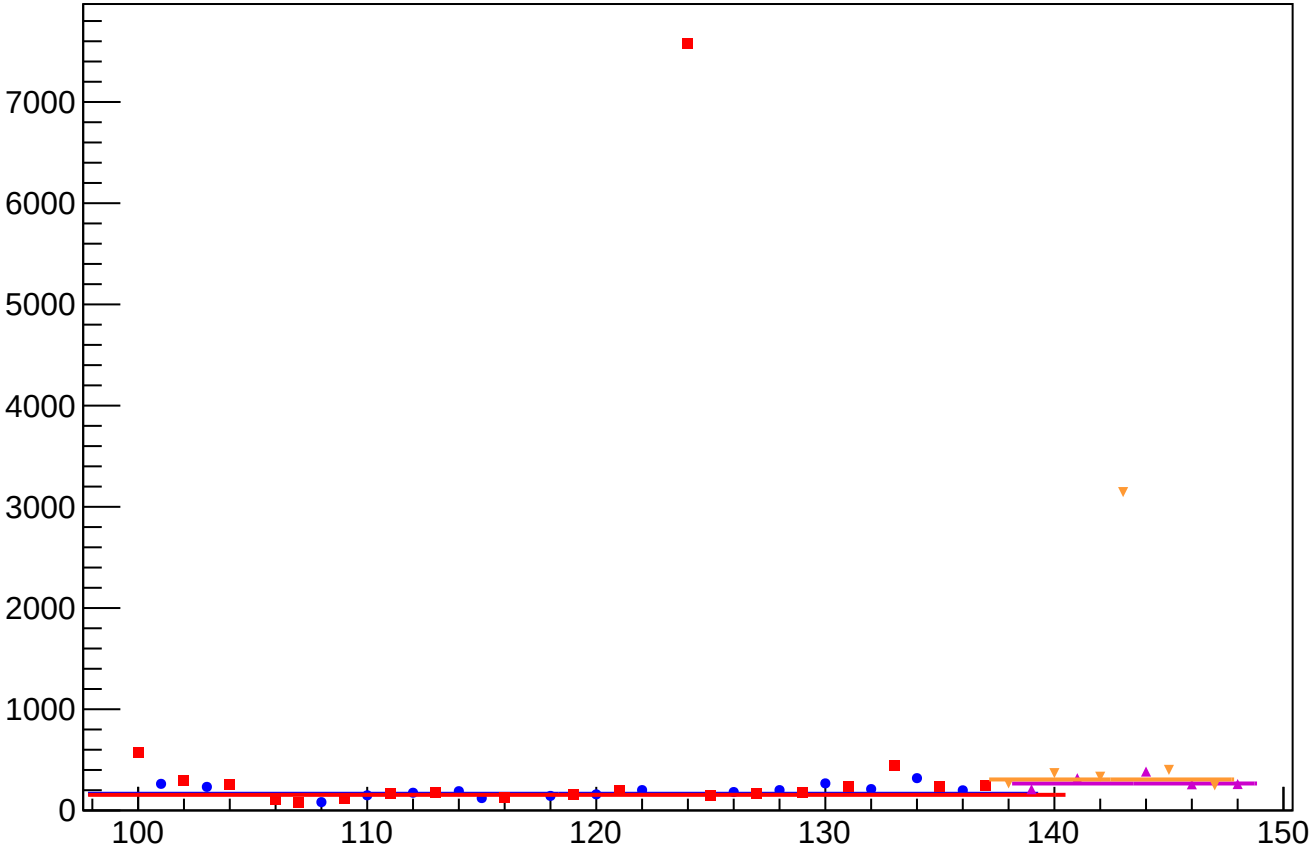
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.009+/-0.042 χ^2/NDF: 47.5/45

- sign 0.018+/-0.058 χ^2/NDF: 30.0/23

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

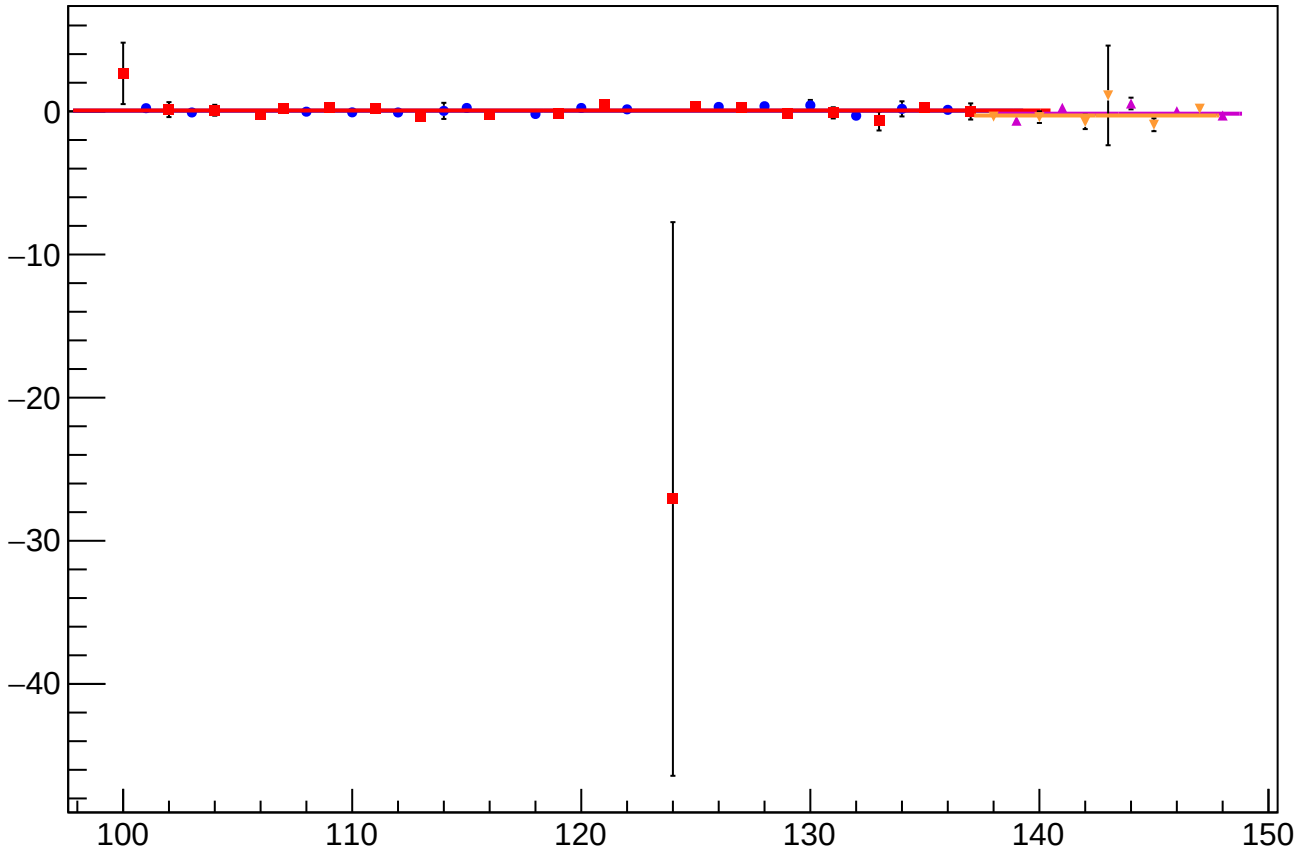
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

+ sign 185.491+/-0.043 χ^2/NDF: 4392085.2/21

All: 180.438+/-0.030 χ^2/NDF: 7834437.1/45

- sign 175.945+/-0.041 χ^2/NDF: 3416744.8/23



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

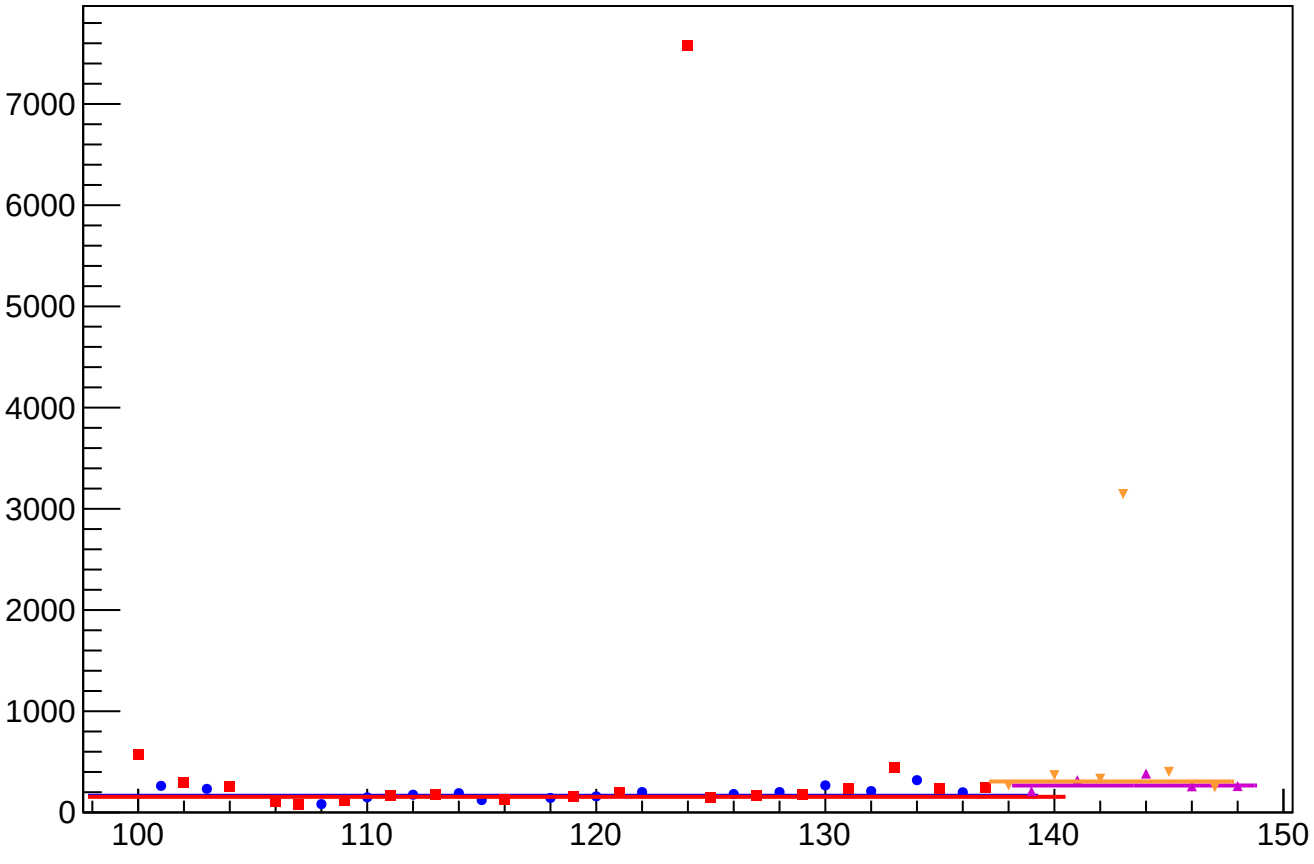
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.001+/-0.061 χ^2/NDF: 17.5/21

All: 0.009+/-0.042 χ^2/NDF: 47.5/45

- sign 0.018+/-0.058 χ^2/NDF: 30.0/23



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 306.254+/-0.114 χ^2/NDF:1594550.7/5

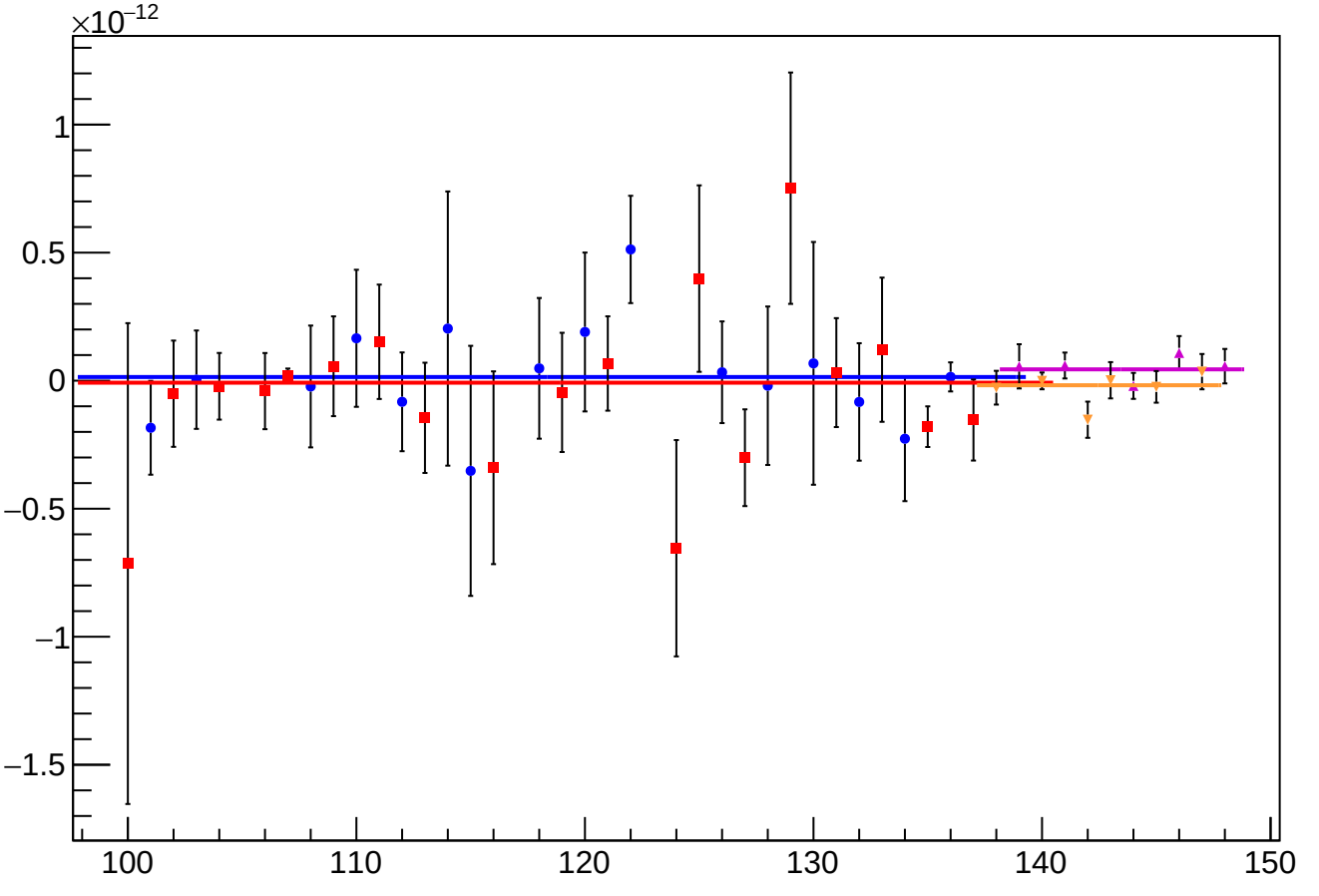
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

+ sign 185.491+/-0.043 χ^2/NDF: 4392085.2/21

All: 180.438+/-0.030 χ^2/NDF: 7834437.1/45

- sign 175.945+/-0.041 χ^2/NDF: 3416744.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

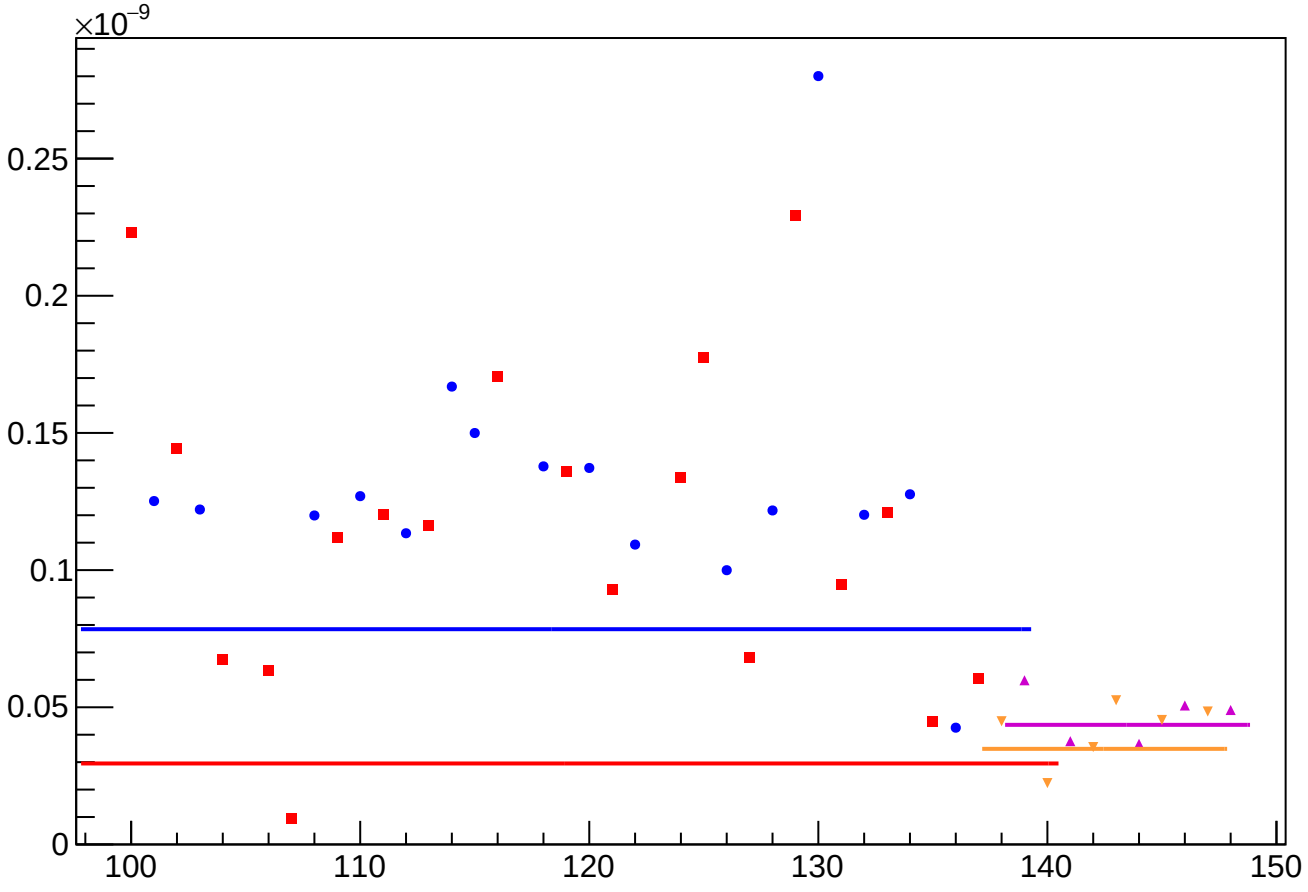
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/21

All: 0.000+/-0.000 χ^2/NDF: 38.8/45

- sign 0.000+/-0.000 χ^2/NDF: 23.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:597144.1/5

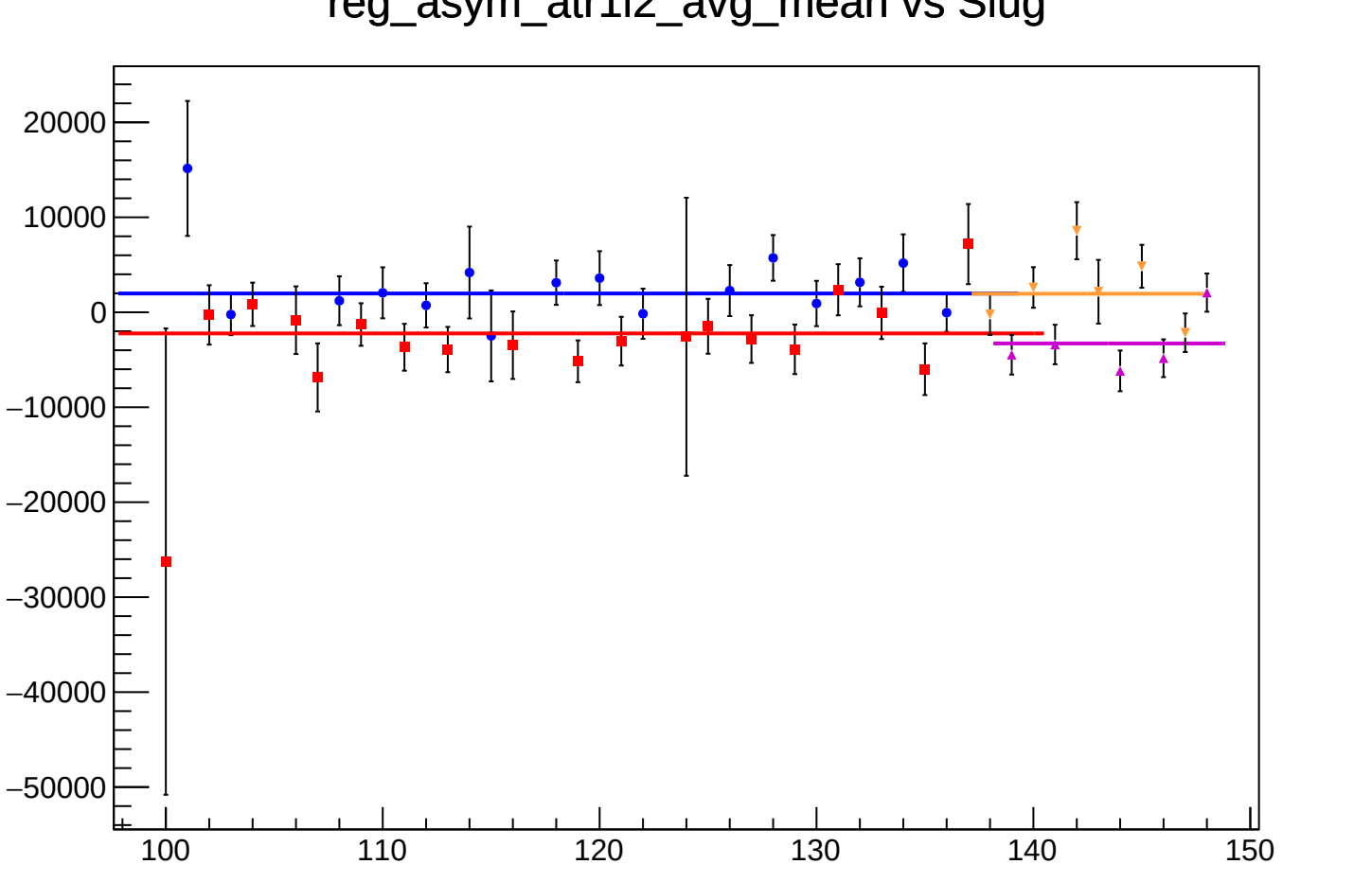
Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:171630.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4360754.1/21

All: 0.000+/-0.000 χ^2/NDF: 10559250.8/45

- sign 0.000+/-0.000 χ^2/NDF: 5973930.2/23



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

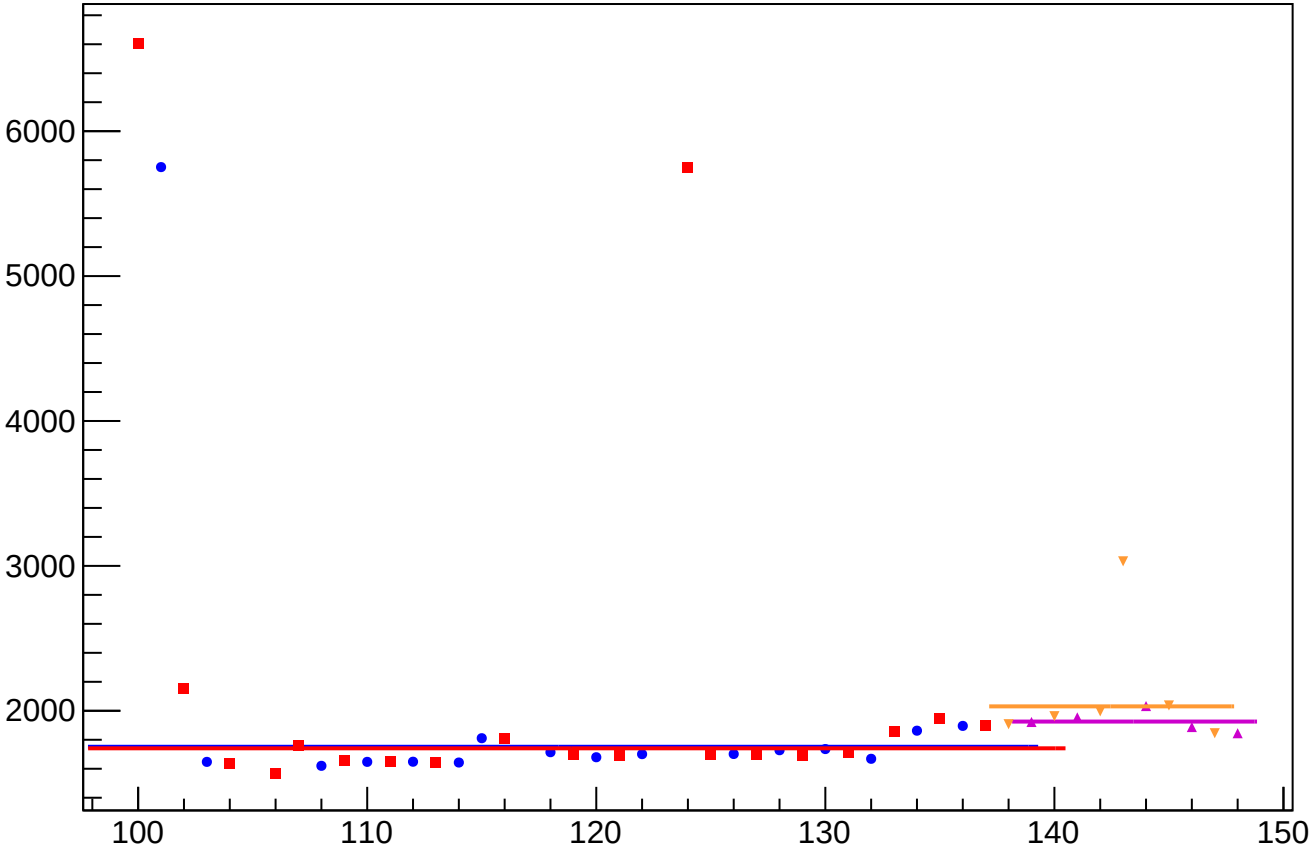
Left In: -3281.514+/-921.230 χ^2/NDF:9.8/4

+ sign 1967.909+/-549.257 χ^2/NDF: 23.8/21

All: -368.636+/-383.066 χ^2/NDF: 88.8/45

- sign -2581.460+/-534.518 χ^2/NDF: 29.7/23

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

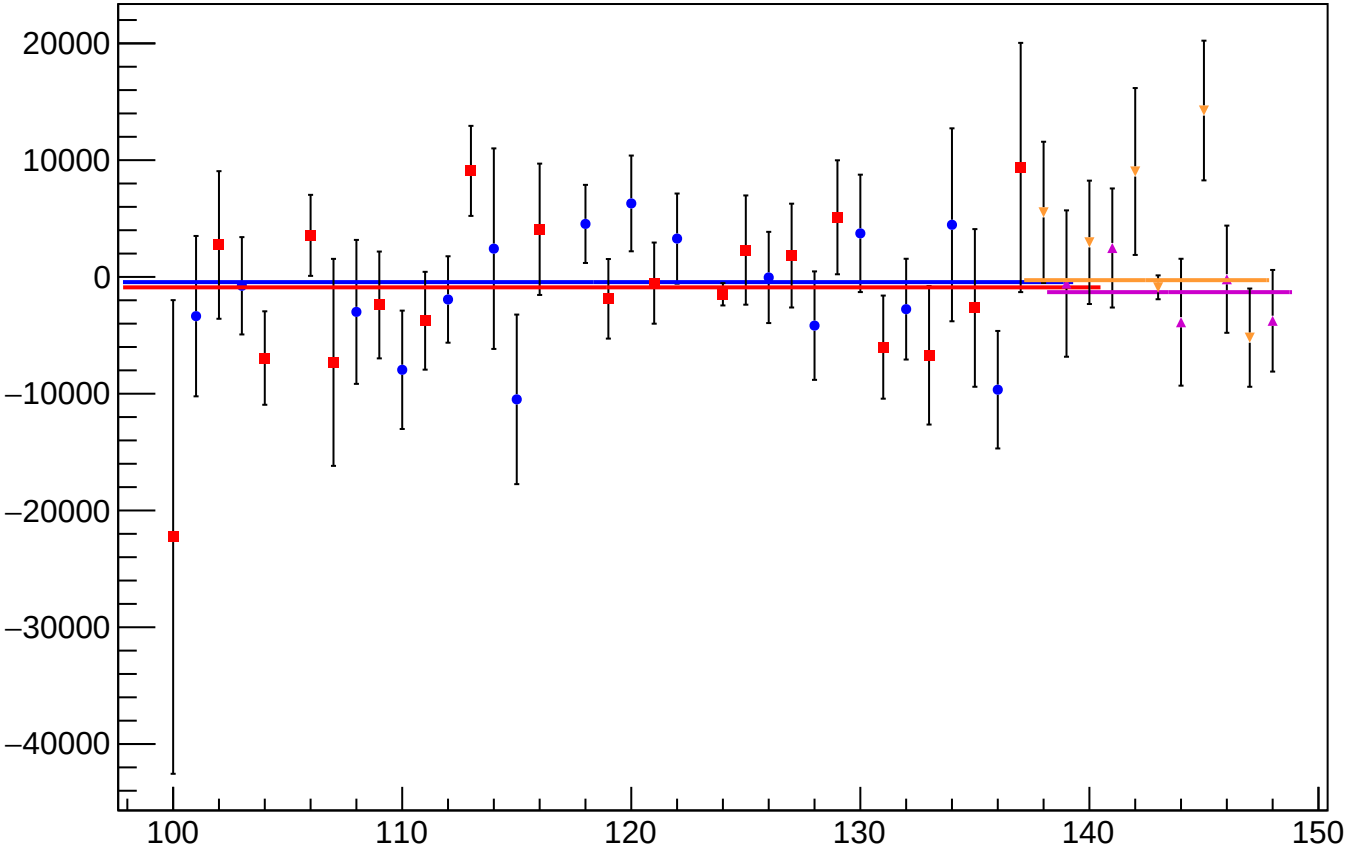
Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.775+/-0.388 χ^2/NDF: 986937.7/21

All: 1821.548+/-0.270 χ^2/NDF: 1359671.6/45

- sign 1802.579+/-0.376 χ^2/NDF: 367477.9/23

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

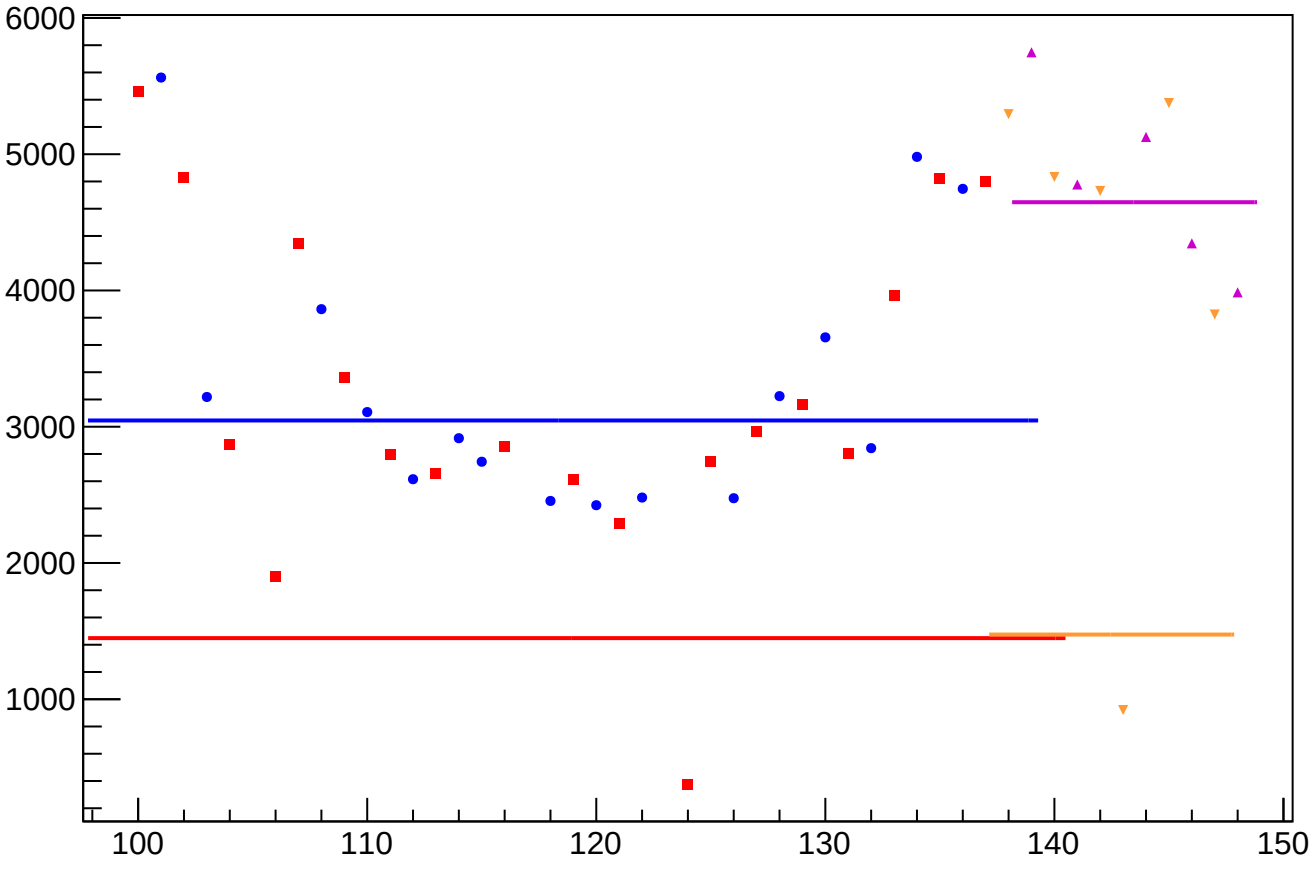
Left In: -1302.400+/-2247.006 χ^2/NDF:1.2/4

+ sign -342.660+/-735.440 χ^2/NDF: 26.6/21

All: -655.298+/-503.438 χ^2/NDF: 48.2/45

- sign -930.982+/-690.609 χ^2/NDF: 21.3/23

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

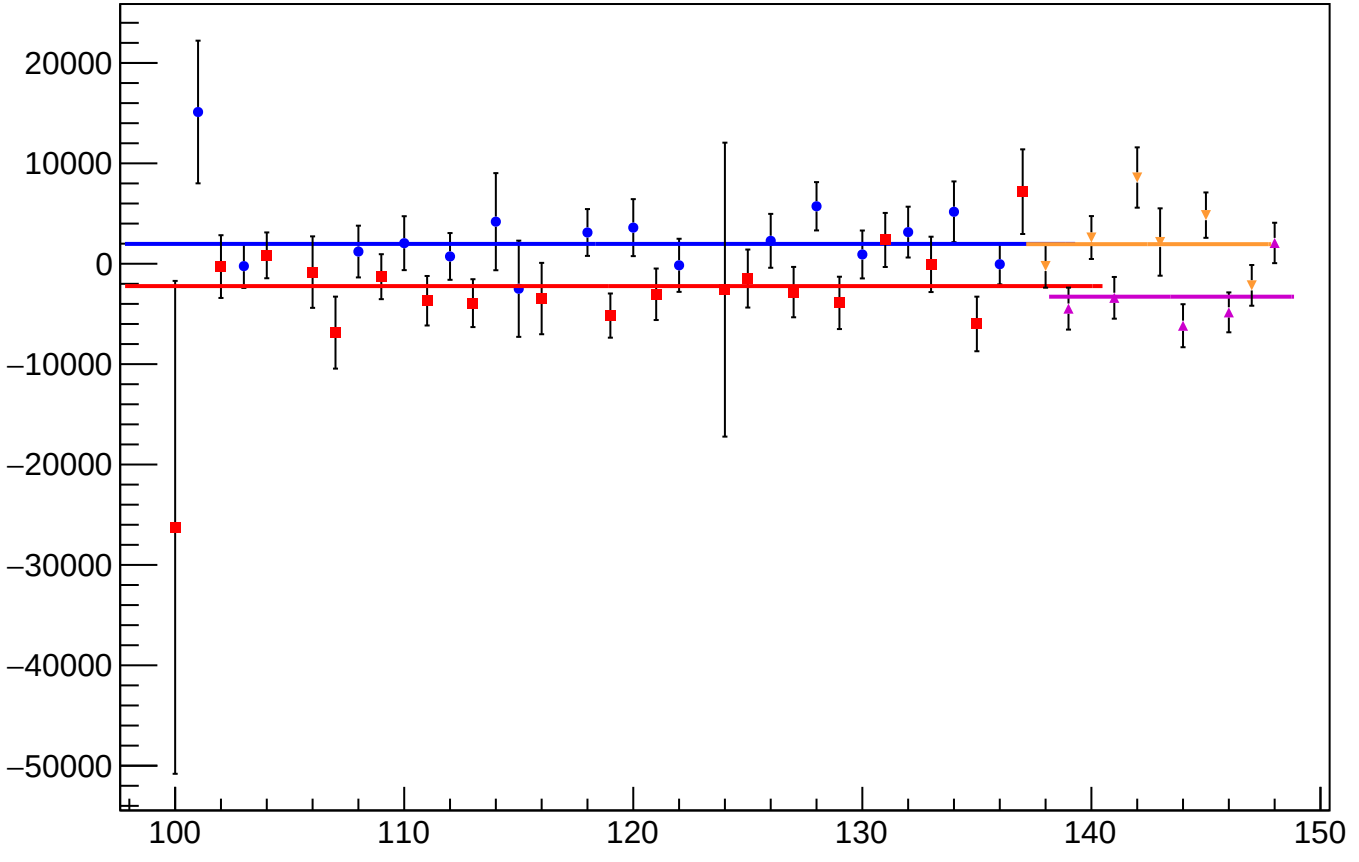
Left In: 4647.707+/-1.589 χ^2/NDF:133352.6/4

+ sign 2090.791+/-0.520 χ^2/NDF: 7166558.7/21

All: 1910.076+/-0.356 χ^2/NDF: 17985281.9/4

- sign 1750.721+/-0.488 χ^2/NDF: 10591475.0/23

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

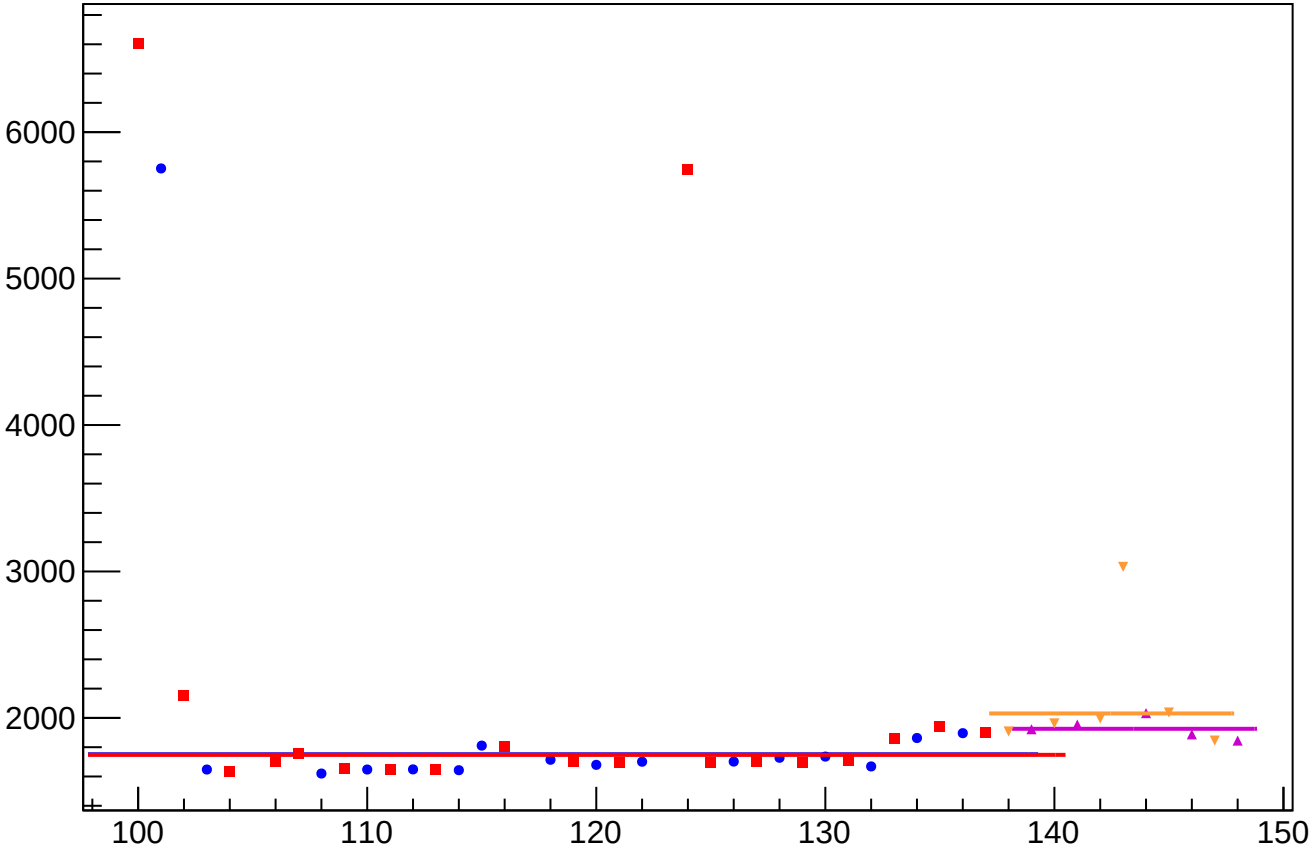
Left In: -3281.625+/-921.230 χ^2/NDF:9.8/4

+ sign 1967.722+/-549.257 χ^2/NDF: 23.8/21

All: -368.780+/-383.066 χ^2/NDF: 88.8/45

- sign -2581.562+/-534.518 χ^2/NDF: 29.7/23

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

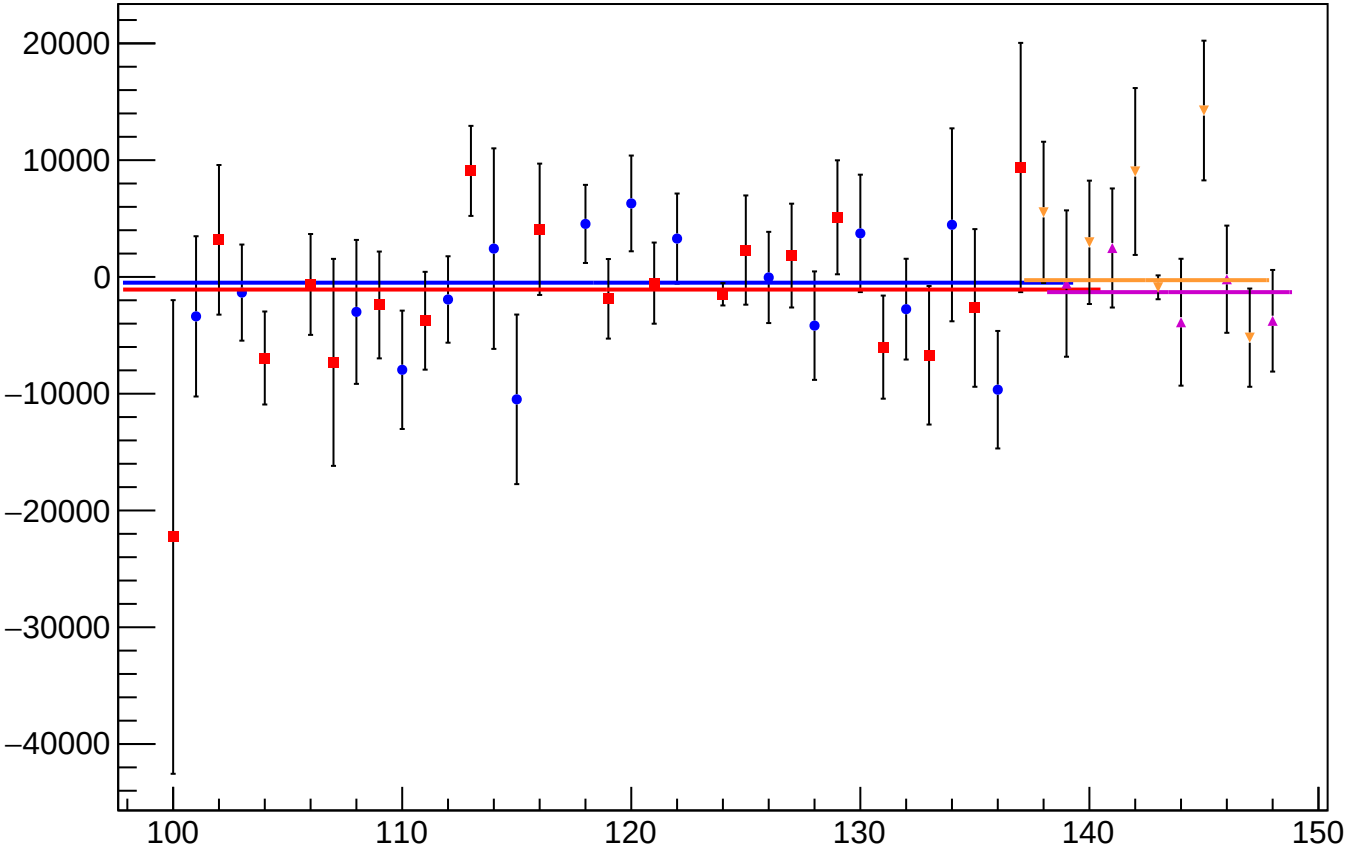
Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.775+/-0.388 χ^2/NDF: 986938.2/21

All: 1824.054+/-0.271 χ^2/NDF: 1347767.9/45

- sign 1807.356+/-0.377 χ^2/NDF: 356786.2/23

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

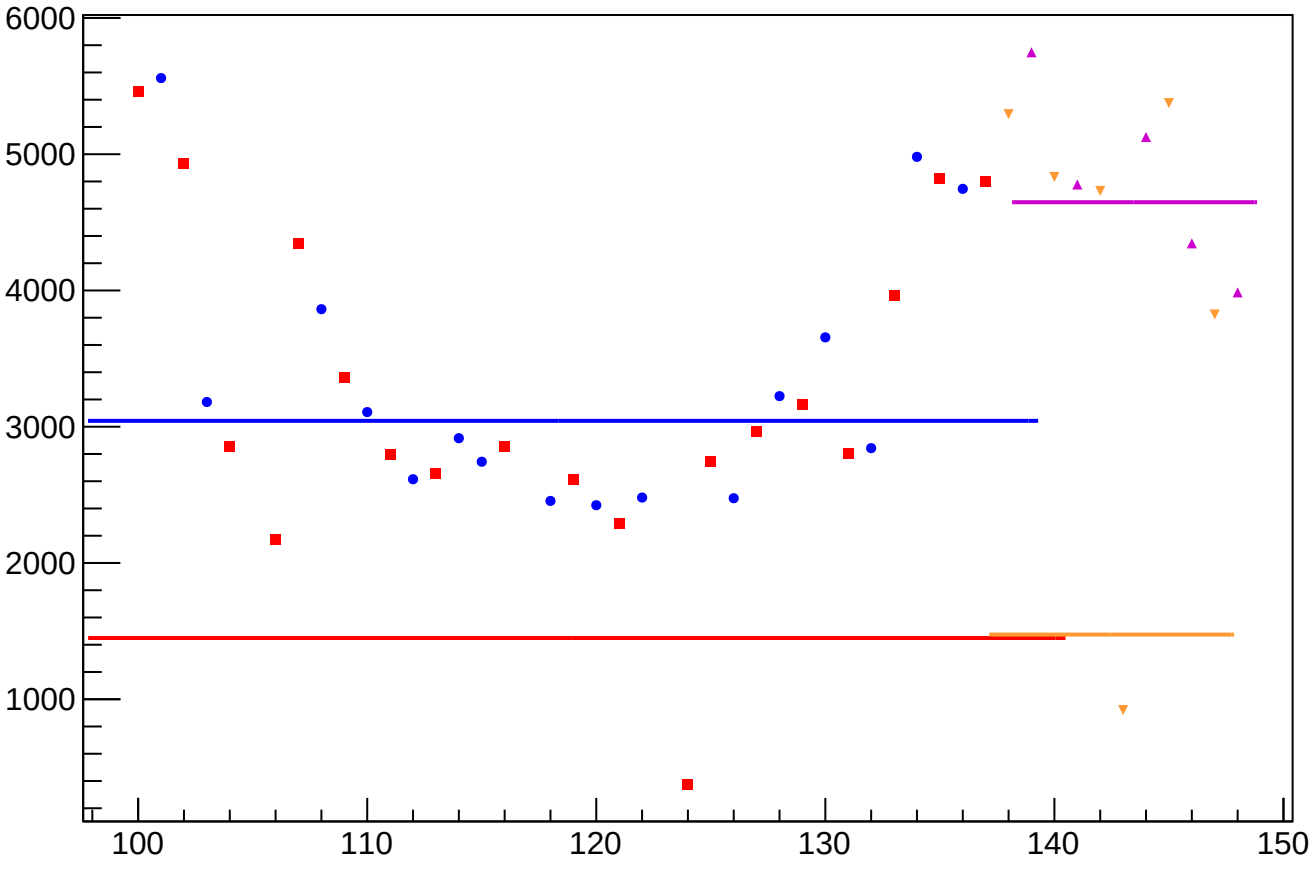
Left In: -1302.327+/-2247.004 χ^2/NDF:1.2/4

+ sign -361.699+/-735.128 χ^2/NDF: 26.6/21

All: -752.394+/-505.234 χ^2/NDF: 46.8/45

- sign -1102.138+/-695.534 χ^2/NDF: 19.6/23

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

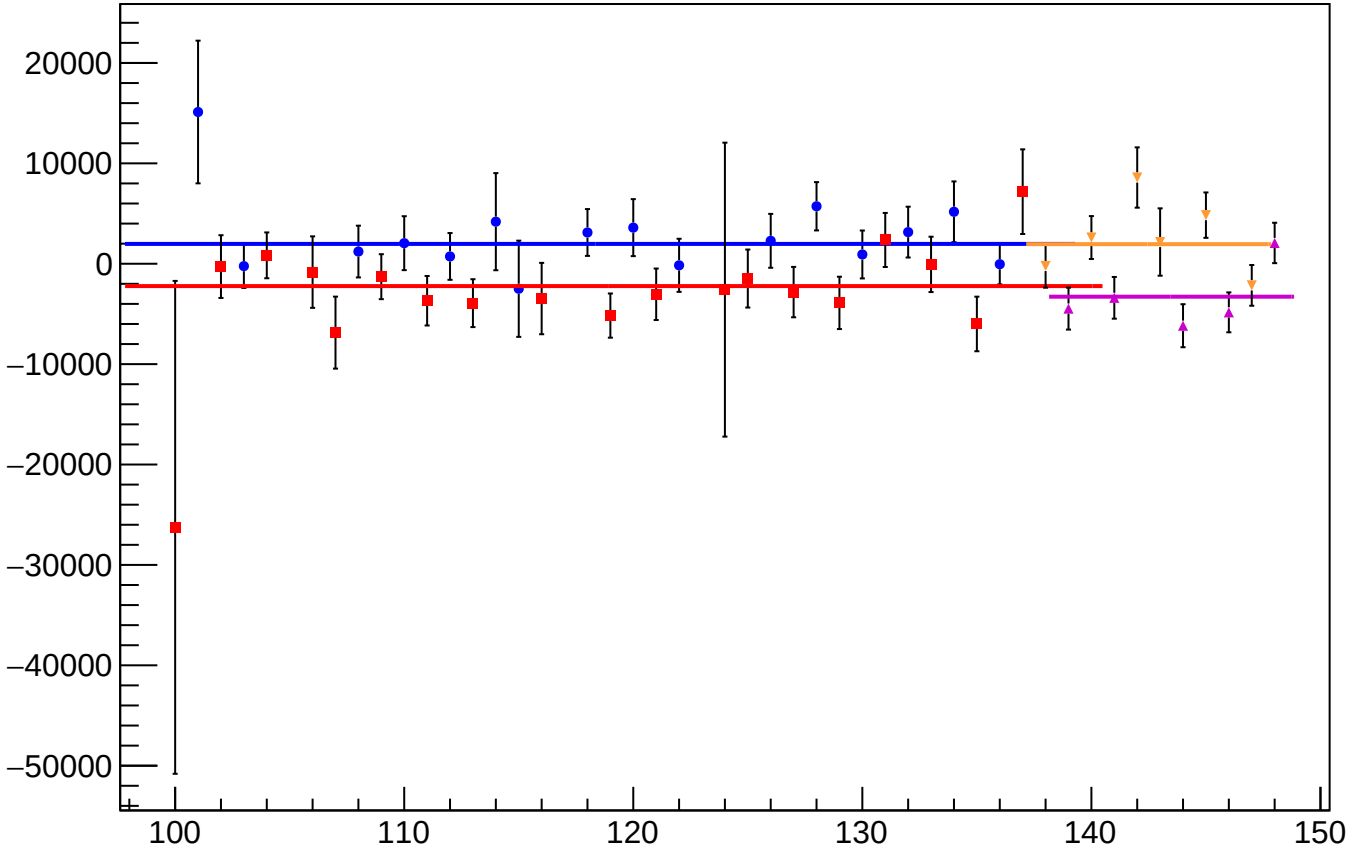
Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

+ sign 2090.455+/-0.520 χ^2/NDF: 7160606.8/21

All: 1913.950+/-0.357 χ^2/NDF: 18001613.7/4

- sign 1755.947+/-0.492 χ^2/NDF: 10622499.2/23

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

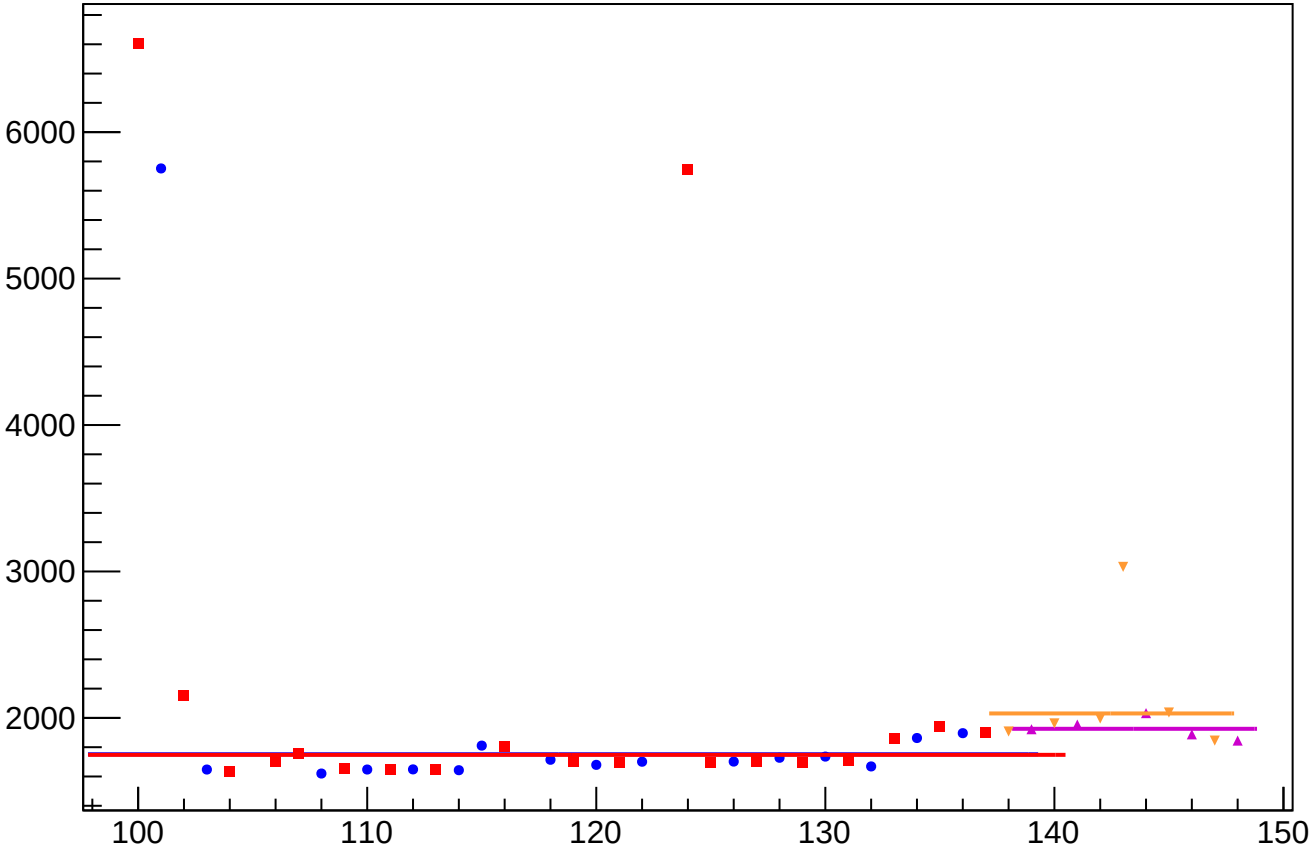
Left In: -3281.625+/-921.230 χ^2/NDF:9.8/4

+ sign 1967.722+/-549.257 χ^2/NDF: 23.8/21

All: -368.780+/-383.066 χ^2/NDF: 88.8/45

- sign -2581.562+/-534.518 χ^2/NDF: 29.7/23

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

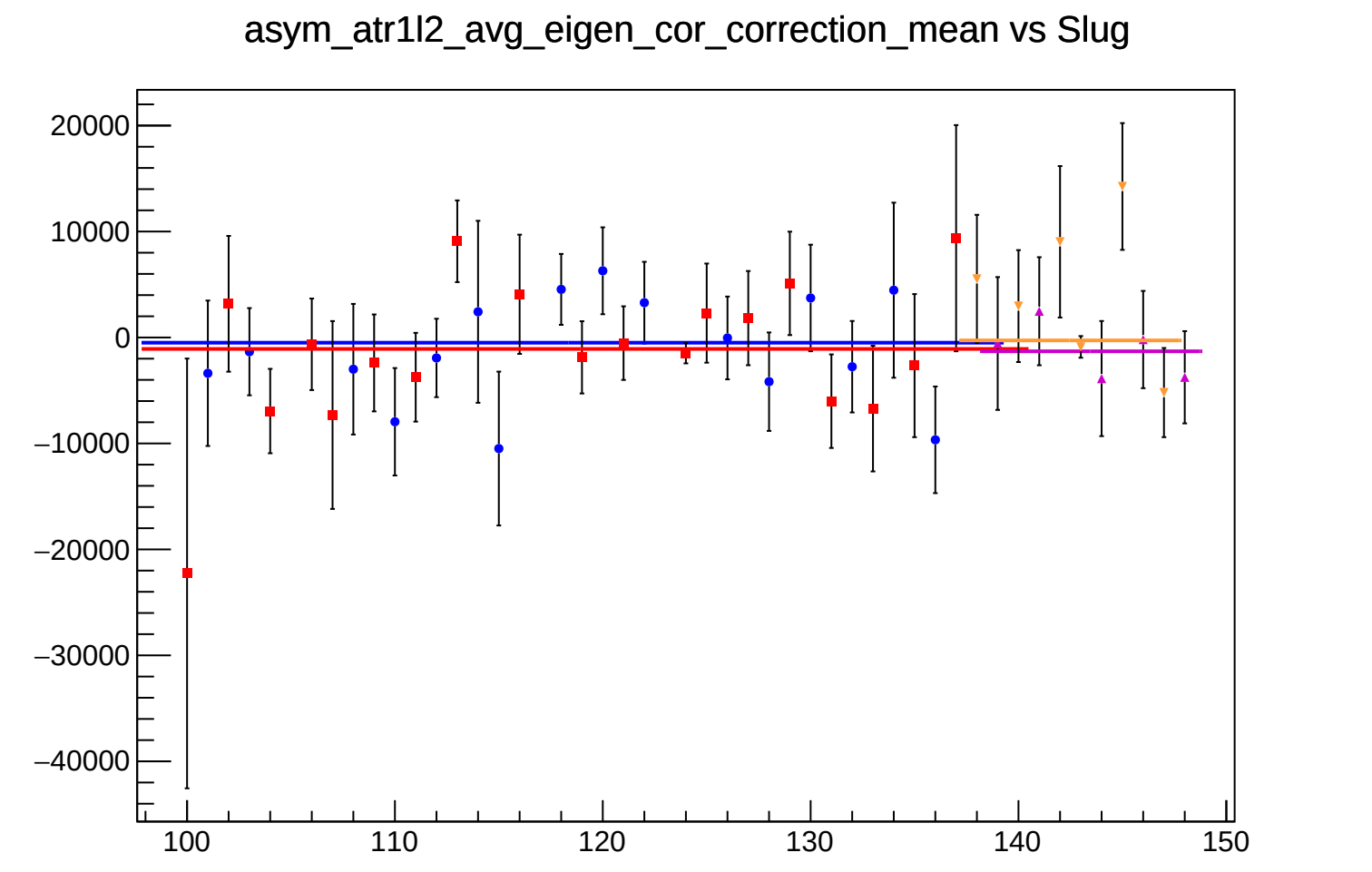
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.775+/-0.388 χ^2/NDF: 986938.2/21

All: 1824.054+/-0.271 χ^2/NDF: 1347767.9/45

- sign 1807.356+/-0.377 χ^2/NDF: 356786.2/23



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

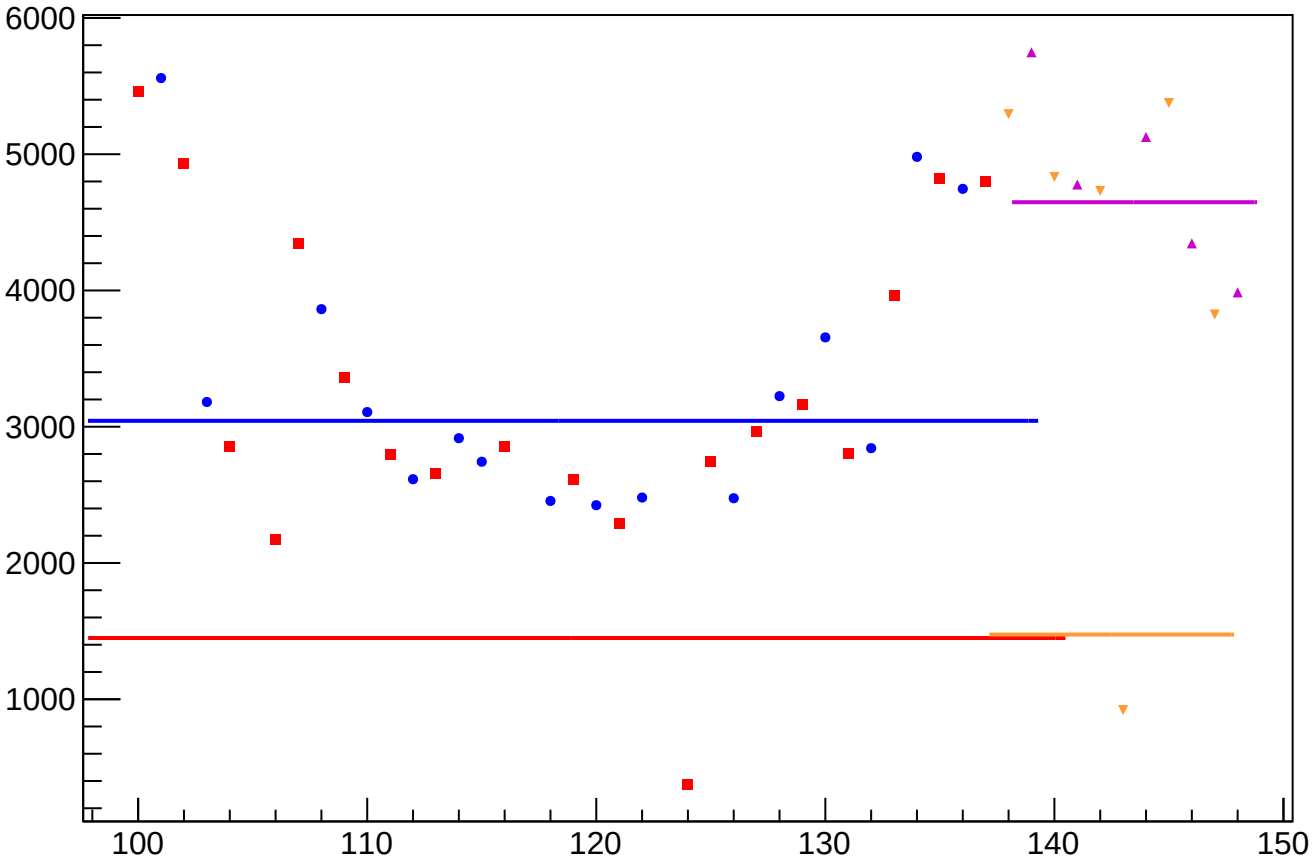
Left In: -1302.327+/-2247.004 χ^2/NDF:1.2/4

+ sign -361.699+/-735.128 χ^2/NDF: 26.6/21

All: -752.394+/-505.234 χ^2/NDF: 46.8/45

- sign -1102.138+/-695.534 χ^2/NDF: 19.6/23

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

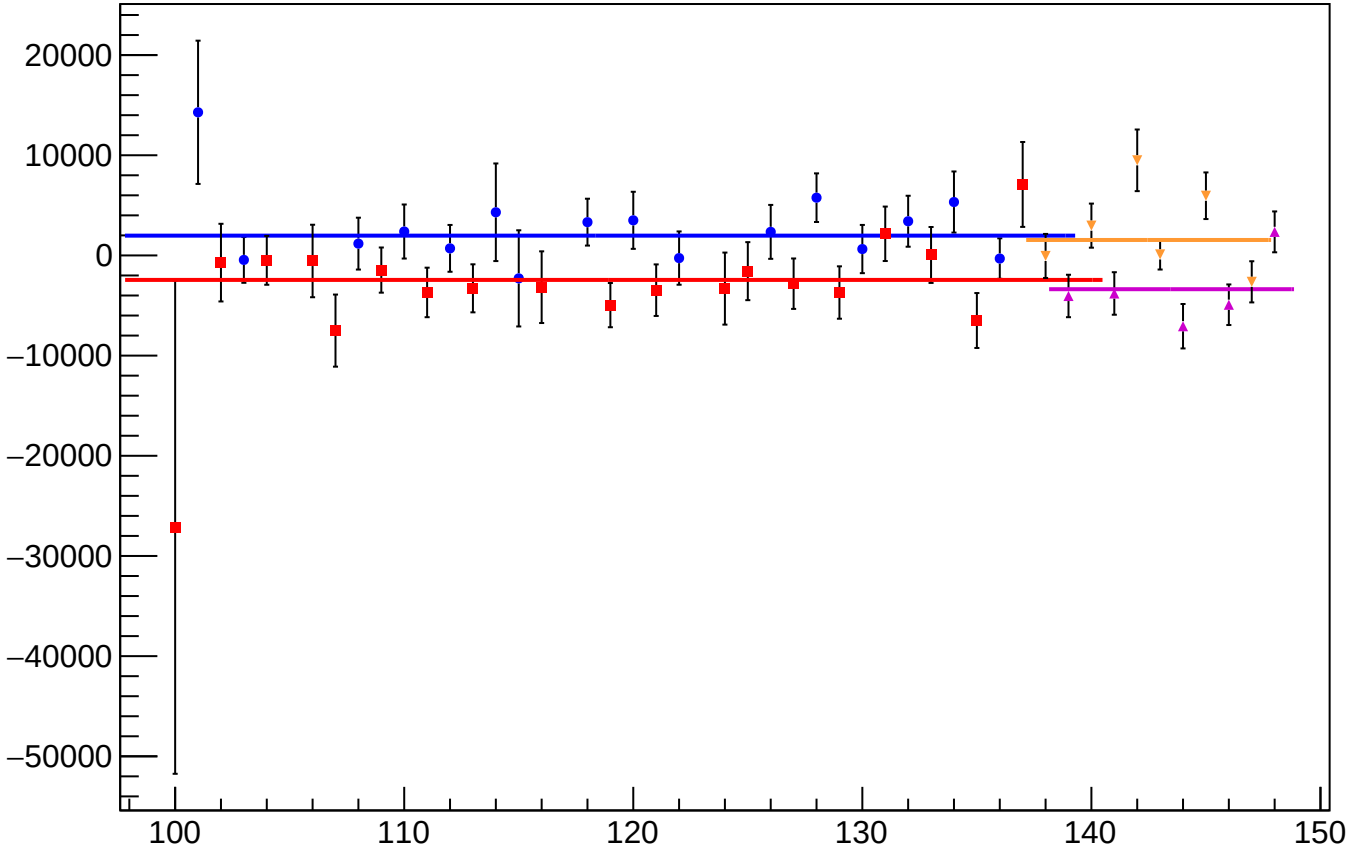
Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

+ sign 2090.455+/-0.520 χ^2/NDF: 7160606.8/21

All: 1913.950+/-0.357 χ^2/NDF: 18001613.7/4

- sign 1755.947+/-0.492 χ^2/NDF: 10622499.2/23

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

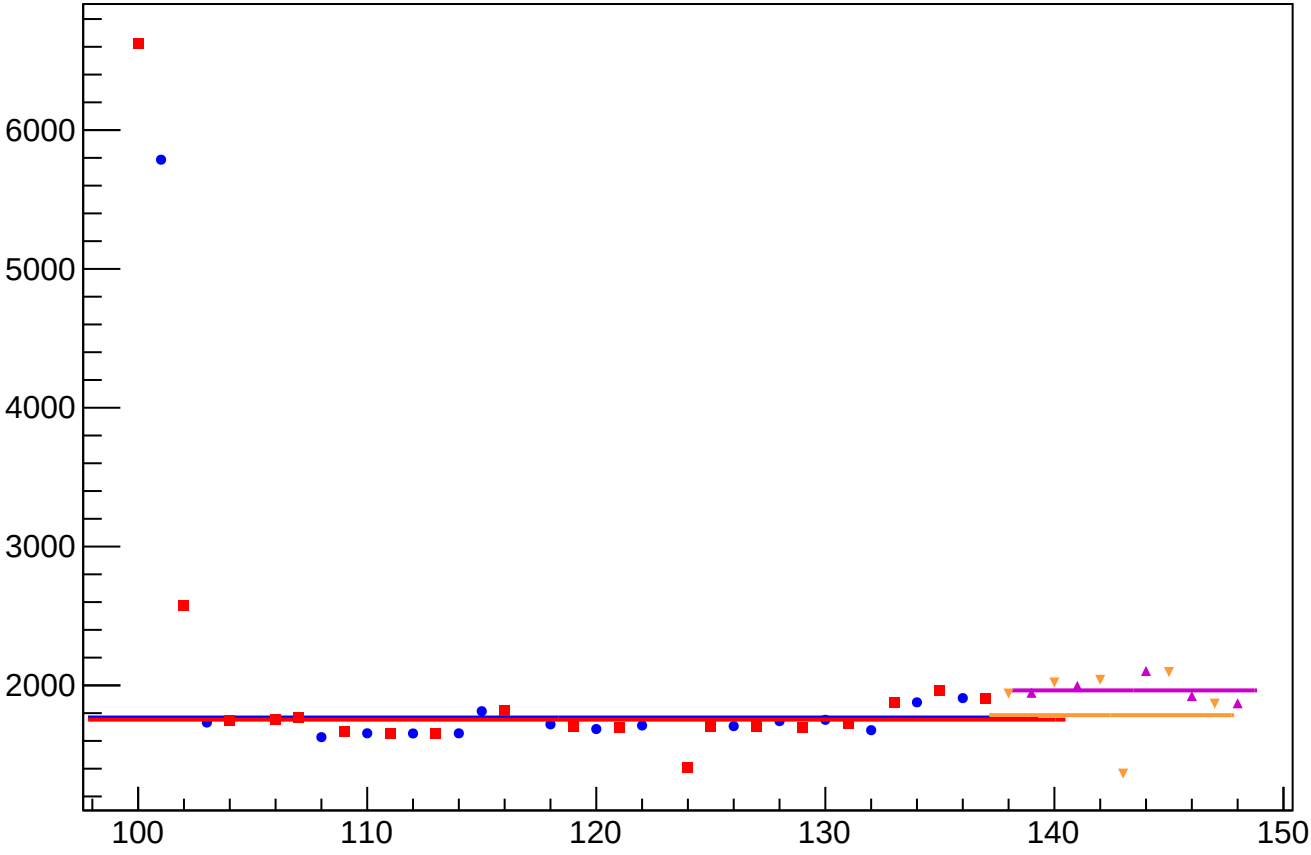
Left In: -3371.039+/-939.809 χ^2/NDF:11.4/4

+ sign 1808.903+/-528.491 χ^2/NDF: 28.9/21

All: -425.786+/-377.307 χ^2/NDF: 94.8/45

- sign -2748.884+/-538.844 χ^2/NDF: 29.5/23

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

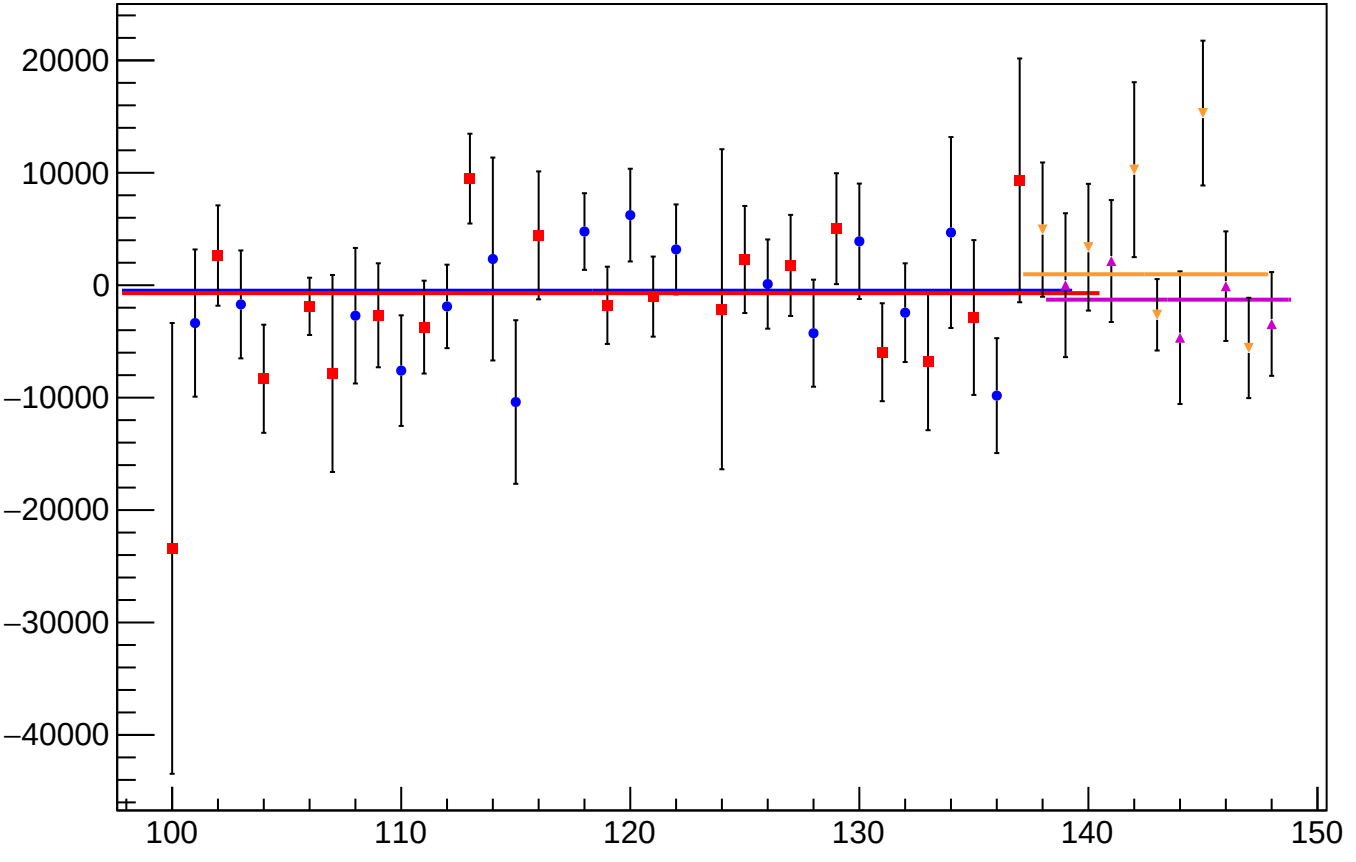
Left In: 1963.847+/-0.665 χ^2/NDF:13478.3/4

+ sign 1775.012+/-0.374 χ^2/NDF: 908969.6/21

All: 1798.251+/-0.267 χ^2/NDF: 1216631.9/45

- sign 1822.323+/-0.380 χ^2/NDF: 299789.4/23

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

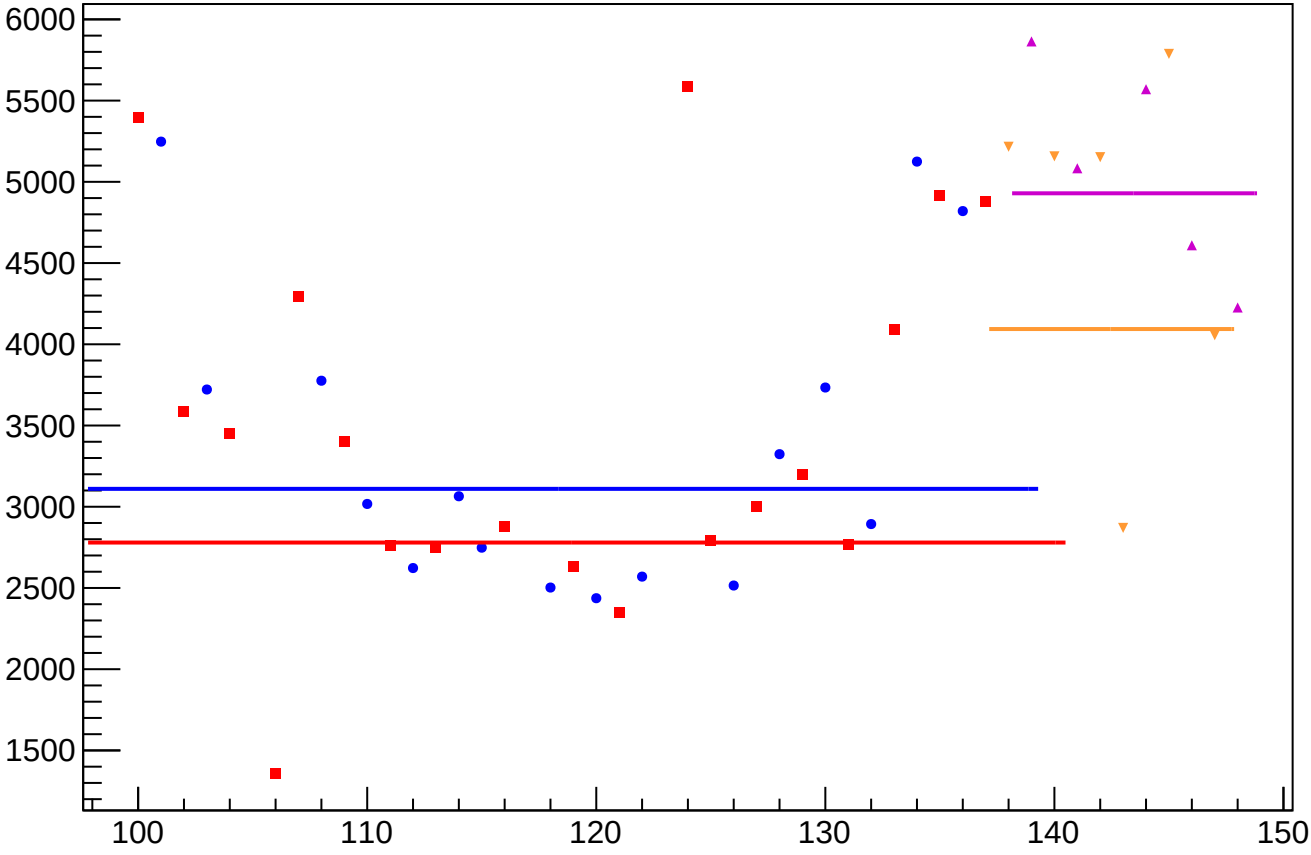
Left In: -1283.541+/-2382.412 χ^2/NDF:1.1/4

+ sign -102.141+/-1028.316 χ^2/NDF: 26.6/21

All: -469.725+/-707.783 χ^2/NDF: 46.8/45

- sign -800.635+/-975.671 χ^2/NDF: 19.9/23

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

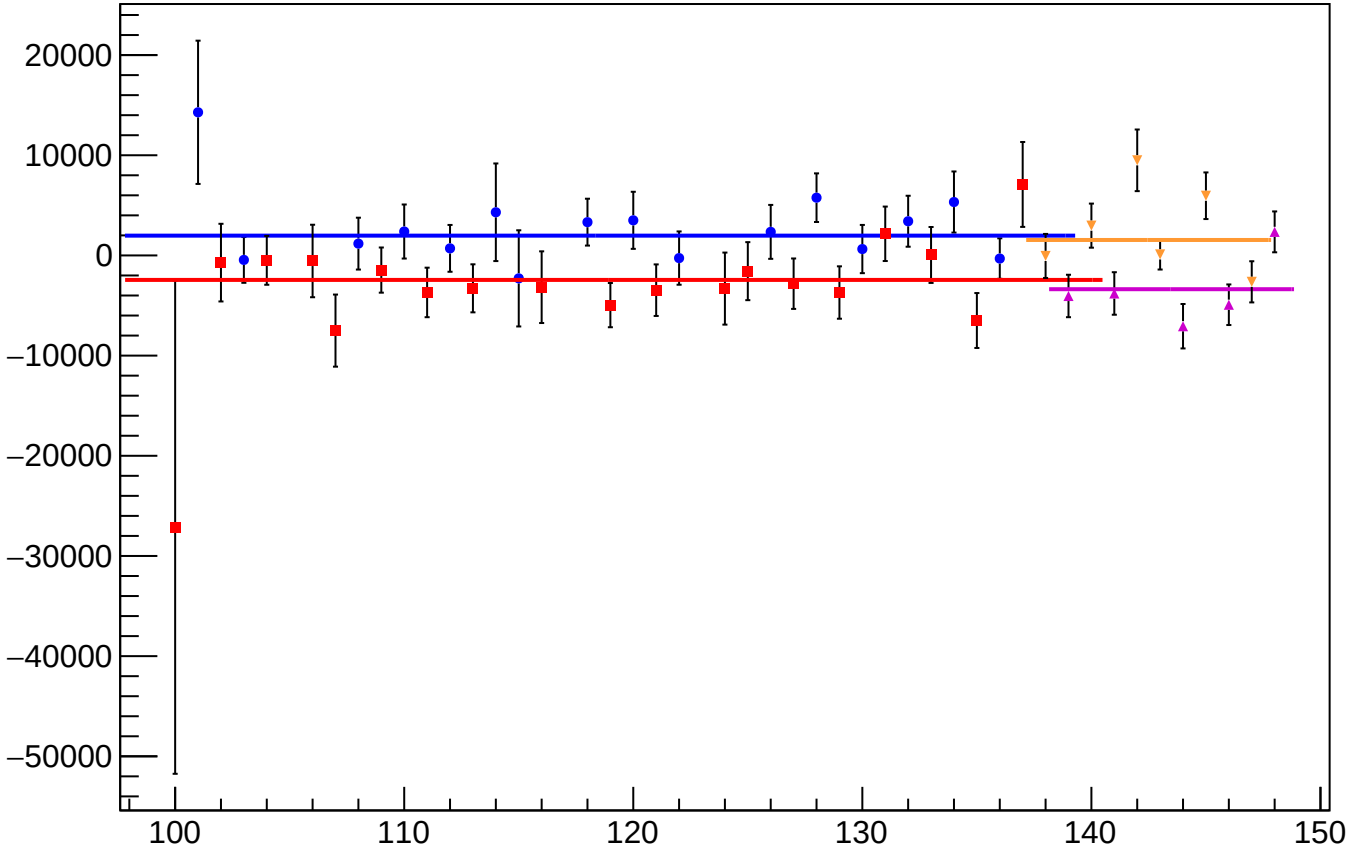
Left In: 4929.391+/-1.685 χ^2/NDF:122895.6/4

+ sign 3369.682+/-0.727 χ^2/NDF: 1853039.7/21

All: 3248.905+/-0.500 χ^2/NDF: 4731843.7/45

- sign 3140.178+/-0.690 χ^2/NDF: 2826377.3/23

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

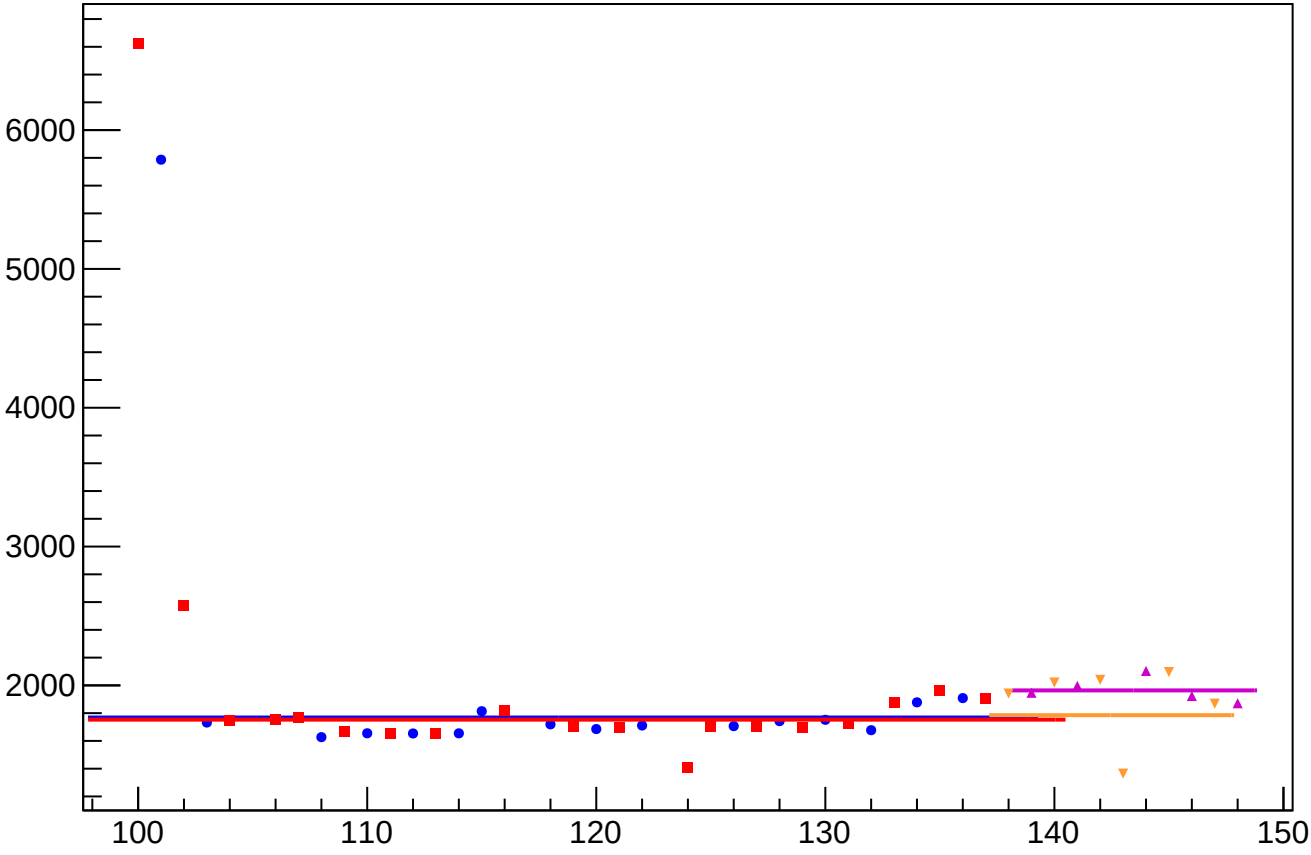
Left In: -3371.038+/-939.810 χ^2/NDF:11.4/4

+ sign 1808.906+/-528.491 χ^2/NDF: 28.9/21

All: -425.784+/-377.307 χ^2/NDF: 94.8/45

- sign -2748.884+/-538.844 χ^2/NDF: 29.5/23

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

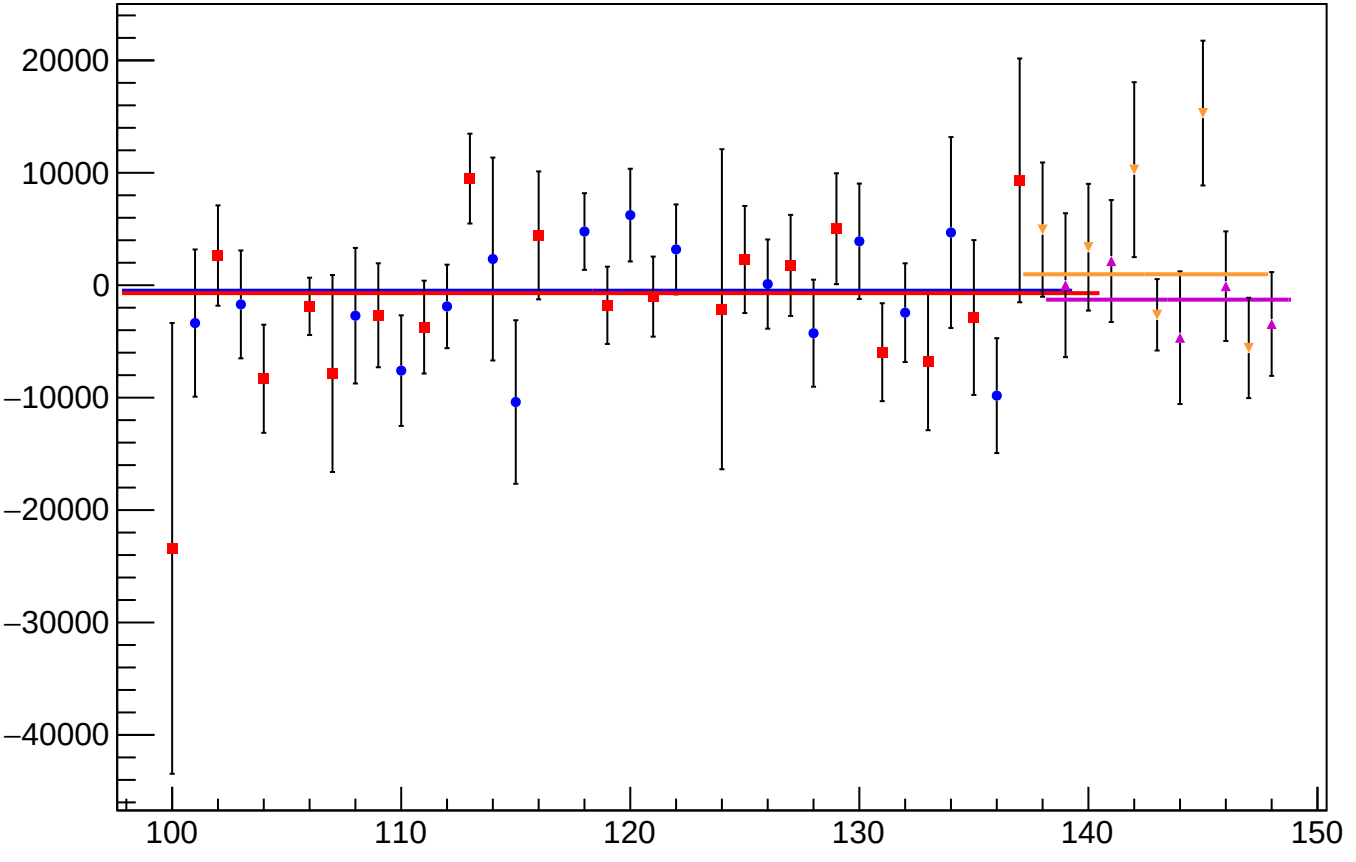
Left In: 1963.848+/-0.665 χ^2/NDF:13478.5/4

+ sign 1775.012+/-0.374 χ^2/NDF: 908970.6/21

All: 1798.251+/-0.267 χ^2/NDF: 1216633.8/45

- sign 1822.323+/-0.380 χ^2/NDF: 299790.4/23

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

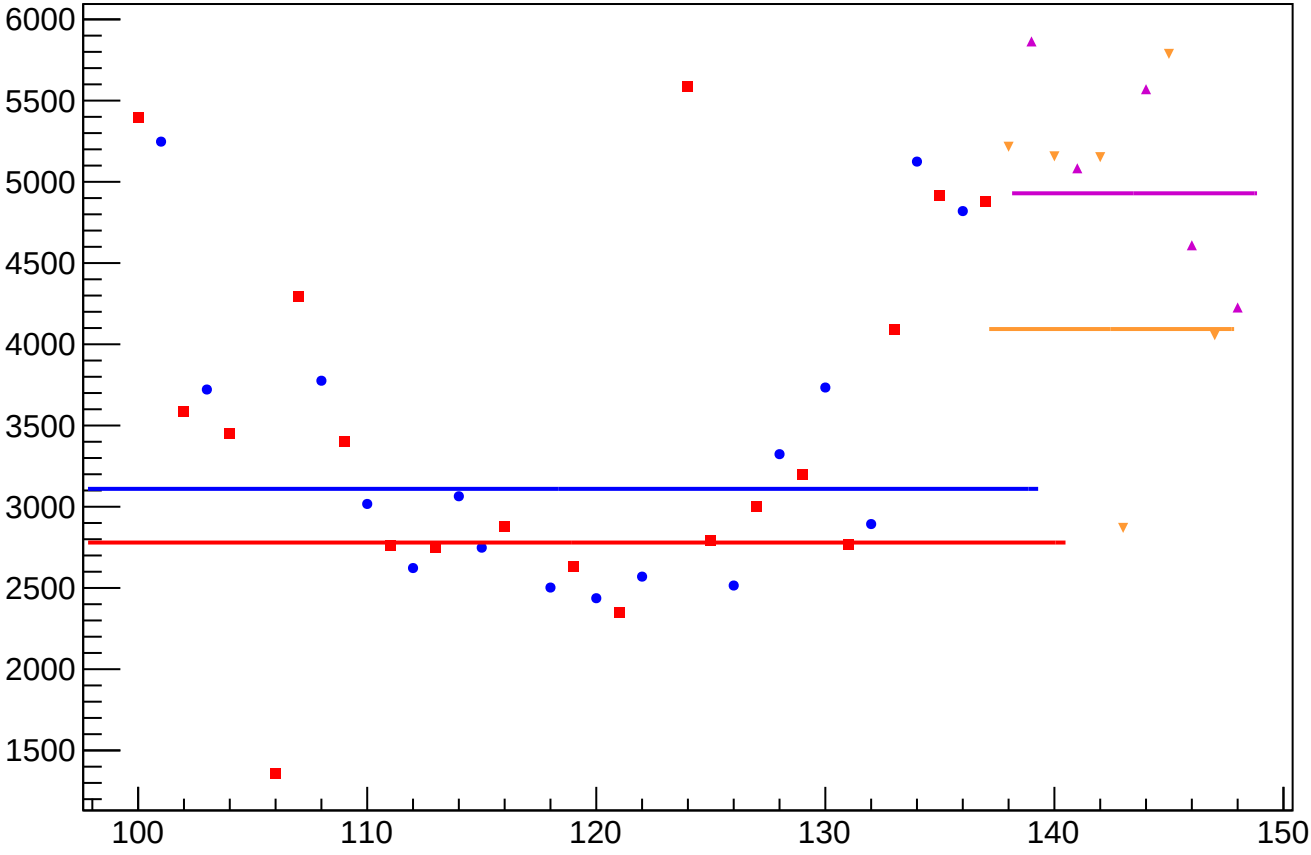
Left In: -1283.542+/-2382.416 χ^2/NDF:1.1/4

+ sign -102.140+/-1028.314 χ^2/NDF: 26.6/21

All: -469.725+/-707.781 χ^2/NDF: 46.8/45

- sign -800.636+/-975.668 χ^2/NDF: 19.9/23

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

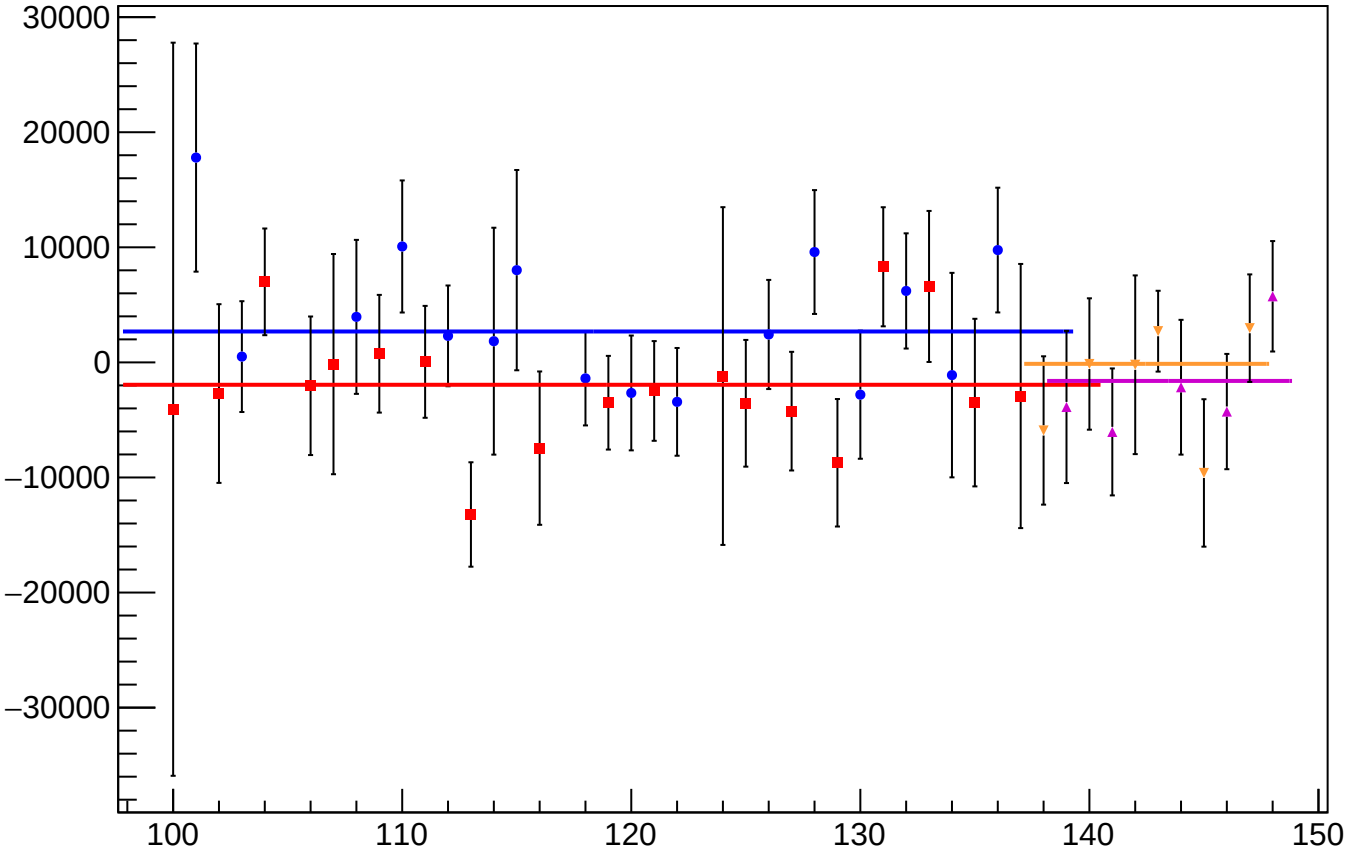
Left In: 4929.397+/-1.685 χ^2/NDF:122897.8/4

+ sign 3369.673+/-0.727 χ^2/NDF: 1853065.1/21

All: 3248.894+/-0.500 χ^2/NDF: 4731915.0/45

- sign 3140.165+/-0.690 χ^2/NDF: 2826421.2/23

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

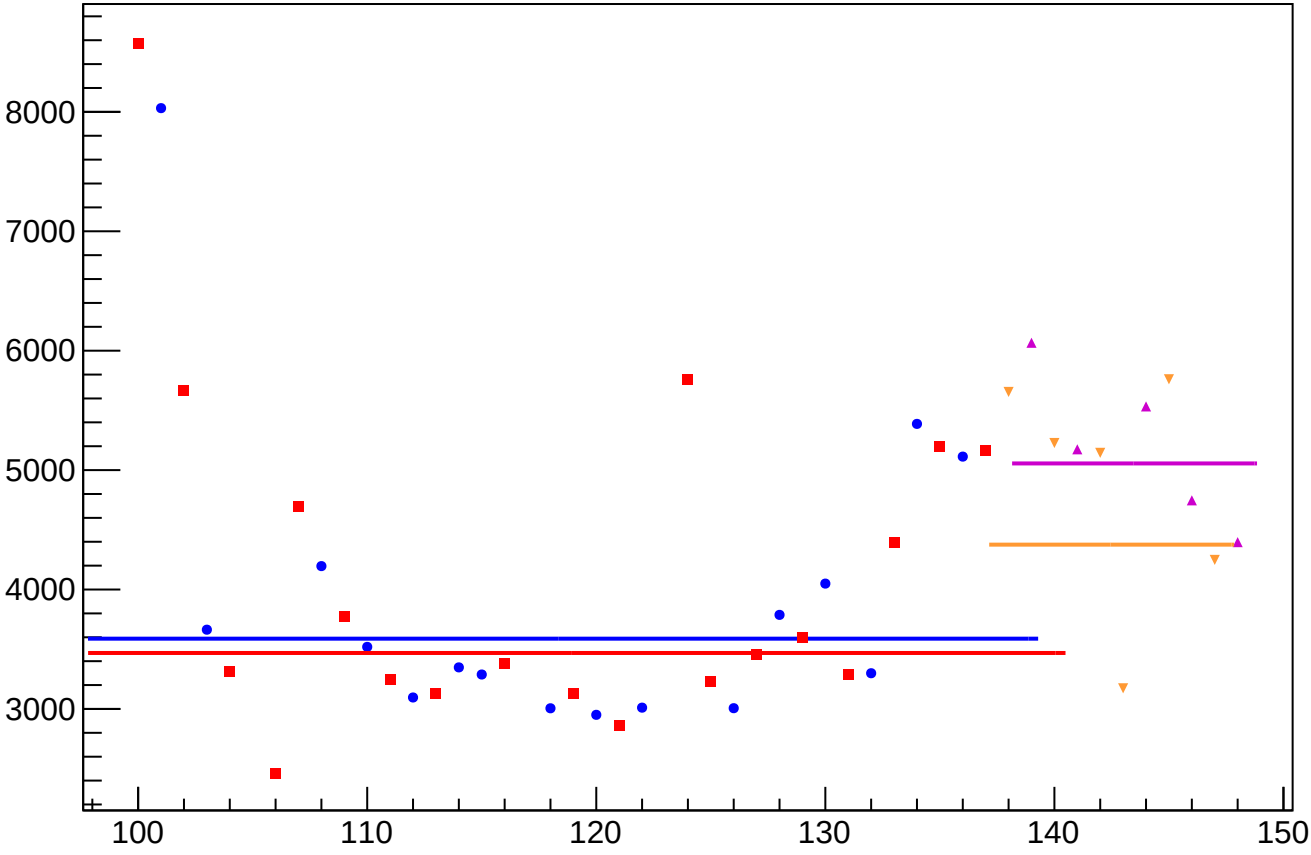
Left In: -1611.384+/-2438.405 χ^2/NDF:3.4/4

+ sign 1848.226+/-1156.416 χ^2/NDF: 18.8/21

All: 10.840+/-822.341 χ^2/NDF: 46.0/45

- sign -1868.768+/-1169.628 χ^2/NDF: 22.1/23

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

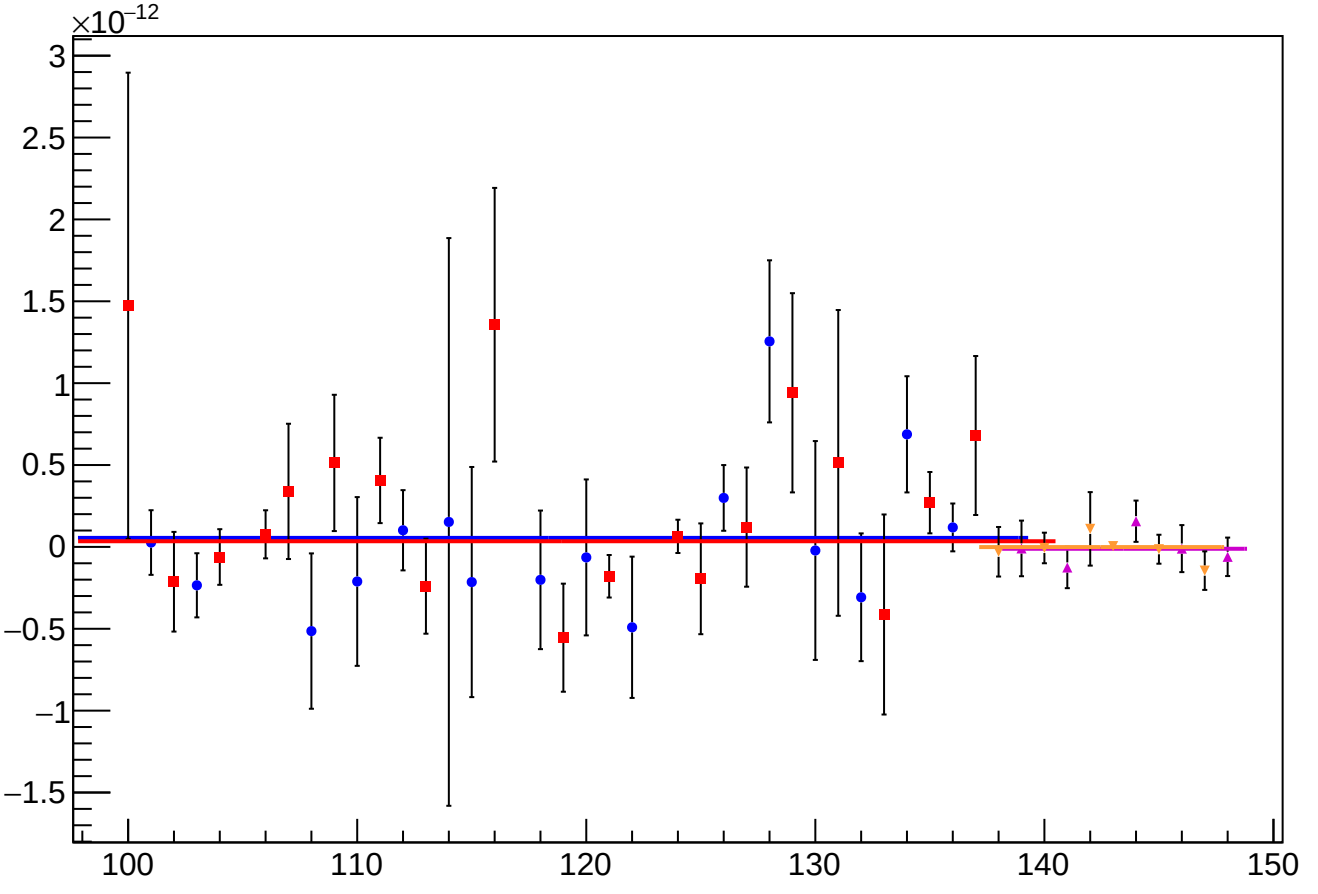
Left In: 5055.904+/-1.724 χ^2/NDF:106291.6/4

+ sign 3822.832+/-0.818 χ^2/NDF: 1511596.1/21

All: 3824.064+/-0.578 χ^2/NDF: 2941474.1/45

- sign 3825.295+/-0.817 χ^2/NDF: 1429873.5/23

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

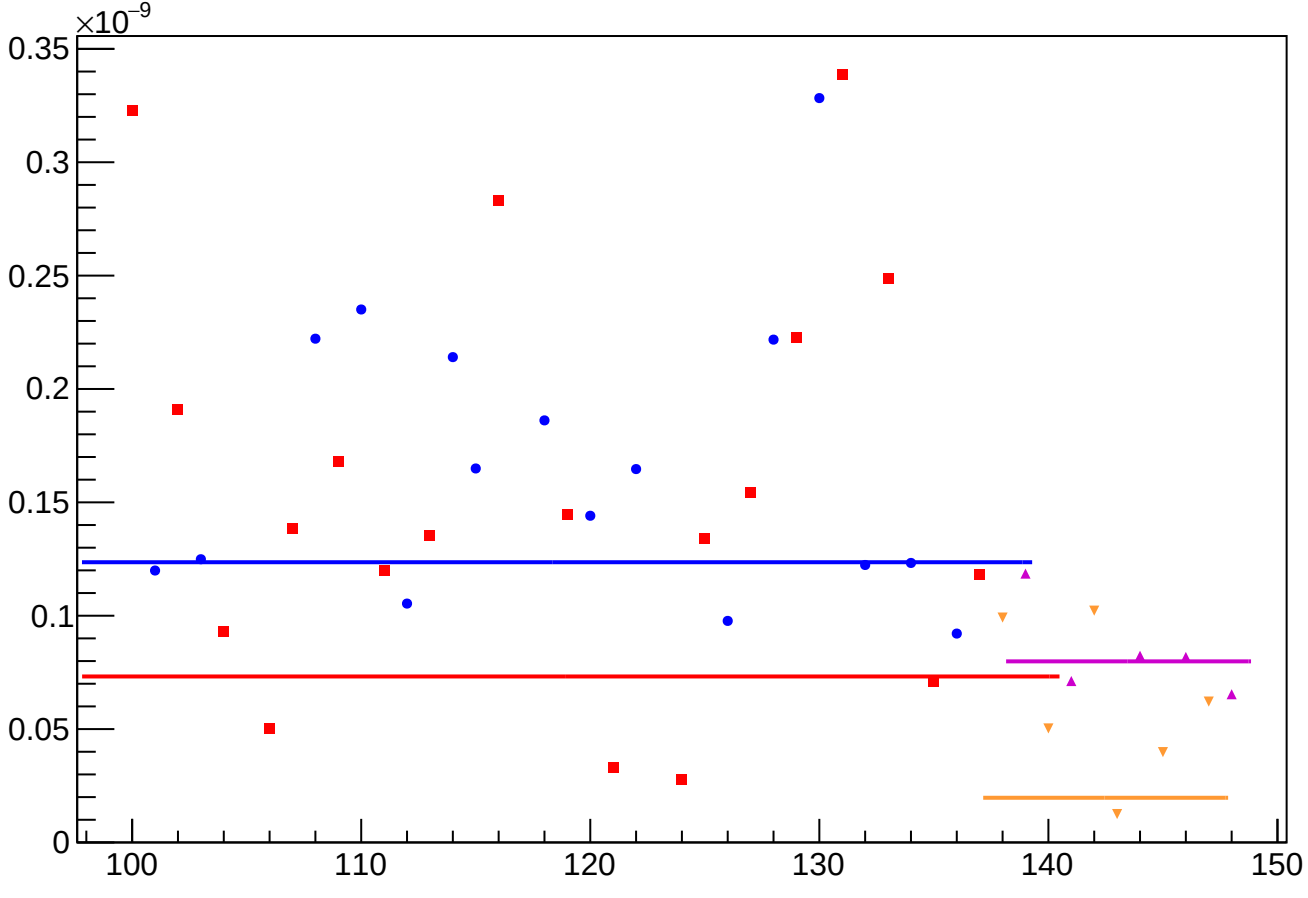
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/21

All: 0.000+/-0.000 χ^2/NDF: 45.6/45

- sign 0.000+/-0.000 χ^2/NDF: 25.4/23



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

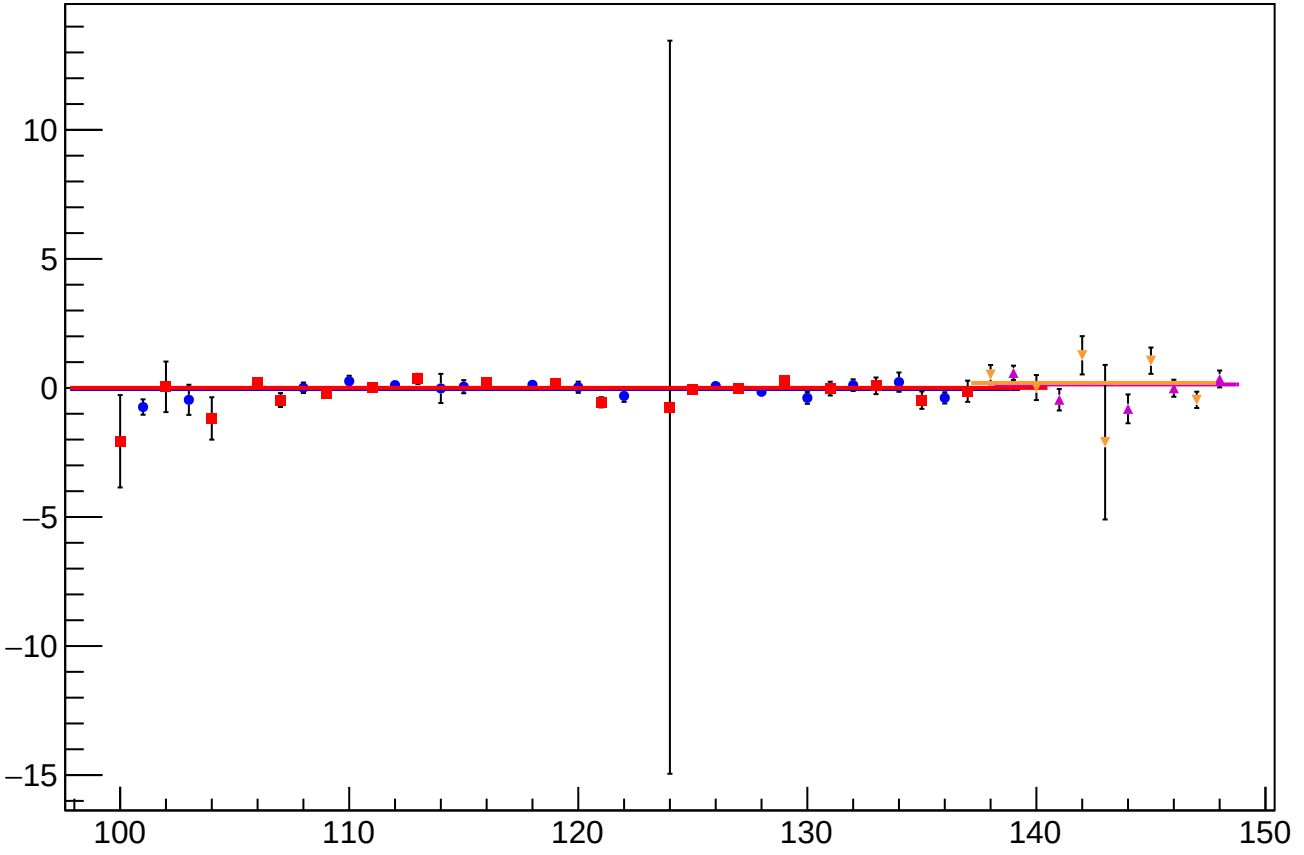
Left In: 0.000+/-0.000 χ^2/NDF:144885.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 6004834.3/21

All: 0.000+/-0.000 χ^2/NDF: 10775195.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2347631.8/23

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

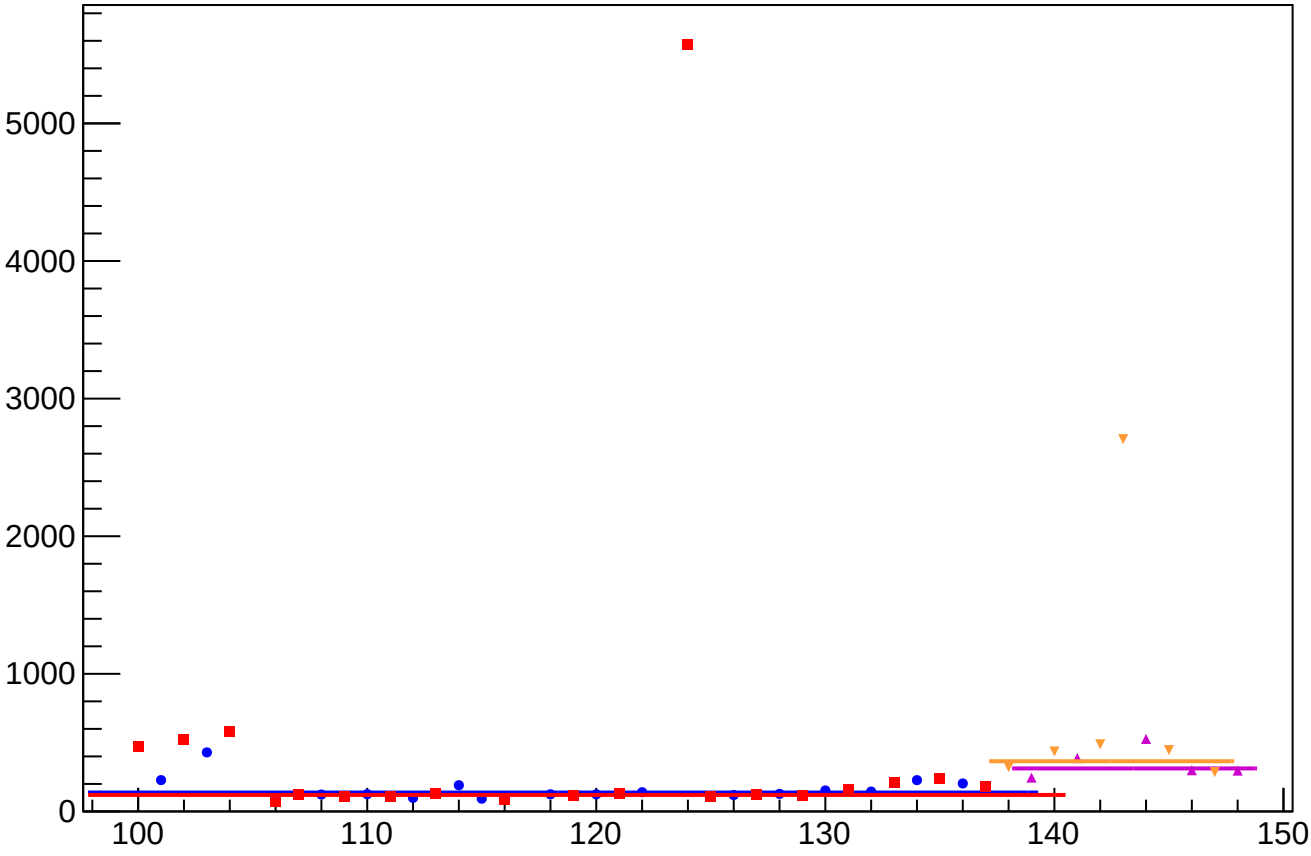
Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.001+/-0.036 χ^2/NDF: 67.7/45

- sign 0.015+/-0.048 χ^2/NDF: 37.4/23

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

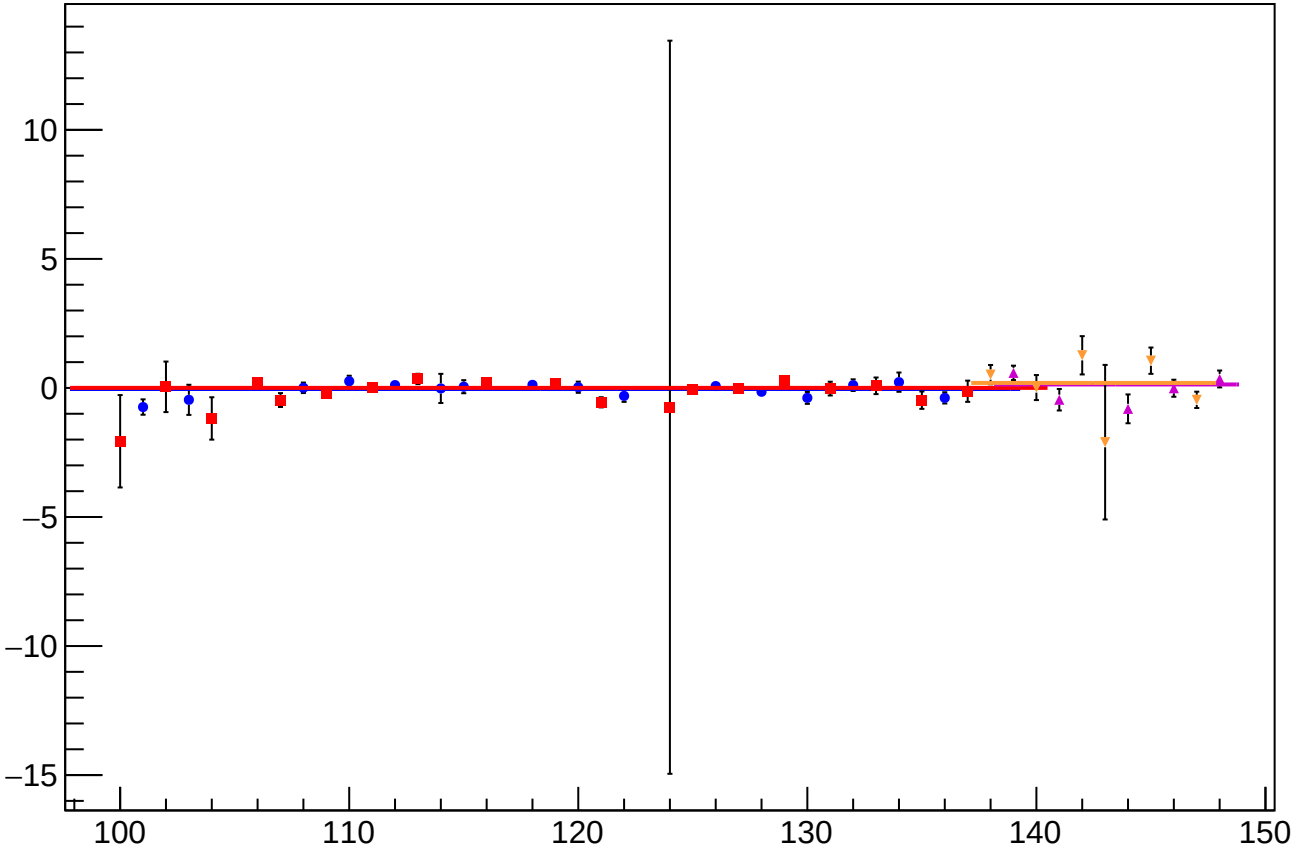
Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

+ sign 155.179+/-0.038 χ^2/NDF: 5385641.2/21

All: 145.866+/-0.025 χ^2/NDF: 10828326.4/45

- sign 138.255+/-0.034 χ^2/NDF: 5332950.0/23

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

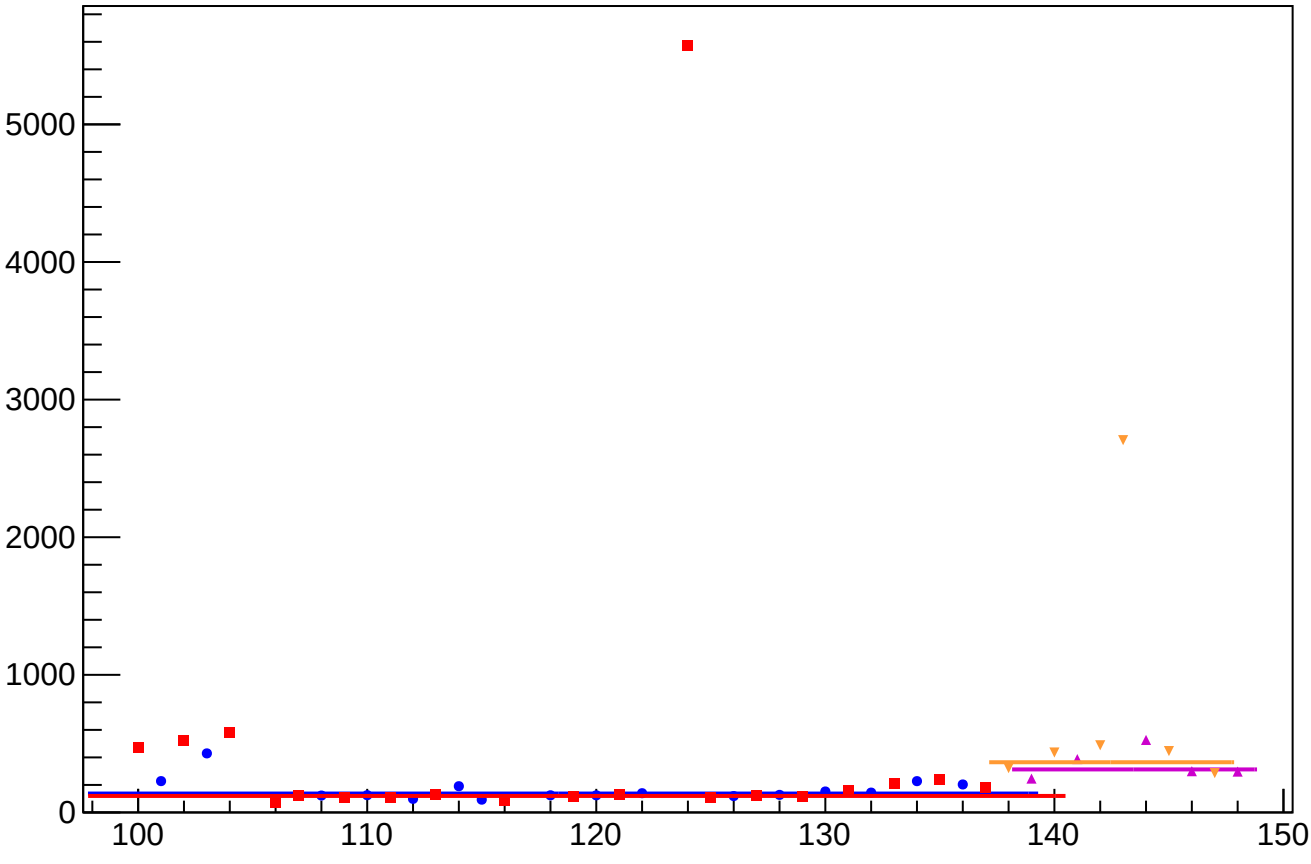
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.001+/-0.036 χ^2/NDF: 67.7/45

\- sign 0.015+/-0.048 χ^2/NDF: 37.4/23



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

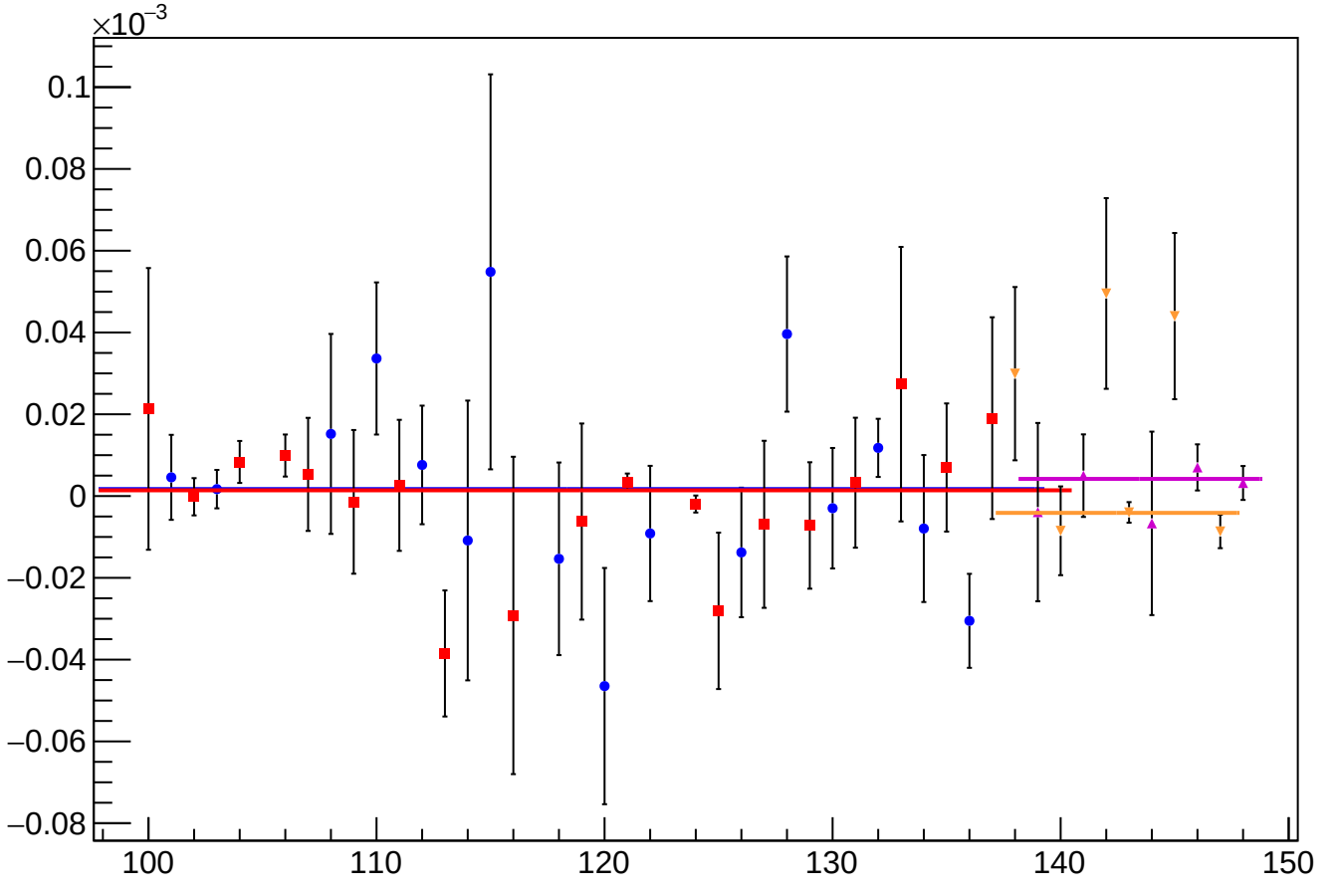
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

+ sign 155.179+/-0.038 χ^2/NDF: 5385641.2/21

All: 145.866+/-0.025 χ^2/NDF: 10828326.4/45

- sign 138.255+/-0.034 χ^2/NDF: 5332950.0/23



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

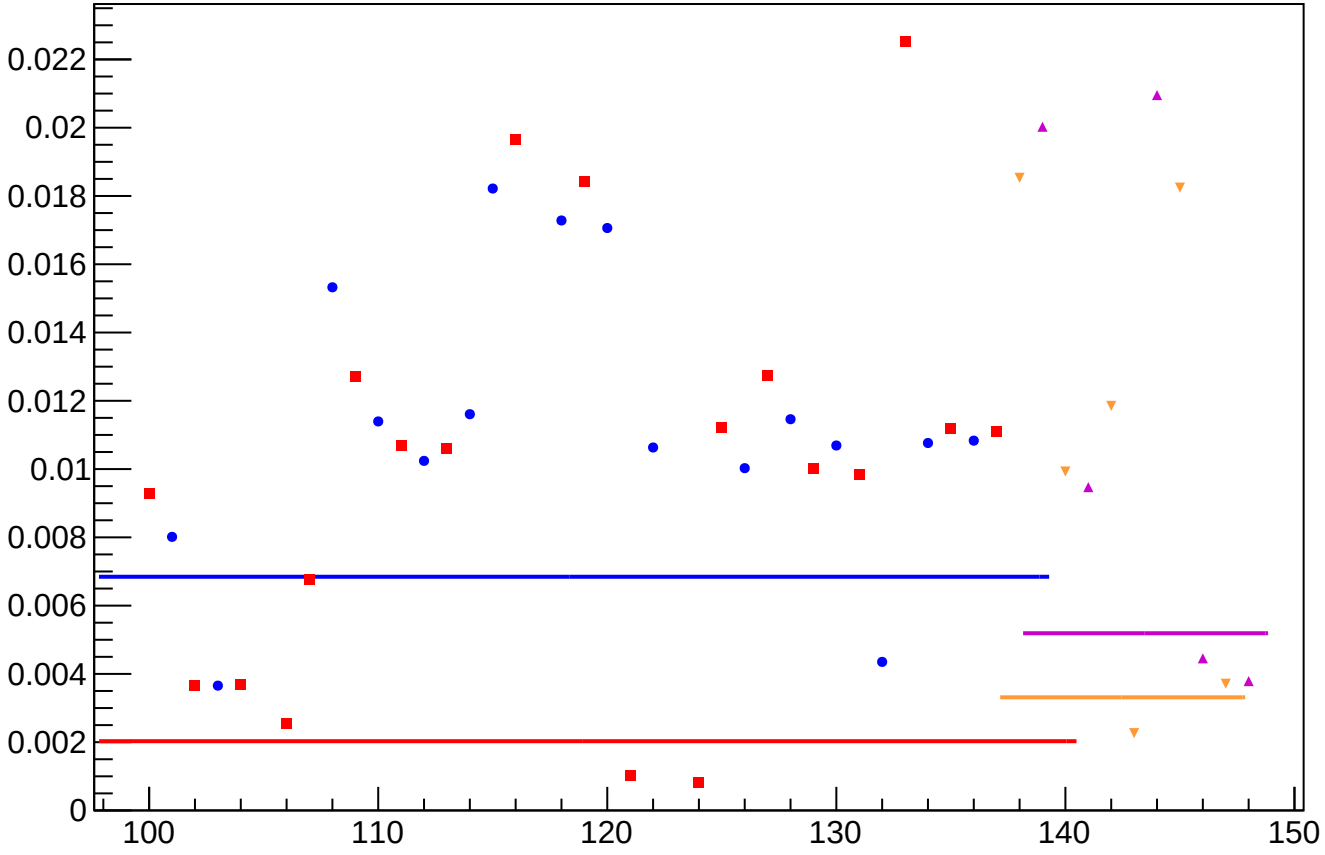
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/21

All: 0.000+/-0.000 χ^2/NDF: 66.7/45

- sign 0.000+/-0.000 χ^2/NDF: 21.6/23

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

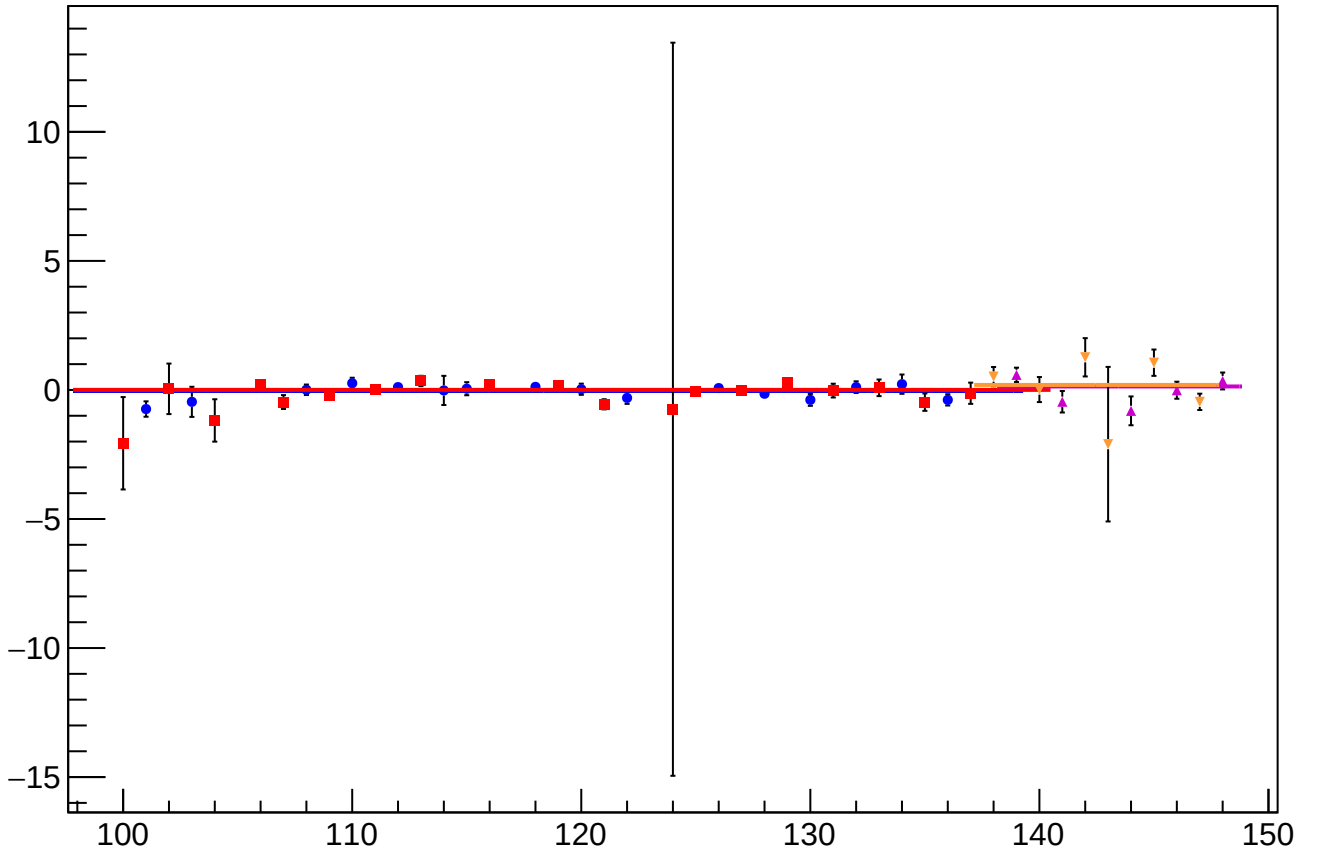
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2536098.7/4

+ sign 0.004+/-0.000 χ^2/NDF: 8622774.1/21

All: 0.003+/-0.000 χ^2/NDF: 23829047.0/45

- sign 0.002+/-0.000 χ^2/NDF: 13322231.1/23



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

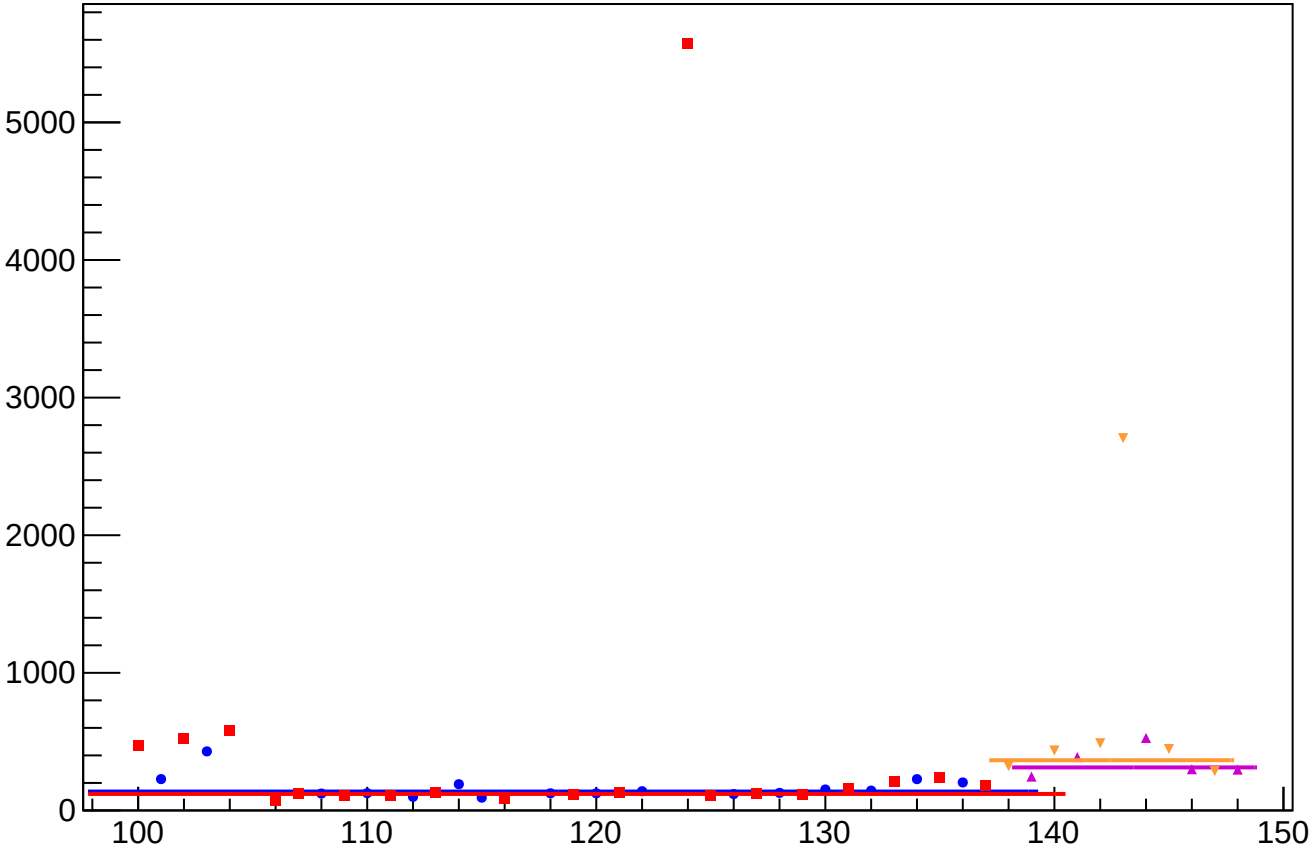
Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.001+/-0.036 χ^2/NDF: 67.7/45

\- sign 0.015+/-0.048 χ^2/NDF: 37.4/23

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

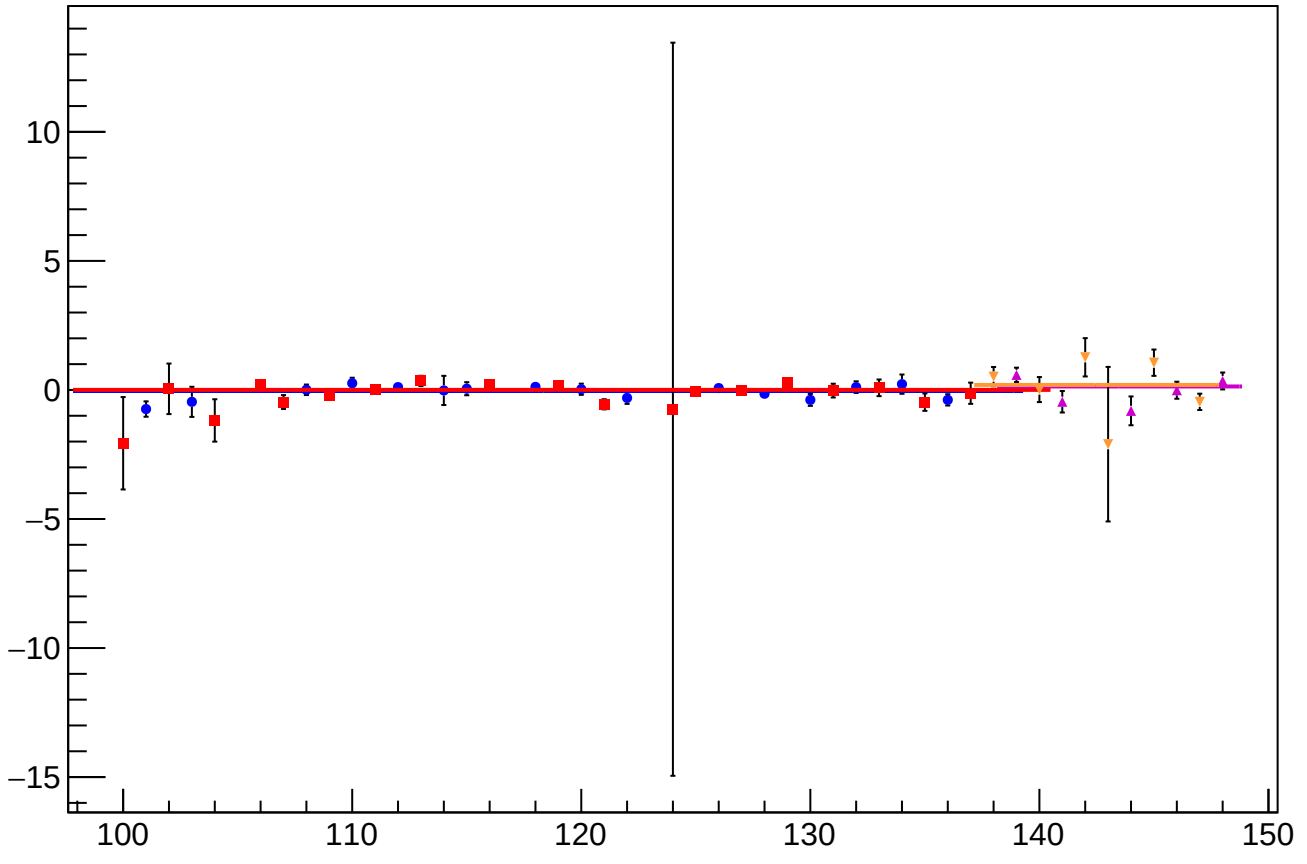
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

+ sign 155.179+/-0.038 χ^2/NDF: 5385604.3/21

All: 145.867+/-0.025 χ^2/NDF: 10828274.7/45

- sign 138.254+/-0.034 χ^2/NDF: 5332922.6/23



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

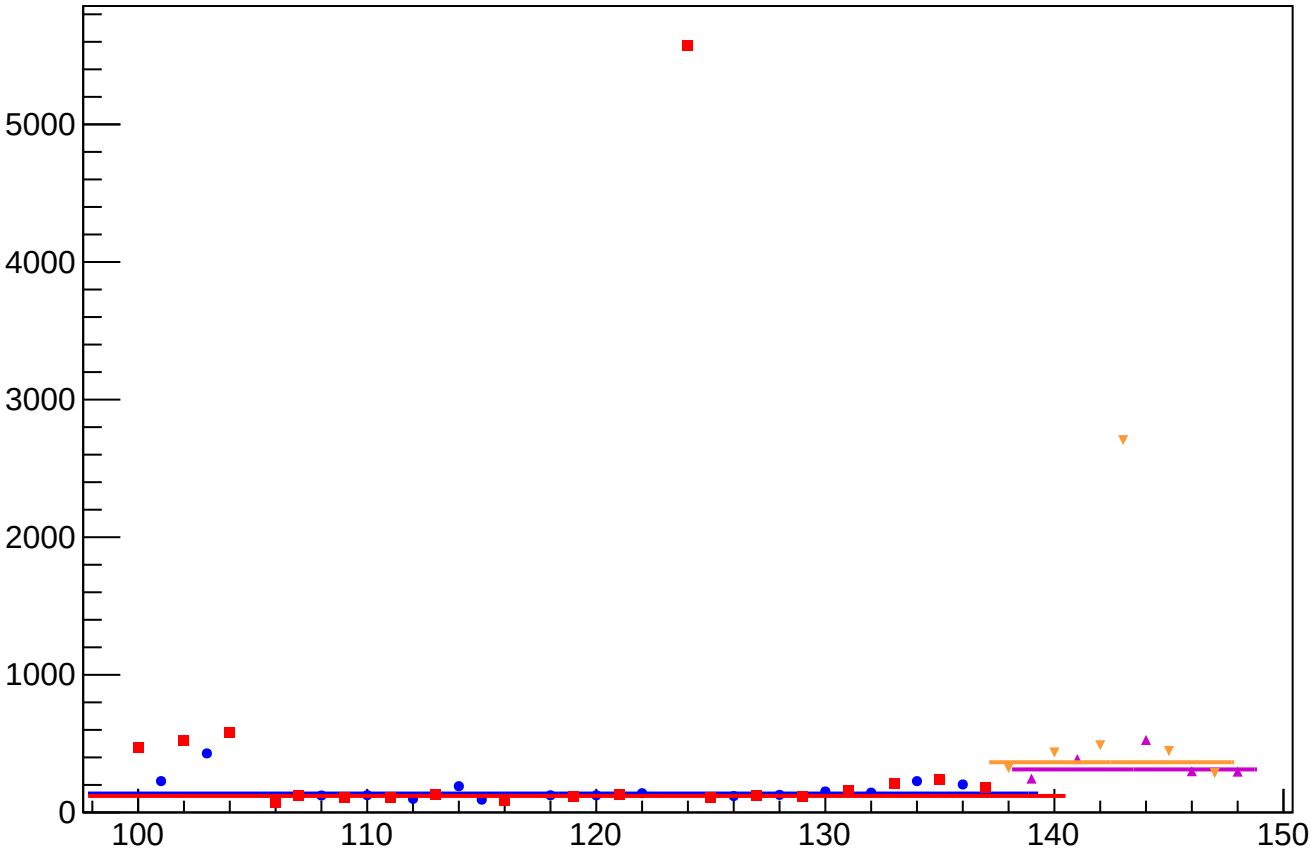
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.021+/-0.054 χ^2/NDF: 30.0/21

All: -0.001+/-0.036 χ^2/NDF: 67.7/45

\- sign 0.015+/-0.048 χ^2/NDF: 37.4/23



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.876+/-0.136 χ^2/NDF:1521542.7/5

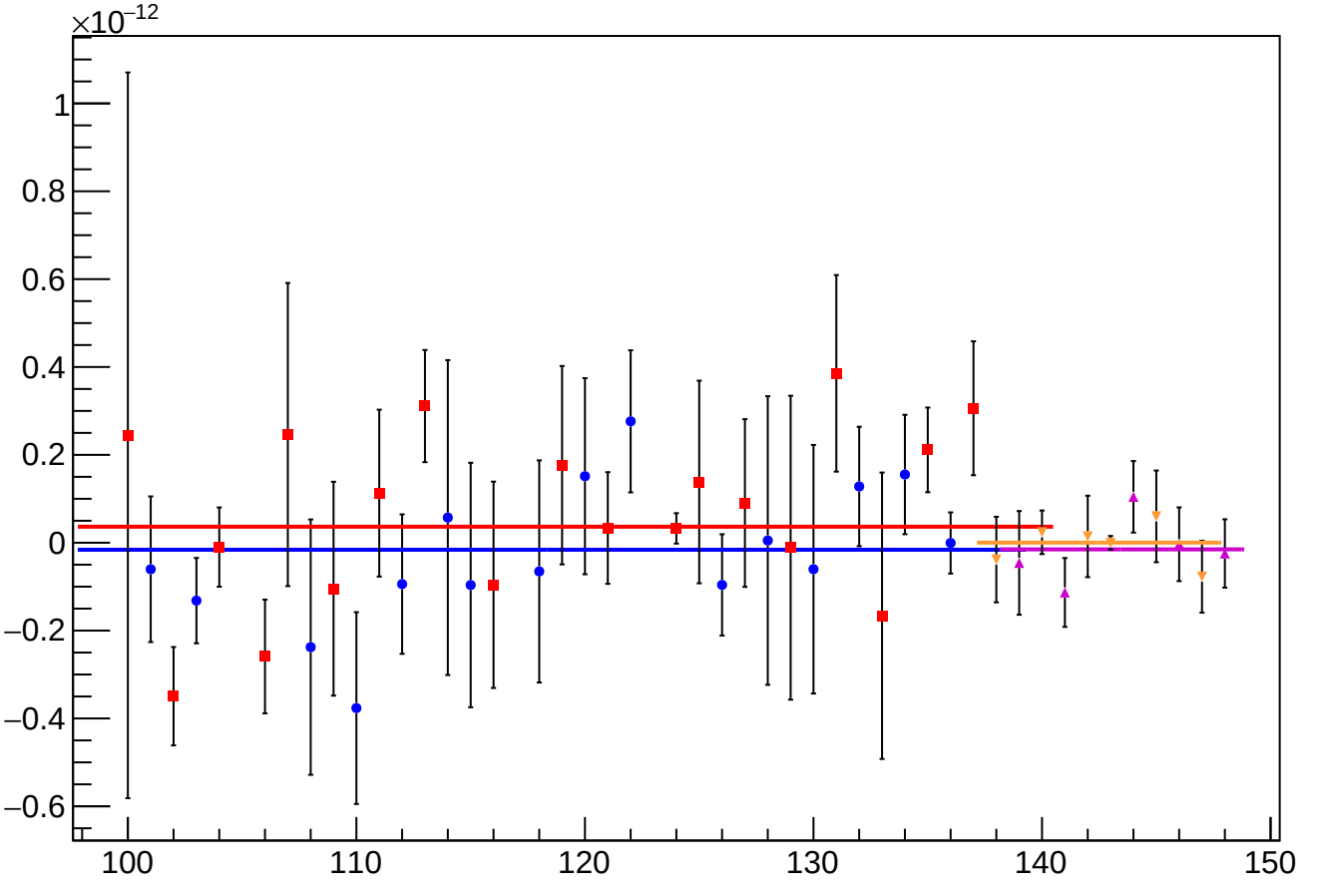
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

+ sign 155.179+/-0.038 χ^2/NDF: 5385604.3/21

All: 145.867+/-0.025 χ^2/NDF: 10828274.7/45

- sign 138.254+/-0.034 χ^2/NDF: 5332922.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/5

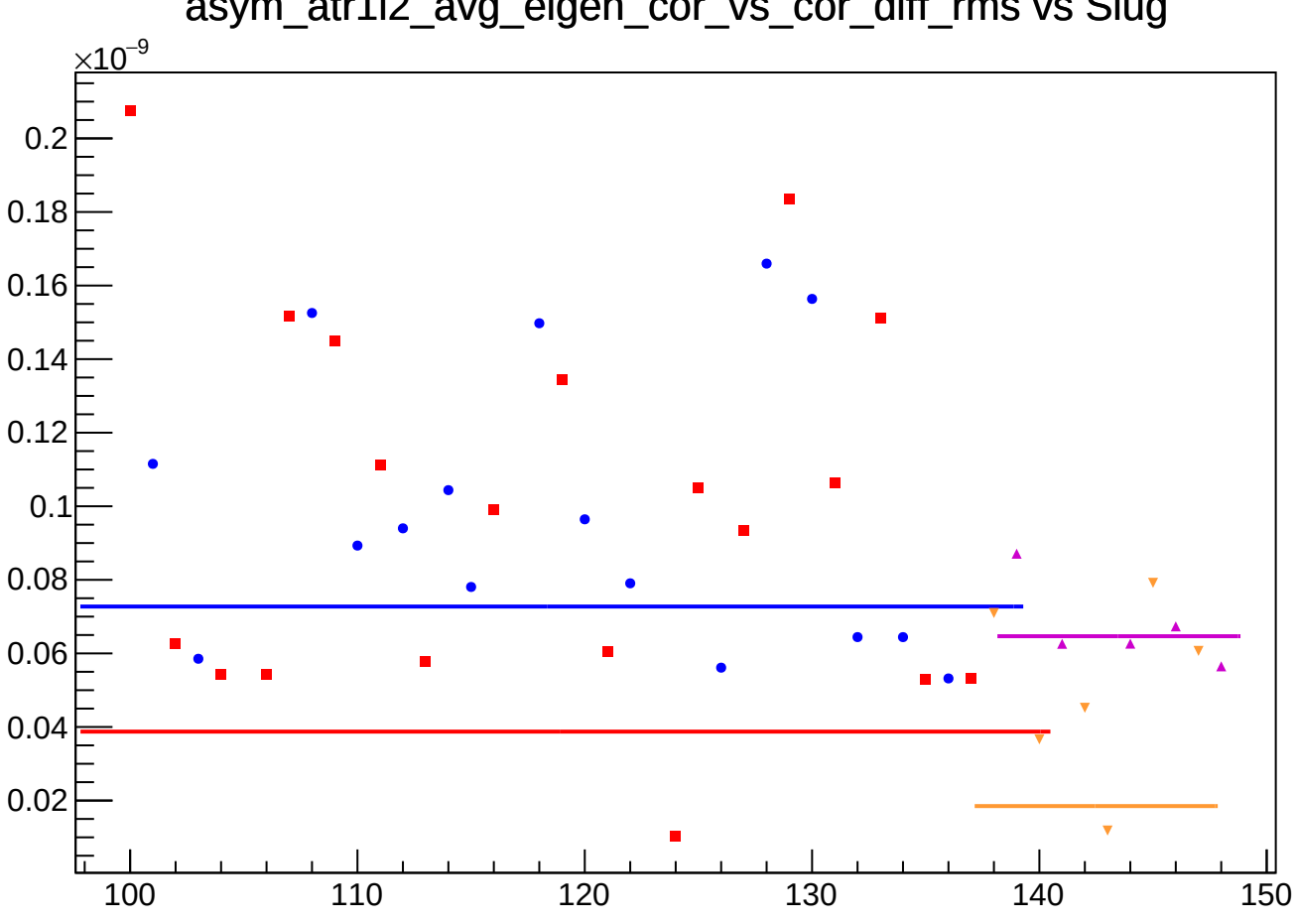
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.1/21

All: 0.000+/-0.000 χ^2/NDF: 53.2/45

- sign 0.000+/-0.000 χ^2/NDF: 38.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592552.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

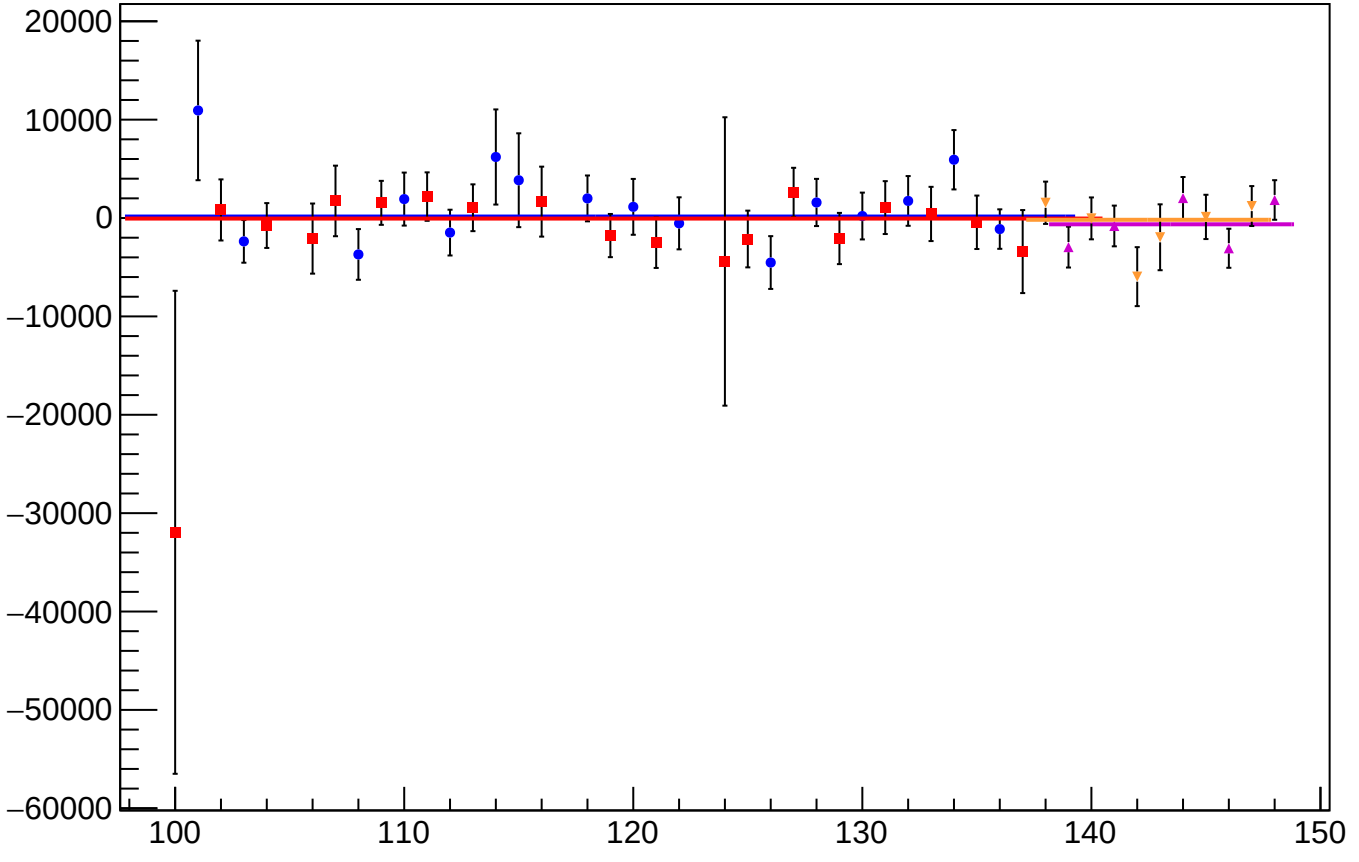
Left In: 0.000+/-0.000 χ^2/NDF:99108.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 7437199.8/21

All: 0.000+/-0.000 χ^2/NDF: 13939544.0/45

- sign 0.000+/-0.000 χ^2/NDF: 5008990.1/23

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

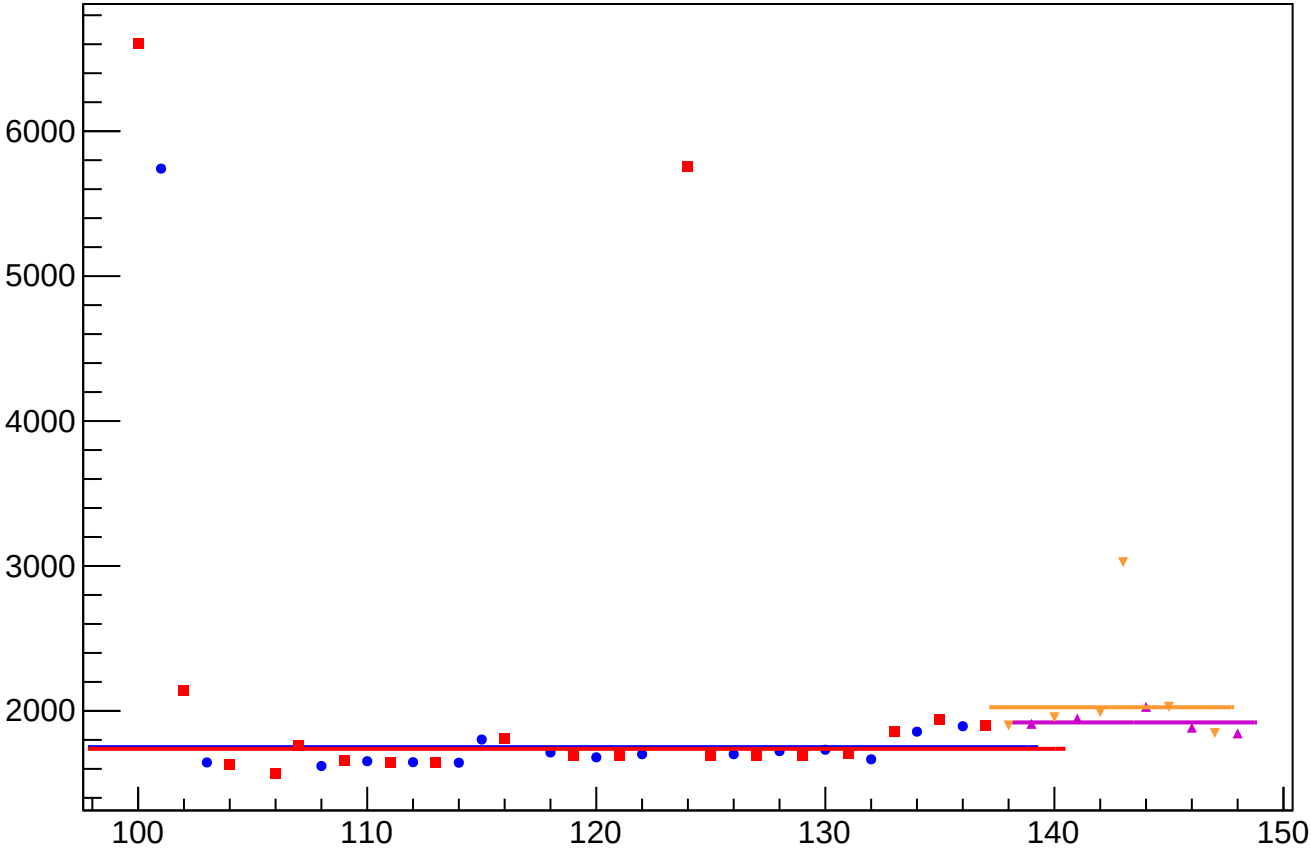
Left In: -637.187+/-918.722 χ^2/NDF:5.8/4

+ sign 43.915+/-548.415 χ^2/NDF: 22.9/21

All: -107.465+/-382.397 χ^2/NDF: 38.1/45

- sign -250.710+/-533.476 χ^2/NDF: 15.1/23

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

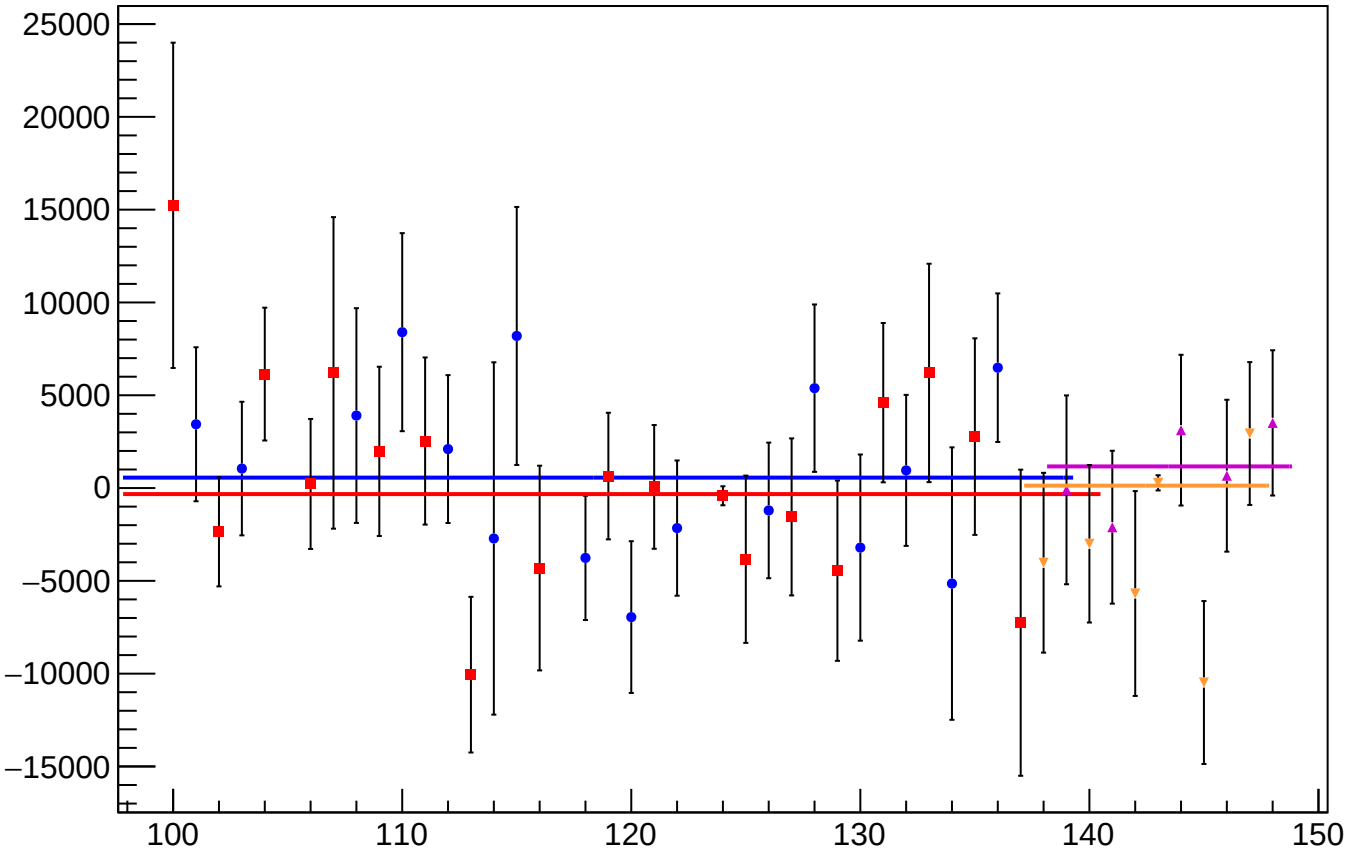
Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.089+/-0.388 χ^2/NDF: 983224.9/21

All: 1818.535+/-0.270 χ^2/NDF: 1354347.1/45

- sign 1799.275+/-0.375 χ^2/NDF: 365680.4/23



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

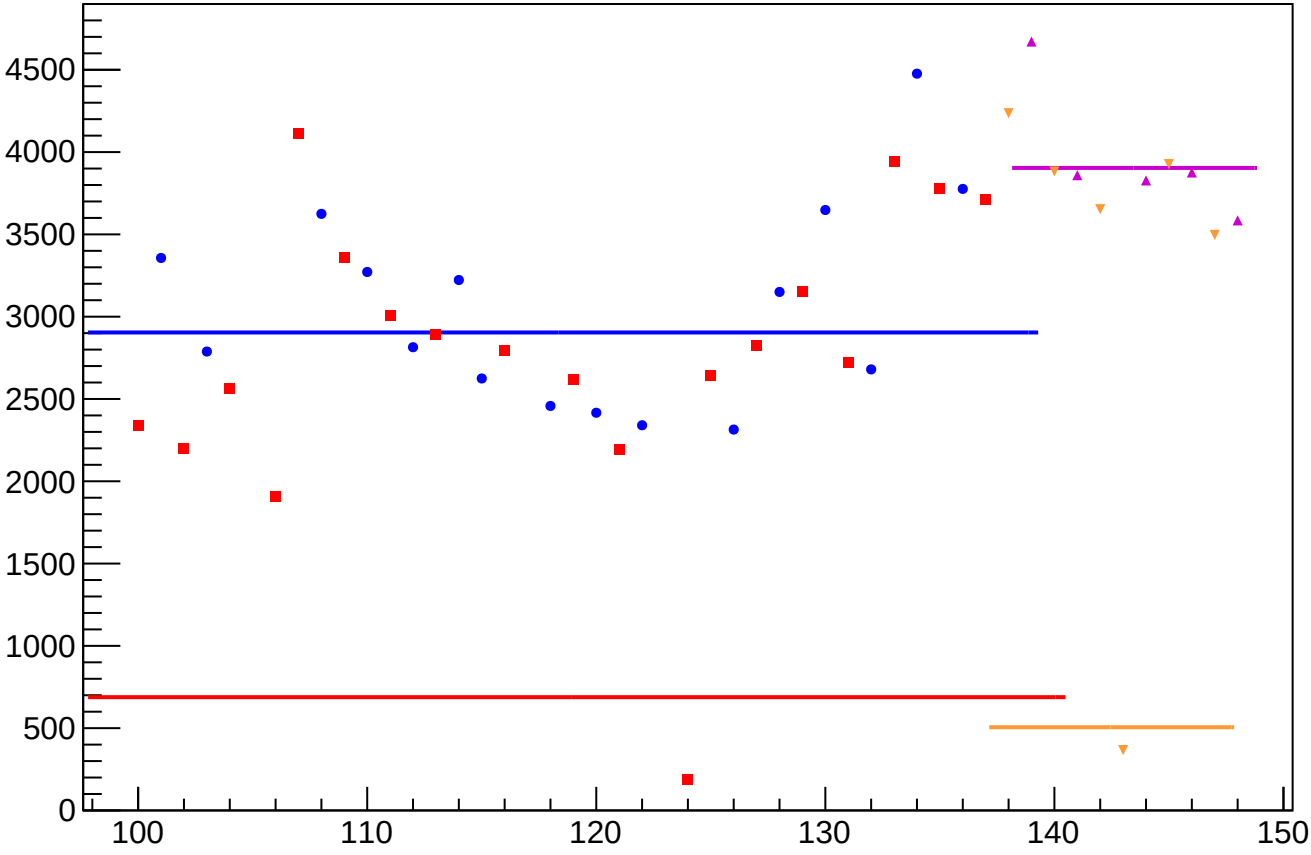
Left In: 1165.477+/-1879.000 χ^2/NDF:1.3/4

+ sign 180.587+/-376.613 χ^2/NDF: 23.8/21

All: 4.205+/-287.457 χ^2/NDF: 45.5/45

- sign -241.966+/-444.925 χ^2/NDF: 21.1/23

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

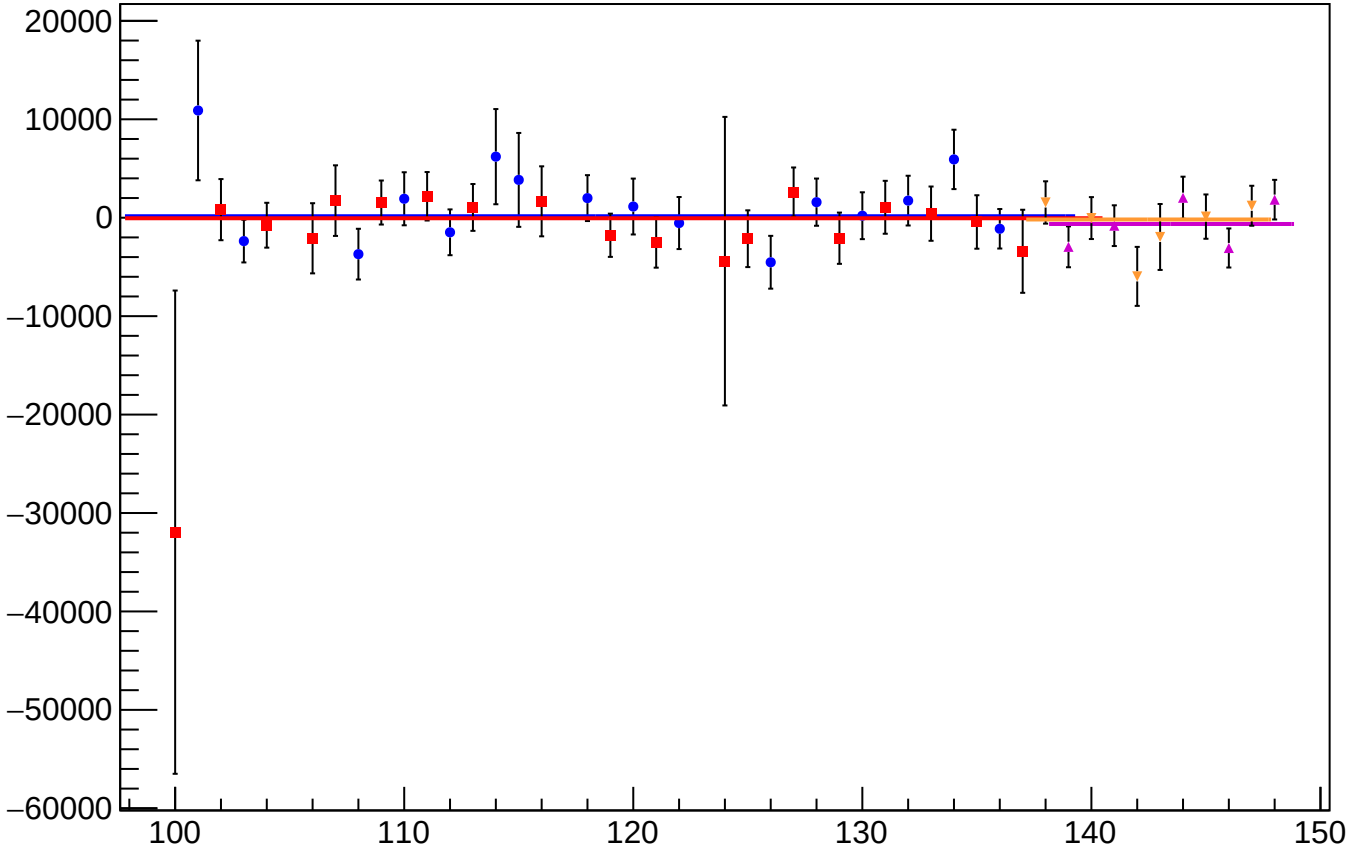
Left In: 3903.755+/-1.329 χ^2/NDF:59842.9/4

+ sign 786.161+/-0.266 χ^2/NDF: 14616150.3/21

All: 820.574+/-0.203 χ^2/NDF: 30393275.7/45

- sign 868.604+/-0.315 χ^2/NDF: 15737119.7/23

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

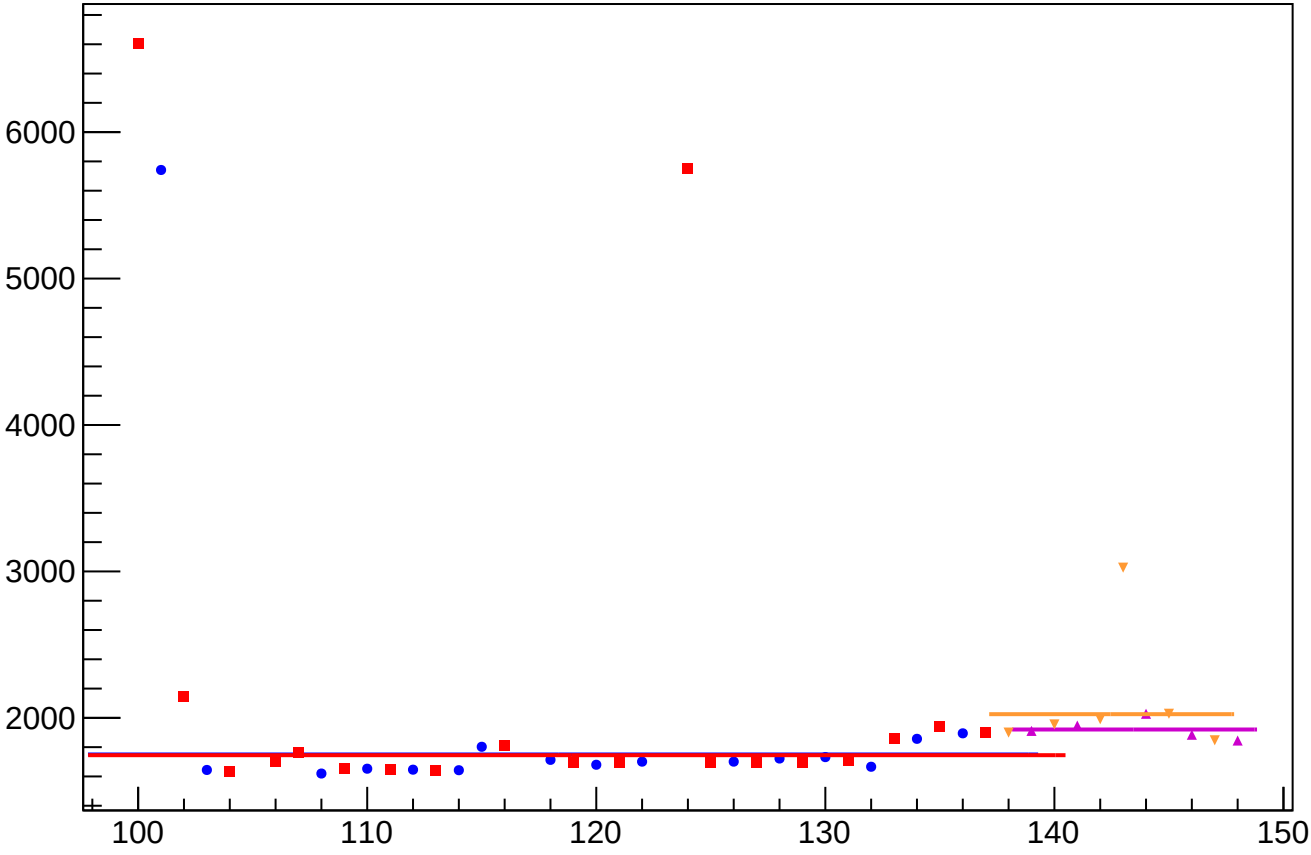
Left In: -637.227+/-918.722 χ^2/NDF:5.8/4

+ sign 43.548+/-548.415 χ^2/NDF: 22.9/21

All: -107.668+/-382.397 χ^2/NDF: 38.1/45

- sign -250.757+/-533.476 χ^2/NDF: 15.1/23

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

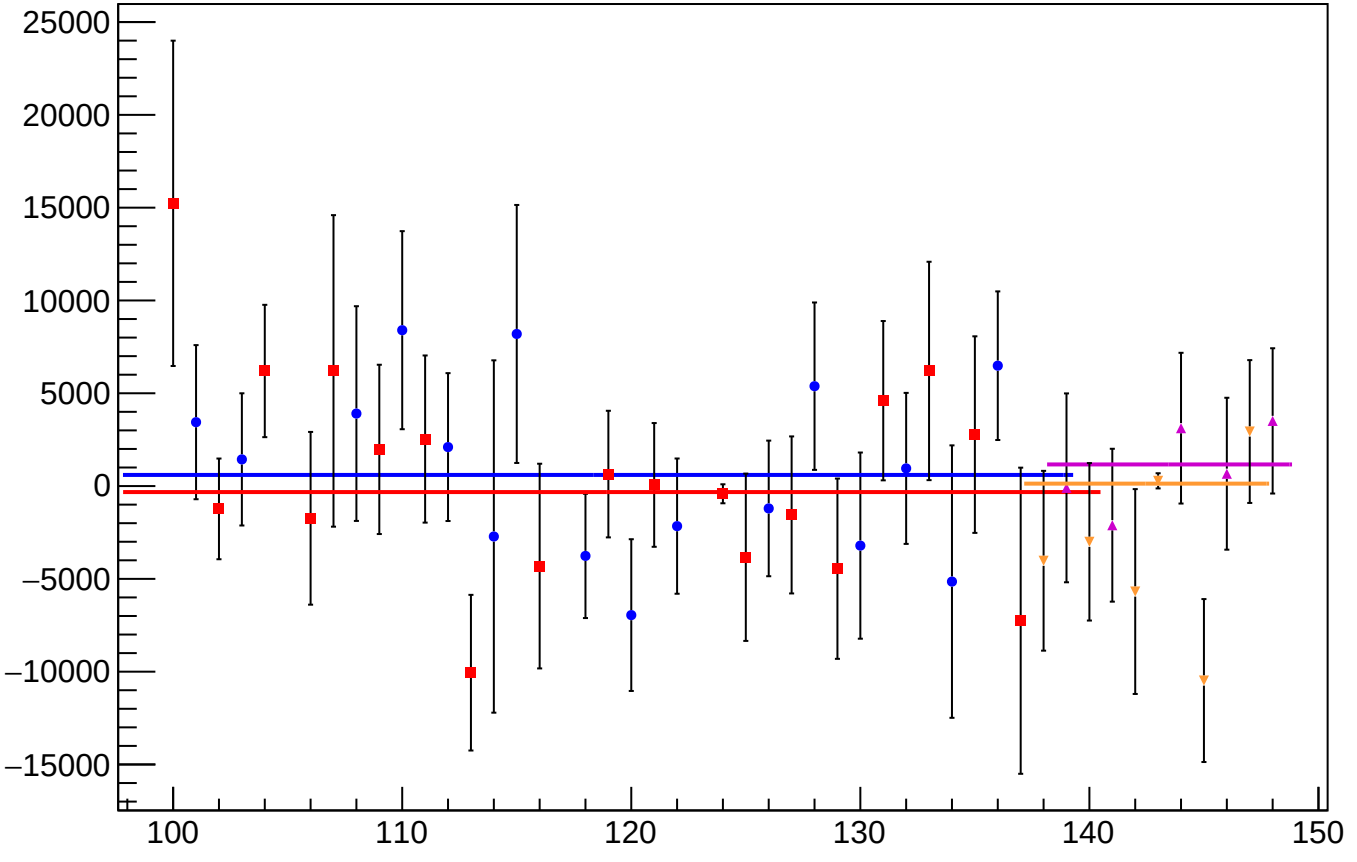
Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.088+/-0.388 χ^2/NDF: 983225.4/21

All: 1821.025+/-0.270 χ^2/NDF: 1342710.6/45

- sign 1804.017+/-0.376 χ^2/NDF: 355272.4/23

asym_atr1l2_dd_cor_correction_mean vs Slug



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

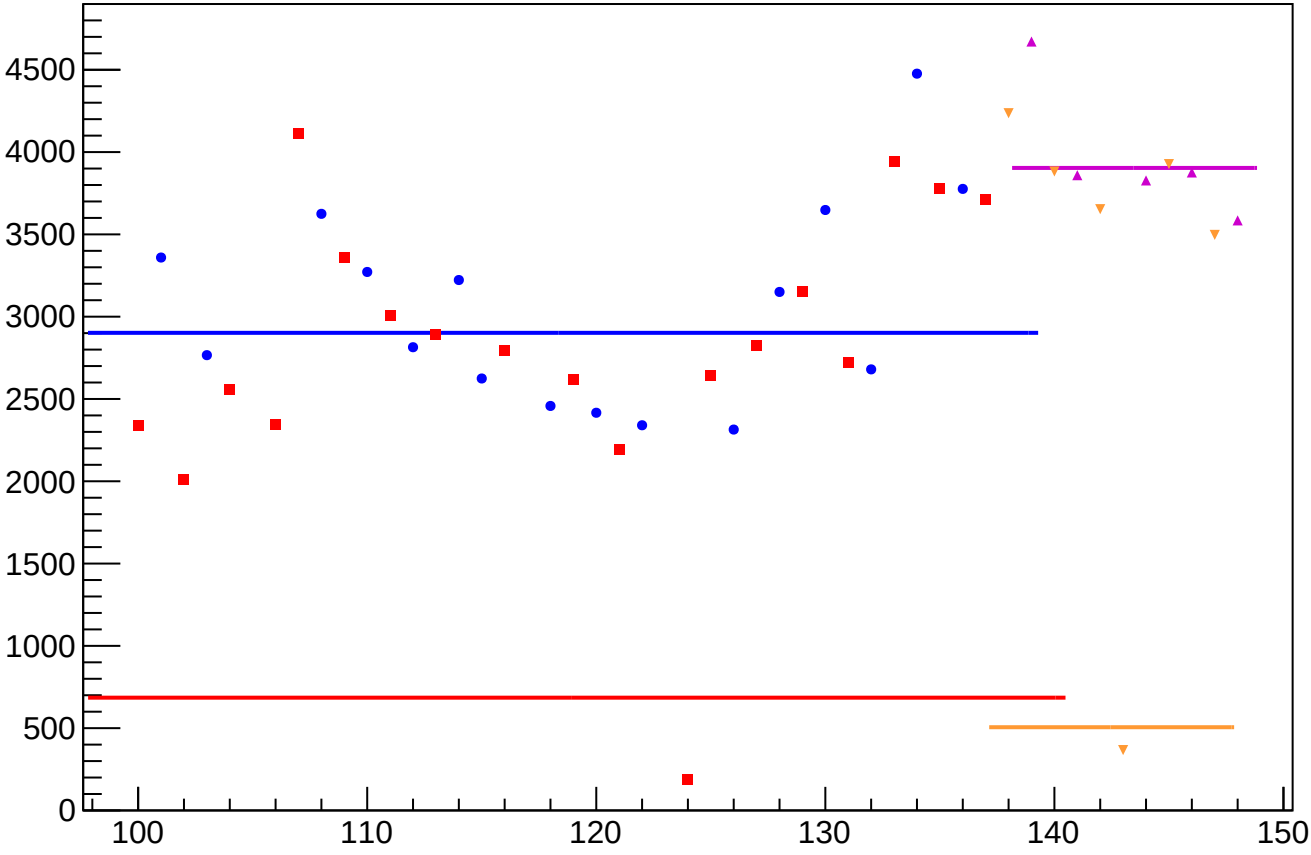
Left In: 1165.523+/-1878.997 χ^2/NDF:1.3/4

+ sign 185.983+/-376.600 χ^2/NDF: 23.9/21

All: 8.824+/-287.677 χ^2/NDF: 45.3/45

- sign -239.380+/-445.763 χ^2/NDF: 20.9/23

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

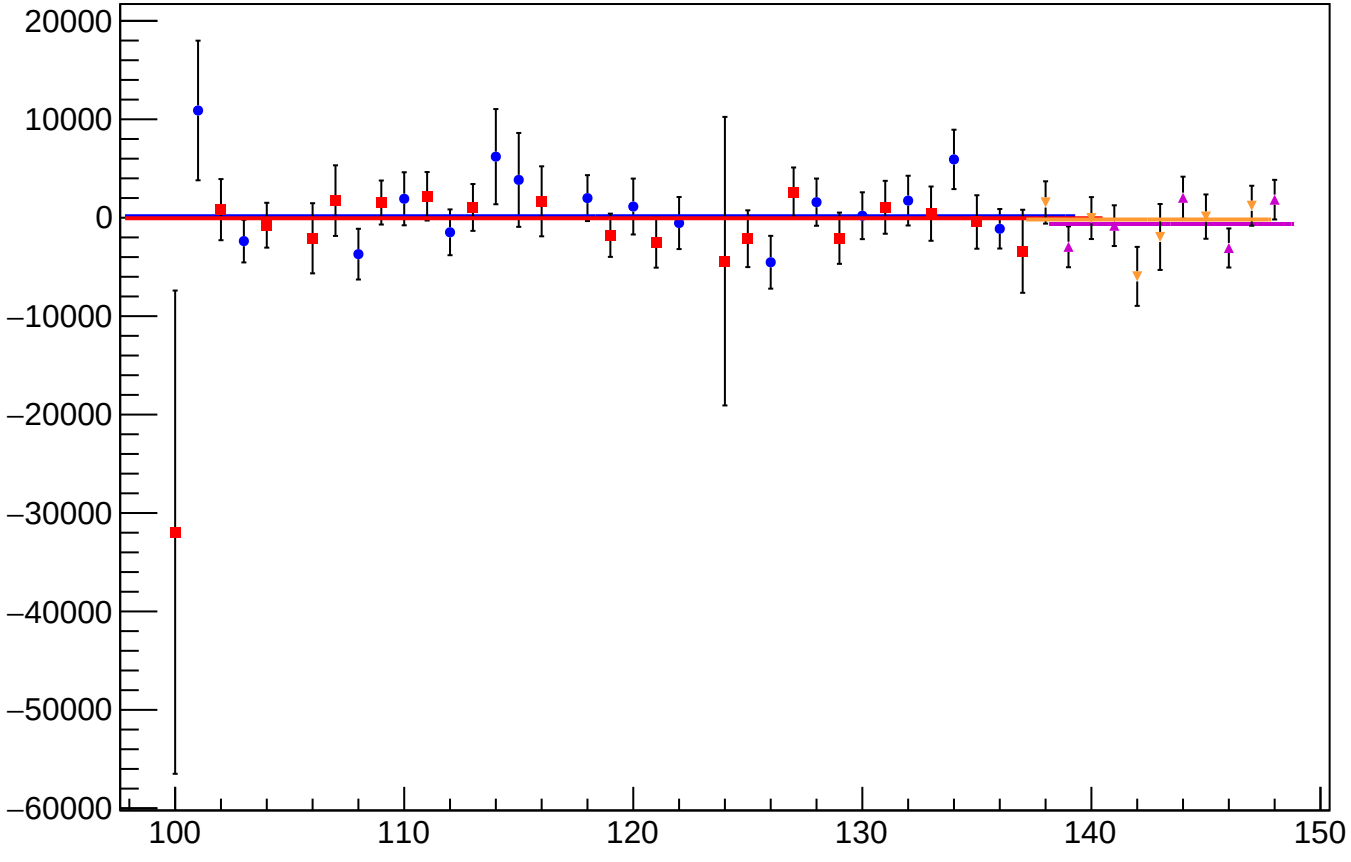
Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

+ sign 786.468+/-0.266 χ^2/NDF: 14615109.4/21

All: 819.757+/-0.203 χ^2/NDF: 30355920.6/45

- sign 866.394+/-0.315 χ^2/NDF: 15703292.8/23

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

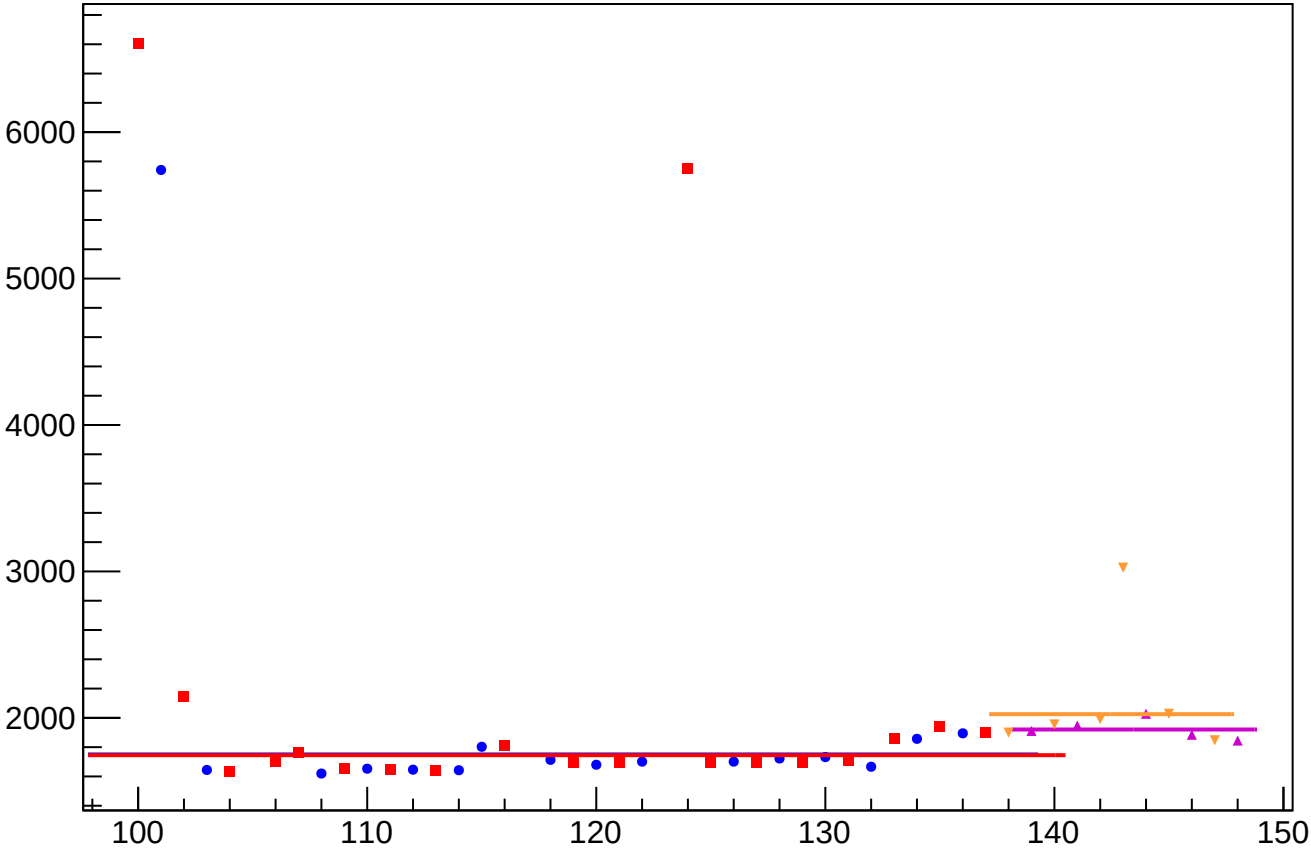
Left In: -637.227+/-918.722 χ^2/NDF:5.8/4

+ sign 43.548+/-548.415 χ^2/NDF: 22.9/21

All: -107.668+/-382.397 χ^2/NDF: 38.1/45

- sign -250.757+/-533.476 χ^2/NDF: 15.1/23

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

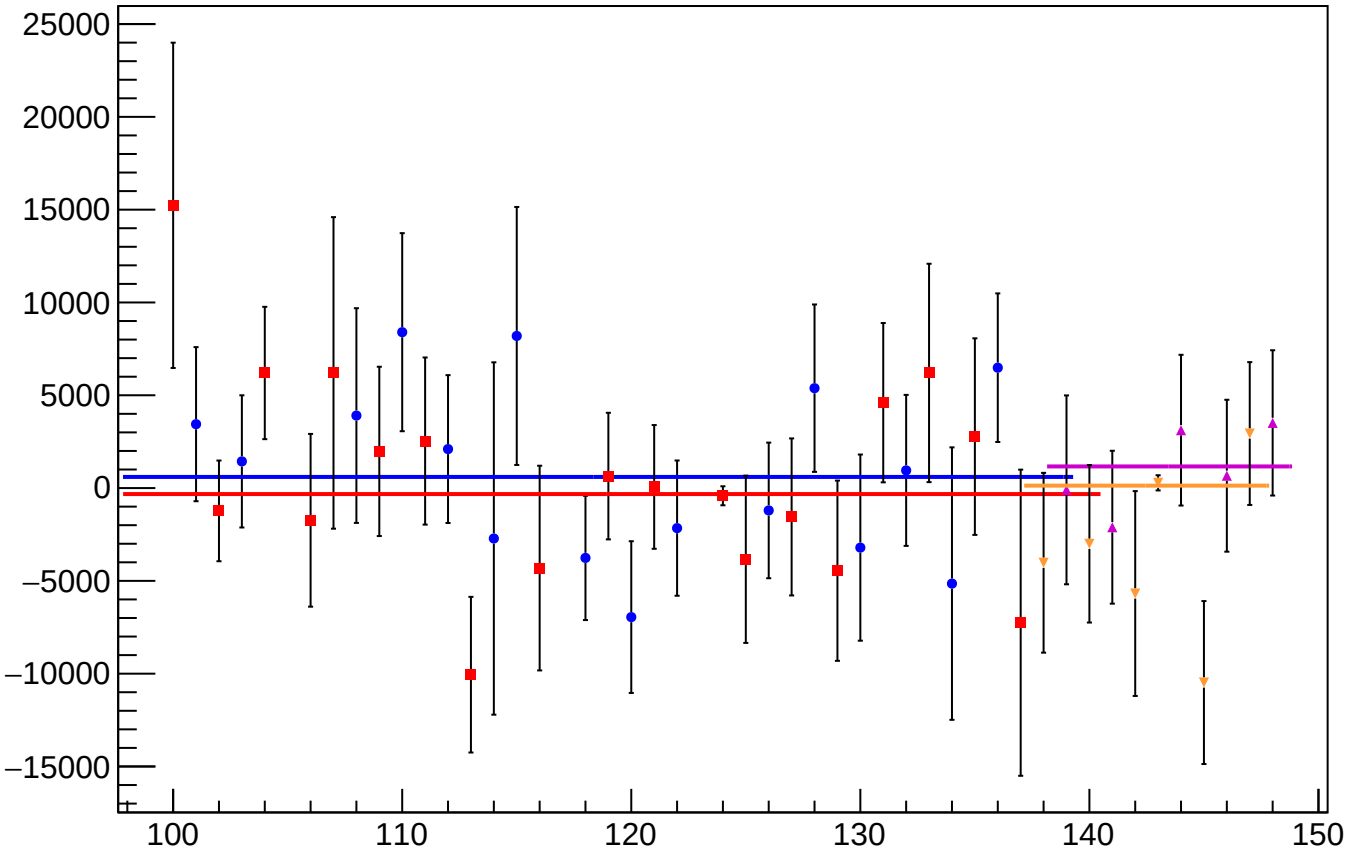
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.088+/-0.388 χ^2/NDF: 983225.4/21

All: 1821.025+/-0.270 χ^2/NDF: 1342710.6/45

- sign 1804.017+/-0.376 χ^2/NDF: 355272.4/23



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

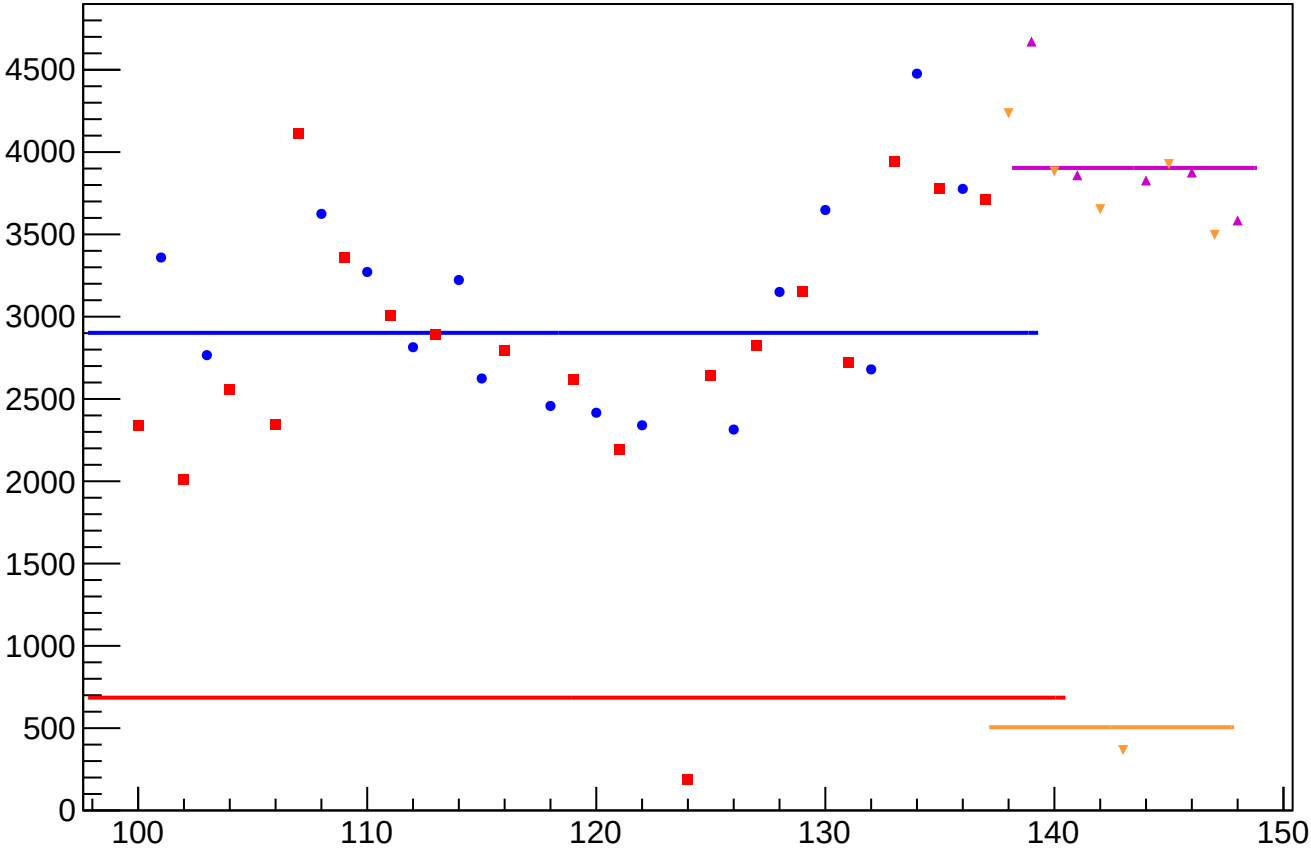
Left In: 1165.523+/-1878.997 χ^2/NDF:1.3/4

+ sign 185.983+/-376.600 χ^2/NDF: 23.9/21

All: 8.824+/-287.677 χ^2/NDF: 45.3/45

- sign -239.380+/-445.763 χ^2/NDF: 20.9/23

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

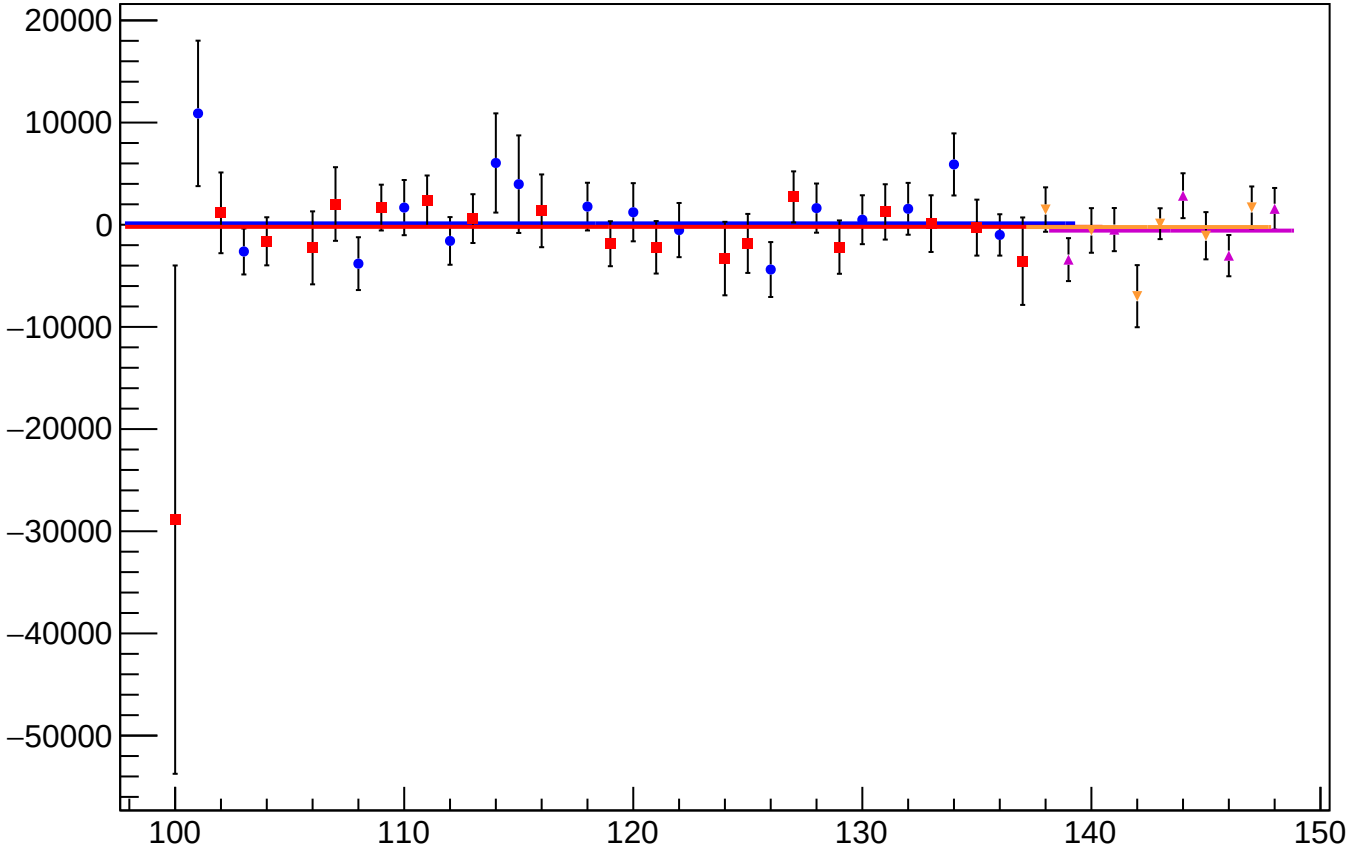
Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

+ sign 786.468+/-0.266 χ^2/NDF: 14615109.4/21

All: 819.757+/-0.203 χ^2/NDF: 30355920.6/45

- sign 866.394+/-0.315 χ^2/NDF: 15703292.8/23

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

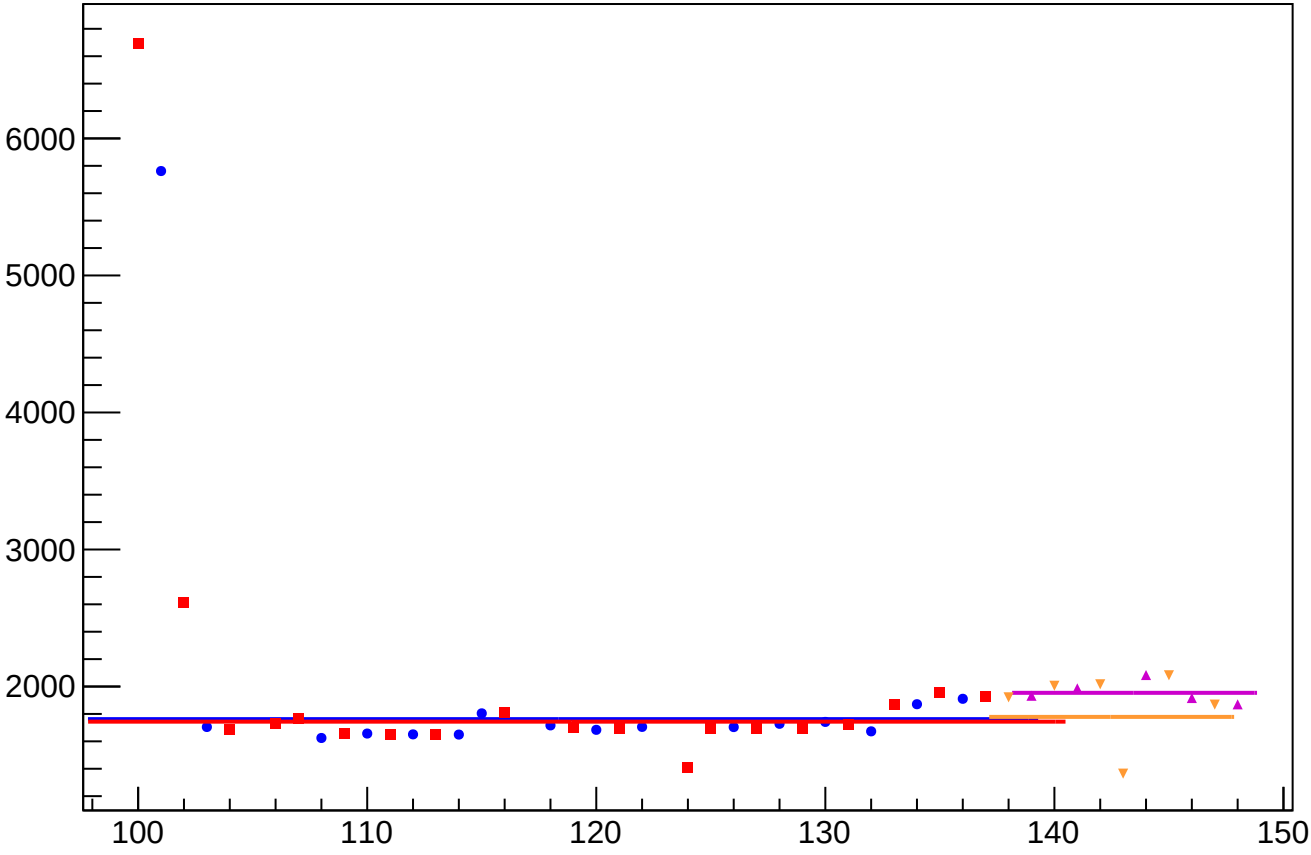
Left In: -574.580+/-934.976 χ^2/NDF:6.8/4

+ sign -4.890+/-526.384 χ^2/NDF: 24.0/21

All: -162.893+/-375.616 χ^2/NDF: 40.9/45

- sign -326.814+/-536.152 χ^2/NDF: 16.6/23

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

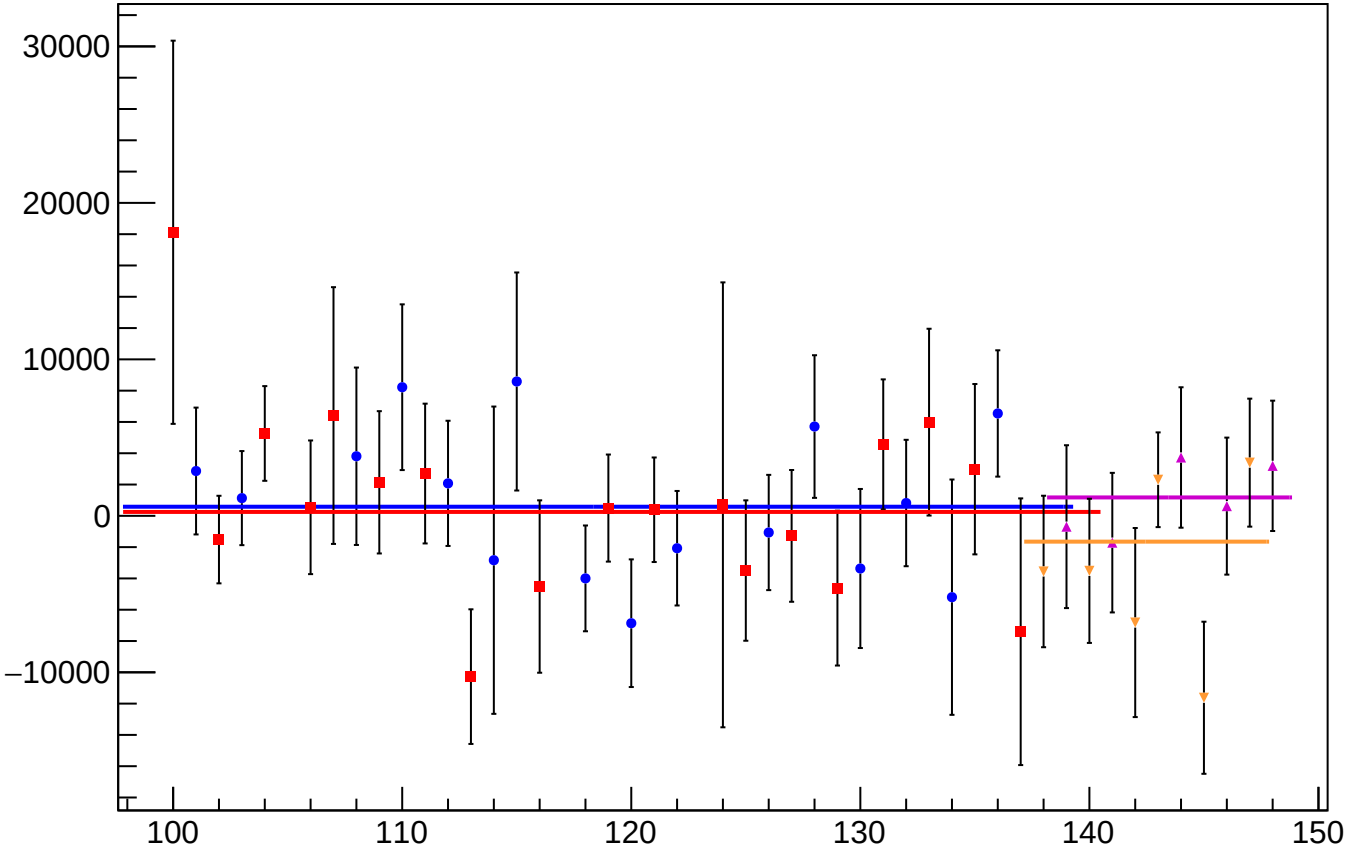
Left In: 1954.053+/-0.661 χ^2/NDF:11774.0/4

+ sign 1768.365+/-0.372 χ^2/NDF: 899489.7/21

All: 1790.128+/-0.265 χ^2/NDF: 1214036.7/45

- sign 1812.619+/-0.378 χ^2/NDF: 307595.0/23

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

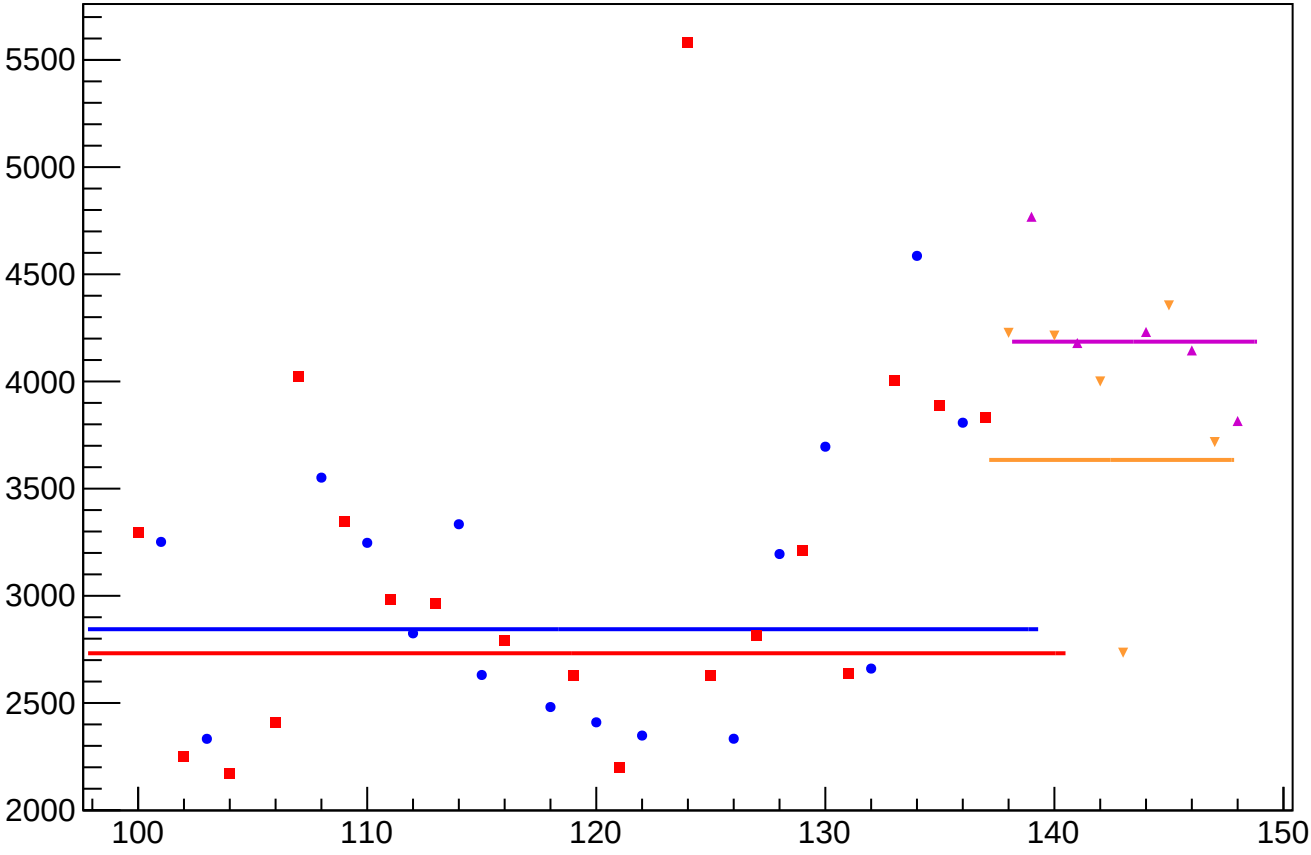
Left In: 1176.113+/-2013.452 χ^2/NDF:1.1/4

+ sign -37.031+/-919.223 χ^2/NDF: 24.5/21

All: 203.531+/-646.927 χ^2/NDF: 43.9/45

- sign 439.613+/-910.622 χ^2/NDF: 19.2/23

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

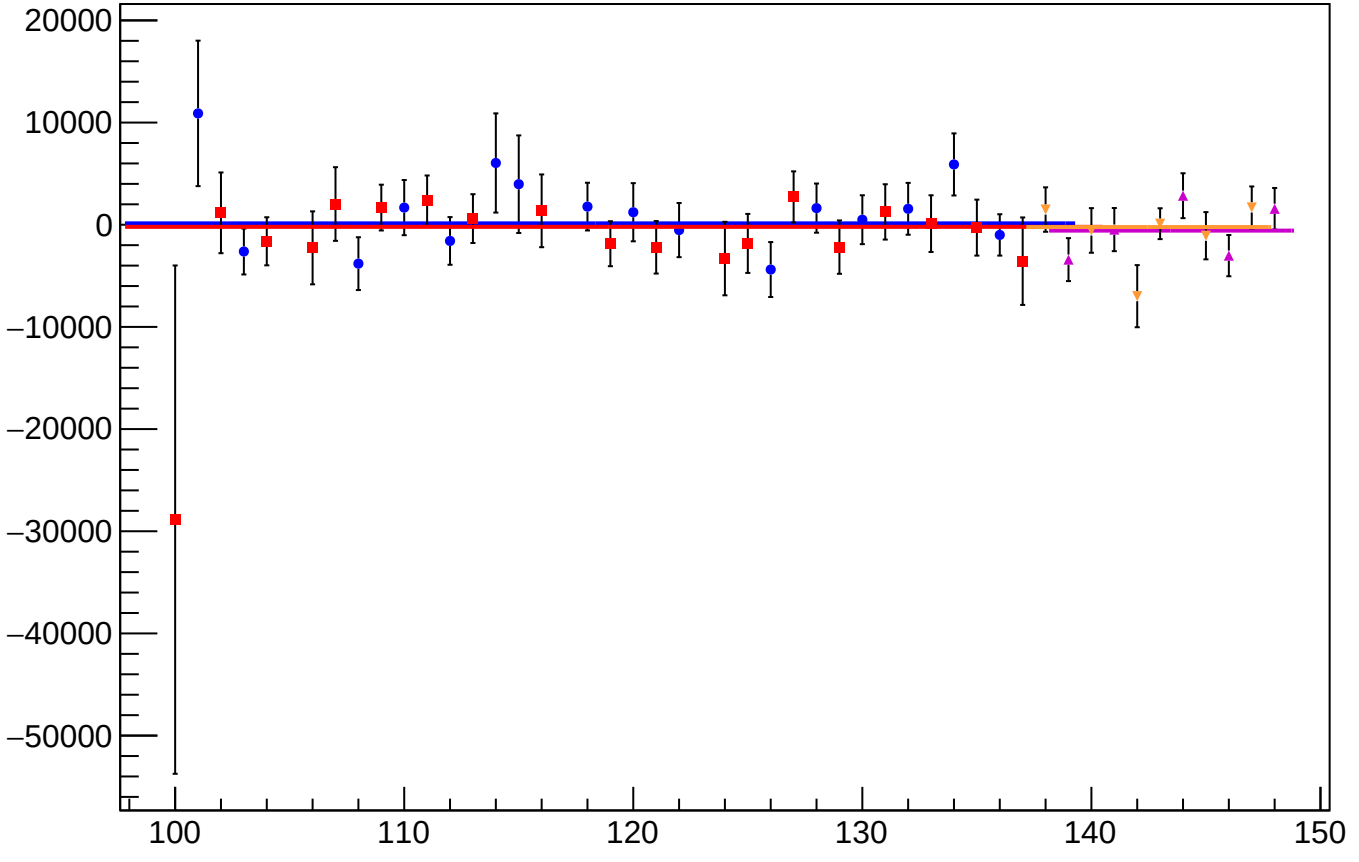
Left In: 4185.660+/-1.424 χ^2/NDF:41258.9/4

+ sign 3063.371+/-0.650 χ^2/NDF: 1128552.6/21

All: 3046.188+/-0.457 χ^2/NDF: 2611750.2/45

- sign 3029.324+/-0.644 χ^2/NDF: 1481812.8/23

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

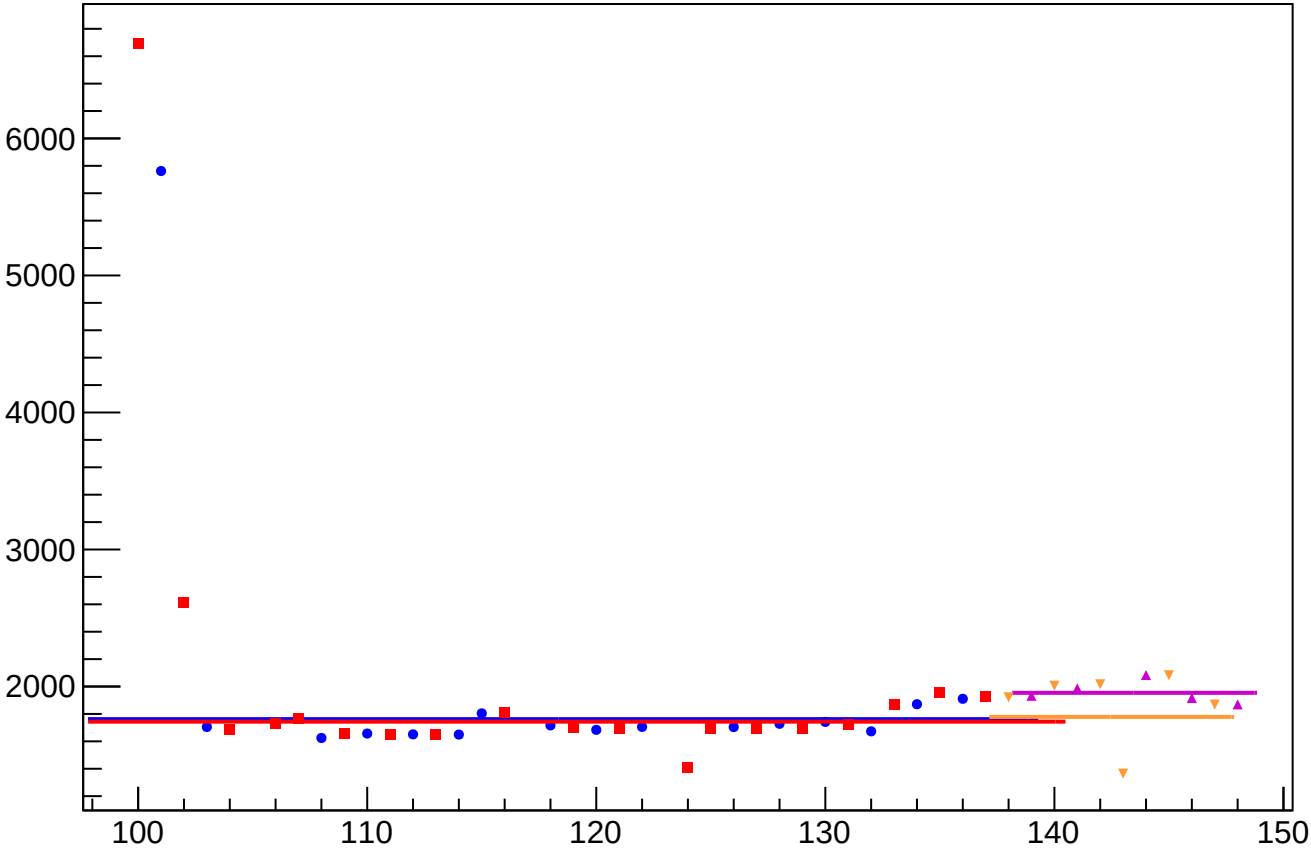
Left In: -574.576+/-934.977 χ^2/NDF:6.8/4

+ sign -4.895+/-526.384 χ^2/NDF: 24.0/21

All: -162.894+/-375.616 χ^2/NDF: 40.9/45

- sign -326.812+/-536.152 χ^2/NDF: 16.6/23

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

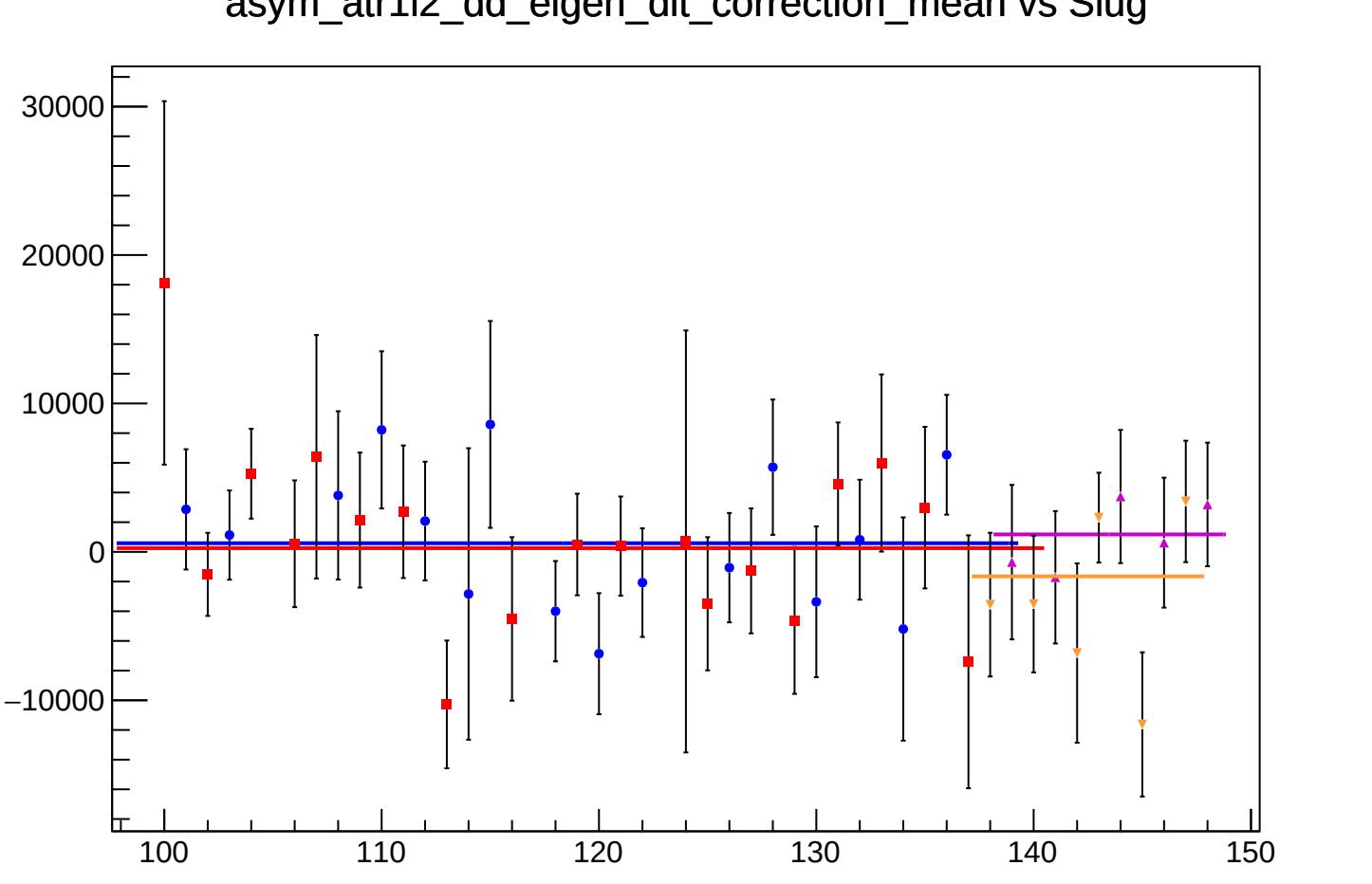
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1954.054+/-0.661 χ^2/NDF:11774.2/4

+ sign 1768.365+/-0.372 χ^2/NDF: 899490.6/21

All: 1790.128+/-0.265 χ^2/NDF: 1214038.3/45

- sign 1812.619+/-0.378 χ^2/NDF: 307595.7/23



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

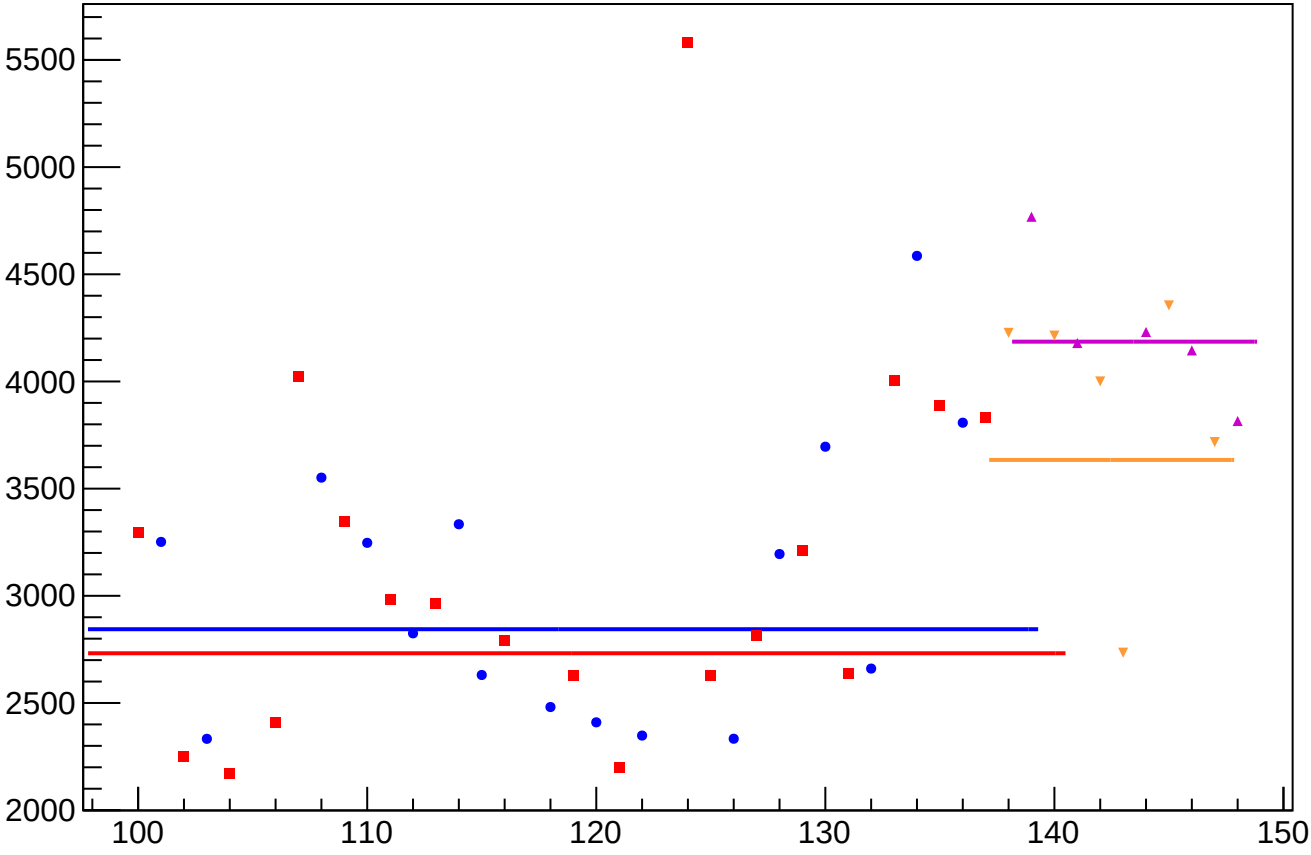
Left In: 1176.115+/-2013.456 χ^2/NDF:1.1/4

+ sign -37.030+/-919.222 χ^2/NDF: 24.5/21

All: 203.531+/-646.926 χ^2/NDF: 43.9/45

- sign 439.612+/-910.621 χ^2/NDF: 19.2/23

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

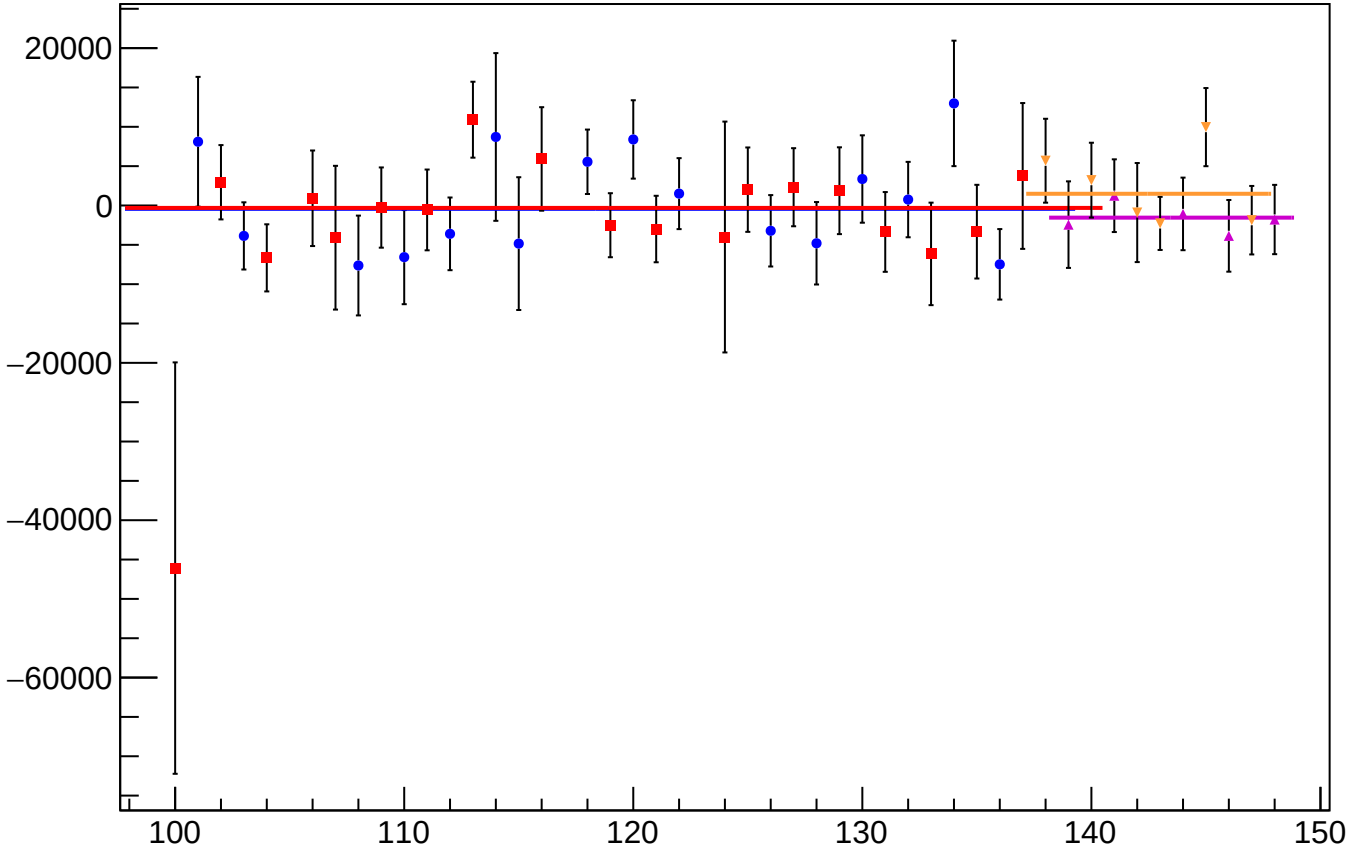
Left In: 4185.666+/-1.424 χ^2/NDF:41260.3/4

+ sign 3063.366+/-0.650 χ^2/NDF: 1128569.0/21

All: 3046.182+/-0.457 χ^2/NDF: 2611777.7/45

- sign 3029.319+/-0.644 χ^2/NDF: 1481823.9/23

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

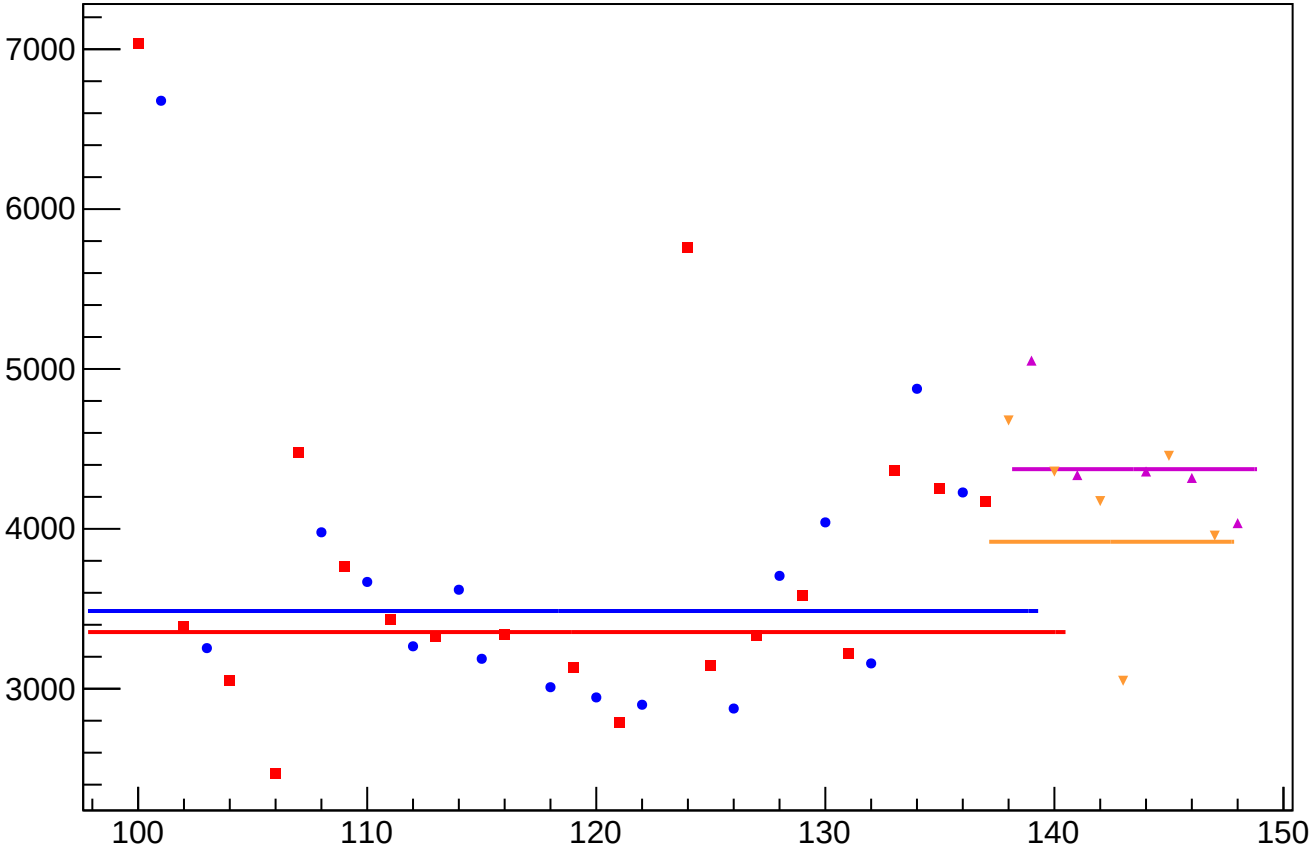
Left In: -1545.155+/-2100.439 χ^2/NDF:0.7/4

+ sign 216.874+/-1082.529 χ^2/NDF: 24.2/21

All: -209.097+/-768.218 χ^2/NDF: 40.7/45

- sign -641.256+/-1090.364 χ^2/NDF: 16.2/23

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

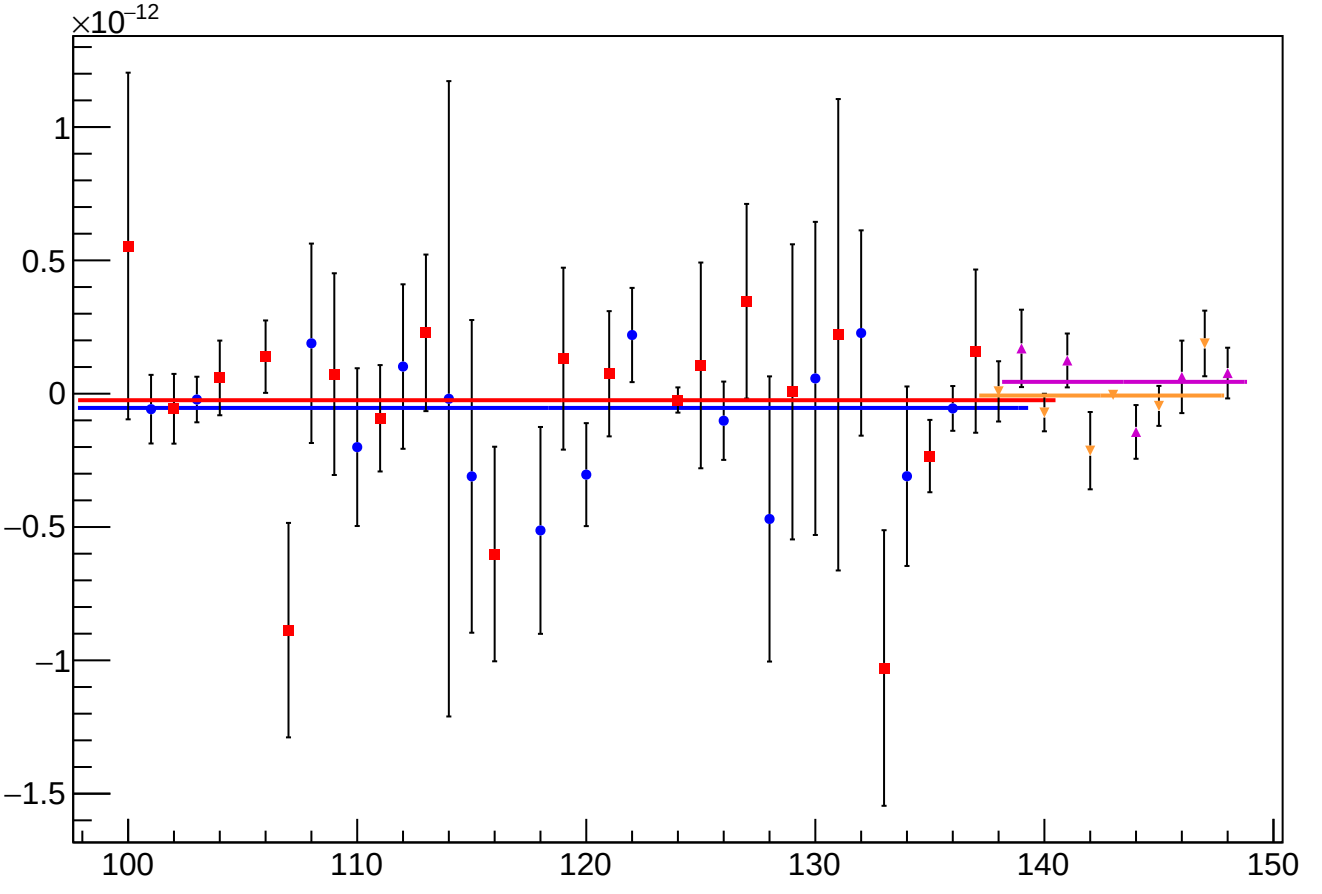
Left In: 4373.369+/-1.485 χ^2/NDF:42658.2/4

+ sign 3631.160+/-0.765 χ^2/NDF: 884145.5/21

All: 3627.274+/-0.540 χ^2/NDF: 1649695.1/45

- sign 3623.413+/-0.763 χ^2/NDF: 765498.2/23

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

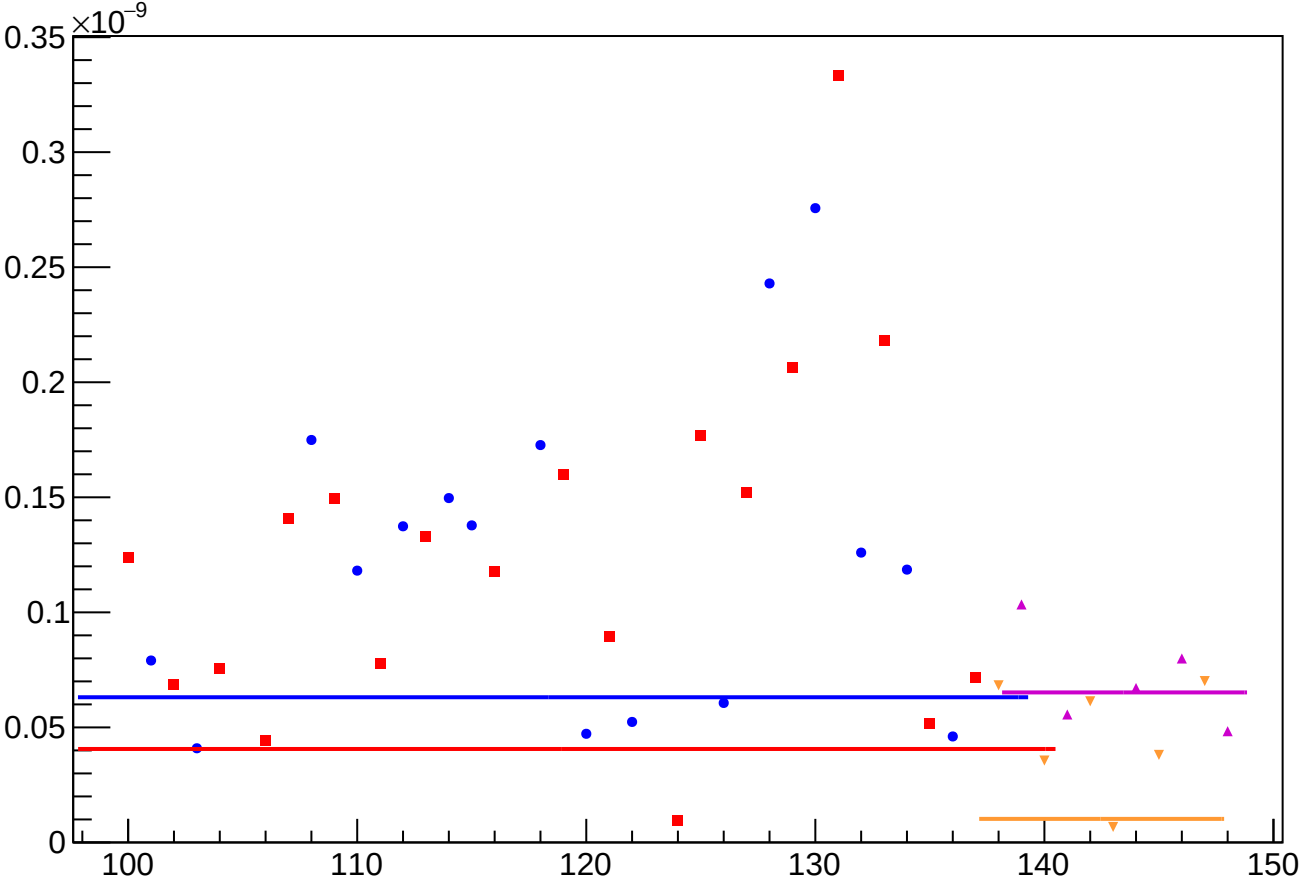
Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 15.3/21

All: -0.000+/-0.000 χ^2/NDF: 40.0/45

- sign -0.000+/-0.000 χ^2/NDF: 24.6/23

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1931857.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

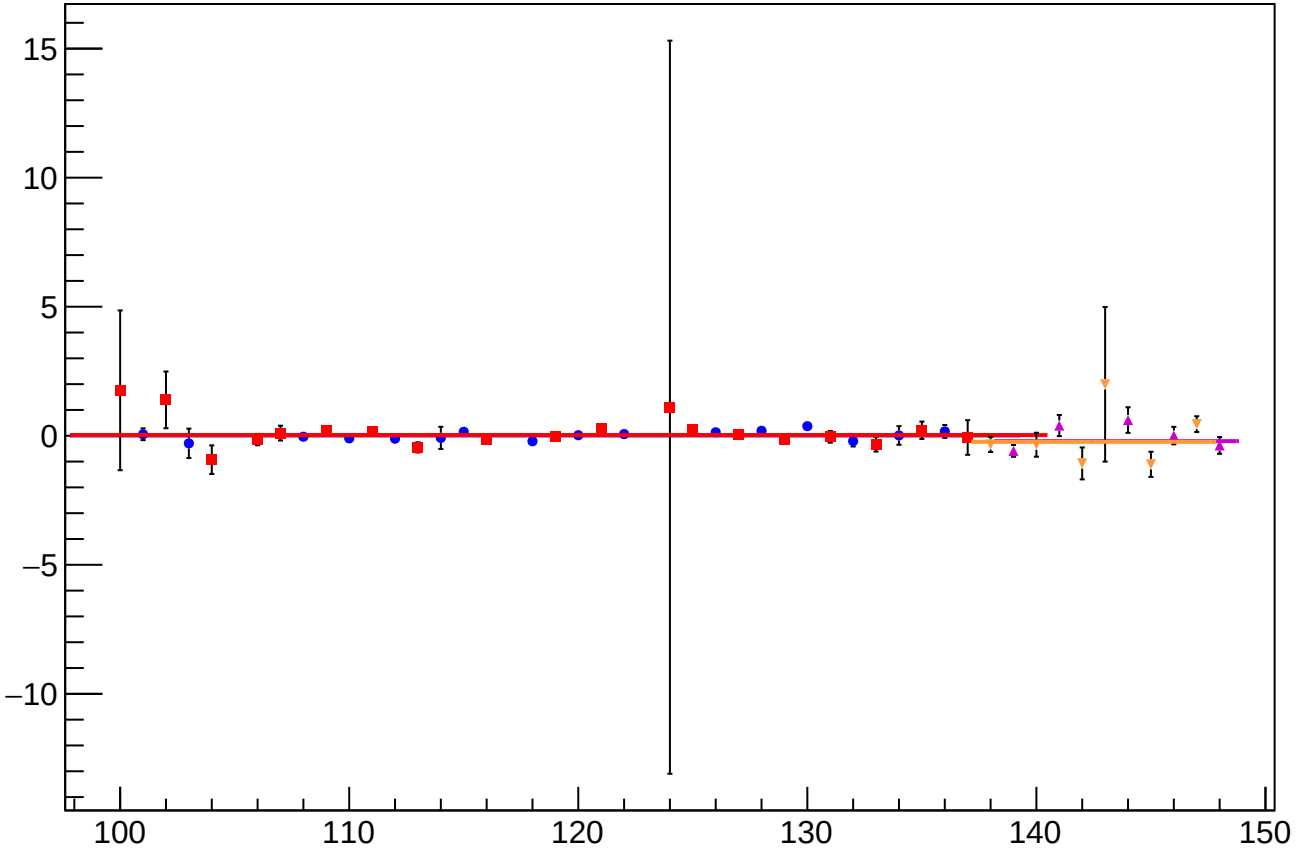
Left In: 0.000+/-0.000 χ^2/NDF:243942.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 5988511.4/21

All: 0.000+/-0.000 χ^2/NDF: 12233218.1/45

- sign 0.000+/-0.000 χ^2/NDF: 3740791.7/23

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

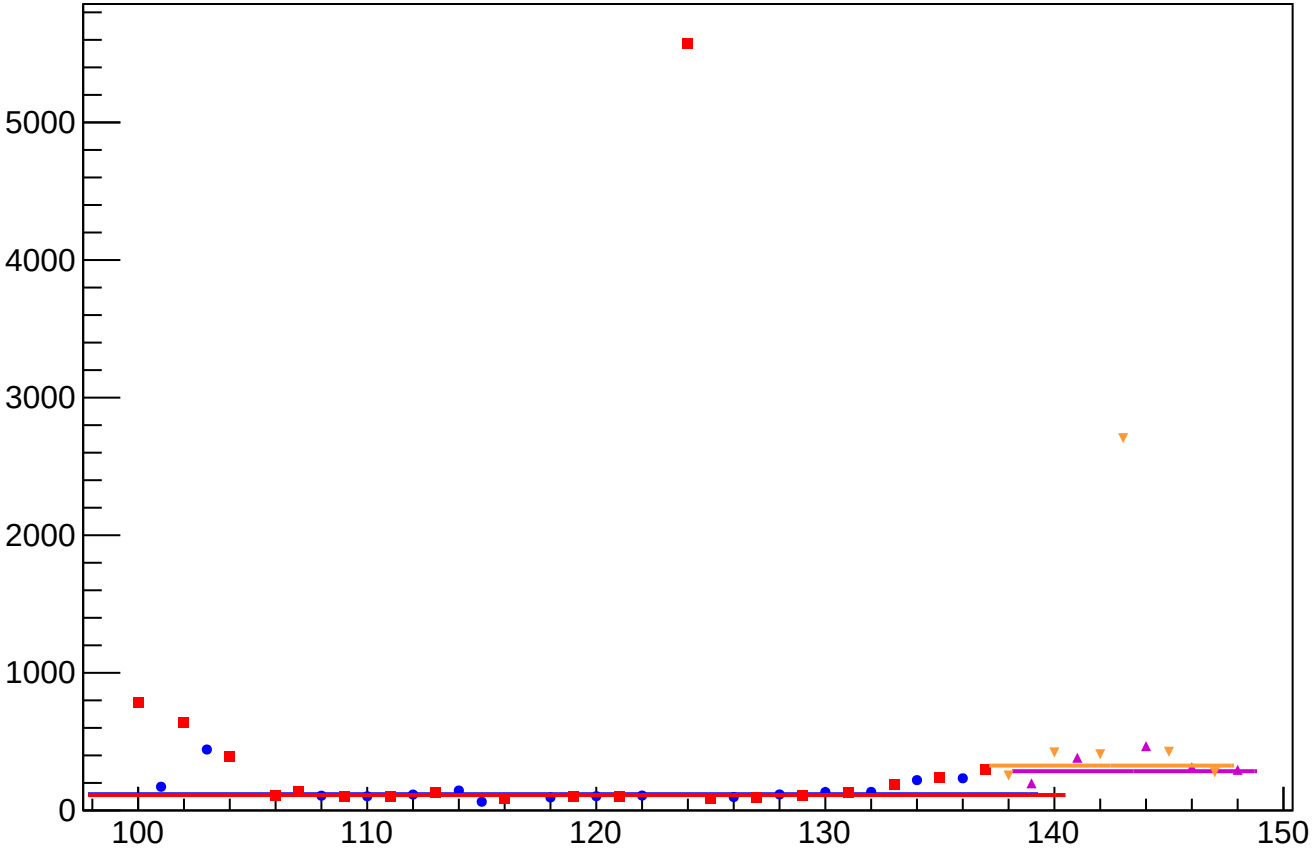
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.001+/-0.032 χ^2/NDF: 57.2/45

- sign 0.004+/-0.045 χ^2/NDF: 32.7/23

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

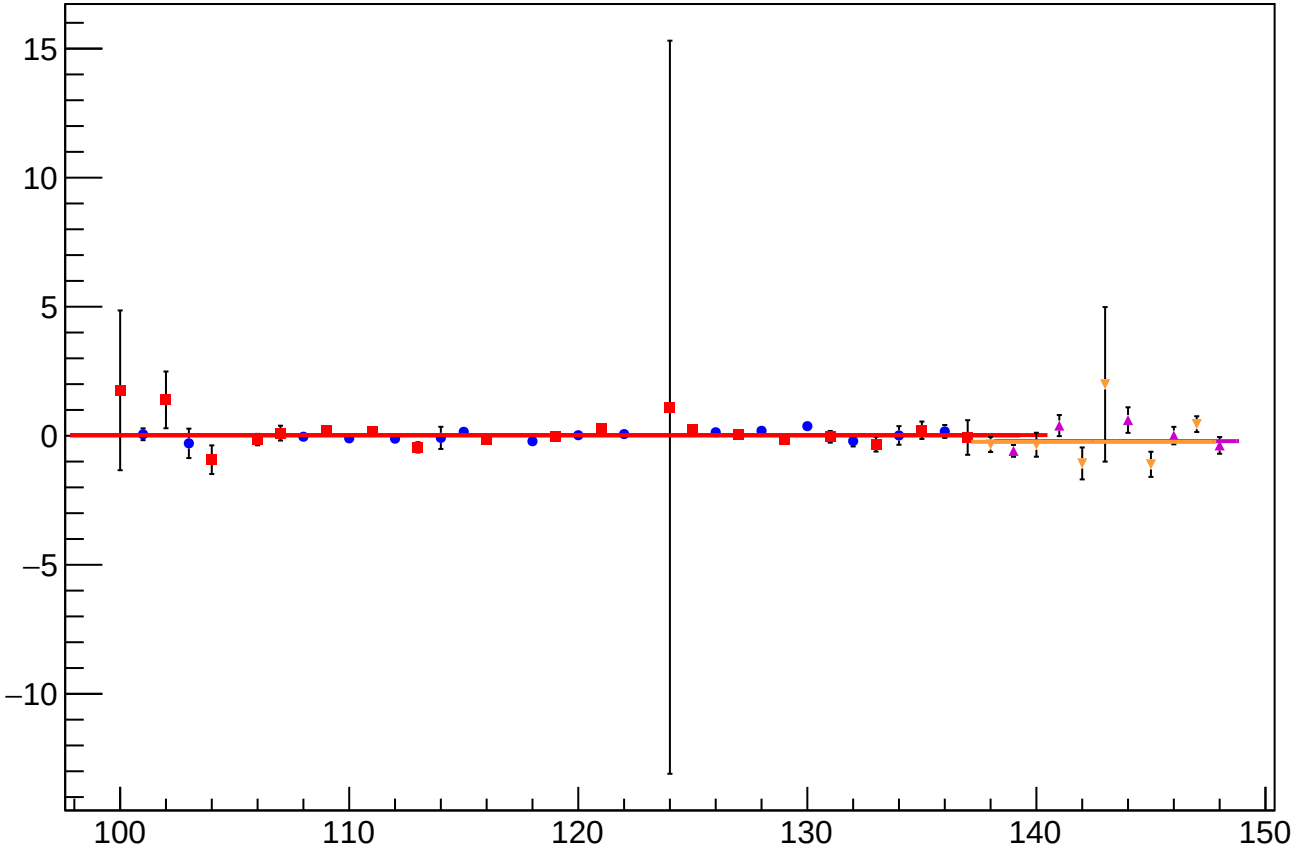
Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

+ sign 132.624+/-0.033 χ^2/NDF: 6080454.3/21

All: 130.457+/-0.023 χ^2/NDF: 11546795.3/45

- sign 128.435+/-0.032 χ^2/NDF: 5457817.2/23

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

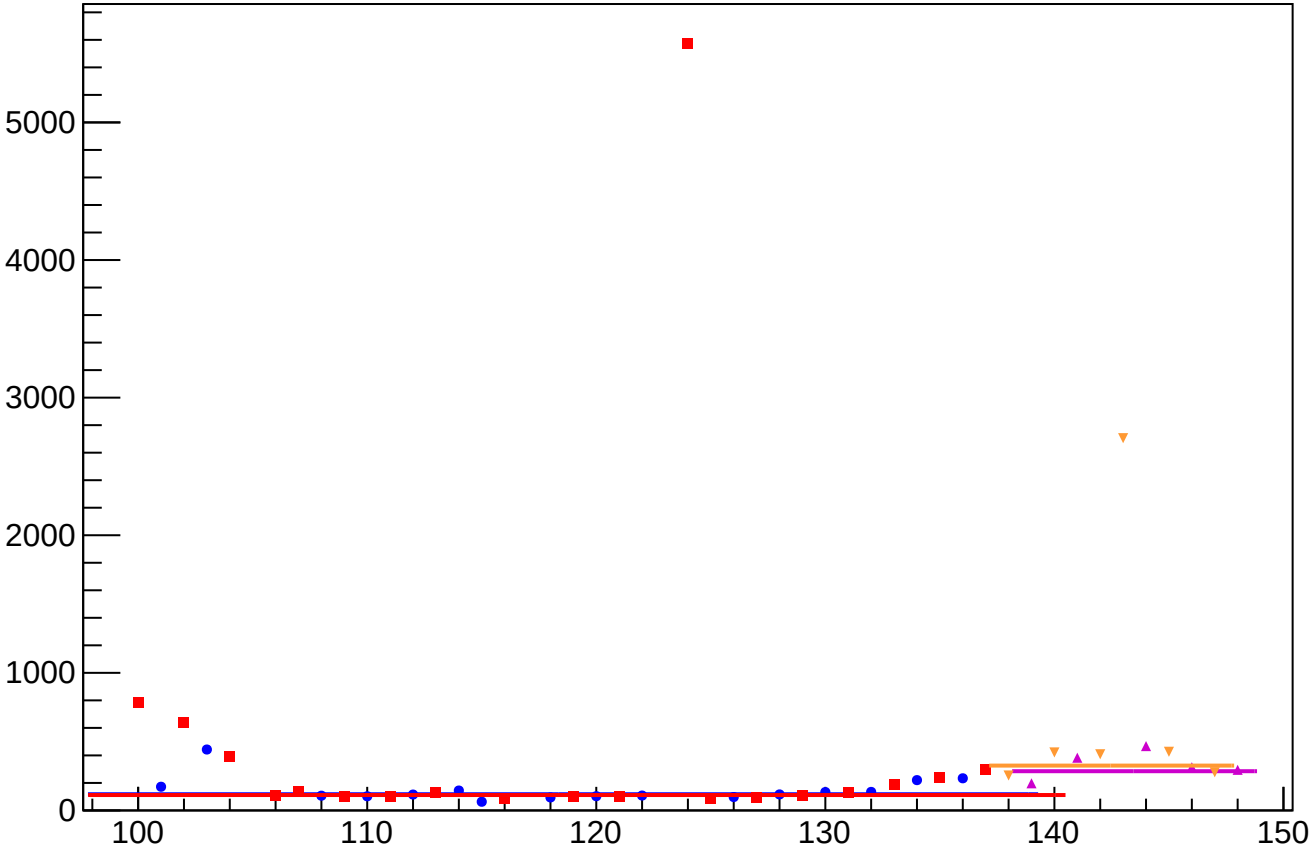
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.001+/-0.032 χ^2/NDF: 57.2/45

- sign 0.004+/-0.045 χ^2/NDF: 32.7/23

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

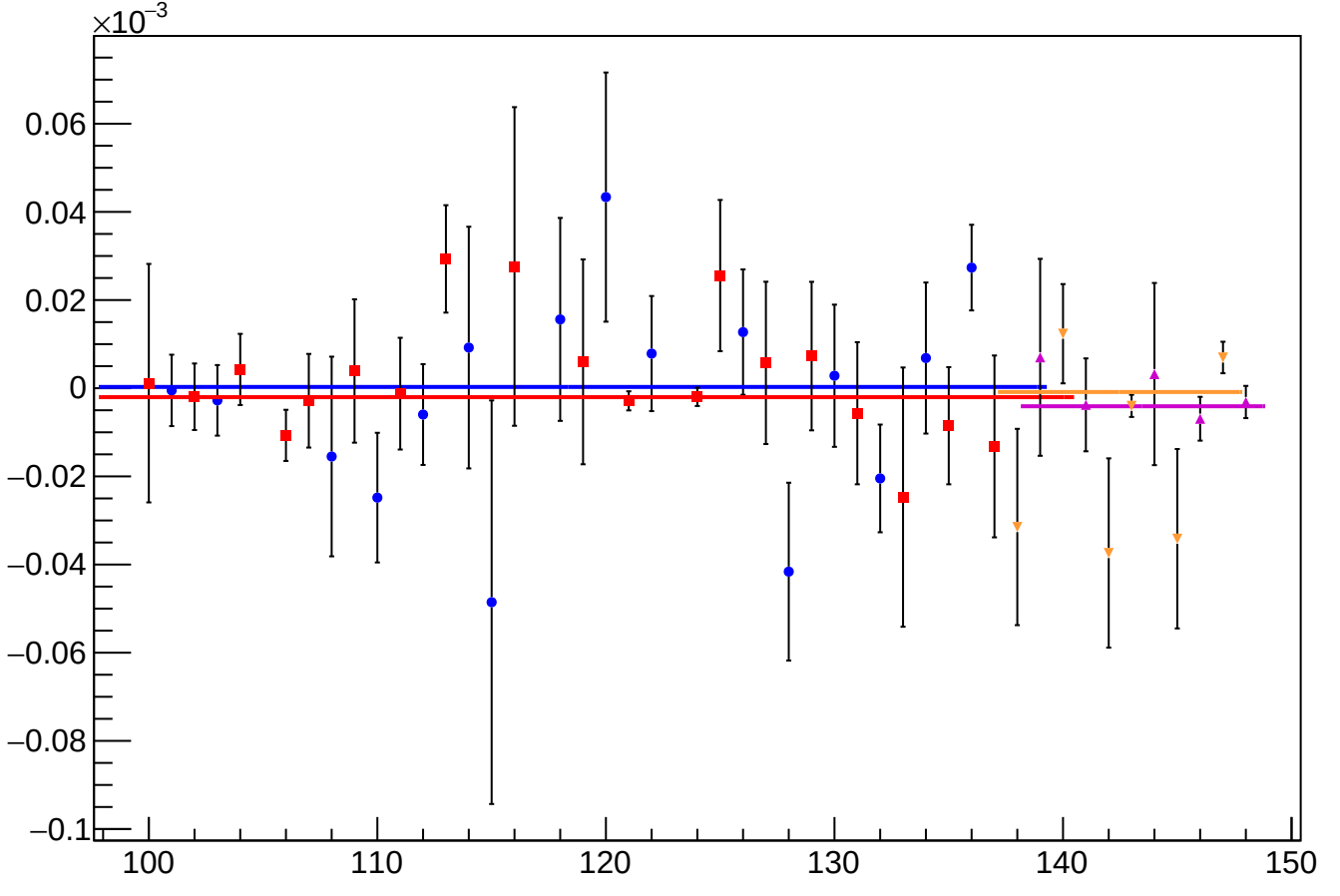
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

+ sign 132.624+/-0.033 χ^2/NDF: 6080454.3/21

All: 130.457+/-0.023 χ^2/NDF: 11546795.3/45

- sign 128.435+/-0.032 χ^2/NDF: 5457817.2/23



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

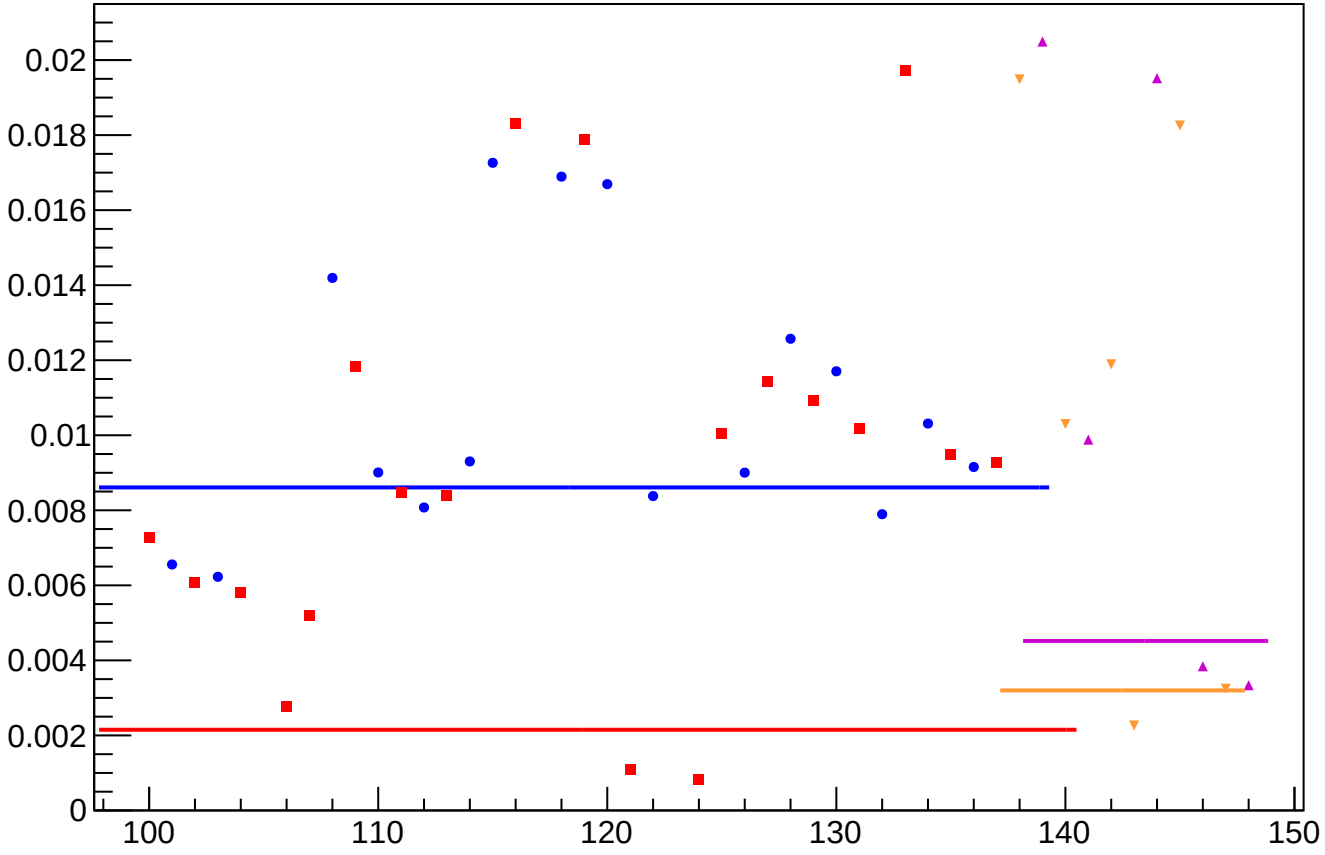
Left In: -0.000+/-0.000 χ^2/NDF:0.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/21

All: -0.000+/-0.000 χ^2/NDF: 56.2/45

- sign -0.000+/-0.000 χ^2/NDF: 16.0/23

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

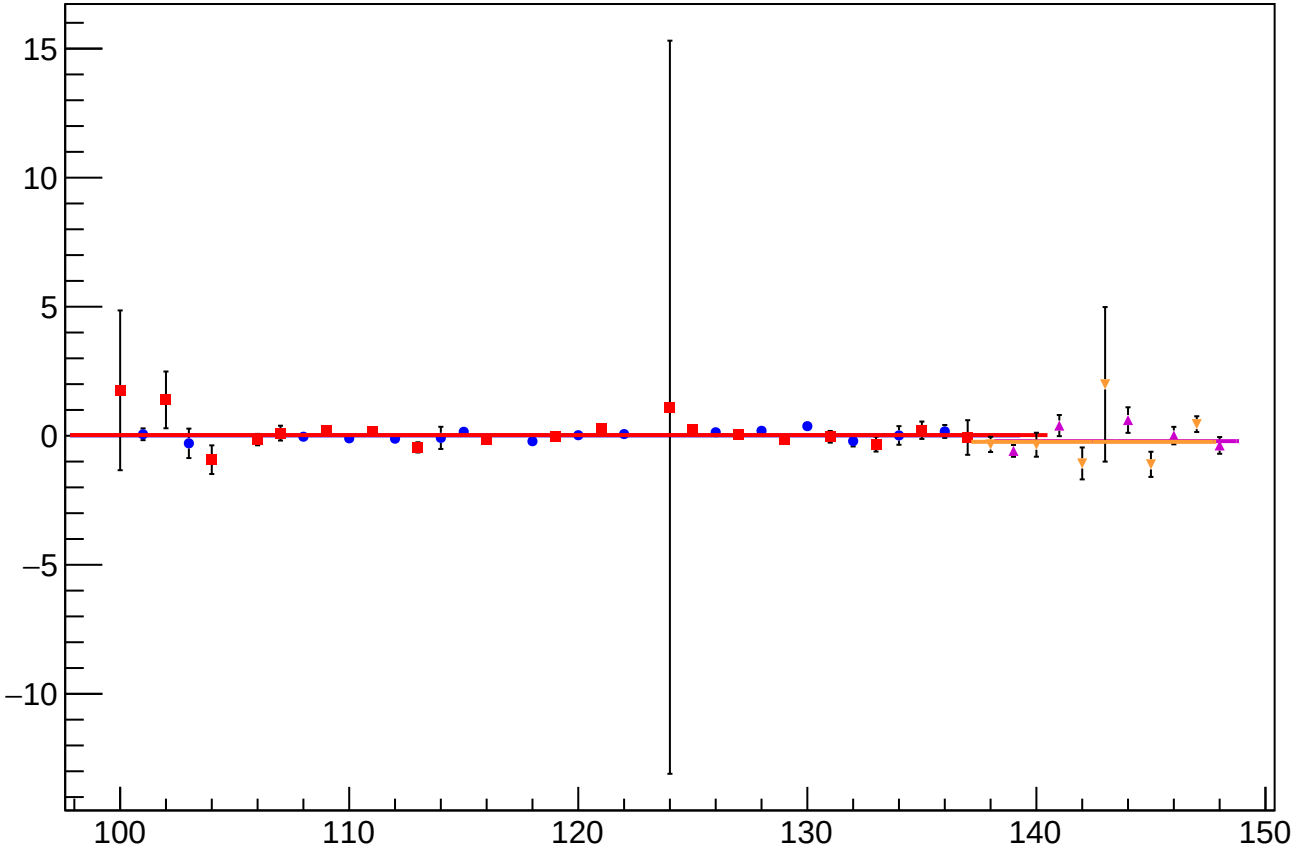
Left In: 0.005+/-0.000 χ^2/NDF:2840632.5/4

+ sign 0.005+/-0.000 χ^2/NDF: 8484747.4/21

All: 0.003+/-0.000 χ^2/NDF: 23415231.4/45

- sign 0.003+/-0.000 χ^2/NDF: 13098222.6/23

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

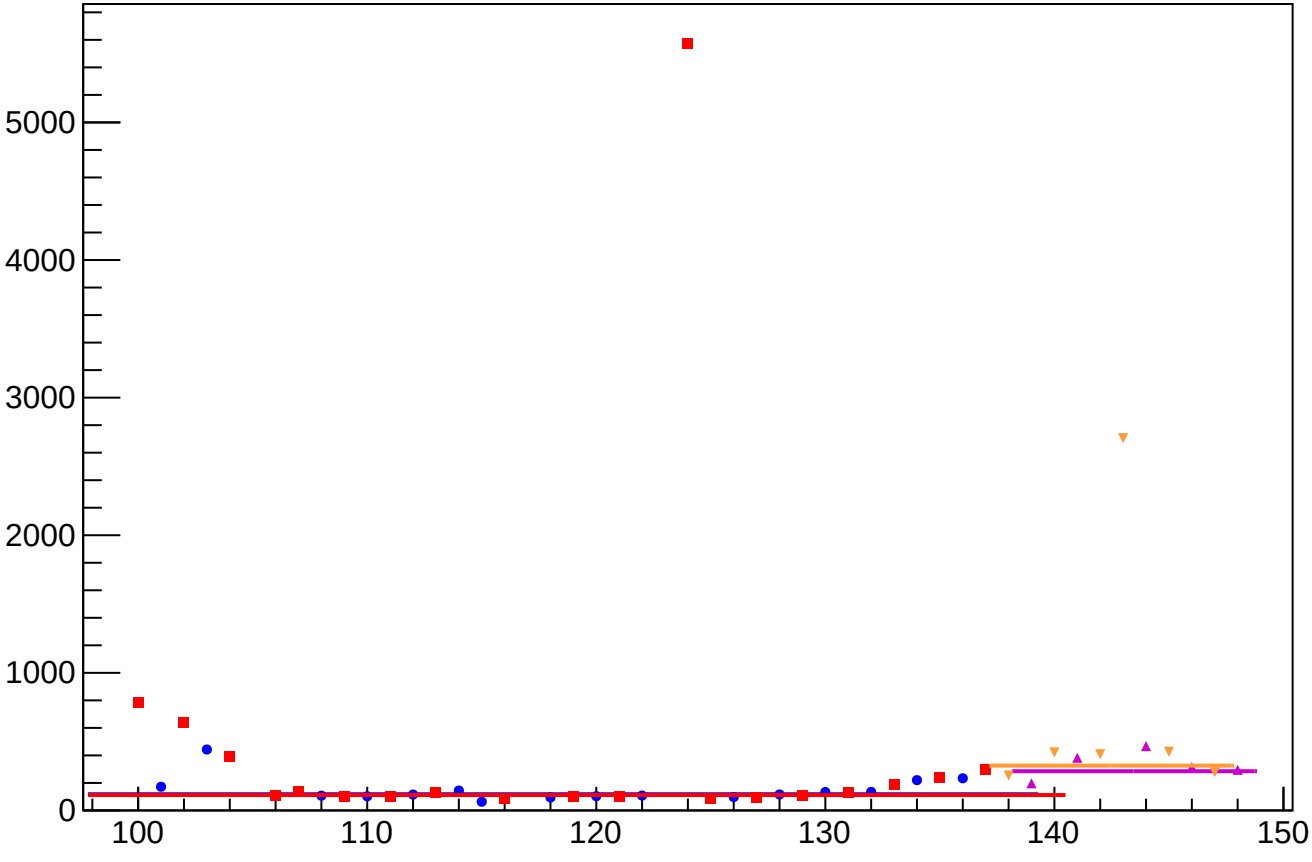
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.001+/-0.032 χ^2/NDF: 57.2/45

- sign 0.004+/-0.045 χ^2/NDF: 32.7/23

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

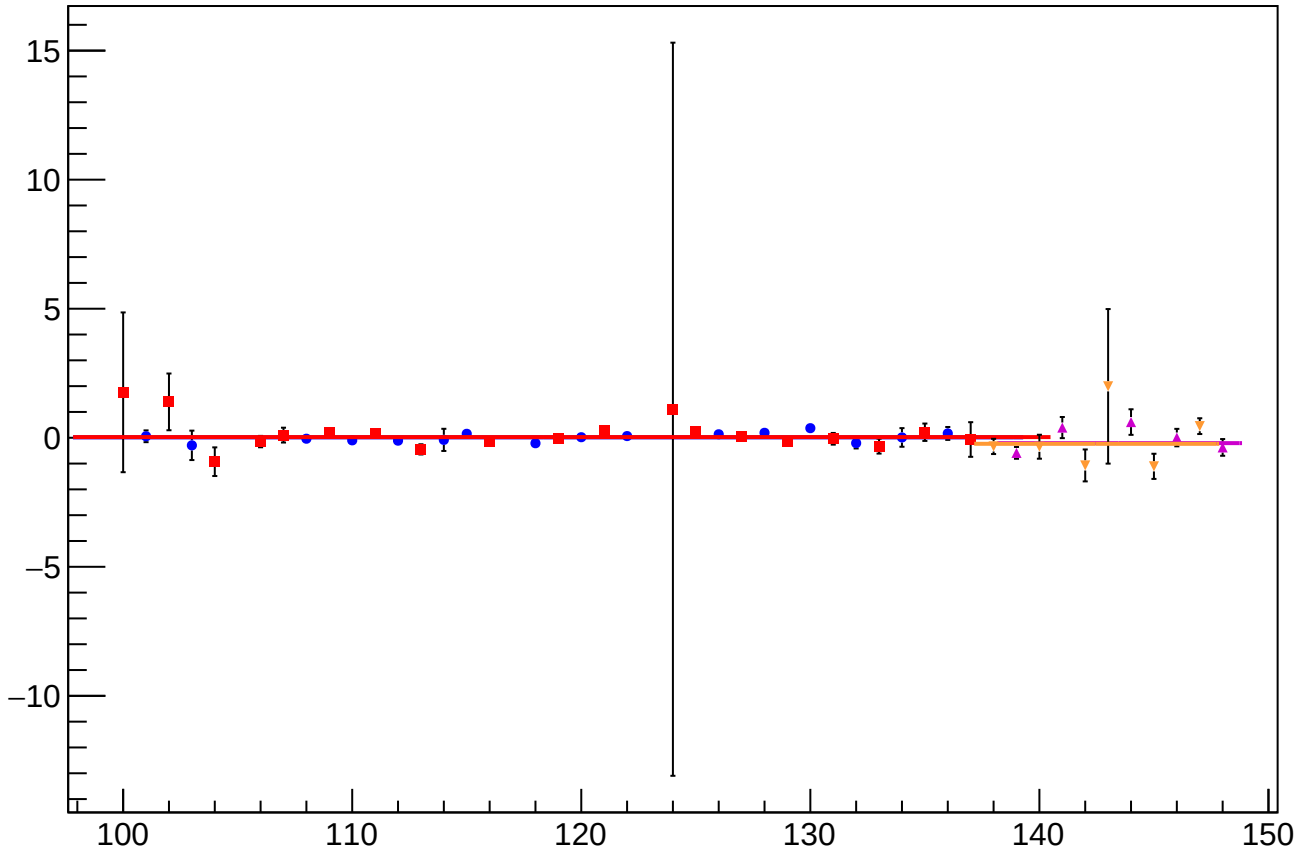
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

+ sign 132.624+/-0.033 χ^2/NDF: 6080465.4/21

All: 130.458+/-0.023 χ^2/NDF: 11546714.1/45

- sign 128.437+/-0.032 χ^2/NDF: 5457732.3/23



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

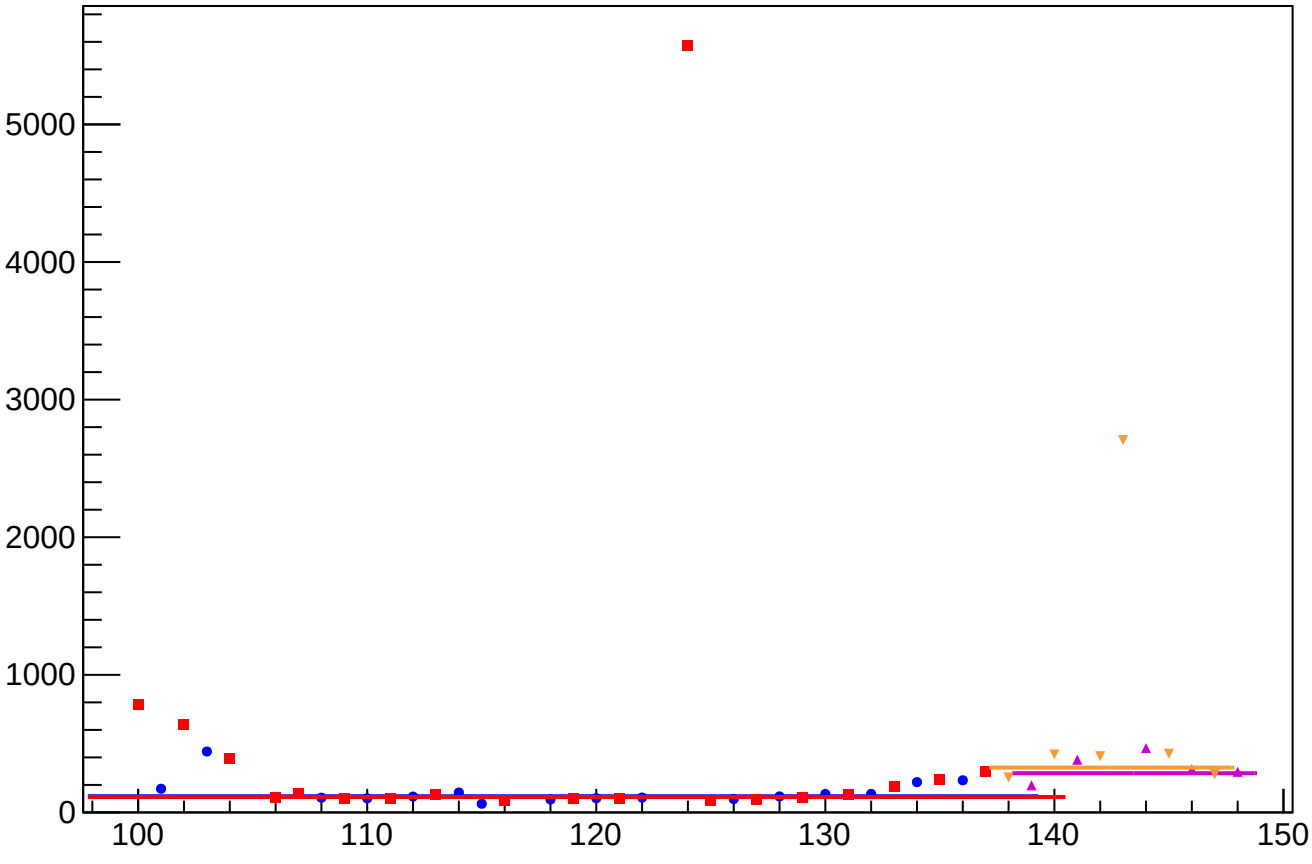
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

\+ sign -0.003+/-0.046 χ^2/NDF: 24.5/21

All: 0.001+/-0.032 χ^2/NDF: 57.2/45

\- sign 0.004+/-0.045 χ^2/NDF: 32.7/23



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 326.035+/-0.122 χ^2/NDF:1637334.2/5

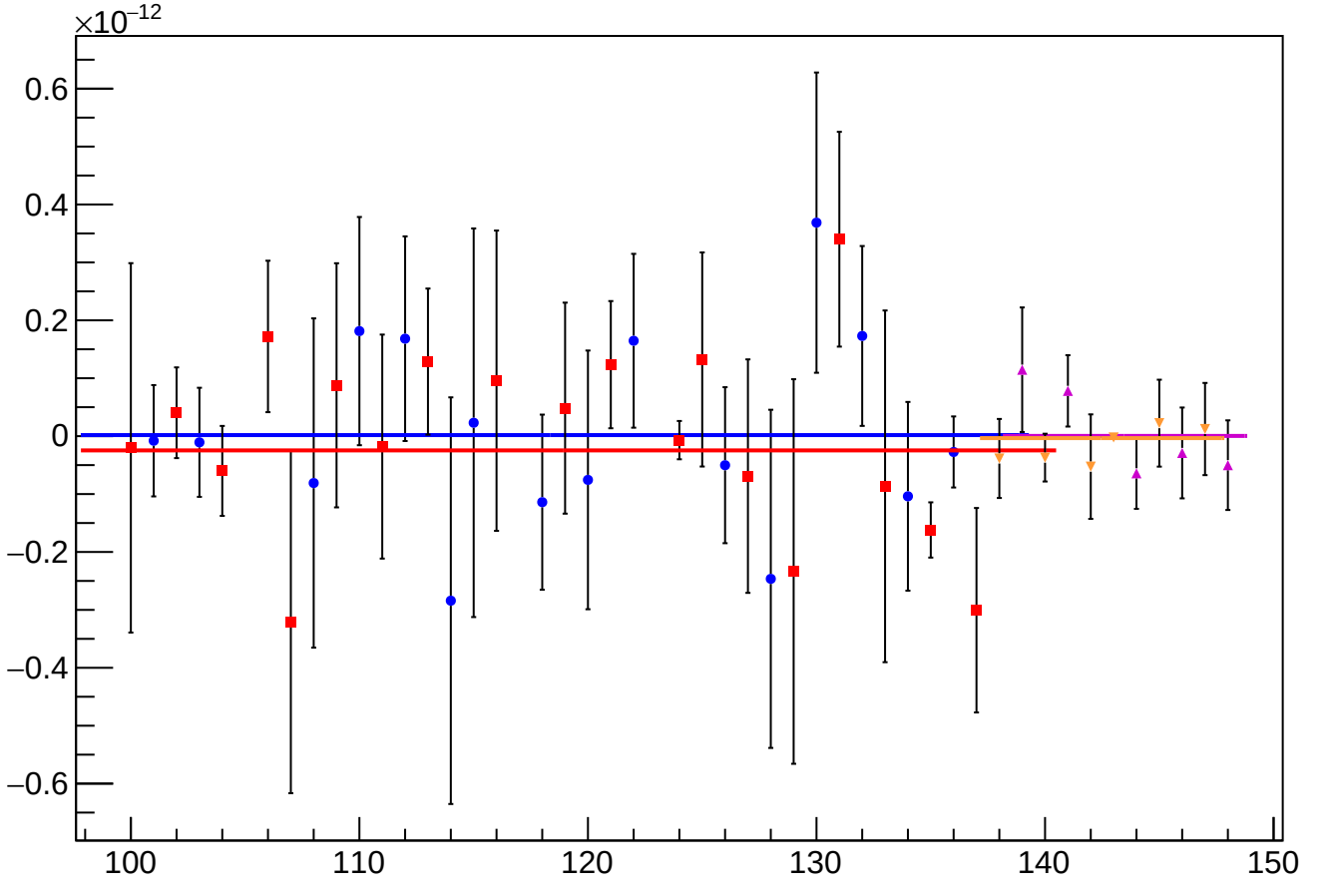
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

+ sign 132.624+/-0.033 χ^2/NDF: 6080465.4/21

All: 130.458+/-0.023 χ^2/NDF: 11546714.1/45

- sign 128.437+/-0.032 χ^2/NDF: 5457732.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/5

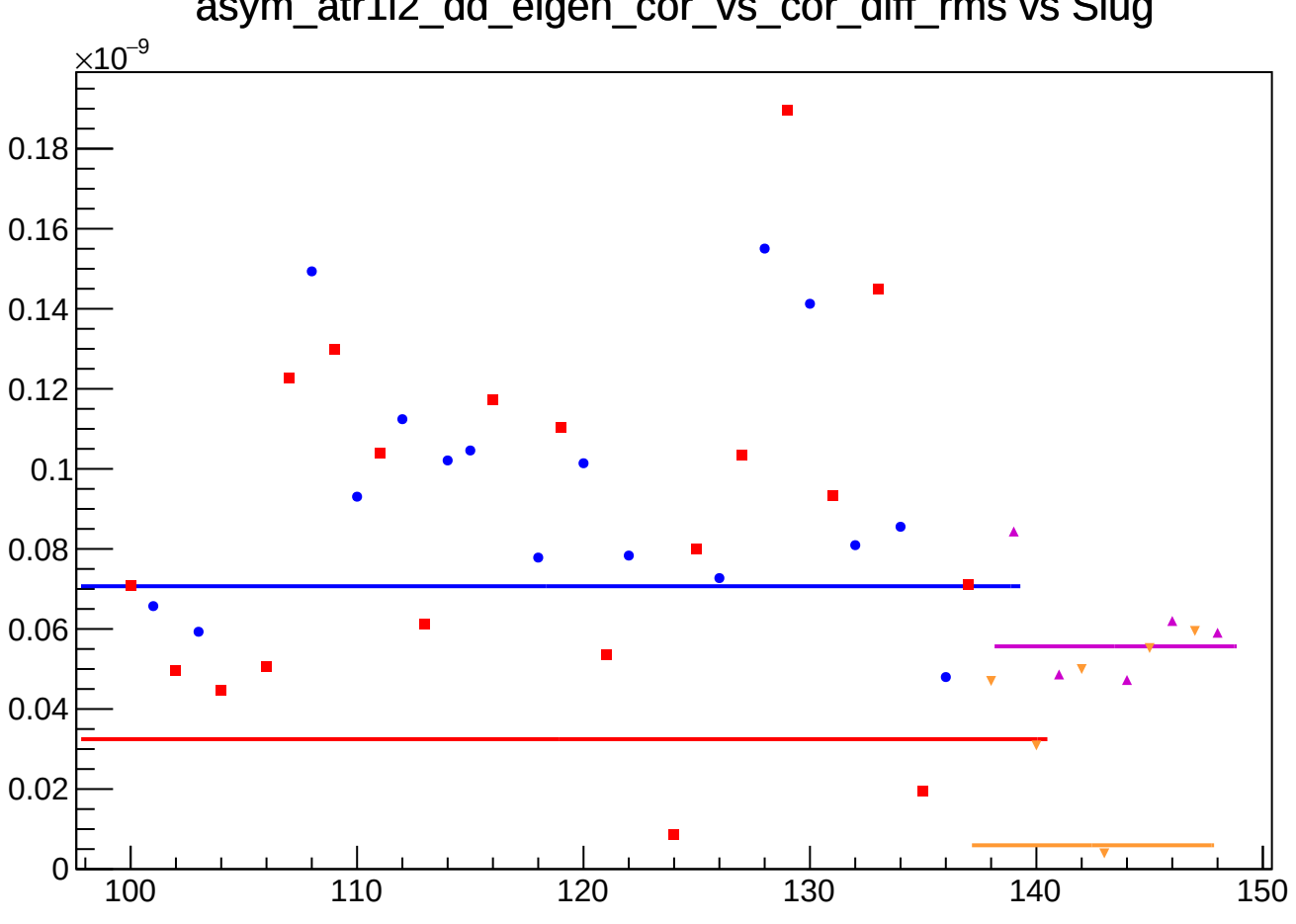
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 10.6/21

All: -0.000+/-0.000 χ^2/NDF: 40.1/45

- sign -0.000+/-0.000 χ^2/NDF: 29.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3885651.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

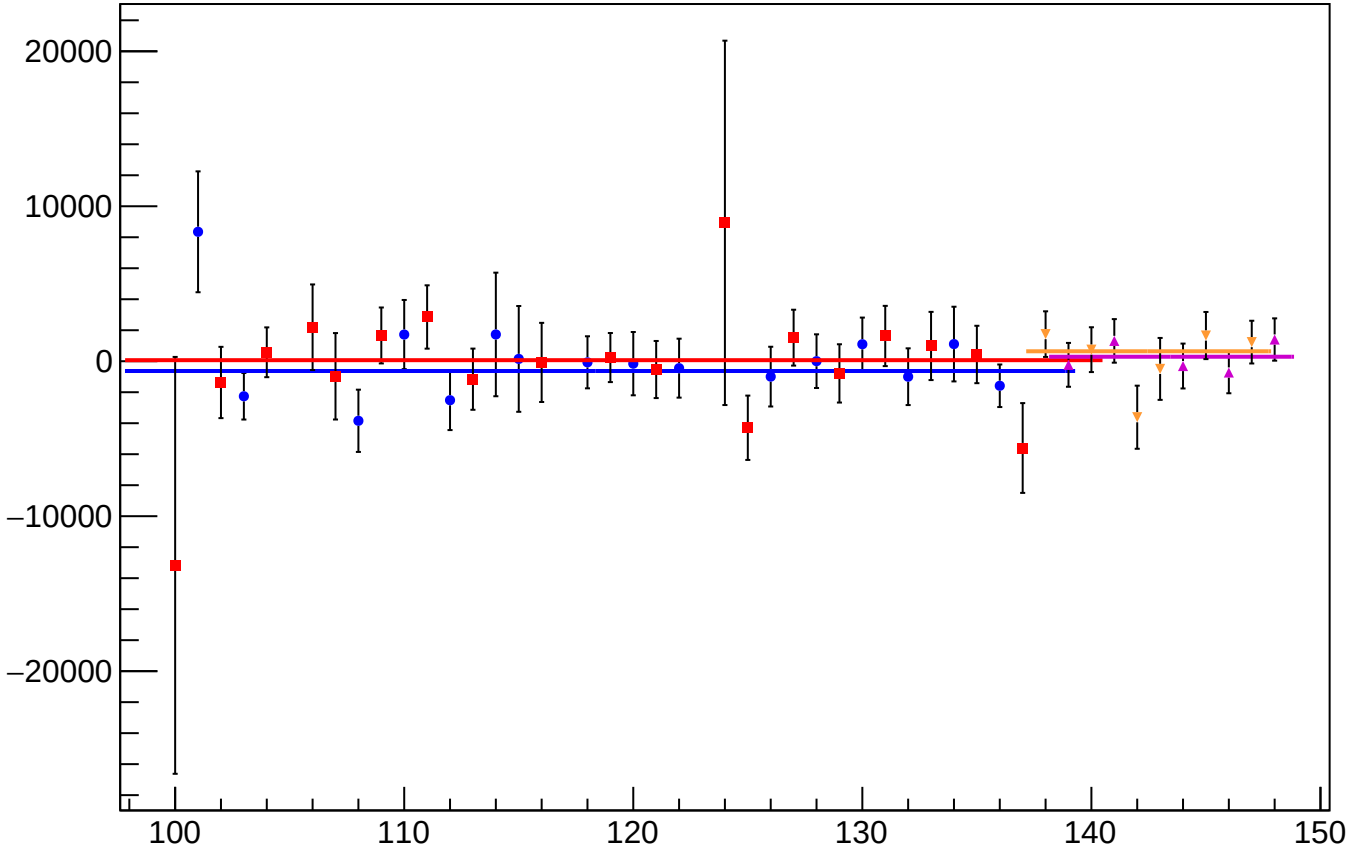
Left In: 0.000+/-0.000 χ^2/NDF:222912.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 11733600.1/21

All: 0.000+/-0.000 χ^2/NDF: 22533476.5/45

- sign 0.000+/-0.000 χ^2/NDF: 5377622.3/23

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

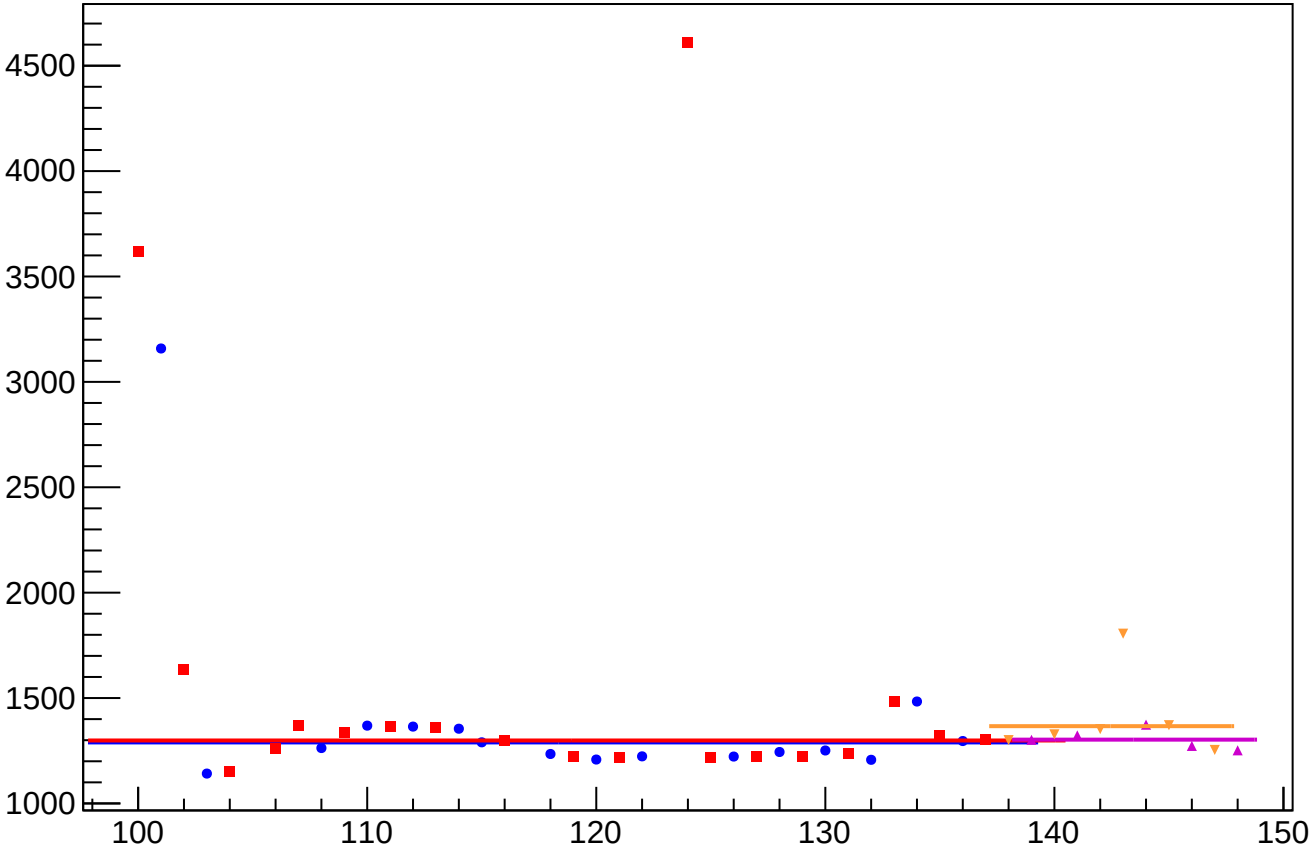
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -5.818+/-273.627 χ^2/NDF: 40.6/45

- sign 152.144+/-384.081 χ^2/NDF: 18.0/23

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

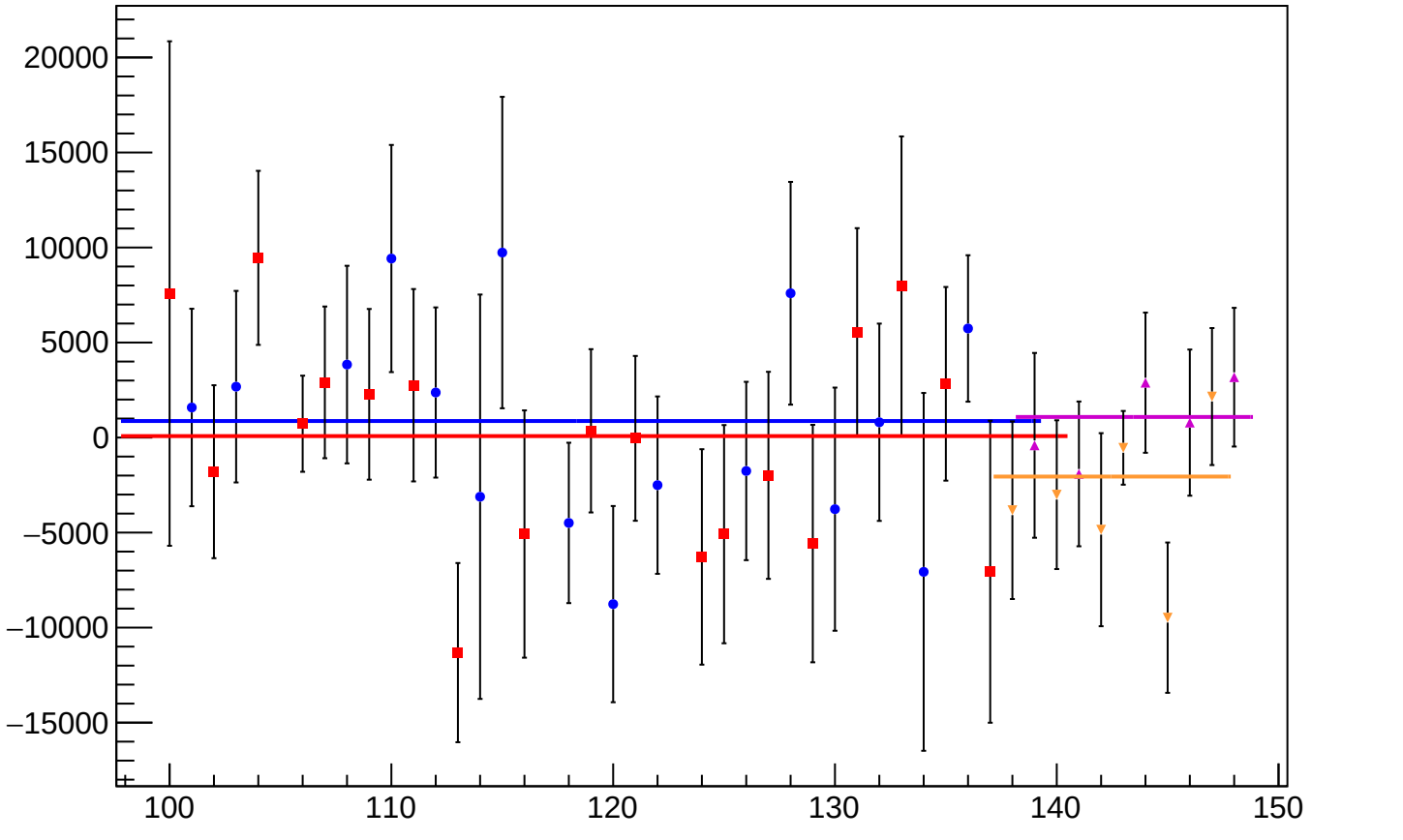
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45

- sign 1300.167+/-0.271 χ^2/NDF: 328388.4/23



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

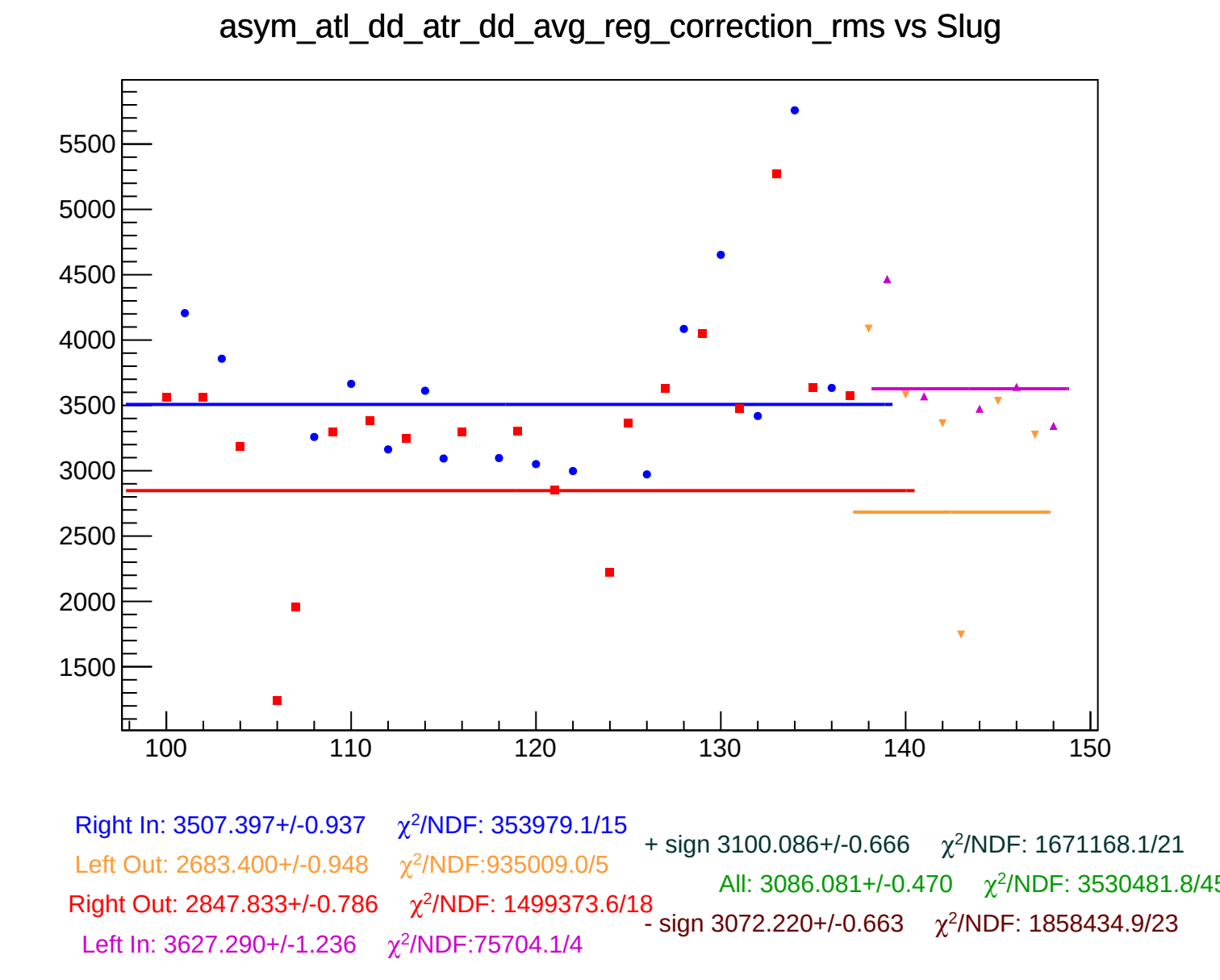
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

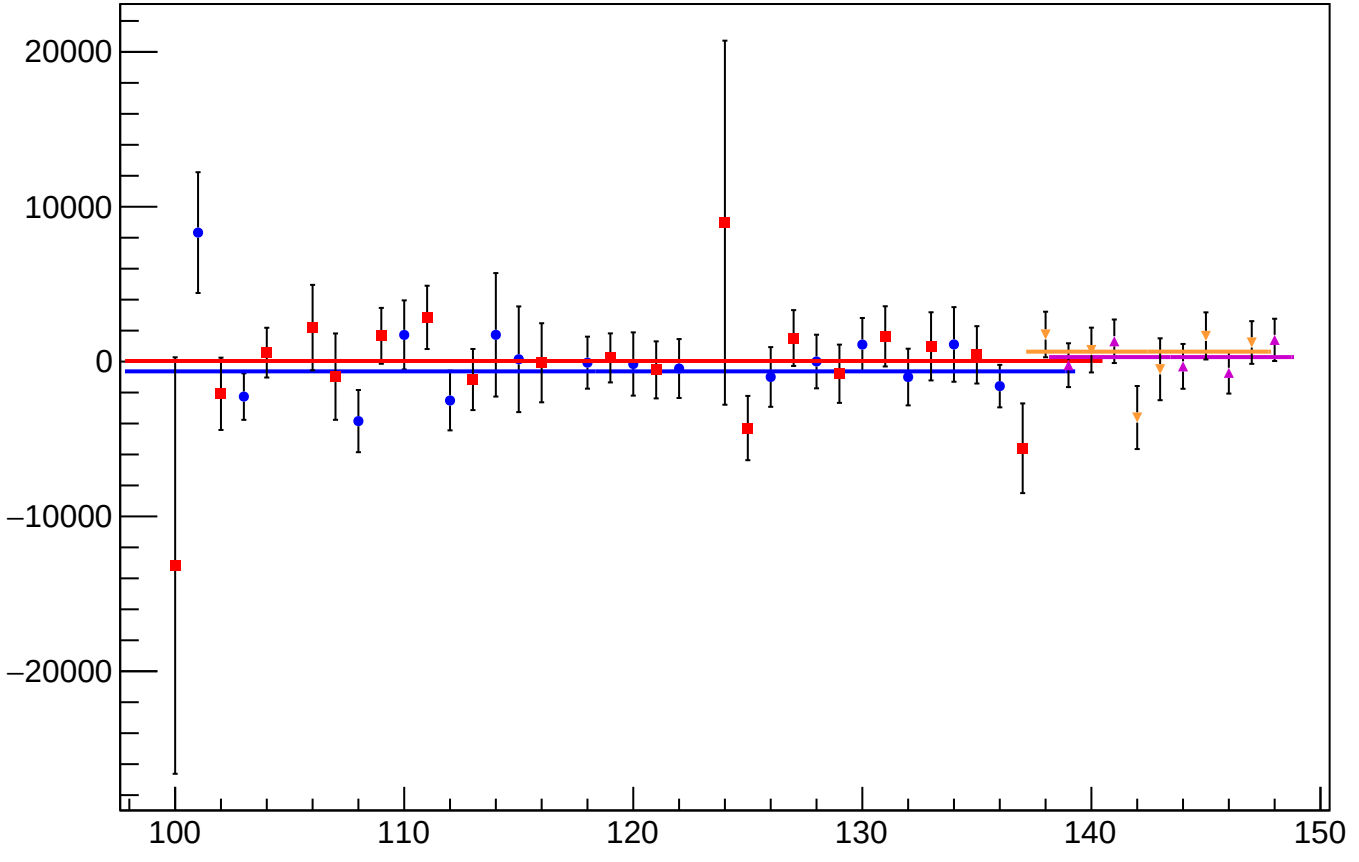
+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -101.404+/-664.686 χ^2/NDF: 42.8/45

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2683.400+/-0.948 χ²/NDF:935009.0/5
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3627.290+/-1.236 χ²/NDF:75704.1/4
+ sign 3100.086+/-0.666 χ²/NDF: 1671168.1/21
All: 3086.081+/-0.470 χ²/NDF: 3530481.8/45
- sign 3072.220+/-0.663 χ²/NDF: 1858434.9/23

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

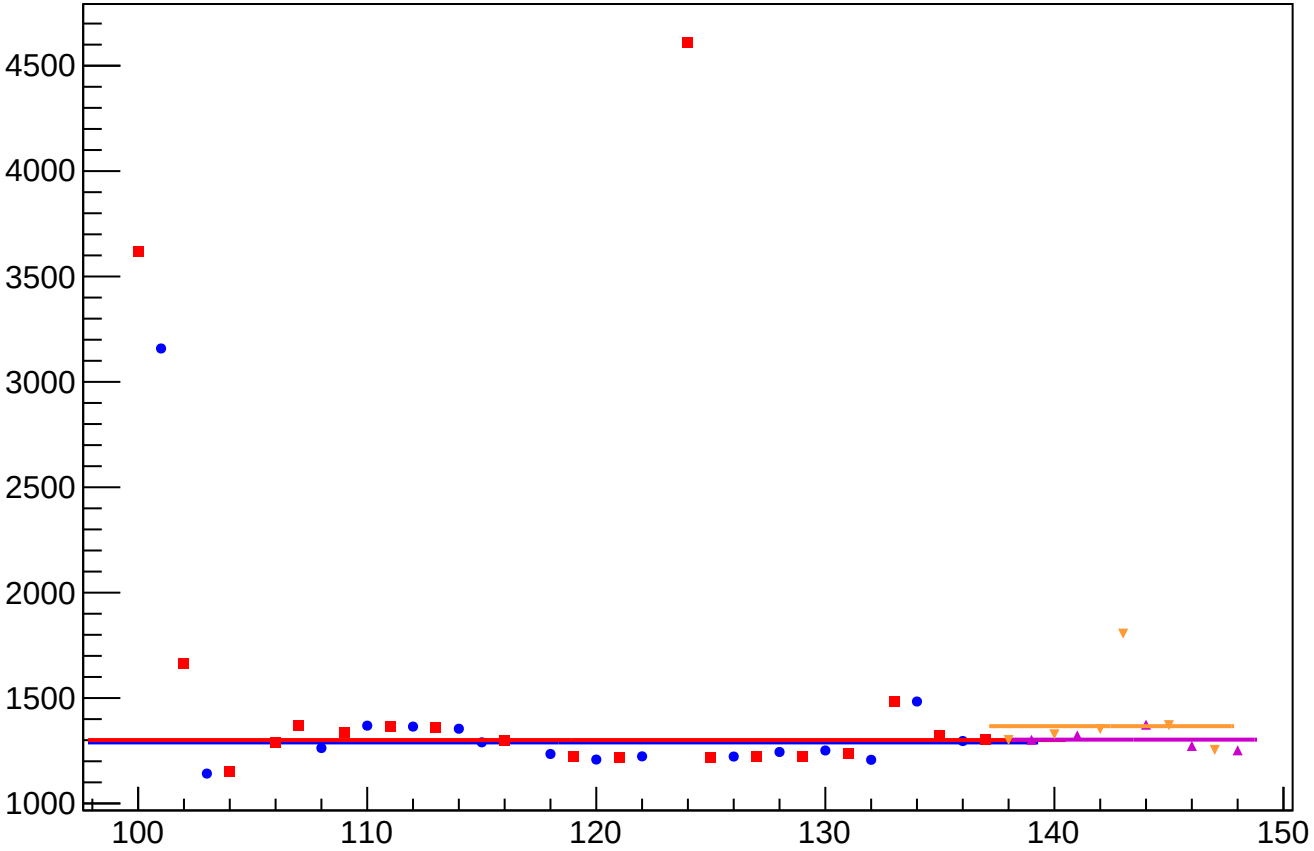
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

\+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

\- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

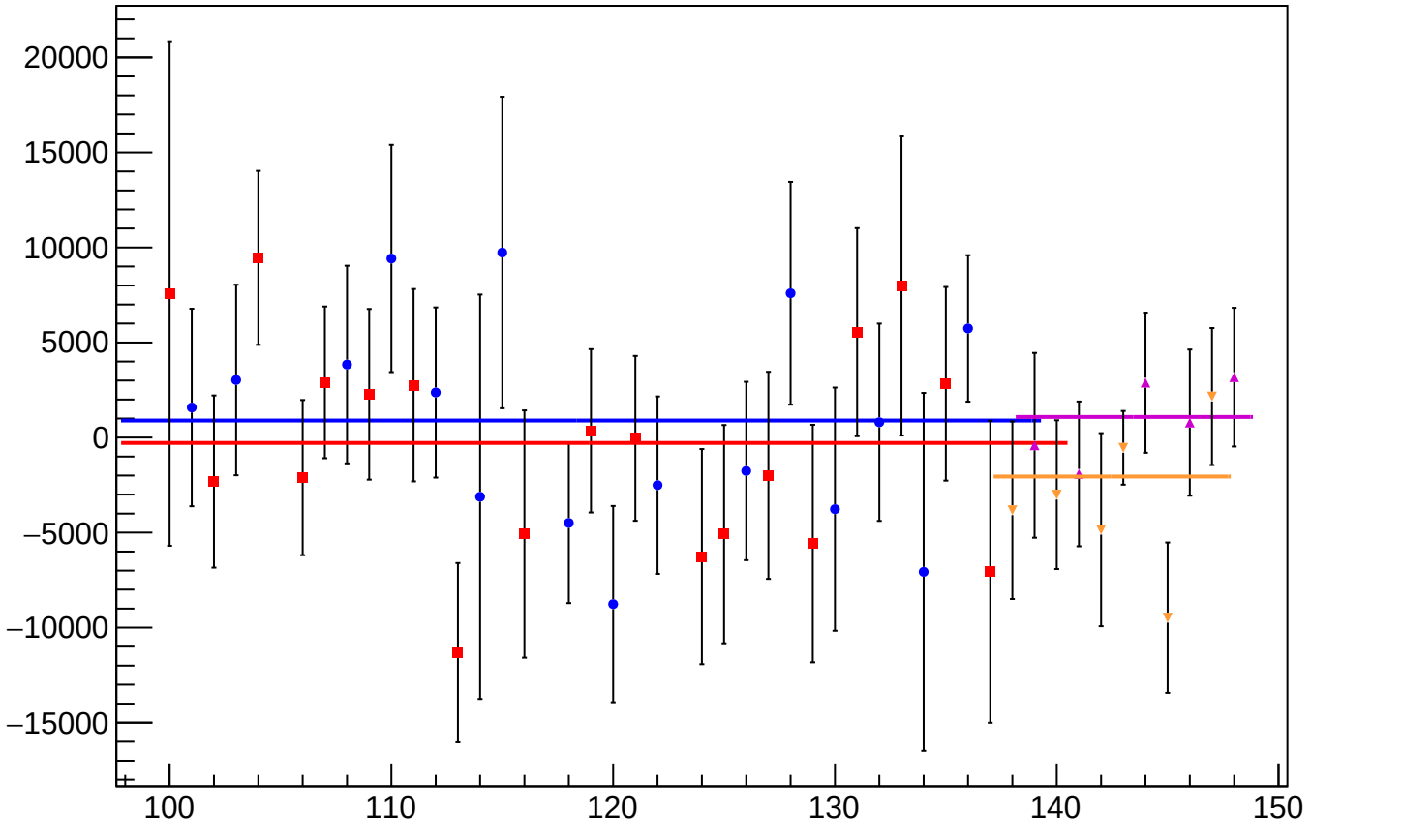
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23



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

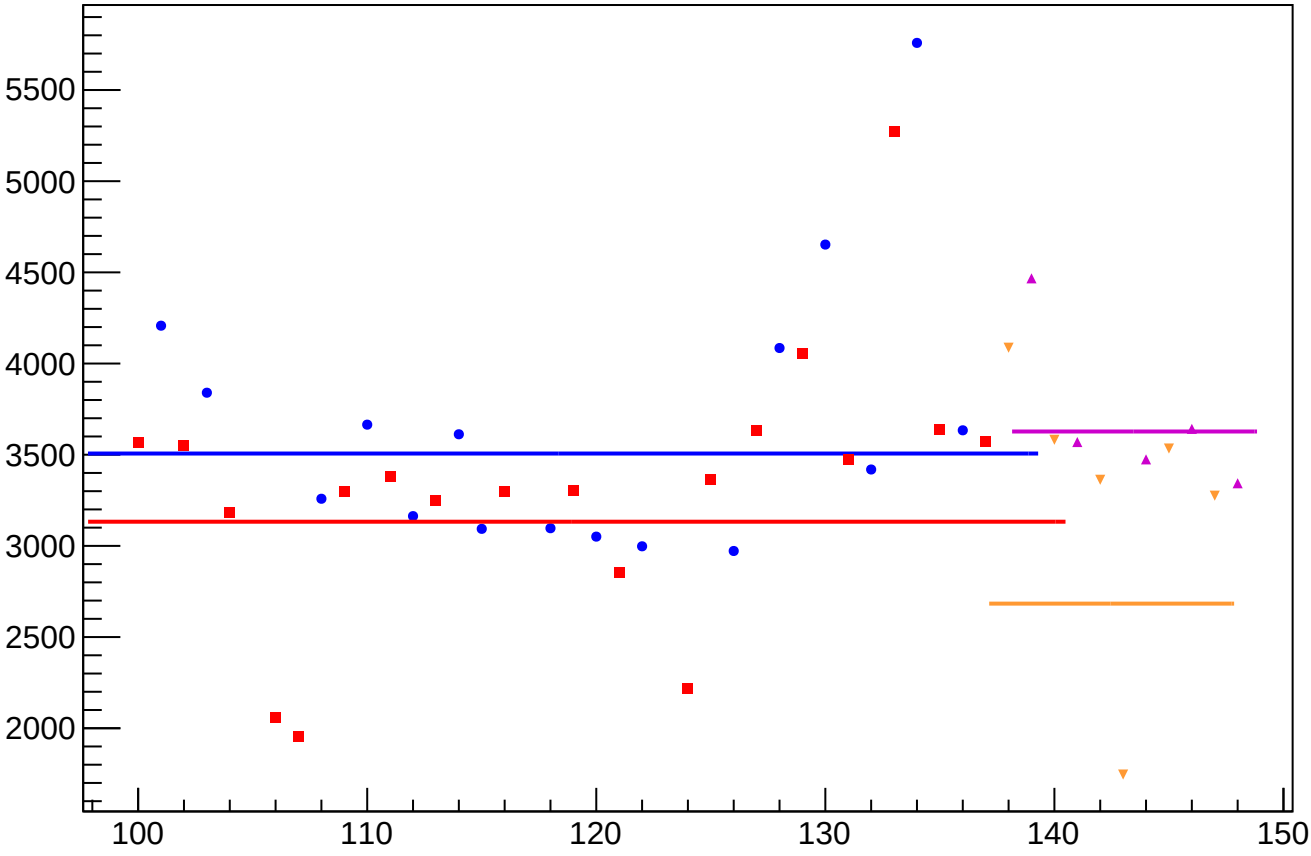
Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -221.354+/-679.140 χ^2/NDF: 43.1/45

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23

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

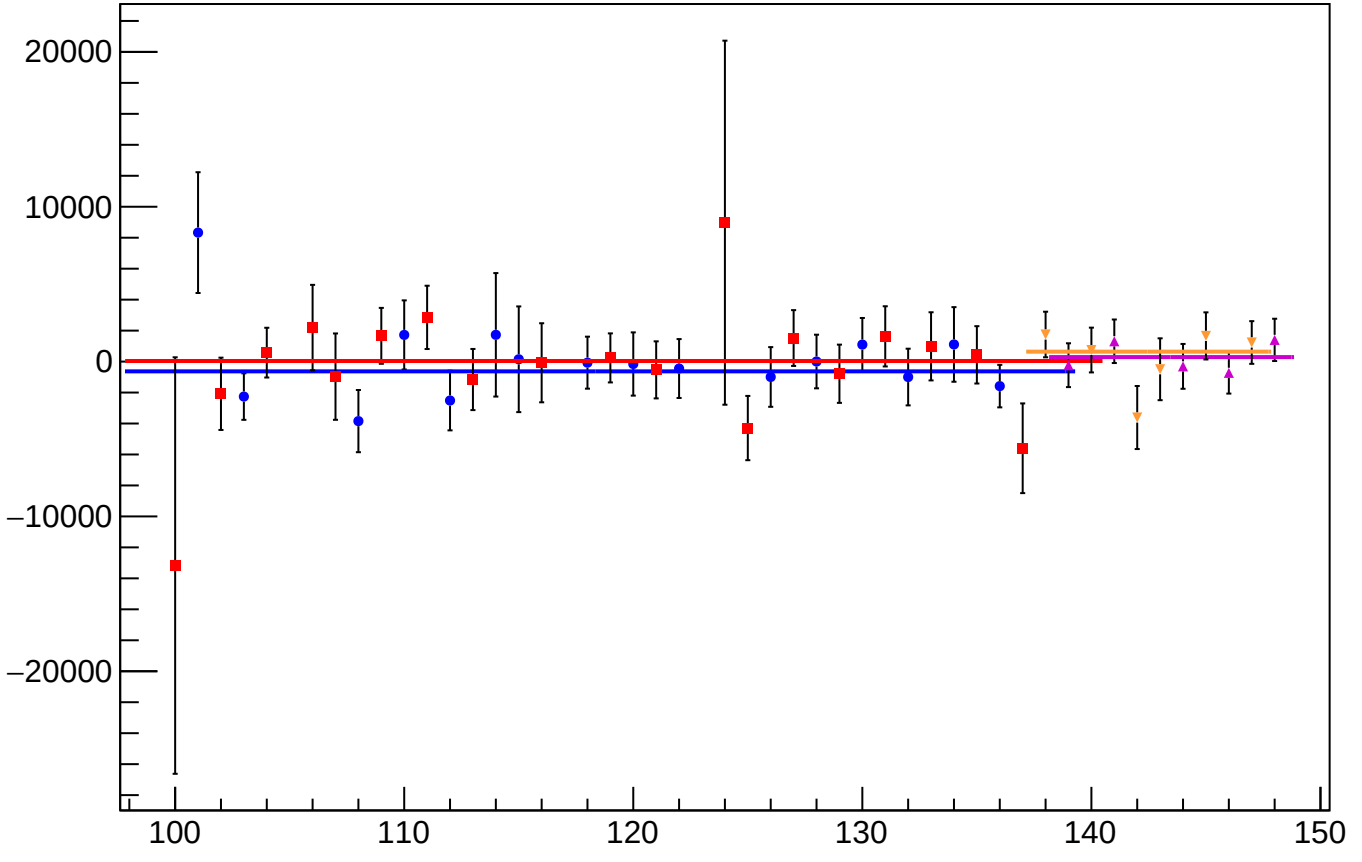
Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23

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

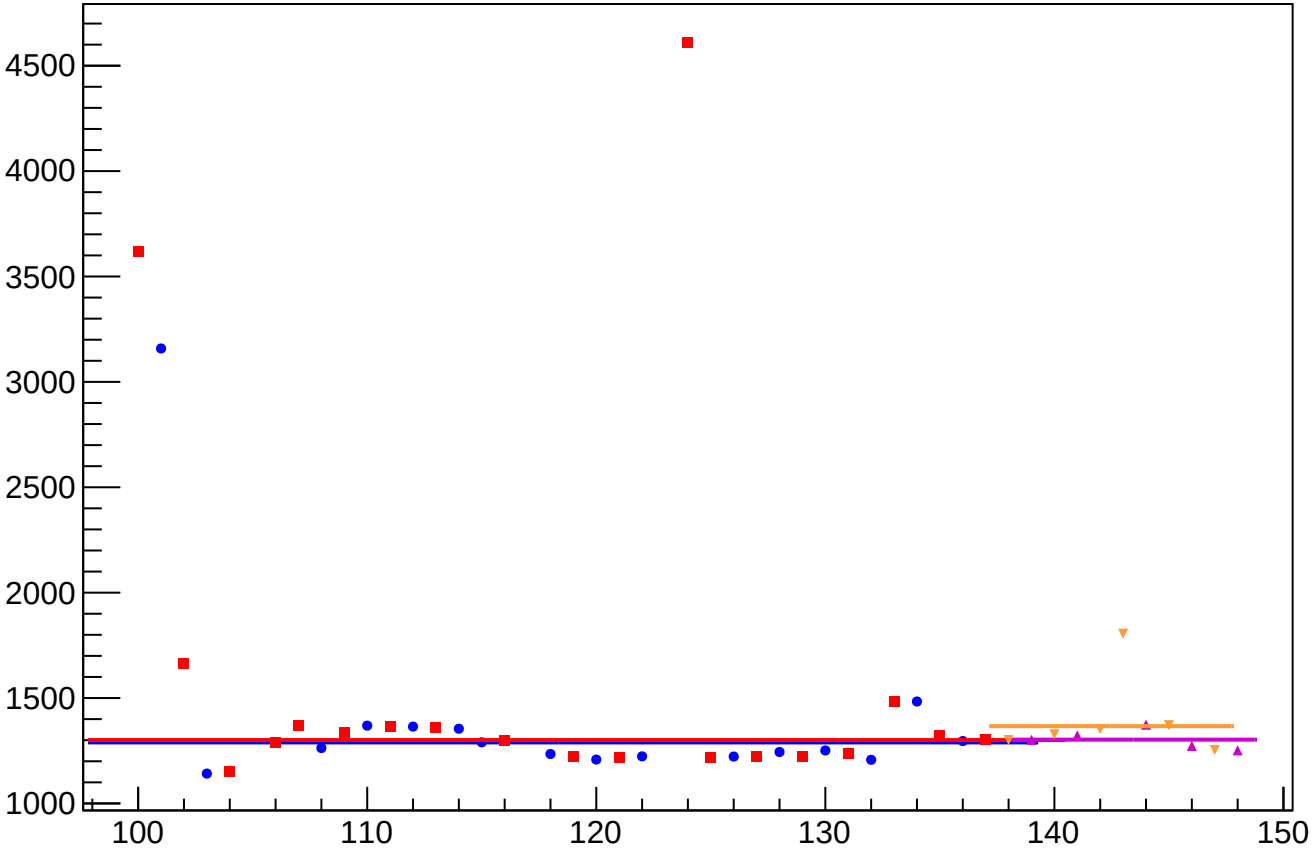
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

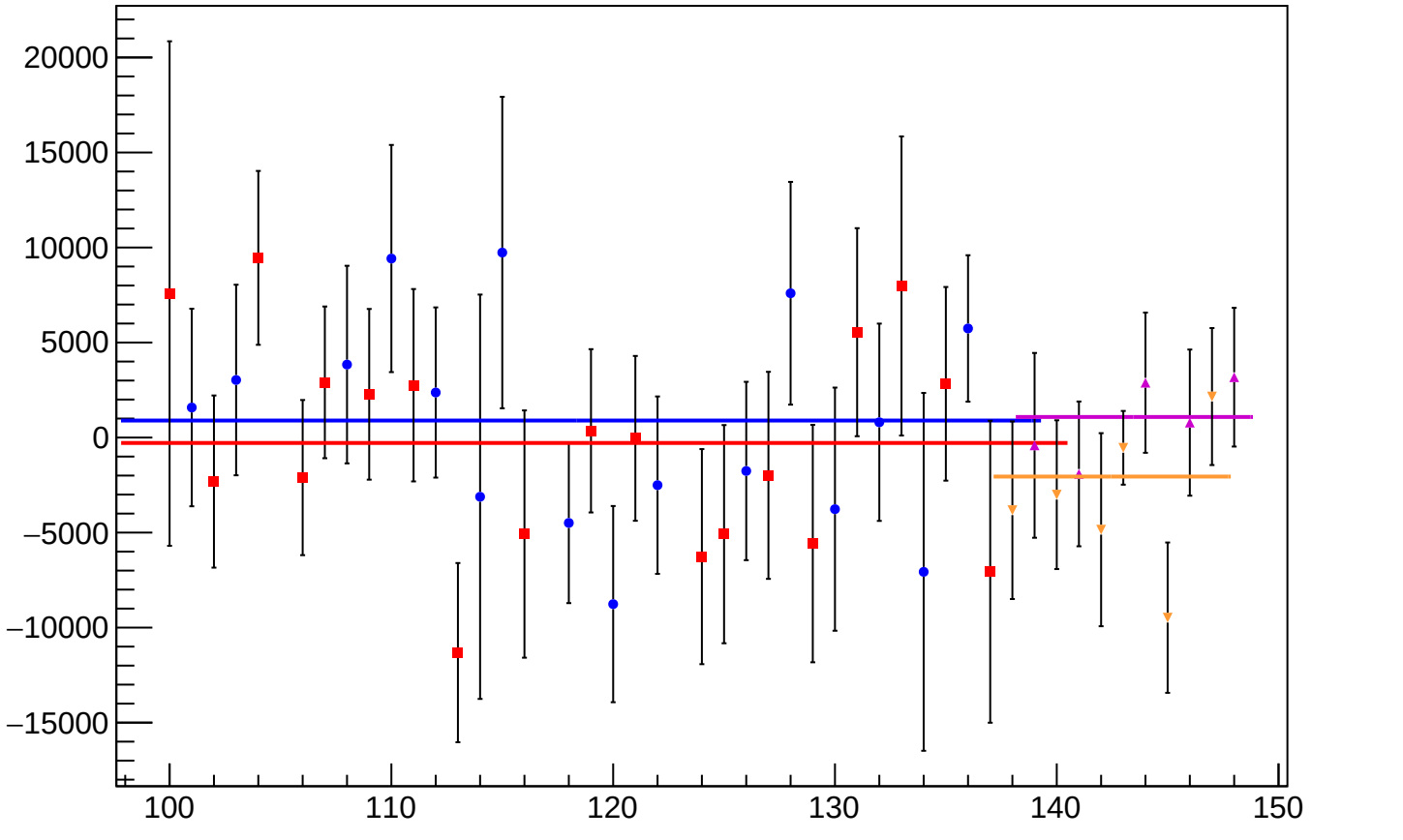
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

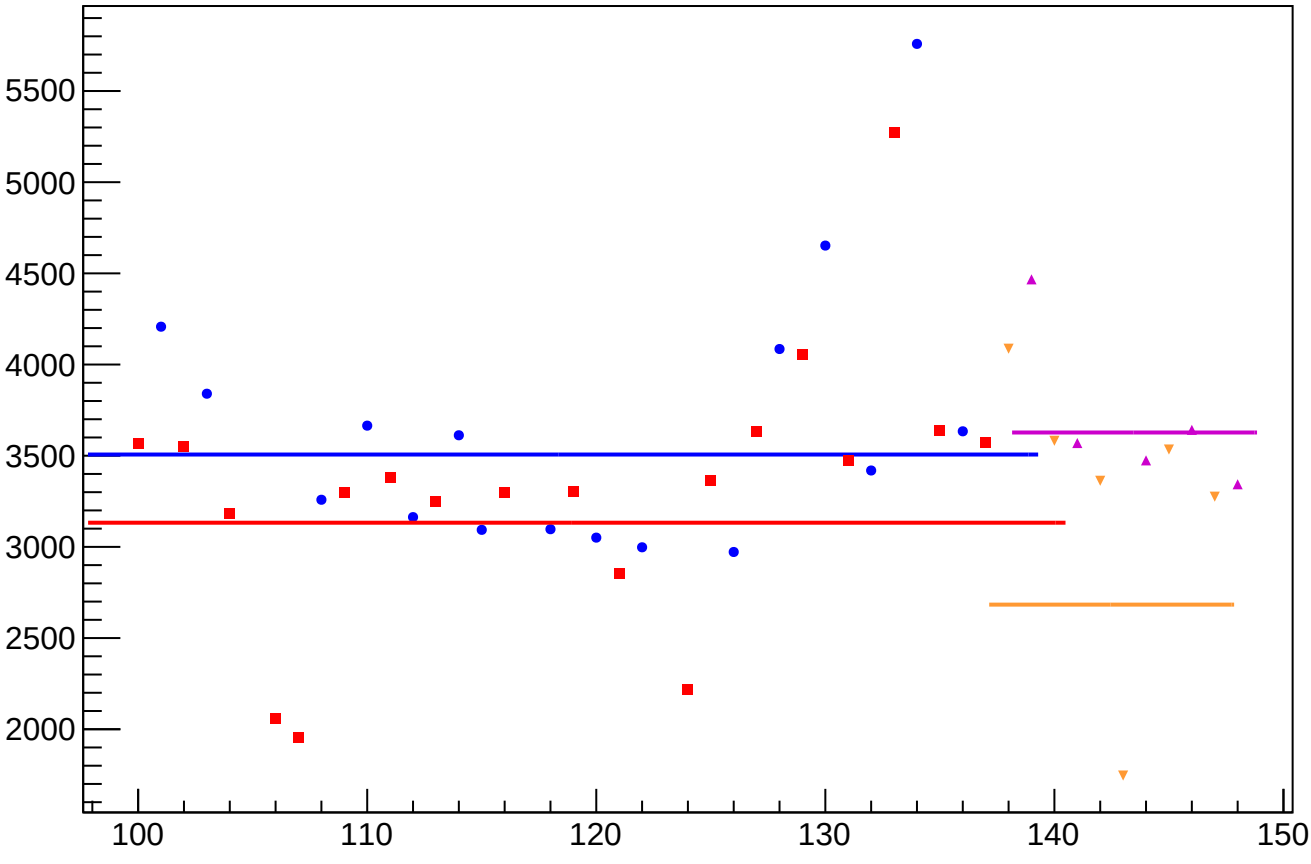
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -221.354+/-679.140 χ^2/NDF: 43.1/45

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

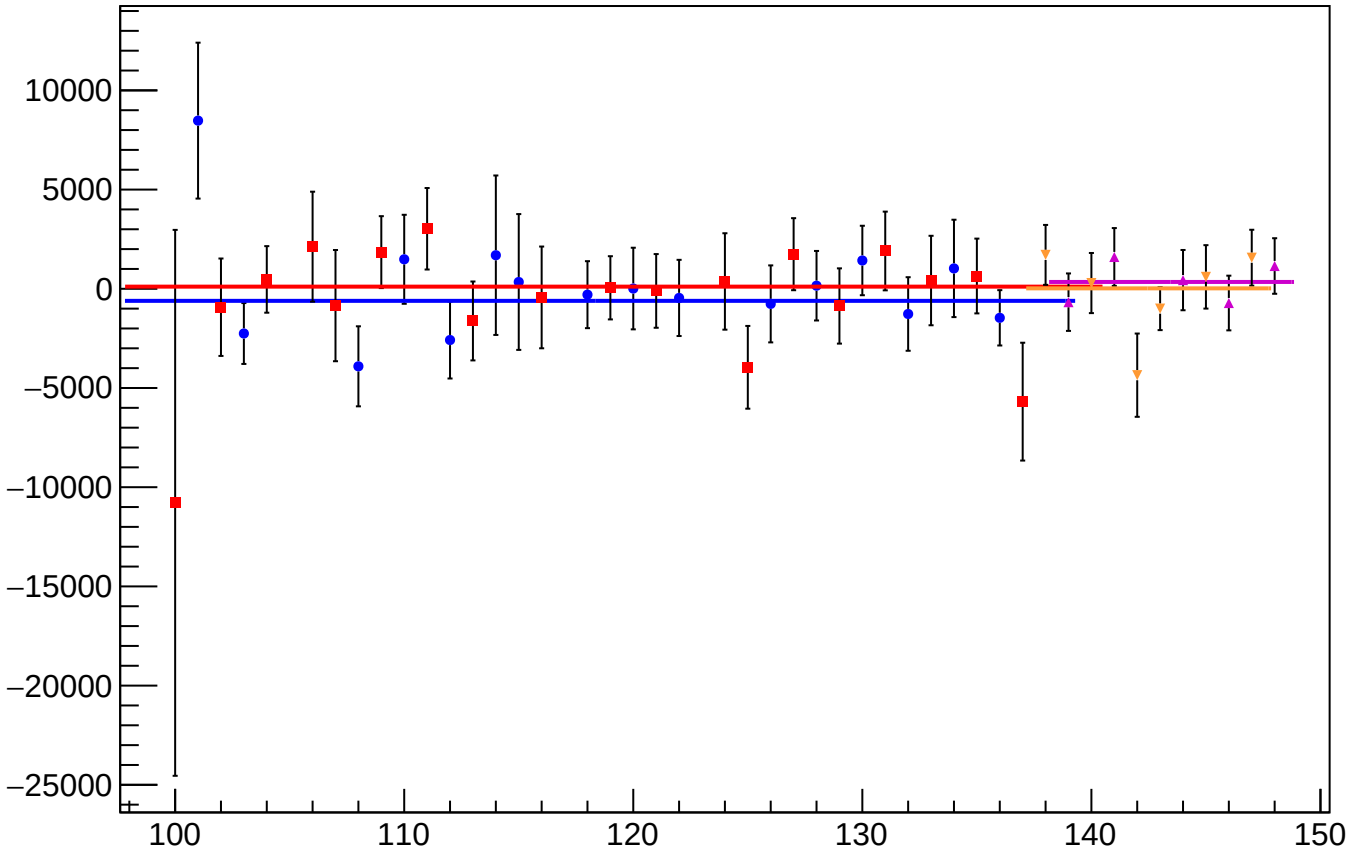
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

\+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

\- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23



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

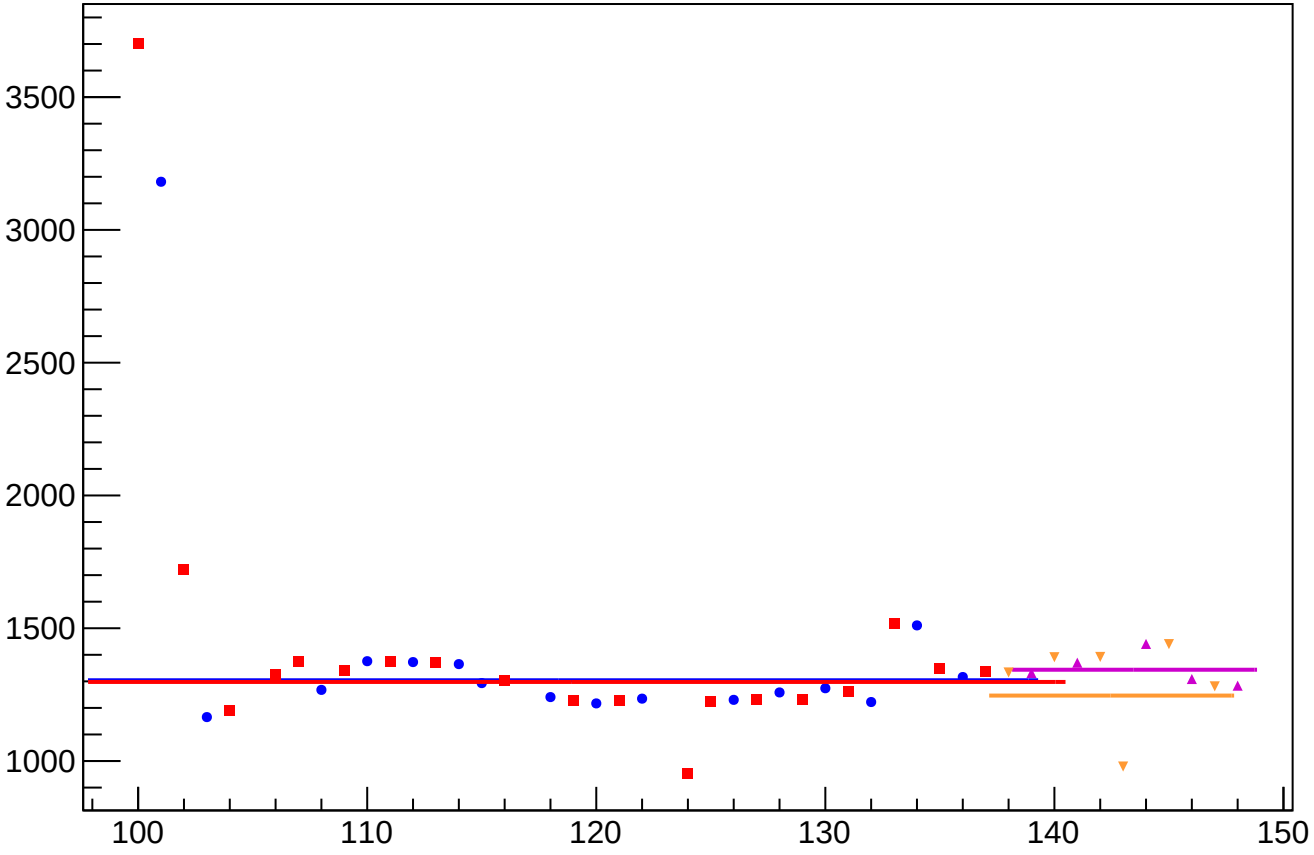
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -83.381+/-271.136 χ^2/NDF: 40.8/45

- sign 194.201+/-387.491 χ^2/NDF: 17.1/23

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

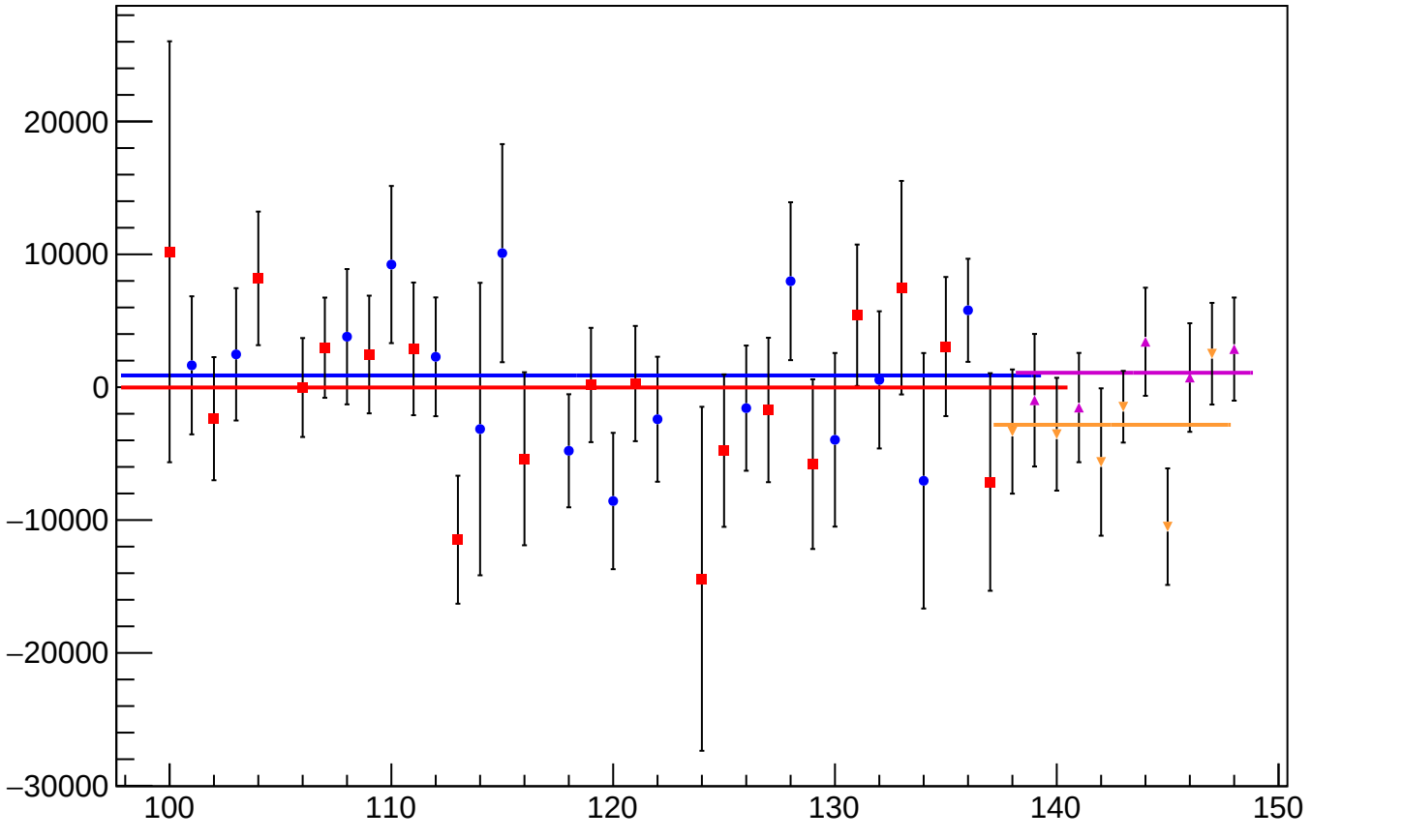
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45

- sign 1314.467+/-0.274 χ^2/NDF: 233563.7/23



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

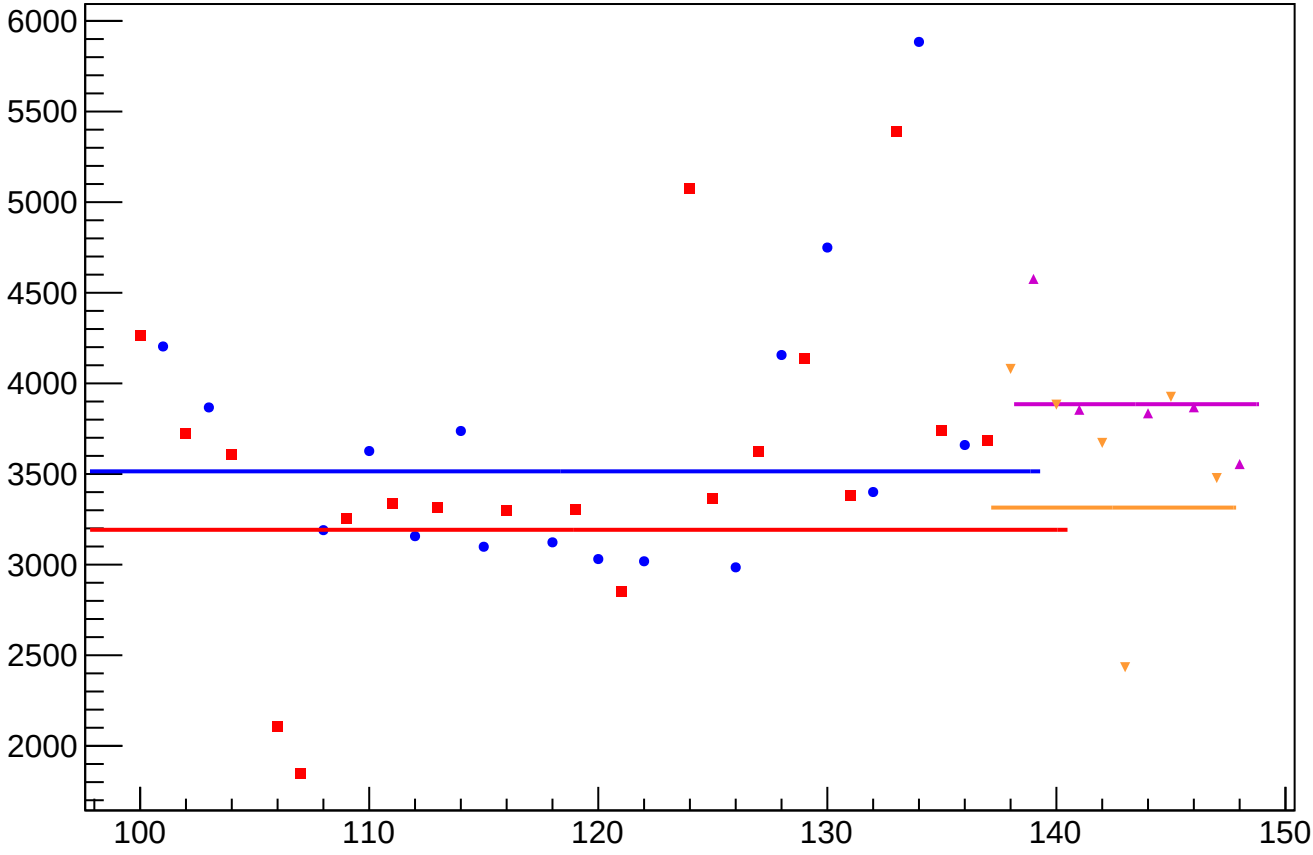
Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -159.720+/-718.057 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.935 χ^2/NDF: 18.2/23

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

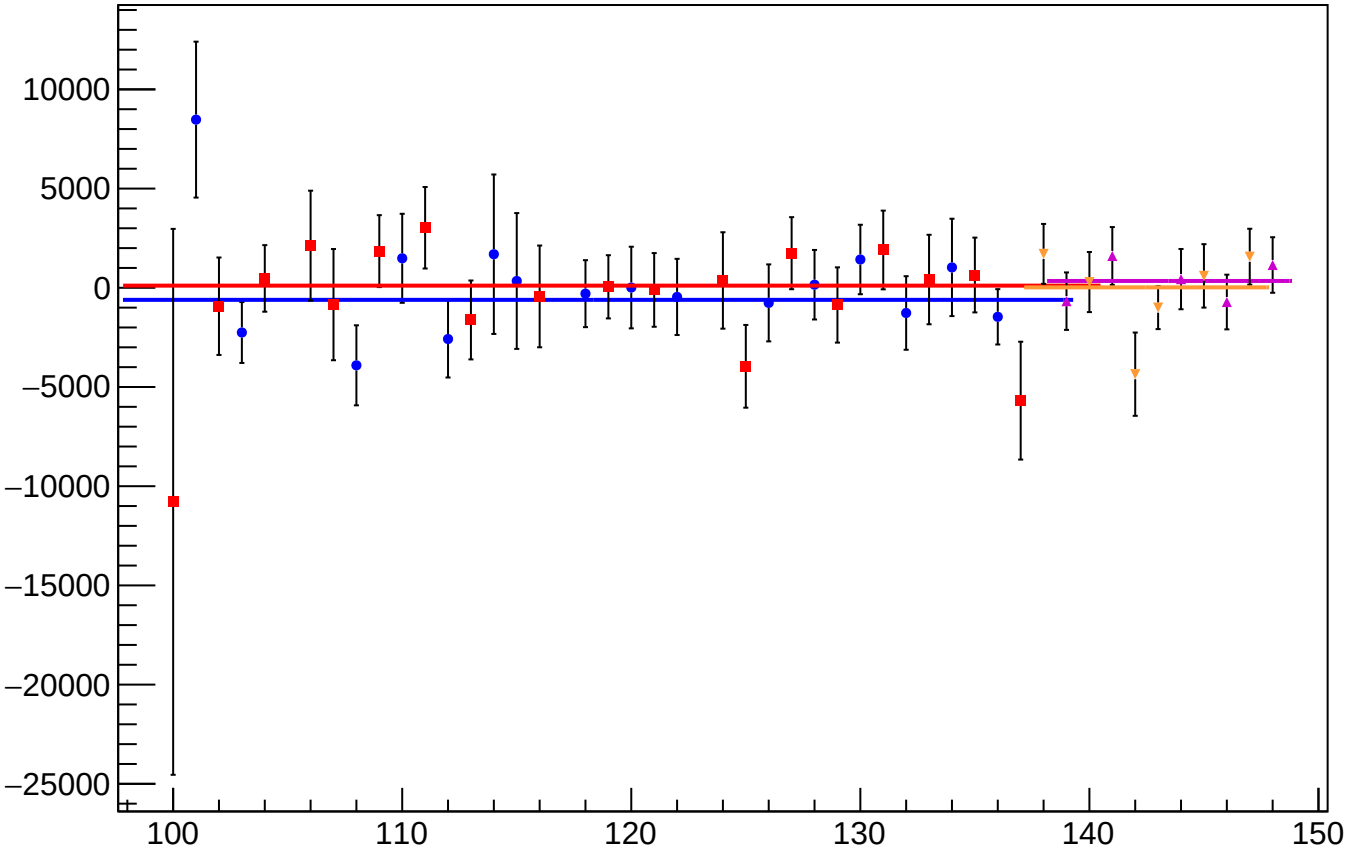
Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3433.109+/-0.722 χ^2/NDF: 747012.4/21

All: 3413.518+/-0.508 χ^2/NDF: 1768888.1/45

- sign 3394.354+/-0.714 χ^2/NDF: 1020419.4/23

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



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

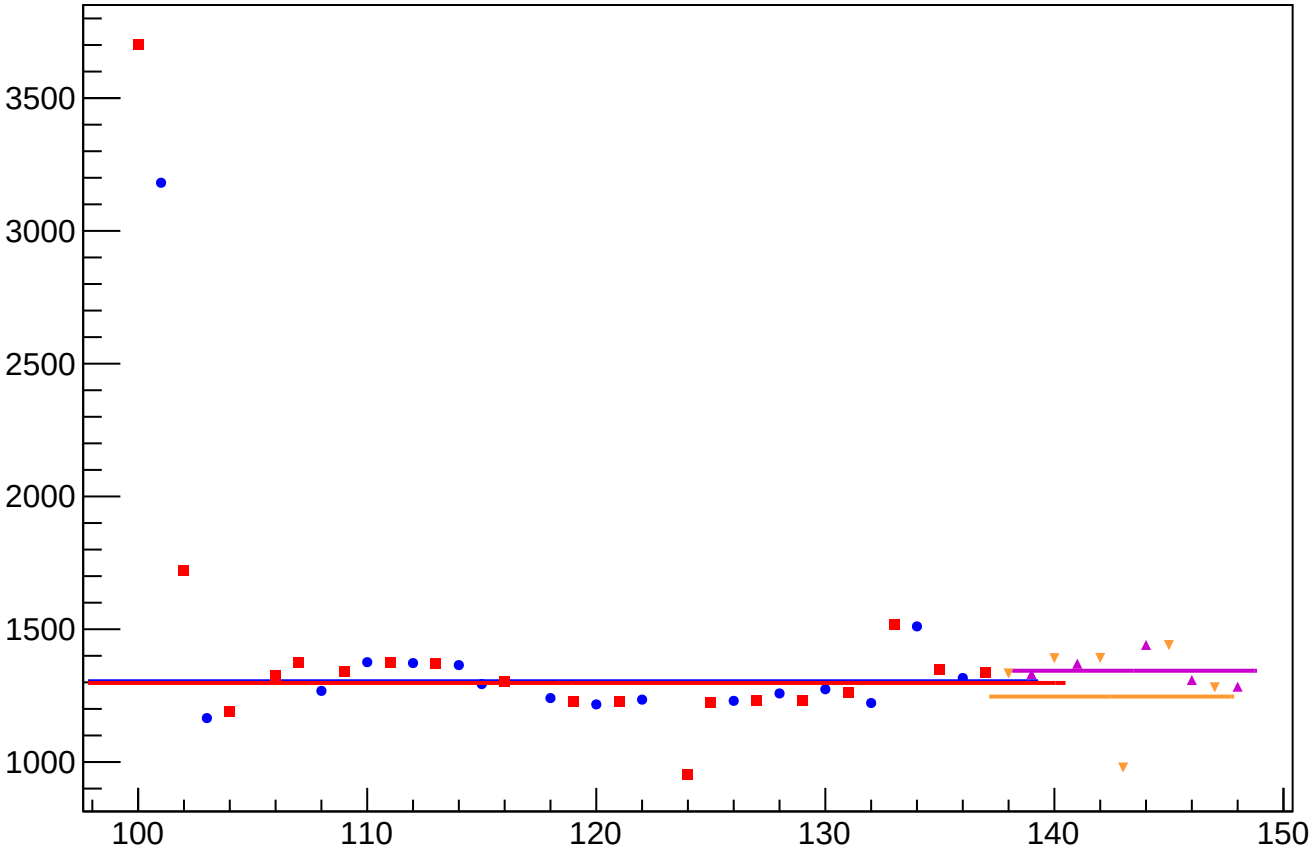
Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -83.382+/-271.136 χ^2/NDF: 40.8/45

- sign 194.204+/-387.491 χ^2/NDF: 17.1/23

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

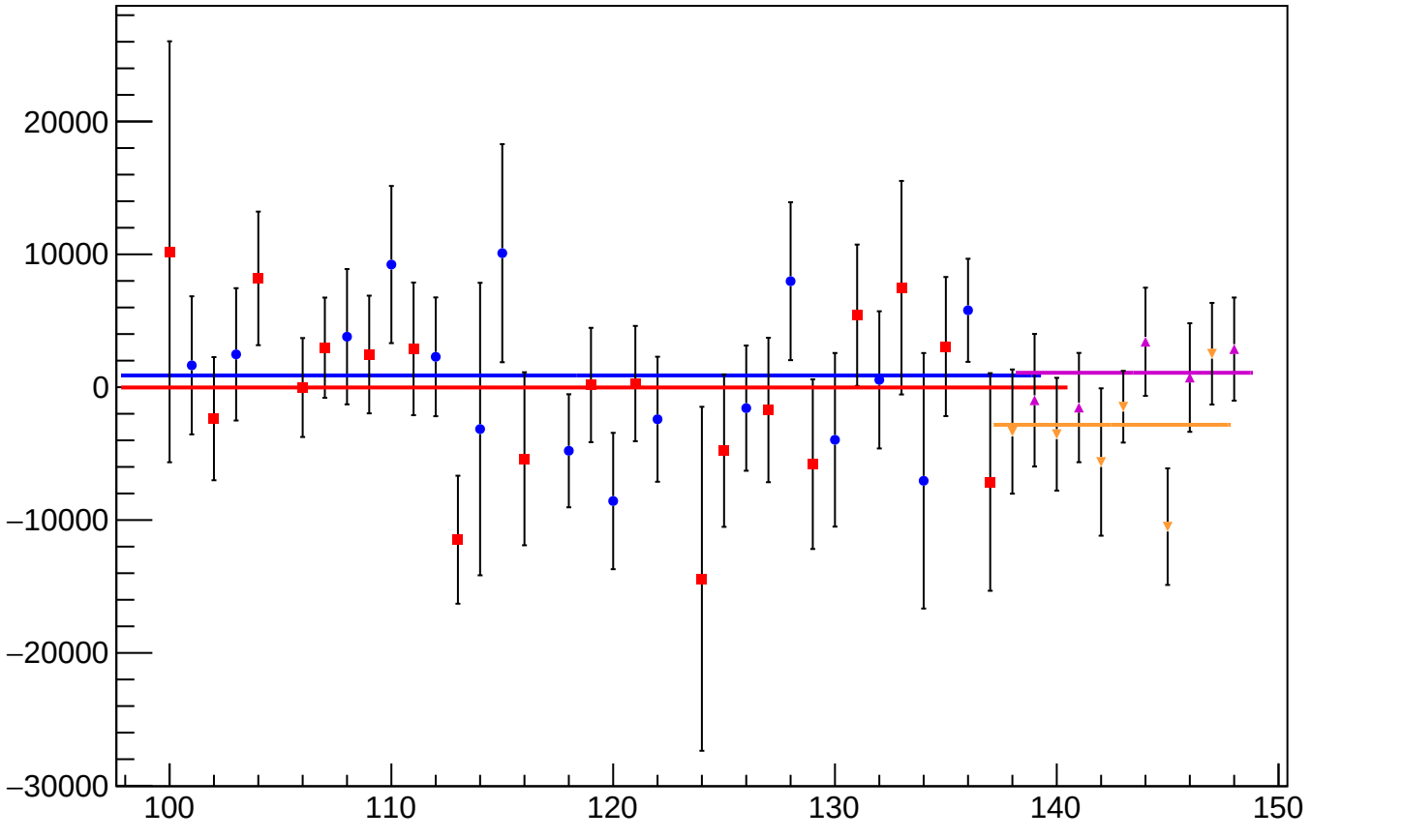
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45

- sign 1314.467+/-0.274 χ^2/NDF: 233564.1/23



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

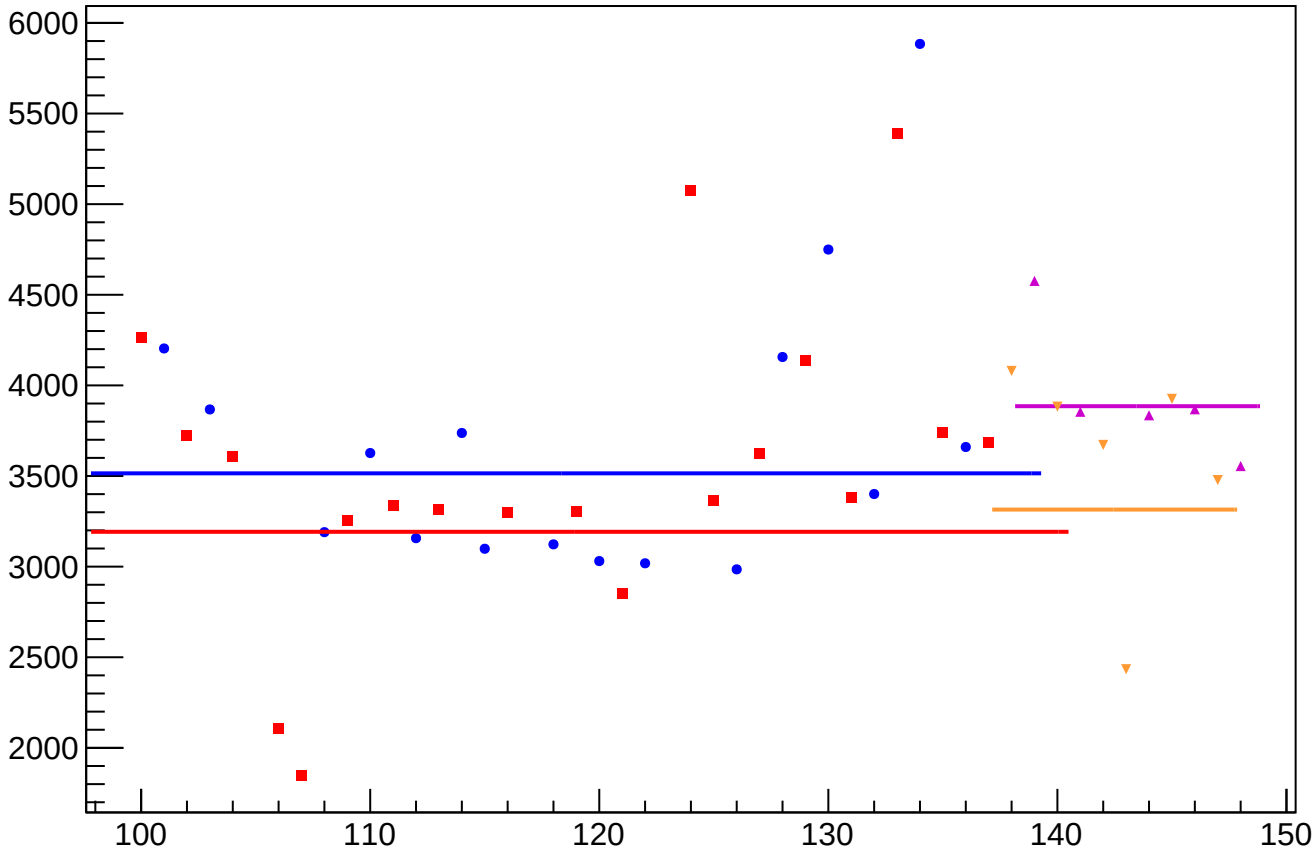
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -159.720+/-718.056 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.934 χ^2/NDF: 18.2/23



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

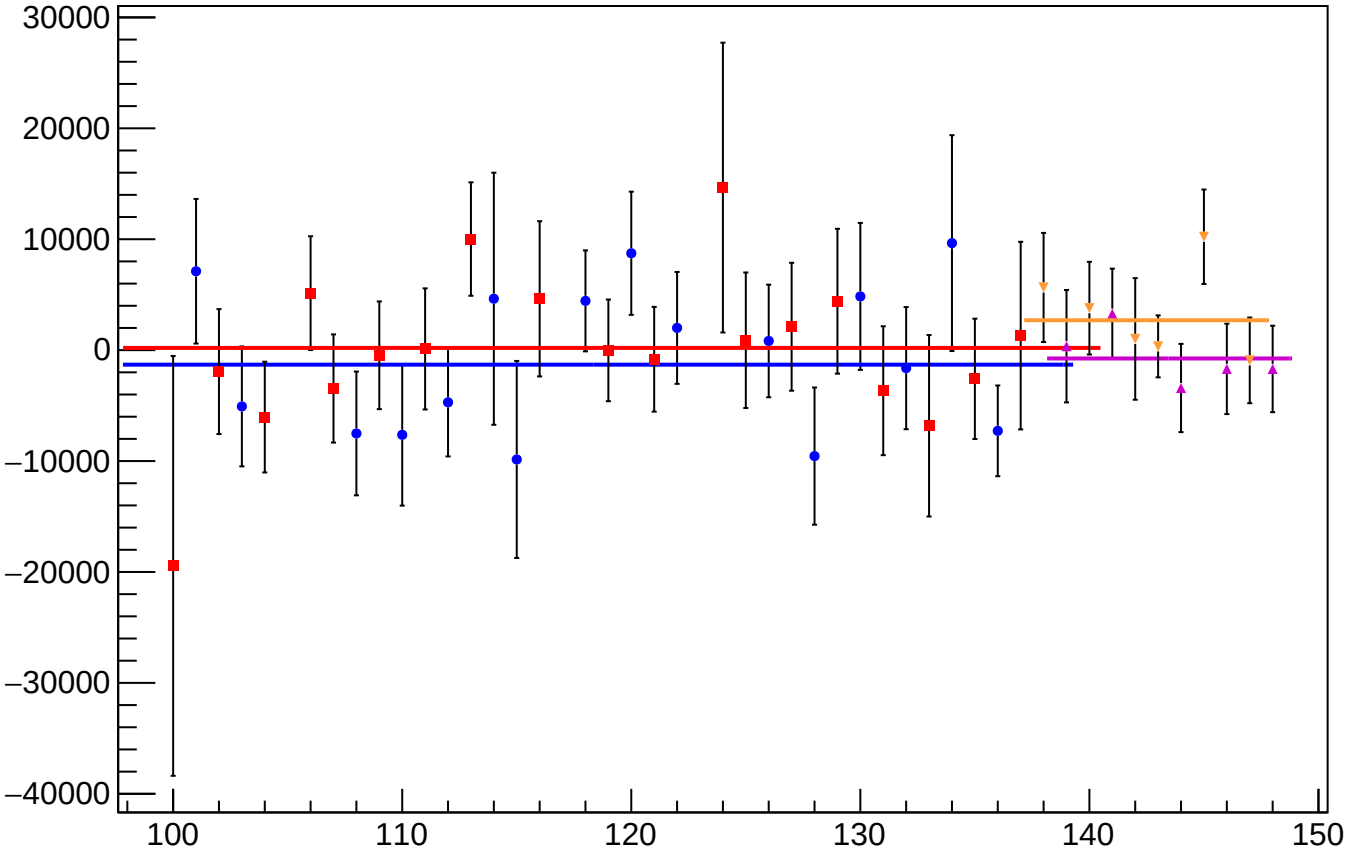
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45

- sign 3394.349+/-0.714 χ^2/NDF: 1020429.9/23

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

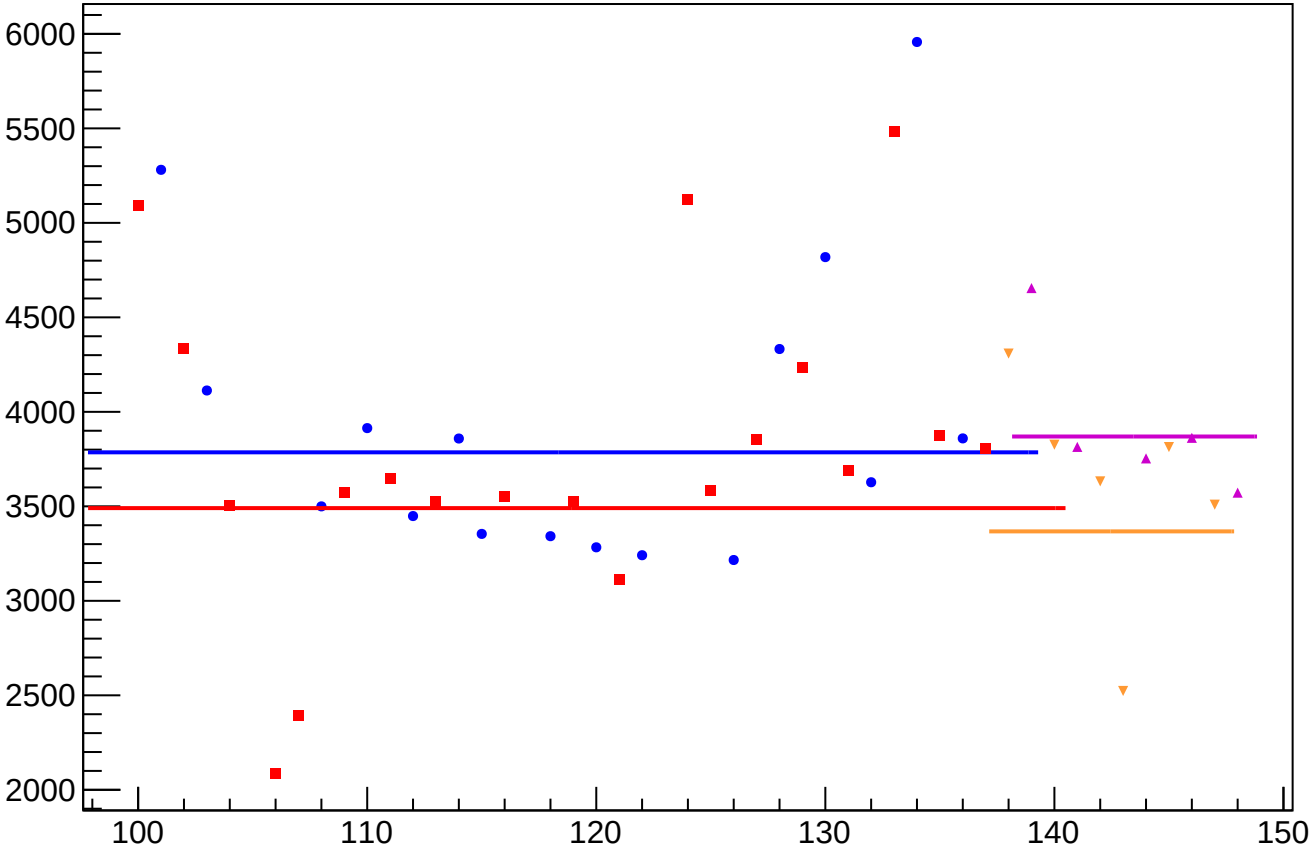
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 166.614+/-762.728 χ^2/NDF: 39.8/45

- sign -122.638+/-1085.378 χ^2/NDF: 13.4/23

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

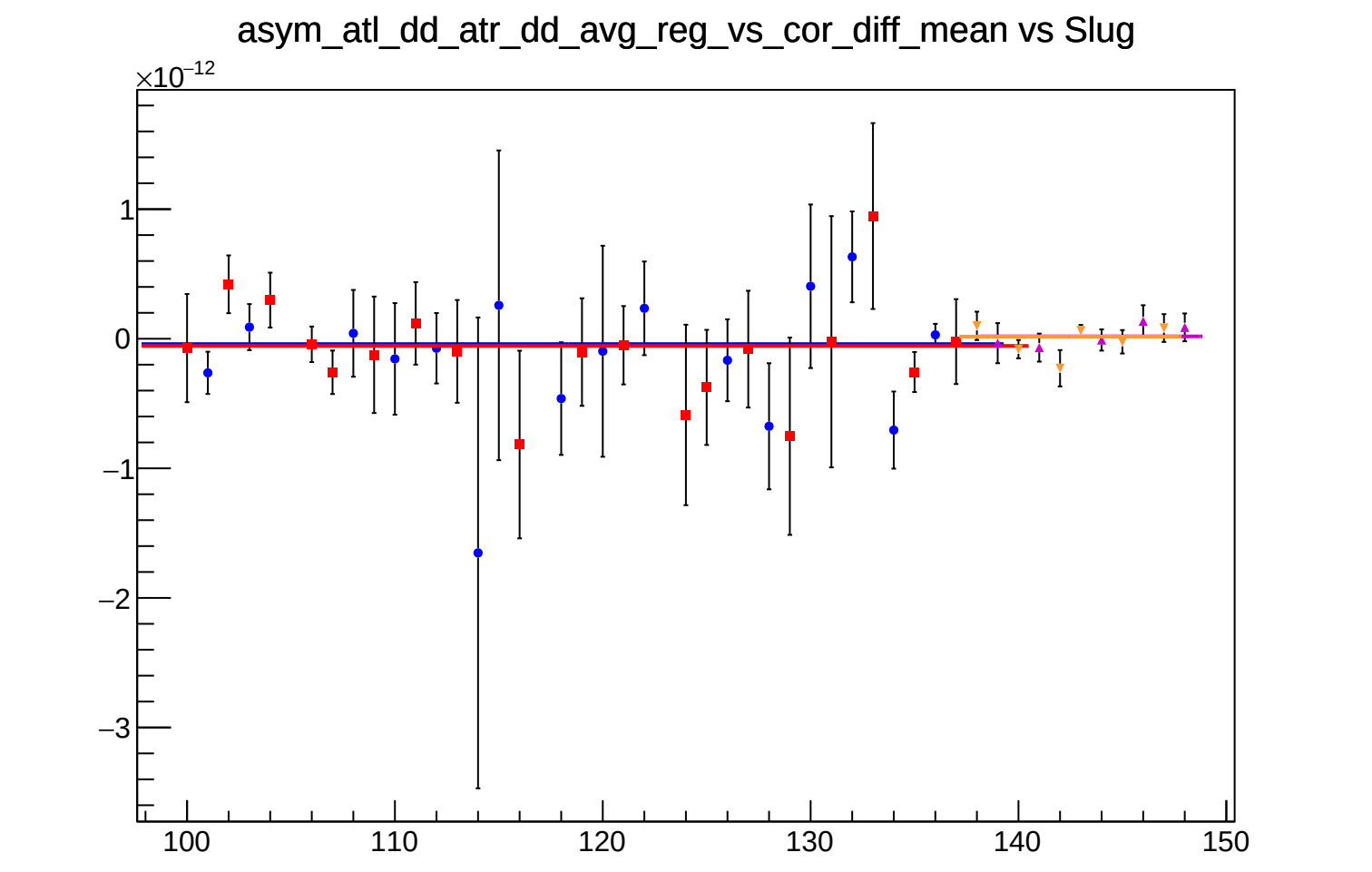
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45

- sign 3617.141+/-0.761 χ^2/NDF: 703698.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

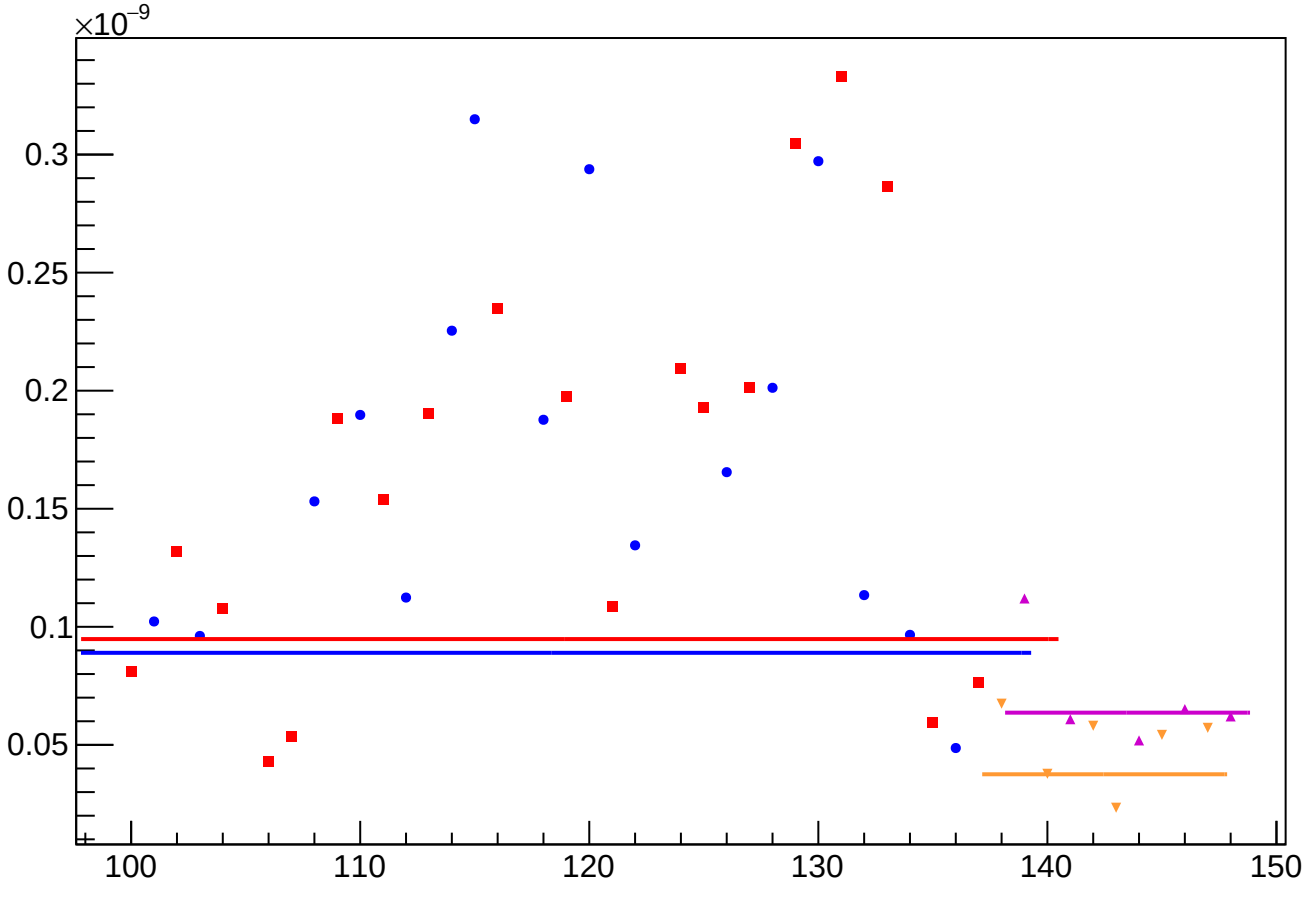
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: 0.000+/-0.000 χ^2/NDF: 43.5/45

- sign -0.000+/-0.000 χ^2/NDF: 18.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

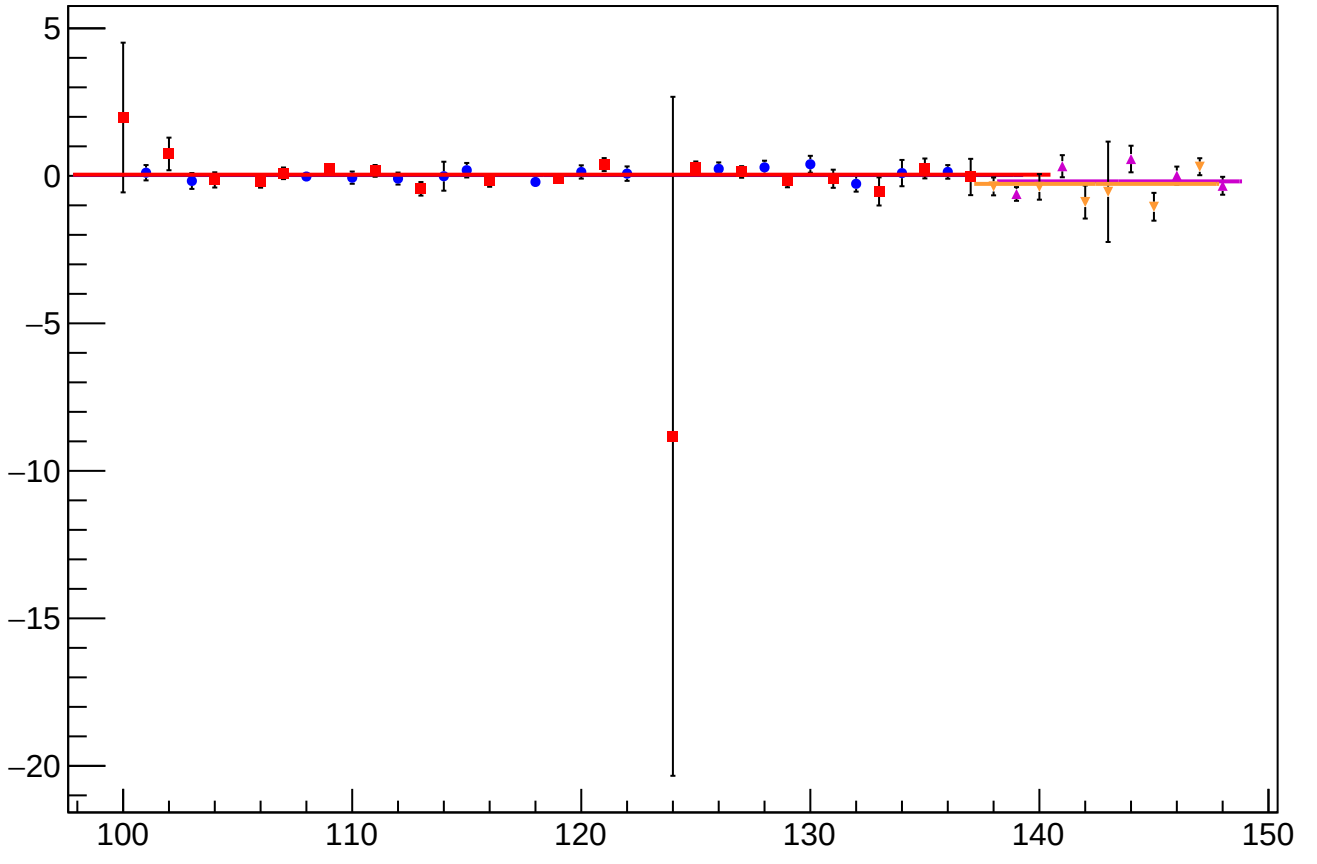
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2275329.8/23



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

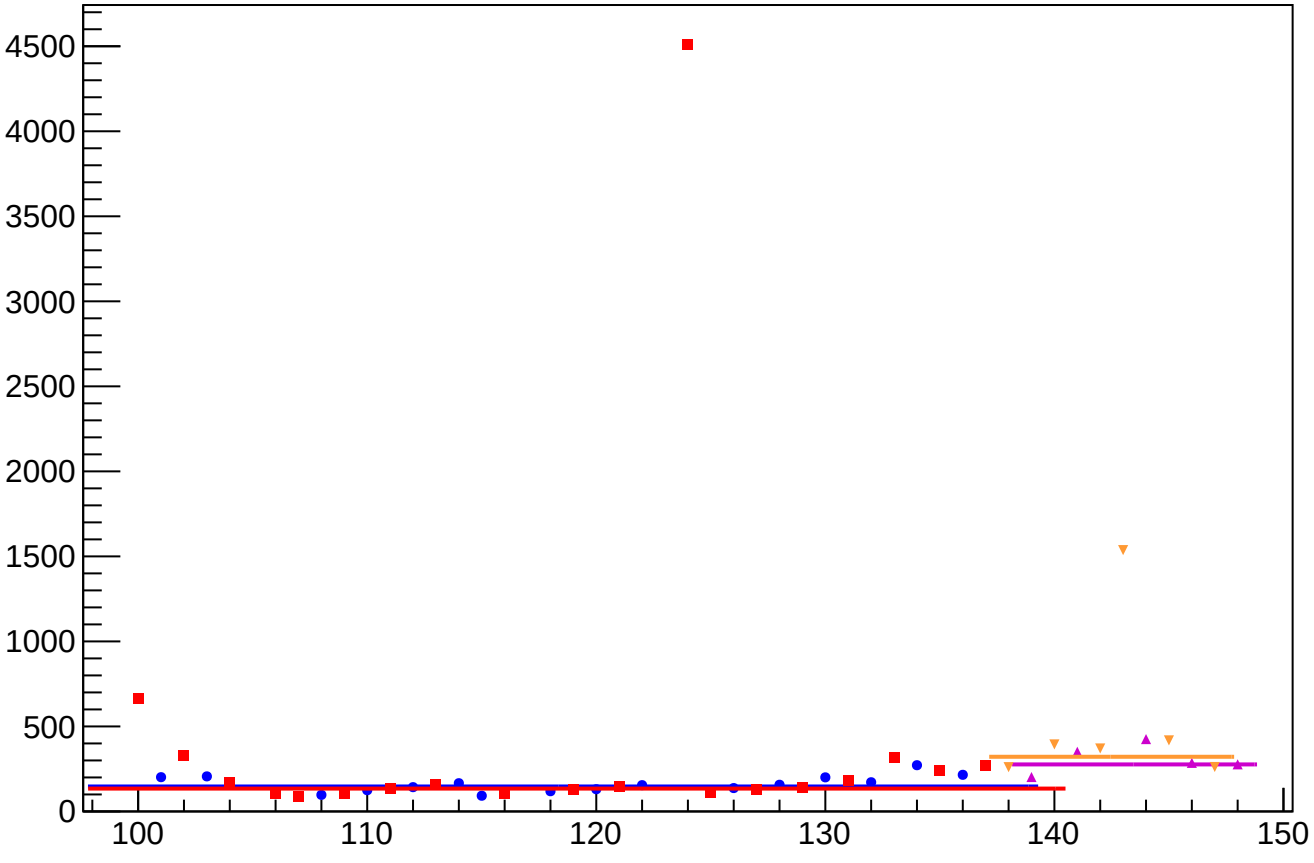
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

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

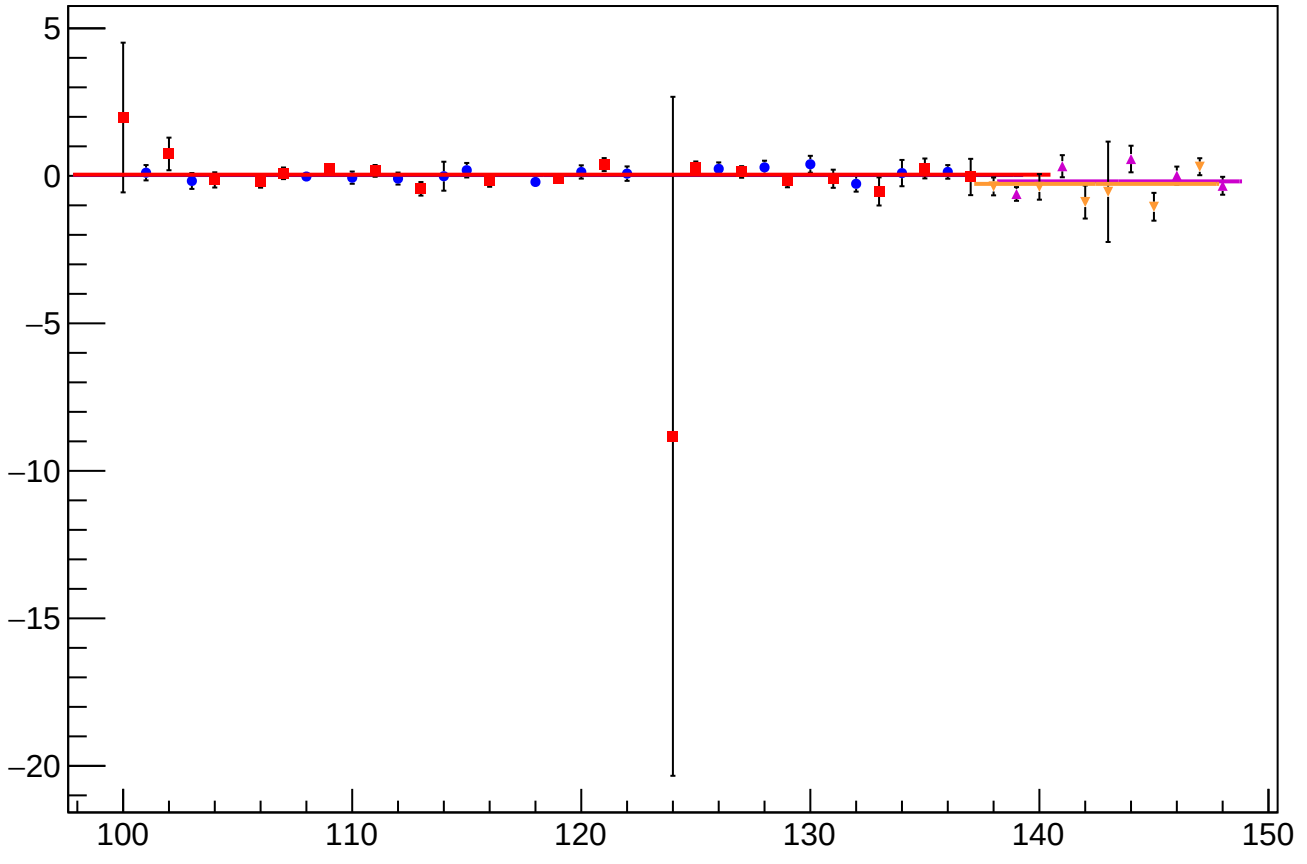
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

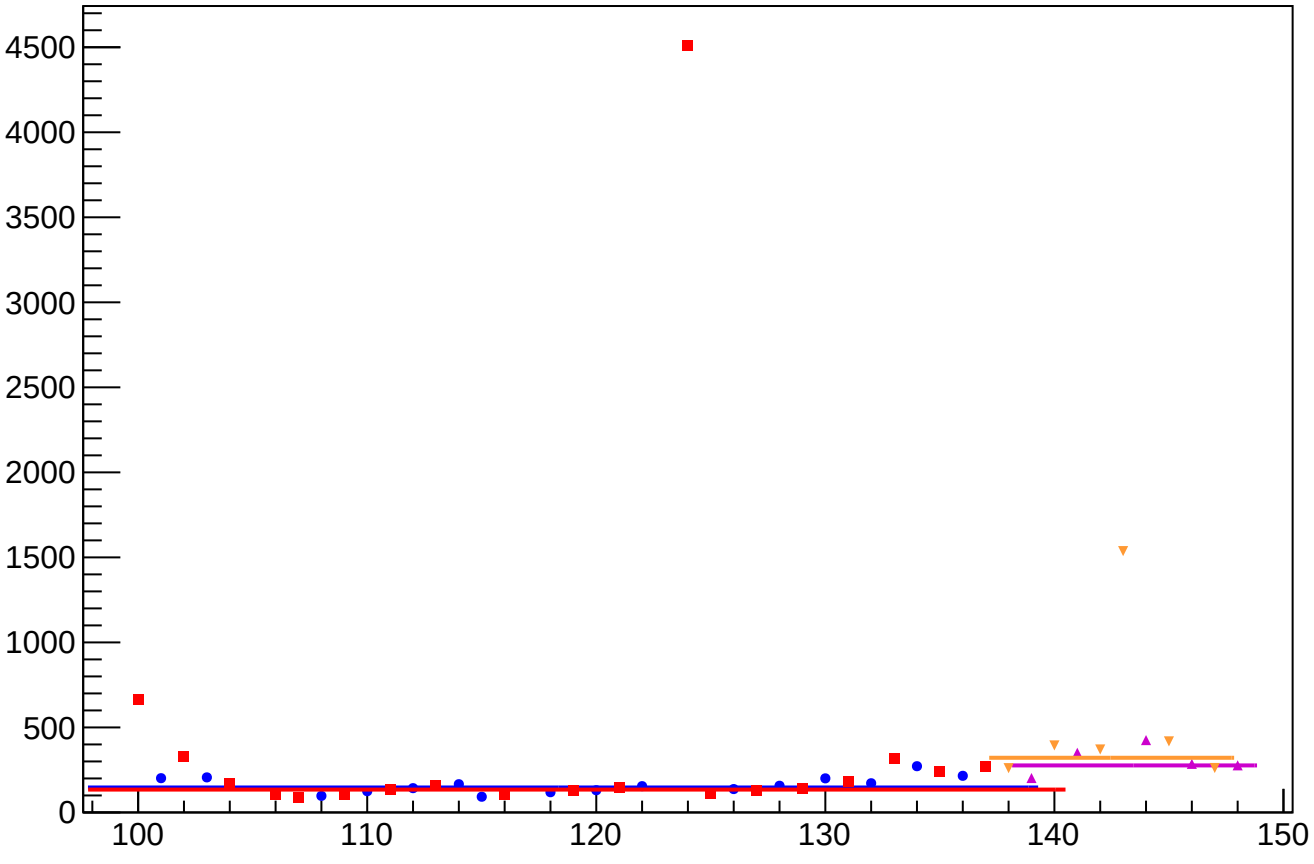
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

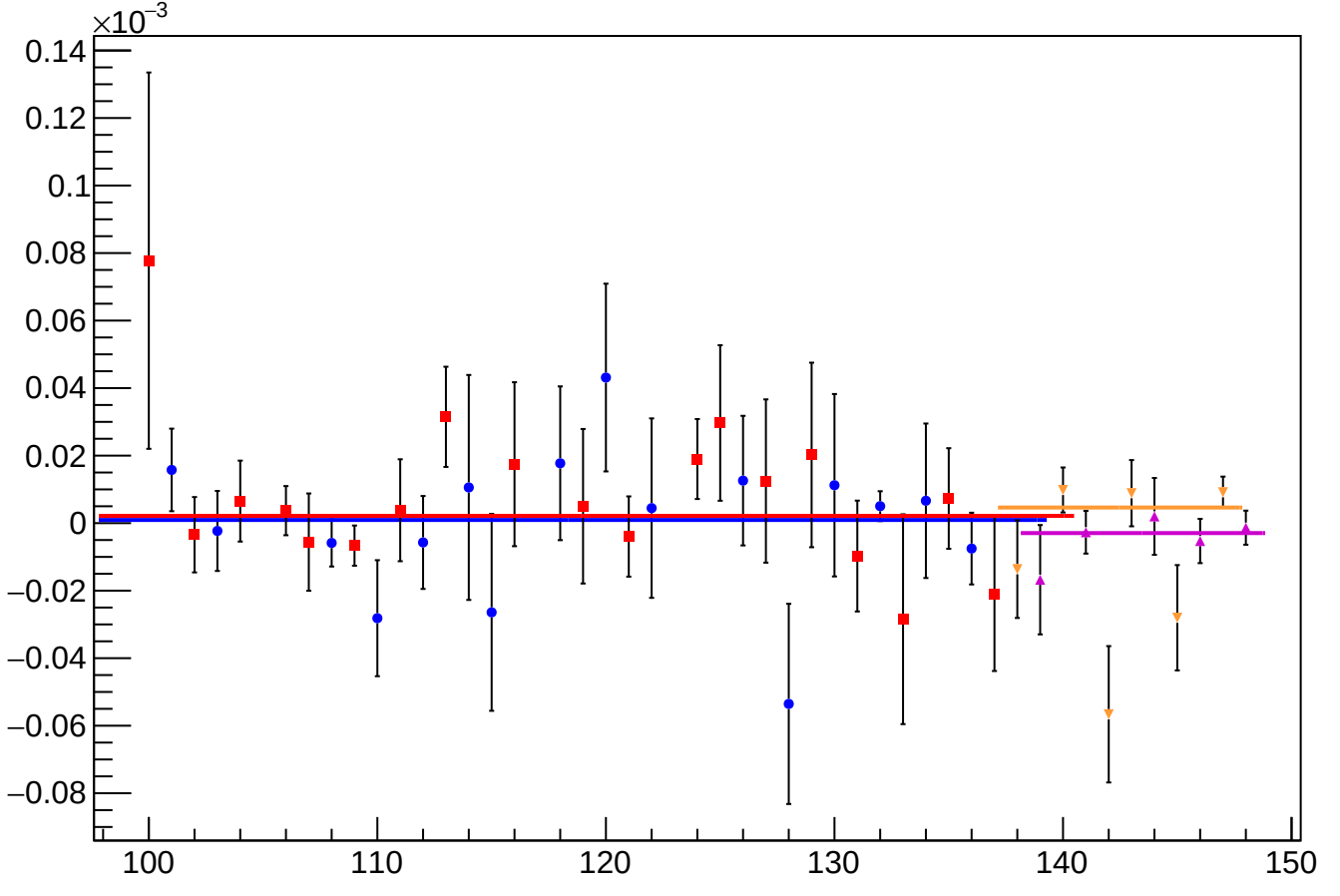
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

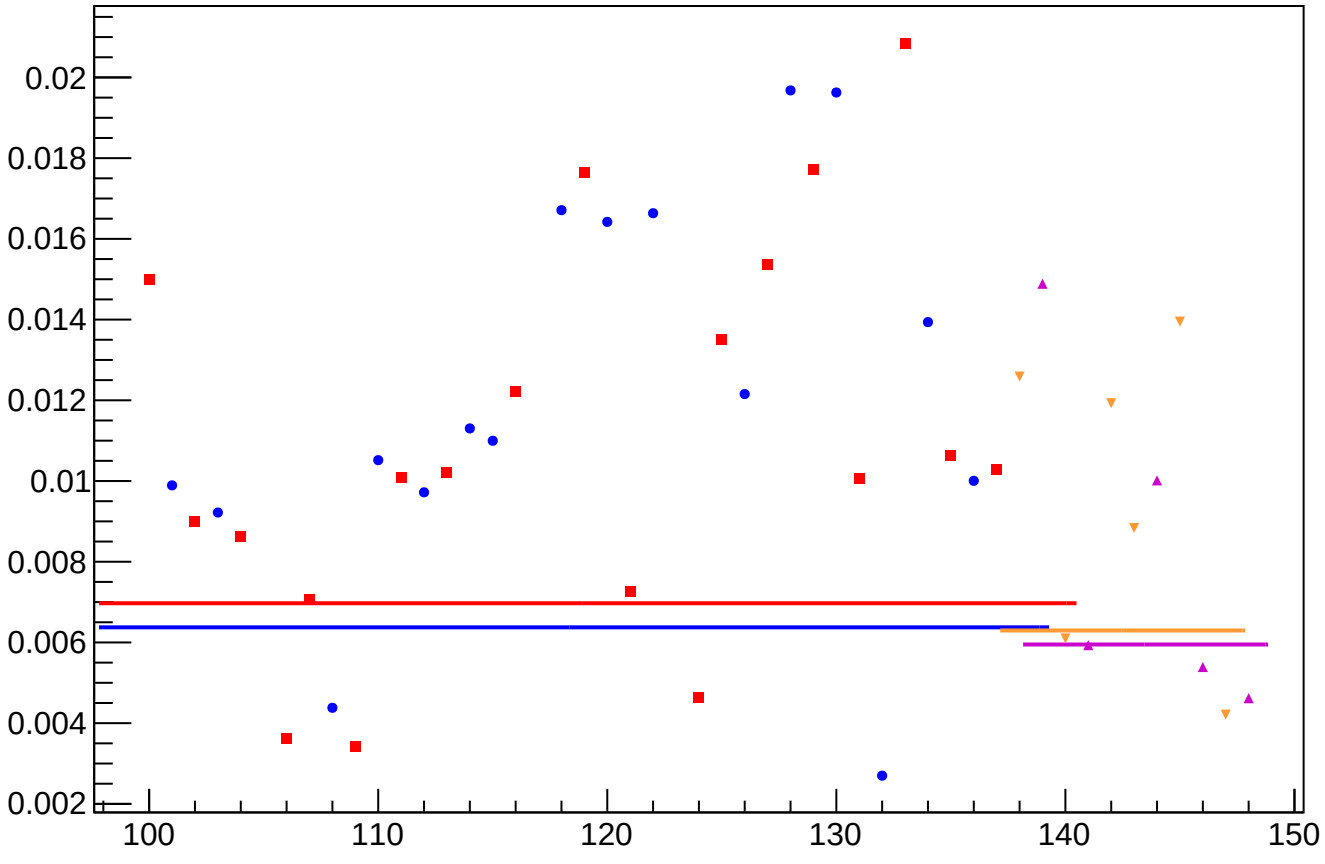
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 51.9/45

- sign -0.000+/-0.000 χ^2/NDF: 18.5/23



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

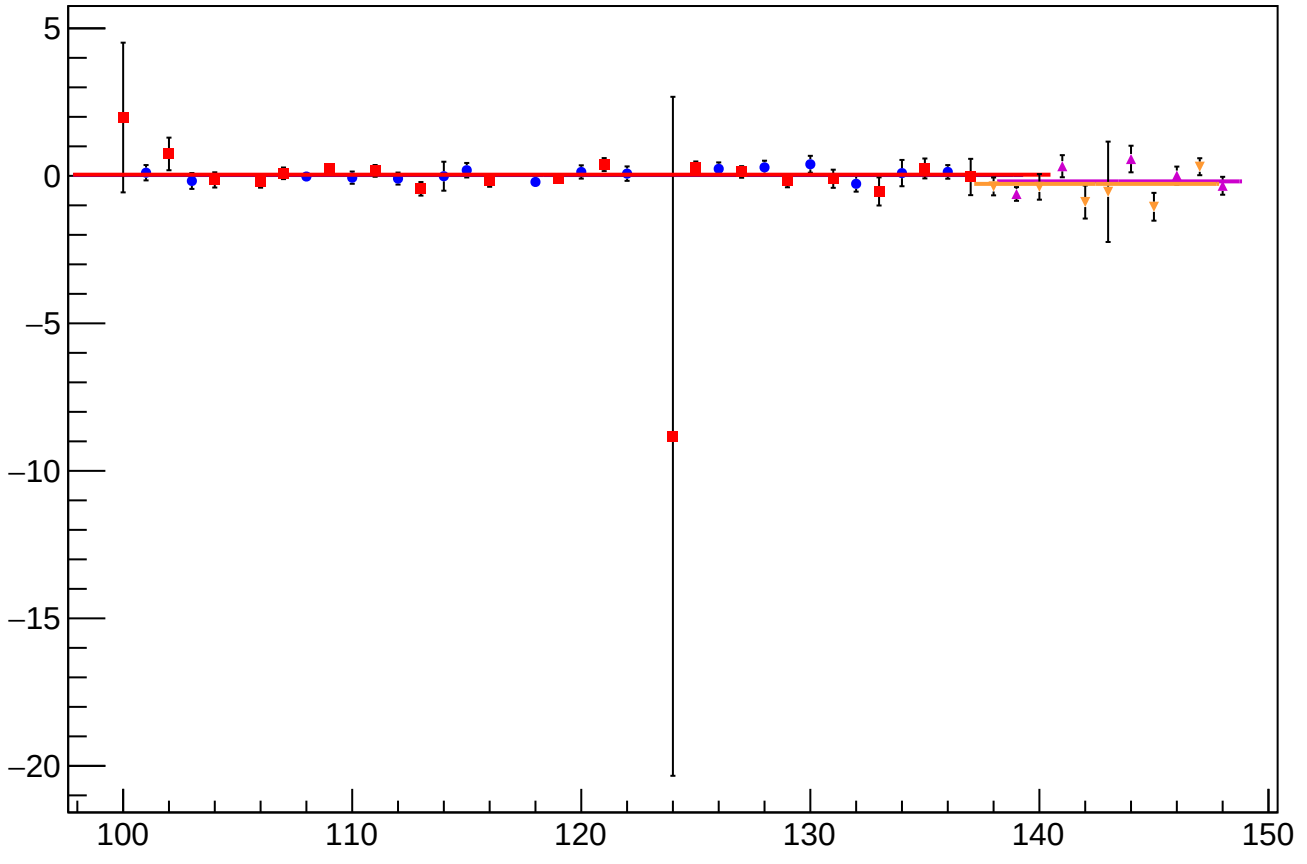
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6198103.6/21

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

- sign 0.006+/-0.000 χ^2/NDF: 4537208.2/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

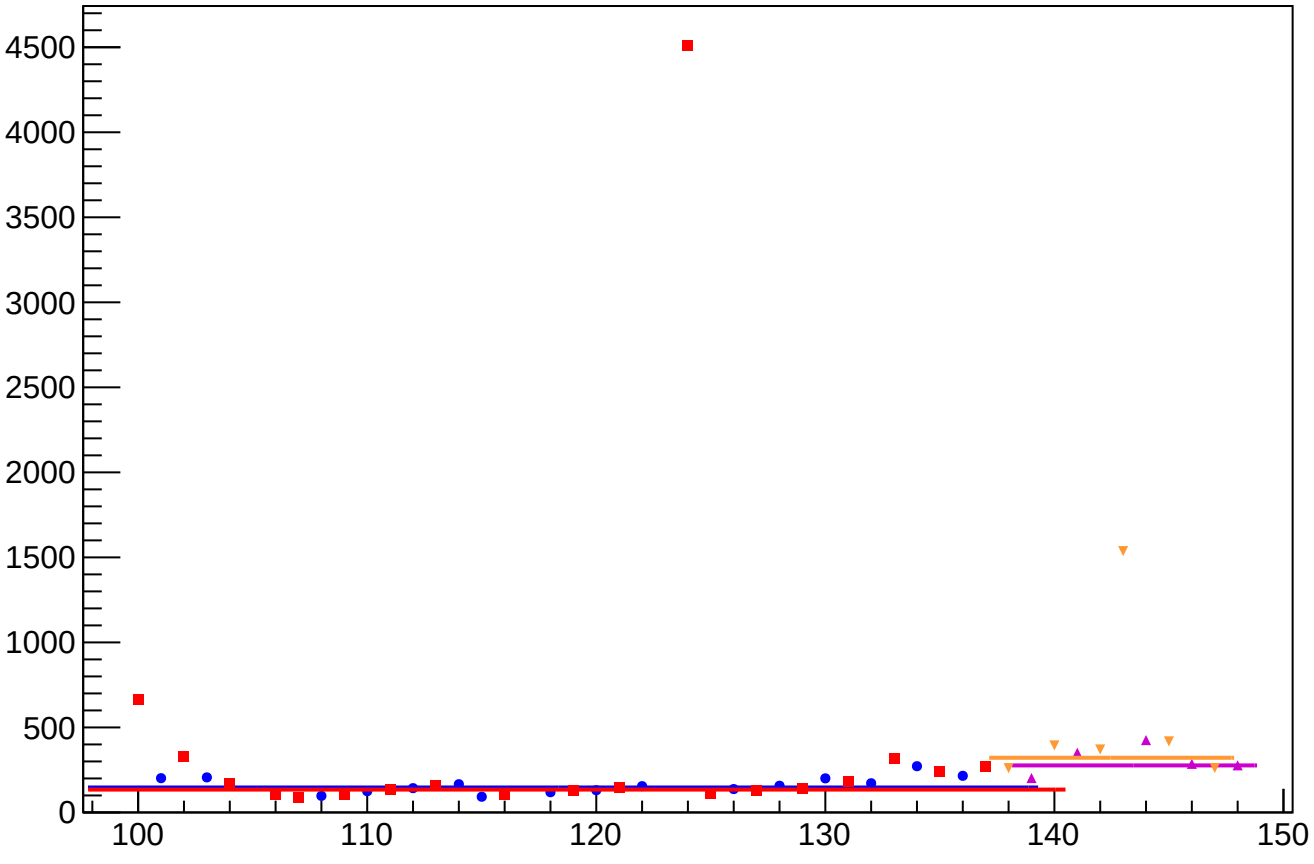
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

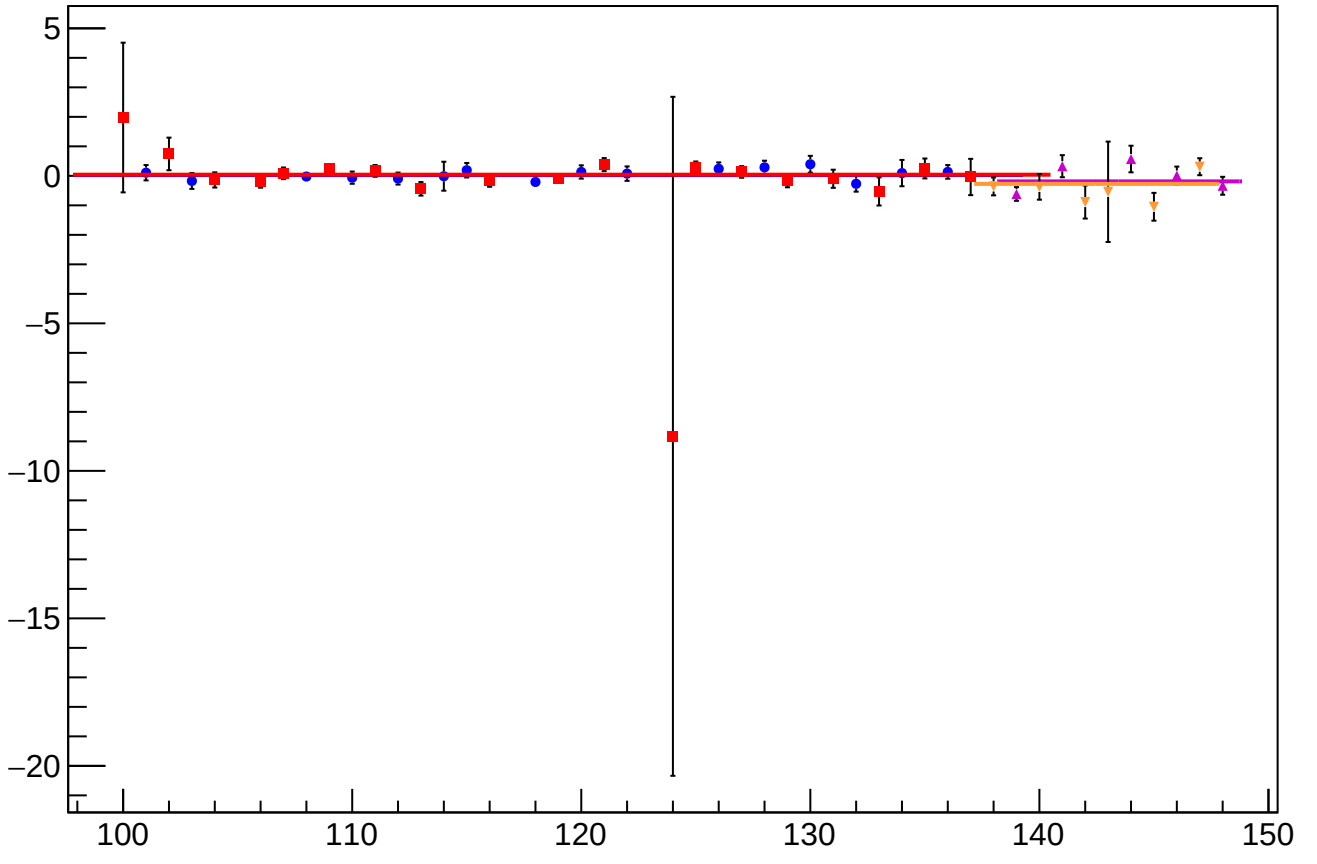
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

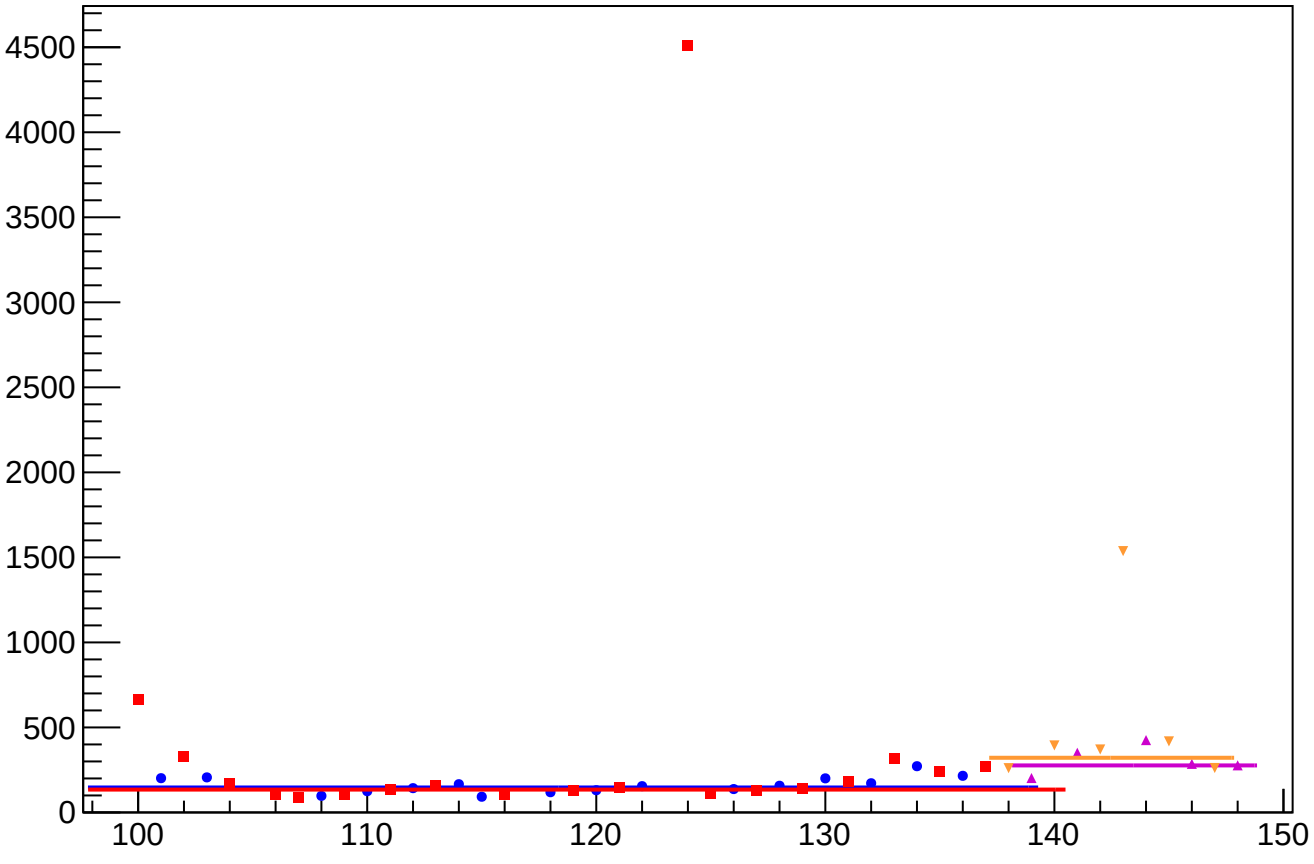
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

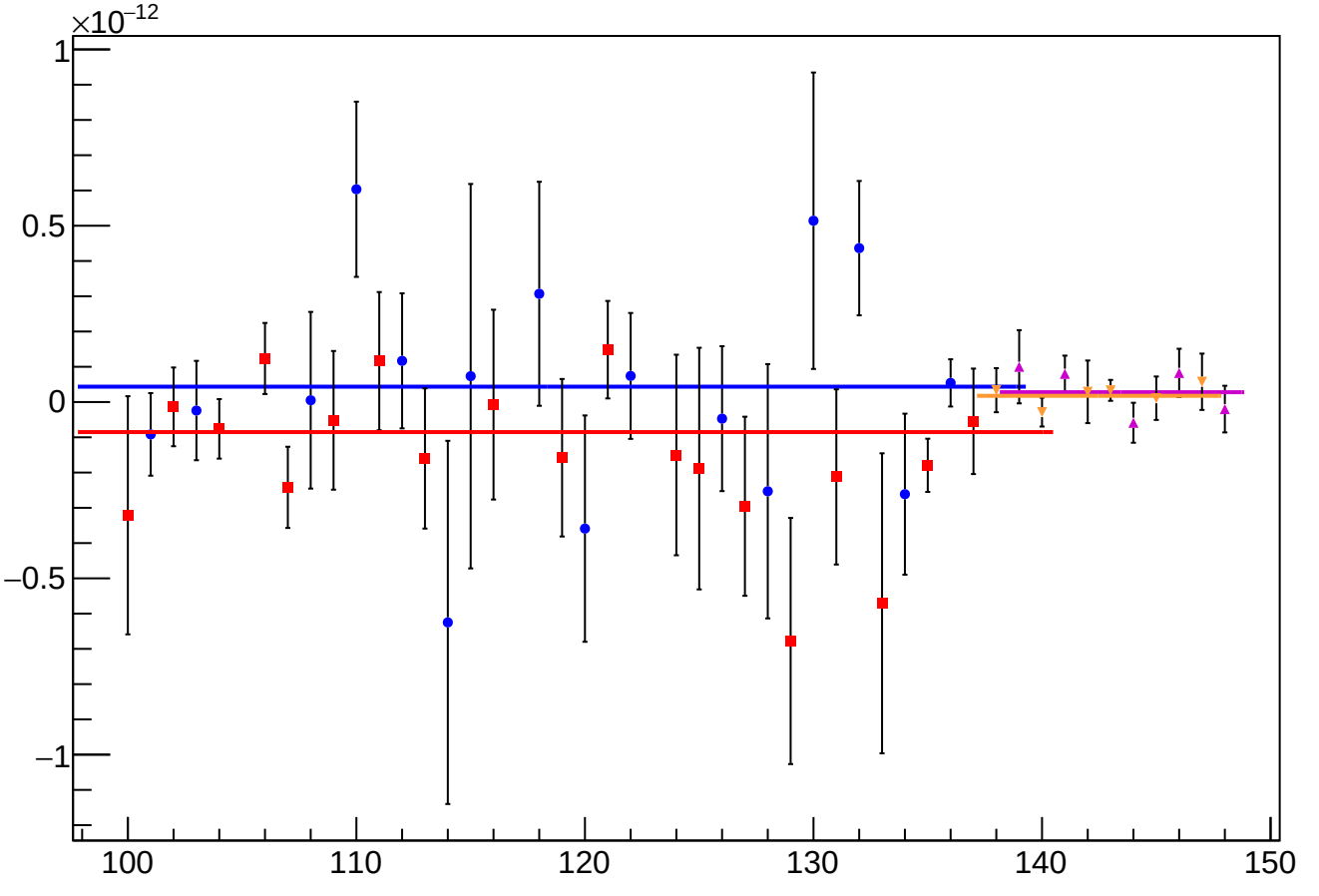
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

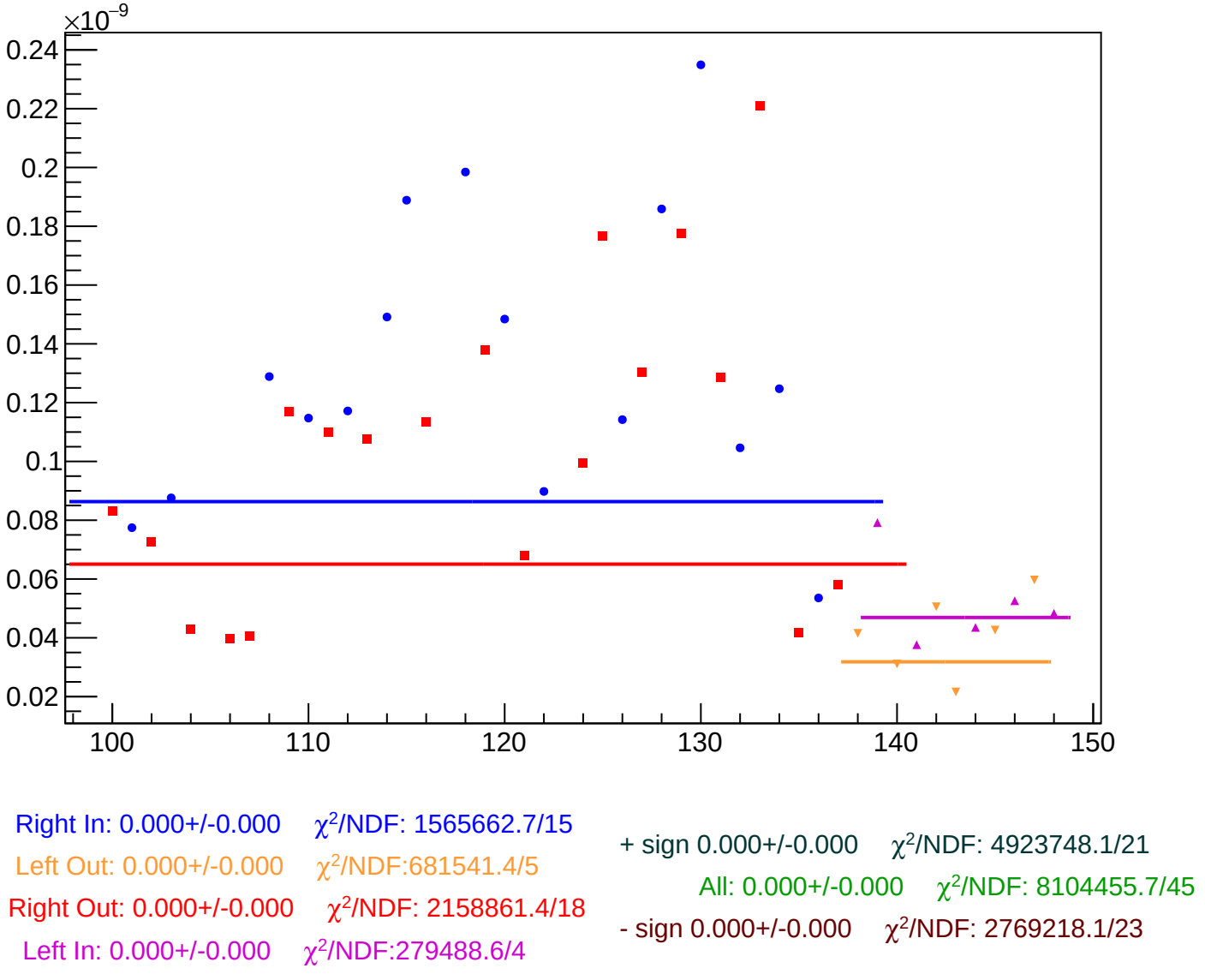
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

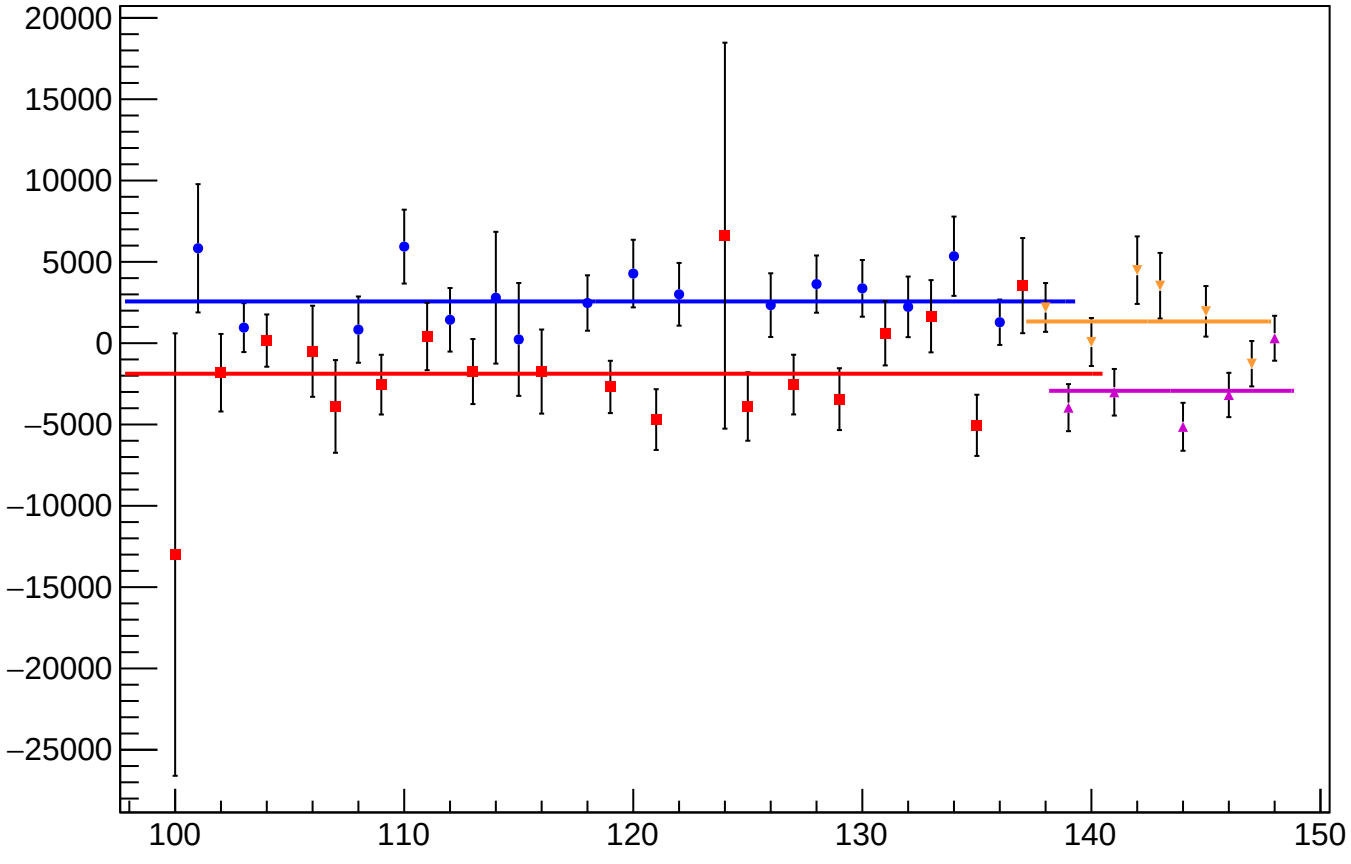
+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.9/45

- sign -0.000+/-0.000 χ^2/NDF: 29.6/23


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:681541.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:279488.6/4
+ sign 0.000+/-0.000 χ²/NDF: 4923748.1/21
All: 0.000+/-0.000 χ²/NDF: 8104455.7/45
- sign 0.000+/-0.000 χ²/NDF: 2769218.1/23

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

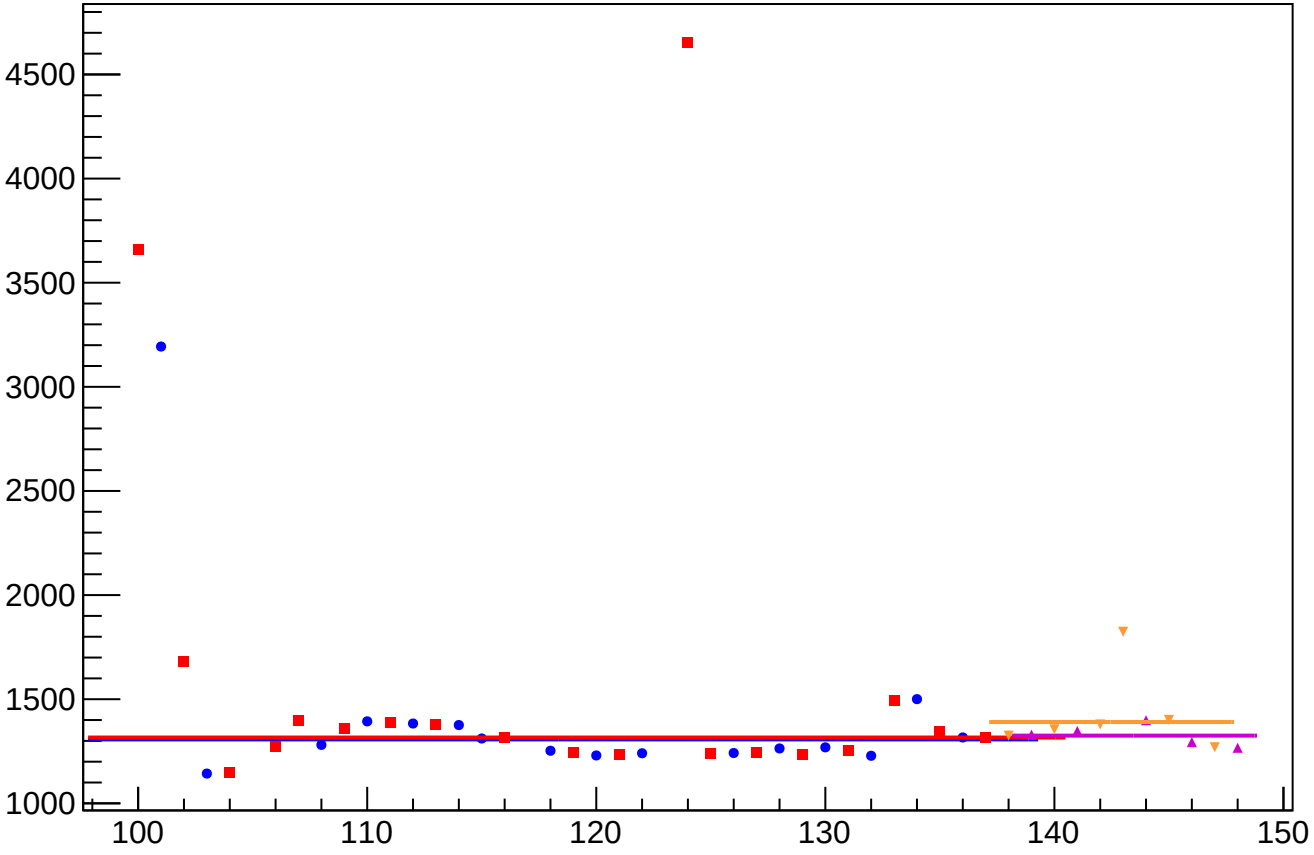
Left In: -2928.758+/-634.003 χ^2/NDF:8.3/4

+ sign 2121.672+/-395.791 χ^2/NDF: 19.5/21

All: -109.248+/-277.807 χ^2/NDF: 111.6/45

- sign -2275.680+/-390.028 χ^2/NDF: 29.5/23

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

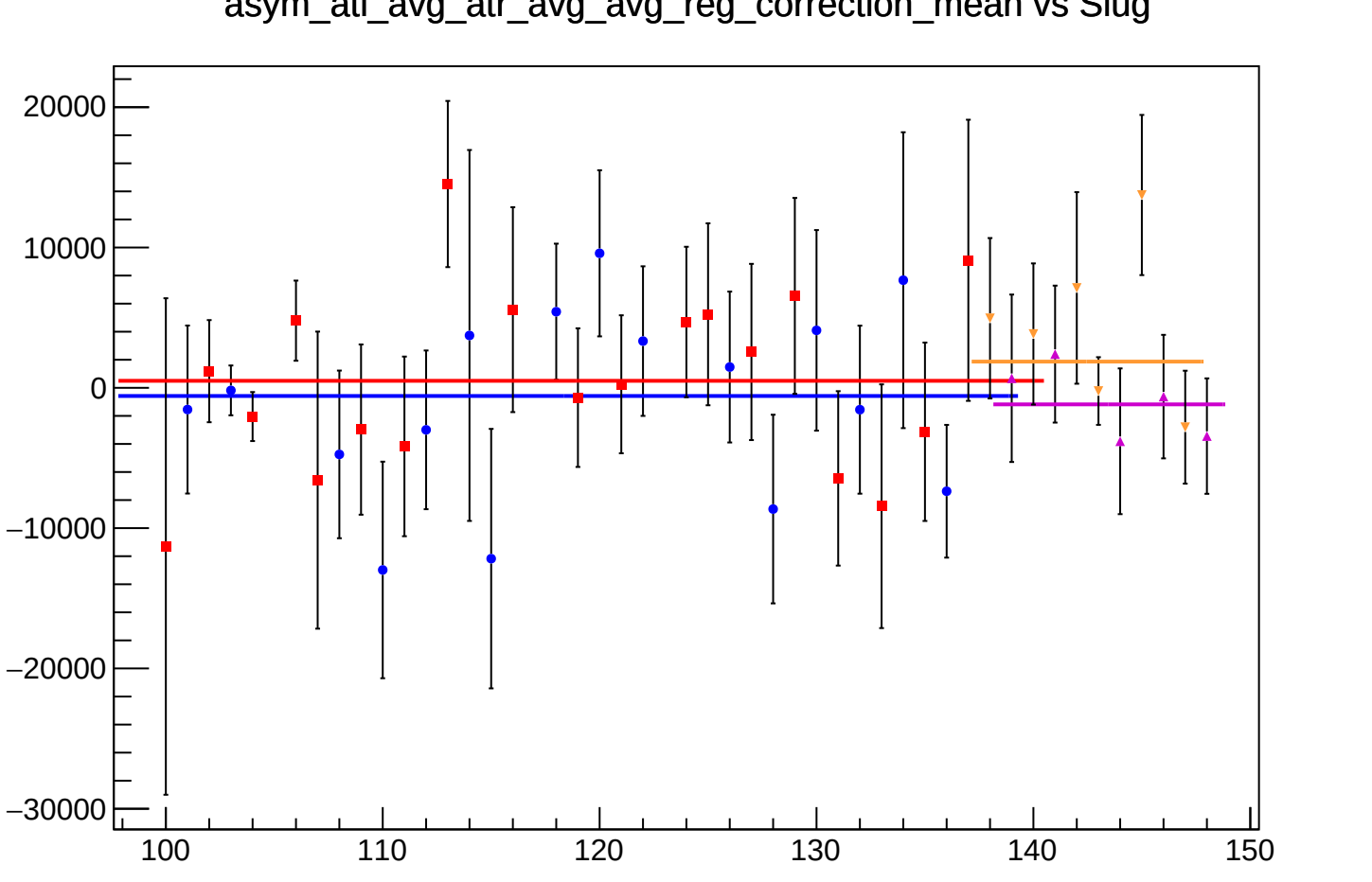
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1337.289+/-0.280 χ^2/NDF: 649219.2/21

All: 1328.222+/-0.196 χ^2/NDF: 988097.4/45

- sign 1319.446+/-0.275 χ^2/NDF: 336812.6/23



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1868.919+/-1675.723 χ^2/NDF:7.5/5

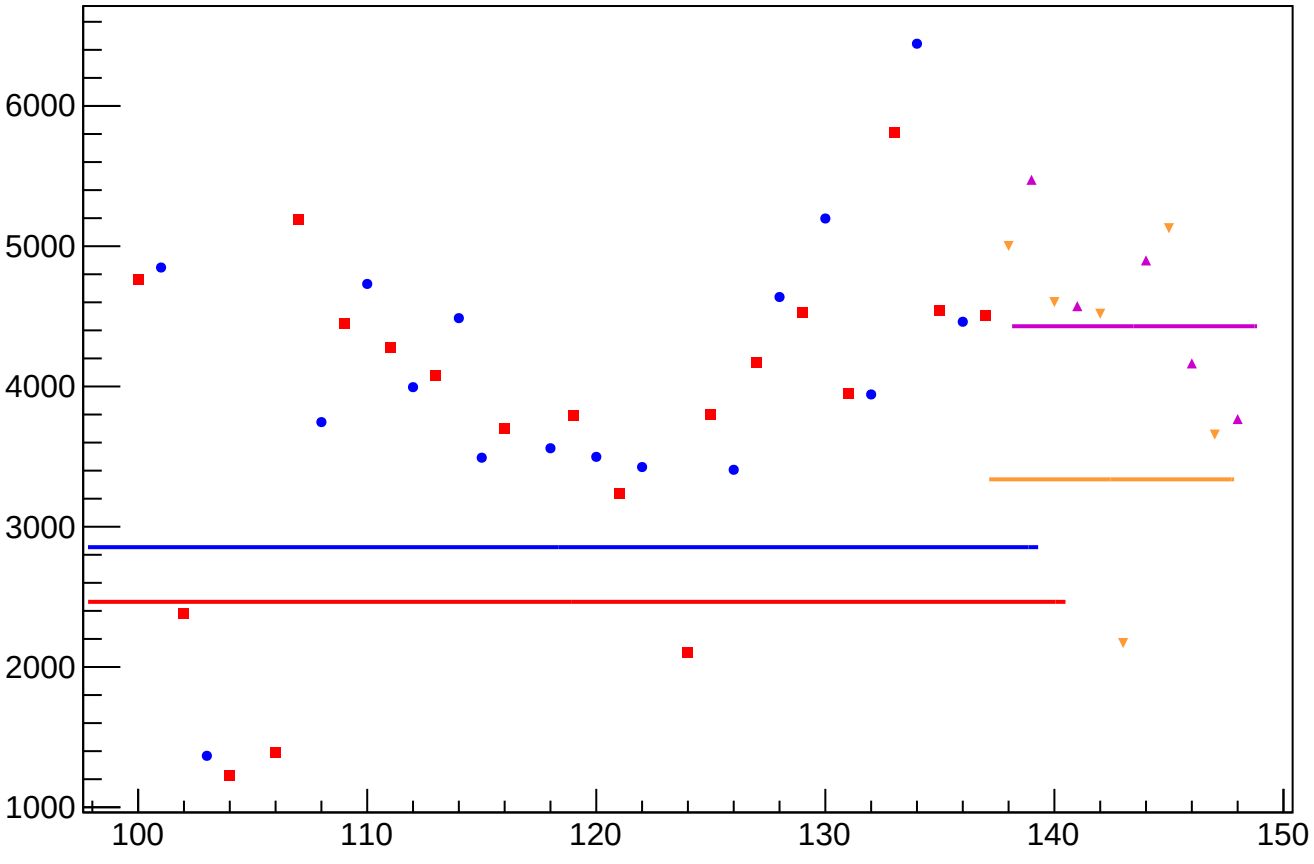
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1179.065+/-2142.497 χ^2/NDF:1.2/4

+ sign 242.409+/-971.790 χ^2/NDF: 23.6/21

All: 206.383+/-678.147 χ^2/NDF: 43.0/45

- sign 172.186+/-946.788 χ^2/NDF: 19.4/23



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

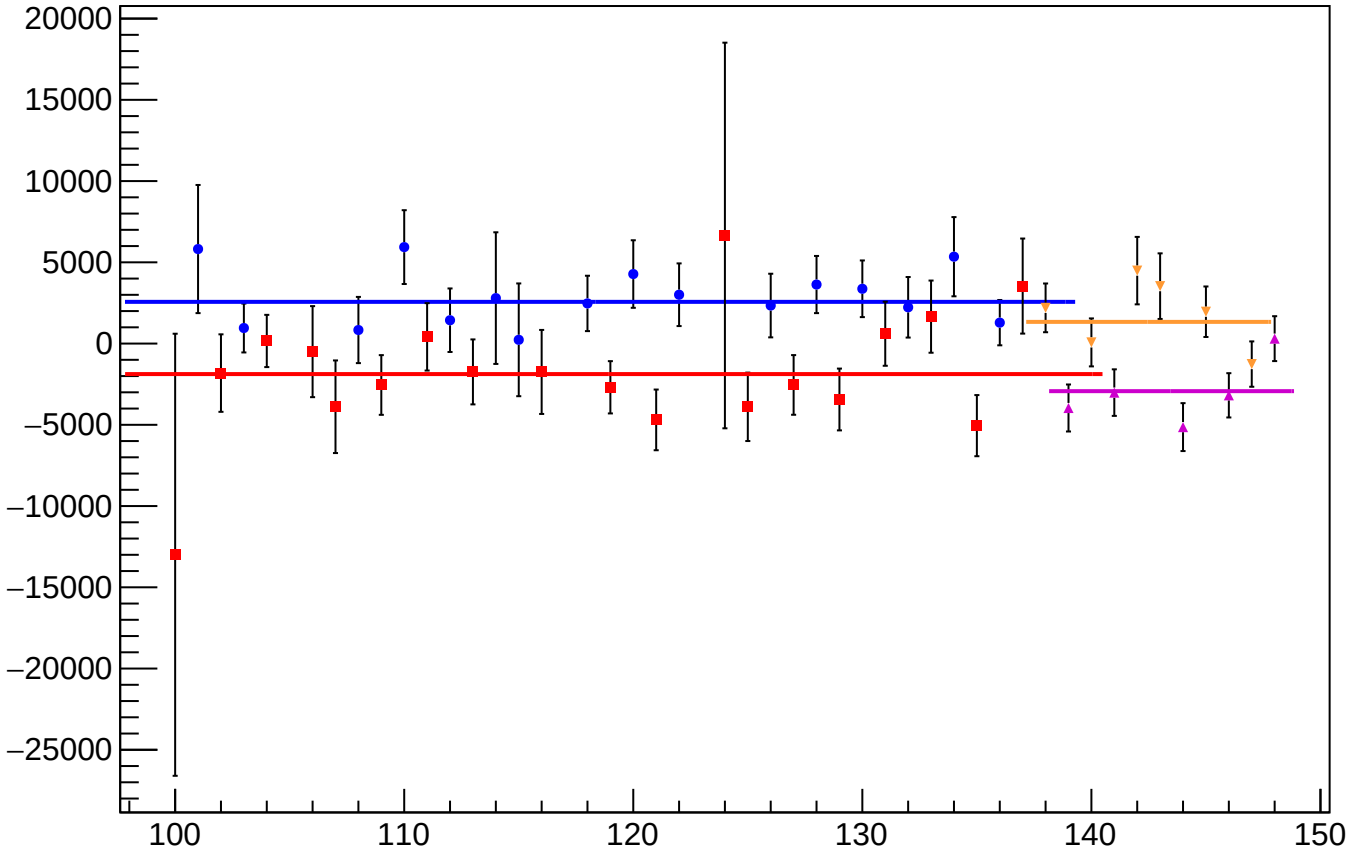
Left In: 4429.419+/-1.515 χ^2/NDF:138294.0/4

+ sign 3016.925+/-0.687 χ^2/NDF: 4049053.5/21

All: 2930.410+/-0.480 χ^2/NDF: 8927762.4/45

- sign 2848.290+/-0.669 χ^2/NDF: 4847811.5/23

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

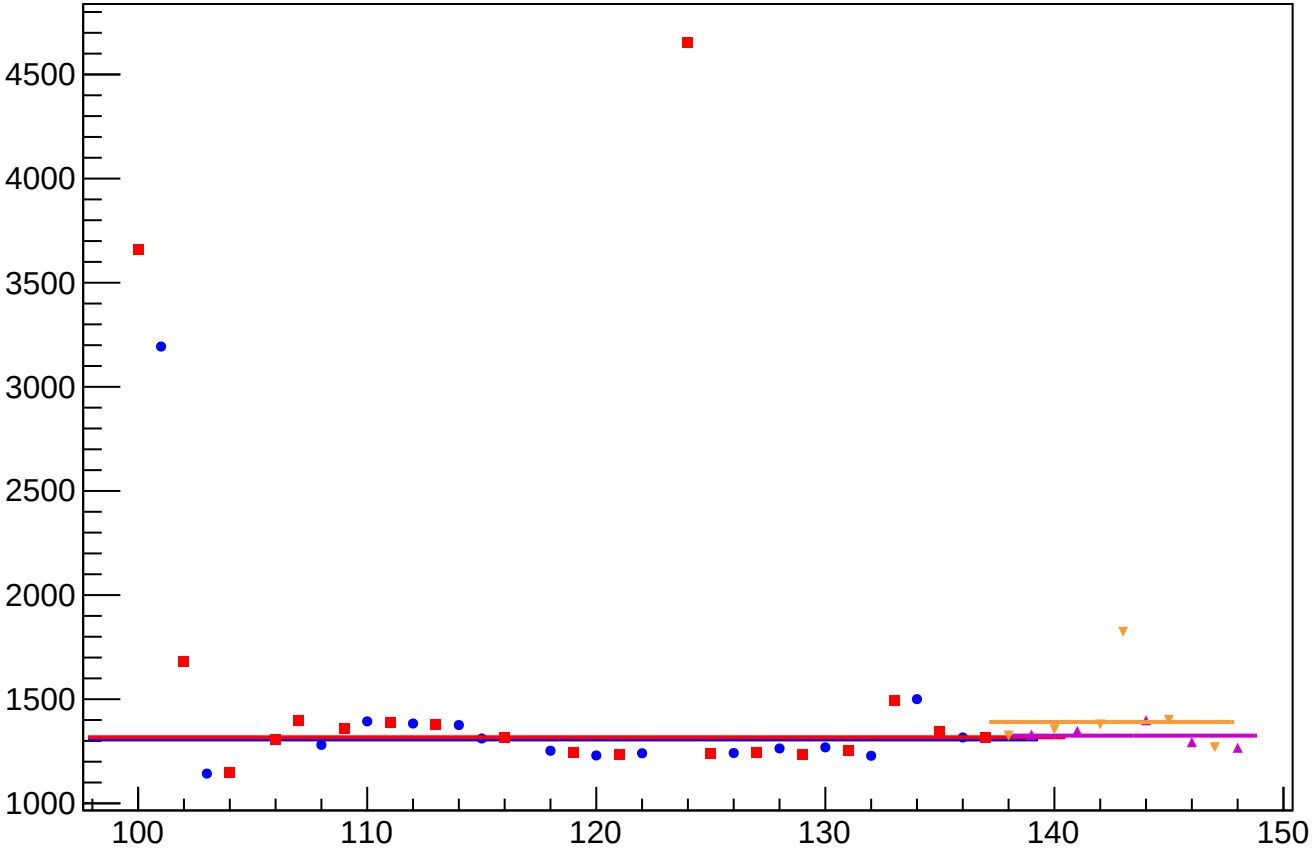
Left In: -2928.998+/-634.003 χ^2/NDF:8.3/4

+ sign 2121.500+/-395.791 χ^2/NDF: 19.5/21

All: -109.298+/-277.807 χ^2/NDF: 111.6/45

- sign -2275.611+/-390.028 χ^2/NDF: 29.5/23

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

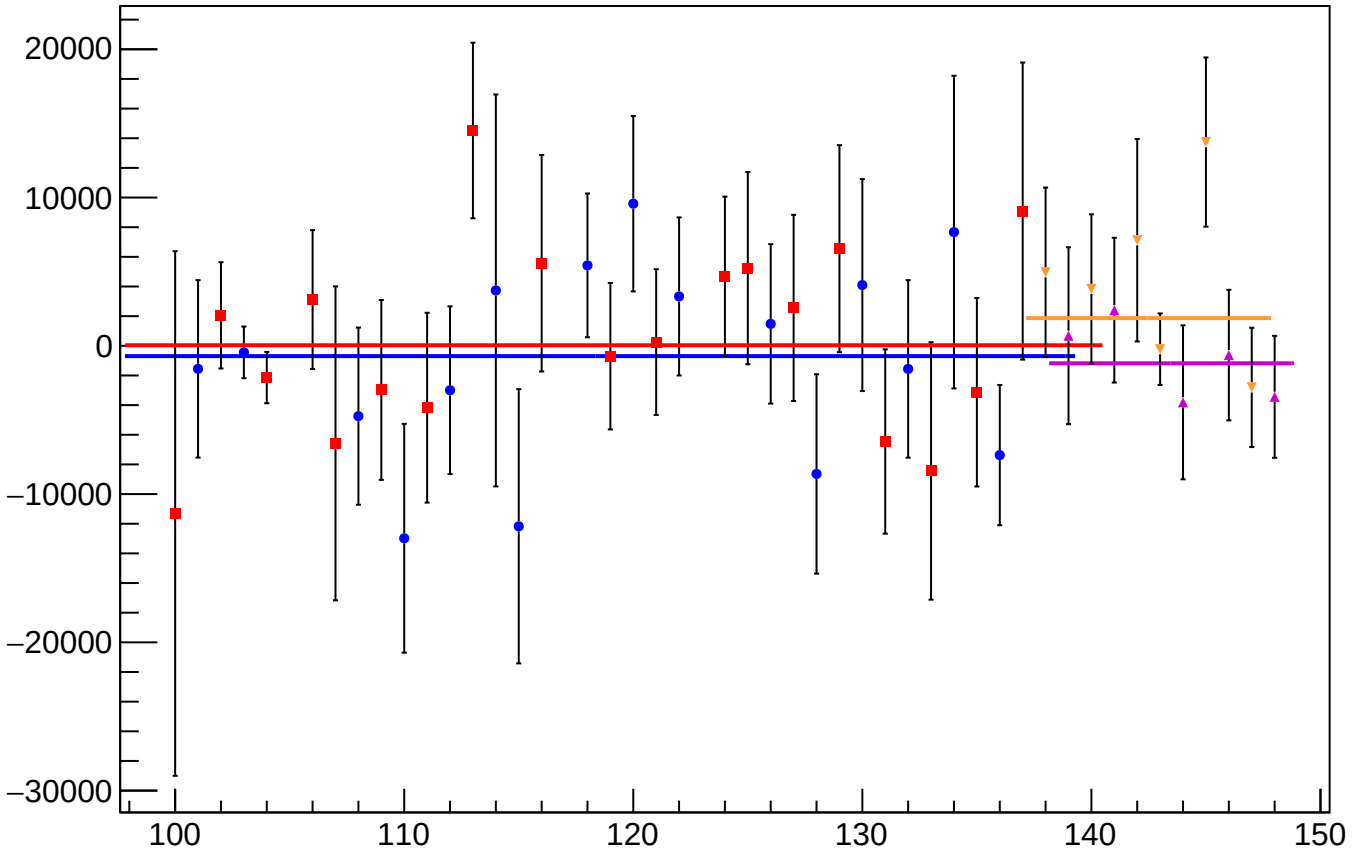
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1337.289+/-0.280 χ^2/NDF: 649220.8/21

All: 1328.585+/-0.196 χ^2/NDF: 987384.4/45

- sign 1320.153+/-0.275 χ^2/NDF: 336259.3/23



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

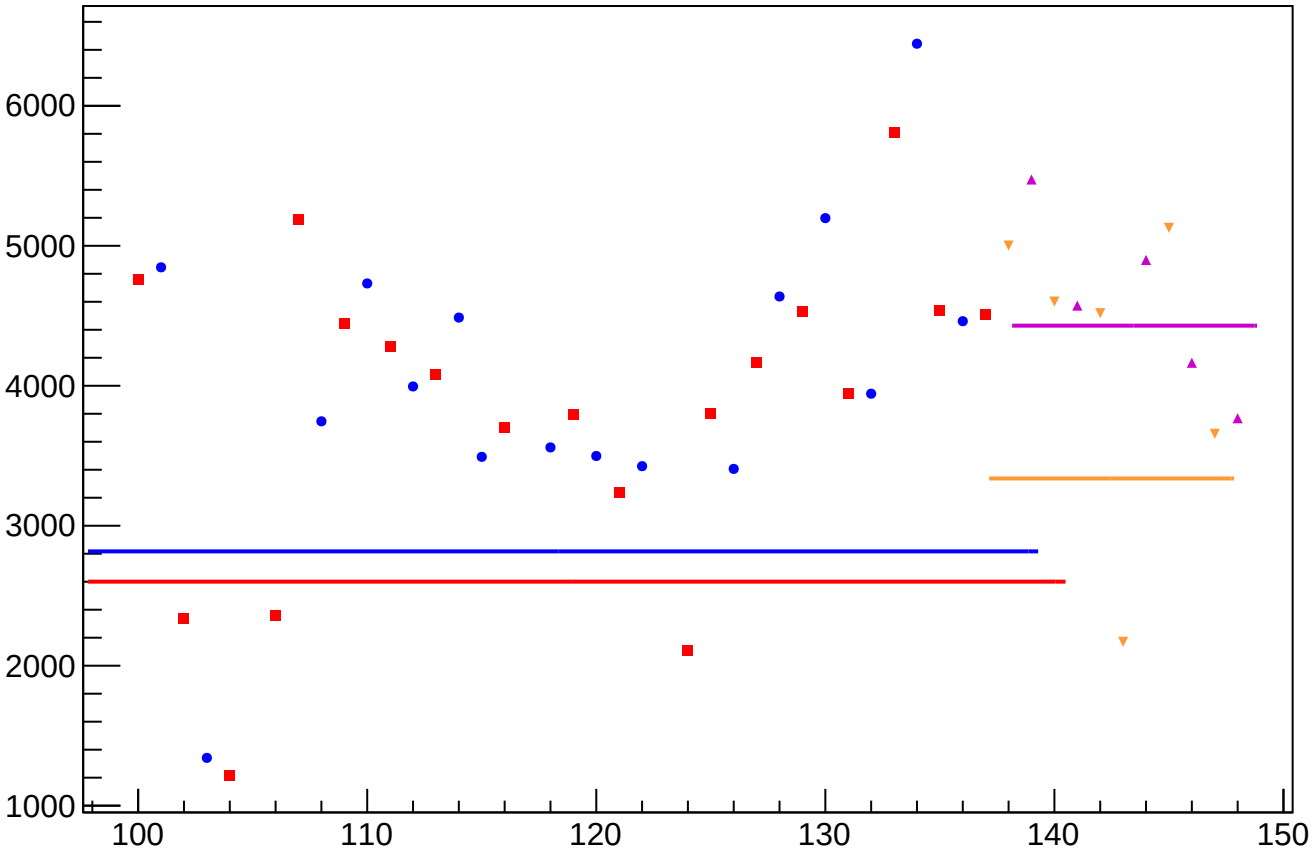
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1179.100+/-2142.495 χ^2/NDF:1.2/4

+ sign 157.096+/-966.125 χ^2/NDF: 23.7/21

All: -27.672+/-687.069 χ^2/NDF: 41.2/45

- sign -216.738+/-977.298 χ^2/NDF: 17.4/23



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

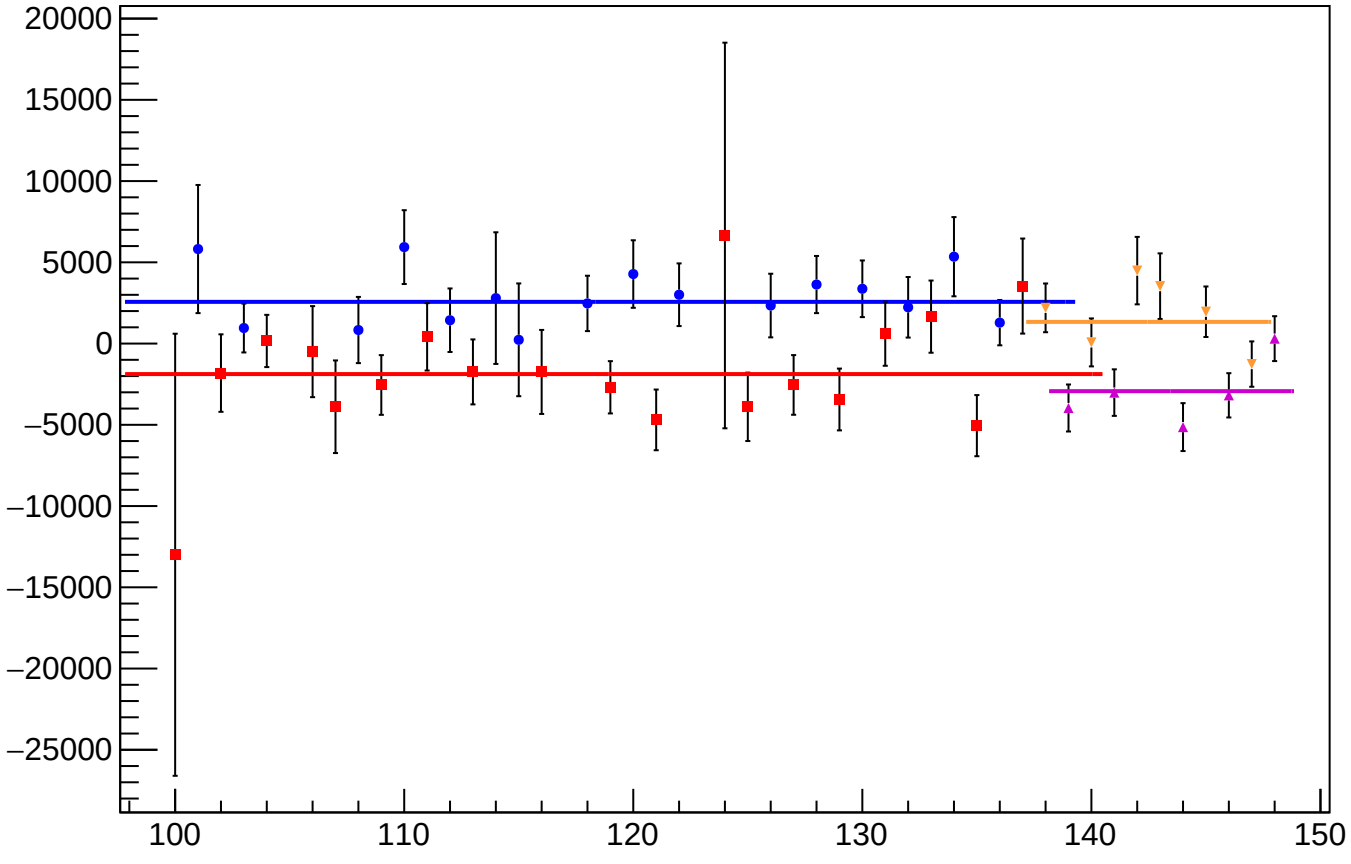
Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

\+ sign 2989.982+/-0.683 χ^2/NDF: 4170392.0/21

All: 2985.575+/-0.486 χ^2/NDF: 8543664.5/45

\- sign 2981.065+/-0.691 χ^2/NDF: 4373188.2/23

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

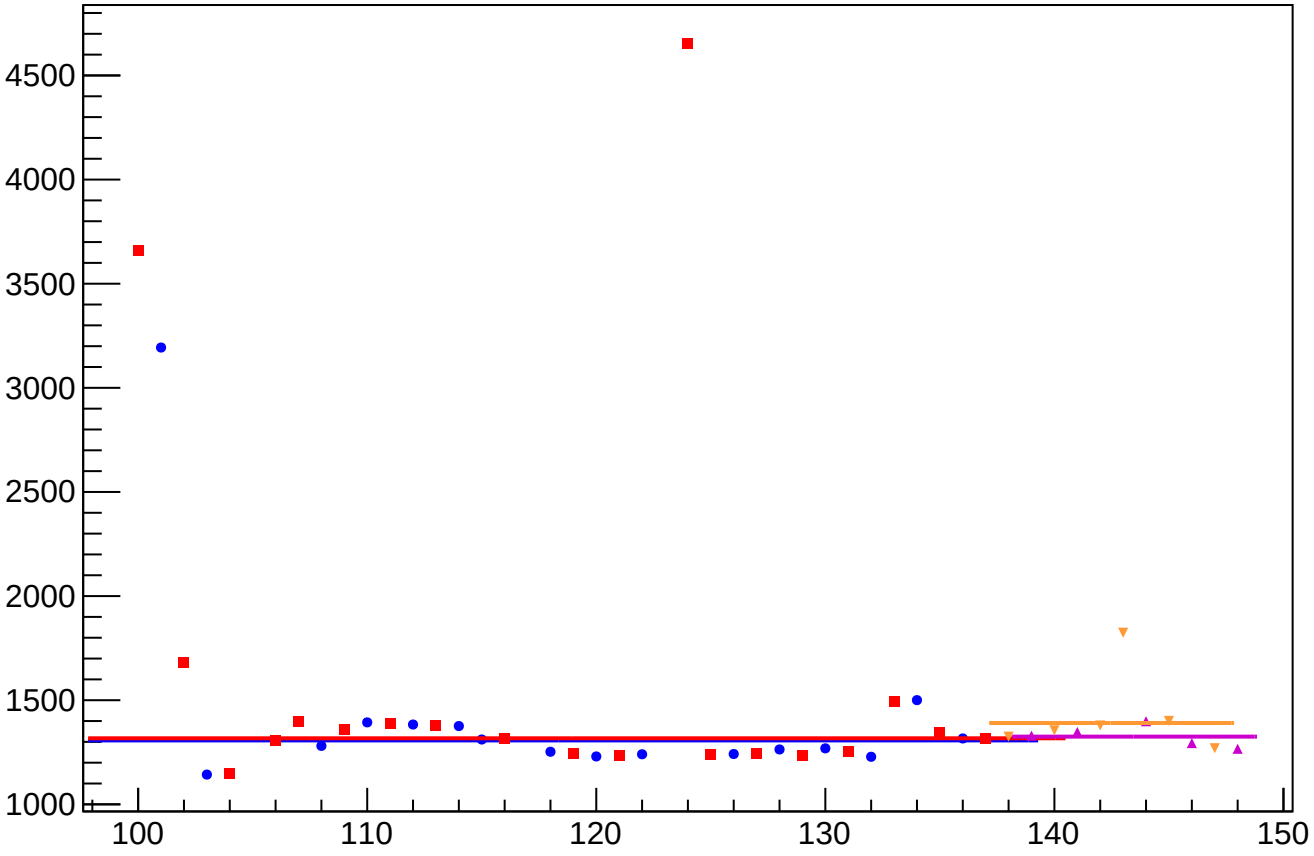
Left In: -2928.998+/-634.003 χ^2/NDF:8.3/4

+ sign 2121.500+/-395.791 χ^2/NDF: 19.5/21

All: -109.298+/-277.807 χ^2/NDF: 111.6/45

- sign -2275.611+/-390.028 χ^2/NDF: 29.5/23

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

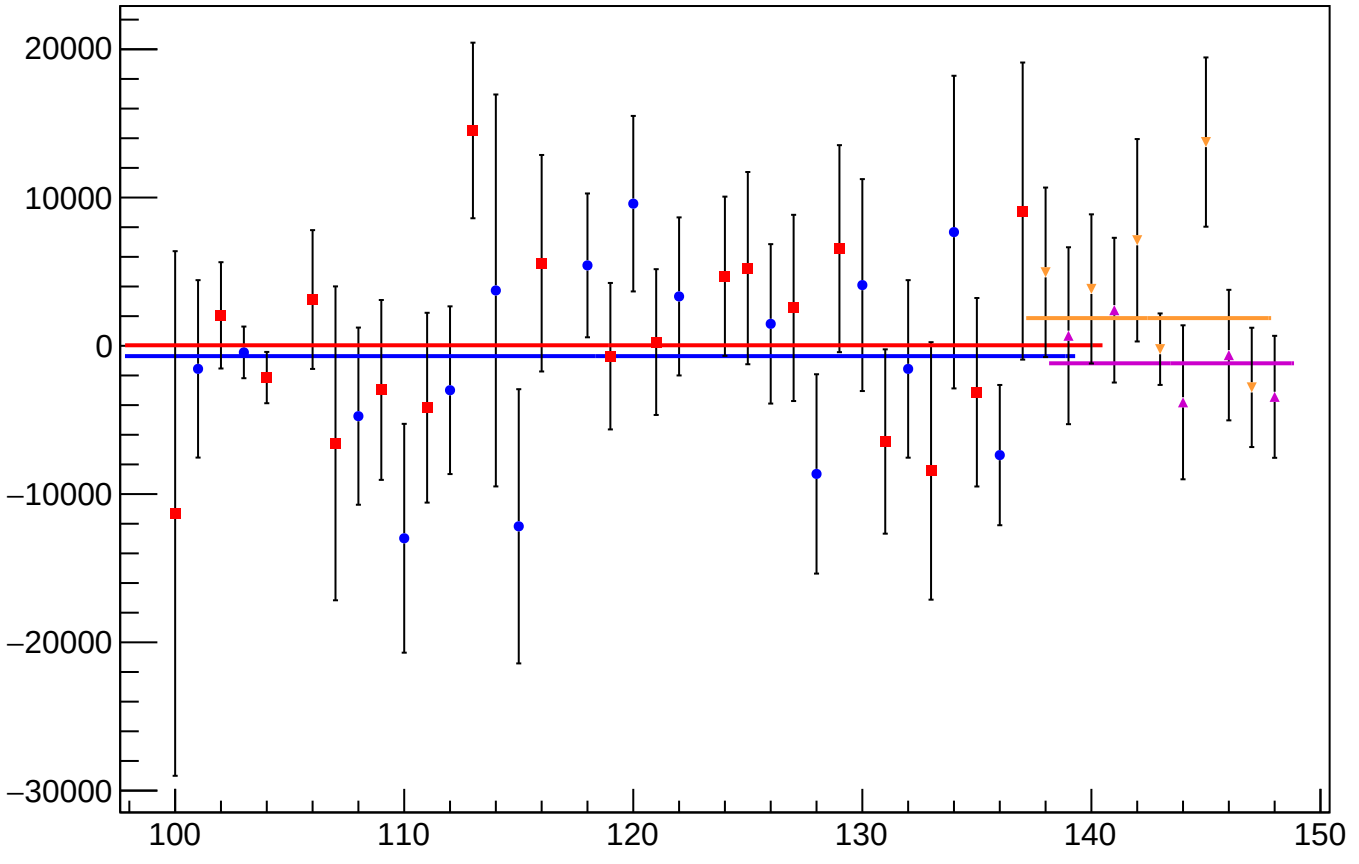
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1337.289+/-0.280 χ^2/NDF: 649220.8/21

All: 1328.585+/-0.196 χ^2/NDF: 987384.4/45

- sign 1320.153+/-0.275 χ^2/NDF: 336259.3/23



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

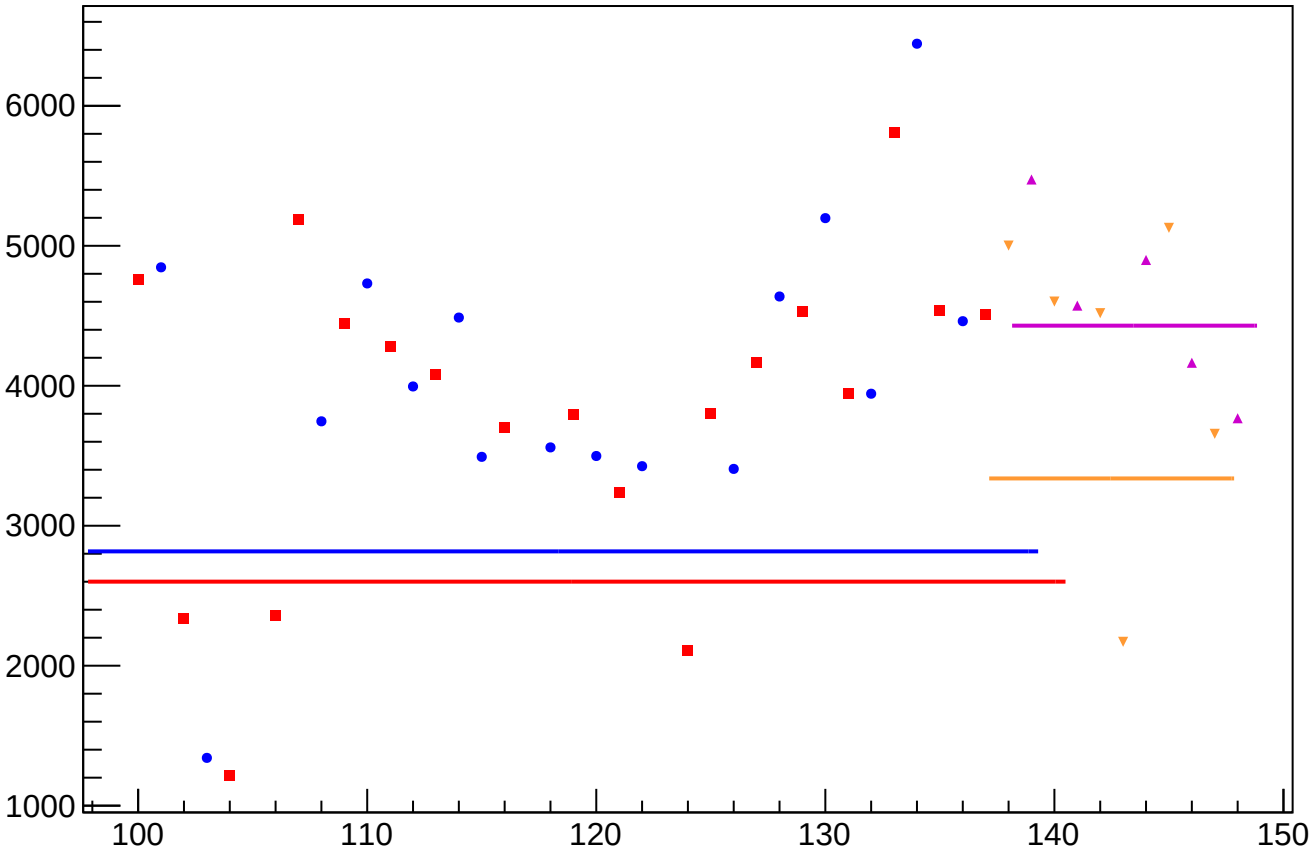
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1179.100+/-2142.495 χ^2/NDF:1.2/4

\+ sign 157.096+/-966.125 χ^2/NDF: 23.7/21

All: -27.672+/-687.069 χ^2/NDF: 41.2/45

\- sign -216.738+/-977.298 χ^2/NDF: 17.4/23



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

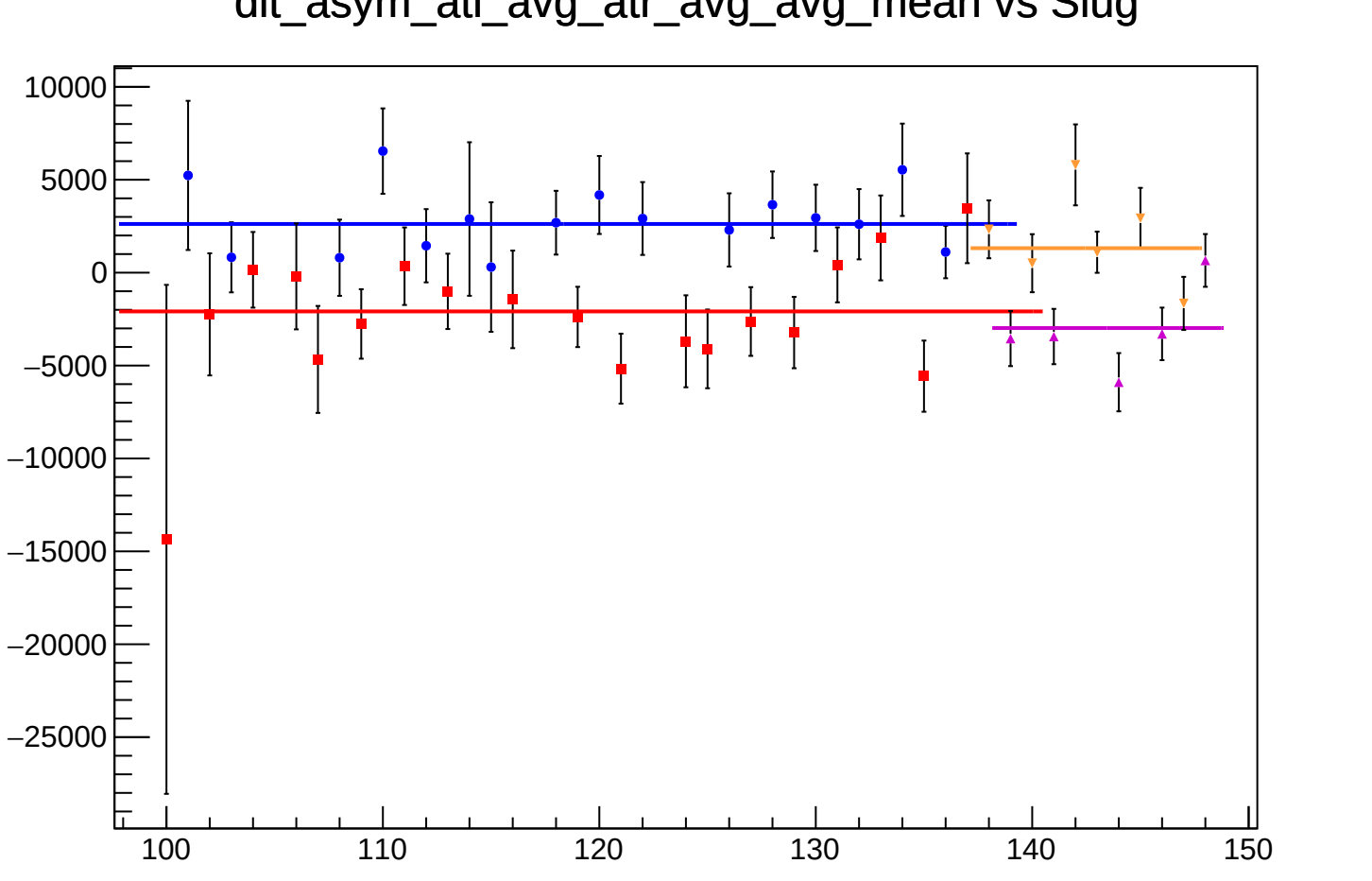
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

\+ sign 2989.982+/-0.683 χ^2/NDF: 4170392.0/21

All: 2985.575+/-0.486 χ^2/NDF: 8543664.5/45

\- sign 2981.065+/-0.691 χ^2/NDF: 4373188.2/23



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

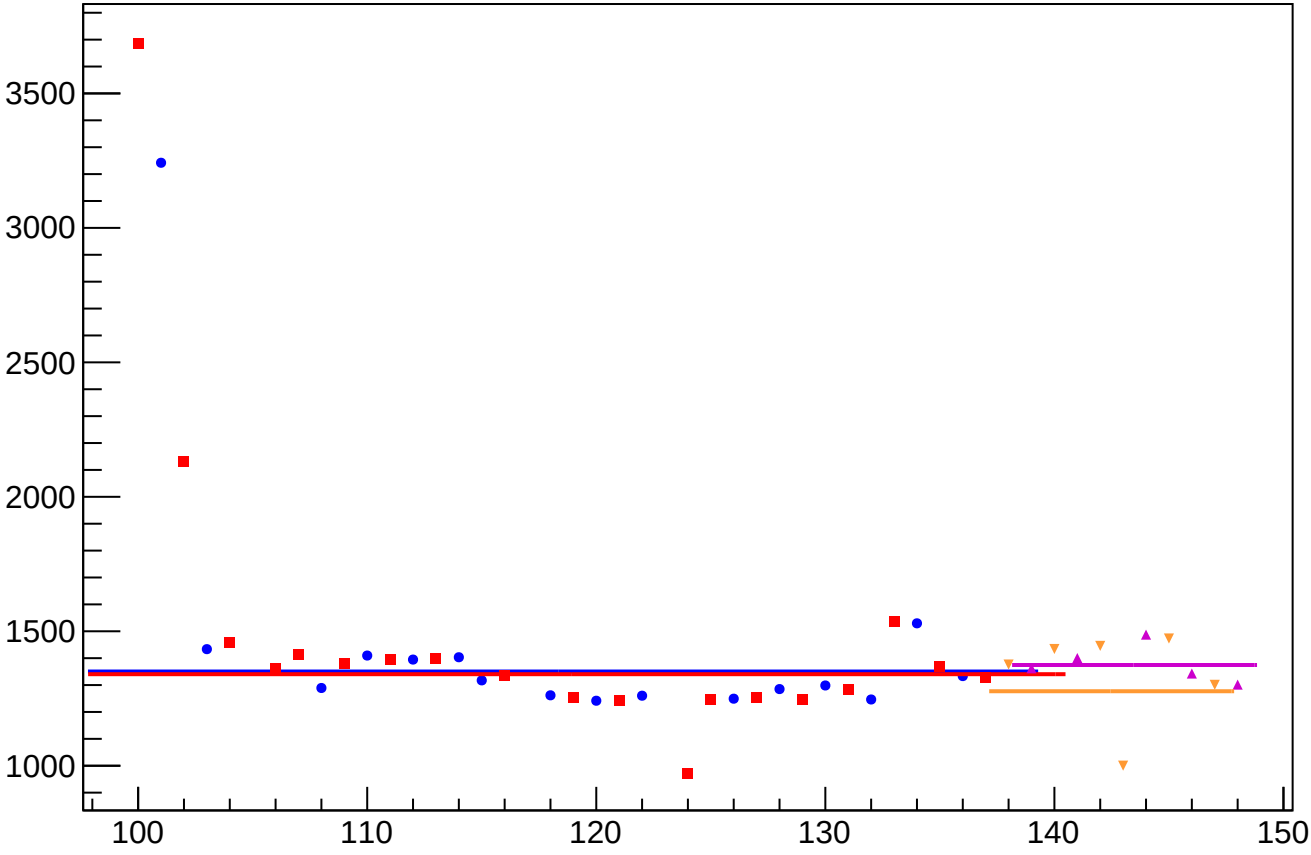
Left In: -2981.492+/-658.071 χ^2/NDF:10.3/4

+ sign 2080.131+/-391.253 χ^2/NDF: 22.3/21

All: -115.810+/-279.893 χ^2/NDF: 119.2/45

- sign -2417.545+/-400.567 χ^2/NDF: 32.4/23

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

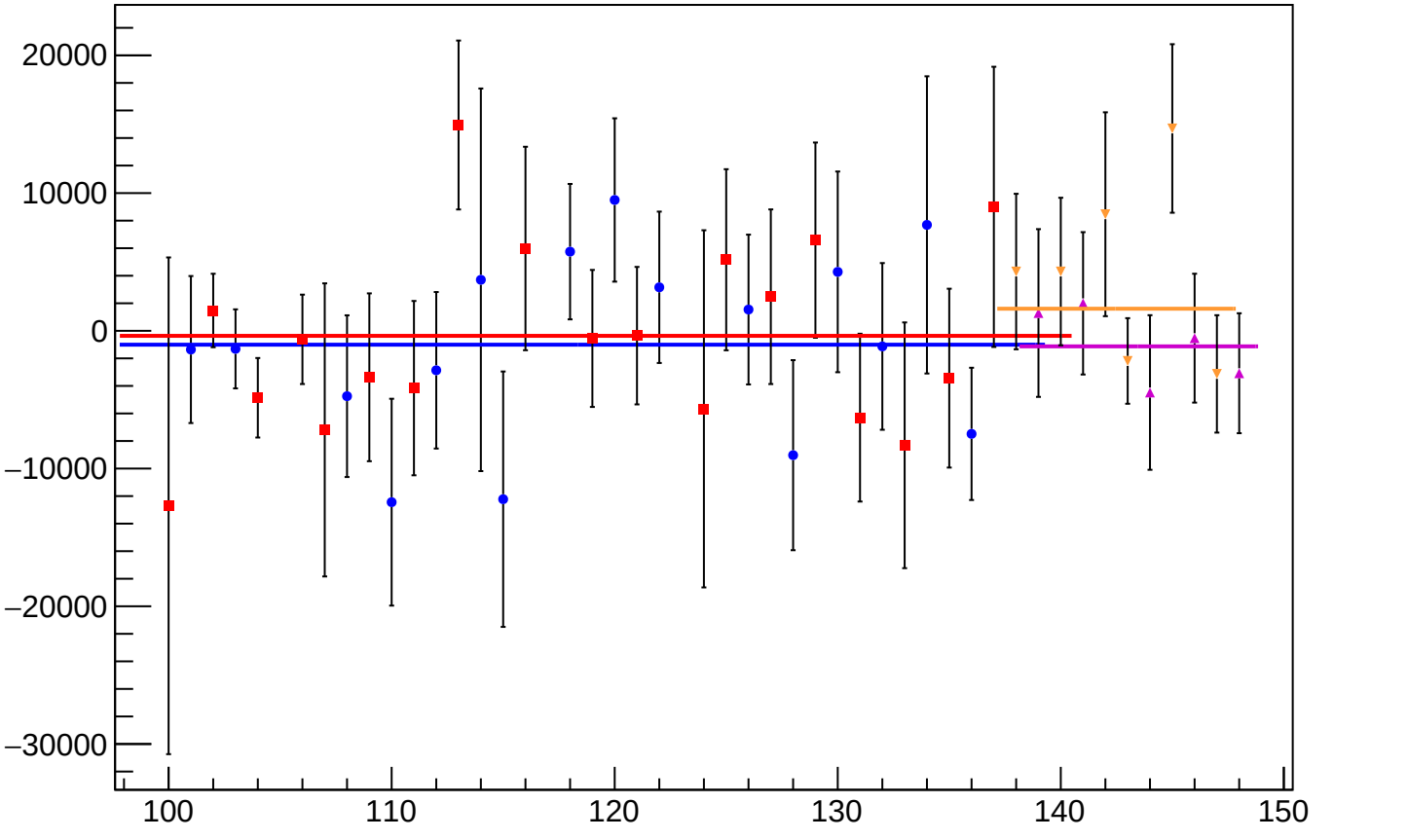
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1374.617+/-0.465 χ^2/NDF:17407.5/4

+ sign 1319.939+/-0.277 χ^2/NDF: 705692.0/21

All: 1336.129+/-0.198 χ^2/NDF: 1005694.1/45

- sign 1353.086+/-0.283 χ^2/NDF: 292990.7/23



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1605.646+/-1924.984 χ^2/NDF:8.6/5

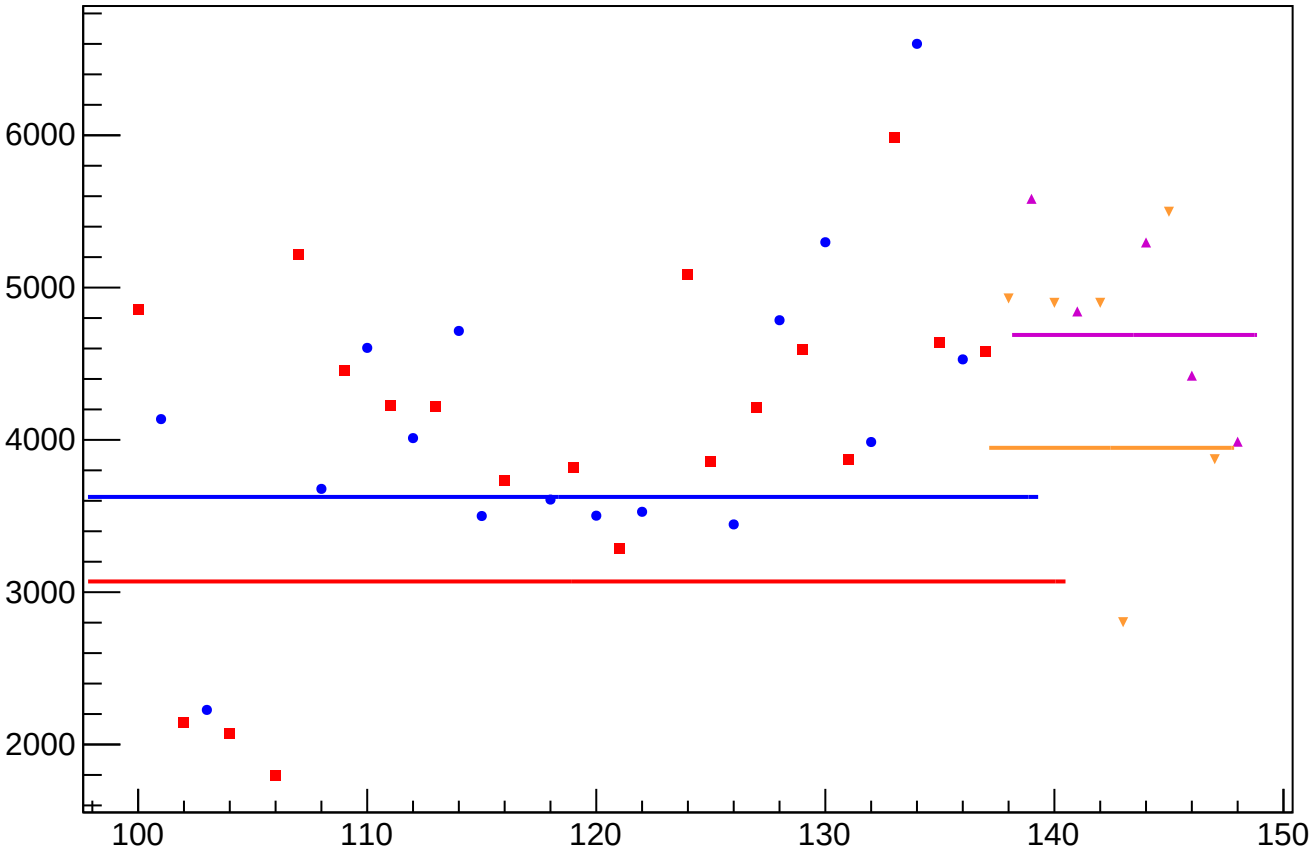
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1127.357+/-2266.998 χ^2/NDF:1.1/4

+ sign -99.231+/-1134.582 χ^2/NDF: 24.4/21

All: -329.840+/-775.456 χ^2/NDF: 41.9/45

- sign -532.003+/-1062.303 χ^2/NDF: 17.4/23



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3947.882+/-1.361 χ^2/NDF:557257.5/5

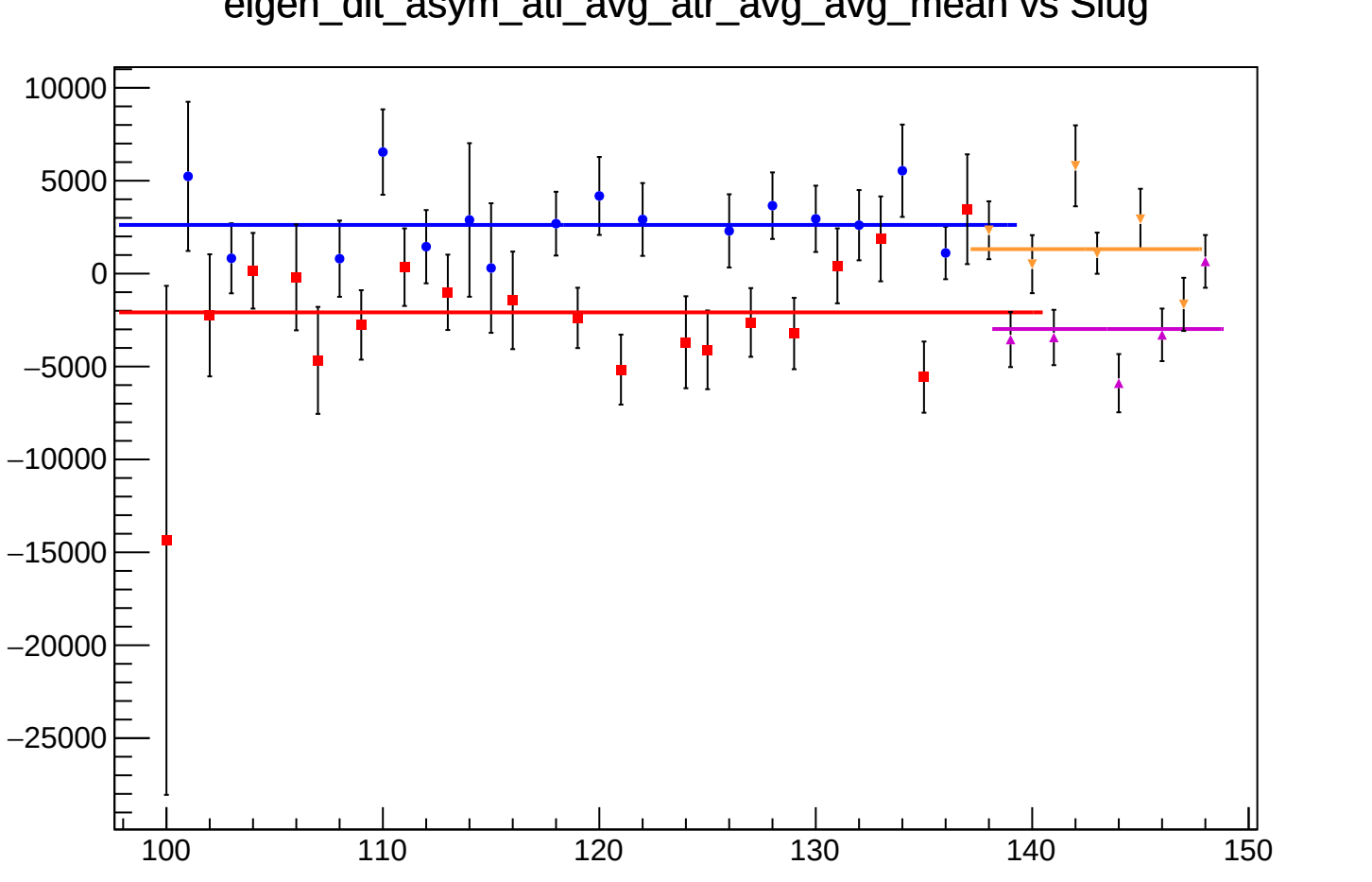
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4689.027+/-1.603 χ^2/NDF:126634.4/4

+ sign 3737.500+/-0.802 χ^2/NDF: 1538767.8/21

All: 3571.434+/-0.548 χ^2/NDF: 4380128.3/45

- sign 3425.853+/-0.751 χ^2/NDF: 2760951.7/23



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

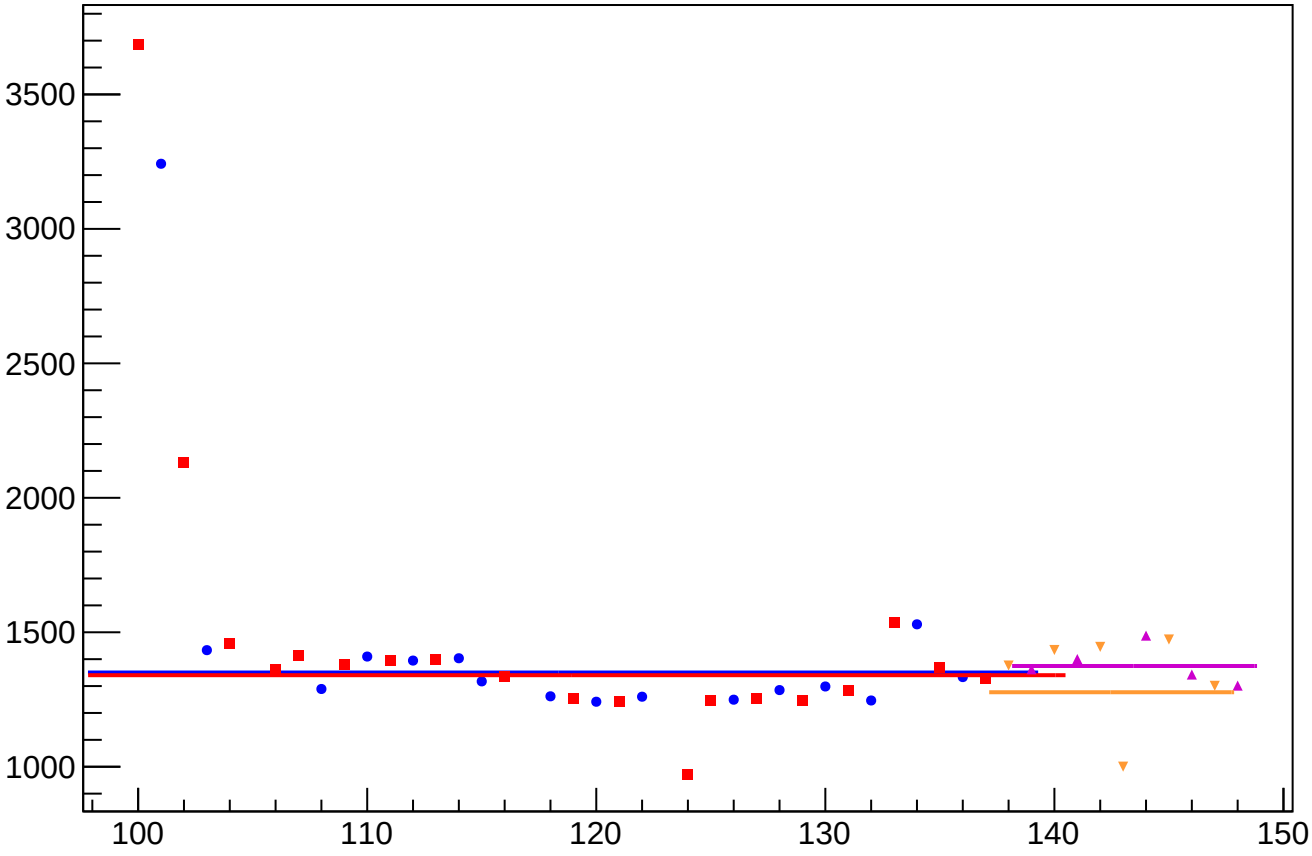
Left In: -2981.487+/-658.071 χ^2/NDF:10.3/4

+ sign 2080.133+/-391.253 χ^2/NDF: 22.3/21

All: -115.809+/-279.893 χ^2/NDF: 119.2/45

- sign -2417.544+/-400.567 χ^2/NDF: 32.4/23

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

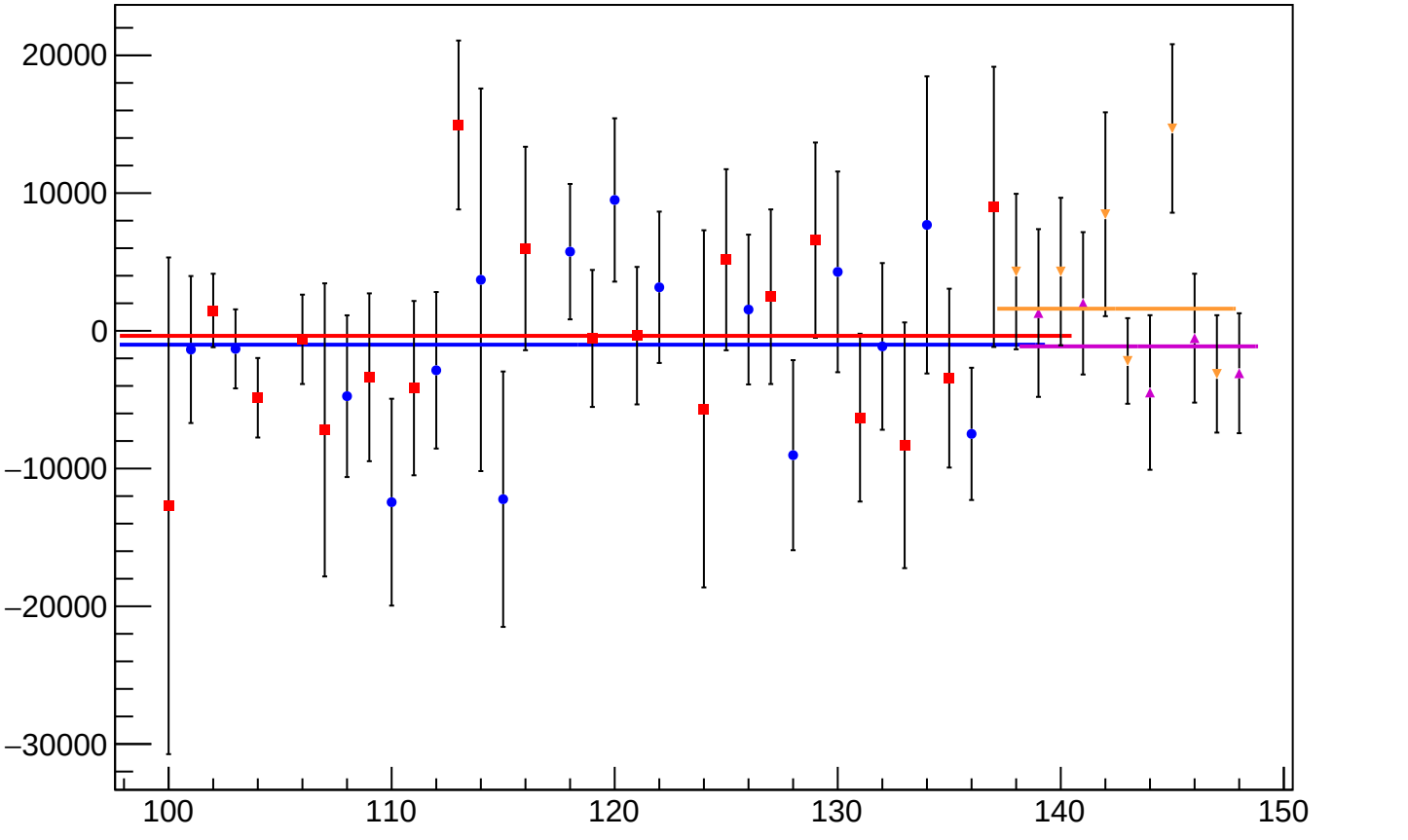
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1374.619+/-0.465 χ^2/NDF:17407.7/4

+ sign 1319.940+/-0.277 χ^2/NDF: 705691.7/21

All: 1336.130+/-0.198 χ^2/NDF: 1005693.3/45

- sign 1353.086+/-0.283 χ^2/NDF: 292990.2/23



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1605.645+/-1924.987 χ^2/NDF:8.6/5

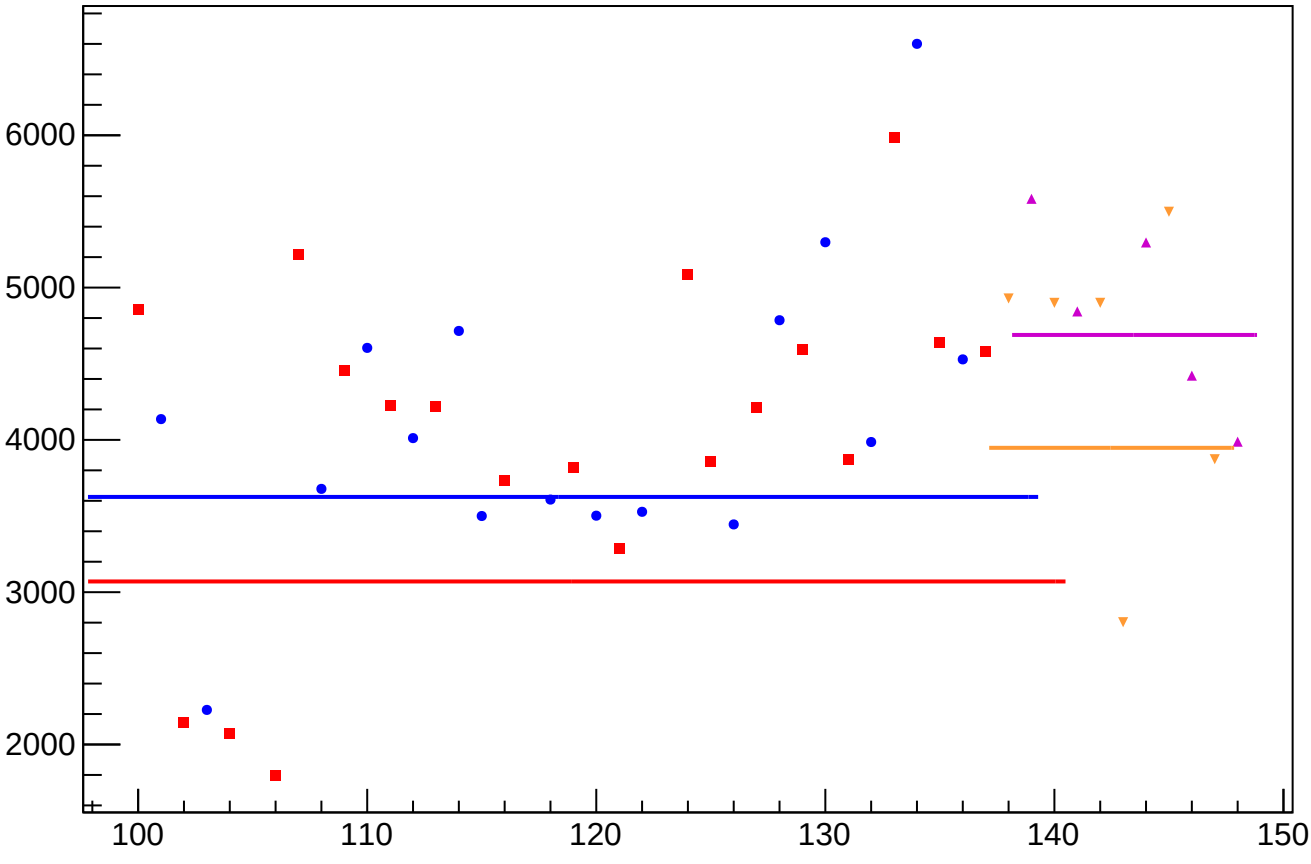
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1127.353+/-2267.001 χ^2/NDF:1.1/4

+ sign -99.230+/-1134.580 χ^2/NDF: 24.4/21

All: -329.839+/-775.455 χ^2/NDF: 41.9/45

- sign -532.003+/-1062.301 χ^2/NDF: 17.4/23



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

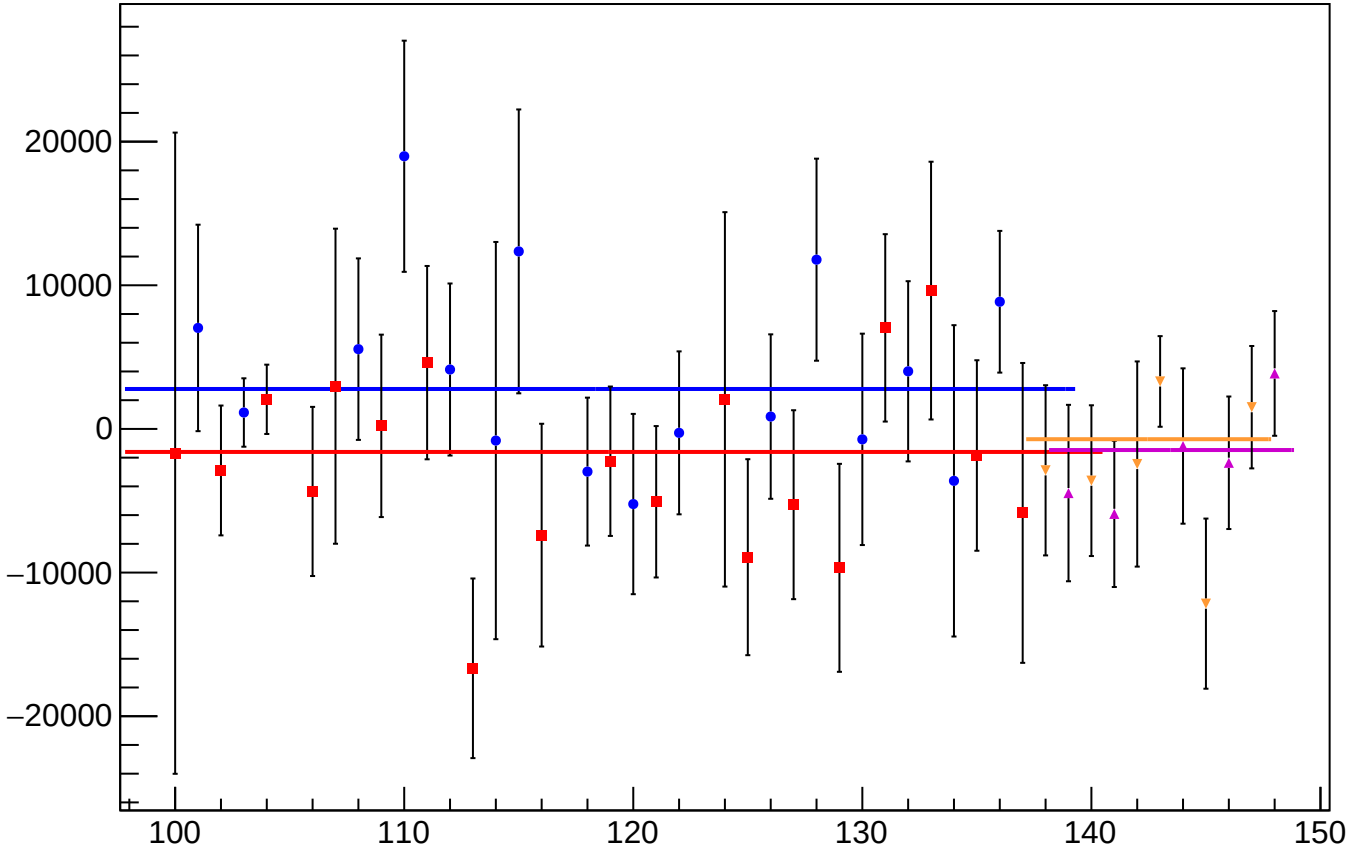
Left In: 4689.034+/-1.603 χ^2/NDF:126635.3/4

+ sign 3737.496+/-0.802 χ^2/NDF: 1538773.8/21

All: 3571.428+/-0.548 χ^2/NDF: 4380153.9/45

- sign 3425.845+/-0.751 χ^2/NDF: 2760969.4/23

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

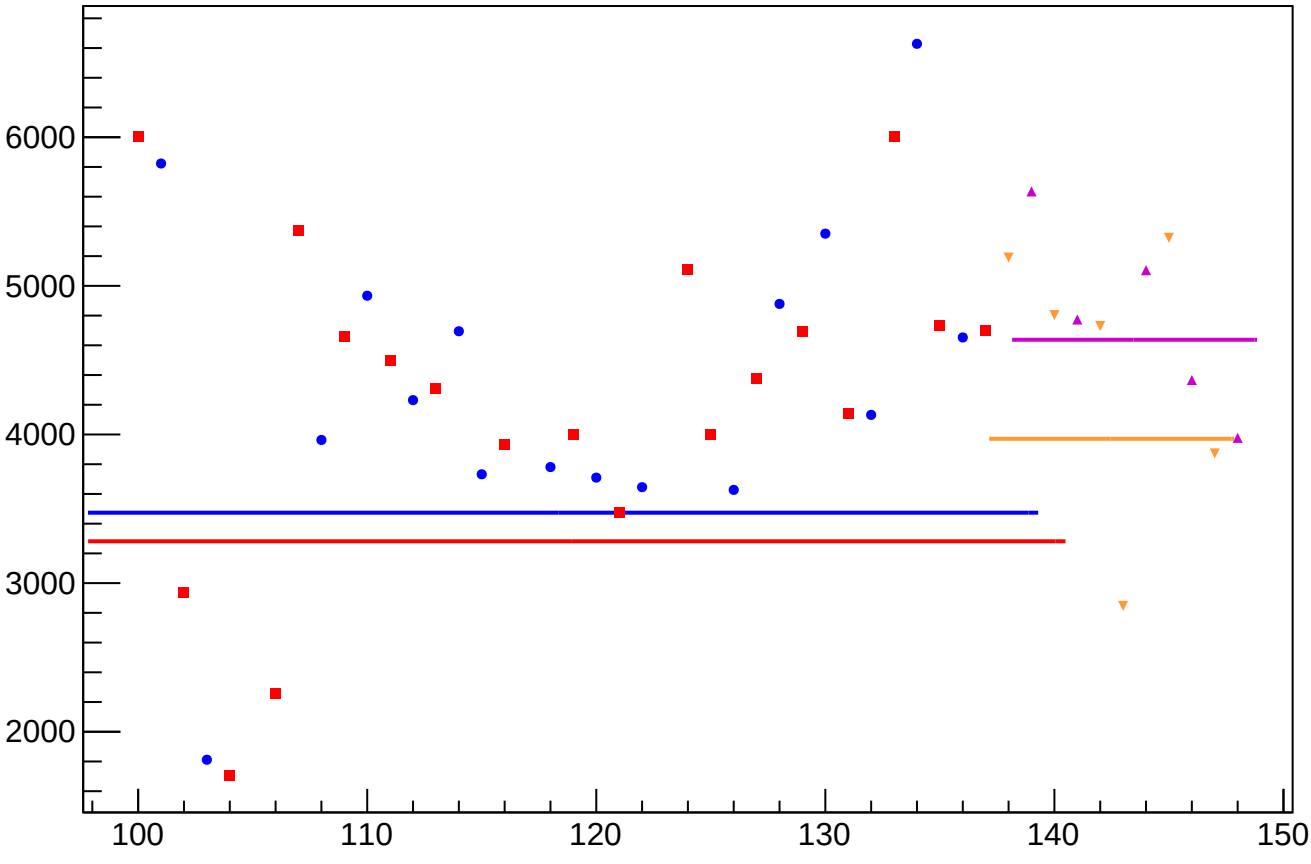
Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: -1468.966+/-2239.836 χ^2/NDF:2.5/4

+ sign 1587.323+/-1127.603 χ^2/NDF: 21.5/21

All: 38.233+/-804.463 χ^2/NDF: 44.7/45

- sign -1567.512+/-1148.037 χ^2/NDF: 19.3/23



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3971.102+/-1.365 χ^2/NDF:516898.7/5

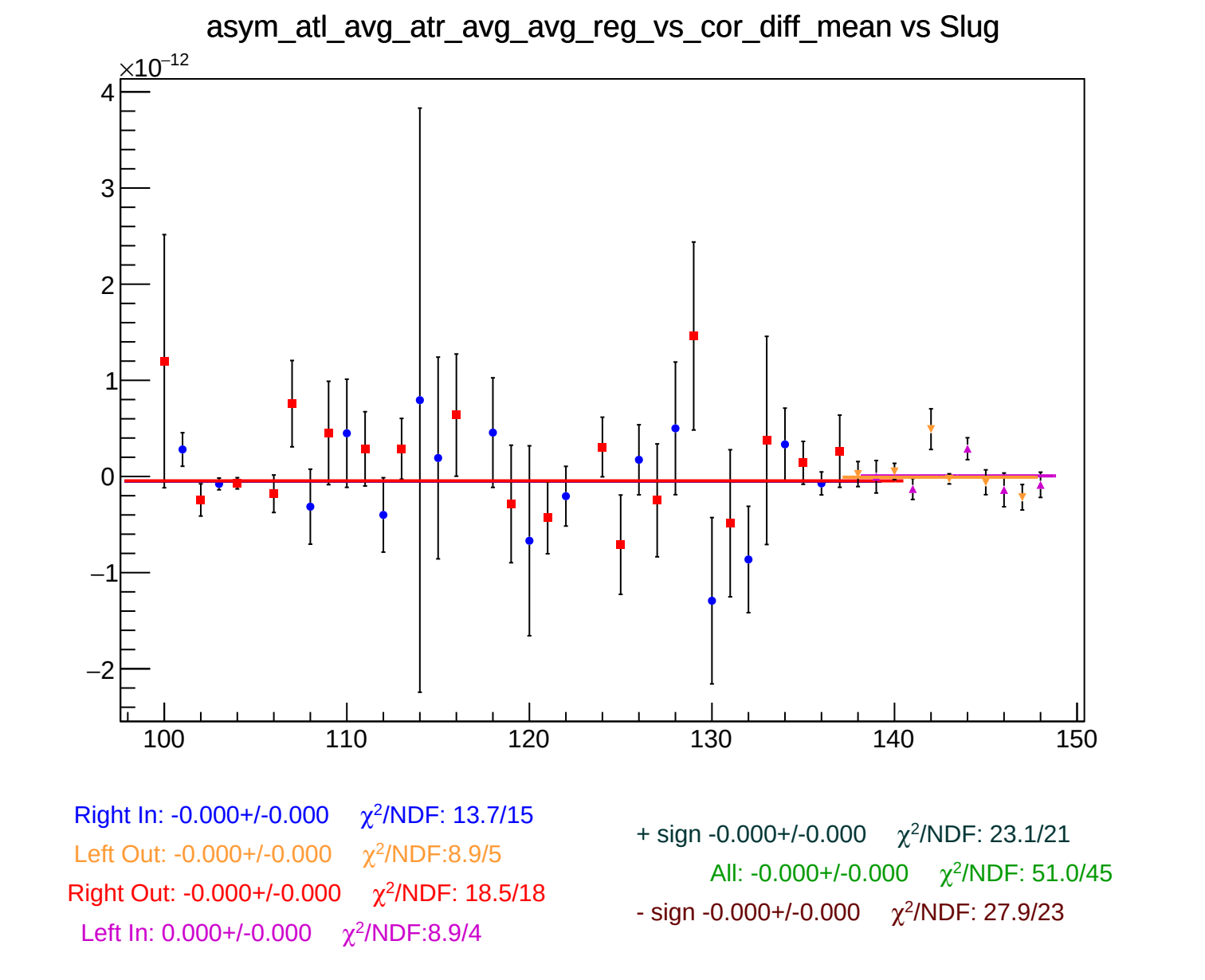
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

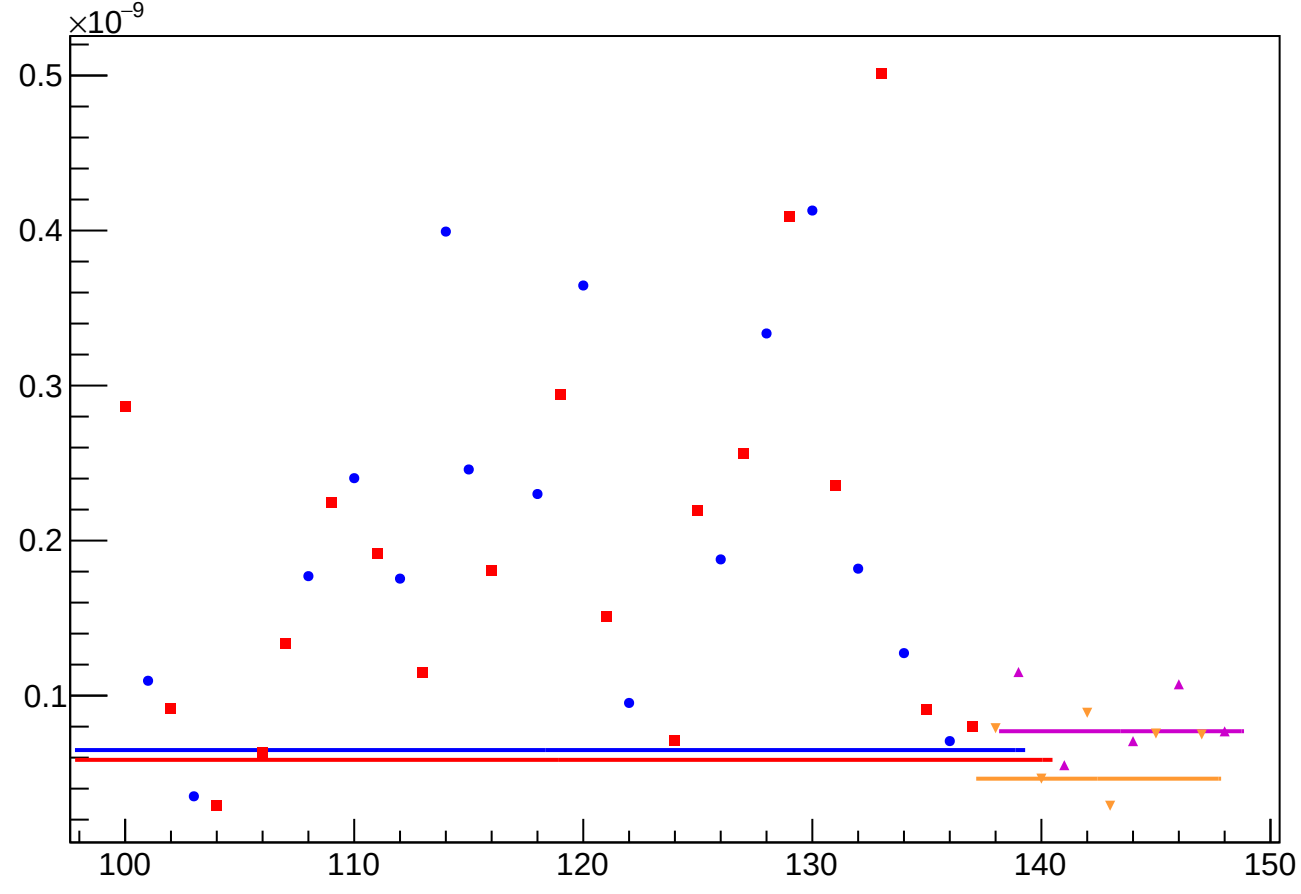
Left In: 4637.403+/-1.584 χ^2/NDF:122330.5/4

+ sign 3643.633+/-0.797 χ^2/NDF: 2448293.5/21

All: 3637.125+/-0.566 χ^2/NDF: 4990522.7/45

- sign 3630.515+/-0.804 χ^2/NDF: 2542094.9/23


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:8.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:8.9/4
+ sign -0.000+/-0.000 χ²/NDF: 23.1/21
All: -0.000+/-0.000 χ²/NDF: 51.0/45
- sign -0.000+/-0.000 χ²/NDF: 27.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:618526.3/5

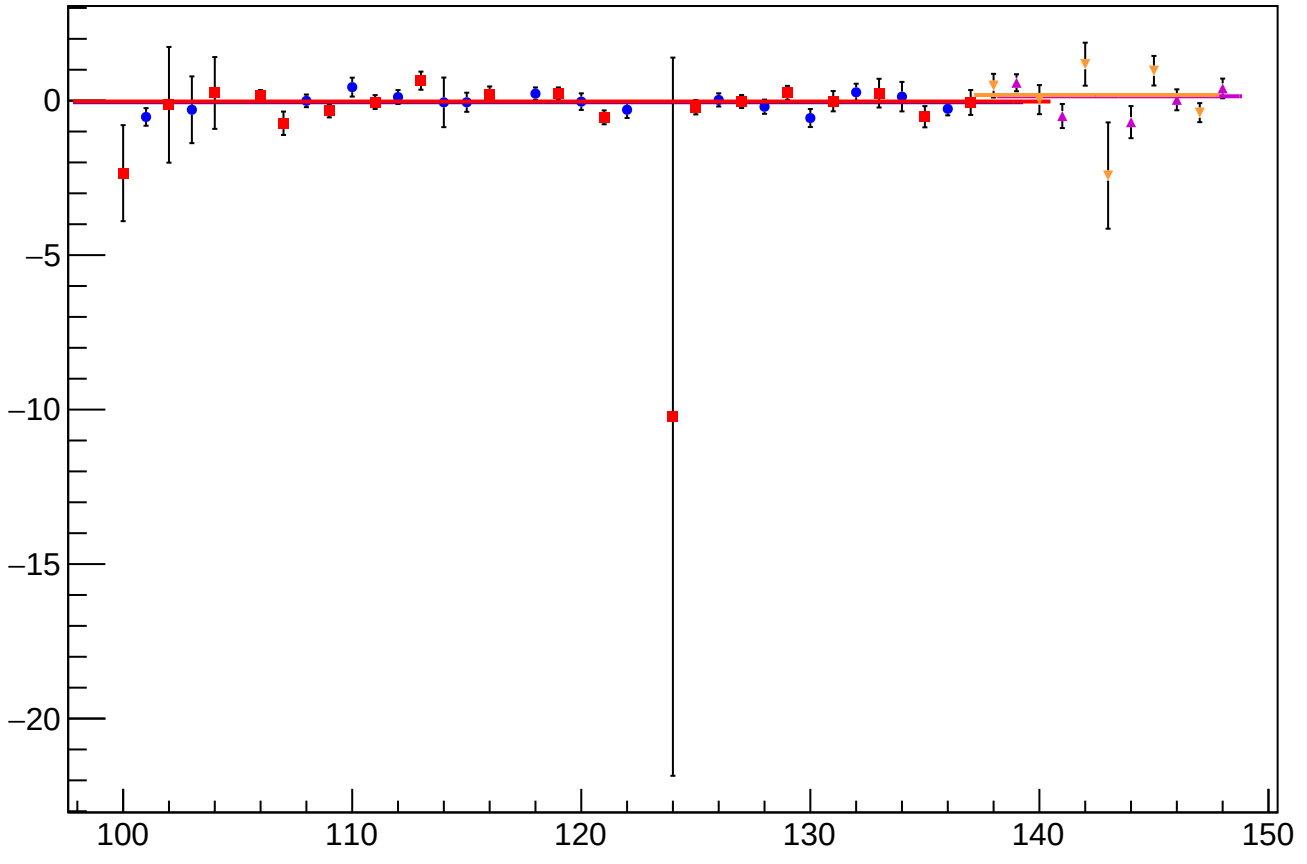
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248284.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 3391113.0/21

All: 0.000+/-0.000 χ^2/NDF: 6748618.7/45

- sign 0.000+/-0.000 χ^2/NDF: 3221880.4/23



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

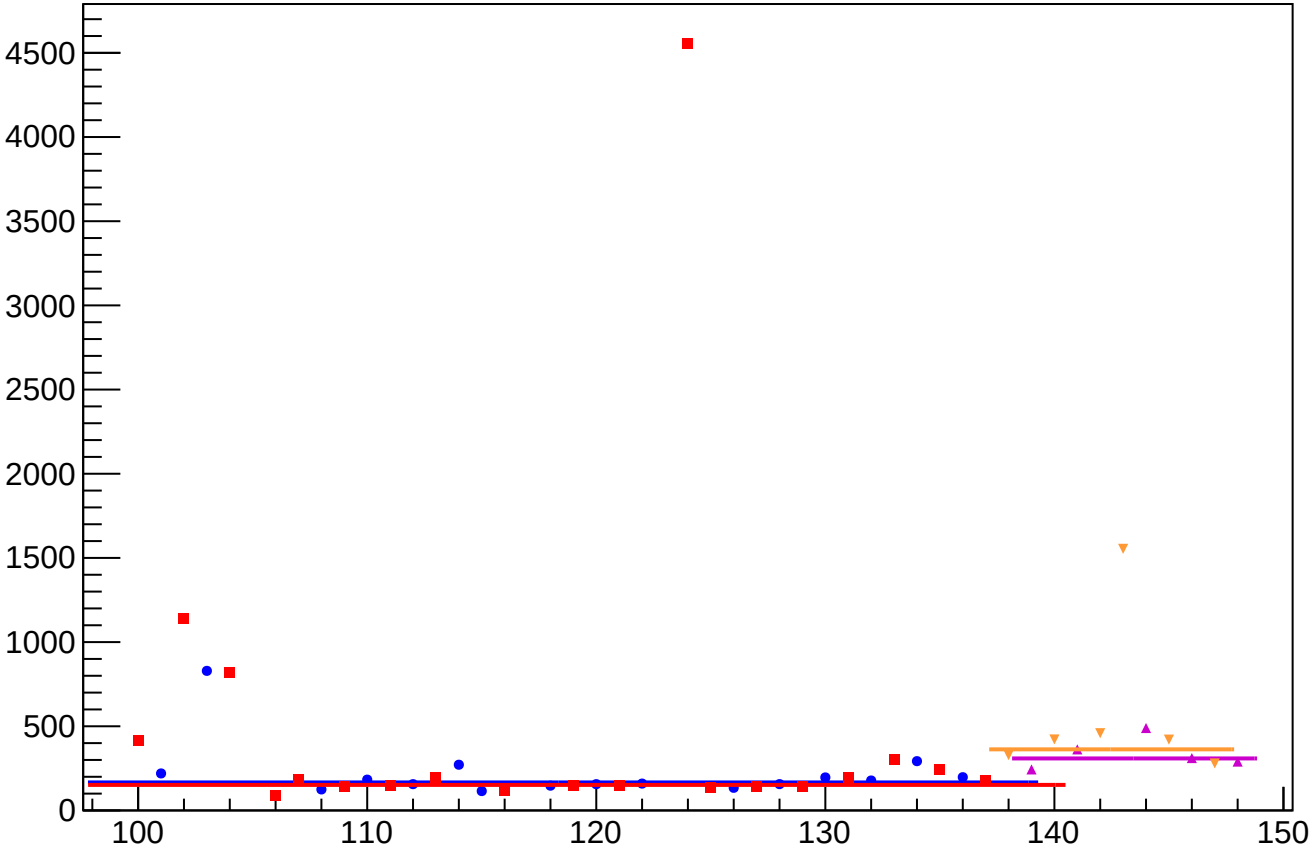
Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.014+/-0.043 χ^2/NDF: 64.7/45

- sign -0.004+/-0.059 χ^2/NDF: 37.1/23

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

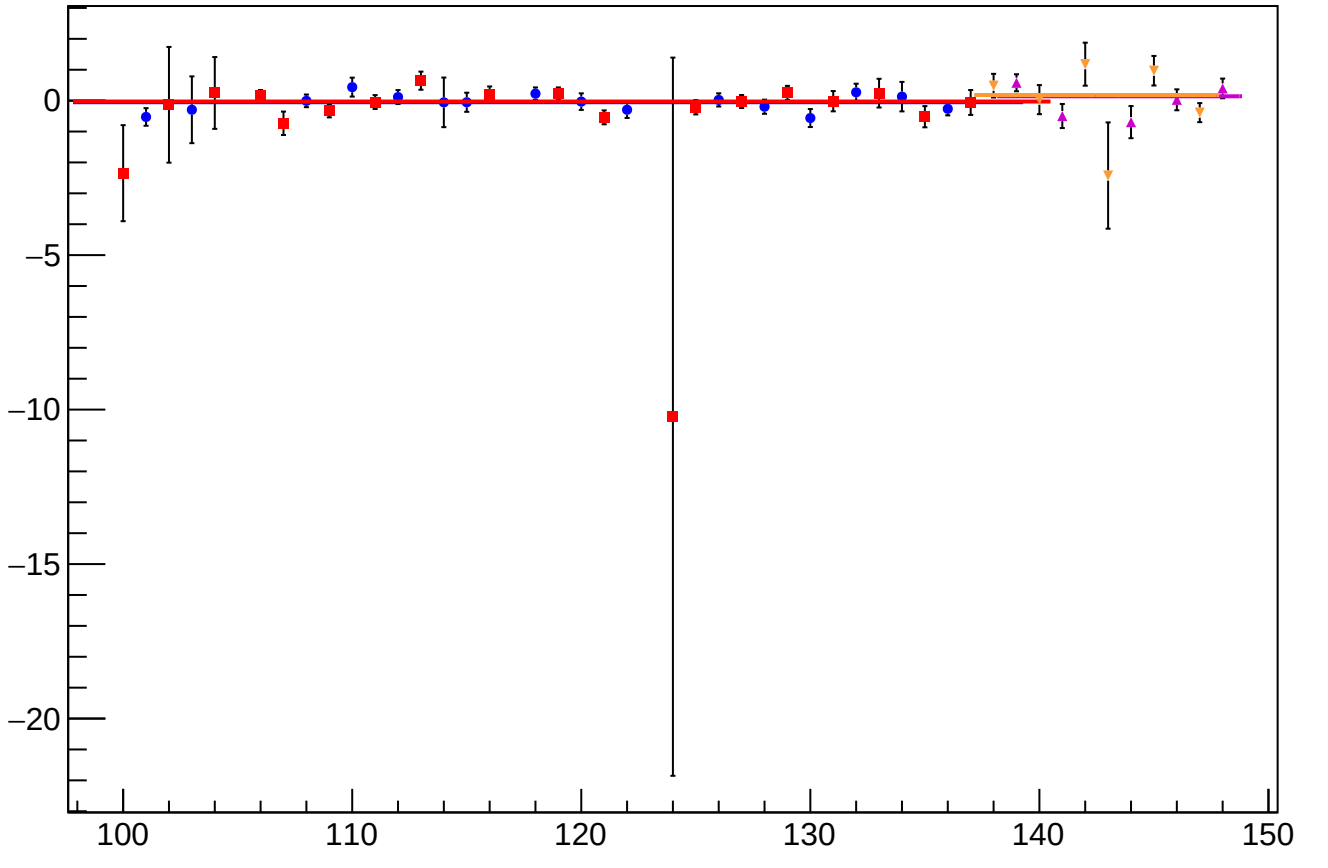
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

+ sign 188.604+/-0.044 χ^2/NDF: 4467818.3/21

All: 181.341+/-0.030 χ^2/NDF: 9006251.2/45

- sign 174.911+/-0.042 χ^2/NDF: 4488066.7/23



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

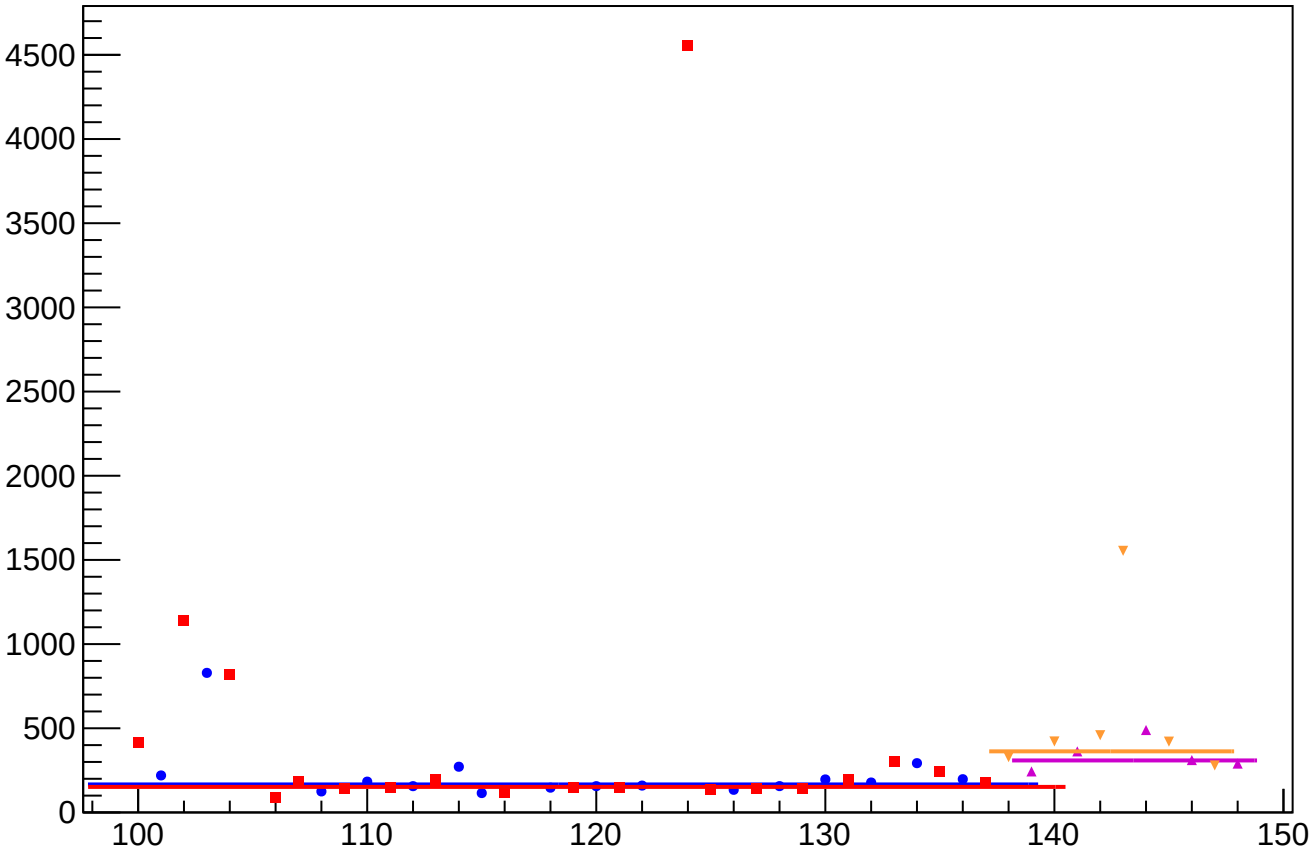
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.014+/-0.043 χ^2/NDF: 64.7/45

- sign -0.004+/-0.059 χ^2/NDF: 37.1/23



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 362.947+/-0.132 χ^2/NDF:1220933.2/5

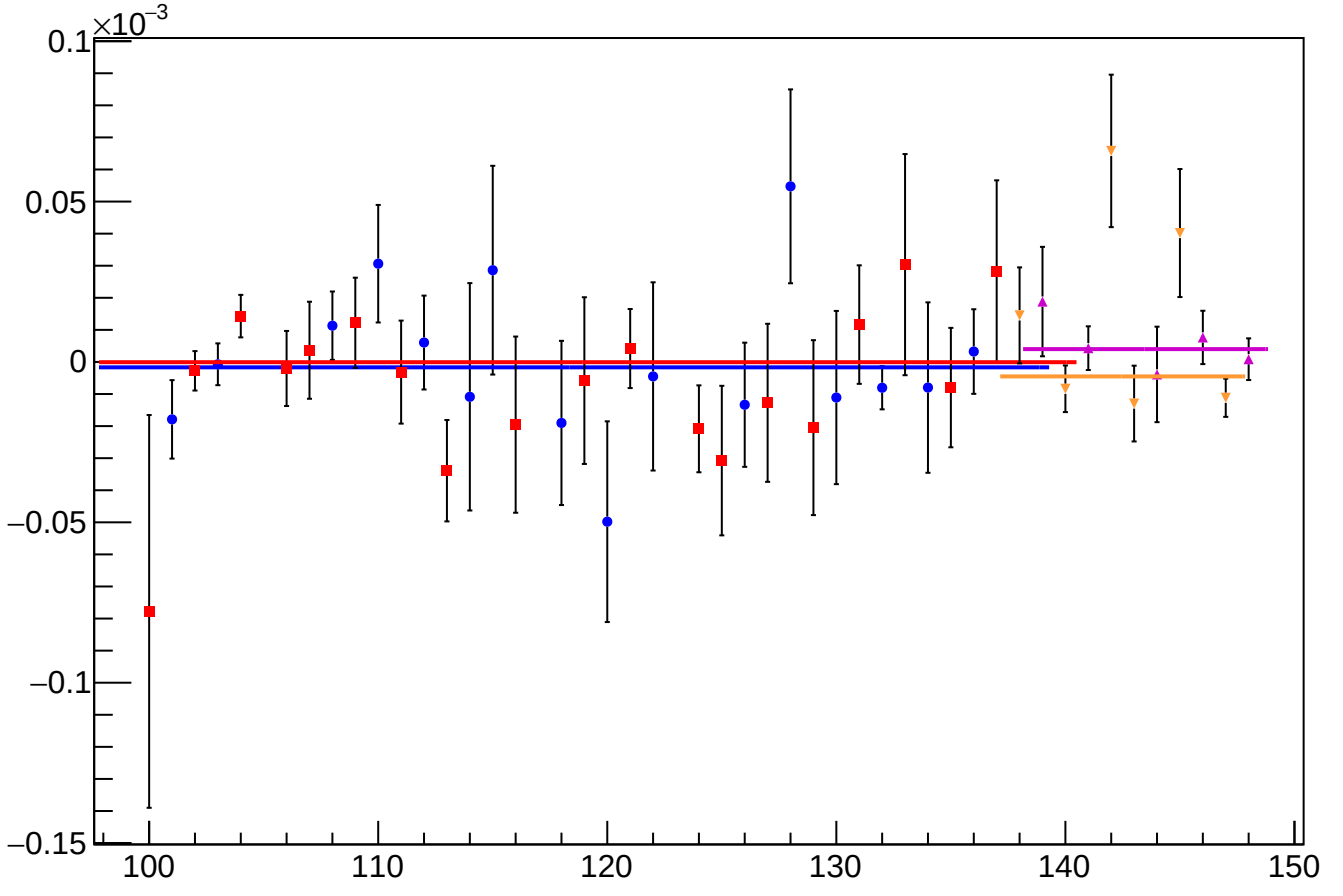
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

+ sign 188.604+/-0.044 χ^2/NDF: 4467818.3/21

All: 181.341+/-0.030 χ^2/NDF: 9006251.2/45

- sign 174.911+/-0.042 χ^2/NDF: 4488066.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/5

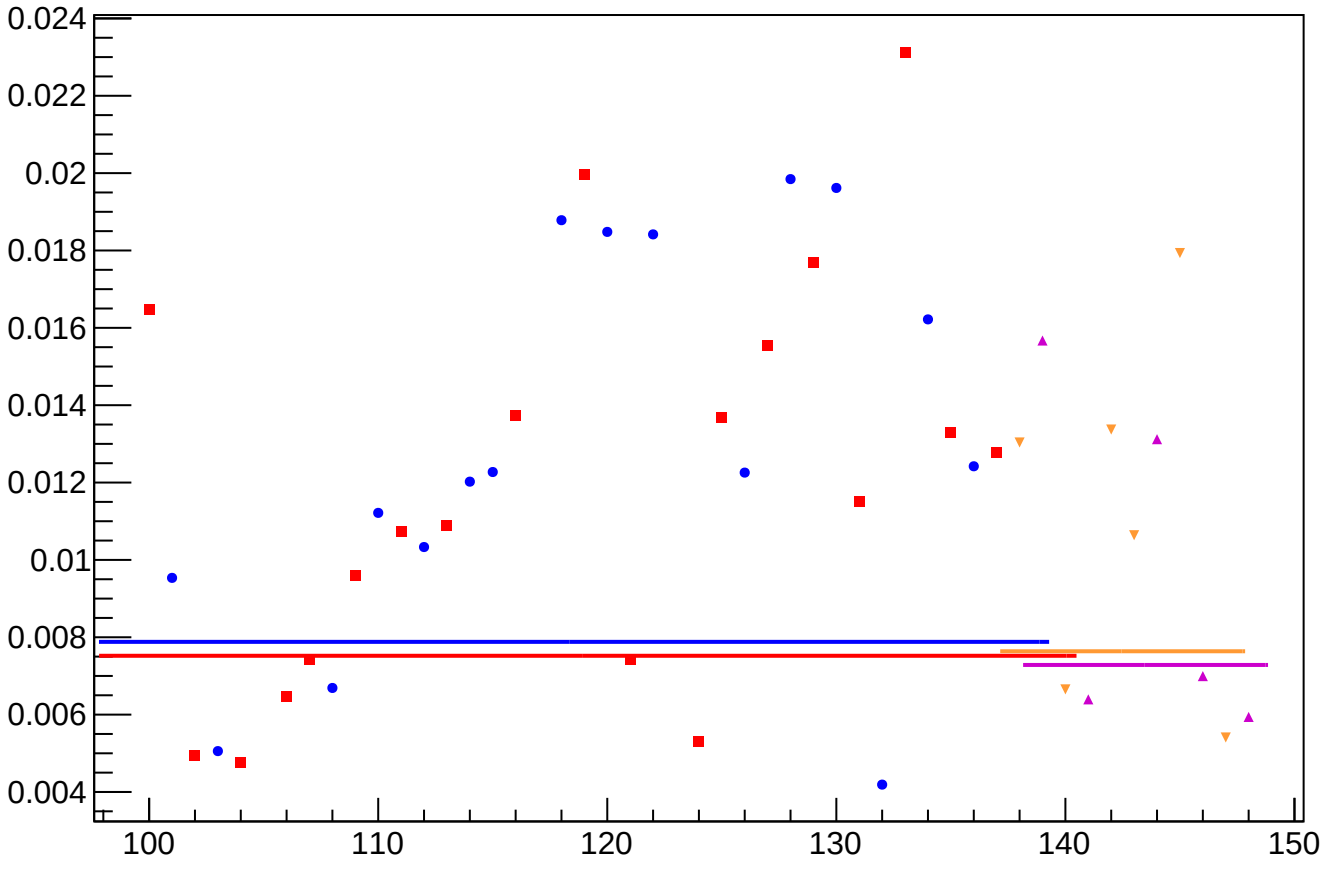
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/21

All: -0.000+/-0.000 χ^2/NDF: 56.8/45

- sign 0.000+/-0.000 χ^2/NDF: 22.0/23



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1355188.3/5

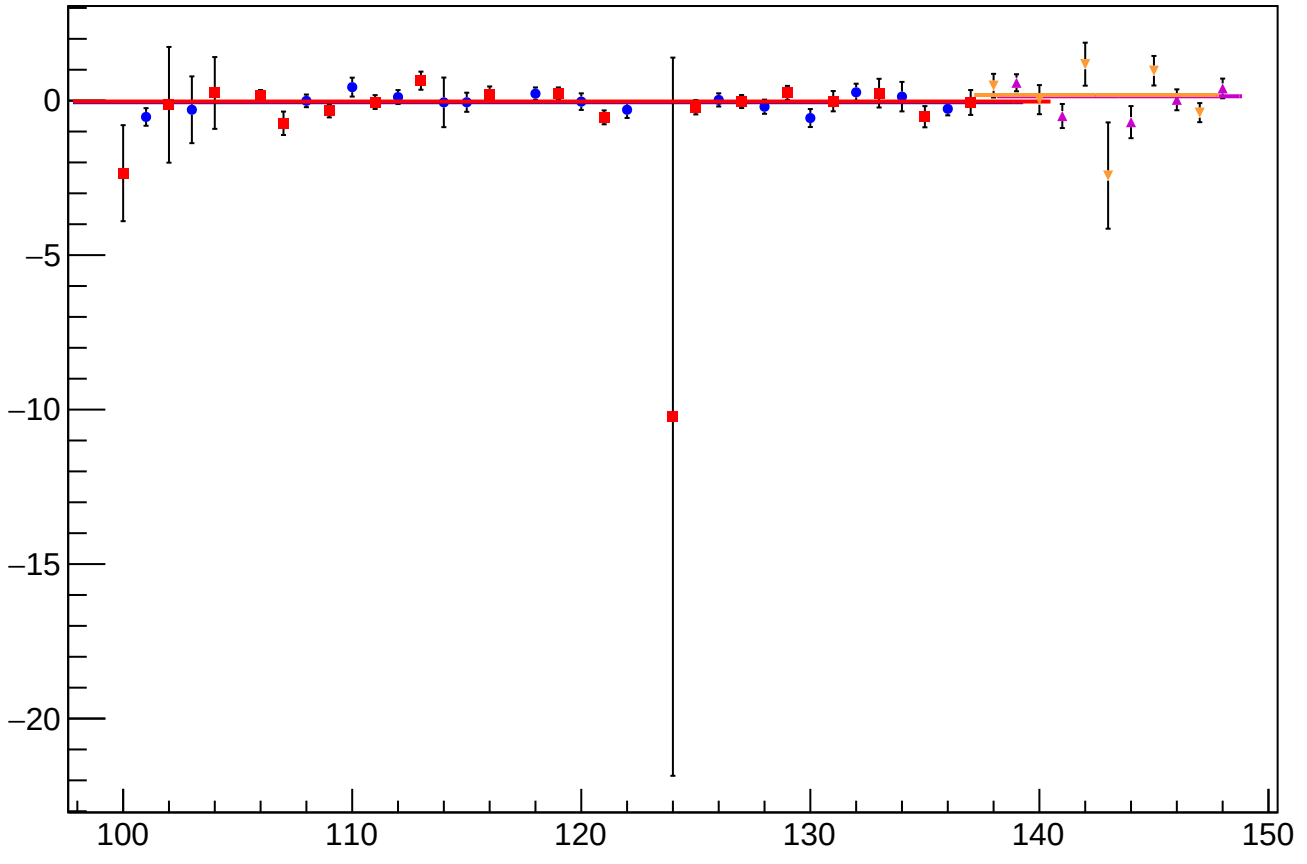
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:913060.0/4

+ sign 0.008+/-0.000 χ^2/NDF: 4661245.4/21

All: 0.008+/-0.000 χ^2/NDF: 8573893.3/45

- sign 0.007+/-0.000 χ^2/NDF: 3892962.3/23



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

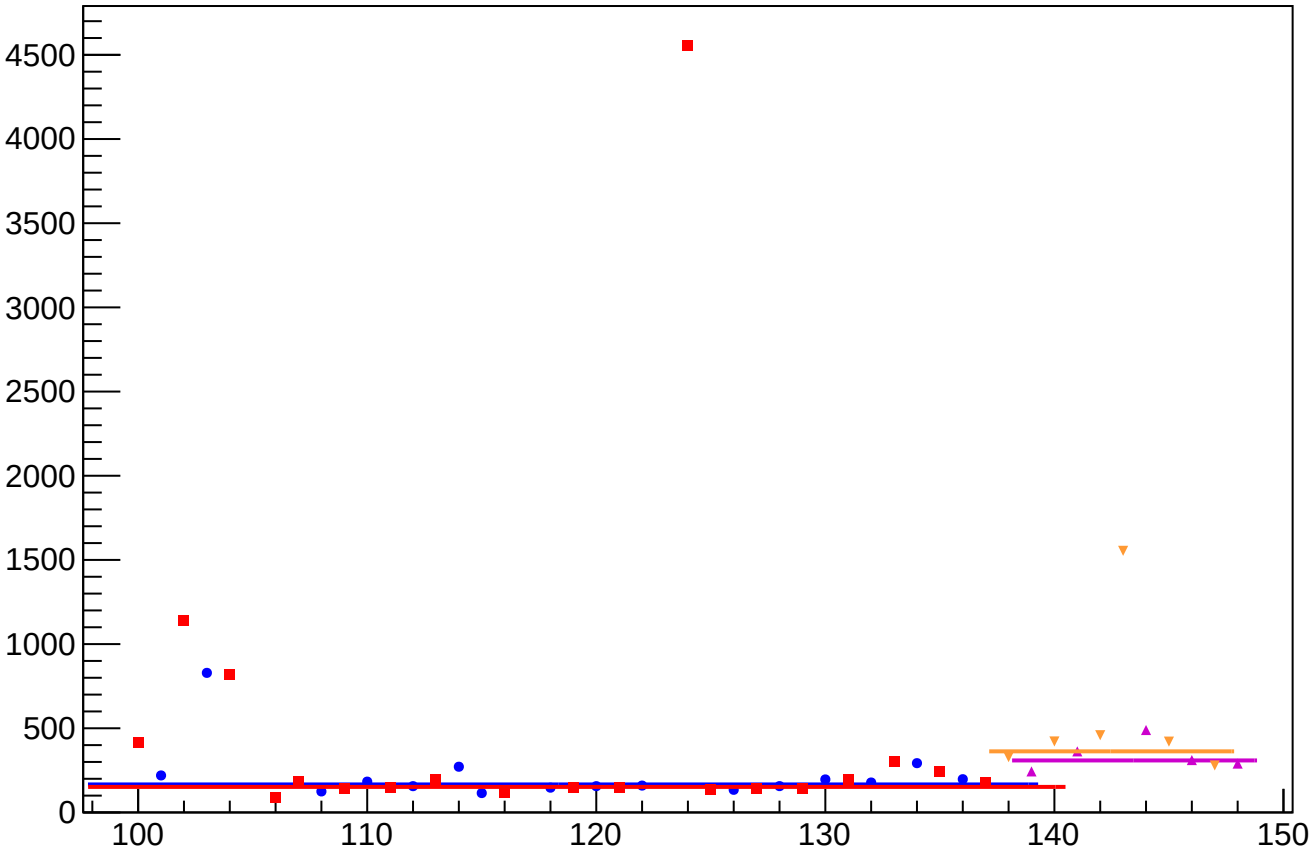
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.014+/-0.043 χ^2/NDF: 64.7/45

- sign -0.004+/-0.059 χ^2/NDF: 37.1/23



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 362.950+/-0.132 χ^2/NDF:1220930.5/5

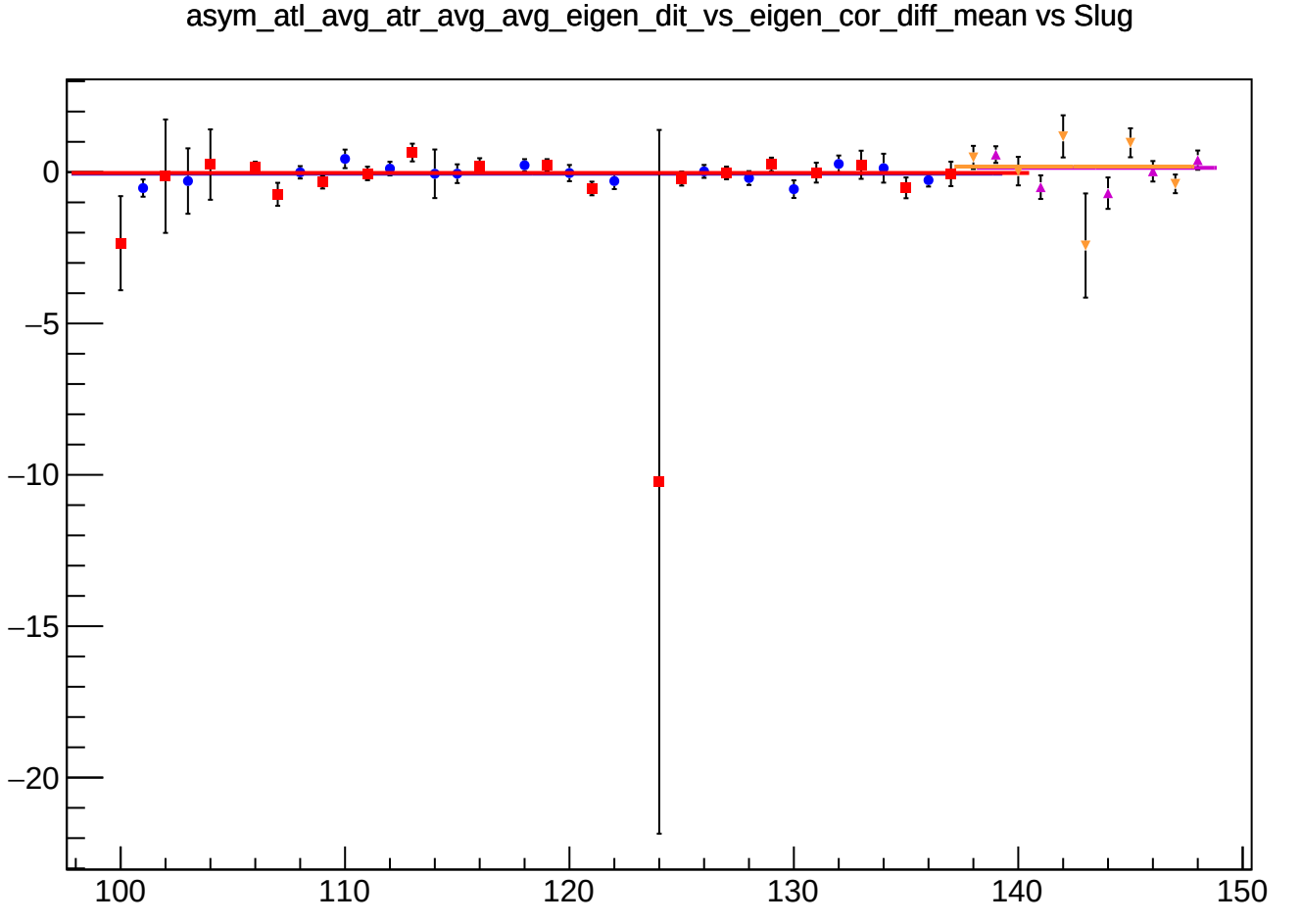
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

+ sign 188.603+/-0.044 χ^2/NDF: 4467869.5/21

All: 181.340+/-0.030 χ^2/NDF: 9006391.8/45

- sign 174.910+/-0.042 χ^2/NDF: 4488152.0/23



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.182+/-0.187 χ^2/NDF:11.2/5

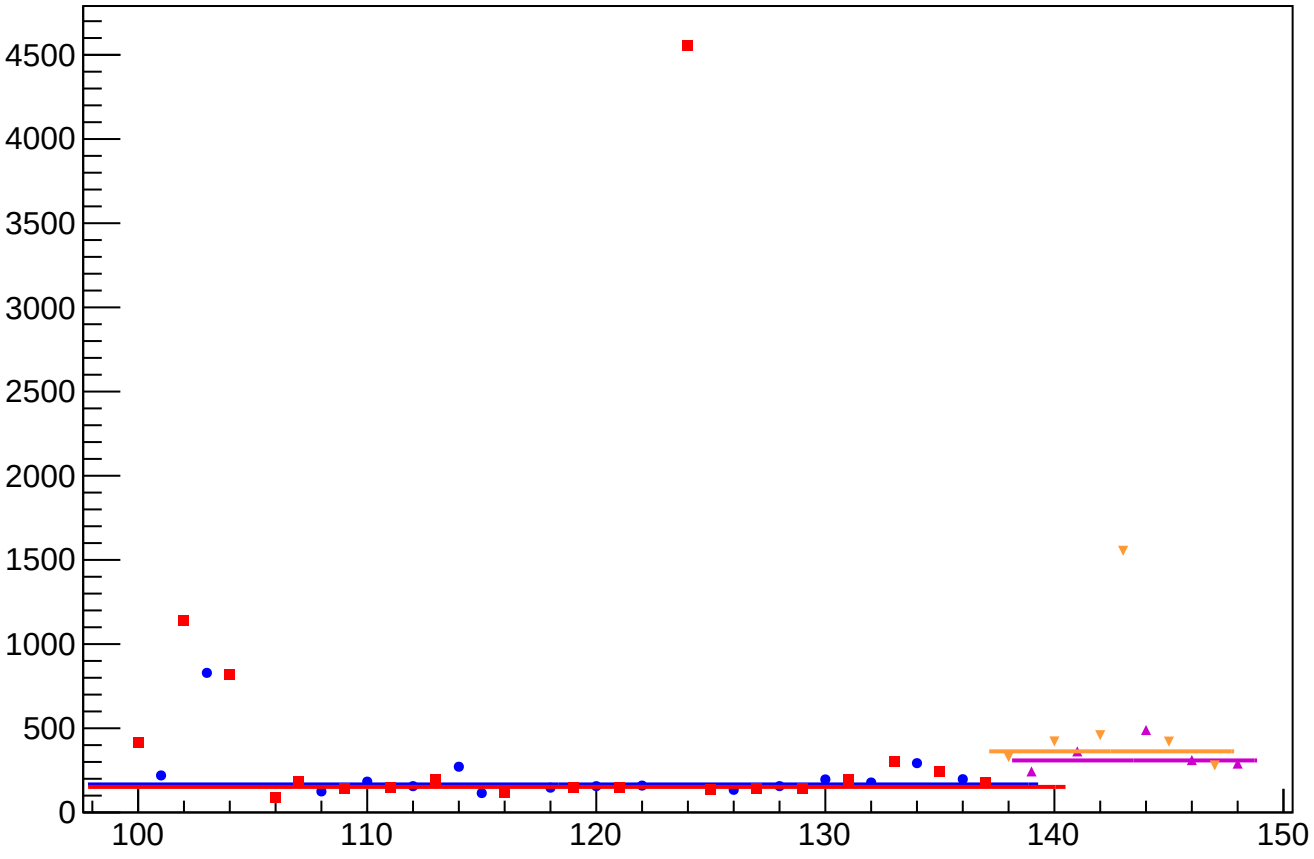
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.025+/-0.063 χ^2/NDF: 27.5/21

All: -0.014+/-0.043 χ^2/NDF: 64.7/45

- sign -0.004+/-0.059 χ^2/NDF: 37.1/23



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 362.950+/-0.132 χ^2/NDF:1220930.5/5

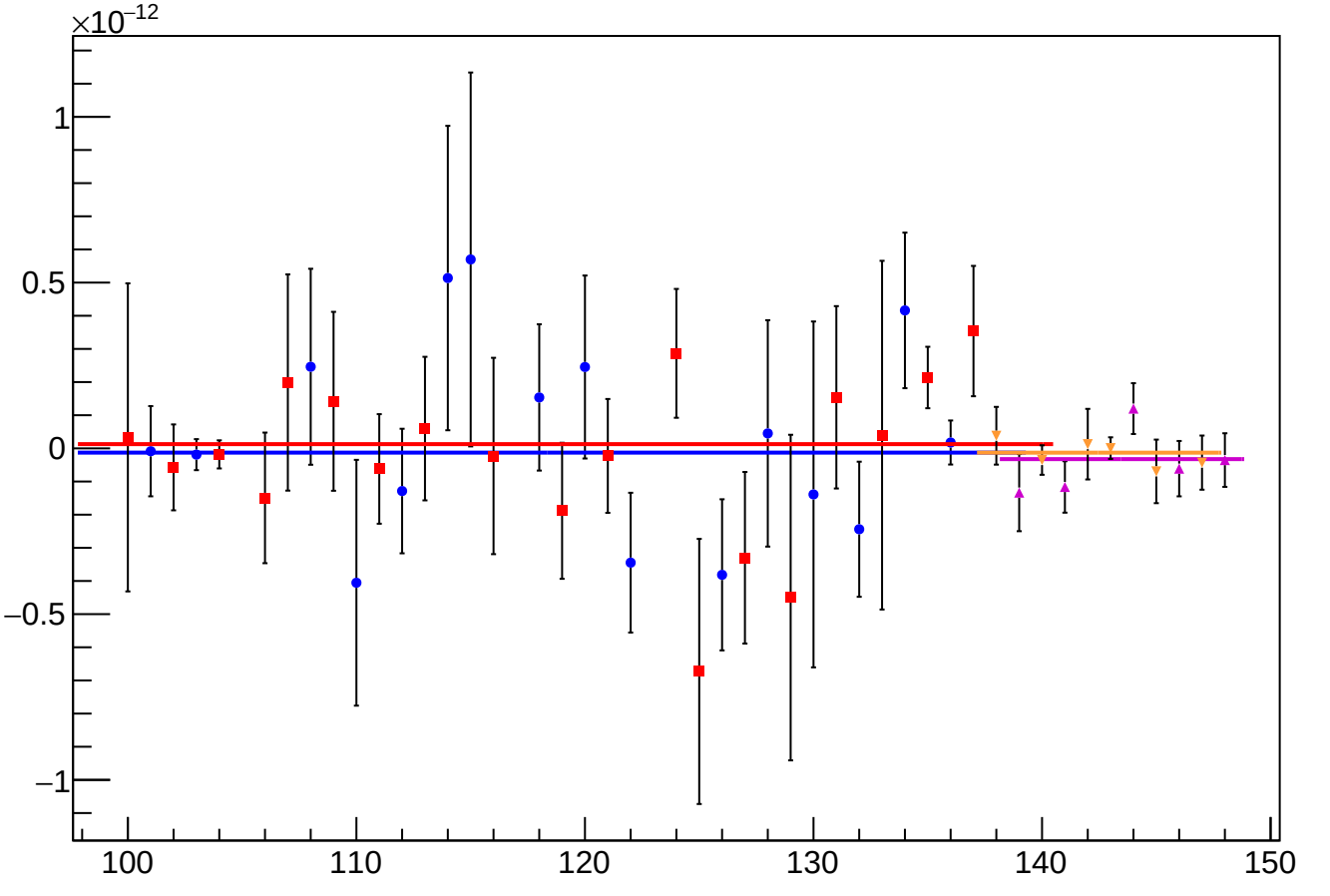
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

+ sign 188.603+/-0.044 χ^2/NDF: 4467869.5/21

All: 181.340+/-0.030 χ^2/NDF: 9006391.8/45

- sign 174.910+/-0.042 χ^2/NDF: 4488152.0/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

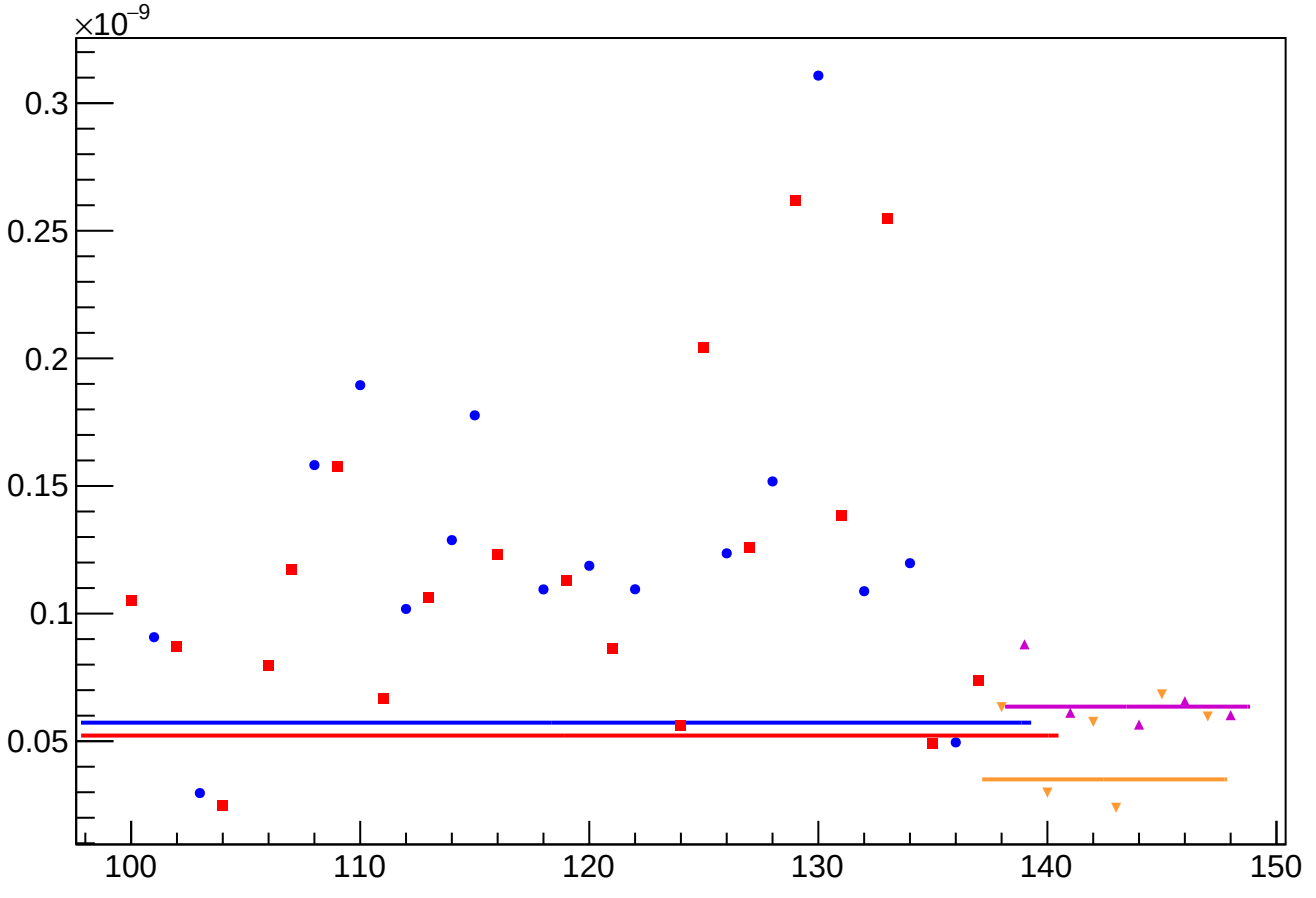
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 17.4/21

All: -0.000+/-0.000 χ^2/NDF: 43.2/45

- sign -0.000+/-0.000 χ^2/NDF: 25.7/23



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

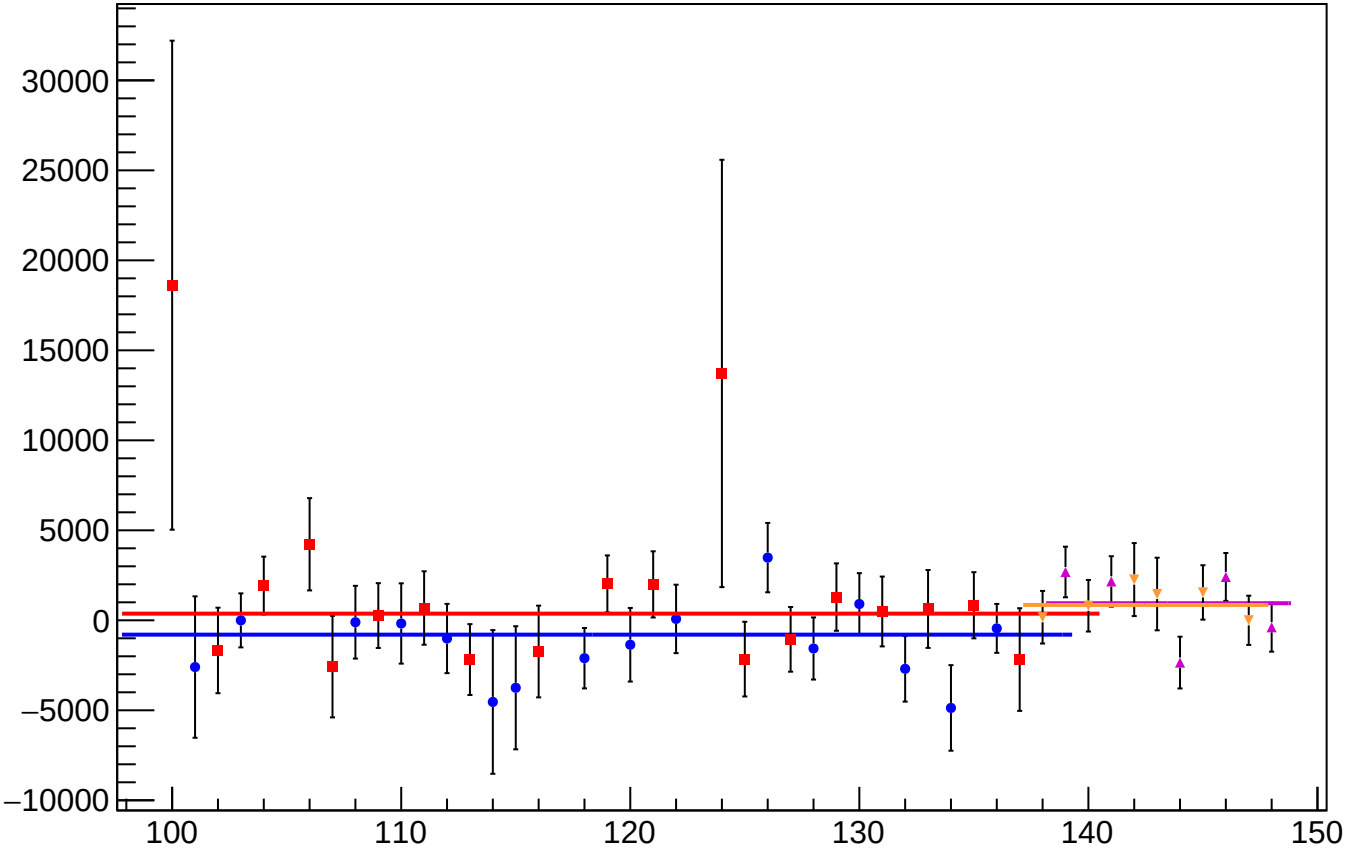
Left In: 0.000+/-0.000 χ^2/NDF:111491.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 4581838.5/21

All: 0.000+/-0.000 χ^2/NDF: 8546154.4/45

- sign 0.000+/-0.000 χ^2/NDF: 3505915.4/23

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

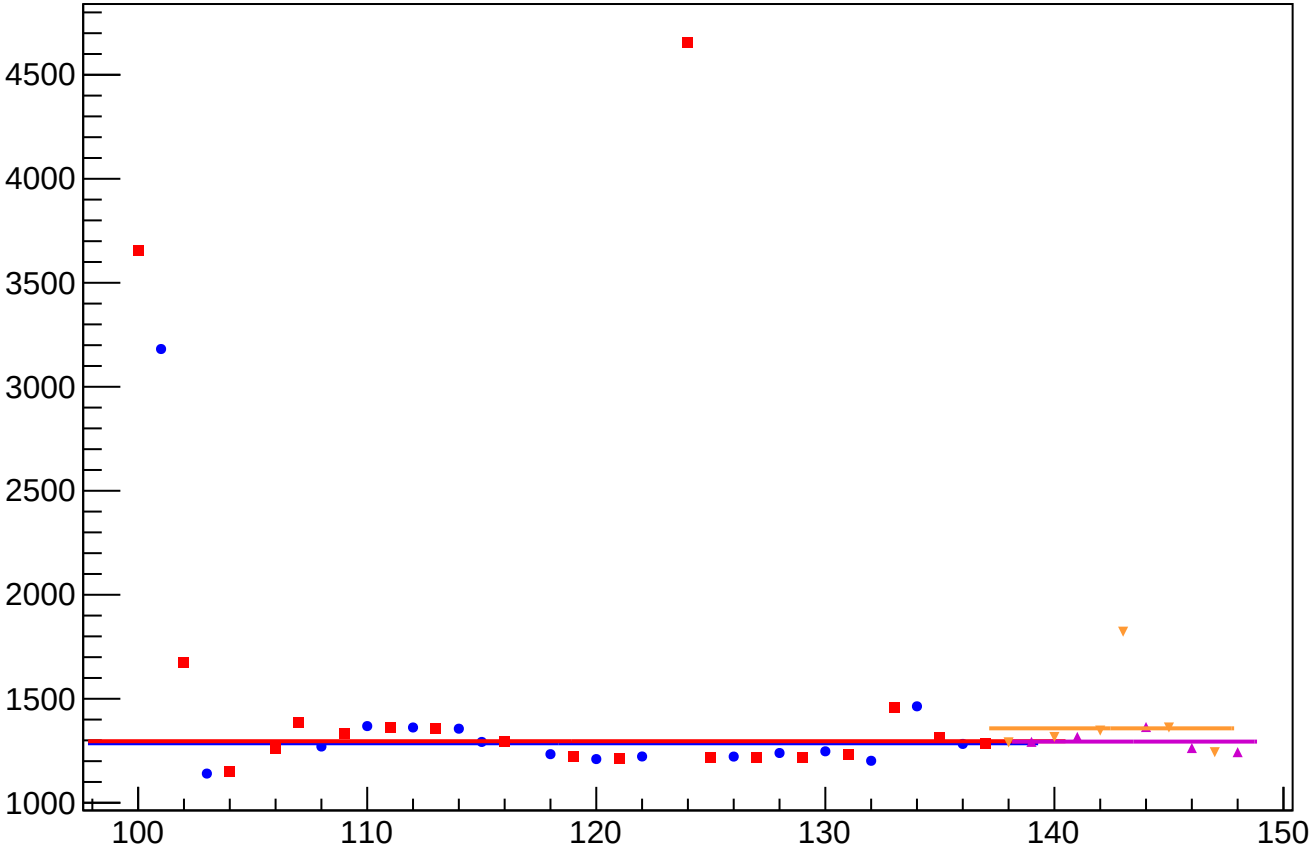
Left In: 948.937+/-619.013 χ^2/NDF:9.7/4

+ sign -195.270+/-388.481 χ^2/NDF: 19.0/21

All: 204.137+/-272.441 χ^2/NDF: 46.9/45

- sign 590.684+/-382.176 χ^2/NDF: 25.9/23

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

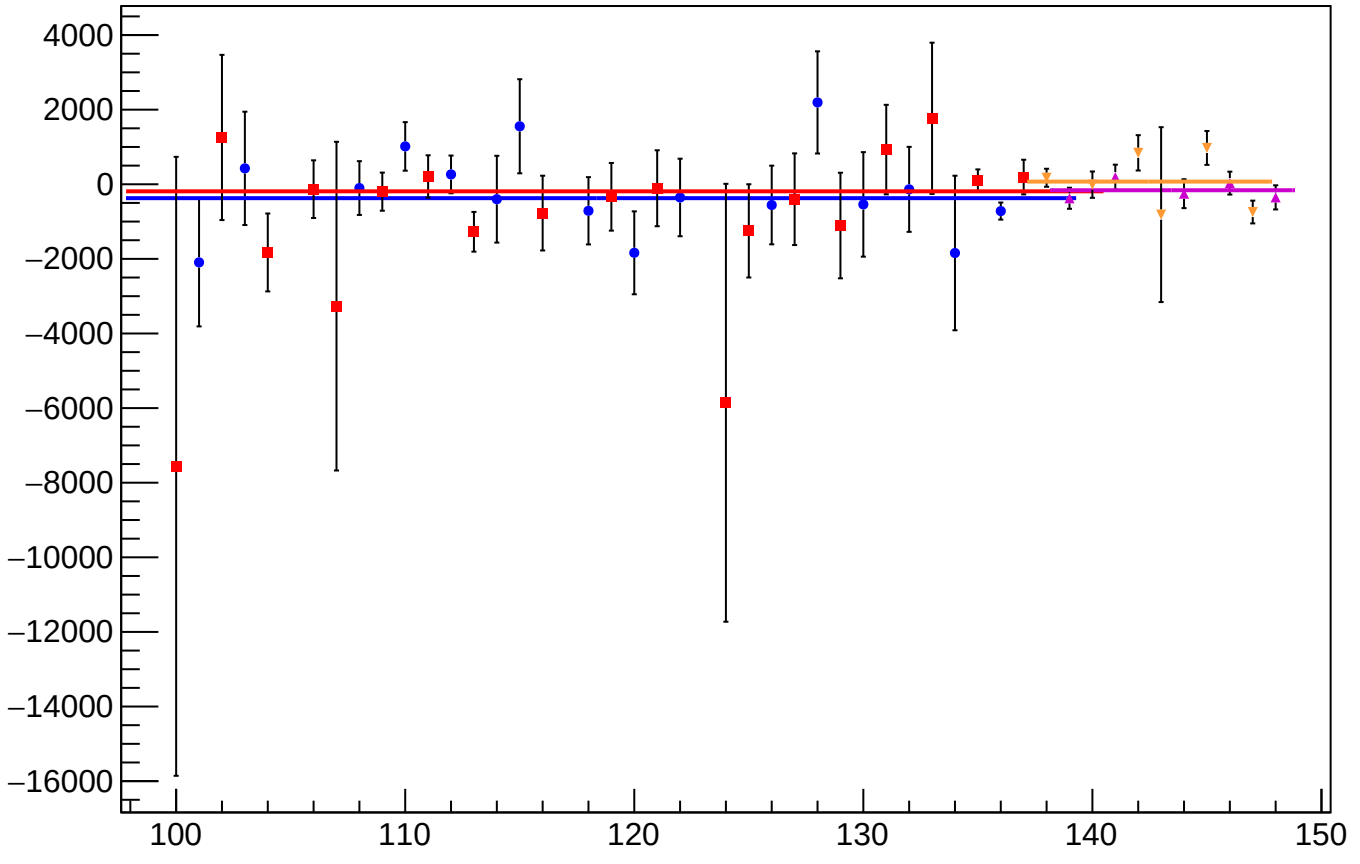
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660157.4/21

All: 1303.606+/-0.193 χ^2/NDF: 999365.0/45

- sign 1295.221+/-0.270 χ^2/NDF: 337250.0/23



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 71.773+/-148.385 χ^2/NDF:14.1/5

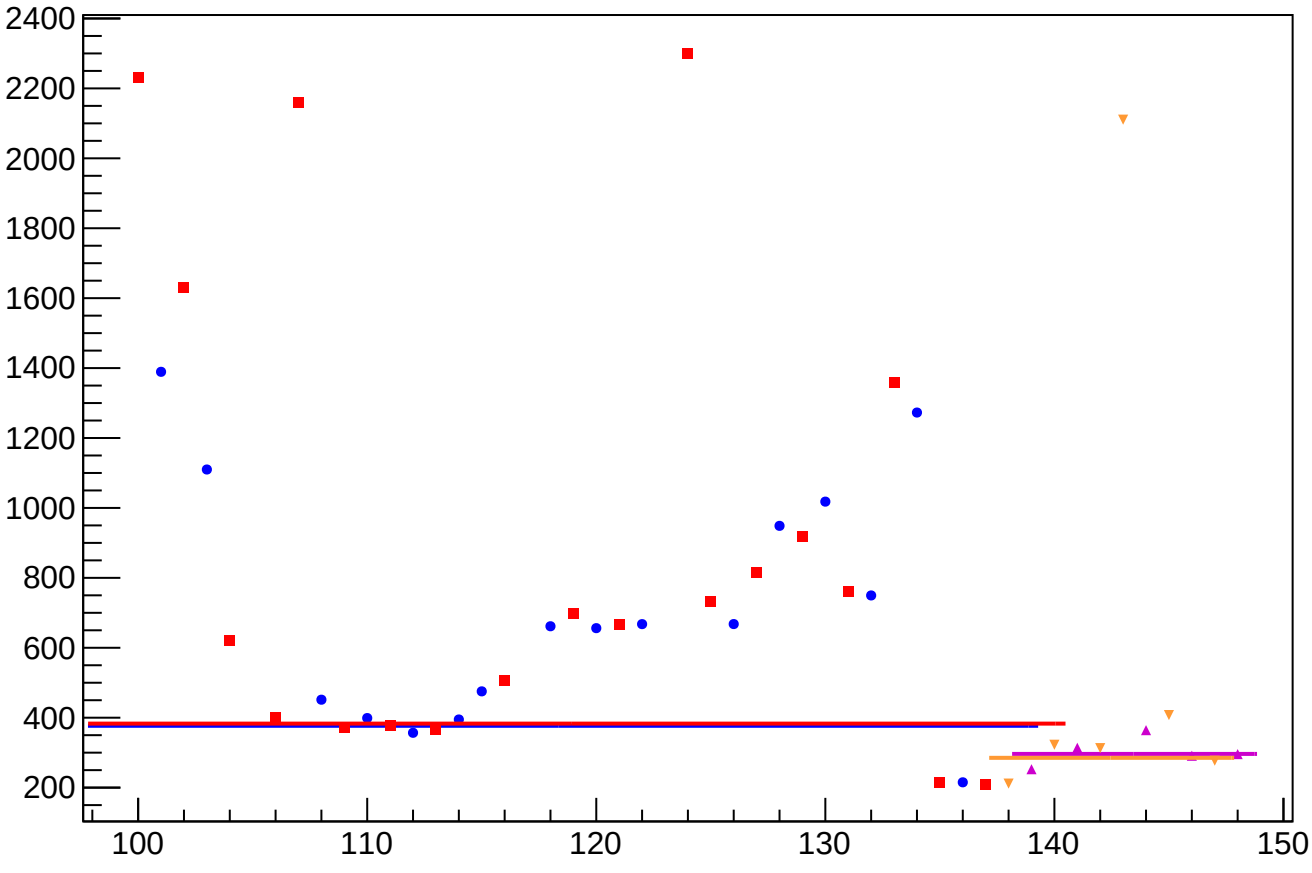
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -160.187+/-143.929 χ^2/NDF:2.5/4

+ sign -122.584+/-111.275 χ^2/NDF: 36.2/21

All: -147.753+/-78.132 χ^2/NDF: 53.4/45

- sign -172.229+/-109.732 χ^2/NDF: 17.1/23



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

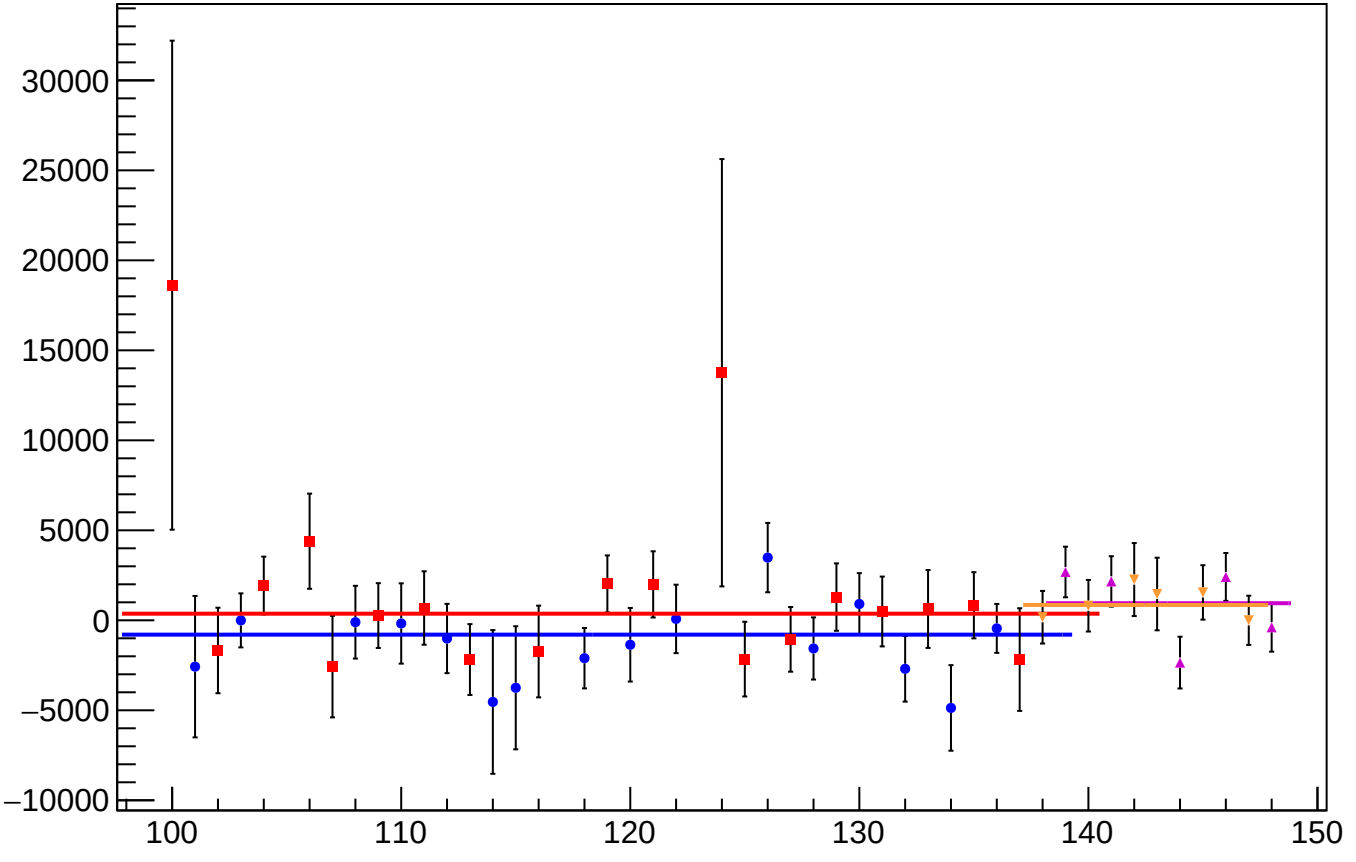
Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

+ sign 325.332+/-0.079 χ^2/NDF: 6099584.5/21

All: 329.064+/-0.055 χ^2/NDF: 10577625.9/45

- sign 332.693+/-0.078 χ^2/NDF: 4473603.3/23

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

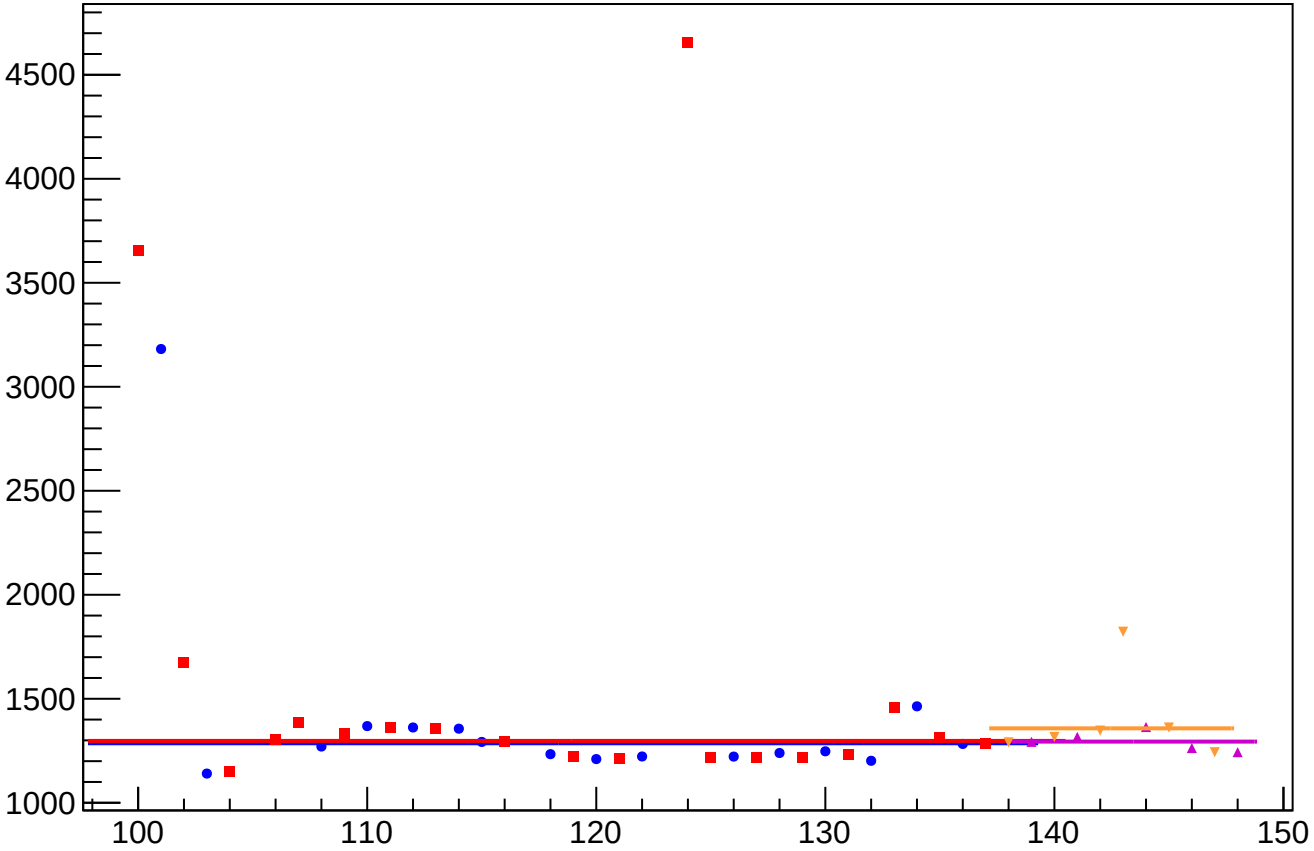
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 203.371+/-272.533 χ^2/NDF: 47.0/45

- sign 589.431+/-382.430 χ^2/NDF: 25.9/23

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

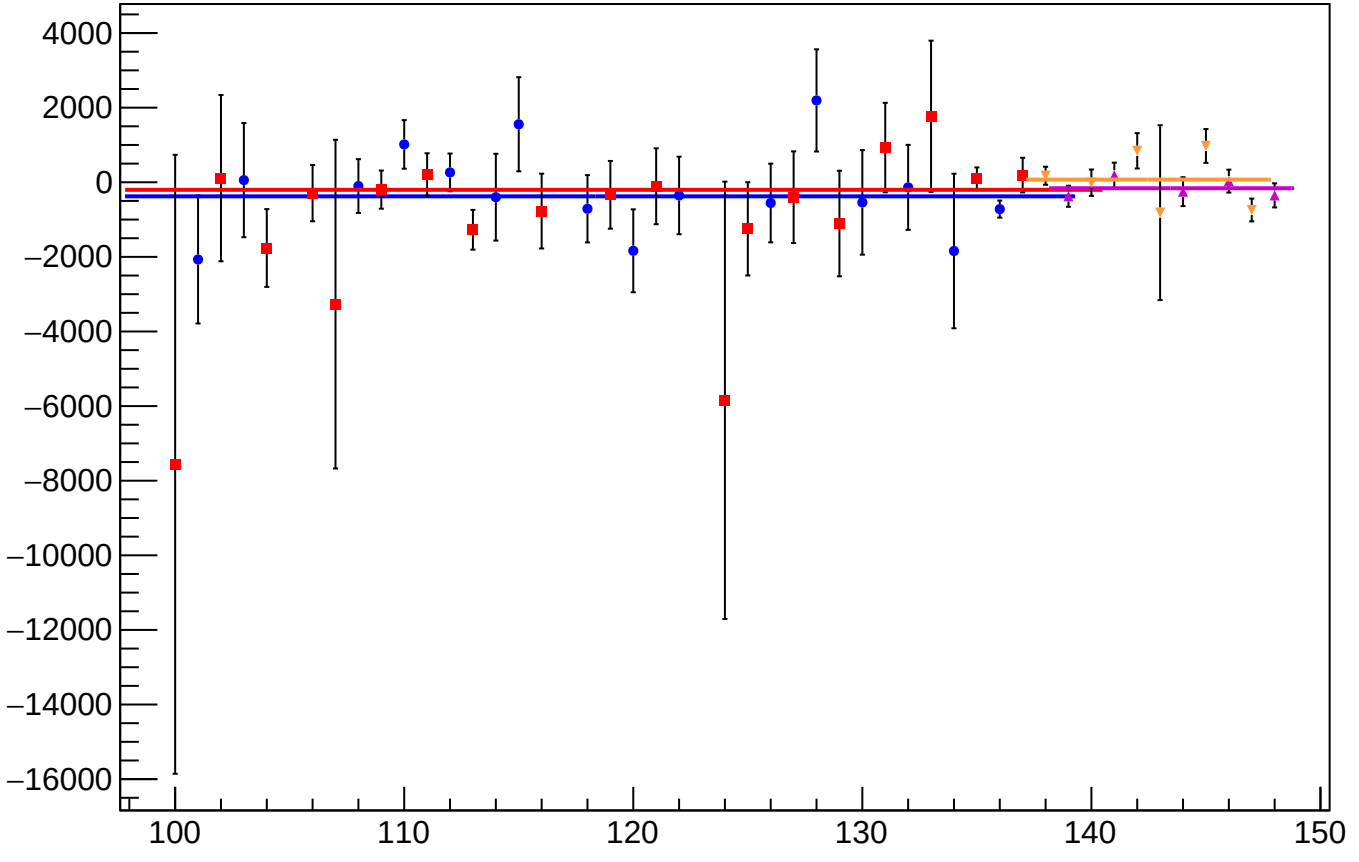
Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

- sign 1296.117+/-0.270 χ^2/NDF: 336946.3/23

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

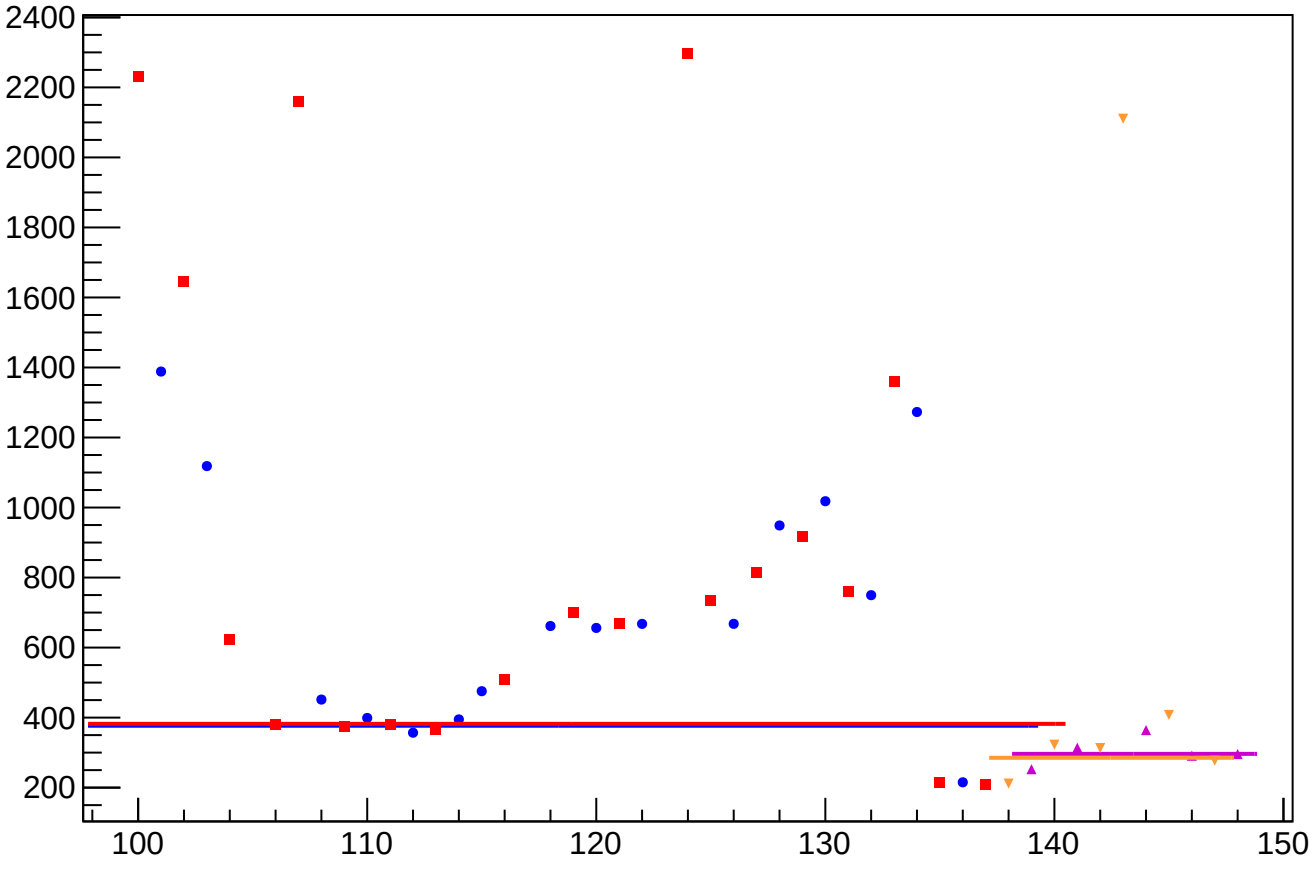
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -151.537+/-78.115 χ^2/NDF: 52.7/45

- sign -177.835+/-109.678 χ^2/NDF: 16.5/23



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

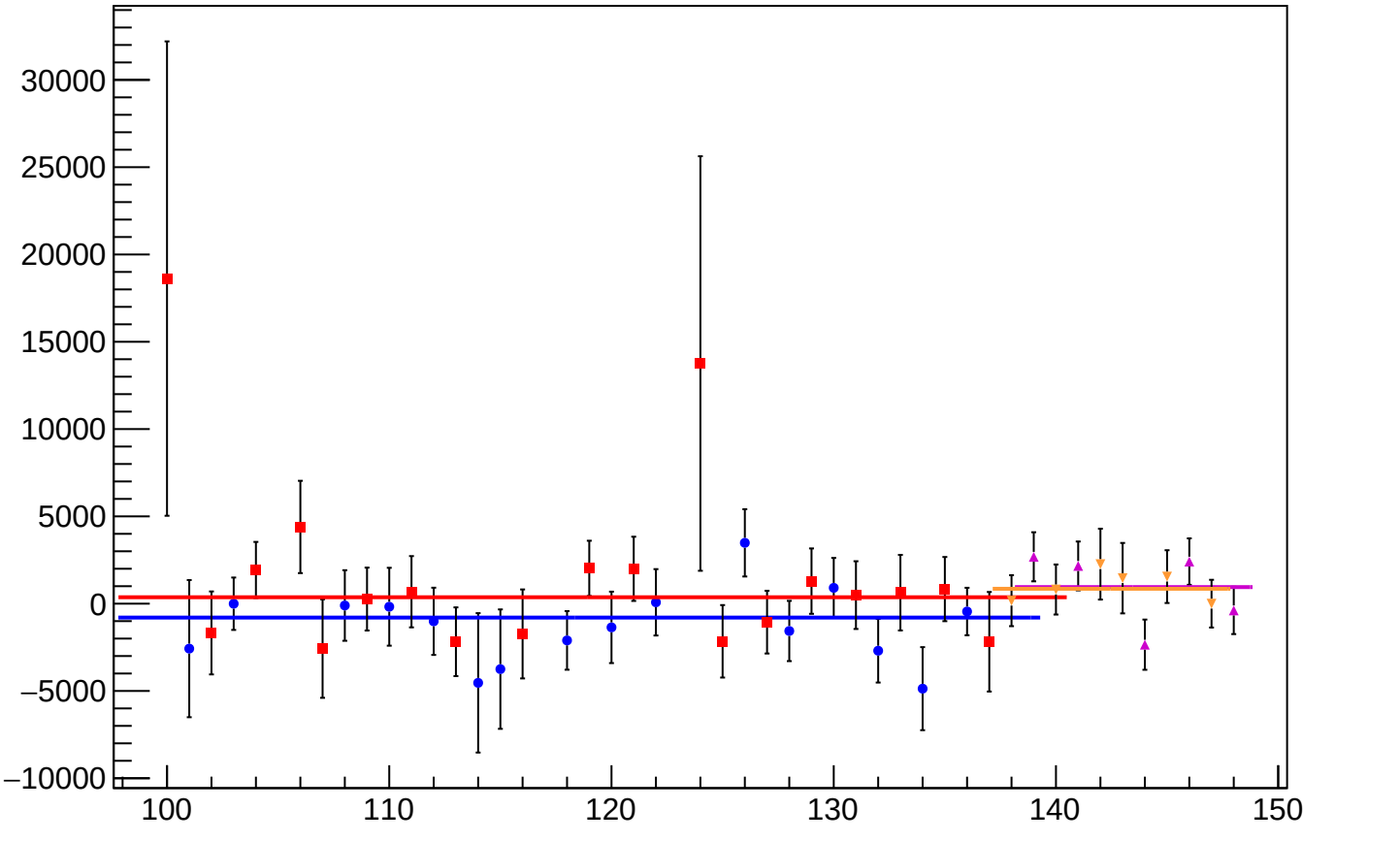
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45

- sign 332.349+/-0.078 χ^2/NDF: 4472936.1/23



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

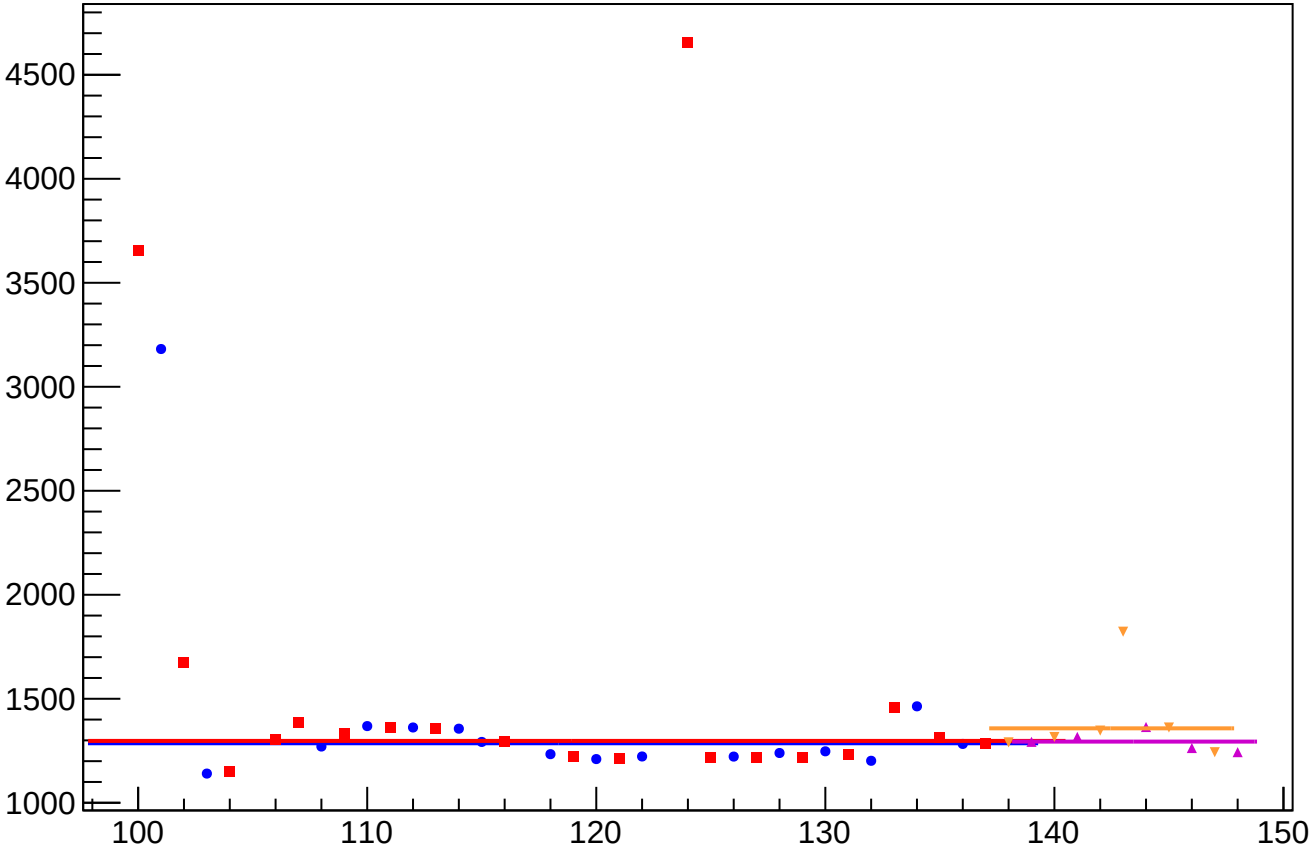
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 203.371+/-272.533 χ^2/NDF: 47.0/45

- sign 589.431+/-382.430 χ^2/NDF: 25.9/23

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

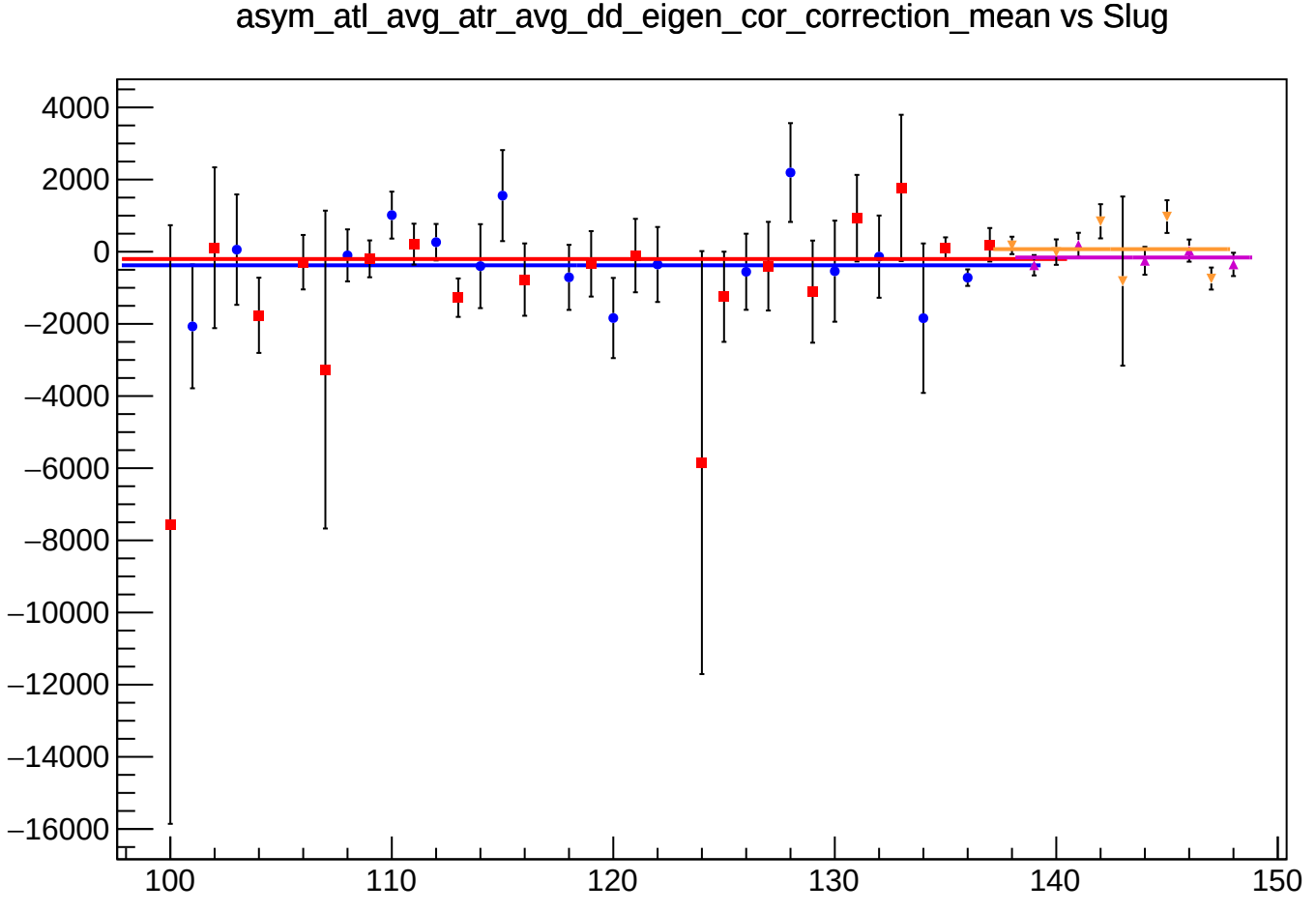
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

- sign 1296.117+/-0.270 χ^2/NDF: 336946.3/23



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

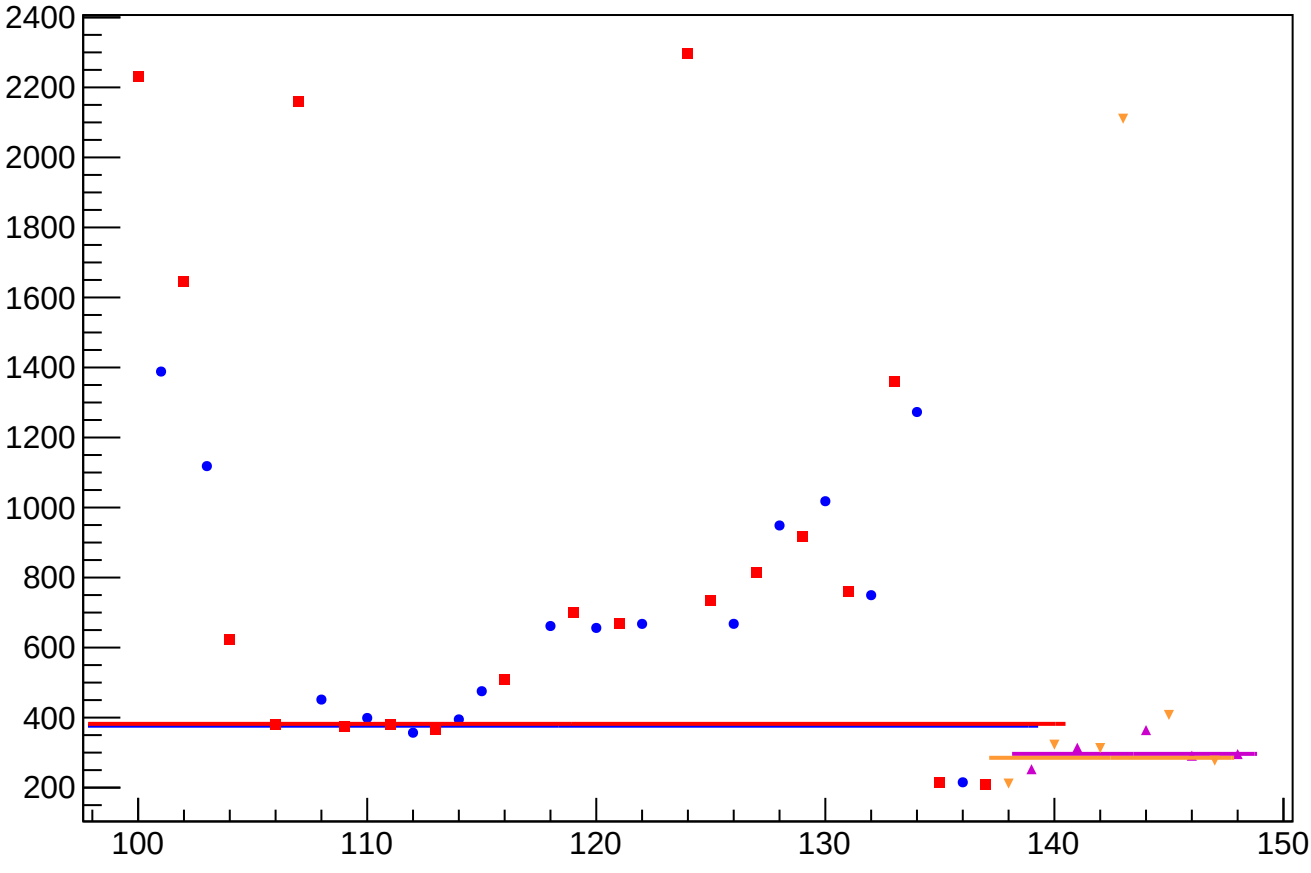
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -151.537+/-78.115 χ^2/NDF: 52.7/45

- sign -177.835+/-109.678 χ^2/NDF: 16.5/23



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

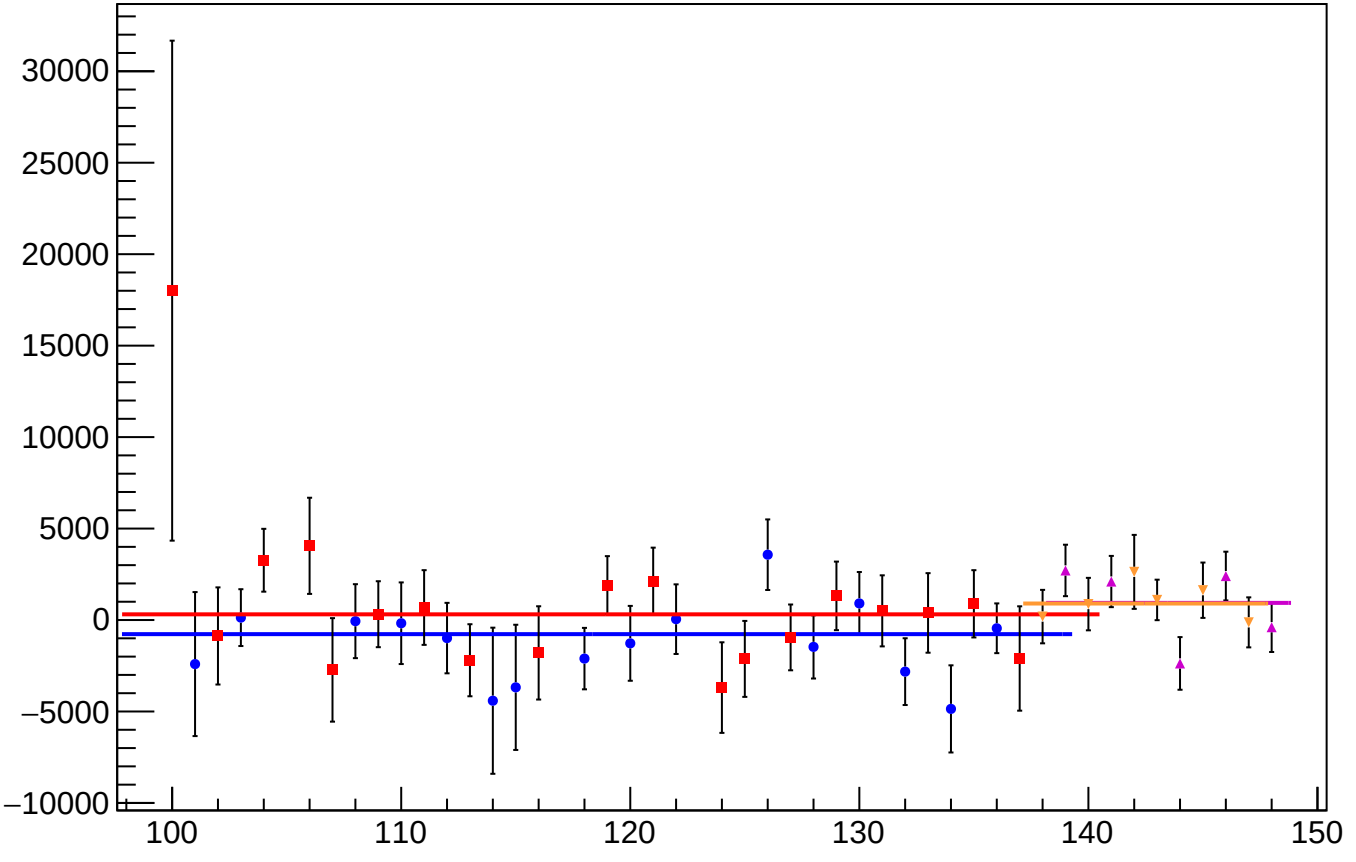
Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45

- sign 332.349+/-0.078 χ^2/NDF: 4472936.1/23

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

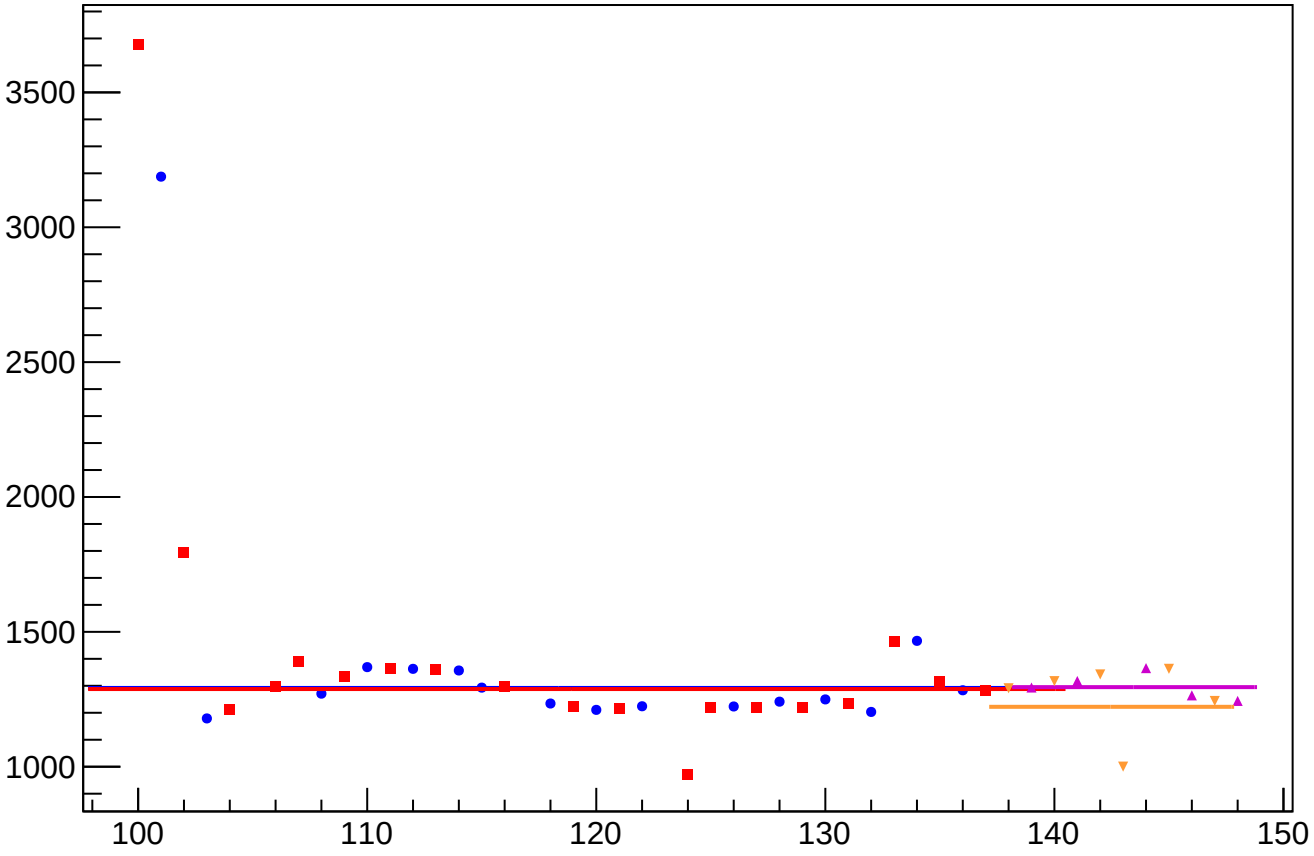
Left In: 937.011+/-619.503 χ^2/NDF:9.7/4

+ sign -73.085+/-373.760 χ^2/NDF: 20.3/21

All: 231.574+/-266.720 χ^2/NDF: 50.0/45

- sign 547.710+/-380.734 χ^2/NDF: 28.3/23

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

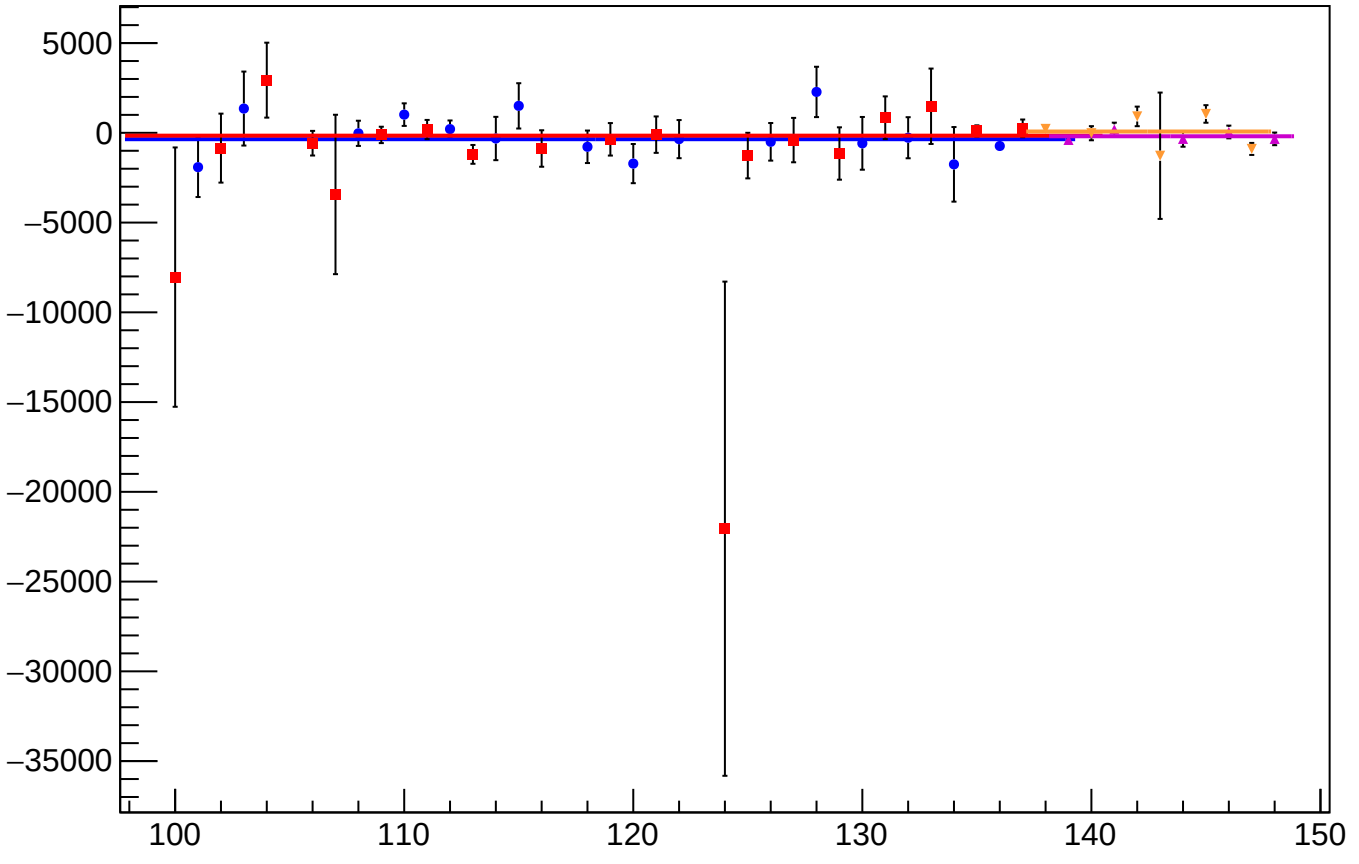
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1262.857+/-0.264 χ^2/NDF: 644812.4/21

All: 1276.502+/-0.189 χ^2/NDF: 868832.7/45

- sign 1290.661+/-0.269 χ^2/NDF: 218589.1/23



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

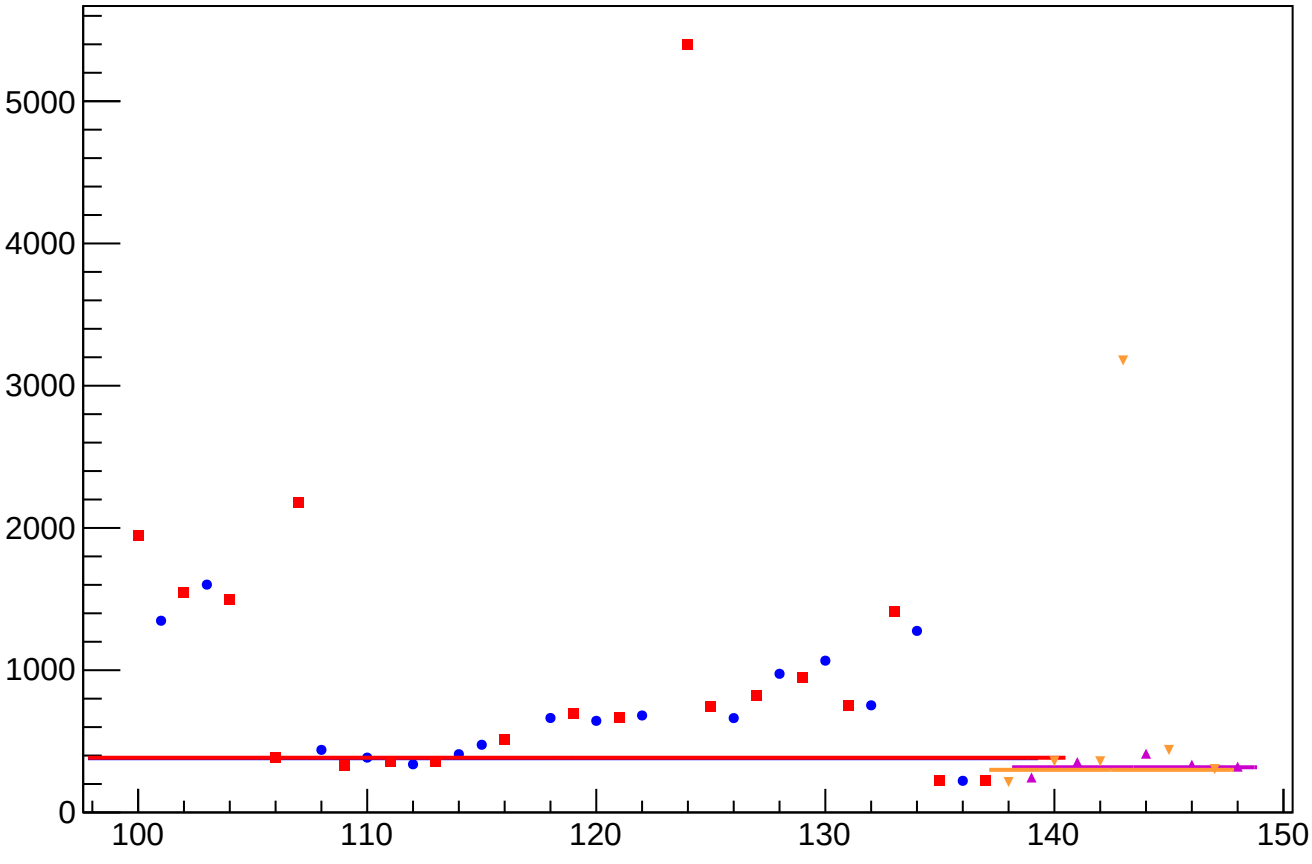
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -192.040+/-155.654 χ^2/NDF:2.3/4

\+ sign -126.191+/-115.900 χ^2/NDF: 37.2/21

All: -151.582+/-81.525 χ^2/NDF: 55.4/45

\- sign -176.448+/-114.698 χ^2/NDF: 18.1/23



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

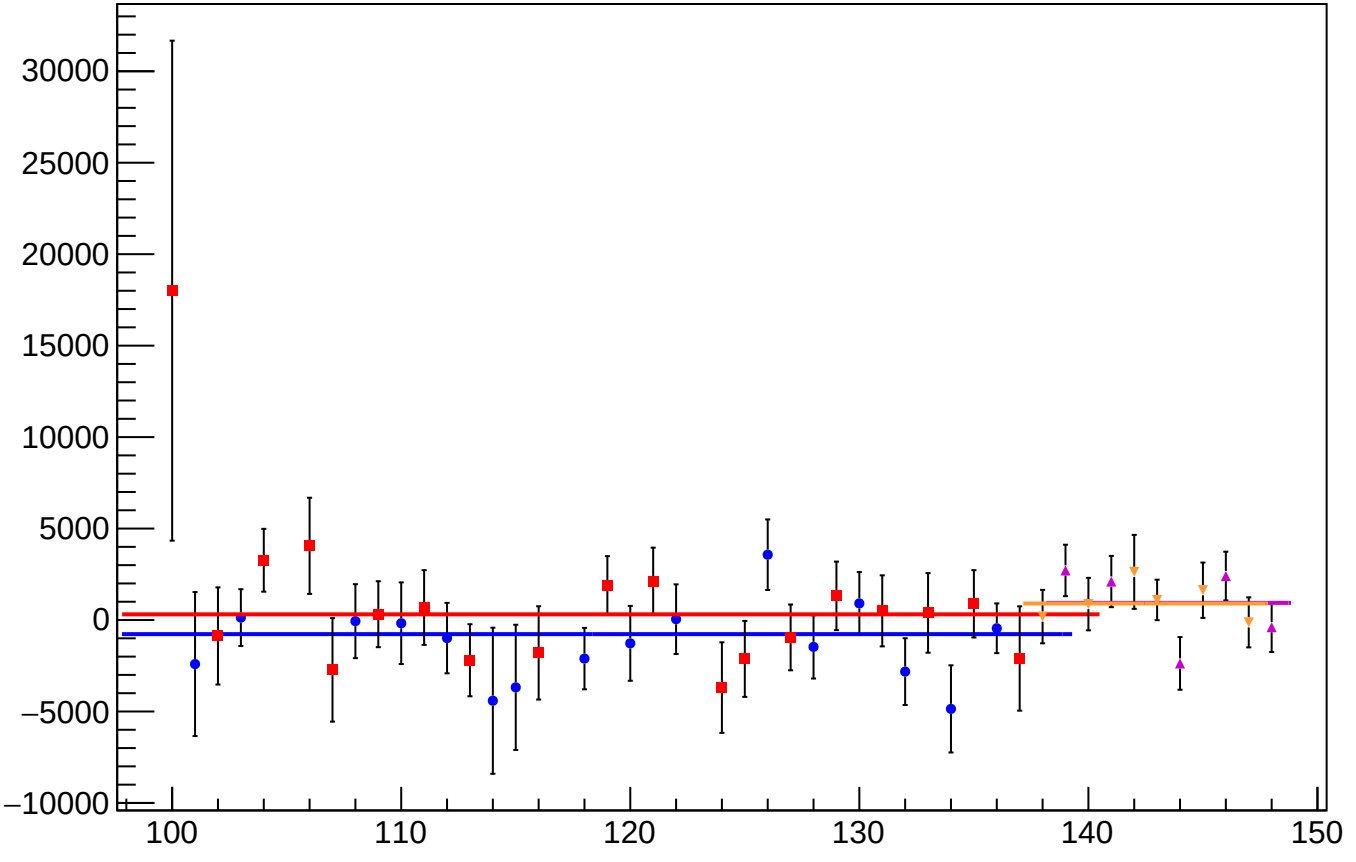
Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

+ sign 337.671+/-0.082 χ^2/NDF: 6386360.8/21

All: 343.042+/-0.058 χ^2/NDF: 11378030.4/45

- sign 348.303+/-0.081 χ^2/NDF: 4983167.2/23

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

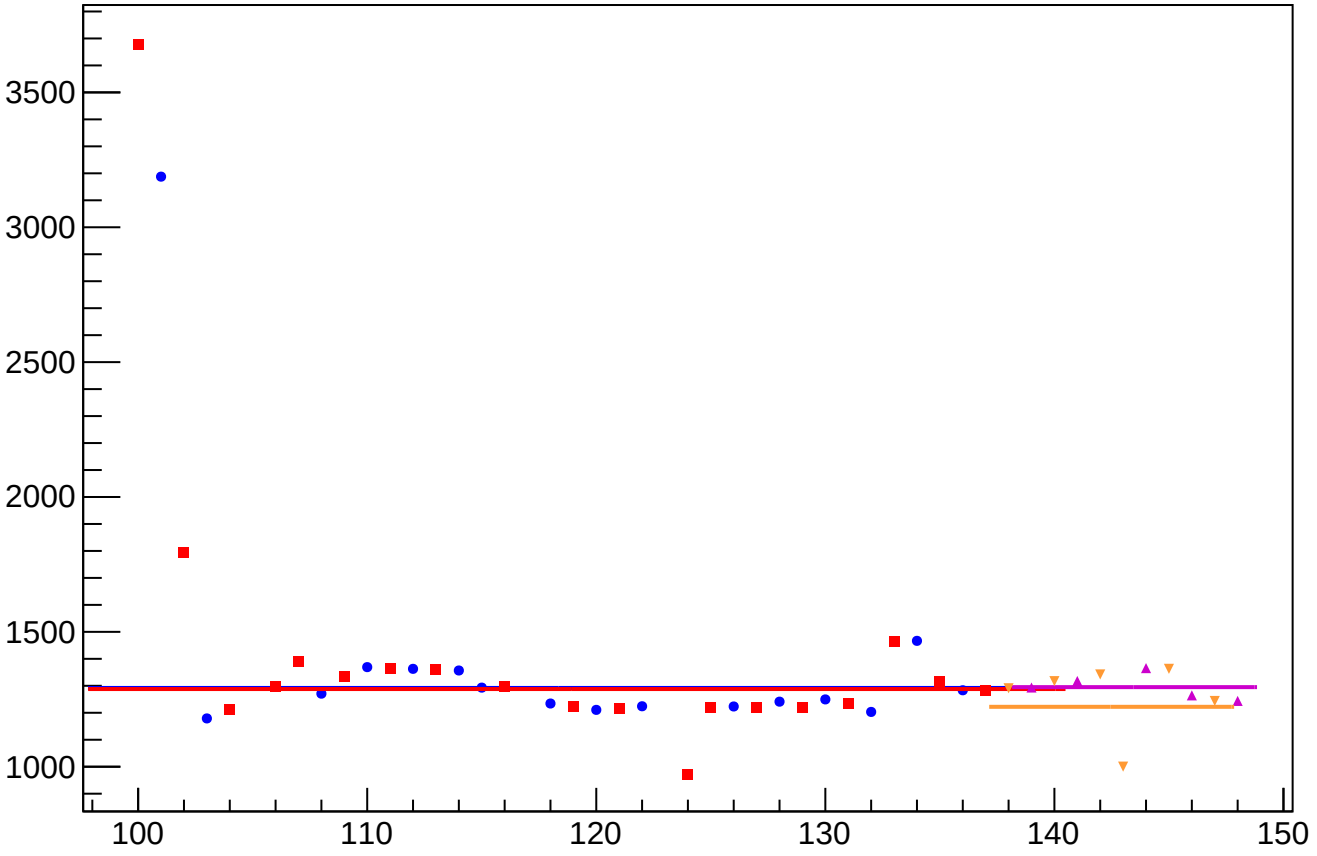
Left In: 937.007+/-619.503 χ^2/NDF:9.7/4

+ sign -73.086+/-373.760 χ^2/NDF: 20.3/21

All: 231.573+/-266.720 χ^2/NDF: 50.0/45

- sign 547.710+/-380.734 χ^2/NDF: 28.3/23

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

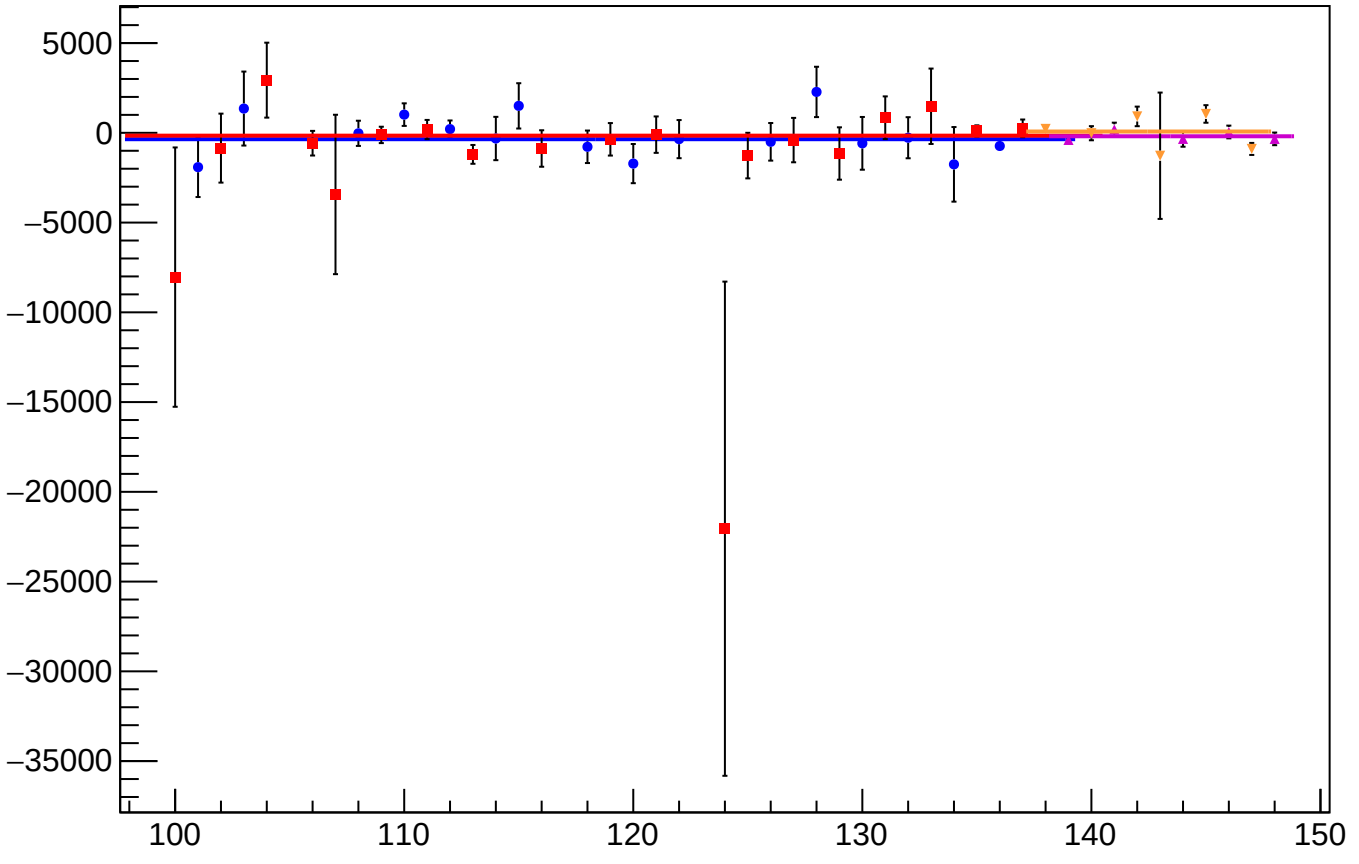
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1262.858+/-0.264 χ^2/NDF: 644811.4/21

All: 1276.502+/-0.189 χ^2/NDF: 868832.0/45

- sign 1290.661+/-0.269 χ^2/NDF: 218589.4/23



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 72.844+/-158.455 χ^2/NDF:15.3/5

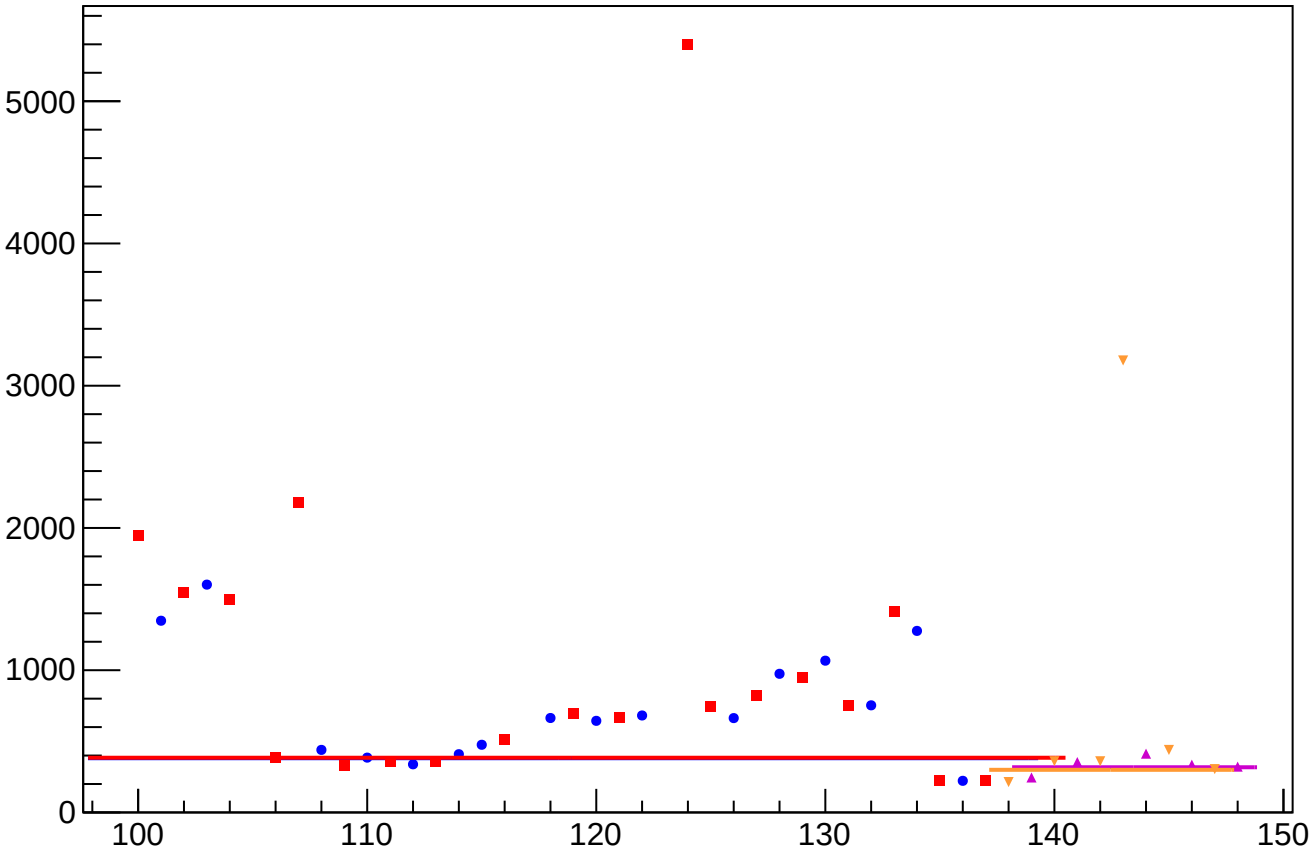
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -192.041+/-155.657 χ^2/NDF:2.3/4

\+ sign -126.196+/-115.903 χ^2/NDF: 37.2/21

All: -151.586+/-81.527 χ^2/NDF: 55.4/45

\- sign -176.452+/-114.700 χ^2/NDF: 18.1/23



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

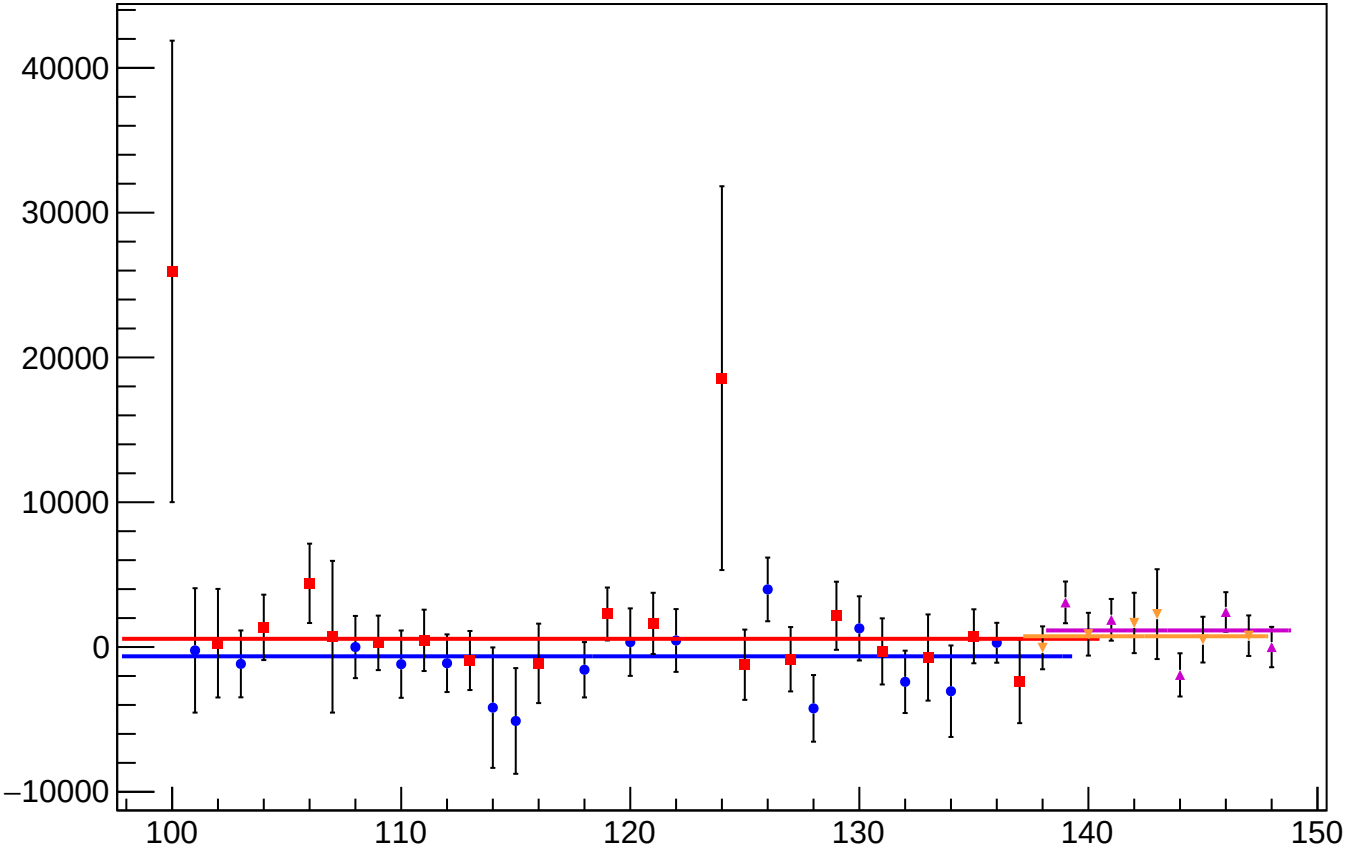
Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

+ sign 337.682+/-0.082 χ^2/NDF: 6386063.6/21

All: 343.051+/-0.058 χ^2/NDF: 11377517.2/45

- sign 348.310+/-0.081 χ^2/NDF: 4982956.6/23

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

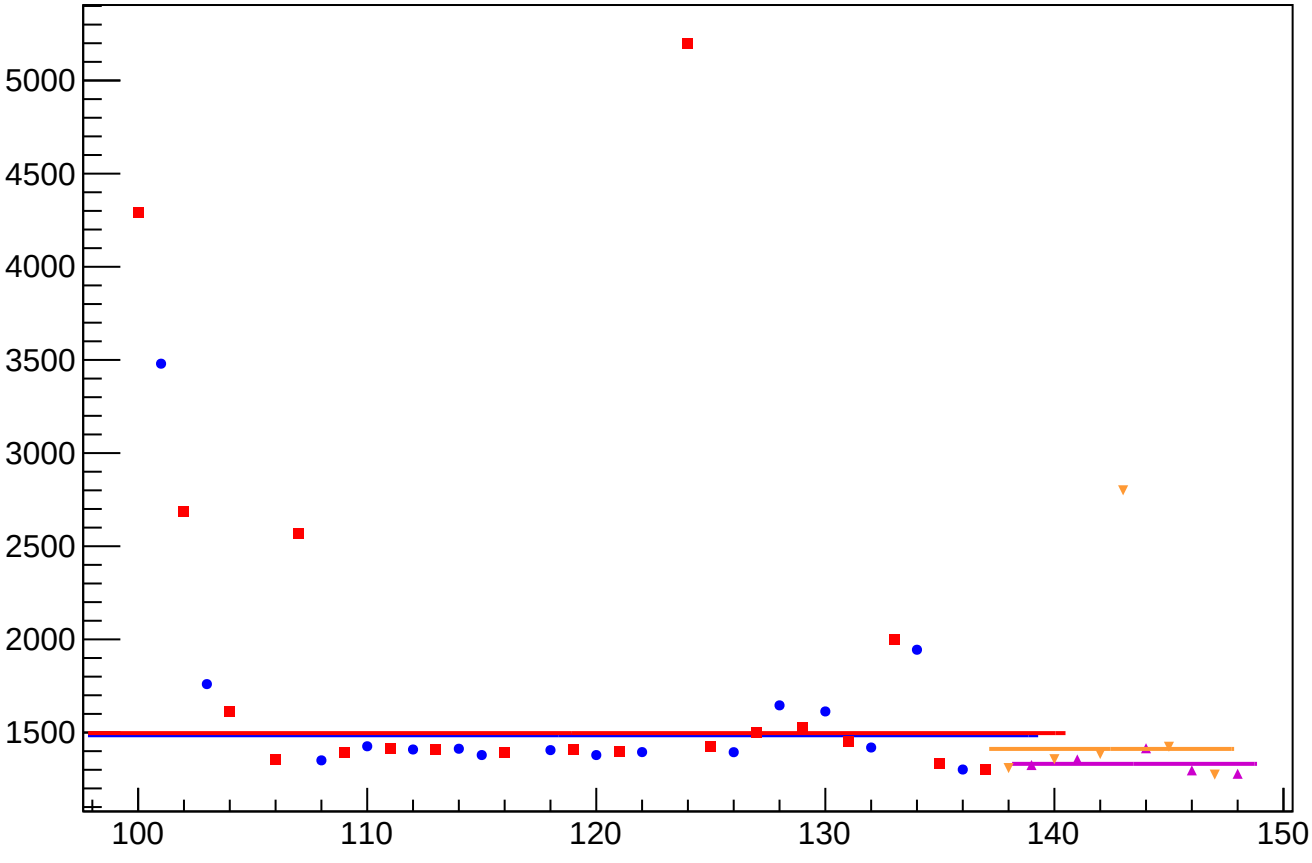
Left In: 1147.000+/-637.213 χ^2/NDF:7.9/4

+ sign -76.998+/-434.481 χ^2/NDF: 15.7/21

All: 384.693+/-303.265 χ^2/NDF: 37.5/45

- sign 823.325+/-423.493 χ^2/NDF: 19.6/23

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

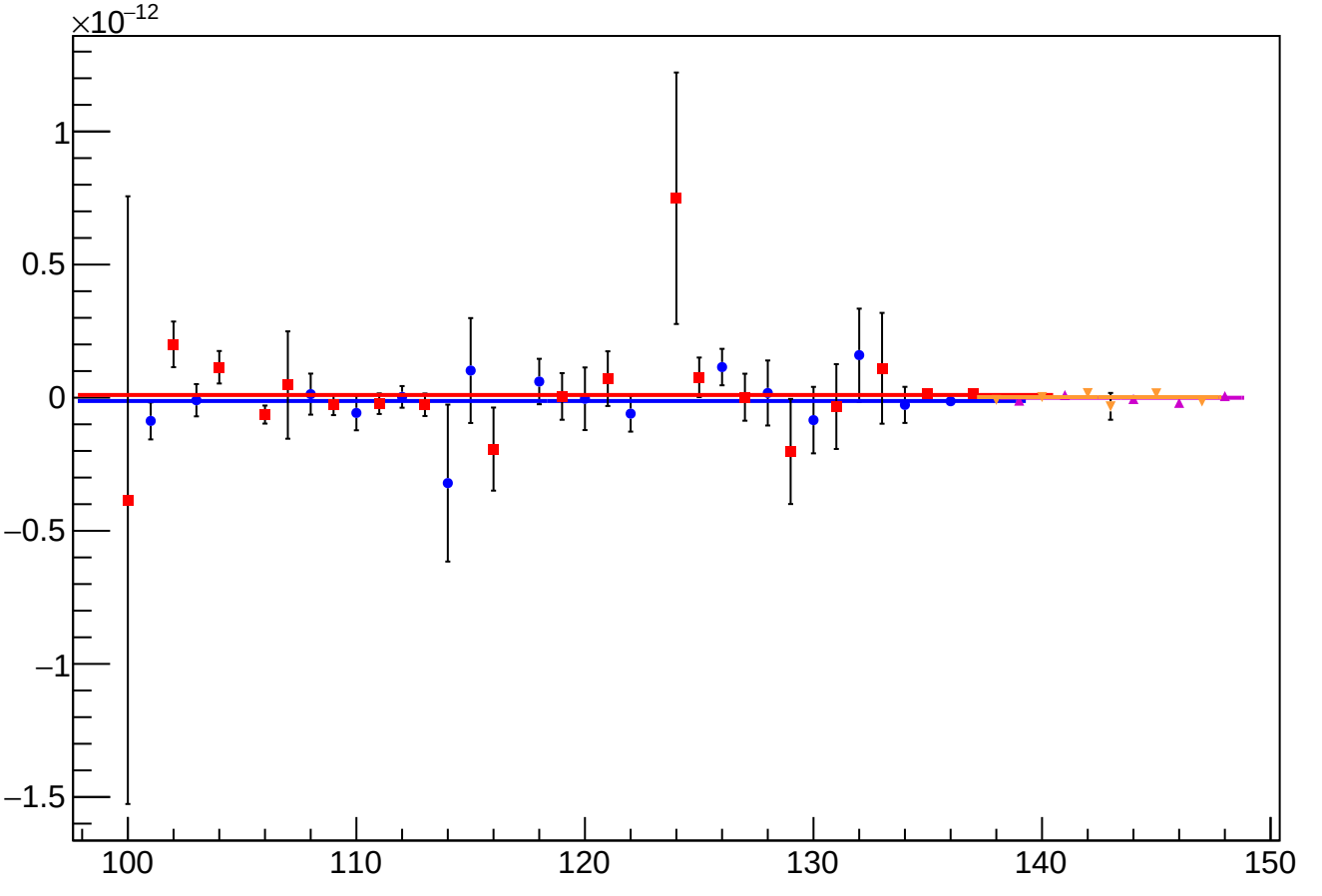
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

+ sign 1455.509+/-0.307 χ^2/NDF: 1030638.3/21

All: 1439.346+/-0.214 χ^2/NDF: 1745272.4/45

- sign 1423.990+/-0.299 χ^2/NDF: 709236.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/5

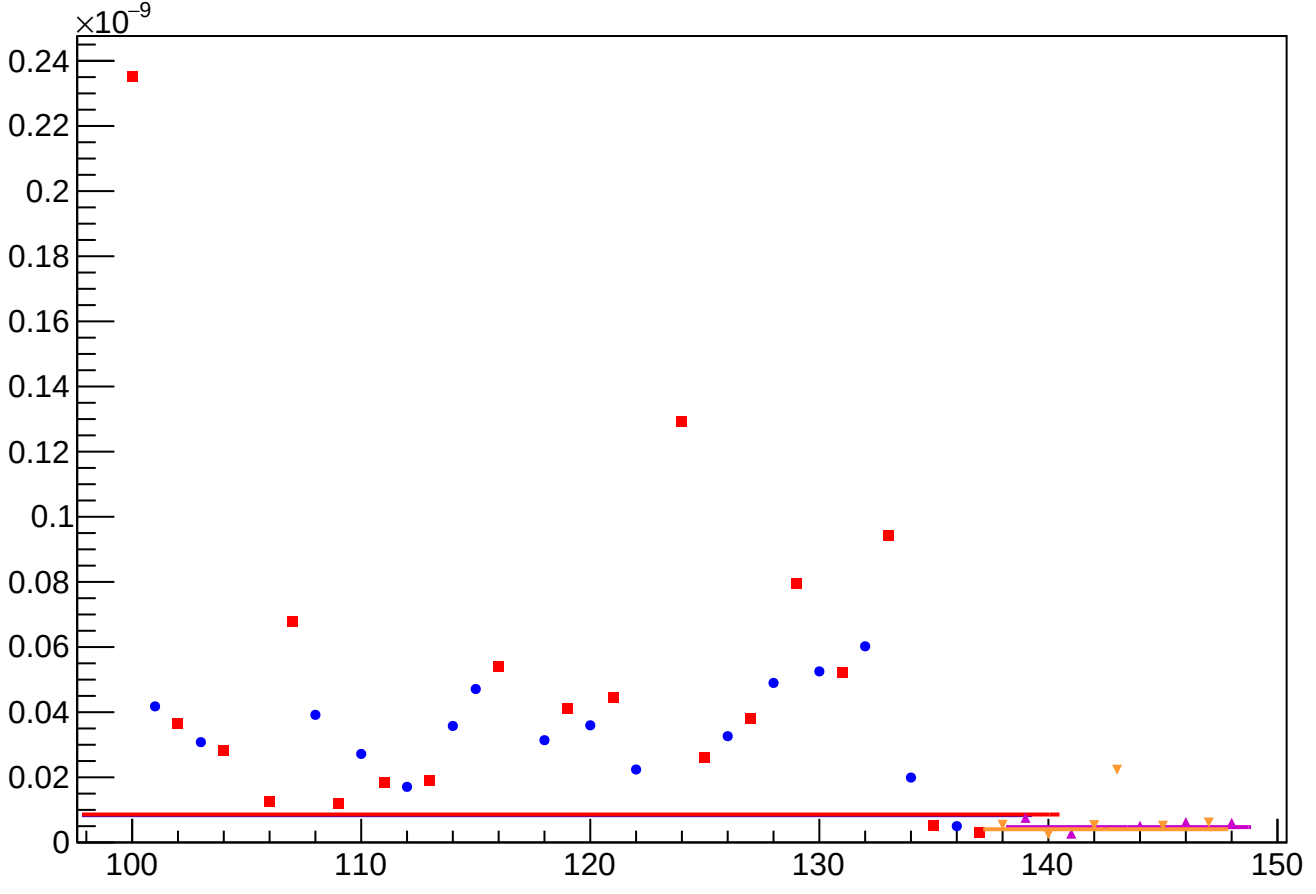
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 53.3/45

- sign 0.000+/-0.000 χ^2/NDF: 31.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

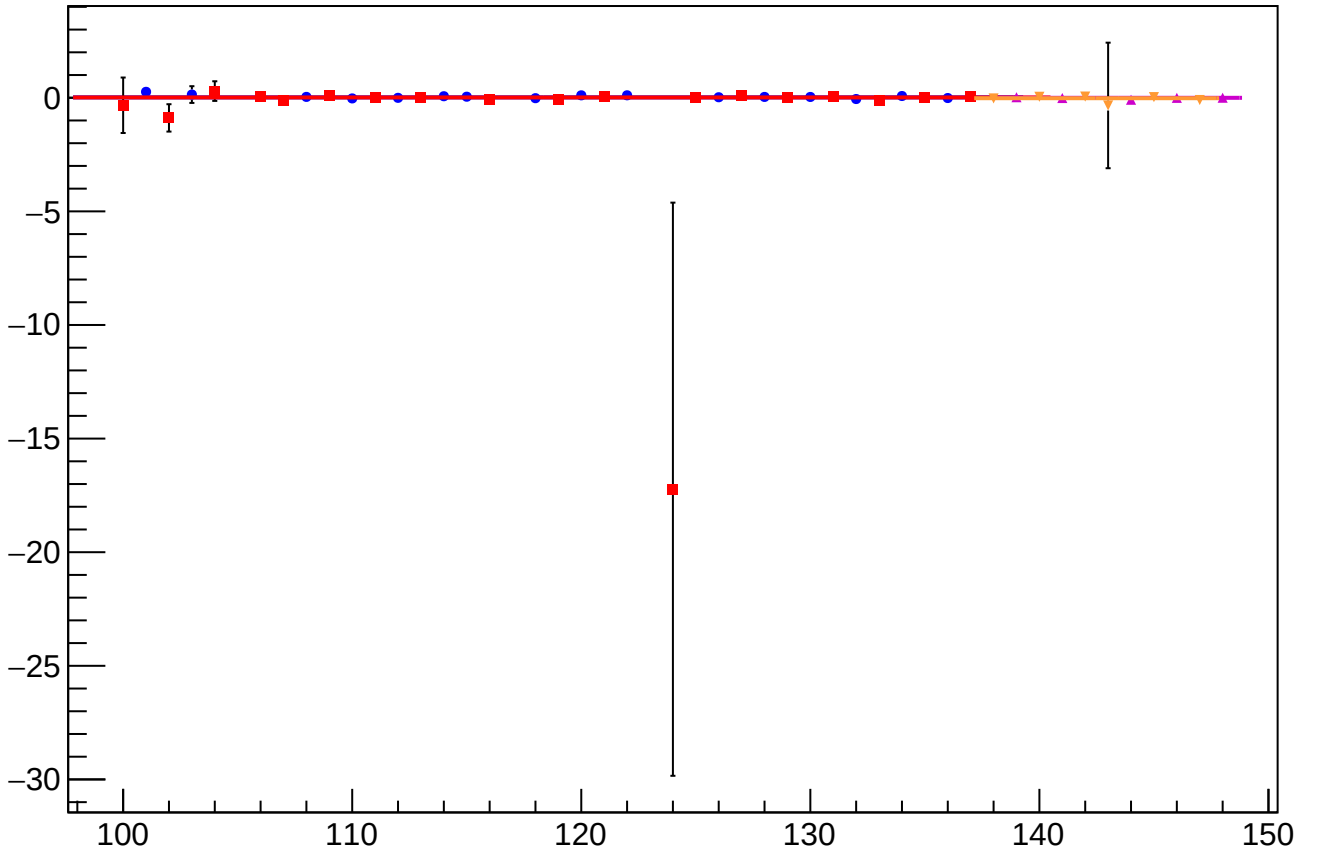
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4258007.8/21

All: 0.000+/-0.000 χ^2/NDF: 8478215.1/45

- sign 0.000+/-0.000 χ^2/NDF: 4189010.6/23



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

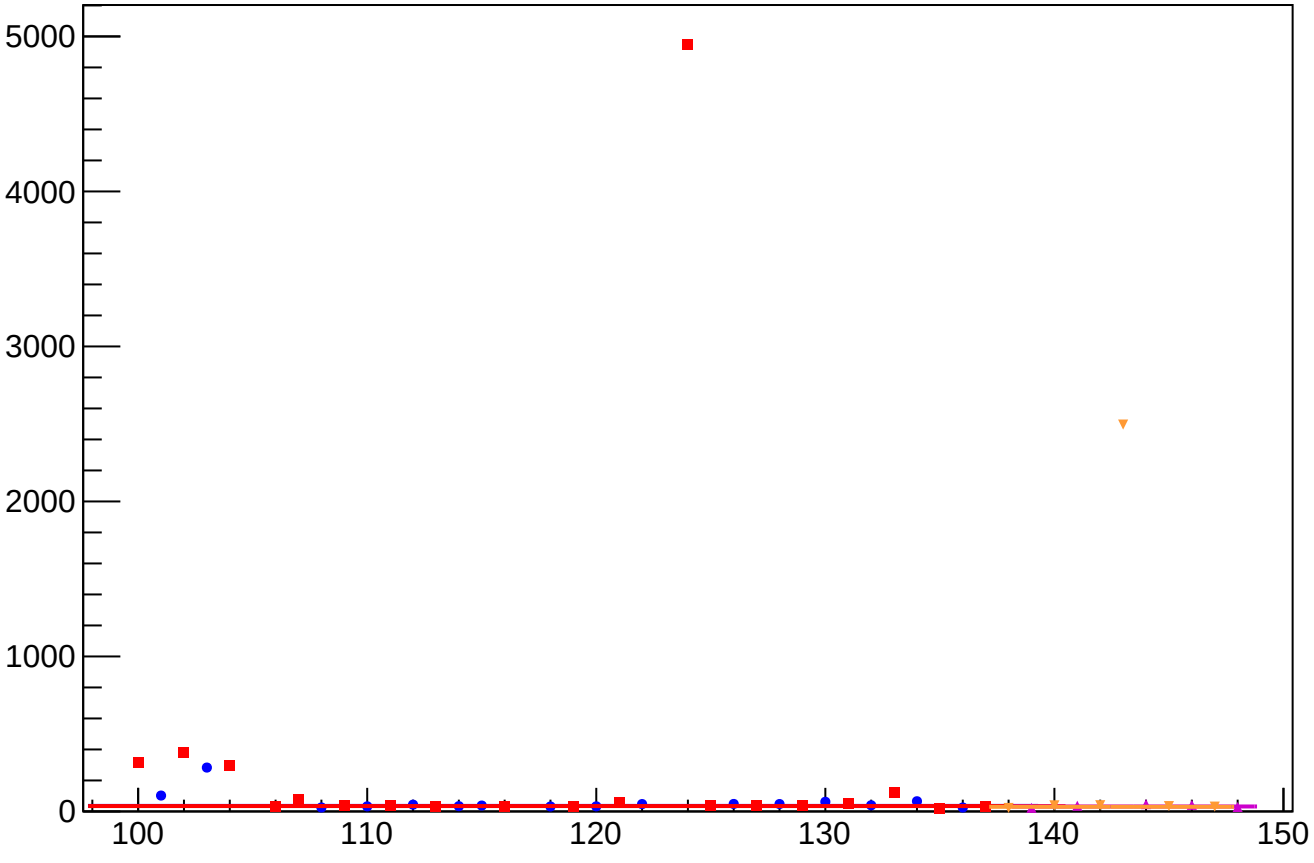
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23

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

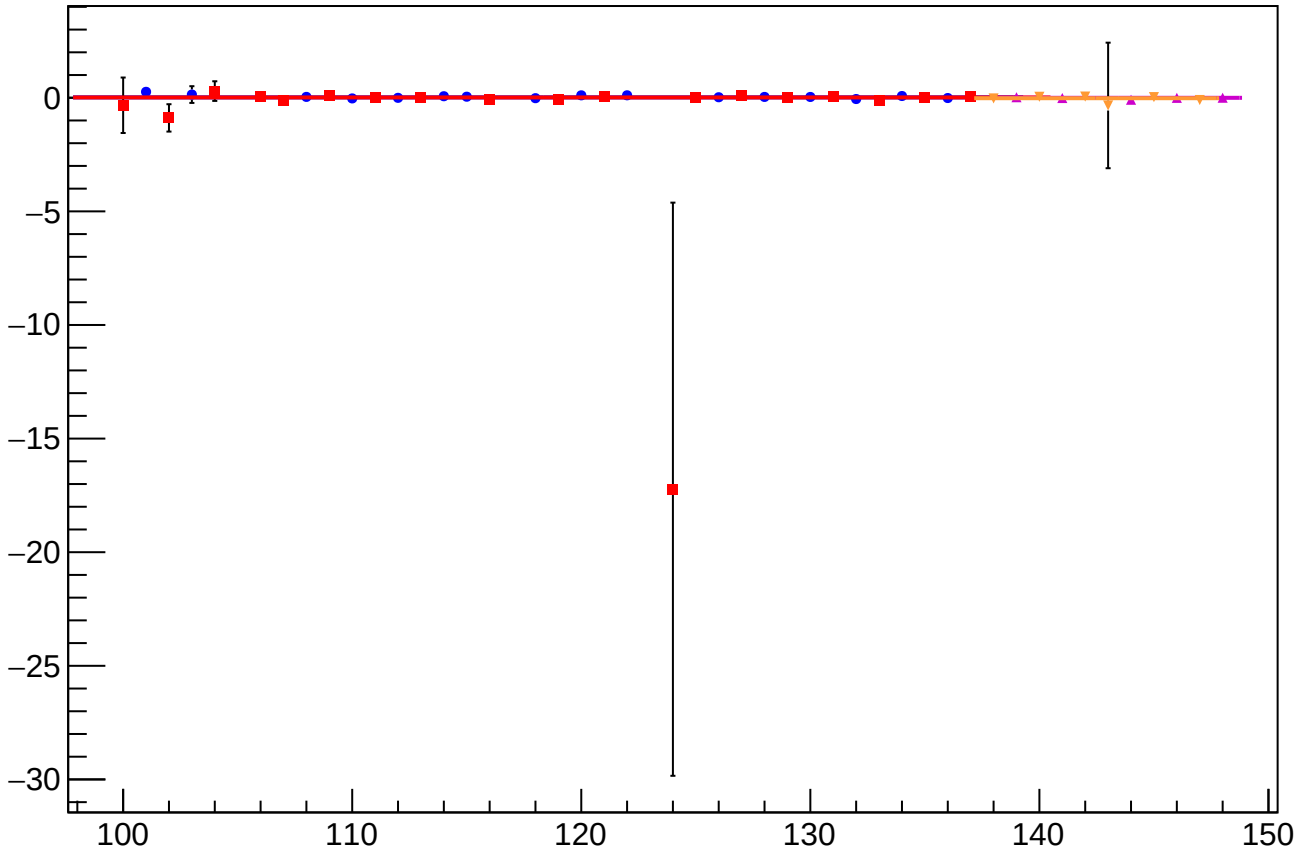
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

- sign 33.598+/-0.008 χ^2/NDF: 3418067.1/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

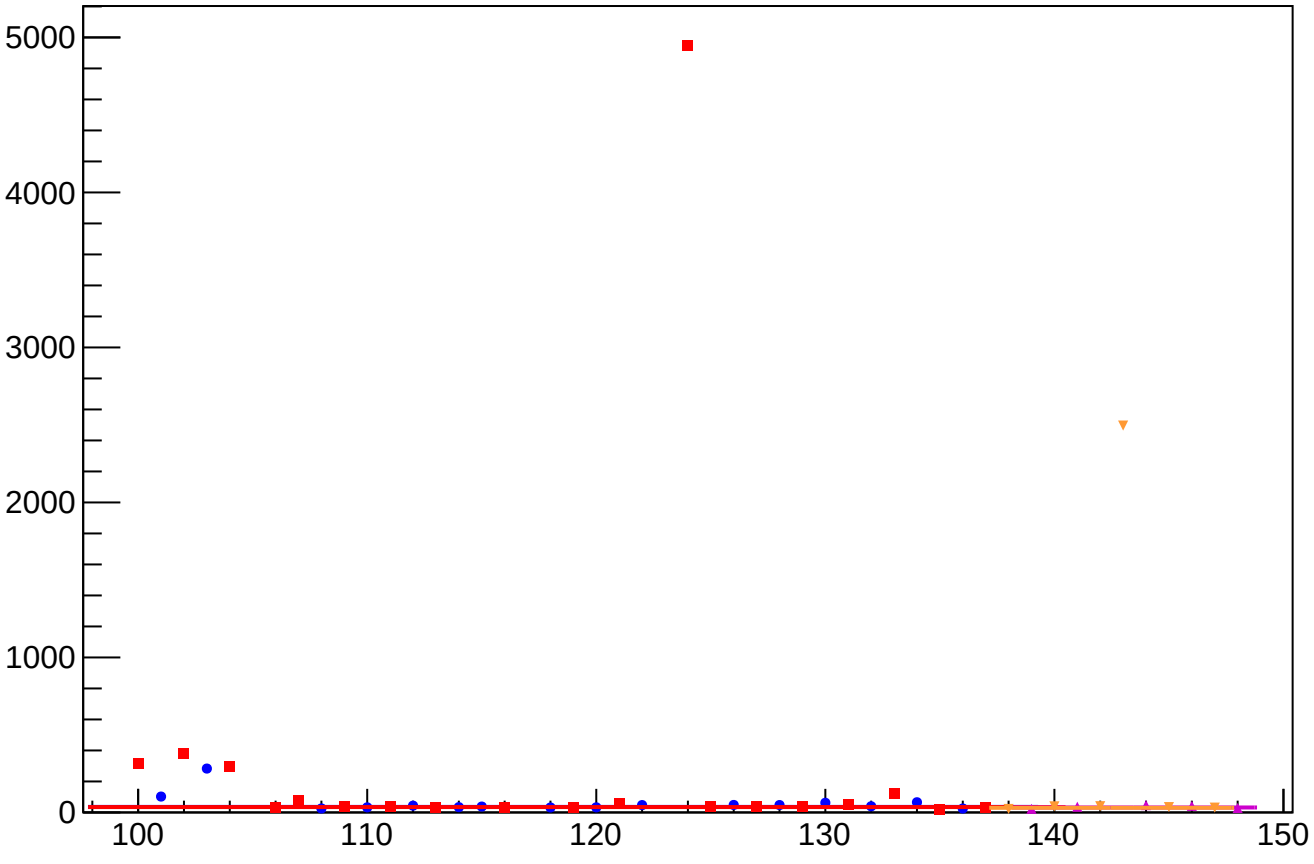
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

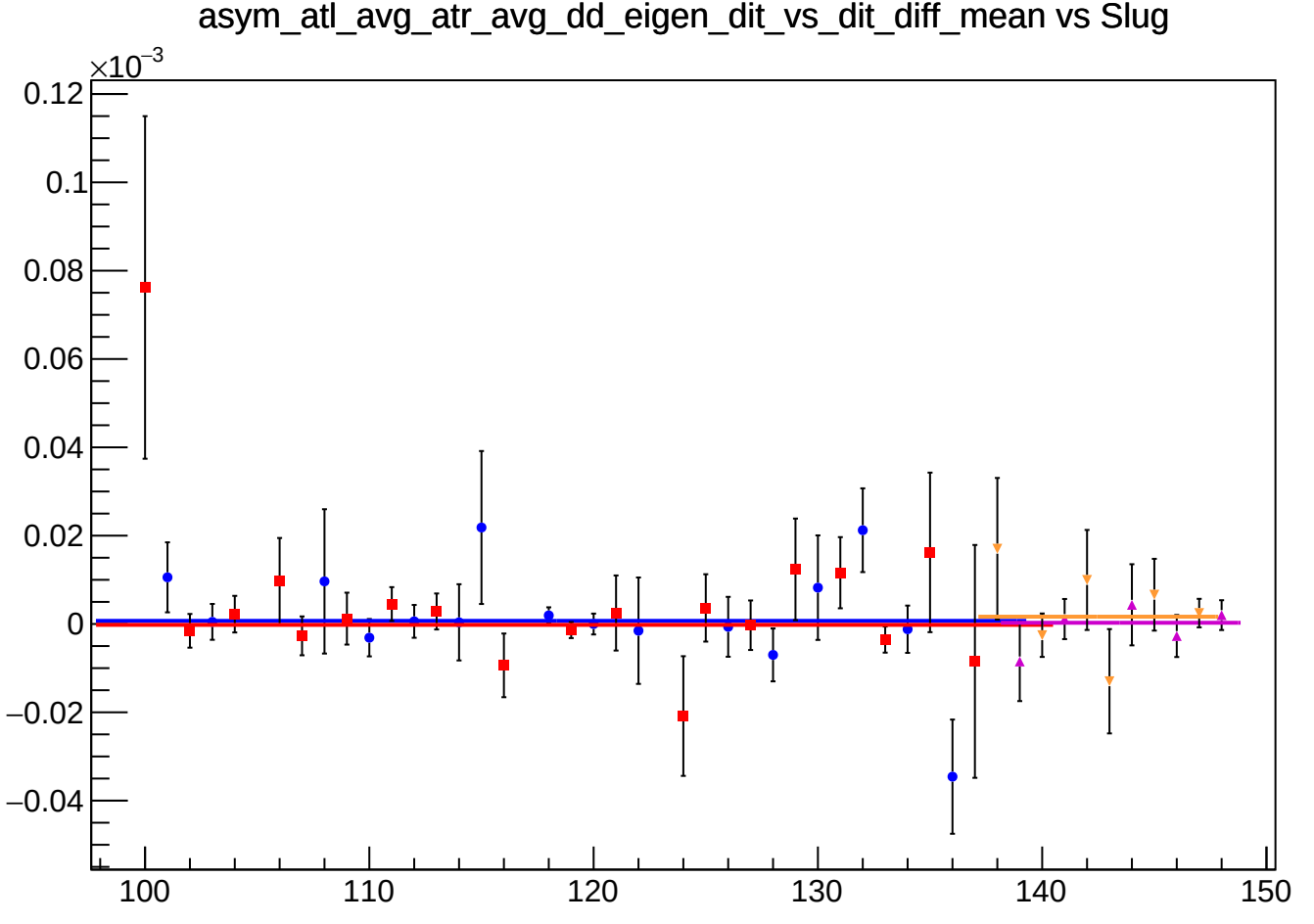
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

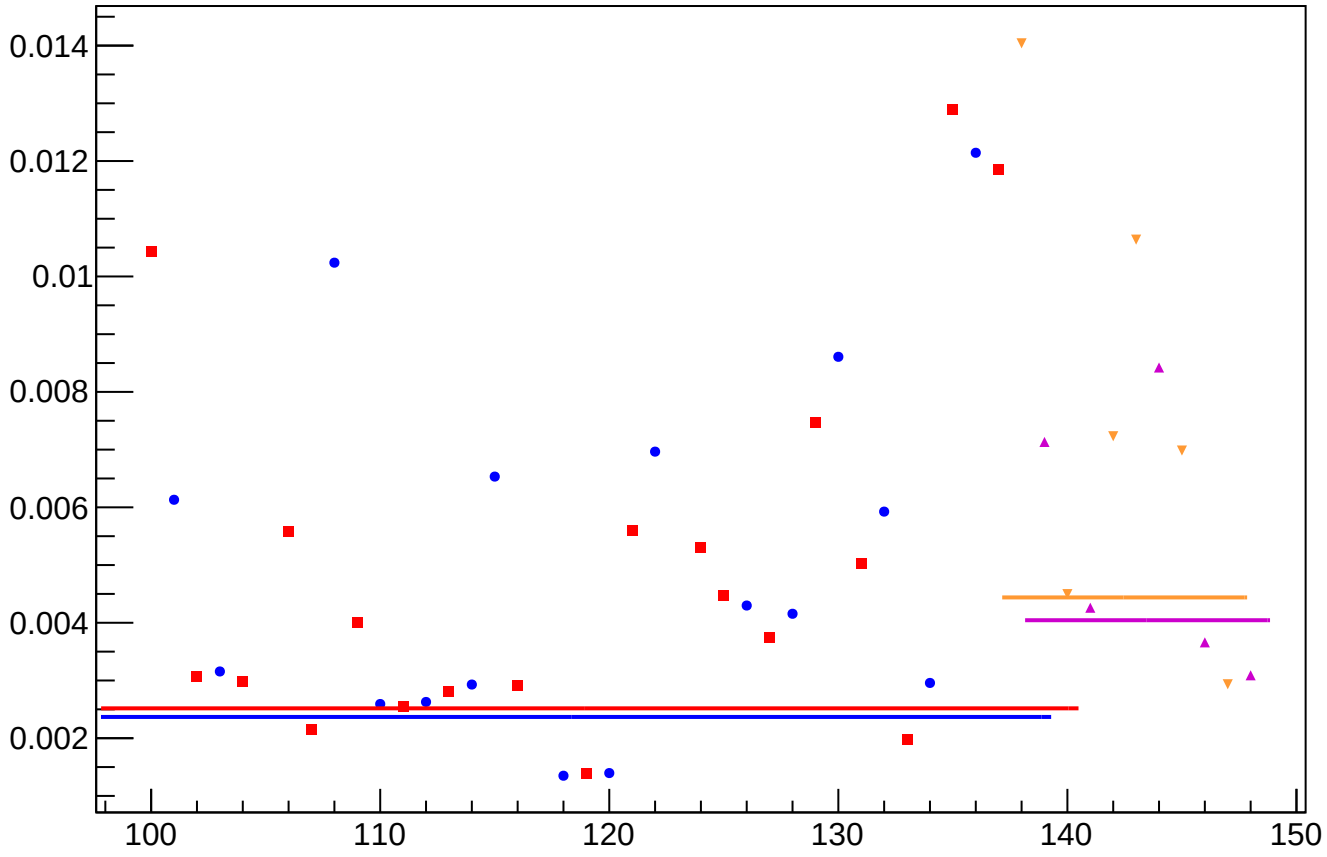
Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

- sign 33.598+/-0.008 χ^2/NDF: 3418067.1/23


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4.2/5
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:1.8/4
+ sign 0.000+/-0.000 χ²/NDF: 23.4/21
All: 0.000+/-0.000 χ²/NDF: 43.8/45
- sign -0.000+/-0.000 χ²/NDF: 20.0/23



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

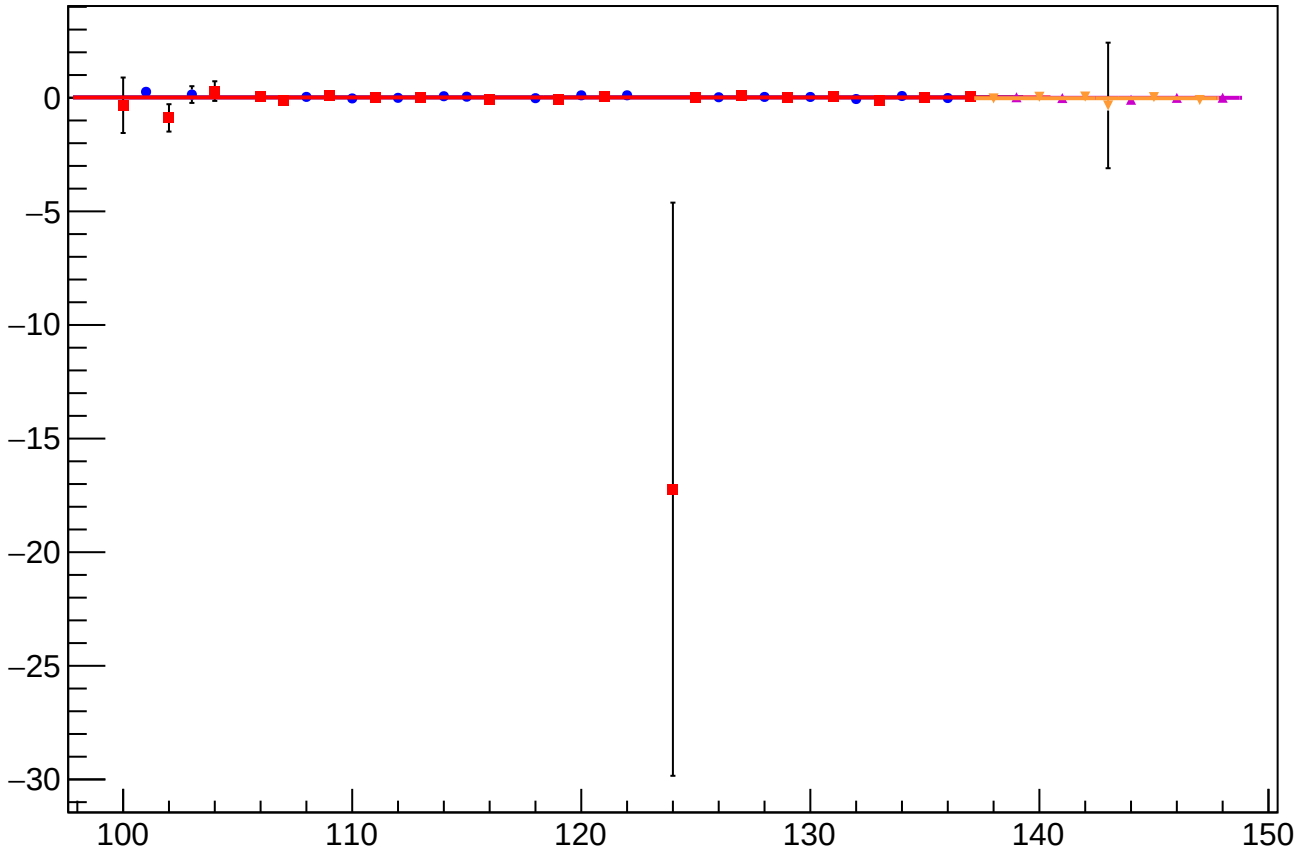
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:868570.8/4

+ sign 0.003+/-0.000 χ^2/NDF: 7957364.6/21

All: 0.003+/-0.000 χ^2/NDF: 13004299.9/45

- sign 0.003+/-0.000 χ^2/NDF: 5040717.7/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

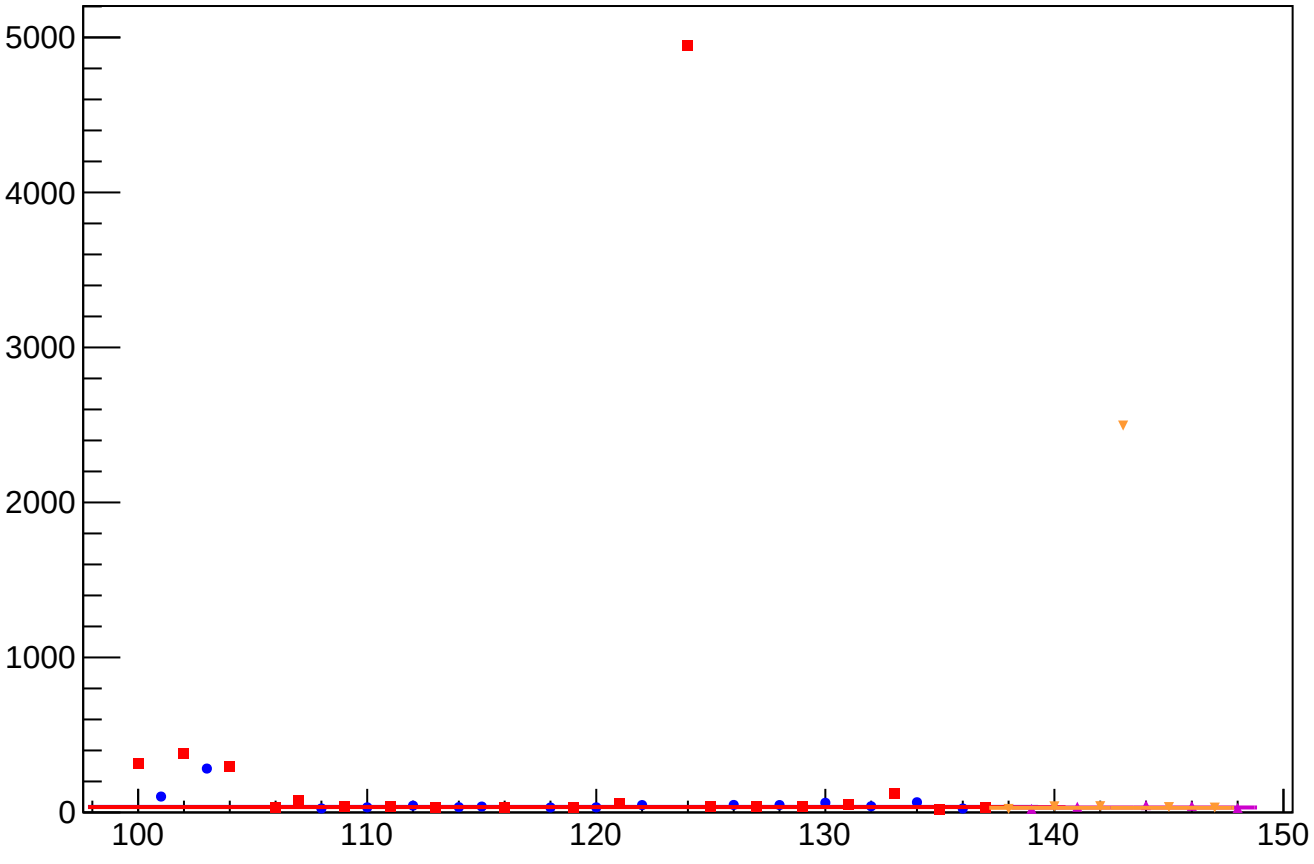
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896888.6/5

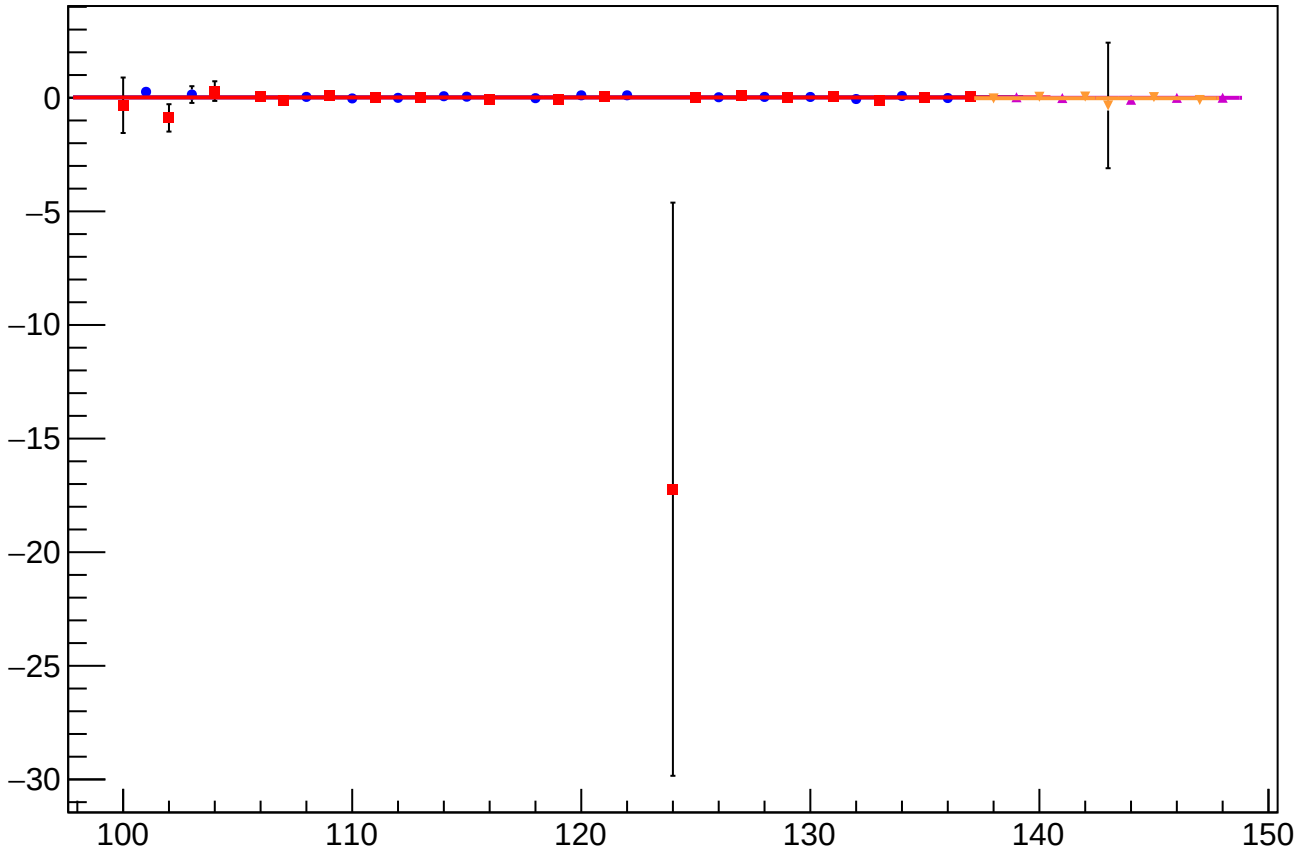
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

- sign 33.597+/-0.008 χ^2/NDF: 3418285.1/23



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

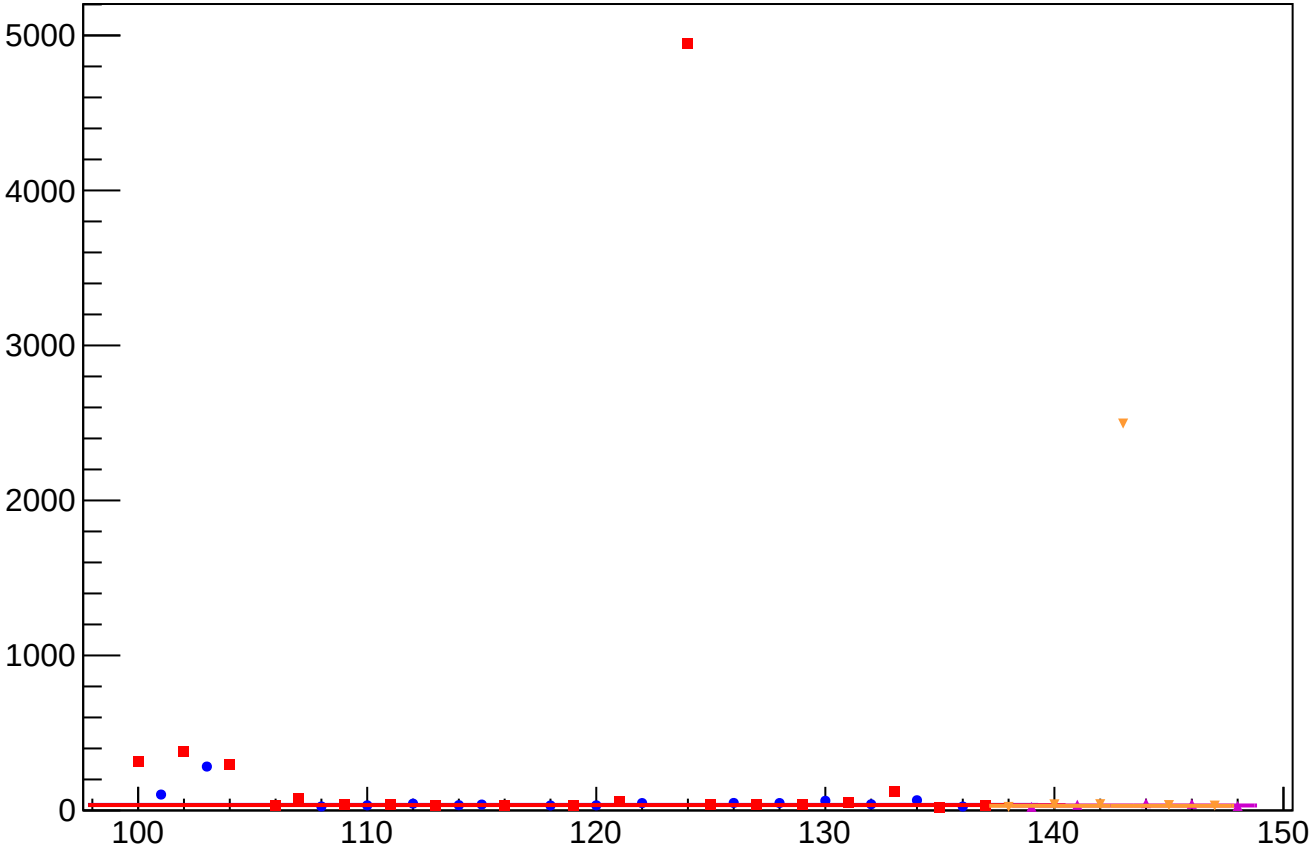
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23

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

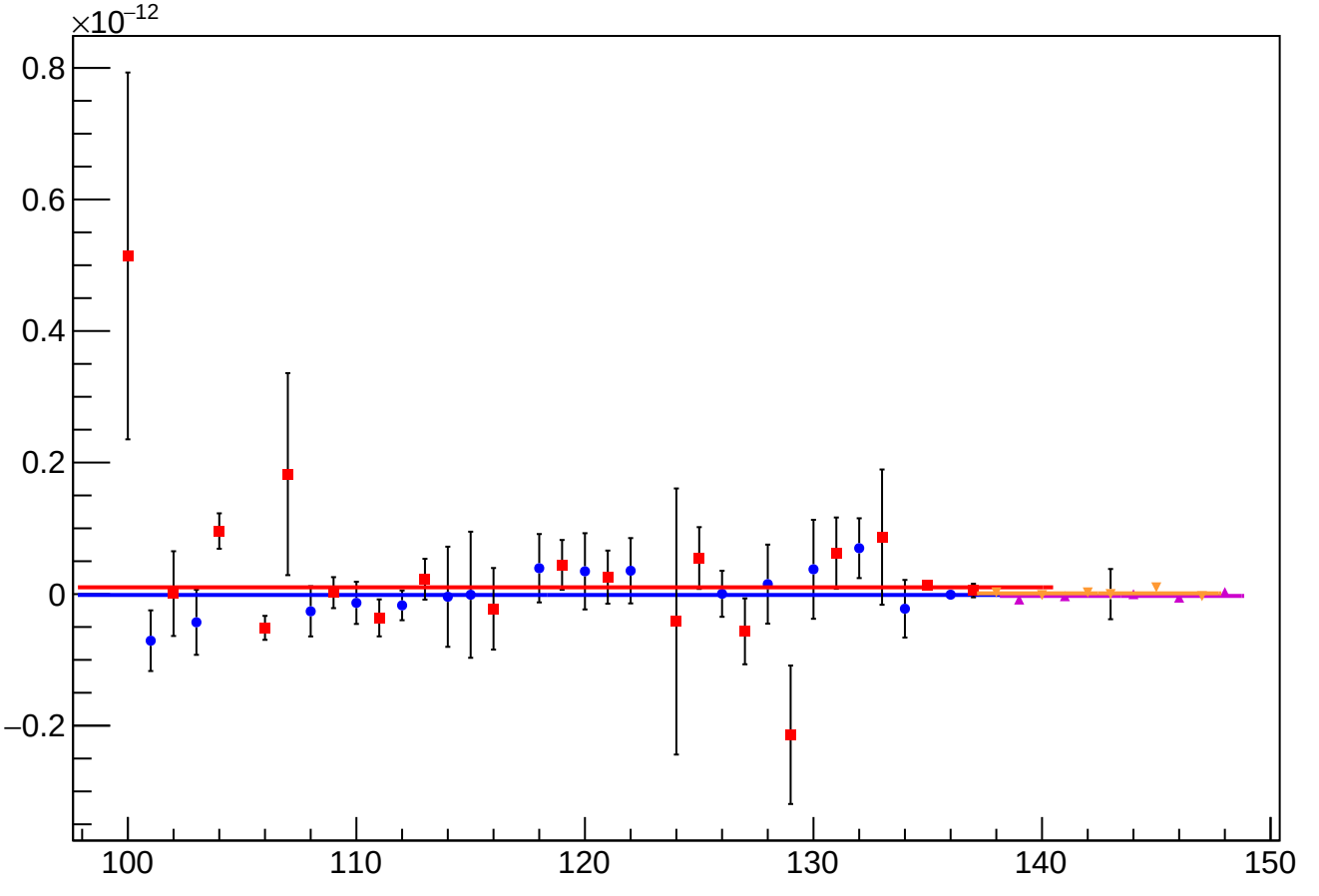
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

- sign 33.597+/-0.008 χ^2/NDF: 3418285.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

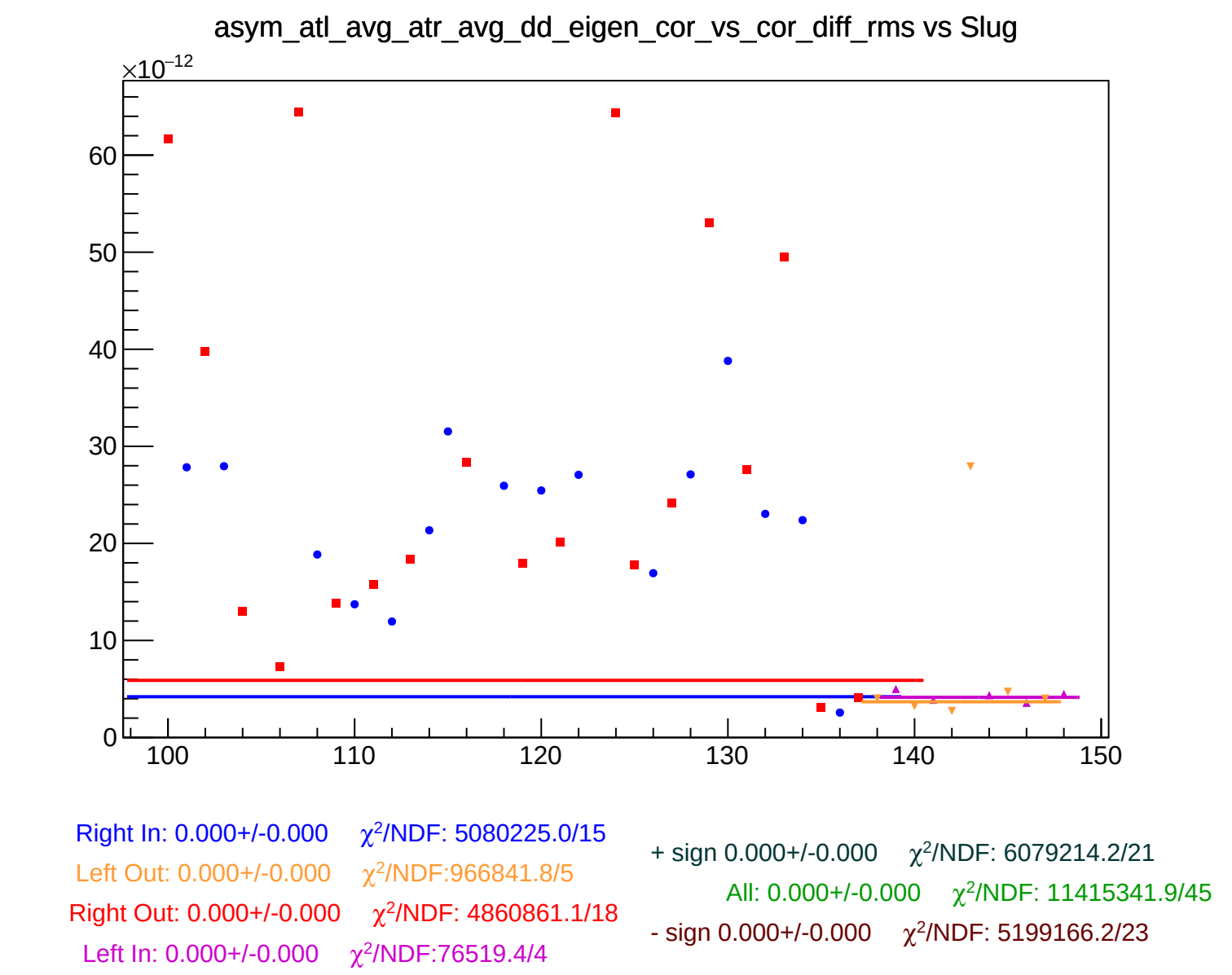
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

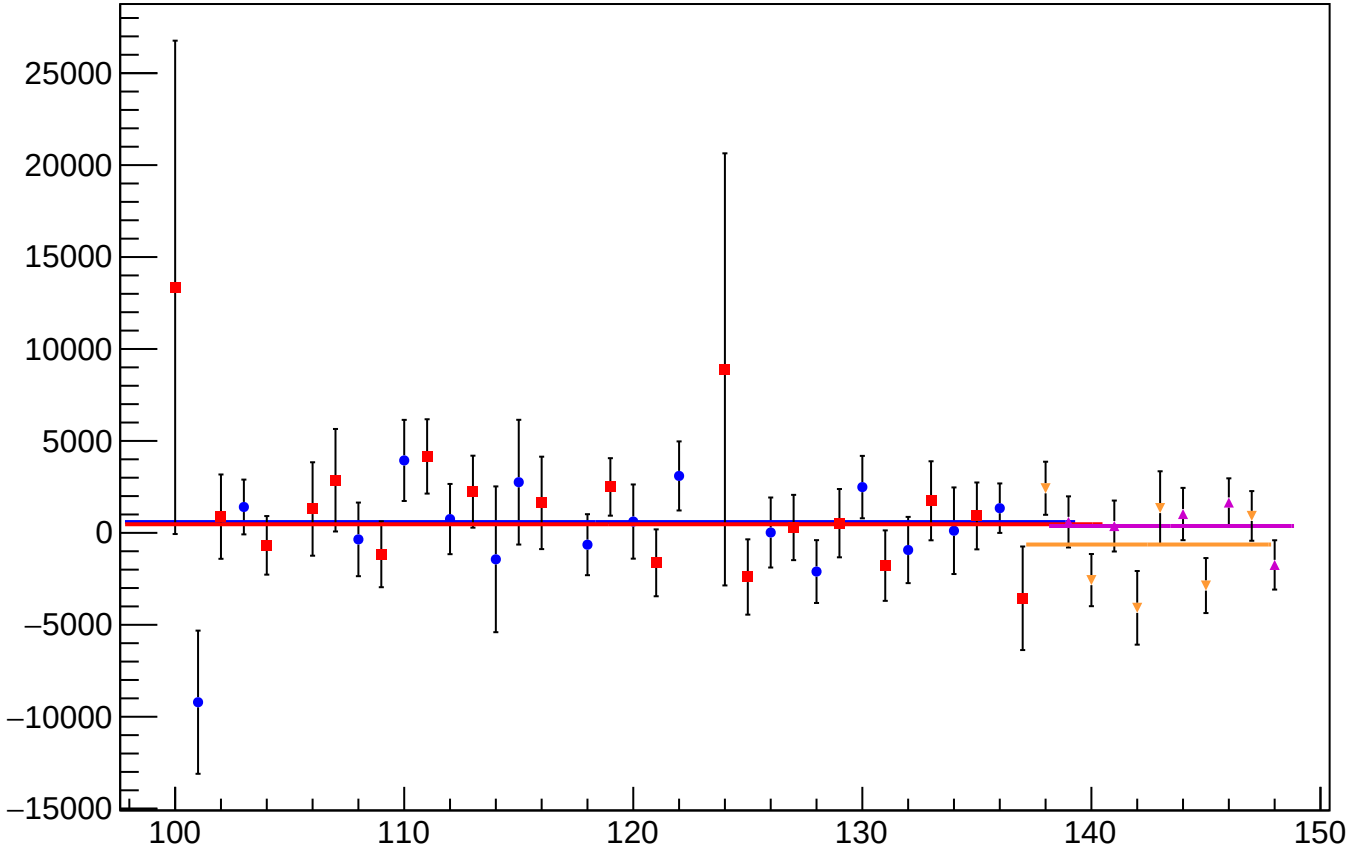
+ sign 0.000+/-0.000 χ^2/NDF: 12.2/21

All: 0.000+/-0.000 χ^2/NDF: 61.6/45

- sign 0.000+/-0.000 χ^2/NDF: 49.4/23


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:966841.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:76519.4/4
+ sign 0.000+/-0.000 χ²/NDF: 6079214.2/21
All: 0.000+/-0.000 χ²/NDF: 11415341.9/45
- sign 0.000+/-0.000 χ²/NDF: 5199166.2/23

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

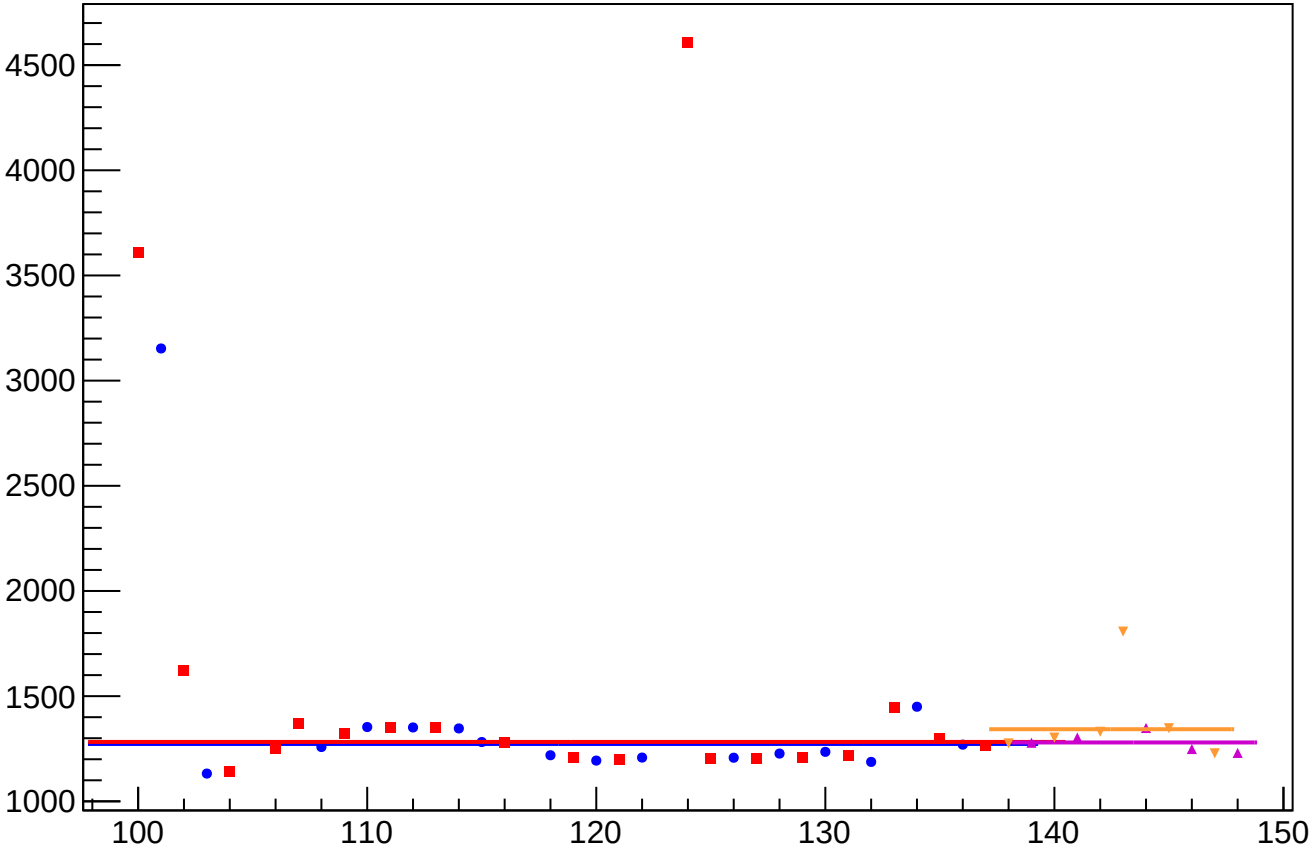
Left In: 373.535+/-612.184 χ^2/NDF:3.7/4

+ sign 141.178+/-384.387 χ^2/NDF: 33.3/21

All: 289.343+/-269.510 χ^2/NDF: 54.1/45

- sign 432.614+/-377.984 χ^2/NDF: 20.5/23

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

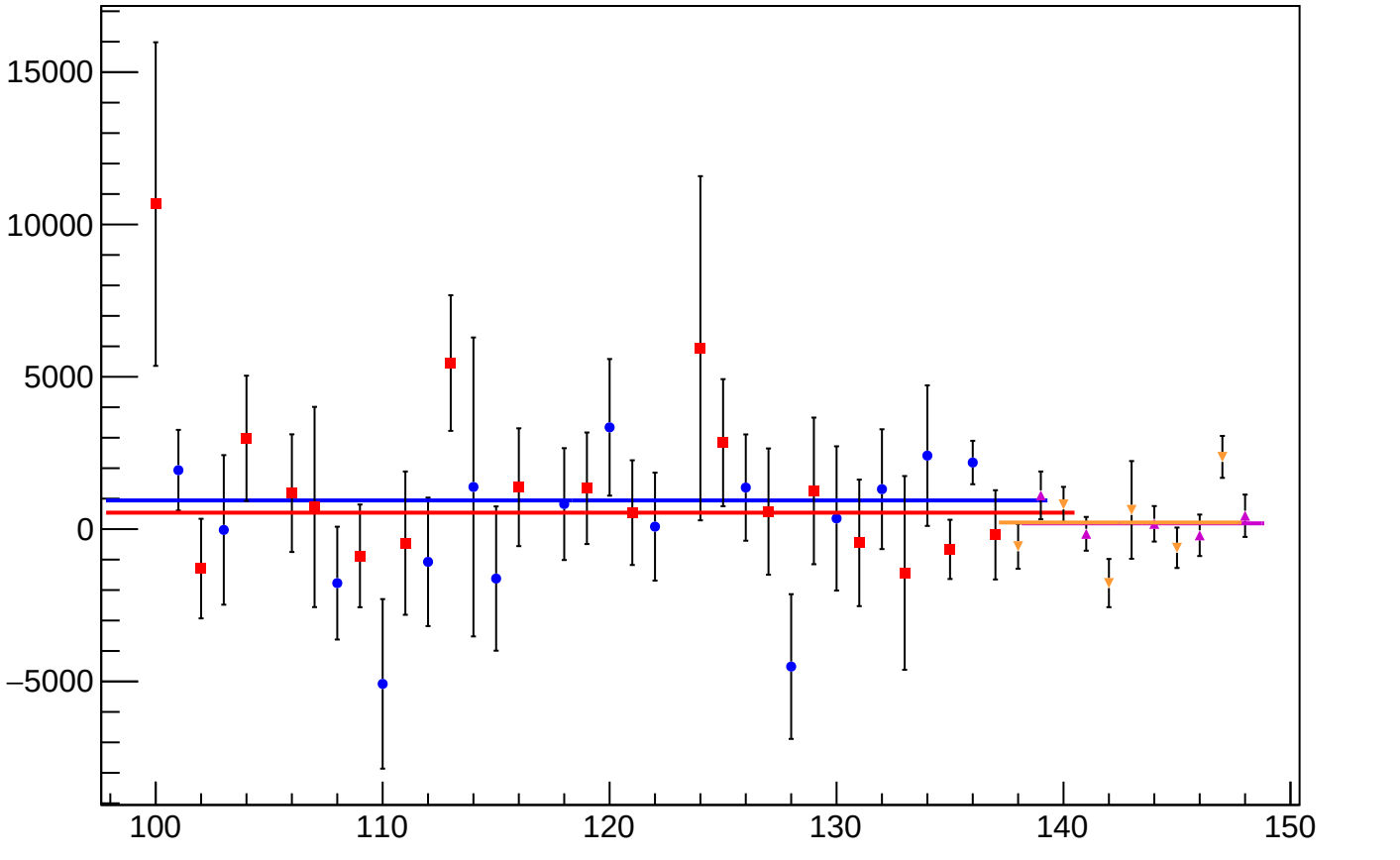
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.367+/-0.272 χ^2/NDF: 662783.7/21

All: 1289.737+/-0.191 χ^2/NDF: 995997.9/45

- sign 1281.394+/-0.267 χ^2/NDF: 331231.7/23



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

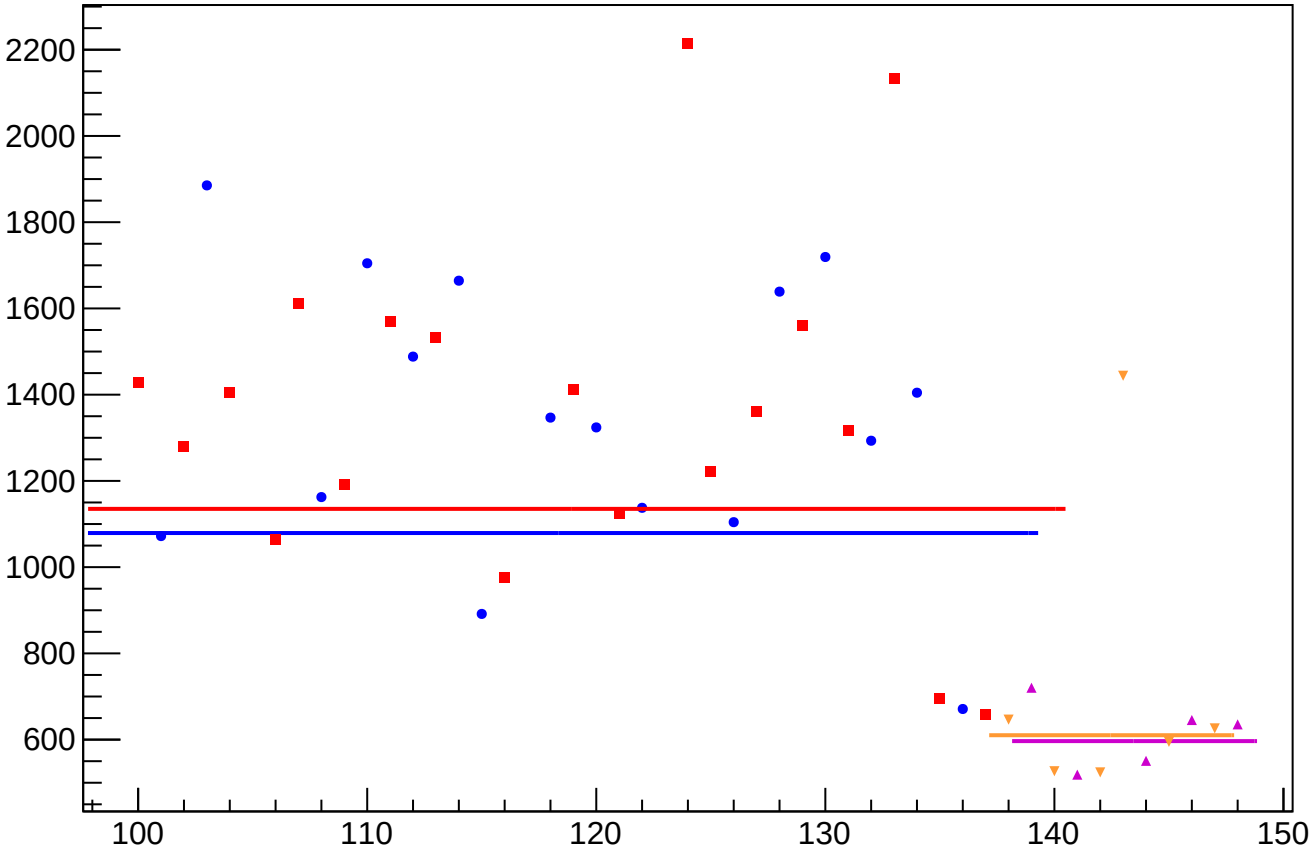
Left In: 189.835+/-288.021 χ^2/NDF:2.2/4

+ sign 456.287+/-244.546 χ^2/NDF: 41.7/21

All: 374.500+/-171.641 χ^2/NDF: 61.8/45

- sign 295.090+/-240.967 χ^2/NDF: 19.8/23

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

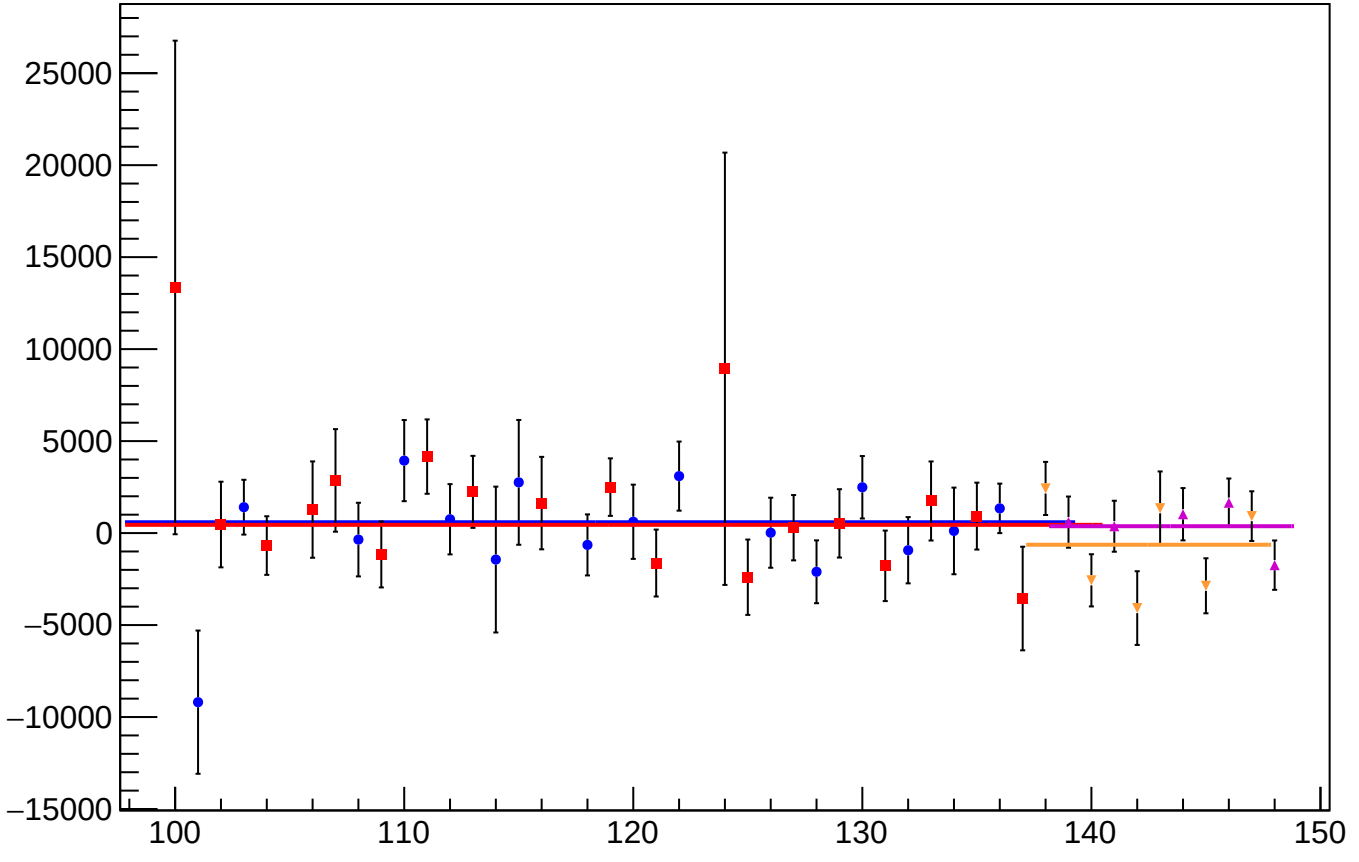
Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

\+ sign 764.857+/-0.173 χ^2/NDF: 3720668.7/21

All: 761.464+/-0.121 χ^2/NDF: 7231140.9/45

\- sign 758.169+/-0.170 χ^2/NDF: 3509713.1/23

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

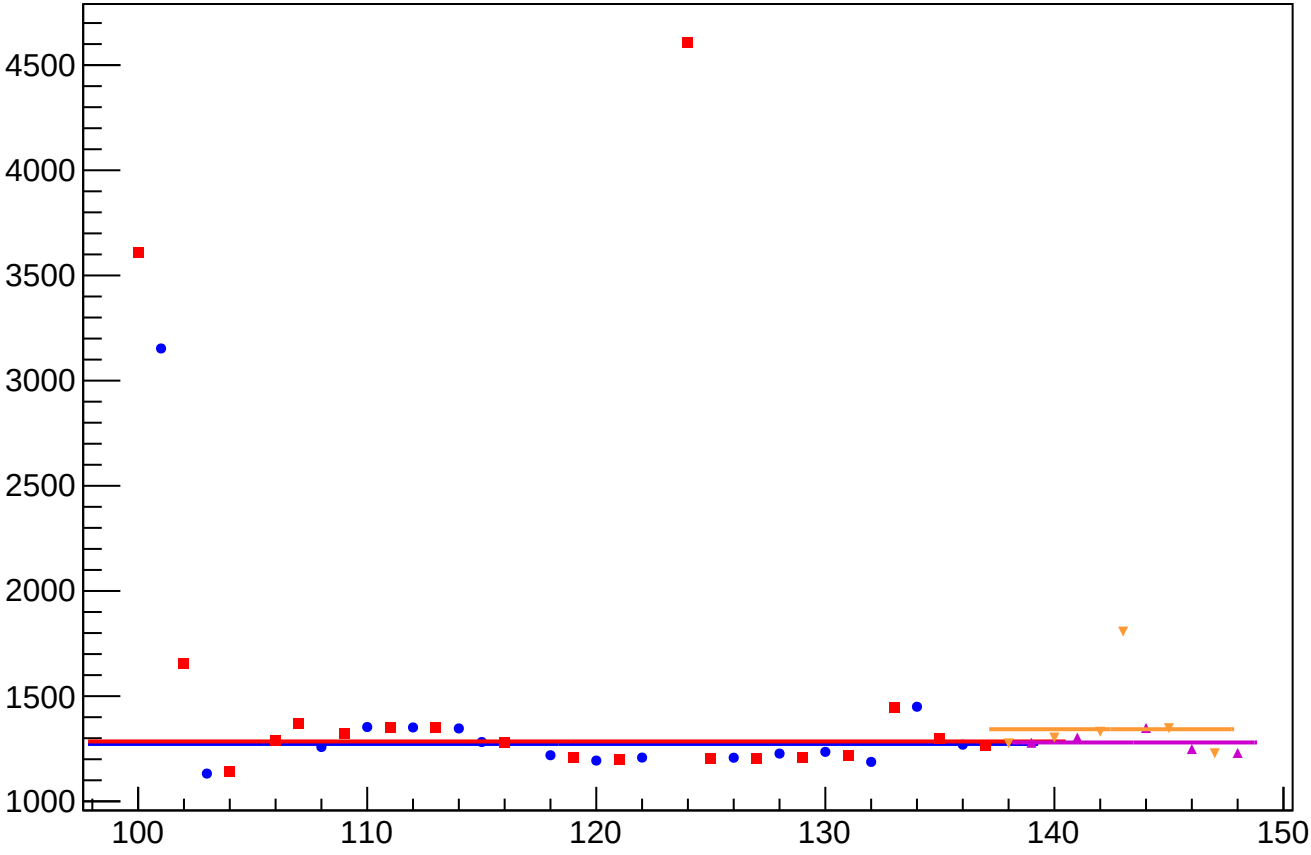
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 282.735+/-269.654 χ^2/NDF: 54.0/45

- sign 419.758+/-378.381 χ^2/NDF: 20.5/23

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

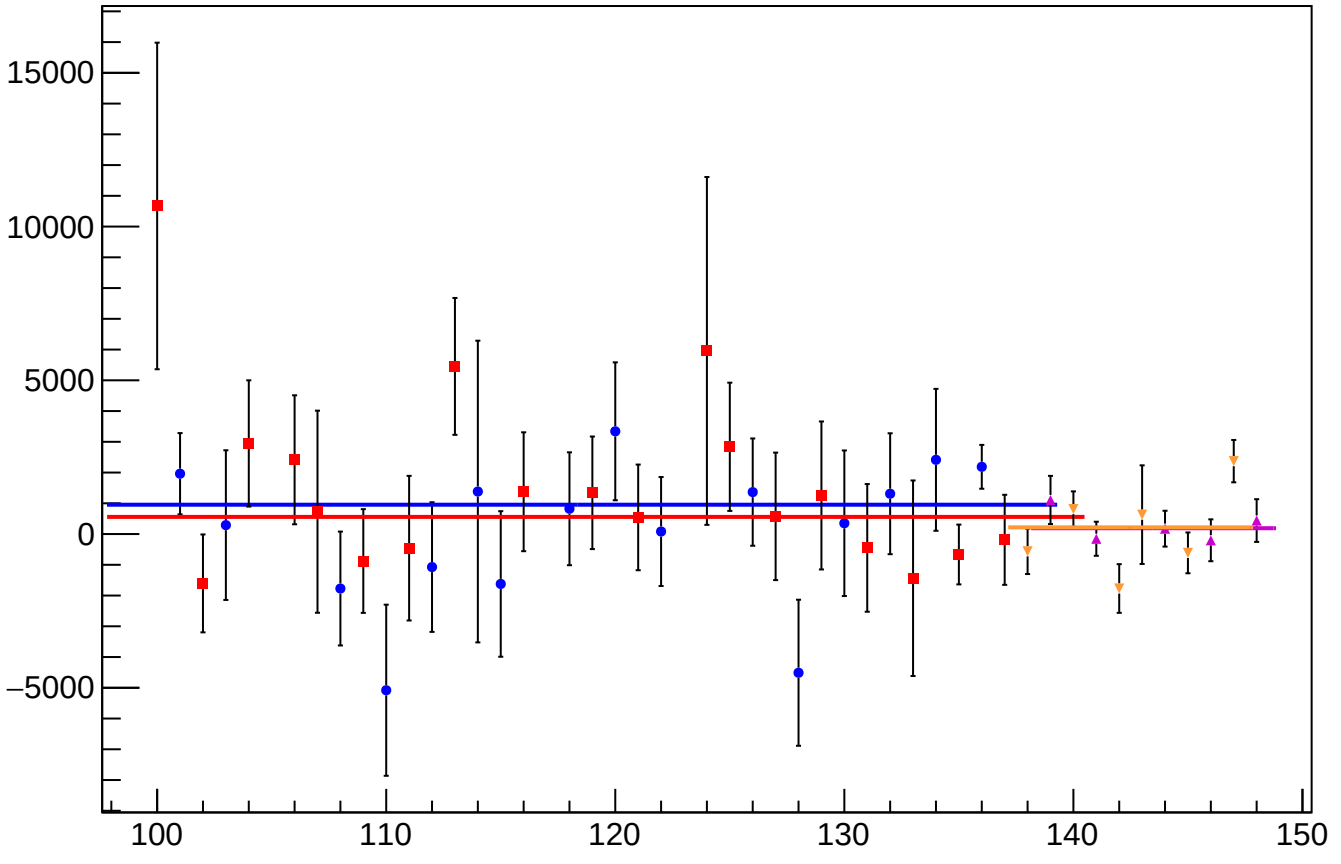
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23



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

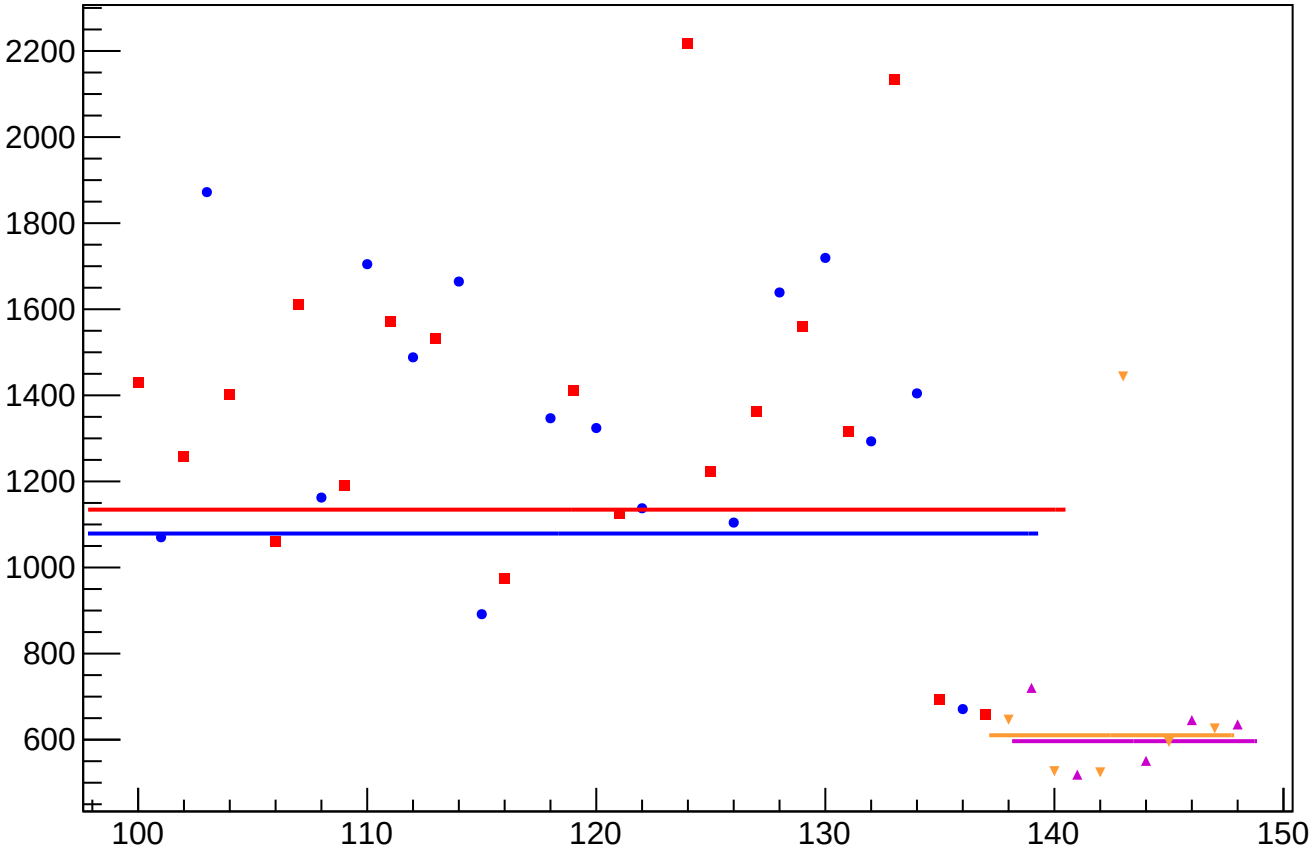
Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 379.128+/-171.680 χ^2/NDF: 63.1/45

- sign 299.985+/-241.105 χ^2/NDF: 21.1/23

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

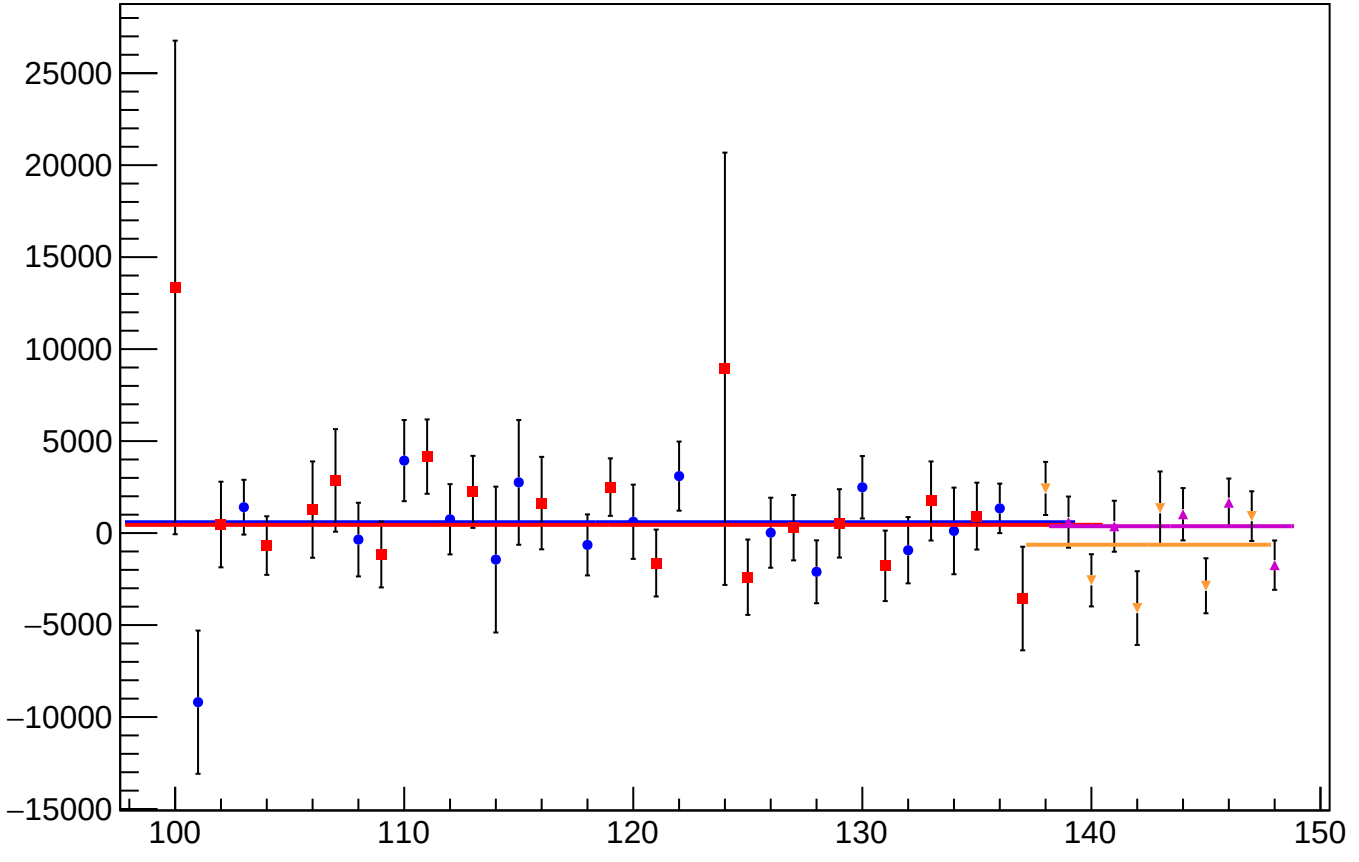
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45

\- sign 757.503+/-0.170 χ^2/NDF: 3494245.1/23

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

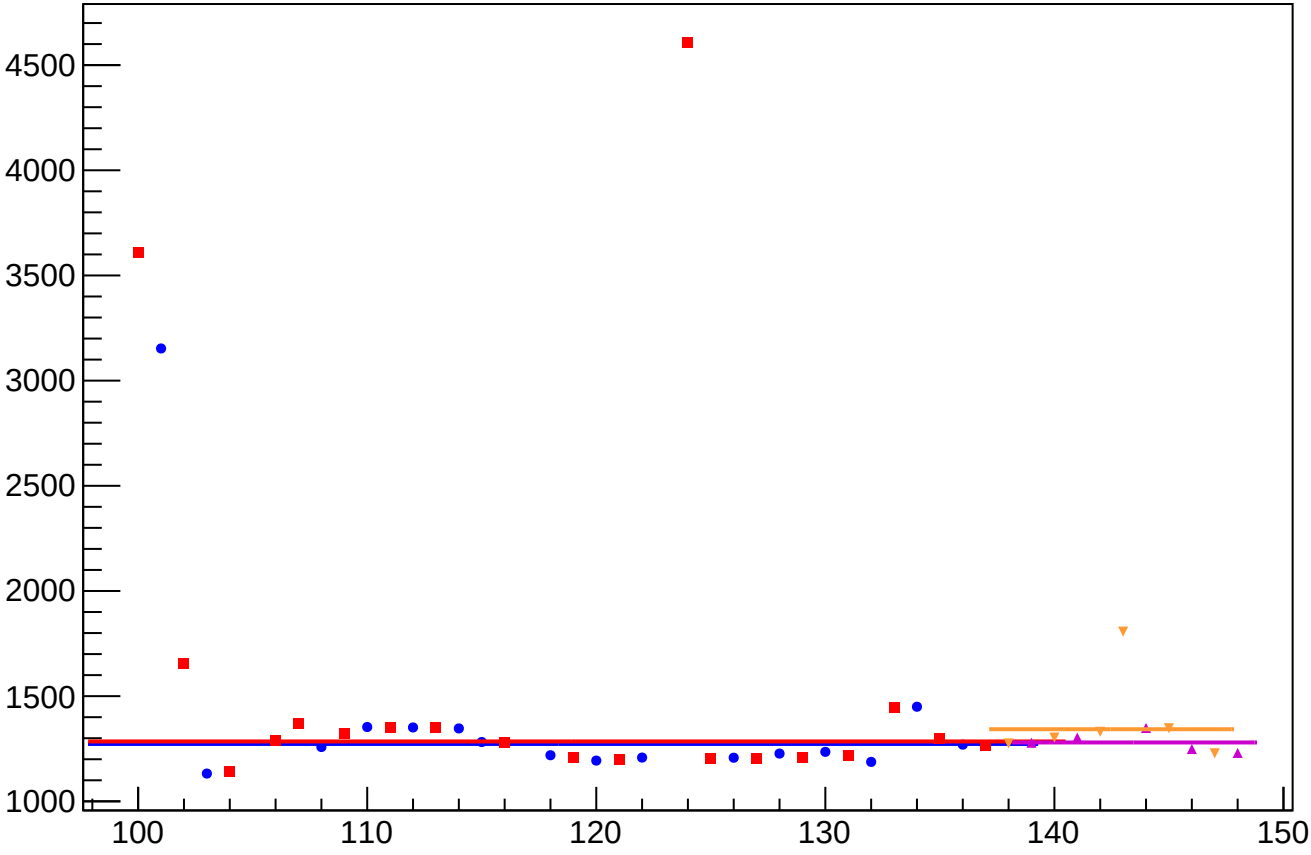
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 282.735+/-269.654 χ^2/NDF: 54.0/45

- sign 419.758+/-378.381 χ^2/NDF: 20.5/23

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

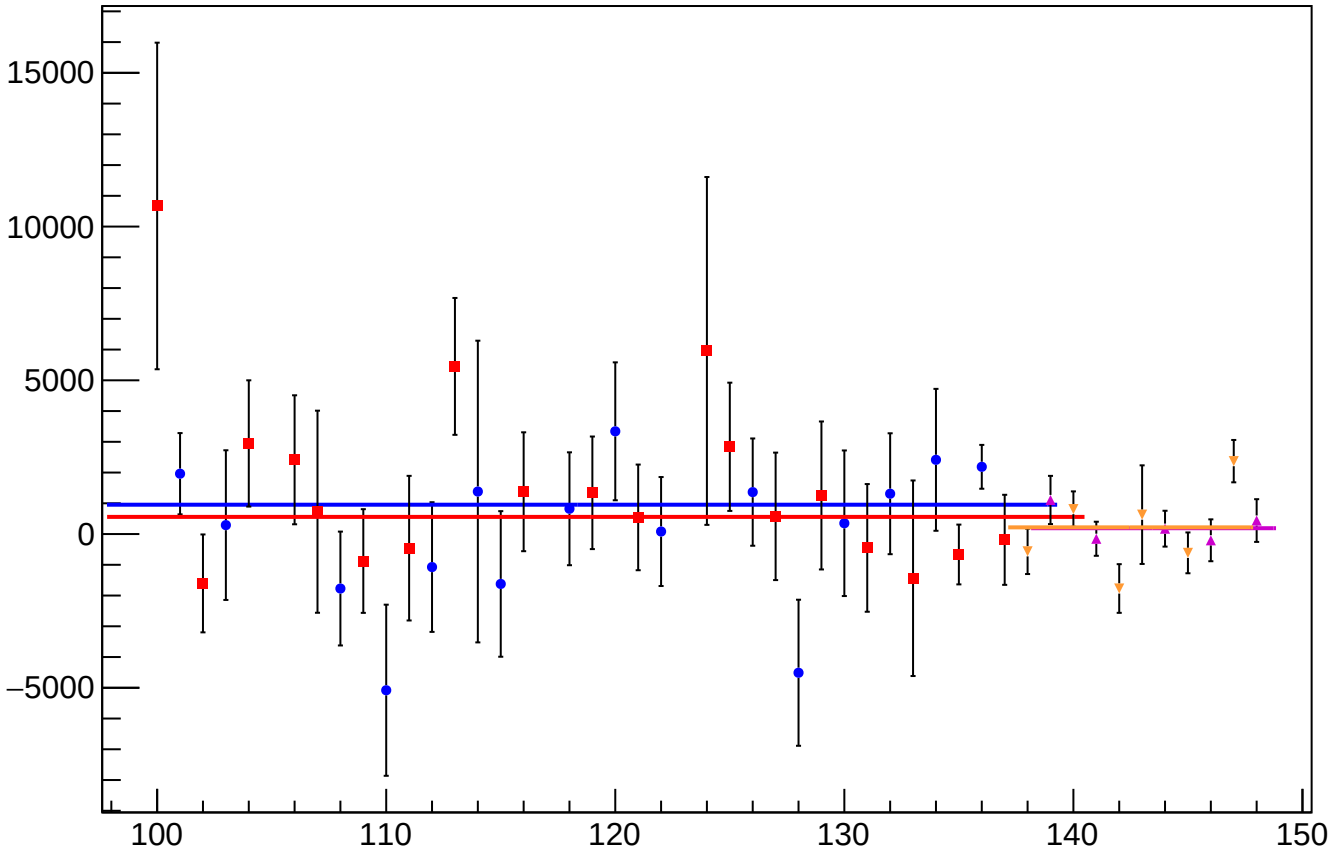
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

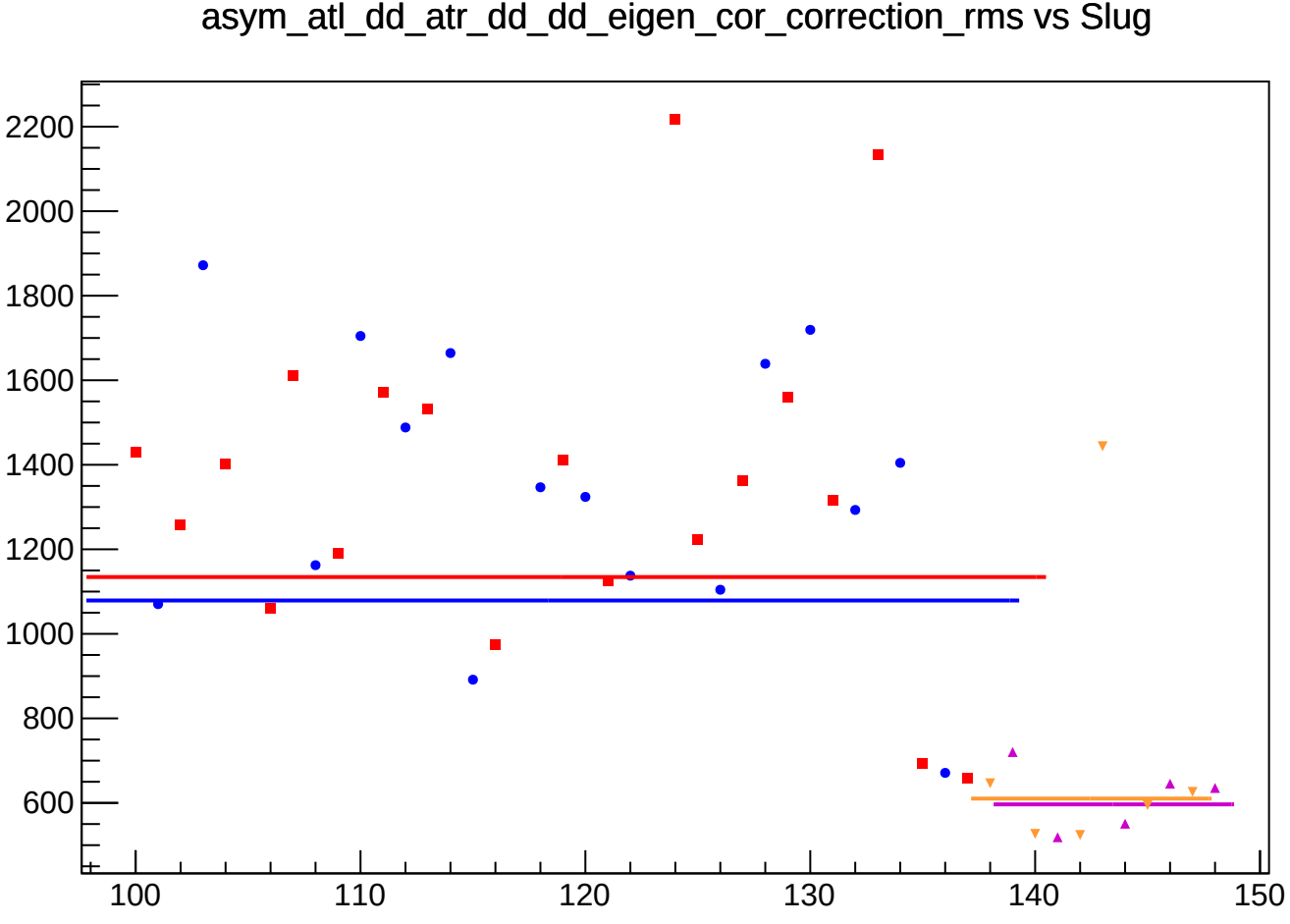
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 379.128+/-171.680 χ^2/NDF: 63.1/45

- sign 299.985+/-241.105 χ^2/NDF: 21.1/23



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

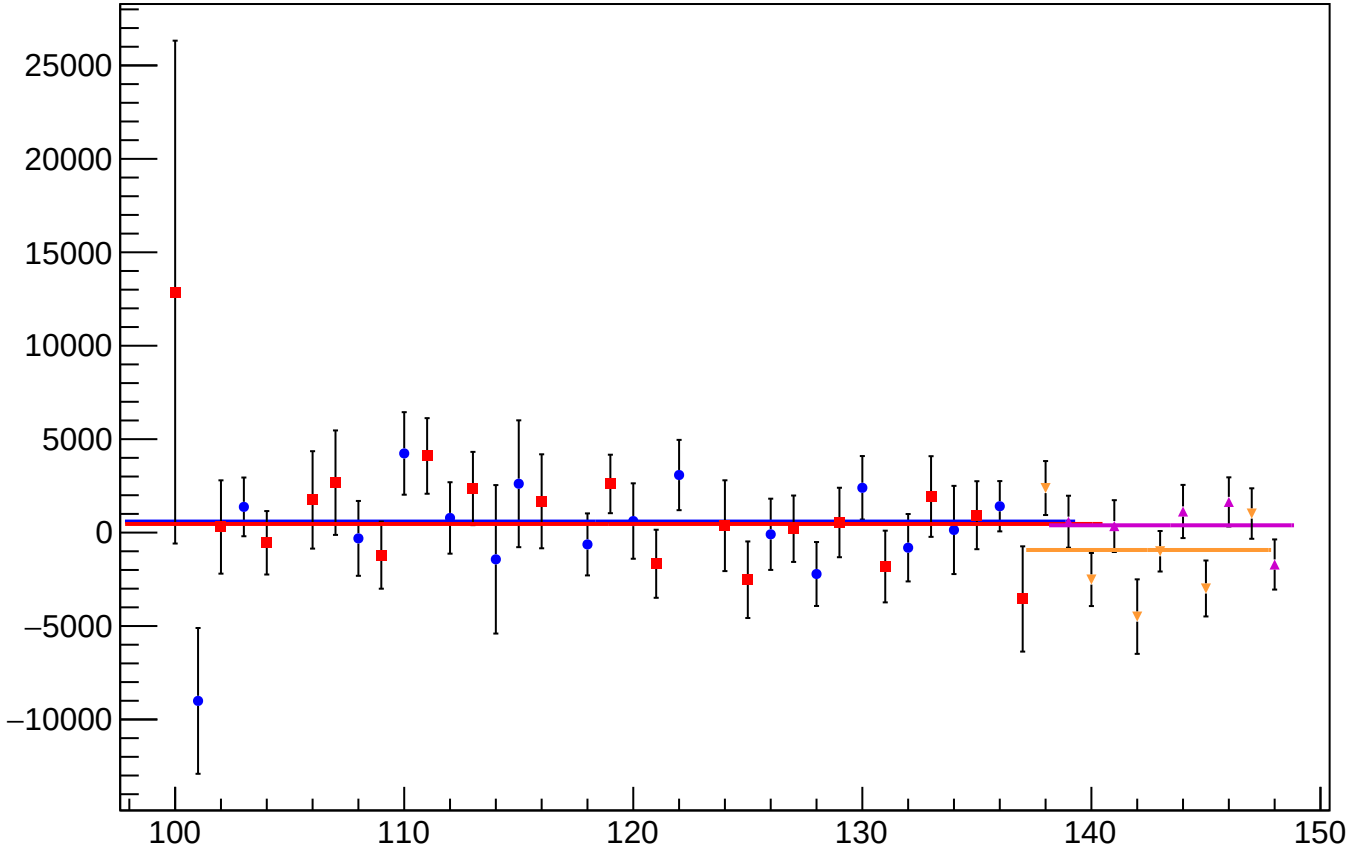
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45

\- sign 757.503+/-0.170 χ^2/NDF: 3494245.1/23

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

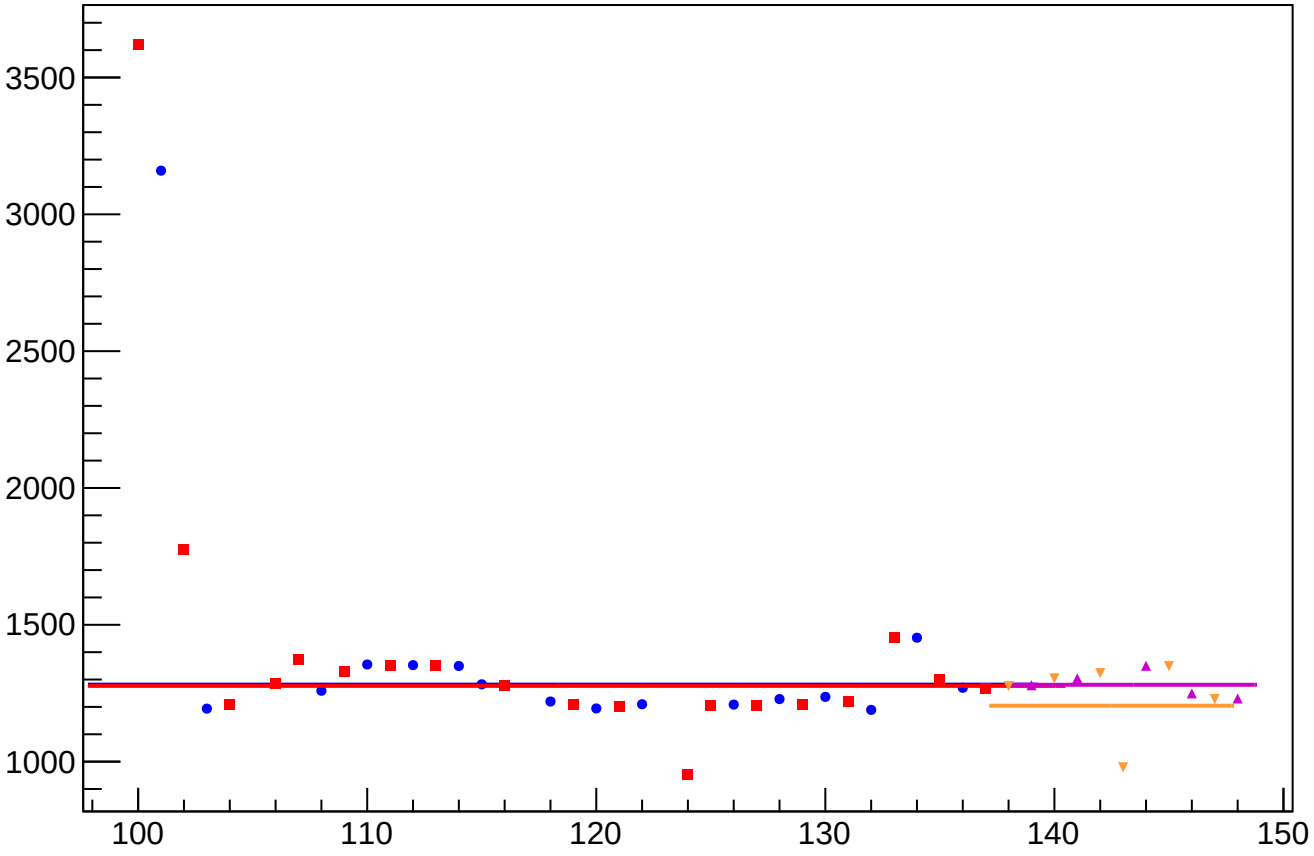
Left In: 390.717+/-612.675 χ^2/NDF:3.6/4

+ sign -48.434+/-369.744 χ^2/NDF: 34.9/21

All: 189.289+/-263.728 χ^2/NDF: 56.1/45

- sign 435.490+/-376.279 χ^2/NDF: 20.3/23

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

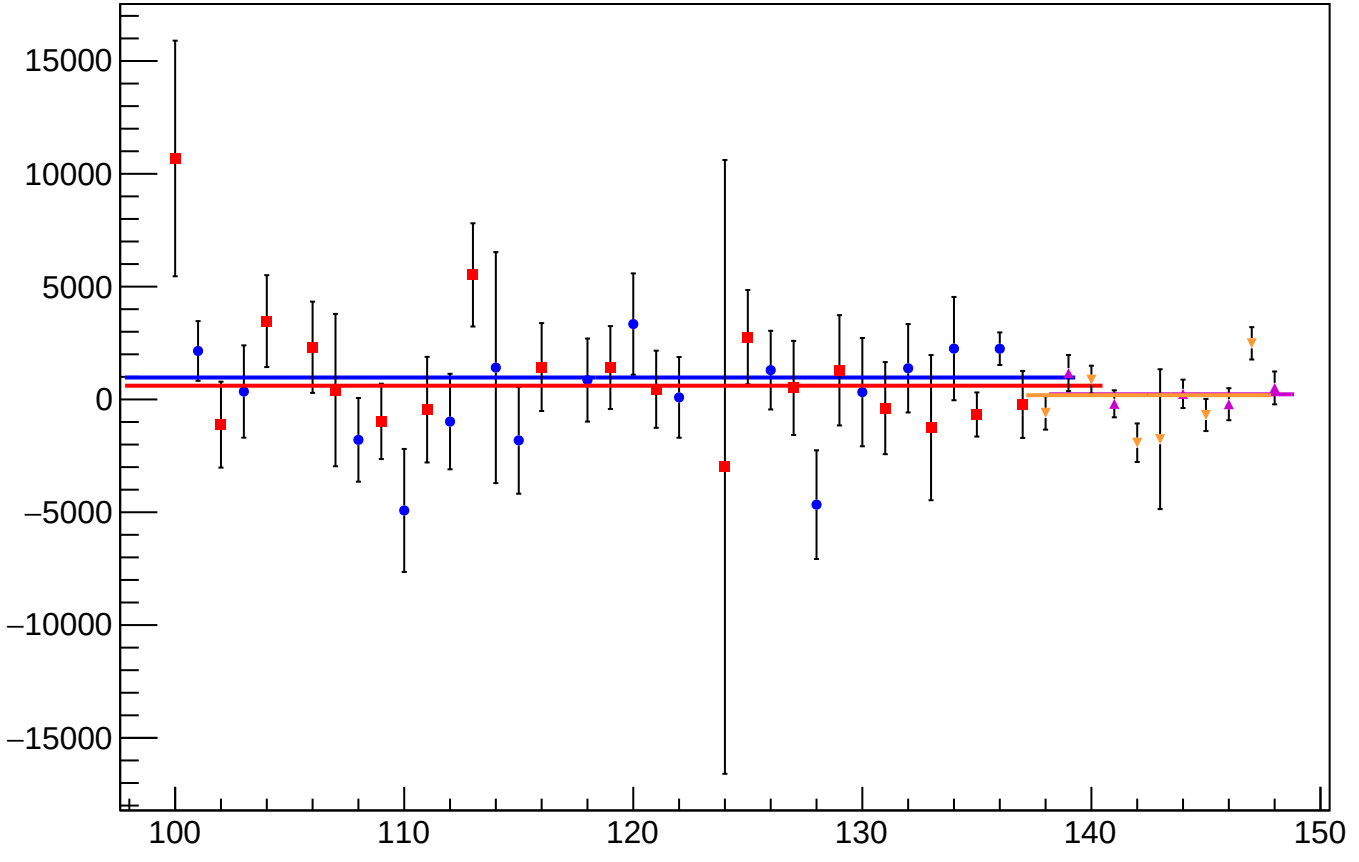
Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1249.027+/-0.261 χ^2/NDF: 655676.5/21

All: 1263.436+/-0.186 χ^2/NDF: 891676.9/45

- sign 1278.358+/-0.266 χ^2/NDF: 229817.5/23

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

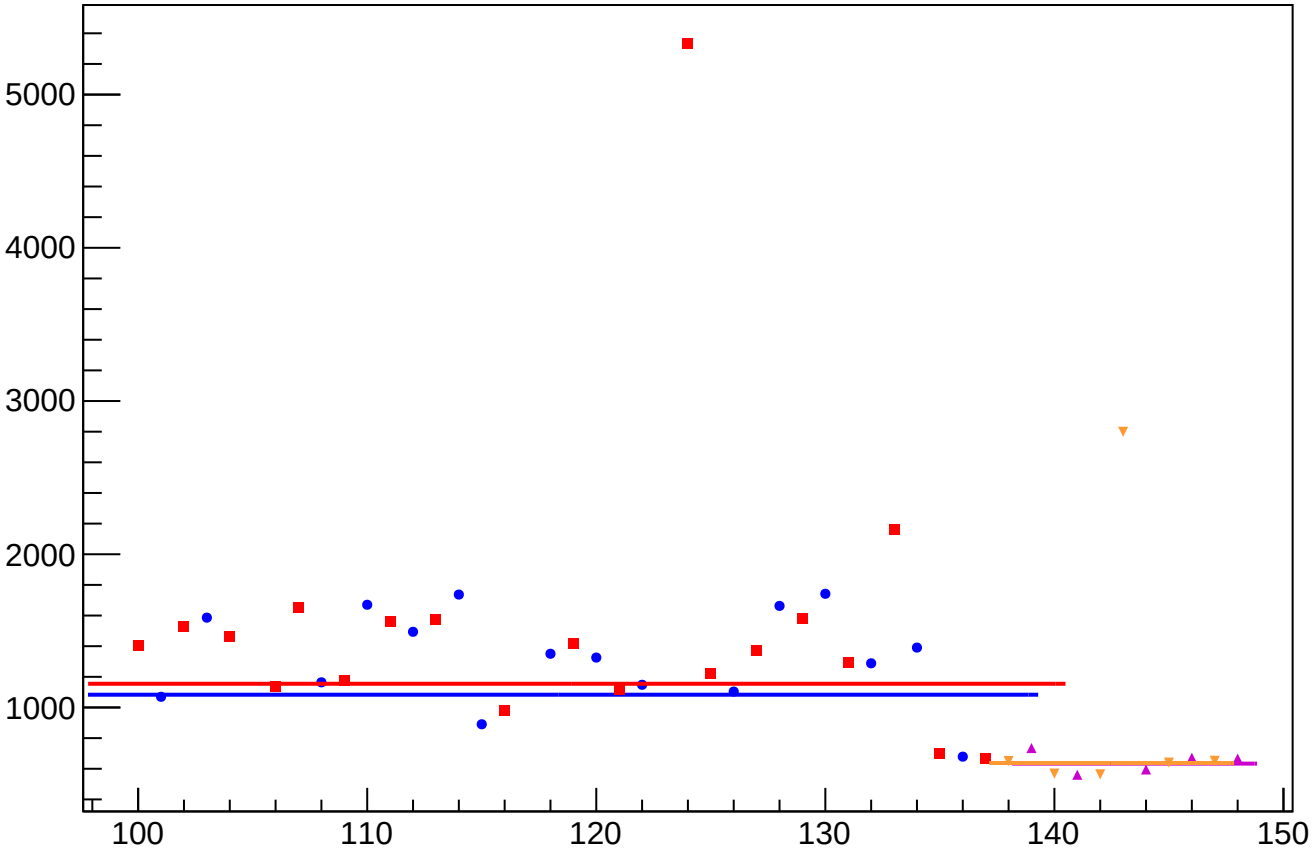
Left In: 227.704+/-305.096 χ^2/NDF:2.4/4

\+ sign 471.790+/-255.475 χ^2/NDF: 43.2/21

All: 409.296+/-179.452 χ^2/NDF: 63.4/45

\- sign 348.431+/-252.125 χ^2/NDF: 20.0/23

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

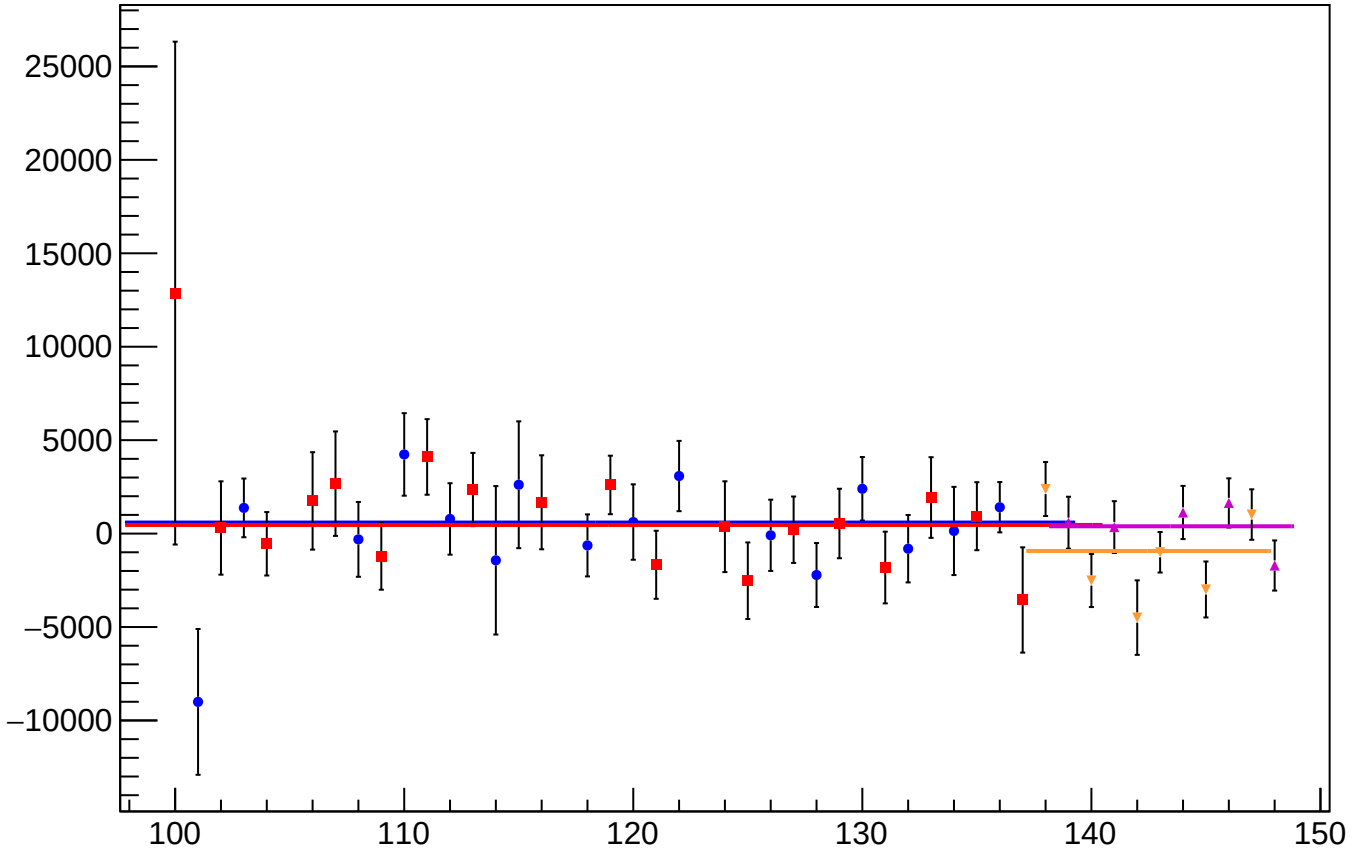
Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

+ sign 798.486+/-0.181 χ^2/NDF: 3779065.0/21

All: 798.655+/-0.127 χ^2/NDF: 7196908.6/45

- sign 798.819+/-0.178 χ^2/NDF: 3417841.9/23

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

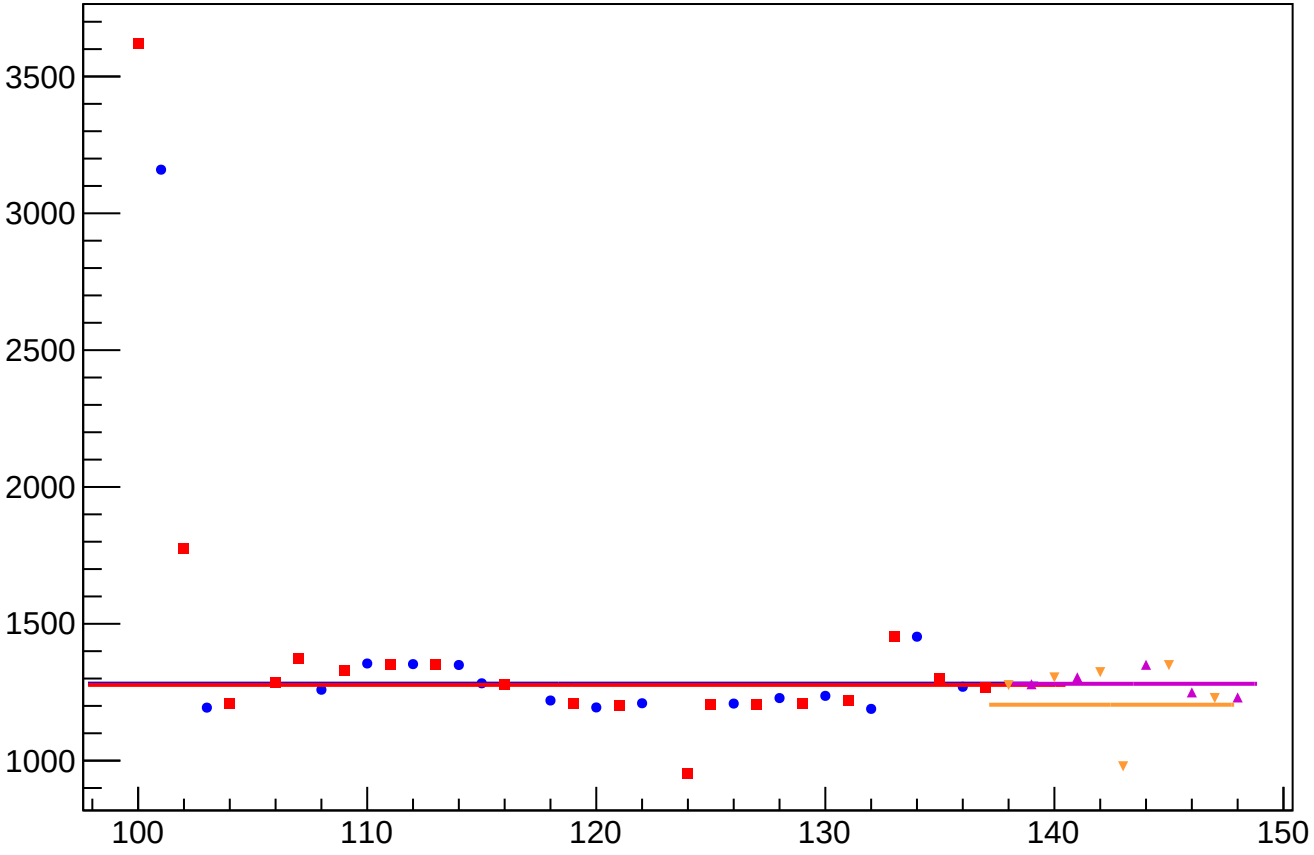
Left In: 390.721+/-612.675 χ^2/NDF:3.6/4

+ sign -48.433+/-369.744 χ^2/NDF: 34.9/21

All: 189.290+/-263.728 χ^2/NDF: 56.1/45

- sign 435.491+/-376.279 χ^2/NDF: 20.3/23

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

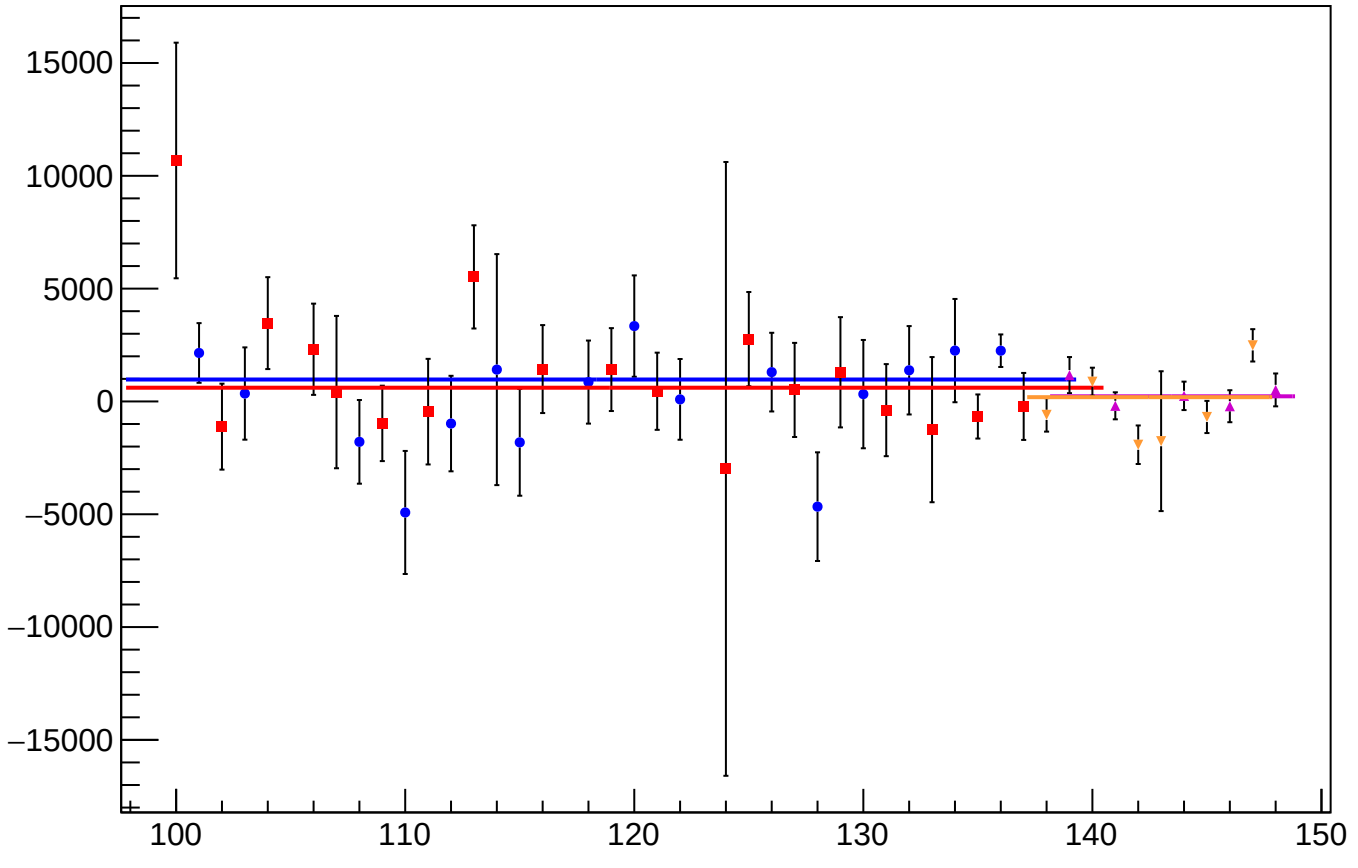
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1249.027+/-0.261 χ^2/NDF: 655675.8/21

All: 1263.436+/-0.186 χ^2/NDF: 891676.1/45

- sign 1278.358+/-0.266 χ^2/NDF: 229817.4/23



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

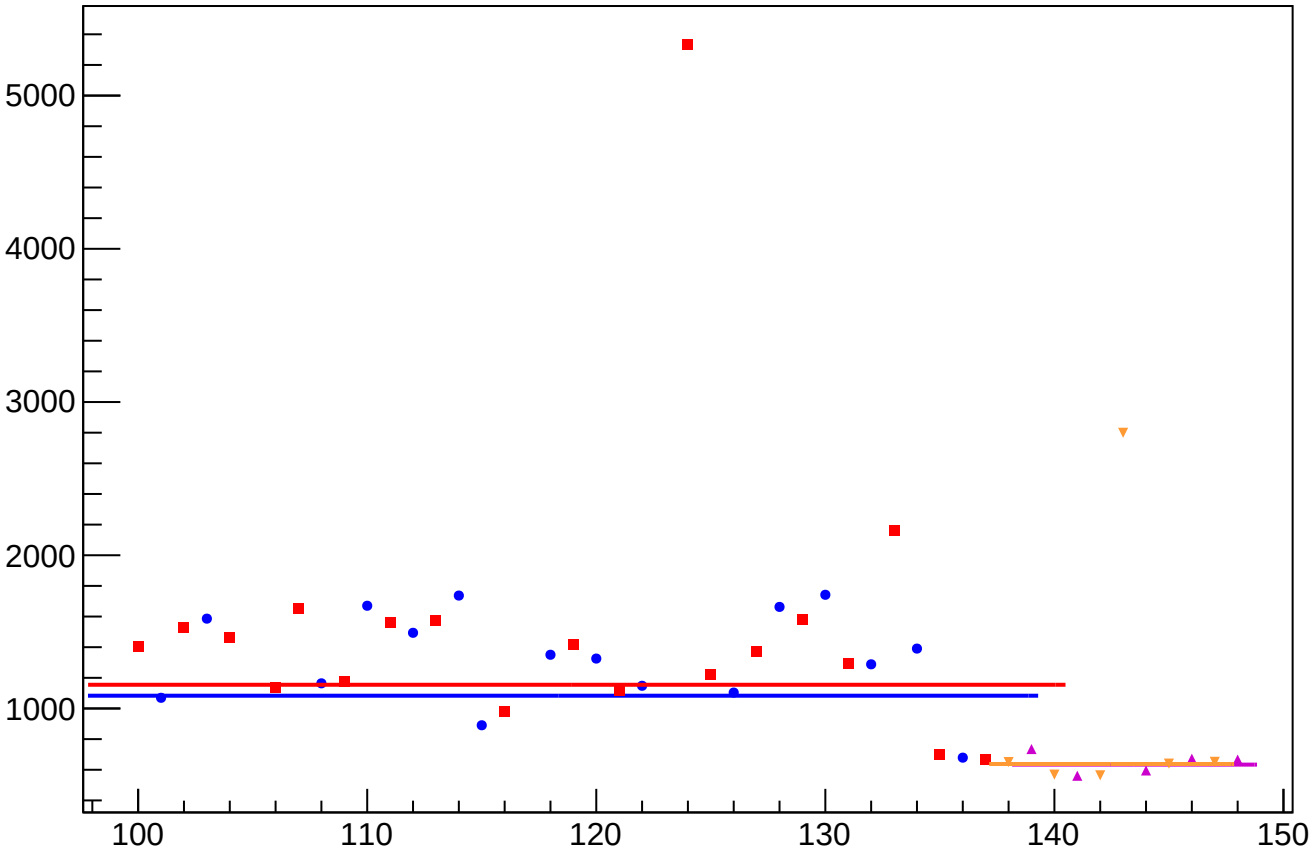
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 227.703+/-305.096 χ^2/NDF:2.4/4

+ sign 471.790+/-255.476 χ^2/NDF: 43.2/21

All: 409.297+/-179.452 χ^2/NDF: 63.4/45

- sign 348.433+/-252.125 χ^2/NDF: 20.0/23



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

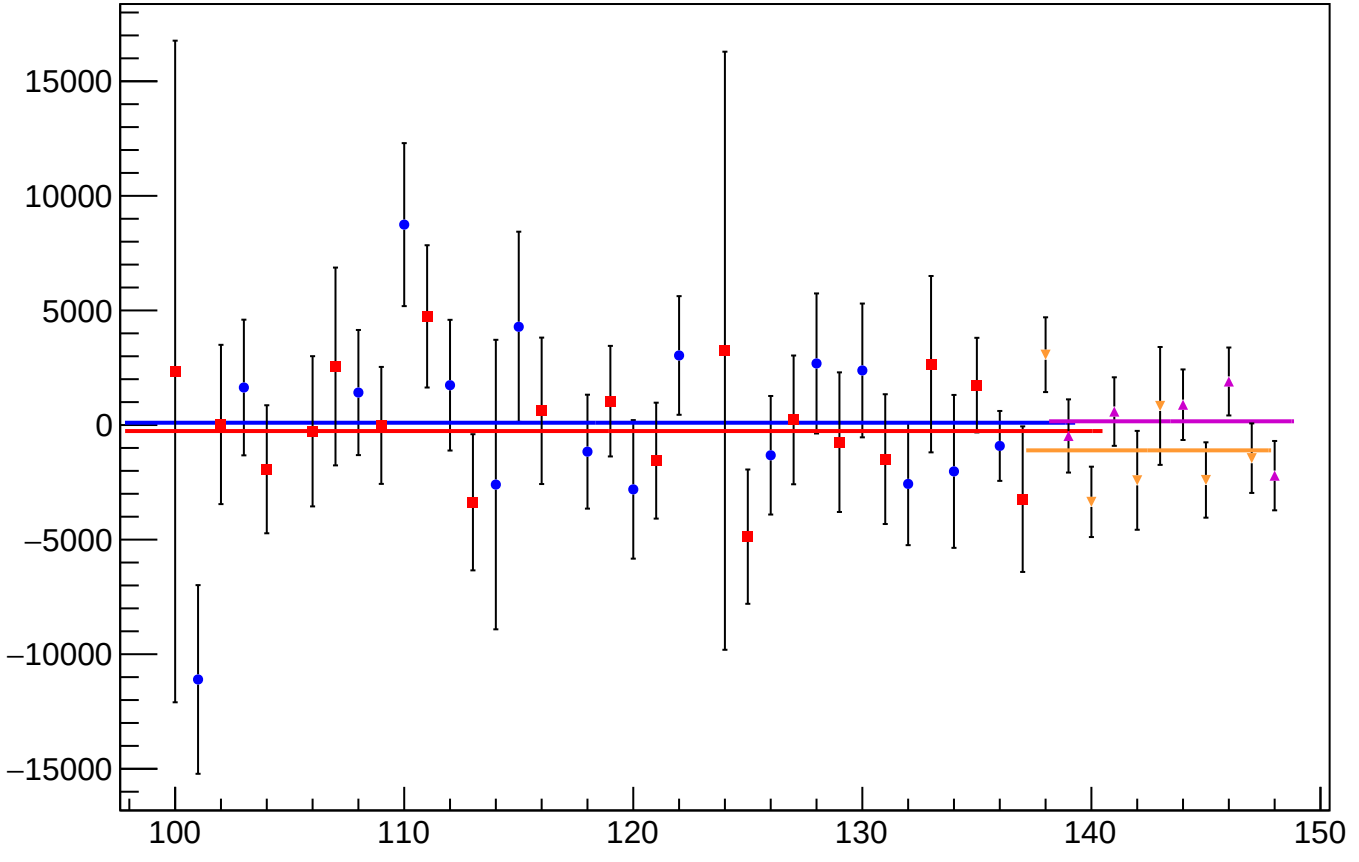
Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

+ sign 798.490+/-0.181 χ^2/NDF: 3779017.9/21

All: 798.657+/-0.127 χ^2/NDF: 7196854.3/45

- sign 798.820+/-0.178 χ^2/NDF: 3417834.7/23

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

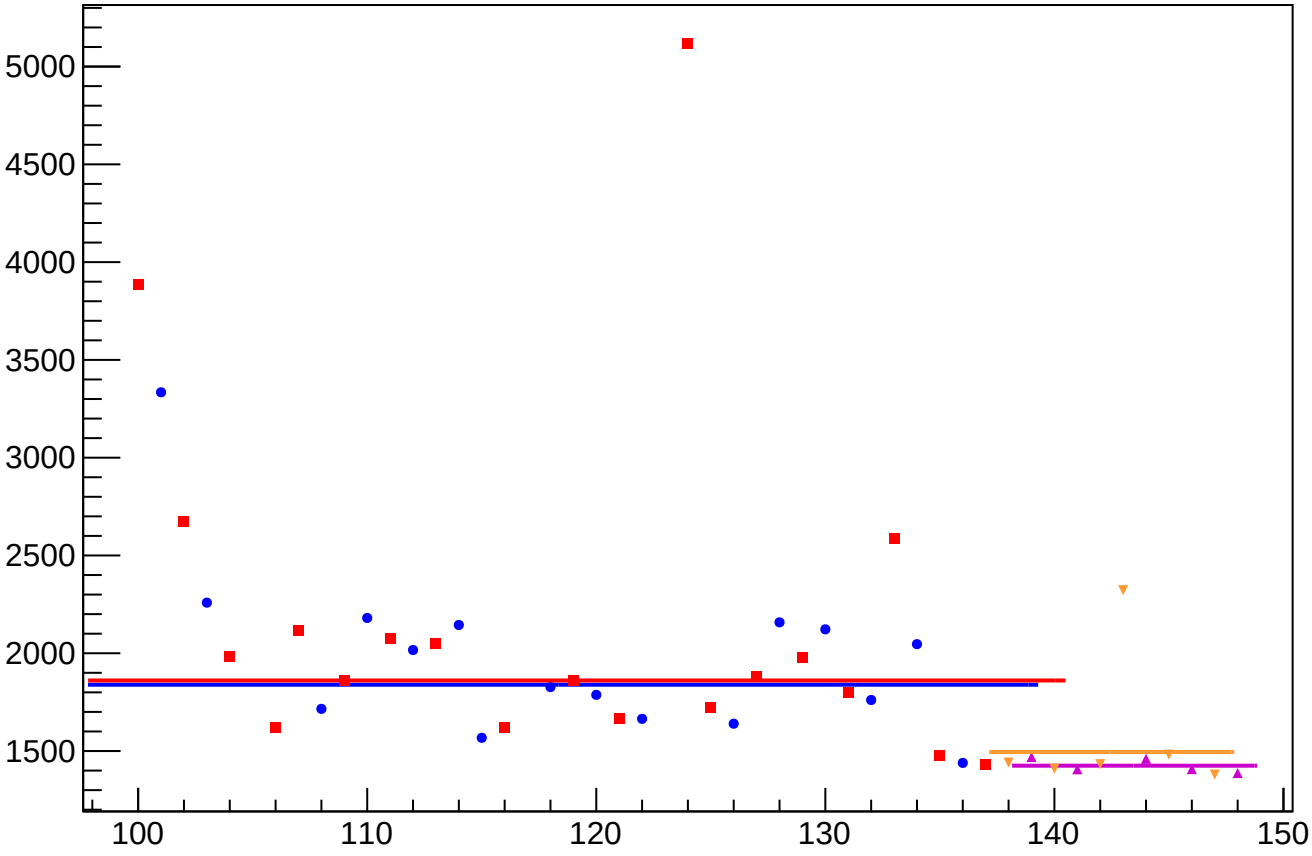
Left In: 162.584+/-681.529 χ^2/NDF:4.3/4

+ sign -490.920+/-498.912 χ^2/NDF: 33.0/21

All: -262.861+/-348.942 χ^2/NDF: 48.3/45

- sign -44.472+/-488.220 χ^2/NDF: 14.8/23

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

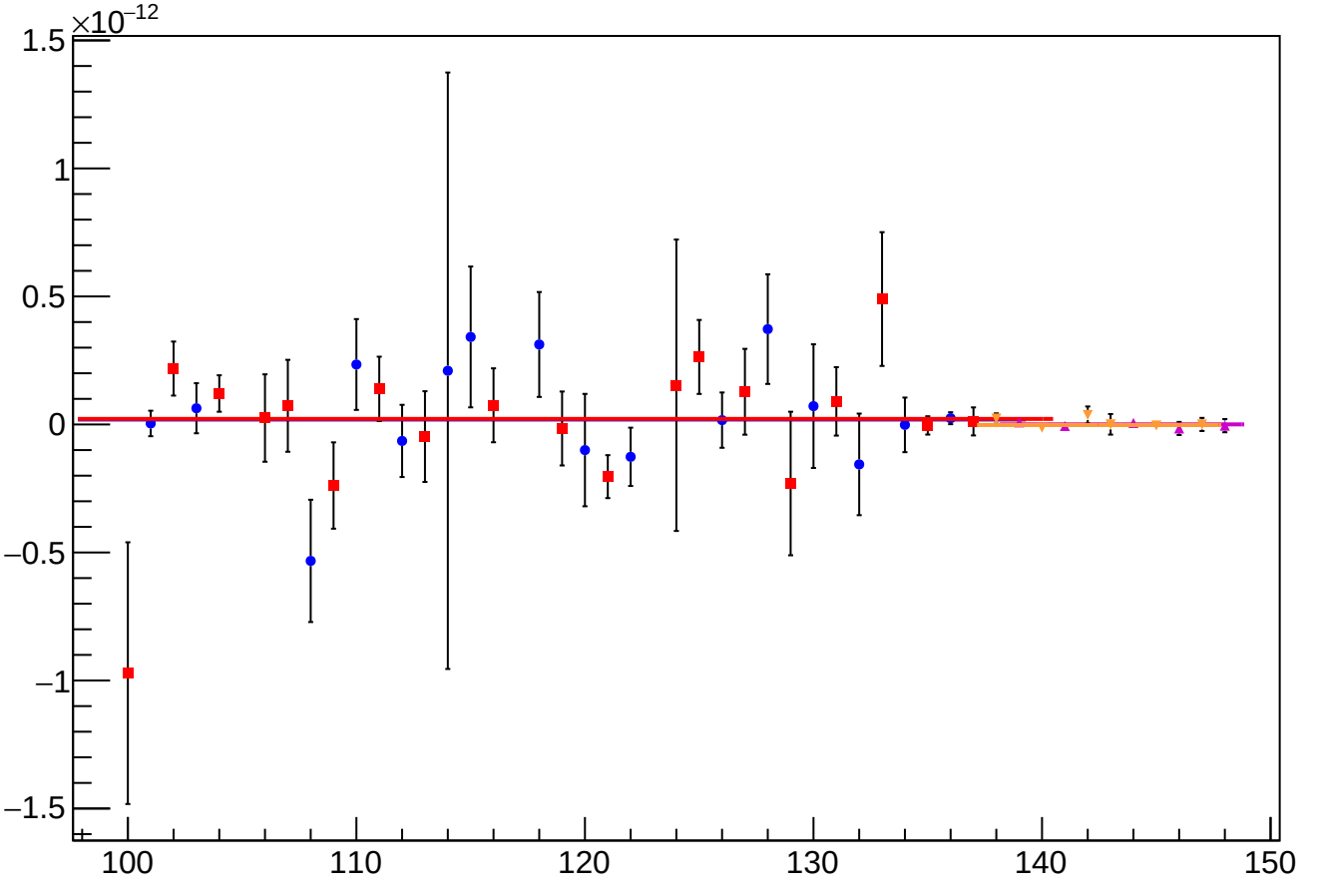
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

+ sign 1670.345+/-0.353 χ^2/NDF: 1023142.2/21

All: 1653.392+/-0.247 χ^2/NDF: 1952143.2/45

- sign 1637.159+/-0.345 χ^2/NDF: 924480.7/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

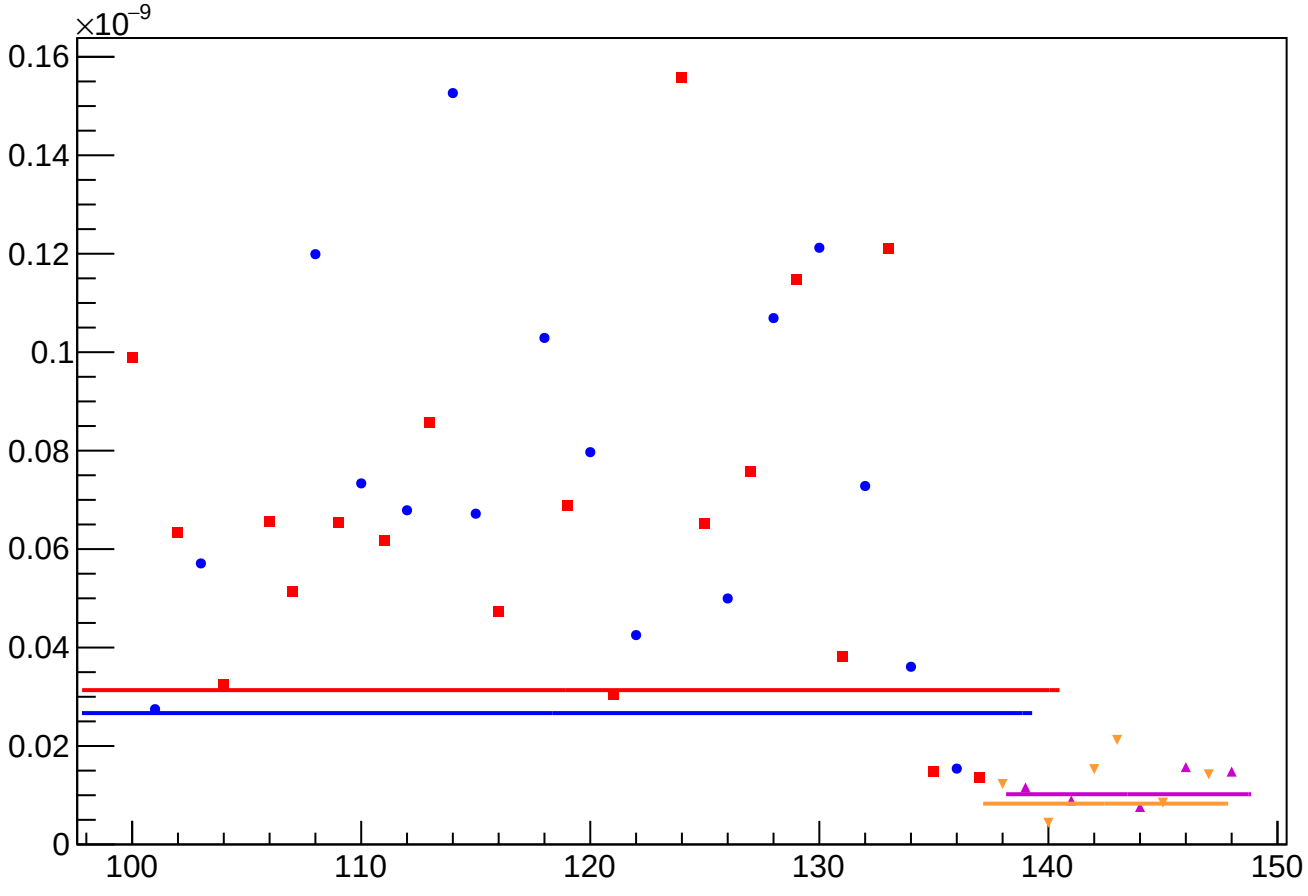
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 51.6/45

- sign 0.000+/-0.000 χ^2/NDF: 29.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

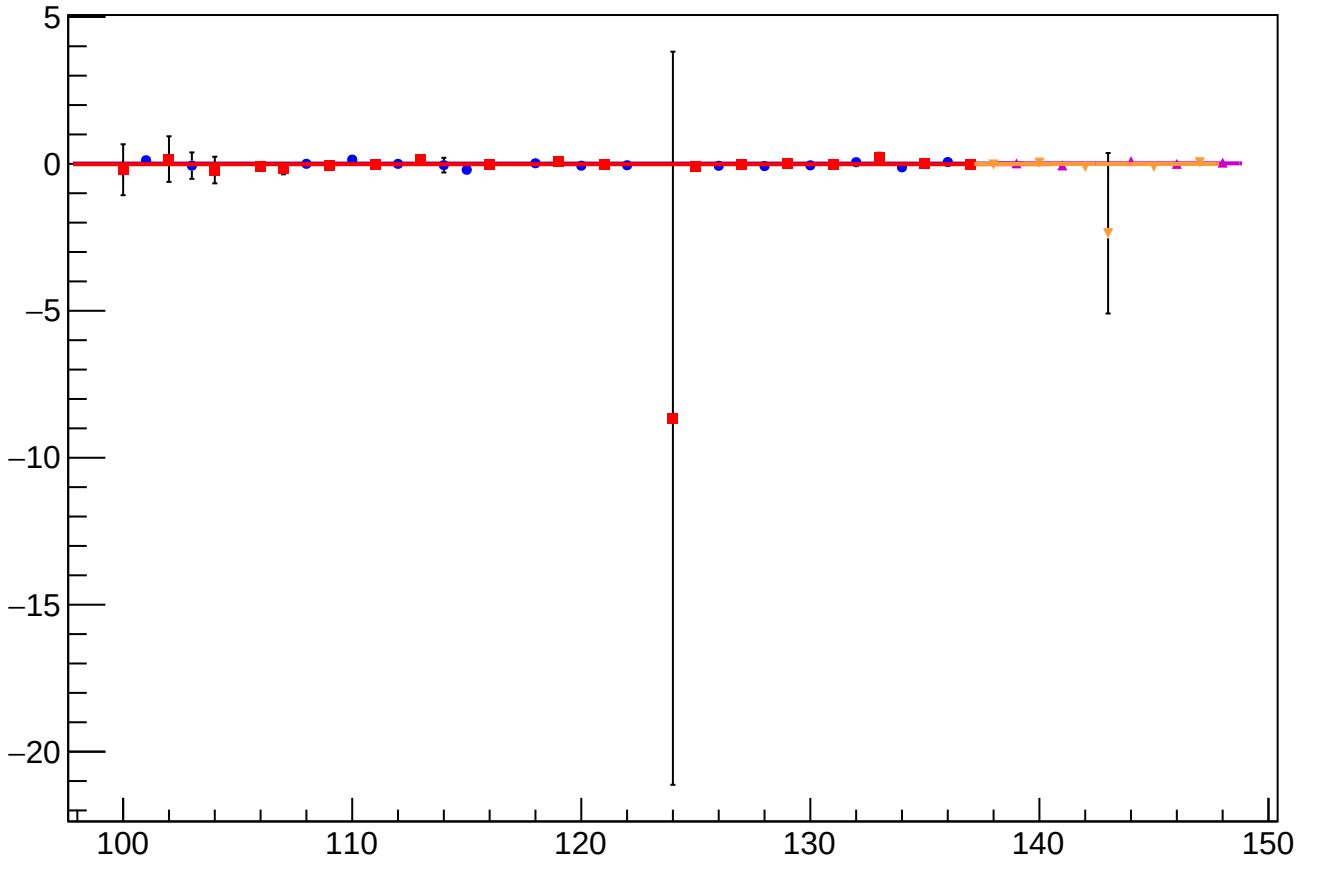
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:255840.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 4988047.5/21

All: 0.000+/-0.000 χ^2/NDF: 9180753.0/45

- sign 0.000+/-0.000 χ^2/NDF: 4120420.0/23



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

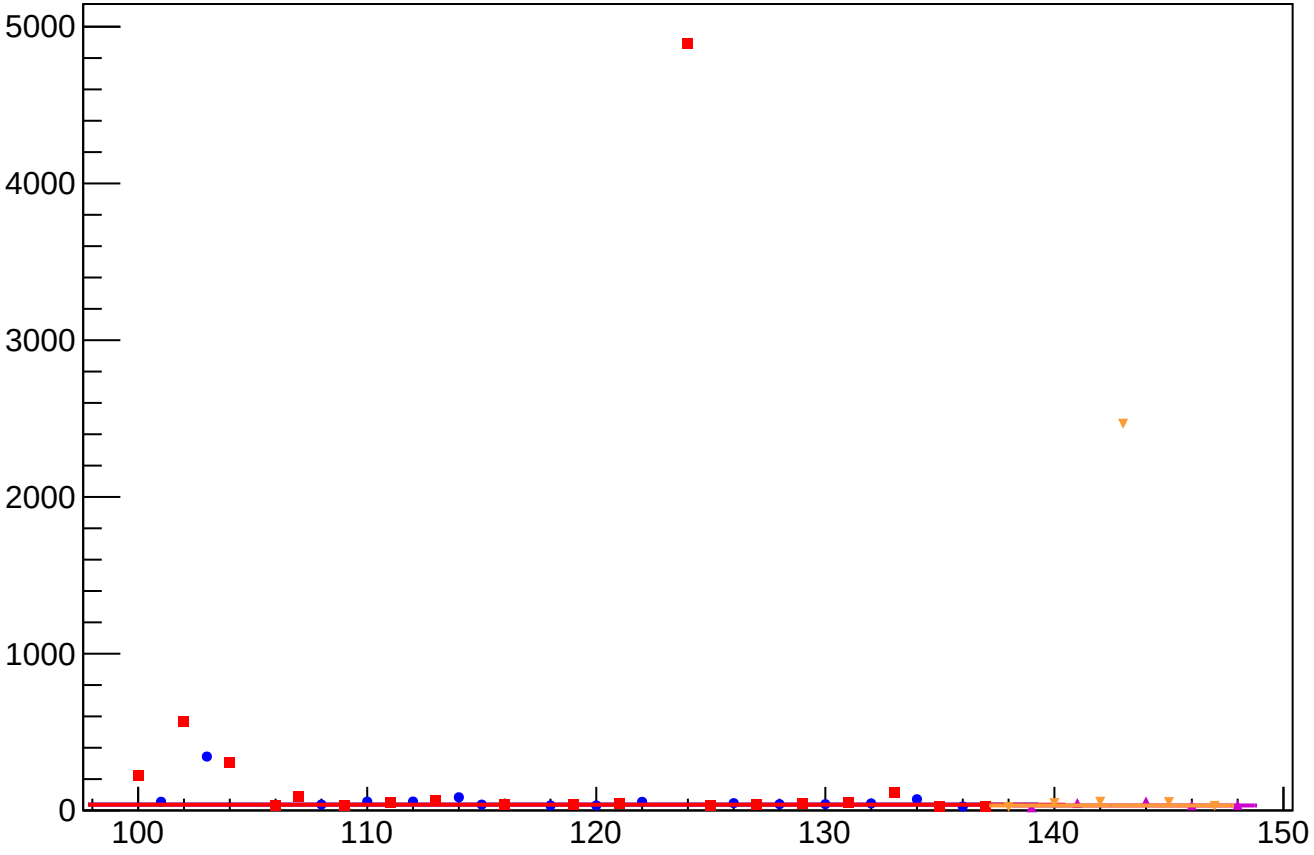
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

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

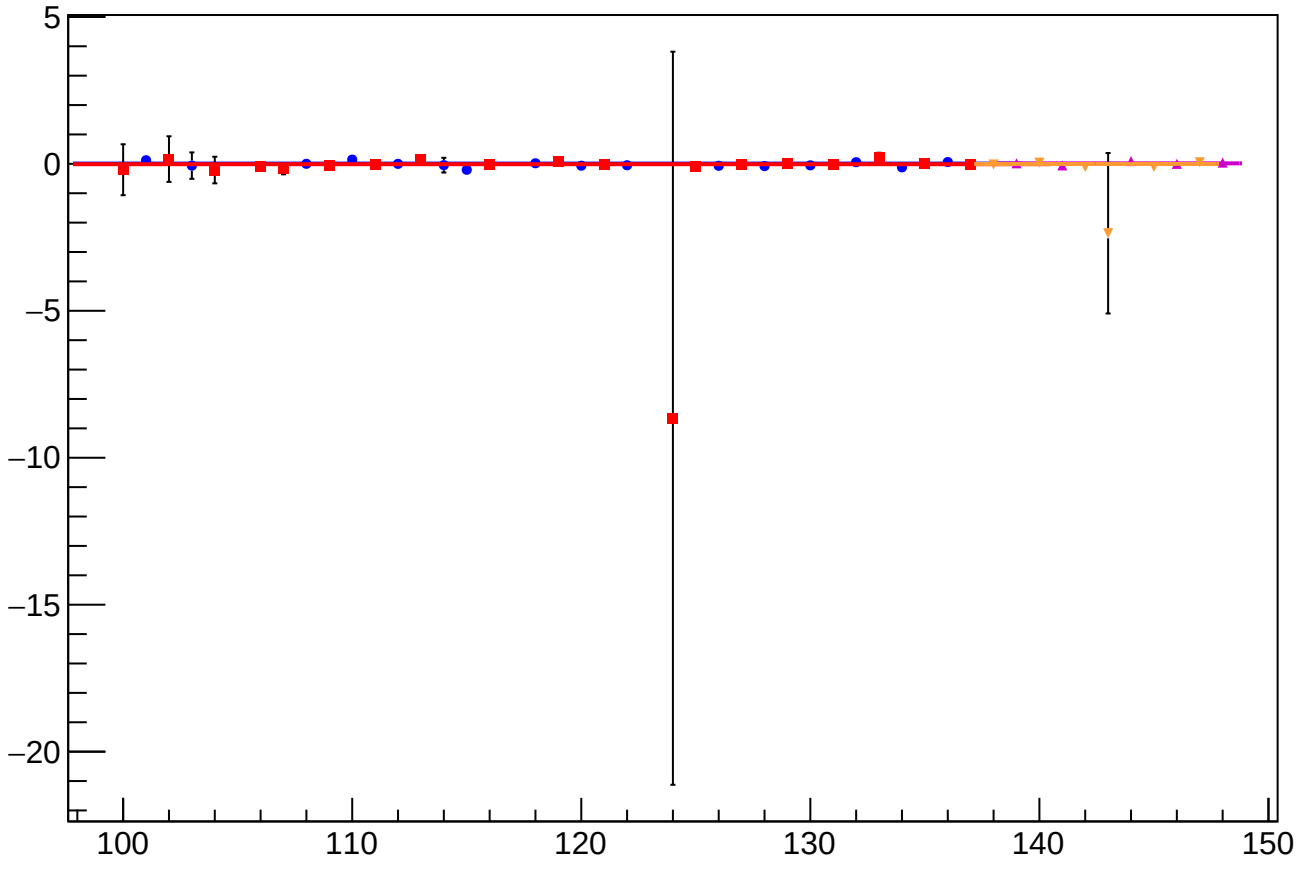
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

- sign 34.416+/-0.009 χ^2/NDF: 4160131.1/23



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

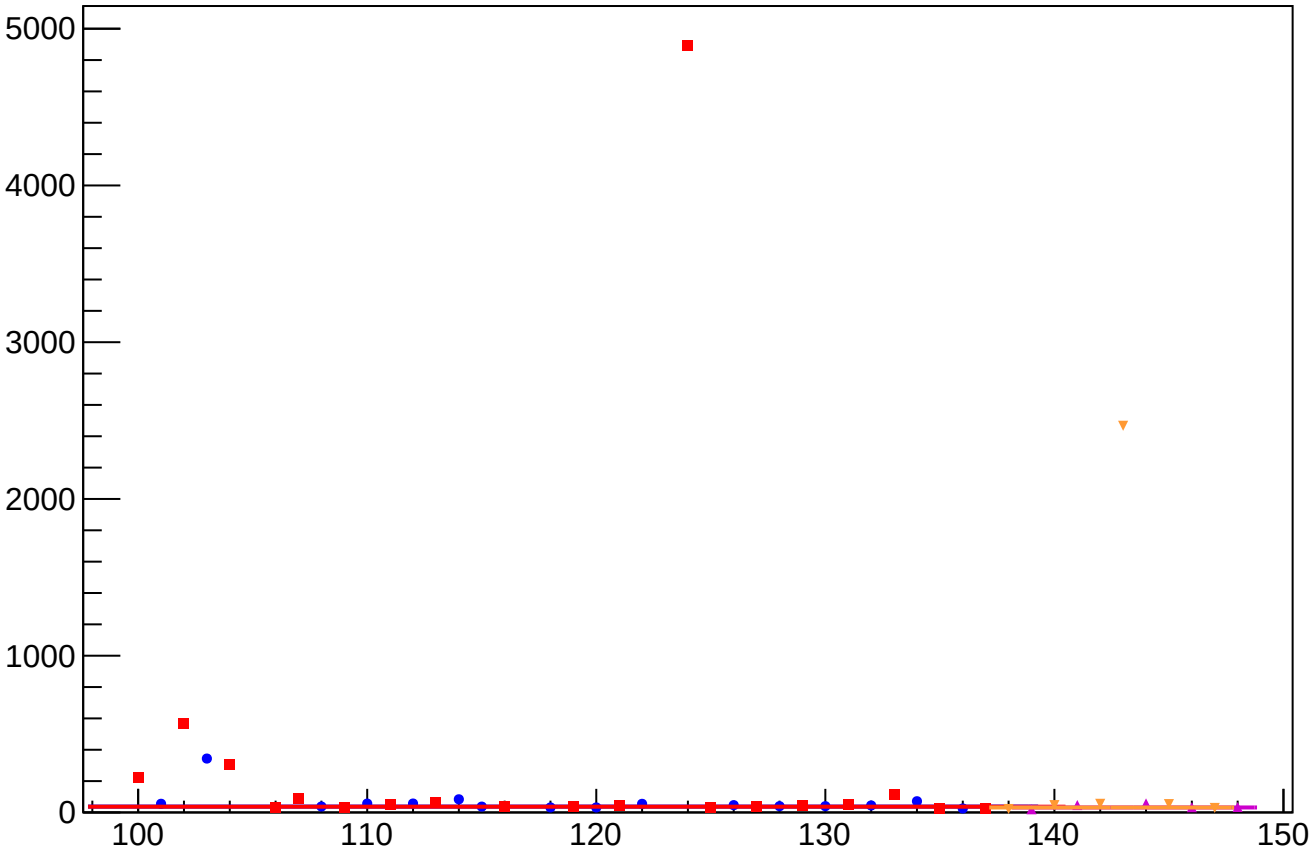
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 31.782+/-0.013 χ^2/NDF:2393922.2/5

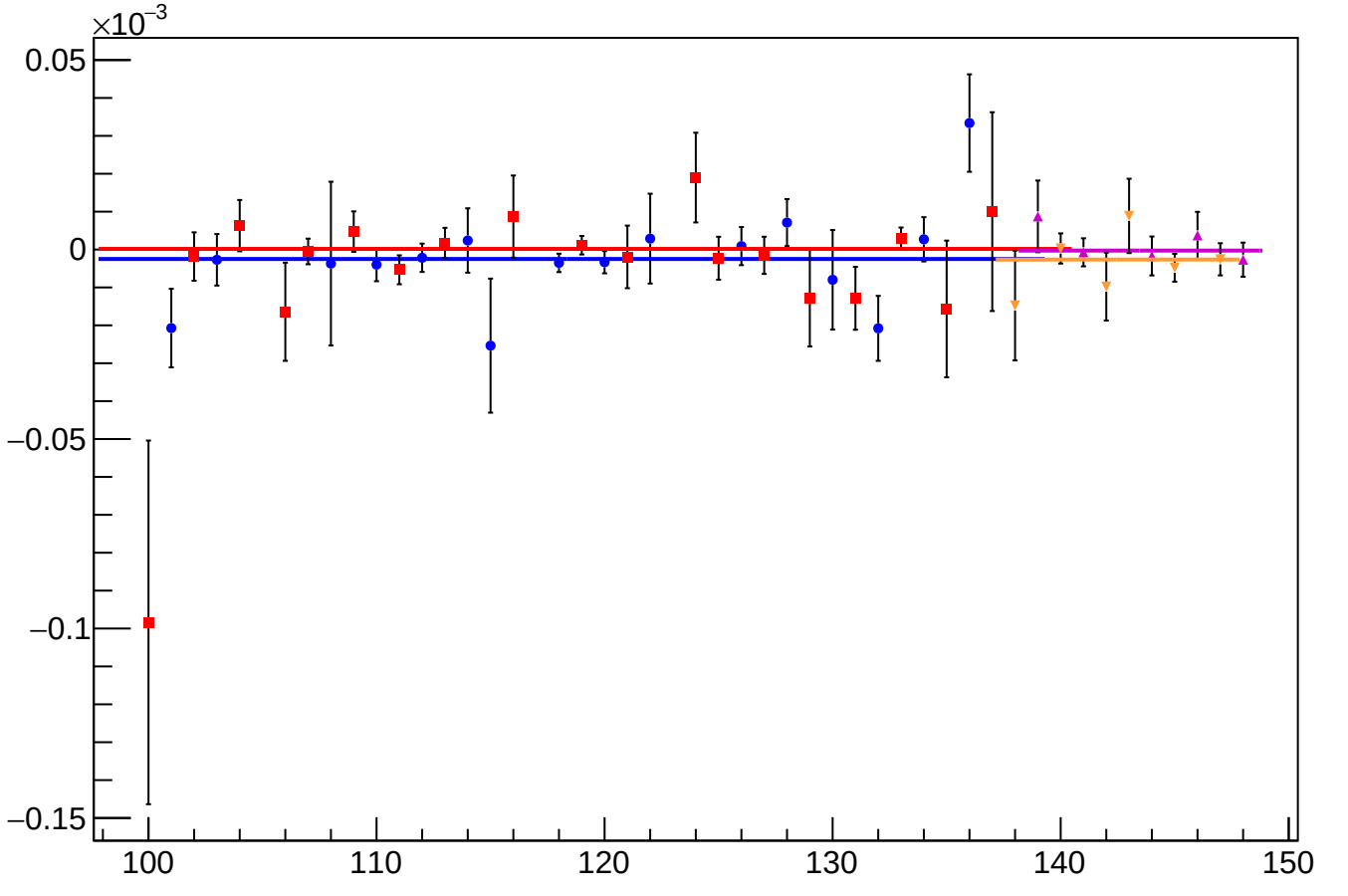
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

- sign 34.416+/-0.009 χ^2/NDF: 4160131.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

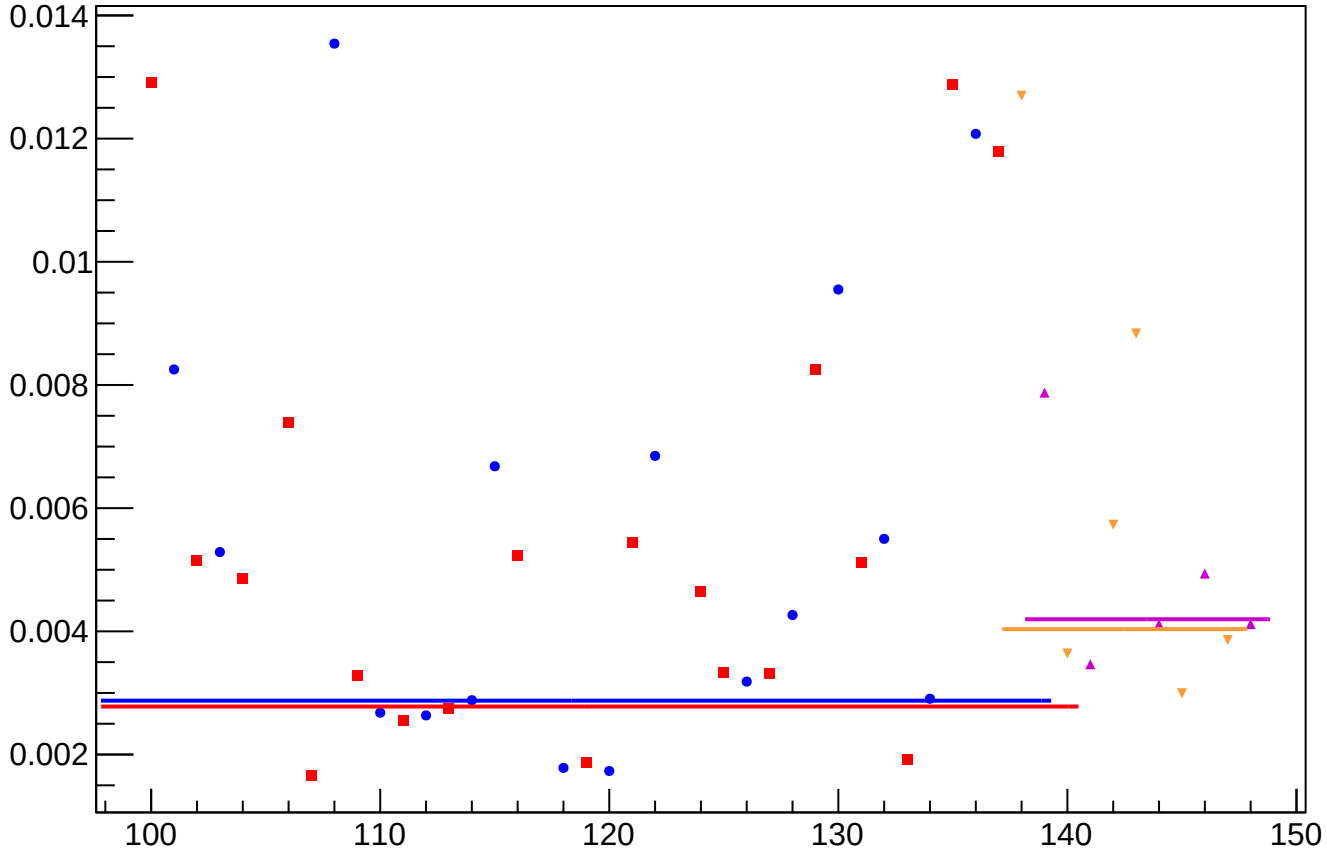
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/21

All: -0.000+/-0.000 χ^2/NDF: 49.0/45

- sign 0.000+/-0.000 χ^2/NDF: 20.6/23



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449080.1/5

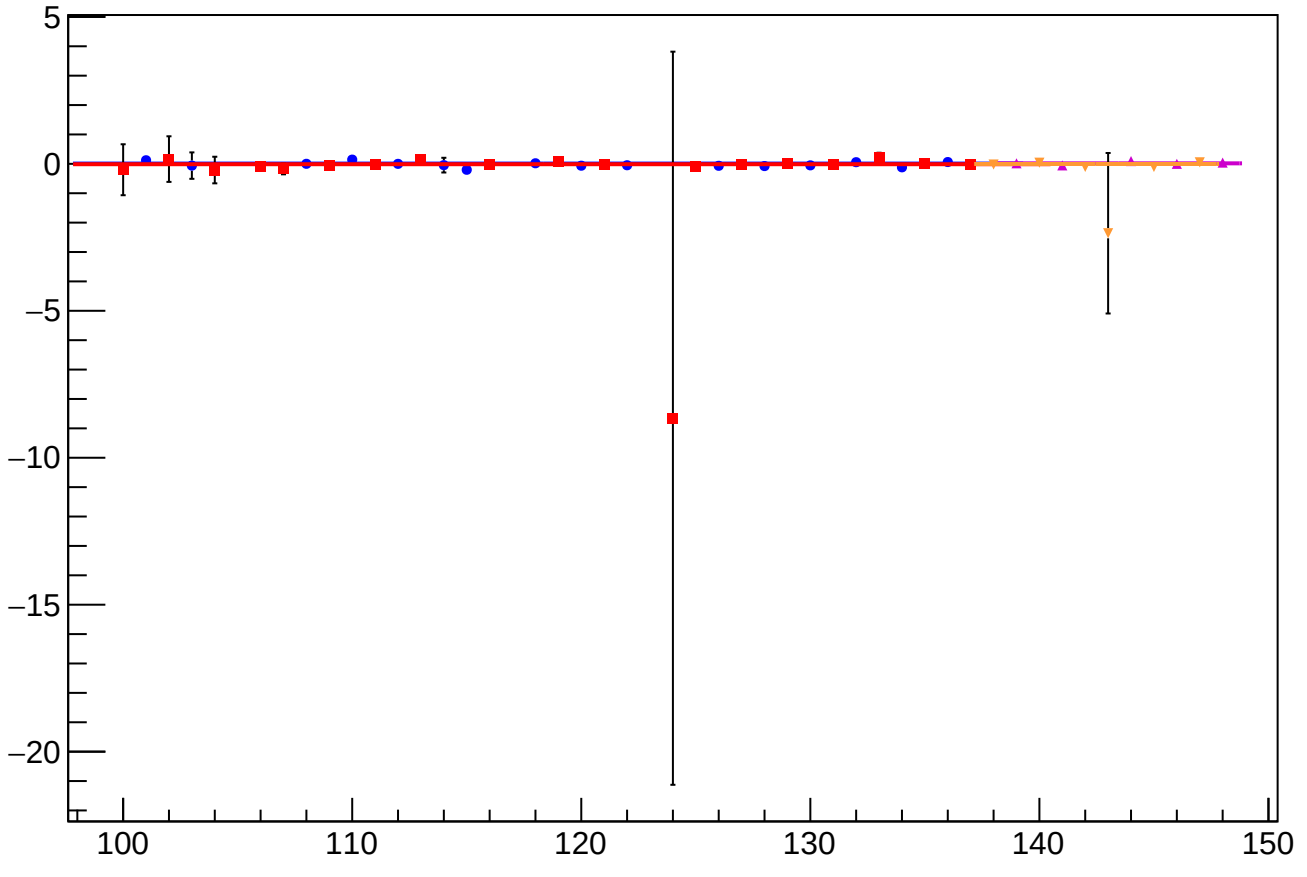
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:410575.2/4

+ sign 0.003+/-0.000 χ^2/NDF: 6033746.6/21

All: 0.003+/-0.000 χ^2/NDF: 10389825.1/45

- sign 0.003+/-0.000 χ^2/NDF: 4345823.9/23



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

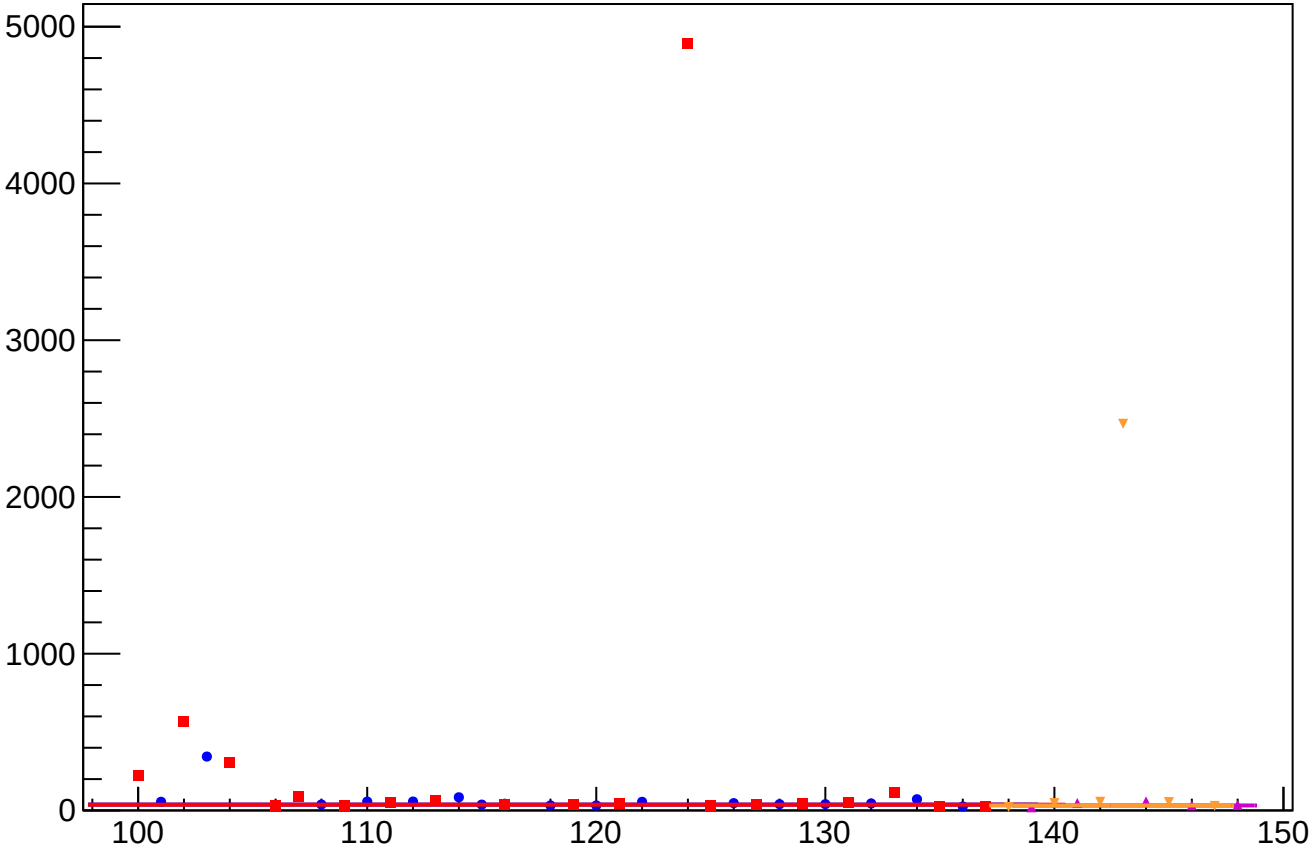
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 31.779+/-0.013 χ^2/NDF:2394231.8/5

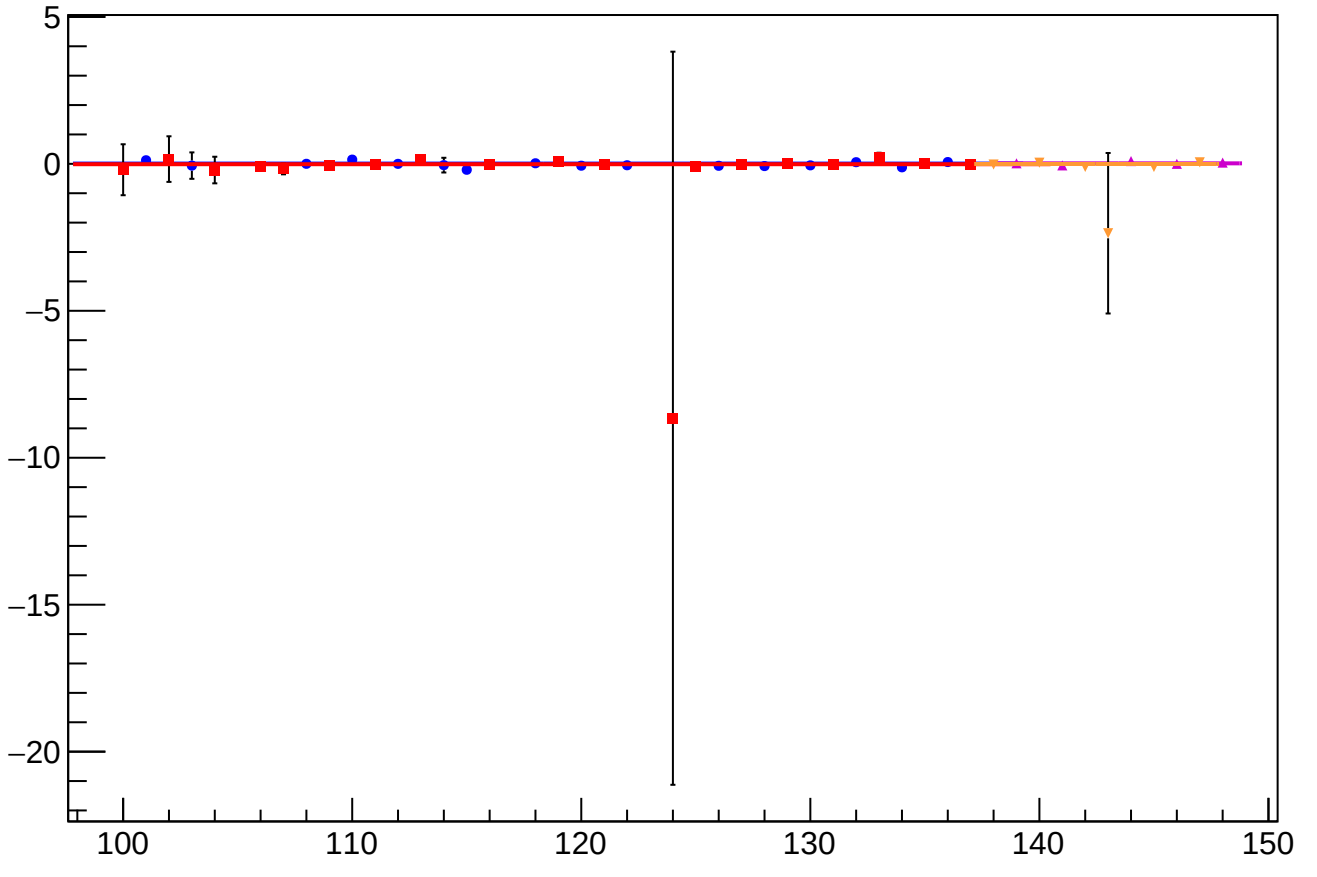
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

- sign 34.420+/-0.009 χ^2/NDF: 4158974.8/23



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

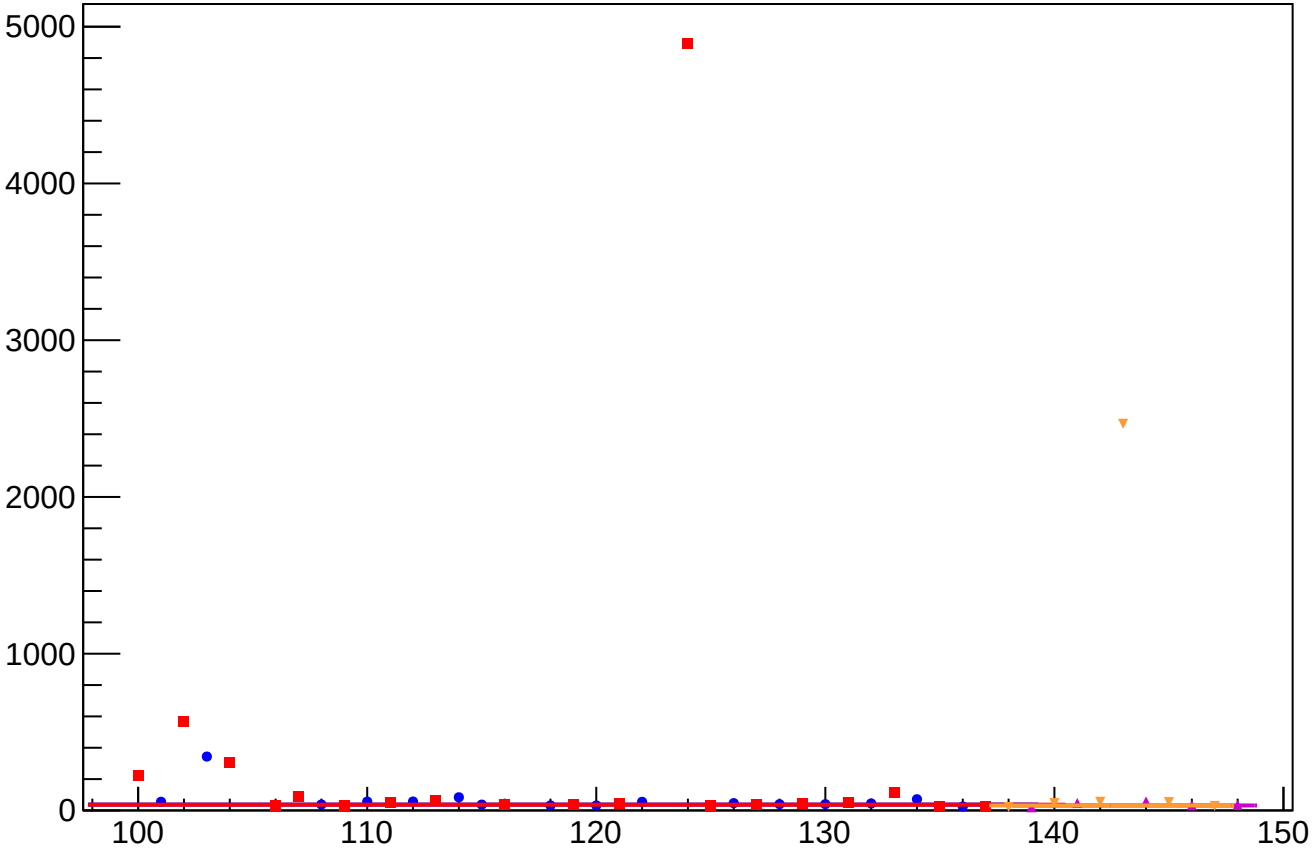
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

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

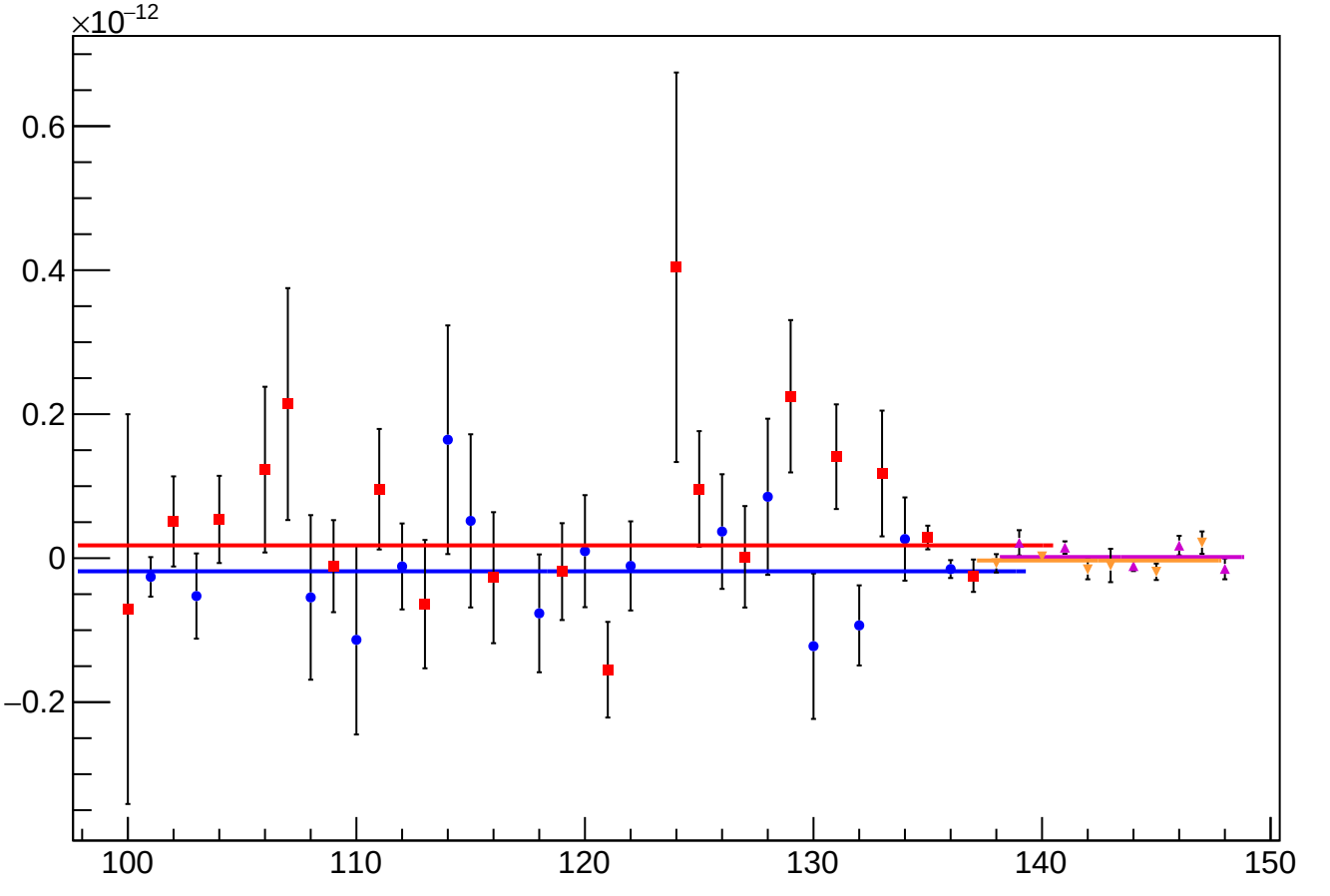
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

- sign 34.420+/-0.009 χ^2/NDF: 4158974.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

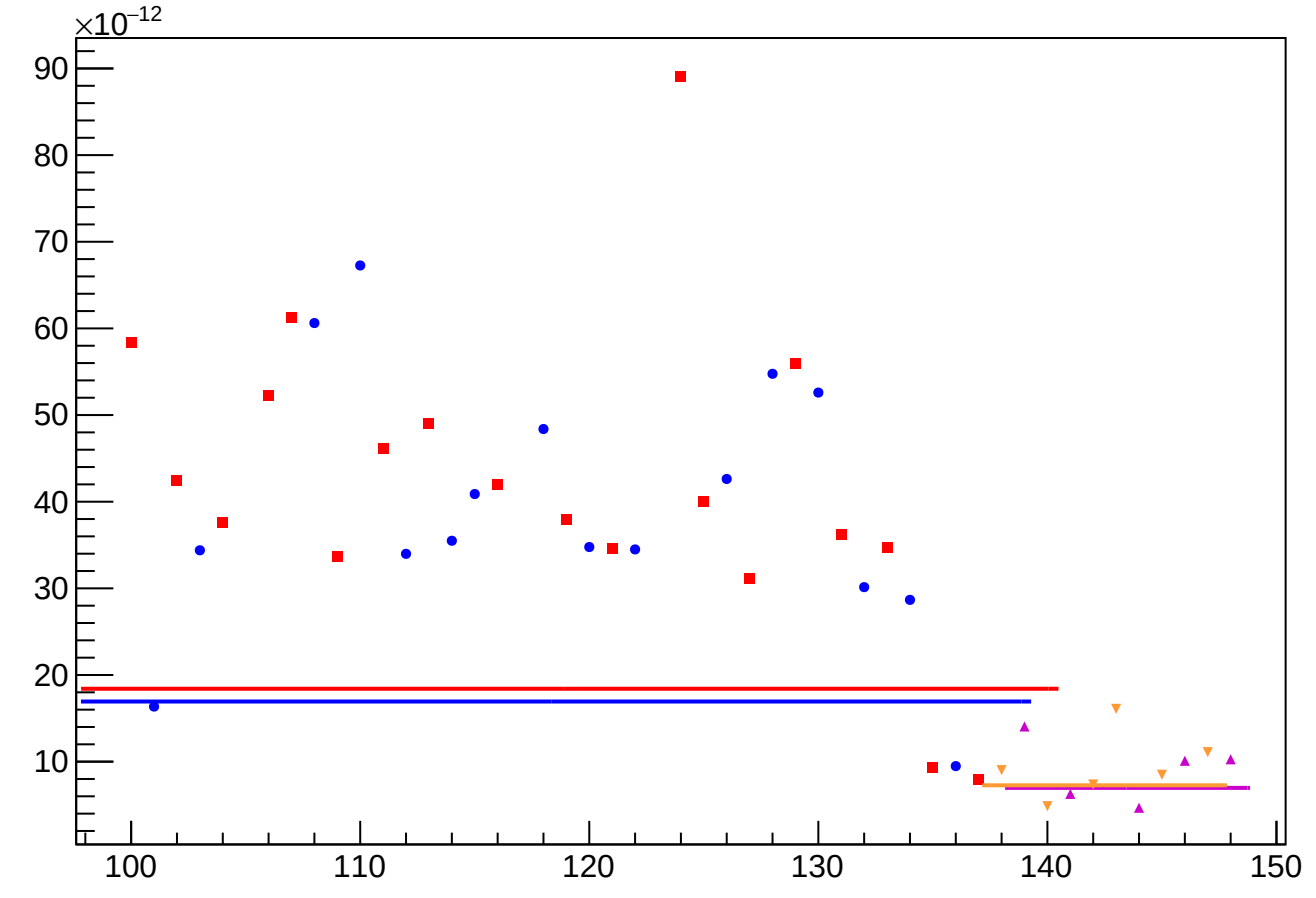
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/21

All: -0.000+/-0.000 χ^2/NDF: 57.5/45

- sign 0.000+/-0.000 χ^2/NDF: 38.5/23



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

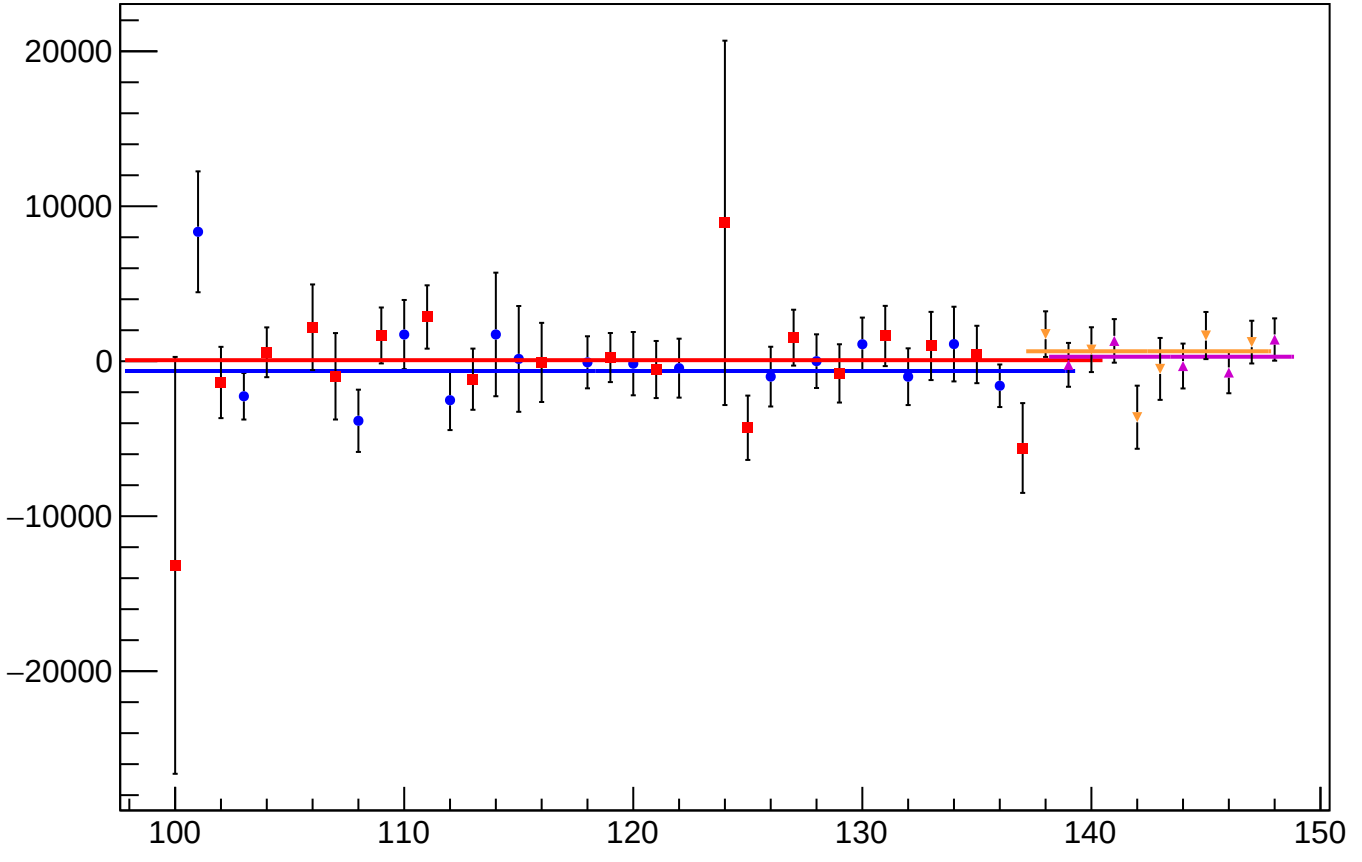
Left In: 0.000+/-0.000 χ^2/NDF:761743.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 5499232.5/21

All: 0.000+/-0.000 χ^2/NDF: 11767089.4/45

- sign 0.000+/-0.000 χ^2/NDF: 6262044.4/23

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

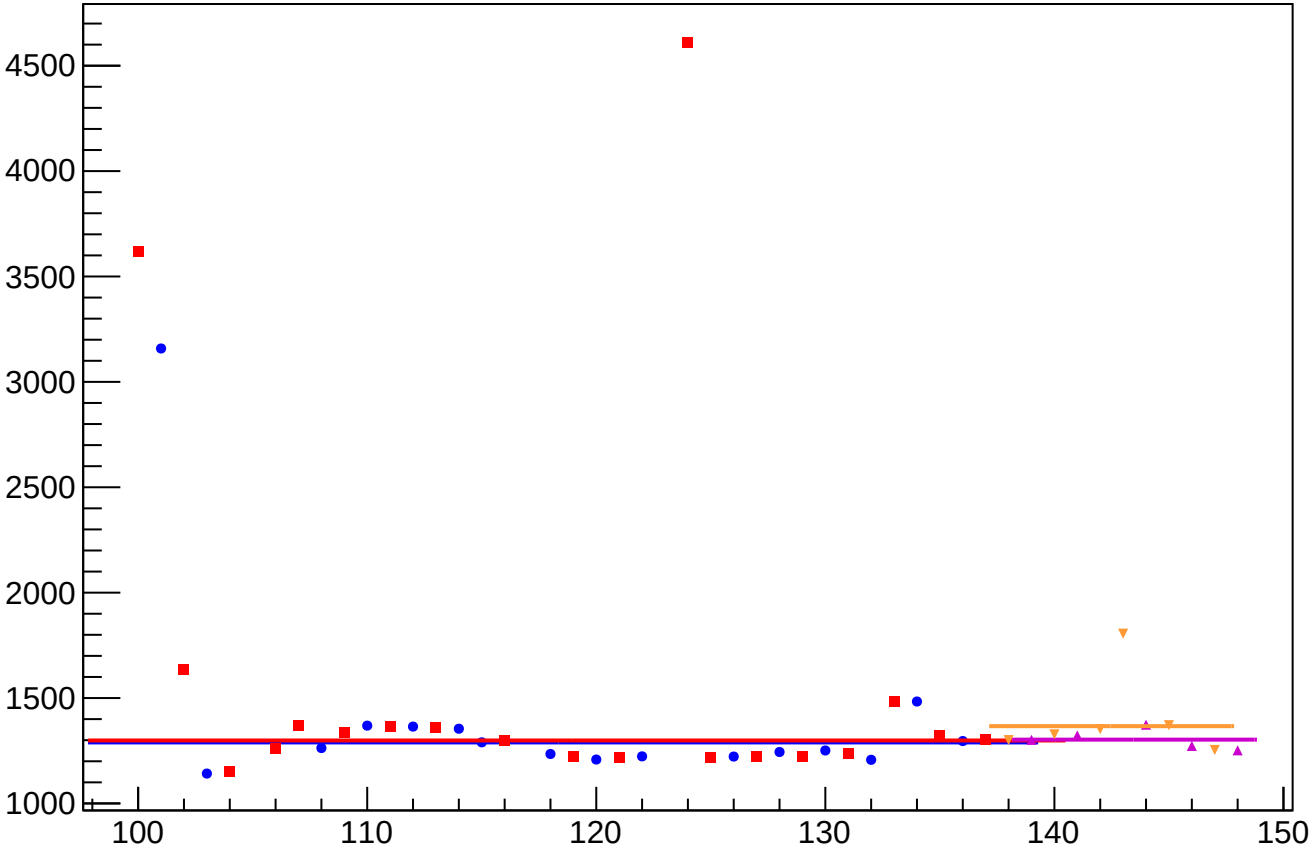
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -5.818+/-273.627 χ^2/NDF: 40.6/45

- sign 152.144+/-384.081 χ^2/NDF: 18.0/23

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

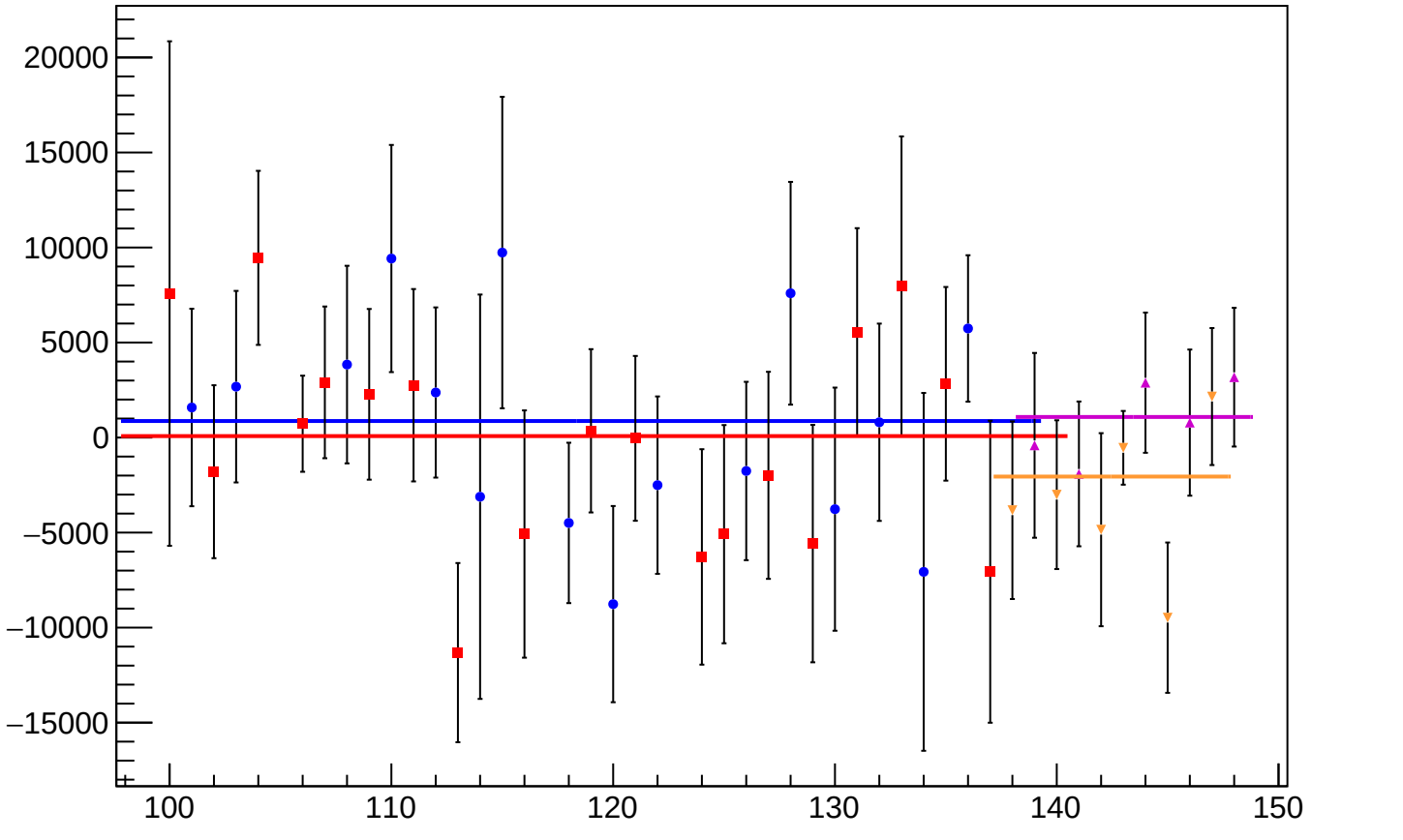
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45

- sign 1300.167+/-0.271 χ^2/NDF: 328388.4/23



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

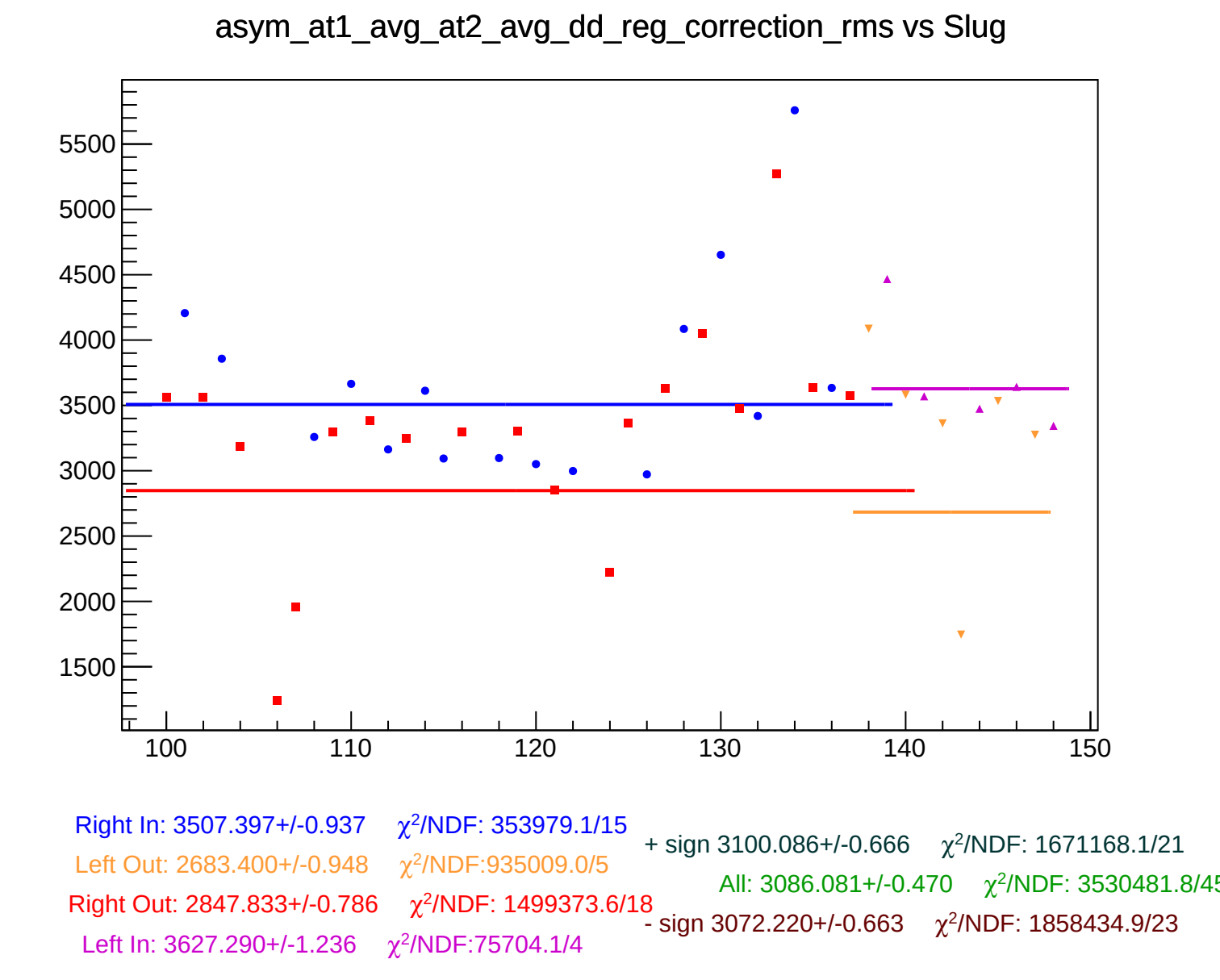
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

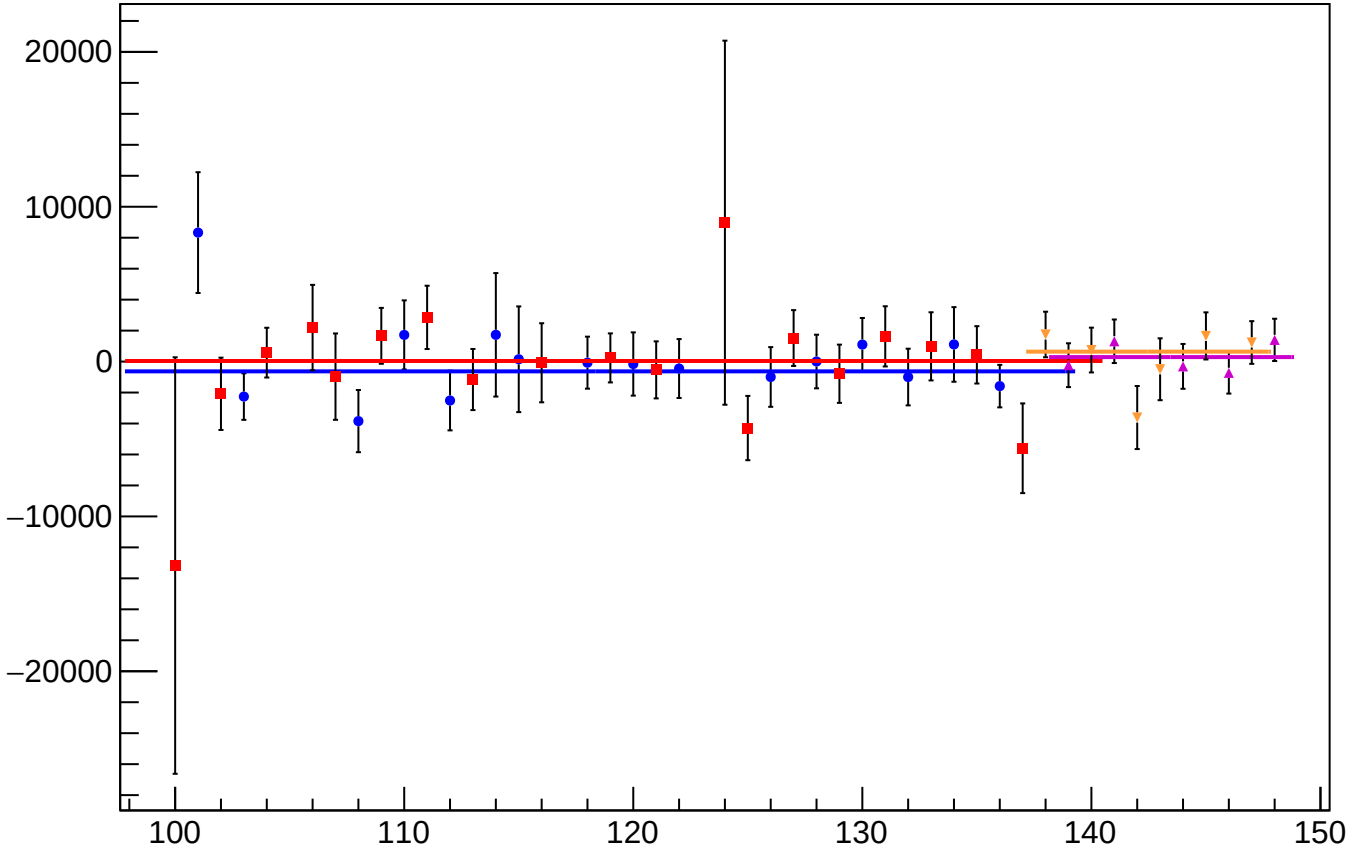
+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -101.404+/-664.686 χ^2/NDF: 42.8/45

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2683.400+/-0.948 χ²/NDF:935009.0/5
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3627.290+/-1.236 χ²/NDF:75704.1/4
+ sign 3100.086+/-0.666 χ²/NDF: 1671168.1/21
All: 3086.081+/-0.470 χ²/NDF: 3530481.8/45
- sign 3072.220+/-0.663 χ²/NDF: 1858434.9/23

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

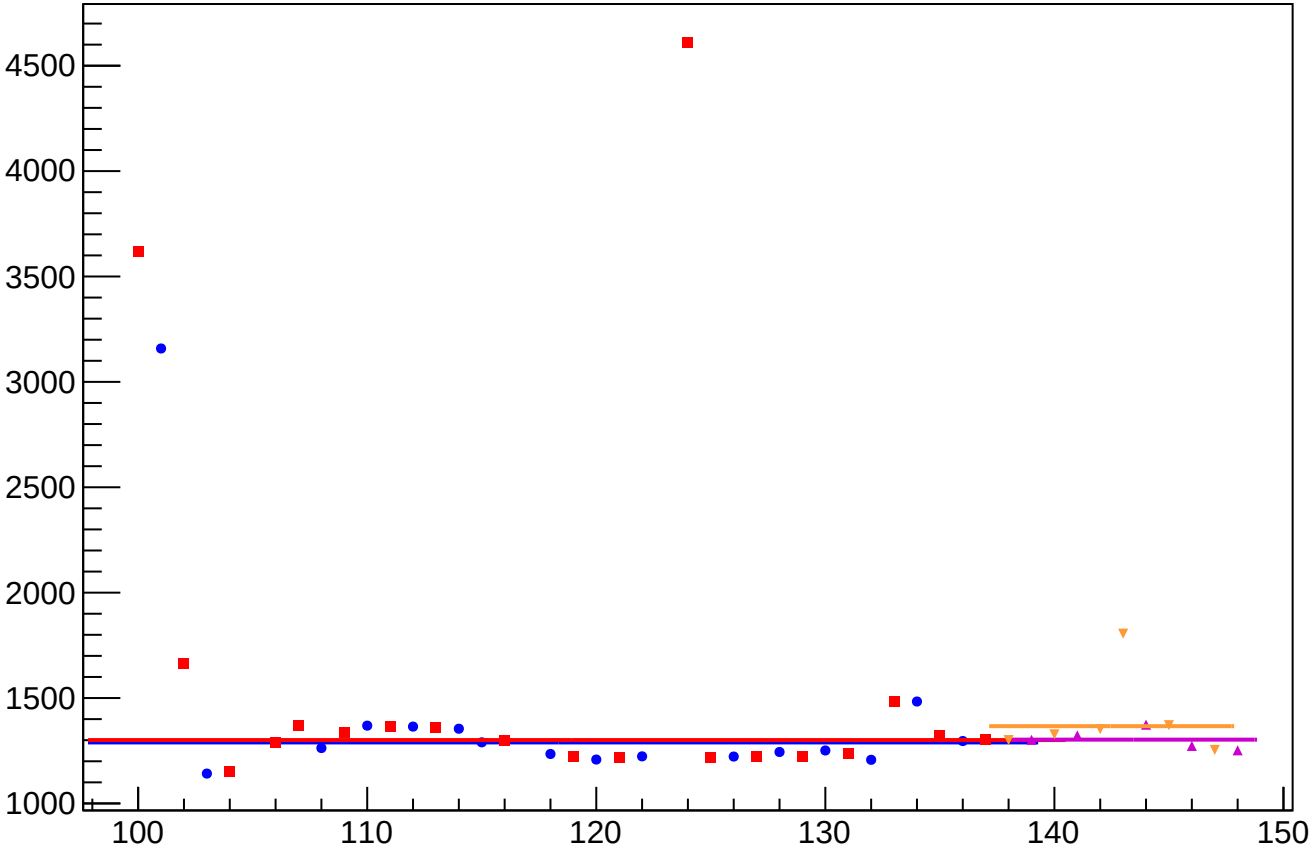
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

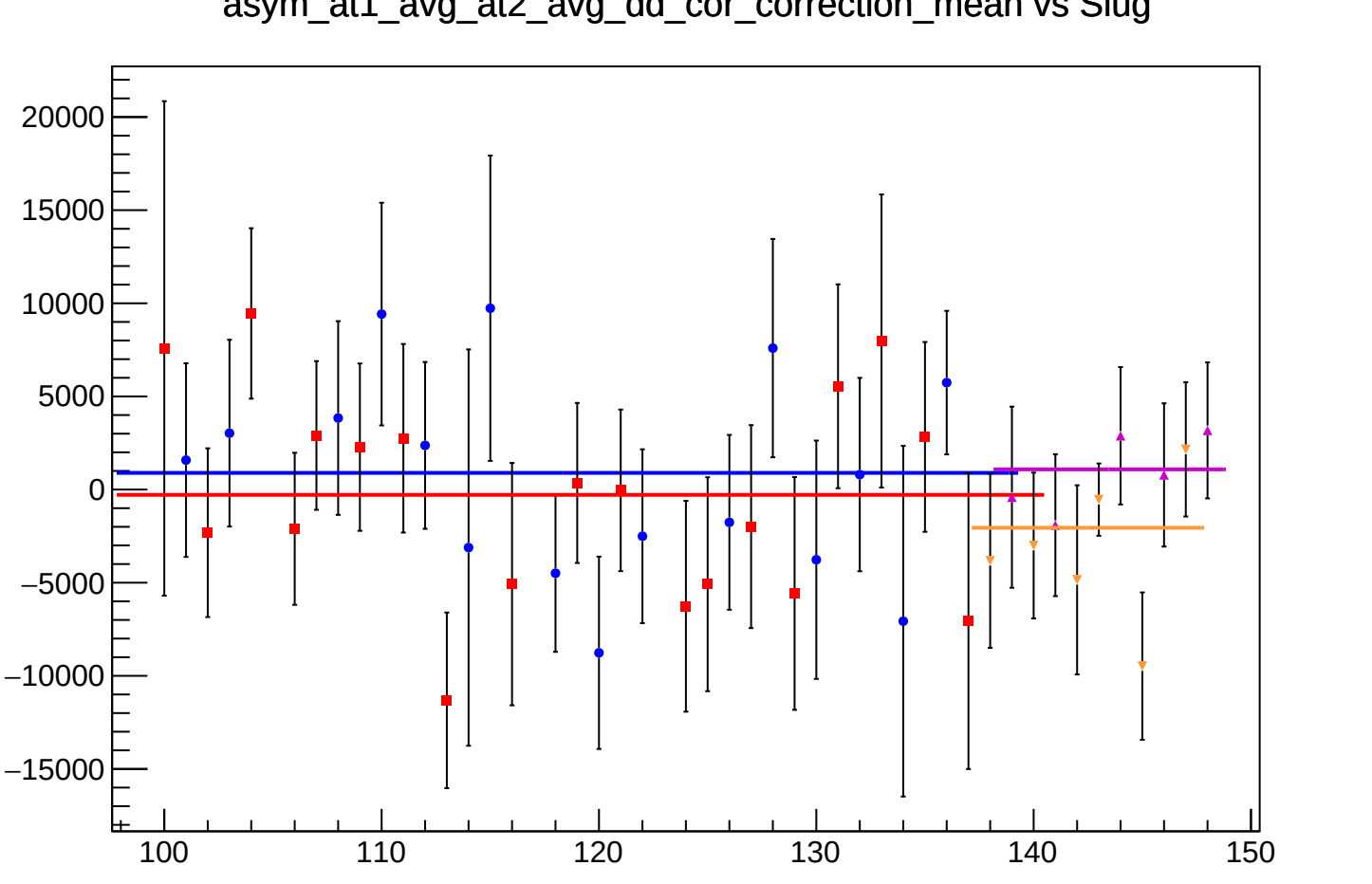
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23



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

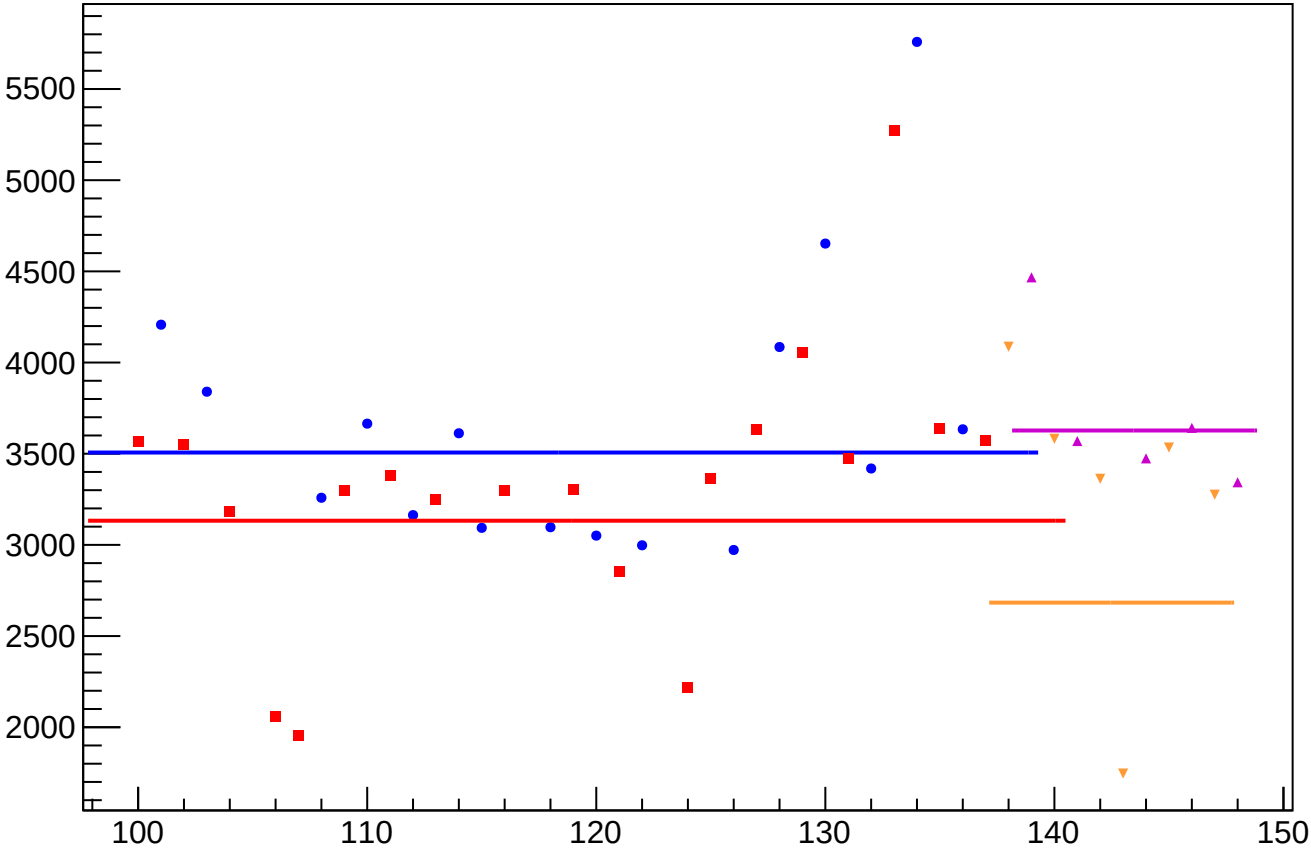
Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -221.354+/-679.140 χ^2/NDF: 43.1/45

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23

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

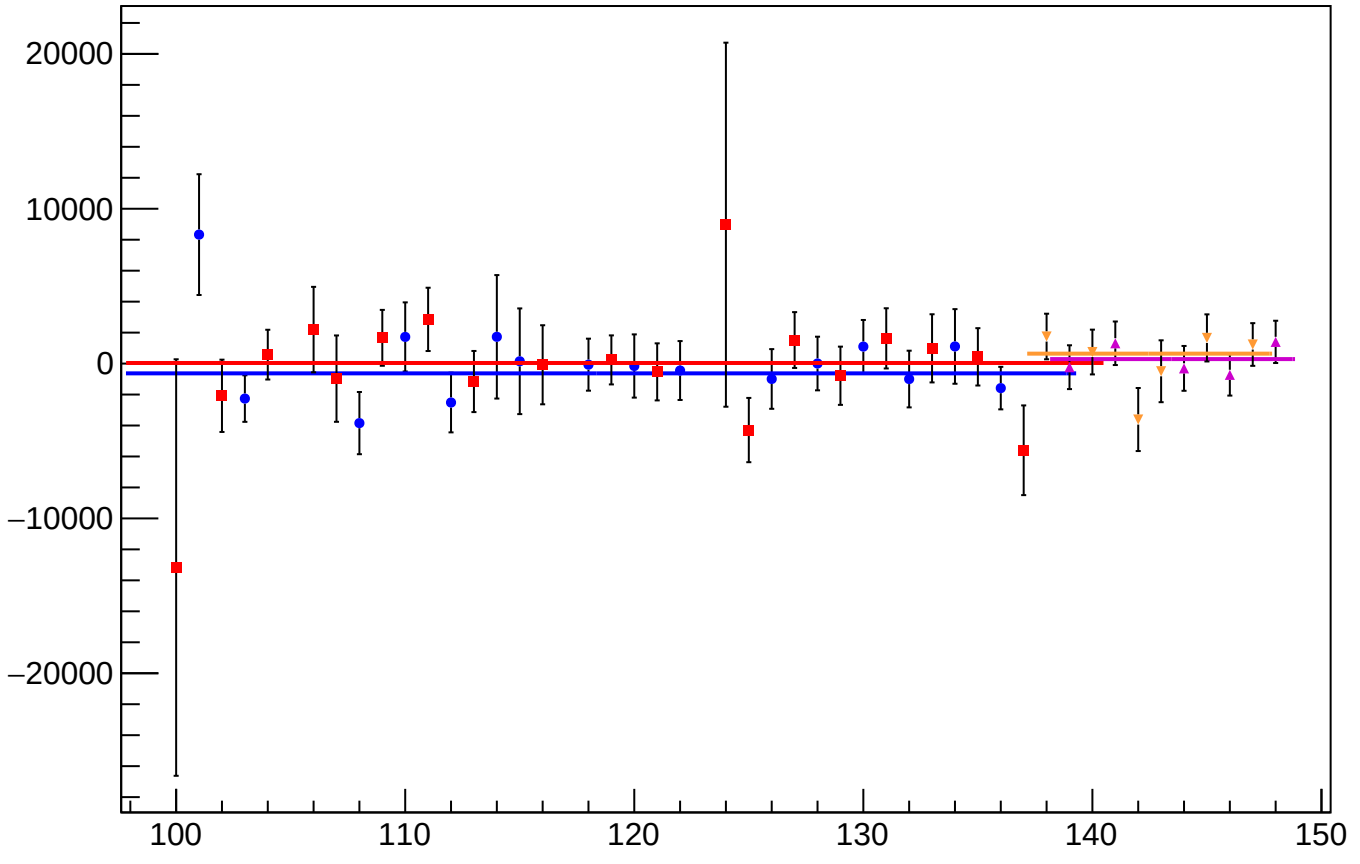
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23



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

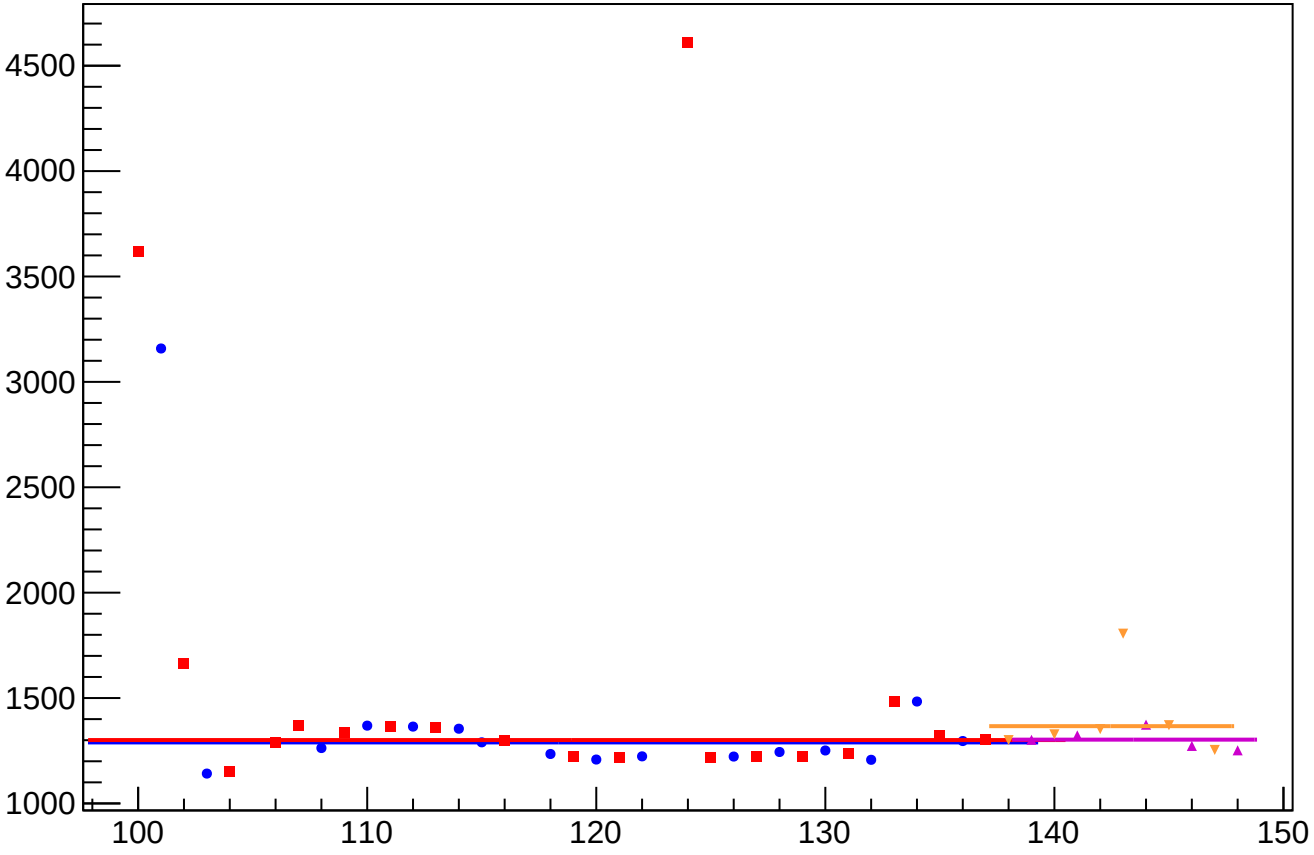
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

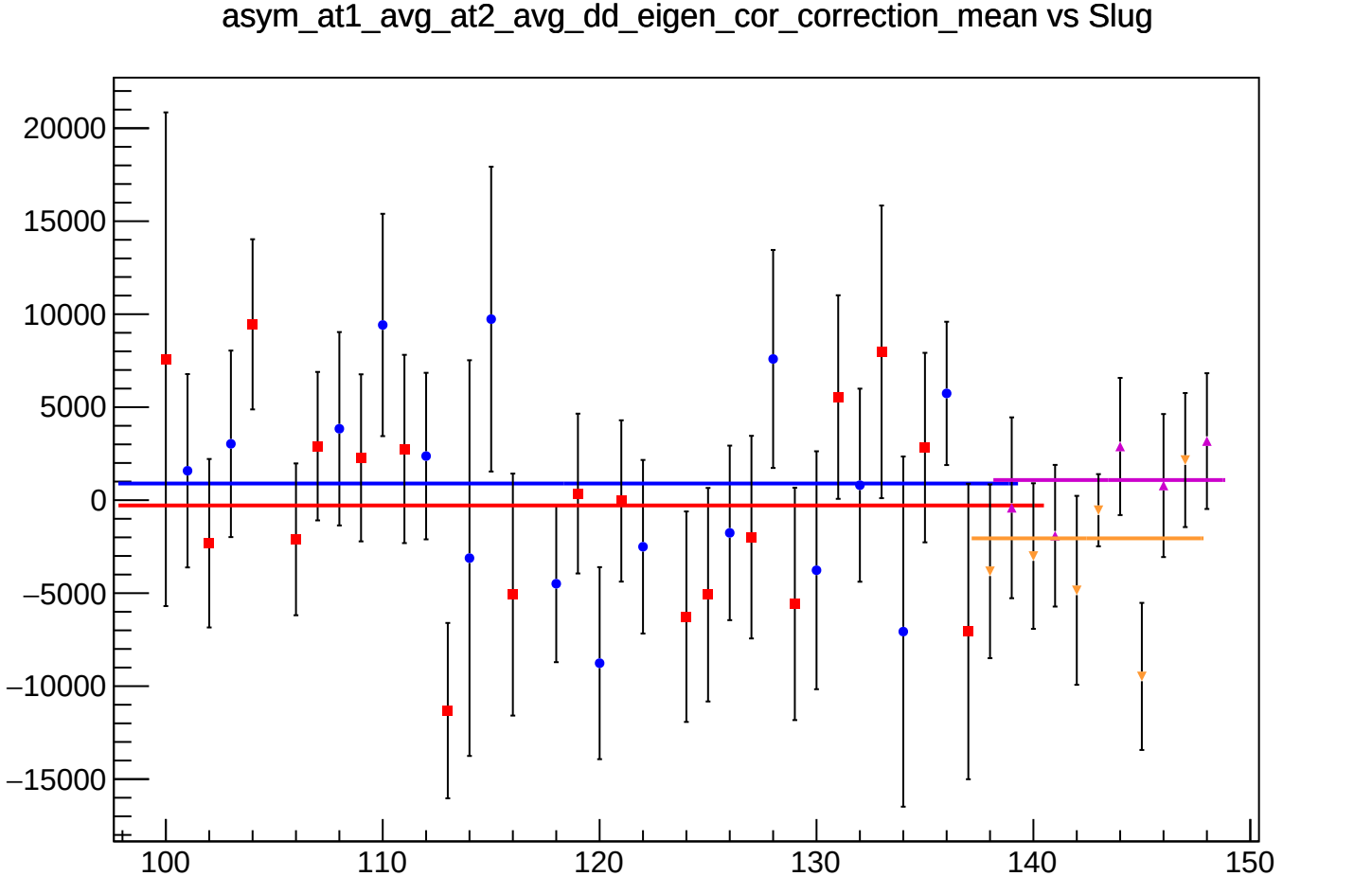
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

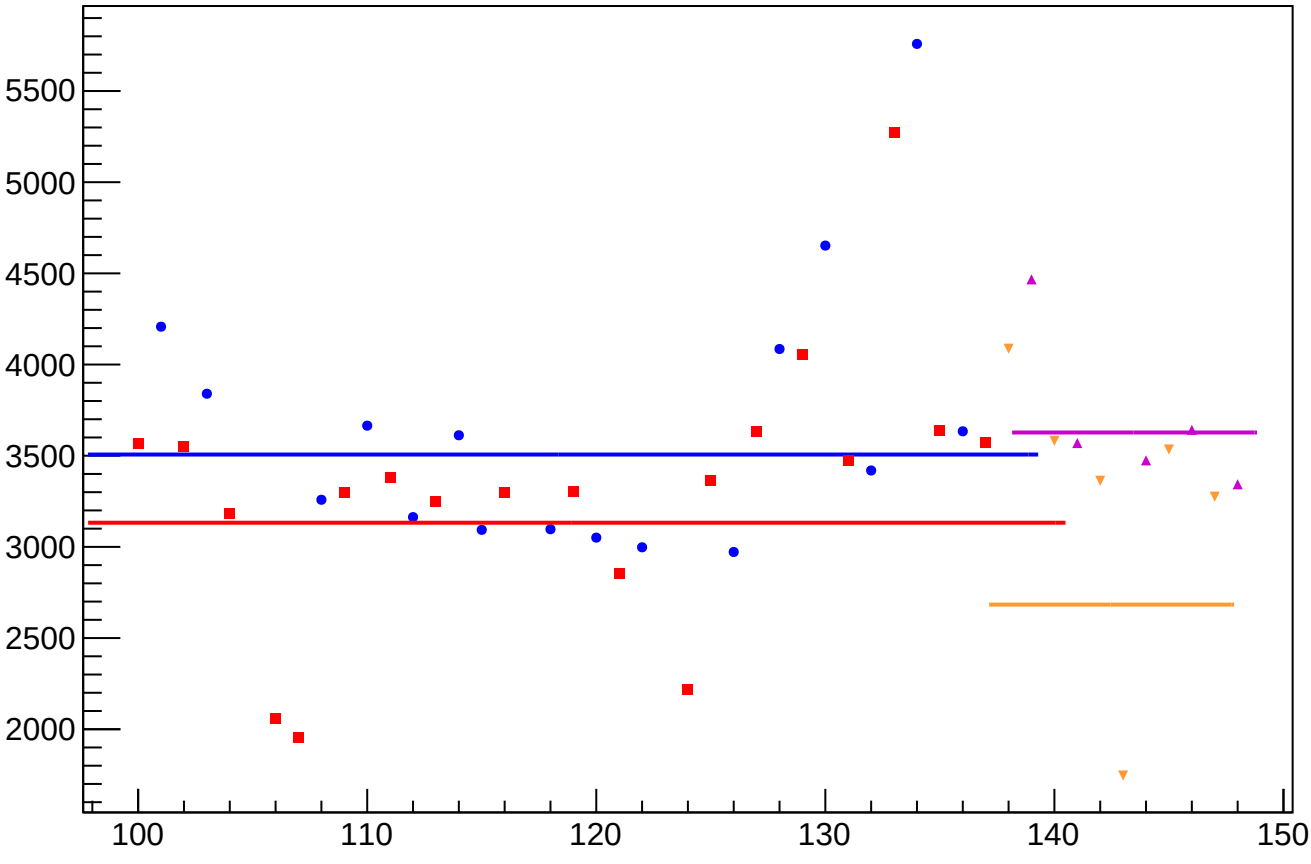
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -221.354+/-679.140 χ^2/NDF: 43.1/45

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

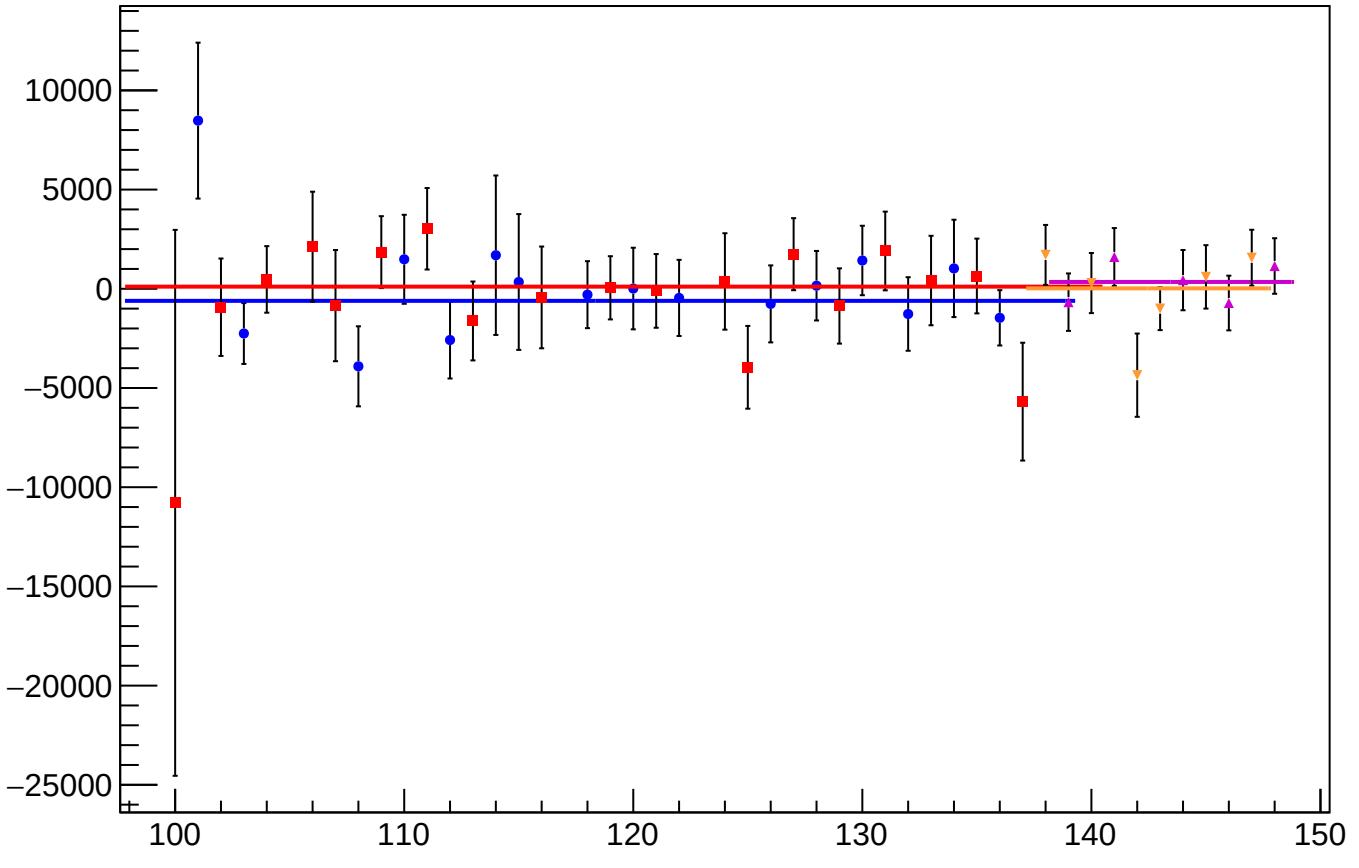
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23



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

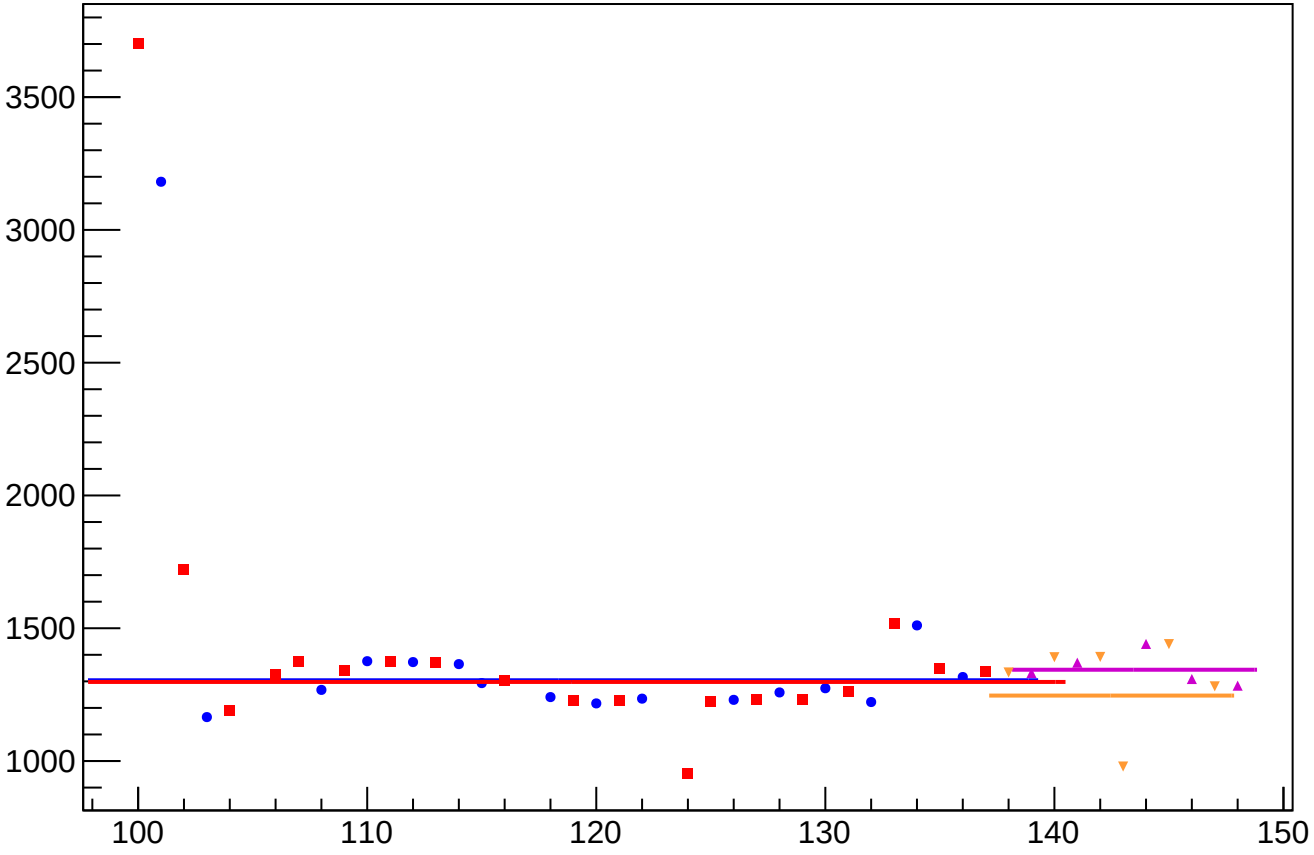
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -83.381+/-271.136 χ^2/NDF: 40.8/45

- sign 194.201+/-387.491 χ^2/NDF: 17.1/23

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

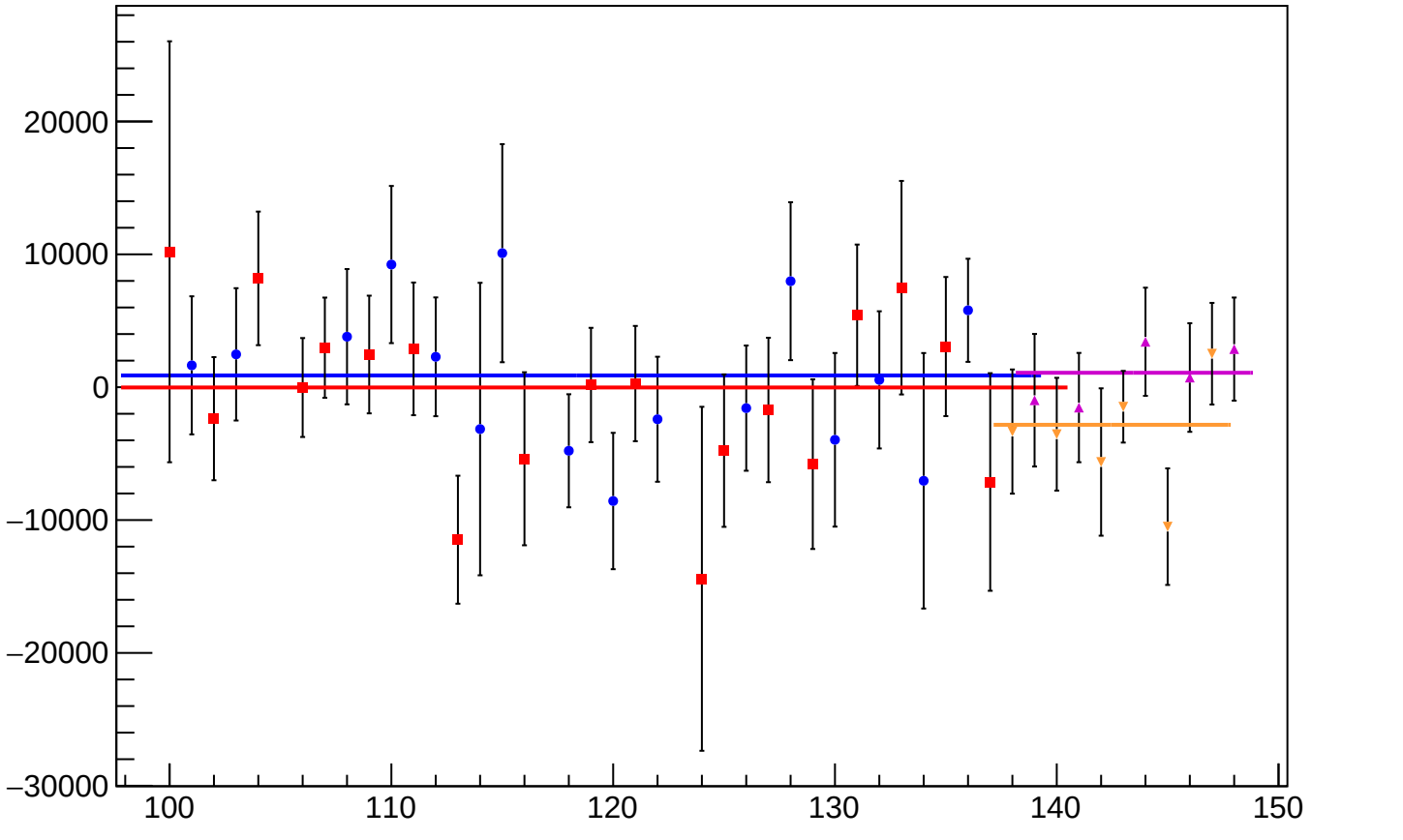
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45

- sign 1314.467+/-0.274 χ^2/NDF: 233563.7/23



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

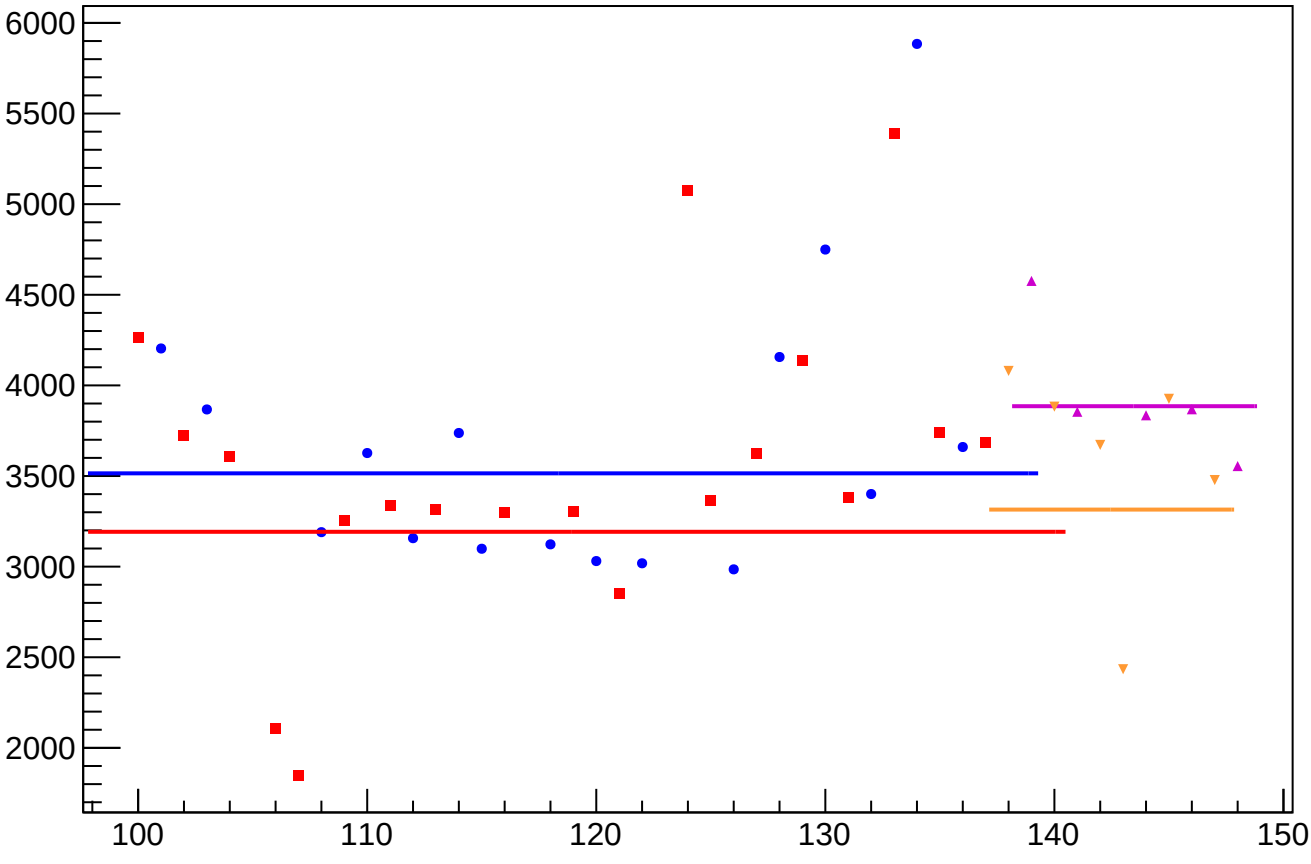
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -159.720+/-718.057 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.935 χ^2/NDF: 18.2/23



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

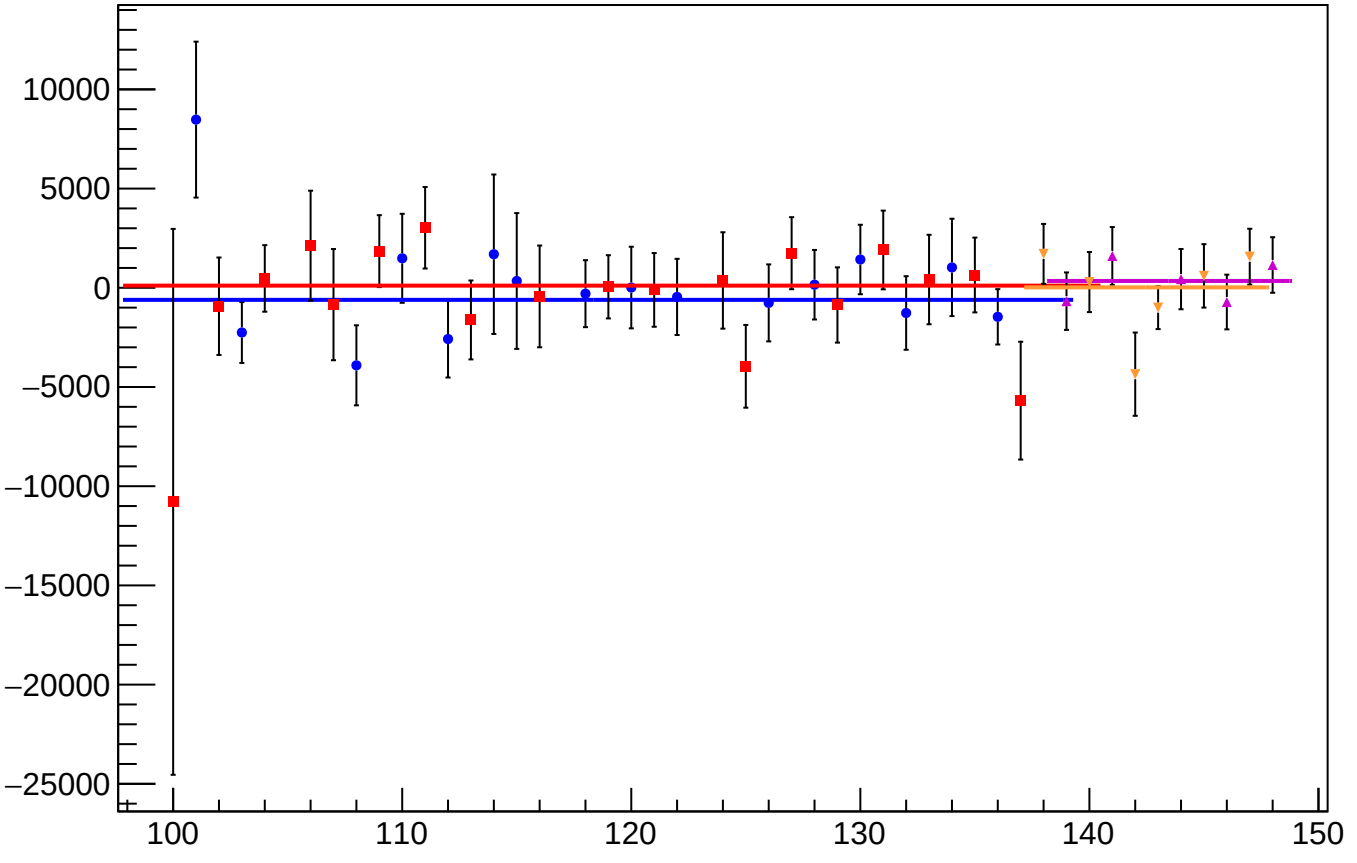
Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3433.109+/-0.722 χ^2/NDF: 747012.4/21

All: 3413.518+/-0.508 χ^2/NDF: 1768888.1/45

- sign 3394.354+/-0.714 χ^2/NDF: 1020419.4/23

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

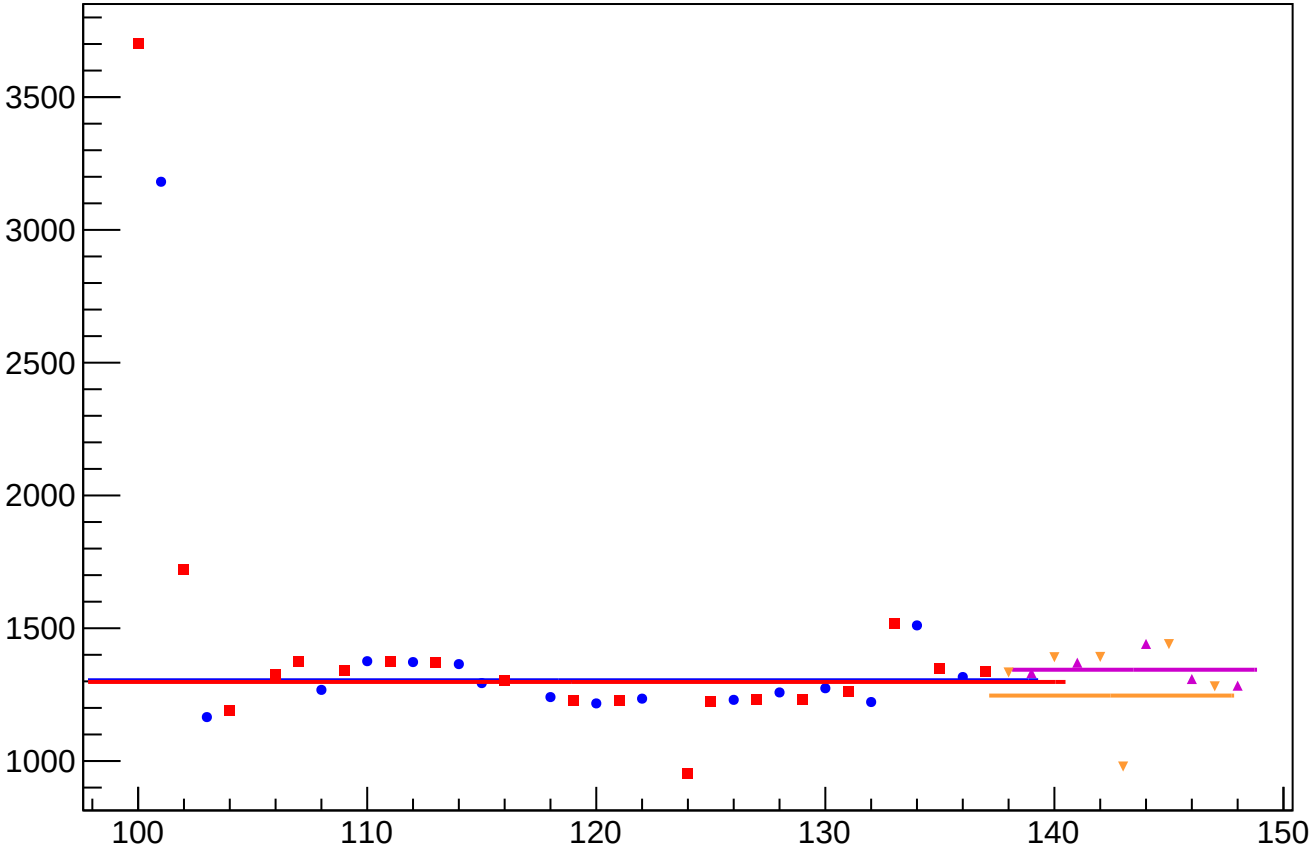
Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -83.382+/-271.136 χ^2/NDF: 40.8/45

- sign 194.204+/-387.491 χ^2/NDF: 17.1/23

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

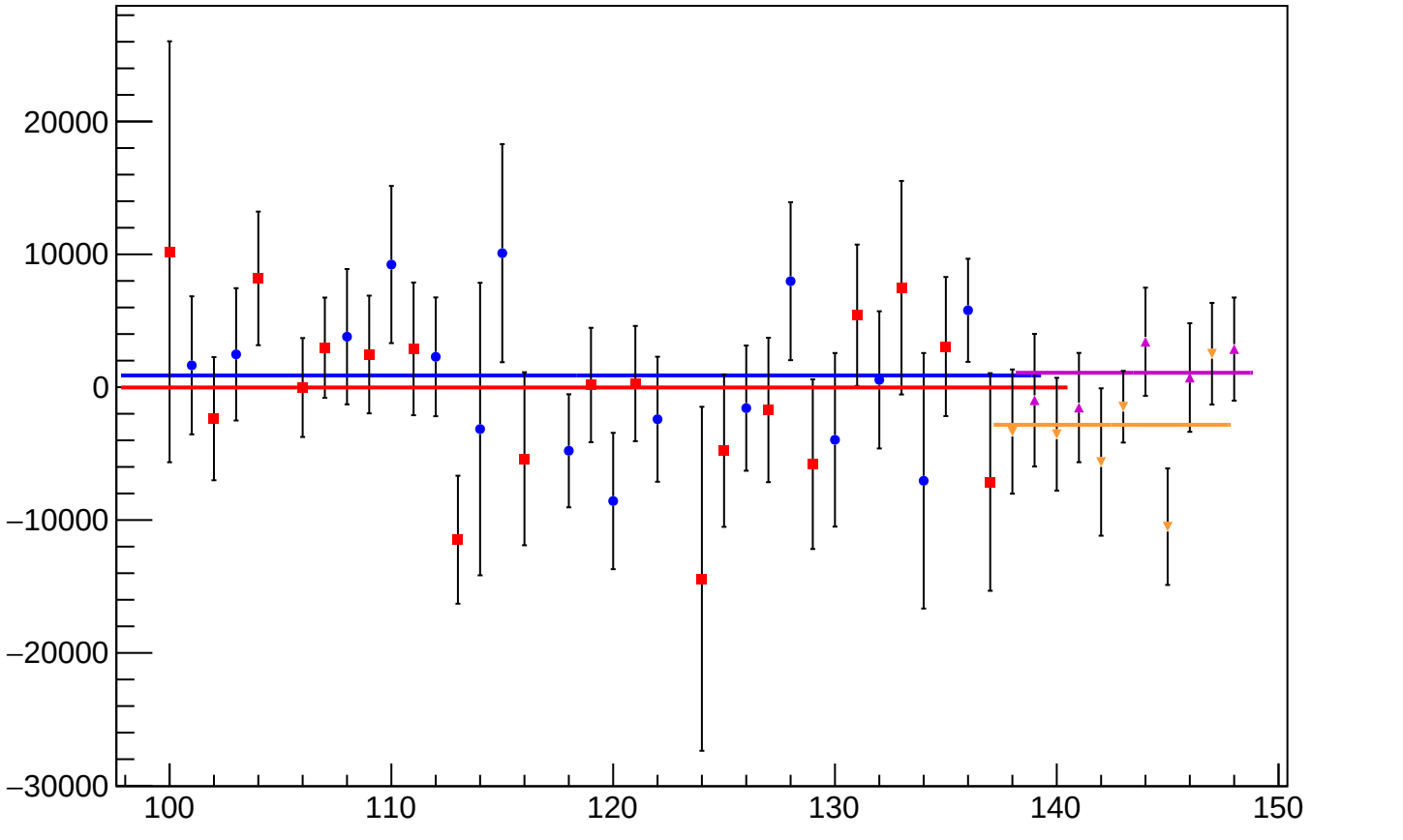
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45

- sign 1314.467+/-0.274 χ^2/NDF: 233564.1/23



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

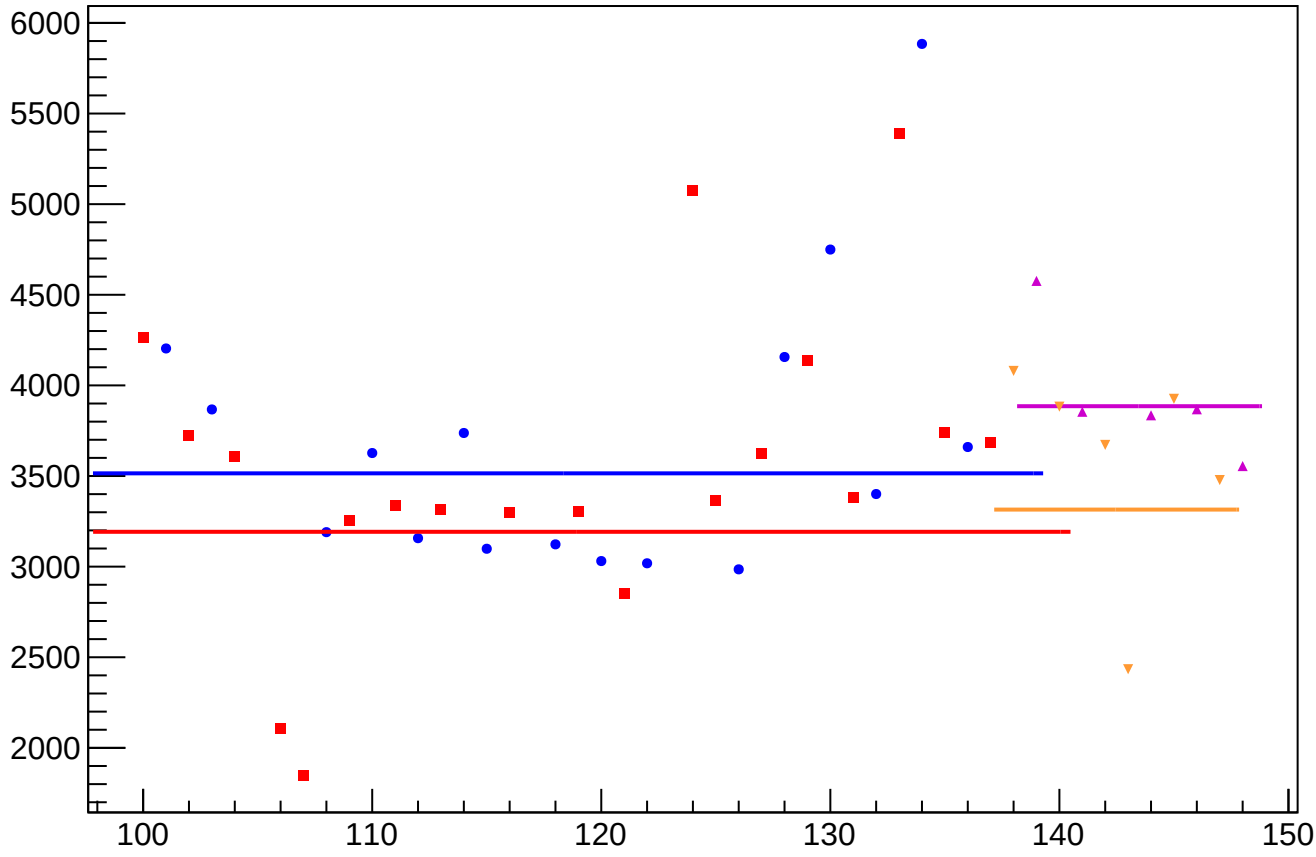
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -159.720+/-718.056 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.934 χ^2/NDF: 18.2/23



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

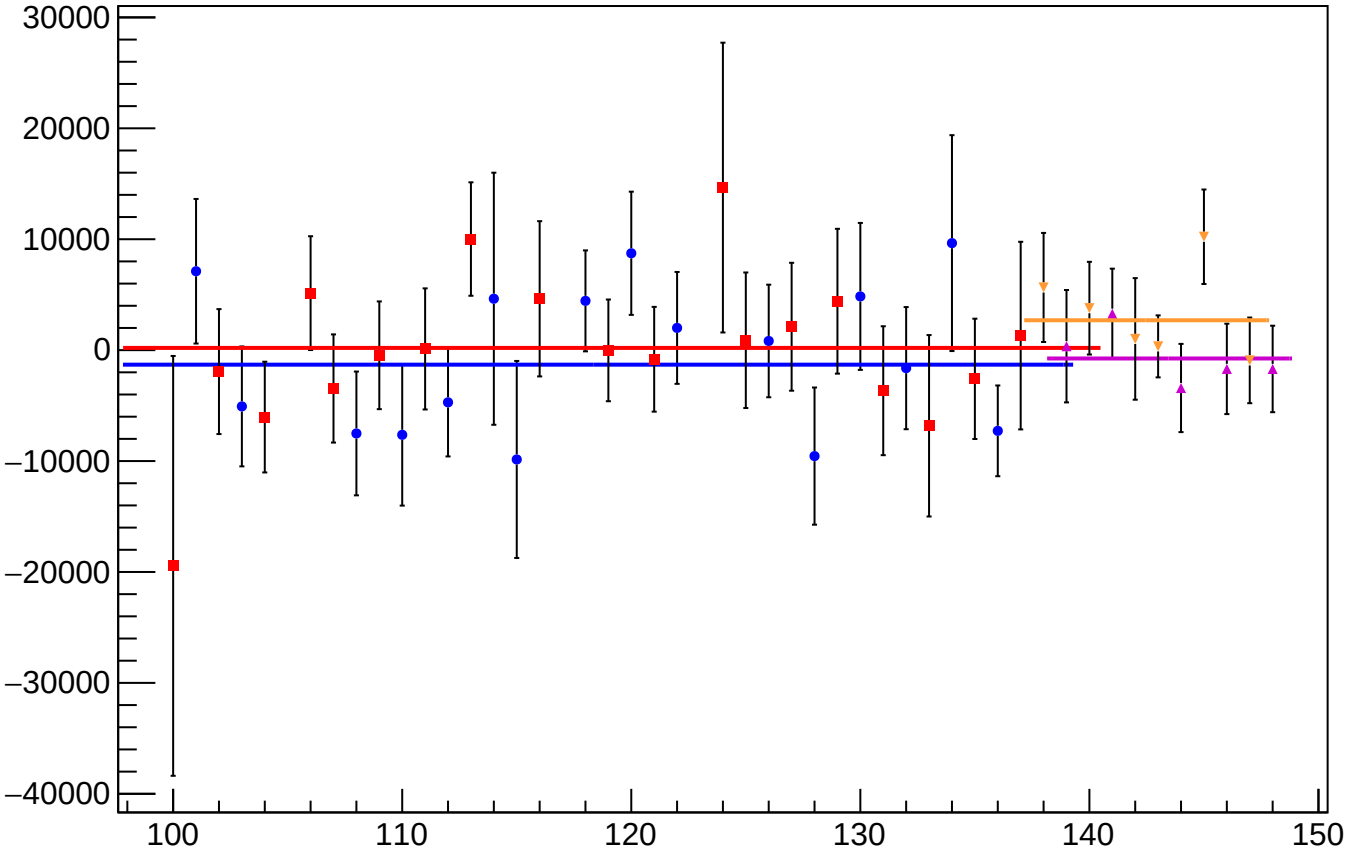
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45

- sign 3394.349+/-0.714 χ^2/NDF: 1020429.9/23

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

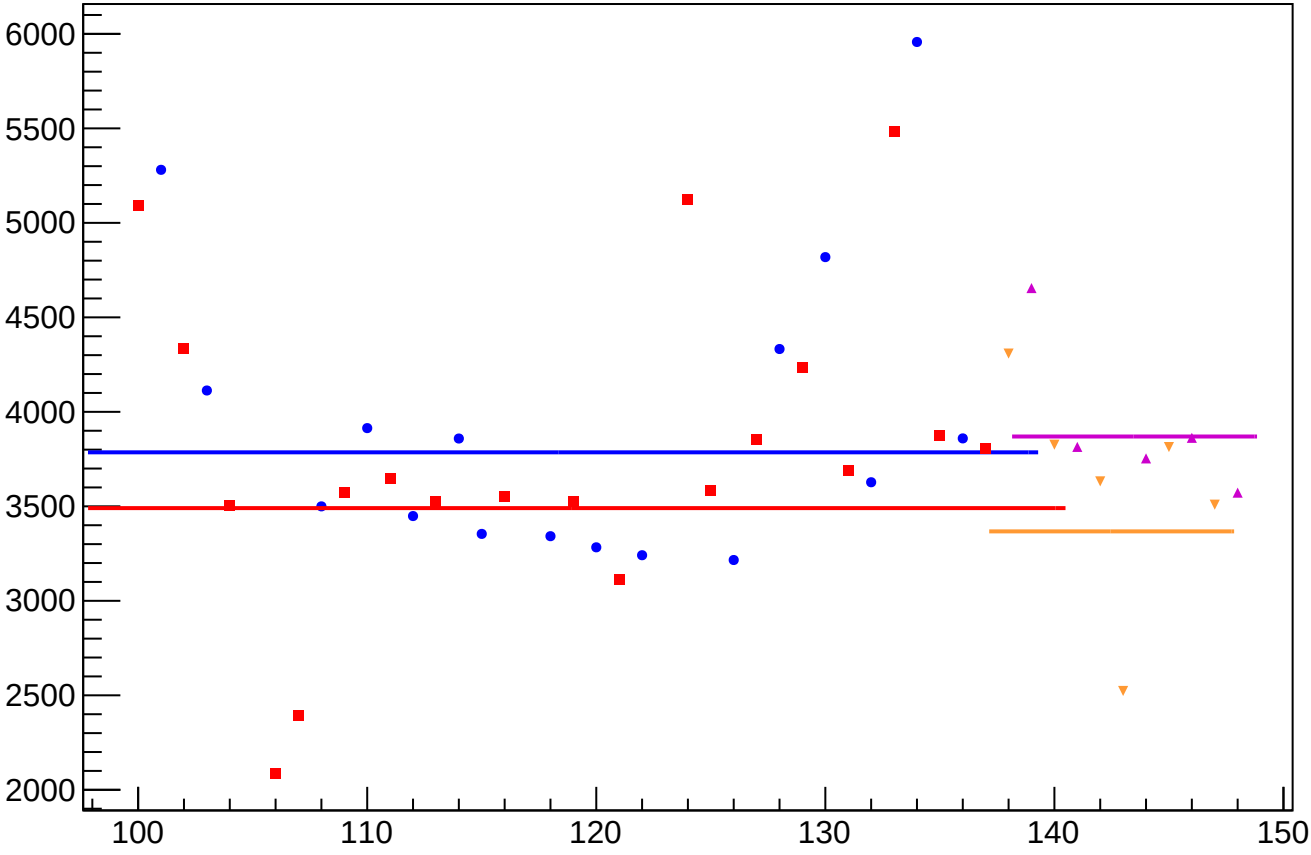
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 166.614+/-762.728 χ^2/NDF: 39.8/45

- sign -122.638+/-1085.378 χ^2/NDF: 13.4/23

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

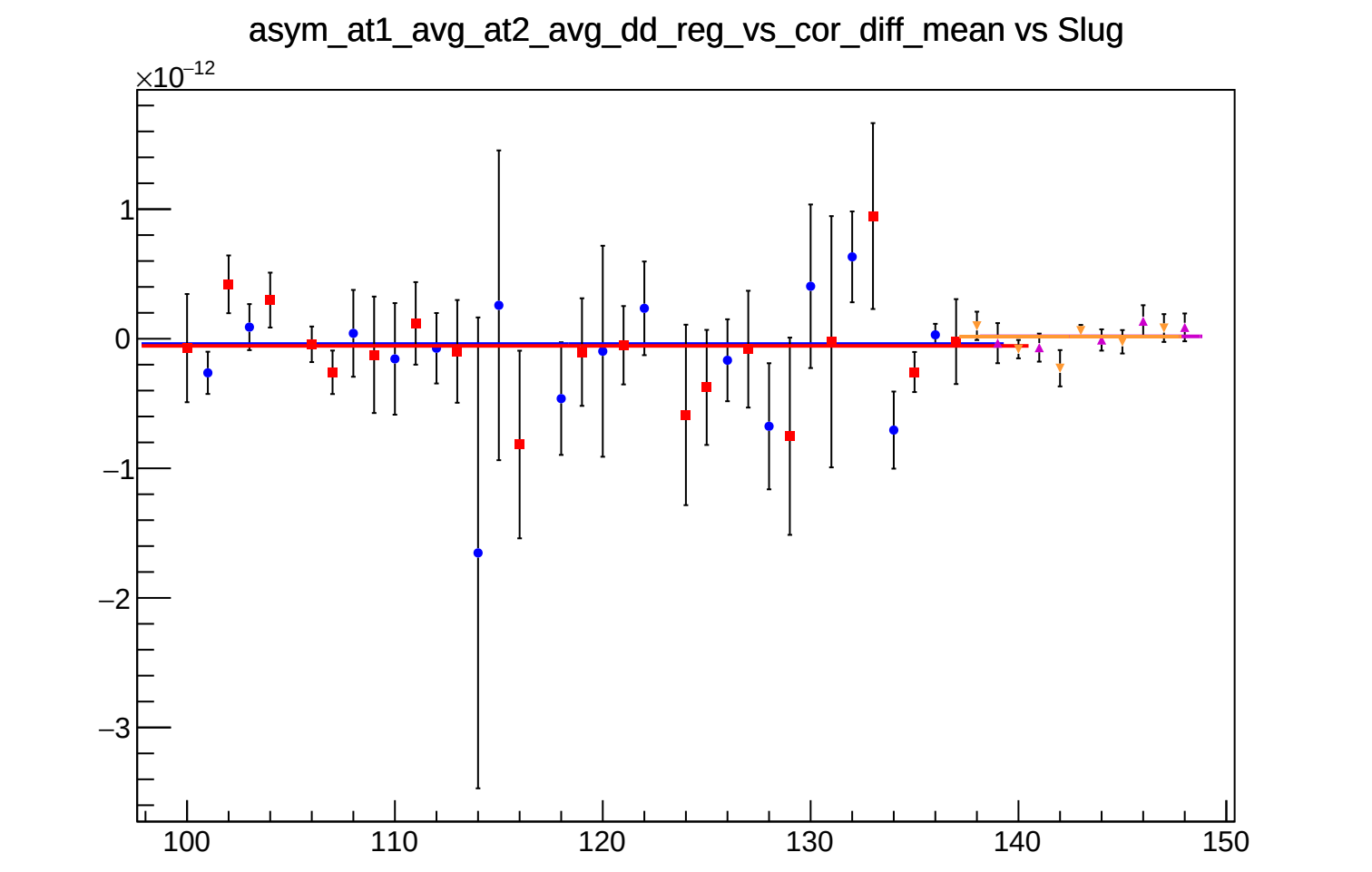
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

\+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45

\- sign 3617.141+/-0.761 χ^2/NDF: 703698.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

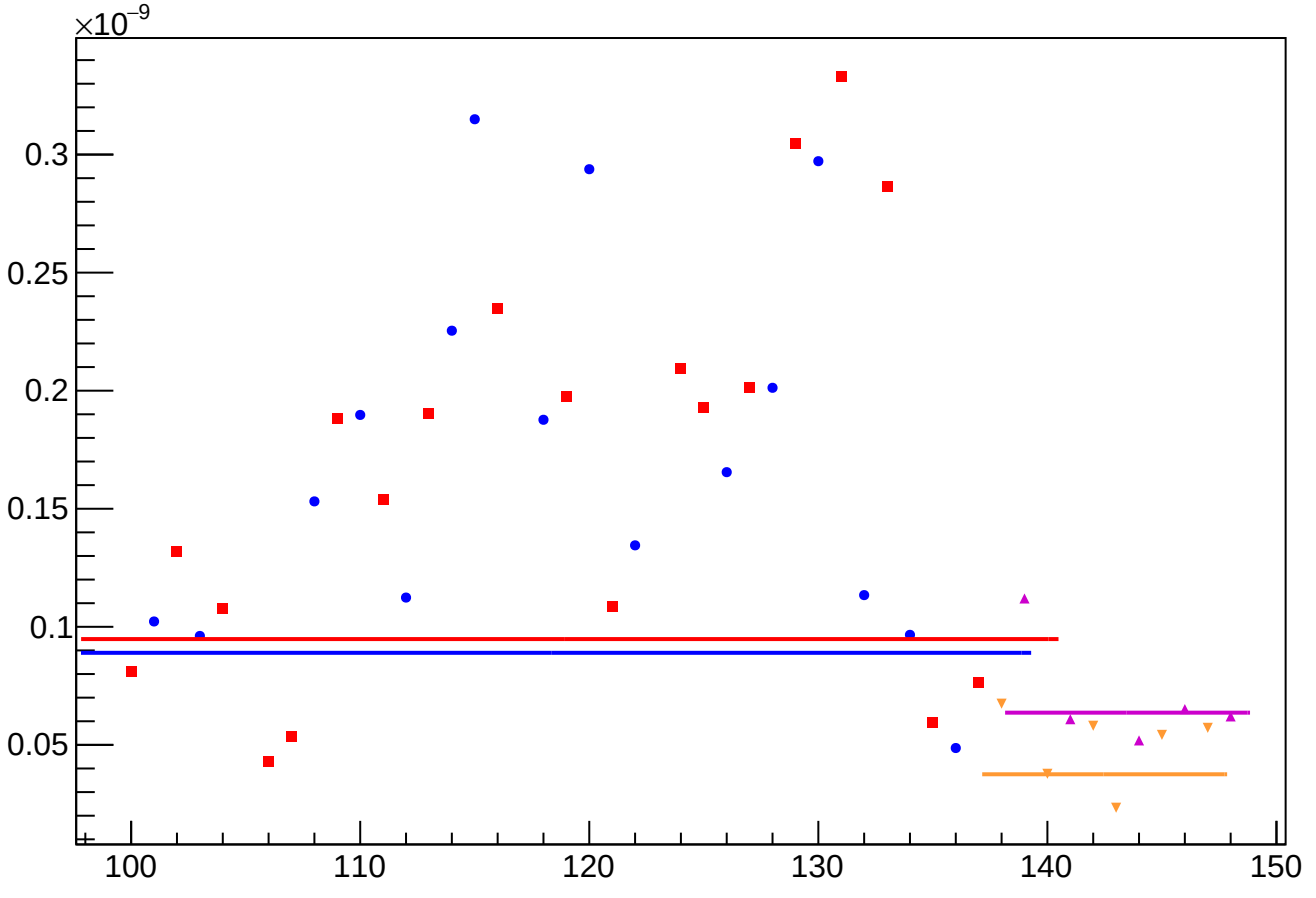
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: 0.000+/-0.000 χ^2/NDF: 43.5/45

- sign -0.000+/-0.000 χ^2/NDF: 18.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

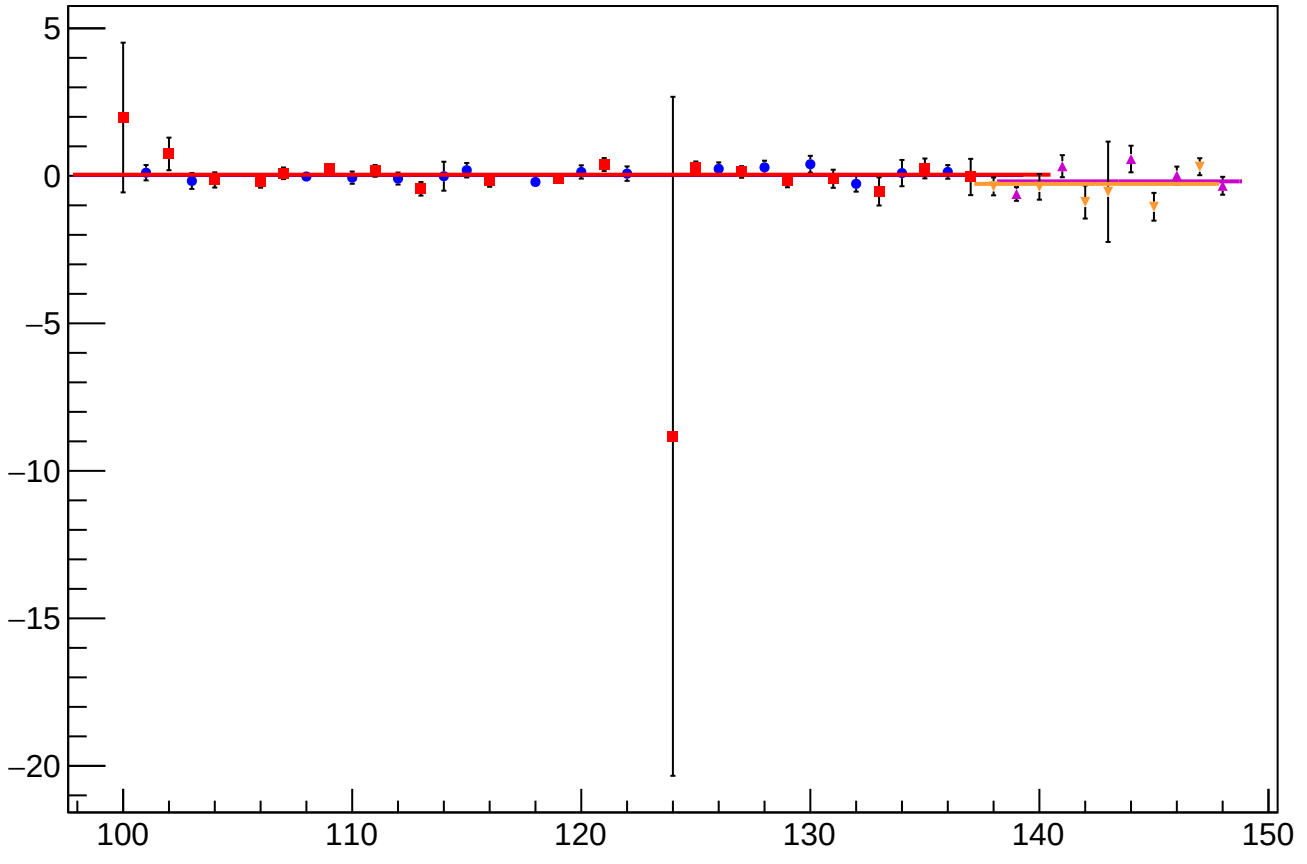
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2275329.8/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

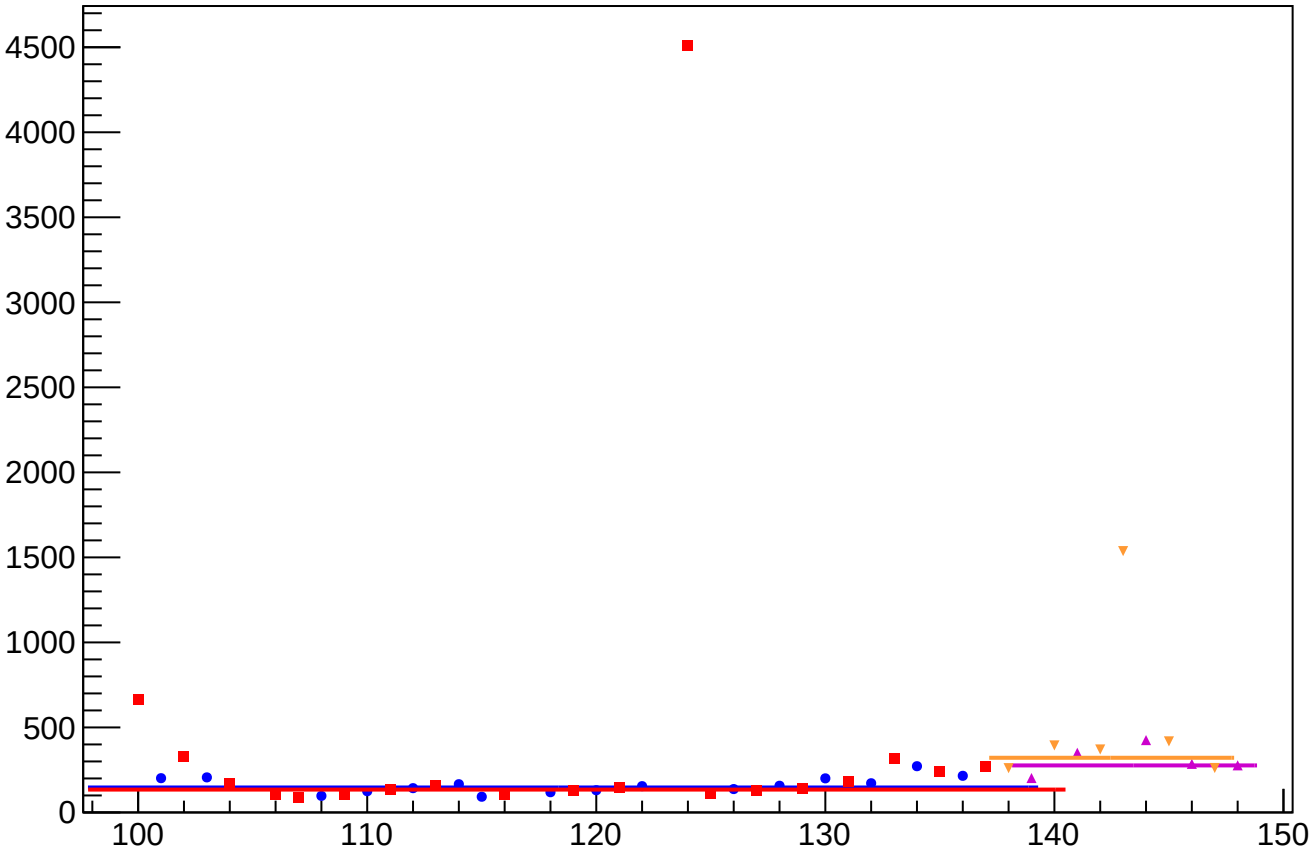
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

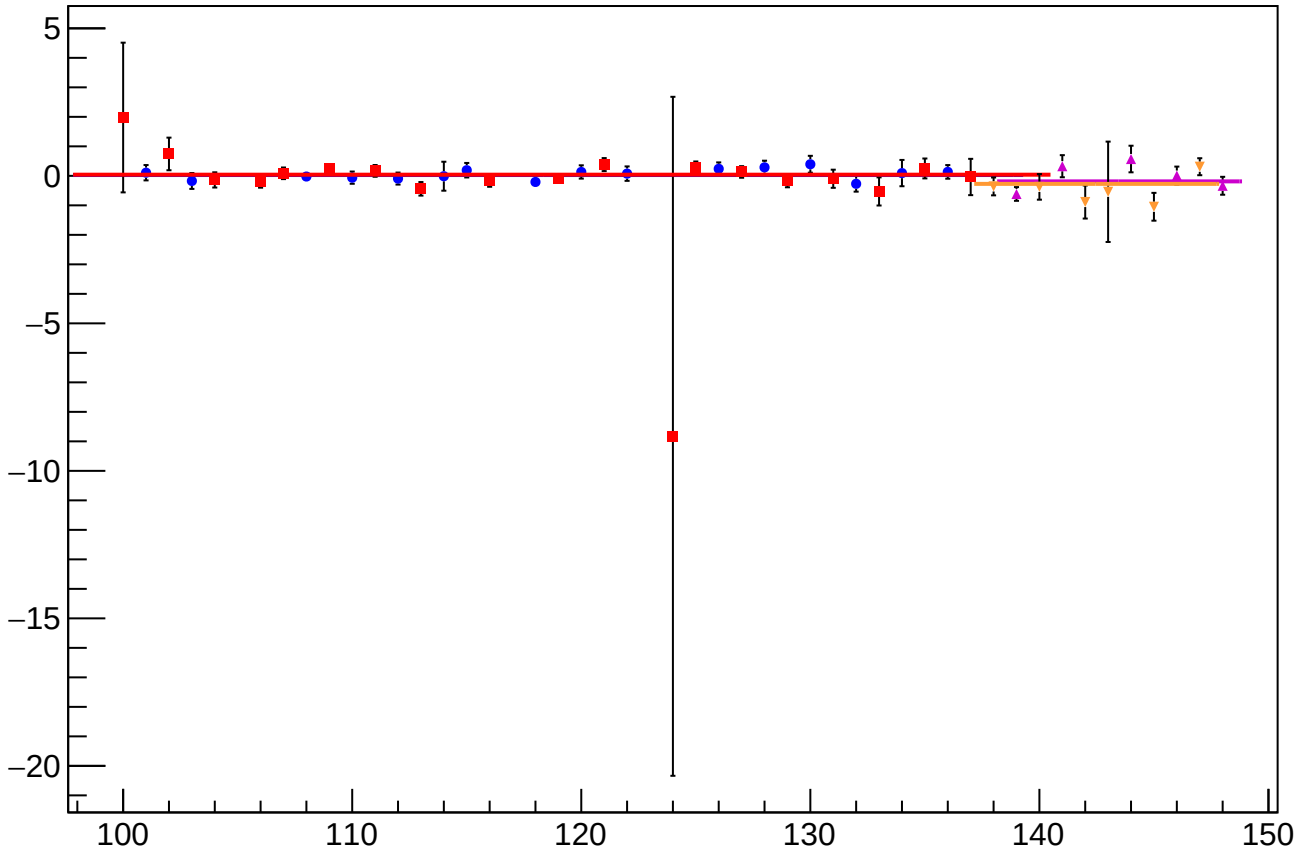
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

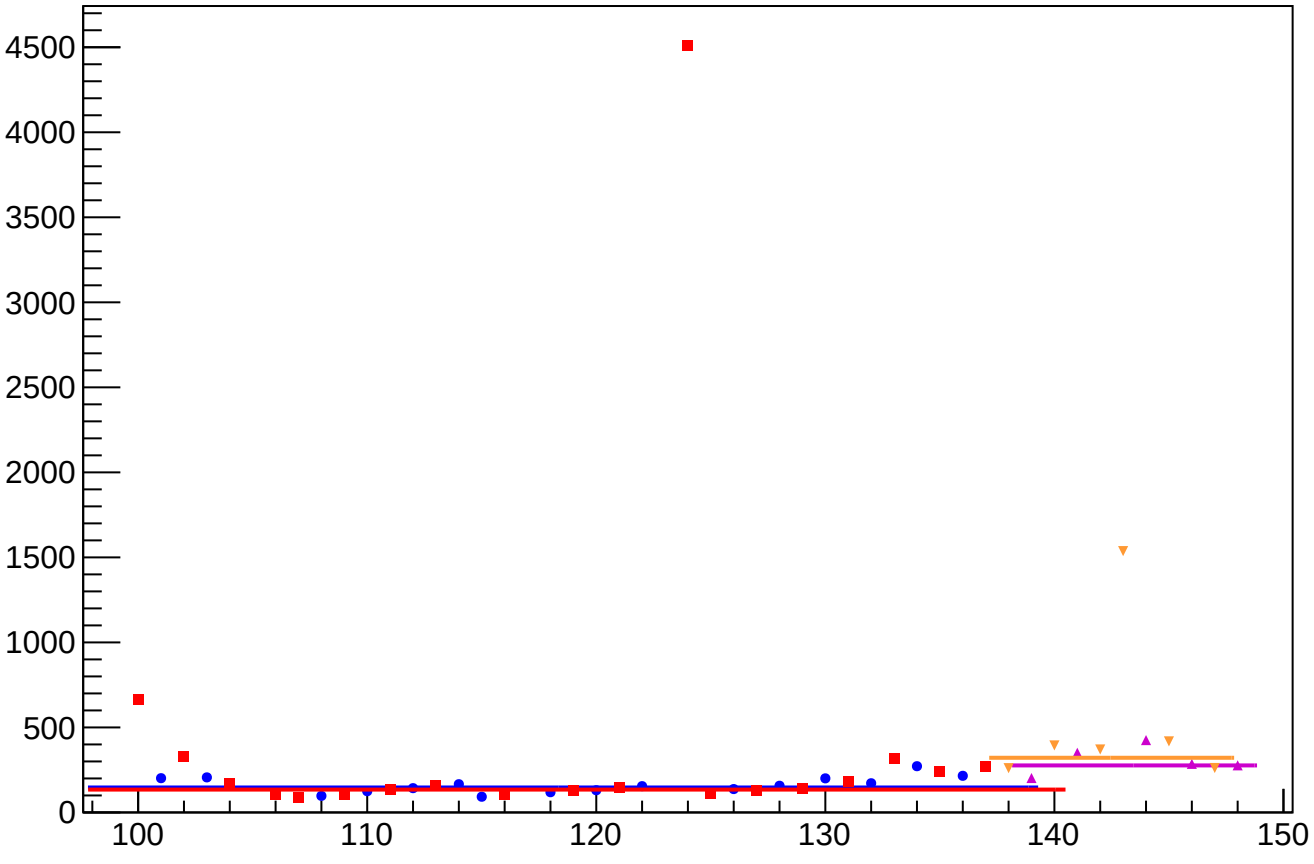
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

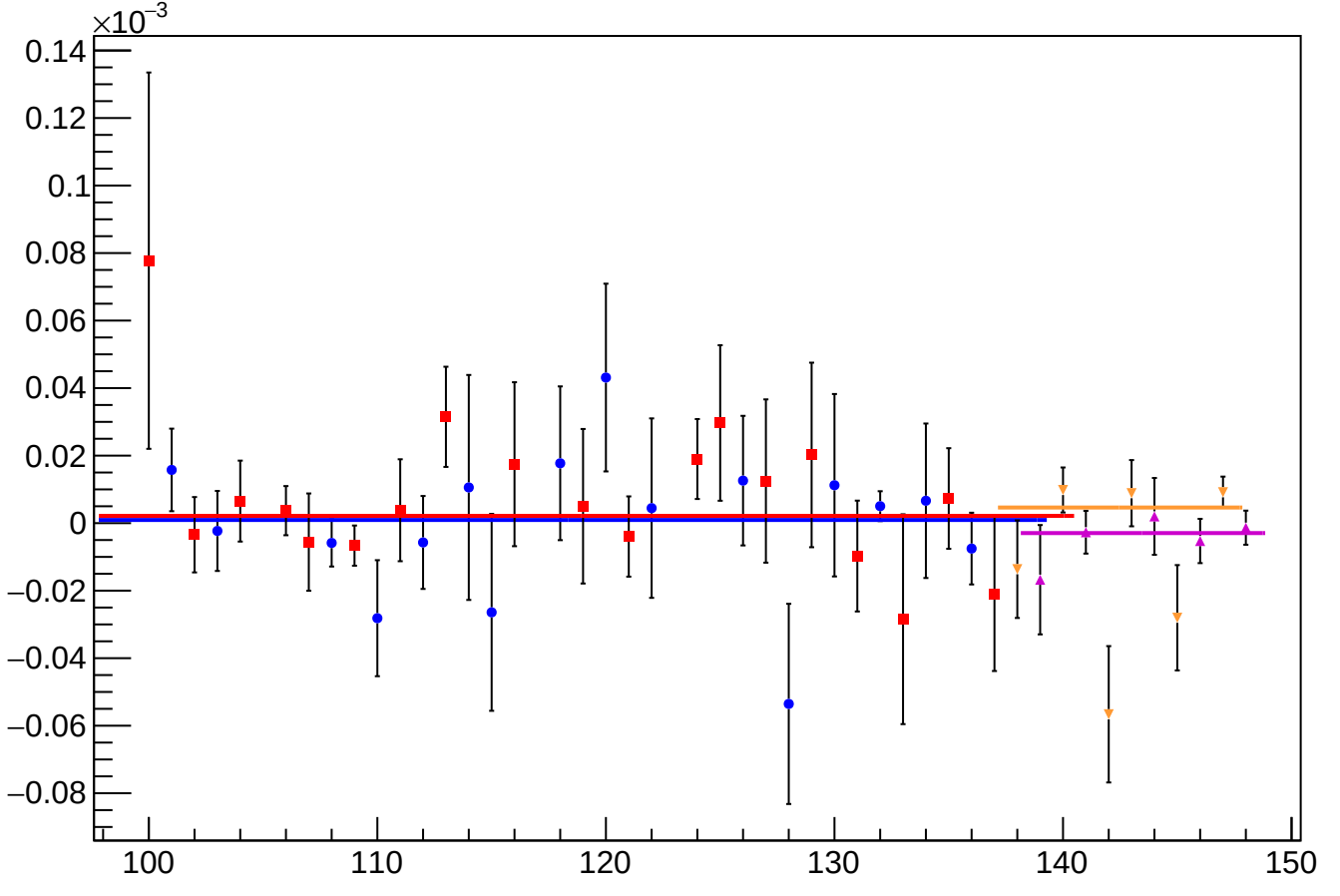
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

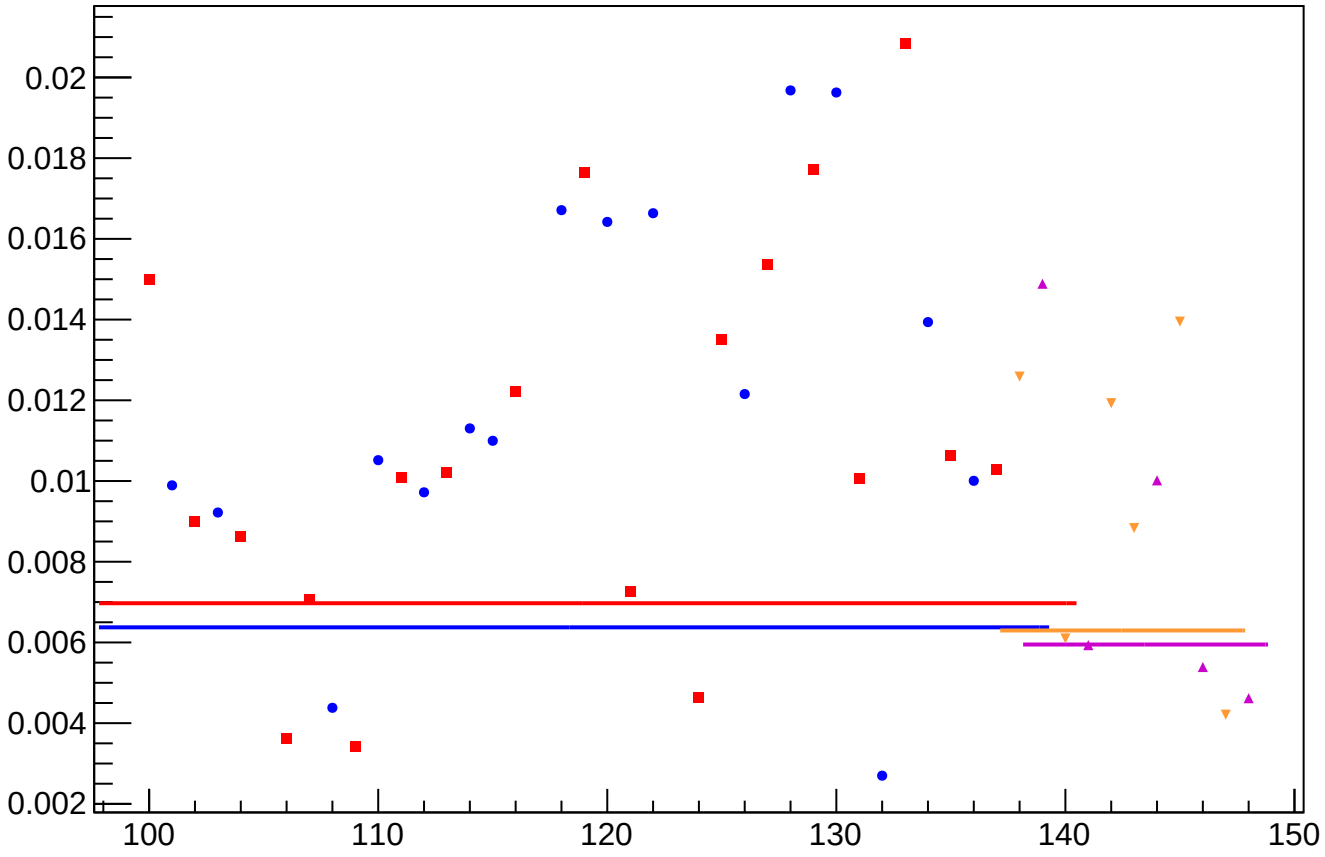
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 51.9/45

- sign -0.000+/-0.000 χ^2/NDF: 18.5/23



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

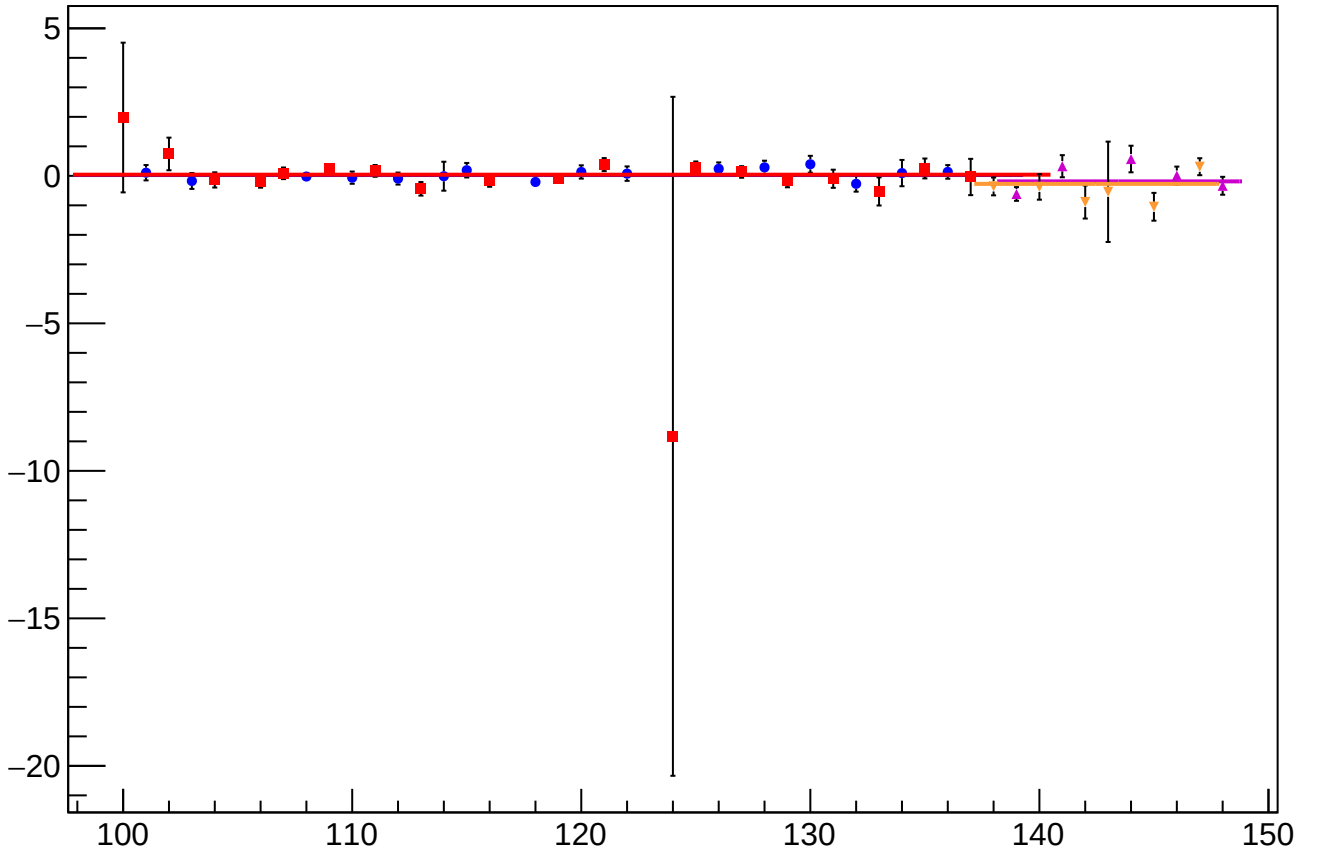
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6198103.6/21

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

- sign 0.006+/-0.000 χ^2/NDF: 4537208.2/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

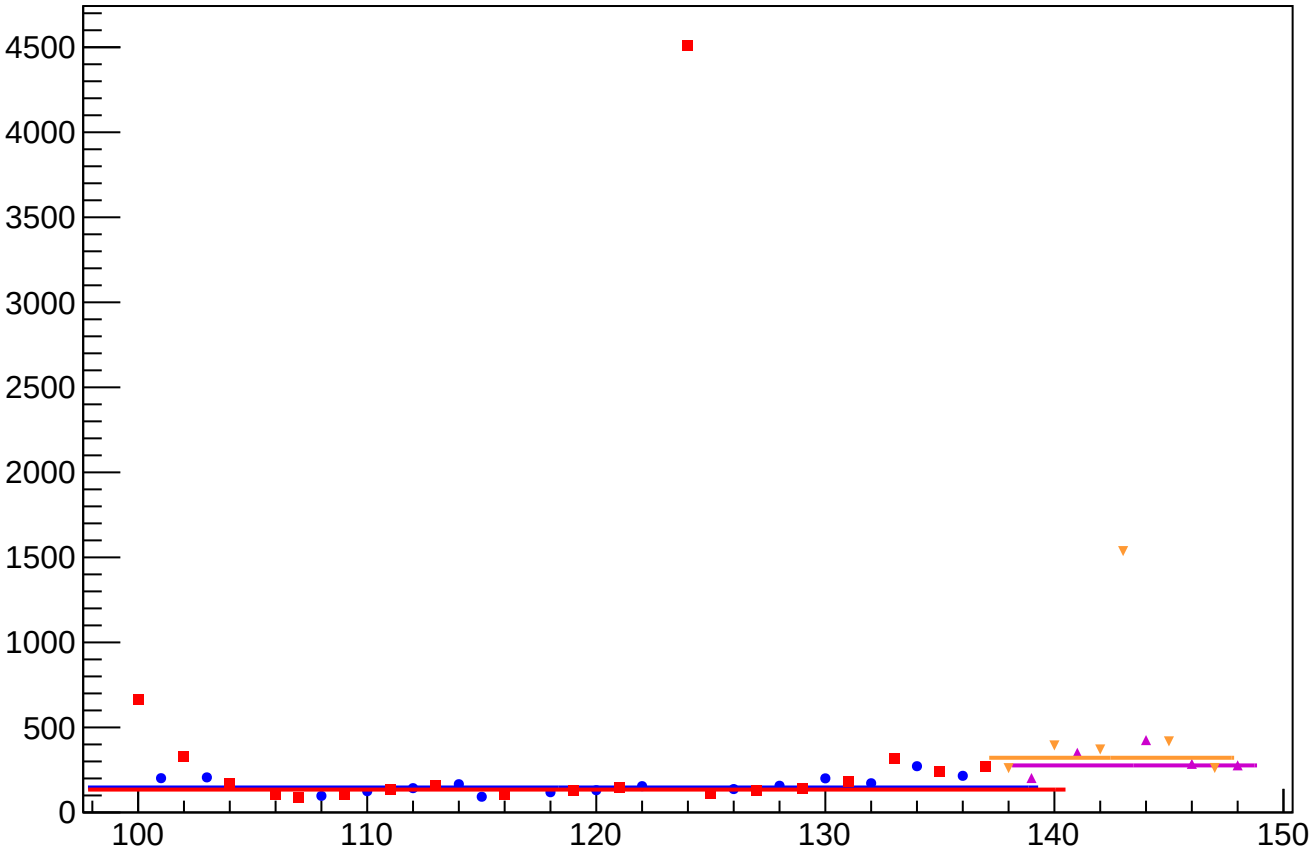
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

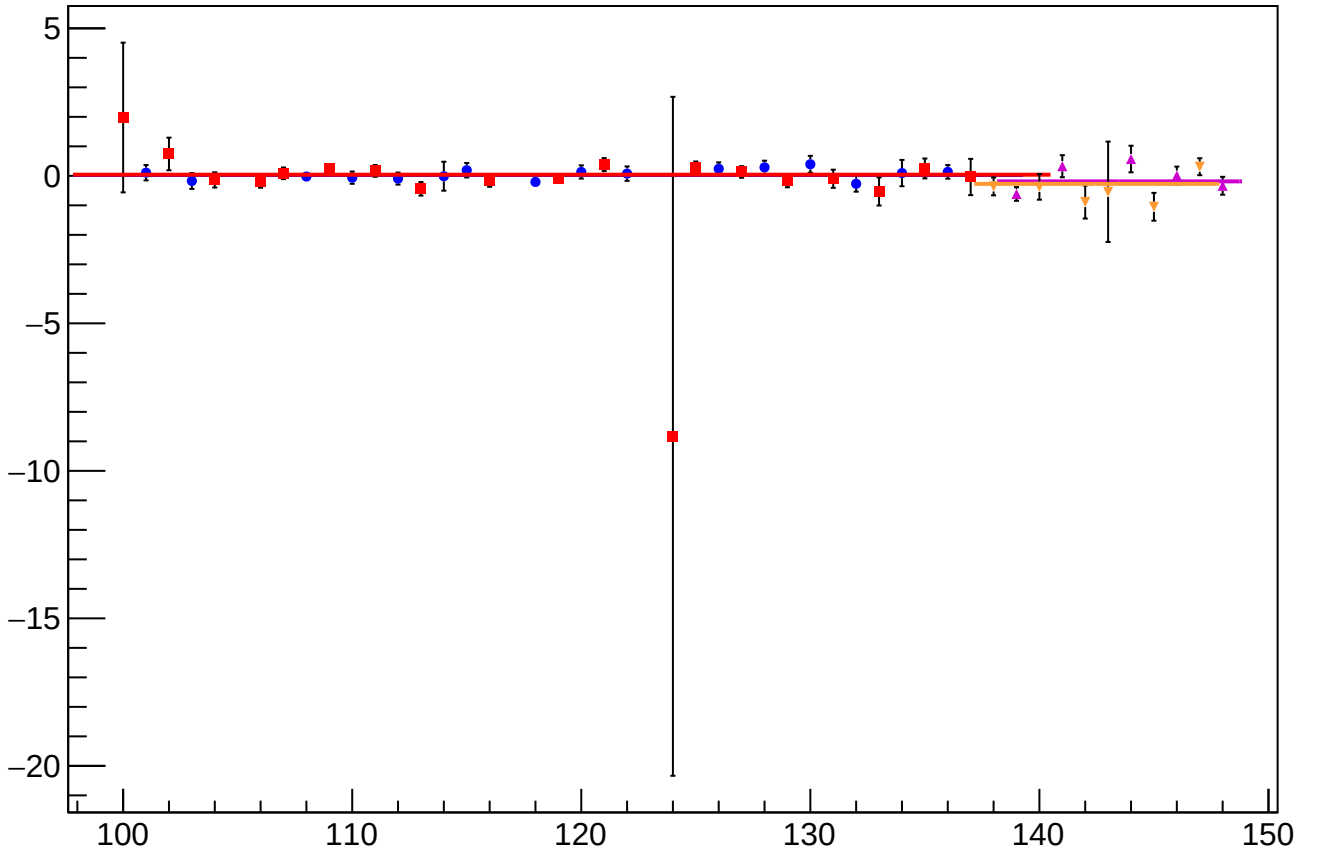
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

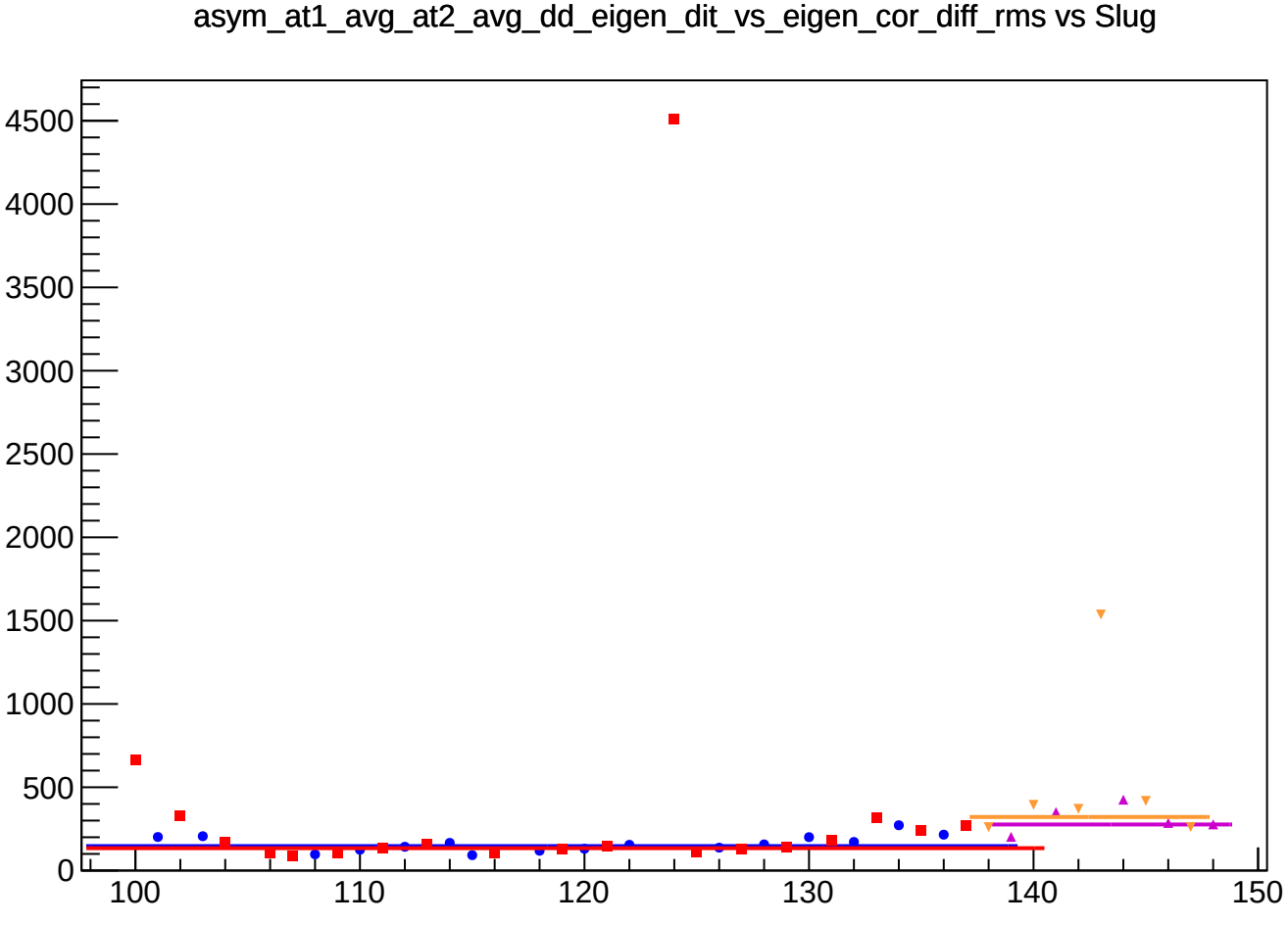
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.595+/-0.117 χ^2/NDF:1344790.1/5

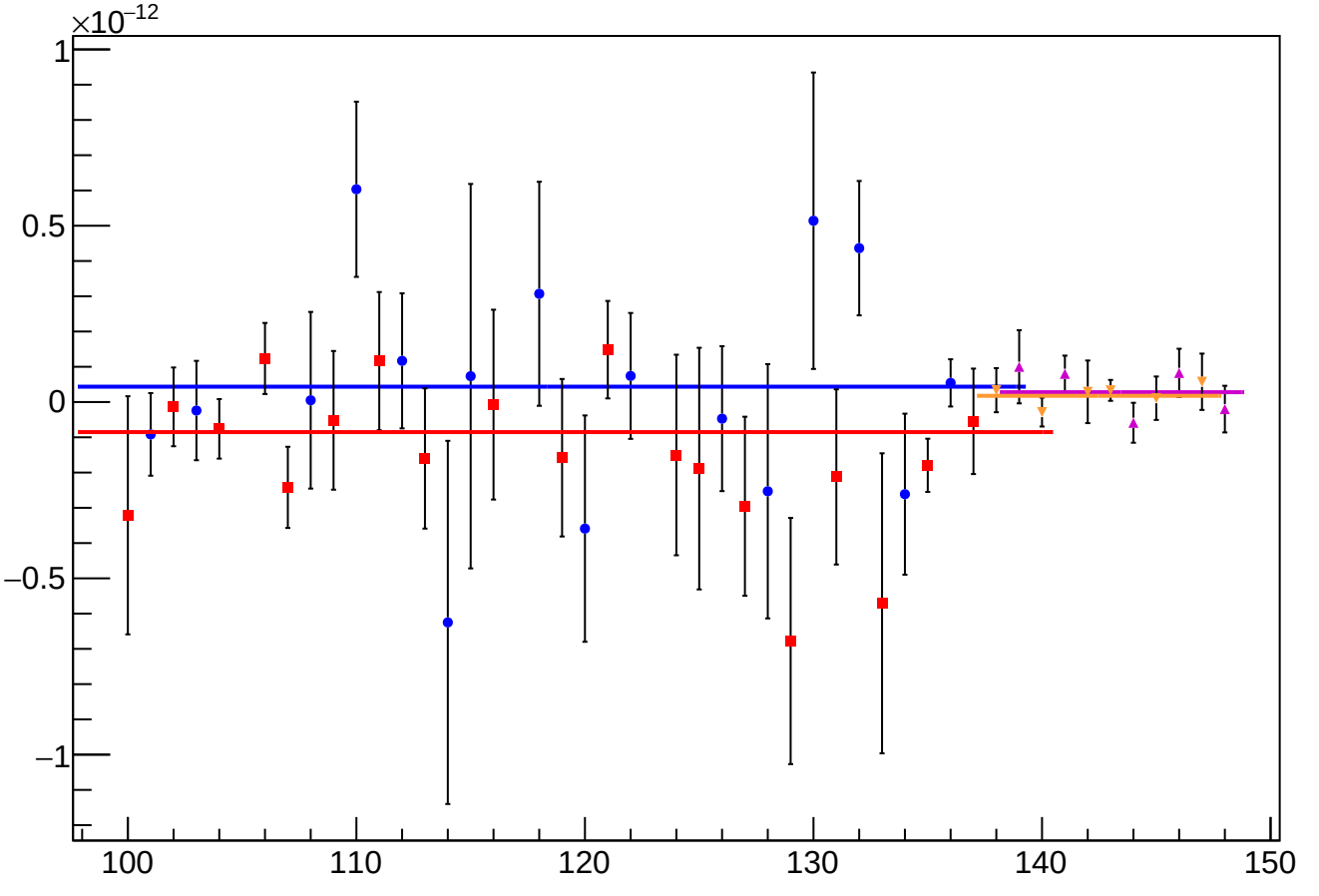
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

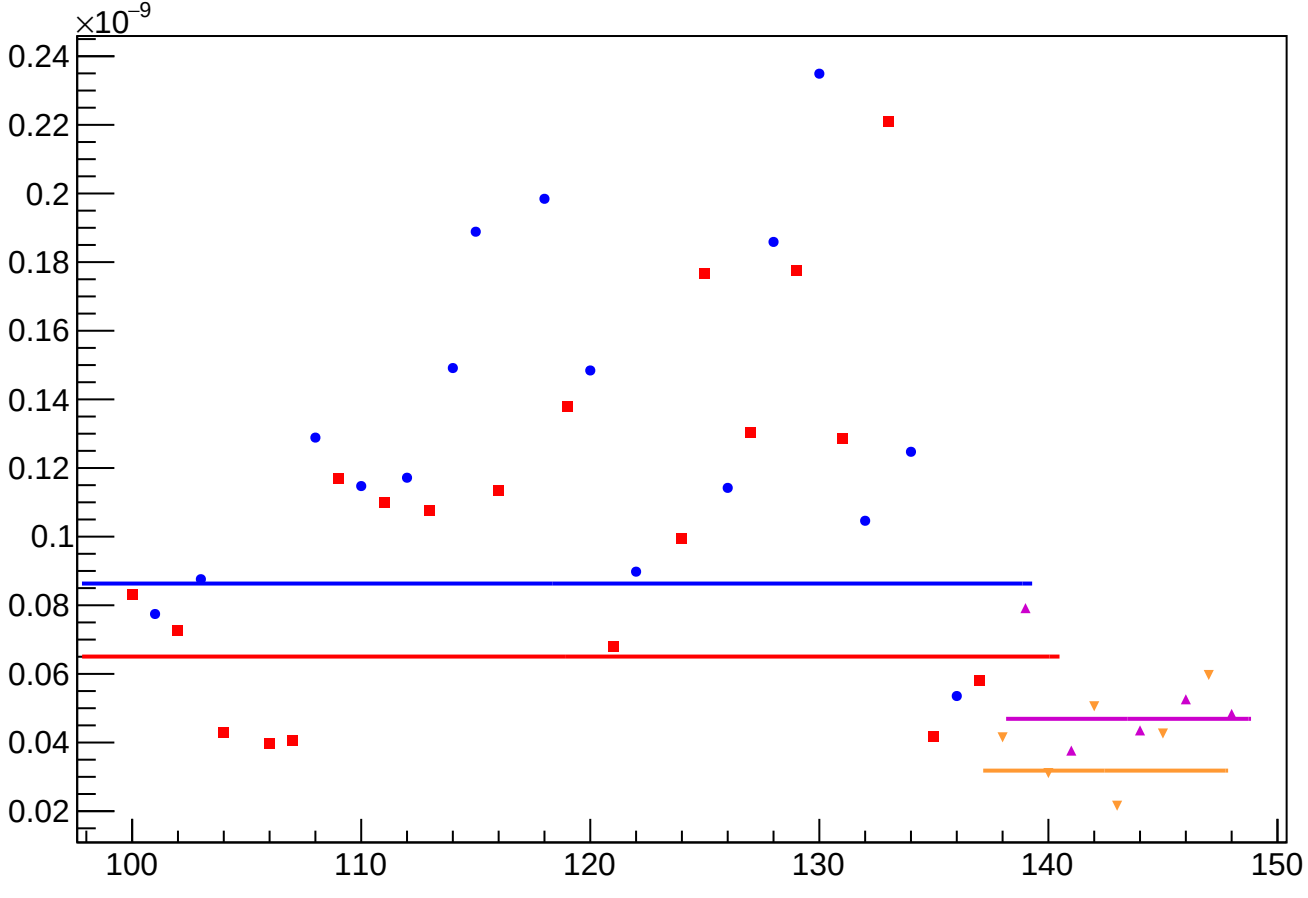
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.9/45

- sign -0.000+/-0.000 χ^2/NDF: 29.6/23



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

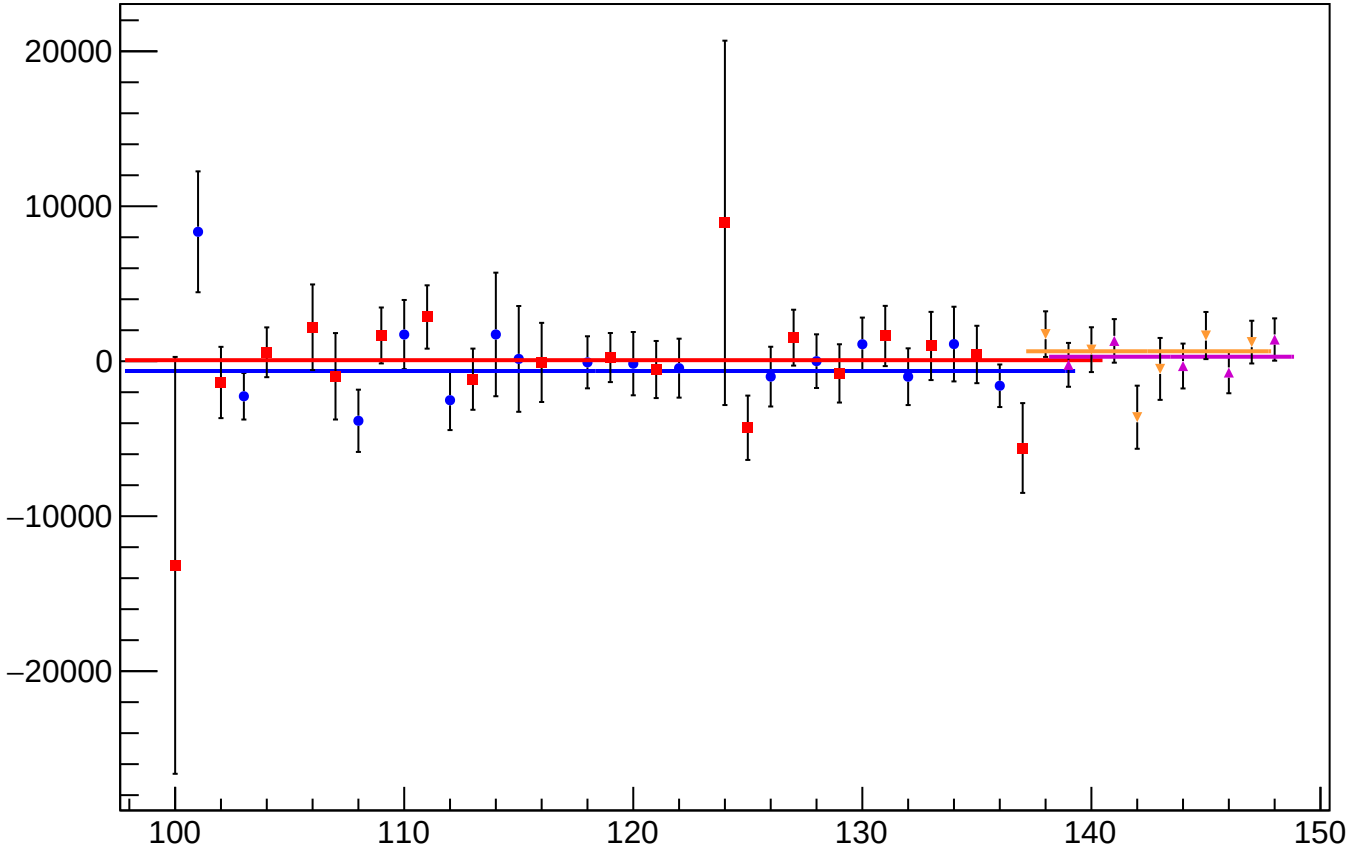
Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4923748.1/21

All: 0.000+/-0.000 χ^2/NDF: 8104455.7/45

- sign 0.000+/-0.000 χ^2/NDF: 2769218.1/23

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

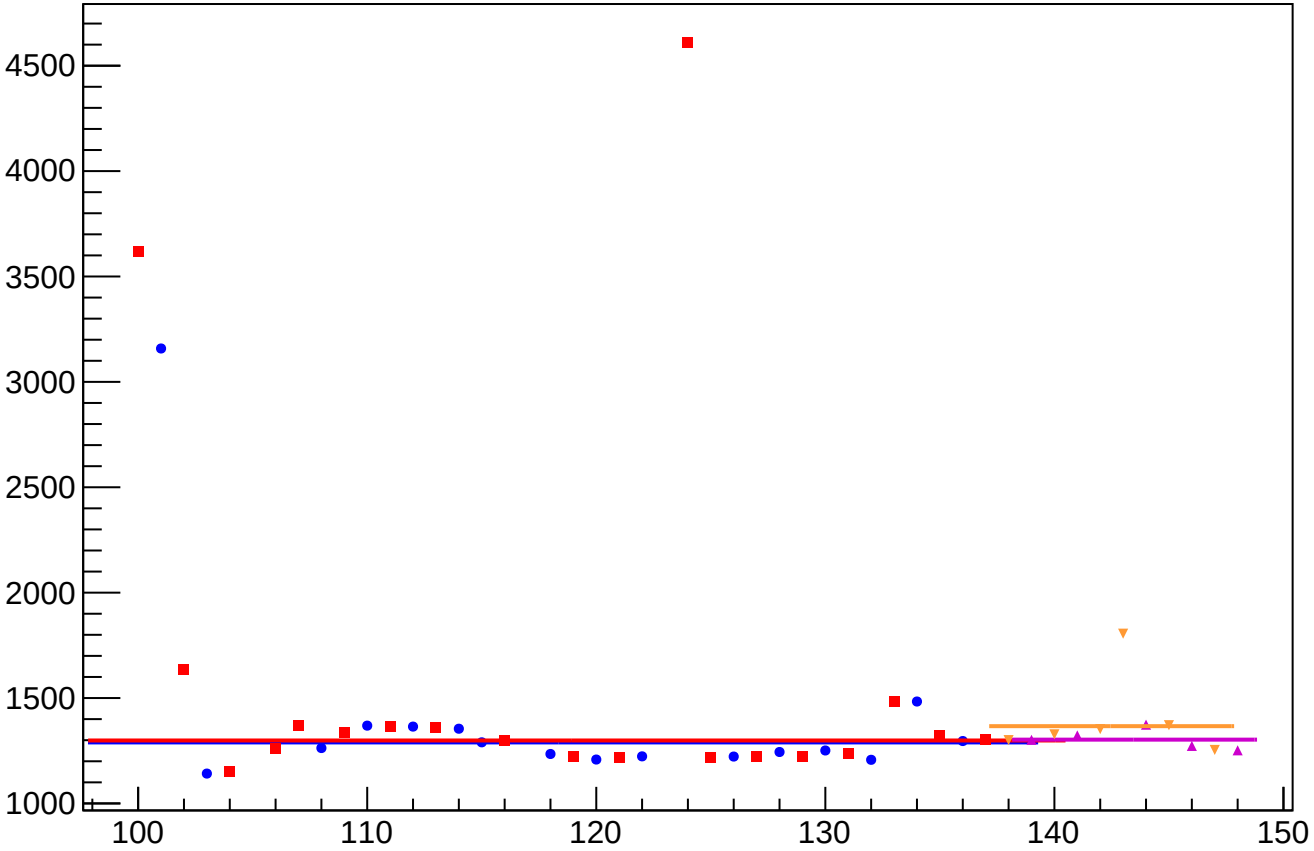
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -168.619+/-389.919 χ^2/NDF: 22.3/21

All: -5.818+/-273.627 χ^2/NDF: 40.6/45

- sign 152.144+/-384.081 χ^2/NDF: 18.0/23

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

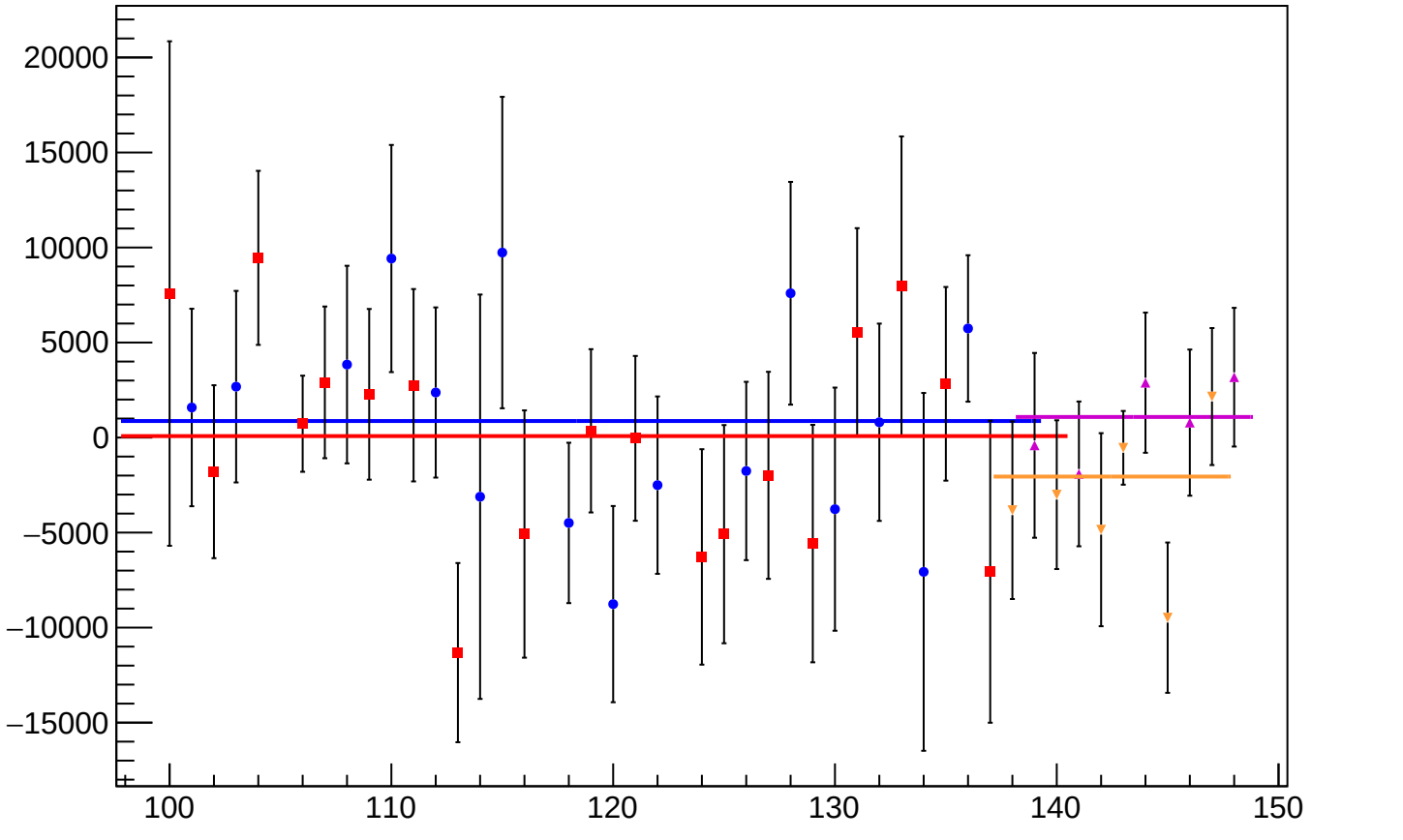
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648161.2/21

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45

- sign 1300.167+/-0.271 χ^2/NDF: 328388.4/23



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

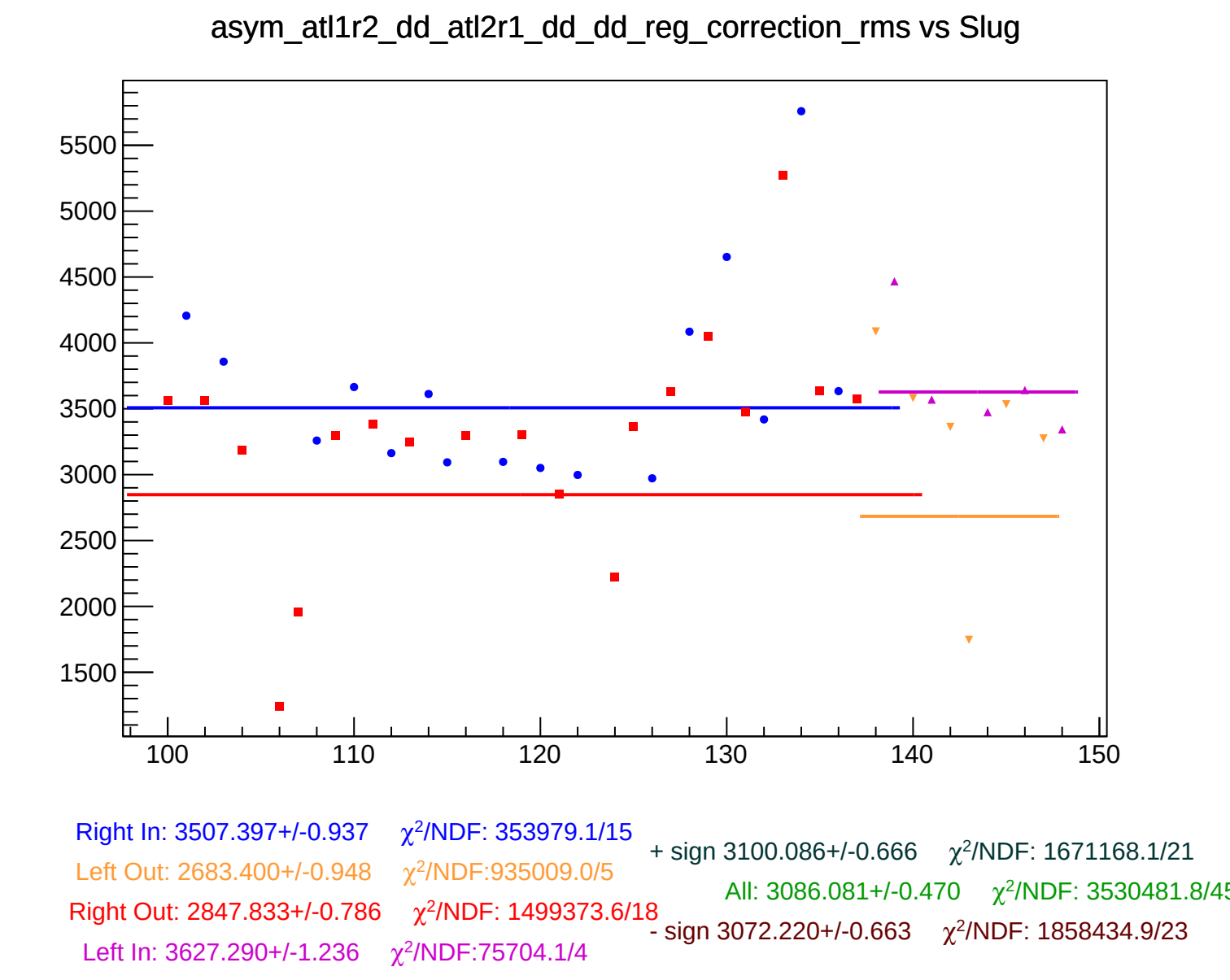
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

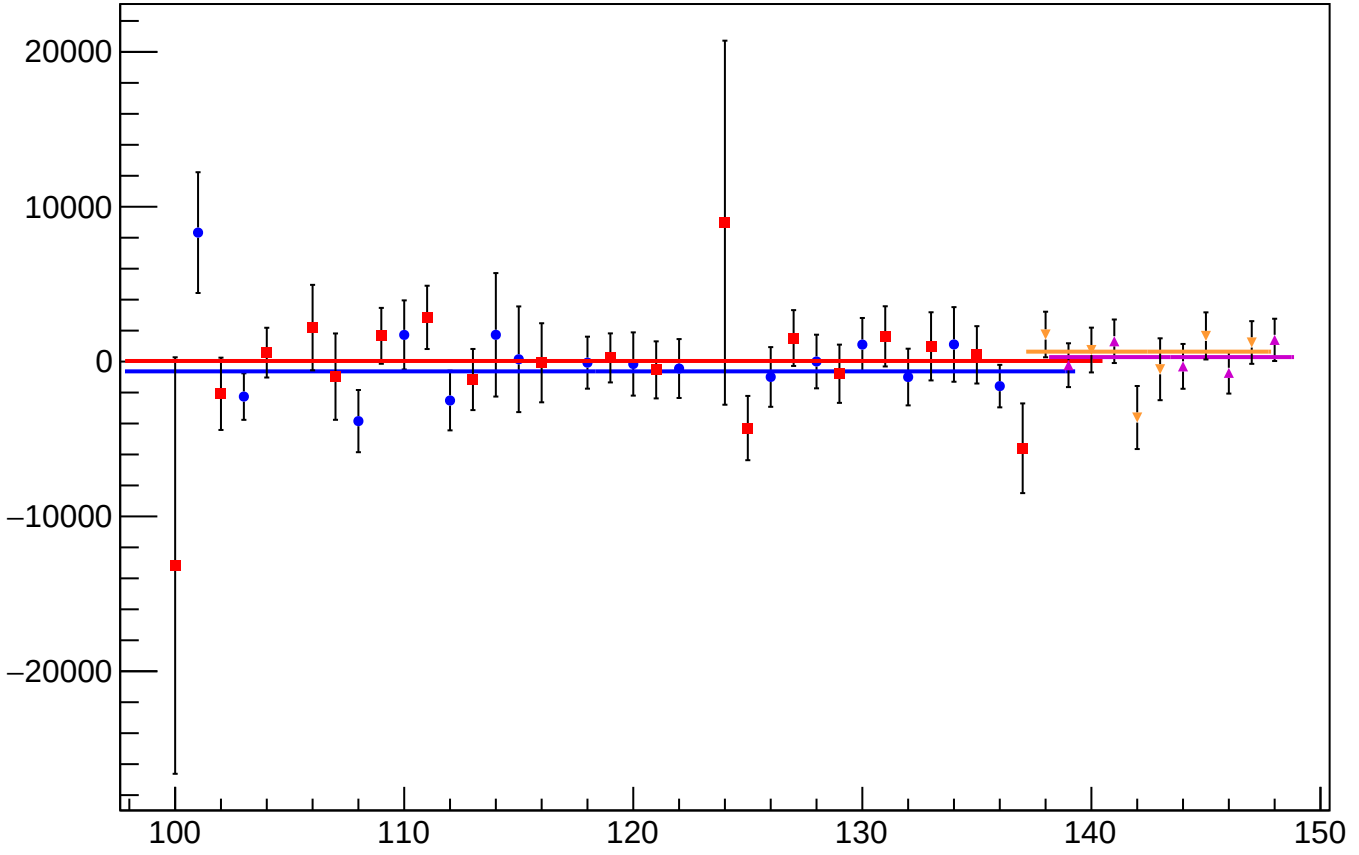
+ sign -574.620+/-942.429 χ^2/NDF: 22.4/21

All: -101.404+/-664.686 χ^2/NDF: 42.8/45

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2683.400+/-0.948 χ²/NDF:935009.0/5
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3627.290+/-1.236 χ²/NDF:75704.1/4
+ sign 3100.086+/-0.666 χ²/NDF: 1671168.1/21
All: 3086.081+/-0.470 χ²/NDF: 3530481.8/45
- sign 3072.220+/-0.663 χ²/NDF: 1858434.9/23

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

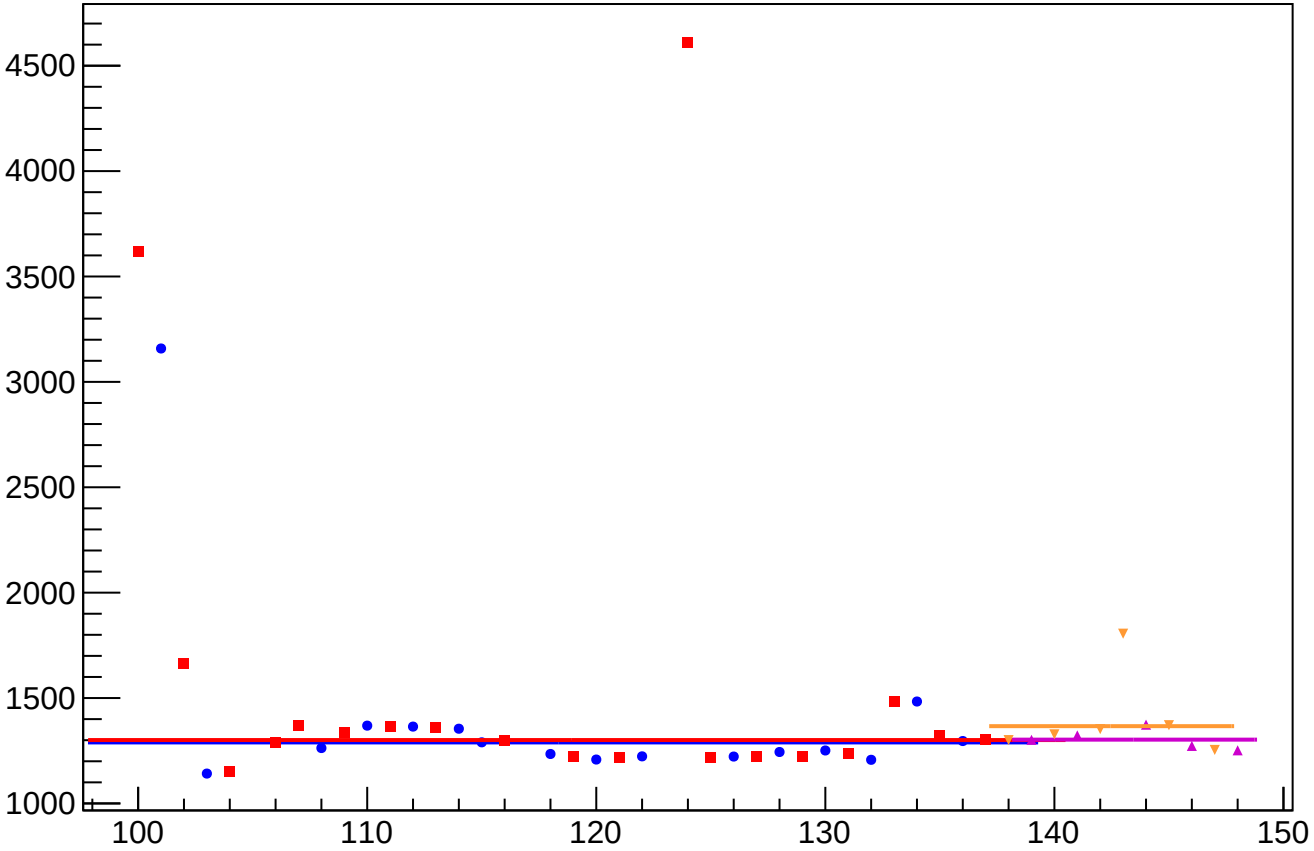
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

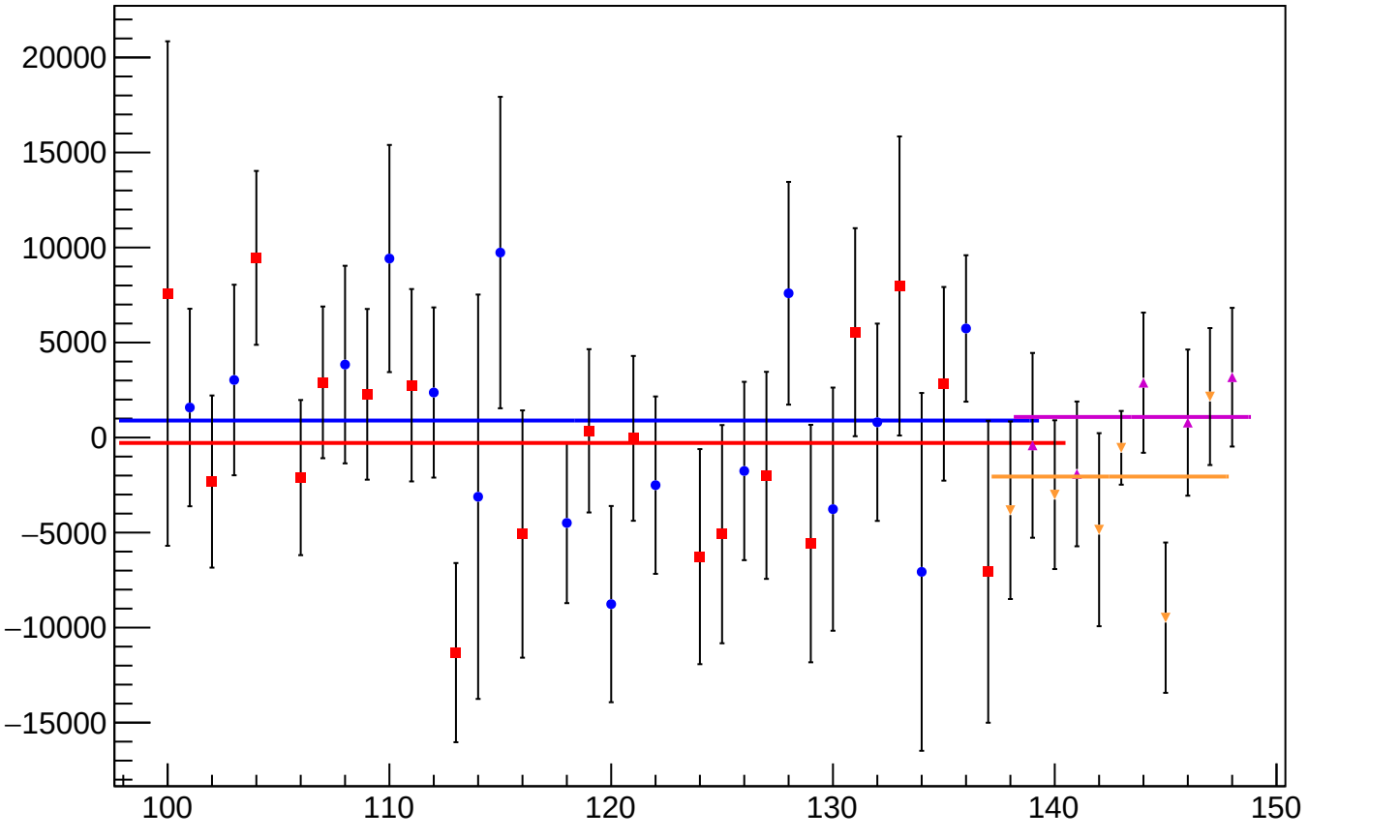
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

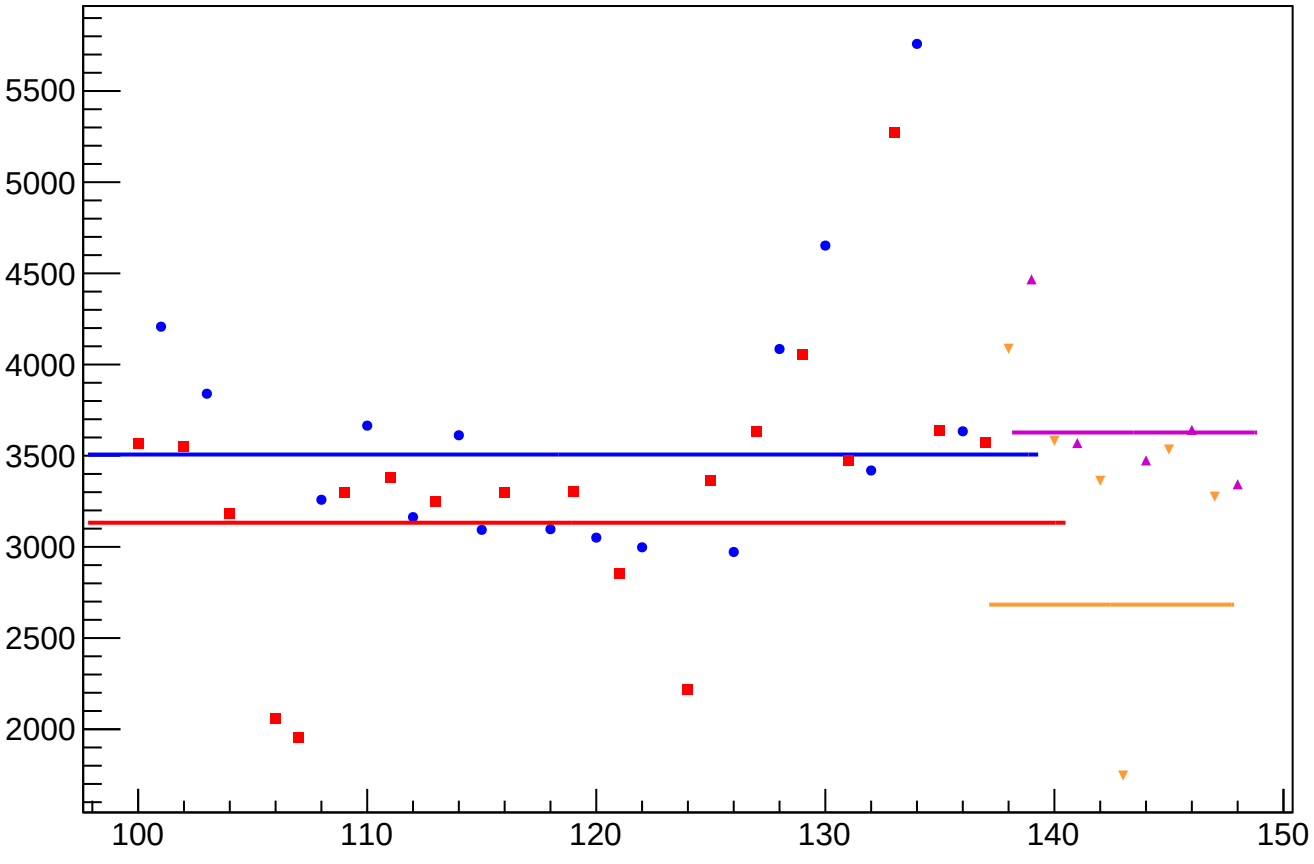
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -561.028+/-942.263 χ^2/NDF: 22.5/21

All: -221.354+/-679.140 χ^2/NDF: 43.1/45

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

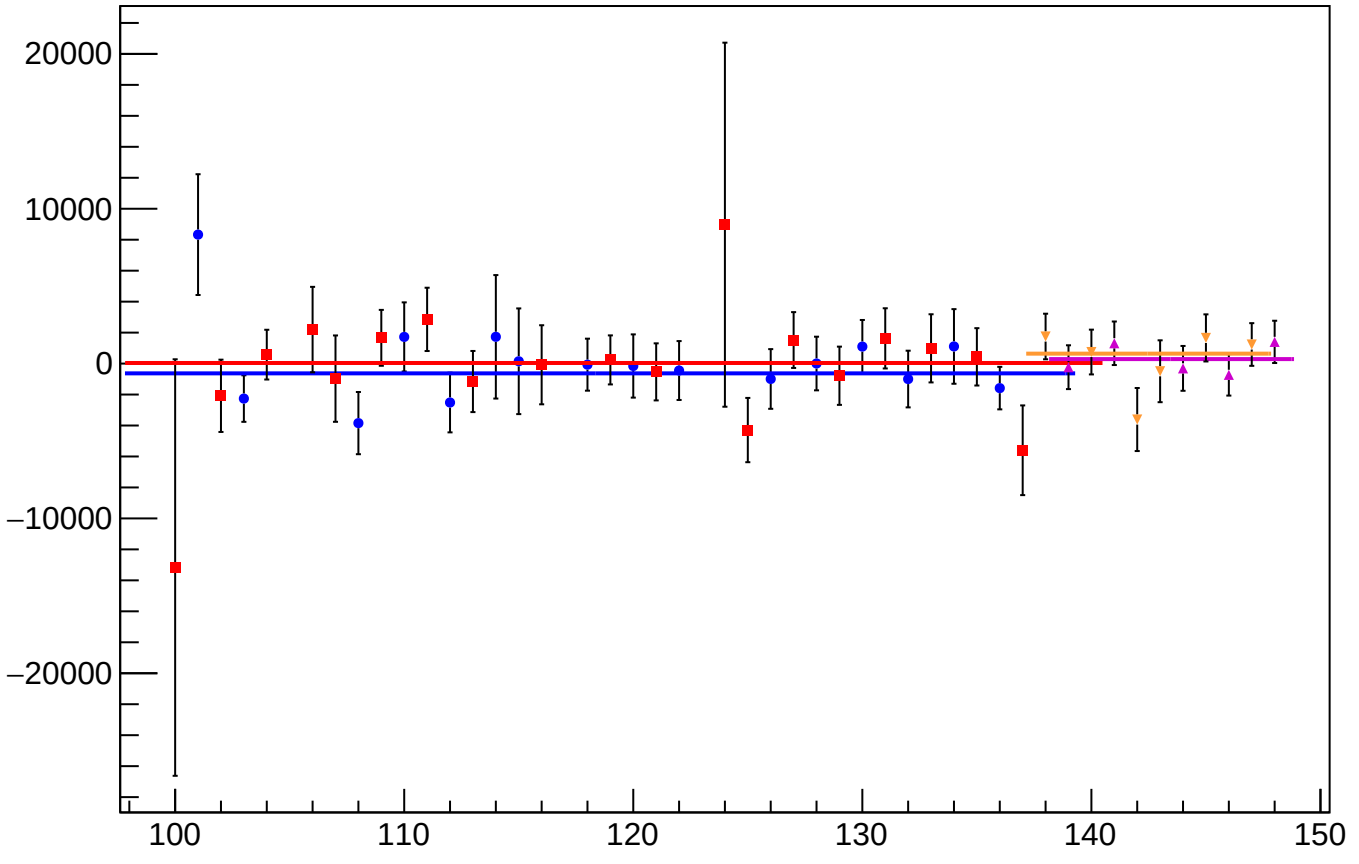
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23



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

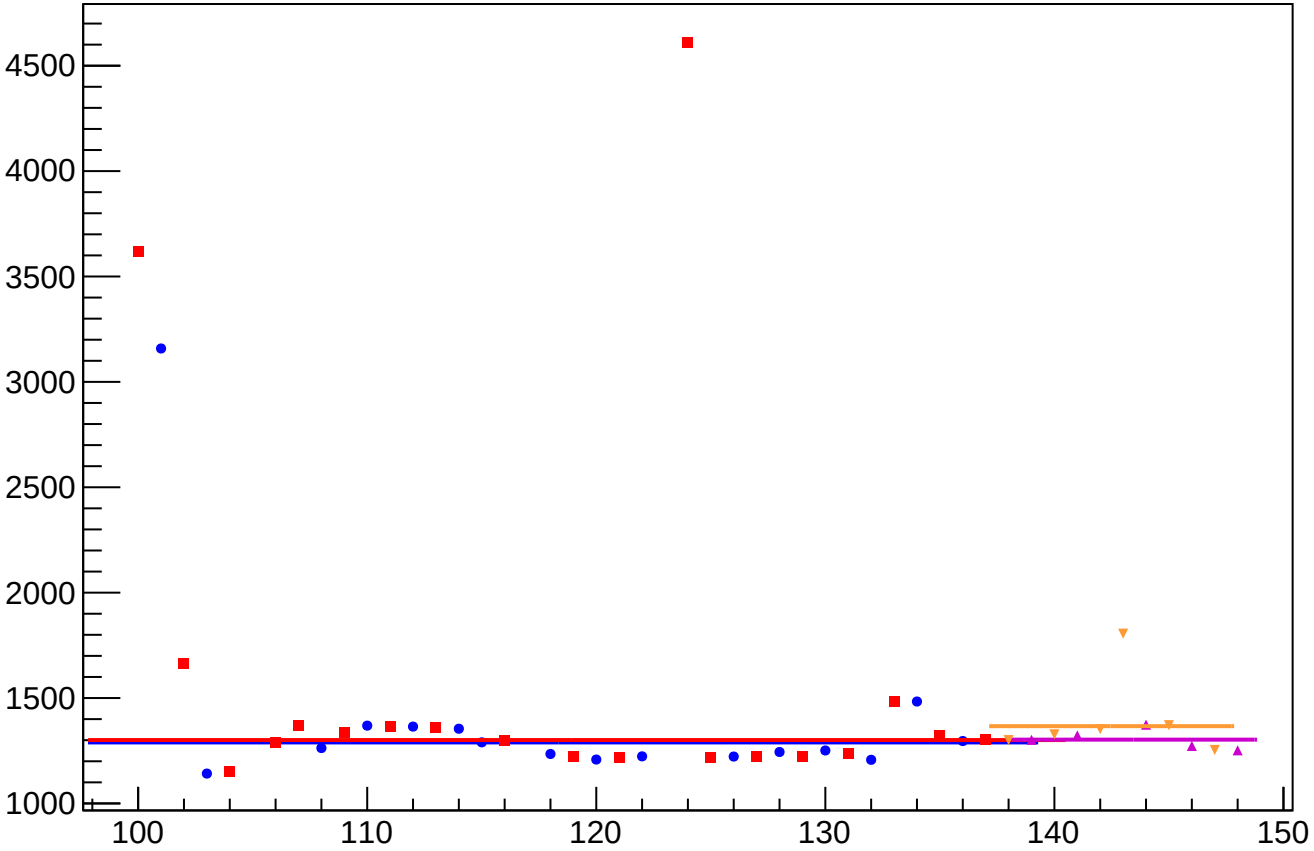
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -168.904+/-389.920 χ^2/NDF: 22.2/21

All: -15.110+/-273.684 χ^2/NDF: 41.0/45

- sign 134.235+/-384.239 χ^2/NDF: 18.5/23

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

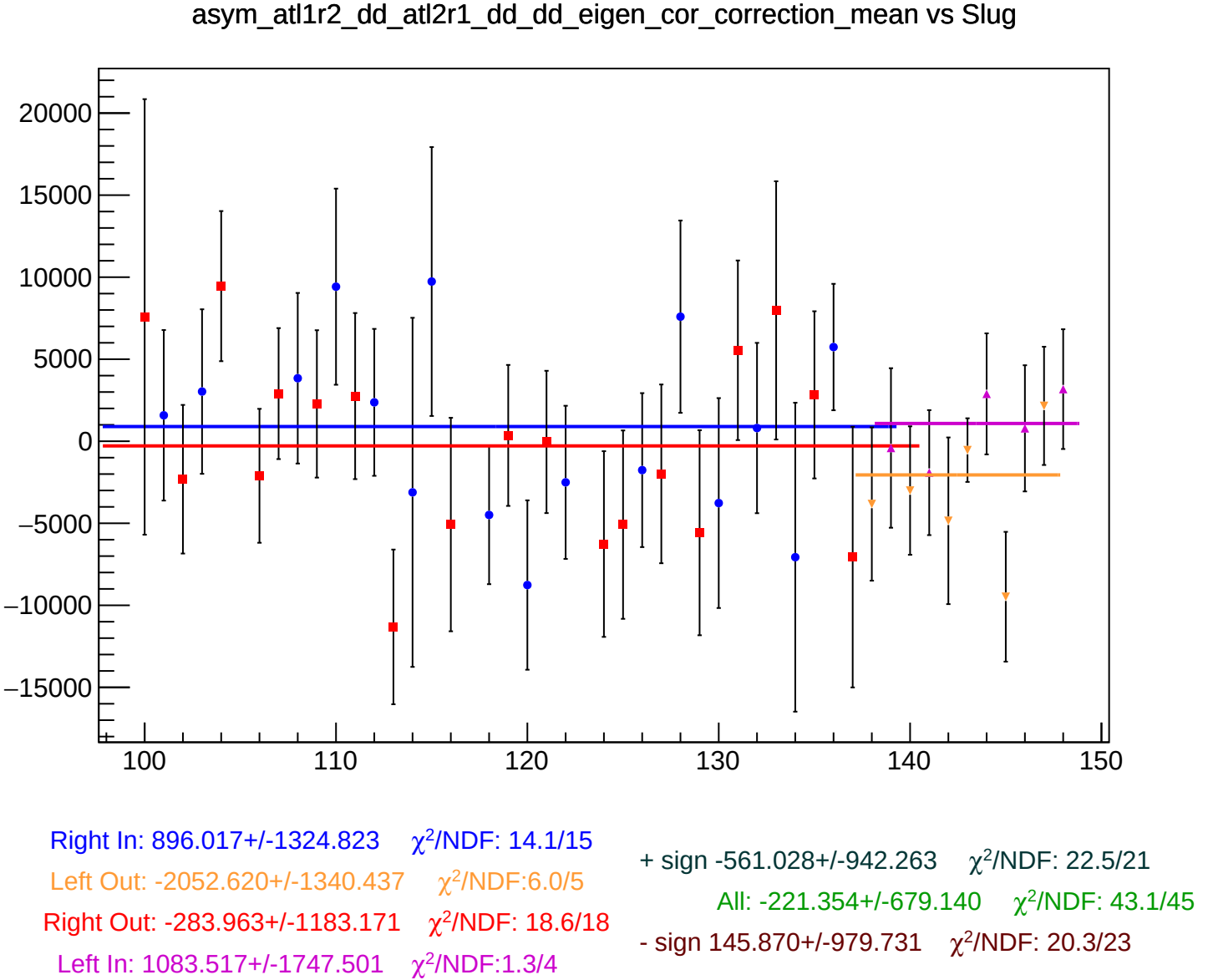
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

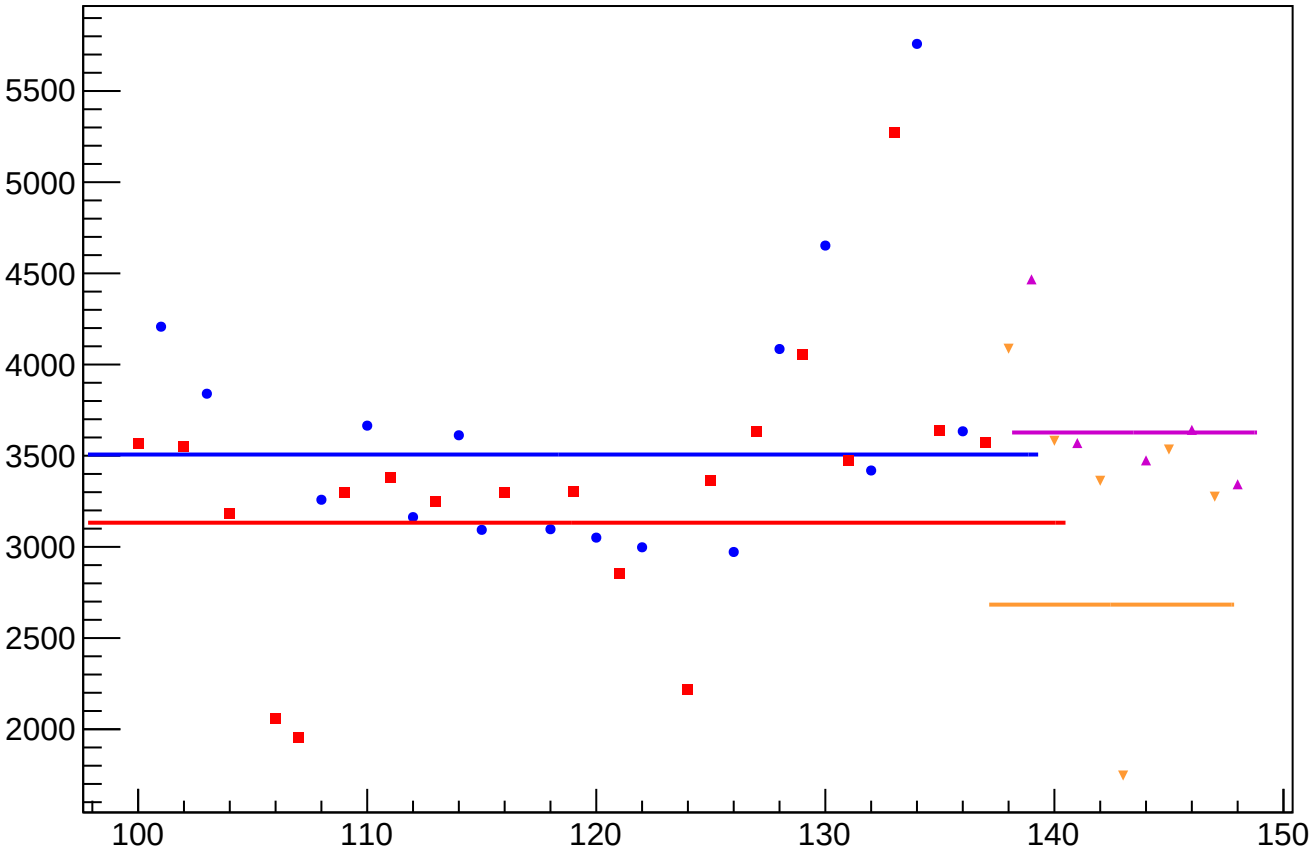
Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1317.484+/-0.276 χ^2/NDF: 648162.7/21

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1083.517+/-1747.501 χ²/NDF:1.3/4
+ sign -561.028+/-942.263 χ²/NDF: 22.5/21
All: -221.354+/-679.140 χ²/NDF: 43.1/45
- sign 145.870+/-979.731 χ²/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

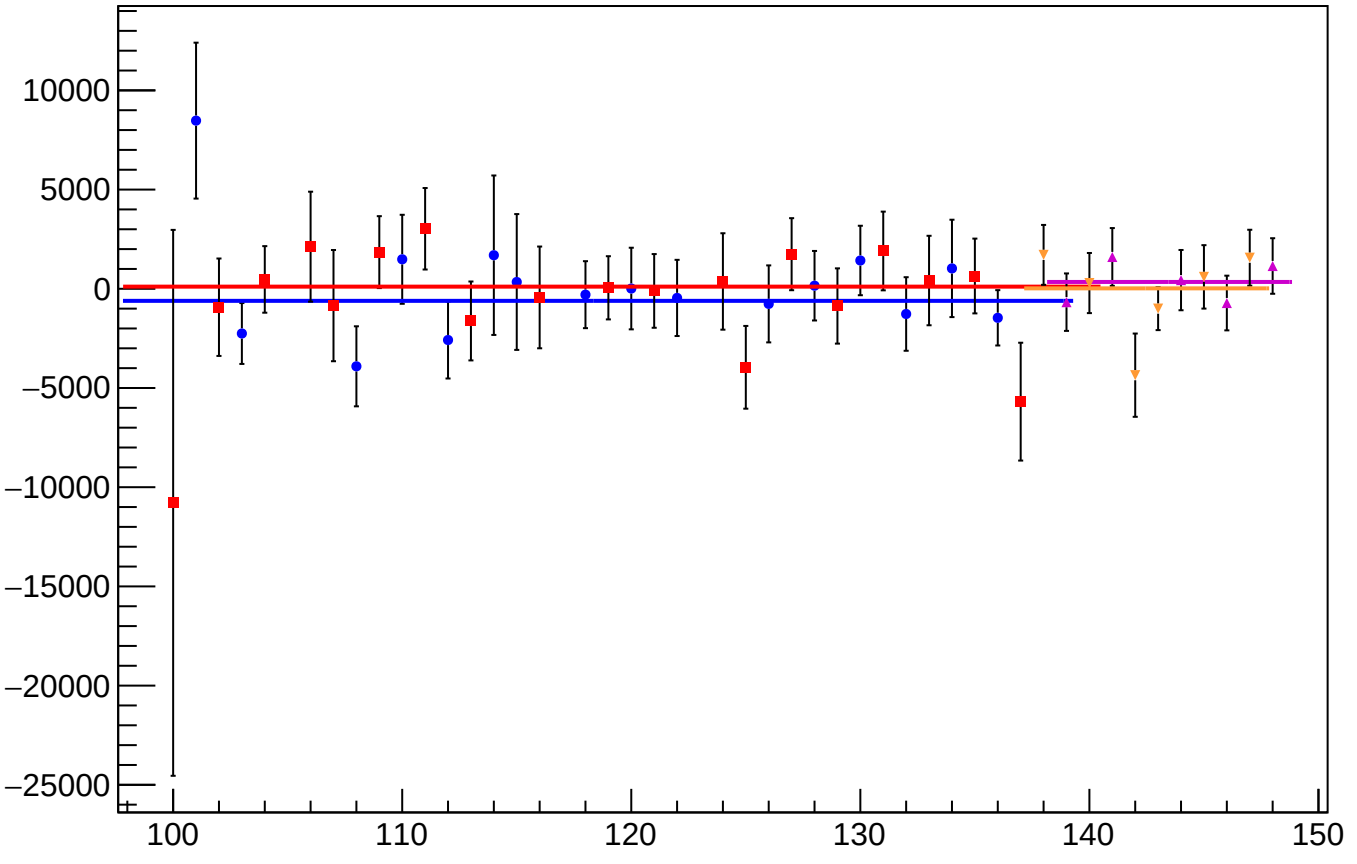
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3099.758+/-0.666 χ^2/NDF: 1669734.8/21

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23



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

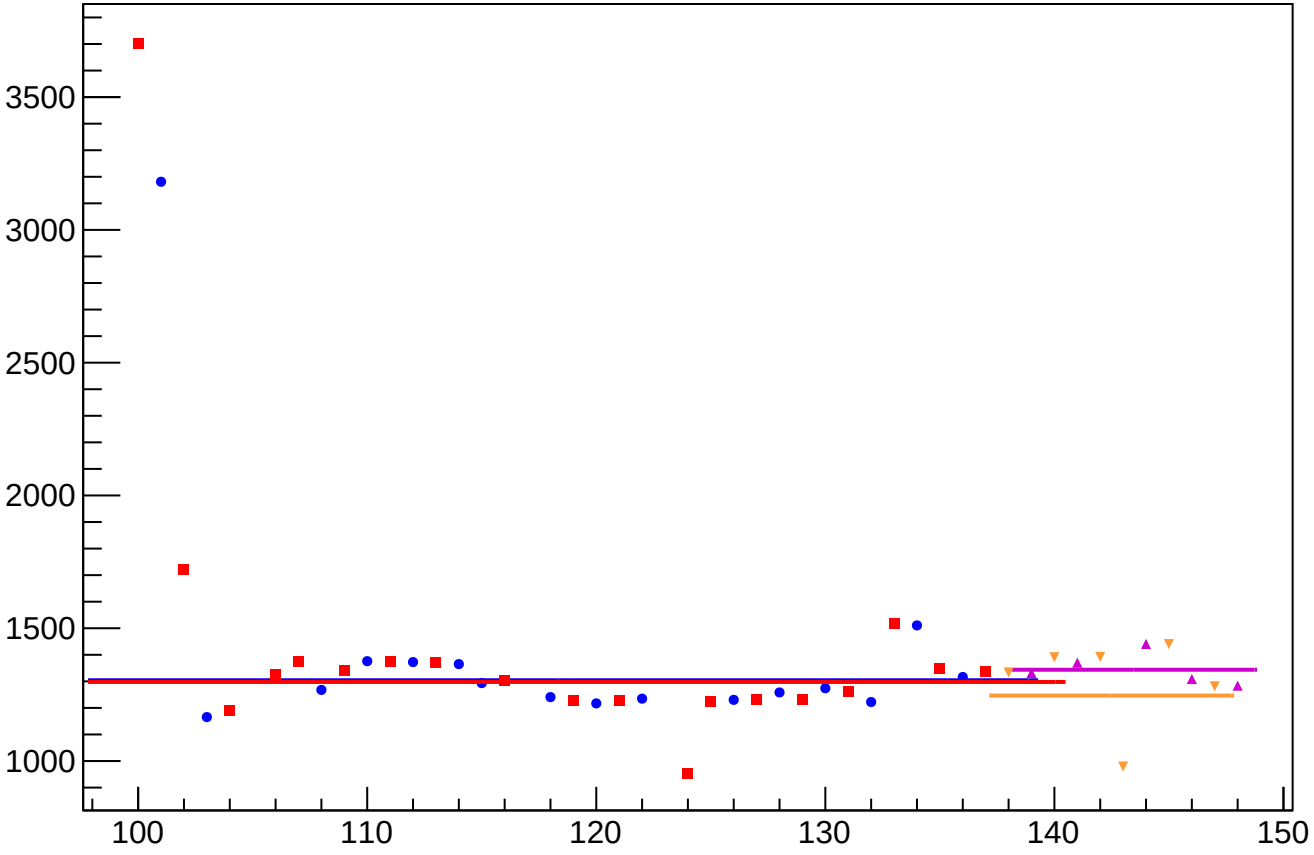
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -349.663+/-379.522 χ^2/NDF: 22.6/21

All: -83.381+/-271.136 χ^2/NDF: 40.8/45

- sign 194.201+/-387.491 χ^2/NDF: 17.1/23

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

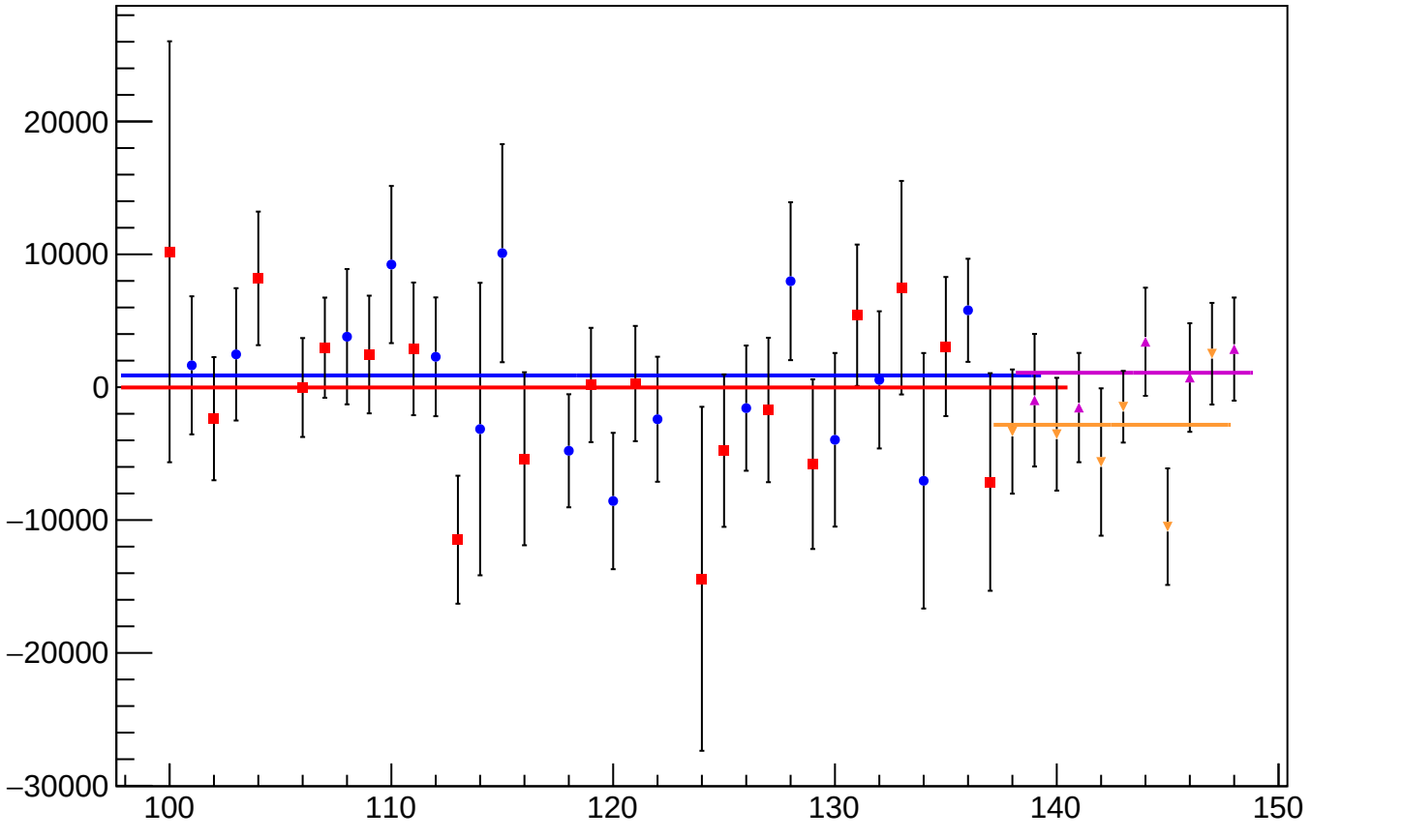
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45

- sign 1314.467+/-0.274 χ^2/NDF: 233563.7/23



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

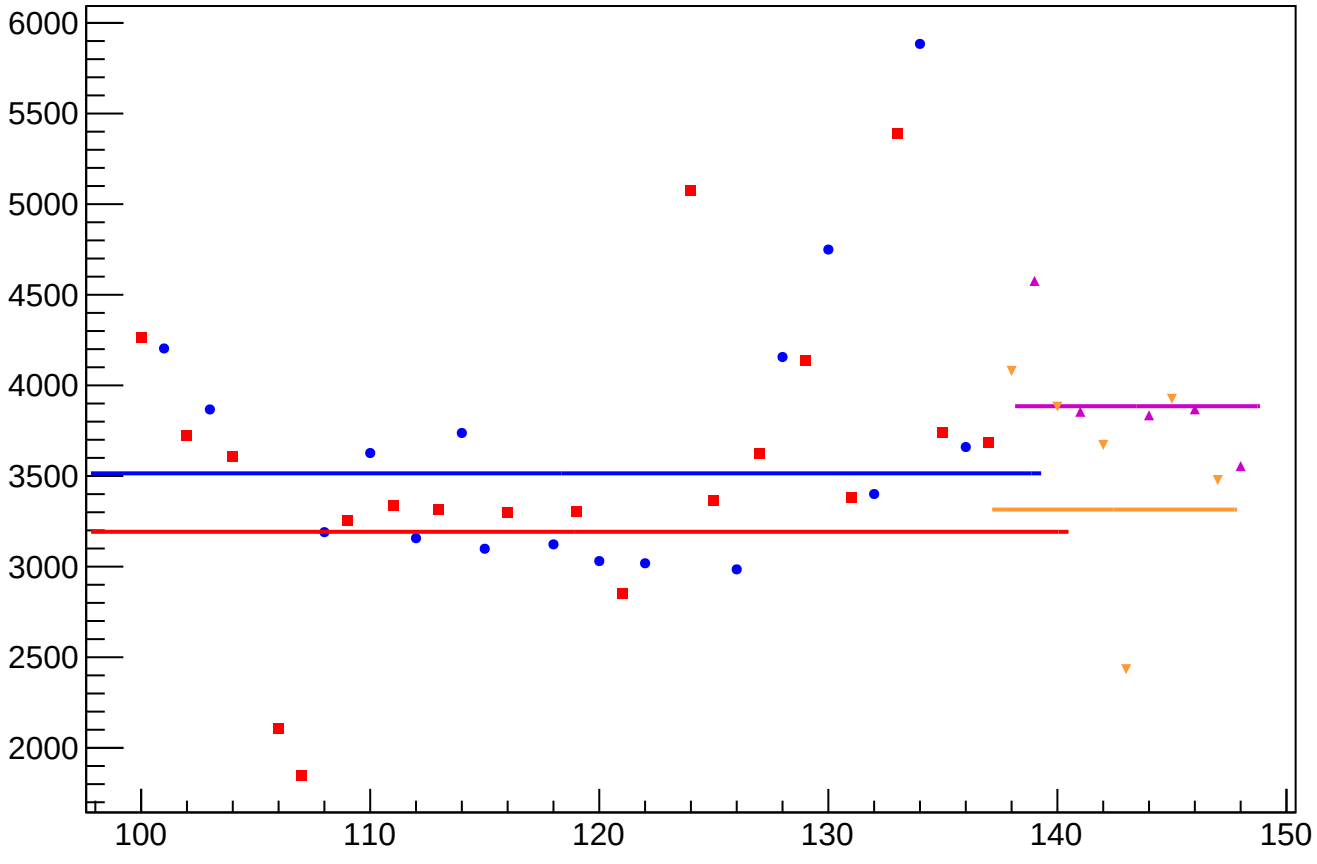
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.129 χ^2/NDF: 22.9/21

All: -159.720+/-718.057 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.935 χ^2/NDF: 18.2/23



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3314.764+/-1.130 χ^2/NDF:353402.5/5

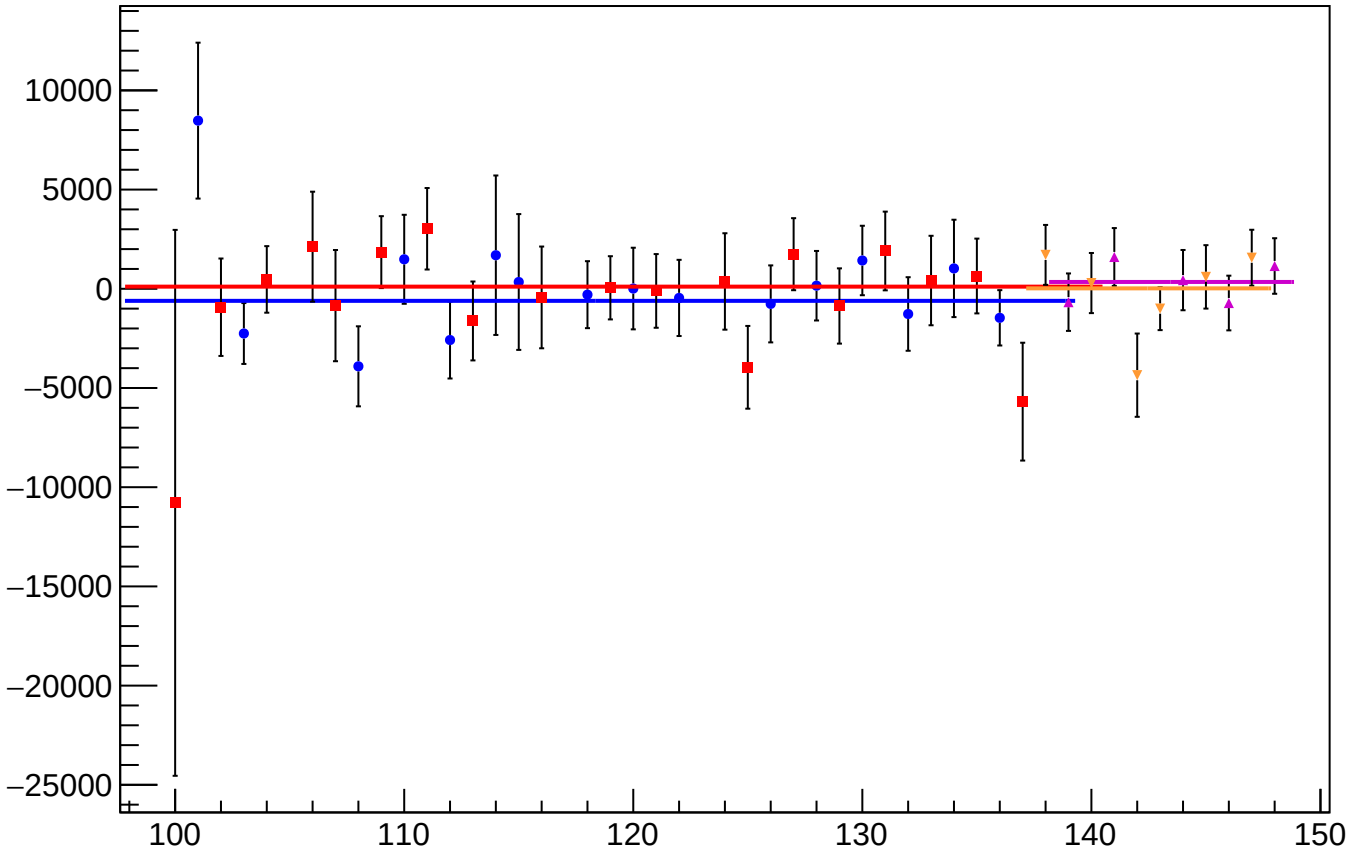
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3433.109+/-0.722 χ^2/NDF: 747012.4/21

All: 3413.518+/-0.508 χ^2/NDF: 1768888.1/45

- sign 3394.354+/-0.714 χ^2/NDF: 1020419.4/23



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

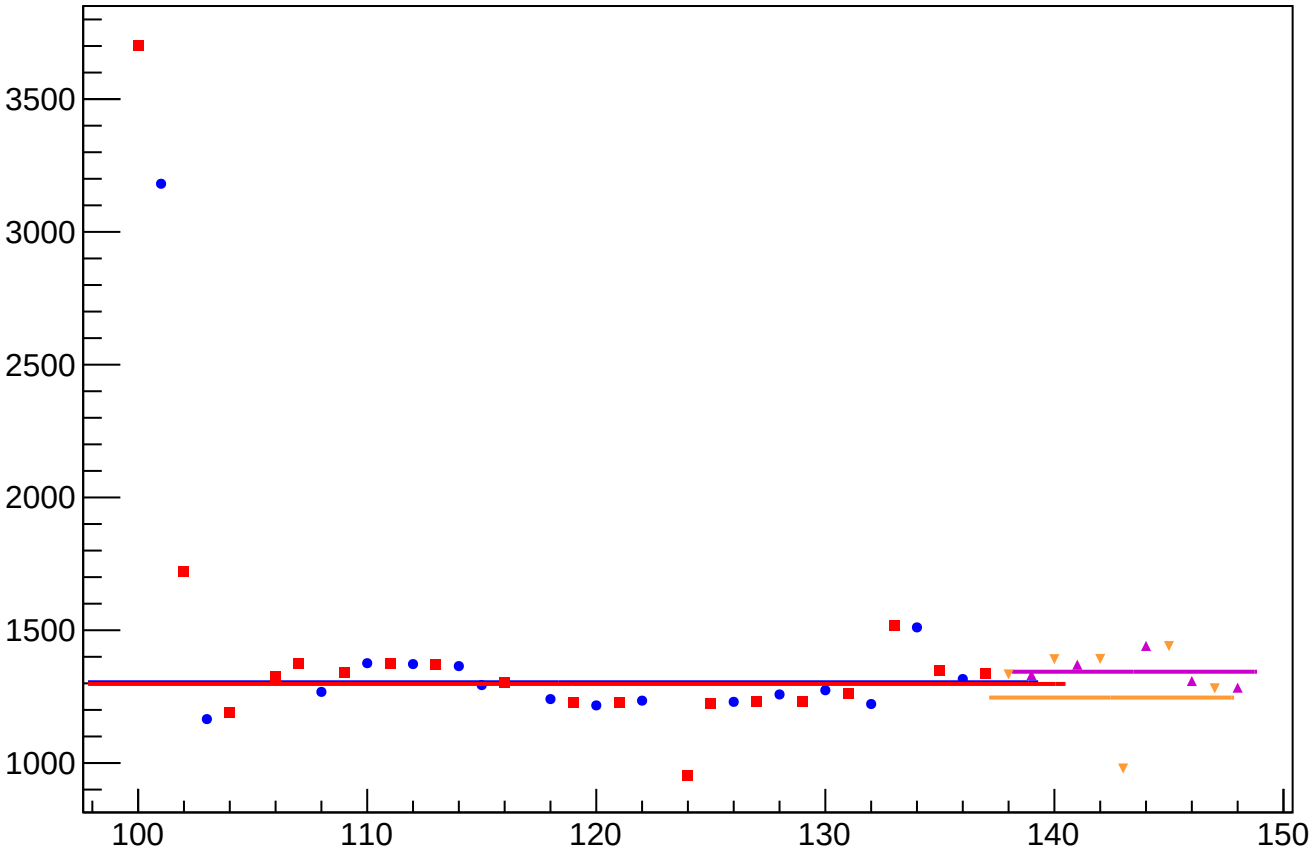
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -349.667+/-379.522 χ^2/NDF: 22.6/21

All: -83.382+/-271.136 χ^2/NDF: 40.8/45

- sign 194.204+/-387.491 χ^2/NDF: 17.1/23



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

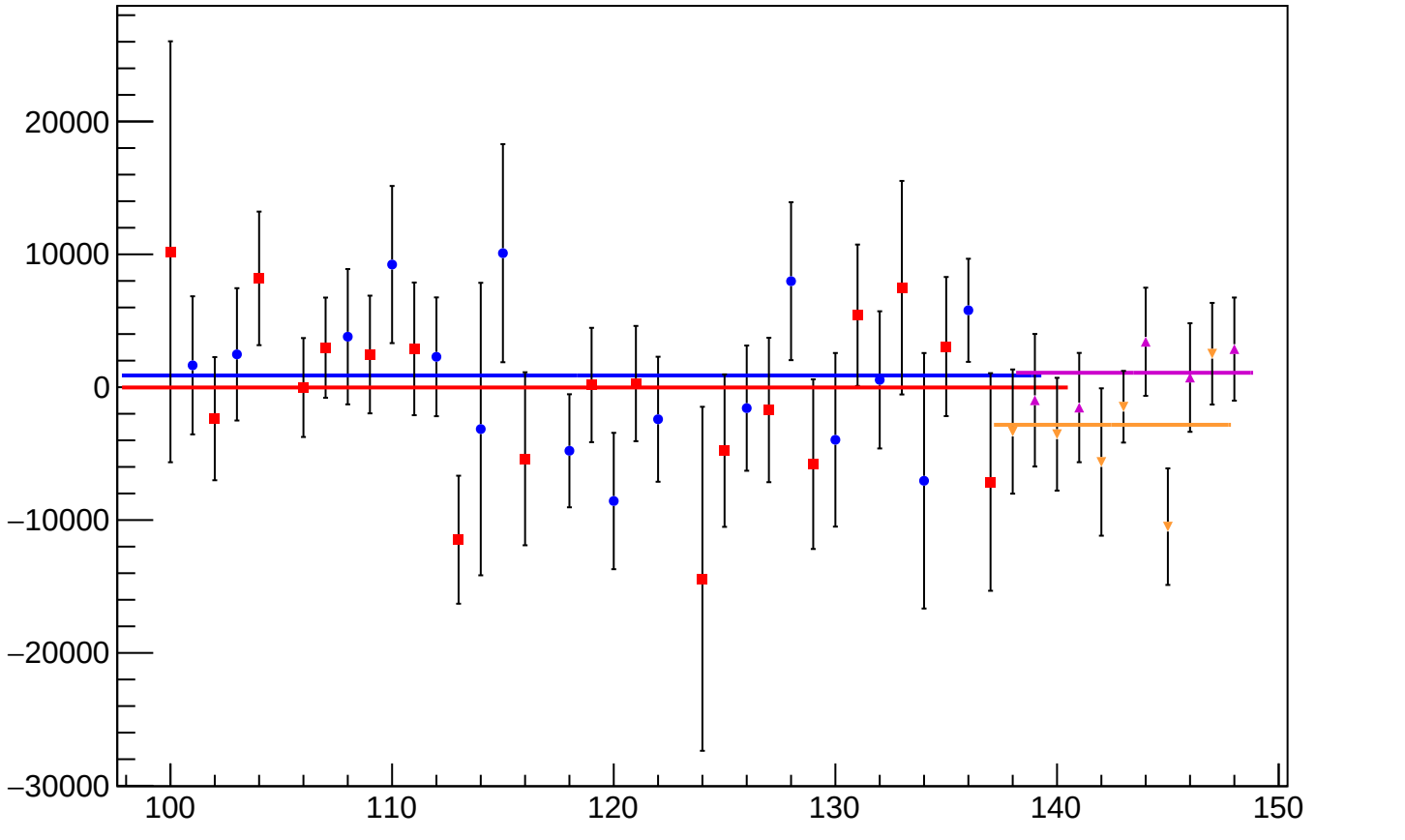
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.460+/-0.268 χ^2/NDF: 708317.8/21

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45

- sign 1314.467+/-0.274 χ^2/NDF: 233564.1/23



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

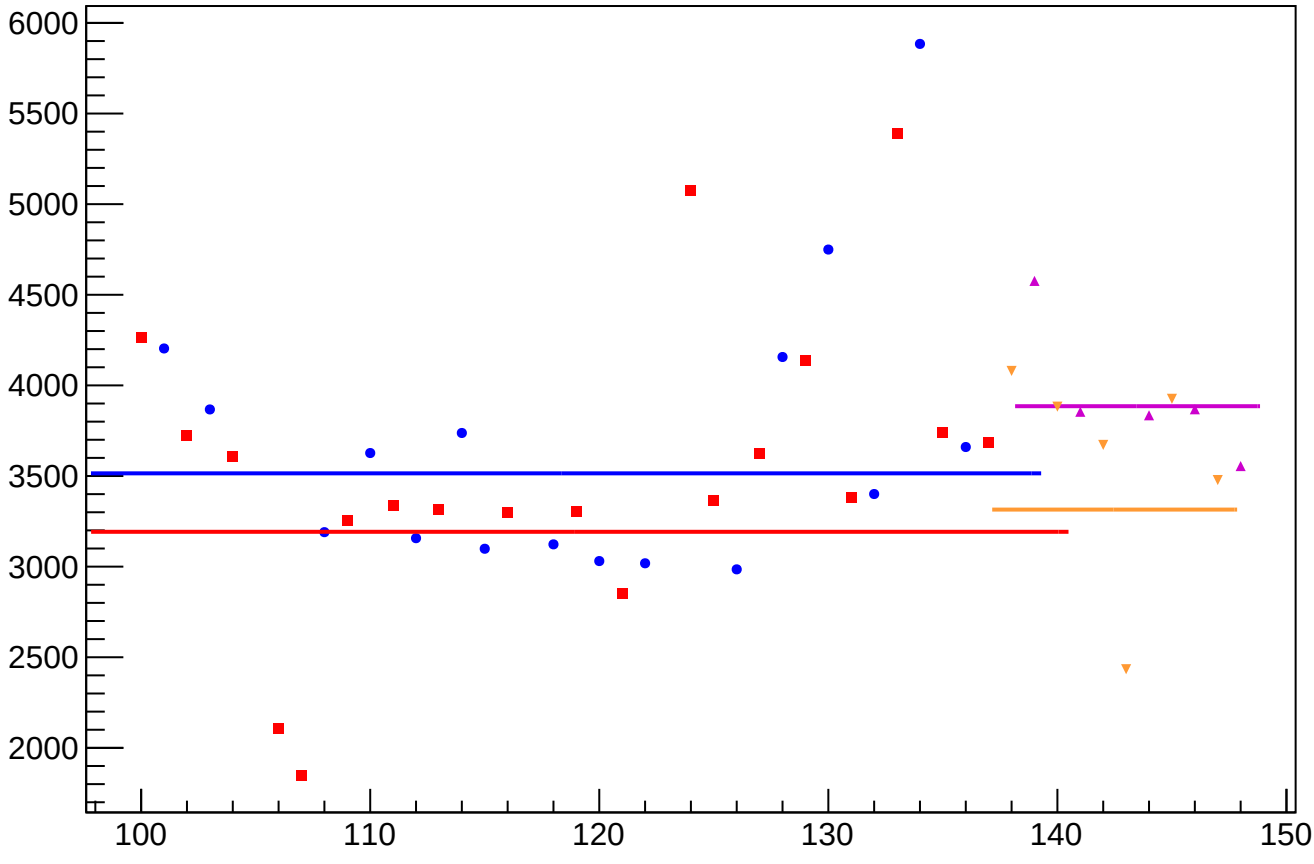
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -631.900+/-1021.128 χ^2/NDF: 22.9/21

All: -159.720+/-718.056 χ^2/NDF: 41.5/45

- sign 302.164+/-1009.934 χ^2/NDF: 18.2/23



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

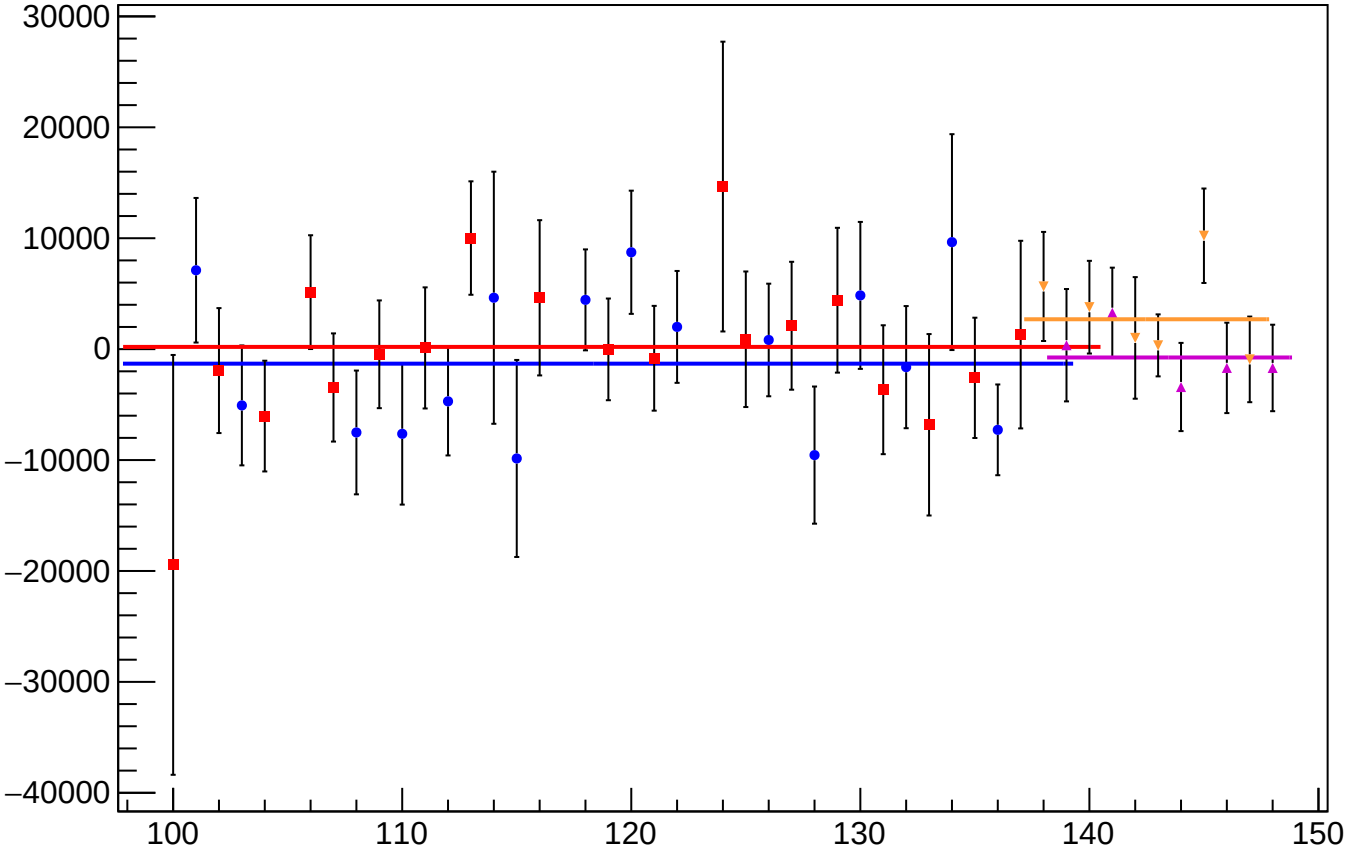
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3433.106+/-0.722 χ^2/NDF: 747014.7/21

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45

- sign 3394.349+/-0.714 χ^2/NDF: 1020429.9/23

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

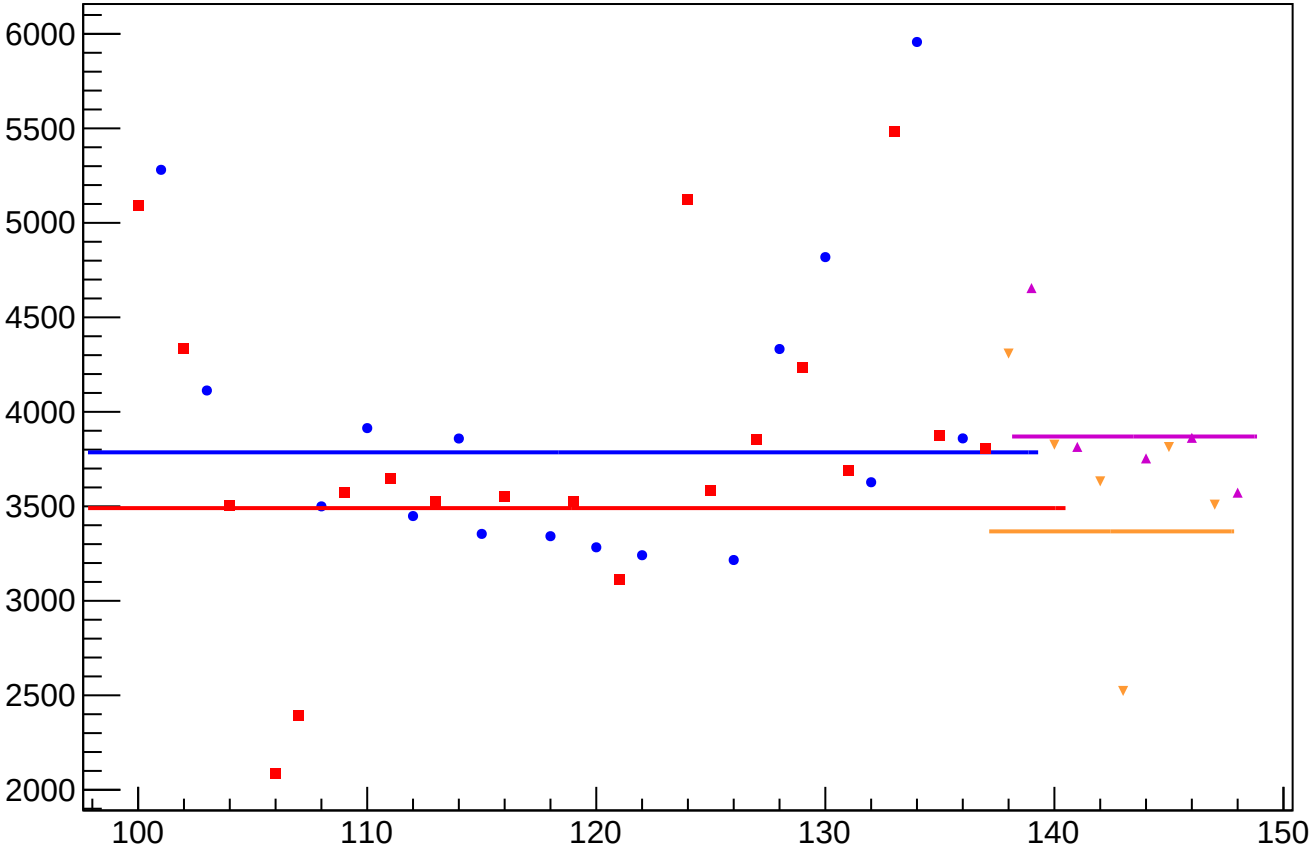
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 448.813+/-1072.065 χ^2/NDF: 26.2/21

All: 166.614+/-762.728 χ^2/NDF: 39.8/45

- sign -122.638+/-1085.378 χ^2/NDF: 13.4/23

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

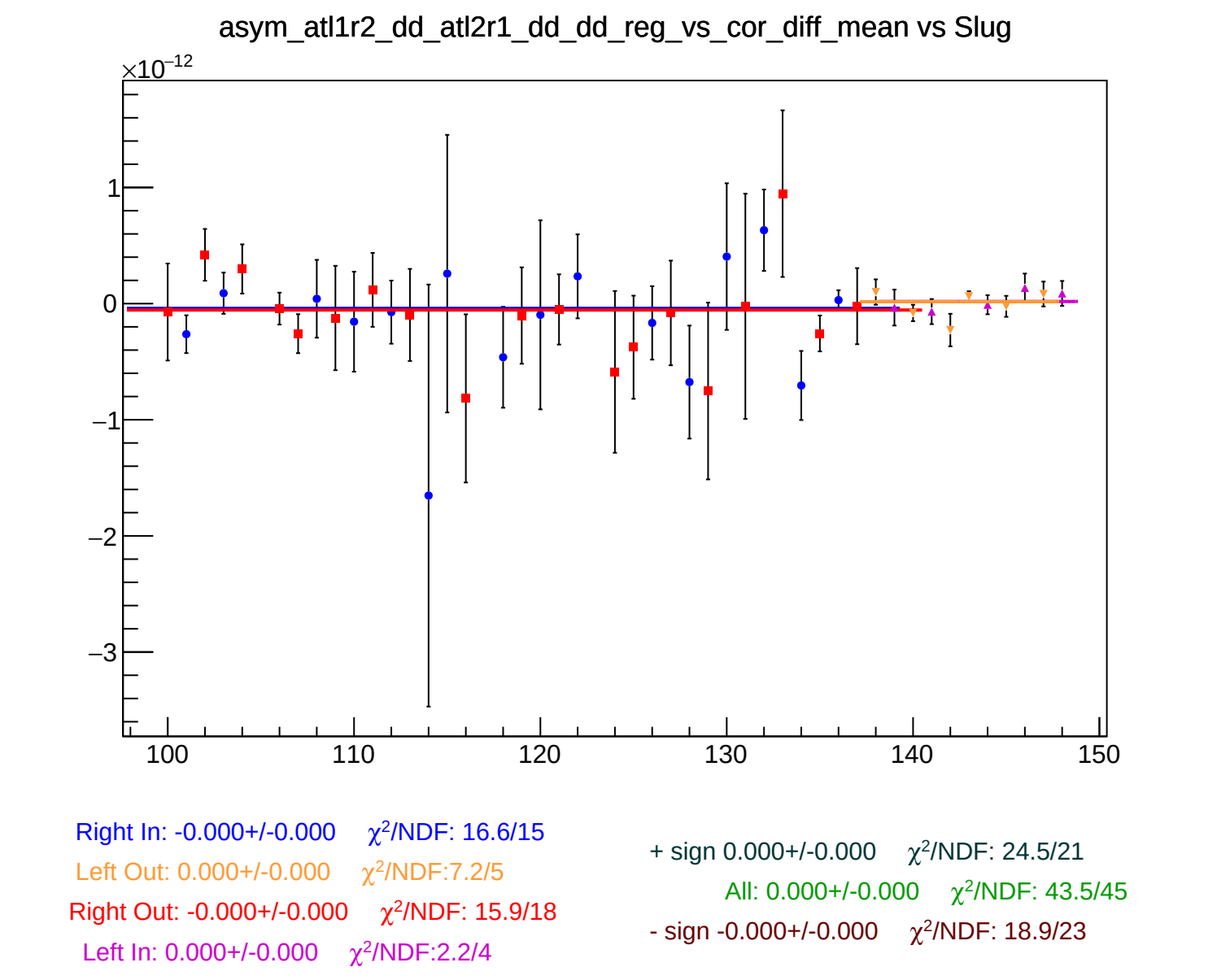
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

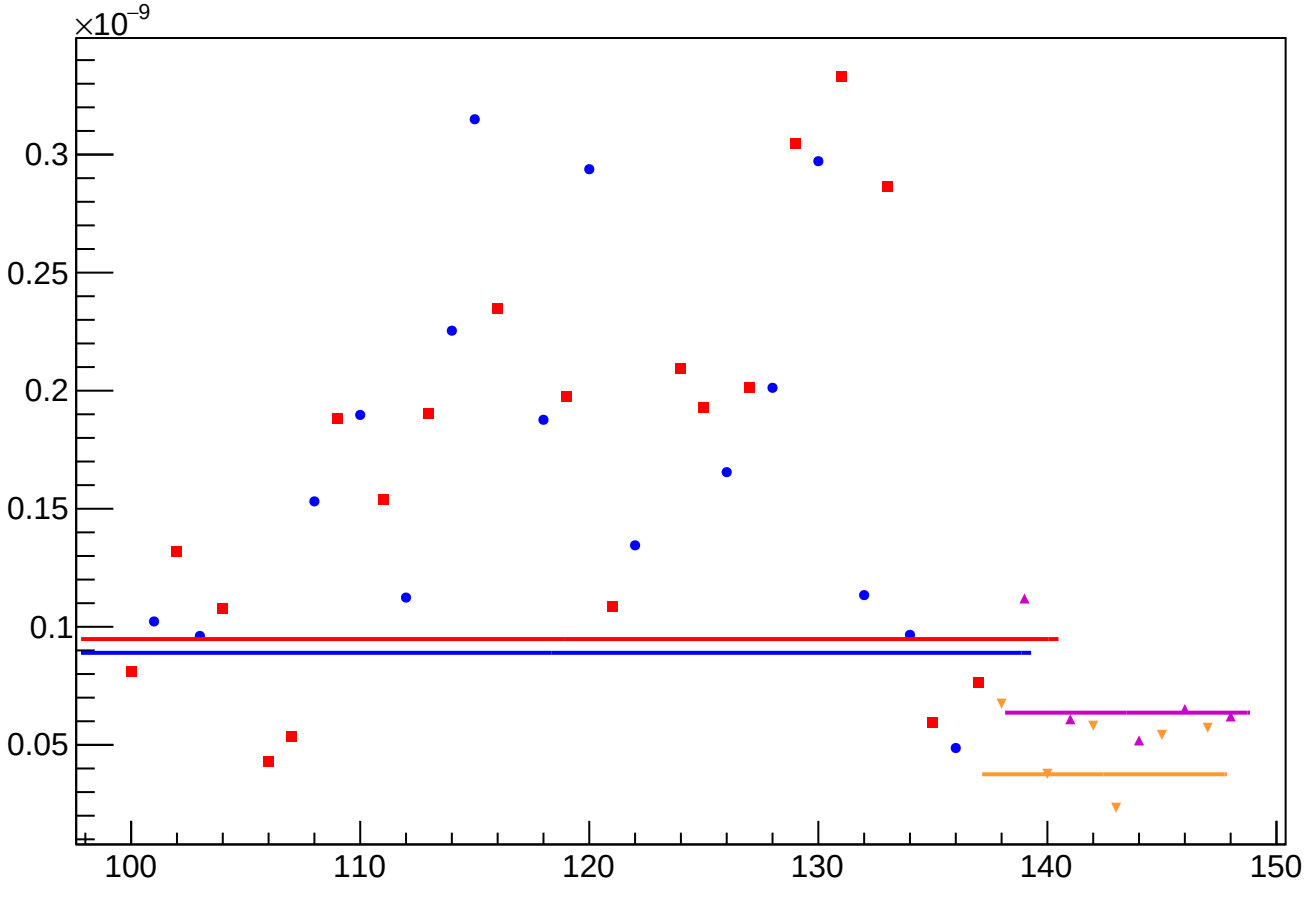
Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

+ sign 3602.037+/-0.758 χ^2/NDF: 767158.3/21

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45

- sign 3617.141+/-0.761 χ^2/NDF: 703698.9/23


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.2/5
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:2.2/4
+ sign 0.000+/-0.000 χ²/NDF: 24.5/21
All: 0.000+/-0.000 χ²/NDF: 43.5/45
- sign -0.000+/-0.000 χ²/NDF: 18.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

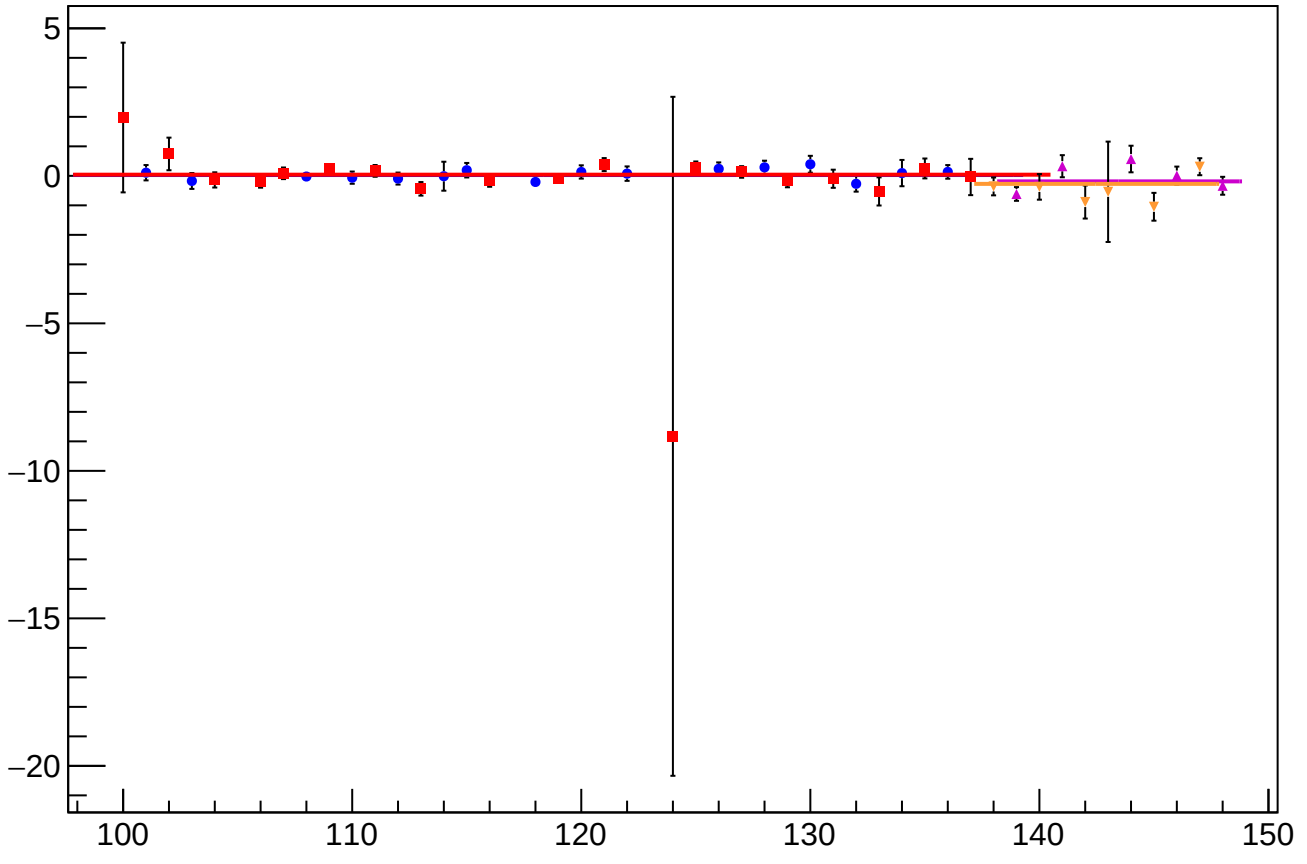
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3192419.4/21

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2275329.8/23



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

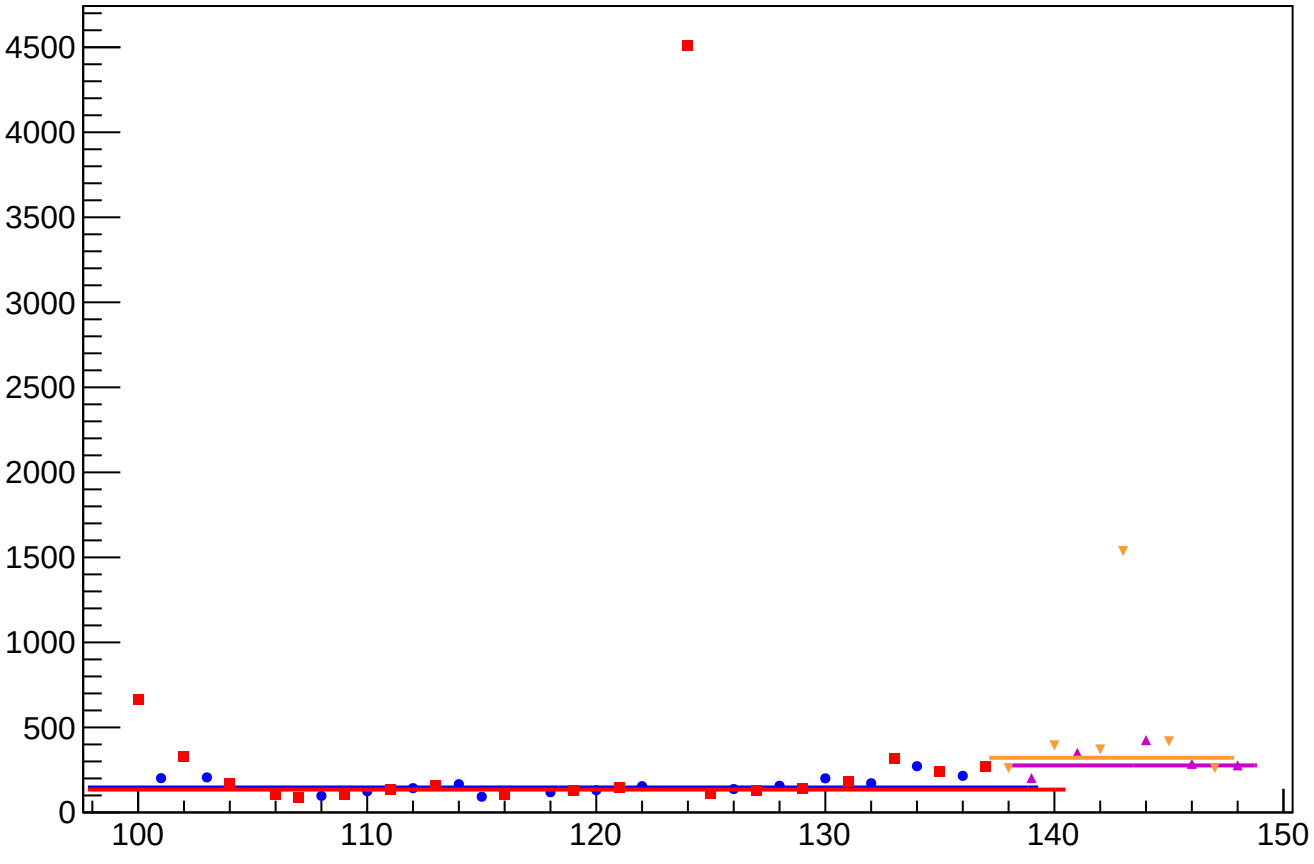
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



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

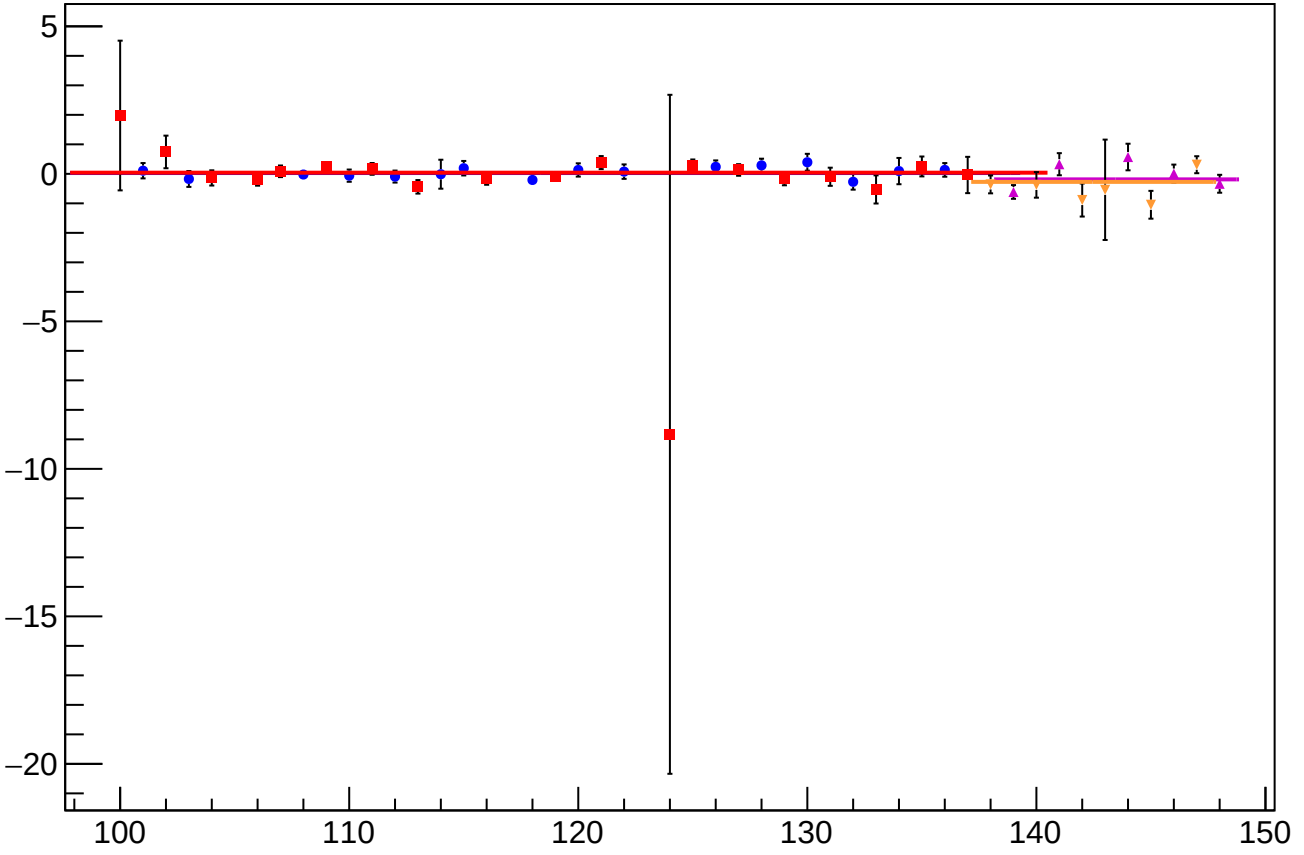
Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23

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

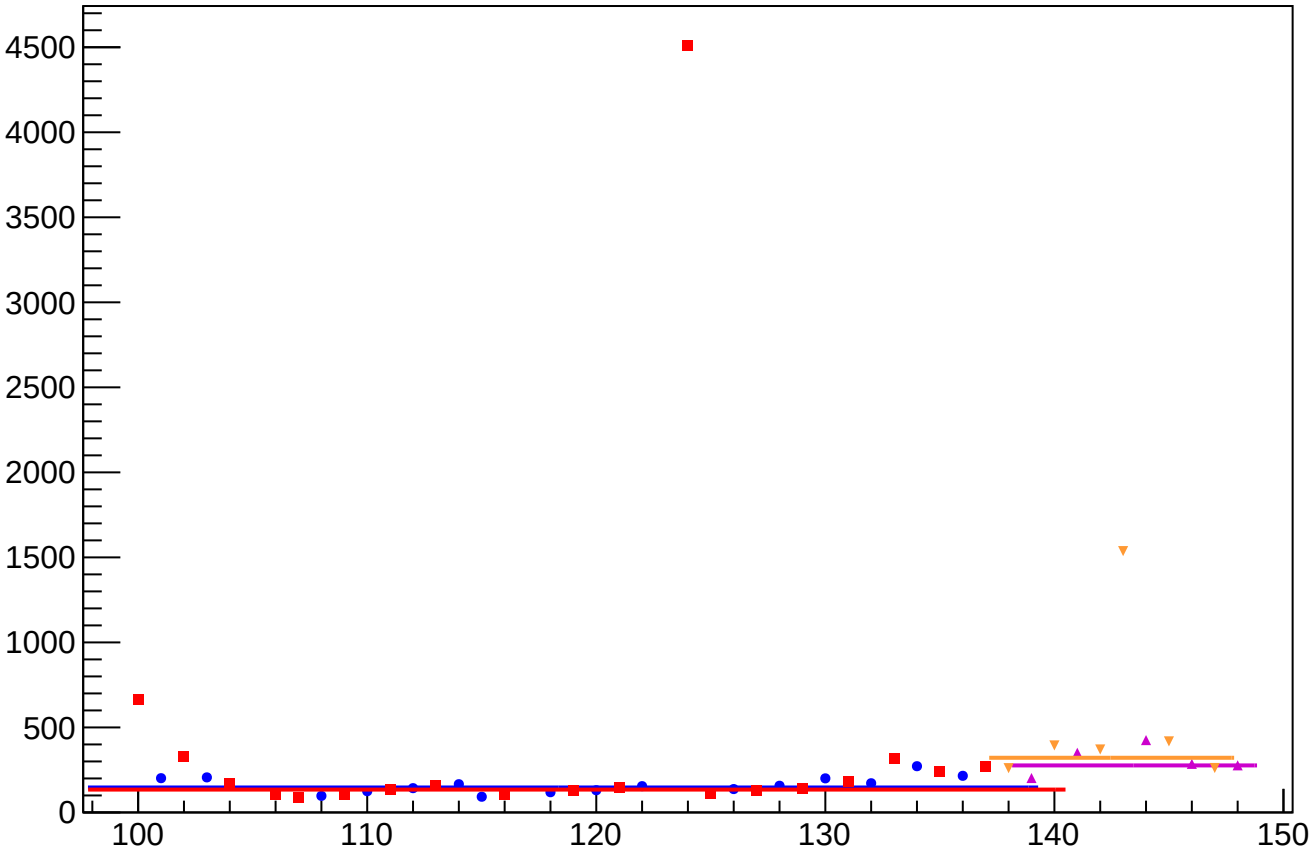
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

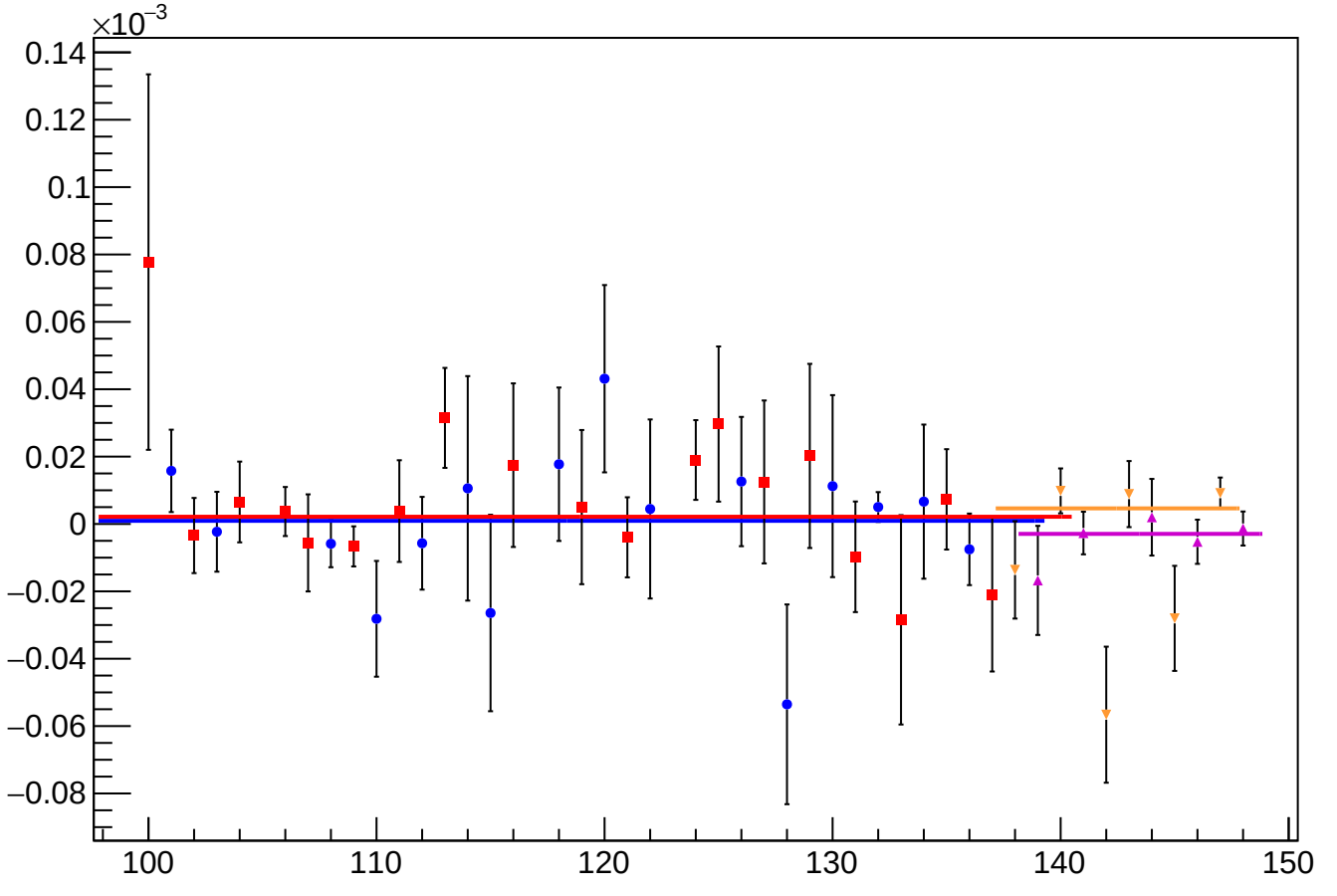
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323545.8/21

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

- sign 153.707+/-0.036 χ^2/NDF: 3927224.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

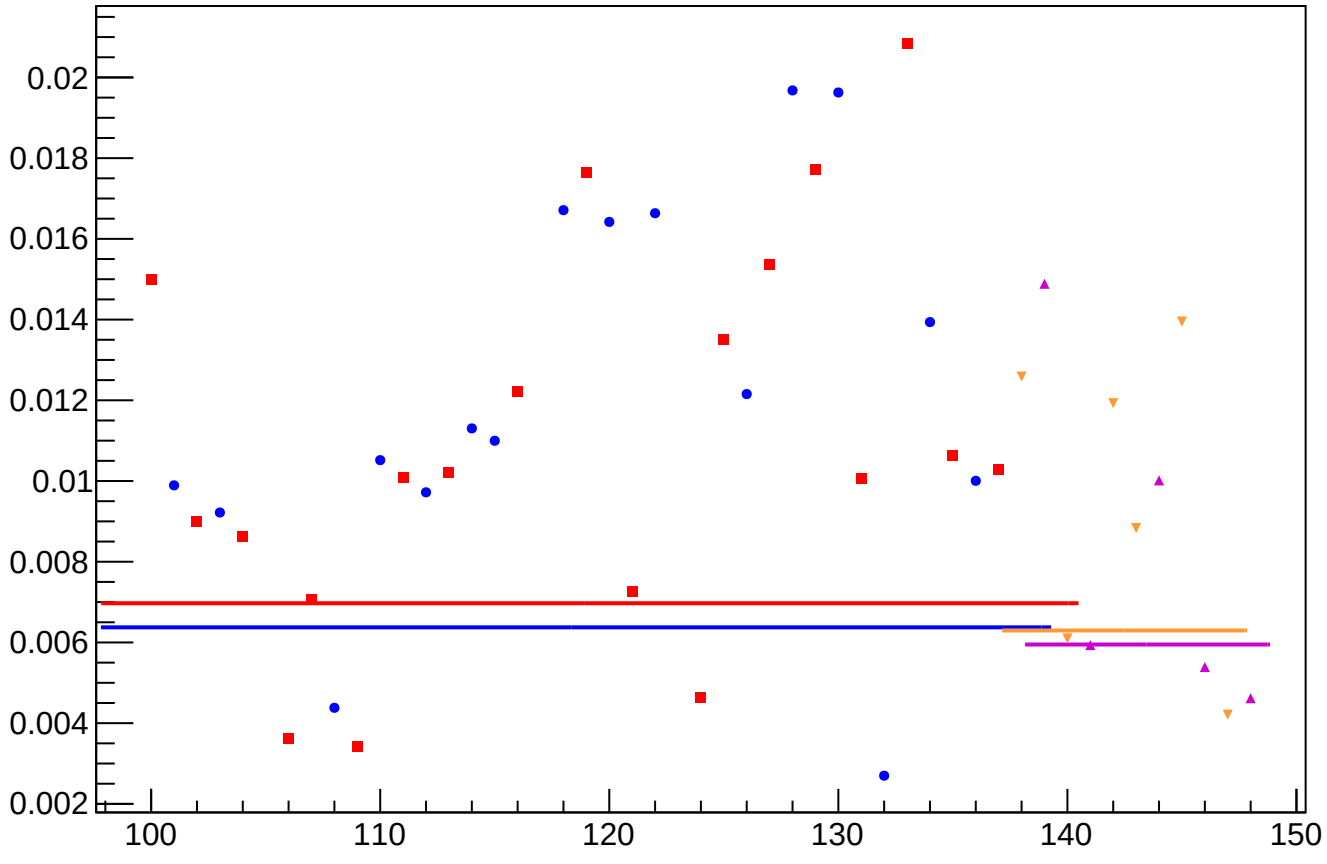
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/21

All: 0.000+/-0.000 χ^2/NDF: 51.9/45

- sign -0.000+/-0.000 χ^2/NDF: 18.5/23



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

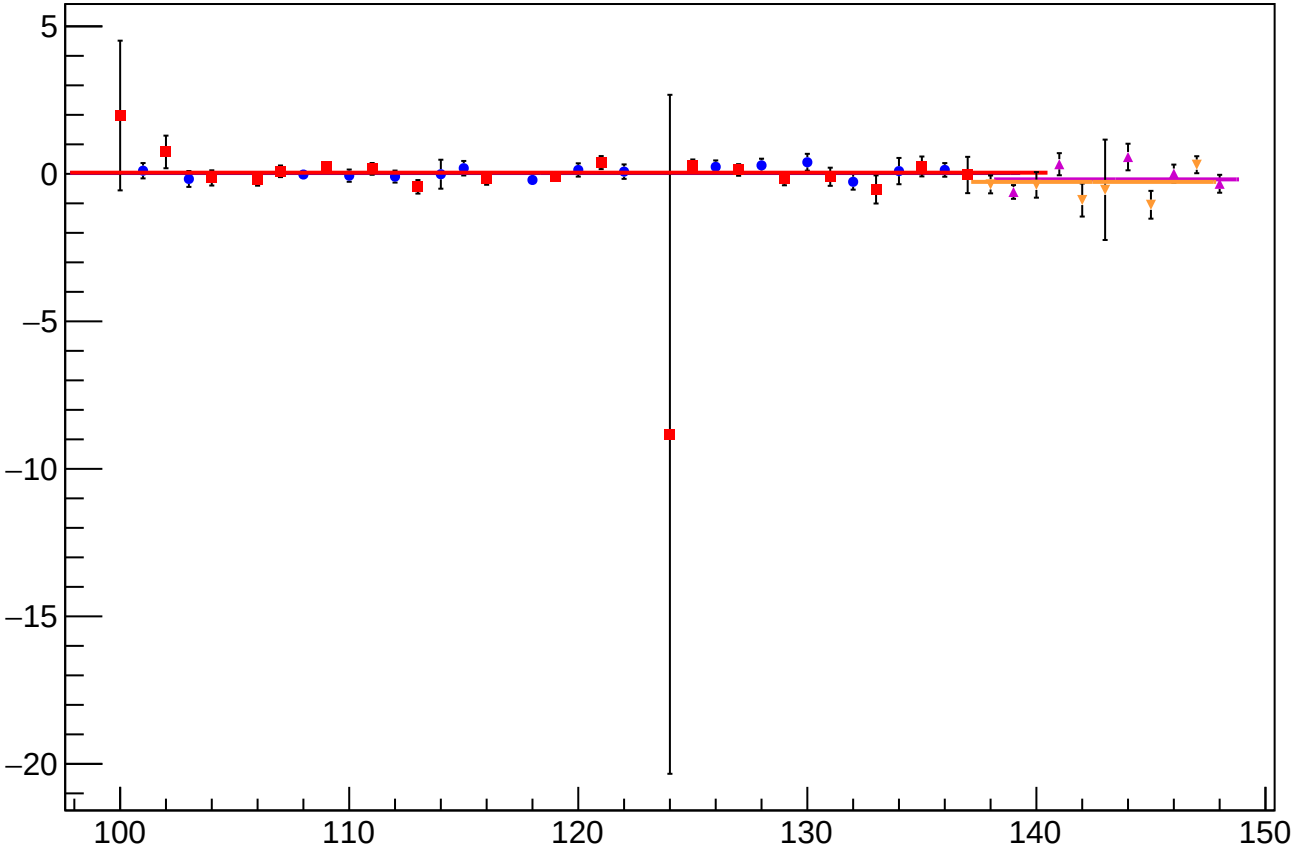
Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6198103.6/21

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

- sign 0.006+/-0.000 χ^2/NDF: 4537208.2/23

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

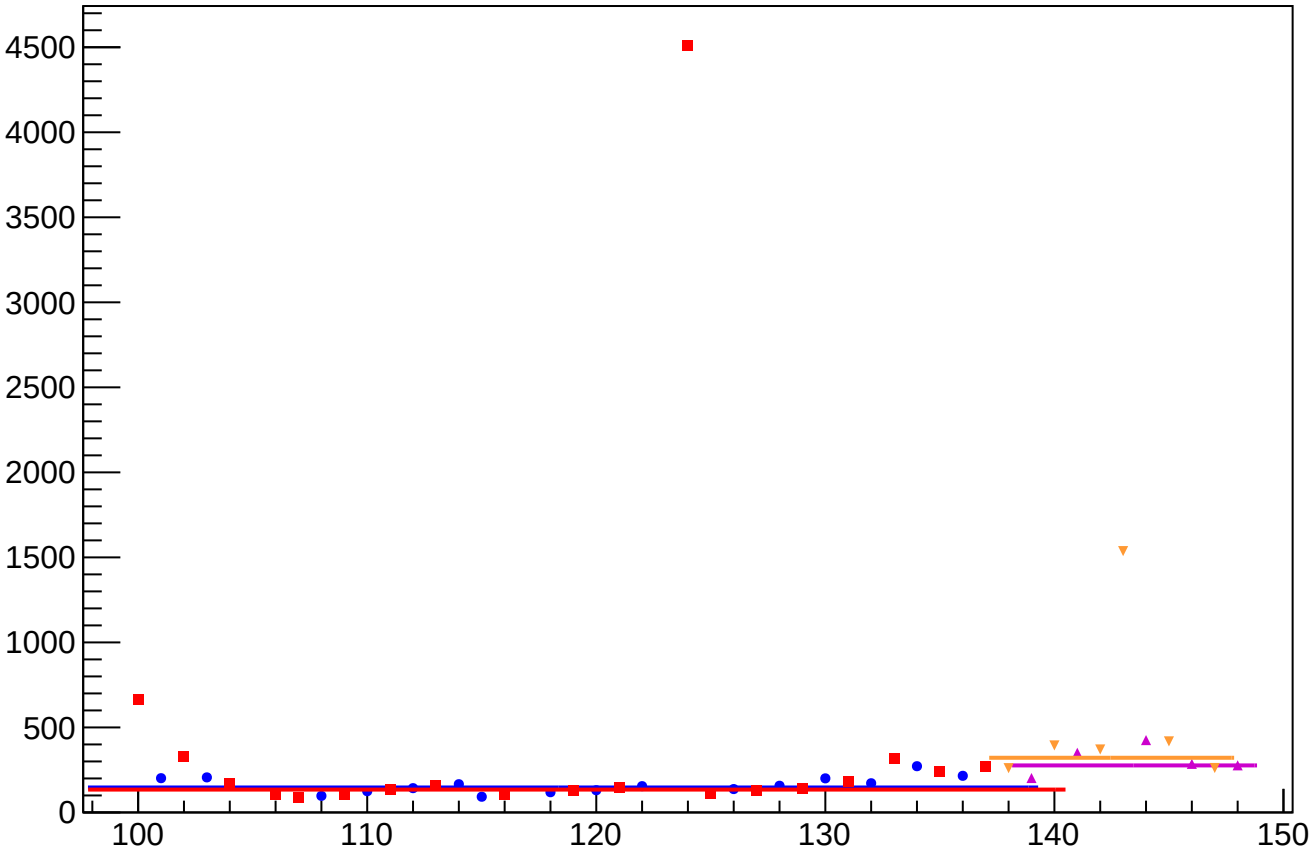
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23



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

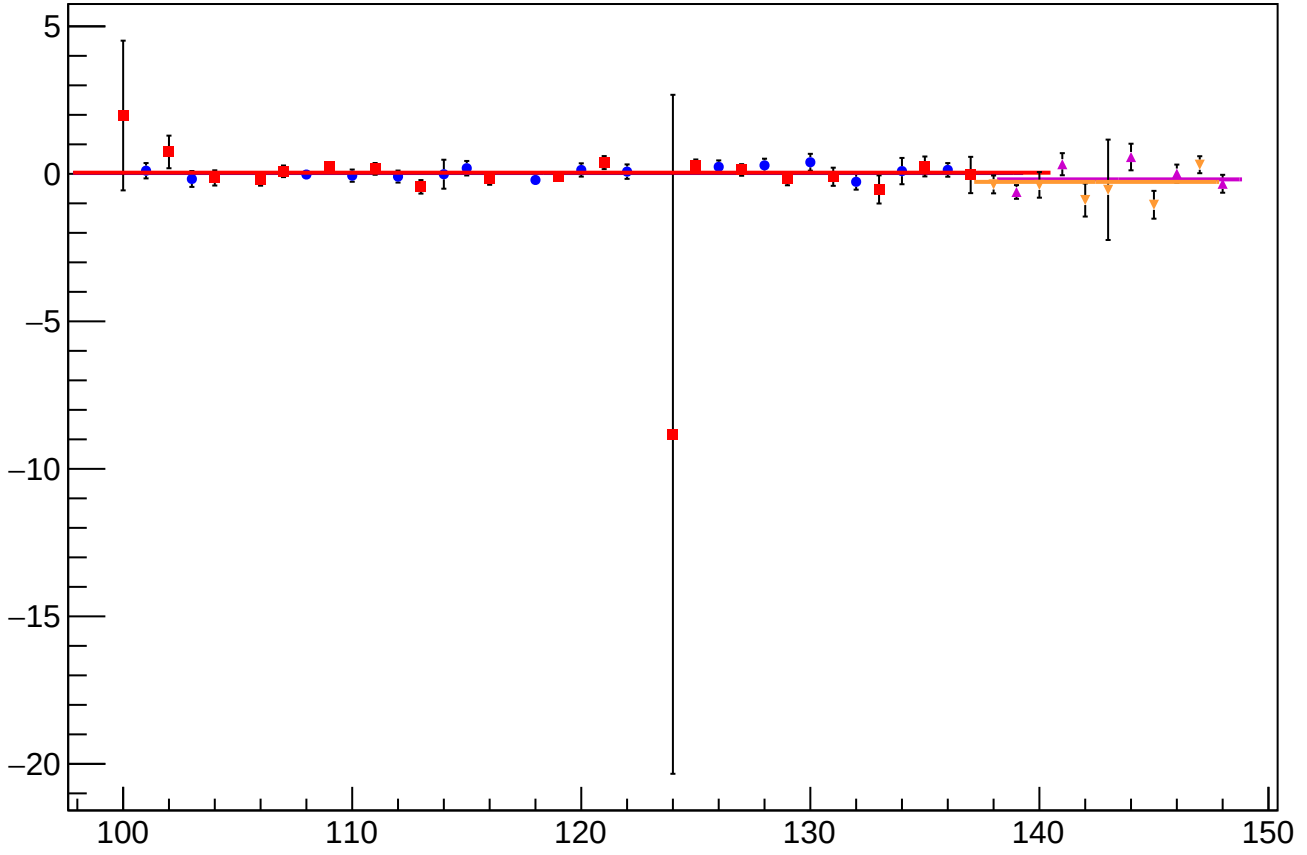
Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23

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

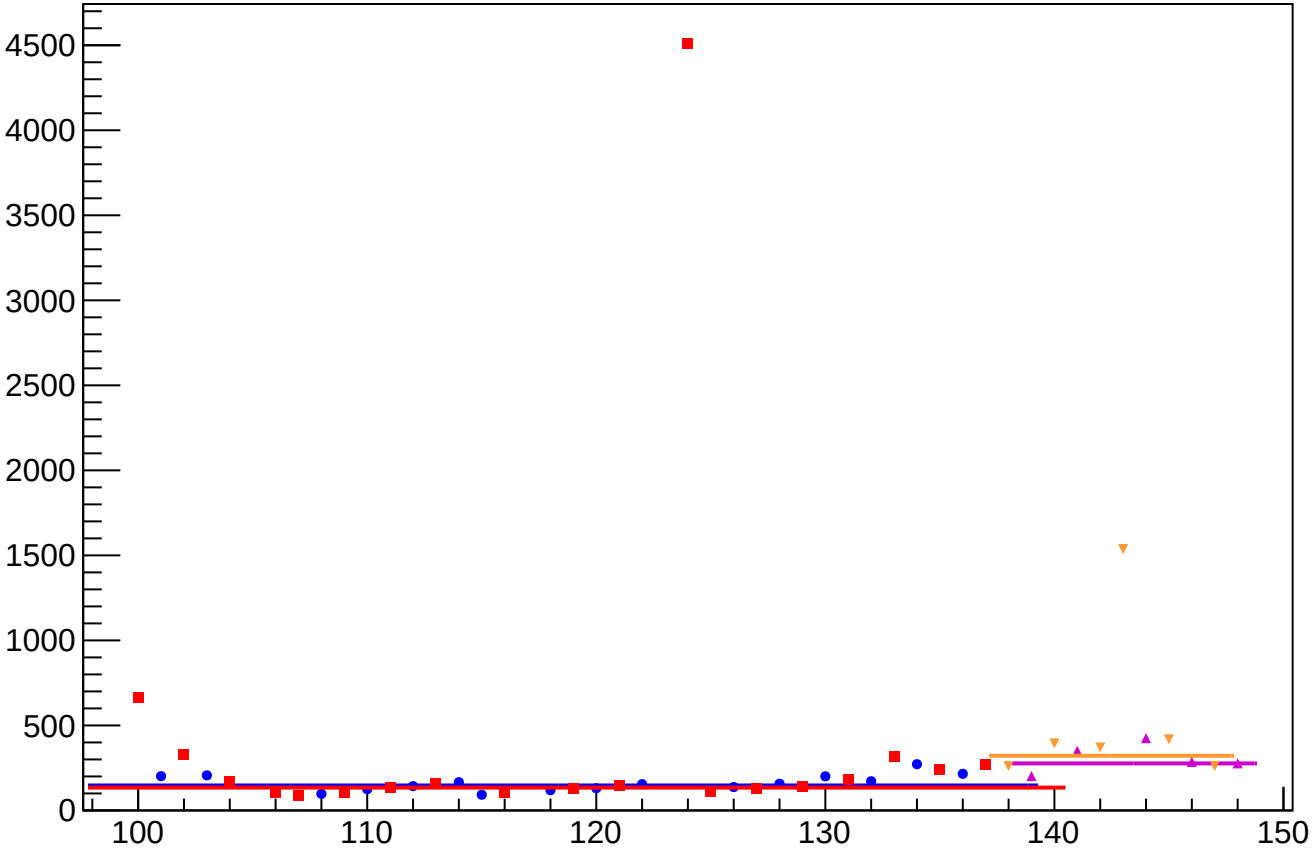
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.005+/-0.054 χ^2/NDF: 20.5/21

All: 0.002+/-0.037 χ^2/NDF: 51.6/45

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

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

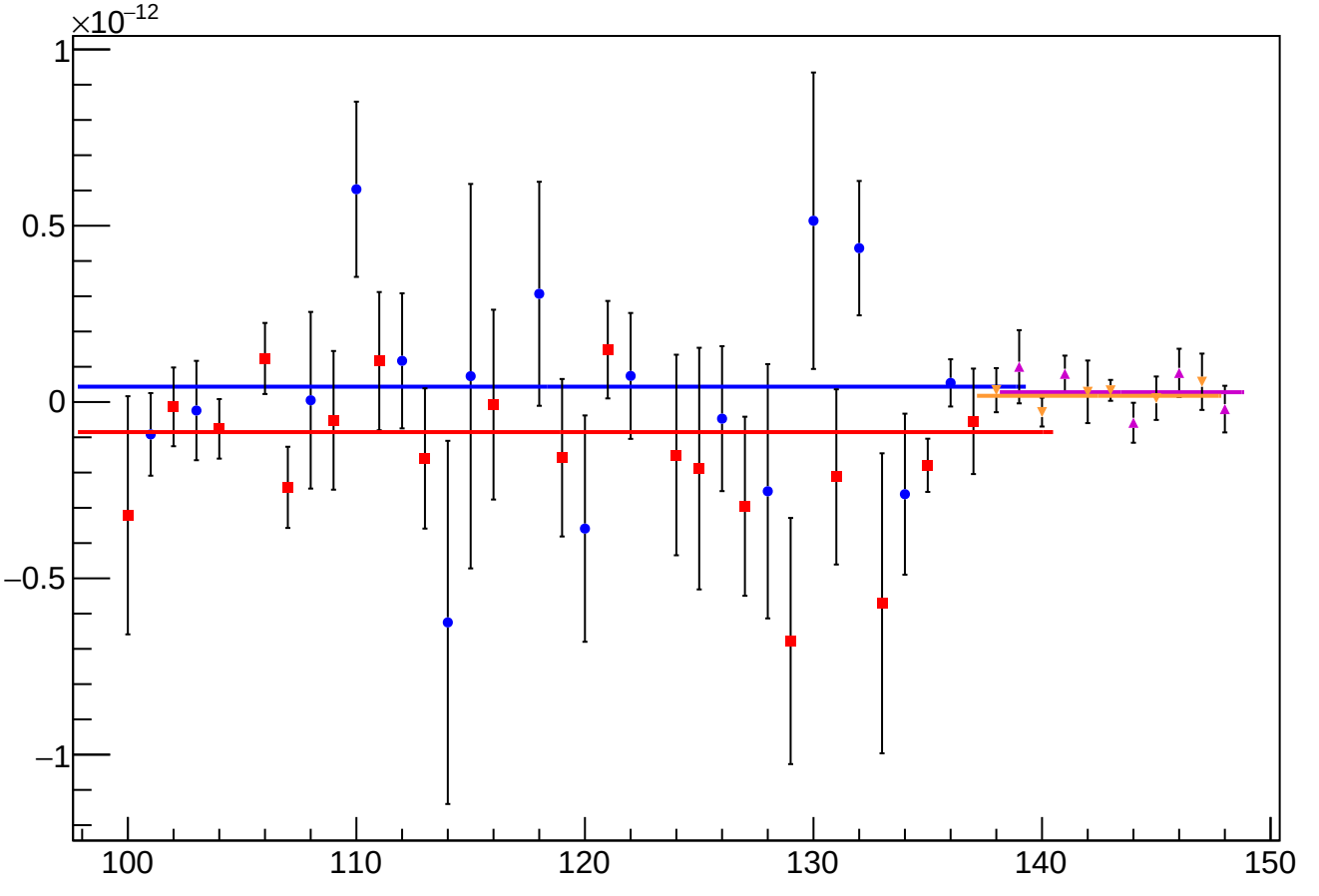
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 165.691+/-0.039 χ^2/NDF: 4323531.4/21

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

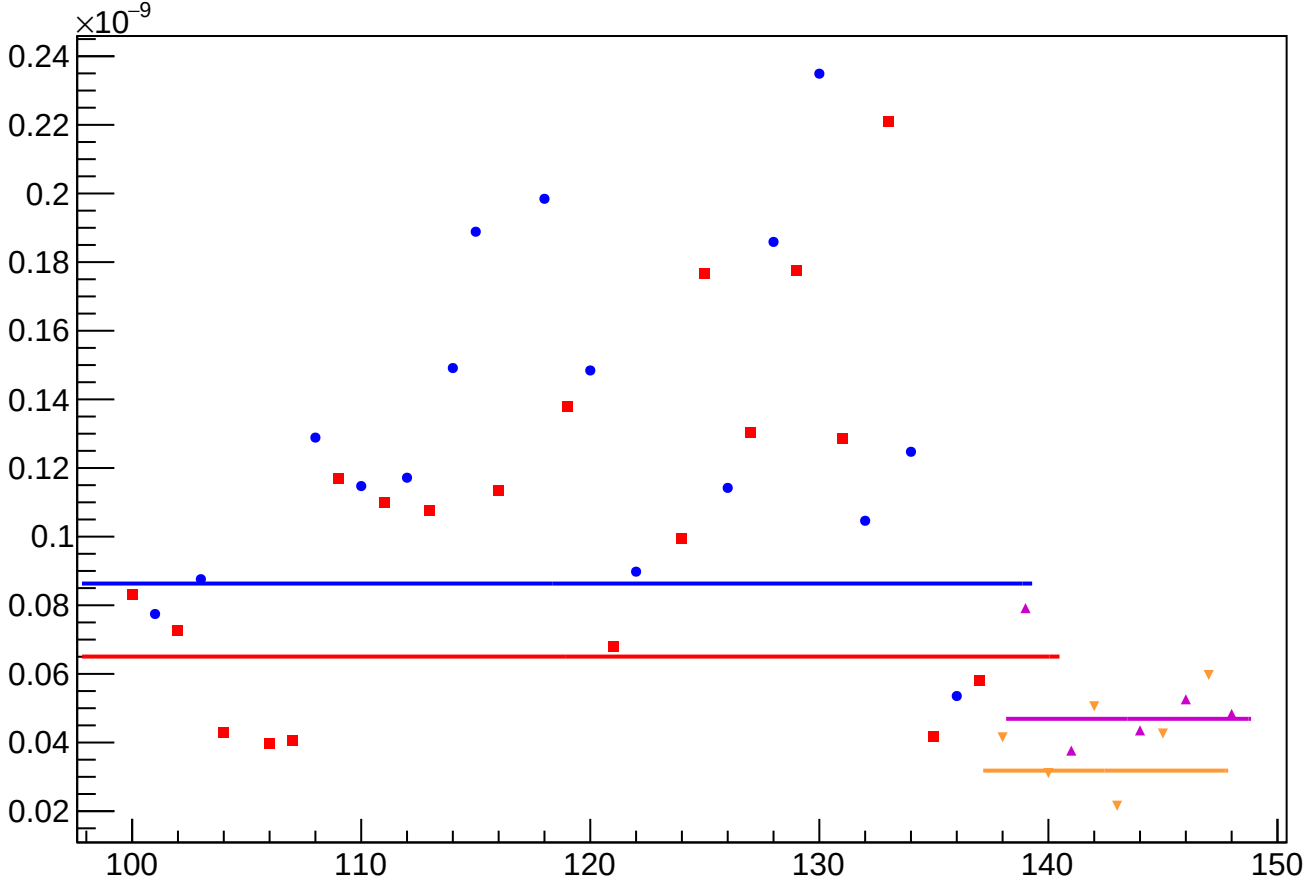
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 52.9/45

- sign -0.000+/-0.000 χ^2/NDF: 29.6/23



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

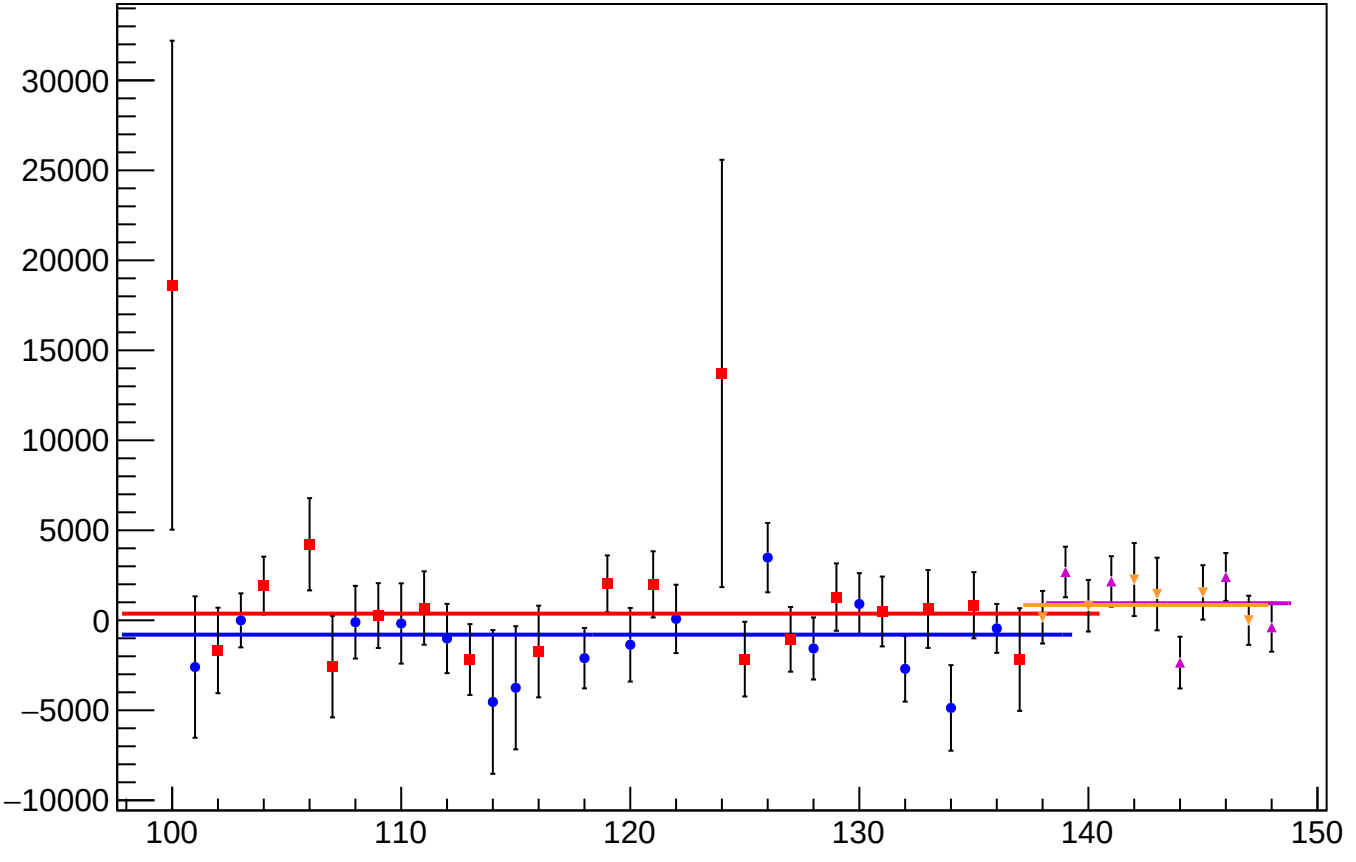
Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4923748.1/21

All: 0.000+/-0.000 χ^2/NDF: 8104455.7/45

- sign 0.000+/-0.000 χ^2/NDF: 2769218.1/23

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

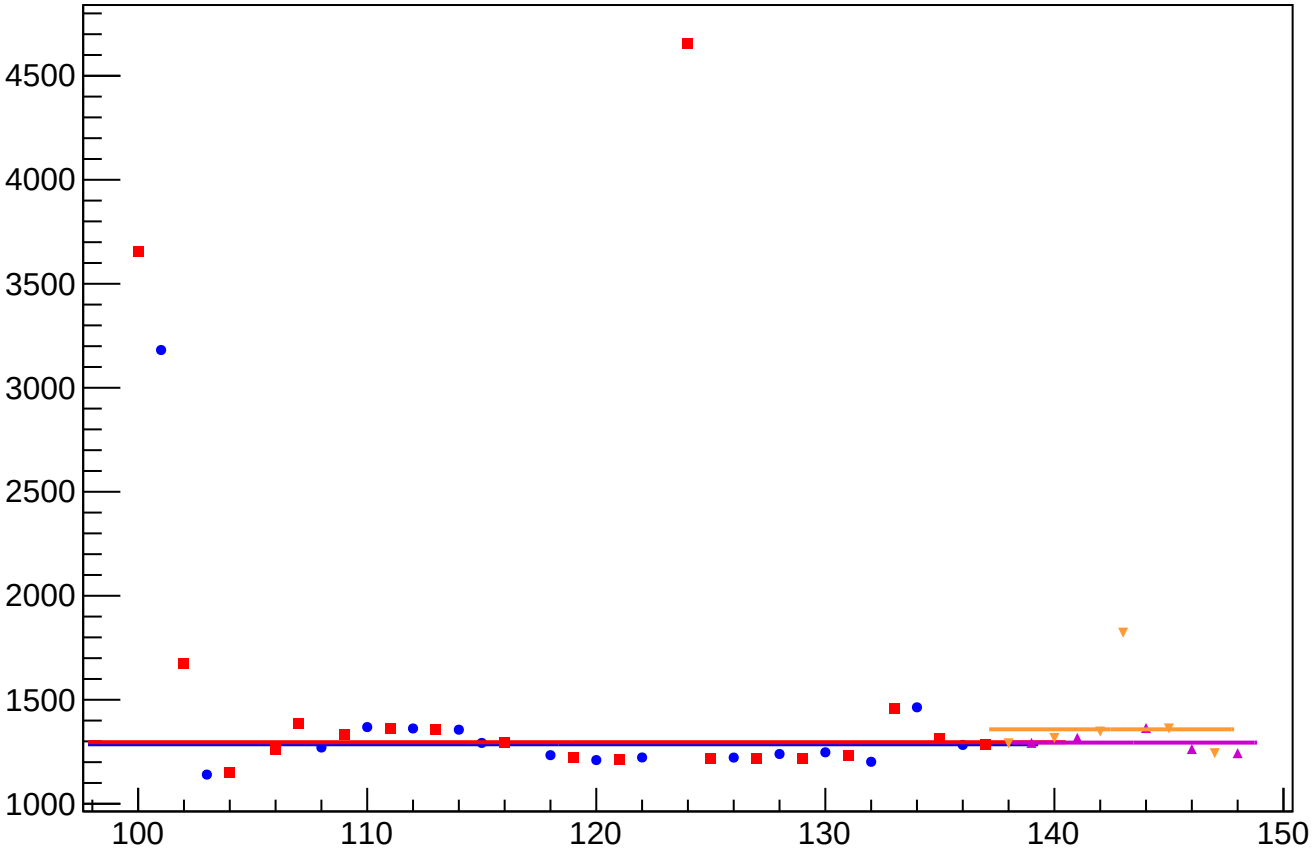
Left In: 948.937+/-619.013 χ^2/NDF:9.7/4

+ sign -195.270+/-388.481 χ^2/NDF: 19.0/21

All: 204.137+/-272.441 χ^2/NDF: 46.9/45

- sign 590.684+/-382.176 χ^2/NDF: 25.9/23

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

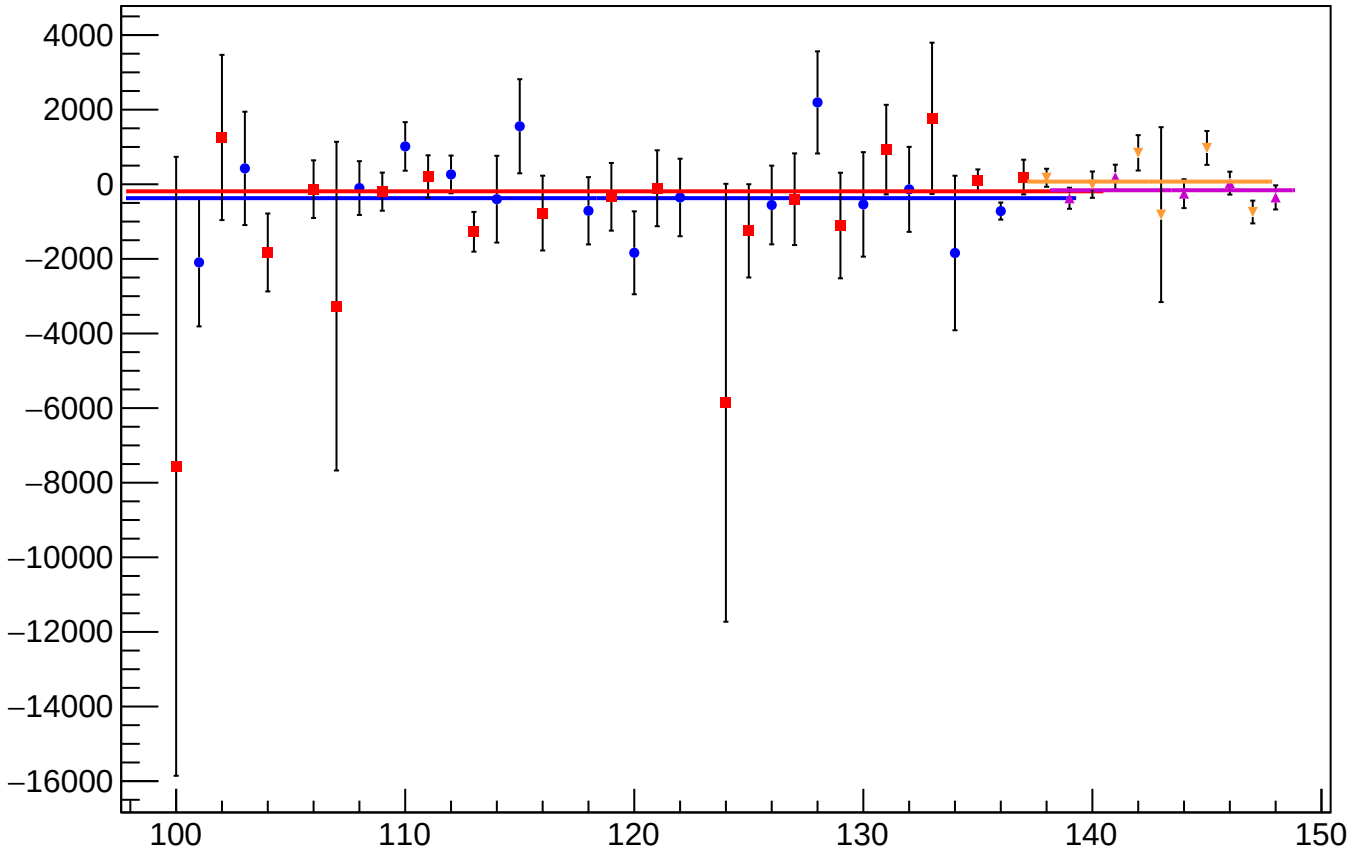
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660157.4/21

All: 1303.606+/-0.193 χ^2/NDF: 999365.0/45

- sign 1295.221+/-0.270 χ^2/NDF: 337250.0/23



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 71.773+/-148.385 χ^2/NDF:14.1/5

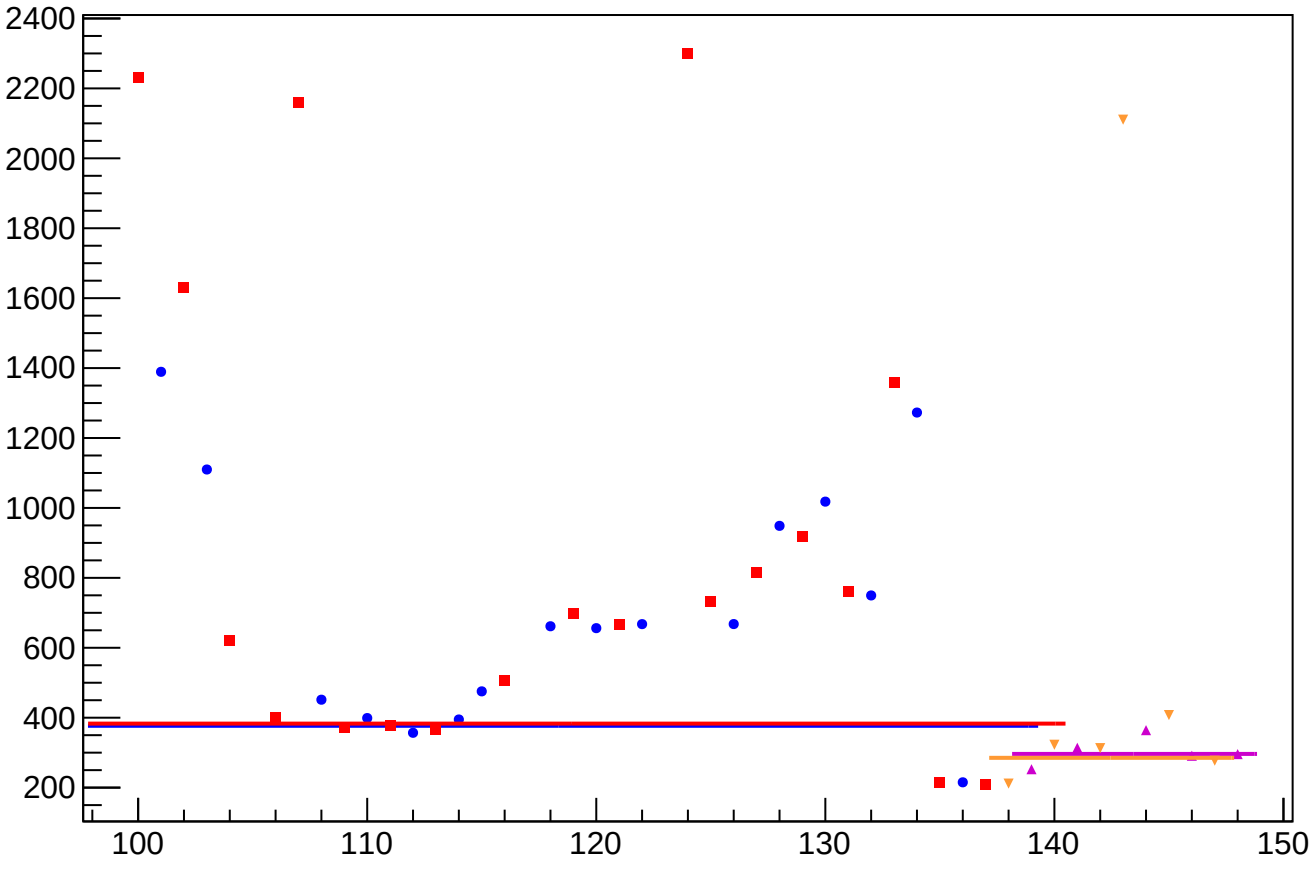
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -160.187+/-143.929 χ^2/NDF:2.5/4

\+ sign -122.584+/-111.275 χ^2/NDF: 36.2/21

All: -147.753+/-78.132 χ^2/NDF: 53.4/45

\- sign -172.229+/-109.732 χ^2/NDF: 17.1/23



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 285.205+/-0.105 χ^2/NDF:1575201.5/5

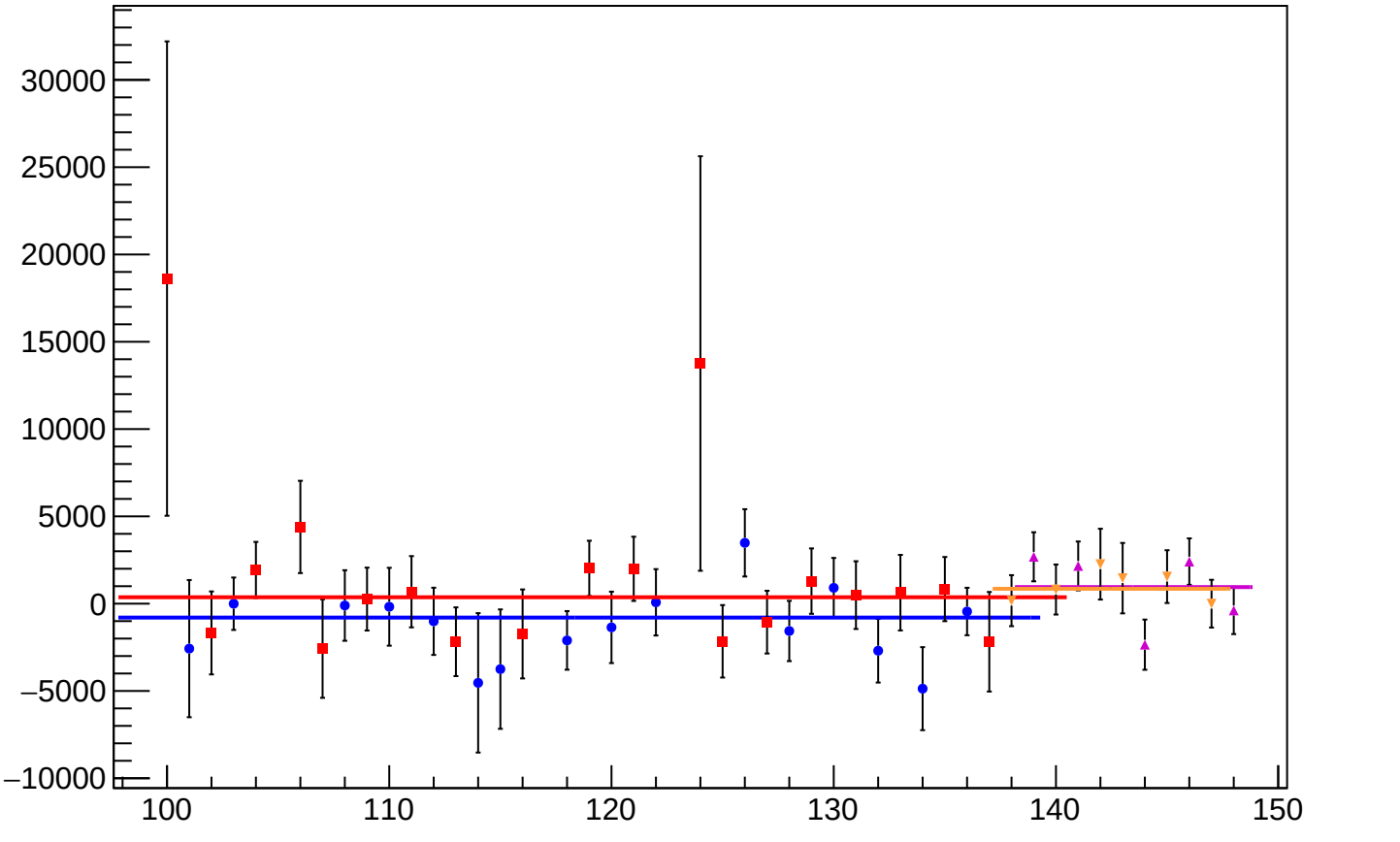
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

+ sign 325.332+/-0.079 χ^2/NDF: 6099584.5/21

All: 329.064+/-0.055 χ^2/NDF: 10577625.9/45

- sign 332.693+/-0.078 χ^2/NDF: 4473603.3/23



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

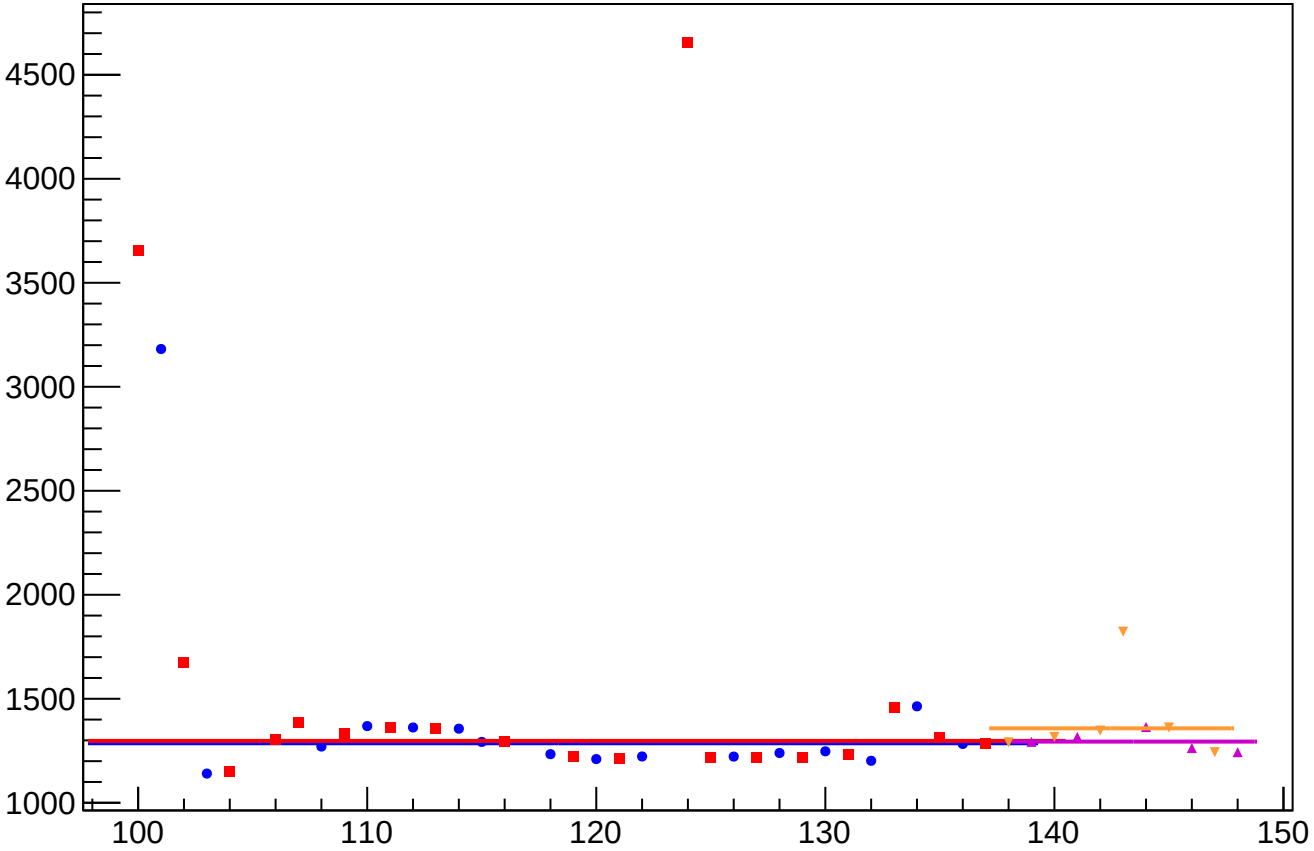
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 203.371+/-272.533 χ^2/NDF: 47.0/45

- sign 589.431+/-382.430 χ^2/NDF: 25.9/23

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

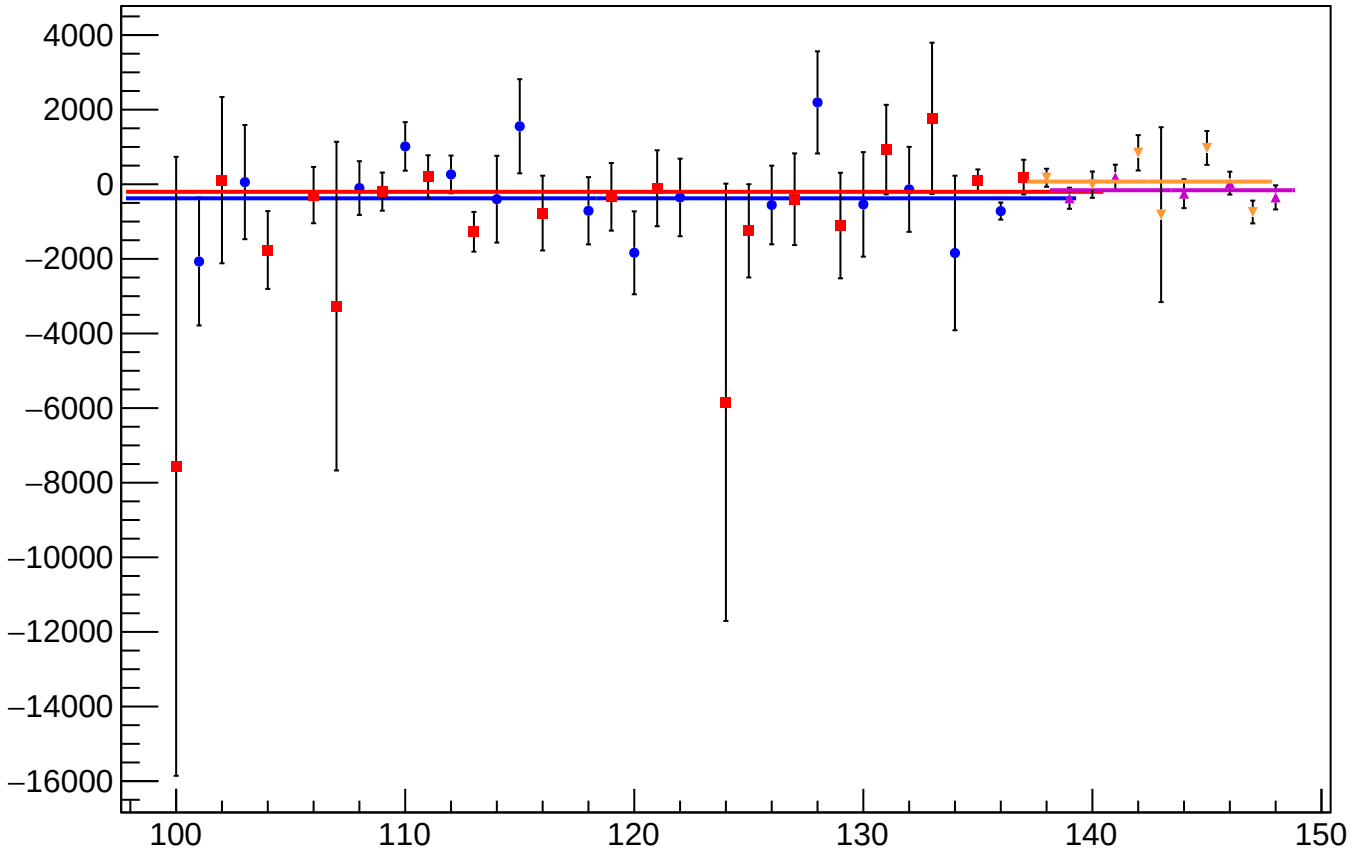
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

- sign 1296.117+/-0.270 χ^2/NDF: 336946.3/23



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

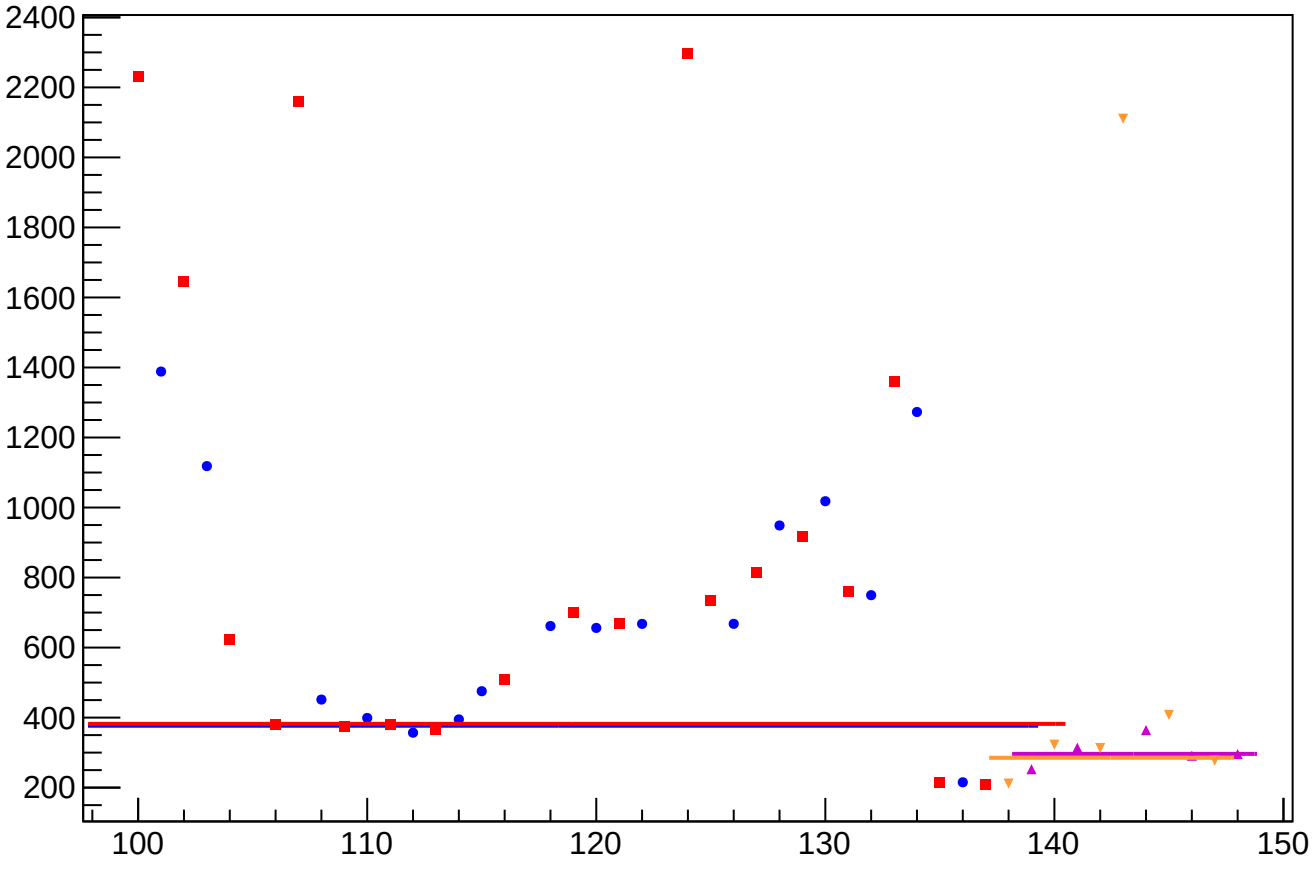
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -151.537+/-78.115 χ^2/NDF: 52.7/45

- sign -177.835+/-109.678 χ^2/NDF: 16.5/23



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

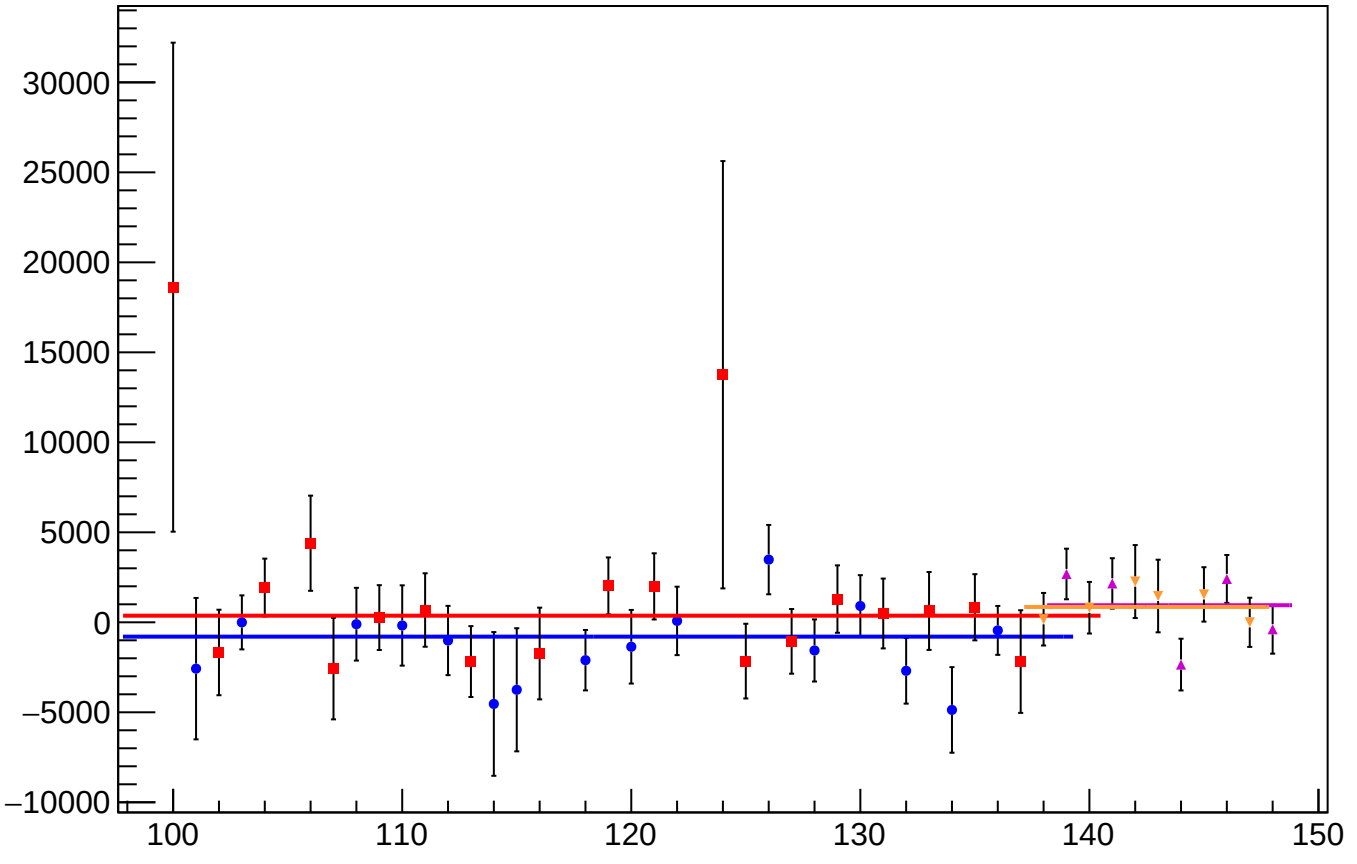
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45

- sign 332.349+/-0.078 χ^2/NDF: 4472936.1/23



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

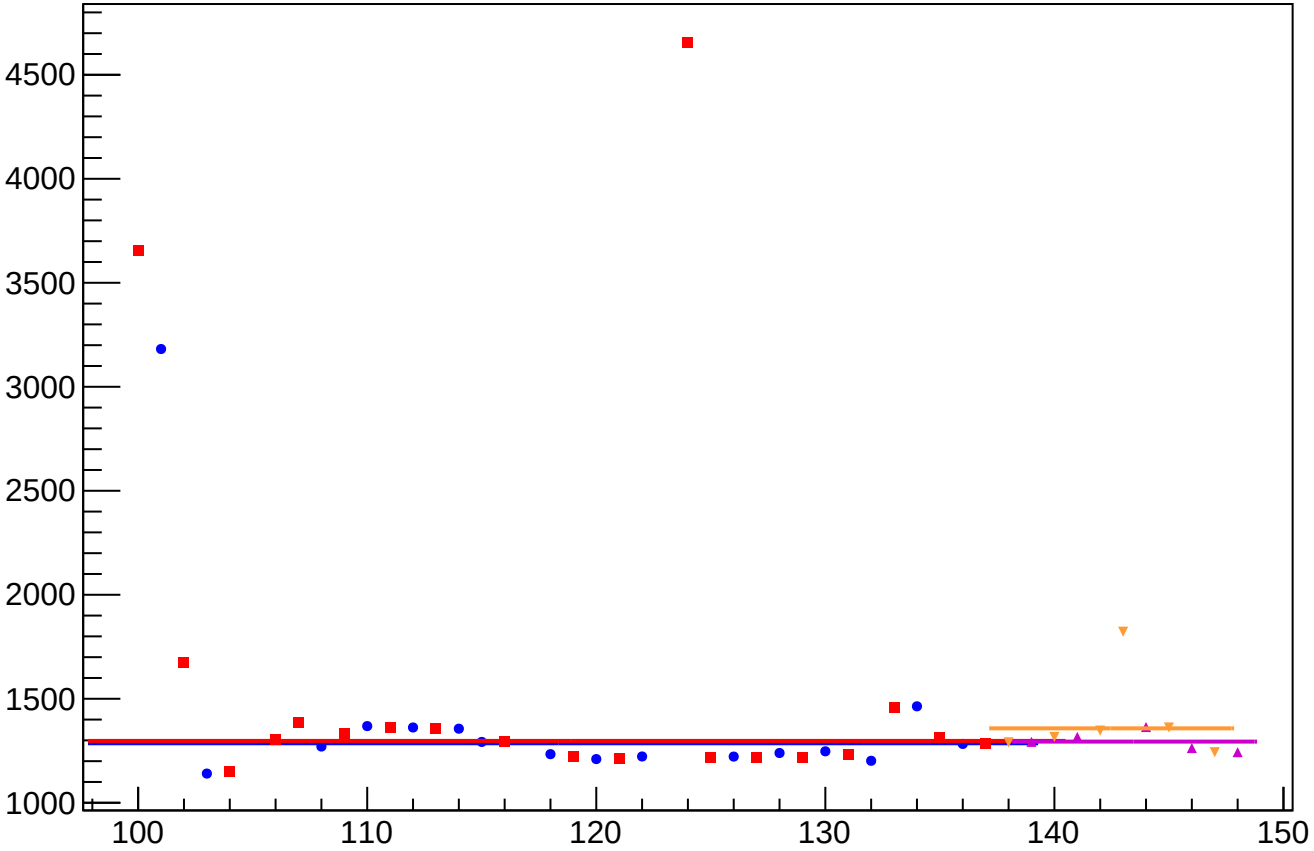
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -195.002+/-388.481 χ^2/NDF: 19.0/21

All: 203.371+/-272.533 χ^2/NDF: 47.0/45

- sign 589.431+/-382.430 χ^2/NDF: 25.9/23

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

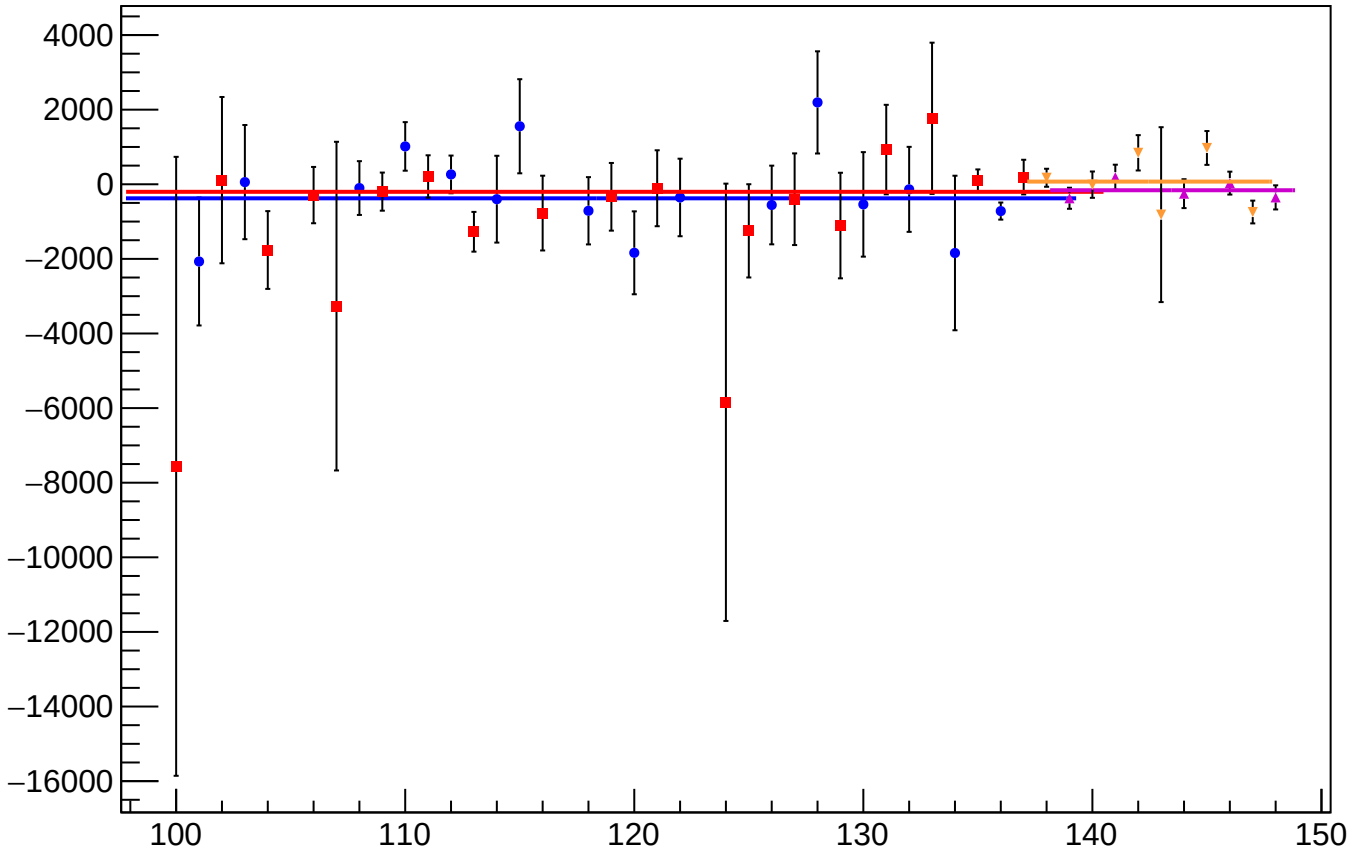
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1312.270+/-0.275 χ^2/NDF: 660158.9/21

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

- sign 1296.117+/-0.270 χ^2/NDF: 336946.3/23



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

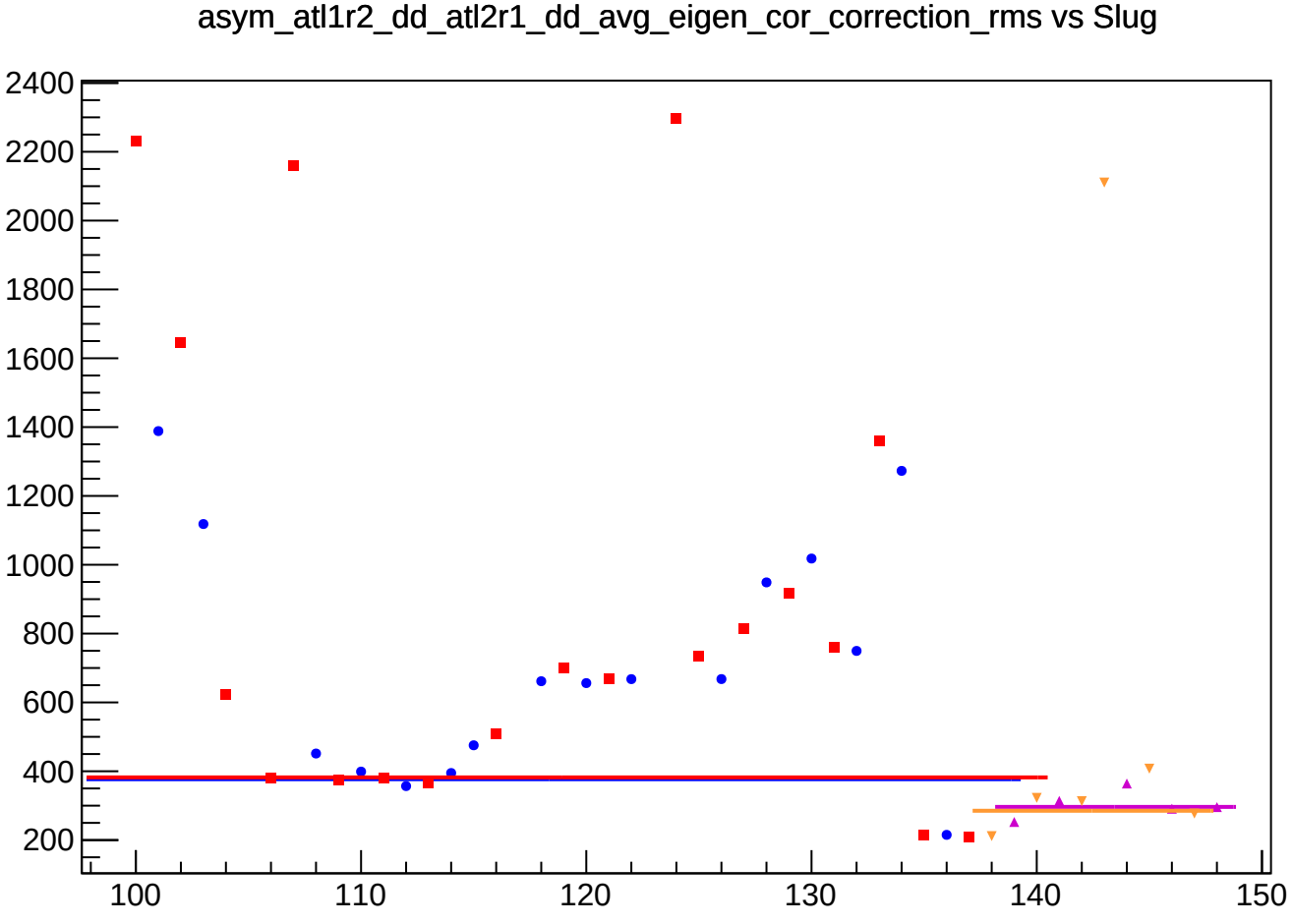
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -124.465+/-111.283 χ^2/NDF: 36.1/21

All: -151.537+/-78.115 χ^2/NDF: 52.7/45

- sign -177.835+/-109.678 χ^2/NDF: 16.5/23



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

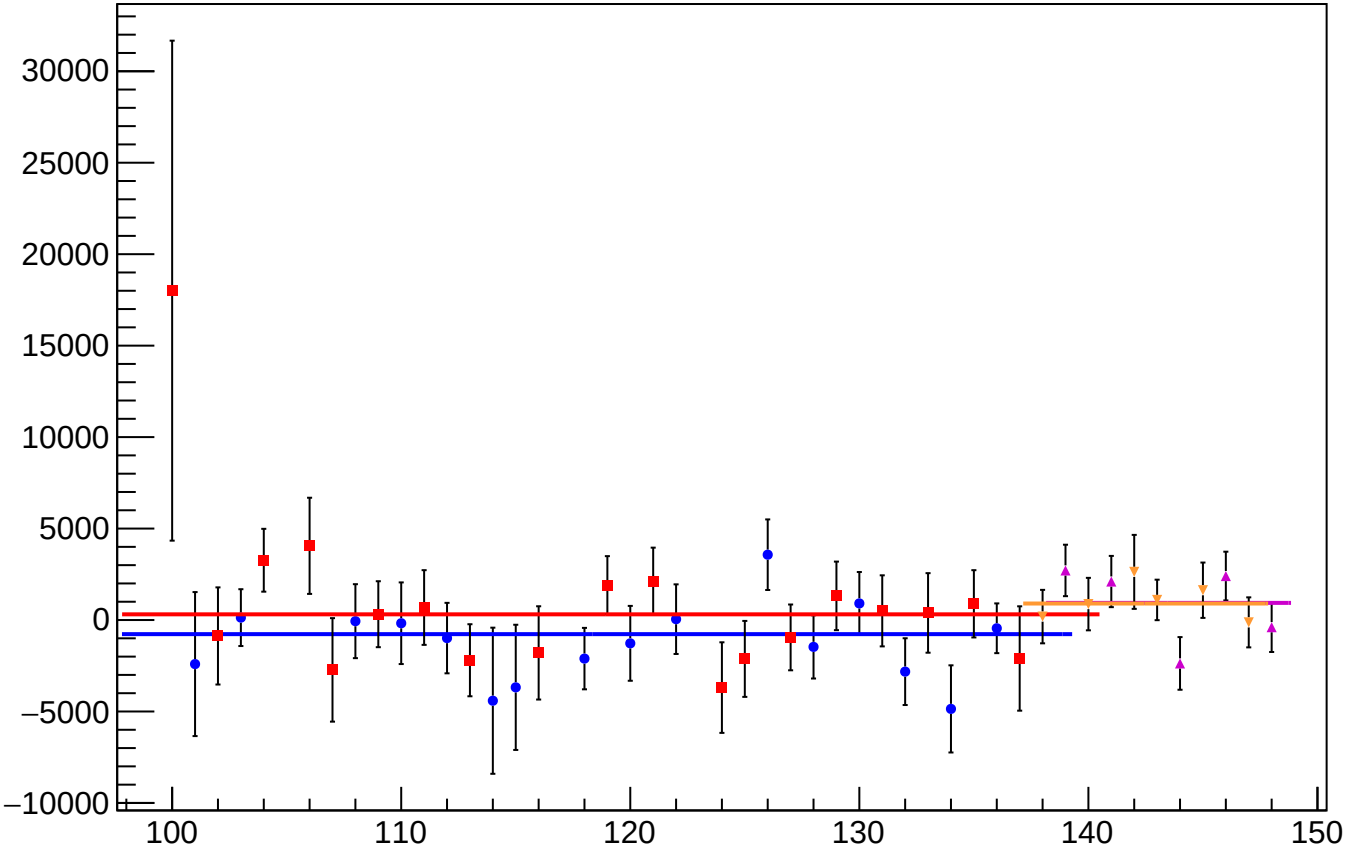
Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 325.330+/-0.079 χ^2/NDF: 6102526.7/21

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45

- sign 332.349+/-0.078 χ^2/NDF: 4472936.1/23

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

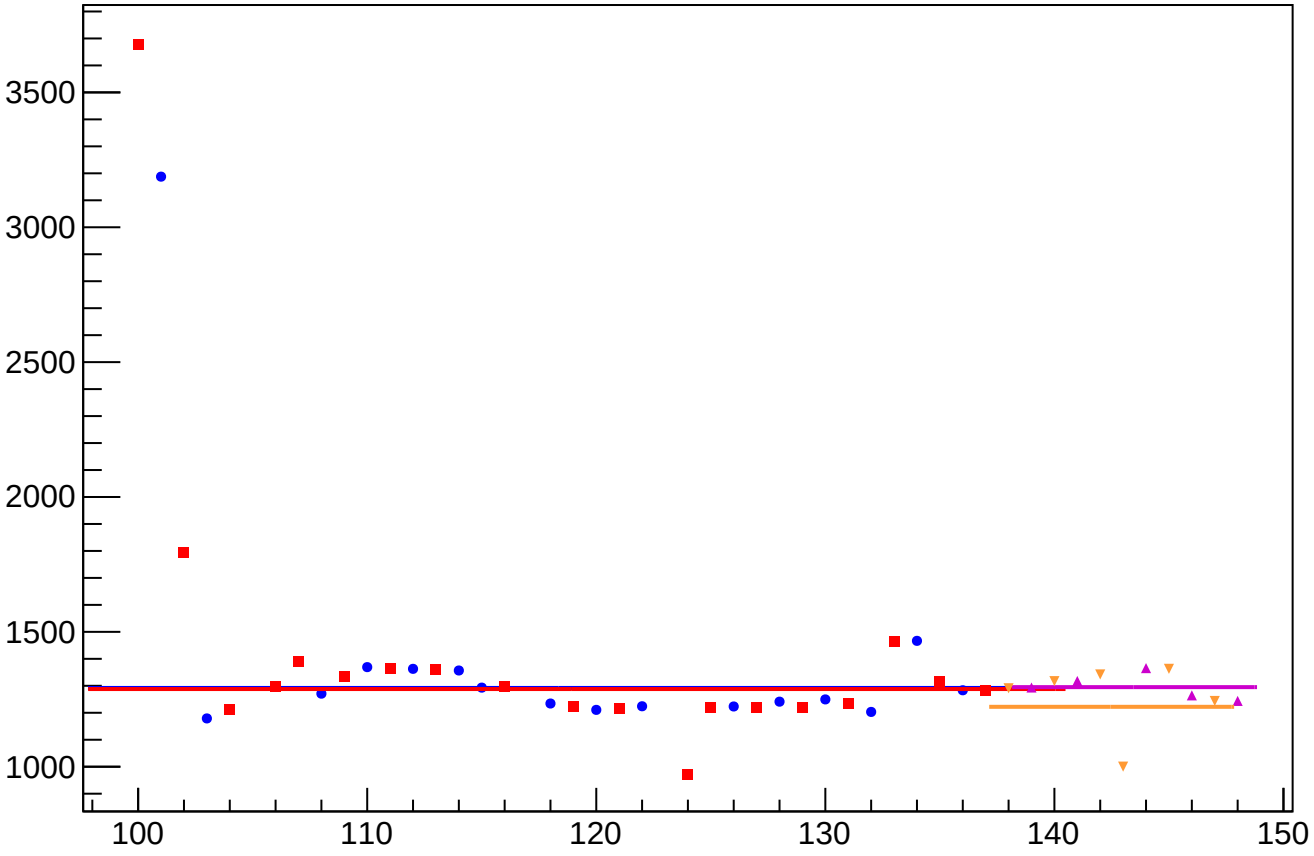
Left In: 937.011+/-619.503 χ^2/NDF:9.7/4

+ sign -73.085+/-373.760 χ^2/NDF: 20.3/21

All: 231.574+/-266.720 χ^2/NDF: 50.0/45

- sign 547.710+/-380.734 χ^2/NDF: 28.3/23

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

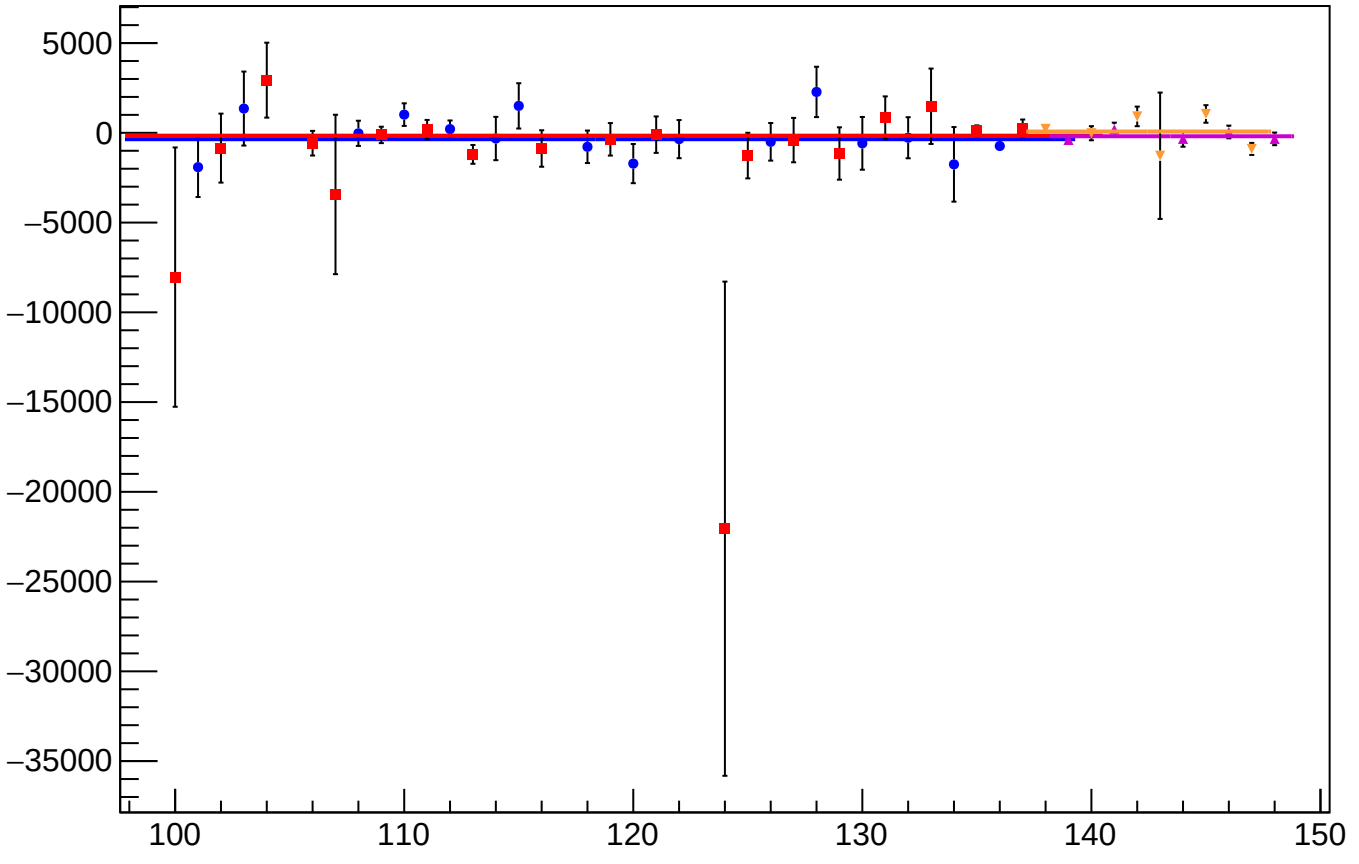
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1262.857+/-0.264 χ^2/NDF: 644812.4/21

All: 1276.502+/-0.189 χ^2/NDF: 868832.7/45

- sign 1290.661+/-0.269 χ^2/NDF: 218589.1/23



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

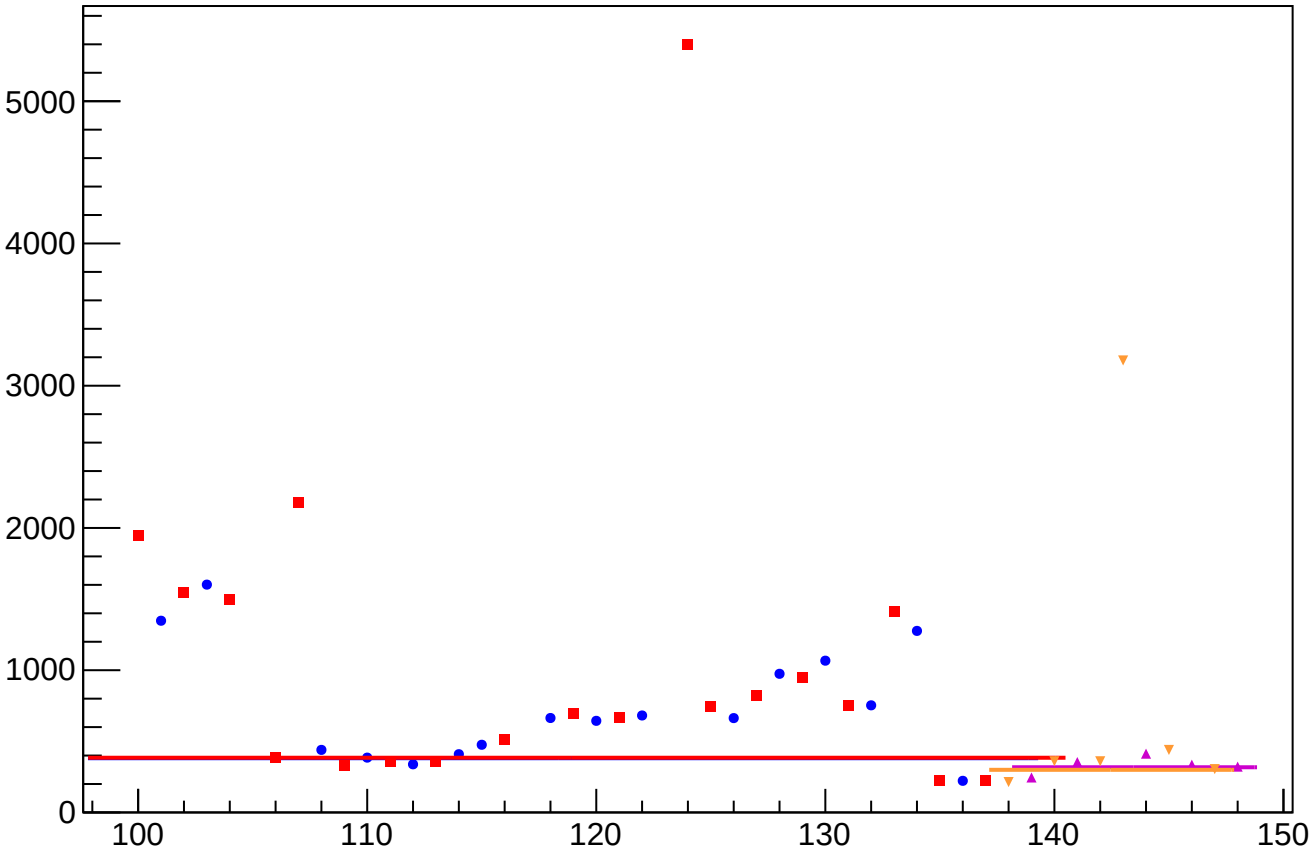
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -192.040+/-155.654 χ^2/NDF:2.3/4

+ sign -126.191+/-115.900 χ^2/NDF: 37.2/21

All: -151.582+/-81.525 χ^2/NDF: 55.4/45

- sign -176.448+/-114.698 χ^2/NDF: 18.1/23



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 299.713+/-0.112 χ^2/NDF:1821593.1/5

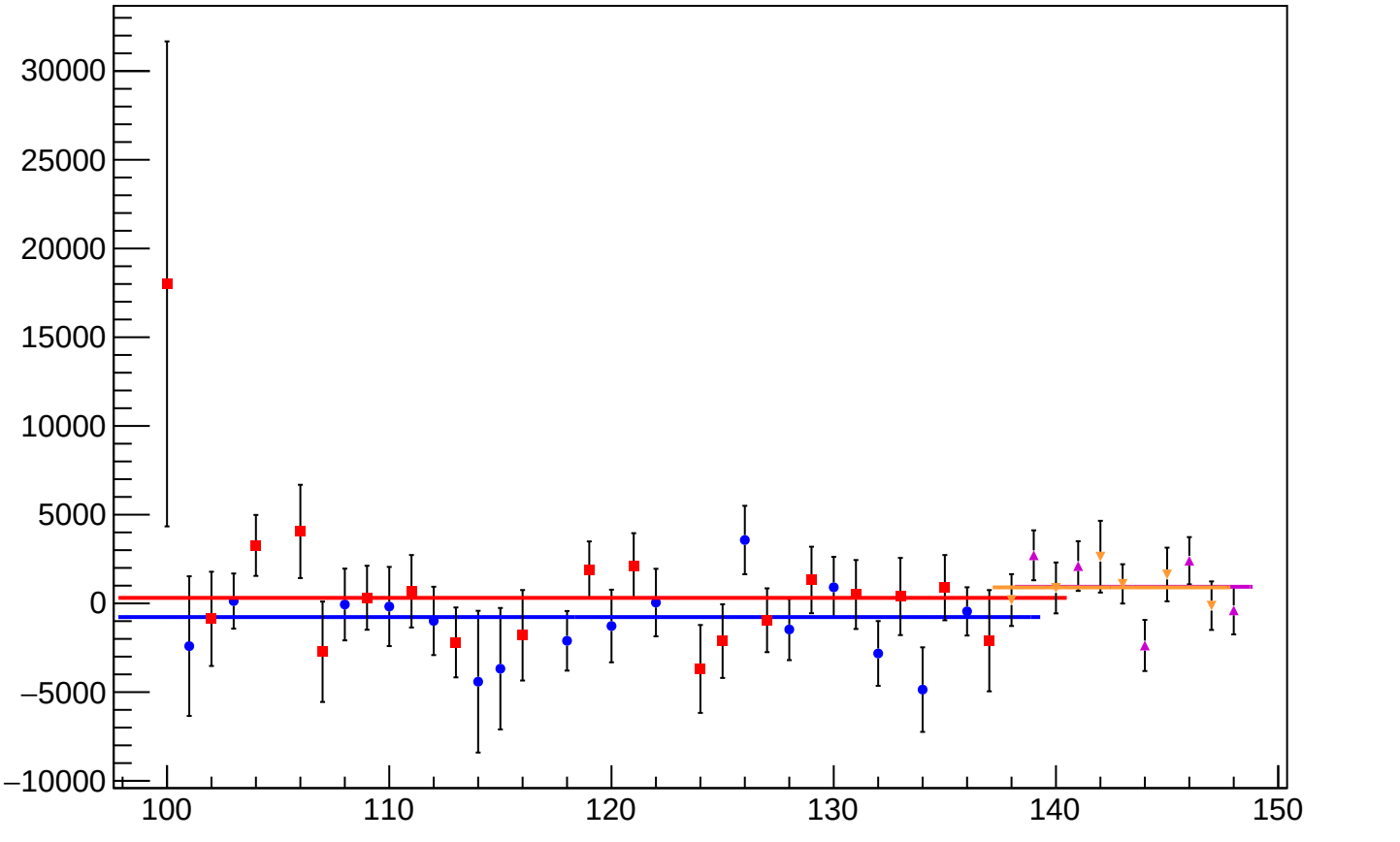
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

+ sign 337.671+/-0.082 χ^2/NDF: 6386360.8/21

All: 343.042+/-0.058 χ^2/NDF: 11378030.4/45

- sign 348.303+/-0.081 χ^2/NDF: 4983167.2/23



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

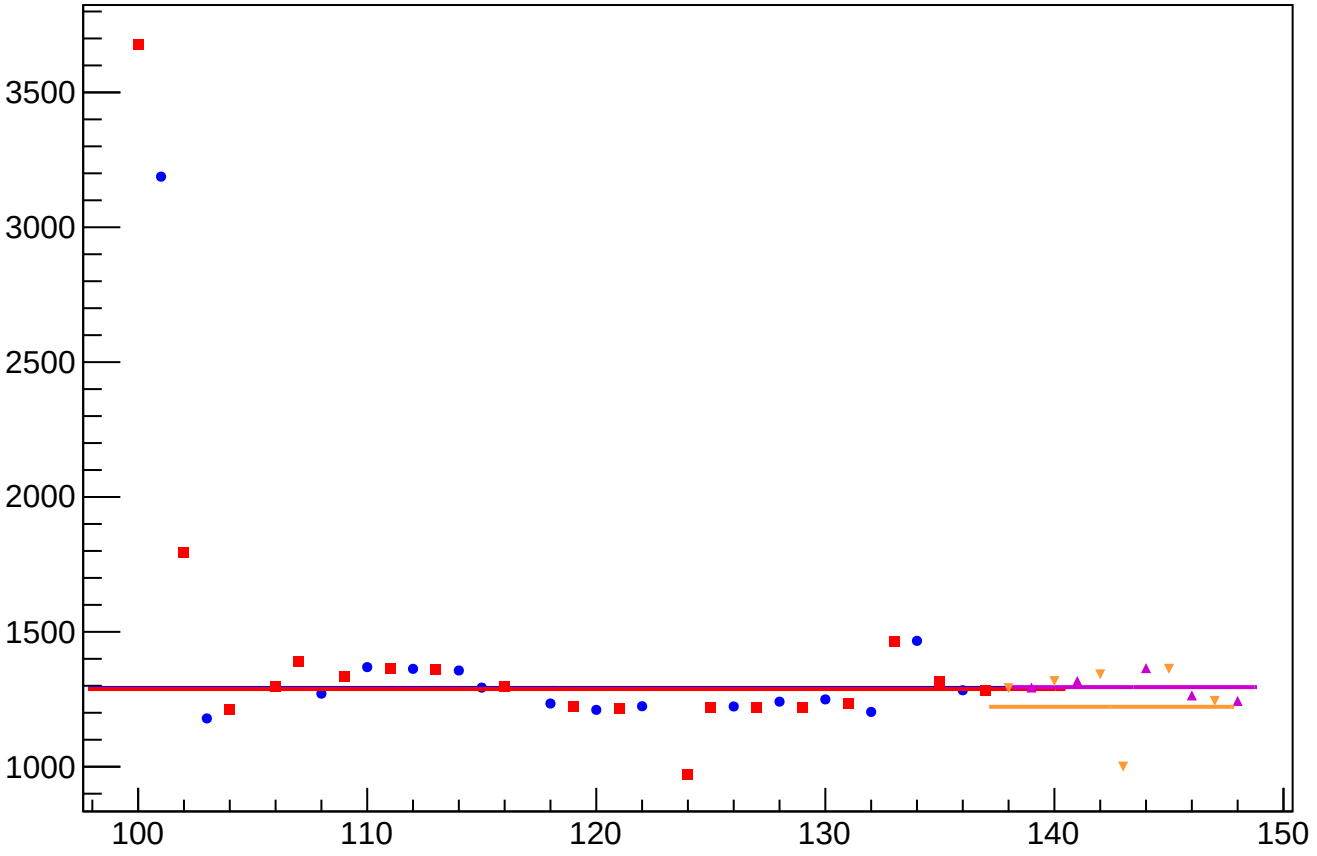
Left In: 937.007+/-619.503 χ^2/NDF:9.7/4

+ sign -73.086+/-373.760 χ^2/NDF: 20.3/21

All: 231.573+/-266.720 χ^2/NDF: 50.0/45

- sign 547.710+/-380.734 χ^2/NDF: 28.3/23

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

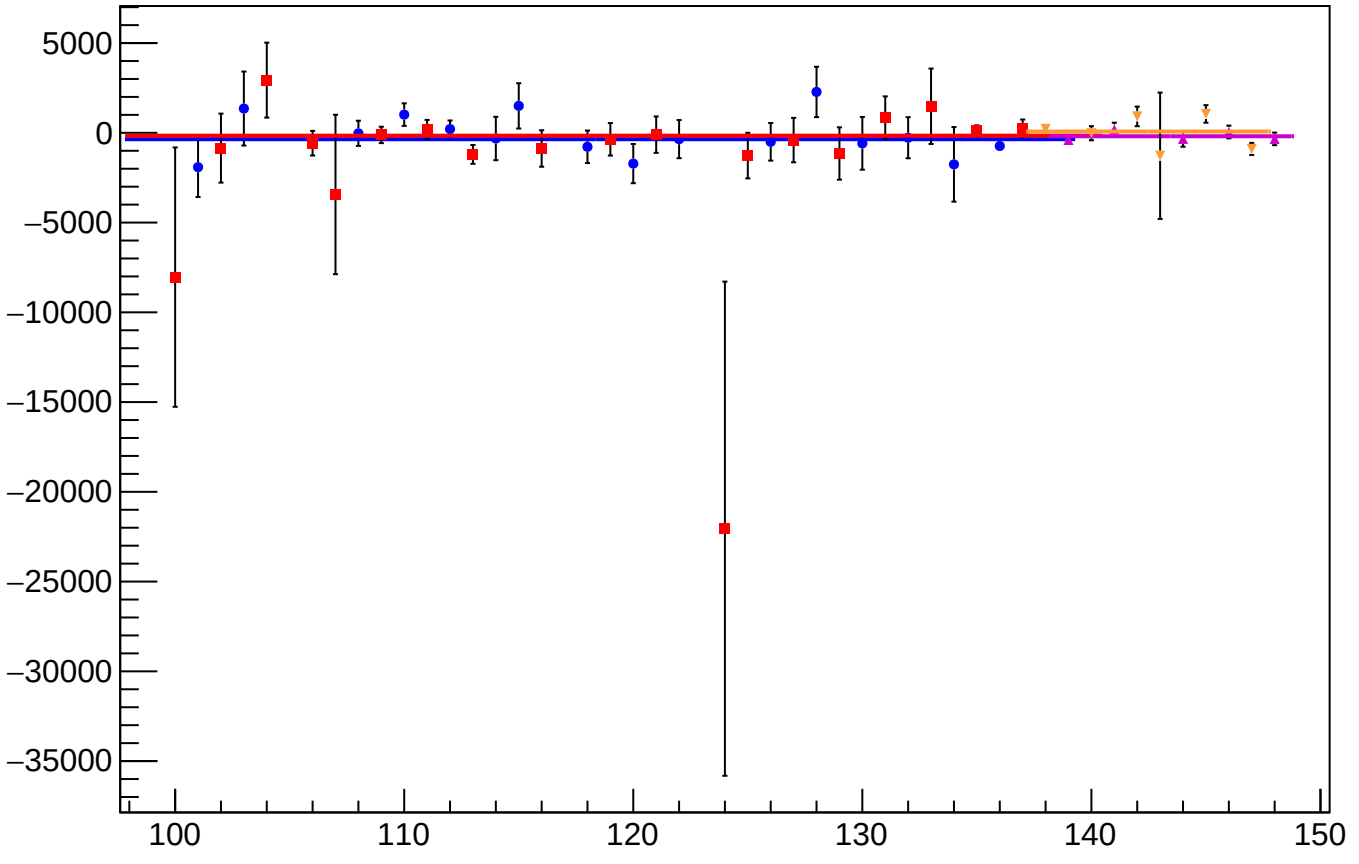
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1262.858+/-0.264 χ^2/NDF: 644811.4/21

All: 1276.502+/-0.189 χ^2/NDF: 868832.0/45

- sign 1290.661+/-0.269 χ^2/NDF: 218589.4/23



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 72.844+/-158.455 χ^2/NDF:15.3/5

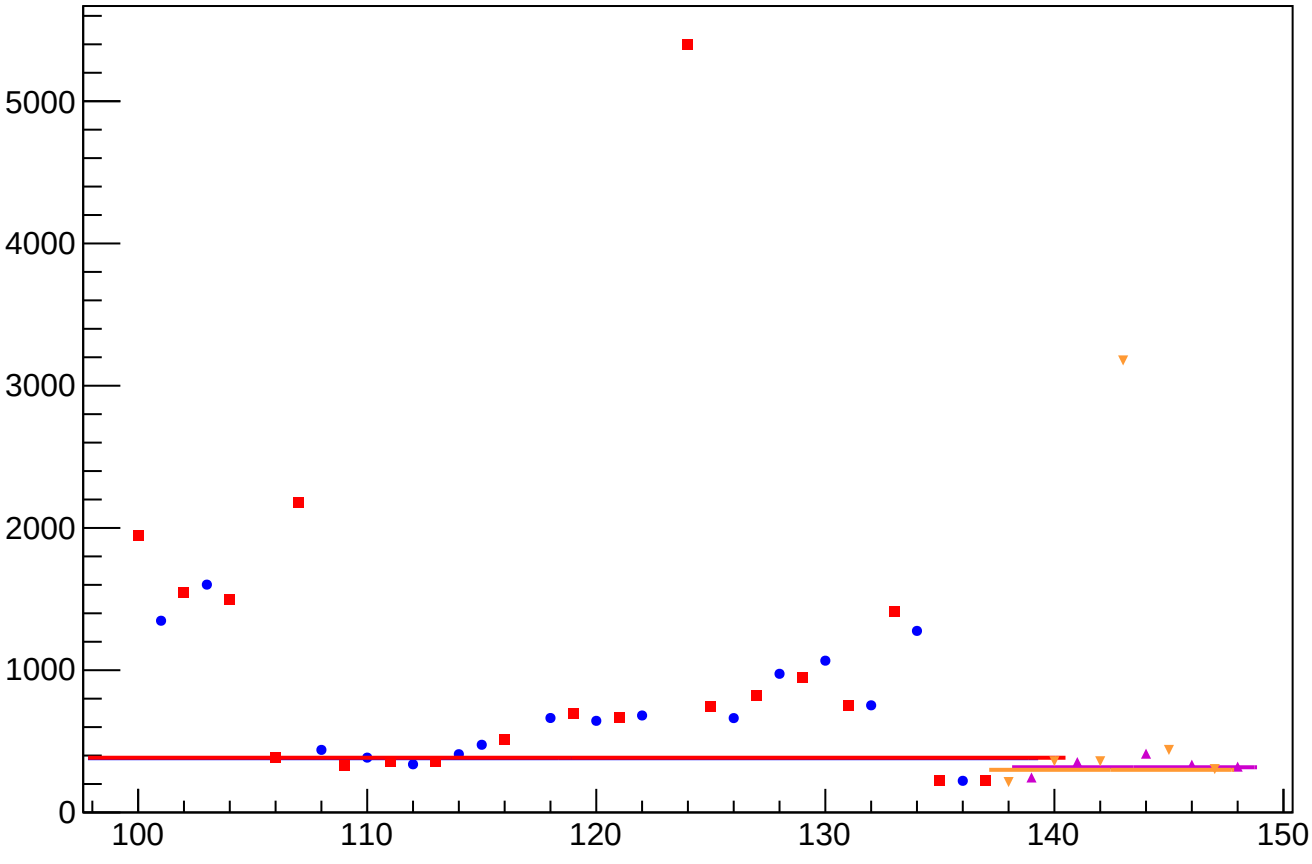
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -192.041+/-155.657 χ^2/NDF:2.3/4

+ sign -126.196+/-115.903 χ^2/NDF: 37.2/21

All: -151.586+/-81.527 χ^2/NDF: 55.4/45

- sign -176.452+/-114.700 χ^2/NDF: 18.1/23



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

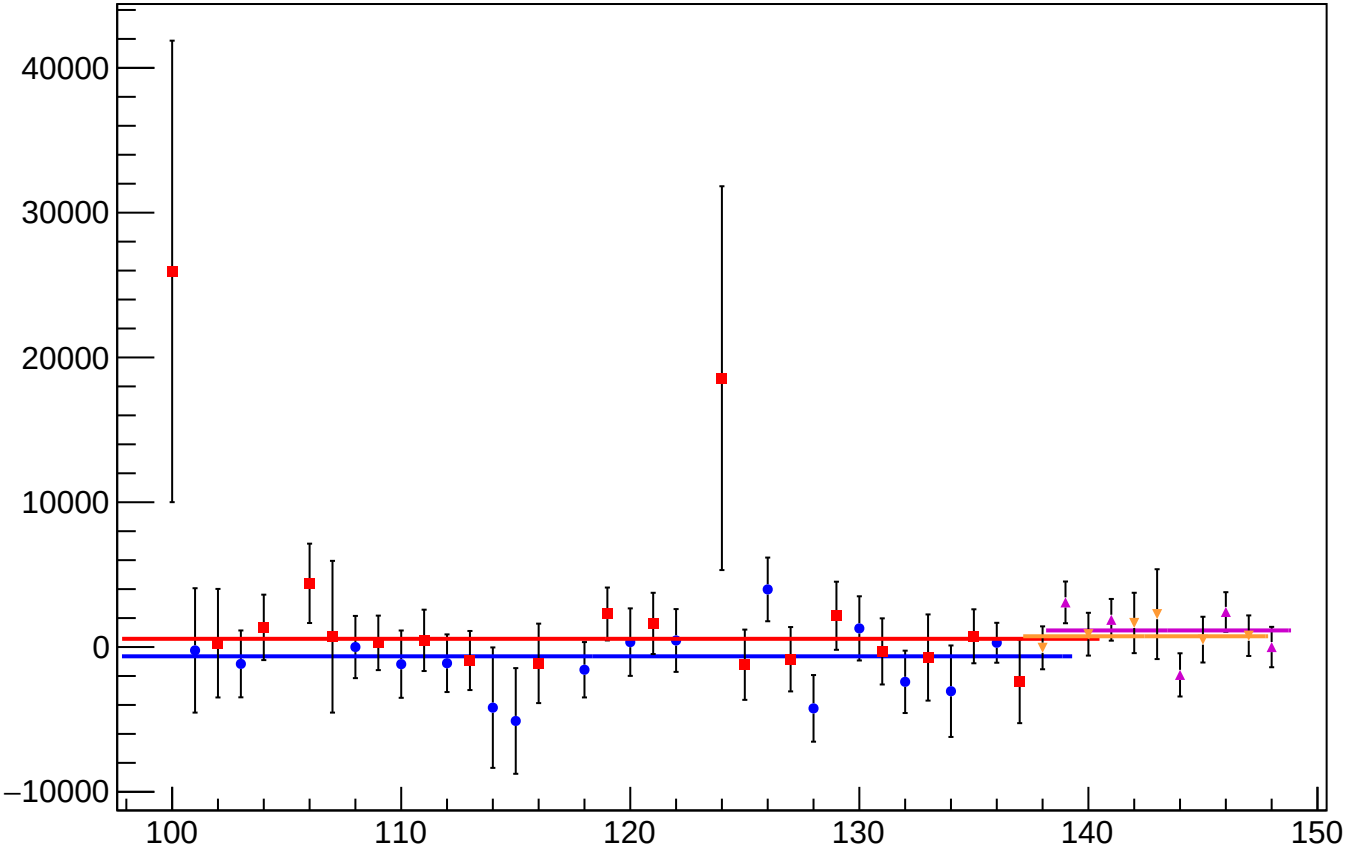
Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

+ sign 337.682+/-0.082 χ^2/NDF: 6386063.6/21

All: 343.051+/-0.058 χ^2/NDF: 11377517.2/45

- sign 348.310+/-0.081 χ^2/NDF: 4982956.6/23

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

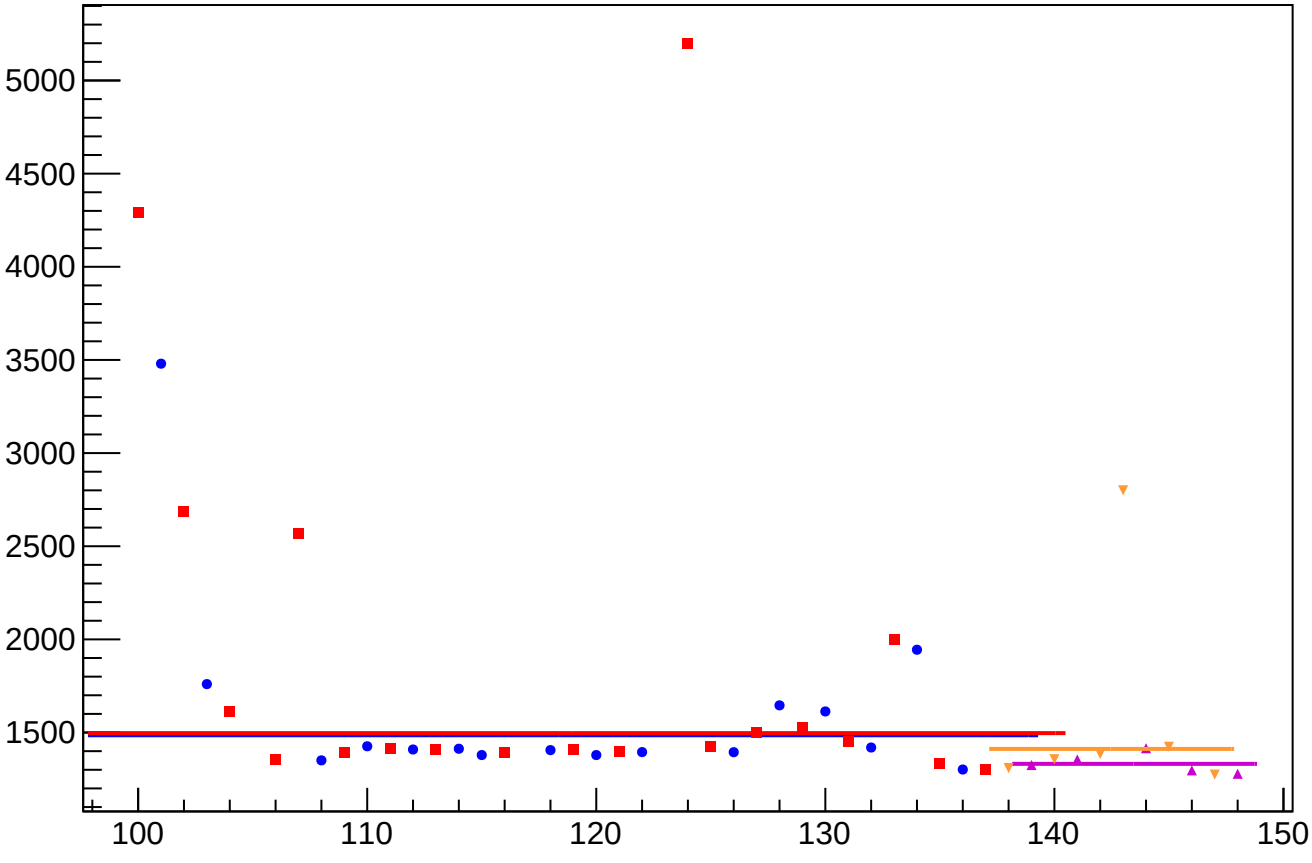
Left In: 1147.000+/-637.213 χ^2/NDF:7.9/4

+ sign -76.998+/-434.481 χ^2/NDF: 15.7/21

All: 384.693+/-303.265 χ^2/NDF: 37.5/45

- sign 823.325+/-423.493 χ^2/NDF: 19.6/23

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

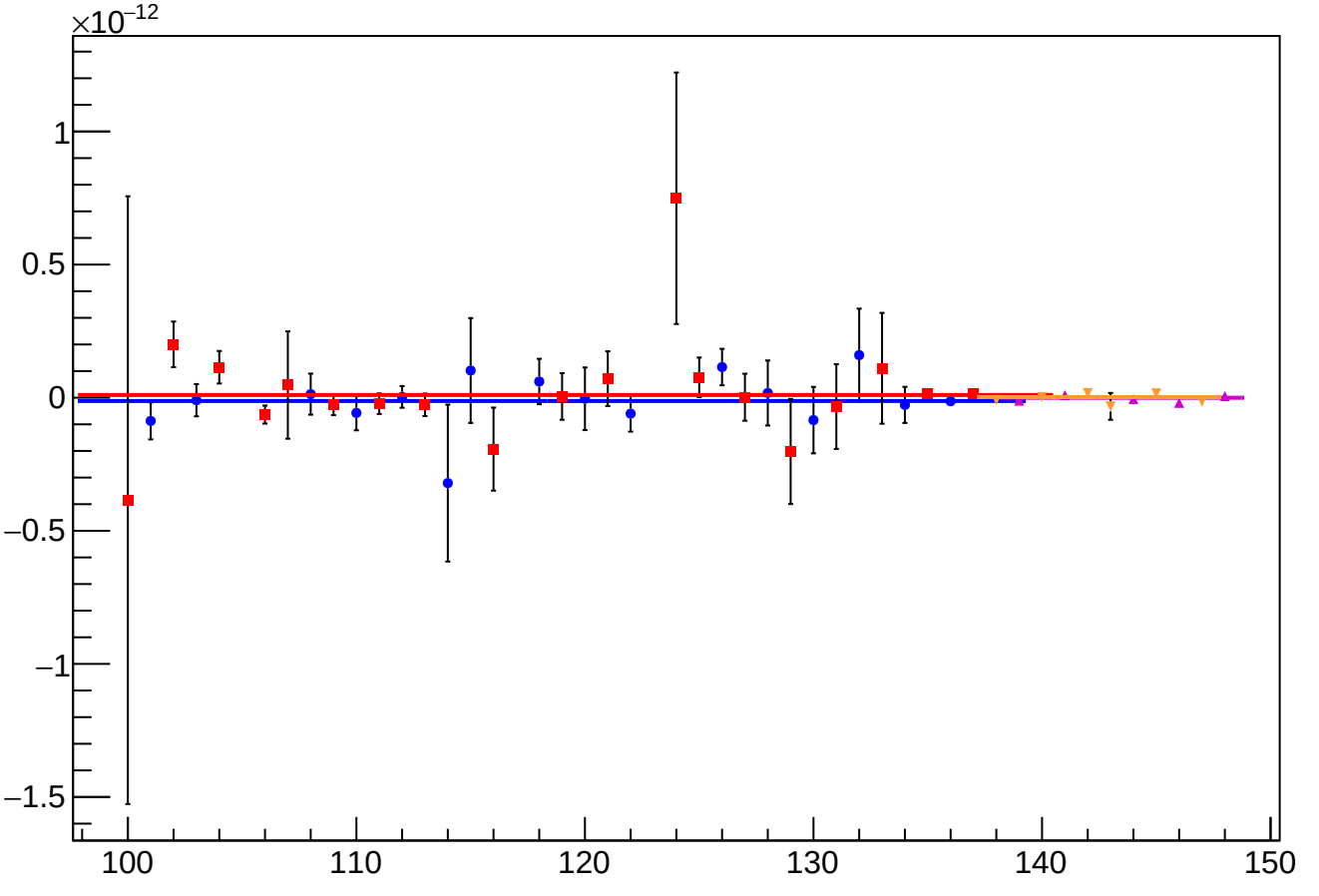
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

+ sign 1455.509+/-0.307 χ^2/NDF: 1030638.3/21

All: 1439.346+/-0.214 χ^2/NDF: 1745272.4/45

- sign 1423.990+/-0.299 χ^2/NDF: 709236.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/5

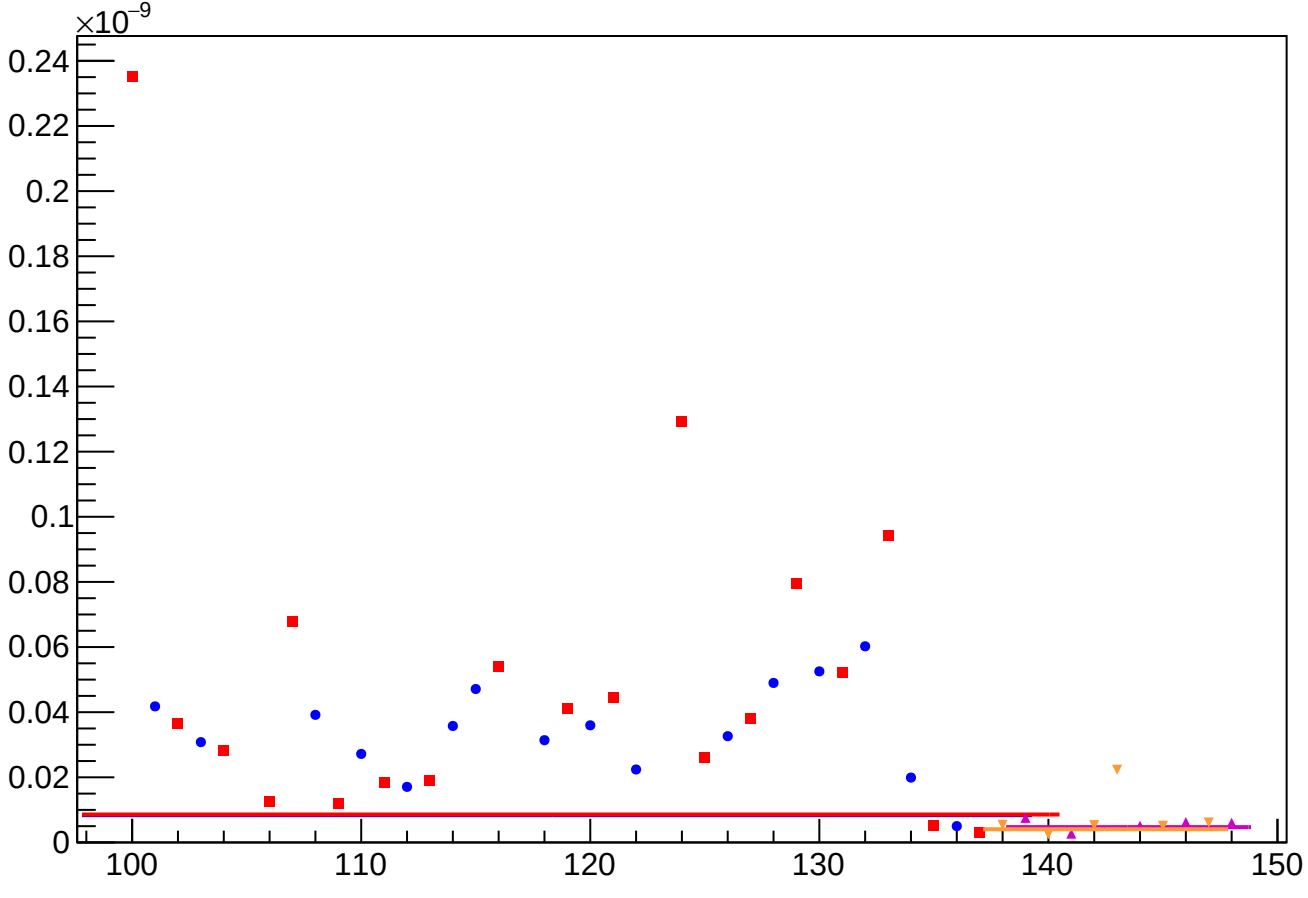
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: 0.000+/-0.000 χ^2/NDF: 53.3/45

- sign 0.000+/-0.000 χ^2/NDF: 31.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

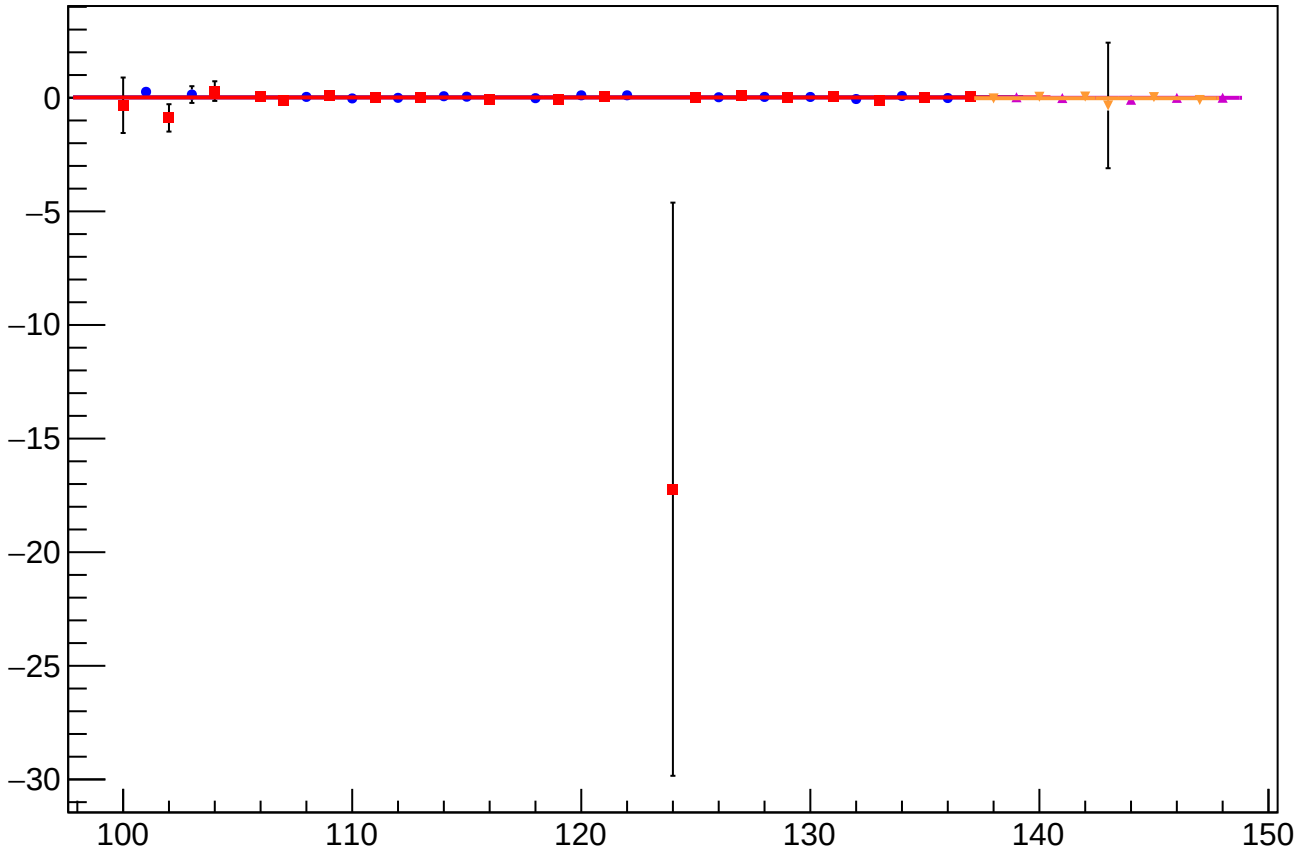
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4258007.8/21

All: 0.000+/-0.000 χ^2/NDF: 8478215.1/45

- sign 0.000+/-0.000 χ^2/NDF: 4189010.6/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

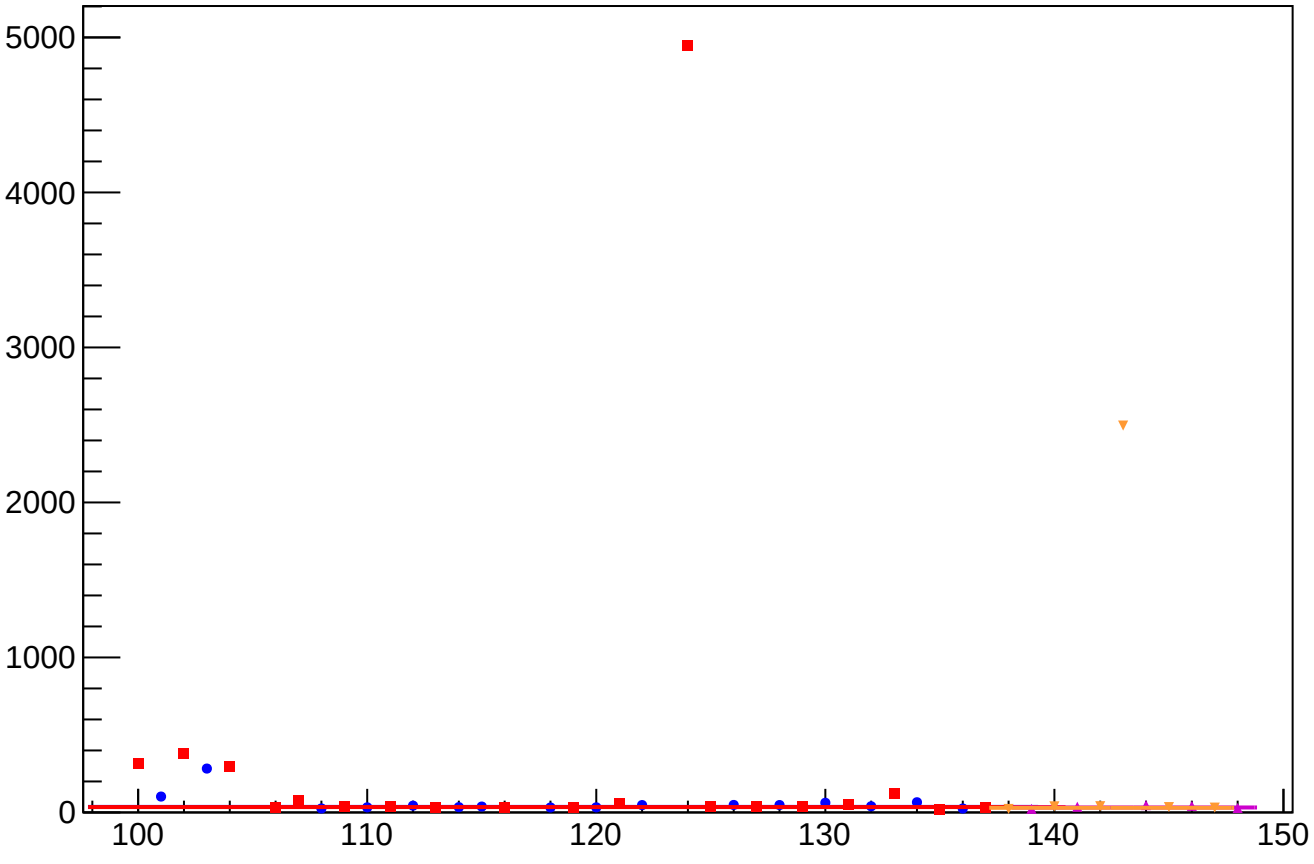
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

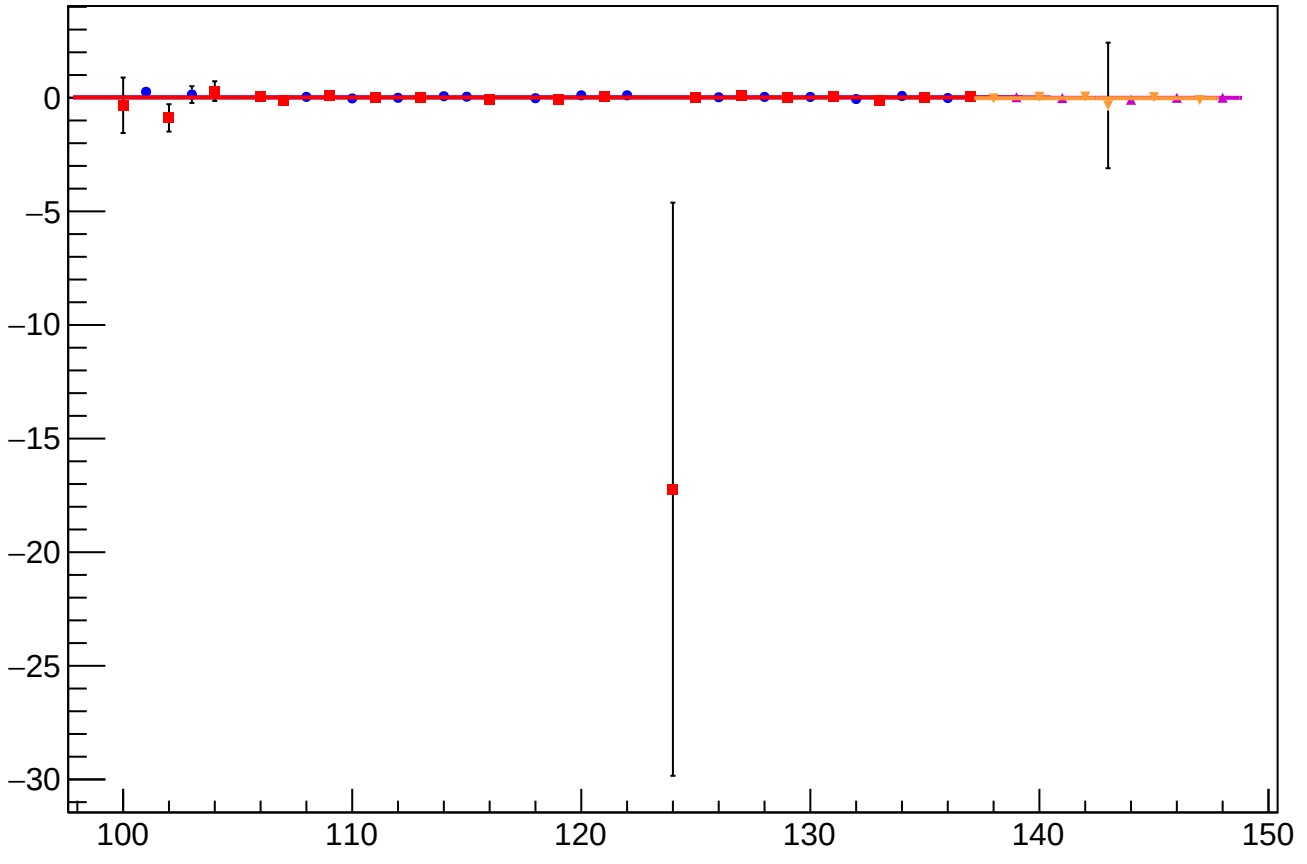
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

- sign 33.598+/-0.008 χ^2/NDF: 3418067.1/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

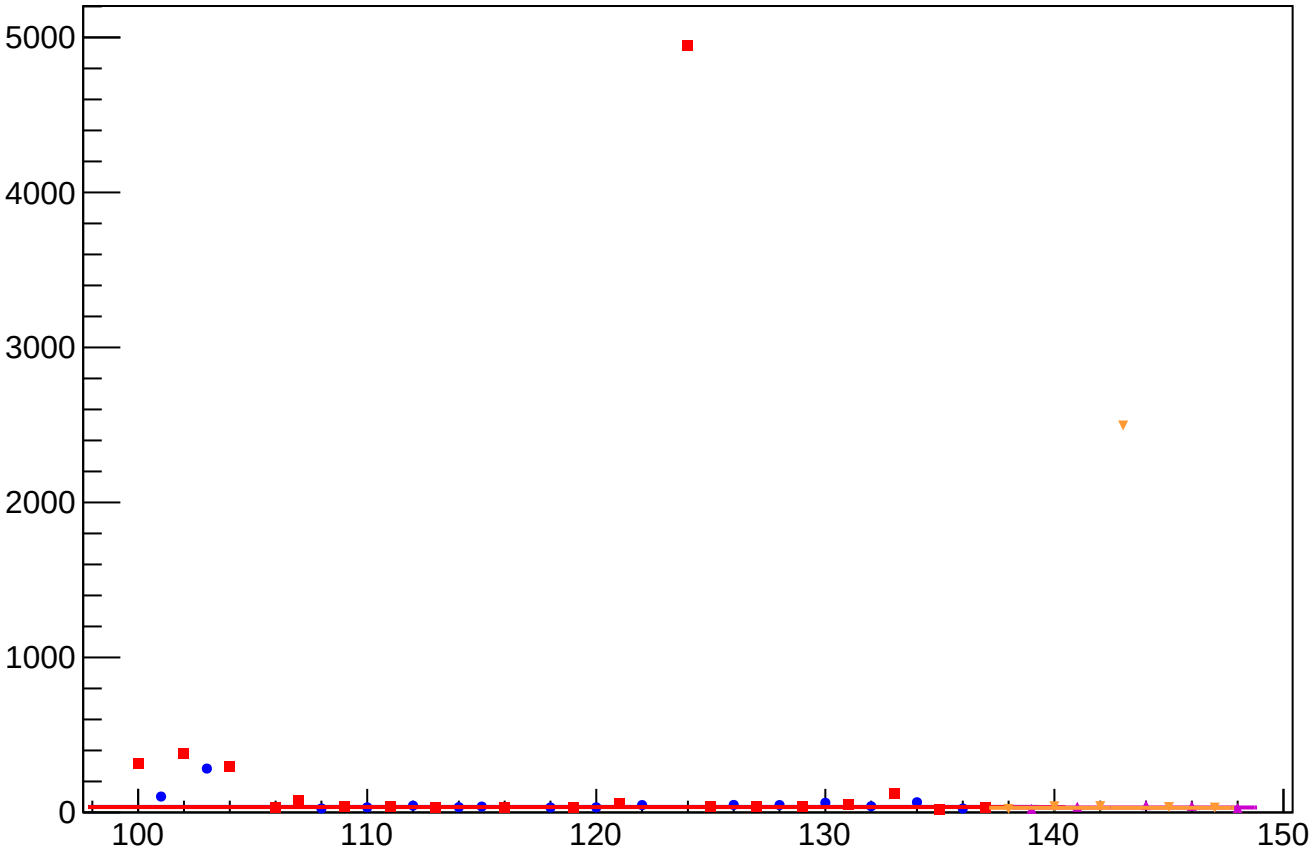
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

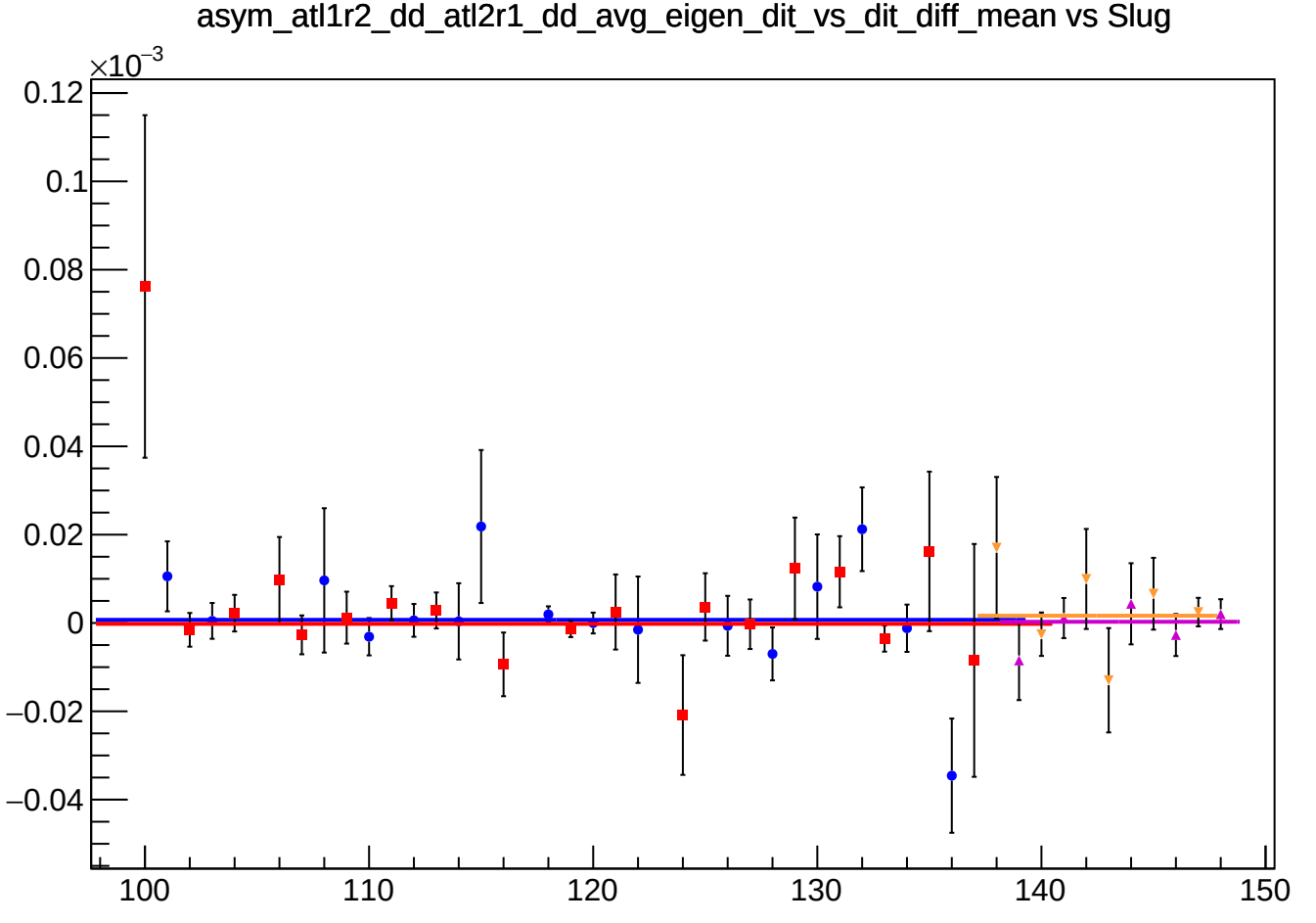
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 33.290+/-0.008 χ^2/NDF: 4275983.3/21

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

- sign 33.598+/-0.008 χ^2/NDF: 3418067.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

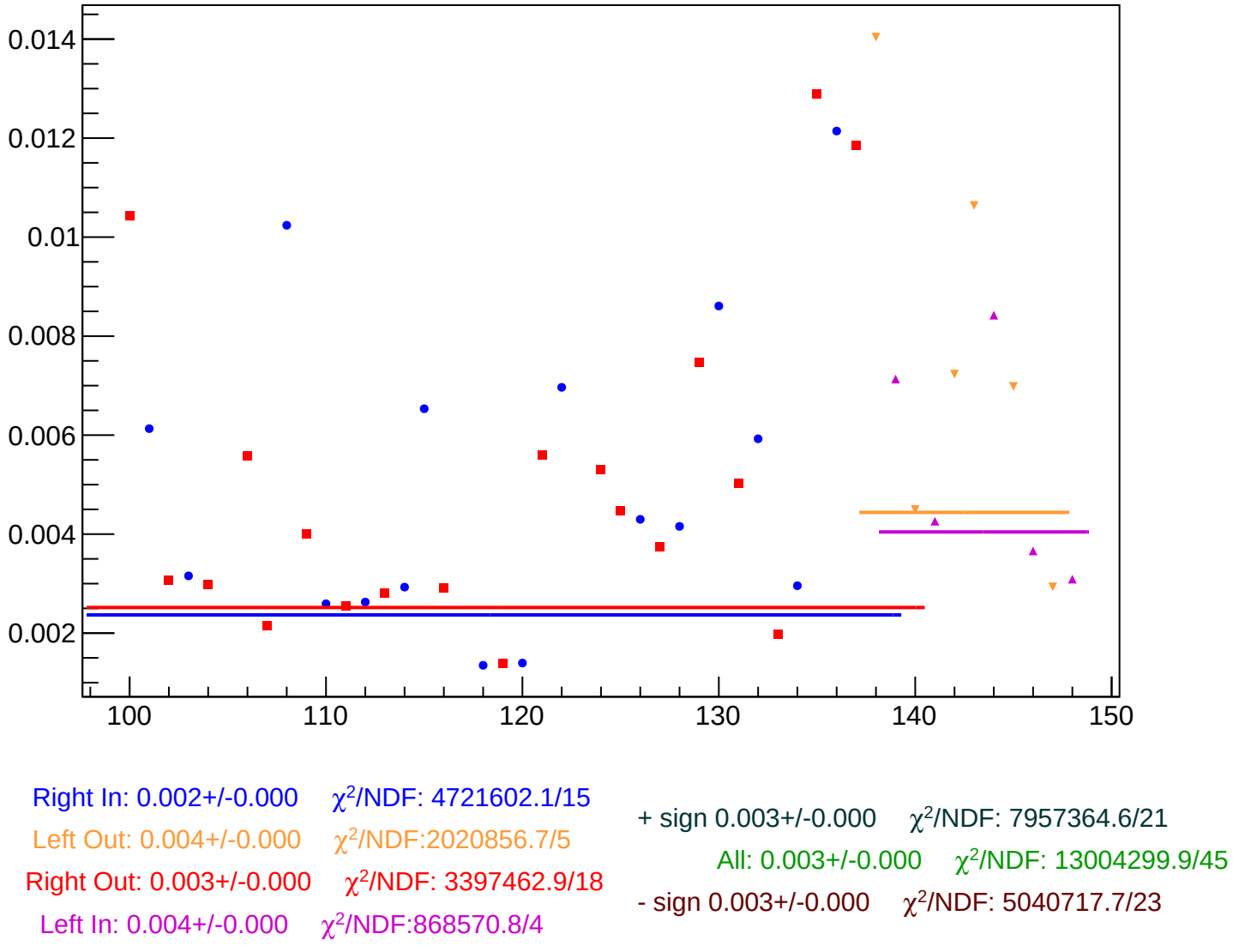
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

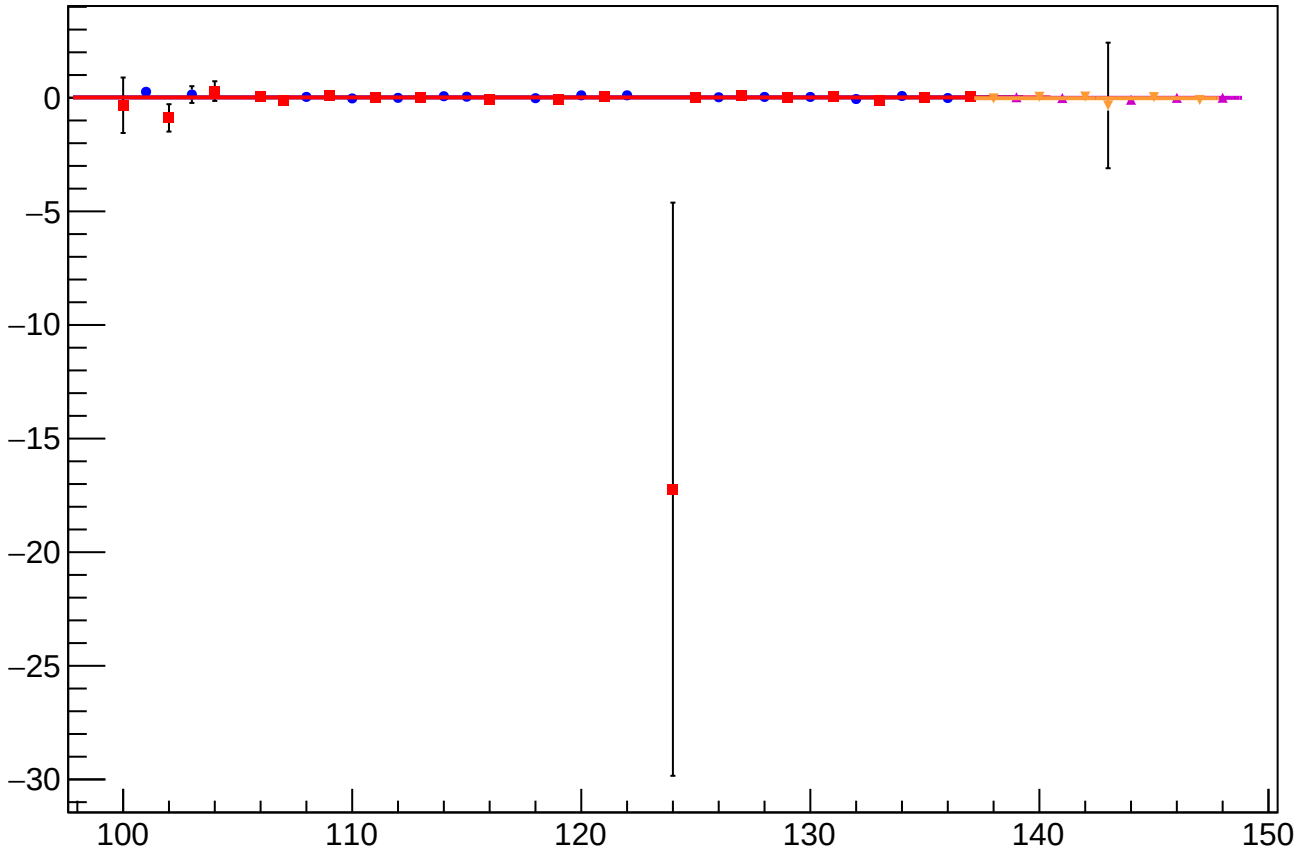
Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/21

All: 0.000+/-0.000 χ^2/NDF: 43.8/45

- sign -0.000+/-0.000 χ^2/NDF: 20.0/23


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2020856.7/5
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.004+/-0.000 χ²/NDF:868570.8/4
+ sign 0.003+/-0.000 χ²/NDF: 7957364.6/21
All: 0.003+/-0.000 χ²/NDF: 13004299.9/45
- sign 0.003+/-0.000 χ²/NDF: 5040717.7/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

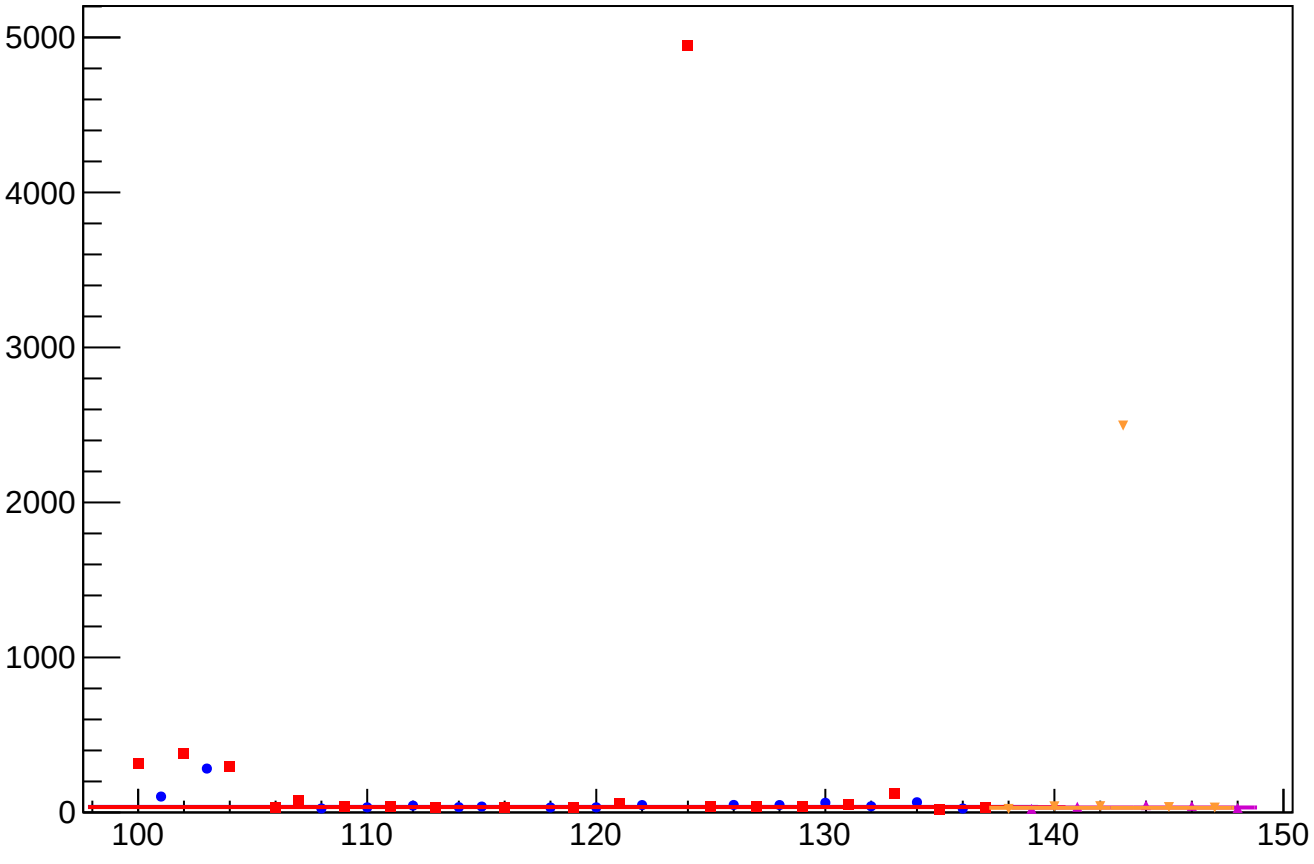
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23



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

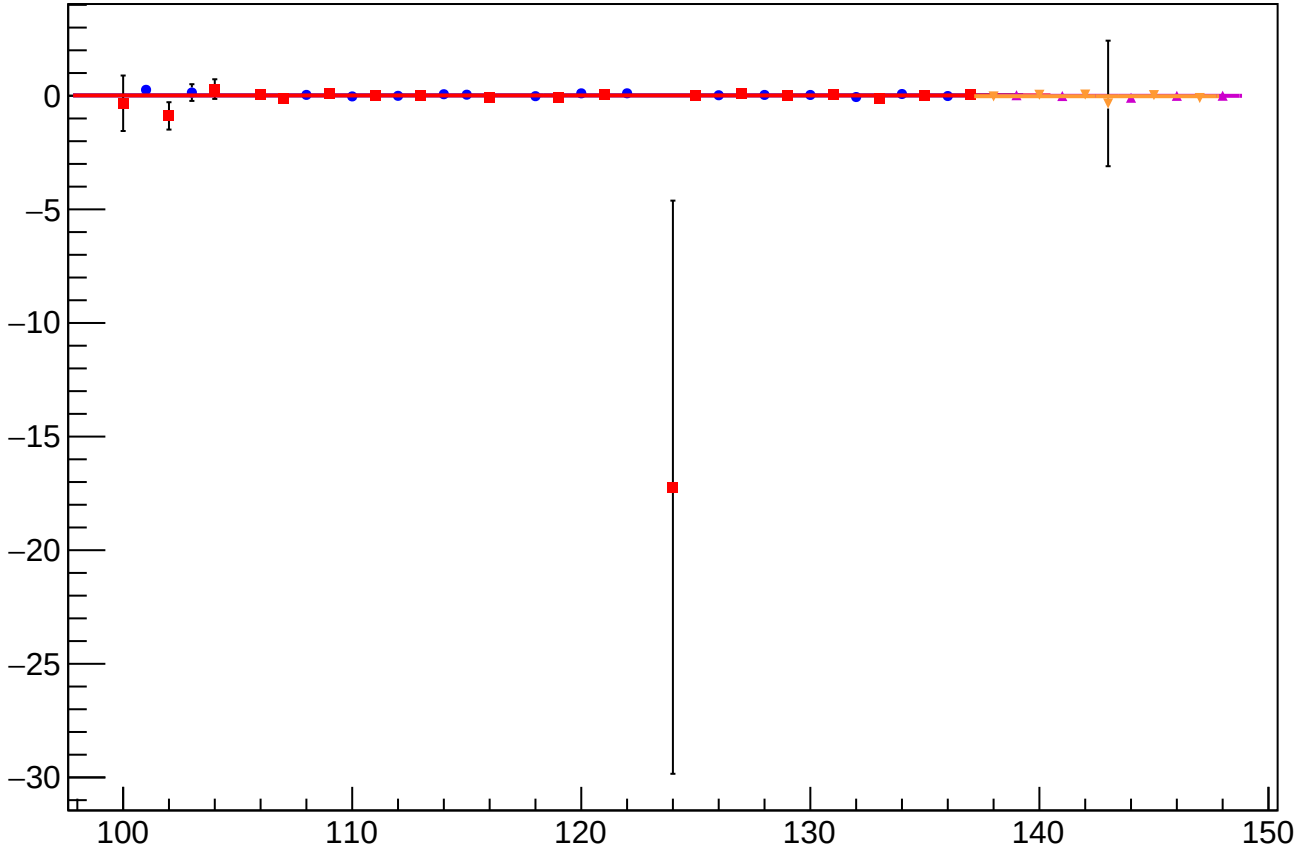
Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

\+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

\- sign 33.597+/-0.008 χ^2/NDF: 3418285.1/23

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

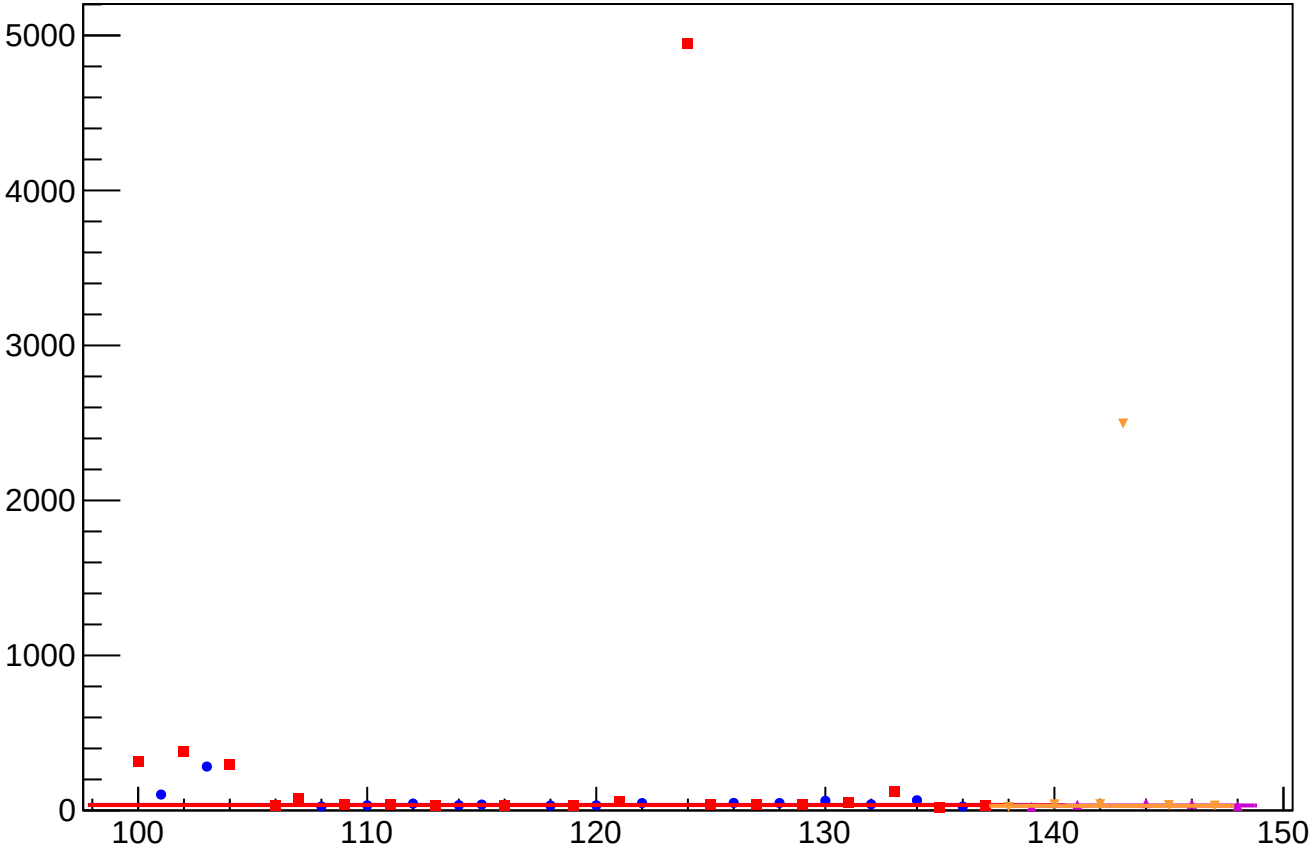
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign 0.000+/-0.012 χ^2/NDF: 23.2/21

All: 0.003+/-0.008 χ^2/NDF: 43.3/45

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23

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

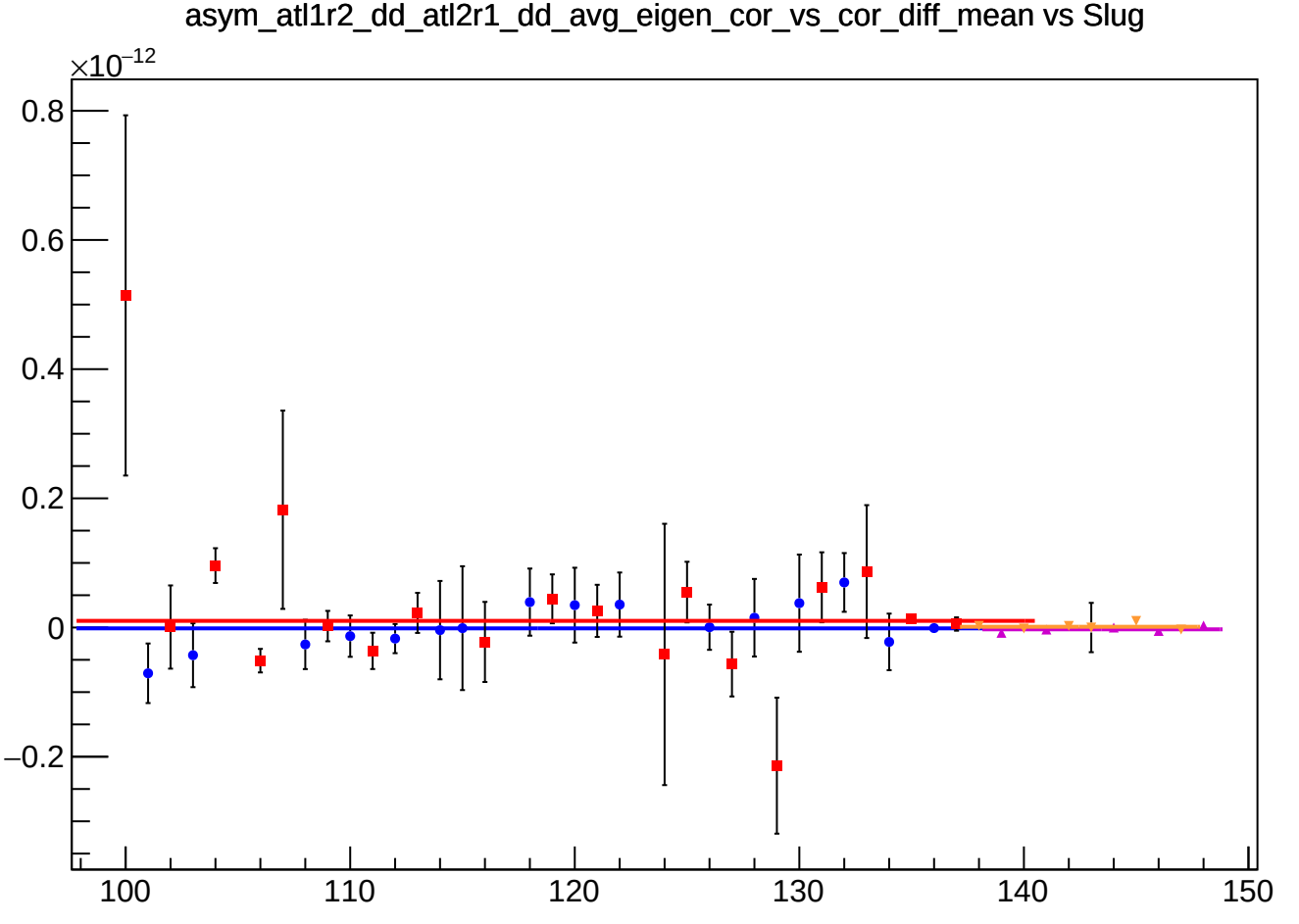
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

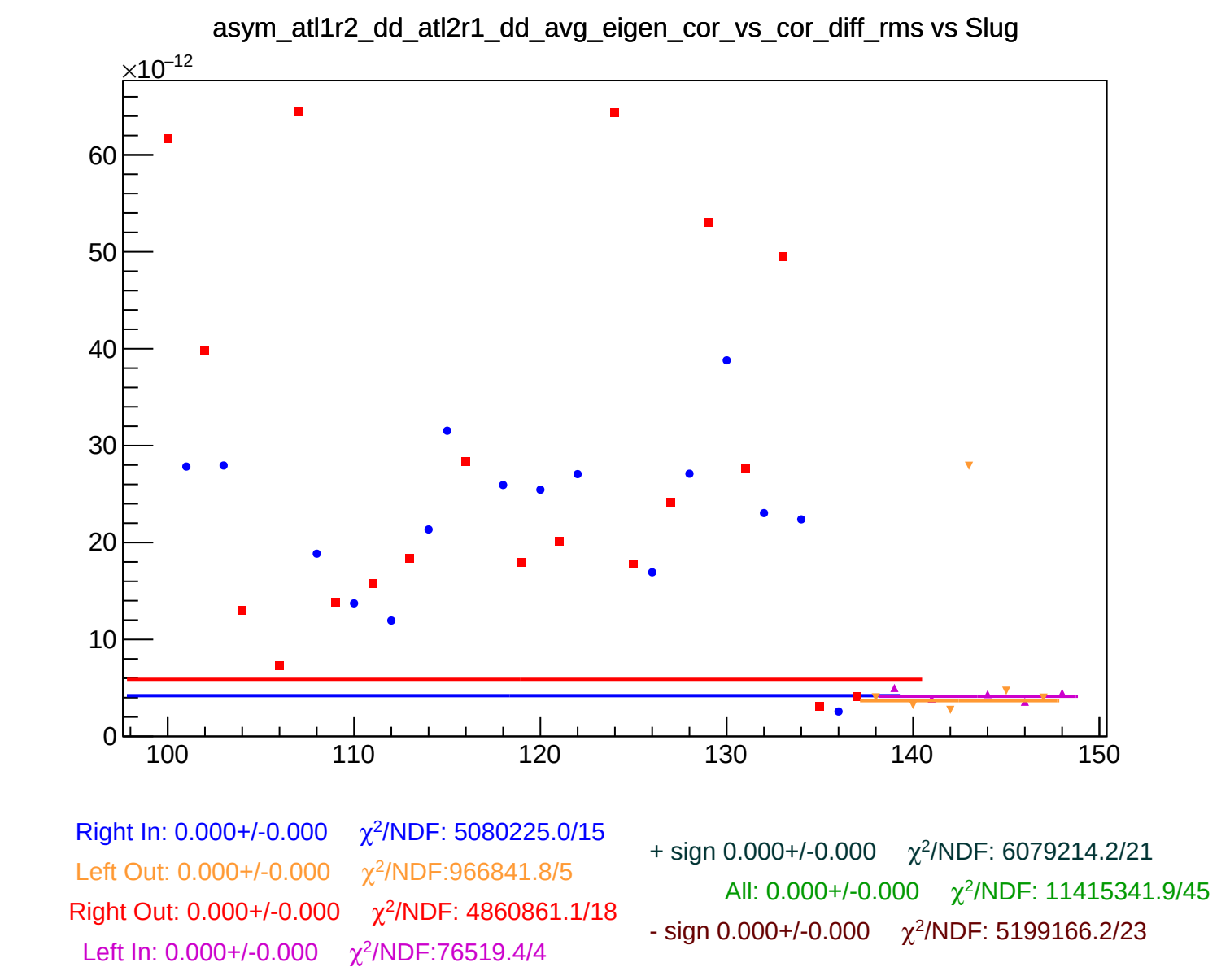
Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 33.291+/-0.008 χ^2/NDF: 4275960.9/21

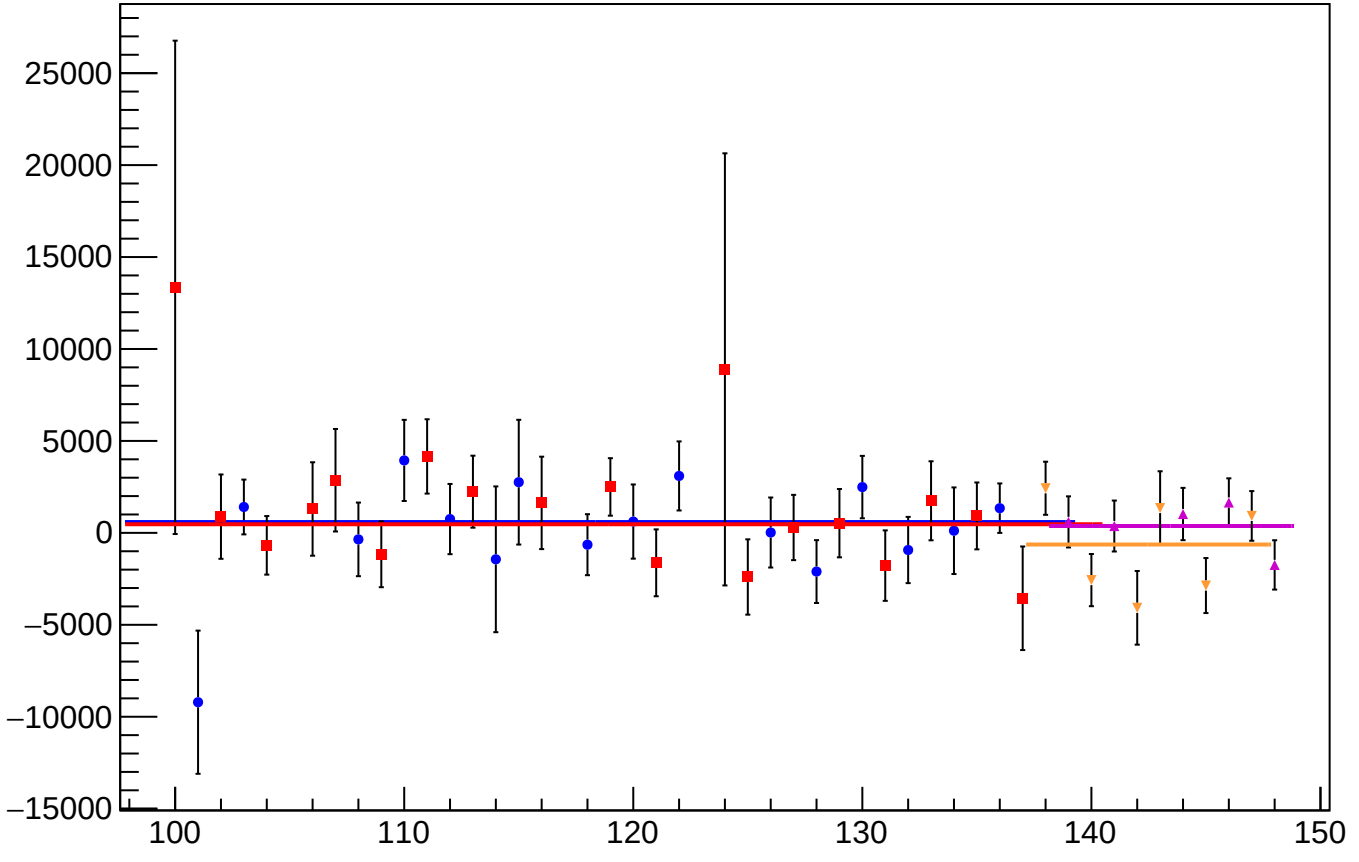
All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

- sign 33.597+/-0.008 χ^2/NDF: 3418285.1/23


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:2.1/4
+ sign 0.000+/-0.000 χ²/NDF: 12.2/21
All: 0.000+/-0.000 χ²/NDF: 61.6/45
- sign 0.000+/-0.000 χ²/NDF: 49.4/23


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:966841.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:76519.4/4
+ sign 0.000+/-0.000 χ²/NDF: 6079214.2/21
All: 0.000+/-0.000 χ²/NDF: 11415341.9/45
- sign 0.000+/-0.000 χ²/NDF: 5199166.2/23

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

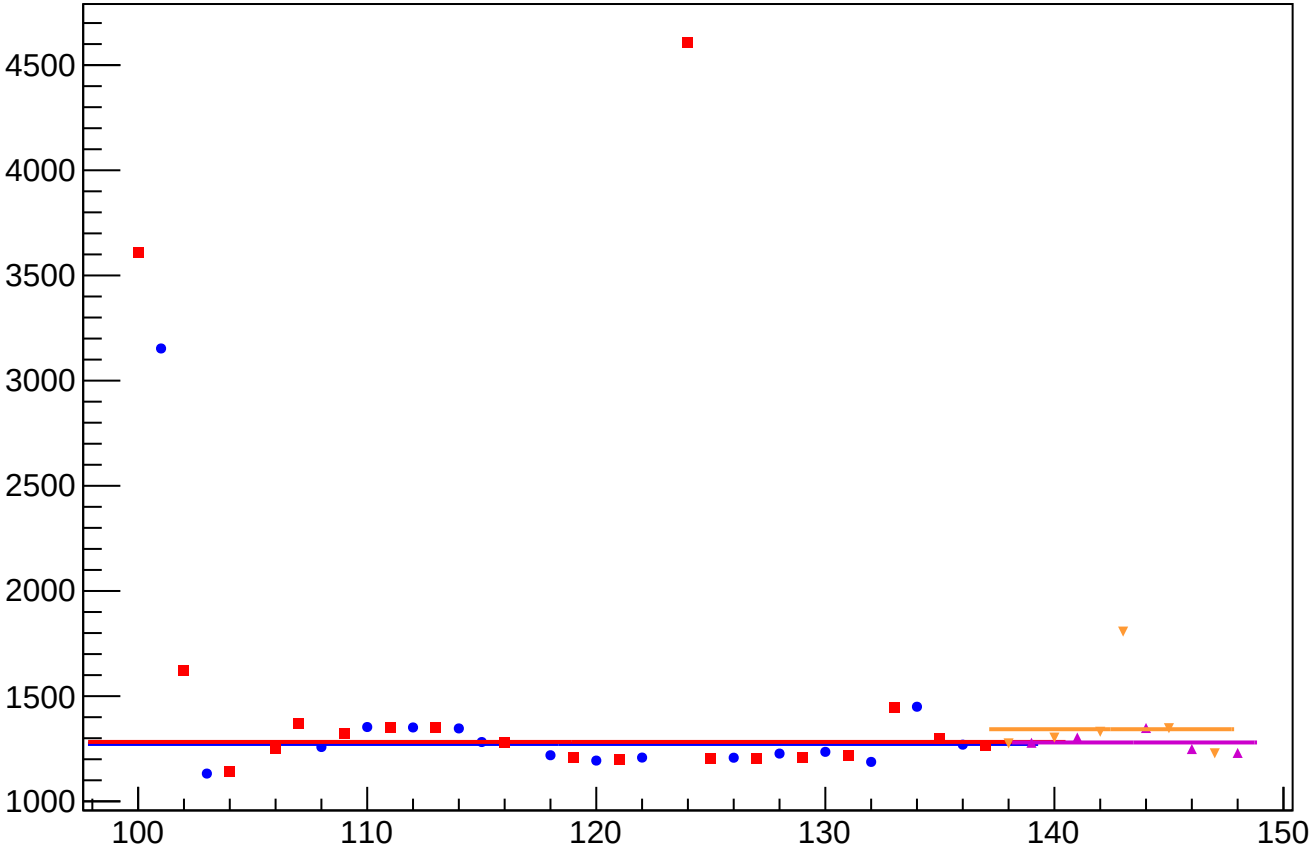
Left In: 373.535+/-612.184 χ^2/NDF:3.7/4

+ sign 141.178+/-384.387 χ^2/NDF: 33.3/21

All: 289.343+/-269.510 χ^2/NDF: 54.1/45

- sign 432.614+/-377.984 χ^2/NDF: 20.5/23

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

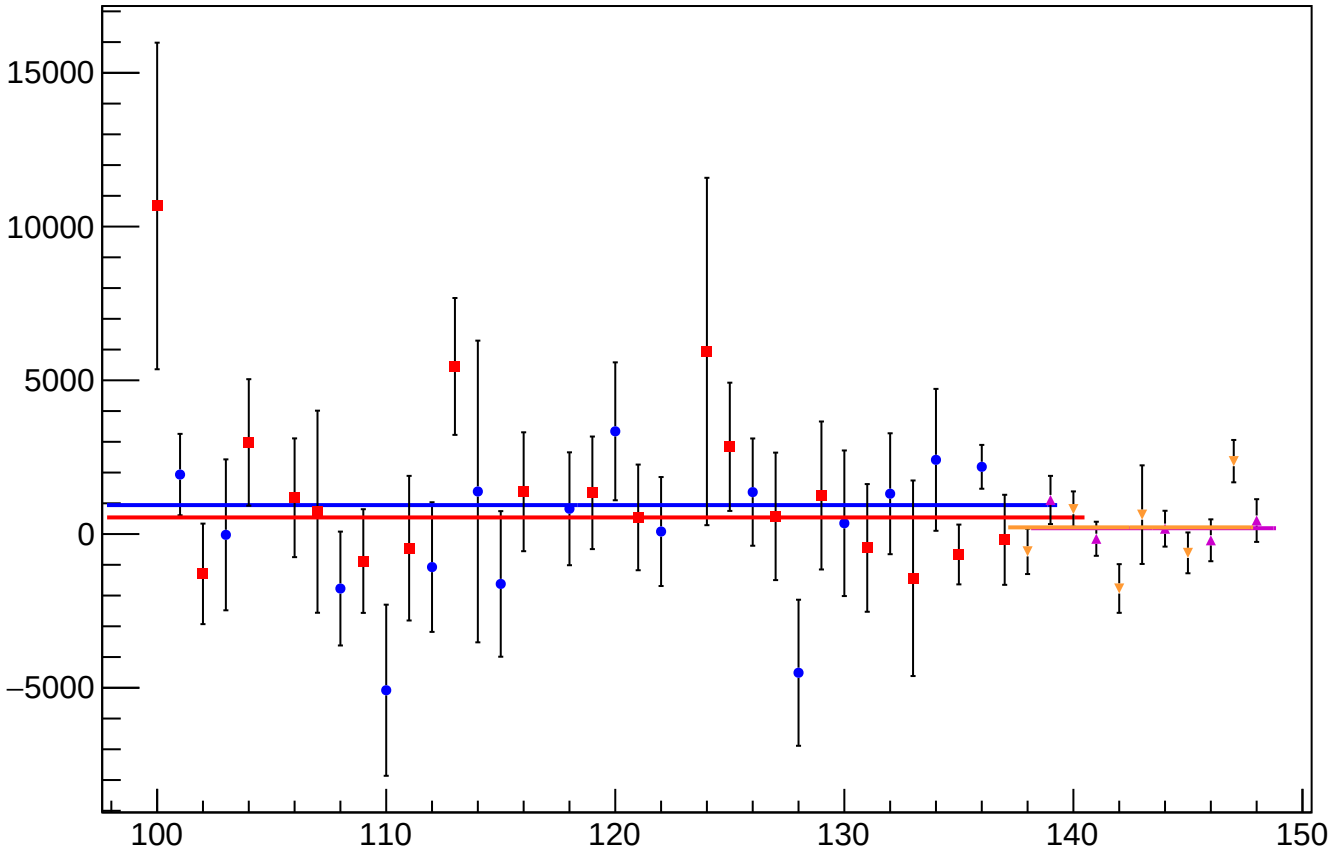
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.367+/-0.272 χ^2/NDF: 662783.7/21

All: 1289.737+/-0.191 χ^2/NDF: 995997.9/45

- sign 1281.394+/-0.267 χ^2/NDF: 331231.7/23



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 217.403+/-298.713 χ^2/NDF:19.9/5

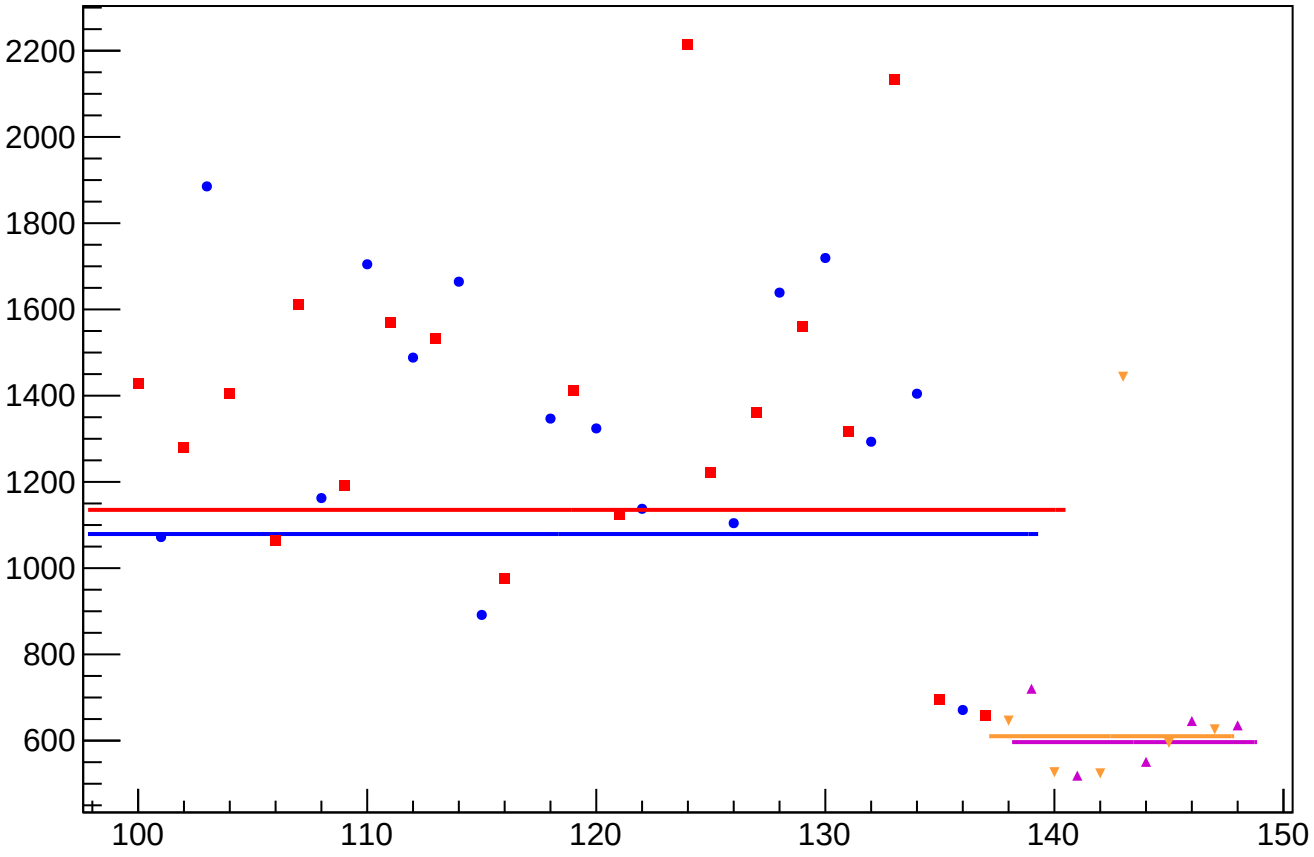
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 189.835+/-288.021 χ^2/NDF:2.2/4

+ sign 456.287+/-244.546 χ^2/NDF: 41.7/21

All: 374.500+/-171.641 χ^2/NDF: 61.8/45

- sign 295.090+/-240.967 χ^2/NDF: 19.8/23



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

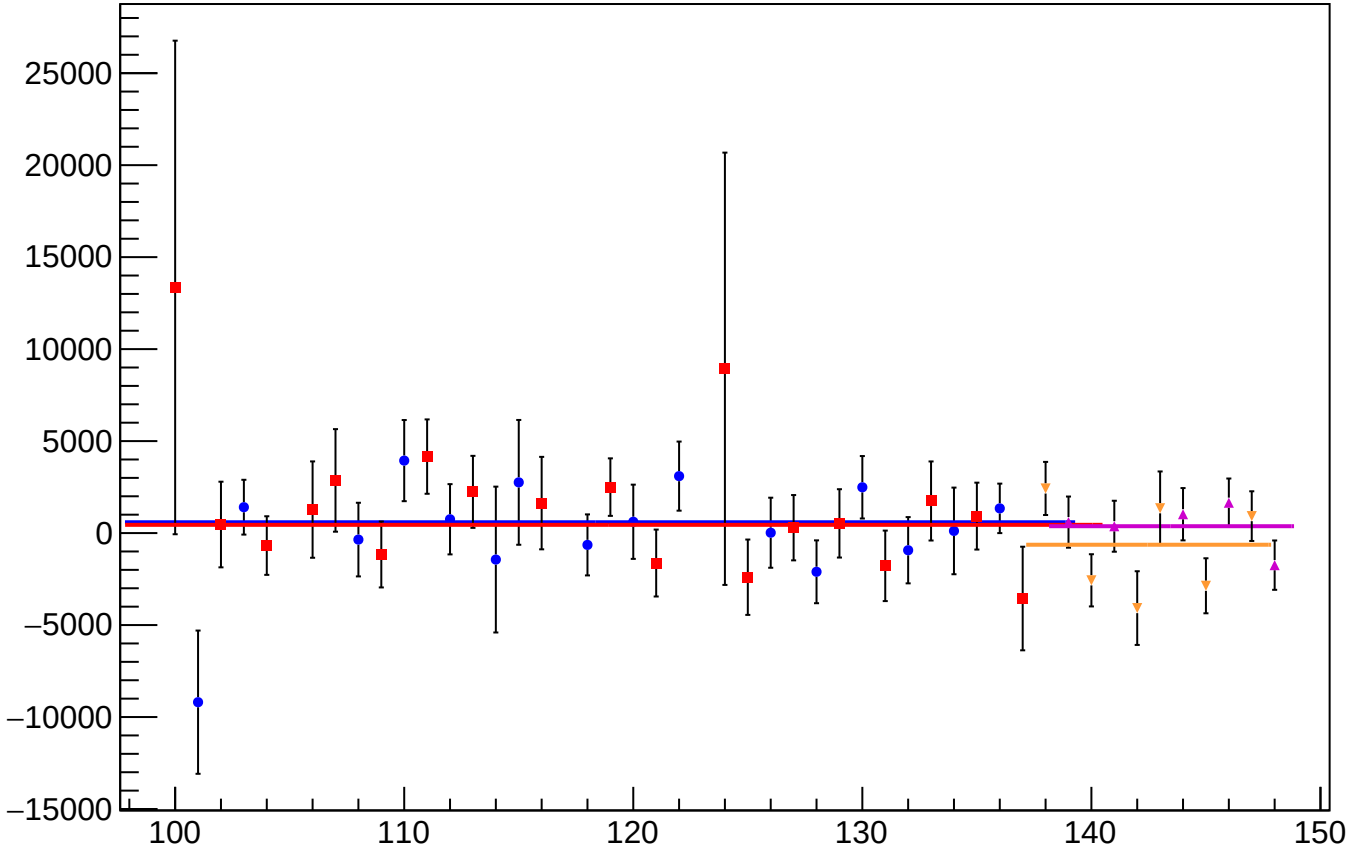
Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

\+ sign 764.857+/-0.173 χ^2/NDF: 3720668.7/21

All: 761.464+/-0.121 χ^2/NDF: 7231140.9/45

\- sign 758.169+/-0.170 χ^2/NDF: 3509713.1/23

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

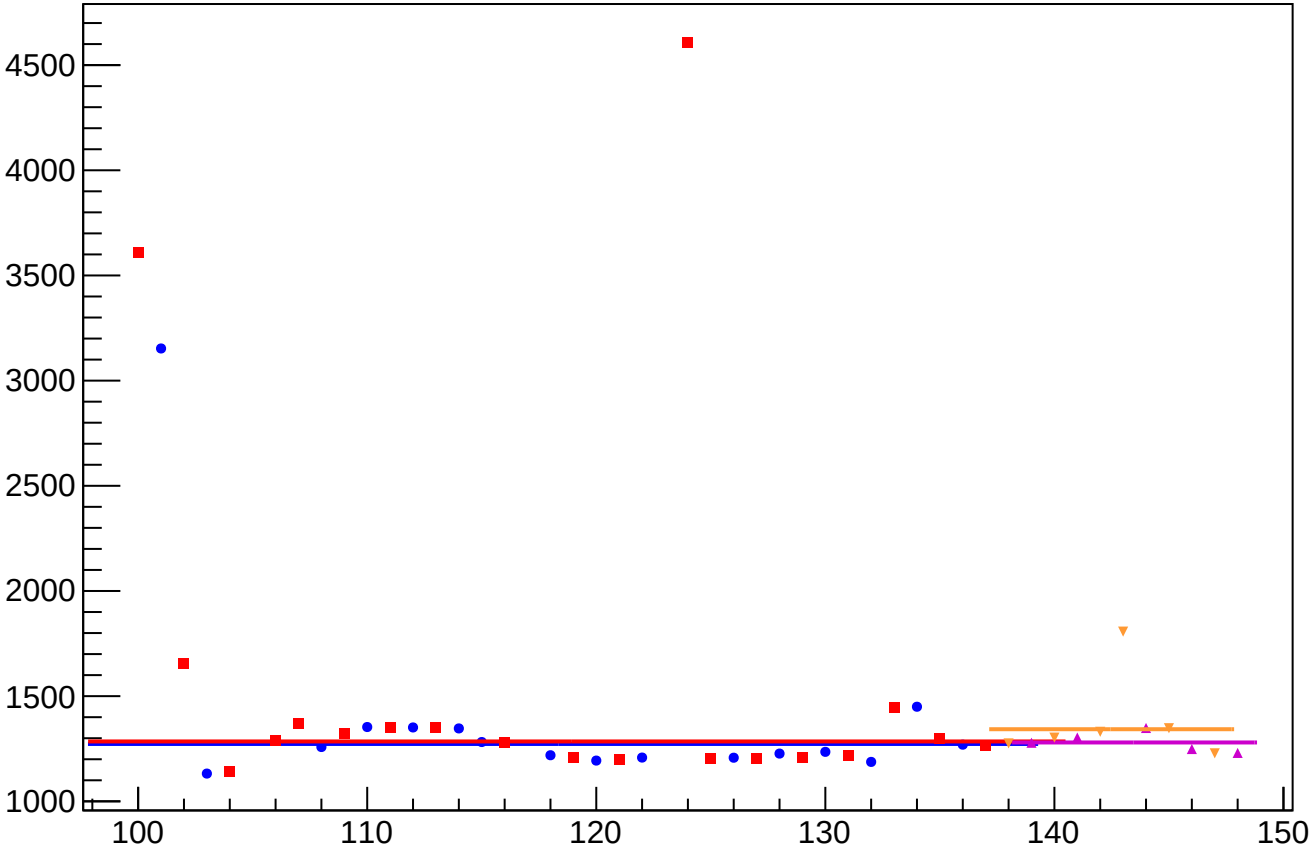
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 282.735+/-269.654 χ^2/NDF: 54.0/45

- sign 419.758+/-378.381 χ^2/NDF: 20.5/23

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

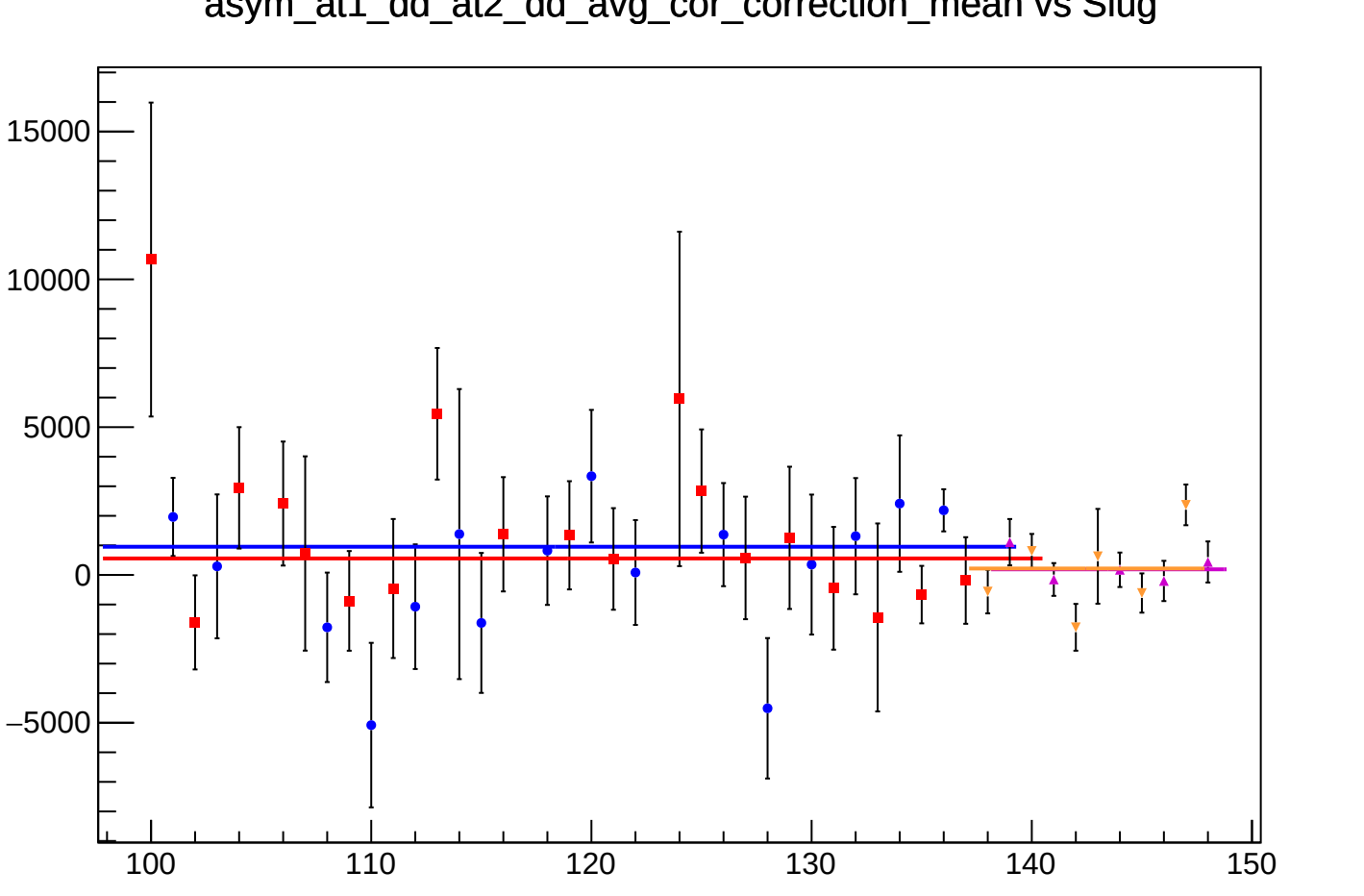
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23



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

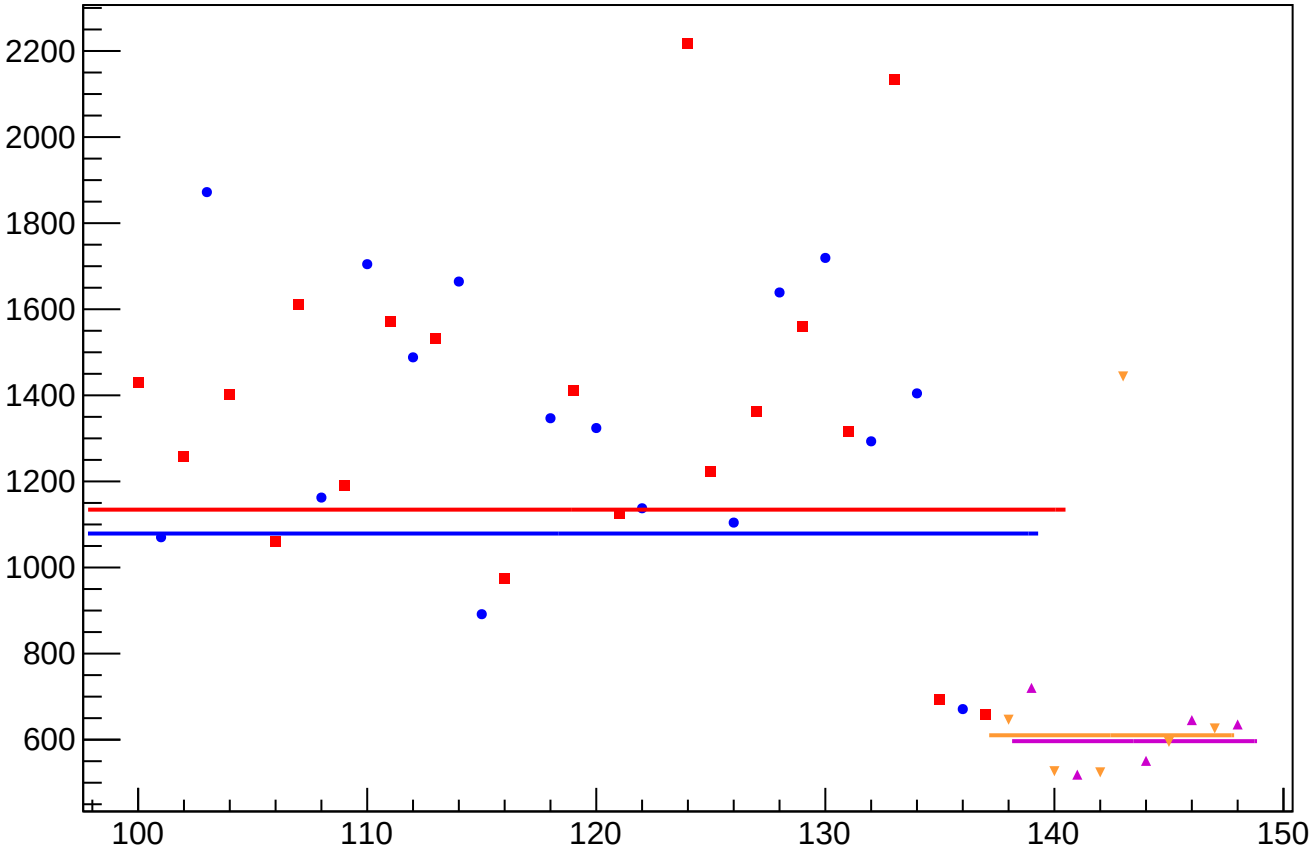
Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 379.128+/-171.680 χ^2/NDF: 63.1/45

- sign 299.985+/-241.105 χ^2/NDF: 21.1/23

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

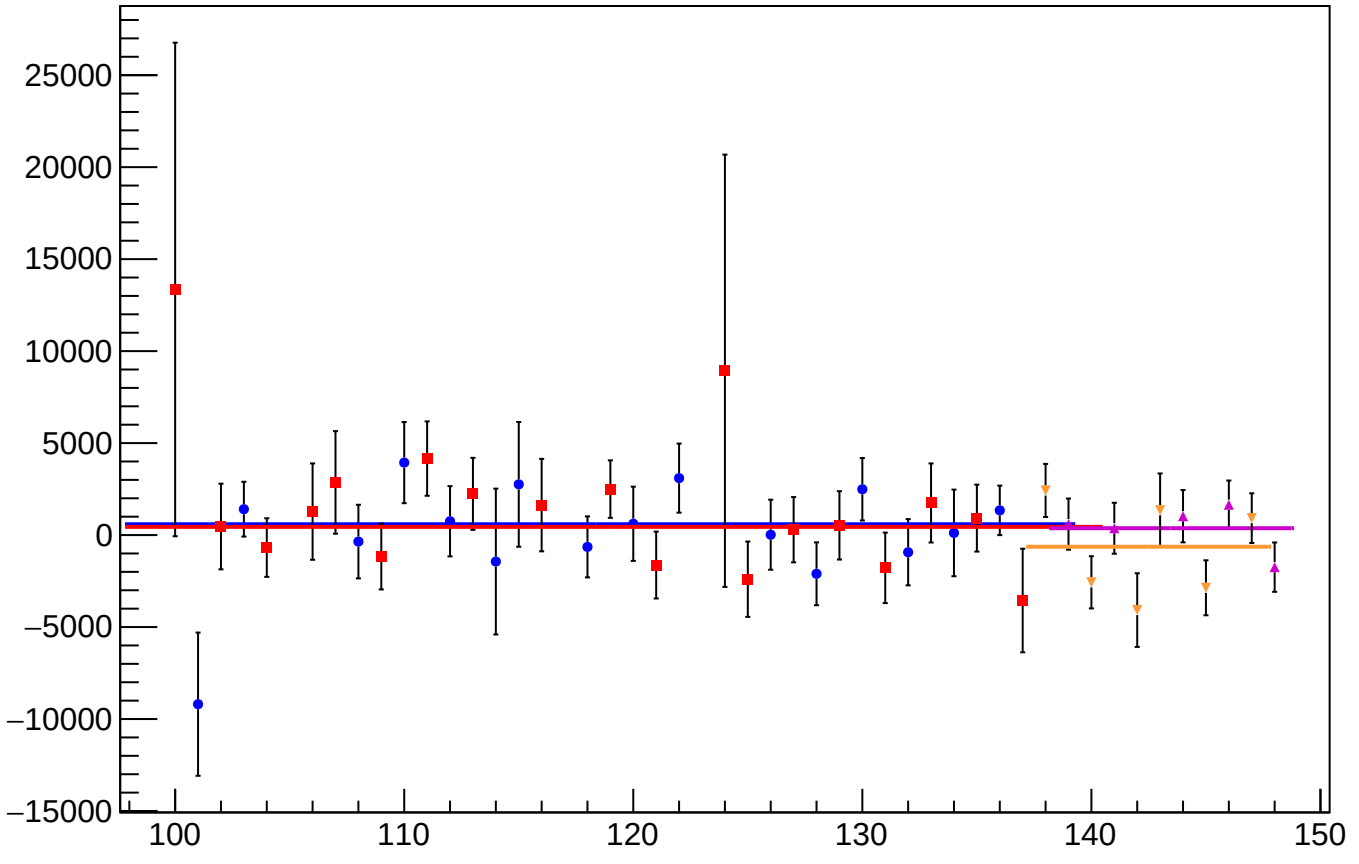
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45

- sign 757.503+/-0.170 χ^2/NDF: 3494245.1/23



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

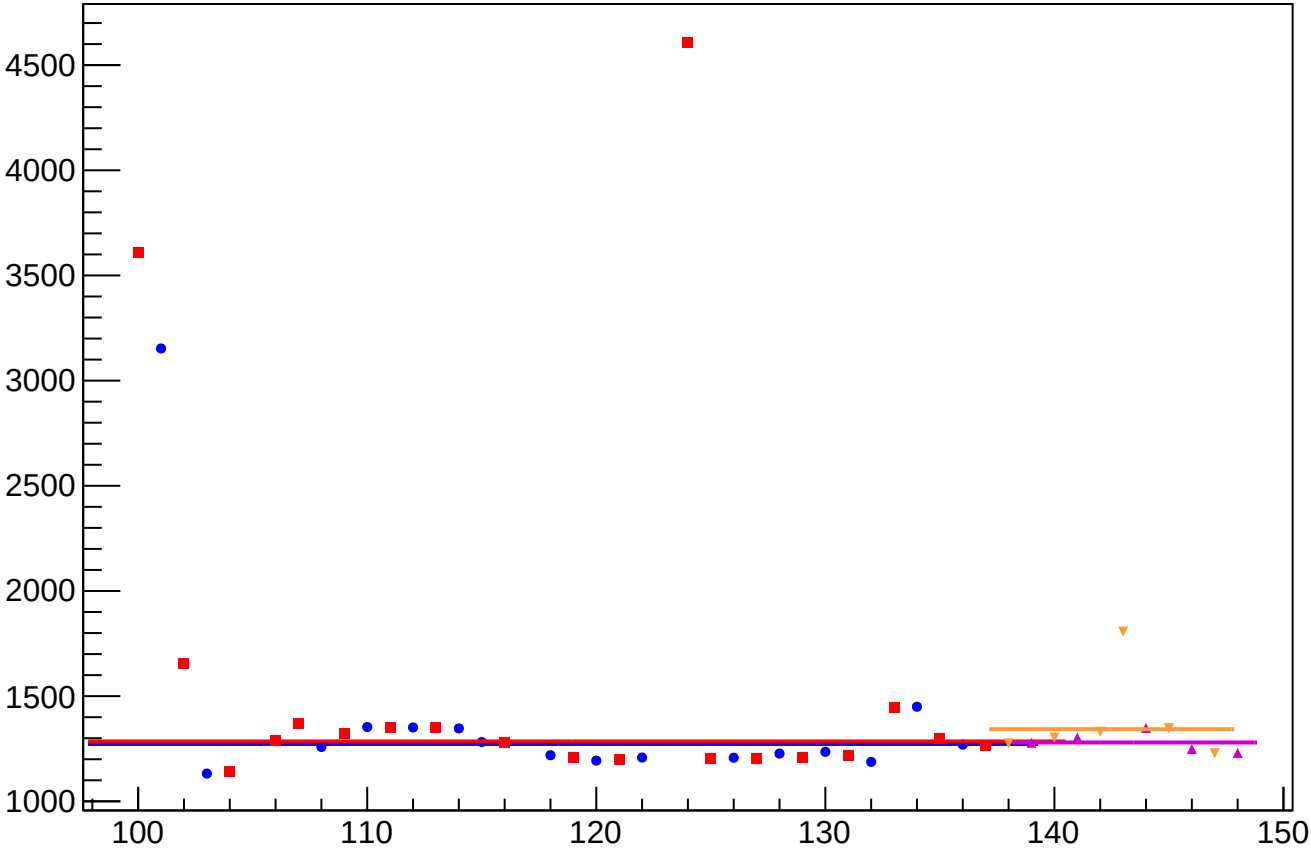
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 141.327+/-384.387 χ^2/NDF: 33.2/21

All: 282.735+/-269.654 χ^2/NDF: 54.0/45

- sign 419.758+/-378.381 χ^2/NDF: 20.5/23

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

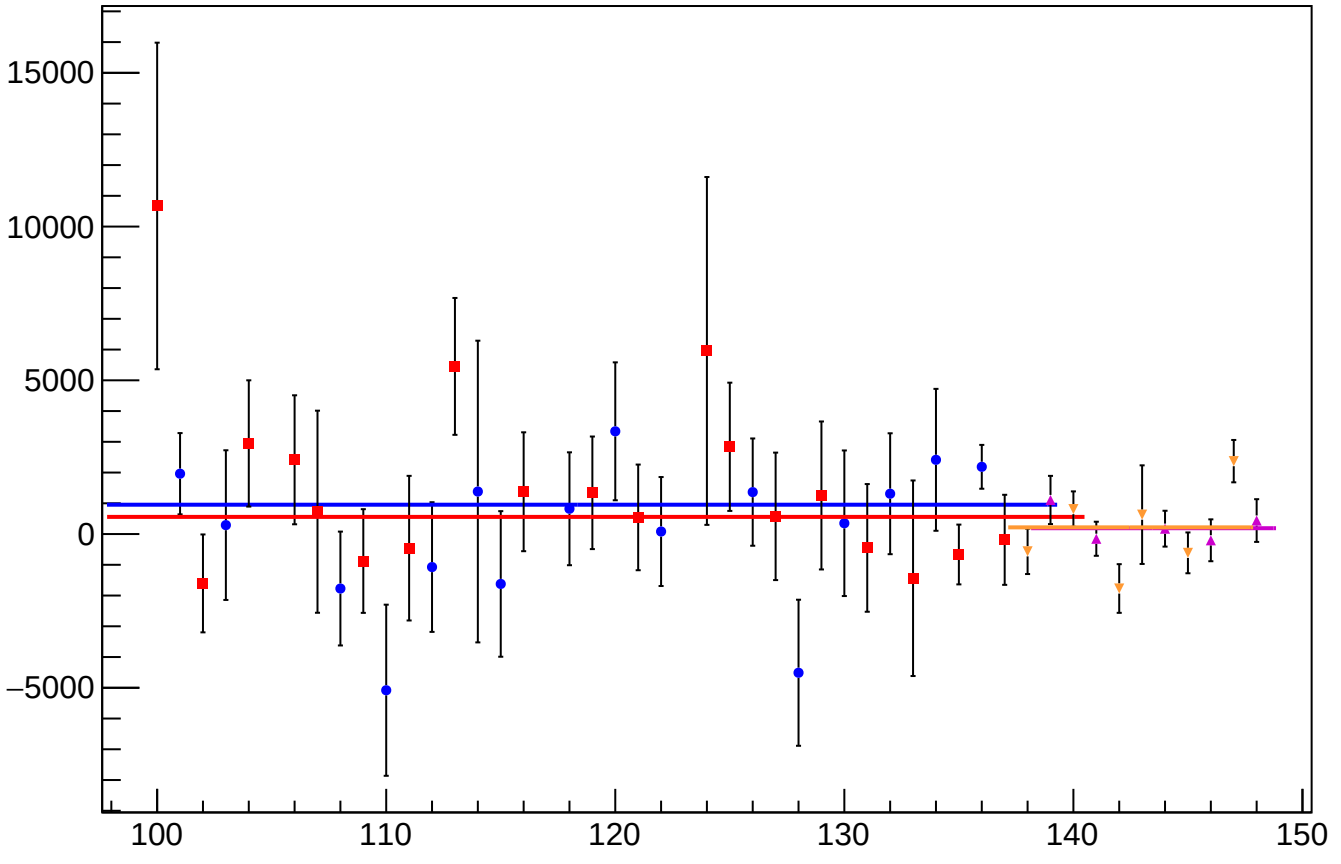
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1298.366+/-0.272 χ^2/NDF: 662785.2/21

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

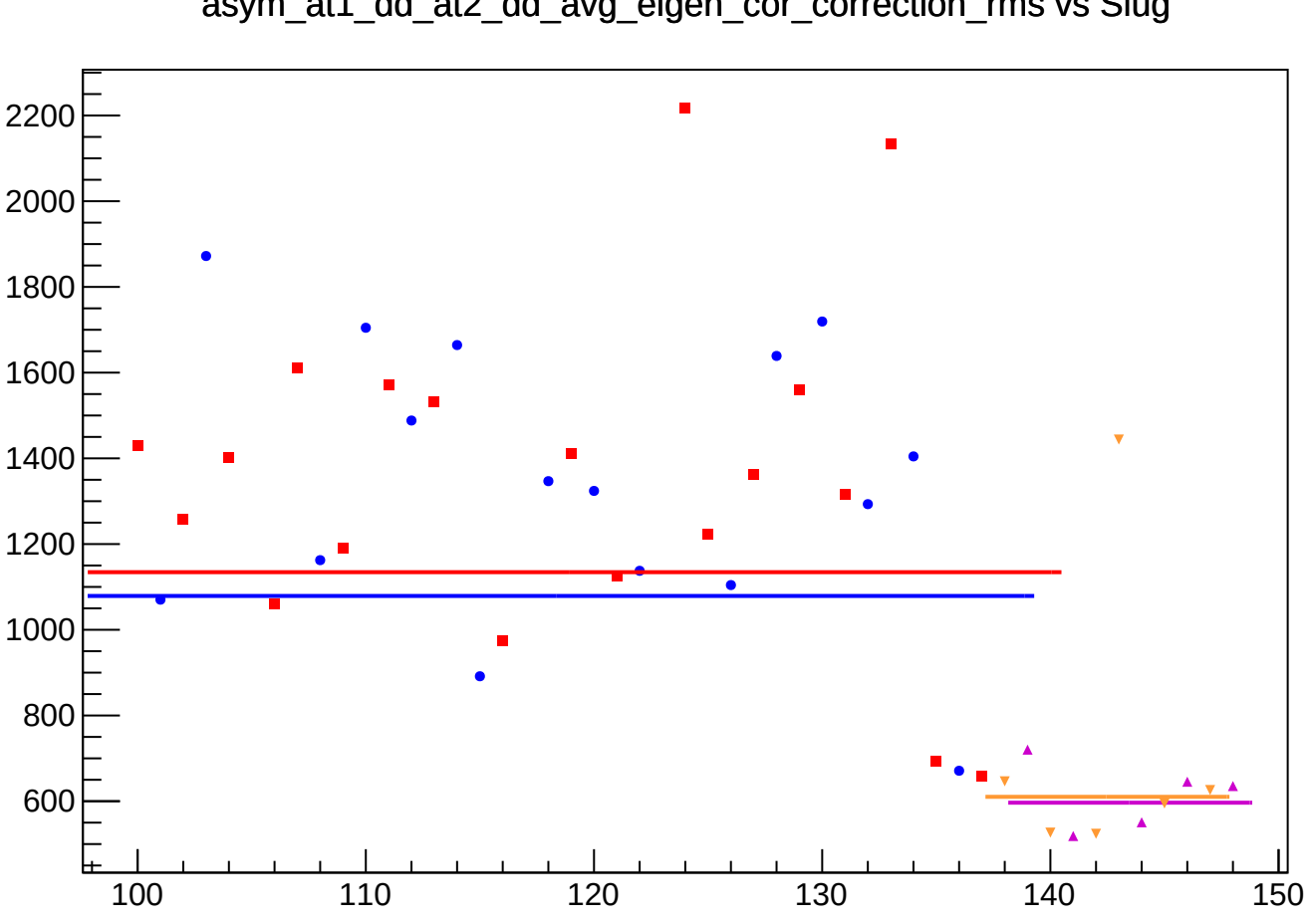
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 460.526+/-244.516 χ^2/NDF: 41.8/21

All: 379.128+/-171.680 χ^2/NDF: 63.1/45

- sign 299.985+/-241.105 χ^2/NDF: 21.1/23



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

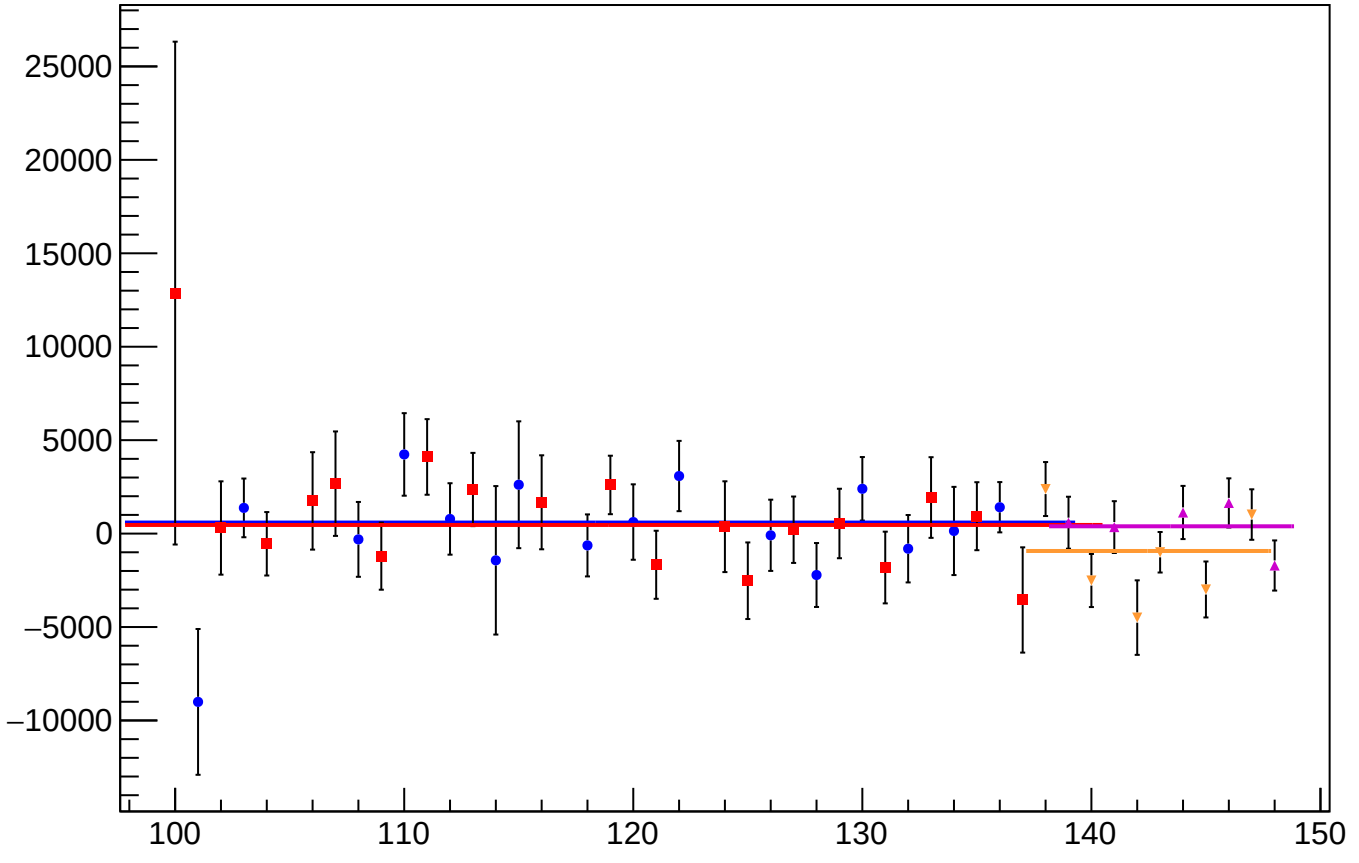
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 764.895+/-0.173 χ^2/NDF: 3716582.4/21

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45

\- sign 757.503+/-0.170 χ^2/NDF: 3494245.1/23

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

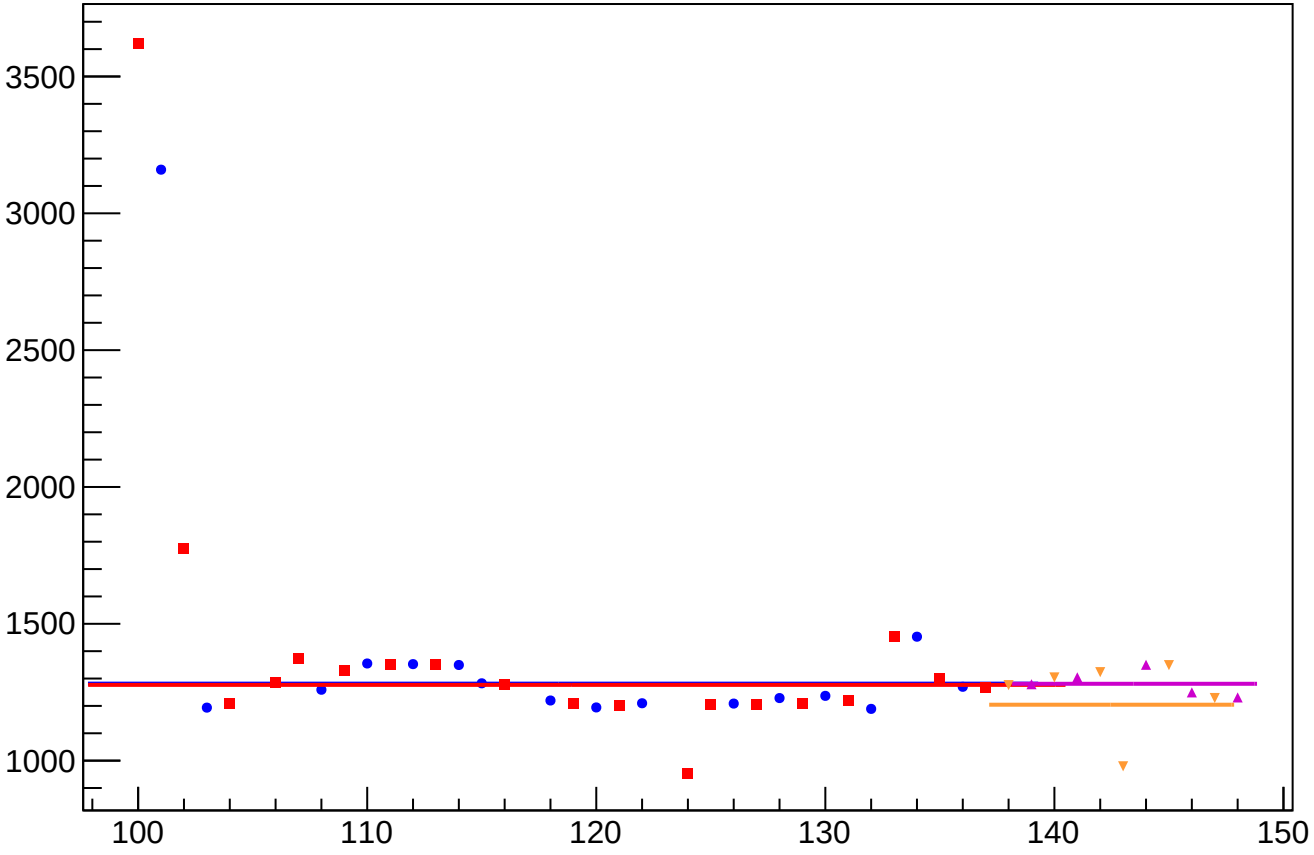
Left In: 390.717+/-612.675 χ^2/NDF:3.6/4

\+ sign -48.434+/-369.744 χ^2/NDF: 34.9/21

All: 189.289+/-263.728 χ^2/NDF: 56.1/45

\- sign 435.490+/-376.279 χ^2/NDF: 20.3/23

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

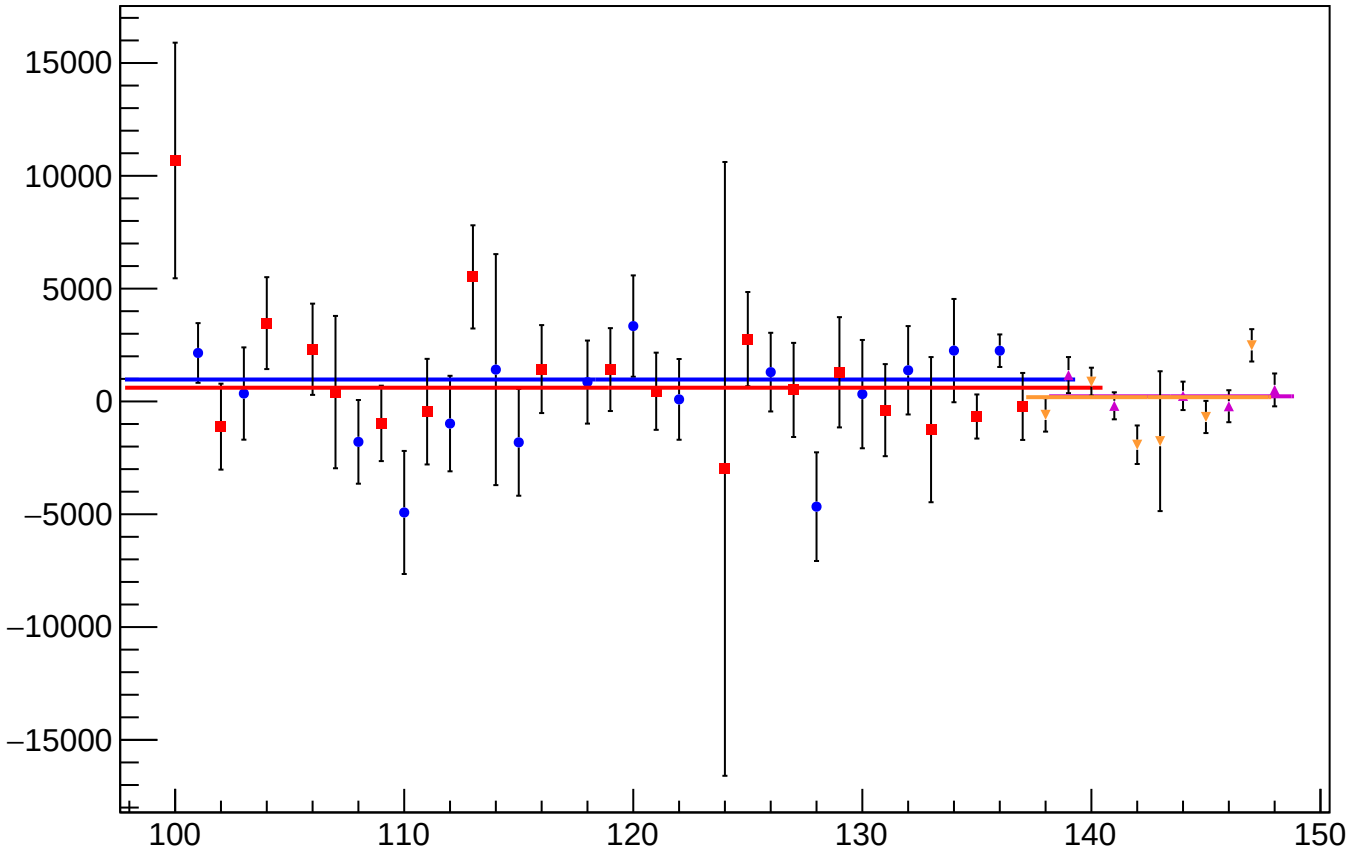
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1249.027+/-0.261 χ^2/NDF: 655676.5/21

All: 1263.436+/-0.186 χ^2/NDF: 891676.9/45

- sign 1278.358+/-0.266 χ^2/NDF: 229817.5/23



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

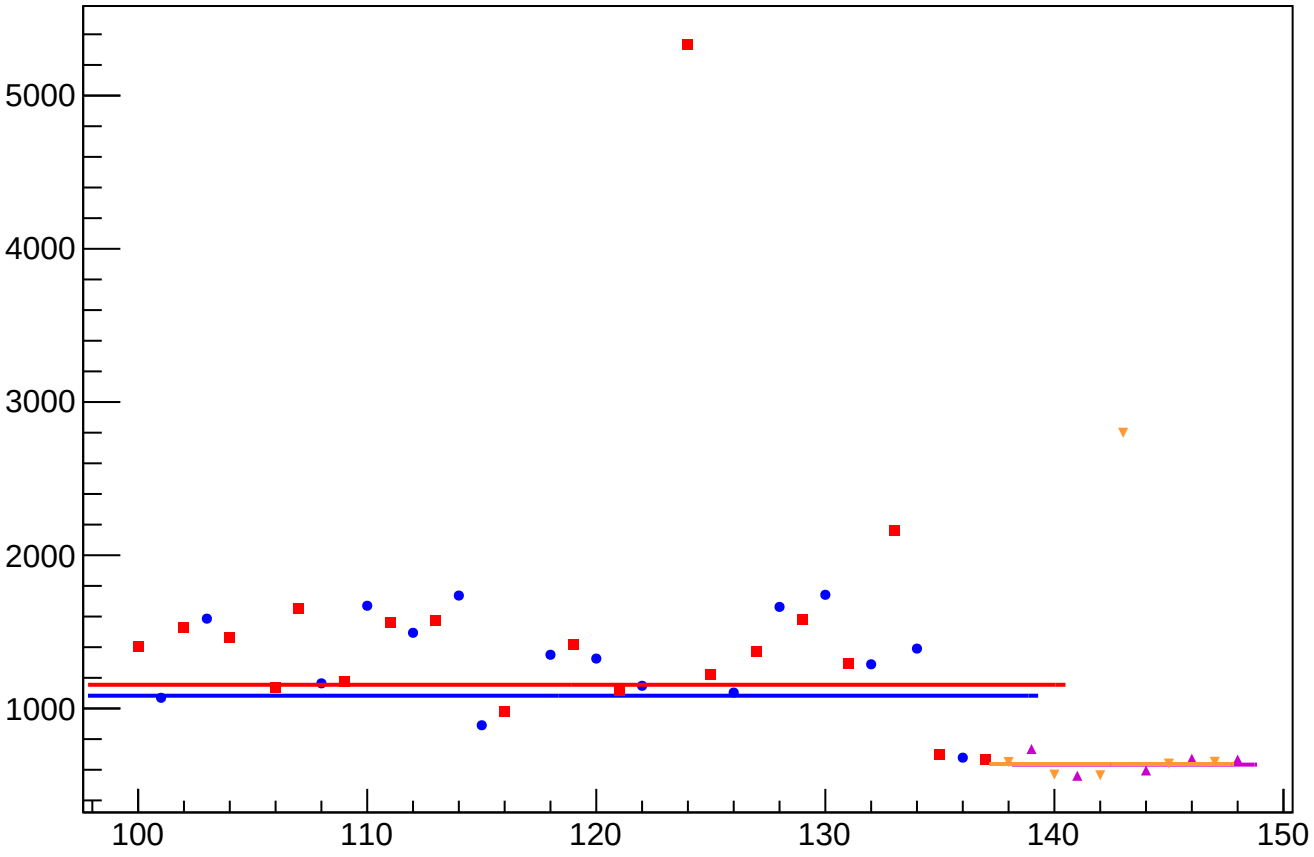
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 227.704+/-305.096 χ^2/NDF:2.4/4

\+ sign 471.790+/-255.475 χ^2/NDF: 43.2/21

All: 409.296+/-179.452 χ^2/NDF: 63.4/45

\- sign 348.431+/-252.125 χ^2/NDF: 20.0/23



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

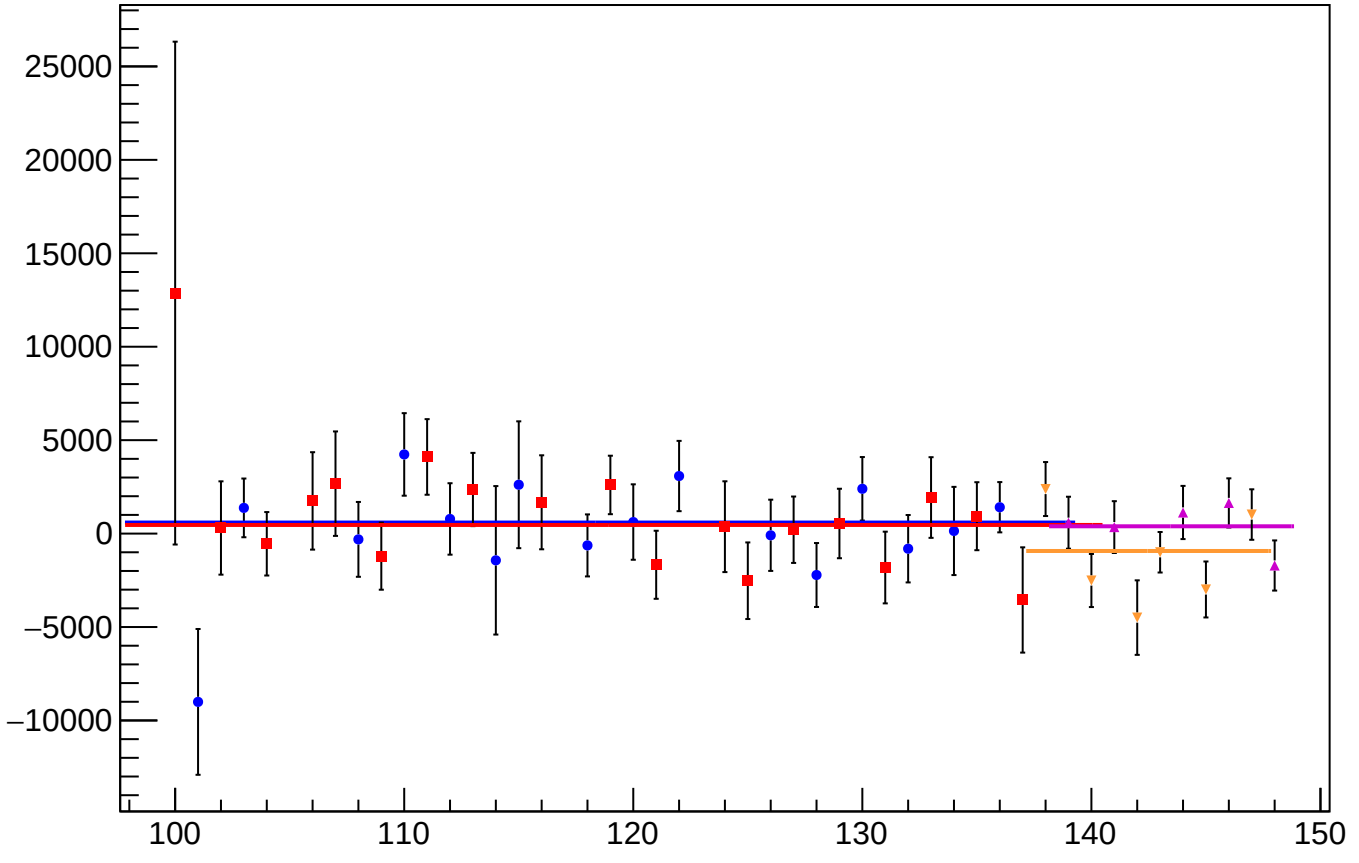
Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

+ sign 798.486+/-0.181 χ^2/NDF: 3779065.0/21

All: 798.655+/-0.127 χ^2/NDF: 7196908.6/45

- sign 798.819+/-0.178 χ^2/NDF: 3417841.9/23

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

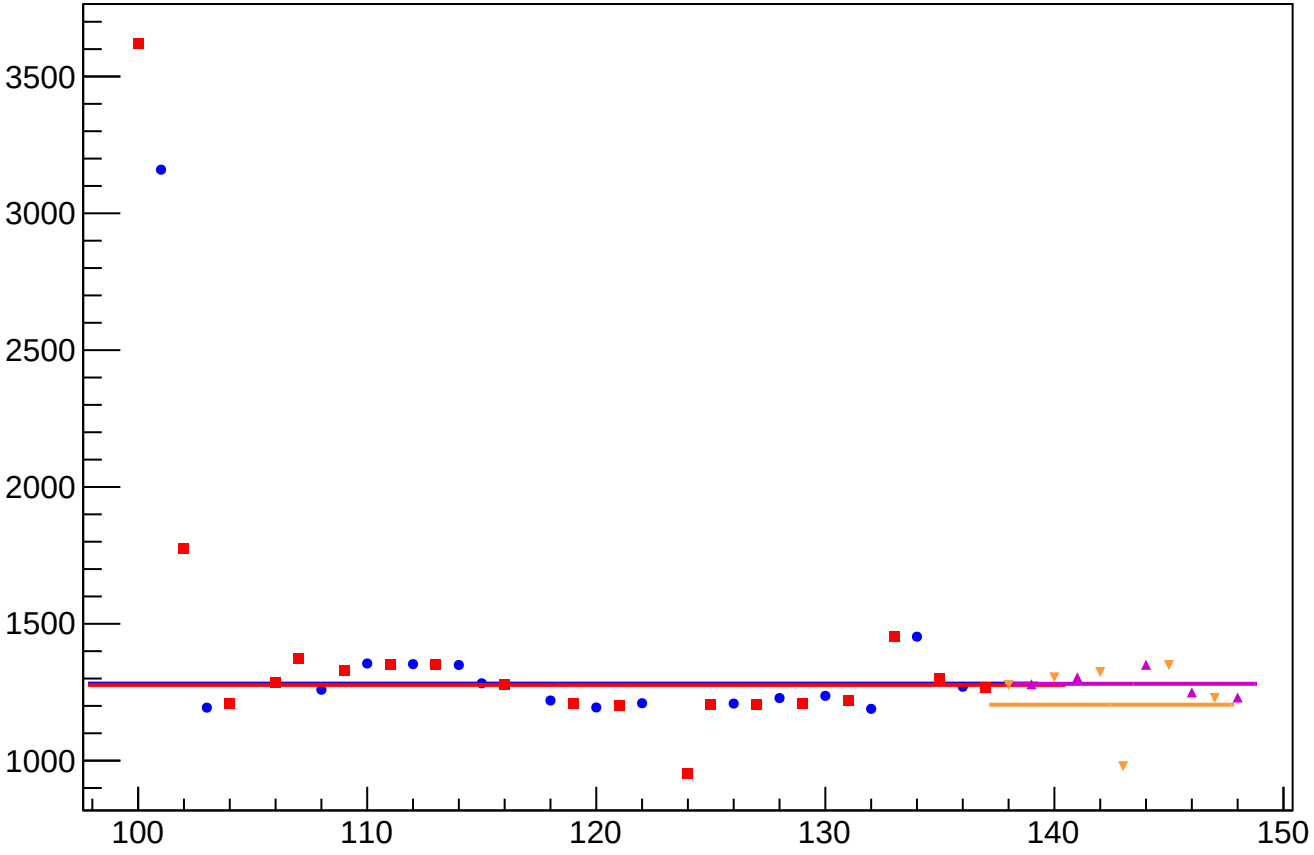
Left In: 390.721+/-612.675 χ^2/NDF:3.6/4

+ sign -48.433+/-369.744 χ^2/NDF: 34.9/21

All: 189.290+/-263.728 χ^2/NDF: 56.1/45

- sign 435.491+/-376.279 χ^2/NDF: 20.3/23

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

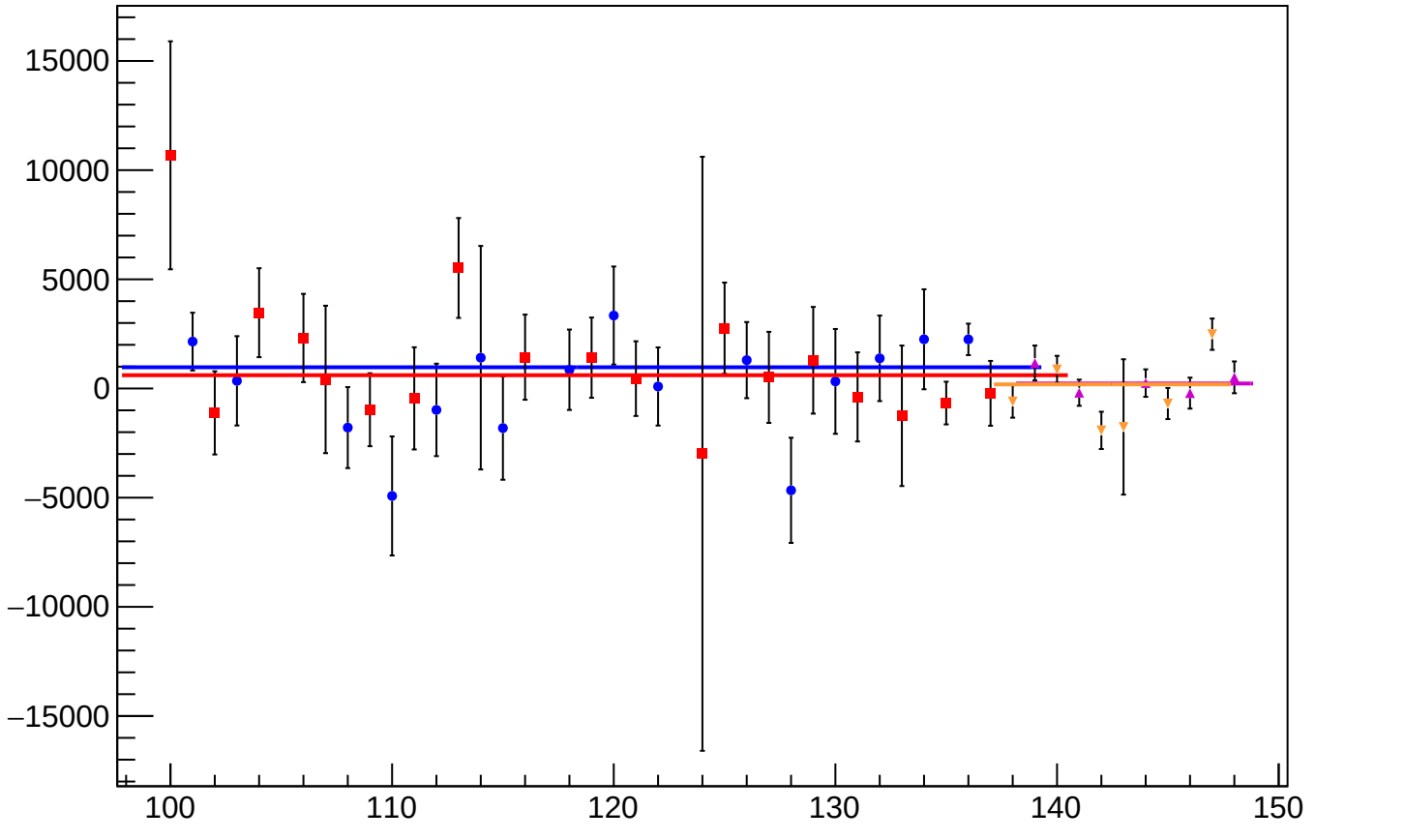
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1249.027+/-0.261 χ^2/NDF: 655675.8/21

All: 1263.436+/-0.186 χ^2/NDF: 891676.1/45

- sign 1278.358+/-0.266 χ^2/NDF: 229817.4/23



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

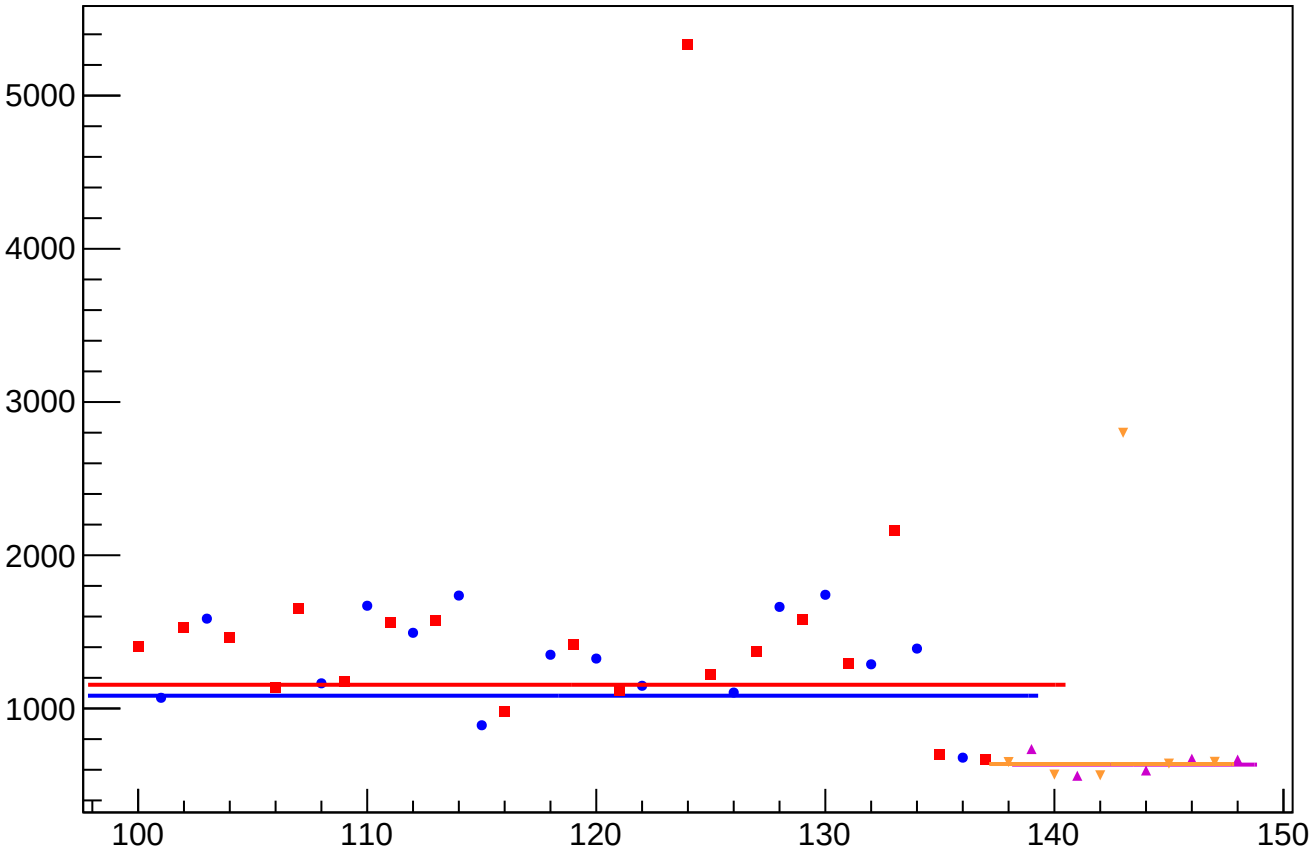
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 227.703+/-305.096 χ^2/NDF:2.4/4

+ sign 471.790+/-255.476 χ^2/NDF: 43.2/21

All: 409.297+/-179.452 χ^2/NDF: 63.4/45

- sign 348.433+/-252.125 χ^2/NDF: 20.0/23



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

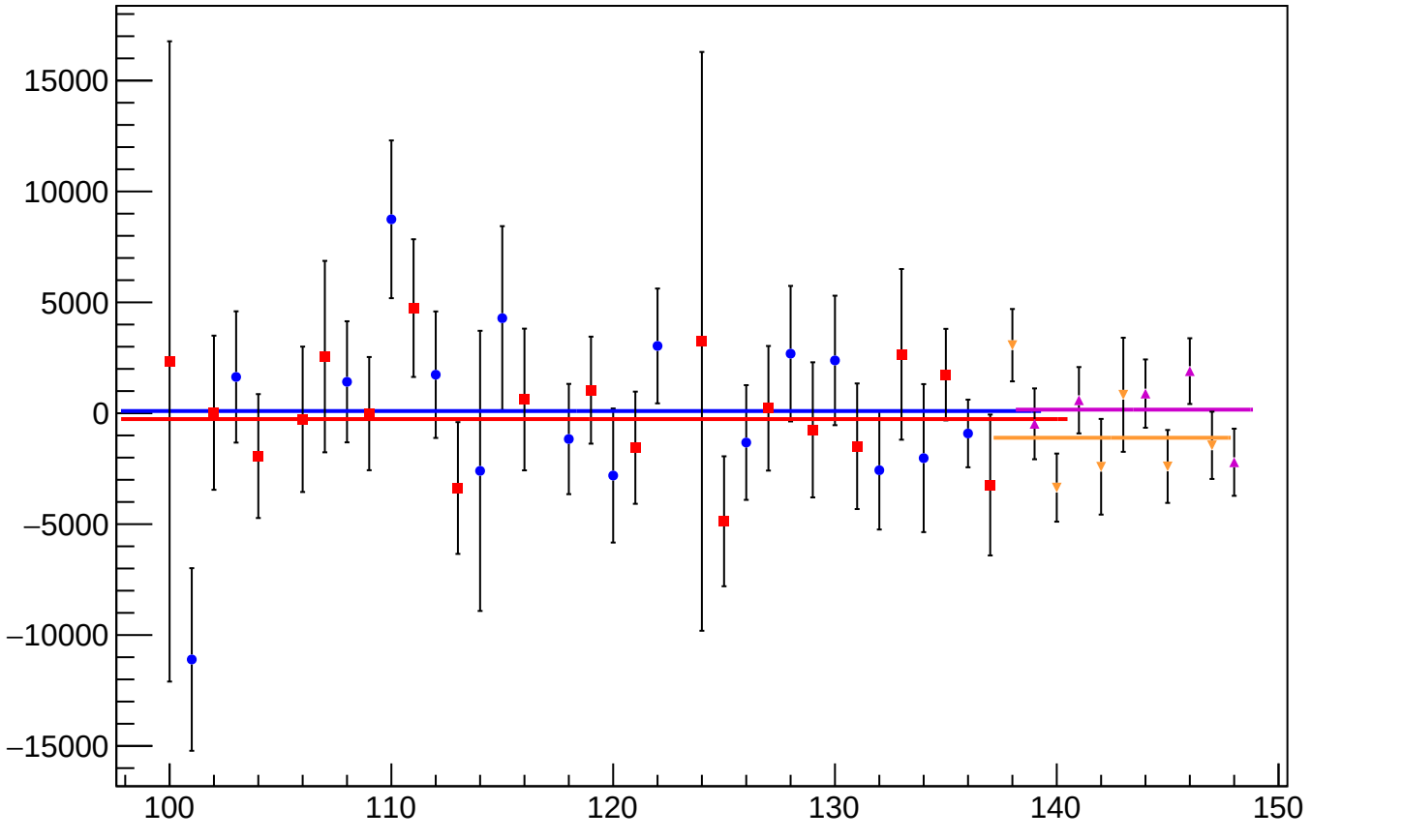
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

+ sign 798.490+/-0.181 χ^2/NDF: 3779017.9/21

All: 798.657+/-0.127 χ^2/NDF: 7196854.3/45

- sign 798.820+/-0.178 χ^2/NDF: 3417834.7/23



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

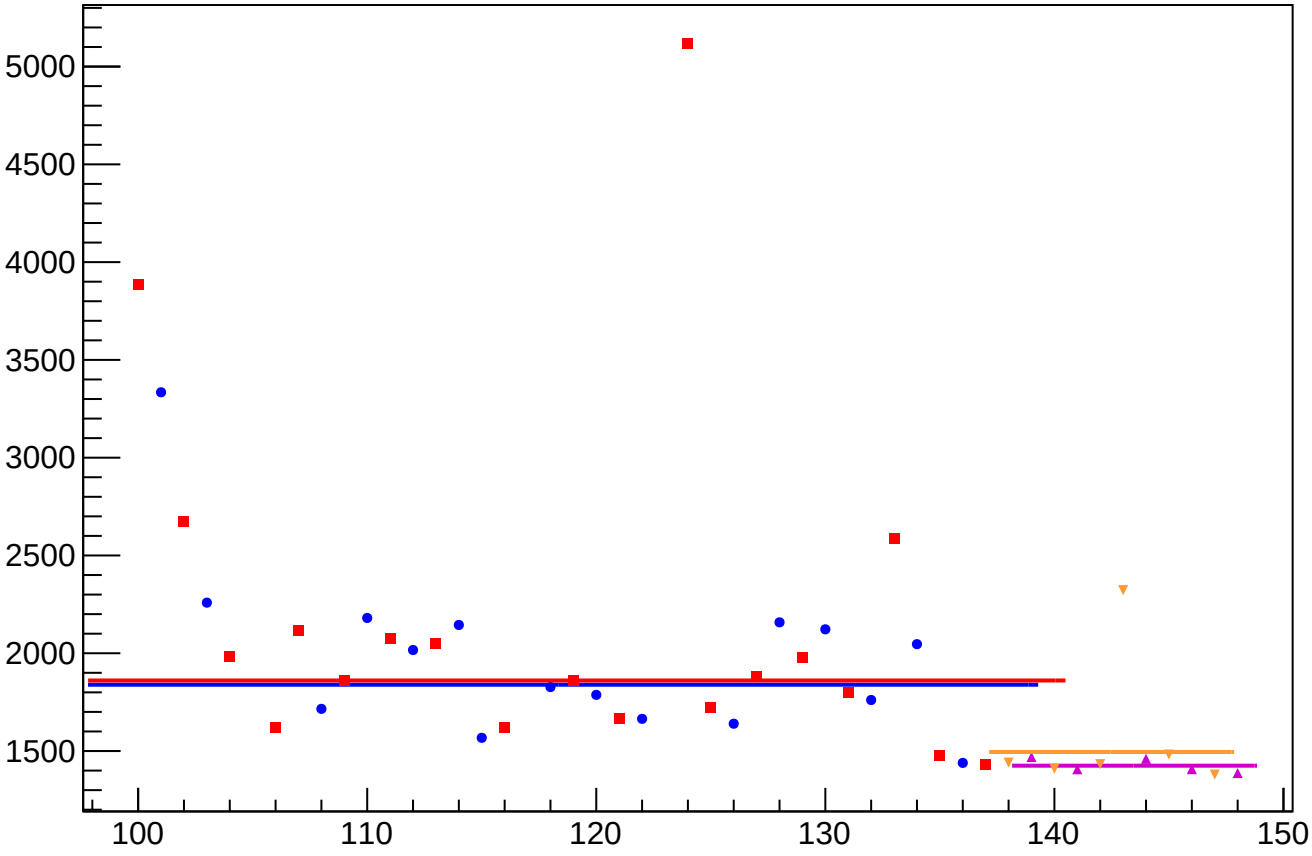
Left In: 162.584+/-681.529 χ^2/NDF:4.3/4

+ sign -490.920+/-498.912 χ^2/NDF: 33.0/21

All: -262.861+/-348.942 χ^2/NDF: 48.3/45

- sign -44.472+/-488.220 χ^2/NDF: 14.8/23

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

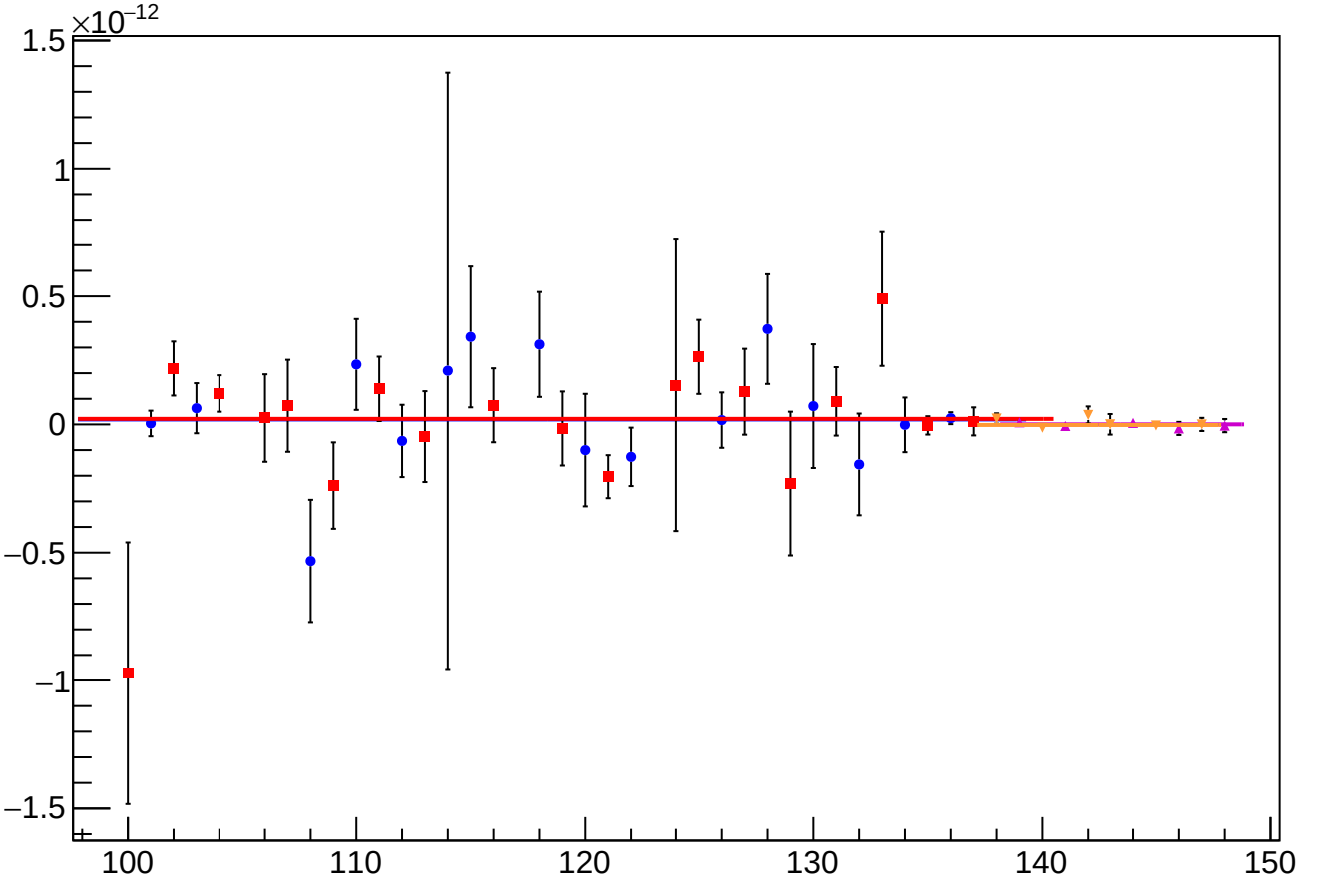
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

+ sign 1670.345+/-0.353 χ^2/NDF: 1023142.2/21

All: 1653.392+/-0.247 χ^2/NDF: 1952143.2/45

- sign 1637.159+/-0.345 χ^2/NDF: 924480.7/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

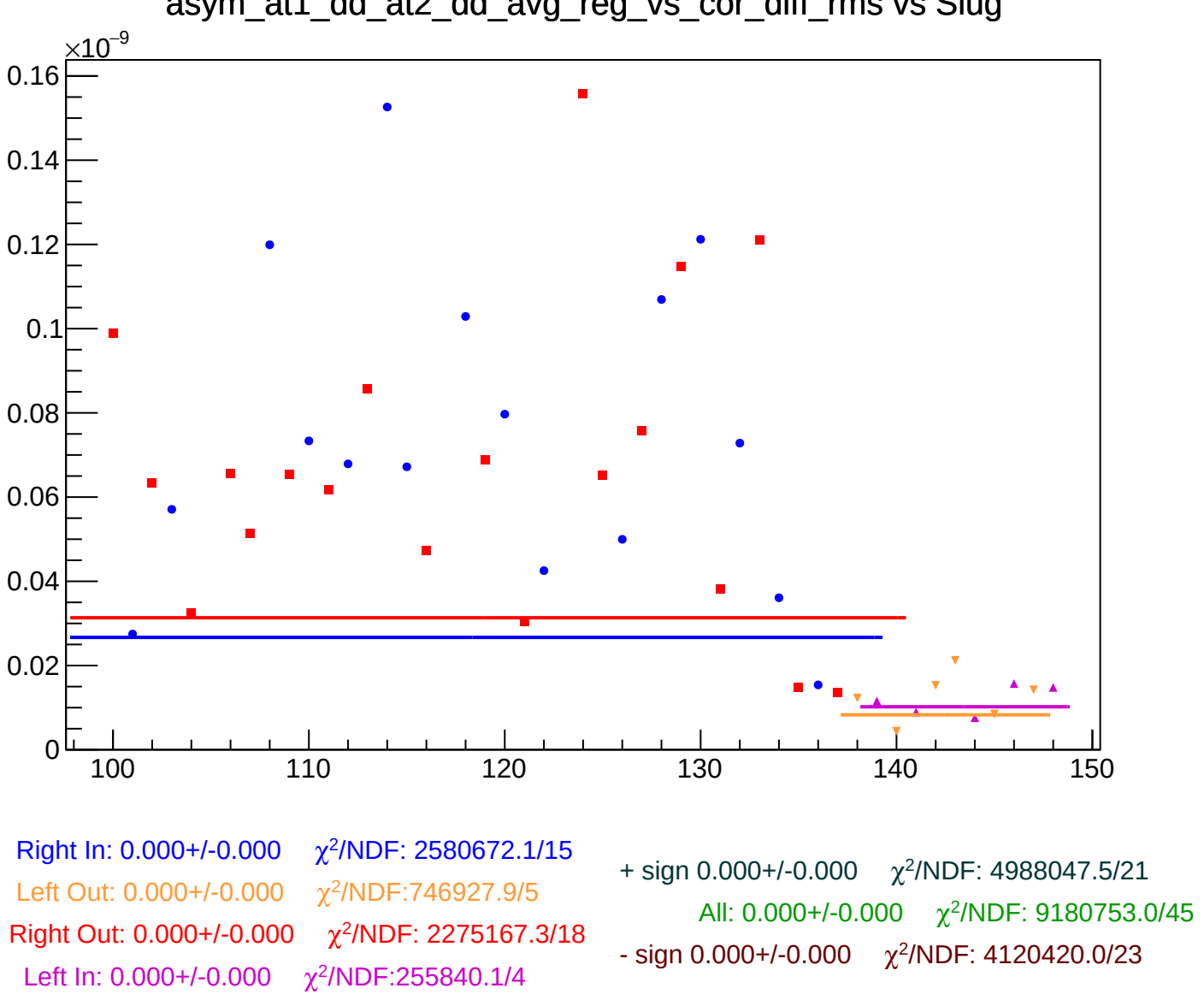
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

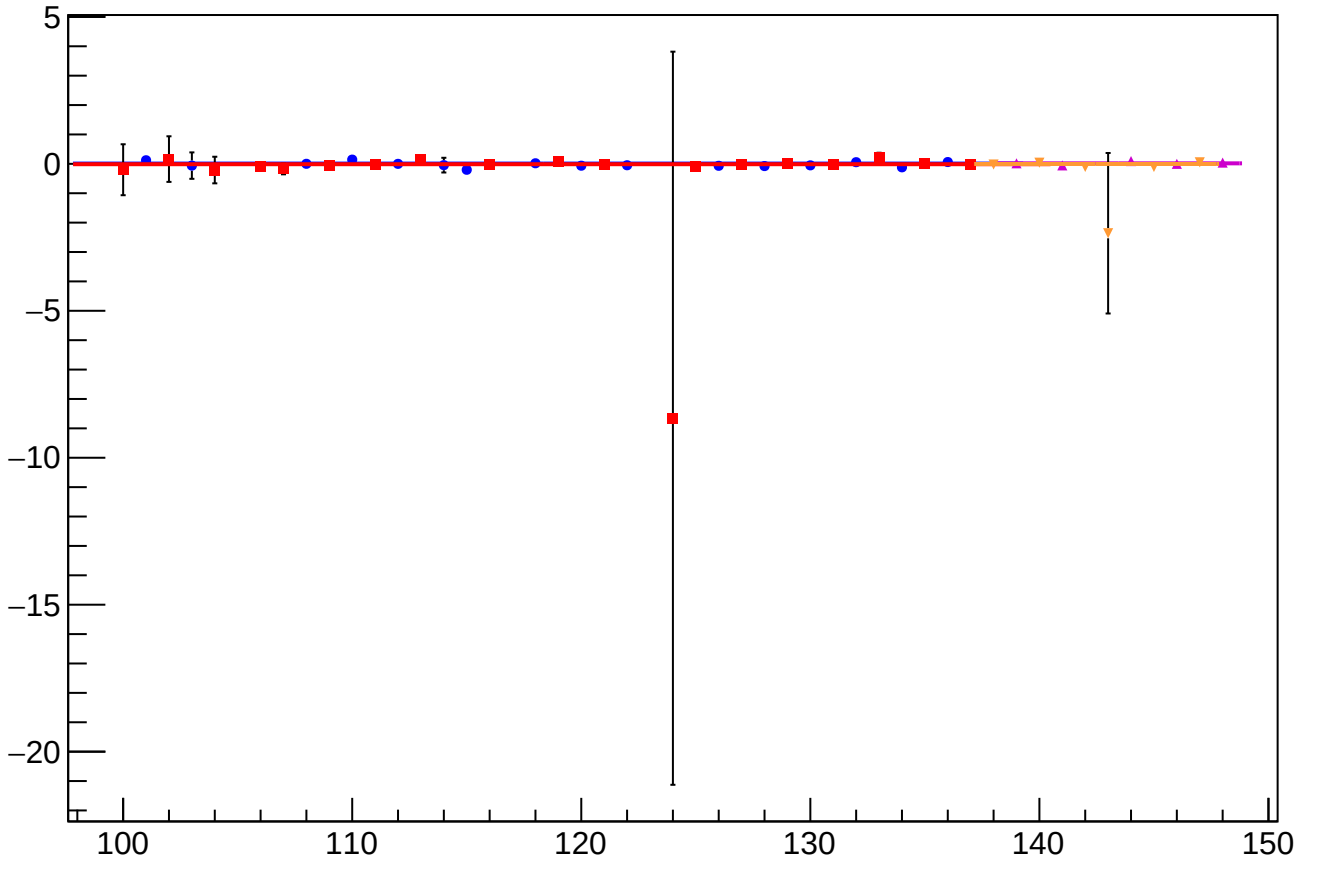
Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 51.6/45

- sign 0.000+/-0.000 χ^2/NDF: 29.9/23


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:746927.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:255840.1/4
+ sign 0.000+/-0.000 χ²/NDF: 4988047.5/21
All: 0.000+/-0.000 χ²/NDF: 9180753.0/45
- sign 0.000+/-0.000 χ²/NDF: 4120420.0/23



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

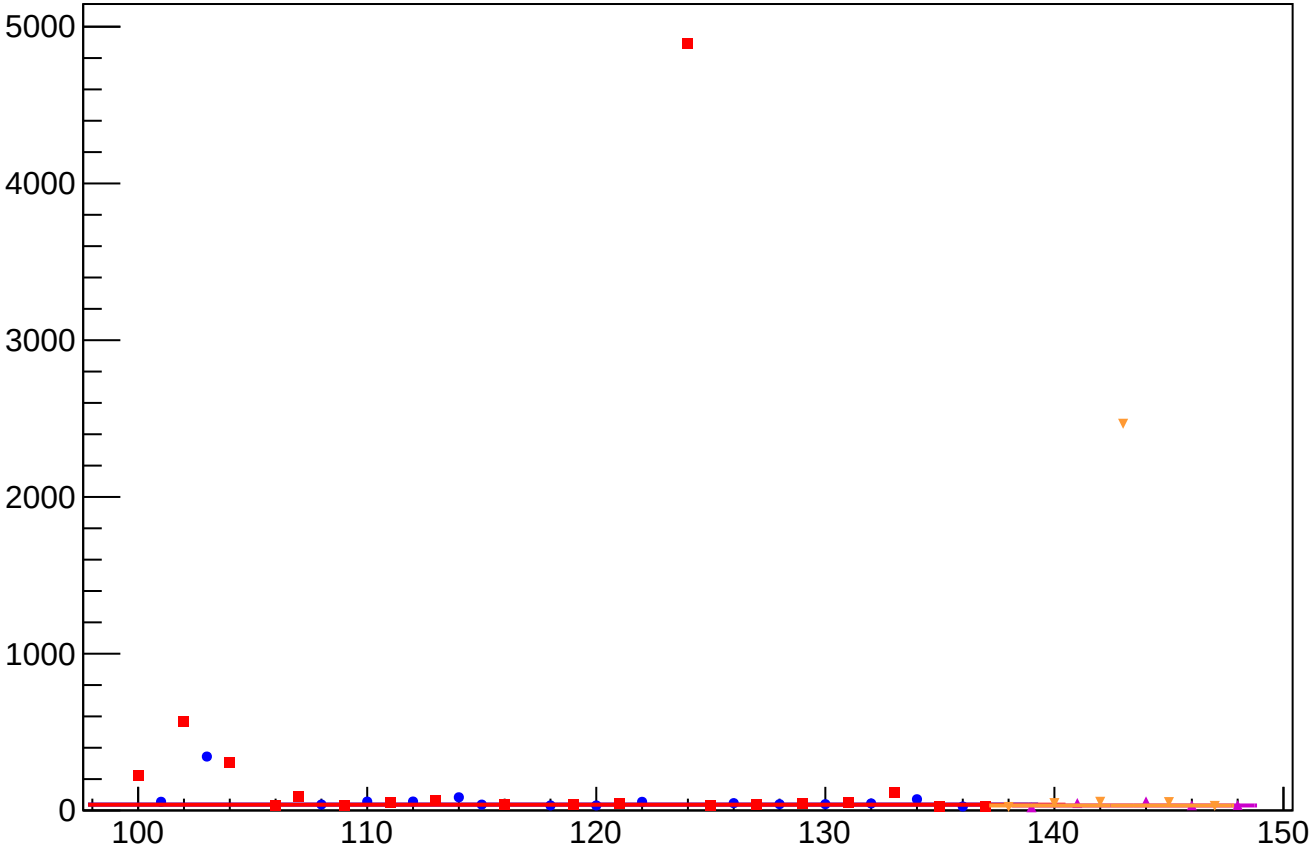
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

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

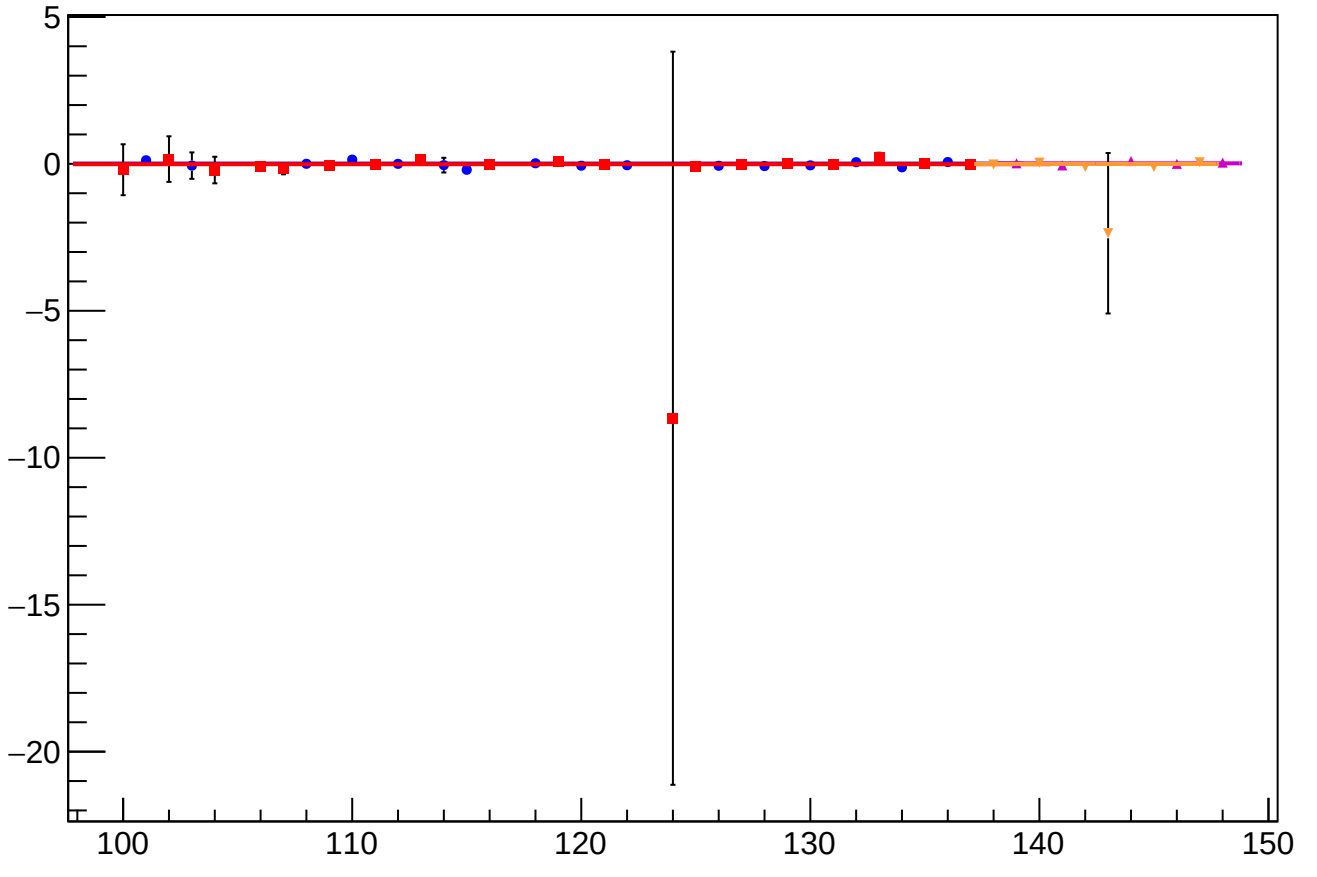
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

- sign 34.416+/-0.009 χ^2/NDF: 4160131.1/23



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.005+/-0.019 χ^2/NDF:8.8/5

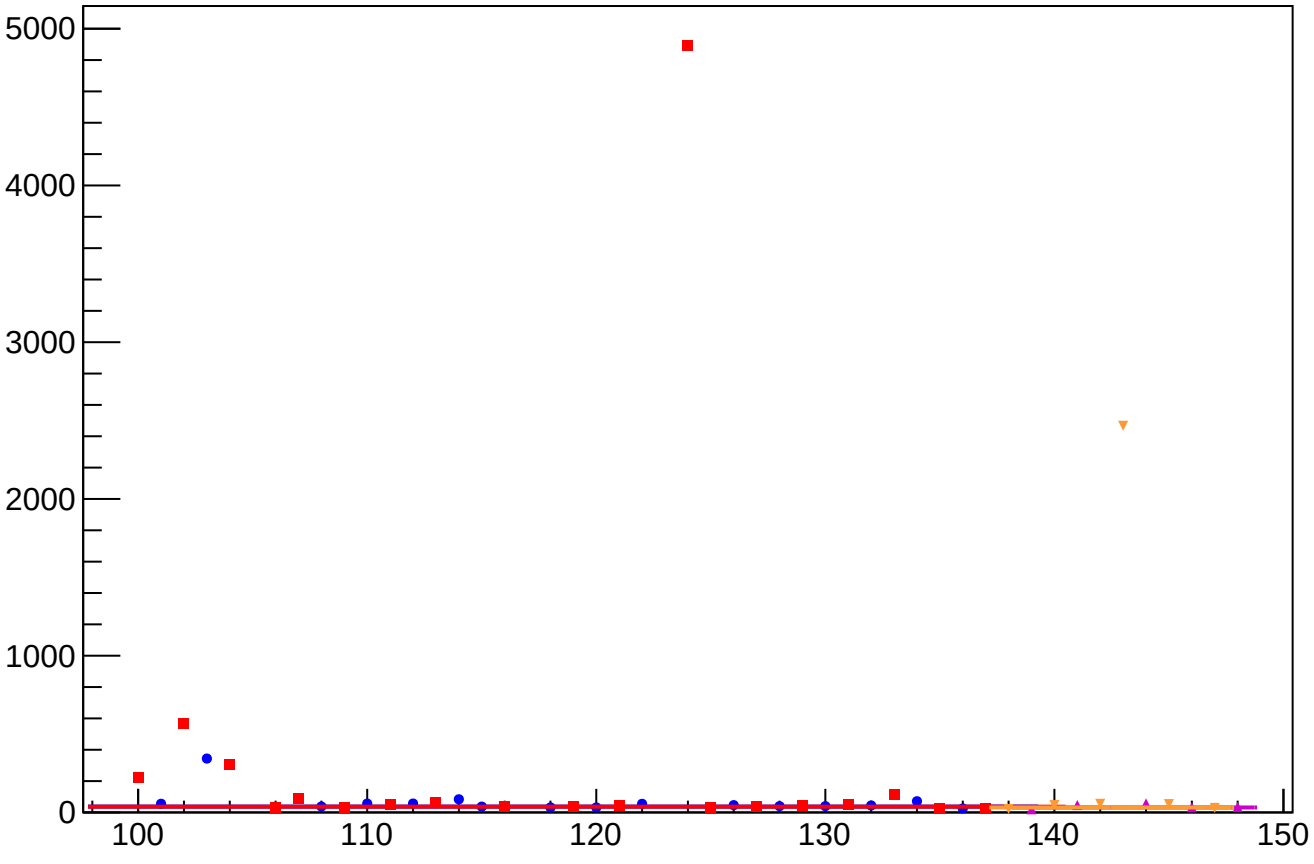
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 31.782+/-0.013 χ^2/NDF:2393922.2/5

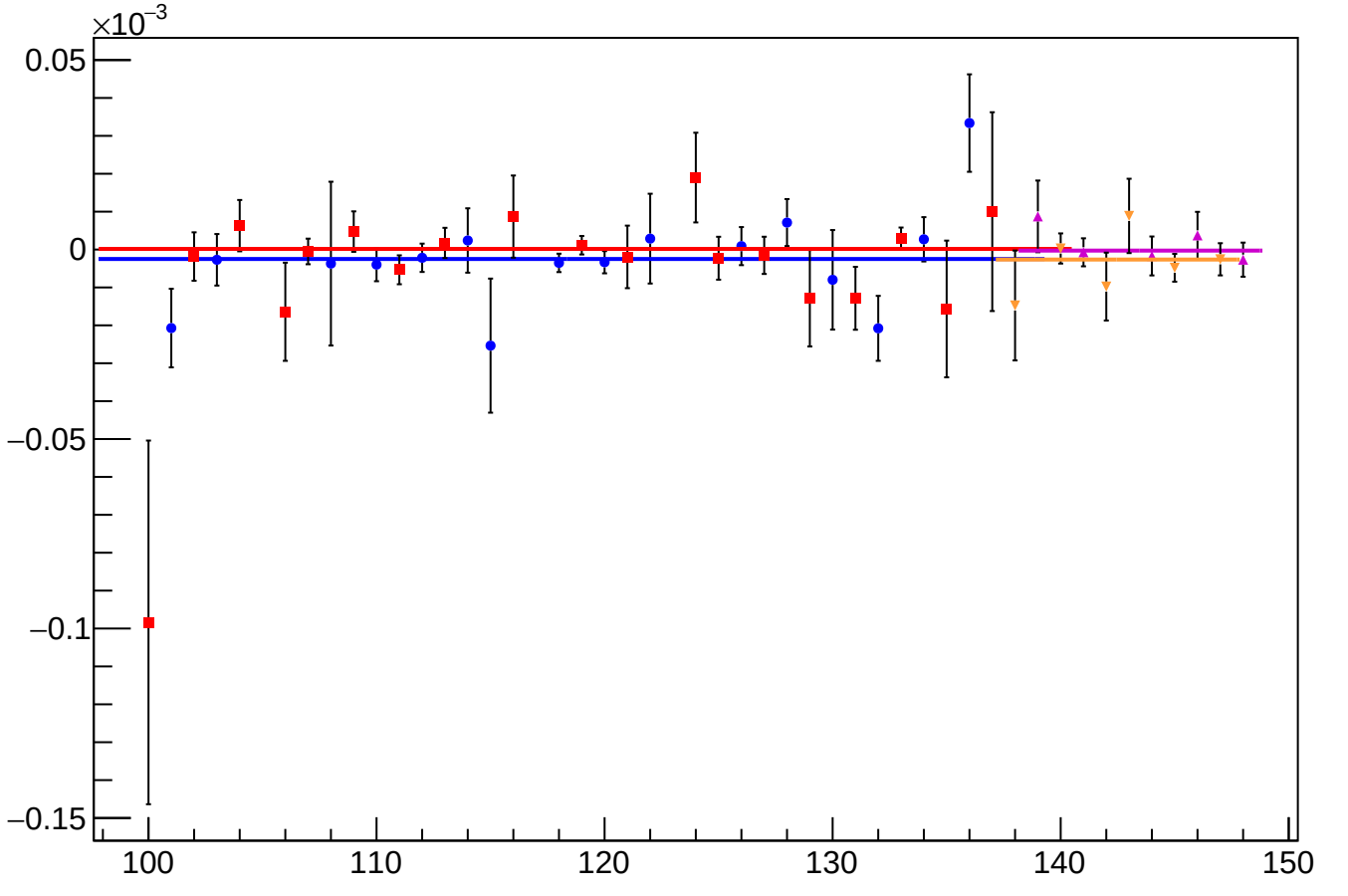
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

\+ sign 35.088+/-0.009 χ^2/NDF: 4483550.0/21

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

\- sign 34.416+/-0.009 χ^2/NDF: 4160131.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

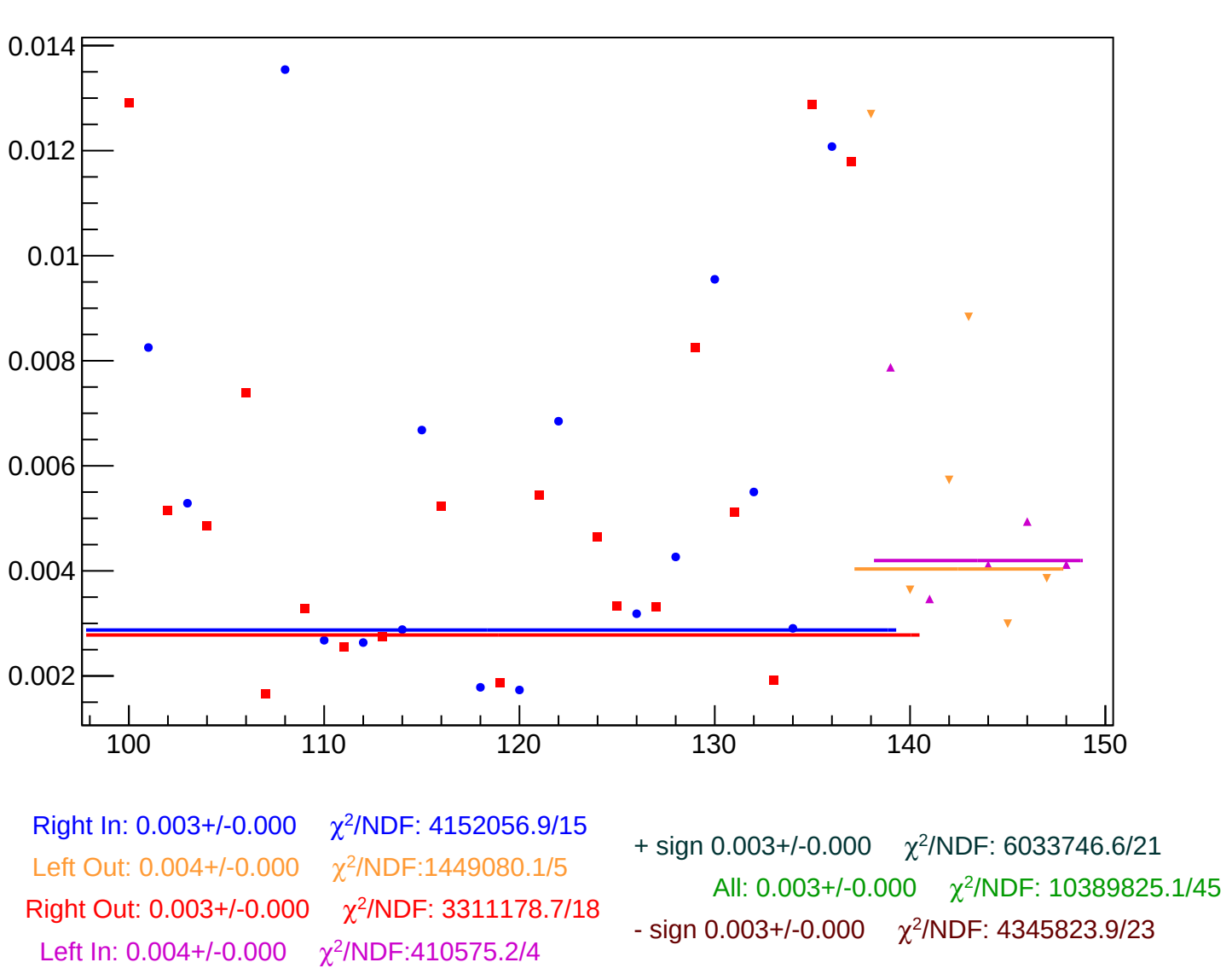
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

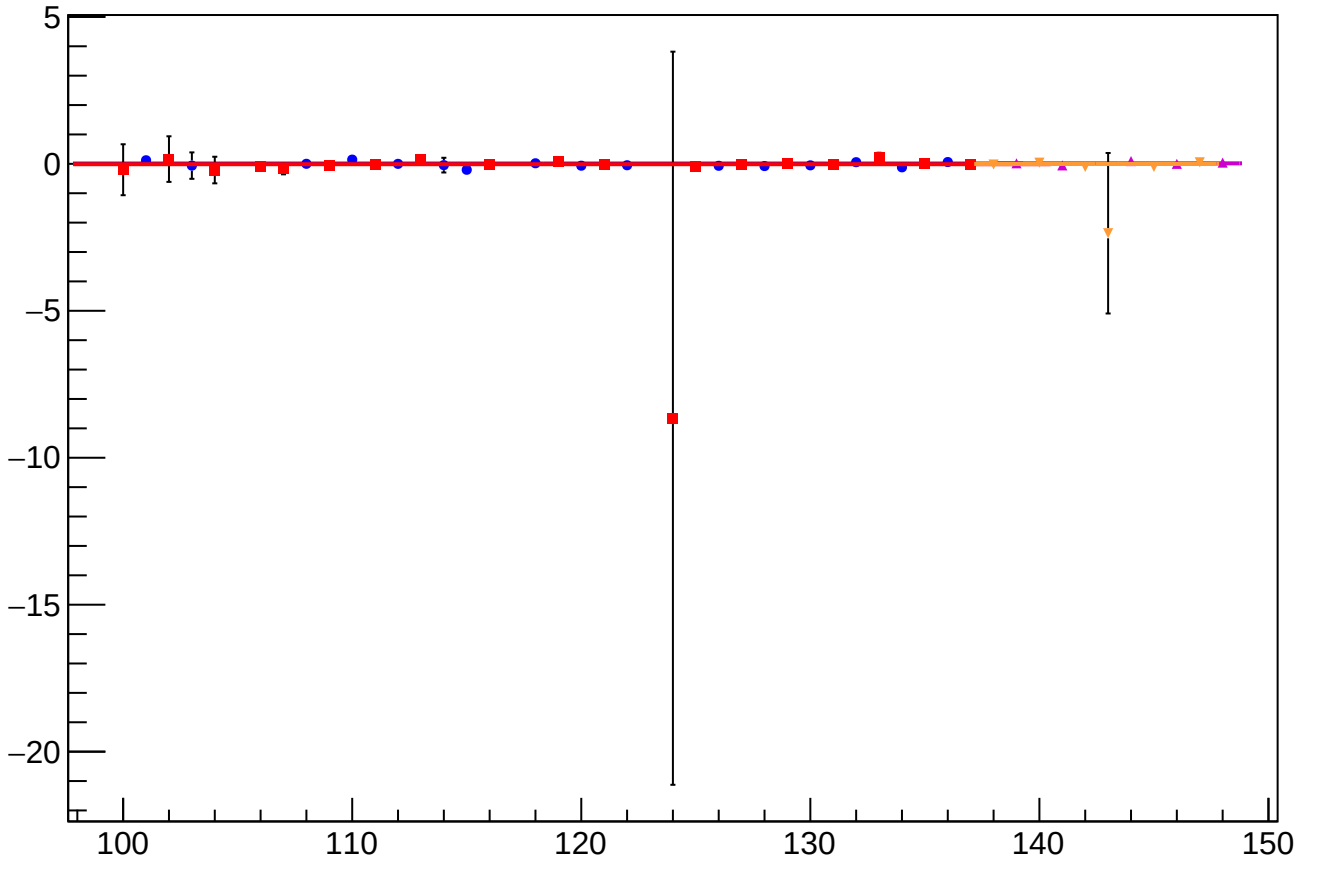
Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/21

All: -0.000+/-0.000 χ^2/NDF: 49.0/45

- sign 0.000+/-0.000 χ^2/NDF: 20.6/23


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1449080.1/5
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:410575.2/4
+ sign 0.003+/-0.000 χ²/NDF: 6033746.6/21
All: 0.003+/-0.000 χ²/NDF: 10389825.1/45
- sign 0.003+/-0.000 χ²/NDF: 4345823.9/23



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

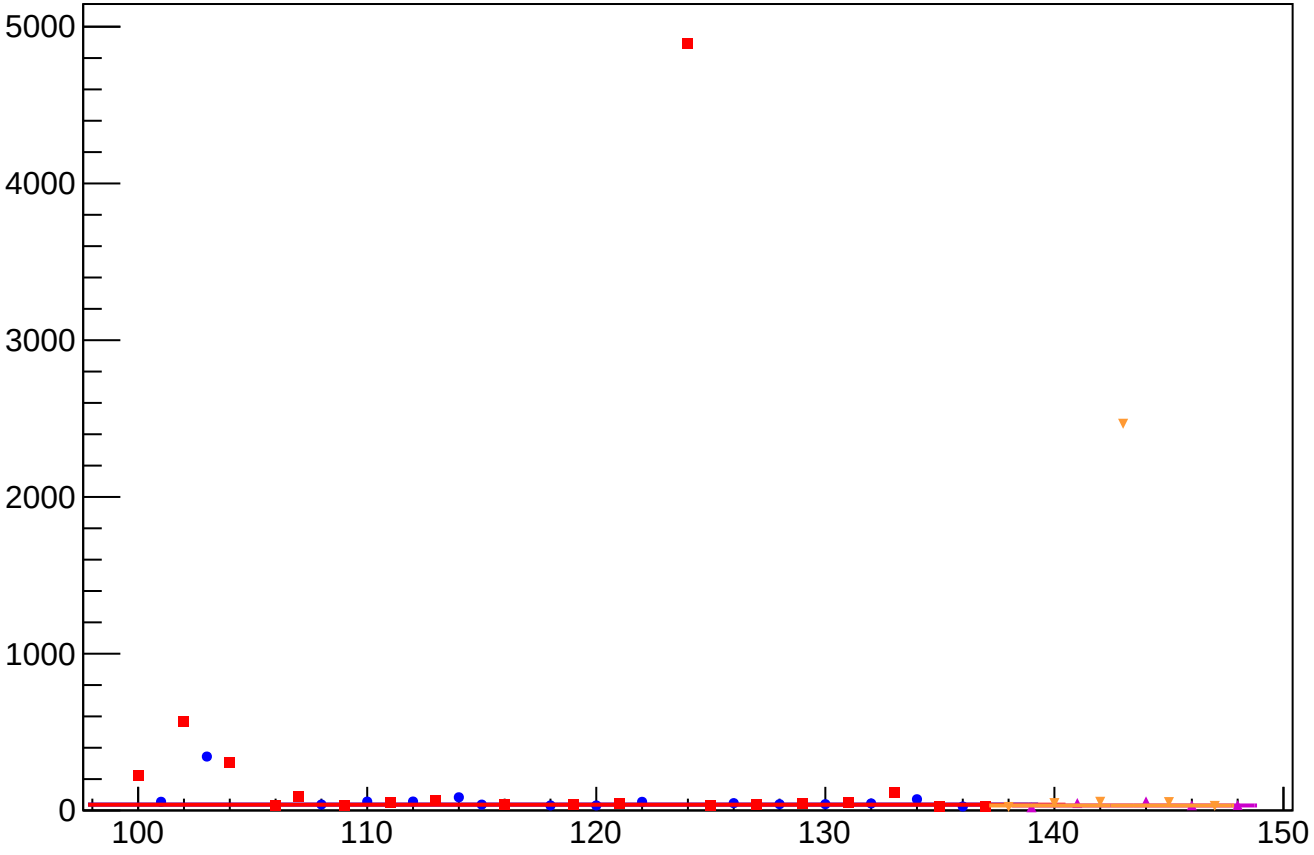
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 31.779+/-0.013 χ^2/NDF:2394231.8/5

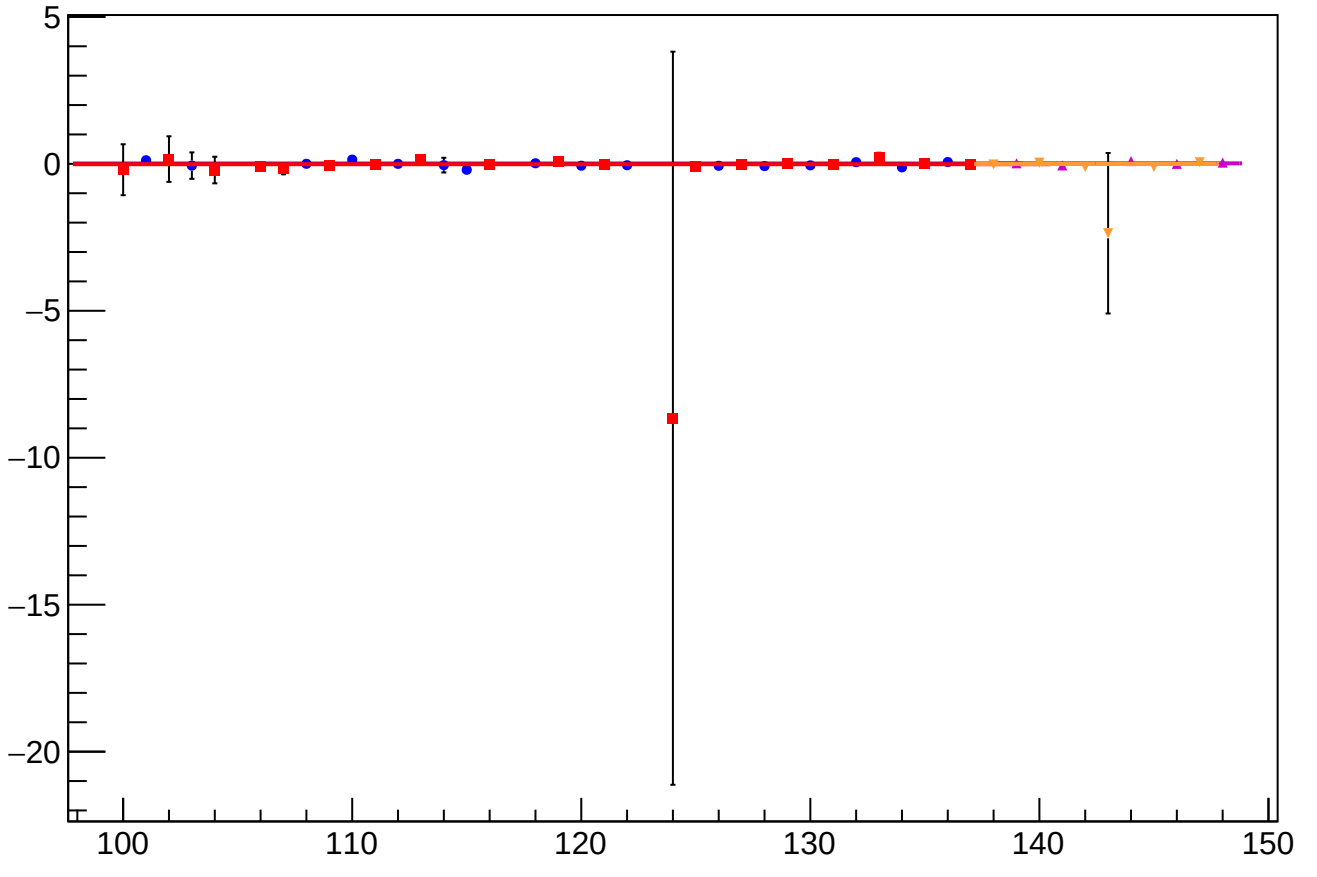
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

- sign 34.420+/-0.009 χ^2/NDF: 4158974.8/23



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

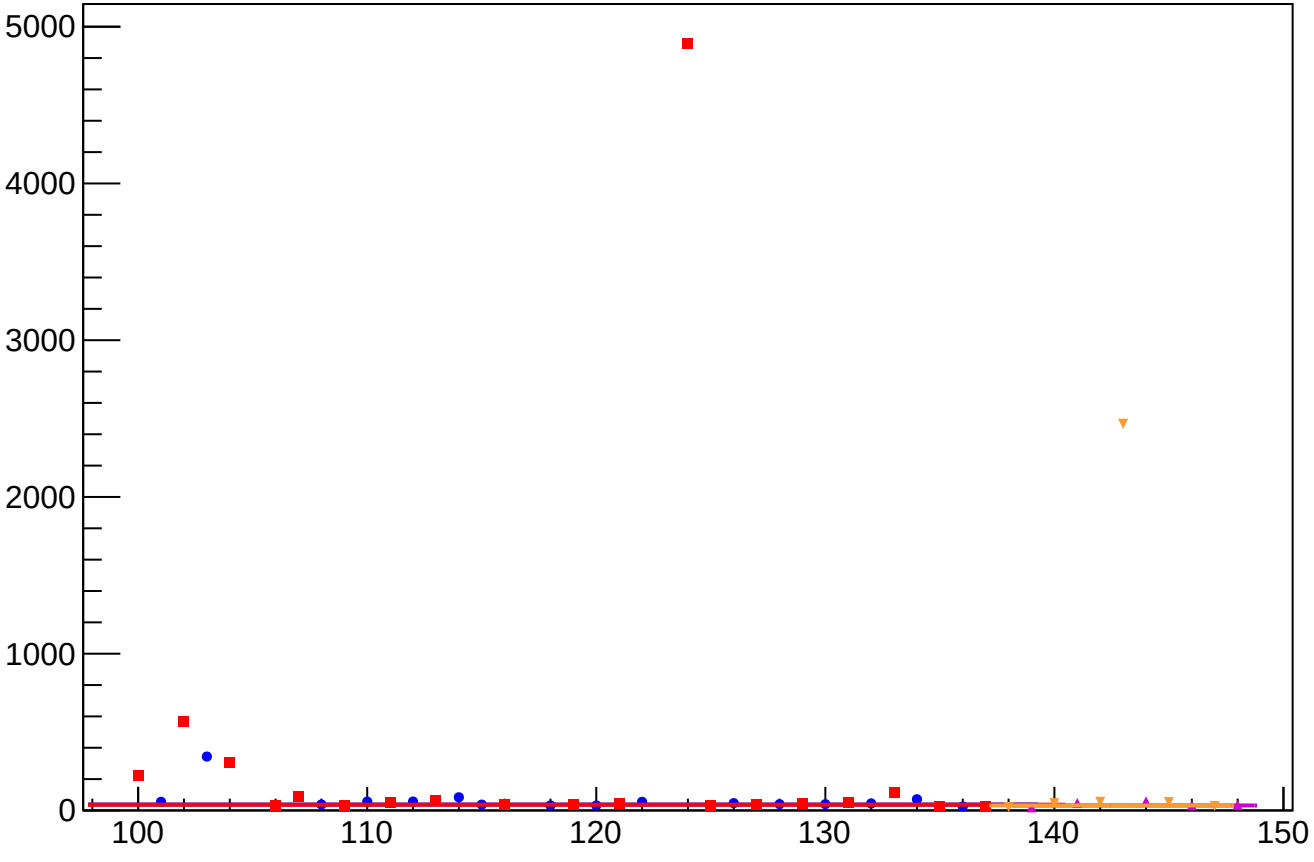
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/21

All: 0.002+/-0.009 χ^2/NDF: 46.3/45

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23

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

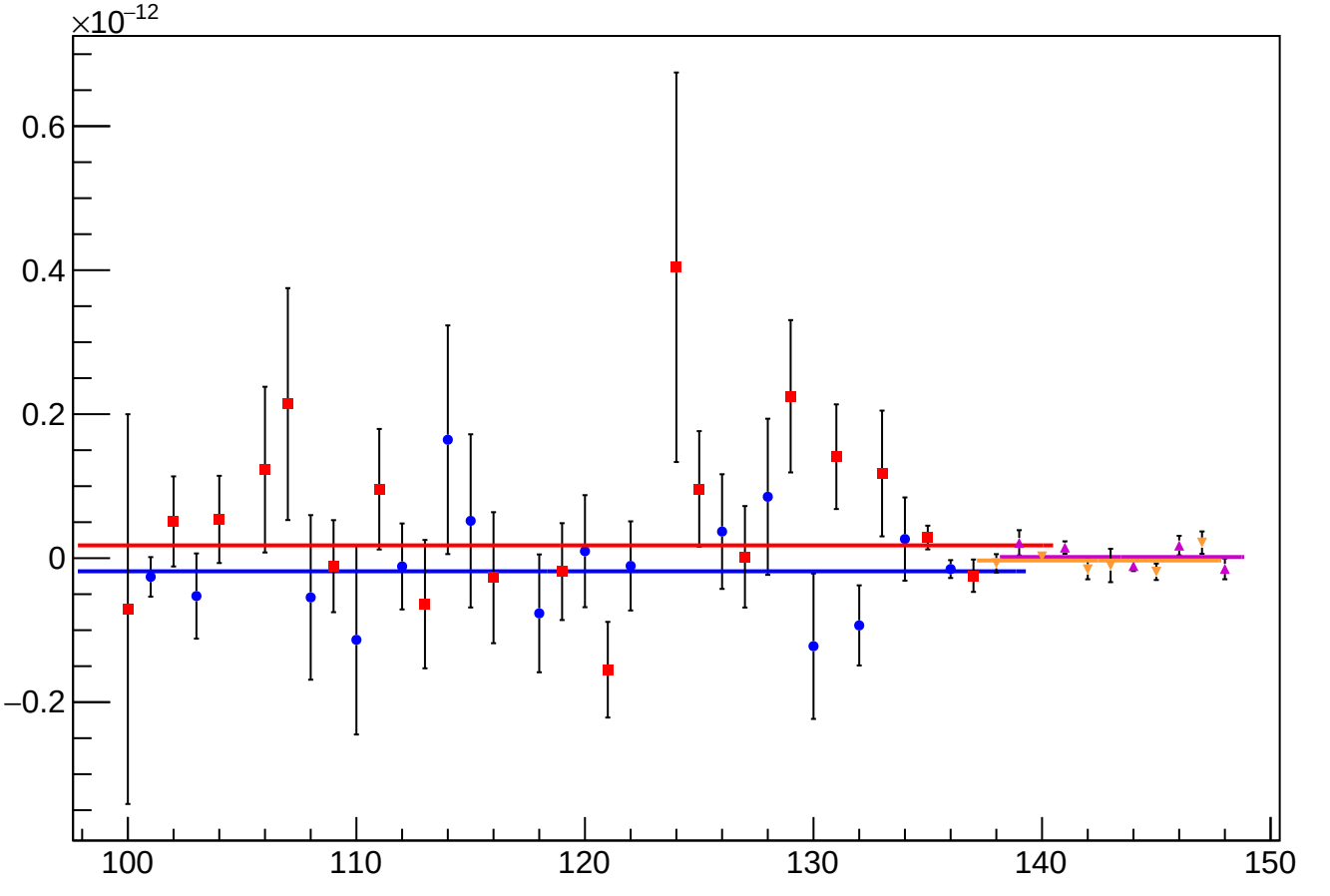
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.086+/-0.009 χ^2/NDF: 4483947.8/21

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

- sign 34.420+/-0.009 χ^2/NDF: 4158974.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

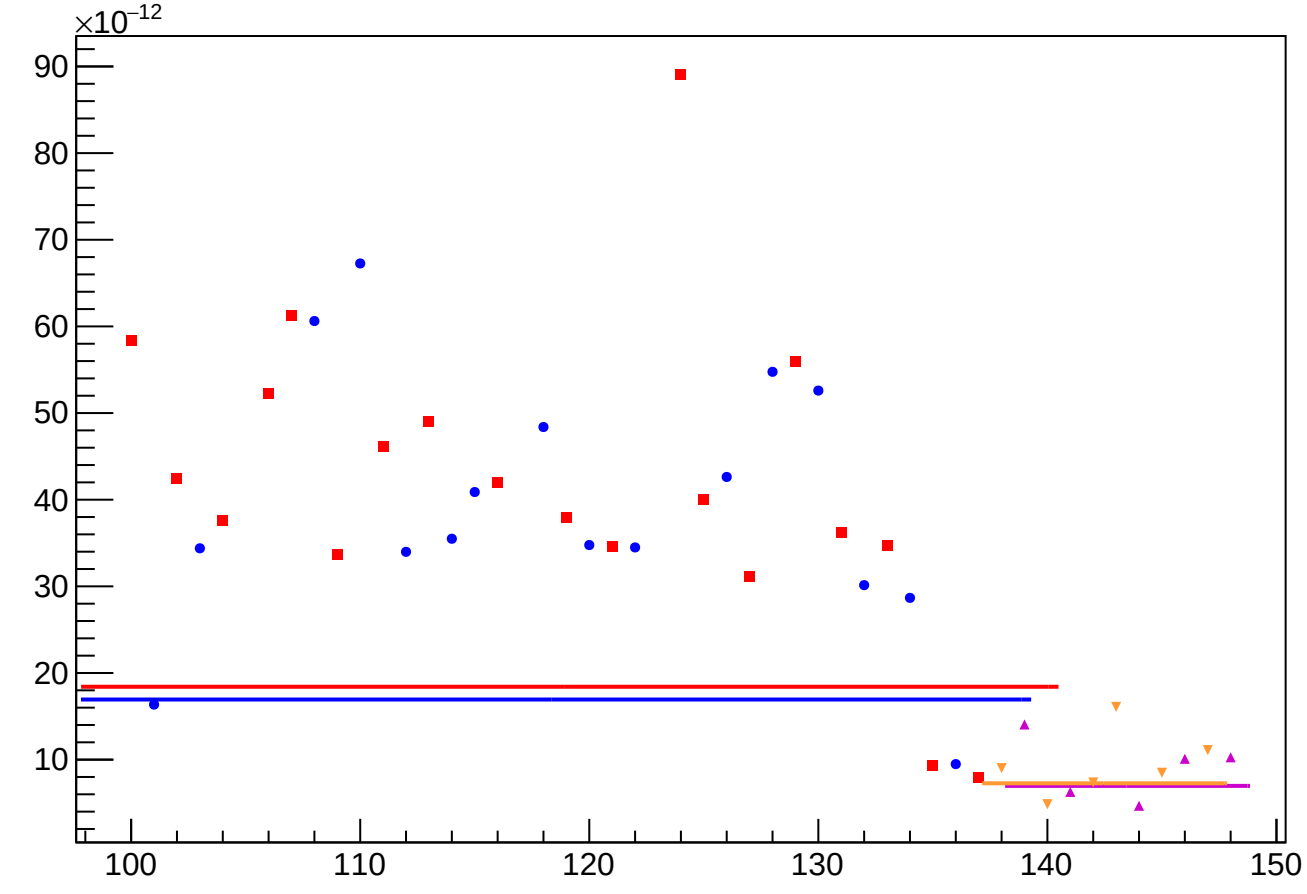
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/21

All: -0.000+/-0.000 χ^2/NDF: 57.5/45

- sign 0.000+/-0.000 χ^2/NDF: 38.5/23



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

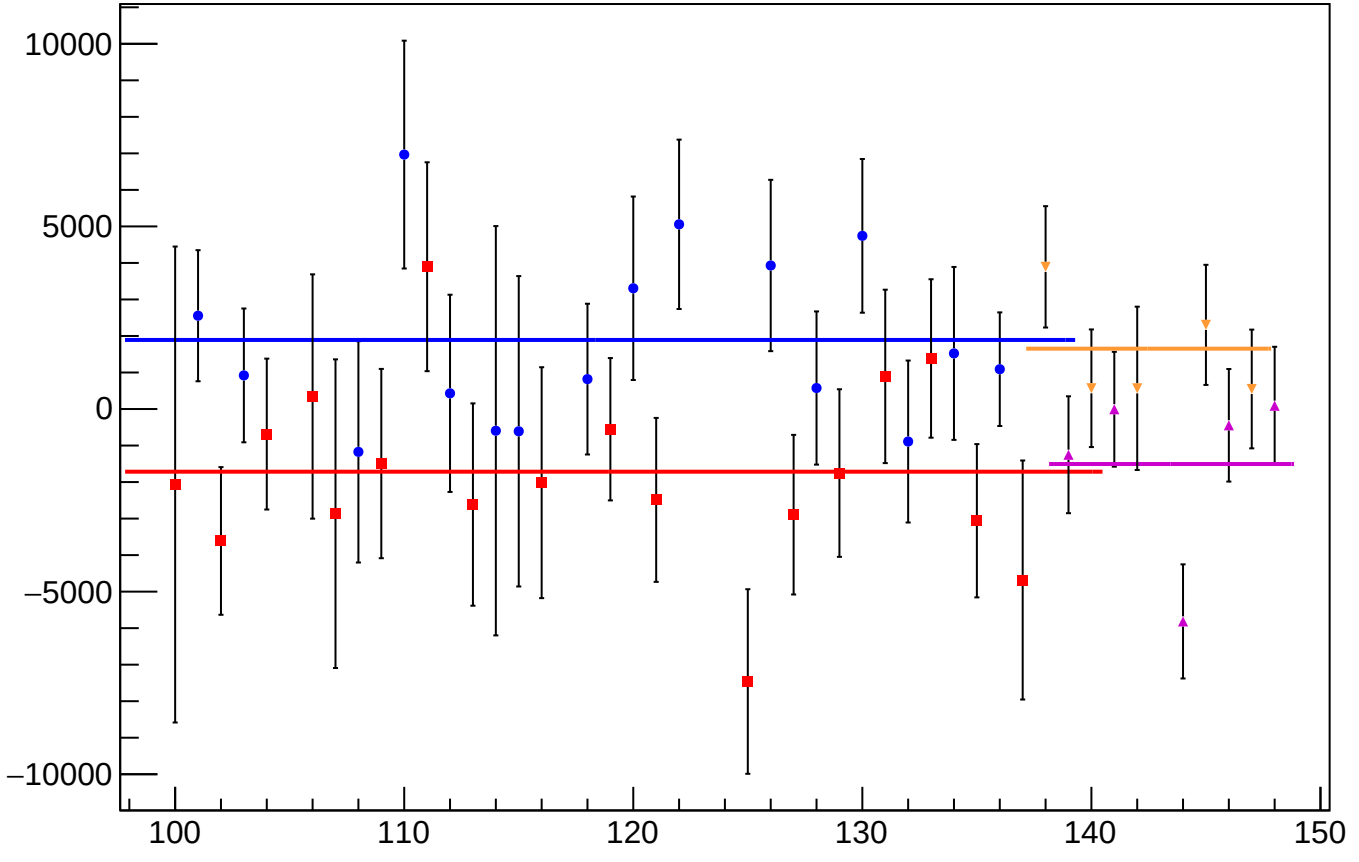
Left In: 0.000+/-0.000 χ^2/NDF:761743.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 5499232.5/21

All: 0.000+/-0.000 χ^2/NDF: 11767089.4/45

- sign 0.000+/-0.000 χ^2/NDF: 6262044.4/23

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

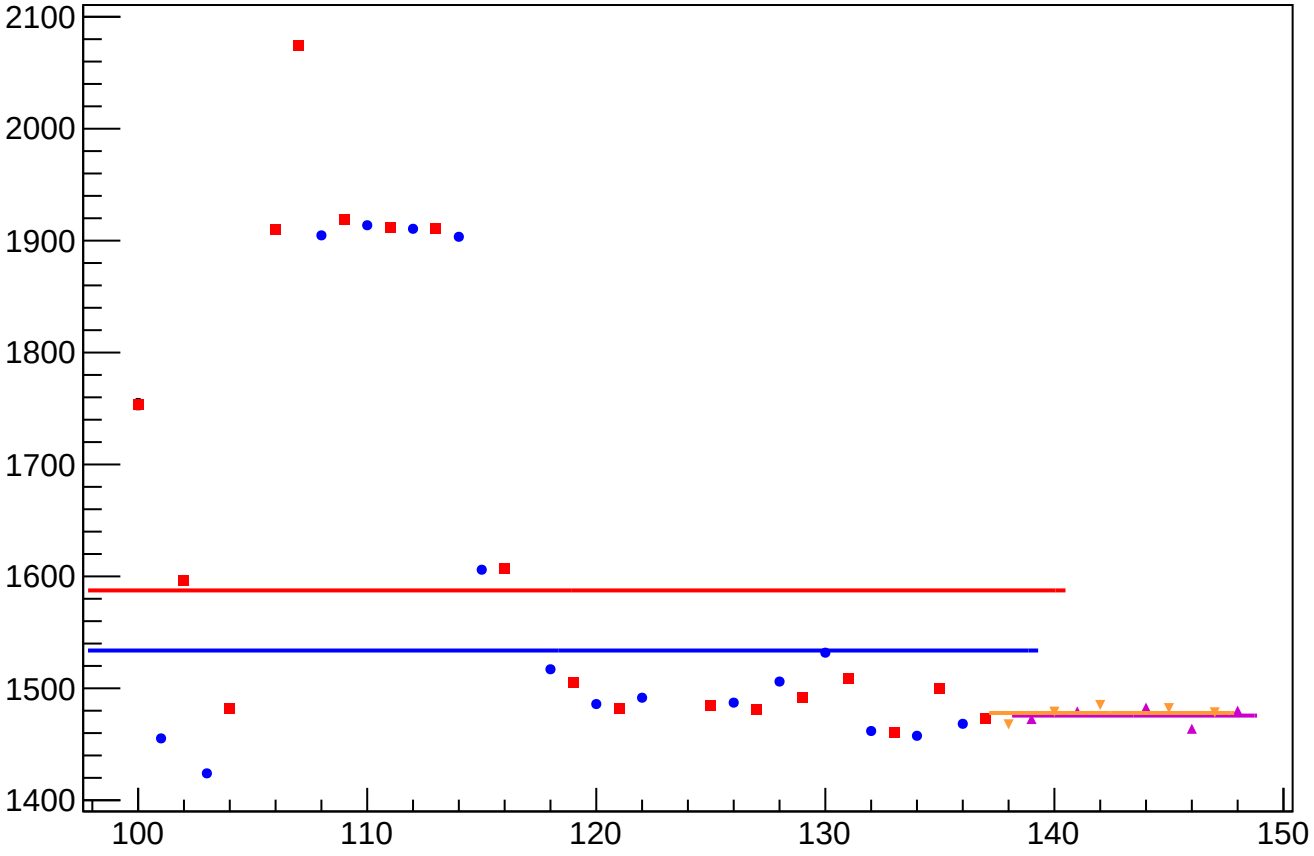
Left In: -1505.886+/-705.477 χ^2/NDF:10.0/4

+ sign 1806.107+/-458.840 χ^2/NDF: 15.4/20

All: 63.877+/-322.137 χ^2/NDF: 69.9/43

- sign -1629.554+/-452.369 χ^2/NDF: 26.0/22

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

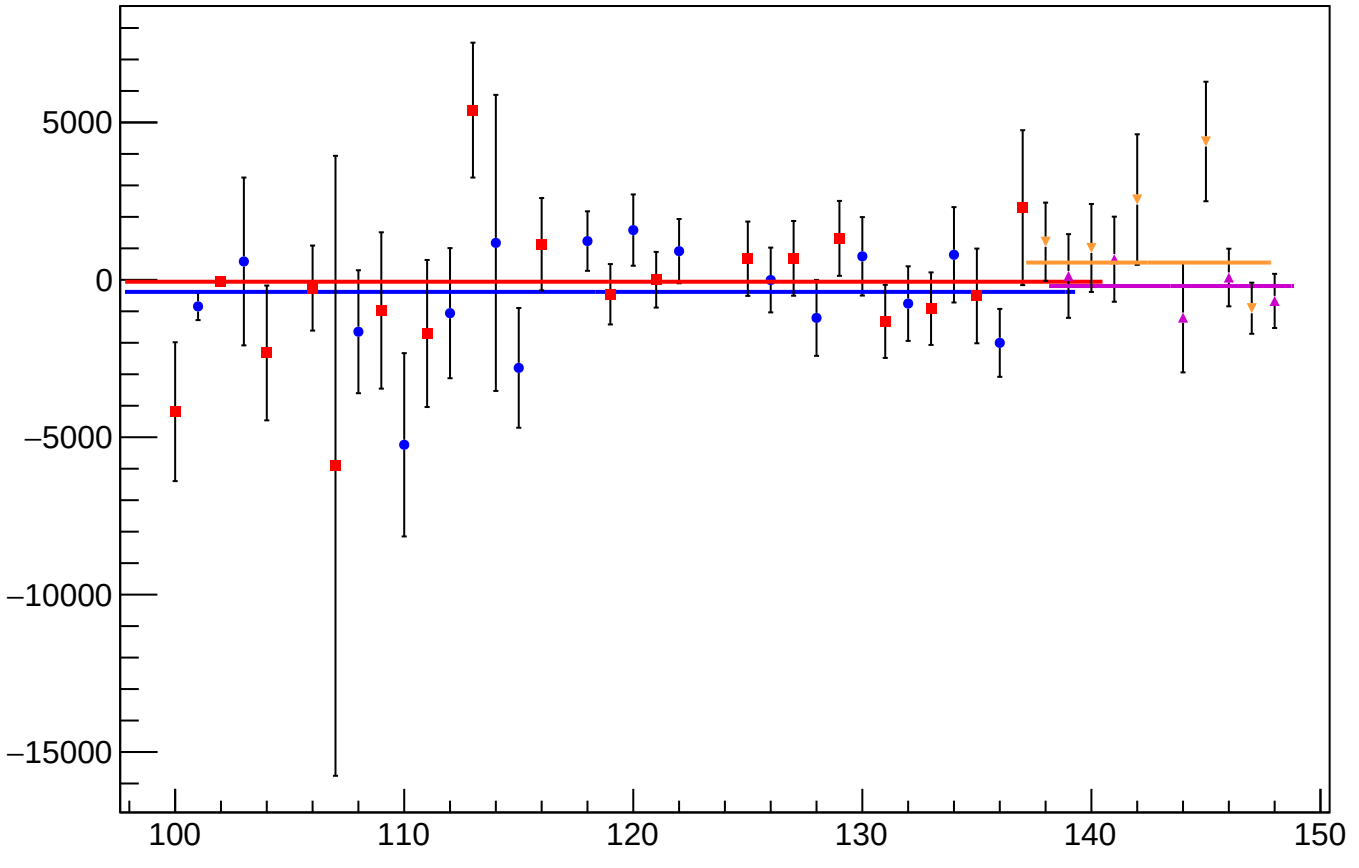
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

+ sign 1513.845+/-0.324 χ^2/NDF: 136173.4/20

All: 1527.859+/-0.228 χ^2/NDF: 341624.7/43

- sign 1541.480+/-0.320 χ^2/NDF: 201772.4/22



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

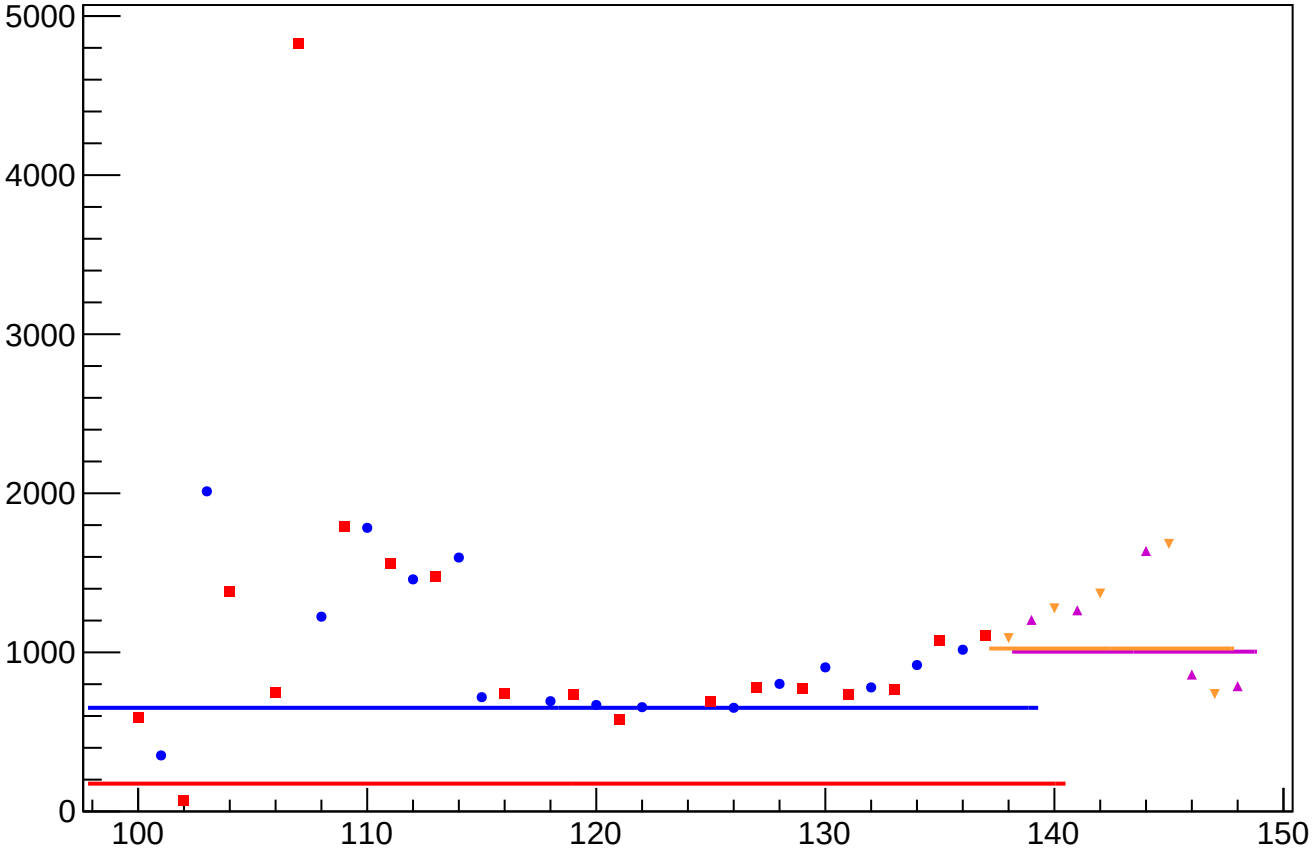
Left In: -196.738+/-500.778 χ^2/NDF:1.2/4

+ sign -204.923+/-244.844 χ^2/NDF: 29.1/20

All: -96.113+/-110.438 χ^2/NDF: 48.3/43

- sign -68.321+/-123.741 χ^2/NDF: 19.0/22

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

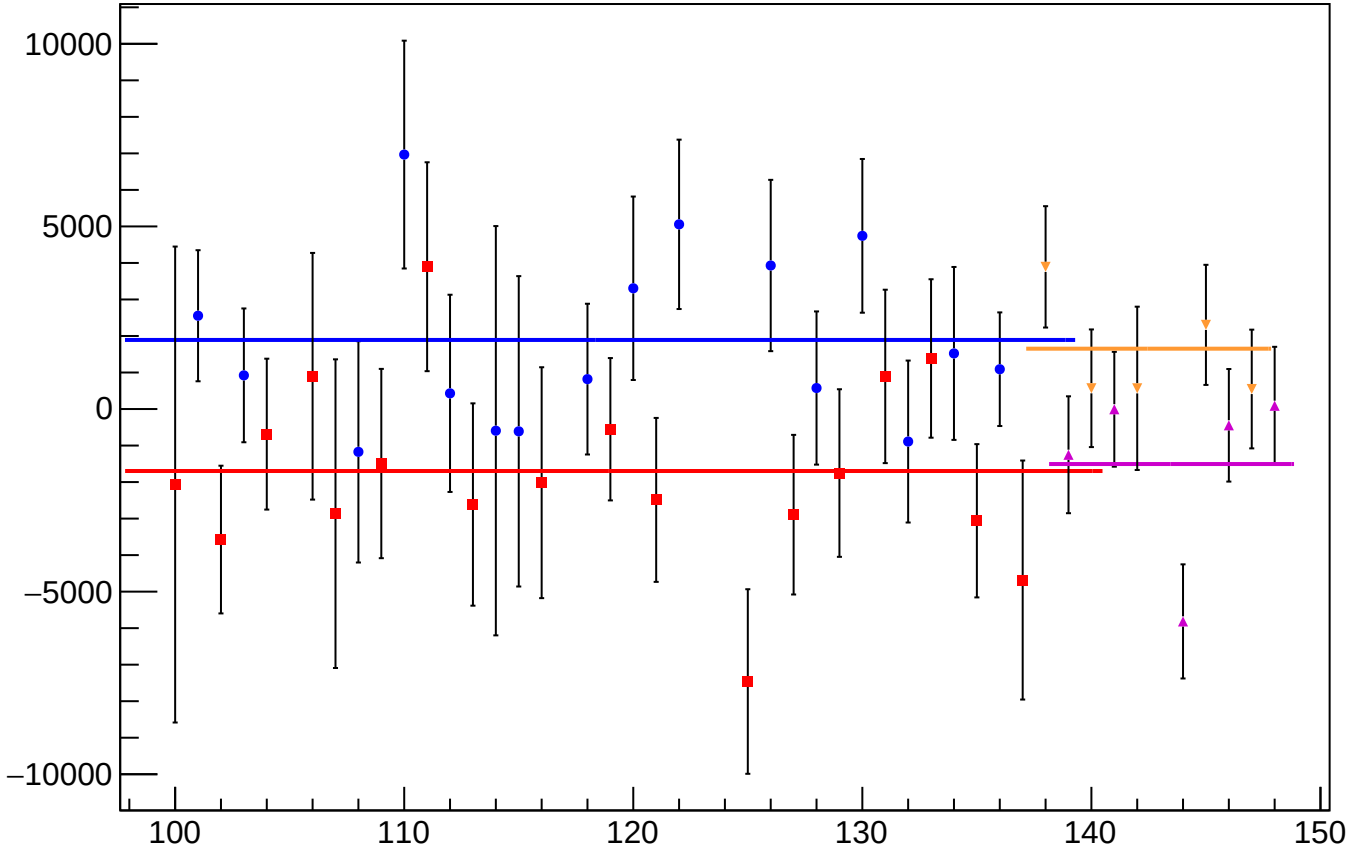
Left In: 1004.451+/-0.354 χ^2/NDF:560372.3/4

+ sign 722.695+/-0.173 χ^2/NDF: 4093327.2/20

All: 326.693+/-0.078 χ^2/NDF: 26136025.9/43

- sign 225.548+/-0.087 χ^2/NDF: 15474684.9/22

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

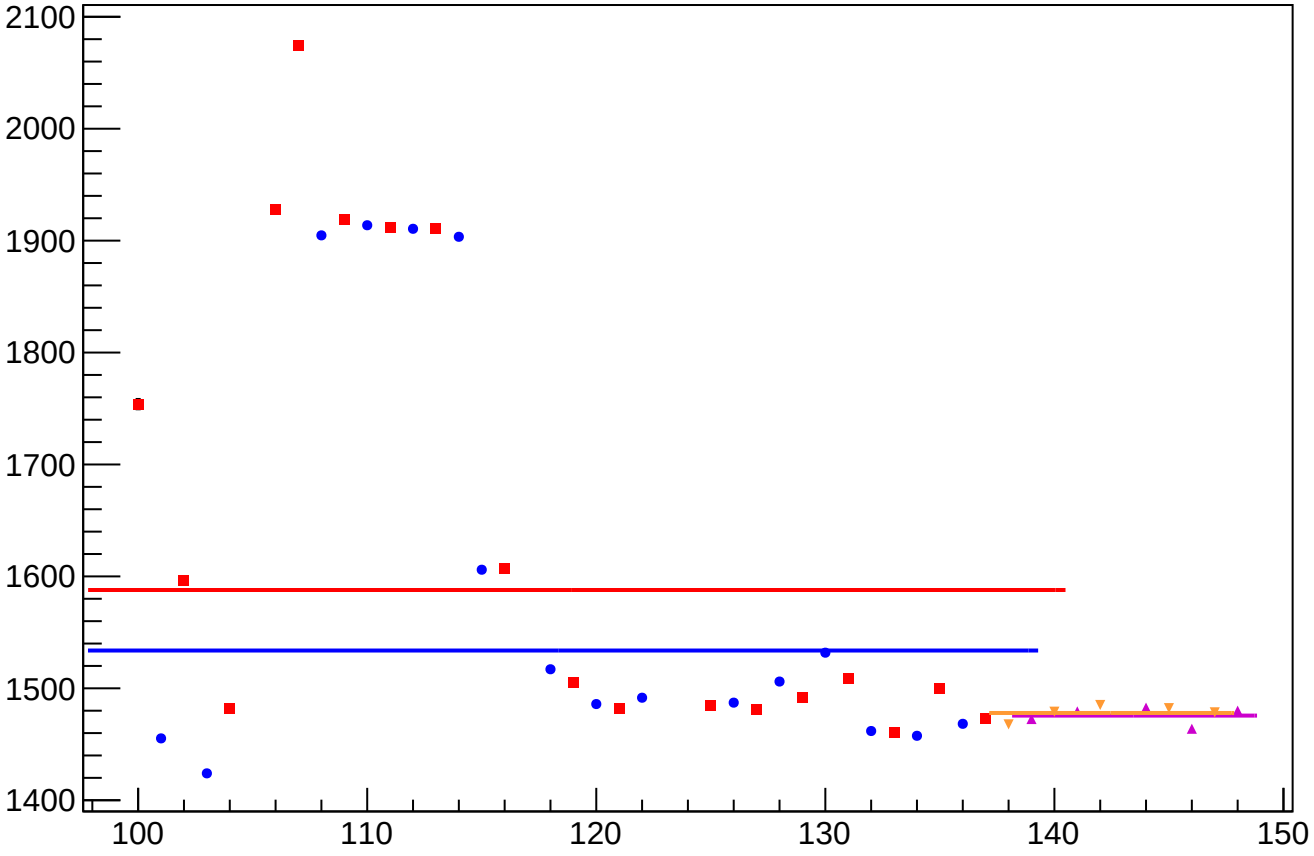
Left In: -1506.046+/-705.477 χ^2/NDF:10.0/4

+ sign 1806.145+/-458.840 χ^2/NDF: 15.4/20

All: 69.837+/-322.166 χ^2/NDF: 69.8/43

- sign -1618.450+/-452.451 χ^2/NDF: 26.2/22

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

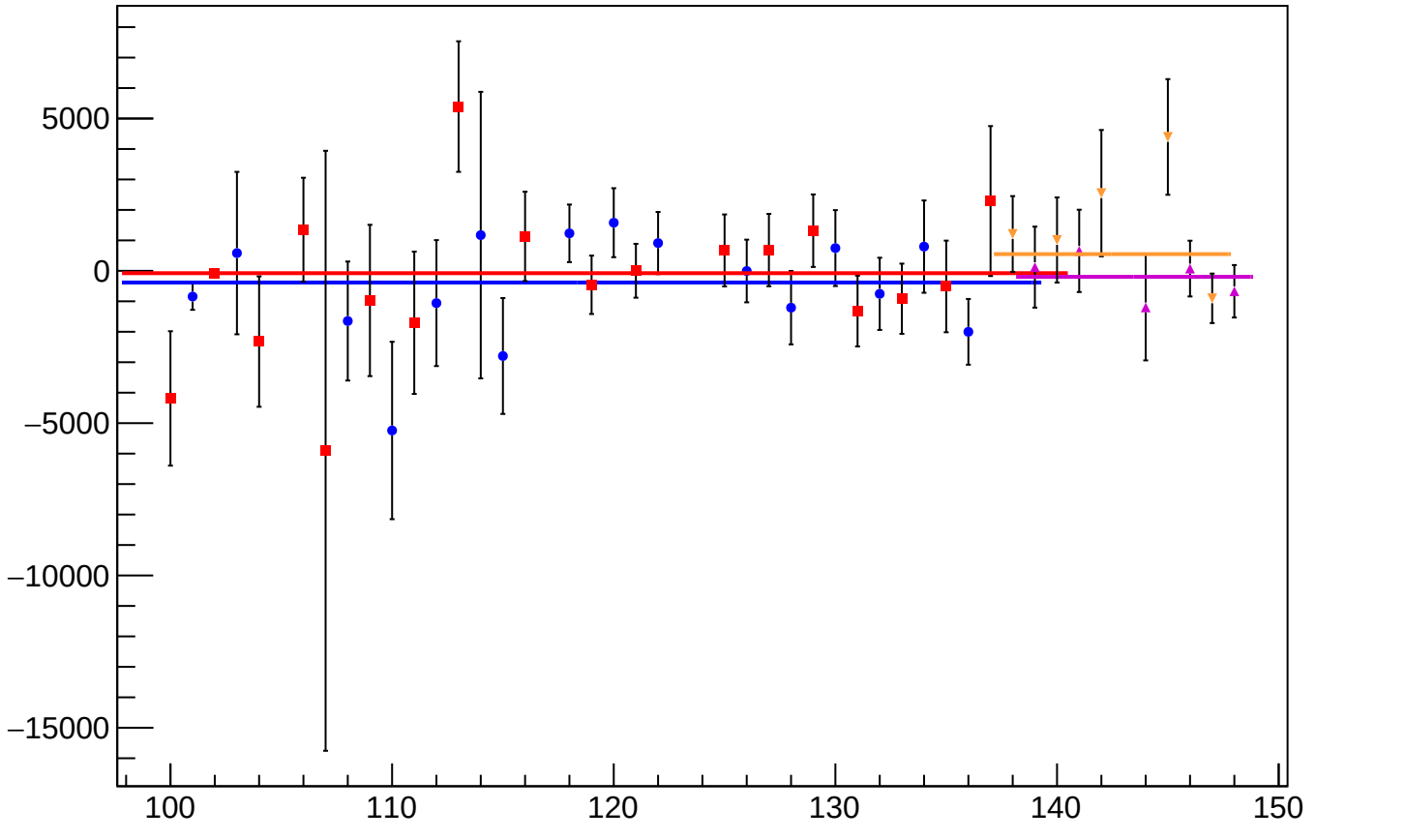
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

+ sign 1513.845+/-0.324 χ^2/NDF: 136173.3/20

All: 1527.963+/-0.228 χ^2/NDF: 343655.2/43

- sign 1541.690+/-0.320 χ^2/NDF: 203747.5/22



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

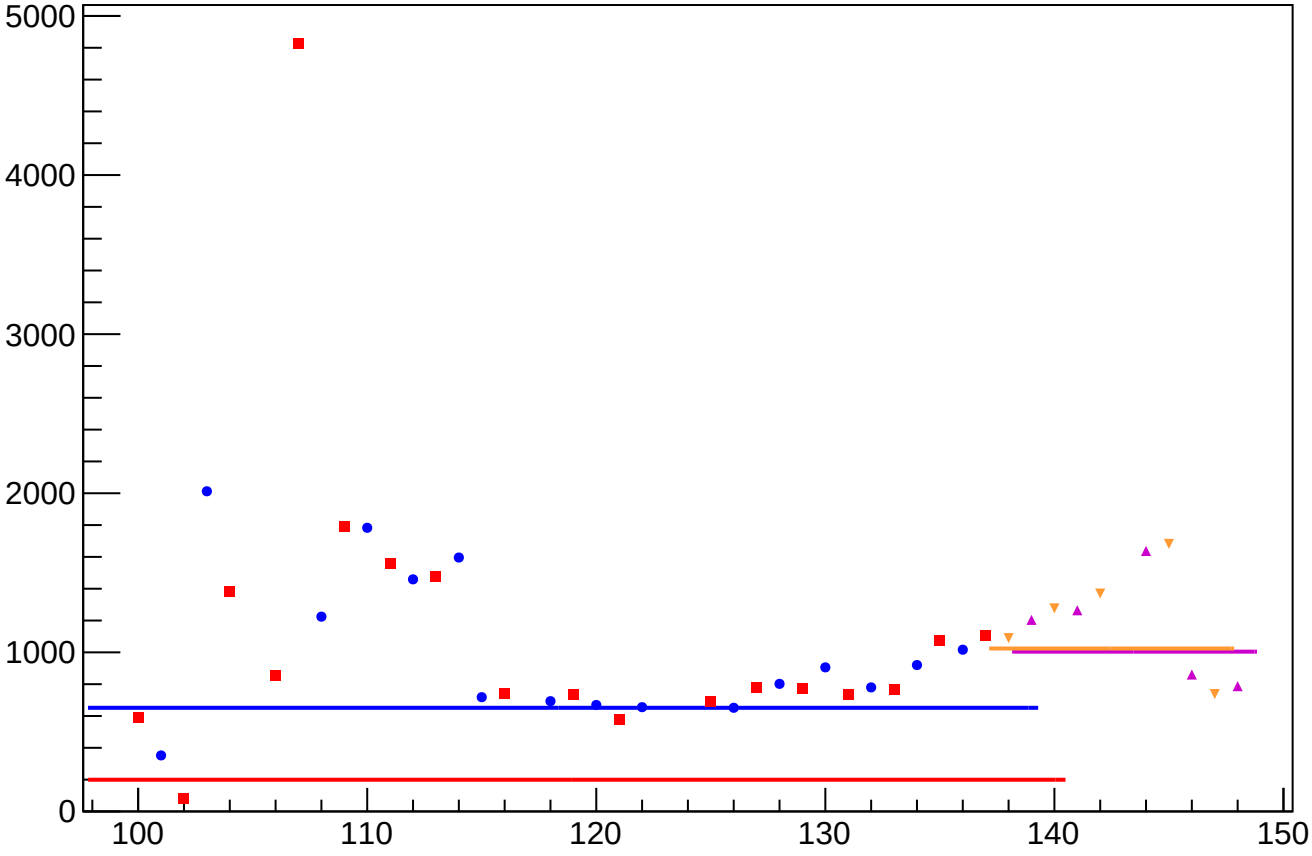
Left In: -196.861+/-500.773 χ^2/NDF:1.2/4

+ sign -204.925+/-244.844 χ^2/NDF: 29.1/20

All: -112.566+/-116.982 χ^2/NDF: 49.0/43

- sign -85.247+/-133.164 χ^2/NDF: 19.7/22

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

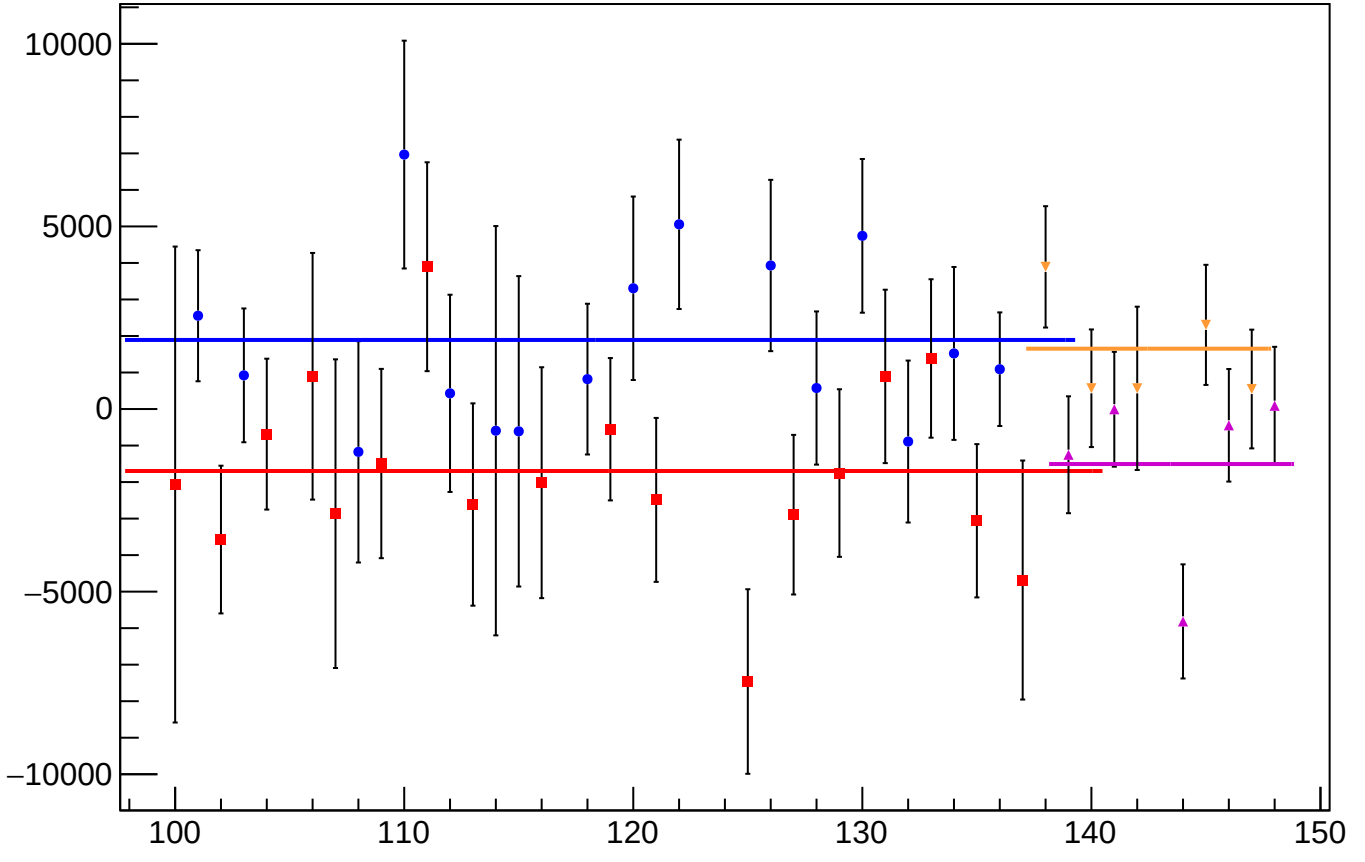
Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

+ sign 722.696+/-0.173 χ^2/NDF: 4093368.8/20

All: 362.745+/-0.083 χ^2/NDF: 24343546.4/43

- sign 256.273+/-0.094 χ^2/NDF: 14649091.6/22

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

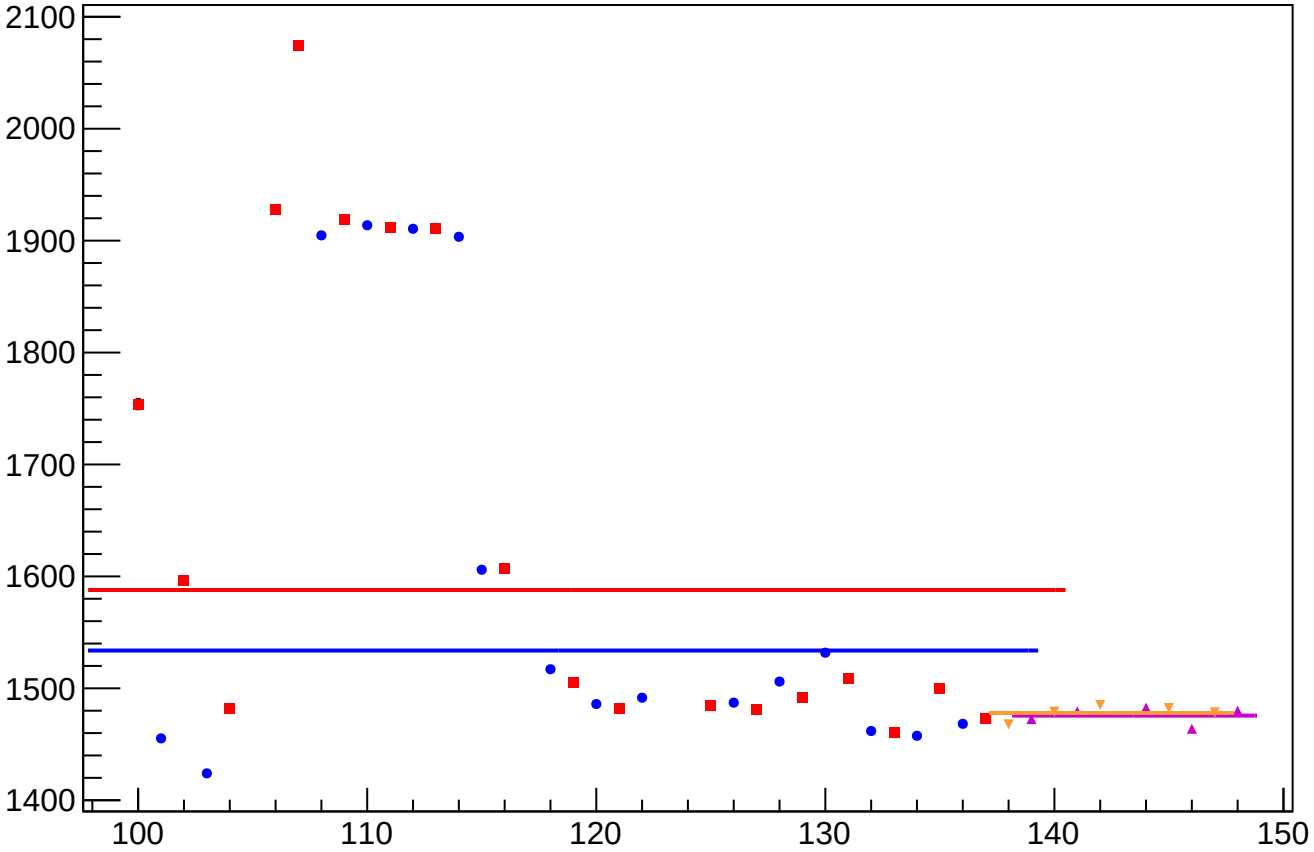
Left In: -1506.046+/-705.477 χ^2/NDF:10.0/4

+ sign 1806.145+/-458.840 χ^2/NDF: 15.4/20

All: 69.837+/-322.166 χ^2/NDF: 69.8/43

- sign -1618.450+/-452.451 χ^2/NDF: 26.2/22

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

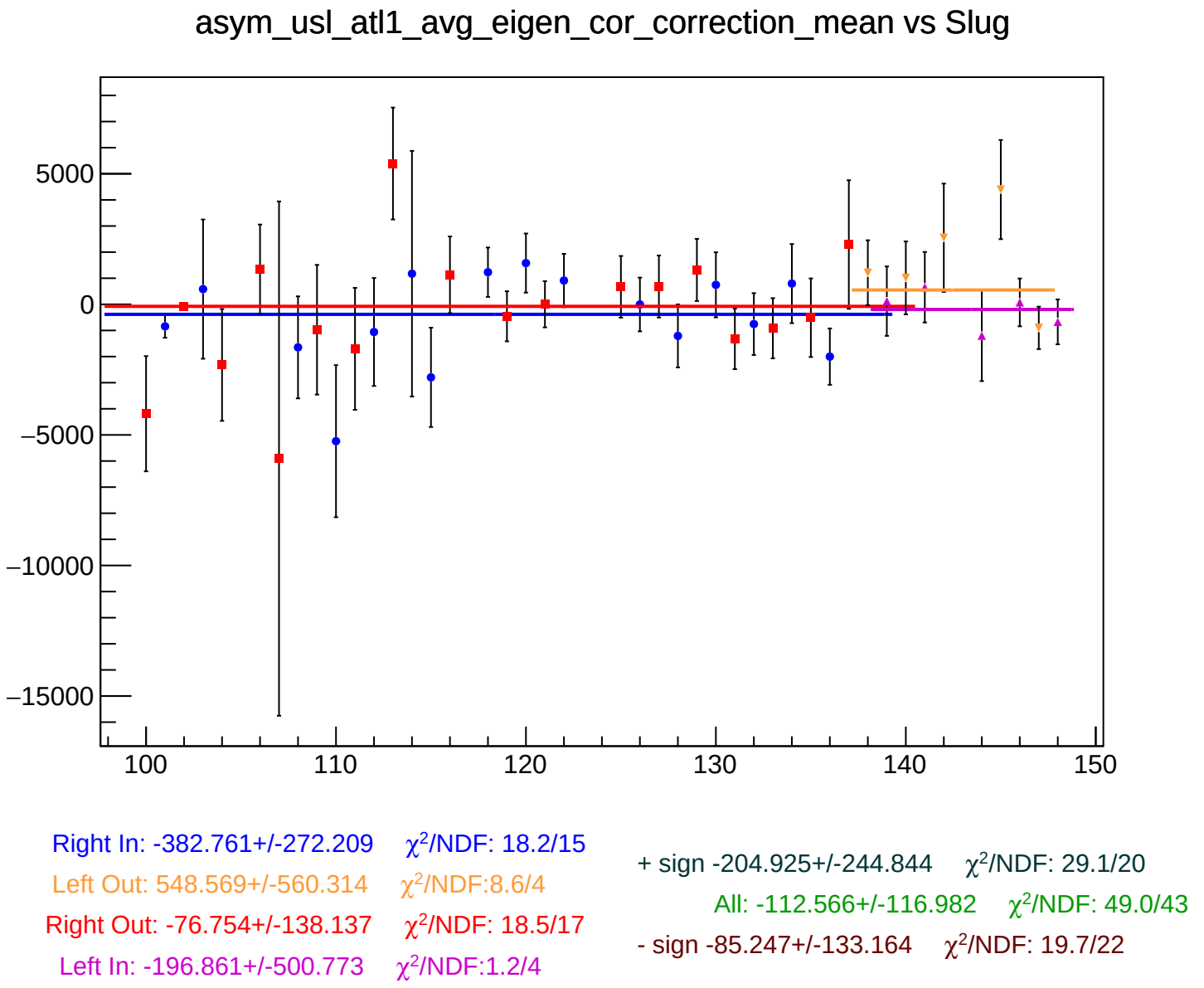
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

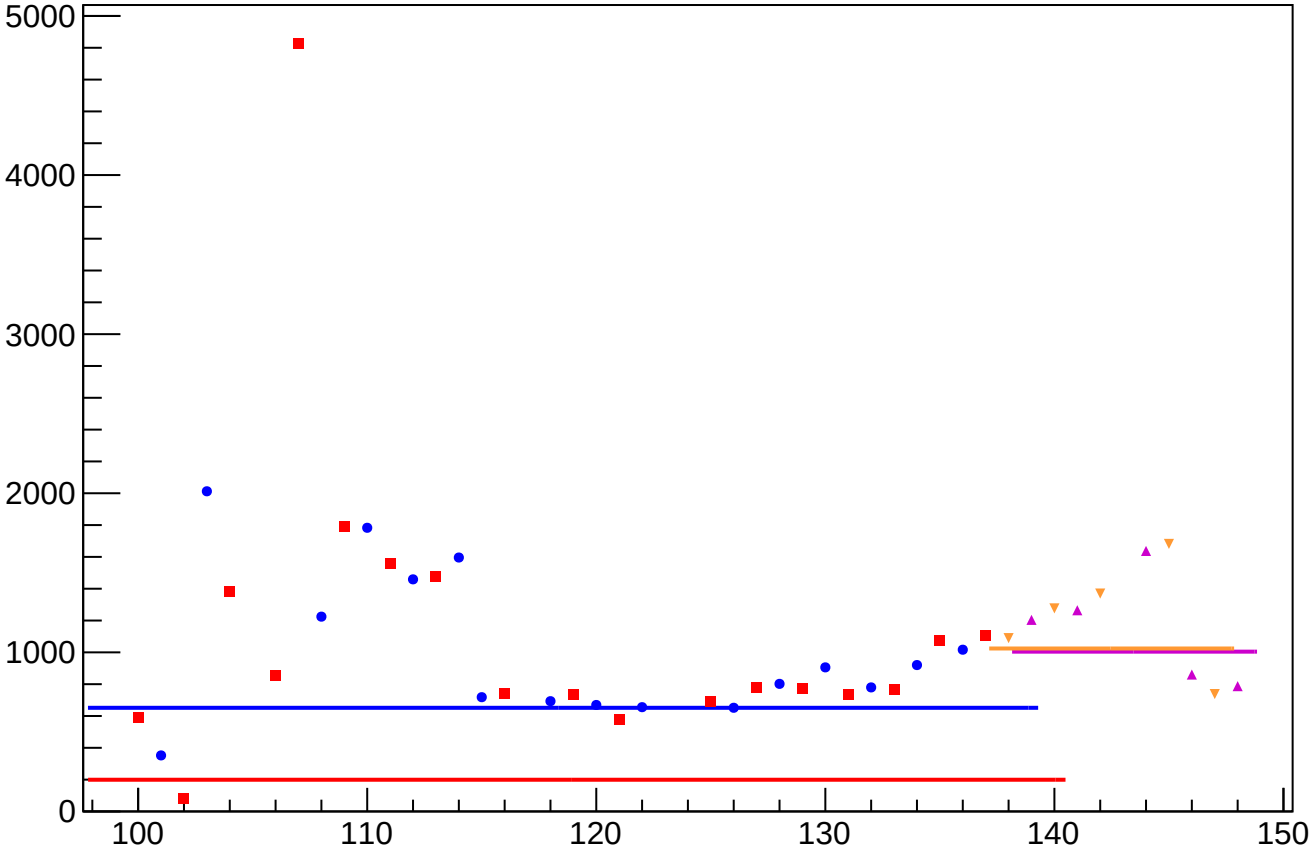
+ sign 1513.845+/-0.324 χ^2/NDF: 136173.3/20

All: 1527.963+/-0.228 χ^2/NDF: 343655.2/43

- sign 1541.690+/-0.320 χ^2/NDF: 203747.5/22


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: 548.569+/-560.314 χ²/NDF:8.6/4
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -196.861+/-500.773 χ²/NDF:1.2/4
+ sign -204.925+/-244.844 χ²/NDF: 29.1/20
All: -112.566+/-116.982 χ²/NDF: 49.0/43
- sign -85.247+/-133.164 χ²/NDF: 19.7/22

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

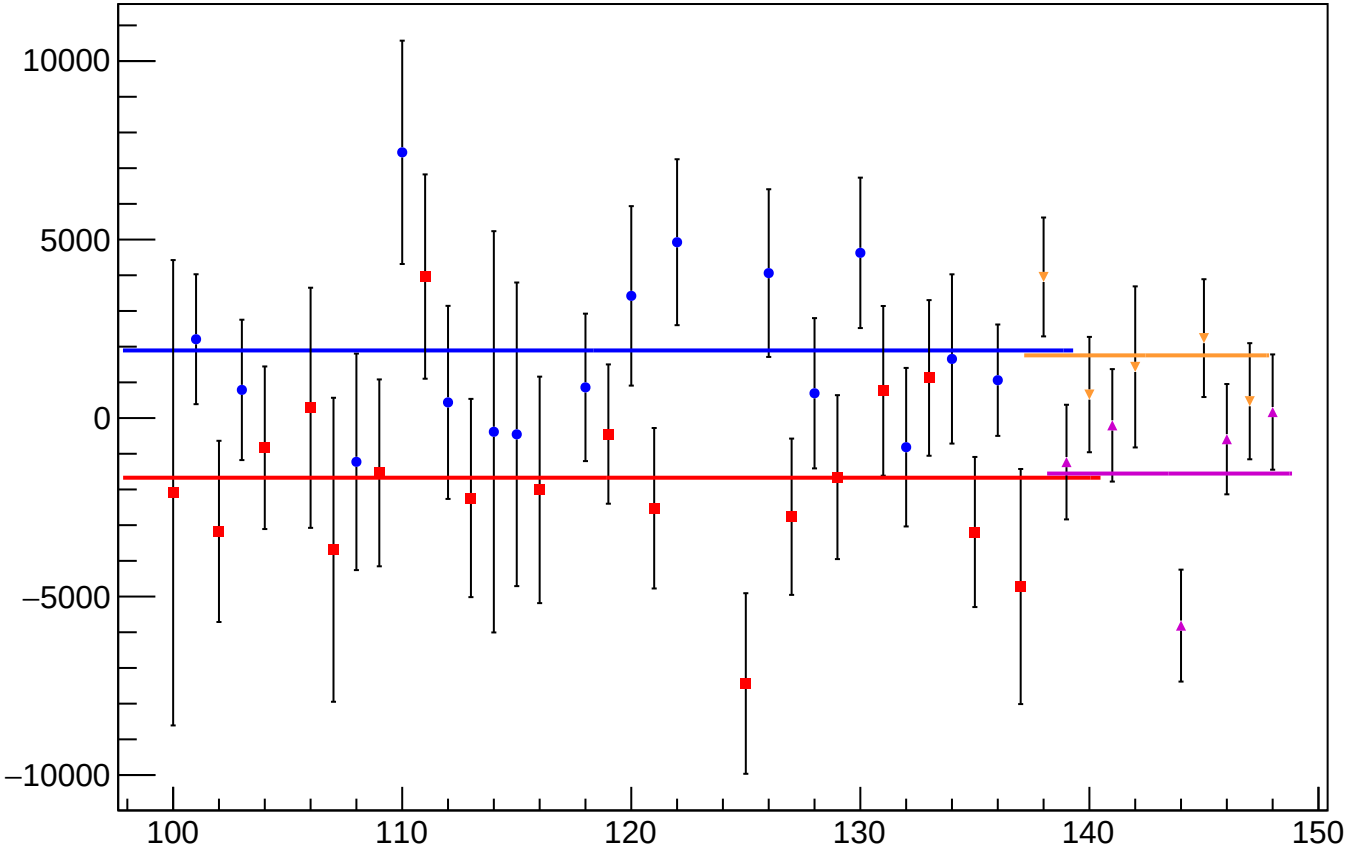
Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

+ sign 722.696+/-0.173 χ^2/NDF: 4093368.8/20

All: 362.745+/-0.083 χ^2/NDF: 24343546.4/43

- sign 256.273+/-0.094 χ^2/NDF: 14649091.6/22

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

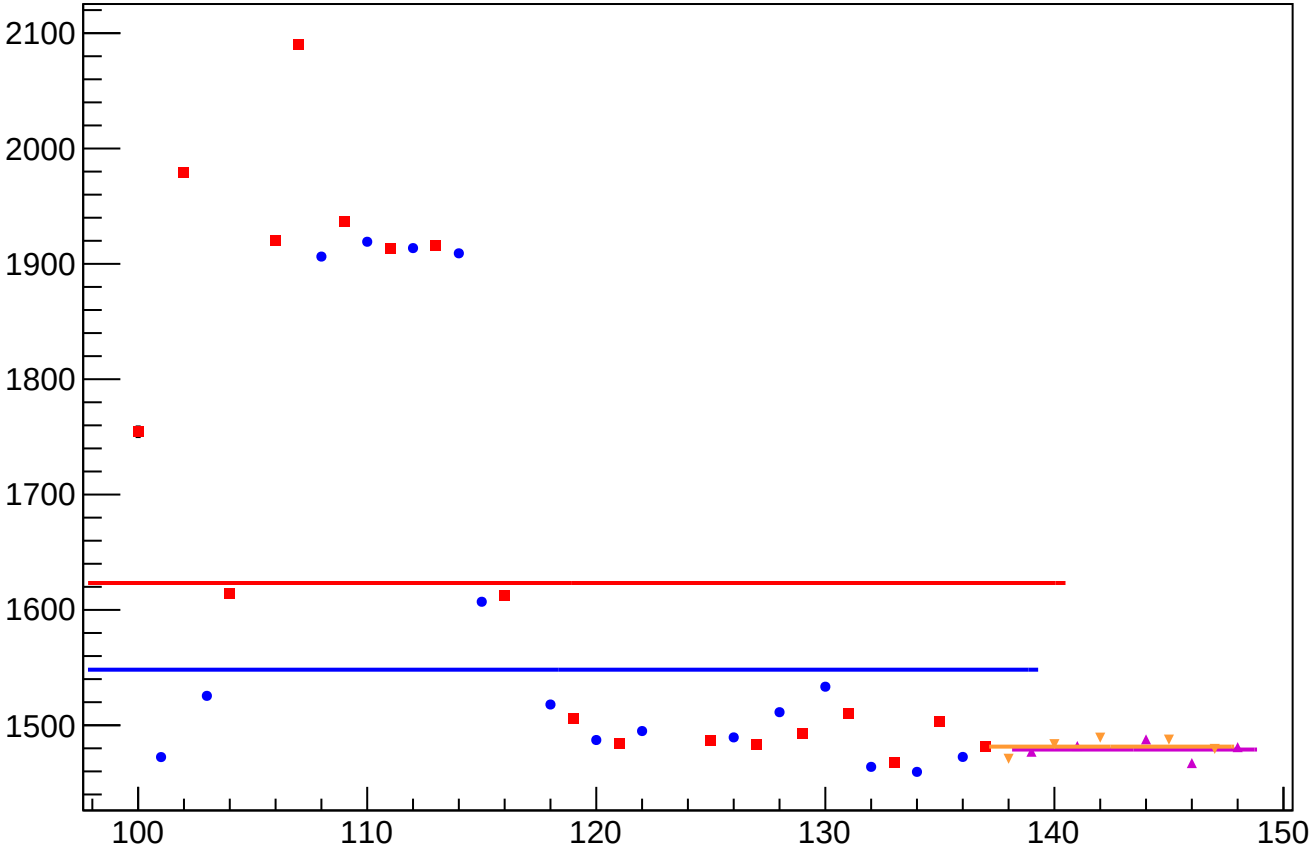
Left In: -1554.425+/-707.086 χ^2/NDF:9.7/4

+ sign 1844.508+/-462.124 χ^2/NDF: 15.2/20

All: 101.999+/-325.884 χ^2/NDF: 68.3/43

- sign -1621.705+/-459.624 χ^2/NDF: 24.7/22

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

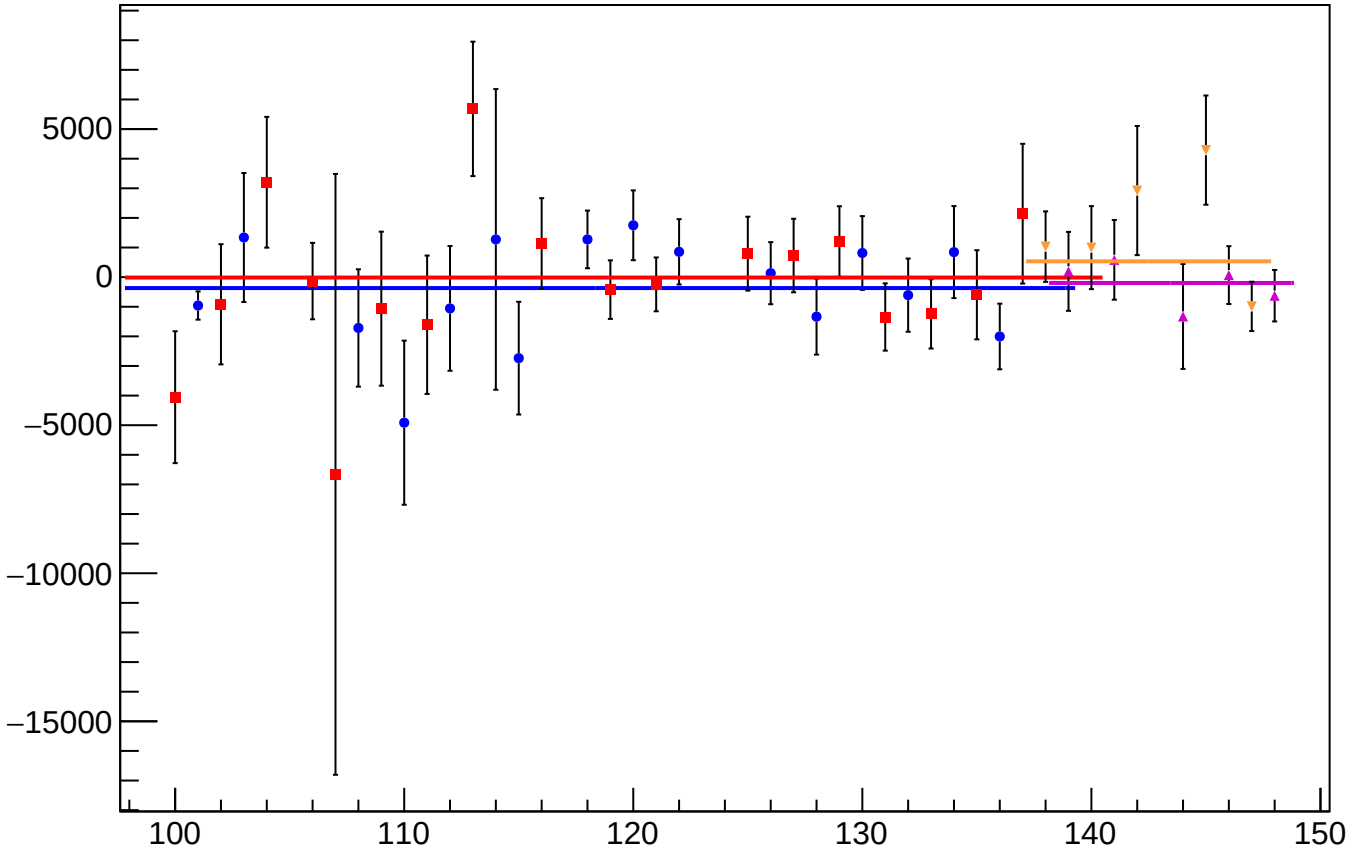
Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

+ sign 1524.168+/-0.327 χ^2/NDF: 129639.6/20

All: 1543.348+/-0.230 χ^2/NDF: 396378.0/43

- sign 1562.322+/-0.325 χ^2/NDF: 259884.9/22

asym_usl_atl1_avg_dit_correction_mean vs Slug



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

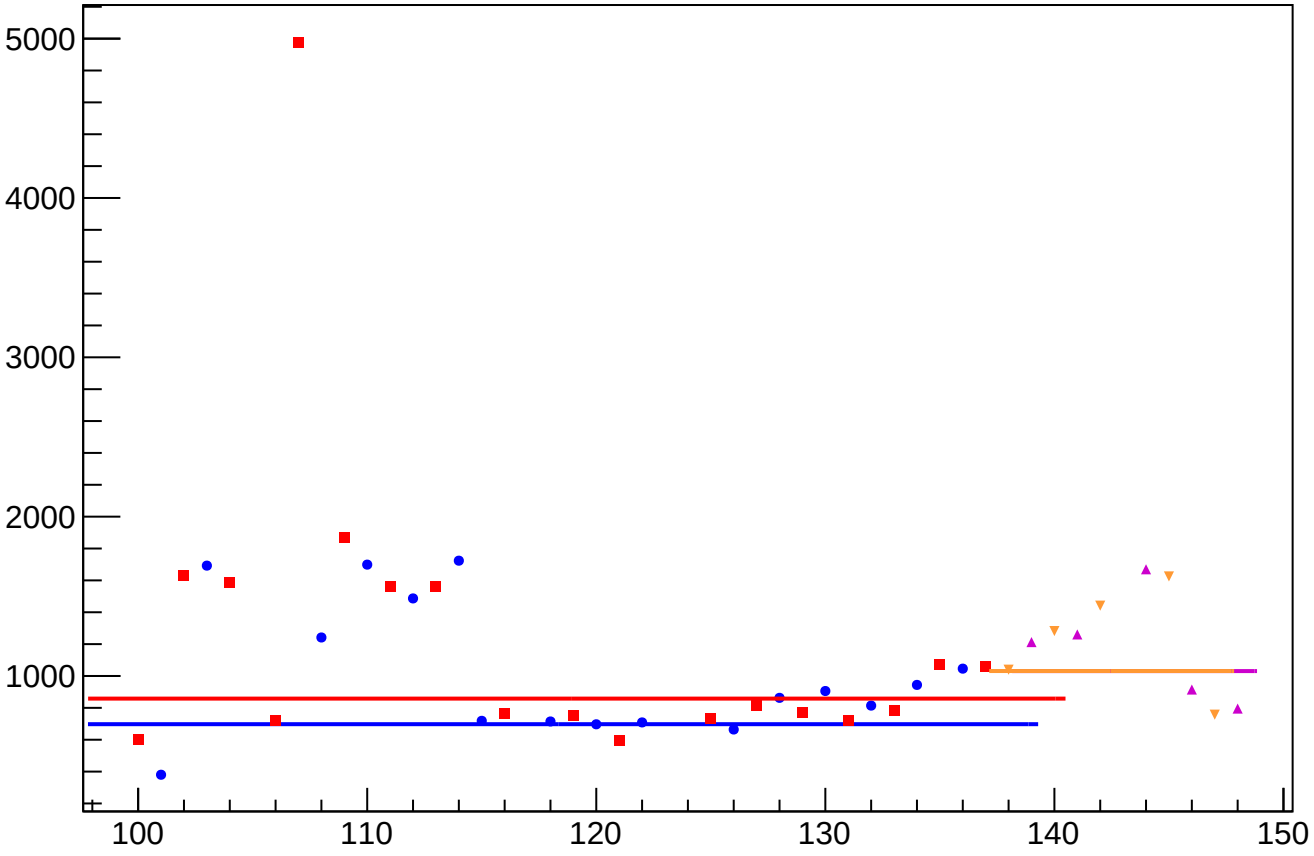
Left In: -196.934+/-512.422 χ^2/NDF:1.2/4

+ sign -182.772+/-255.353 χ^2/NDF: 29.9/20

All: -132.441+/-189.949 χ^2/NDF: 50.3/43

- sign -70.090+/-284.214 χ^2/NDF: 20.3/22

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

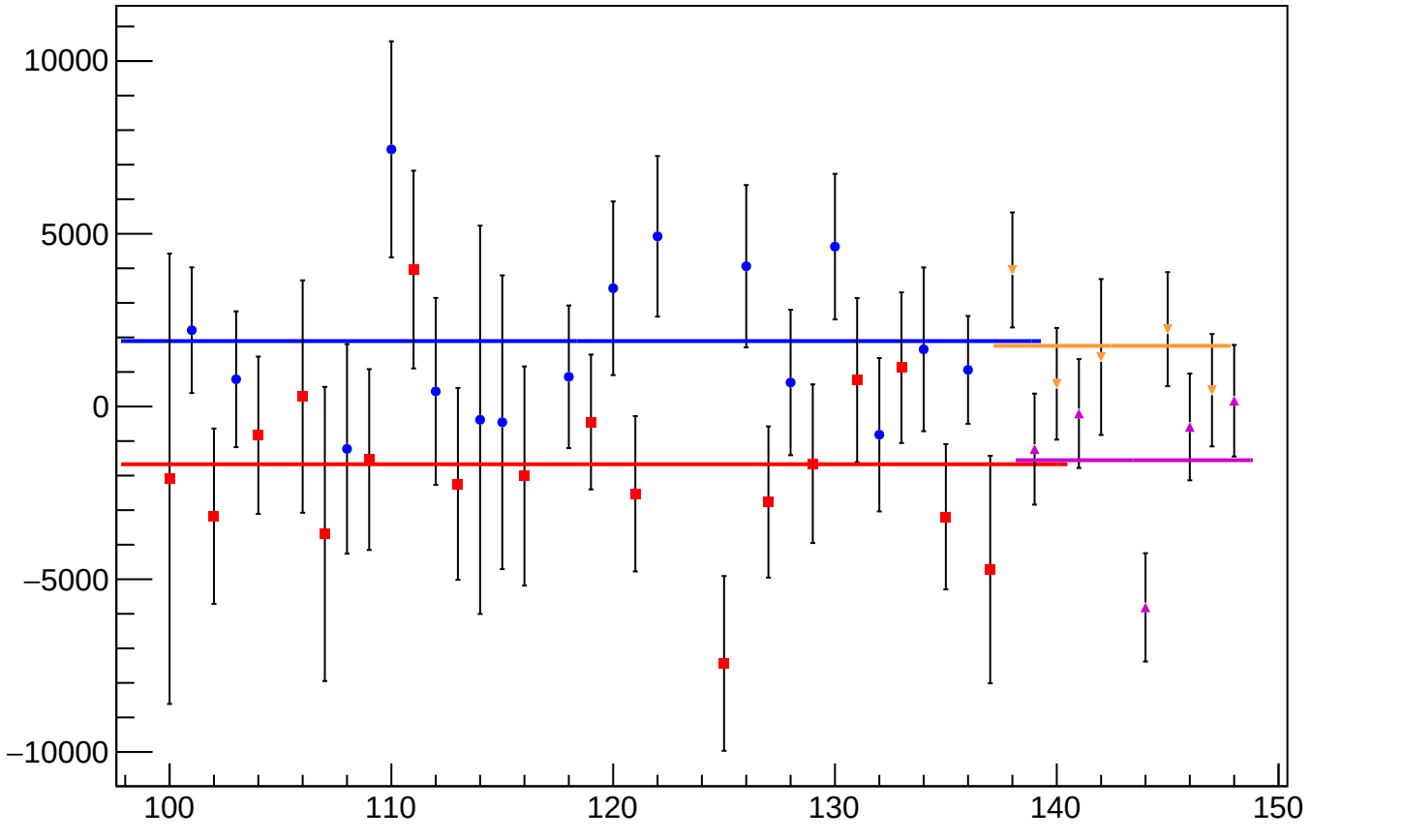
Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1030.776+/-0.362 χ^2/NDF:530806.2/4

+ sign 766.248+/-0.181 χ^2/NDF: 3552312.1/20

All: 831.001+/-0.134 χ^2/NDF: 6410463.8/43

- sign 911.218+/-0.201 χ^2/NDF: 2570223.5/22



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

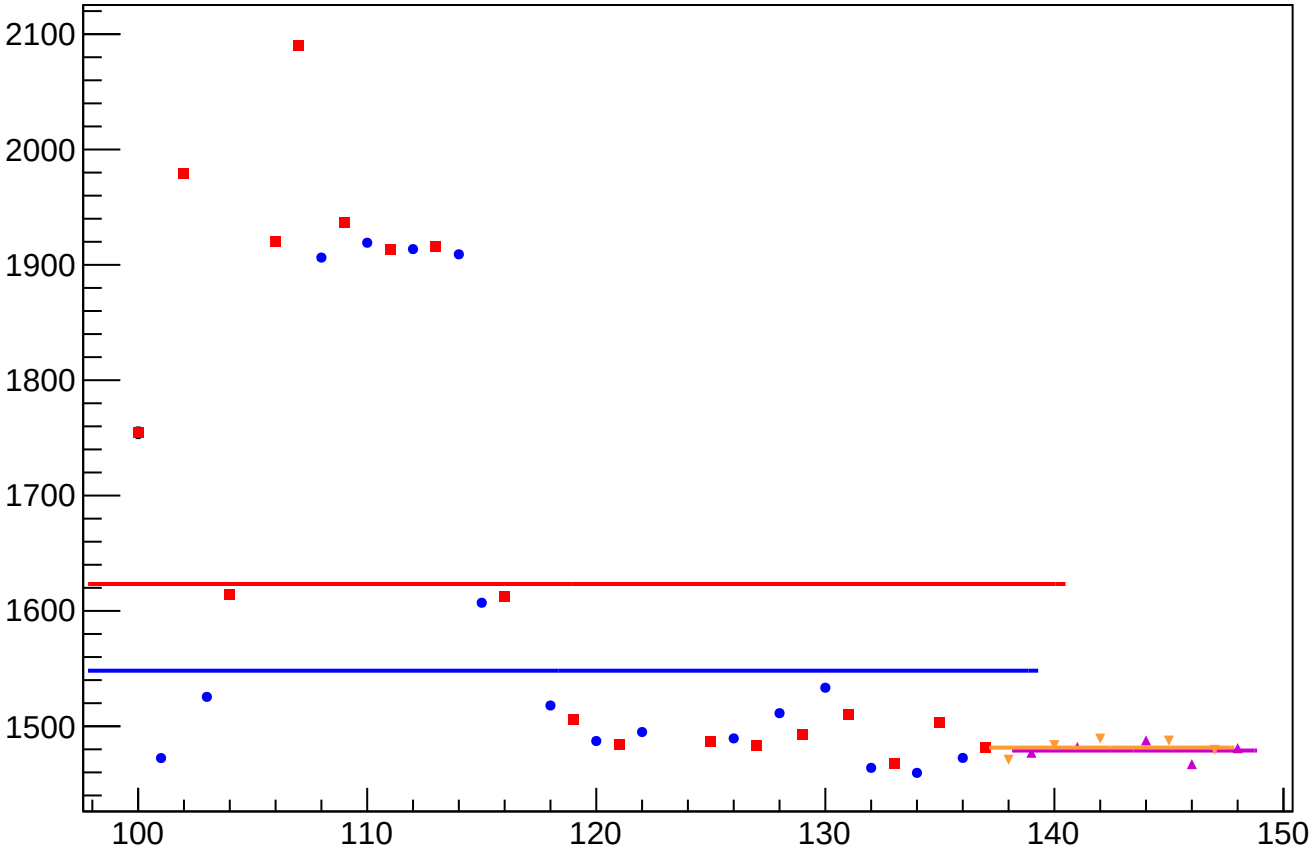
Left In: -1554.425+/-707.086 χ^2/NDF:9.7/4

+ sign 1844.507+/-462.124 χ^2/NDF: 15.2/20

All: 101.999+/-325.884 χ^2/NDF: 68.3/43

- sign -1621.703+/-459.624 χ^2/NDF: 24.7/22

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

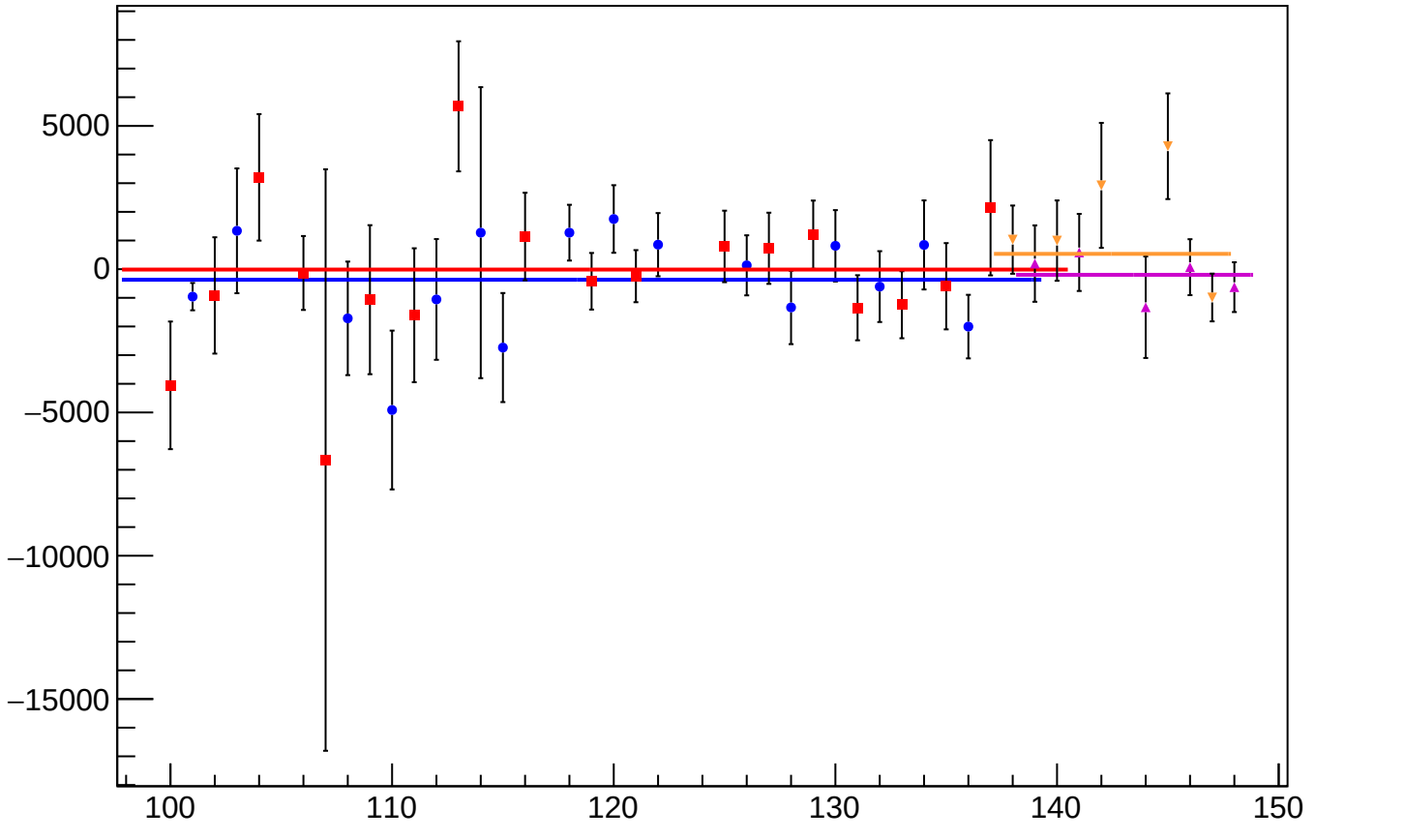
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

+ sign 1524.168+/-0.327 χ^2/NDF: 129639.6/20

All: 1543.348+/-0.230 χ^2/NDF: 396377.7/43

- sign 1562.322+/-0.325 χ^2/NDF: 259884.6/22



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

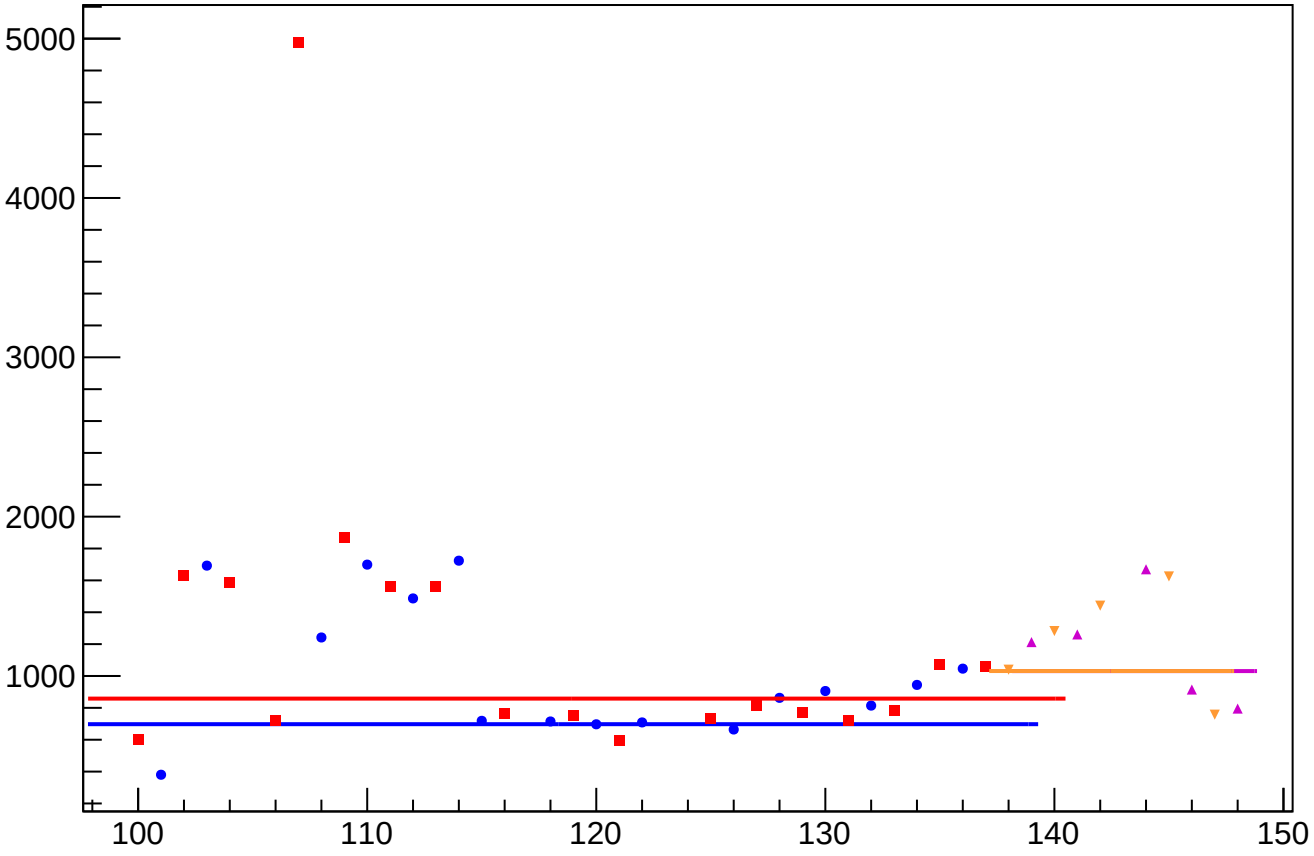
Left In: -196.934+/-512.423 χ^2/NDF:1.2/4

\+ sign -182.772+/-255.353 χ^2/NDF: 29.9/20

All: -132.441+/-189.949 χ^2/NDF: 50.3/43

\- sign -70.090+/-284.214 χ^2/NDF: 20.3/22

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

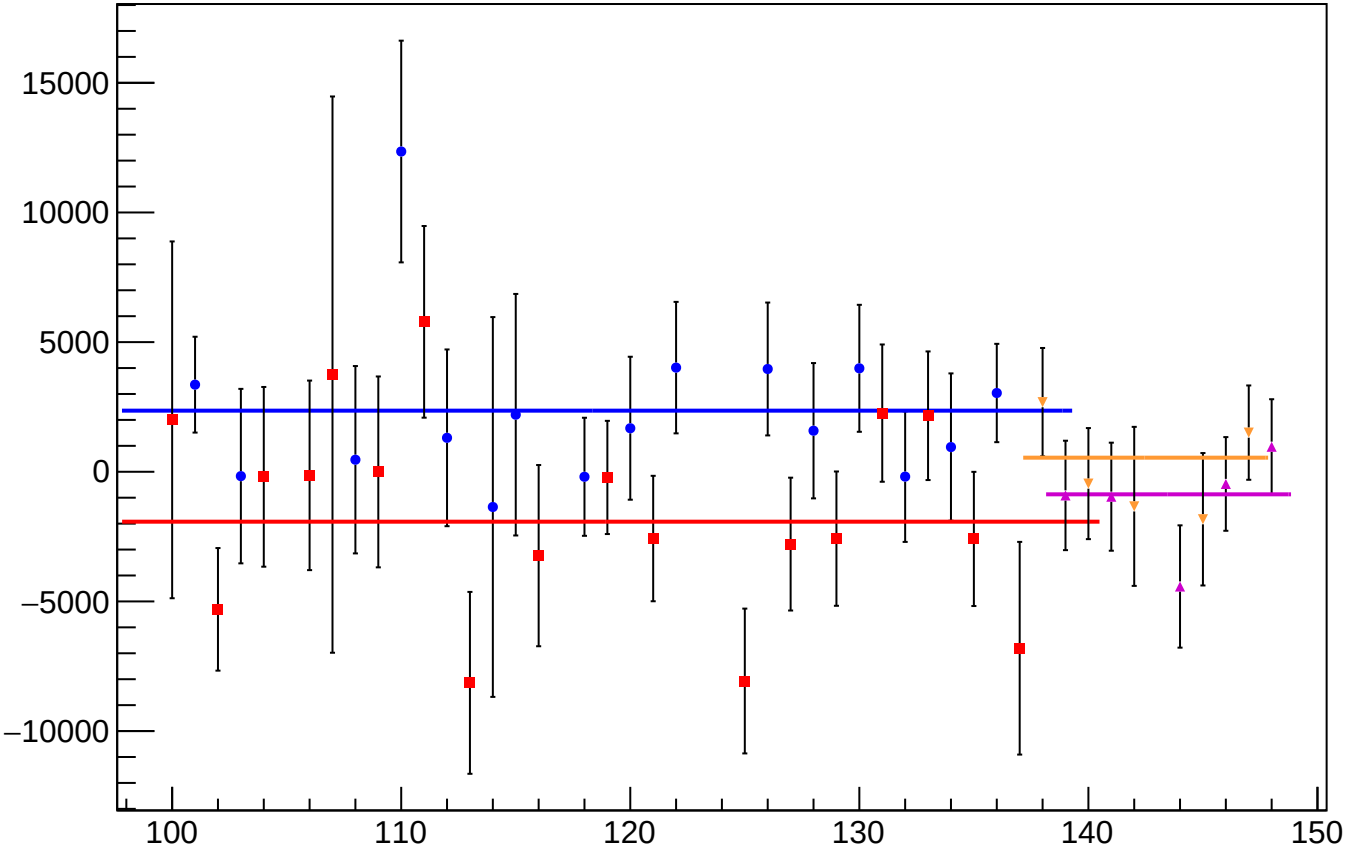
Left In: 1030.778+/-0.362 χ^2/NDF:530805.0/4

+ sign 766.248+/-0.181 χ^2/NDF: 3552308.4/20

All: 831.001+/-0.134 χ^2/NDF: 6410470.8/43

- sign 911.217+/-0.201 χ^2/NDF: 2570237.9/22

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

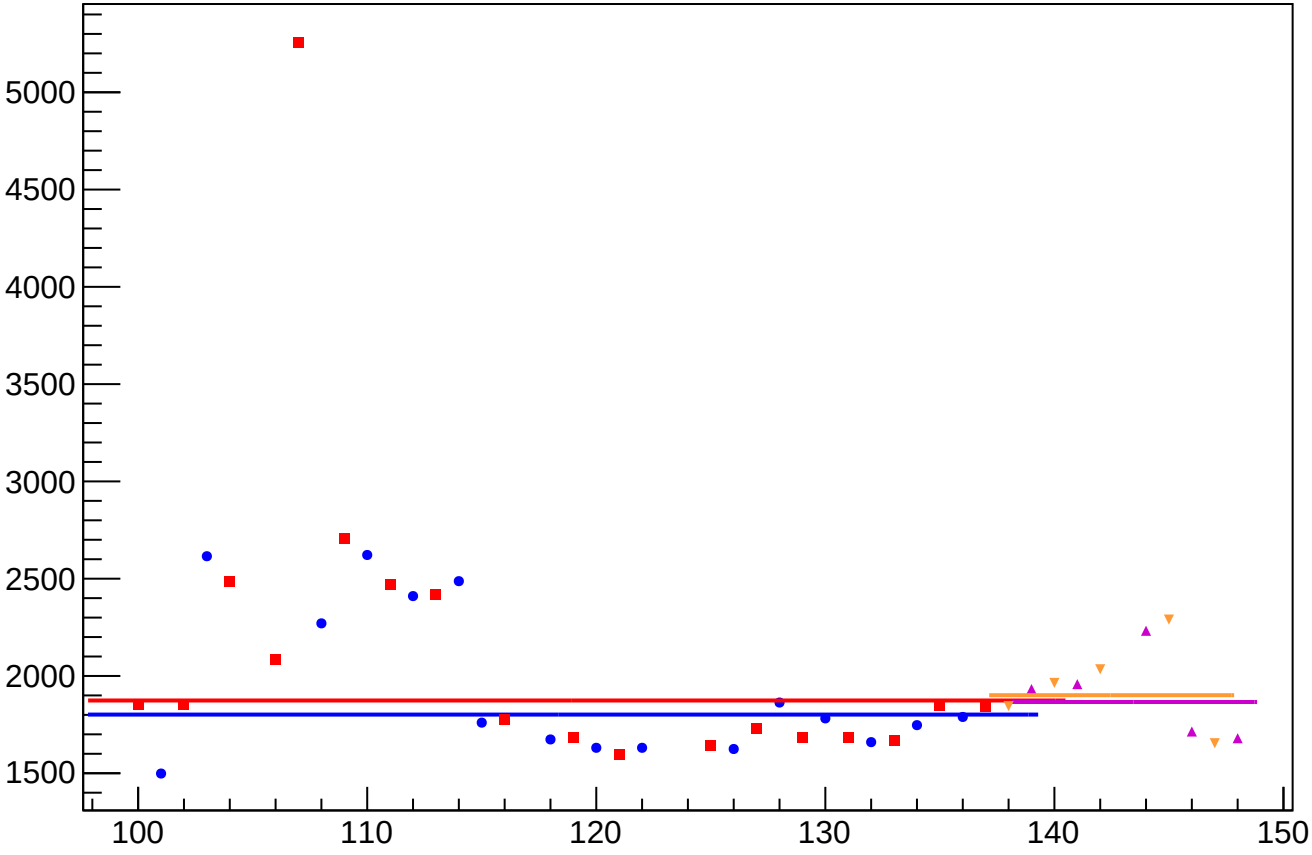
Left In: -869.834+/-898.323 χ^2/NDF:3.3/4

+ sign 1781.382+/-560.930 χ^2/NDF: 16.1/20

All: 113.853+/-394.697 χ^2/NDF: 61.2/43

- sign -1521.437+/-555.481 χ^2/NDF: 27.6/22

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

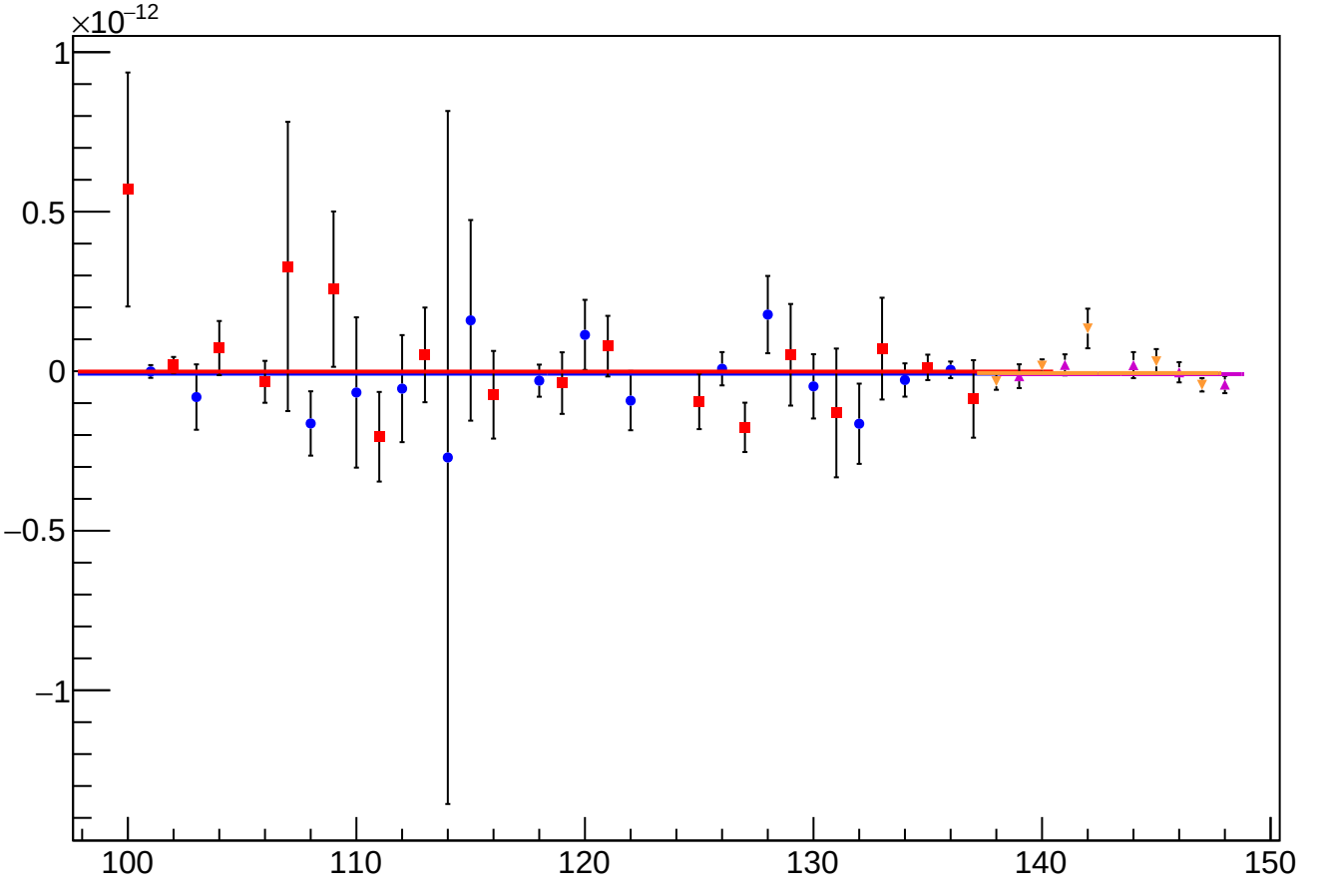
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1866.194+/-0.635 χ^2/NDF:88852.3/4

+ sign 1833.146+/-0.397 χ^2/NDF: 504499.2/20

All: 1852.258+/-0.279 χ^2/NDF: 1167952.0/43

- sign 1871.001+/-0.393 χ^2/NDF: 658854.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

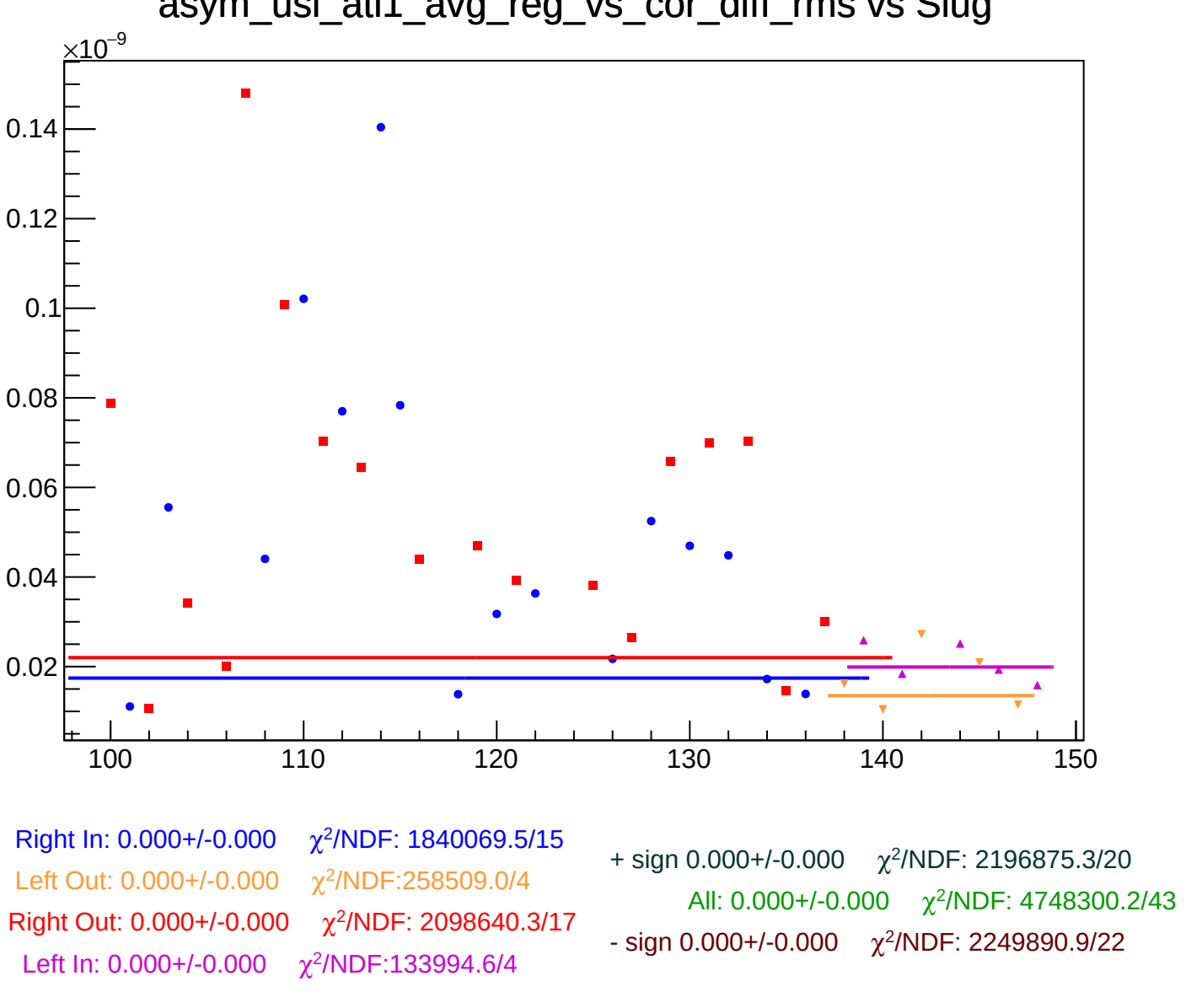
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

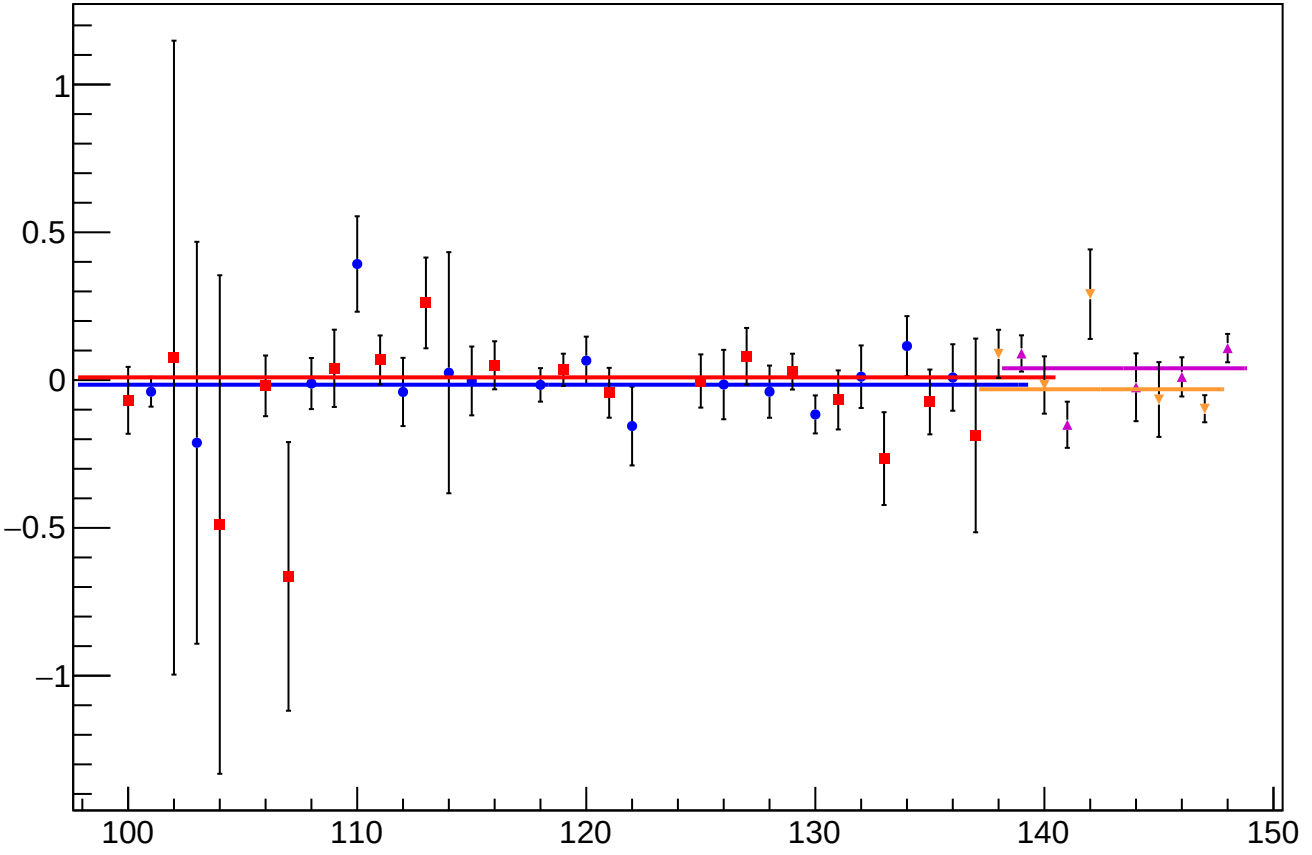
+ sign -0.000+/-0.000 χ^2/NDF: 21.5/20

All: -0.000+/-0.000 χ^2/NDF: 41.1/43

- sign -0.000+/-0.000 χ^2/NDF: 19.6/22


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:258509.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:133994.6/4
+ sign 0.000+/-0.000 χ²/NDF: 2196875.3/20
All: 0.000+/-0.000 χ²/NDF: 4748300.2/43
- sign 0.000+/-0.000 χ²/NDF: 2249890.9/22

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

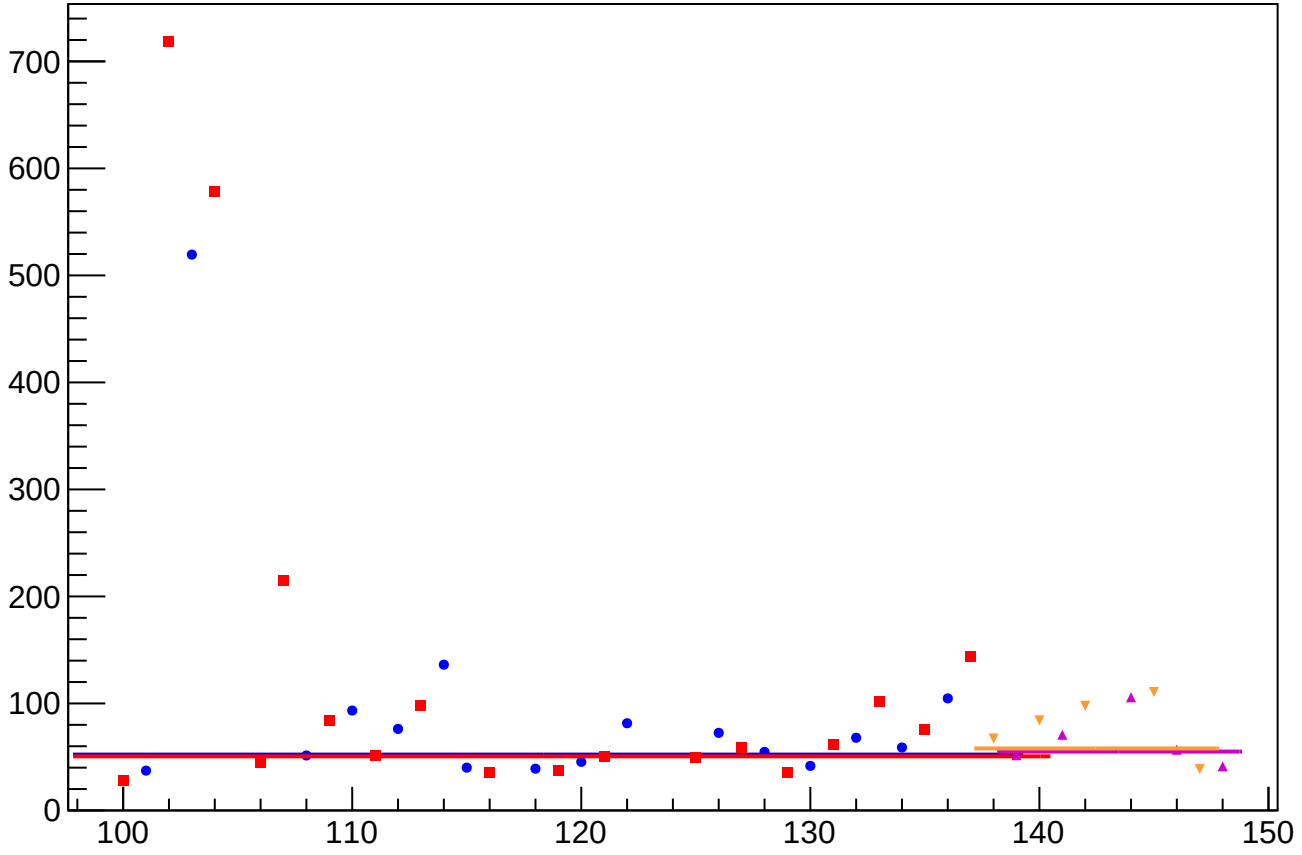
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: 0.001+/-0.013 χ^2/NDF: 47.0/43

- sign 0.021+/-0.018 χ^2/NDF: 22.3/22

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

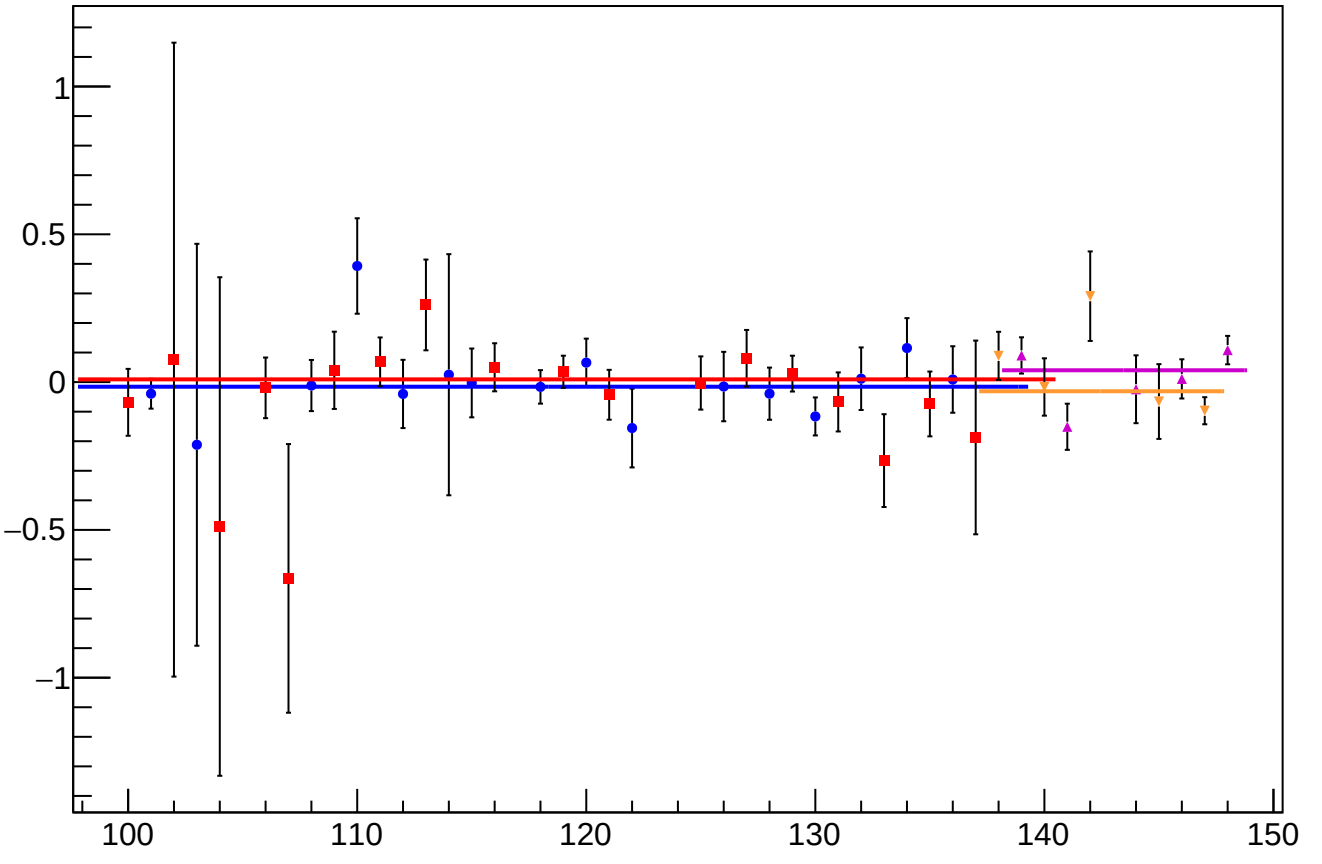
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

+ sign 53.919+/-0.013 χ^2/NDF: 3319918.2/20

All: 53.099+/-0.009 χ^2/NDF: 7049380.8/43

- sign 52.325+/-0.013 χ^2/NDF: 3722163.3/22



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

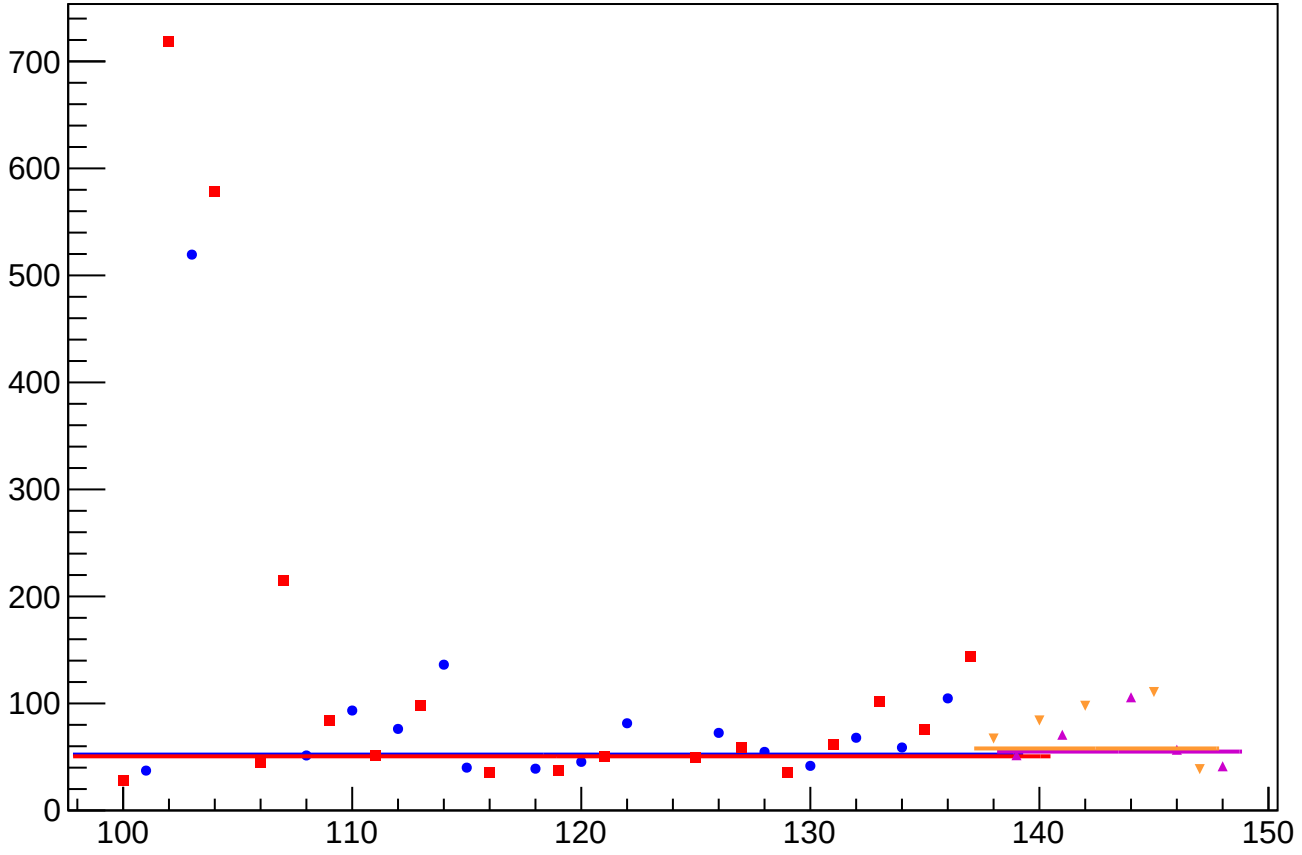
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: 0.001+/-0.013 χ^2/NDF: 47.0/43

- sign 0.021+/-0.018 χ^2/NDF: 22.3/22

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

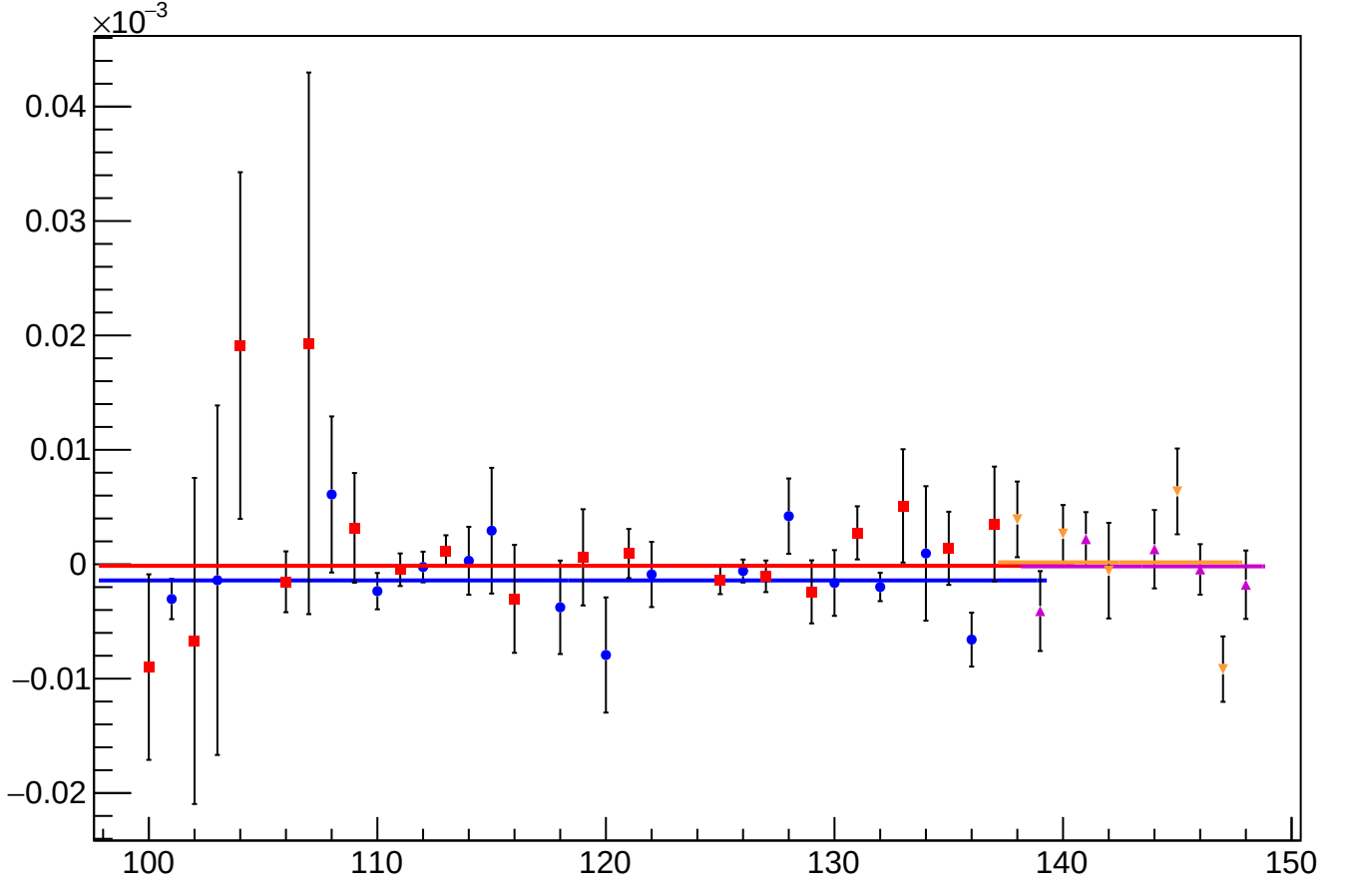
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

+ sign 53.919+/-0.013 χ^2/NDF: 3319918.2/20

All: 53.099+/-0.009 χ^2/NDF: 7049380.8/43

- sign 52.325+/-0.013 χ^2/NDF: 3722163.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/4

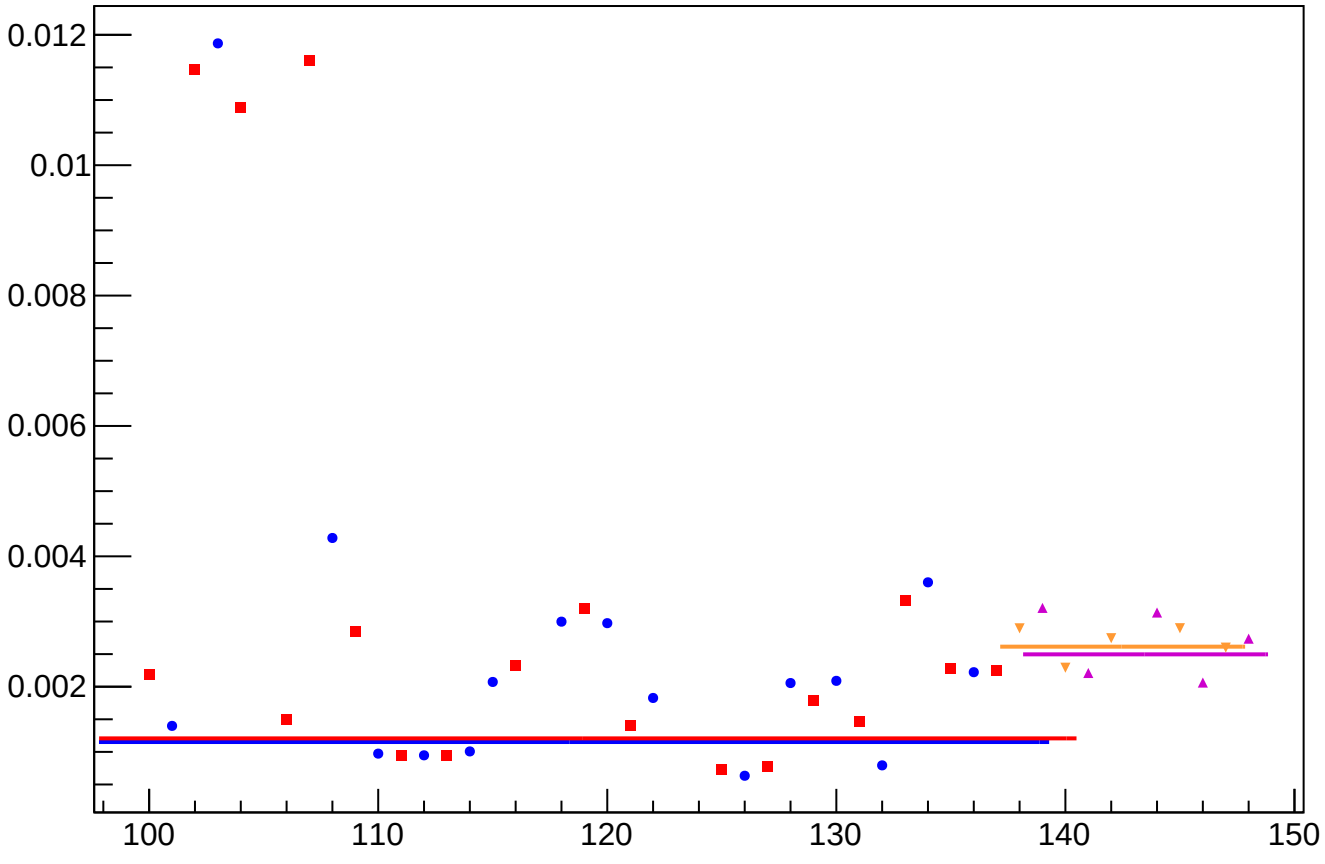
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/20

All: -0.000+/-0.000 χ^2/NDF: 48.5/43

- sign -0.000+/-0.000 χ^2/NDF: 14.4/22



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:61079.8/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

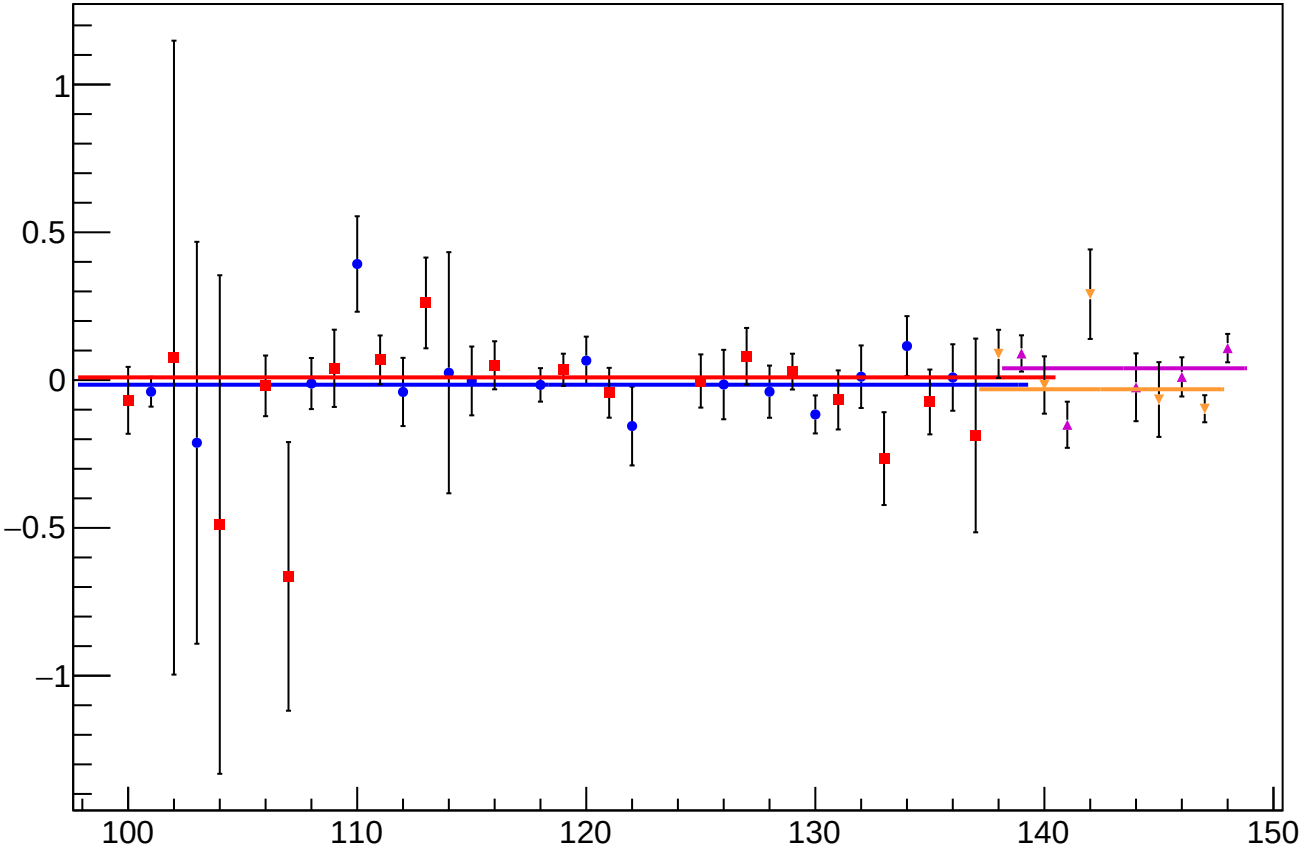
Left In: 0.002+/-0.000 χ^2/NDF:272812.5/4

+ sign 0.001+/-0.000 χ^2/NDF: 6141683.8/20

All: 0.001+/-0.000 χ^2/NDF: 12810187.2/43

- sign 0.001+/-0.000 χ^2/NDF: 6625375.5/22

asym_usl_atl1_avg_eigen_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

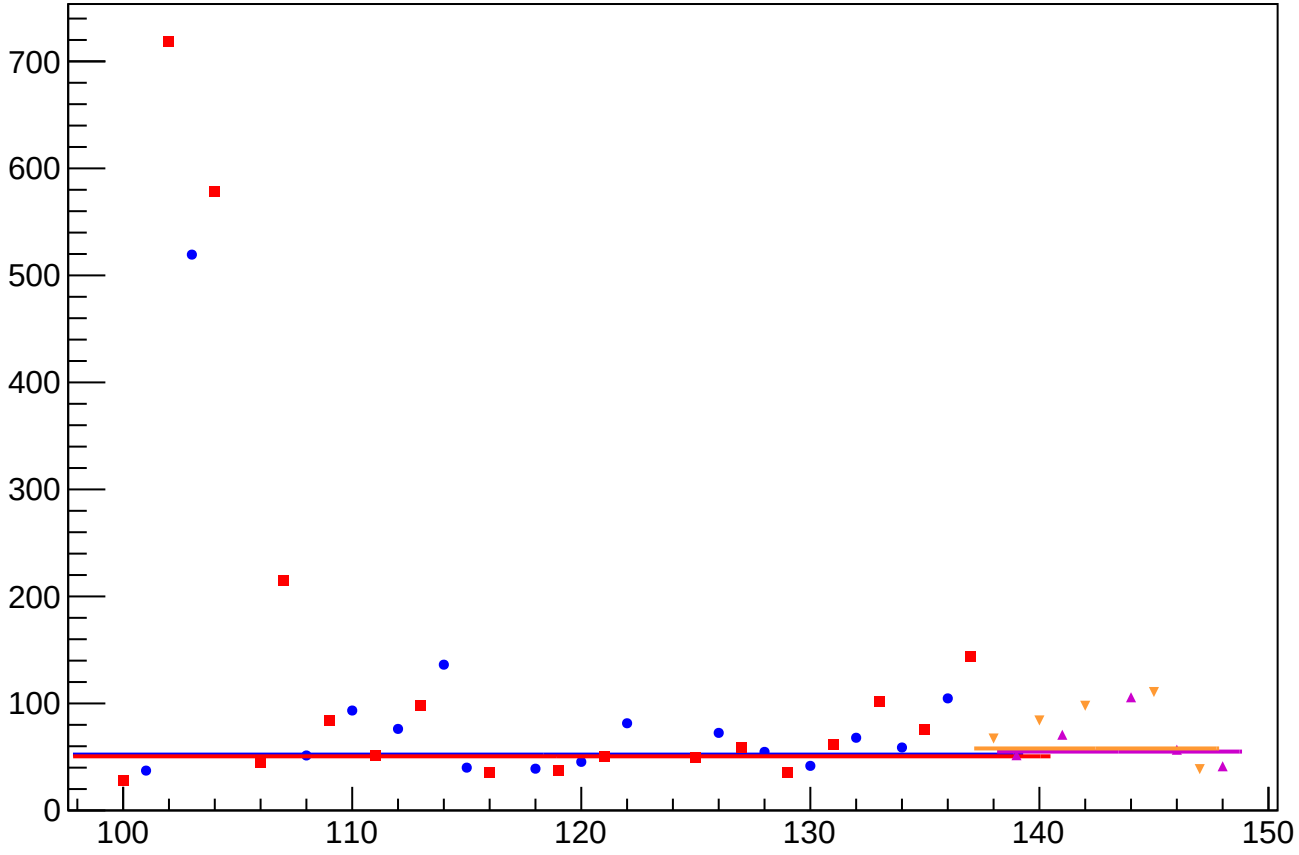
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: 0.001+/-0.013 χ^2/NDF: 47.0/43

- sign 0.021+/-0.018 χ^2/NDF: 22.3/22

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

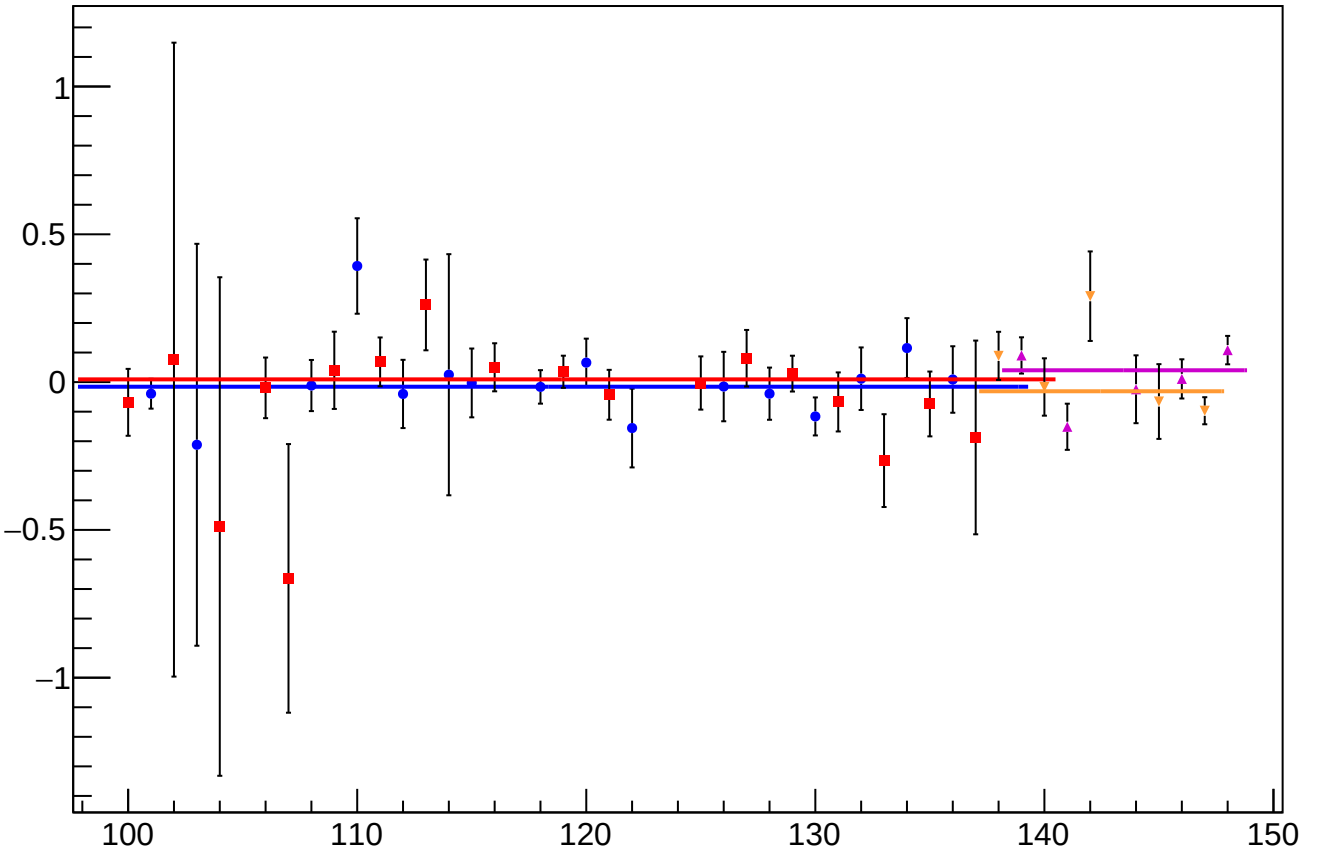
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

+ sign 53.919+/-0.013 χ^2/NDF: 3319883.1/20

All: 53.098+/-0.009 χ^2/NDF: 7049326.4/43

- sign 52.325+/-0.013 χ^2/NDF: 3722143.1/22



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

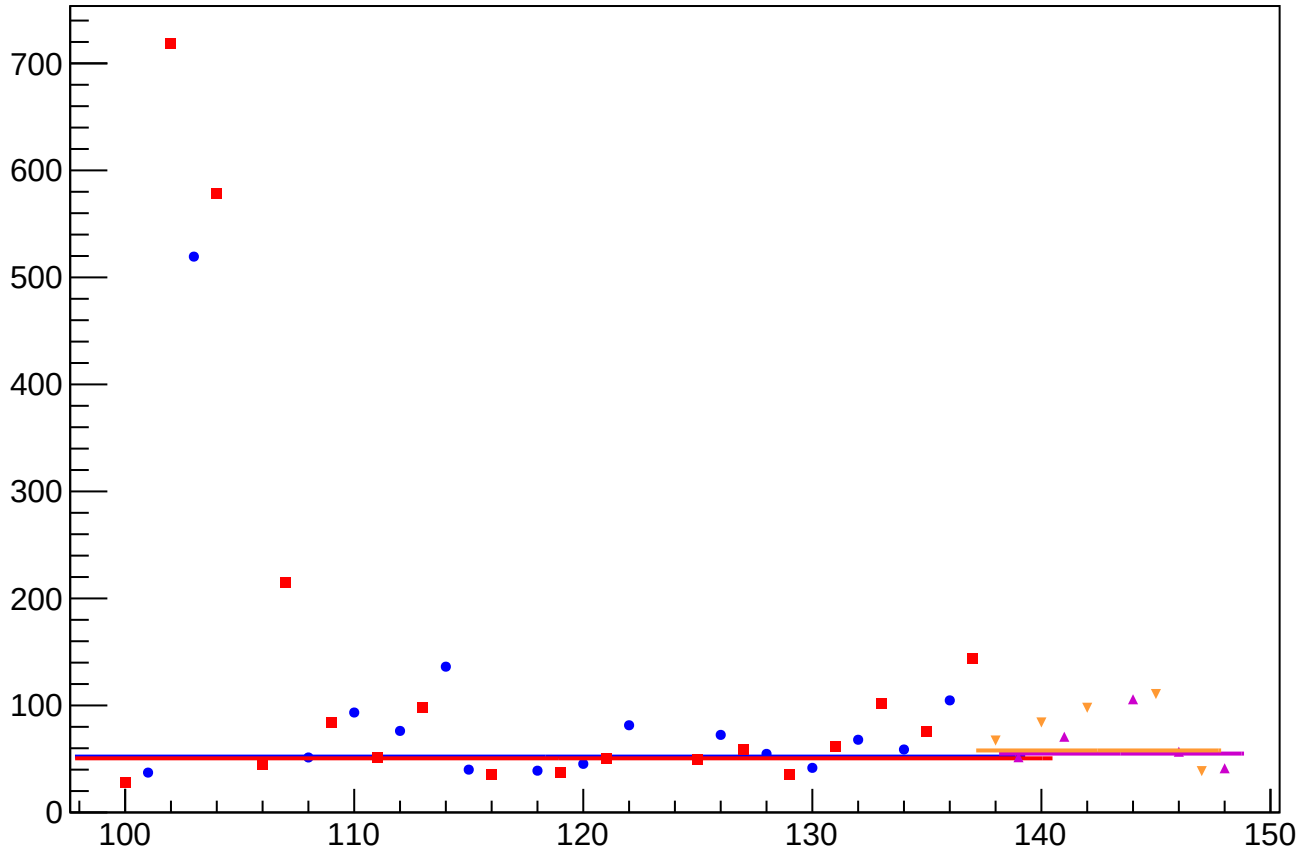
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.020+/-0.019 χ^2/NDF: 22.2/20

All: 0.001+/-0.013 χ^2/NDF: 47.0/43

- sign 0.021+/-0.018 χ^2/NDF: 22.3/22



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014236.8/4

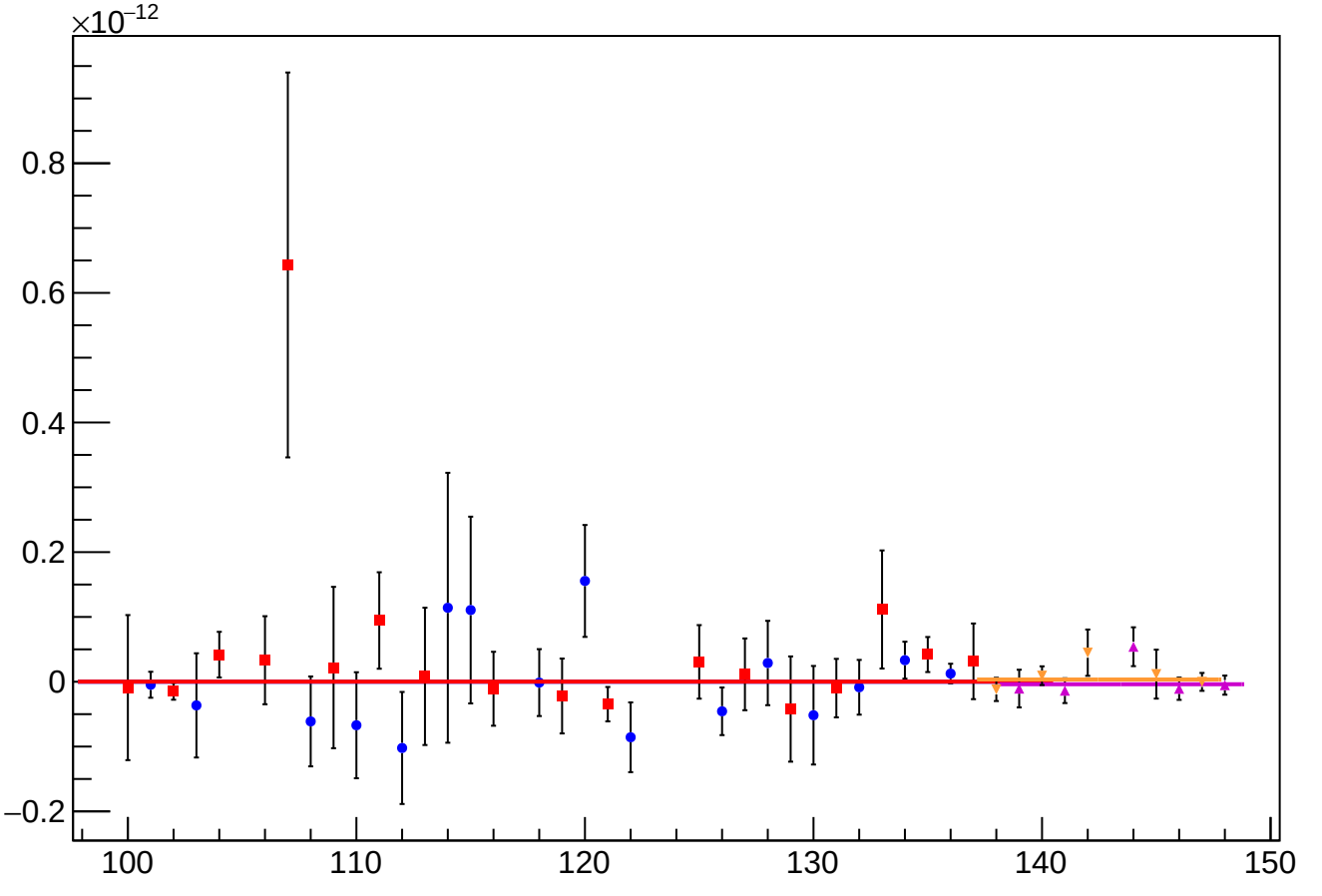
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

+ sign 53.919+/-0.013 χ^2/NDF: 3319883.1/20

All: 53.098+/-0.009 χ^2/NDF: 7049326.4/43

- sign 52.325+/-0.013 χ^2/NDF: 3722143.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

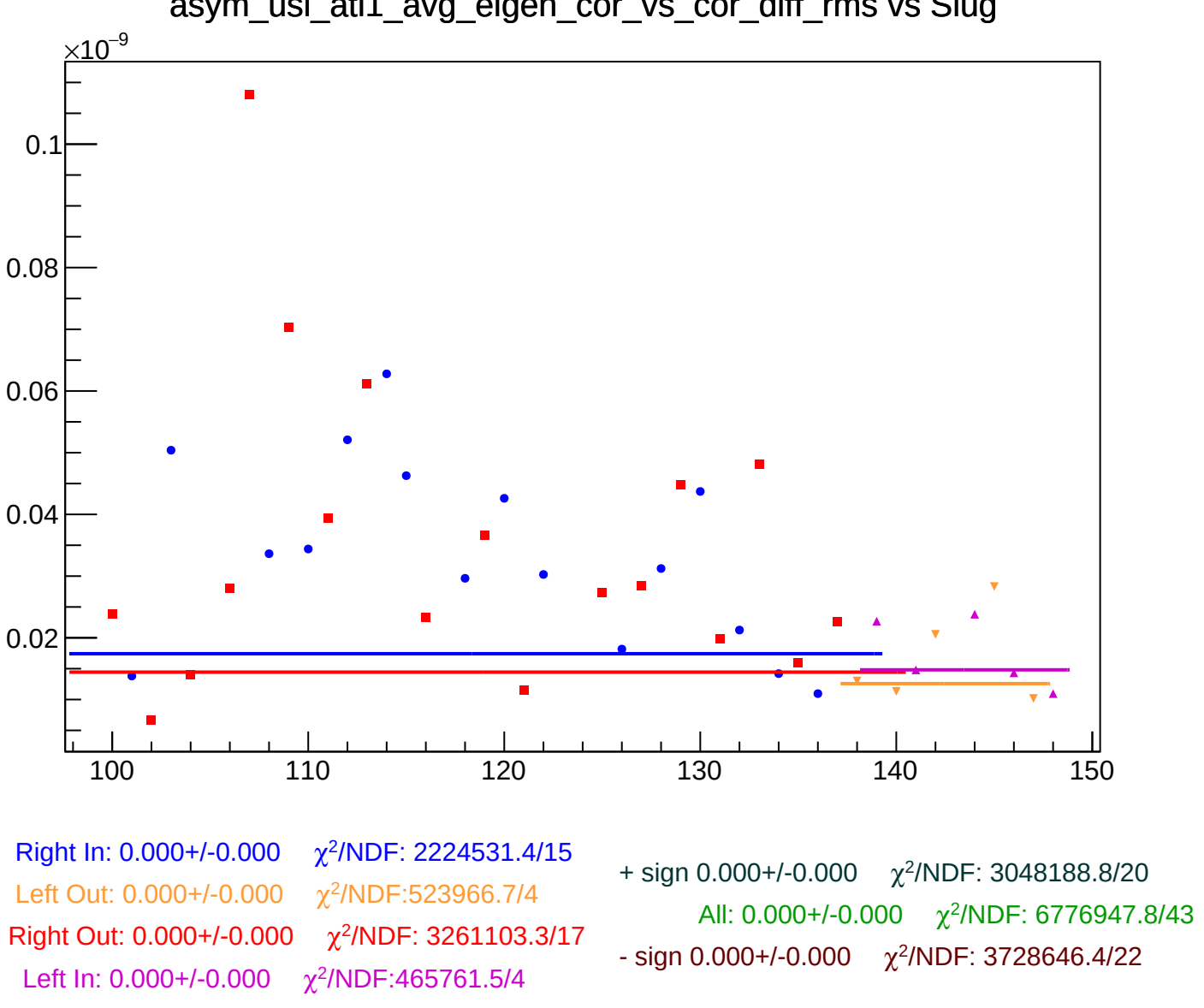
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

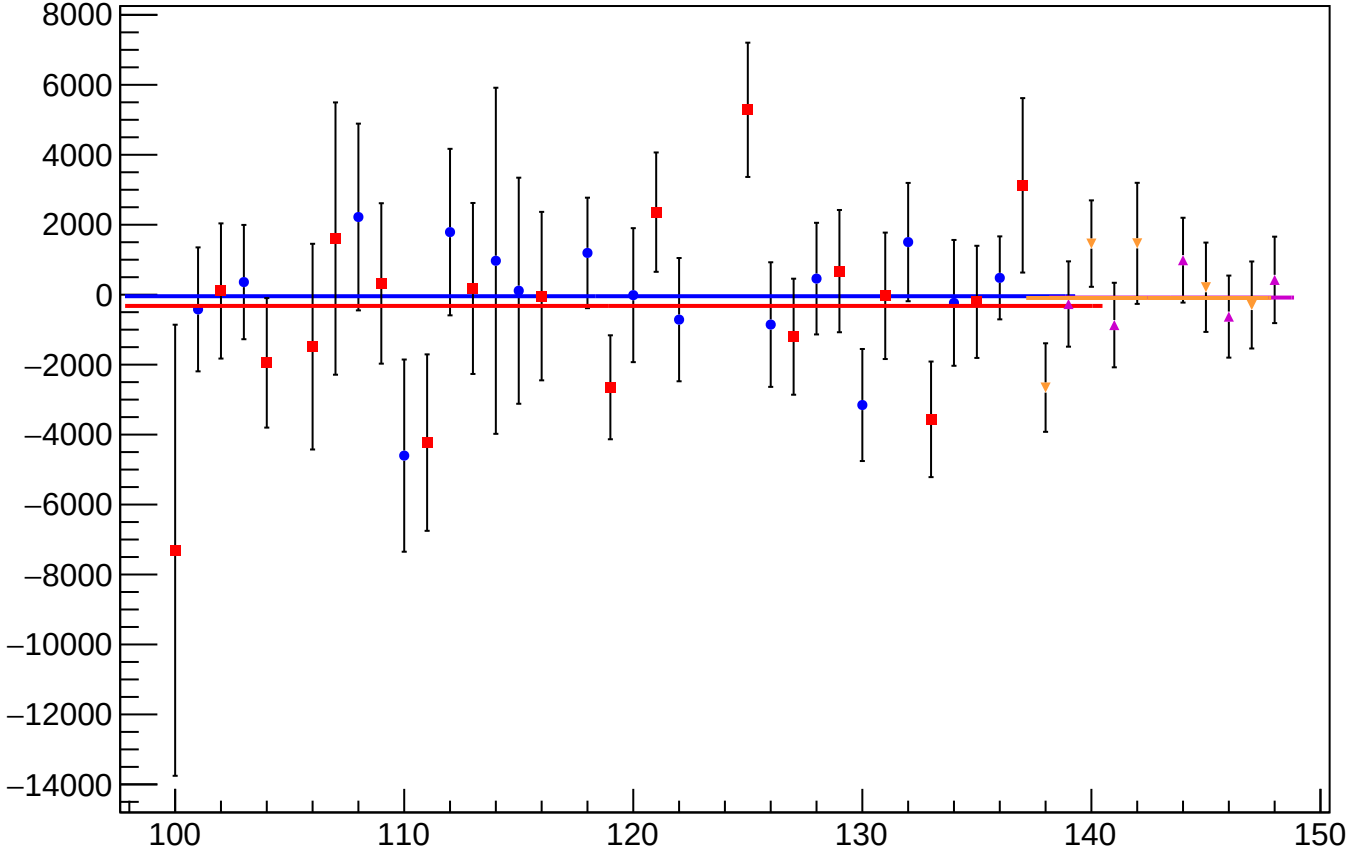
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/20

All: 0.000+/-0.000 χ^2/NDF: 37.0/43

- sign -0.000+/-0.000 χ^2/NDF: 20.3/22


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:523966.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:465761.5/4
+ sign 0.000+/-0.000 χ²/NDF: 3048188.8/20
All: 0.000+/-0.000 χ²/NDF: 6776947.8/43
- sign 0.000+/-0.000 χ²/NDF: 3728646.4/22

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

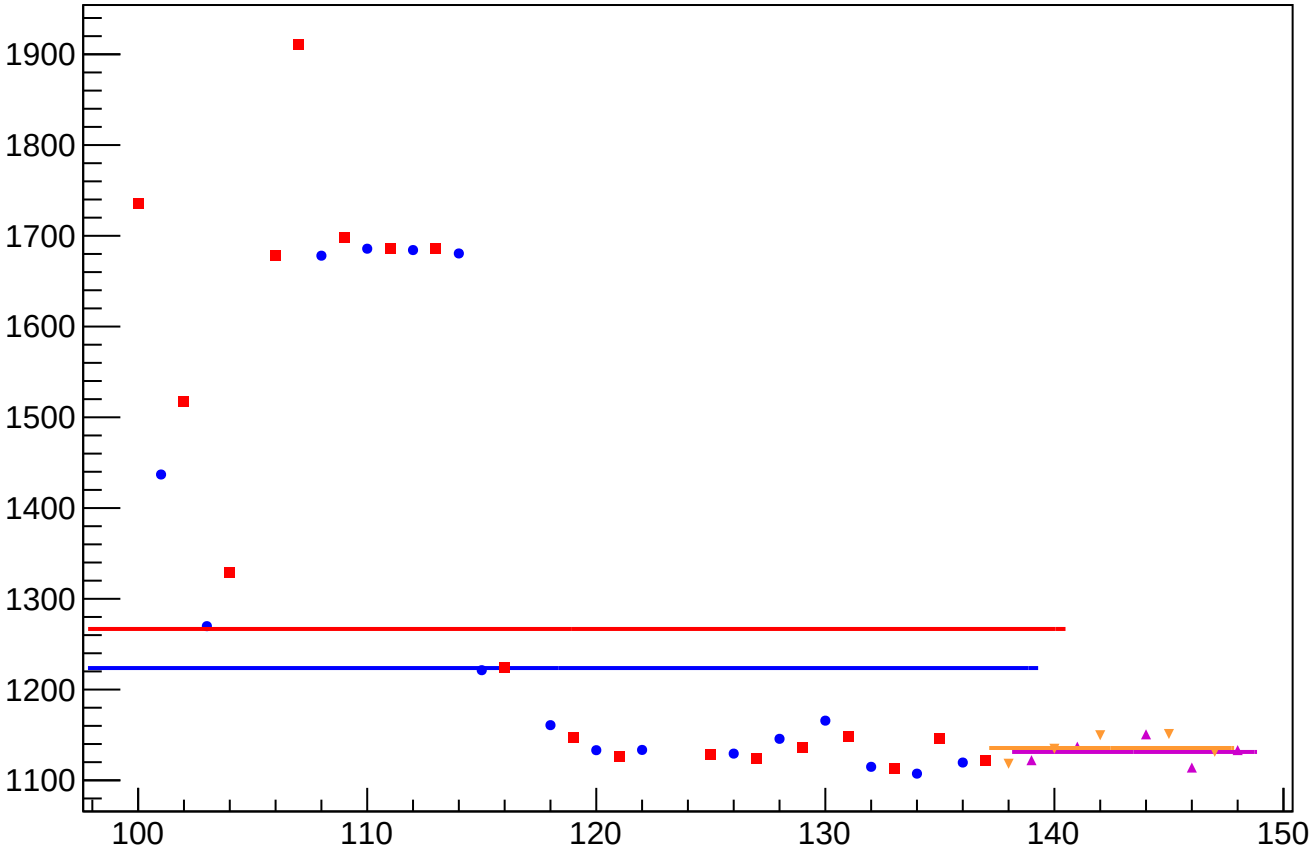
Left In: -82.184+/-540.860 χ^2/NDF:1.6/4

+ sign -62.688+/-362.394 χ^2/NDF: 16.7/20

All: -141.116+/-254.278 χ^2/NDF: 43.3/43

- sign -217.175+/-356.876 χ^2/NDF: 26.5/22

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

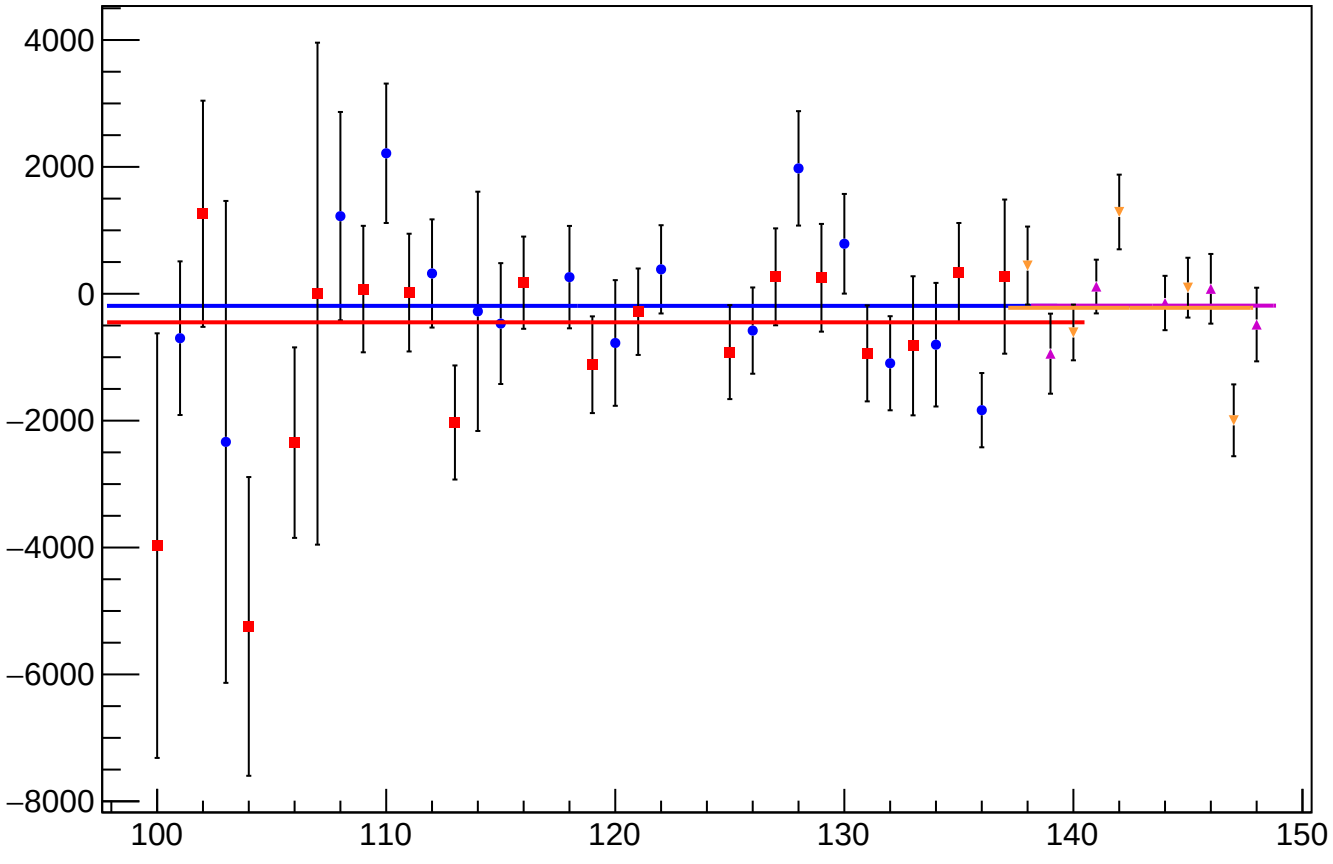
Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1190.474+/-0.256 χ^2/NDF: 323550.9/20

All: 1199.258+/-0.180 χ^2/NDF: 830715.9/43

- sign 1207.776+/-0.252 χ^2/NDF: 504850.6/22



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

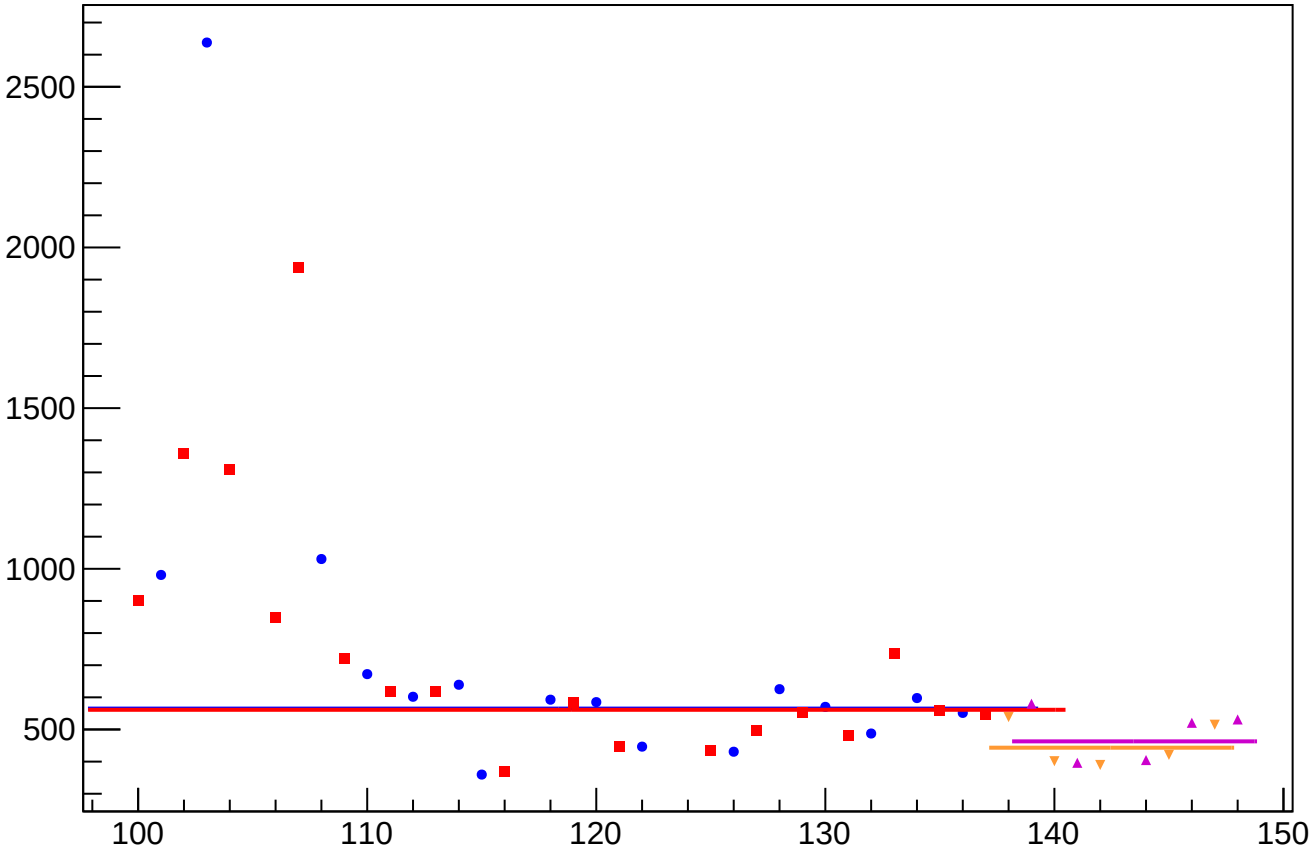
Left In: -187.069+/-224.595 χ^2/NDF:2.5/4

+ sign -205.277+/-161.221 χ^2/NDF: 44.1/20

All: -263.311+/-112.960 χ^2/NDF: 64.3/43

- sign -319.275+/-158.318 χ^2/NDF: 20.0/22

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

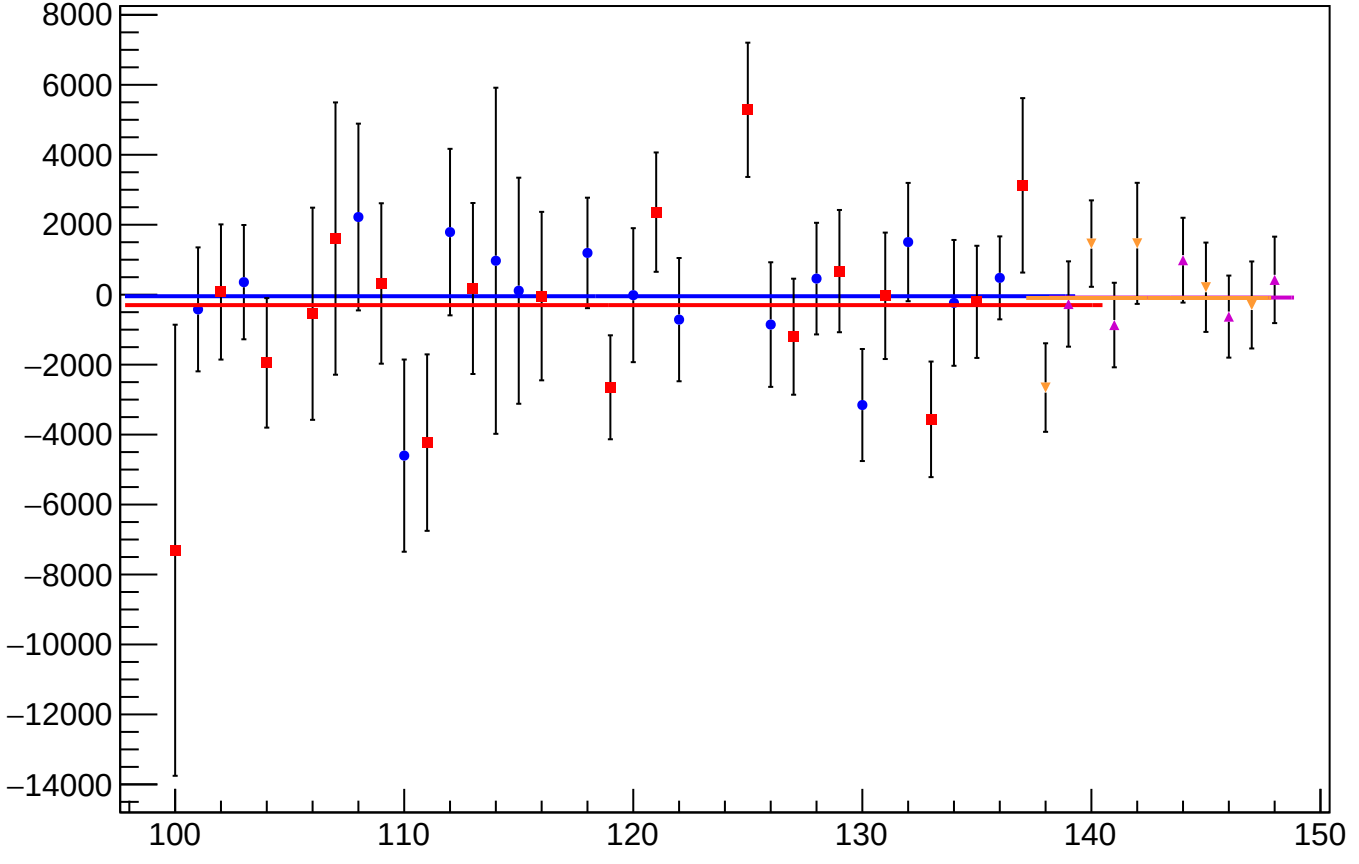
Left In: 462.992+/-0.159 χ^2/NDF:205057.3/4

+ sign 506.960+/-0.114 χ^2/NDF: 1688027.4/20

All: 509.741+/-0.080 χ^2/NDF: 3439055.9/43

- sign 512.423+/-0.112 χ^2/NDF: 1749859.6/22

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

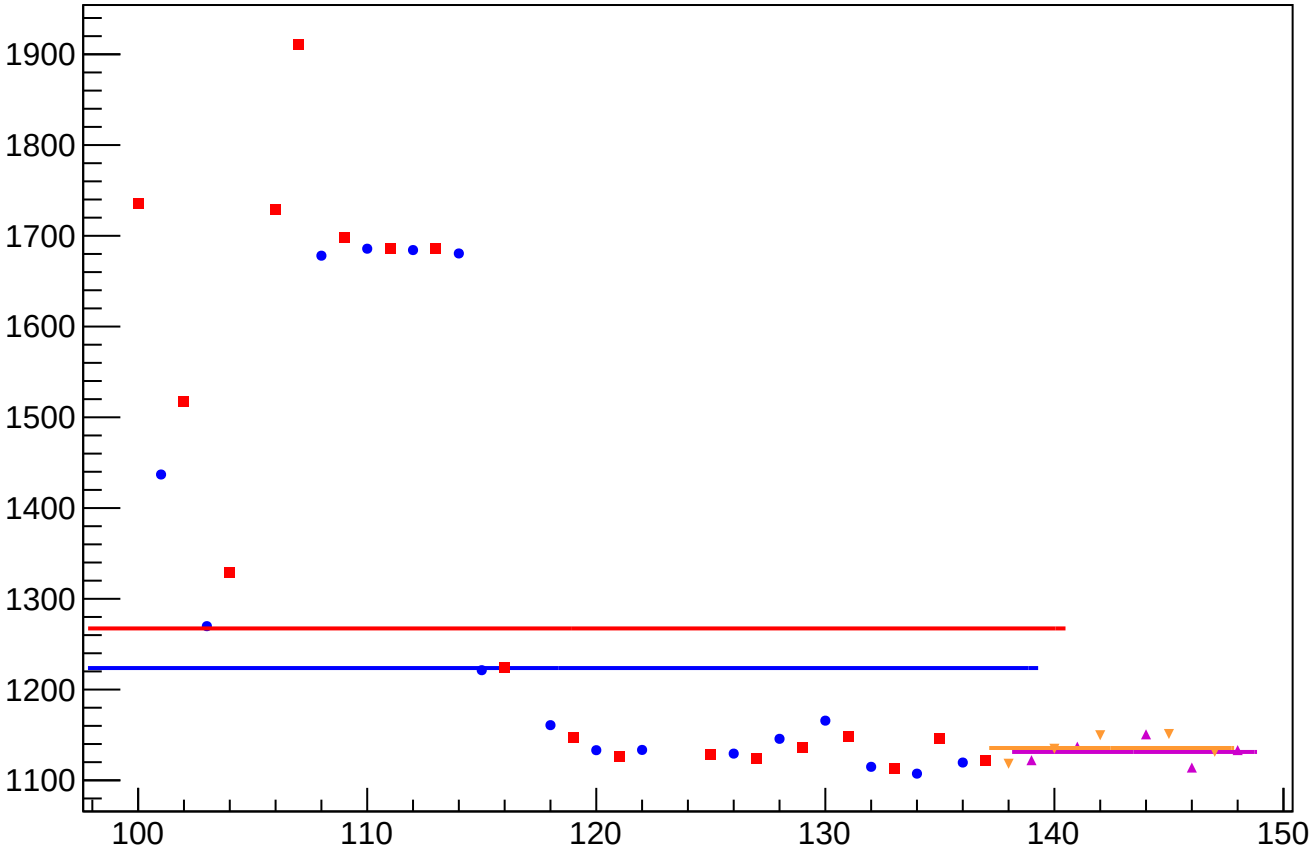
Left In: -82.061+/-540.860 χ^2/NDF:1.6/4

+ sign -62.787+/-362.394 χ^2/NDF: 16.7/20

All: -134.454+/-254.336 χ^2/NDF: 43.1/43

- sign -204.018+/-357.035 χ^2/NDF: 26.3/22

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

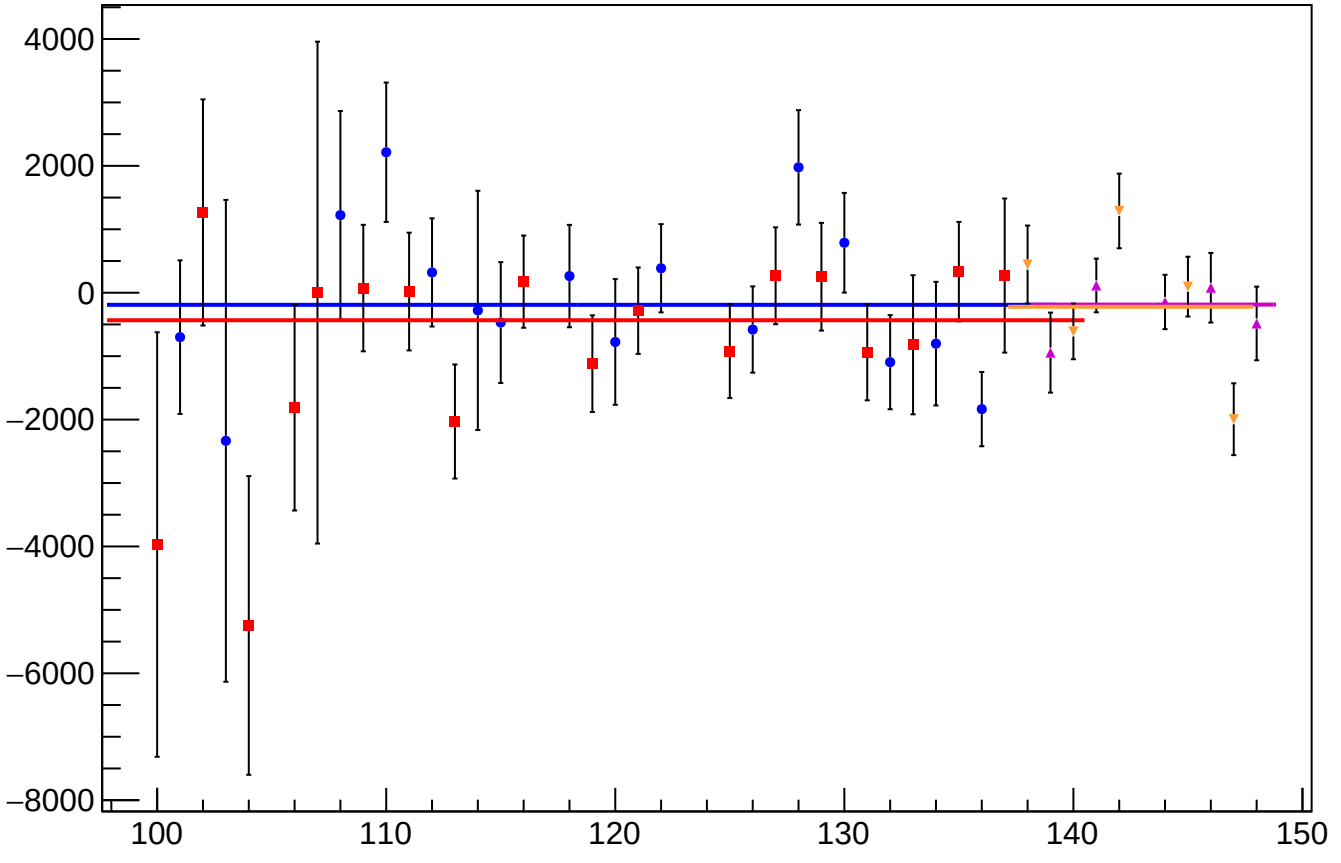
Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1190.474+/-0.256 χ^2/NDF: 323551.0/20

All: 1199.394+/-0.180 χ^2/NDF: 838489.0/43

- sign 1208.053+/-0.252 χ^2/NDF: 512550.1/22

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

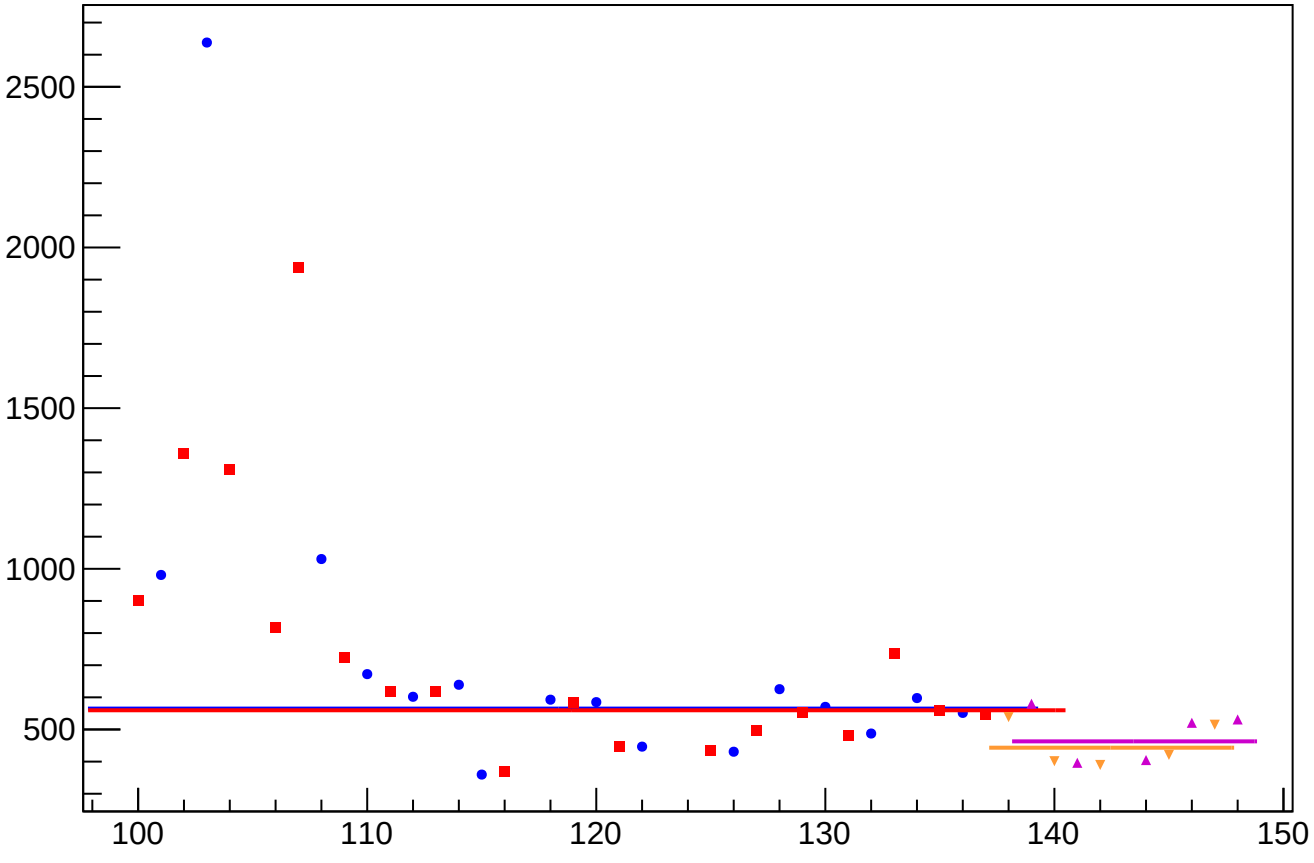
Left In: -186.986+/-224.596 χ^2/NDF:2.5/4

+ sign -205.285+/-161.220 χ^2/NDF: 44.1/20

All: -259.066+/-113.004 χ^2/NDF: 63.3/43

- sign -311.009+/-158.441 χ^2/NDF: 19.0/22

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

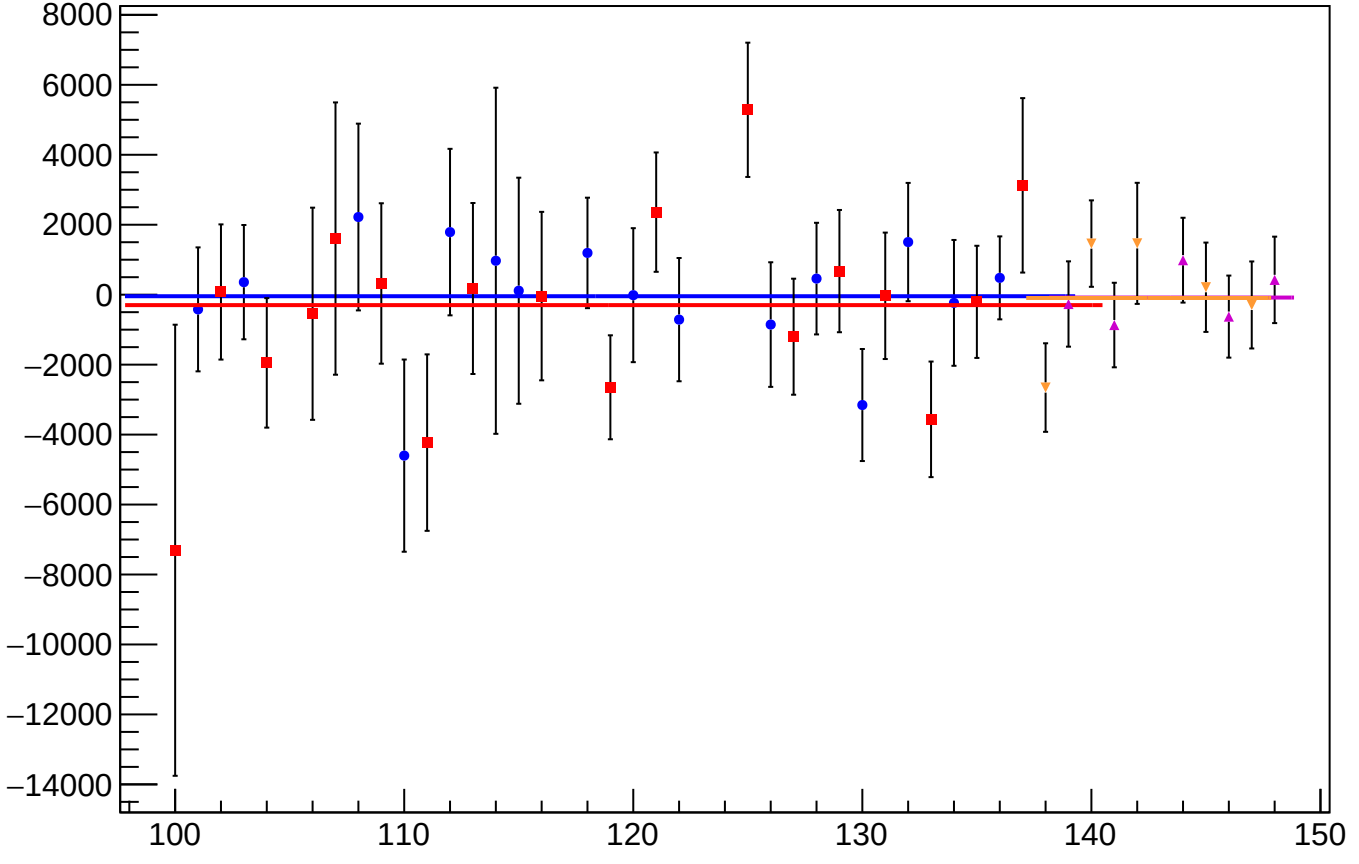
Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

+ sign 506.957+/-0.114 χ^2/NDF: 1687965.7/20

All: 509.320+/-0.080 χ^2/NDF: 3409712.8/43

- sign 511.602+/-0.112 χ^2/NDF: 1720902.5/22

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

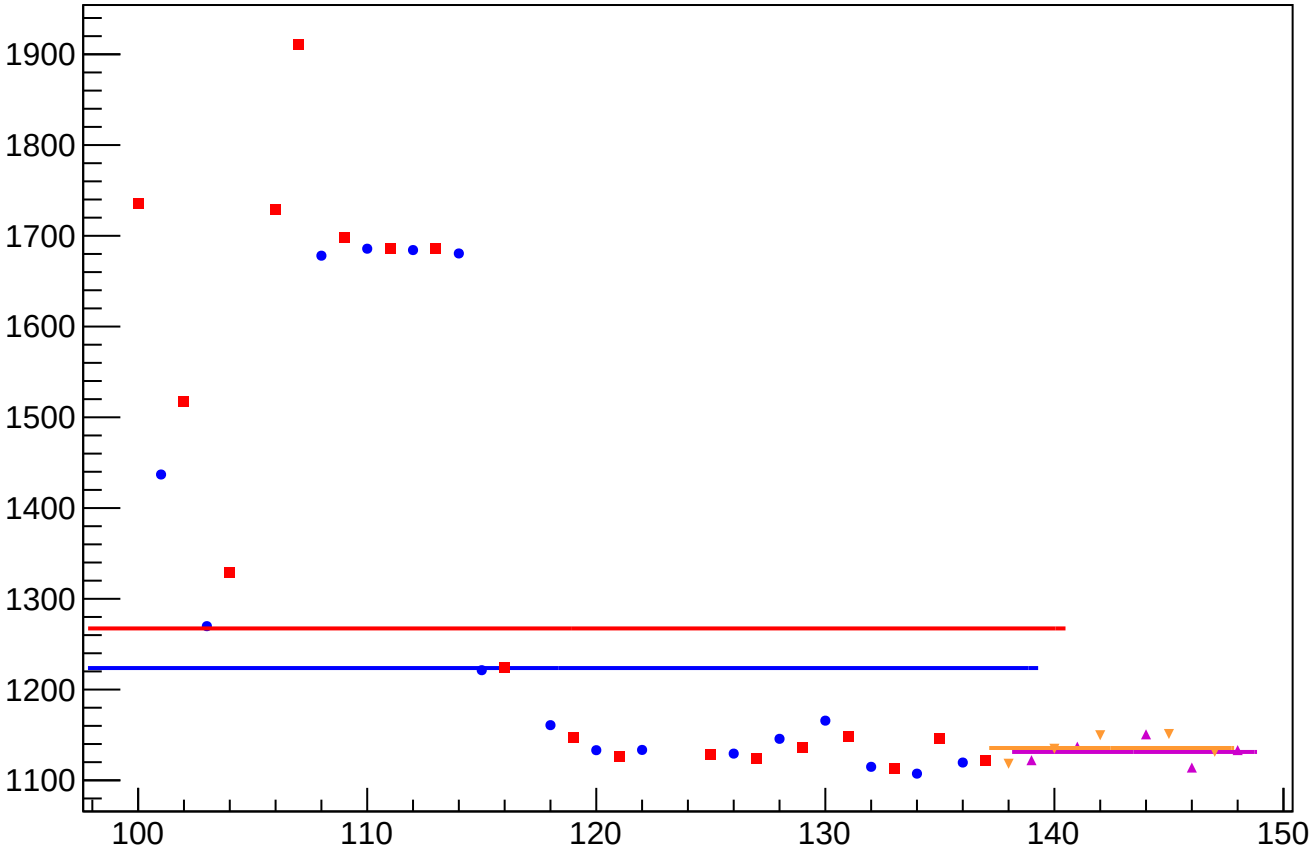
Left In: -82.061+/-540.860 χ^2/NDF:1.6/4

+ sign -62.787+/-362.394 χ^2/NDF: 16.7/20

All: -134.454+/-254.336 χ^2/NDF: 43.1/43

- sign -204.018+/-357.035 χ^2/NDF: 26.3/22

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

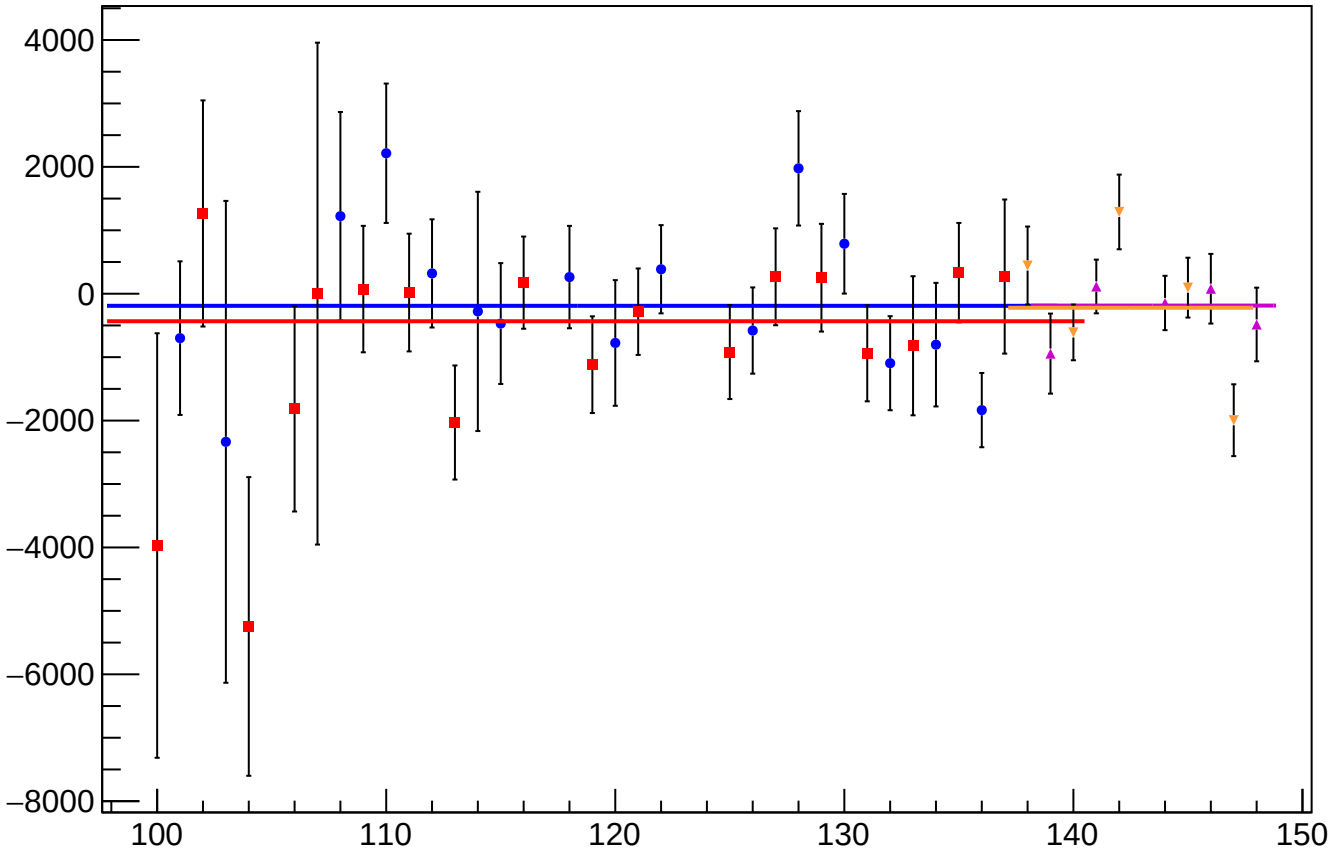
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1190.474+/-0.256 χ^2/NDF: 323551.0/20

All: 1199.394+/-0.180 χ^2/NDF: 838489.0/43

- sign 1208.053+/-0.252 χ^2/NDF: 512550.1/22



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

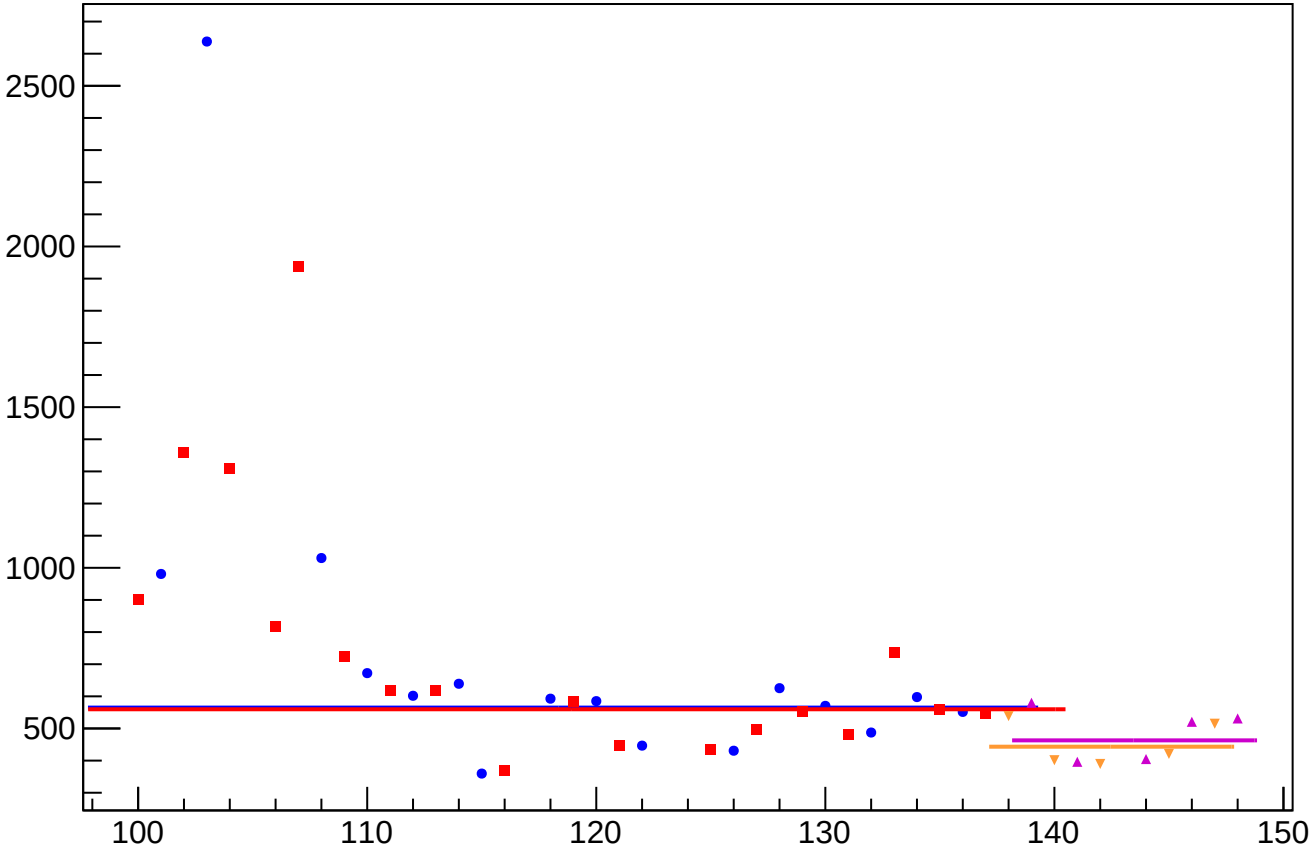
Left In: -186.986+/-224.596 χ^2/NDF:2.5/4

+ sign -205.285+/-161.220 χ^2/NDF: 44.1/20

All: -259.066+/-113.004 χ^2/NDF: 63.3/43

- sign -311.009+/-158.441 χ^2/NDF: 19.0/22

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

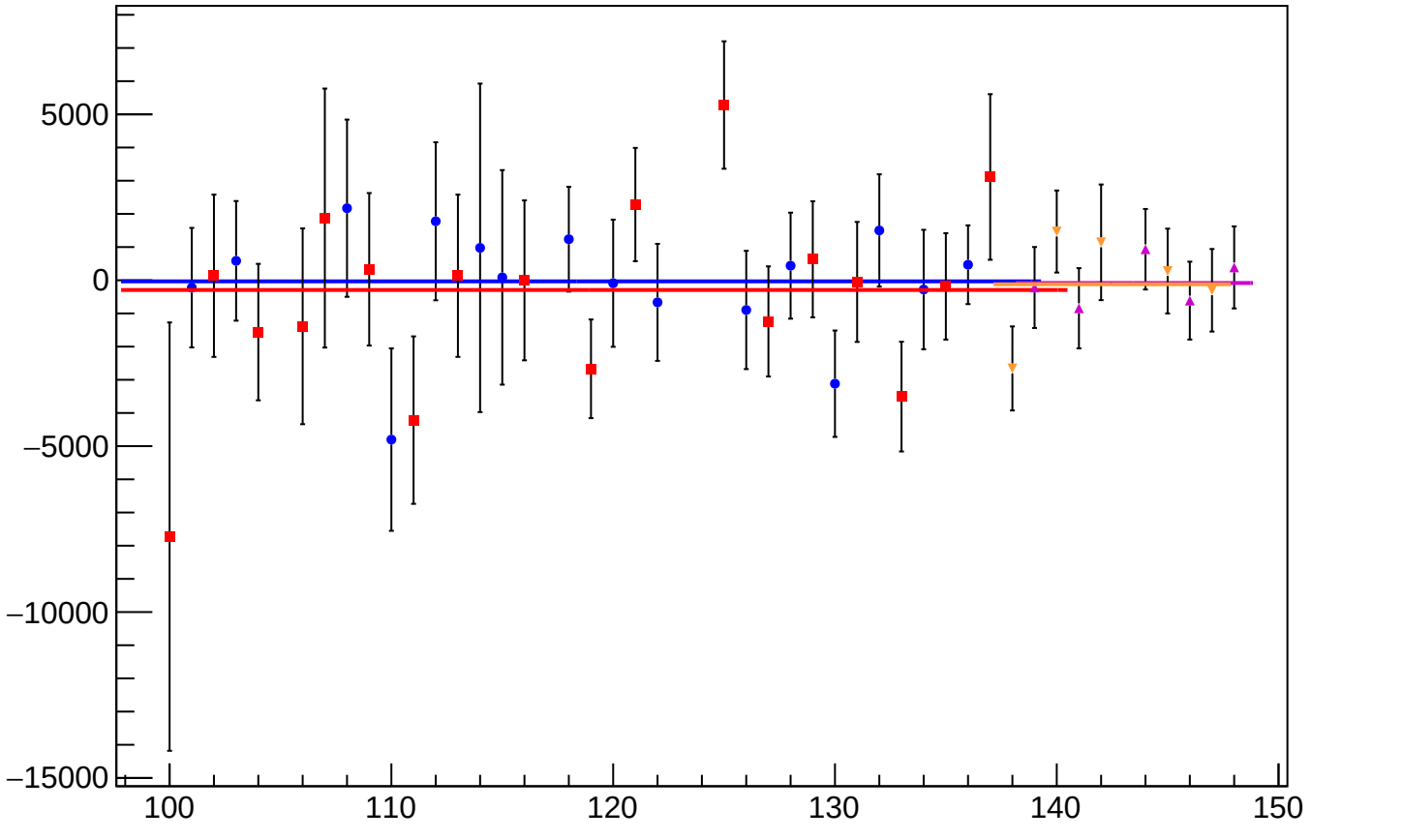
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

+ sign 506.957+/-0.114 χ^2/NDF: 1687965.7/20

All: 509.320+/-0.080 χ^2/NDF: 3409712.8/43

- sign 511.602+/-0.112 χ^2/NDF: 1720902.5/22



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

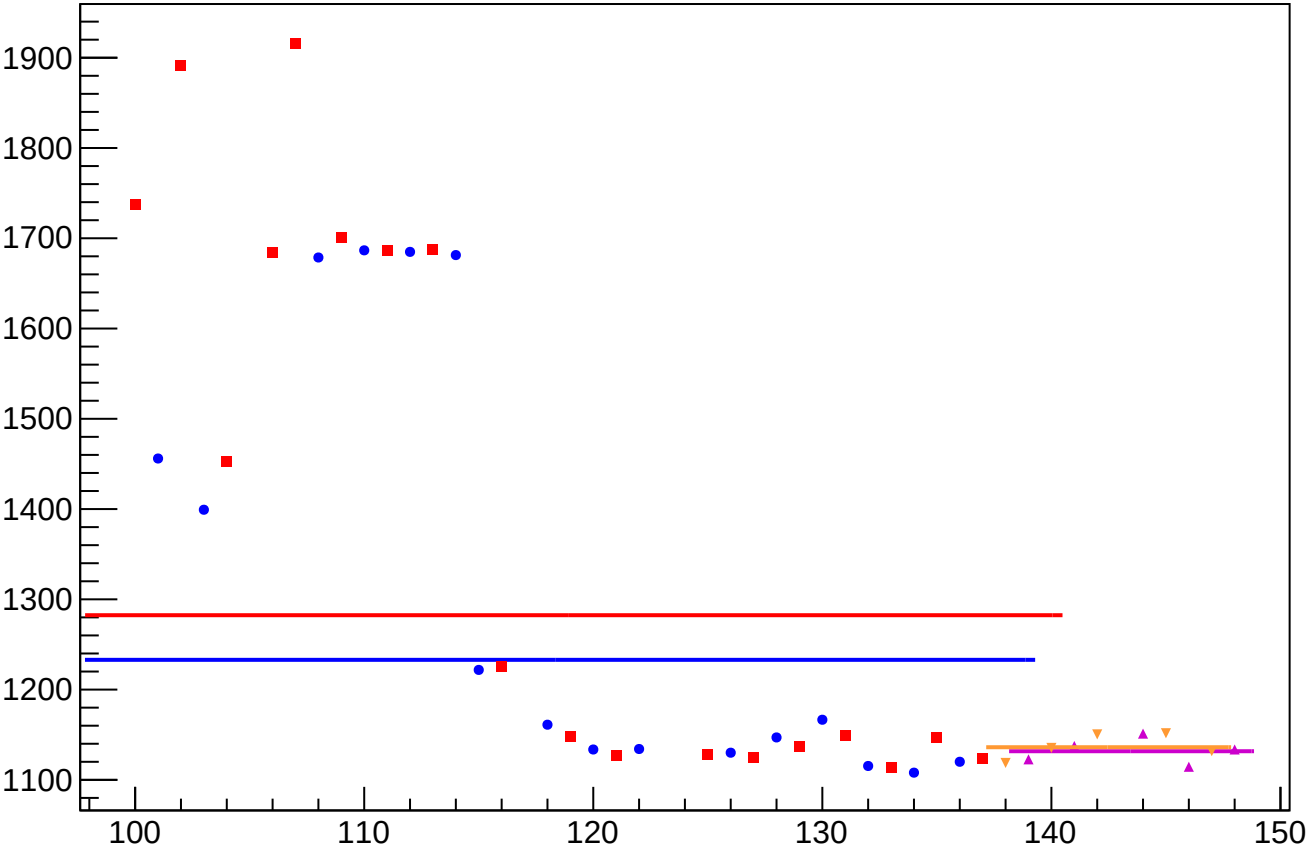
Left In: -82.607+/-541.081 χ^2/NDF:1.5/4

+ sign -66.444+/-364.516 χ^2/NDF: 16.6/20

All: -133.794+/-256.382 χ^2/NDF: 42.4/43

- sign -199.732+/-360.671 χ^2/NDF: 25.8/22

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

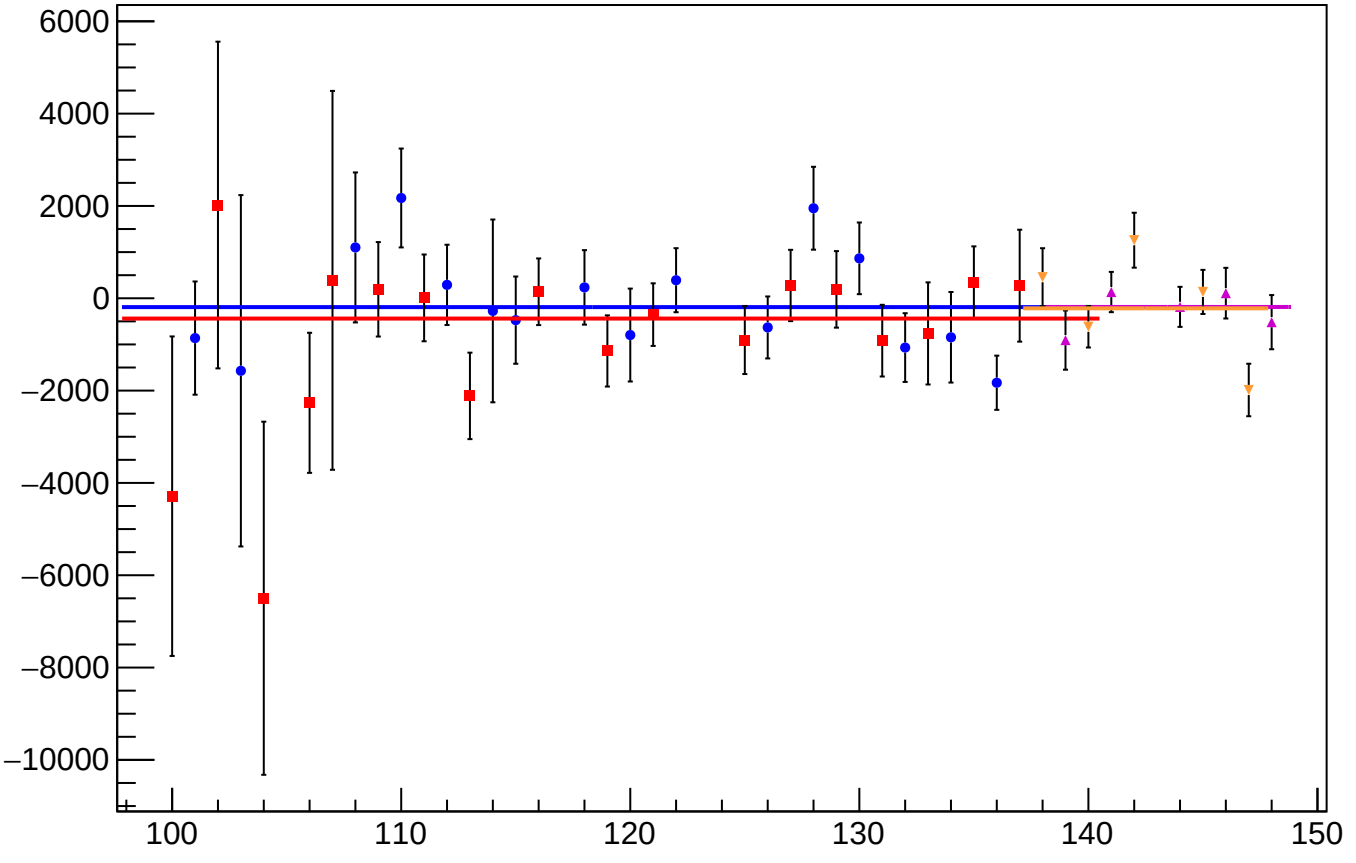
Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

+ sign 1196.101+/-0.258 χ^2/NDF: 349569.3/20

All: 1205.879+/-0.181 χ^2/NDF: 983125.2/43

- sign 1215.452+/-0.255 χ^2/NDF: 630707.6/22

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

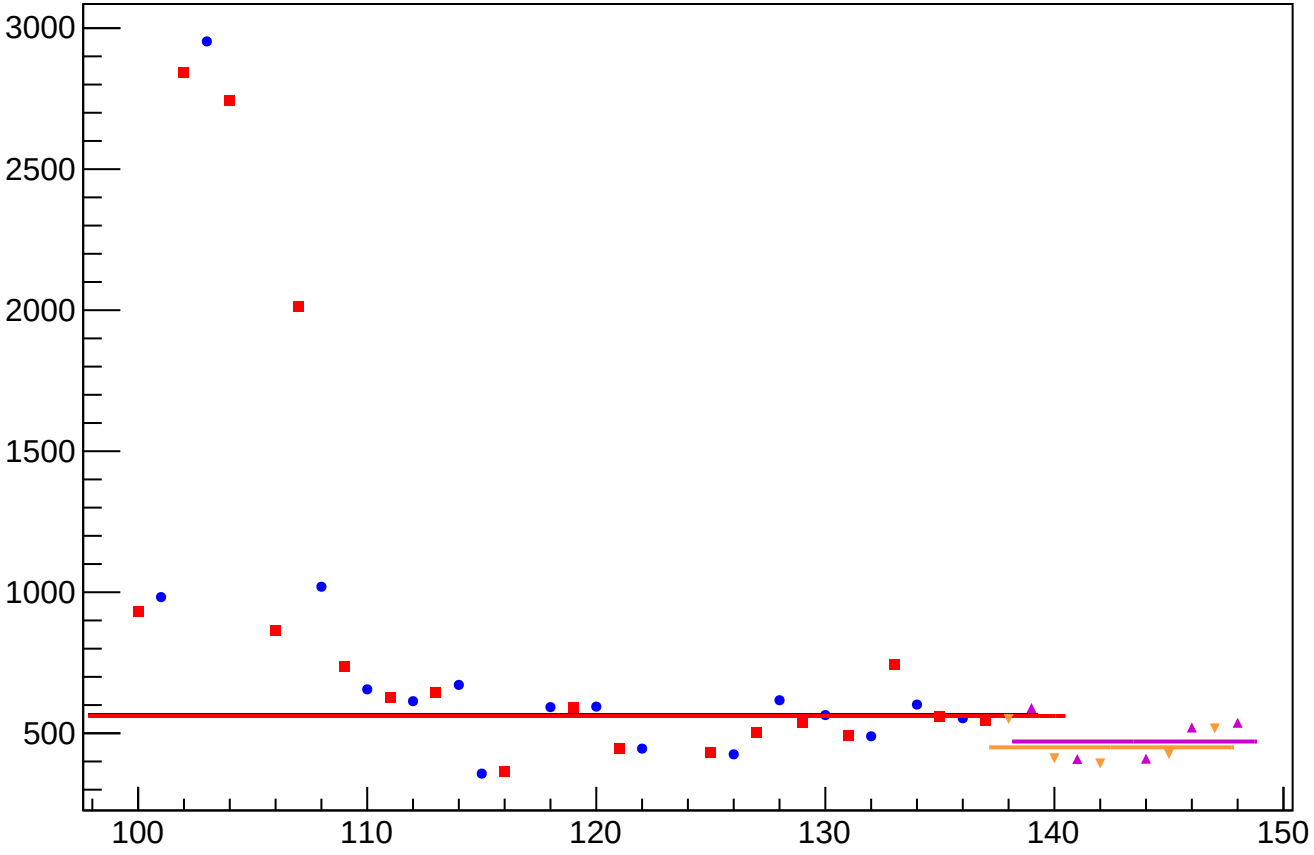
Left In: -188.138+/-228.076 χ^2/NDF:2.4/4

+ sign -203.878+/-162.354 χ^2/NDF: 43.6/20

All: -259.834+/-114.230 χ^2/NDF: 61.5/43

- sign -314.690+/-160.750 χ^2/NDF: 17.7/22

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

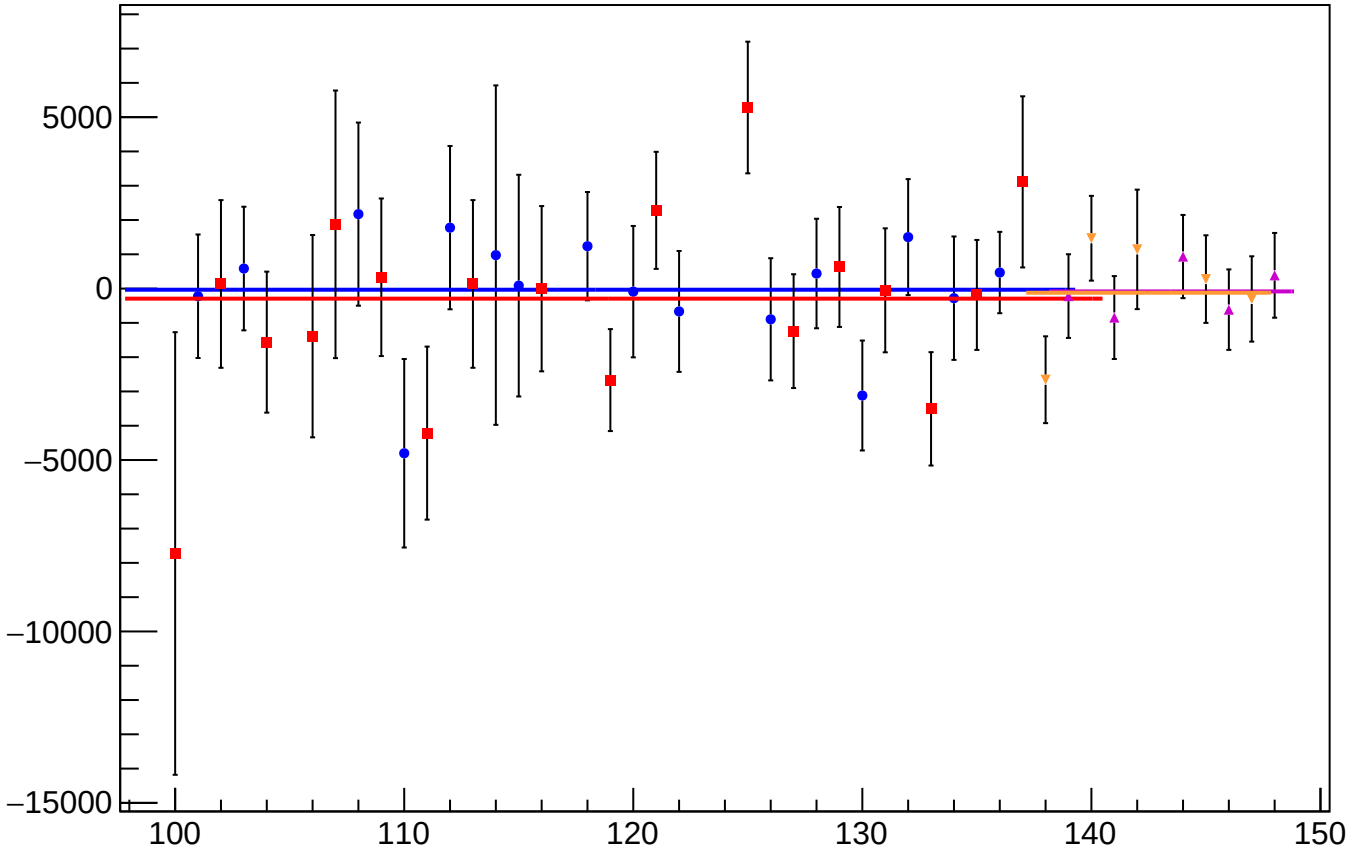
Left In: 470.781+/-0.161 χ^2/NDF:190405.1/4

+ sign 511.161+/-0.115 χ^2/NDF: 1845573.4/20

All: 513.766+/-0.081 χ^2/NDF: 4468813.1/43

- sign 516.321+/-0.114 χ^2/NDF: 2622219.7/22

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

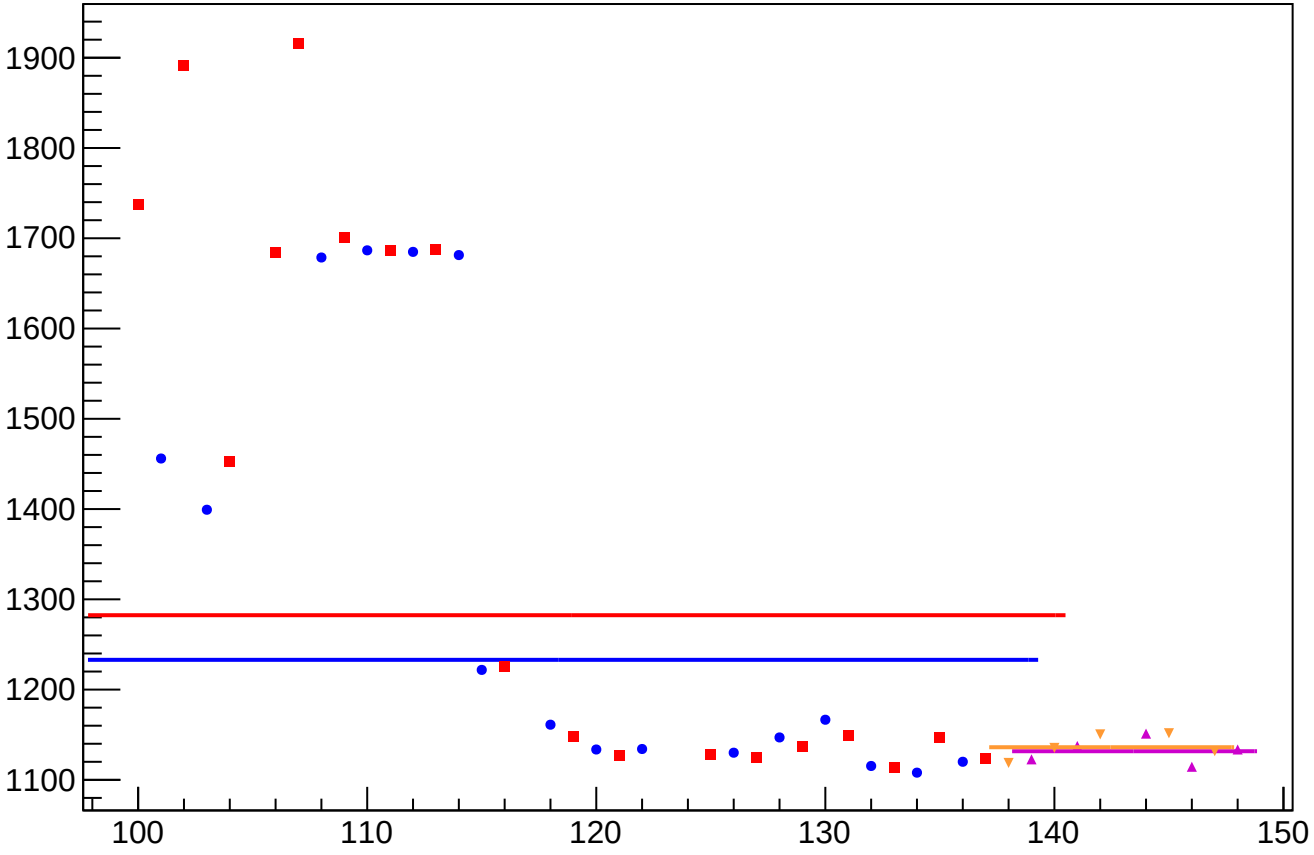
Left In: -82.608+/-541.081 χ^2/NDF:1.5/4

+ sign -66.444+/-364.516 χ^2/NDF: 16.6/20

All: -133.795+/-256.382 χ^2/NDF: 42.4/43

- sign -199.732+/-360.671 χ^2/NDF: 25.8/22

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

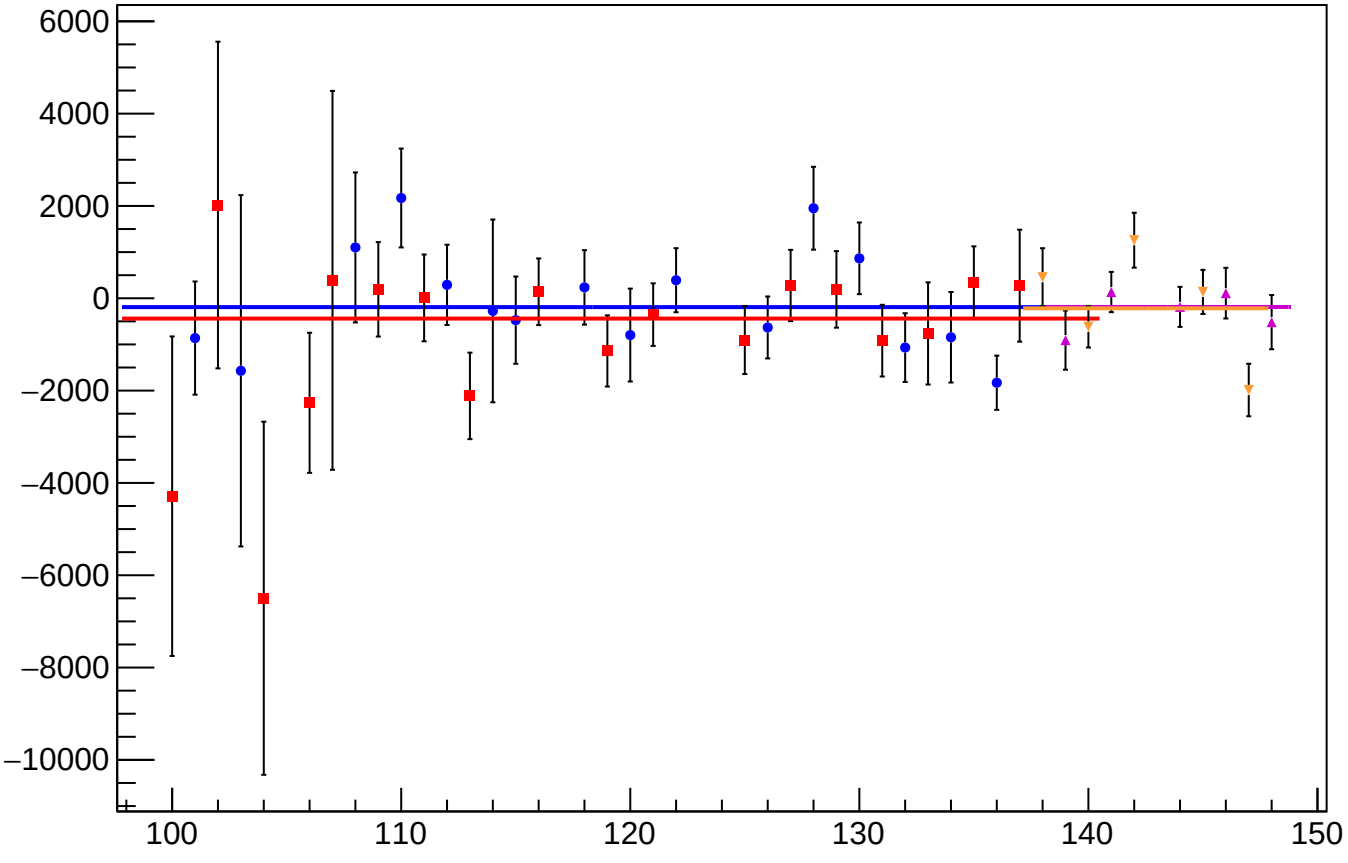
Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

+ sign 1196.101+/-0.258 χ^2/NDF: 349568.9/20

All: 1205.879+/-0.181 χ^2/NDF: 983124.1/43

- sign 1215.452+/-0.255 χ^2/NDF: 630707.0/22

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

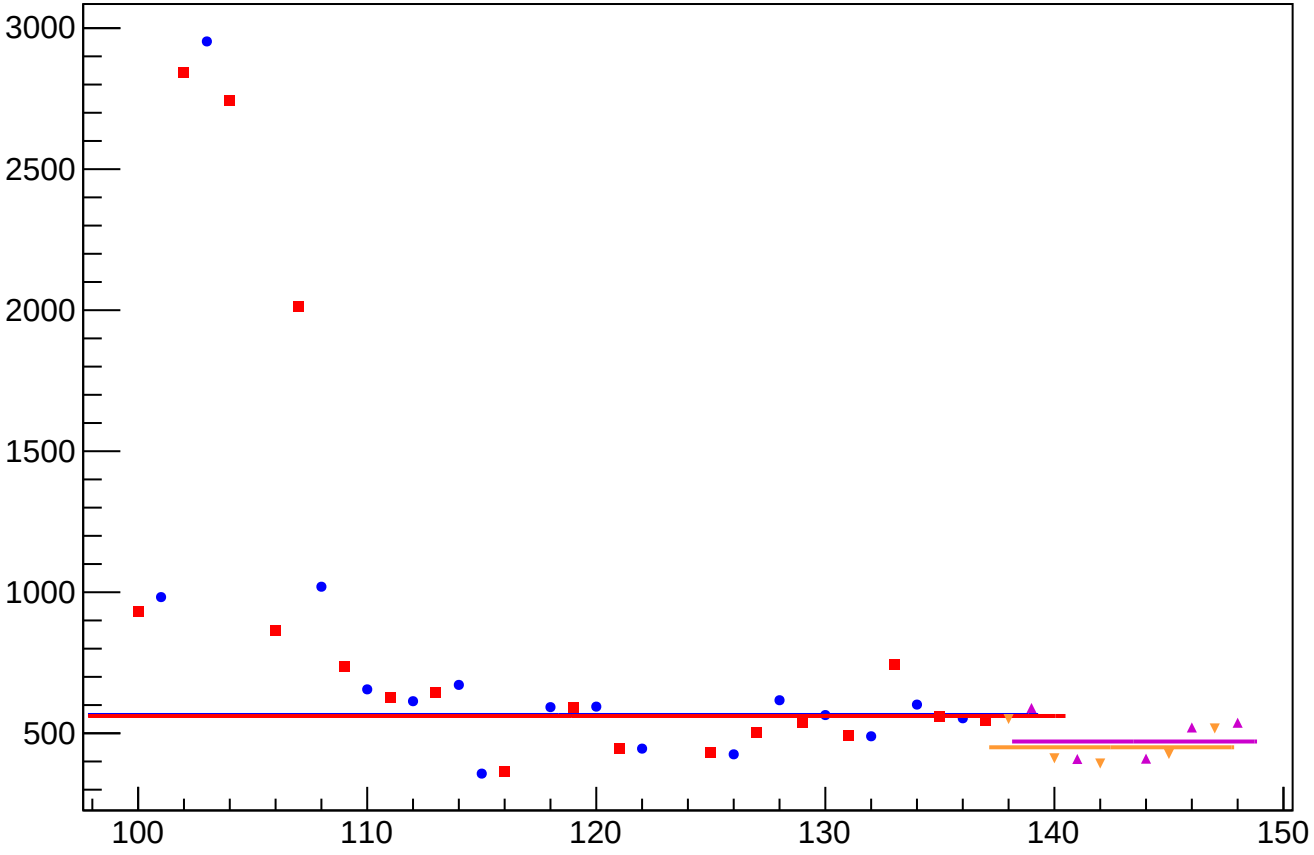
Left In: -188.138+/-228.075 χ^2/NDF:2.4/4

+ sign -203.876+/-162.354 χ^2/NDF: 43.6/20

All: -259.834+/-114.230 χ^2/NDF: 61.5/43

- sign -314.690+/-160.750 χ^2/NDF: 17.7/22

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

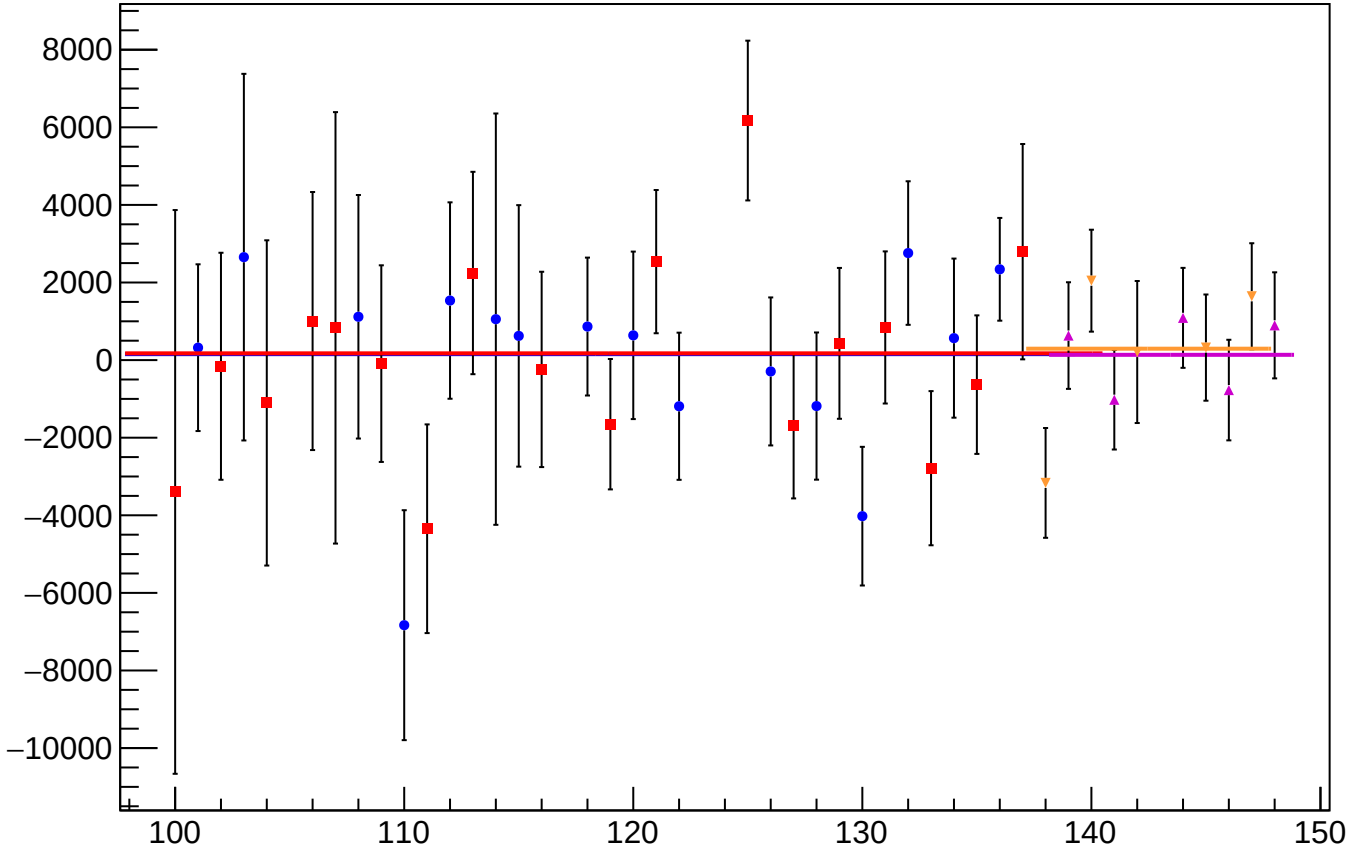
Left In: 470.780+/-0.161 χ^2/NDF:190412.0/4

\+ sign 511.160+/-0.115 χ^2/NDF: 1845584.2/20

All: 513.766+/-0.081 χ^2/NDF: 4468834.6/43

\- sign 516.320+/-0.114 χ^2/NDF: 2622230.3/22

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

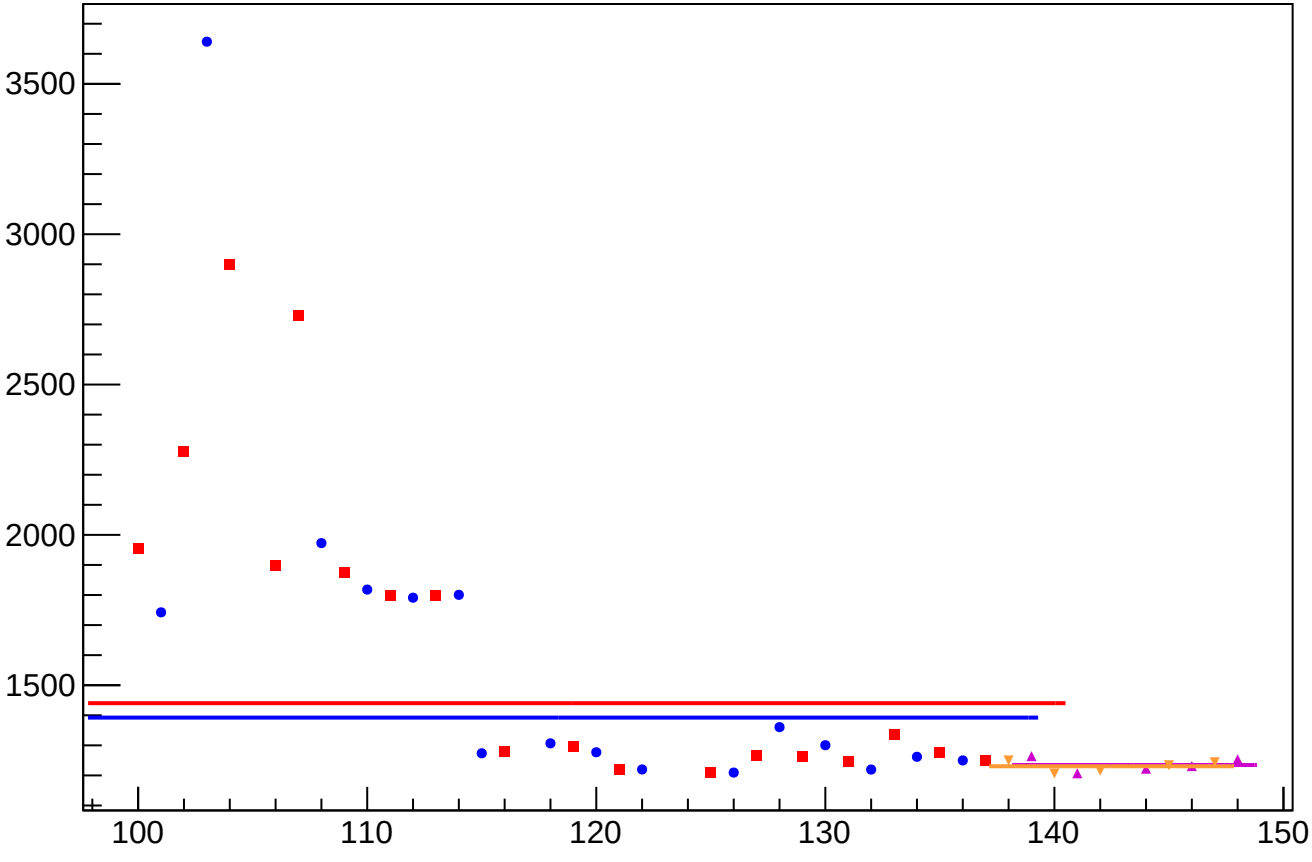
Left In: 135.958+/-590.309 χ^2/NDF:2.3/4

+ sign 210.978+/-408.993 χ^2/NDF: 26.5/20

All: 183.294+/-286.866 χ^2/NDF: 48.5/43

- sign 156.487+/-402.465 χ^2/NDF: 22.0/22

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

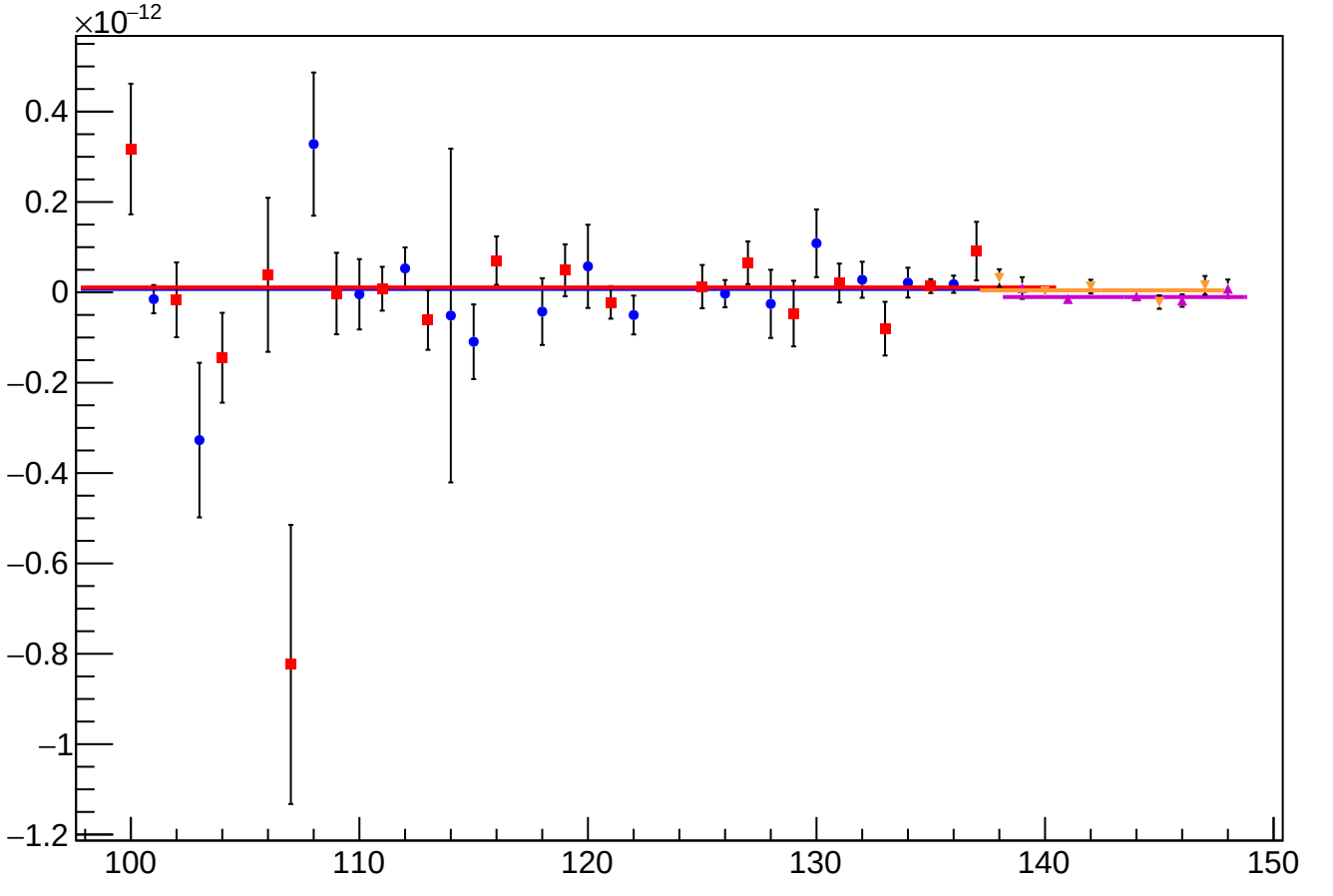
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1234.542+/-0.417 χ^2/NDF:2418.1/4

+ sign 1326.083+/-0.289 χ^2/NDF: 856304.0/20

All: 1335.498+/-0.203 χ^2/NDF: 1845635.3/43

- sign 1344.615+/-0.285 χ^2/NDF: 987245.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

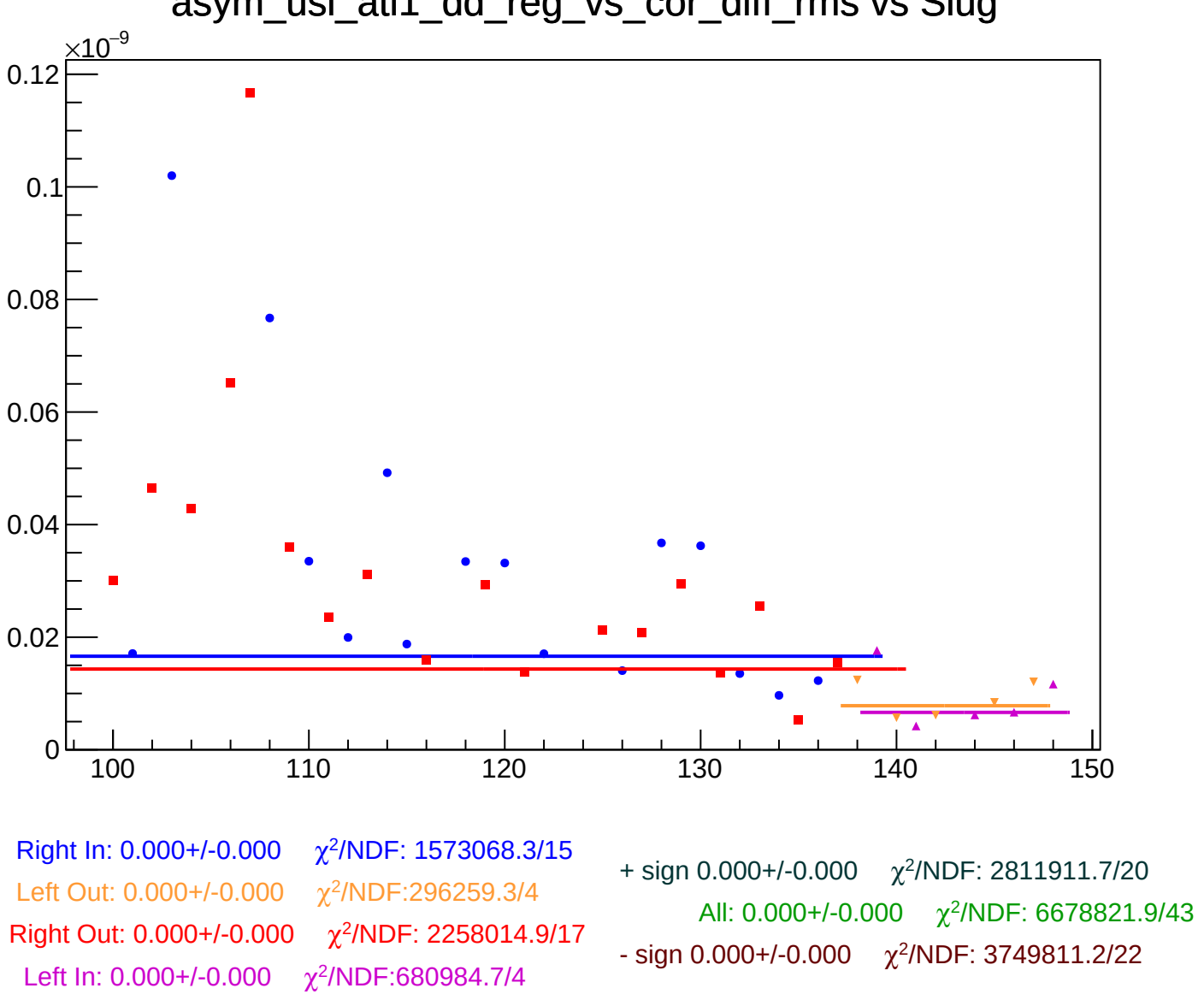
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

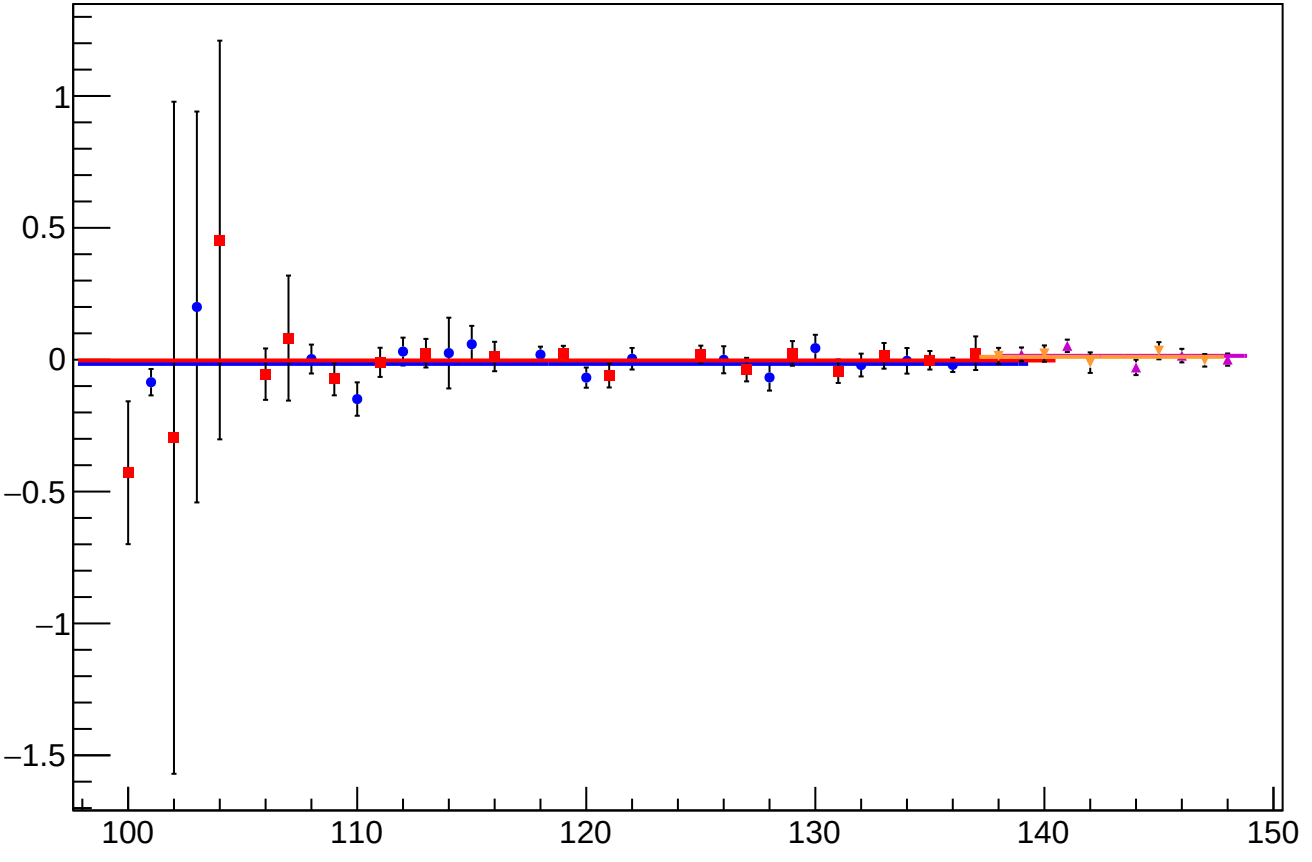
+ sign 0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 53.7/43

- sign -0.000+/-0.000 χ^2/NDF: 29.2/22


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1573068.3/15
Left Out: 0.000+/-0.000 χ²/NDF:296259.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2258014.9/17
Left In: 0.000+/-0.000 χ²/NDF:680984.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2811911.7/20
All: 0.000+/-0.000 χ²/NDF: 6678821.9/43
- sign 0.000+/-0.000 χ²/NDF: 3749811.2/22

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

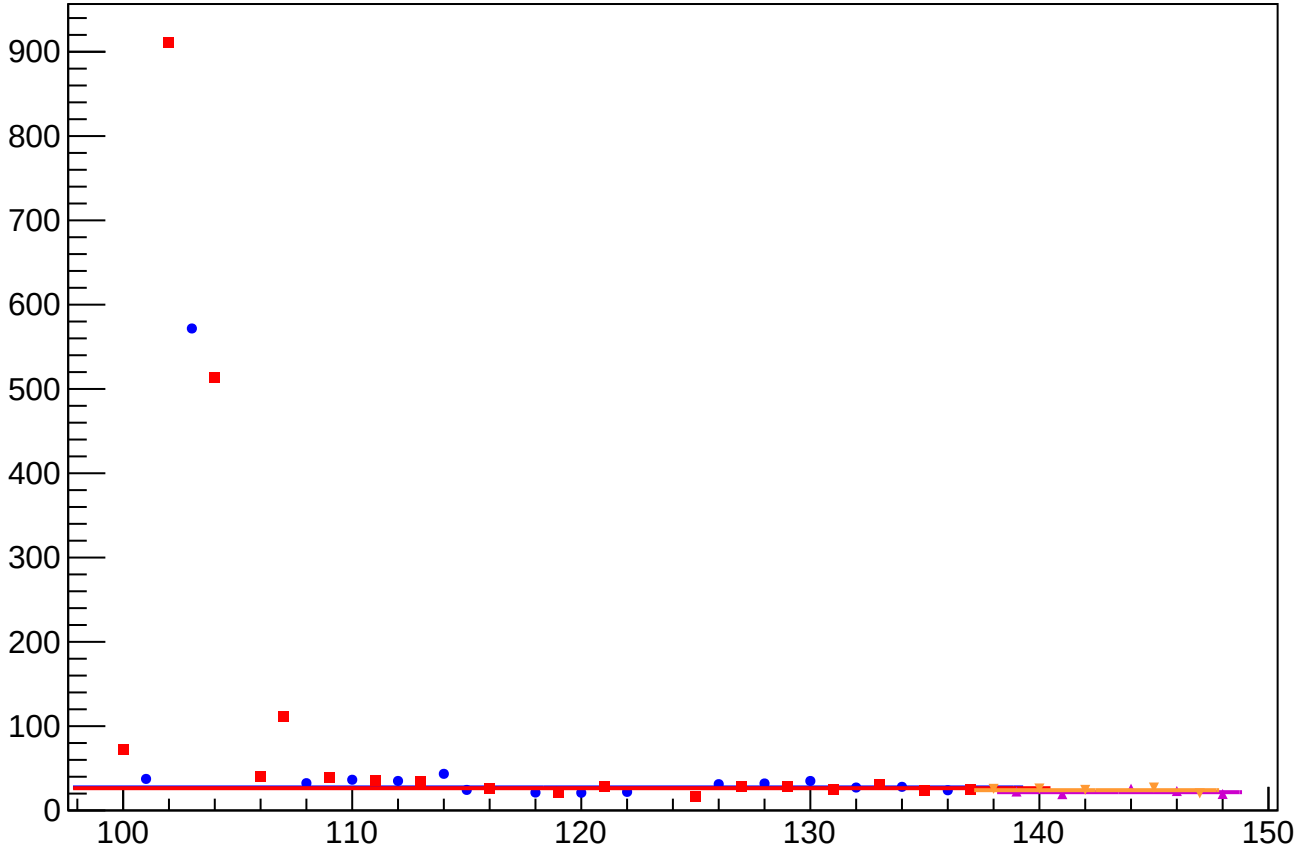
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/43

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22

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

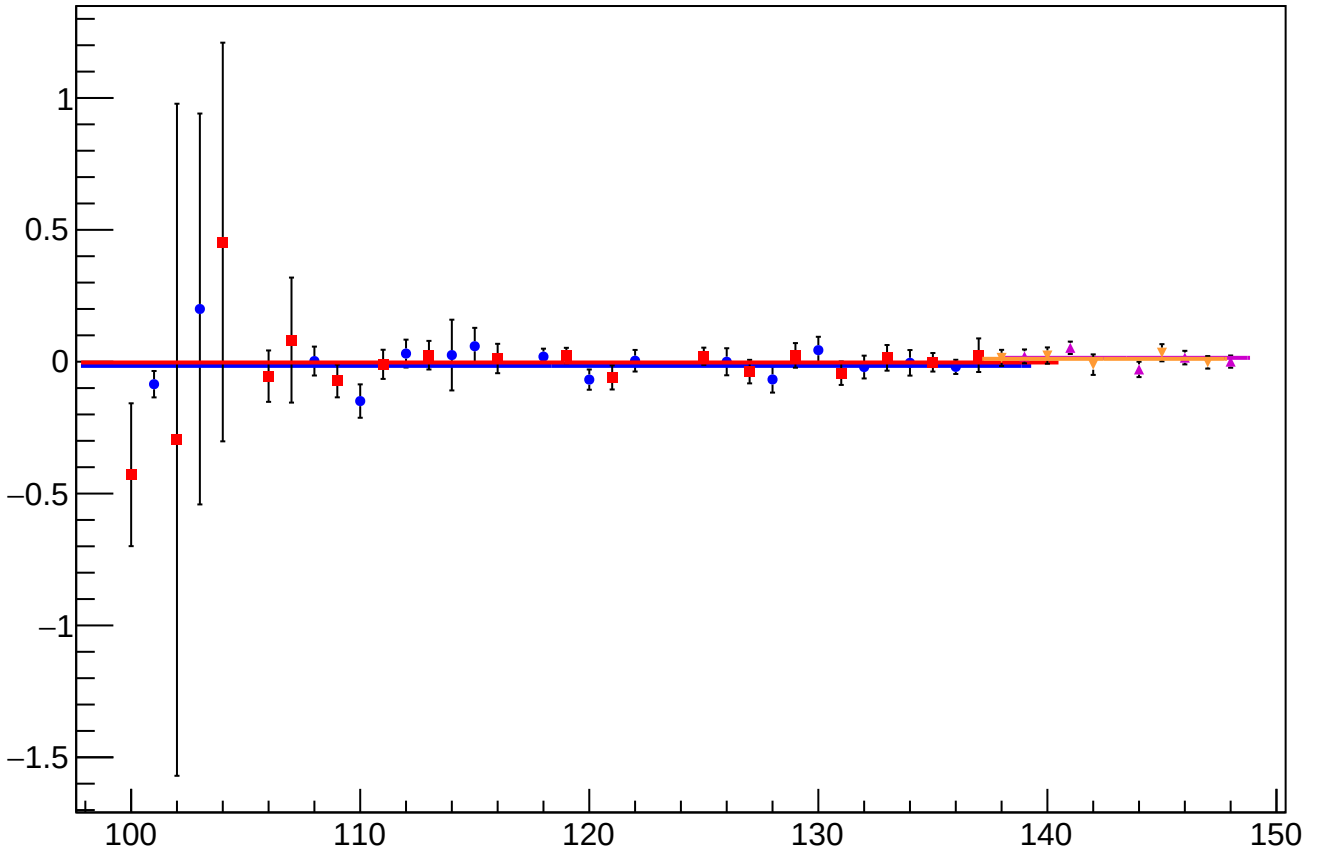
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

+ sign 25.928+/-0.006 χ^2/NDF: 1719864.4/20

All: 24.849+/-0.004 χ^2/NDF: 4638878.6/43

- sign 23.899+/-0.006 χ^2/NDF: 2862216.1/22



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

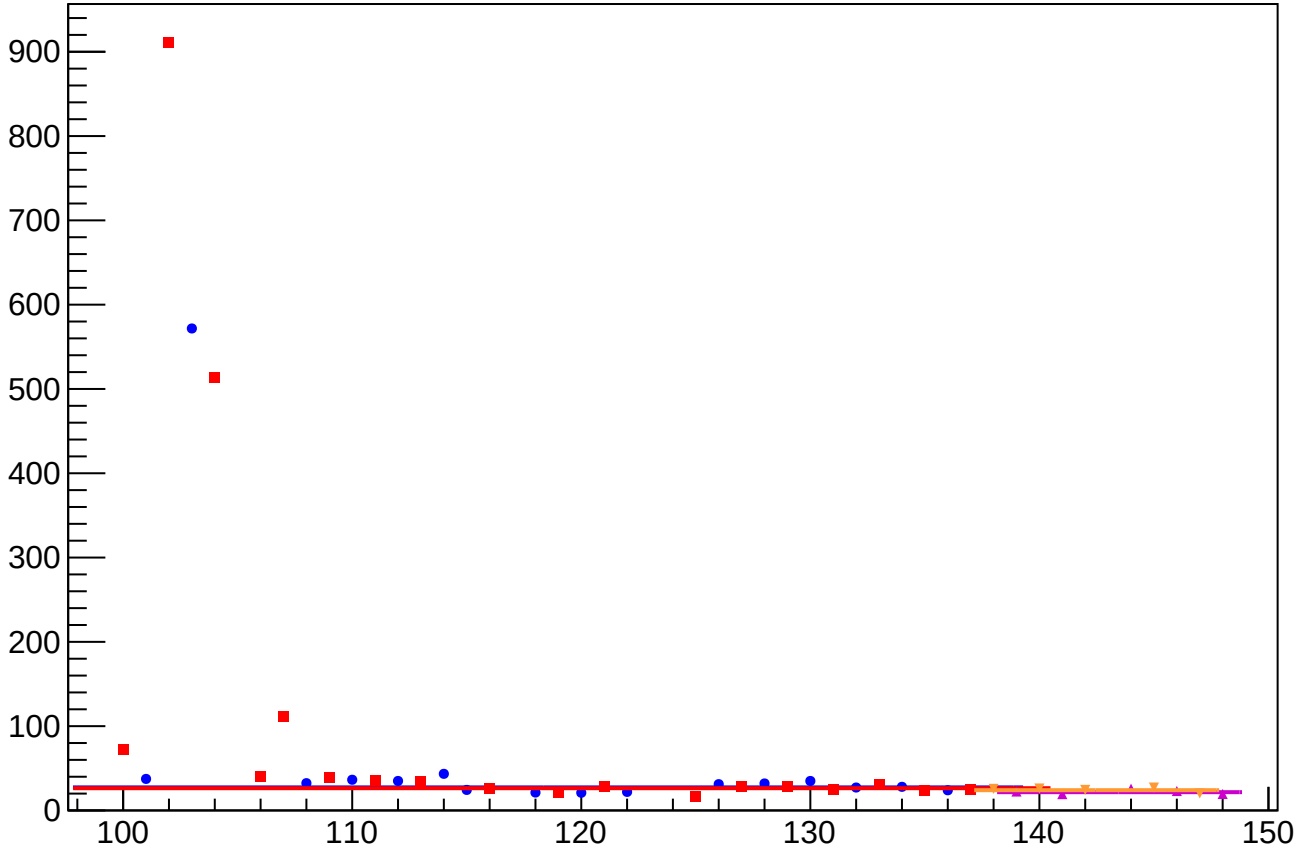
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/43

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22

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

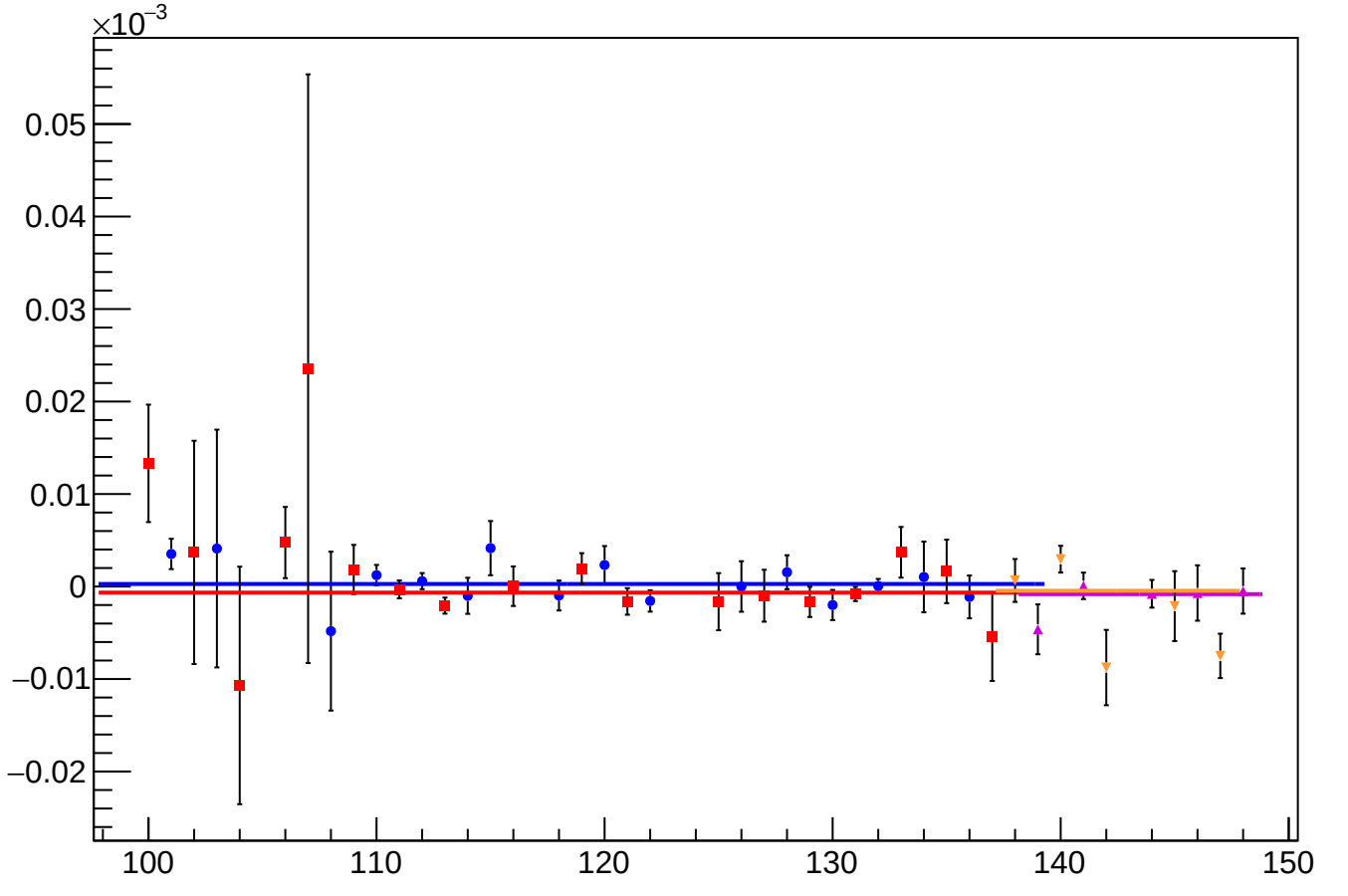
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

+ sign 25.928+/-0.006 χ^2/NDF: 1719864.4/20

All: 24.849+/-0.004 χ^2/NDF: 4638878.6/43

- sign 23.899+/-0.006 χ^2/NDF: 2862216.1/22



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

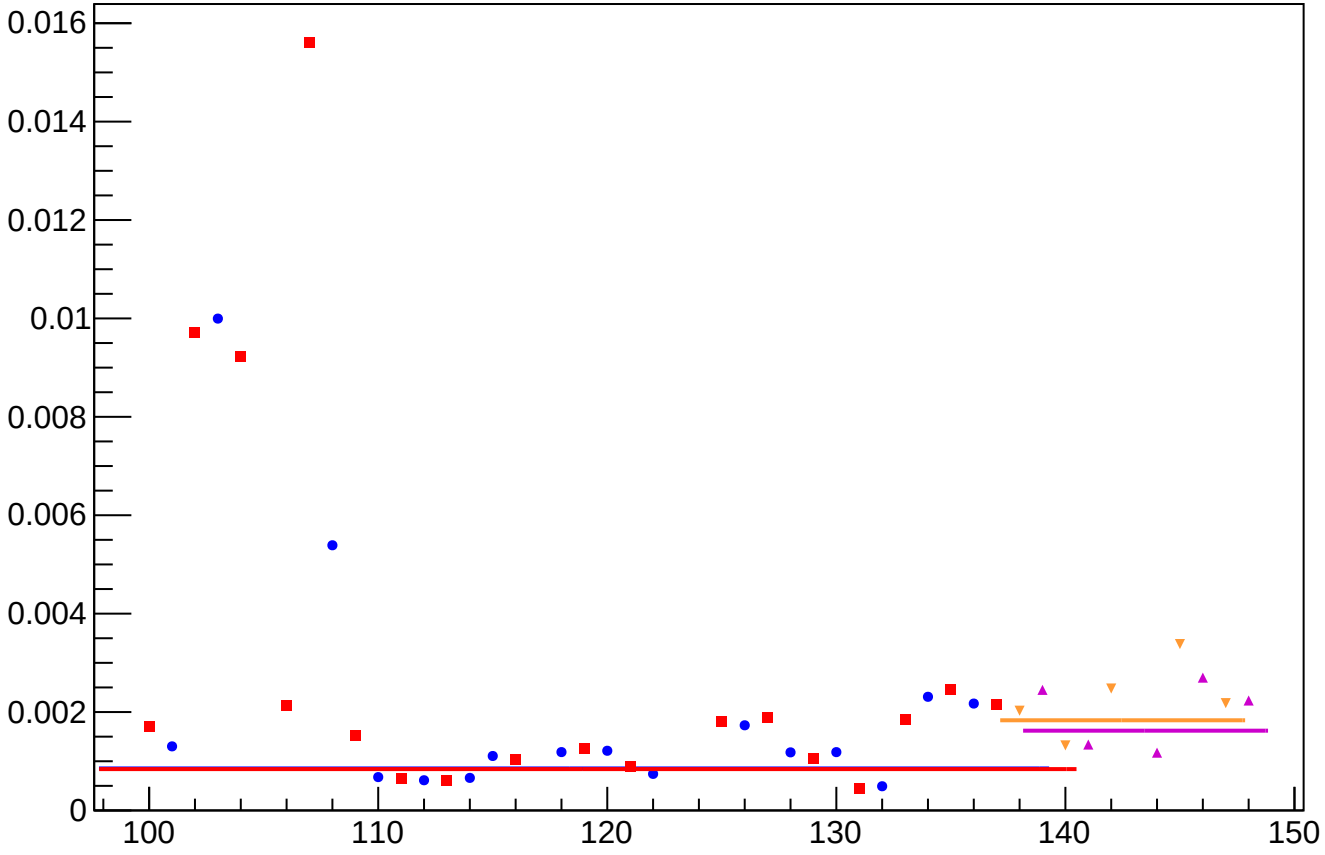
Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/20

All: -0.000+/-0.000 χ^2/NDF: 58.4/43

- sign -0.000+/-0.000 χ^2/NDF: 21.7/22

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

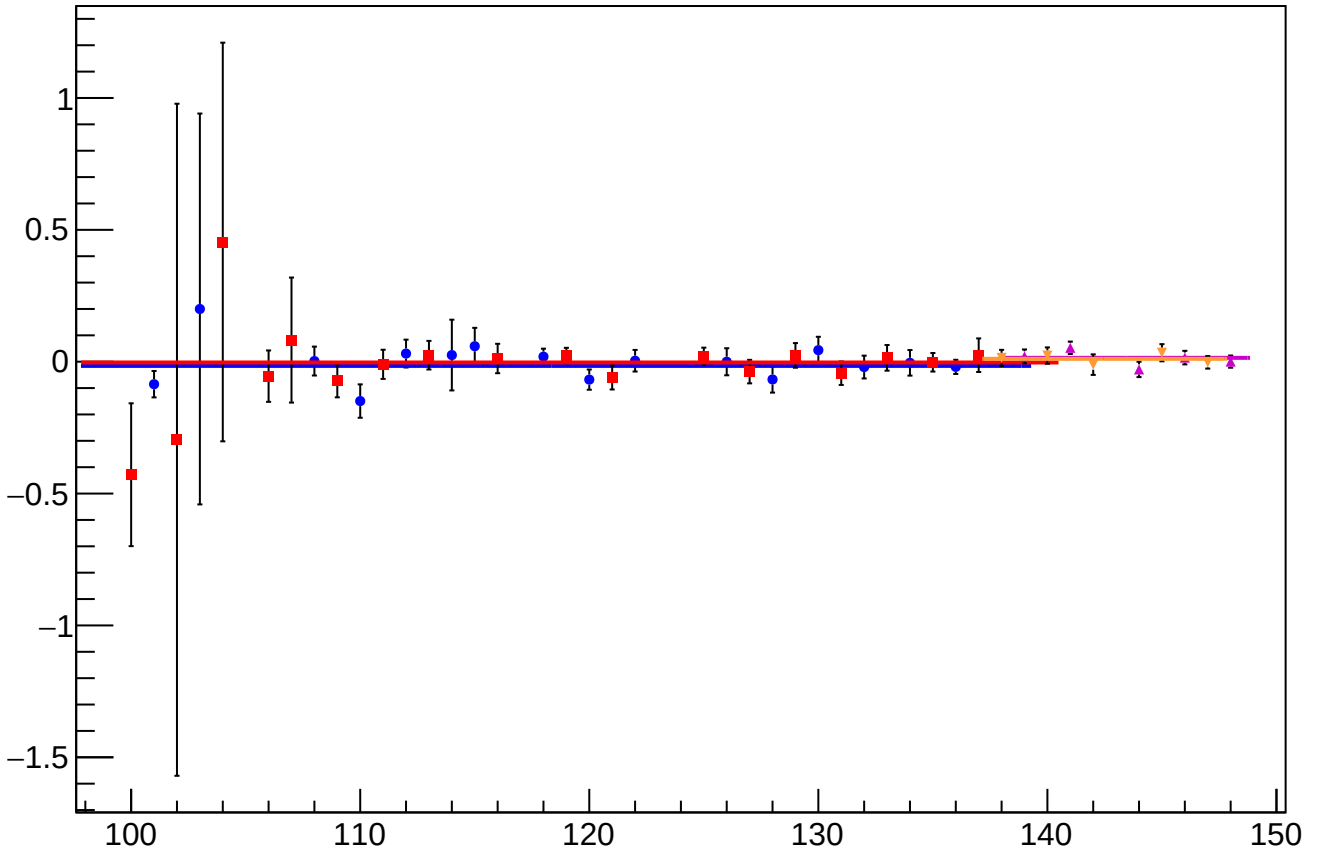
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:830009.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 6189117.3/20

All: 0.001+/-0.000 χ^2/NDF: 13415135.2/43

- sign 0.001+/-0.000 χ^2/NDF: 7225579.8/22



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.011+/-0.014 χ^2/NDF:1.3/4

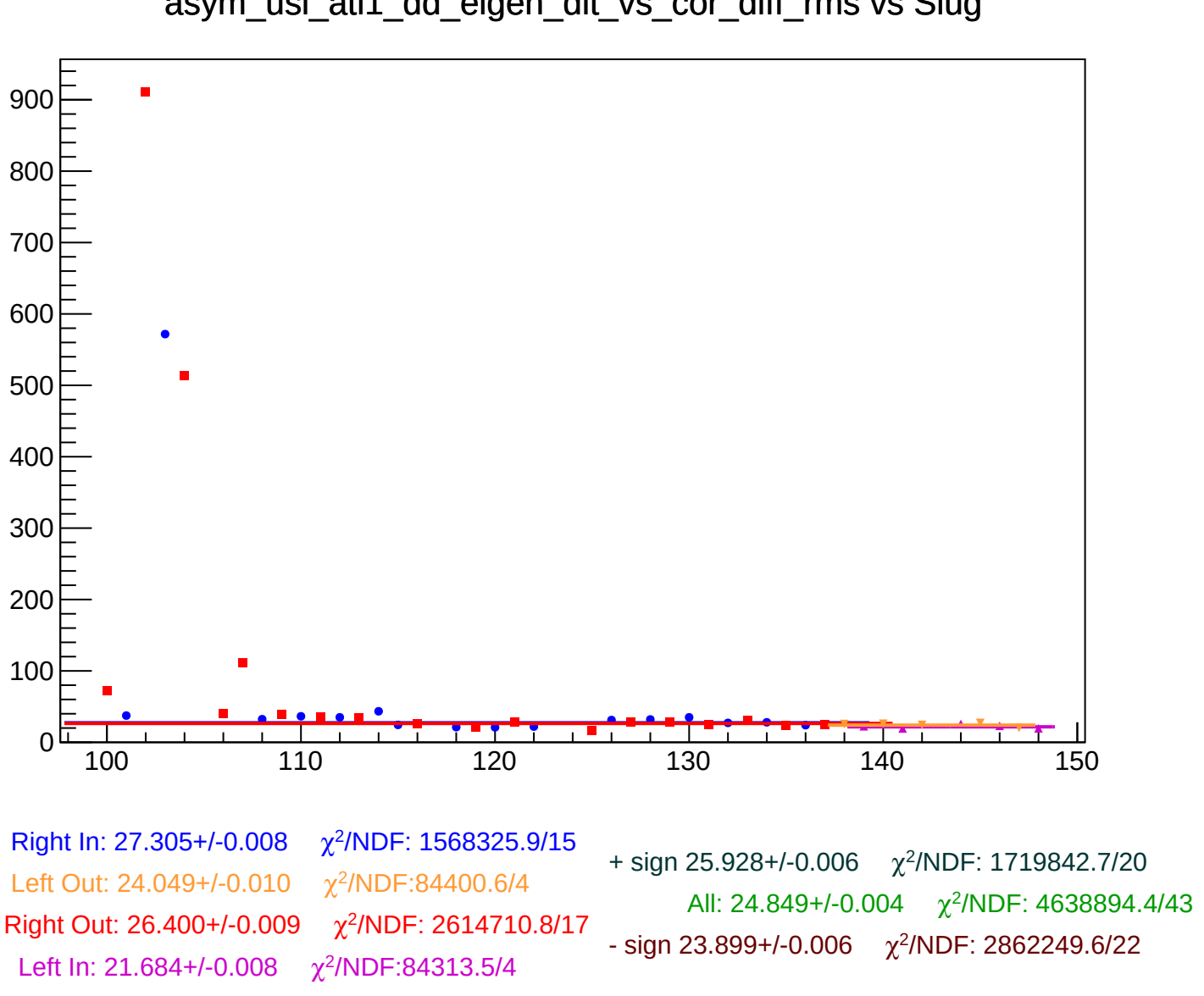
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

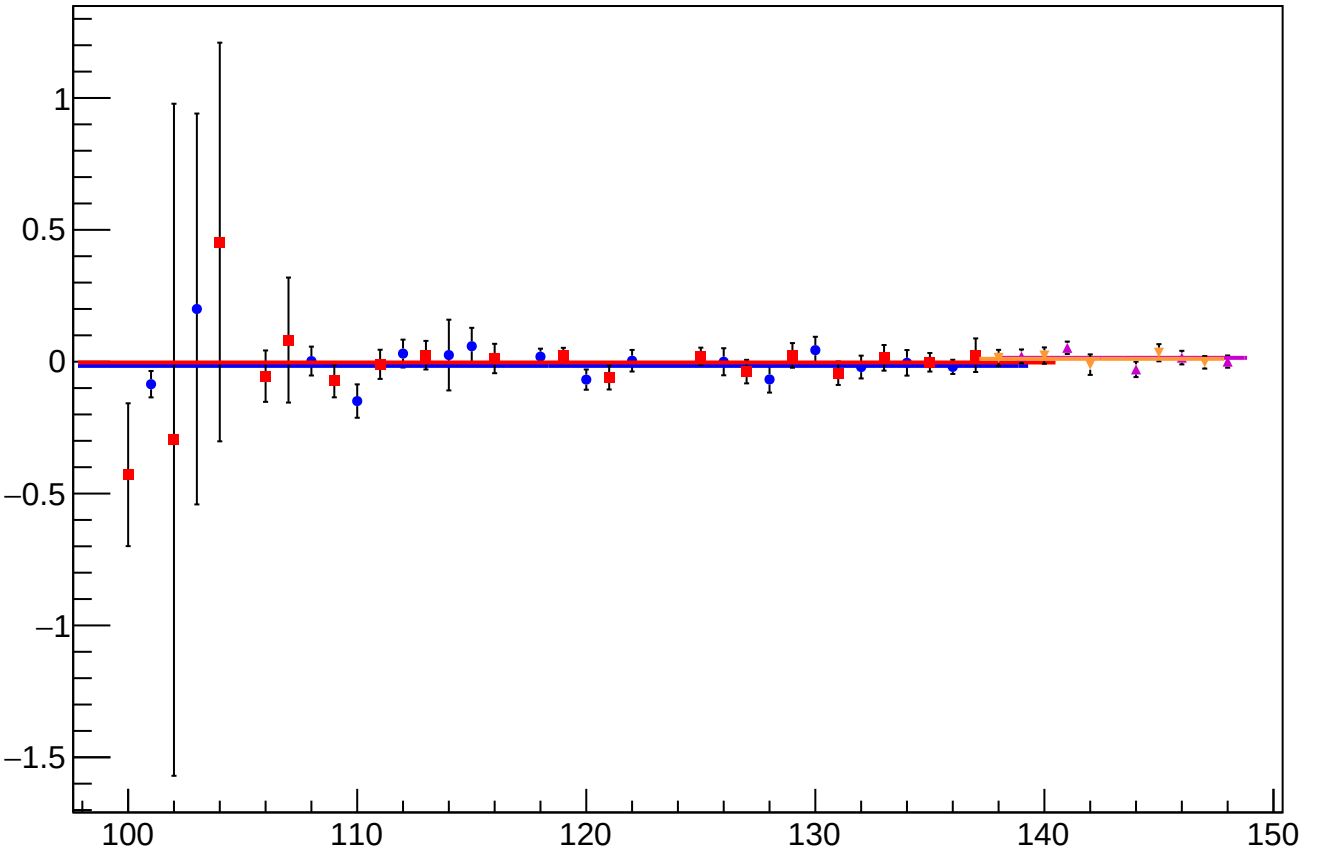
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/43

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 24.049+/-0.010 χ²/NDF:84400.6/4
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 21.684+/-0.008 χ²/NDF:84313.5/4
+ sign 25.928+/-0.006 χ²/NDF: 1719842.7/20
All: 24.849+/-0.004 χ²/NDF: 4638894.4/43
- sign 23.899+/-0.006 χ²/NDF: 2862249.6/22



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

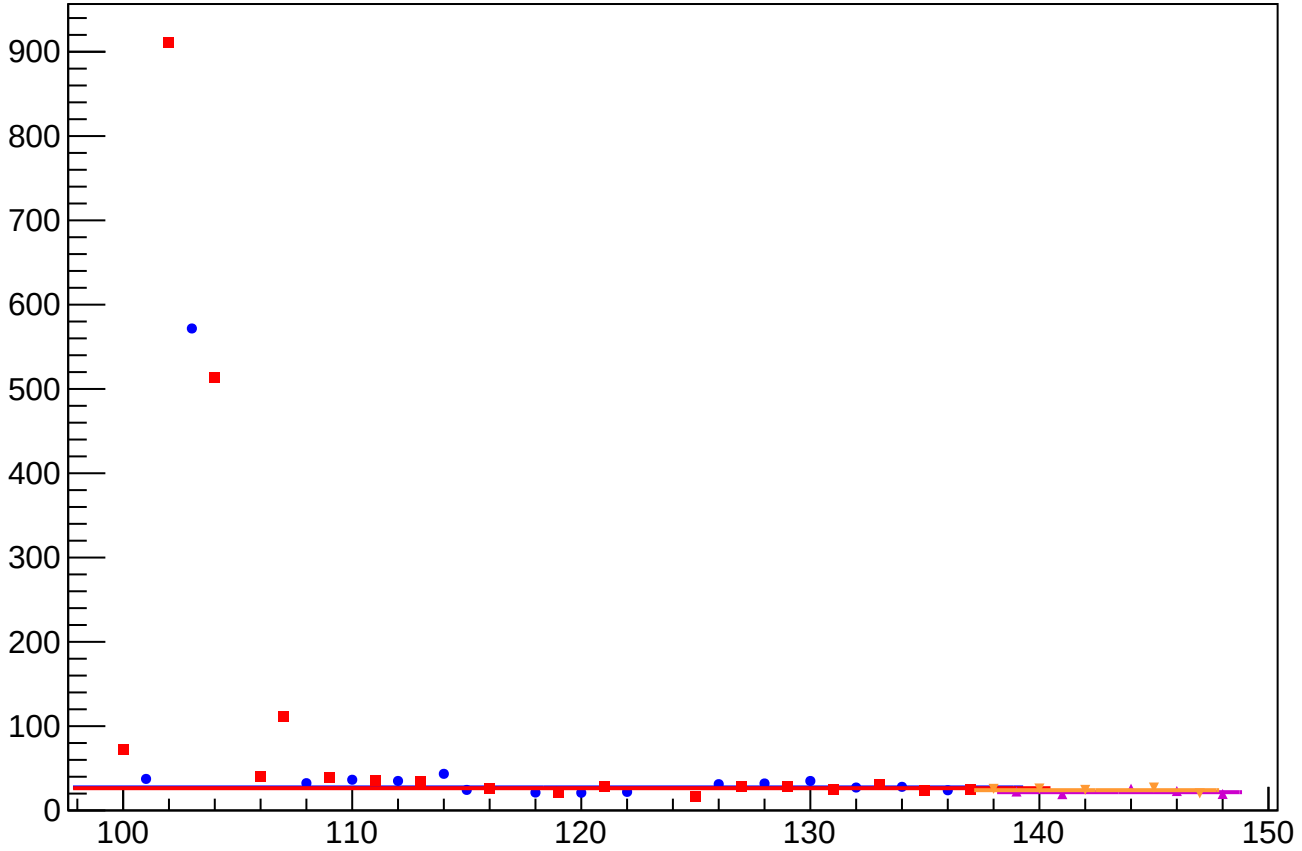
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.004+/-0.009 χ^2/NDF: 18.2/20

All: 0.001+/-0.006 χ^2/NDF: 35.4/43

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 24.049+/-0.010 χ^2/NDF:84400.6/4

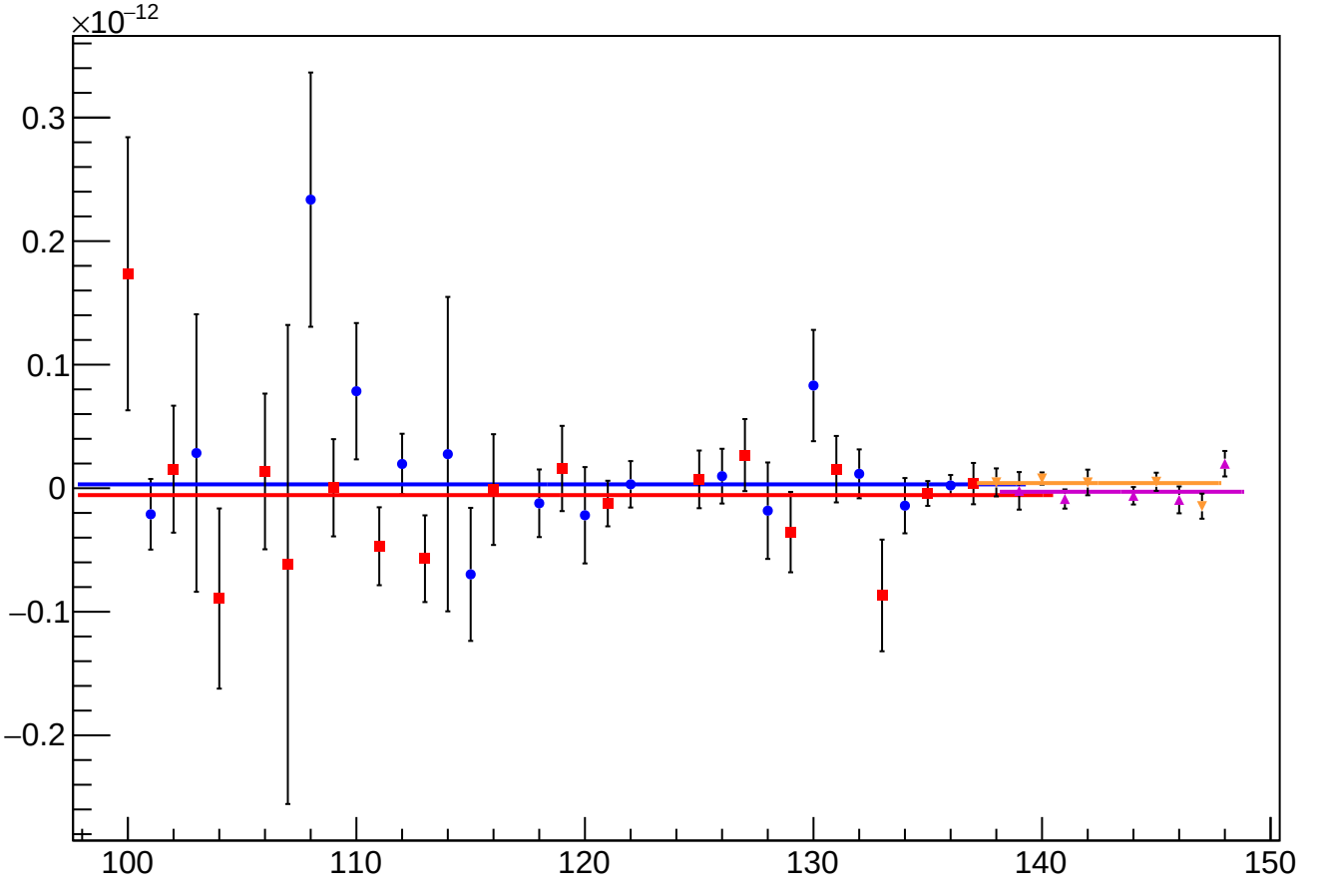
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

+ sign 25.928+/-0.006 χ^2/NDF: 1719842.7/20

All: 24.849+/-0.004 χ^2/NDF: 4638894.4/43

- sign 23.899+/-0.006 χ^2/NDF: 2862249.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

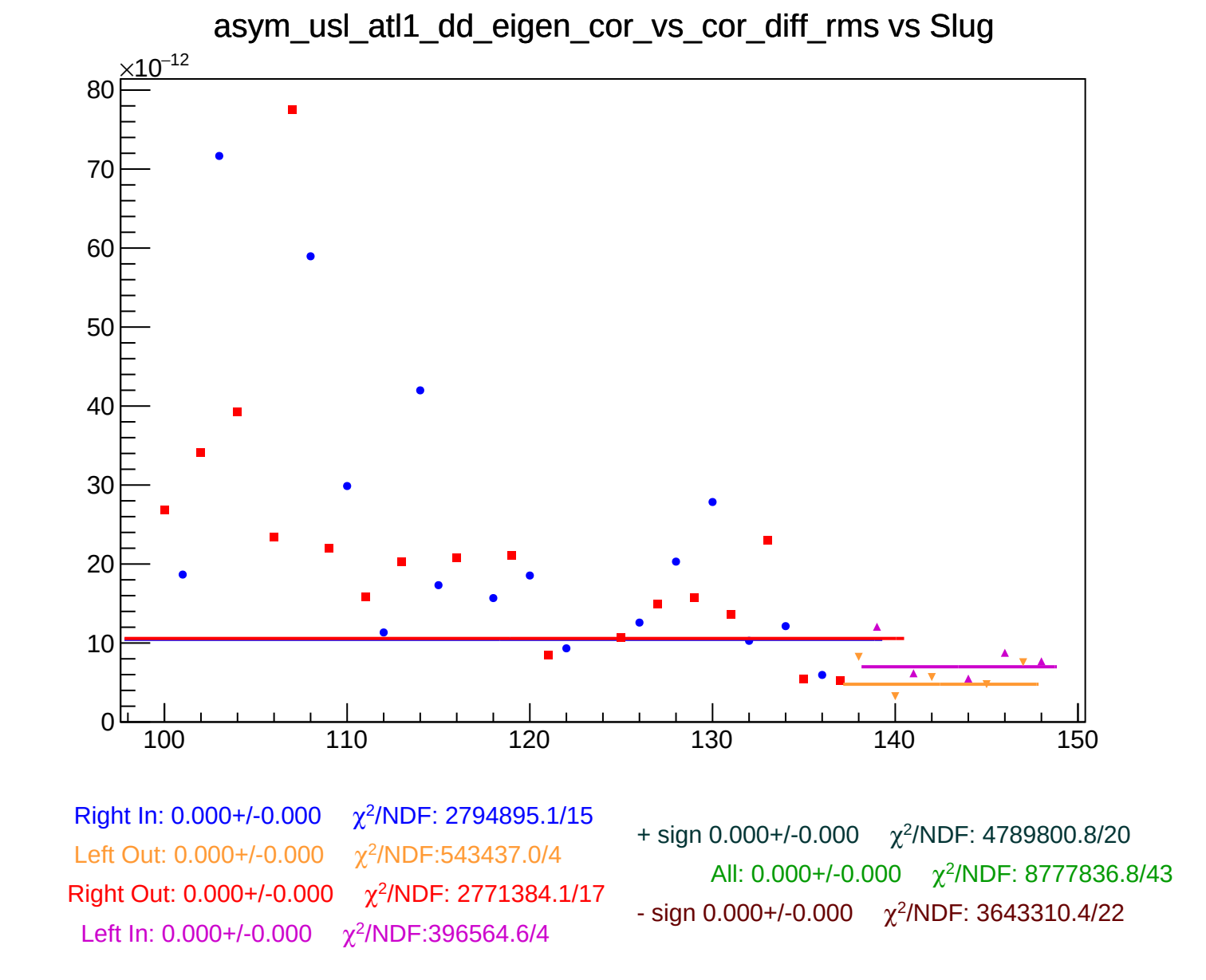
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

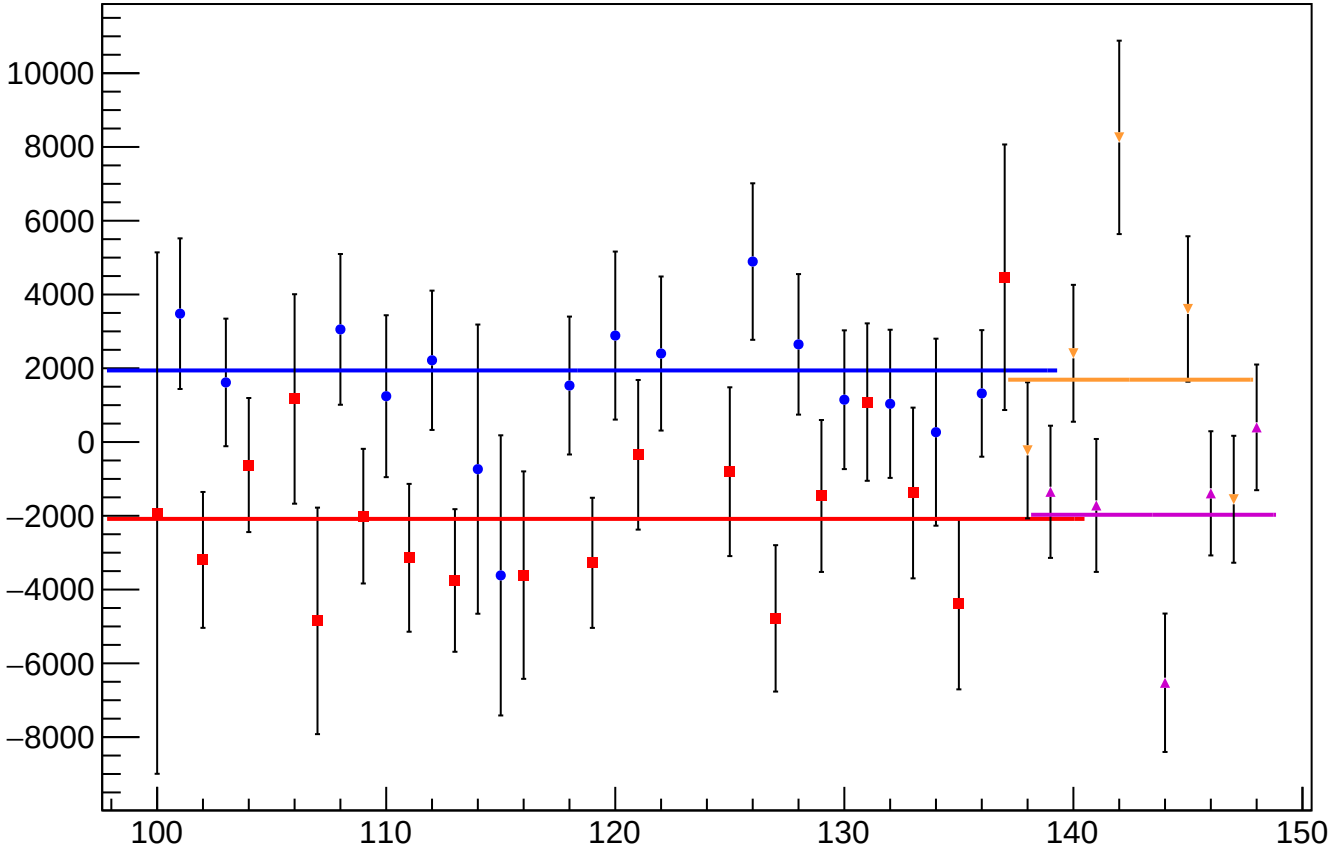
+ sign 0.000+/-0.000 χ^2/NDF: 19.1/20

All: 0.000+/-0.000 χ^2/NDF: 43.3/43

- sign -0.000+/-0.000 χ^2/NDF: 21.4/22


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:543437.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:396564.6/4
+ sign 0.000+/-0.000 χ²/NDF: 4789800.8/20
All: 0.000+/-0.000 χ²/NDF: 8777836.8/43
- sign 0.000+/-0.000 χ²/NDF: 3643310.4/22

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

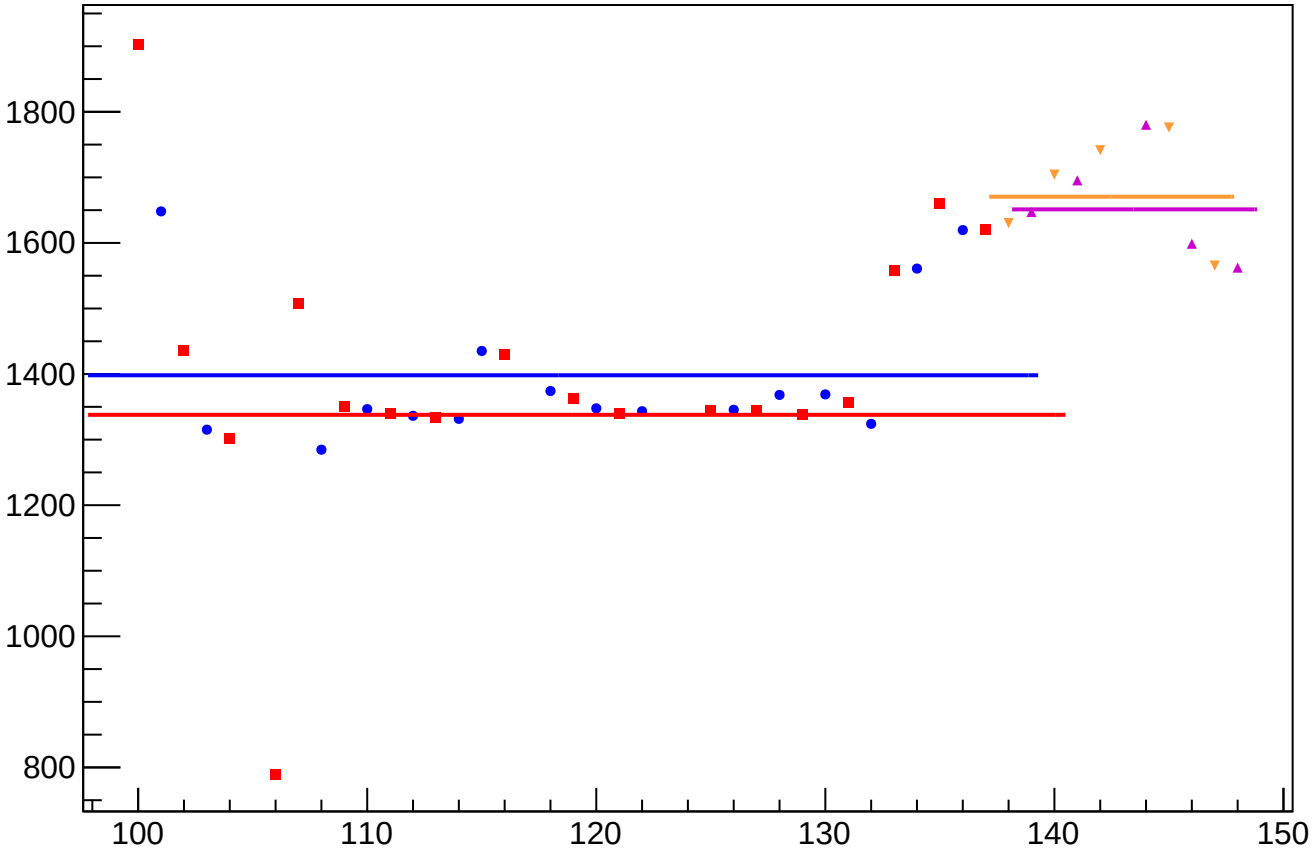
Left In: -1972.084+/-790.410 χ^2/NDF:8.1/4

+ sign 1874.394+/-447.583 χ^2/NDF: 19.0/20

All: -147.561+/-311.641 χ^2/NDF: 81.2/43

- sign -2050.197+/-434.176 χ^2/NDF: 22.6/22

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

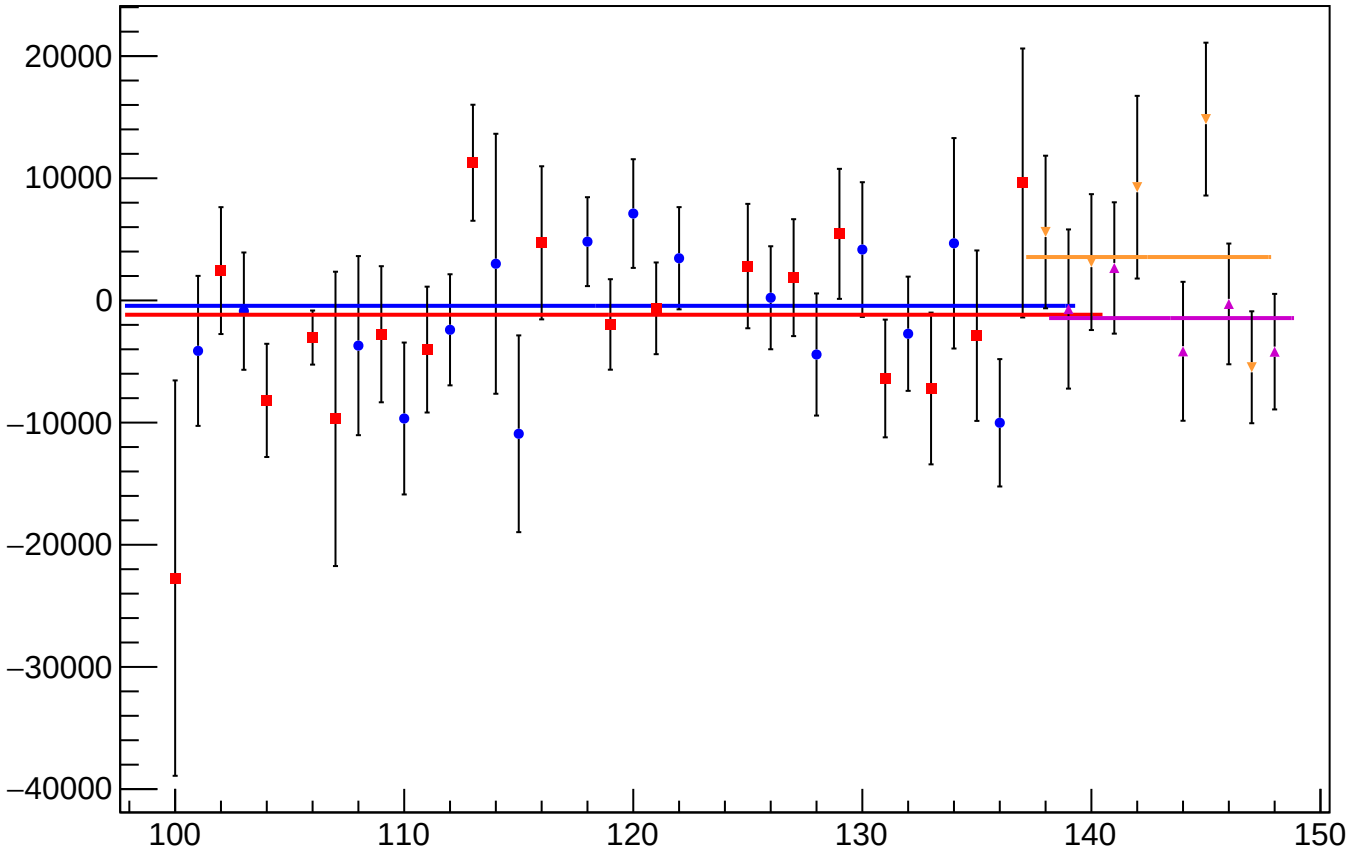
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.8/20

All: 1448.205+/-0.218 χ^2/NDF: 823340.8/43

- sign 1428.226+/-0.300 χ^2/NDF: 559476.3/22



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

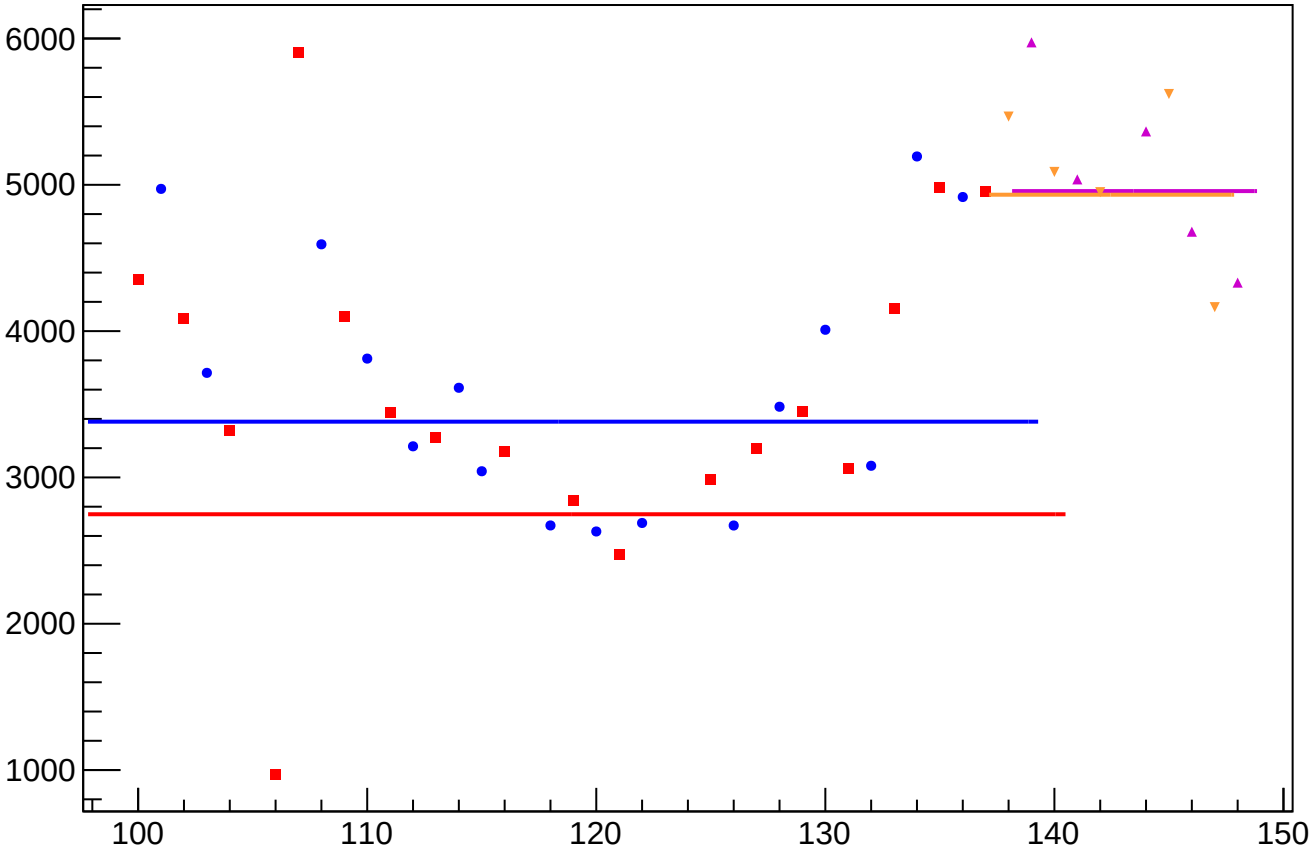
Left In: -1445.063+/-2392.081 χ^2/NDF:1.2/4

+ sign 358.337+/-1158.945 χ^2/NDF: 25.6/20

All: -535.870+/-763.241 χ^2/NDF: 47.6/43

- sign -1220.719+/-1014.242 χ^2/NDF: 20.9/22

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

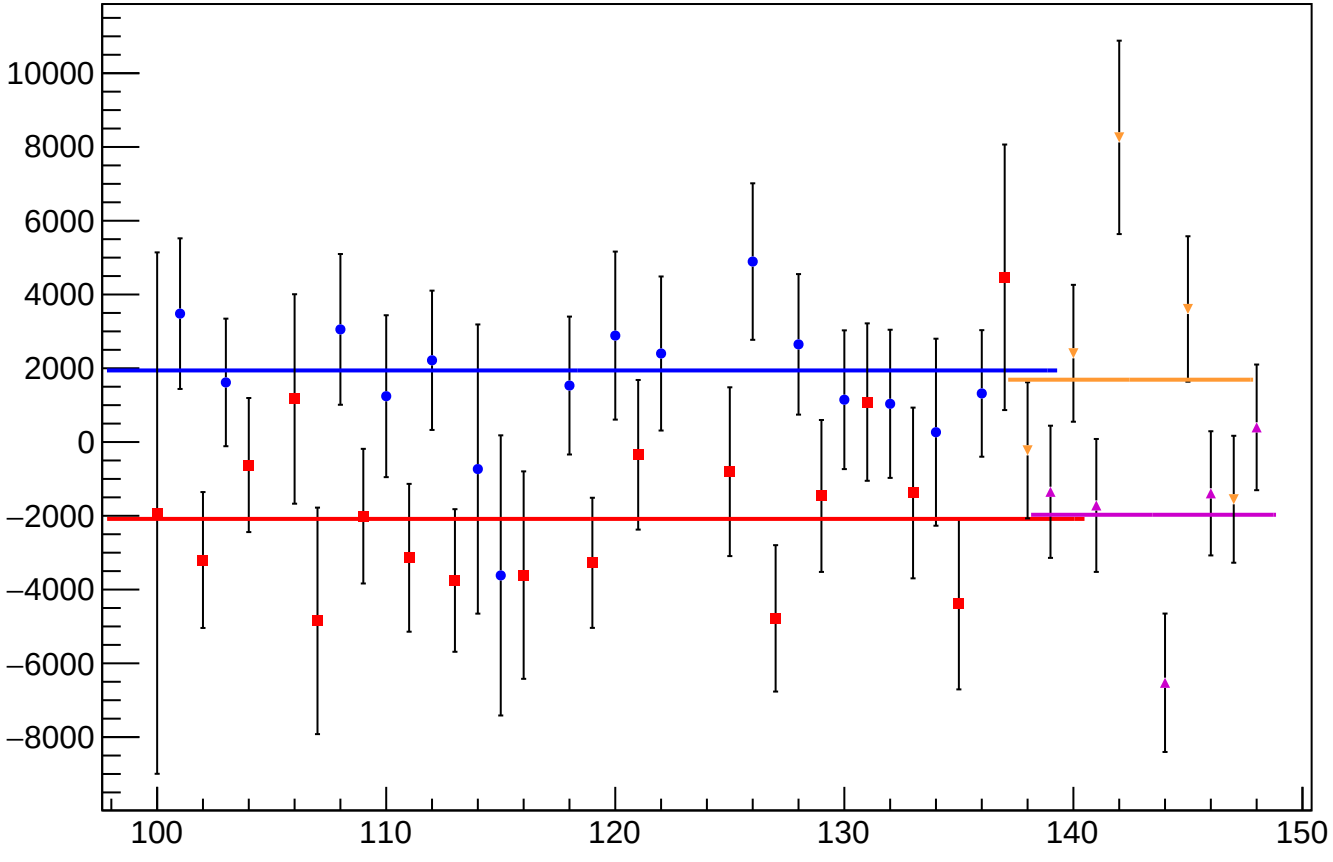
Left In: 4957.111+/-1.691 χ^2/NDF:100745.8/4

+ sign 3691.702+/-0.819 χ^2/NDF: 1427635.3/20

All: 3382.364+/-0.540 χ^2/NDF: 5443176.5/43

- sign 3145.450+/-0.717 χ^2/NDF: 3763929.3/22

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

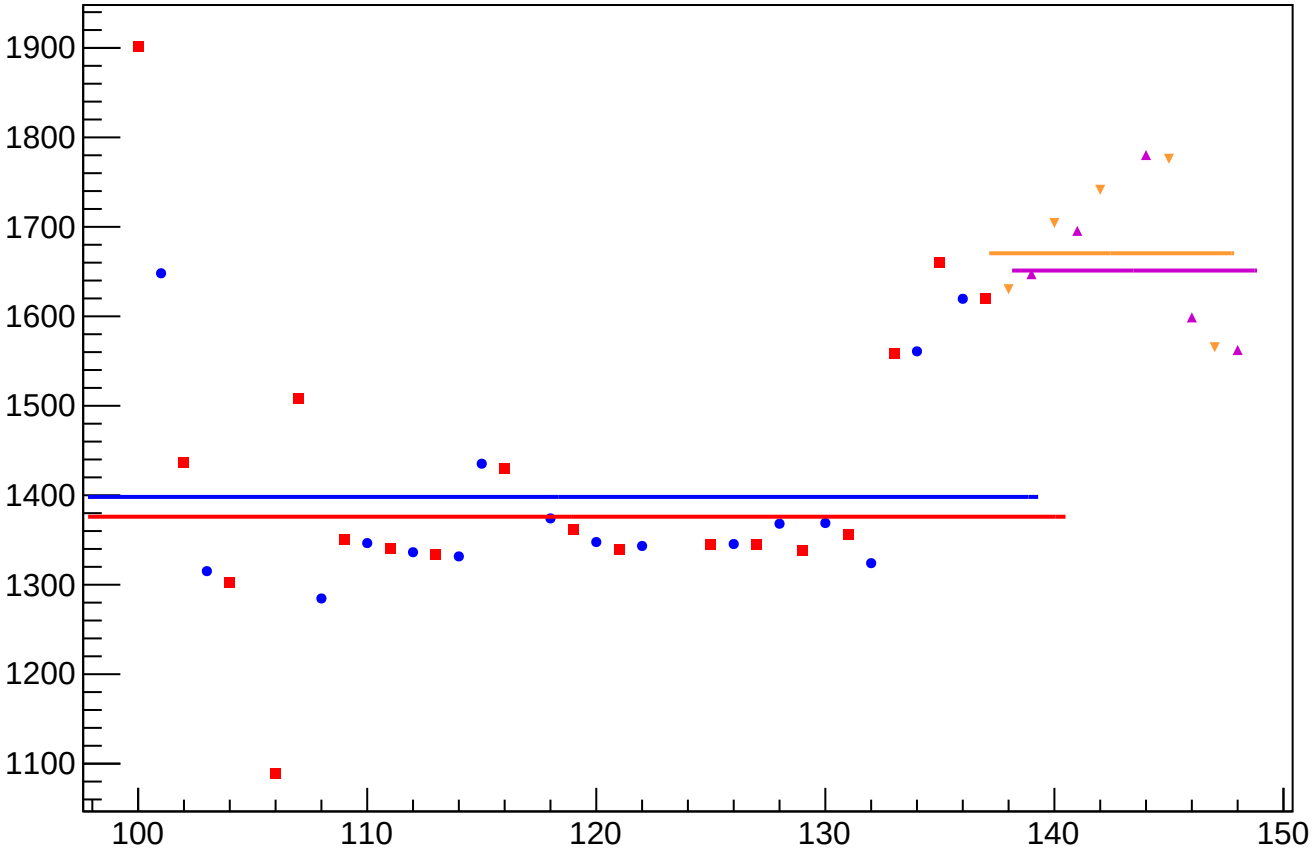
Left In: -1972.141+/-790.410 χ^2/NDF:8.1/4

+ sign 1874.488+/-447.583 χ^2/NDF: 19.0/20

All: -147.593+/-311.641 χ^2/NDF: 81.2/43

- sign -2050.364+/-434.178 χ^2/NDF: 22.6/22

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

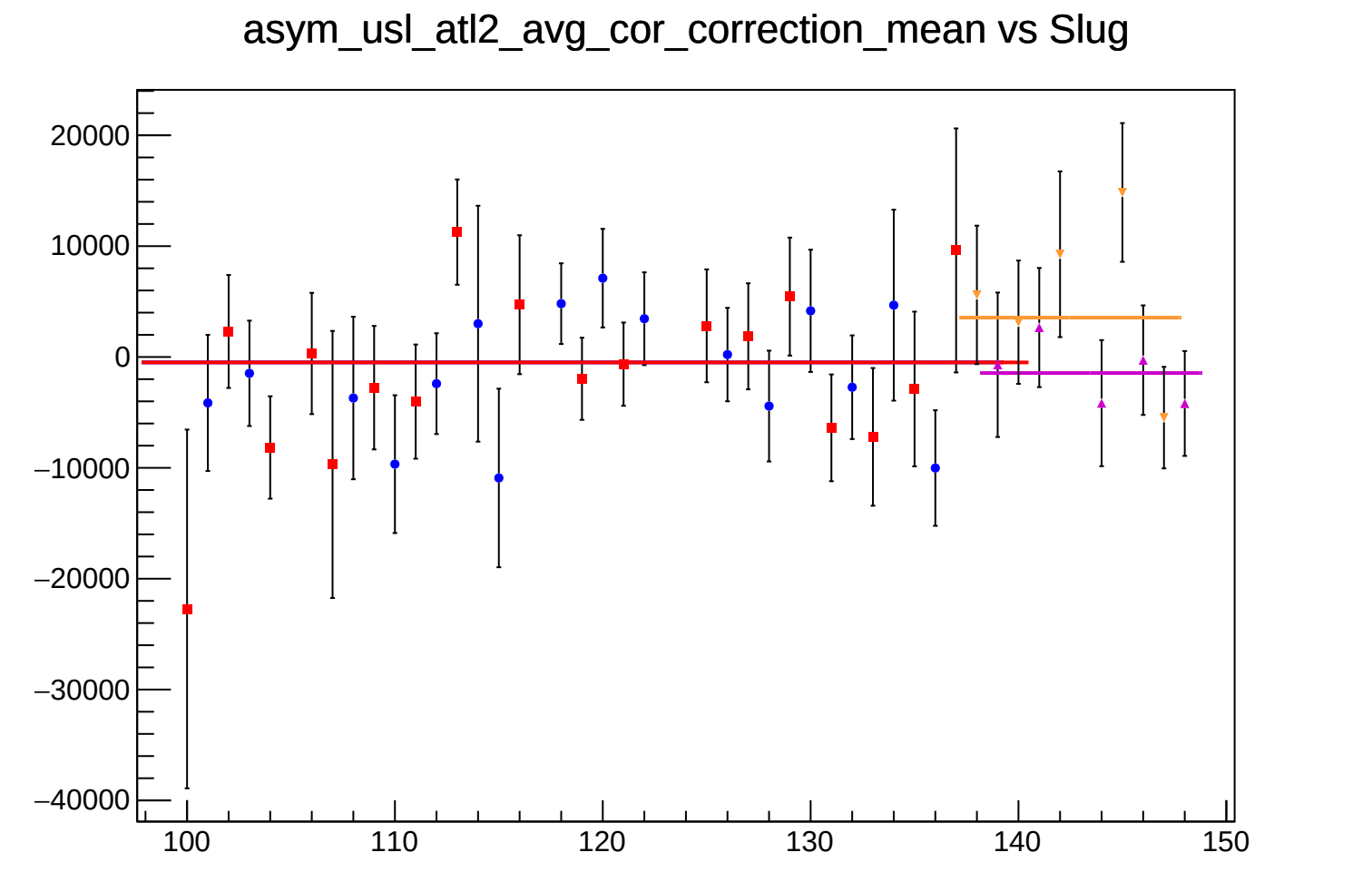
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.9/20

All: 1463.700+/-0.219 χ^2/NDF: 558070.9/43

- sign 1457.502+/-0.304 χ^2/NDF: 302693.2/22



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

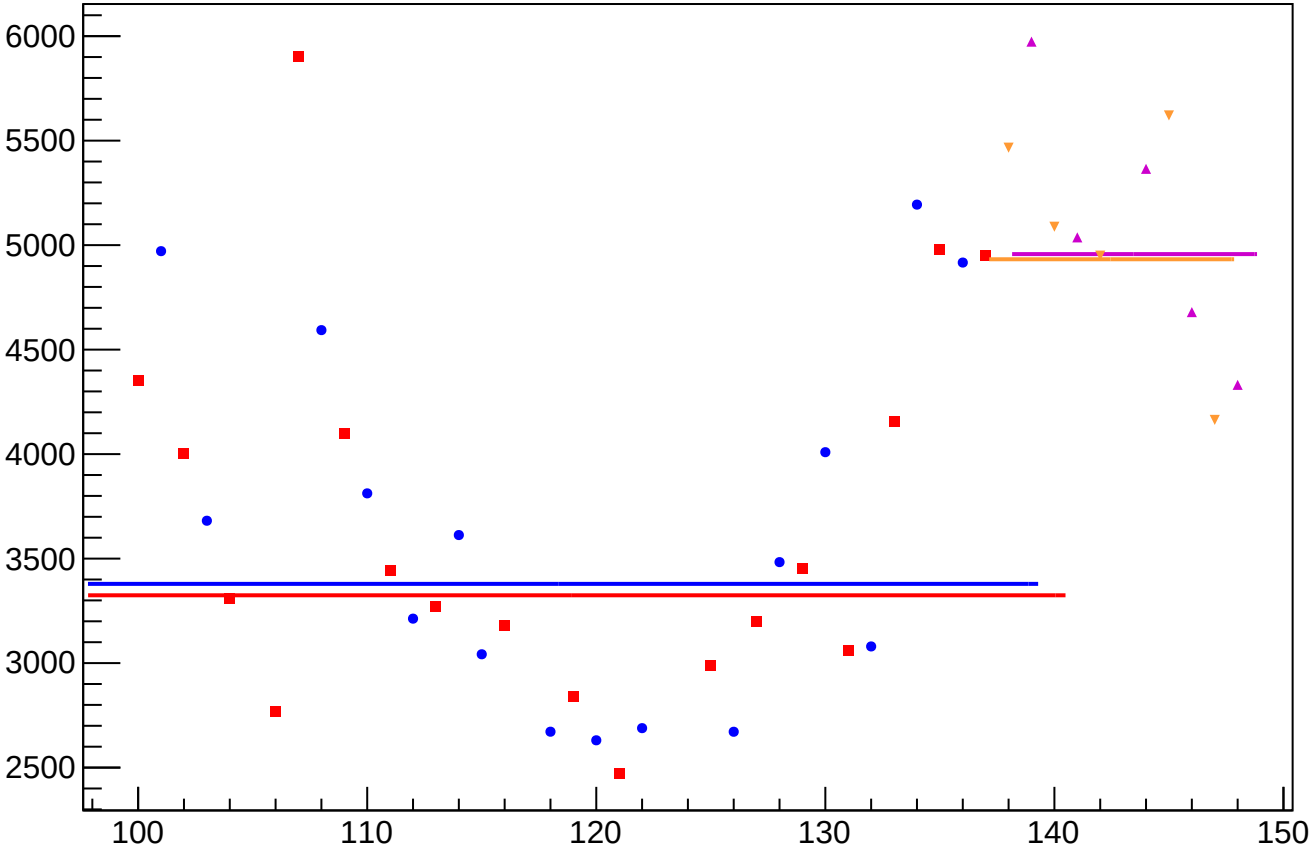
Left In: -1445.055+/-2392.079 χ^2/NDF:1.2/4

+ sign 321.046+/-1158.240 χ^2/NDF: 25.7/20

All: -206.838+/-803.542 χ^2/NDF: 46.2/43

- sign -696.670+/-1115.713 χ^2/NDF: 20.1/22

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

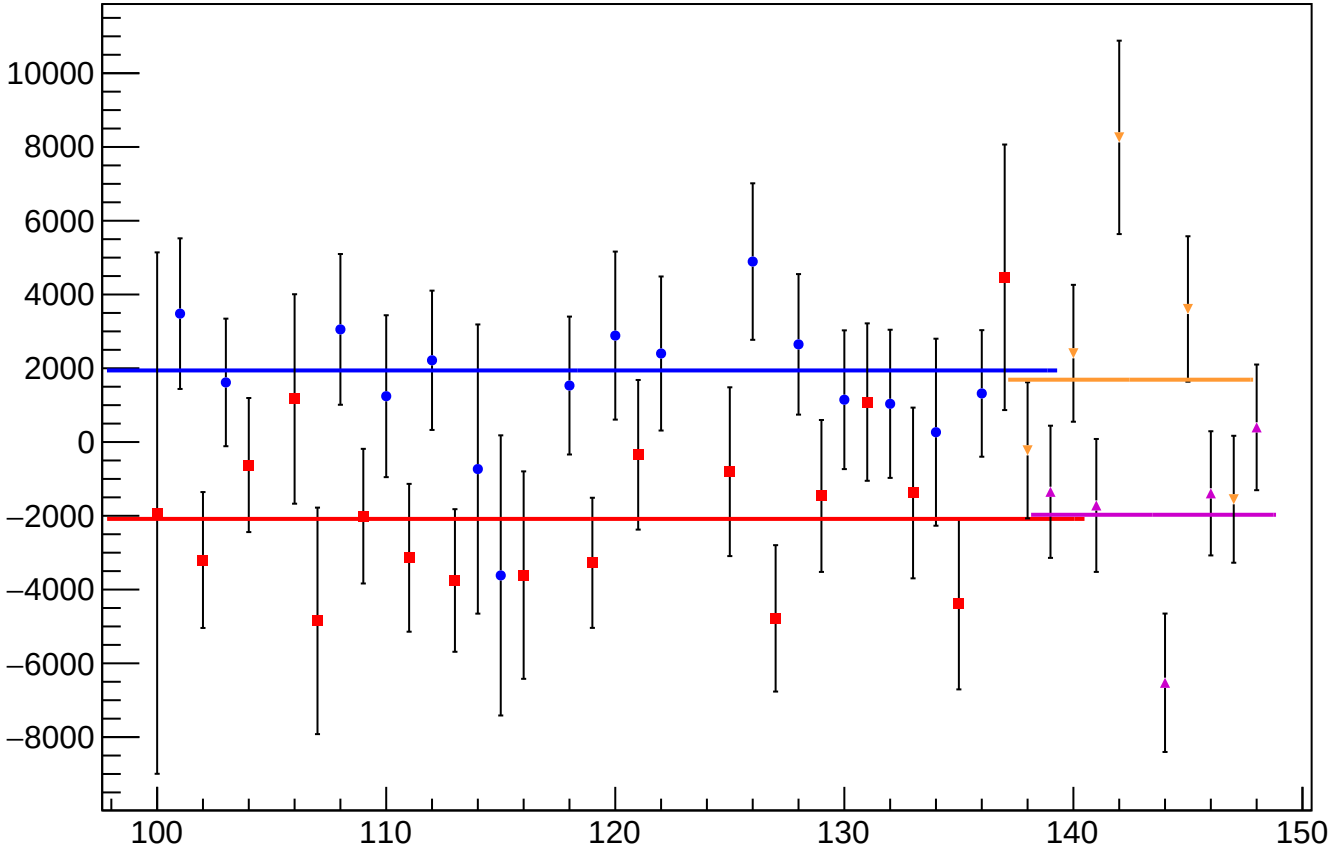
Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

+ sign 3689.719+/-0.819 χ^2/NDF: 1427490.7/20

All: 3684.486+/-0.568 χ^2/NDF: 2801127.5/43

- sign 3679.630+/-0.789 χ^2/NDF: 1373558.0/22

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

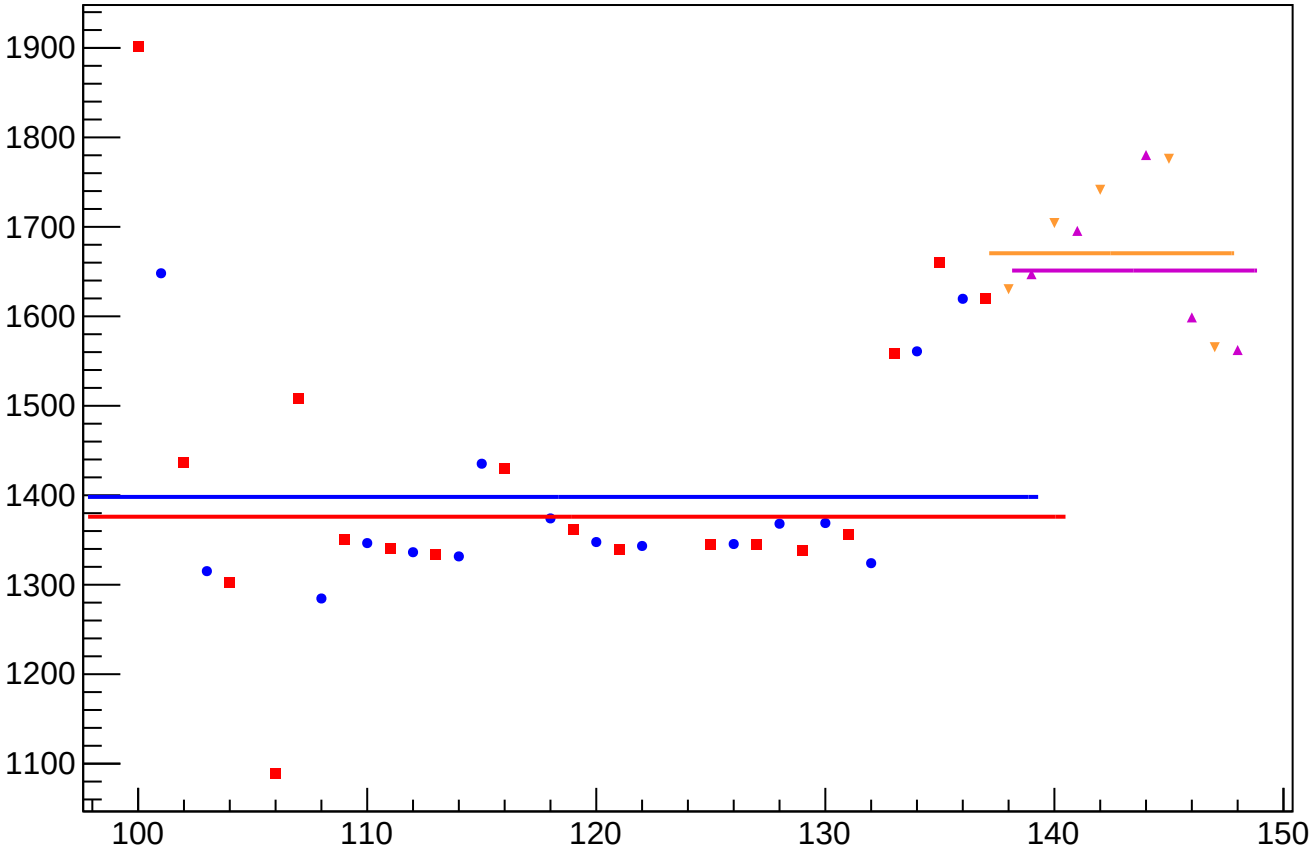
Left In: -1972.141+/-790.410 χ^2/NDF:8.1/4

+ sign 1874.488+/-447.583 χ^2/NDF: 19.0/20

All: -147.593+/-311.641 χ^2/NDF: 81.2/43

- sign -2050.364+/-434.178 χ^2/NDF: 22.6/22

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

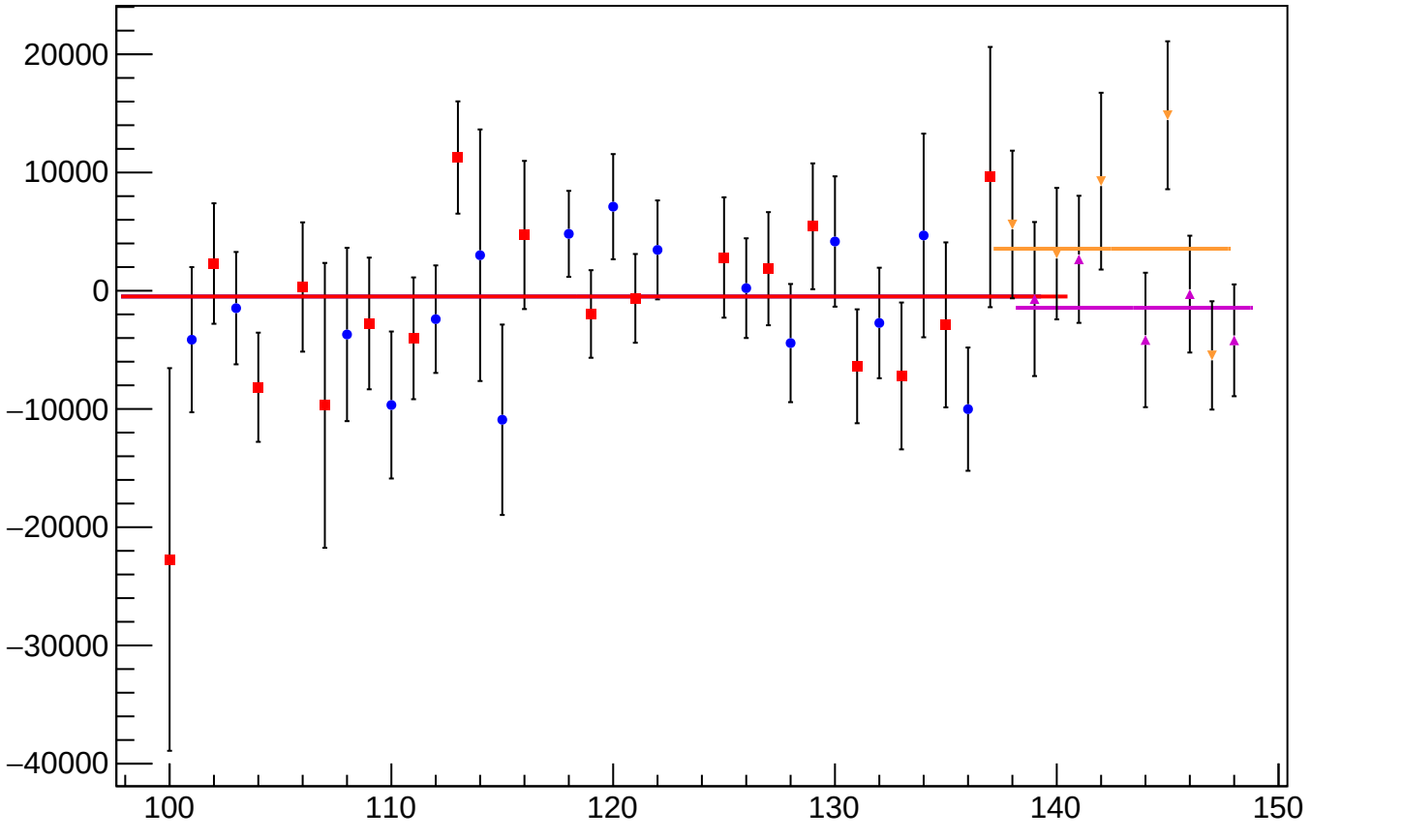
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1470.411+/-0.316 χ^2/NDF: 254512.9/20

All: 1463.700+/-0.219 χ^2/NDF: 558070.9/43

- sign 1457.502+/-0.304 χ^2/NDF: 302693.2/22



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3552.027+/-2590.079 χ^2/NDF:7.8/4

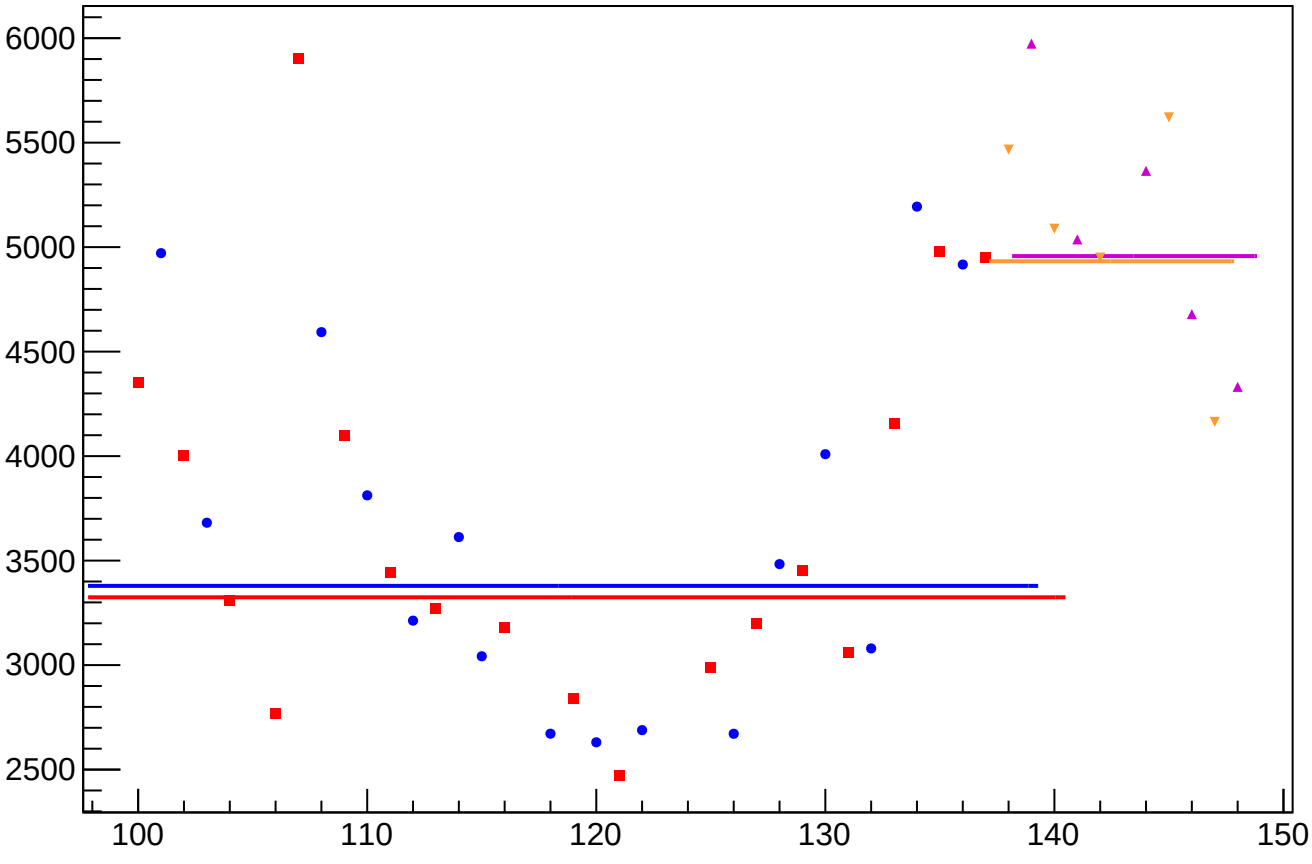
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1445.055+/-2392.079 χ^2/NDF:1.2/4

+ sign 321.046+/-1158.240 χ^2/NDF: 25.7/20

All: -206.838+/-803.542 χ^2/NDF: 46.2/43

- sign -696.670+/-1115.713 χ^2/NDF: 20.1/22



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

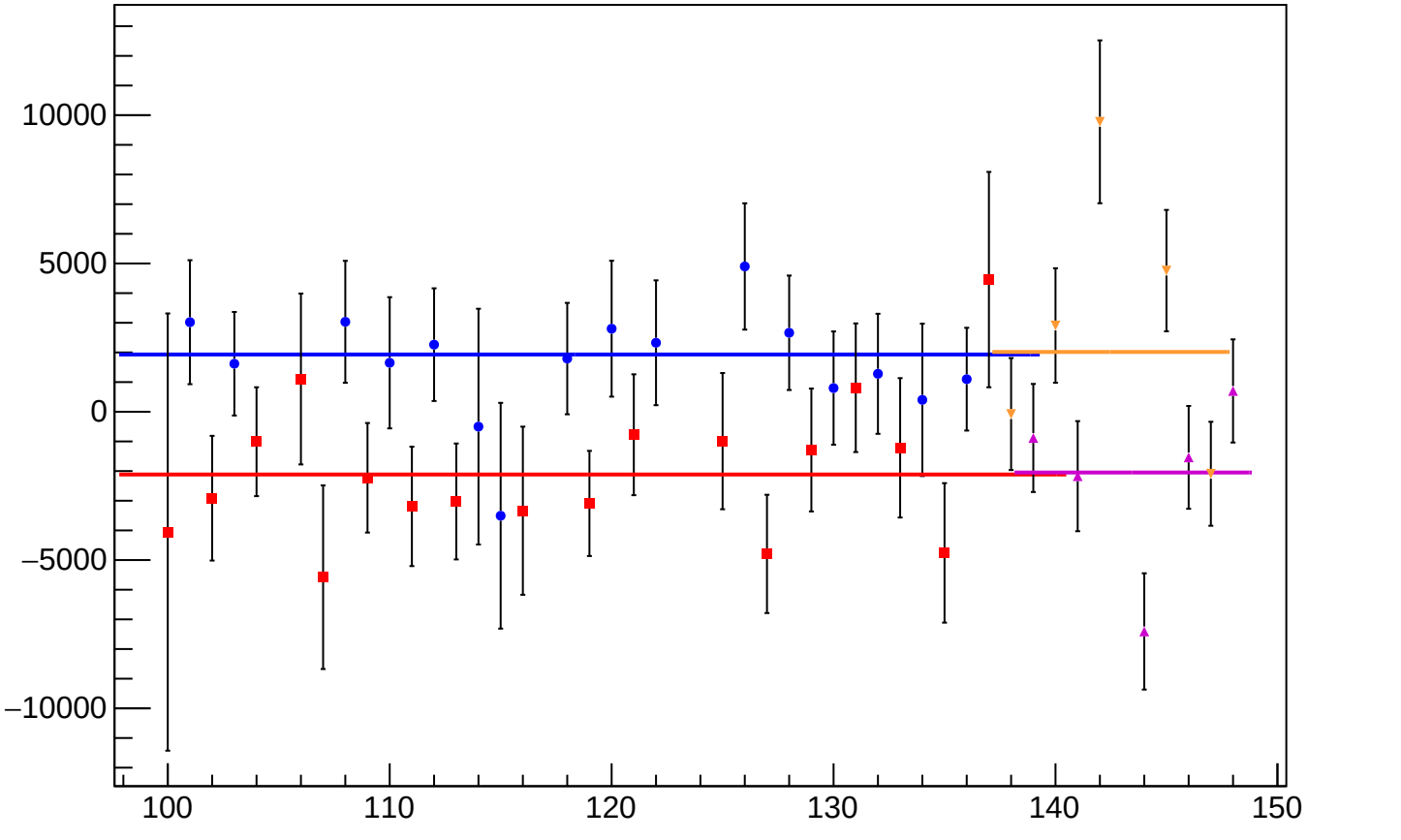
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

+ sign 3689.719+/-0.819 χ^2/NDF: 1427490.7/20

All: 3684.486+/-0.568 χ^2/NDF: 2801127.5/43

- sign 3679.630+/-0.789 χ^2/NDF: 1373558.0/22



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

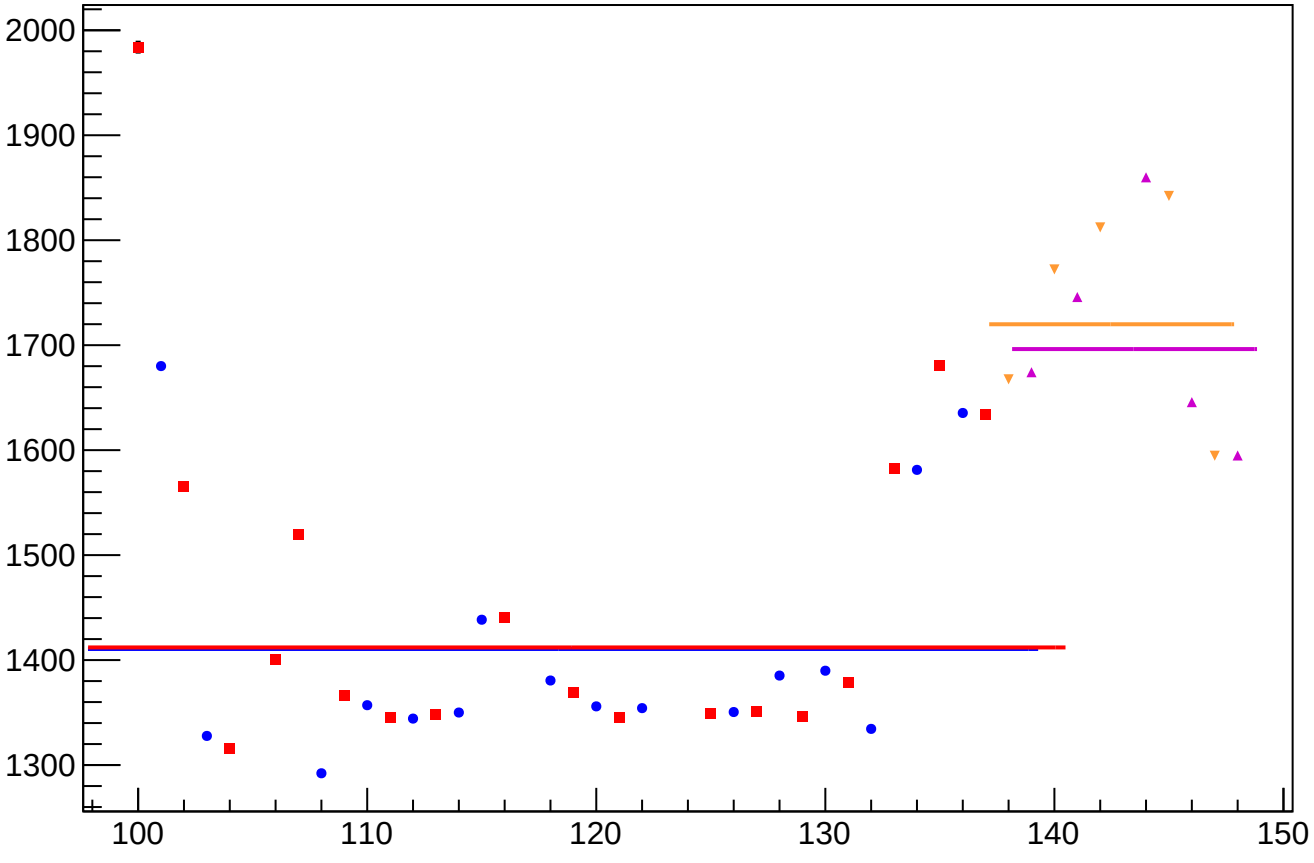
Left In: -2048.155+/-812.389 χ^2/NDF:10.5/4

+ sign 1953.432+/-454.325 χ^2/NDF: 23.1/20

All: -121.153+/-317.244 χ^2/NDF: 87.5/43

- sign -2095.243+/-443.184 χ^2/NDF: 23.7/22

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

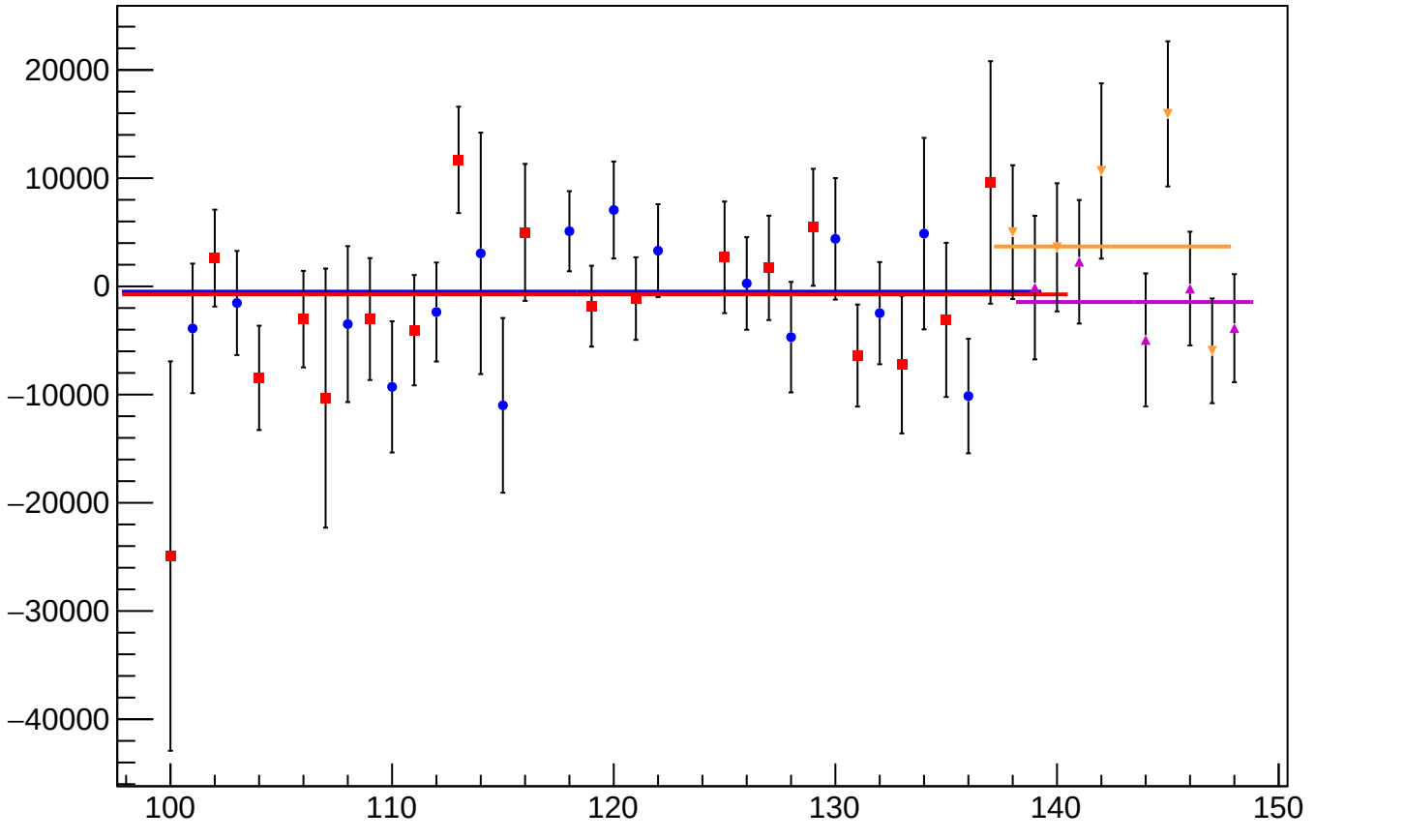
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1696.293+/-0.574 χ^2/NDF:24152.4/4

+ sign 1490.148+/-0.321 χ^2/NDF: 298890.4/20

All: 1493.318+/-0.224 χ^2/NDF: 585186.9/43

- sign 1496.324+/-0.313 χ^2/NDF: 286106.8/22



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

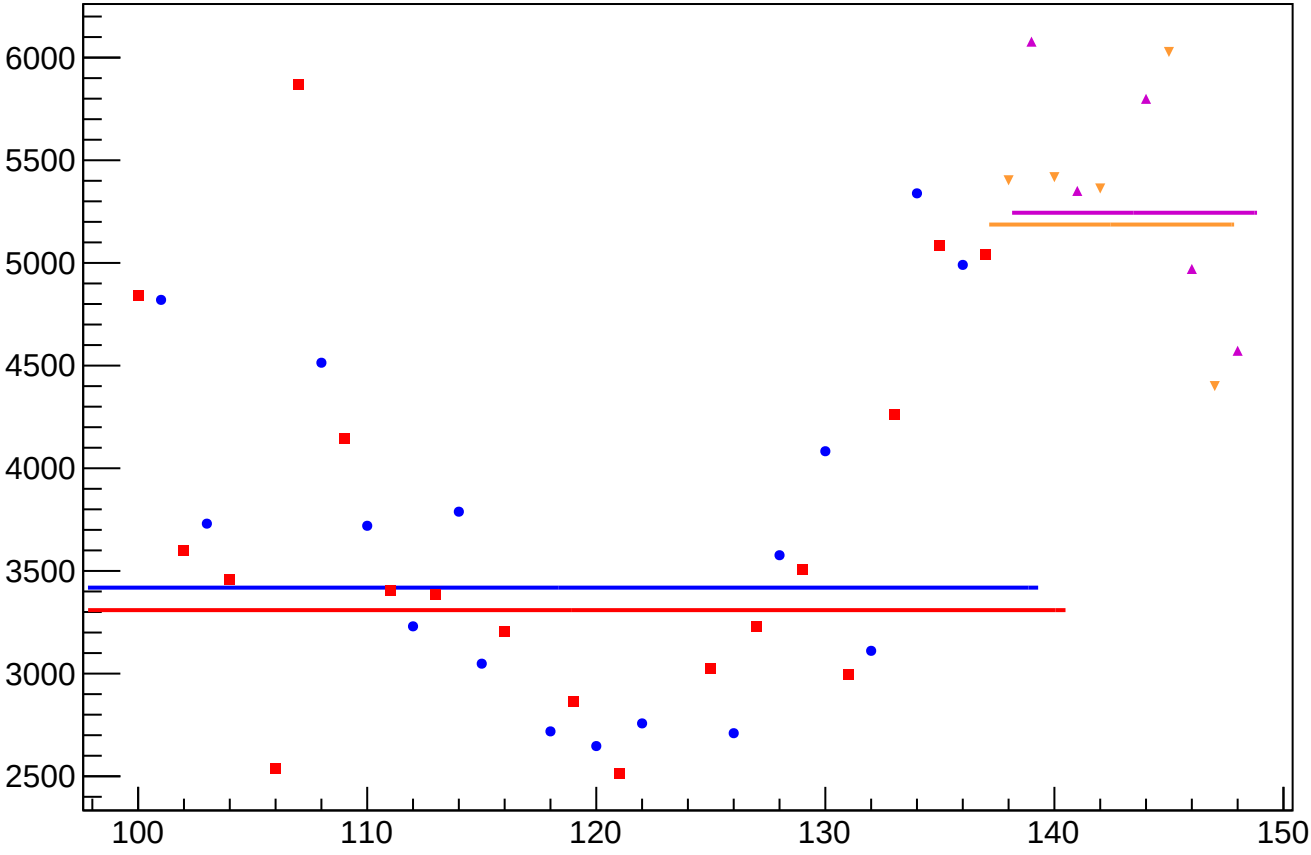
Left In: -1446.156+/-2529.911 χ^2/NDF:1.1/4

+ sign 293.753+/-1179.572 χ^2/NDF: 25.8/20

All: -323.234+/-811.895 χ^2/NDF: 46.7/43

- sign -878.673+/-1119.192 χ^2/NDF: 20.3/22

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

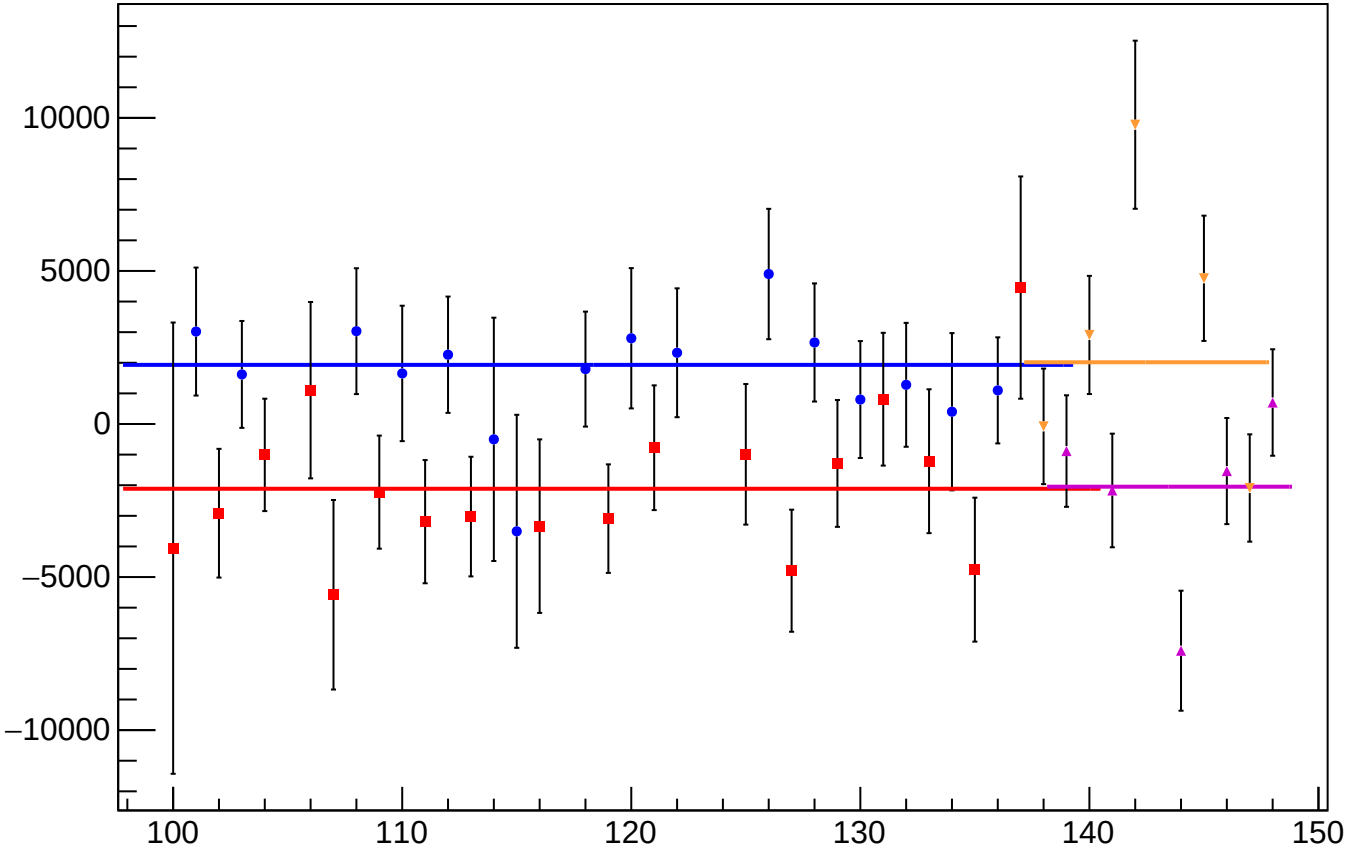
Left In: 5244.384+/-1.789 χ^2/NDF:90227.8/4

+ sign 3750.410+/-0.834 χ^2/NDF: 1496811.3/20

All: 3717.489+/-0.574 χ^2/NDF: 3103222.4/43

- sign 3687.852+/-0.791 χ^2/NDF: 1603450.7/22

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

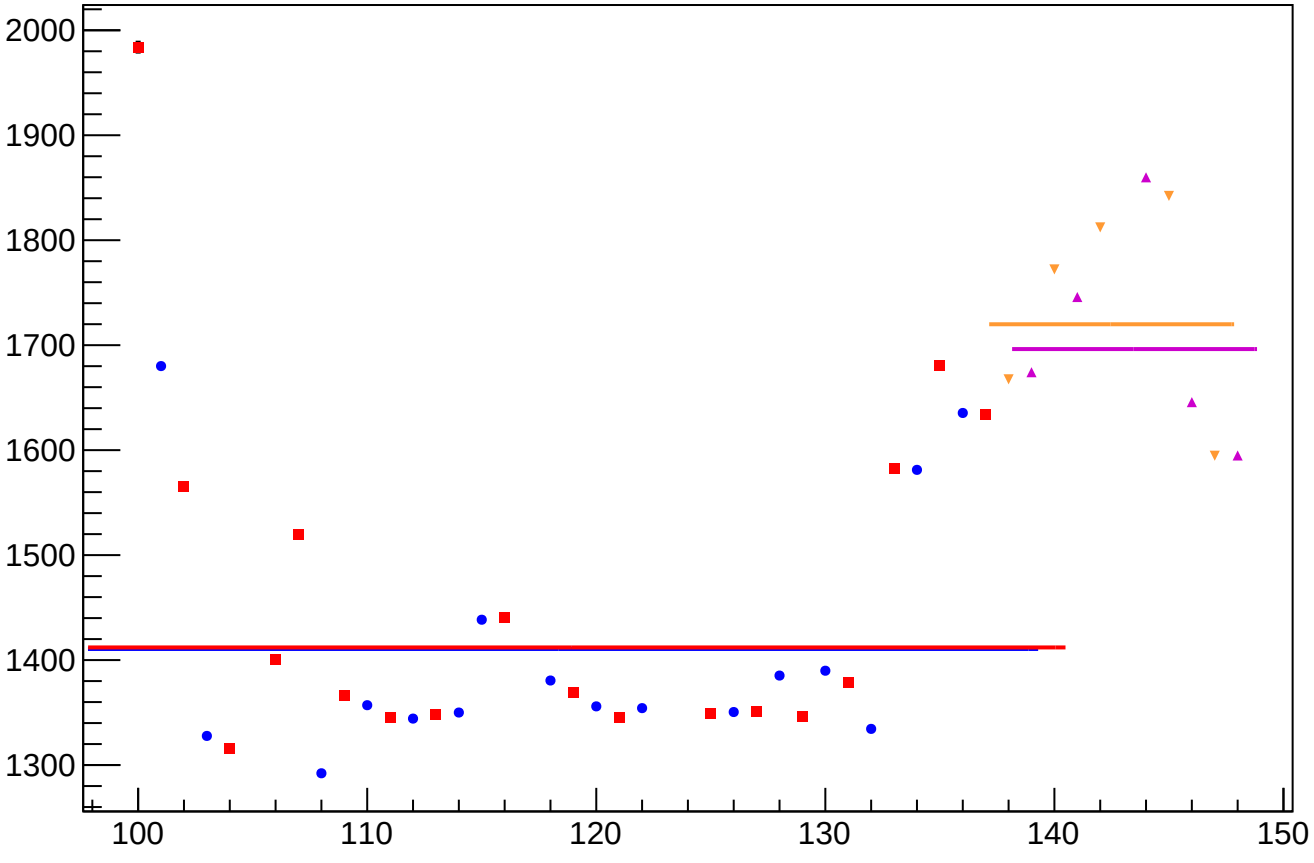
Left In: -2048.156+/-812.390 χ^2/NDF:10.5/4

+ sign 1953.436+/-454.325 χ^2/NDF: 23.1/20

All: -121.151+/-317.244 χ^2/NDF: 87.5/43

- sign -2095.244+/-443.184 χ^2/NDF: 23.7/22

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

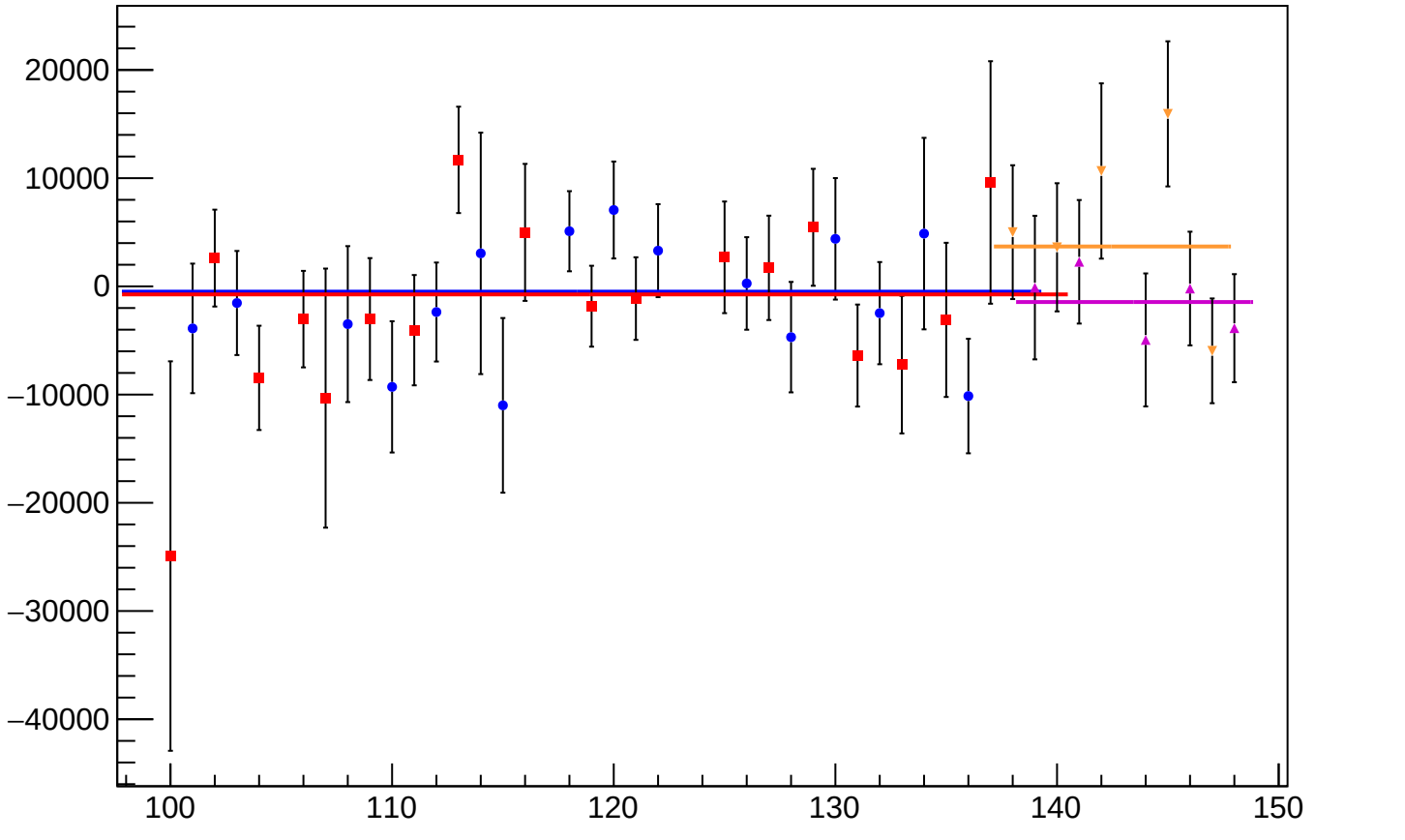
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1696.294+/-0.574 χ^2/NDF:24152.8/4

+ sign 1490.148+/-0.321 χ^2/NDF: 298892.0/20

All: 1493.318+/-0.224 χ^2/NDF: 585190.6/43

- sign 1496.324+/-0.313 χ^2/NDF: 286108.9/22



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 3685.376+/-2723.442 χ^2/NDF:8.1/4

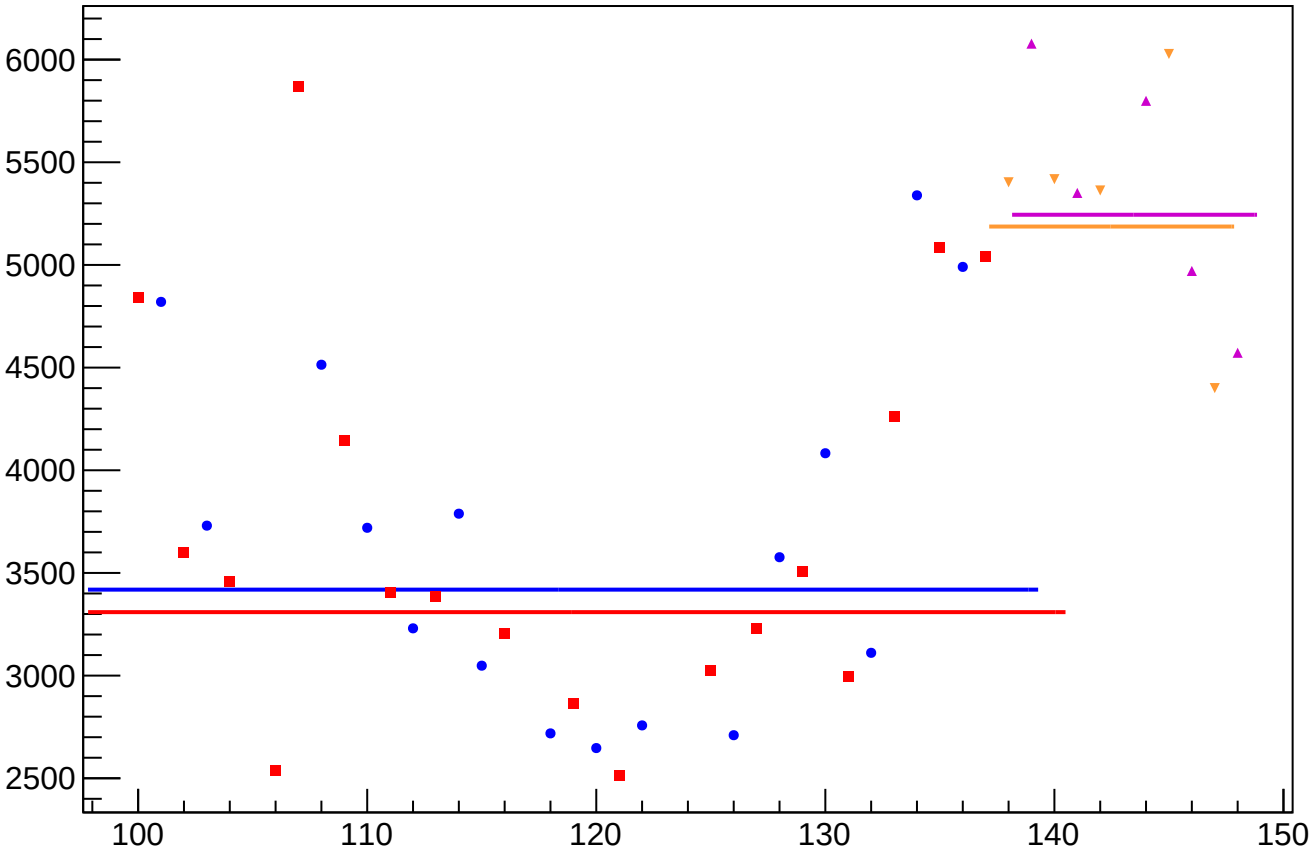
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1446.157+/-2529.915 χ^2/NDF:1.1/4

+ sign 293.752+/-1179.569 χ^2/NDF: 25.8/20

All: -323.235+/-811.893 χ^2/NDF: 46.7/43

- sign -878.675+/-1119.189 χ^2/NDF: 20.3/22



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

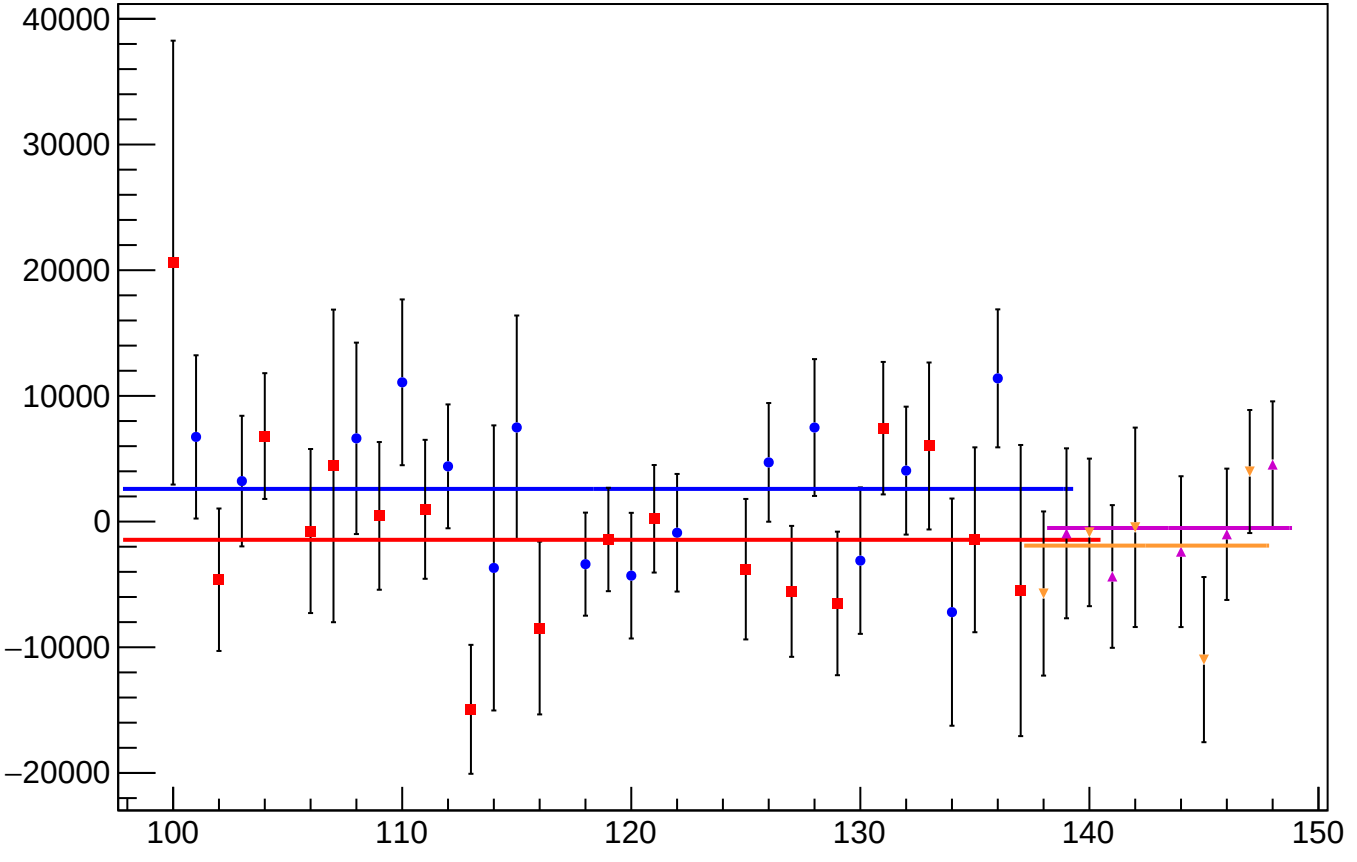
Left In: 5244.392+/-1.789 χ^2/NDF:90229.5/4

+ sign 3750.400+/-0.834 χ^2/NDF: 1496835.9/20

All: 3717.479+/-0.574 χ^2/NDF: 3103268.1/43

- sign 3687.842+/-0.791 χ^2/NDF: 1603471.9/22

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

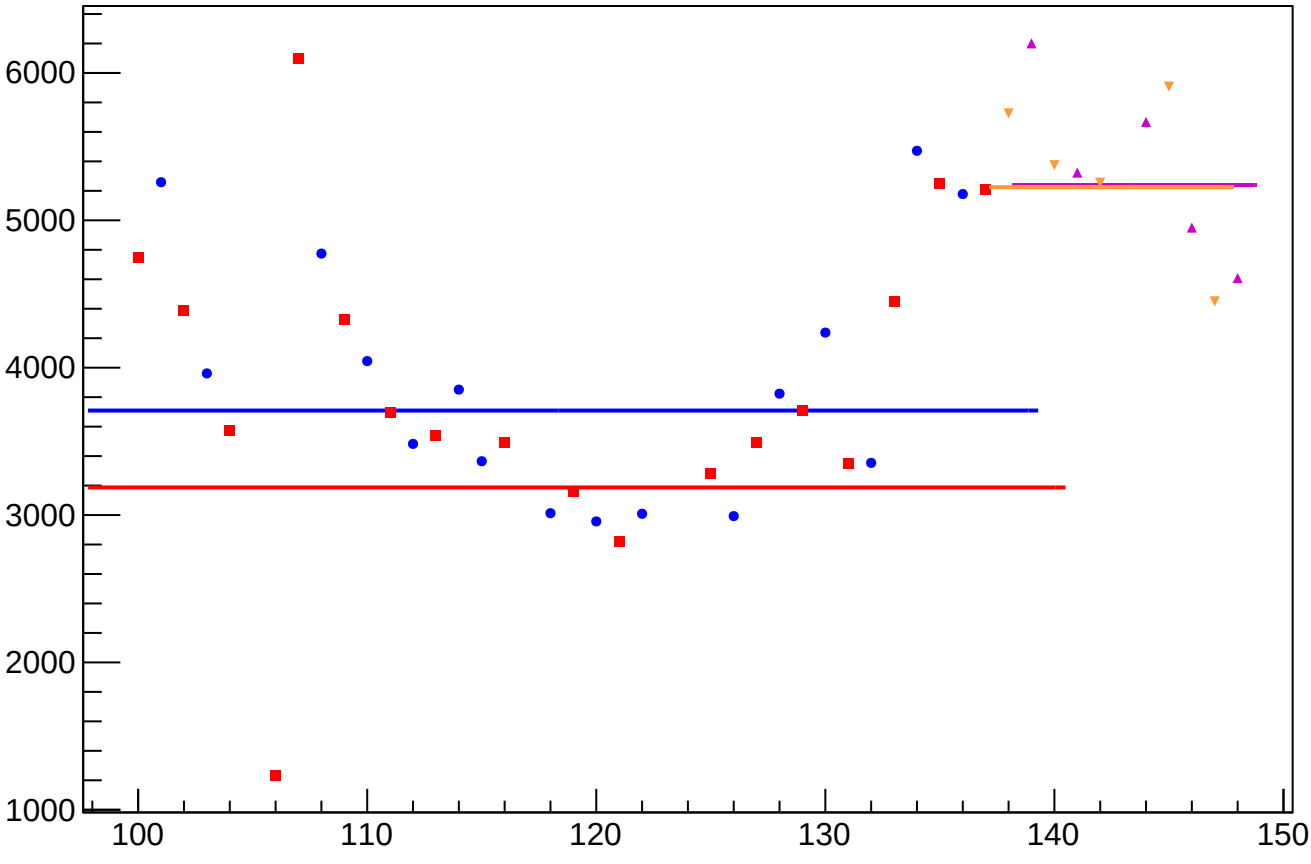
Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: -510.371+/-2525.076 χ^2/NDF:1.6/4

+ sign 1650.124+/-1256.843 χ^2/NDF: 19.4/20

All: 156.950+/-872.755 χ^2/NDF: 42.8/43

- sign -1233.538+/-1212.857 χ^2/NDF: 20.7/22



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

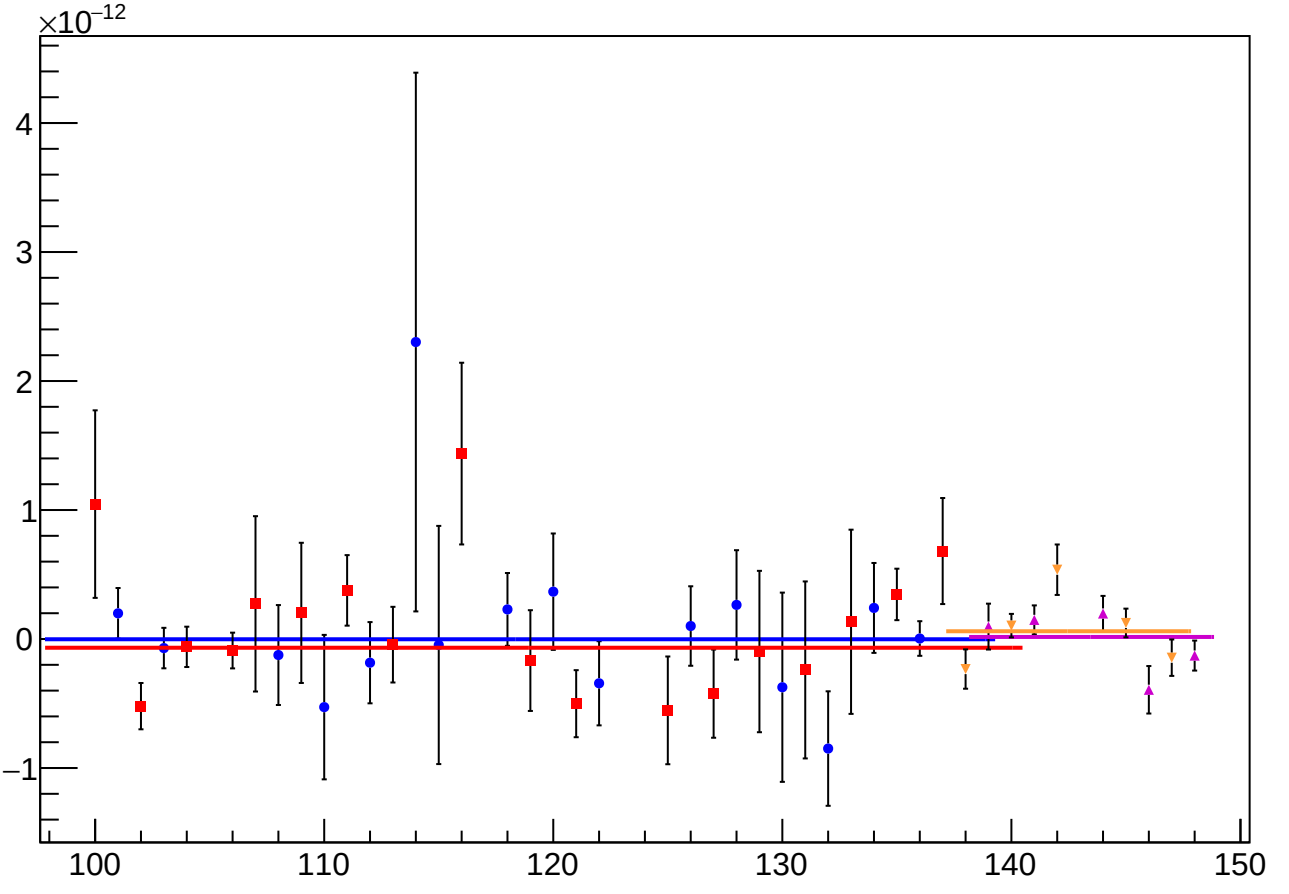
Left In: 5239.536+/-1.785 χ^2/NDF:88724.5/4

+ sign 4028.235+/-0.889 χ^2/NDF: 1178865.7/20

All: 3791.670+/-0.595 χ^2/NDF: 4062409.1/43

- sign 3599.733+/-0.801 χ^2/NDF: 2755200.4/22

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

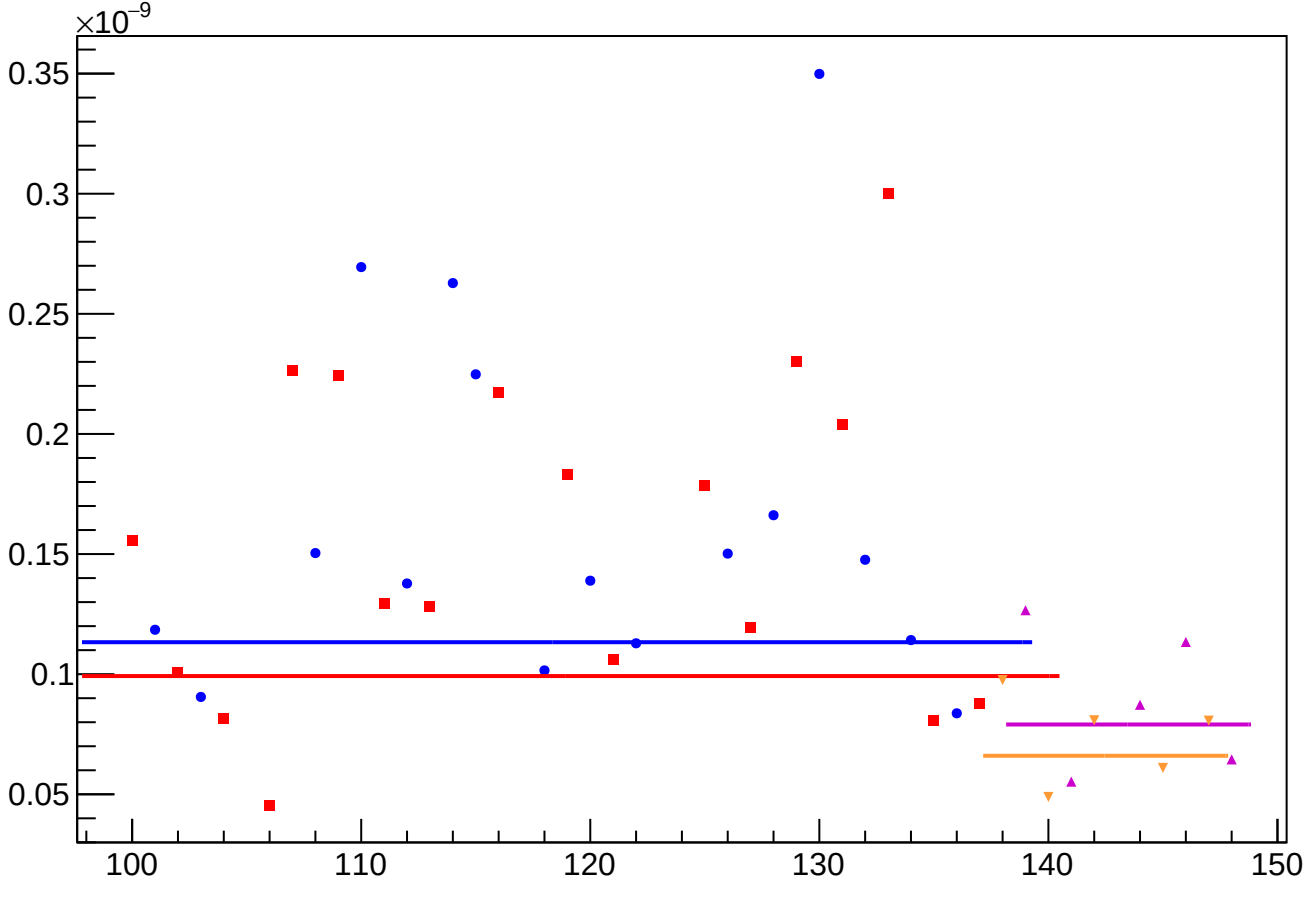
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 65.0/43

- sign -0.000+/-0.000 χ^2/NDF: 40.2/22



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

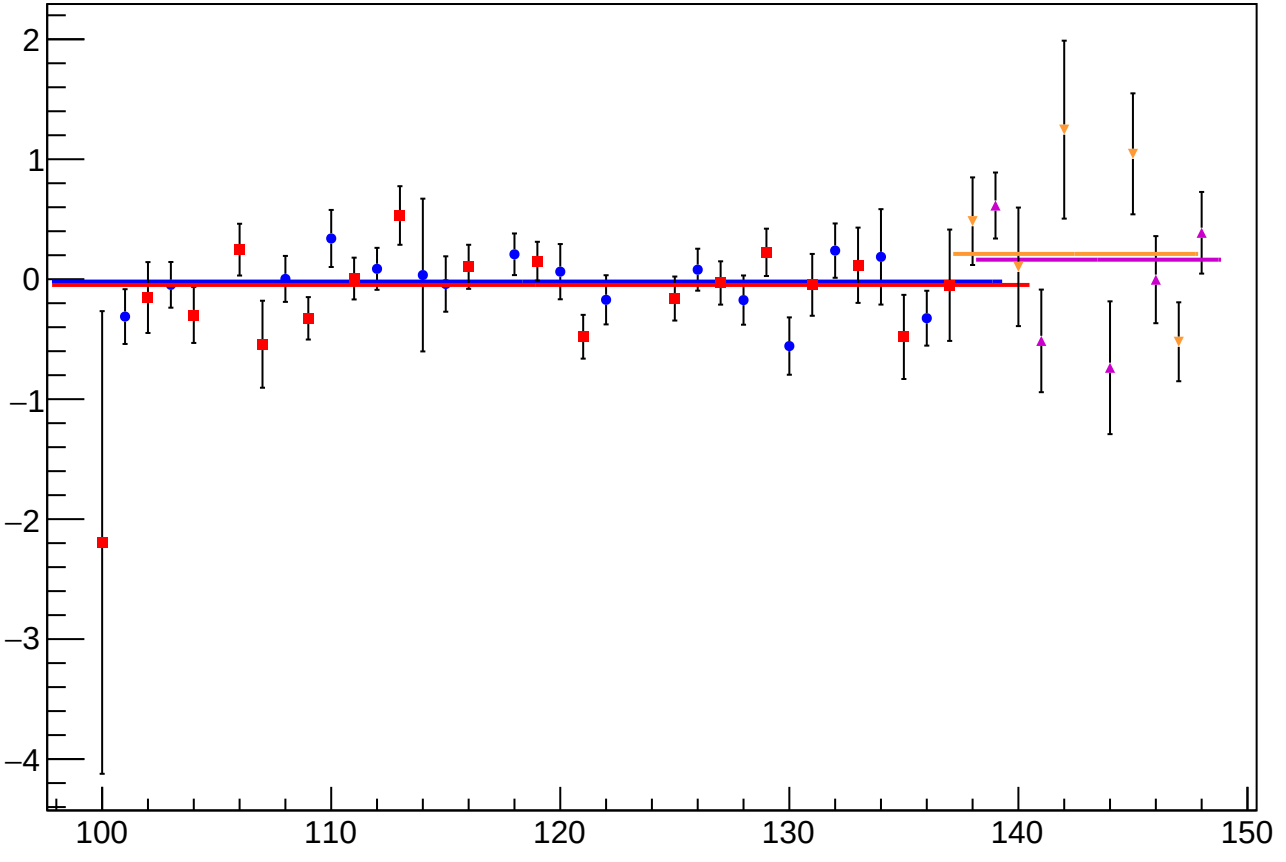
Left In: 0.000+/-0.000 χ^2/NDF:340751.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 1402932.7/20

All: 0.000+/-0.000 χ^2/NDF: 2954318.5/43

- sign 0.000+/-0.000 χ^2/NDF: 1542627.5/22

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

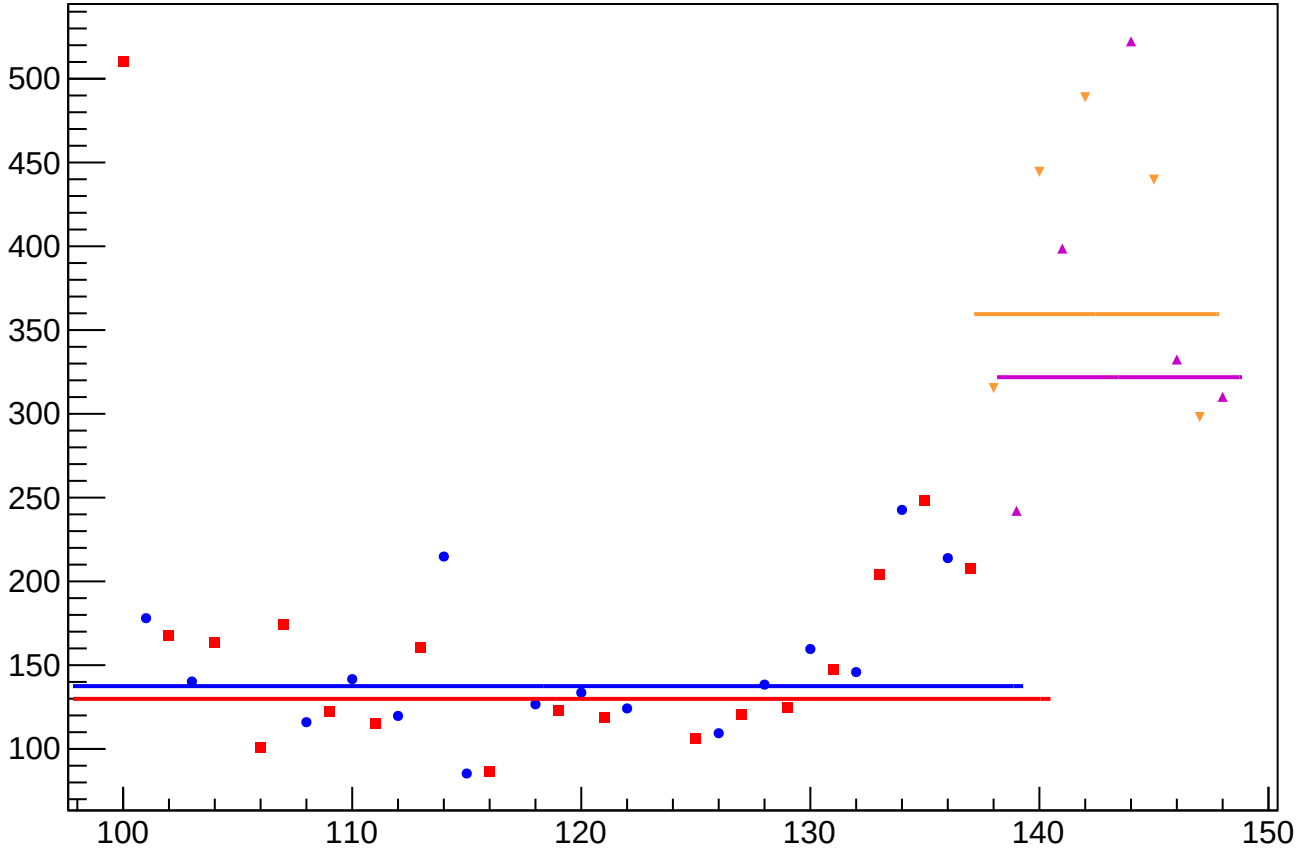
Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.016+/-0.036 χ^2/NDF: 64.0/43

- sign -0.028+/-0.050 χ^2/NDF: 36.3/22

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

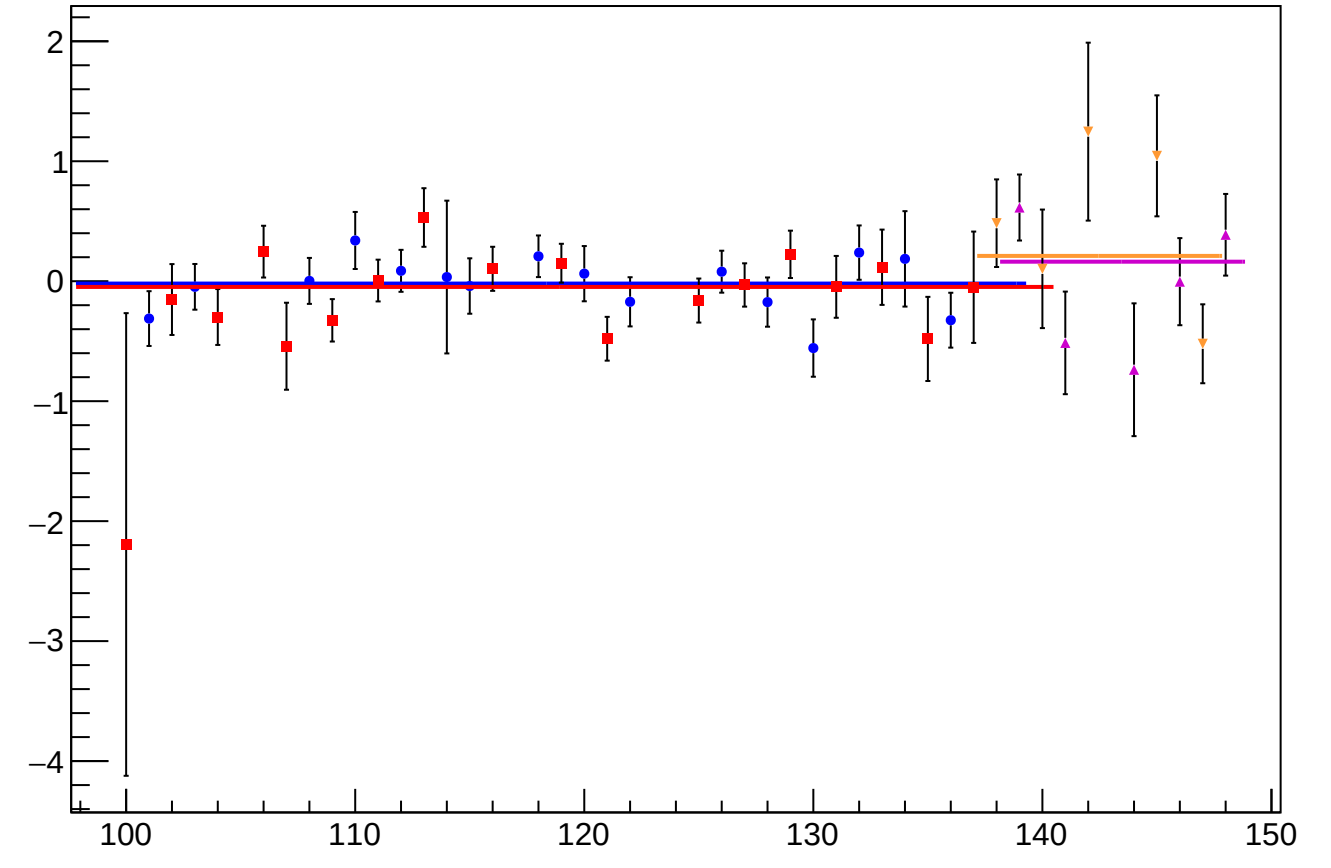
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

+ sign 153.580+/-0.037 χ^2/NDF: 3393980.4/20

All: 150.748+/-0.026 χ^2/NDF: 7283731.4/43

- sign 148.157+/-0.035 χ^2/NDF: 3878478.9/22



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

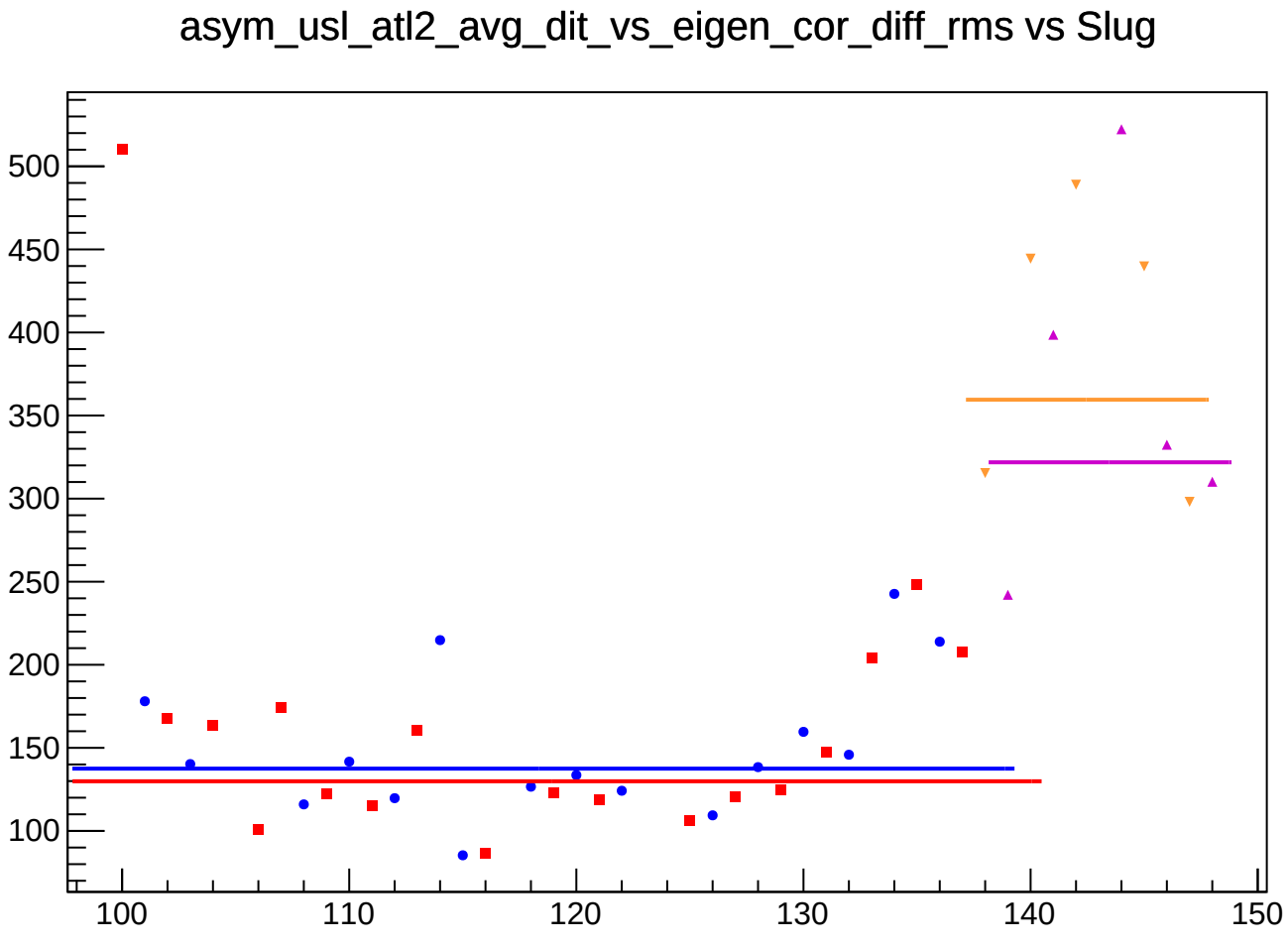
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.016+/-0.036 χ^2/NDF: 64.0/43

- sign -0.028+/-0.050 χ^2/NDF: 36.3/22



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

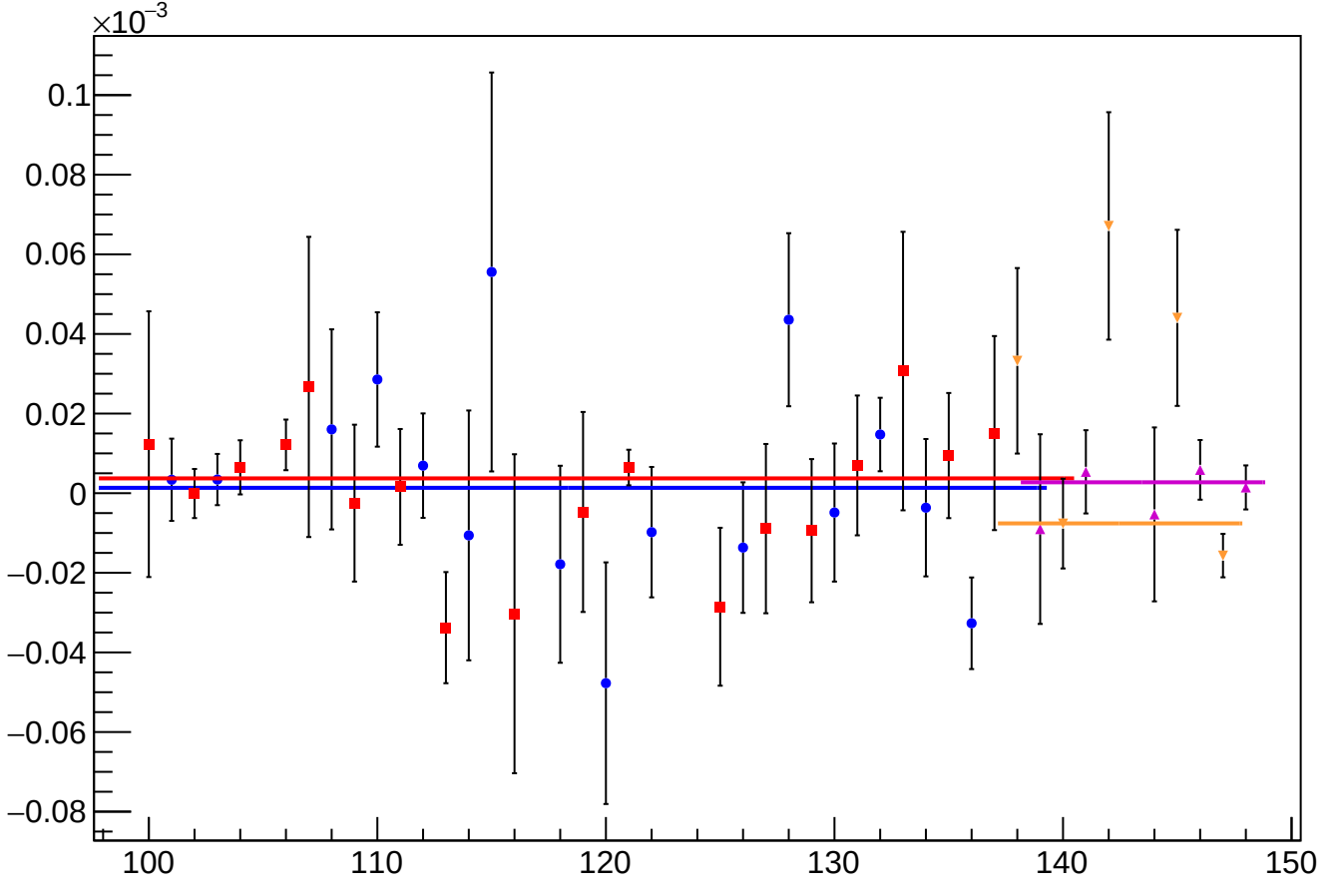
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

+ sign 153.580+/-0.037 χ^2/NDF: 3393980.4/20

All: 150.748+/-0.026 χ^2/NDF: 7283731.4/43

- sign 148.157+/-0.035 χ^2/NDF: 3878478.9/22



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

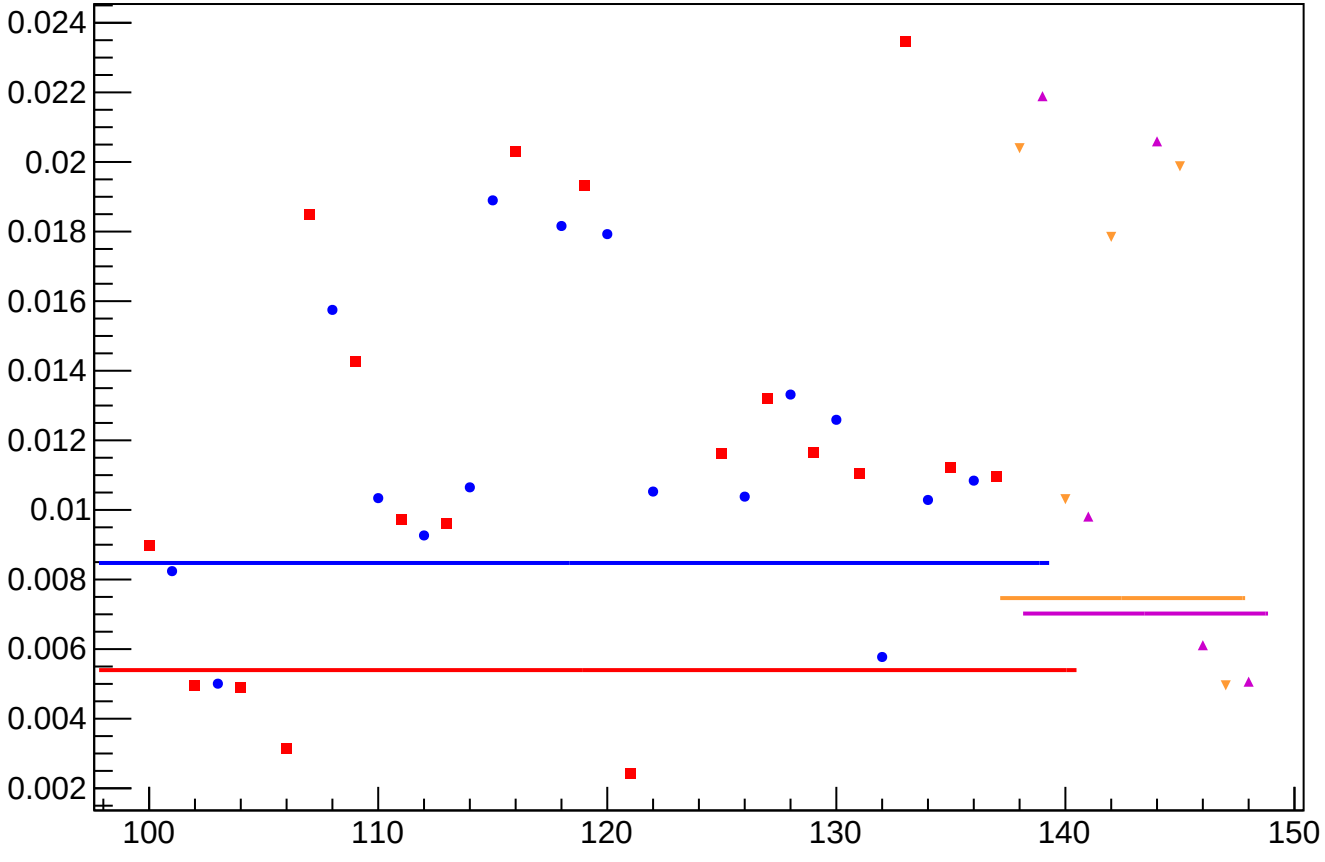
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/20

All: 0.000+/-0.000 χ^2/NDF: 62.7/43

- sign 0.000+/-0.000 χ^2/NDF: 16.5/22

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

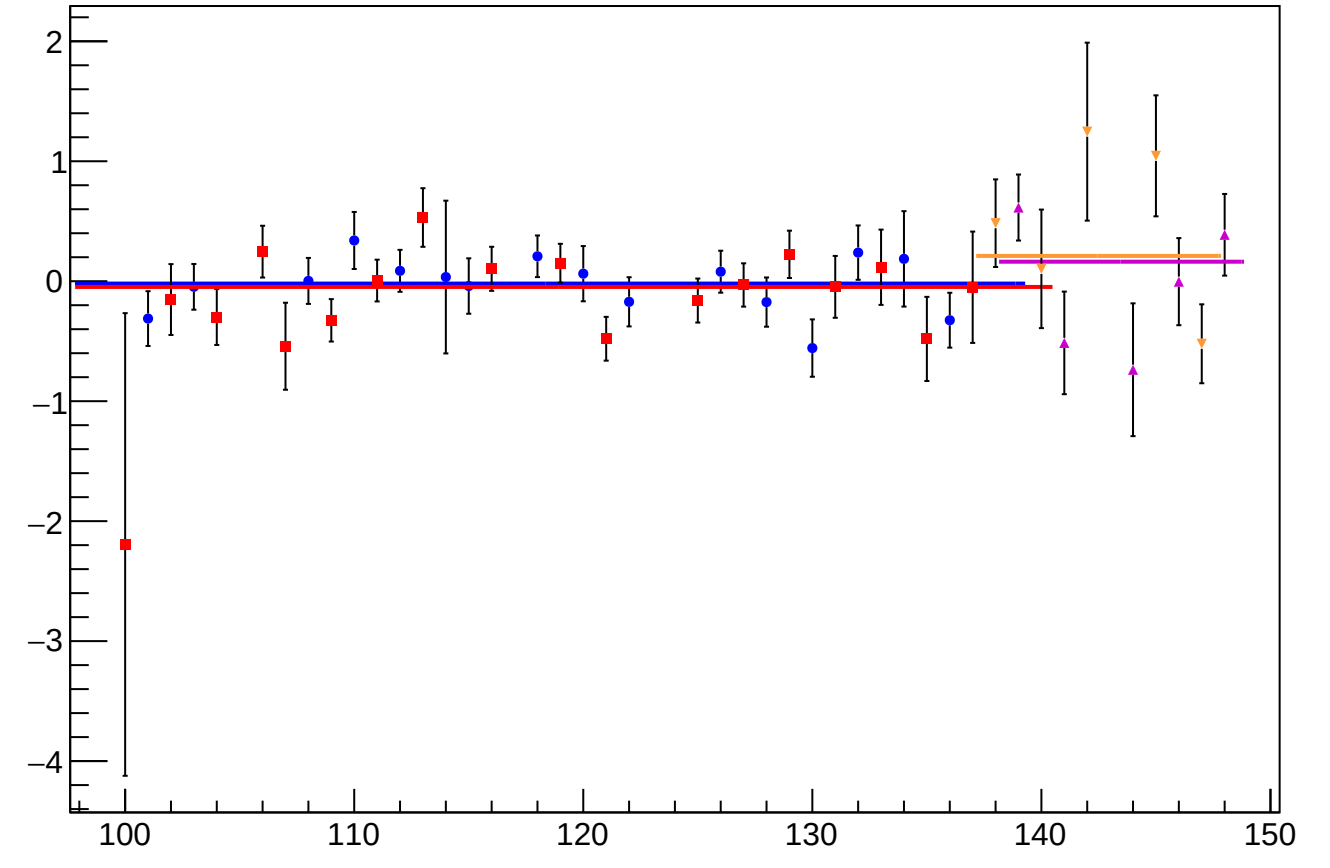
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:1973020.3/4

+ sign 0.008+/-0.000 χ^2/NDF: 4046407.6/20

All: 0.007+/-0.000 χ^2/NDF: 11997758.5/43

- sign 0.006+/-0.000 χ^2/NDF: 7120740.3/22



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

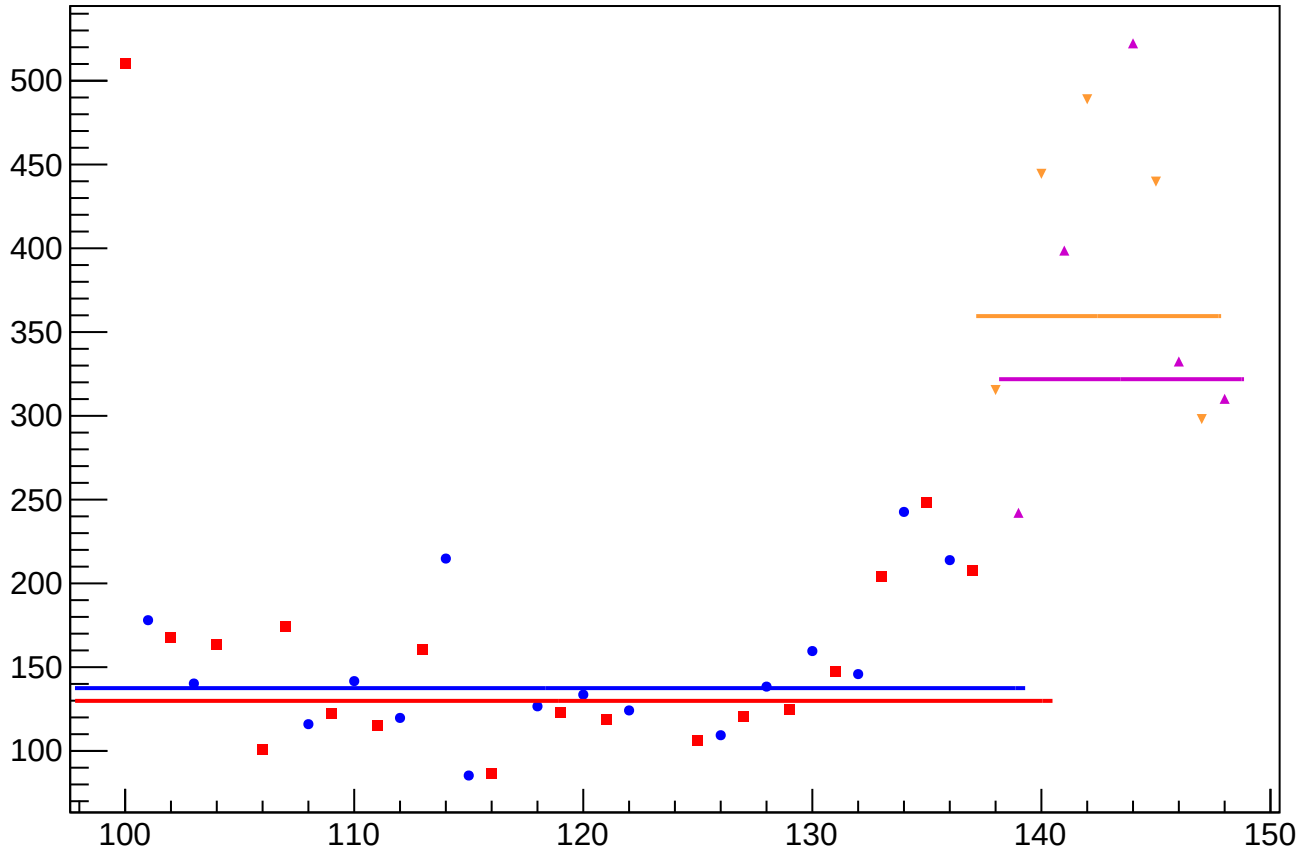
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.016+/-0.036 χ^2/NDF: 64.0/43

- sign -0.028+/-0.050 χ^2/NDF: 36.3/22



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

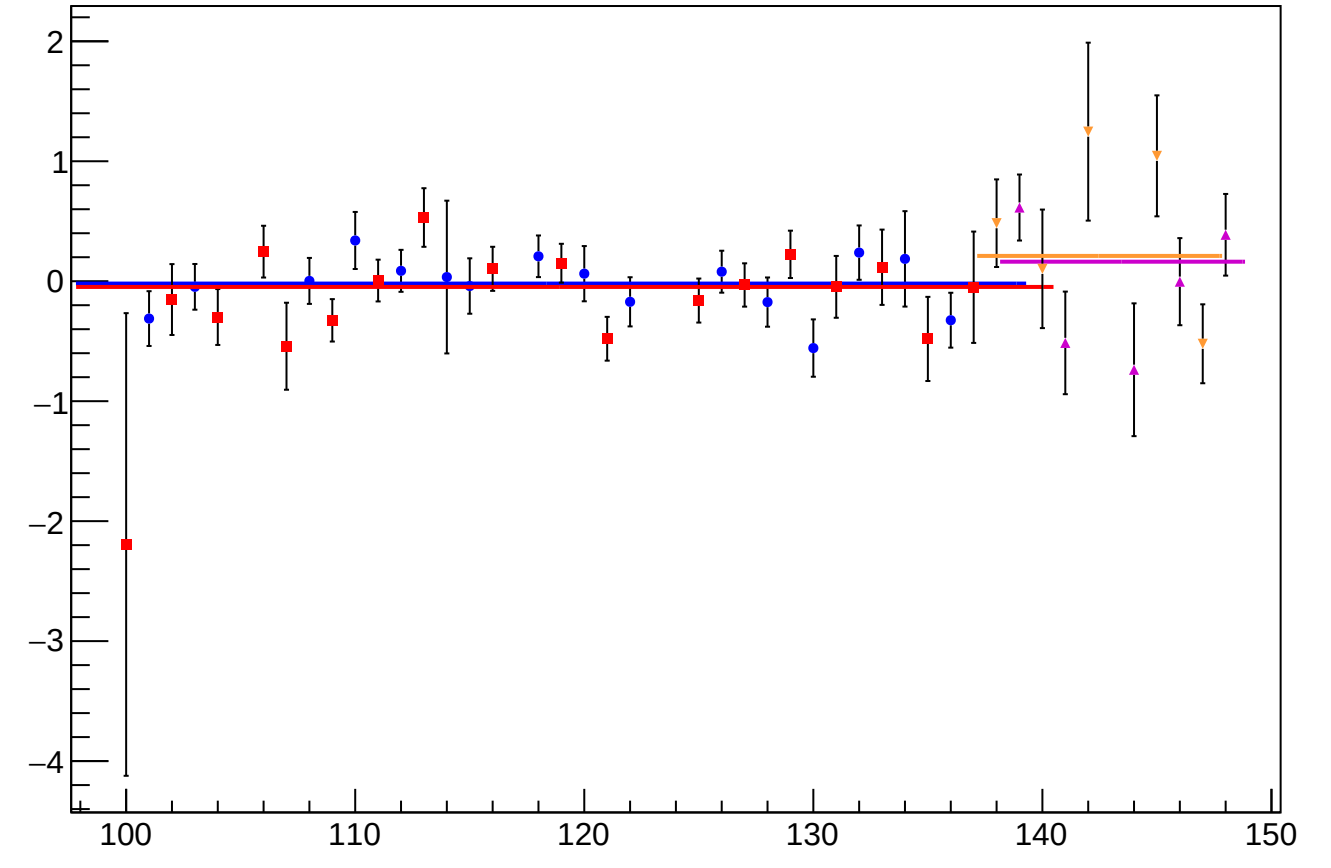
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

+ sign 153.580+/-0.037 χ^2/NDF: 3394008.5/20

All: 150.748+/-0.026 χ^2/NDF: 7283760.8/43

- sign 148.157+/-0.035 χ^2/NDF: 3878480.9/22



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.211+/-0.194 χ^2/NDF:10.2/4

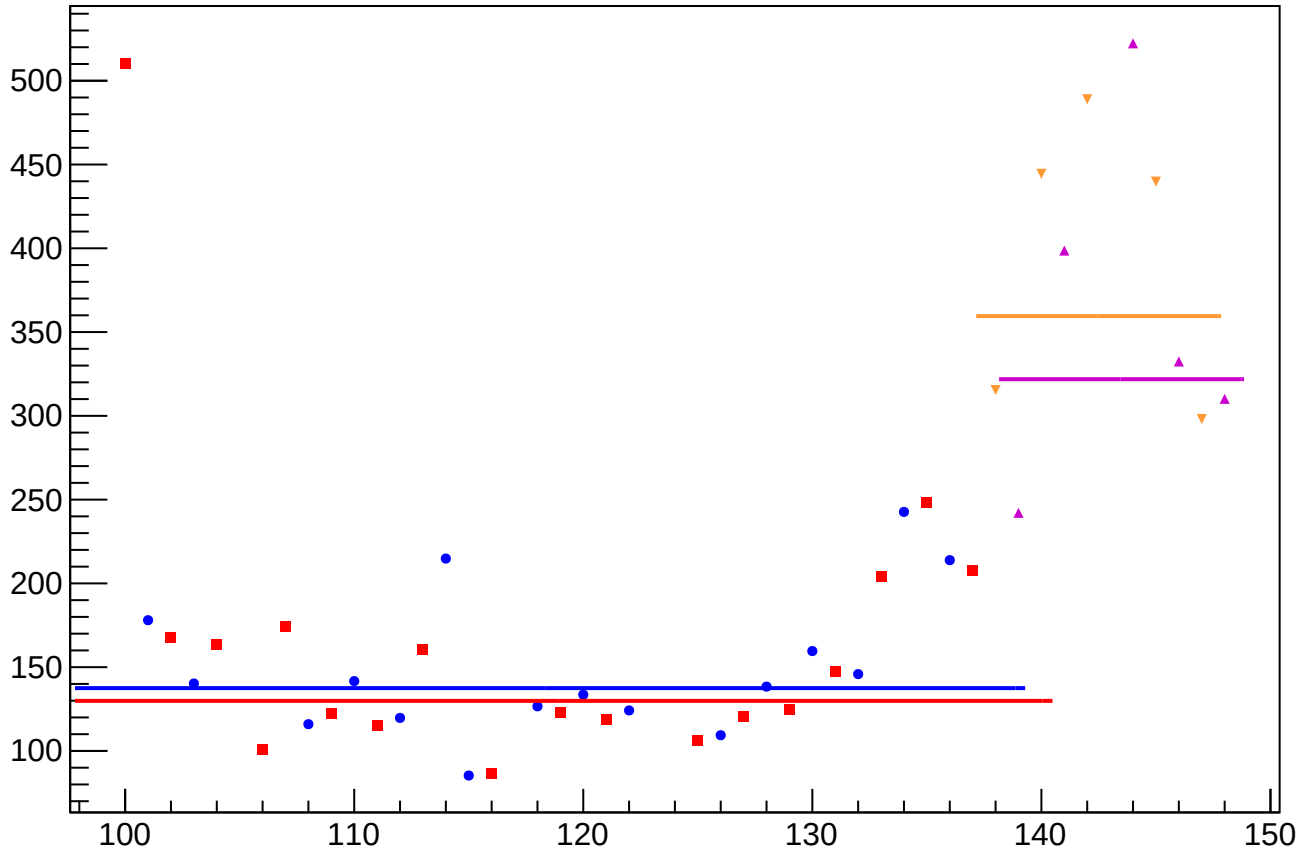
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign -0.003+/-0.052 χ^2/NDF: 27.6/20

All: -0.016+/-0.036 χ^2/NDF: 64.0/43

- sign -0.028+/-0.050 χ^2/NDF: 36.3/22



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

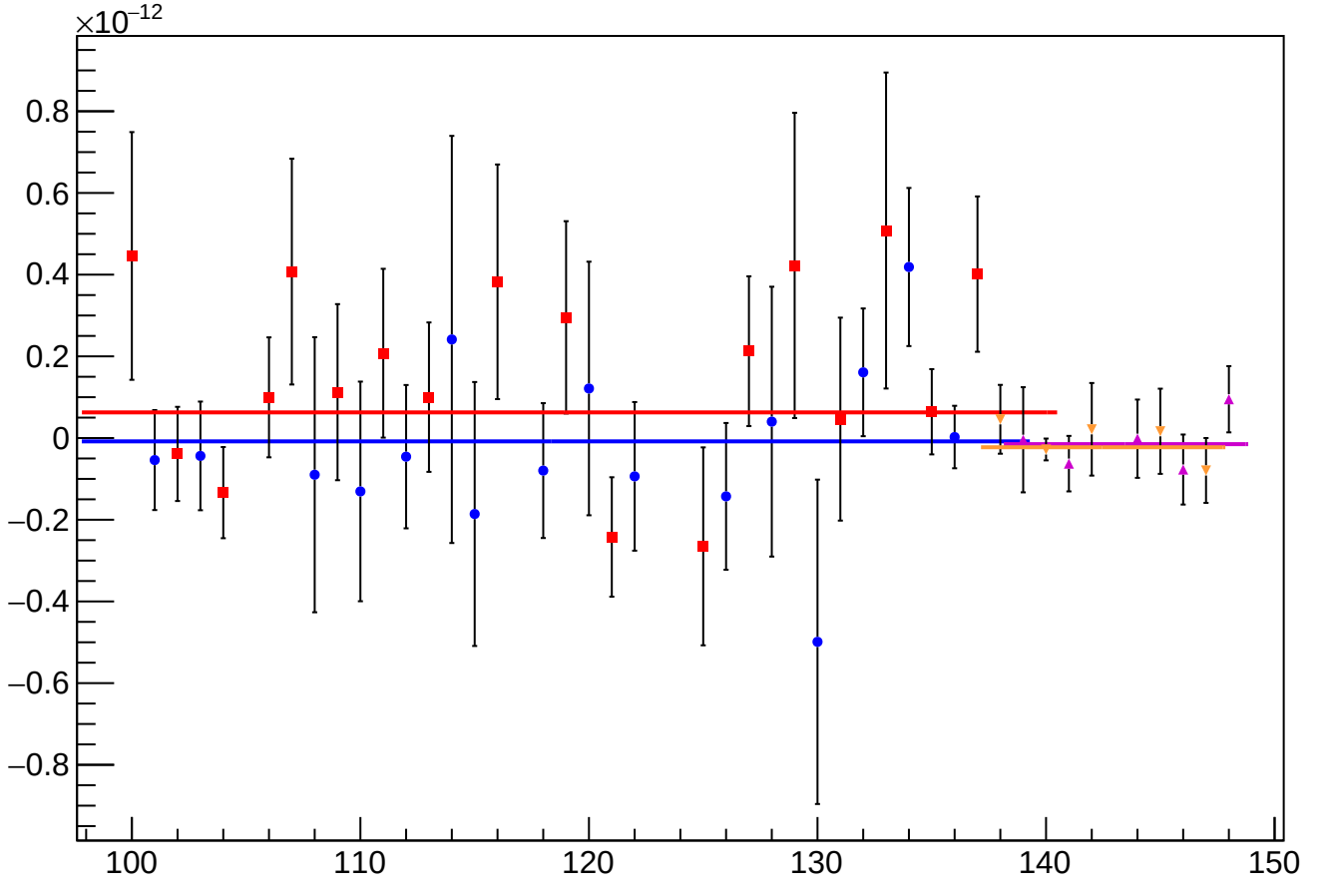
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

+ sign 153.580+/-0.037 χ^2/NDF: 3394008.5/20

All: 150.748+/-0.026 χ^2/NDF: 7283760.8/43

- sign 148.157+/-0.035 χ^2/NDF: 3878480.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

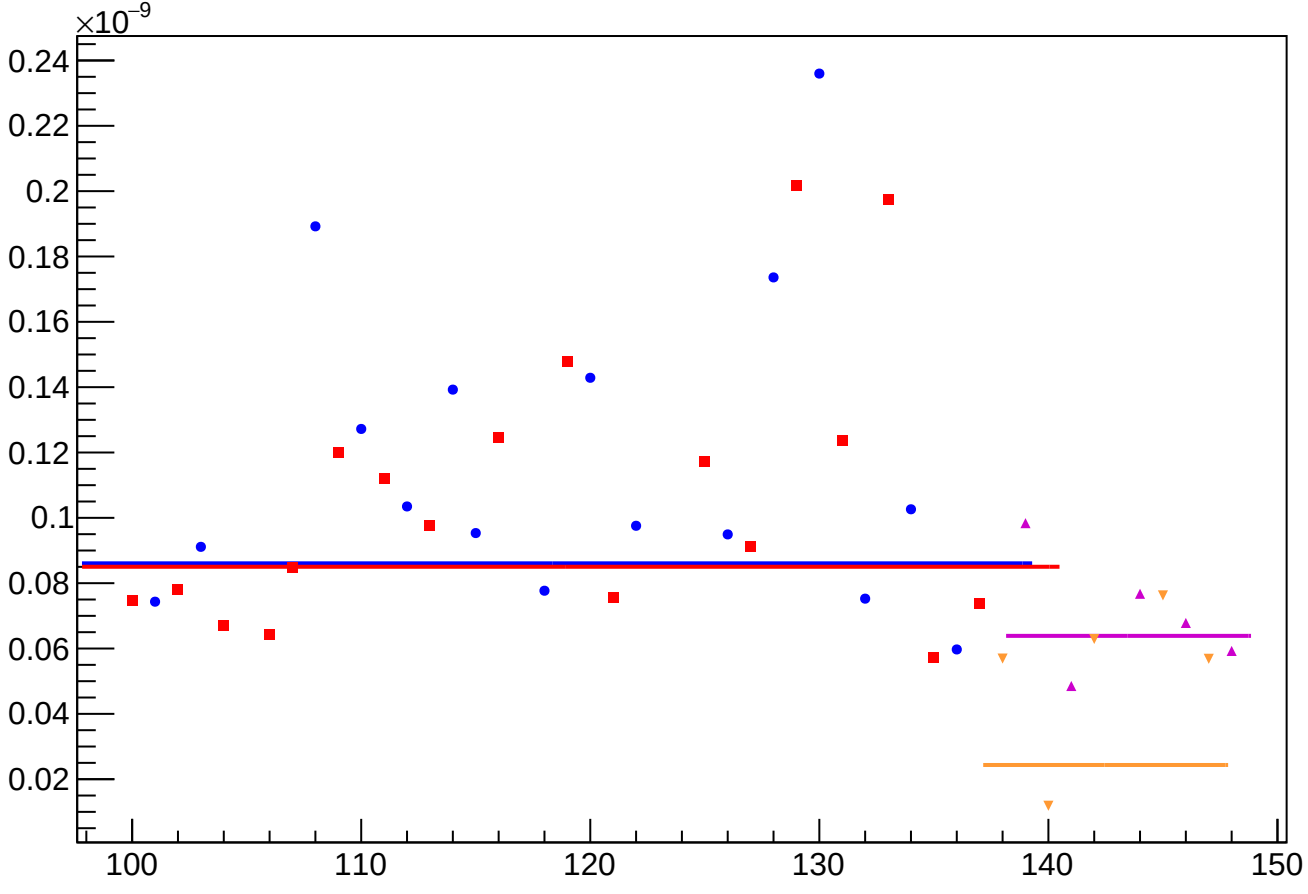
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 11.4/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/43

- sign 0.000+/-0.000 χ^2/NDF: 26.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1799119.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

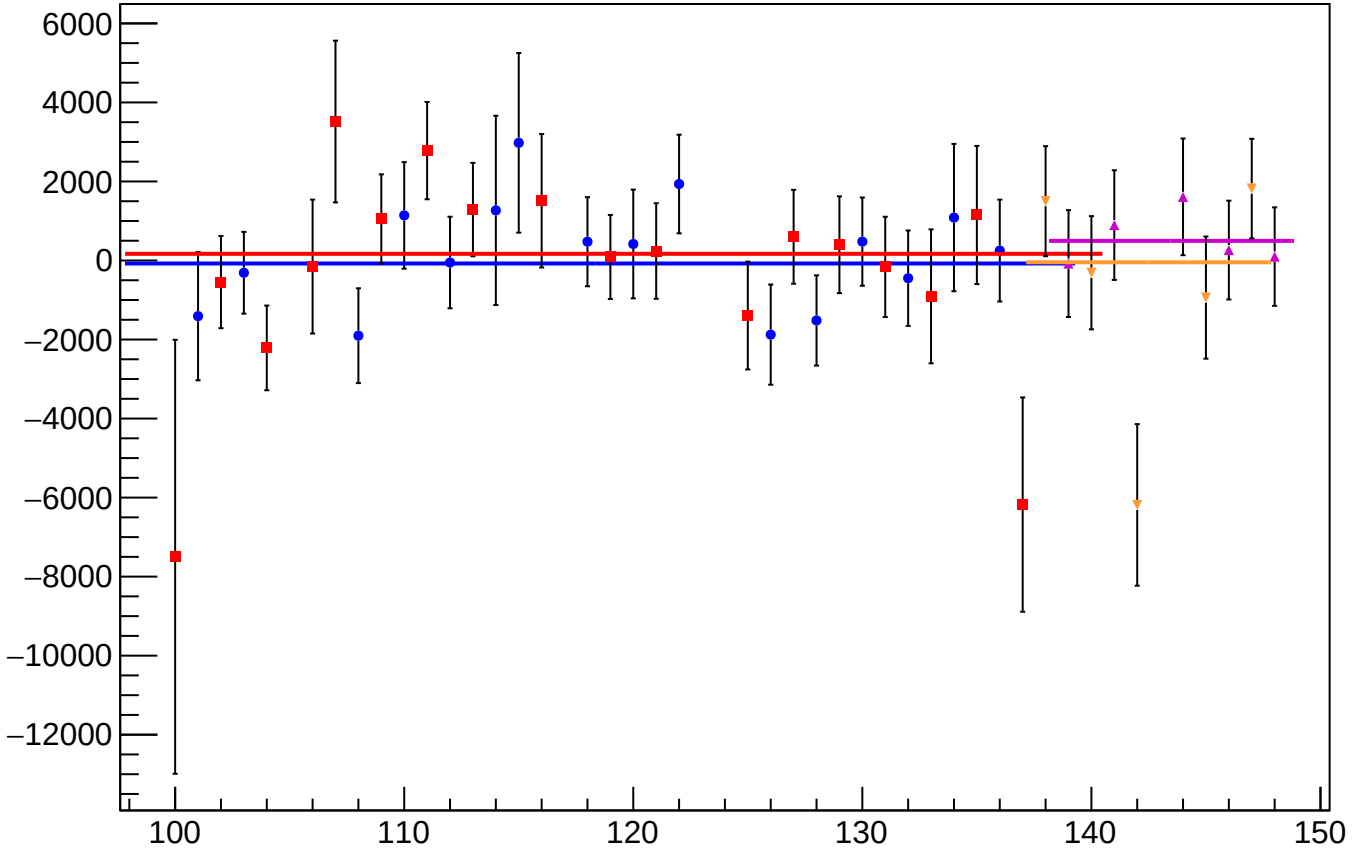
Left In: 0.000+/-0.000 χ^2/NDF:292621.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 6130860.0/20

All: 0.000+/-0.000 χ^2/NDF: 9722872.1/43

- sign 0.000+/-0.000 χ^2/NDF: 1553240.1/22

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

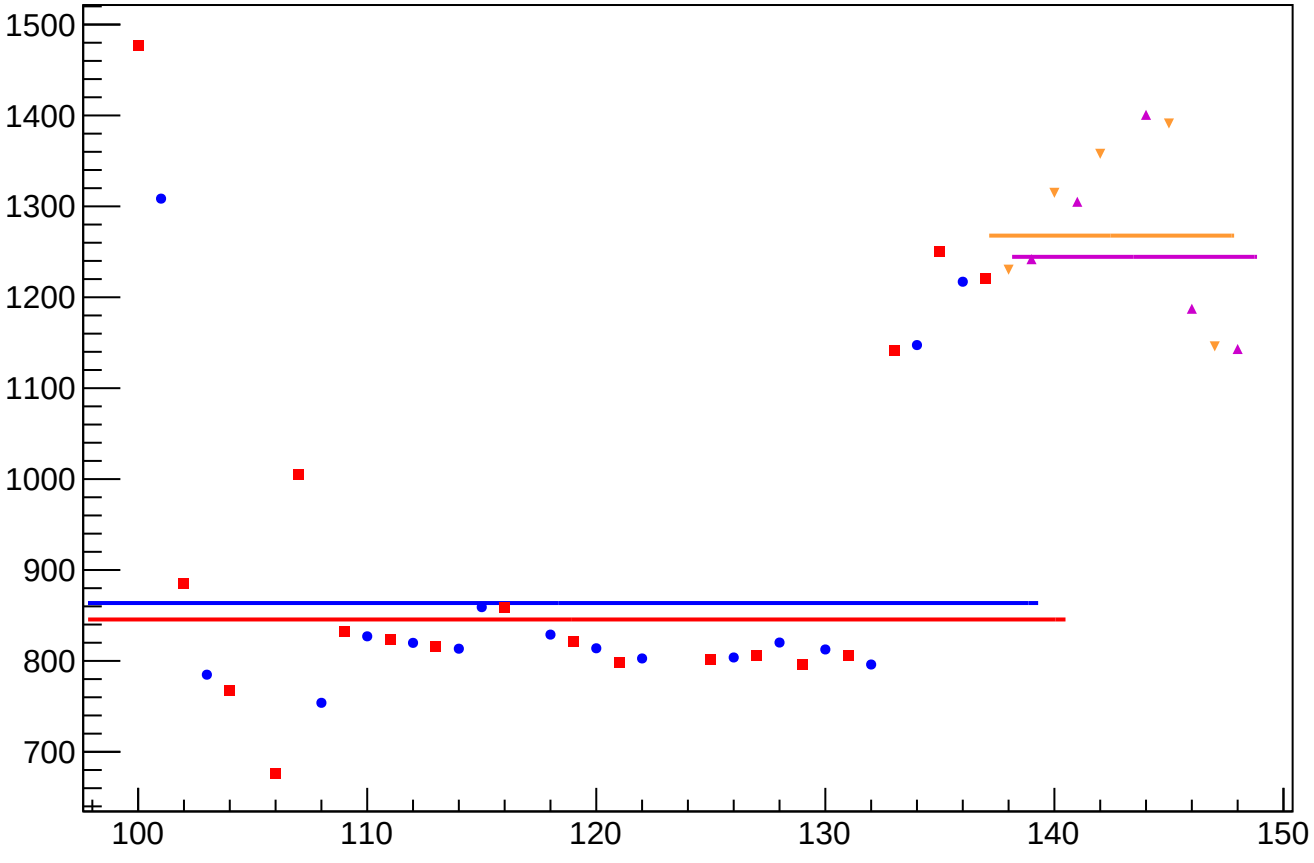
Left In: 496.207+/-596.705 χ^2/NDF:1.0/4

+ sign -69.871+/-292.512 χ^2/NDF: 26.2/20

All: 91.593+/-203.486 χ^2/NDF: 52.3/43

- sign 243.000+/-283.255 χ^2/NDF: 25.6/22

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

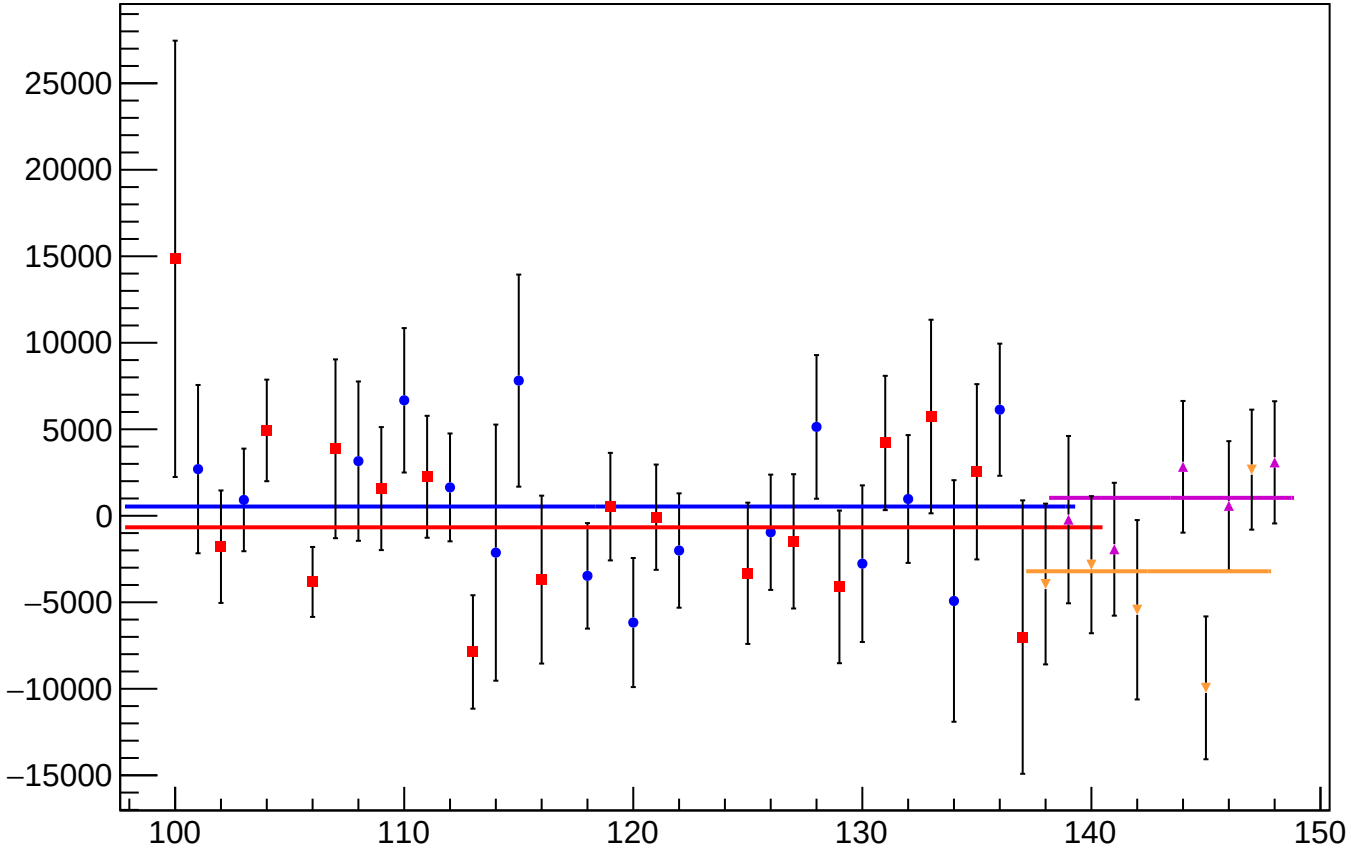
Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

+ sign 942.883+/-0.207 χ^2/NDF: 1048130.2/20

All: 938.124+/-0.143 χ^2/NDF: 2096787.5/43

- sign 933.748+/-0.198 χ^2/NDF: 1047641.2/22

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

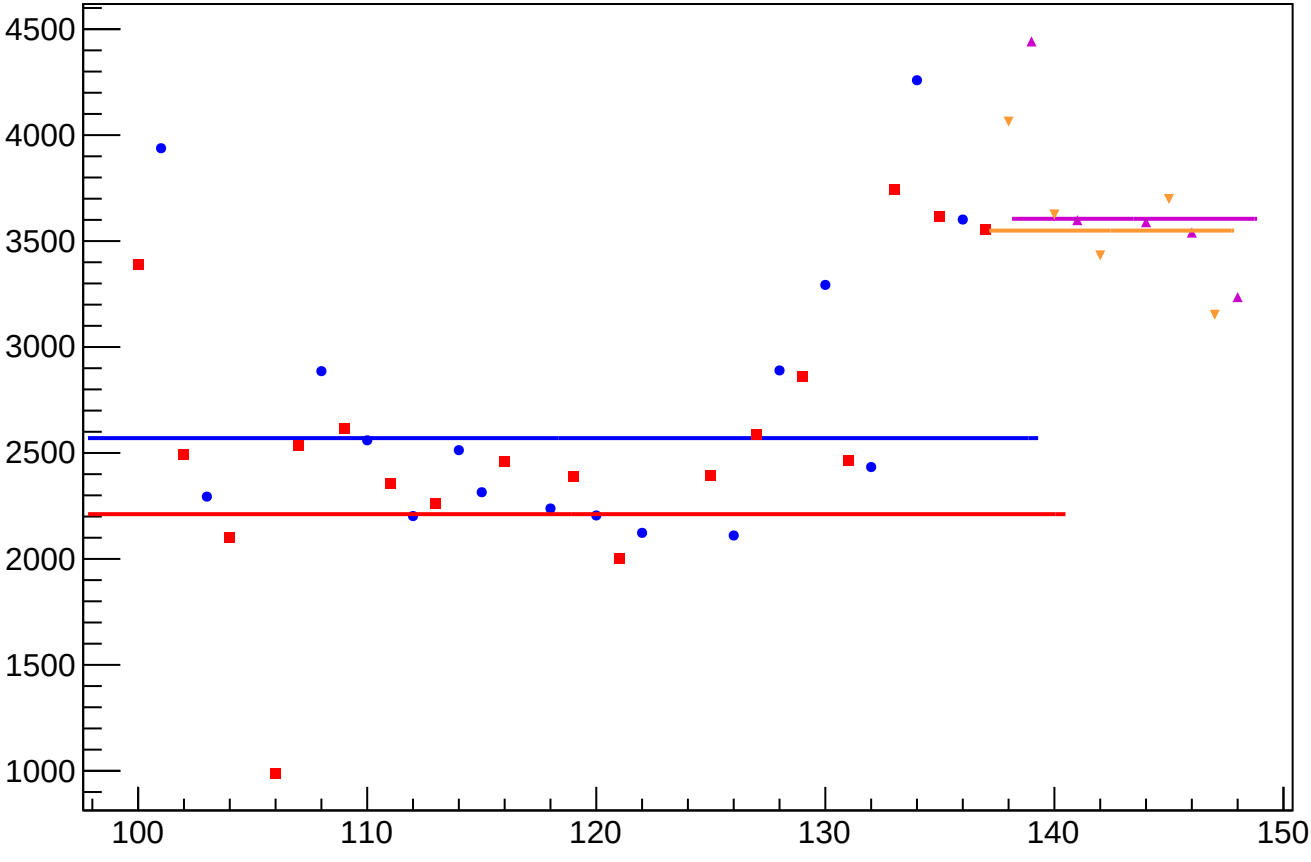
Left In: 1036.829+/-1737.374 χ^2/NDF:1.2/4

+ sign -280.051+/-867.921 χ^2/NDF: 23.6/20

All: -306.565+/-577.794 χ^2/NDF: 45.6/43

- sign -327.667+/-774.314 χ^2/NDF: 22.0/22

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

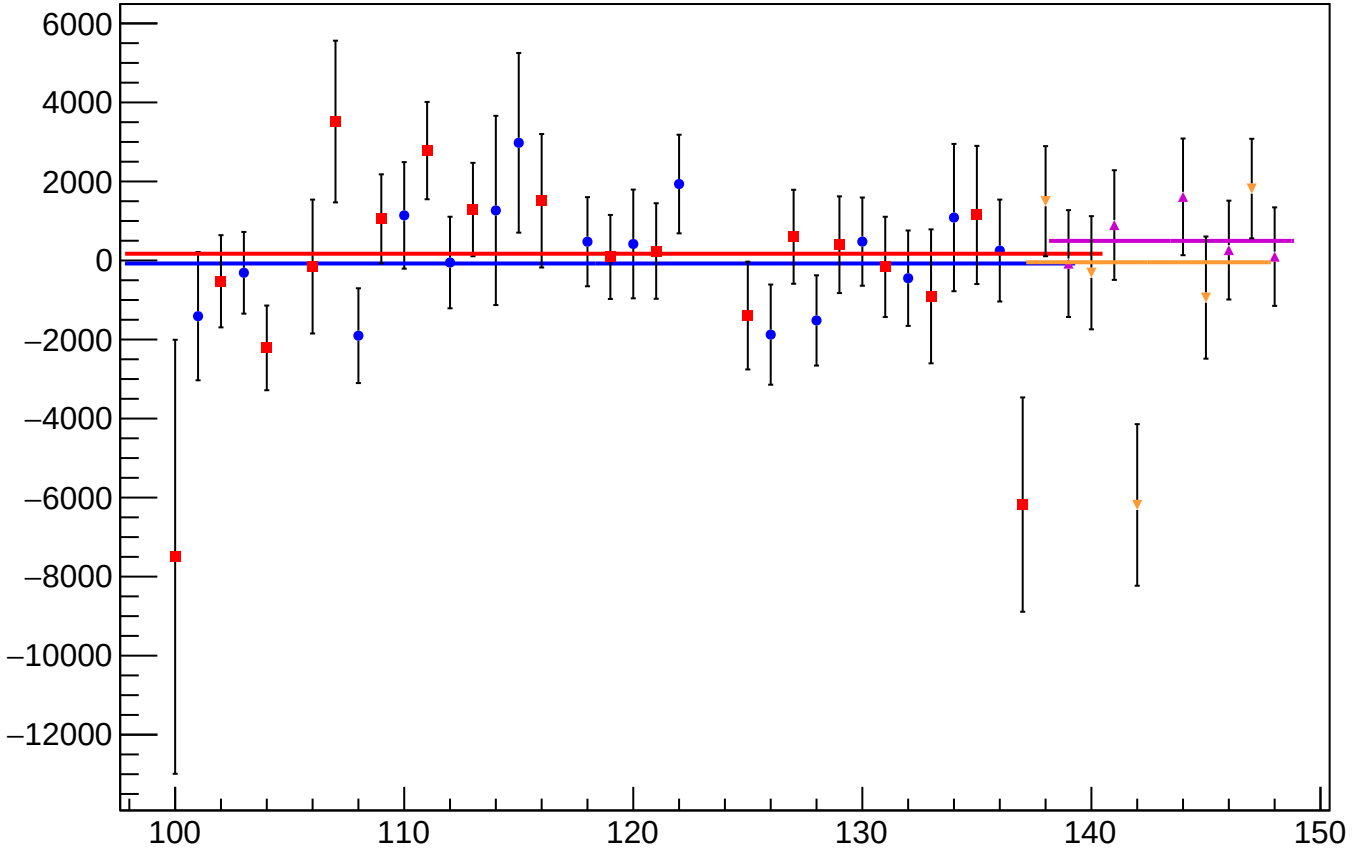
Left In: 3605.126+/-1.229 χ^2/NDF:82448.5/4

+ sign 2783.359+/-0.614 χ^2/NDF: 1151289.0/20

All: 2618.973+/-0.409 χ^2/NDF: 3658278.5/43

- sign 2488.133+/-0.548 χ^2/NDF: 2378138.0/22

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

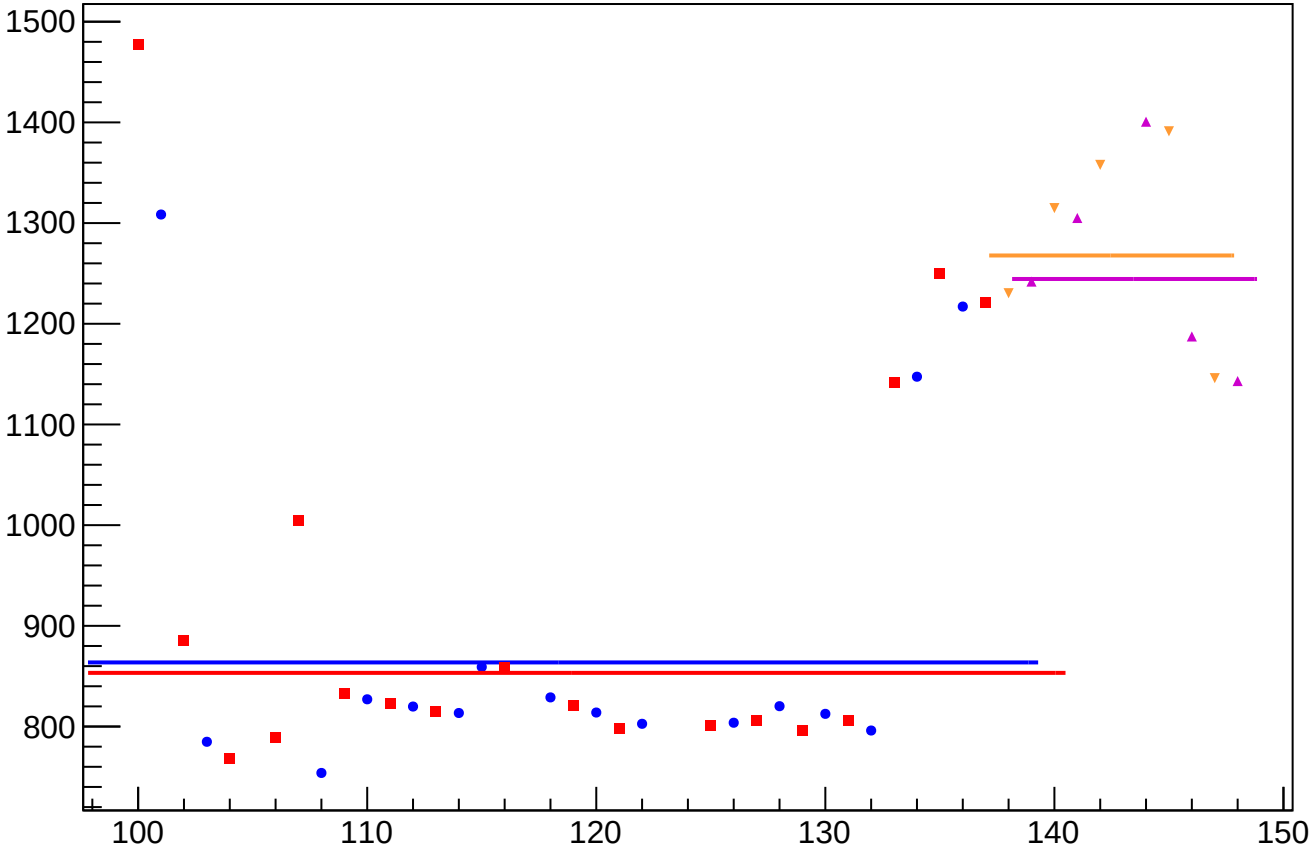
Left In: 496.211+/-596.705 χ^2/NDF:1.0/4

+ sign -69.964+/-292.512 χ^2/NDF: 26.2/20

All: 92.202+/-203.487 χ^2/NDF: 52.3/43

- sign 244.271+/-283.259 χ^2/NDF: 25.6/22

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

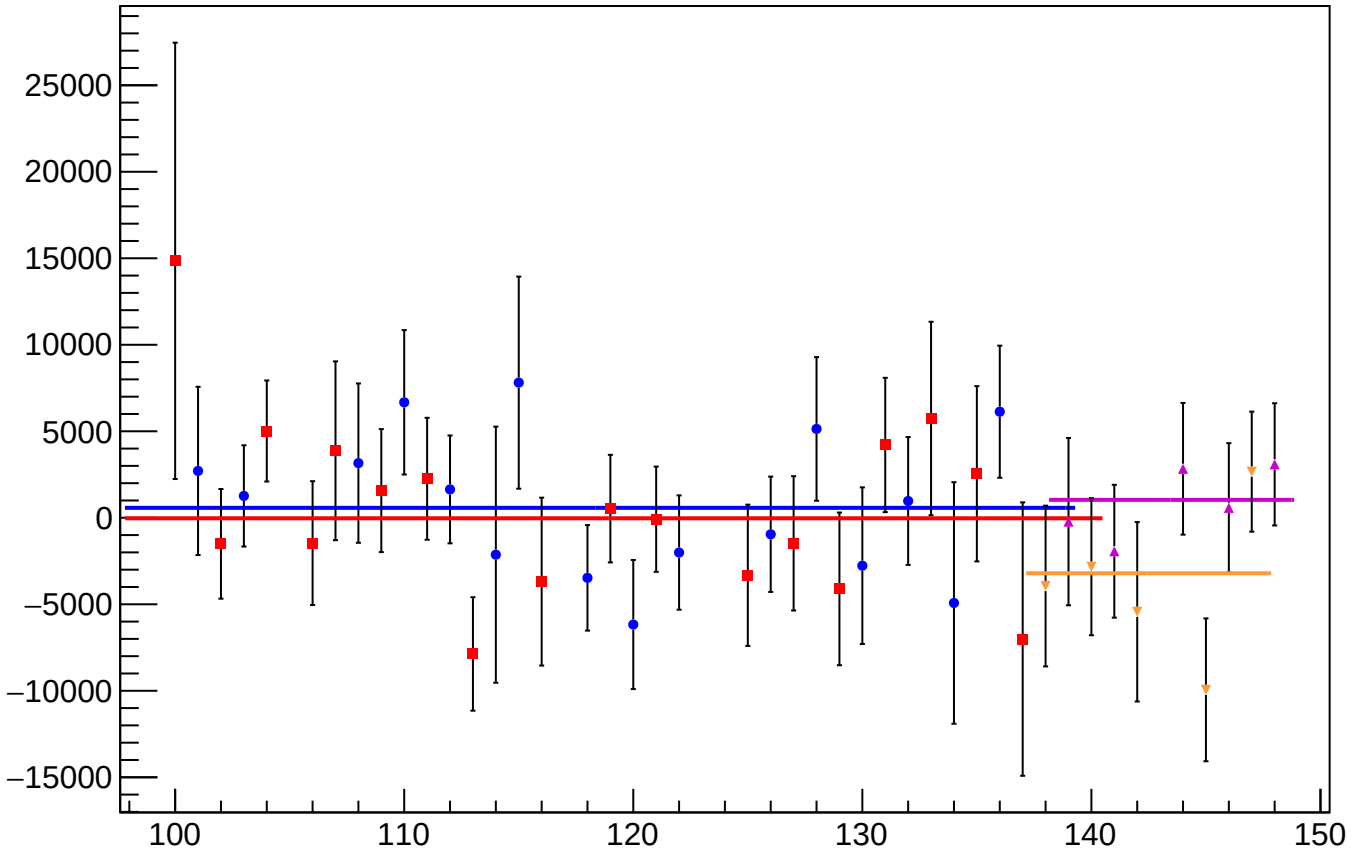
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

\+ sign 942.883+/-0.207 χ^2/NDF: 1048130.1/20

All: 941.772+/-0.144 χ^2/NDF: 2034591.4/43

\- sign 940.738+/-0.199 χ^2/NDF: 986405.6/22



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

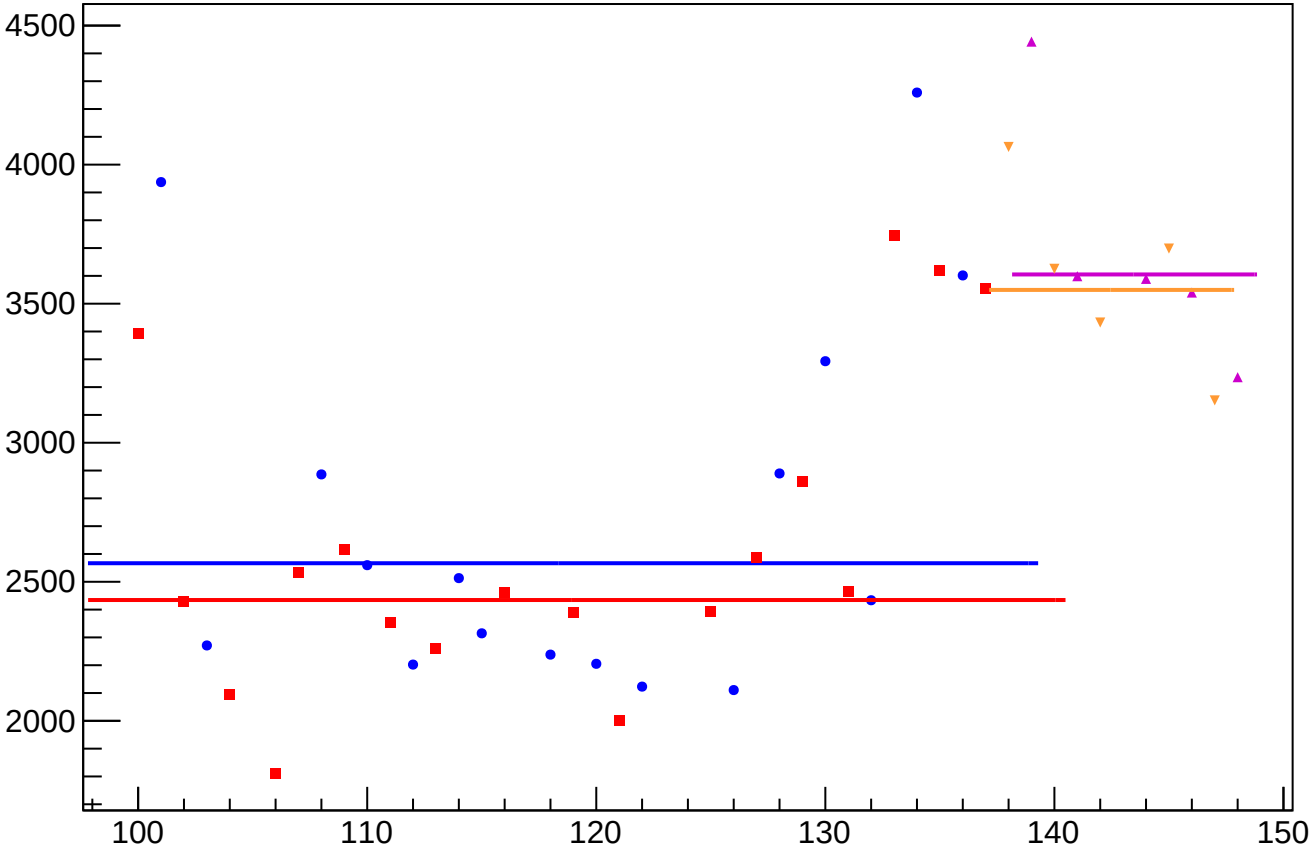
Left In: 1036.808+/-1737.373 χ^2/NDF:1.2/4

+ sign -246.546+/-866.928 χ^2/NDF: 23.7/20

All: -6.412+/-593.609 χ^2/NDF: 42.6/43

- sign 205.558+/-814.502 χ^2/NDF: 18.7/22

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

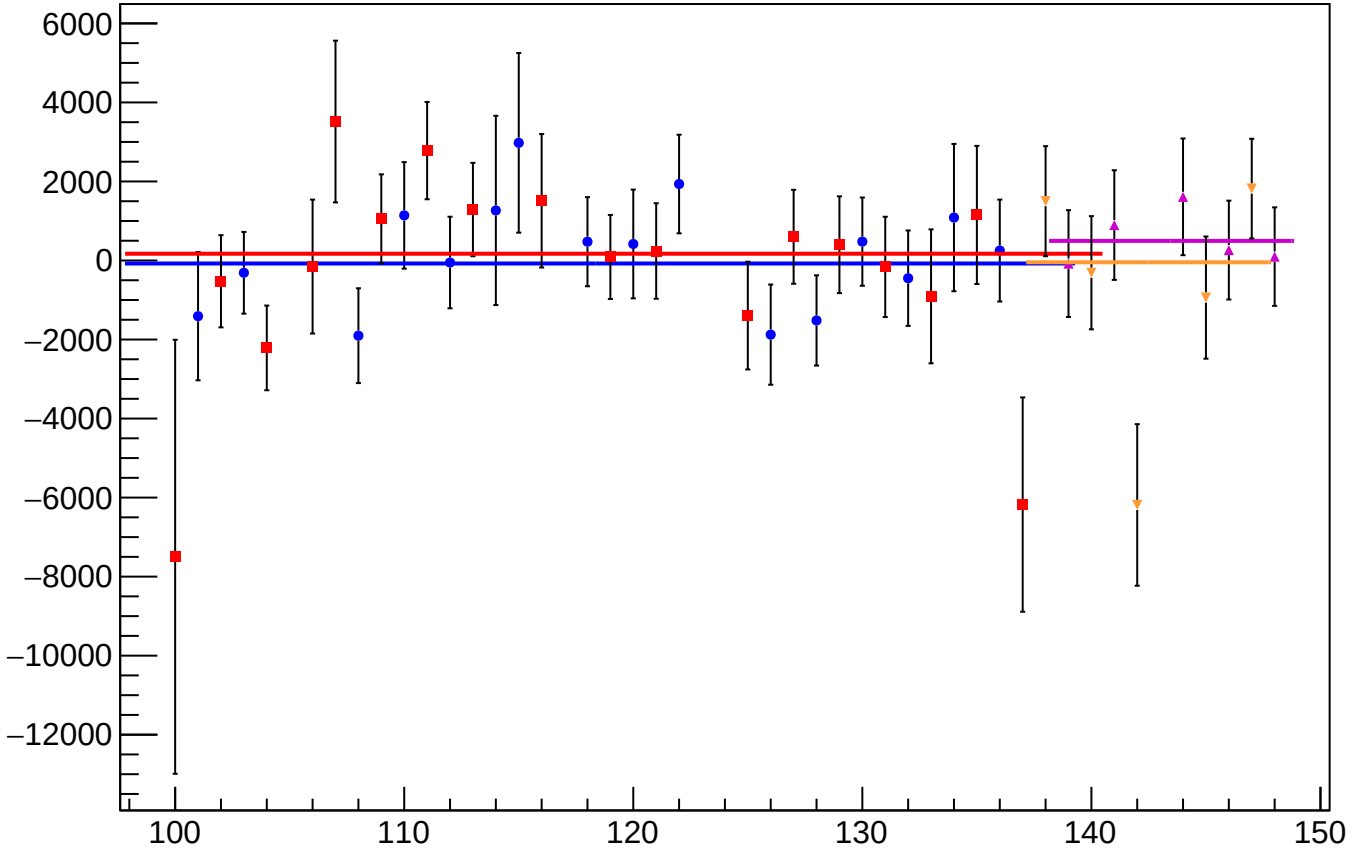
Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

+ sign 2780.208+/-0.613 χ^2/NDF: 1157980.2/20

All: 2733.214+/-0.420 χ^2/NDF: 2394079.3/43

- sign 2691.731+/-0.576 χ^2/NDF: 1225034.3/22

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

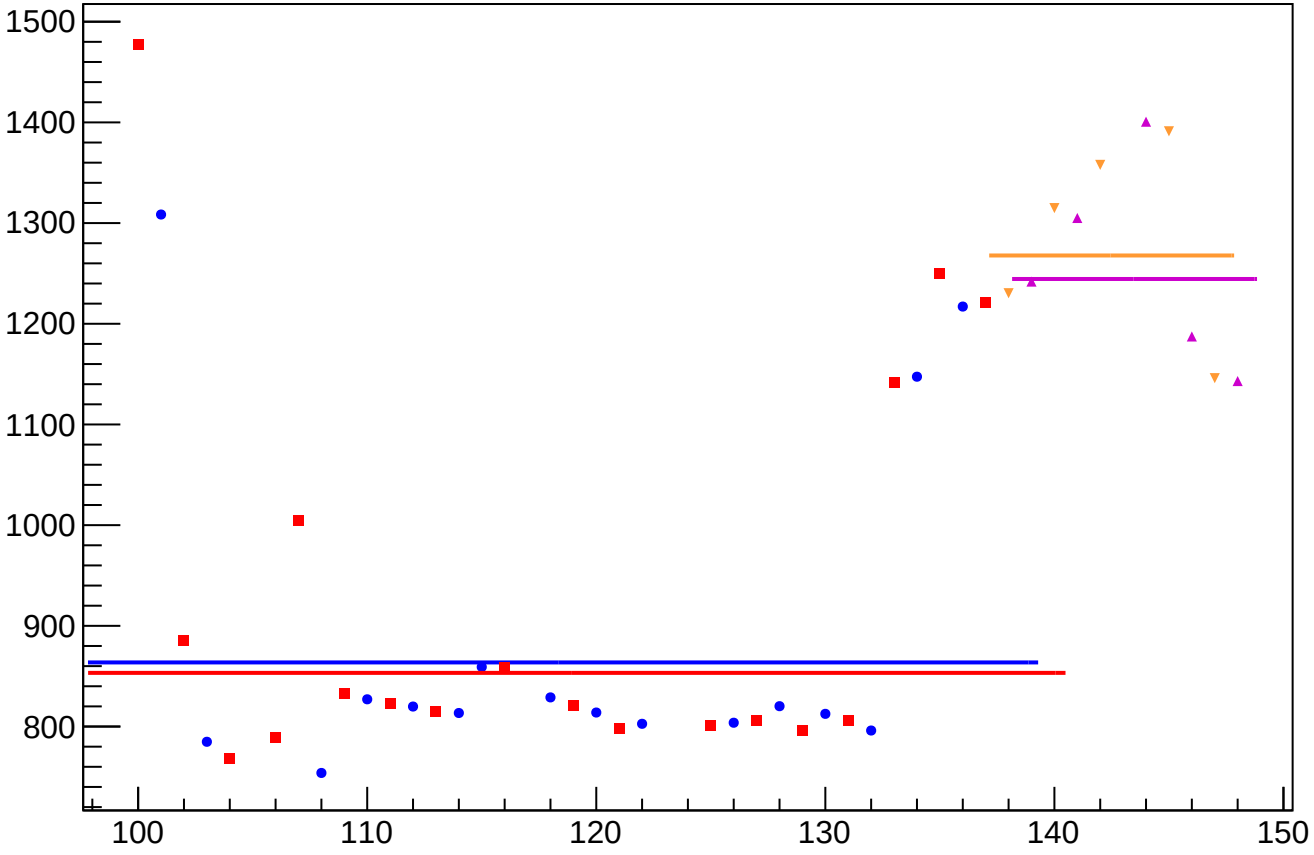
Left In: 496.211+/-596.705 χ^2/NDF:1.0/4

+ sign -69.964+/-292.512 χ^2/NDF: 26.2/20

All: 92.202+/-203.487 χ^2/NDF: 52.3/43

- sign 244.271+/-283.259 χ^2/NDF: 25.6/22

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

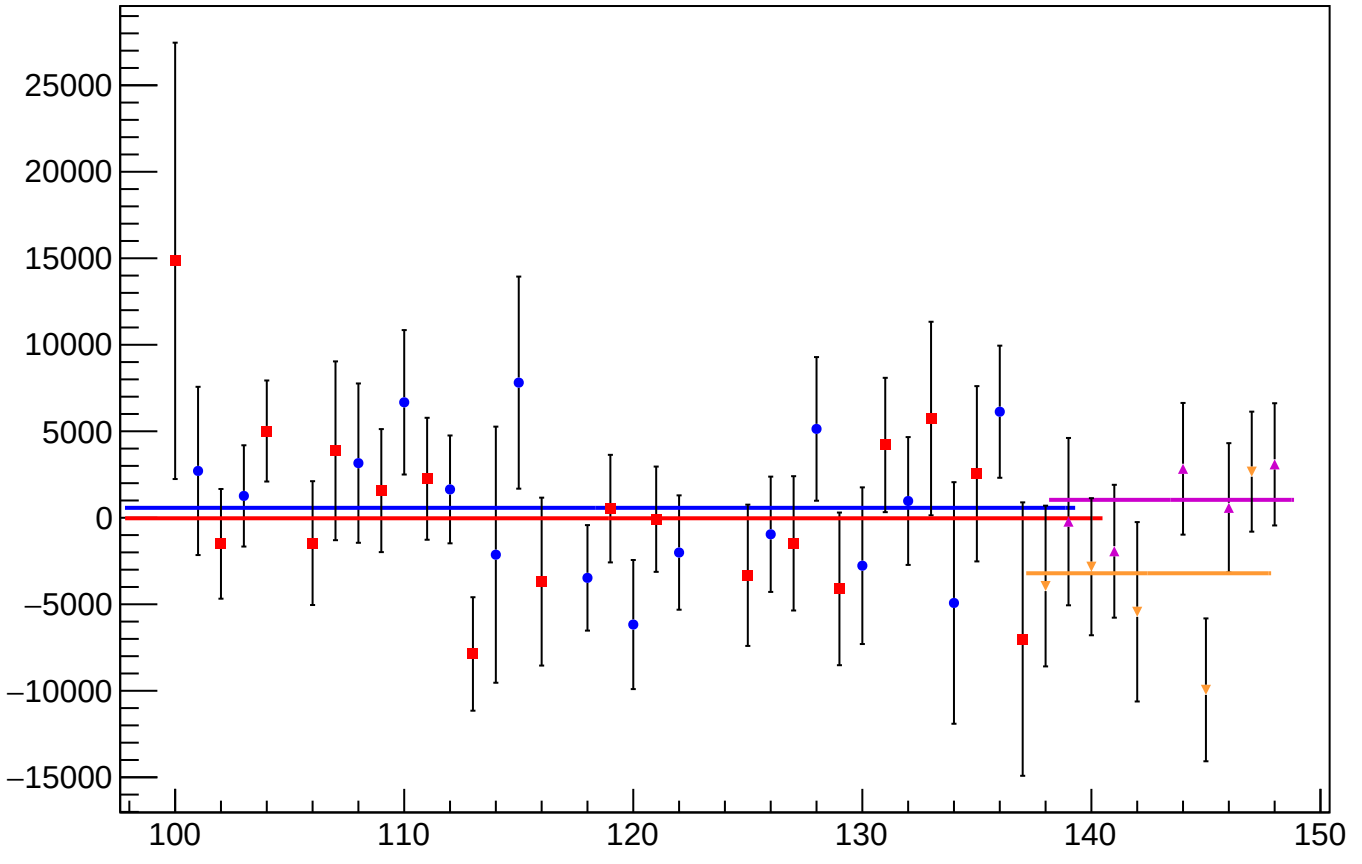
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

+ sign 942.883+/-0.207 χ^2/NDF: 1048130.1/20

All: 941.772+/-0.144 χ^2/NDF: 2034591.4/43

- sign 940.738+/-0.199 χ^2/NDF: 986405.6/22



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

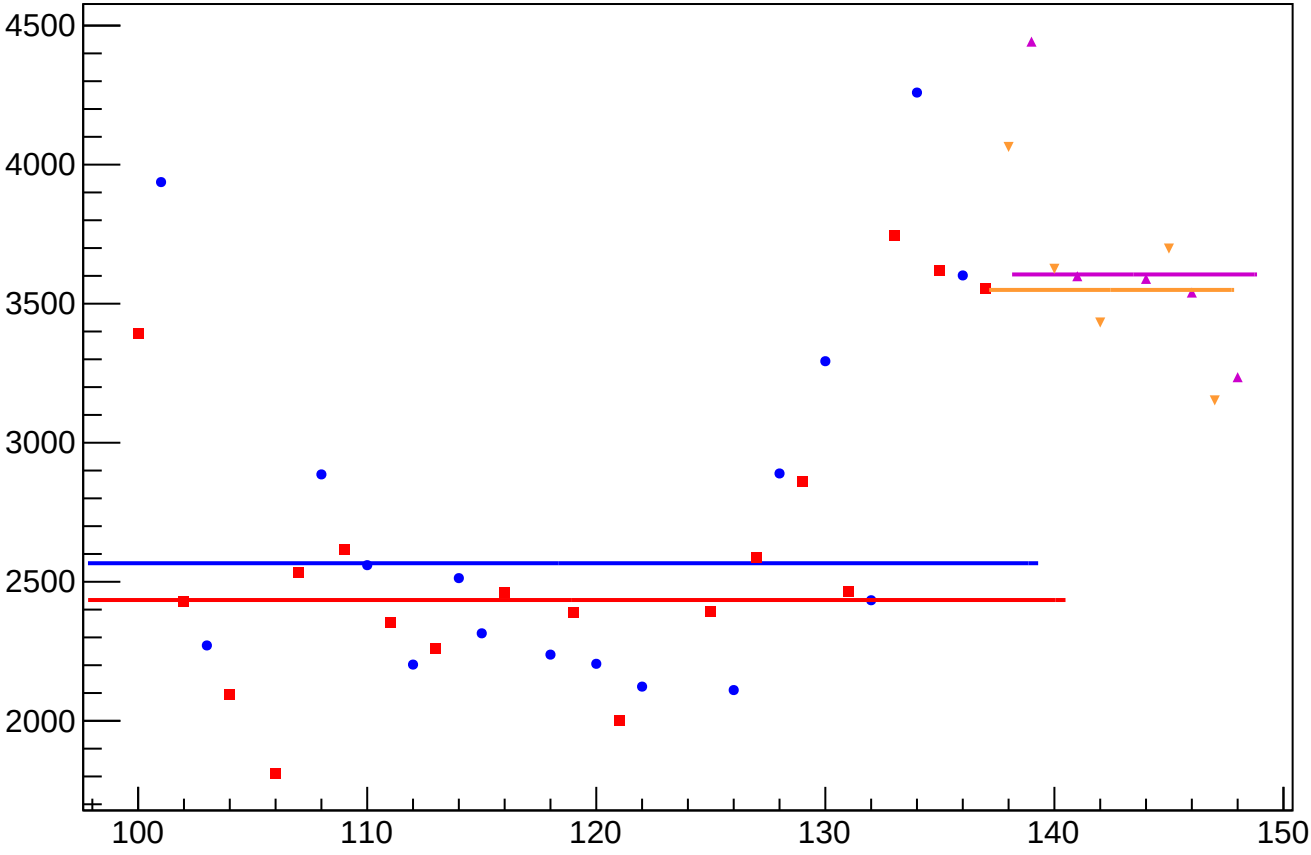
Left In: 1036.808+/-1737.373 χ^2/NDF:1.2/4

+ sign -246.546+/-866.928 χ^2/NDF: 23.7/20

All: -6.412+/-593.609 χ^2/NDF: 42.6/43

- sign 205.558+/-814.502 χ^2/NDF: 18.7/22

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

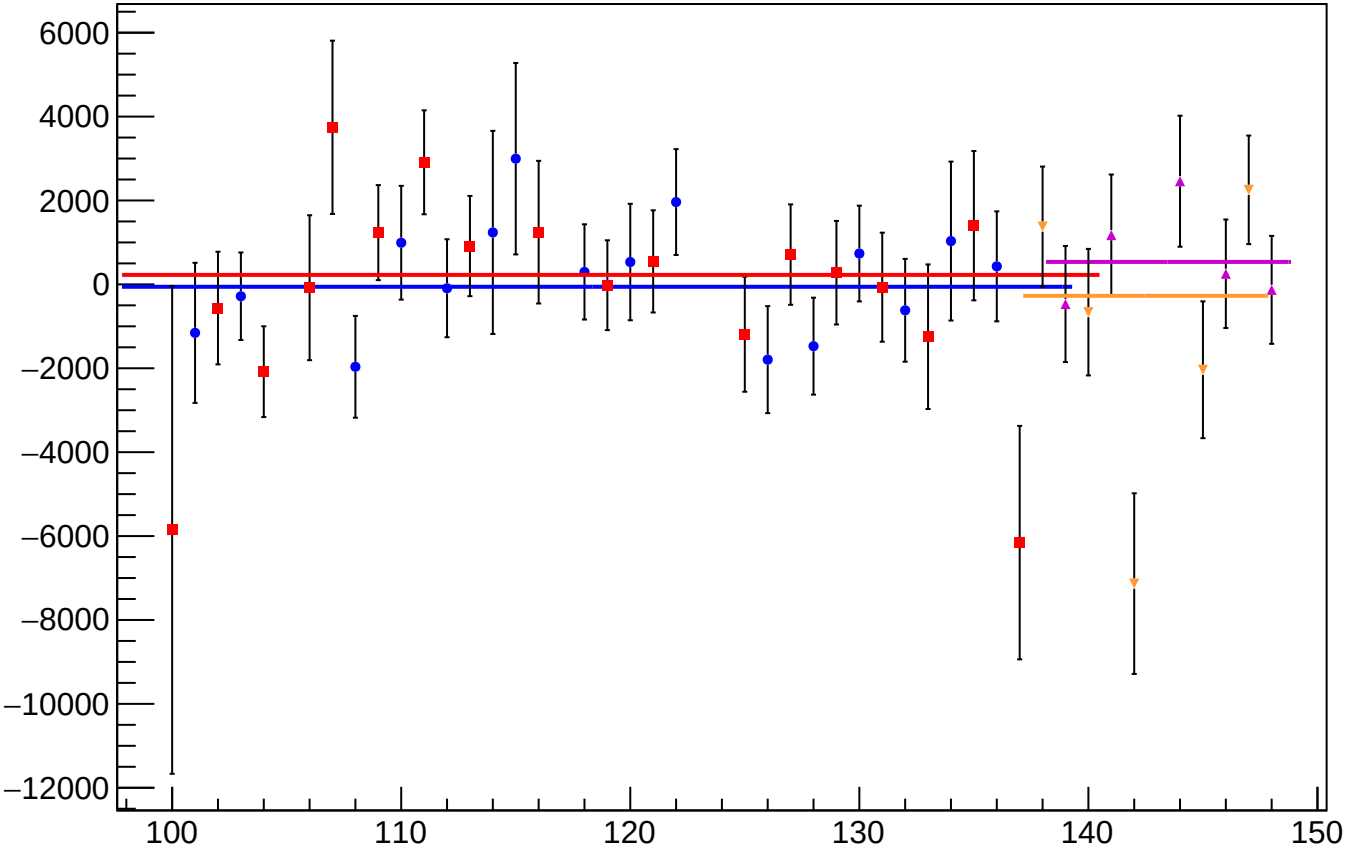
Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

+ sign 2780.208+/-0.613 χ^2/NDF: 1157980.2/20

All: 2733.214+/-0.420 χ^2/NDF: 2394079.3/43

- sign 2691.731+/-0.576 χ^2/NDF: 1225034.3/22

dit_asym_usl_atl2_dd_mean vs Slug



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

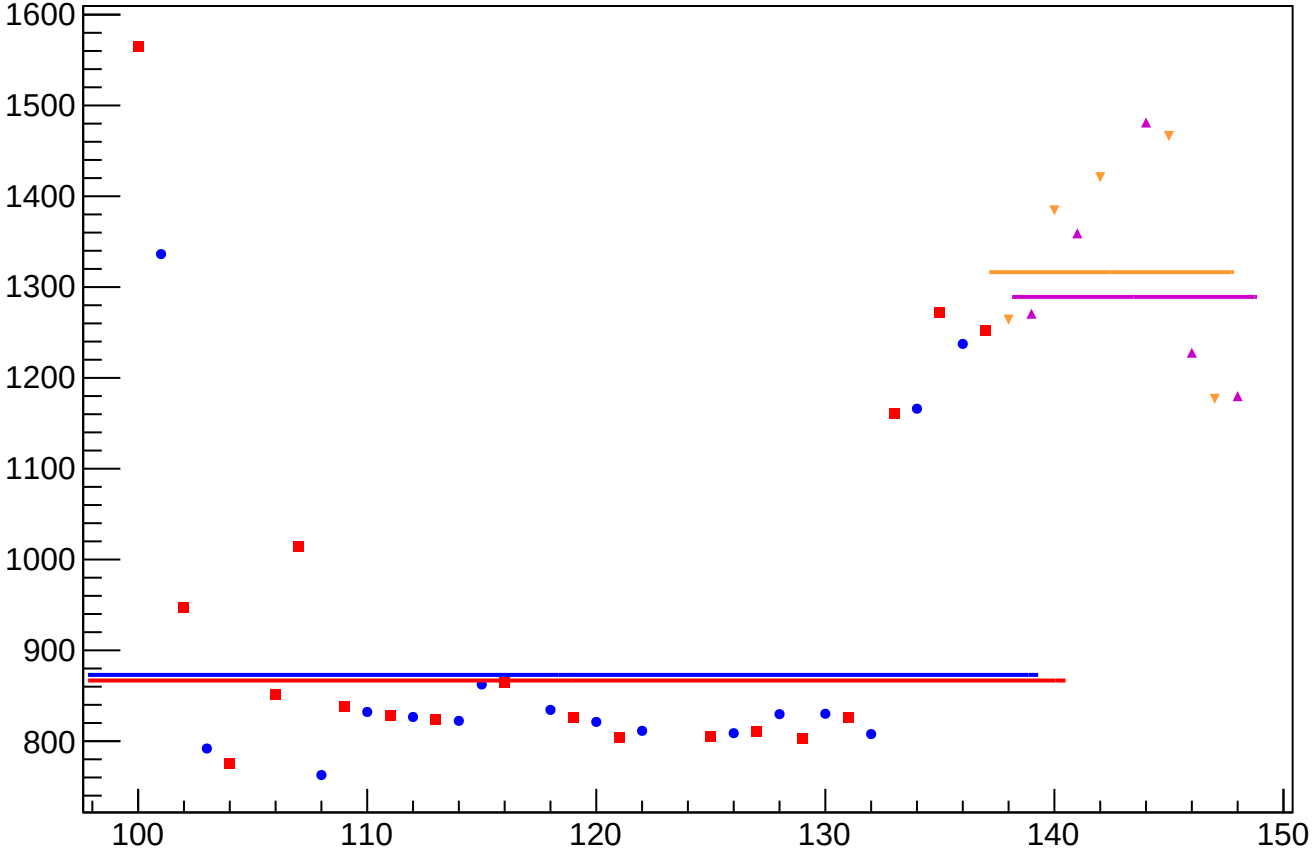
Left In: 535.510+/-618.654 χ^2/NDF:2.6/4

+ sign -97.610+/-297.551 χ^2/NDF: 29.6/20

All: 103.333+/-207.619 χ^2/NDF: 56.1/43

- sign 293.993+/-289.837 χ^2/NDF: 25.7/22

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

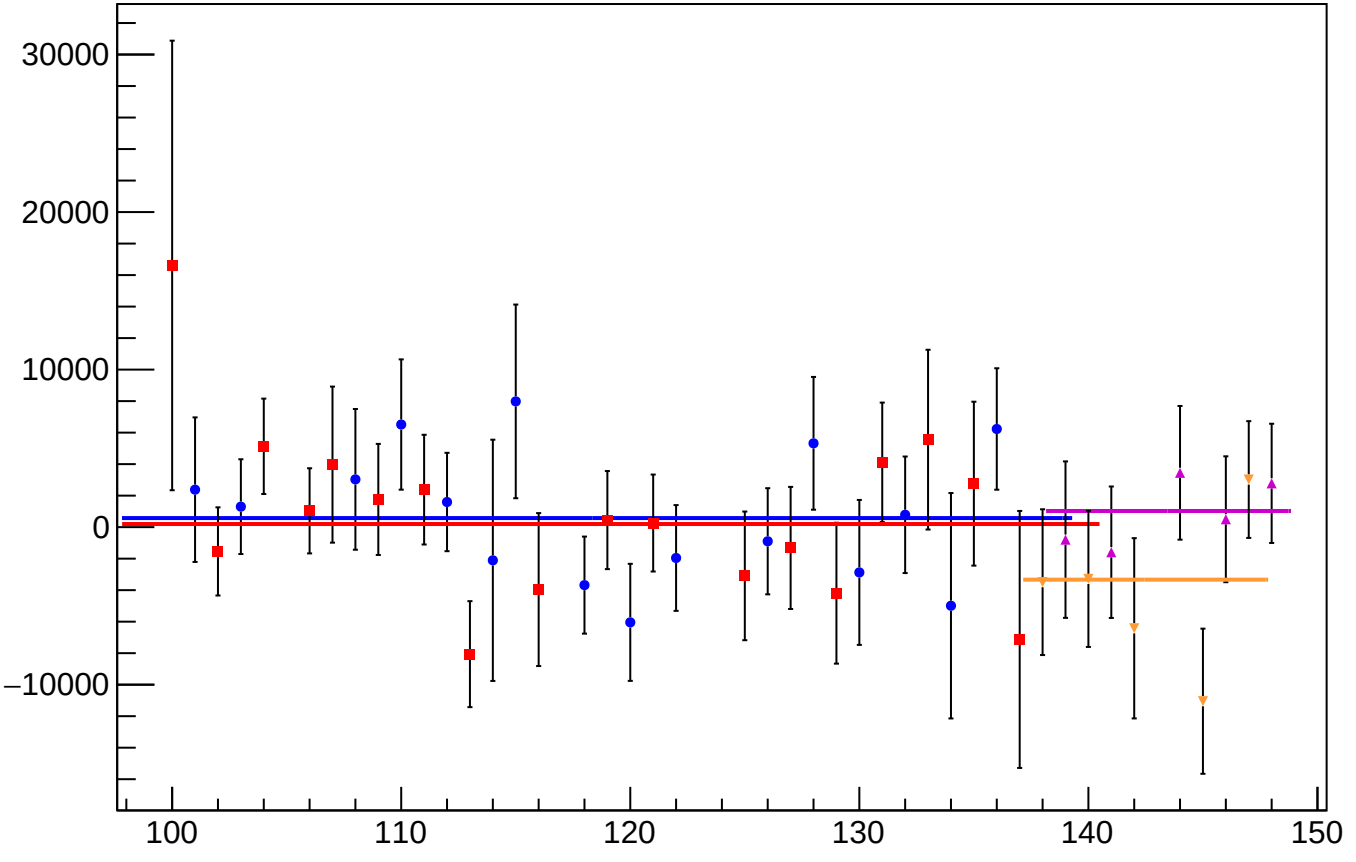
Left In: 1289.172+/-0.437 χ^2/NDF:54260.5/4

+ sign 956.089+/-0.210 χ^2/NDF: 1145281.1/20

All: 957.759+/-0.147 χ^2/NDF: 2218082.3/43

- sign 959.341+/-0.205 χ^2/NDF: 1072678.4/22

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

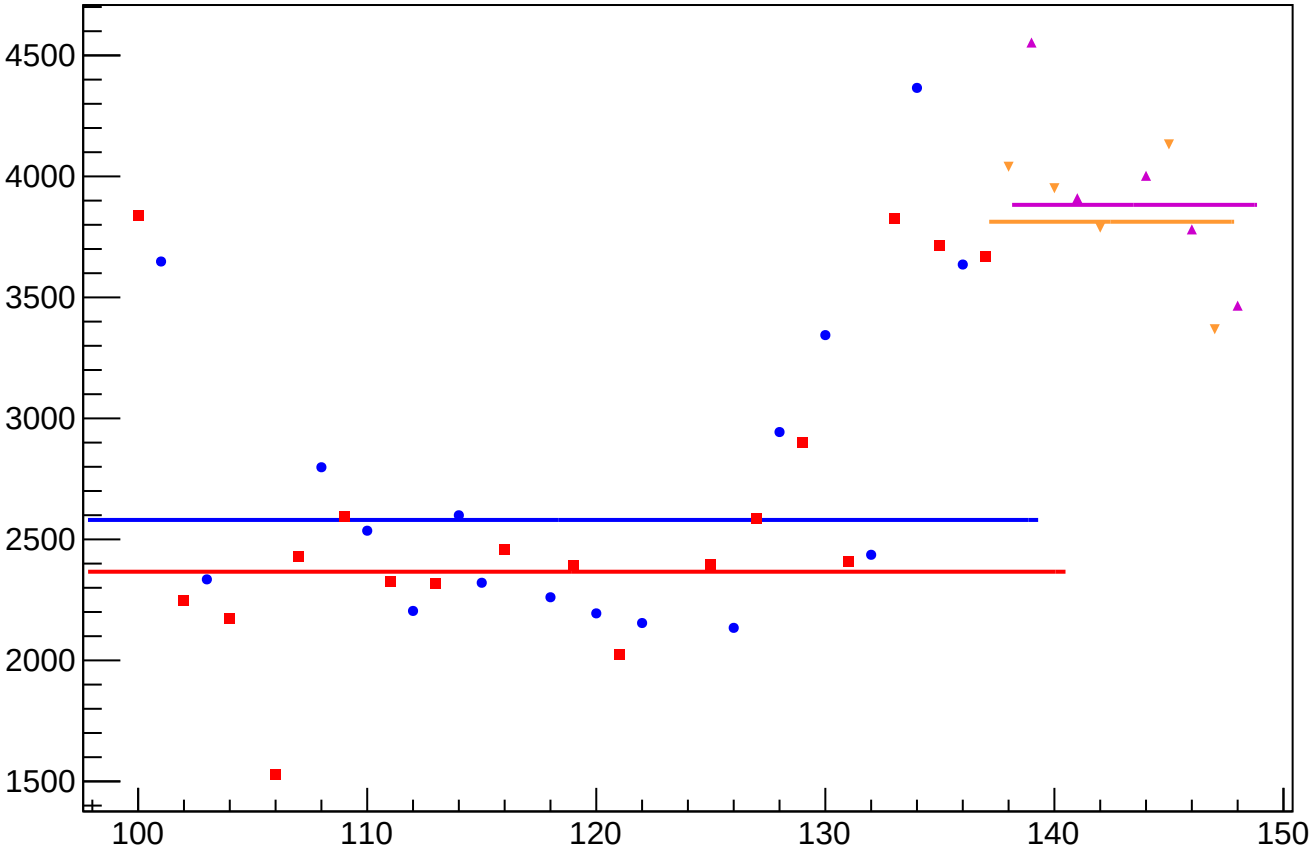
Left In: 1025.736+/-1869.827 χ^2/NDF:1.1/4

+ sign -189.603+/-883.291 χ^2/NDF: 23.8/20

All: 105.718+/-595.640 χ^2/NDF: 42.4/43

- sign 352.008+/-806.641 χ^2/NDF: 18.4/22

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

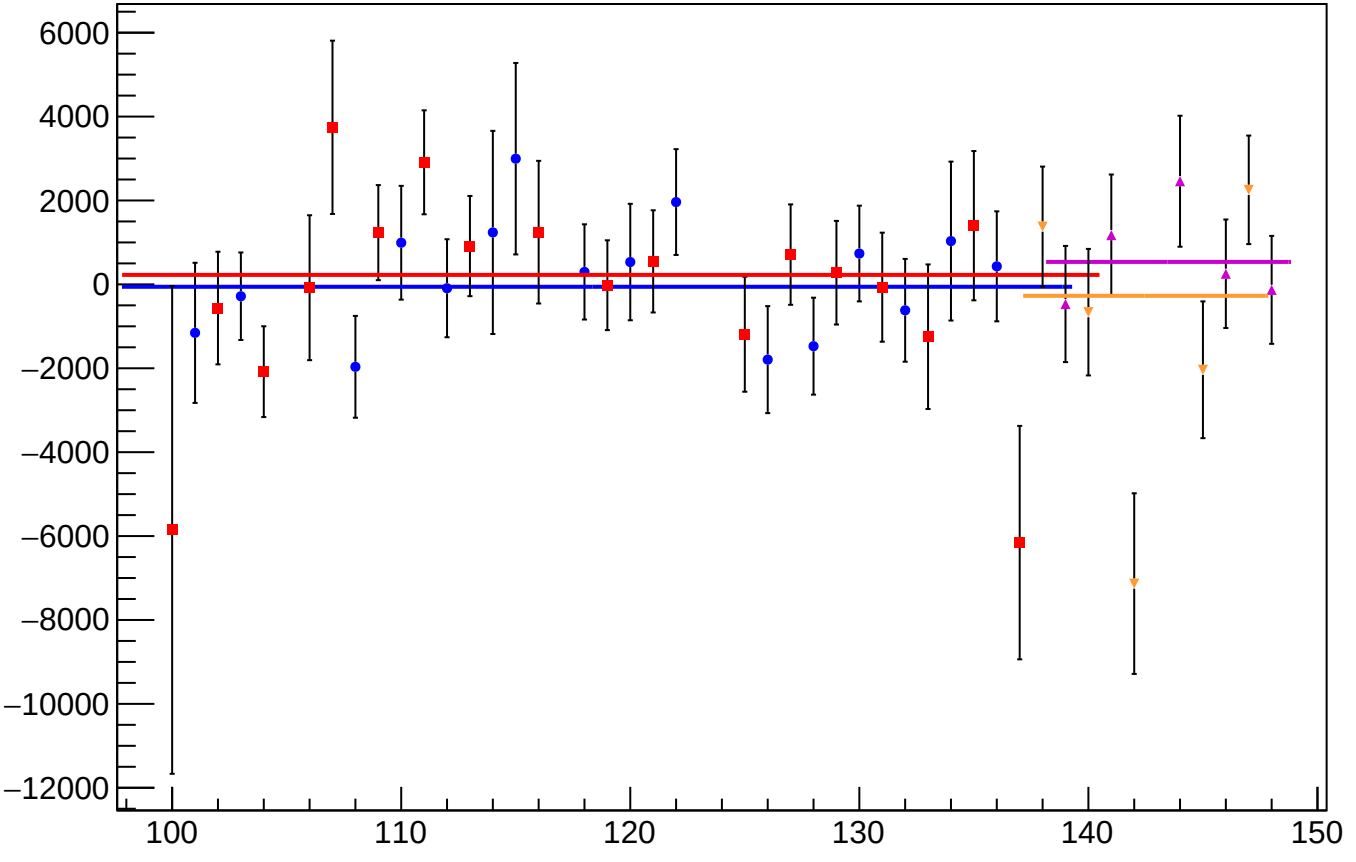
Left In: 3882.459+/-1.322 χ^2/NDF:63711.6/4

+ sign 2821.499+/-0.625 χ^2/NDF: 1275084.2/20

All: 2727.200+/-0.421 χ^2/NDF: 3062387.2/43

- sign 2648.556+/-0.570 χ^2/NDF: 1745497.4/22

eigen_dit_asym_usl_atl2_dd_mean vs Slug



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

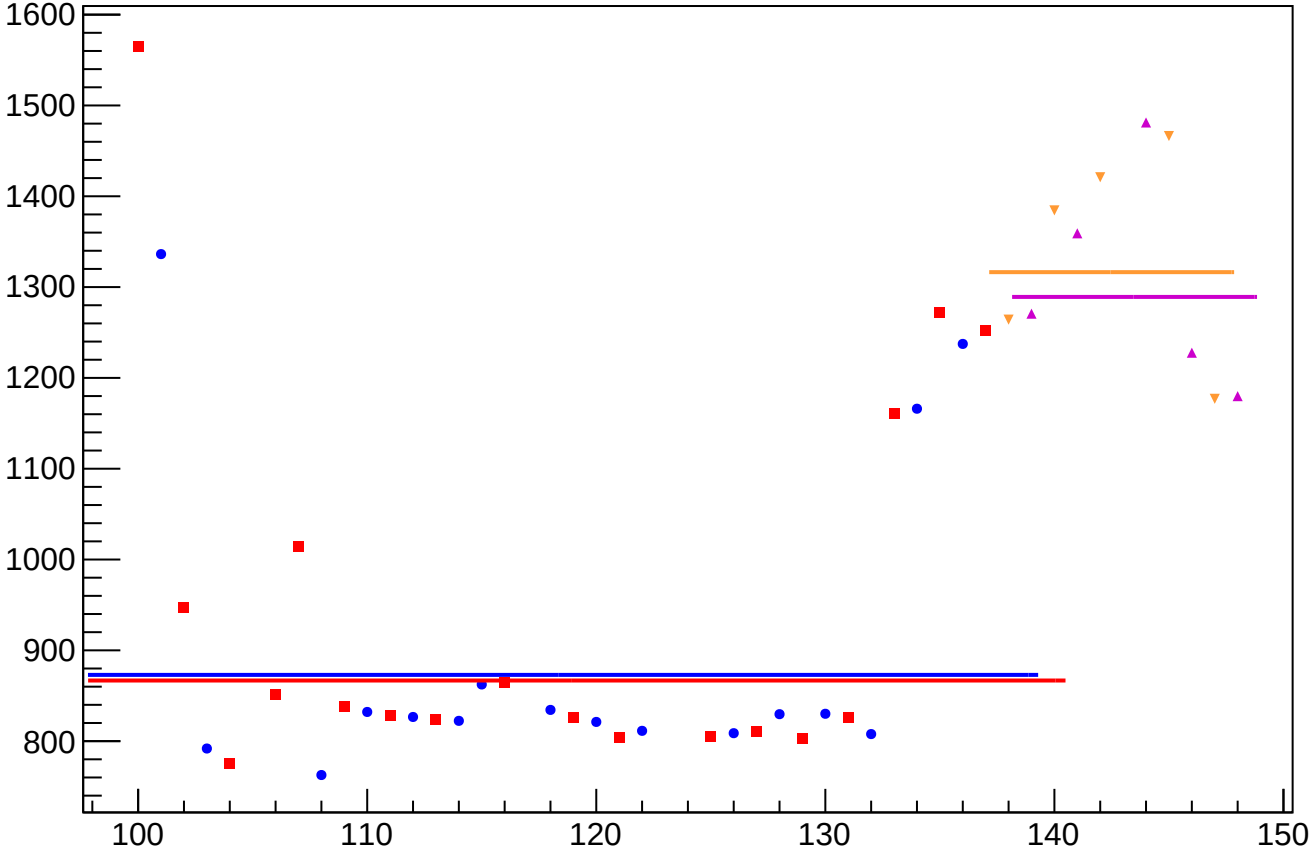
Left In: 535.511+/-618.654 χ^2/NDF:2.6/4

+ sign -97.614+/-297.551 χ^2/NDF: 29.6/20

All: 103.333+/-207.620 χ^2/NDF: 56.1/43

- sign 293.995+/-289.837 χ^2/NDF: 25.7/22

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

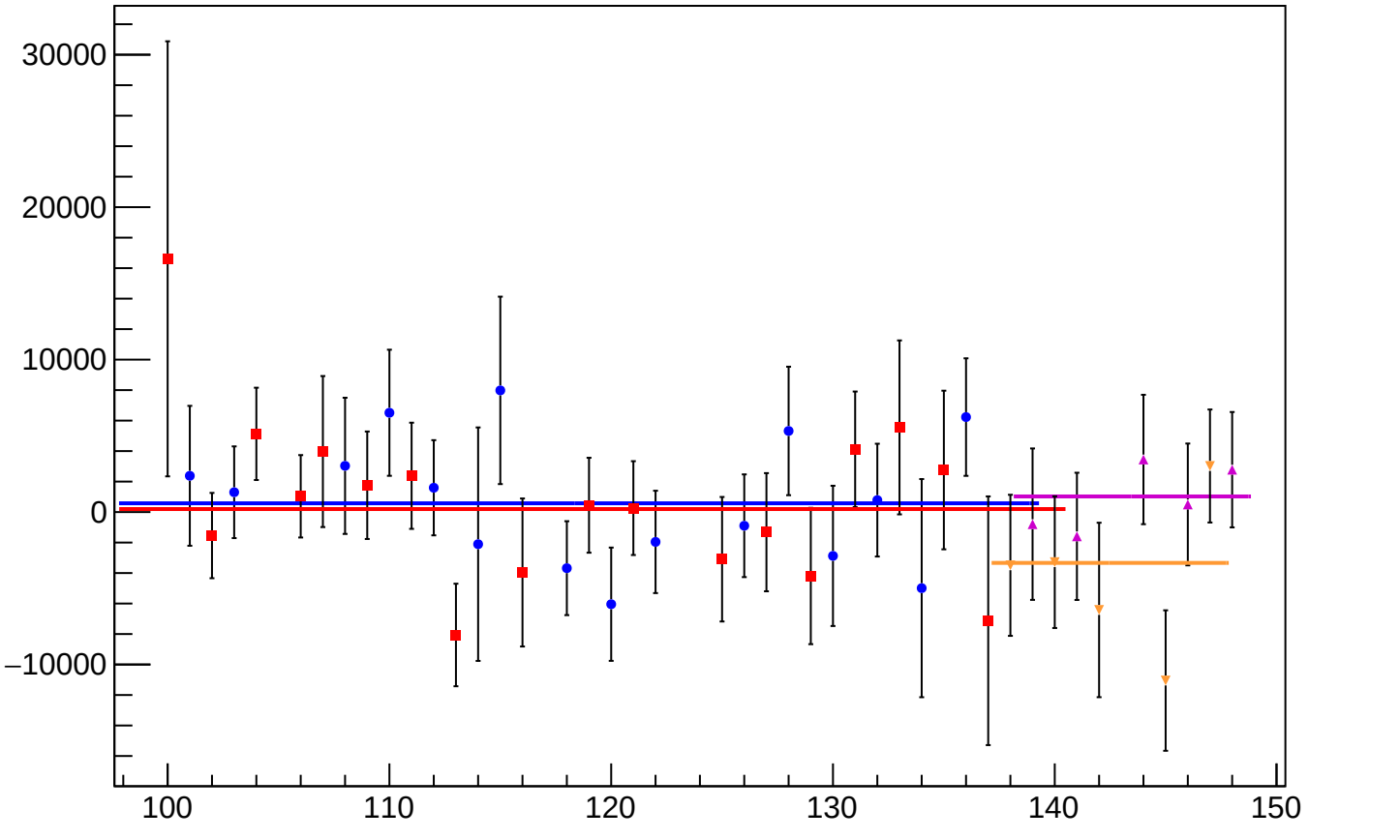
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1289.173+/-0.437 χ^2/NDF:54261.2/4

+ sign 956.089+/-0.210 χ^2/NDF: 1145283.9/20

All: 957.759+/-0.147 χ^2/NDF: 2218088.3/43

- sign 959.341+/-0.205 χ^2/NDF: 1072681.7/22



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3333.707+/-1996.829 χ^2/NDF:6.0/4

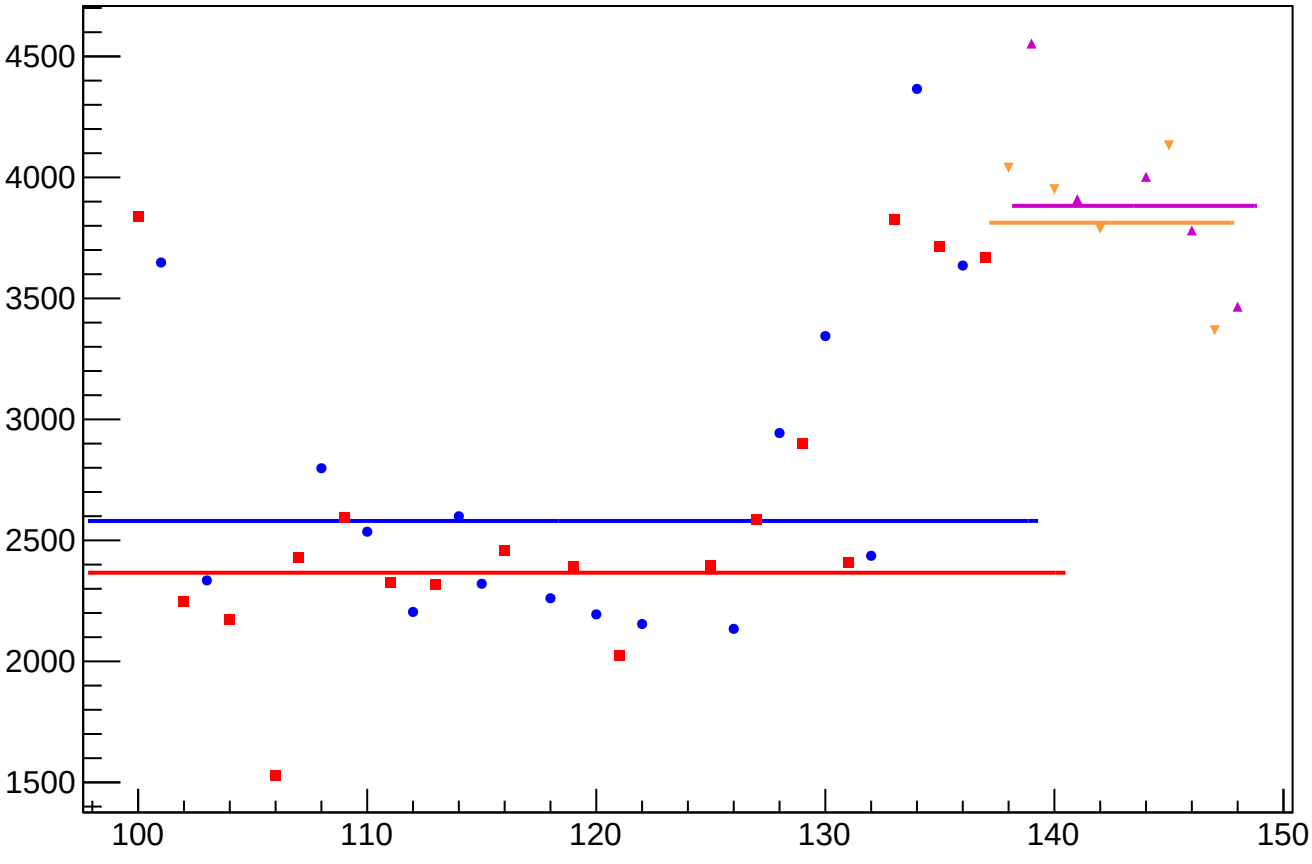
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 1025.738+/-1869.830 χ^2/NDF:1.1/4

+ sign -189.602+/-883.289 χ^2/NDF: 23.8/20

All: 105.718+/-595.639 χ^2/NDF: 42.4/43

- sign 352.008+/-806.640 χ^2/NDF: 18.4/22



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

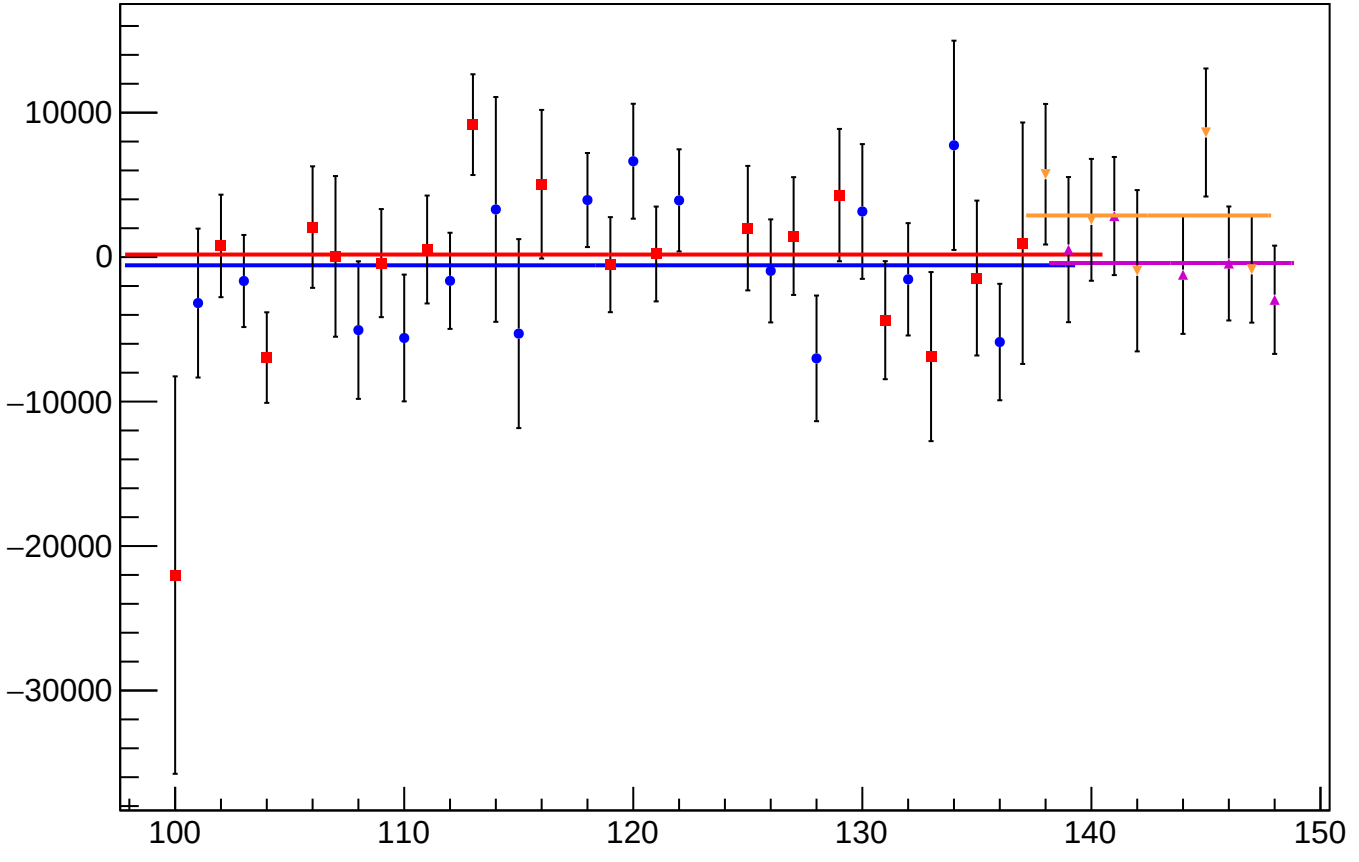
Left In: 3882.464+/-1.322 χ^2/NDF:63713.5/4

+ sign 2821.492+/-0.625 χ^2/NDF: 1275107.4/20

All: 2727.193+/-0.421 χ^2/NDF: 3062431.7/43

- sign 2648.550+/-0.570 χ^2/NDF: 1745518.9/22

asym_usl_atl2_dd_mean vs Slug



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

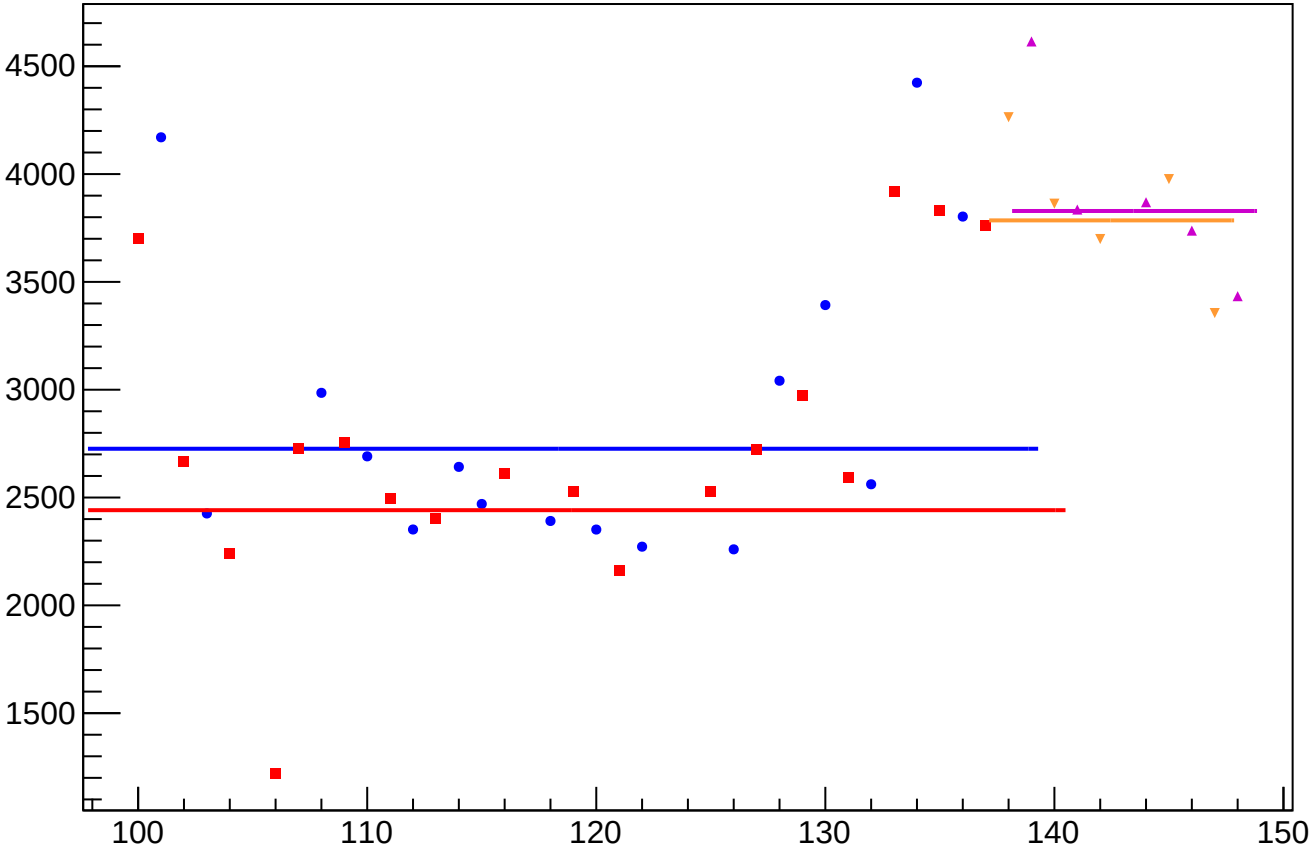
Left In: -408.770+/-1842.850 χ^2/NDF:1.2/4

\+ sign 179.343+/-921.036 χ^2/NDF: 22.1/20

All: 109.678+/-632.848 χ^2/NDF: 42.9/43

\- sign 47.372+/-871.021 χ^2/NDF: 20.8/22

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

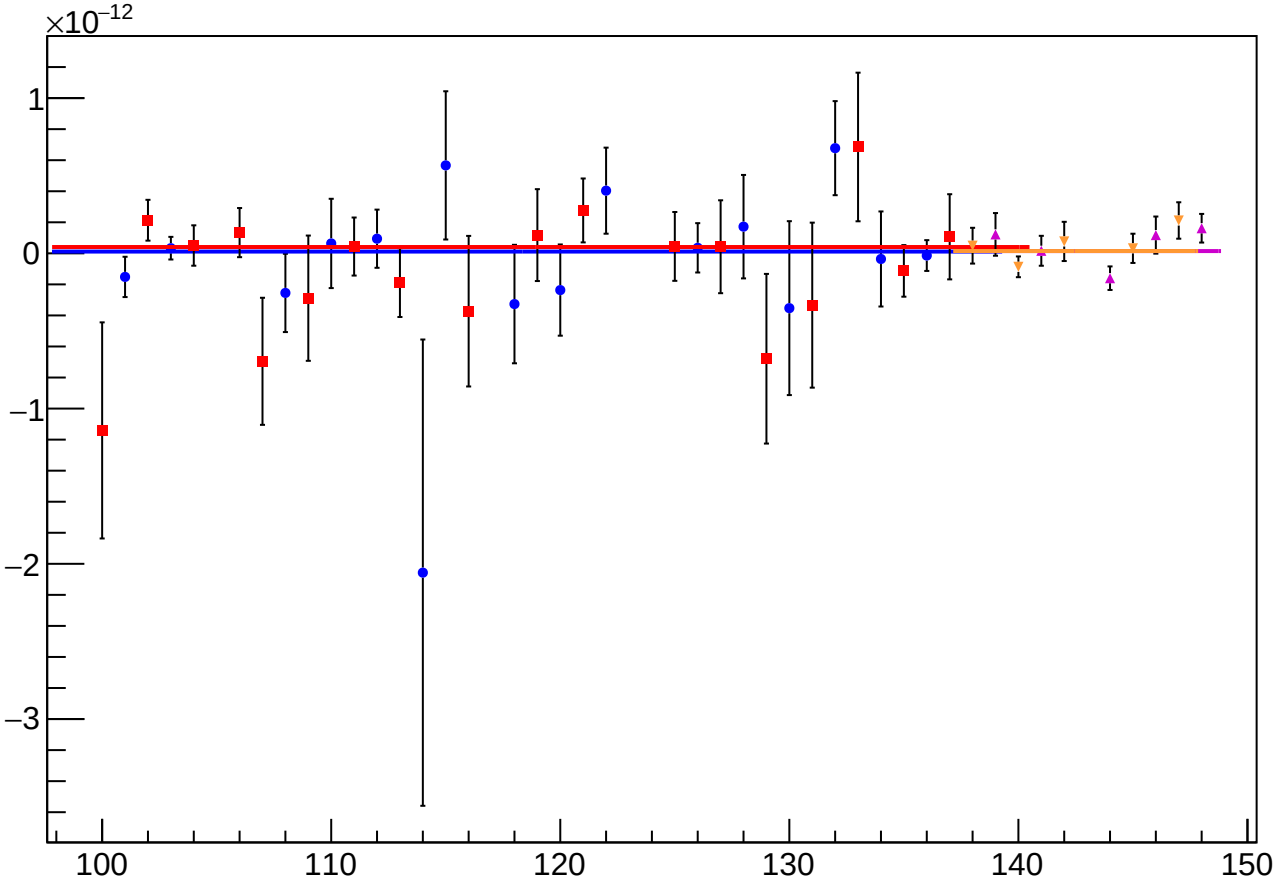
Left In: 3828.819+/-1.303 χ^2/NDF:72475.3/4

+ sign 2955.157+/-0.651 χ^2/NDF: 1122438.9/20

All: 2831.844+/-0.439 χ^2/NDF: 3050039.2/43

- sign 2729.369+/-0.594 χ^2/NDF: 1861957.1/22

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/4

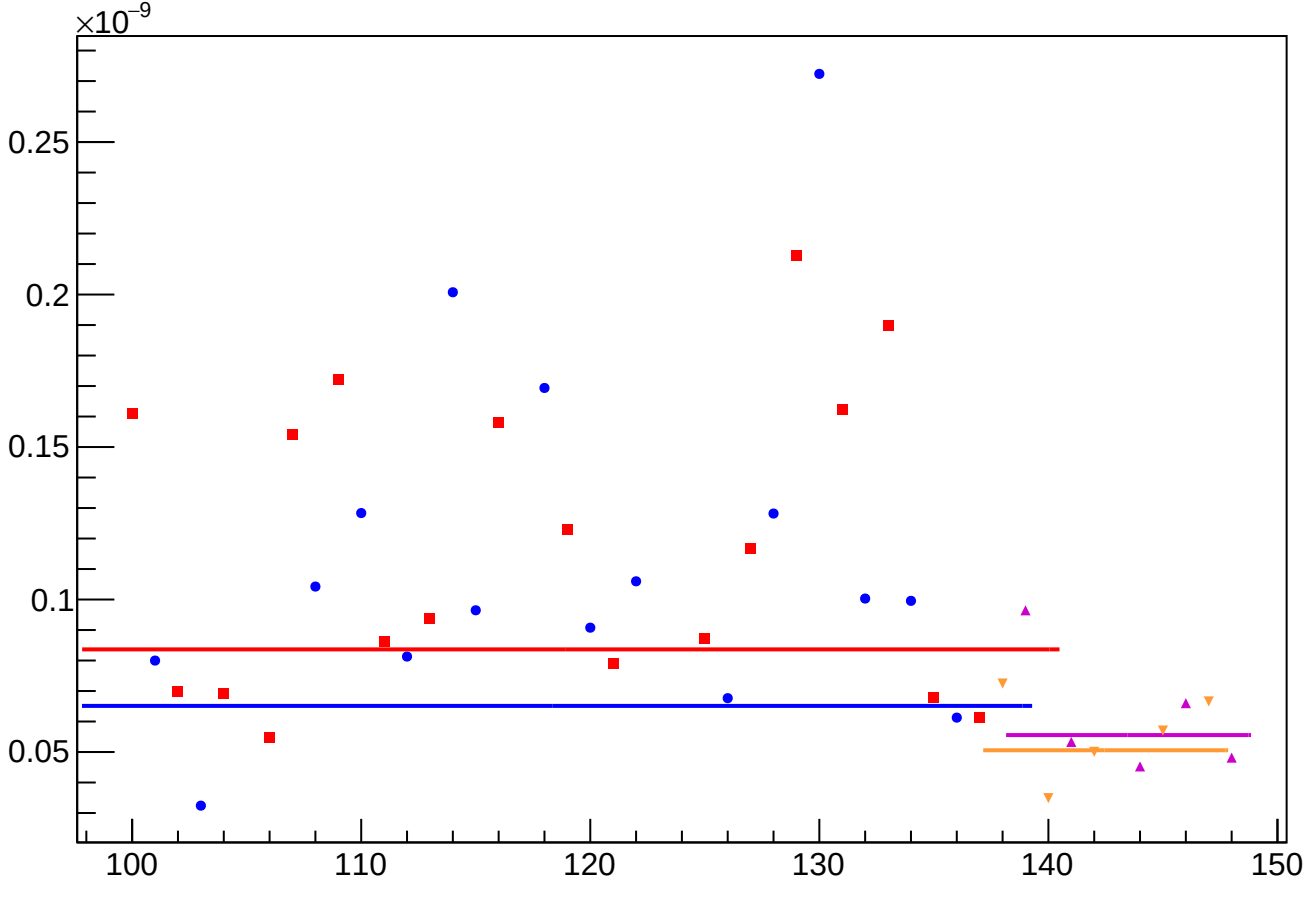
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/20

All: 0.000+/-0.000 χ^2/NDF: 47.3/43

- sign 0.000+/-0.000 χ^2/NDF: 26.3/22



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

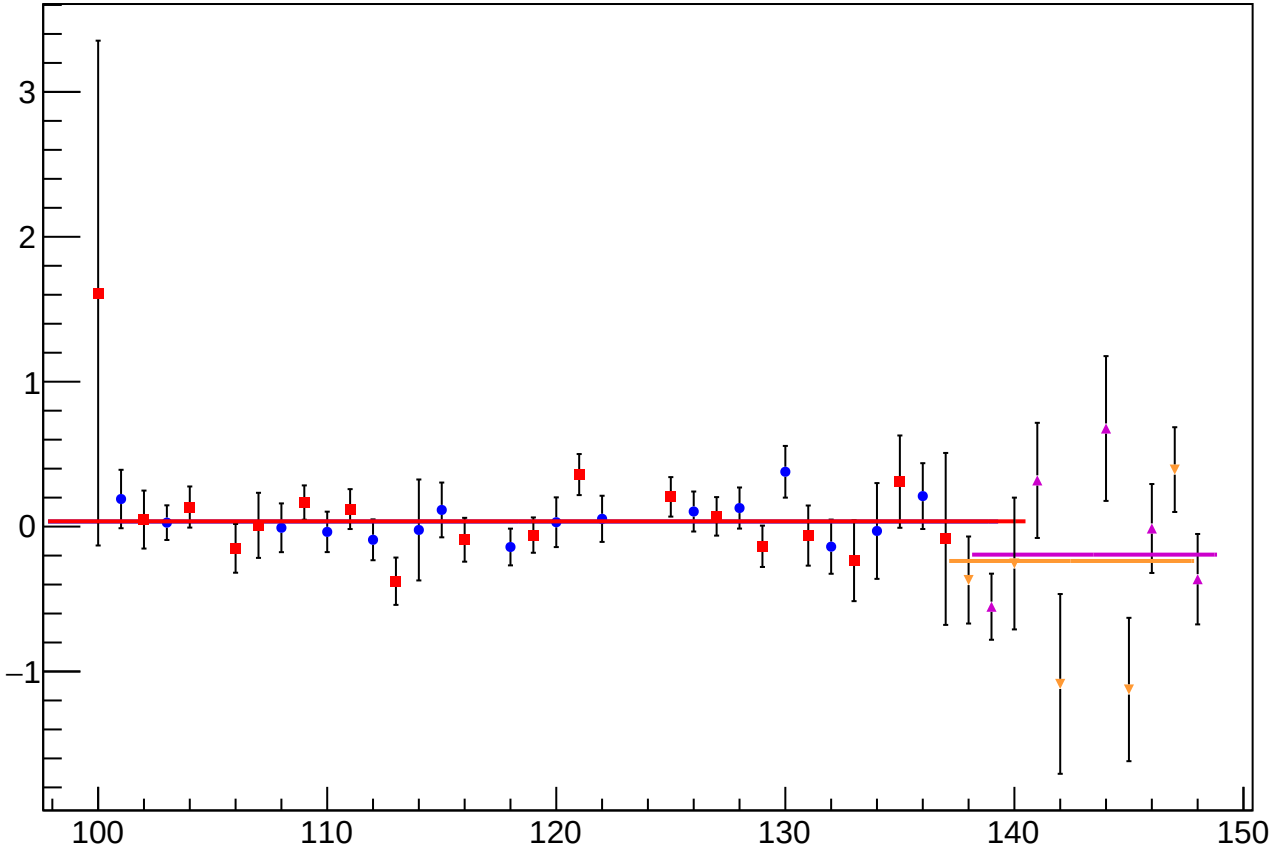
Left In: 0.000+/-0.000 χ^2/NDF:243208.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 1563865.6/20

All: 0.000+/-0.000 χ^2/NDF: 2912013.3/43

- sign 0.000+/-0.000 χ^2/NDF: 1266398.9/22

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

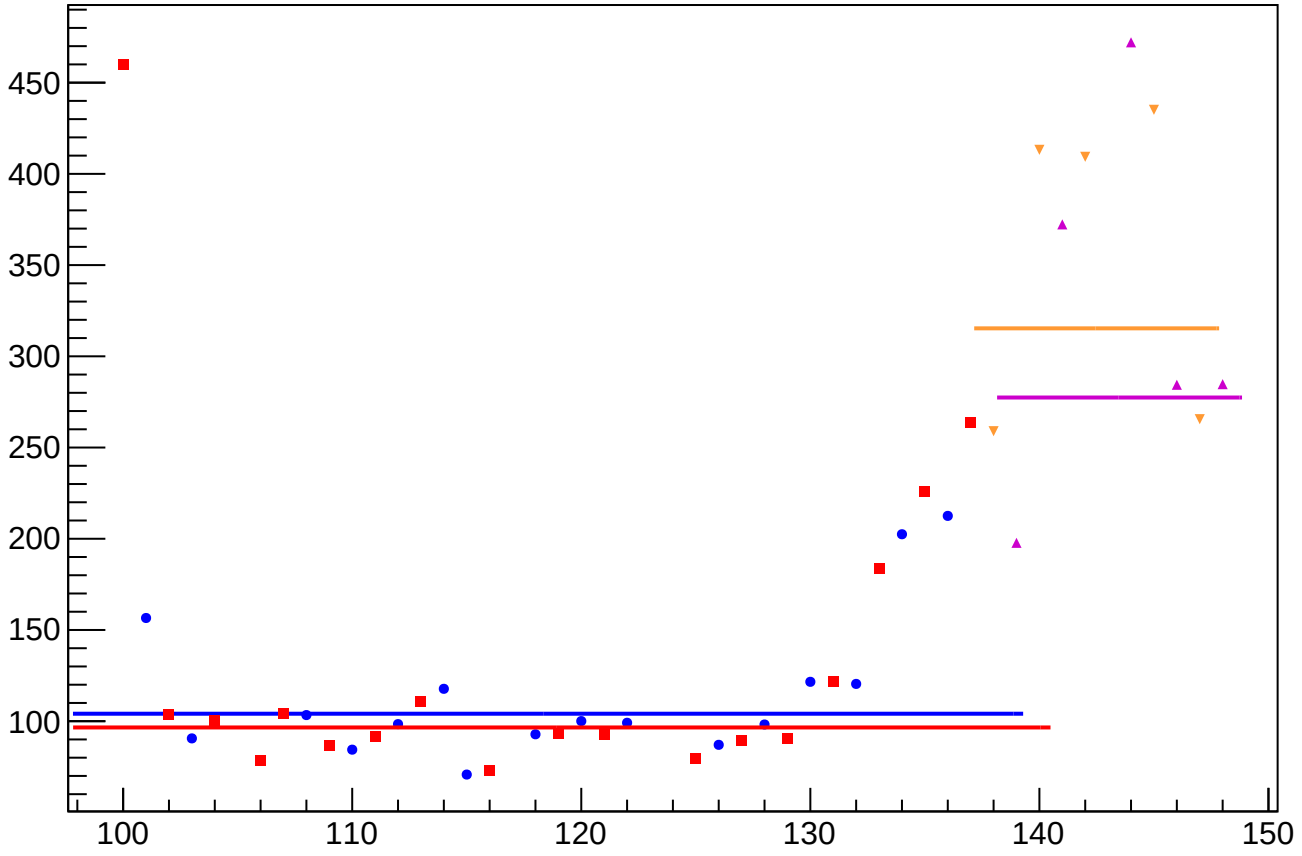
Left In: -0.194+/-0.141 χ^2/NDF:7.8/4

+ sign 0.020+/-0.040 χ^2/NDF: 22.1/20

All: 0.020+/-0.027 χ^2/NDF: 54.4/43

- sign 0.020+/-0.037 χ^2/NDF: 32.3/22

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

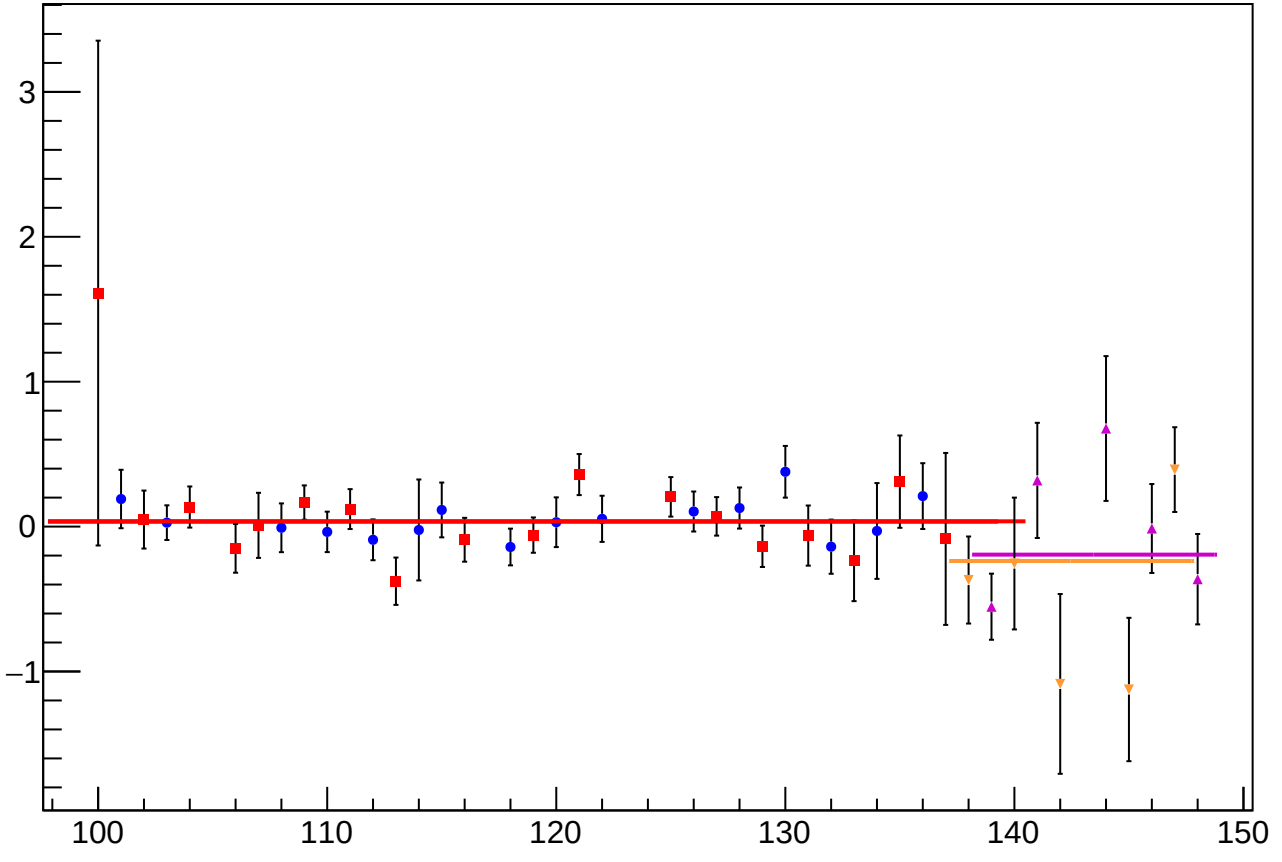
Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

+ sign 115.629+/-0.028 χ^2/NDF: 4267226.2/20

All: 112.318+/-0.019 χ^2/NDF: 8977997.7/43

- sign 109.395+/-0.027 χ^2/NDF: 4684843.3/22

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

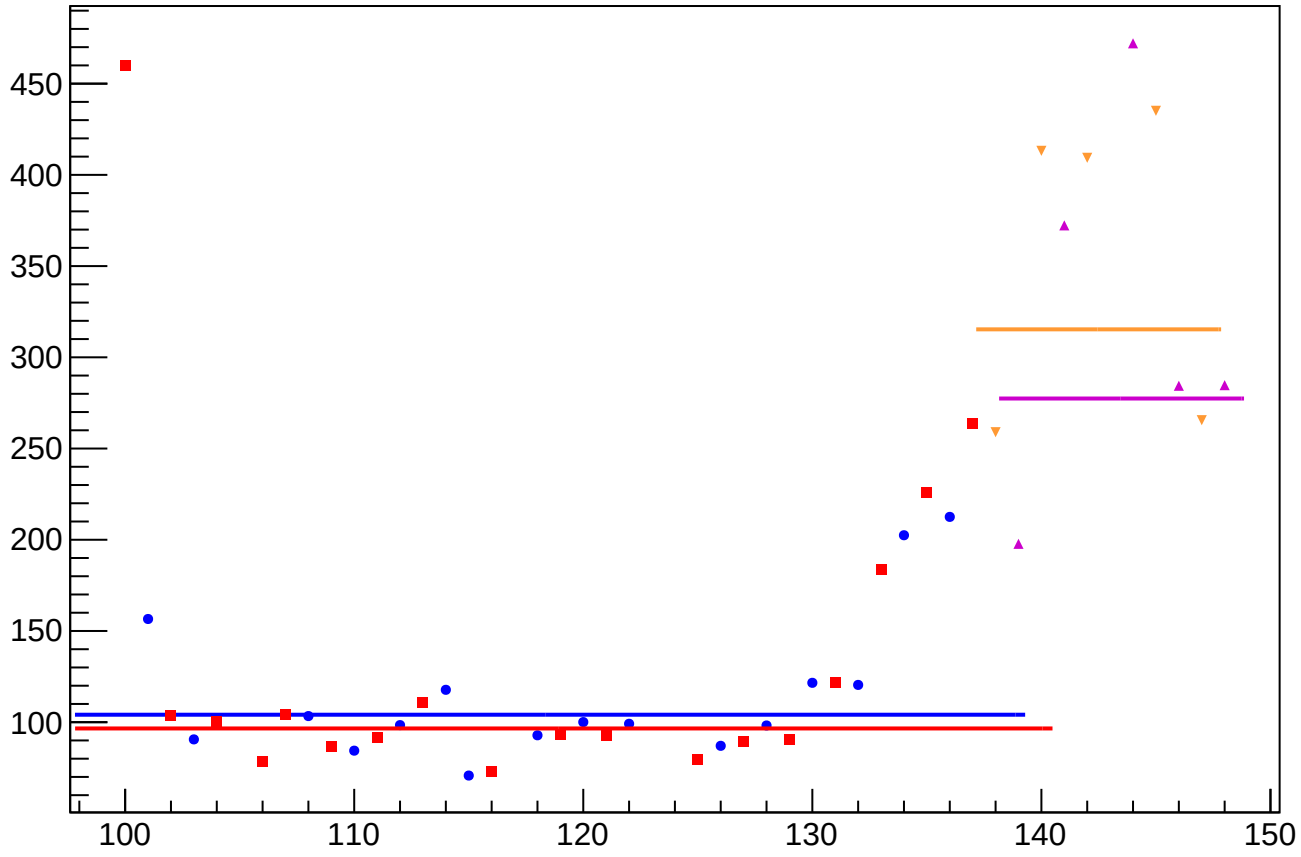
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.194+/-0.141 χ^2/NDF:7.8/4

+ sign 0.020+/-0.040 χ^2/NDF: 22.1/20

All: 0.020+/-0.027 χ^2/NDF: 54.4/43

- sign 0.020+/-0.037 χ^2/NDF: 32.3/22



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 315.326+/-0.121 χ^2/NDF:384234.9/4

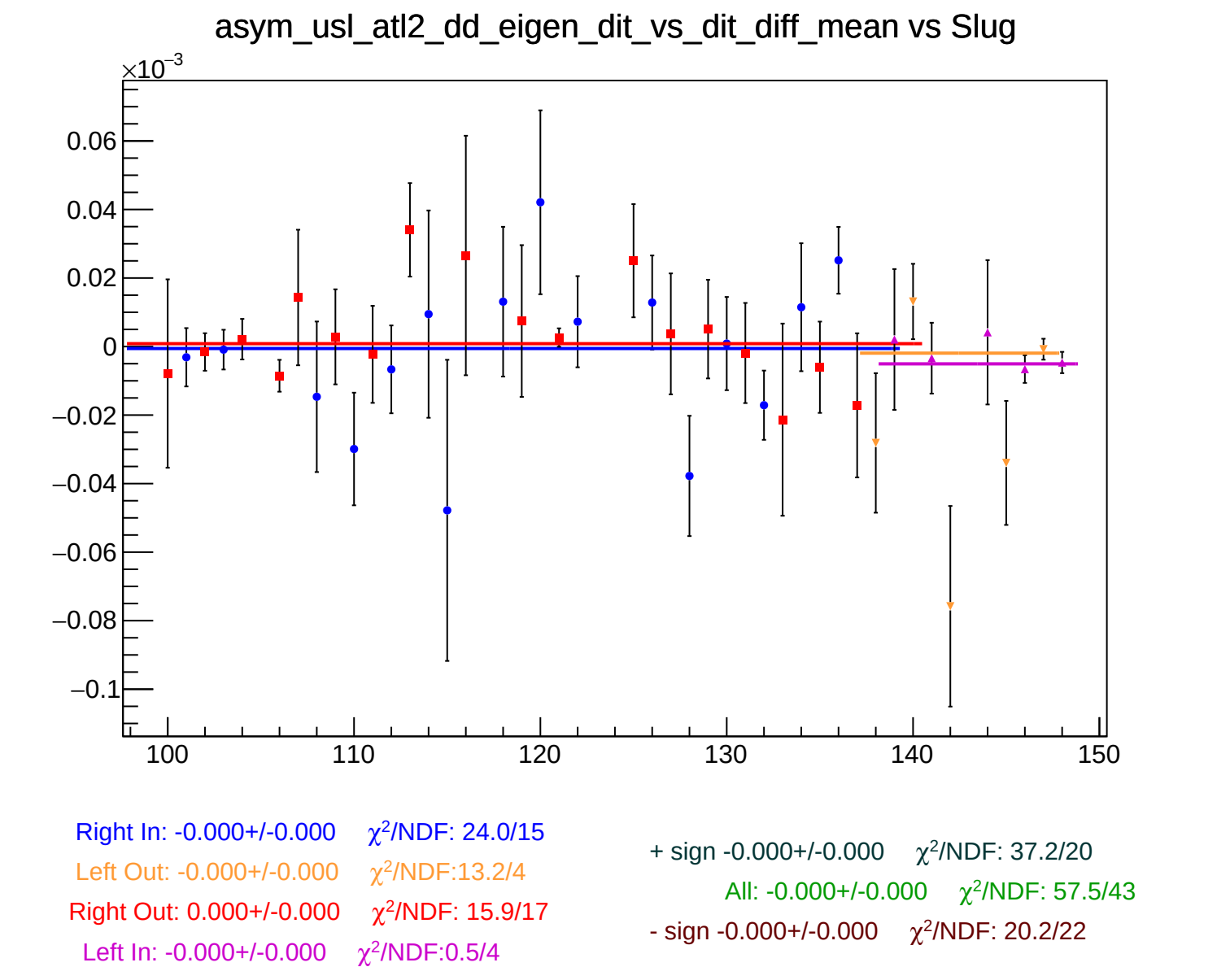
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

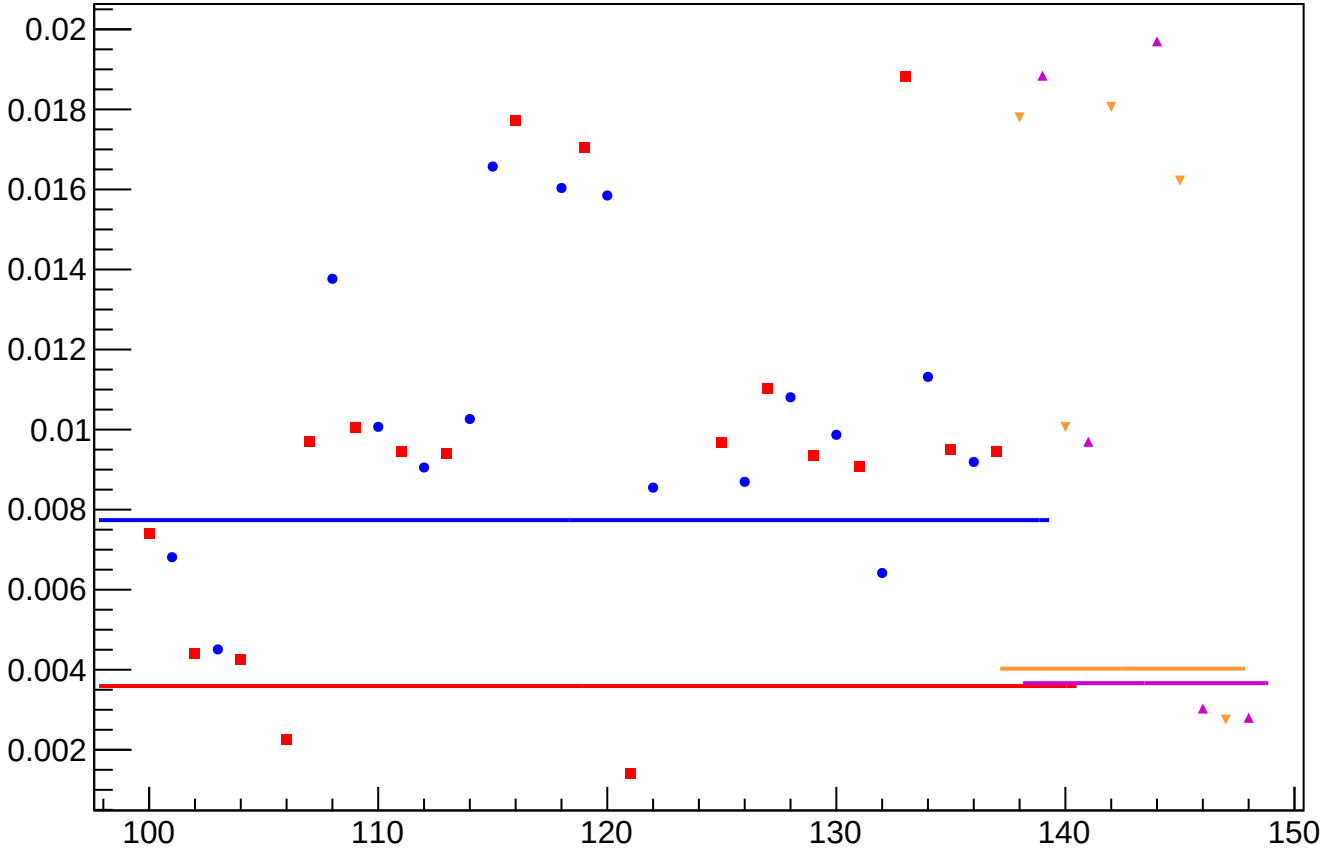
+ sign 115.629+/-0.028 χ^2/NDF: 4267226.2/20

All: 112.318+/-0.019 χ^2/NDF: 8977997.7/43

- sign 109.395+/-0.027 χ^2/NDF: 4684843.3/22


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:0.5/4
+ sign -0.000+/-0.000 χ²/NDF: 37.2/20
All: -0.000+/-0.000 χ²/NDF: 57.5/43
- sign -0.000+/-0.000 χ²/NDF: 20.2/22

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

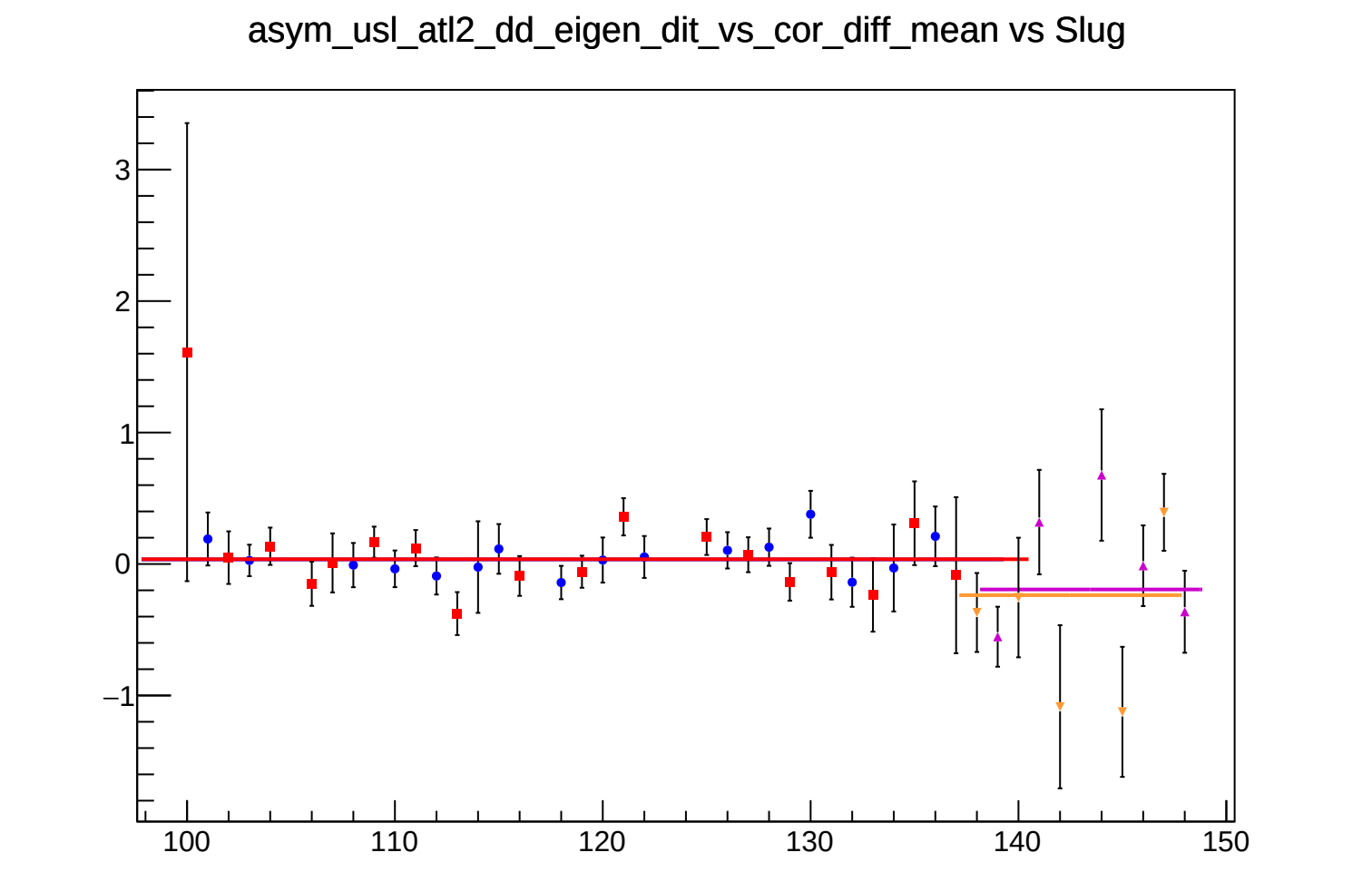
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3135252.8/4

+ sign 0.006+/-0.000 χ^2/NDF: 6473600.9/20

All: 0.004+/-0.000 χ^2/NDF: 17332901.4/43

- sign 0.004+/-0.000 χ^2/NDF: 9501318.3/22



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

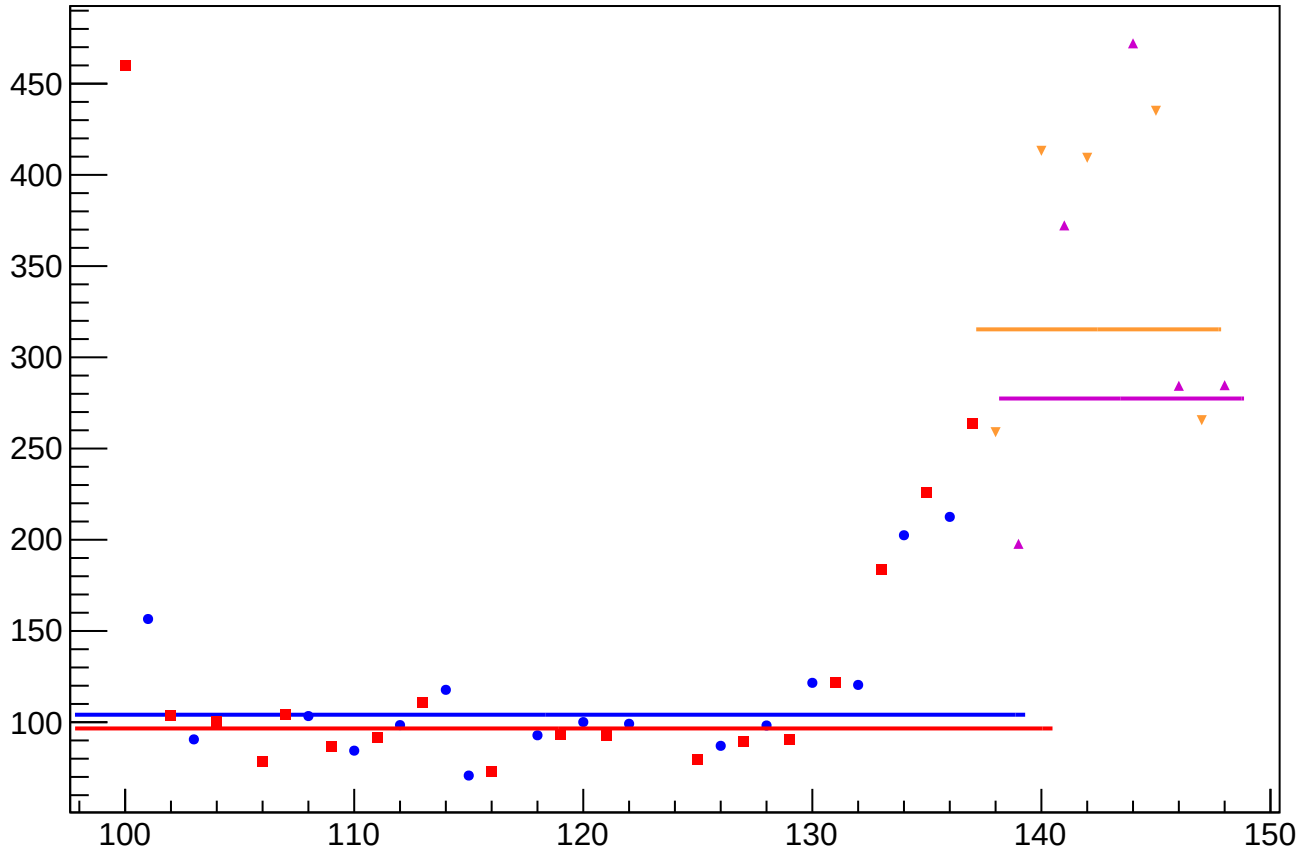
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.194+/-0.141 χ^2/NDF:7.8/4

+ sign 0.020+/-0.040 χ^2/NDF: 22.1/20

All: 0.020+/-0.027 χ^2/NDF: 54.4/43

- sign 0.020+/-0.037 χ^2/NDF: 32.3/22



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 315.328+/-0.121 χ^2/NDF:384261.5/4

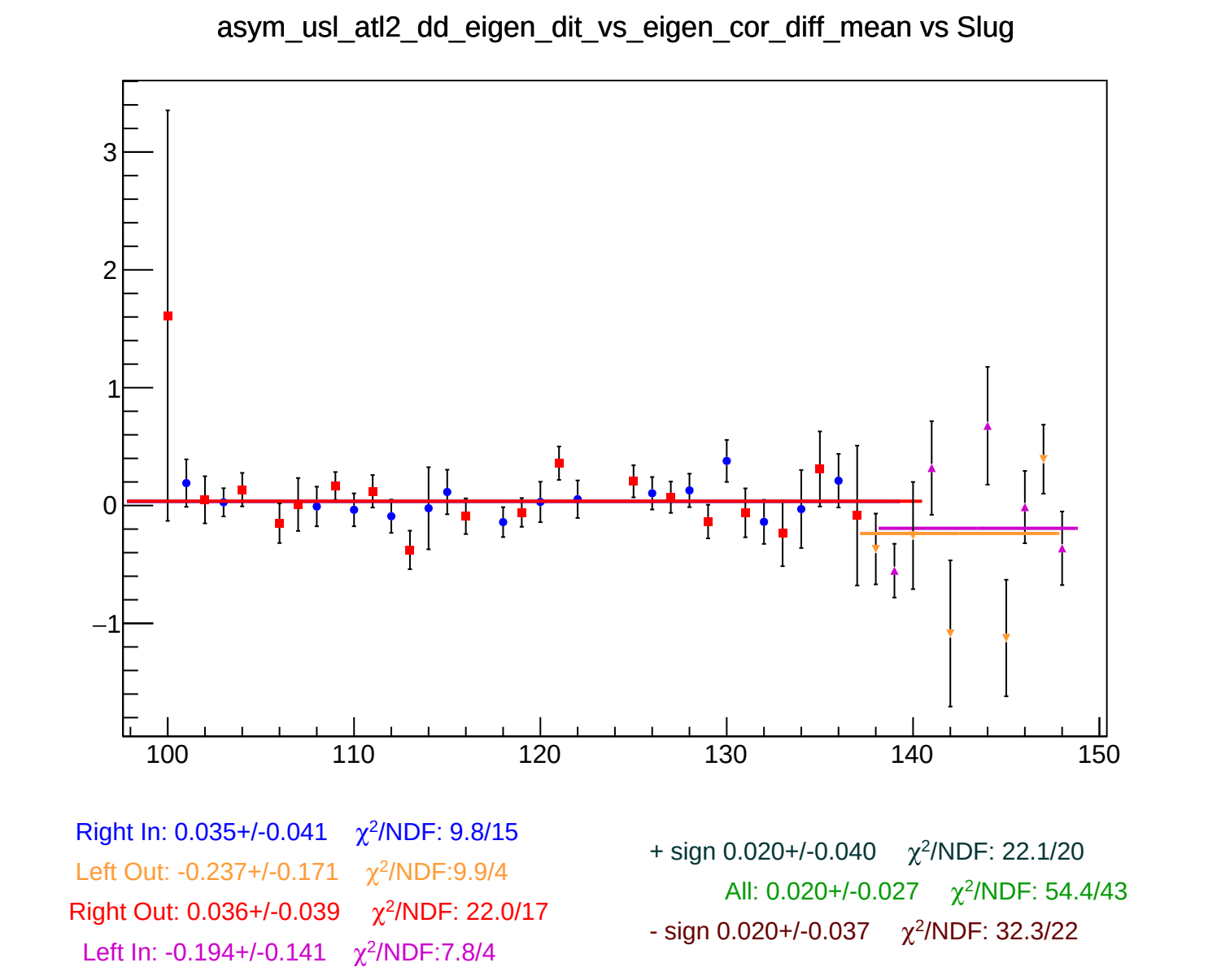
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

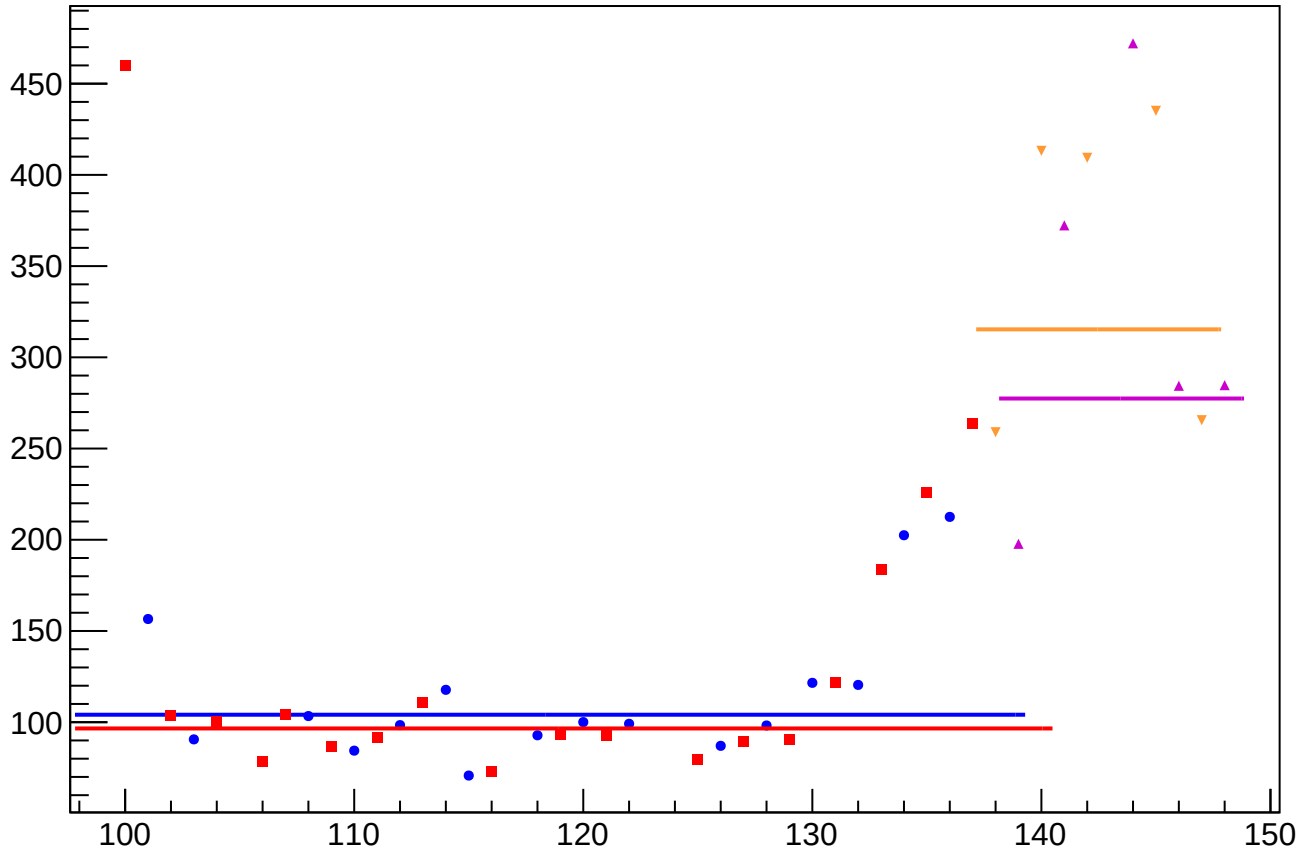
Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

+ sign 115.629+/-0.028 χ^2/NDF: 4267193.9/20

All: 112.320+/-0.019 χ^2/NDF: 8977883.9/43

- sign 109.396+/-0.027 χ^2/NDF: 4684766.4/22


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
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: -0.194+/-0.141 χ²/NDF:7.8/4
+ sign 0.020+/-0.040 χ²/NDF: 22.1/20
All: 0.020+/-0.027 χ²/NDF: 54.4/43
- sign 0.020+/-0.037 χ²/NDF: 32.3/22



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 315.328+/-0.121 χ^2/NDF:384261.5/4

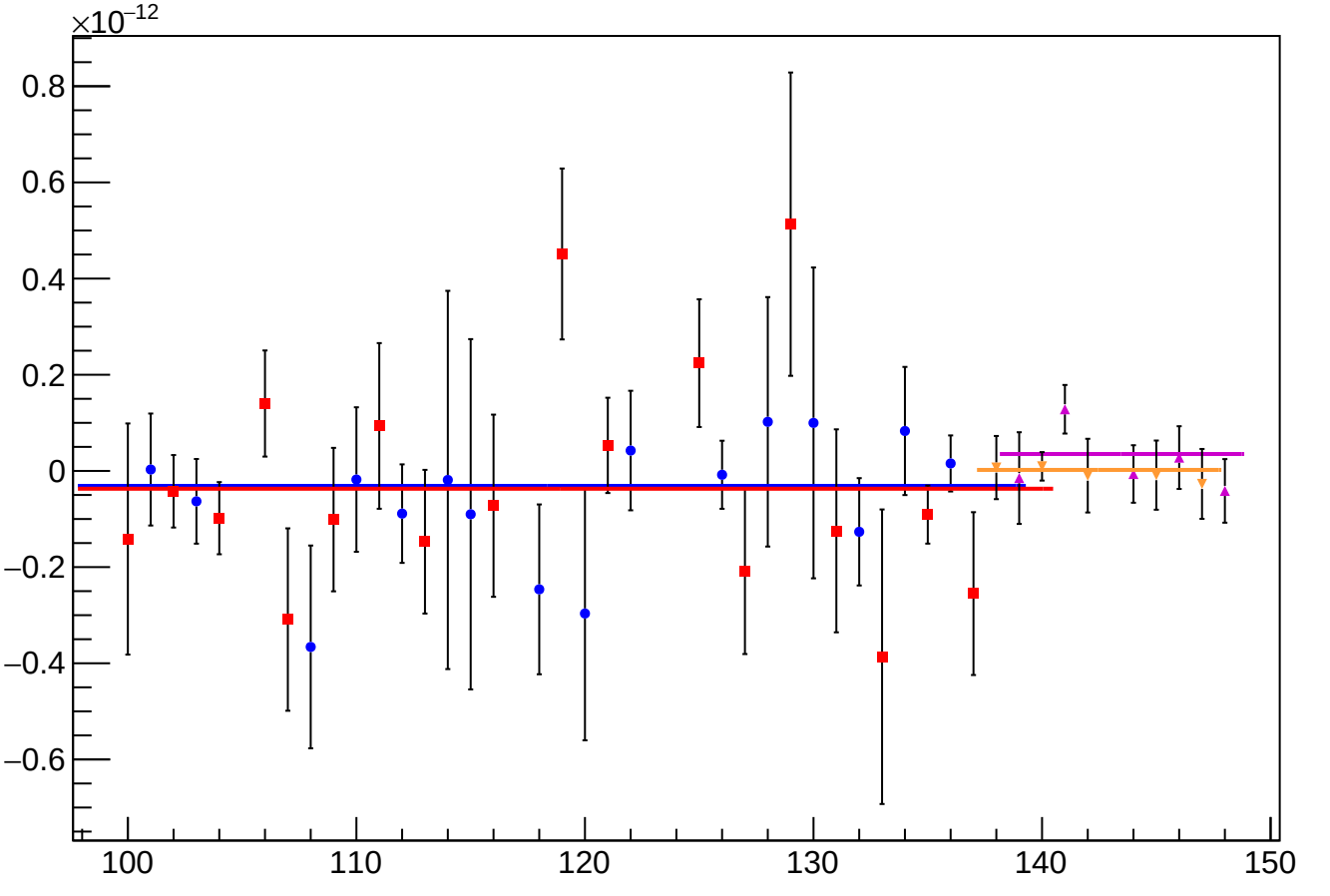
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

+ sign 115.629+/-0.028 χ^2/NDF: 4267193.9/20

All: 112.320+/-0.019 χ^2/NDF: 8977883.9/43

- sign 109.396+/-0.027 χ^2/NDF: 4684766.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

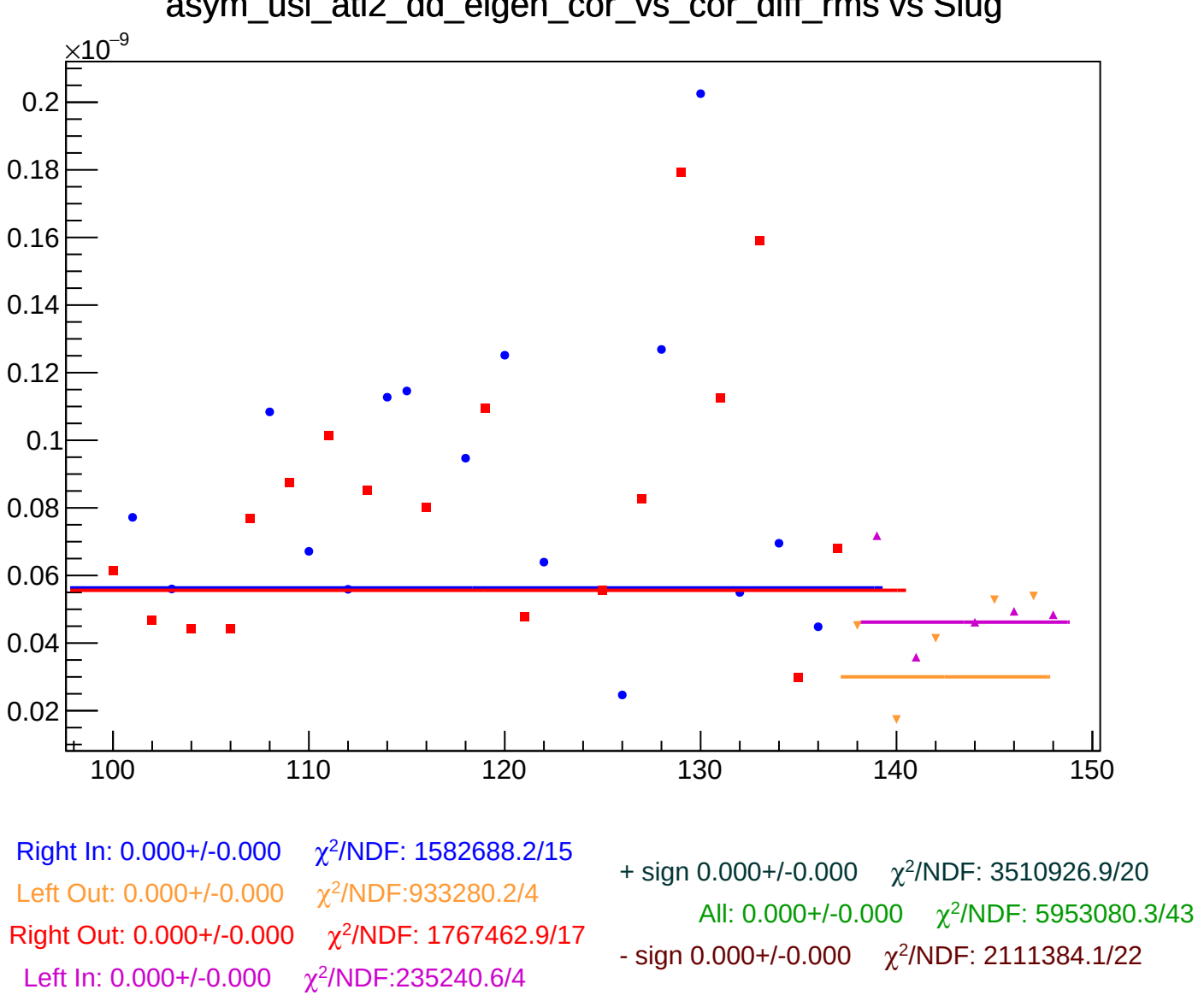
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:5.5/4

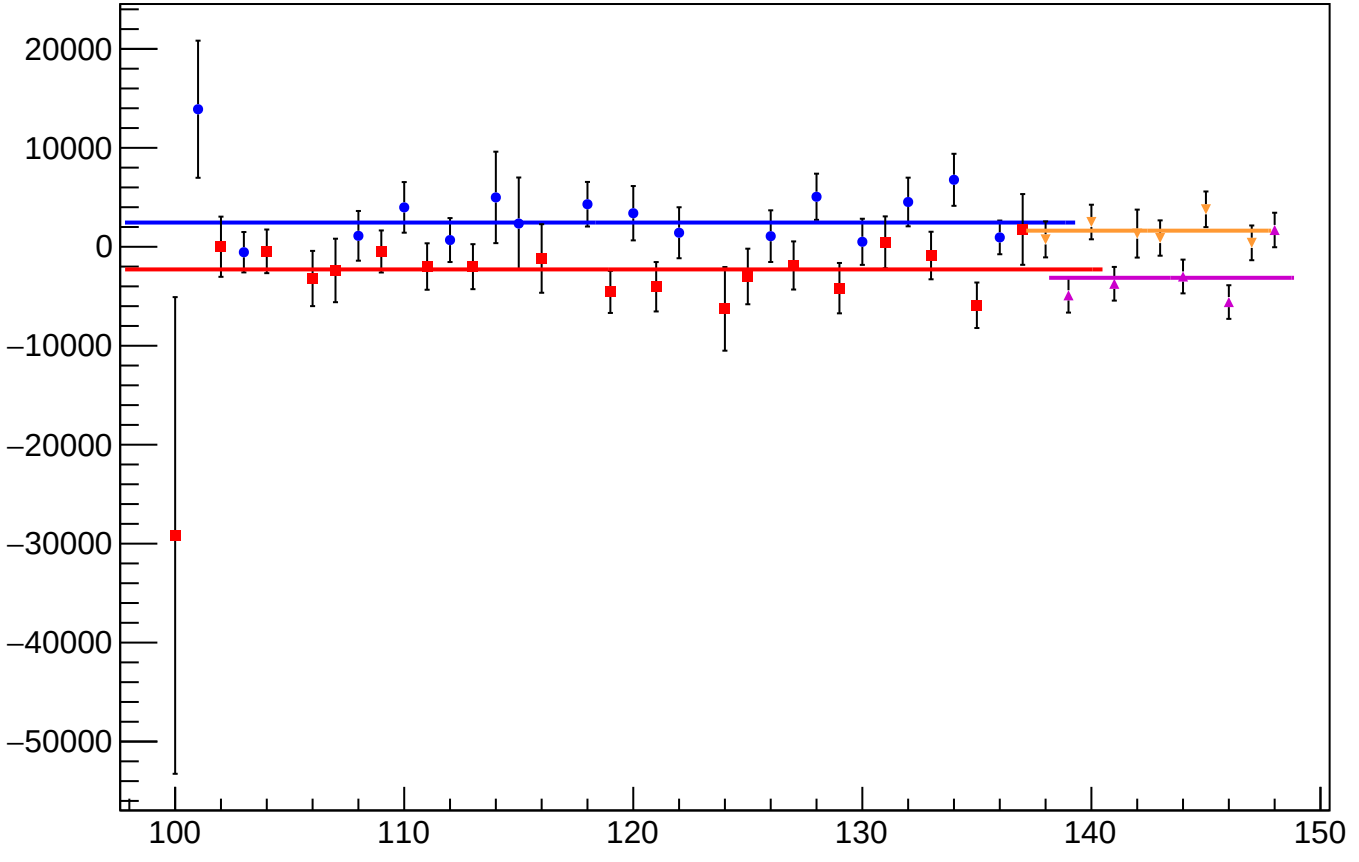
+ sign -0.000+/-0.000 χ^2/NDF: 9.7/20

All: -0.000+/-0.000 χ^2/NDF: 45.5/43

- sign -0.000+/-0.000 χ^2/NDF: 35.8/22


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:933280.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:235240.6/4
+ sign 0.000+/-0.000 χ²/NDF: 3510926.9/20
All: 0.000+/-0.000 χ²/NDF: 5953080.3/43
- sign 0.000+/-0.000 χ²/NDF: 2111384.1/22

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

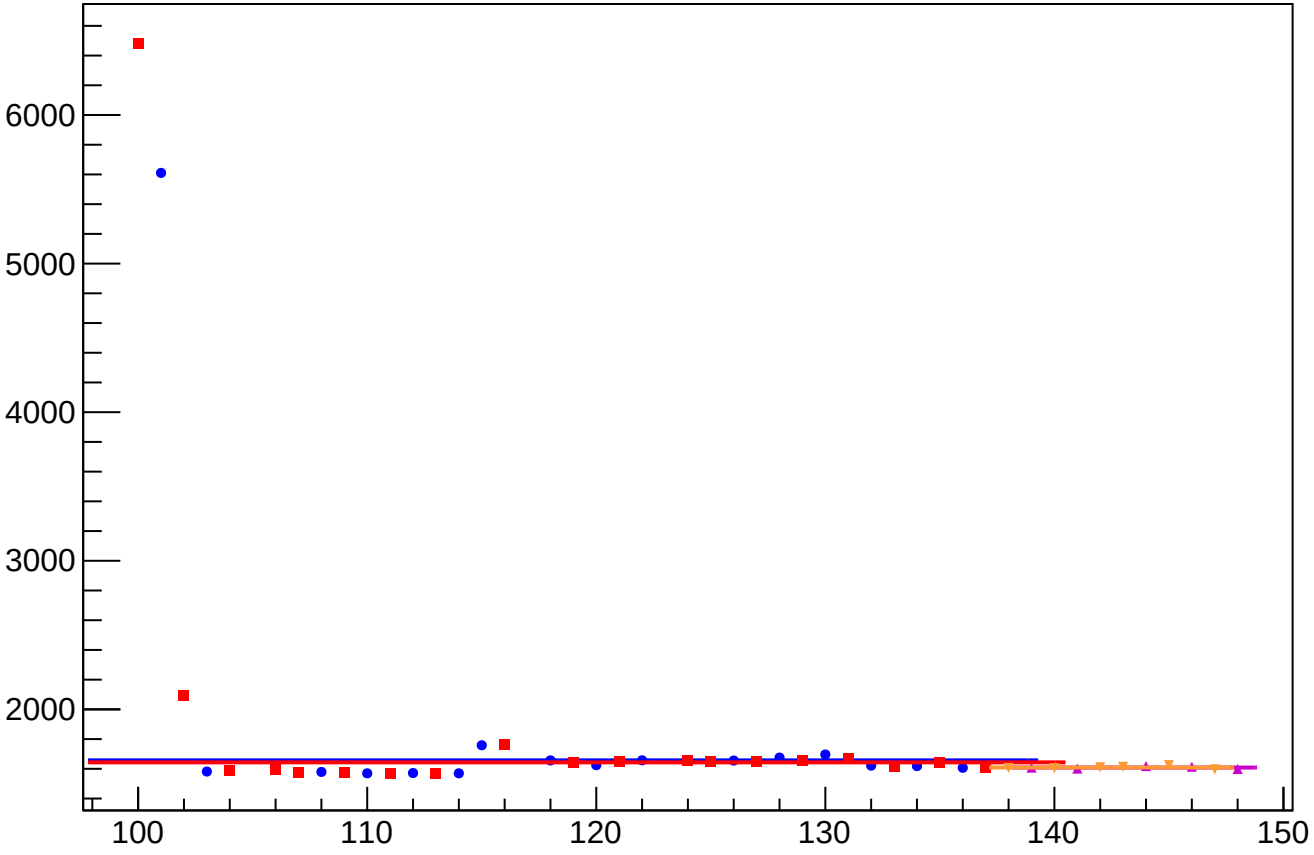
Left In: -3133.916+/-768.941 χ^2/NDF:10.9/4

+ sign 2114.309+/-484.280 χ^2/NDF: 17.1/21

All: -282.911+/-340.009 χ^2/NDF: 89.0/45

- sign -2613.302+/-477.482 χ^2/NDF: 23.5/23

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

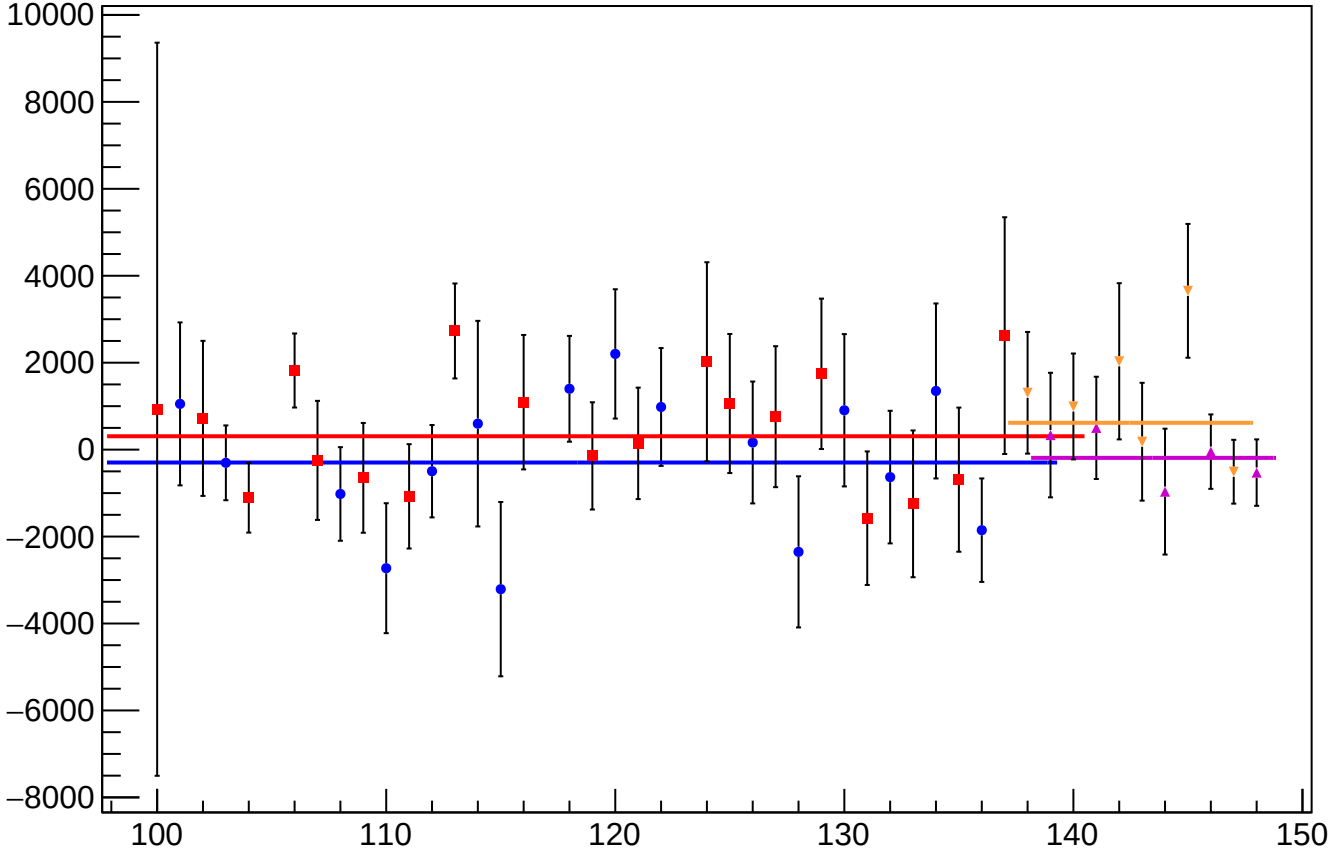
Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.4/21

All: 1633.495+/-0.240 χ^2/NDF: 811144.4/45

- sign 1629.922+/-0.338 χ^2/NDF: 139731.8/23

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

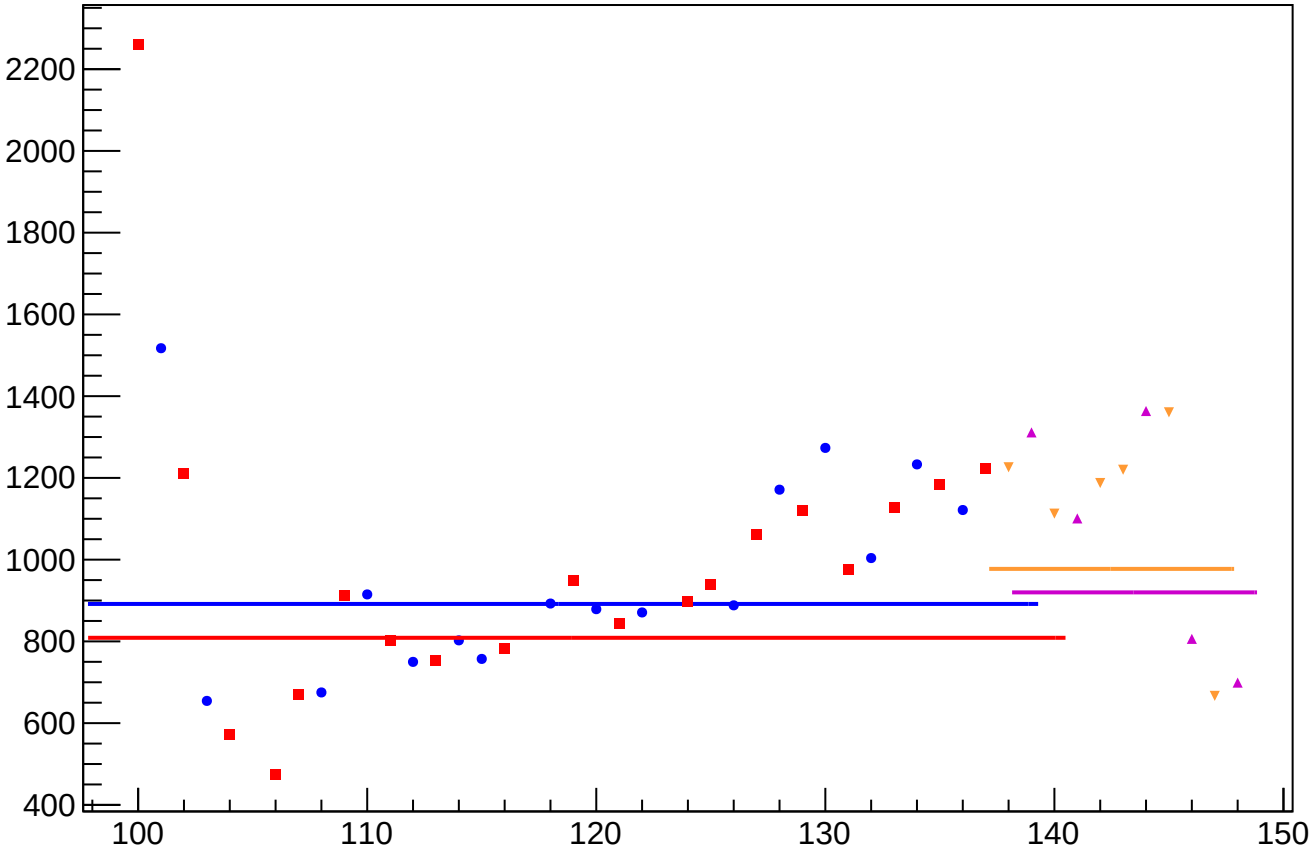
Left In: -189.579+/-458.142 χ^2/NDF:1.0/4

+ sign 11.771+/-279.560 χ^2/NDF: 25.7/21

All: 86.010+/-189.768 χ^2/NDF: 46.3/45

- sign 149.451+/-258.430 χ^2/NDF: 20.5/23

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

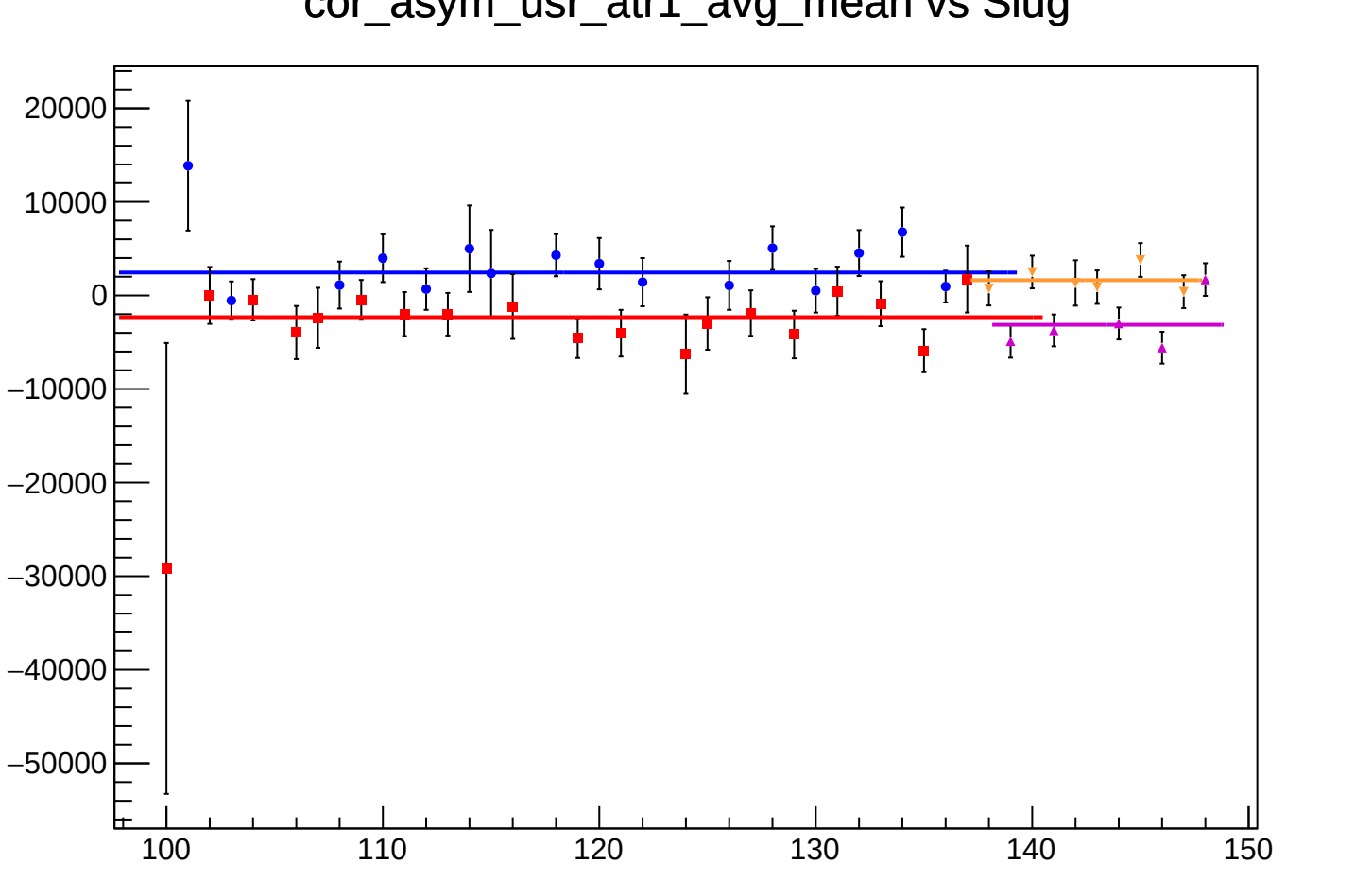
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 919.916+/-0.324 χ^2/NDF:586683.6/4

+ sign 920.578+/-0.198 χ^2/NDF: 1497339.5/21

All: 879.374+/-0.134 χ^2/NDF: 3328642.2/45

- sign 844.162+/-0.183 χ^2/NDF: 1750725.7/23



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

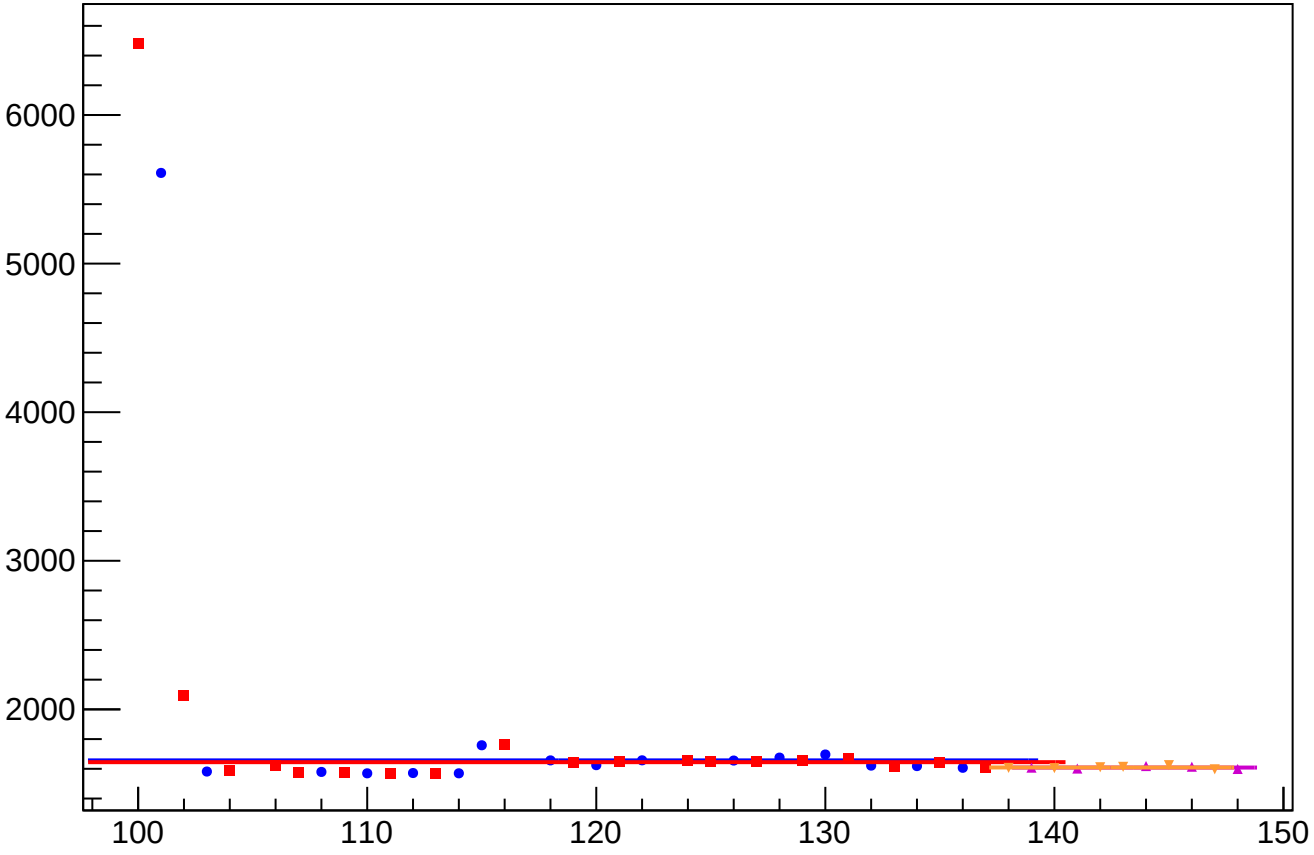
Left In: -3134.060+/-768.941 χ^2/NDF:10.9/4

+ sign 2113.989+/-484.280 χ^2/NDF: 17.1/21

All: -292.655+/-340.096 χ^2/NDF: 89.5/45

- sign -2634.565+/-477.723 χ^2/NDF: 23.7/23

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

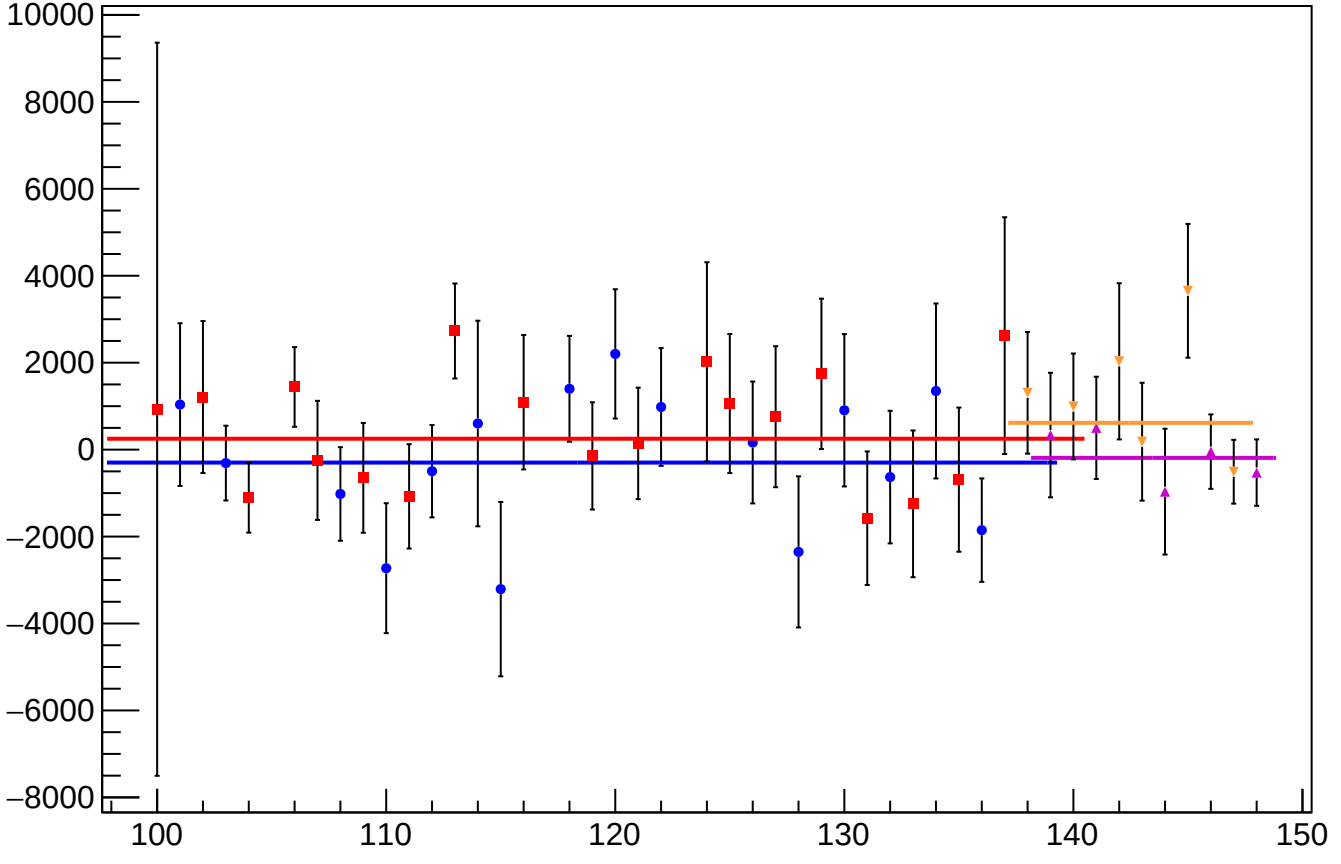
Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.0/21

All: 1633.895+/-0.240 χ^2/NDF: 810773.9/45

- sign 1630.709+/-0.338 χ^2/NDF: 139408.5/23

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

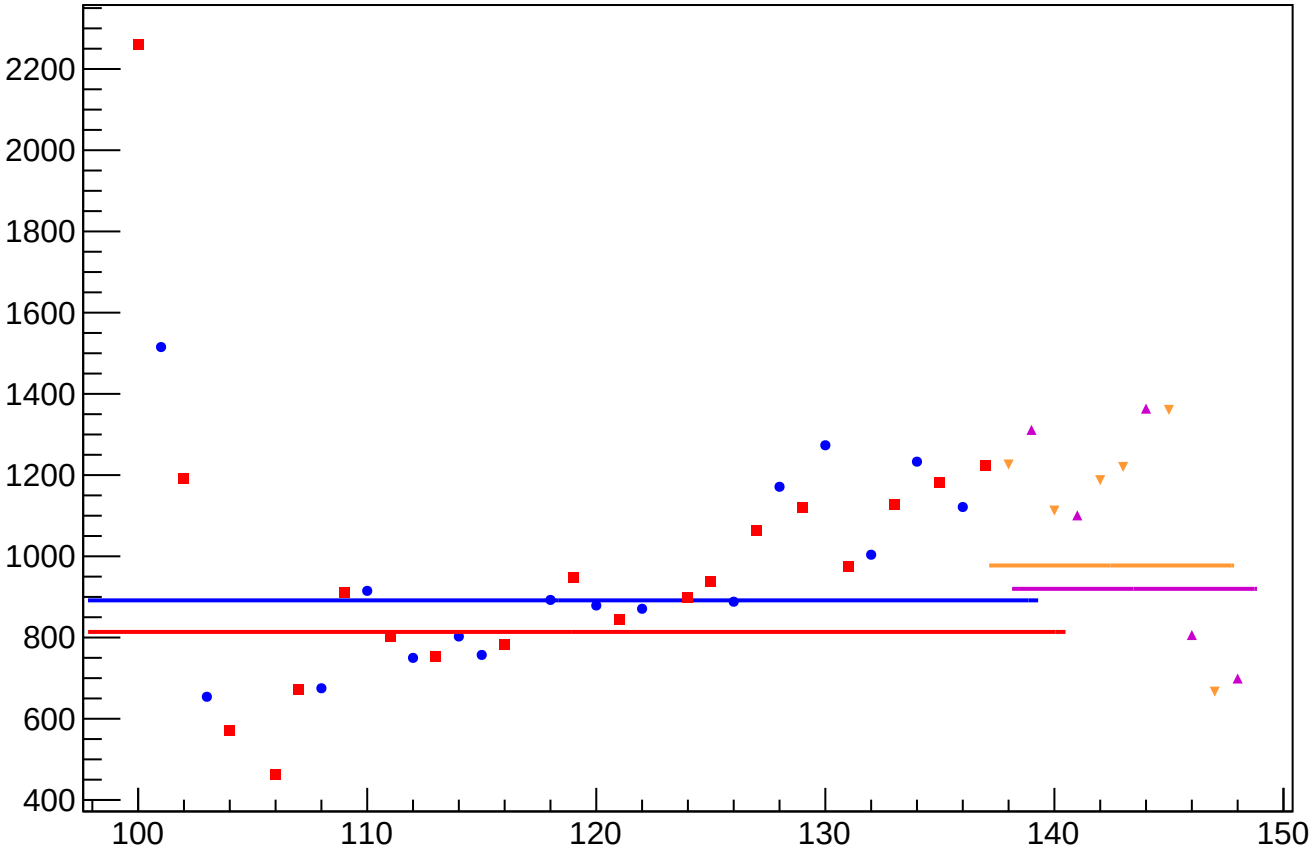
Left In: -189.535+/-458.143 χ^2/NDF:1.0/4

+ sign 10.834+/-279.535 χ^2/NDF: 25.6/21

All: 63.626+/-190.374 χ^2/NDF: 44.6/45

- sign 109.291+/-259.985 χ^2/NDF: 18.9/23

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

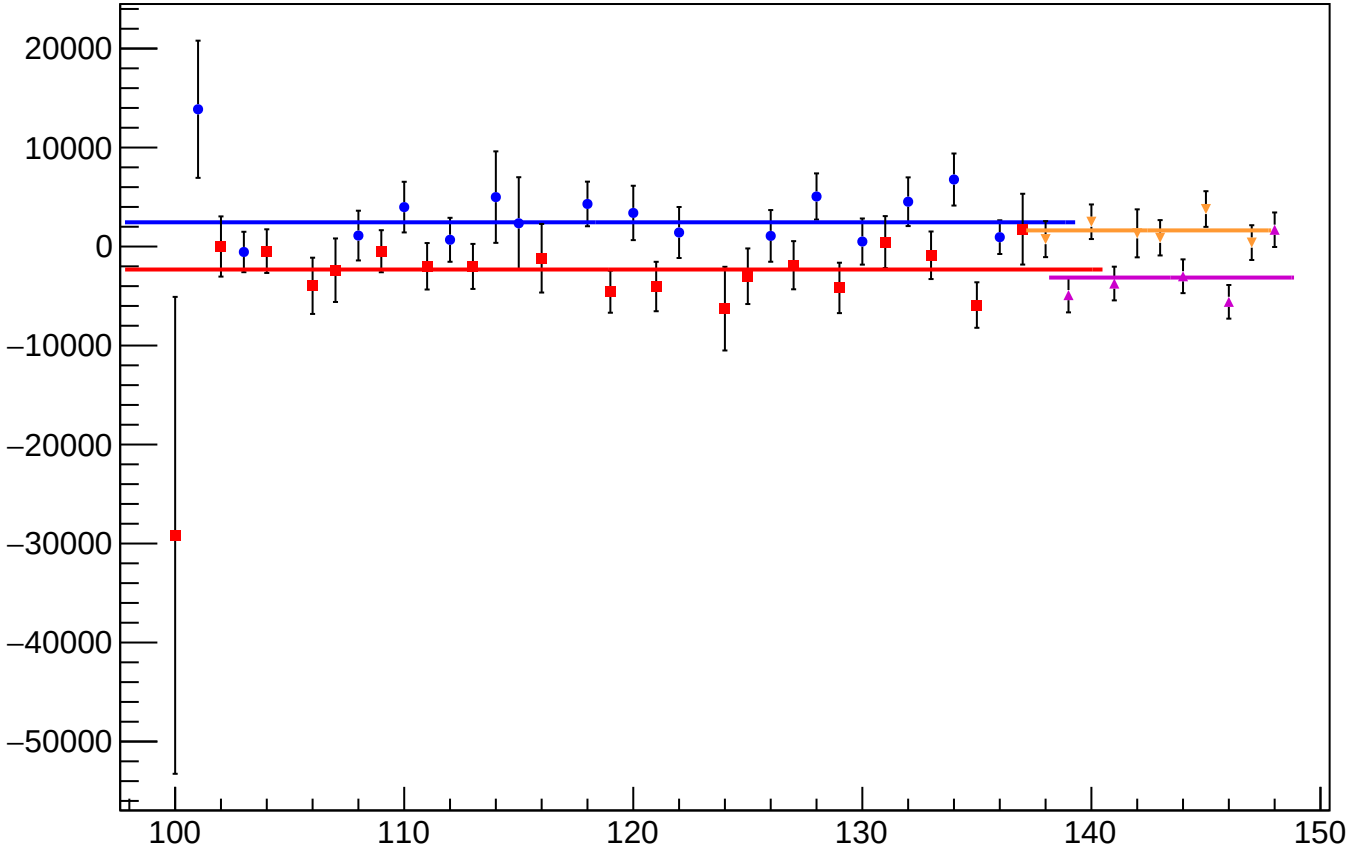
Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

+ sign 920.507+/-0.198 χ^2/NDF: 1497158.7/21

All: 881.618+/-0.135 χ^2/NDF: 3281778.8/45

- sign 847.978+/-0.184 χ^2/NDF: 1712426.8/23

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

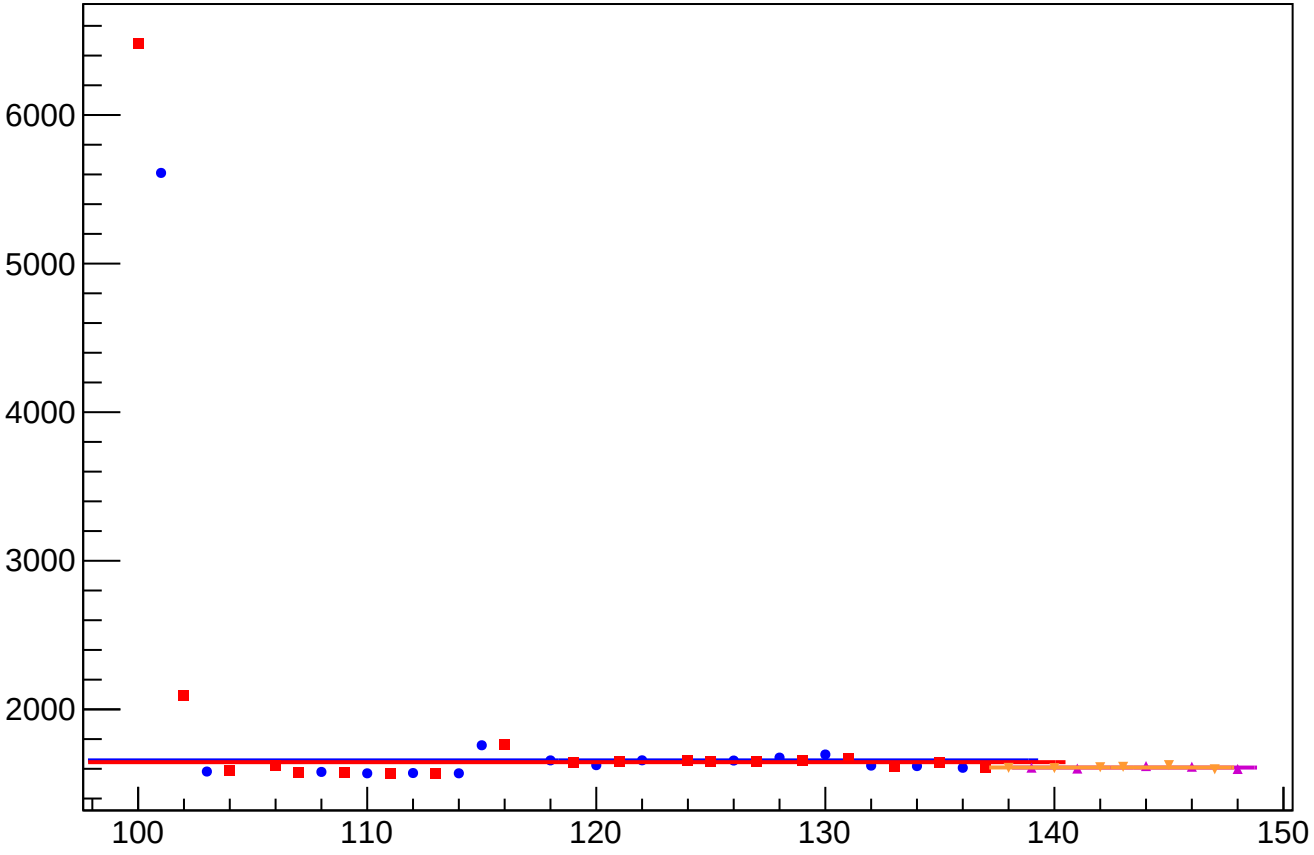
Left In: -3134.060+/-768.941 χ^2/NDF:10.9/4

+ sign 2113.989+/-484.280 χ^2/NDF: 17.1/21

All: -292.655+/-340.096 χ^2/NDF: 89.5/45

- sign -2634.565+/-477.723 χ^2/NDF: 23.7/23

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

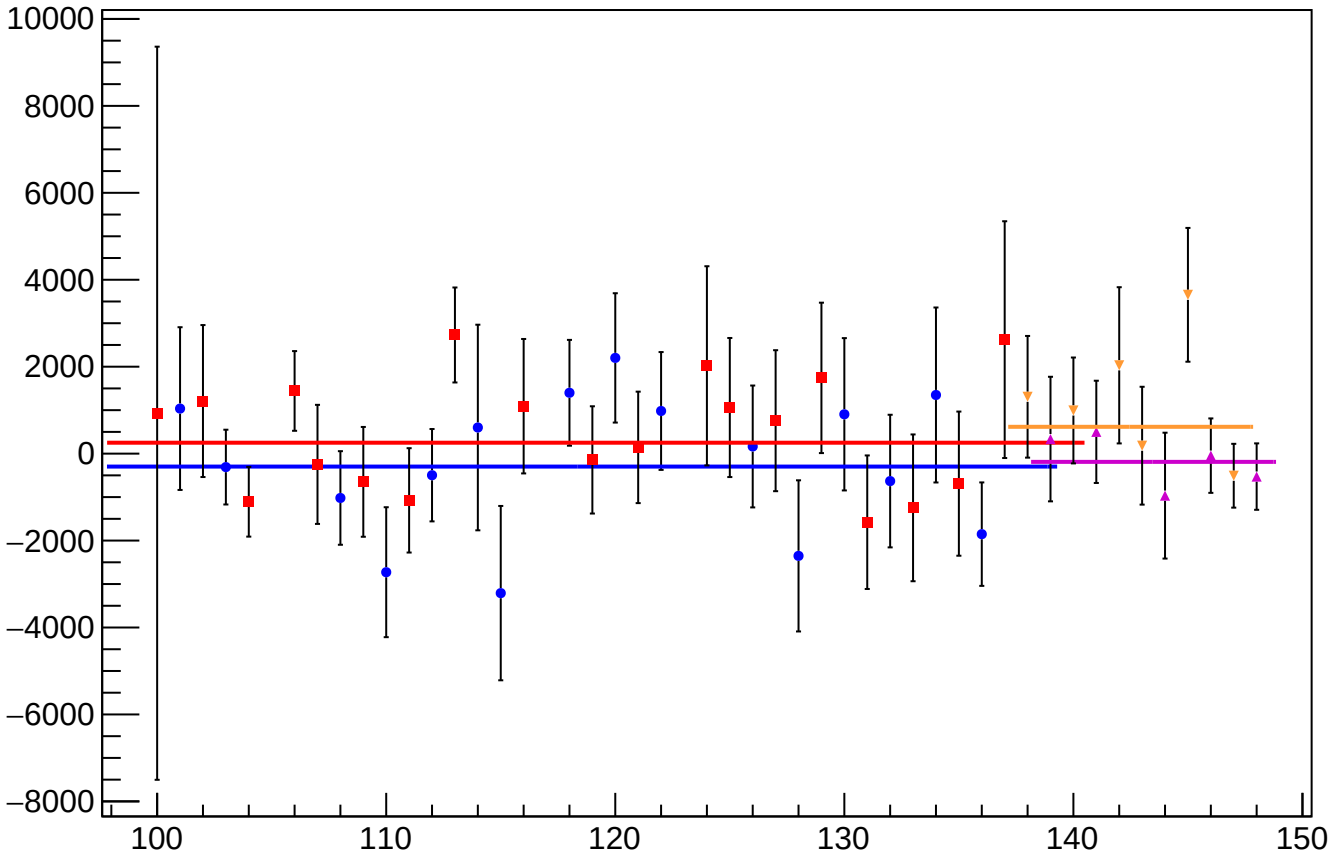
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1637.170+/-0.342 χ^2/NDF: 671185.0/21

All: 1633.895+/-0.240 χ^2/NDF: 810773.9/45

- sign 1630.709+/-0.338 χ^2/NDF: 139408.5/23



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

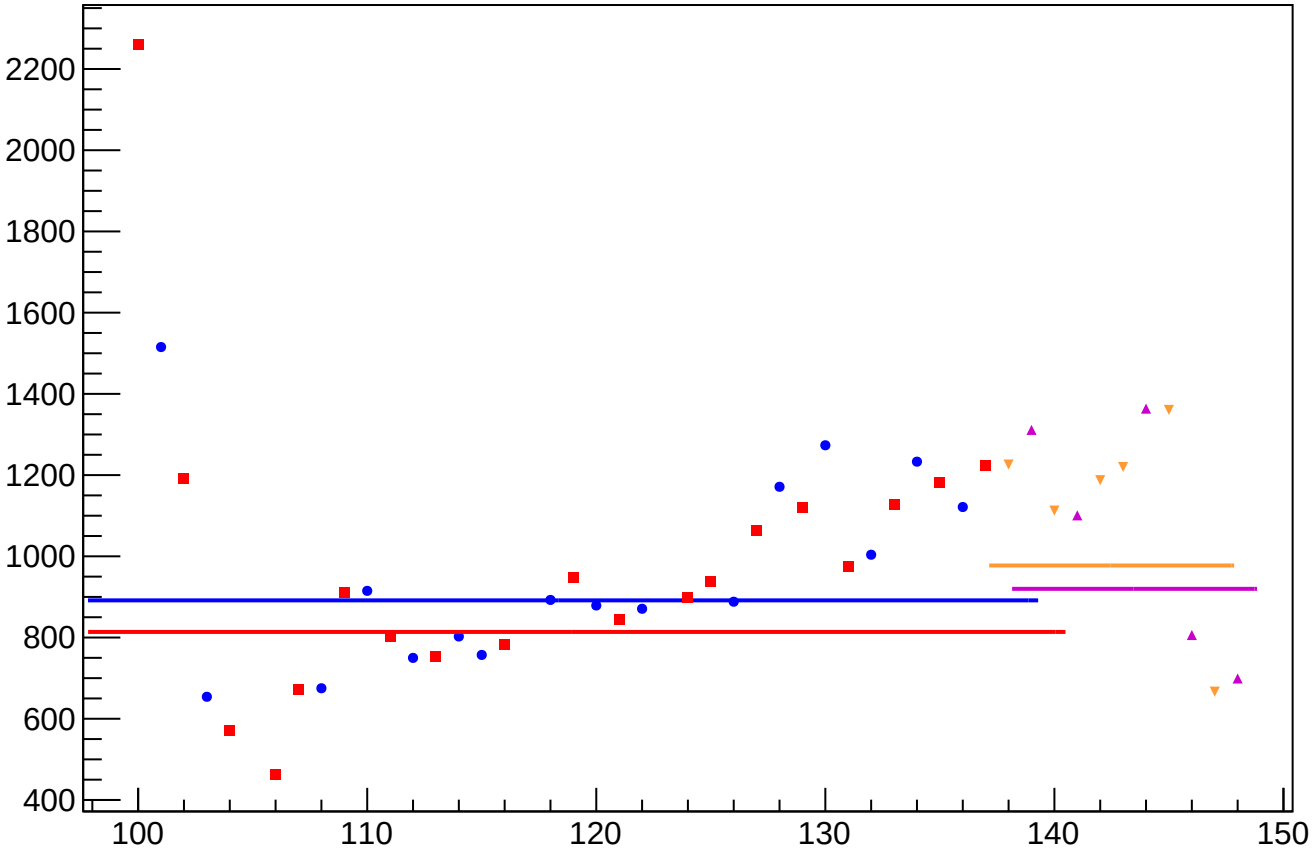
Left In: -189.535+/-458.143 χ^2/NDF:1.0/4

+ sign 10.834+/-279.535 χ^2/NDF: 25.6/21

All: 63.626+/-190.374 χ^2/NDF: 44.6/45

- sign 109.291+/-259.985 χ^2/NDF: 18.9/23

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

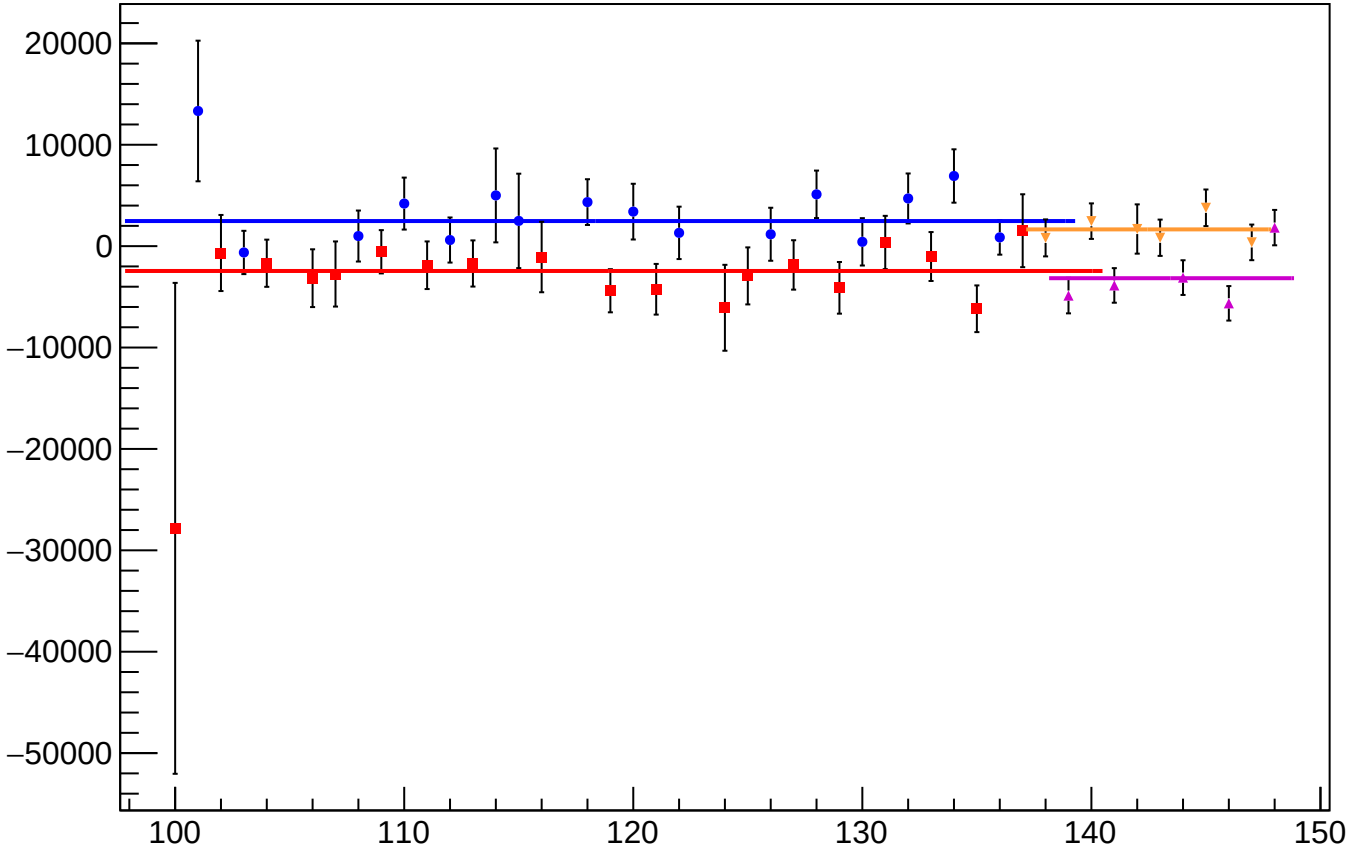
Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

+ sign 920.507+/-0.198 χ^2/NDF: 1497158.7/21

All: 881.618+/-0.135 χ^2/NDF: 3281778.8/45

- sign 847.978+/-0.184 χ^2/NDF: 1712426.8/23

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

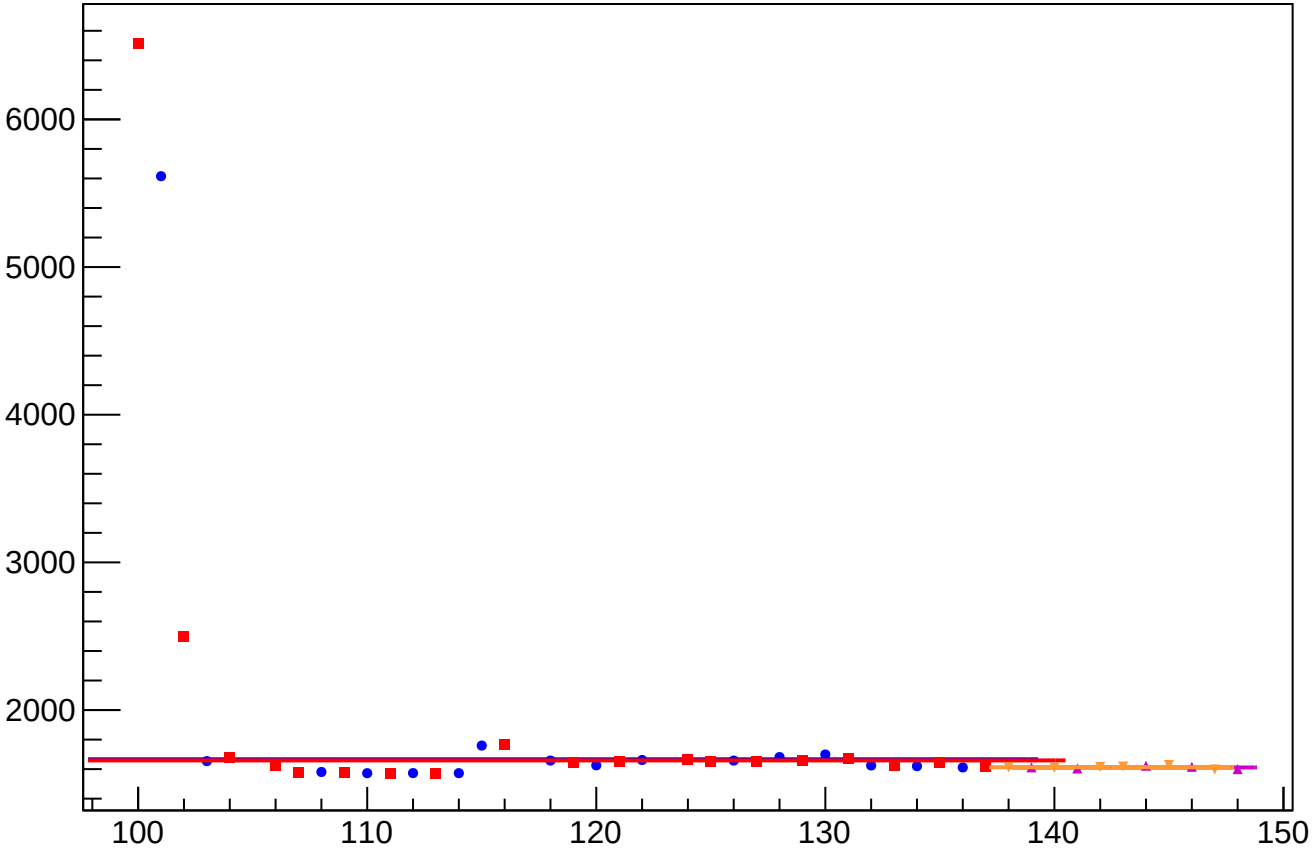
Left In: -3161.721+/-770.313 χ^2/NDF:11.4/4

+ sign 2136.721+/-486.385 χ^2/NDF: 17.5/21

All: -318.513+/-342.301 χ^2/NDF: 90.5/45

- sign -2727.873+/-481.820 χ^2/NDF: 22.5/23

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

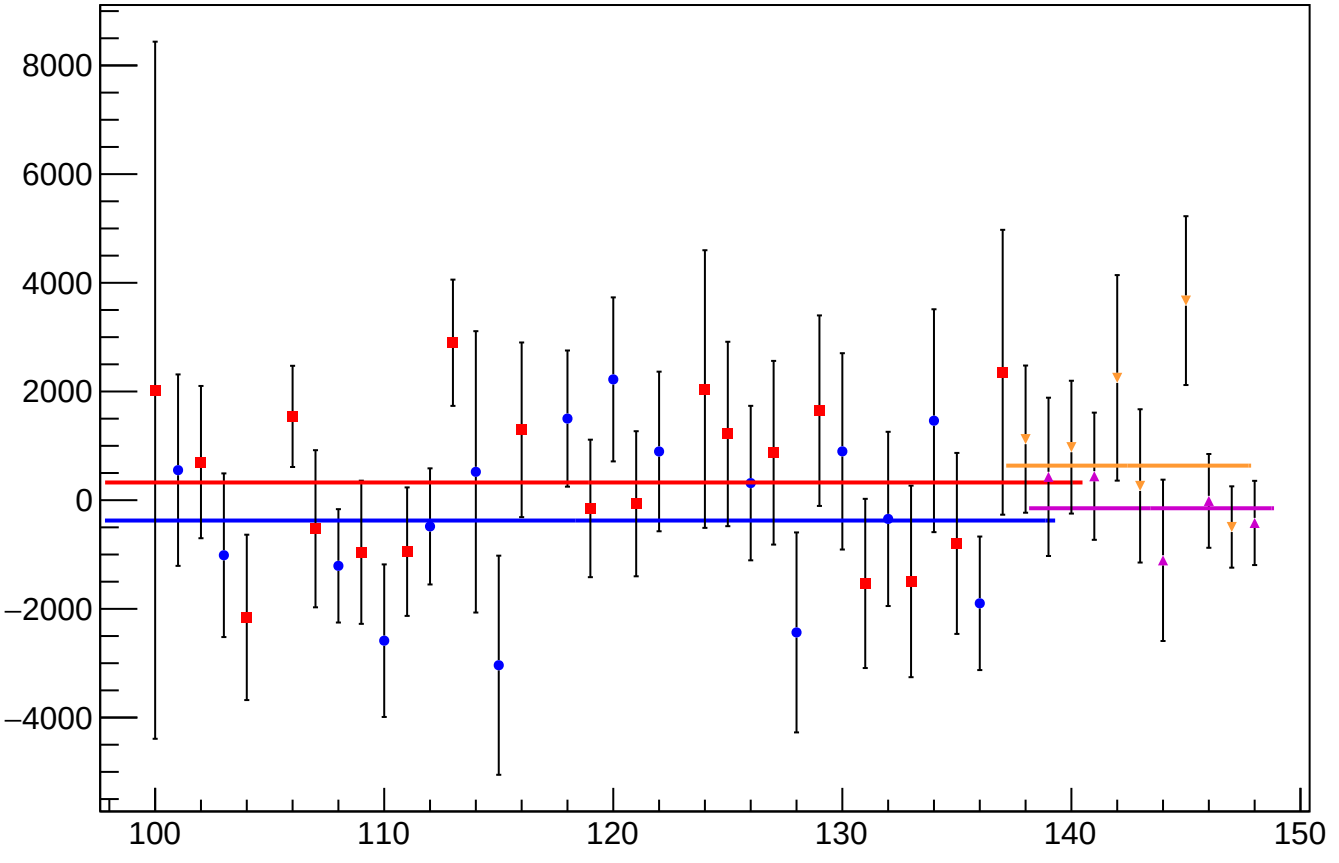
Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

\+ sign 1644.340+/-0.344 χ^2/NDF: 669121.7/21

All: 1642.309+/-0.242 χ^2/NDF: 867321.9/45

\- sign 1640.316+/-0.341 χ^2/NDF: 198131.1/23

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

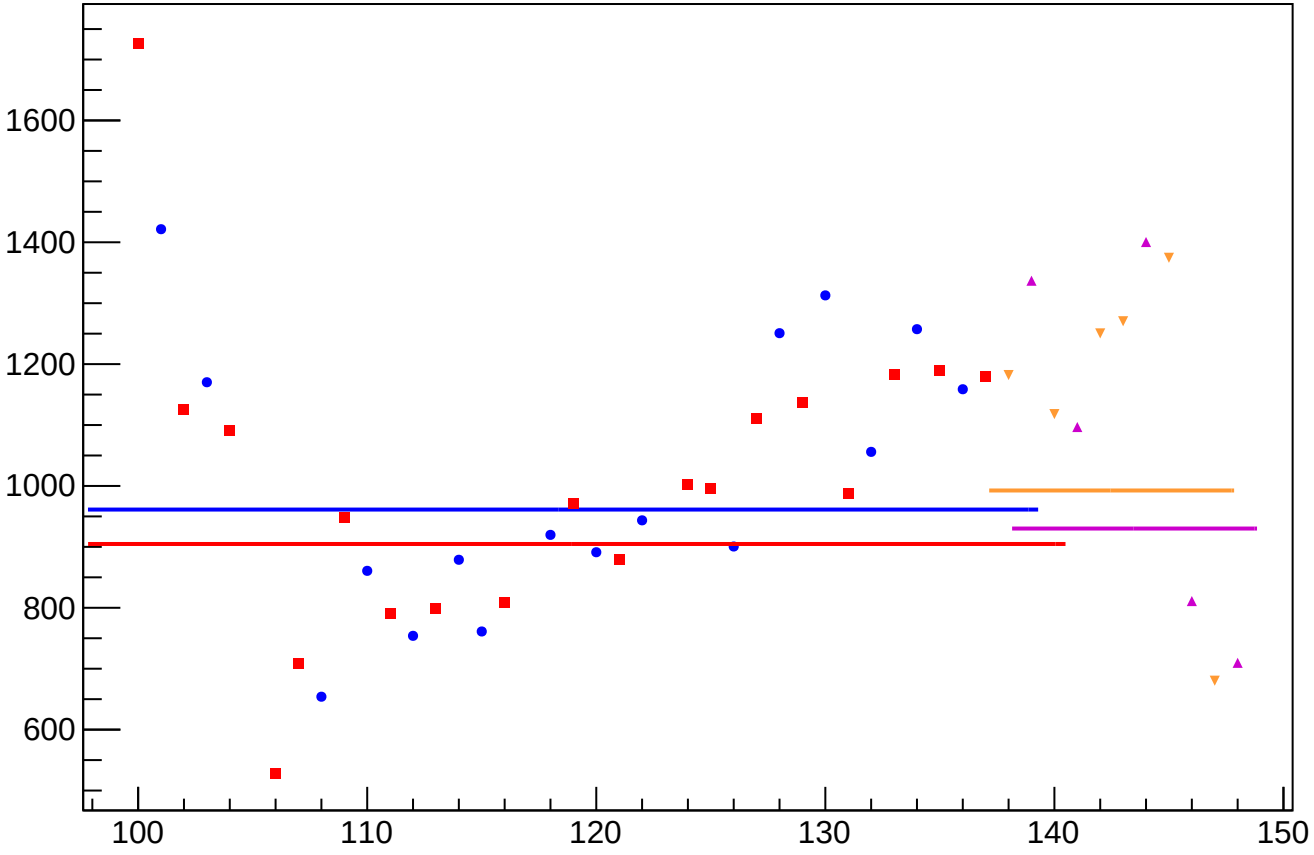
Left In: -148.705+/-463.063 χ^2/NDF:1.0/4

\+ sign -8.534+/-293.829 χ^2/NDF: 25.6/21

All: 81.022+/-200.541 χ^2/NDF: 44.8/45

\- sign 159.116+/-274.384 χ^2/NDF: 19.1/23

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

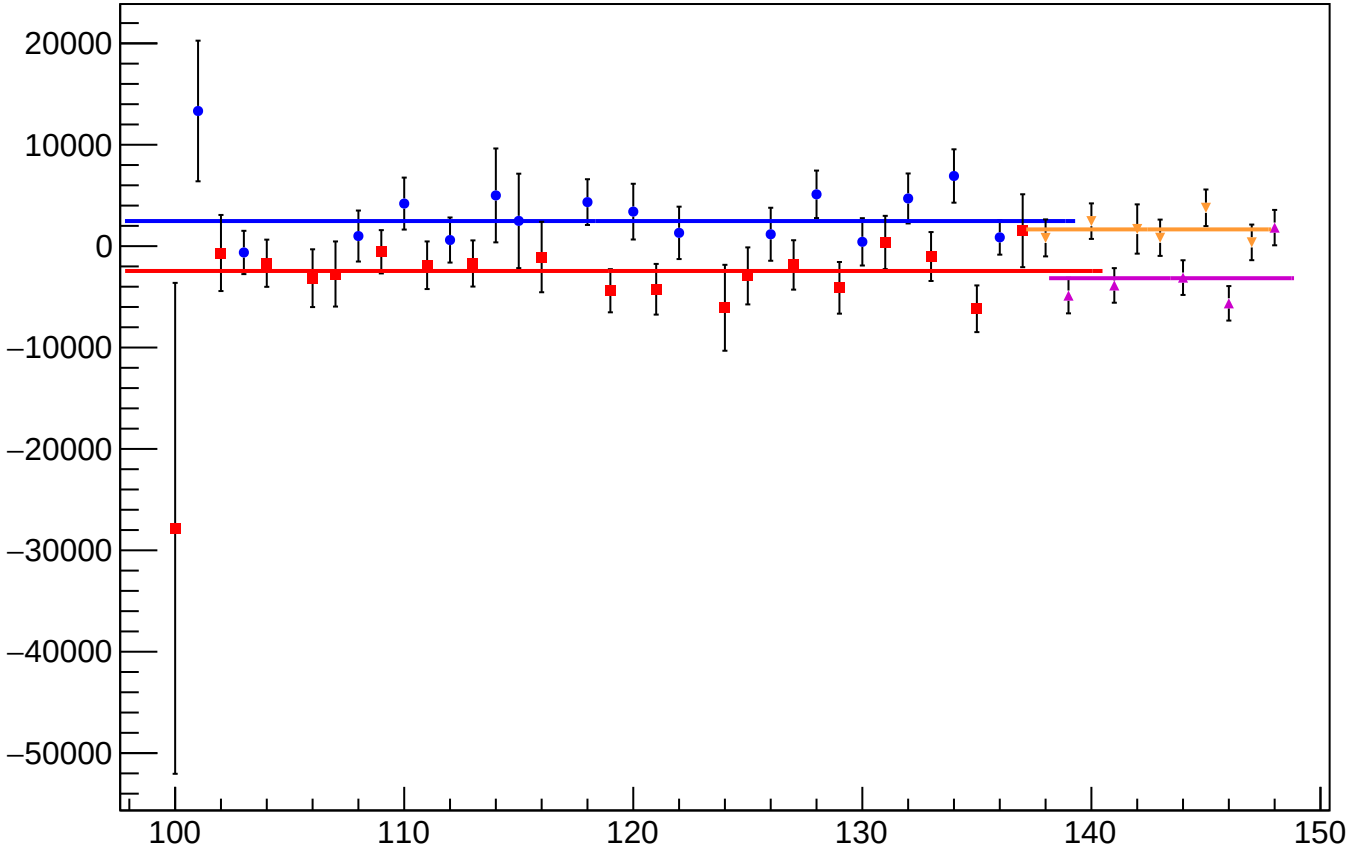
Left In: 930.091+/-0.327 χ^2/NDF:597263.8/4

+ sign 972.588+/-0.208 χ^2/NDF: 1341087.3/21

All: 941.098+/-0.142 χ^2/NDF: 2721728.2/45

- sign 913.639+/-0.194 χ^2/NDF: 1337639.5/23

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

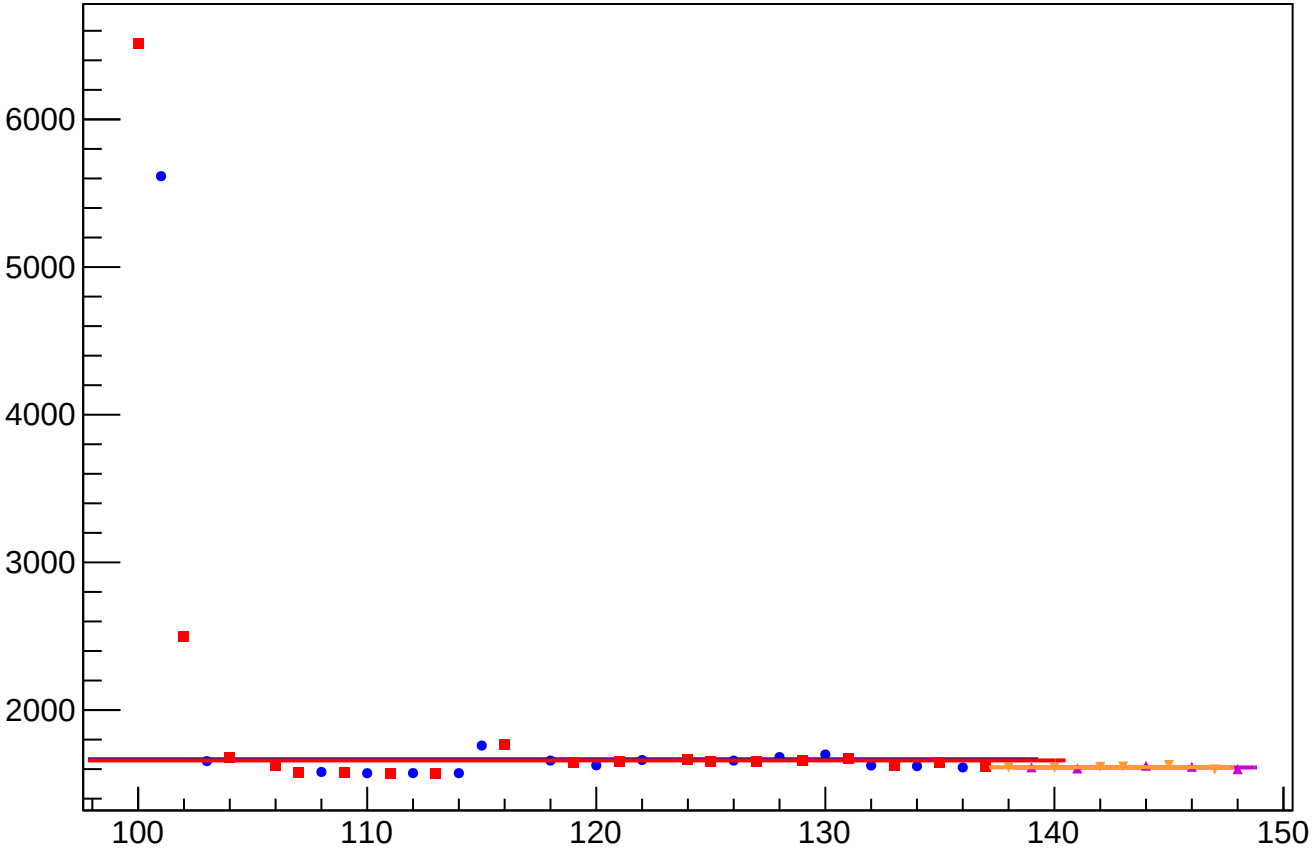
Left In: -3161.721+/-770.313 χ^2/NDF:11.4/4

+ sign 2136.721+/-486.385 χ^2/NDF: 17.5/21

All: -318.512+/-342.301 χ^2/NDF: 90.5/45

- sign -2727.872+/-481.820 χ^2/NDF: 22.5/23

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

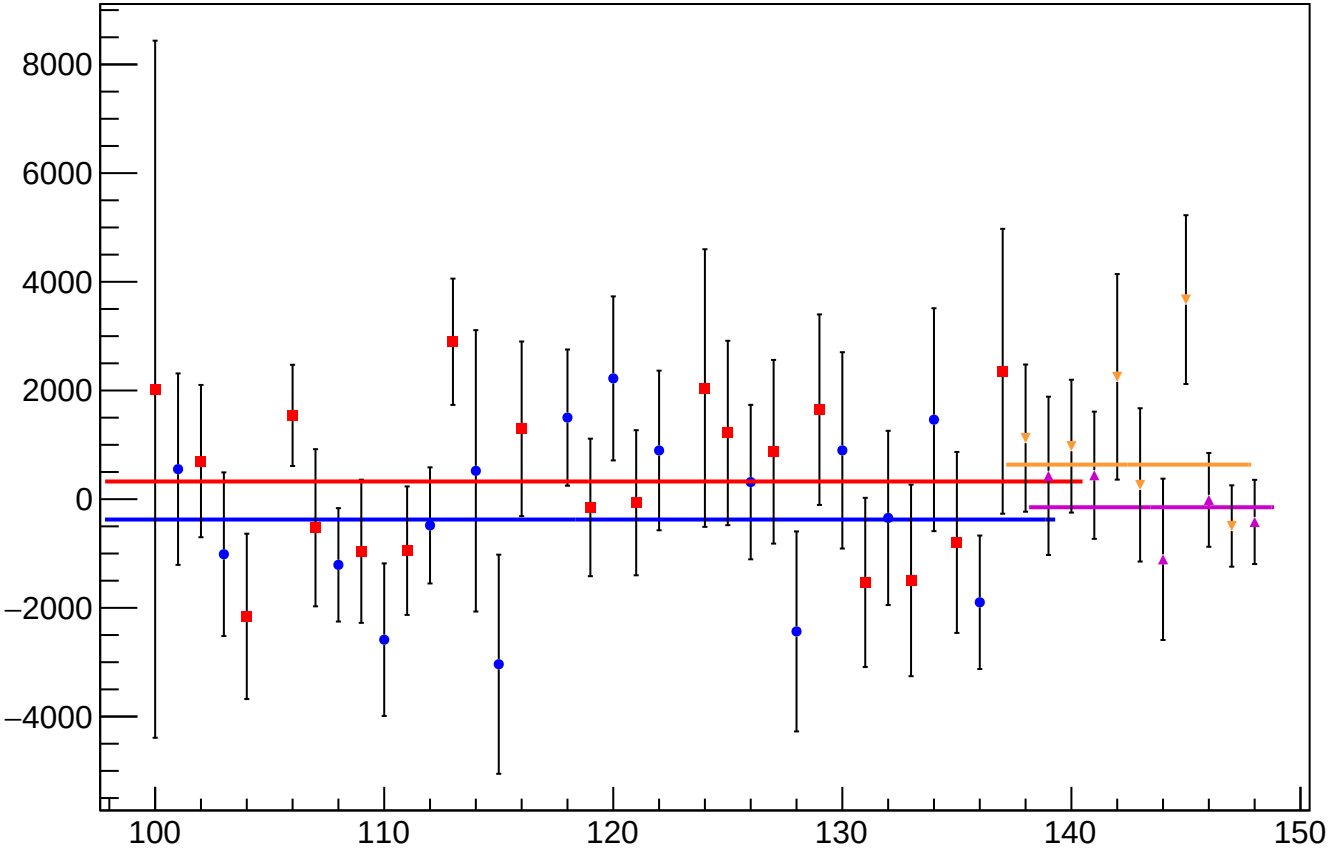
Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

\+ sign 1644.340+/-0.344 χ^2/NDF: 669121.7/21

All: 1642.309+/-0.242 χ^2/NDF: 867321.7/45

\- sign 1640.316+/-0.341 χ^2/NDF: 198130.9/23

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 635.812+/-488.167 χ^2/NDF:7.1/5

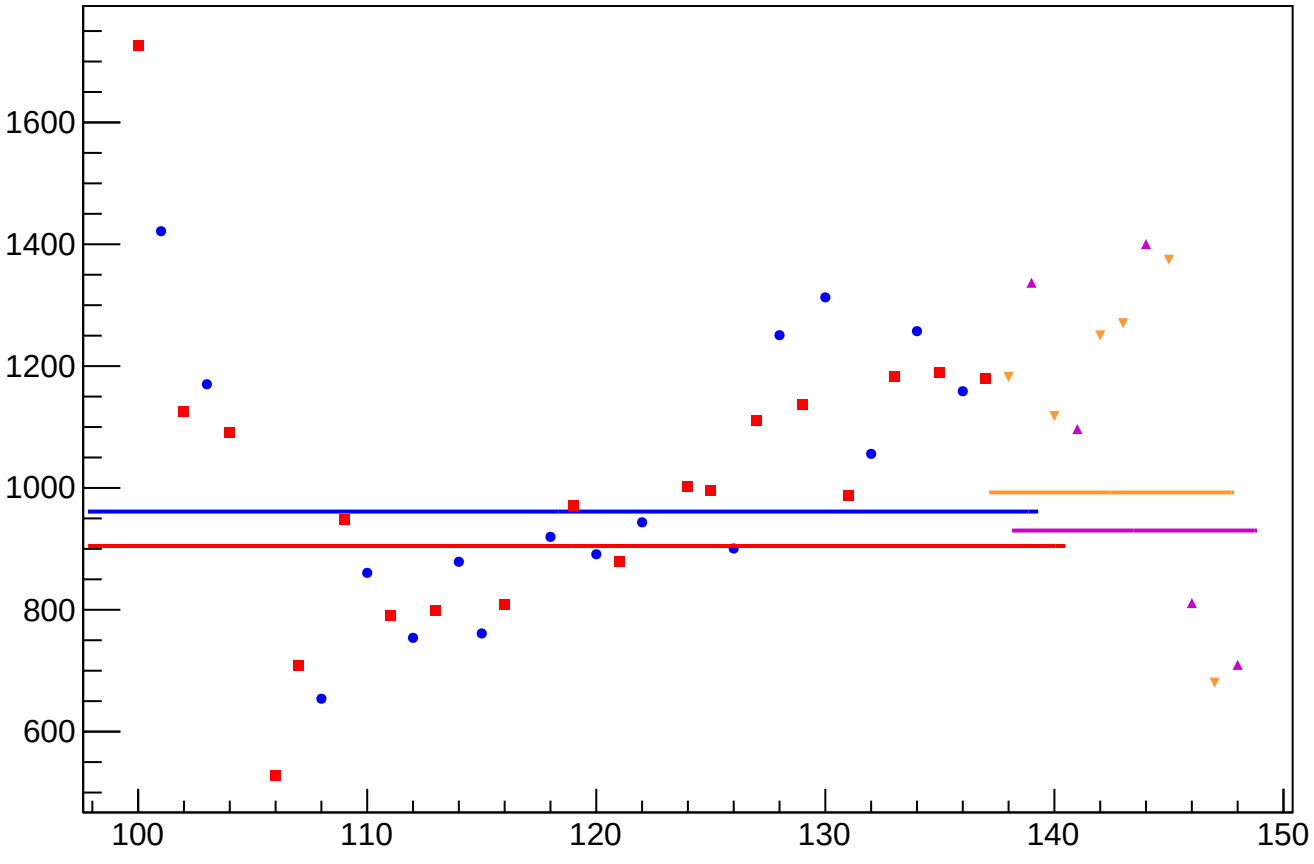
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -148.704+/-463.064 χ^2/NDF:1.0/4

\+ sign -8.536+/-293.828 χ^2/NDF: 25.6/21

All: 81.021+/-200.540 χ^2/NDF: 44.8/45

\- sign 159.116+/-274.383 χ^2/NDF: 19.1/23



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

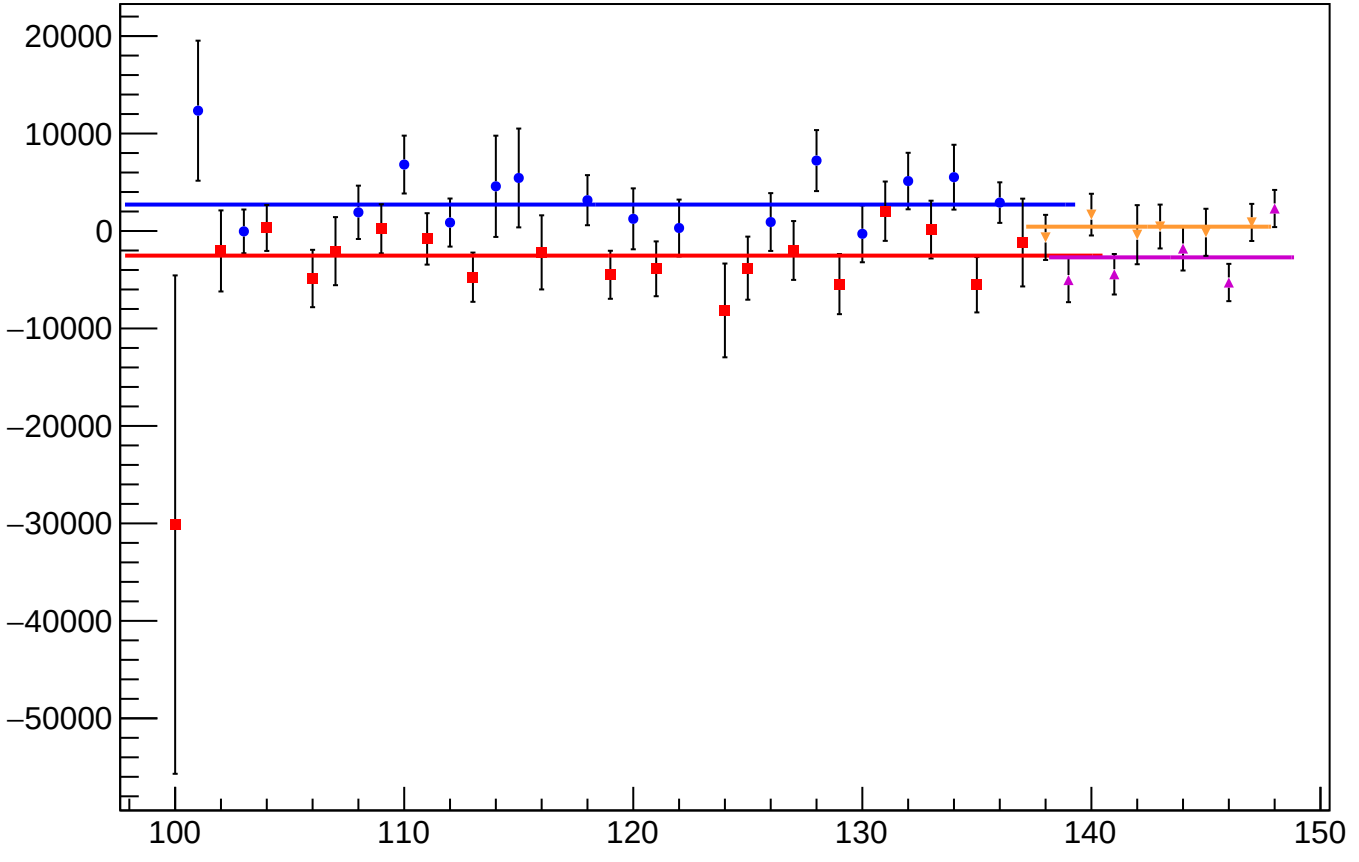
Left In: 930.093+/-0.327 χ^2/NDF:597265.1/4

+ sign 972.586+/-0.208 χ^2/NDF: 1341098.3/21

All: 941.097+/-0.142 χ^2/NDF: 2721738.2/45

- sign 913.638+/-0.194 χ^2/NDF: 1337639.5/23

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

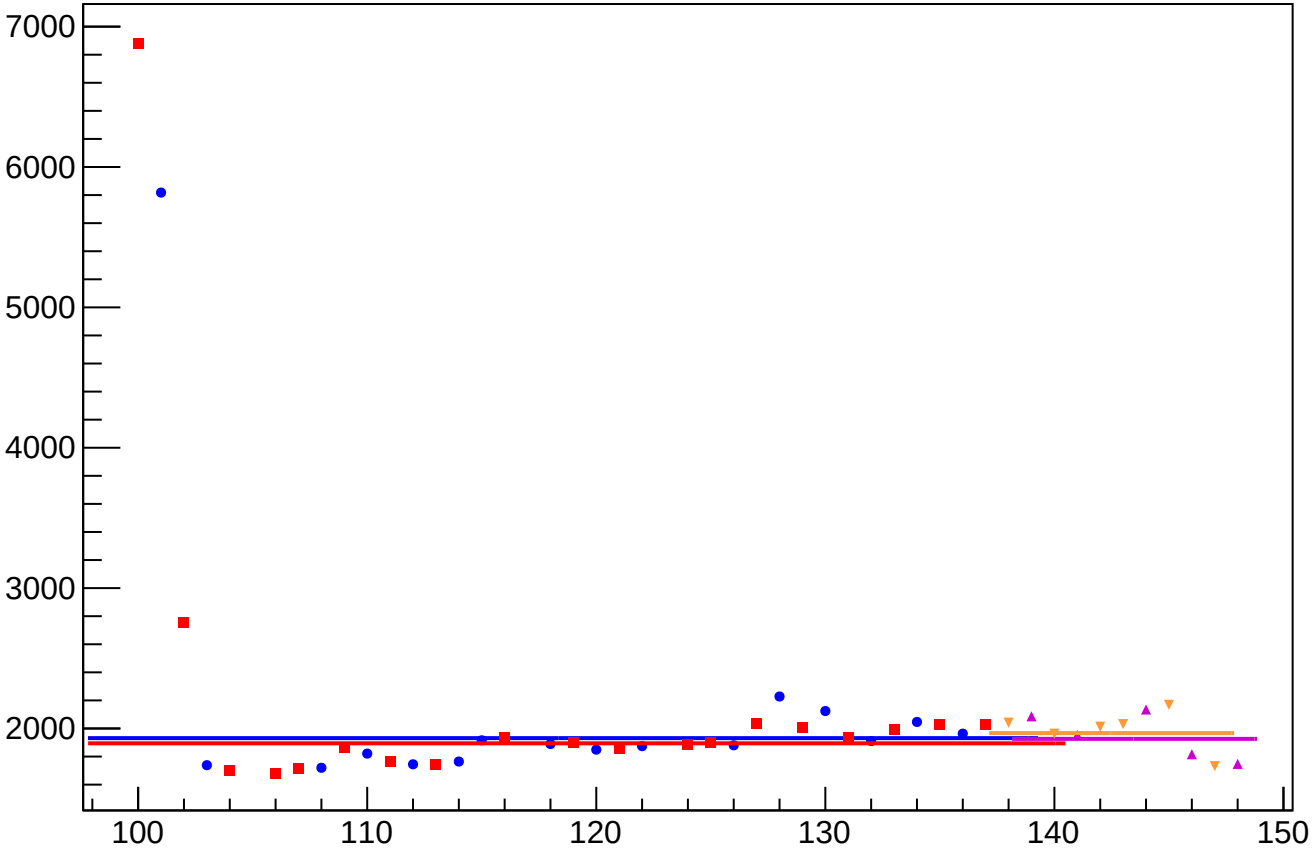
Left In: -2704.636+/-924.155 χ^2/NDF:10.6/4

+ sign 1837.670+/-576.398 χ^2/NDF: 16.5/21

All: -435.933+/-402.112 χ^2/NDF: 70.8/45

- sign -2591.593+/-561.249 χ^2/NDF: 23.9/23

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

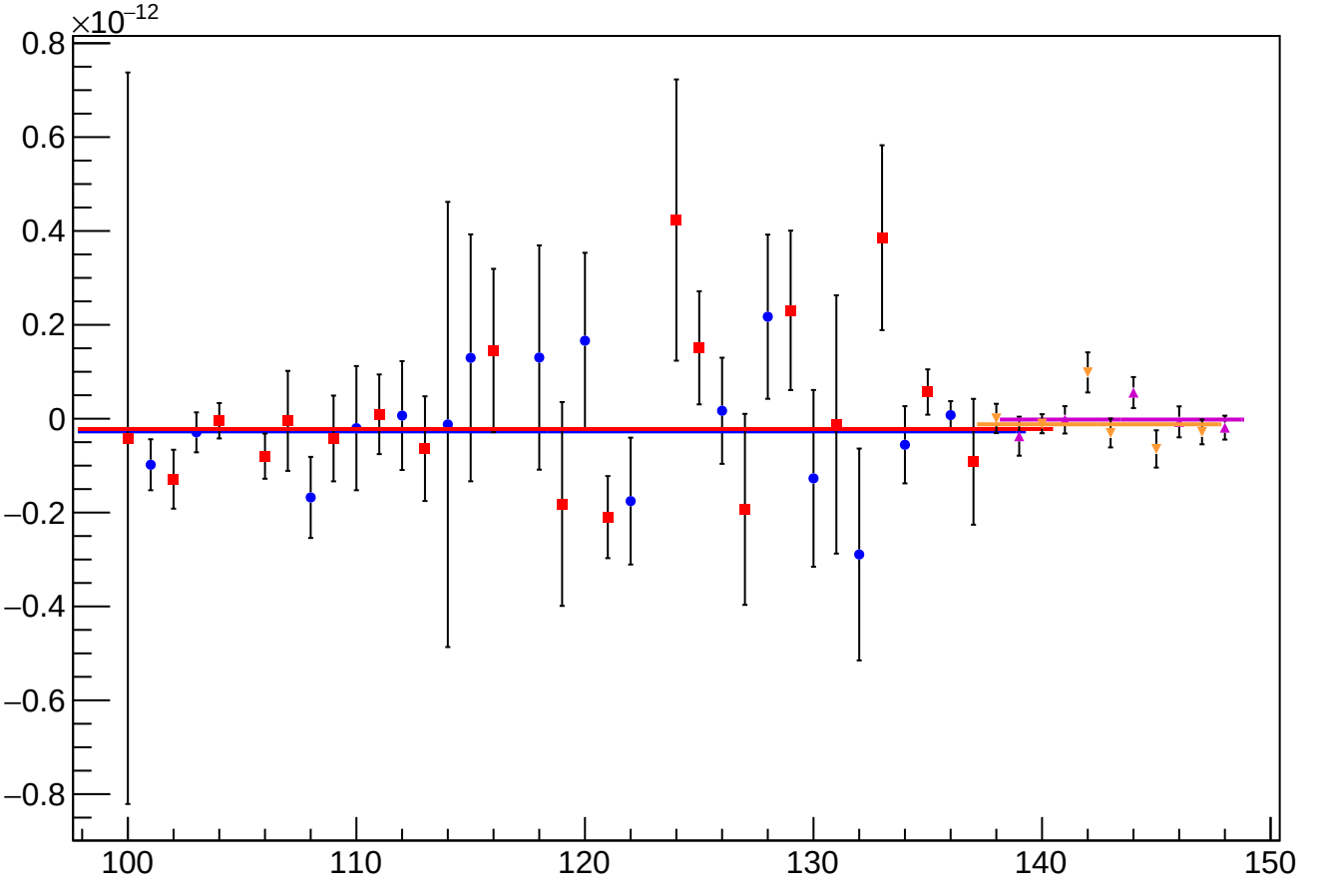
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1925.991+/-0.653 χ^2/NDF:51629.5/4

+ sign 1945.127+/-0.408 χ^2/NDF: 711704.0/21

All: 1925.052+/-0.284 χ^2/NDF: 990080.4/45

- sign 1906.019+/-0.397 χ^2/NDF: 273650.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/5

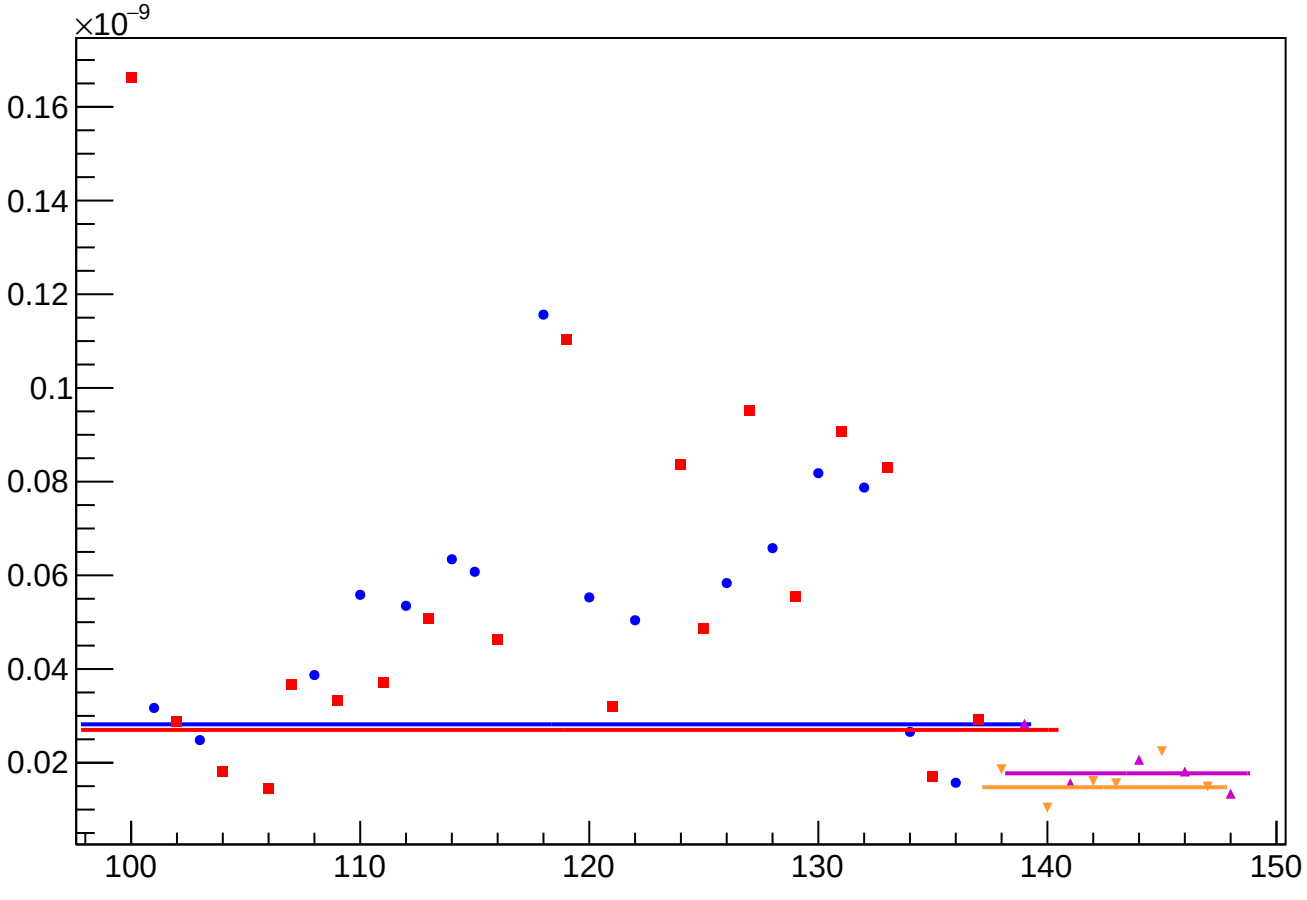
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/21

All: -0.000+/-0.000 χ^2/NDF: 53.1/45

- sign -0.000+/-0.000 χ^2/NDF: 30.3/23



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

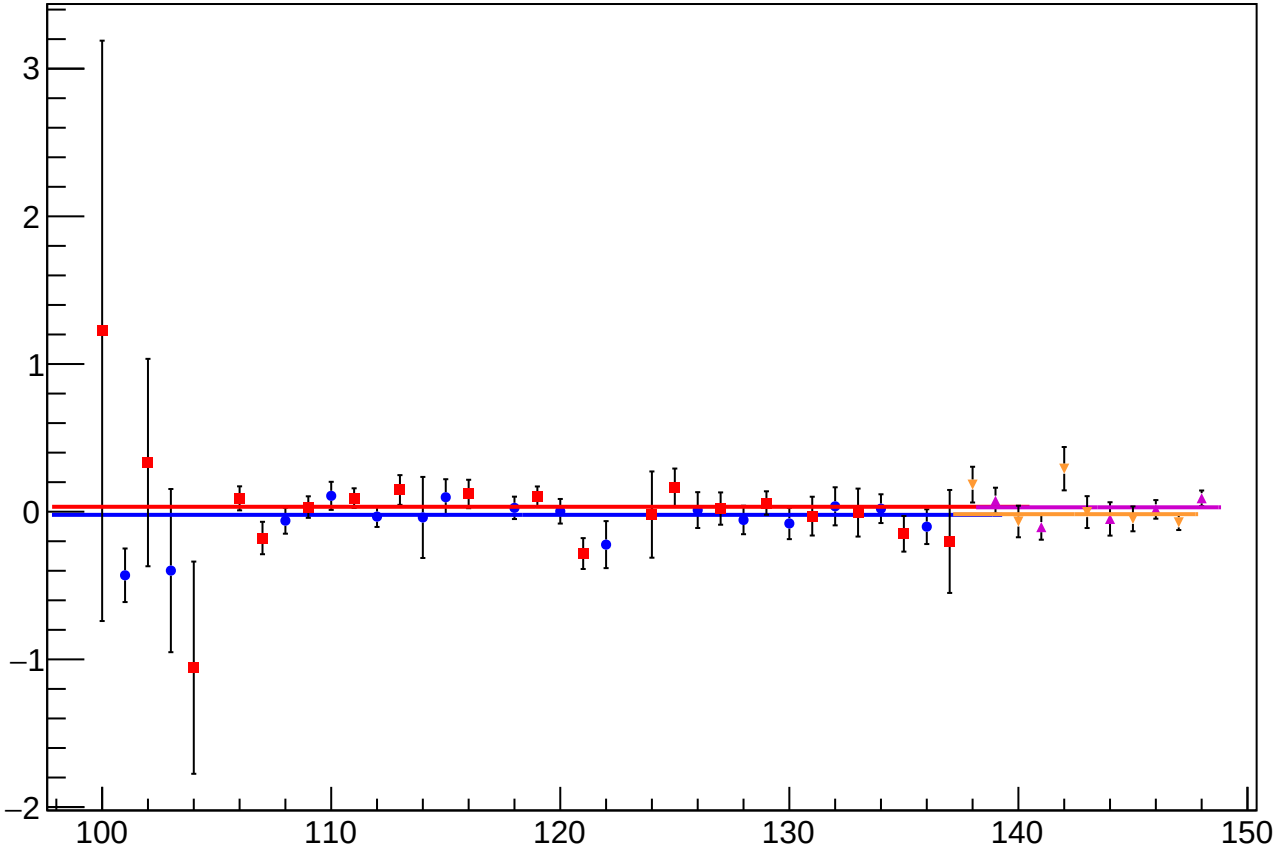
Left In: 0.000+/-0.000 χ^2/NDF:213679.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 2401841.5/21

All: 0.000+/-0.000 χ^2/NDF: 4524359.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2071114.2/23

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

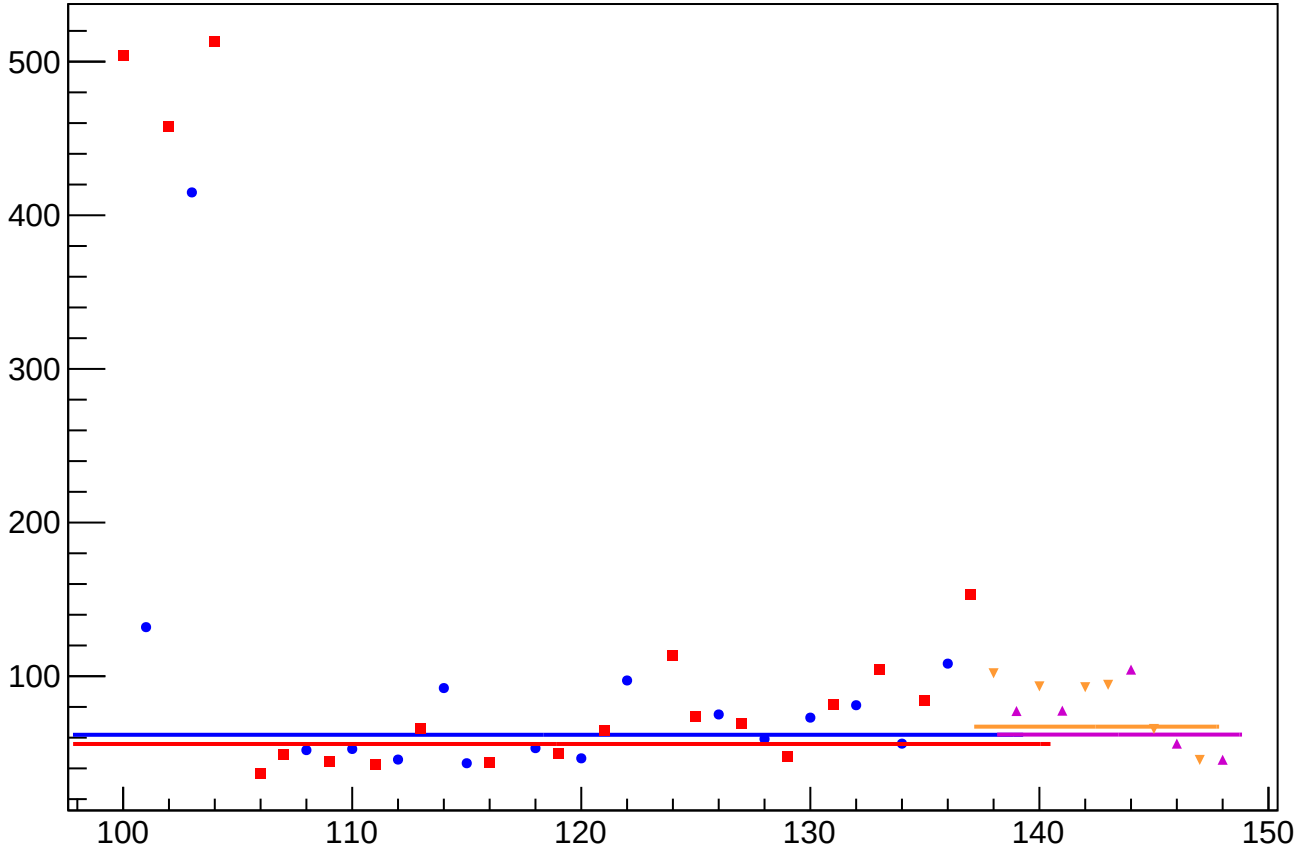
Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.008+/-0.014 χ^2/NDF: 52.9/45

- sign 0.032+/-0.020 χ^2/NDF: 29.0/23

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

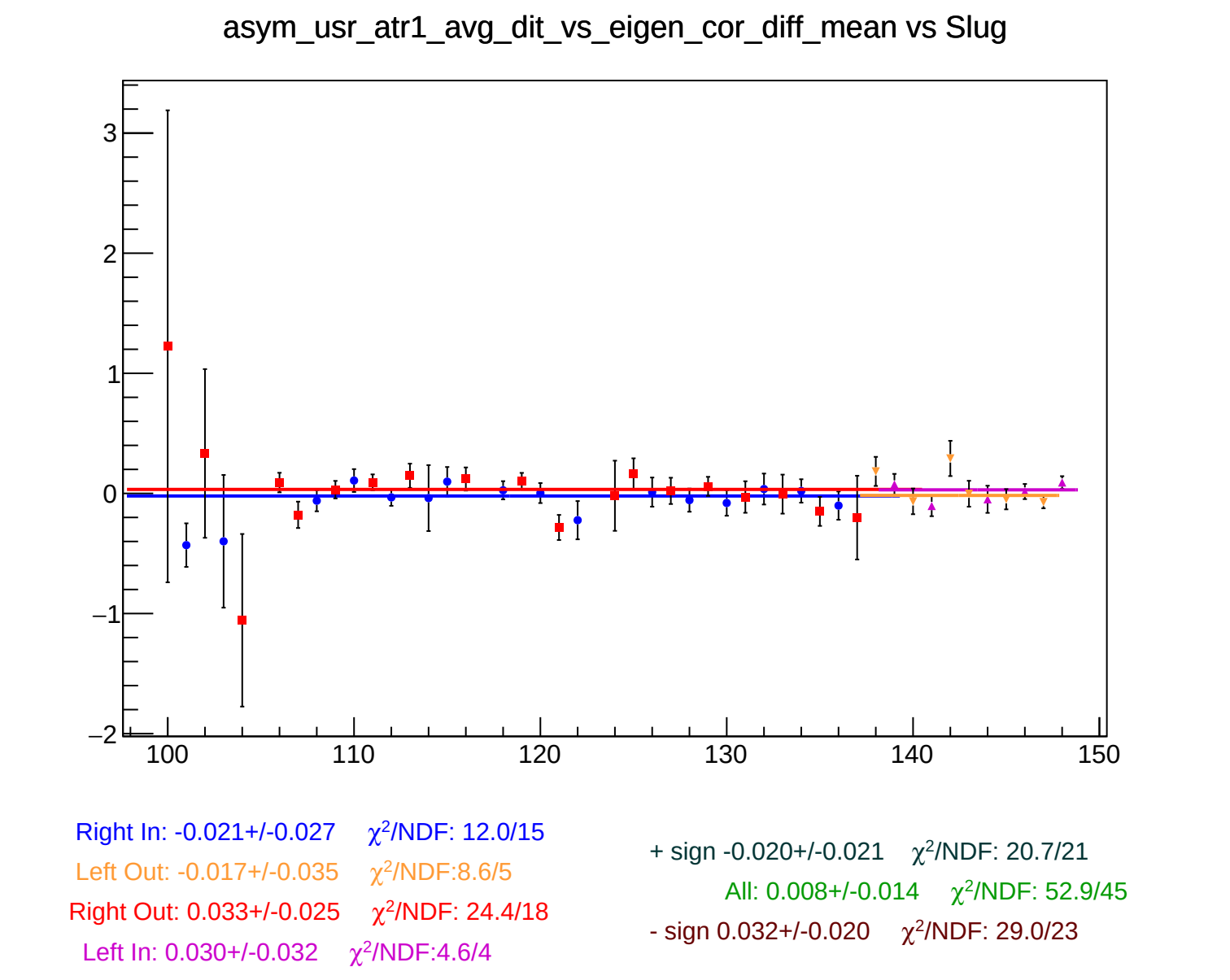
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

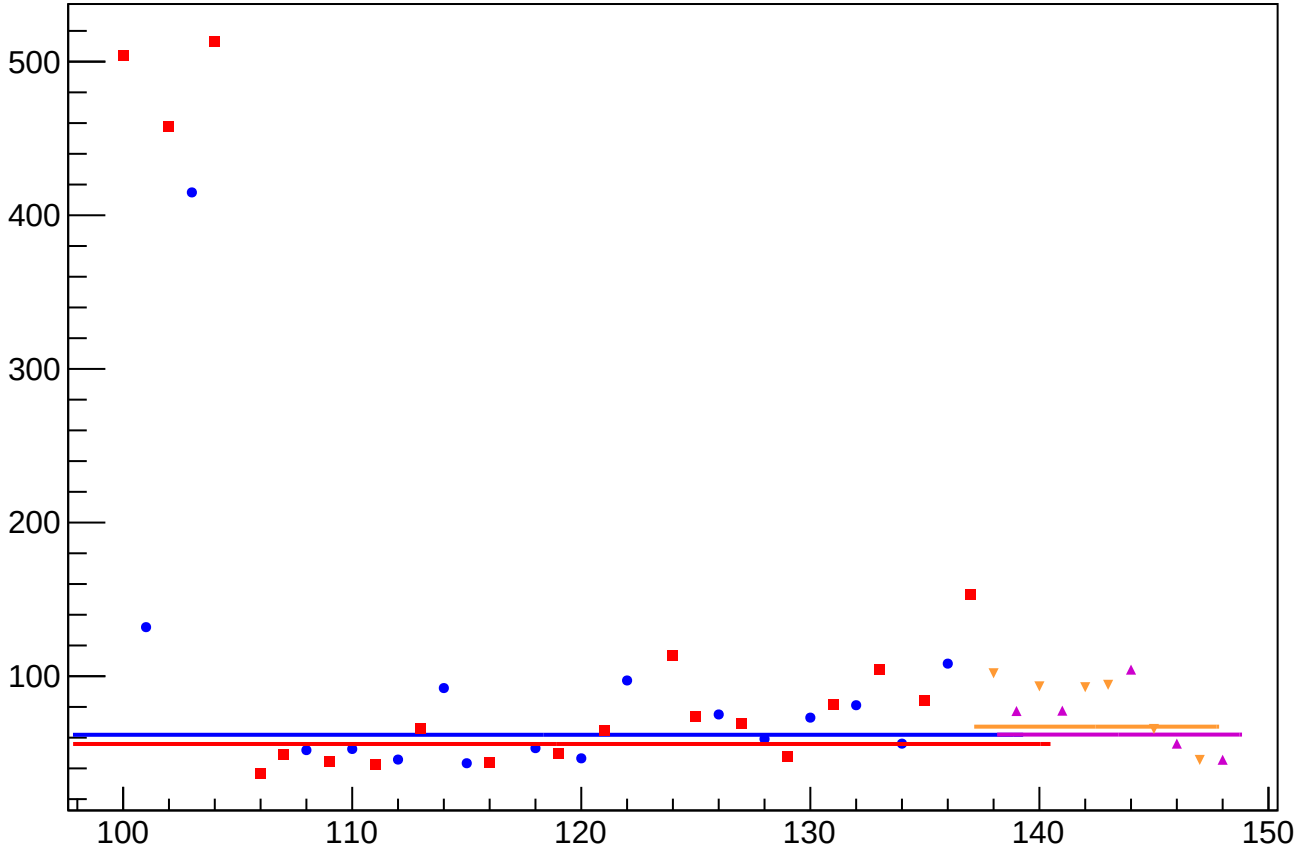
+ sign 63.780+/-0.015 χ^2/NDF: 2785847.5/21

All: 60.723+/-0.010 χ^2/NDF: 6119333.4/45

- sign 58.134+/-0.014 χ^2/NDF: 3257030.6/23


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.030+/-0.032 χ²/NDF:4.6/4
+ sign -0.020+/-0.021 χ²/NDF: 20.7/21
All: 0.008+/-0.014 χ²/NDF: 52.9/45
- sign 0.032+/-0.020 χ²/NDF: 29.0/23

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

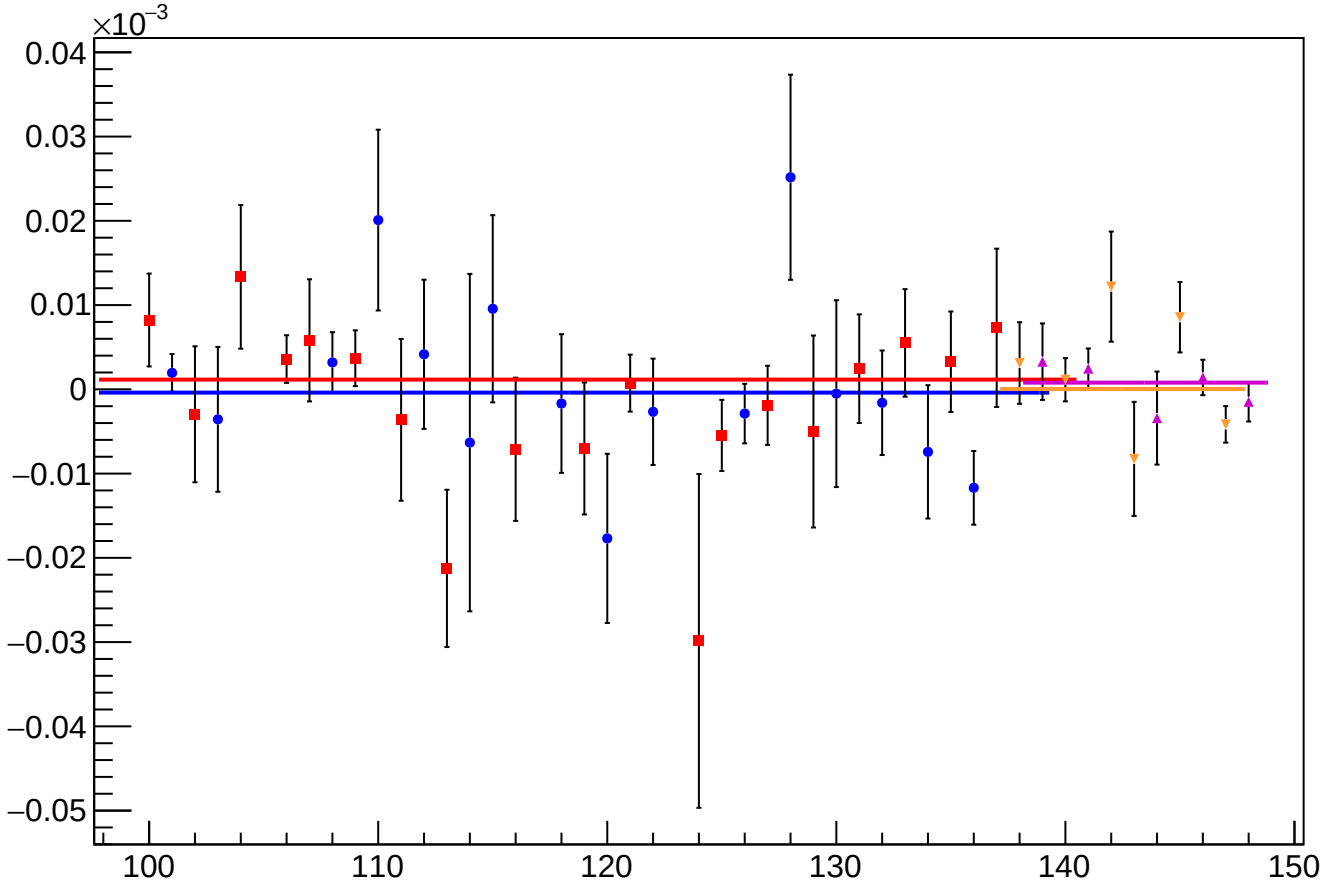
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

+ sign 63.780+/-0.015 χ^2/NDF: 2785847.5/21

All: 60.723+/-0.010 χ^2/NDF: 6119333.4/45

- sign 58.134+/-0.014 χ^2/NDF: 3257030.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/5

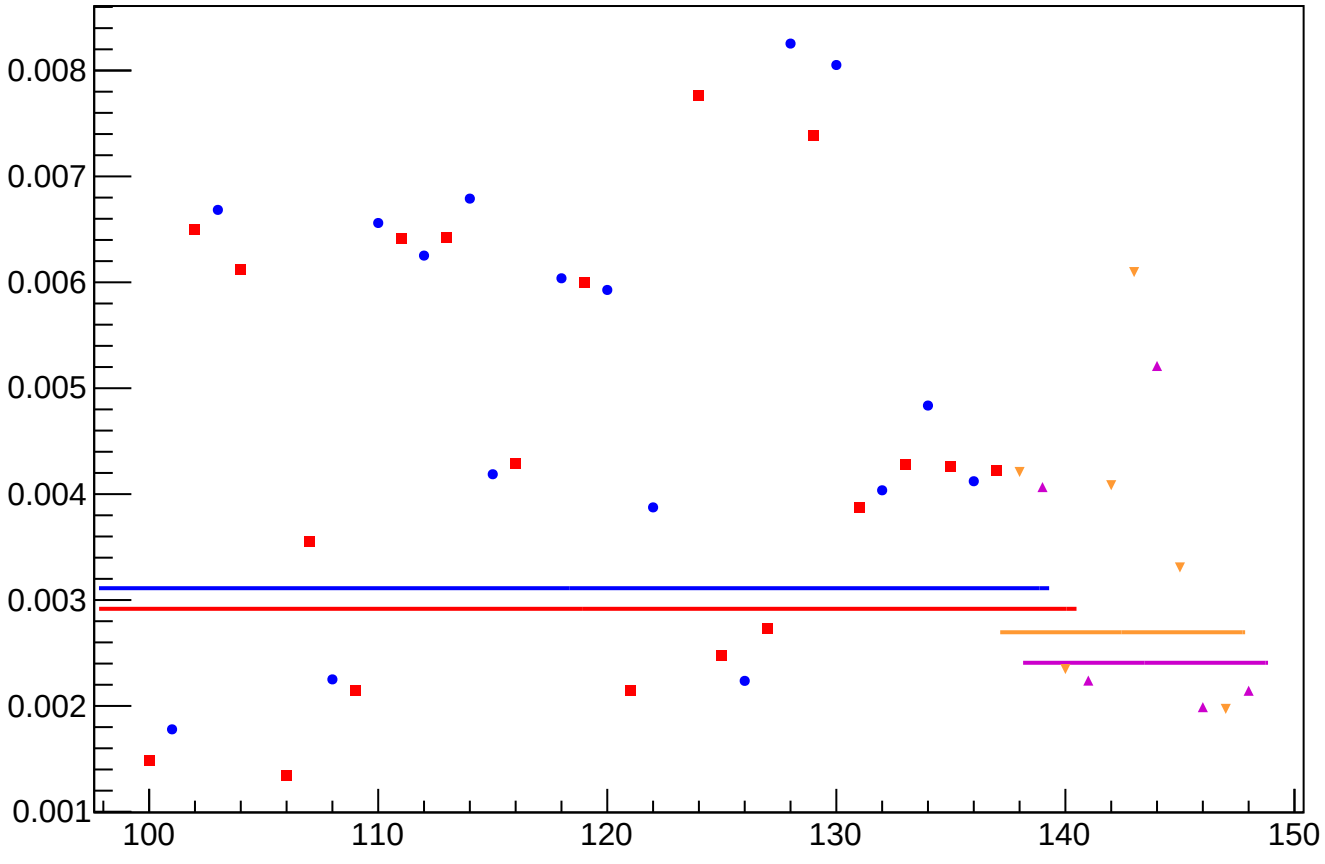
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 36.1/21

All: 0.000+/-0.000 χ^2/NDF: 59.7/45

- sign 0.000+/-0.000 χ^2/NDF: 22.9/23



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

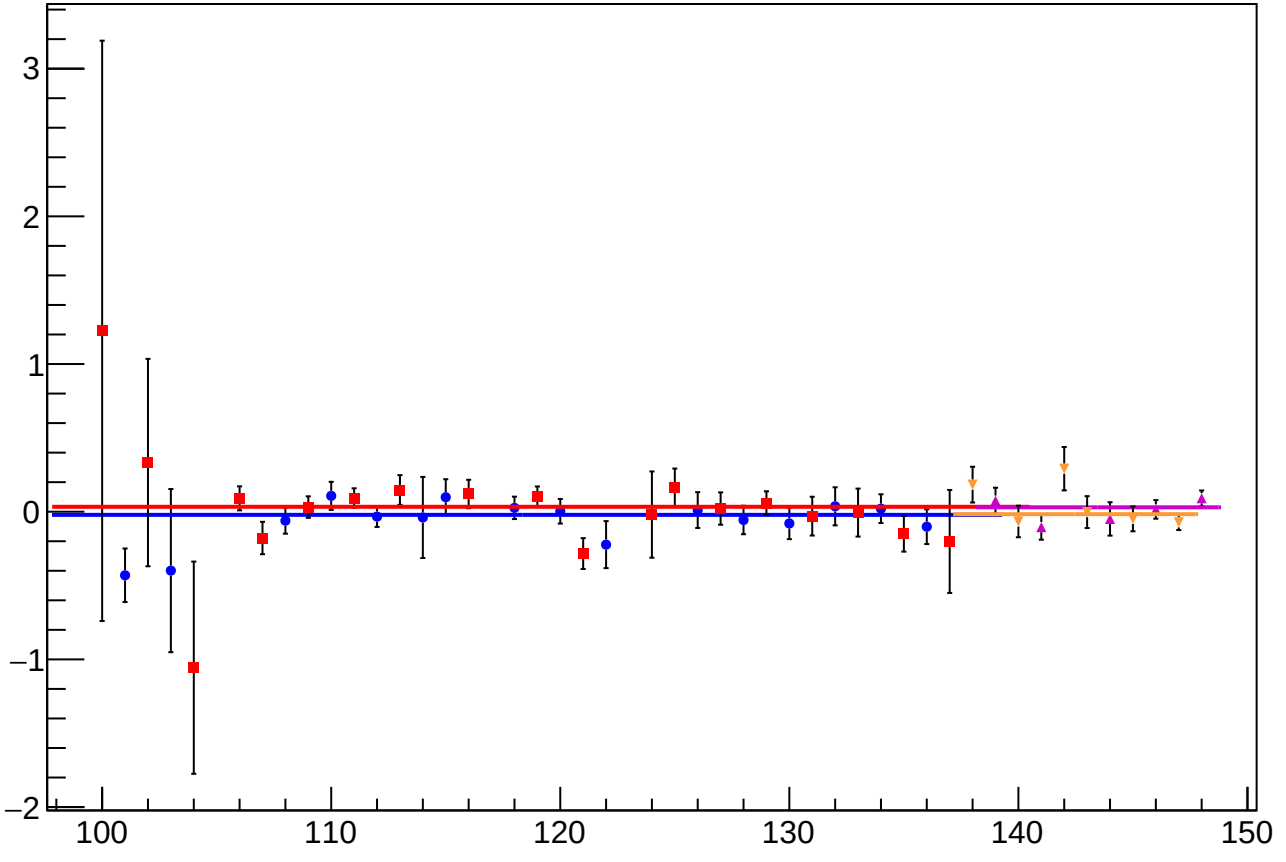
Left In: 0.002+/-0.000 χ^2/NDF:897075.4/4

+ sign 0.003+/-0.000 χ^2/NDF: 4468945.1/21

All: 0.003+/-0.000 χ^2/NDF: 8908545.4/45

- sign 0.003+/-0.000 χ^2/NDF: 4361609.6/23

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

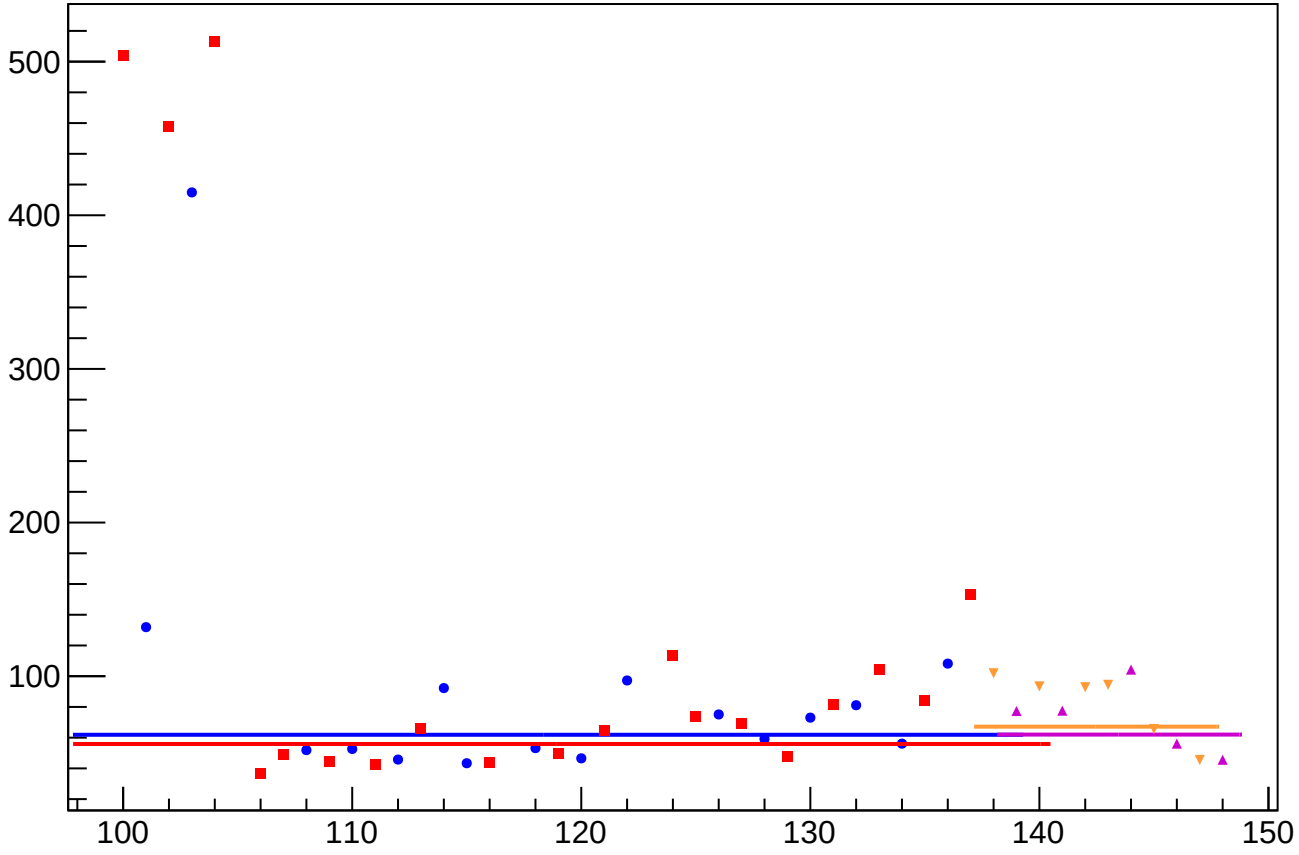
Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.008+/-0.014 χ^2/NDF: 52.9/45

- sign 0.032+/-0.020 χ^2/NDF: 29.0/23

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

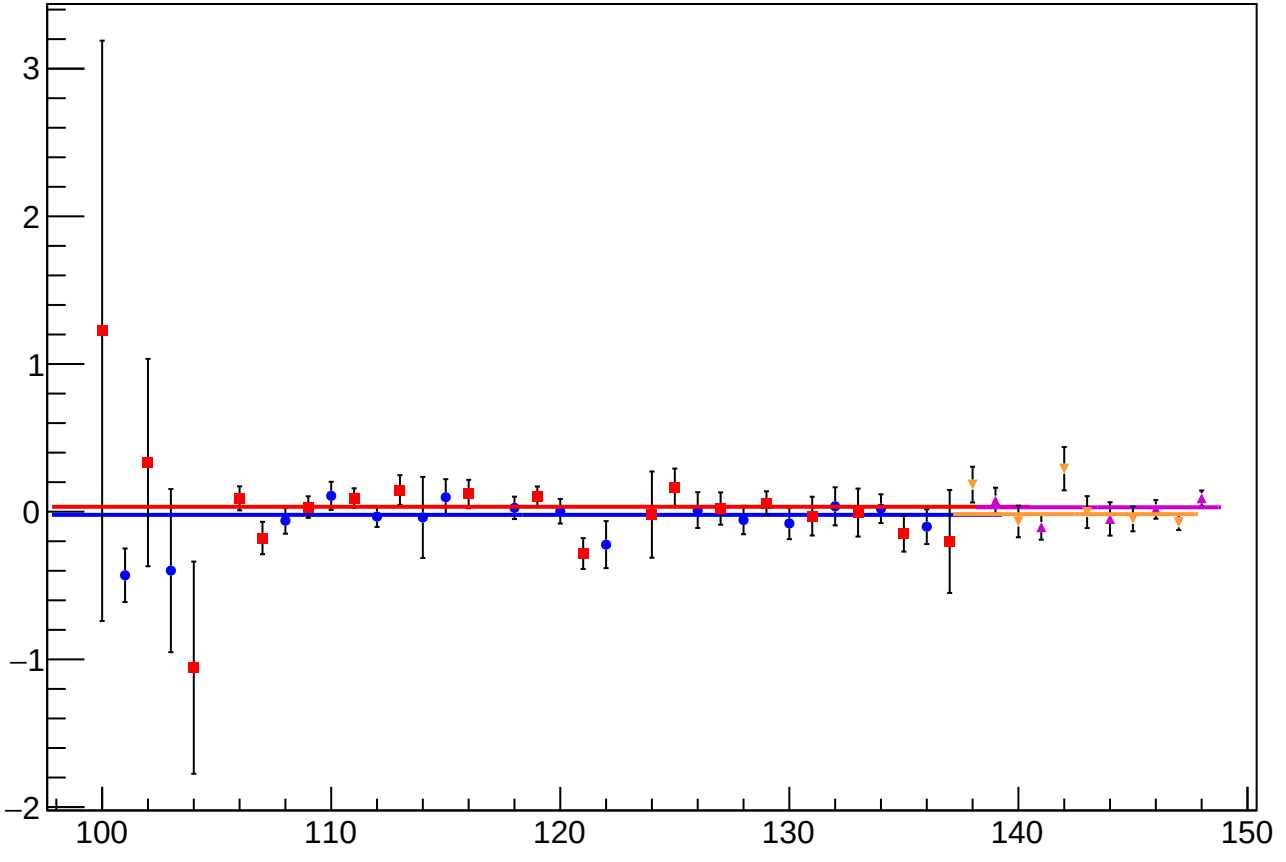
Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

+ sign 63.780+/-0.015 χ^2/NDF: 2785818.1/21

All: 60.723+/-0.010 χ^2/NDF: 6119276.0/45

- sign 58.134+/-0.014 χ^2/NDF: 3257001.5/23

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

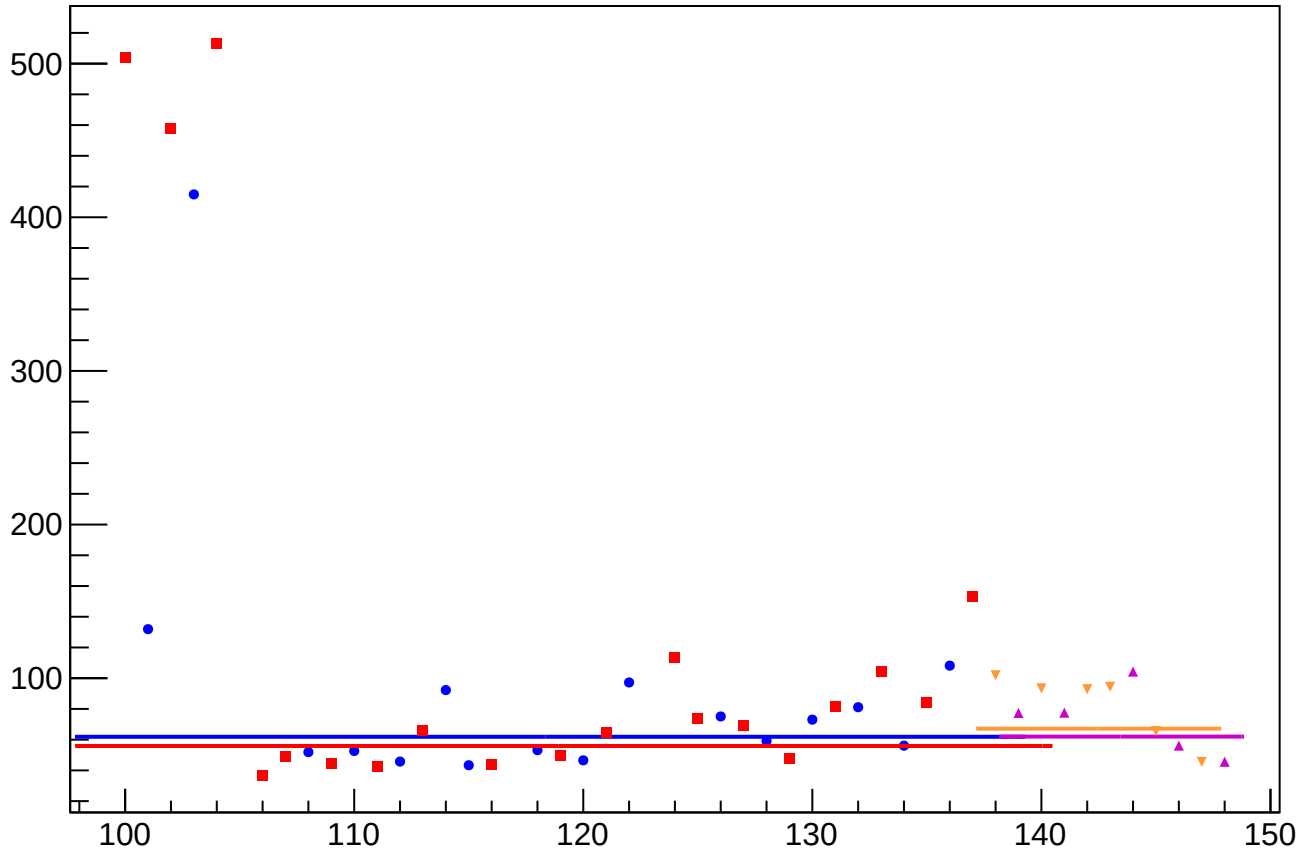
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.020+/-0.021 χ^2/NDF: 20.7/21

All: 0.008+/-0.014 χ^2/NDF: 52.9/45

- sign 0.032+/-0.020 χ^2/NDF: 29.0/23



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 67.167+/-0.025 χ^2/NDF:819338.0/5

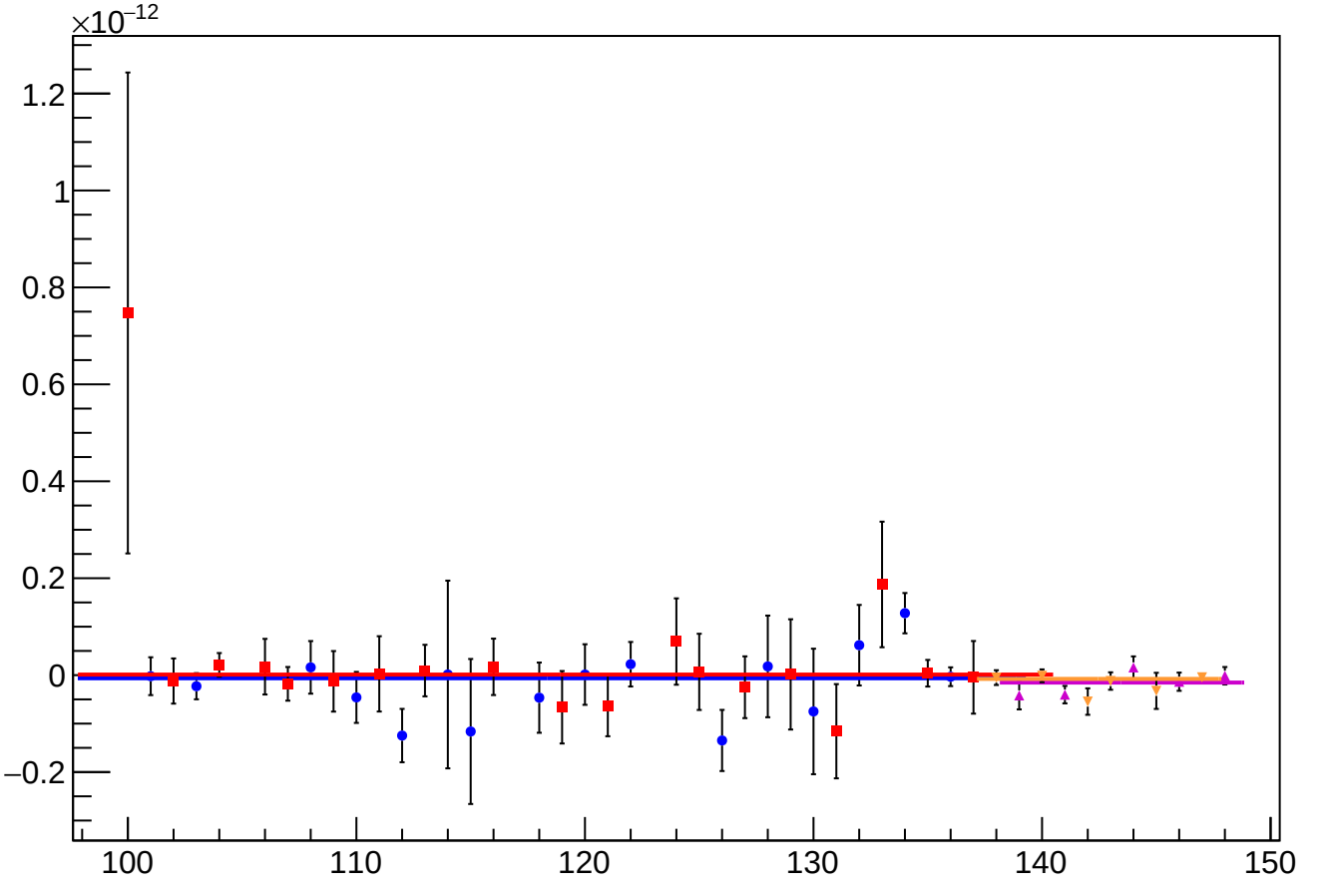
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

+ sign 63.780+/-0.015 χ^2/NDF: 2785818.1/21

All: 60.723+/-0.010 χ^2/NDF: 6119276.0/45

- sign 58.134+/-0.014 χ^2/NDF: 3257001.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

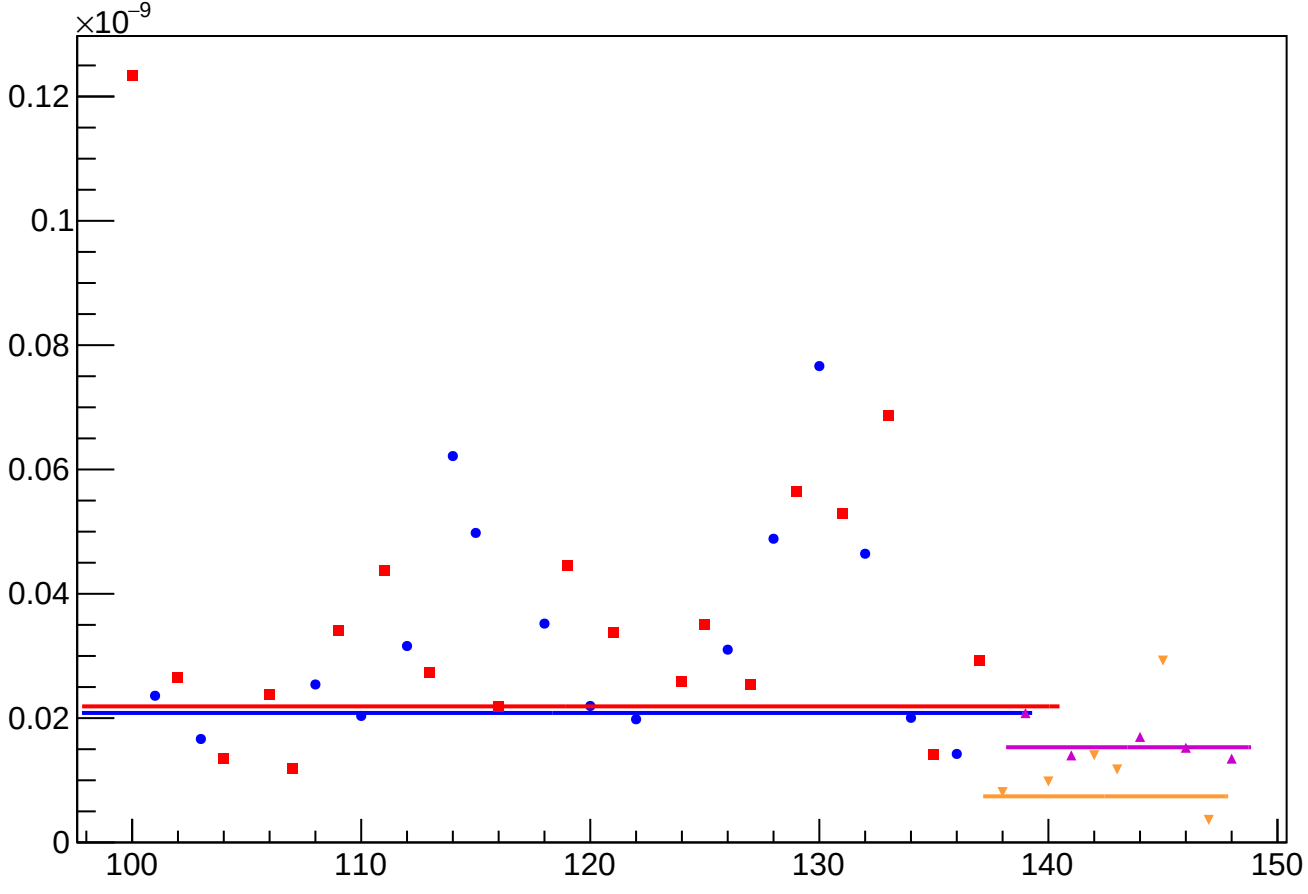
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.7/45

- sign -0.000+/-0.000 χ^2/NDF: 16.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1402298.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

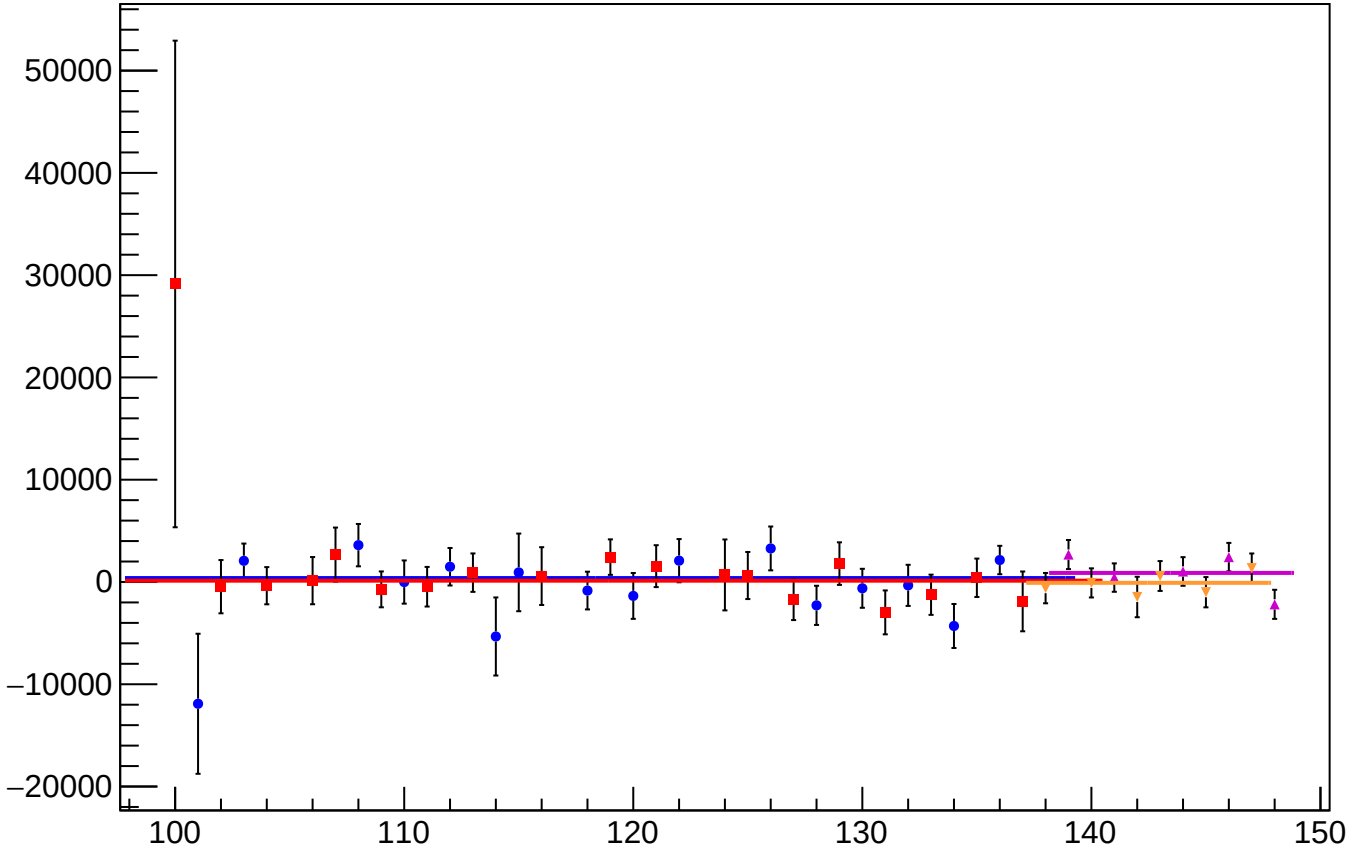
Left In: 0.000+/-0.000 χ^2/NDF:114458.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 5020256.1/21

All: 0.000+/-0.000 χ^2/NDF: 8854862.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2407005.6/23

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

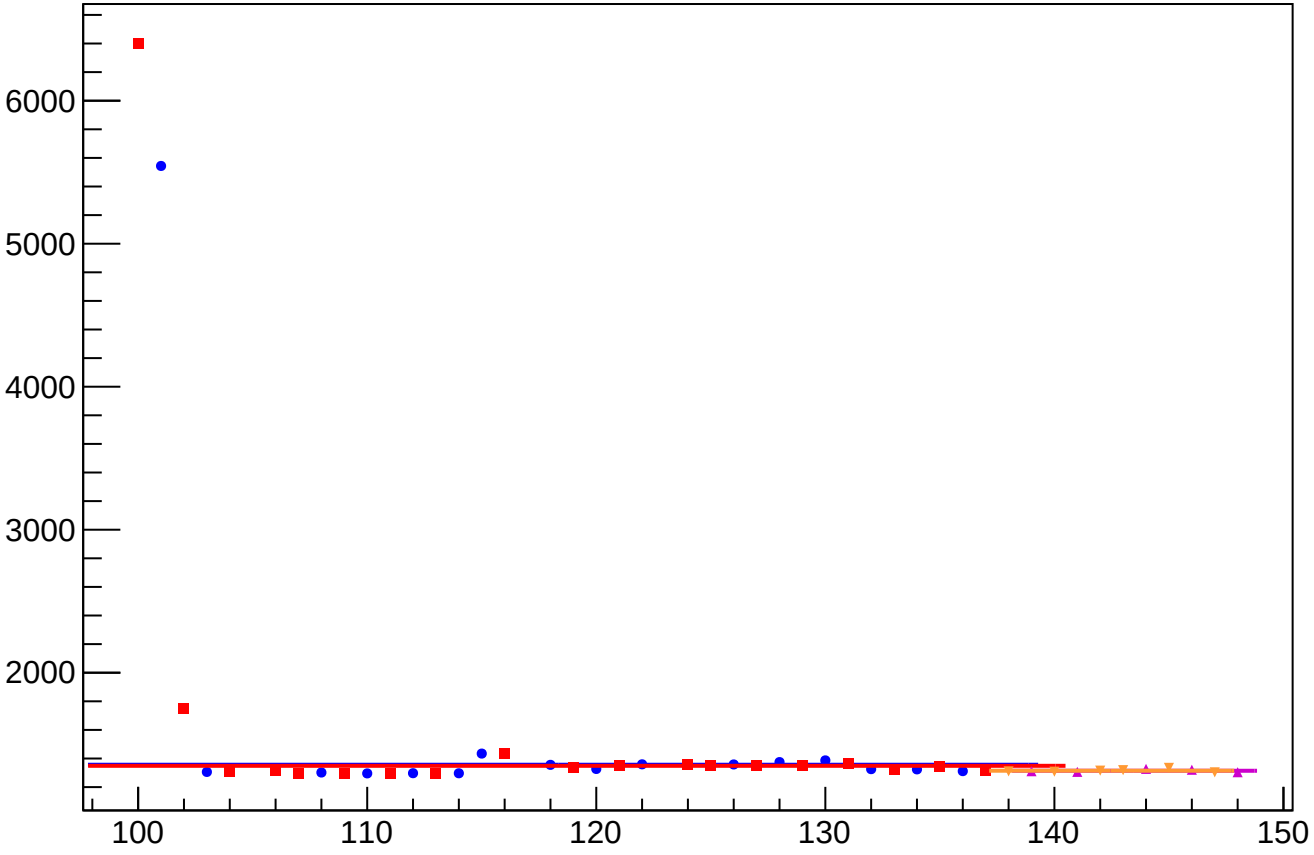
Left In: 885.366+/-628.339 χ^2/NDF:7.6/4

\+ sign 190.171+/-396.977 χ^2/NDF: 24.1/21

All: 307.786+/-278.827 χ^2/NDF: 42.7/45

\- sign 422.306+/-391.717 χ^2/NDF: 18.5/23

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

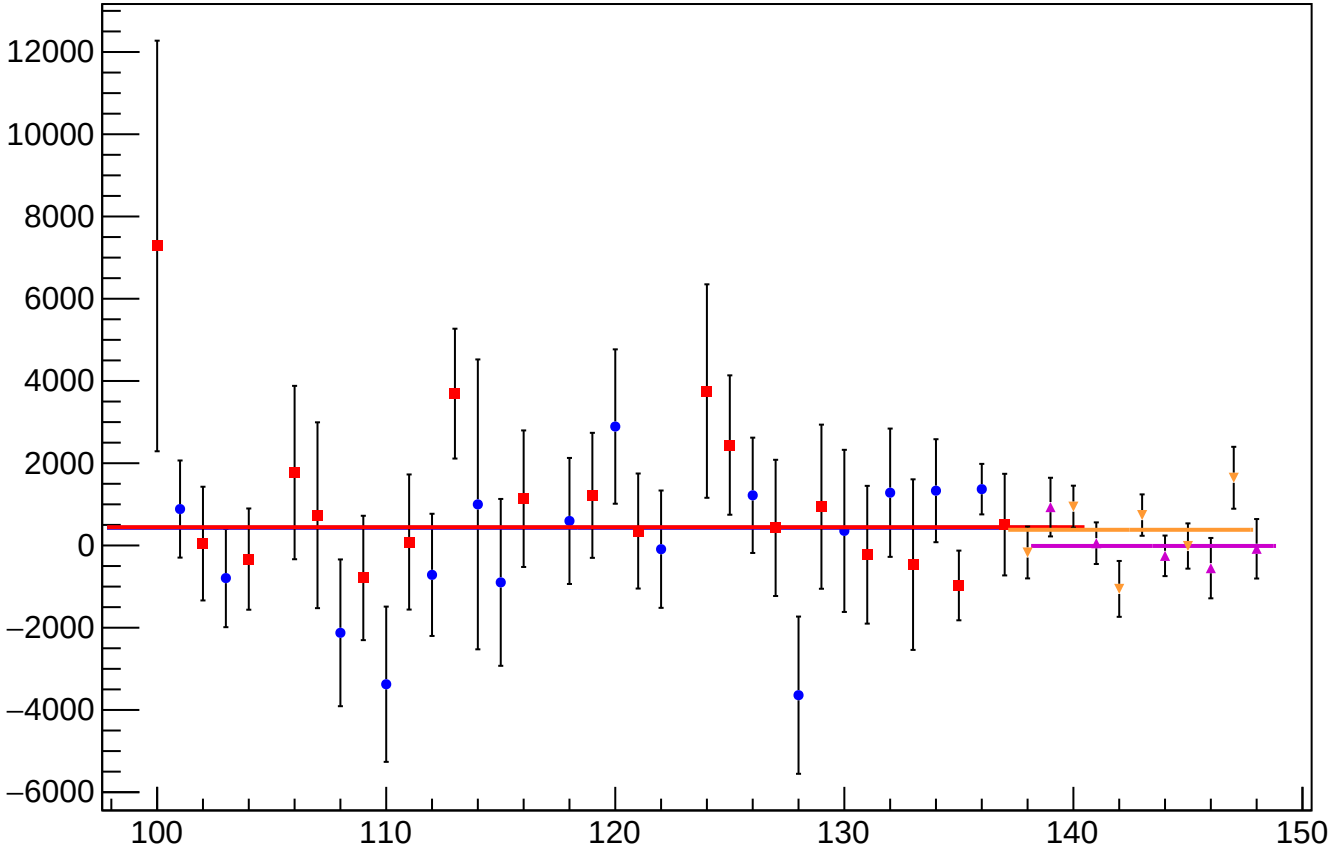
Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.9/21

All: 1337.323+/-0.197 χ^2/NDF: 917671.6/45

- sign 1335.497+/-0.277 χ^2/NDF: 151396.5/23

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

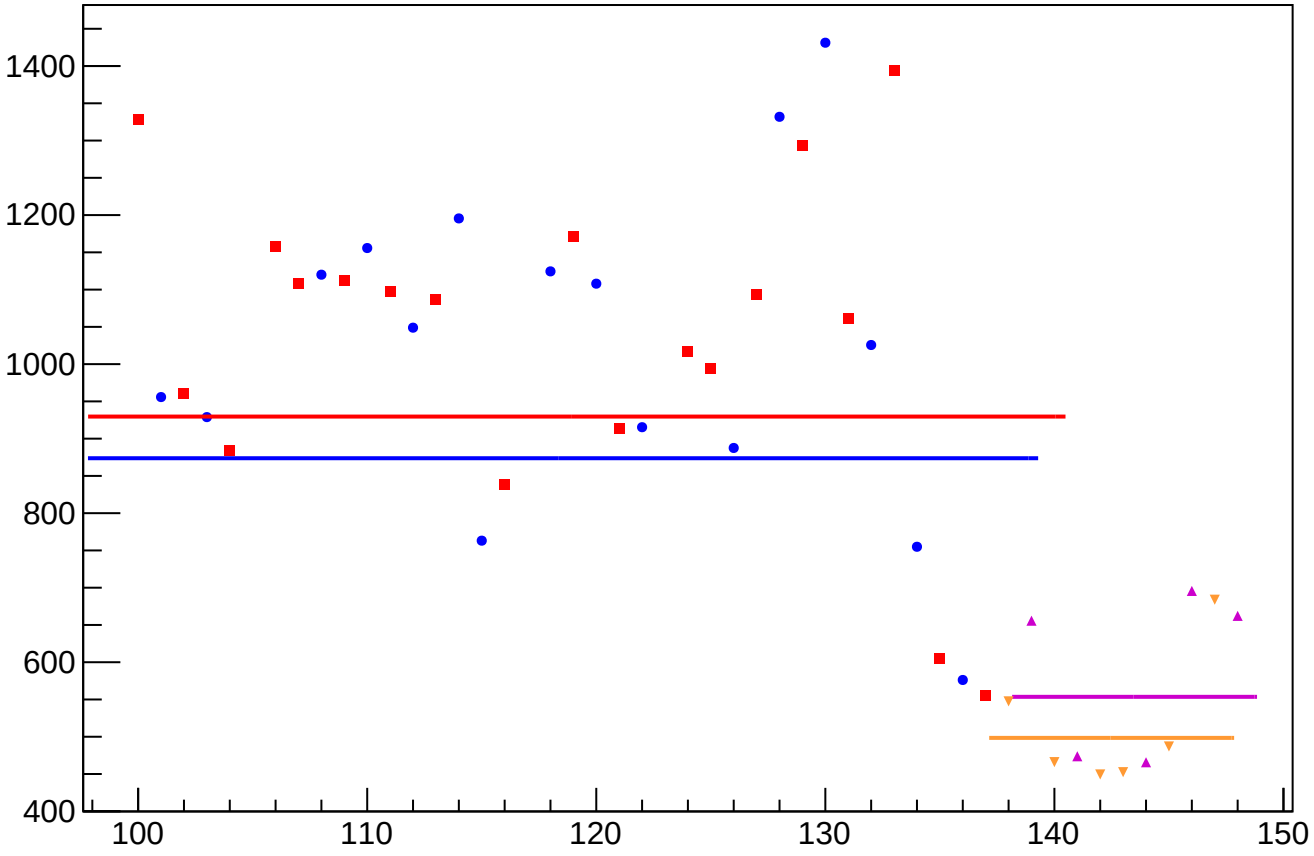
Left In: -11.808+/-269.678 χ^2/NDF:2.6/4

+ sign 397.411+/-195.096 χ^2/NDF: 28.6/21

All: 287.795+/-144.441 χ^2/NDF: 47.2/45

- sign 154.828+/-214.874 χ^2/NDF: 18.0/23

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

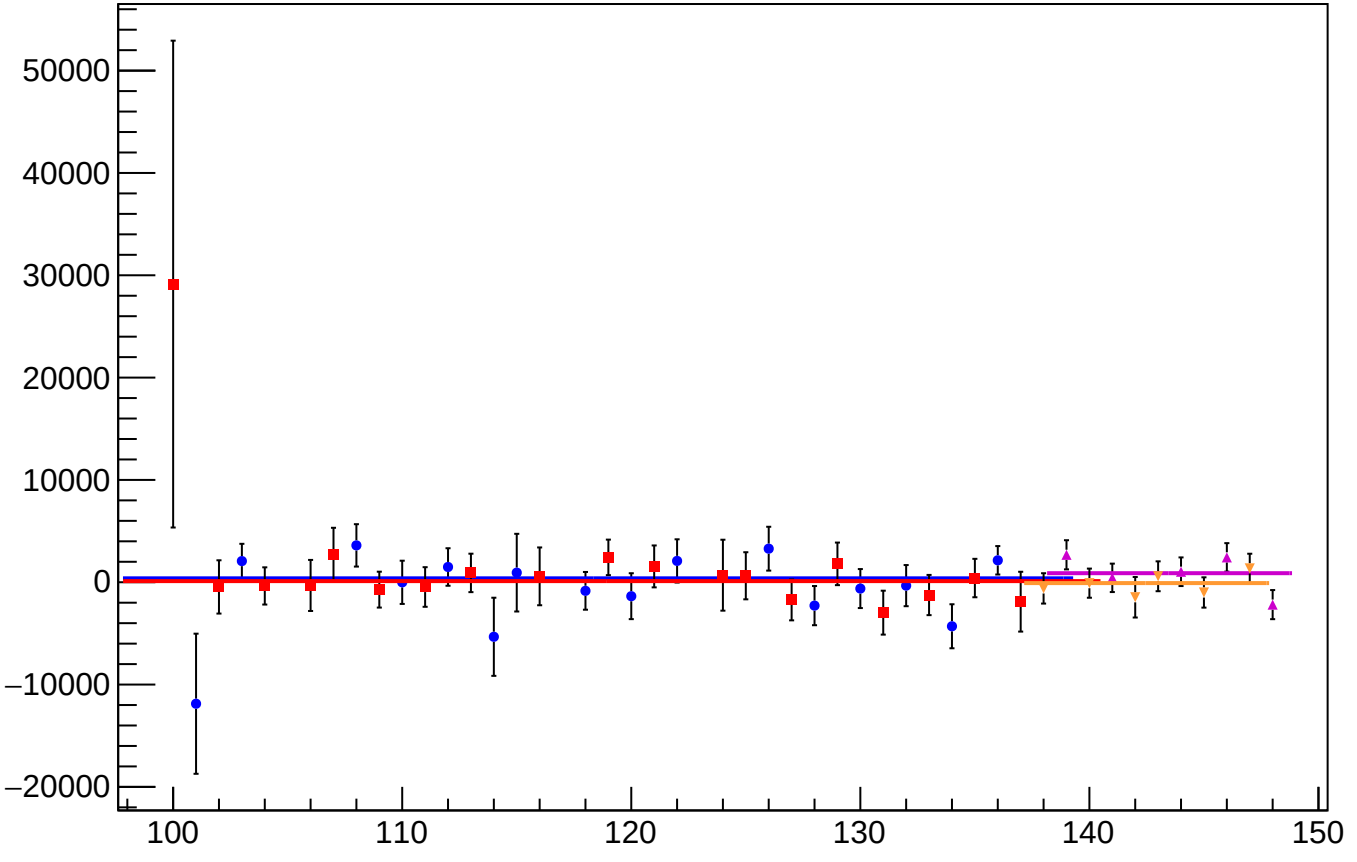
Left In: 553.562+/-0.191 χ^2/NDF:274243.2/4

+ sign 623.156+/-0.138 χ^2/NDF: 2826152.1/21

All: 653.759+/-0.102 χ^2/NDF: 5489426.8/45

- sign 690.882+/-0.152 χ^2/NDF: 2554366.8/23

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

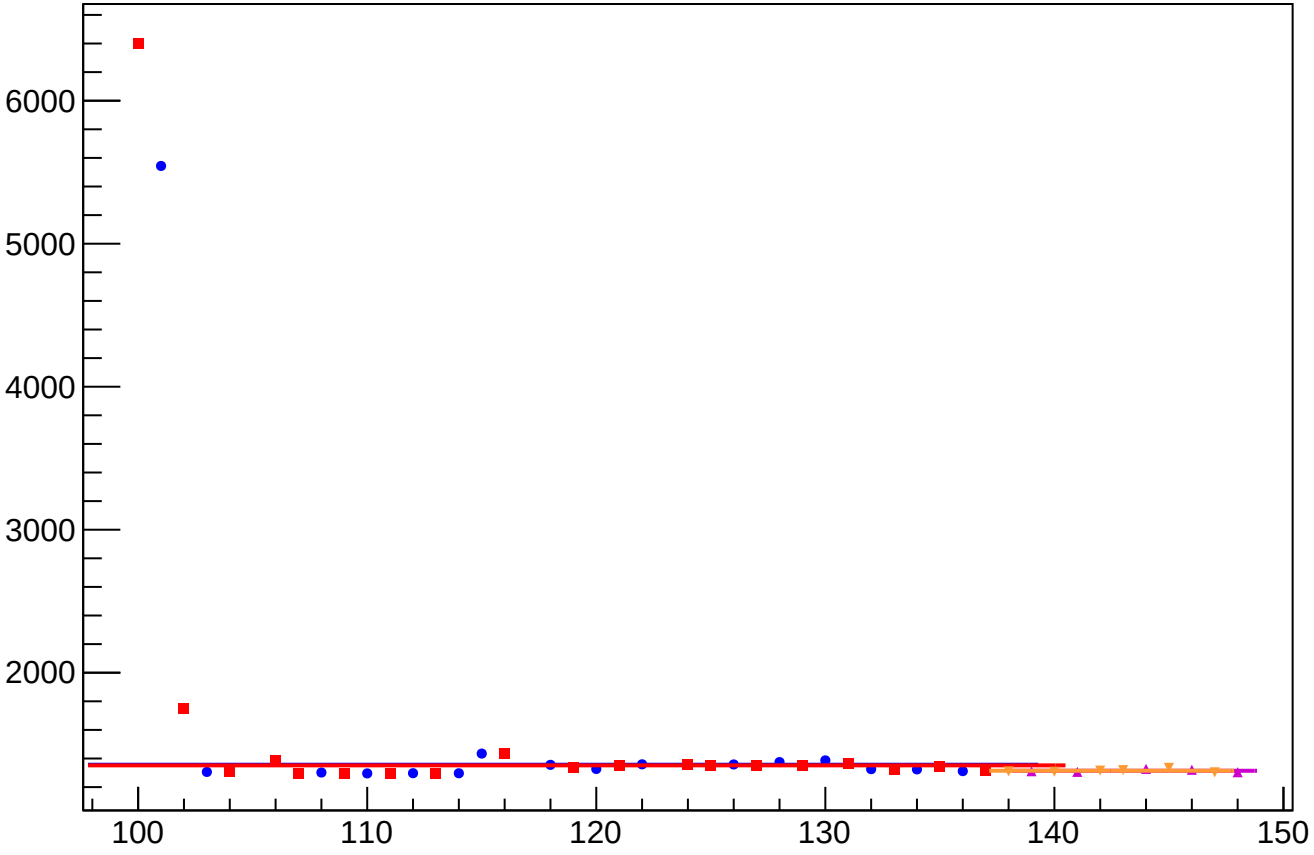
Left In: 885.382+/-628.339 χ^2/NDF:7.6/4

\+ sign 190.321+/-396.977 χ^2/NDF: 24.0/21

All: 302.802+/-279.121 χ^2/NDF: 42.7/45

\- sign 412.779+/-392.533 χ^2/NDF: 18.5/23

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

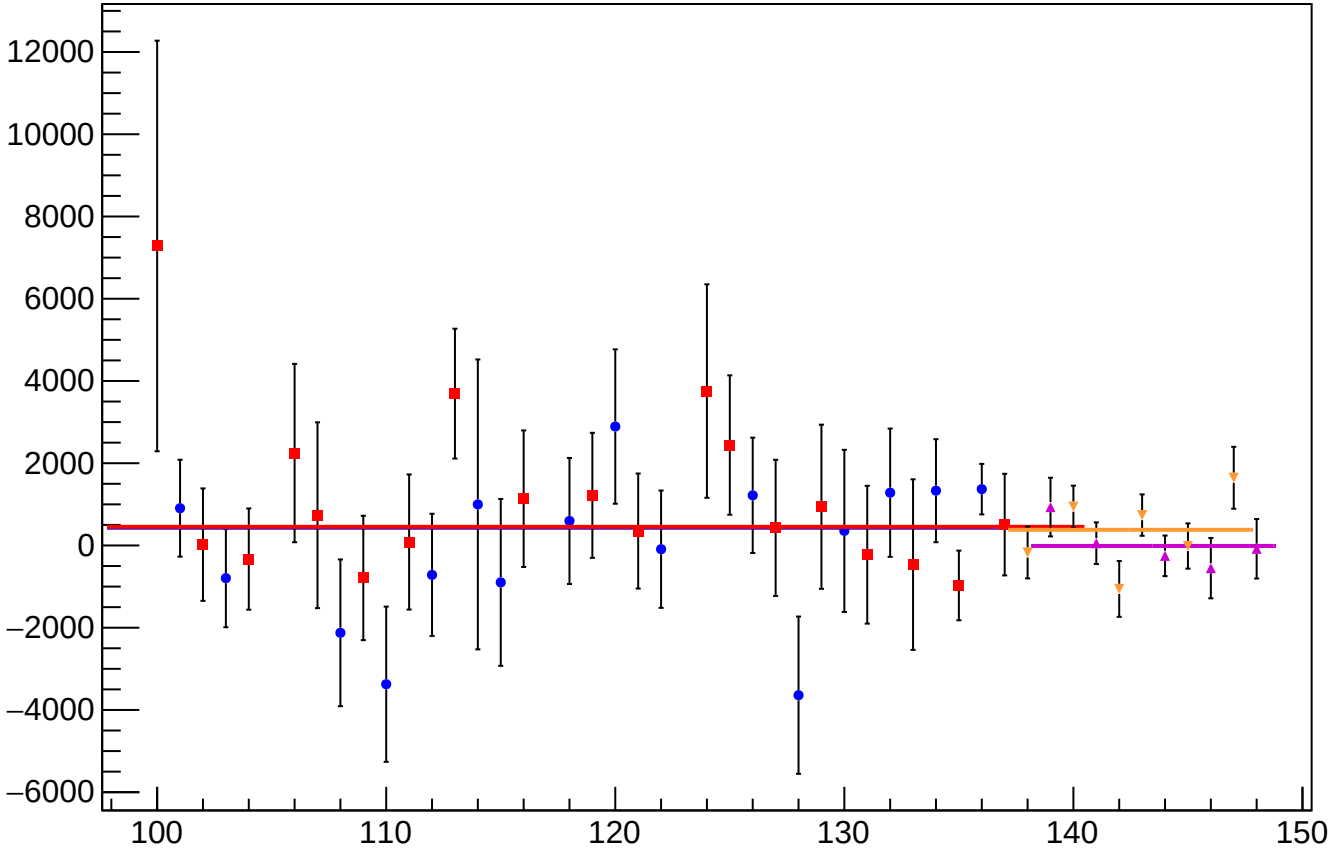
Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.0/21

All: 1338.257+/-0.197 χ^2/NDF: 918351.6/45

- sign 1337.336+/-0.278 χ^2/NDF: 152143.4/23

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

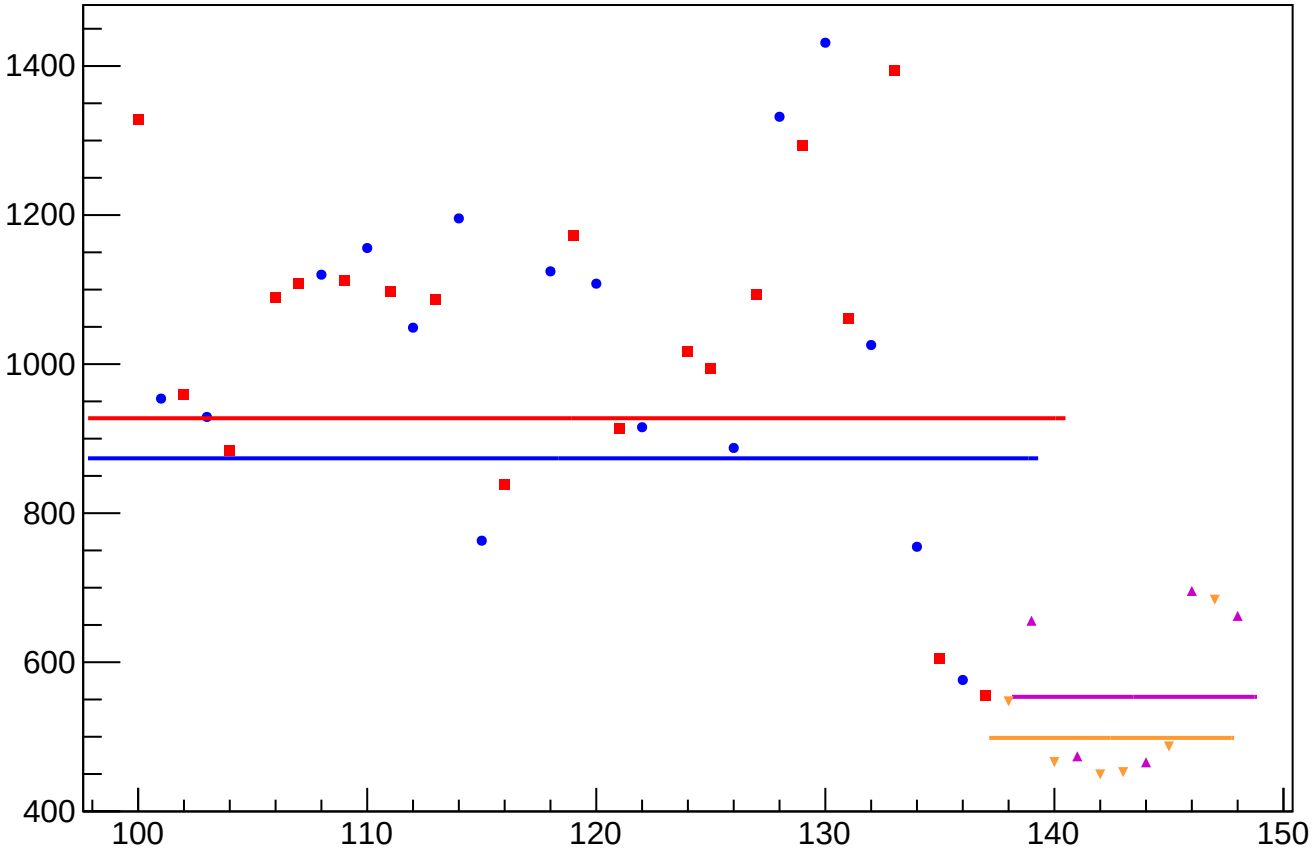
Left In: -11.802+/-269.673 χ^2/NDF:2.6/4

+ sign 397.913+/-195.086 χ^2/NDF: 28.6/21

All: 289.474+/-144.437 χ^2/NDF: 47.6/45

- sign 157.923+/-214.873 χ^2/NDF: 18.3/23

asym_usr_atr1_dd_cor_correction_rms vs Slug



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

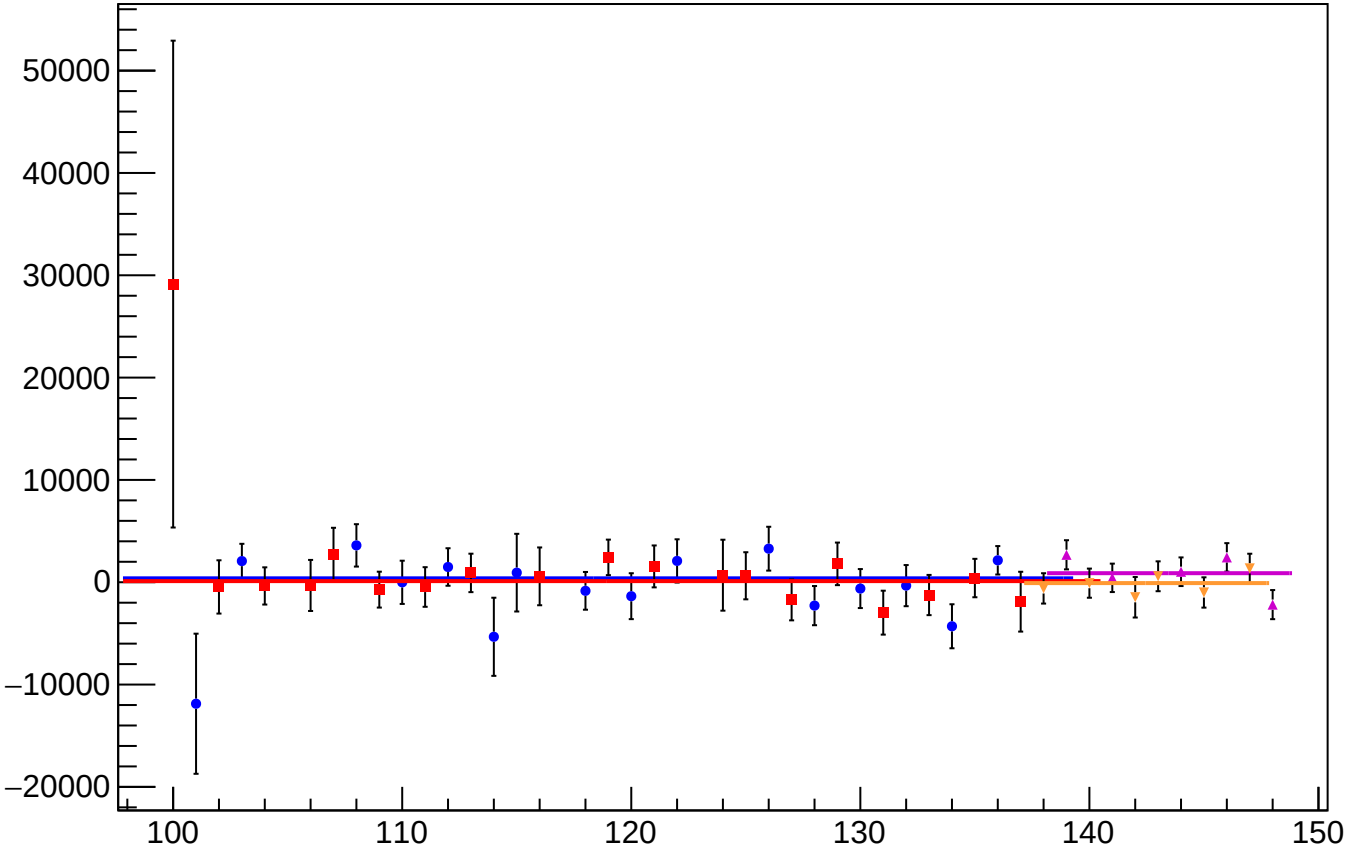
Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

\+ sign 623.146+/-0.138 χ^2/NDF: 2824913.4/21

All: 653.379+/-0.102 χ^2/NDF: 5456333.7/45

\- sign 690.056+/-0.152 χ^2/NDF: 2525115.5/23

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

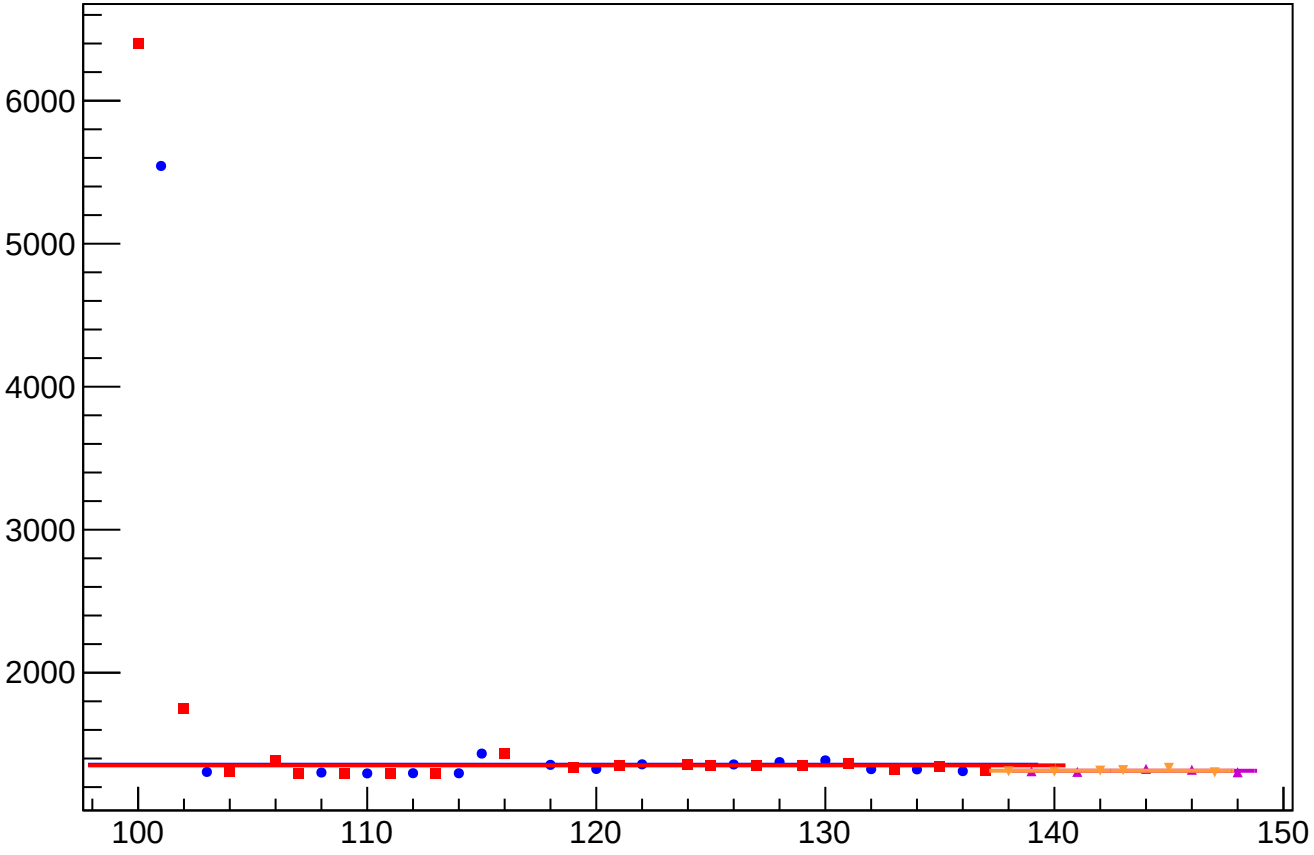
Left In: 885.382+/-628.339 χ^2/NDF:7.6/4

+ sign 190.321+/-396.977 χ^2/NDF: 24.0/21

All: 302.802+/-279.121 χ^2/NDF: 42.7/45

- sign 412.779+/-392.533 χ^2/NDF: 18.5/23

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

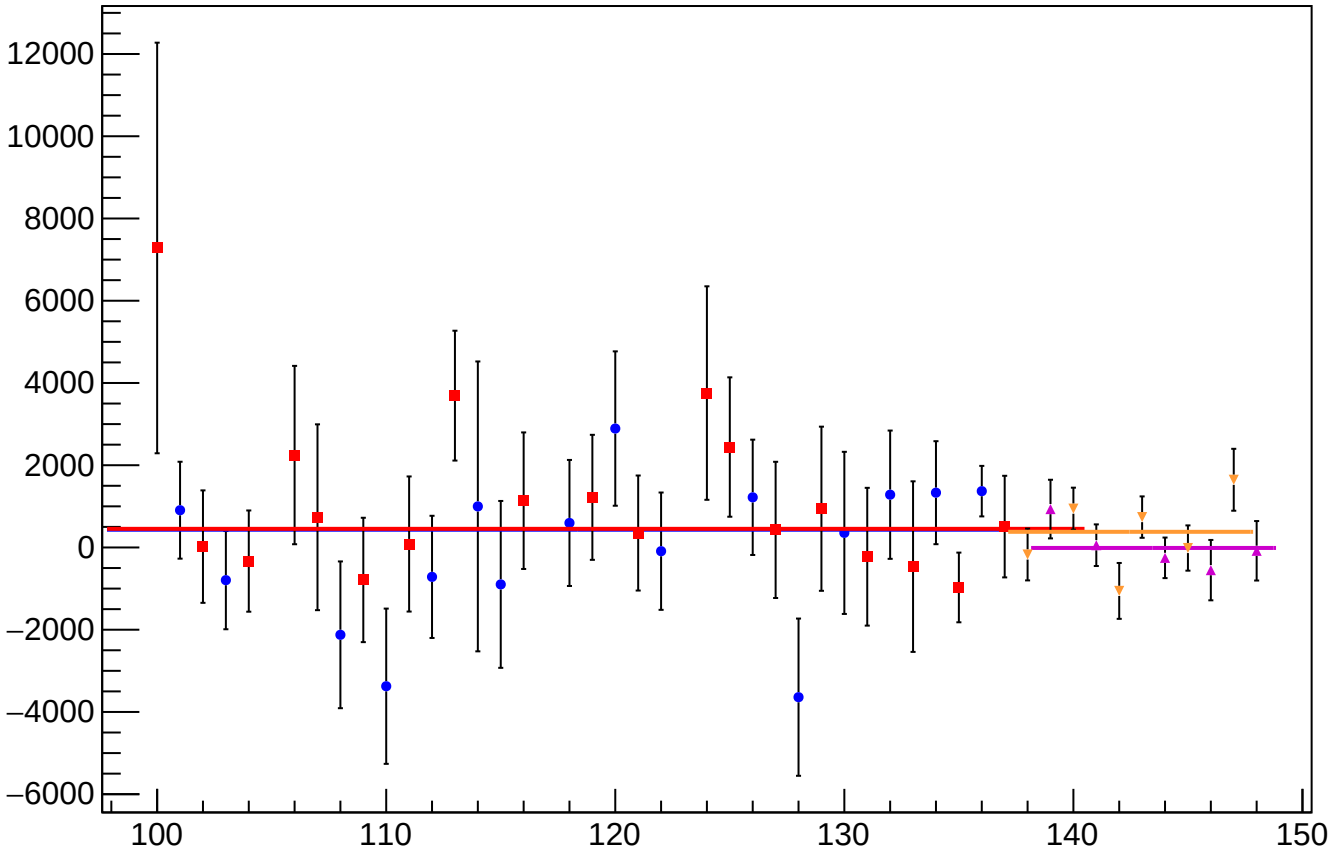
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1339.199+/-0.281 χ^2/NDF: 766186.0/21

All: 1338.257+/-0.197 χ^2/NDF: 918351.6/45

- sign 1337.336+/-0.278 χ^2/NDF: 152143.4/23



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

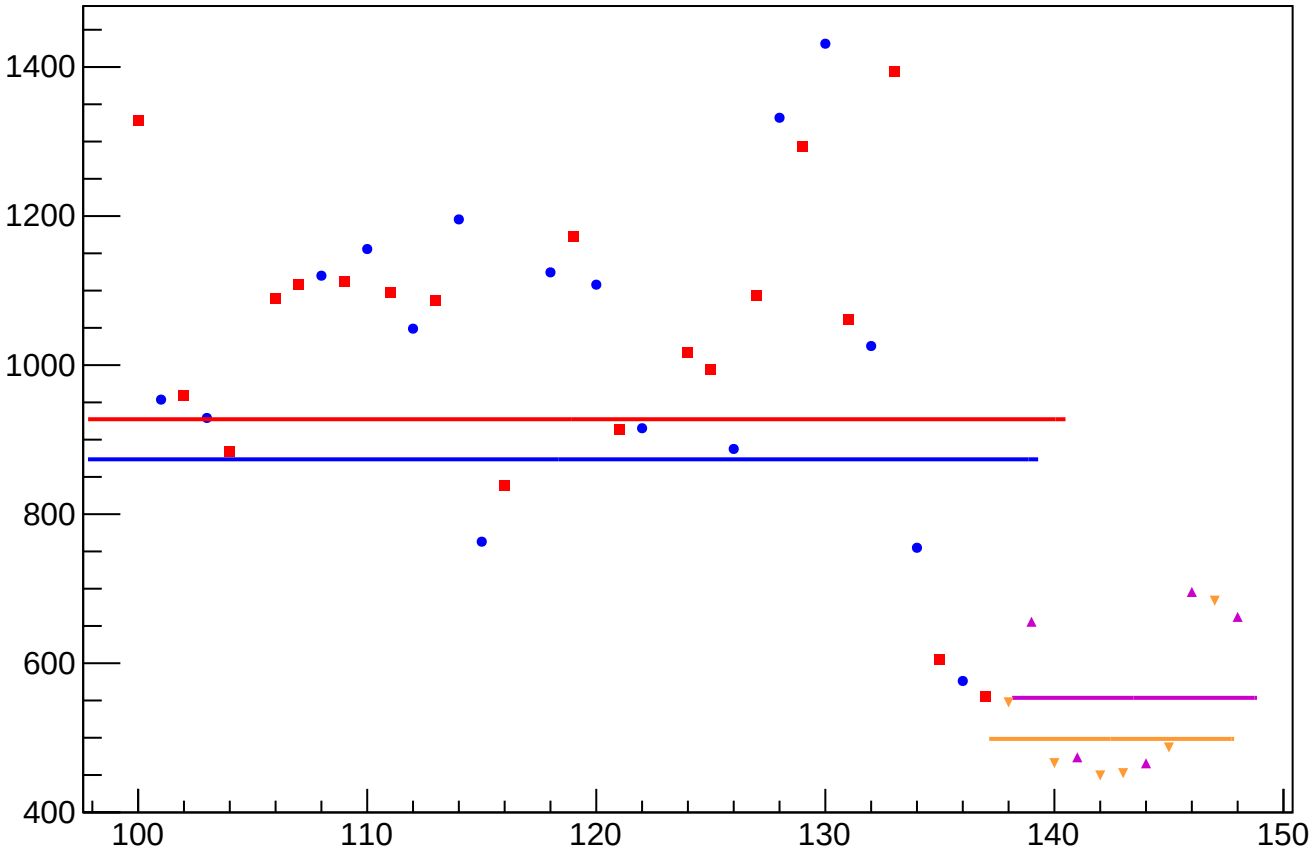
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -11.802+/-269.673 χ^2/NDF:2.6/4

+ sign 397.913+/-195.086 χ^2/NDF: 28.6/21

All: 289.474+/-144.437 χ^2/NDF: 47.6/45

- sign 157.923+/-214.873 χ^2/NDF: 18.3/23



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

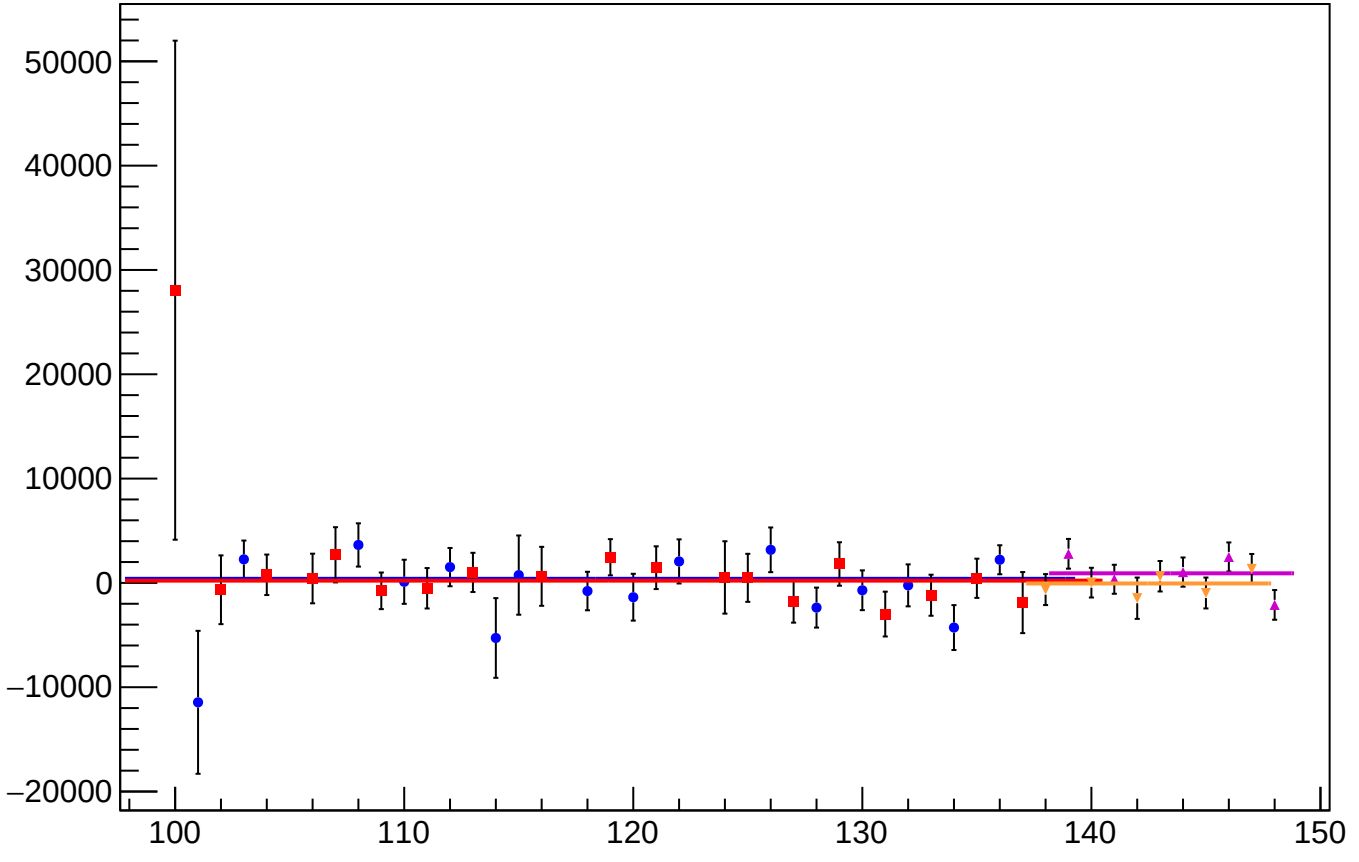
Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

+ sign 623.146+/-0.138 χ^2/NDF: 2824913.4/21

All: 653.379+/-0.102 χ^2/NDF: 5456333.7/45

- sign 690.056+/-0.152 χ^2/NDF: 2525115.5/23

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

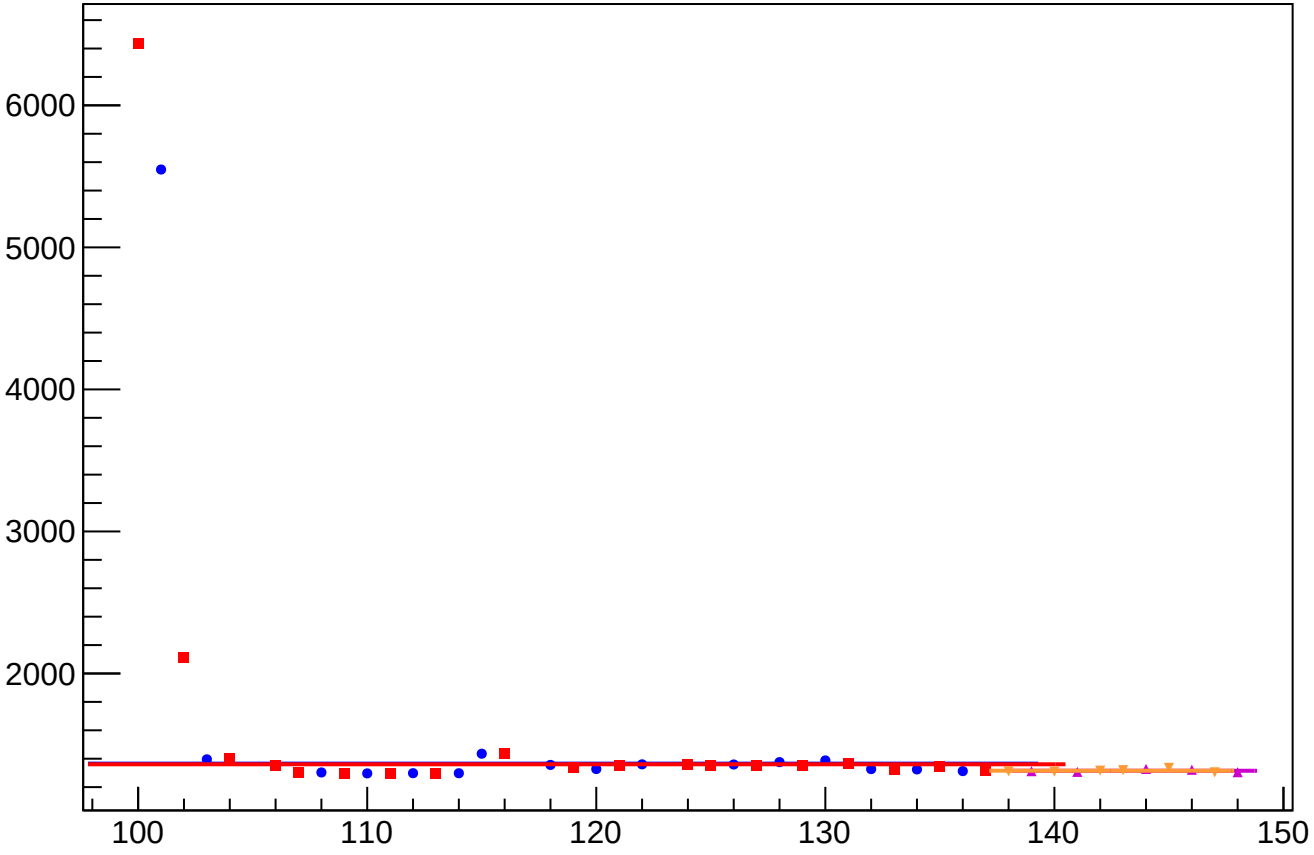
Left In: 918.165+/-628.750 χ^2/NDF:7.7/4

+ sign 205.577+/-398.599 χ^2/NDF: 23.9/21

All: 351.360+/-280.610 χ^2/NDF: 42.6/45

- sign 494.601+/-395.110 χ^2/NDF: 18.4/23

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

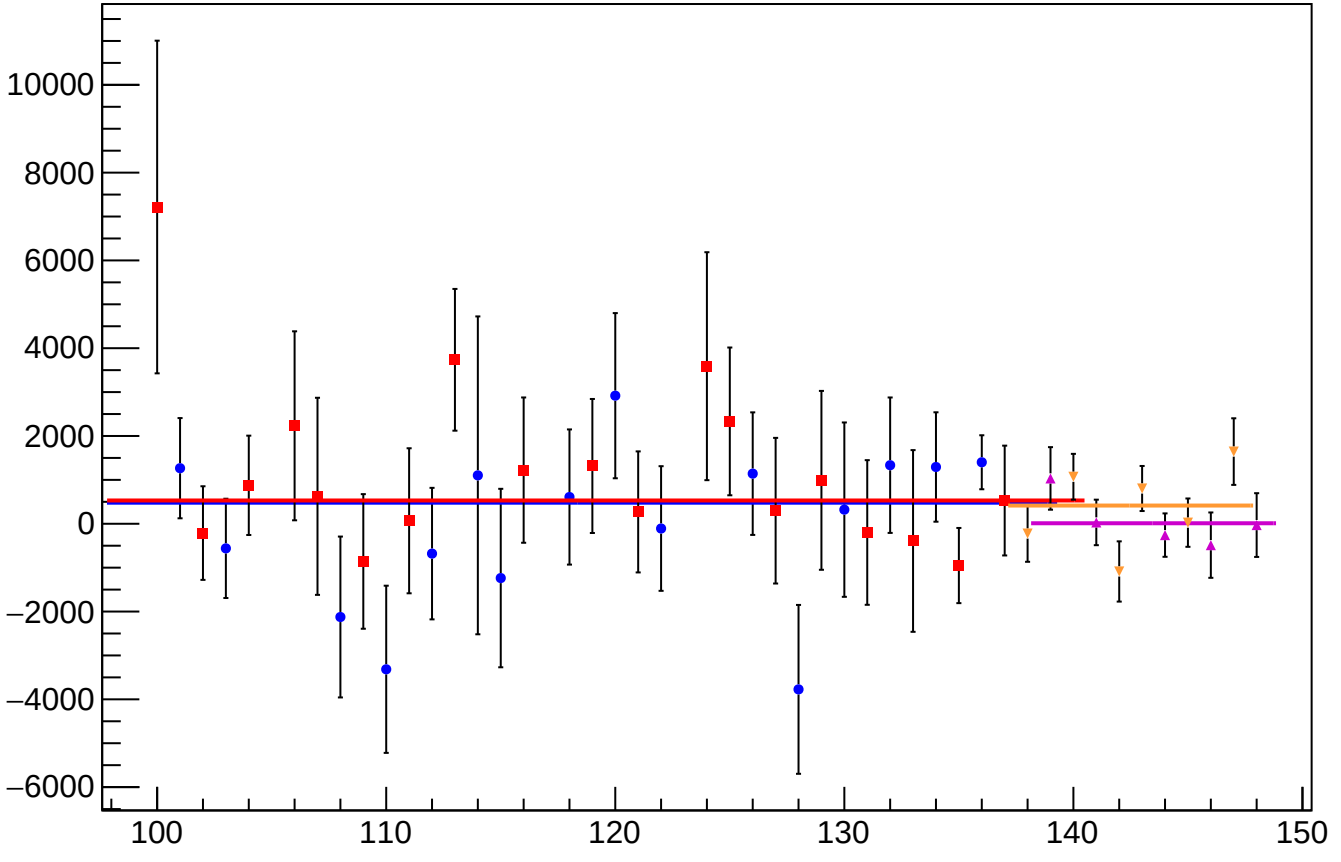
Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

+ sign 1344.654+/-0.282 χ^2/NDF: 767066.0/21

All: 1343.697+/-0.198 χ^2/NDF: 979174.4/45

- sign 1342.757+/-0.279 χ^2/NDF: 212085.6/23

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

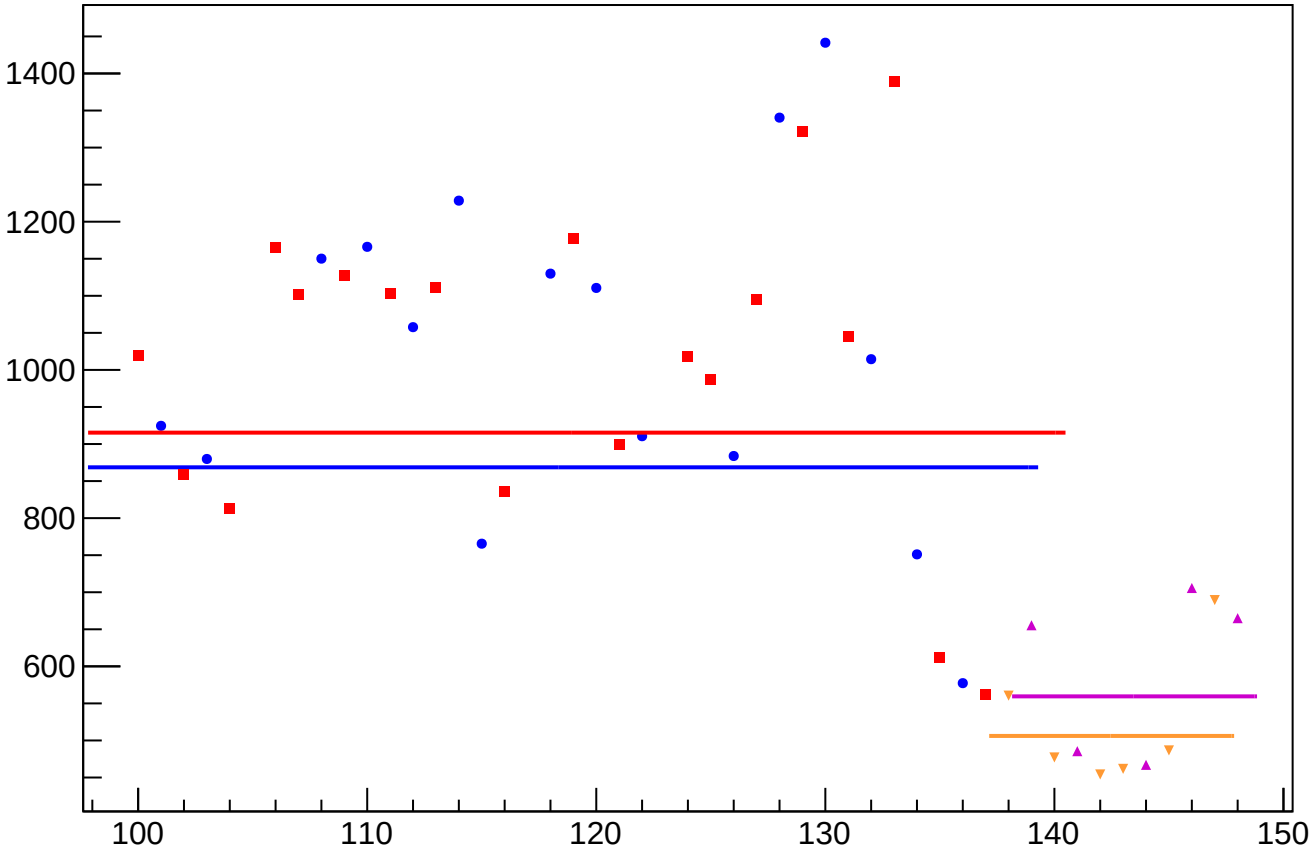
Left In: 11.626+/-272.354 χ^2/NDF:2.8/4

\+ sign 437.352+/-196.610 χ^2/NDF: 29.7/21

All: 333.335+/-144.792 χ^2/NDF: 50.1/45

\- sign 210.068+/-214.032 χ^2/NDF: 19.8/23

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

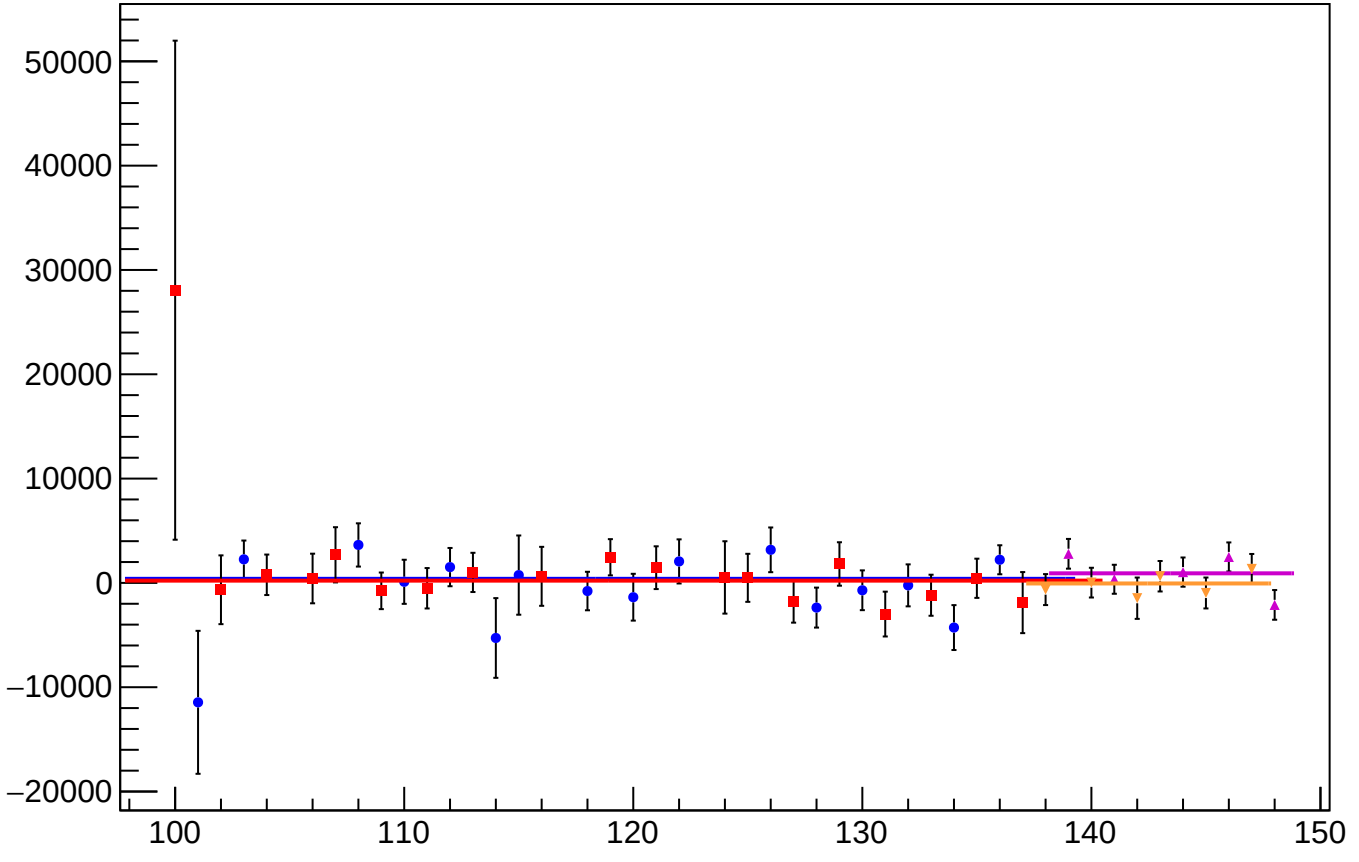
Left In: 559.497+/-0.193 χ^2/NDF:266189.2/4

+ sign 629.831+/-0.139 χ^2/NDF: 2715798.6/21

All: 659.924+/-0.102 χ^2/NDF: 5249065.2/45

- sign 695.587+/-0.151 χ^2/NDF: 2430884.9/23

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

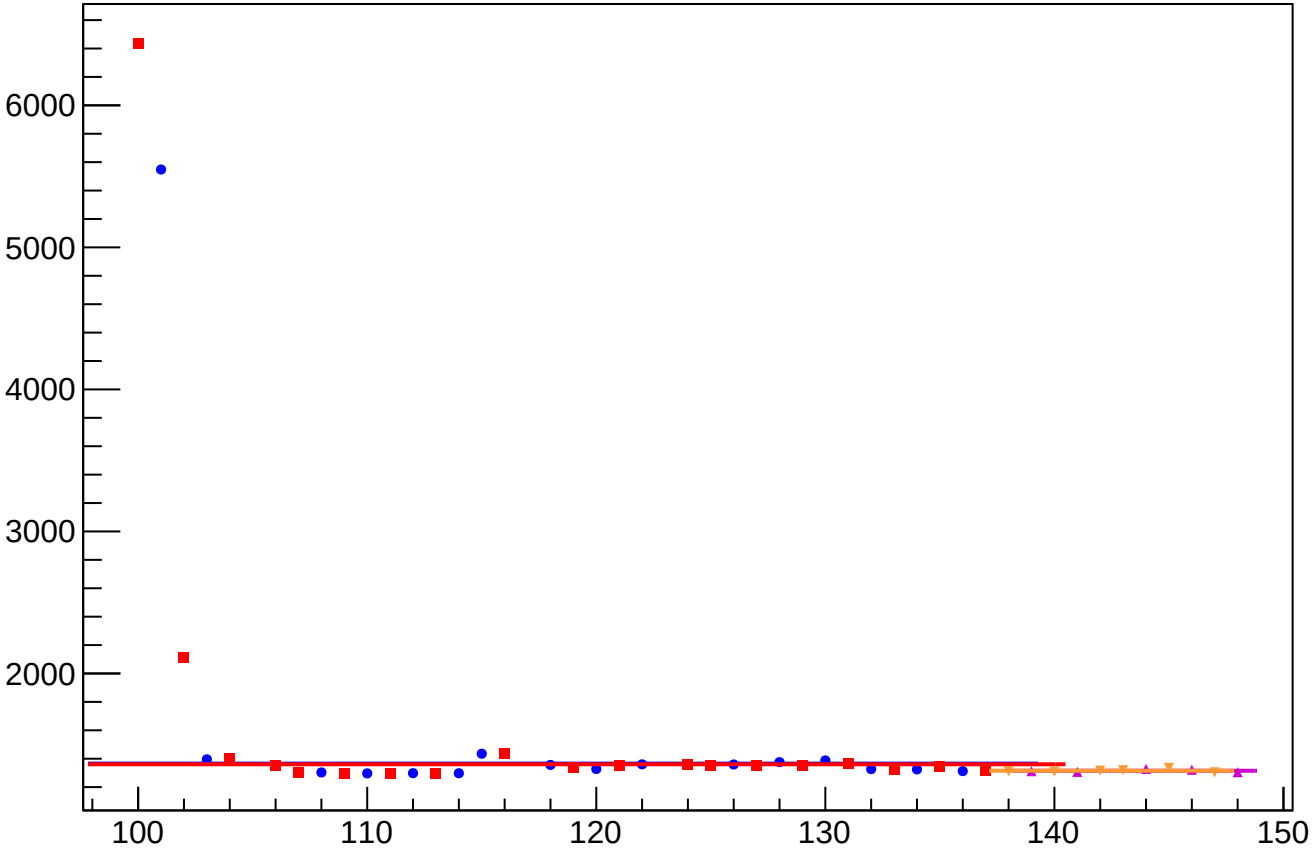
Left In: 918.166+/-628.750 χ^2/NDF:7.7/4

+ sign 205.577+/-398.599 χ^2/NDF: 23.9/21

All: 351.360+/-280.610 χ^2/NDF: 42.6/45

- sign 494.601+/-395.110 χ^2/NDF: 18.4/23

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

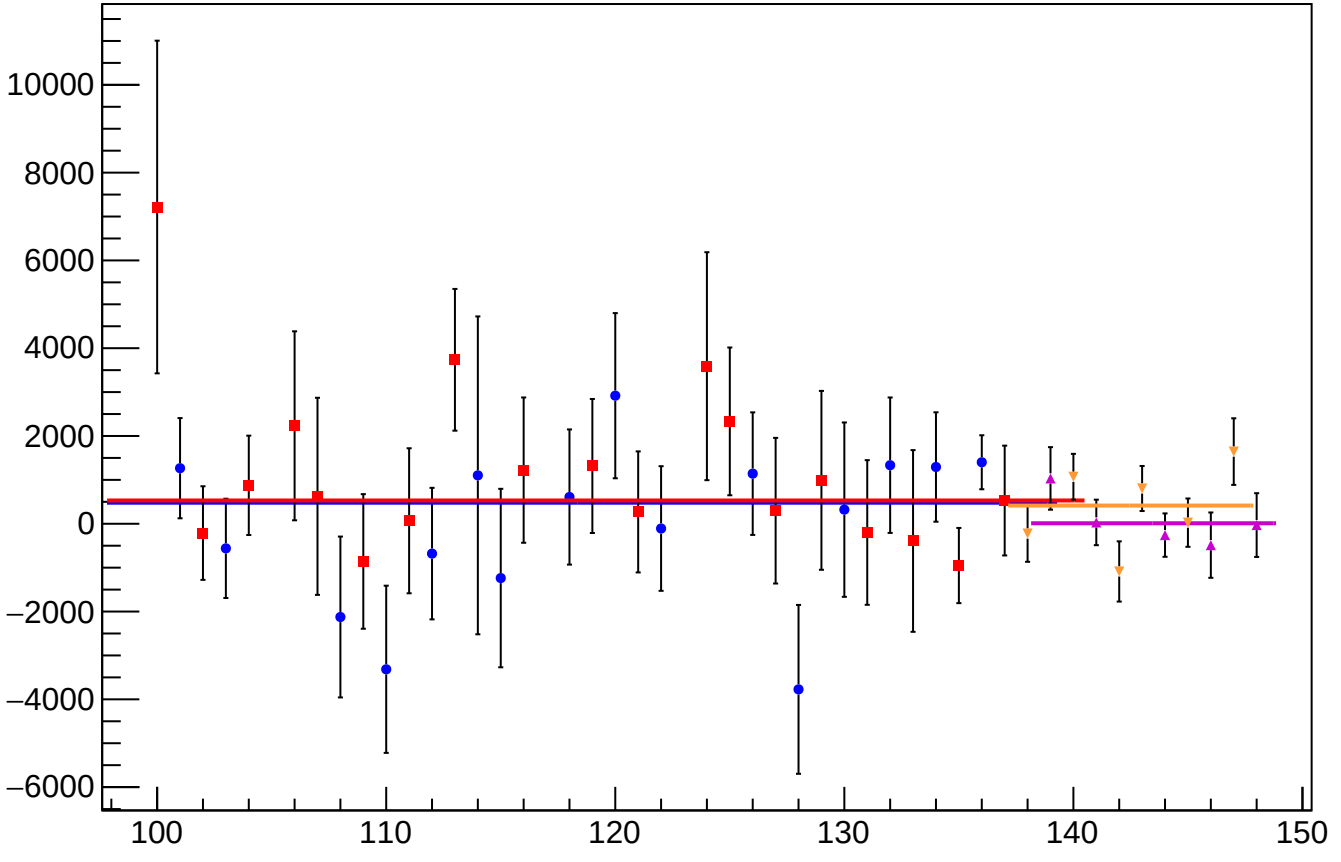
Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

+ sign 1344.654+/-0.282 χ^2/NDF: 767065.9/21

All: 1343.697+/-0.198 χ^2/NDF: 979174.4/45

- sign 1342.757+/-0.279 χ^2/NDF: 212085.6/23

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

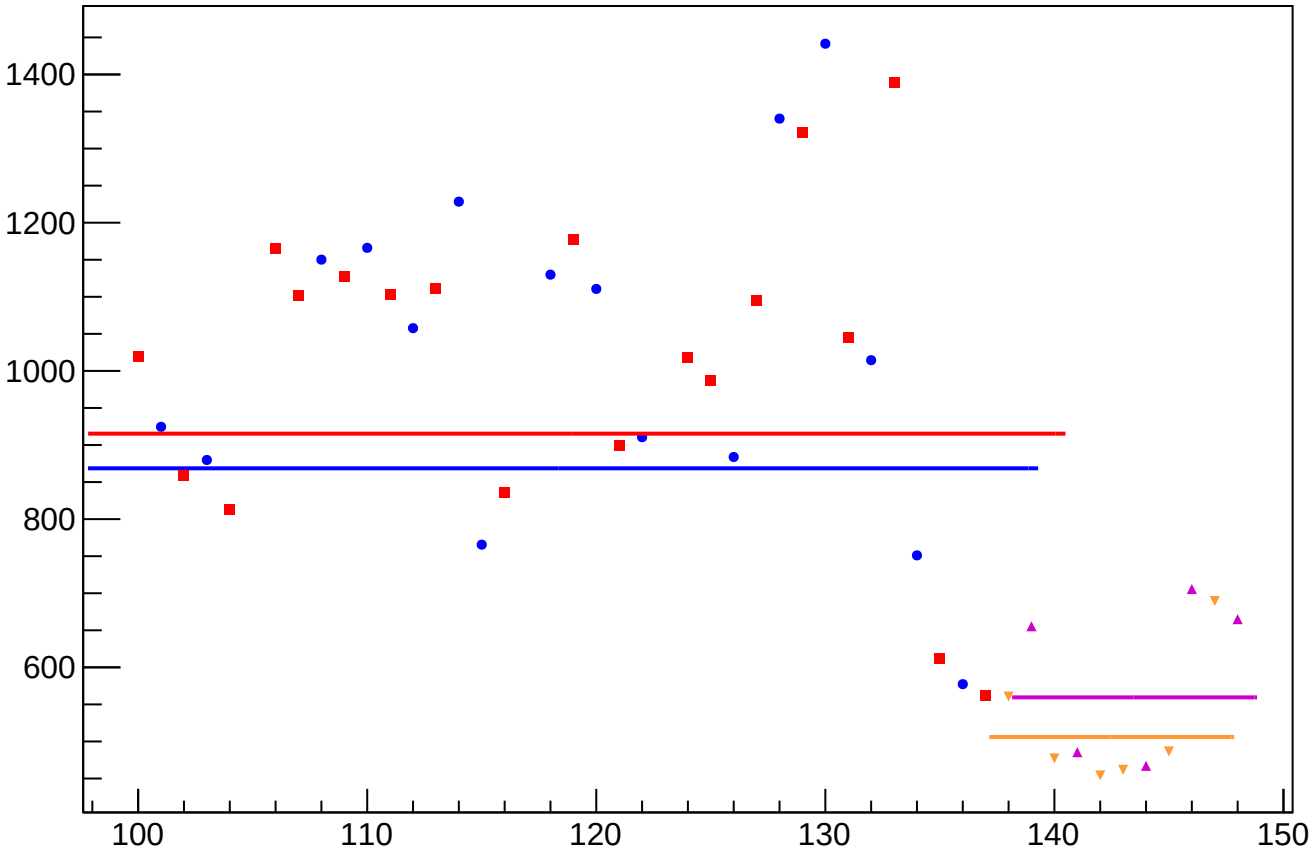
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 11.626+/-272.354 χ^2/NDF:2.8/4

\+ sign 437.352+/-196.610 χ^2/NDF: 29.7/21

All: 333.336+/-144.792 χ^2/NDF: 50.1/45

\- sign 210.068+/-214.032 χ^2/NDF: 19.8/23



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

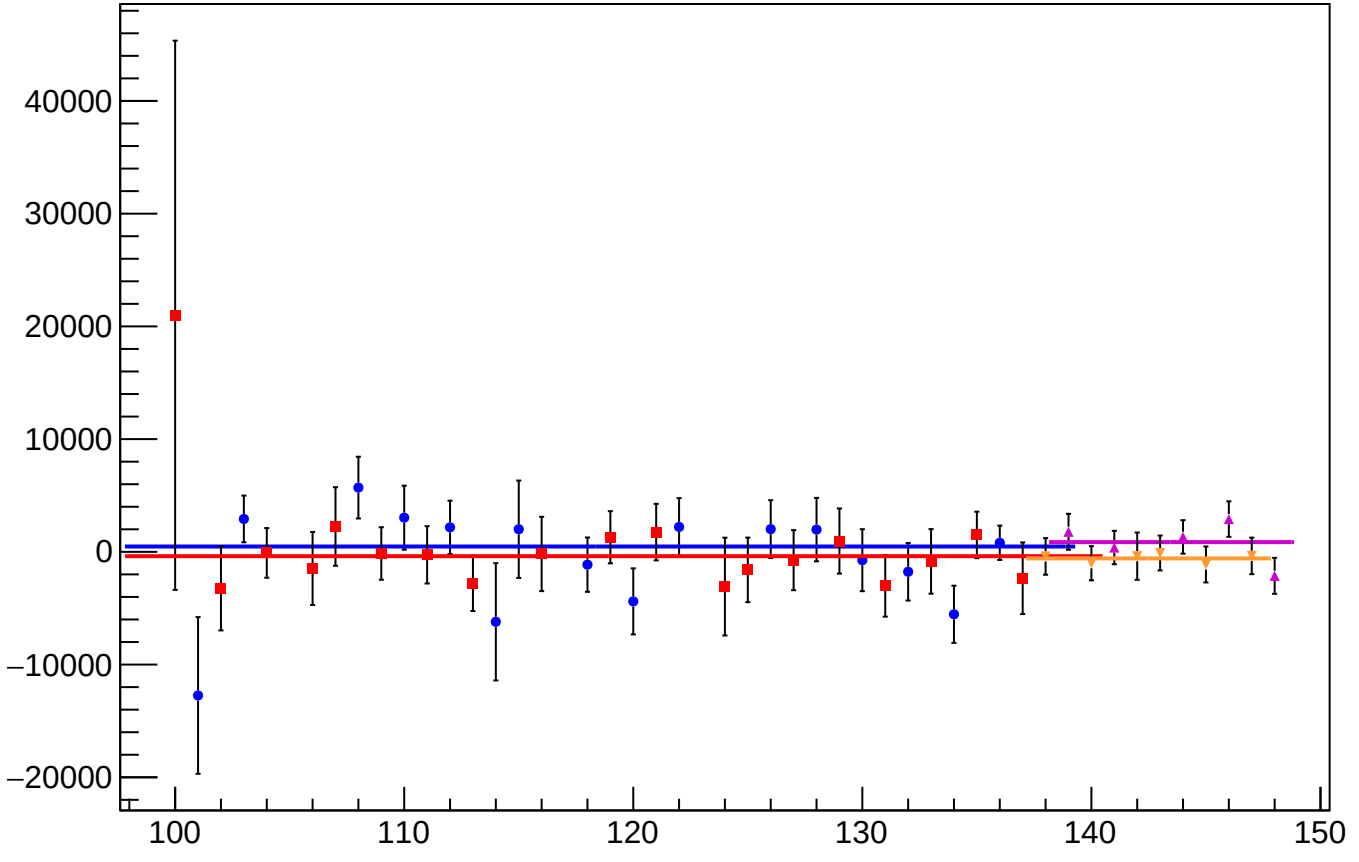
Left In: 559.497+/-0.193 χ^2/NDF:266190.5/4

+ sign 629.830+/-0.139 χ^2/NDF: 2715788.9/21

All: 659.923+/-0.102 χ^2/NDF: 5249045.2/45

- sign 695.587+/-0.151 χ^2/NDF: 2430871.7/23

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

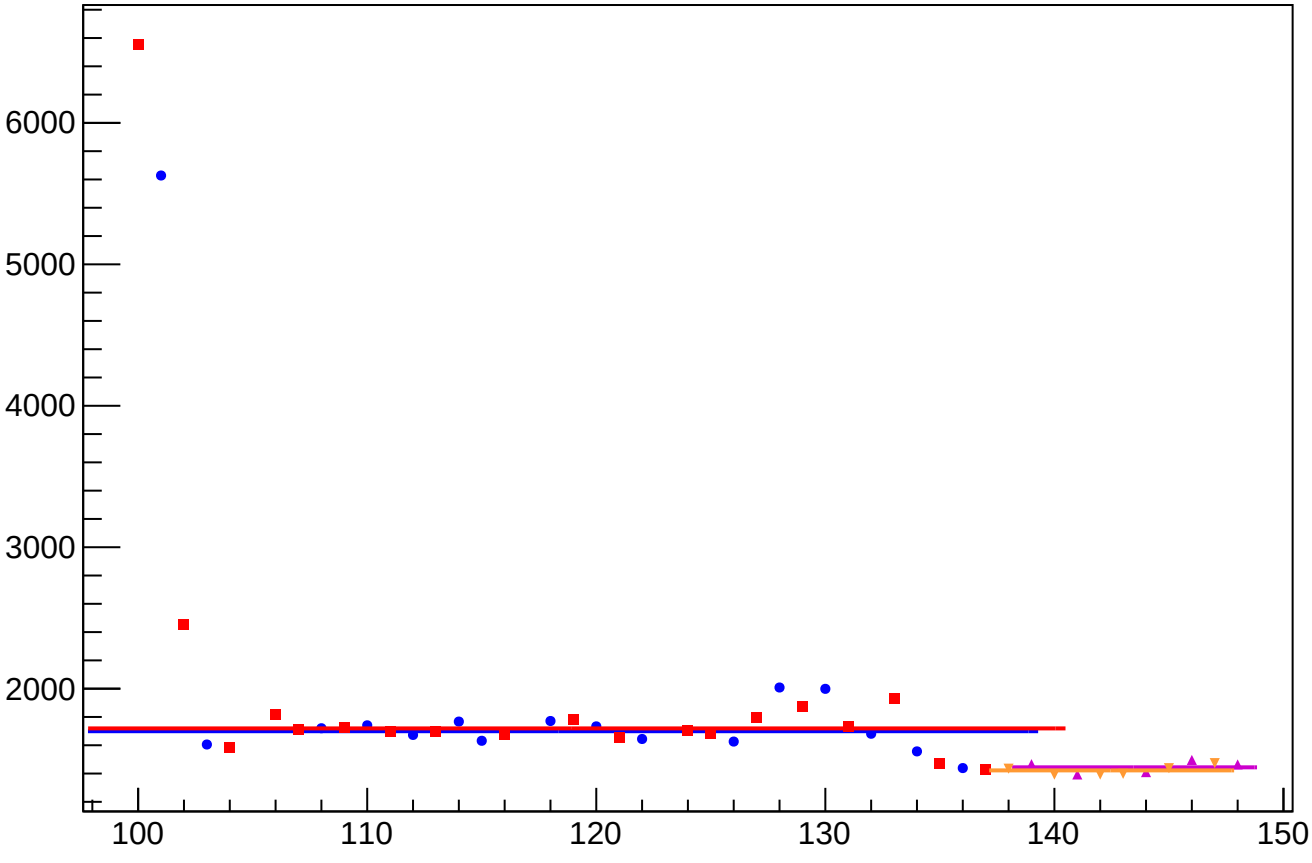
Left In: 863.874+/-690.585 χ^2/NDF:5.7/4

+ sign -38.018+/-465.965 χ^2/NDF: 24.3/21

All: 76.978+/-330.974 χ^2/NDF: 39.2/45

- sign 194.074+/-470.199 χ^2/NDF: 14.7/23

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

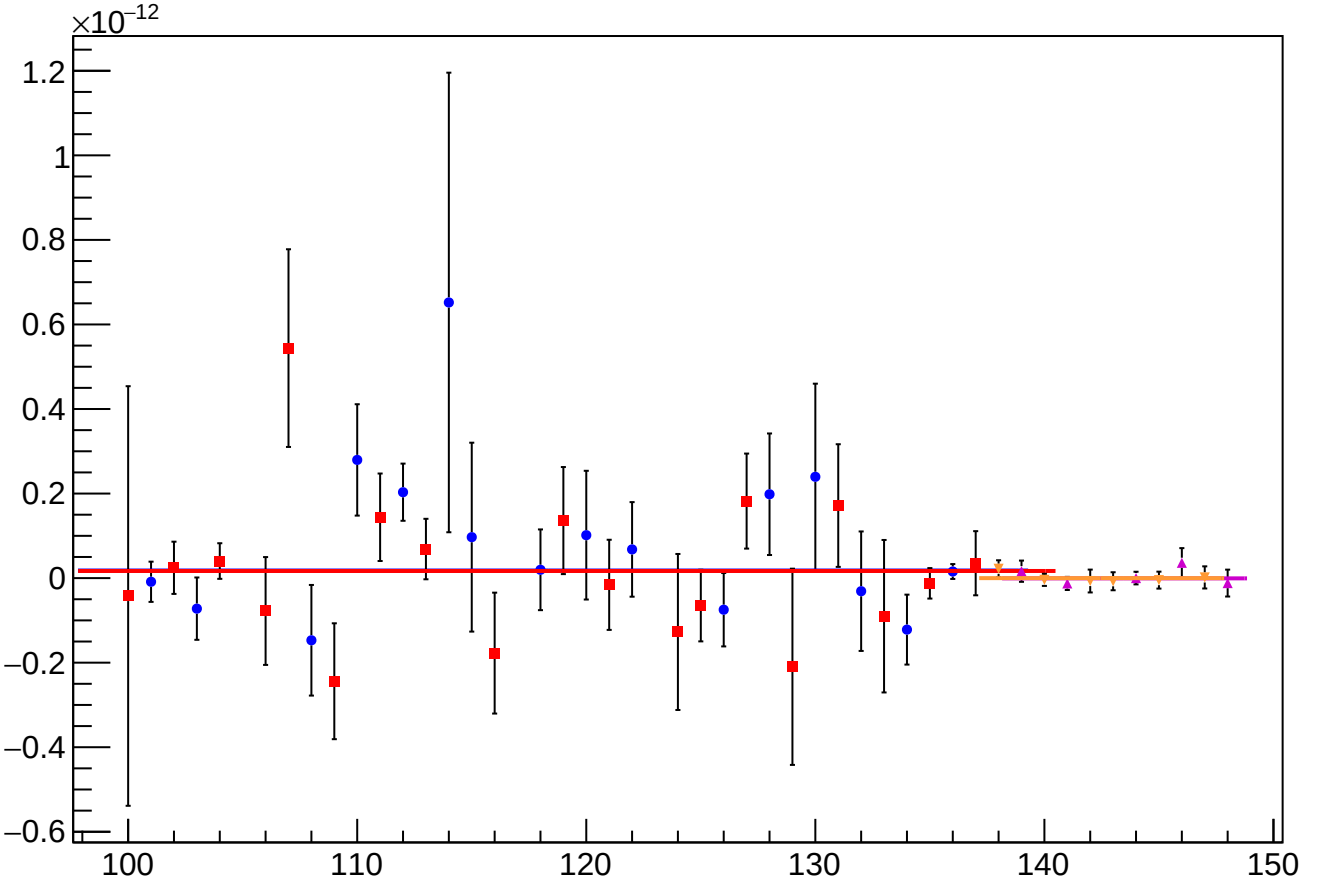
Left In: 1443.921+/-0.488 χ^2/NDF:6289.3/4

+ sign 1565.005+/-0.329 χ^2/NDF: 942646.1/21

All: 1578.149+/-0.234 χ^2/NDF: 1356246.3/45

- sign 1591.533+/-0.332 χ^2/NDF: 410388.3/23

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

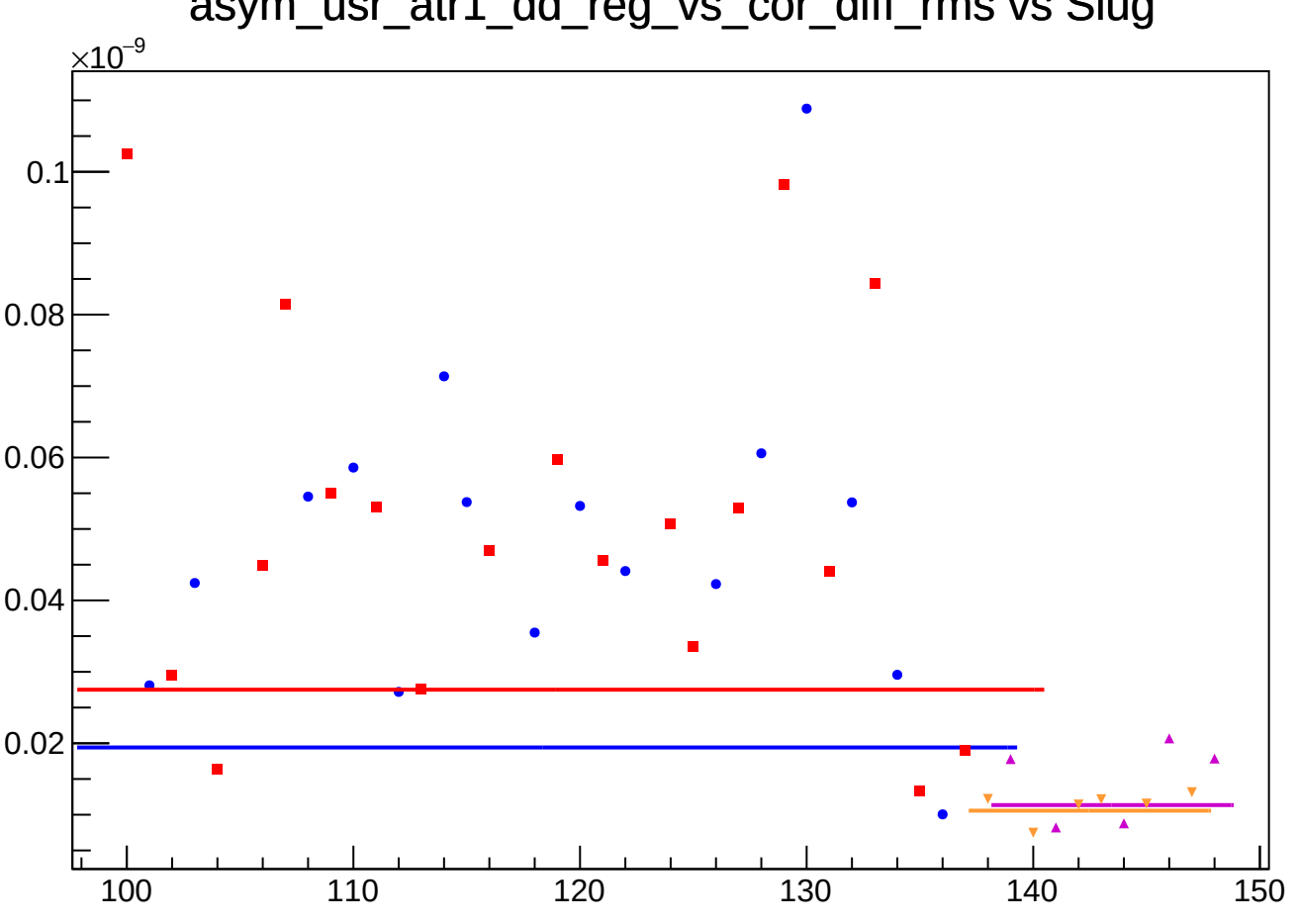
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/21

All: 0.000+/-0.000 χ^2/NDF: 50.6/45

- sign 0.000+/-0.000 χ^2/NDF: 24.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:143671.5/5

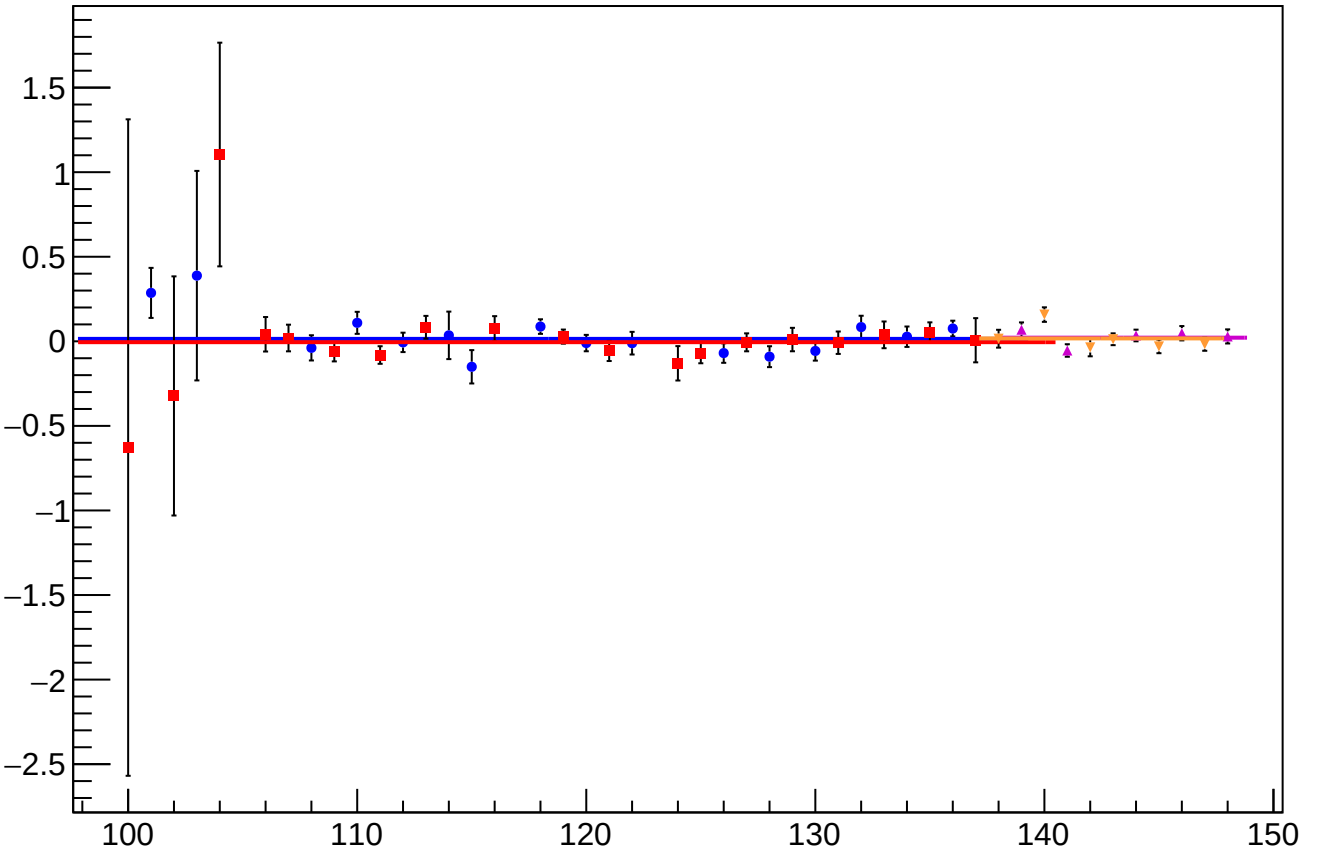
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:499666.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 2989690.7/21

All: 0.000+/-0.000 χ^2/NDF: 6347095.6/45

- sign 0.000+/-0.000 χ^2/NDF: 3314003.6/23



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

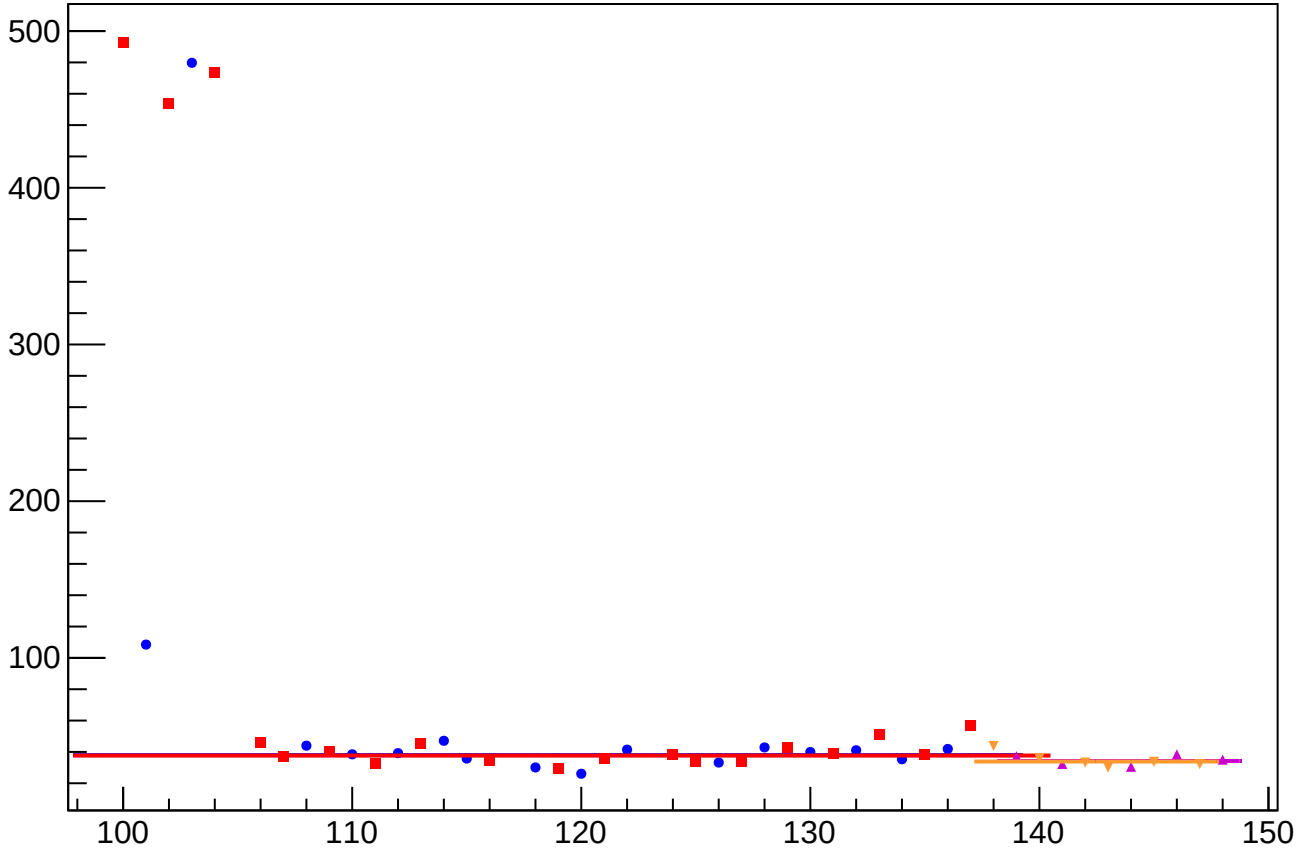
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.3/45

- sign 0.007+/-0.012 χ^2/NDF: 22.1/23

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

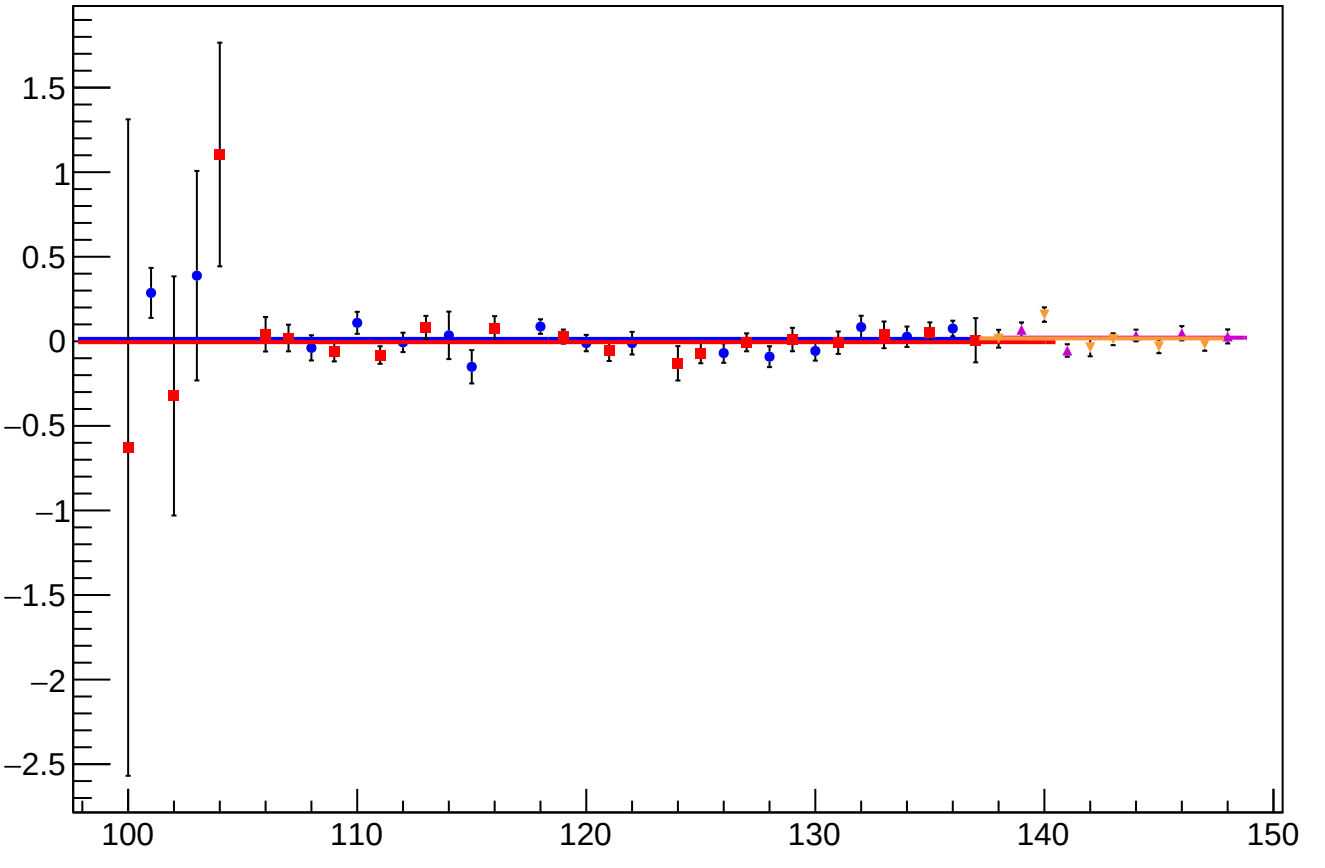
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

\+ sign 36.062+/-0.008 χ^2/NDF: 1903253.6/21

All: 36.086+/-0.006 χ^2/NDF: 3949356.9/45

\- sign 36.110+/-0.008 χ^2/NDF: 2046086.6/23



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

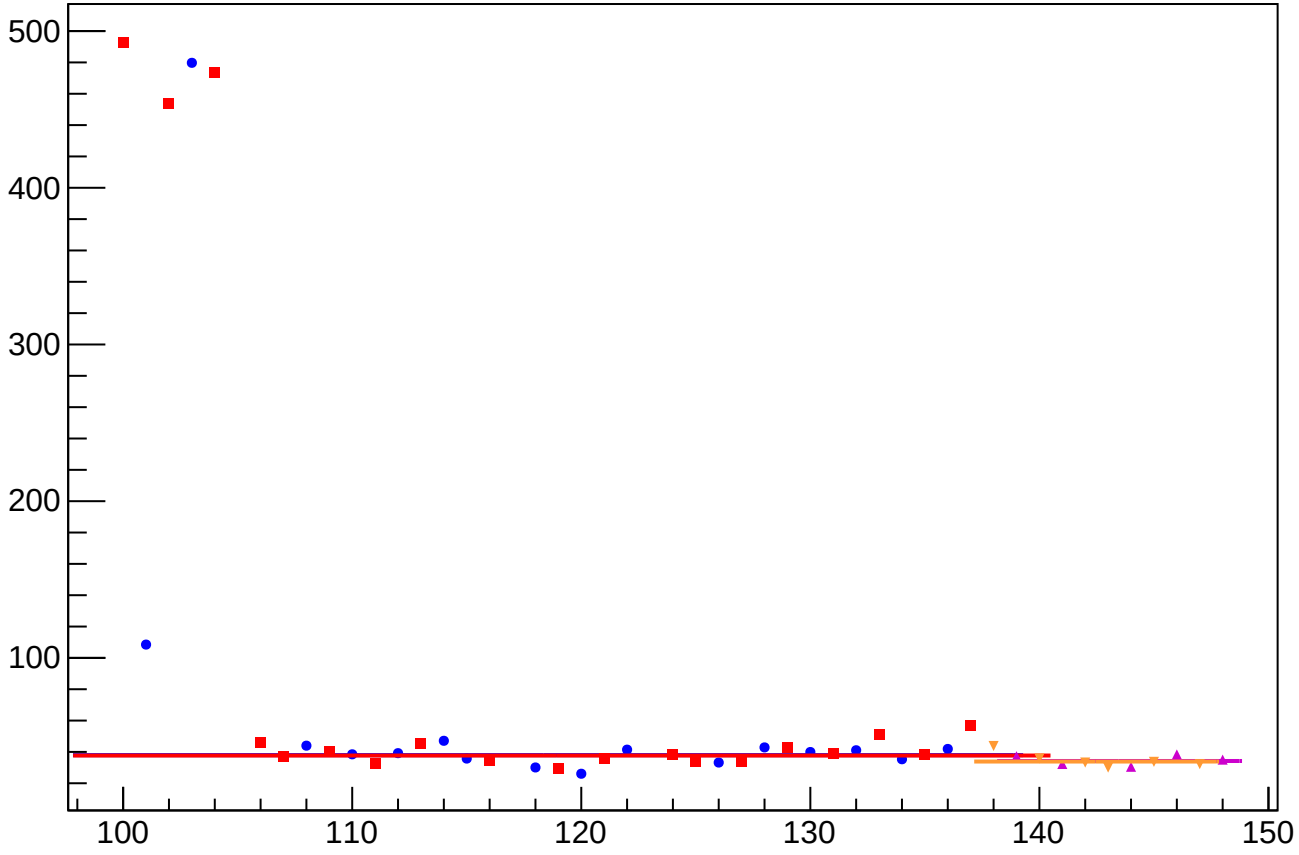
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.3/45

- sign 0.007+/-0.012 χ^2/NDF: 22.1/23

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

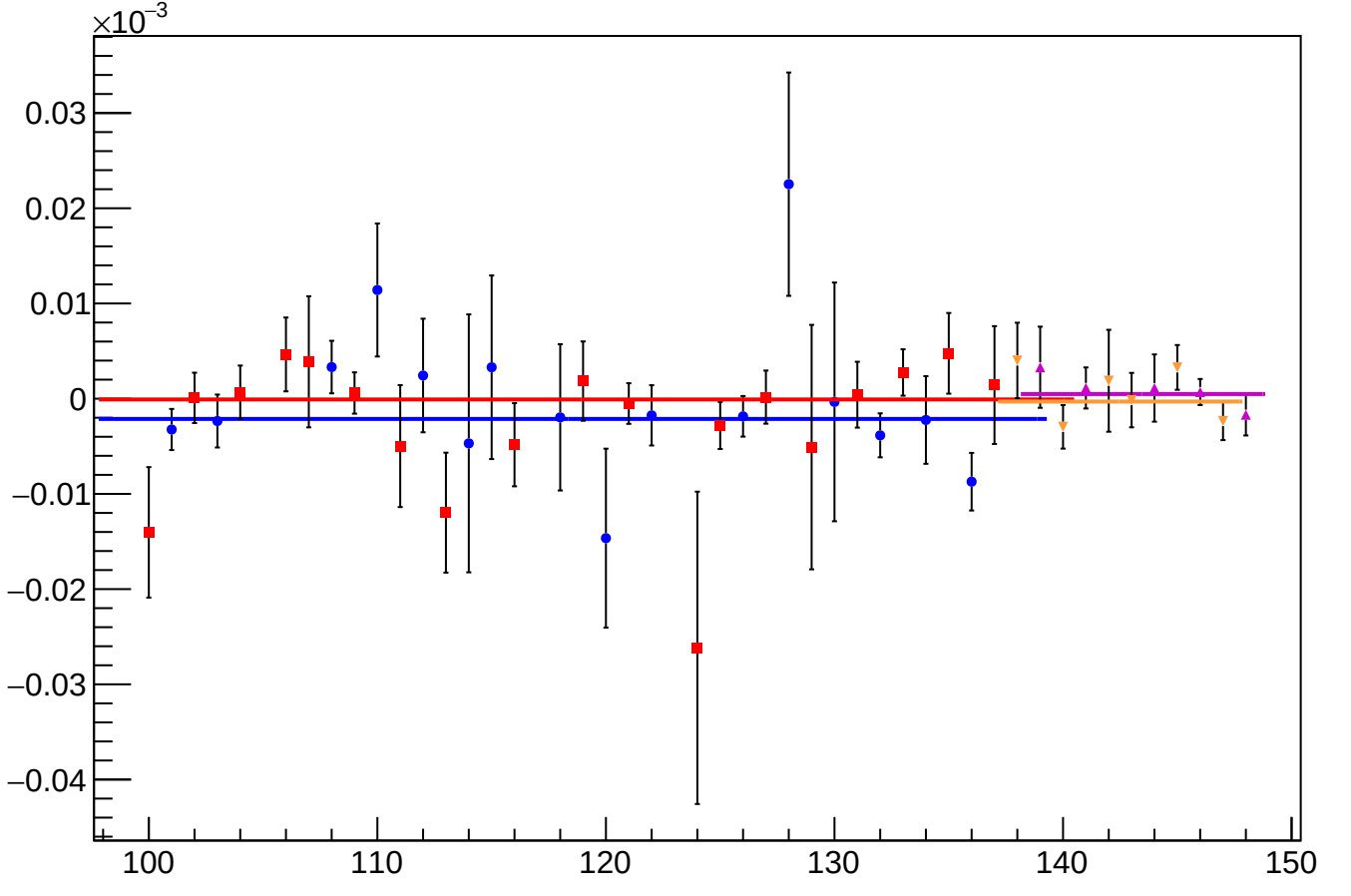
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

\+ sign 36.062+/-0.008 χ^2/NDF: 1903253.6/21

All: 36.086+/-0.006 χ^2/NDF: 3949356.9/45

\- sign 36.110+/-0.008 χ^2/NDF: 2046086.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

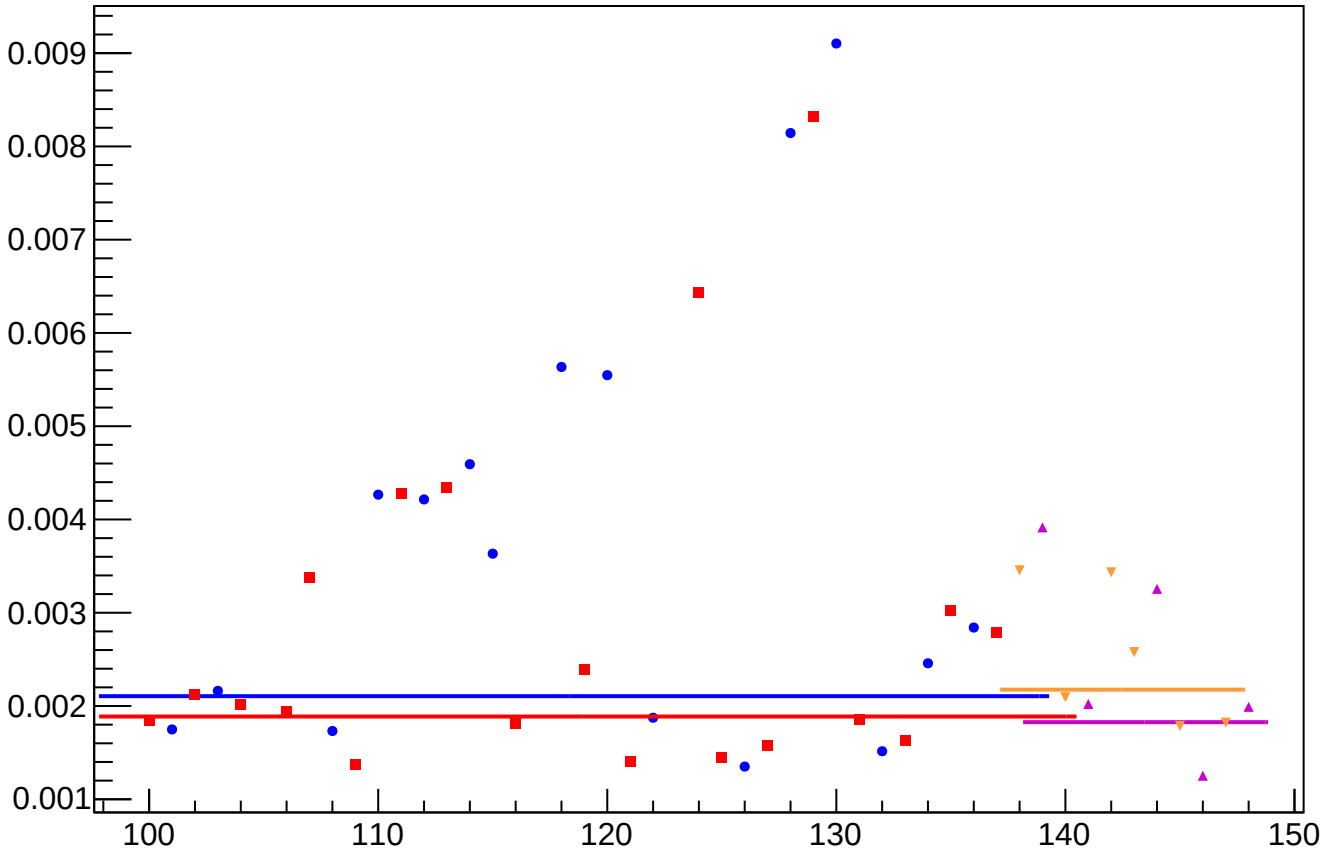
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/21

All: -0.000+/-0.000 χ^2/NDF: 51.1/45

- sign 0.000+/-0.000 χ^2/NDF: 20.2/23



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:477371.6/5

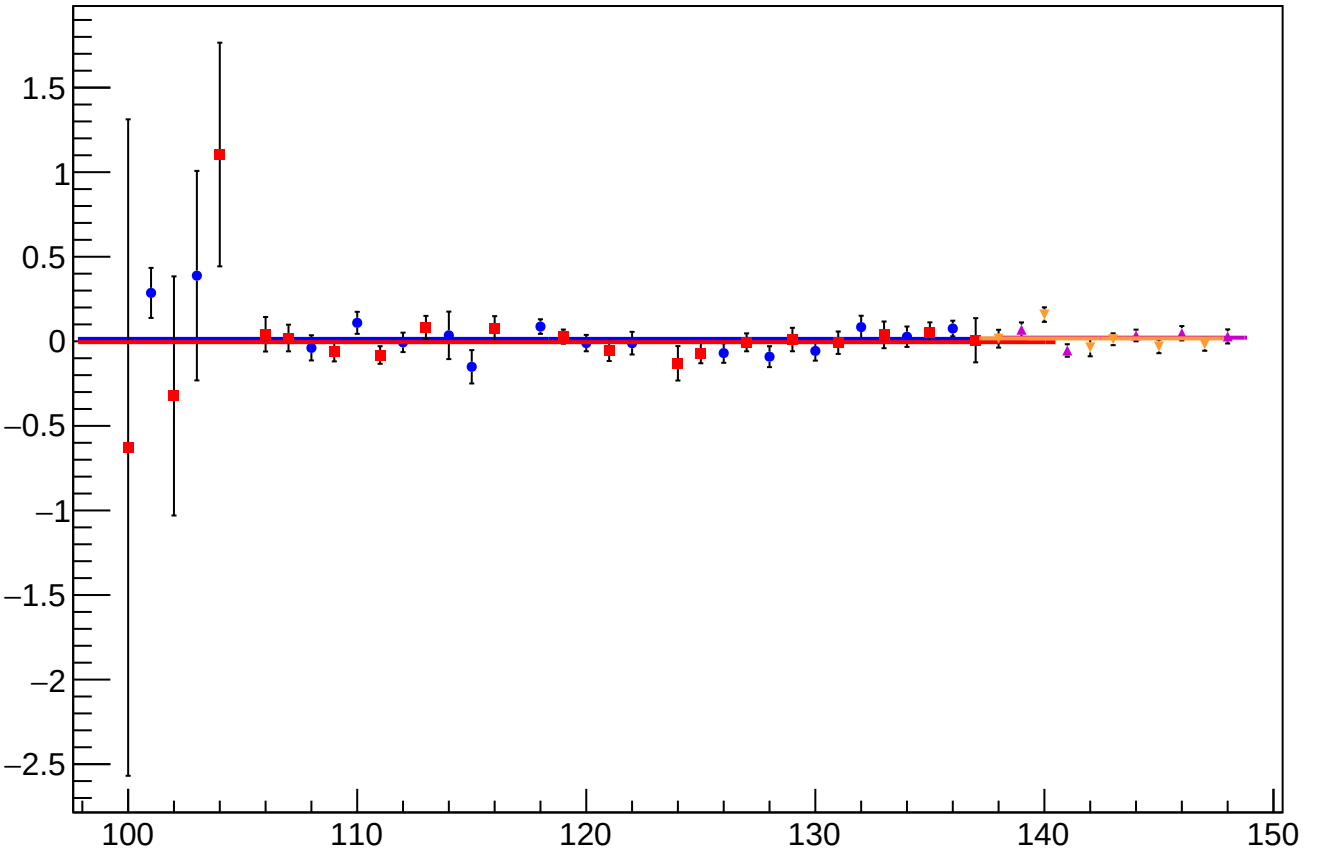
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1188268.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 3499871.0/21

All: 0.002+/-0.000 χ^2/NDF: 6757650.7/45

- sign 0.002+/-0.000 χ^2/NDF: 3085042.5/23



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

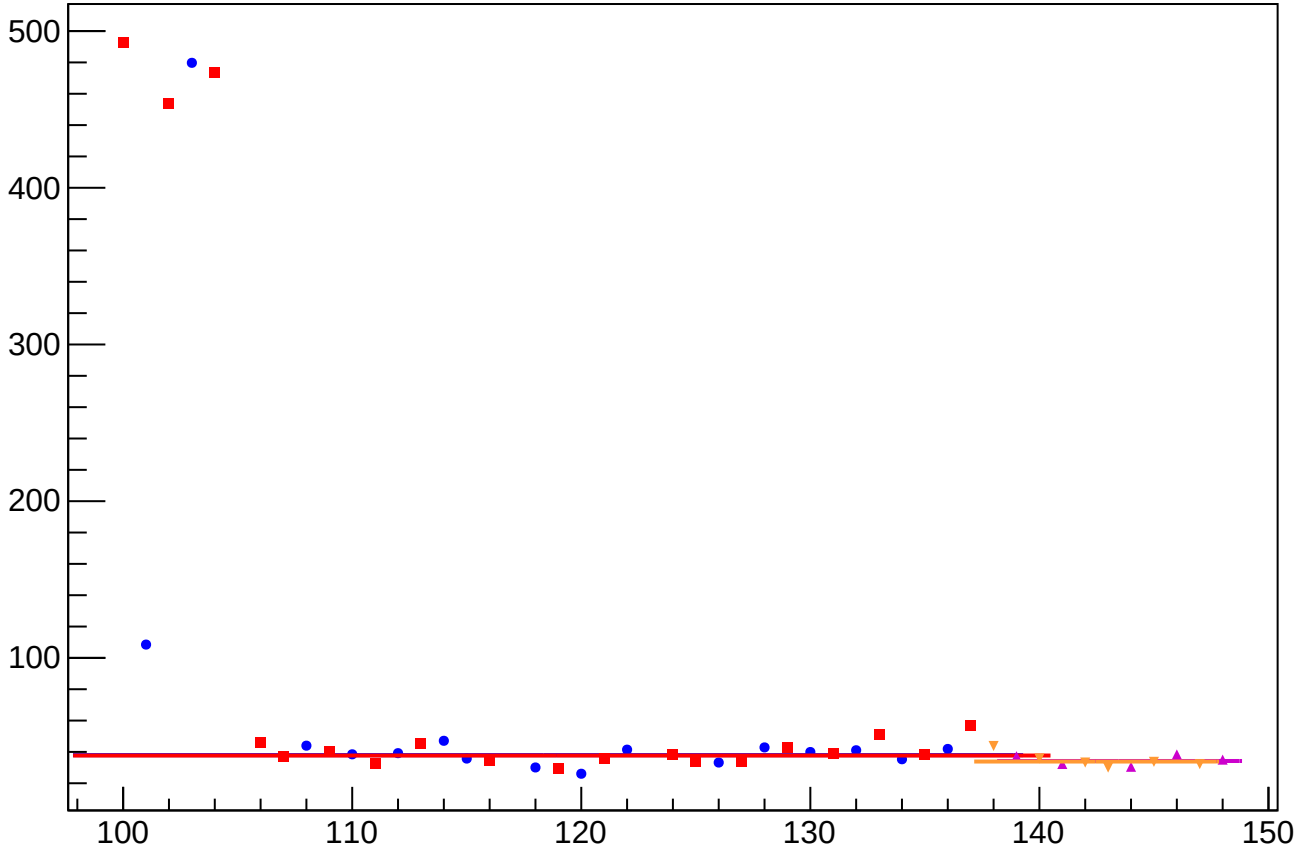
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.3/45

- sign 0.007+/-0.012 χ^2/NDF: 22.1/23

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.860+/-0.012 χ^2/NDF:103123.0/5

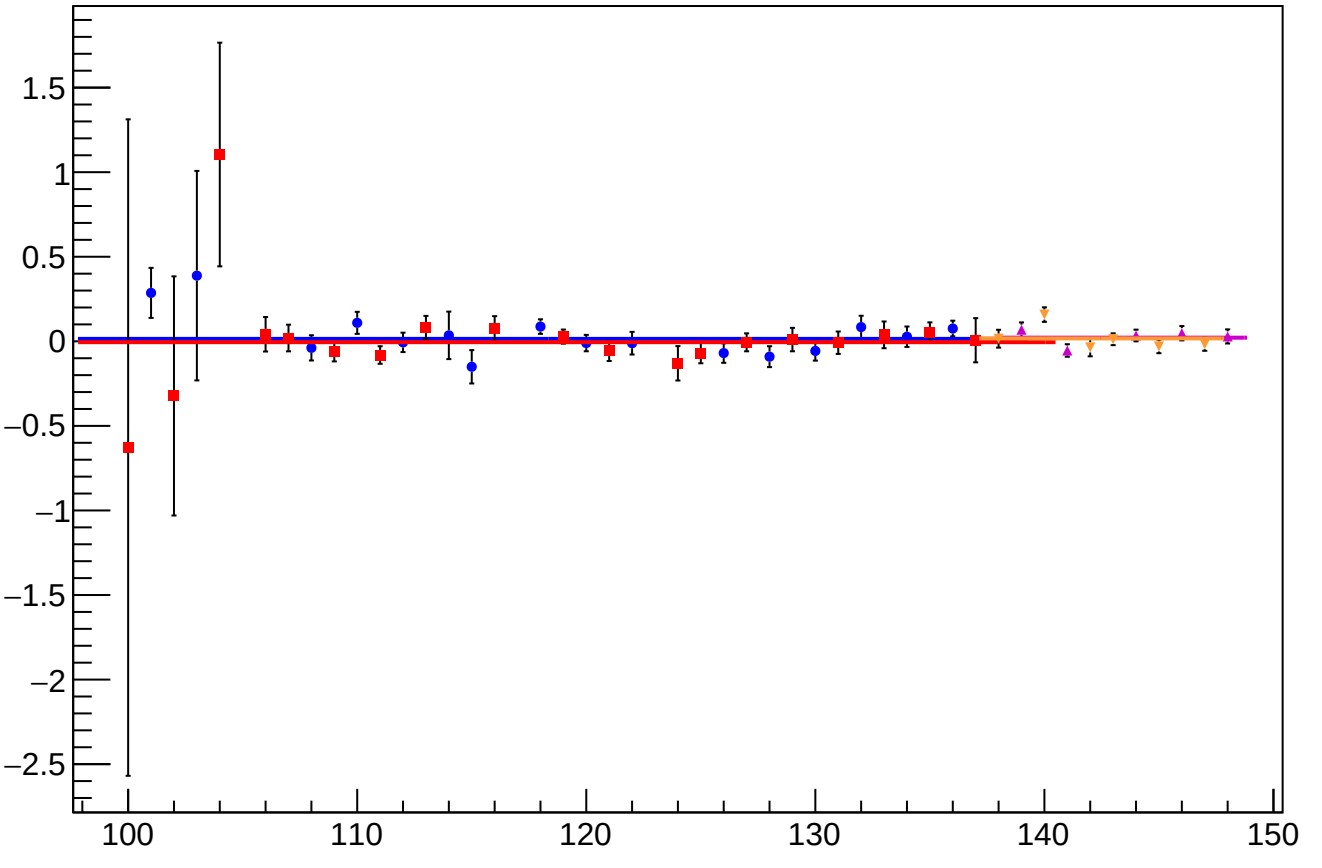
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

\+ sign 36.062+/-0.008 χ^2/NDF: 1903289.6/21

All: 36.085+/-0.006 χ^2/NDF: 3949456.1/45

\- sign 36.109+/-0.008 χ^2/NDF: 2046150.1/23



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

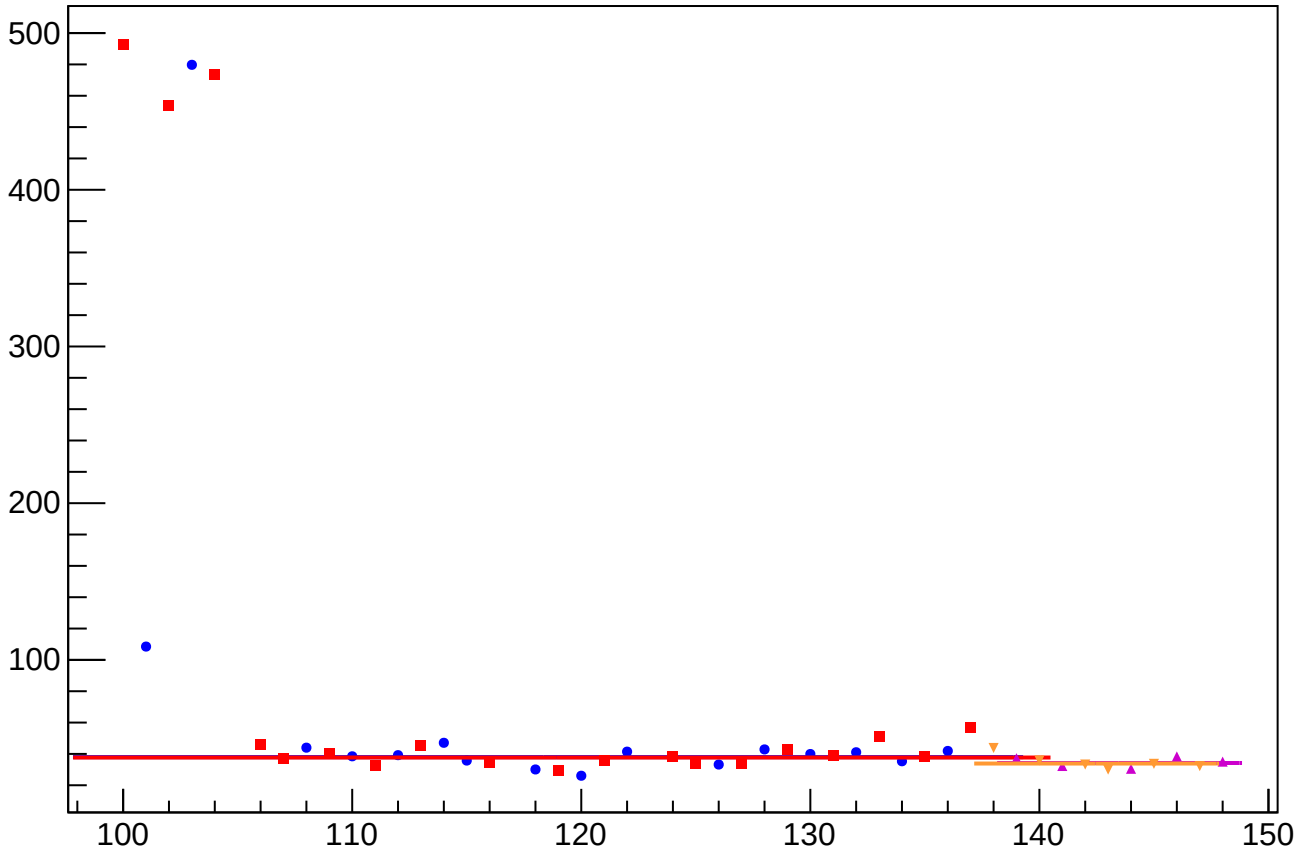
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.016+/-0.012 χ^2/NDF: 36.0/21

All: 0.011+/-0.008 χ^2/NDF: 58.3/45

- sign 0.007+/-0.012 χ^2/NDF: 22.1/23



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.860+/-0.012 χ^2/NDF:103123.0/5

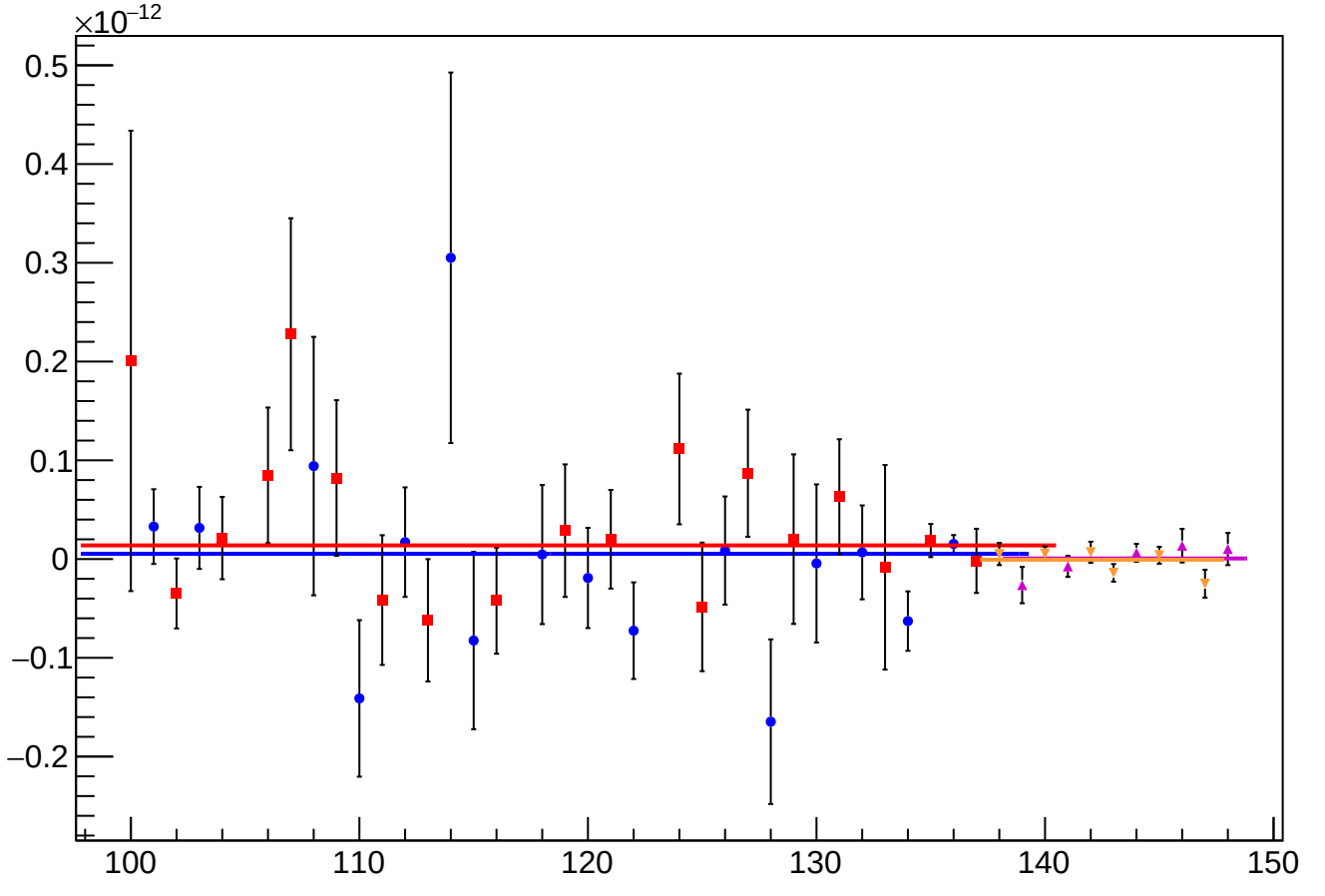
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

+ sign 36.062+/-0.008 χ^2/NDF: 1903289.6/21

All: 36.085+/-0.006 χ^2/NDF: 3949456.1/45

- sign 36.109+/-0.008 χ^2/NDF: 2046150.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/5

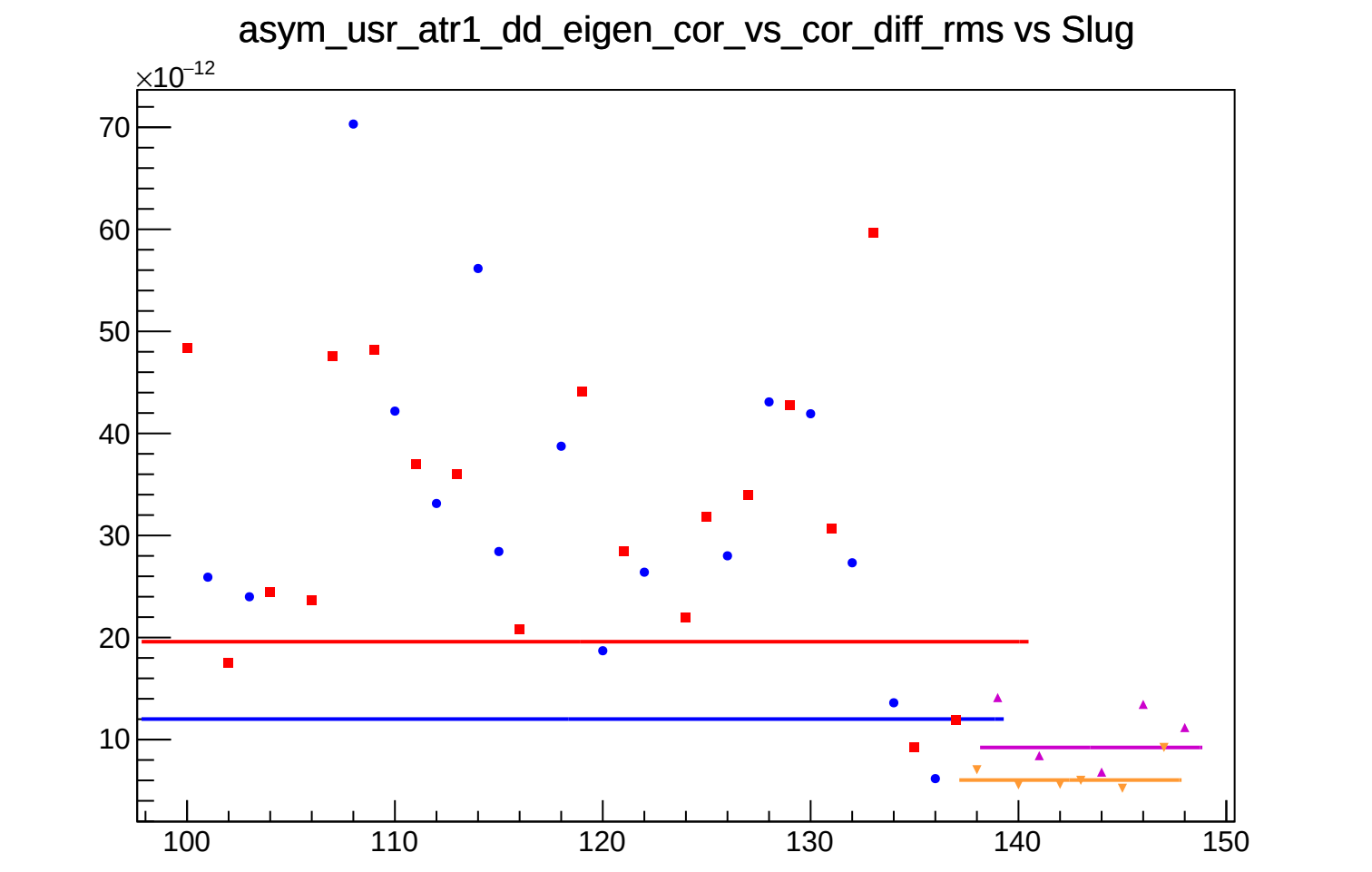
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/4

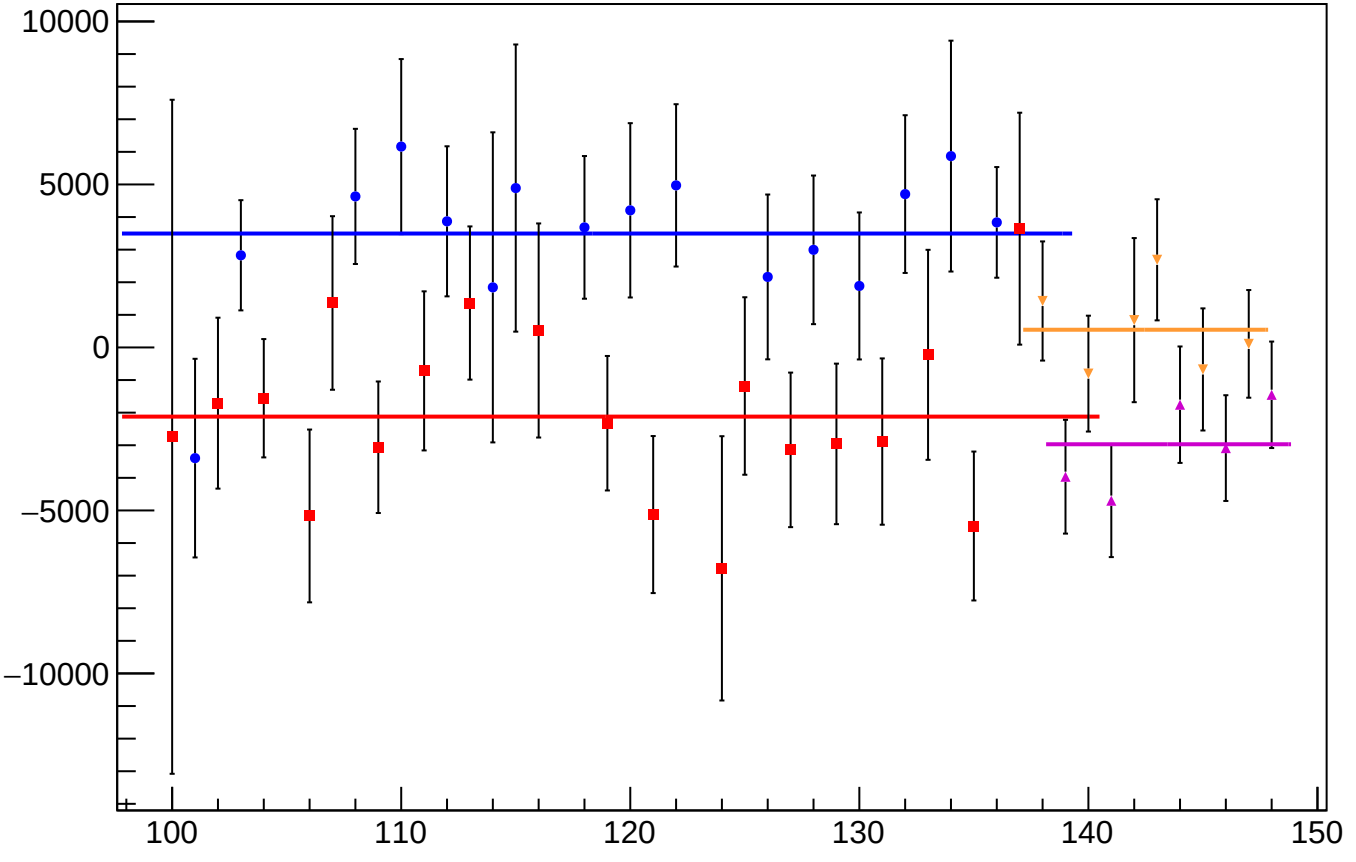
+ sign 0.000+/-0.000 χ^2/NDF: 29.1/21

All: 0.000+/-0.000 χ^2/NDF: 50.6/45

- sign 0.000+/-0.000 χ^2/NDF: 21.2/23


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
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:446883.3/4
+ sign 0.000+/-0.000 χ²/NDF: 5007723.0/21
All: 0.000+/-0.000 χ²/NDF: 10561325.0/45
- sign 0.000+/-0.000 χ²/NDF: 4562633.6/23

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

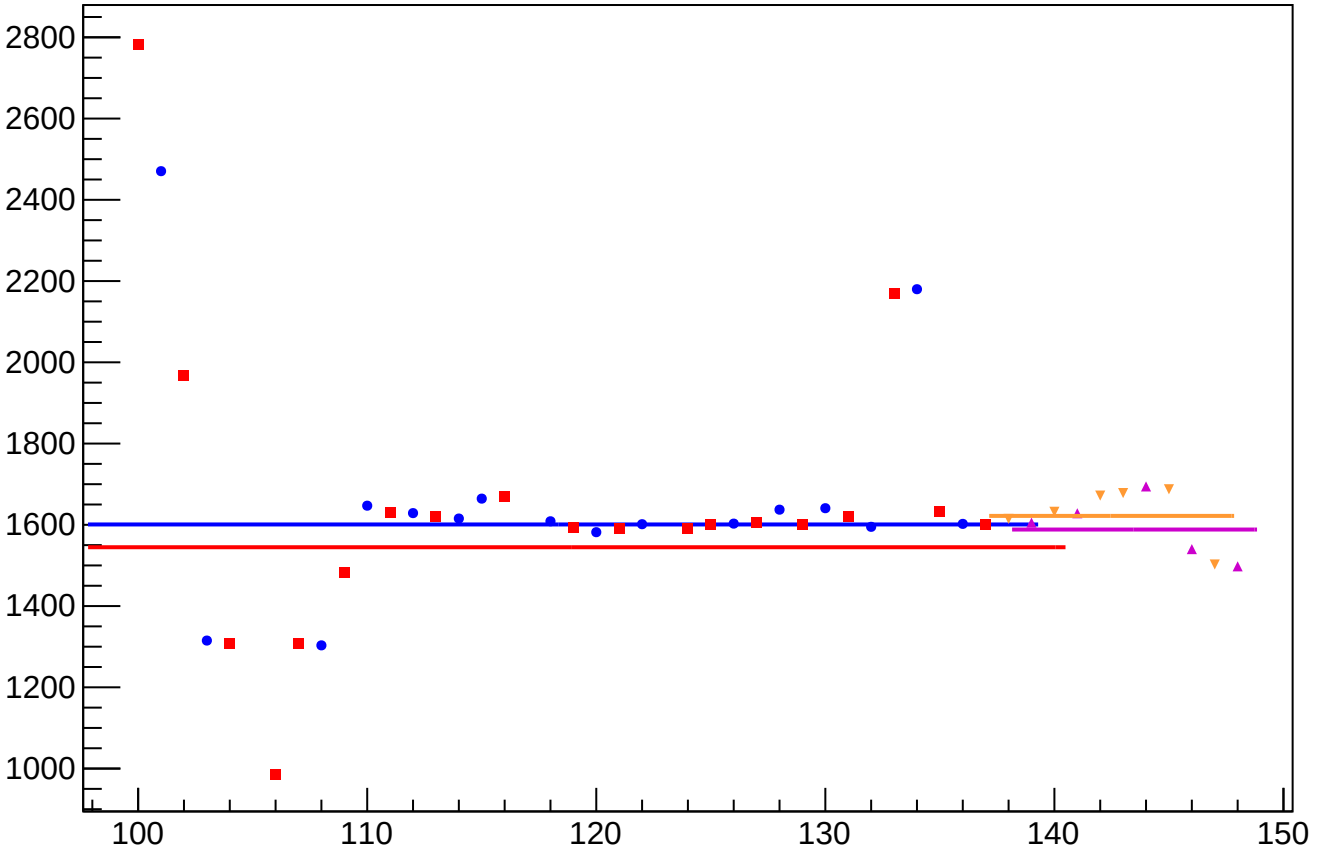
Left In: -2969.744+/-760.103 χ^2/NDF:2.7/4

+ sign 2365.029+/-472.348 χ^2/NDF: 20.7/21

All: -75.164+/-331.334 χ^2/NDF: 91.7/45

- sign -2438.946+/-464.894 χ^2/NDF: 18.5/23

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

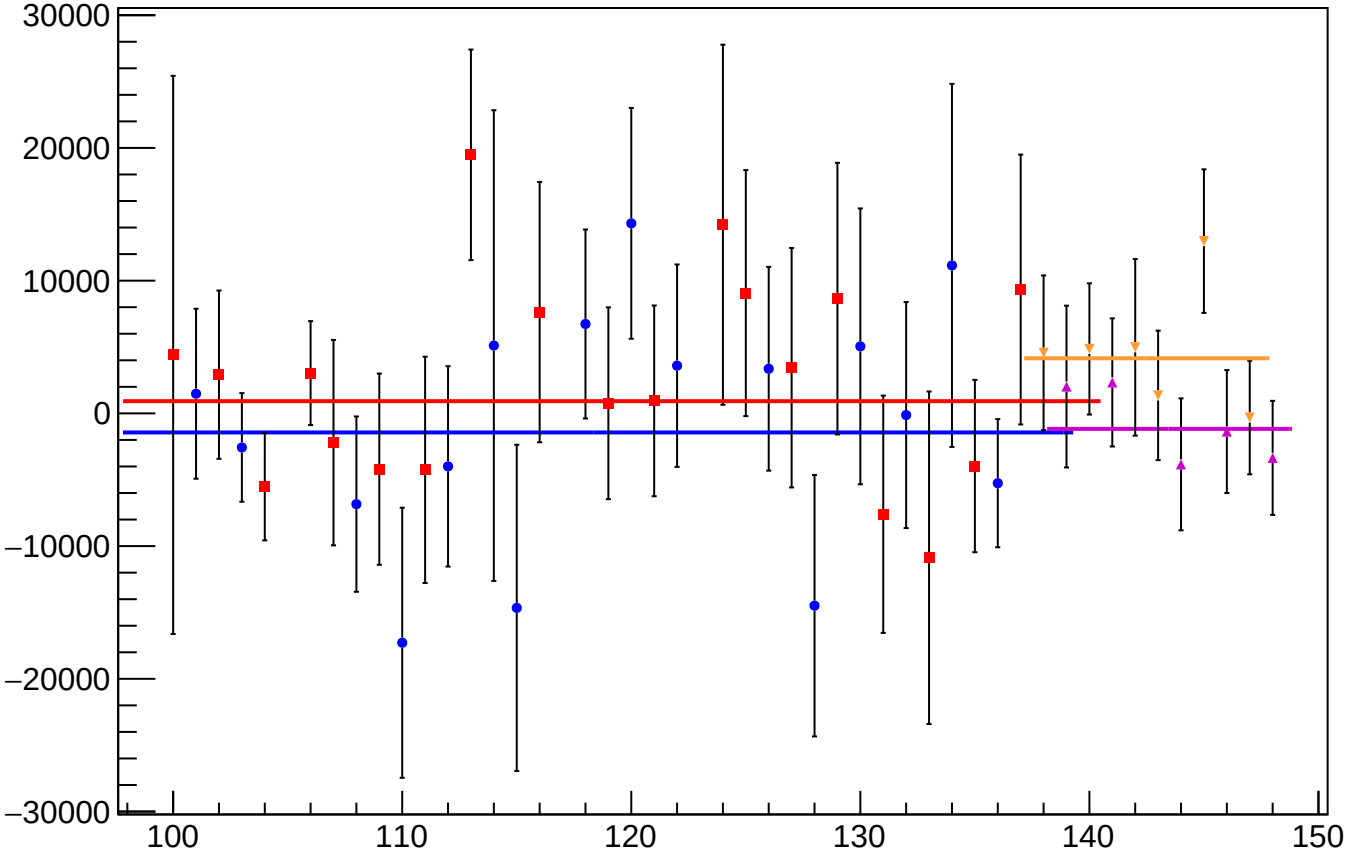
Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1608.945+/-0.334 χ^2/NDF: 334008.3/21

All: 1584.216+/-0.233 χ^2/NDF: 741222.6/45

- sign 1560.763+/-0.325 χ^2/NDF: 396533.5/23

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

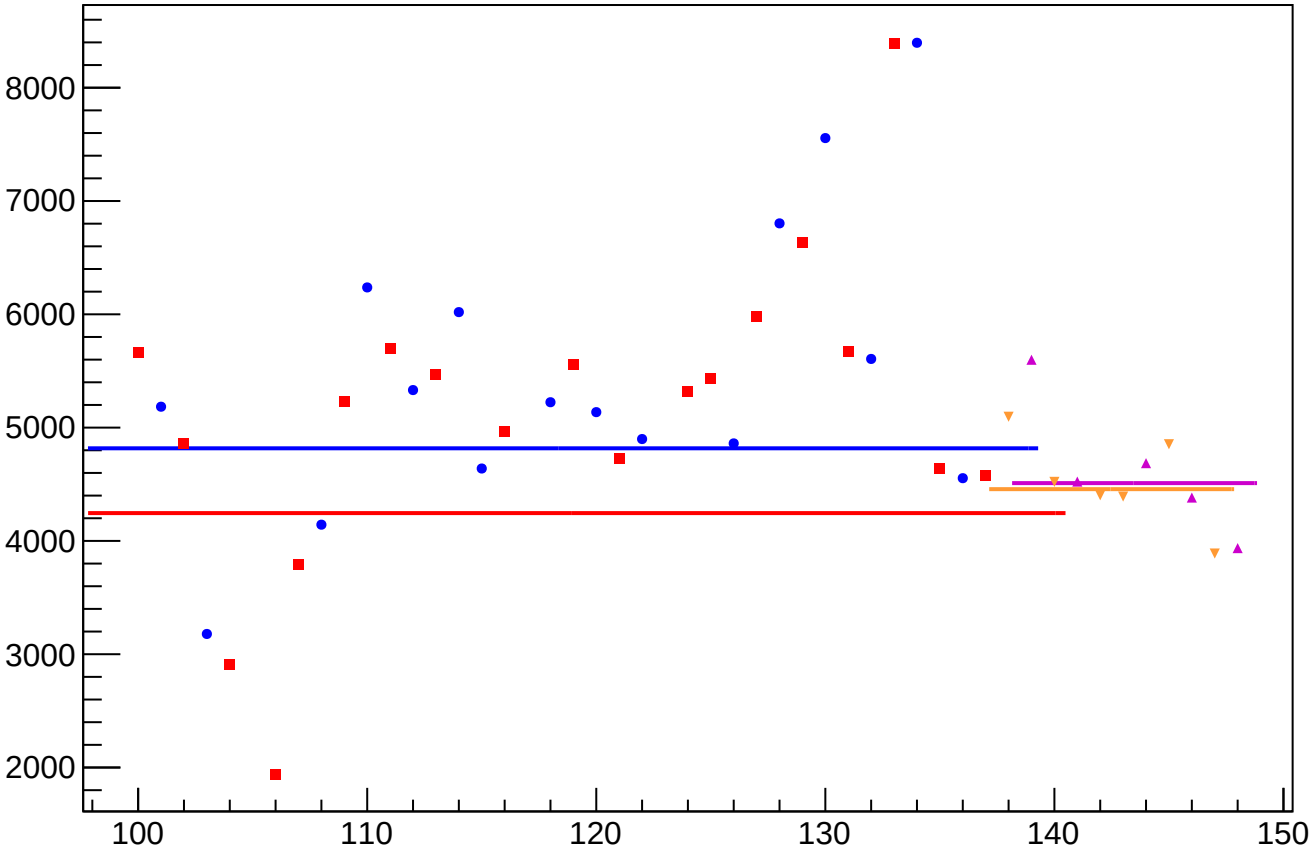
Left In: -1167.368+/-2176.822 χ^2/NDF:1.3/4

\+ sign 984.302+/-1391.420 χ^2/NDF: 21.9/21

All: 544.605+/-959.401 χ^2/NDF: 39.4/45

\- sign 146.103+/-1324.638 χ^2/NDF: 17.3/23

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

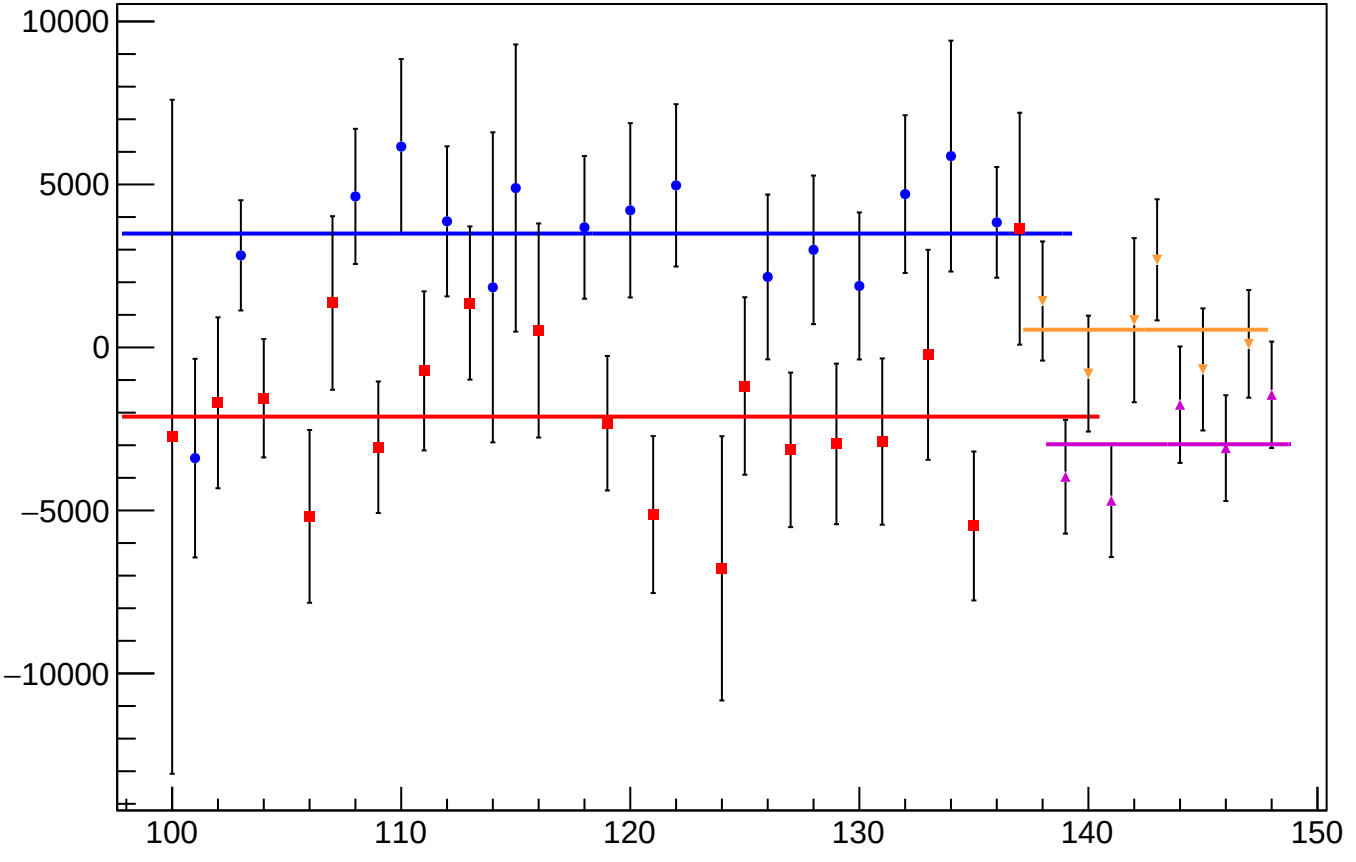
Left In: 4510.181+/-1.539 χ^2/NDF:103515.2/4

+ sign 4661.143+/-0.984 χ^2/NDF: 899270.9/21

All: 4494.532+/-0.678 χ^2/NDF: 2759225.6/45

- sign 4343.531+/-0.937 χ^2/NDF: 1805289.2/23

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

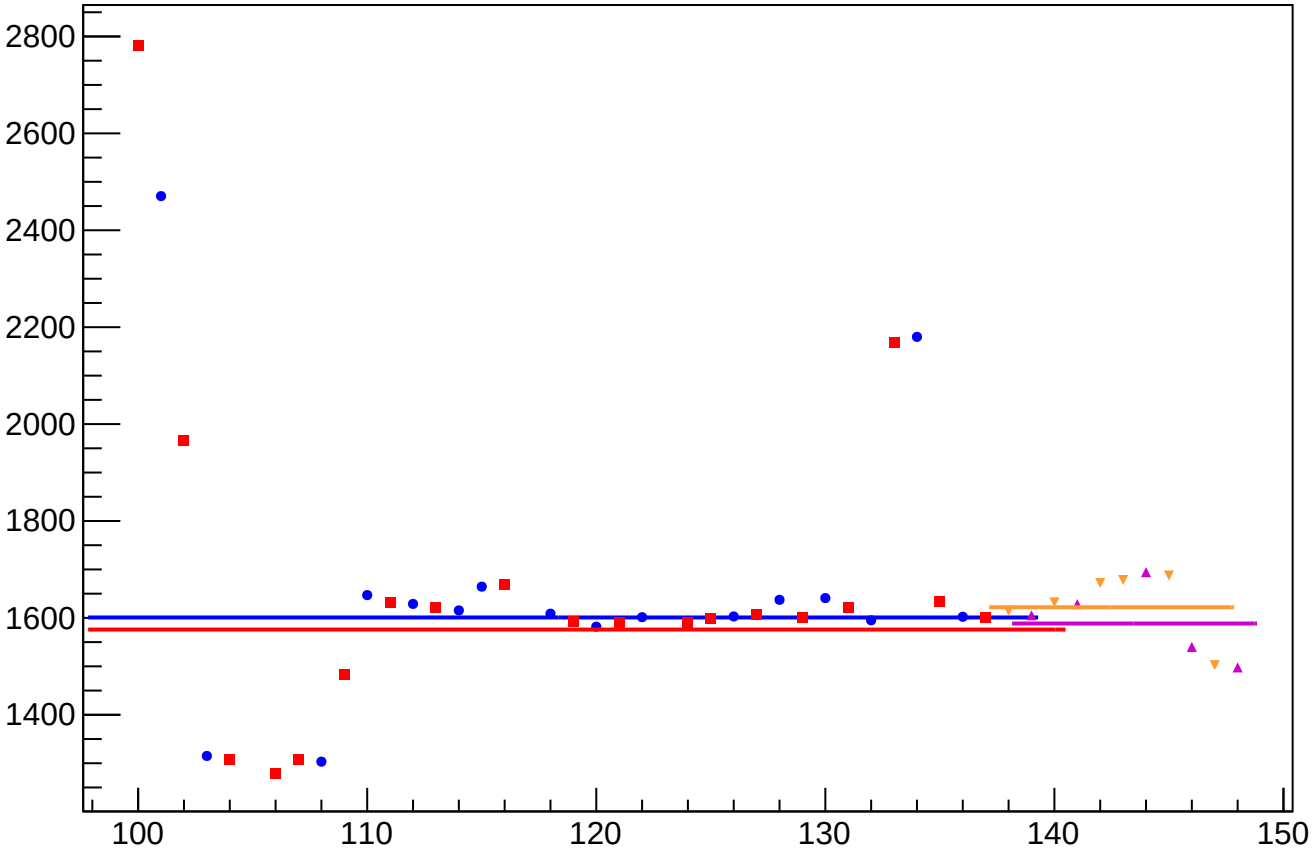
Left In: -2970.026+/-760.103 χ^2/NDF:2.7/4

+ sign 2364.803+/-472.348 χ^2/NDF: 20.7/21

All: -75.320+/-331.334 χ^2/NDF: 91.7/45

- sign -2439.048+/-464.895 χ^2/NDF: 18.5/23

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

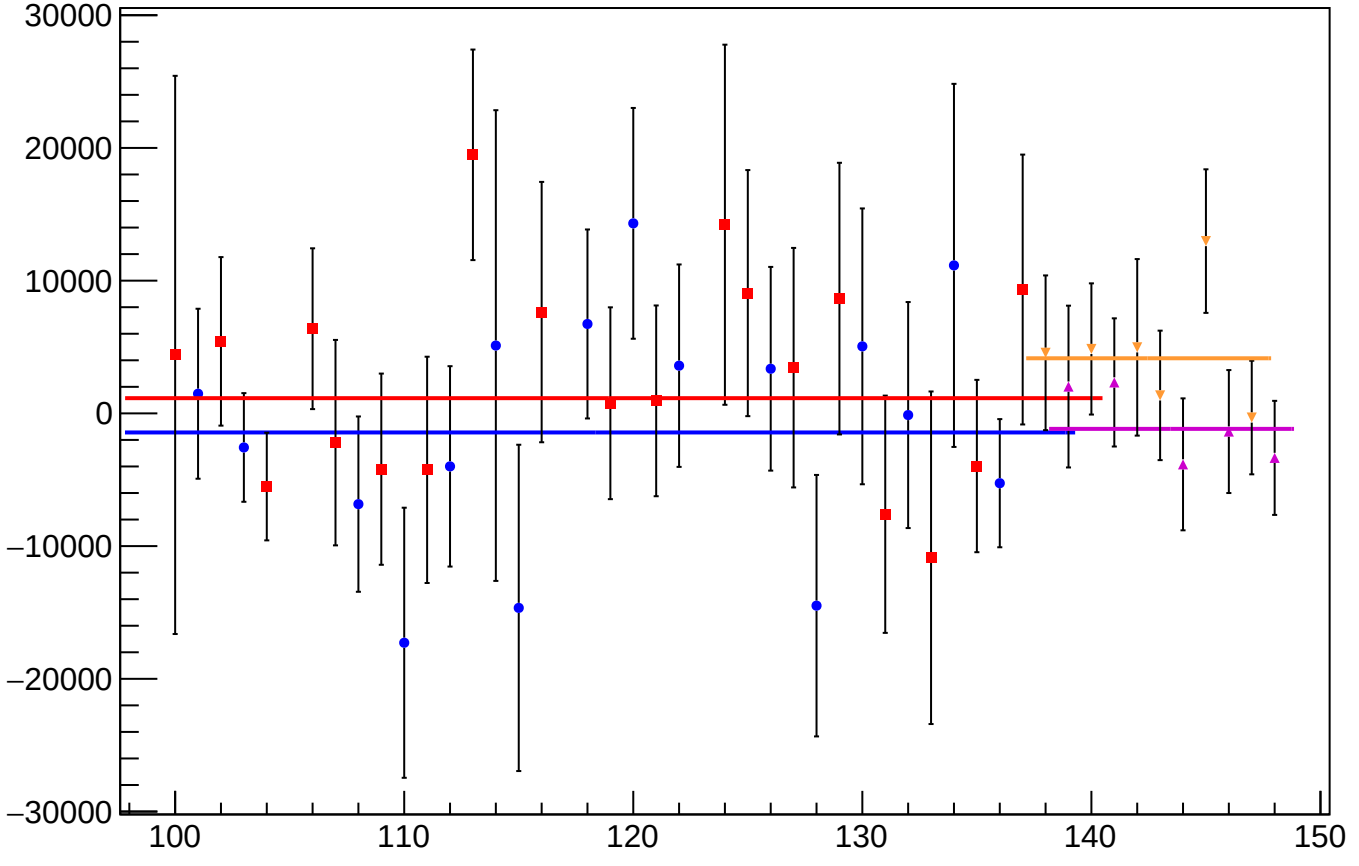
Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1608.946+/-0.334 χ^2/NDF: 334007.4/21

All: 1594.483+/-0.234 χ^2/NDF: 597602.4/45

- sign 1580.543+/-0.328 χ^2/NDF: 259912.7/23

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

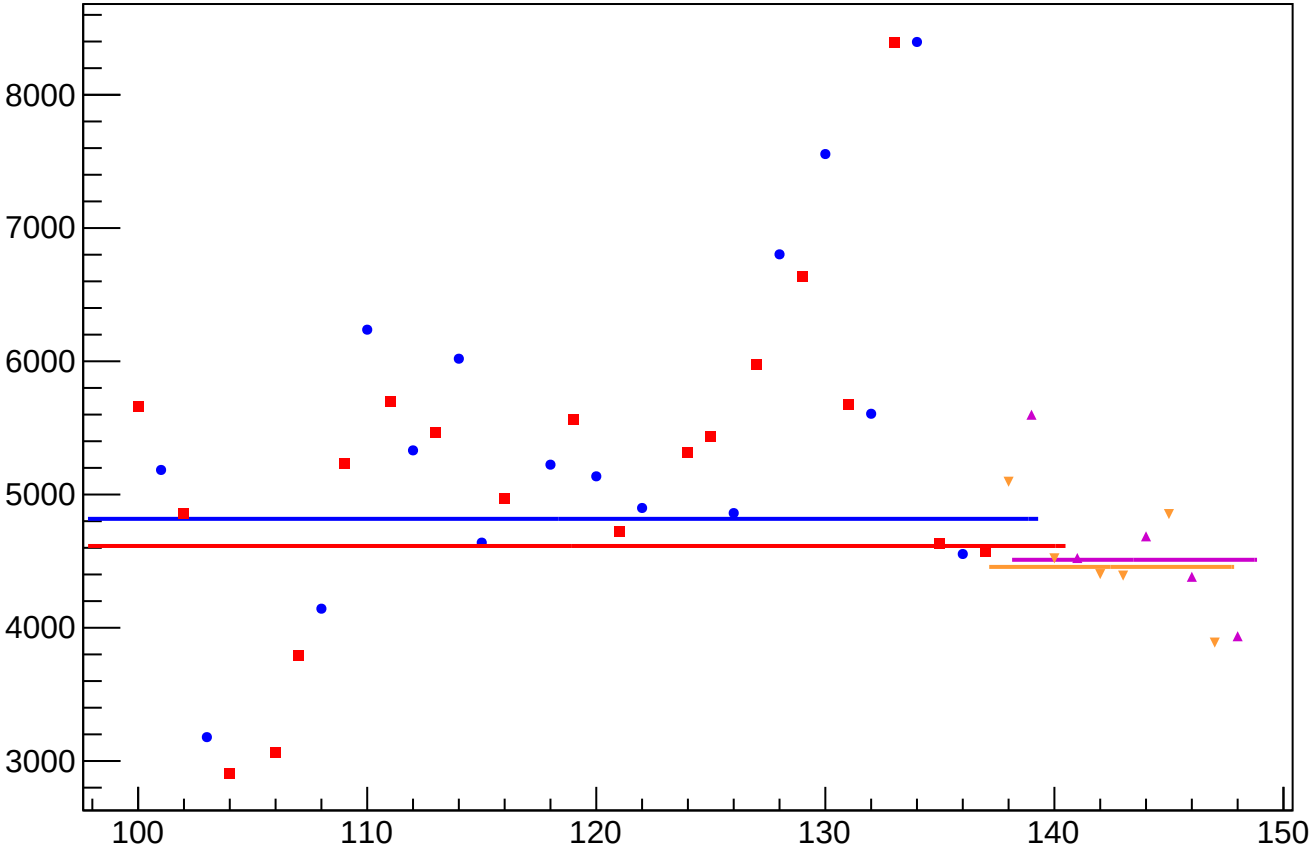
Left In: -1167.493+/-2176.822 χ^2/NDF:1.3/4

+ sign 984.193+/-1391.434 χ^2/NDF: 21.9/21

All: 600.651+/-976.642 χ^2/NDF: 40.4/45

- sign 228.210+/-1371.151 χ^2/NDF: 18.3/23

asym_usr_atr2_avg_cor_correction_rms vs Slug



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

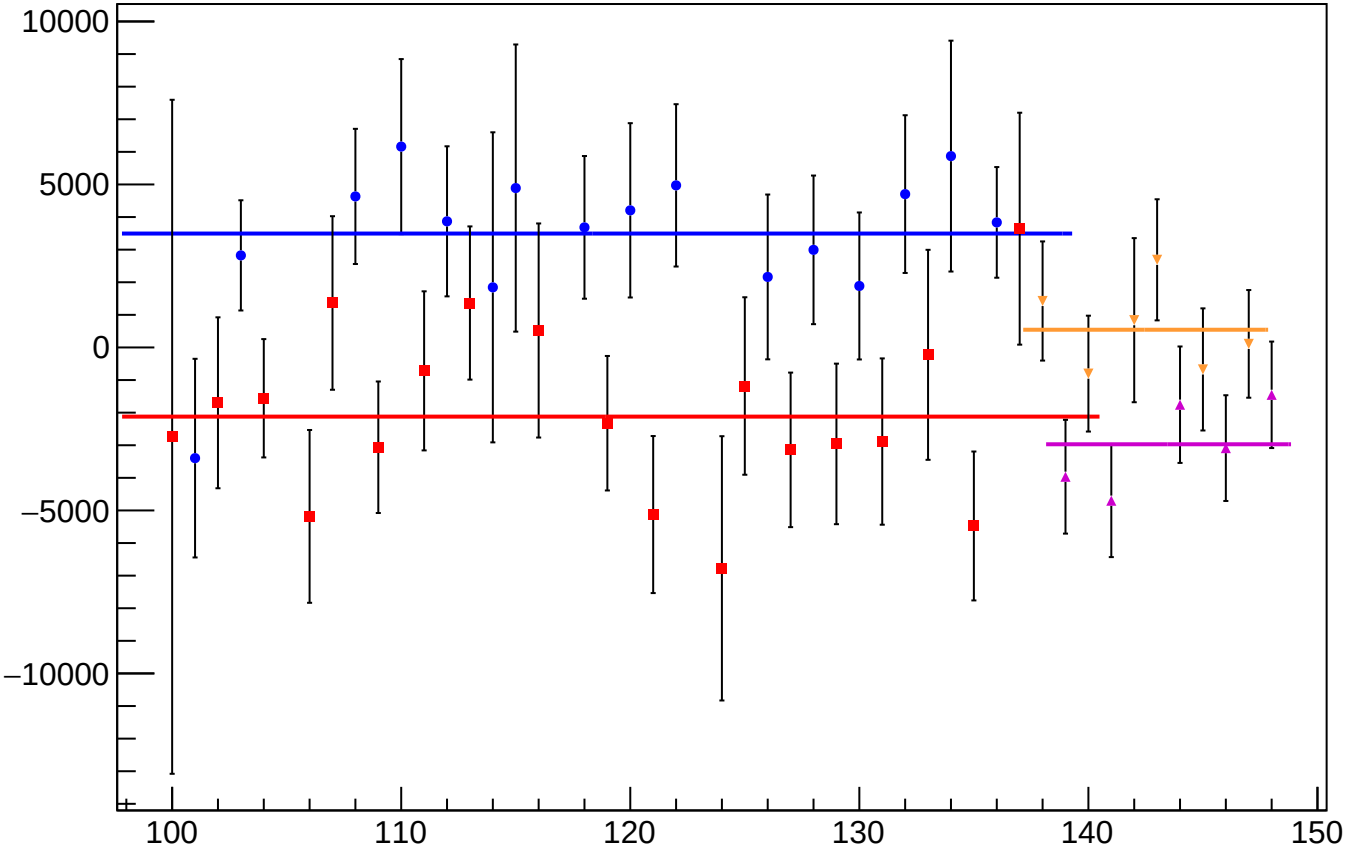
Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

+ sign 4661.210+/-0.984 χ^2/NDF: 899099.6/21

All: 4616.315+/-0.691 χ^2/NDF: 1987413.0/45

- sign 4572.719+/-0.970 χ^2/NDF: 1084209.4/23

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

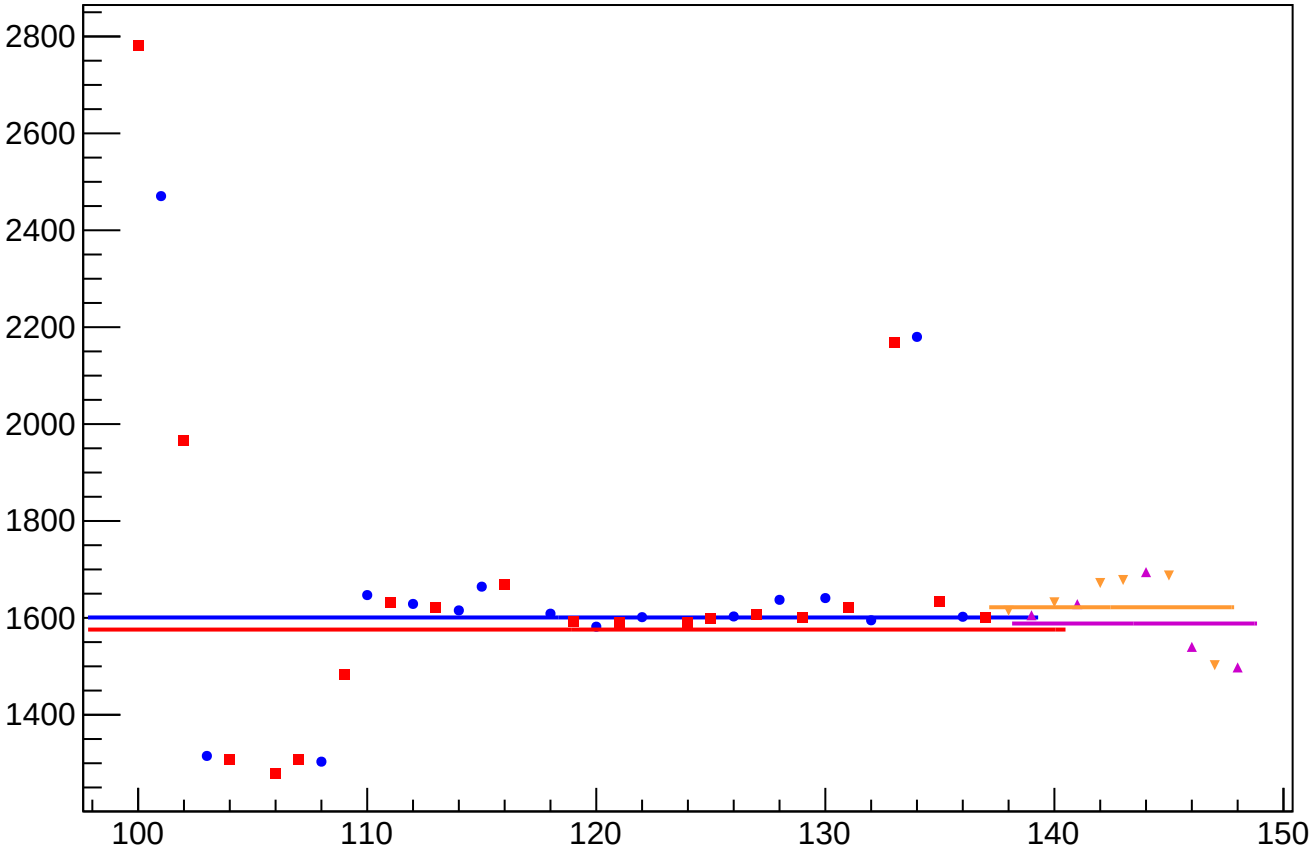
Left In: -2970.026+/-760.103 χ^2/NDF:2.7/4

+ sign 2364.803+/-472.348 χ^2/NDF: 20.7/21

All: -75.320+/-331.334 χ^2/NDF: 91.7/45

- sign -2439.048+/-464.895 χ^2/NDF: 18.5/23

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

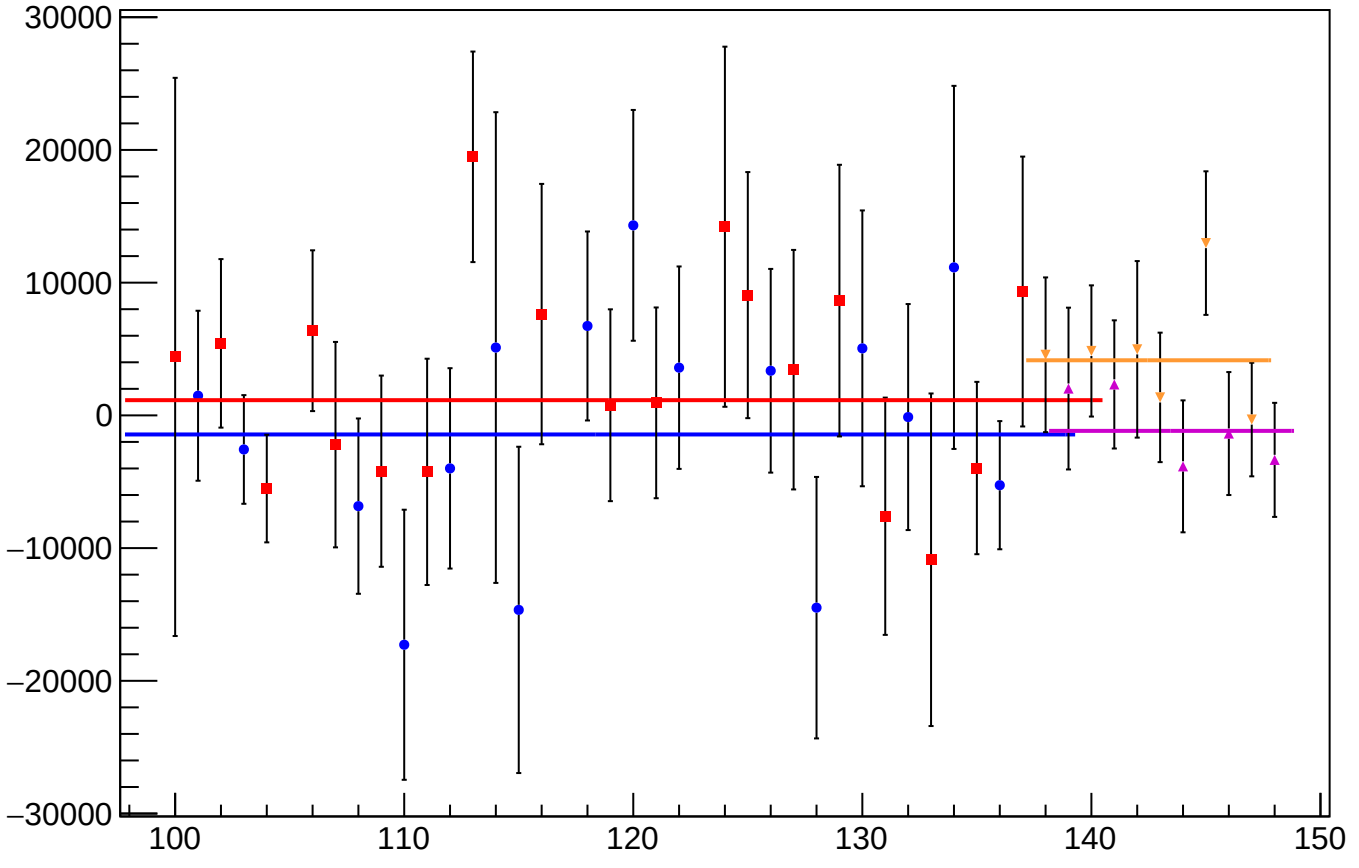
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1608.946+/-0.334 χ^2/NDF: 334007.4/21

All: 1594.483+/-0.234 χ^2/NDF: 597602.4/45

- sign 1580.543+/-0.328 χ^2/NDF: 259912.7/23



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

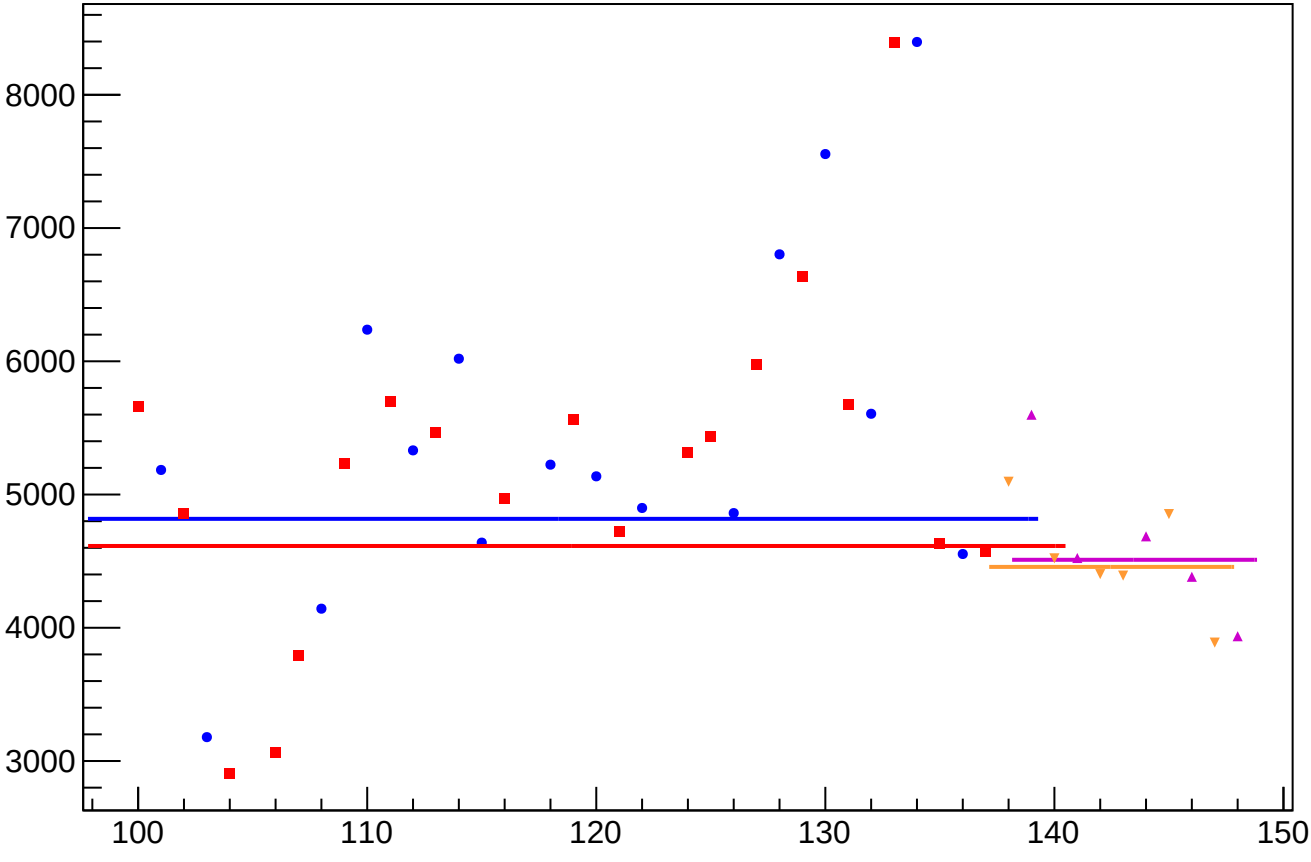
Left In: -1167.493+/-2176.822 χ^2/NDF:1.3/4

+ sign 984.193+/-1391.434 χ^2/NDF: 21.9/21

All: 600.651+/-976.642 χ^2/NDF: 40.4/45

- sign 228.210+/-1371.151 χ^2/NDF: 18.3/23

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



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

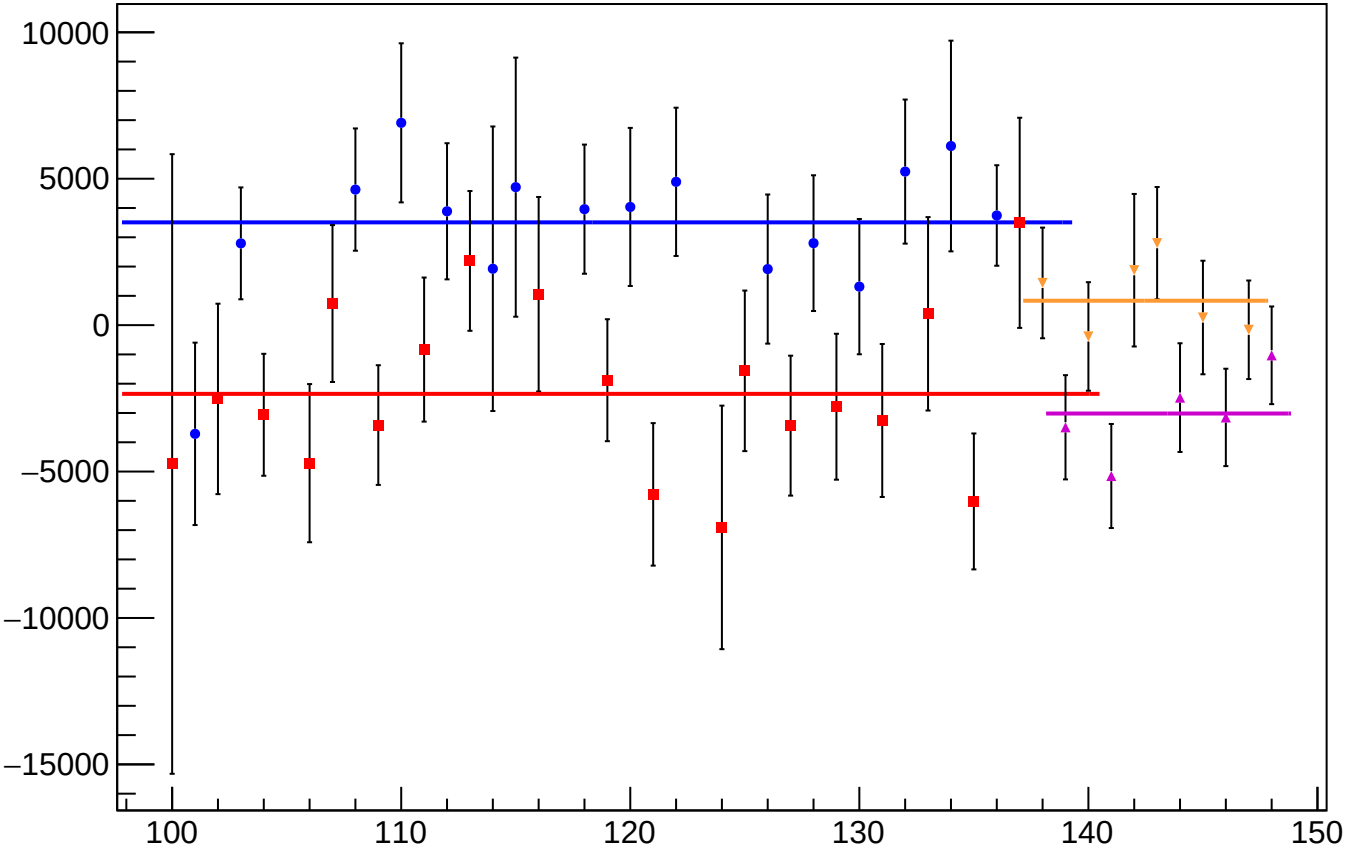
Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

+ sign 4661.210+/-0.984 χ^2/NDF: 899099.6/21

All: 4616.315+/-0.691 χ^2/NDF: 1987413.0/45

- sign 4572.719+/-0.970 χ^2/NDF: 1084209.4/23

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

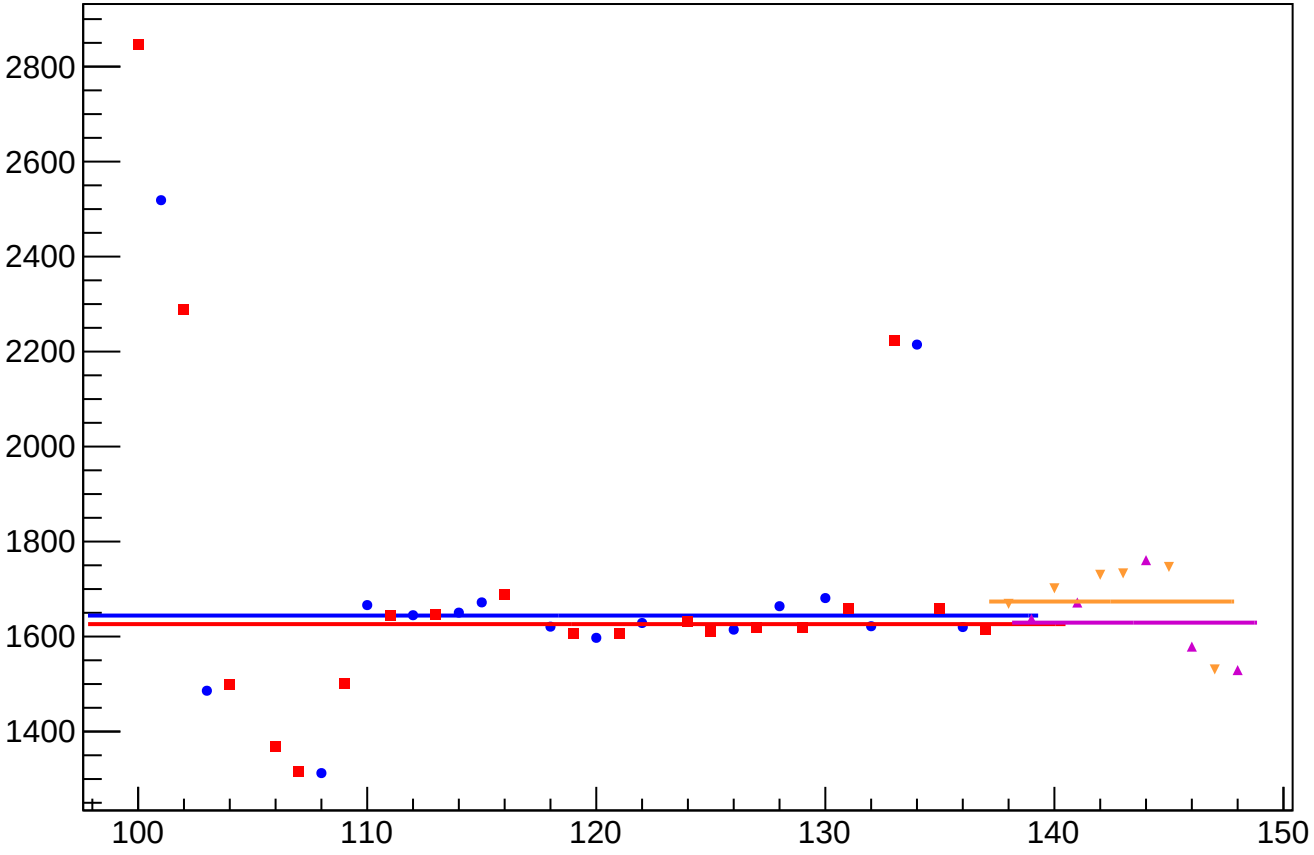
Left In: -3017.961+/-779.909 χ^2/NDF:3.0/4

+ sign 2493.357+/-485.716 χ^2/NDF: 19.7/21

All: -87.522+/-341.149 χ^2/NDF: 96.0/45

- sign -2600.283+/-479.263 χ^2/NDF: 20.6/23

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

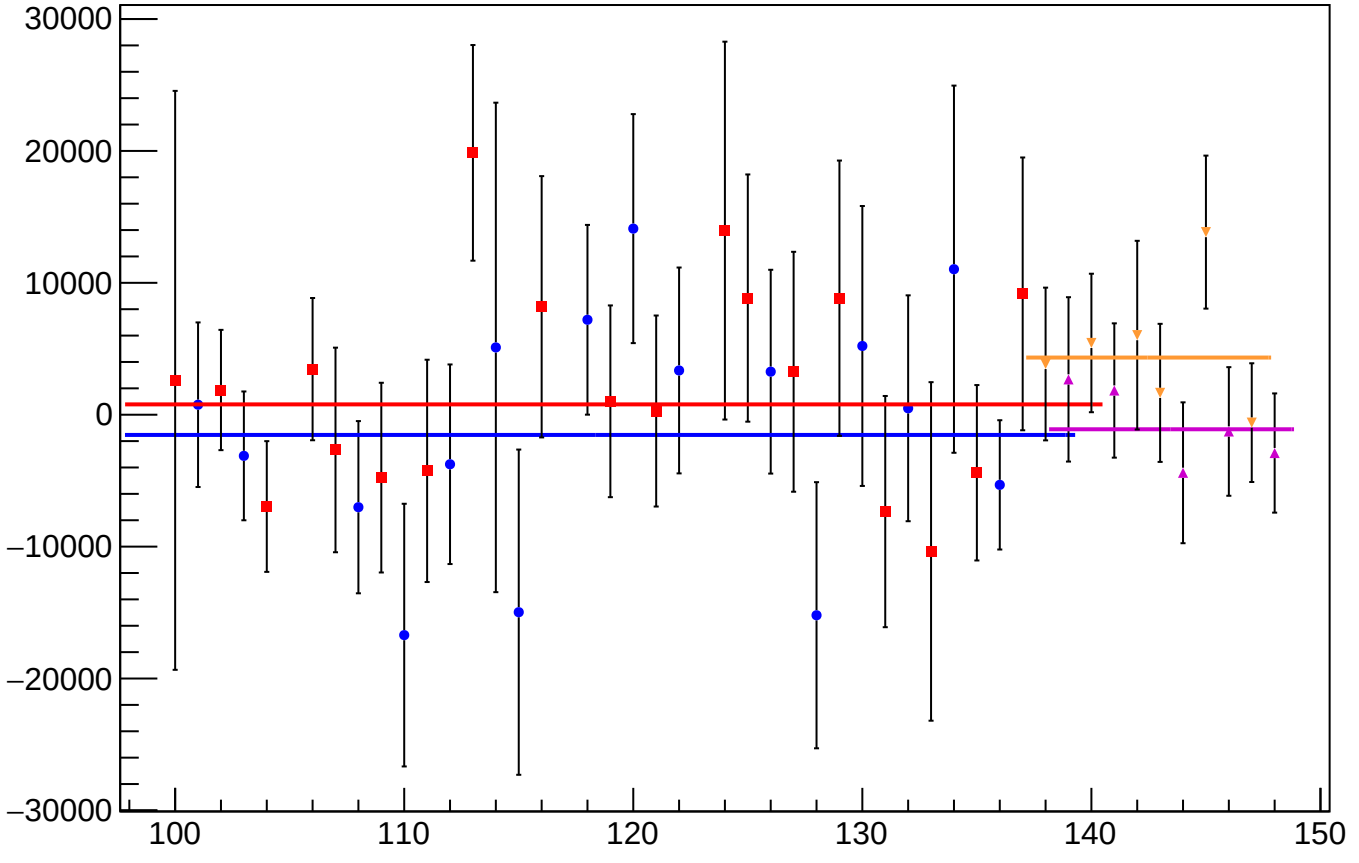
Left In: 1629.276+/-0.551 χ^2/NDF:20251.7/4

\+ sign 1655.410+/-0.343 χ^2/NDF: 297119.4/21

All: 1641.182+/-0.241 χ^2/NDF: 558415.3/45

\- sign 1627.344+/-0.339 χ^2/NDF: 257910.6/23

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

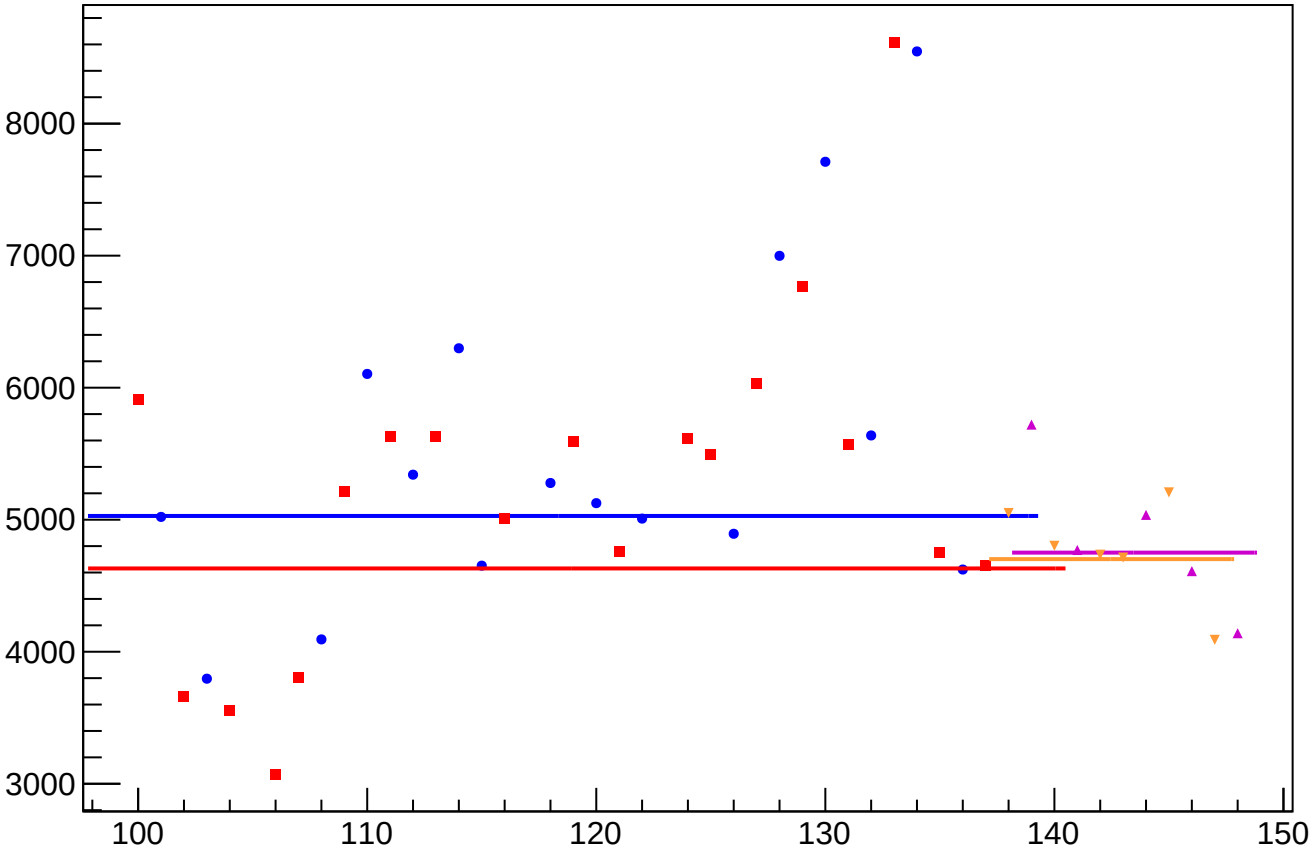
Left In: -1102.981+/-2291.584 χ^2/NDF:1.2/4

\+ sign 957.305+/-1452.064 χ^2/NDF: 22.1/21

All: 504.638+/-1004.142 χ^2/NDF: 39.0/45

\- sign 89.778+/-1390.105 χ^2/NDF: 16.7/23

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

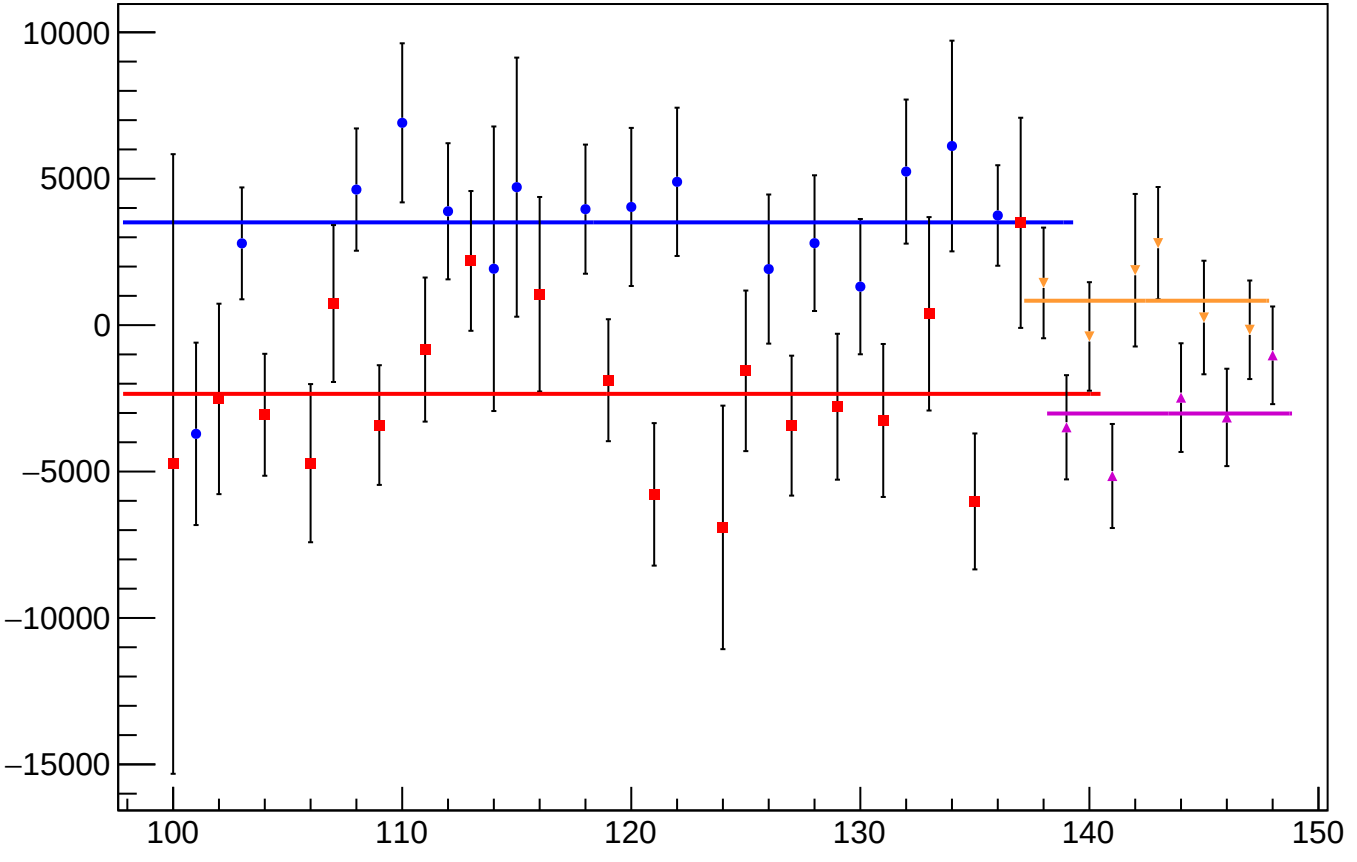
Left In: 4750.732+/-1.620 χ^2/NDF:92345.7/4

+ sign 4889.748+/-1.027 χ^2/NDF: 650368.2/21

All: 4777.693+/-0.710 χ^2/NDF: 1632511.2/45

- sign 4674.996+/-0.983 χ^2/NDF: 959317.1/23

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

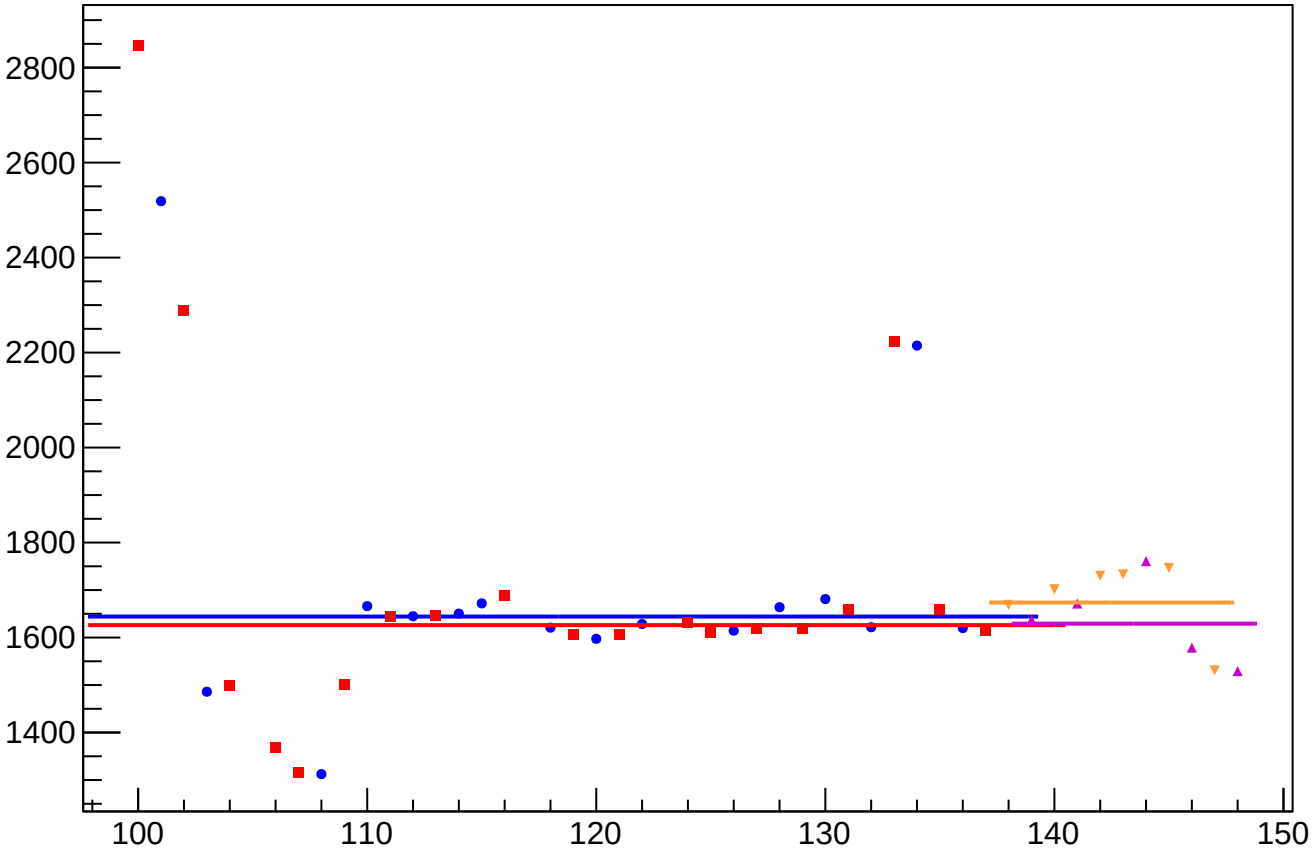
Left In: -3017.955+/-779.910 χ^2/NDF:3.0/4

+ sign 2493.360+/-485.716 χ^2/NDF: 19.7/21

All: -87.521+/-341.149 χ^2/NDF: 96.0/45

- sign -2600.284+/-479.263 χ^2/NDF: 20.6/23

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

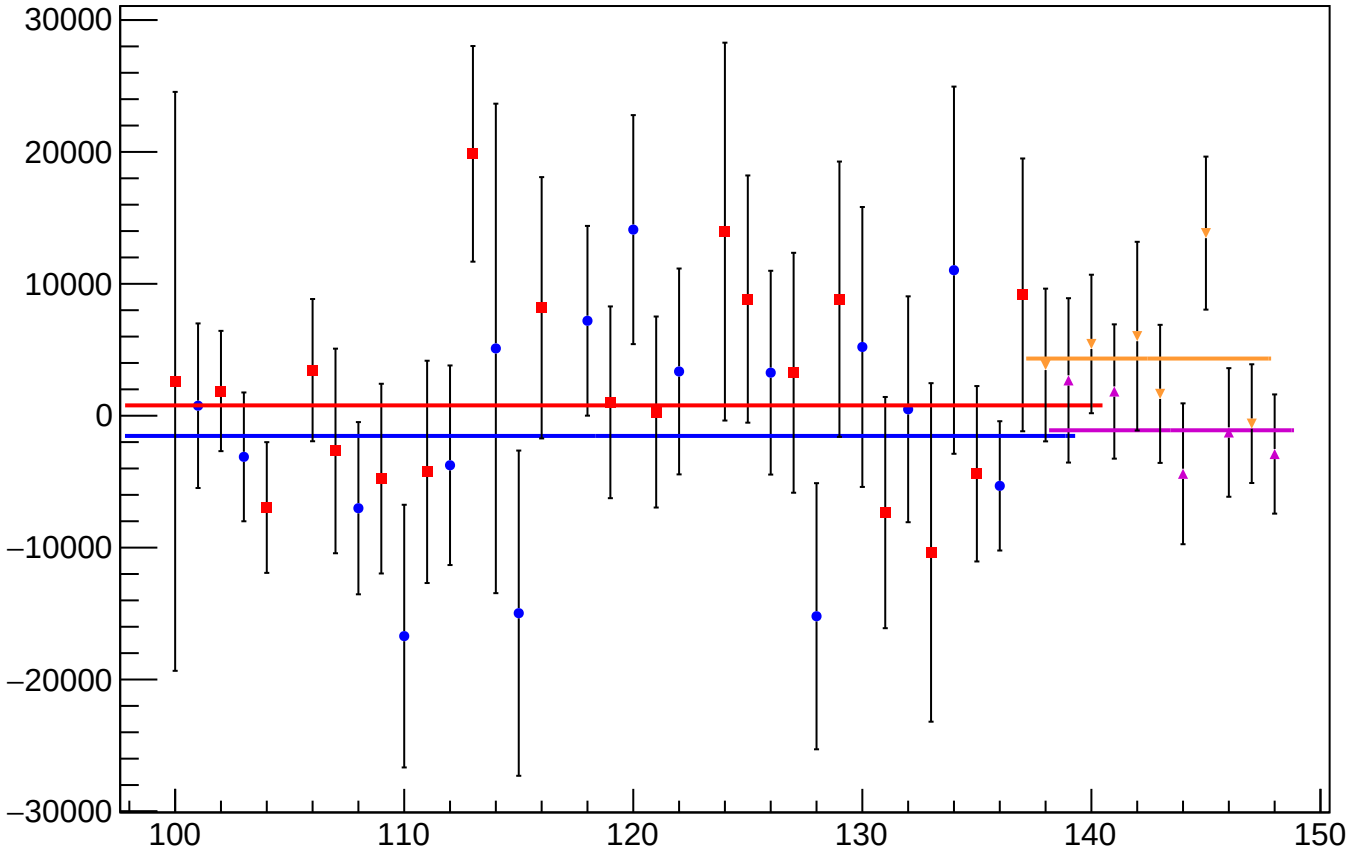
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1629.277+/-0.551 χ^2/NDF:20251.7/4

\+ sign 1655.410+/-0.343 χ^2/NDF: 297119.9/21

All: 1641.182+/-0.241 χ^2/NDF: 558415.3/45

\- sign 1627.345+/-0.339 χ^2/NDF: 257910.1/23



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4334.686+/-2229.145 χ^2/NDF:4.3/5

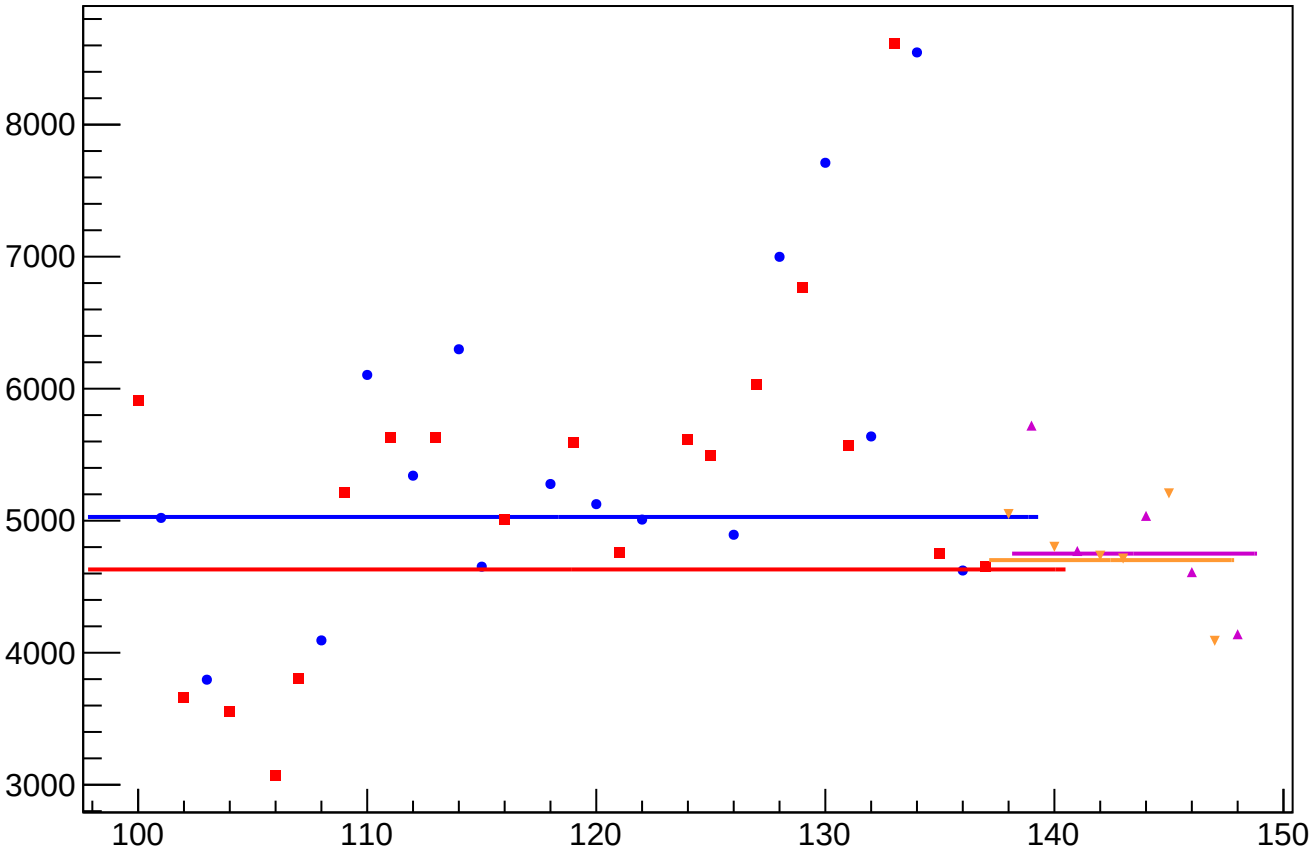
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1102.974+/-2291.588 χ^2/NDF:1.2/4

+ sign 957.305+/-1452.064 χ^2/NDF: 22.1/21

All: 504.642+/-1004.142 χ^2/NDF: 39.0/45

- sign 89.784+/-1390.104 χ^2/NDF: 16.7/23



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

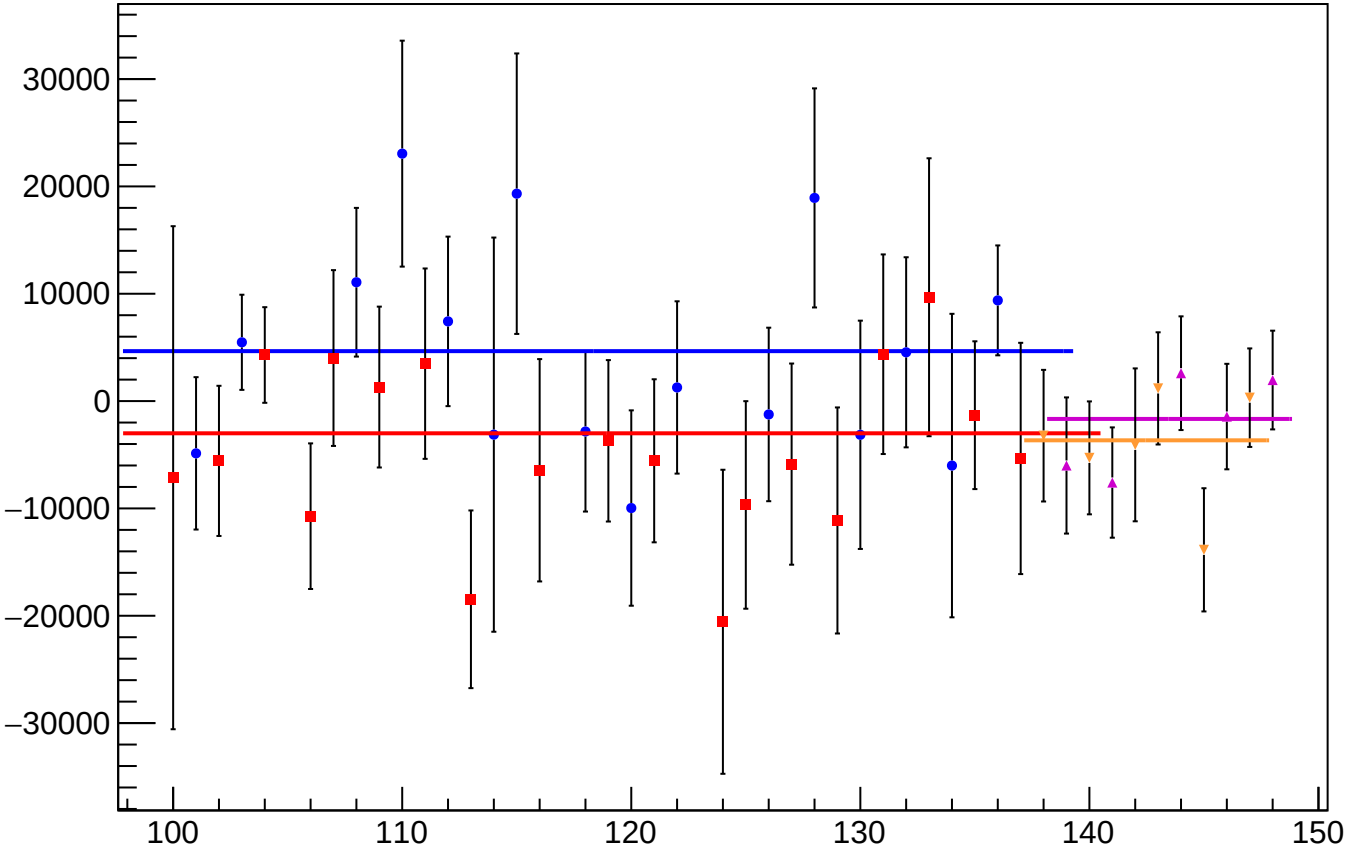
Left In: 4750.739+/-1.620 χ^2/NDF:92345.9/4

\+ sign 4889.748+/-1.027 χ^2/NDF: 650360.1/21

All: 4777.692+/-0.710 χ^2/NDF: 1632498.4/45

\- sign 4674.995+/-0.983 χ^2/NDF: 959312.2/23

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

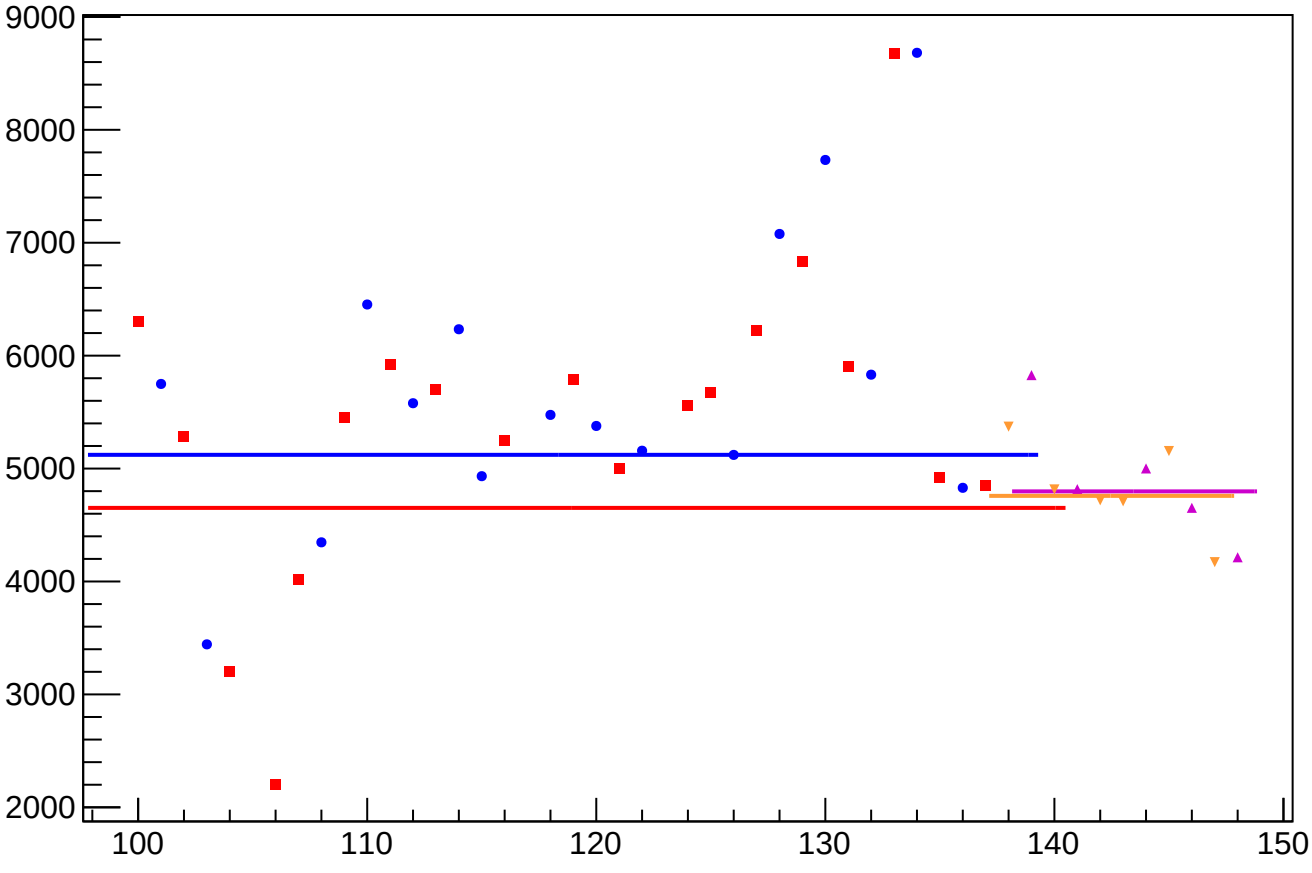
Left In: -1662.975+/-2312.129 χ^2/NDF:3.1/4

+ sign 1078.252+/-1478.279 χ^2/NDF: 28.1/21

All: -716.700+/-1038.771 χ^2/NDF: 48.2/45

- sign -2467.489+/-1459.980 χ^2/NDF: 17.1/23

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

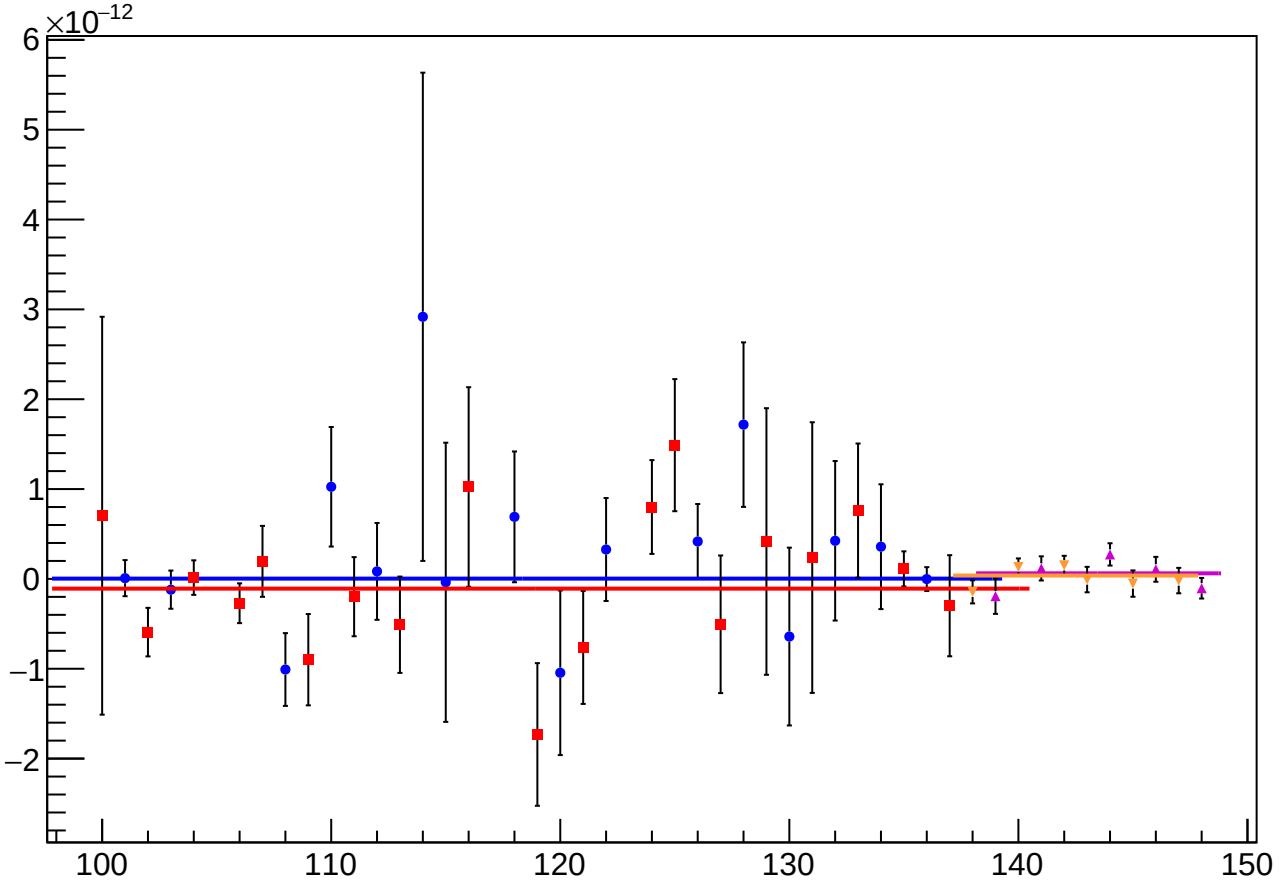
Left In: 4797.957+/-1.635 χ^2/NDF:89628.9/4

+ sign 4965.268+/-1.045 χ^2/NDF: 812768.6/21

All: 4831.611+/-0.726 χ^2/NDF: 2283777.6/45

- sign 4707.316+/-1.008 χ^2/NDF: 1439455.6/23

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

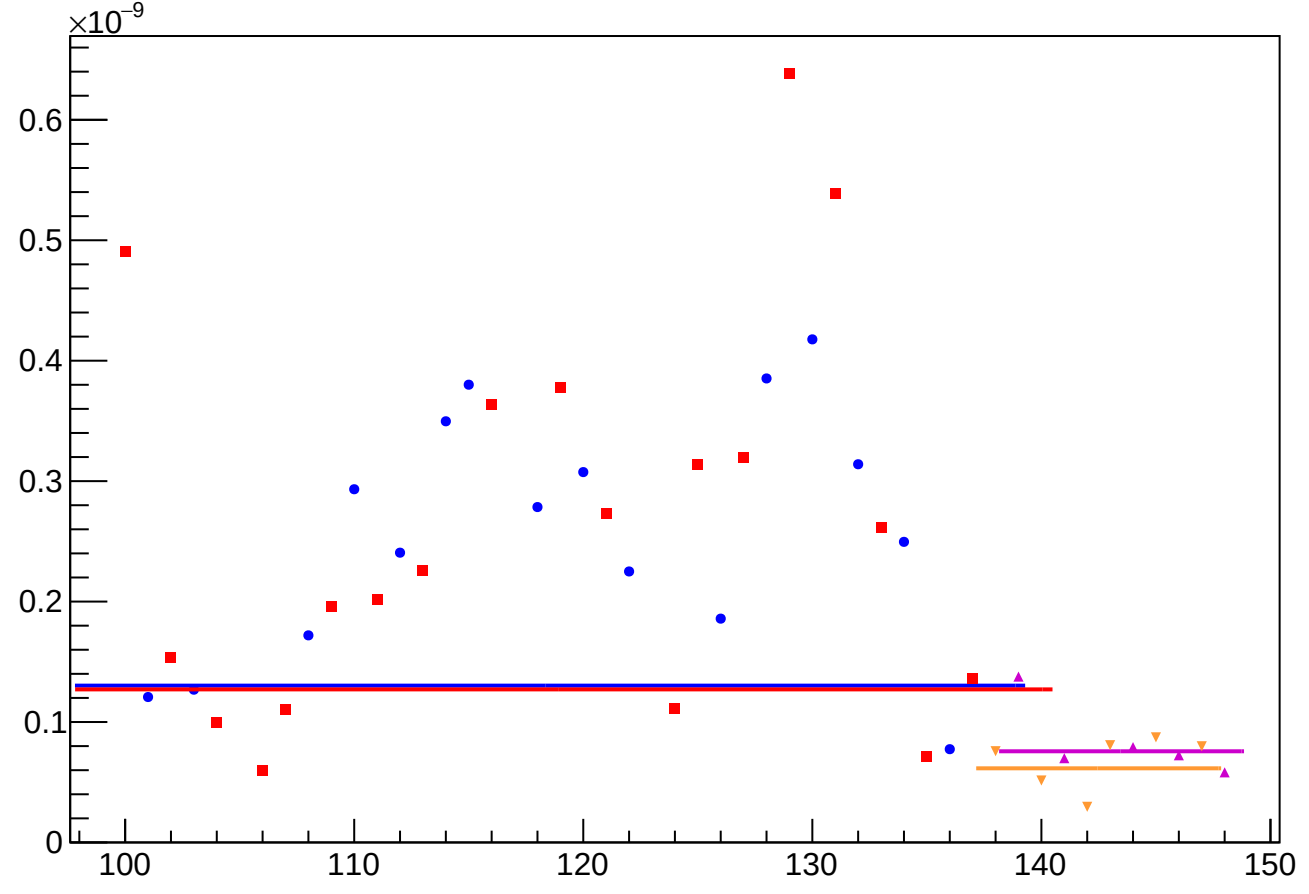
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/21

All: 0.000+/-0.000 χ^2/NDF: 57.5/45

- sign 0.000+/-0.000 χ^2/NDF: 34.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:358891.3/5

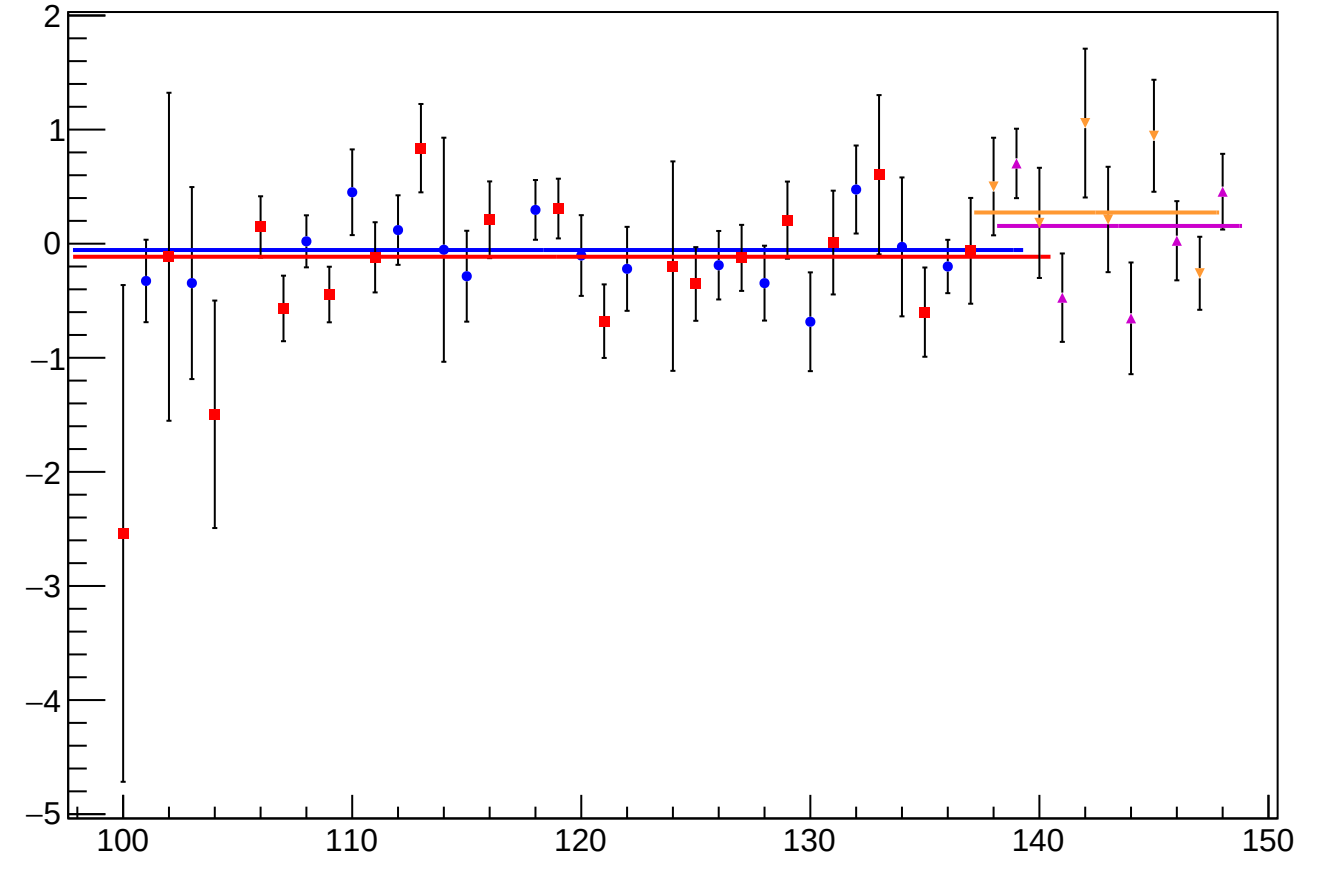
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:250085.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2634980.9/21

All: 0.000+/-0.000 χ^2/NDF: 5150944.4/45

- sign 0.000+/-0.000 χ^2/NDF: 2436824.0/23



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

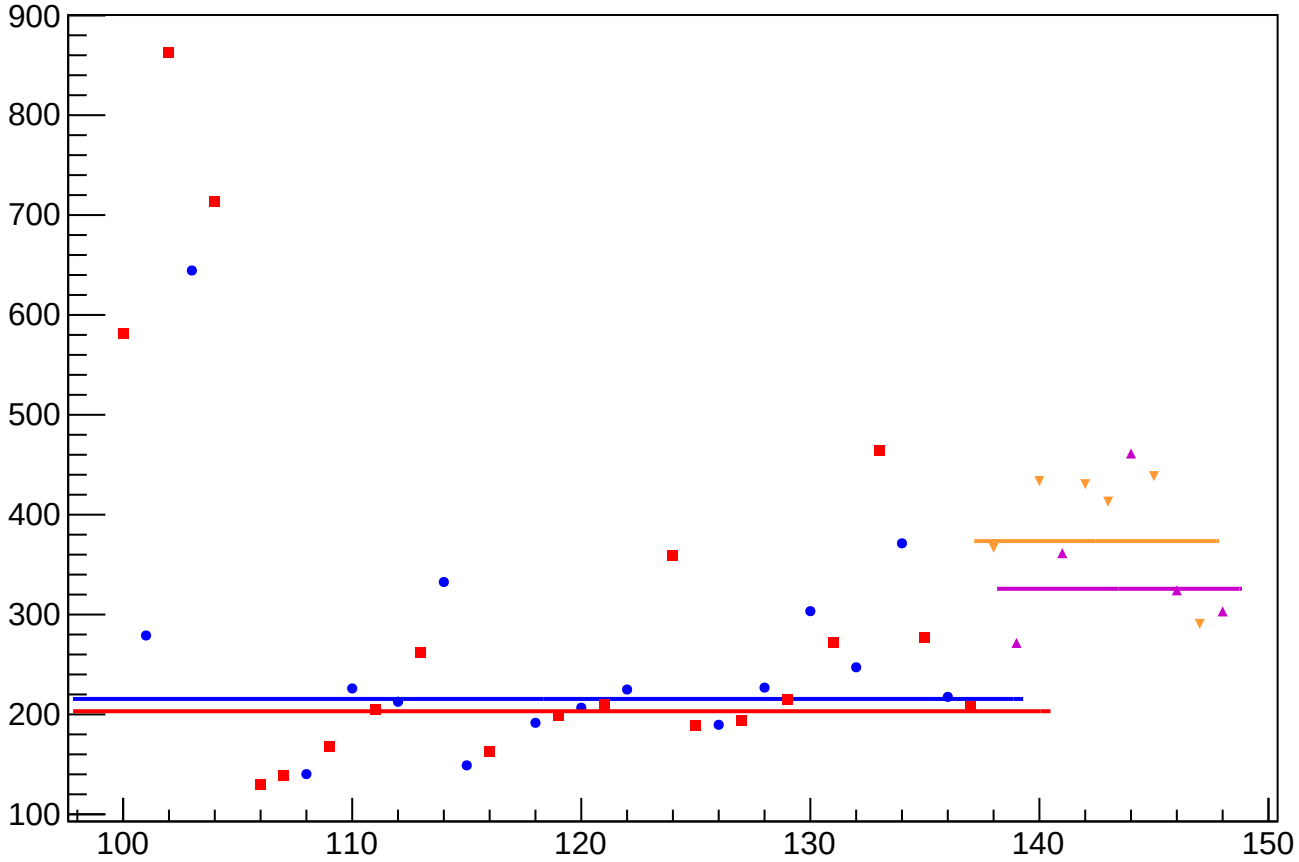
Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

\+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.028+/-0.053 χ^2/NDF: 57.2/45

\- sign -0.057+/-0.074 χ^2/NDF: 37.0/23

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

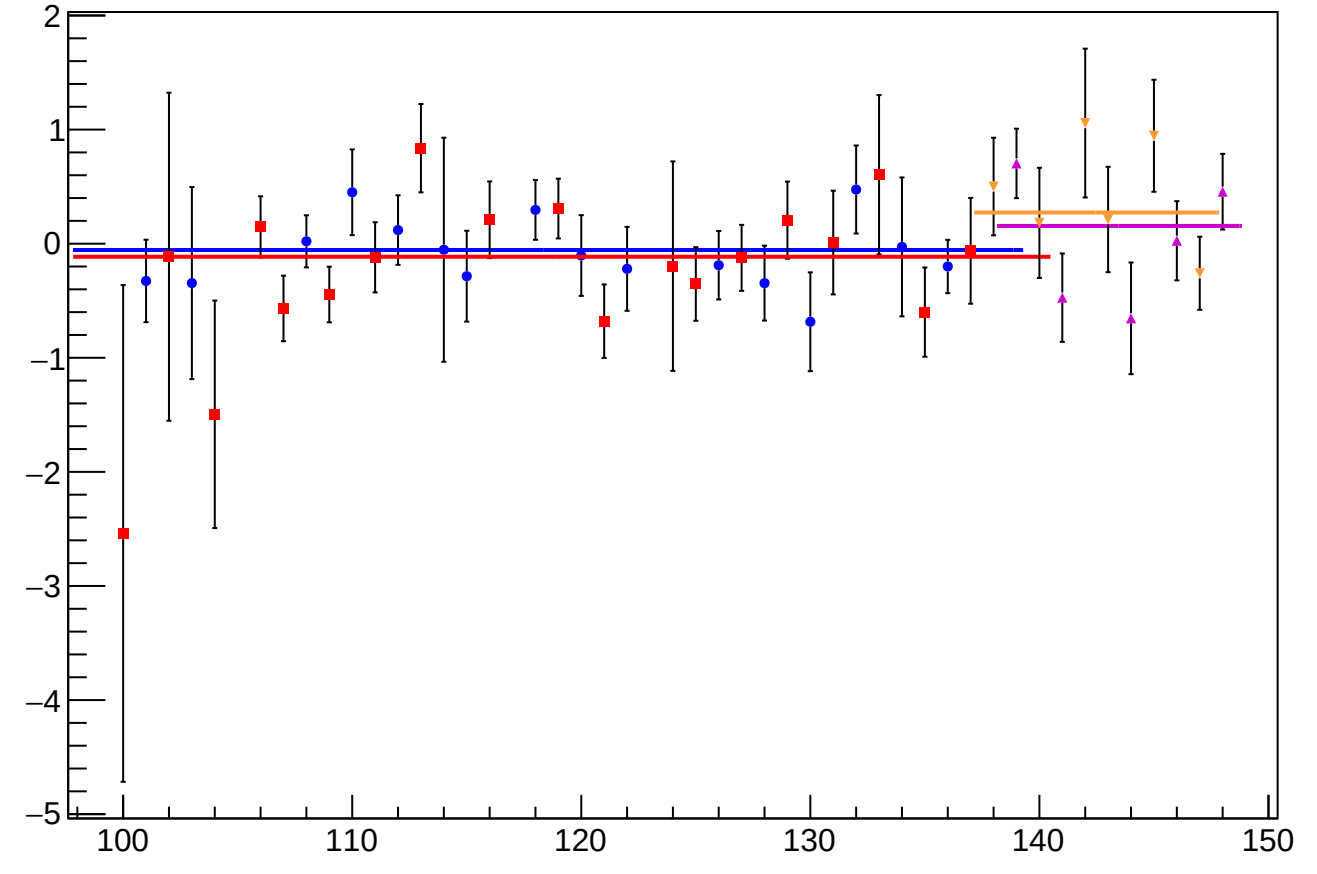
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

+ sign 244.477+/-0.055 χ^2/NDF: 2632680.1/21

All: 236.539+/-0.038 χ^2/NDF: 5674936.3/45

- sign 229.285+/-0.052 χ^2/NDF: 3001827.3/23



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

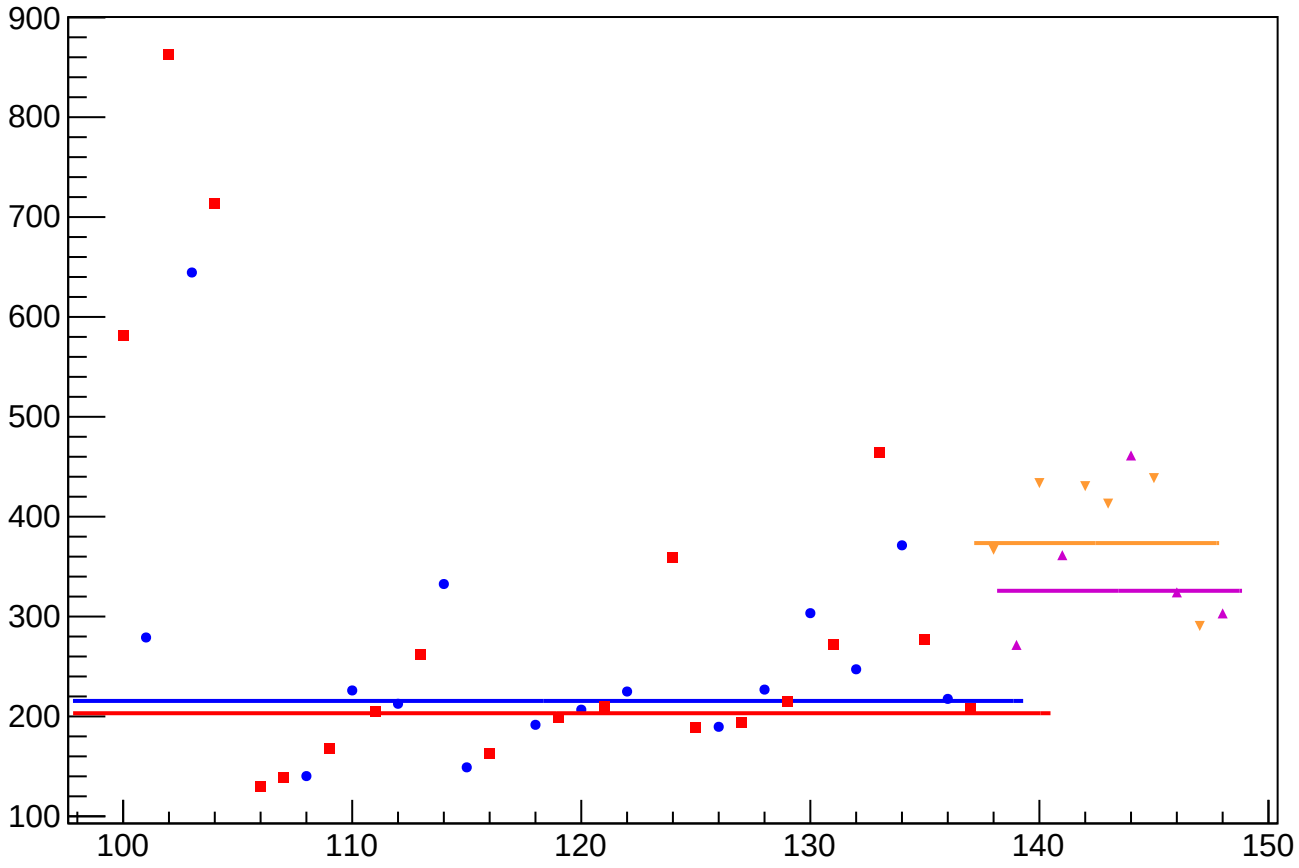
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.028+/-0.053 χ^2/NDF: 57.2/45

- sign -0.057+/-0.074 χ^2/NDF: 37.0/23



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

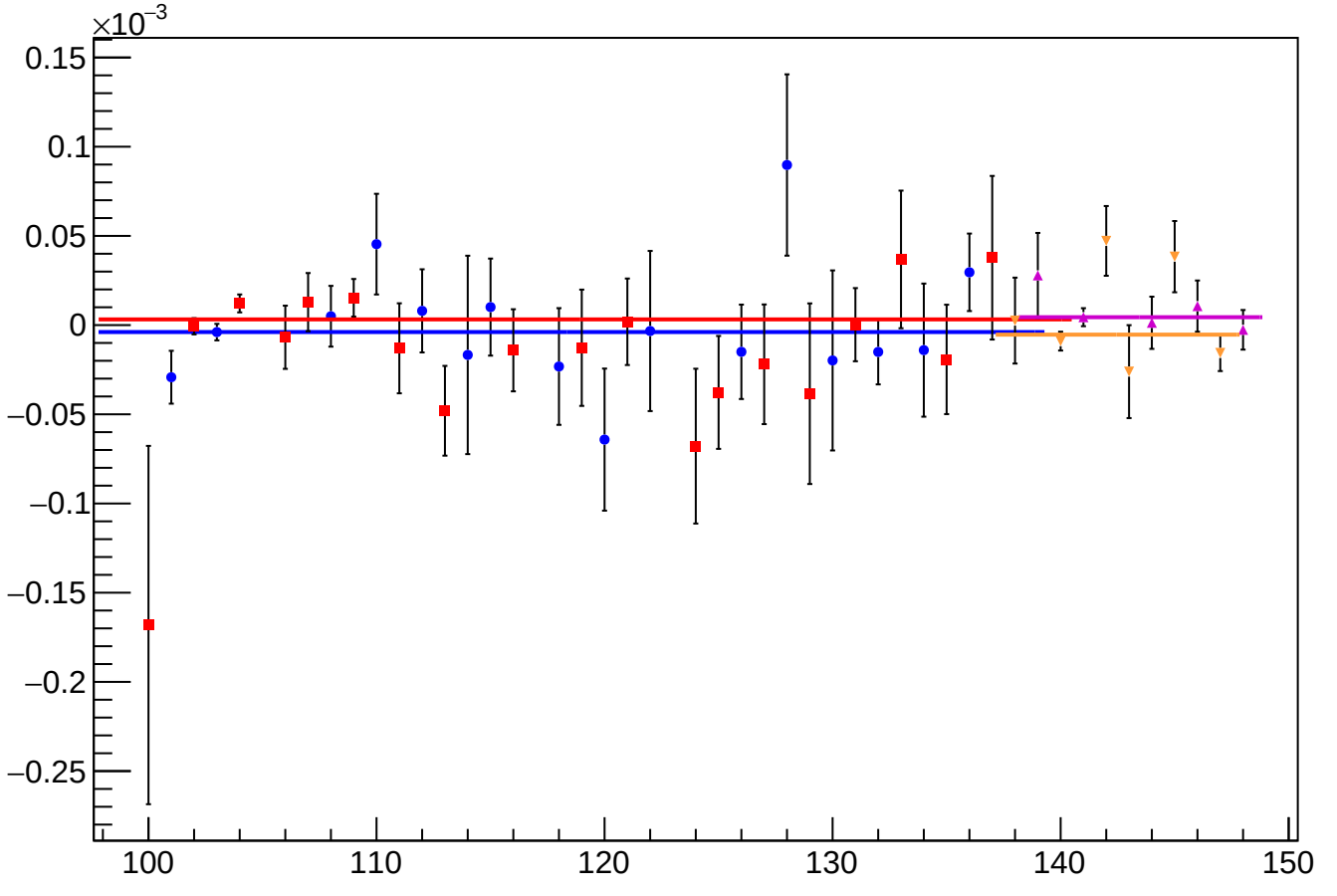
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

+ sign 244.477+/-0.055 χ^2/NDF: 2632680.1/21

All: 236.539+/-0.038 χ^2/NDF: 5674936.3/45

- sign 229.285+/-0.052 χ^2/NDF: 3001827.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/5

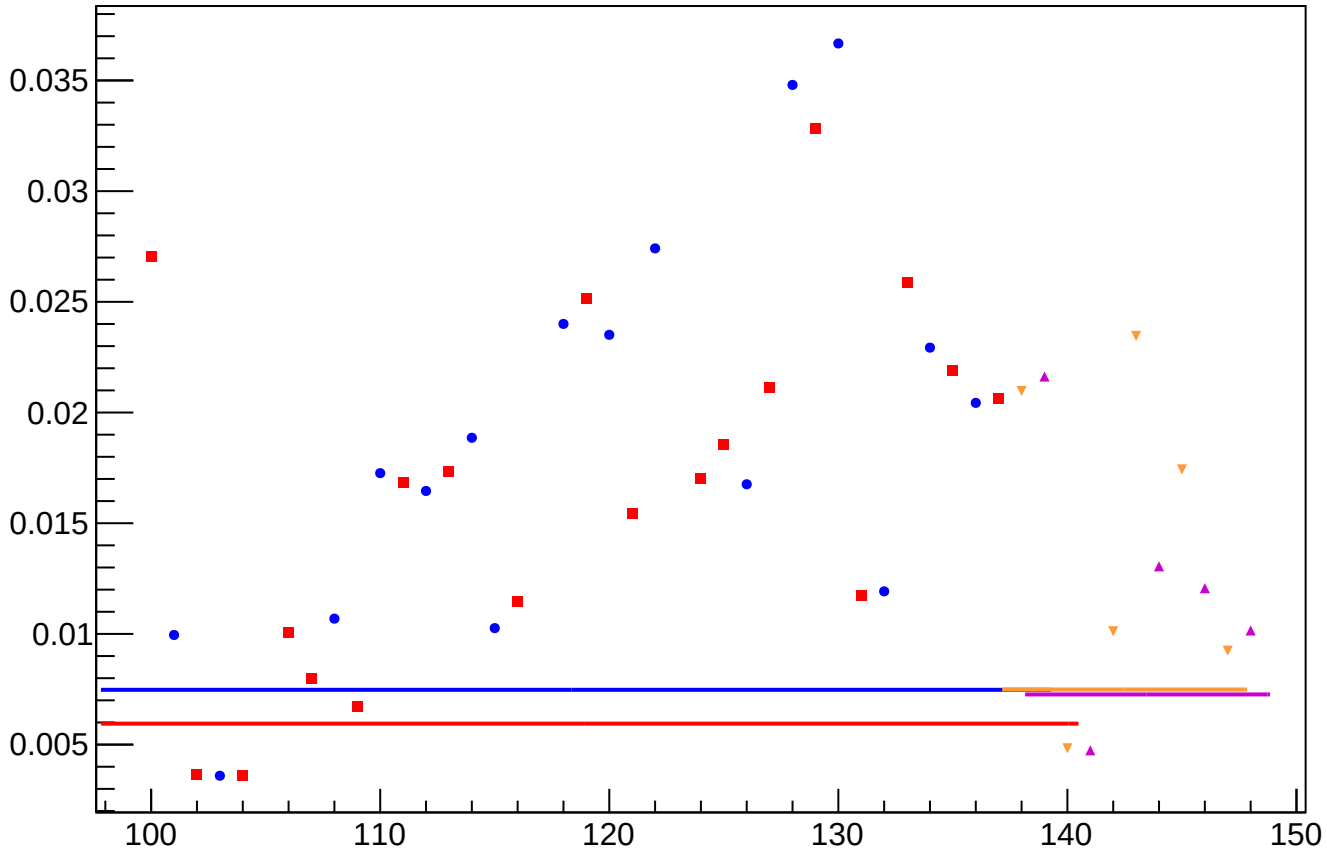
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/21

All: 0.000+/-0.000 χ^2/NDF: 58.4/45

- sign 0.000+/-0.000 χ^2/NDF: 23.3/23



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2478768.7/5

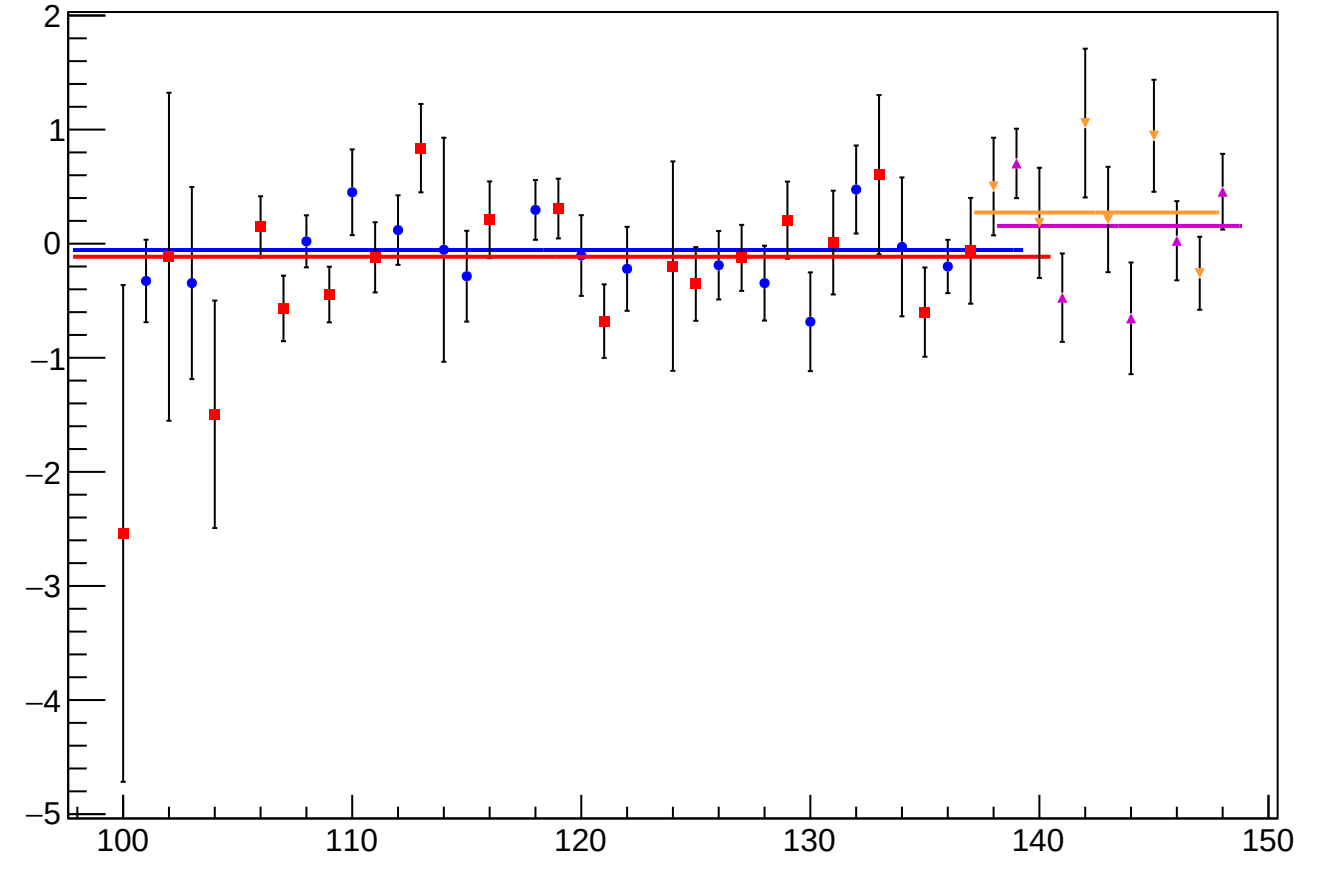
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1900337.4/4

+ sign 0.007+/-0.000 χ^2/NDF: 8554979.6/21

All: 0.007+/-0.000 χ^2/NDF: 16702405.5/45

- sign 0.006+/-0.000 χ^2/NDF: 7971187.6/23



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

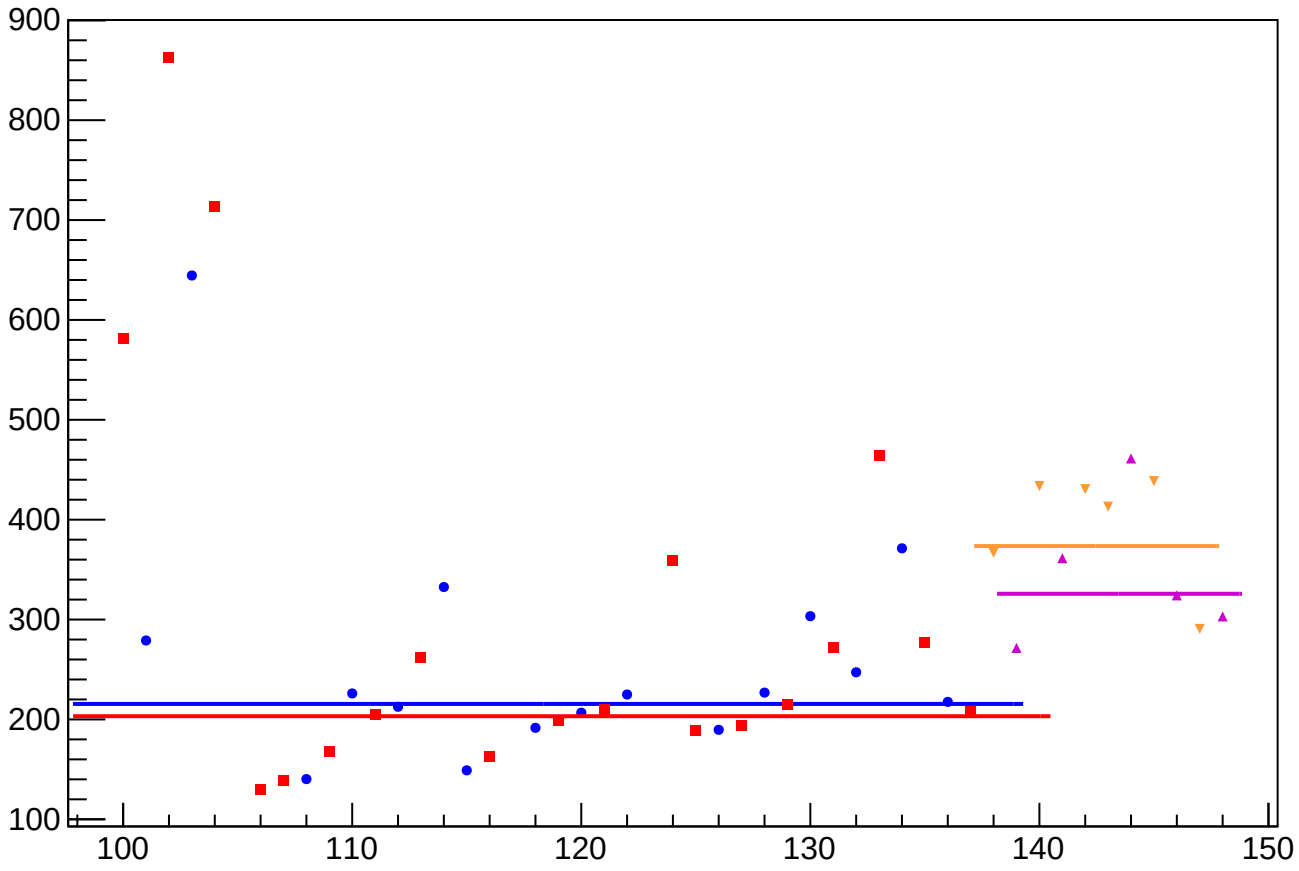
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.028+/-0.053 χ^2/NDF: 57.2/45

- sign -0.057+/-0.074 χ^2/NDF: 37.0/23



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

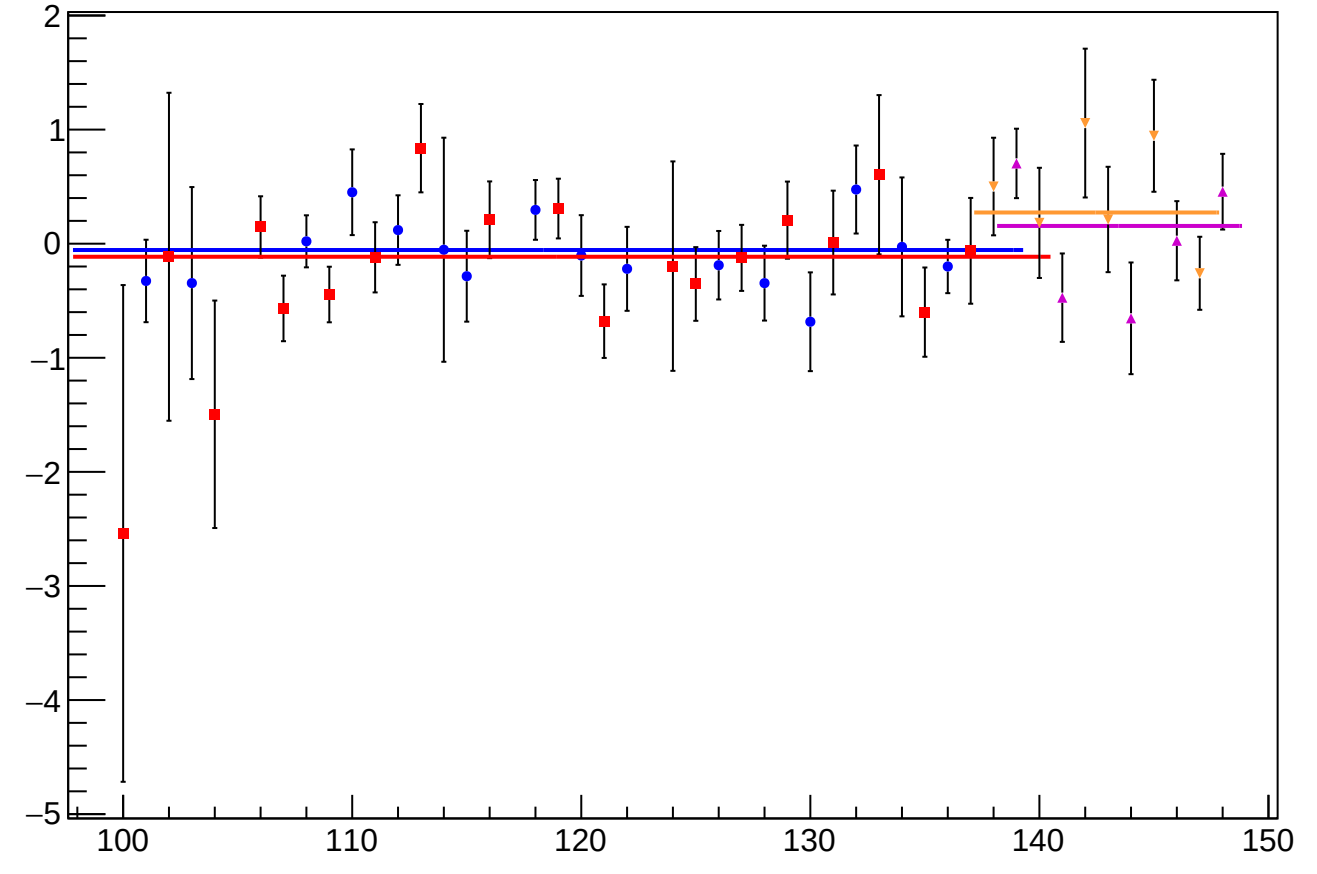
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

+ sign 244.476+/-0.055 χ^2/NDF: 2632721.5/21

All: 236.538+/-0.038 χ^2/NDF: 5675027.7/45

- sign 229.284+/-0.052 χ^2/NDF: 3001876.8/23



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

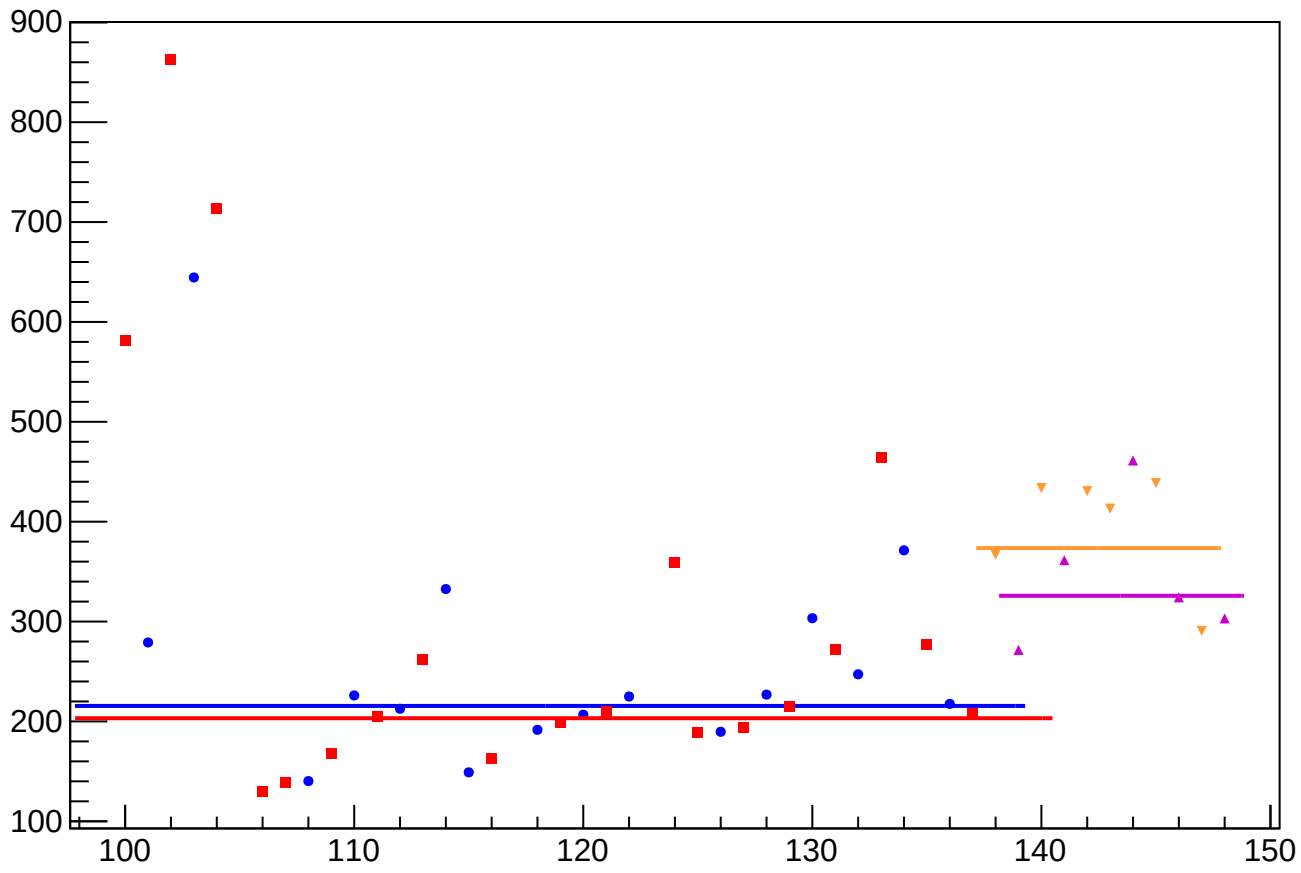
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.005+/-0.077 χ^2/NDF: 19.8/21

All: -0.028+/-0.053 χ^2/NDF: 57.2/45

- sign -0.057+/-0.074 χ^2/NDF: 37.0/23



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

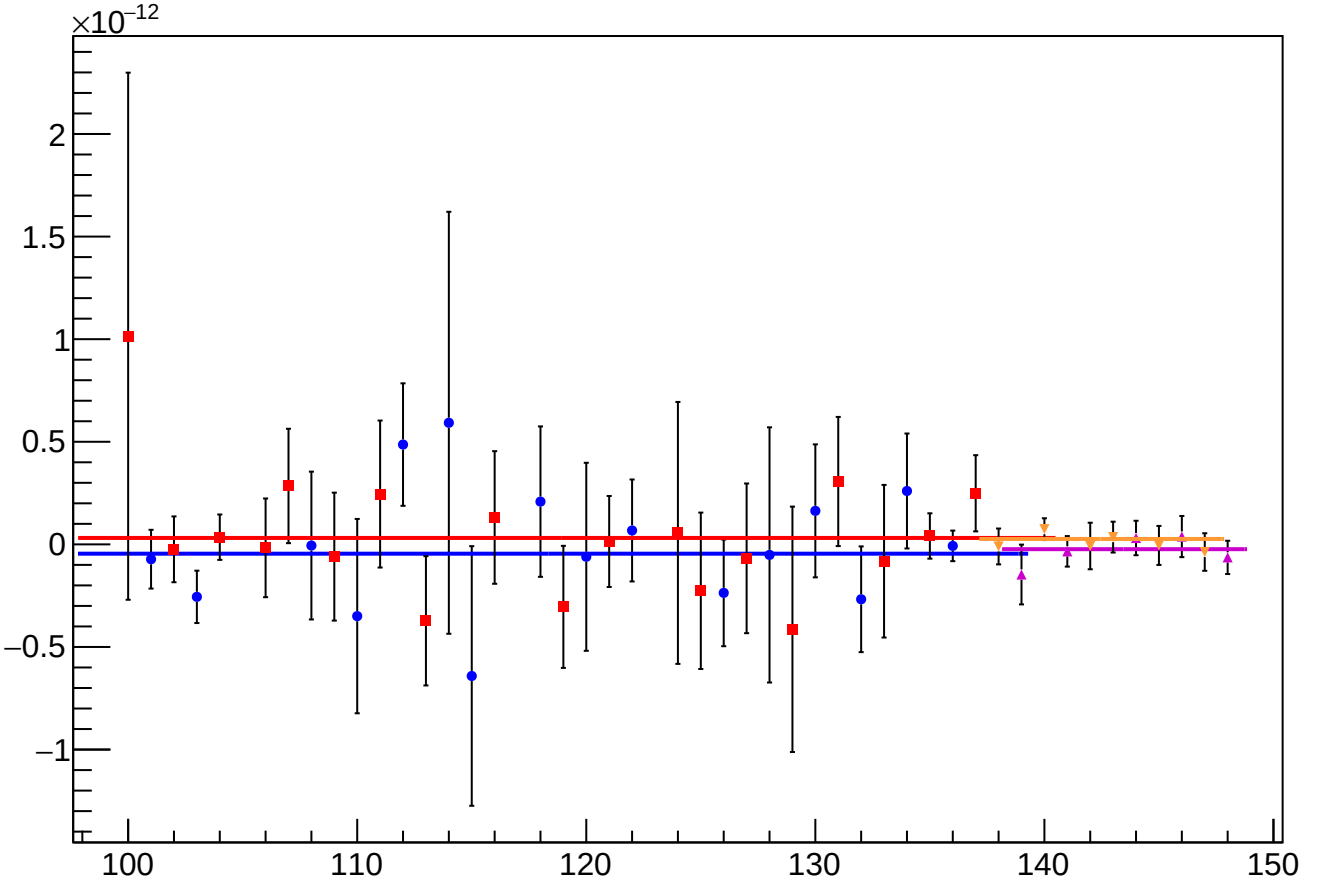
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

+ sign 244.476+/-0.055 χ^2/NDF: 2632721.5/21

All: 236.538+/-0.038 χ^2/NDF: 5675027.7/45

- sign 229.284+/-0.052 χ^2/NDF: 3001876.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/5

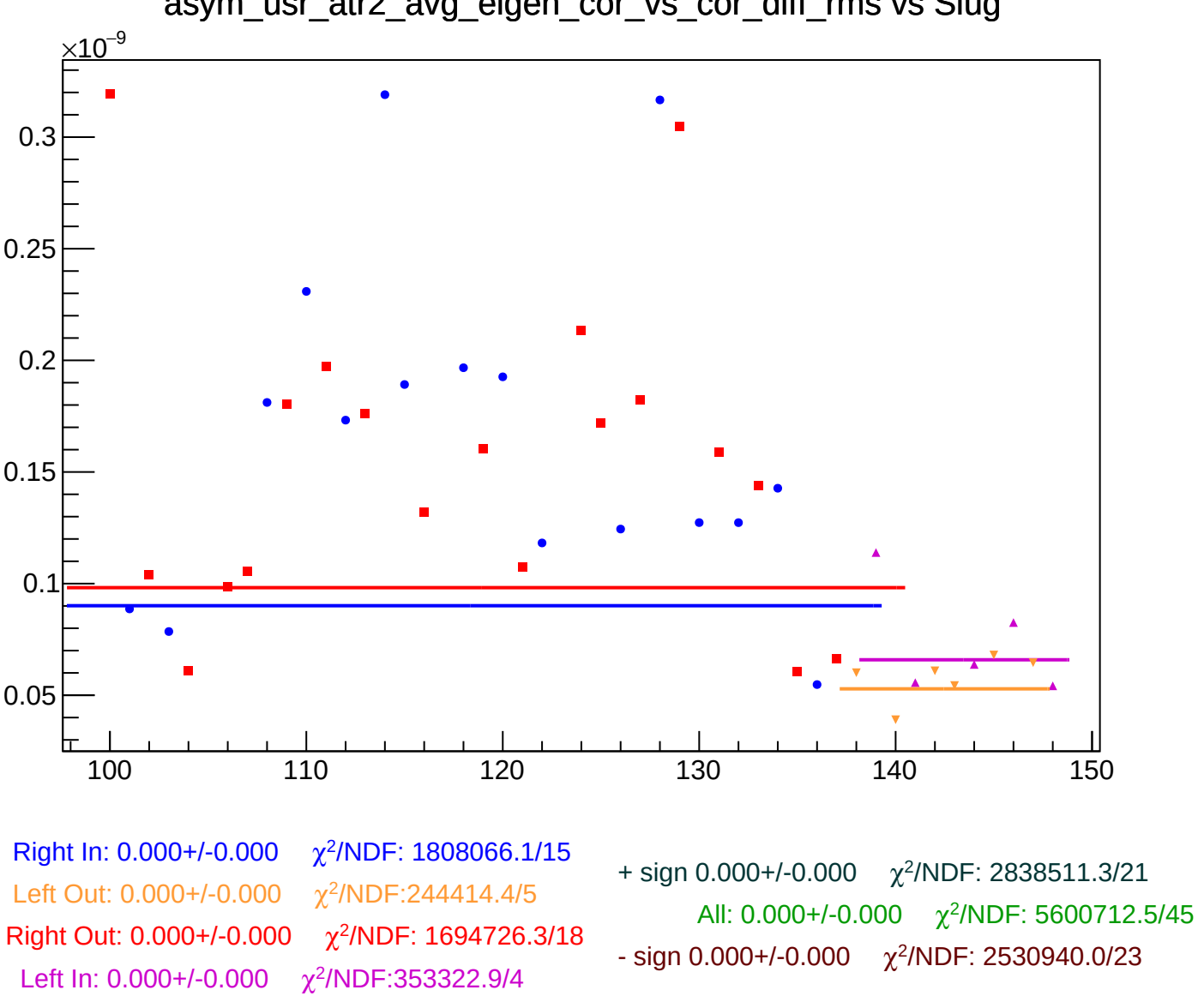
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

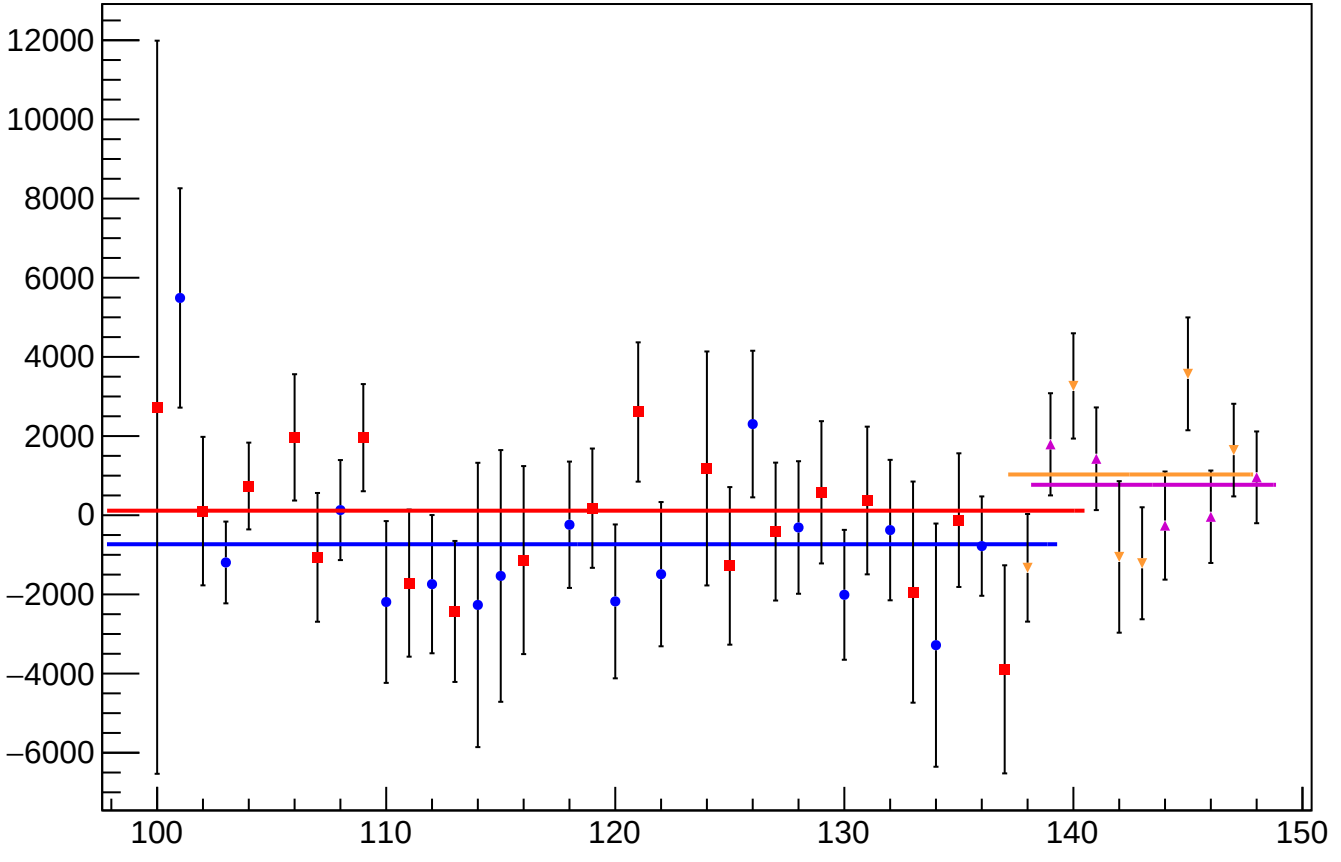
+ sign 0.000+/-0.000 χ^2/NDF: 14.6/21

All: 0.000+/-0.000 χ^2/NDF: 25.5/45

- sign -0.000+/-0.000 χ^2/NDF: 10.8/23


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:244414.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:353322.9/4
+ sign 0.000+/-0.000 χ²/NDF: 2838511.3/21
All: 0.000+/-0.000 χ²/NDF: 5600712.5/45
- sign 0.000+/-0.000 χ²/NDF: 2530940.0/23

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

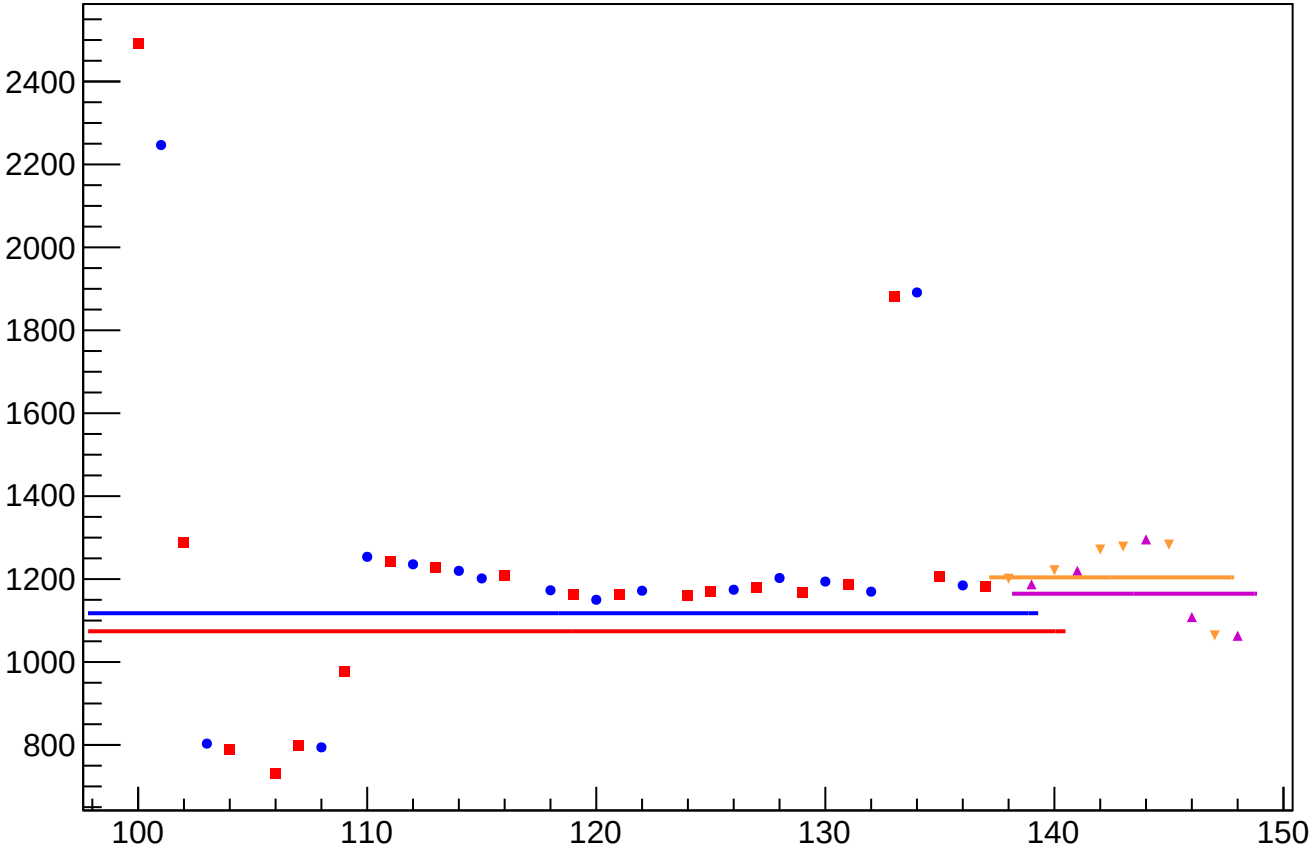
Left In: 769.175+/-558.260 χ^2/NDF:2.0/4

+ sign -95.348+/-341.470 χ^2/NDF: 30.8/21

All: 131.691+/-237.744 χ^2/NDF: 47.7/45

- sign 345.284+/-331.205 χ^2/NDF: 16.0/23

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

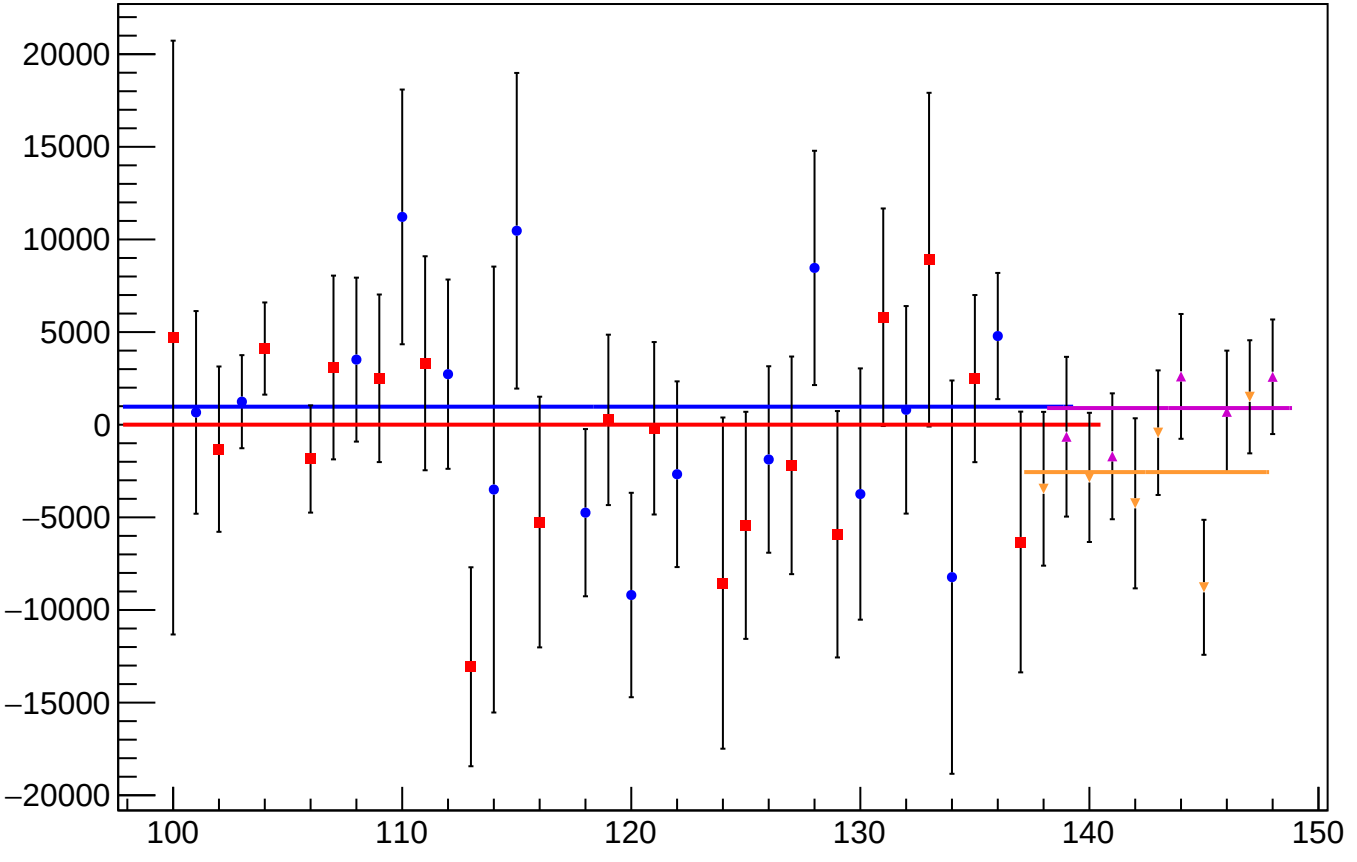
Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1148.940+/-0.241 χ^2/NDF: 892444.1/21

All: 1126.540+/-0.168 χ^2/NDF: 1635544.9/45

- sign 1105.692+/-0.233 χ^2/NDF: 726484.0/23

asym_usr_atr2_dd_reg_correction_mean vs Slug



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

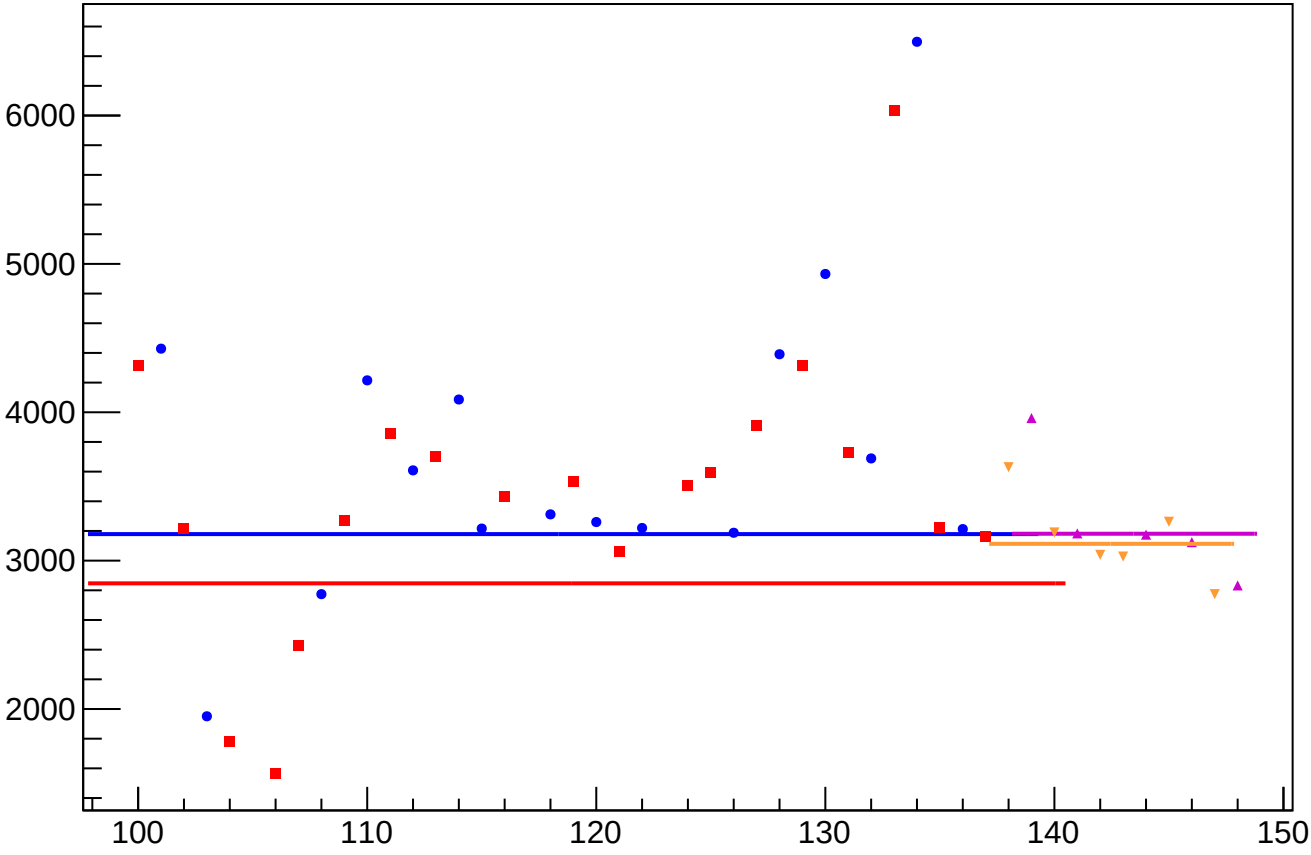
Left In: 899.262+/-1534.166 χ^2/NDF:1.3/4

+ sign -477.008+/-946.201 χ^2/NDF: 22.5/21

All: -63.209+/-652.638 χ^2/NDF: 40.9/45

- sign 312.306+/-901.368 χ^2/NDF: 18.1/23

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

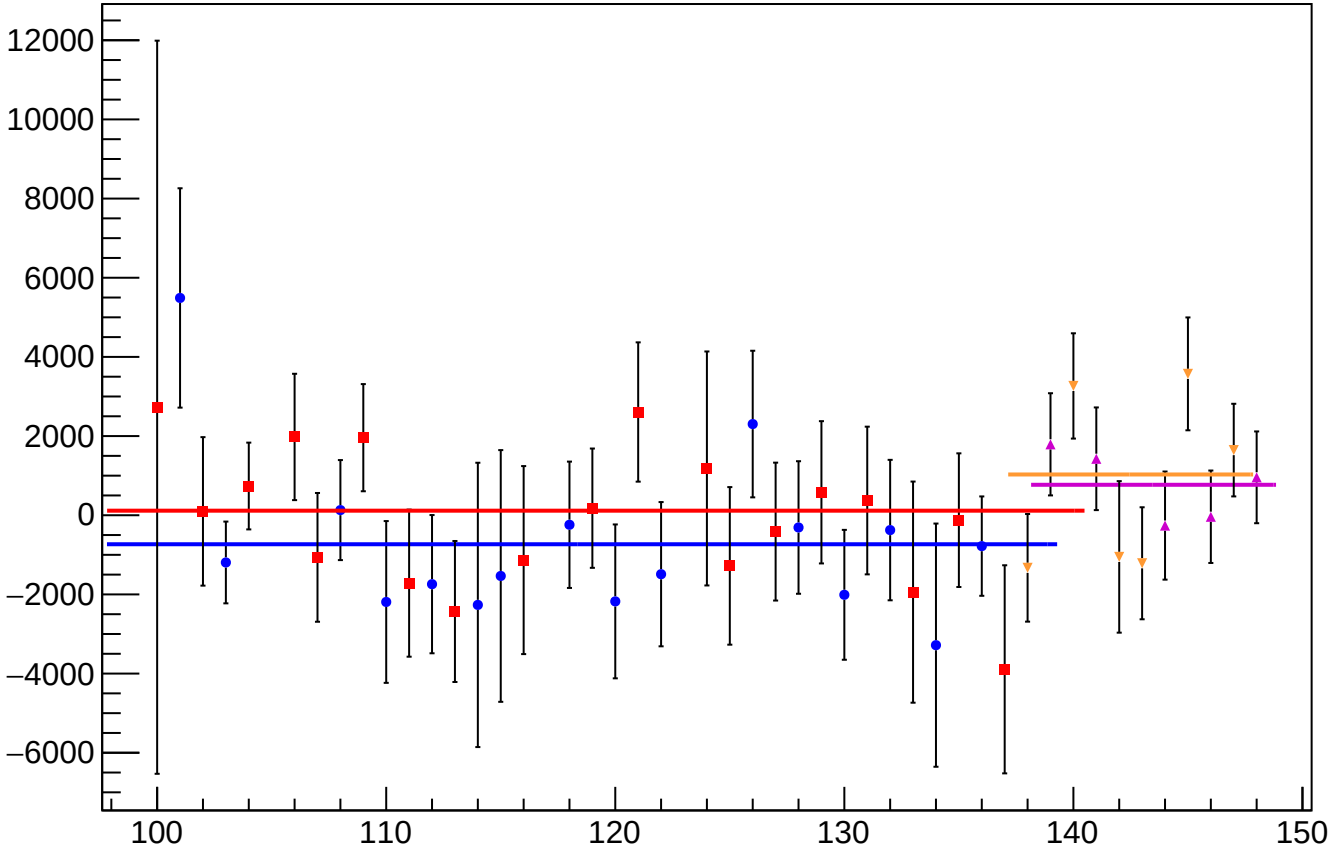
Left In: 3181.336+/-1.085 χ^2/NDF:91393.8/4

+ sign 3151.905+/-0.669 χ^2/NDF: 1155797.7/21

All: 3052.568+/-0.461 χ^2/NDF: 2862591.7/45

- sign 2962.420+/-0.637 χ^2/NDF: 1664745.2/23

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

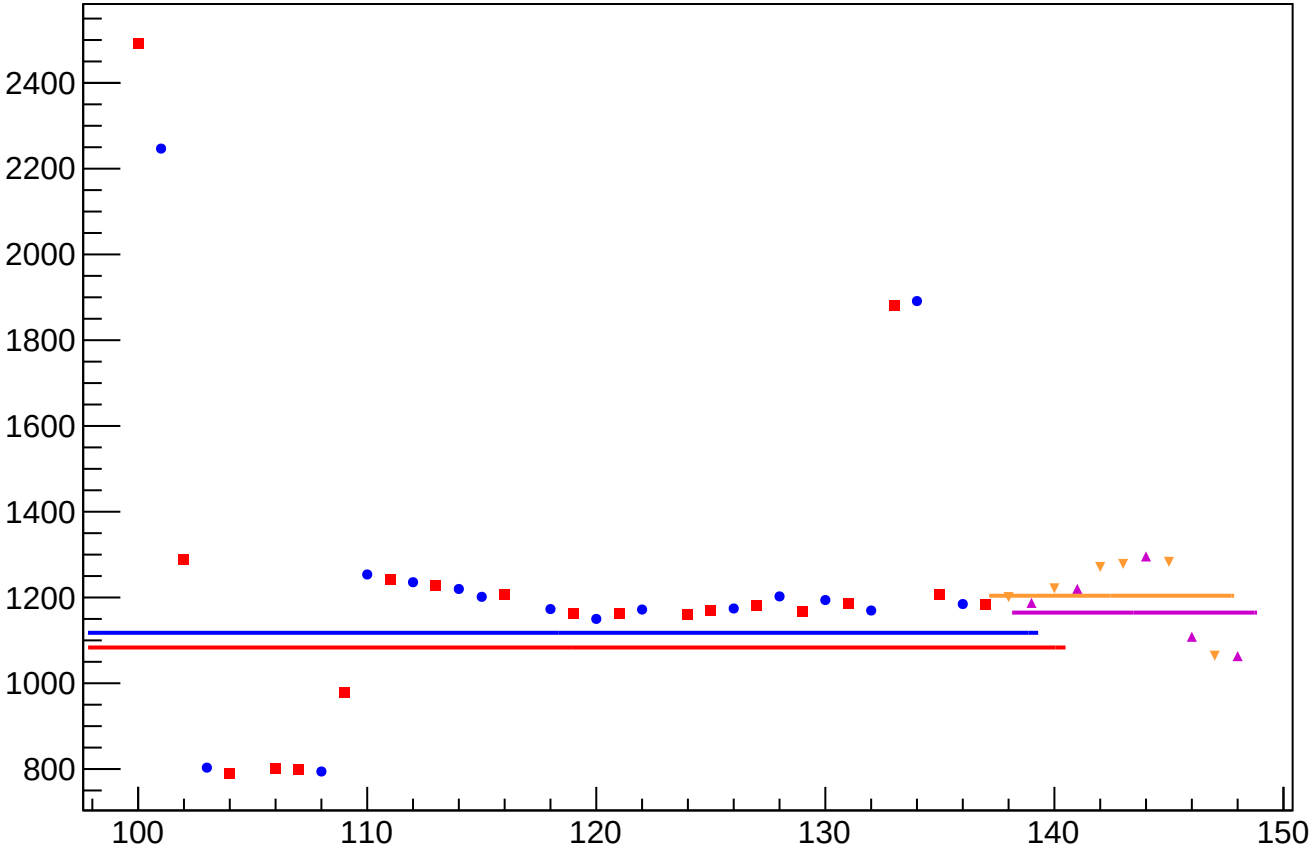
Left In: 769.331+/-558.260 χ^2/NDF:2.0/4

+ sign -95.307+/-341.470 χ^2/NDF: 30.8/21

All: 131.828+/-237.744 χ^2/NDF: 47.7/45

- sign 345.515+/-331.207 χ^2/NDF: 16.0/23

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

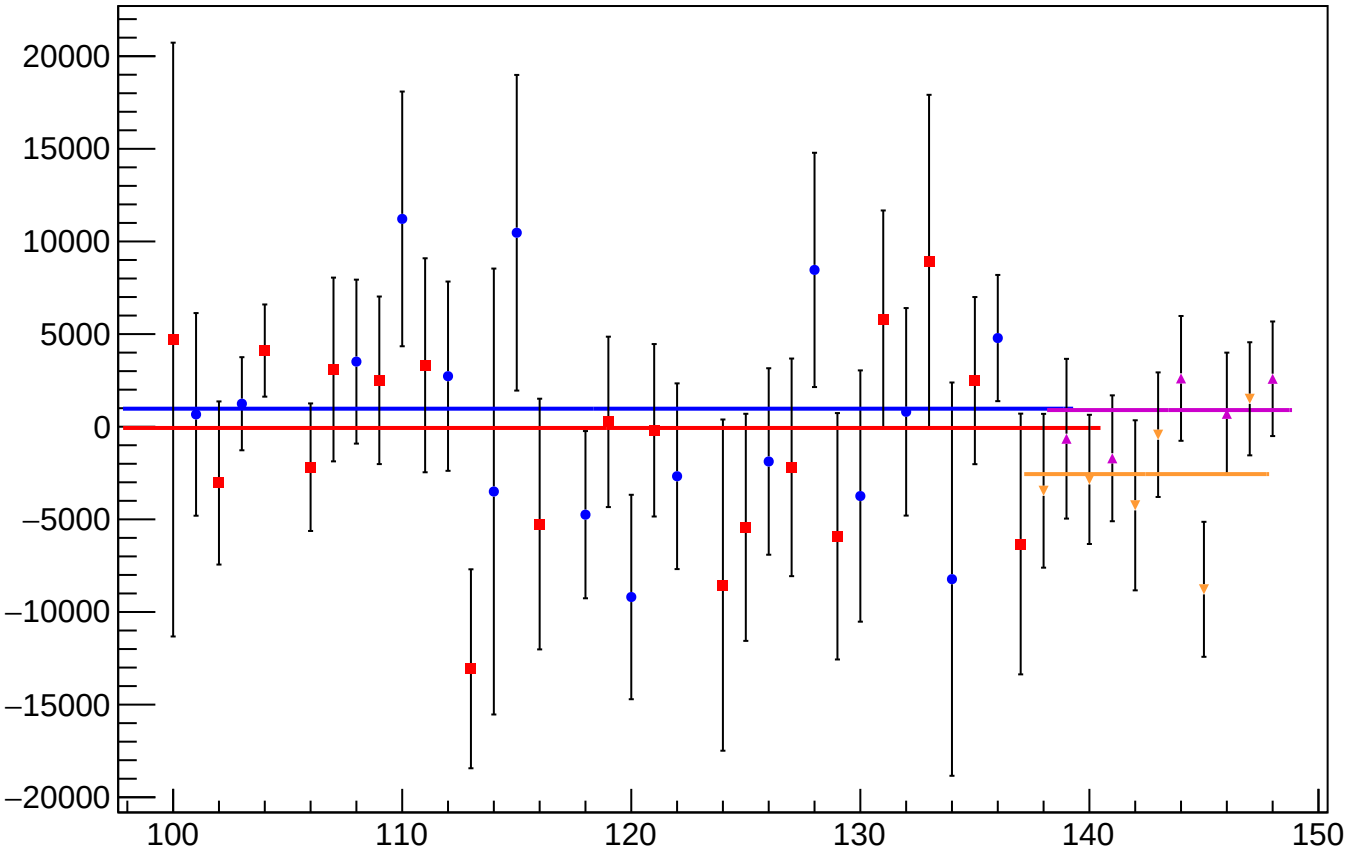
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1148.941+/-0.241 χ^2/NDF: 892440.3/21

All: 1129.870+/-0.168 χ^2/NDF: 1569733.4/45

- sign 1111.973+/-0.234 χ^2/NDF: 665200.6/23



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

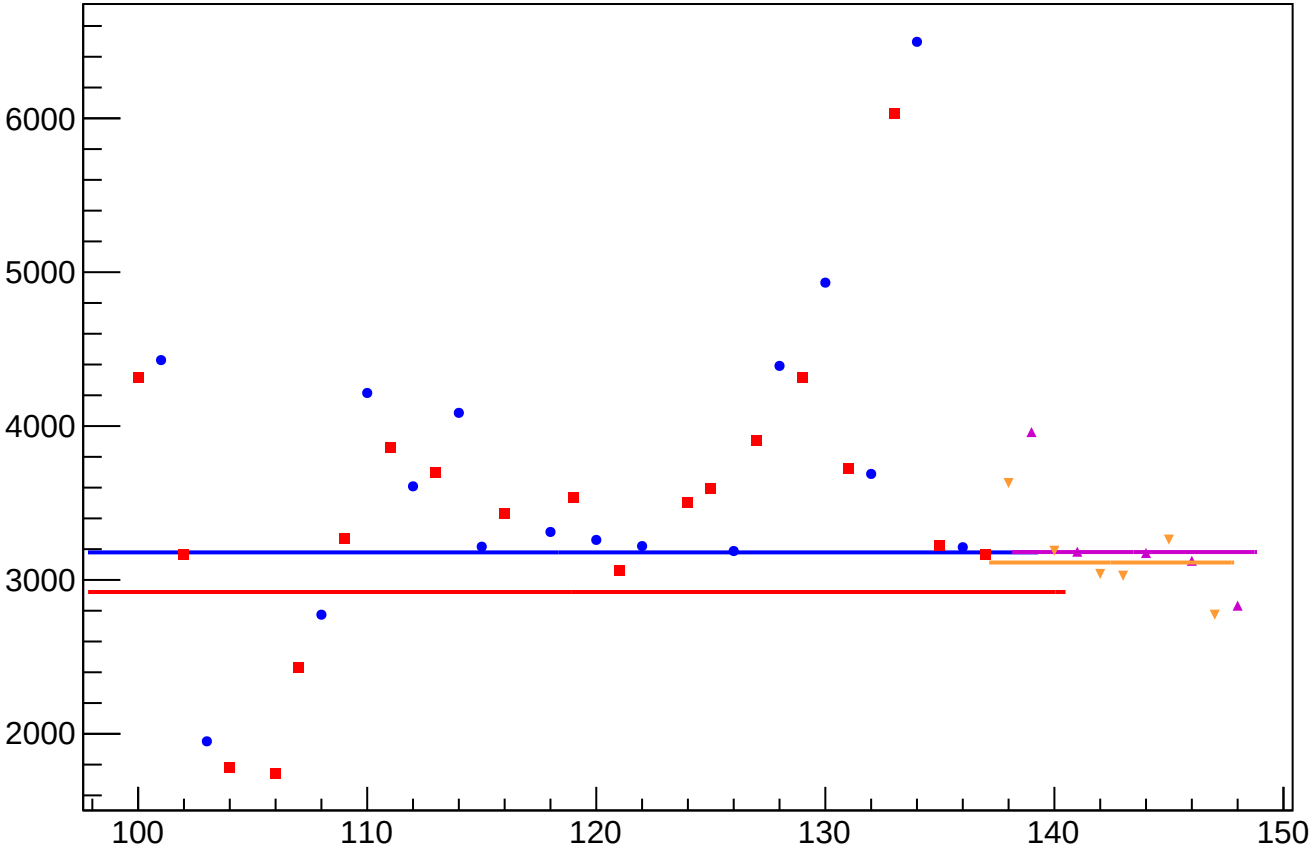
Left In: 899.302+/-1534.165 χ^2/NDF:1.3/4

\+ sign -477.350+/-946.222 χ^2/NDF: 22.5/21

All: -87.680+/-657.370 χ^2/NDF: 41.3/45

\- sign 275.857+/-913.941 χ^2/NDF: 18.5/23

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

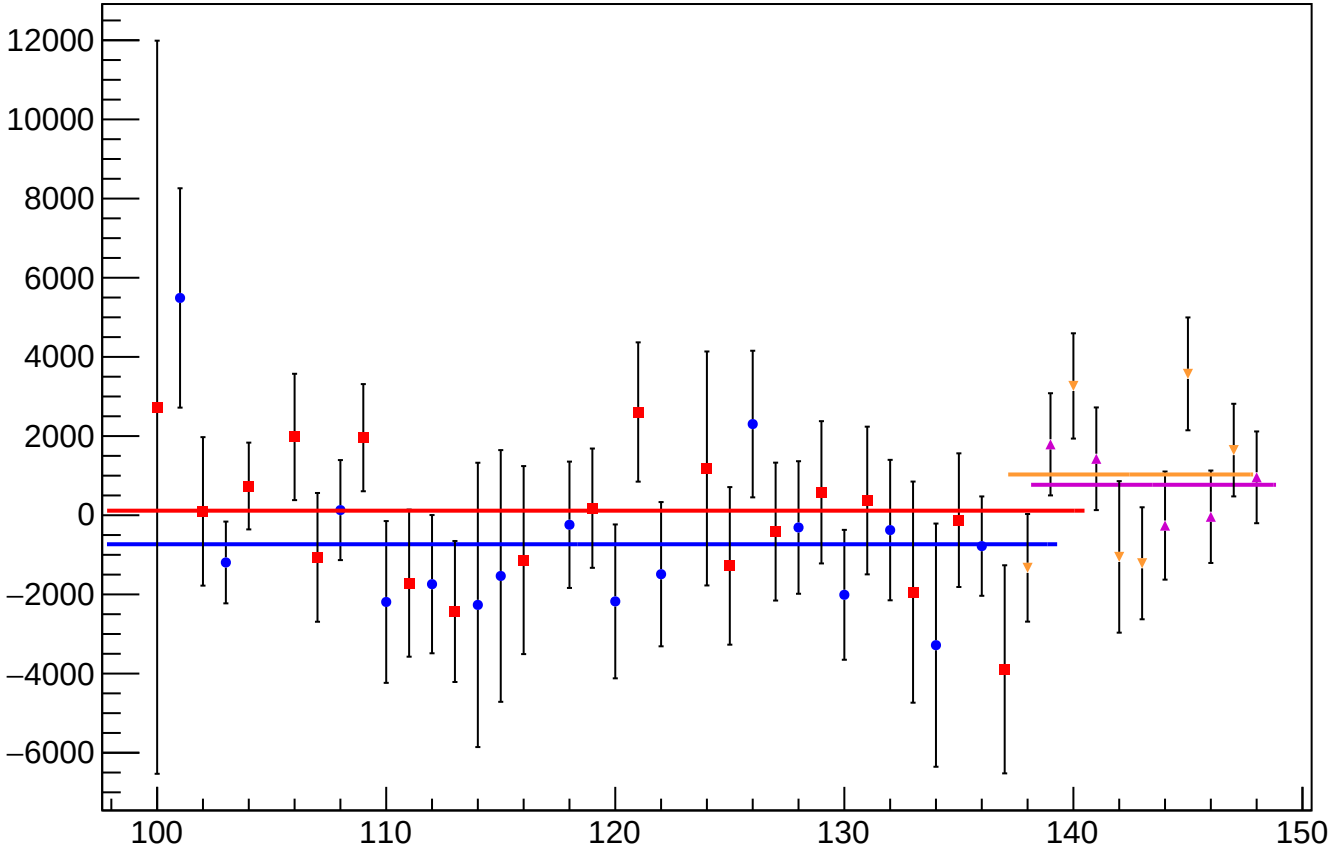
Left In: 3181.333+/-1.085 χ^2/NDF:91394.4/4

+ sign 3152.009+/-0.669 χ^2/NDF: 1155370.7/21

All: 3080.508+/-0.465 χ^2/NDF: 2618698.3/45

- sign 3013.803+/-0.646 χ^2/NDF: 1441253.5/23

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

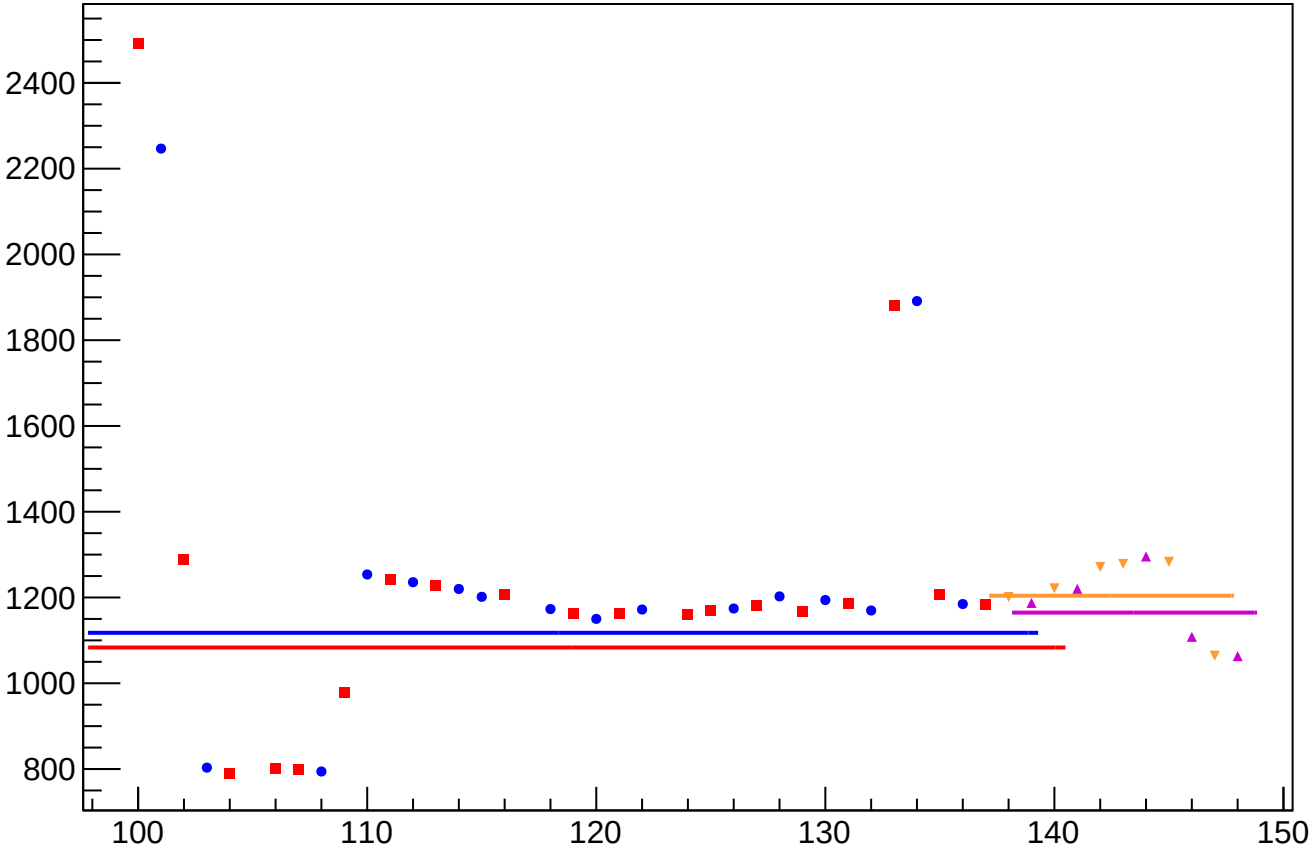
Left In: 769.331+/-558.260 χ^2/NDF:2.0/4

+ sign -95.307+/-341.470 χ^2/NDF: 30.8/21

All: 131.828+/-237.744 χ^2/NDF: 47.7/45

- sign 345.515+/-331.207 χ^2/NDF: 16.0/23

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

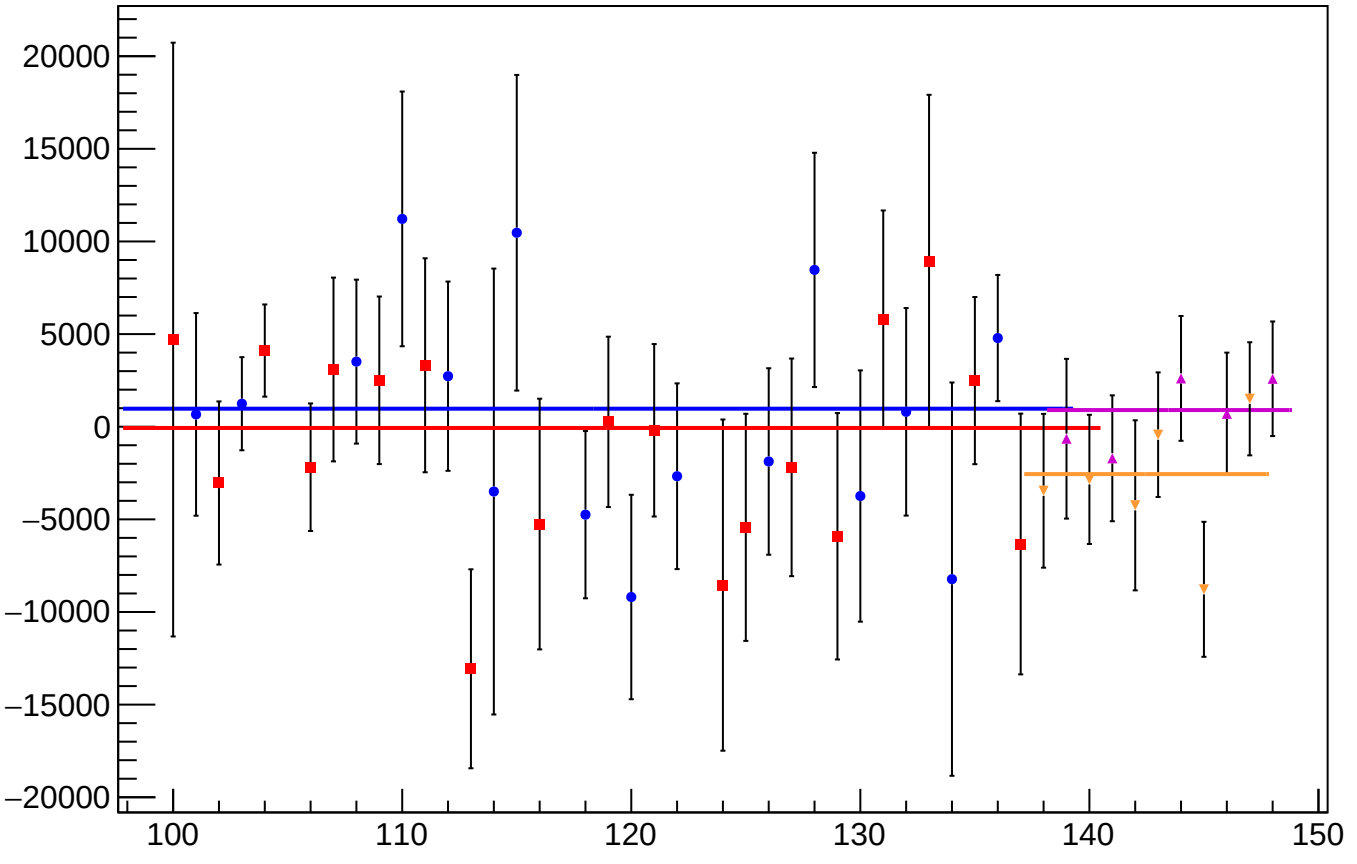
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1148.941+/-0.241 χ^2/NDF: 892440.3/21

All: 1129.870+/-0.168 χ^2/NDF: 1569733.4/45

- sign 1111.973+/-0.234 χ^2/NDF: 665200.6/23



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2557.169+/-1476.154 χ^2/NDF:5.3/5

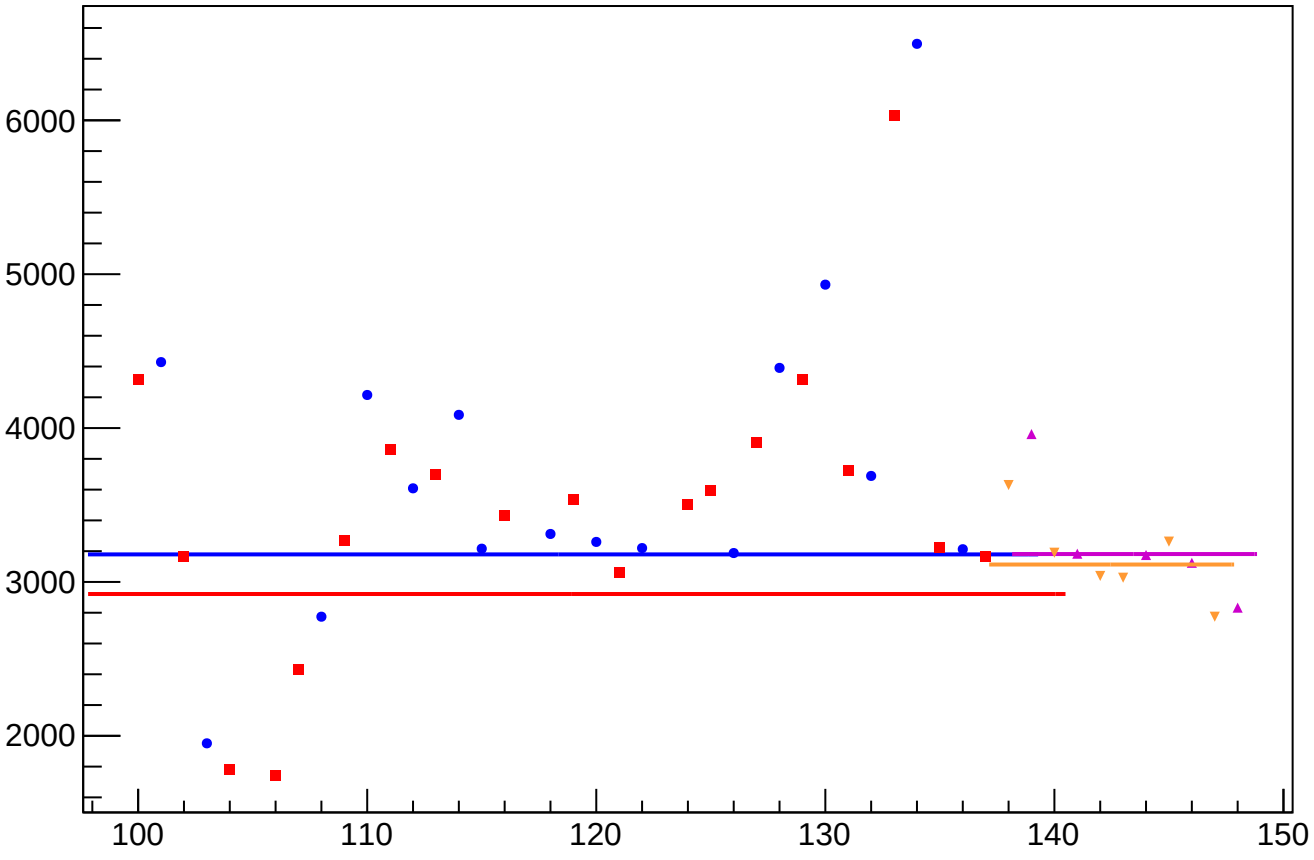
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 899.302+/-1534.165 χ^2/NDF:1.3/4

\+ sign -477.350+/-946.222 χ^2/NDF: 22.5/21

All: -87.680+/-657.370 χ^2/NDF: 41.3/45

\- sign 275.857+/-913.941 χ^2/NDF: 18.5/23



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

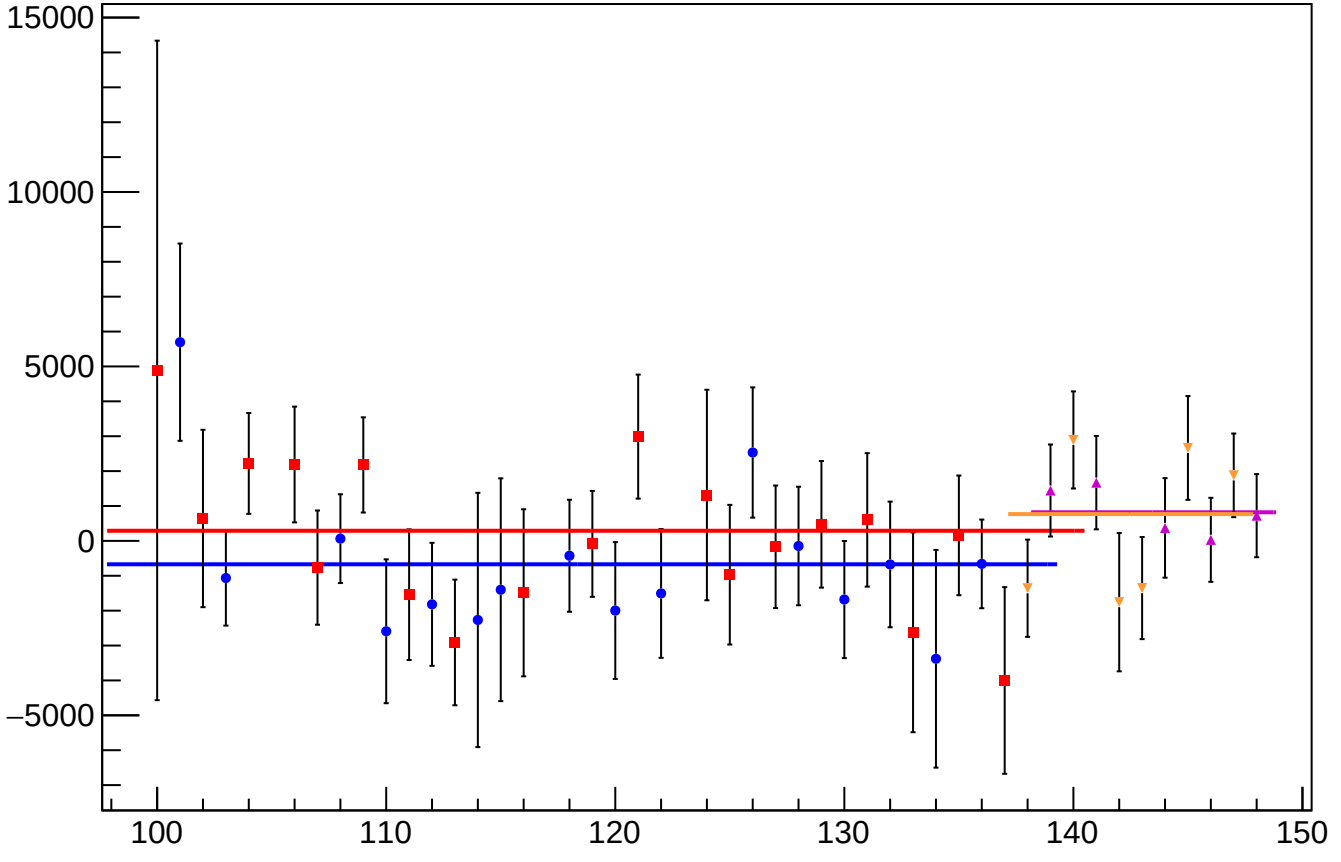
Left In: 3181.333+/-1.085 χ^2/NDF:91394.4/4

+ sign 3152.009+/-0.669 χ^2/NDF: 1155370.7/21

All: 3080.508+/-0.465 χ^2/NDF: 2618698.3/45

- sign 3013.803+/-0.646 χ^2/NDF: 1441253.5/23

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

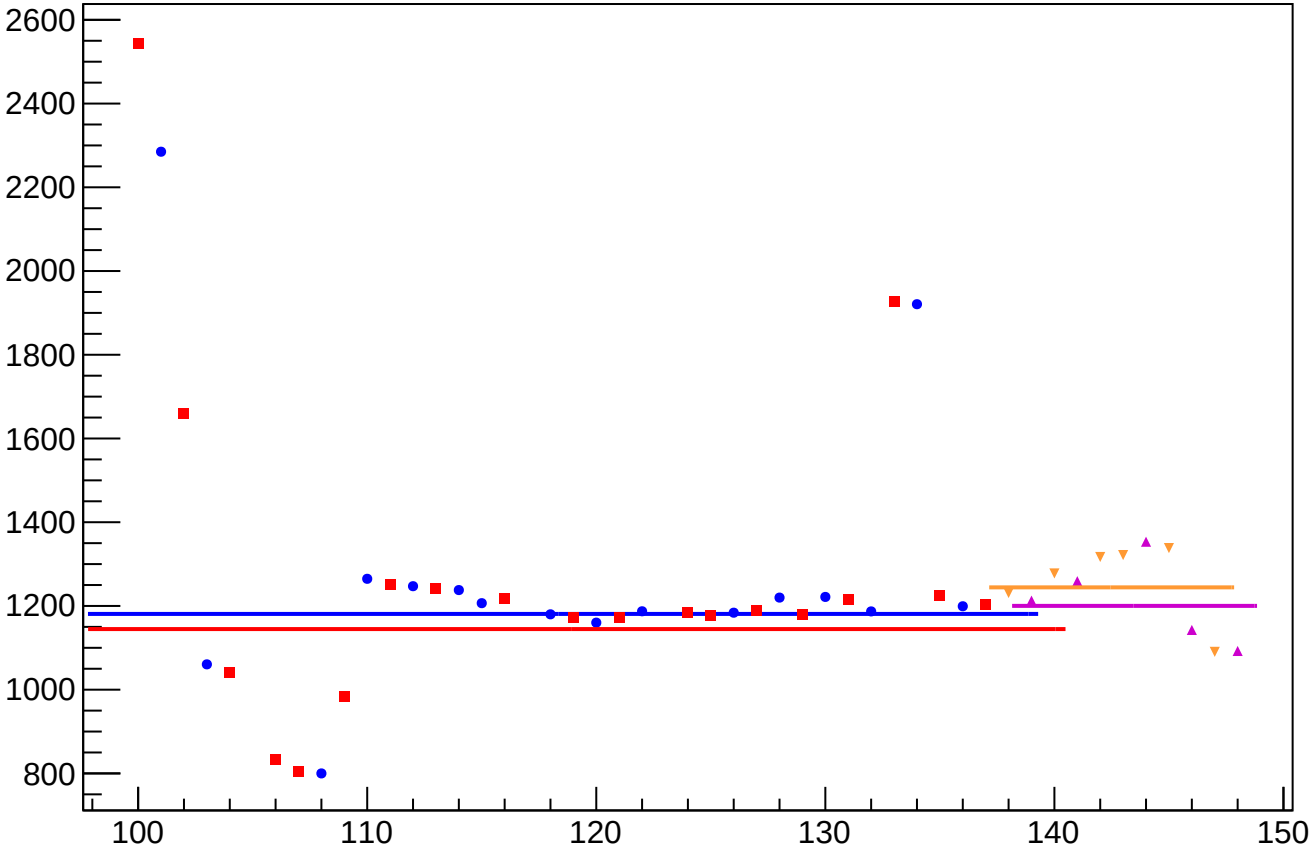
Left In: 819.769+/-575.479 χ^2/NDF:1.2/4

+ sign -140.699+/-356.411 χ^2/NDF: 26.5/21

All: 179.487+/-248.525 χ^2/NDF: 46.7/45

- sign 482.505+/-346.724 χ^2/NDF: 18.6/23

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

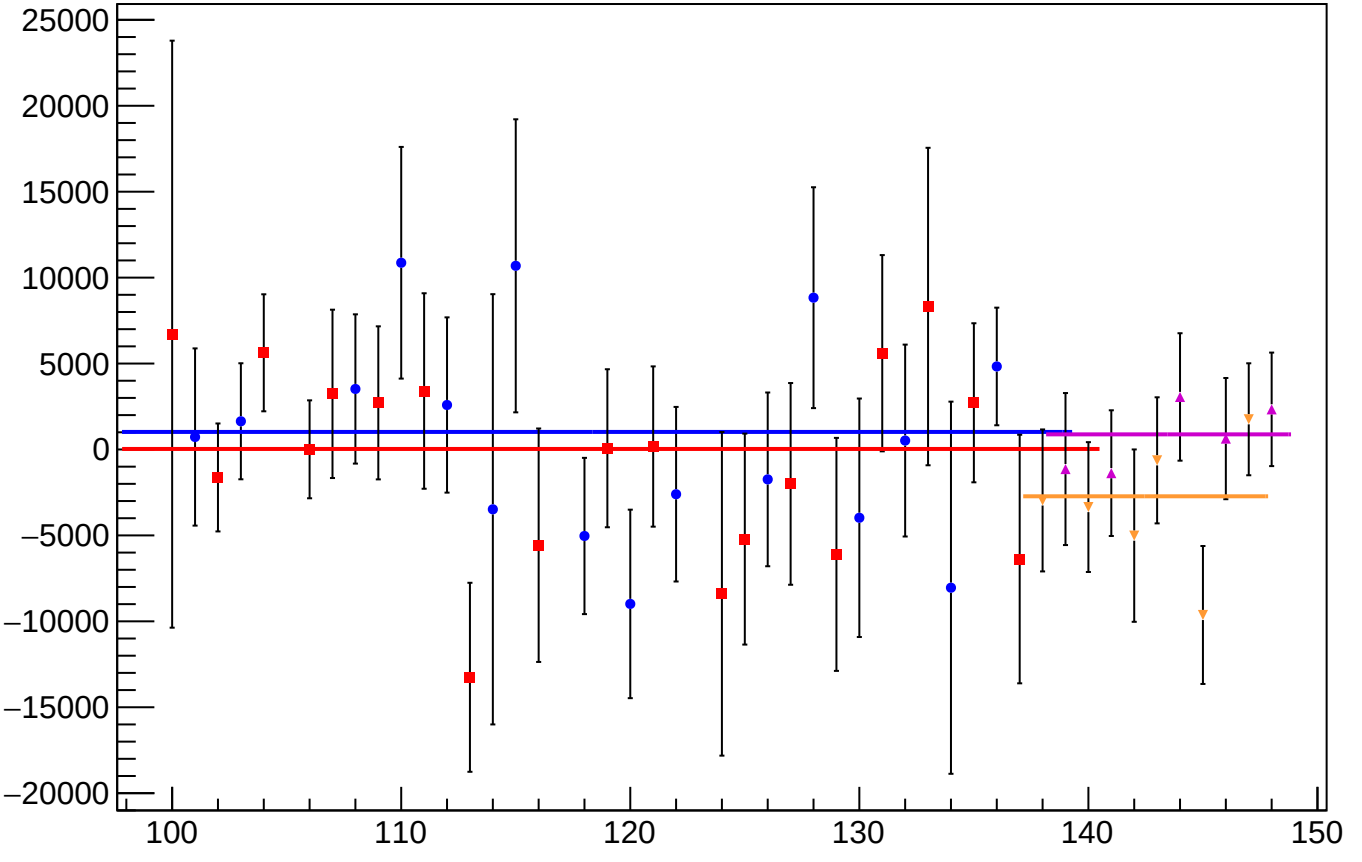
Left In: 1200.177+/-0.407 χ^2/NDF:48054.5/4

+ sign 1204.331+/-0.252 χ^2/NDF: 687190.0/21

All: 1184.054+/-0.176 χ^2/NDF: 1257382.3/45

- sign 1164.875+/-0.245 χ^2/NDF: 557595.9/23

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

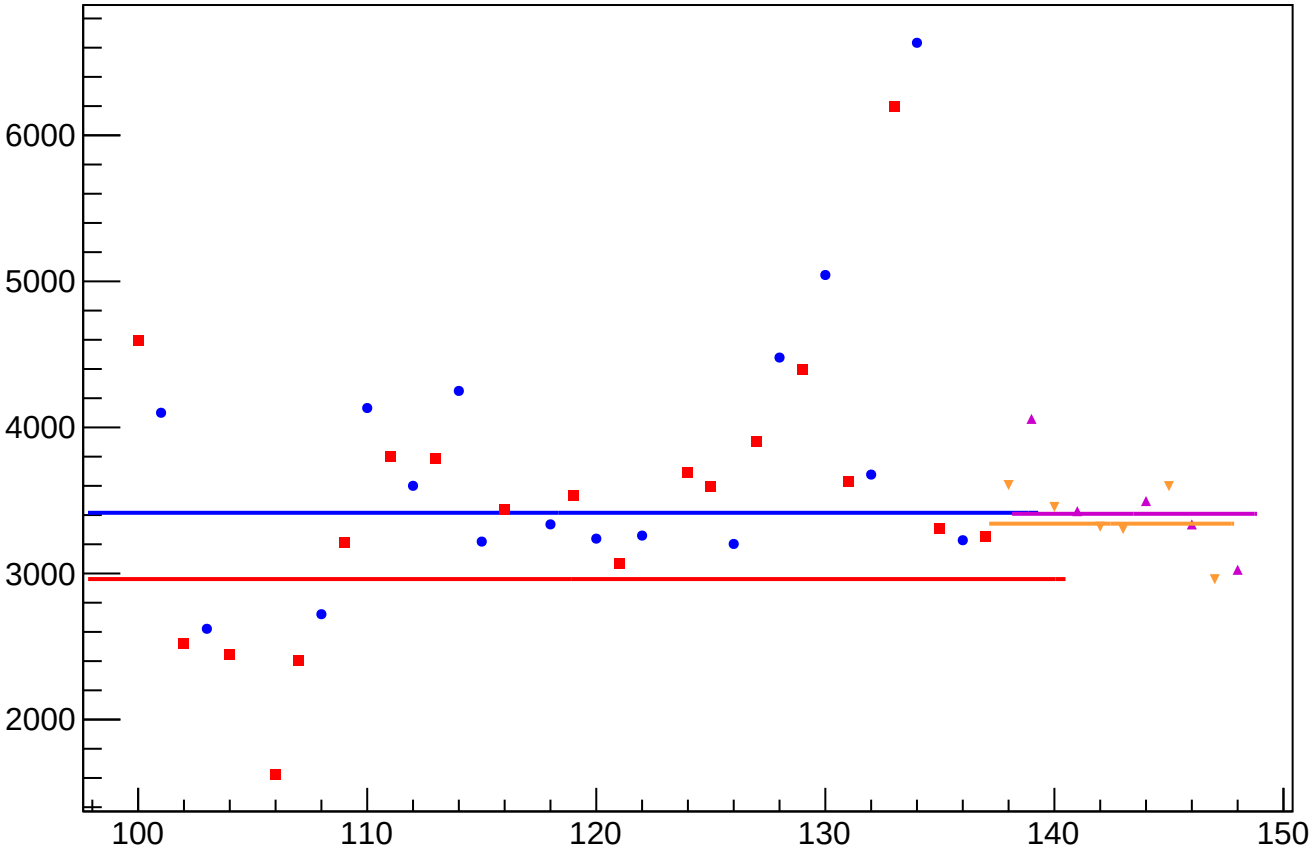
Left In: 879.652+/-1642.425 χ^2/NDF:1.1/4

+ sign -490.965+/-1005.762 χ^2/NDF: 22.6/21

All: -63.367+/-683.363 χ^2/NDF: 40.4/45

- sign 303.308+/-931.362 χ^2/NDF: 17.5/23

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

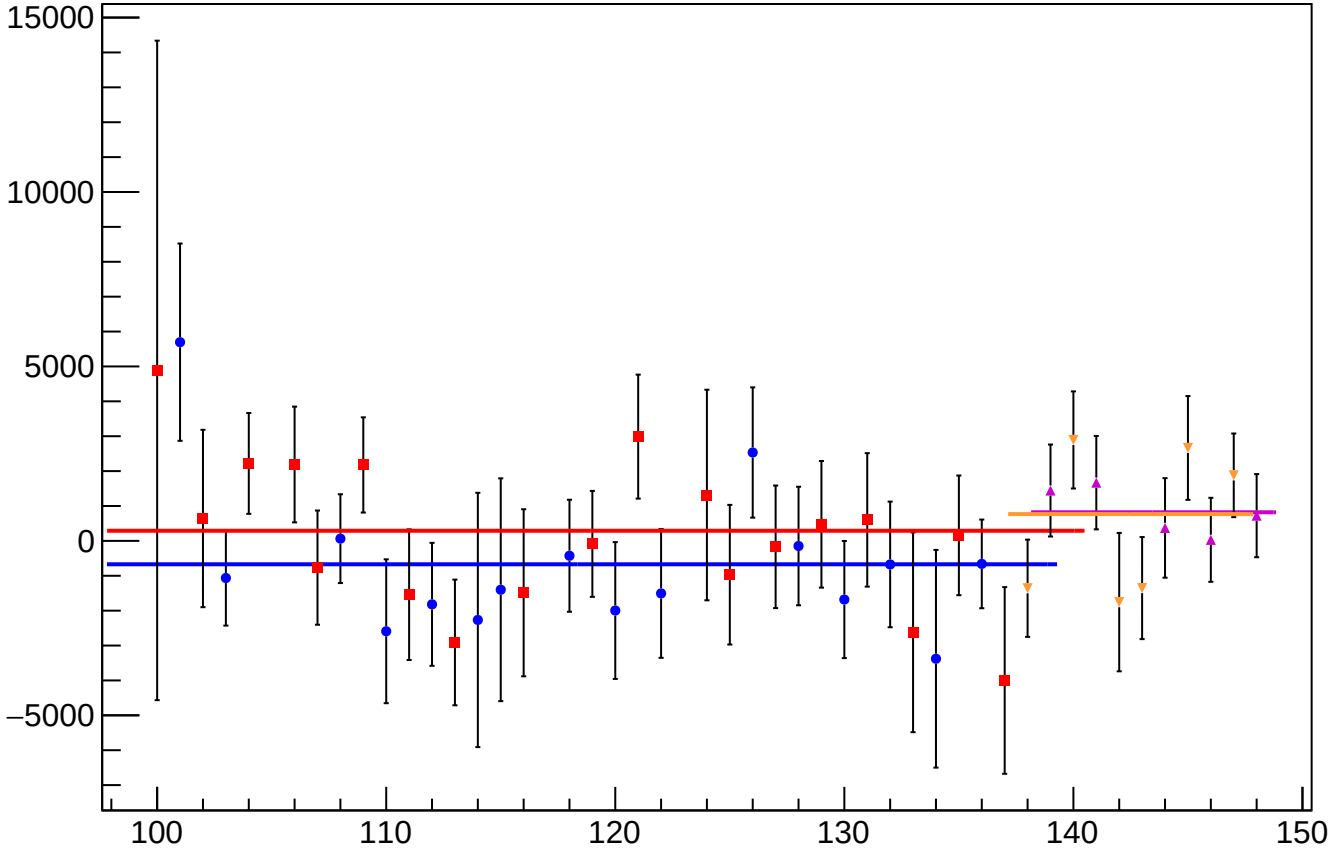
Left In: 3408.664+/-1.161 χ^2/NDF:72123.5/4

+ sign 3385.528+/-0.711 χ^2/NDF: 640699.4/21

All: 3234.771+/-0.483 χ^2/NDF: 2065993.4/45

- sign 3105.494+/-0.659 χ^2/NDF: 1341824.7/23

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

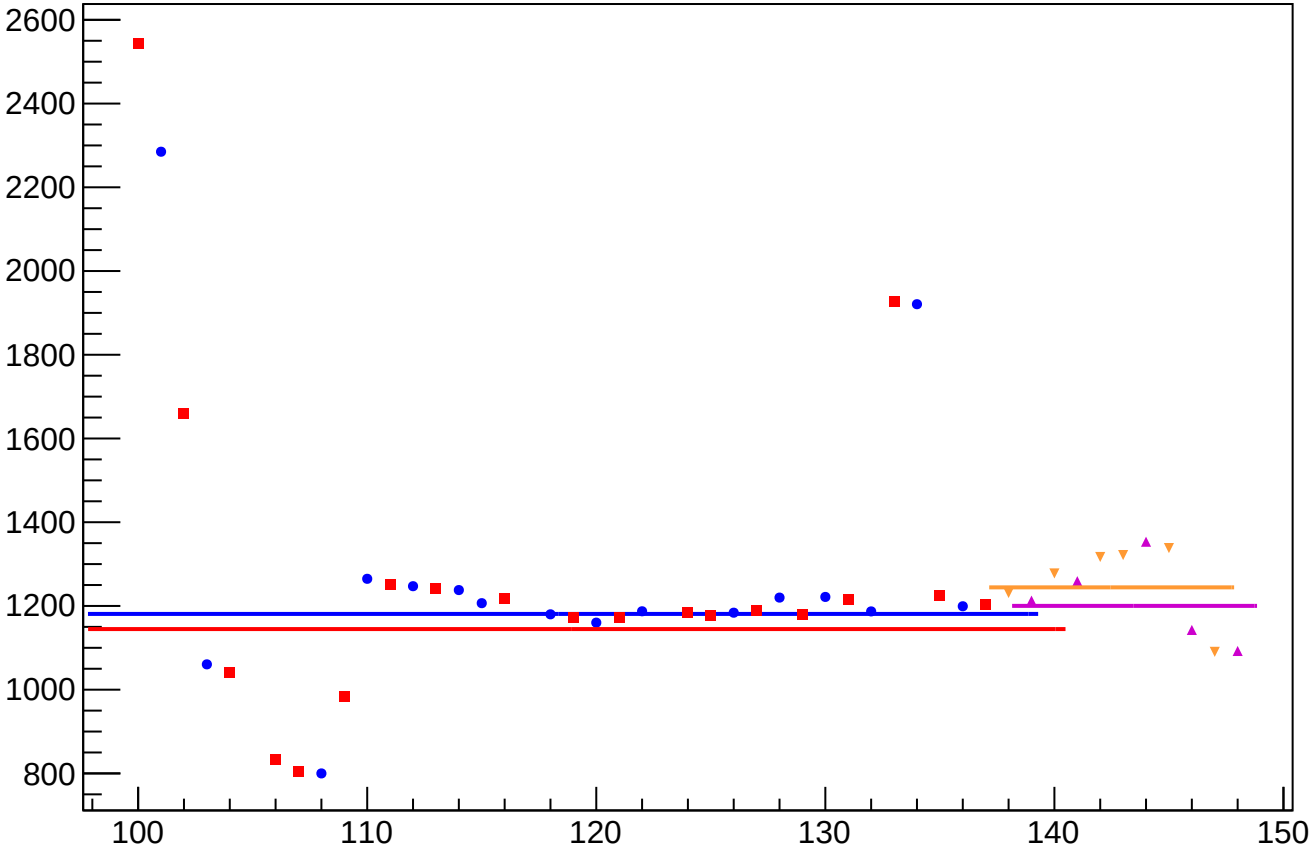
Left In: 819.765+/-575.479 χ^2/NDF:1.2/4

+ sign -140.702+/-356.411 χ^2/NDF: 26.5/21

All: 179.486+/-248.525 χ^2/NDF: 46.7/45

- sign 482.507+/-346.724 χ^2/NDF: 18.6/23

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

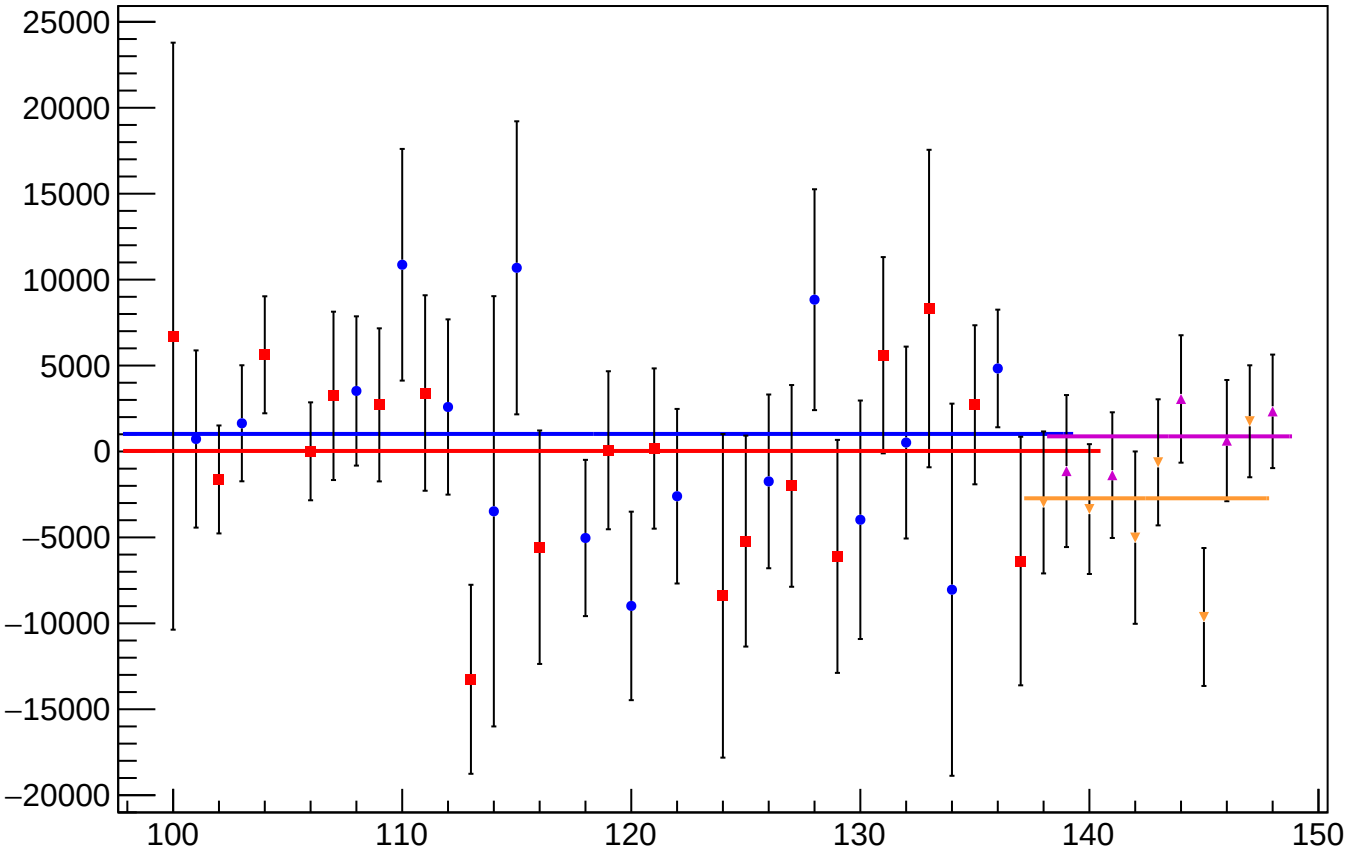
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1200.178+/-0.407 χ^2/NDF:48054.0/4

+ sign 1204.331+/-0.252 χ^2/NDF: 687190.7/21

All: 1184.054+/-0.176 χ^2/NDF: 1257382.0/45

- sign 1164.876+/-0.245 χ^2/NDF: 557595.1/23



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

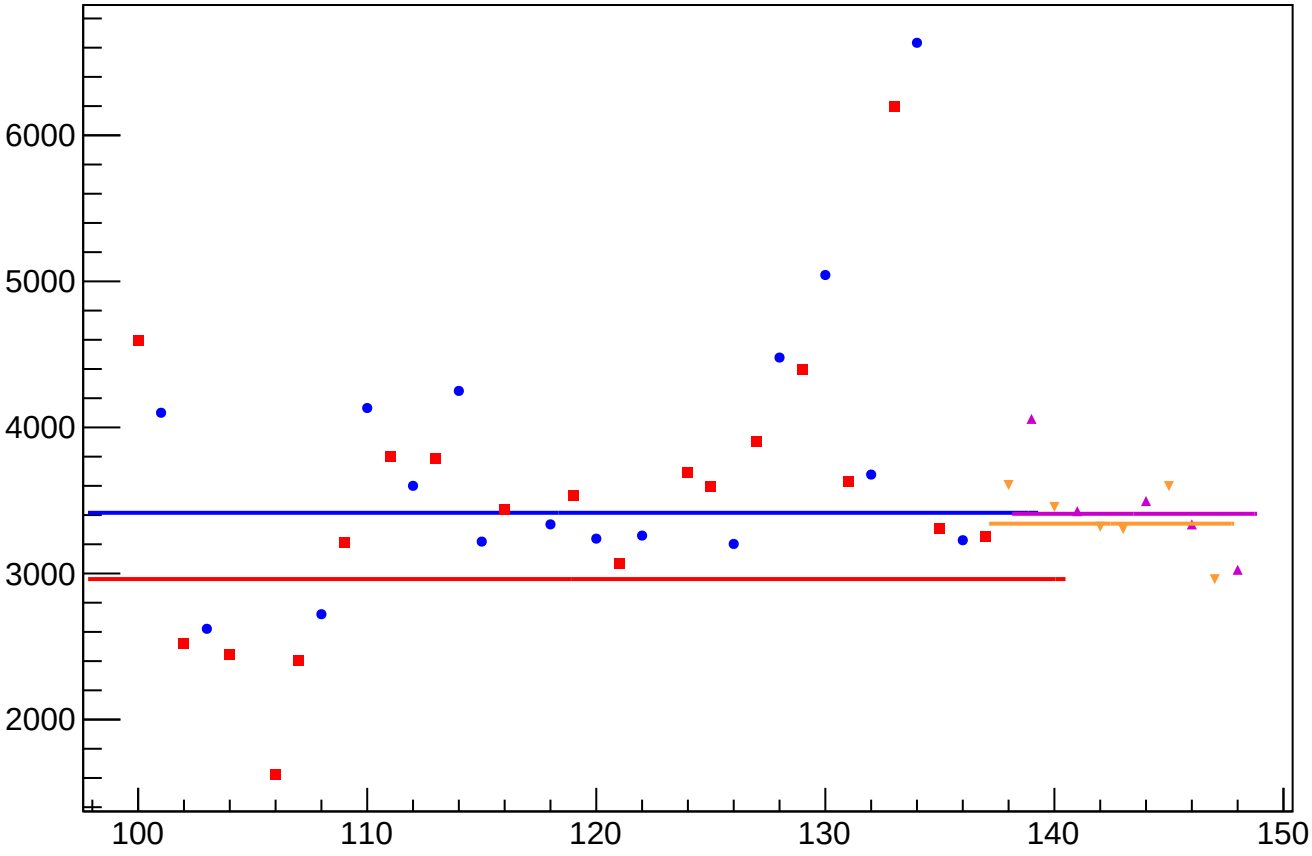
Left In: 879.645+/-1642.427 χ^2/NDF:1.1/4

+ sign -490.972+/-1005.762 χ^2/NDF: 22.6/21

All: -63.370+/-683.362 χ^2/NDF: 40.4/45

- sign 303.309+/-931.361 χ^2/NDF: 17.5/23

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



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

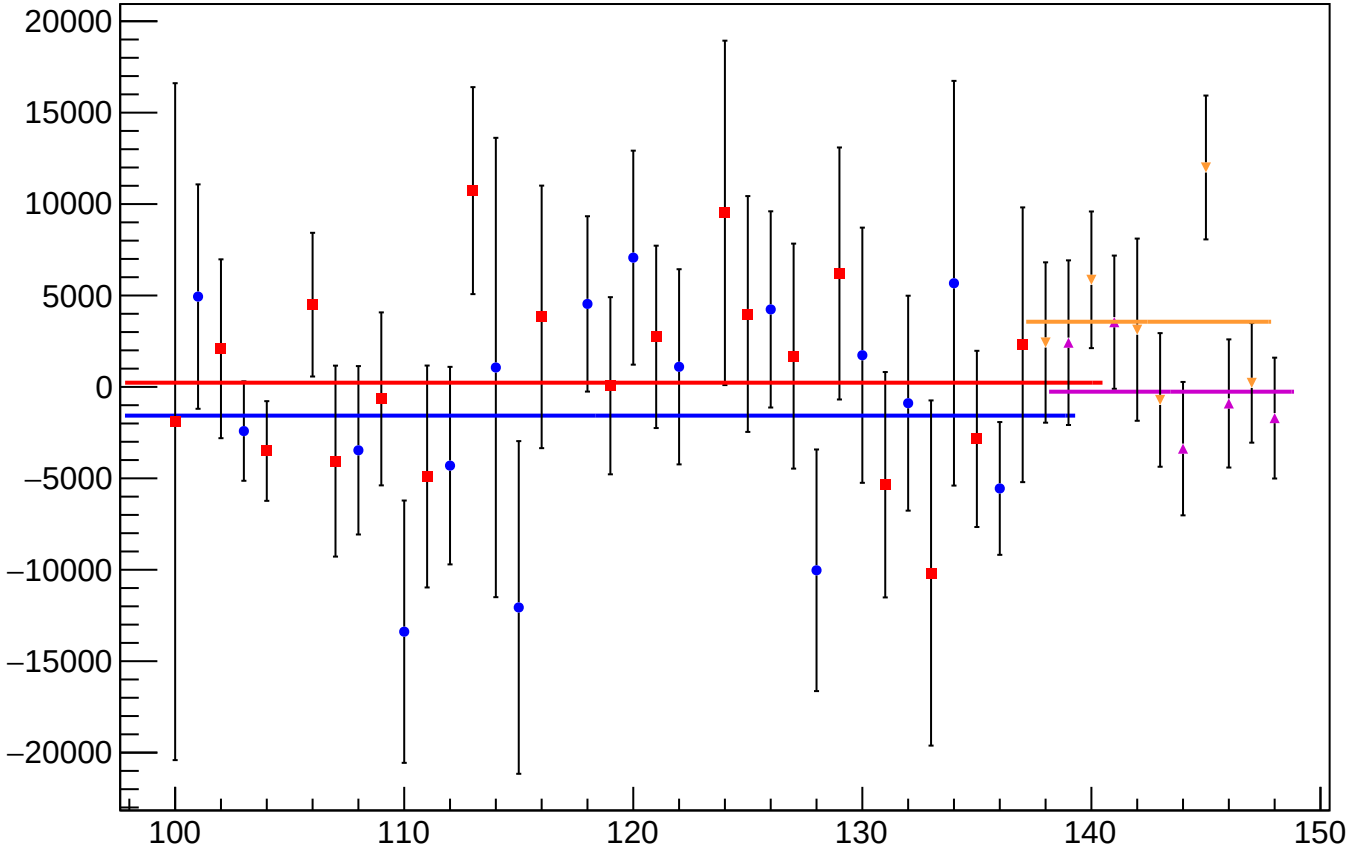
Left In: 3408.668+/-1.161 χ^2/NDF:72123.2/4

+ sign 3385.528+/-0.711 χ^2/NDF: 640693.5/21

All: 3234.770+/-0.483 χ^2/NDF: 2065992.4/45

- sign 3105.491+/-0.659 χ^2/NDF: 1341828.0/23

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

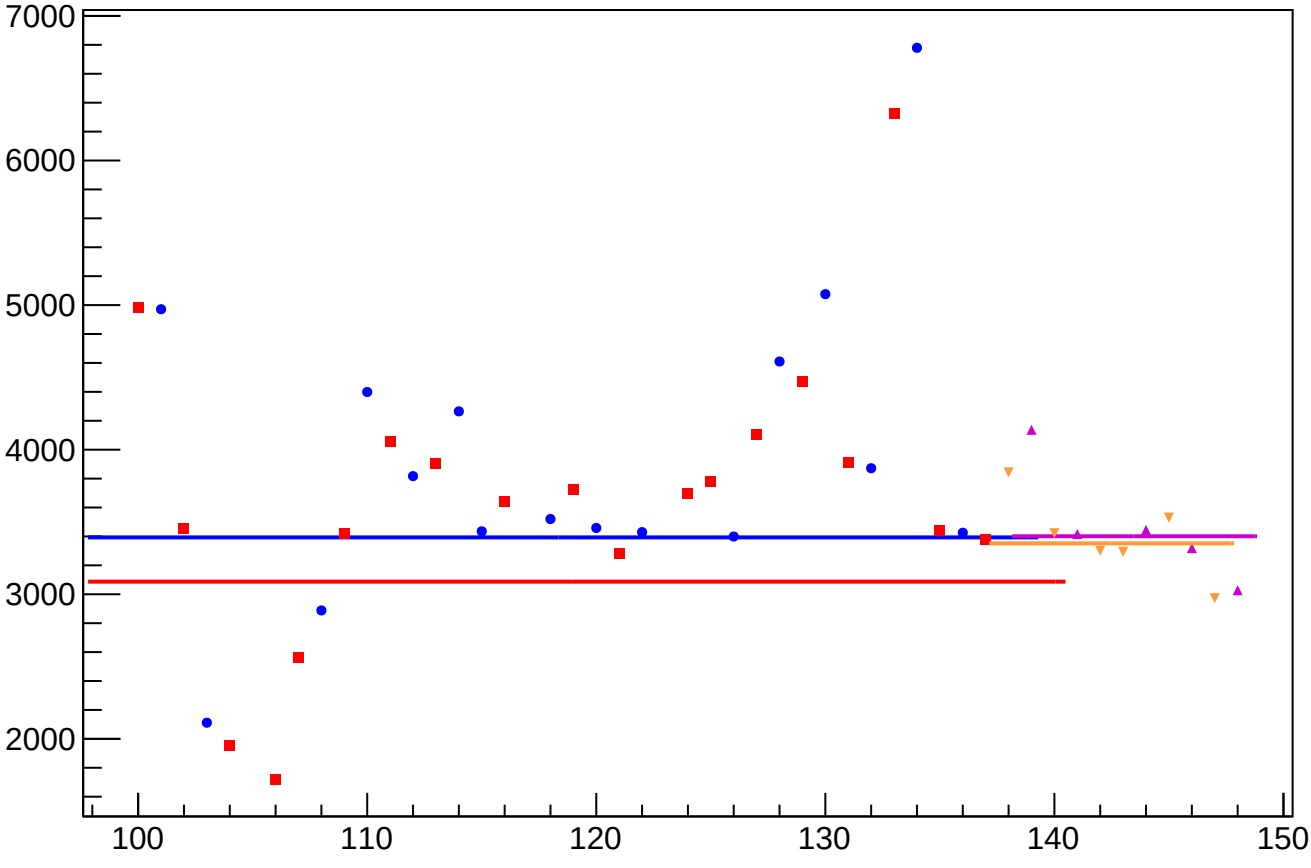
Left In: -261.213+/-1637.833 χ^2/NDF:2.4/4

+ sign 516.077+/-1011.687 χ^2/NDF: 28.1/21

All: 278.161+/-704.130 χ^2/NDF: 43.9/45

- sign 54.633+/-980.619 χ^2/NDF: 15.7/23

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

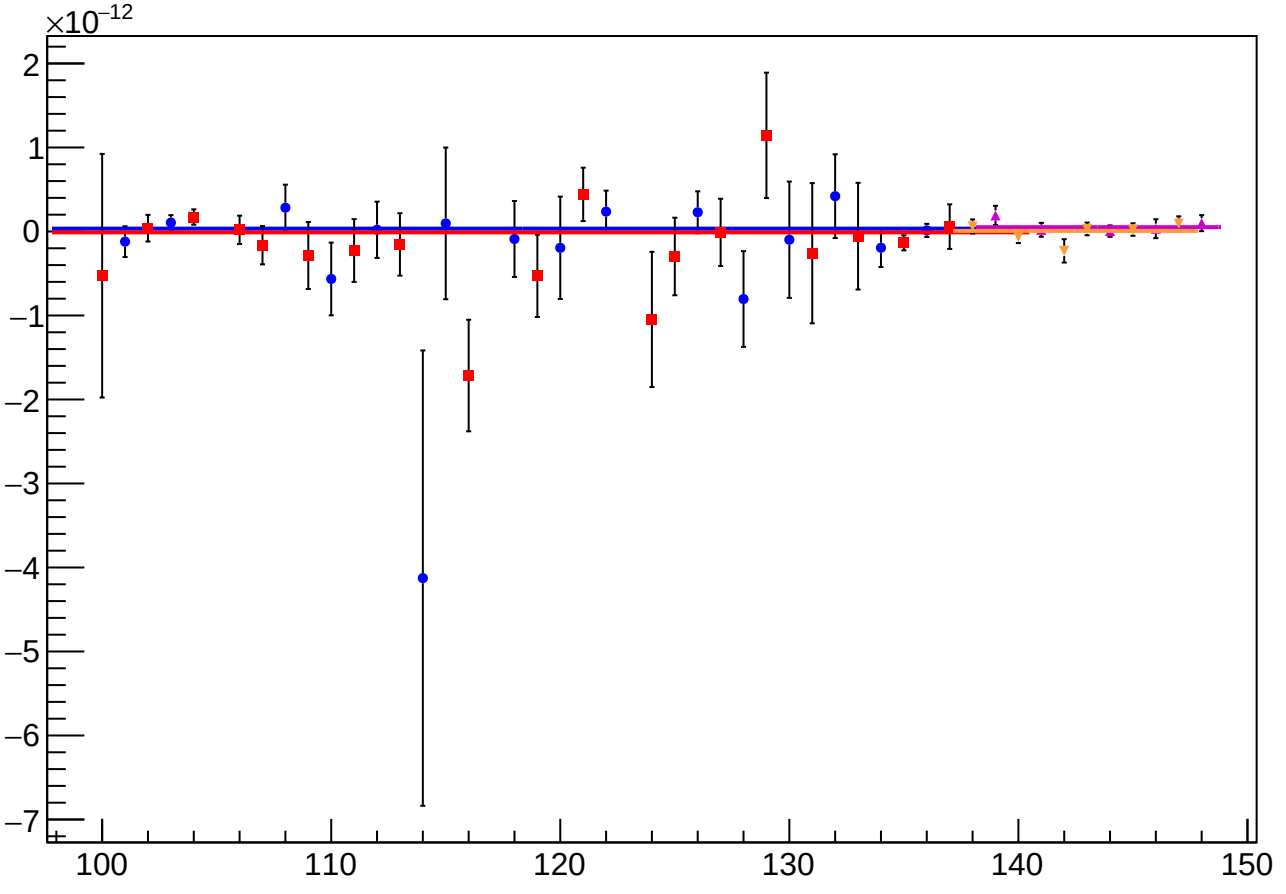
Left In: 3401.192+/-1.158 χ^2/NDF:80436.9/4

+ sign 3376.685+/-0.715 χ^2/NDF: 1106958.4/21

All: 3283.272+/-0.495 χ^2/NDF: 2596169.1/45

- sign 3197.401+/-0.686 χ^2/NDF: 1456485.1/23

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

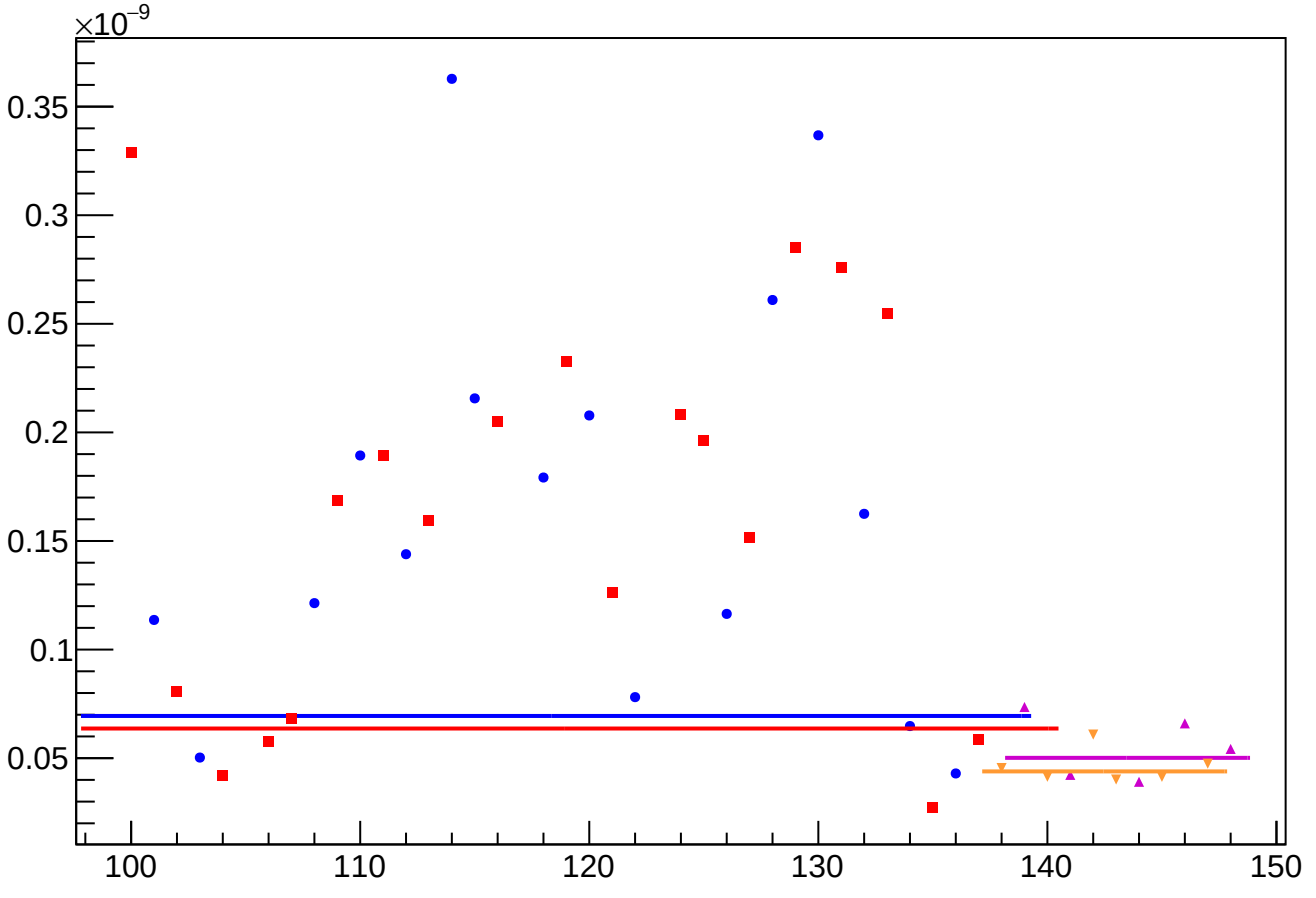
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/21

All: 0.000+/-0.000 χ^2/NDF: 42.7/45

- sign 0.000+/-0.000 χ^2/NDF: 25.2/23



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

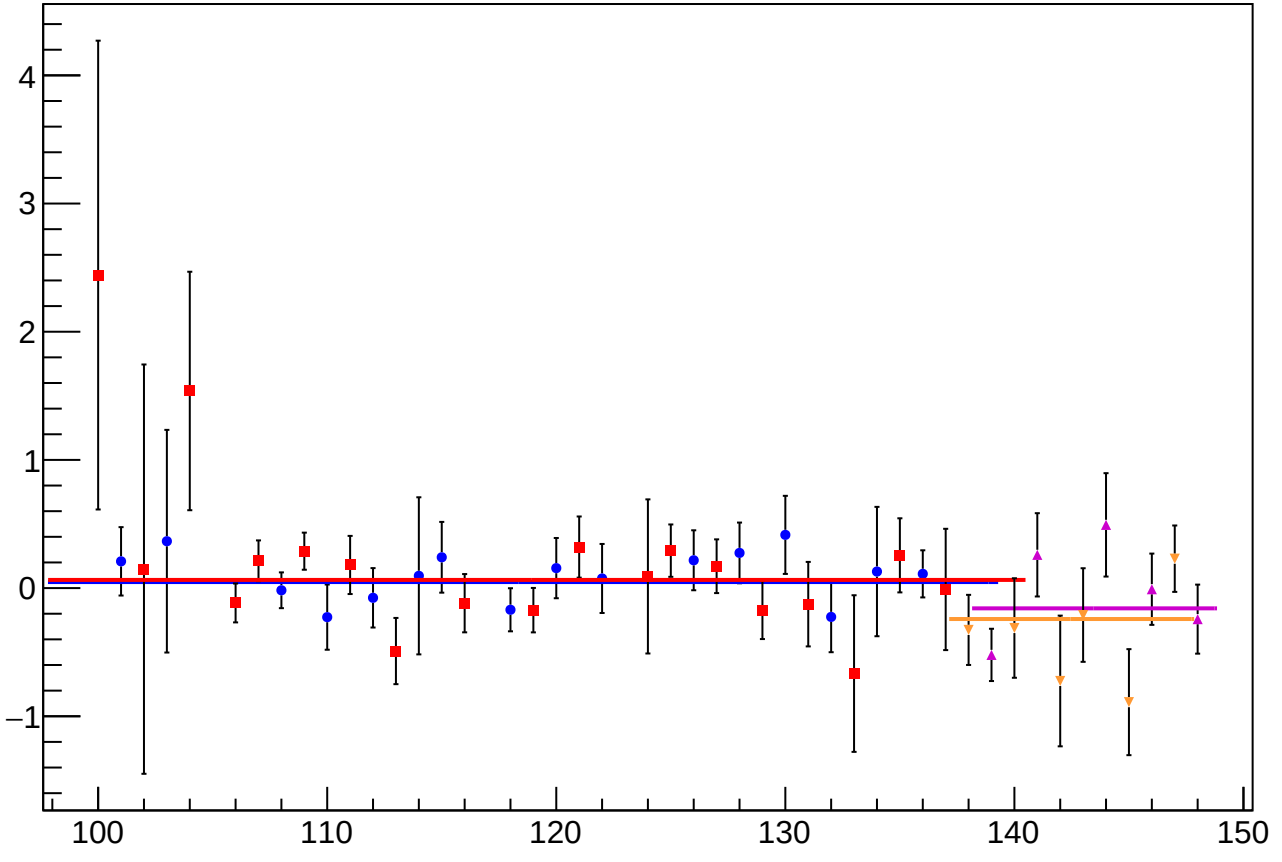
Left In: 0.000+/-0.000 χ^2/NDF:197540.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 2139682.3/21

All: 0.000+/-0.000 χ^2/NDF: 4689670.0/45

- sign 0.000+/-0.000 χ^2/NDF: 2537857.3/23

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

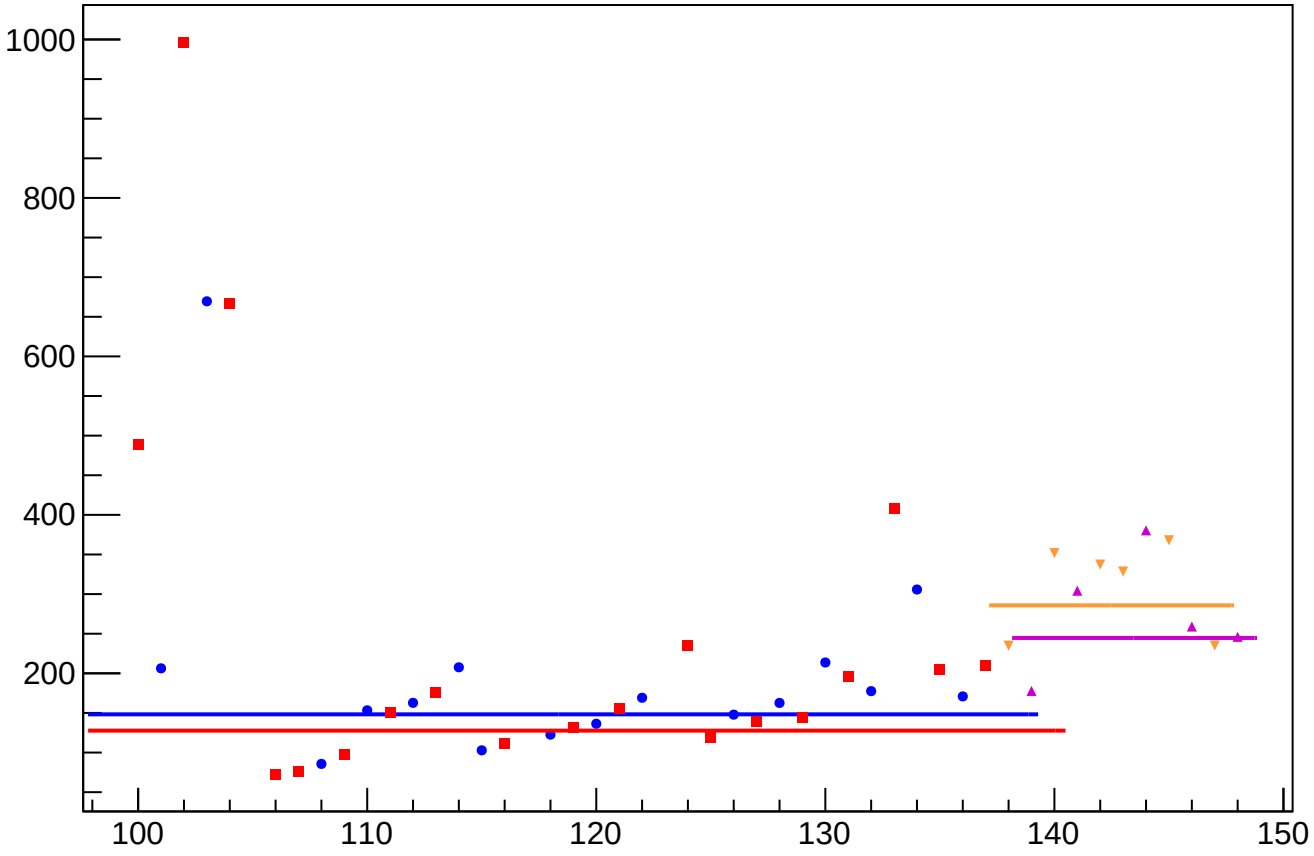
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.015+/-0.037 χ^2/NDF: 51.9/45

- sign 0.027+/-0.050 χ^2/NDF: 32.8/23

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

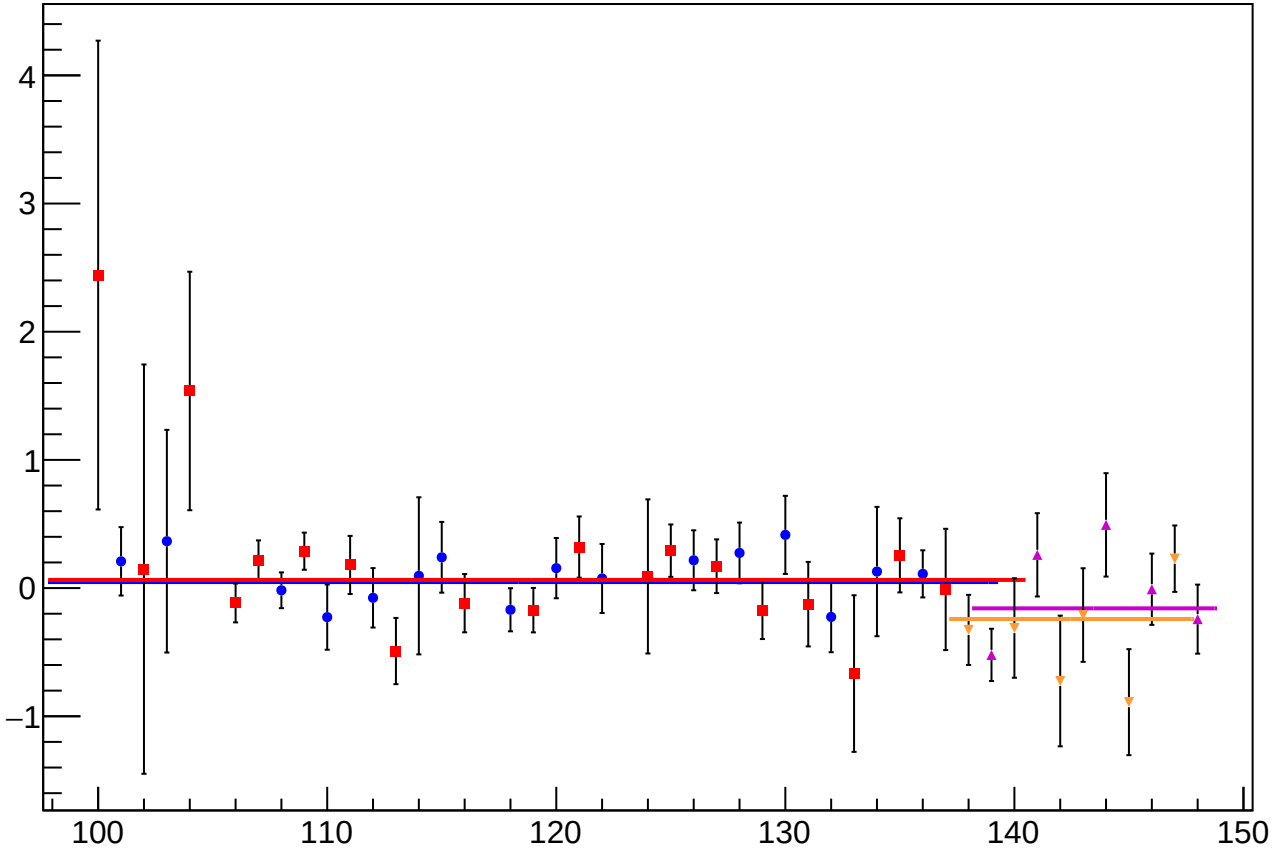
Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

+ sign 169.984+/-0.039 χ^2/NDF: 3700119.1/21

All: 157.397+/-0.026 χ^2/NDF: 8762413.9/45

- sign 147.050+/-0.035 χ^2/NDF: 4871967.9/23

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

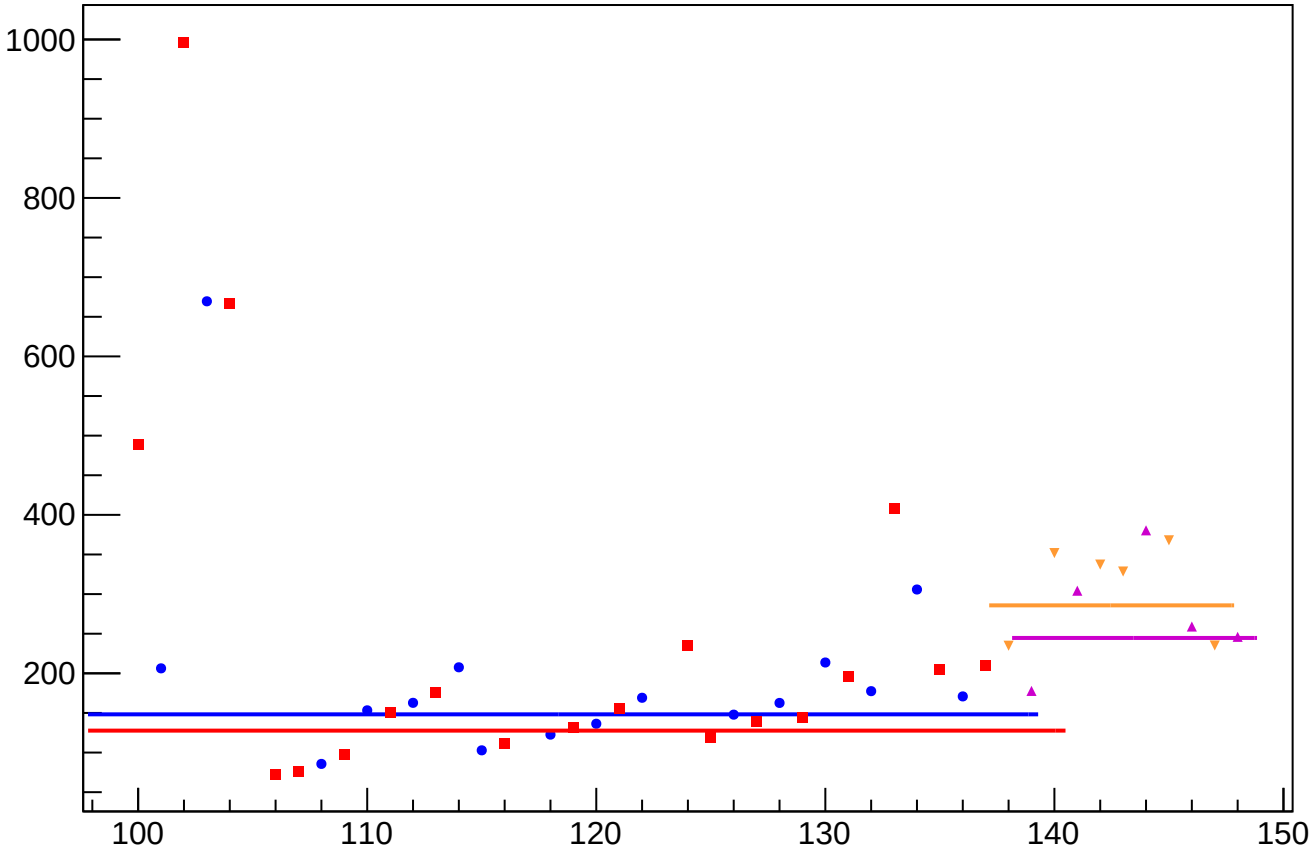
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.015+/-0.037 χ^2/NDF: 51.9/45

- sign 0.027+/-0.050 χ^2/NDF: 32.8/23

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

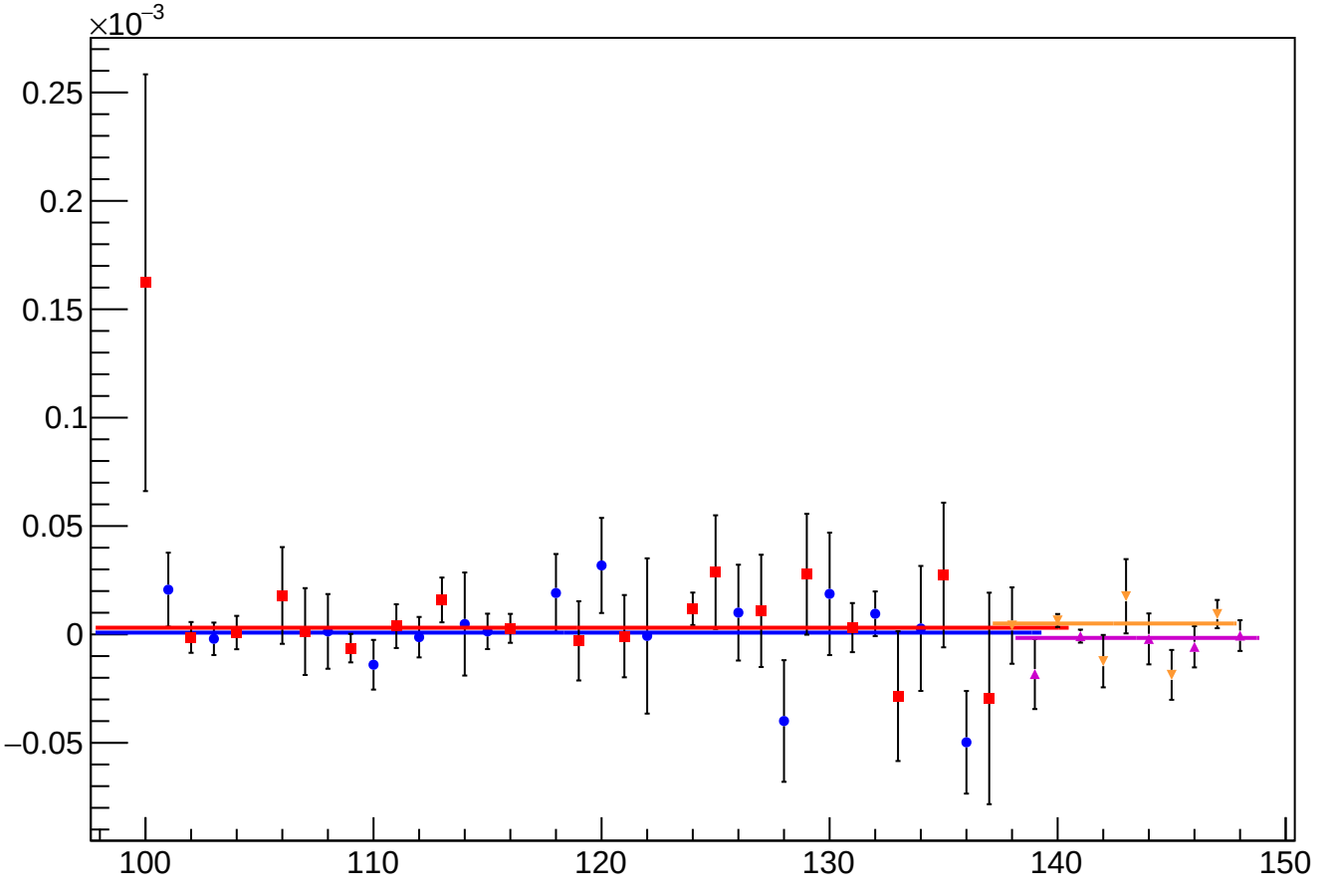
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

+ sign 169.984+/-0.039 χ^2/NDF: 3700119.1/21

All: 157.397+/-0.026 χ^2/NDF: 8762413.9/45

- sign 147.050+/-0.035 χ^2/NDF: 4871967.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/5

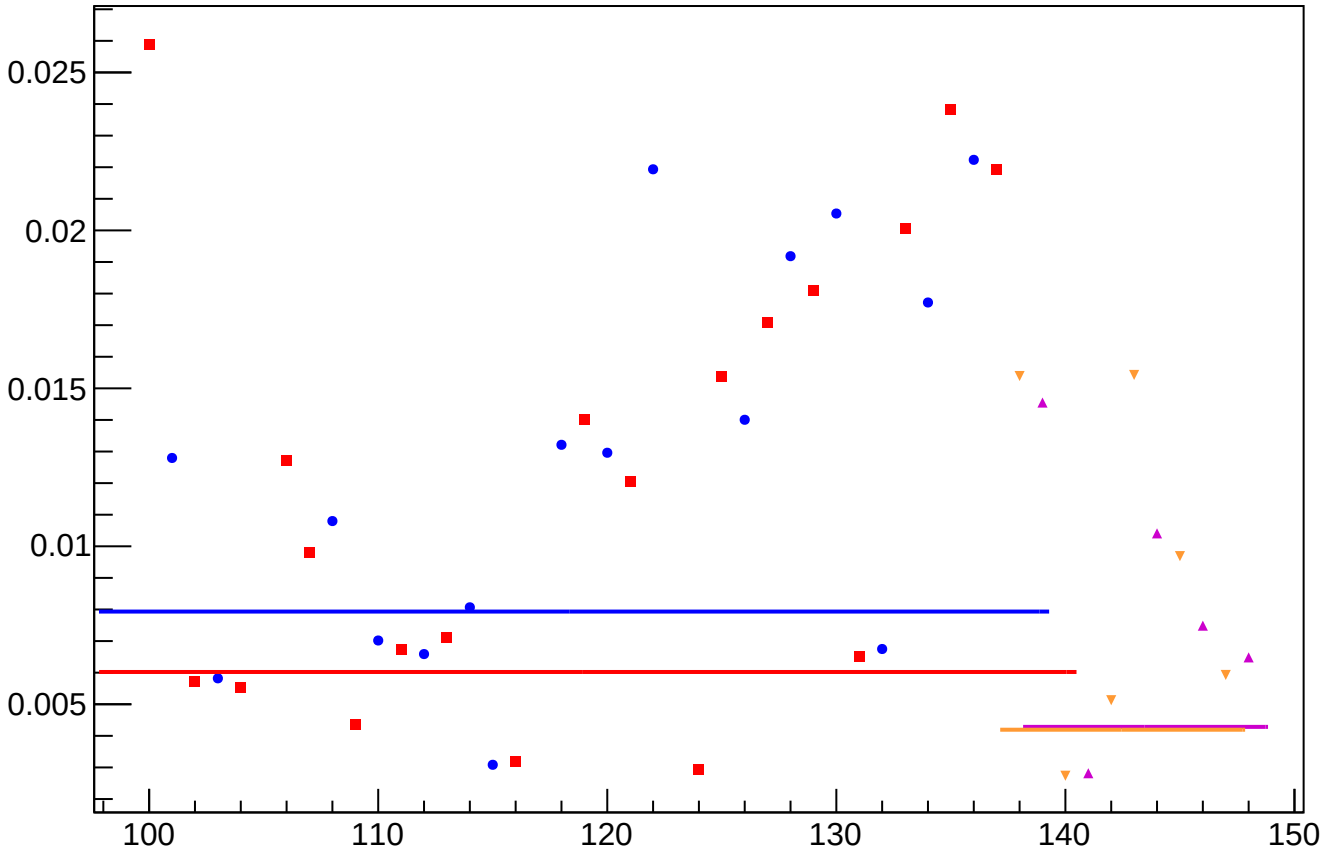
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.7/21

All: 0.000+/-0.000 χ^2/NDF: 39.5/45

- sign 0.000+/-0.000 χ^2/NDF: 15.7/23



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

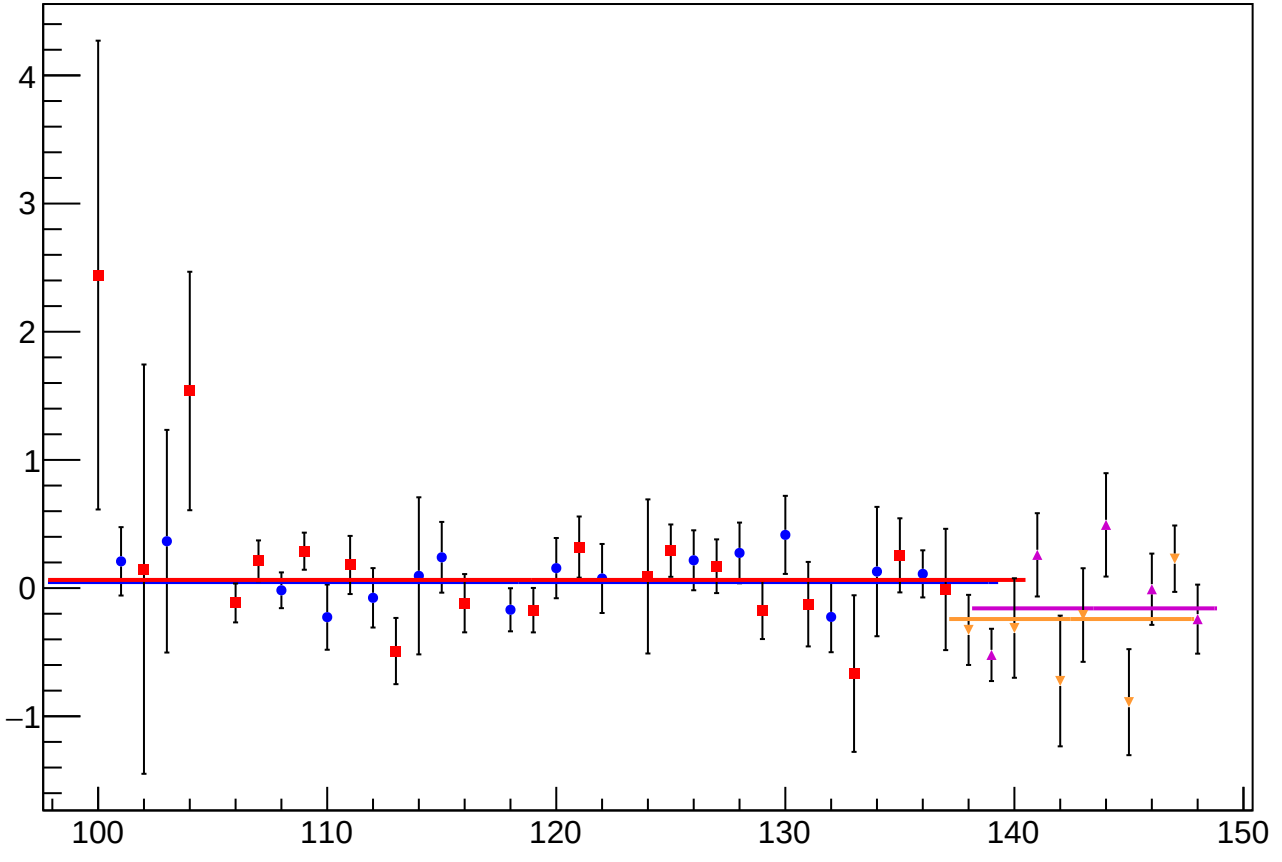
Left In: 0.004+/-0.000 χ^2/NDF:2249069.4/4

+ sign 0.005+/-0.000 χ^2/NDF: 7852648.9/21

All: 0.005+/-0.000 χ^2/NDF: 14595635.7/45

- sign 0.005+/-0.000 χ^2/NDF: 6706936.8/23

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

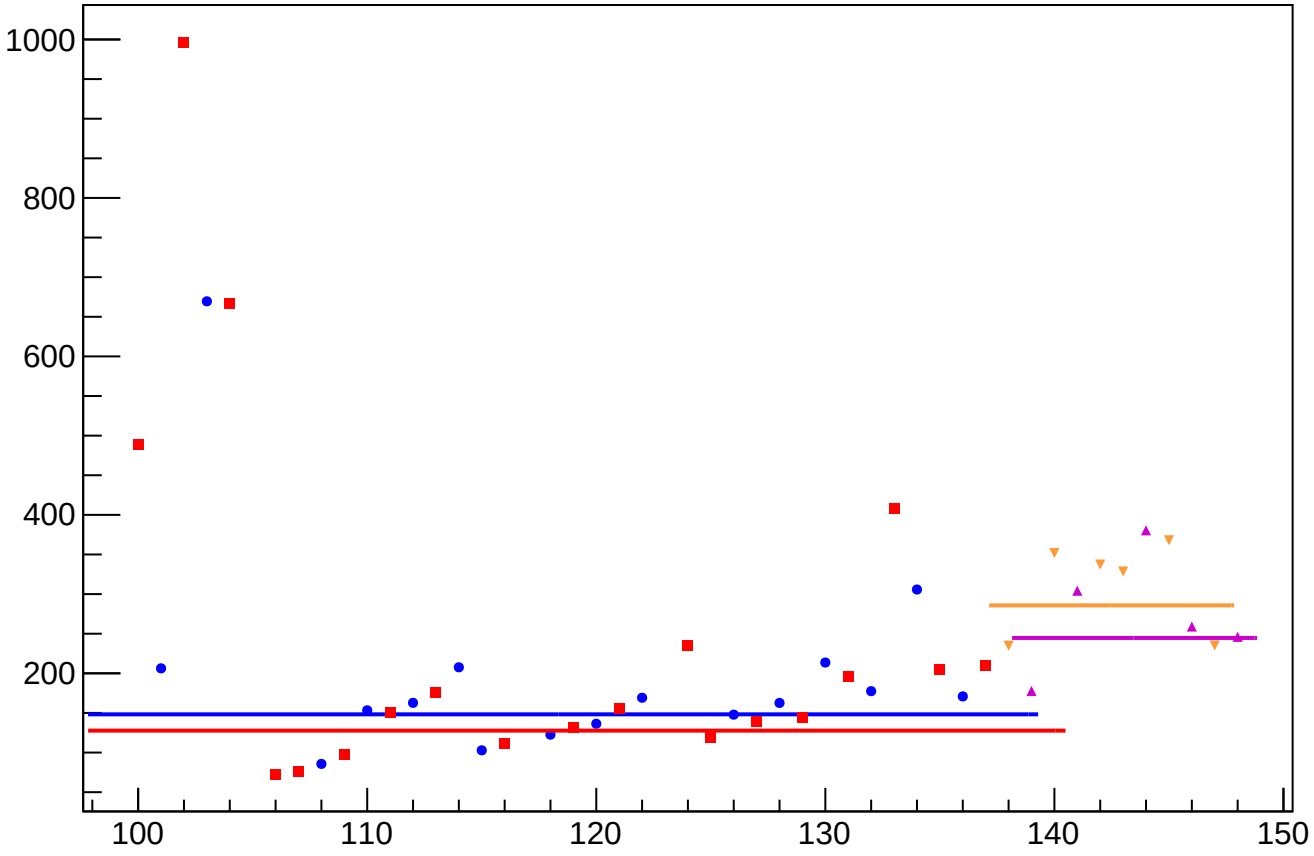
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.015+/-0.037 χ^2/NDF: 51.9/45

- sign 0.027+/-0.050 χ^2/NDF: 32.8/23

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

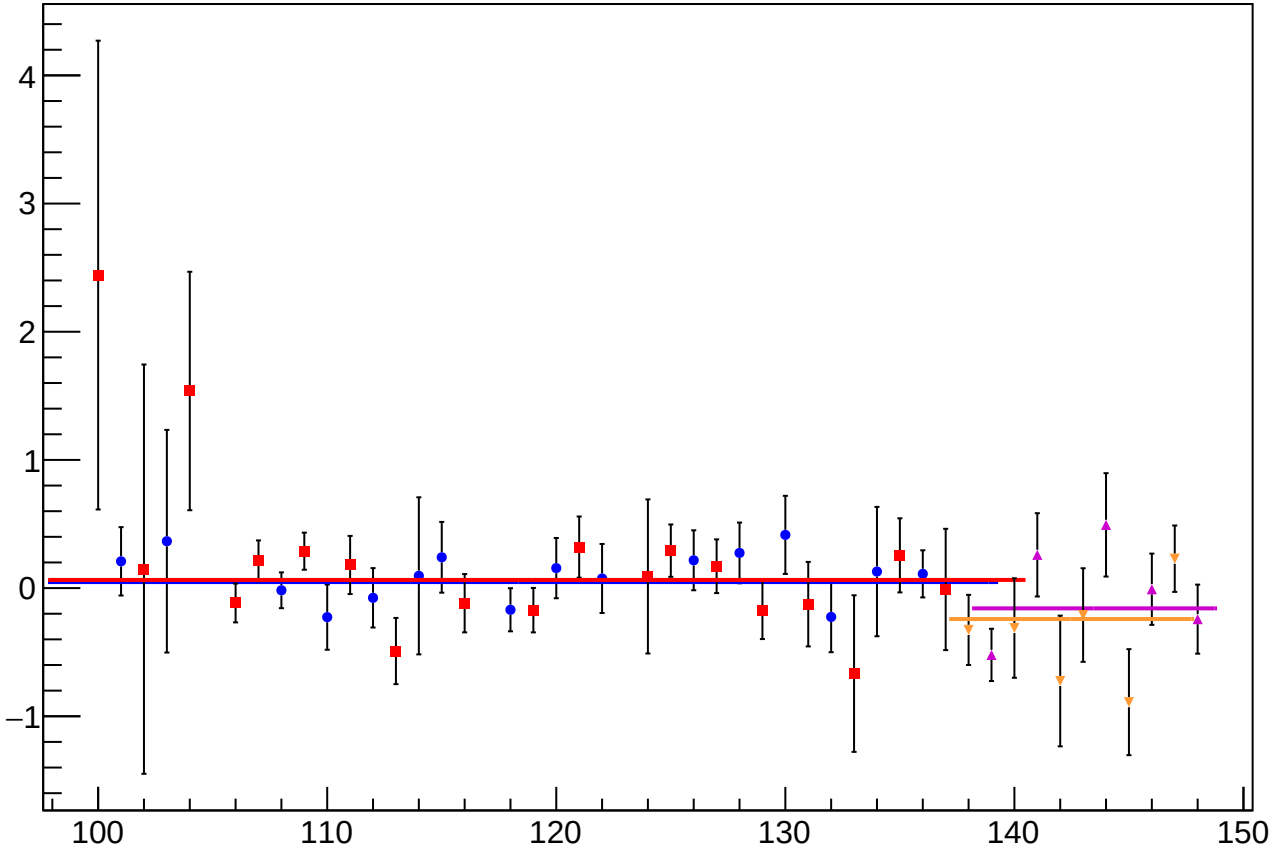
Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

+ sign 169.982+/-0.039 χ^2/NDF: 3700306.2/21

All: 157.396+/-0.026 χ^2/NDF: 8762585.5/45

- sign 147.050+/-0.035 χ^2/NDF: 4871993.6/23

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

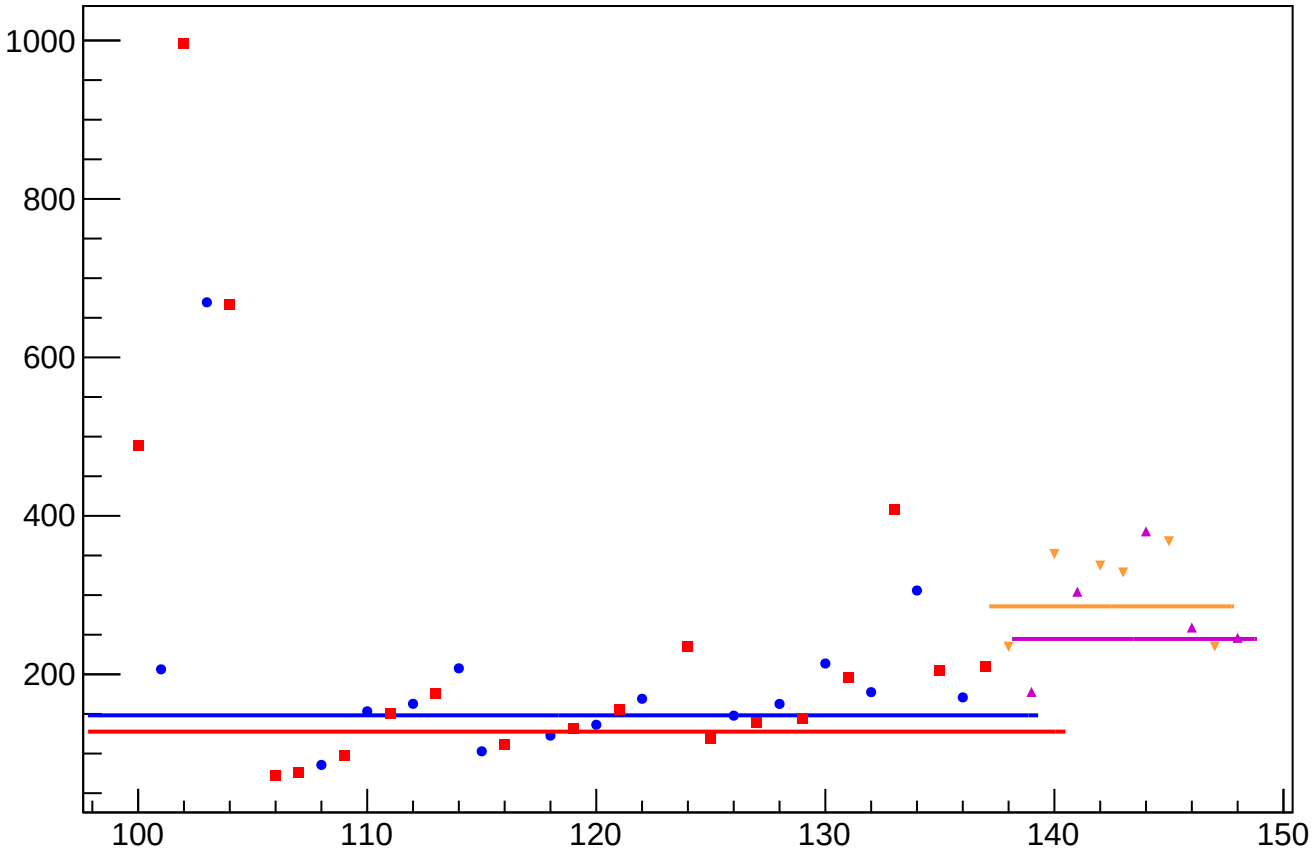
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign 0.001+/-0.055 χ^2/NDF: 19.0/21

All: 0.015+/-0.037 χ^2/NDF: 51.9/45

- sign 0.027+/-0.050 χ^2/NDF: 32.8/23



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

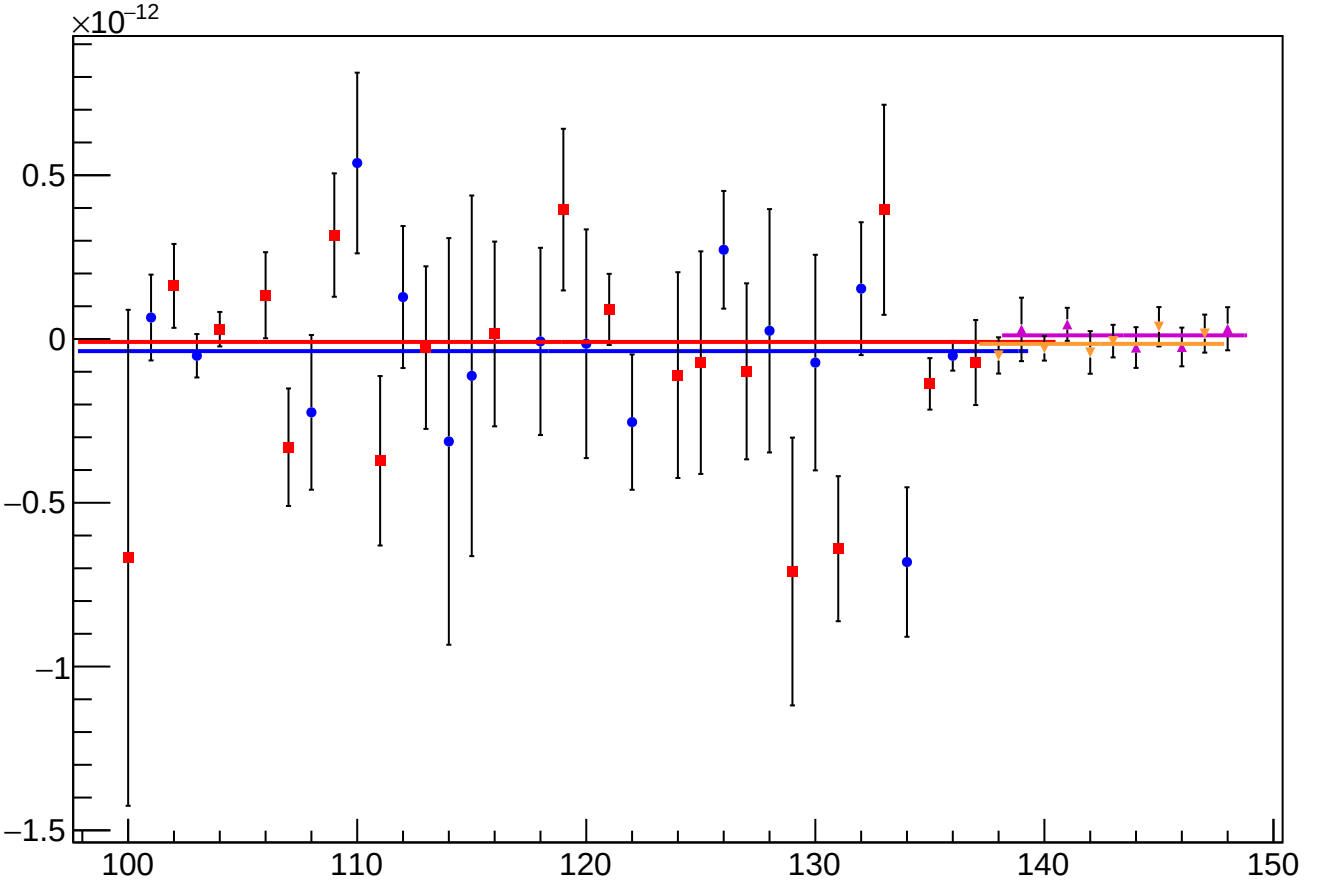
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

+ sign 169.982+/-0.039 χ^2/NDF: 3700306.2/21

All: 157.396+/-0.026 χ^2/NDF: 8762585.5/45

- sign 147.050+/-0.035 χ^2/NDF: 4871993.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/5

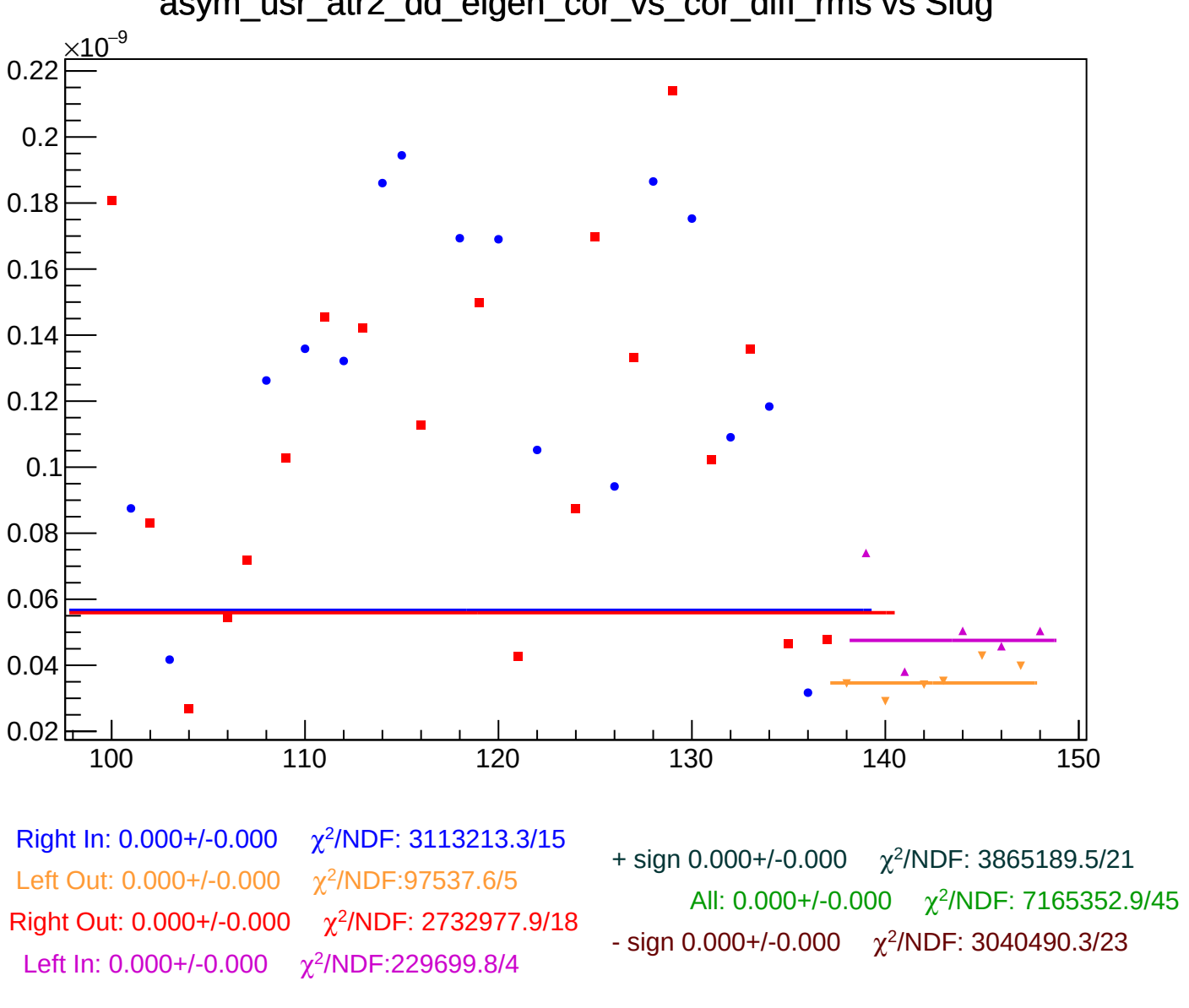
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

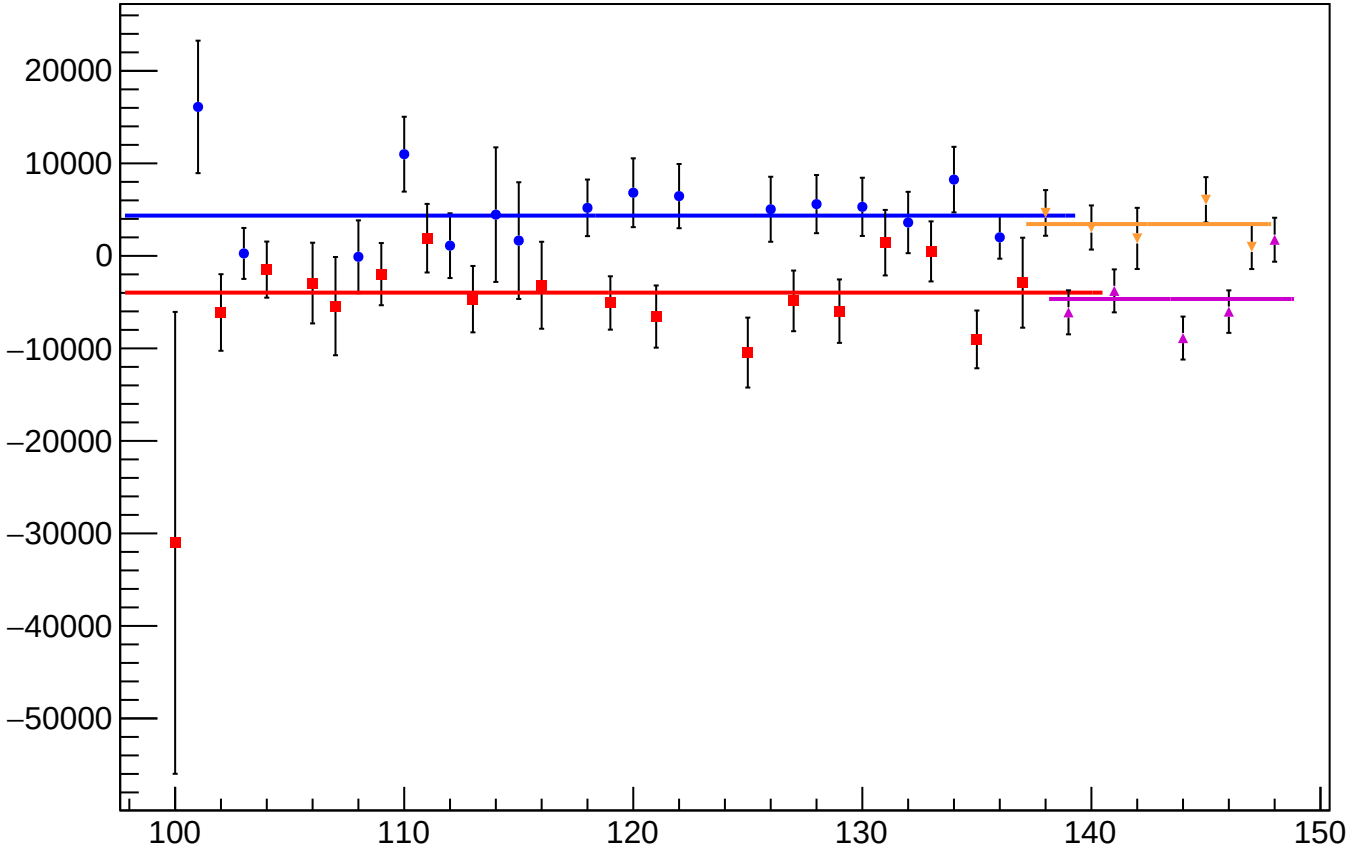
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/21

All: -0.000+/-0.000 χ^2/NDF: 55.6/45

- sign 0.000+/-0.000 χ^2/NDF: 33.3/23


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
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:229699.8/4
+ sign 0.000+/-0.000 χ²/NDF: 3865189.5/21
All: 0.000+/-0.000 χ²/NDF: 7165352.9/45
- sign 0.000+/-0.000 χ²/NDF: 3040490.3/23

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

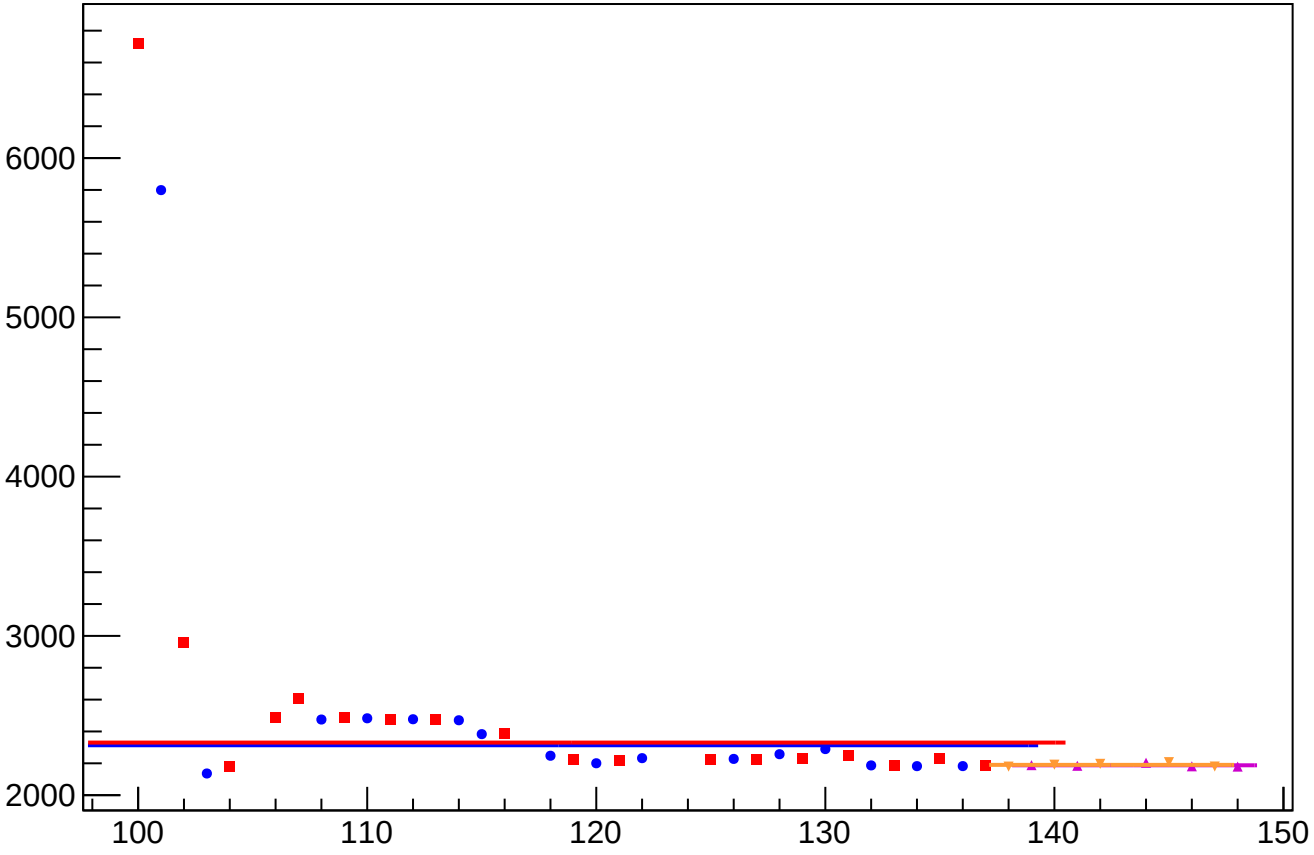
Left In: -4659.149+/-1045.889 χ^2/NDF:11.4/4

+ sign 4013.824+/-693.719 χ^2/NDF: 16.5/20

All: -266.952+/-481.720 χ^2/NDF: 117.9/43

- sign -4253.326+/-669.440 χ^2/NDF: 27.9/22

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

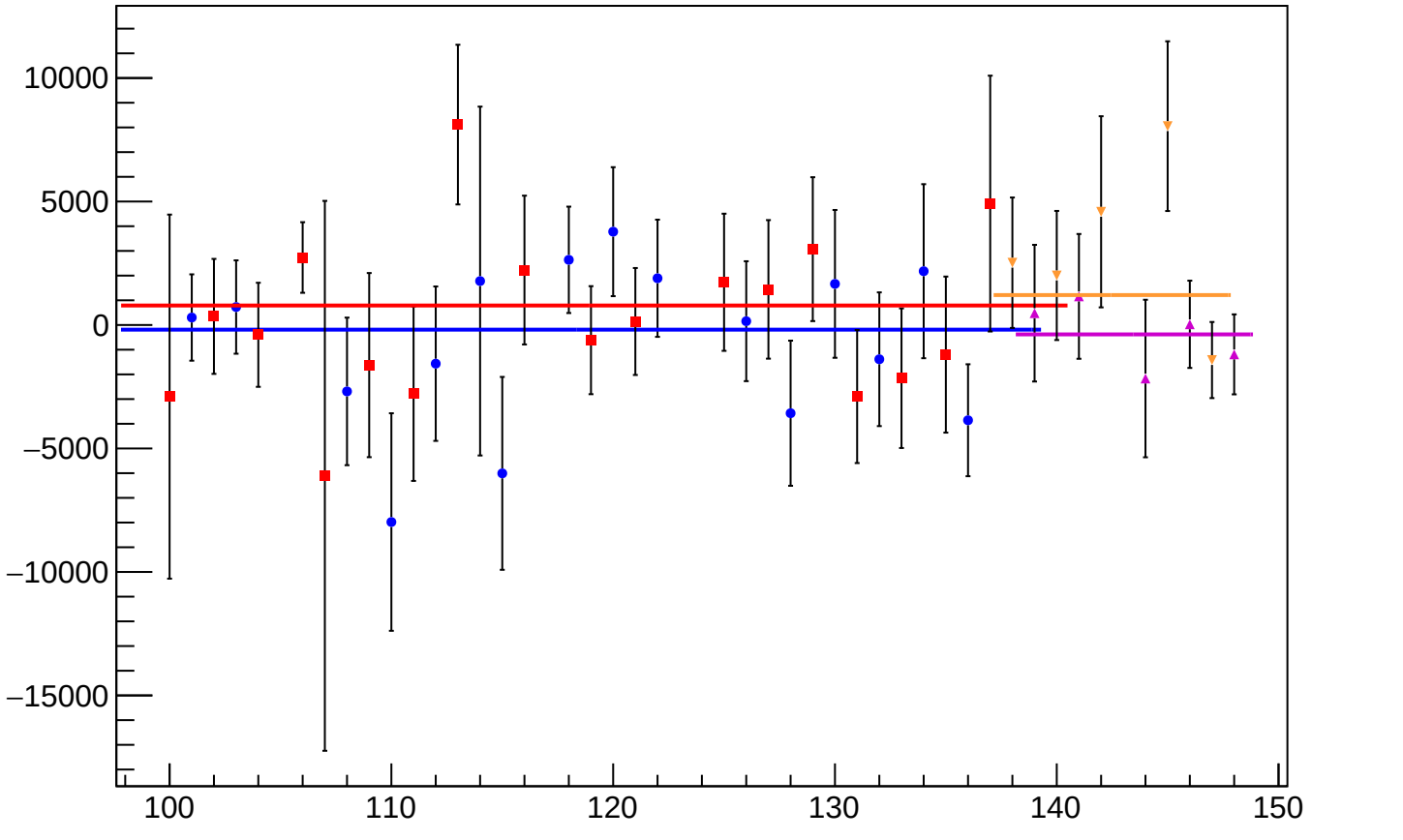
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.0/20

All: 2269.775+/-0.341 χ^2/NDF: 700618.8/43

- sign 2271.777+/-0.473 χ^2/NDF: 173297.6/22



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 1212.336+/-1076.951 χ^2/NDF:8.0/4

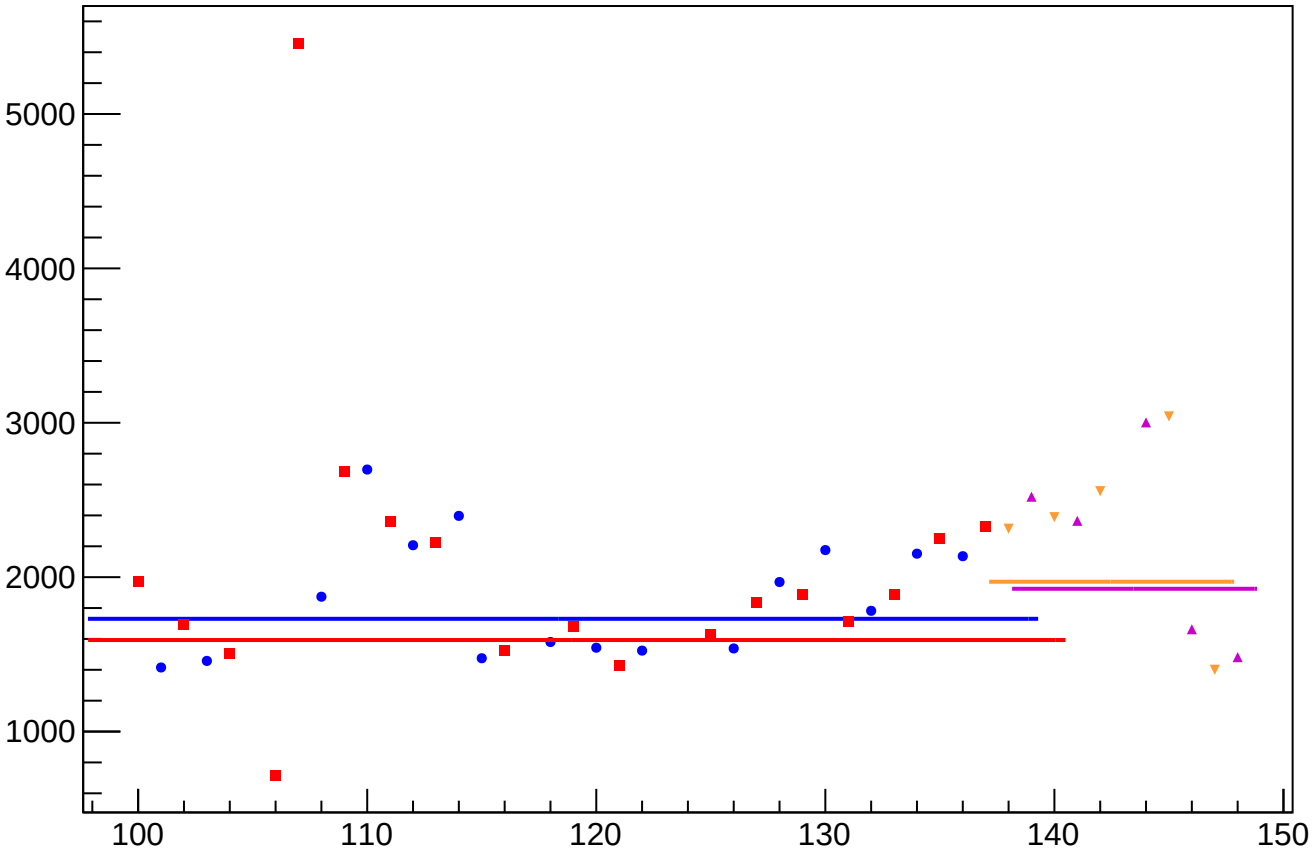
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -380.456+/-959.057 χ^2/NDF:1.1/4

+ sign 192.451+/-561.699 χ^2/NDF: 25.6/20

All: 319.773+/-385.257 χ^2/NDF: 42.8/43

- sign 432.875+/-529.405 χ^2/NDF: 17.0/22



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1970.553+/-0.762 χ^2/NDF:598967.5/4

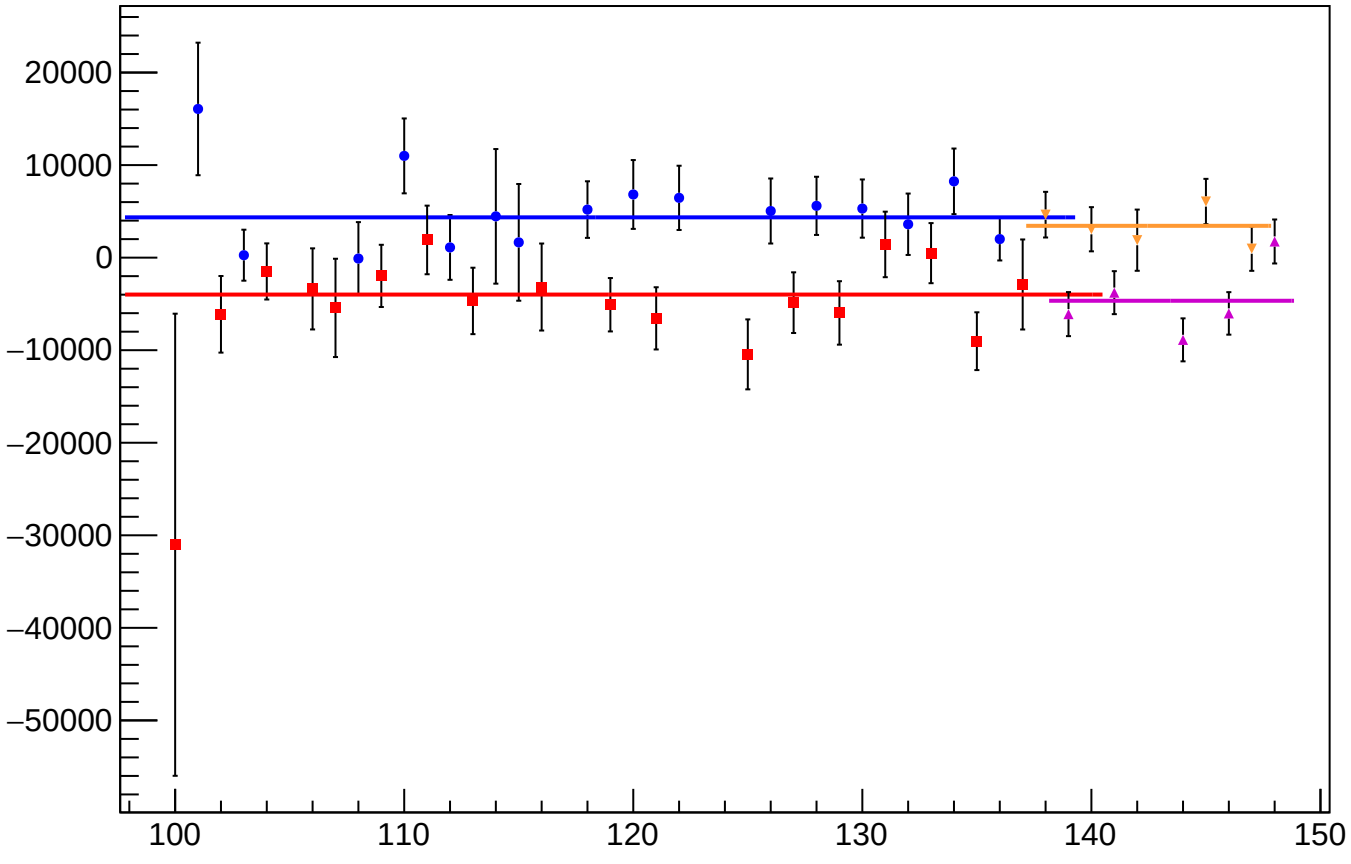
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1924.830+/-0.678 χ^2/NDF:575747.3/4

+ sign 1795.647+/-0.397 χ^2/NDF: 1150365.5/20

All: 1741.812+/-0.272 χ^2/NDF: 3483656.5/43

- sign 1693.990+/-0.374 χ^2/NDF: 2298599.7/22



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

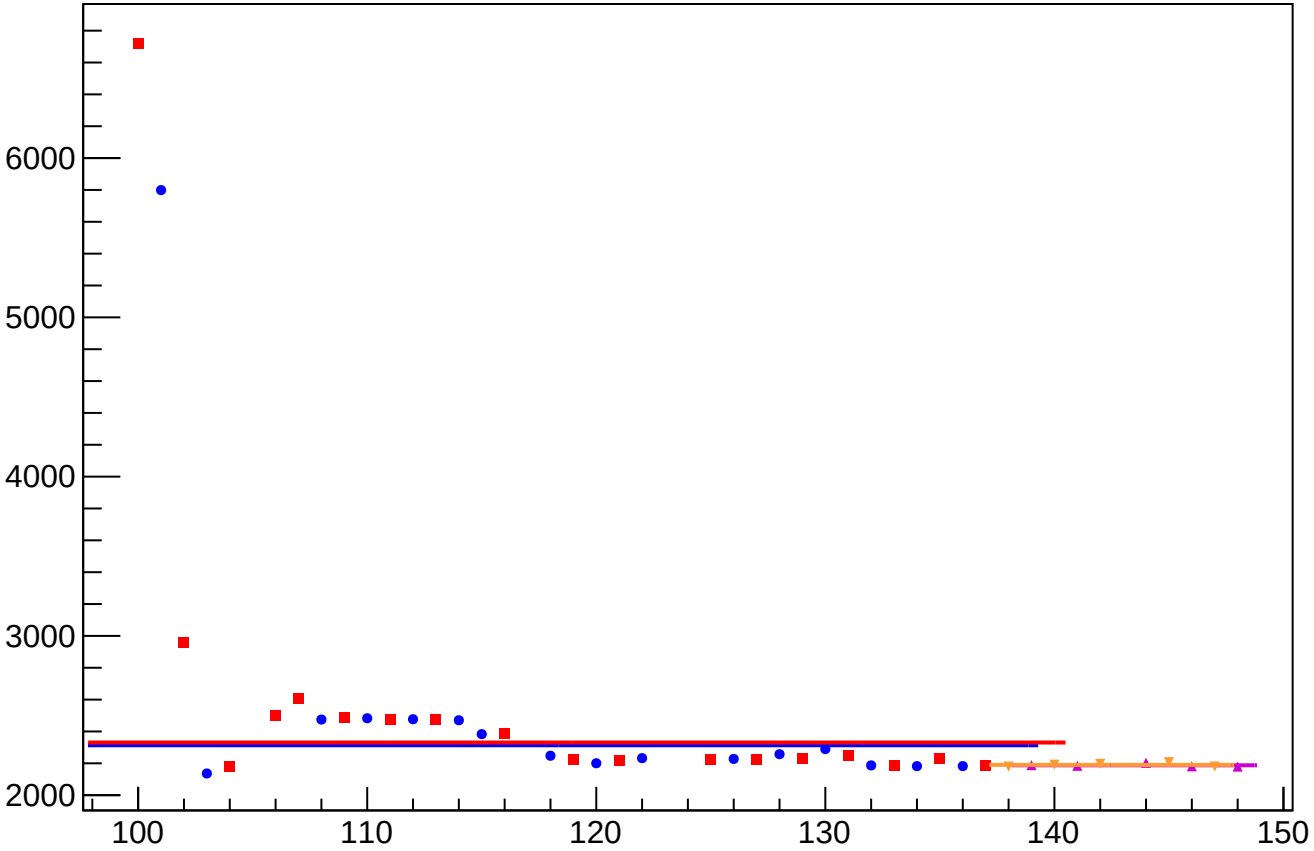
Left In: -4659.455+/-1045.889 χ^2/NDF:11.4/4

+ sign 4013.346+/-693.719 χ^2/NDF: 16.5/20

All: -272.421+/-481.745 χ^2/NDF: 118.0/43

- sign -4264.255+/-669.508 χ^2/NDF: 27.8/22

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

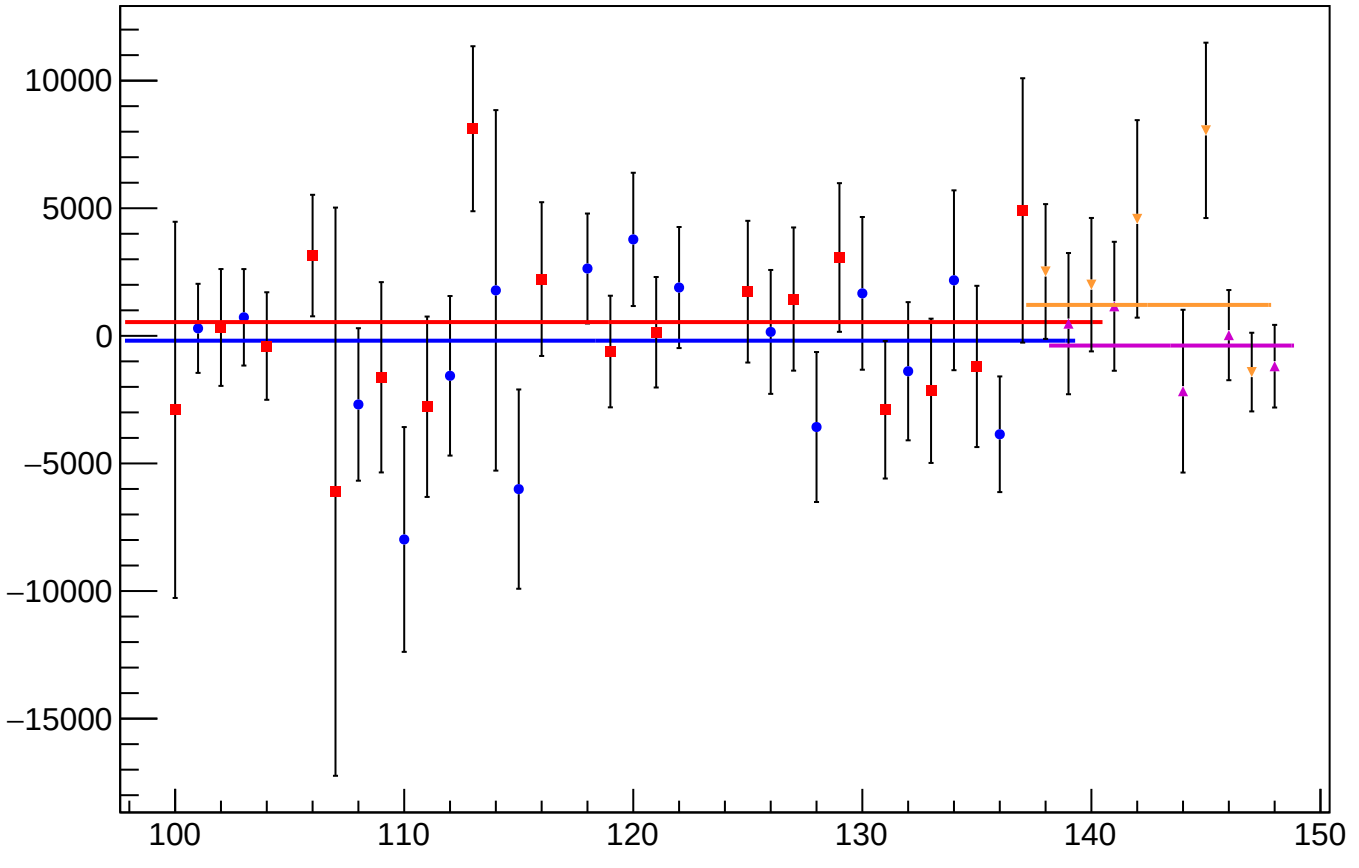
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.4/20

All: 2269.881+/-0.341 χ^2/NDF: 701079.8/43

- sign 2271.984+/-0.473 χ^2/NDF: 173754.4/22



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 1212.148+/-1076.958 χ^2/NDF:8.0/4

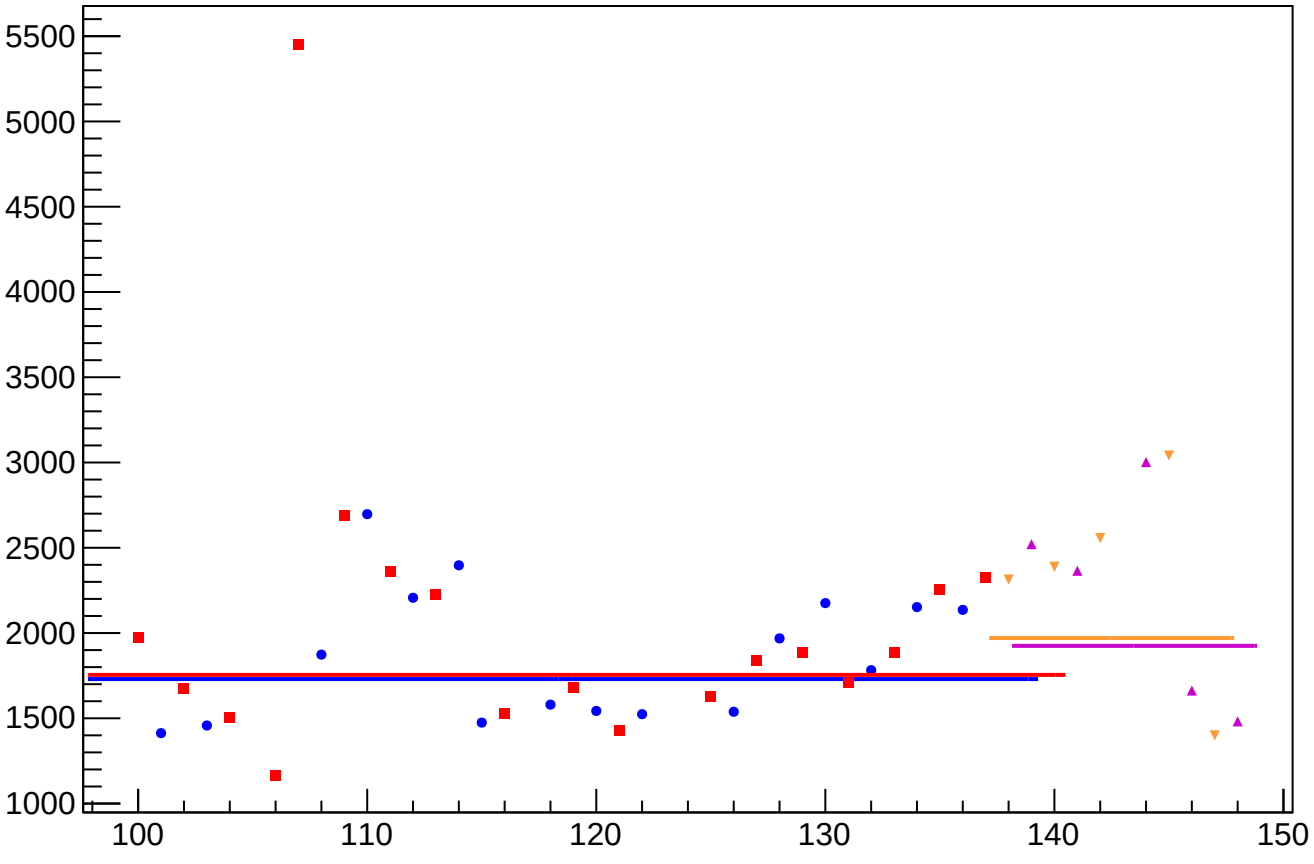
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -380.529+/-959.053 χ^2/NDF:1.1/4

\+ sign 191.485+/-561.620 χ^2/NDF: 25.6/20

All: 212.433+/-394.311 χ^2/NDF: 41.2/43

\- sign 232.798+/-553.743 χ^2/NDF: 15.6/22



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1970.569+/-0.762 χ^2/NDF:598927.7/4

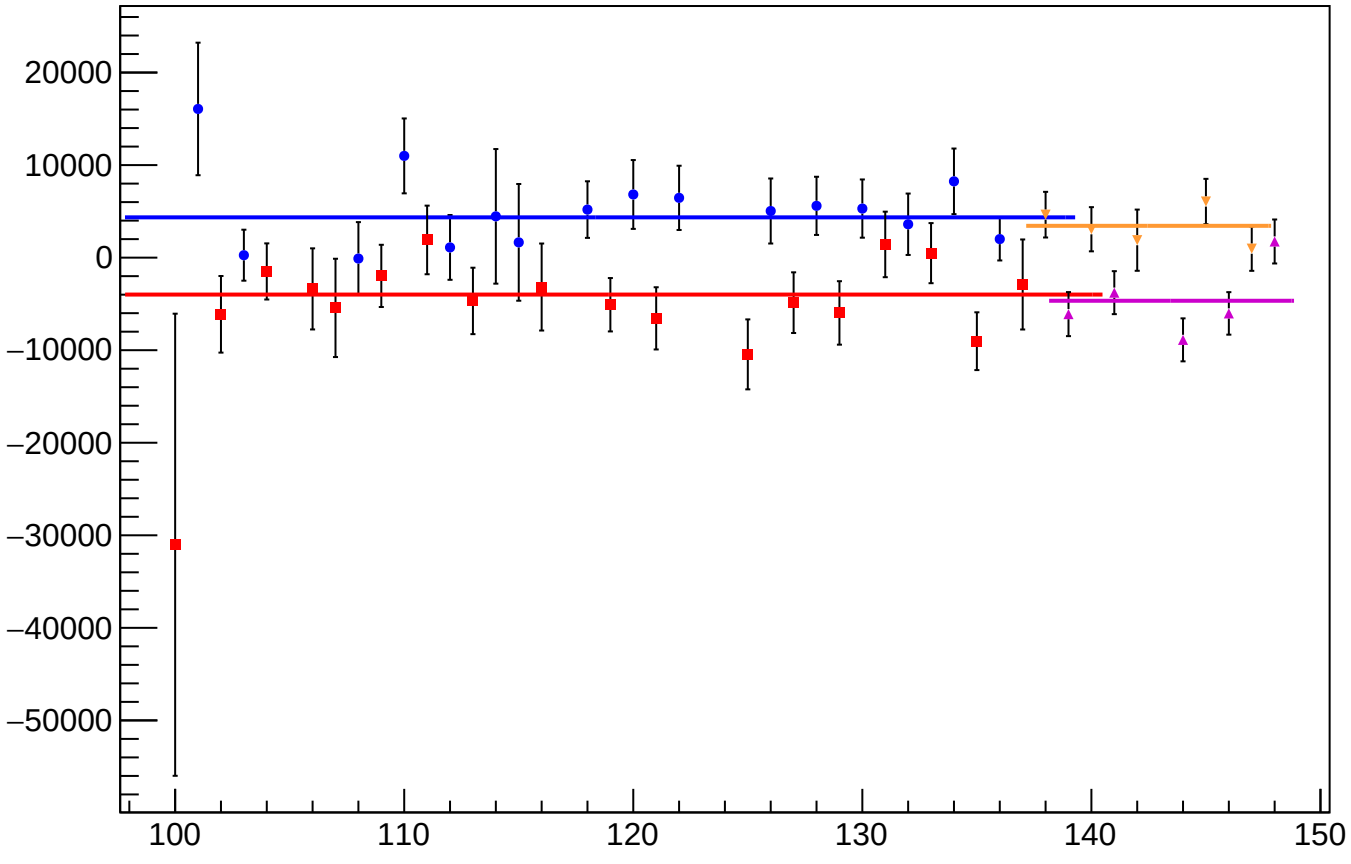
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

+ sign 1795.348+/-0.397 χ^2/NDF: 1151544.0/20

All: 1803.436+/-0.279 χ^2/NDF: 2521177.2/43

- sign 1811.298+/-0.392 χ^2/NDF: 1368815.3/22



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

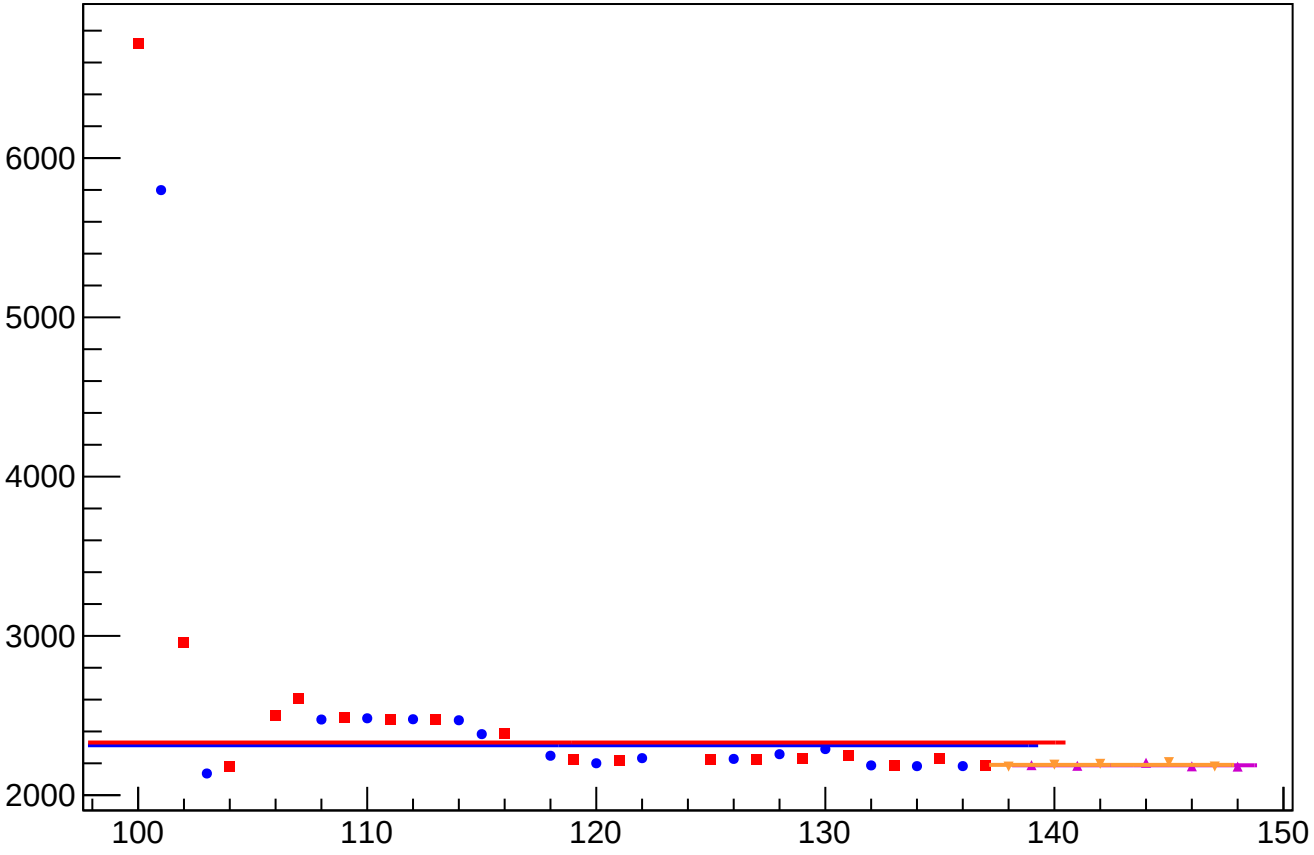
Left In: -4659.455+/-1045.889 χ^2/NDF:11.4/4

+ sign 4013.346+/-693.719 χ^2/NDF: 16.5/20

All: -272.421+/-481.745 χ^2/NDF: 118.0/43

- sign -4264.255+/-669.508 χ^2/NDF: 27.8/22

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

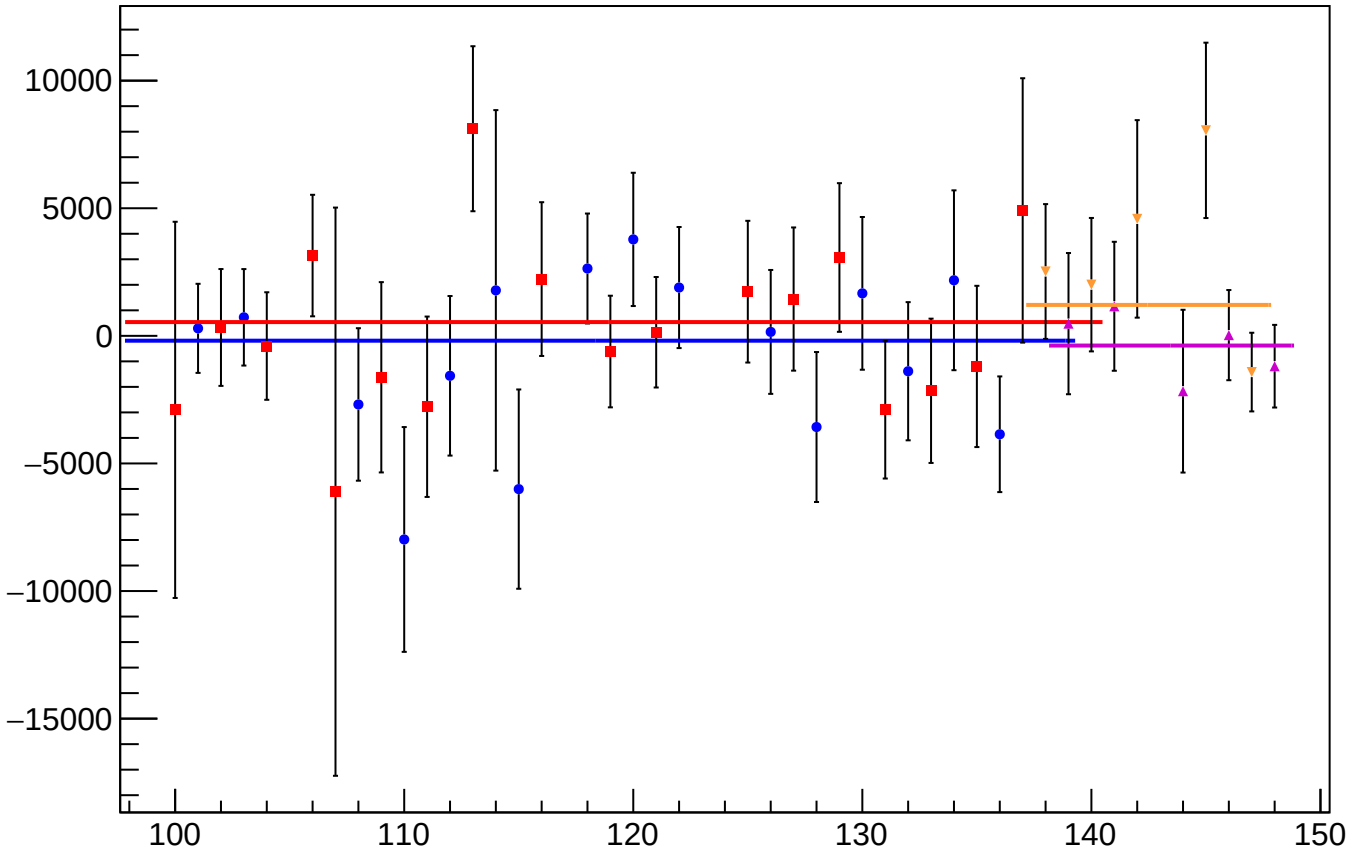
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2267.625+/-0.491 χ^2/NDF: 527284.4/20

All: 2269.881+/-0.341 χ^2/NDF: 701079.8/43

- sign 2271.984+/-0.473 χ^2/NDF: 173754.4/22



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 1212.148+/-1076.958 χ^2/NDF:8.0/4

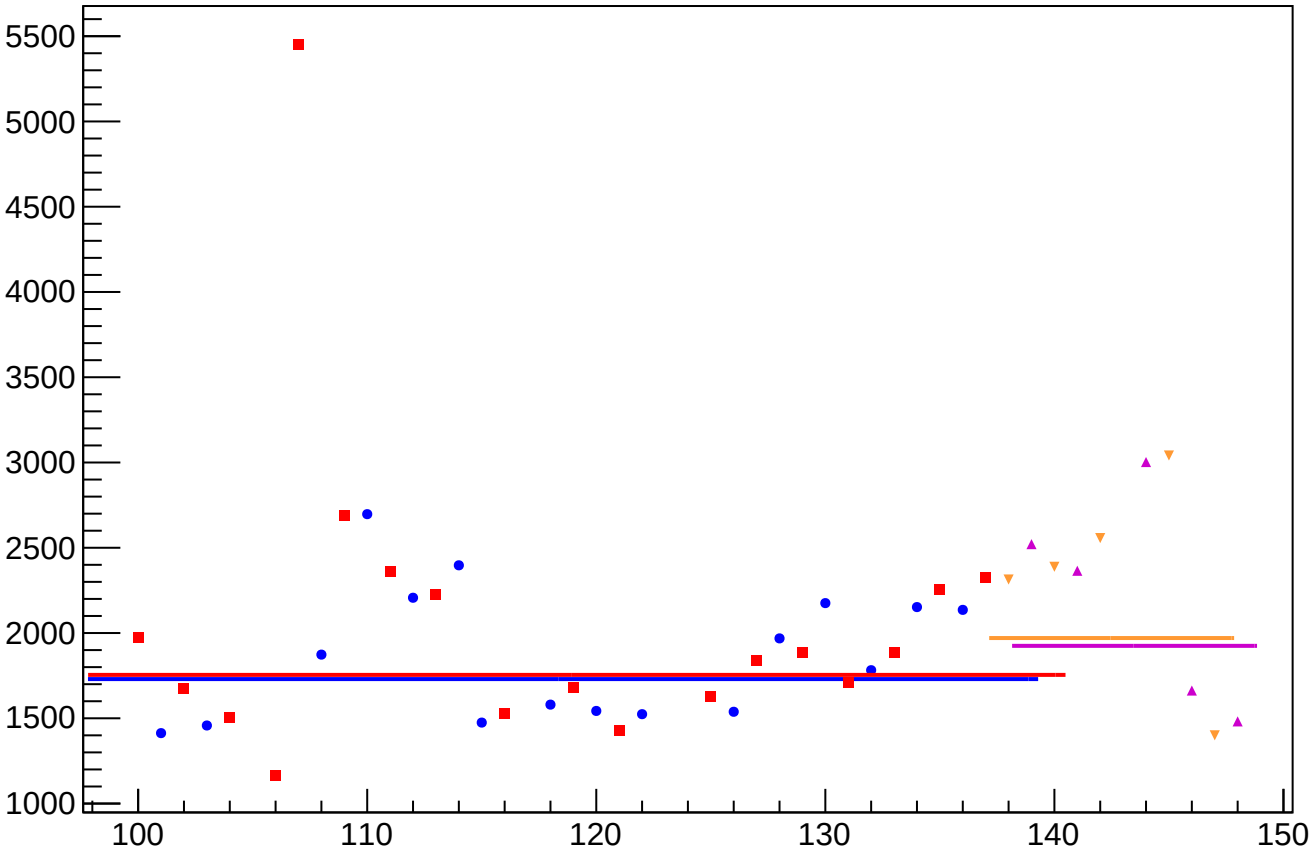
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -380.529+/-959.053 χ^2/NDF:1.1/4

+ sign 191.485+/-561.620 χ^2/NDF: 25.6/20

All: 212.433+/-394.311 χ^2/NDF: 41.2/43

- sign 232.798+/-553.743 χ^2/NDF: 15.6/22



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1970.569+/-0.762 χ^2/NDF:598927.7/4

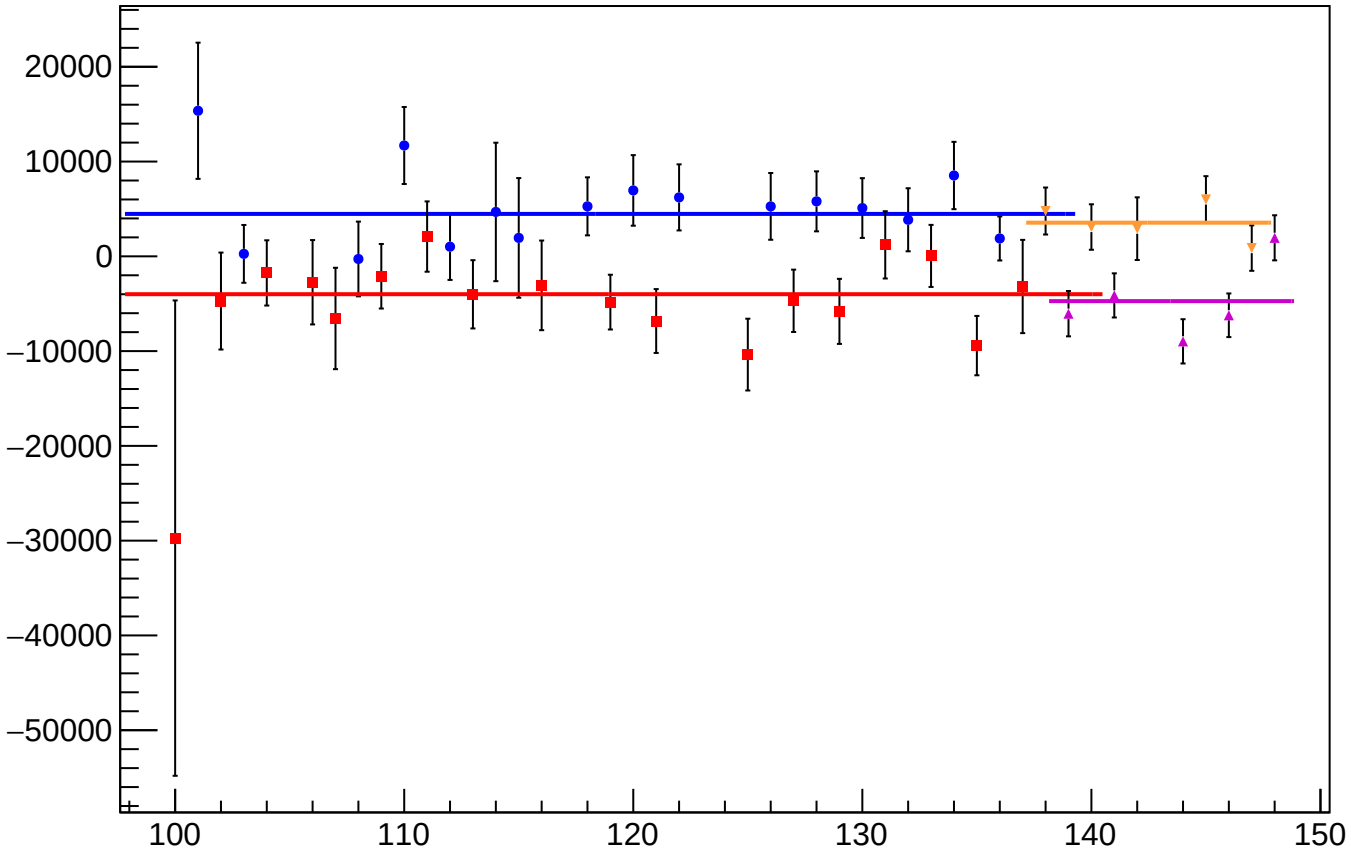
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

+ sign 1795.348+/-0.397 χ^2/NDF: 1151544.0/20

All: 1803.436+/-0.279 χ^2/NDF: 2521177.2/43

- sign 1811.298+/-0.392 χ^2/NDF: 1368815.3/22



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

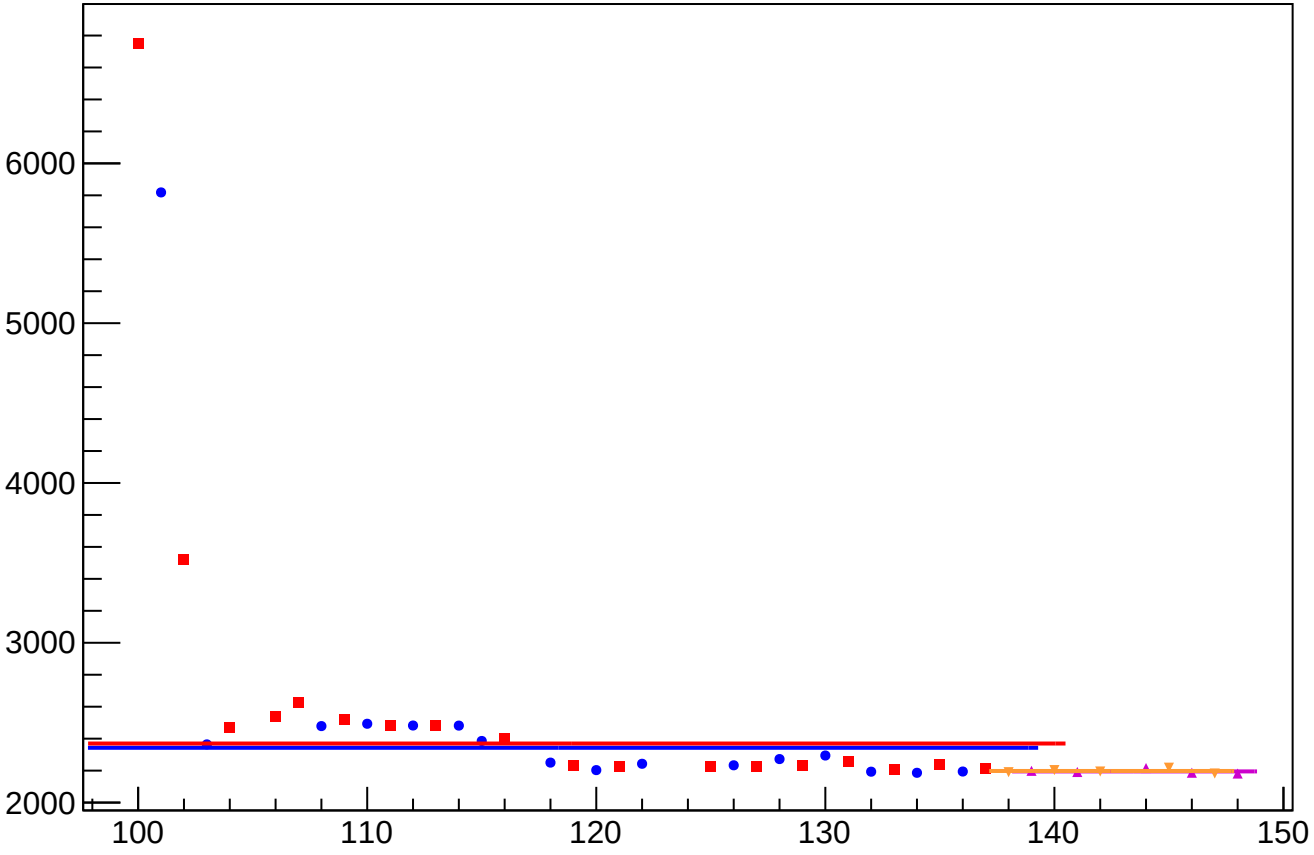
Left In: -4726.374+/-1049.519 χ^2/NDF:12.0/4

+ sign 4128.876+/-700.061 χ^2/NDF: 16.5/20

All: -215.147+/-487.397 χ^2/NDF: 119.0/43

- sign -4301.584+/-678.988 χ^2/NDF: 27.8/22

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

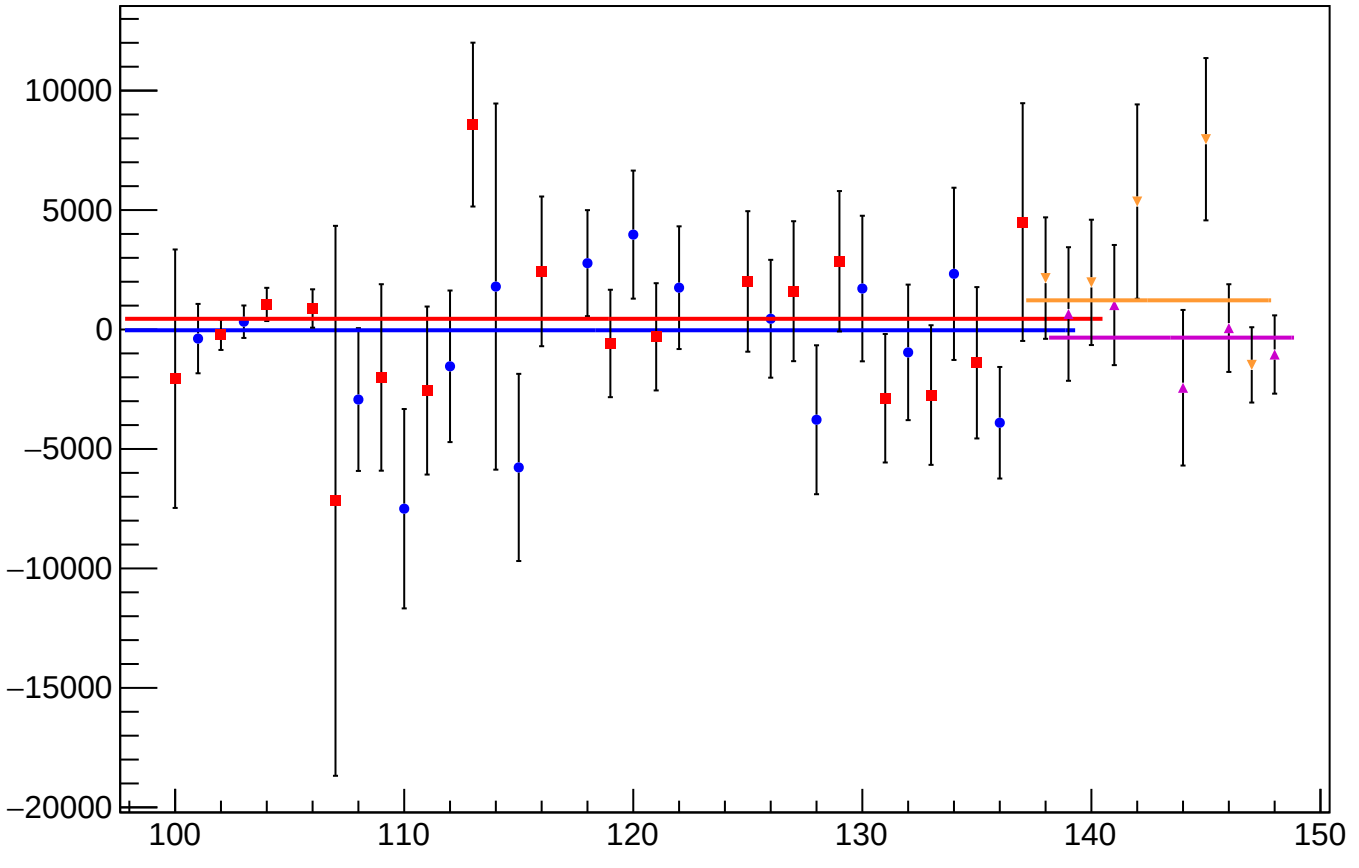
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

+ sign 2288.363+/-0.495 χ^2/NDF: 523295.0/20

All: 2292.563+/-0.345 χ^2/NDF: 766012.1/43

- sign 2296.514+/-0.480 χ^2/NDF: 242577.4/22



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

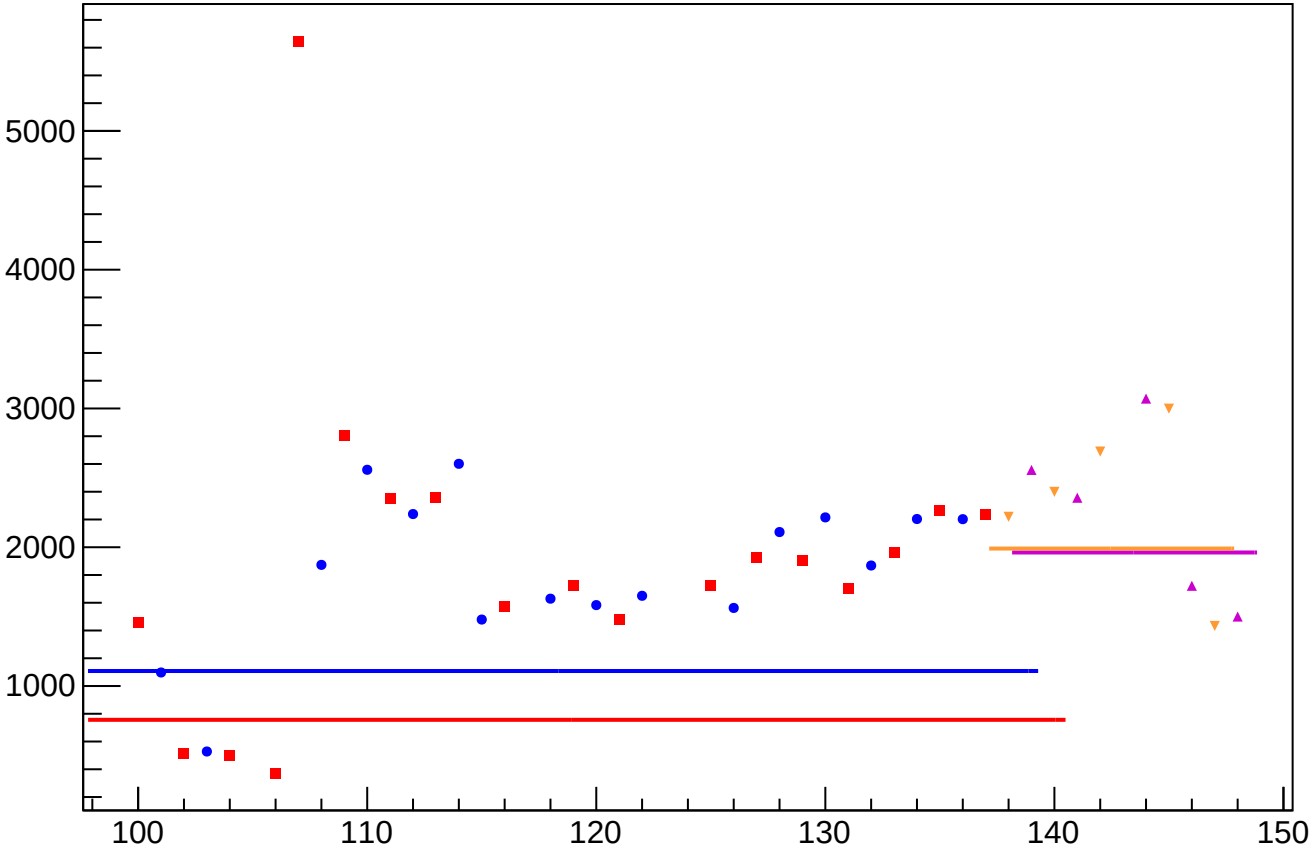
Left In: -339.697+/-976.078 χ^2/NDF:1.1/4

+ sign 177.568+/-443.020 χ^2/NDF: 25.6/20

All: 287.826+/-269.663 χ^2/NDF: 42.4/43

- sign 352.721+/-339.879 χ^2/NDF: 16.7/22

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1990.550+/-0.767 χ^2/NDF:550194.2/4

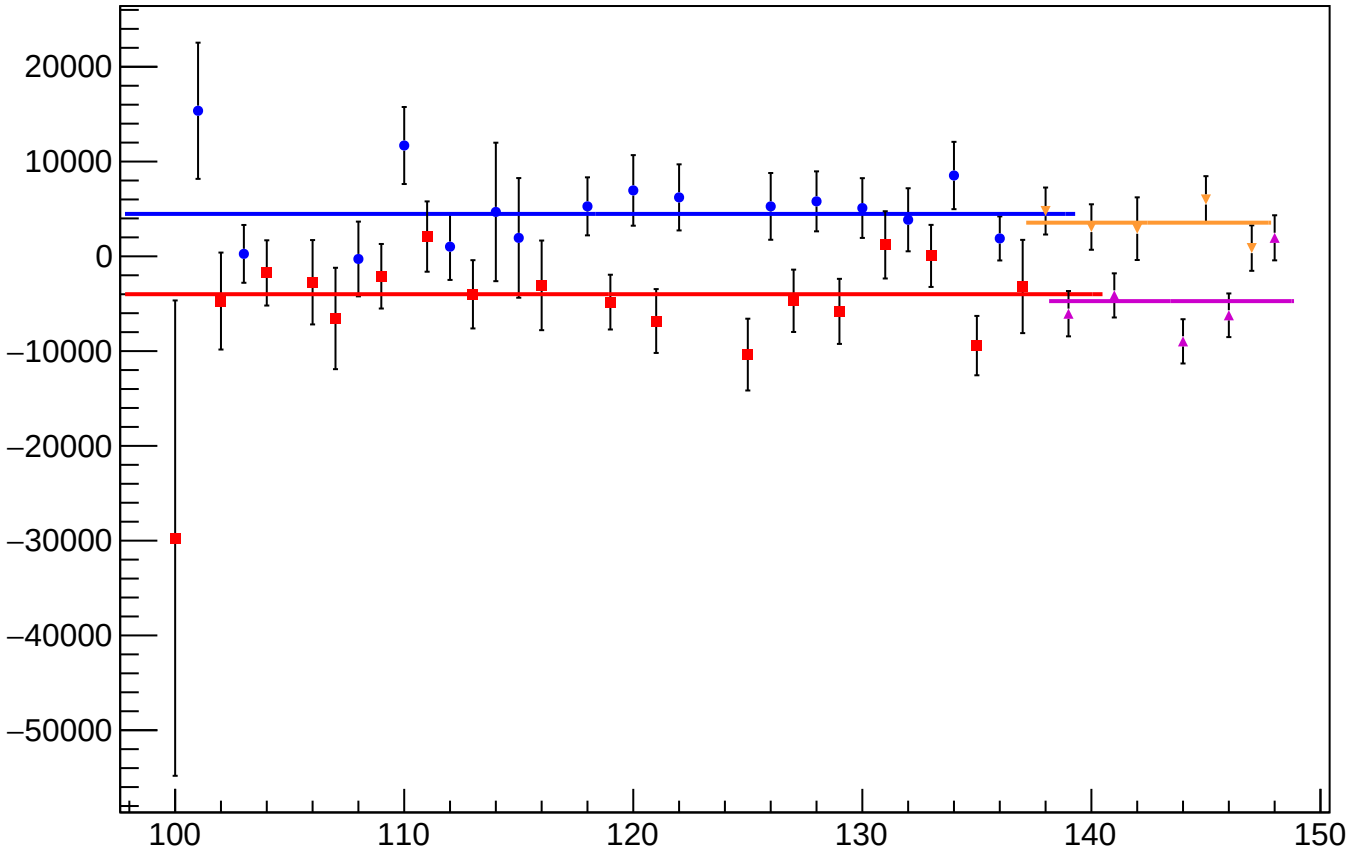
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1962.238+/-0.690 χ^2/NDF:564630.7/4

+ sign 1255.282+/-0.313 χ^2/NDF: 5399142.0/20

All: 1033.286+/-0.191 χ^2/NDF: 15046963.9/4

- sign 902.624+/-0.240 χ^2/NDF: 8850044.8/22



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

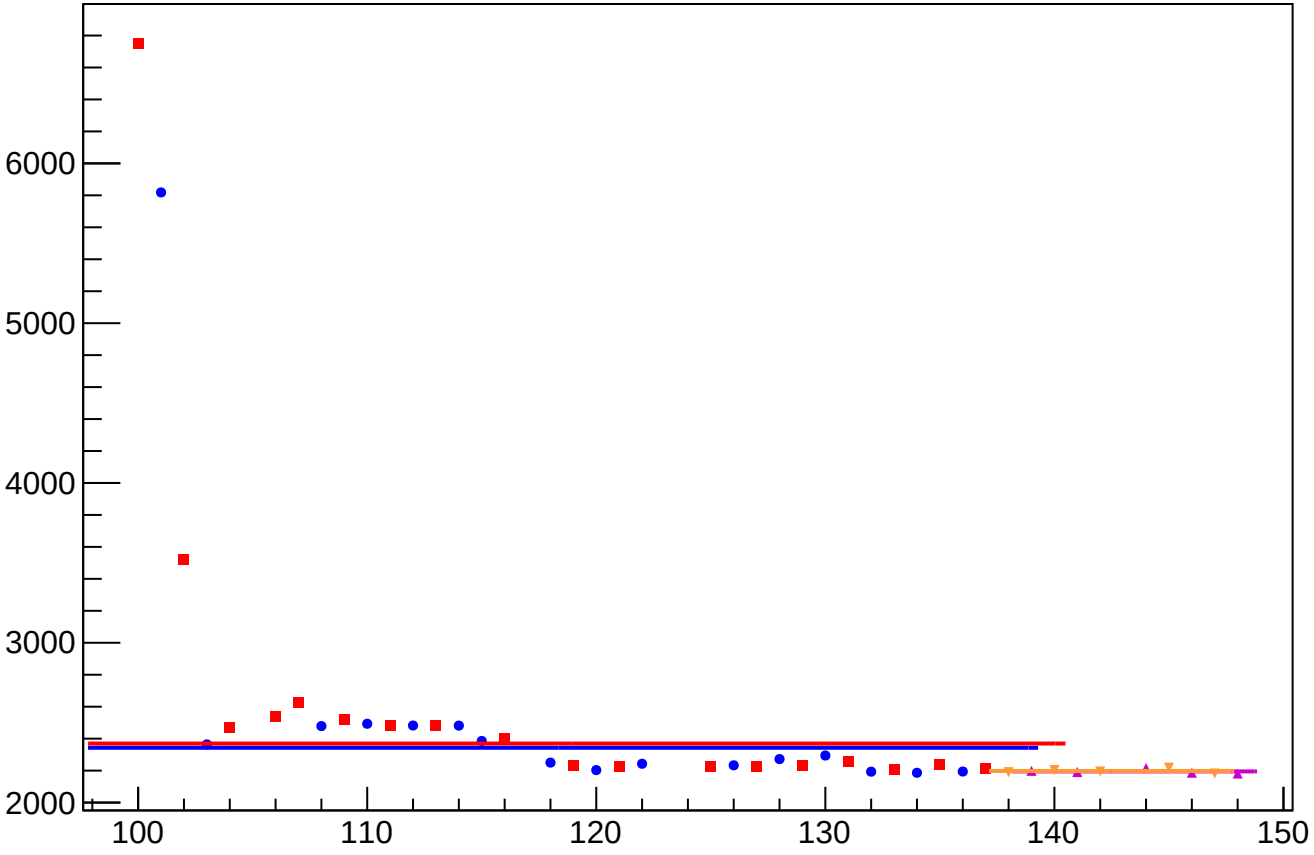
Left In: -4726.374+/-1049.519 χ^2/NDF:12.0/4

+ sign 4128.876+/-700.061 χ^2/NDF: 16.5/20

All: -215.146+/-487.397 χ^2/NDF: 119.0/43

- sign -4301.581+/-678.988 χ^2/NDF: 27.8/22

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

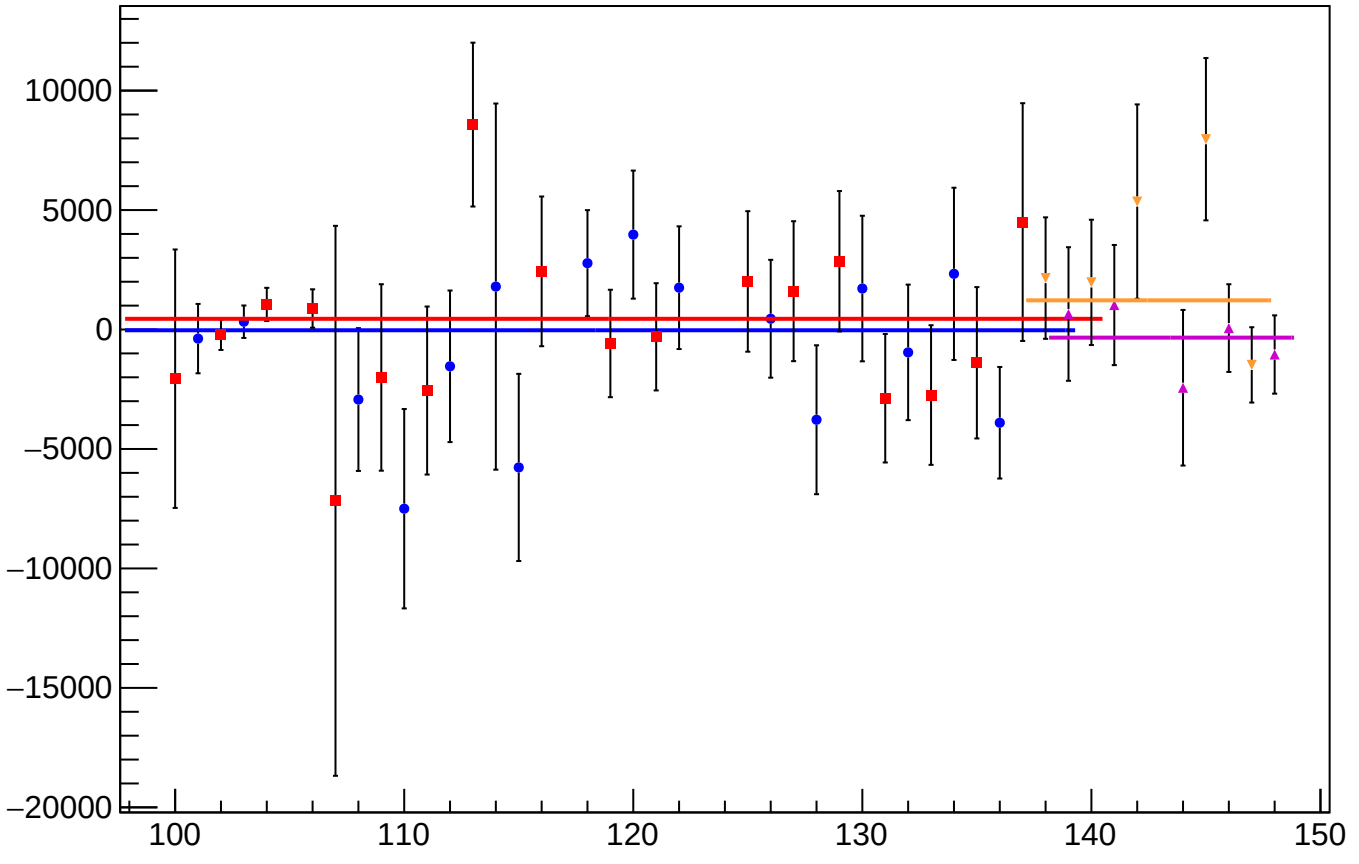
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

+ sign 2288.362+/-0.495 χ^2/NDF: 523294.9/20

All: 2292.562+/-0.345 χ^2/NDF: 766010.7/43

- sign 2296.513+/-0.480 χ^2/NDF: 242576.2/22



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 1221.742+/-1084.902 χ^2/NDF:8.1/4

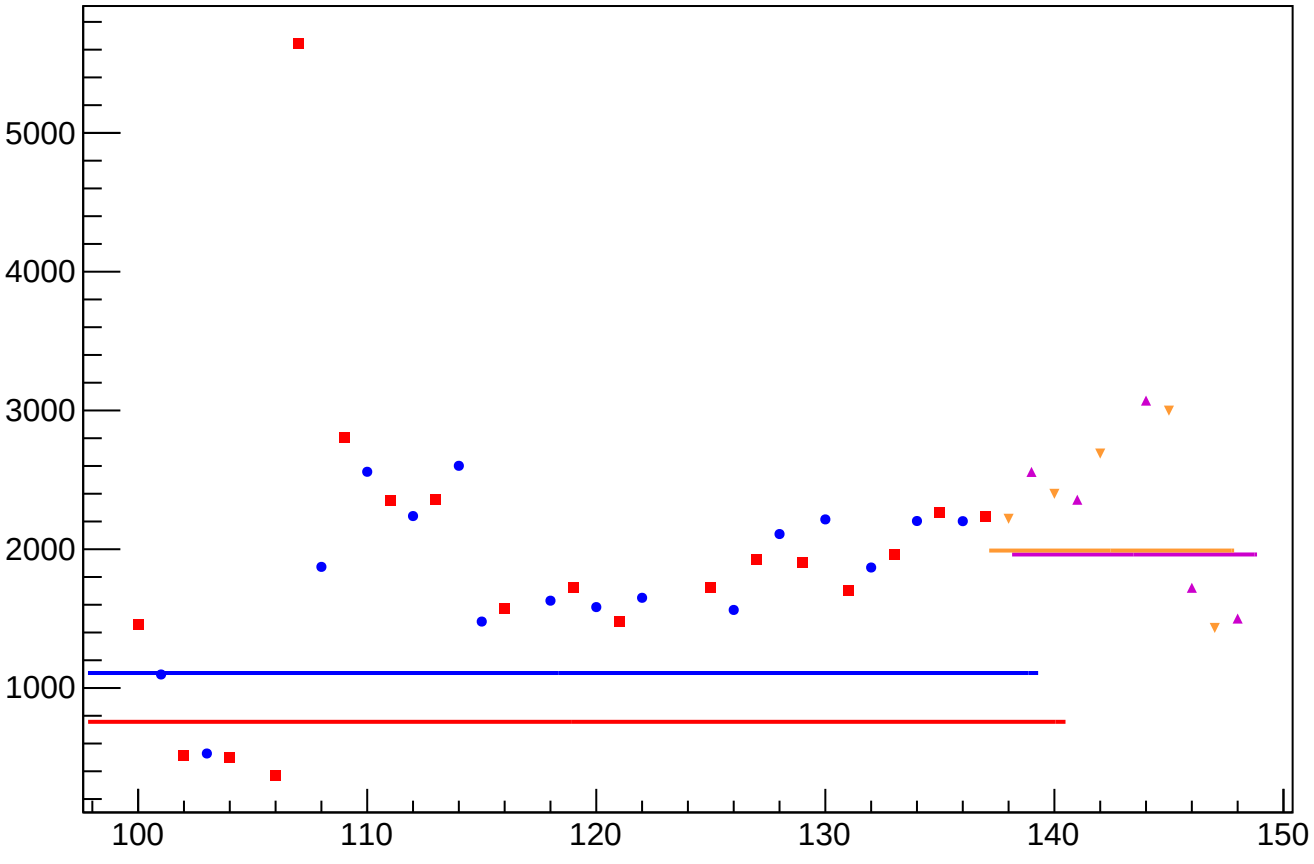
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -339.696+/-976.080 χ^2/NDF:1.1/4

+ sign 177.564+/-443.022 χ^2/NDF: 25.6/20

All: 287.825+/-269.665 χ^2/NDF: 42.4/43

- sign 352.723+/-339.883 χ^2/NDF: 16.7/22



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1990.553+/-0.767 χ^2/NDF:550194.4/4

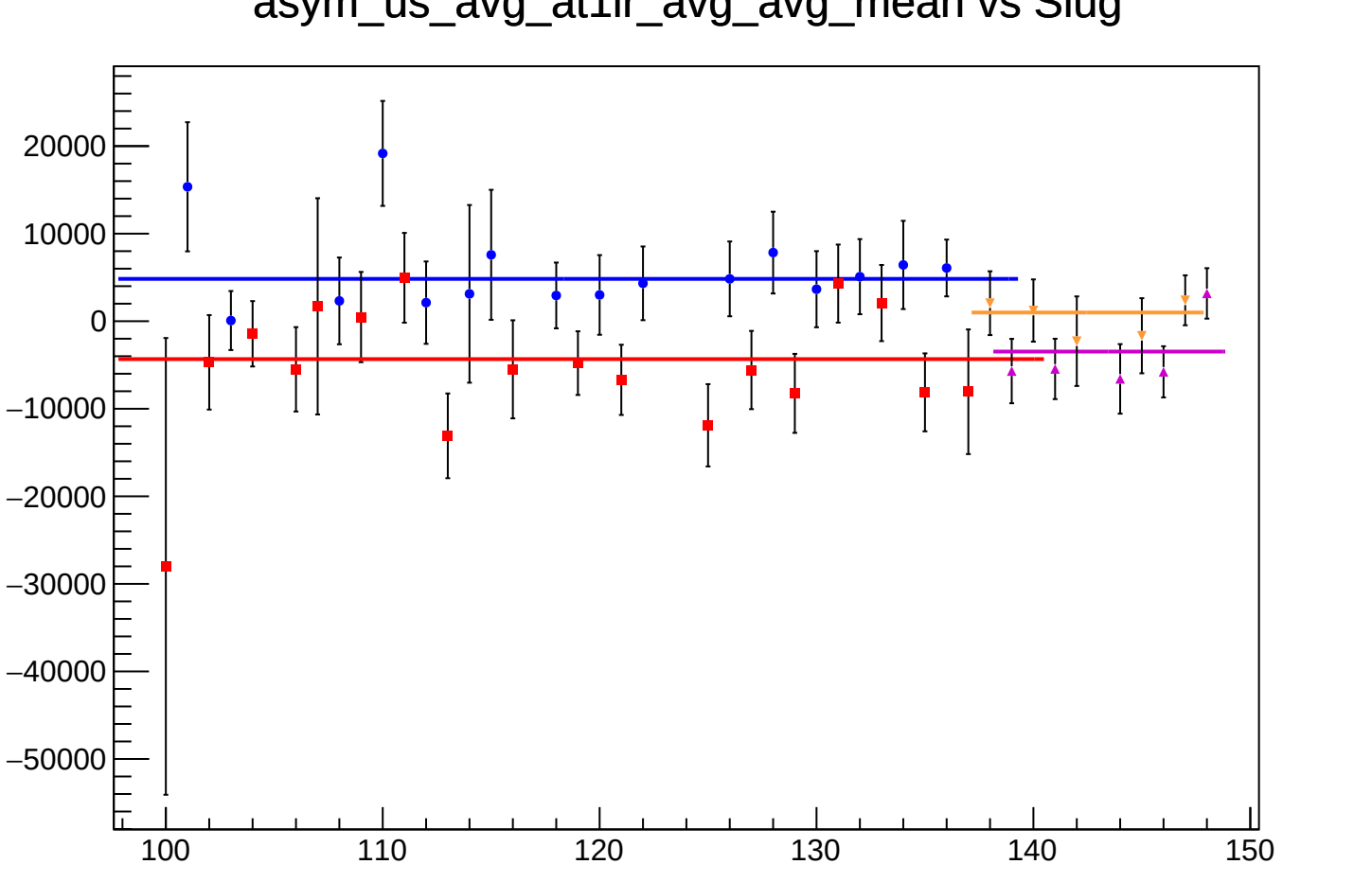
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1962.241+/-0.690 χ^2/NDF:564630.6/4

+ sign 1255.291+/-0.313 χ^2/NDF: 5399045.9/20

All: 1033.301+/-0.191 χ^2/NDF: 15046638.0/4

- sign 902.641+/-0.240 χ^2/NDF: 8849858.1/22



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

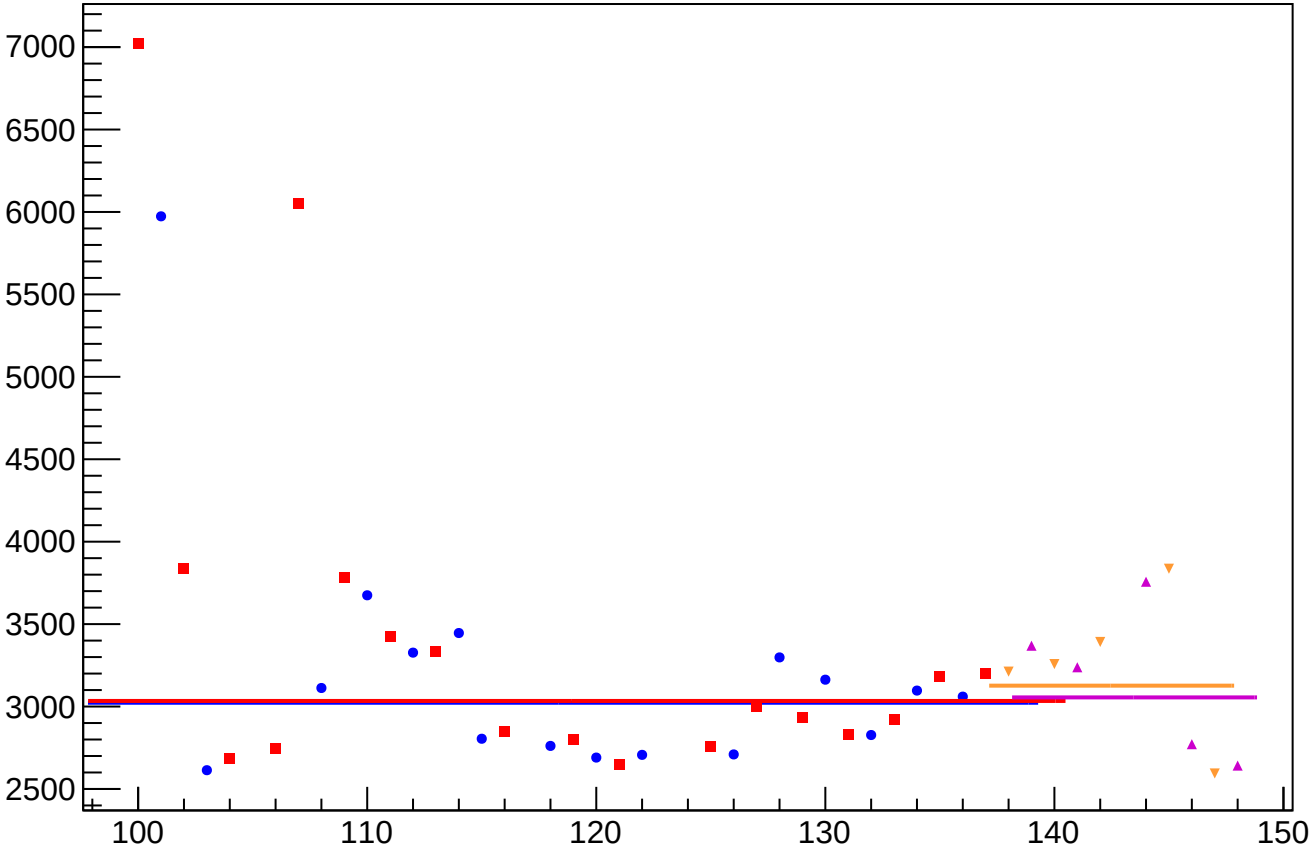
Left In: -3468.152+/-1476.021 χ^2/NDF:7.3/4

+ sign 3582.891+/-938.214 χ^2/NDF: 16.5/20

All: -350.189+/-651.162 χ^2/NDF: 77.8/43

- sign -4005.502+/-904.477 χ^2/NDF: 27.4/22

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

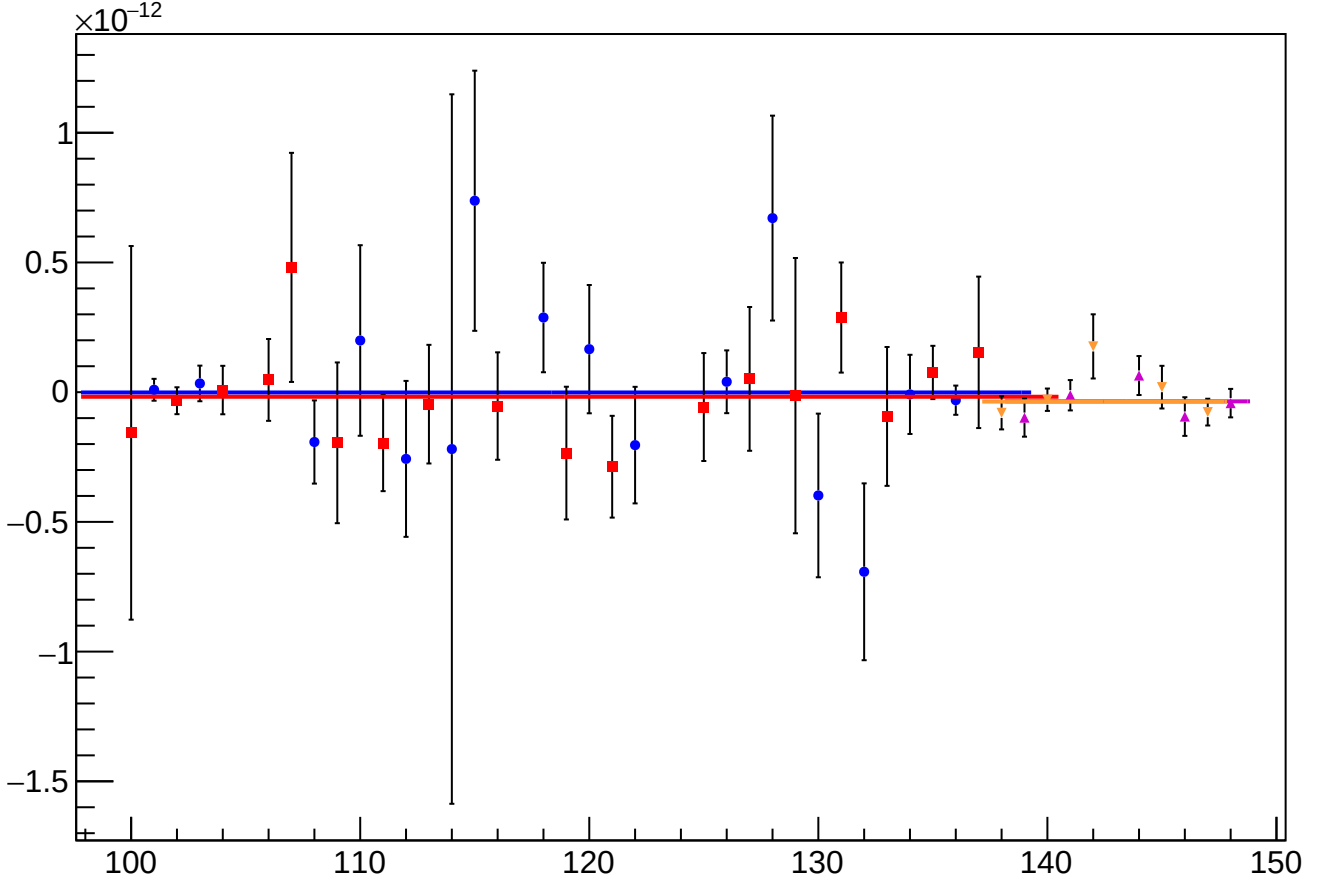
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3055.383+/-1.044 χ^2/NDF:142640.4/4

+ sign 3056.807+/-0.663 χ^2/NDF: 582714.6/20

All: 3049.105+/-0.460 χ^2/NDF: 1068555.1/43

- sign 3041.947+/-0.640 χ^2/NDF: 485580.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

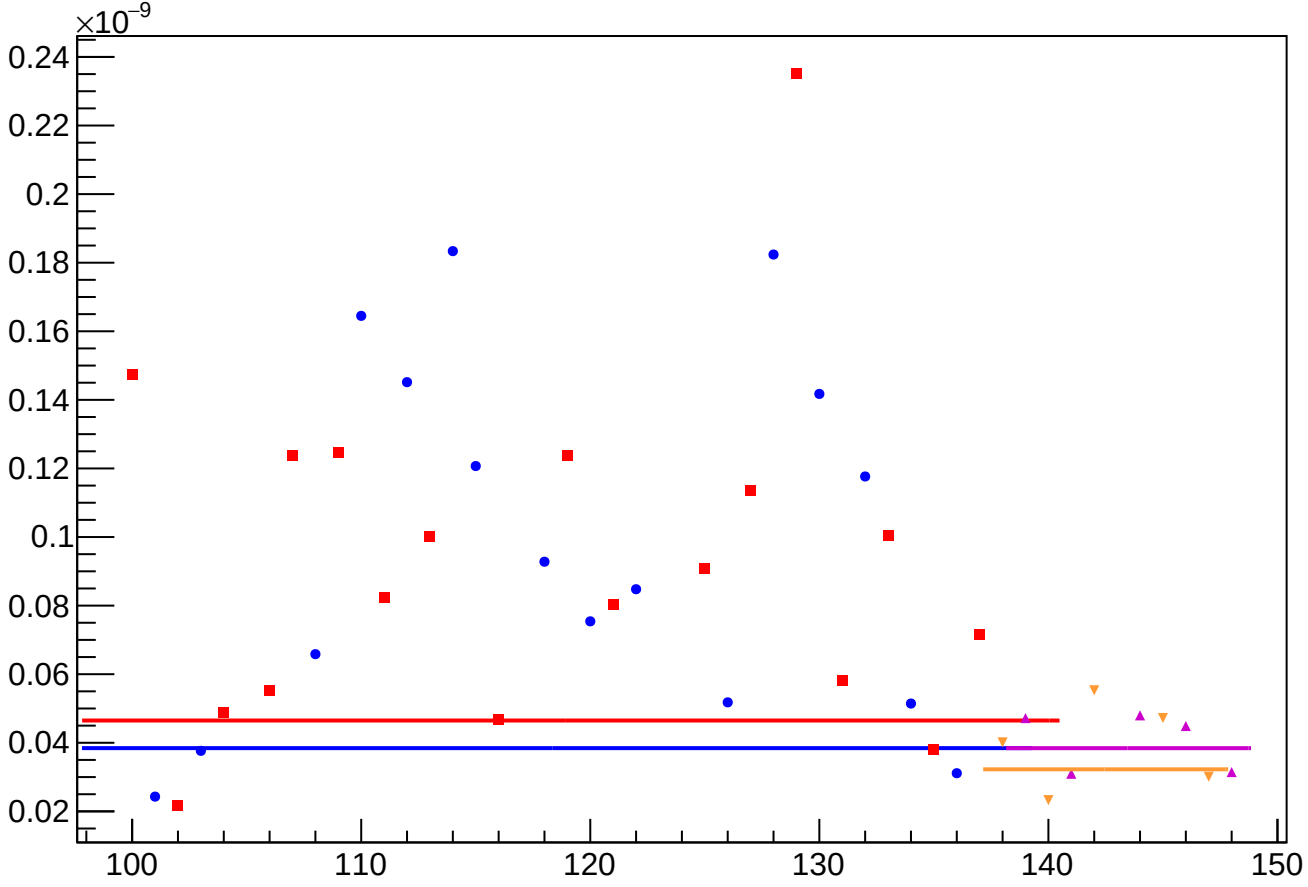
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 35.0/43

- sign -0.000+/-0.000 χ^2/NDF: 12.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:256168.4/4

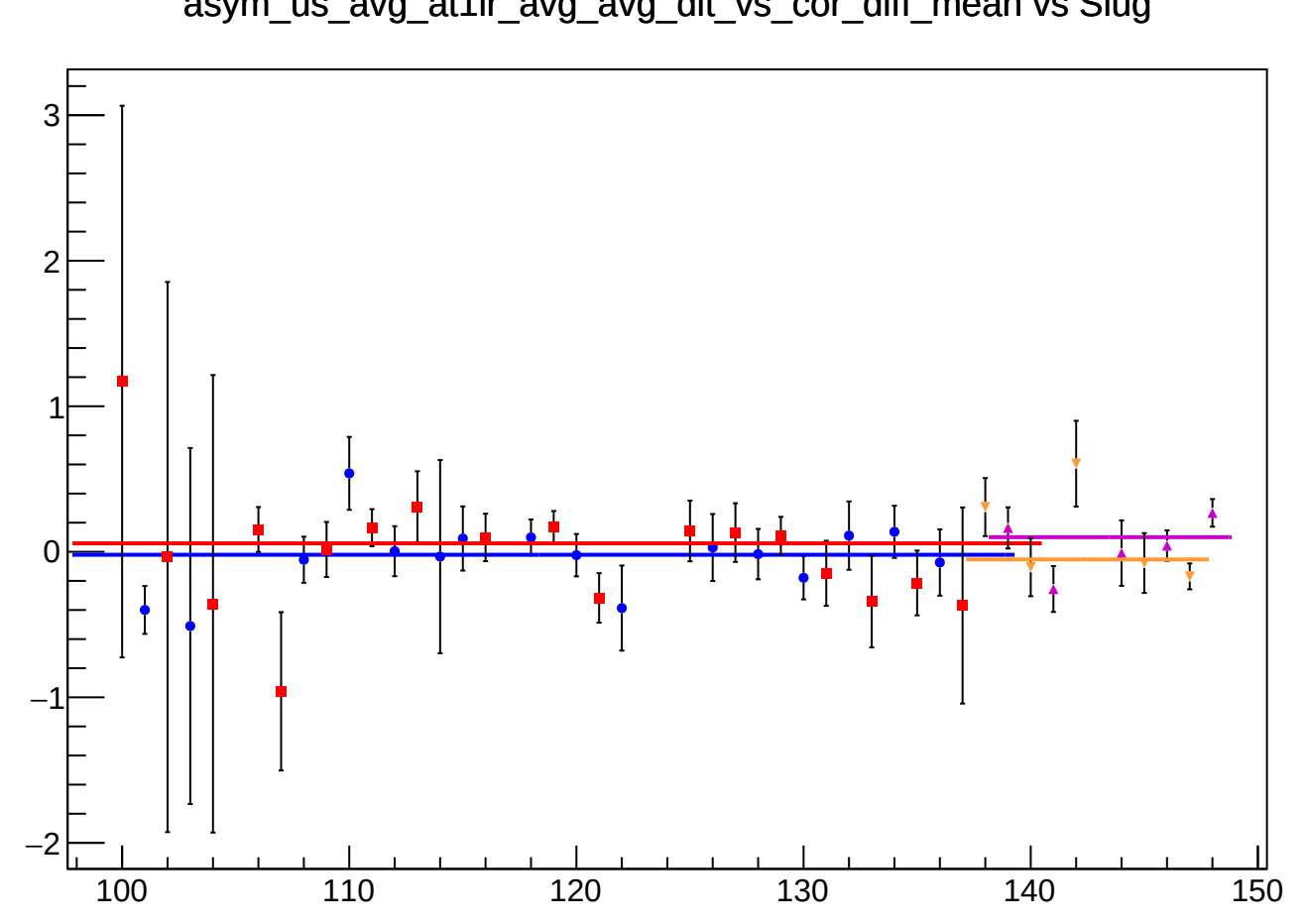
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:140858.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2079458.6/20

All: 0.000+/-0.000 χ^2/NDF: 4077836.7/43

- sign 0.000+/-0.000 χ^2/NDF: 1901497.6/22



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.053+/-0.069 χ^2/NDF:10.0/4

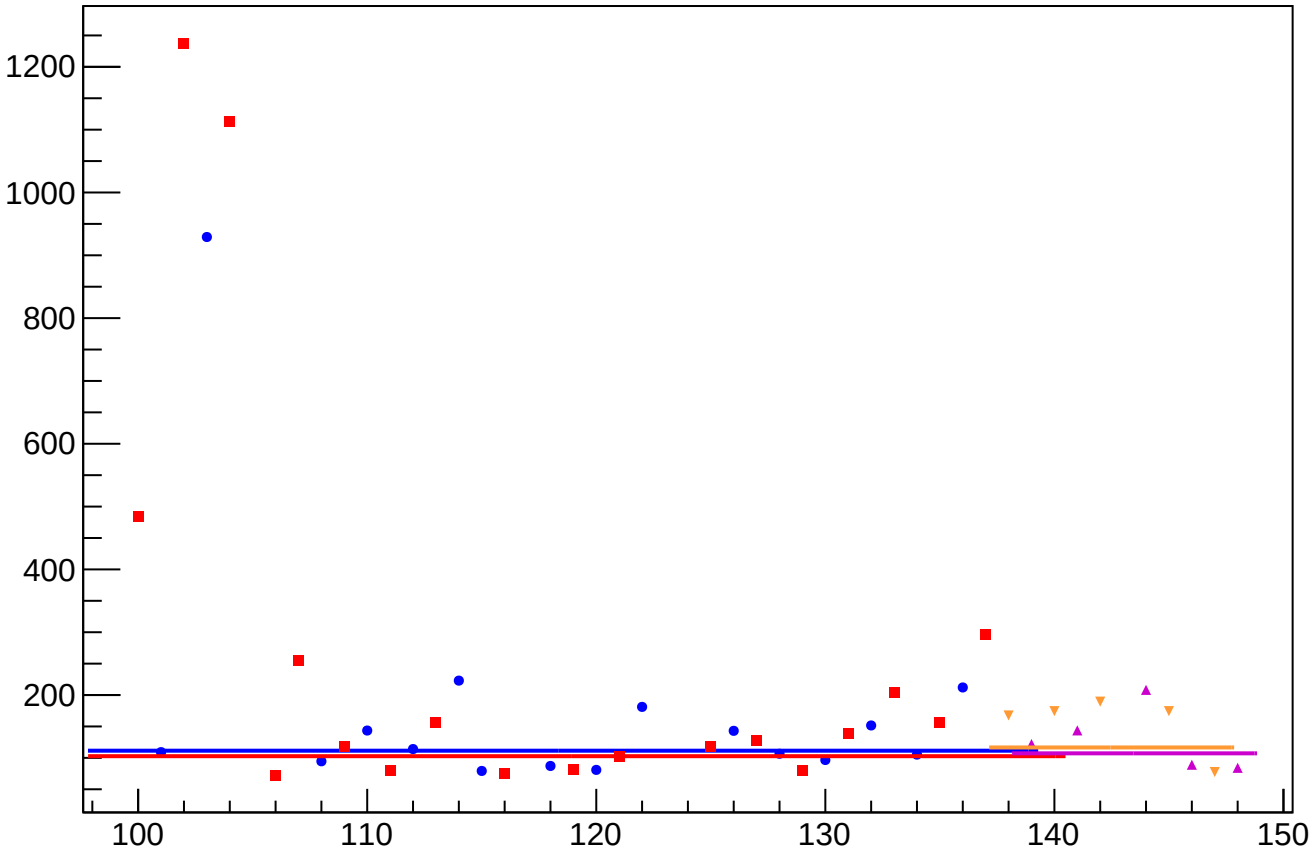
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.100+/-0.057 χ^2/NDF:8.9/4

+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.027+/-0.026 χ^2/NDF: 55.9/43

- sign 0.075+/-0.036 χ^2/NDF: 26.1/22



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 116.546+/-0.049 χ^2/NDF:965616.2/4

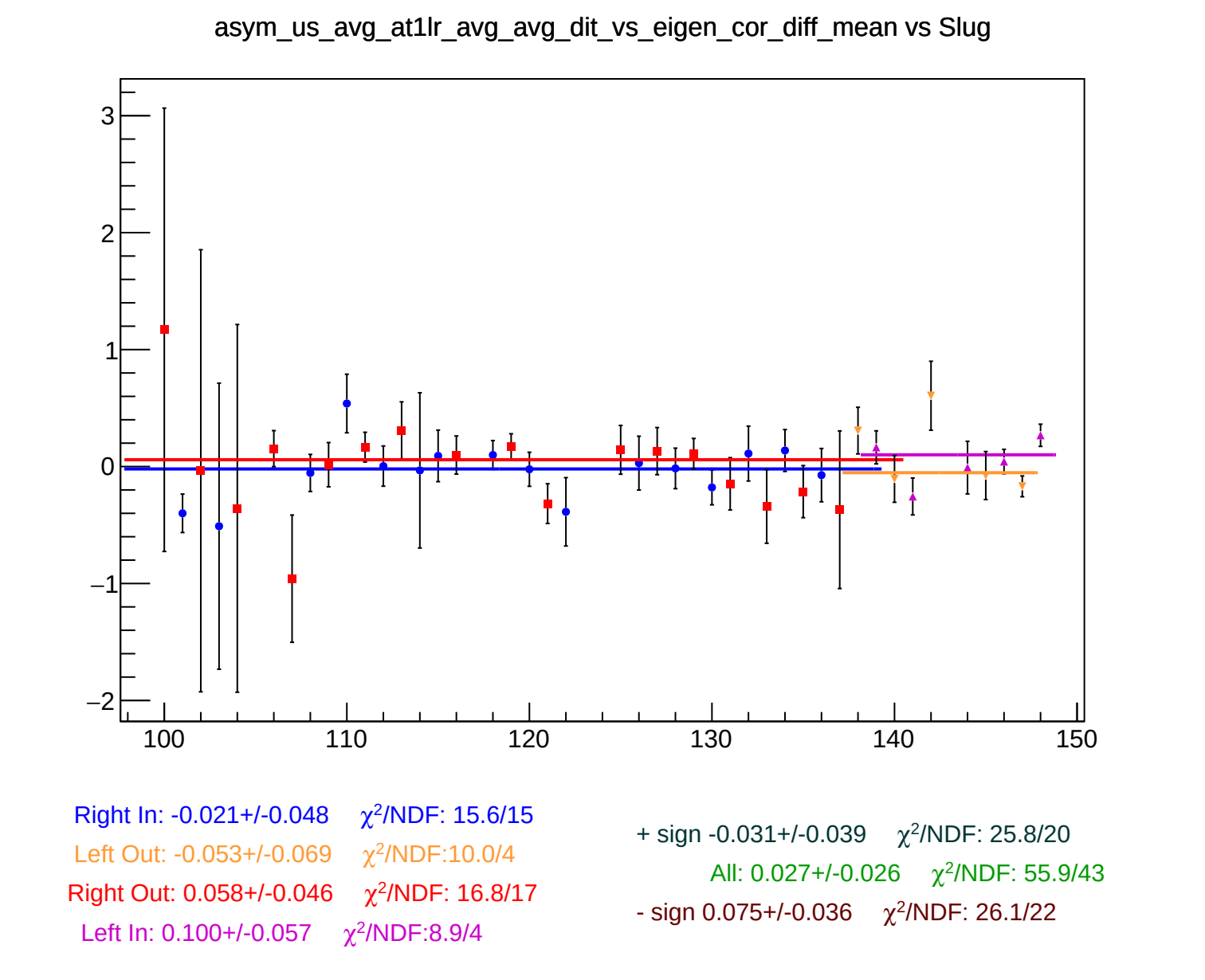
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

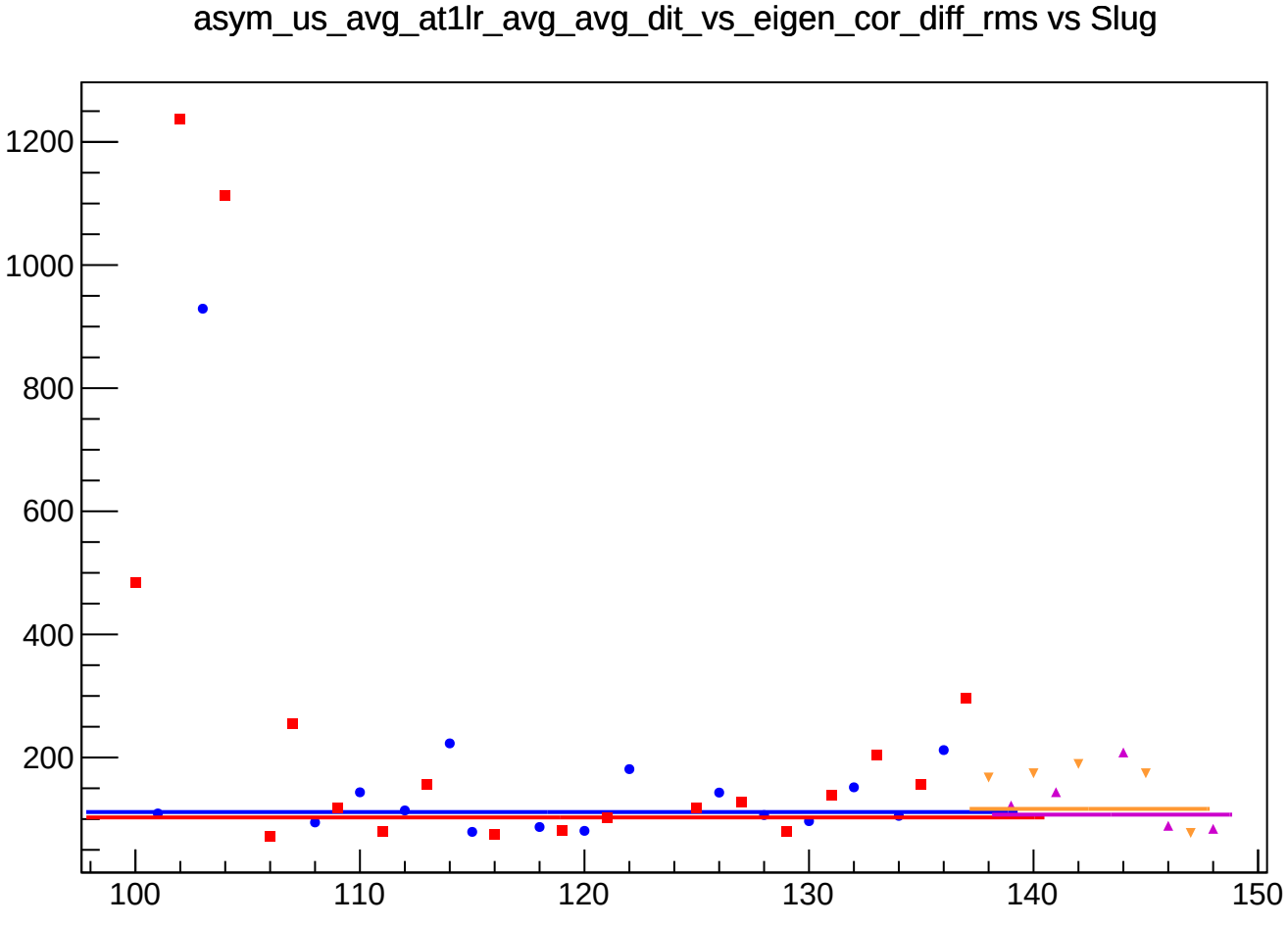
Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

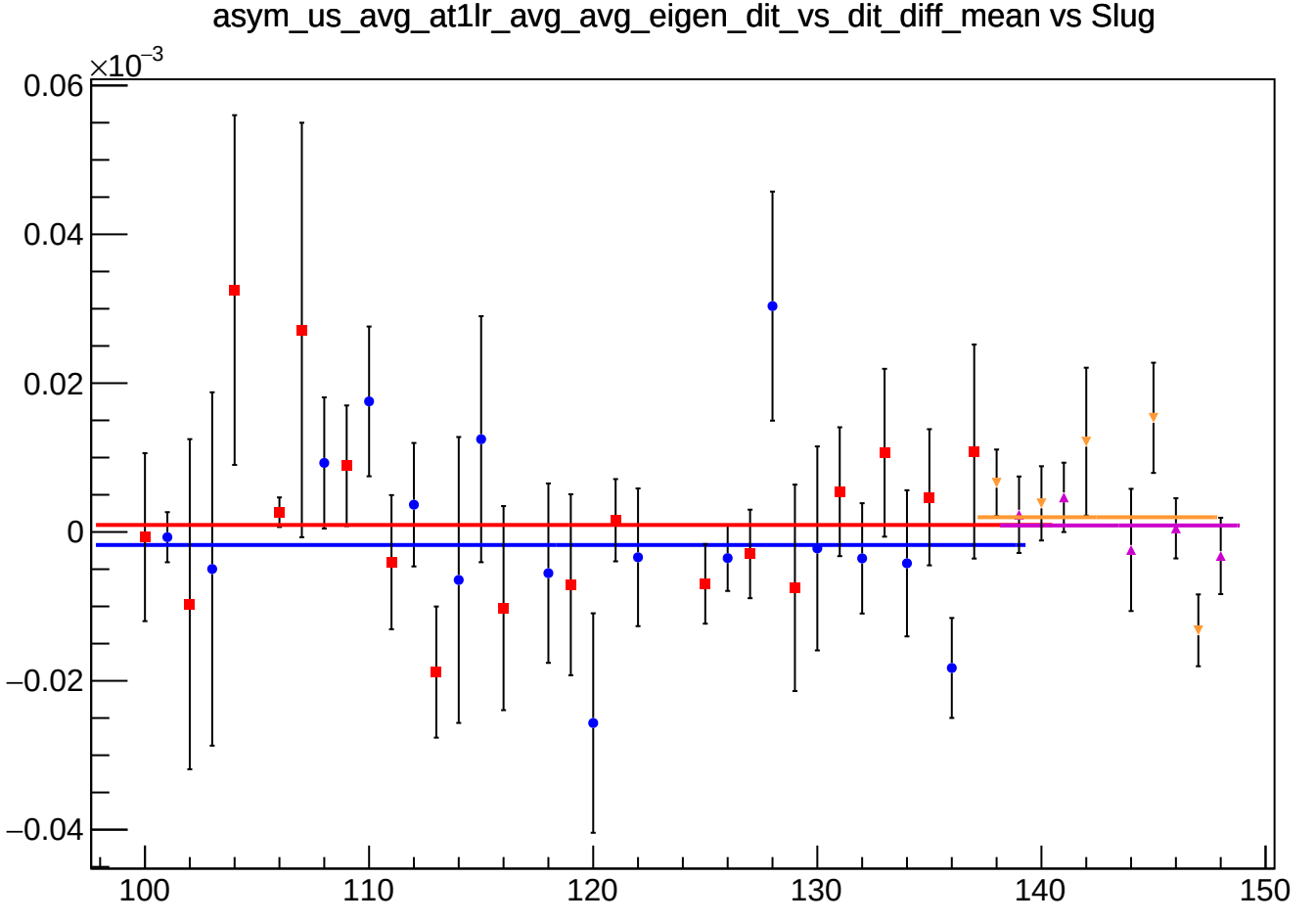
+ sign 113.075+/-0.028 χ^2/NDF: 2812535.8/20

All: 108.413+/-0.019 χ^2/NDF: 6410324.6/43

- sign 104.497+/-0.025 χ^2/NDF: 3545589.1/22


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.053+/-0.069 χ²/NDF:10.0/4
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.100+/-0.057 χ²/NDF:8.9/4
+ sign -0.031+/-0.039 χ²/NDF: 25.8/20
All: 0.027+/-0.026 χ²/NDF: 55.9/43
- sign 0.075+/-0.036 χ²/NDF: 26.1/22


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 116.546+/-0.049 χ²/NDF:965616.2/4
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 107.207+/-0.040 χ²/NDF:711054.6/4
+ sign 113.075+/-0.028 χ²/NDF: 2812535.8/20
All: 108.413+/-0.019 χ²/NDF: 6410324.6/43
- sign 104.497+/-0.025 χ²/NDF: 3545589.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

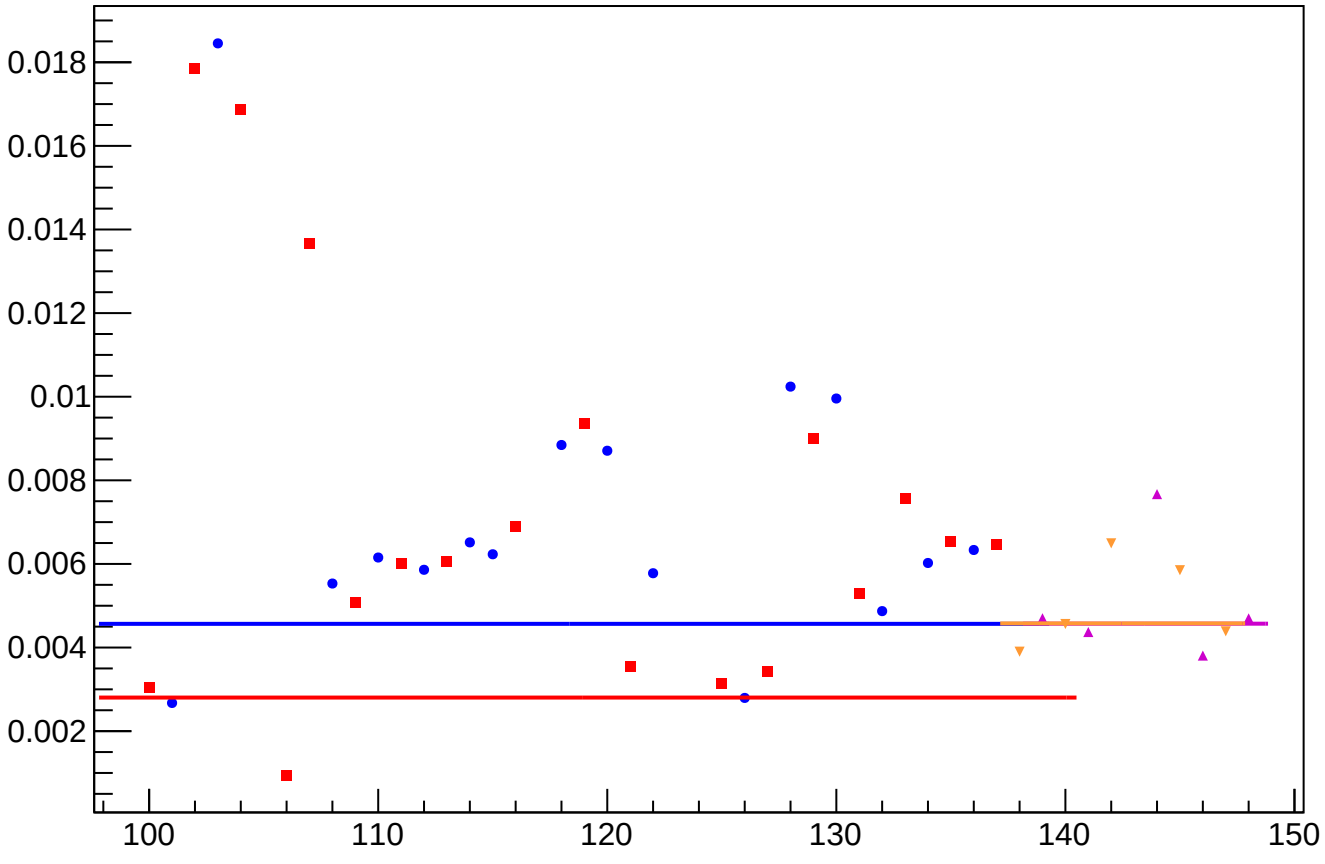
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/20

All: 0.000+/-0.000 χ^2/NDF: 54.6/43

- sign 0.000+/-0.000 χ^2/NDF: 17.3/22



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:182170.1/4

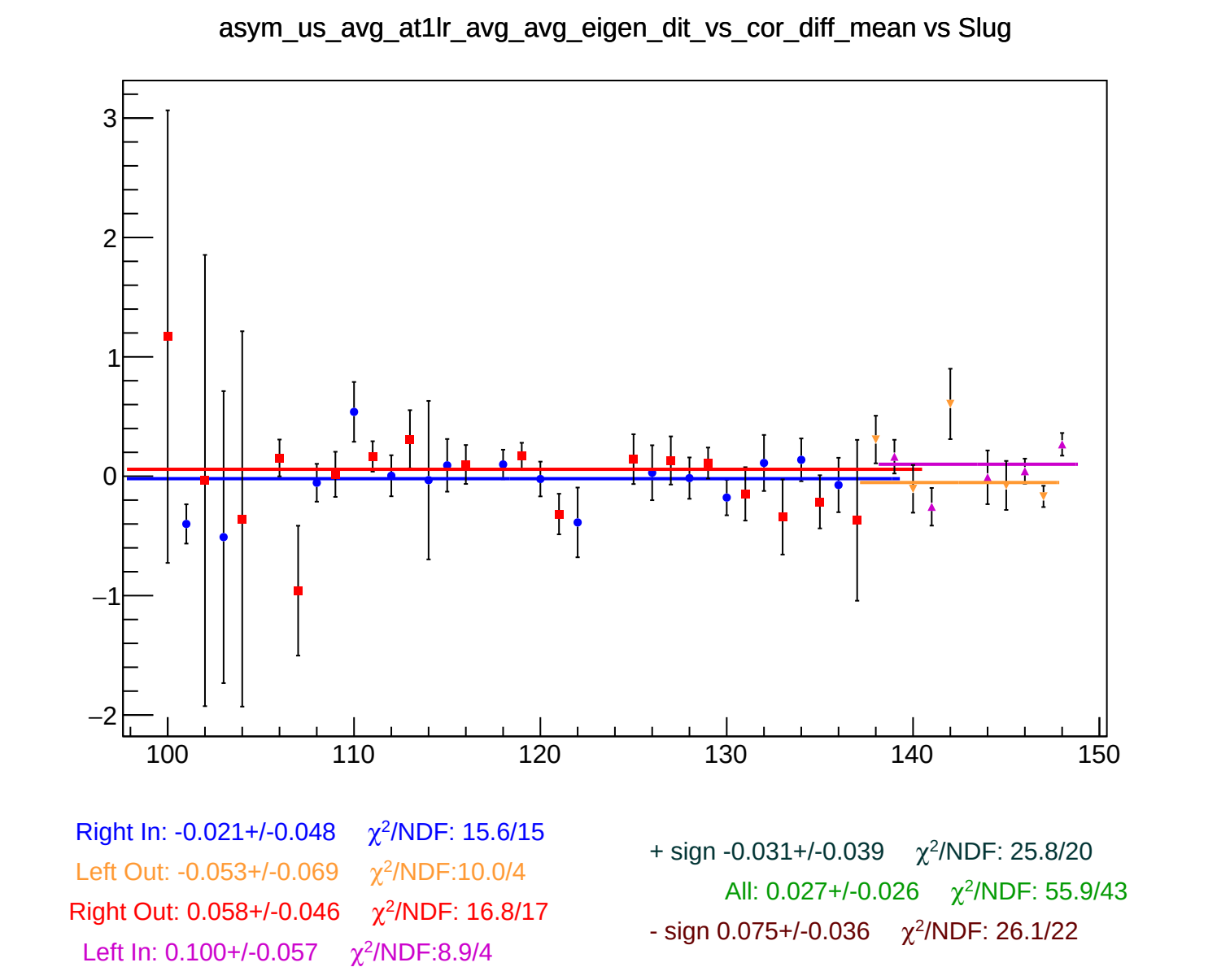
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

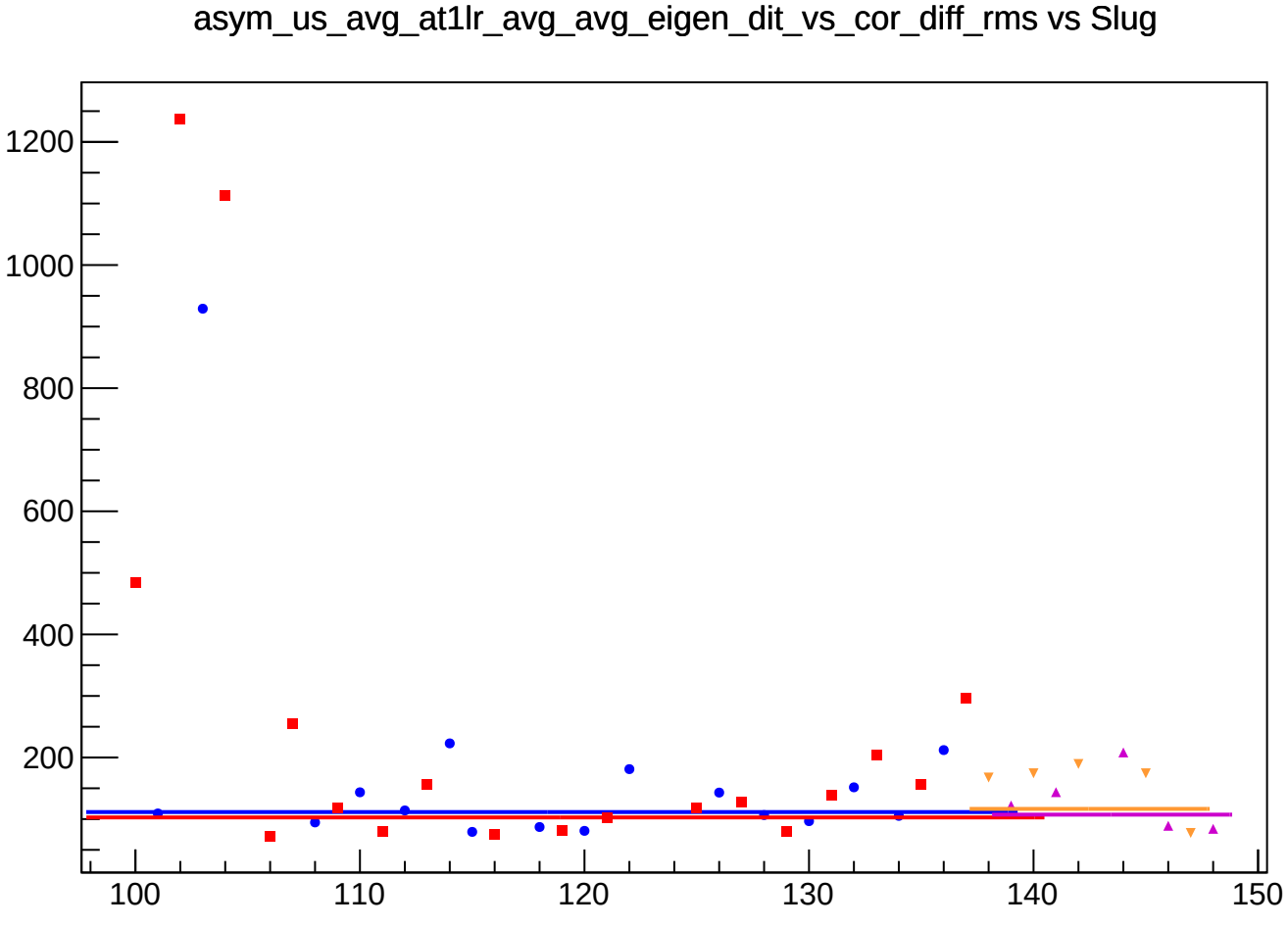
Left In: 0.005+/-0.000 χ^2/NDF:362191.3/4

+ sign 0.005+/-0.000 χ^2/NDF: 3194450.3/20

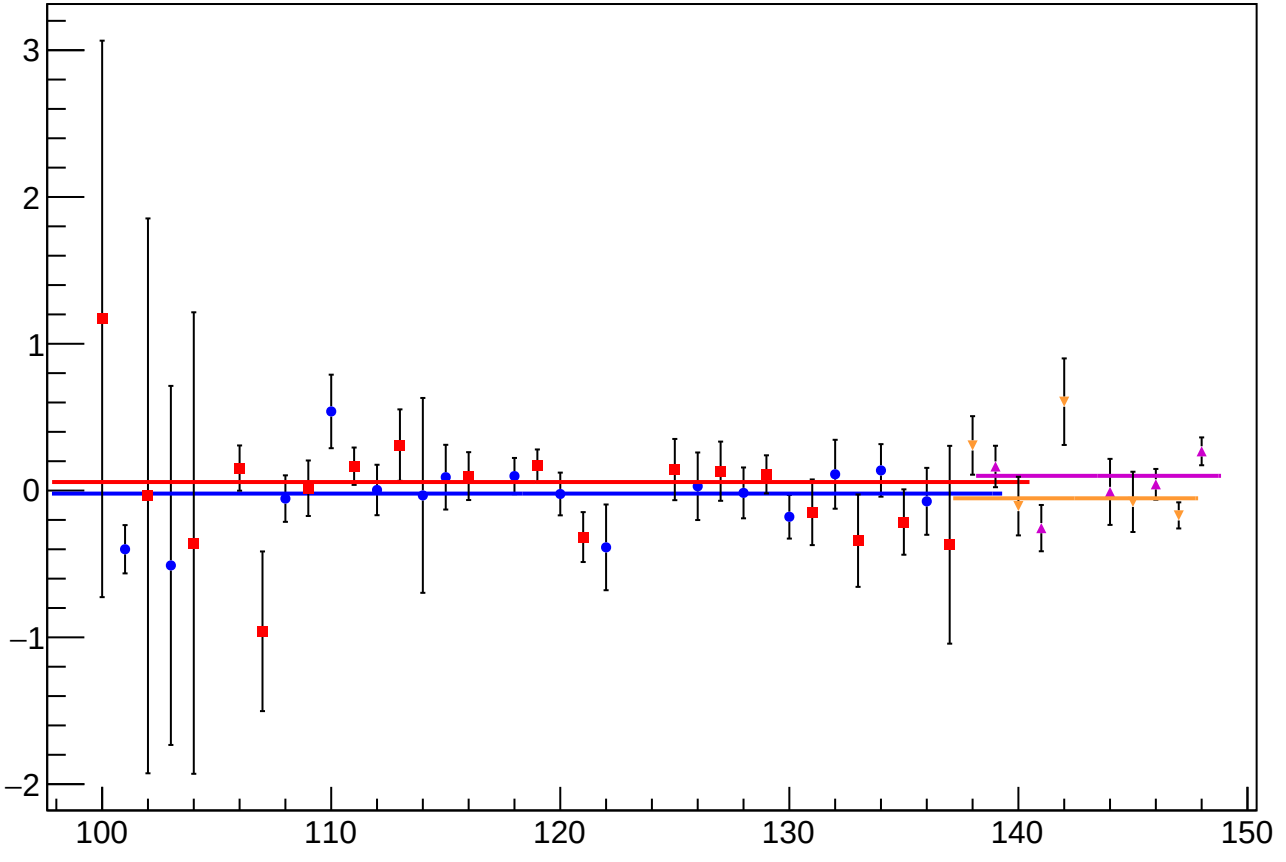
All: 0.004+/-0.000 χ^2/NDF: 11820281.8/43

- sign 0.003+/-0.000 χ^2/NDF: 7834855.3/22


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.053+/-0.069 χ²/NDF:10.0/4
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.100+/-0.057 χ²/NDF:8.9/4
+ sign -0.031+/-0.039 χ²/NDF: 25.8/20
All: 0.027+/-0.026 χ²/NDF: 55.9/43
- sign 0.075+/-0.036 χ²/NDF: 26.1/22


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 116.546+/-0.049 χ²/NDF:965596.0/4
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 107.207+/-0.040 χ²/NDF:711056.6/4
+ sign 113.073+/-0.028 χ²/NDF: 2812570.9/20
All: 108.412+/-0.019 χ²/NDF: 6410354.2/43
- sign 104.496+/-0.025 χ²/NDF: 3545592.8/22

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

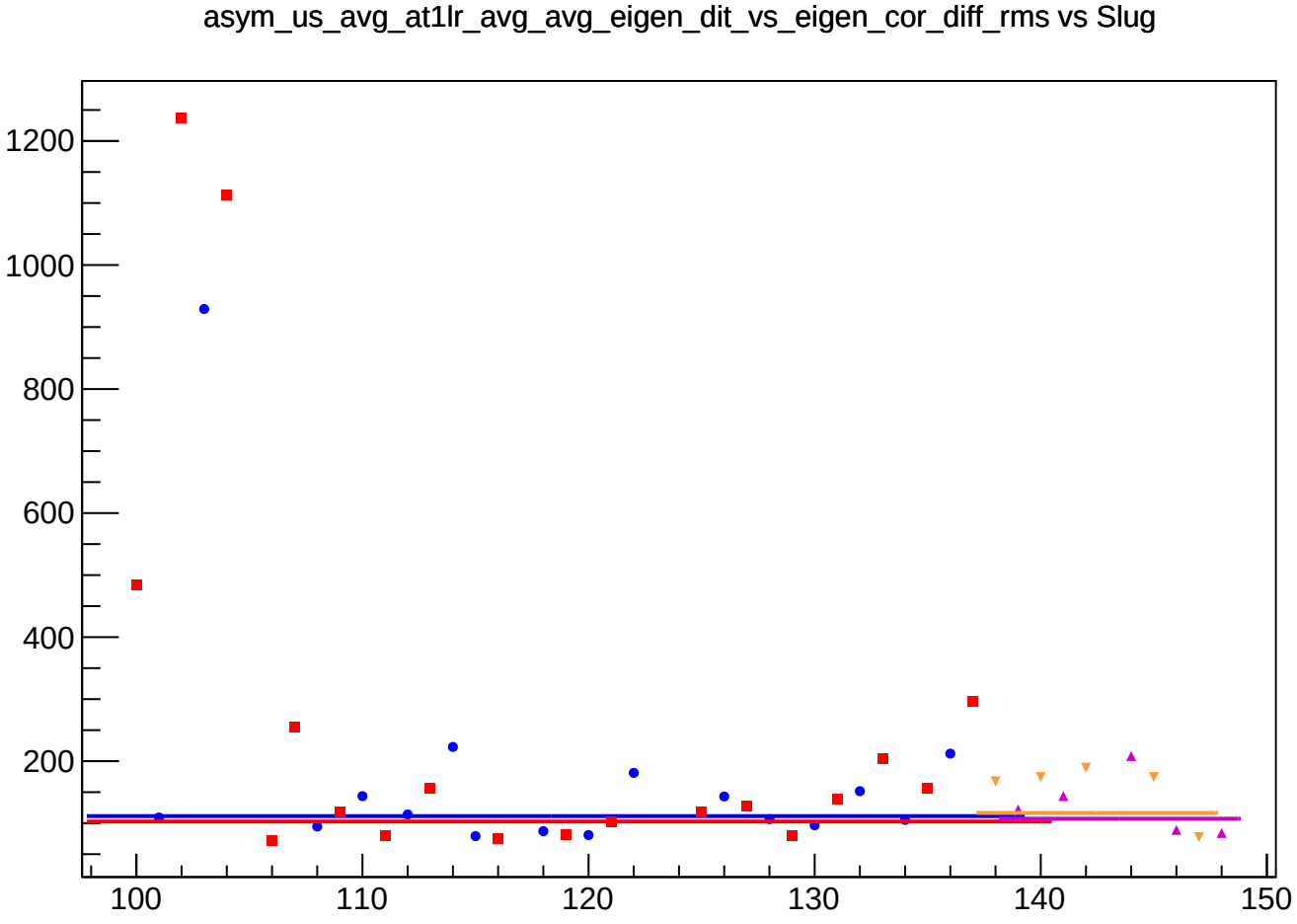
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.100+/-0.057 χ^2/NDF:8.9/4

+ sign -0.031+/-0.039 χ^2/NDF: 25.8/20

All: 0.027+/-0.026 χ^2/NDF: 55.9/43

- sign 0.075+/-0.036 χ^2/NDF: 26.1/22


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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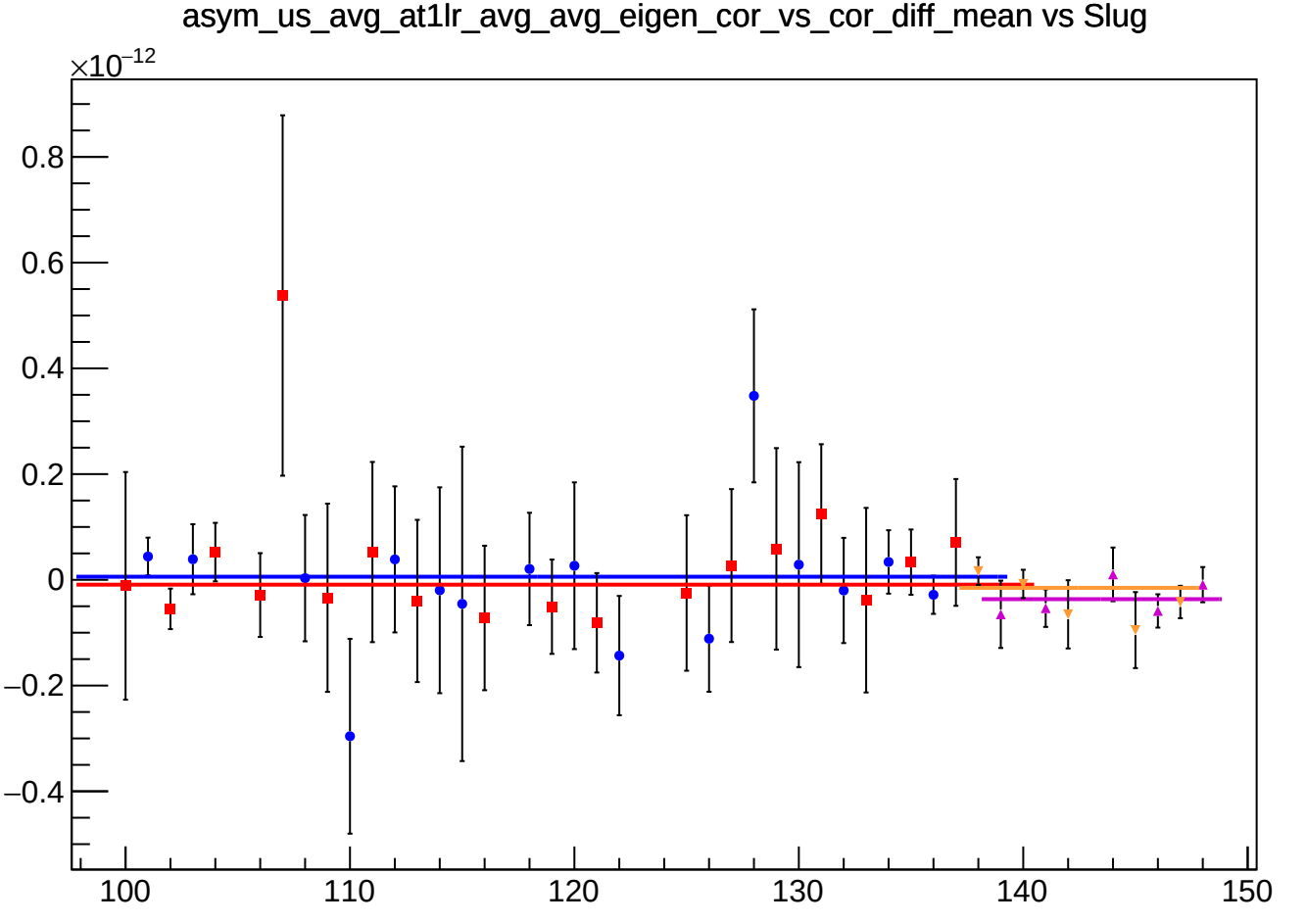
600
400
200
100
110
120
130
140
150
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 116.546+/-0.049 χ²/NDF:965596.0/4
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 107.207+/-0.040 χ²/NDF:711056.6/4
+ sign 113.073+/-0.028 χ²/NDF: 2812570.9/20
All: 108.412+/-0.019 χ²/NDF: 6410354.2/43
- sign 104.496+/-0.025 χ²/NDF: 3545592.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/4

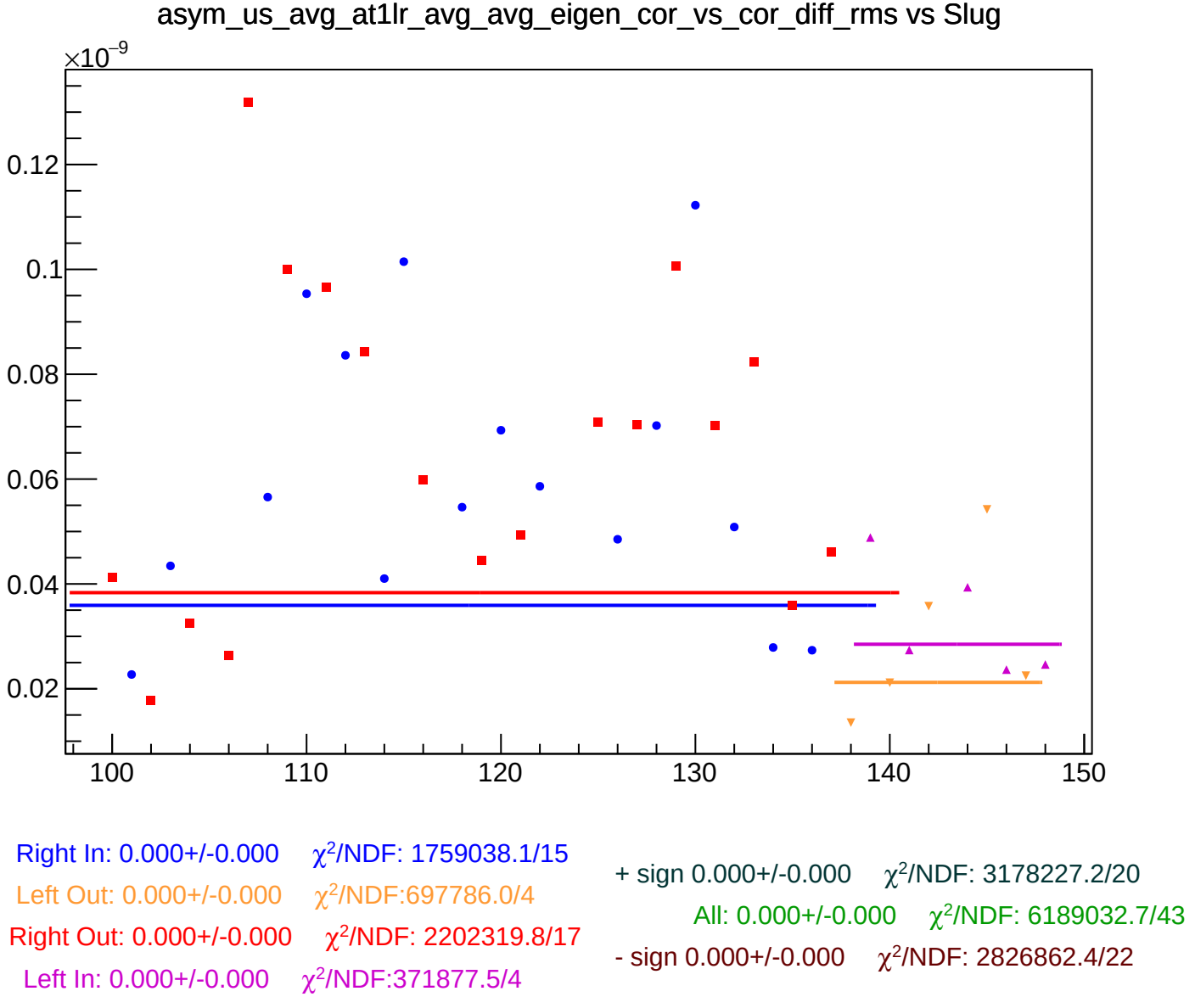
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:2.5/4

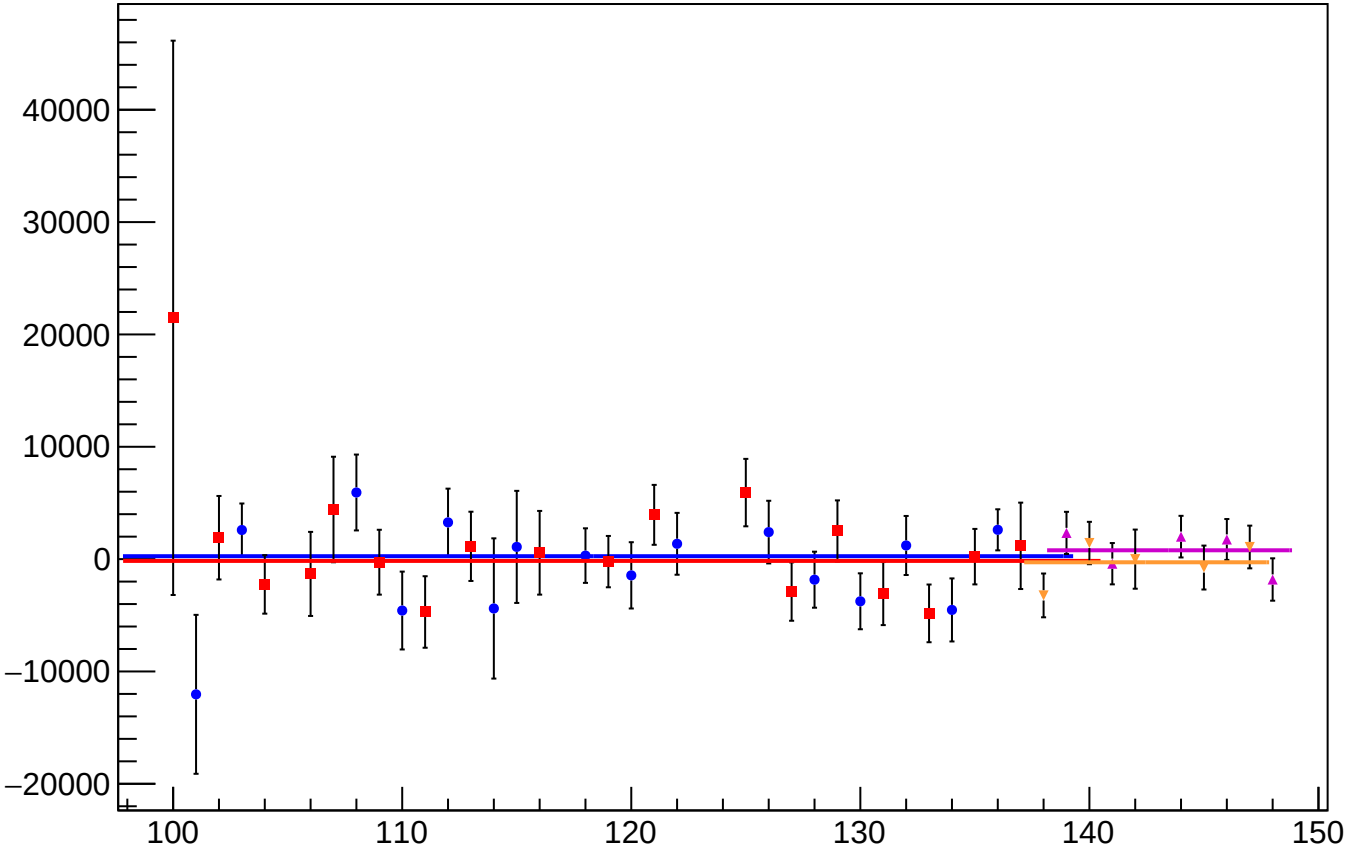
+ sign -0.000+/-0.000 χ^2/NDF: 17.8/20

All: -0.000+/-0.000 χ^2/NDF: 31.0/43

- sign -0.000+/-0.000 χ^2/NDF: 12.1/22


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:697786.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:371877.5/4
+ sign 0.000+/-0.000 χ²/NDF: 3178227.2/20
All: 0.000+/-0.000 χ²/NDF: 6189032.7/43
- sign 0.000+/-0.000 χ²/NDF: 2826862.4/22

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

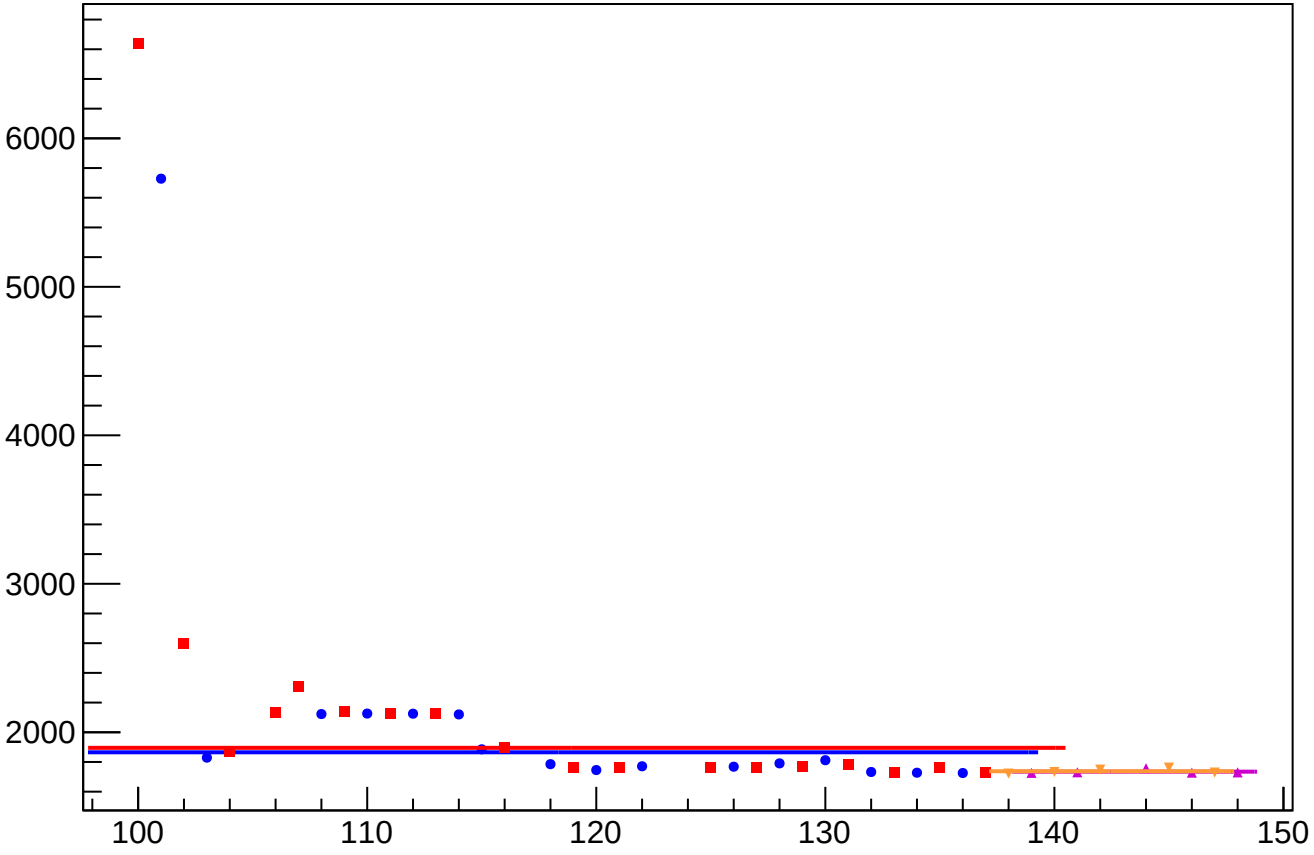
Left In: 786.091+/-829.336 χ^2/NDF:3.7/4

+ sign 52.763+/-557.916 χ^2/NDF: 23.4/20

All: 150.420+/-388.151 χ^2/NDF: 46.0/43

- sign 242.028+/-540.361 χ^2/NDF: 22.5/22

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

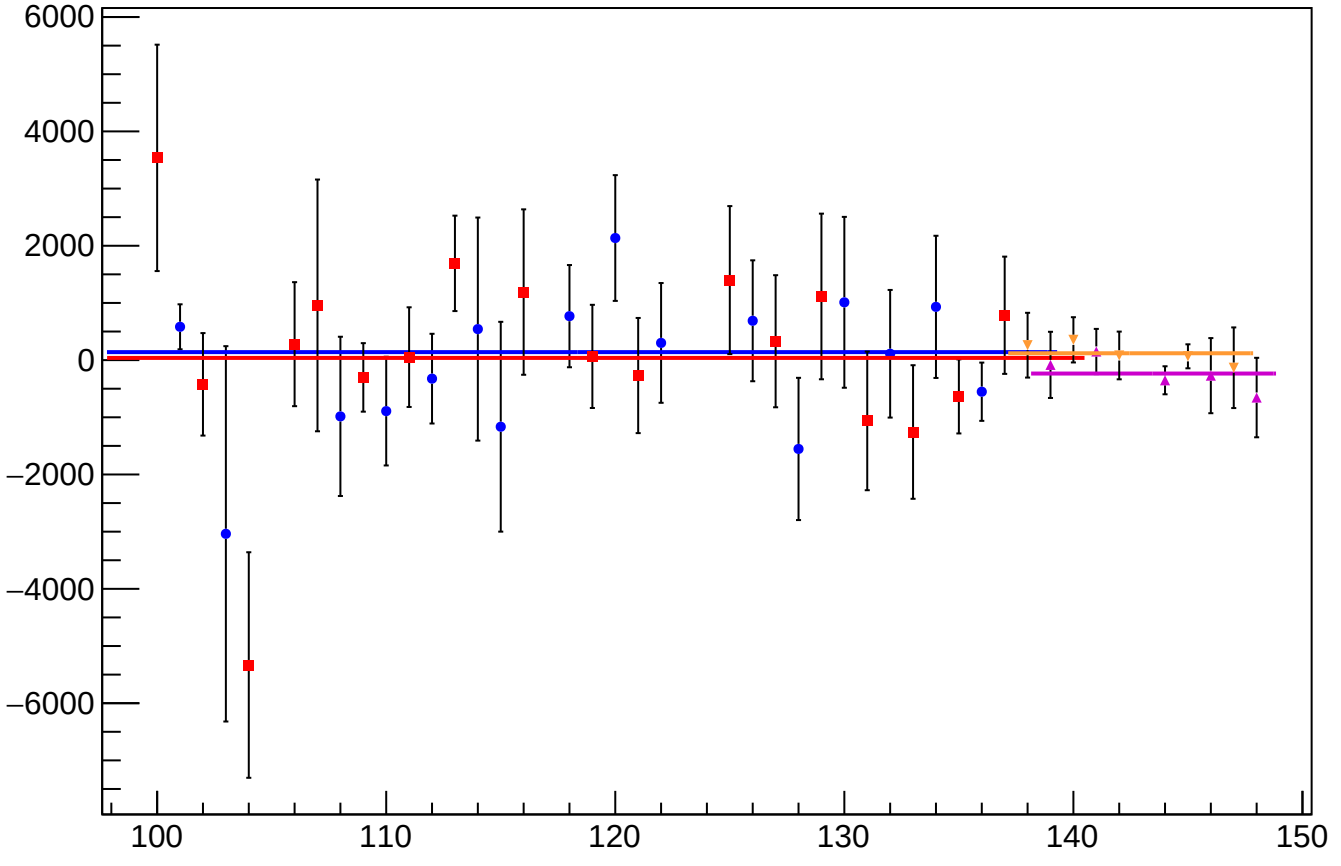
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

+ sign 1816.380+/-0.395 χ^2/NDF: 698003.5/20

All: 1821.911+/-0.274 χ^2/NDF: 992713.1/43

- sign 1827.101+/-0.382 χ^2/NDF: 294328.6/22



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.895+/-158.205 χ^2/NDF:0.6/4

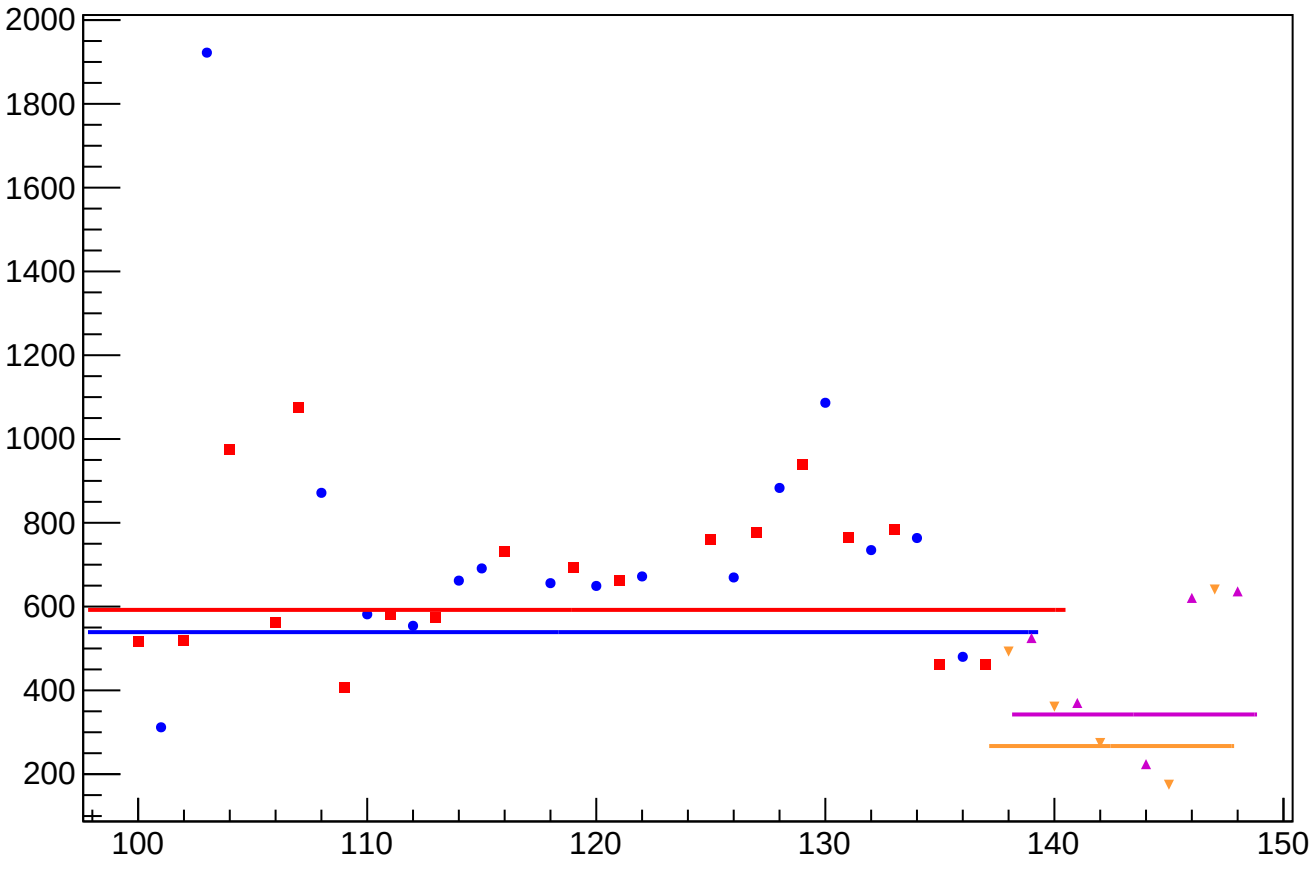
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -234.756+/-181.283 χ^2/NDF:1.6/4

+ sign 126.675+/-128.463 χ^2/NDF: 14.1/20

All: 11.167+/-95.940 χ^2/NDF: 39.8/43

- sign -134.515+/-144.269 χ^2/NDF: 23.8/22



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

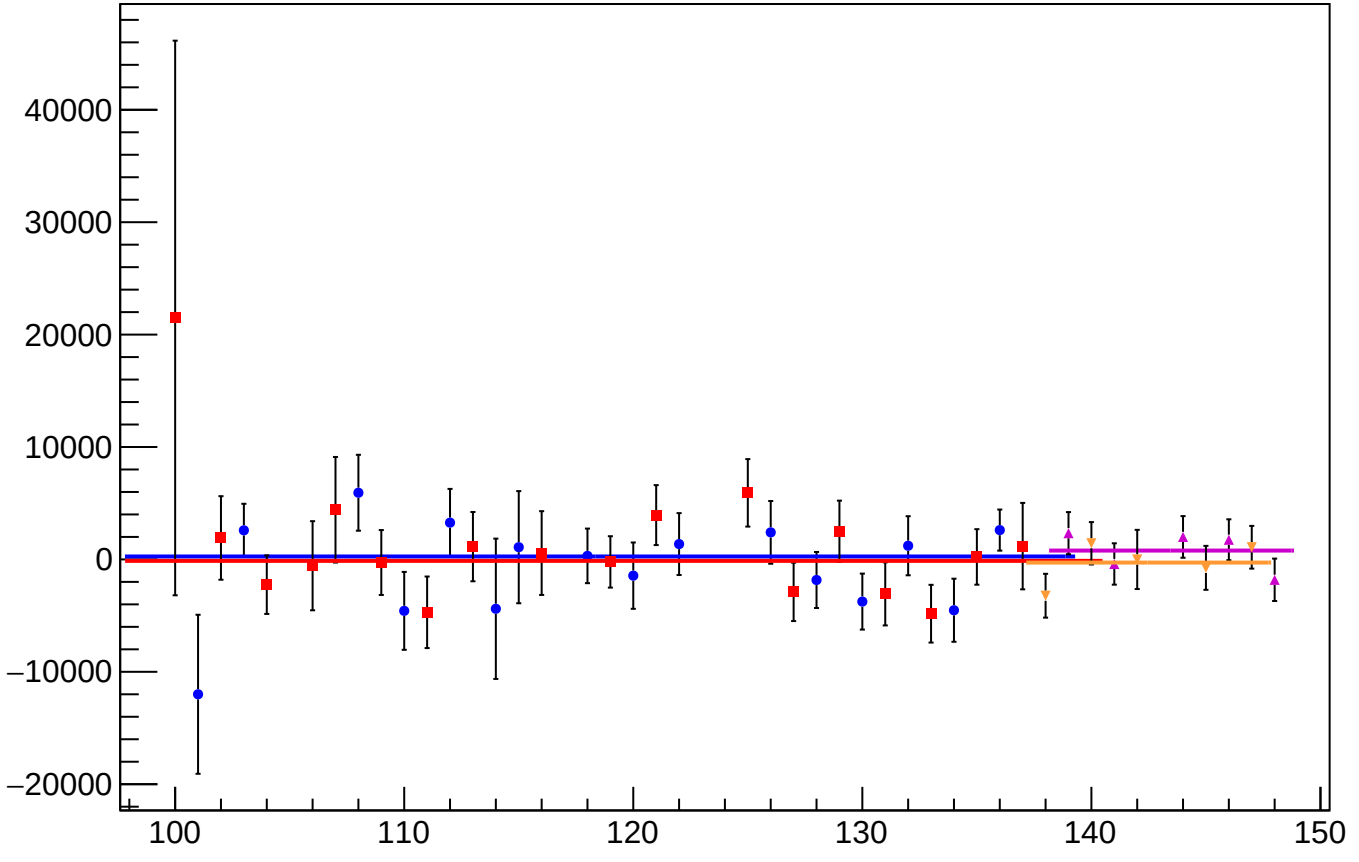
Left In: 342.465+/-0.128 χ^2/NDF:1393061.8/4

+ sign 359.736+/-0.091 χ^2/NDF: 5246218.5/20

All: 392.577+/-0.068 χ^2/NDF: 9168513.0/43

- sign 433.998+/-0.102 χ^2/NDF: 3626722.4/22

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

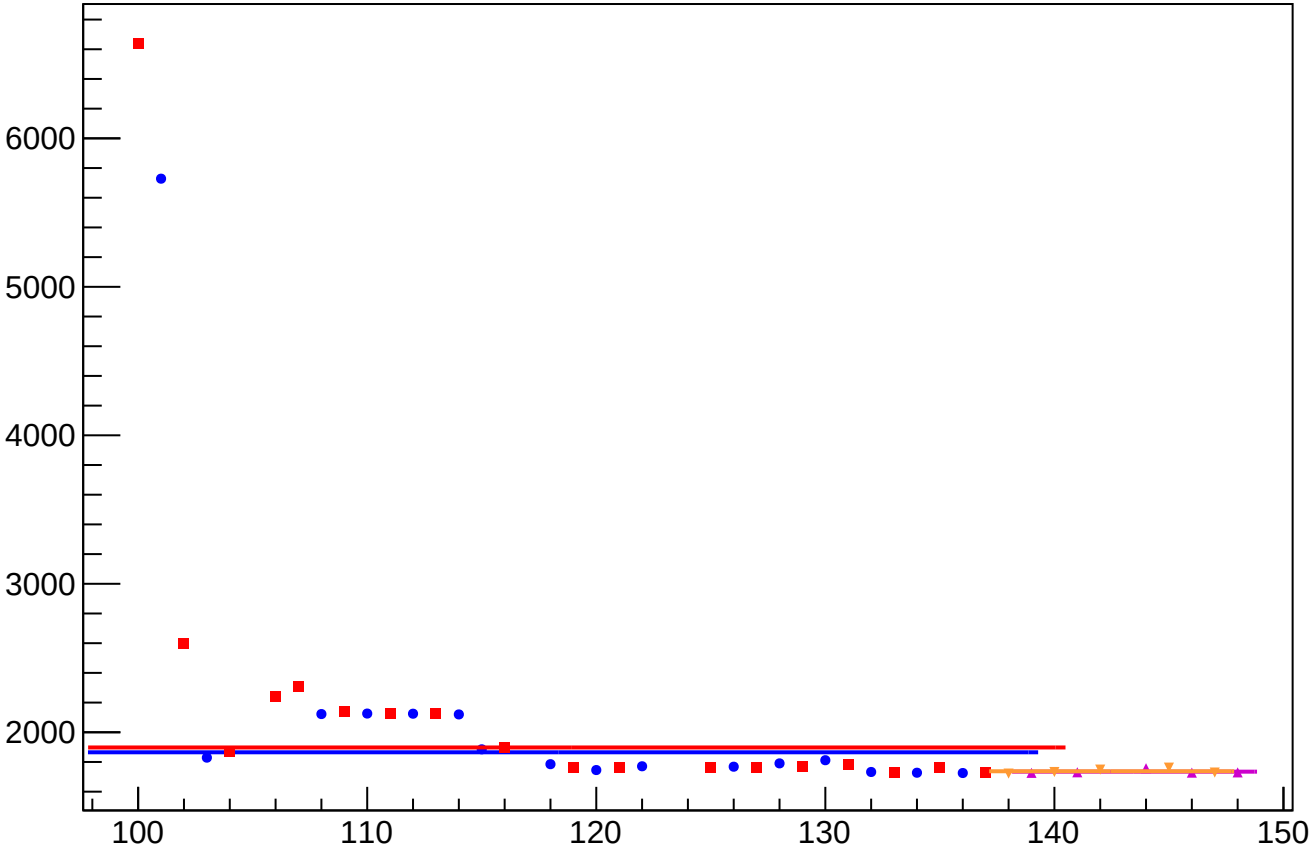
Left In: 786.233+/-829.336 χ^2/NDF:3.7/4

+ sign 52.926+/-557.916 χ^2/NDF: 23.3/20

All: 159.564+/-388.378 χ^2/NDF: 45.8/43

- sign 259.824+/-540.975 χ^2/NDF: 22.4/22

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

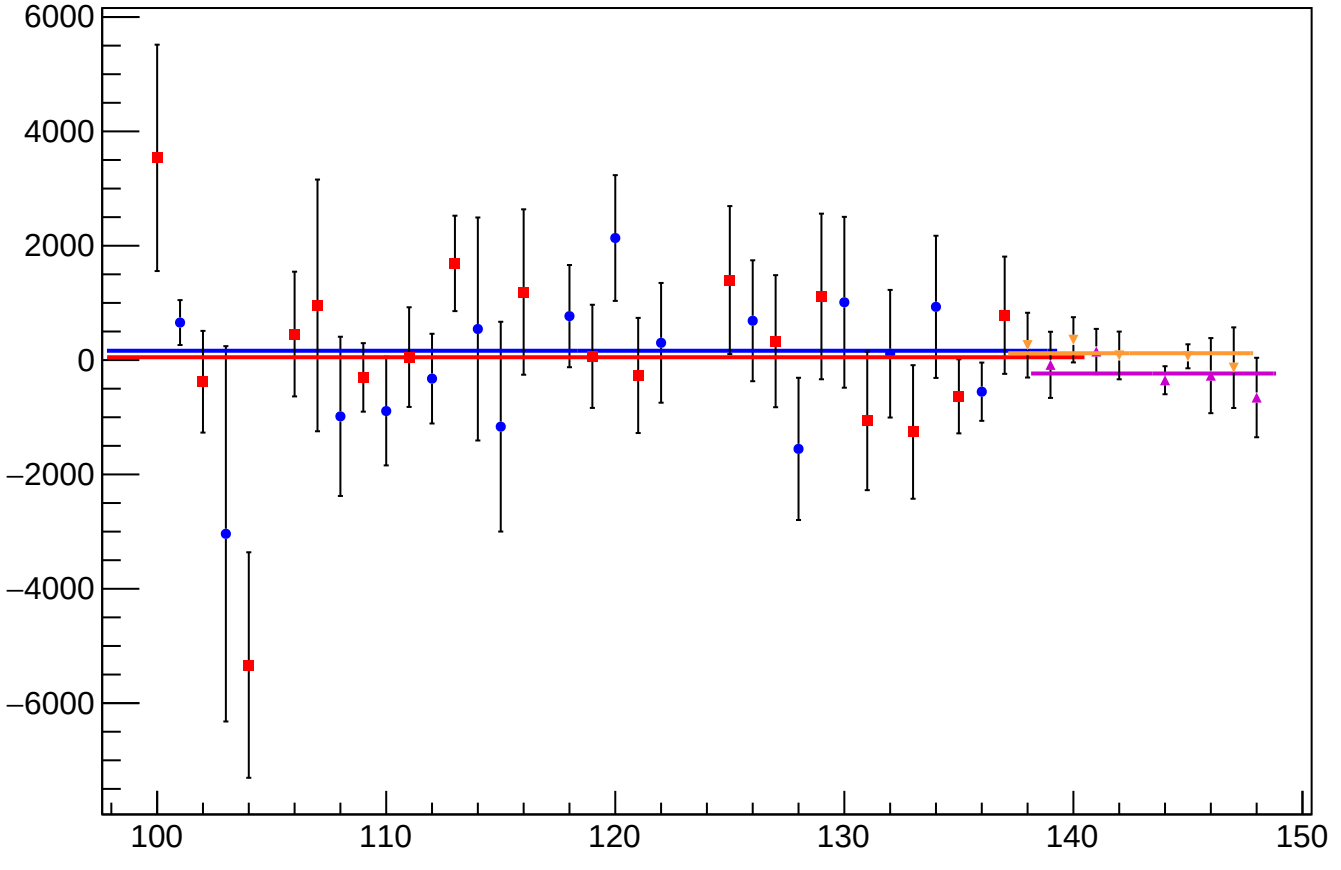
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

+ sign 1816.379+/-0.395 χ^2/NDF: 698003.4/20

All: 1822.551+/-0.275 χ^2/NDF: 1000987.2/43

- sign 1828.353+/-0.383 χ^2/NDF: 302509.0/22



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

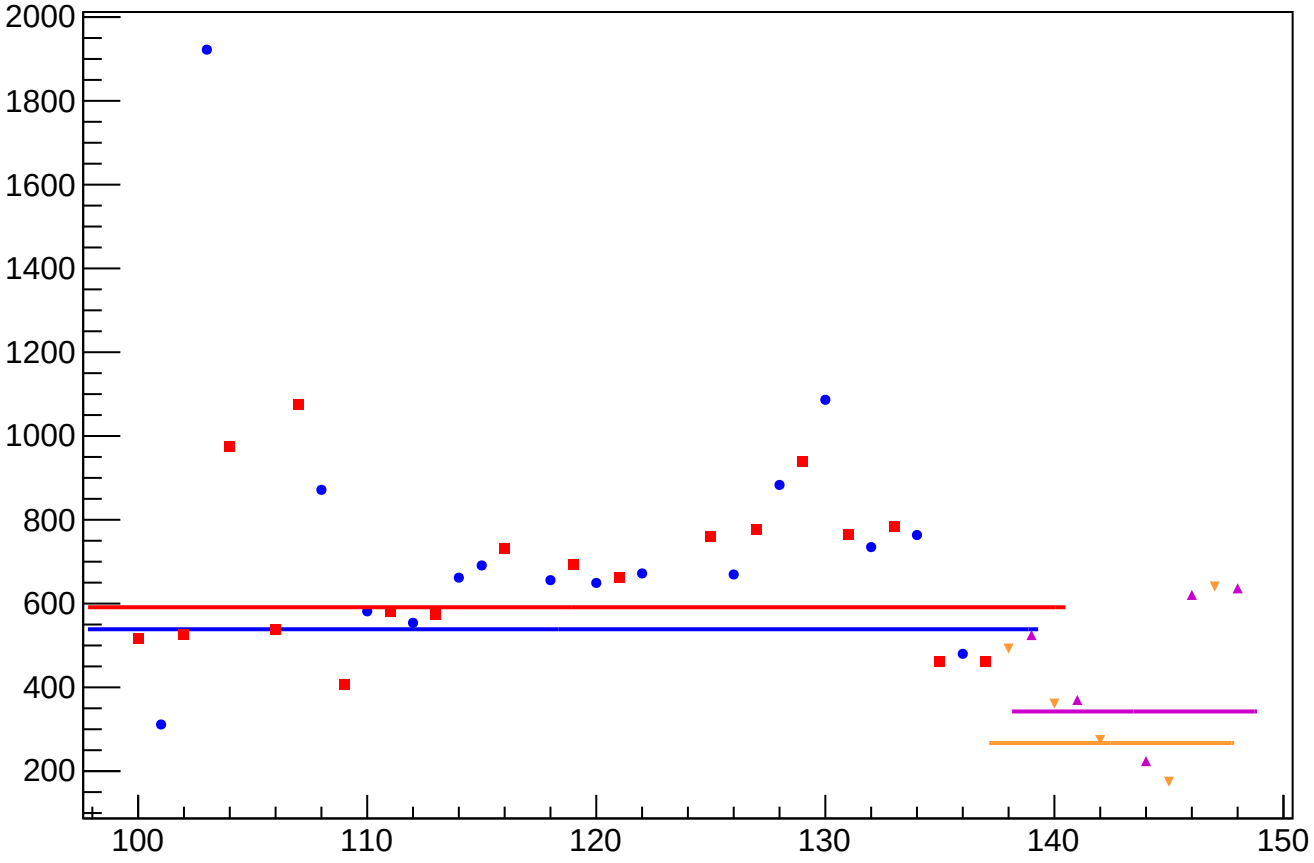
Left In: -234.730+/-181.284 χ^2/NDF:1.6/4

+ sign 134.515+/-128.449 χ^2/NDF: 14.6/20

All: 17.346+/-95.931 χ^2/NDF: 40.4/43

- sign -130.438+/-144.258 χ^2/NDF: 24.0/22

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

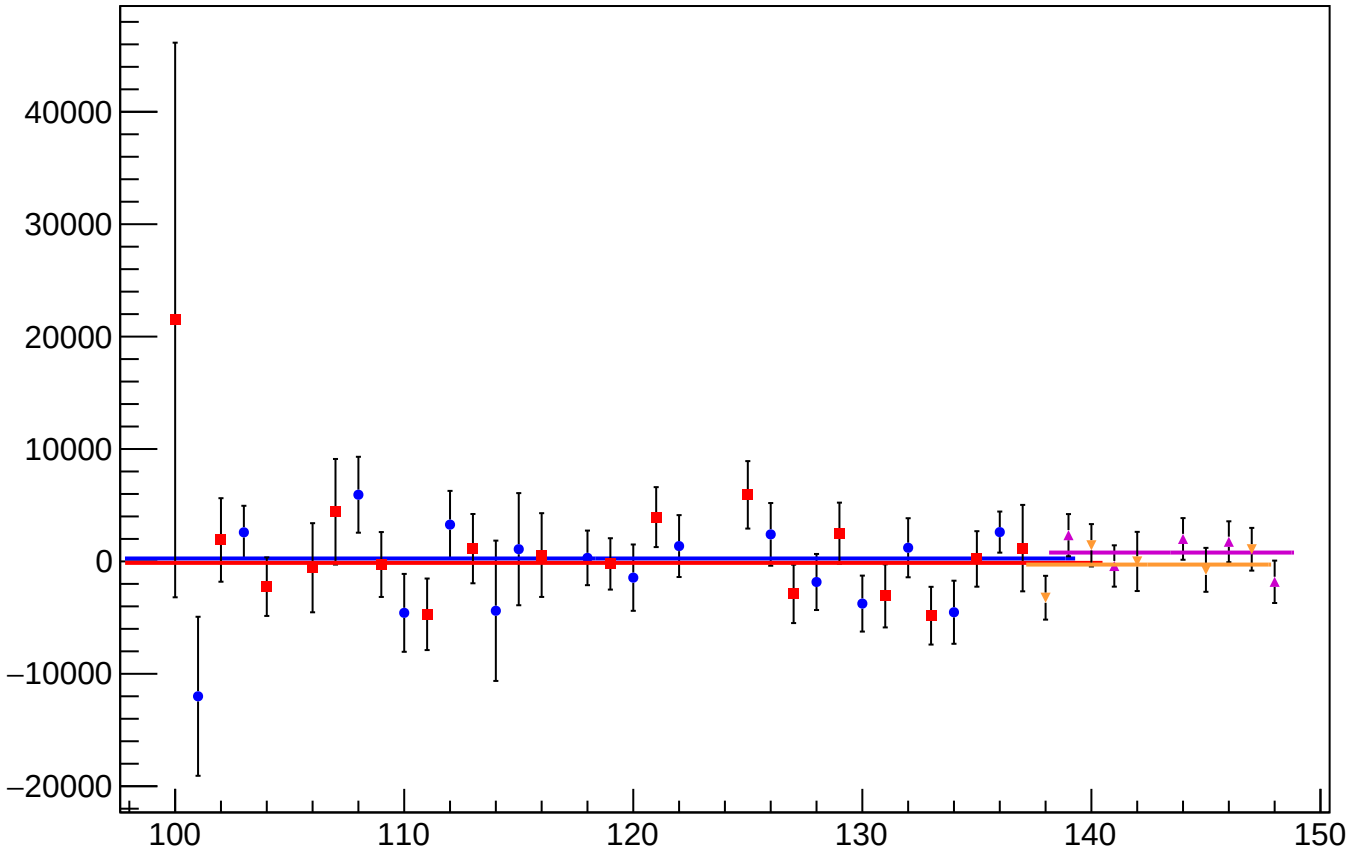
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

+ sign 359.678+/-0.091 χ^2/NDF: 5246669.9/20

All: 392.420+/-0.068 χ^2/NDF: 9159296.6/43

- sign 433.717+/-0.102 χ^2/NDF: 3618777.7/22



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

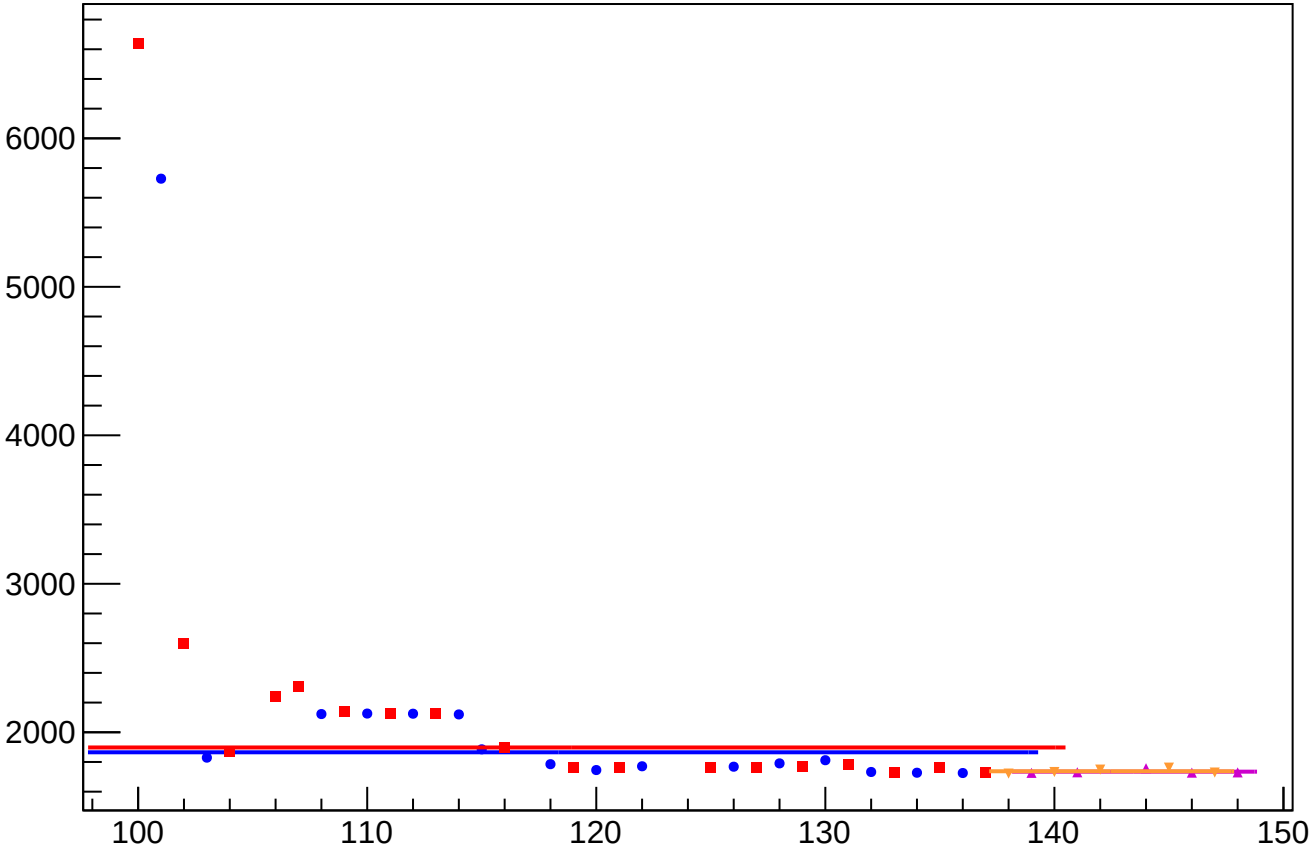
Left In: 786.233+/-829.336 χ^2/NDF:3.7/4

+ sign 52.926+/-557.916 χ^2/NDF: 23.3/20

All: 159.564+/-388.378 χ^2/NDF: 45.8/43

- sign 259.824+/-540.975 χ^2/NDF: 22.4/22

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

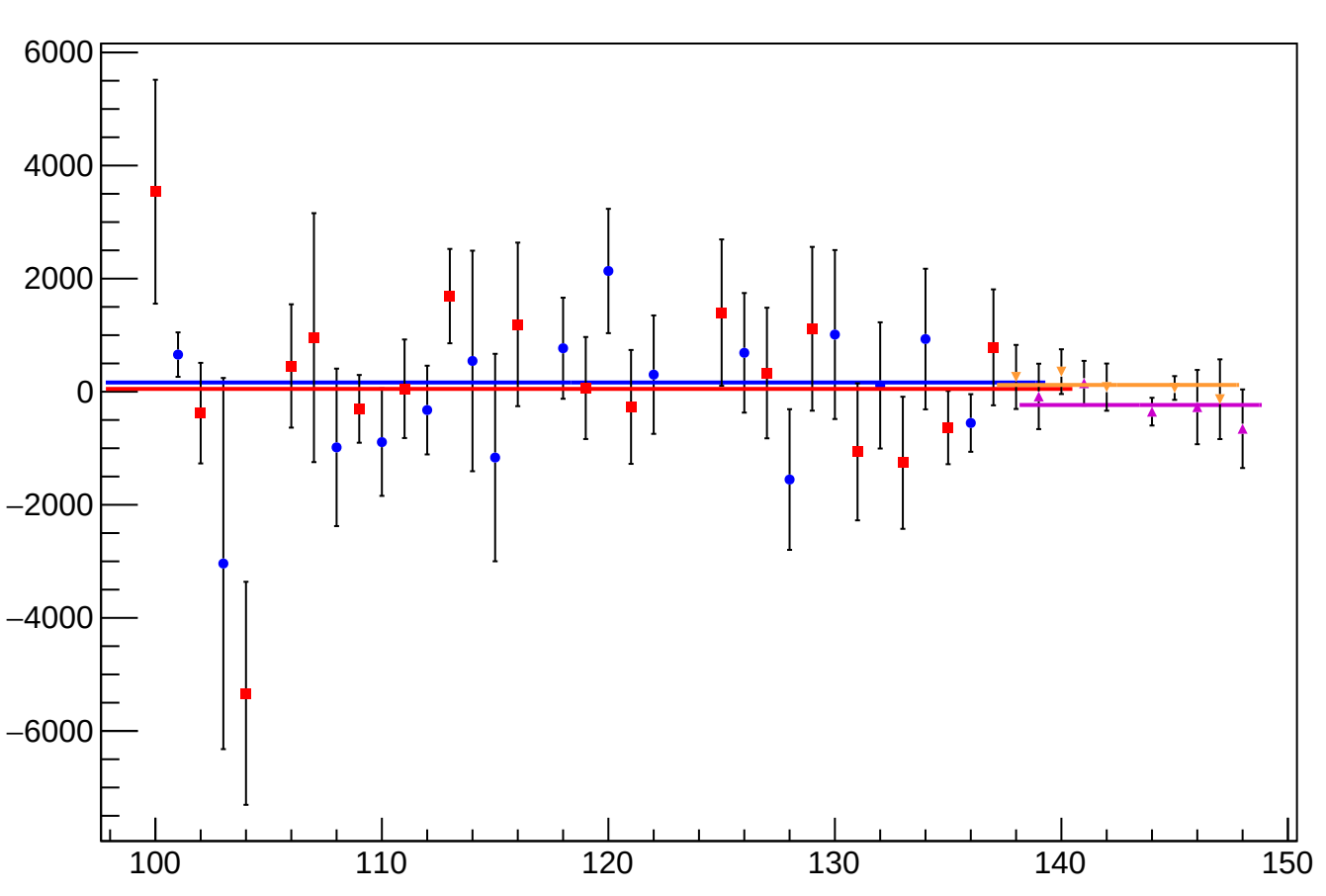
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

+ sign 1816.379+/-0.395 χ^2/NDF: 698003.4/20

All: 1822.551+/-0.275 χ^2/NDF: 1000987.2/43

- sign 1828.353+/-0.383 χ^2/NDF: 302509.0/22



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

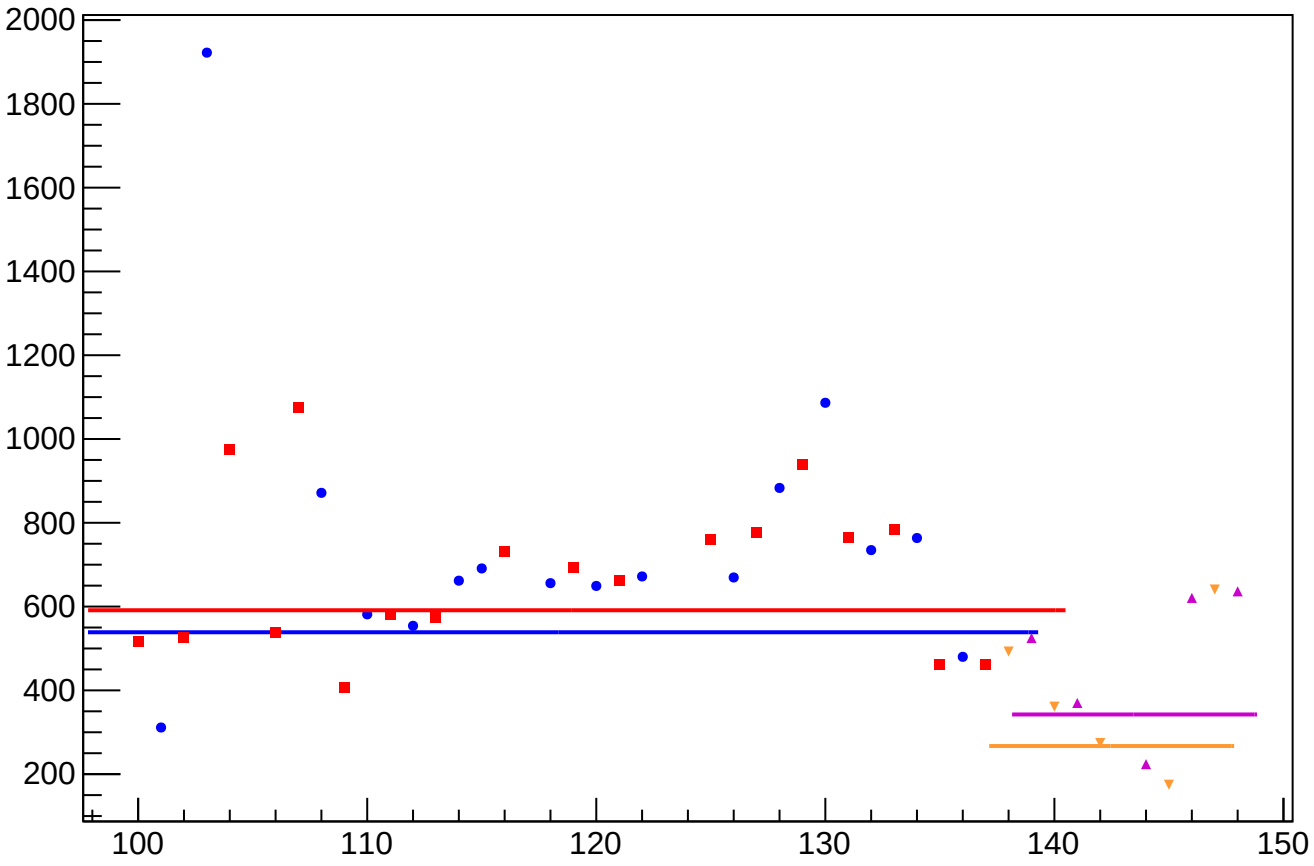
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -234.730+/-181.284 χ^2/NDF:1.6/4

+ sign 134.515+/-128.449 χ^2/NDF: 14.6/20

All: 17.346+/-95.931 χ^2/NDF: 40.4/43

- sign -130.438+/-144.258 χ^2/NDF: 24.0/22



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

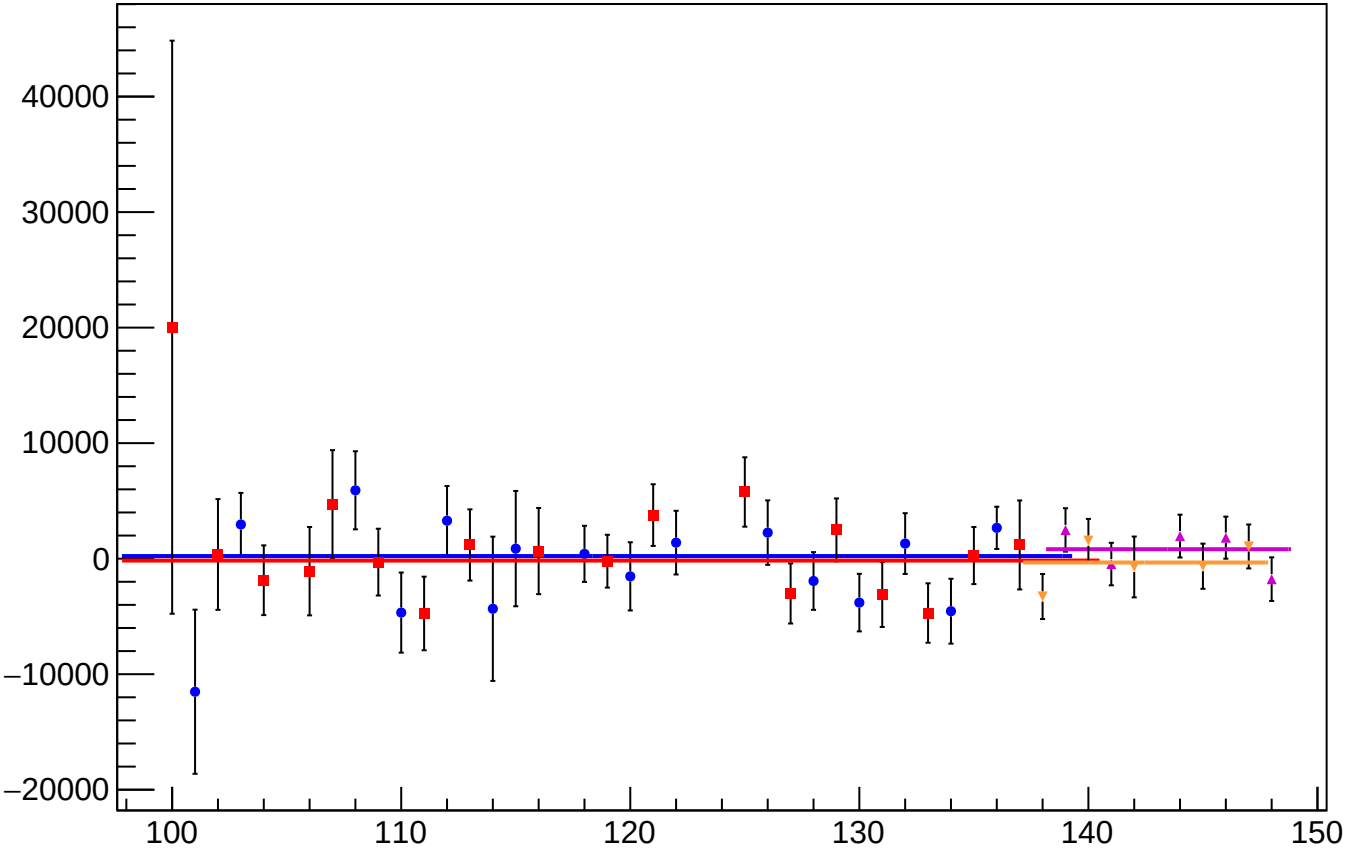
Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

+ sign 359.678+/-0.091 χ^2/NDF: 5246669.9/20

All: 392.420+/-0.068 χ^2/NDF: 9159296.6/43

- sign 433.717+/-0.102 χ^2/NDF: 3618777.7/22

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

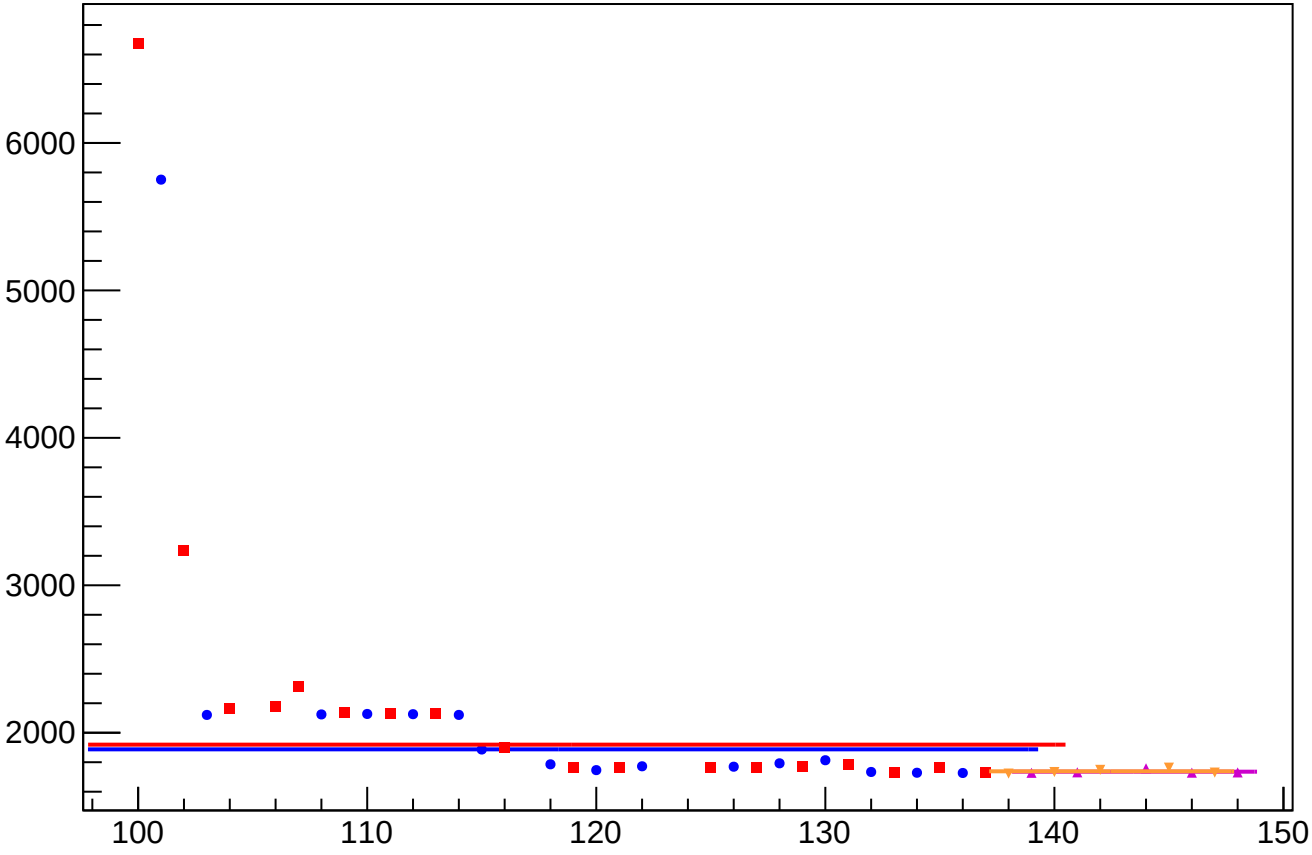
Left In: 817.943+/-829.841 χ^2/NDF:3.8/4

+ sign 9.962+/-562.303 χ^2/NDF: 23.5/20

All: 139.488+/-391.835 χ^2/NDF: 45.3/43

- sign 261.755+/-546.321 χ^2/NDF: 21.7/22

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

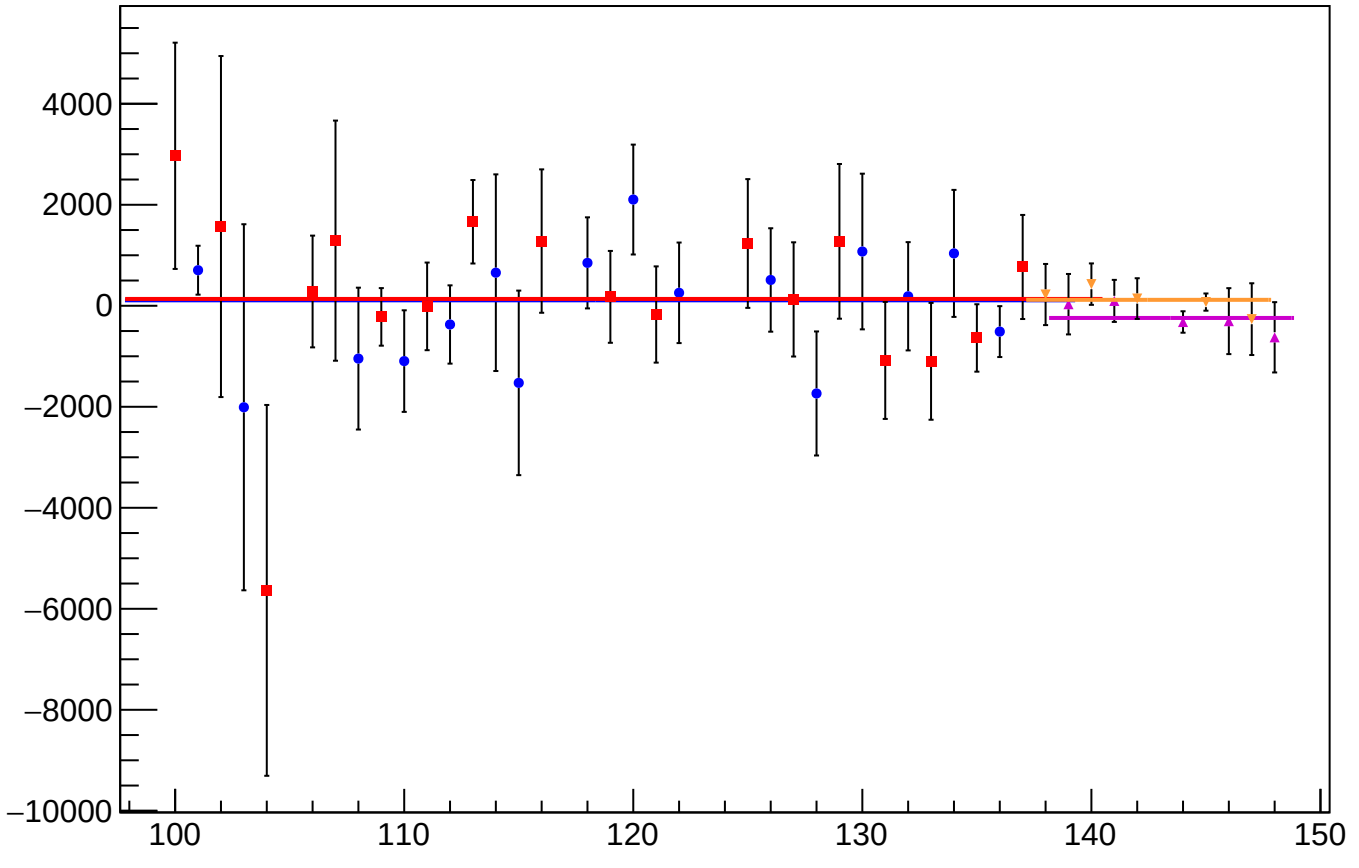
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

+ sign 1829.571+/-0.398 χ^2/NDF: 723286.7/20

All: 1834.771+/-0.277 χ^2/NDF: 1131920.6/43

- sign 1839.679+/-0.386 χ^2/NDF: 408301.4/22



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 117.620+/-139.627 χ^2/NDF:1.0/4

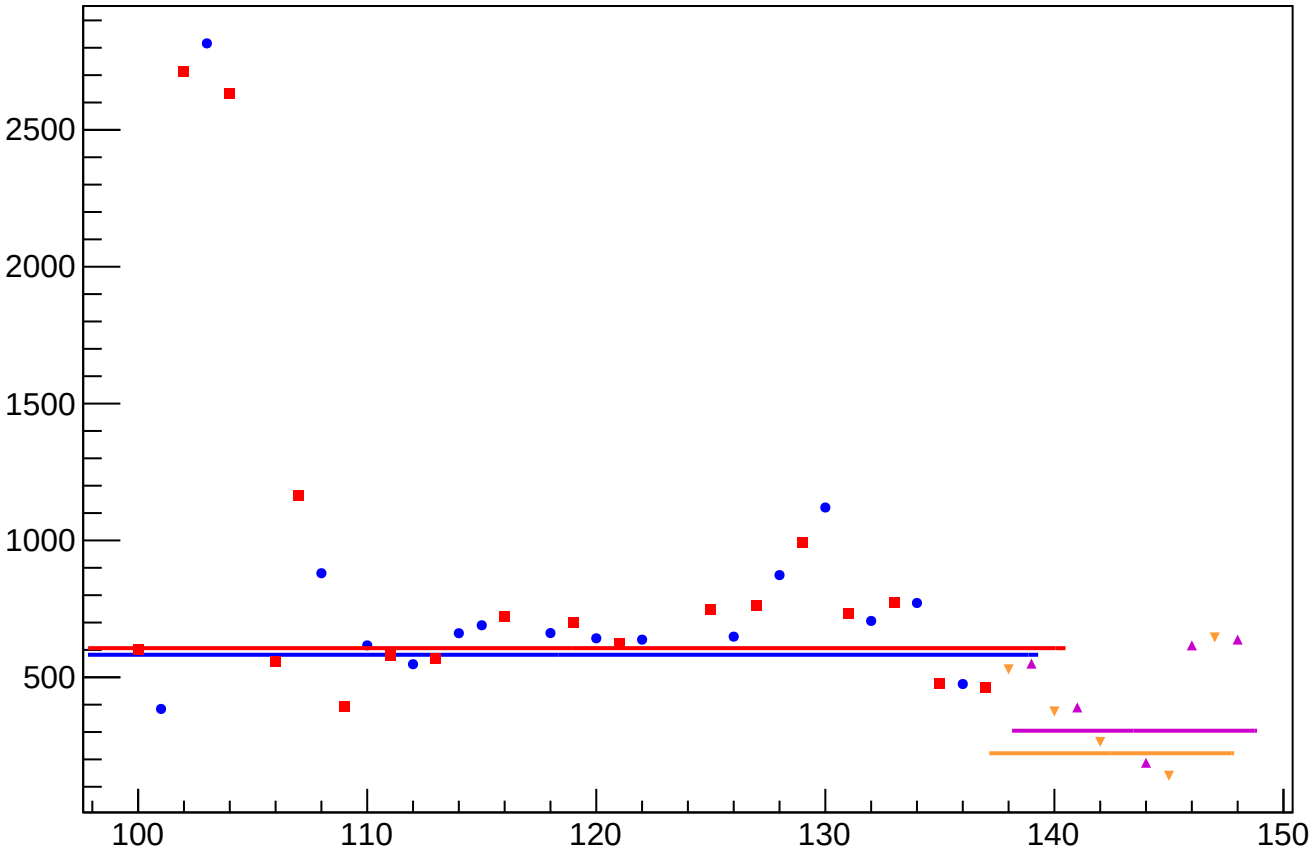
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -241.196+/-168.644 χ^2/NDF:1.3/4

+ sign 115.092+/-119.593 χ^2/NDF: 15.1/20

All: 14.837+/-90.680 χ^2/NDF: 34.0/43

- sign -120.762+/-139.085 χ^2/NDF: 17.3/22



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 222.469+/-0.099 χ^2/NDF:1986609.5/4

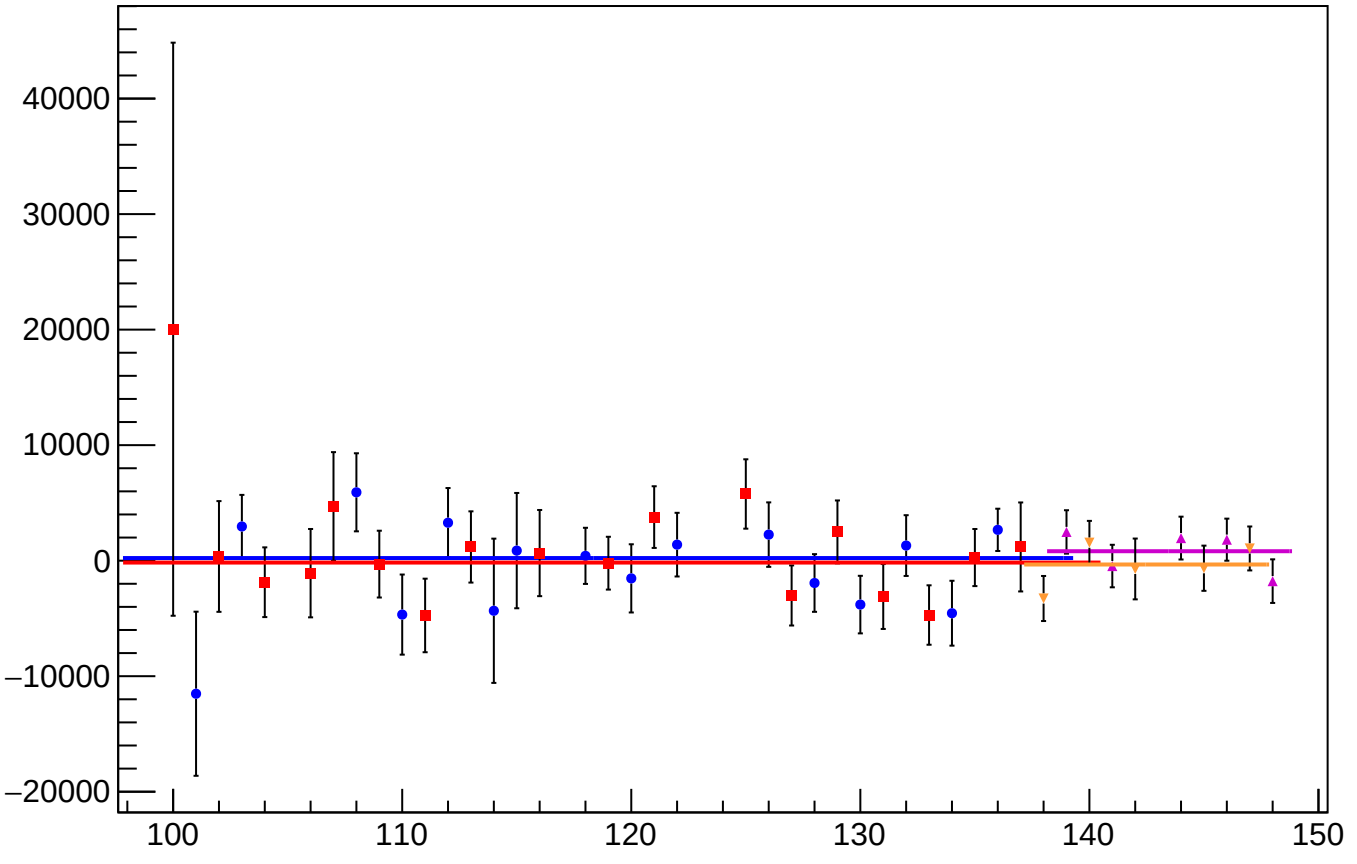
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 304.789+/-0.119 χ^2/NDF:1941189.2/4

+ sign 318.316+/-0.085 χ^2/NDF: 7278667.4/20

All: 353.578+/-0.064 χ^2/NDF: 13873982.3/43

- sign 401.270+/-0.098 χ^2/NDF: 6186278.0/22



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

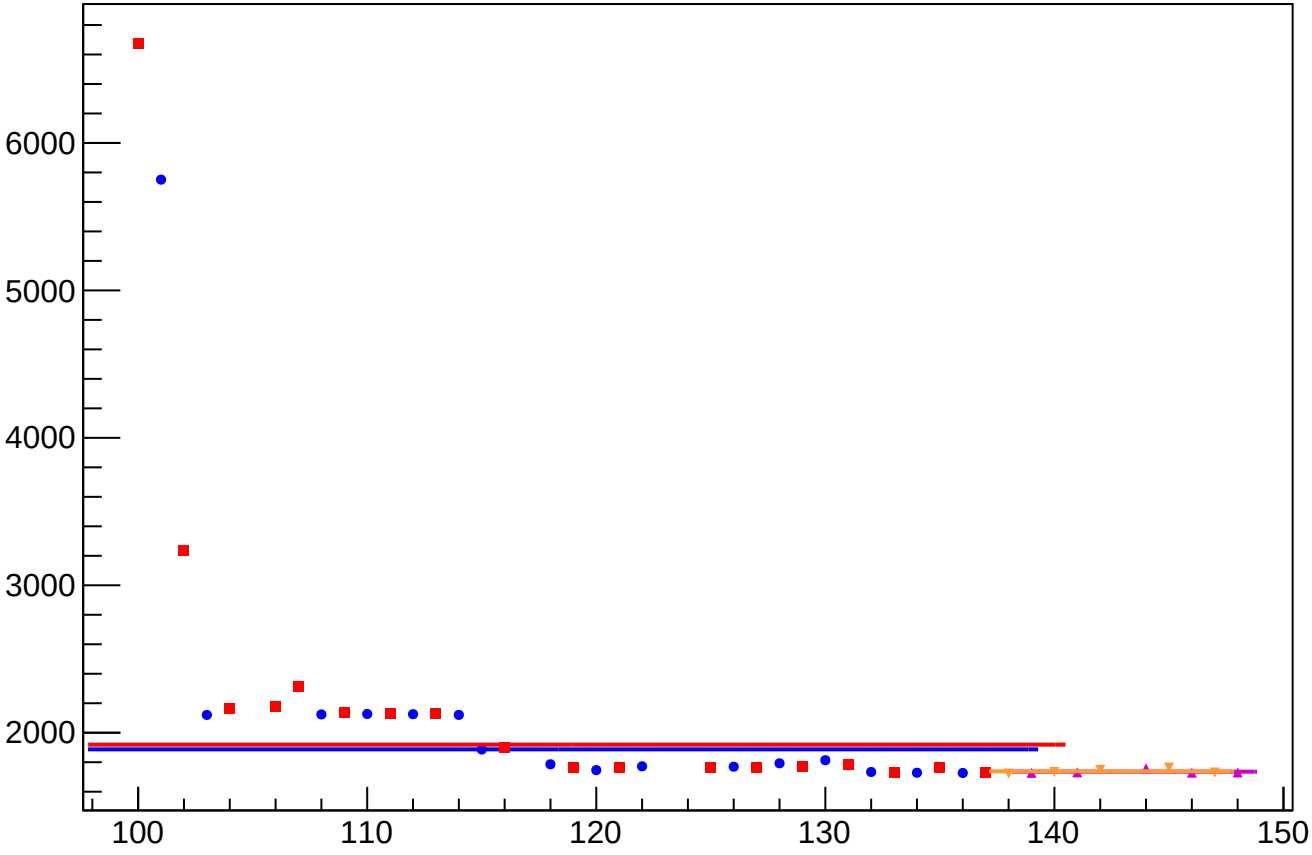
Left In: 817.943+/-829.841 χ^2/NDF:3.8/4

+ sign 9.962+/-562.303 χ^2/NDF: 23.5/20

All: 139.487+/-391.835 χ^2/NDF: 45.3/43

- sign 261.754+/-546.321 χ^2/NDF: 21.7/22

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

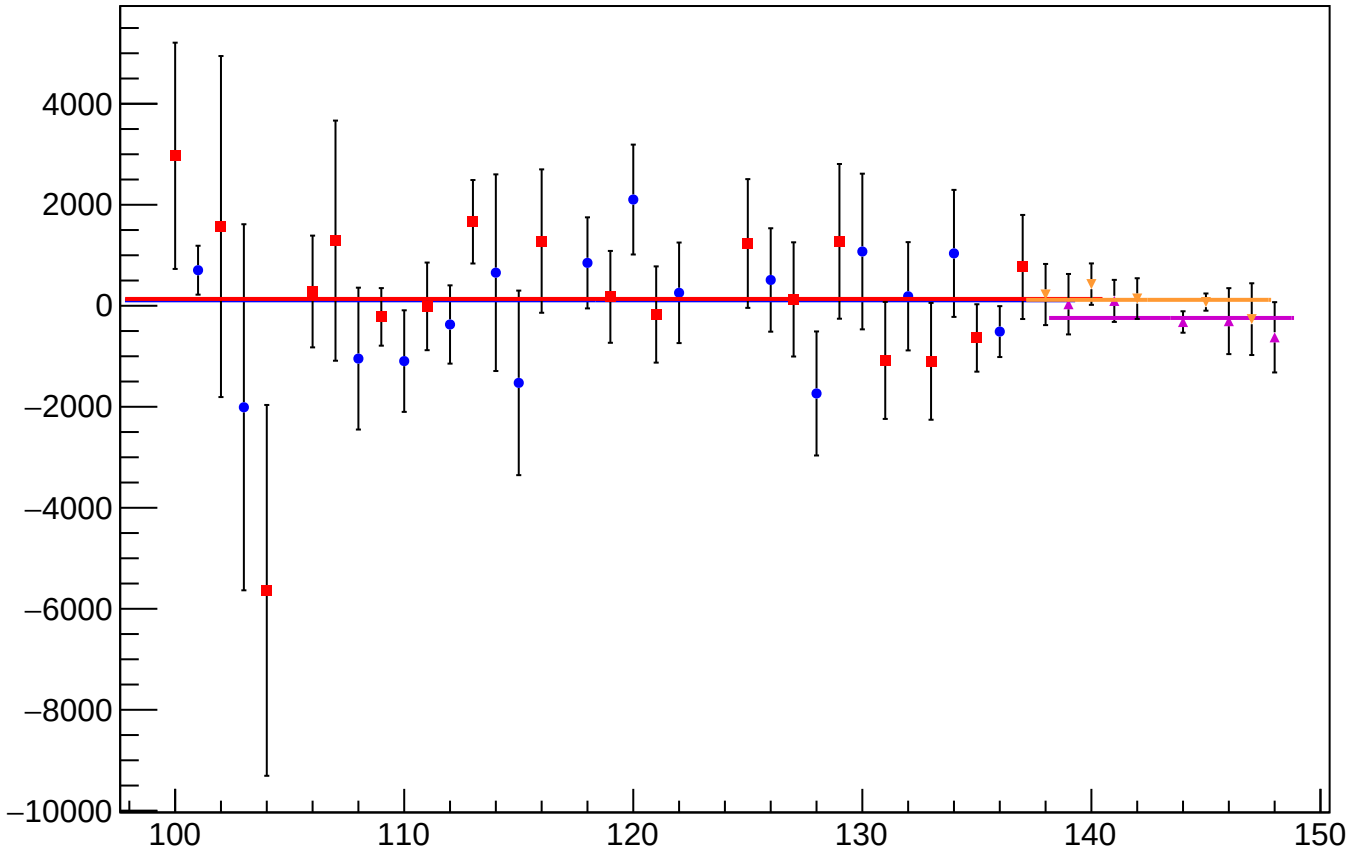
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

+ sign 1829.571+/-0.398 χ^2/NDF: 723286.4/20

All: 1834.771+/-0.277 χ^2/NDF: 1131919.4/43

- sign 1839.679+/-0.386 χ^2/NDF: 408300.6/22



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 117.618+/-139.628 χ^2/NDF:1.0/4

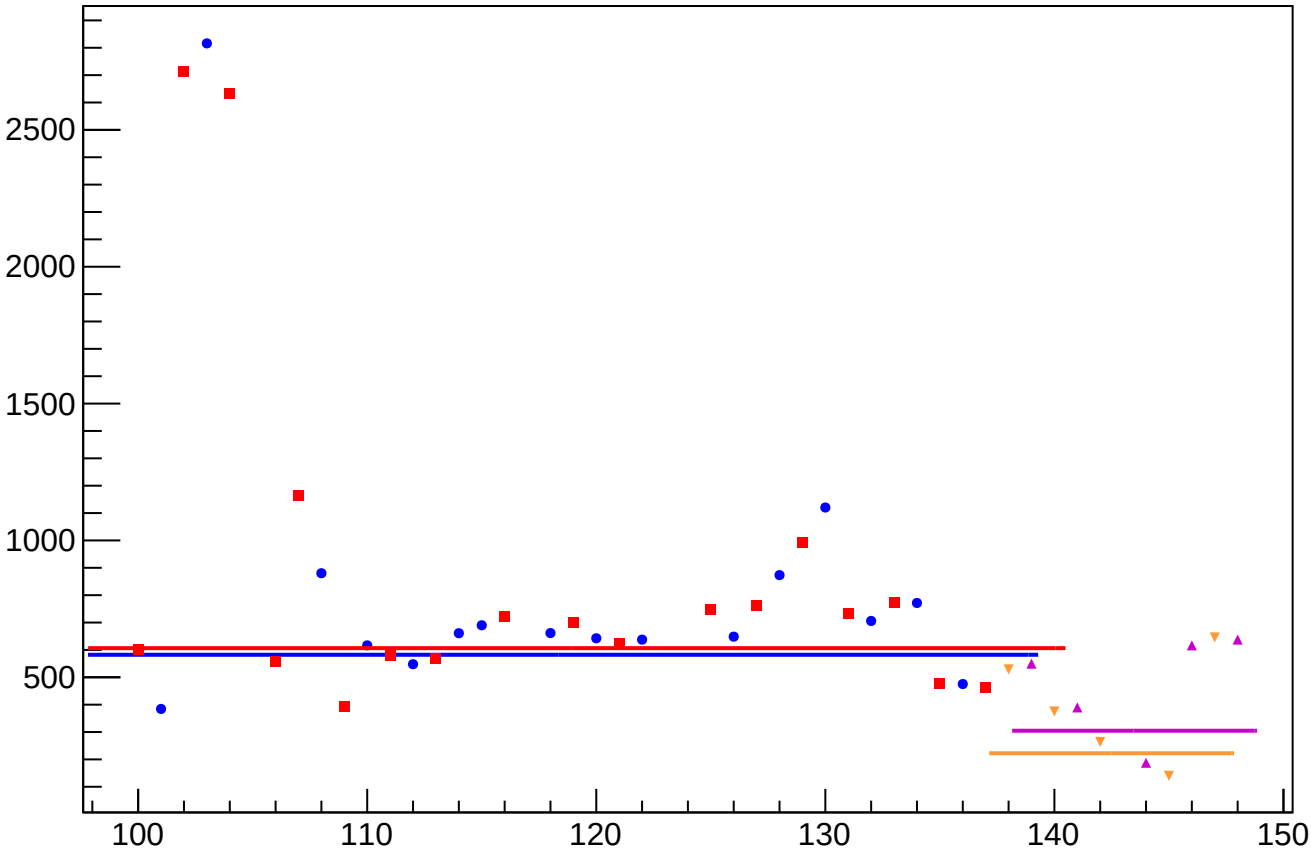
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -241.196+/-168.645 χ^2/NDF:1.3/4

+ sign 115.090+/-119.592 χ^2/NDF: 15.1/20

All: 14.837+/-90.680 χ^2/NDF: 34.0/43

- sign -120.761+/-139.085 χ^2/NDF: 17.3/22



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

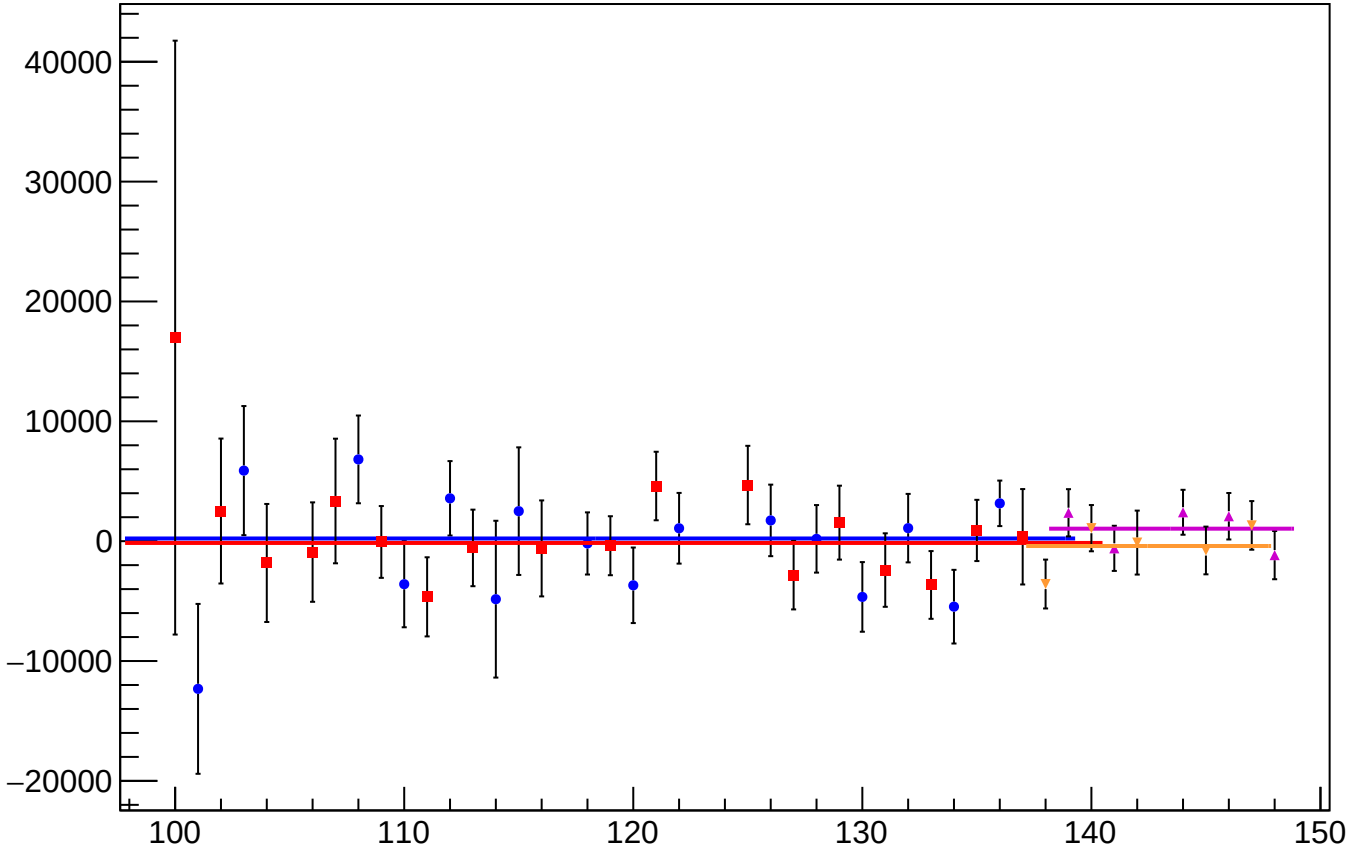
Left In: 304.789+/-0.119 χ^2/NDF:1941198.7/4

+ sign 318.316+/-0.085 χ^2/NDF: 7278655.1/20

All: 353.578+/-0.064 χ^2/NDF: 13873952.9/43

- sign 401.270+/-0.098 χ^2/NDF: 6186261.6/22

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

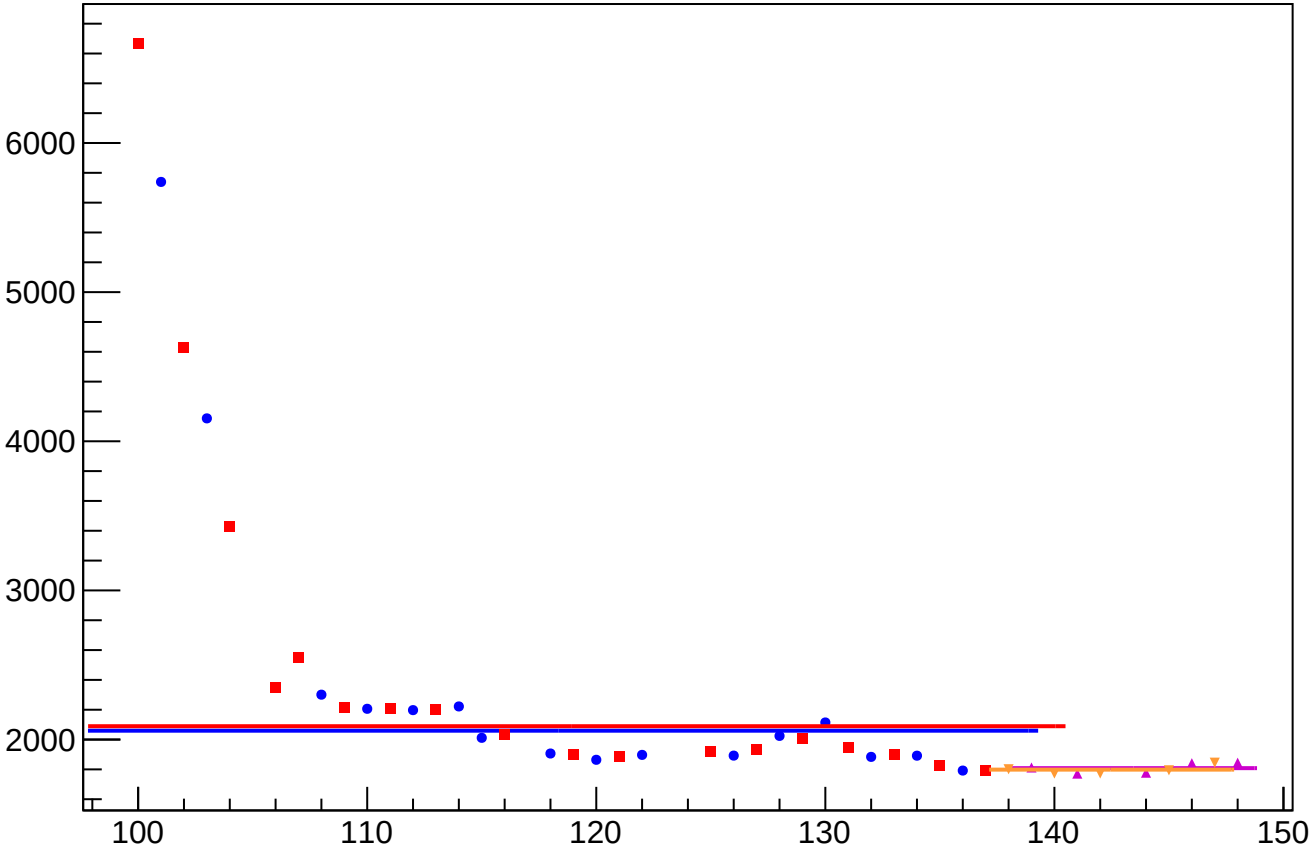
Left In: 1042.474+/-864.645 χ^2/NDF:3.2/4

+ sign -37.704+/-604.042 χ^2/NDF: 25.2/20

All: 186.528+/-420.190 χ^2/NDF: 41.3/43

- sign 396.772+/-584.897 χ^2/NDF: 15.8/22

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

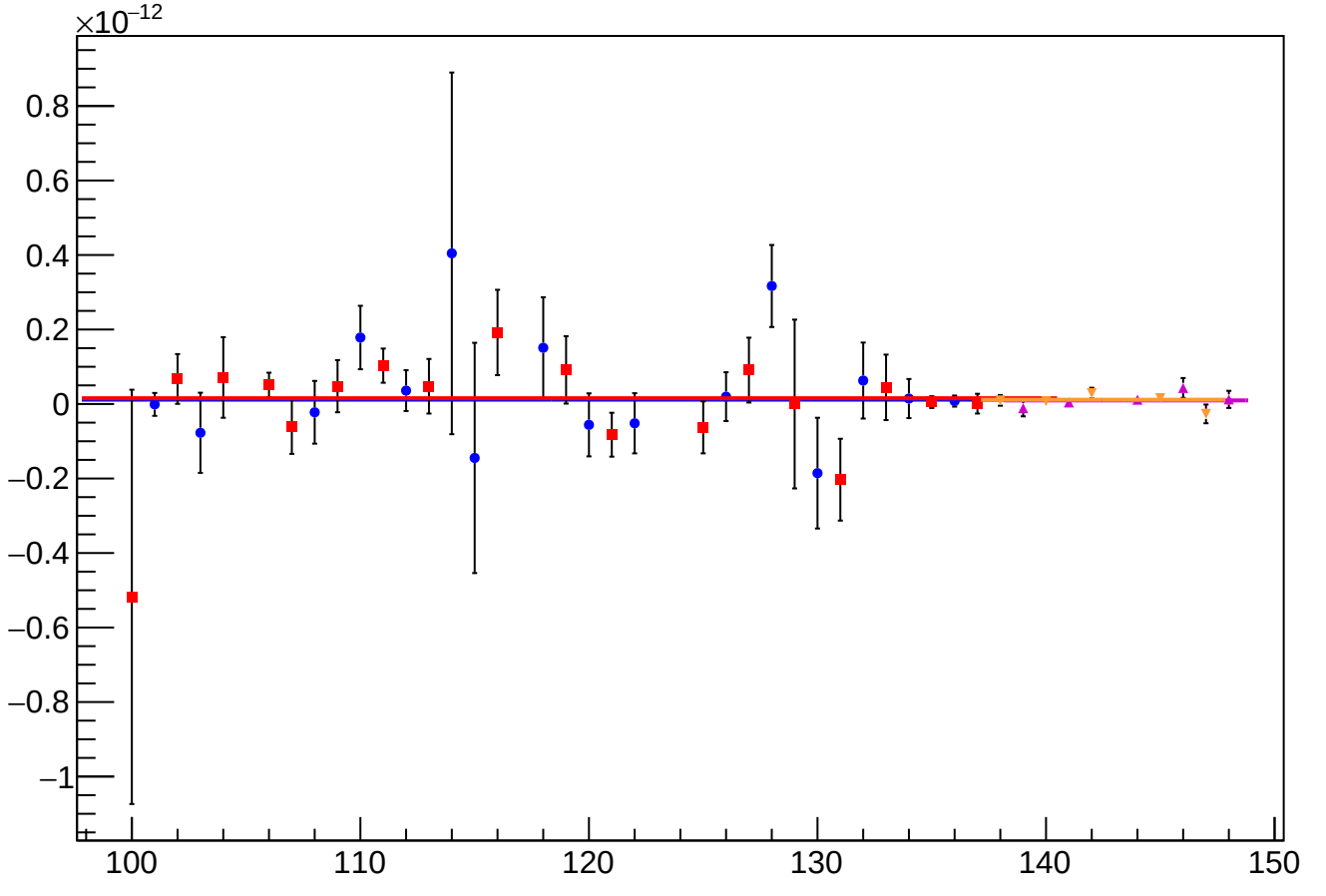
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1808.321+/-0.611 χ^2/NDF:2534.6/4

+ sign 1950.400+/-0.427 χ^2/NDF: 1032399.7/20

All: 1955.778+/-0.297 χ^2/NDF: 1831409.3/43

- sign 1960.821+/-0.414 χ^2/NDF: 798702.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/4

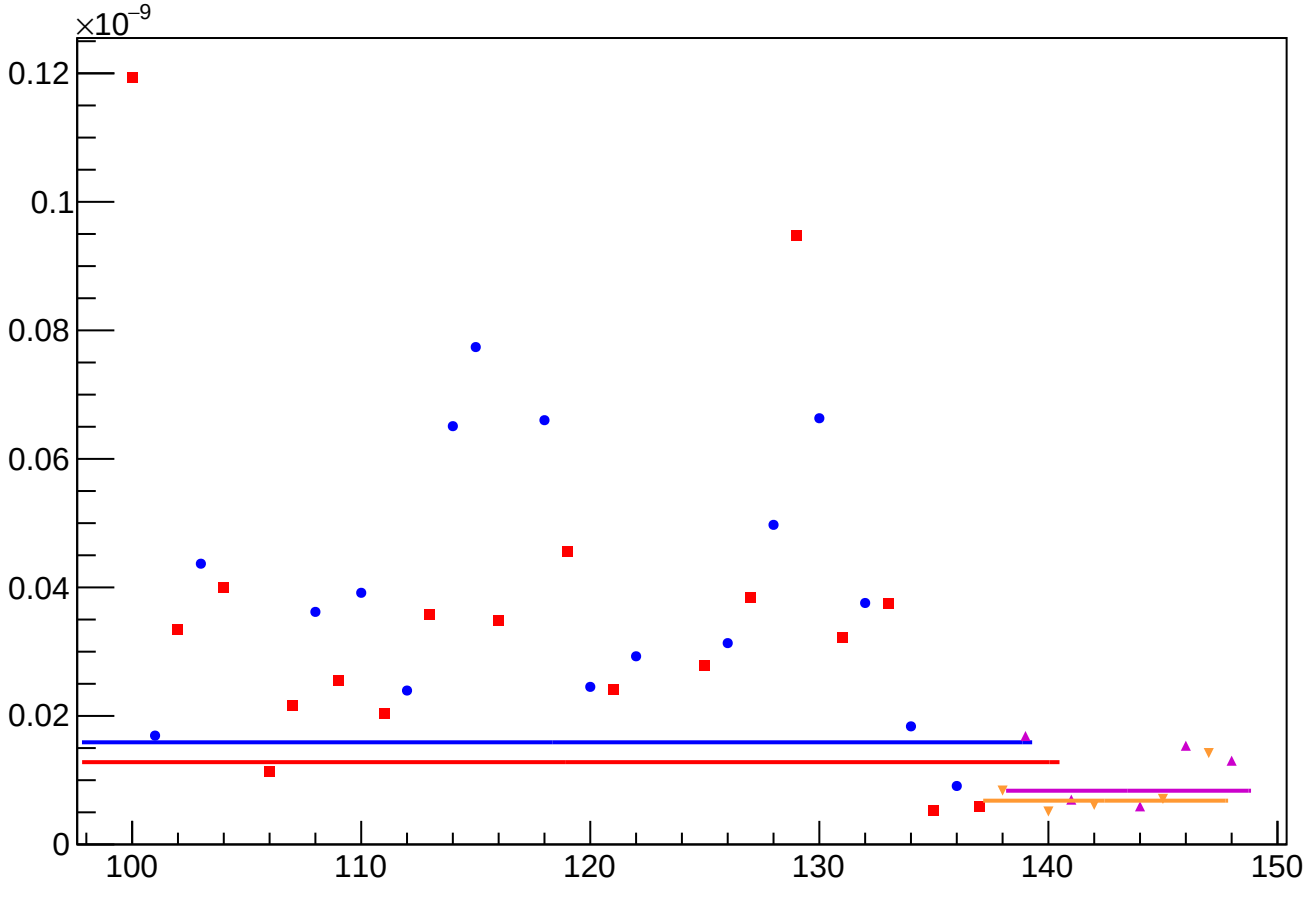
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/20

All: 0.000+/-0.000 χ^2/NDF: 45.8/43

- sign 0.000+/-0.000 χ^2/NDF: 23.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:264786.1/4

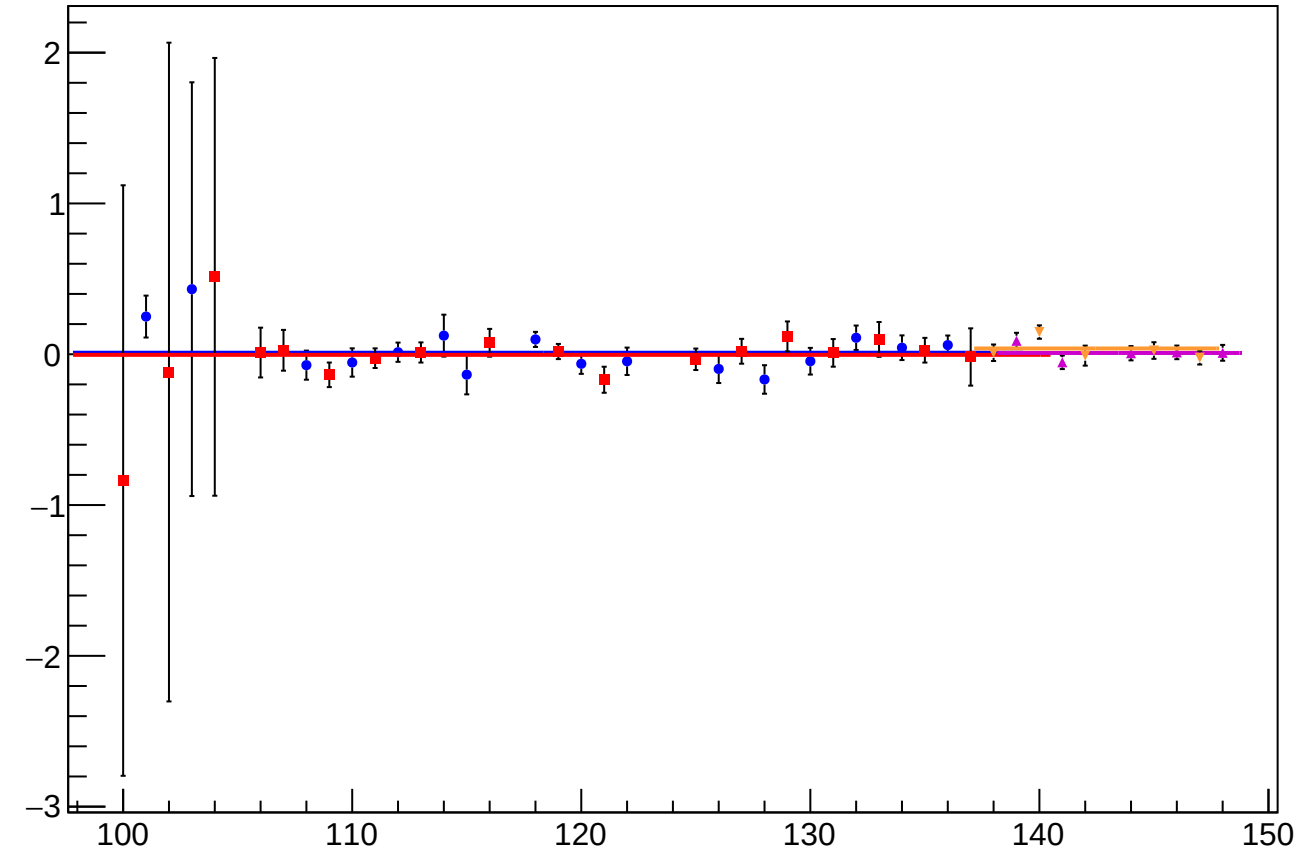
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:683159.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3178050.3/20

All: 0.000+/-0.000 χ^2/NDF: 6625905.3/43

- sign 0.000+/-0.000 χ^2/NDF: 3420049.1/22



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.038+/-0.023 χ^2/NDF:8.7/4

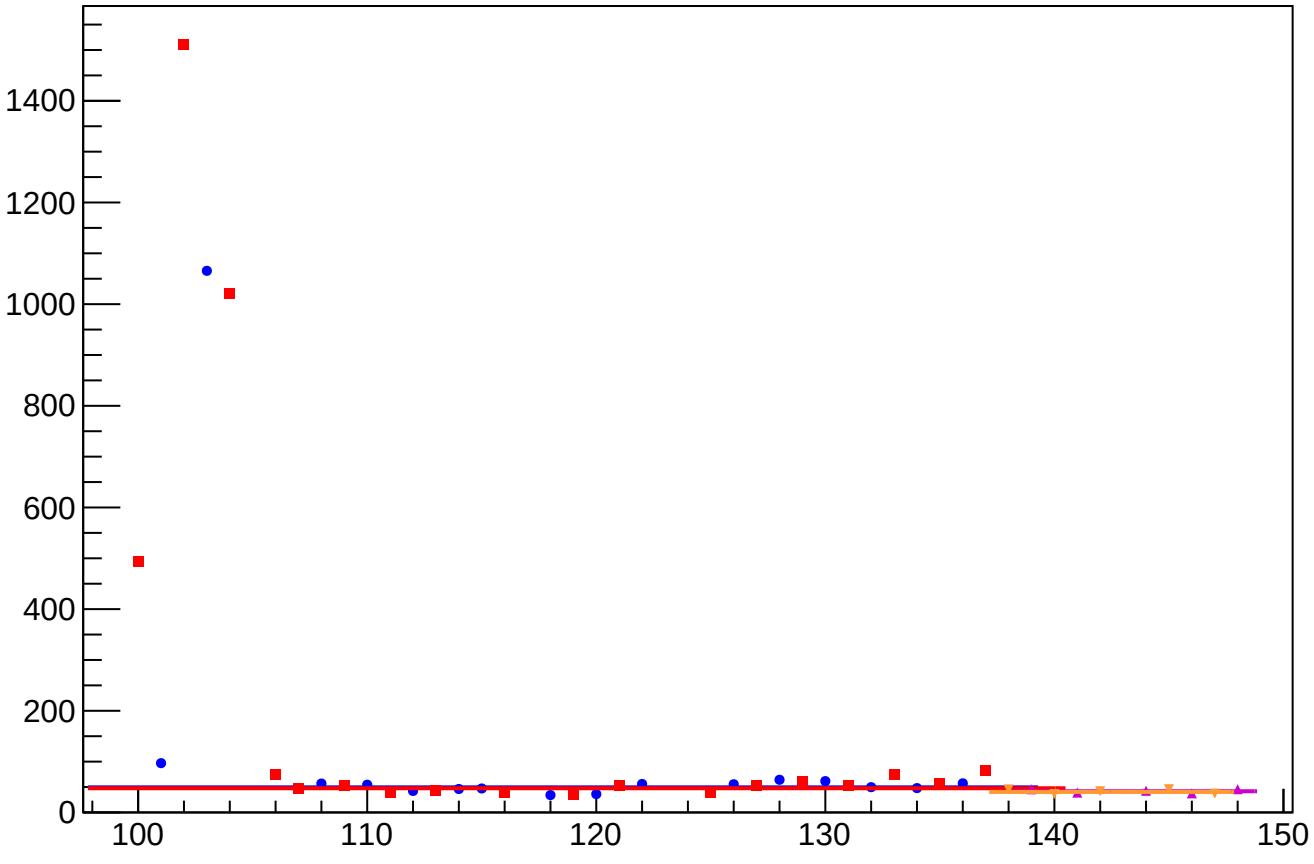
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/43

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22



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

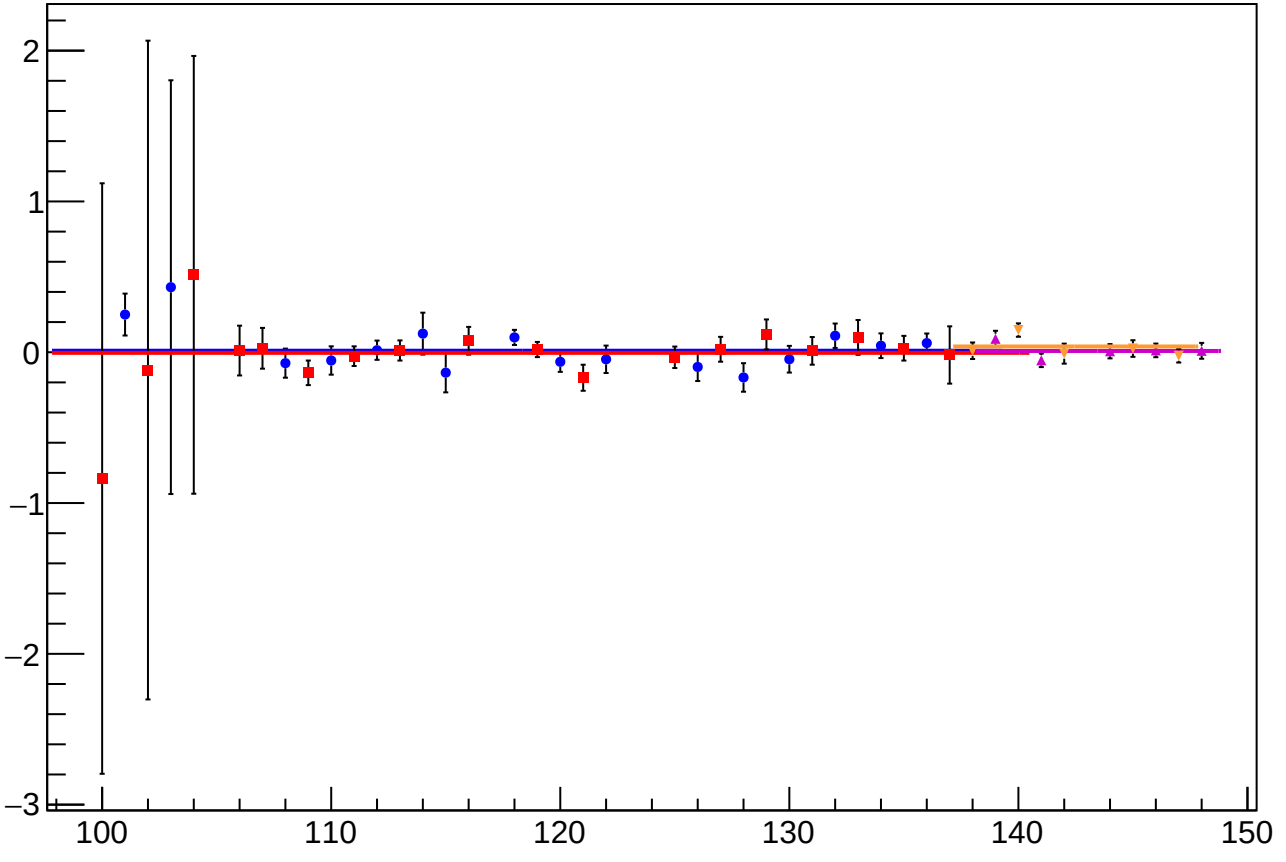
Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

+ sign 45.275+/-0.011 χ^2/NDF: 2004721.4/20

All: 44.970+/-0.008 χ^2/NDF: 4545840.2/43

- sign 44.677+/-0.011 χ^2/NDF: 2539604.4/22

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

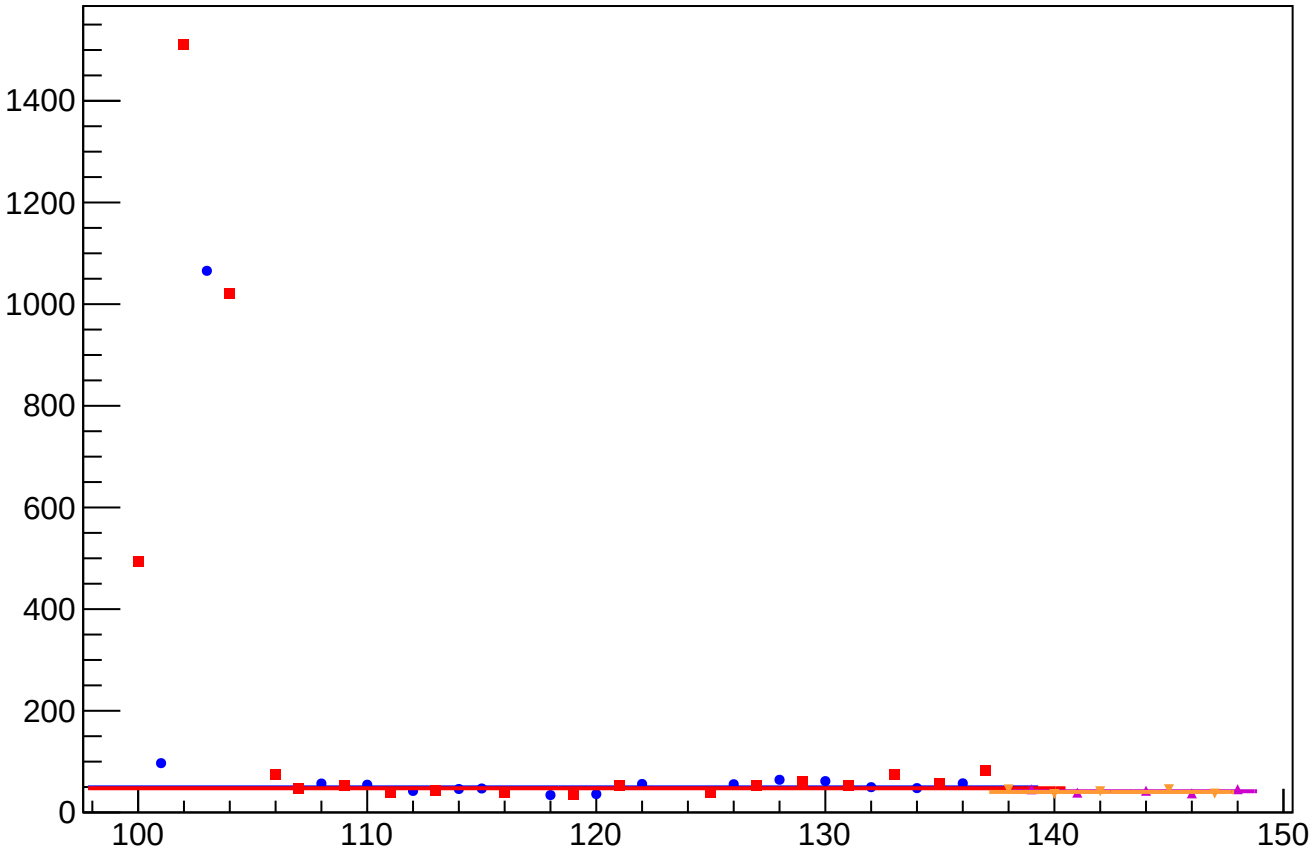
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/43

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.369+/-0.016 χ^2/NDF:62052.8/4

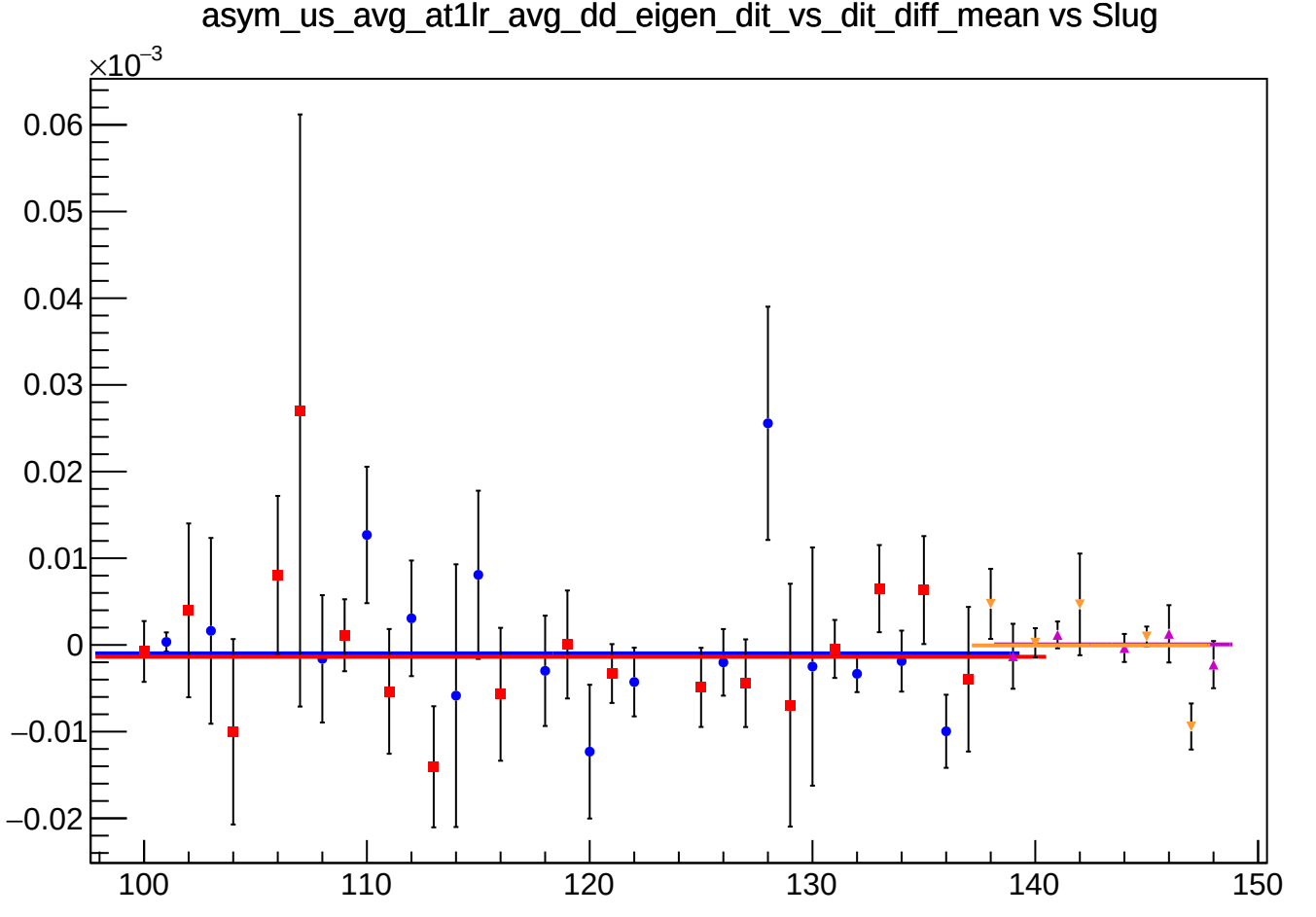
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

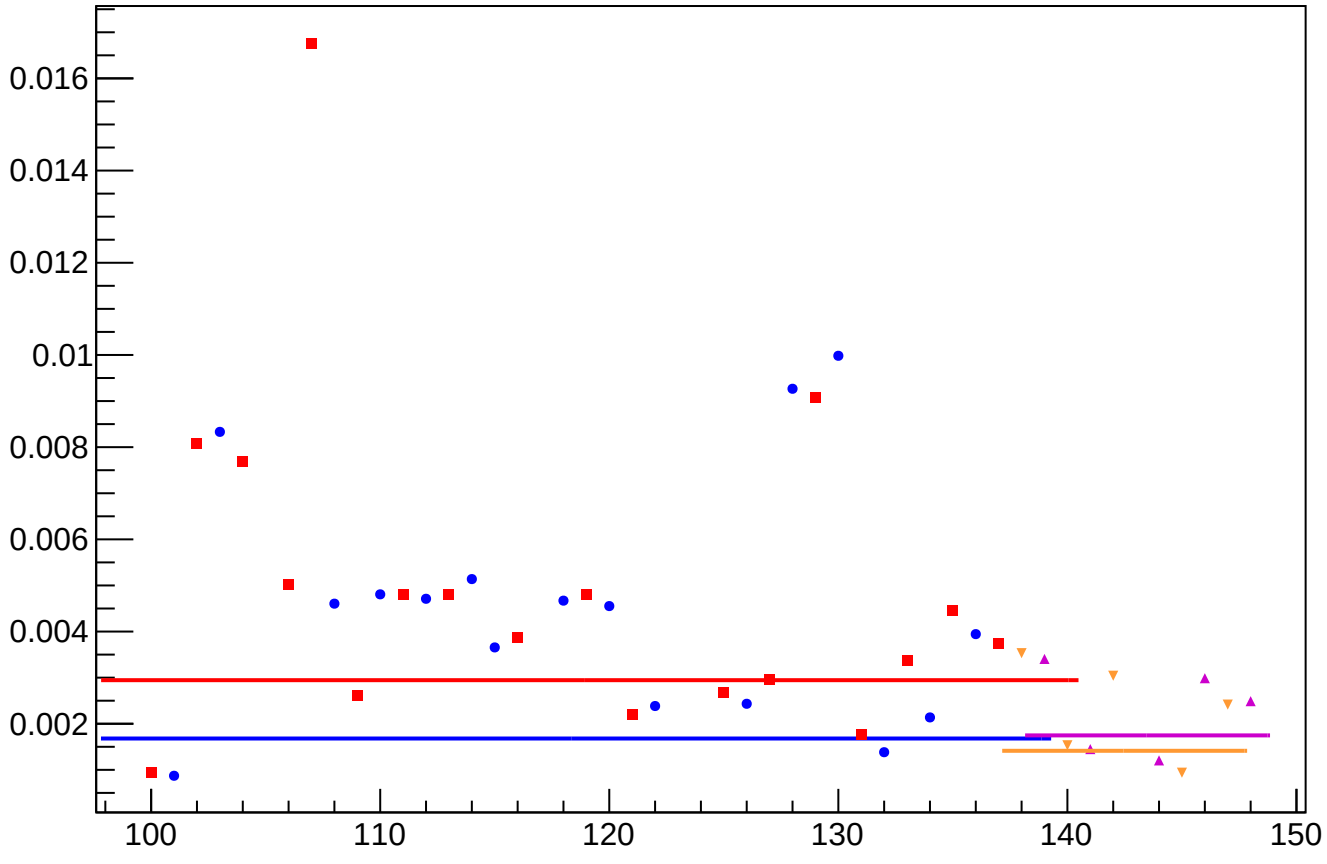
Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

+ sign 45.275+/-0.011 χ^2/NDF: 2004721.4/20

All: 44.970+/-0.008 χ^2/NDF: 4545840.2/43

- sign 44.677+/-0.011 χ^2/NDF: 2539604.4/22


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/4
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:1.6/4
+ sign -0.000+/-0.000 χ²/NDF: 34.5/20
All: -0.000+/-0.000 χ²/NDF: 49.5/43
- sign -0.000+/-0.000 χ²/NDF: 15.0/22



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

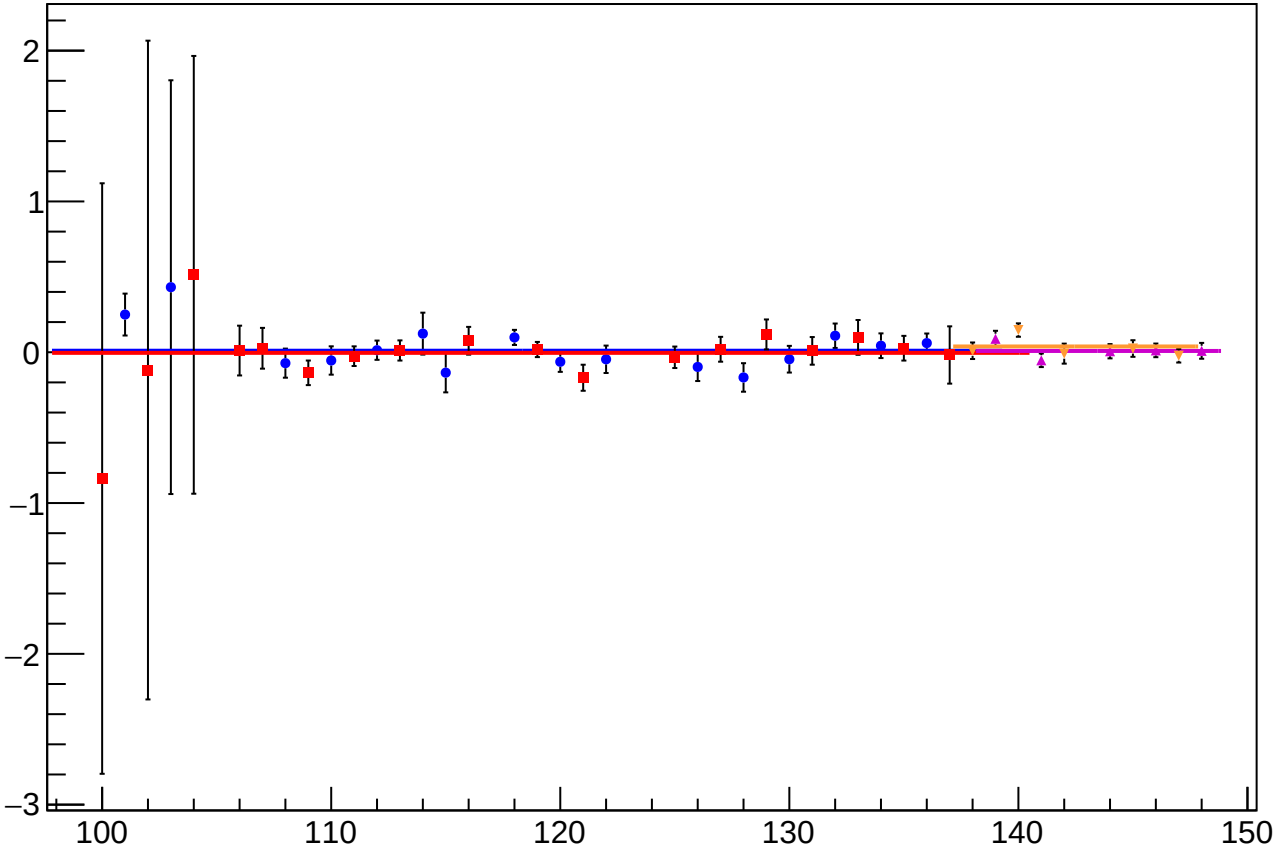
Left In: 0.002+/-0.000 χ^2/NDF:1121490.7/4

+ sign 0.002+/-0.000 χ^2/NDF: 7401253.9/20

All: 0.002+/-0.000 χ^2/NDF: 13830464.5/43

- sign 0.002+/-0.000 χ^2/NDF: 5616581.2/22

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.038+/-0.023 χ^2/NDF:8.7/4

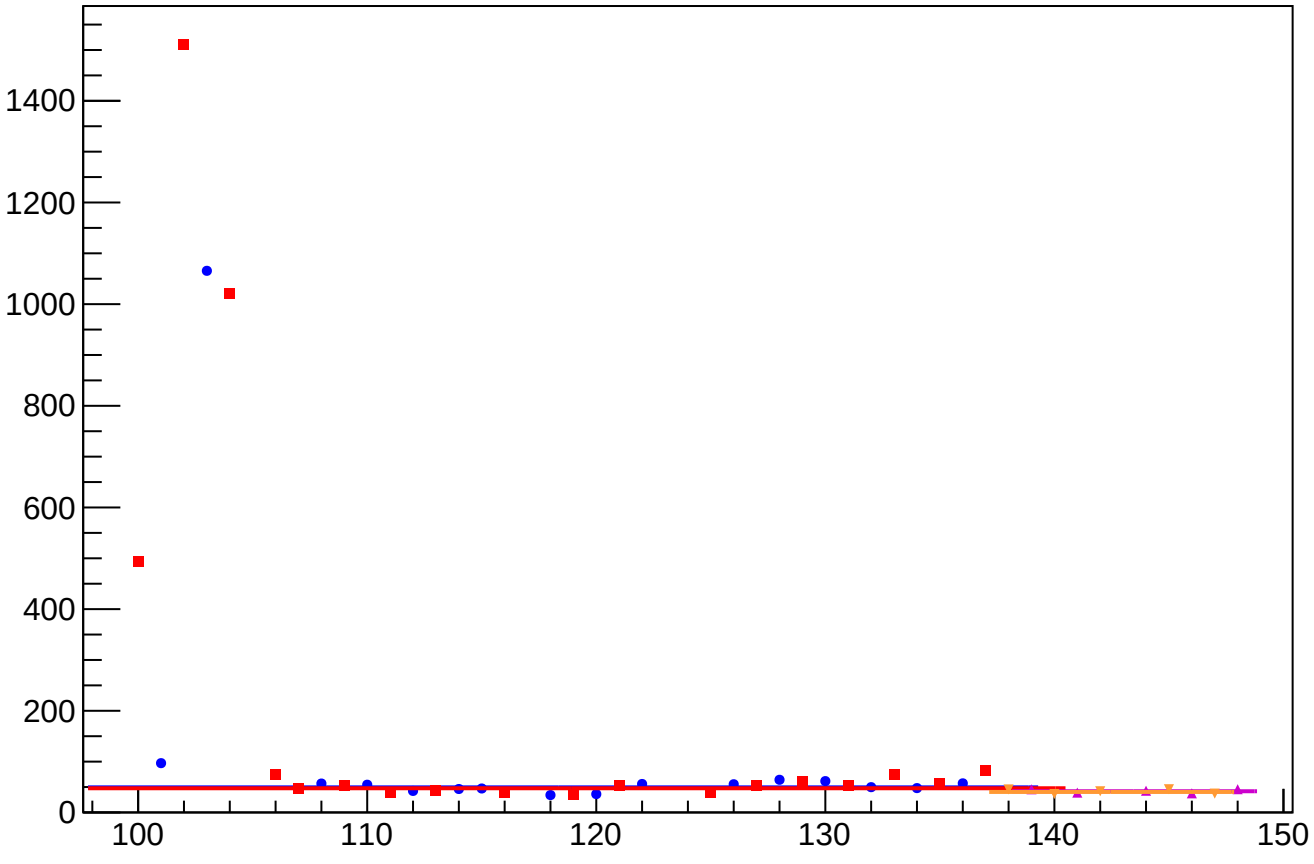
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/43

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22



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

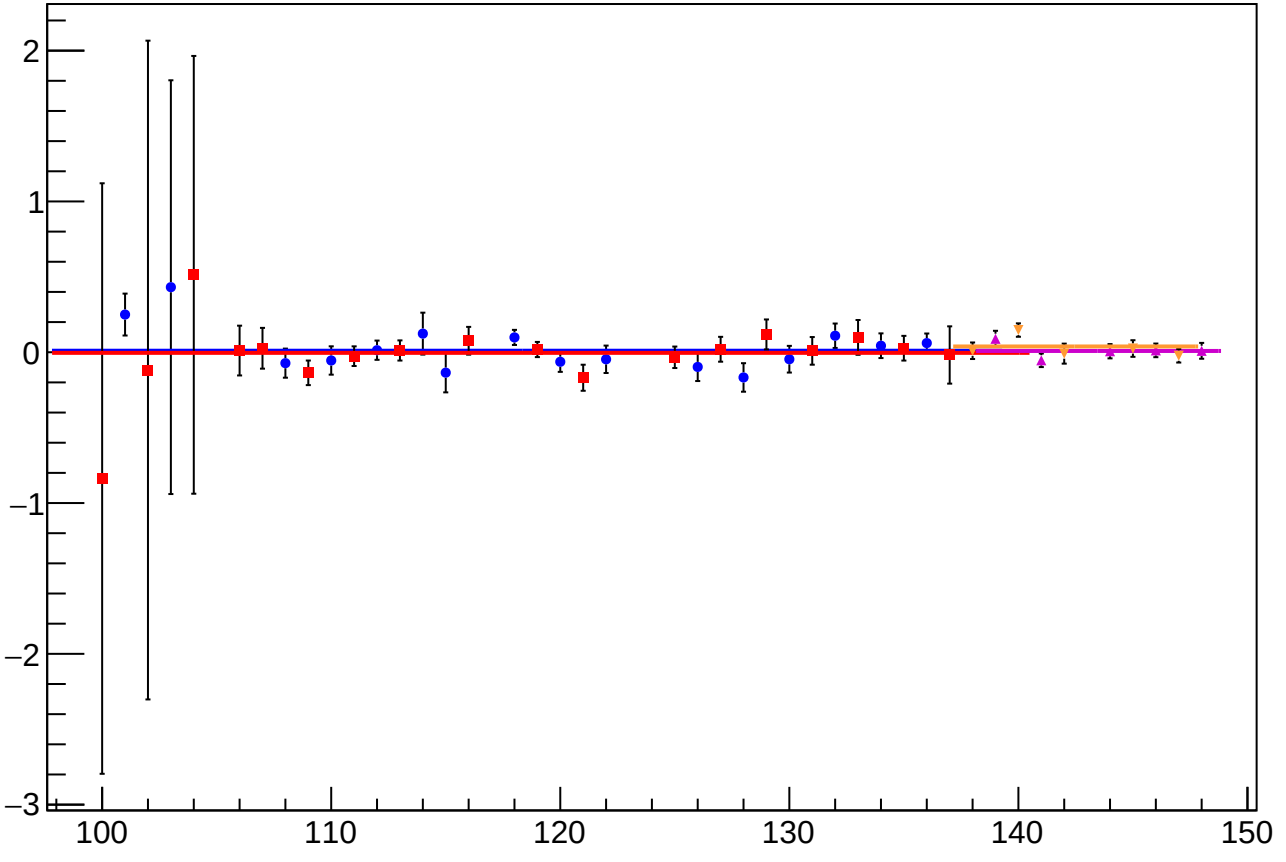
Left In: 41.725+/-0.015 χ^2/NDF:47057.9/4

+ sign 45.275+/-0.011 χ^2/NDF: 2004673.7/20

All: 44.970+/-0.008 χ^2/NDF: 4545842.5/43

- sign 44.676+/-0.011 χ^2/NDF: 2539649.4/22

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

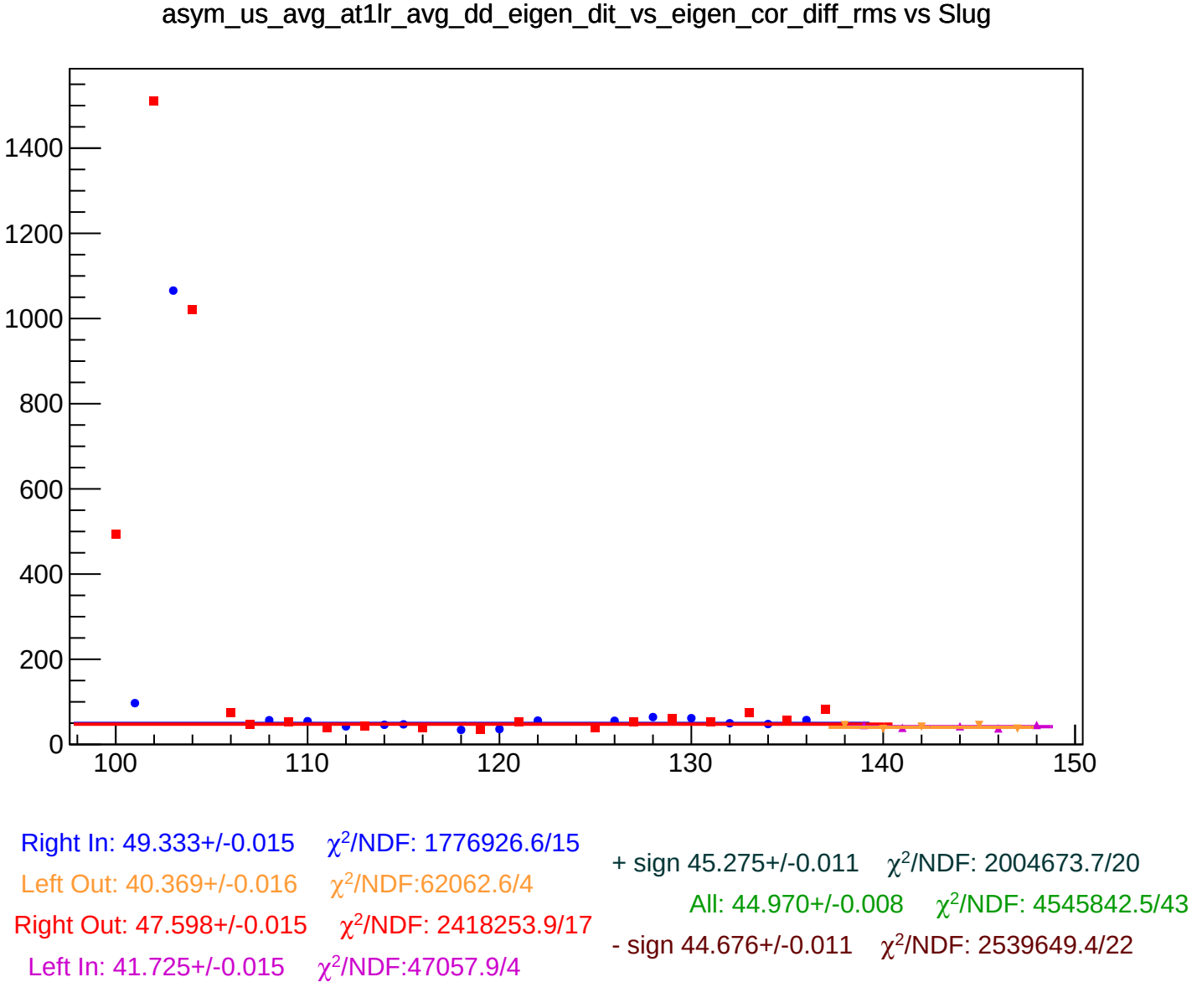
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

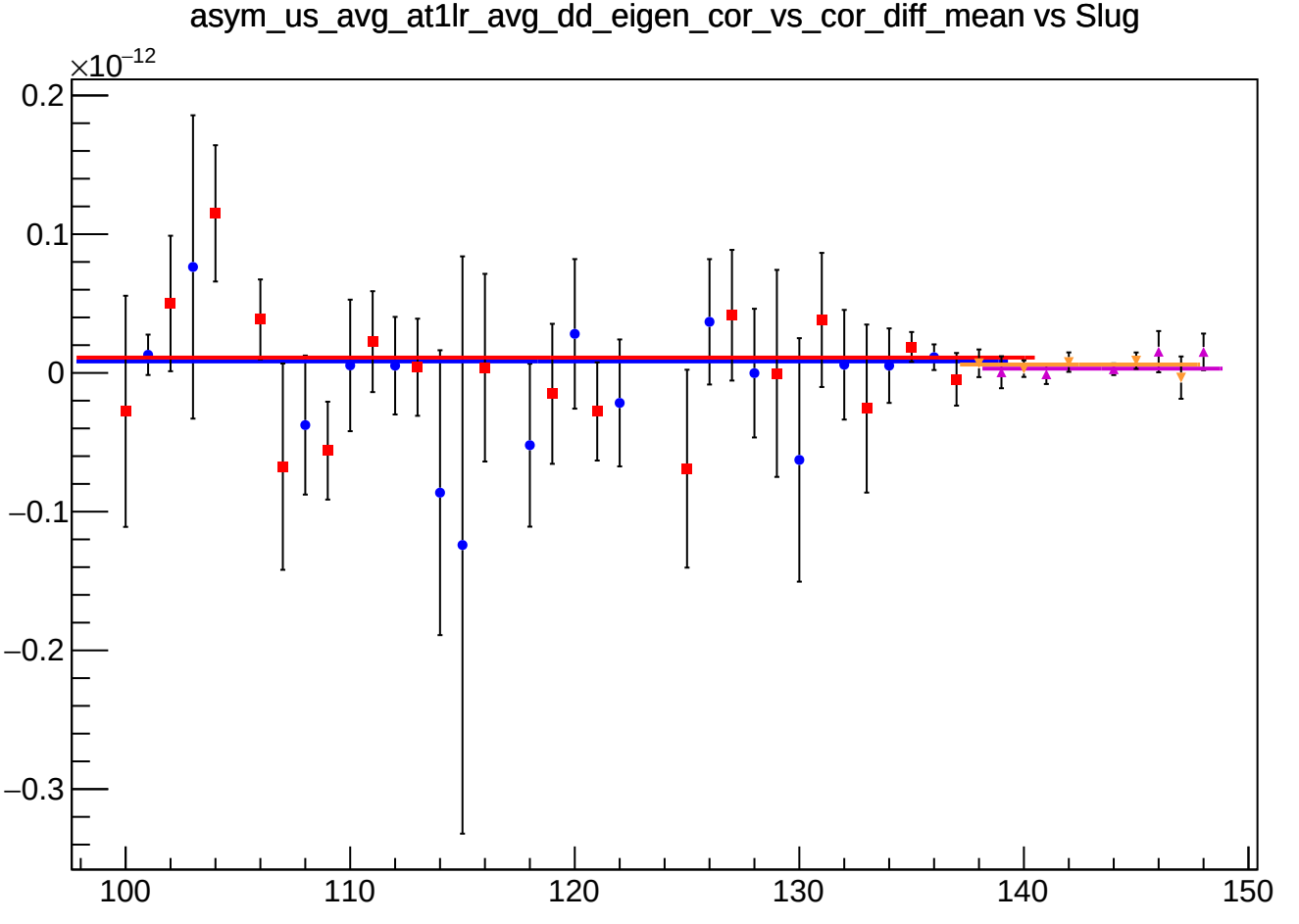
Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

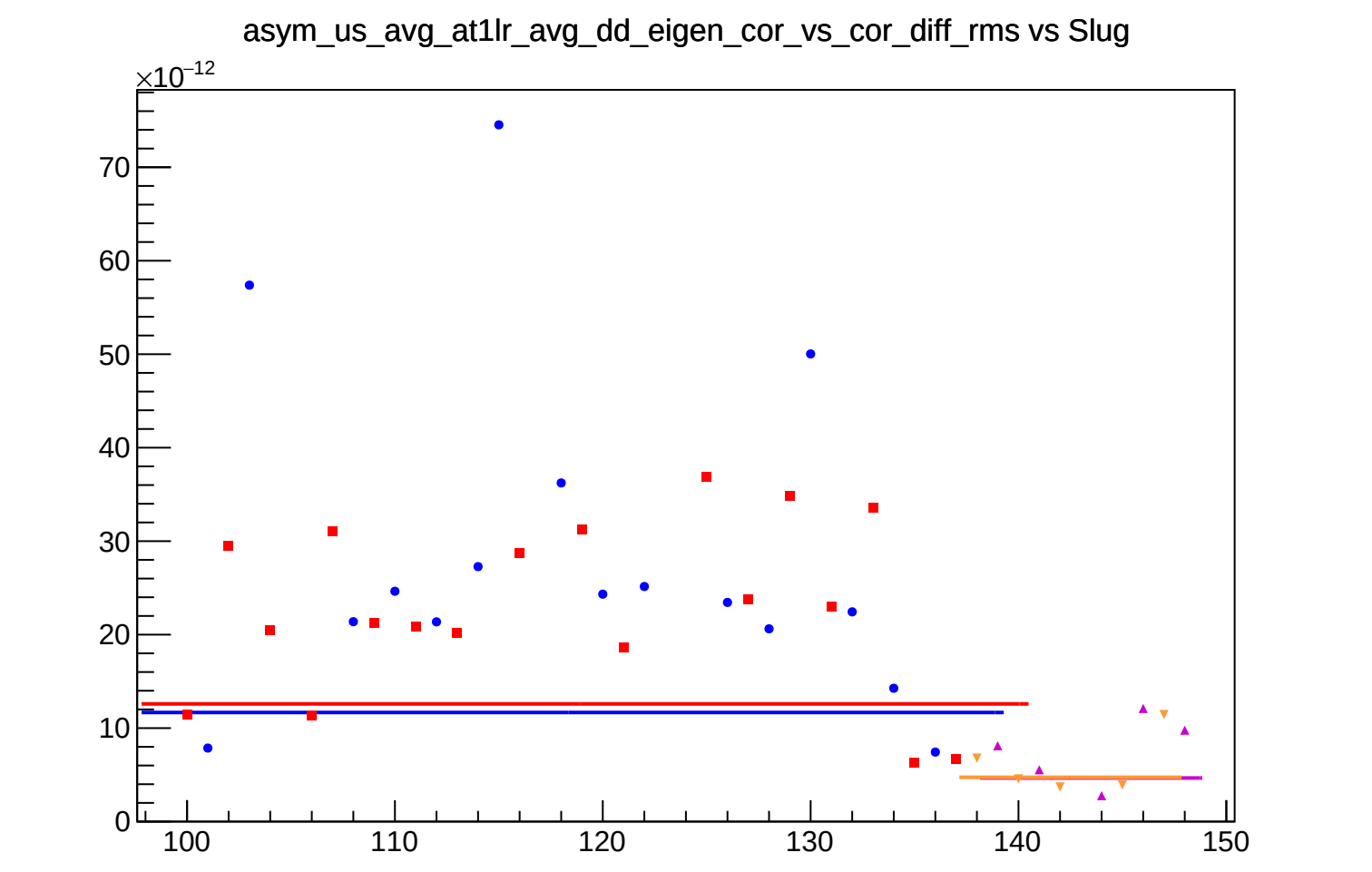
+ sign 0.023+/-0.016 χ^2/NDF: 27.9/20

All: 0.012+/-0.011 χ^2/NDF: 43.7/43

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
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: 41.725+/-0.015 χ²/NDF:47057.9/4
+ sign 45.275+/-0.011 χ²/NDF: 2004673.7/20
All: 44.970+/-0.008 χ²/NDF: 4545842.5/43
- sign 44.676+/-0.011 χ²/NDF: 2539649.4/22


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:0.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:1.9/4
+ sign 0.000+/-0.000 χ²/NDF: 6.4/20
All: 0.000+/-0.000 χ²/NDF: 25.8/43
- sign 0.000+/-0.000 χ²/NDF: 19.1/22



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

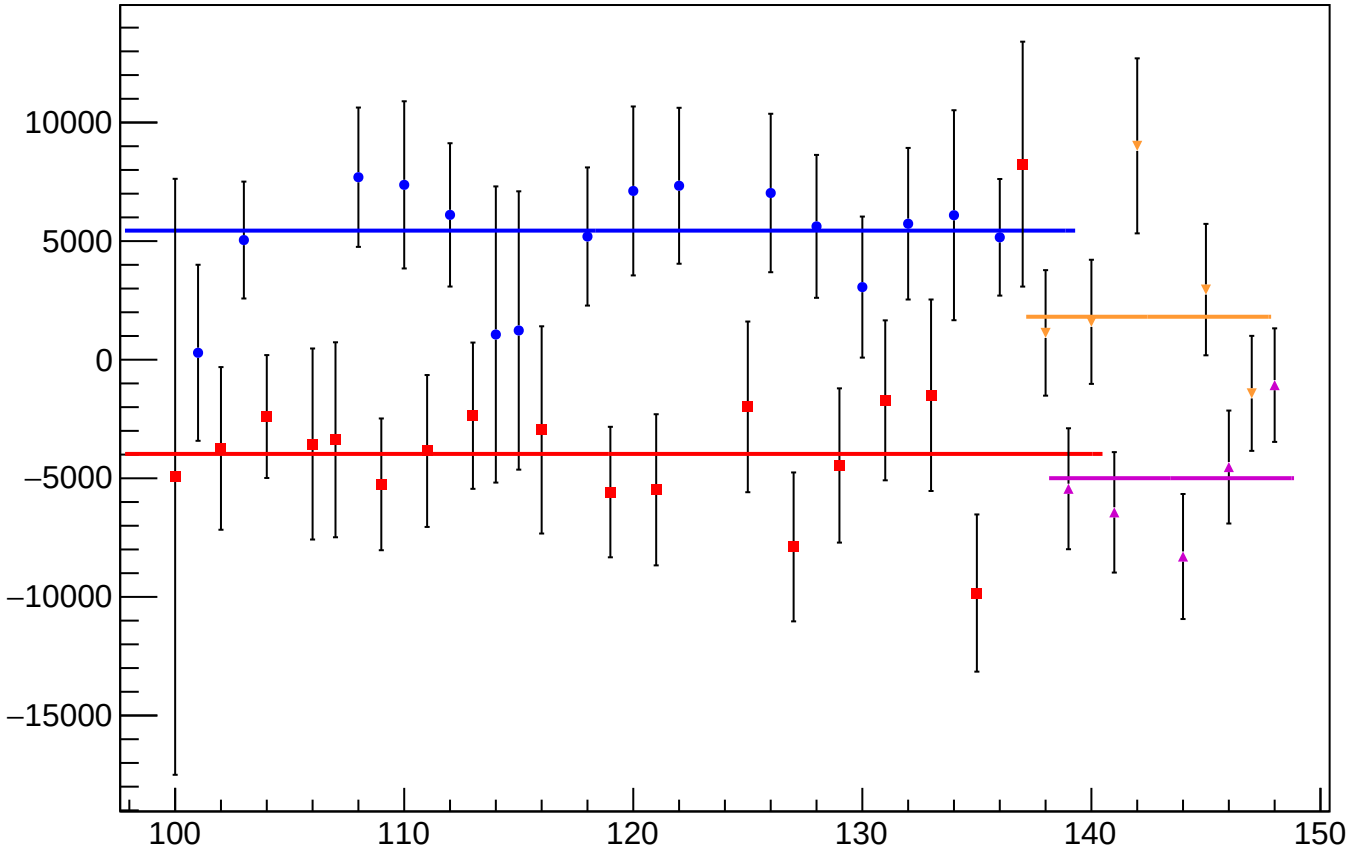
Left In: 0.000+/-0.000 χ^2/NDF:1416706.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 5196499.3/20

All: 0.000+/-0.000 χ^2/NDF: 11538747.8/43

- sign 0.000+/-0.000 χ^2/NDF: 6340931.3/22

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

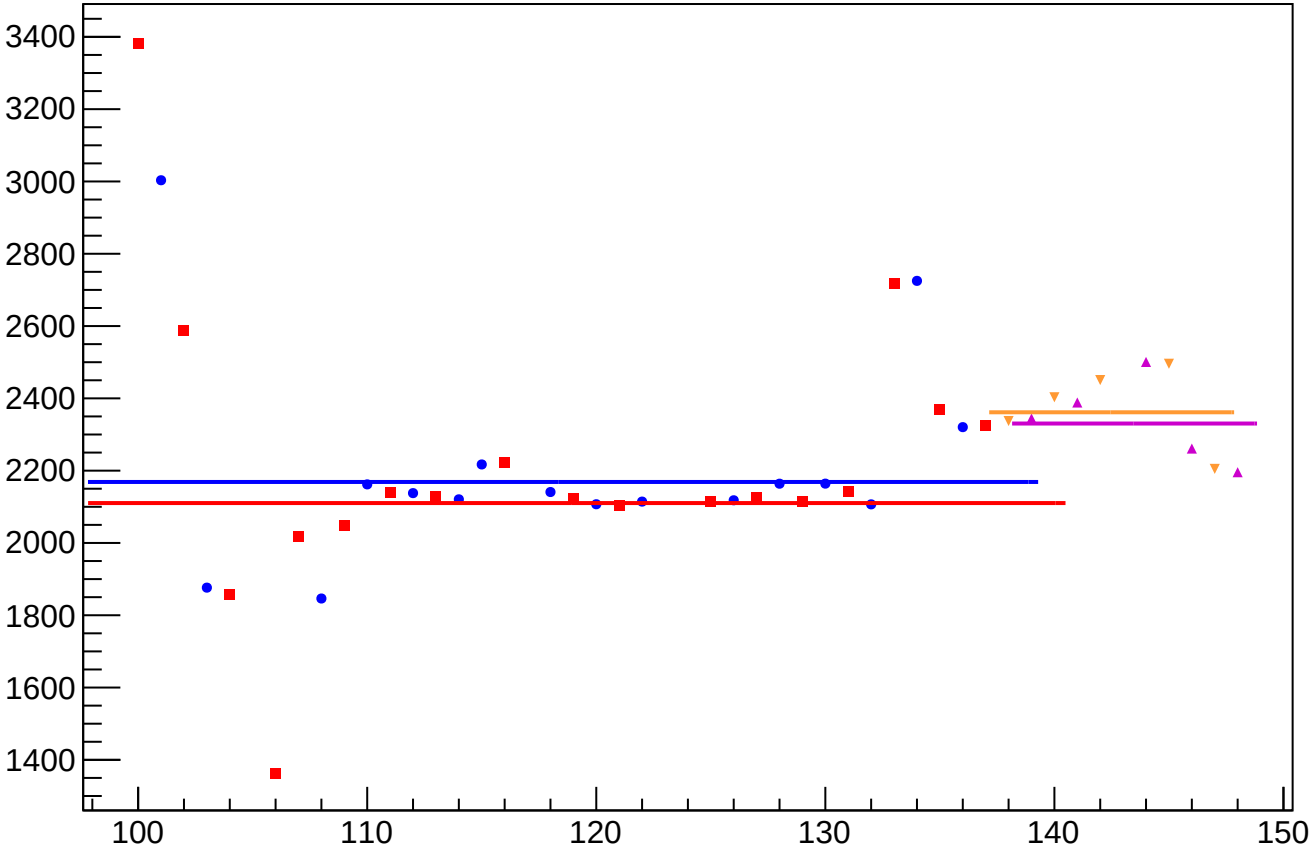
Left In: -4994.829+/-1115.426 χ^2/NDF:4.6/4

+ sign 4337.063+/-677.675 χ^2/NDF: 17.3/20

All: -141.670+/-470.930 χ^2/NDF: 119.9/43

- sign -4324.412+/-654.899 χ^2/NDF: 18.2/22

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

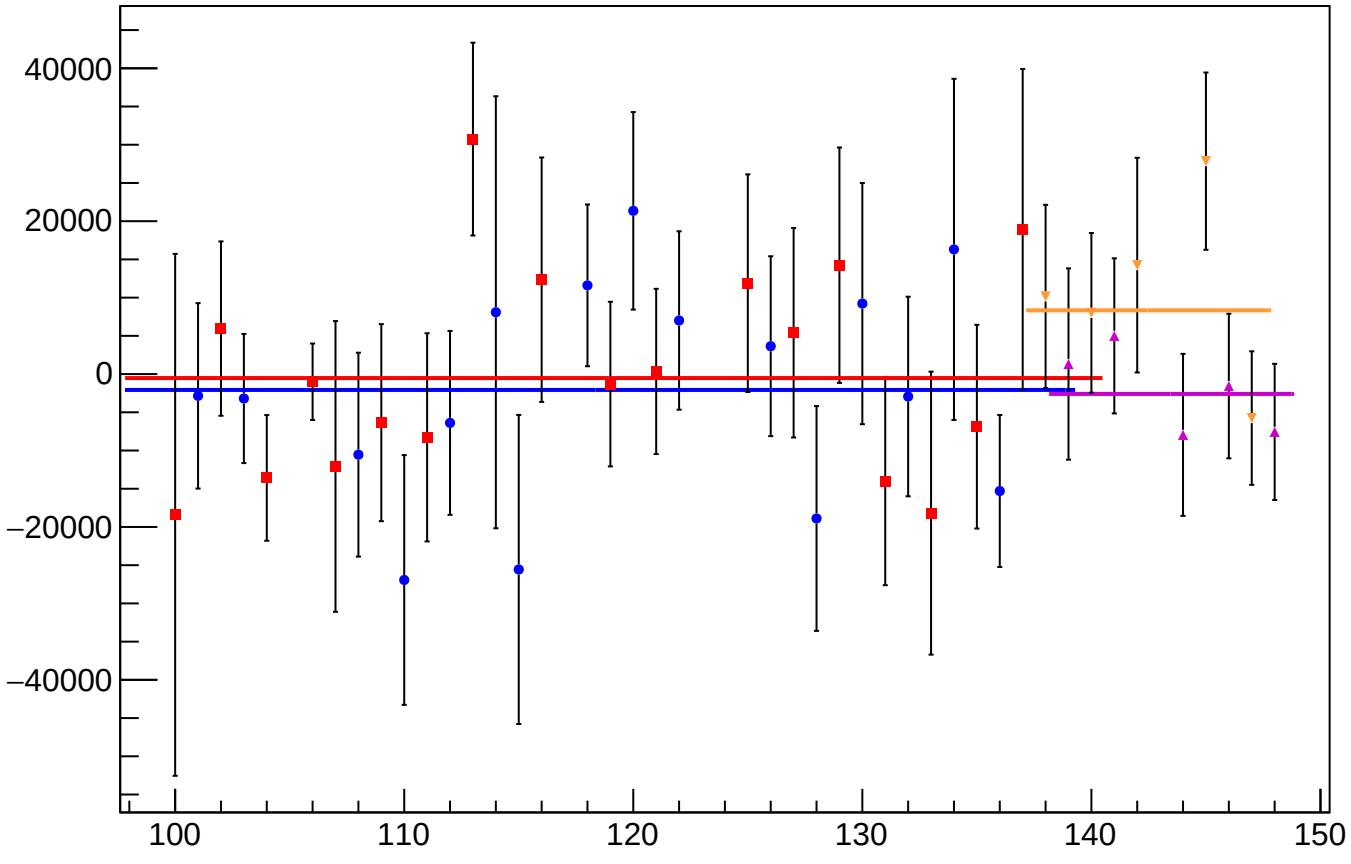
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

+ sign 2227.390+/-0.479 χ^2/NDF: 244800.7/20

All: 2205.049+/-0.331 χ^2/NDF: 585408.4/43

- sign 2184.620+/-0.458 χ^2/NDF: 336446.3/22



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 8338.433+/-4894.311 χ^2/NDF:5.6/4

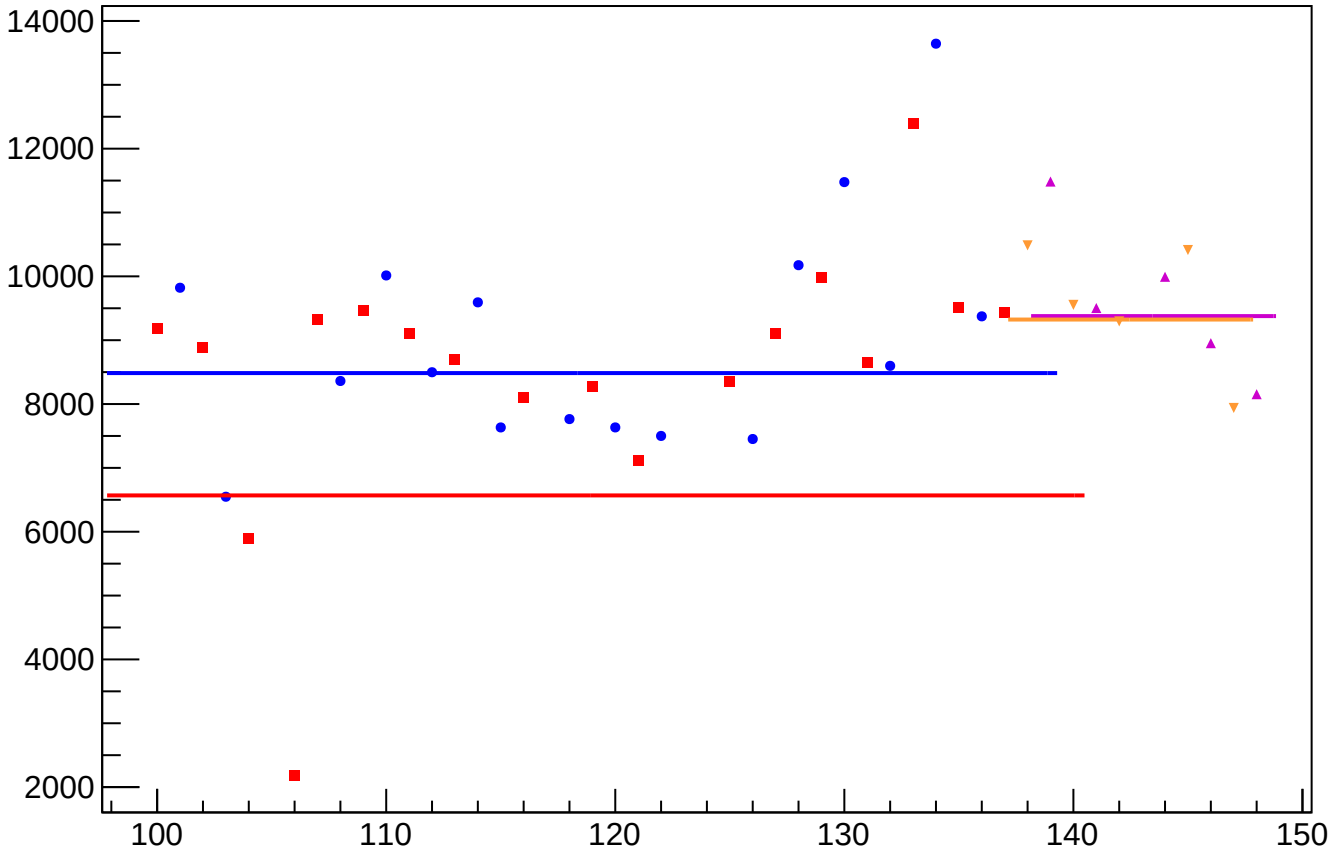
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2597.423+/-4526.546 χ^2/NDF:1.2/4

\+ sign 1060.077+/-2685.413 χ^2/NDF: 23.2/20

All: -156.246+/-1759.327 χ^2/NDF: 40.7/43

\- sign -1070.874+/-2328.674 χ^2/NDF: 17.1/22



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

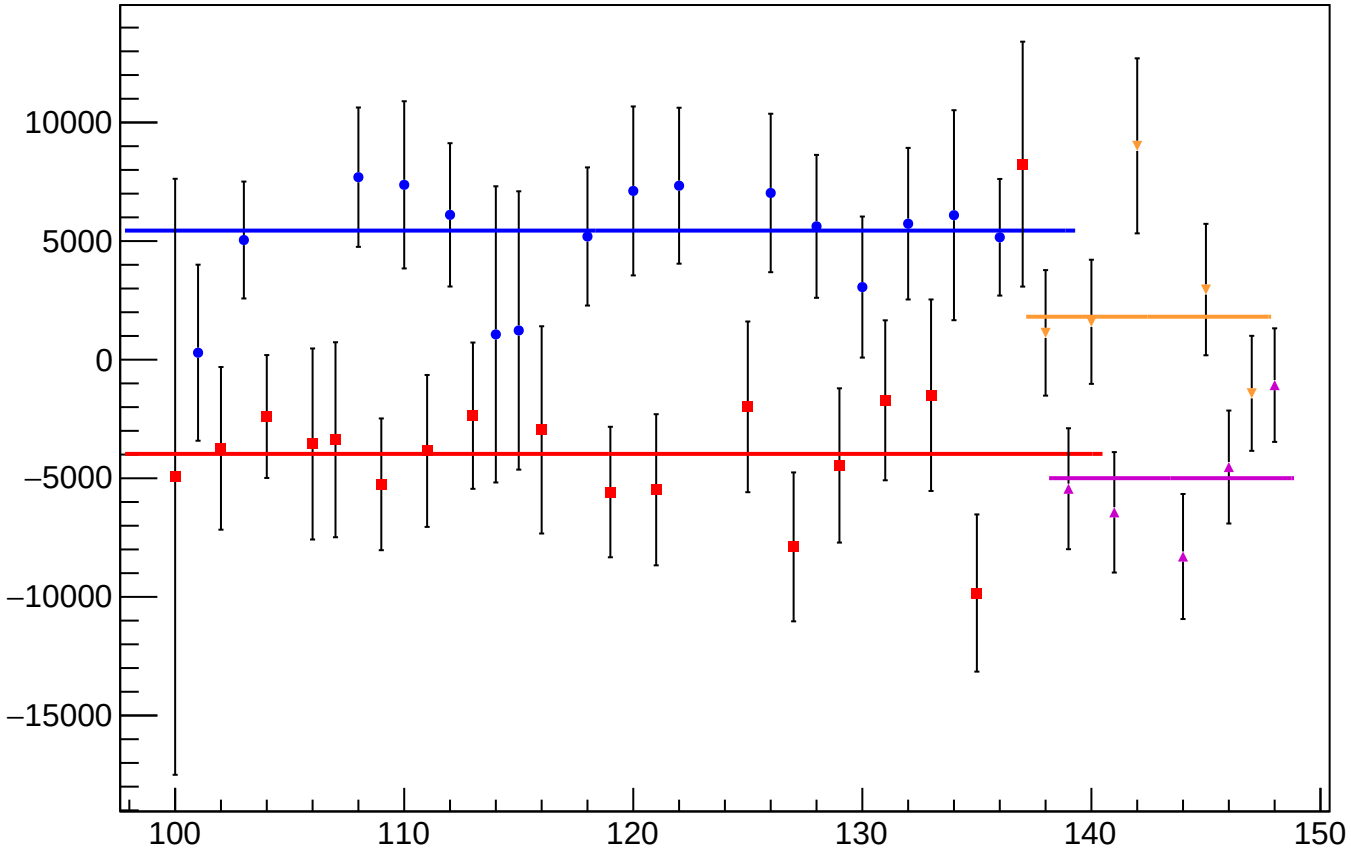
Left In: 9377.491+/-3.201 χ^2/NDF:105572.7/4

+ sign 8737.430+/-1.899 χ^2/NDF: 551418.7/20

All: 7923.853+/-1.244 χ^2/NDF: 4113756.5/43

- sign 7312.074+/-1.647 χ^2/NDF: 3240727.1/22

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

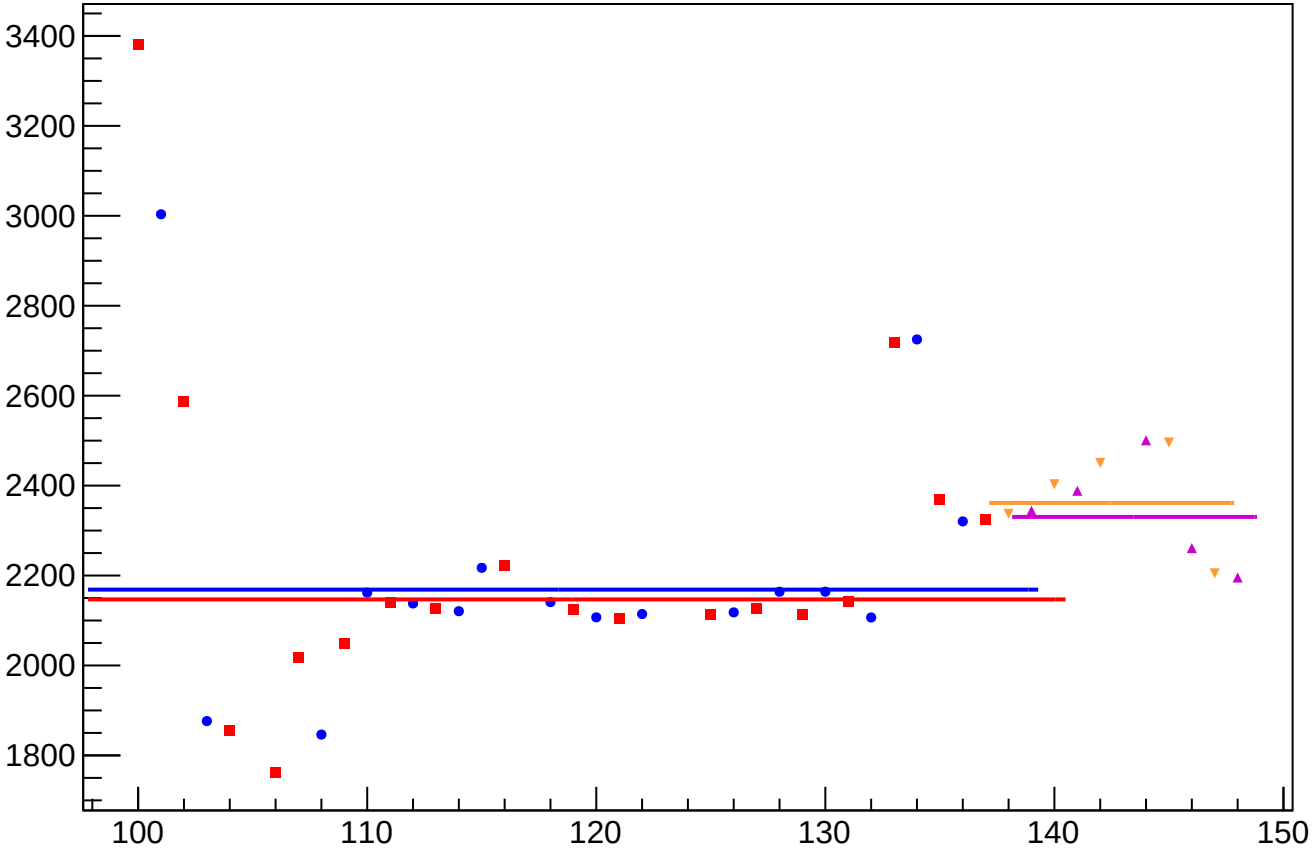
Left In: -4995.173+/-1115.426 χ^2/NDF:4.6/4

\+ sign 4337.203+/-677.675 χ^2/NDF: 17.3/20

All: -141.576+/-470.930 χ^2/NDF: 119.9/43

\- sign -4324.361+/-654.899 χ^2/NDF: 18.2/22

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

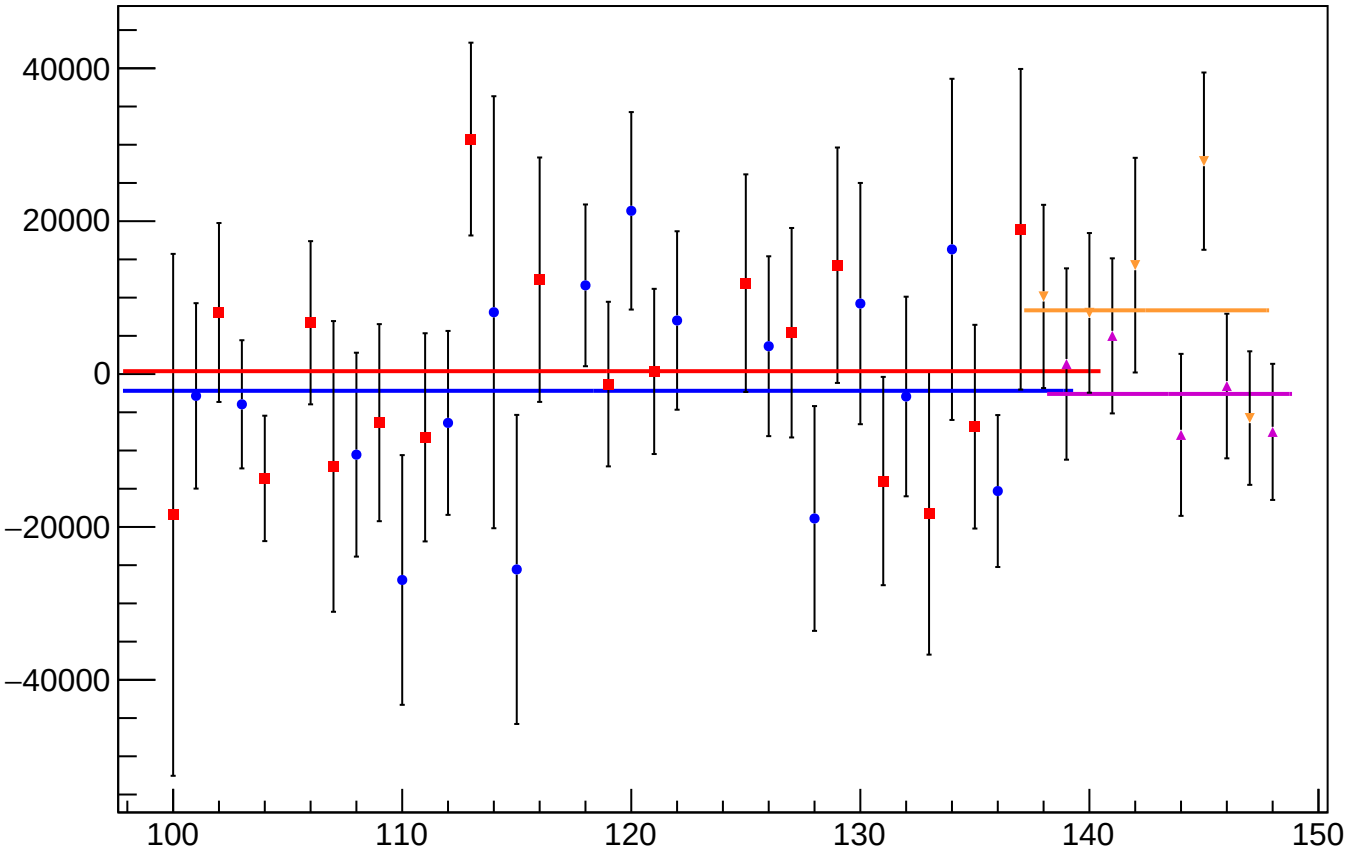
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

+ sign 2227.390+/-0.479 χ^2/NDF: 244801.1/20

All: 2218.227+/-0.332 χ^2/NDF: 456328.9/43

- sign 2209.725+/-0.462 χ^2/NDF: 210822.7/22



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8338.504+/-4894.306 χ^2/NDF:5.6/4

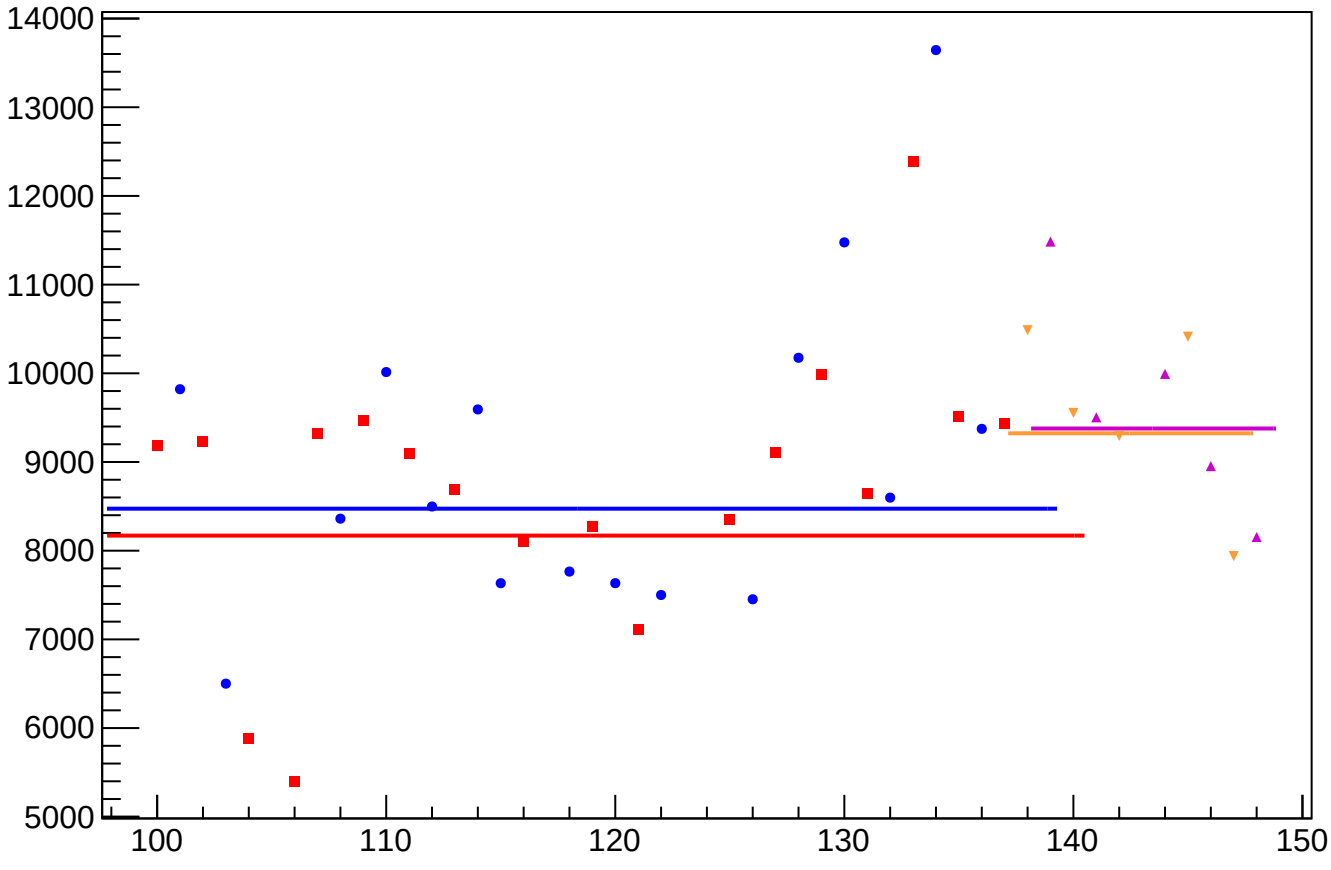
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2597.487+/-4526.543 χ^2/NDF:1.2/4

+ sign 975.209+/-2683.325 χ^2/NDF: 23.3/20

All: 164.984+/-1851.373 χ^2/NDF: 41.3/43

- sign -571.133+/-2557.665 χ^2/NDF: 17.8/22



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

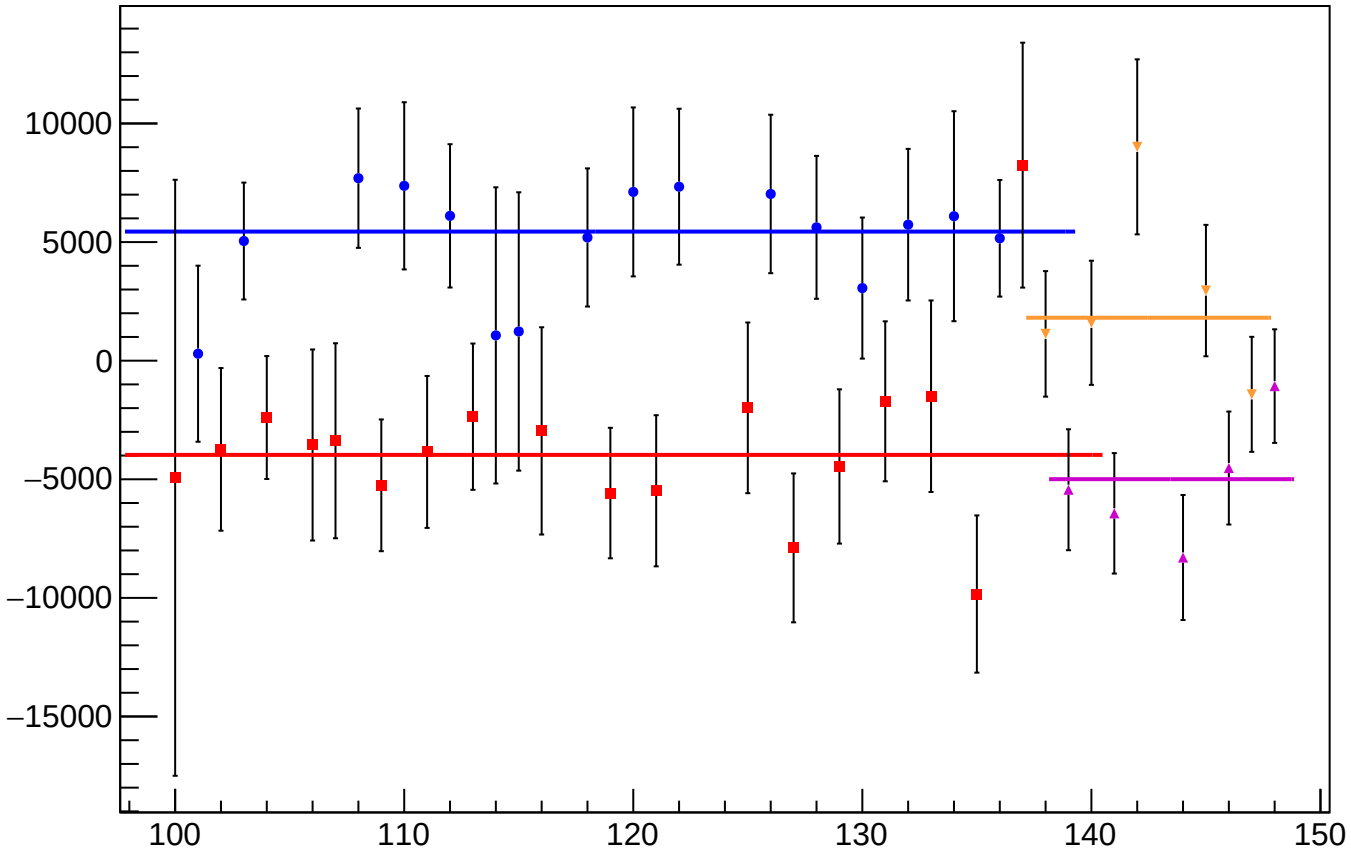
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

+ sign 8729.163+/-1.897 χ^2/NDF: 559394.9/20

All: 8638.185+/-1.309 χ^2/NDF: 1306157.3/43

- sign 8555.529+/-1.809 χ^2/NDF: 742374.6/22



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

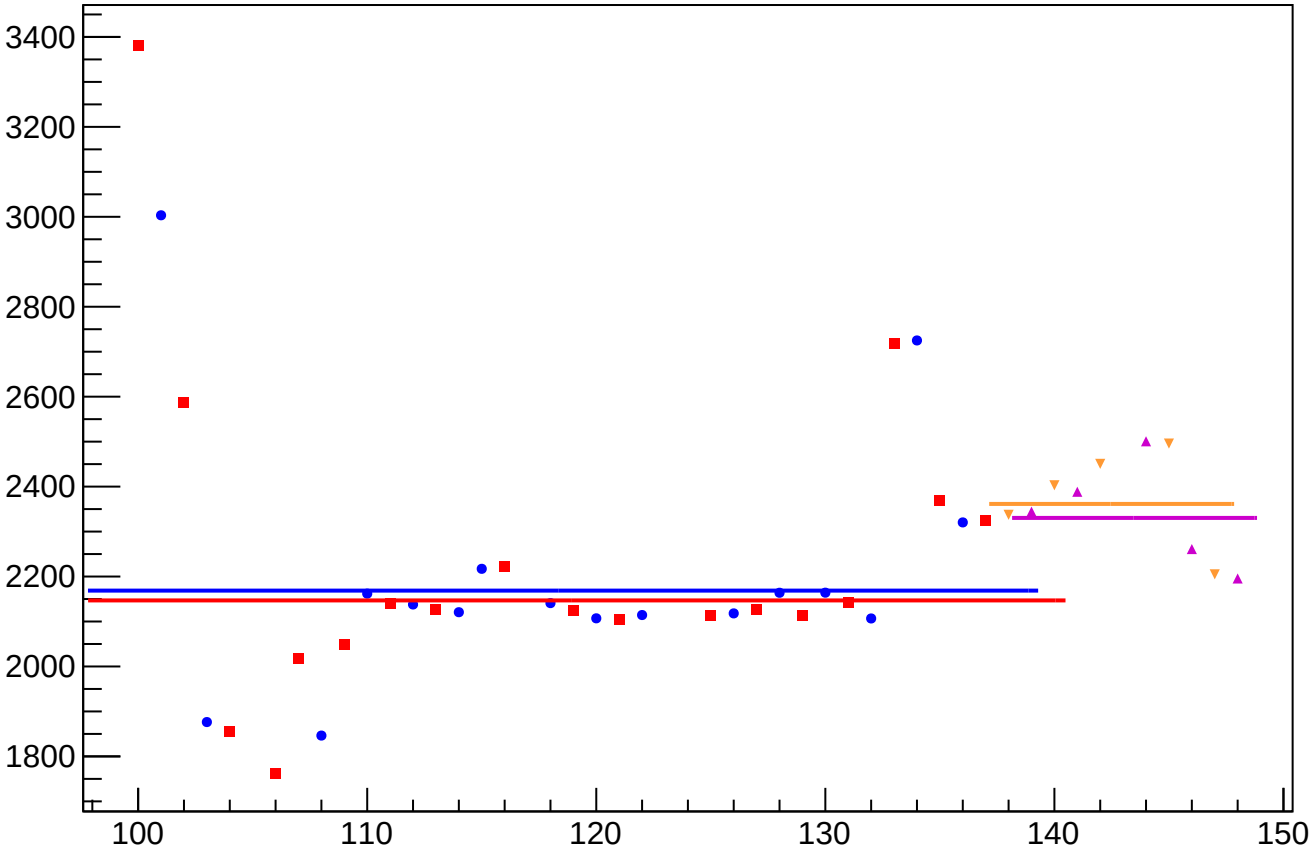
Left In: -4995.173+/-1115.426 χ^2/NDF:4.6/4

+ sign 4337.203+/-677.675 χ^2/NDF: 17.3/20

All: -141.576+/-470.930 χ^2/NDF: 119.9/43

- sign -4324.361+/-654.899 χ^2/NDF: 18.2/22

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

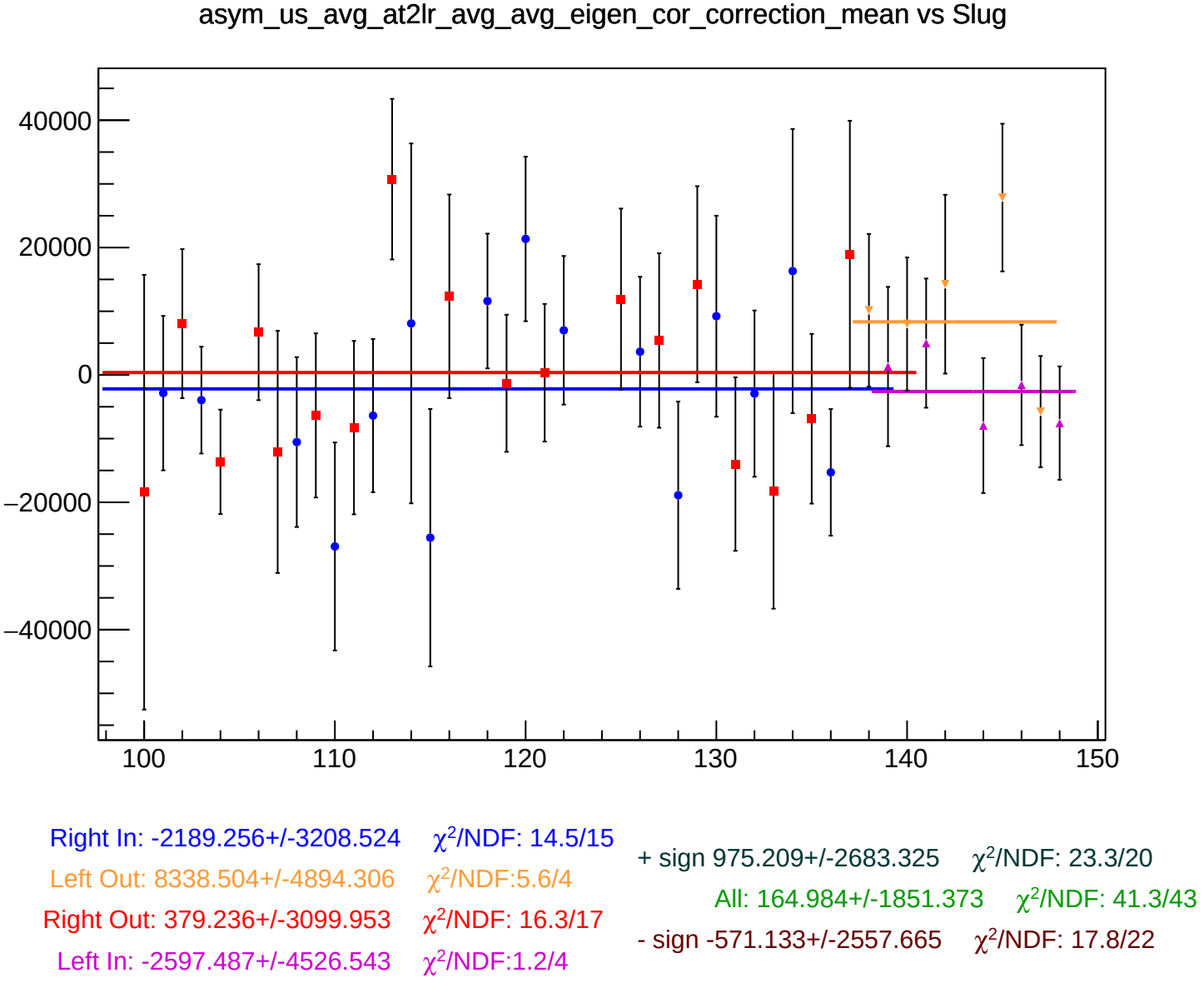
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

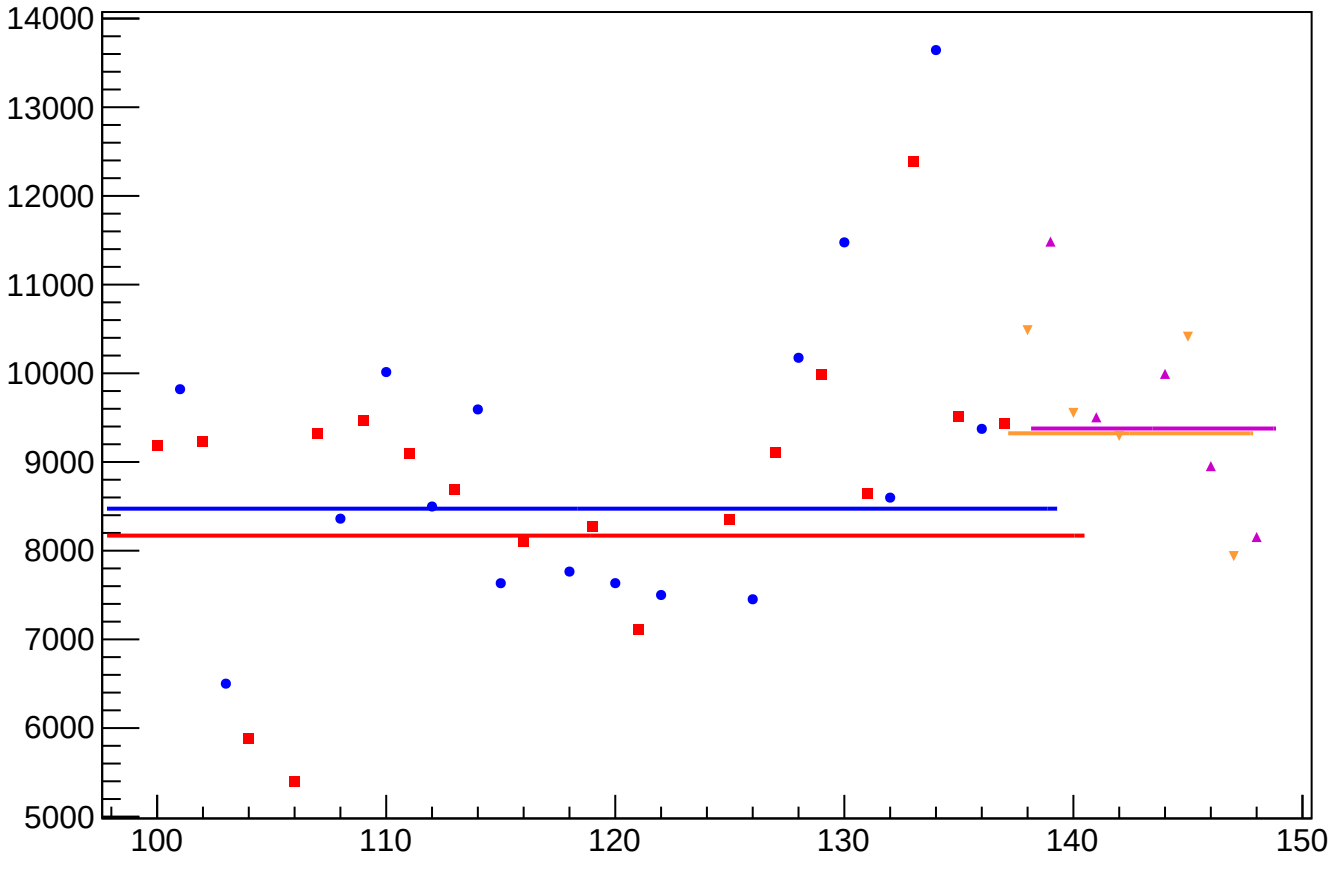
Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

+ sign 2227.390+/-0.479 χ^2/NDF: 244801.1/20

All: 2218.227+/-0.332 χ^2/NDF: 456328.9/43

- sign 2209.725+/-0.462 χ^2/NDF: 210822.7/22


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 8338.504+/-4894.306 χ²/NDF:5.6/4
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -2597.487+/-4526.543 χ²/NDF:1.2/4
+ sign 975.209+/-2683.325 χ²/NDF: 23.3/20
All: 164.984+/-1851.373 χ²/NDF: 41.3/43
- sign -571.133+/-2557.665 χ²/NDF: 17.8/22



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

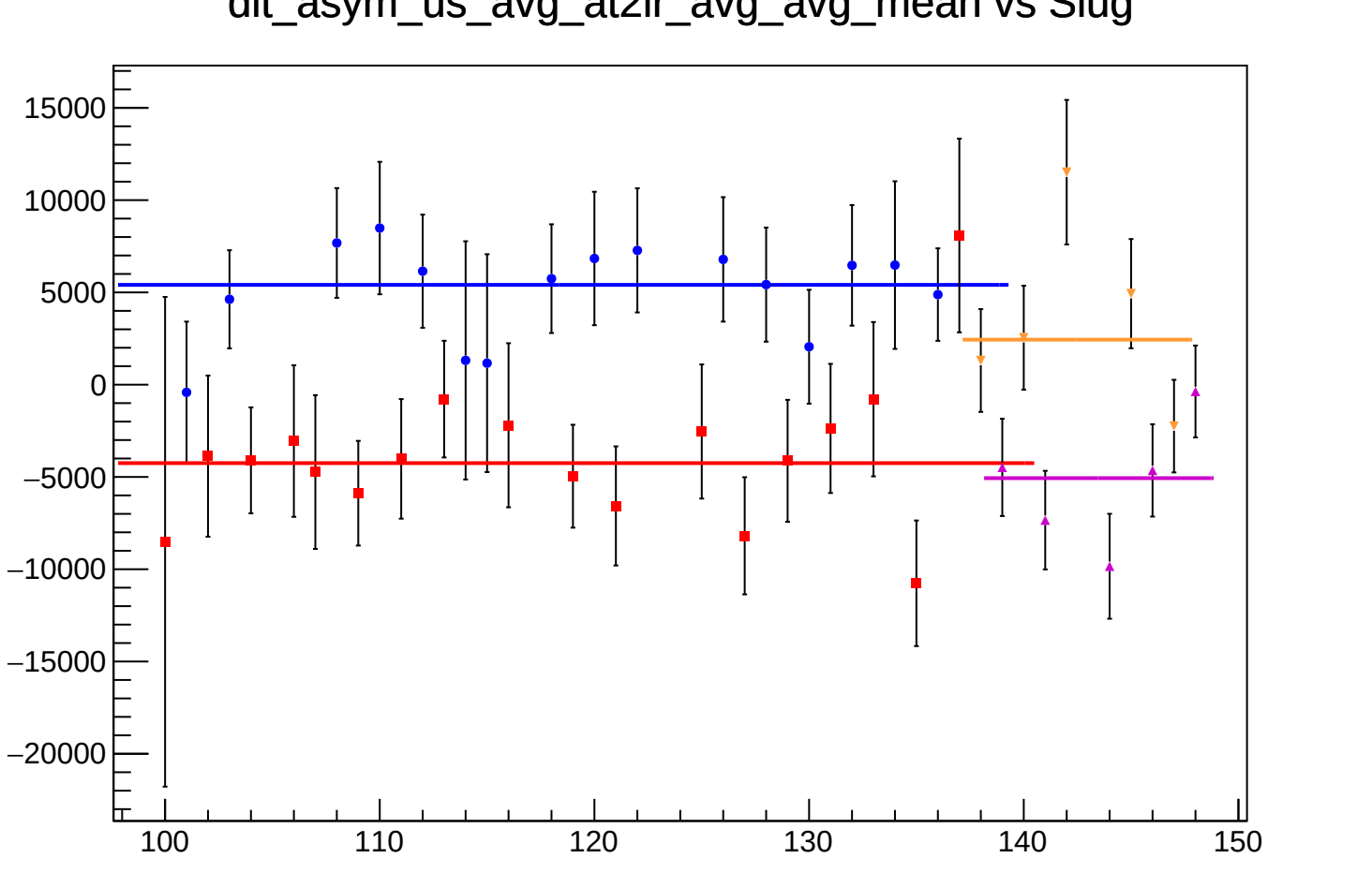
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

+ sign 8729.163+/-1.897 χ^2/NDF: 559394.9/20

All: 8638.185+/-1.309 χ^2/NDF: 1306157.3/43

- sign 8555.529+/-1.809 χ^2/NDF: 742374.6/22



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

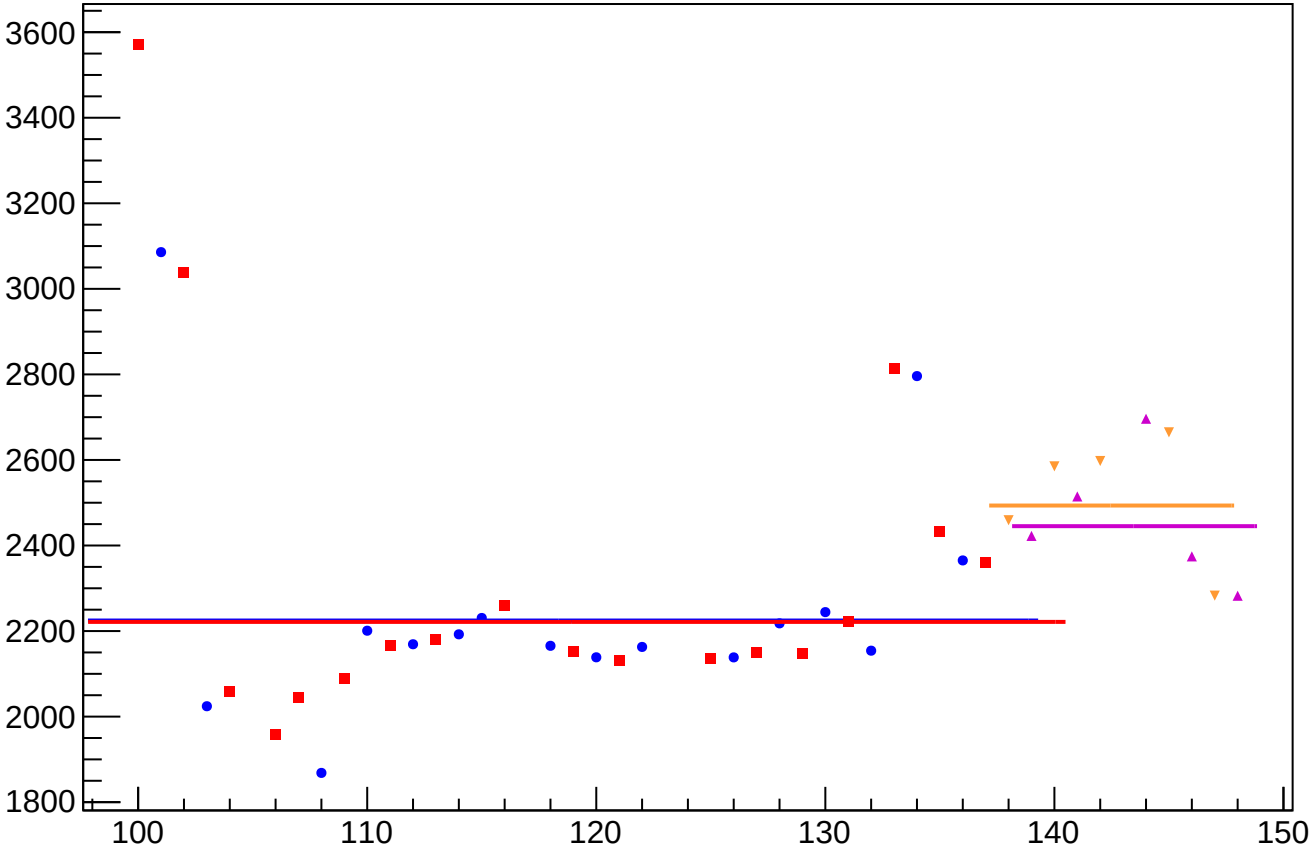
Left In: -5064.798+/-1171.332 χ^2/NDF:7.2/4

+ sign 4541.215+/-701.532 χ^2/NDF: 20.2/20

All: -118.839+/-489.102 χ^2/NDF: 128.0/43

- sign -4526.365+/-682.259 χ^2/NDF: 22.0/22

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

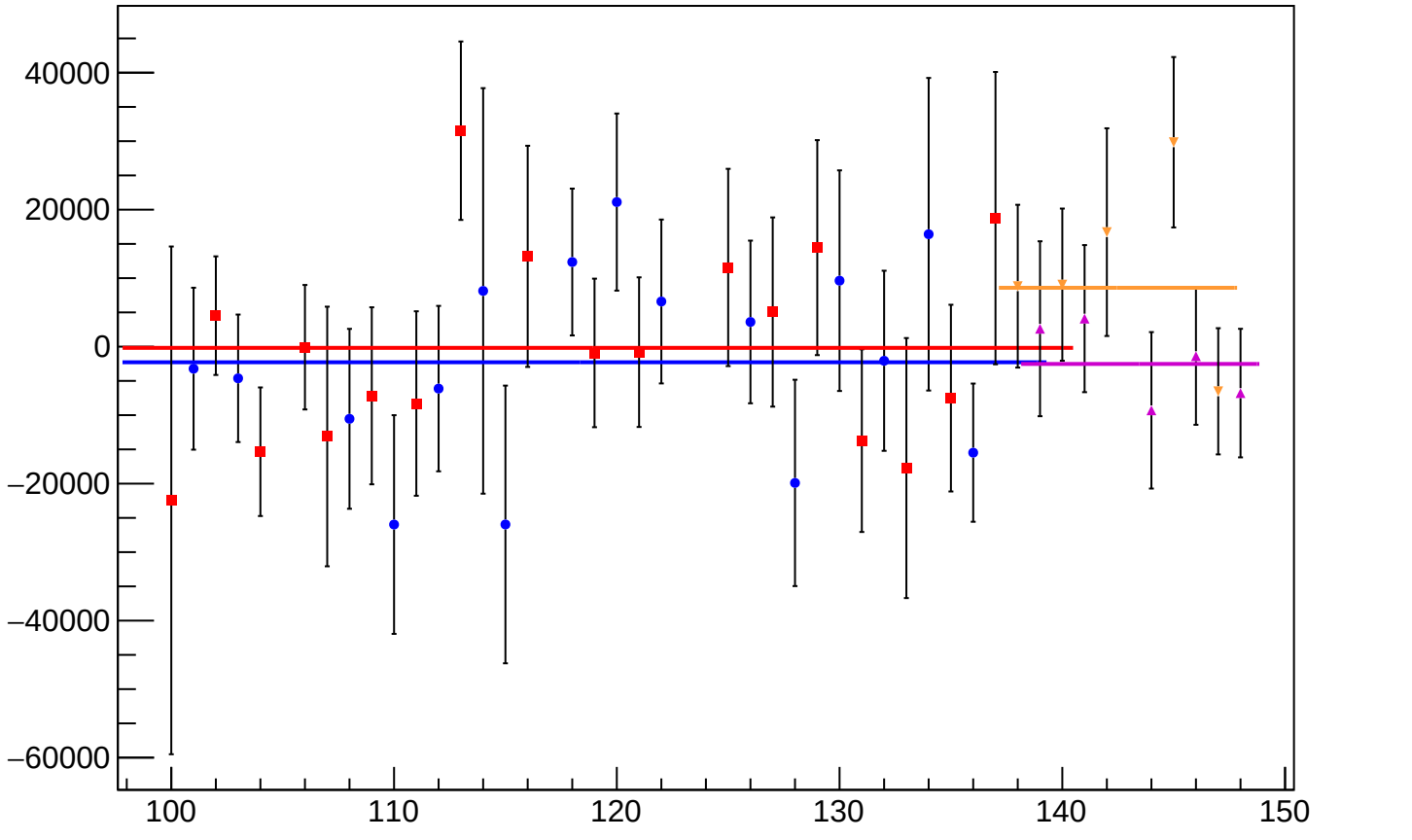
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.207+/-0.828 χ^2/NDF:27249.2/4

+ sign 2303.090+/-0.496 χ^2/NDF: 269994.0/20

All: 2300.105+/-0.346 χ^2/NDF: 515511.2/43

- sign 2297.285+/-0.482 χ^2/NDF: 245446.8/22



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 8594.801+/-5144.696 χ^2/NDF:5.9/4

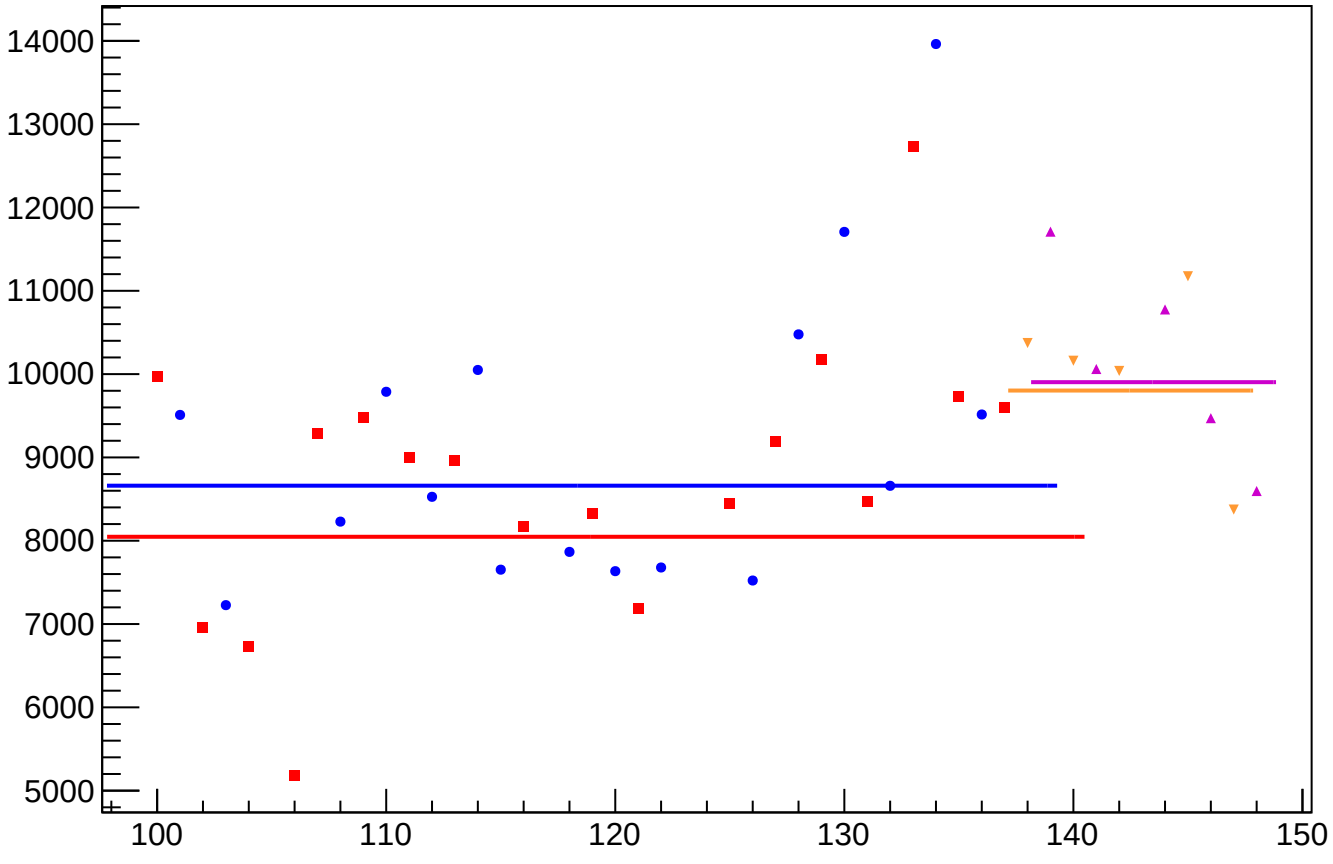
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -2525.481+/-4778.300 χ^2/NDF:1.1/4

+ sign 852.685+/-2760.771 χ^2/NDF: 23.6/20

All: -63.311+/-1877.997 χ^2/NDF: 40.7/43

- sign -852.227+/-2562.118 χ^2/NDF: 16.9/22



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9802.873+/-3.638 χ^2/NDF:79576.3/4

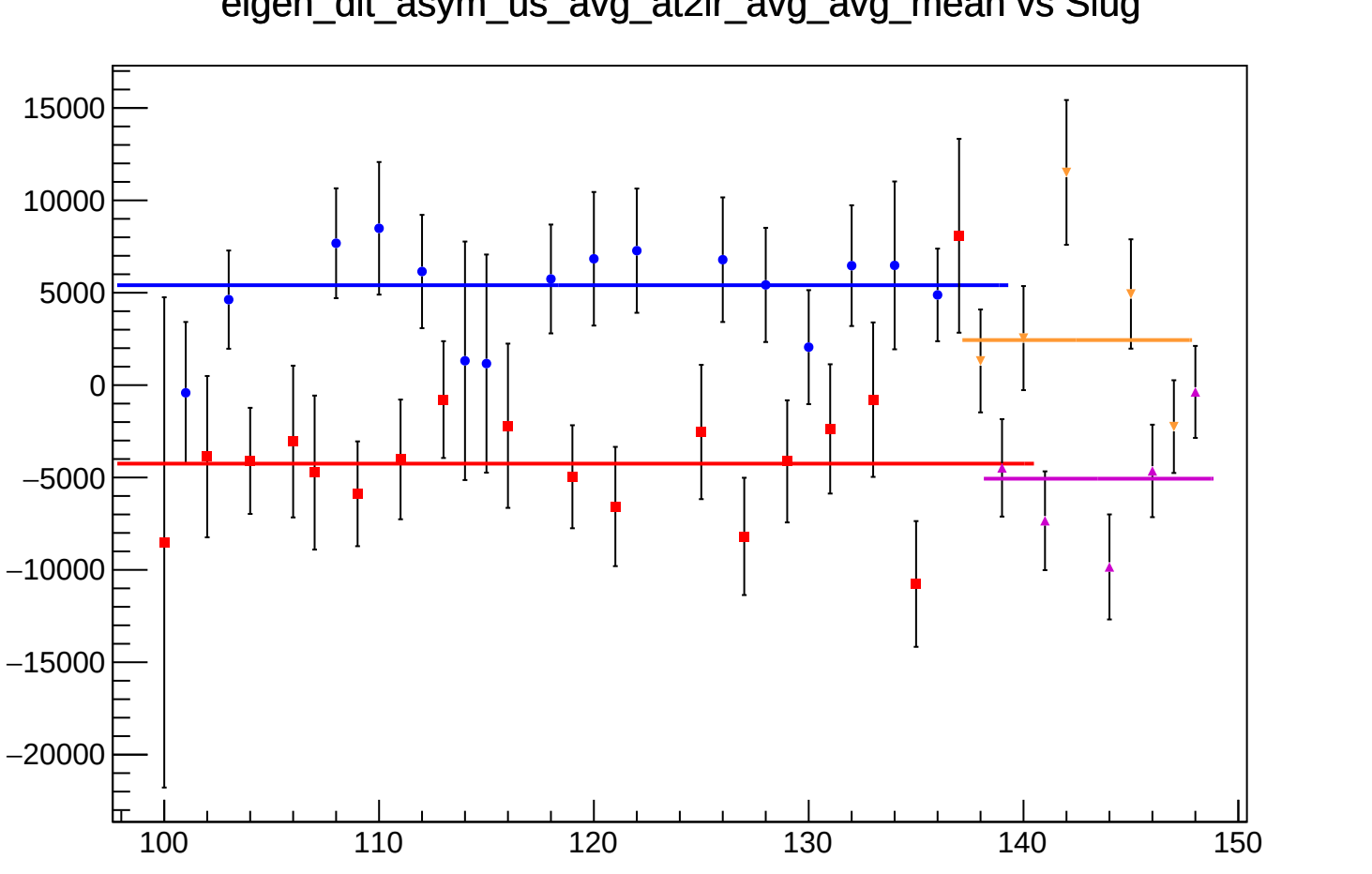
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9903.419+/-3.379 χ^2/NDF:94637.0/4

+ sign 8989.630+/-1.952 χ^2/NDF: 507724.2/20

All: 8770.121+/-1.328 χ^2/NDF: 1399434.7/43

- sign 8581.065+/-1.812 χ^2/NDF: 868177.1/22



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

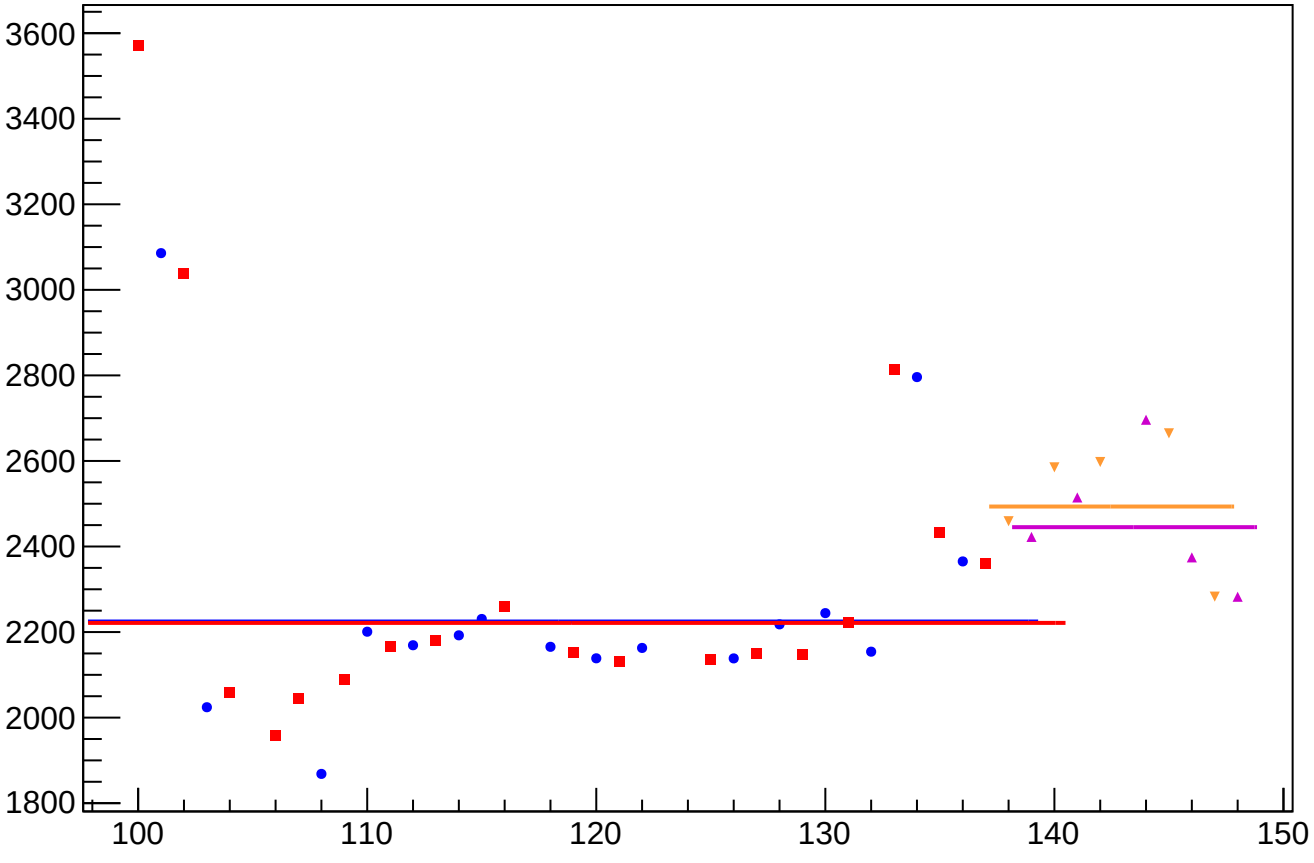
Left In: -5064.790+/-1171.333 χ^2/NDF:7.2/4

+ sign 4541.222+/-701.532 χ^2/NDF: 20.2/20

All: -118.835+/-489.102 χ^2/NDF: 128.0/43

- sign -4526.365+/-682.259 χ^2/NDF: 22.0/22

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

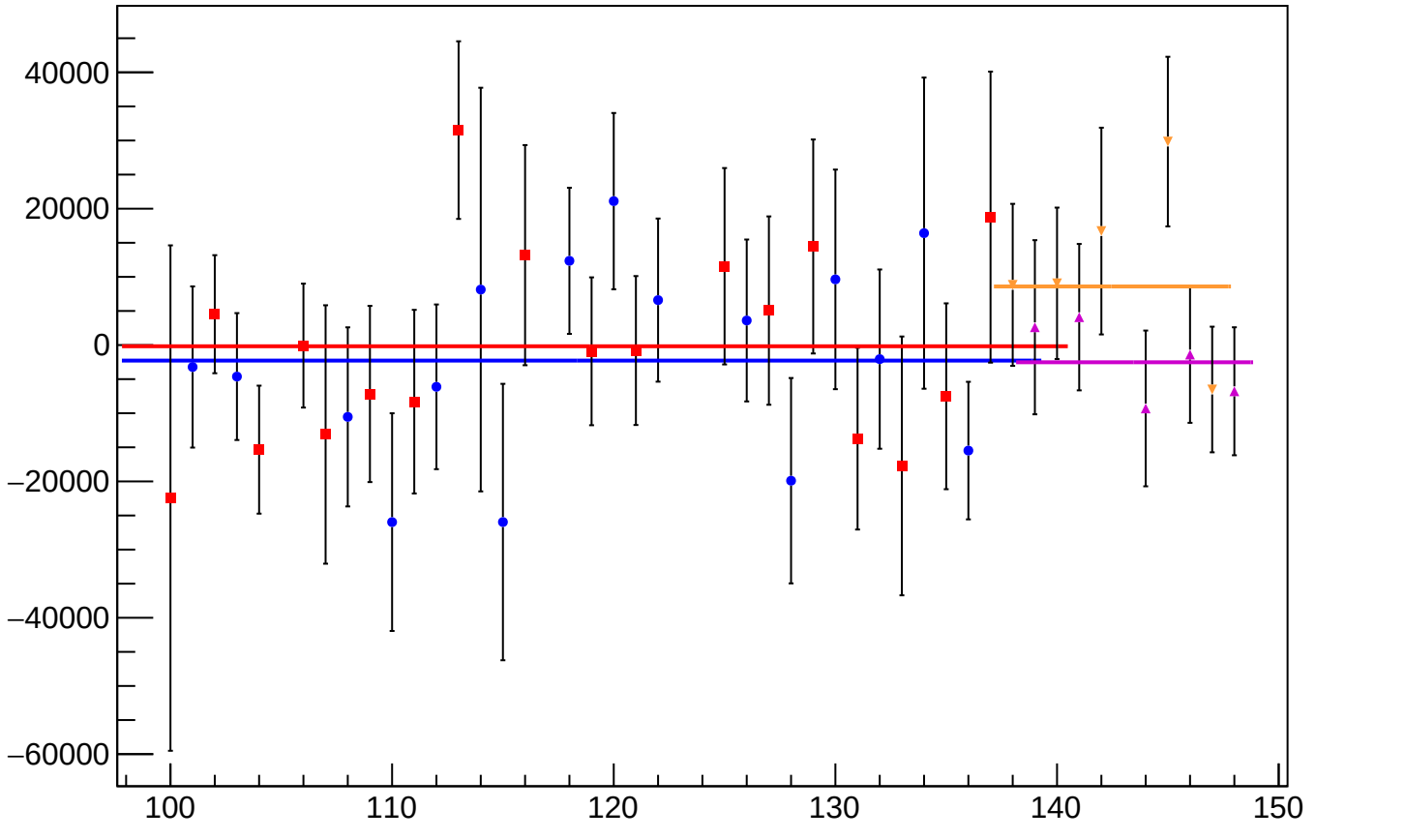
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.210+/-0.828 χ^2/NDF:27249.4/4

+ sign 2303.091+/-0.496 χ^2/NDF: 269996.2/20

All: 2300.106+/-0.346 χ^2/NDF: 515515.2/43

- sign 2297.285+/-0.482 χ^2/NDF: 245448.6/22



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 8594.808+/-5144.704 χ^2/NDF:5.9/4

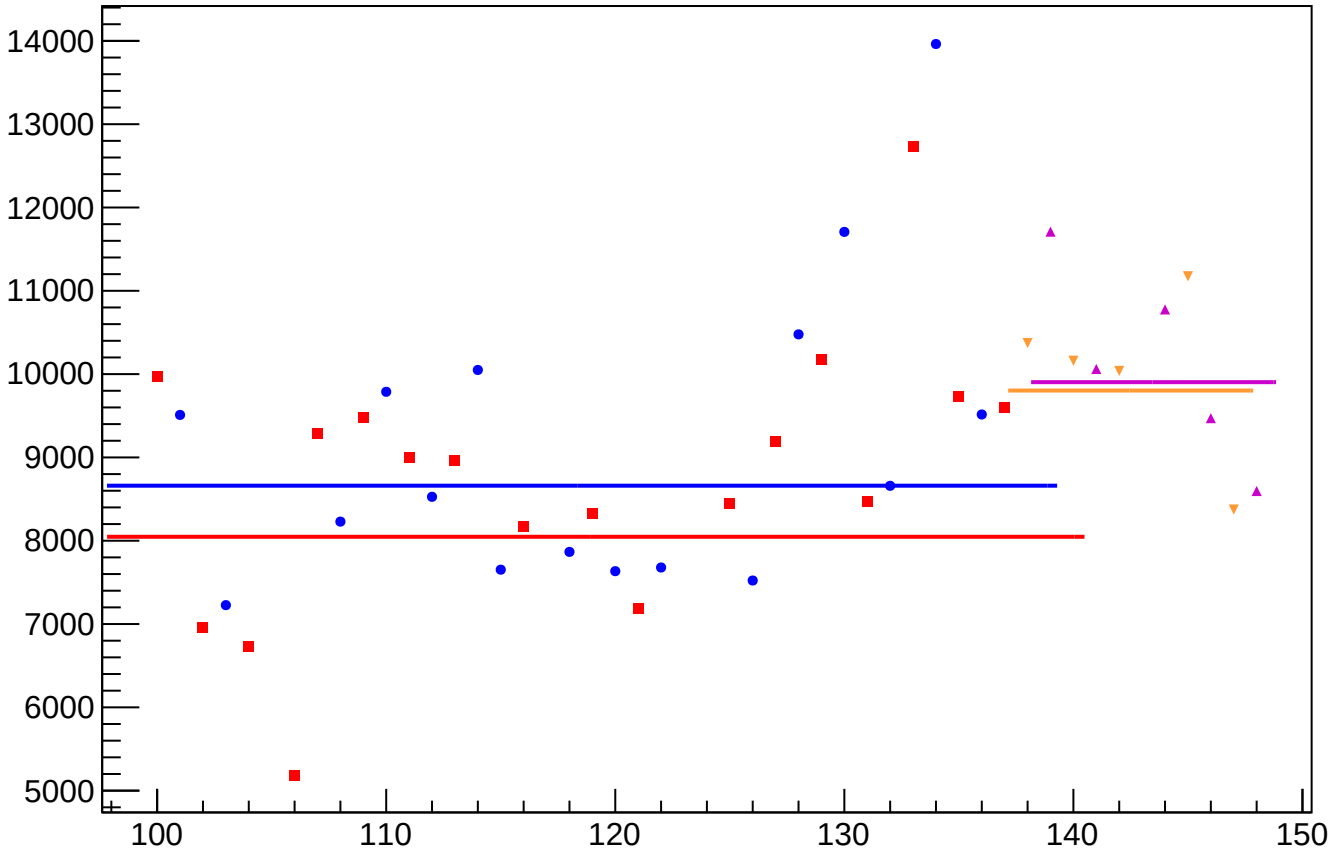
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2525.474+/-4778.307 χ^2/NDF:1.1/4

+ sign 852.685+/-2760.768 χ^2/NDF: 23.6/20

All: -63.309+/-1877.995 χ^2/NDF: 40.7/43

- sign -852.225+/-2562.115 χ^2/NDF: 16.9/22



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

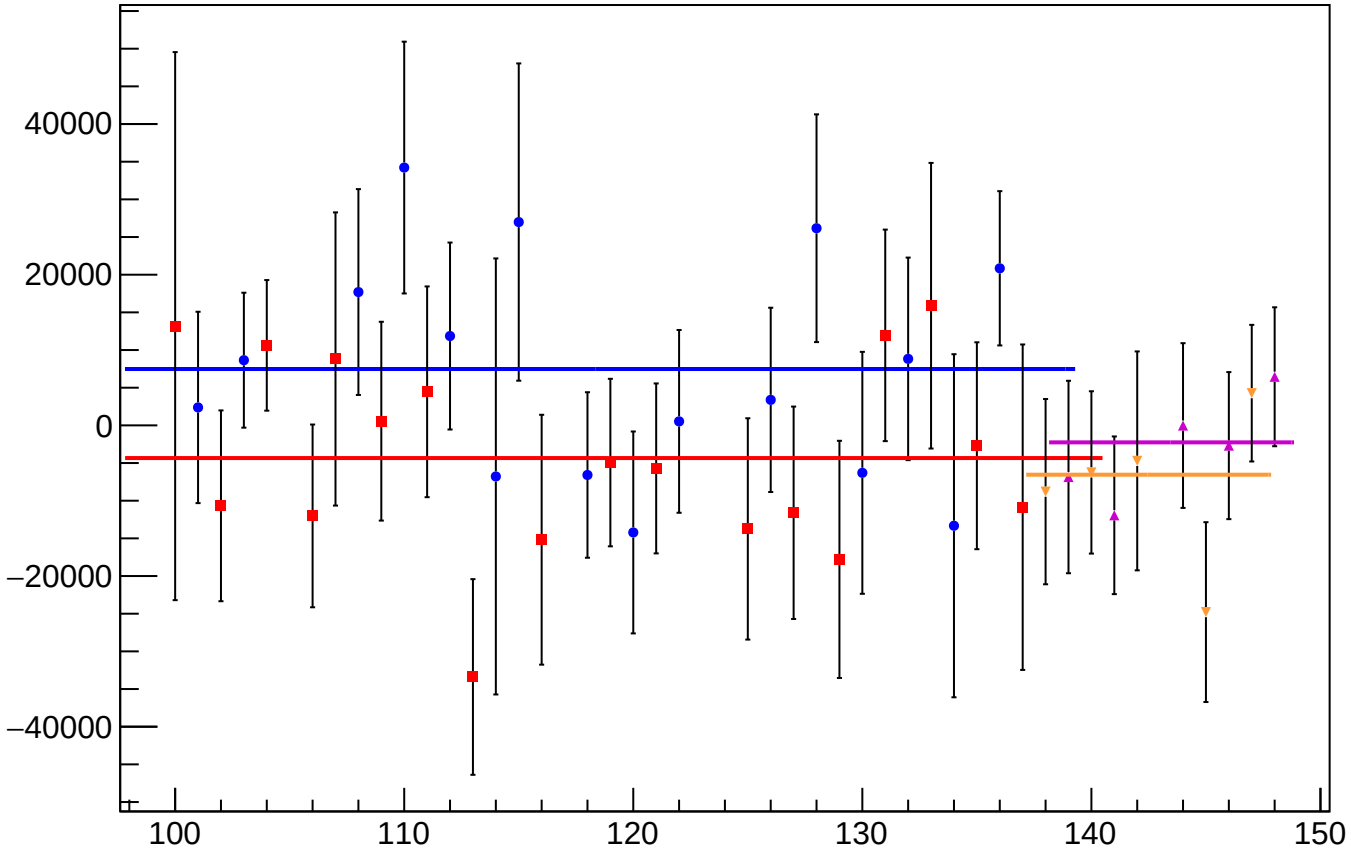
Left In: 9903.433+/-3.379 χ^2/NDF:94637.8/4

+ sign 8989.618+/-1.952 χ^2/NDF: 507731.7/20

All: 8770.109+/-1.328 χ^2/NDF: 1399448.5/43

- sign 8581.054+/-1.812 χ^2/NDF: 868183.6/22

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

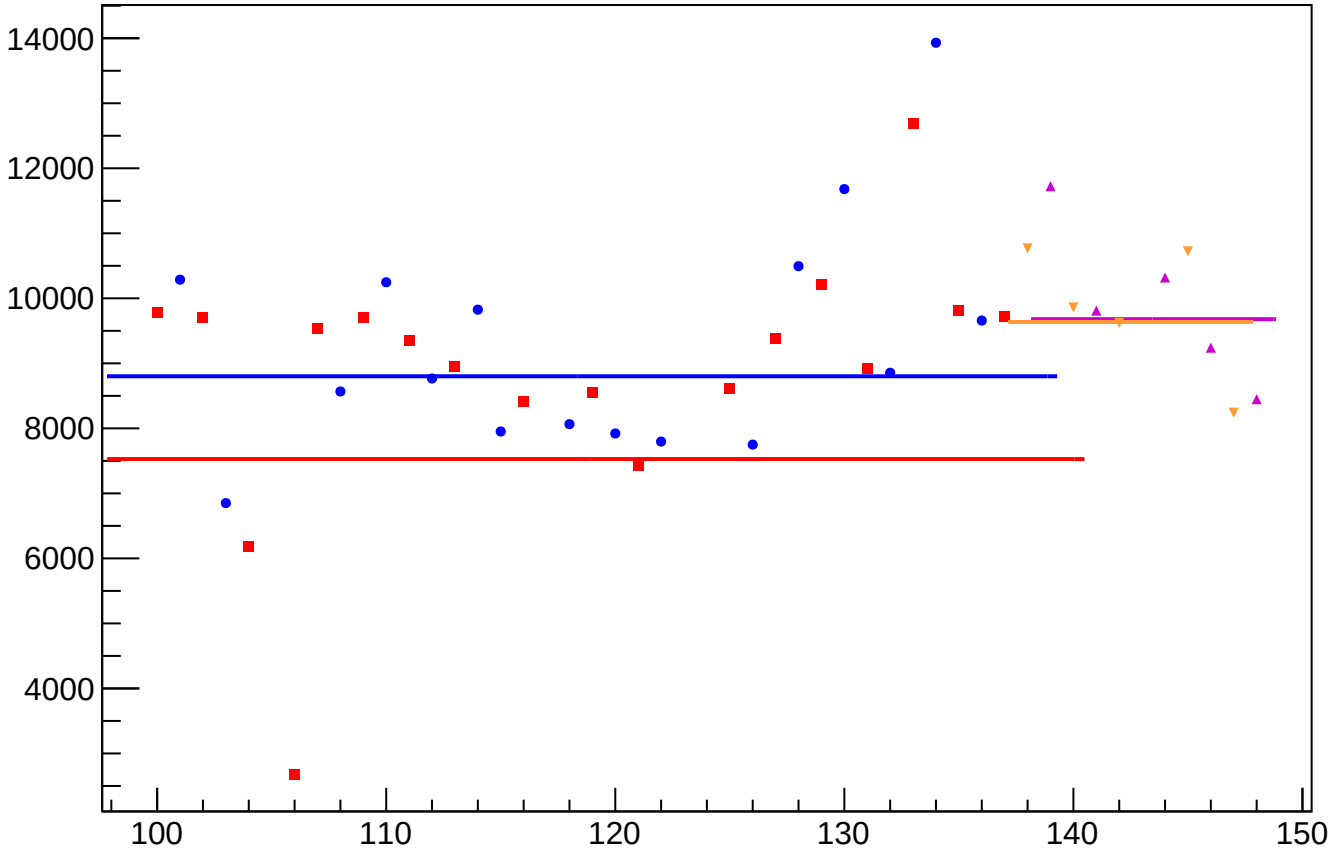
Left In: -2256.707+/-4668.695 χ^2/NDF:1.9/4

+ sign 3233.124+/-2781.222 χ^2/NDF: 23.2/20

All: -363.143+/-1923.562 χ^2/NDF: 42.8/43

- sign -3660.827+/-2663.265 χ^2/NDF: 16.4/22

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

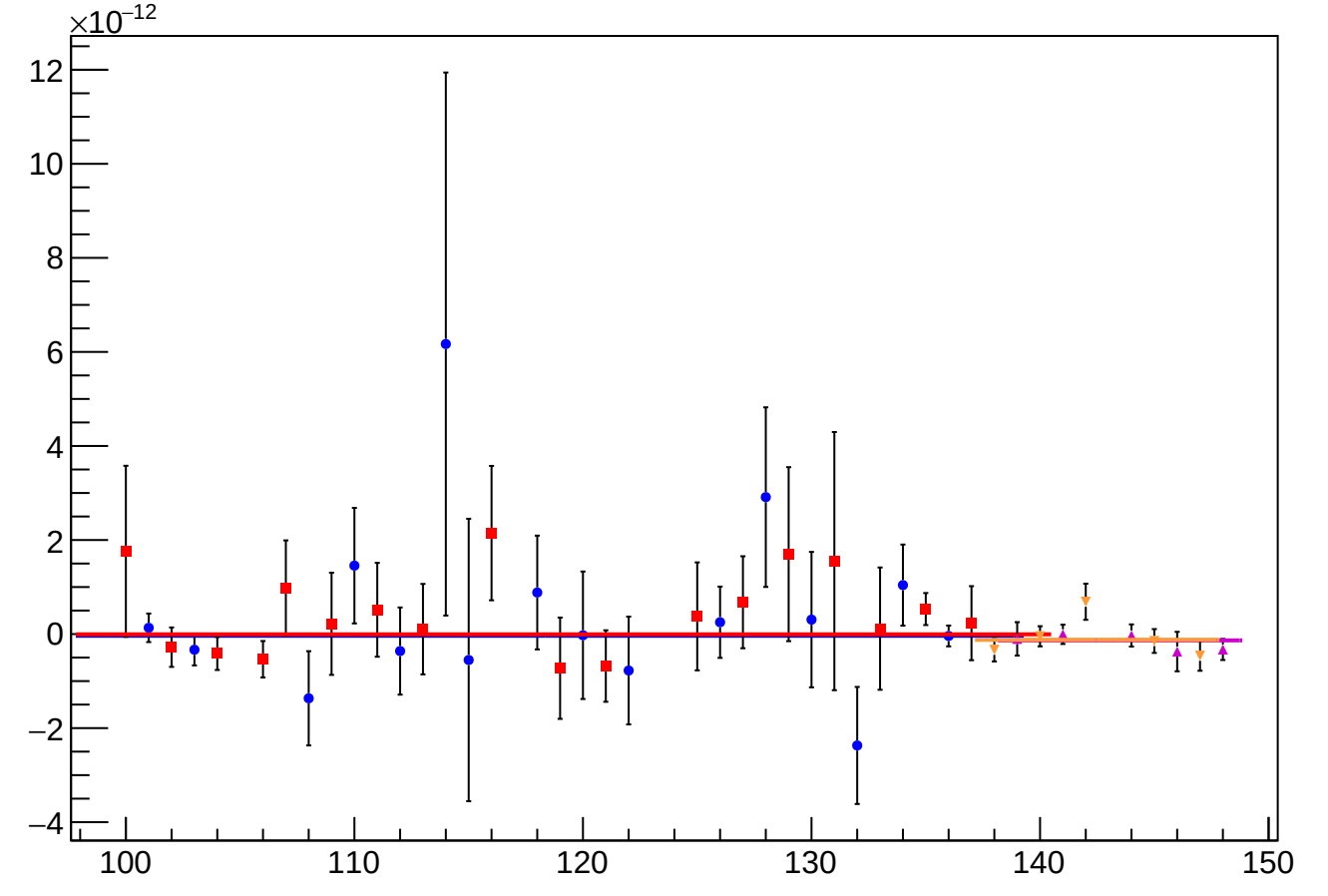
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9679.796+/-3.301 χ^2/NDF:98151.9/4

+ sign 9054.032+/-1.967 χ^2/NDF: 514387.2/20

All: 8564.583+/-1.323 χ^2/NDF: 2683198.2/43

- sign 8159.637+/-1.789 χ^2/NDF: 2055622.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

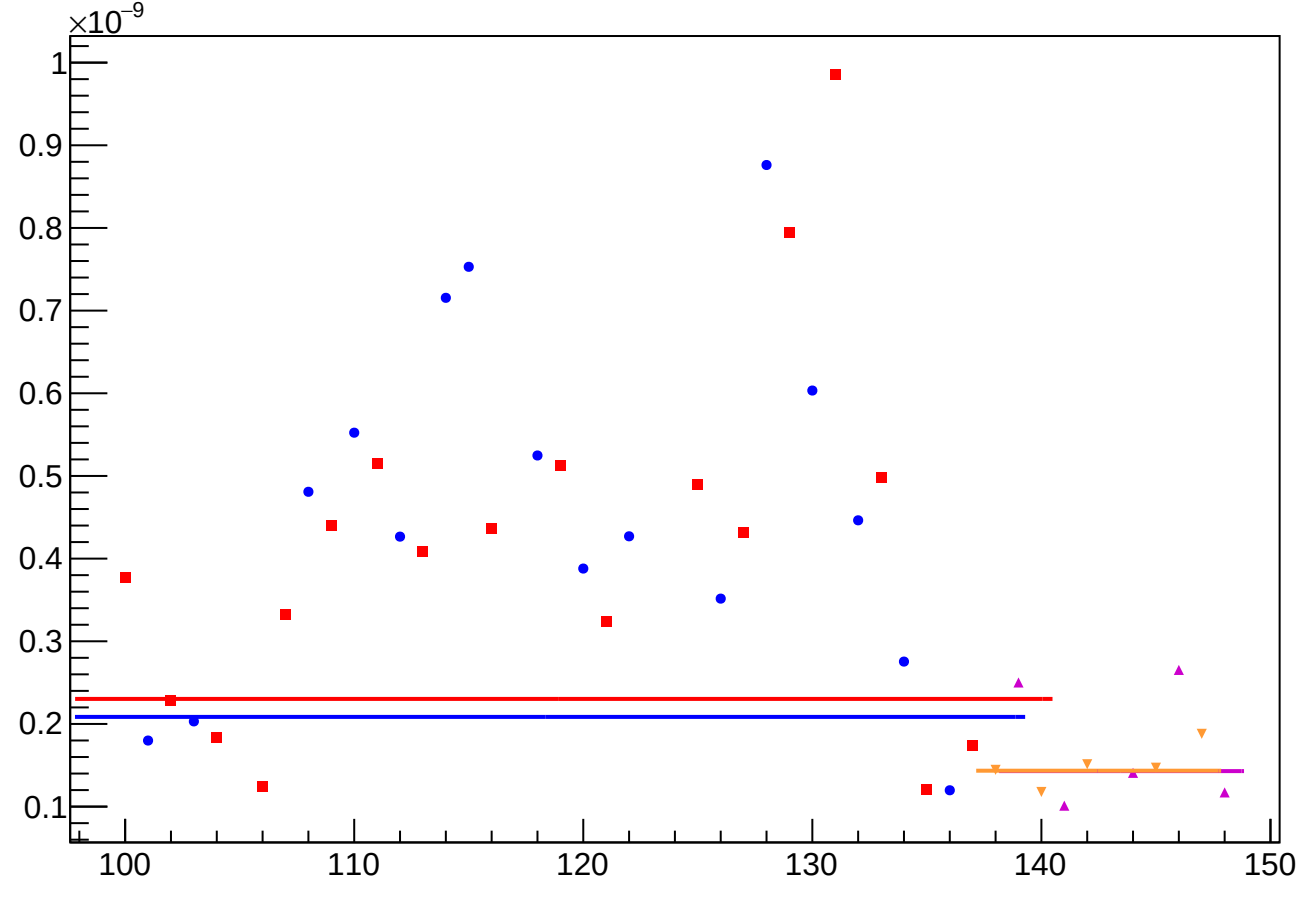
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/20

All: -0.000+/-0.000 χ^2/NDF: 36.7/43

- sign -0.000+/-0.000 χ^2/NDF: 15.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:69024.8/4

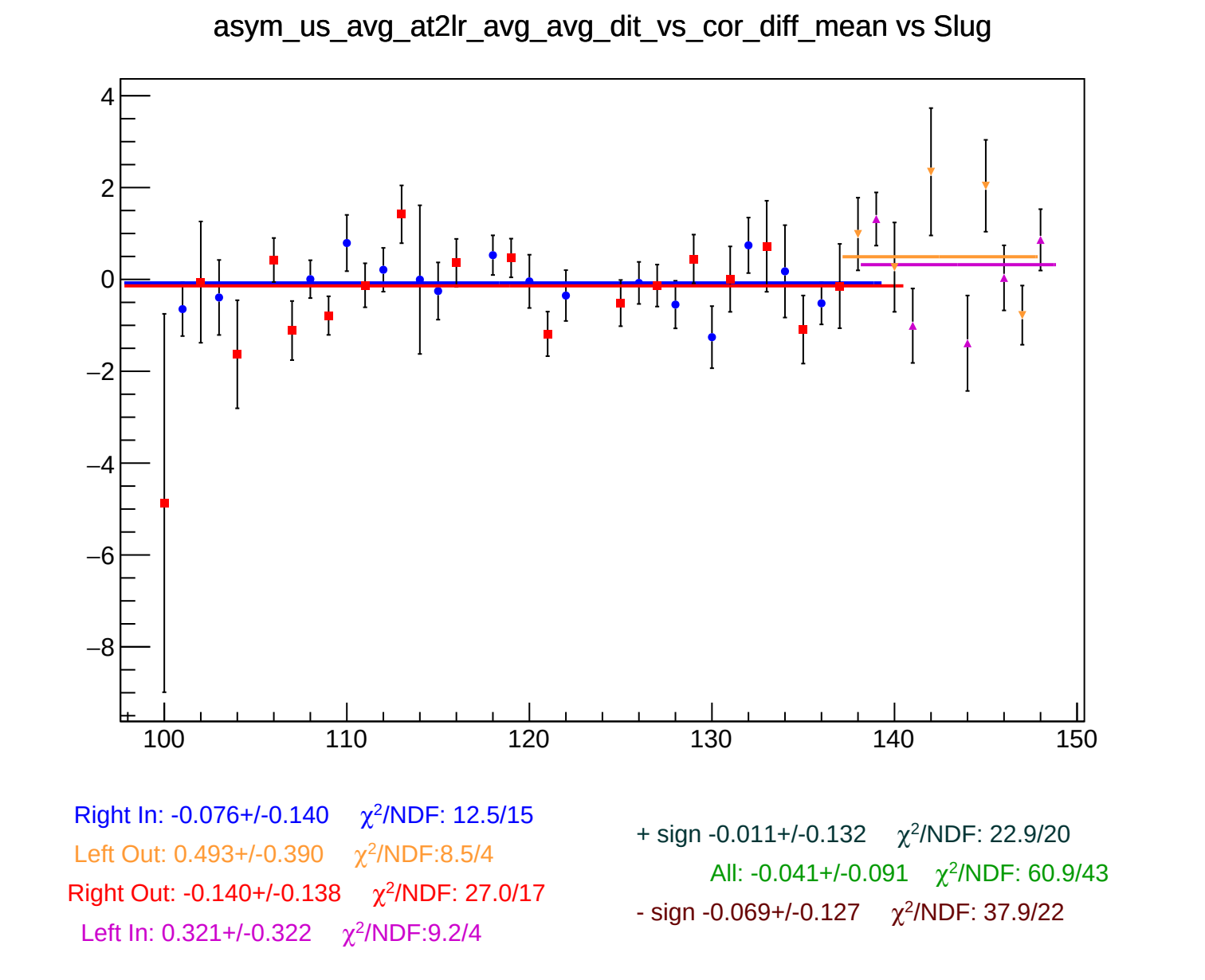
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

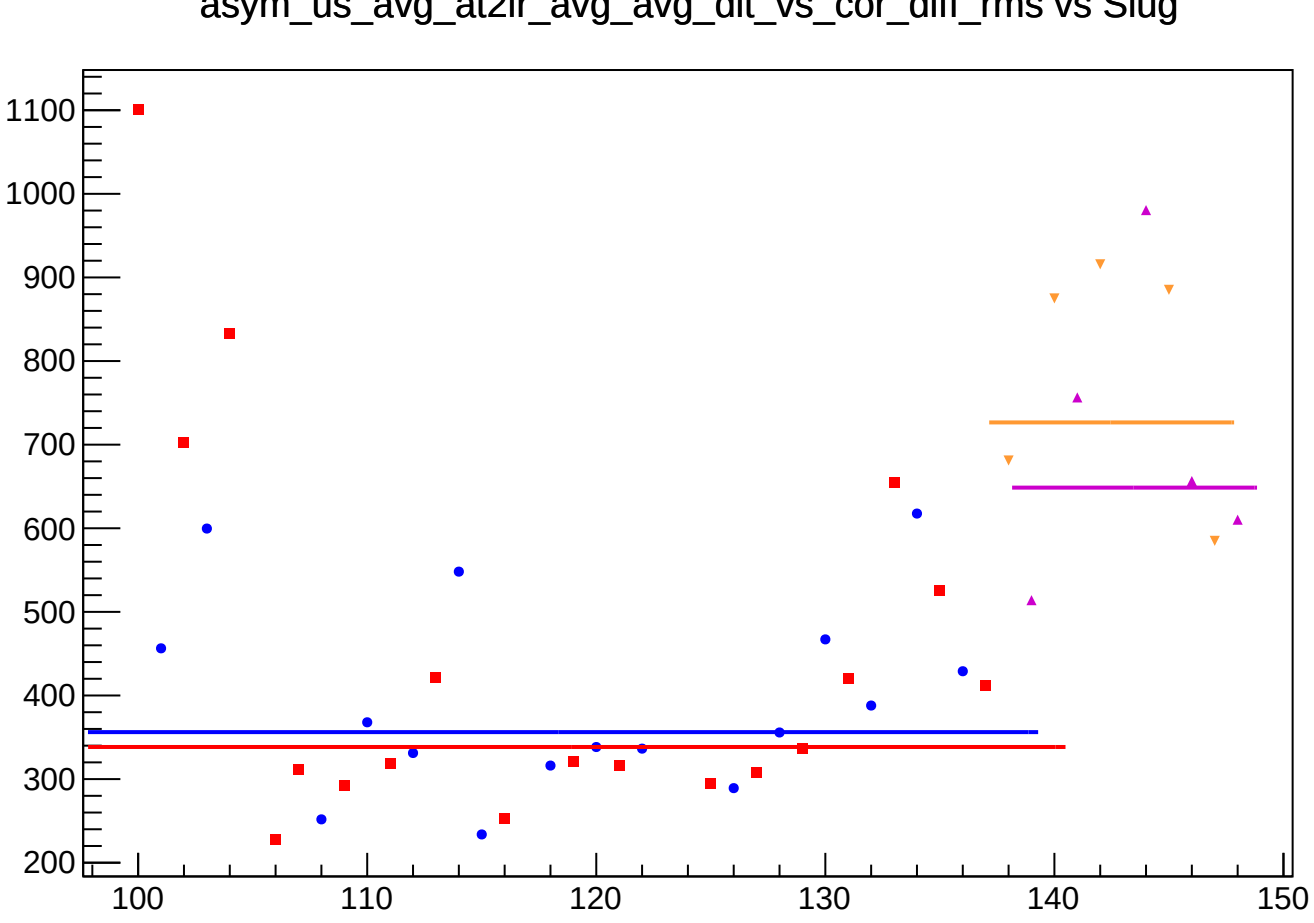
Left In: 0.000+/-0.000 χ^2/NDF:462159.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 1948069.7/20

All: 0.000+/-0.000 χ^2/NDF: 4376765.7/43

- sign 0.000+/-0.000 χ^2/NDF: 2427476.9/22


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.493+/-0.390 χ²/NDF:8.5/4
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.321+/-0.322 χ²/NDF:9.2/4
+ sign -0.011+/-0.132 χ²/NDF: 22.9/20
All: -0.041+/-0.091 χ²/NDF: 60.9/43
- sign -0.069+/-0.127 χ²/NDF: 37.9/22



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 726.595+/-0.276 χ^2/NDF:237234.1/4

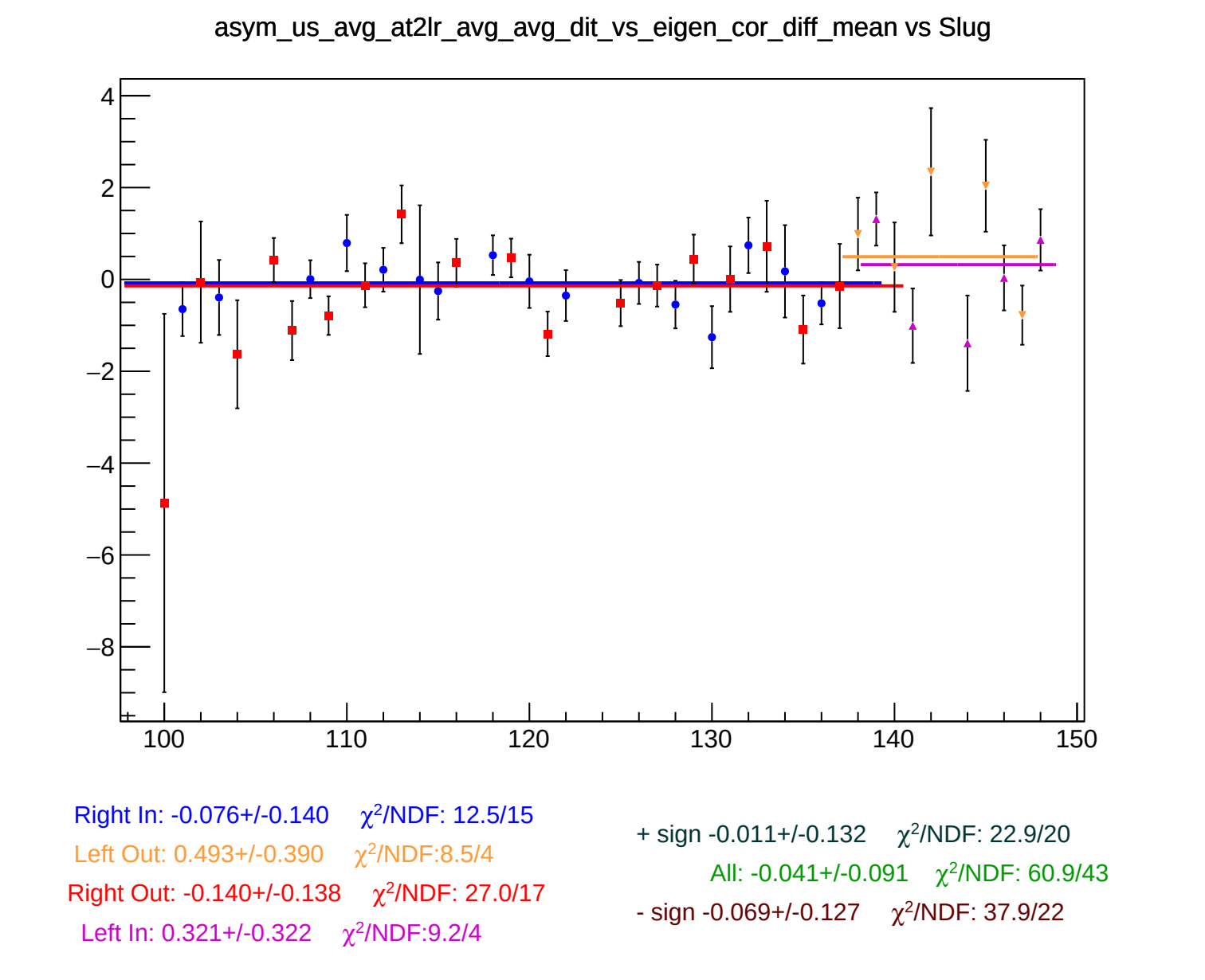
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 648.617+/-0.228 χ^2/NDF:354404.9/4

+ sign 398.461+/-0.093 χ^2/NDF: 2622319.6/20

All: 392.305+/-0.065 χ^2/NDF: 5758863.3/43

- sign 386.596+/-0.090 χ^2/NDF: 3128117.9/22


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
4
2
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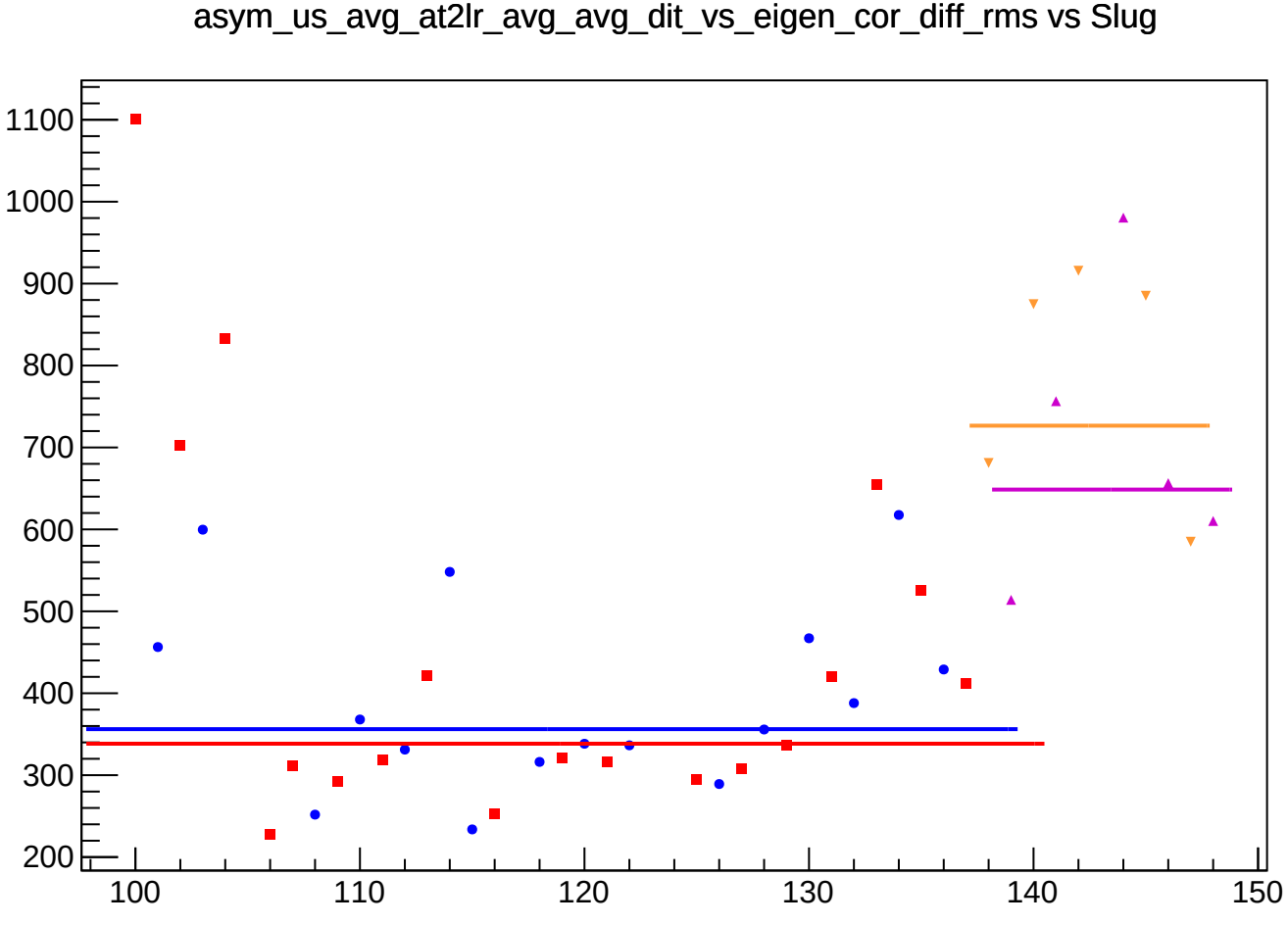
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.493+/-0.390 χ²/NDF:8.5/4
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.321+/-0.322 χ²/NDF:9.2/4
+ sign -0.011+/-0.132 χ²/NDF: 22.9/20
All: -0.041+/-0.091 χ²/NDF: 60.9/43
- sign -0.069+/-0.127 χ²/NDF: 37.9/22



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 726.595+/-0.276 χ^2/NDF:237234.1/4

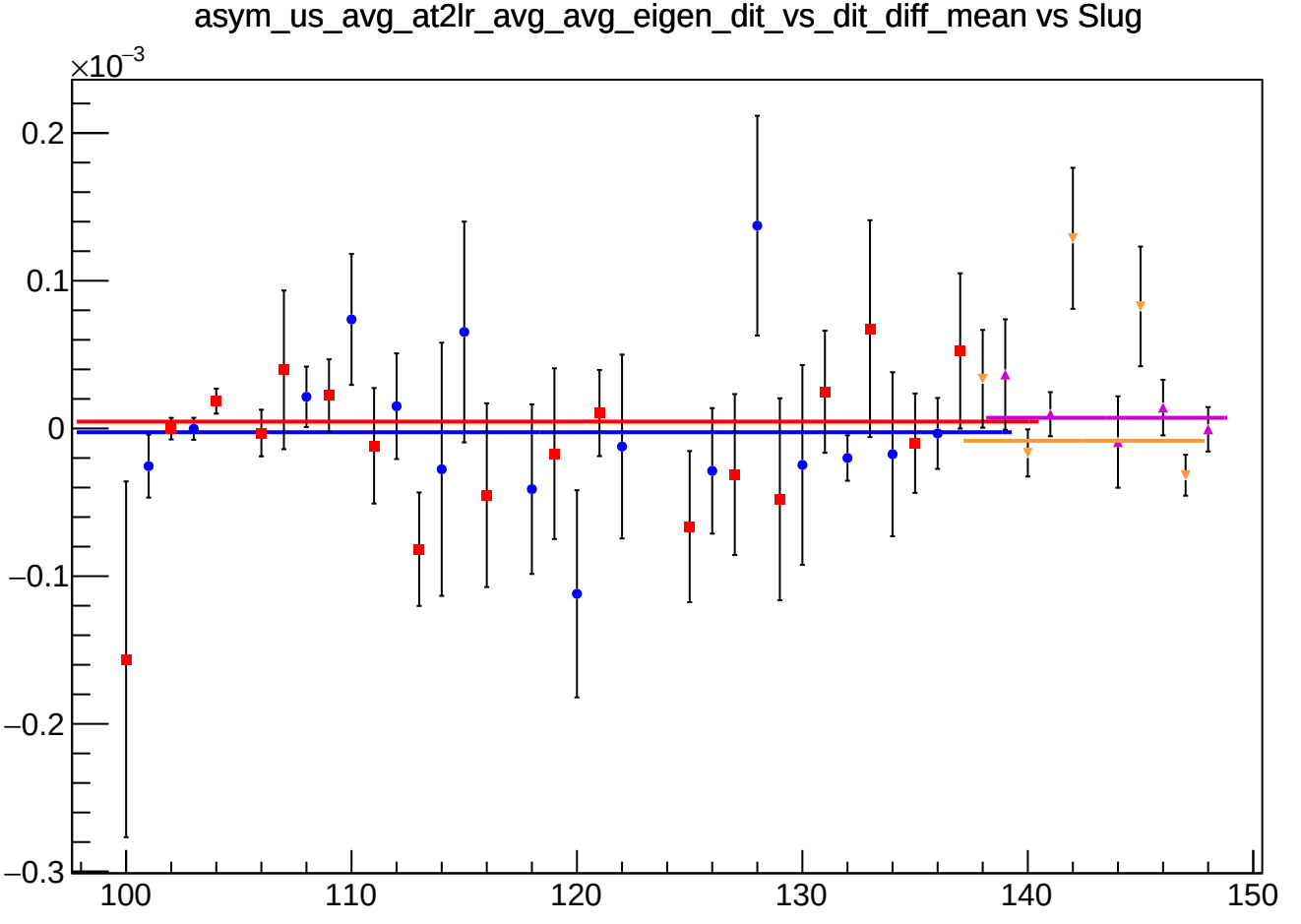
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 648.617+/-0.228 χ^2/NDF:354404.9/4

+ sign 398.461+/-0.093 χ^2/NDF: 2622319.6/20

All: 392.305+/-0.065 χ^2/NDF: 5758863.3/43

- sign 386.596+/-0.090 χ^2/NDF: 3128117.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/4

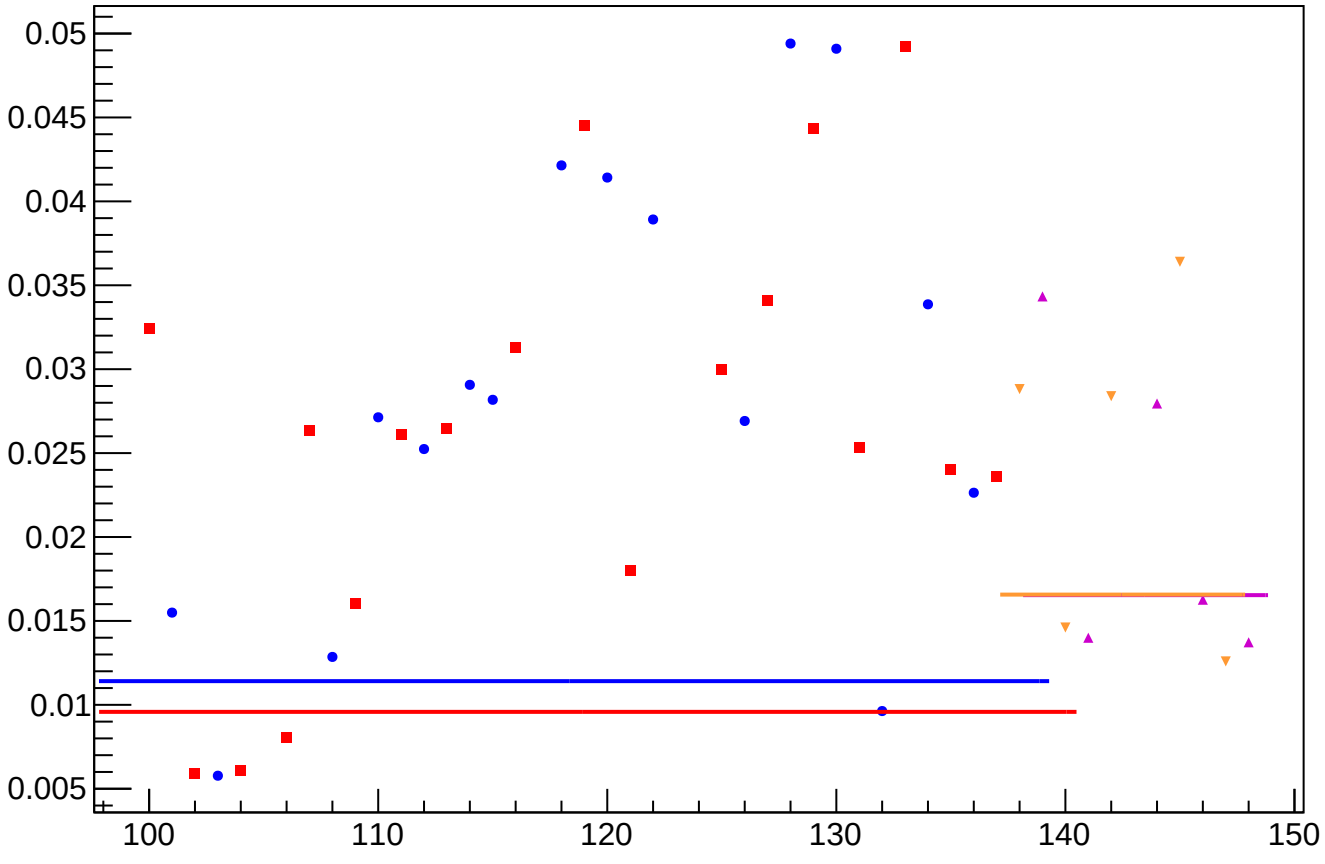
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/20

All: 0.000+/-0.000 χ^2/NDF: 53.9/43

- sign 0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:1071763.5/4

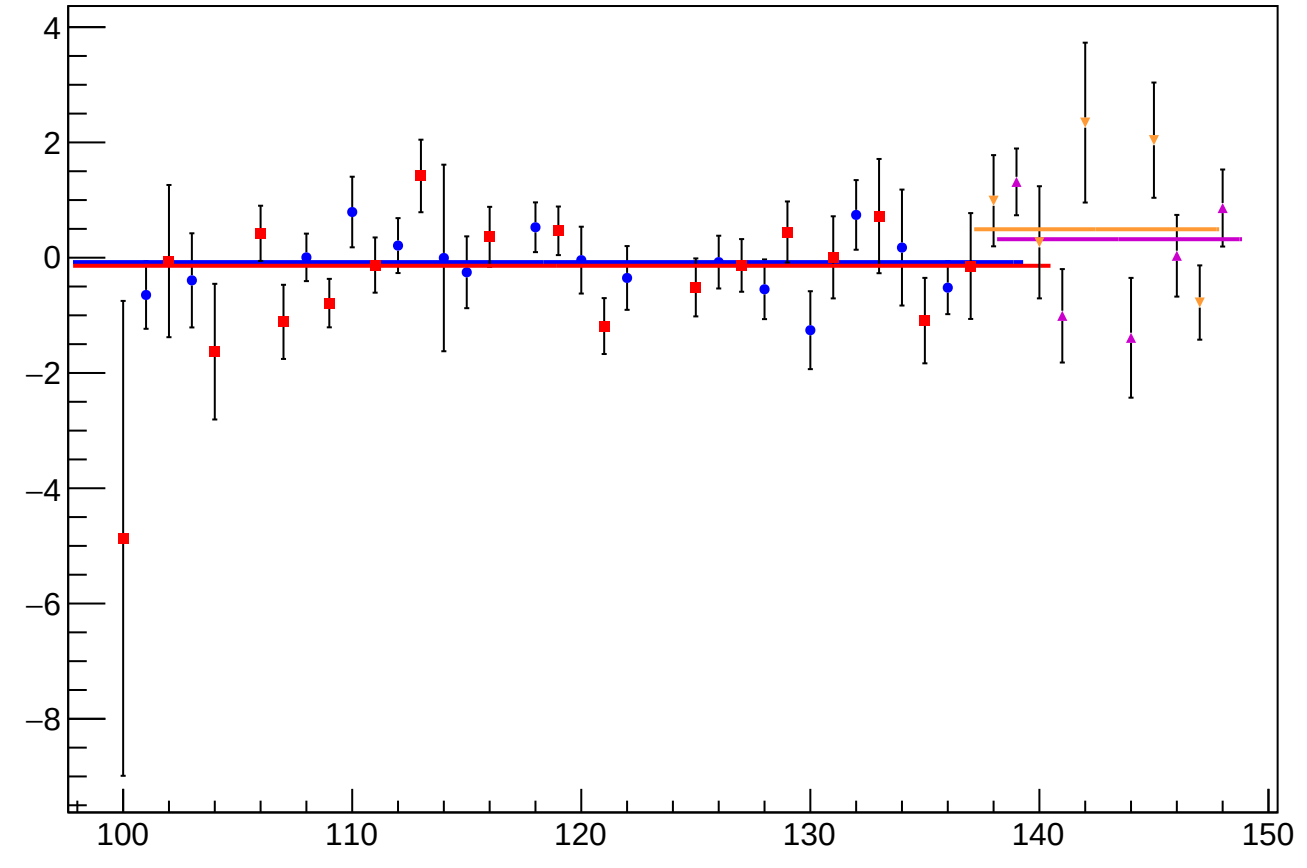
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.017+/-0.000 χ^2/NDF:854467.2/4

+ sign 0.013+/-0.000 χ^2/NDF: 7011843.7/20

All: 0.012+/-0.000 χ^2/NDF: 14776710.2/43

- sign 0.011+/-0.000 χ^2/NDF: 7647122.8/22



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

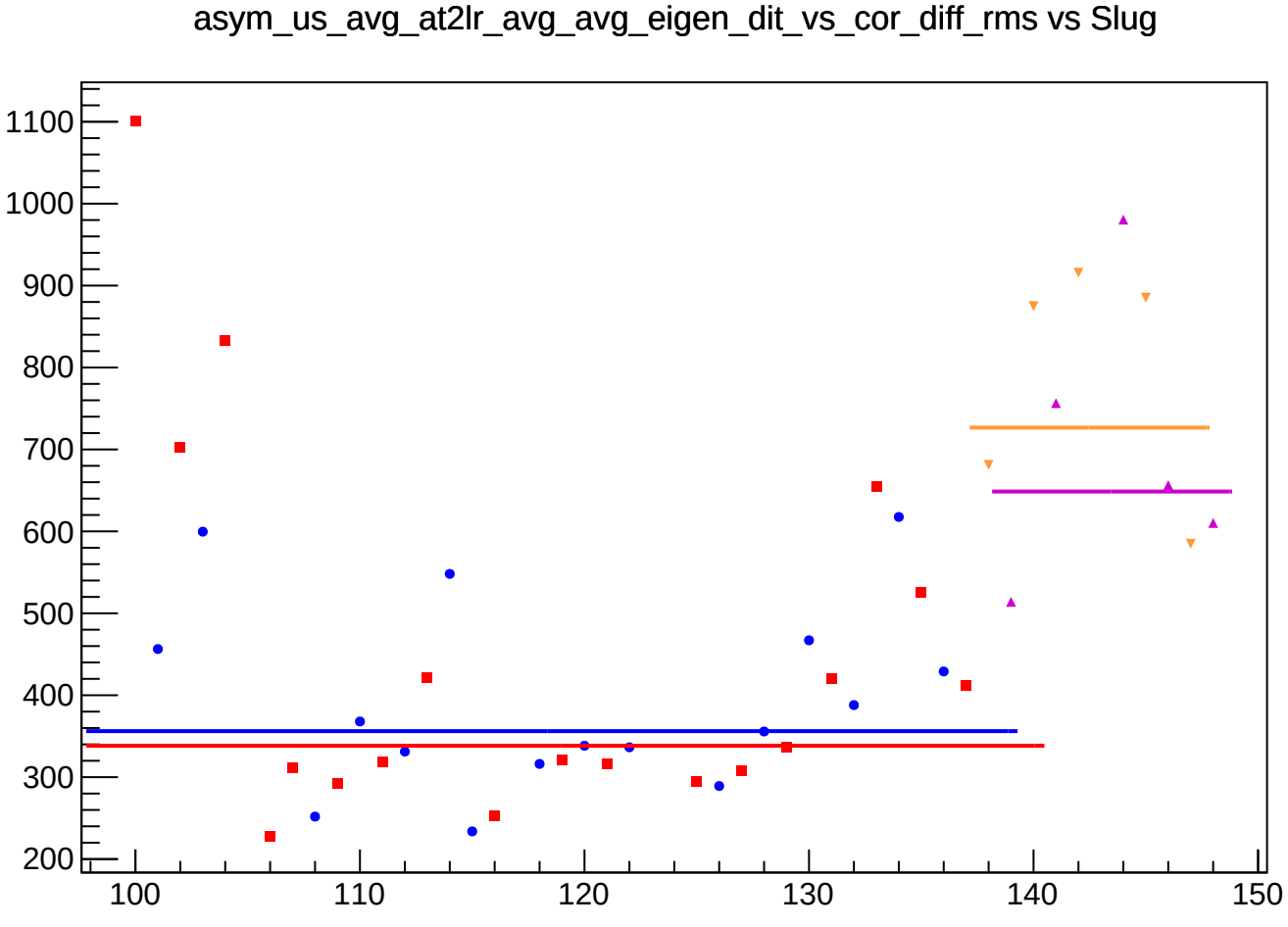
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.041+/-0.091 χ^2/NDF: 60.9/43

- sign -0.069+/-0.127 χ^2/NDF: 37.9/22



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 726.603+/-0.276 χ^2/NDF:237238.9/4

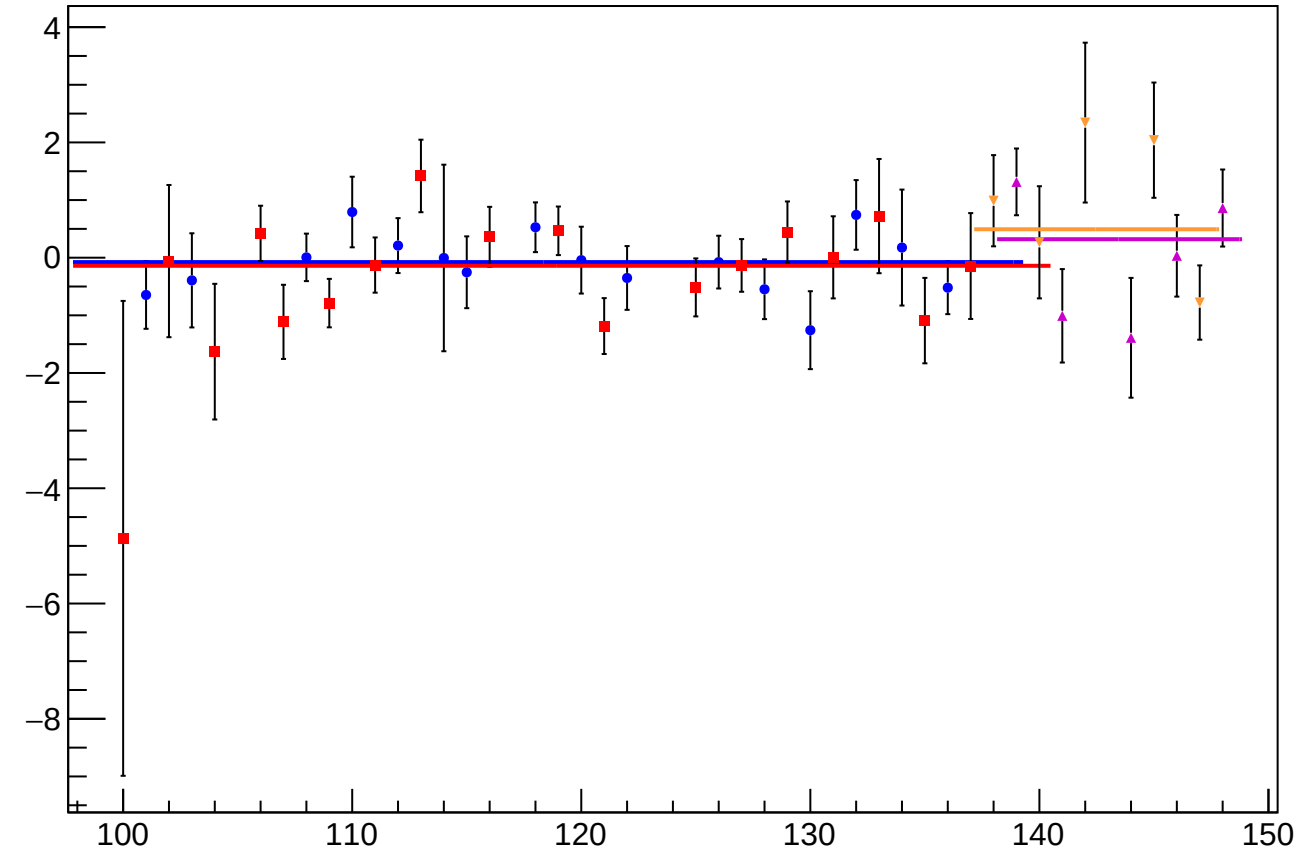
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 648.627+/-0.228 χ^2/NDF:354392.8/4

+ sign 398.460+/-0.093 χ^2/NDF: 2622341.6/20

All: 392.303+/-0.065 χ^2/NDF: 5758938.9/43

- sign 386.594+/-0.090 χ^2/NDF: 3128170.8/22



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.493+/-0.390 χ^2/NDF:8.5/4

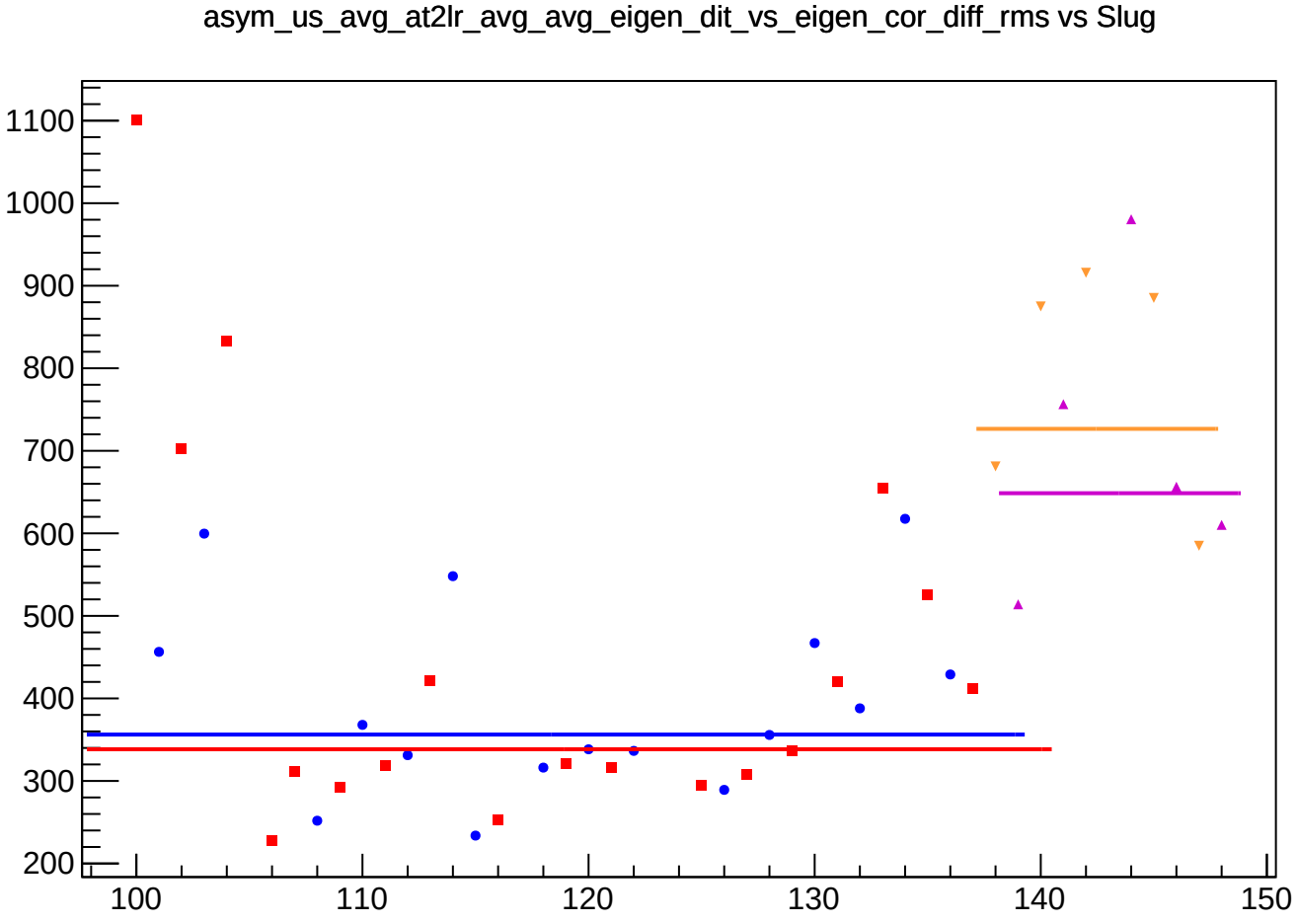
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

+ sign -0.011+/-0.132 χ^2/NDF: 22.9/20

All: -0.041+/-0.091 χ^2/NDF: 60.9/43

- sign -0.069+/-0.127 χ^2/NDF: 37.9/22



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 726.603+/-0.276 χ^2/NDF:237238.9/4

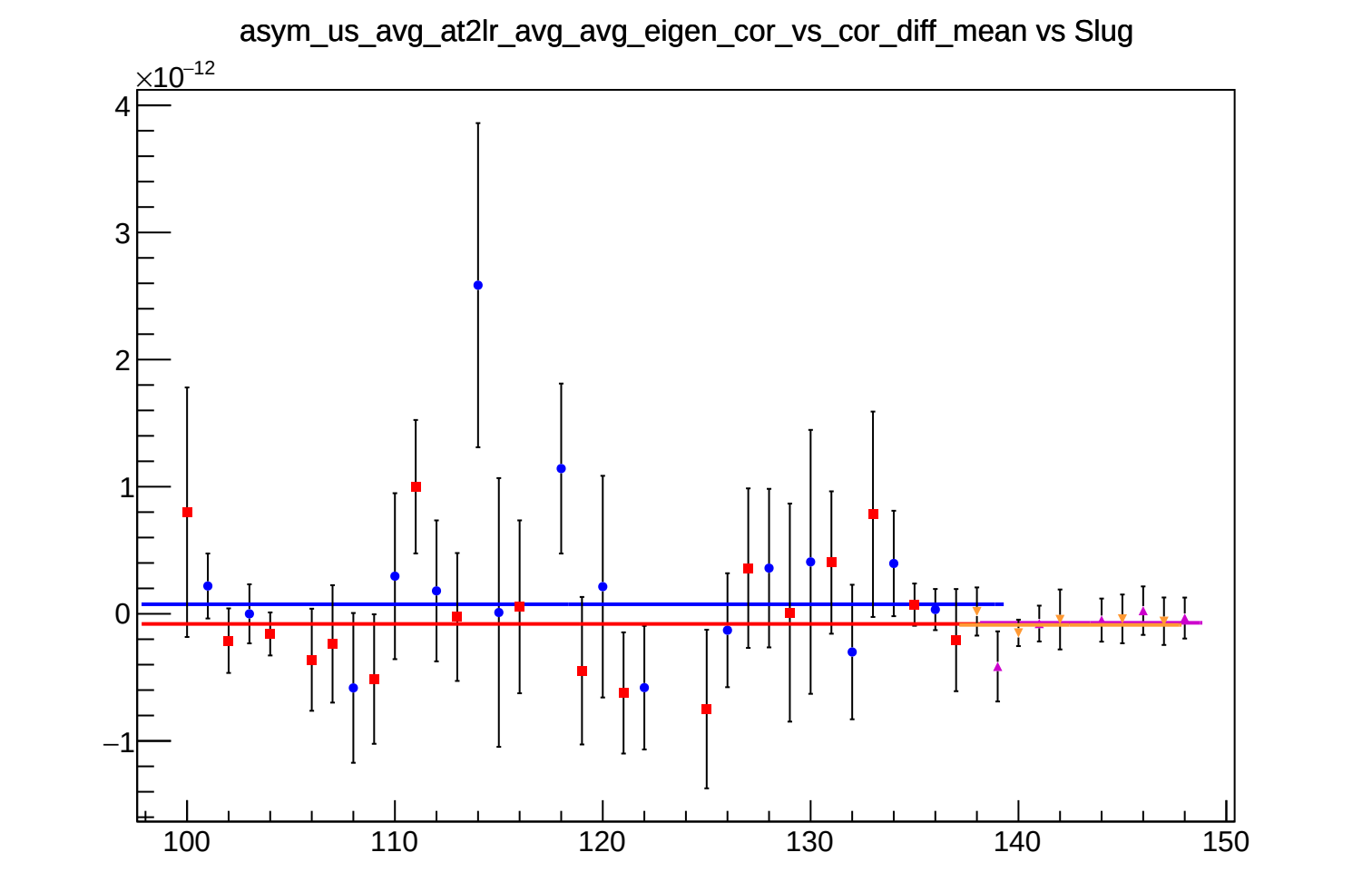
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

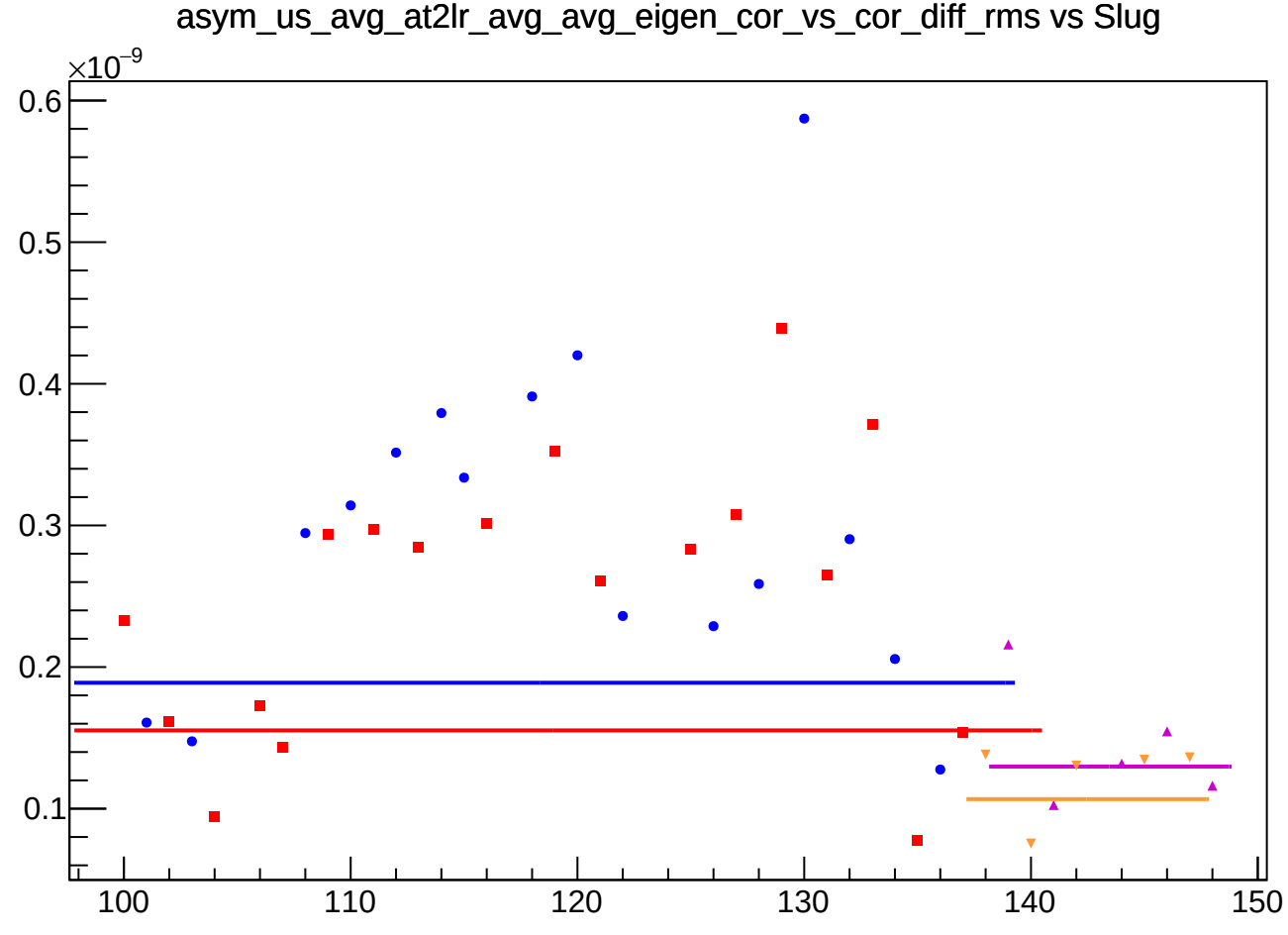
Left In: 648.627+/-0.228 χ^2/NDF:354392.8/4

+ sign 398.460+/-0.093 χ^2/NDF: 2622341.6/20

All: 392.303+/-0.065 χ^2/NDF: 5758938.9/43

- sign 386.594+/-0.090 χ^2/NDF: 3128170.8/22


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:0.8/4
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.9/4
+ sign -0.000+/-0.000 χ²/NDF: 14.4/20
All: -0.000+/-0.000 χ²/NDF: 29.7/43
- sign -0.000+/-0.000 χ²/NDF: 14.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:349865.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

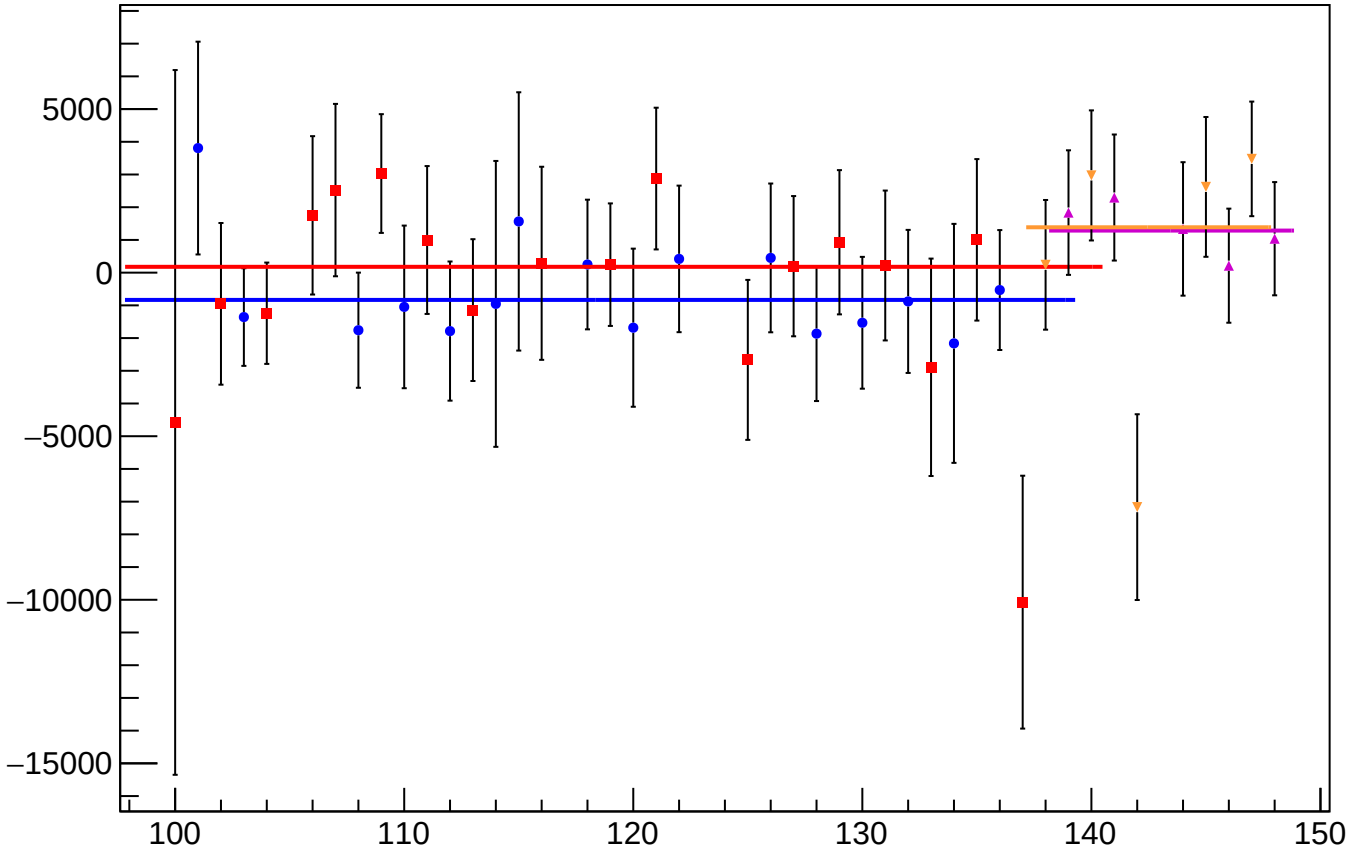
Left In: 0.000+/-0.000 χ^2/NDF:318056.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2806129.5/20

All: 0.000+/-0.000 χ^2/NDF: 5430739.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2616062.0/22

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

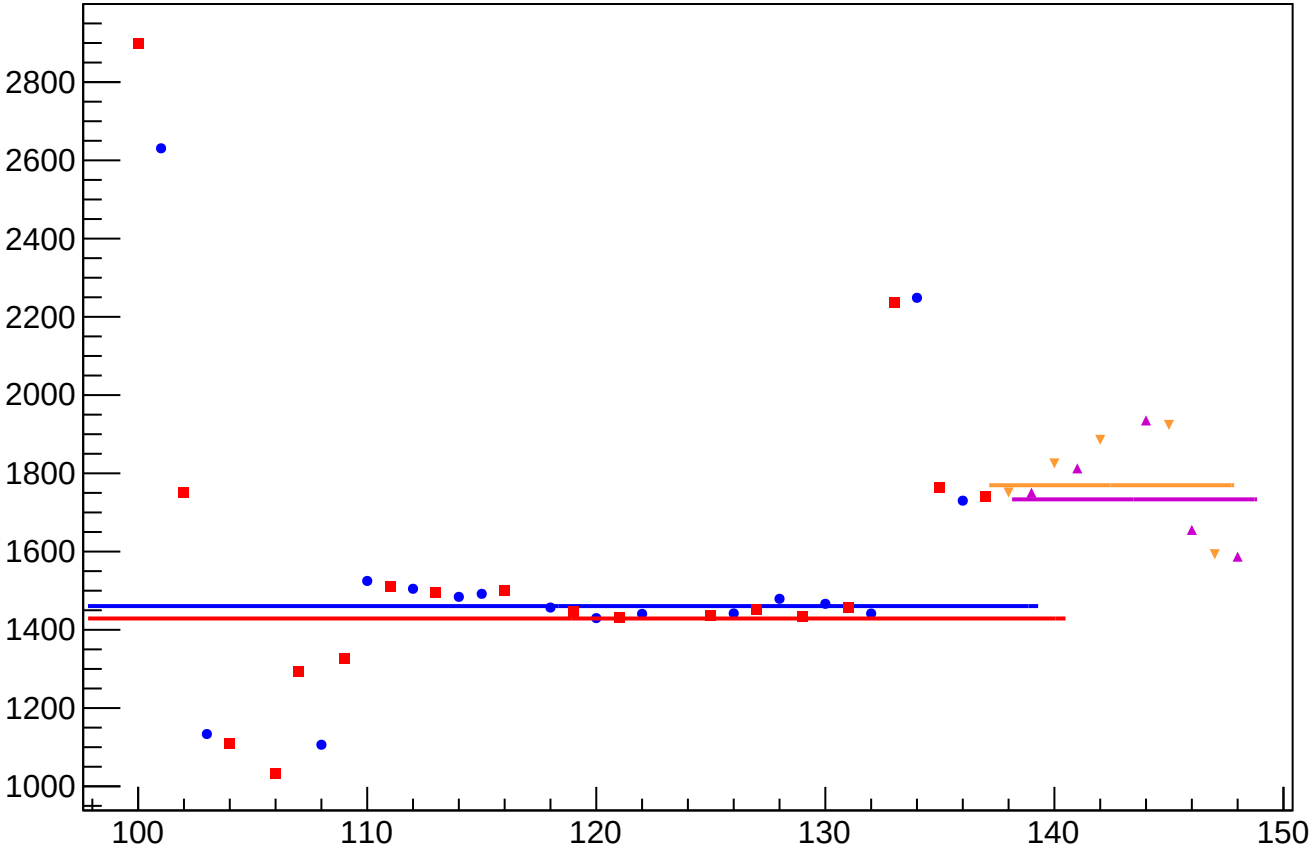
Left In: 1286.075+/-830.917 χ^2/NDF:0.8/4

+ sign -243.235+/-475.385 χ^2/NDF: 20.7/20

All: 149.968+/-329.593 χ^2/NDF: 40.4/43

- sign 513.927+/-457.366 χ^2/NDF: 18.5/22

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

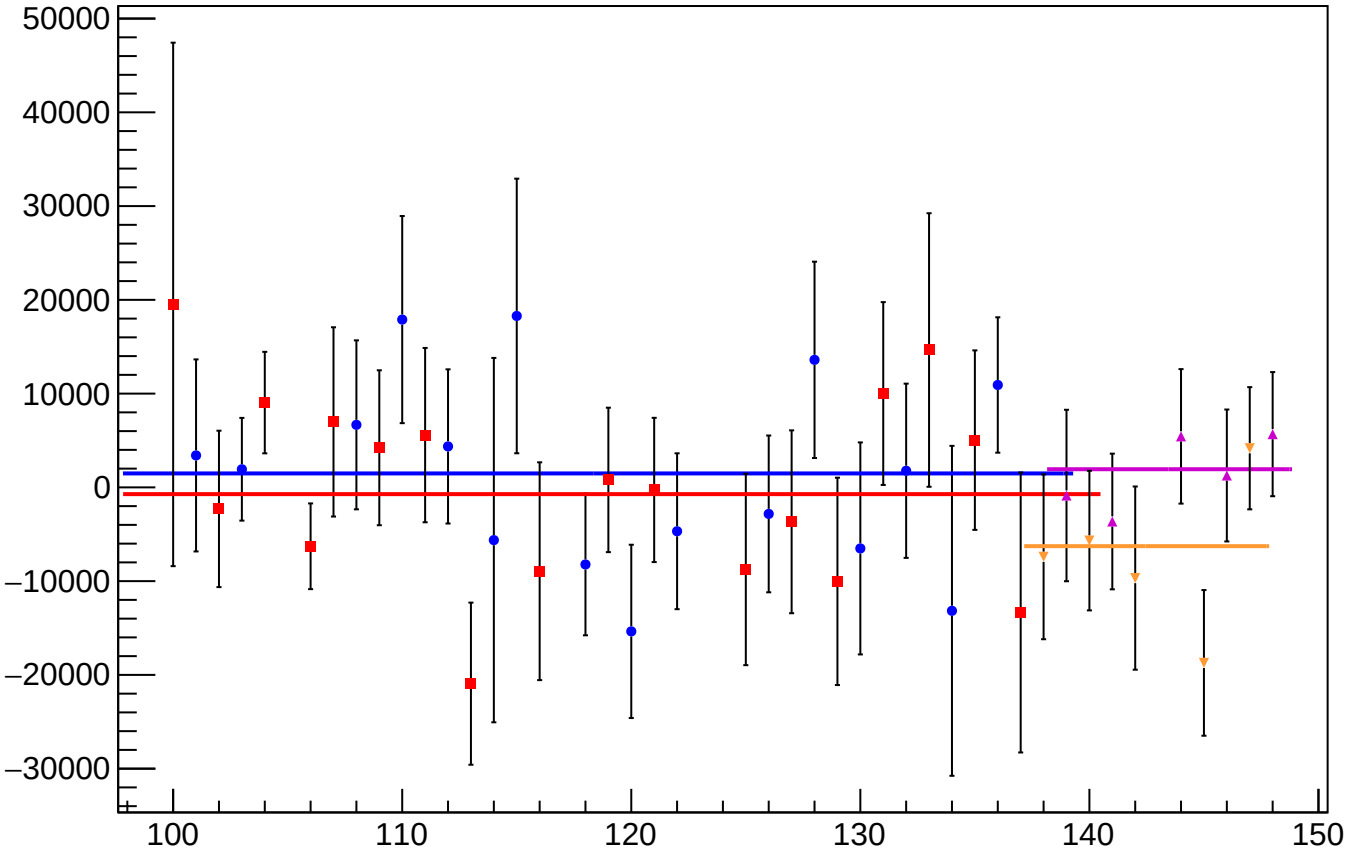
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.2/20

All: 1531.029+/-0.232 χ^2/NDF: 1419513.5/43

- sign 1520.252+/-0.322 χ^2/NDF: 640773.7/22



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -6269.901+/-3501.334 χ^2/NDF:5.3/4

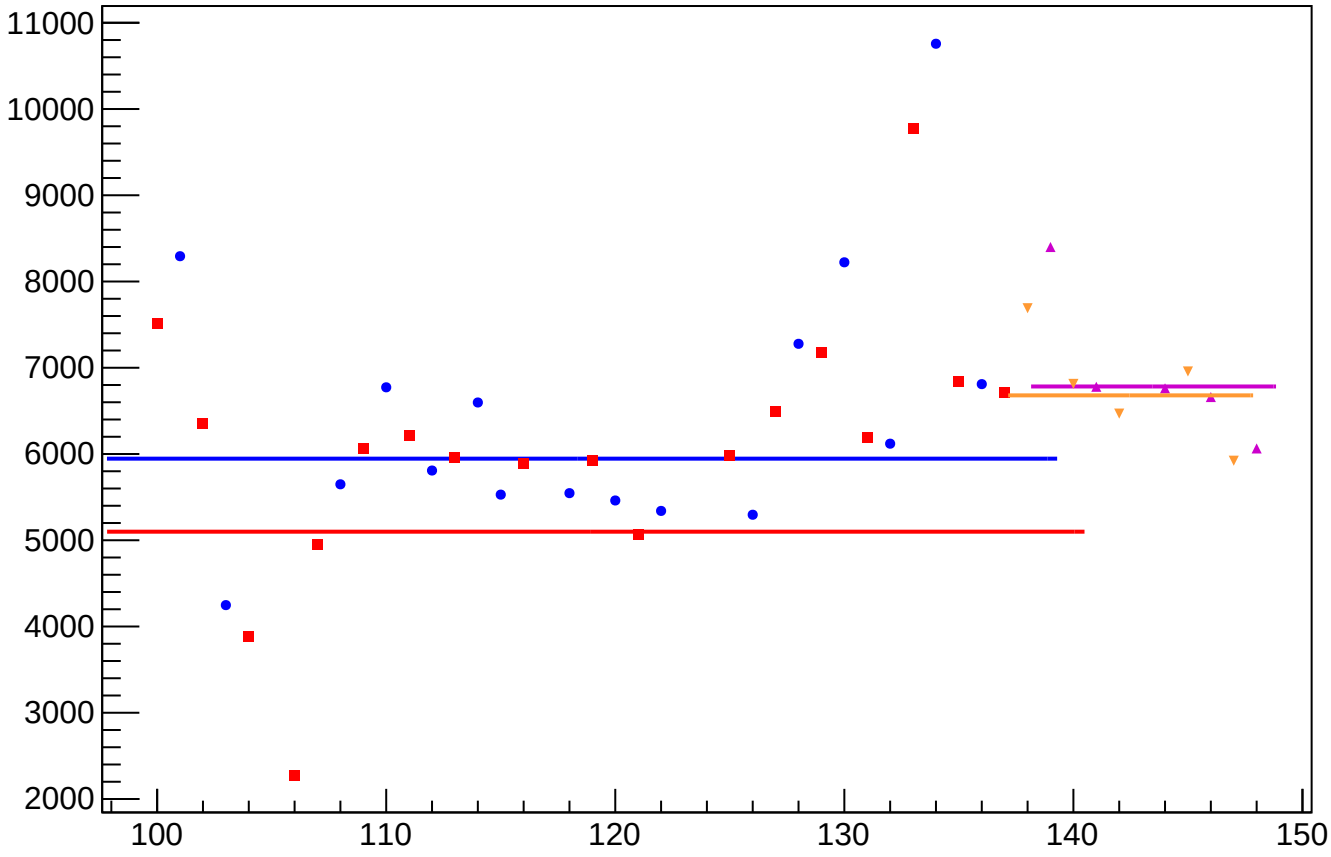
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1935.825+/-3269.862 χ^2/NDF:1.3/4

+ sign -805.426+/-1903.559 χ^2/NDF: 22.9/20

All: -355.479+/-1273.460 χ^2/NDF: 42.3/43

- sign 9.027+/-1713.316 χ^2/NDF: 19.3/22



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

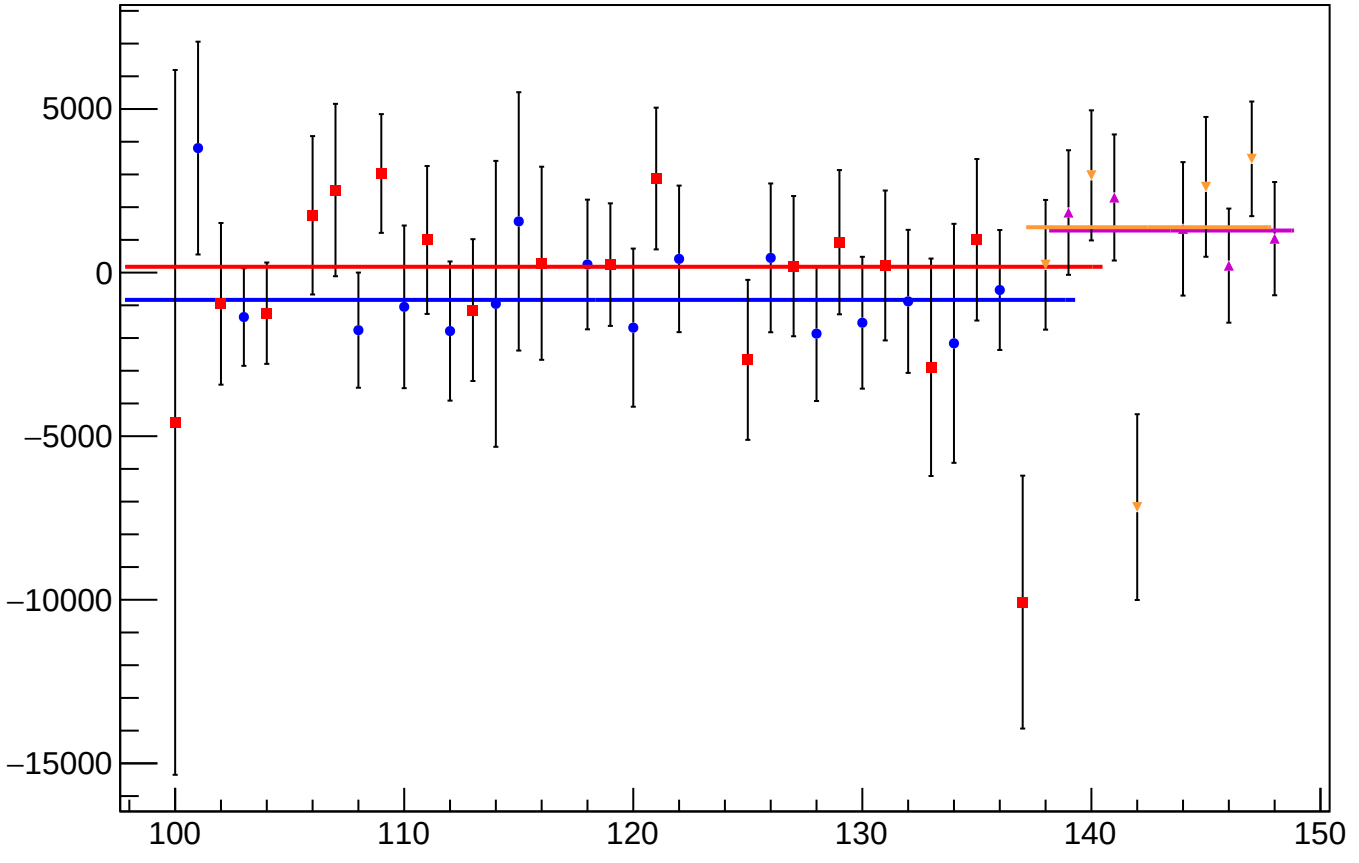
Left In: 6782.990+/-2.312 χ^2/NDF:86722.1/4

+ sign 6162.970+/-1.346 χ^2/NDF: 760580.5/20

All: 5830.744+/-0.900 χ^2/NDF: 2822593.3/43

- sign 5561.605+/-1.211 χ^2/NDF: 1951739.8/22

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

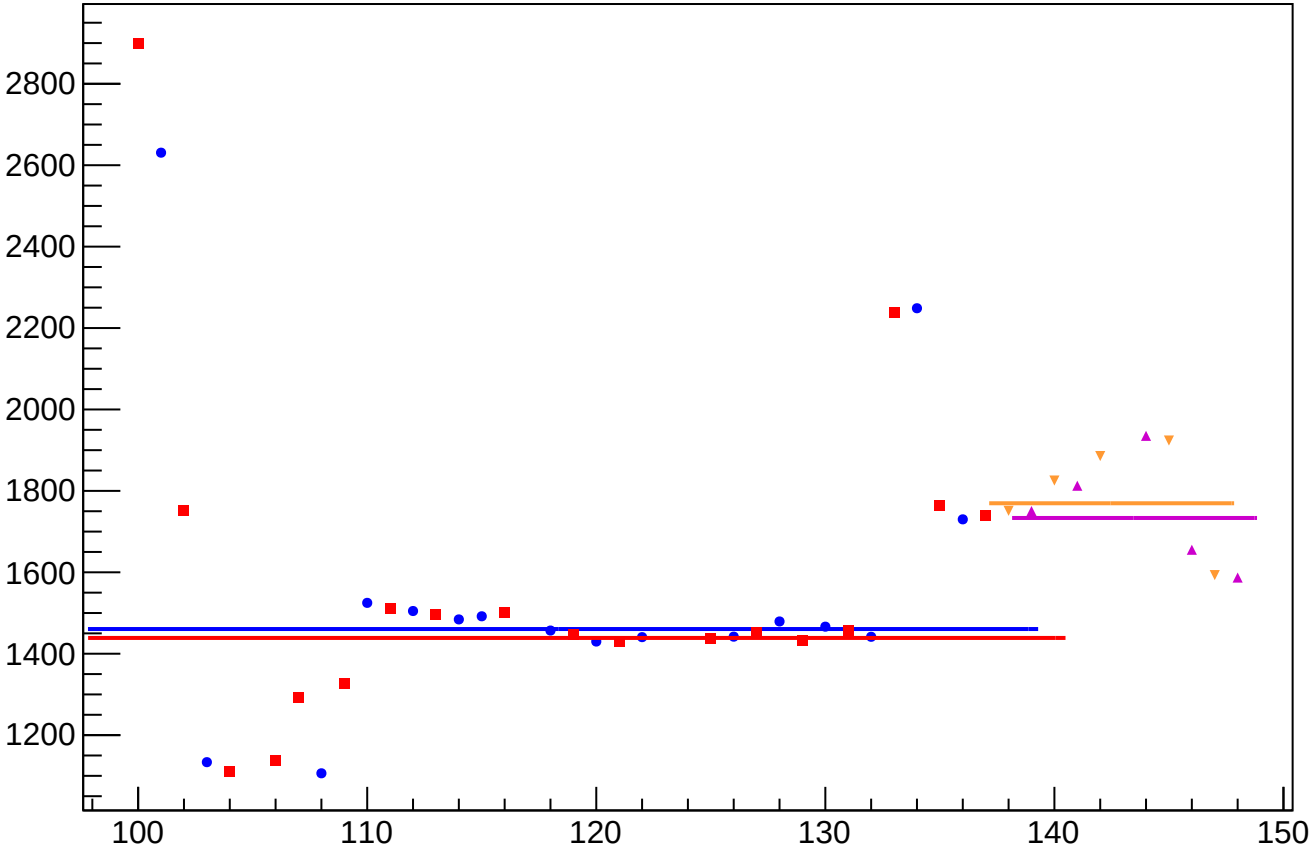
Left In: 1286.238+/-830.917 χ^2/NDF:0.8/4

+ sign -243.321+/-475.385 χ^2/NDF: 20.7/20

All: 149.894+/-329.593 χ^2/NDF: 40.4/43

- sign 513.865+/-457.366 χ^2/NDF: 18.5/22

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

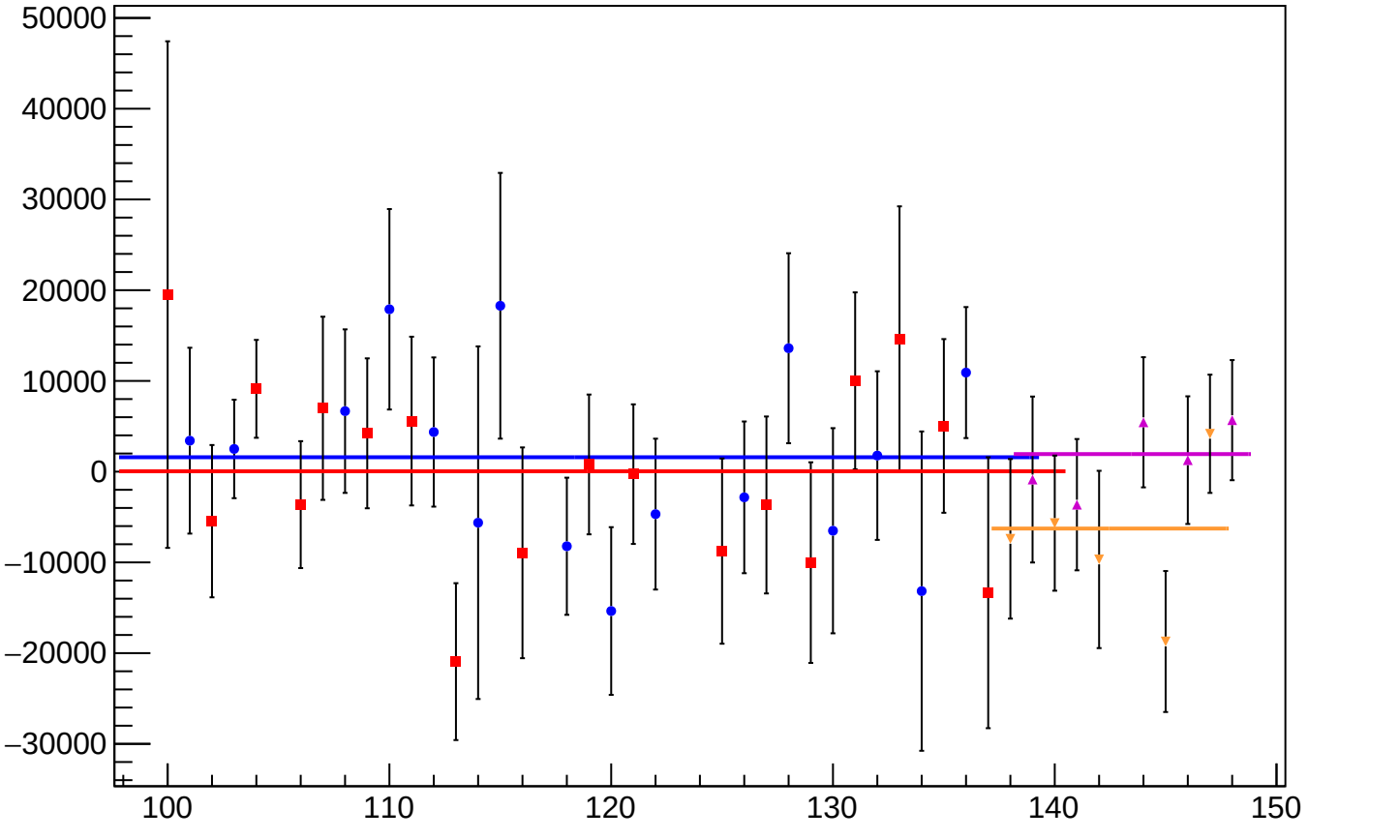
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.5/20

All: 1534.976+/-0.233 χ^2/NDF: 1367826.1/43

- sign 1527.765+/-0.323 χ^2/NDF: 590393.0/22



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

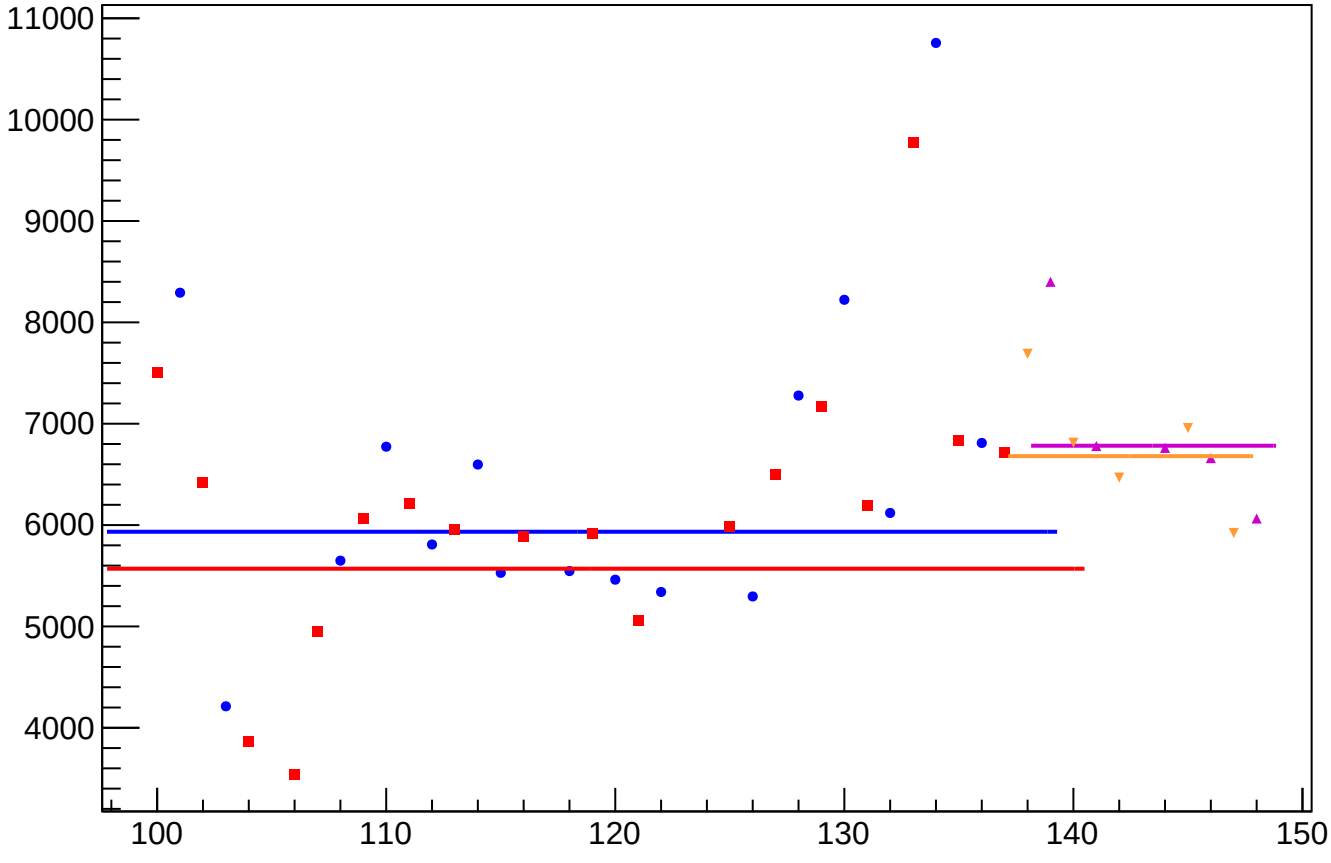
Left In: 1935.832+/-3269.860 χ^2/NDF:1.3/4

+ sign -728.703+/-1901.329 χ^2/NDF: 23.0/20

All: -19.642+/-1301.959 χ^2/NDF: 41.2/43

- sign 606.378+/-1786.525 χ^2/NDF: 17.9/22

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

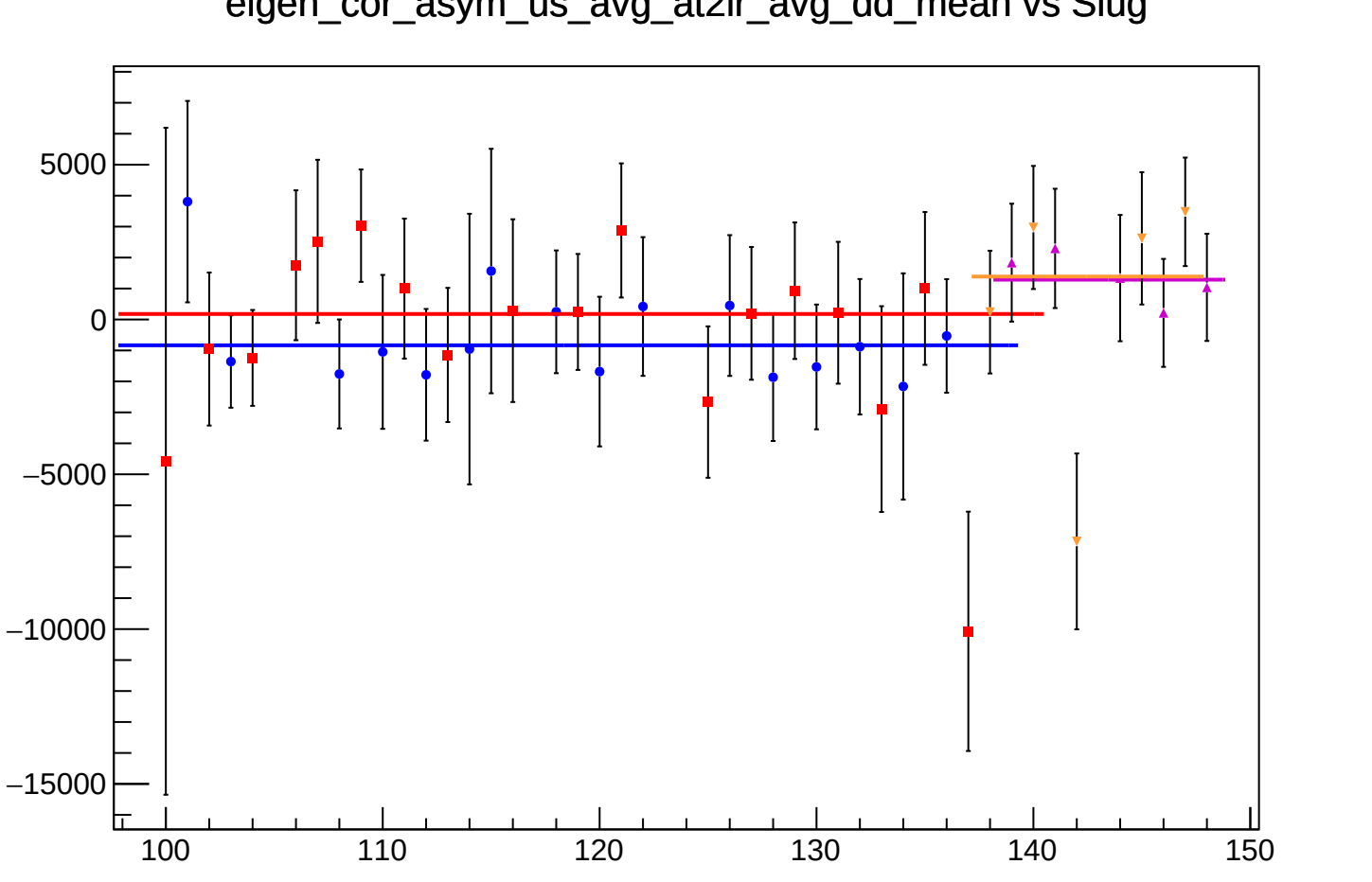
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

+ sign 6154.091+/-1.344 χ^2/NDF: 774610.9/20

All: 6036.039+/-0.921 χ^2/NDF: 1793089.3/43

- sign 5931.813+/-1.263 χ^2/NDF: 1003961.1/22



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1386.327+/-921.939 χ^2/NDF:11.8/4

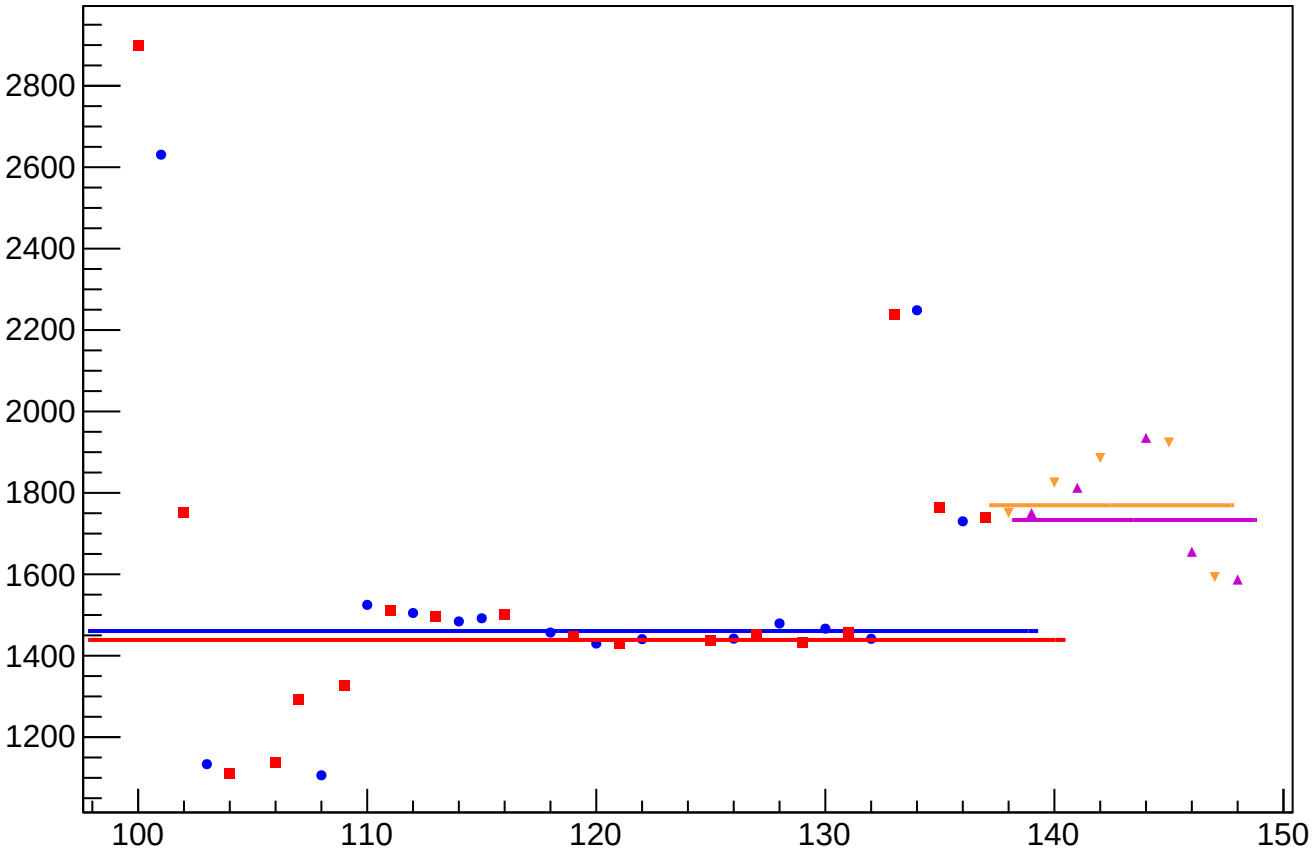
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 1286.238+/-830.917 χ^2/NDF:0.8/4

+ sign -243.321+/-475.385 χ^2/NDF: 20.7/20

All: 149.894+/-329.593 χ^2/NDF: 40.4/43

- sign 513.865+/-457.366 χ^2/NDF: 18.5/22



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

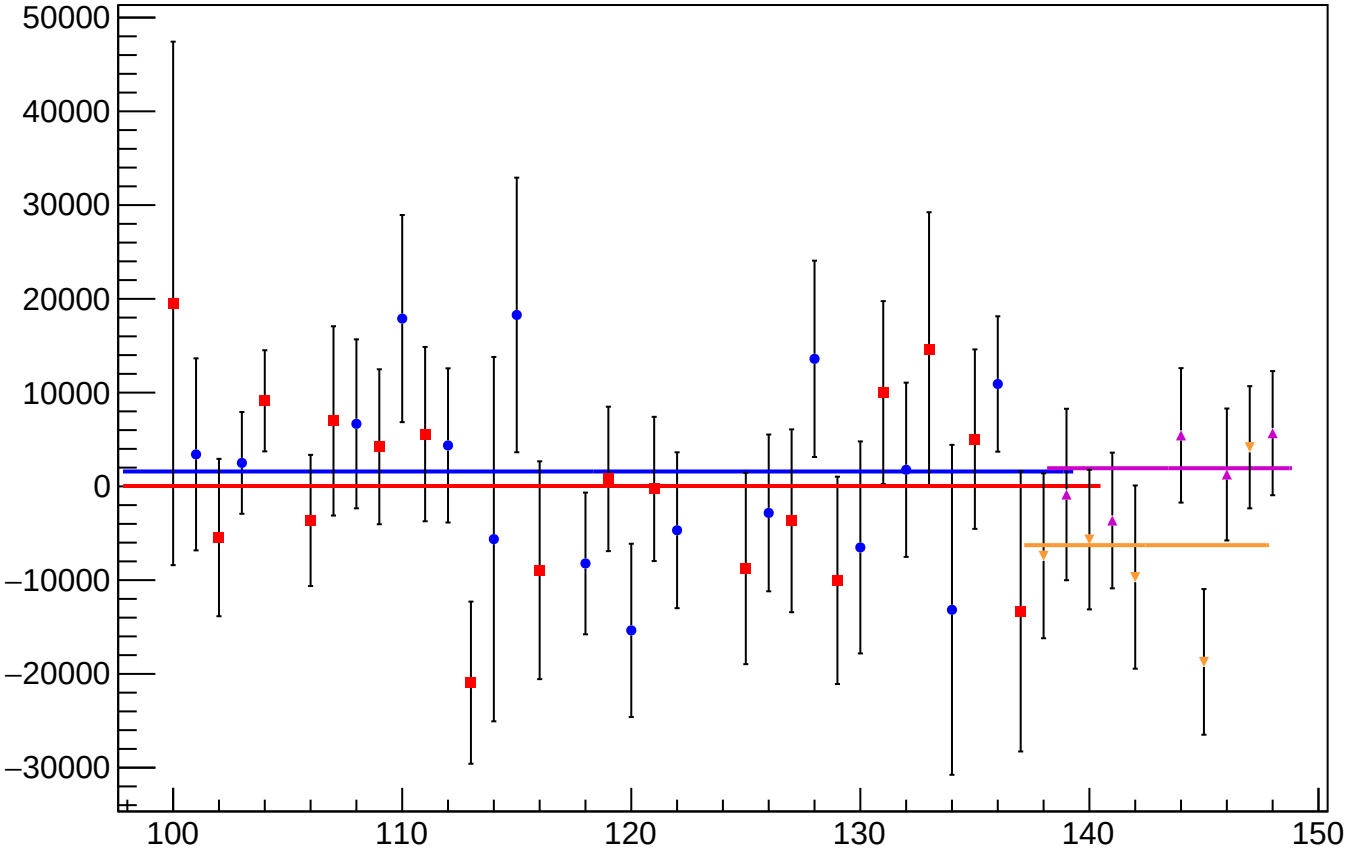
Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1542.792+/-0.336 χ^2/NDF: 776393.5/20

All: 1534.976+/-0.233 χ^2/NDF: 1367826.1/43

- sign 1527.765+/-0.323 χ^2/NDF: 590393.0/22

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6269.944+/-3501.332 χ^2/NDF:5.3/4

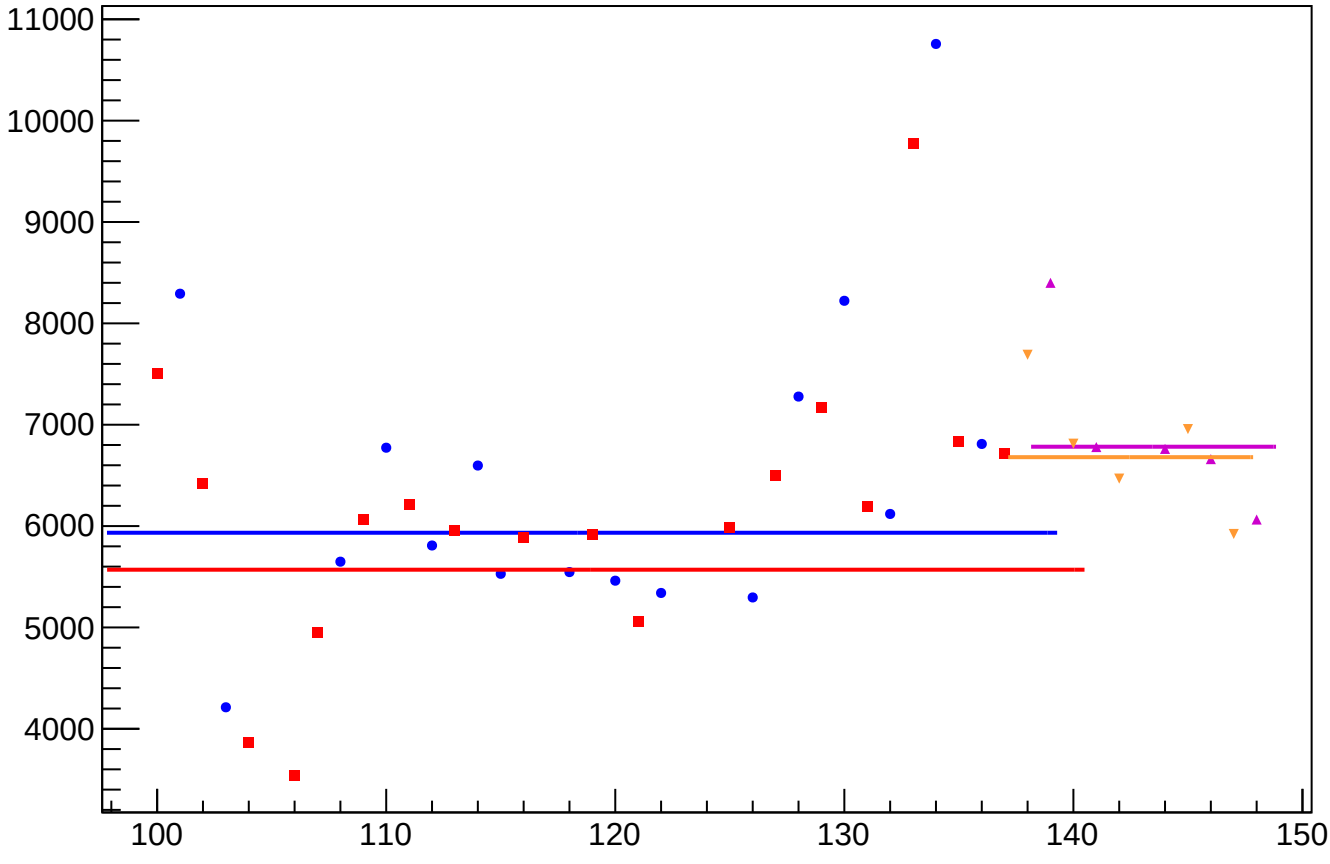
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1935.832+/-3269.860 χ^2/NDF:1.3/4

+ sign -728.703+/-1901.329 χ^2/NDF: 23.0/20

All: -19.642+/-1301.959 χ^2/NDF: 41.2/43

- sign 606.378+/-1786.525 χ^2/NDF: 17.9/22



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6679.870+/-2.476 χ^2/NDF:57568.0/4

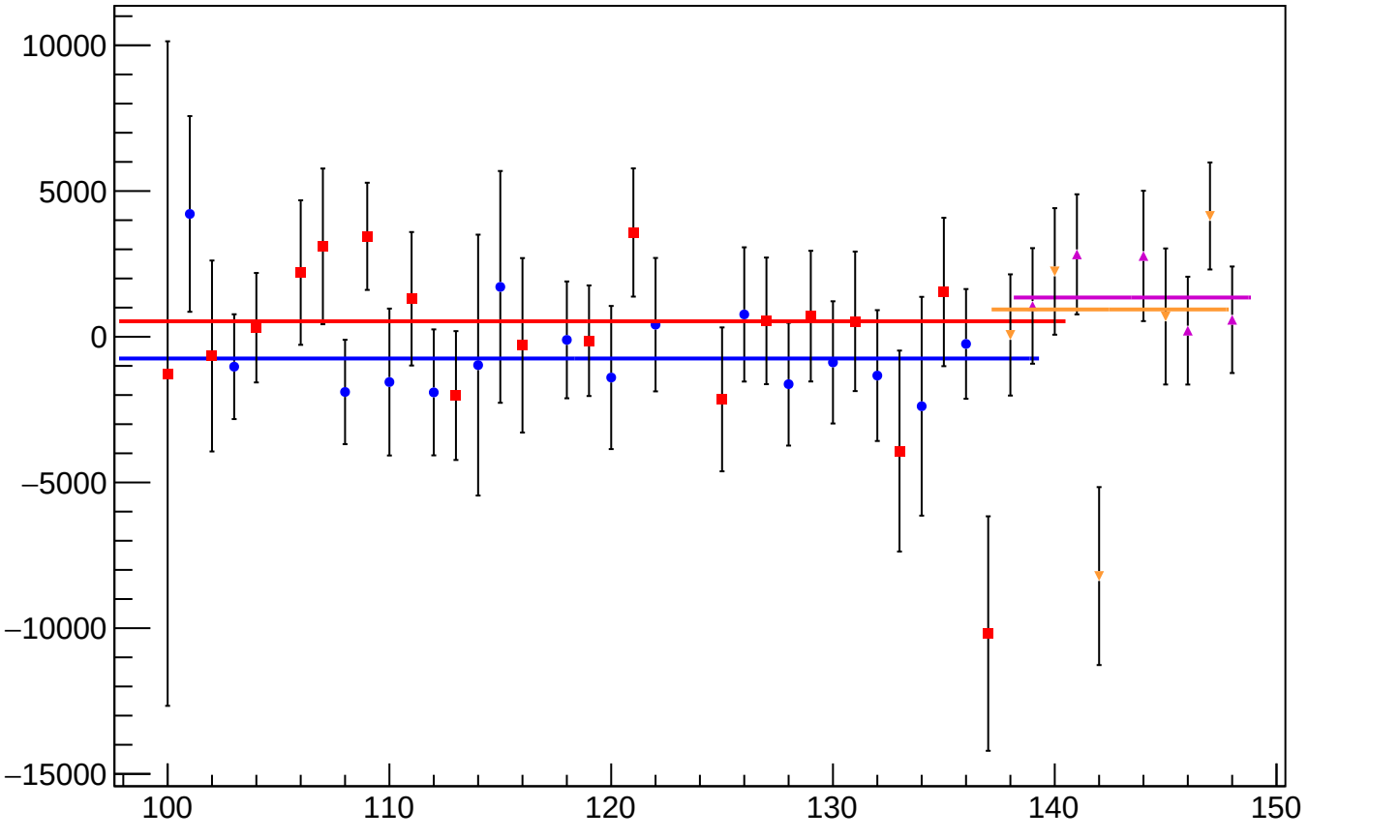
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

+ sign 6154.091+/-1.344 χ^2/NDF: 774610.9/20

All: 6036.039+/-0.921 χ^2/NDF: 1793089.3/43

- sign 5931.813+/-1.263 χ^2/NDF: 1003961.1/22



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

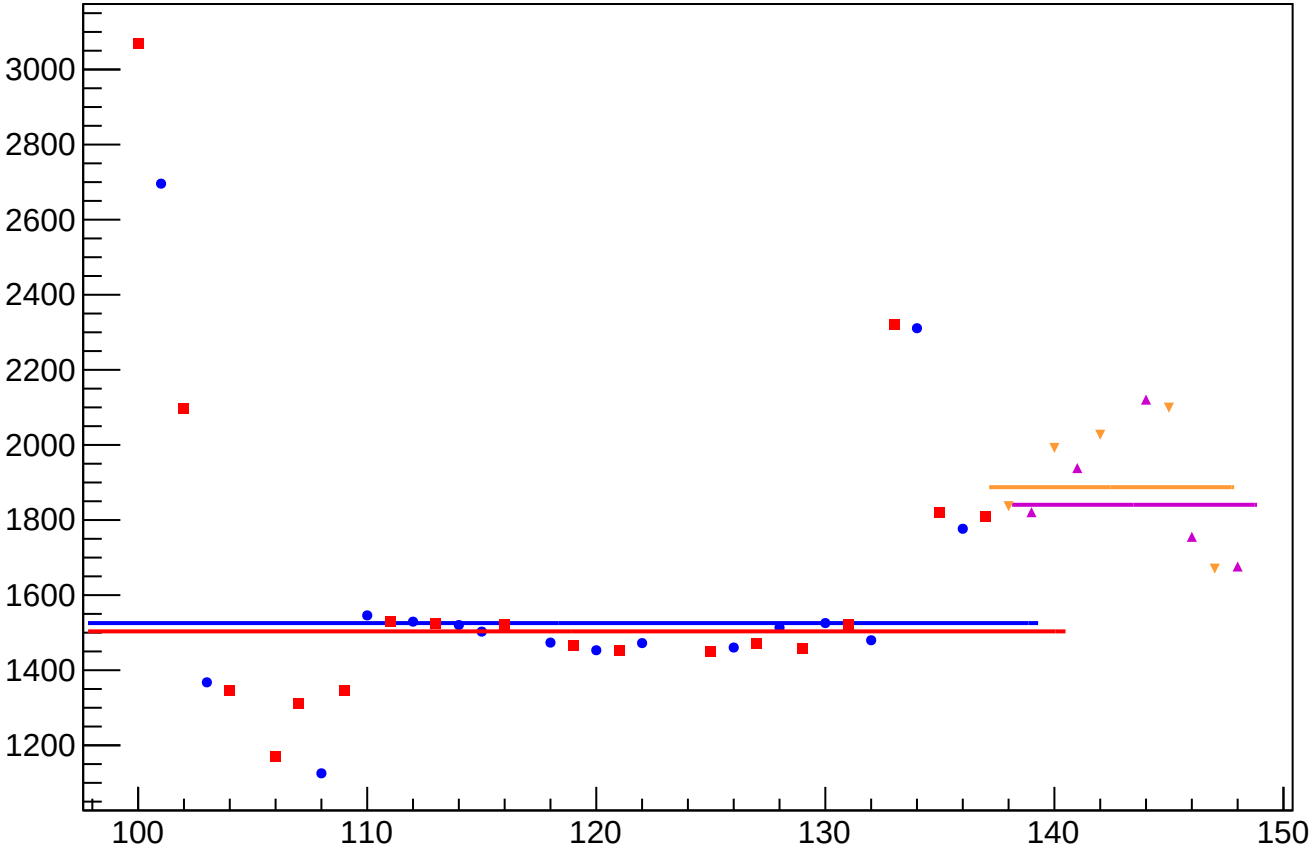
Left In: 1346.803+/-883.415 χ^2/NDF:1.5/4

+ sign -314.829+/-498.562 χ^2/NDF: 19.5/20

All: 248.016+/-346.524 χ^2/NDF: 41.8/43

- sign 774.040+/-481.978 χ^2/NDF: 19.8/22

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

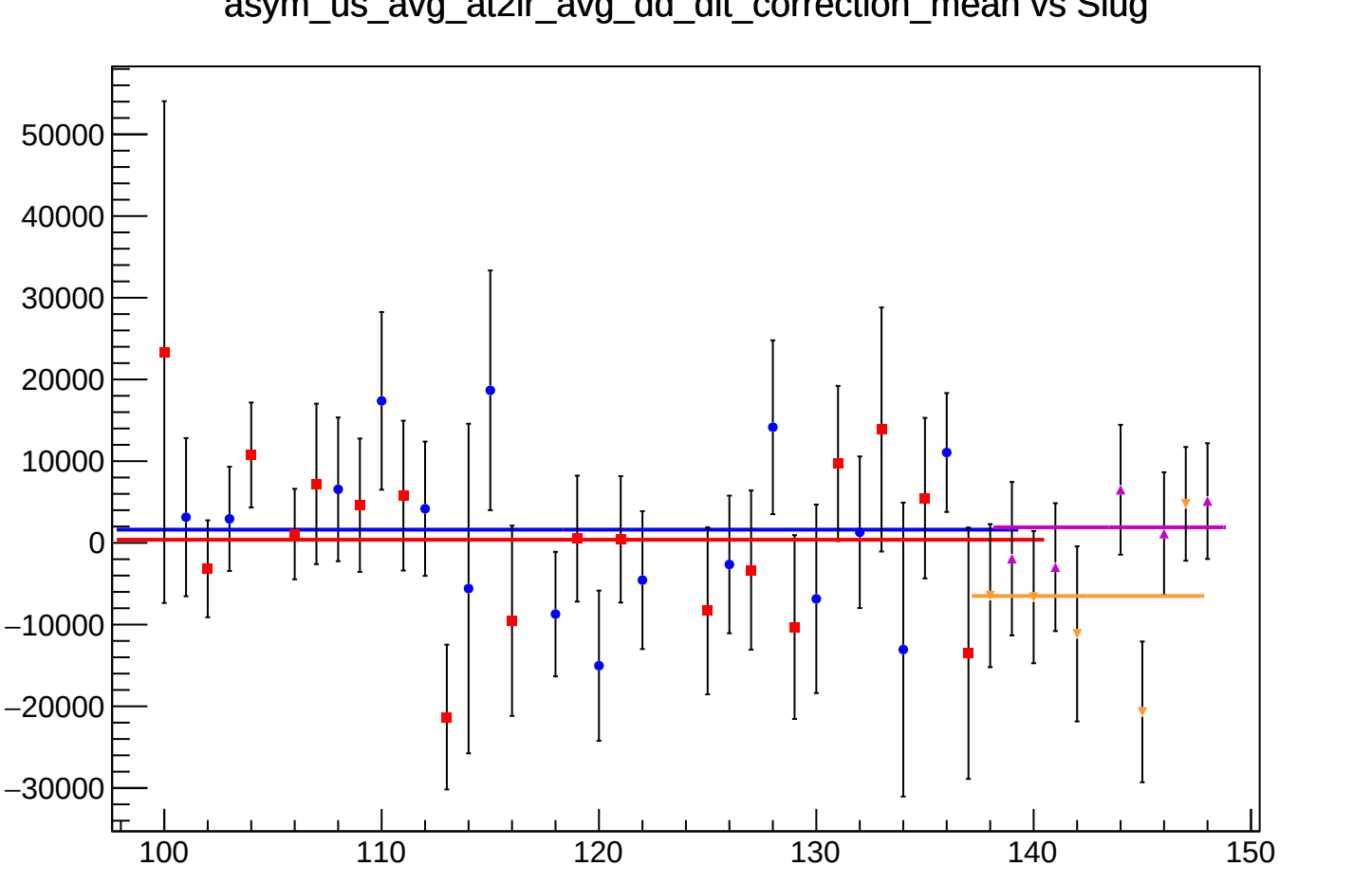
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1840.597+/-0.625 χ^2/NDF:56510.3/4

+ sign 1618.251+/-0.353 χ^2/NDF: 743560.9/20

All: 1610.756+/-0.245 χ^2/NDF: 1344096.9/43

- sign 1603.754+/-0.341 χ^2/NDF: 599661.8/22



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

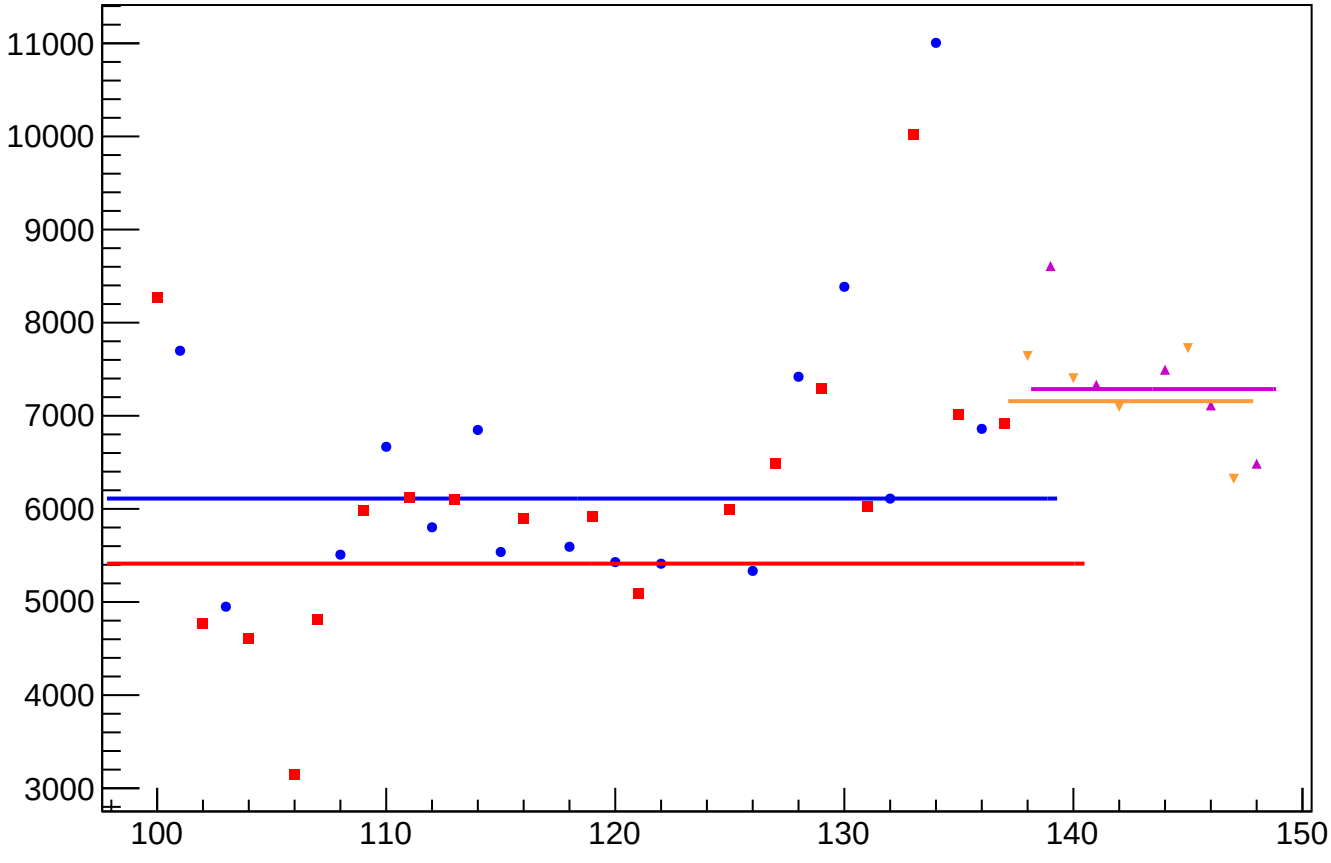
Left In: 1904.157+/-3510.055 χ^2/NDF:1.1/4

+ sign -628.780+/-1972.800 χ^2/NDF: 23.2/20

All: 146.215+/-1320.418 χ^2/NDF: 40.7/43

- sign 775.142+/-1777.188 χ^2/NDF: 17.3/22

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

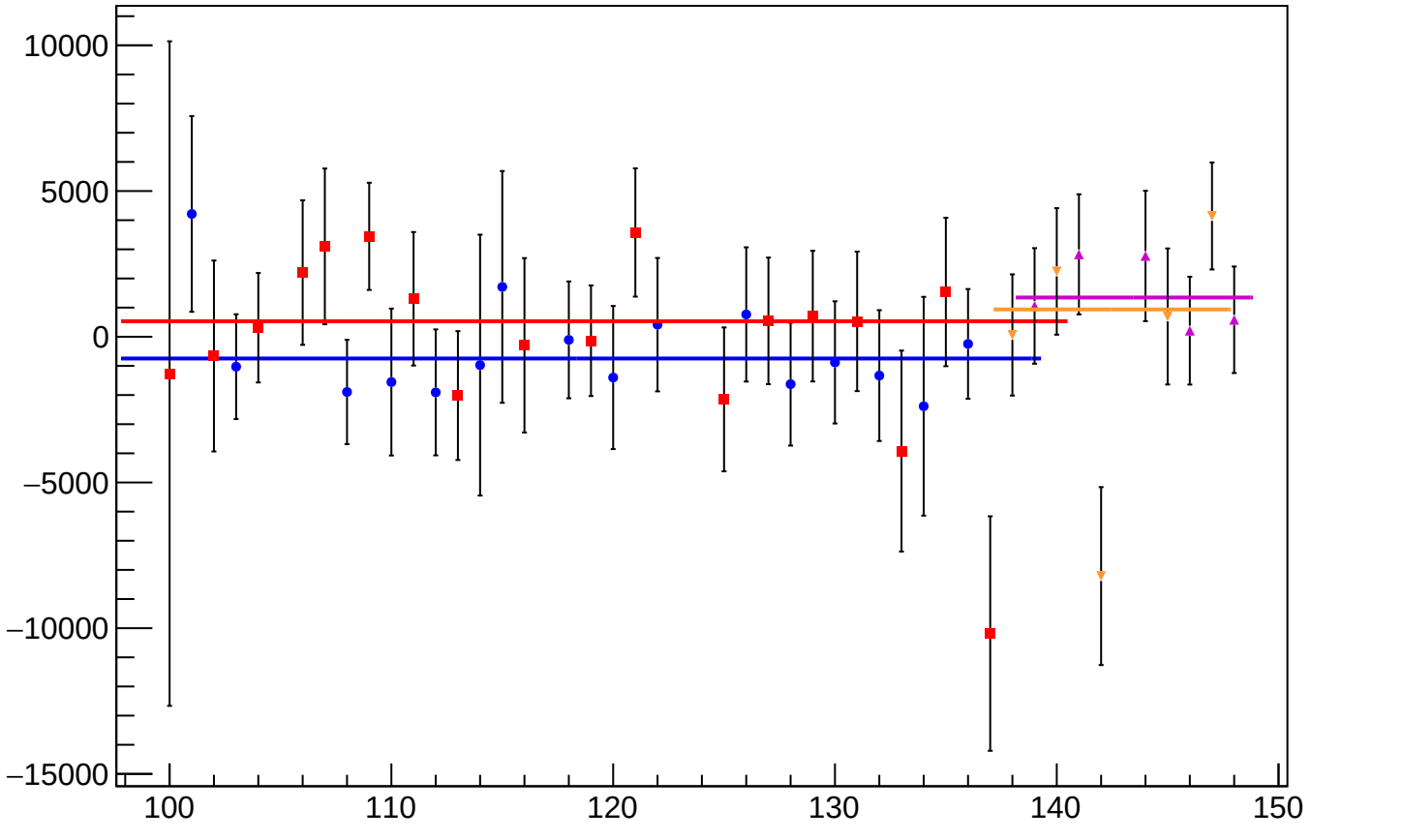
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7286.528+/-2.482 χ^2/NDF:67769.9/4

+ sign 6400.687+/-1.395 χ^2/NDF: 629694.1/20

All: 6120.293+/-0.934 χ^2/NDF: 2016240.7/43

- sign 5892.747+/-1.257 χ^2/NDF: 1313357.6/22



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

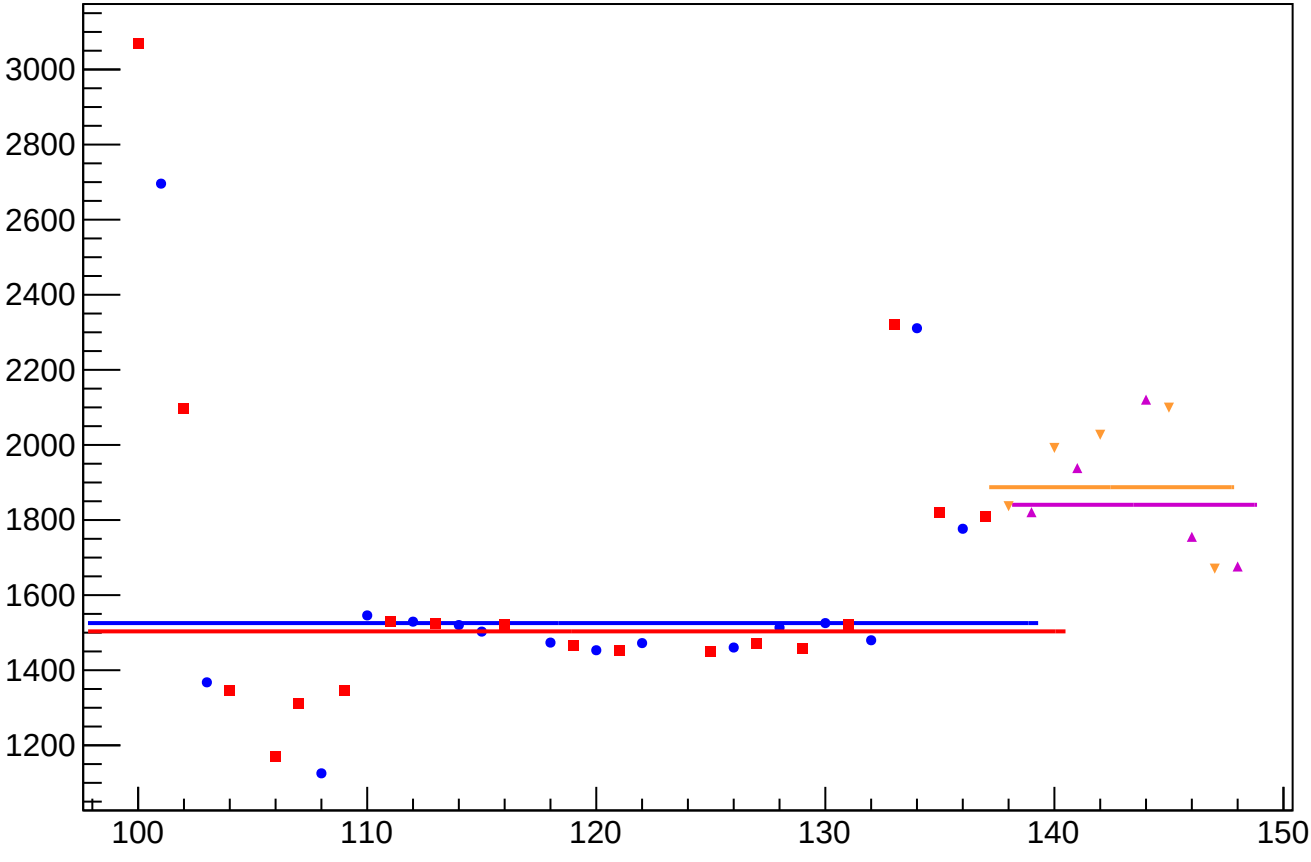
Left In: 1346.798+/-883.417 χ^2/NDF:1.5/4

+ sign -314.837+/-498.562 χ^2/NDF: 19.5/20

All: 248.014+/-346.525 χ^2/NDF: 41.8/43

- sign 774.045+/-481.978 χ^2/NDF: 19.8/22

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

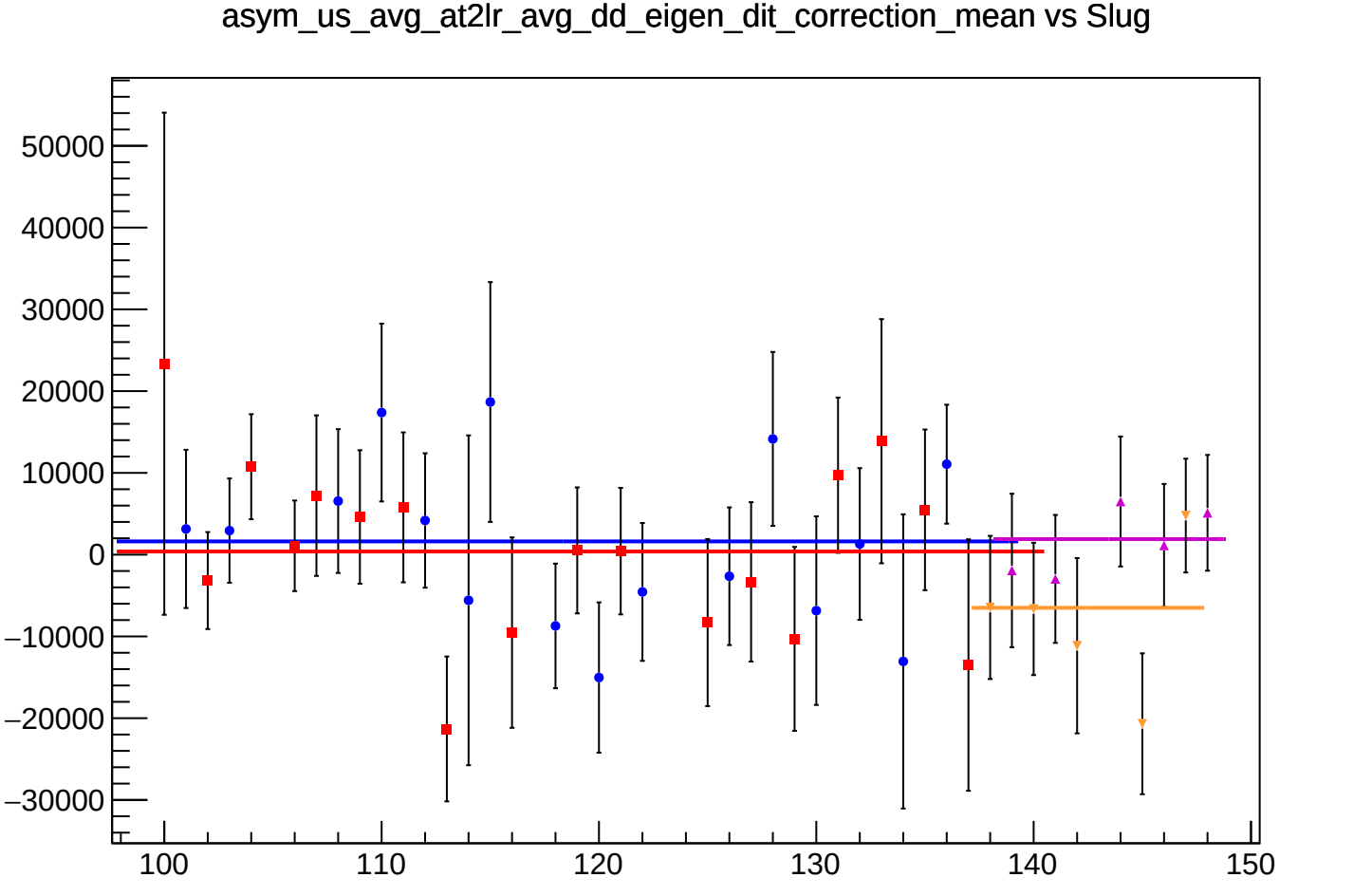
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1840.599+/-0.625 χ^2/NDF:56510.3/4

+ sign 1618.252+/-0.353 χ^2/NDF: 743563.2/20

All: 1610.757+/-0.245 χ^2/NDF: 1344102.1/43

- sign 1603.755+/-0.341 χ^2/NDF: 599664.6/22



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -6500.449+/-3748.831 χ^2/NDF:5.5/4

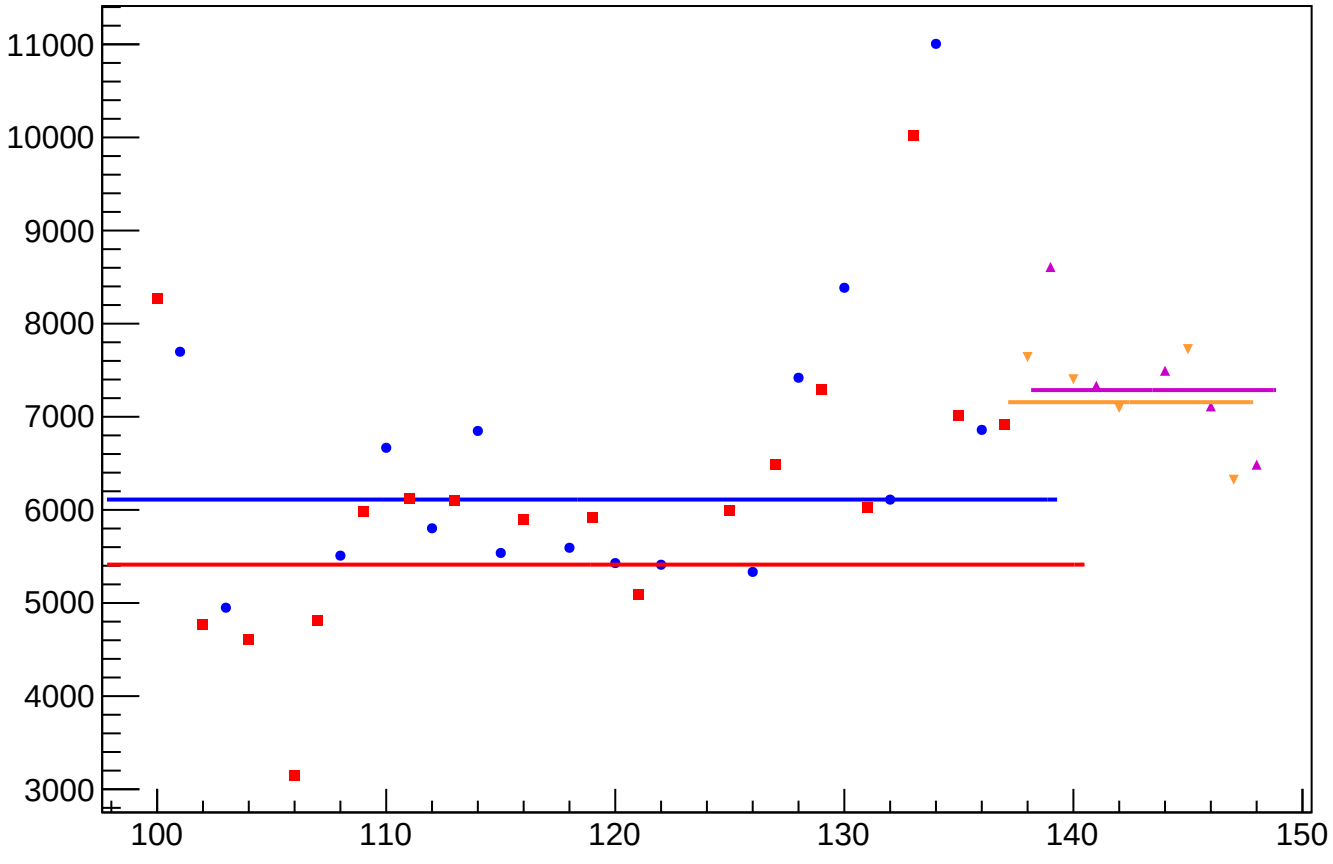
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1904.151+/-3510.059 χ^2/NDF:1.1/4

+ sign -628.786+/-1972.798 χ^2/NDF: 23.2/20

All: 146.213+/-1320.417 χ^2/NDF: 40.7/43

- sign 775.143+/-1777.186 χ^2/NDF: 17.3/22



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7156.968+/-2.651 χ^2/NDF:45465.3/4

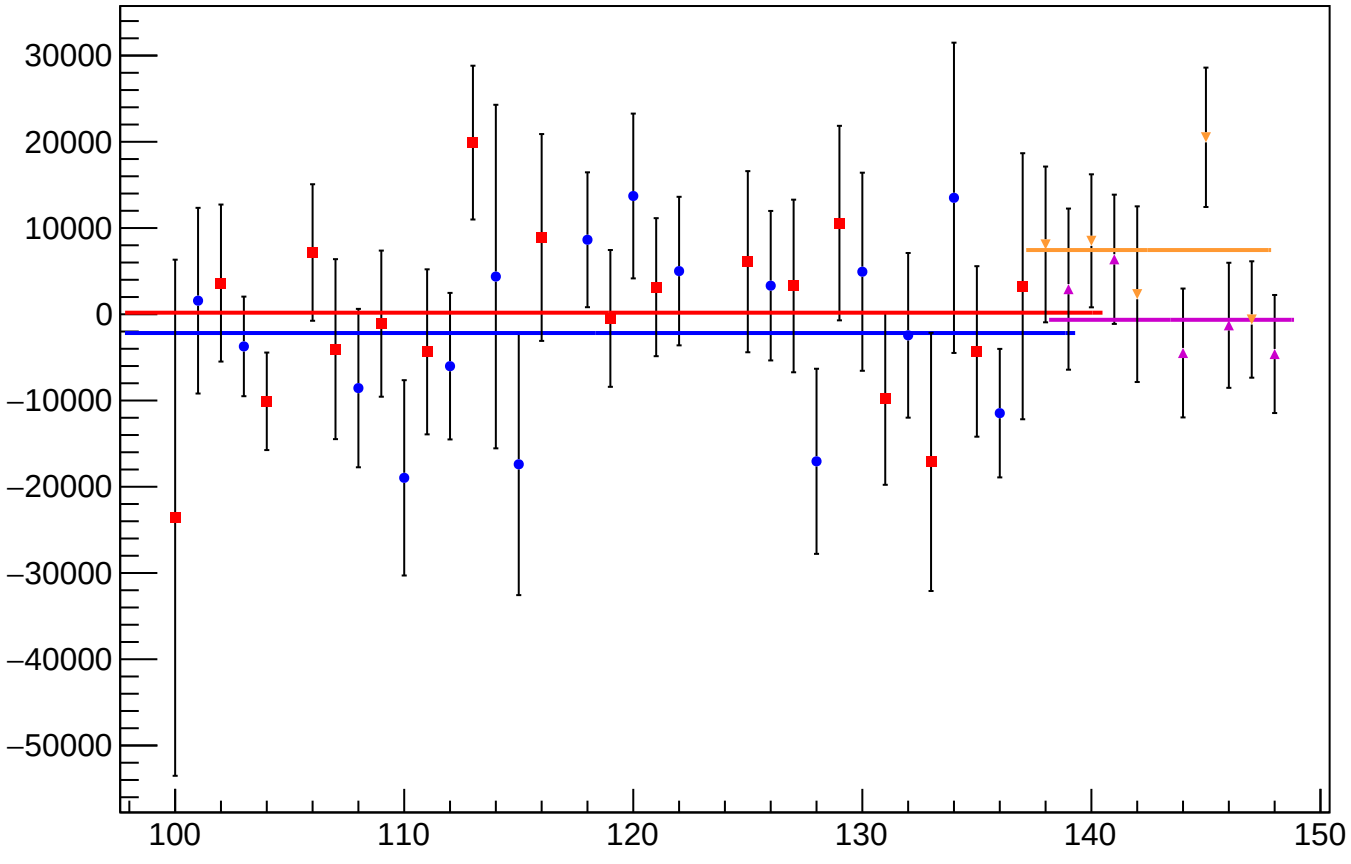
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7286.537+/-2.482 χ^2/NDF:67770.8/4

+ sign 6400.679+/-1.395 χ^2/NDF: 629702.0/20

All: 6120.285+/-0.934 χ^2/NDF: 2016258.9/43

- sign 5892.738+/-1.257 χ^2/NDF: 1313367.7/22



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

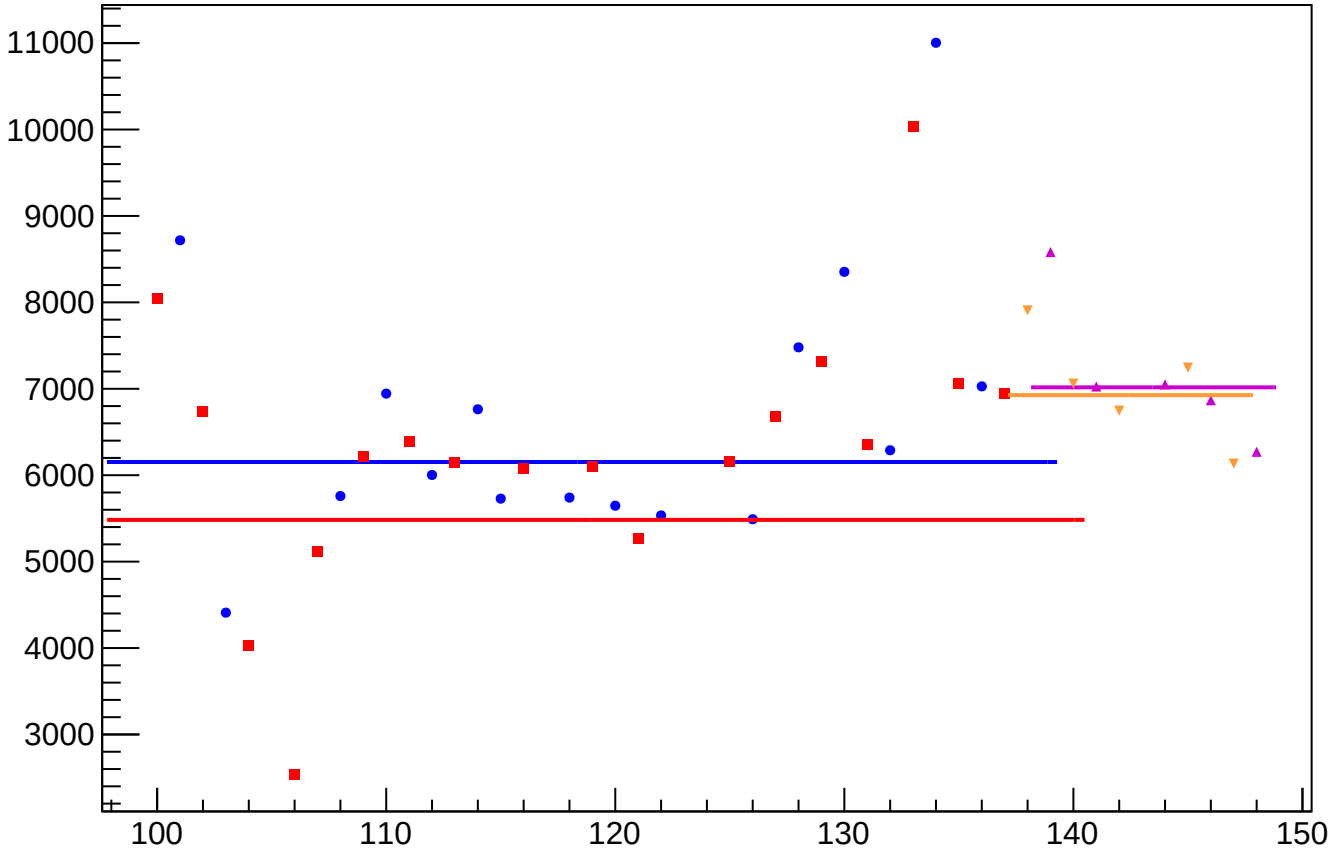
Left In: -641.083+/-3379.893 χ^2/NDF:1.6/4

+ sign 666.119+/-1970.972 χ^2/NDF: 23.9/20

All: 278.814+/-1353.024 χ^2/NDF: 40.3/43

- sign -66.371+/-1860.714 χ^2/NDF: 16.3/22

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

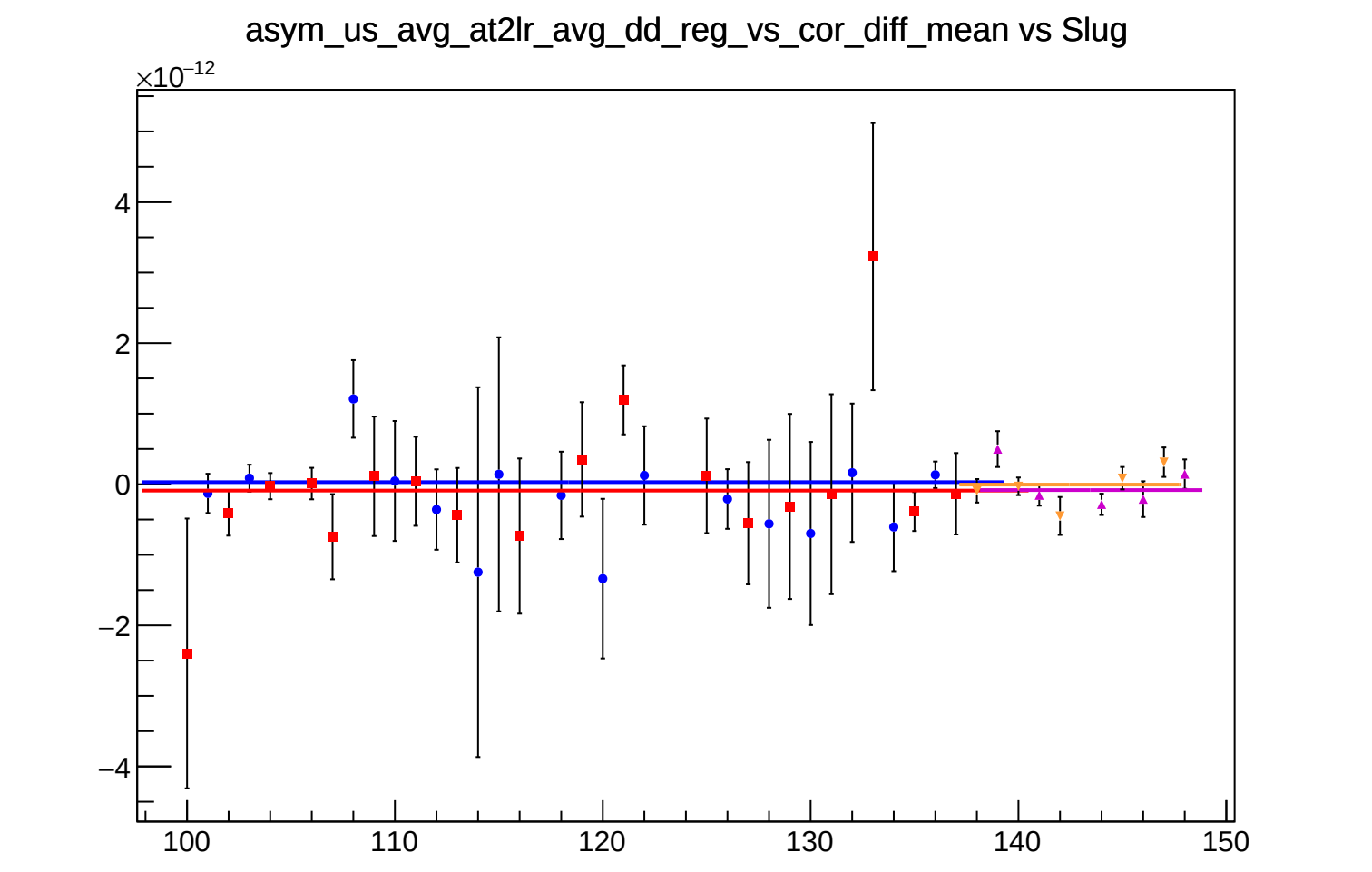
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7016.561+/-2.390 χ^2/NDF:80813.3/4

+ sign 6381.139+/-1.394 χ^2/NDF: 743664.7/20

All: 6133.936+/-0.944 χ^2/NDF: 2324376.9/43

- sign 5924.681+/-1.282 χ^2/NDF: 1522618.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

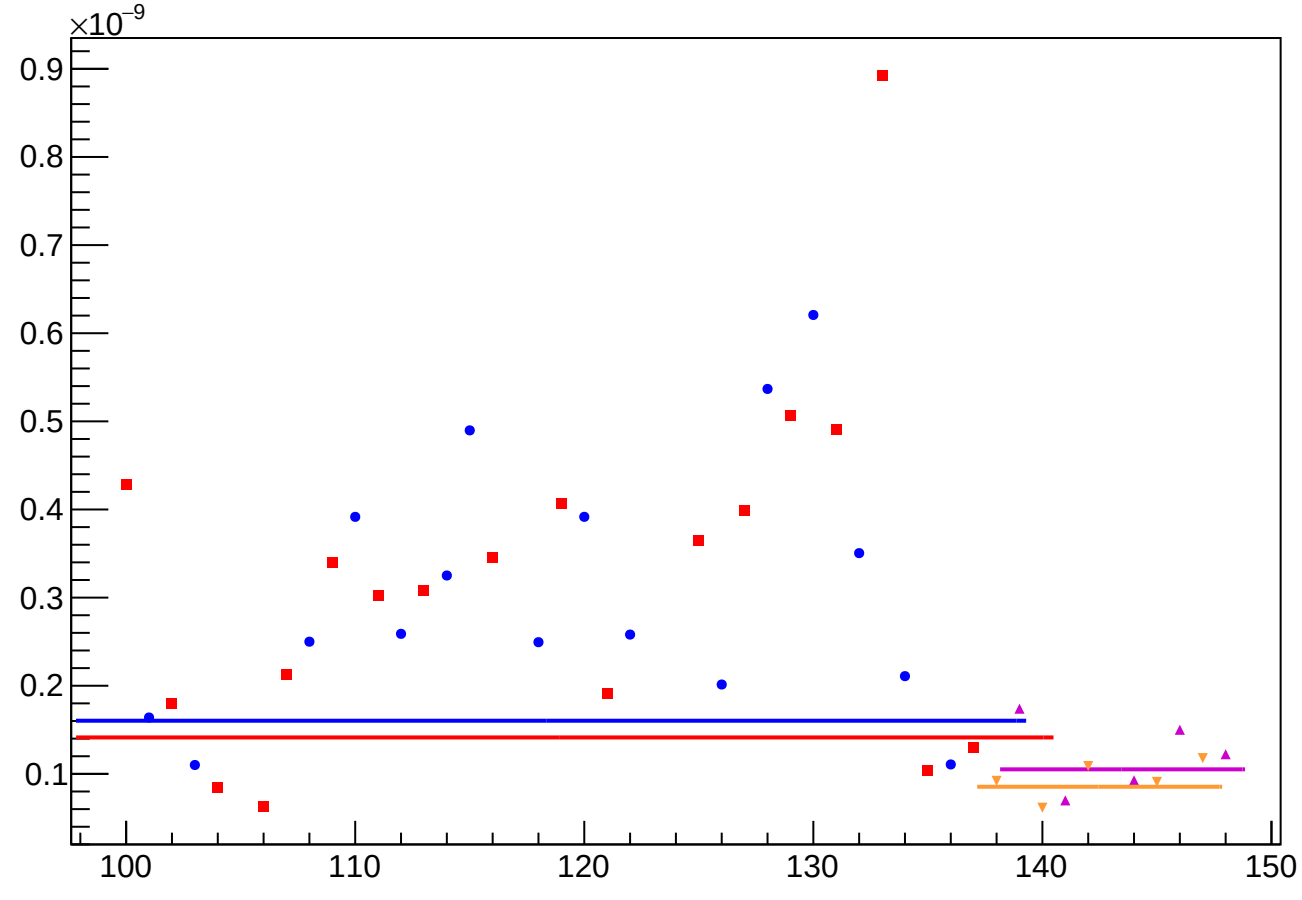
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:8.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.3/20

All: -0.000+/-0.000 χ^2/NDF: 41.6/43

- sign -0.000+/-0.000 χ^2/NDF: 25.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:141905.8/4

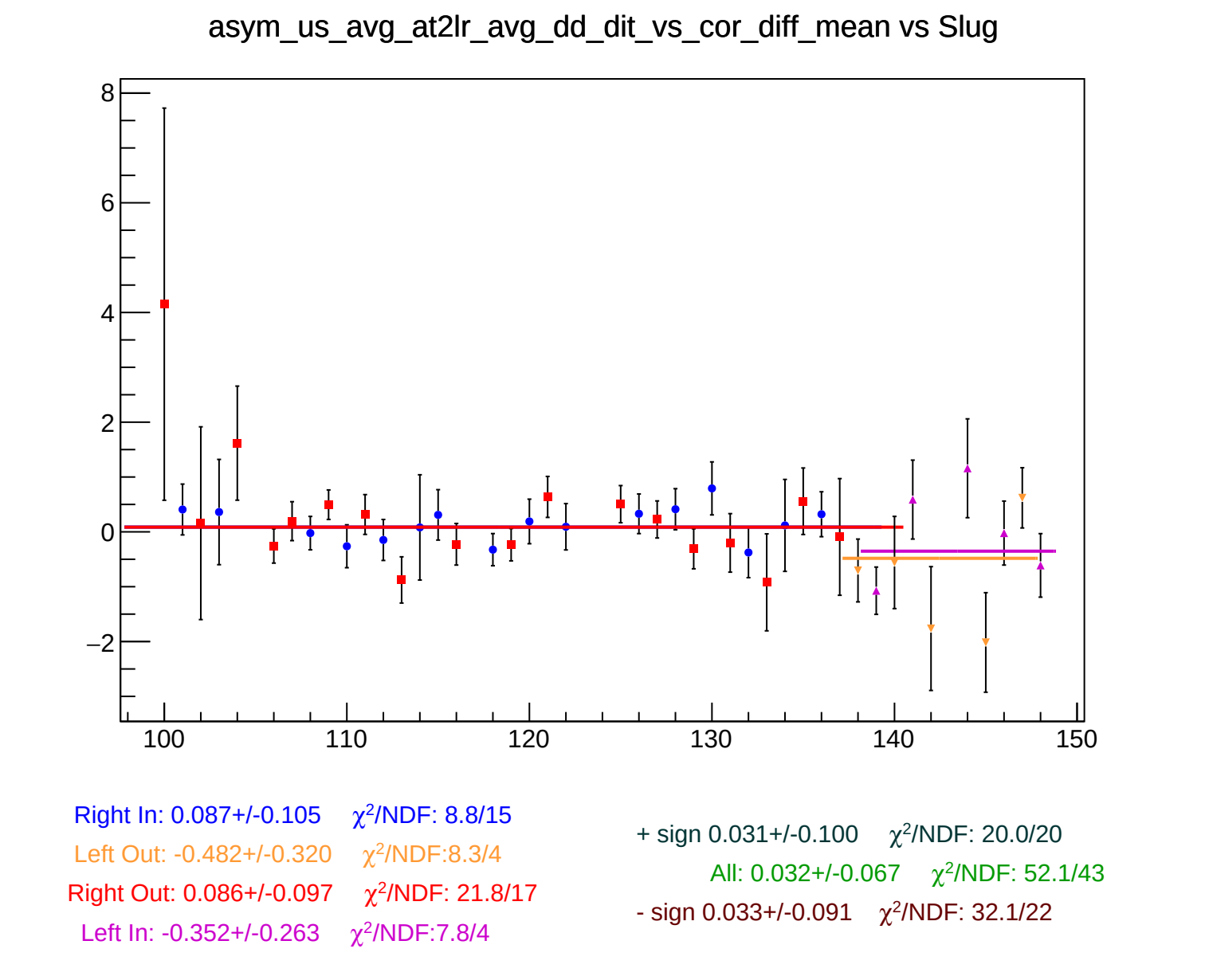
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

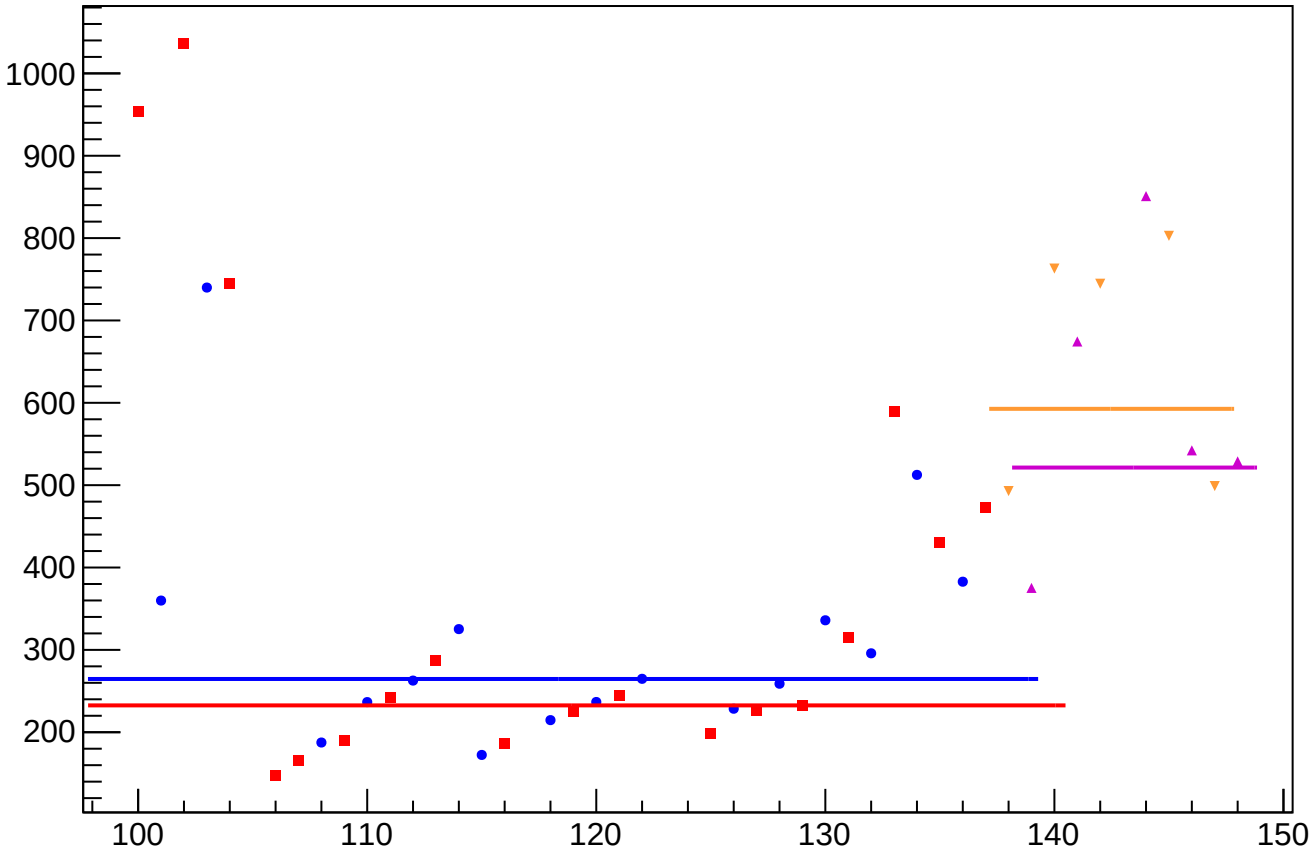
Left In: 0.000+/-0.000 χ^2/NDF:350774.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2155507.8/20

All: 0.000+/-0.000 χ^2/NDF: 4839950.2/43

- sign 0.000+/-0.000 χ^2/NDF: 2666779.3/22


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
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: -0.352+/-0.263 χ²/NDF:7.8/4
+ sign 0.031+/-0.100 χ²/NDF: 20.0/20
All: 0.032+/-0.067 χ²/NDF: 52.1/43
- sign 0.033+/-0.091 χ²/NDF: 32.1/22



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 592.691+/-0.226 χ^2/NDF:344655.1/4

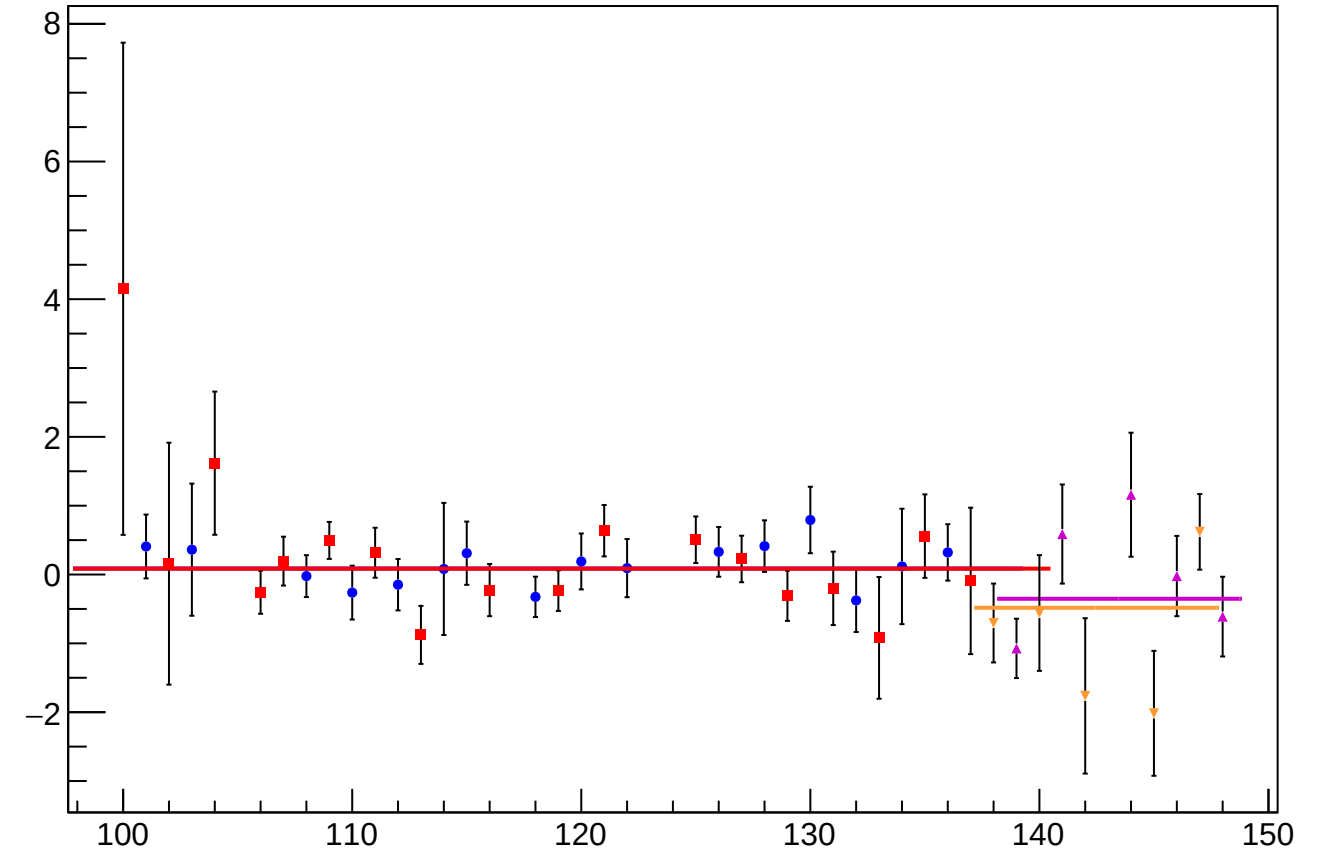
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 521.378+/-0.186 χ^2/NDF:590740.1/4

+ sign 296.633+/-0.071 χ^2/NDF: 3527970.4/20

All: 280.711+/-0.048 χ^2/NDF: 8366297.2/43

- sign 267.397+/-0.065 χ^2/NDF: 4744903.9/22



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

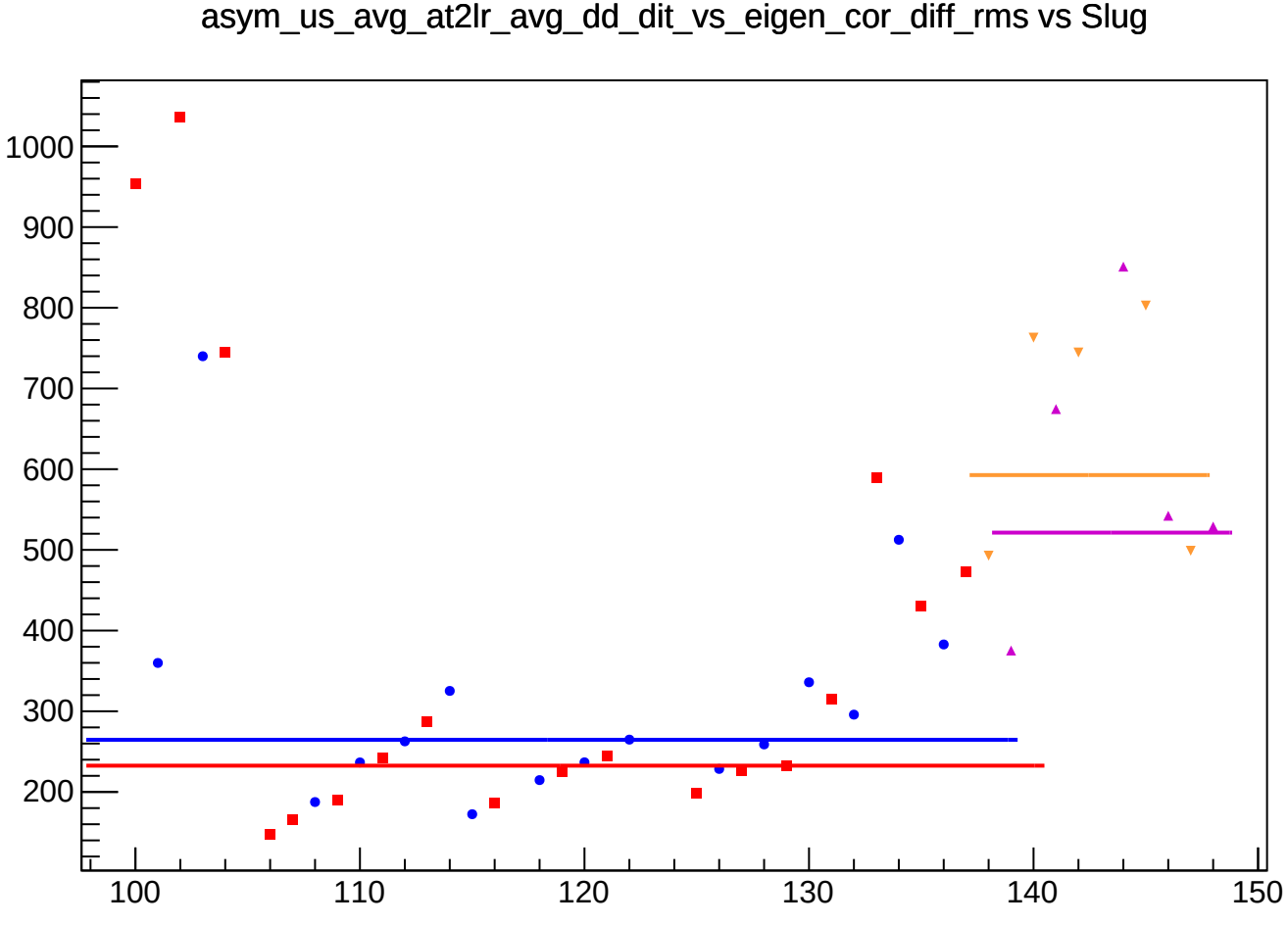
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.032+/-0.067 χ^2/NDF: 52.1/43

- sign 0.033+/-0.091 χ^2/NDF: 32.1/22



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 592.691+/-0.226 χ^2/NDF:344655.1/4

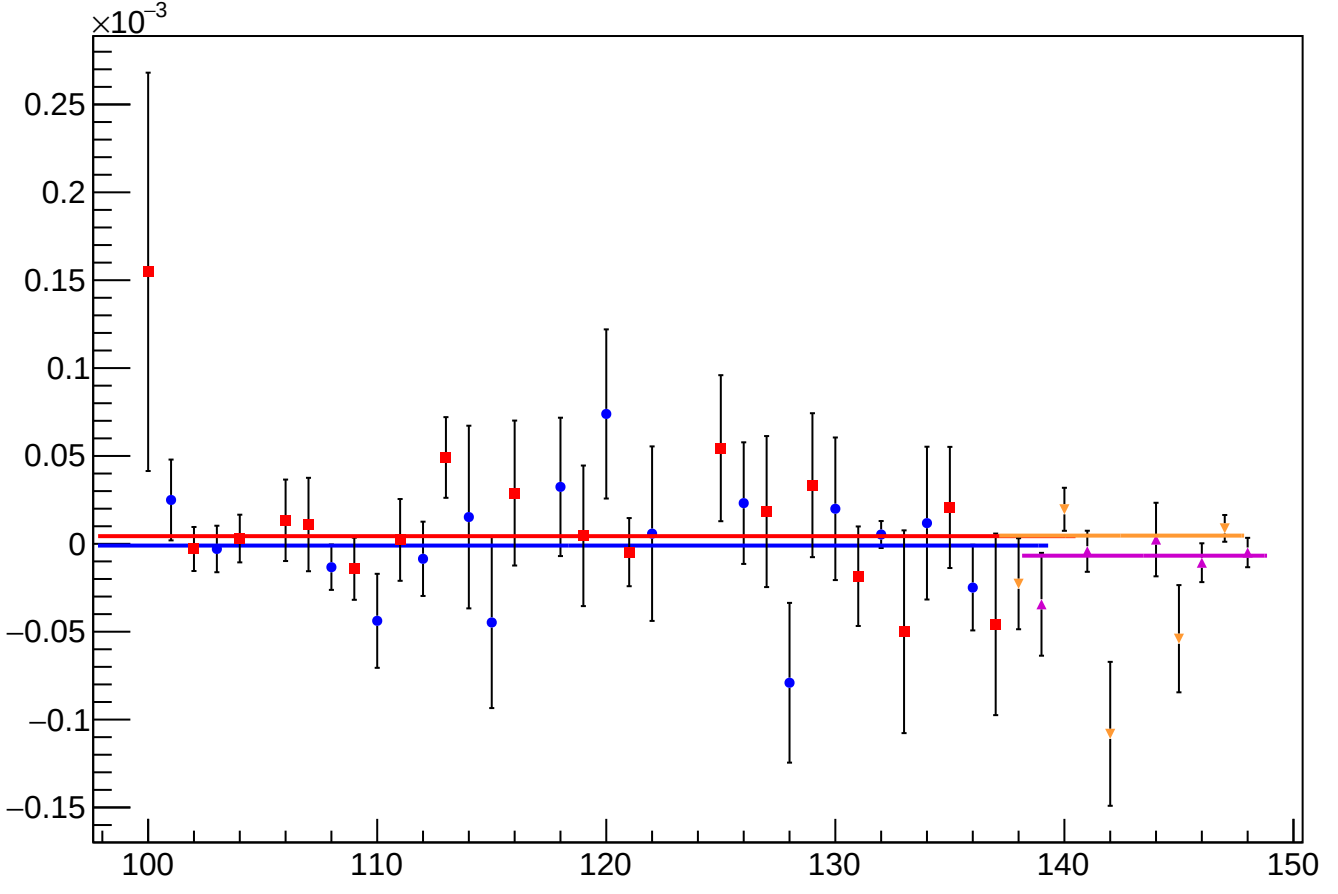
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 521.378+/-0.186 χ^2/NDF:590740.1/4

+ sign 296.633+/-0.071 χ^2/NDF: 3527970.4/20

All: 280.711+/-0.048 χ^2/NDF: 8366297.2/43

- sign 267.397+/-0.065 χ^2/NDF: 4744903.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/4

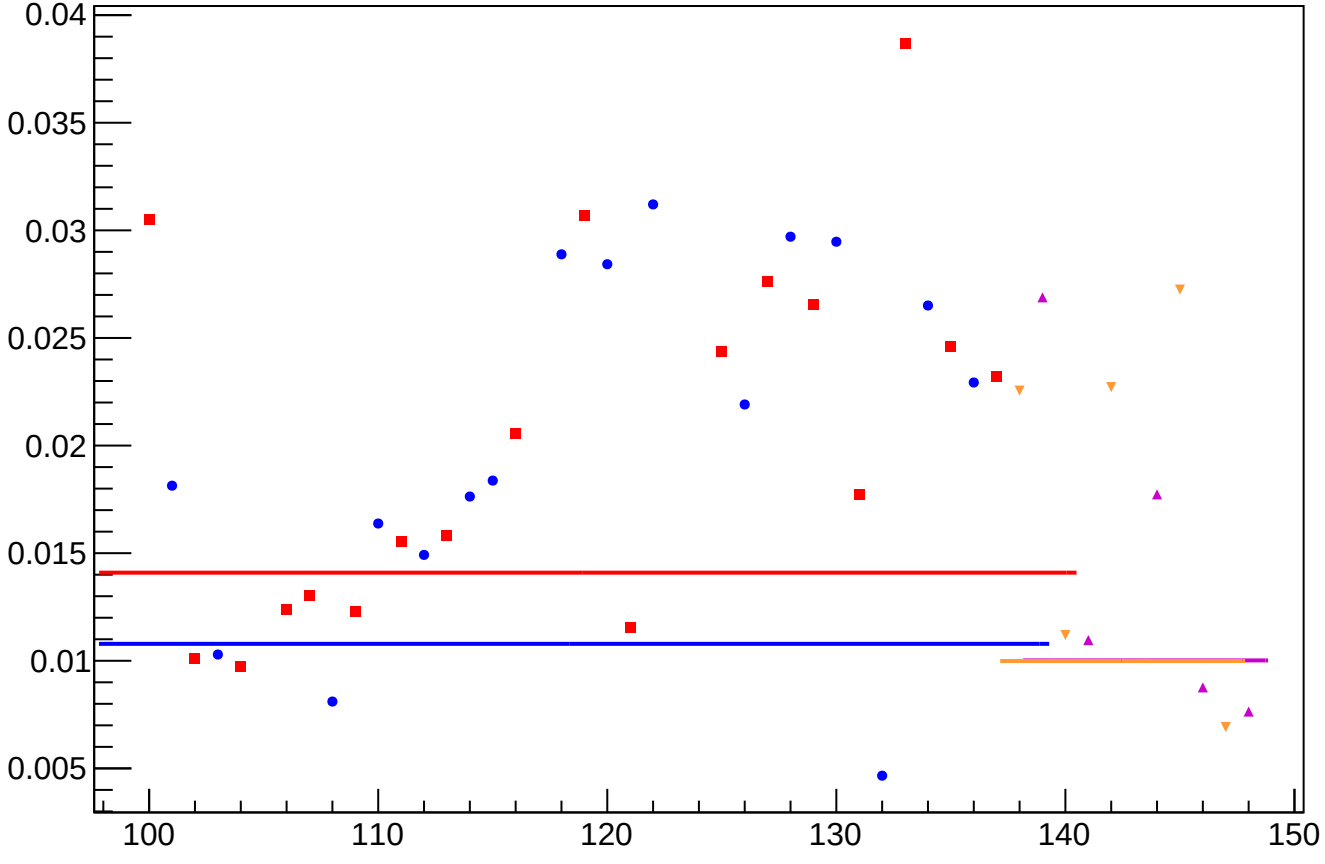
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/20

All: -0.000+/-0.000 χ^2/NDF: 45.2/43

- sign -0.000+/-0.000 χ^2/NDF: 15.8/22



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:1648845.2/4

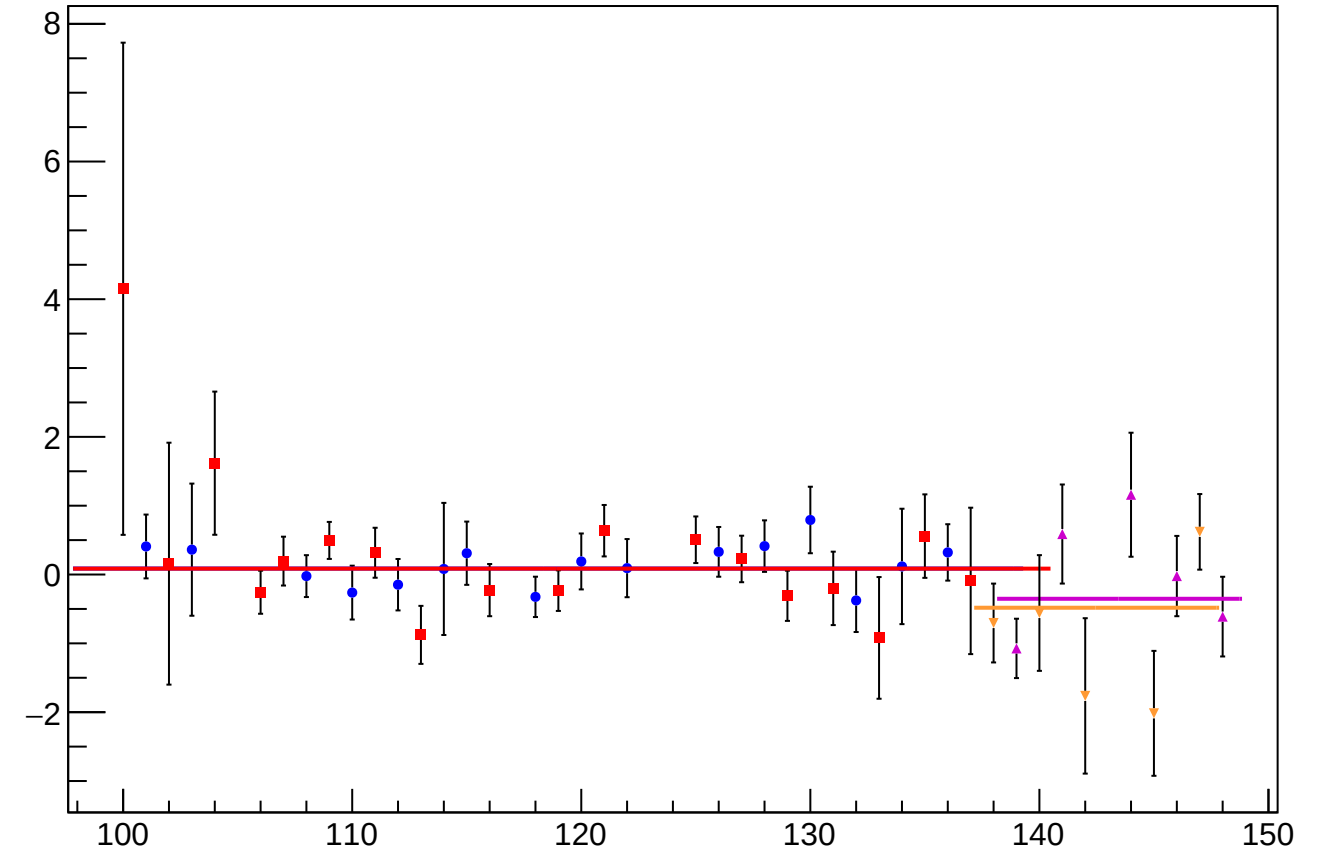
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1137559.5/4

+ sign 0.010+/-0.000 χ^2/NDF: 6249644.5/20

All: 0.011+/-0.000 χ^2/NDF: 10148499.4/43

- sign 0.012+/-0.000 χ^2/NDF: 3751418.0/22



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

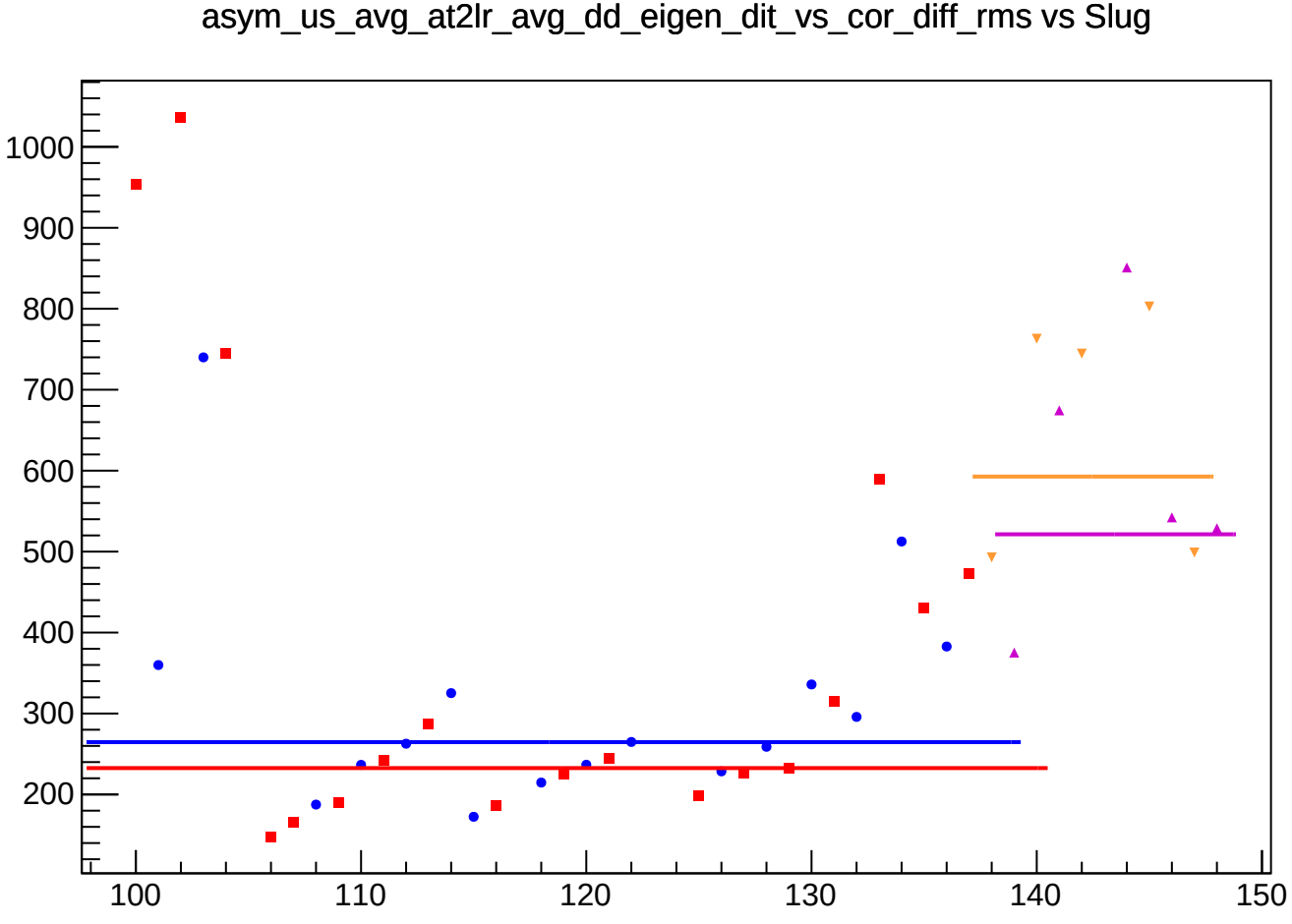
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.032+/-0.067 χ^2/NDF: 52.1/43

- sign 0.033+/-0.091 χ^2/NDF: 32.1/22



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

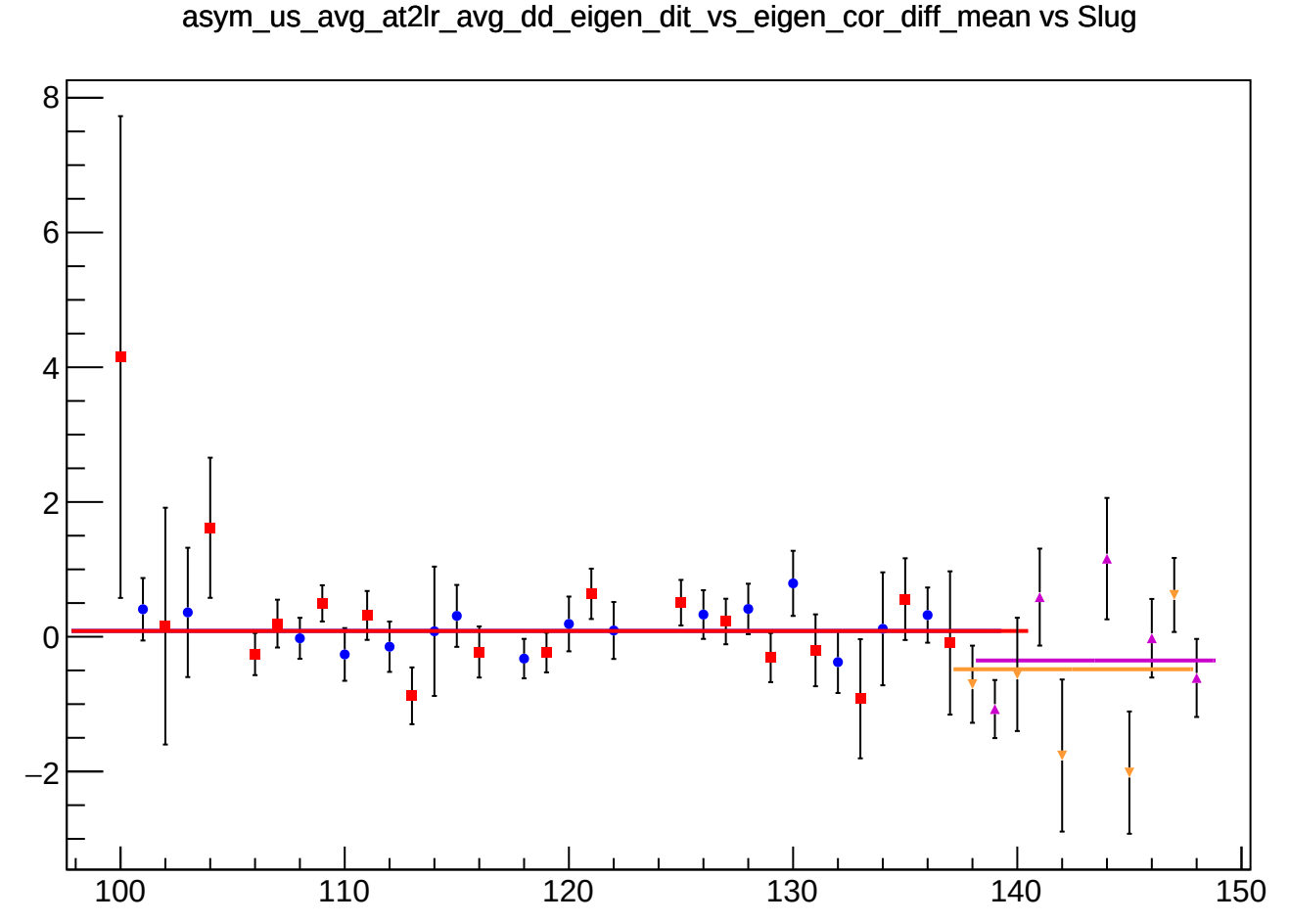
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

+ sign 296.633+/-0.071 χ^2/NDF: 3527983.2/20

All: 280.711+/-0.048 χ^2/NDF: 8366328.9/43

- sign 267.398+/-0.065 χ^2/NDF: 4744929.8/22



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

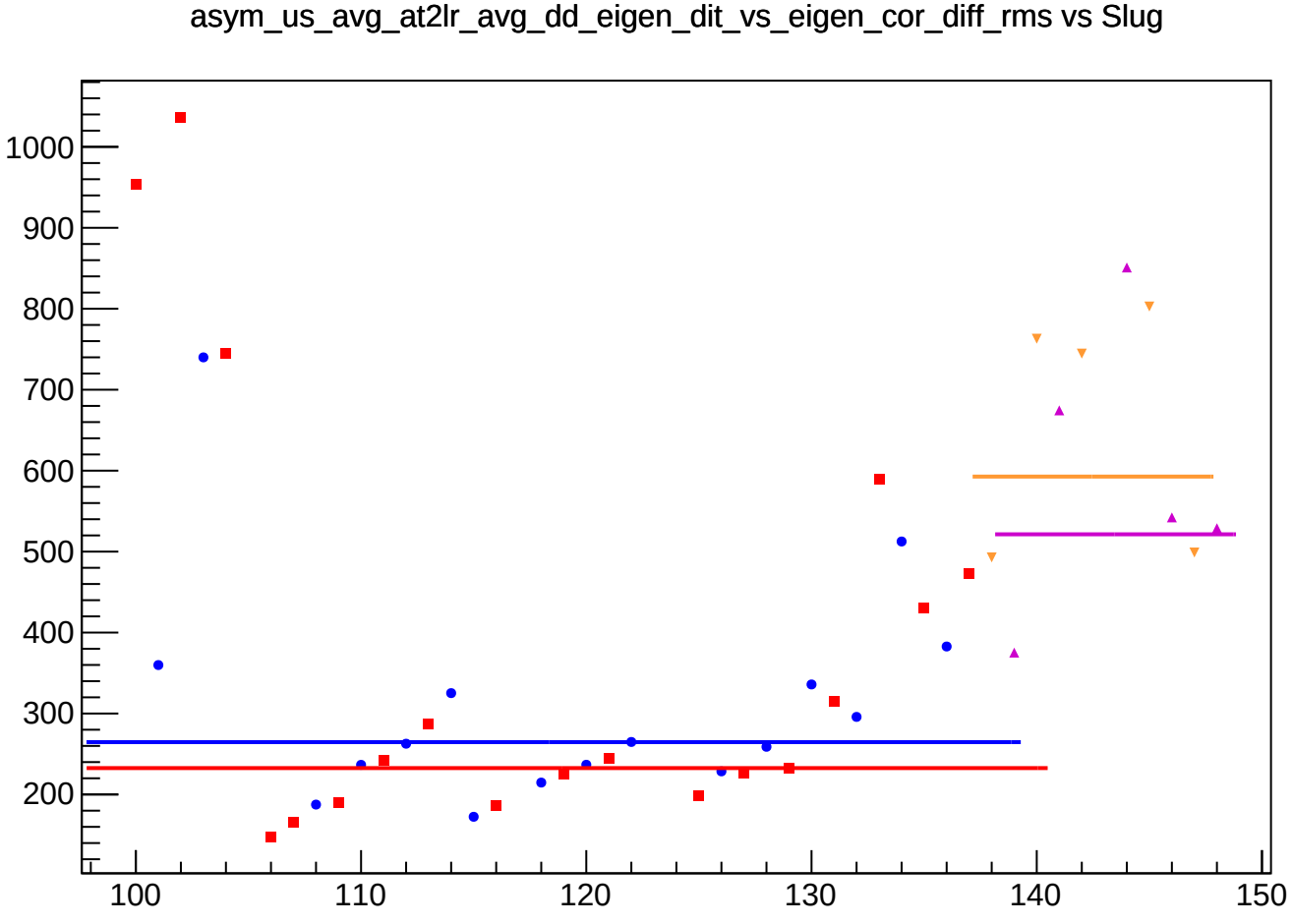
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.031+/-0.100 χ^2/NDF: 20.0/20

All: 0.032+/-0.067 χ^2/NDF: 52.1/43

- sign 0.033+/-0.091 χ^2/NDF: 32.1/22



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

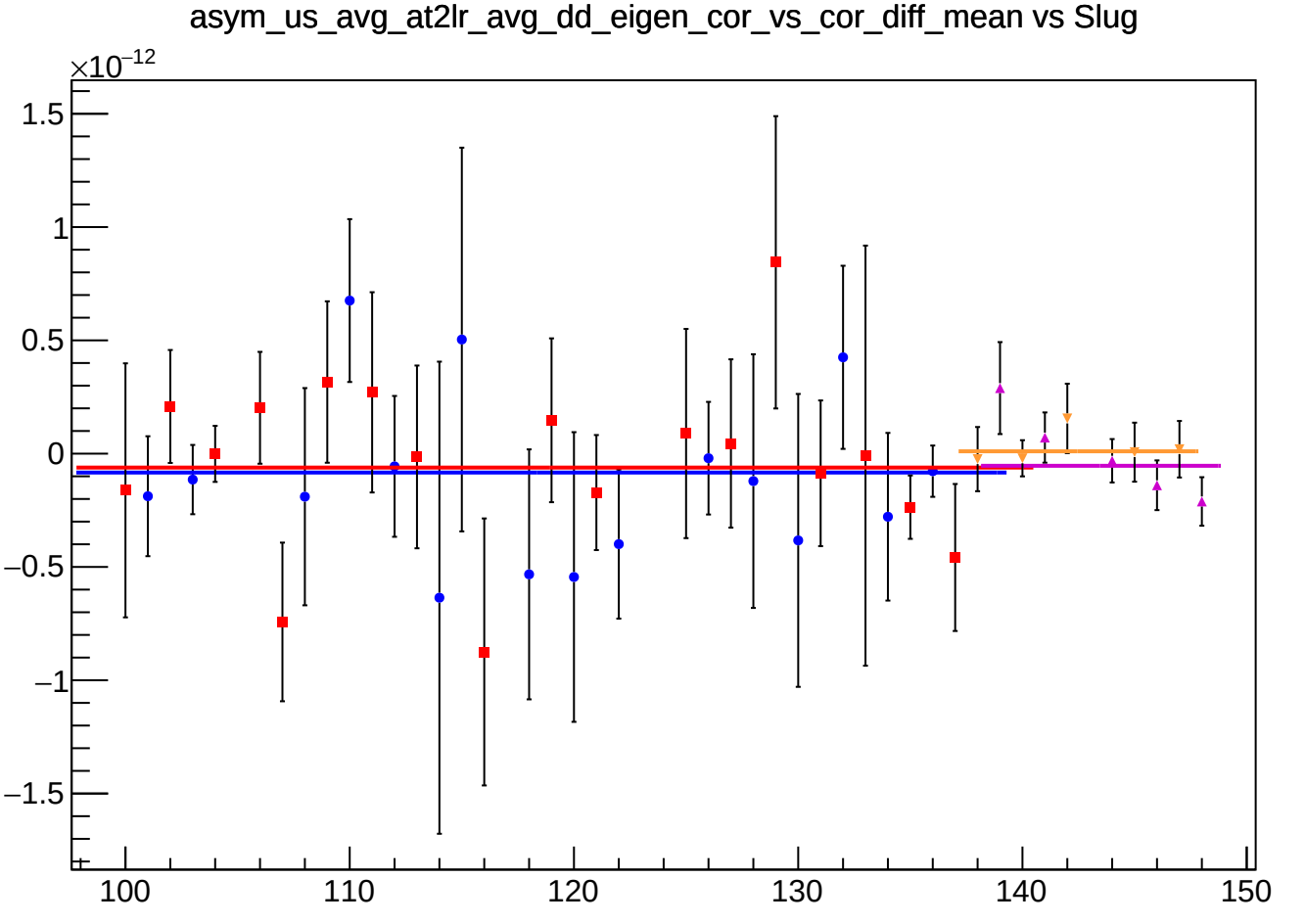
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

+ sign 296.633+/-0.071 χ^2/NDF: 3527983.2/20

All: 280.711+/-0.048 χ^2/NDF: 8366328.9/43

- sign 267.398+/-0.065 χ^2/NDF: 4744929.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

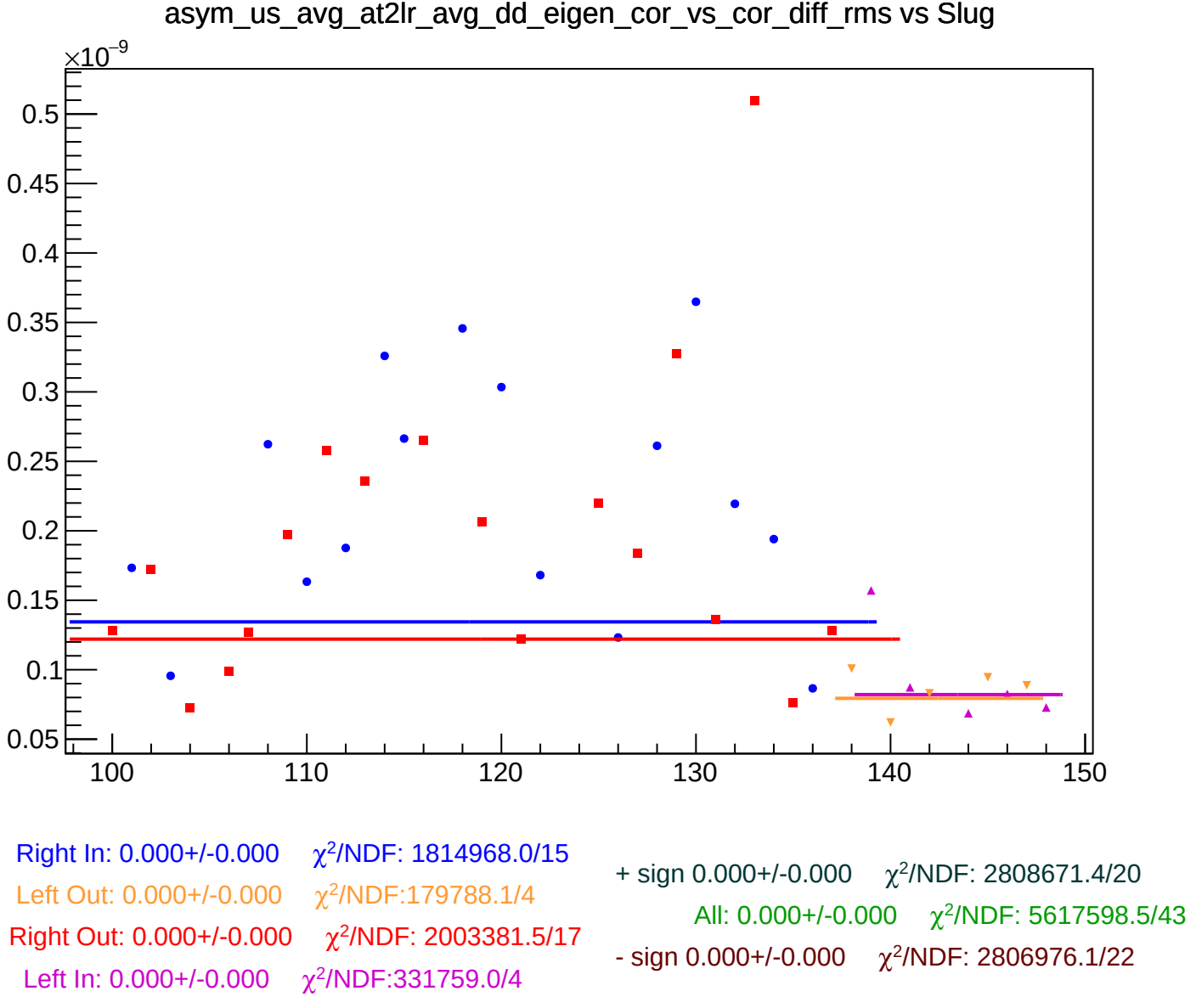
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

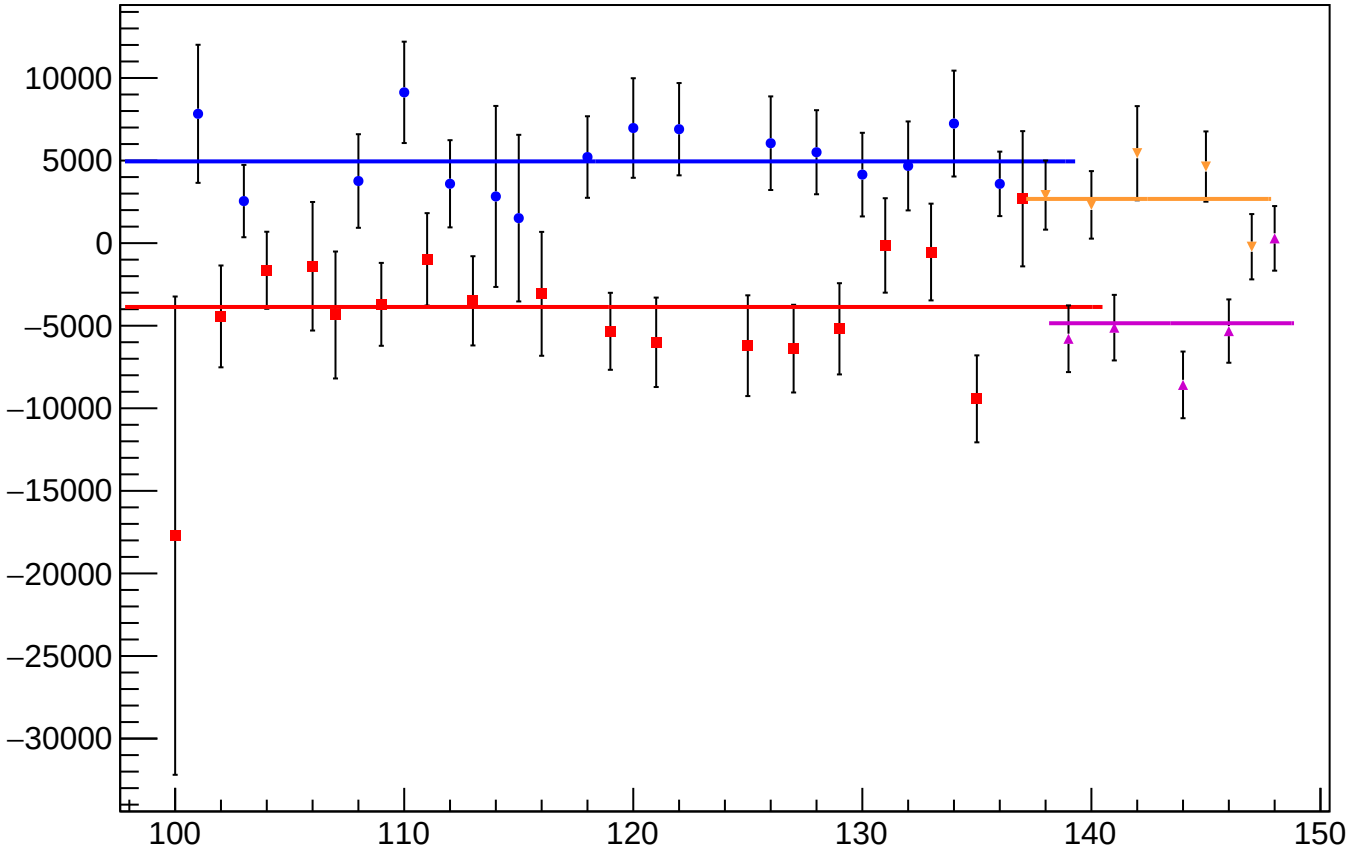
+ sign -0.000+/-0.000 χ^2/NDF: 12.0/20

All: -0.000+/-0.000 χ^2/NDF: 35.0/43

- sign -0.000+/-0.000 χ^2/NDF: 22.7/22


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:179788.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:331759.0/4
+ sign 0.000+/-0.000 χ²/NDF: 2808671.4/20
All: 0.000+/-0.000 χ²/NDF: 5617598.5/43
- sign 0.000+/-0.000 χ²/NDF: 2806976.1/22

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



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

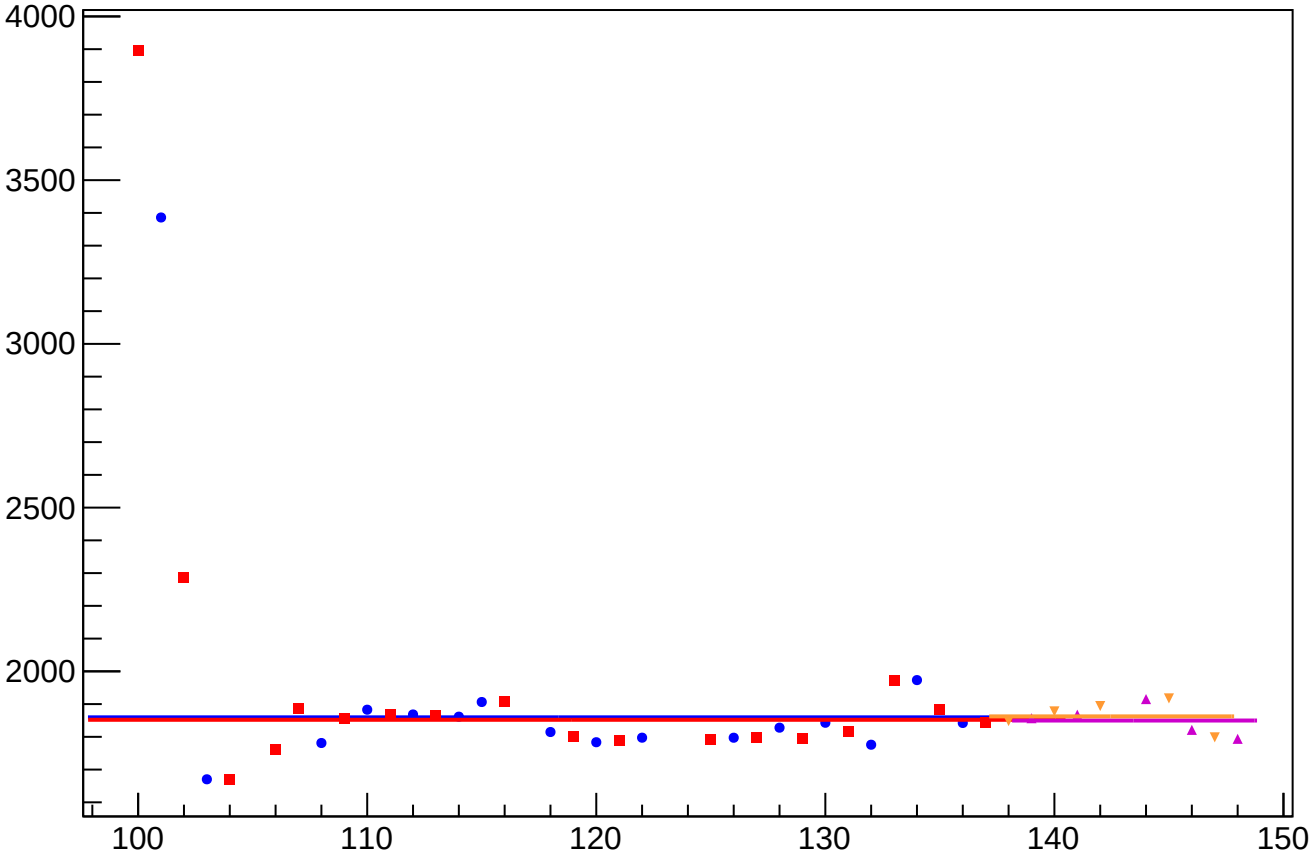
Left In: -4850.330+/-884.702 χ^2/NDF:10.6/4

+ sign 4171.261+/-566.642 χ^2/NDF: 14.4/20

All: -184.231+/-393.514 χ^2/NDF: 156.1/43

- sign -4241.633+/-546.907 χ^2/NDF: 27.6/22

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

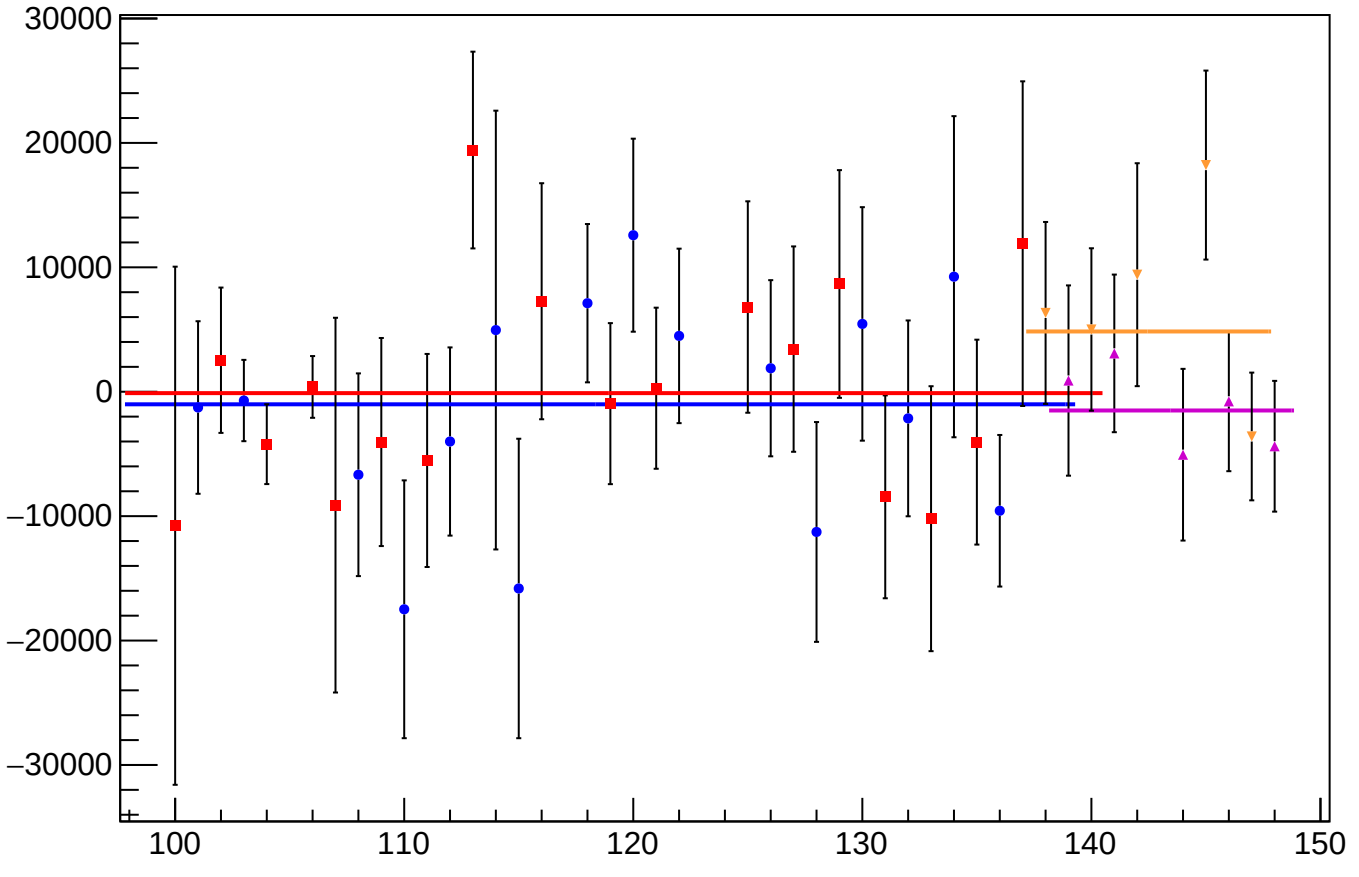
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1860.516+/-0.401 χ^2/NDF: 296228.5/20

All: 1855.687+/-0.278 χ^2/NDF: 403093.0/43

- sign 1851.205+/-0.386 χ^2/NDF: 106584.4/22



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4844.027+/-3016.410 χ^2/NDF:6.1/4

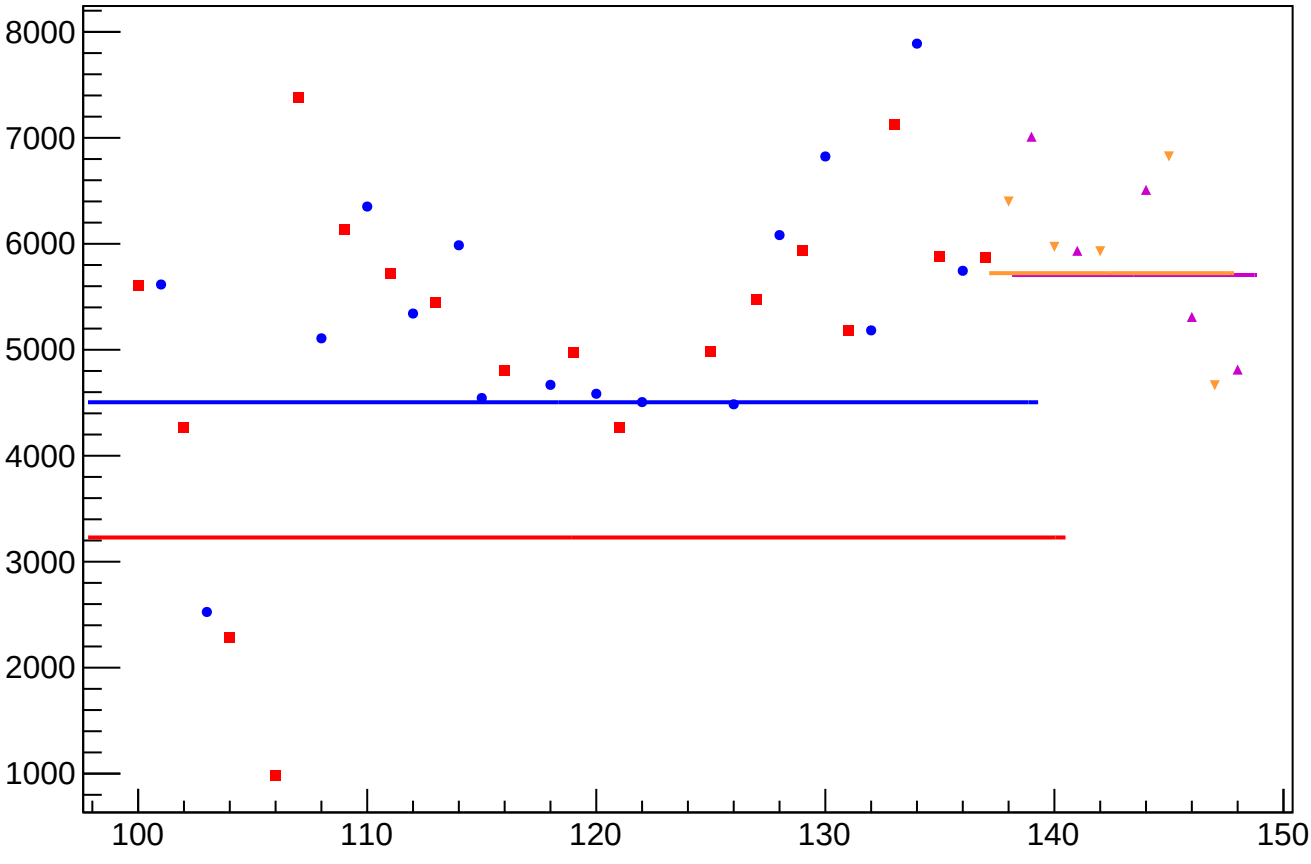
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1506.761+/-2763.288 χ^2/NDF:1.2/4

\+ sign 481.849+/-1522.848 χ^2/NDF: 23.6/20

All: -41.437+/-978.035 χ^2/NDF: 39.9/43

\- sign -408.810+/-1275.971 χ^2/NDF: 16.0/22



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

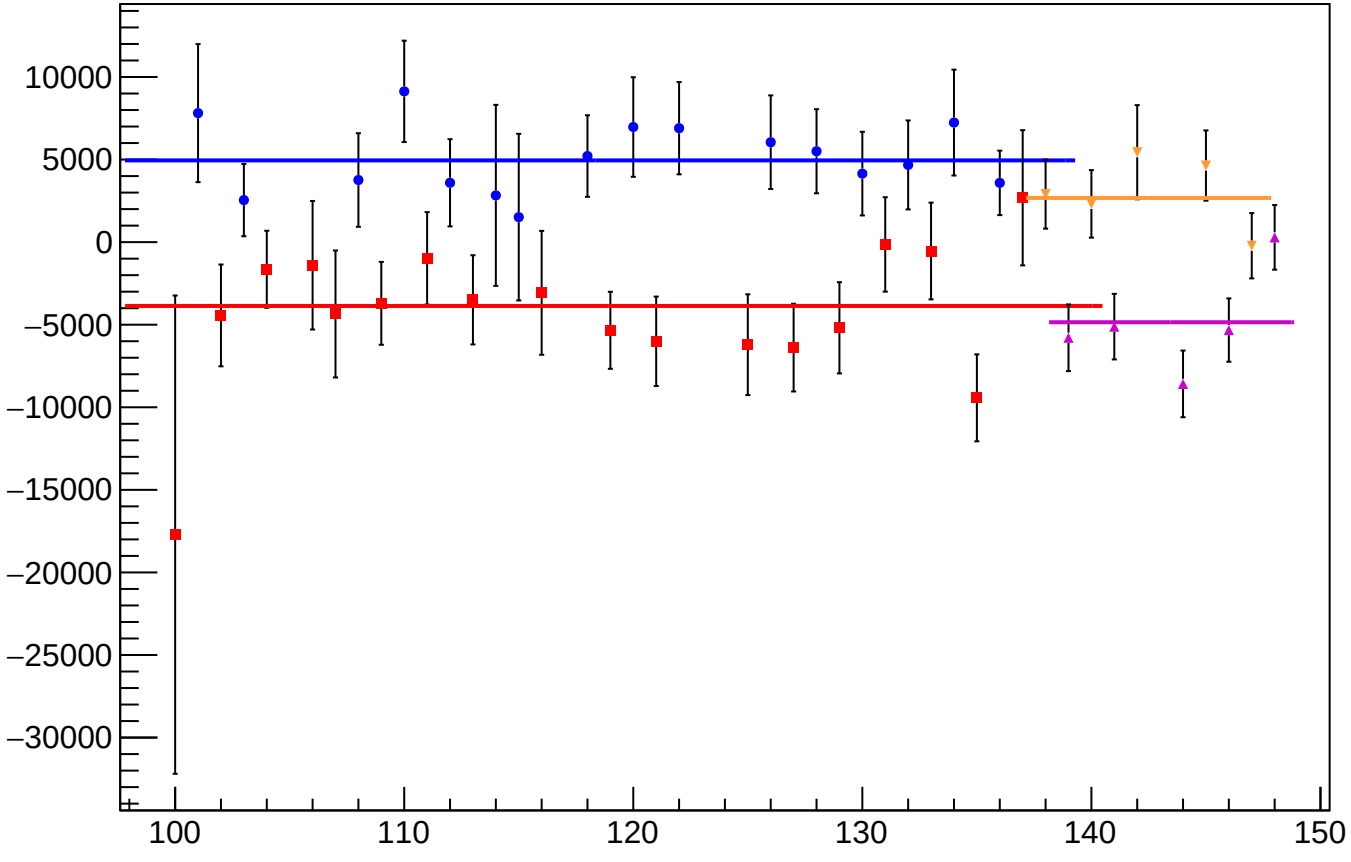
Left In: 5705.856+/-1.954 χ^2/NDF:155621.7/4

+ sign 4815.279+/-1.077 χ^2/NDF: 1712243.6/20

All: 4193.398+/-0.692 χ^2/NDF: 7656592.6/43

- sign 3756.806+/-0.902 χ^2/NDF: 5376669.2/22

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

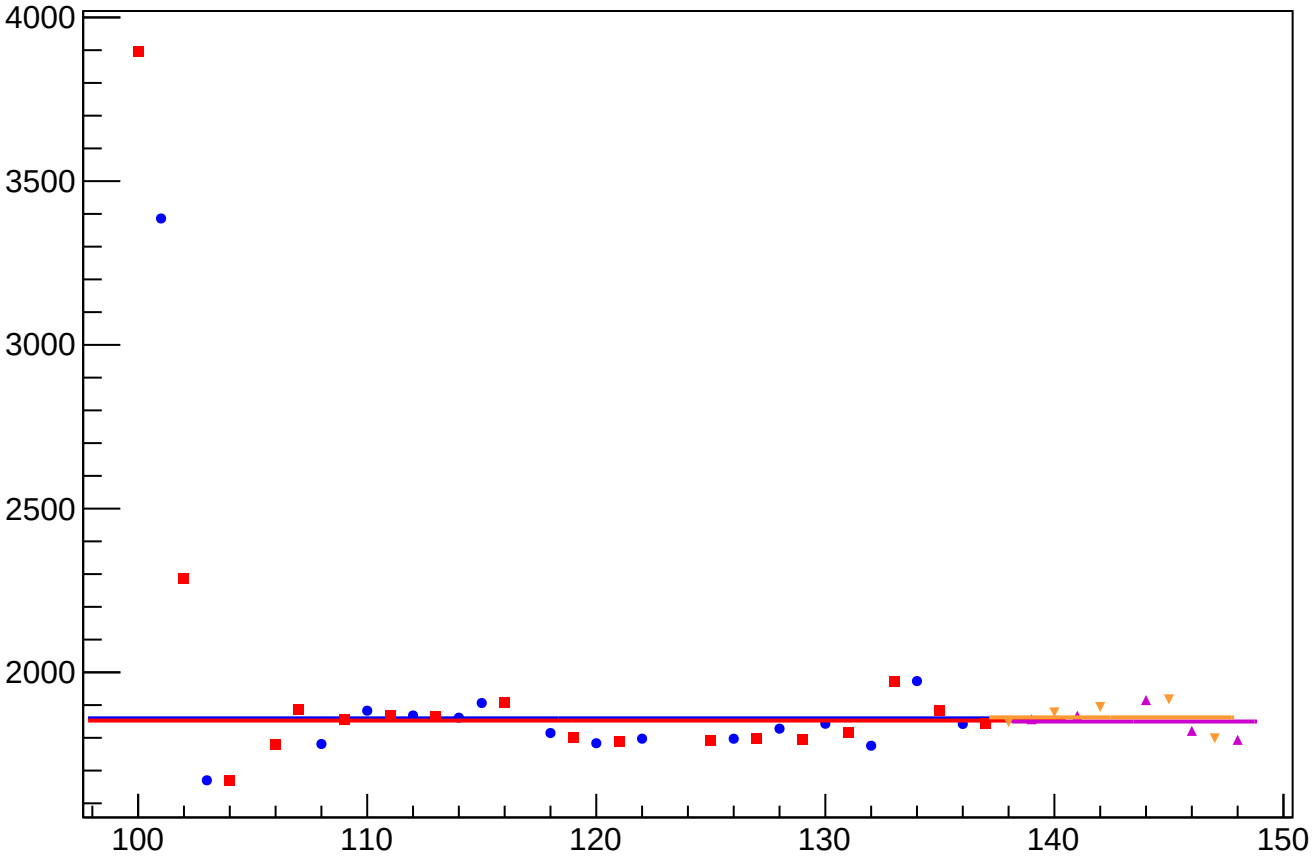
Left In: -4850.656+/-884.702 χ^2/NDF:10.6/4

+ sign 4170.940+/-566.642 χ^2/NDF: 14.4/20

All: -184.383+/-393.514 χ^2/NDF: 156.1/43

- sign -4241.625+/-546.908 χ^2/NDF: 27.6/22

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

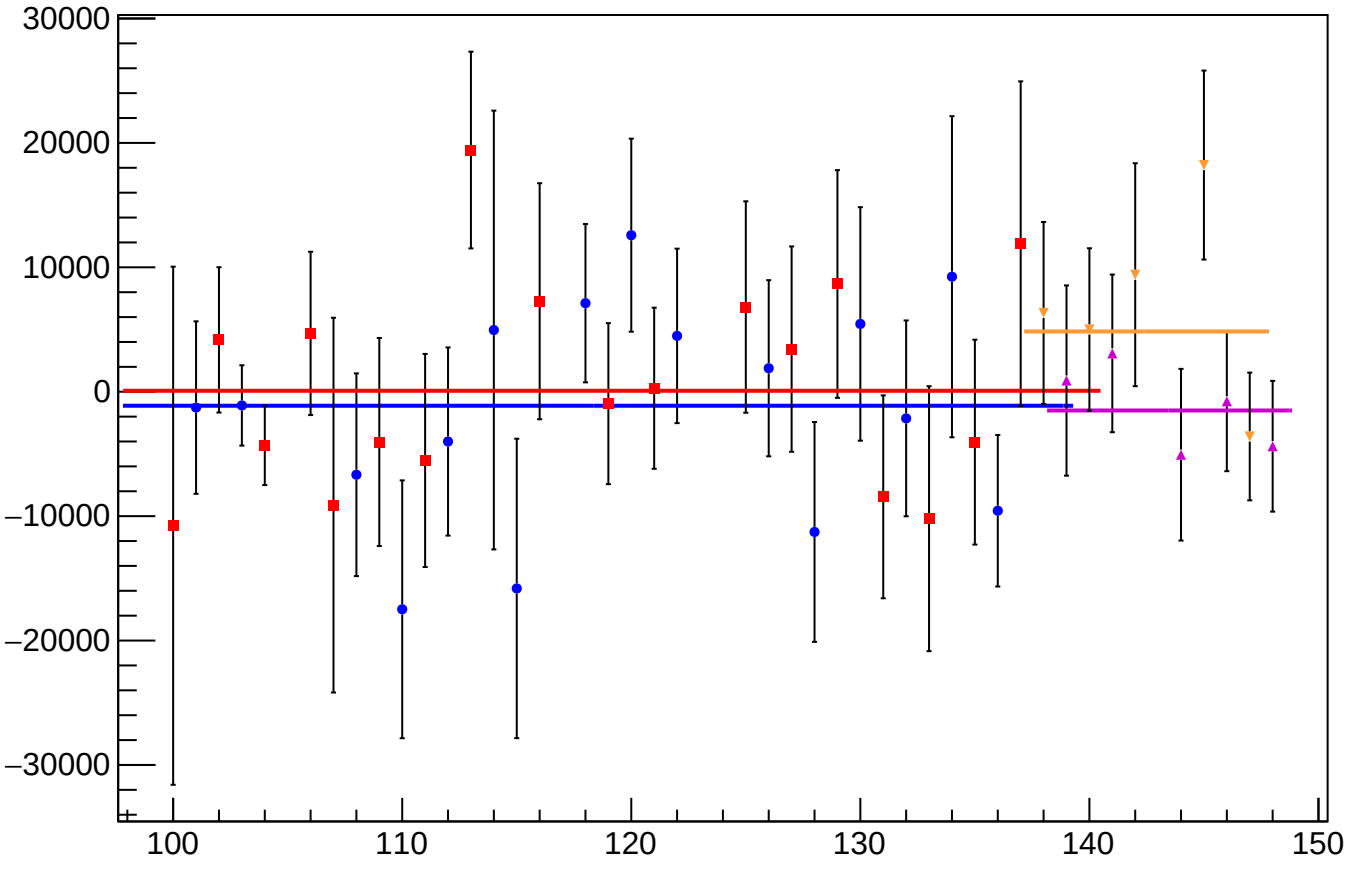
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1860.516+/-0.401 χ^2/NDF: 296230.4/20

All: 1855.914+/-0.278 χ^2/NDF: 402613.0/43

- sign 1851.641+/-0.386 χ^2/NDF: 106128.2/22



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

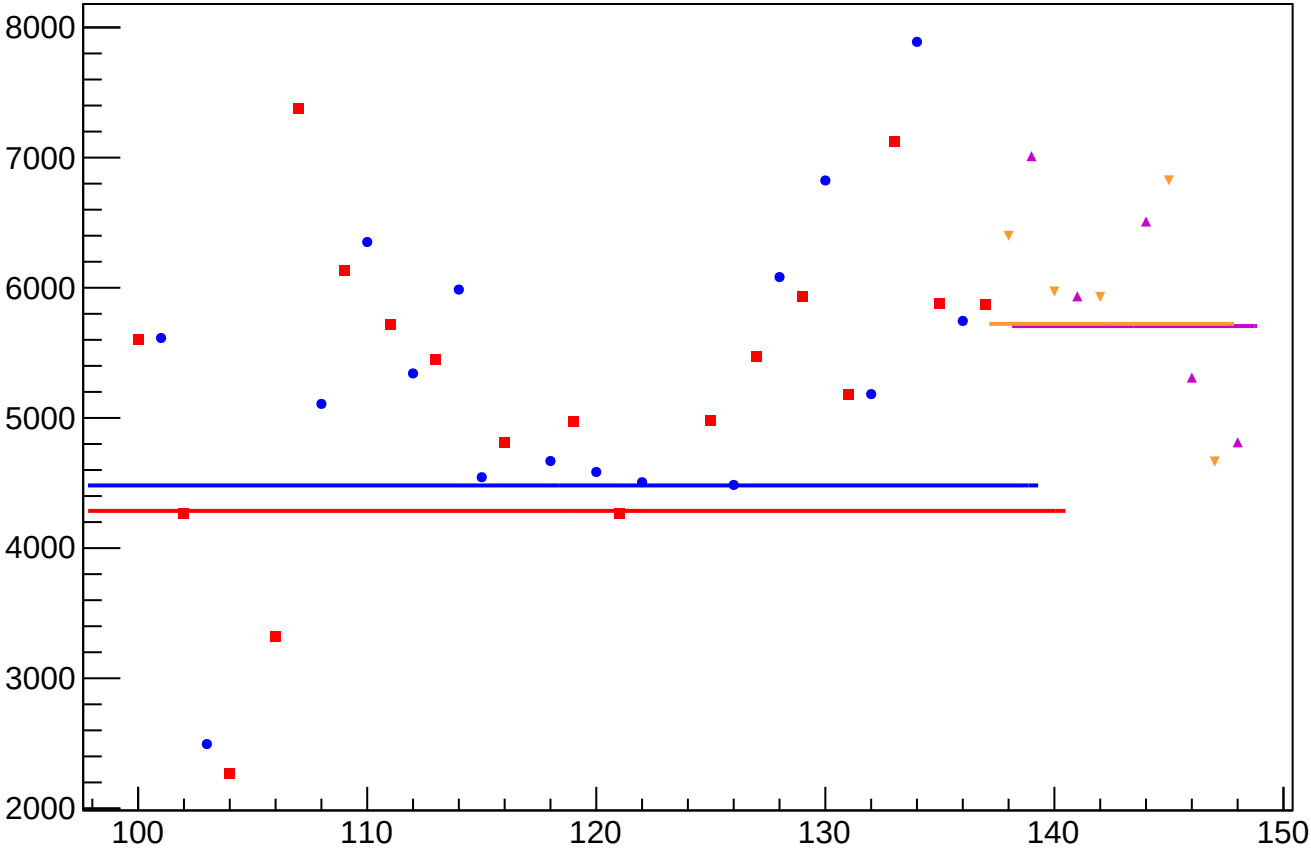
Left In: -1506.824+/-2763.286 χ^2/NDF:1.2/4

+ sign 387.849+/-1518.788 χ^2/NDF: 23.8/20

All: -2.412+/-1048.568 χ^2/NDF: 40.9/43

- sign -357.848+/-1449.441 χ^2/NDF: 17.0/22

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

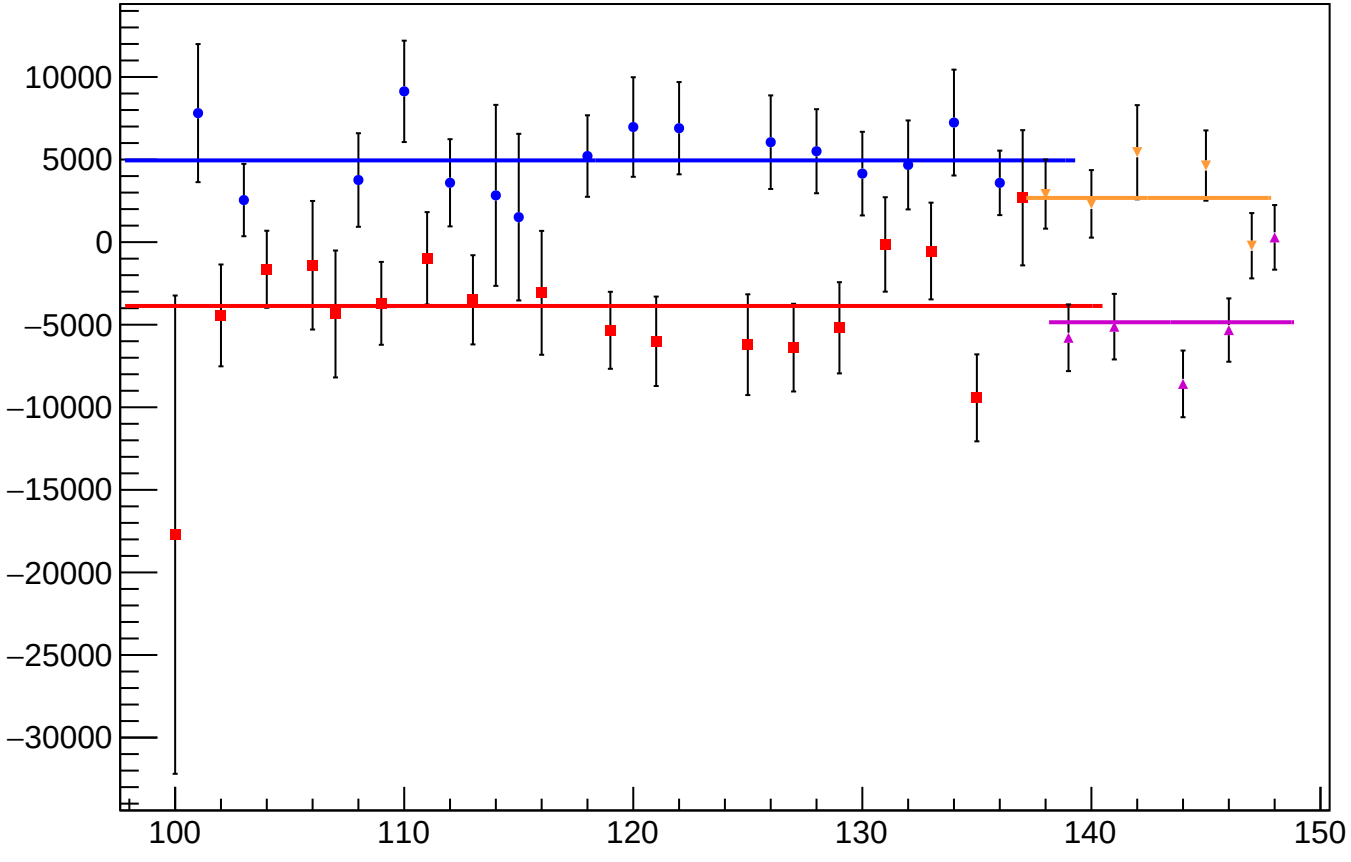
Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

+ sign 4796.254+/-1.074 χ^2/NDF: 1763223.5/20

All: 4733.709+/-0.741 χ^2/NDF: 3857866.6/43

- sign 4676.745+/-1.025 χ^2/NDF: 2088162.2/22

eigen_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

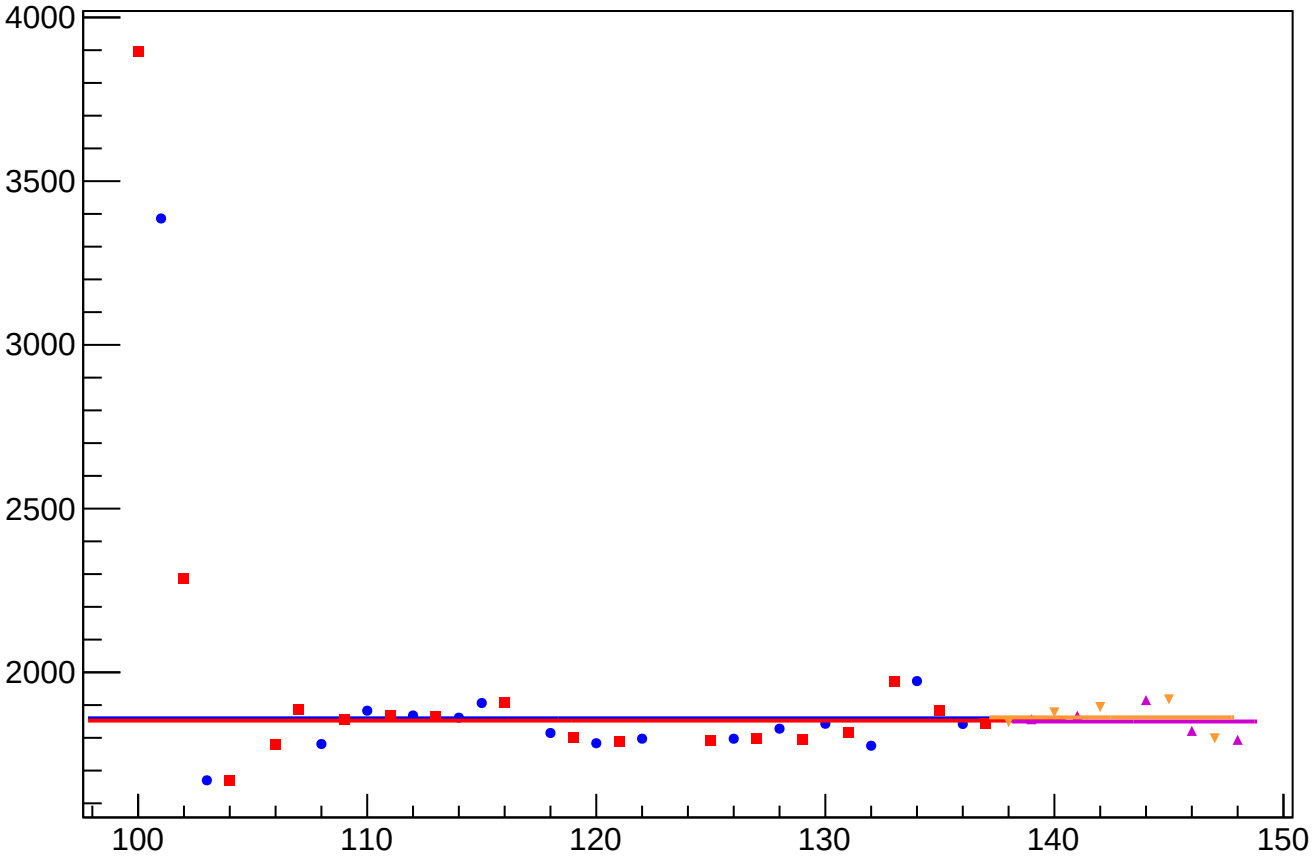
Left In: -4850.656+/-884.702 χ^2/NDF:10.6/4

+ sign 4170.940+/-566.642 χ^2/NDF: 14.4/20

All: -184.383+/-393.514 χ^2/NDF: 156.1/43

- sign -4241.625+/-546.908 χ^2/NDF: 27.6/22

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

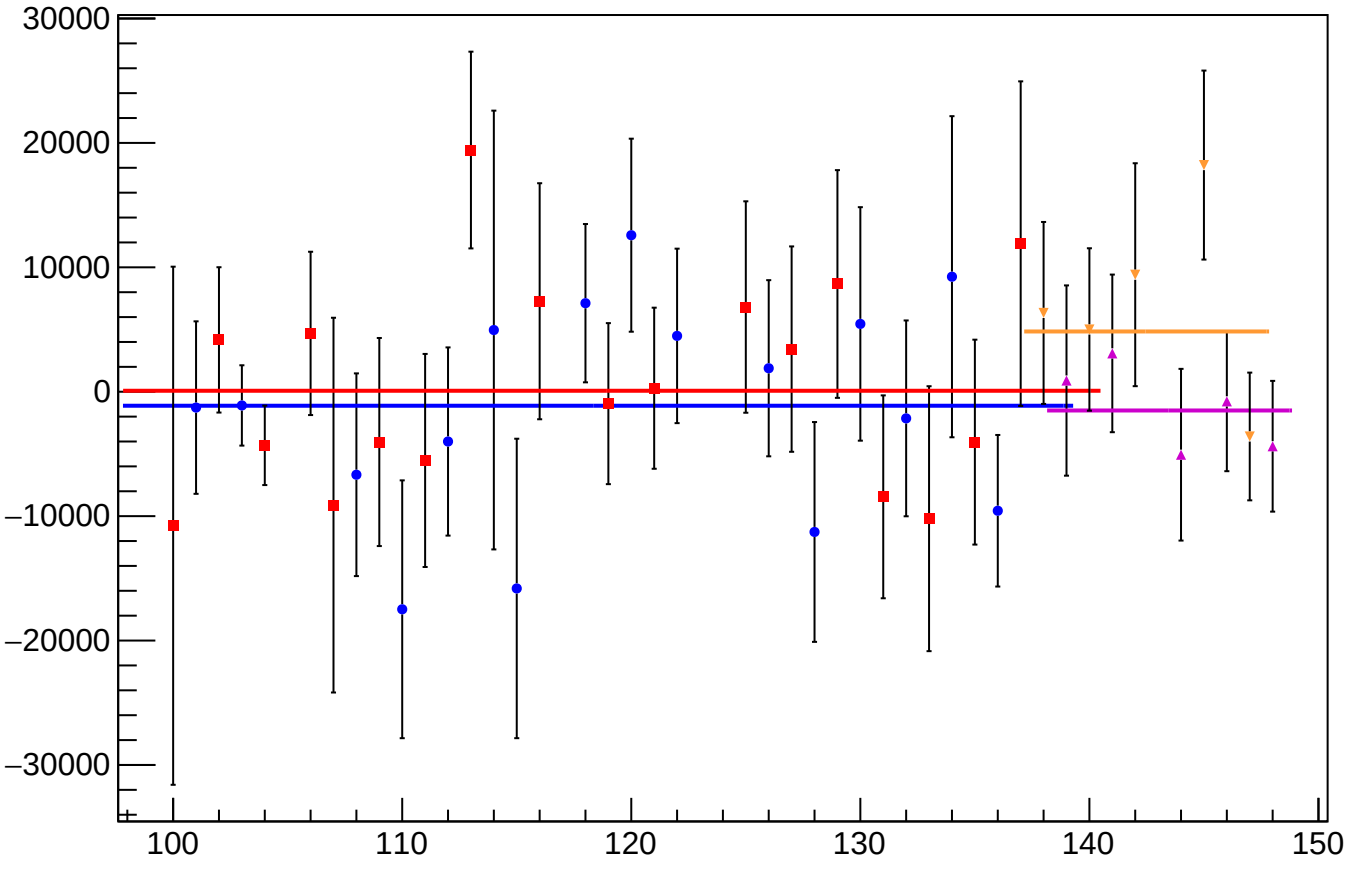
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1860.516+/-0.401 χ^2/NDF: 296230.4/20

All: 1855.914+/-0.278 χ^2/NDF: 402613.0/43

- sign 1851.641+/-0.386 χ^2/NDF: 106128.2/22



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

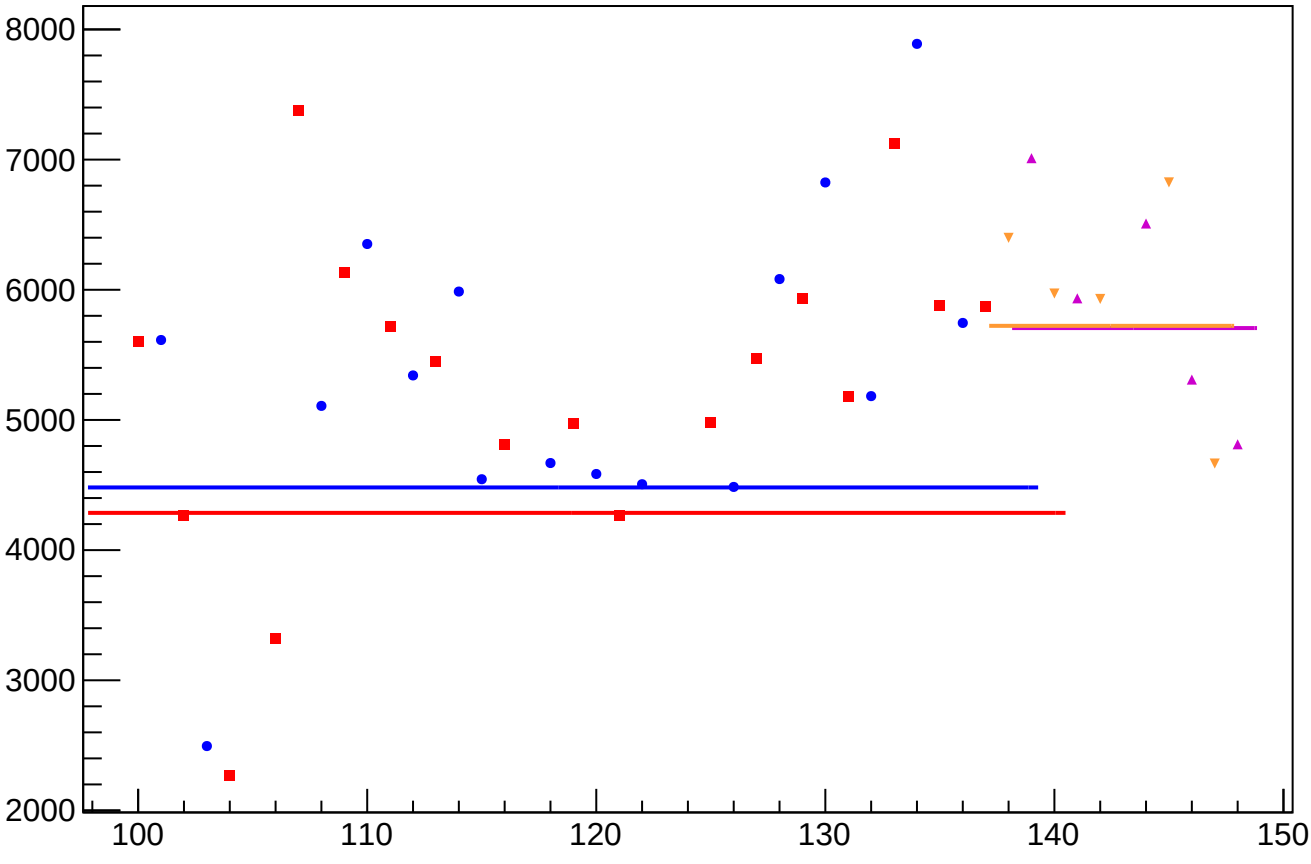
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1506.824+/-2763.286 χ^2/NDF:1.2/4

+ sign 387.849+/-1518.788 χ^2/NDF: 23.8/20

All: -2.412+/-1048.568 χ^2/NDF: 40.9/43

- sign -357.848+/-1449.441 χ^2/NDF: 17.0/22



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

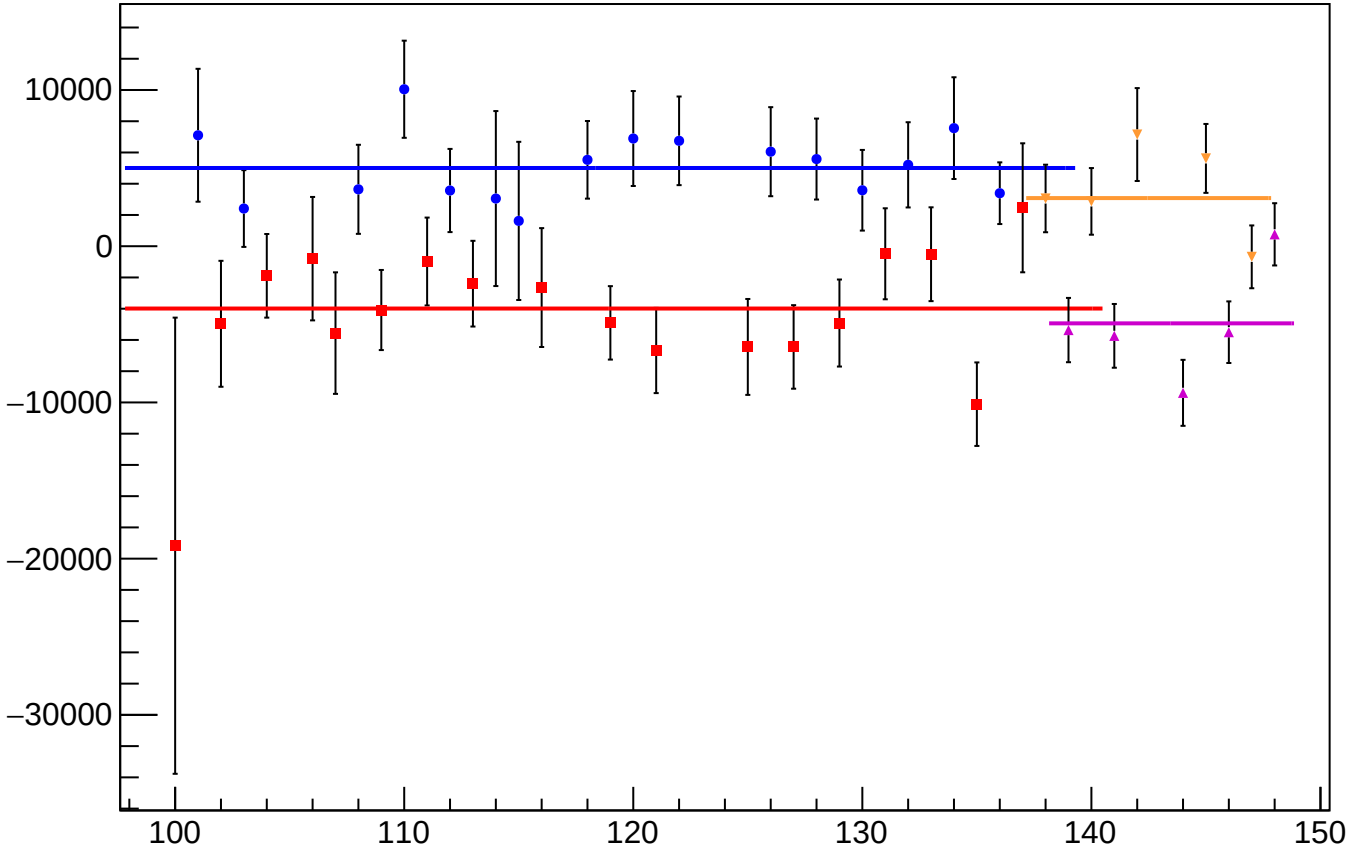
Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

+ sign 4796.254+/-1.074 χ^2/NDF: 1763223.5/20

All: 4733.709+/-0.741 χ^2/NDF: 3857866.6/43

- sign 4676.745+/-1.025 χ^2/NDF: 2088162.2/22

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

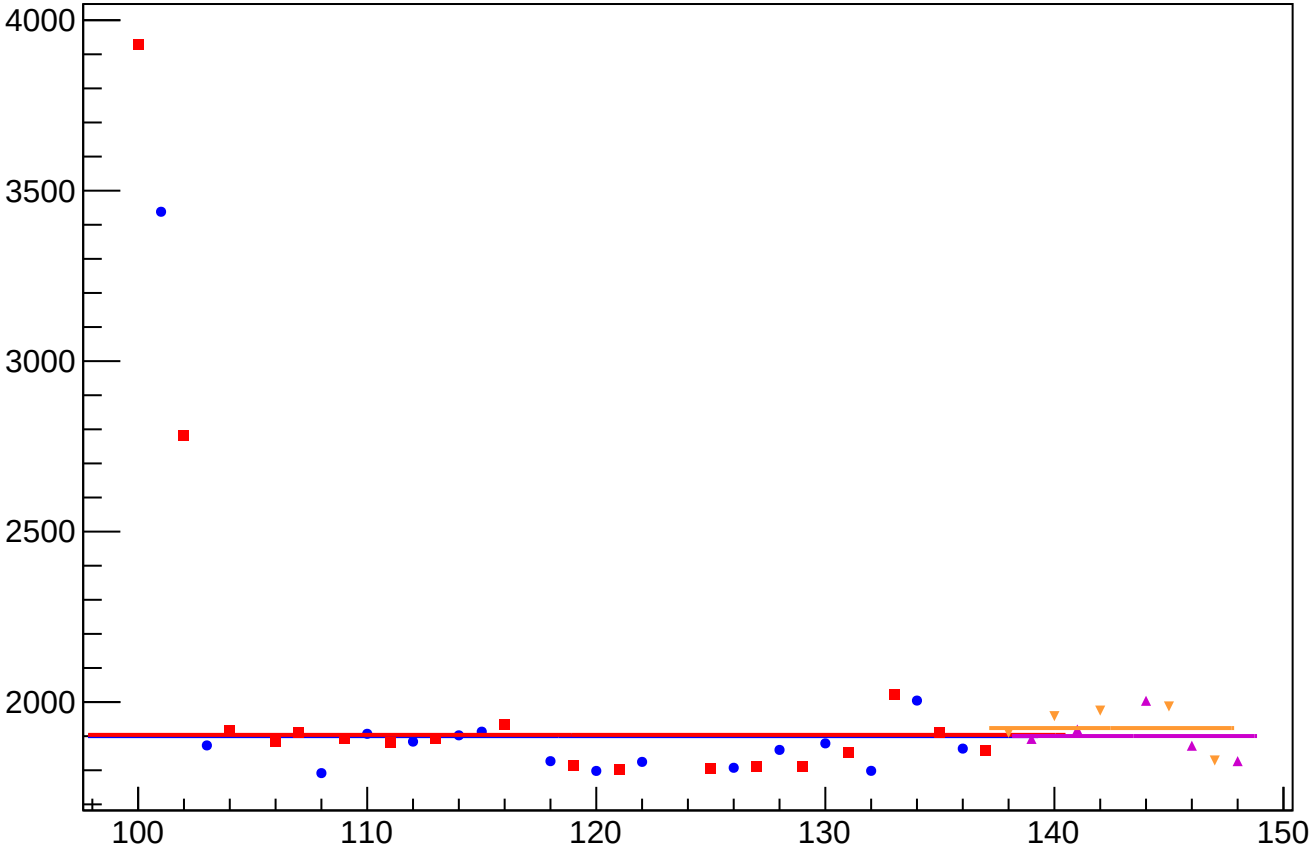
Left In: -4937.998+/-909.213 χ^2/NDF:12.9/4

+ sign 4356.938+/-581.146 χ^2/NDF: 16.8/20

All: -129.217+/-404.727 χ^2/NDF: 163.5/43

- sign -4354.261+/-563.980 χ^2/NDF: 30.9/22

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

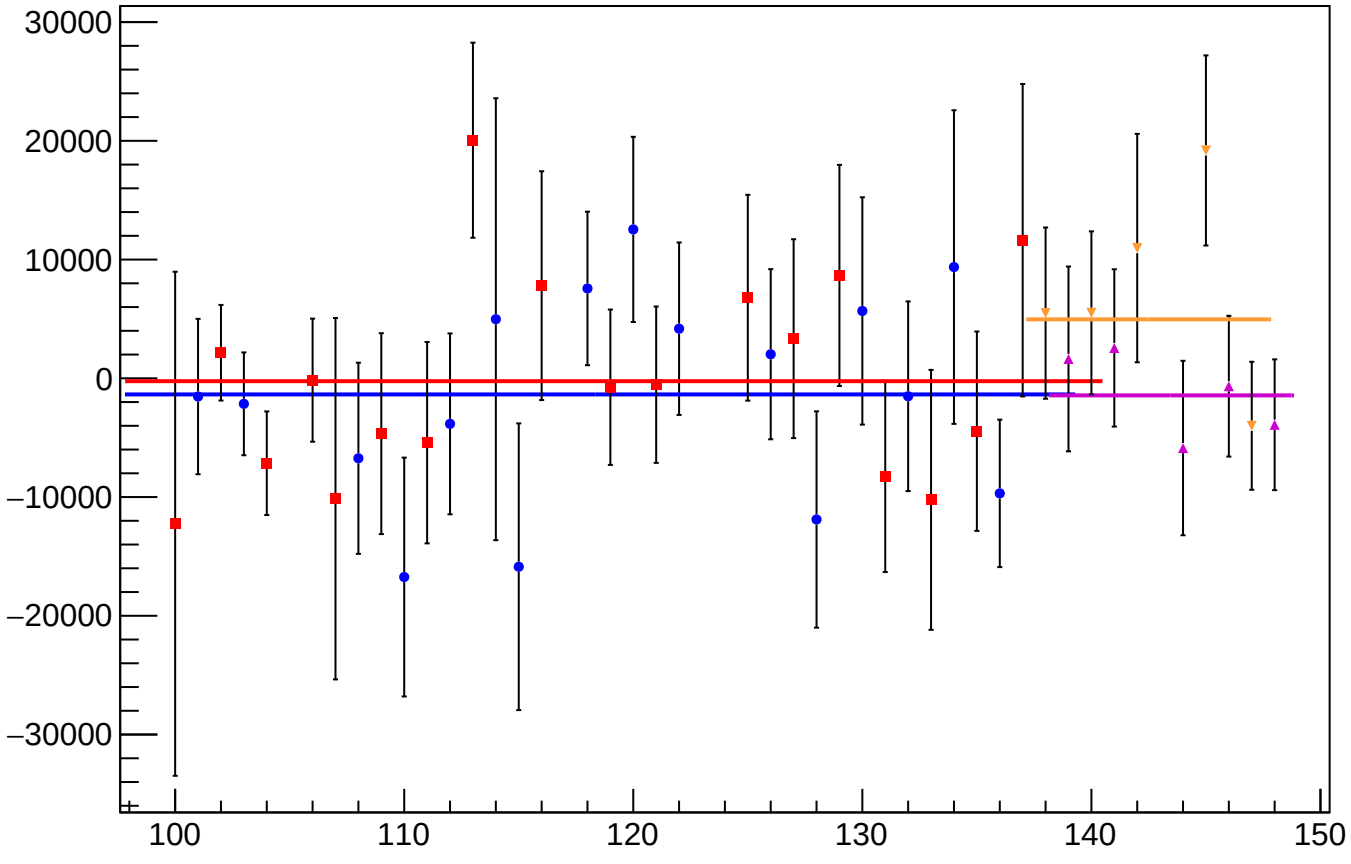
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1900.369+/-0.643 χ^2/NDF:8151.5/4

+ sign 1908.097+/-0.411 χ^2/NDF: 286523.6/20

All: 1905.212+/-0.286 χ^2/NDF: 444904.3/43

- sign 1902.498+/-0.399 χ^2/NDF: 158285.1/22



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 4965.624+/-3141.802 χ^2/NDF:6.3/4

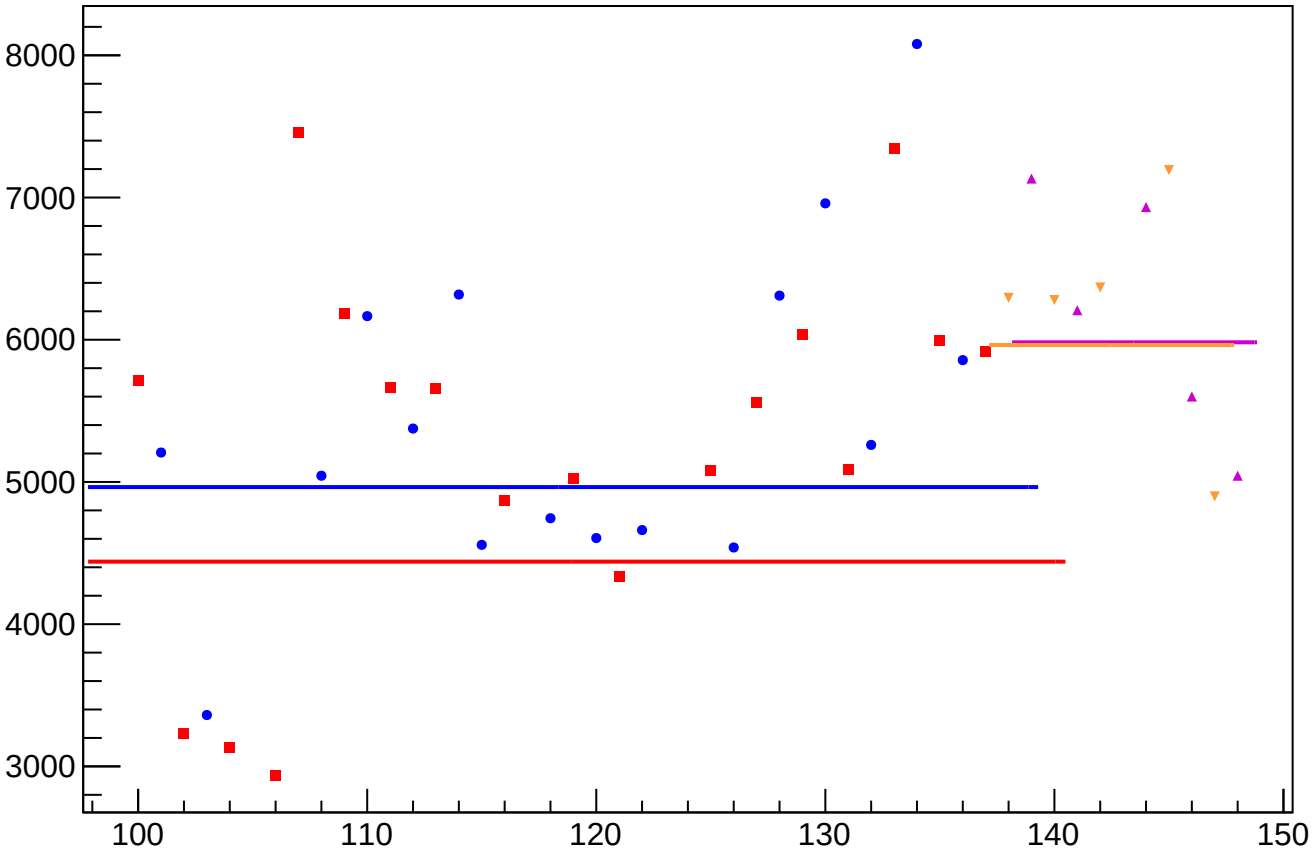
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1437.634+/-2895.500 χ^2/NDF:1.1/4

+ sign 331.158+/-1623.306 χ^2/NDF: 24.0/20

All: -152.459+/-1091.297 χ^2/NDF: 41.1/43

- sign -551.266+/-1474.113 χ^2/NDF: 17.0/22



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5962.952+/-2.222 χ^2/NDF:137214.8/4

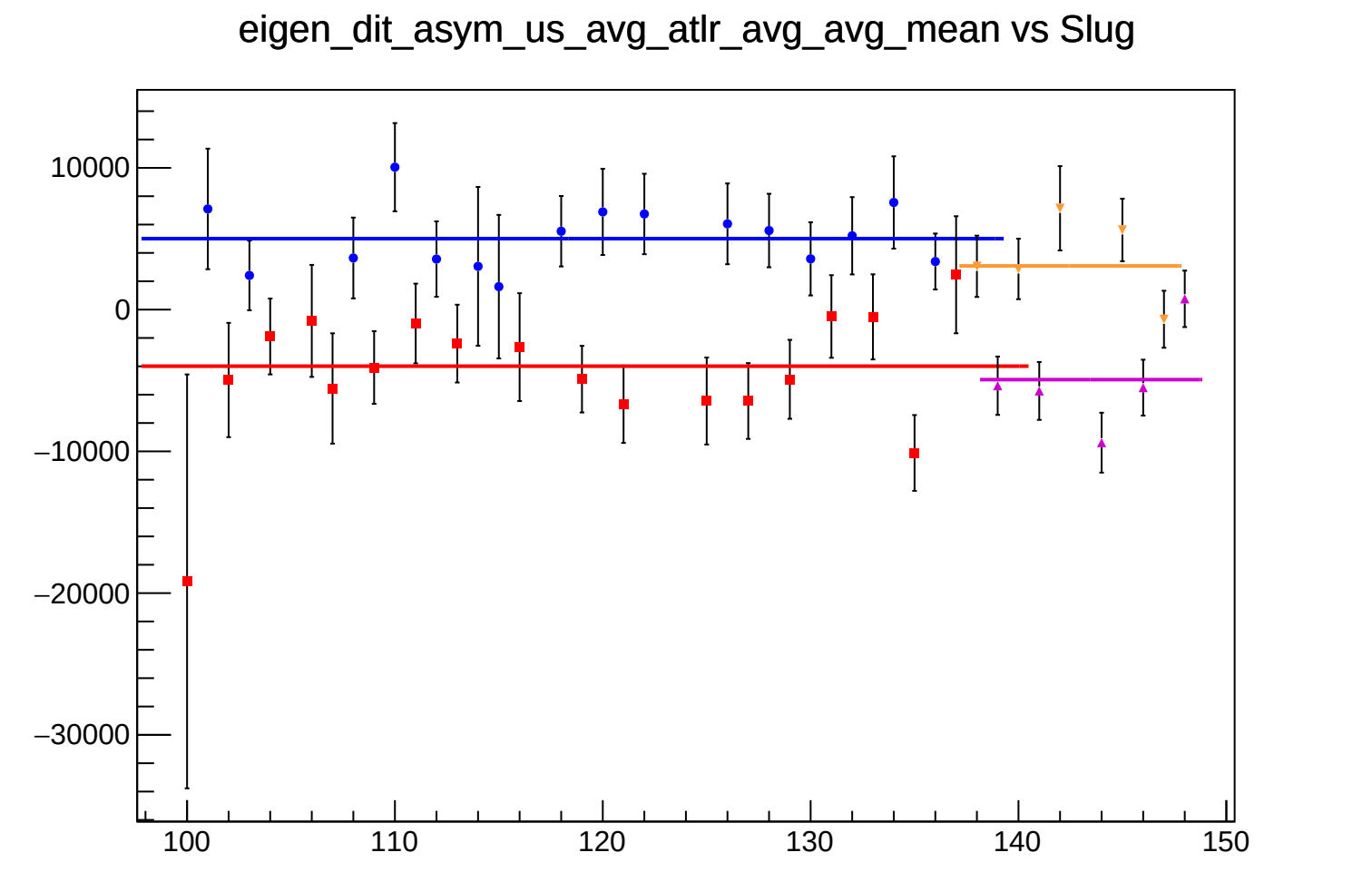
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5981.986+/-2.047 χ^2/NDF:145931.0/4

+ sign 5230.677+/-1.148 χ^2/NDF: 912806.8/20

All: 5016.248+/-0.772 χ^2/NDF: 2701297.1/43

- sign 4839.423+/-1.042 χ^2/NDF: 1724814.8/22



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

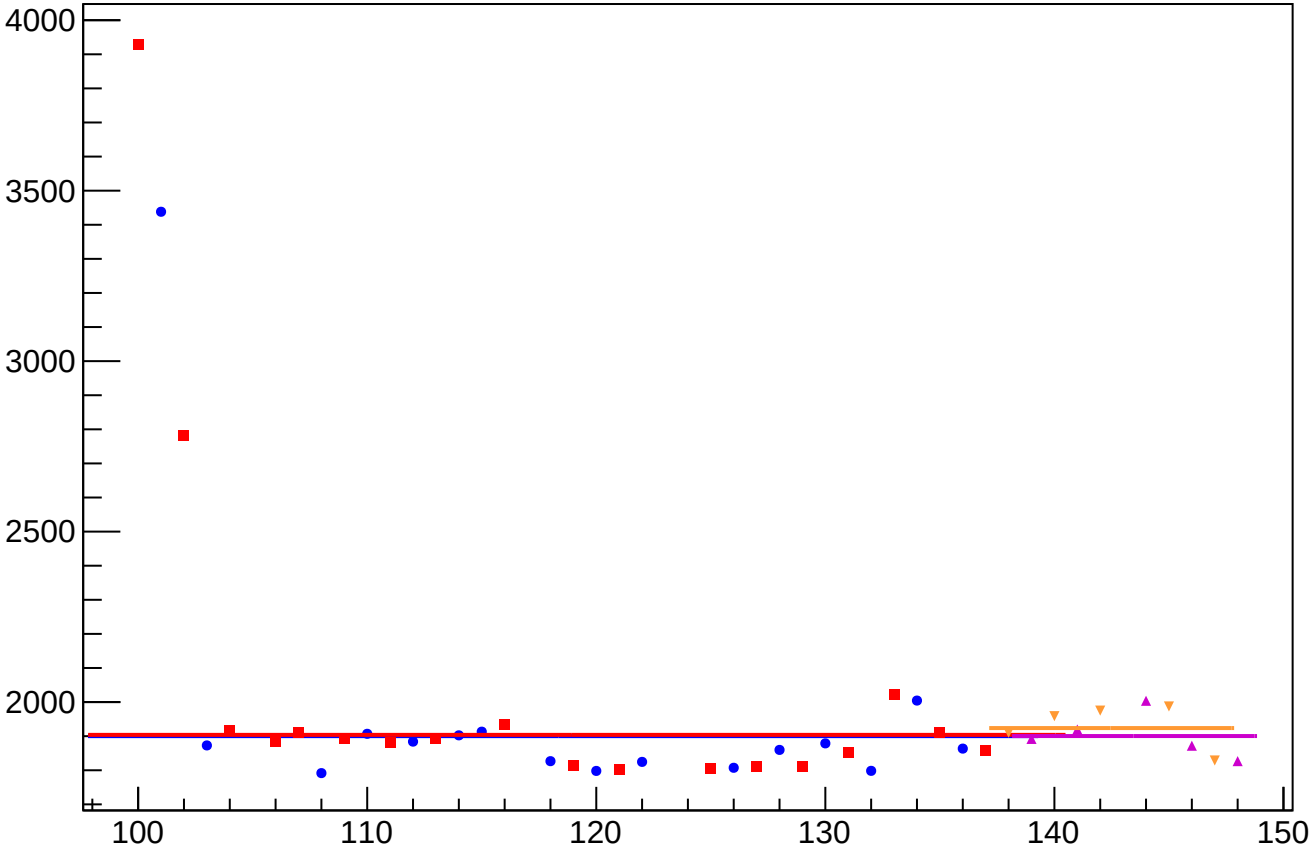
Left In: -4937.993+/-909.214 χ^2/NDF:12.9/4

+ sign 4356.941+/-581.146 χ^2/NDF: 16.8/20

All: -129.213+/-404.727 χ^2/NDF: 163.5/43

- sign -4354.258+/-563.980 χ^2/NDF: 30.9/22

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

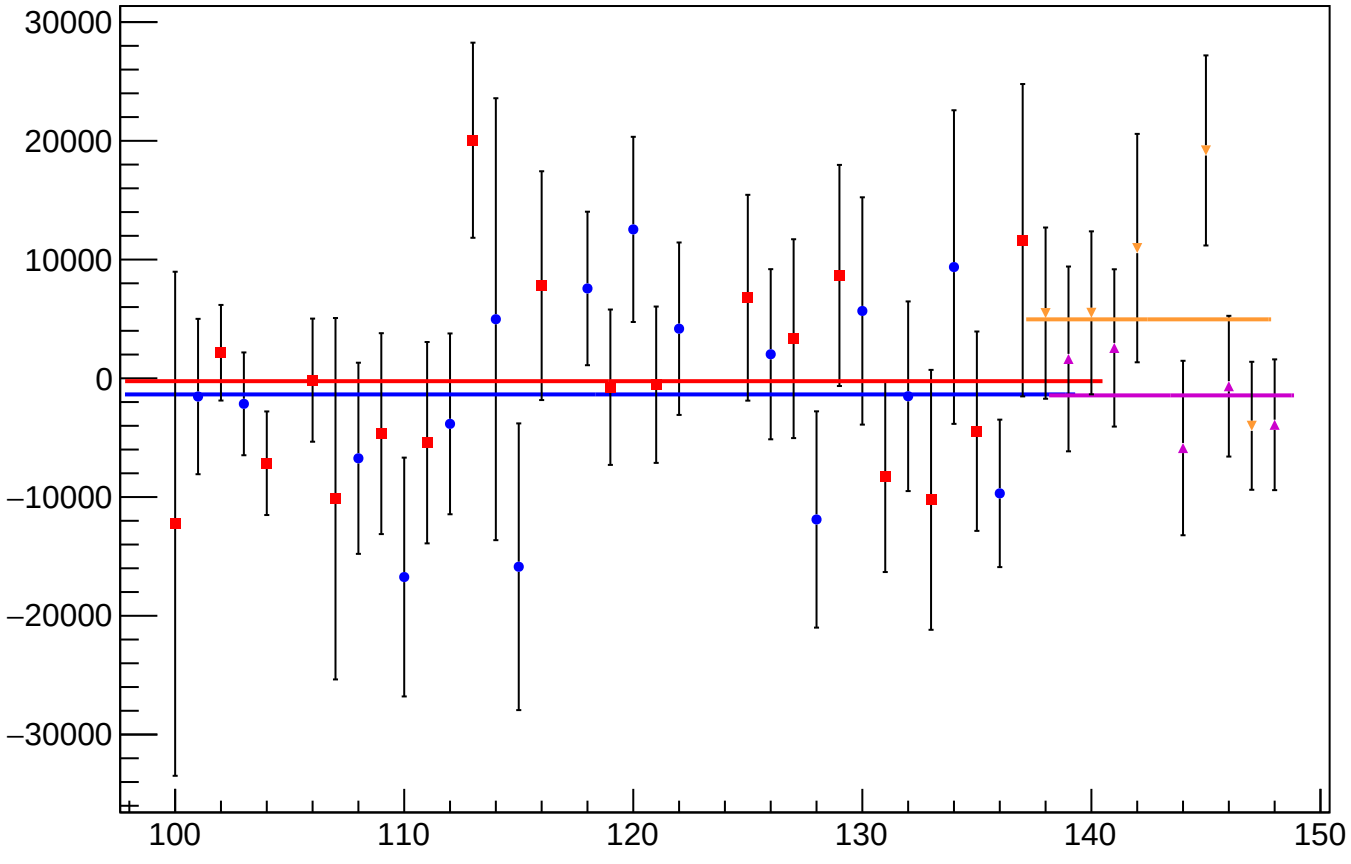
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1900.371+/-0.643 χ^2/NDF:8151.6/4

+ sign 1908.096+/-0.411 χ^2/NDF: 286524.1/20

All: 1905.212+/-0.286 χ^2/NDF: 444904.2/43

- sign 1902.498+/-0.399 χ^2/NDF: 158284.5/22



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 4965.626+/-3141.808 χ^2/NDF:6.3/4

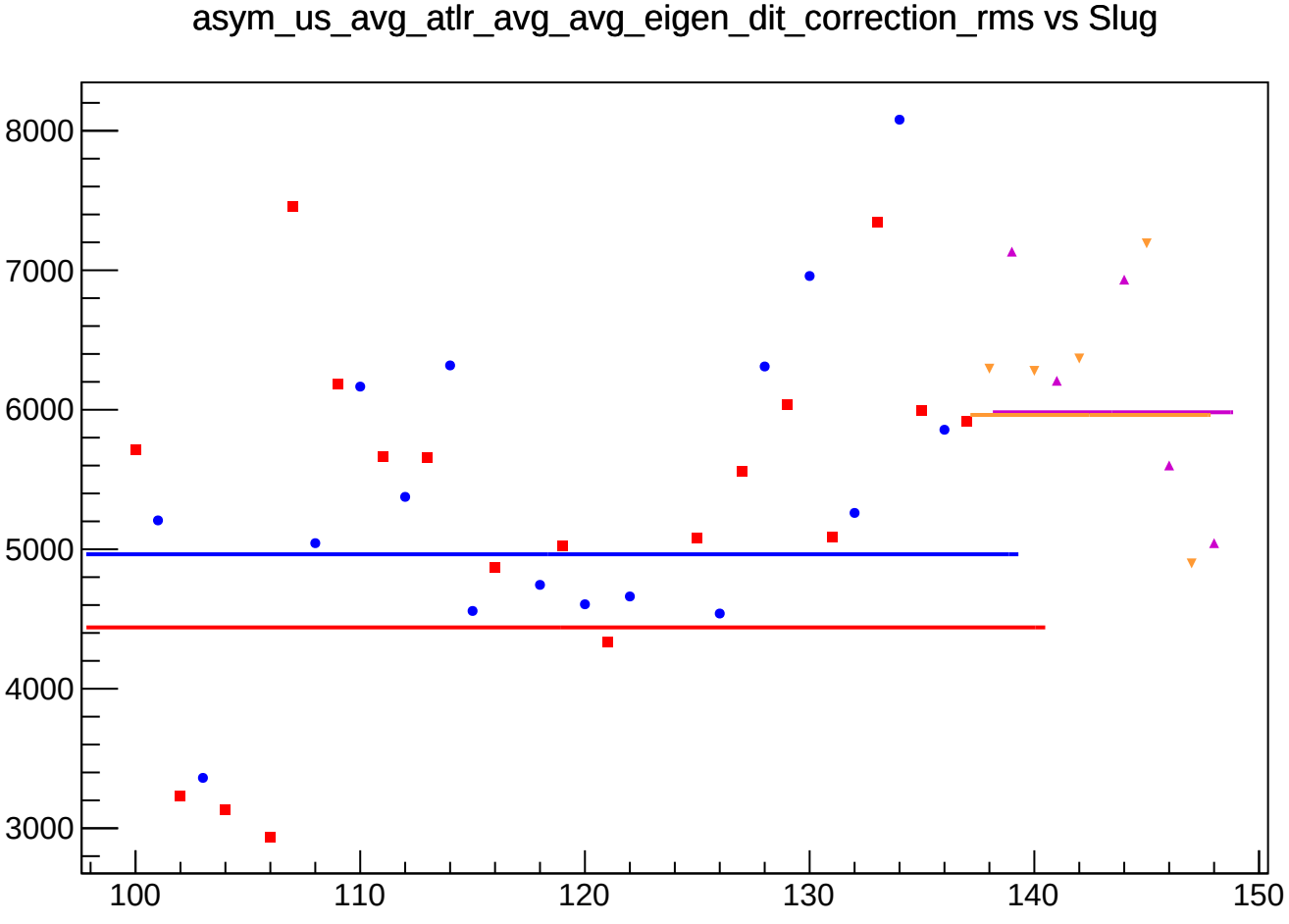
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1437.629+/-2895.504 χ^2/NDF:1.1/4

+ sign 331.156+/-1623.304 χ^2/NDF: 24.0/20

All: -152.459+/-1091.295 χ^2/NDF: 41.1/43

- sign -551.264+/-1474.110 χ^2/NDF: 17.0/22



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

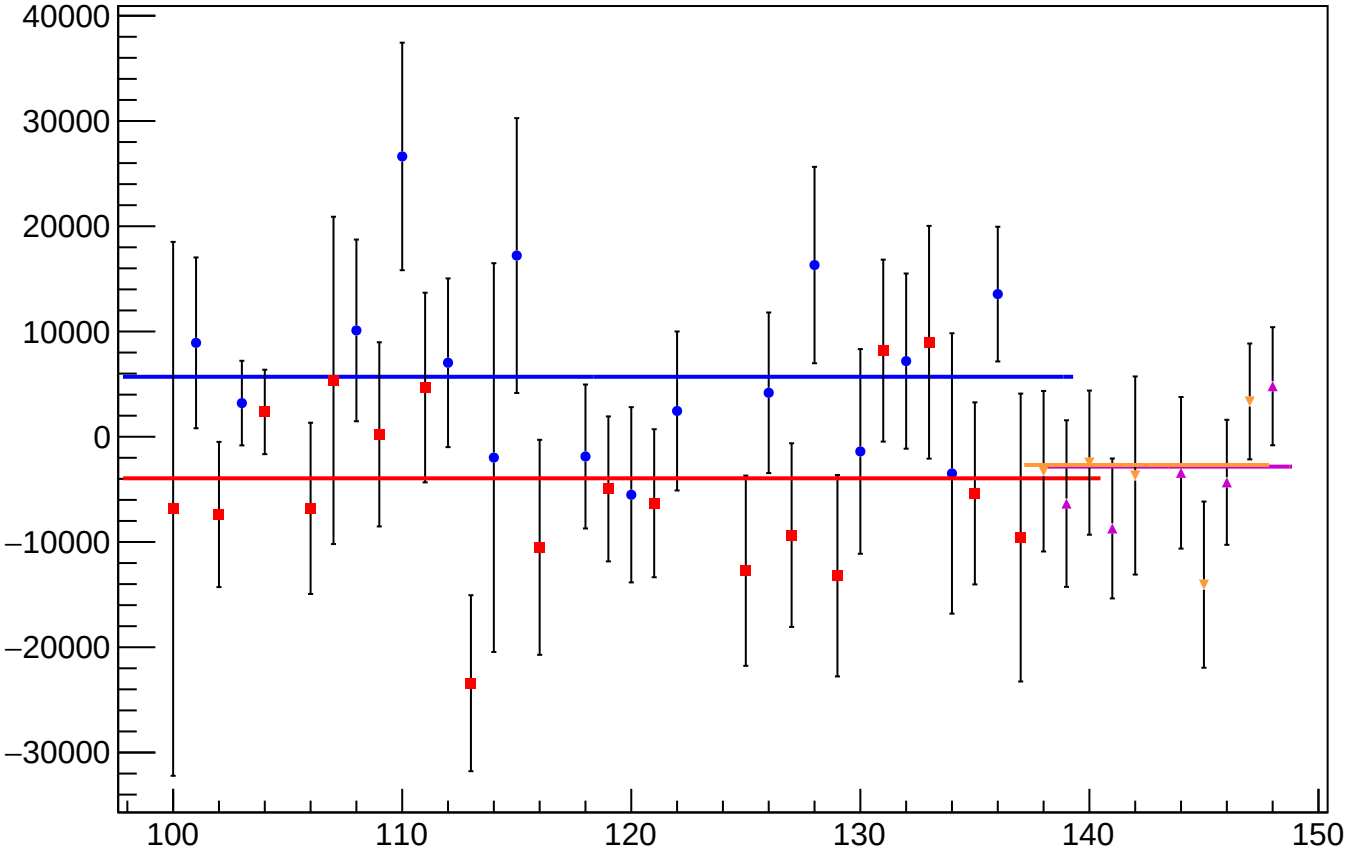
Left In: 5981.995+/-2.047 χ^2/NDF:145931.8/4

+ sign 5230.668+/-1.148 χ^2/NDF: 912816.8/20

All: 5016.239+/-0.772 χ^2/NDF: 2701318.4/43

- sign 4839.414+/-1.042 χ^2/NDF: 1724825.9/22

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

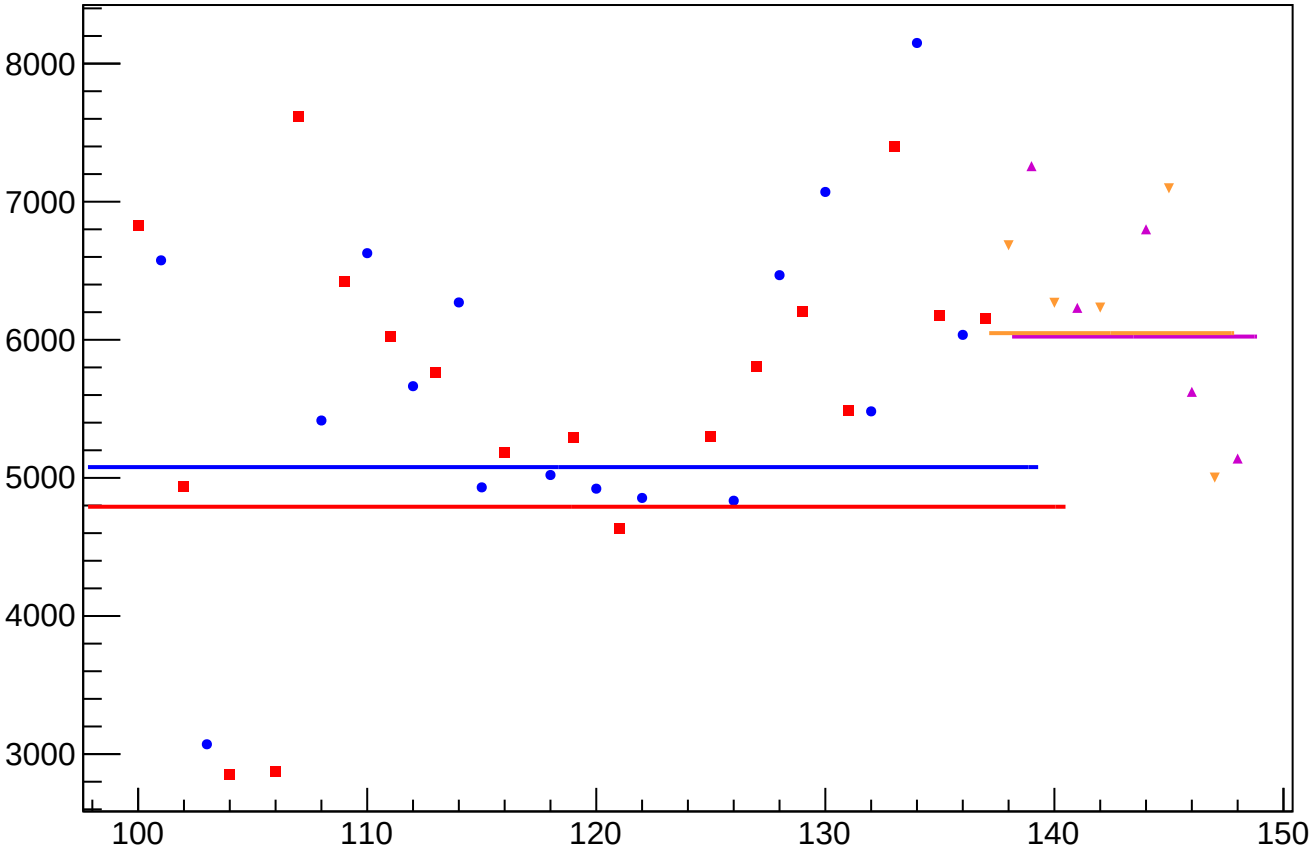
Left In: -2837.479+/-2911.301 χ^2/NDF:2.9/4

\+ sign 3392.446+/-1668.107 χ^2/NDF: 21.0/20

All: -248.907+/-1155.883 χ^2/NDF: 49.3/43

\- sign -3612.223+/-1603.158 χ^2/NDF: 19.1/22

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

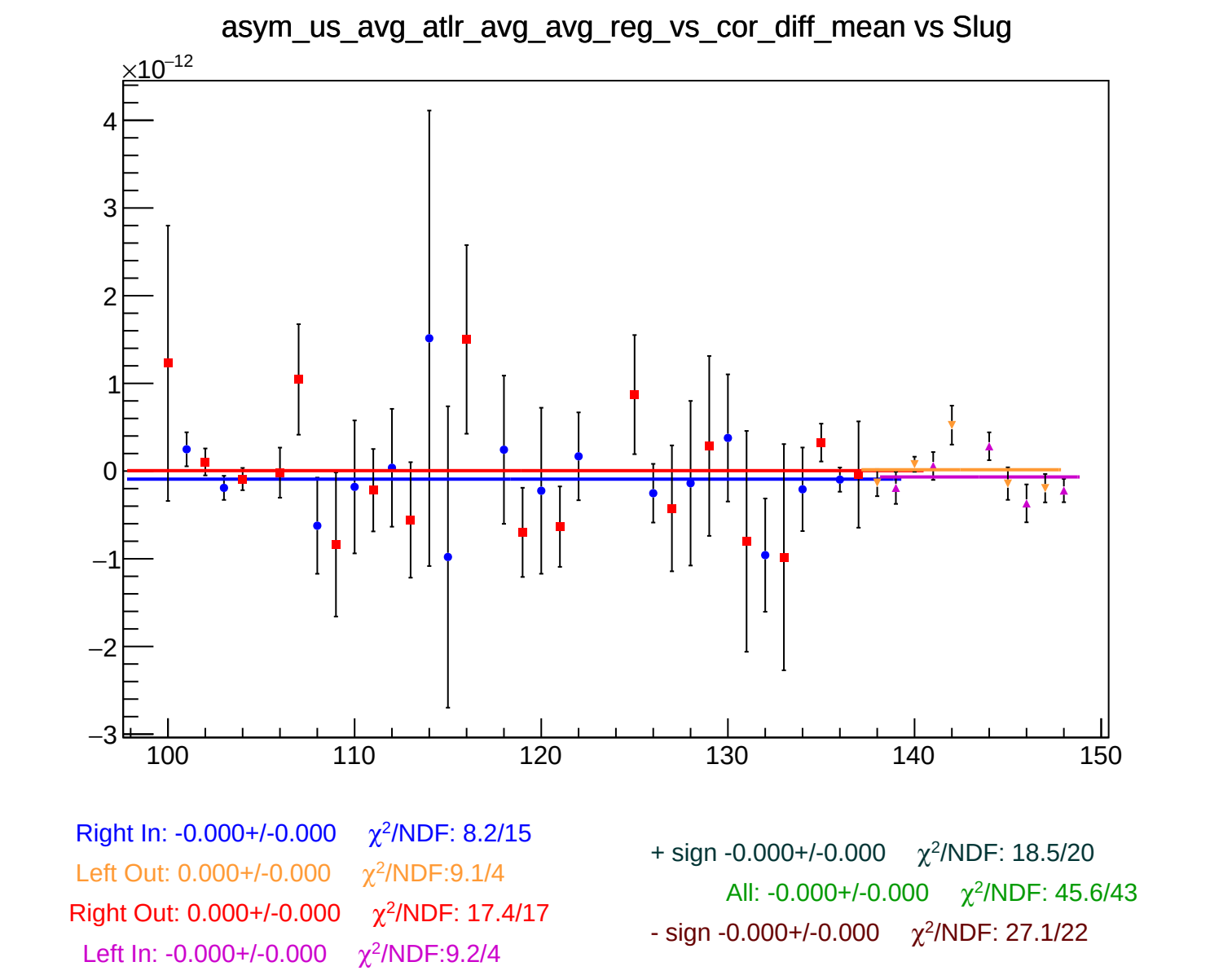
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6023.381+/-2.059 χ^2/NDF:132489.1/4

+ sign 5345.012+/-1.180 χ^2/NDF: 1178390.0/20

All: 5244.515+/-0.811 χ^2/NDF: 2739812.1/43

- sign 5154.299+/-1.118 χ^2/NDF: 1547645.9/22


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
4
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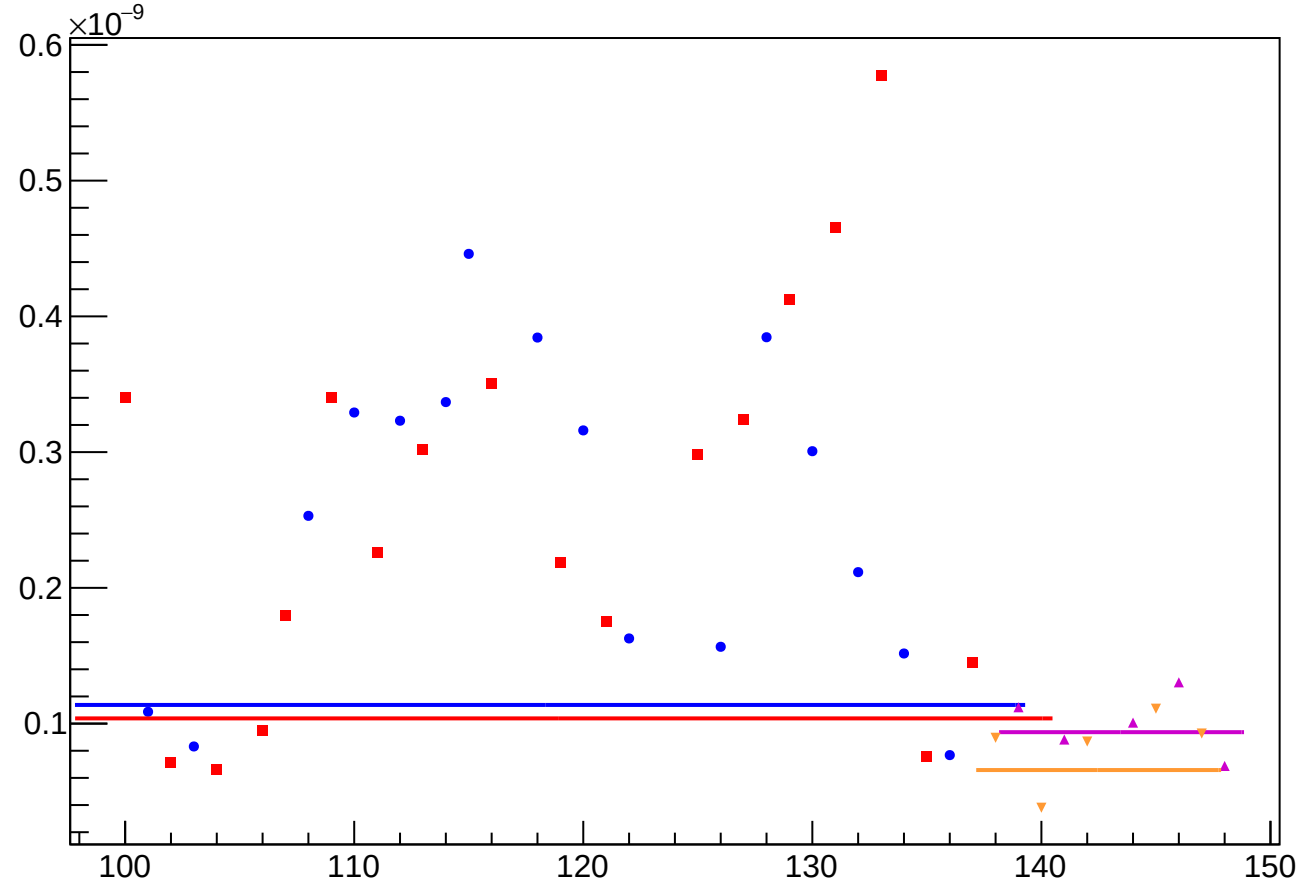
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:9.2/4
+ sign -0.000+/-0.000 χ²/NDF: 18.5/20
All: -0.000+/-0.000 χ²/NDF: 45.6/43
- sign -0.000+/-0.000 χ²/NDF: 27.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449166.4/4

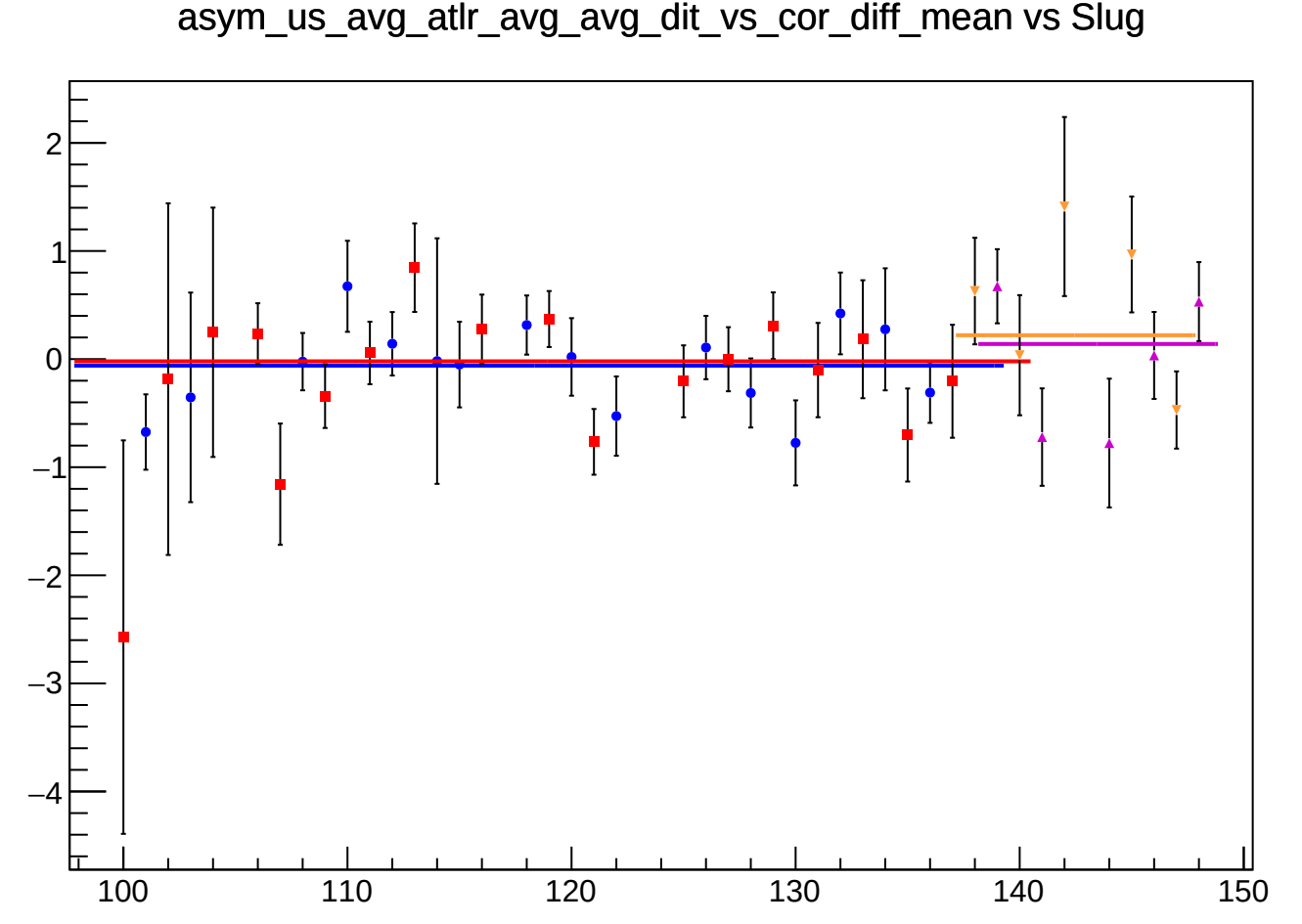
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:153741.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2442587.0/20

All: 0.000+/-0.000 χ^2/NDF: 4781899.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2259485.9/22



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

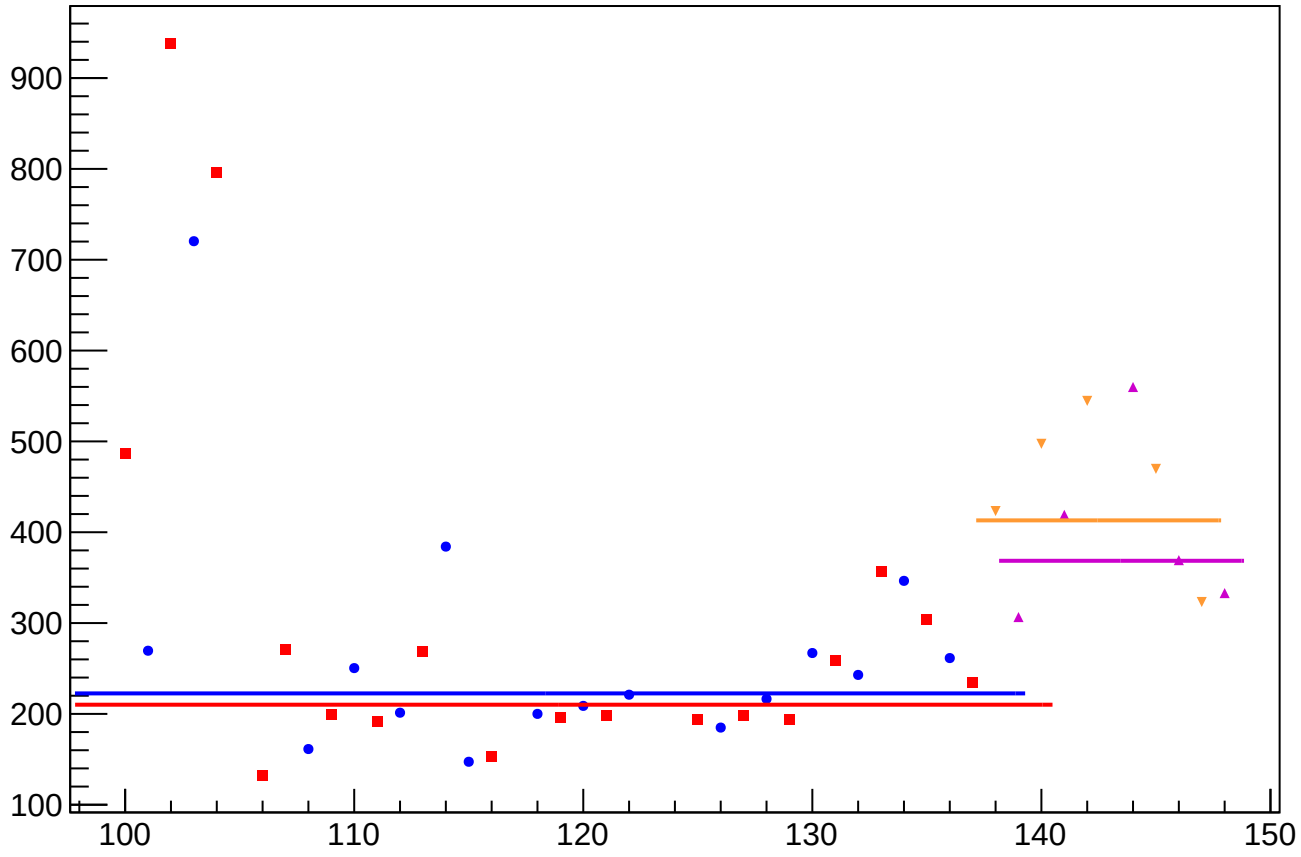
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.140+/-0.183 χ^2/NDF:9.7/4

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.006+/-0.057 χ^2/NDF: 63.7/43

- sign 0.009+/-0.079 χ^2/NDF: 36.4/22



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

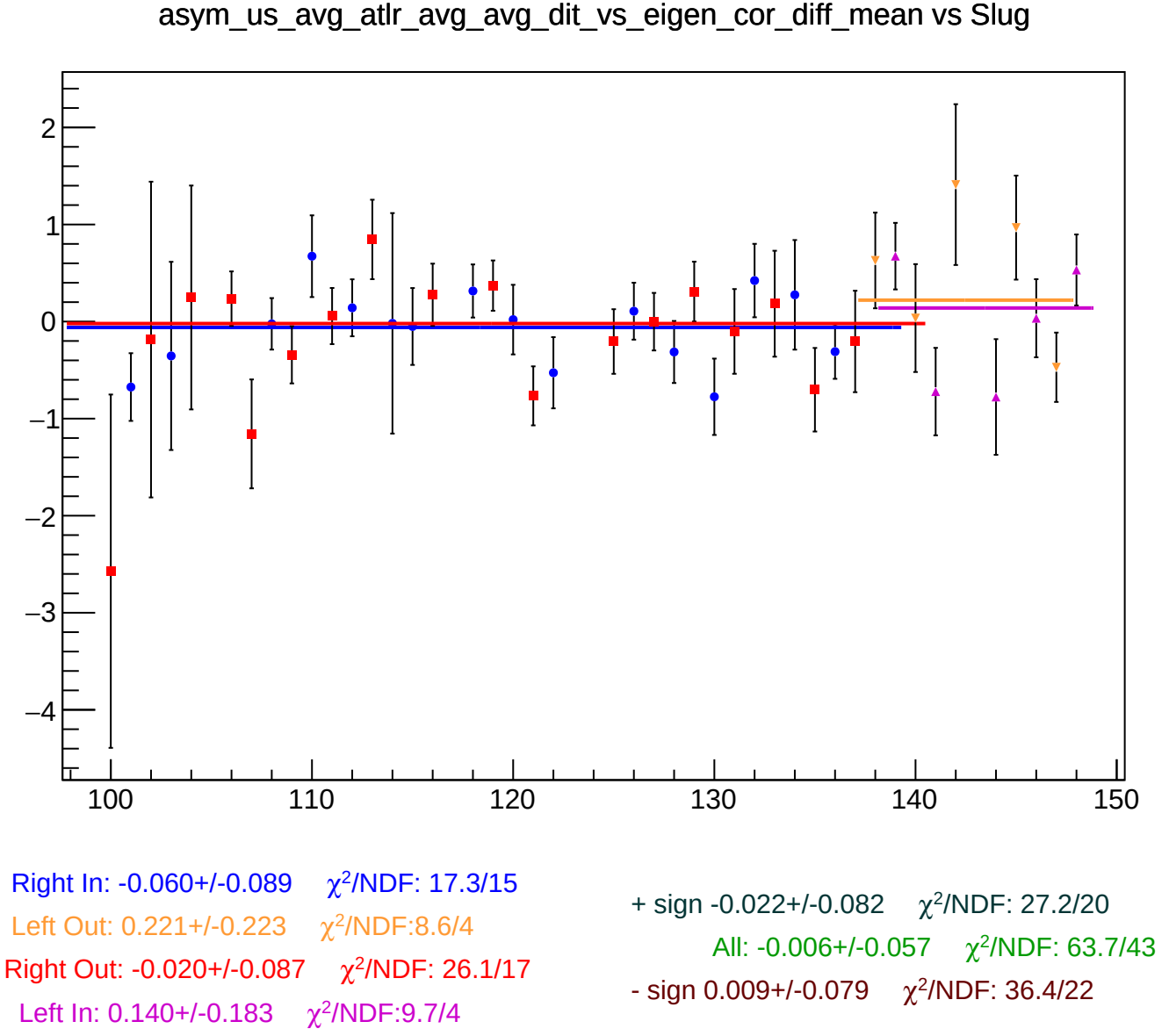
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

+ sign 248.592+/-0.058 χ^2/NDF: 2526369.1/20

All: 243.902+/-0.040 χ^2/NDF: 5624967.3/43

- sign 239.601+/-0.056 χ^2/NDF: 3086169.3/22


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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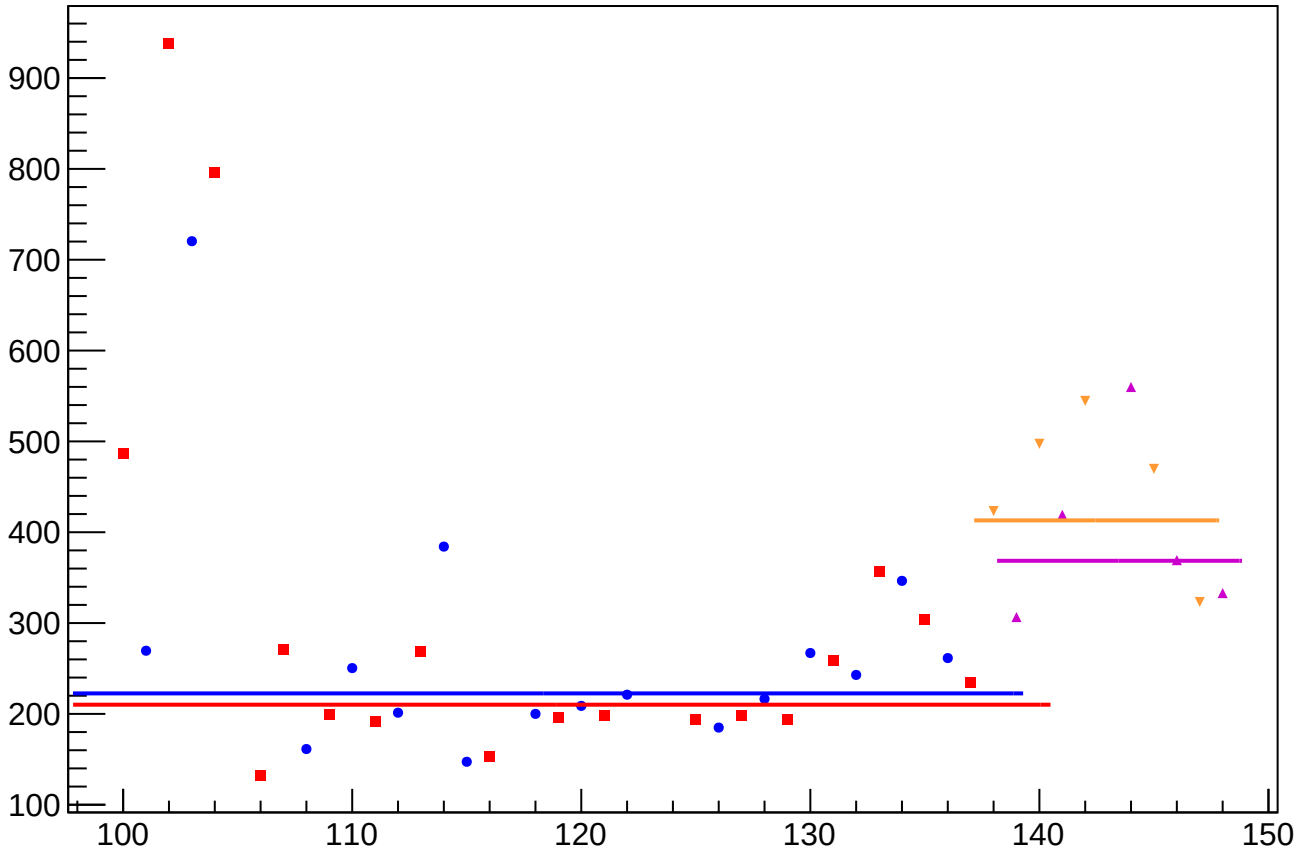
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.221+/-0.223 χ²/NDF:8.6/4
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.140+/-0.183 χ²/NDF:9.7/4
+ sign -0.022+/-0.082 χ²/NDF: 27.2/20
All: -0.006+/-0.057 χ²/NDF: 63.7/43
- sign 0.009+/-0.079 χ²/NDF: 36.4/22



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

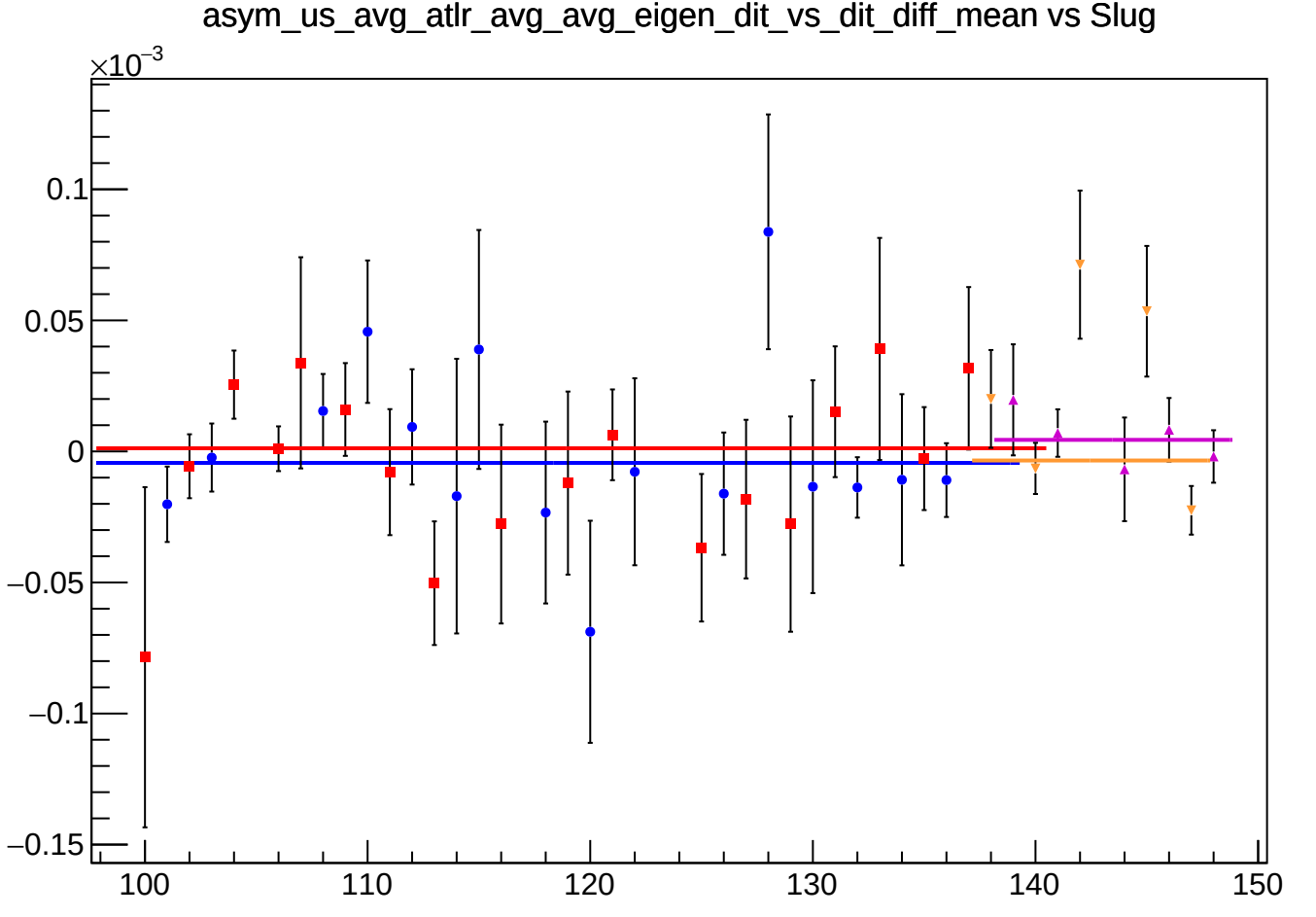
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

+ sign 248.592+/-0.058 χ^2/NDF: 2526369.1/20

All: 243.902+/-0.040 χ^2/NDF: 5624967.3/43

- sign 239.601+/-0.056 χ^2/NDF: 3086169.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/4

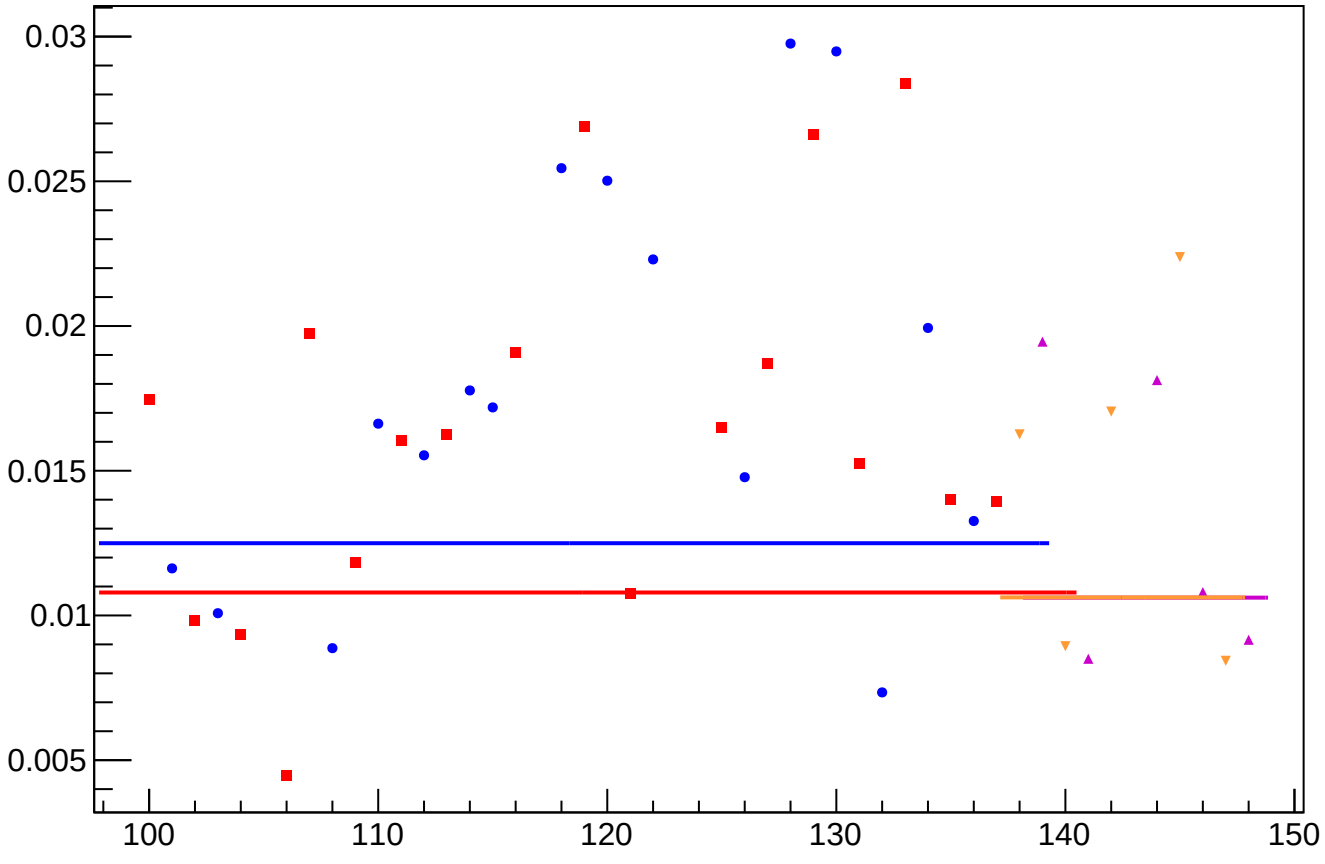
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.7/20

All: -0.000+/-0.000 χ^2/NDF: 54.2/43

- sign 0.000+/-0.000 χ^2/NDF: 18.9/22



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:901544.6/4

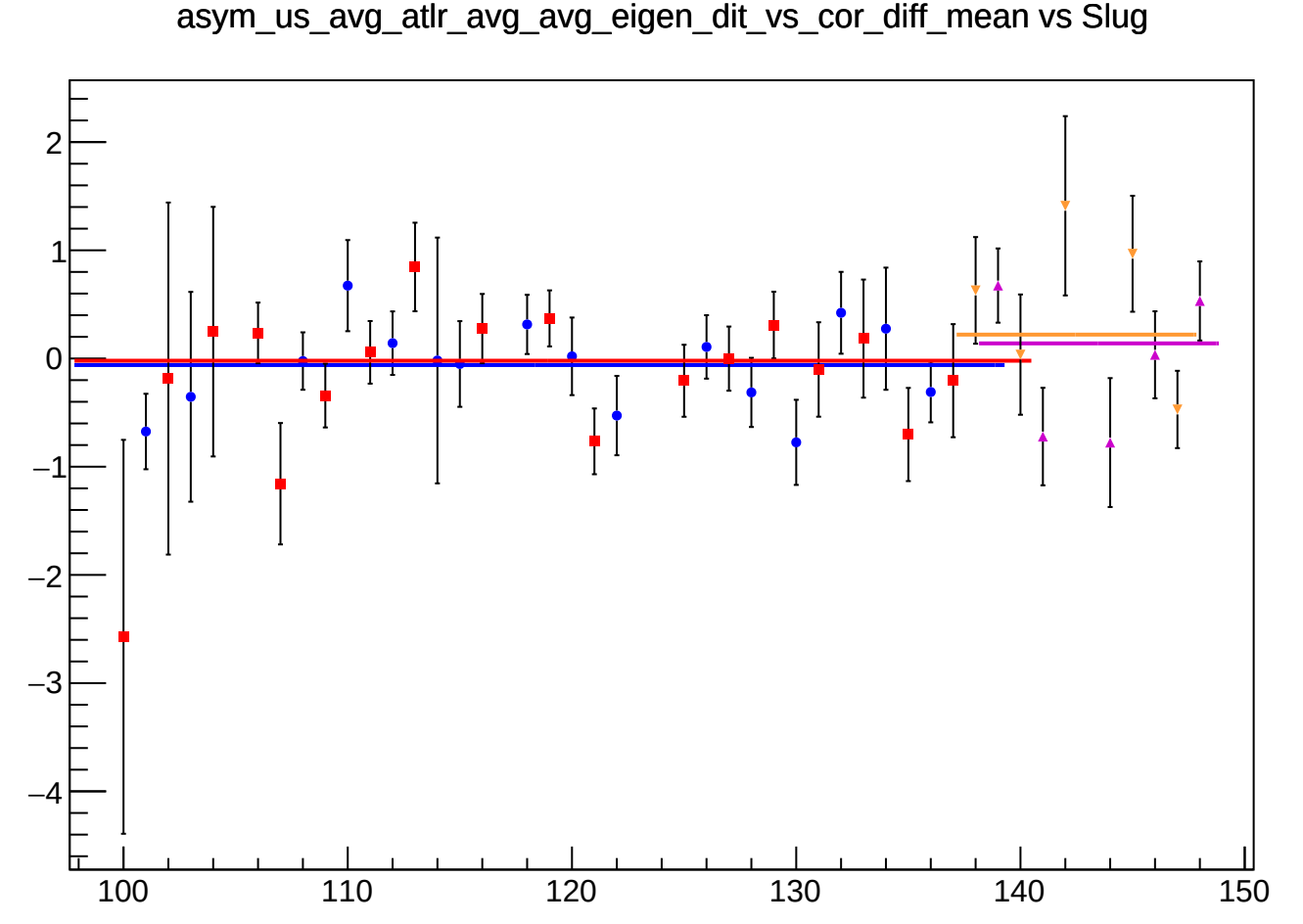
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:789192.7/4

+ sign 0.012+/-0.000 χ^2/NDF: 3130047.3/20

All: 0.011+/-0.000 χ^2/NDF: 6980418.3/43

- sign 0.011+/-0.000 χ^2/NDF: 3778264.6/22



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.221+/-0.223 χ^2/NDF:8.6/4

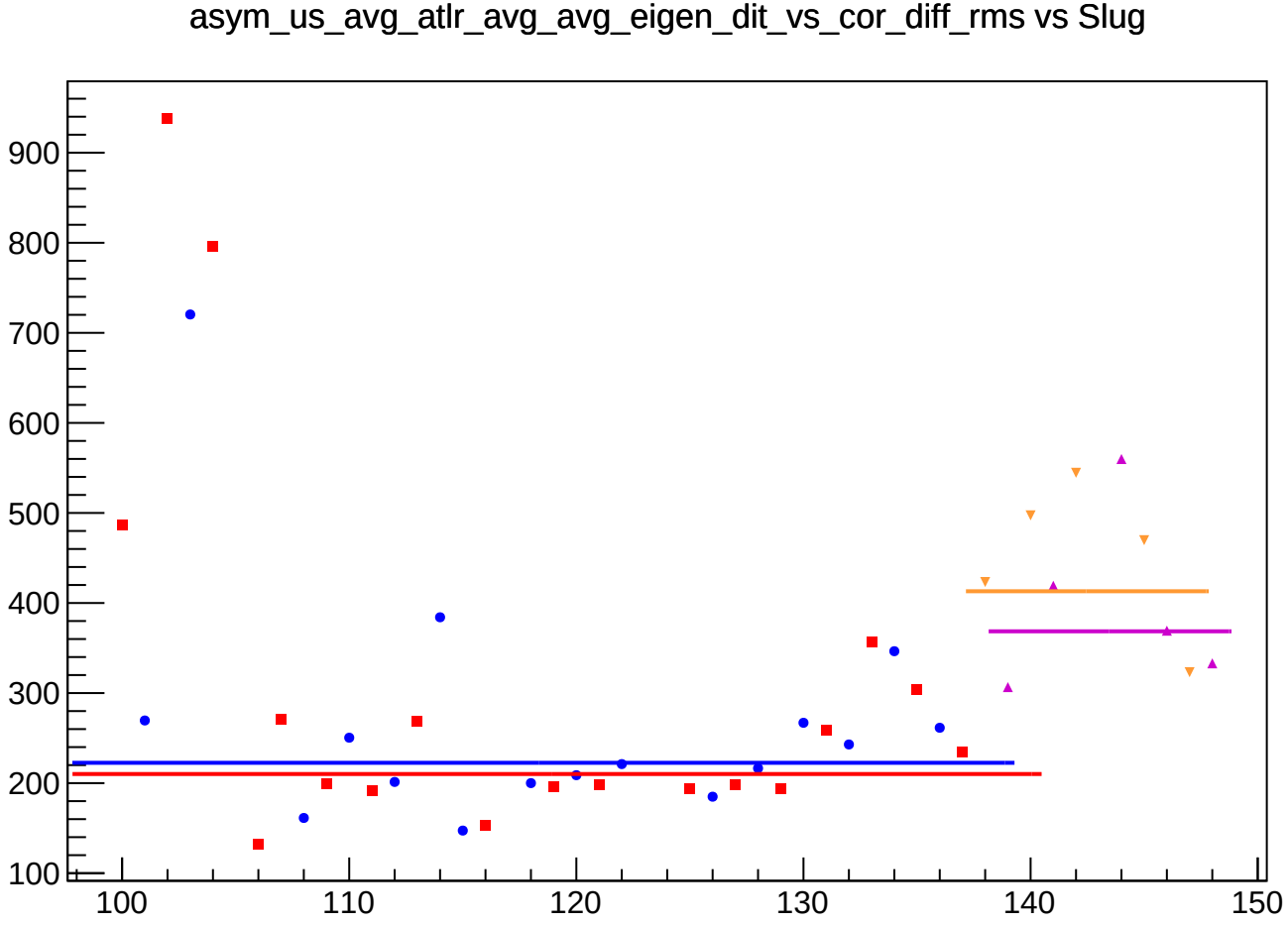
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.140+/-0.183 χ^2/NDF:9.7/4

+ sign -0.022+/-0.082 χ^2/NDF: 27.2/20

All: -0.006+/-0.057 χ^2/NDF: 63.7/43

- sign 0.009+/-0.079 χ^2/NDF: 36.4/22



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 413.055+/-0.158 χ^2/NDF:246299.9/4

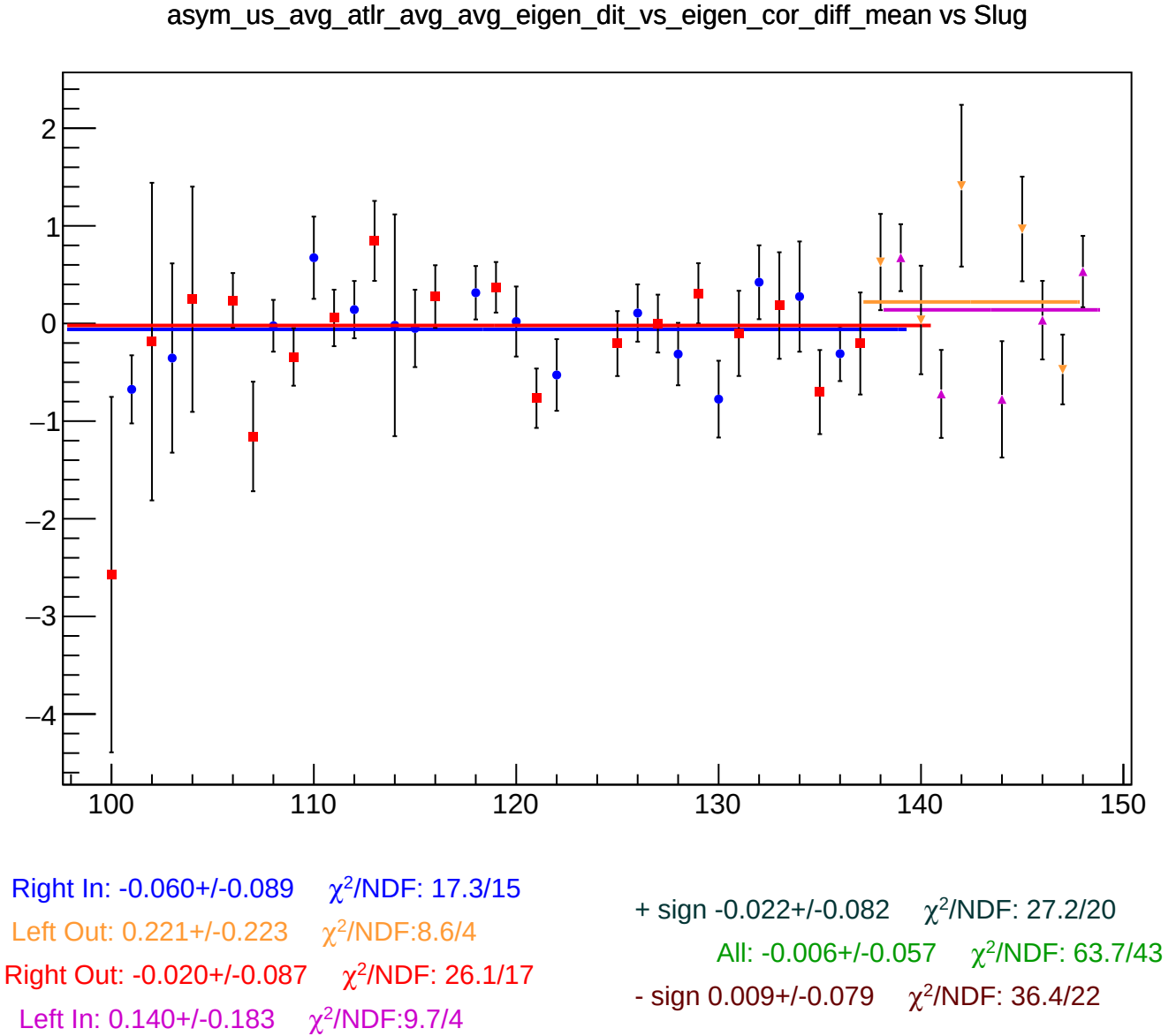
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

+ sign 248.591+/-0.058 χ^2/NDF: 2526416.3/20

All: 243.900+/-0.040 χ^2/NDF: 5625090.6/43

- sign 239.599+/-0.056 χ^2/NDF: 3086243.5/22


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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−4
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110
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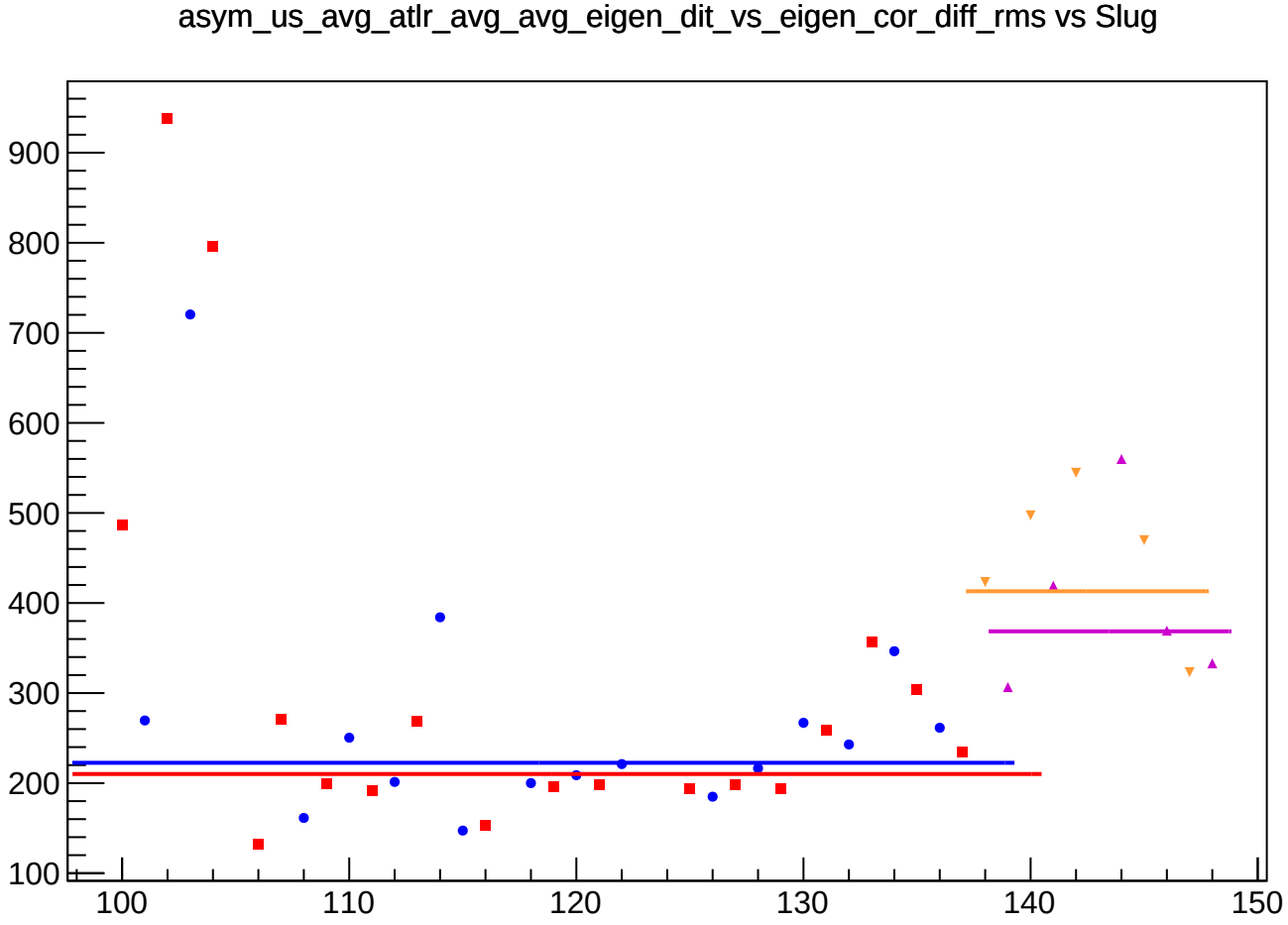
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.221+/-0.223 χ²/NDF:8.6/4
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.140+/-0.183 χ²/NDF:9.7/4
+ sign -0.022+/-0.082 χ²/NDF: 27.2/20
All: -0.006+/-0.057 χ²/NDF: 63.7/43
- sign 0.009+/-0.079 χ²/NDF: 36.4/22



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 413.055+/-0.158 χ^2/NDF:246299.9/4

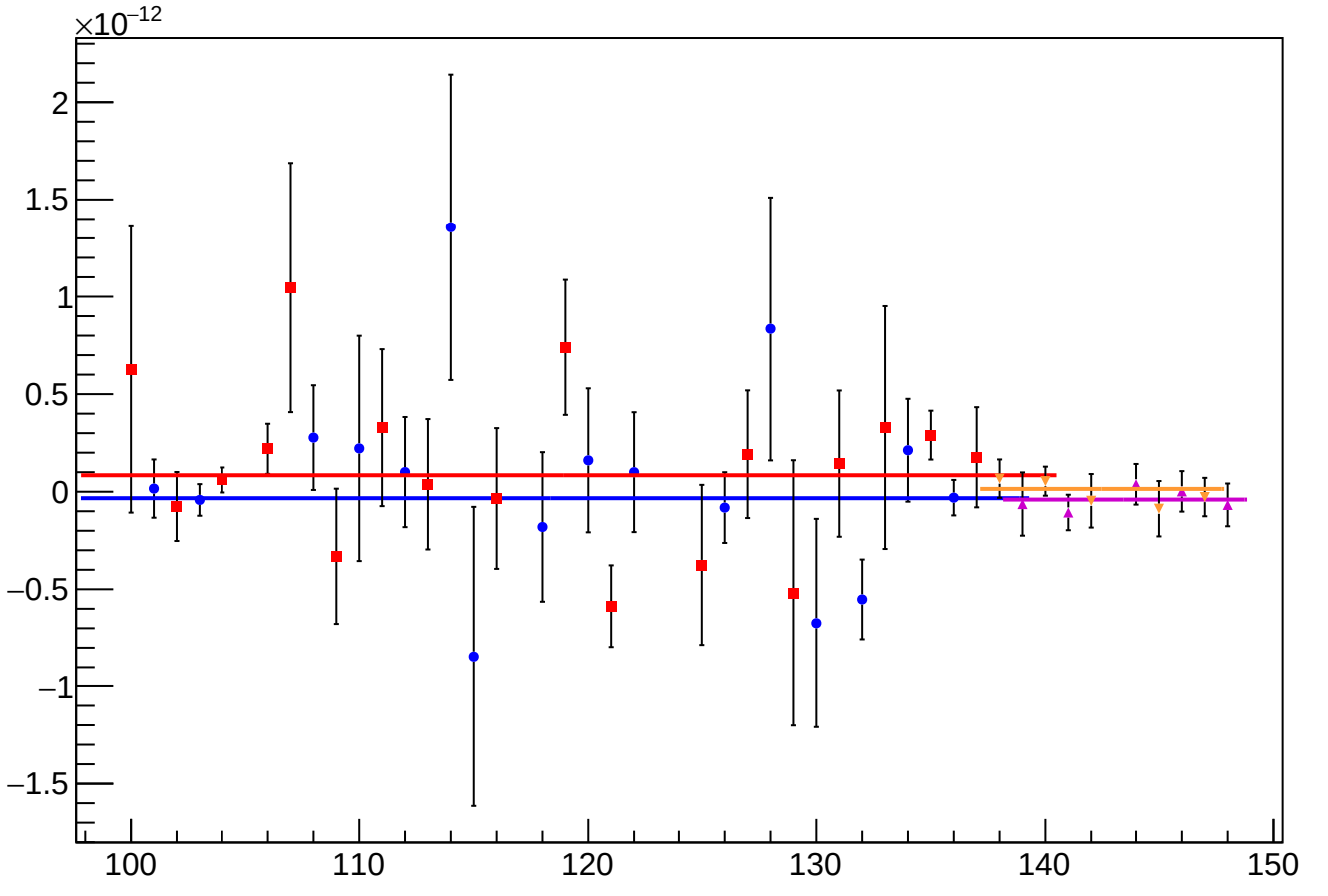
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

+ sign 248.591+/-0.058 χ^2/NDF: 2526416.3/20

All: 243.900+/-0.040 χ^2/NDF: 5625090.6/43

- sign 239.599+/-0.056 χ^2/NDF: 3086243.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

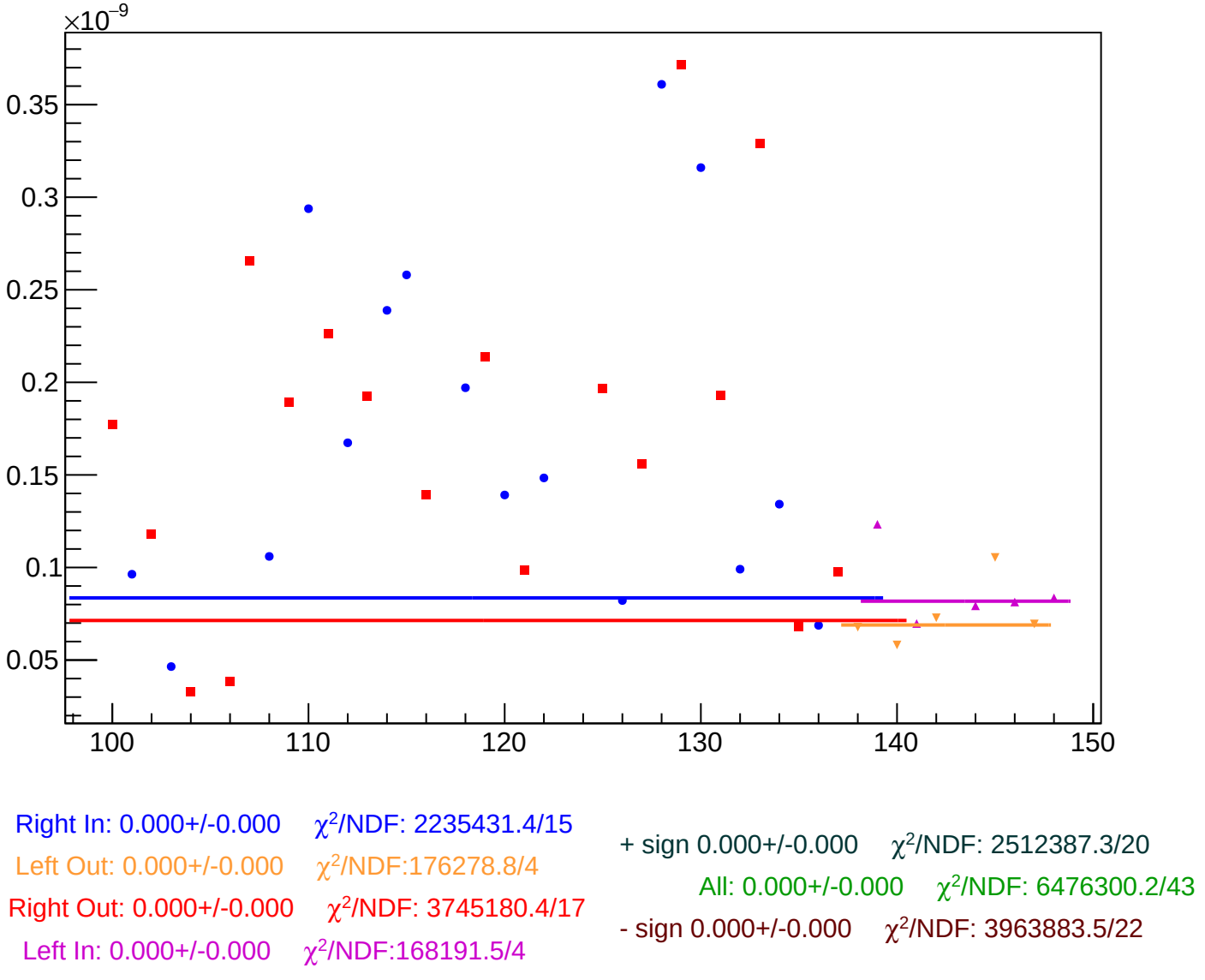
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/20

All: 0.000+/-0.000 χ^2/NDF: 50.6/43

- sign 0.000+/-0.000 χ^2/NDF: 30.8/22


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
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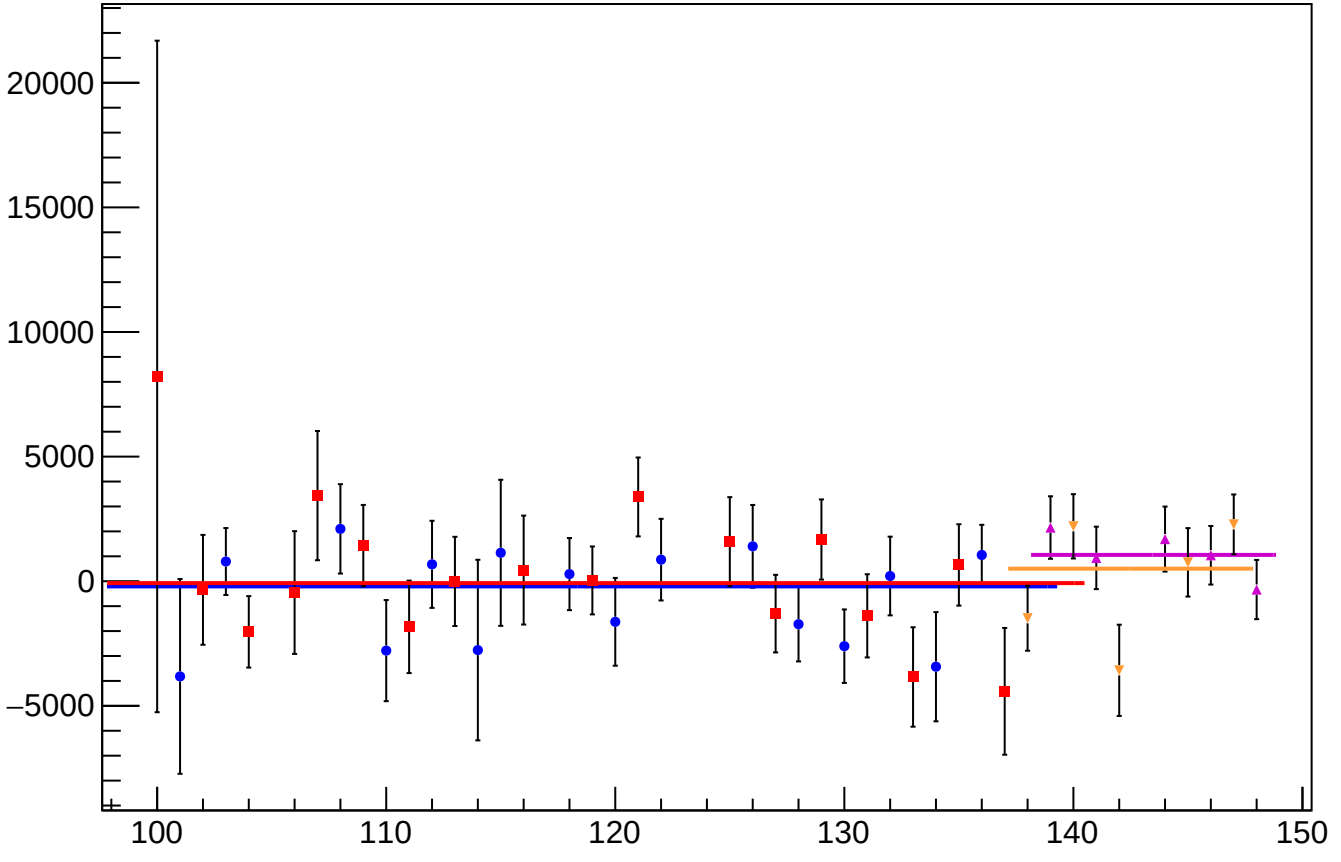
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:176278.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:168191.5/4
+ sign 0.000+/-0.000 χ²/NDF: 2512387.3/20
All: 0.000+/-0.000 χ²/NDF: 6476300.2/43
- sign 0.000+/-0.000 χ²/NDF: 3963883.5/22

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

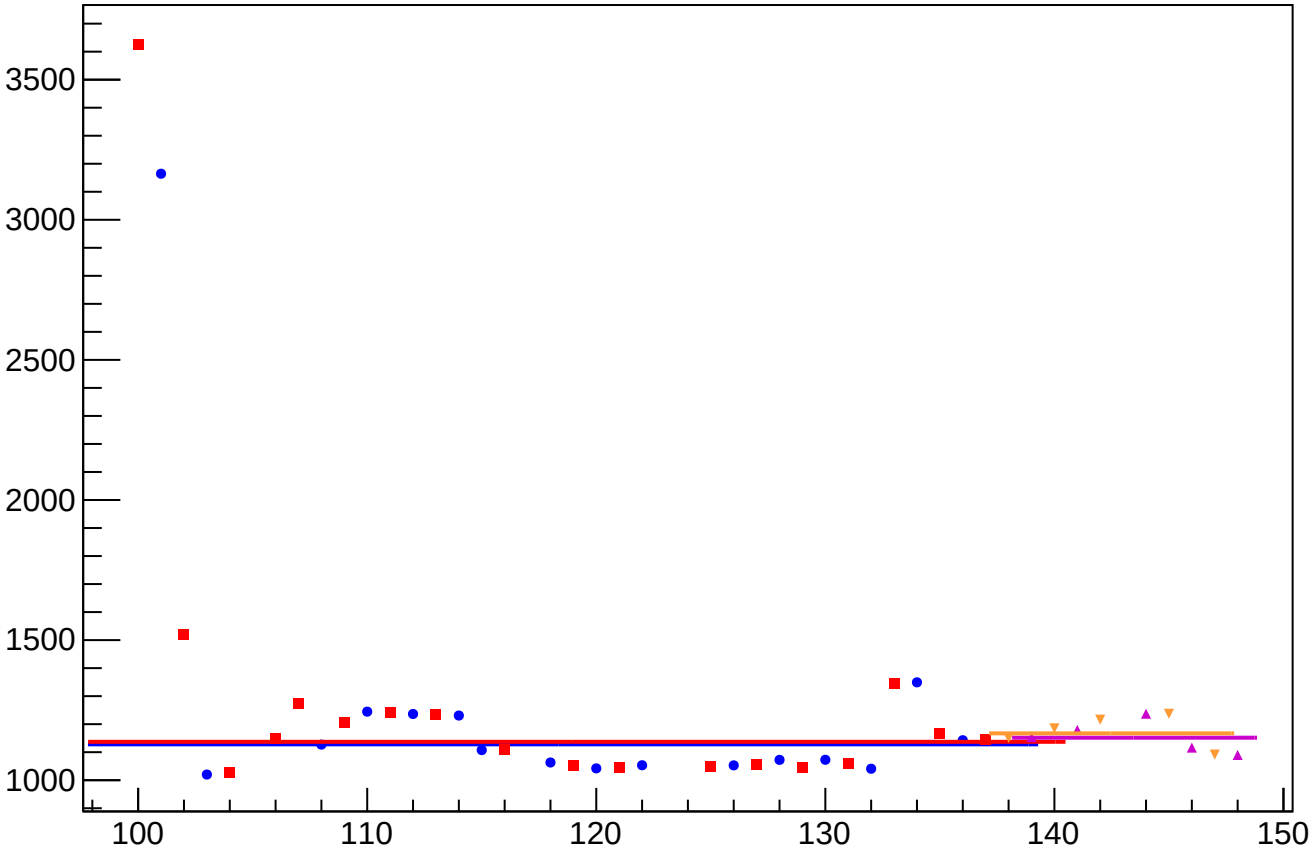
Left In: 1056.222+/-551.221 χ^2/NDF:2.4/4

+ sign 28.963+/-350.445 χ^2/NDF: 26.9/20

All: 196.429+/-243.809 χ^2/NDF: 53.0/43

- sign 353.518+/-339.414 χ^2/NDF: 25.7/22

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

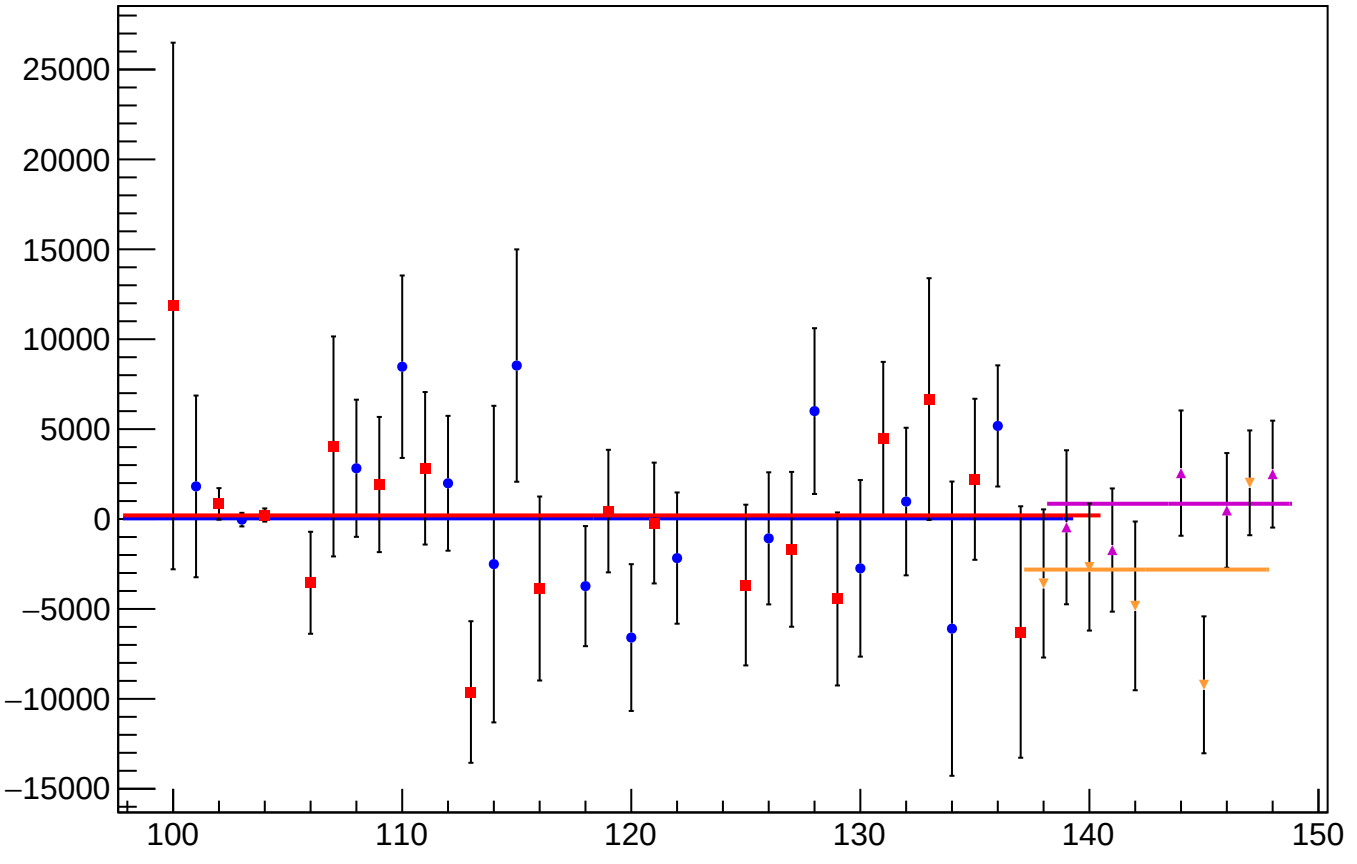
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

+ sign 1141.066+/-0.248 χ^2/NDF: 642218.2/20

All: 1141.854+/-0.172 χ^2/NDF: 879979.8/43

- sign 1142.592+/-0.240 χ^2/NDF: 237742.1/22



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -2810.336+/-1641.218 χ^2/NDF:5.8/4

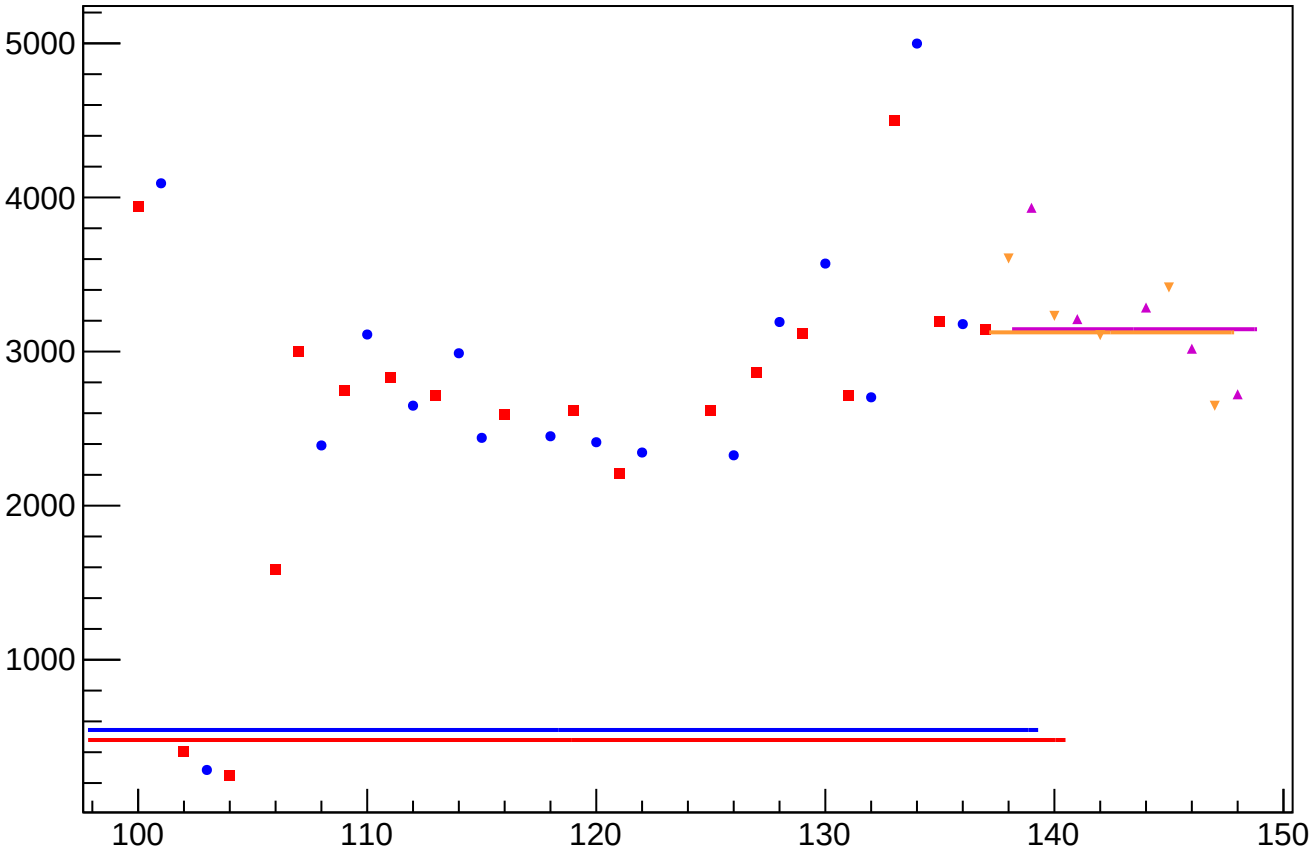
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 849.877+/-1518.736 χ^2/NDF:1.2/4

+ sign -90.844+/-349.450 χ^2/NDF: 23.5/20

All: 85.702+/-234.181 χ^2/NDF: 41.0/43

- sign 229.618+/-315.508 χ^2/NDF: 17.0/22



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

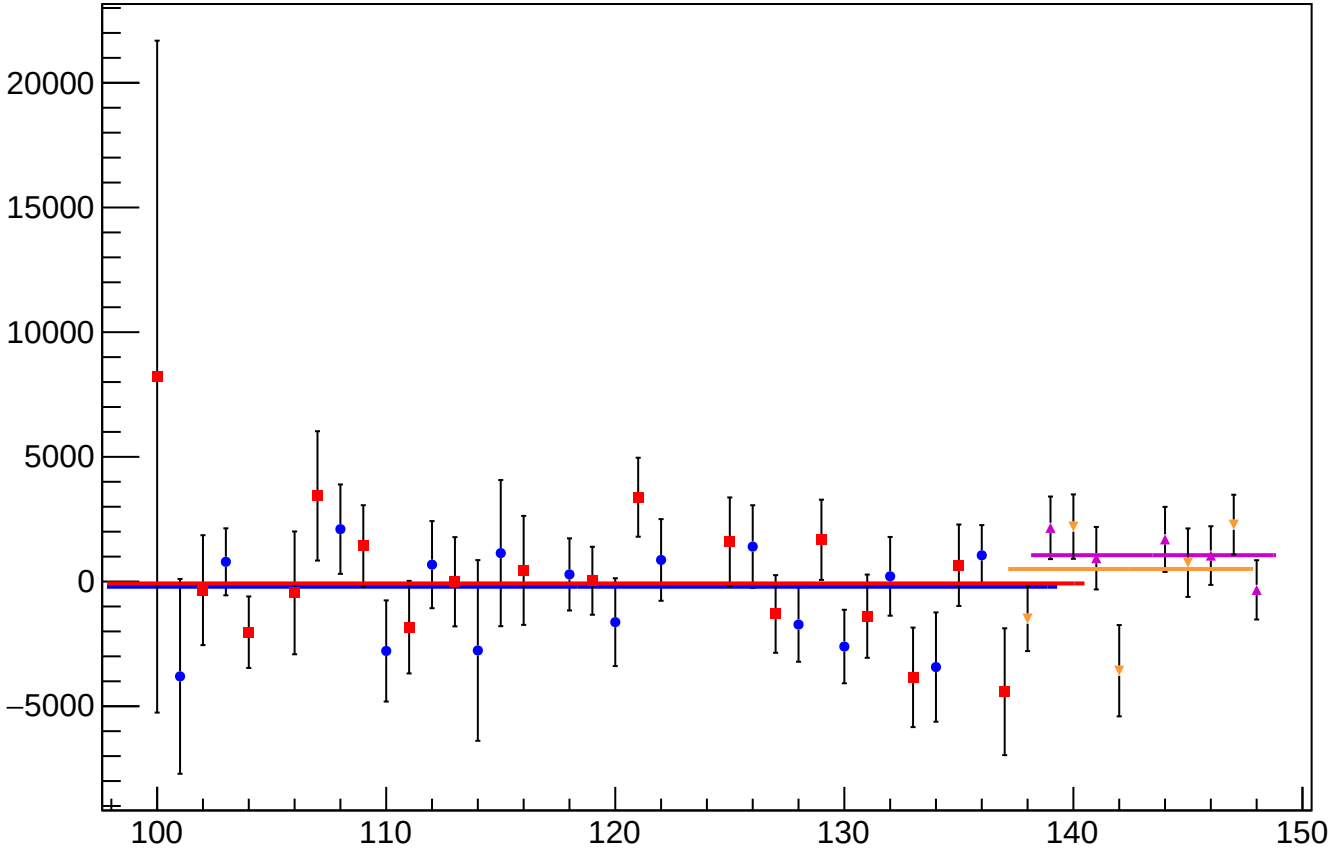
Left In: 3144.973+/-1.074 χ^2/NDF:115214.1/4

+ sign 661.314+/-0.247 χ^2/NDF: 14496441.1/20

All: 624.394+/-0.166 χ^2/NDF: 29735856.5/43

- sign 594.298+/-0.223 χ^2/NDF: 15198893.1/22

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

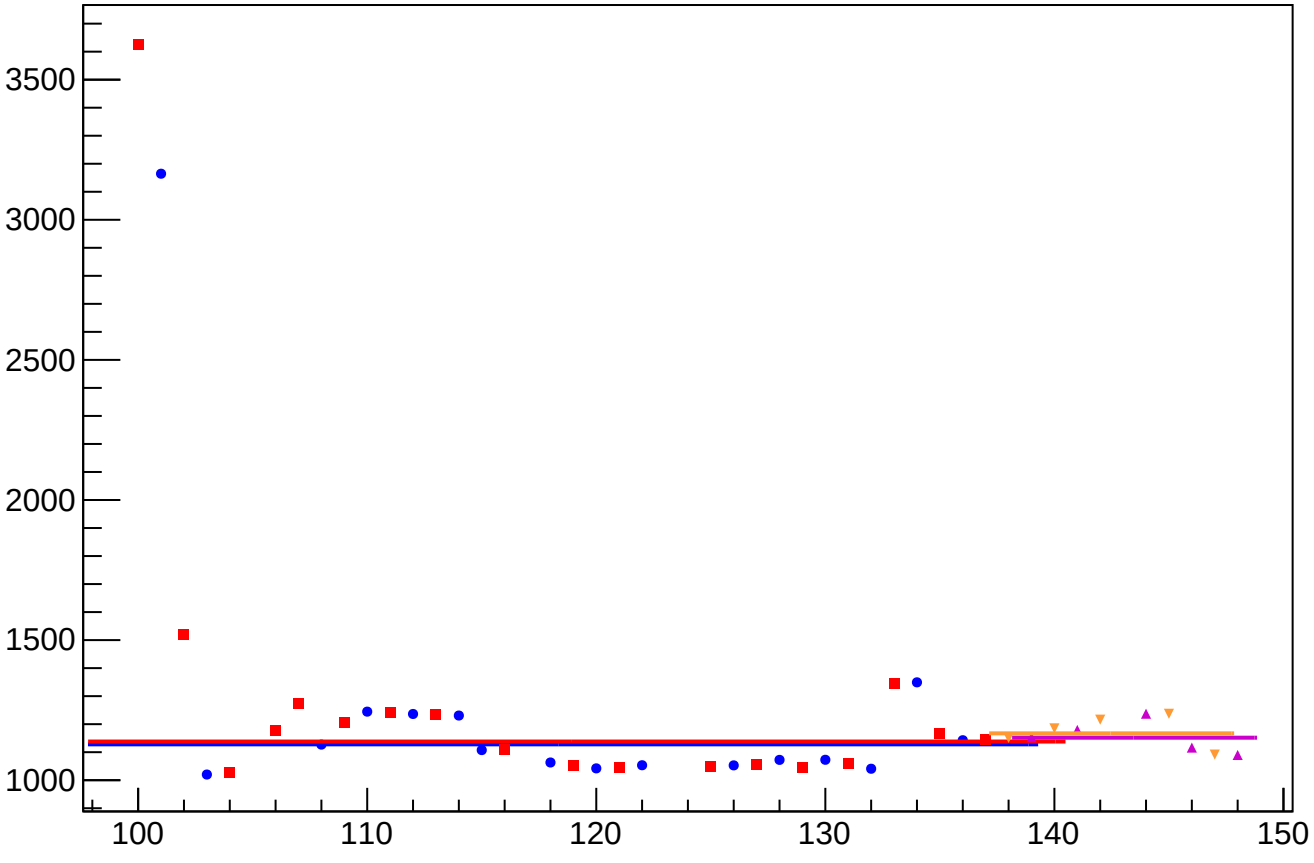
Left In: 1056.375+/-551.221 χ^2/NDF:2.4/4

+ sign 29.118+/-350.445 χ^2/NDF: 26.9/20

All: 196.488+/-243.809 χ^2/NDF: 53.0/43

- sign 353.486+/-339.414 χ^2/NDF: 25.7/22

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

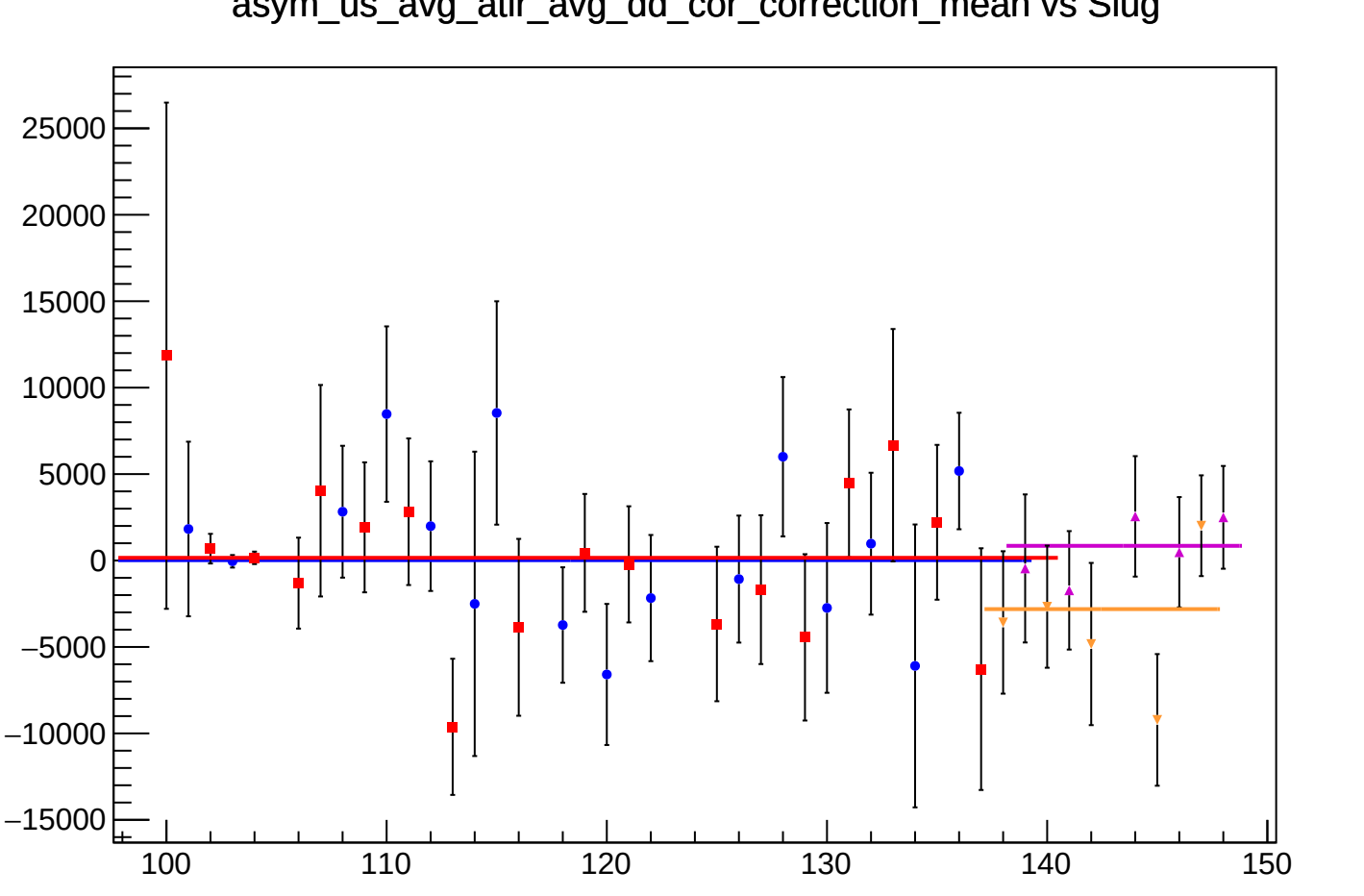
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

\+ sign 1141.066+/-0.248 χ^2/NDF: 642219.4/20

All: 1142.165+/-0.172 χ^2/NDF: 880425.8/43

\- sign 1143.196+/-0.240 χ^2/NDF: 238168.3/22



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2810.316+/-1641.218 χ^2/NDF:5.8/4

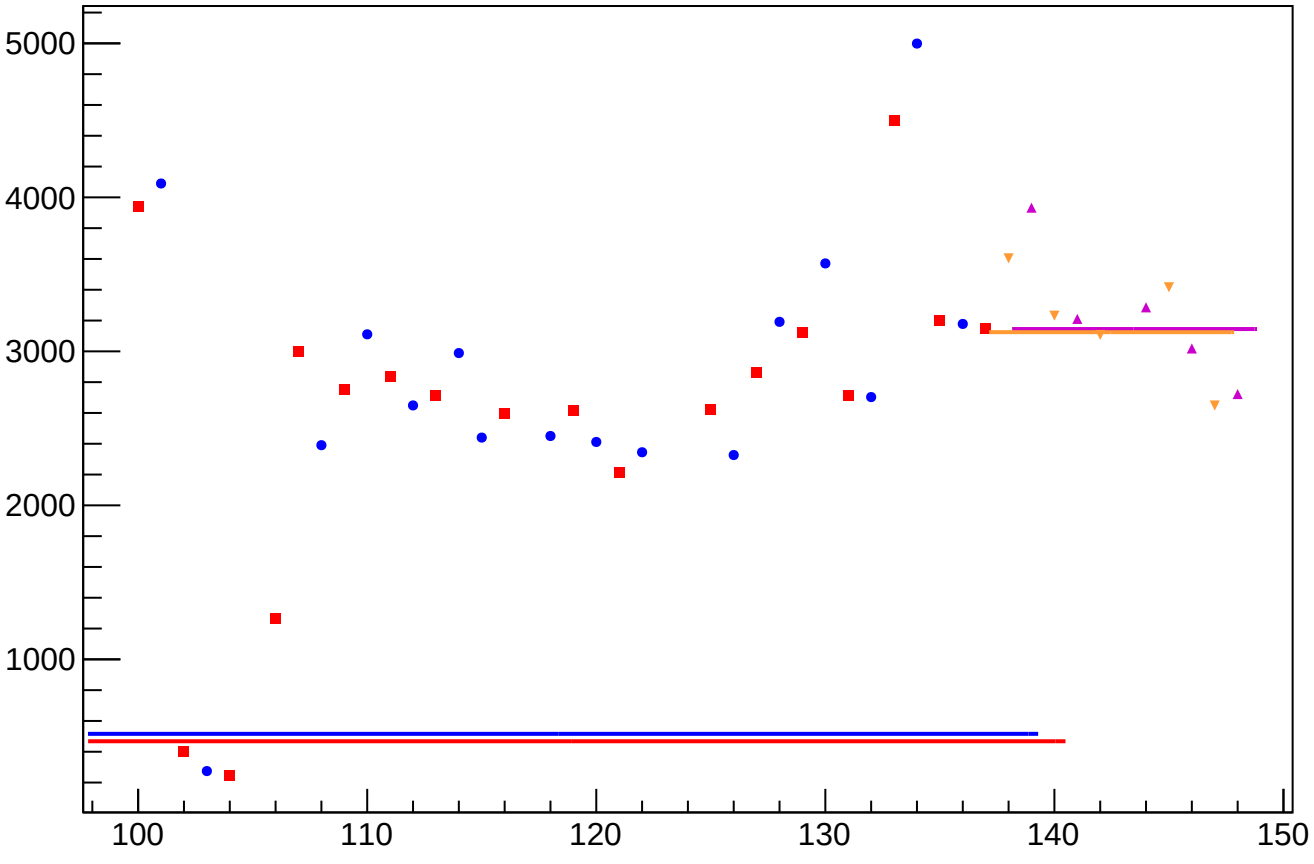
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 849.886+/-1518.734 χ^2/NDF:1.2/4

\+ sign -97.883+/-337.176 χ^2/NDF: 23.5/20

All: 55.257+/-228.468 χ^2/NDF: 39.3/43

\- sign 185.254+/-310.657 χ^2/NDF: 15.4/22



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

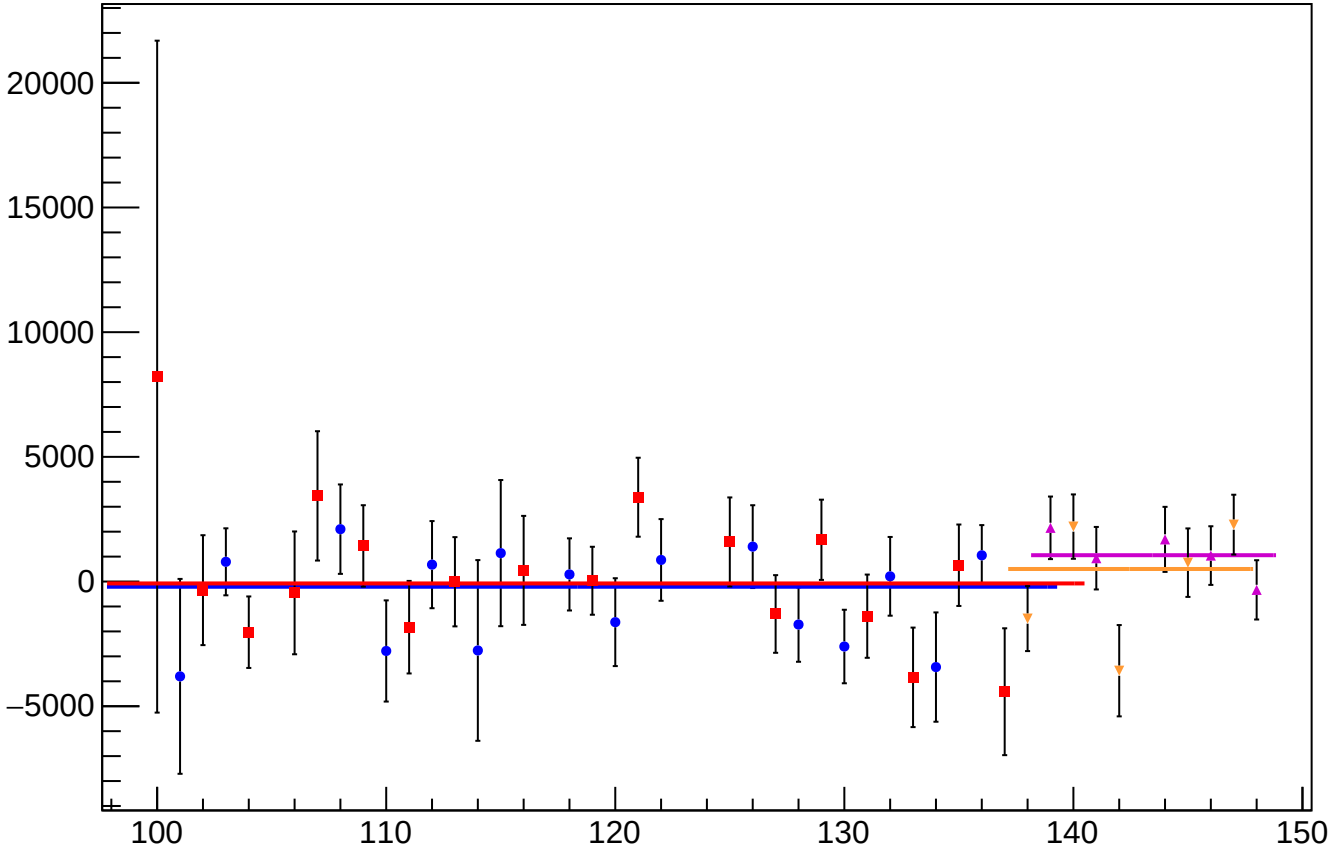
Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

+ sign 626.385+/-0.238 χ^2/NDF: 14767070.6/20

All: 601.331+/-0.162 χ^2/NDF: 29967409.7/43

- sign 580.063+/-0.220 χ^2/NDF: 15179922.3/22

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

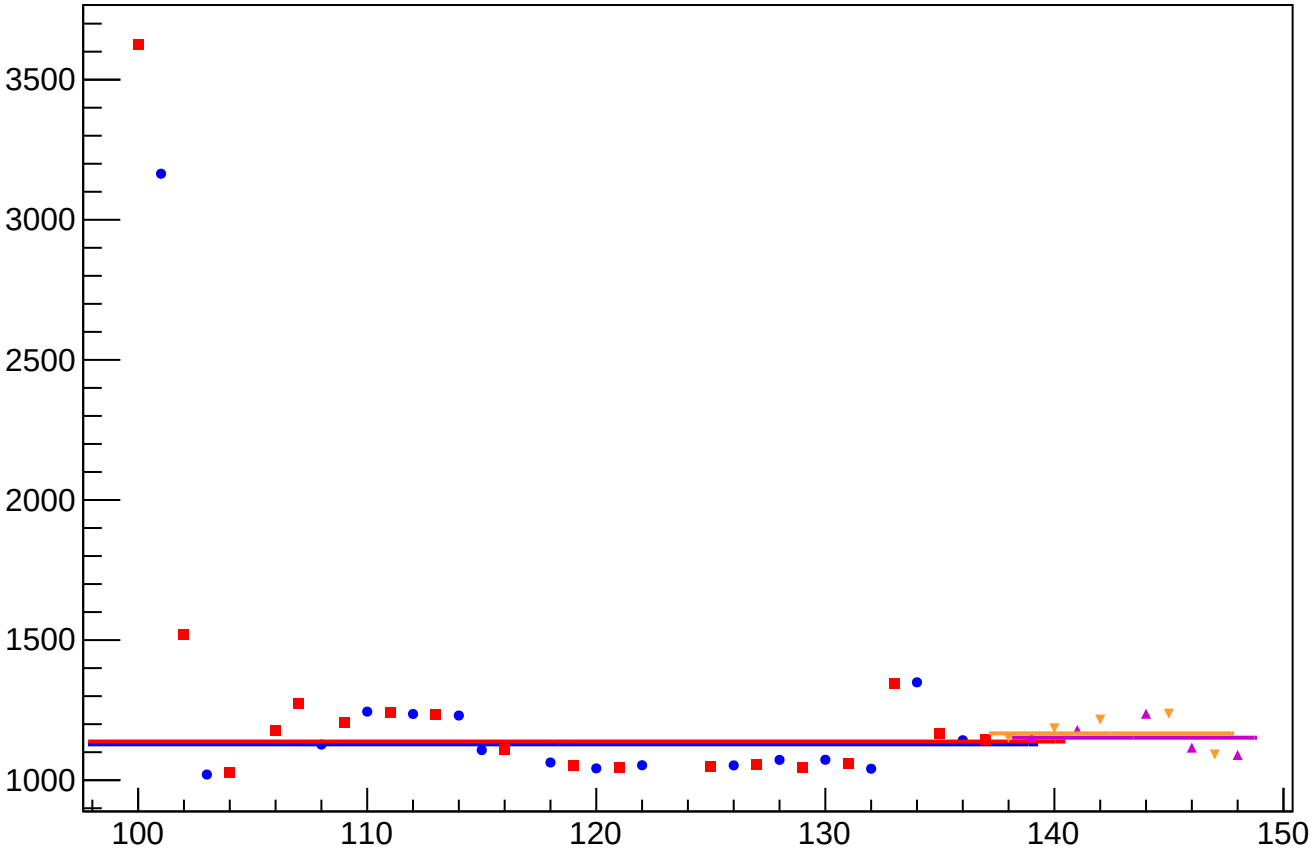
Left In: 1056.375+/-551.221 χ^2/NDF:2.4/4

+ sign 29.118+/-350.445 χ^2/NDF: 26.9/20

All: 196.488+/-243.809 χ^2/NDF: 53.0/43

- sign 353.486+/-339.414 χ^2/NDF: 25.7/22

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

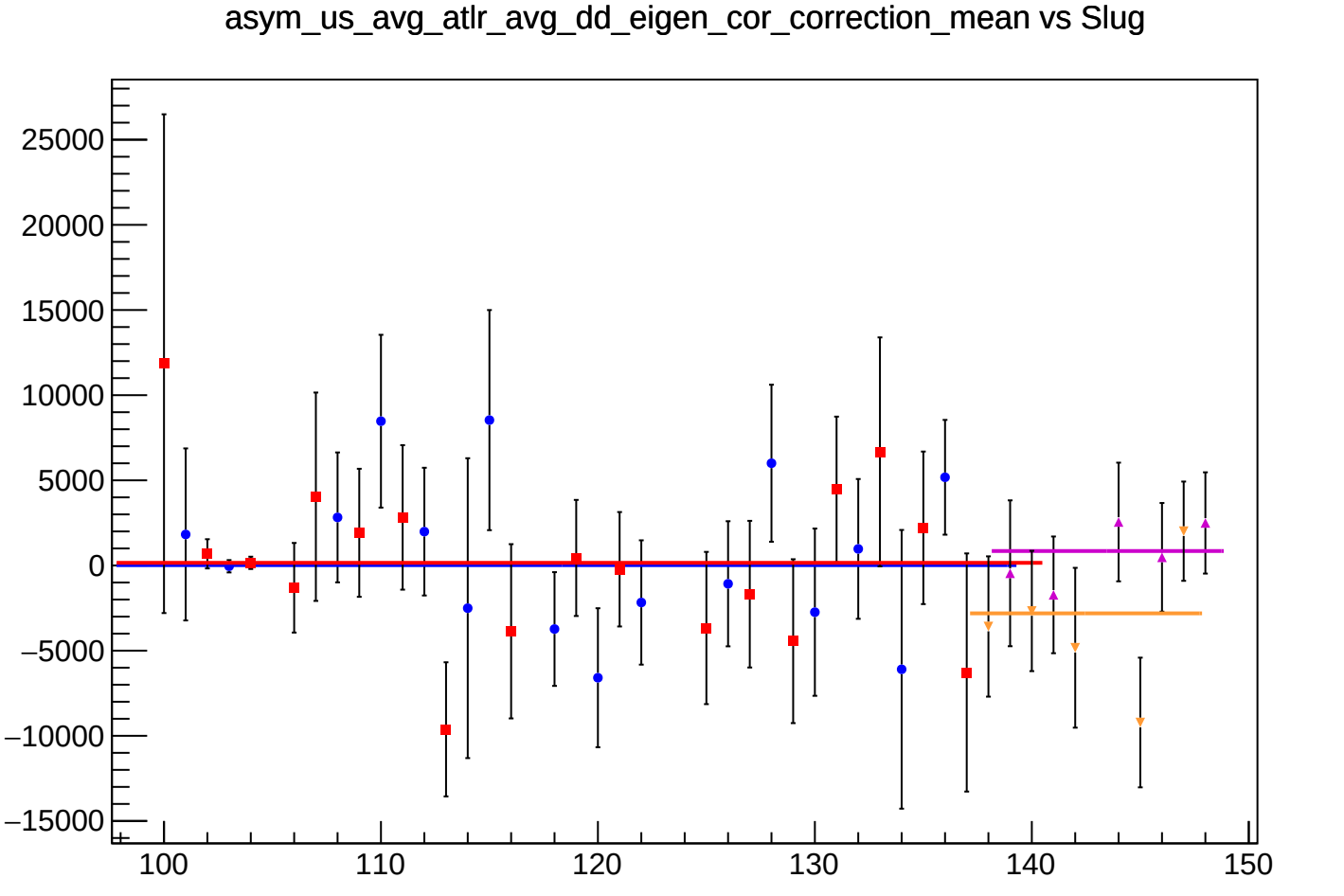
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

+ sign 1141.066+/-0.248 χ^2/NDF: 642219.4/20

All: 1142.165+/-0.172 χ^2/NDF: 880425.8/43

- sign 1143.196+/-0.240 χ^2/NDF: 238168.3/22



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2810.316+/-1641.218 χ^2/NDF:5.8/4

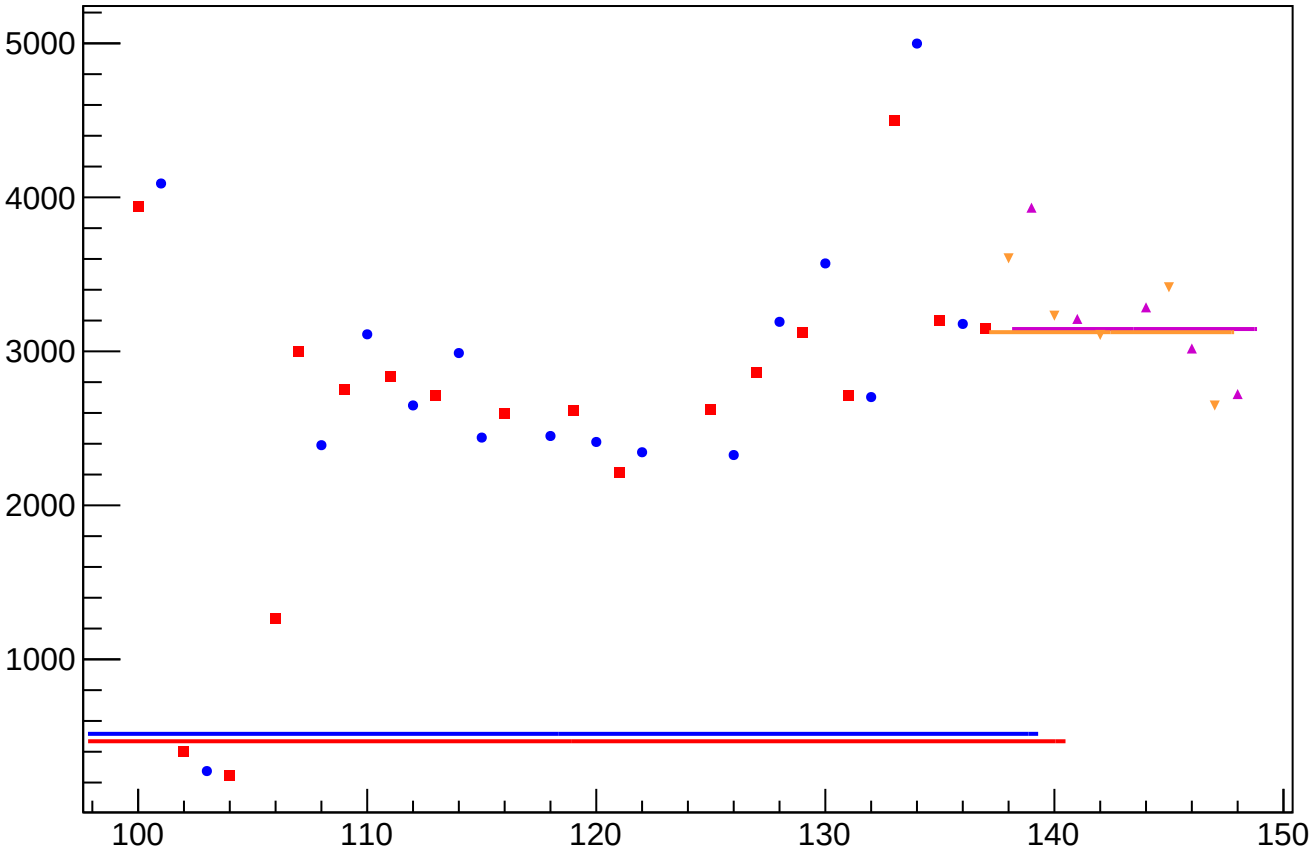
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 849.886+/-1518.734 χ^2/NDF:1.2/4

+ sign -97.883+/-337.176 χ^2/NDF: 23.5/20

All: 55.257+/-228.468 χ^2/NDF: 39.3/43

- sign 185.254+/-310.657 χ^2/NDF: 15.4/22



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

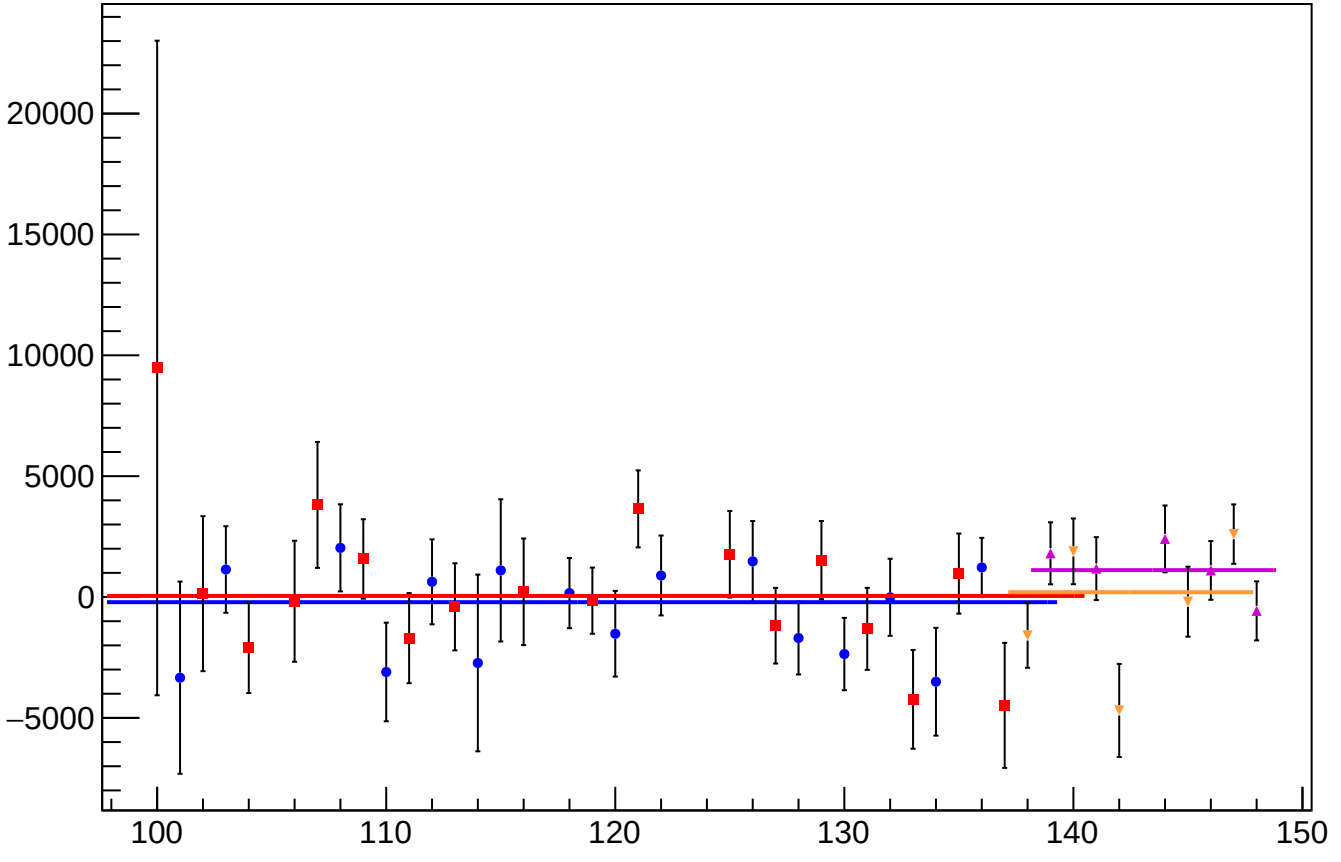
Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

+ sign 626.385+/-0.238 χ^2/NDF: 14767070.6/20

All: 601.331+/-0.162 χ^2/NDF: 29967409.7/43

- sign 580.063+/-0.220 χ^2/NDF: 15179922.3/22

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

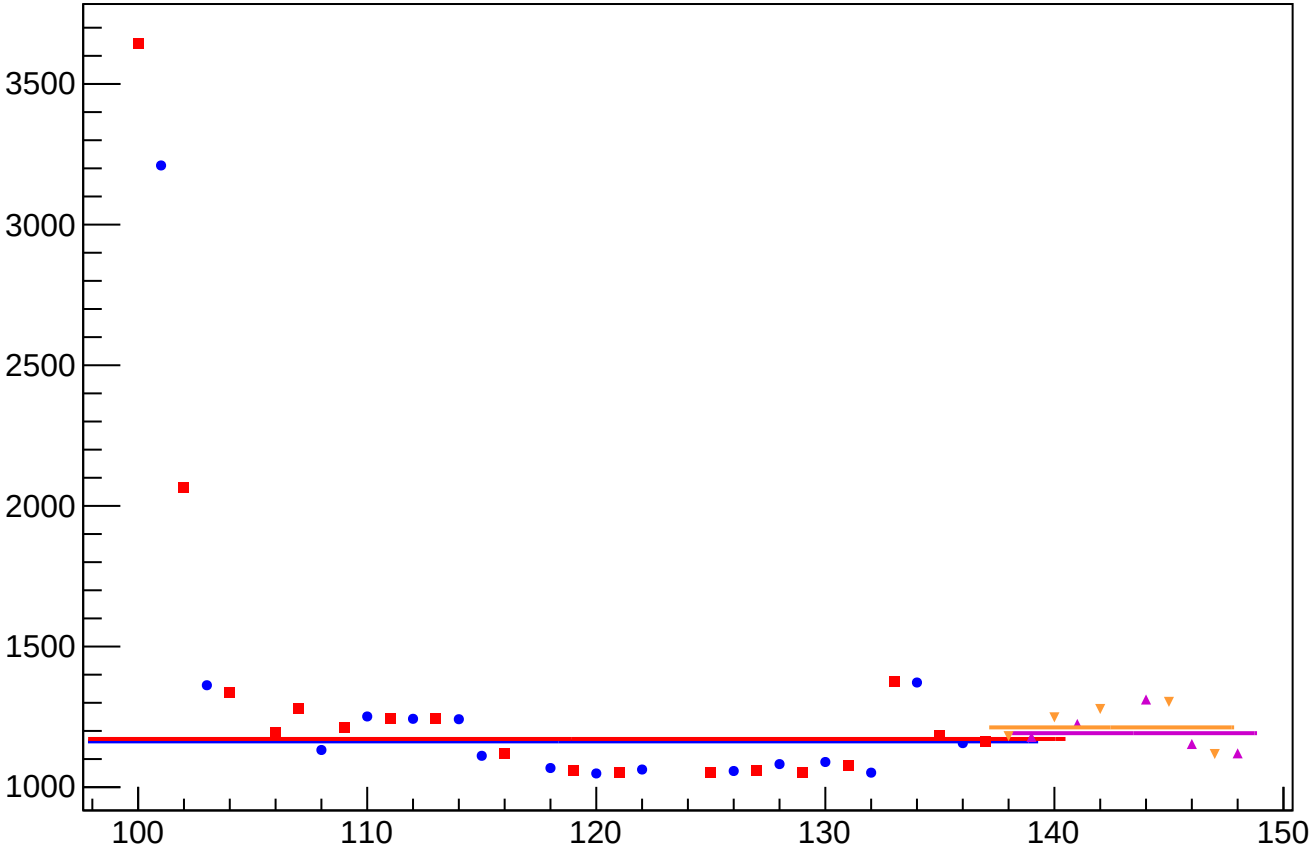
Left In: 1112.858+/-570.885 χ^2/NDF:3.1/4

+ sign -77.150+/-362.451 χ^2/NDF: 28.3/20

All: 194.833+/-252.536 χ^2/NDF: 56.3/43

- sign 451.439+/-352.056 χ^2/NDF: 26.9/22

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

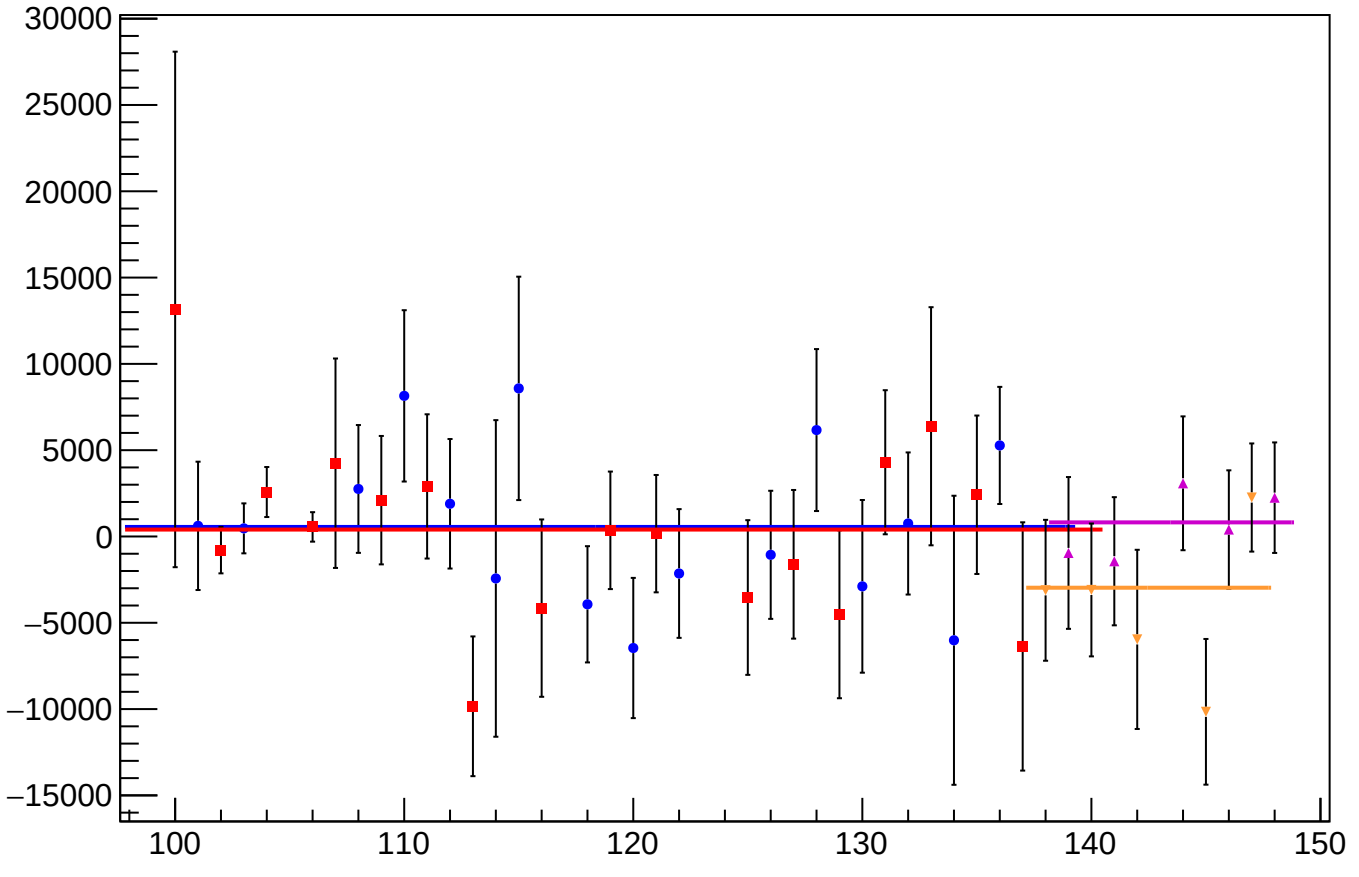
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1191.997+/-0.404 χ^2/NDF:25363.6/4

+ sign 1179.247+/-0.256 χ^2/NDF: 668182.3/20

All: 1179.244+/-0.179 χ^2/NDF: 1026797.3/43

- sign 1179.241+/-0.249 χ^2/NDF: 358615.1/22



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -2968.725+/-1760.404 χ^2/NDF:6.0/4

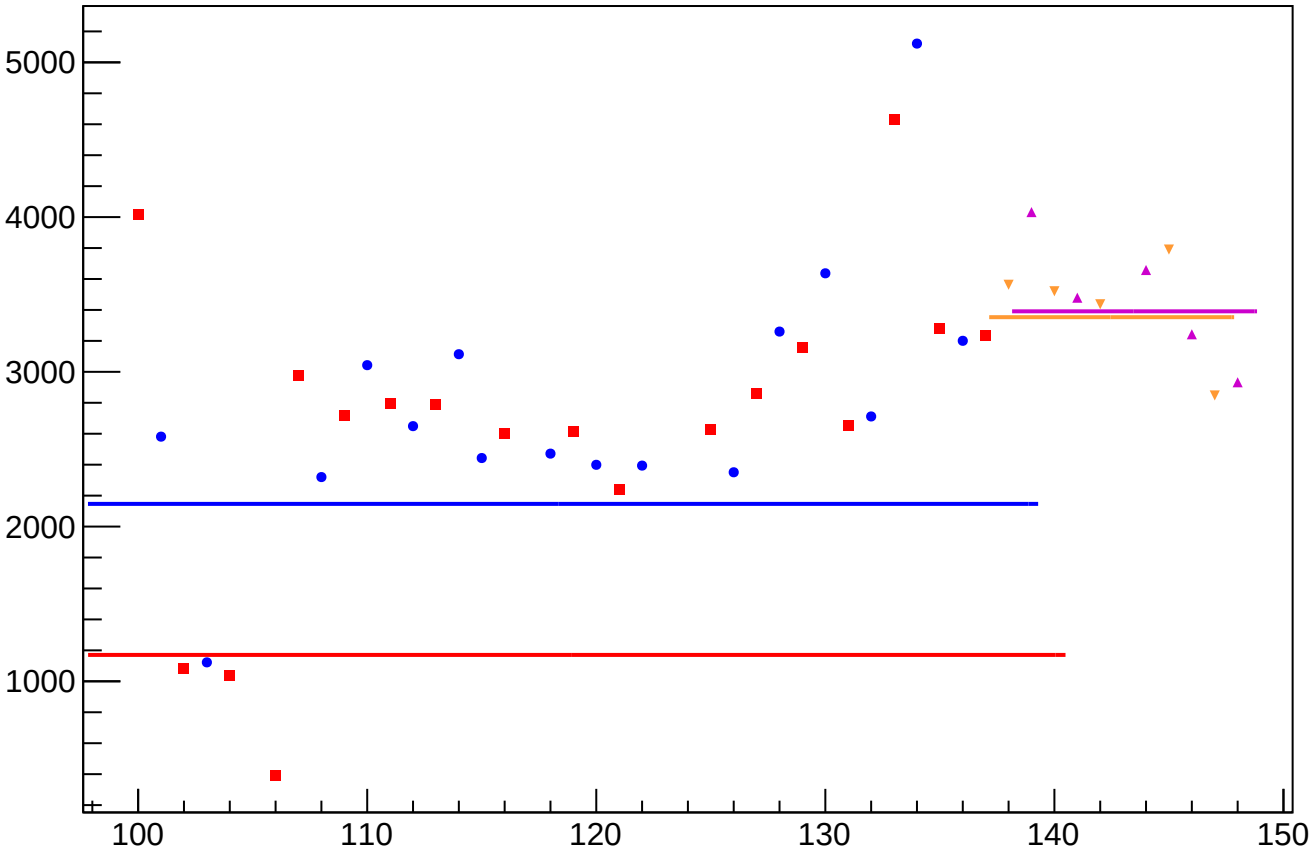
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 817.049+/-1636.633 χ^2/NDF:1.1/4

\+ sign -143.961+/-782.921 χ^2/NDF: 23.6/20

All: 257.563+/-441.610 χ^2/NDF: 41.8/43

\- sign 444.918+/-534.806 χ^2/NDF: 17.8/22



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

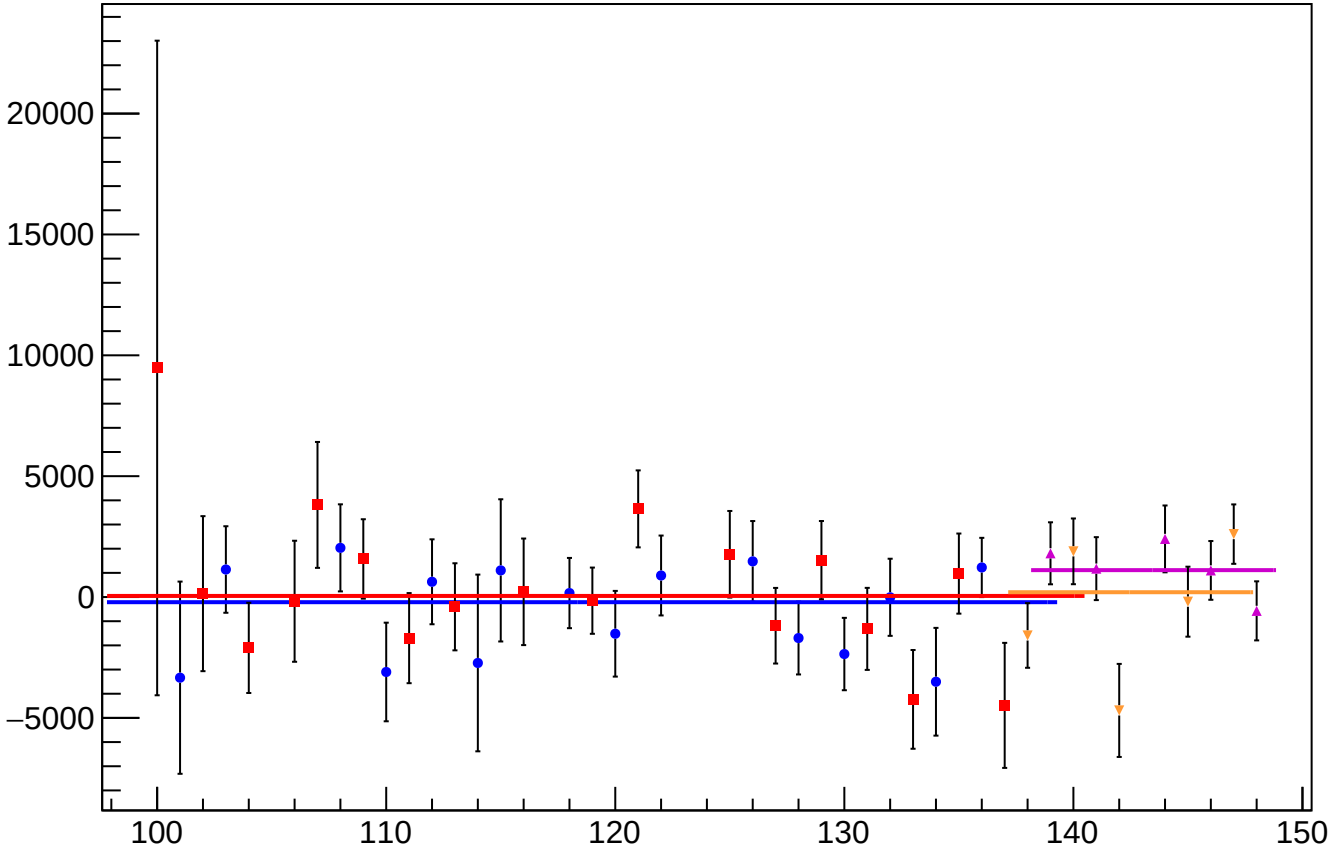
Left In: 3391.033+/-1.157 χ^2/NDF:97903.8/4

+ sign 2385.266+/-0.554 χ^2/NDF: 2811559.9/20

All: 1718.702+/-0.312 χ^2/NDF: 14141390.4/4

- sign 1407.674+/-0.378 χ^2/NDF: 9203684.9/22

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

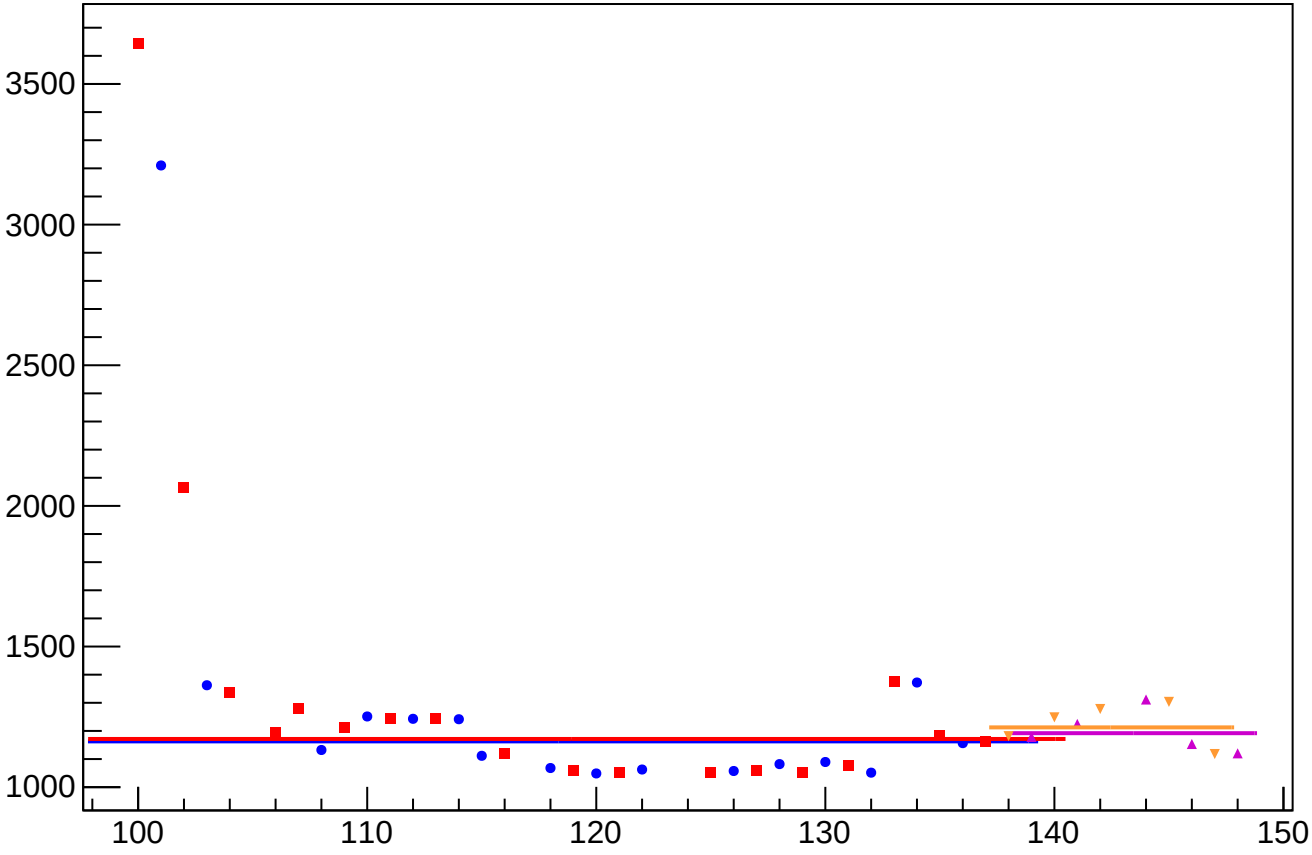
Left In: 1112.855+/-570.885 χ^2/NDF:3.1/4

+ sign -77.155+/-362.451 χ^2/NDF: 28.3/20

All: 194.831+/-252.536 χ^2/NDF: 56.3/43

- sign 451.440+/-352.057 χ^2/NDF: 26.9/22

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

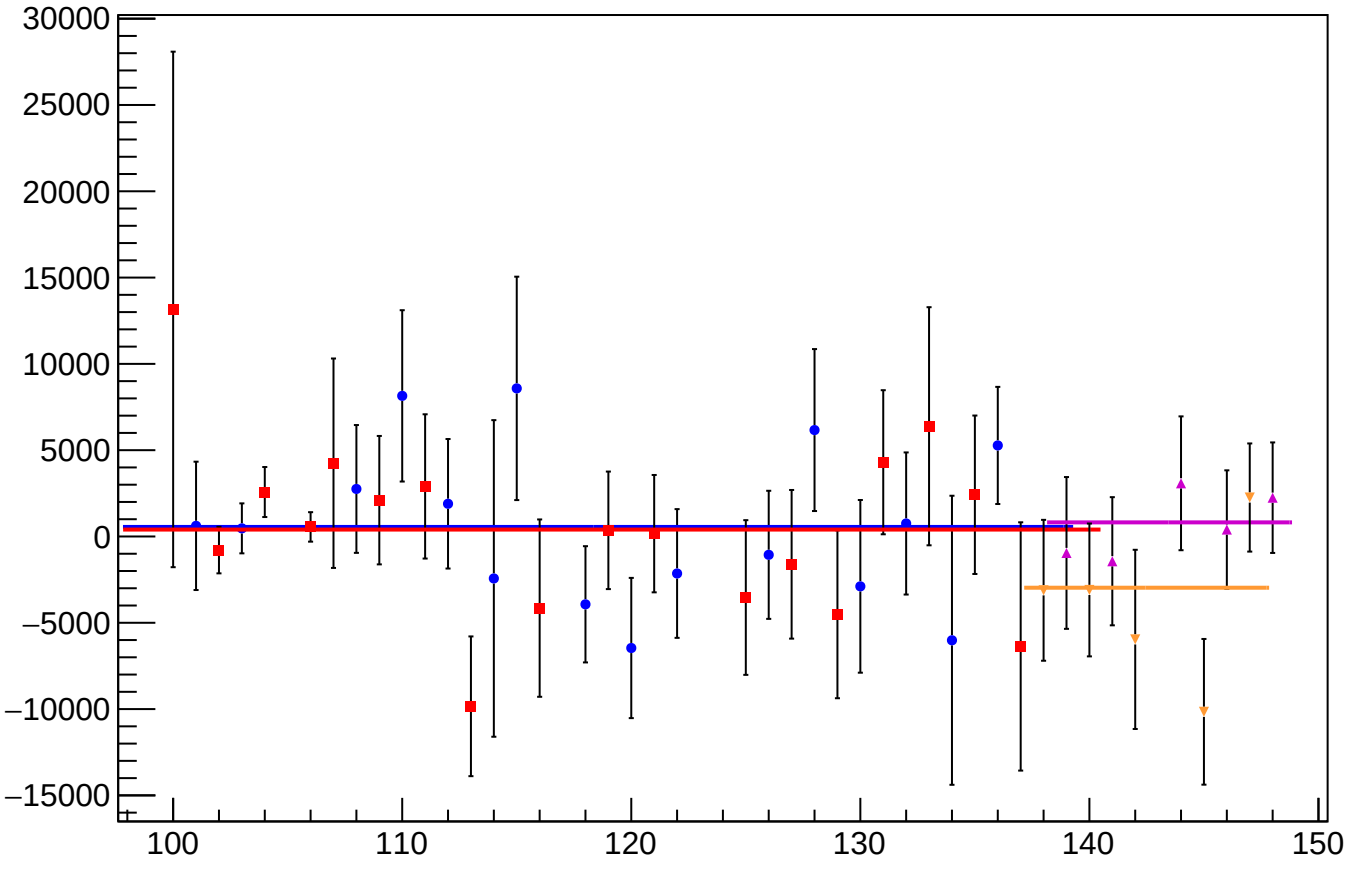
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1191.998+/-0.404 χ^2/NDF:25363.6/4

+ sign 1179.247+/-0.256 χ^2/NDF: 668183.1/20

All: 1179.244+/-0.179 χ^2/NDF: 1026798.0/43

- sign 1179.241+/-0.249 χ^2/NDF: 358614.9/22



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -2968.731+/-1760.407 χ^2/NDF:6.0/4

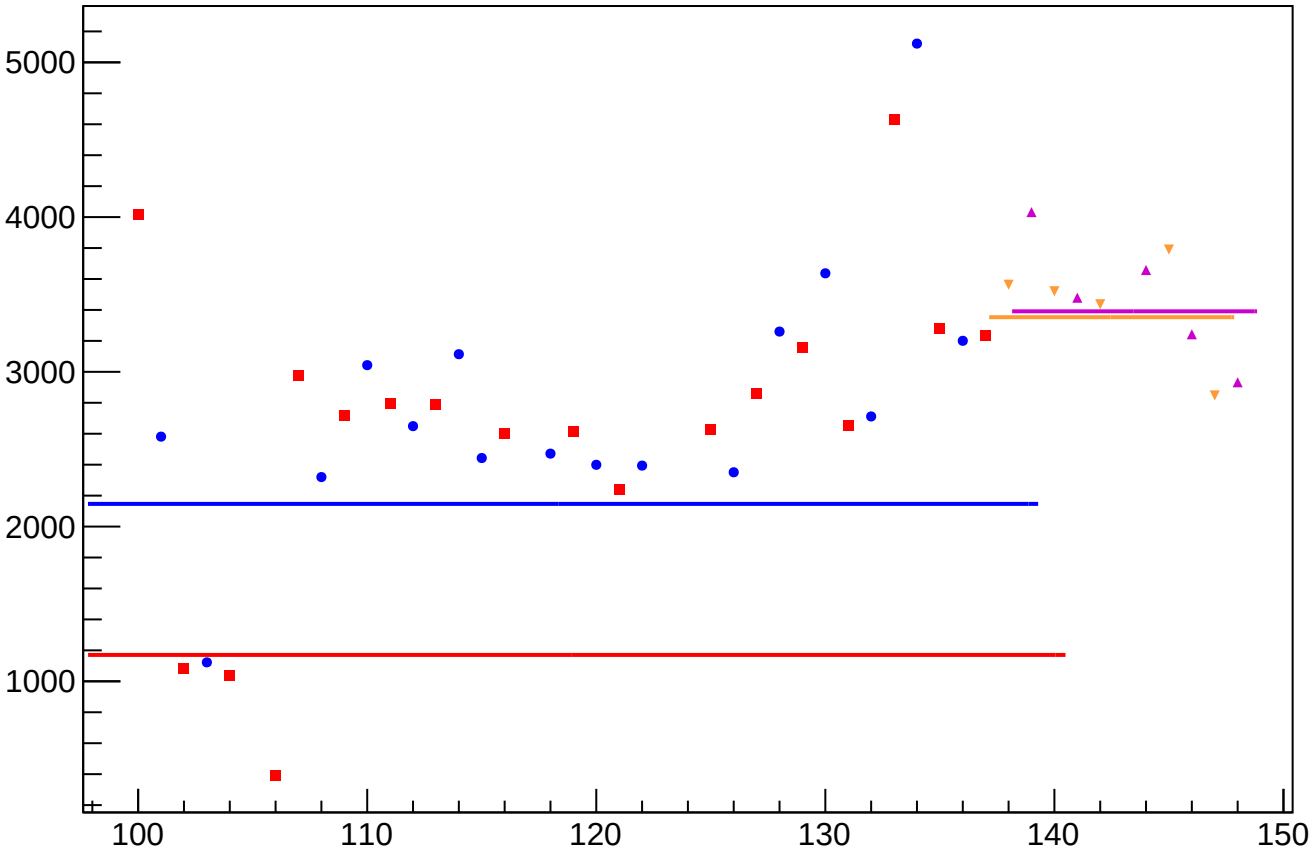
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 817.045+/-1636.635 χ^2/NDF:1.1/4

\+ sign -143.964+/-782.921 χ^2/NDF: 23.6/20

All: 257.564+/-441.606 χ^2/NDF: 41.8/43

\- sign 444.918+/-534.801 χ^2/NDF: 17.8/22



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

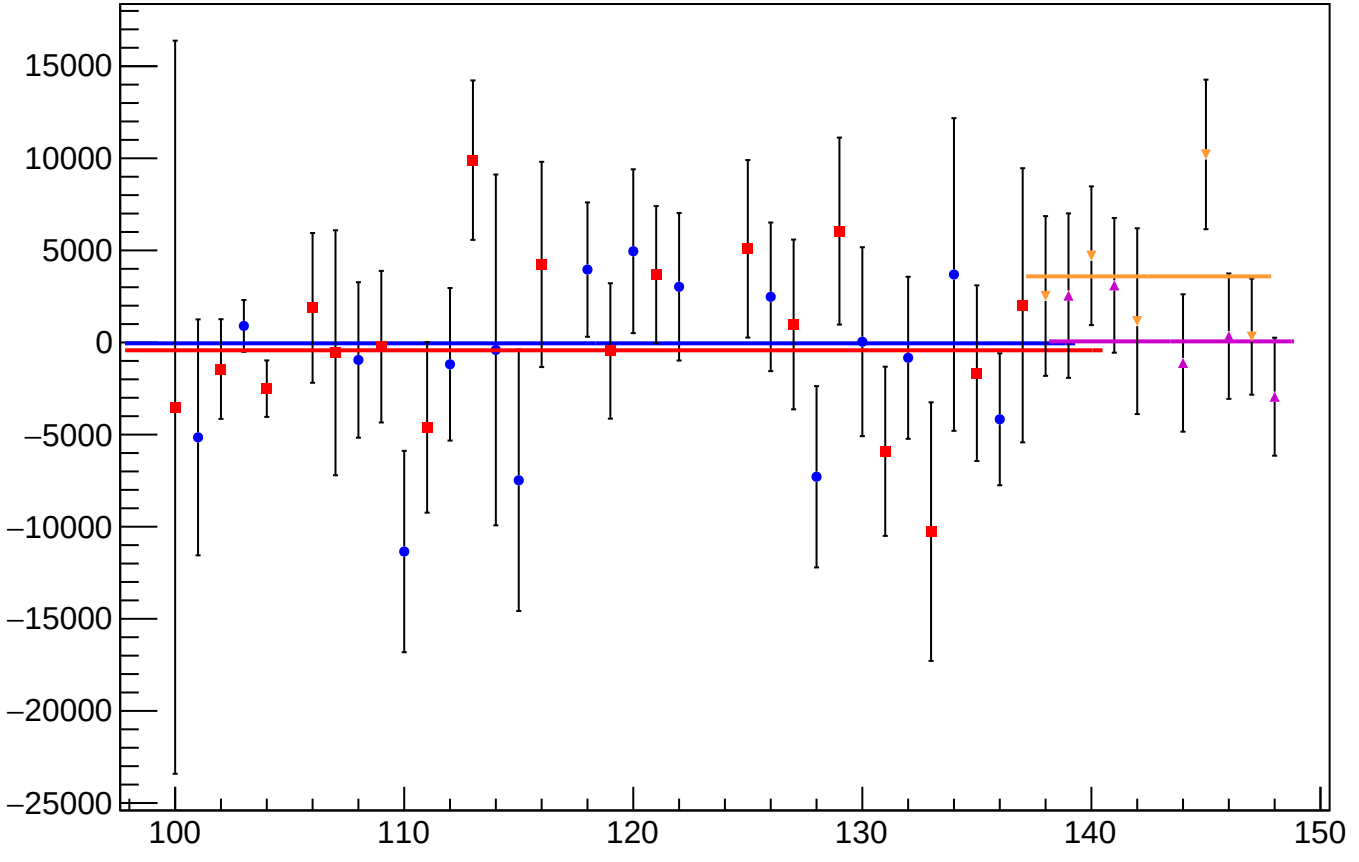
Left In: 3391.037+/-1.157 χ^2/NDF:97904.7/4

+ sign 2385.263+/-0.554 χ^2/NDF: 2811564.6/20

All: 1718.679+/-0.312 χ^2/NDF: 14141722.0/4

- sign 1407.649+/-0.378 χ^2/NDF: 9203894.0/22

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

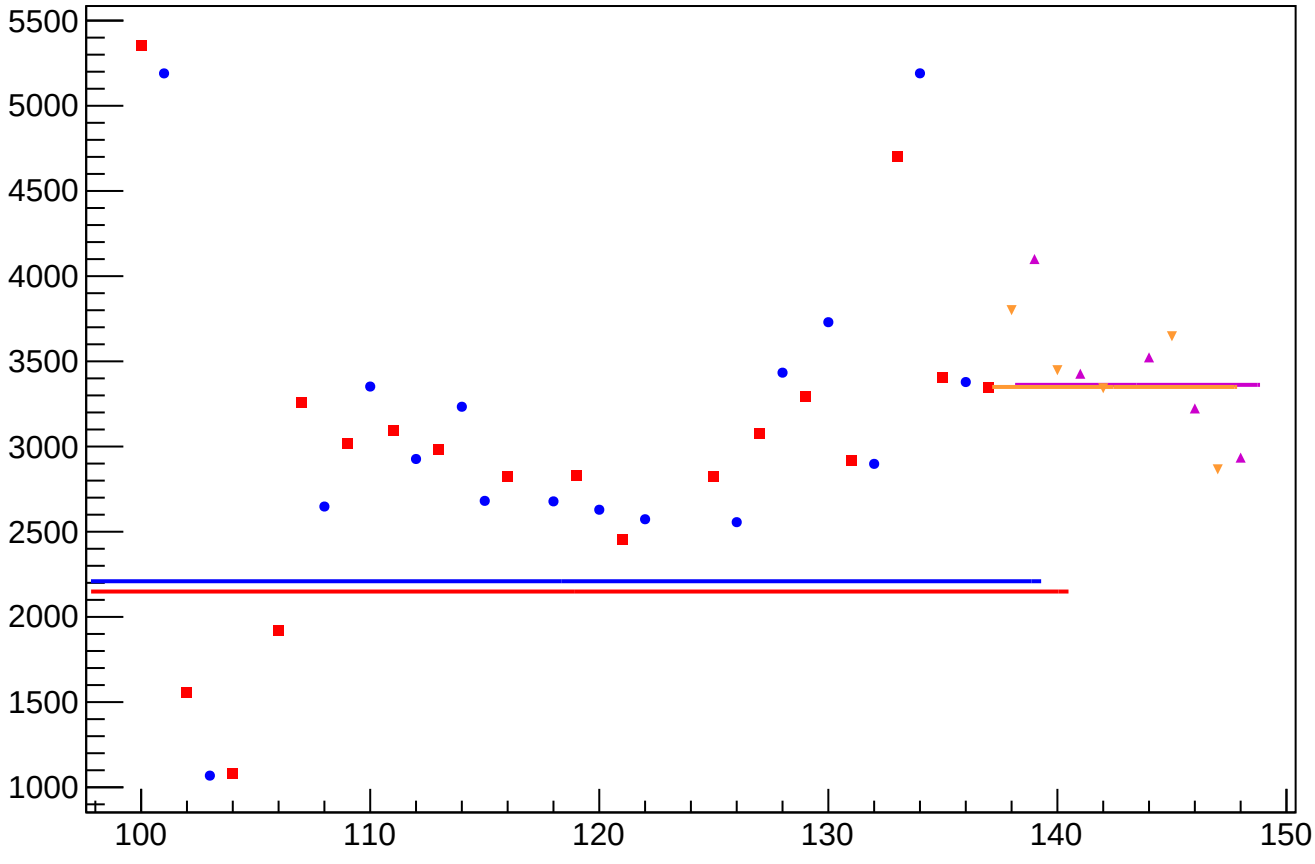
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 60.512+/-1620.740 χ^2/NDF:2.0/4

+ sign 738.456+/-815.447 χ^2/NDF: 21.2/20

All: 194.030+/-565.402 χ^2/NDF: 41.5/43

- sign -310.040+/-784.642 χ^2/NDF: 19.4/22



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3349.682+/-1.242 χ^2/NDF:80767.3/4

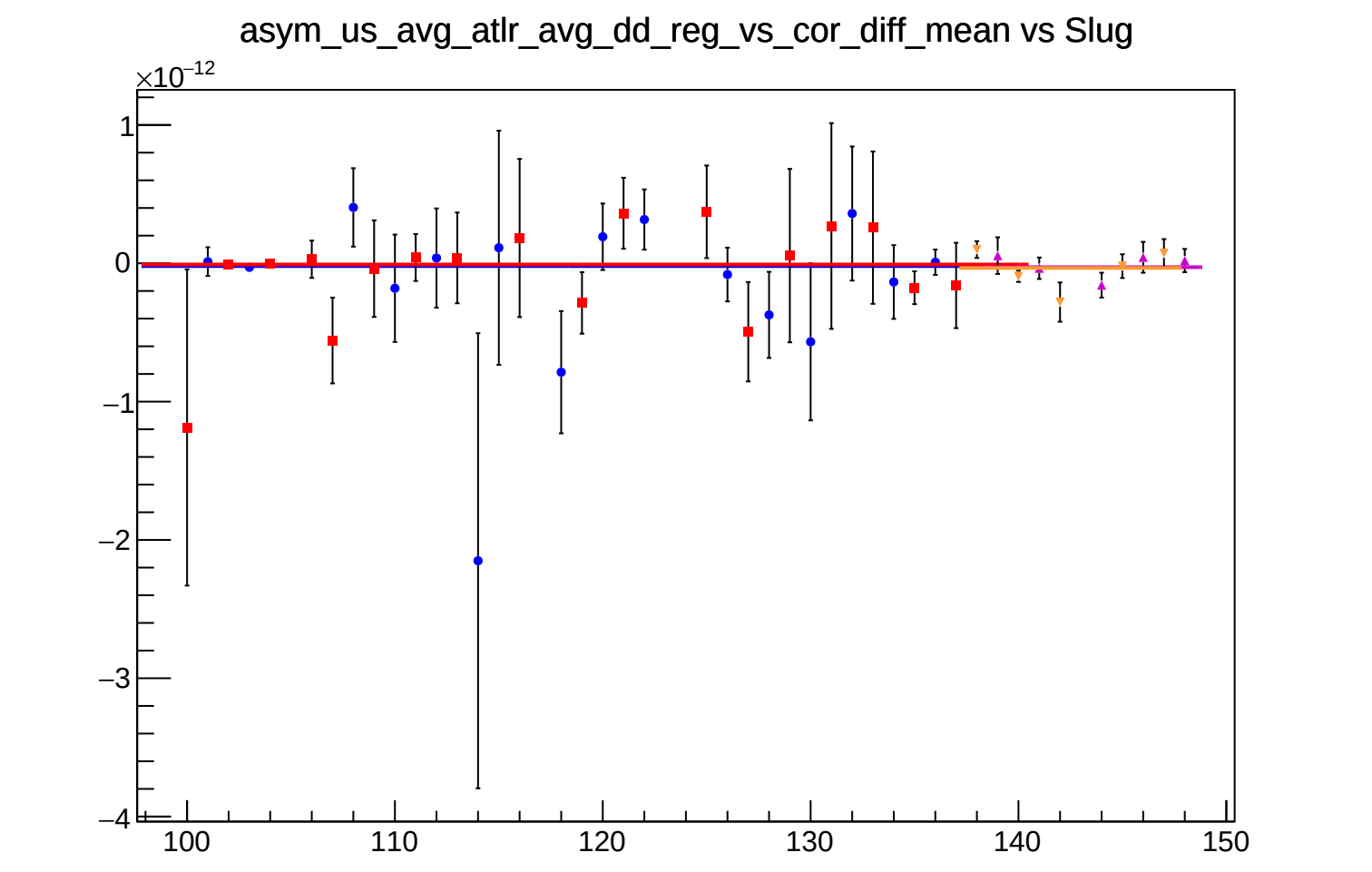
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3362.048+/-1.146 χ^2/NDF:97965.9/4

+ sign 2455.238+/-0.577 χ^2/NDF: 3579146.0/20

All: 2443.270+/-0.399 χ^2/NDF: 6806411.9/43

- sign 2432.231+/-0.554 χ^2/NDF: 3226437.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/4

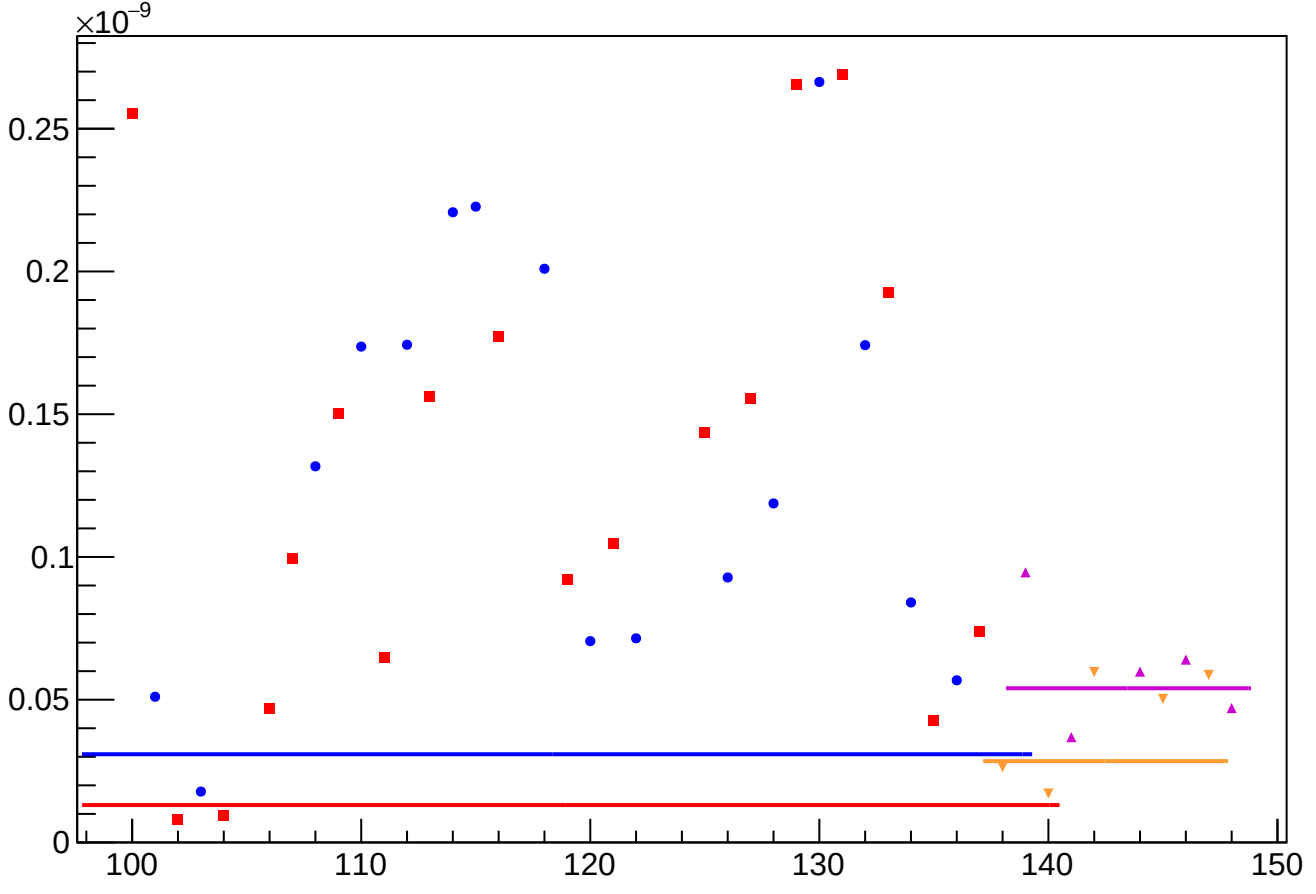
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/20

All: -0.000+/-0.000 χ^2/NDF: 42.8/43

- sign -0.000+/-0.000 χ^2/NDF: 17.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:557515.3/4

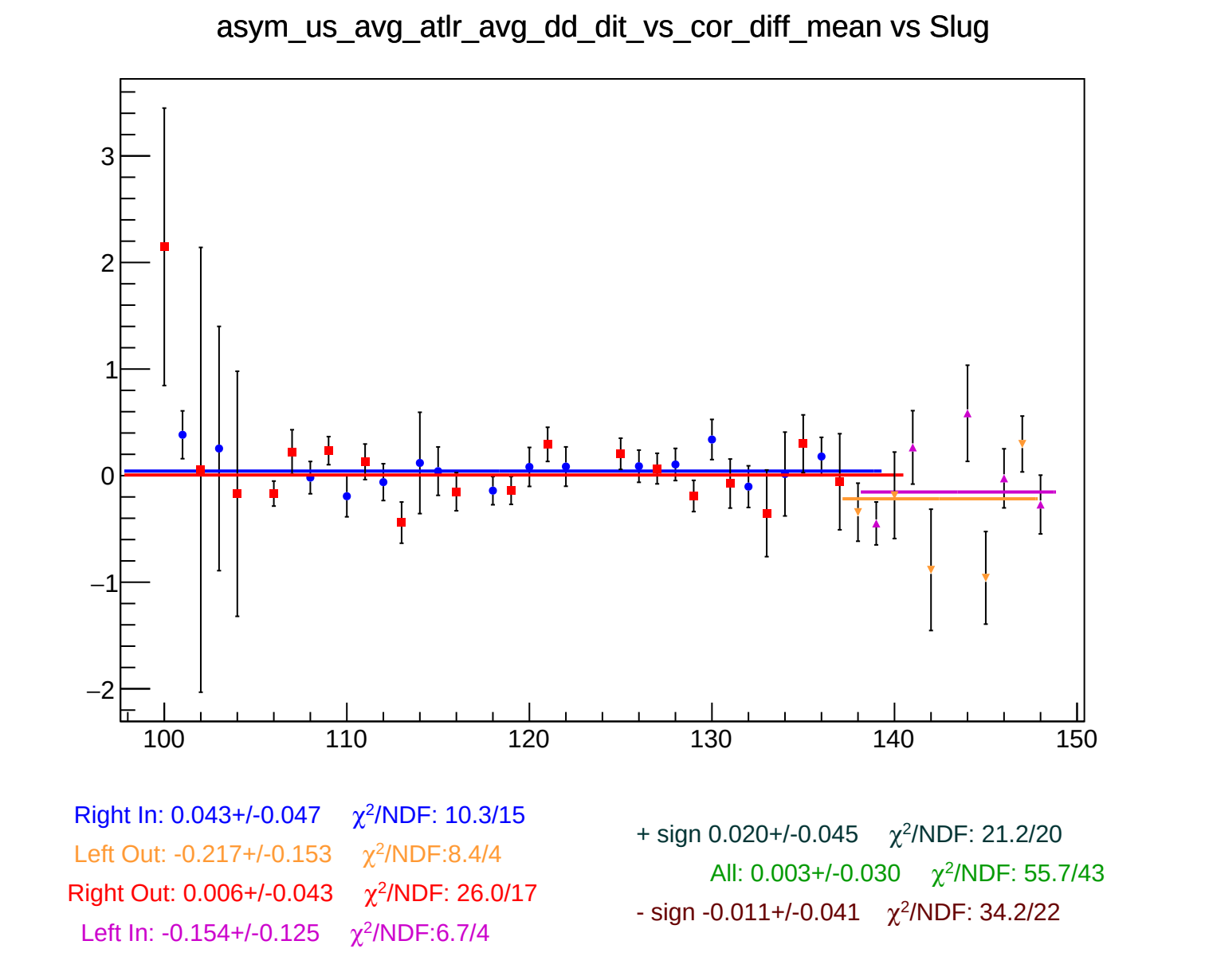
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

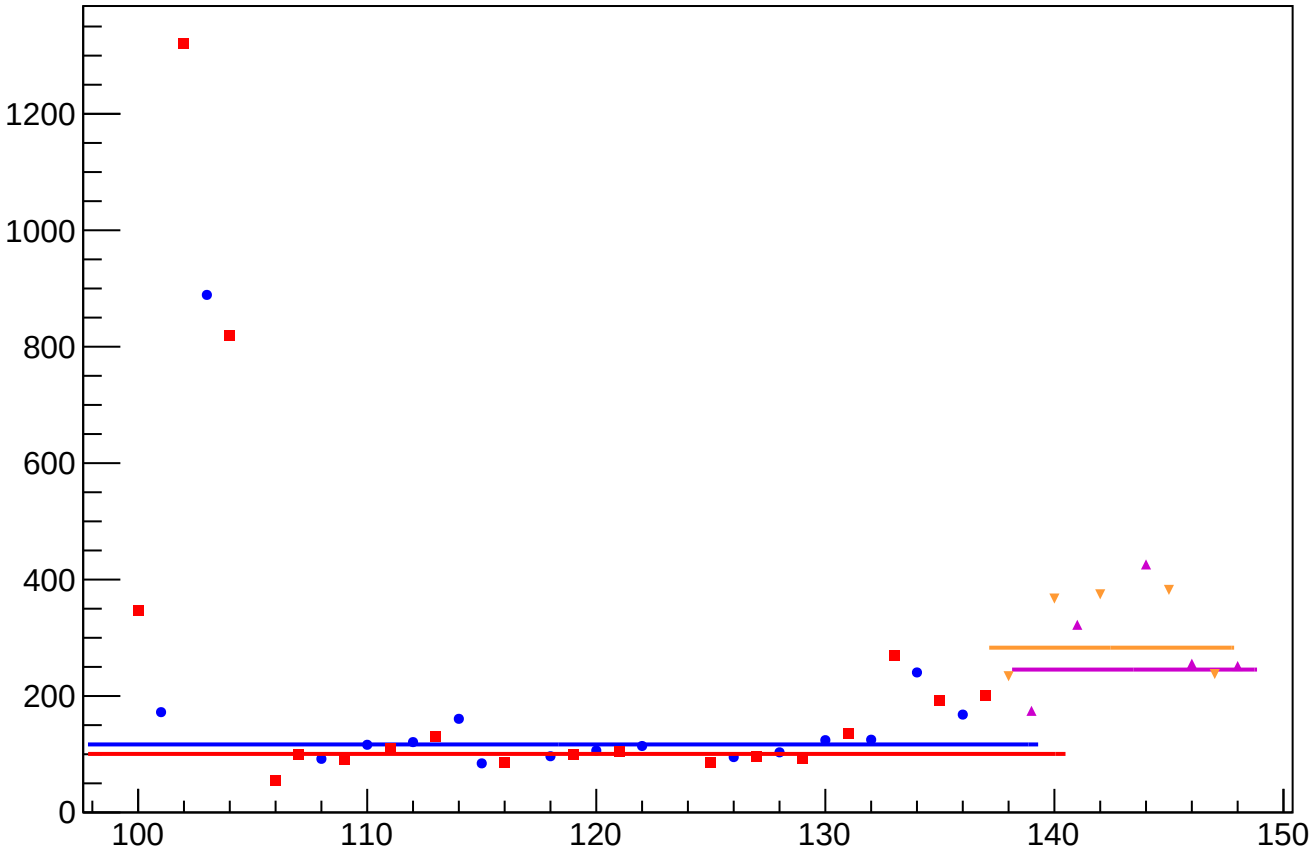
Left In: 0.000+/-0.000 χ^2/NDF:323524.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3563688.8/20

All: 0.000+/-0.000 χ^2/NDF: 9761940.8/43

- sign 0.000+/-0.000 χ^2/NDF: 5675041.1/22


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
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: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.020+/-0.045 χ²/NDF: 21.2/20
All: 0.003+/-0.030 χ²/NDF: 55.7/43
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 283.039+/-0.108 χ^2/NDF:367400.1/4

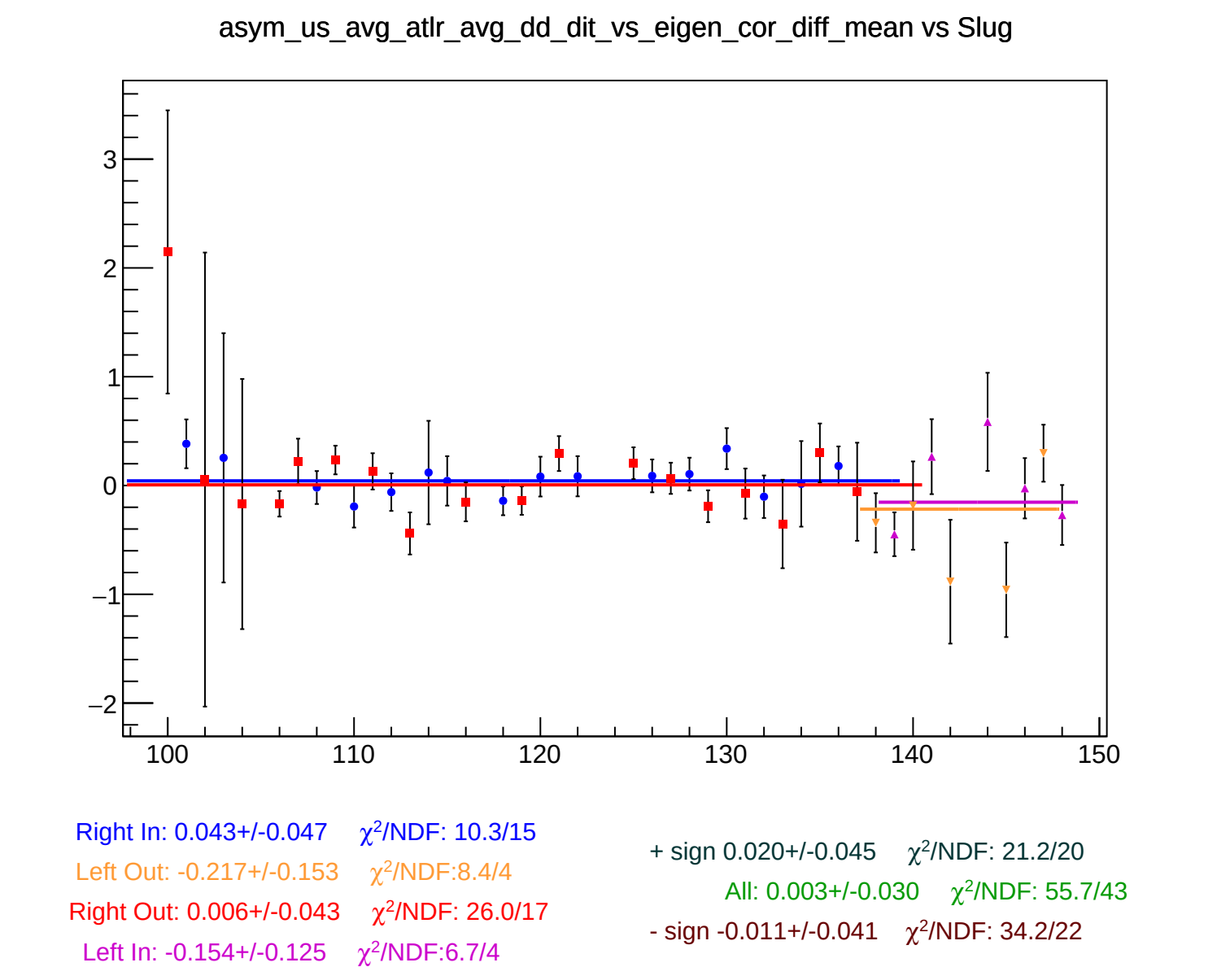
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

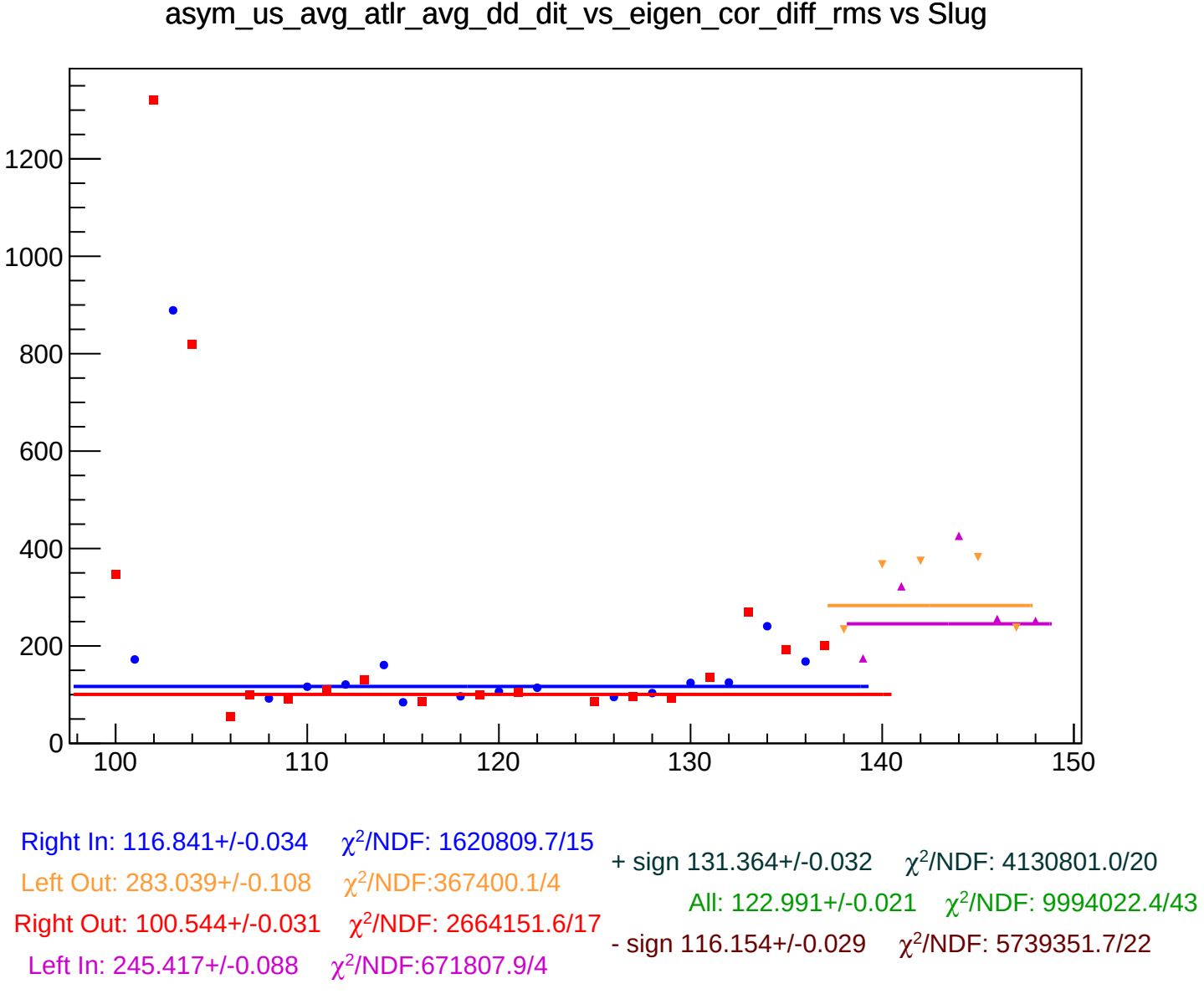
Left In: 245.417+/-0.088 χ^2/NDF:671807.9/4

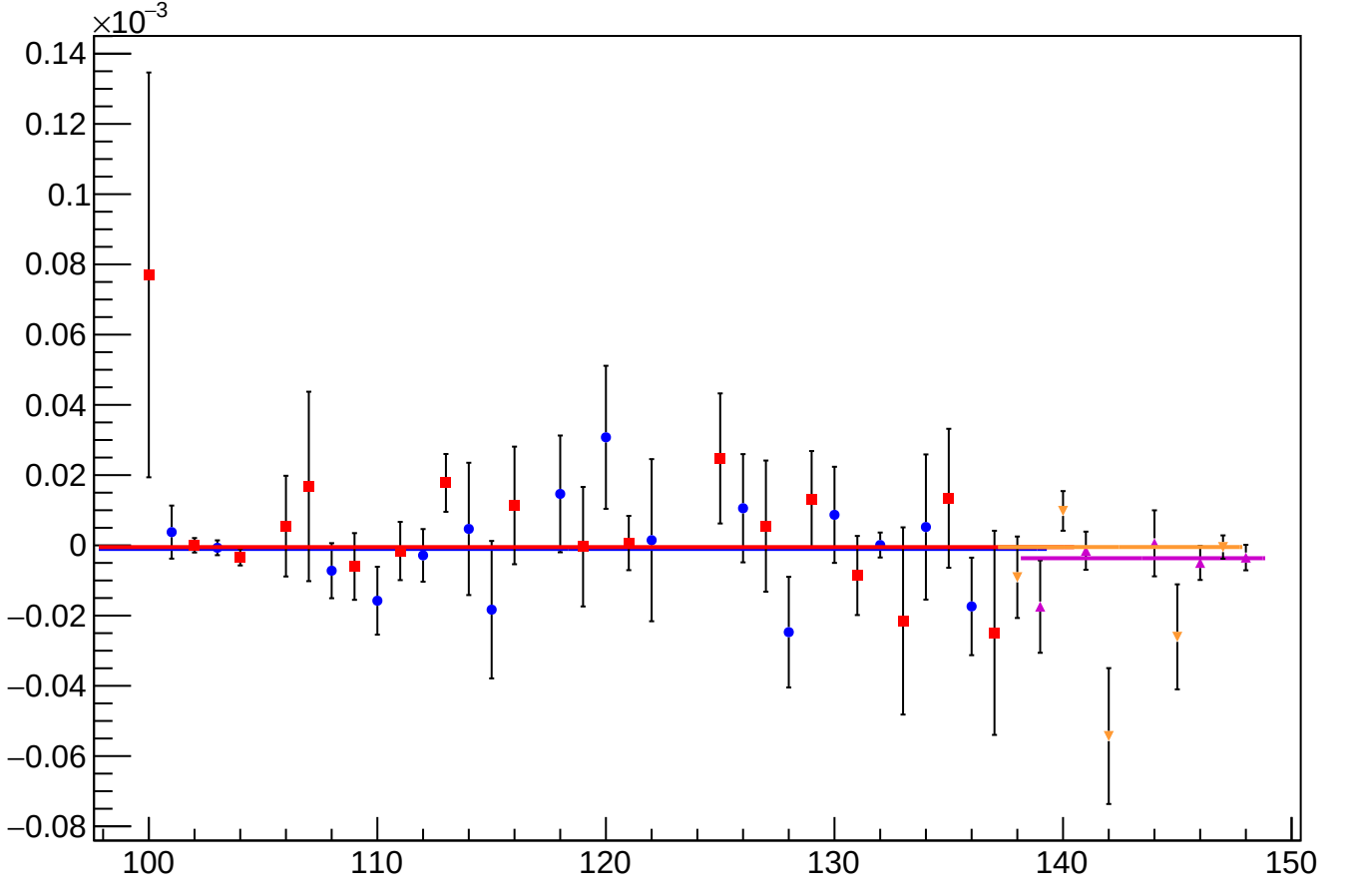
+ sign 131.364+/-0.032 χ^2/NDF: 4130801.0/20

All: 122.991+/-0.021 χ^2/NDF: 9994022.4/43

- sign 116.154+/-0.029 χ^2/NDF: 5739351.7/22


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
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: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.020+/-0.045 χ²/NDF: 21.2/20
All: 0.003+/-0.030 χ²/NDF: 55.7/43
- sign -0.011+/-0.041 χ²/NDF: 34.2/22


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 116.841+/-0.034 χ²/NDF: 1620809.7/15
Left Out: 283.039+/-0.108 χ²/NDF:367400.1/4
Right Out: 100.544+/-0.031 χ²/NDF: 2664151.6/17
Left In: 245.417+/-0.088 χ²/NDF:671807.9/4
+ sign 131.364+/-0.032 χ²/NDF: 4130801.0/20
All: 122.991+/-0.021 χ²/NDF: 9994022.4/43
- sign 116.154+/-0.029 χ²/NDF: 5739351.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/4

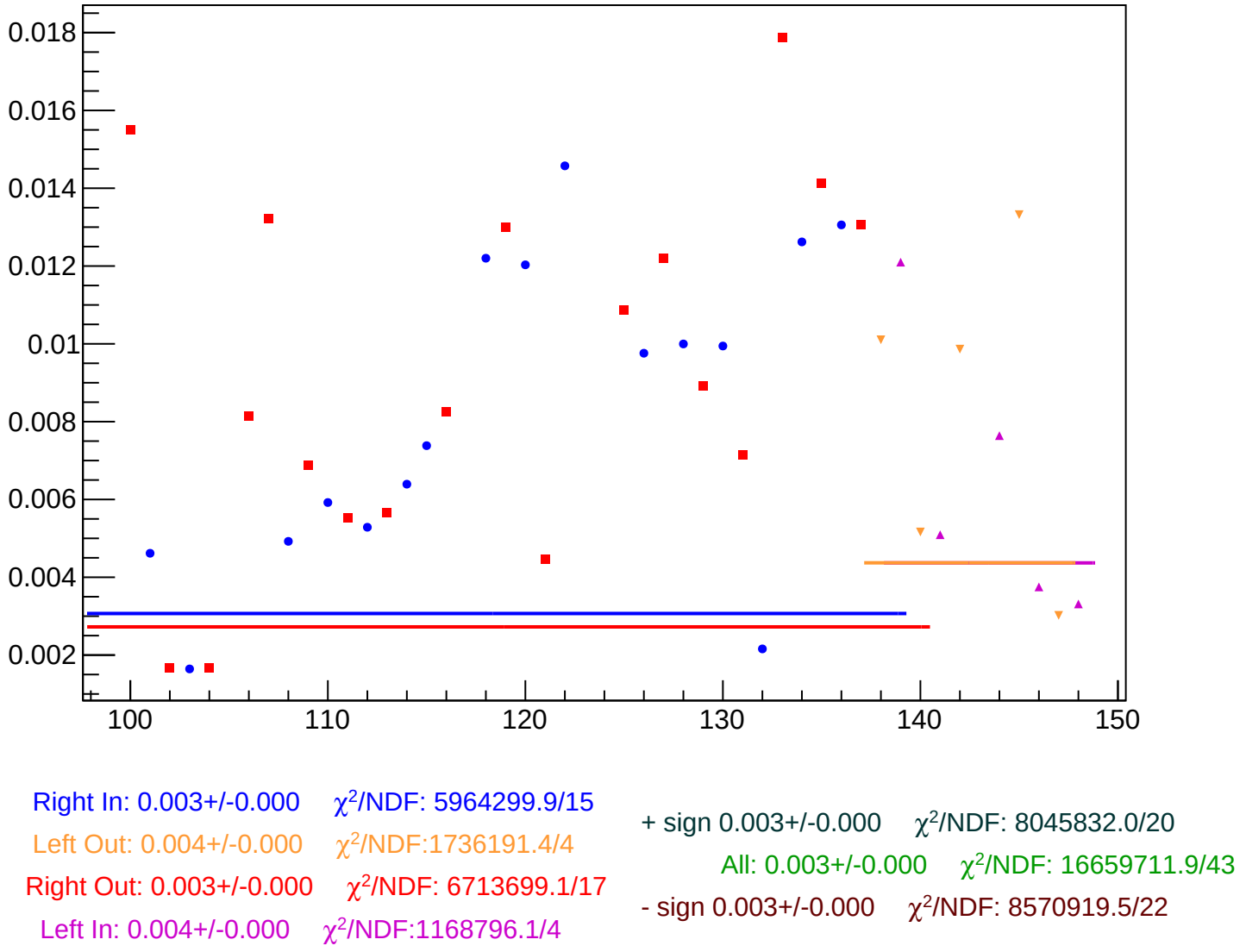
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

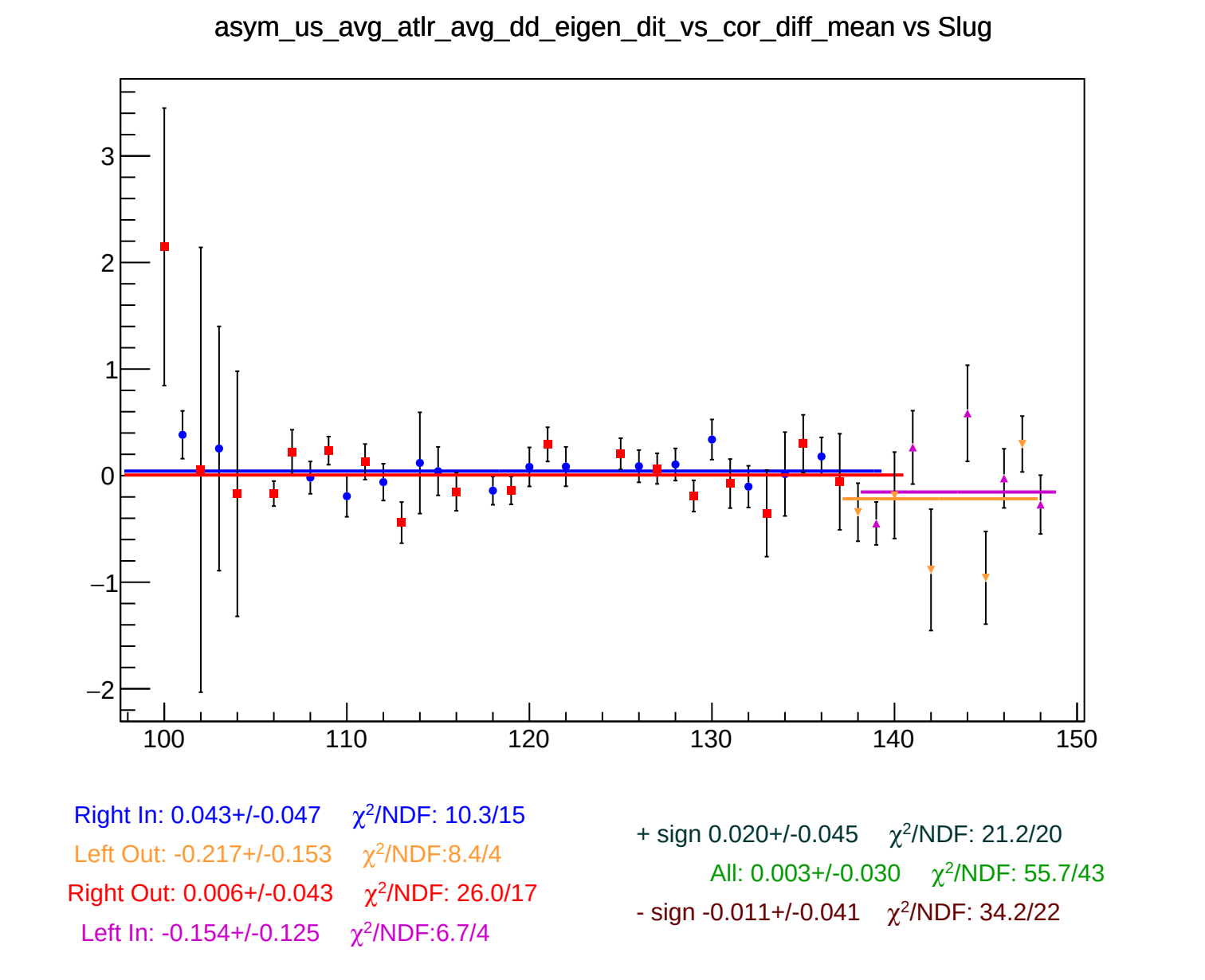
Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

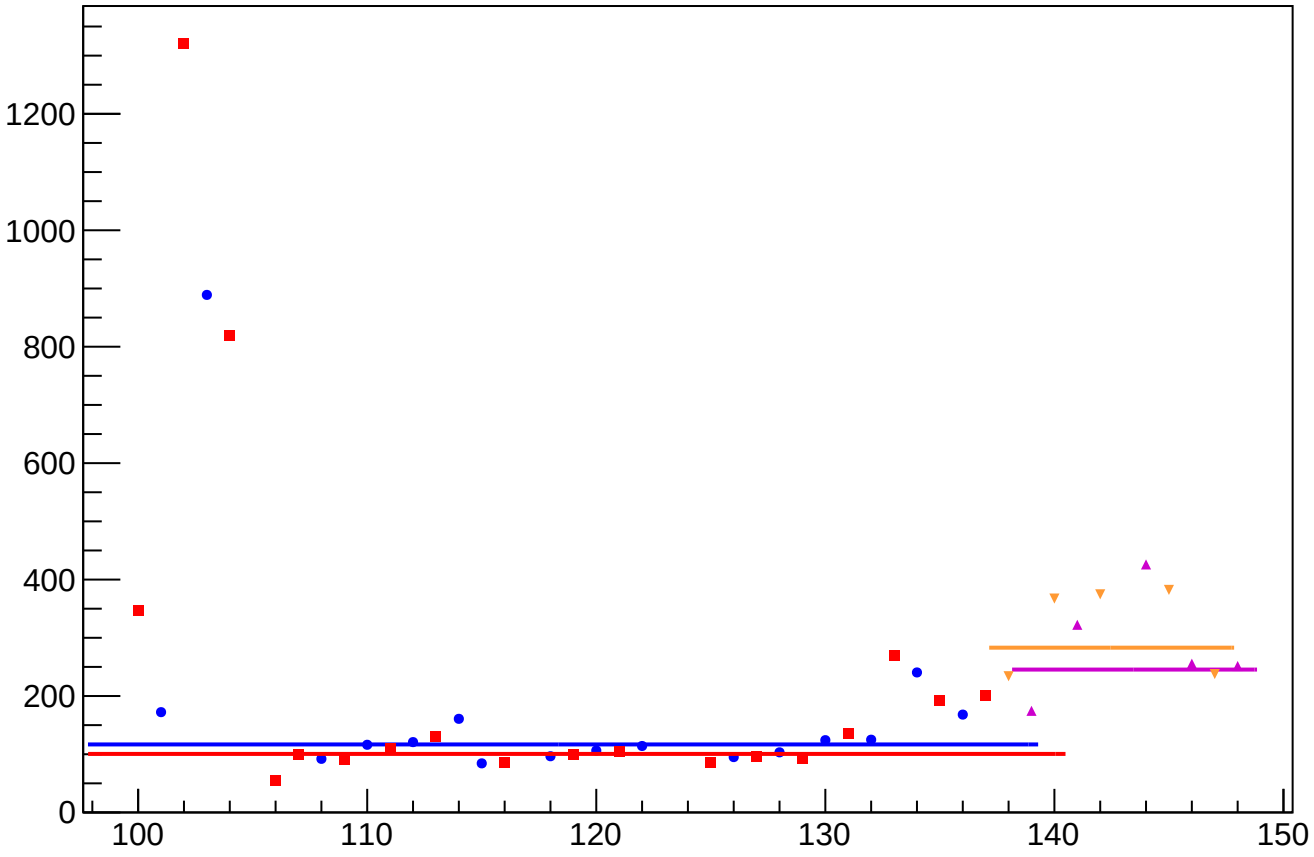
+ sign -0.000+/-0.000 χ^2/NDF: 27.1/20

All: -0.000+/-0.000 χ^2/NDF: 45.0/43

- sign -0.000+/-0.000 χ^2/NDF: 17.9/22


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
150
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: 0.004+/-0.000 χ²/NDF:1168796.1/4
+ sign 0.003+/-0.000 χ²/NDF: 8045832.0/20
All: 0.003+/-0.000 χ²/NDF: 16659711.9/43
- sign 0.003+/-0.000 χ²/NDF: 8570919.5/22


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
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: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.020+/-0.045 χ²/NDF: 21.2/20
All: 0.003+/-0.030 χ²/NDF: 55.7/43
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 283.042+/-0.108 χ^2/NDF:367401.9/4

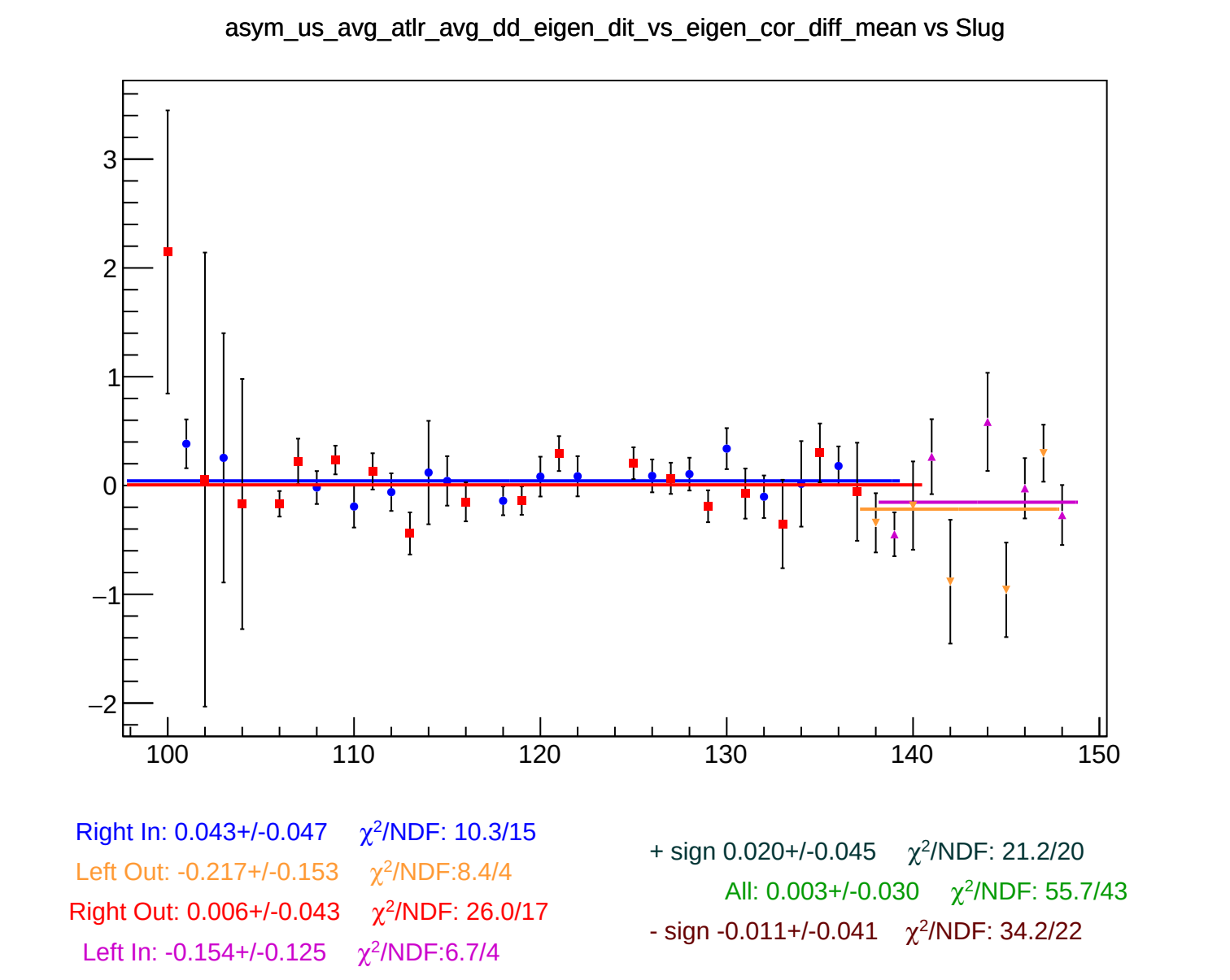
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

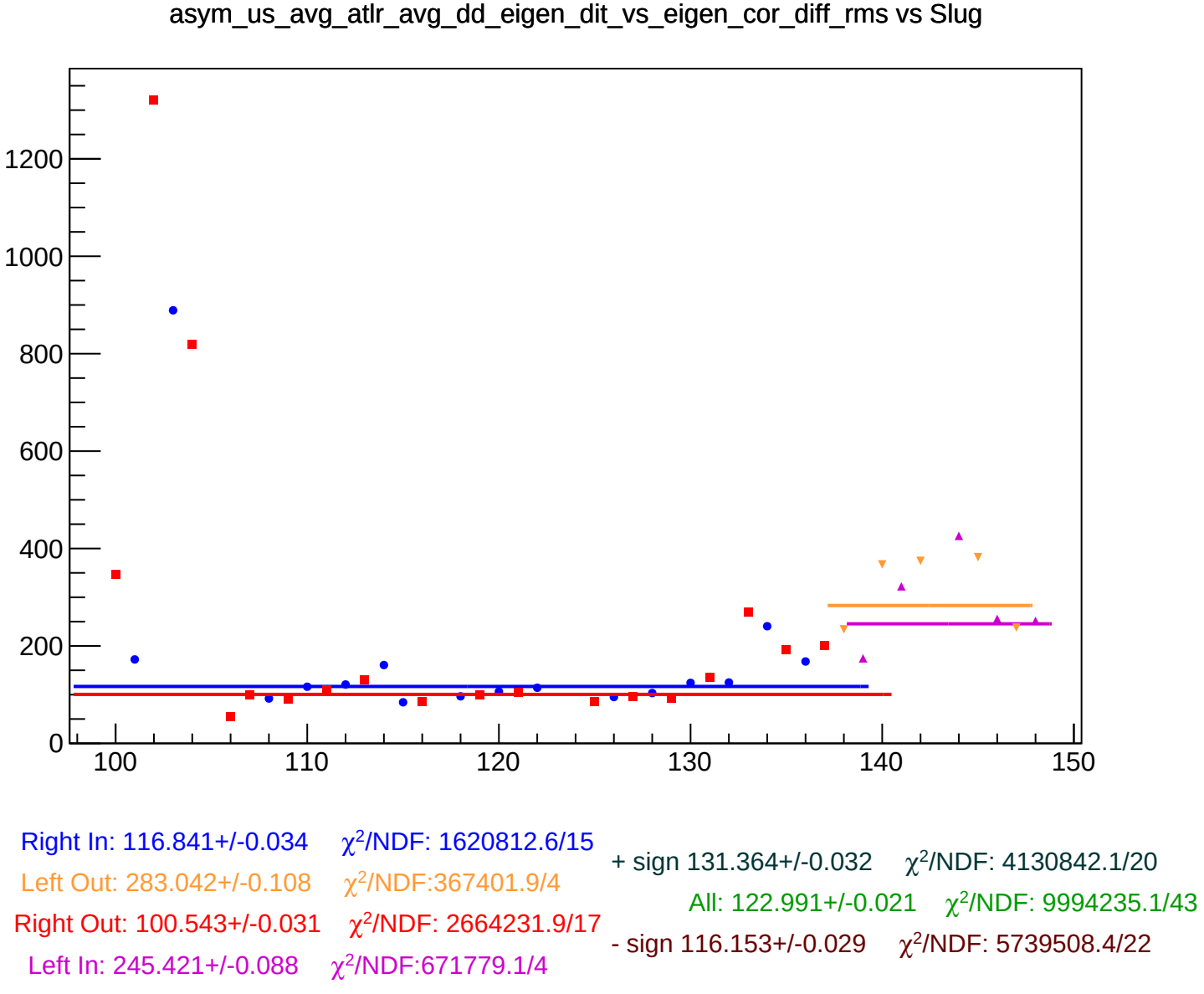
Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

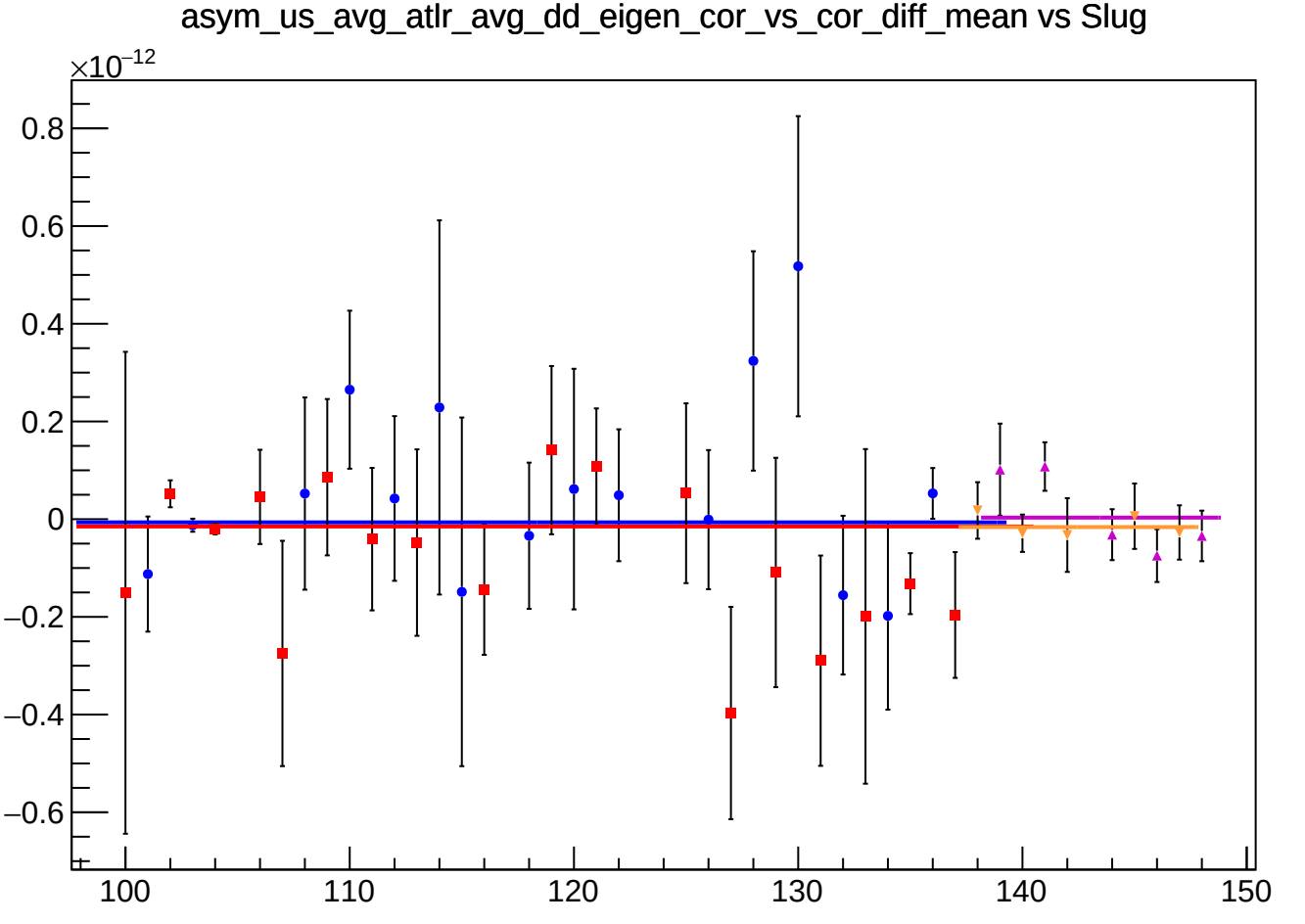
+ sign 131.364+/-0.032 χ^2/NDF: 4130842.1/20

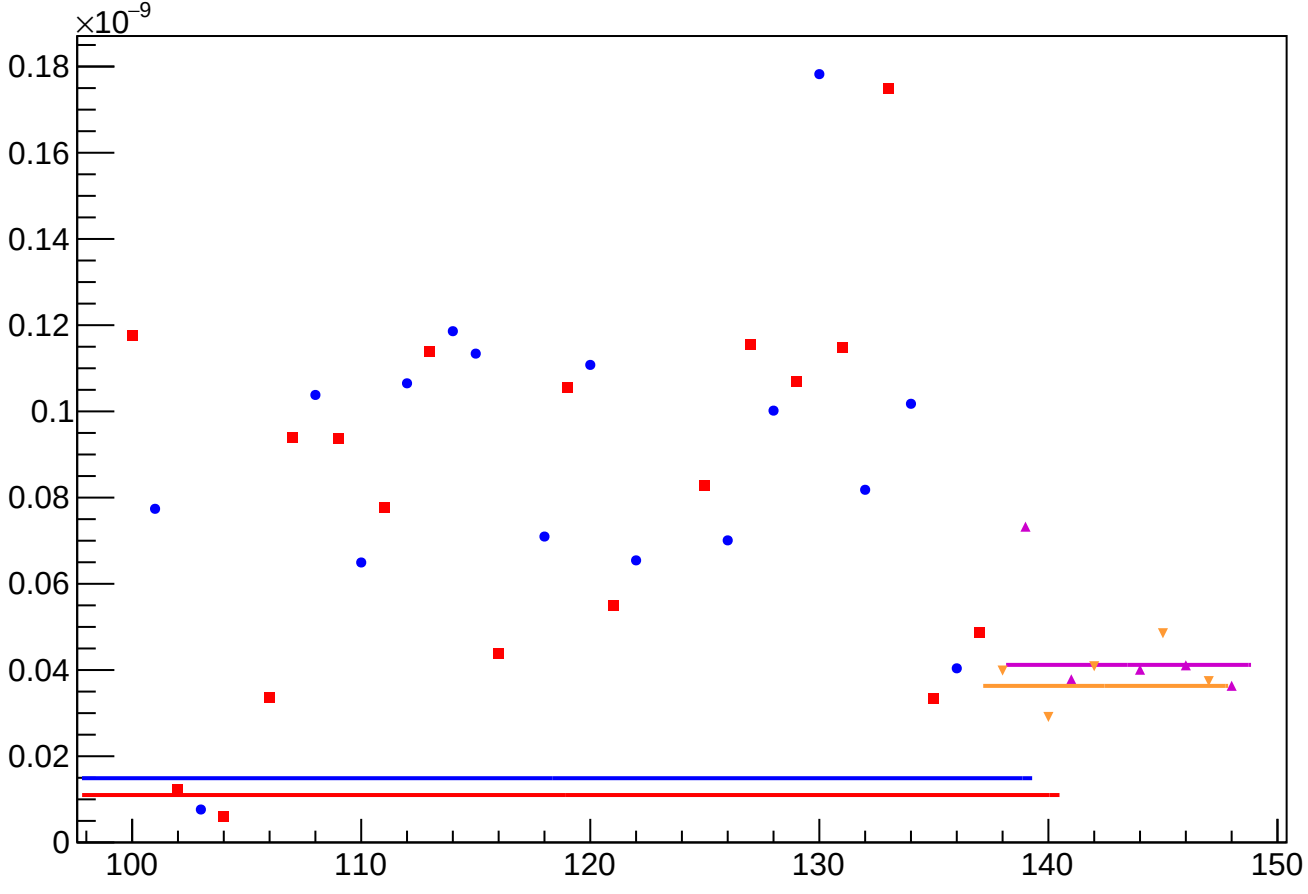
All: 122.991+/-0.021 χ^2/NDF: 9994235.1/43

- sign 116.153+/-0.029 χ^2/NDF: 5739508.4/22


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
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: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.020+/-0.045 χ²/NDF: 21.2/20
All: 0.003+/-0.030 χ²/NDF: 55.7/43
- sign -0.011+/-0.041 χ²/NDF: 34.2/22


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 116.841+/-0.034 χ²/NDF: 1620812.6/15
Left Out: 283.042+/-0.108 χ²/NDF:367401.9/4
Right Out: 100.543+/-0.031 χ²/NDF: 2664231.9/17
Left In: 245.421+/-0.088 χ²/NDF:671779.1/4
+ sign 131.364+/-0.032 χ²/NDF: 4130842.1/20
All: 122.991+/-0.021 χ²/NDF: 9994235.1/43
- sign 116.153+/-0.029 χ²/NDF: 5739508.4/22


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.7/4
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:8.6/4
+ sign -0.000+/-0.000 χ²/NDF: 13.8/20
All: -0.000+/-0.000 χ²/NDF: 44.8/43
- sign -0.000+/-0.000 χ²/NDF: 30.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:153362.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

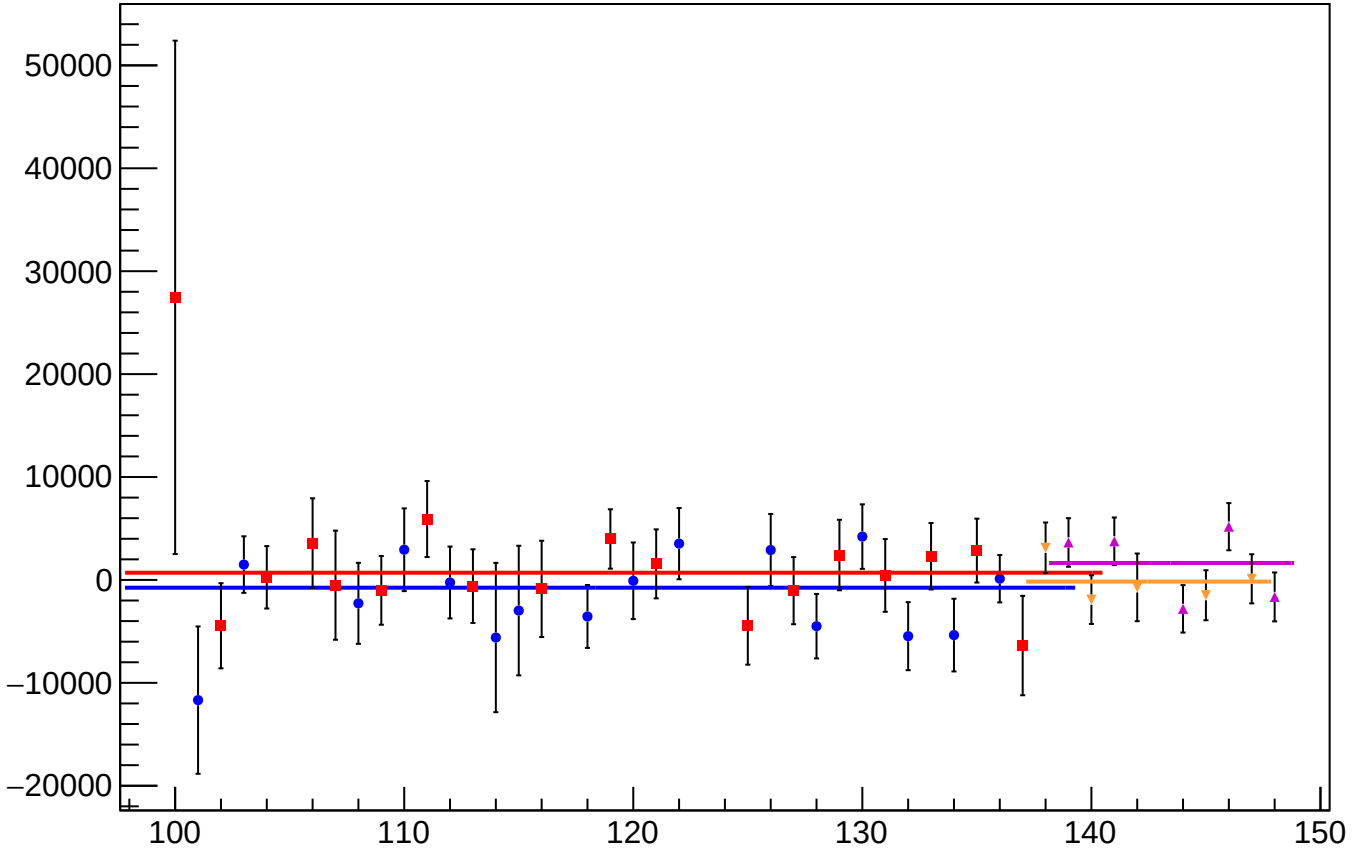
Left In: 0.000+/-0.000 χ^2/NDF:259296.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 7282852.3/20

All: 0.000+/-0.000 χ^2/NDF: 16113865.8/43

- sign 0.000+/-0.000 χ^2/NDF: 8651921.1/22

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

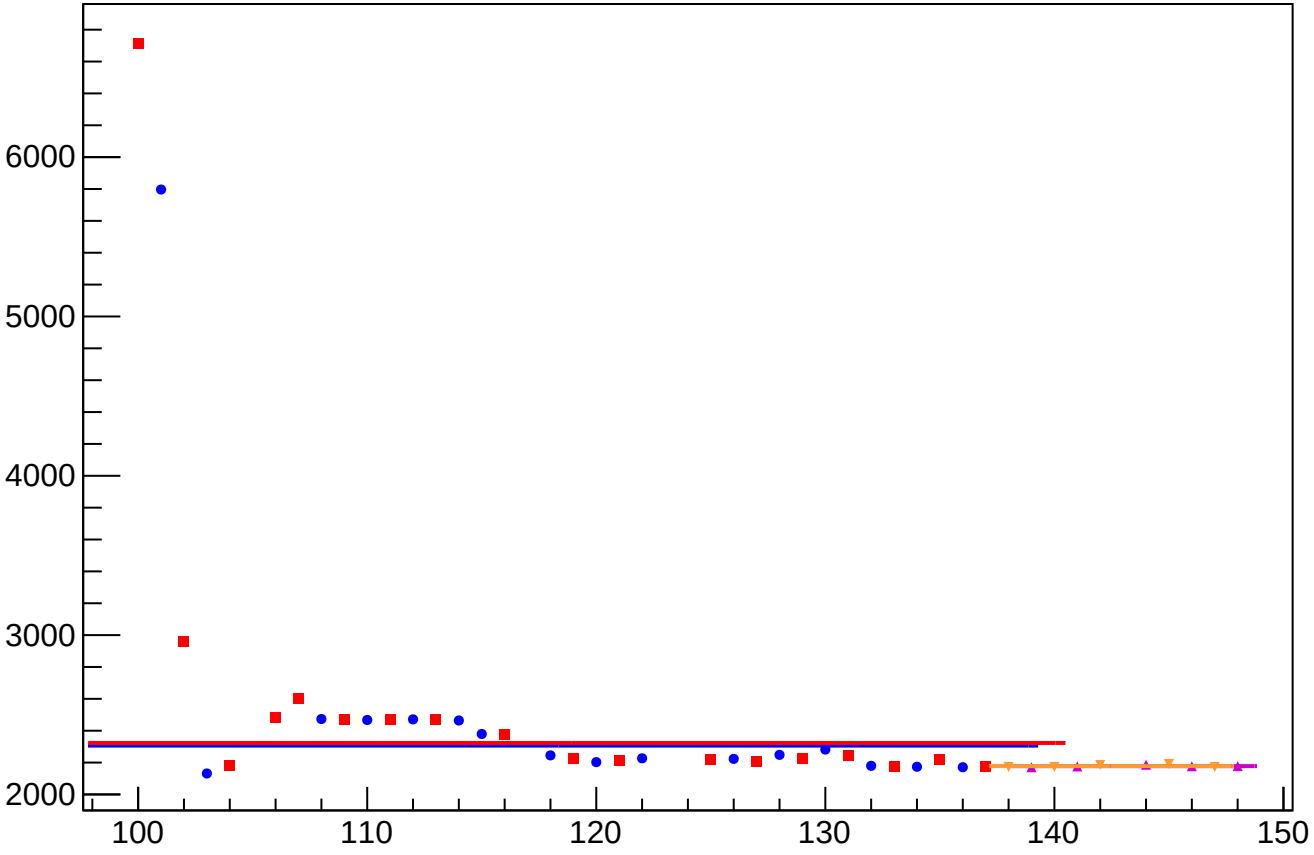
Left In: 1647.588+/-1041.130 χ^2/NDF:9.6/4

+ sign -532.868+/-691.024 χ^2/NDF: 18.7/20

All: 307.387+/-479.903 χ^2/NDF: 44.0/43

- sign 1090.200+/-666.986 χ^2/NDF: 22.4/22

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

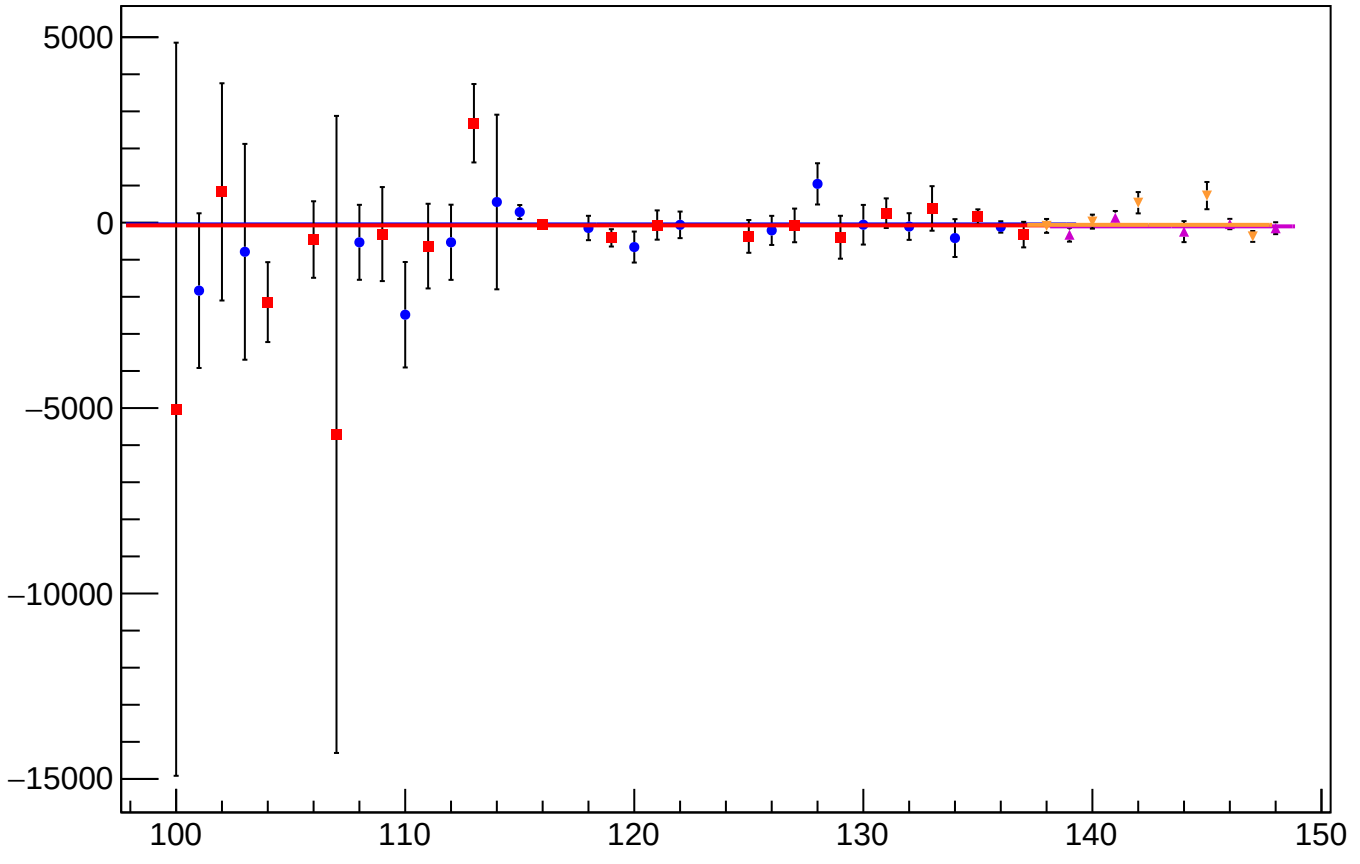
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.4/20

All: 2261.125+/-0.339 χ^2/NDF: 705278.0/43

- sign 2263.414+/-0.472 χ^2/NDF: 174772.7/22



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

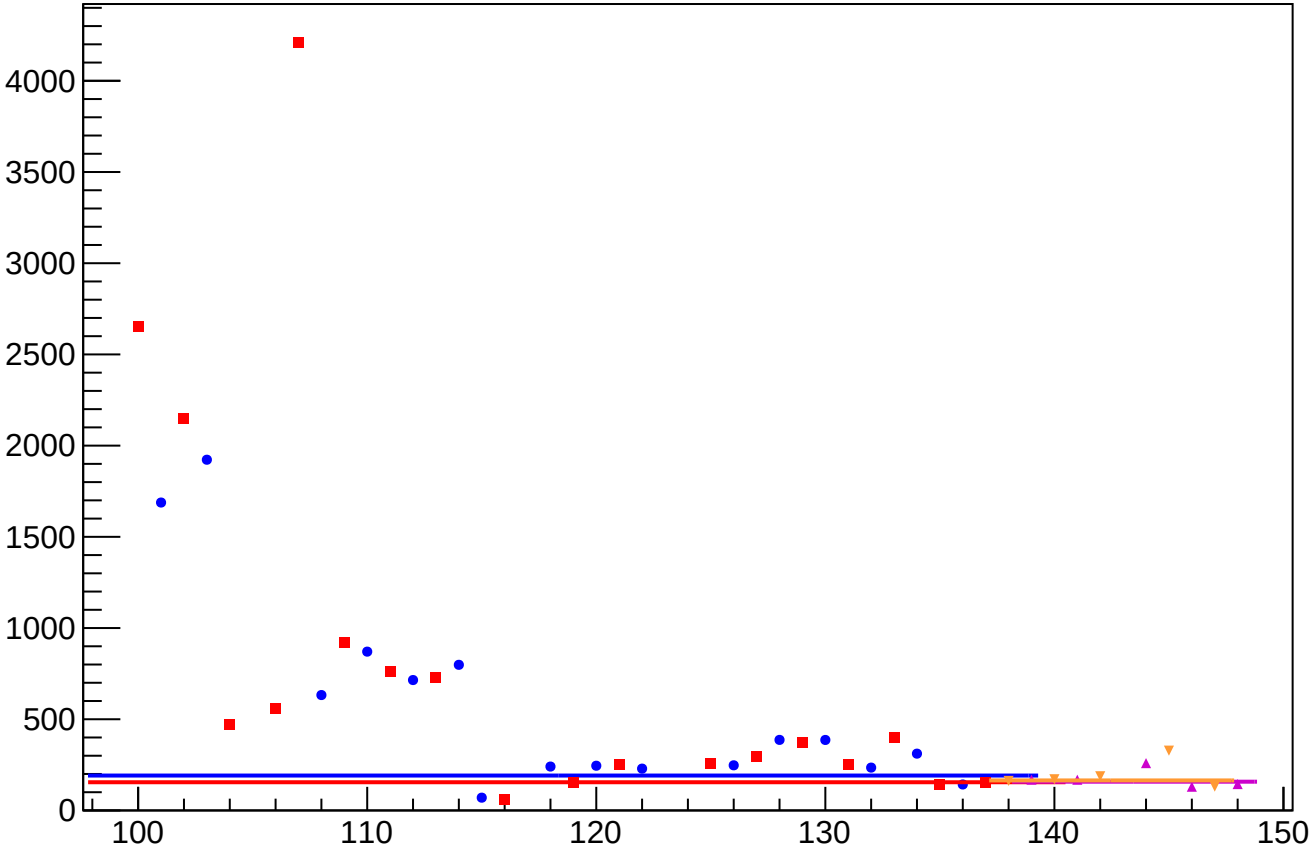
Left In: -100.744+/-78.709 χ^2/NDF:3.6/4

+ sign -53.762+/-64.042 χ^2/NDF: 28.1/20

All: -72.936+/-42.541 χ^2/NDF: 49.6/43

- sign -88.077+/-56.910 χ^2/NDF: 21.3/22

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

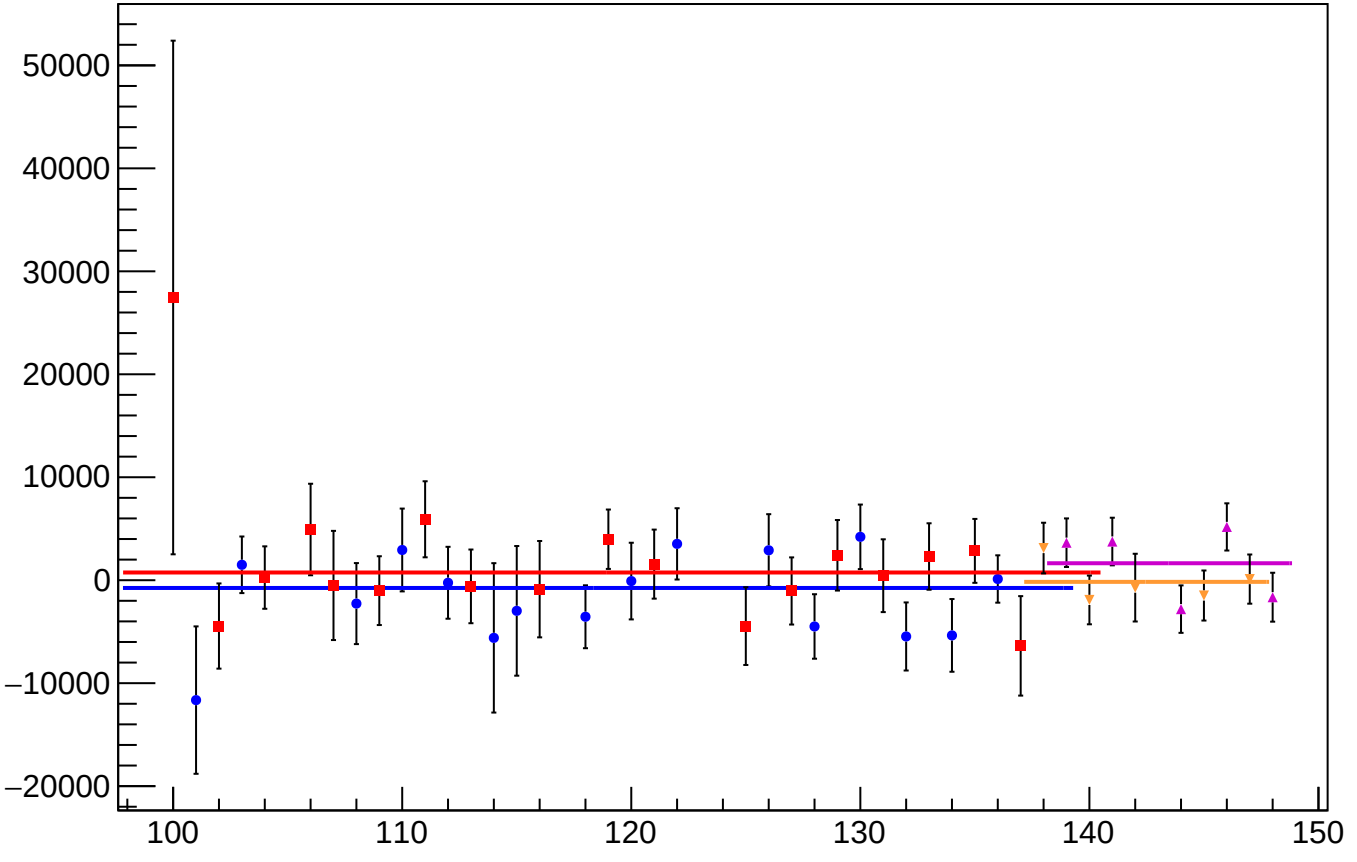
Left In: 157.655+/-0.056 χ^2/NDF:364202.9/4

+ sign 177.891+/-0.045 χ^2/NDF: 5670219.8/20

All: 165.790+/-0.030 χ^2/NDF: 12317878.5/43

- sign 156.234+/-0.040 χ^2/NDF: 6519855.5/22

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

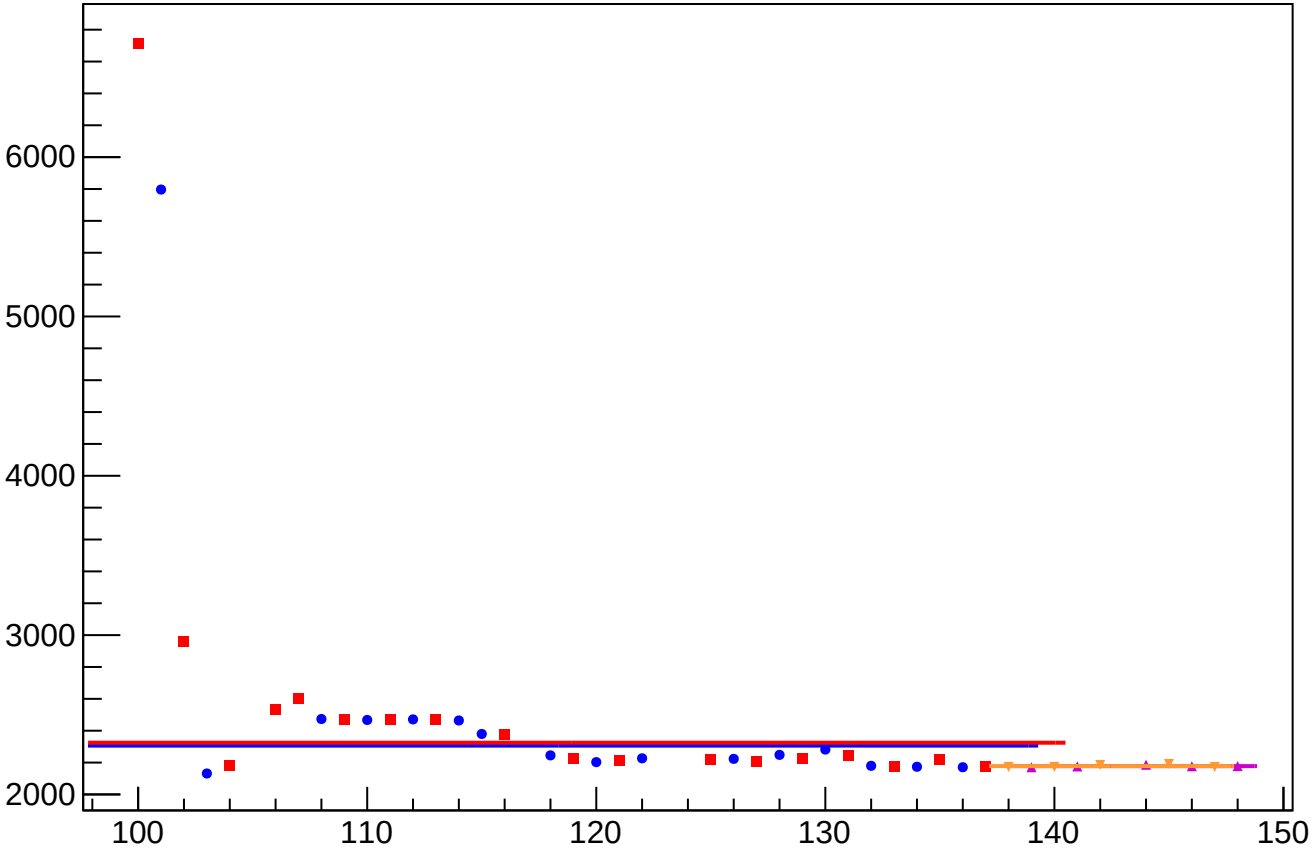
Left In: 1647.570+/-1041.130 χ^2/NDF:9.6/4

+ sign -532.272+/-691.024 χ^2/NDF: 18.7/20

All: 321.836+/-480.024 χ^2/NDF: 44.5/43

- sign 1118.333+/-667.311 χ^2/NDF: 22.8/22

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

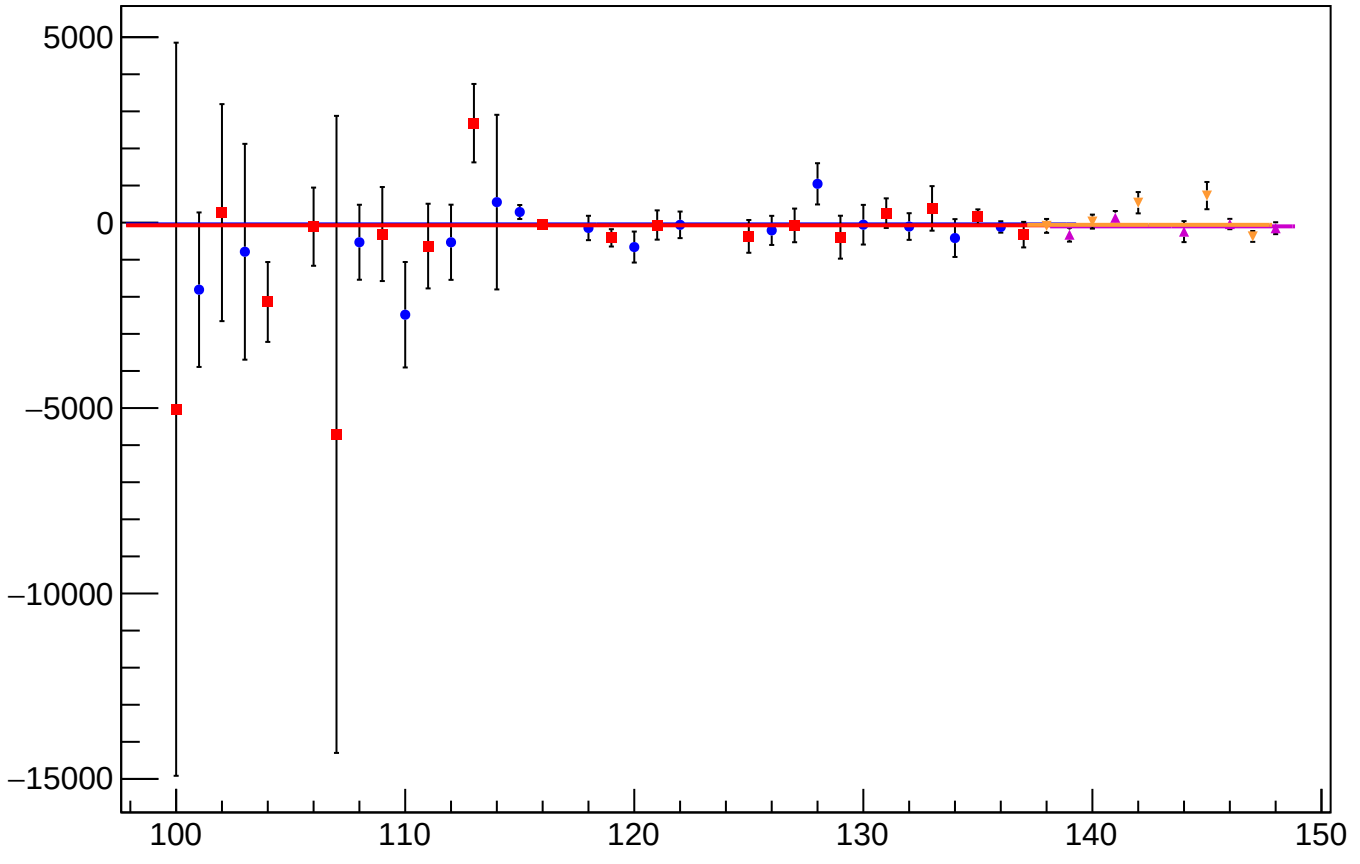
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.7/20

All: 2261.604+/-0.339 χ^2/NDF: 707606.7/43

- sign 2264.342+/-0.472 χ^2/NDF: 177080.2/22



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -59.431+/-90.229 χ^2/NDF:13.7/4

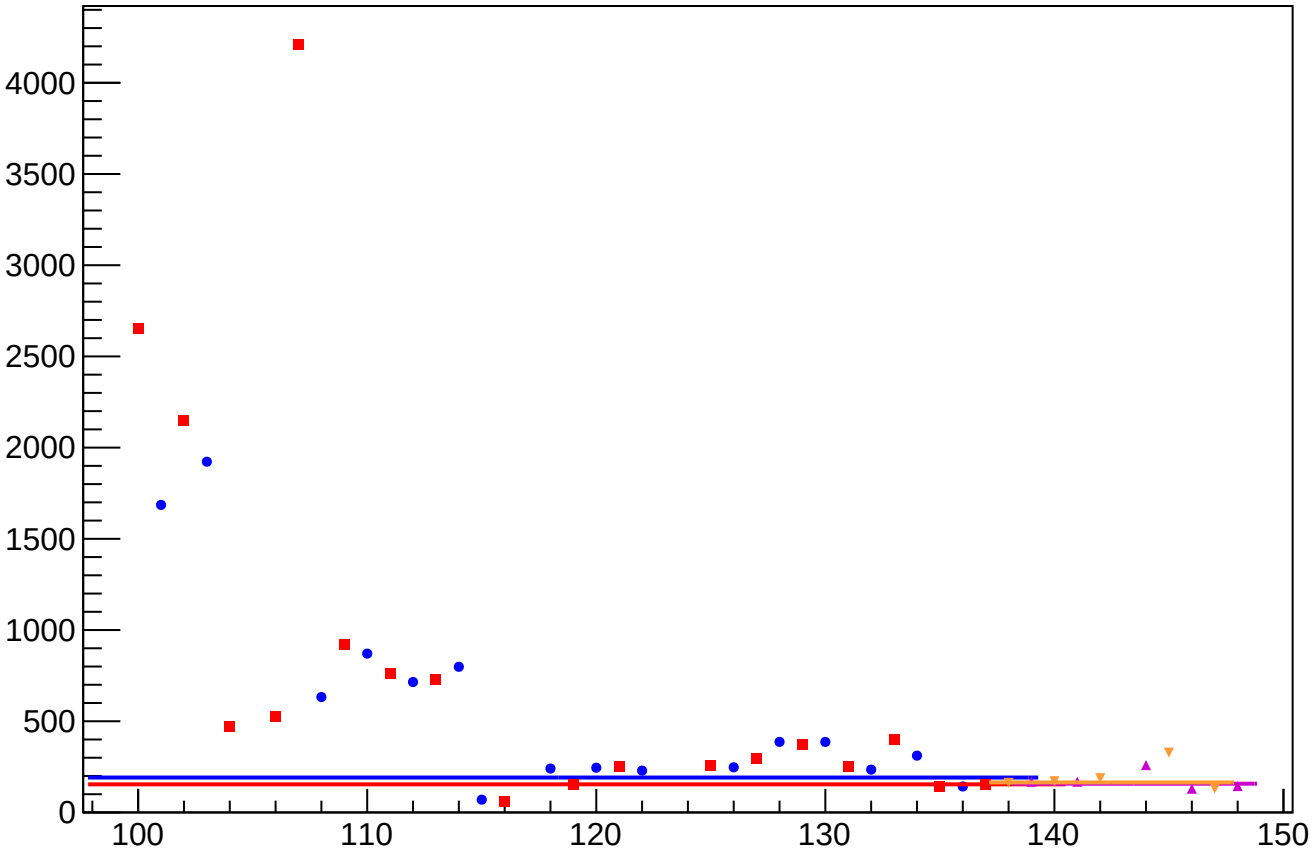
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -100.986+/-78.714 χ^2/NDF:3.6/4

+ sign -53.740+/-64.044 χ^2/NDF: 28.1/20

All: -72.462+/-42.534 χ^2/NDF: 49.3/43

- sign -87.236+/-56.892 χ^2/NDF: 21.1/22



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

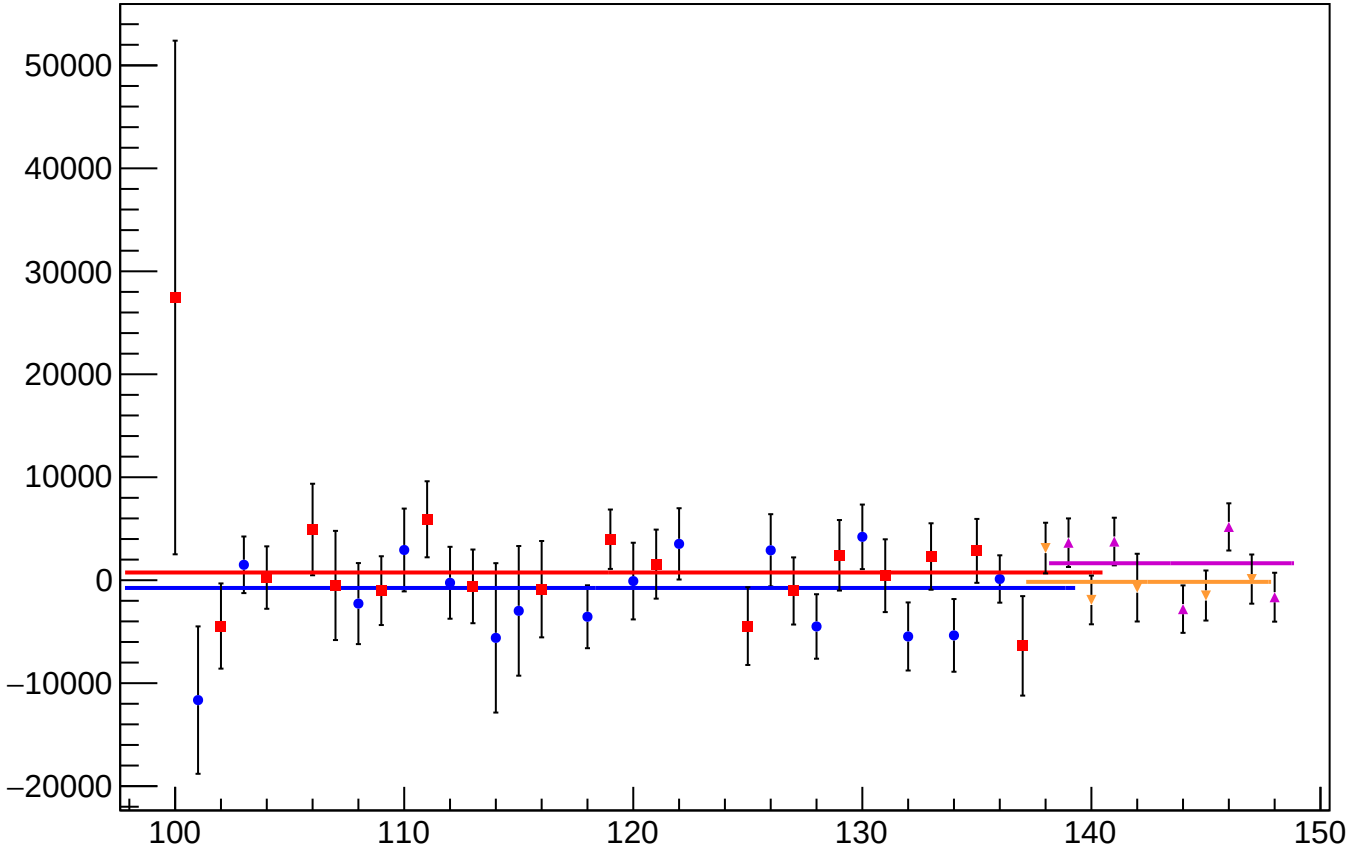
Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

+ sign 177.901+/-0.045 χ^2/NDF: 5669362.5/20

All: 165.646+/-0.030 χ^2/NDF: 12275111.3/43

- sign 155.974+/-0.040 χ^2/NDF: 6474713.8/22

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

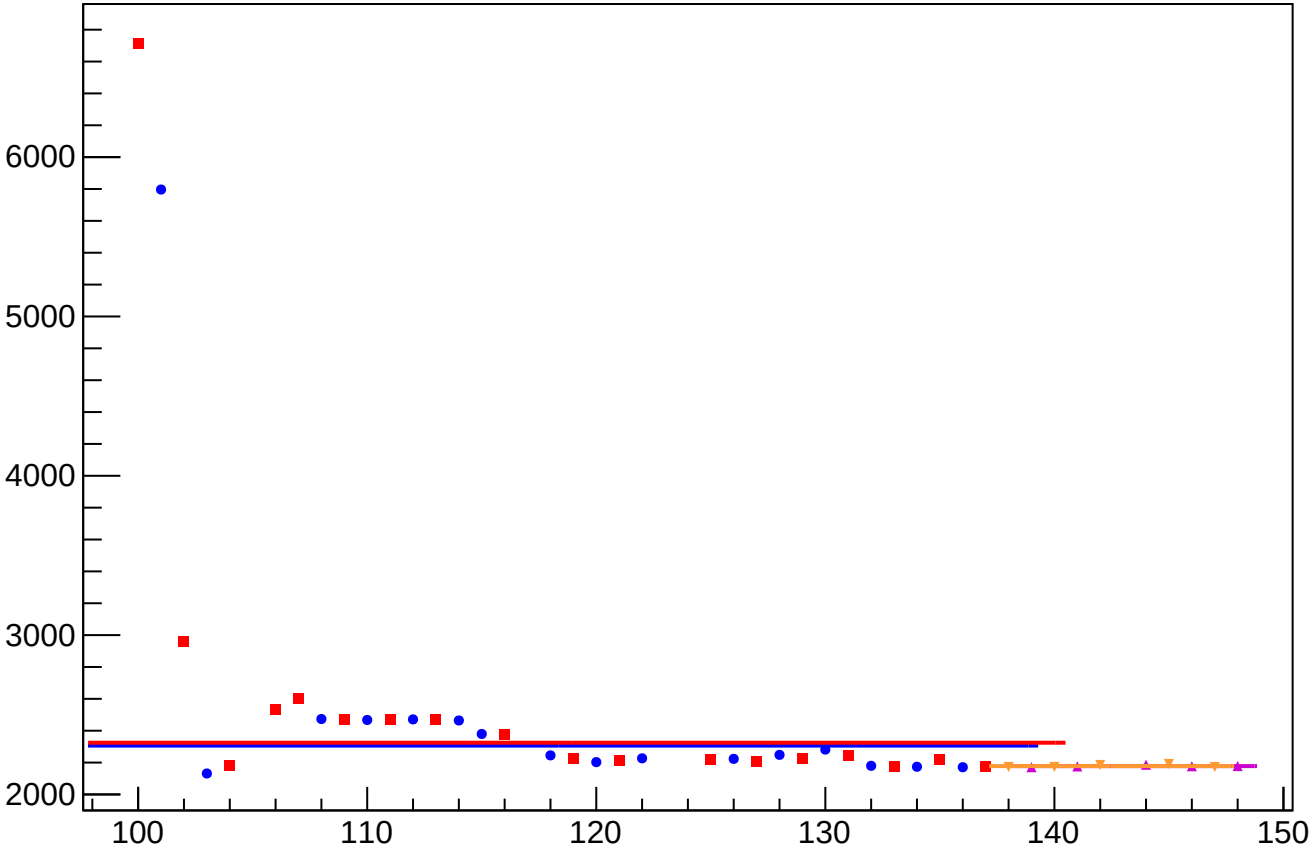
Left In: 1647.570+/-1041.130 χ^2/NDF:9.6/4

+ sign -532.272+/-691.024 χ^2/NDF: 18.7/20

All: 321.836+/-480.024 χ^2/NDF: 44.5/43

- sign 1118.333+/-667.311 χ^2/NDF: 22.8/22

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

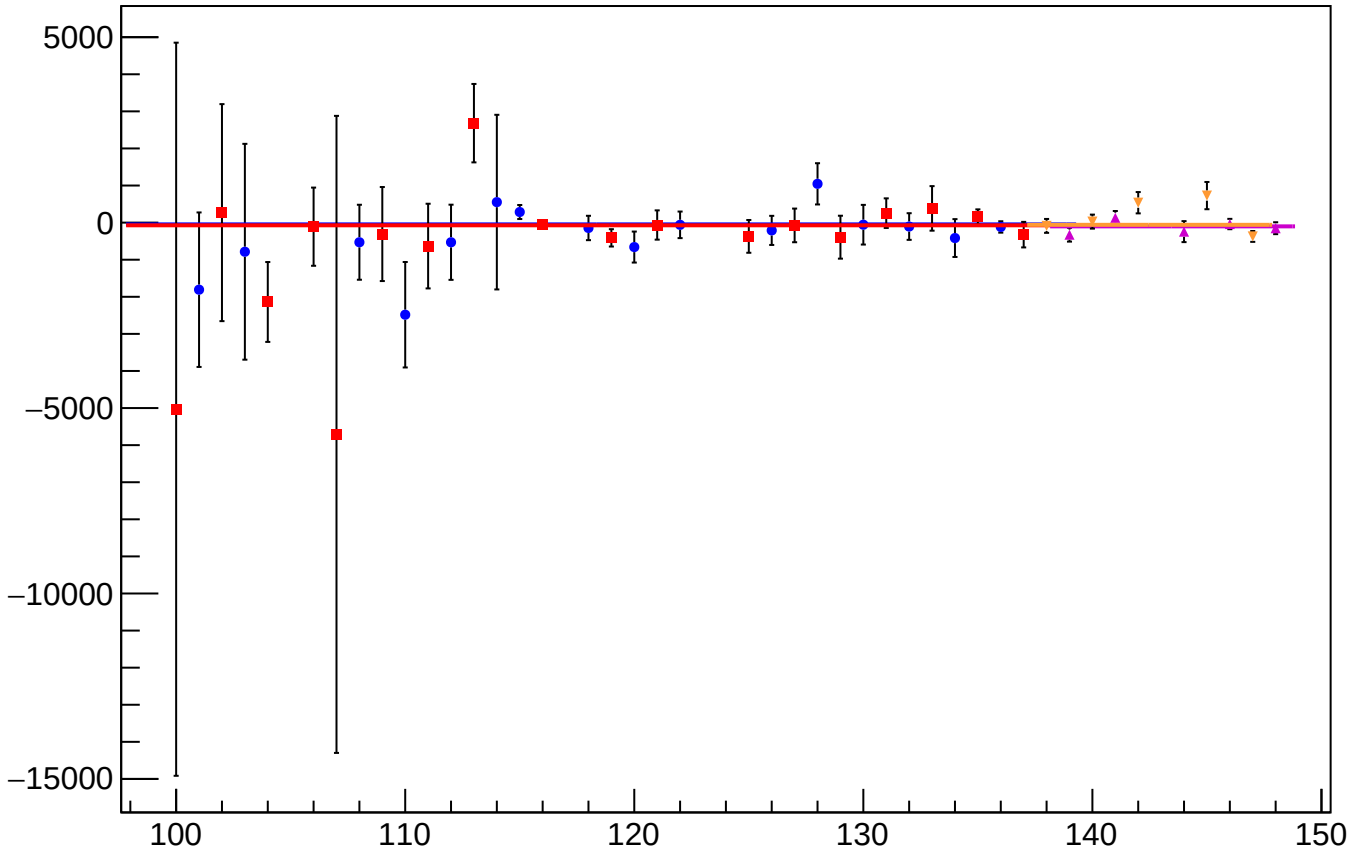
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2258.668+/-0.489 χ^2/NDF: 530456.7/20

All: 2261.604+/-0.339 χ^2/NDF: 707606.7/43

- sign 2264.342+/-0.472 χ^2/NDF: 177080.2/22



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -59.431+/-90.229 χ^2/NDF:13.7/4

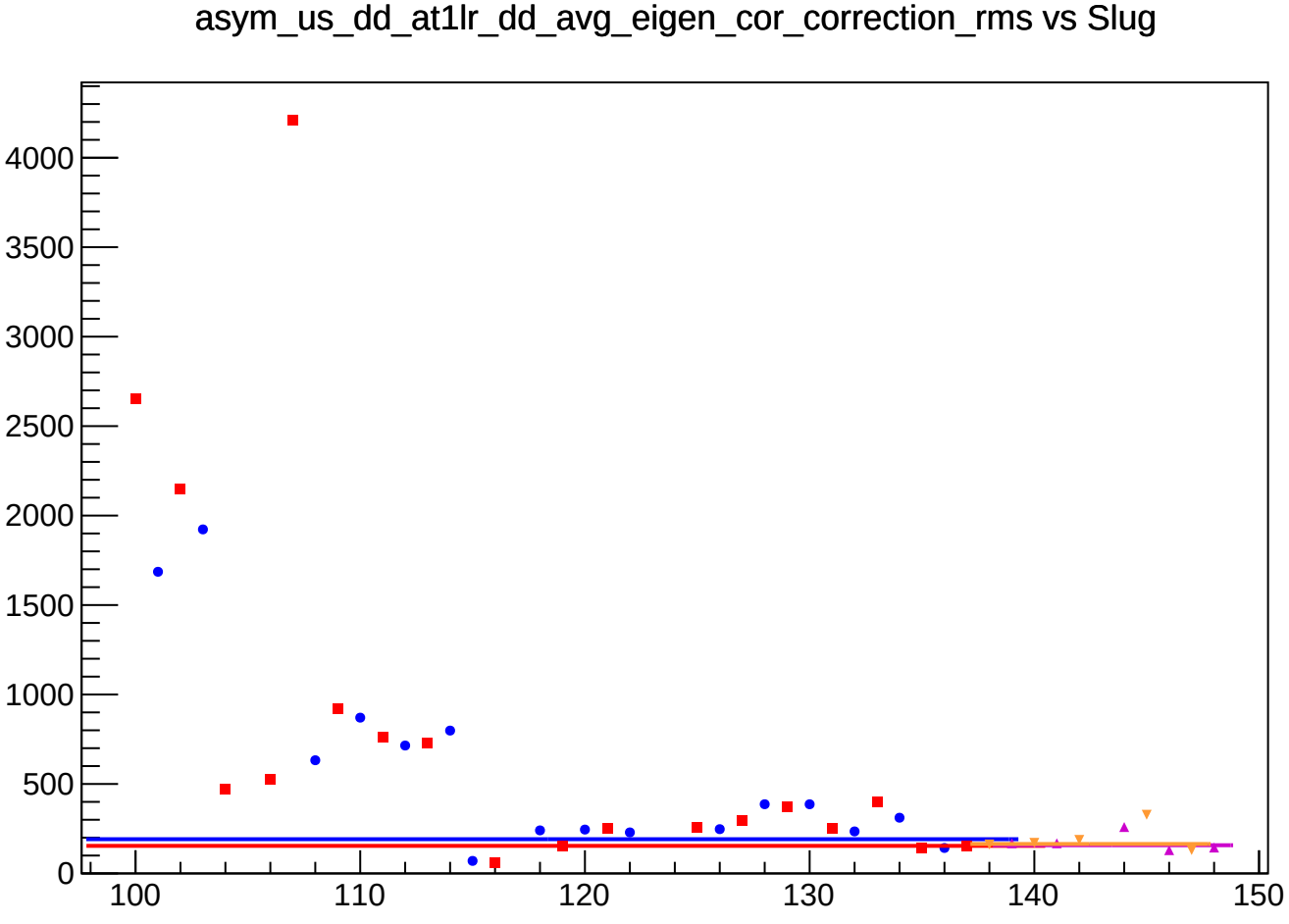
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -100.986+/-78.714 χ^2/NDF:3.6/4

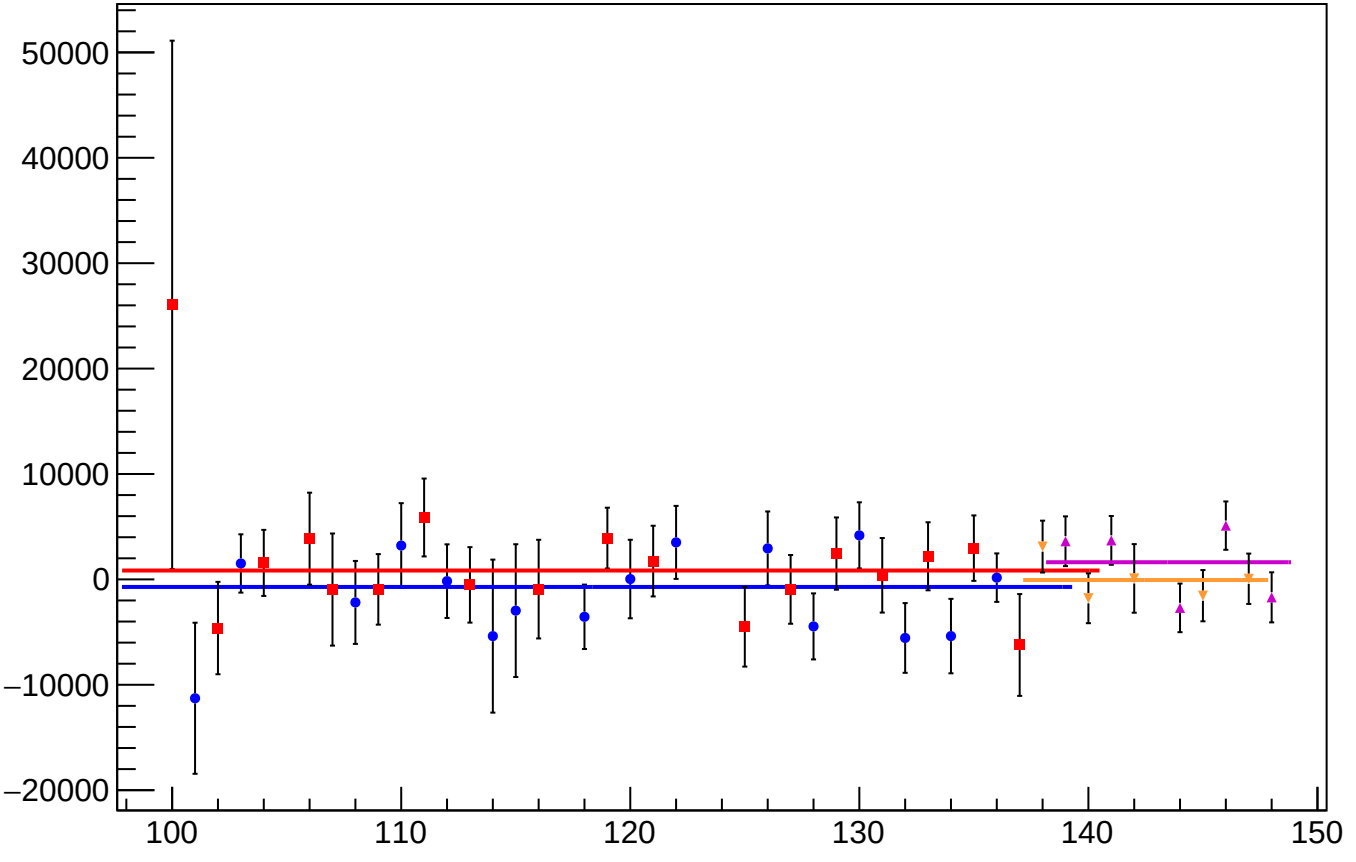
+ sign -53.740+/-64.044 χ^2/NDF: 28.1/20

All: -72.462+/-42.534 χ^2/NDF: 49.3/43

- sign -87.236+/-56.892 χ^2/NDF: 21.1/22


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 164.602+/-0.064 χ²/NDF:518193.0/4
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 157.669+/-0.056 χ²/NDF:364108.3/4
+ sign 177.901+/-0.045 χ²/NDF: 5669362.5/20
All: 165.646+/-0.030 χ²/NDF: 12275111.3/43
- sign 155.974+/-0.040 χ²/NDF: 6474713.8/22

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

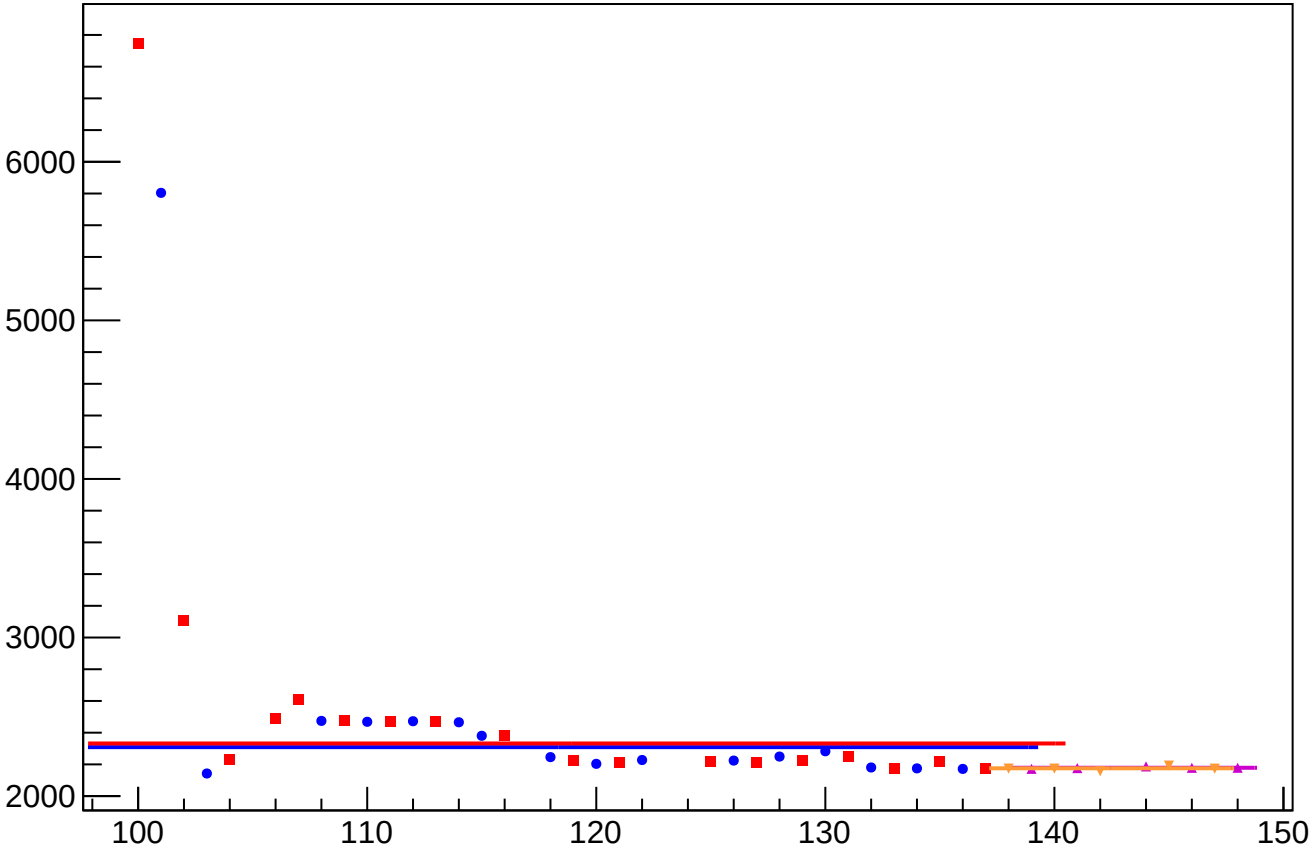
Left In: 1627.674+/-1041.552 χ^2/NDF:9.3/4

+ sign -471.989+/-691.232 χ^2/NDF: 18.6/20

All: 373.655+/-480.843 χ^2/NDF: 43.3/43

- sign 1166.549+/-669.326 χ^2/NDF: 21.8/22

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

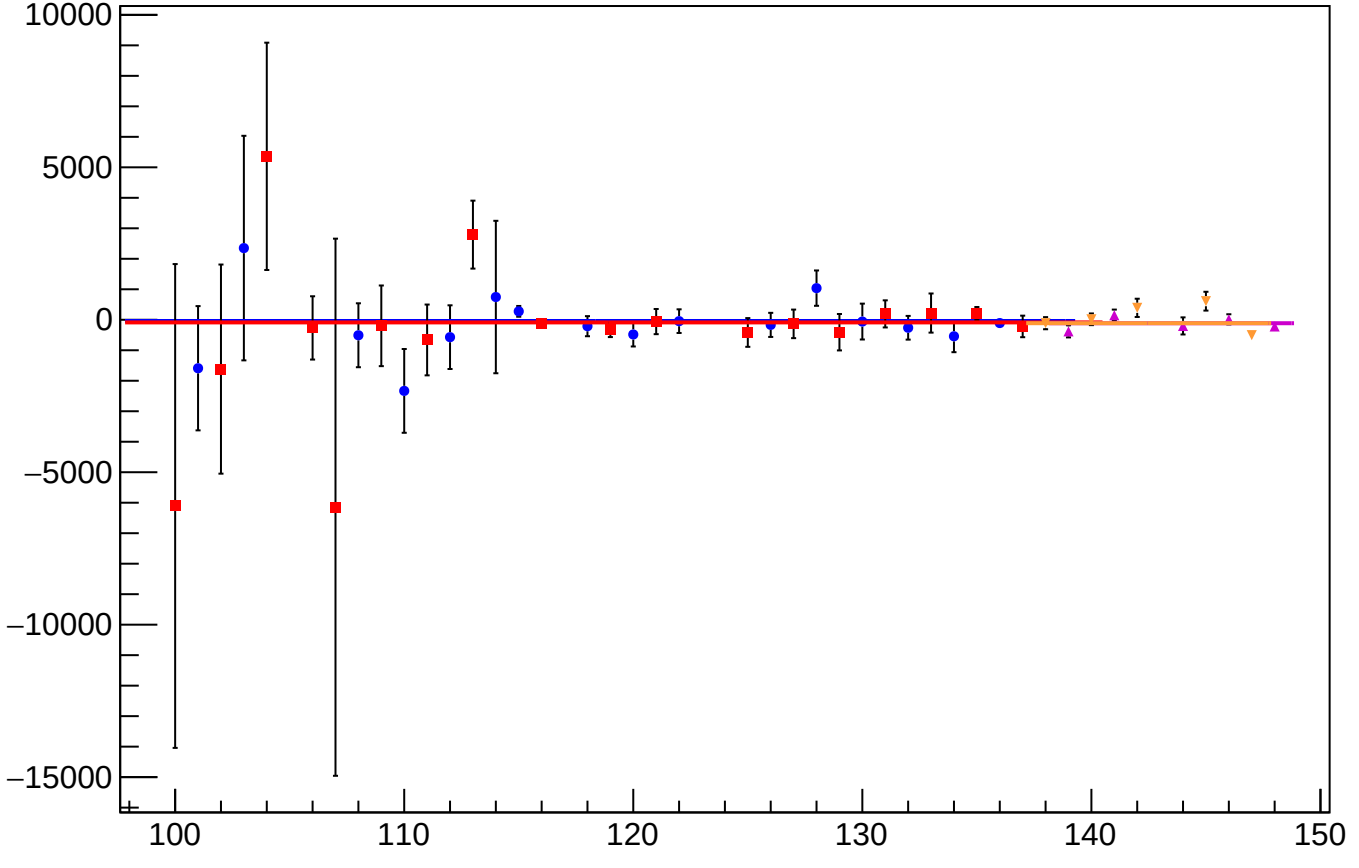
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

+ sign 2258.877+/-0.489 χ^2/NDF: 531343.2/20

All: 2263.893+/-0.340 χ^2/NDF: 724304.5/43

- sign 2268.597+/-0.473 χ^2/NDF: 192757.2/22



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

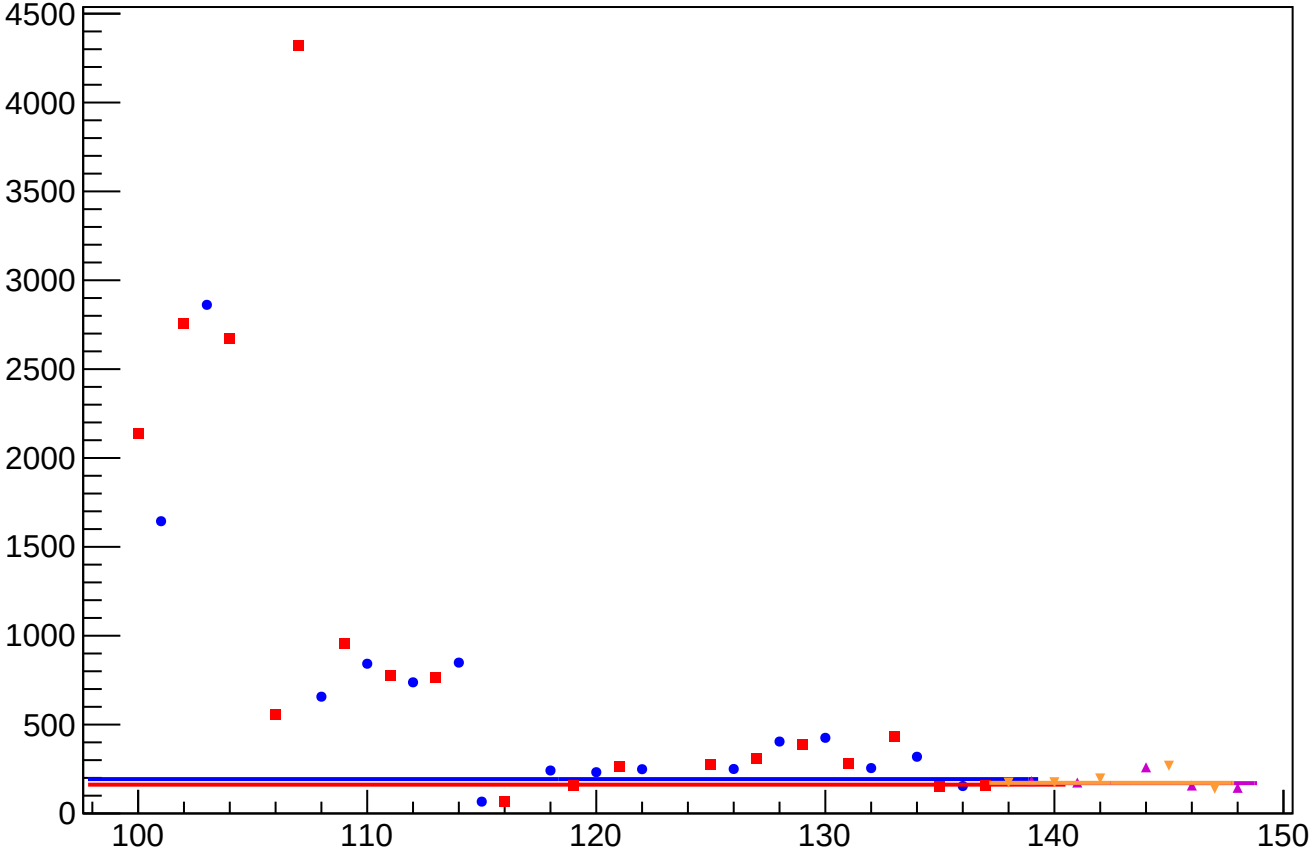
Left In: -113.108+/-83.564 χ^2/NDF:4.9/4

+ sign -76.151+/-65.402 χ^2/NDF: 29.7/20

All: -89.185+/-44.198 χ^2/NDF: 49.7/43

- sign -100.141+/-59.961 χ^2/NDF: 19.9/22

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

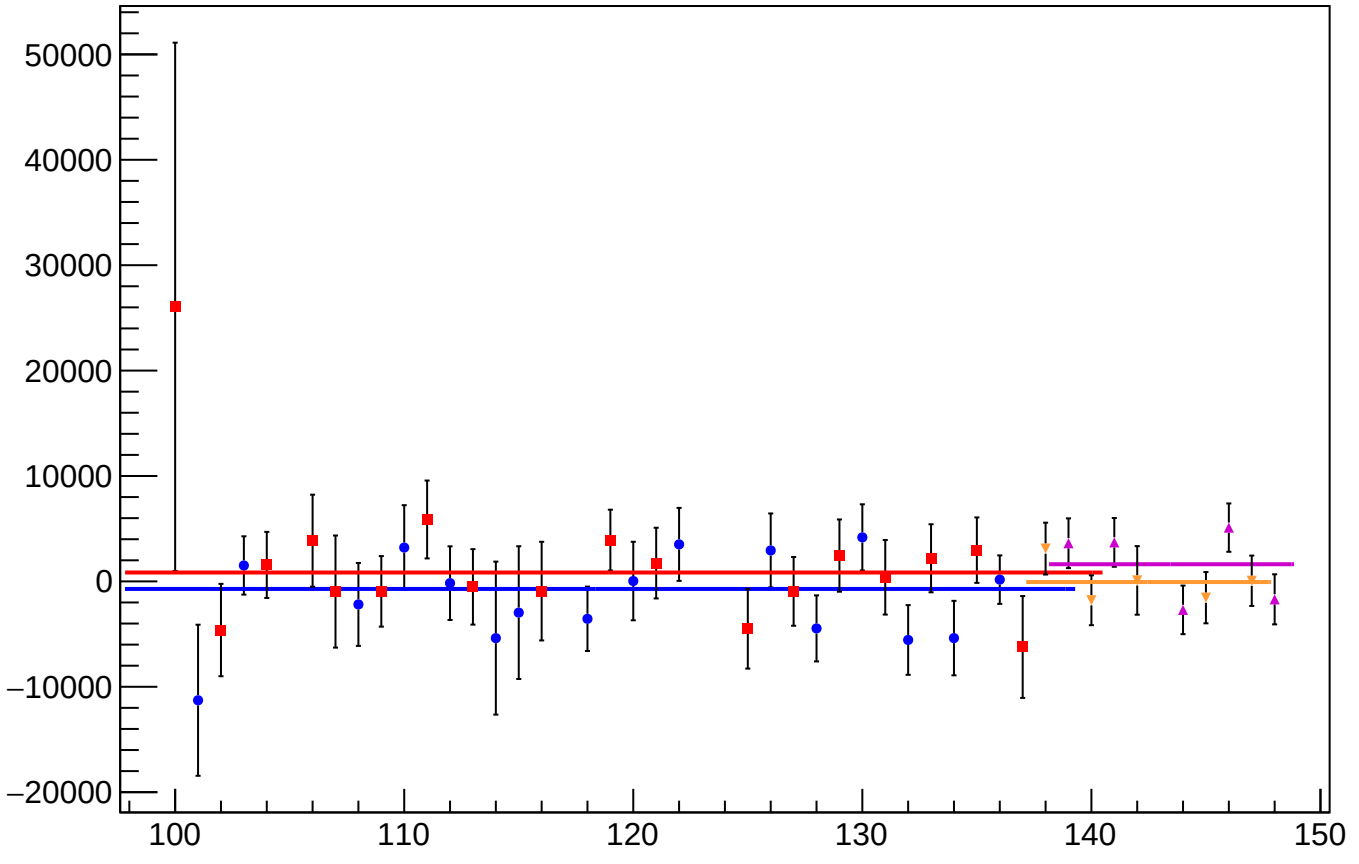
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 170.531+/-0.059 χ^2/NDF:277921.8/4

+ sign 182.815+/-0.046 χ^2/NDF: 5969397.3/20

All: 173.922+/-0.031 χ^2/NDF: 13395708.9/43

- sign 166.448+/-0.042 χ^2/NDF: 7358255.0/22



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

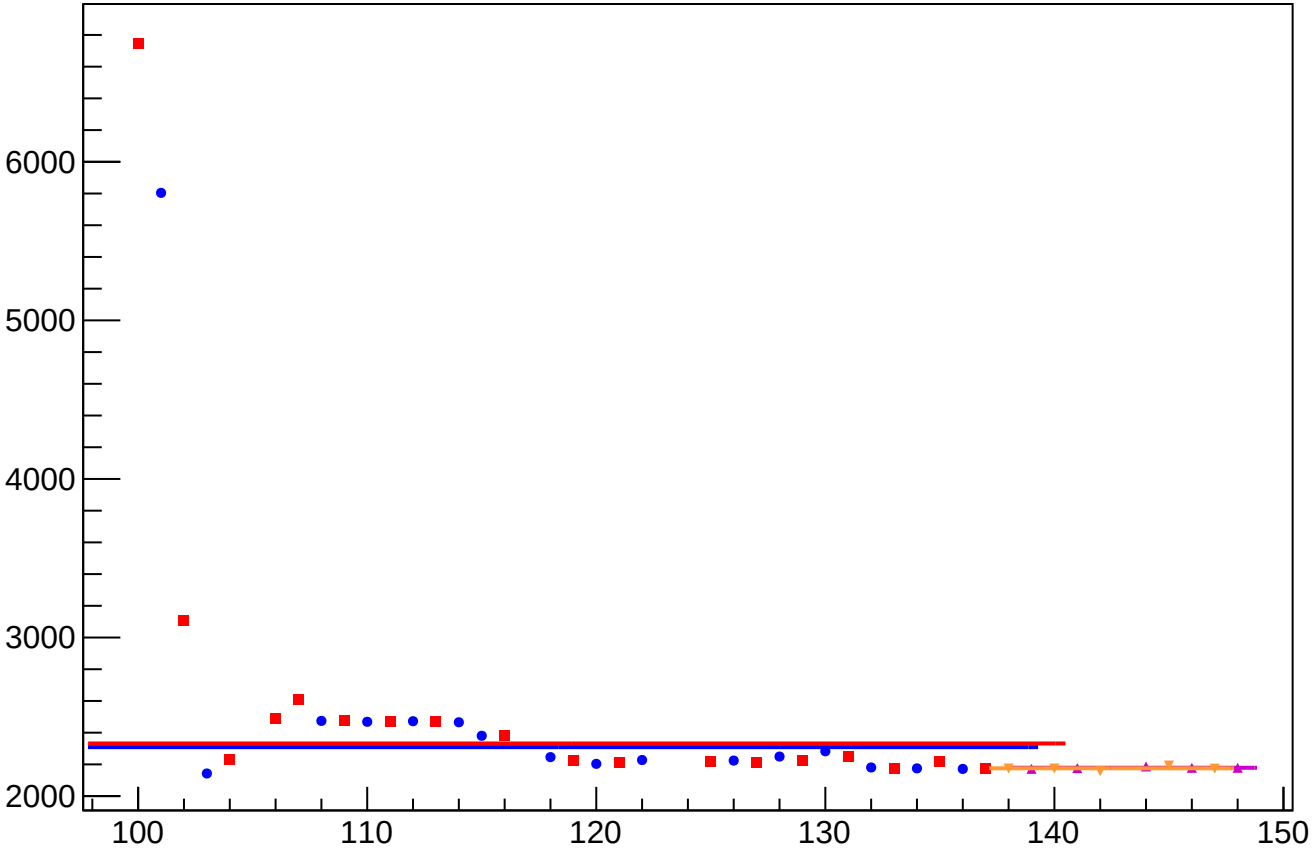
Left In: 1627.673+/-1041.552 χ^2/NDF:9.3/4

+ sign -471.991+/-691.232 χ^2/NDF: 18.6/20

All: 373.654+/-480.843 χ^2/NDF: 43.3/43

- sign 1166.549+/-669.326 χ^2/NDF: 21.8/22

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

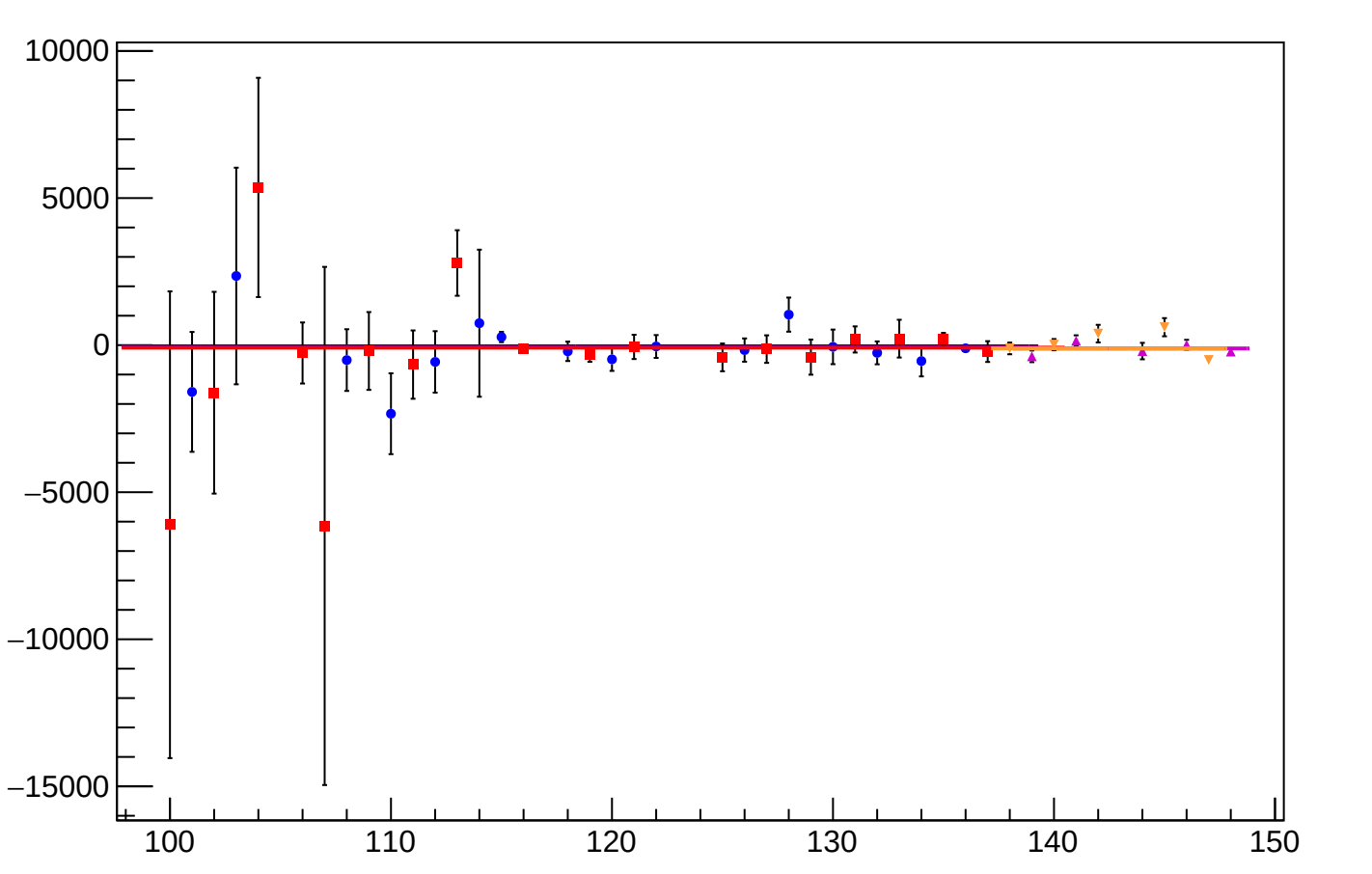
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

+ sign 2258.877+/-0.489 χ^2/NDF: 531343.2/20

All: 2263.893+/-0.340 χ^2/NDF: 724304.4/43

- sign 2268.597+/-0.473 χ^2/NDF: 192757.1/22



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -112.314+/-92.577 χ^2/NDF:15.3/4

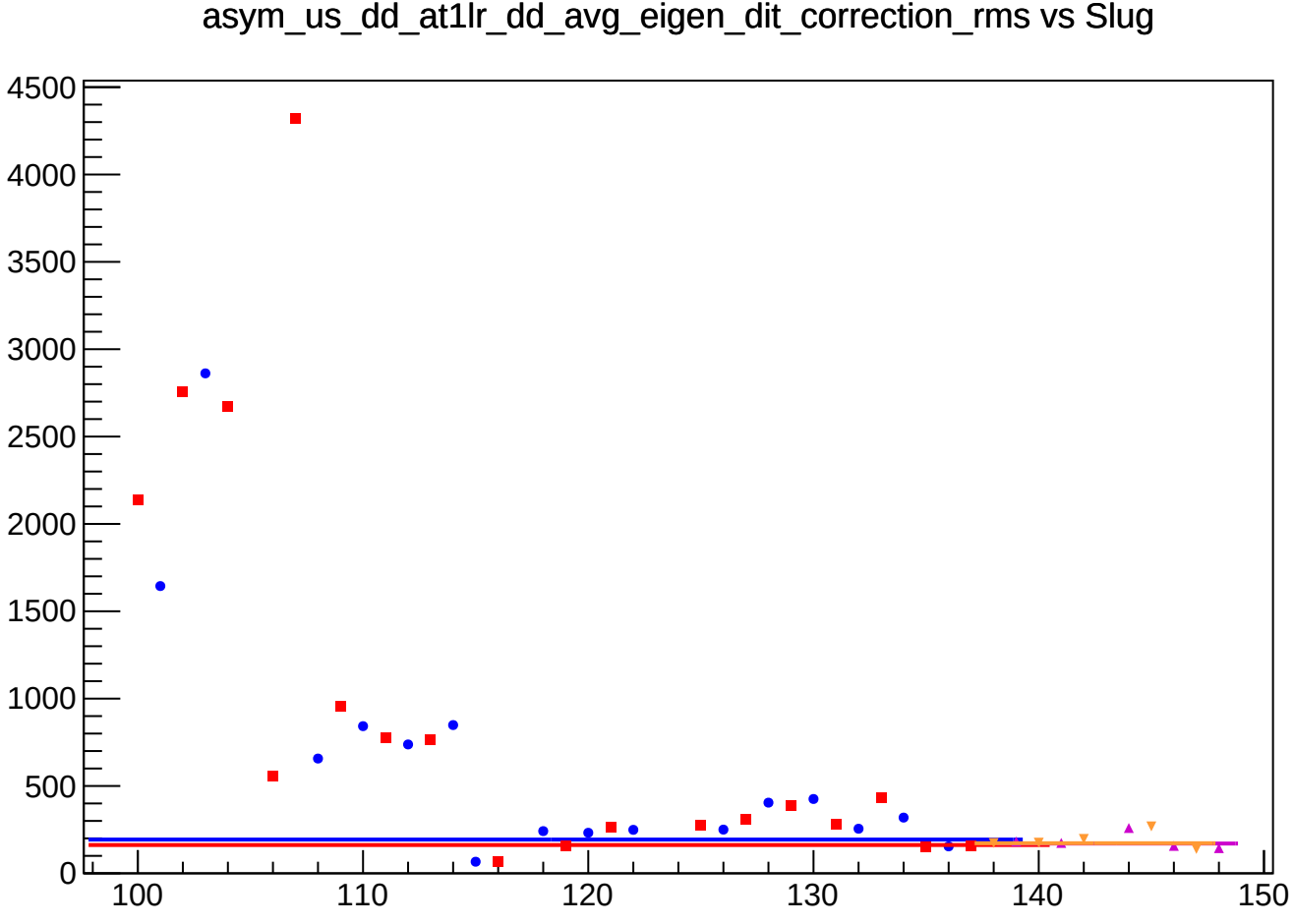
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -113.106+/-83.565 χ^2/NDF:4.9/4

+ sign -76.149+/-65.402 χ^2/NDF: 29.7/20

All: -89.184+/-44.197 χ^2/NDF: 49.7/43

- sign -100.140+/-59.961 χ^2/NDF: 19.9/22



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

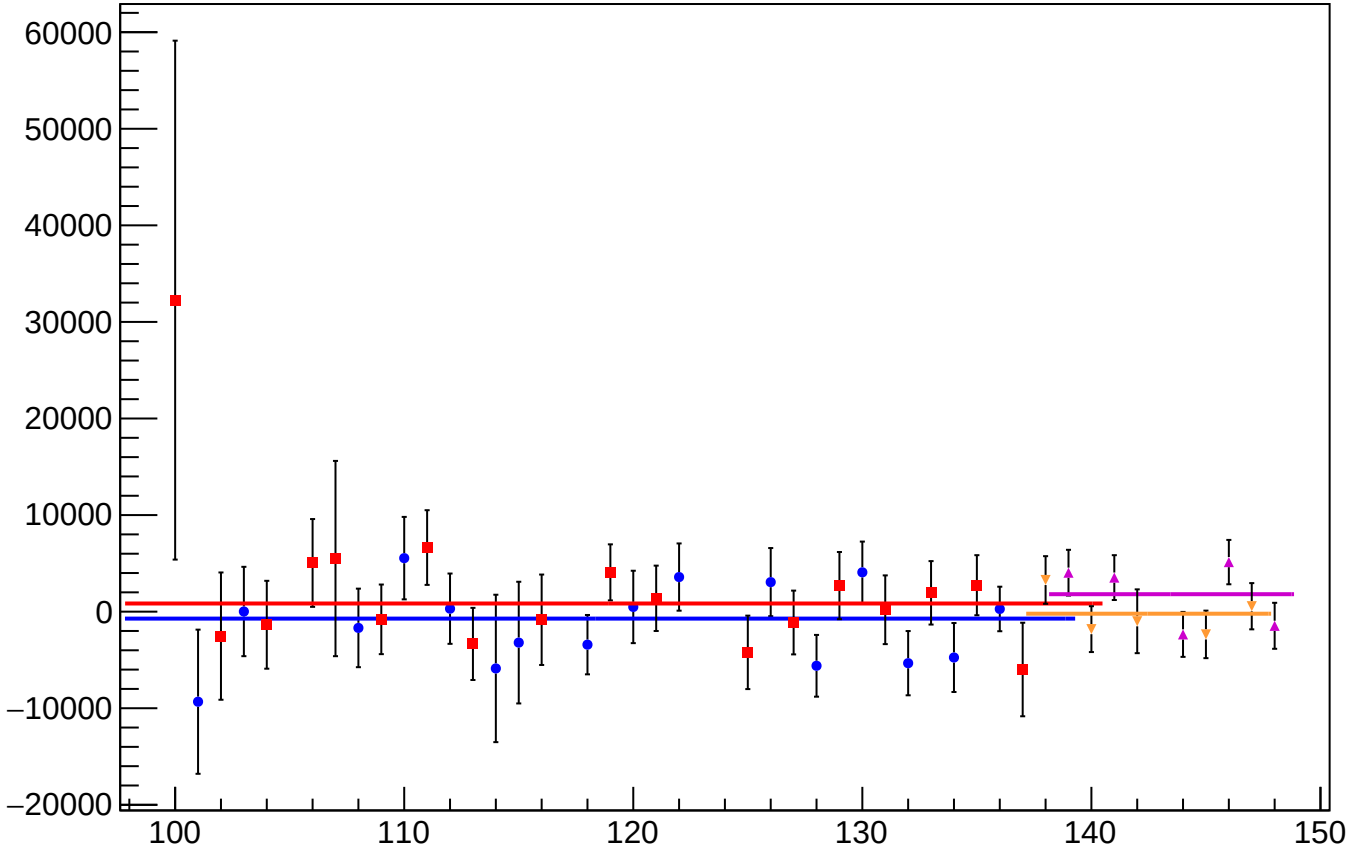
Left In: 170.532+/-0.059 χ^2/NDF:277915.4/4

+ sign 182.815+/-0.046 χ^2/NDF: 5969407.7/20

All: 173.922+/-0.031 χ^2/NDF: 13395782.1/43

- sign 166.447+/-0.042 χ^2/NDF: 7358314.8/22

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

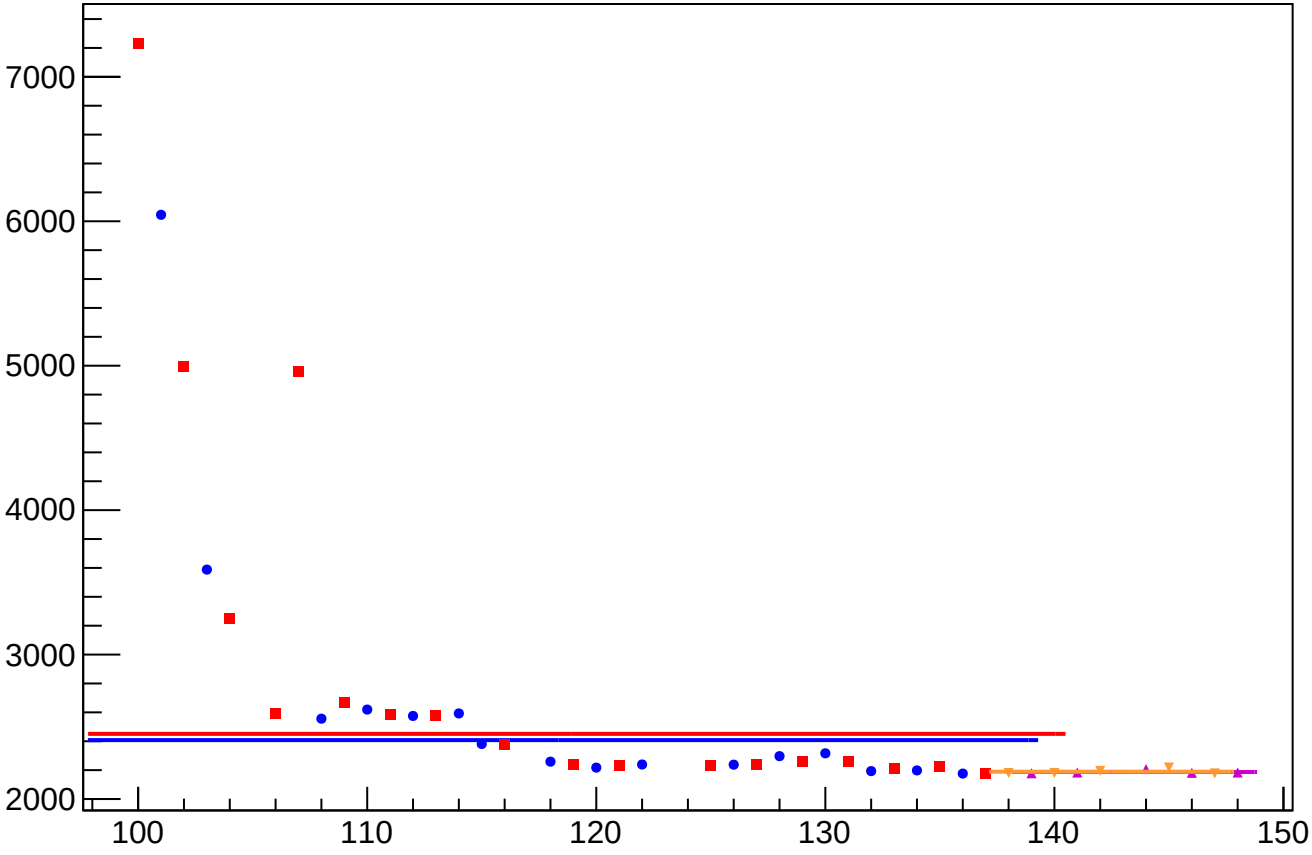
Left In: 1808.032+/-1045.613 χ^2/NDF:8.6/4

+ sign -520.118+/-713.510 χ^2/NDF: 19.3/20

All: 399.069+/-497.620 χ^2/NDF: 44.5/43

- sign 1269.583+/-694.362 χ^2/NDF: 22.0/22

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

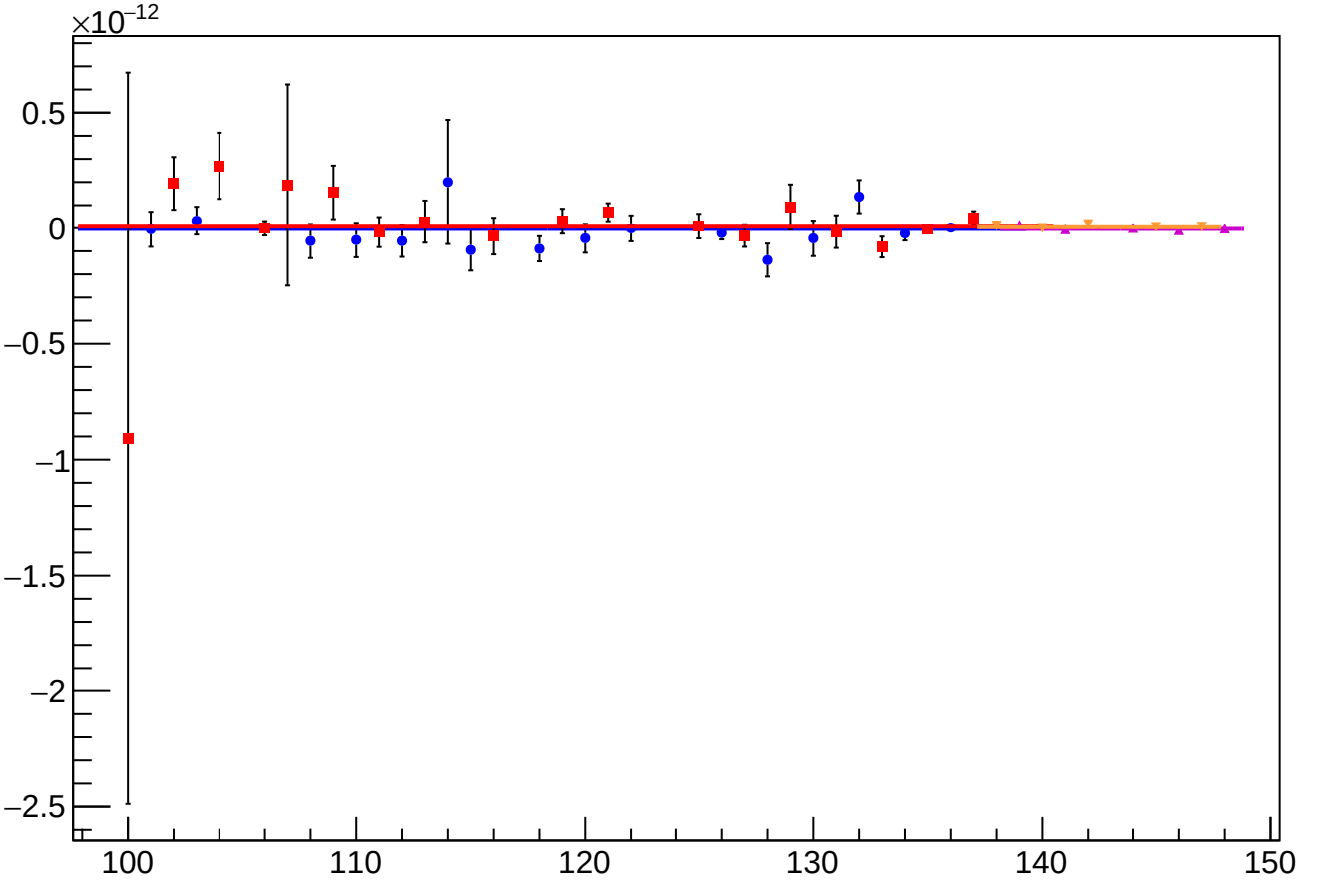
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.150+/-0.739 χ^2/NDF:203.4/4

+ sign 2321.755+/-0.505 χ^2/NDF: 722089.7/20

All: 2328.430+/-0.352 χ^2/NDF: 1427526.5/43

- sign 2334.750+/-0.491 χ^2/NDF: 705096.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/4

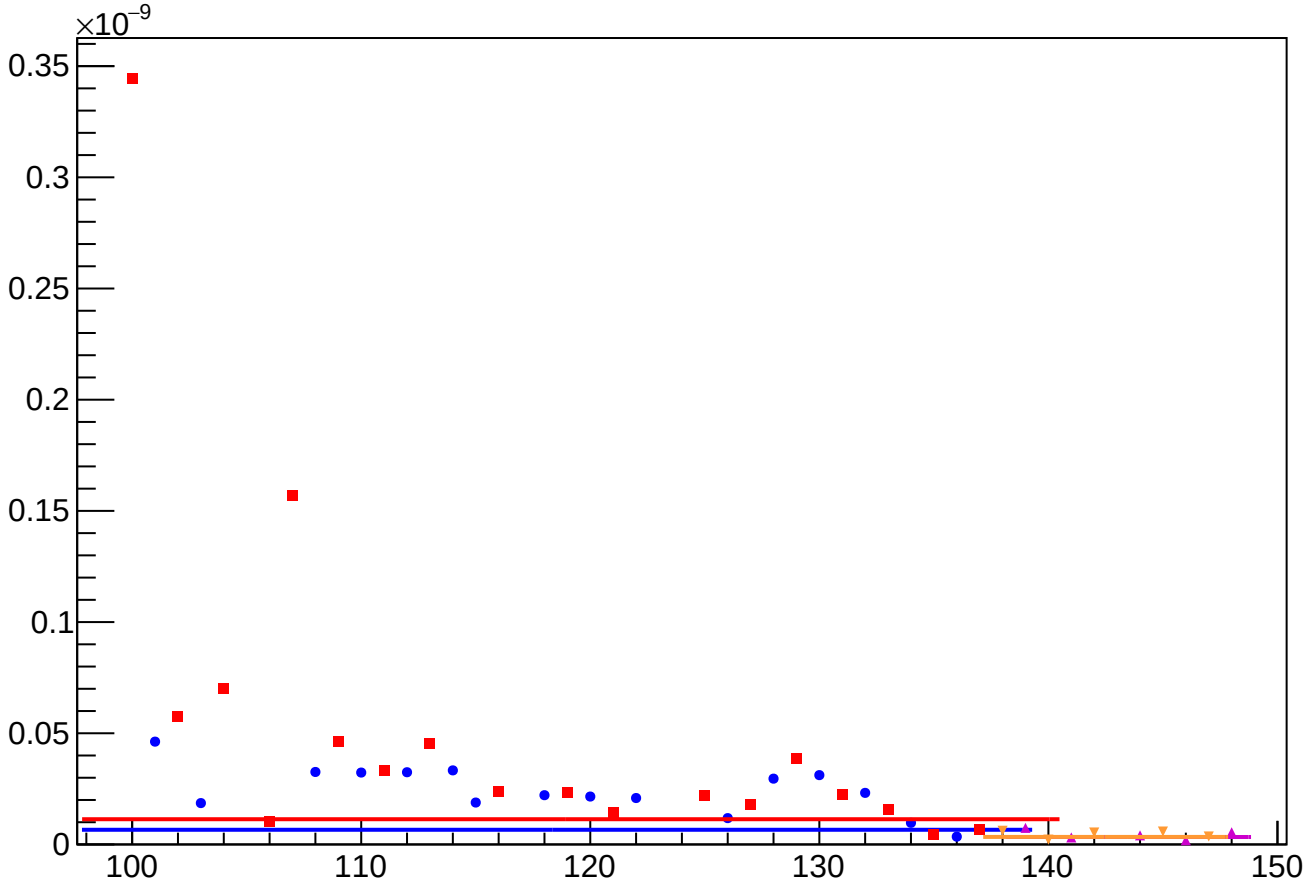
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/43

- sign -0.000+/-0.000 χ^2/NDF: 23.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:510461.5/4

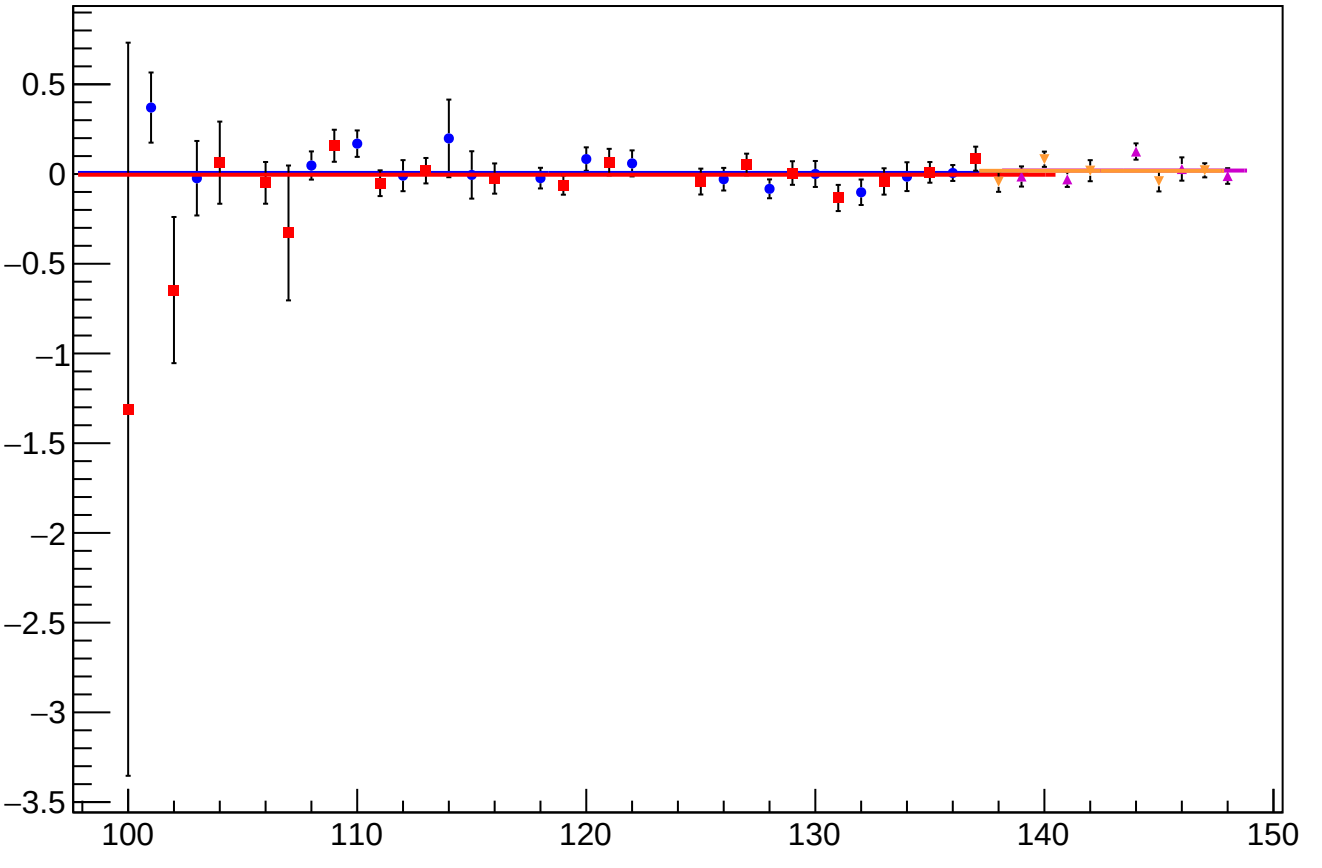
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:508032.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3787670.7/20

All: 0.000+/-0.000 χ^2/NDF: 8210344.8/43

- sign 0.000+/-0.000 χ^2/NDF: 4421687.4/22



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

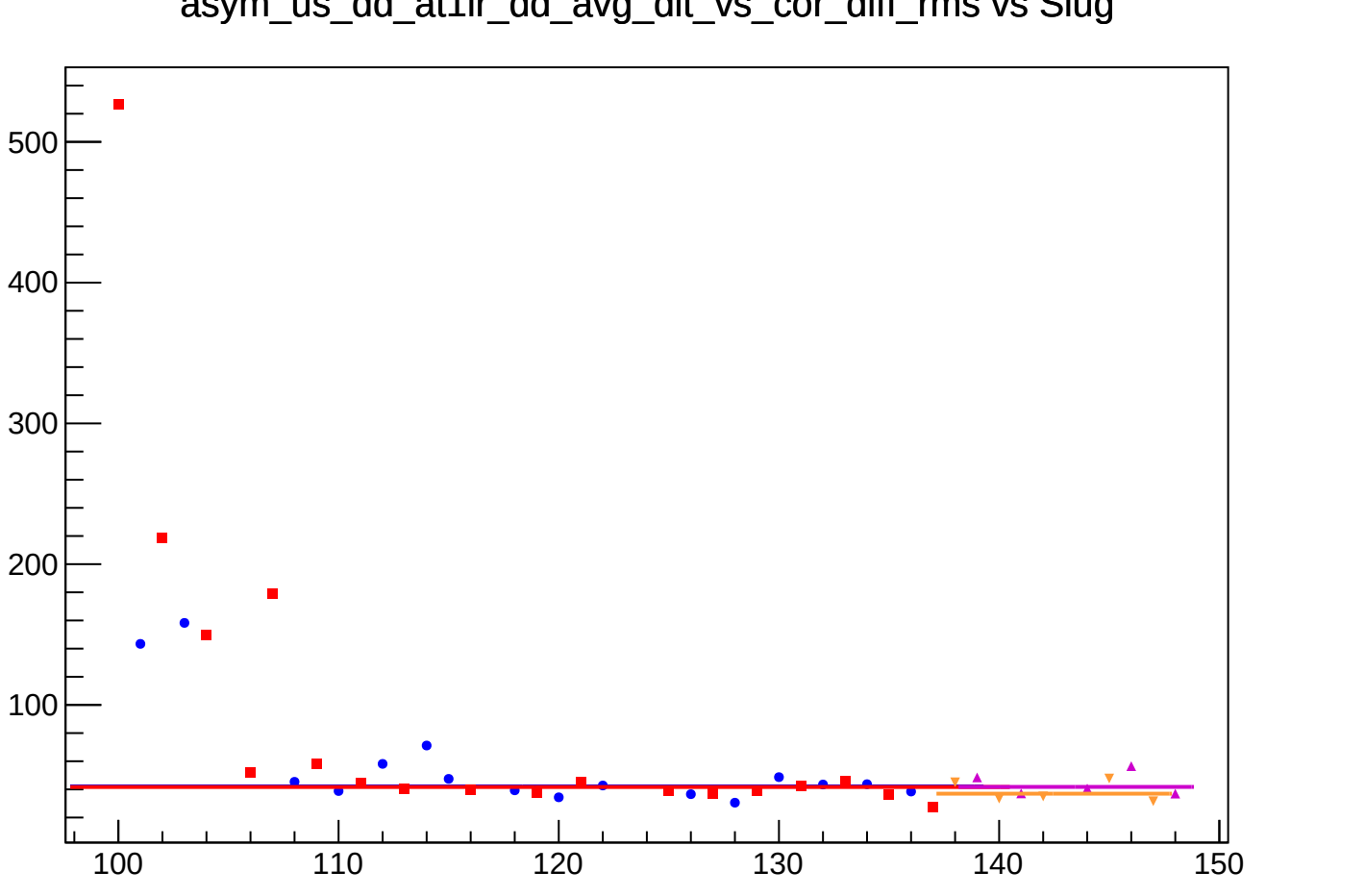
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.008+/-0.010 χ^2/NDF: 46.6/43

- sign 0.006+/-0.014 χ^2/NDF: 24.6/22



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166422.9/4

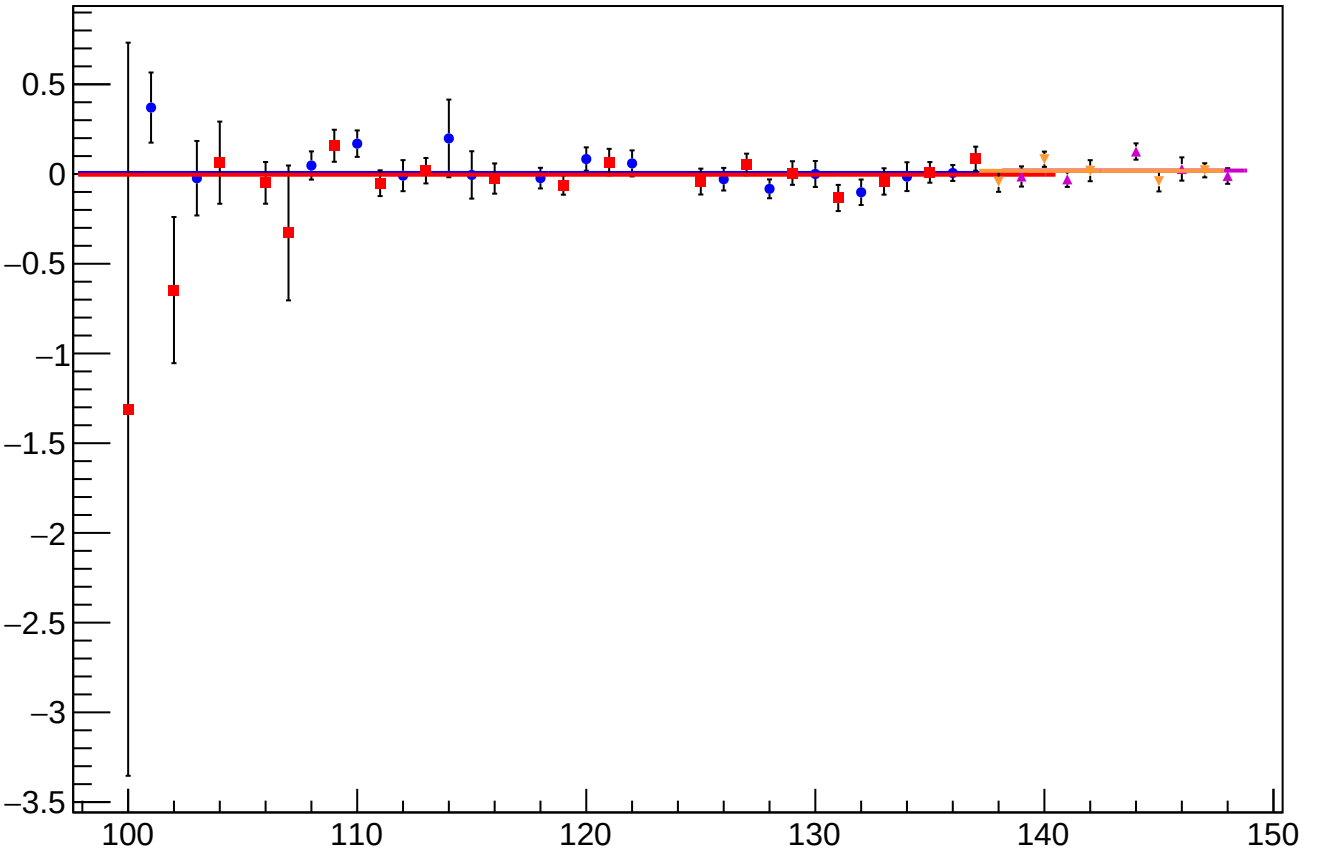
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

+ sign 40.007+/-0.010 χ^2/NDF: 1688371.1/20

All: 40.857+/-0.007 χ^2/NDF: 3325350.9/43

- sign 41.724+/-0.010 χ^2/NDF: 1622045.5/22



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

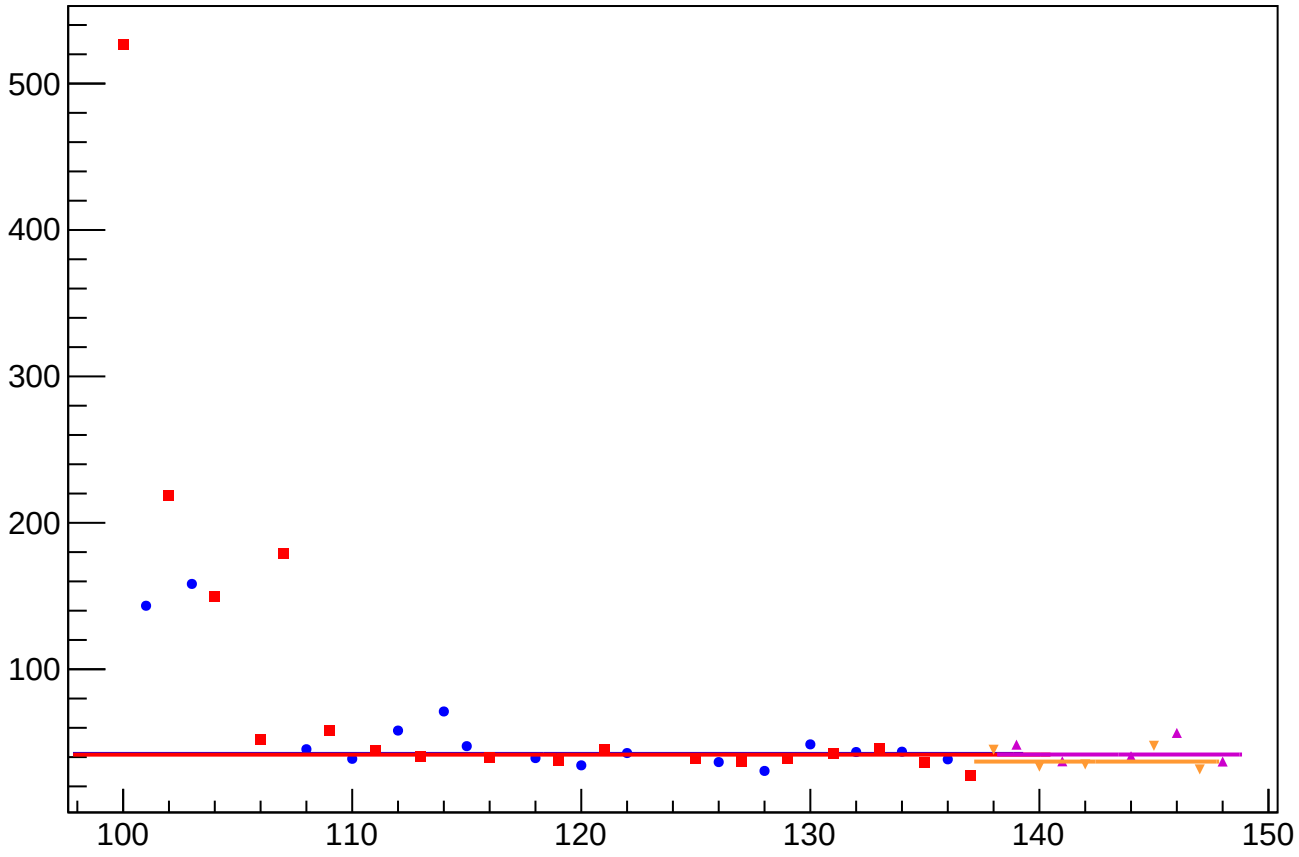
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.008+/-0.010 χ^2/NDF: 46.6/43

- sign 0.006+/-0.014 χ^2/NDF: 24.6/22



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166422.9/4

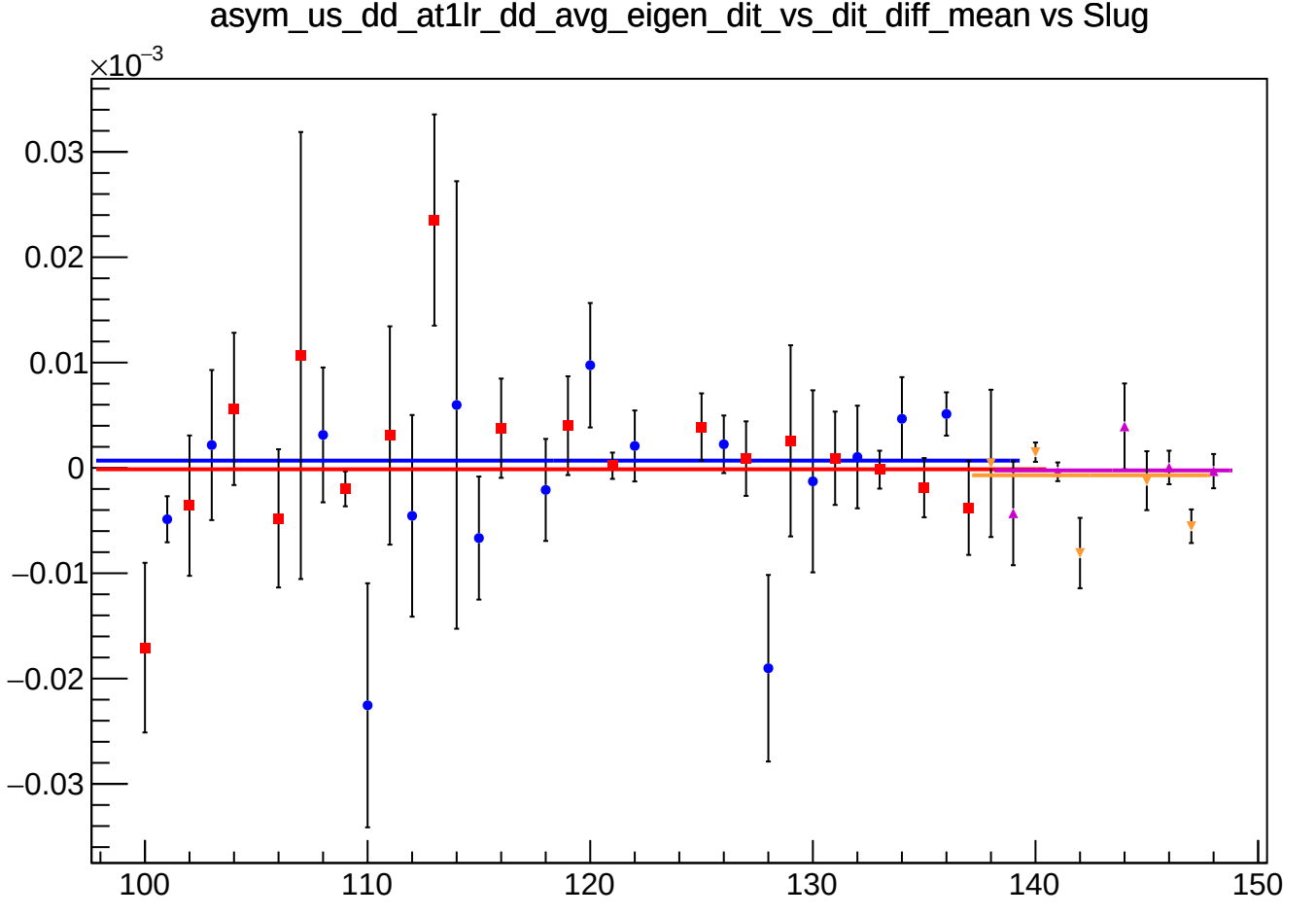
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

+ sign 40.007+/-0.010 χ^2/NDF: 1688371.1/20

All: 40.857+/-0.007 χ^2/NDF: 3325350.9/43

- sign 41.724+/-0.010 χ^2/NDF: 1622045.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/4

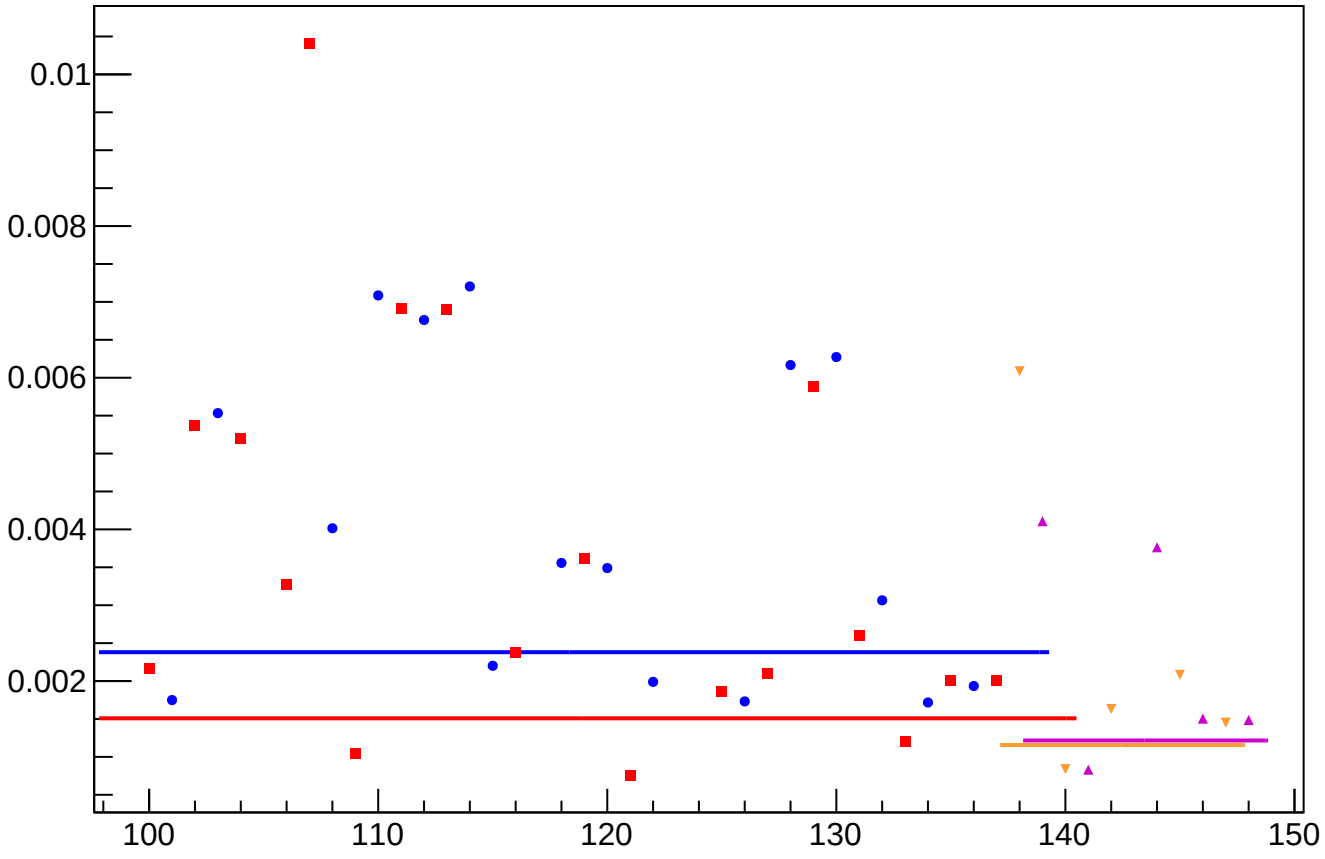
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 47.6/20

All: -0.000+/-0.000 χ^2/NDF: 66.8/43

- sign -0.000+/-0.000 χ^2/NDF: 19.2/22



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1561655.9/4

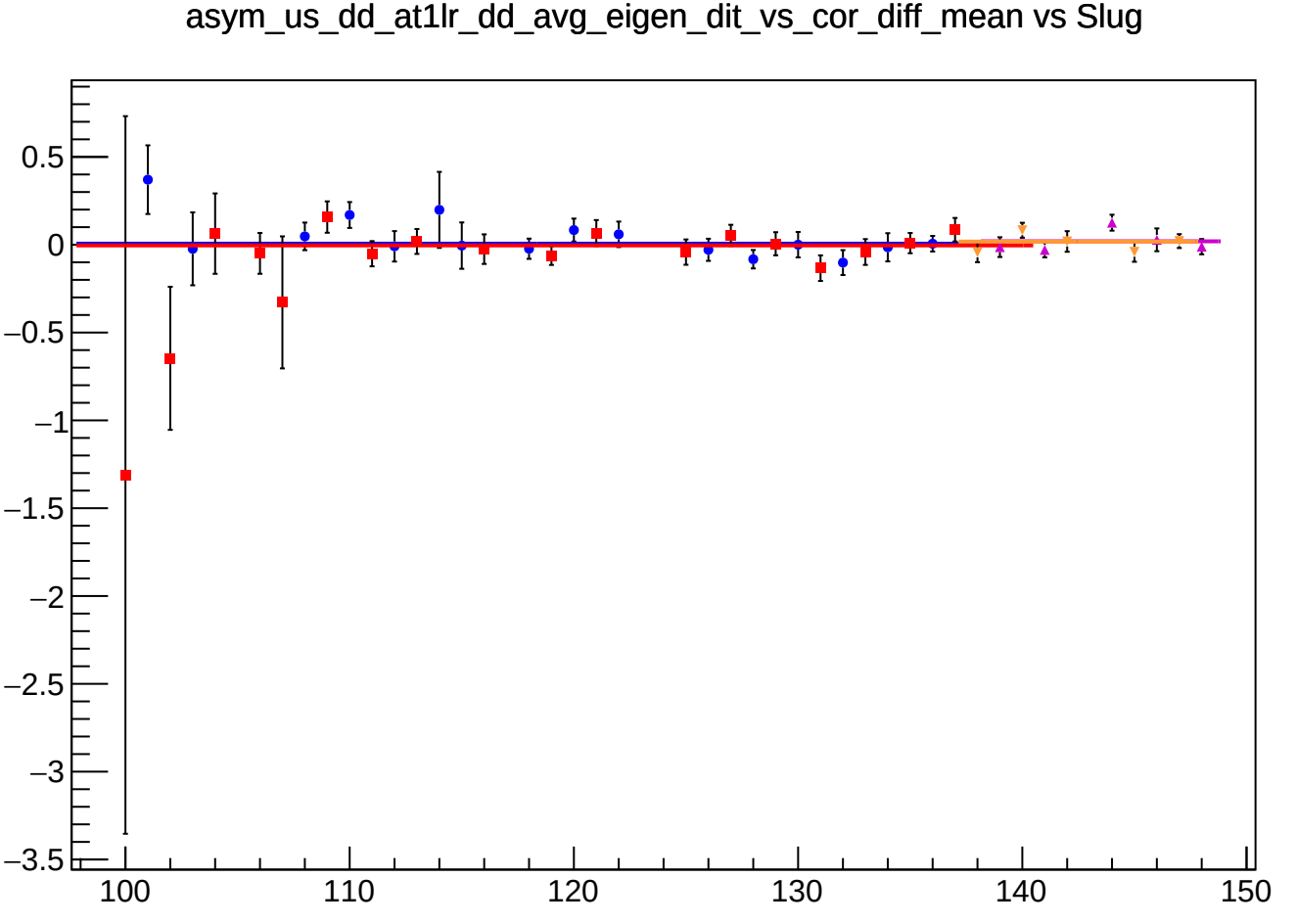
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1965362.7/4

+ sign 0.002+/-0.000 χ^2/NDF: 6285222.6/20

All: 0.001+/-0.000 χ^2/NDF: 13594853.5/43

- sign 0.001+/-0.000 χ^2/NDF: 7140186.3/22



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

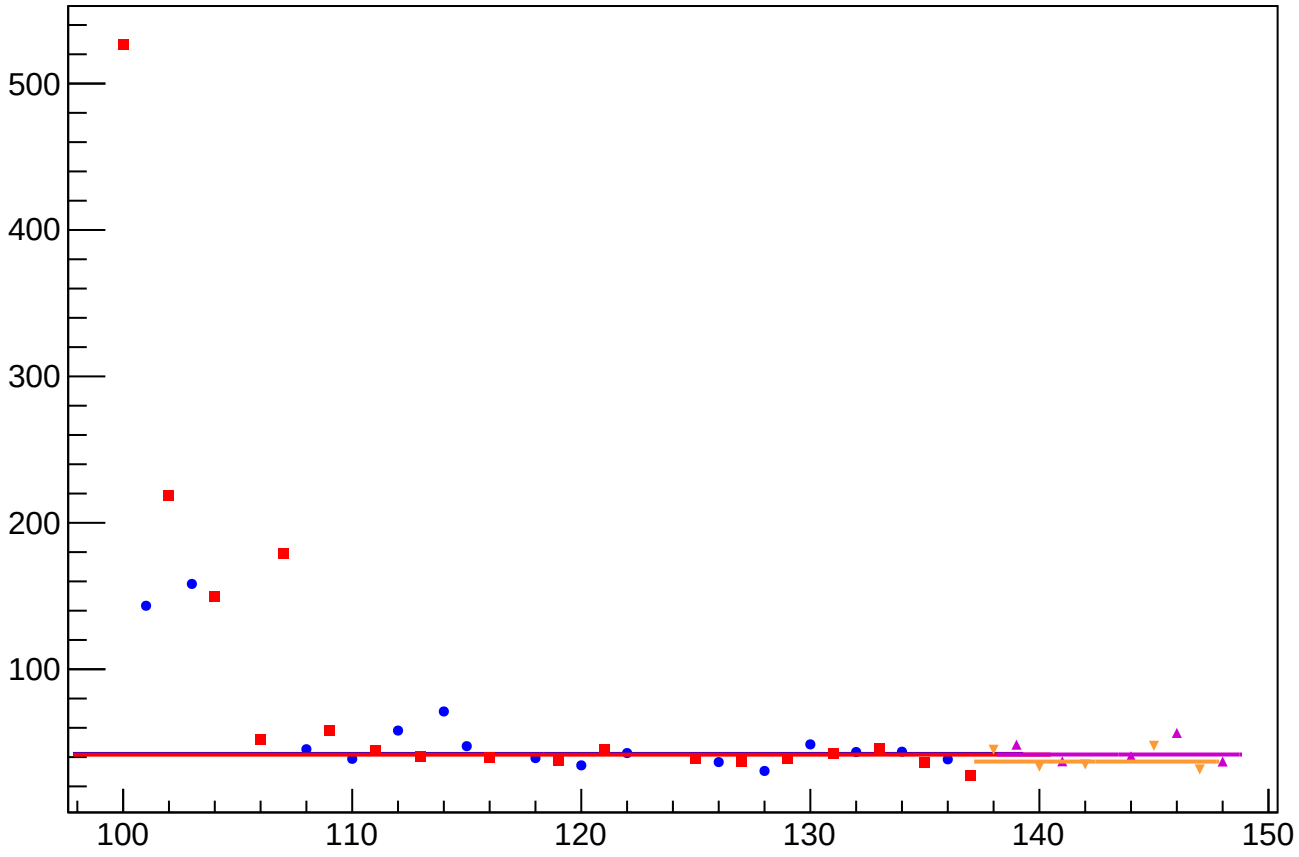
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.008+/-0.010 χ^2/NDF: 46.6/43

- sign 0.006+/-0.014 χ^2/NDF: 24.6/22



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166404.5/4

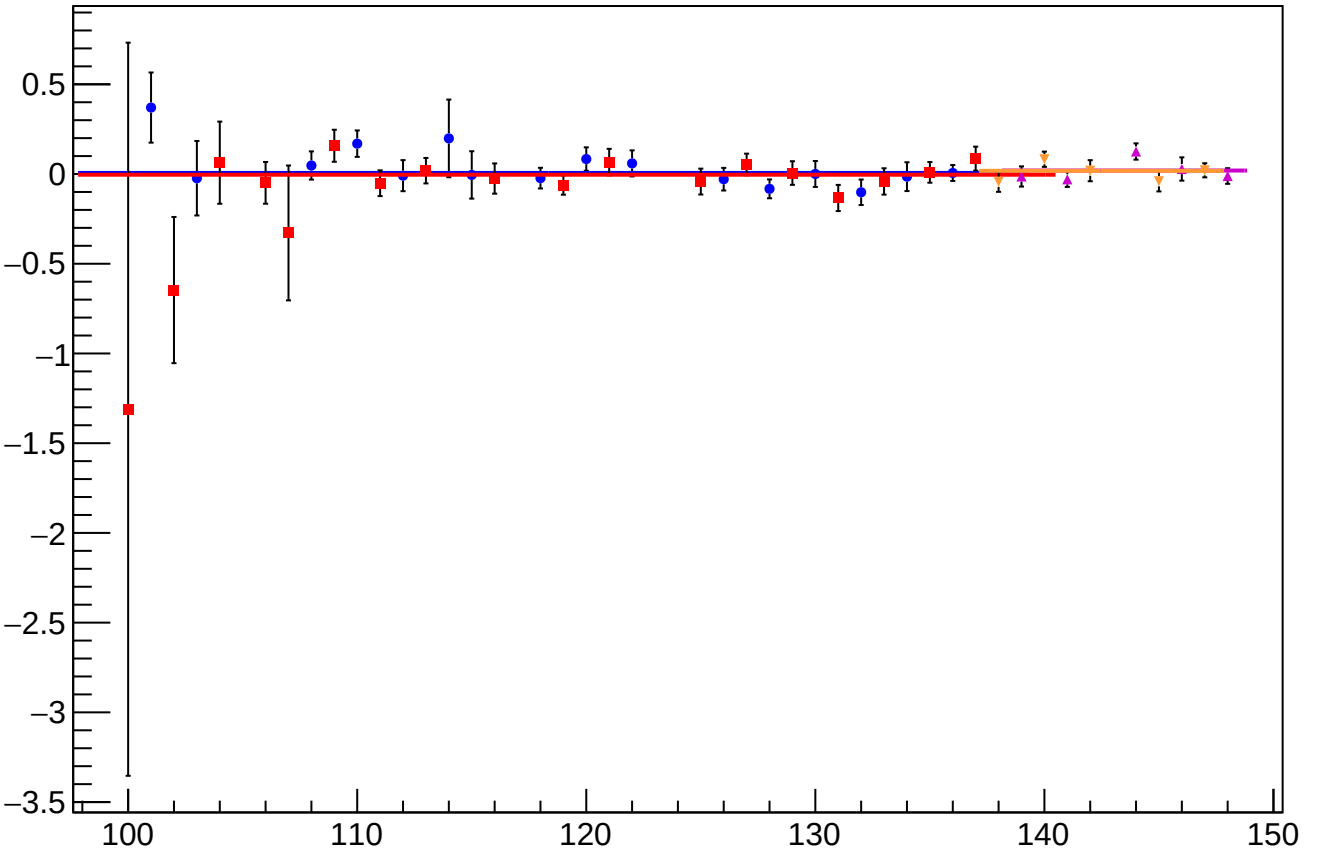
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.768+/-0.015 χ^2/NDF:180836.2/4

\+ sign 40.005+/-0.010 χ^2/NDF: 1688500.5/20

All: 40.856+/-0.007 χ^2/NDF: 3325498.8/43

\- sign 41.724+/-0.010 χ^2/NDF: 1622035.5/22



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.018+/-0.022 χ^2/NDF:4.6/4

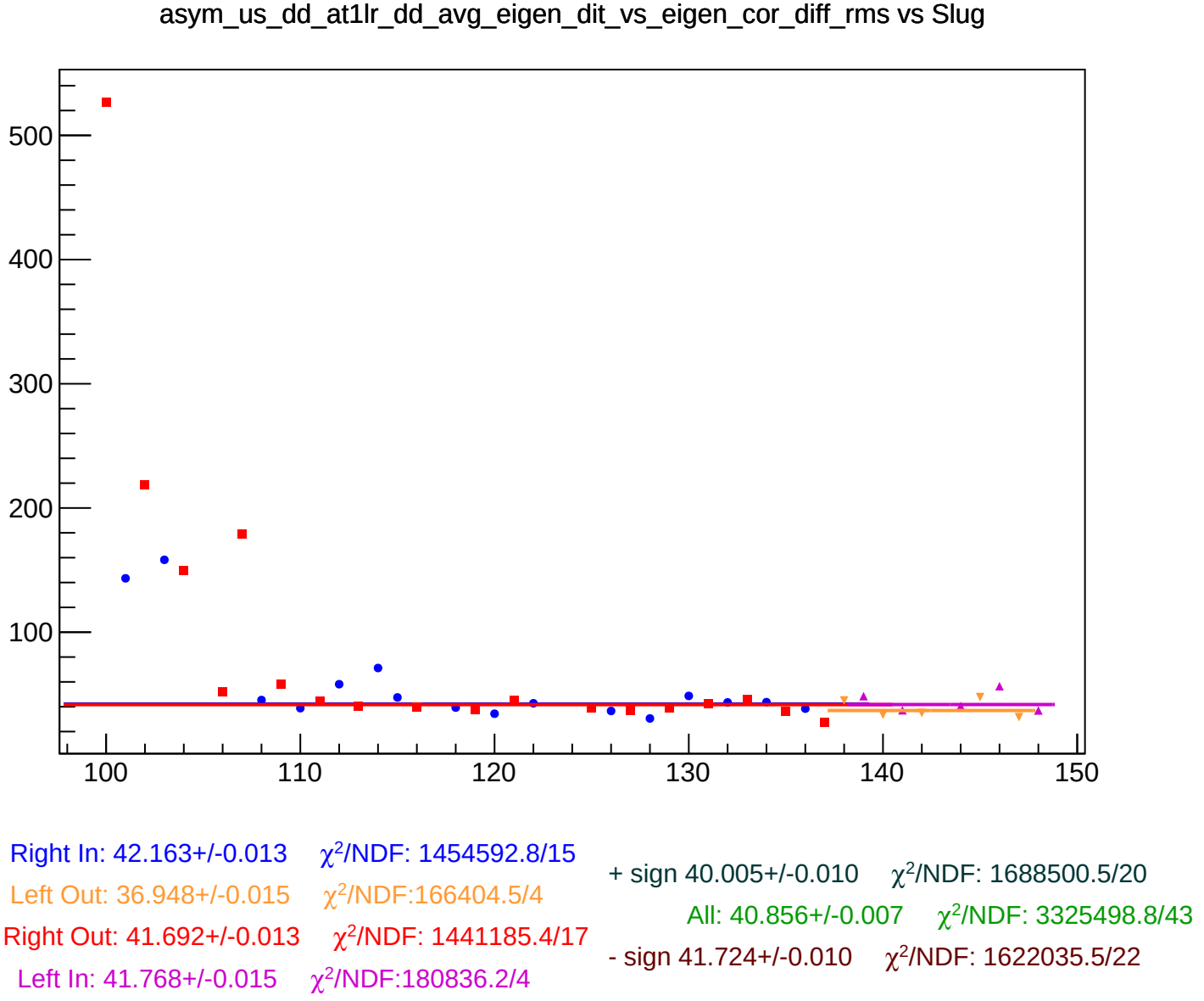
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

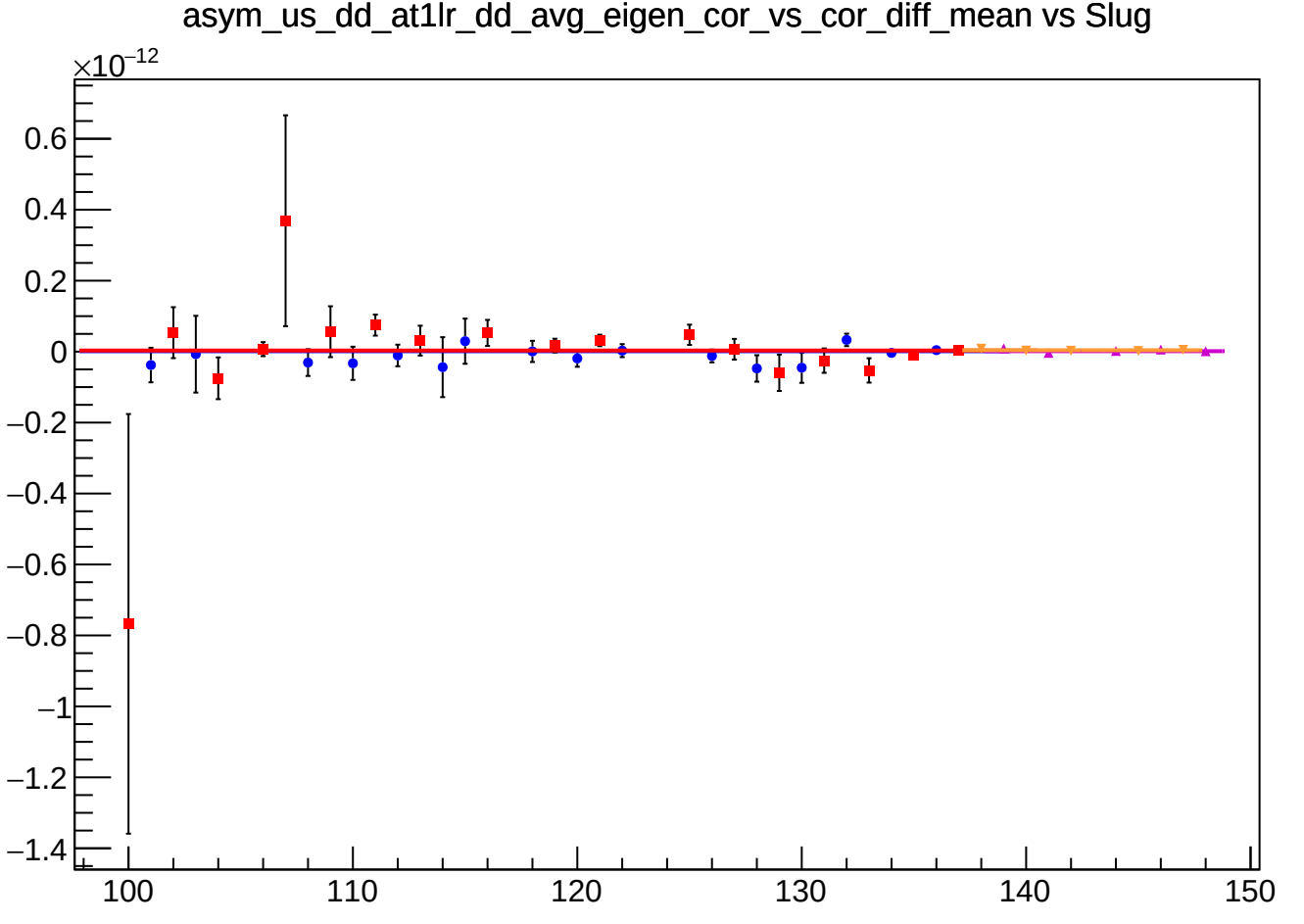
Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.011+/-0.014 χ^2/NDF: 21.9/20

All: 0.008+/-0.010 χ^2/NDF: 46.6/43

- sign 0.006+/-0.014 χ^2/NDF: 24.6/22


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
150
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: 41.768+/-0.015 χ²/NDF:180836.2/4
+ sign 40.005+/-0.010 χ²/NDF: 1688500.5/20
All: 40.856+/-0.007 χ²/NDF: 3325498.8/43
- sign 41.724+/-0.010 χ²/NDF: 1622035.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/4

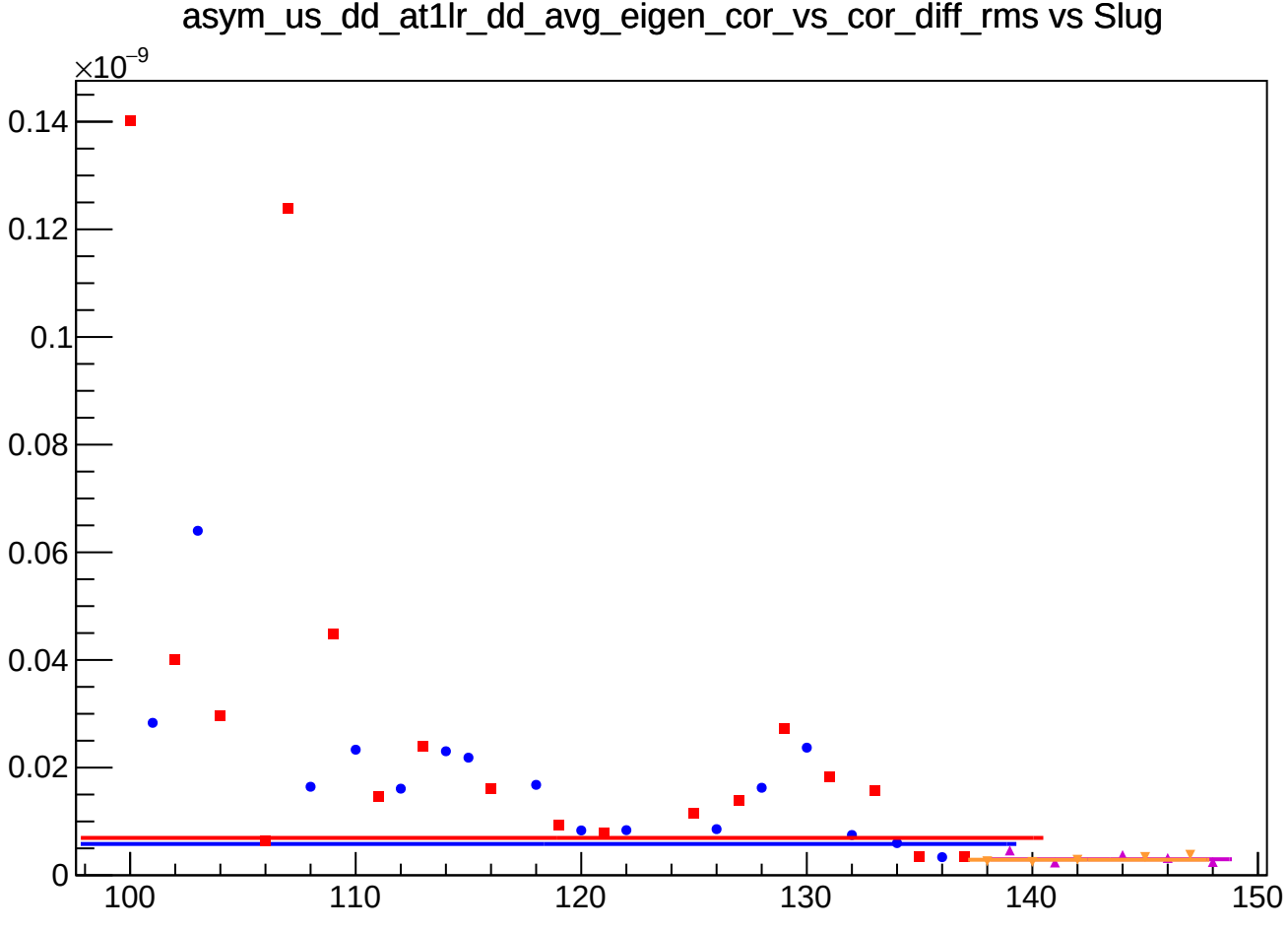
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 12.2/20

All: 0.000+/-0.000 χ^2/NDF: 45.8/43

- sign 0.000+/-0.000 χ^2/NDF: 33.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:114775.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

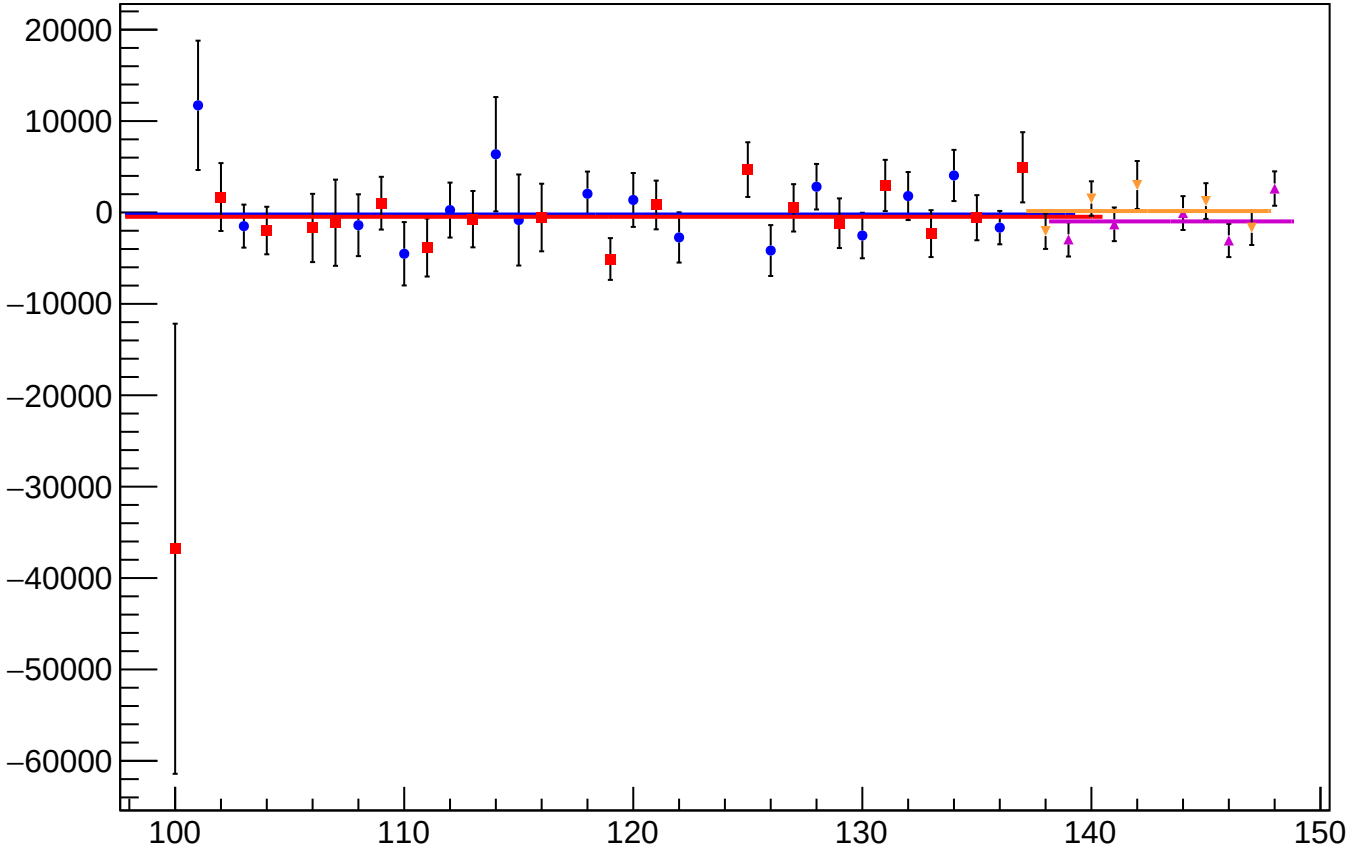
Left In: 0.000+/-0.000 χ^2/NDF:256615.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 4292203.6/20

All: 0.000+/-0.000 χ^2/NDF: 9529213.2/43

- sign 0.000+/-0.000 χ^2/NDF: 5235715.8/22

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

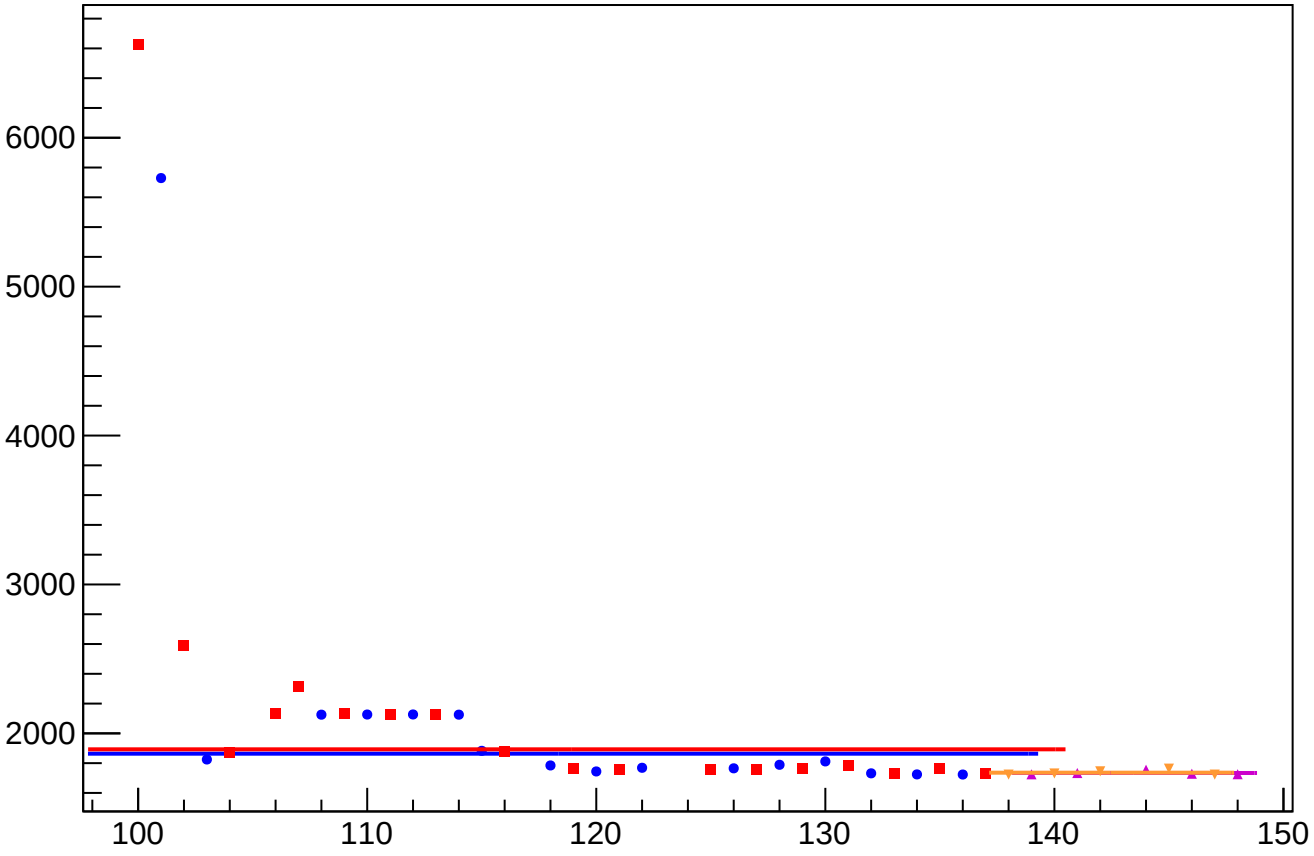
Left In: -978.168+/-828.959 χ^2/NDF:6.3/4

+ sign -78.456+/-557.461 χ^2/NDF: 20.1/20

All: -392.439+/-387.823 χ^2/NDF: 43.2/43

- sign -686.940+/-539.890 χ^2/NDF: 22.4/22

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

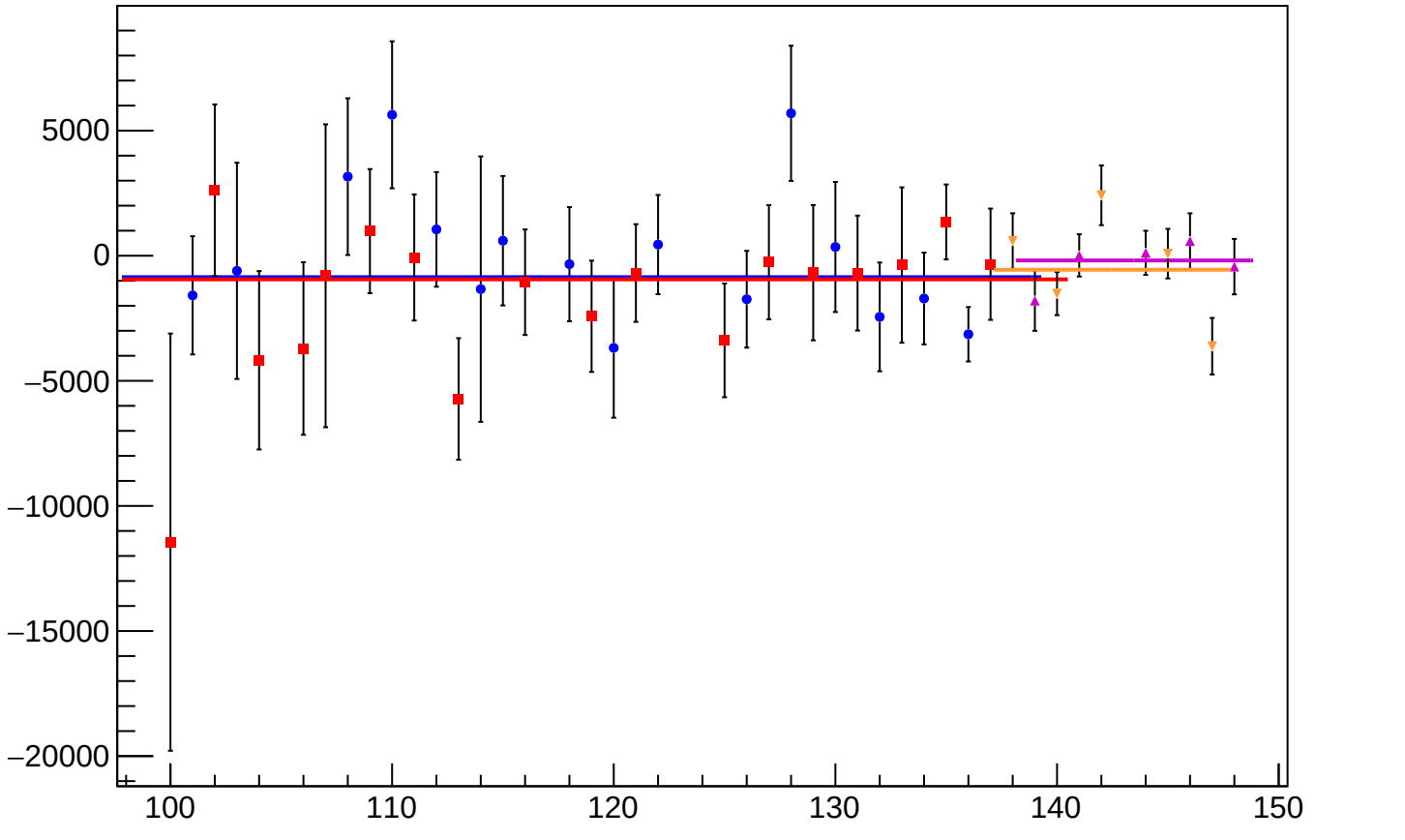
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.5/20

All: 1820.300+/-0.274 χ^2/NDF: 994629.0/43

- sign 1825.457+/-0.382 χ^2/NDF: 294217.5/22



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -560.634+/-463.396 χ^2/NDF:16.2/4

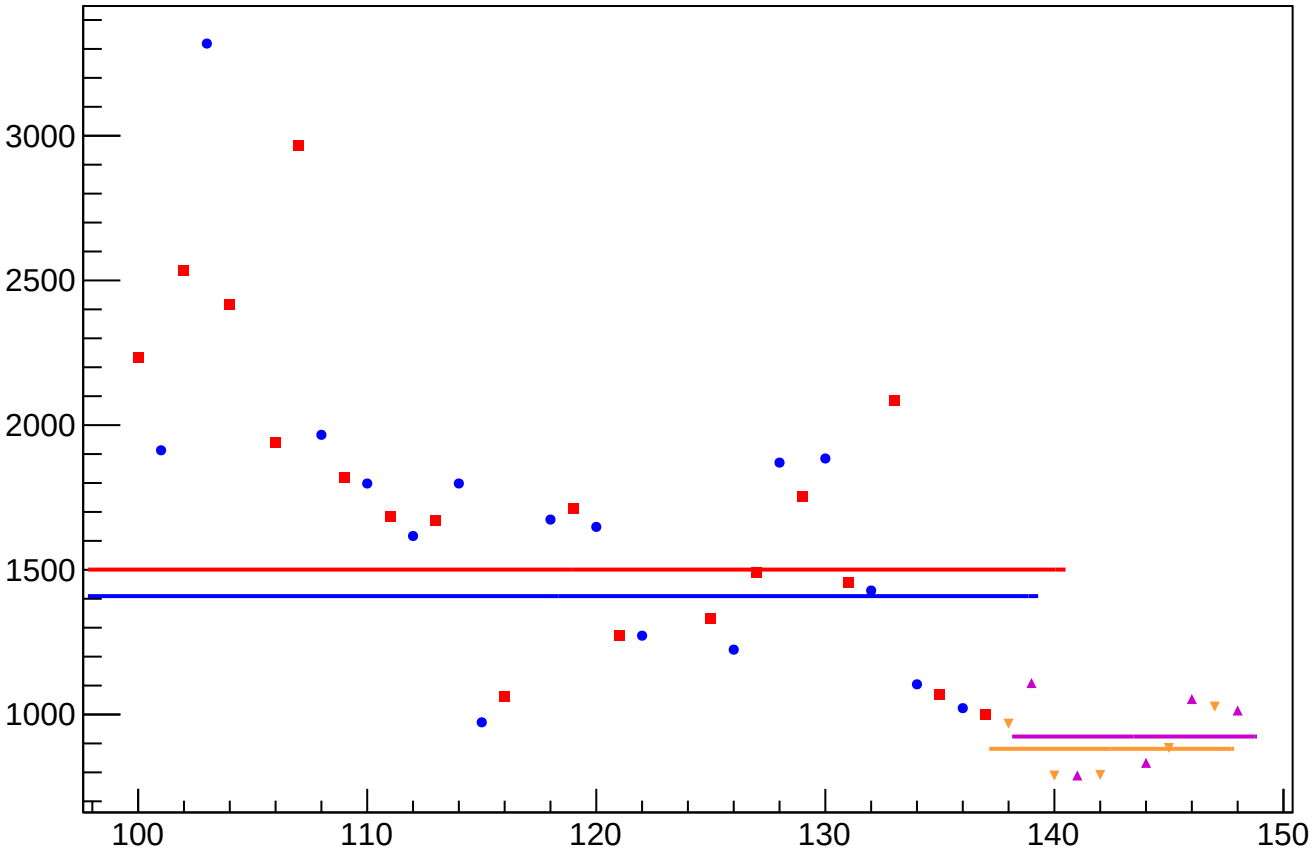
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -189.517+/-447.158 χ^2/NDF:2.5/4

\+ sign -683.850+/-354.325 χ^2/NDF: 37.0/20

All: -576.464+/-250.794 χ^2/NDF: 53.6/43

\- sign -468.651+/-355.029 χ^2/NDF: 16.4/22



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

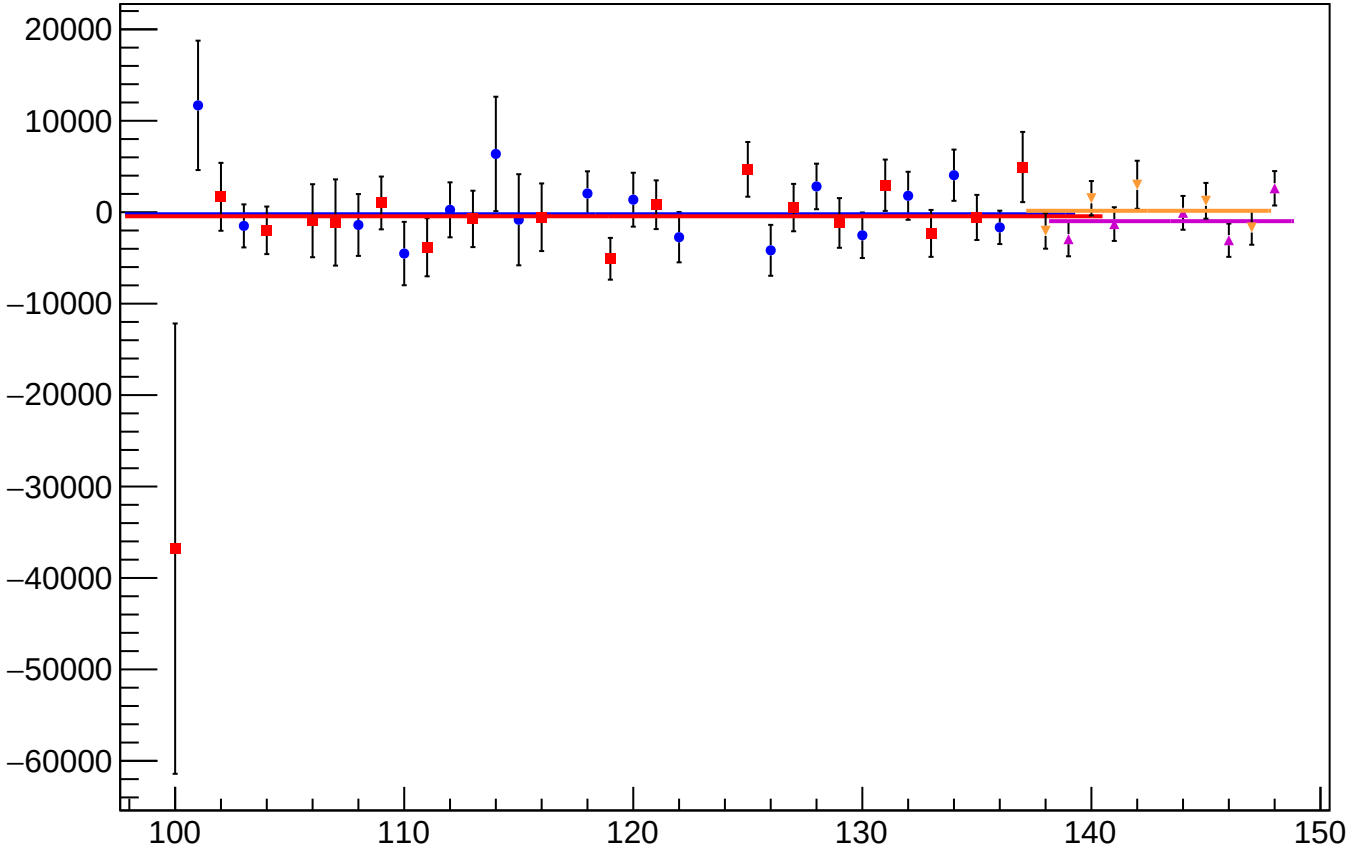
Left In: 923.868+/-0.316 χ^2/NDF:159437.5/4

+ sign 1100.579+/-0.251 χ^2/NDF: 2324781.2/20

All: 1118.809+/-0.177 χ^2/NDF: 4756172.7/43

- sign 1137.112+/-0.251 χ^2/NDF: 2420782.3/22

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

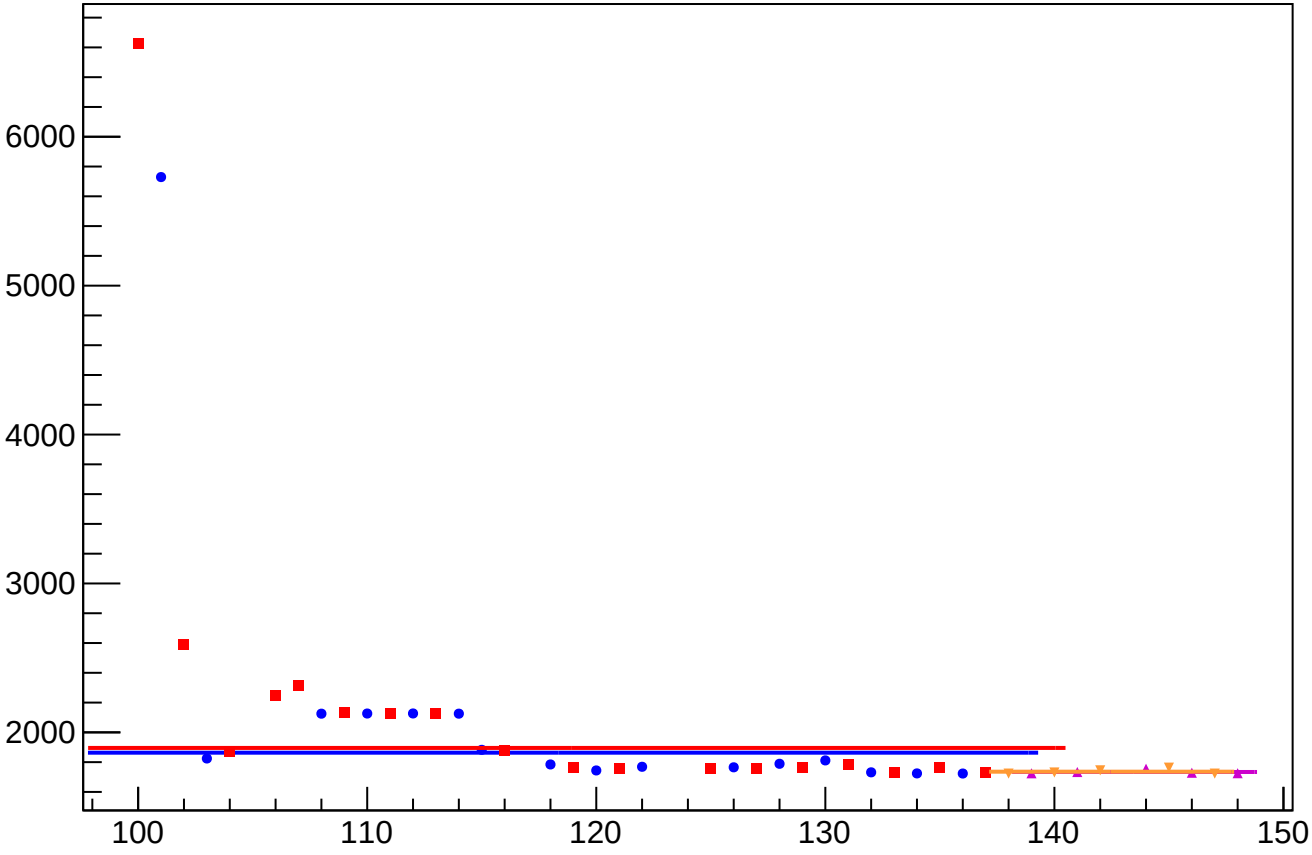
Left In: -978.061+/-828.959 χ^2/NDF:6.3/4

+ sign -78.878+/-557.461 χ^2/NDF: 20.1/20

All: -383.807+/-388.085 χ^2/NDF: 43.1/43

- sign -670.567+/-540.598 χ^2/NDF: 22.3/22

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

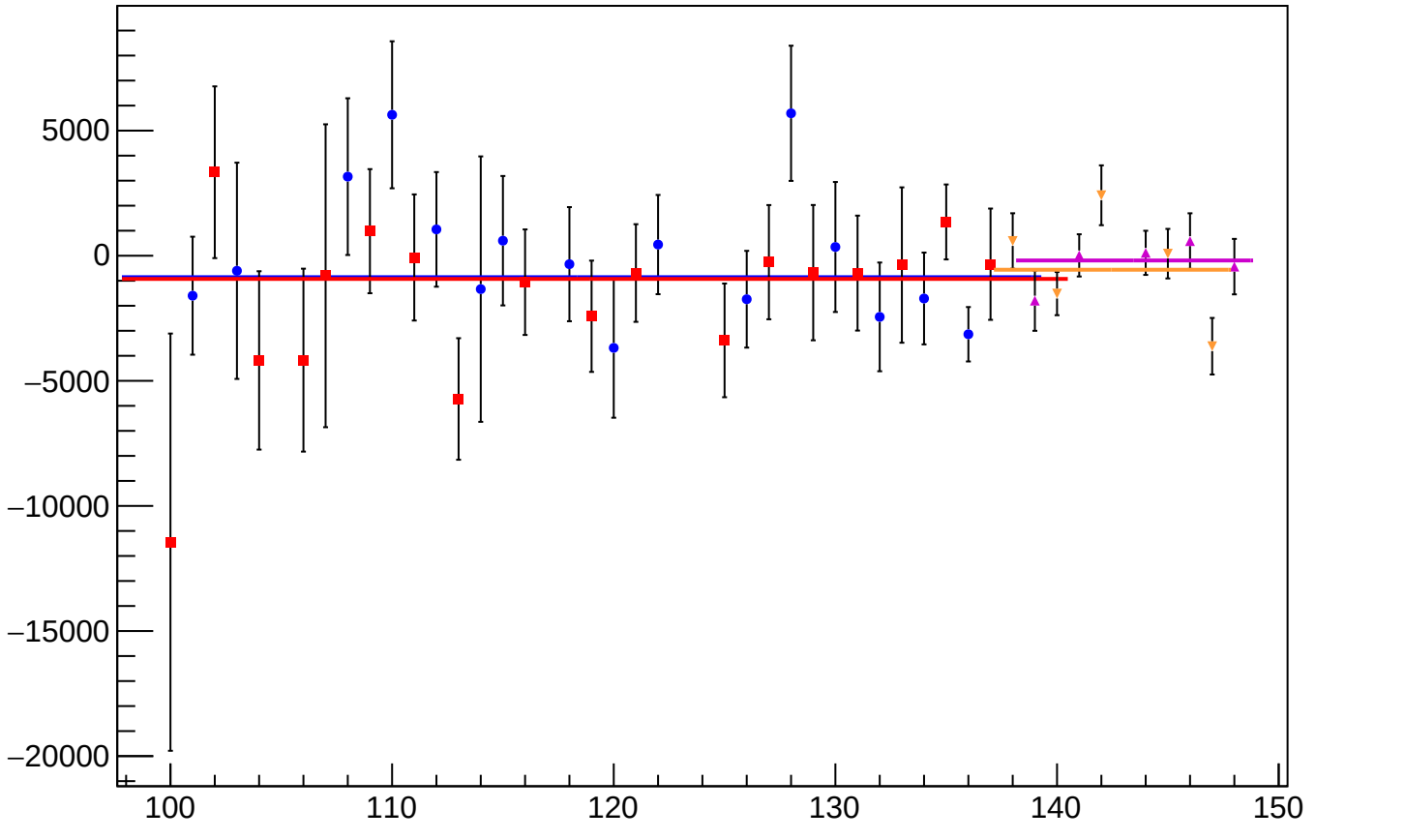
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.4/20

All: 1820.979+/-0.274 χ^2/NDF: 1003712.8/43

- sign 1826.789+/-0.382 χ^2/NDF: 303201.9/22



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -560.629+/-463.398 χ^2/NDF:16.2/4

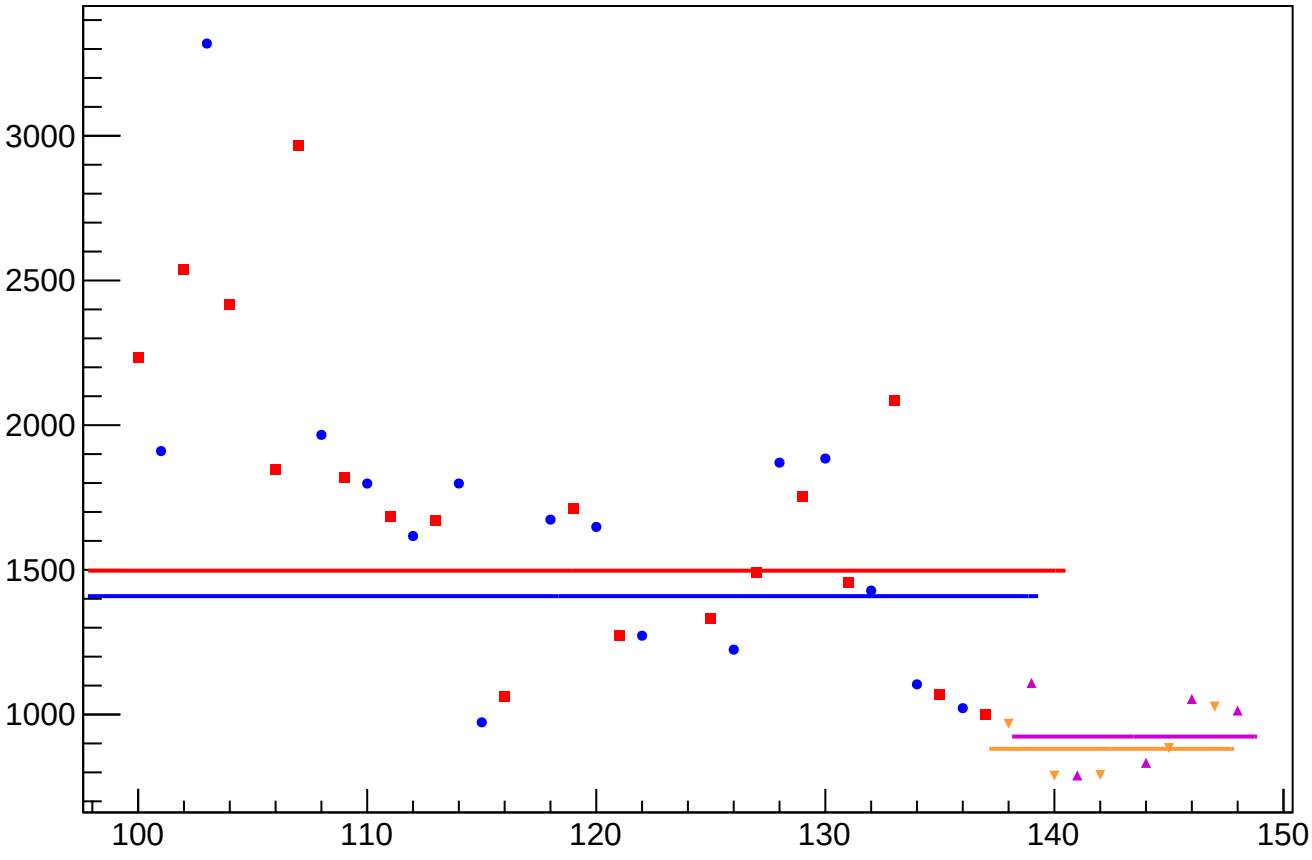
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -189.580+/-447.154 χ^2/NDF:2.5/4

+ sign -684.200+/-354.315 χ^2/NDF: 37.0/20

All: -573.223+/-250.863 χ^2/NDF: 54.2/43

- sign -461.669+/-355.233 χ^2/NDF: 17.0/22



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

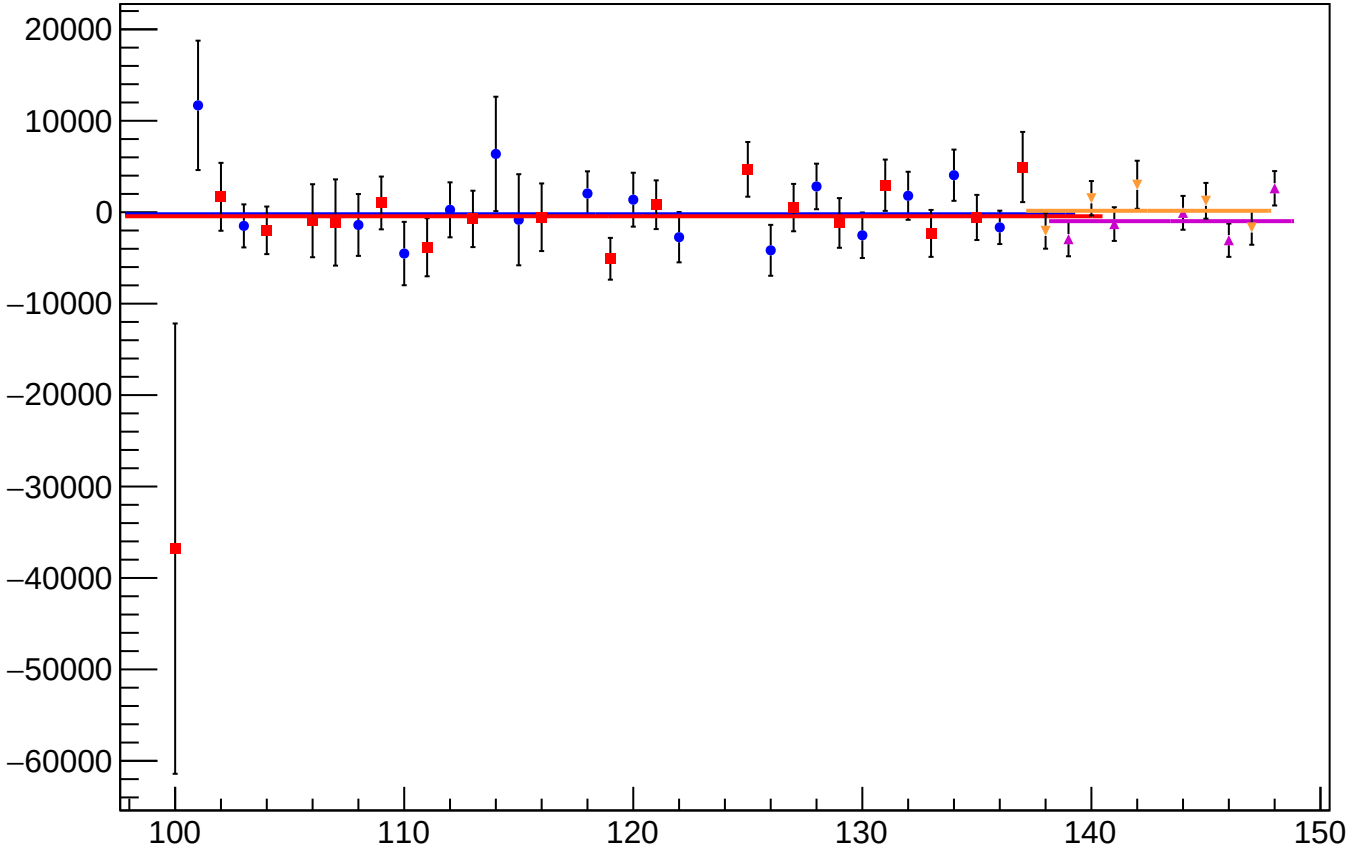
Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

+ sign 1100.572+/-0.251 χ^2/NDF: 2323876.3/20

All: 1117.908+/-0.177 χ^2/NDF: 4723729.9/43

- sign 1135.334+/-0.251 χ^2/NDF: 2390252.6/22

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

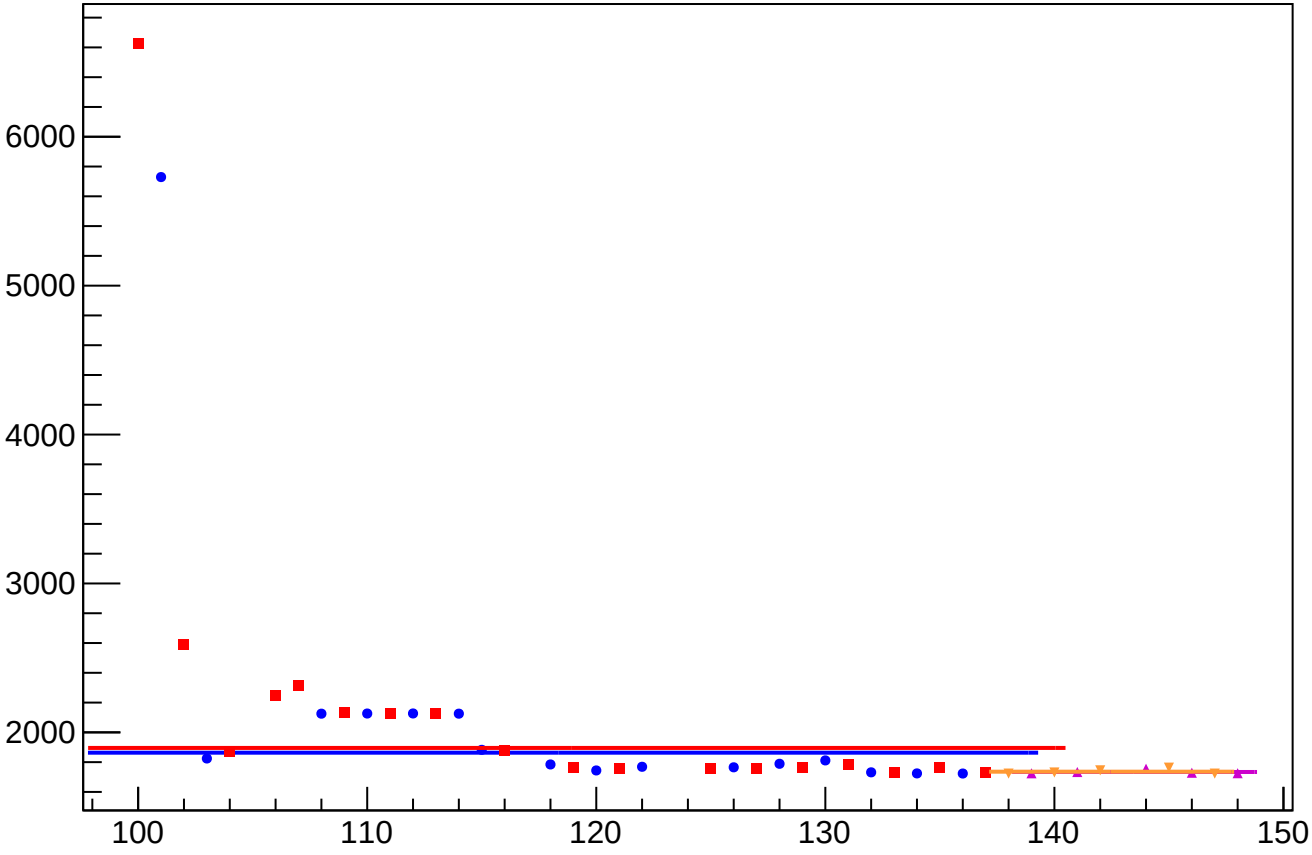
Left In: -978.061+/-828.959 χ^2/NDF:6.3/4

+ sign -78.878+/-557.461 χ^2/NDF: 20.1/20

All: -383.807+/-388.085 χ^2/NDF: 43.1/43

- sign -670.567+/-540.598 χ^2/NDF: 22.3/22

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

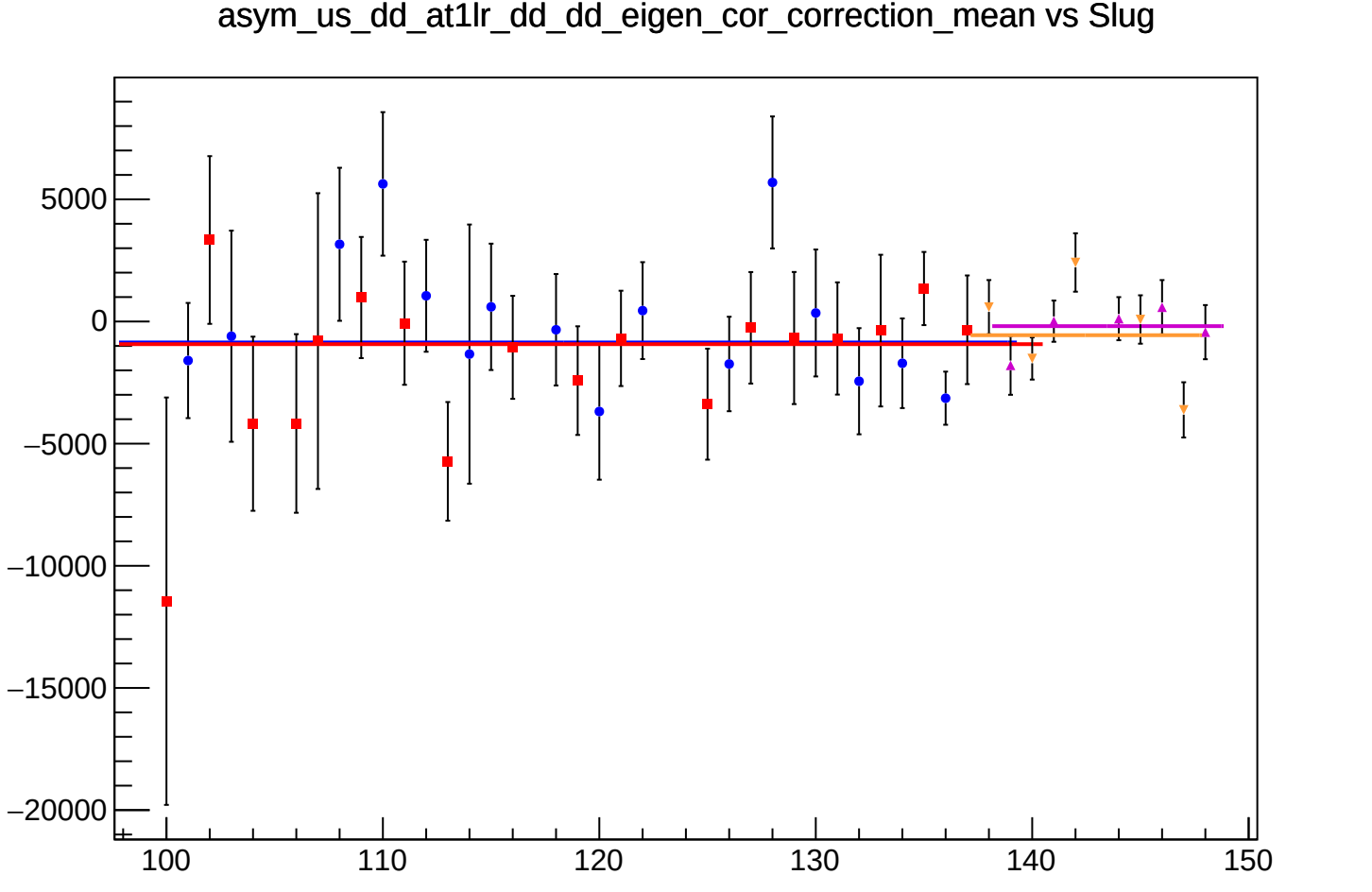
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1814.802+/-0.394 χ^2/NDF: 700034.4/20

All: 1820.979+/-0.274 χ^2/NDF: 1003712.8/43

- sign 1826.789+/-0.382 χ^2/NDF: 303201.9/22



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -560.629+/-463.398 χ^2/NDF:16.2/4

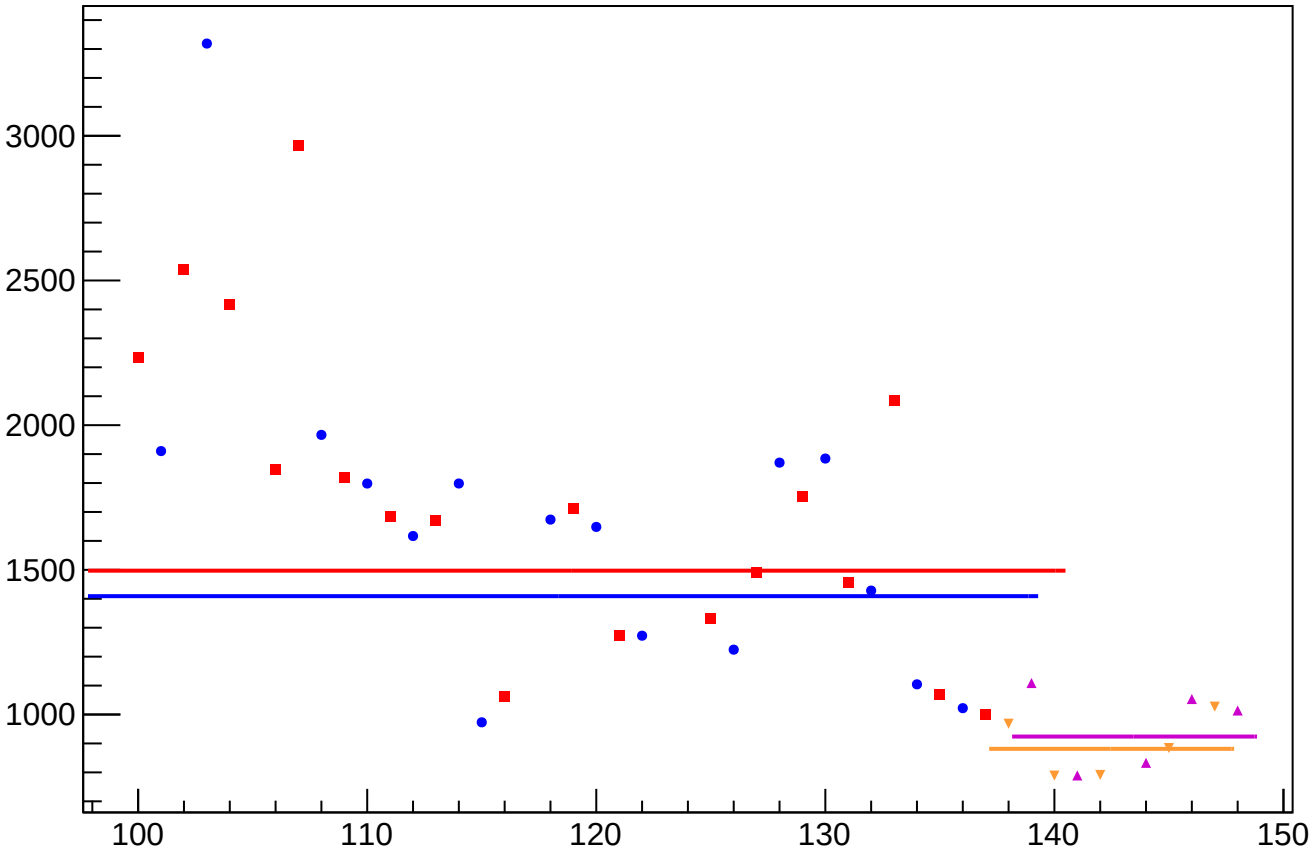
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -189.580+/-447.154 χ^2/NDF:2.5/4

+ sign -684.200+/-354.315 χ^2/NDF: 37.0/20

All: -573.223+/-250.863 χ^2/NDF: 54.2/43

- sign -461.669+/-355.233 χ^2/NDF: 17.0/22



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

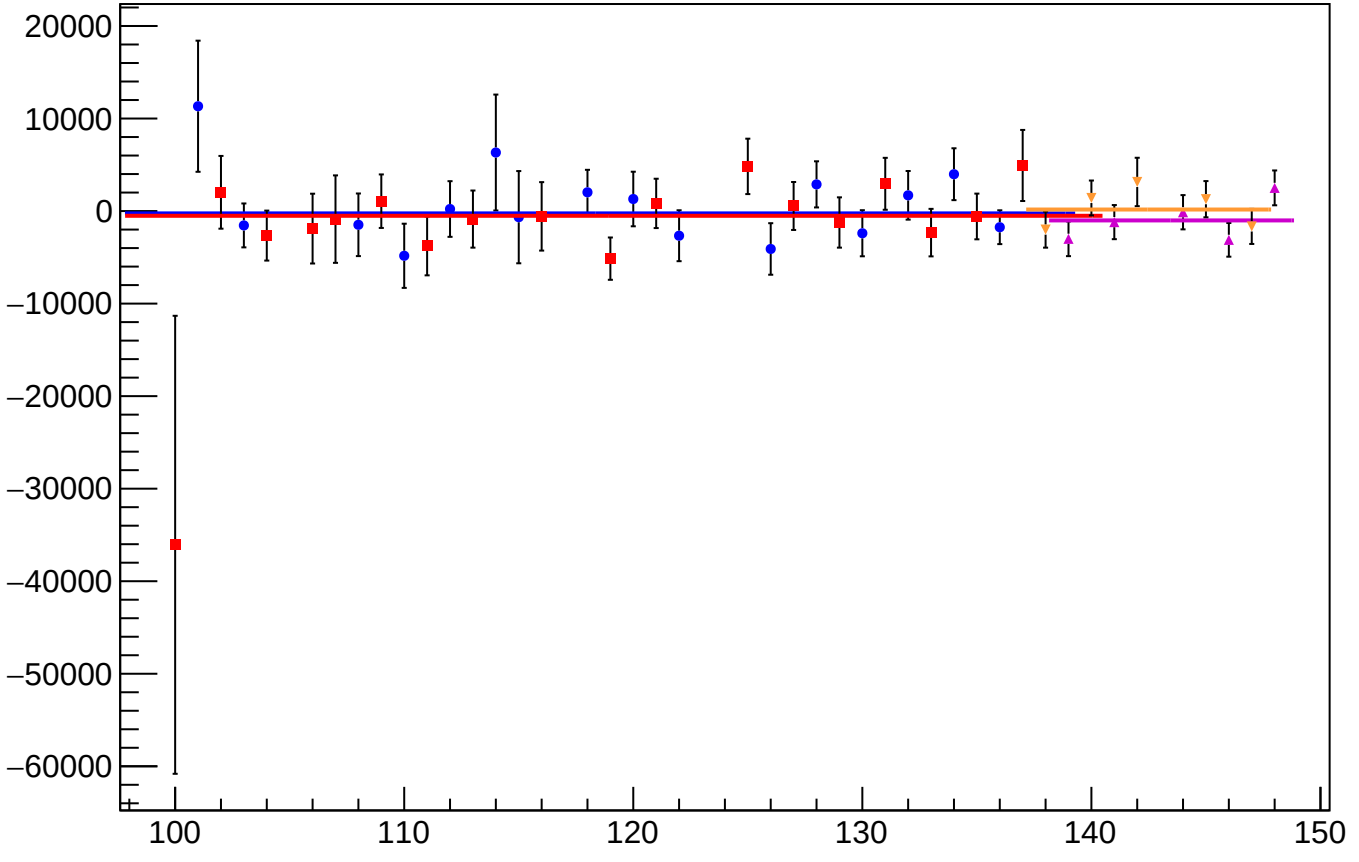
Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

+ sign 1100.572+/-0.251 χ^2/NDF: 2323876.3/20

All: 1117.908+/-0.177 χ^2/NDF: 4723729.9/43

- sign 1135.334+/-0.251 χ^2/NDF: 2390252.6/22

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

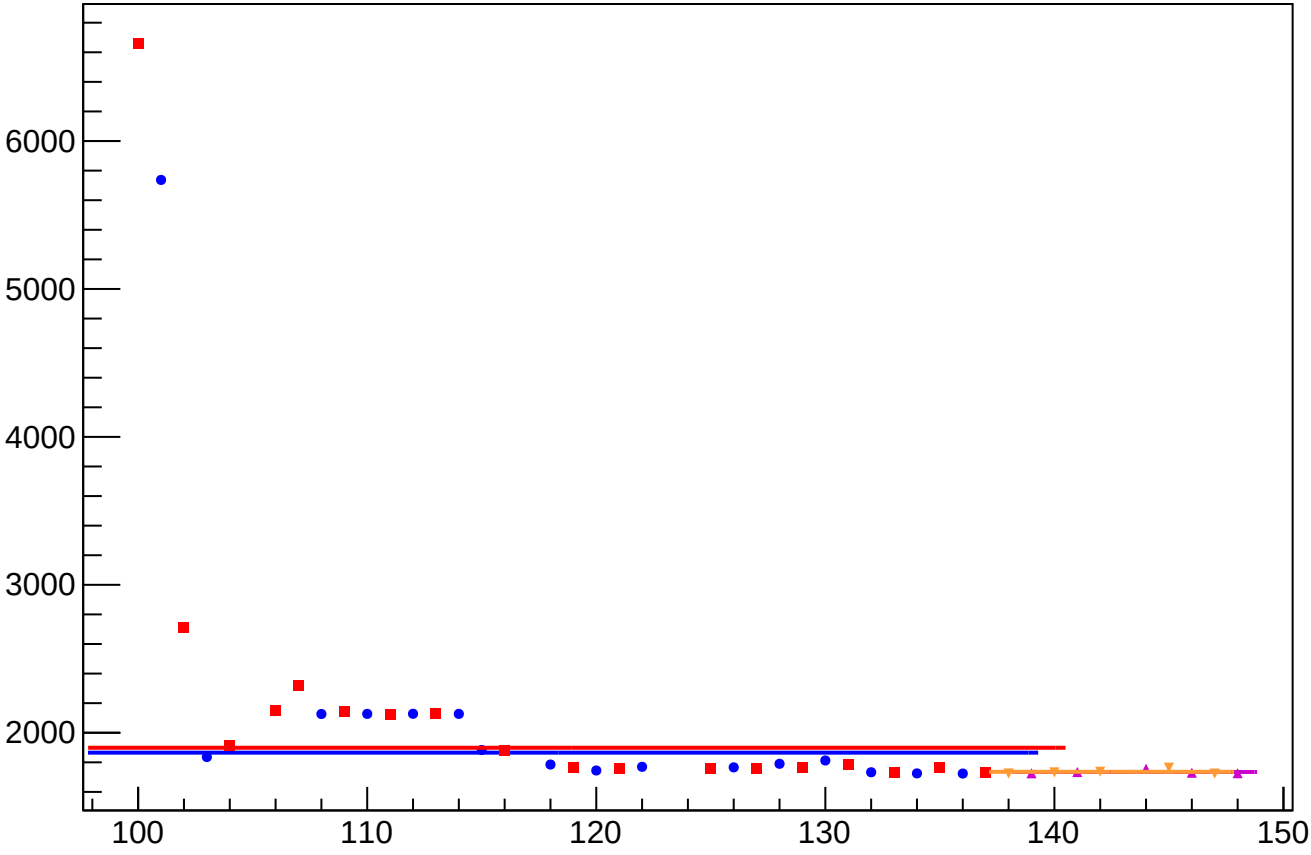
Left In: -1010.706+/-829.364 χ^2/NDF:6.2/4

+ sign -91.768+/-557.871 χ^2/NDF: 20.0/20

All: -417.006+/-388.642 χ^2/NDF: 43.5/43

- sign -723.695+/-541.730 χ^2/NDF: 22.8/22

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

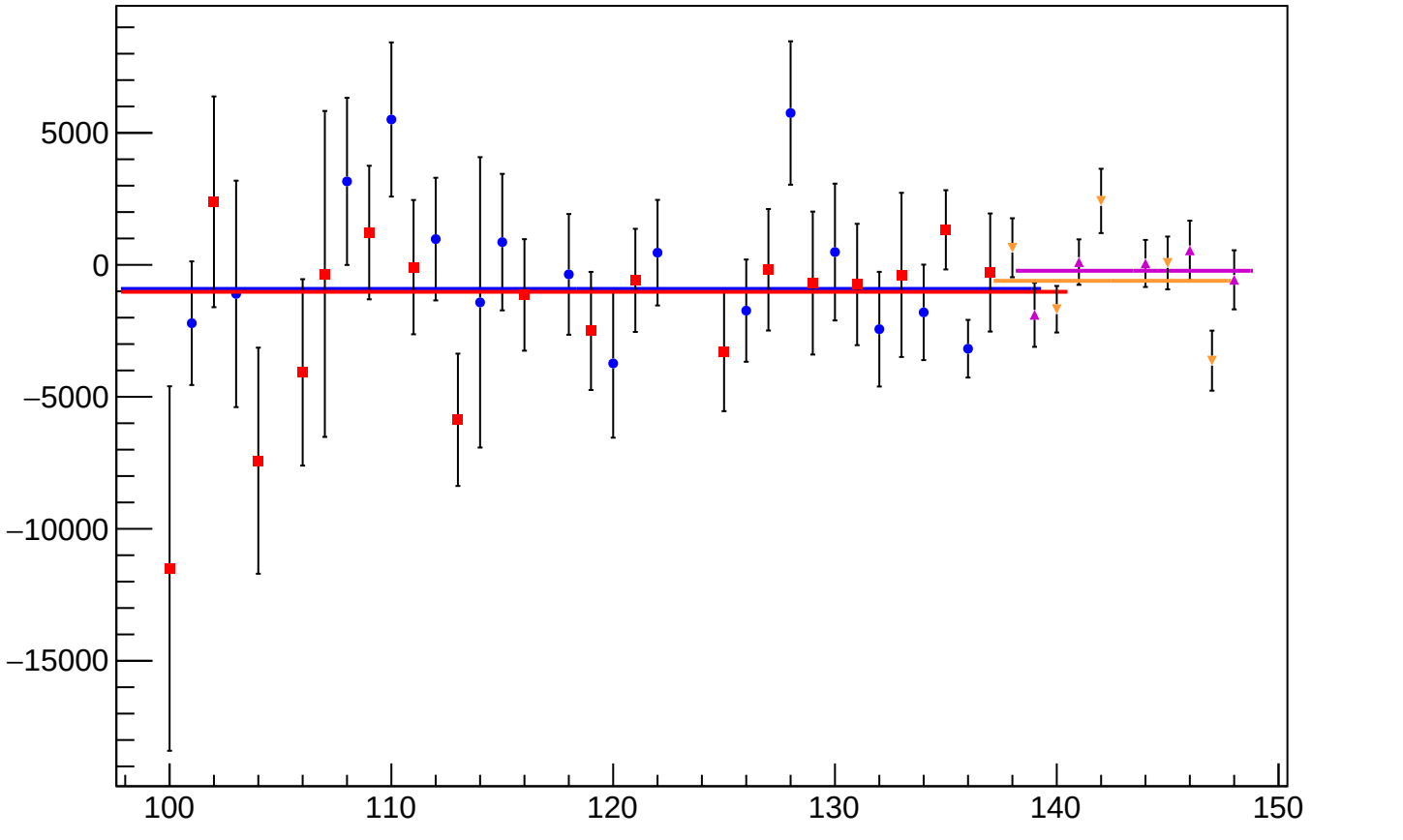
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

+ sign 1815.866+/-0.394 χ^2/NDF: 701037.9/20

All: 1822.478+/-0.275 χ^2/NDF: 1015805.5/43

- sign 1828.714+/-0.383 χ^2/NDF: 314221.7/22



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

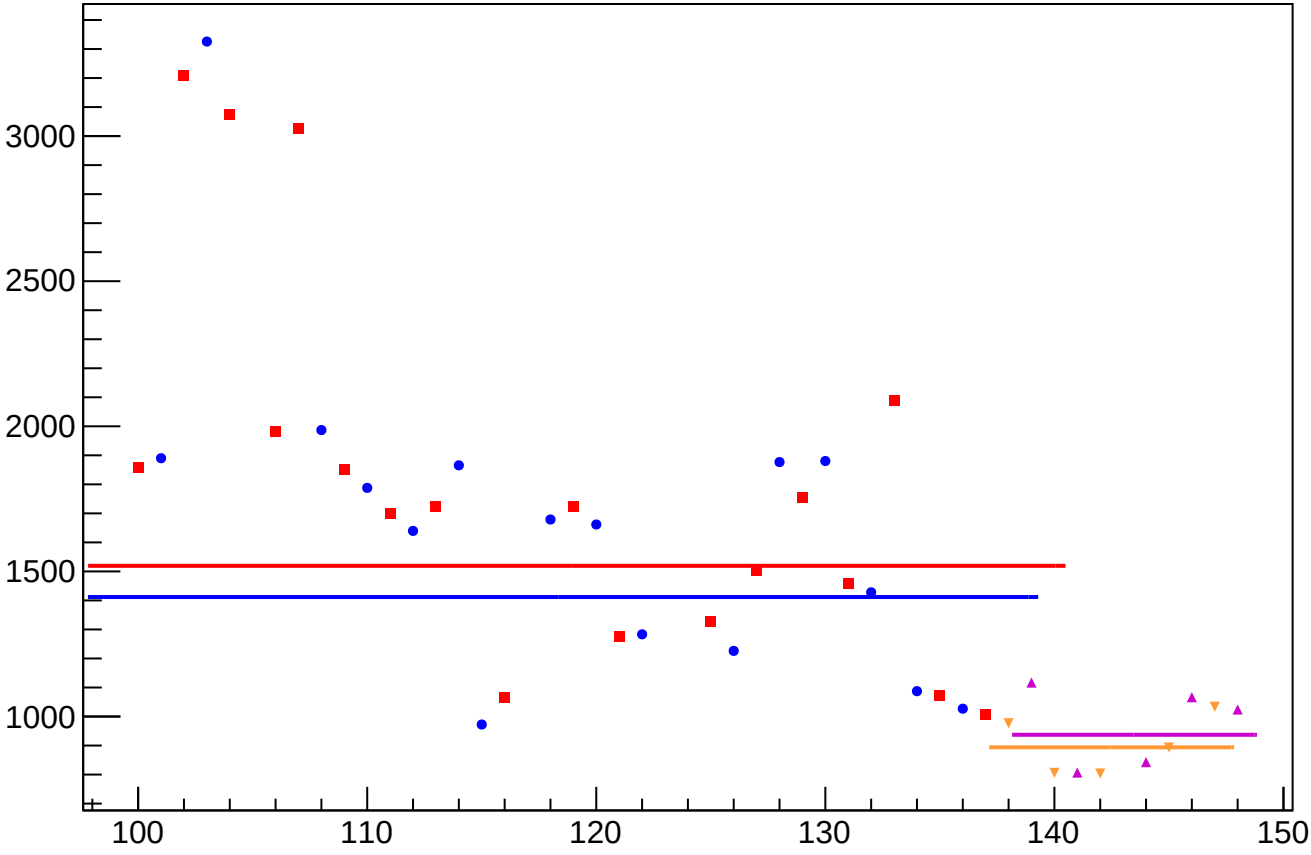
Left In: -224.060+/-453.176 χ^2/NDF:2.7/4

+ sign -733.498+/-357.388 χ^2/NDF: 37.6/20

All: -626.679+/-253.545 χ^2/NDF: 56.6/43

- sign -518.440+/-359.756 χ^2/NDF: 18.8/22

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 893.858+/-0.332 χ^2/NDF:72043.7/4

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

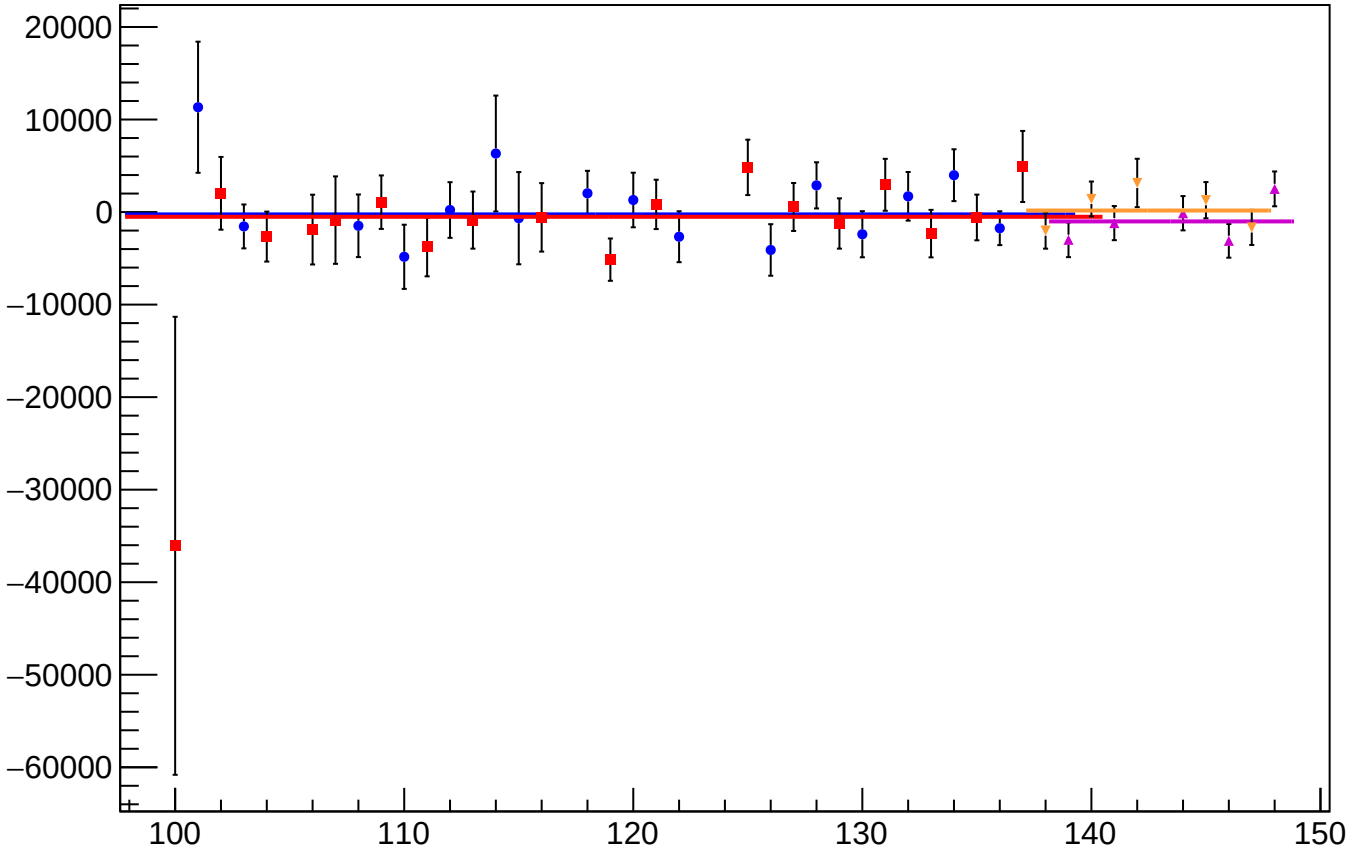
Left In: 937.096+/-0.320 χ^2/NDF:150439.8/4

+ sign 1111.866+/-0.253 χ^2/NDF: 2273489.5/20

All: 1131.996+/-0.179 χ^2/NDF: 5017563.6/43

- sign 1152.394+/-0.254 χ^2/NDF: 2731299.6/22

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

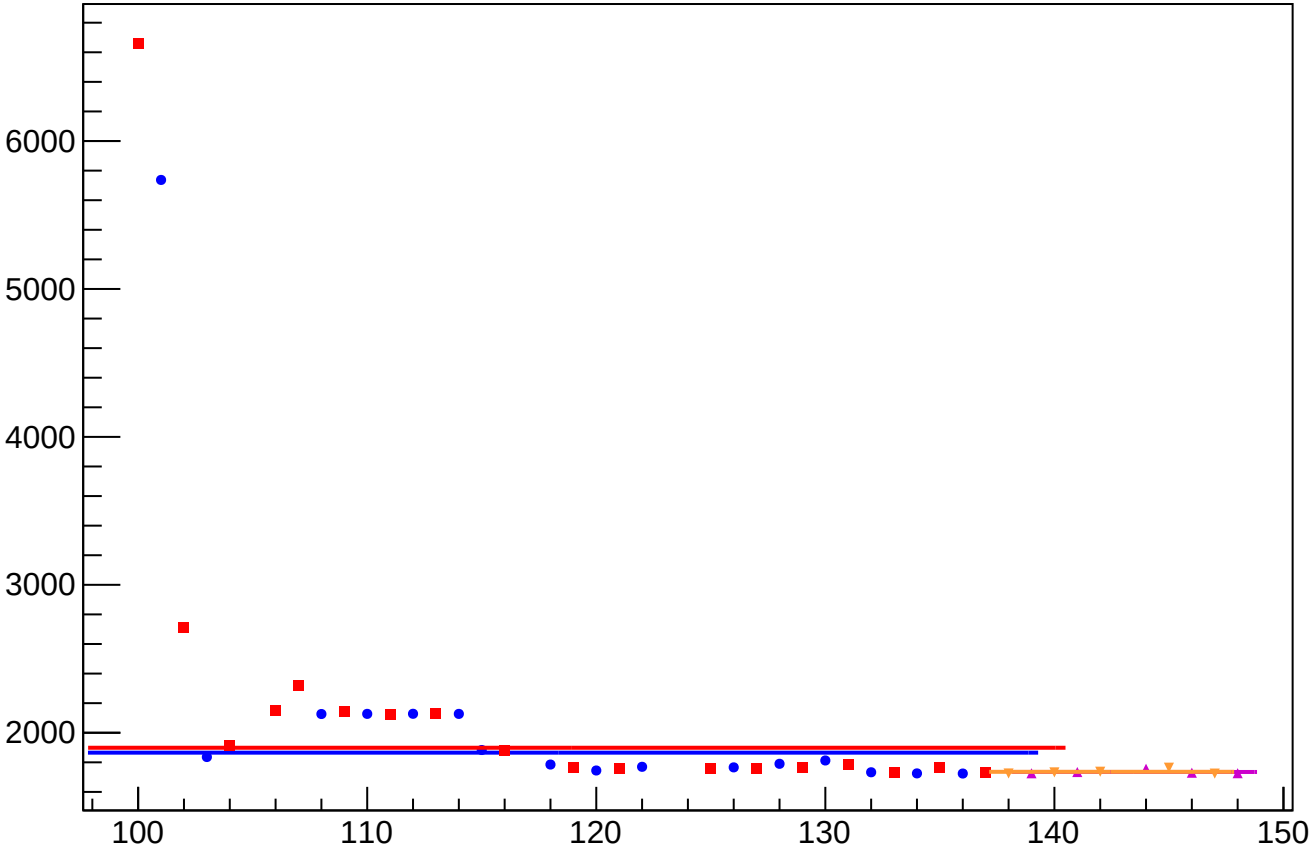
Left In: -1010.708+/-829.364 χ^2/NDF:6.2/4

+ sign -91.768+/-557.871 χ^2/NDF: 20.0/20

All: -417.006+/-388.642 χ^2/NDF: 43.5/43

- sign -723.696+/-541.730 χ^2/NDF: 22.8/22

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

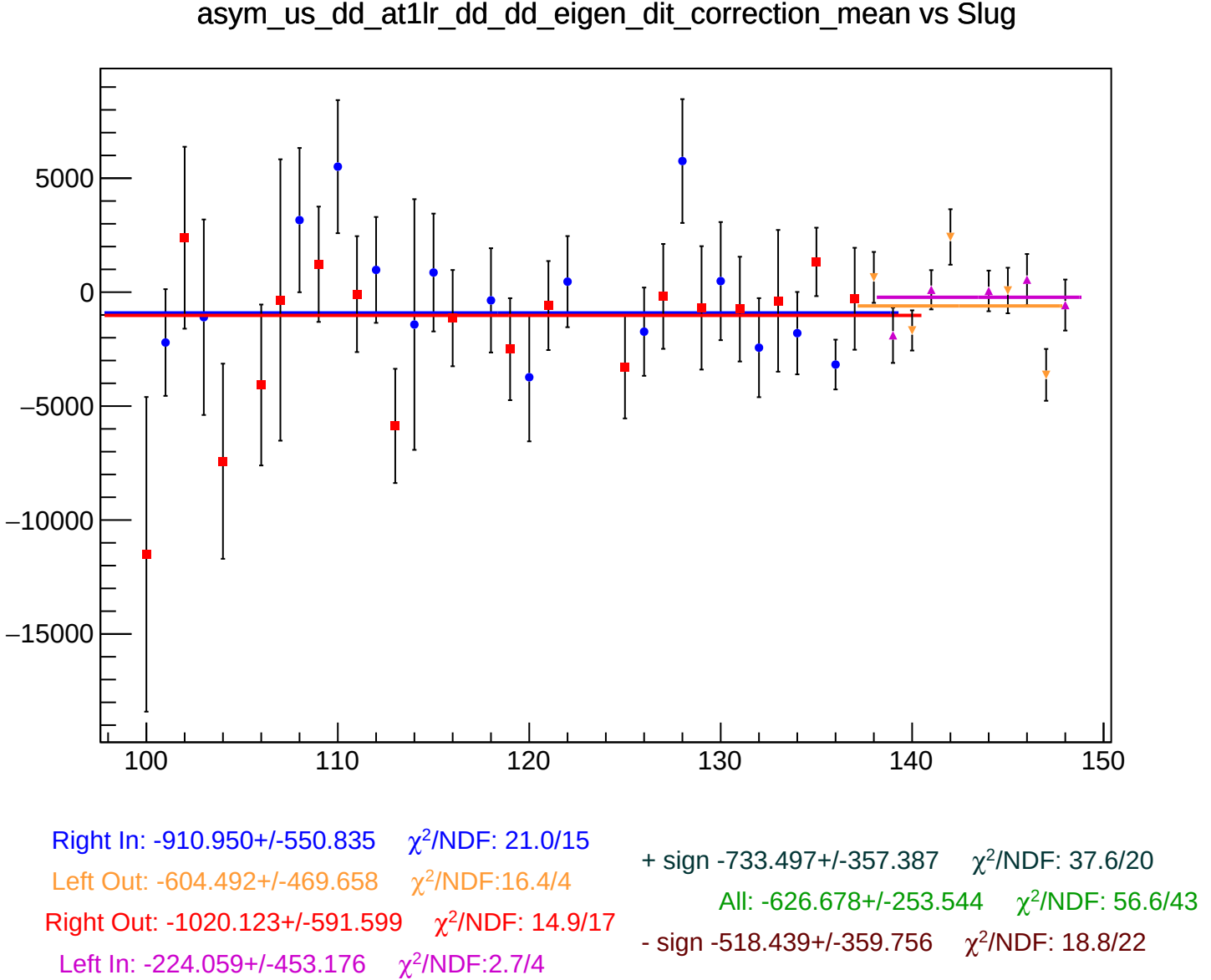
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

+ sign 1815.866+/-0.394 χ^2/NDF: 701037.9/20

All: 1822.478+/-0.275 χ^2/NDF: 1015805.2/43

- sign 1828.713+/-0.383 χ^2/NDF: 314221.4/22



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -604.492+/-469.658 χ^2/NDF:16.4/4

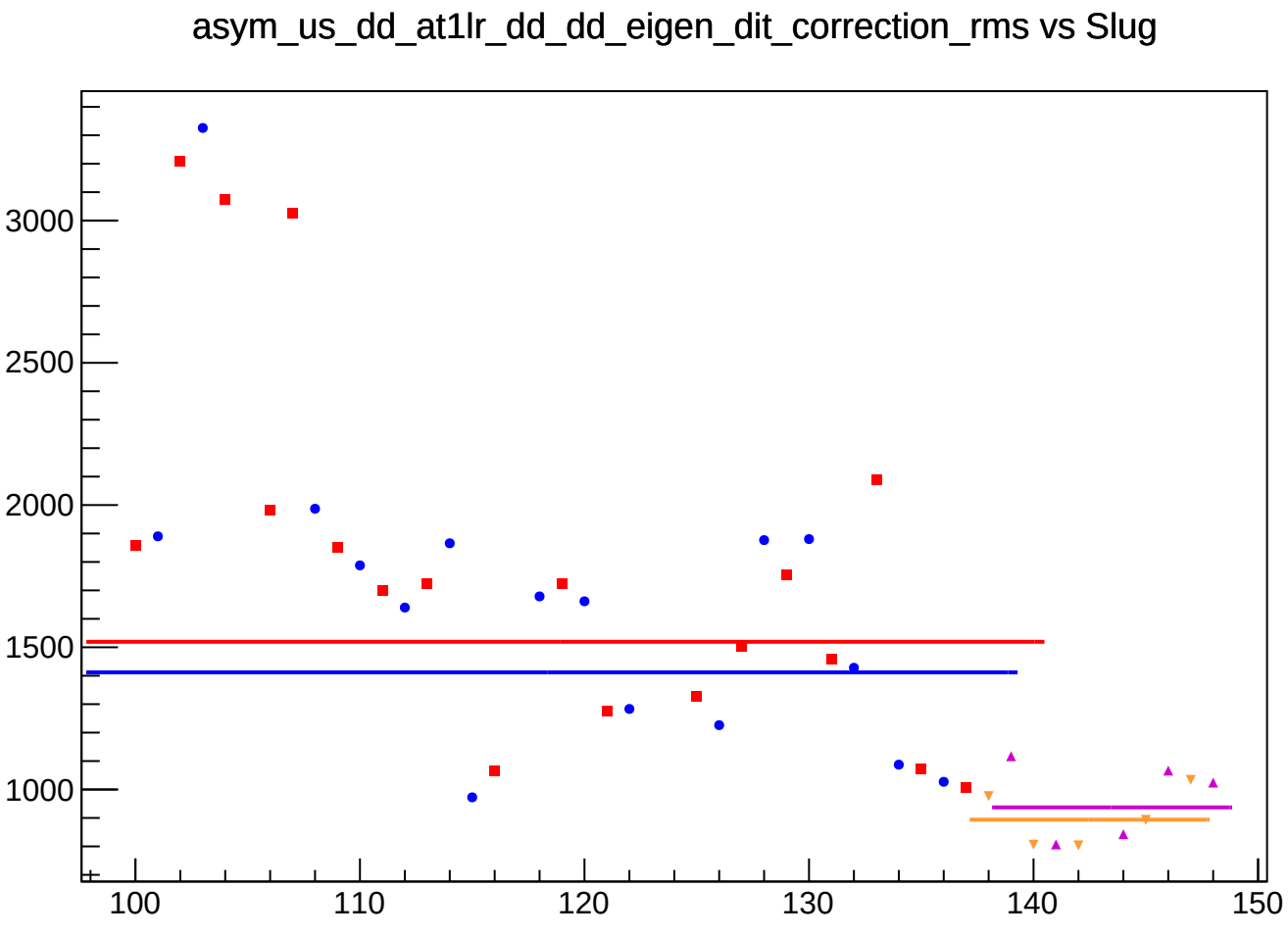
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -224.059+/-453.176 χ^2/NDF:2.7/4

+ sign -733.497+/-357.387 χ^2/NDF: 37.6/20

All: -626.678+/-253.544 χ^2/NDF: 56.6/43

- sign -518.439+/-359.756 χ^2/NDF: 18.8/22



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

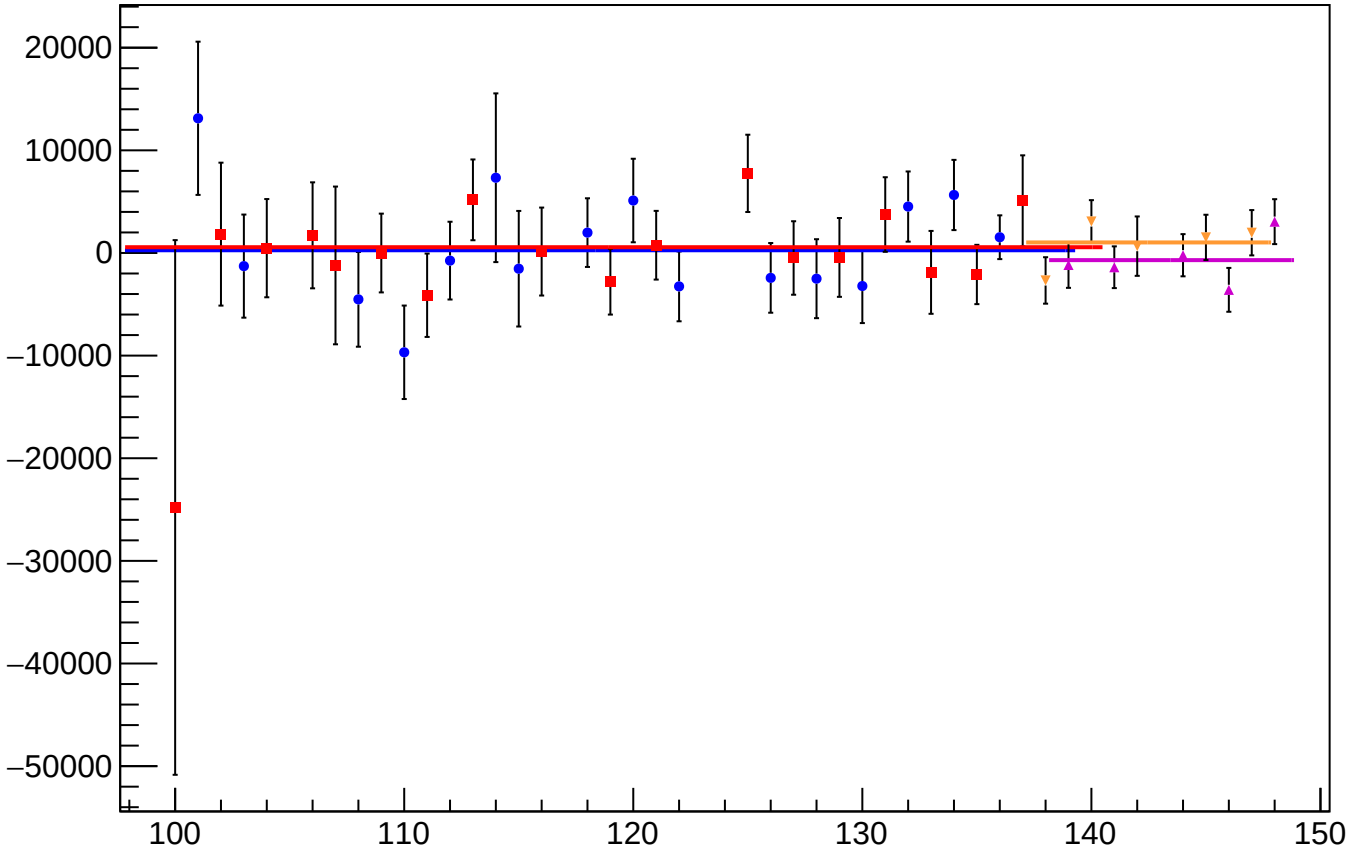
Left In: 937.095+/-0.320 χ^2/NDF:150443.9/4

+ sign 1111.864+/-0.253 χ^2/NDF: 2273491.2/20

All: 1131.994+/-0.179 χ^2/NDF: 5017569.7/43

- sign 1152.392+/-0.254 χ^2/NDF: 2731303.2/22

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

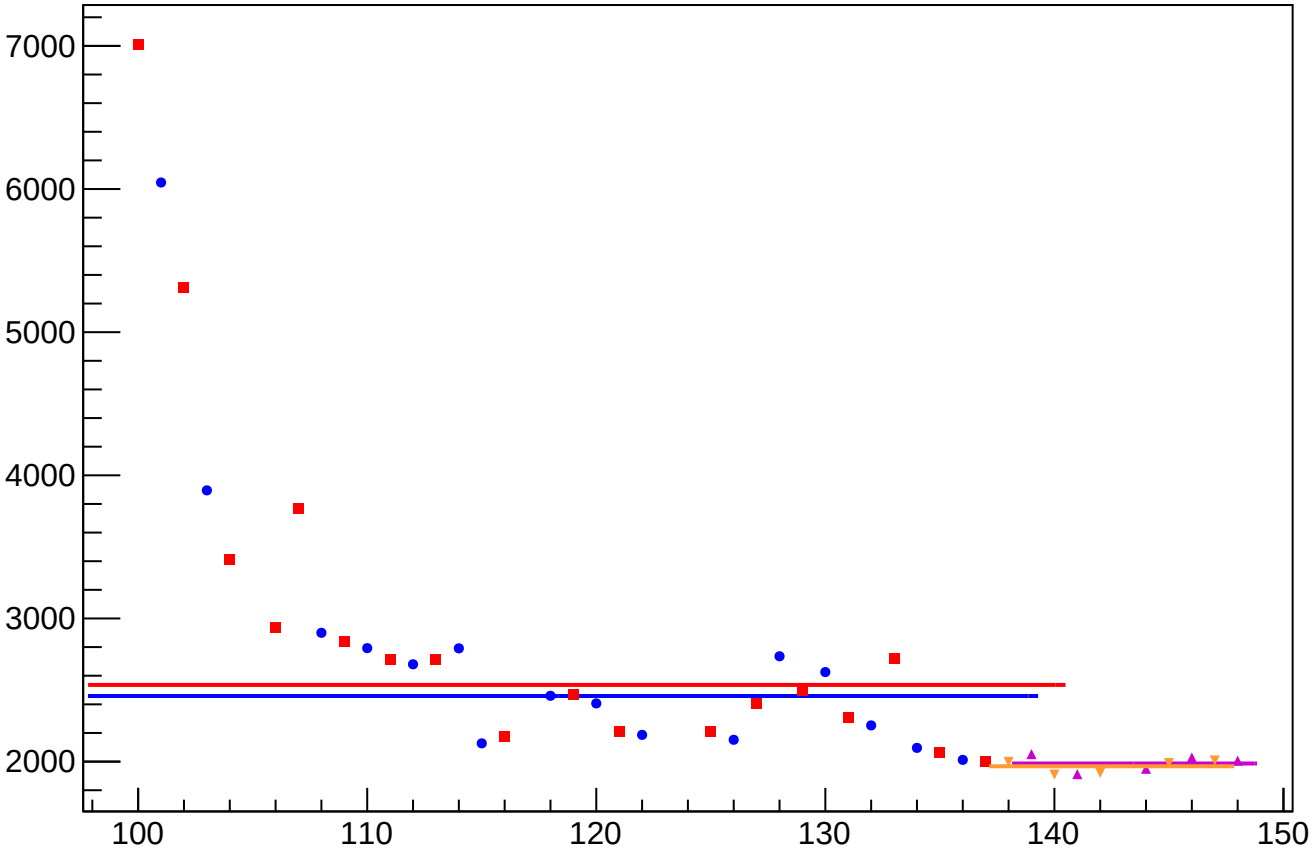
Left In: -697.752+/-950.249 χ^2/NDF:5.0/4

\+ sign 614.009+/-692.831 χ^2/NDF: 23.2/20

All: 260.329+/-483.981 χ^2/NDF: 41.3/43

\- sign -76.746+/-676.371 χ^2/NDF: 17.6/22

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

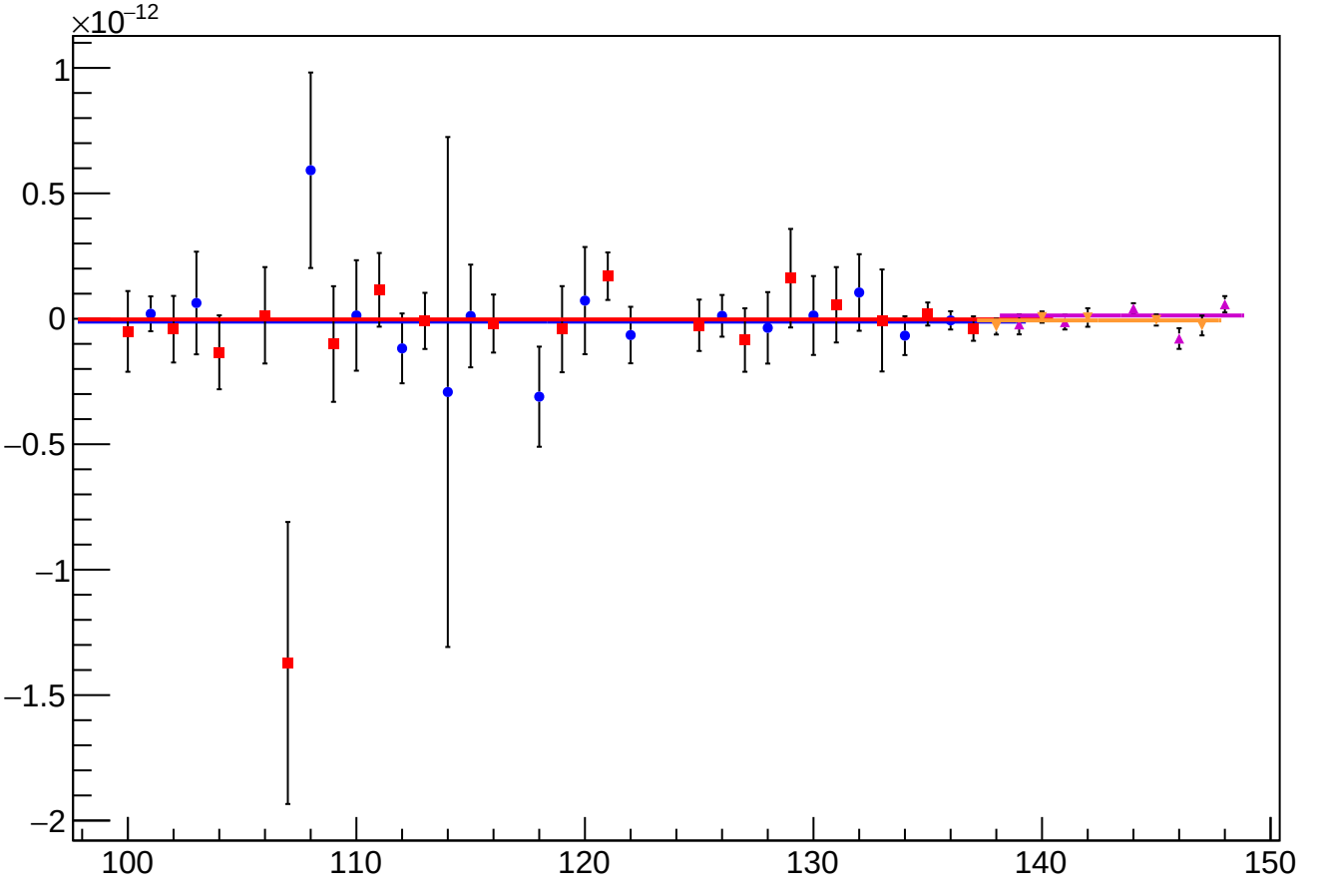
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.726+/-0.672 χ^2/NDF:5965.5/4

+ sign 2232.980+/-0.490 χ^2/NDF: 1085565.2/20

All: 2245.592+/-0.342 χ^2/NDF: 2095589.5/43

- sign 2257.612+/-0.478 χ^2/NDF: 1008729.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

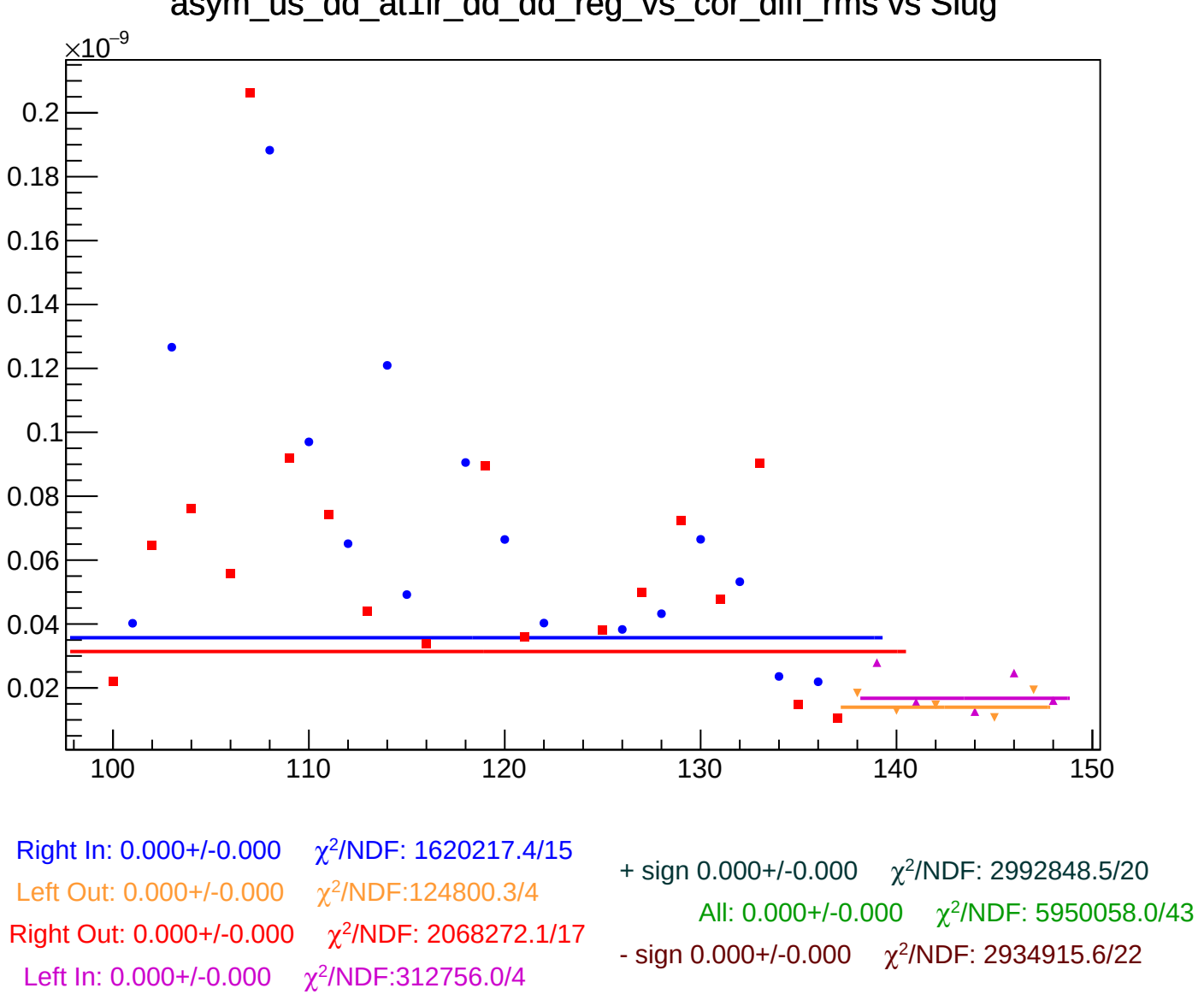
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/4

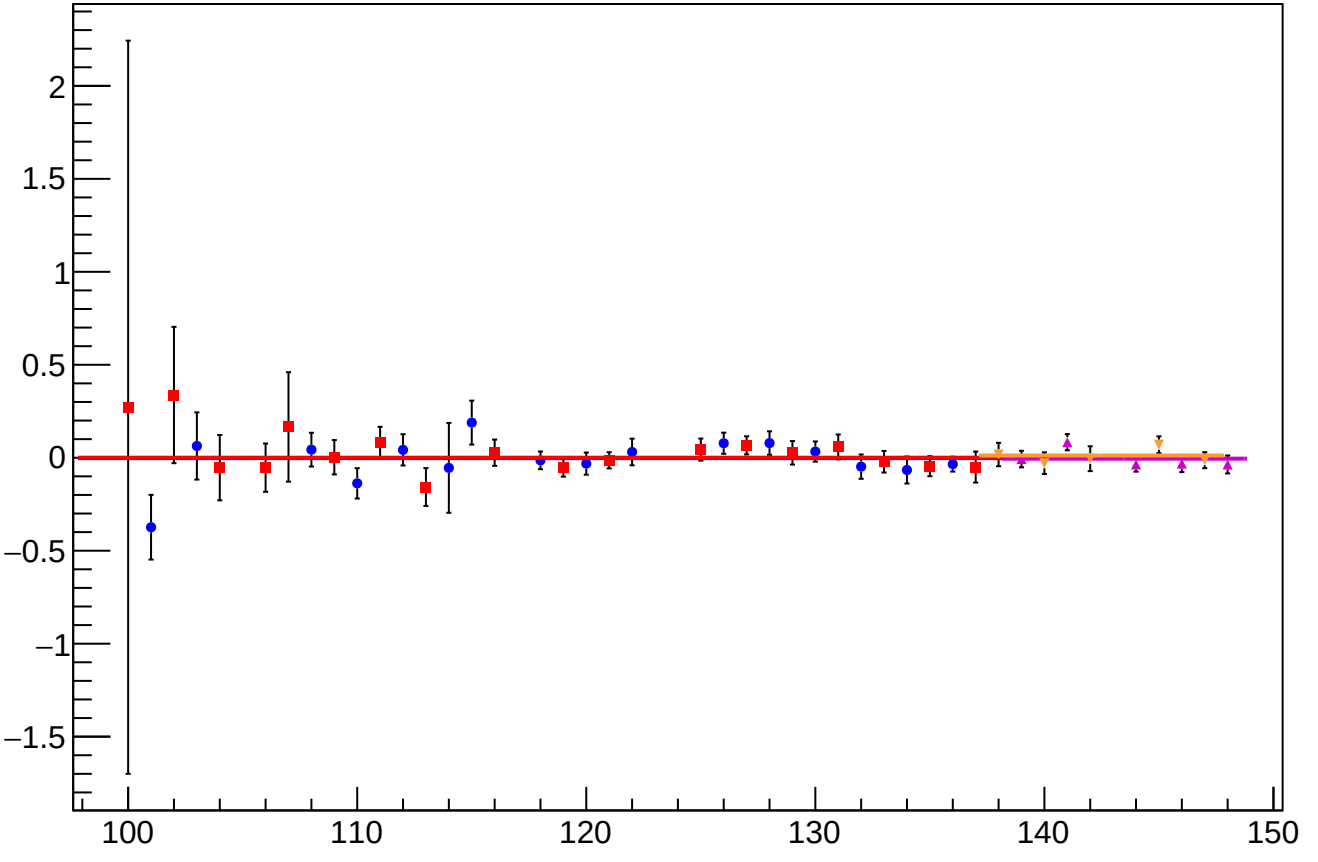
+ sign -0.000+/-0.000 χ^2/NDF: 8.7/20

All: 0.000+/-0.000 χ^2/NDF: 33.5/43

- sign 0.000+/-0.000 χ^2/NDF: 23.7/22


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:124800.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:312756.0/4
+ sign 0.000+/-0.000 χ²/NDF: 2992848.5/20
All: 0.000+/-0.000 χ²/NDF: 5950058.0/43
- sign 0.000+/-0.000 χ²/NDF: 2934915.6/22

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

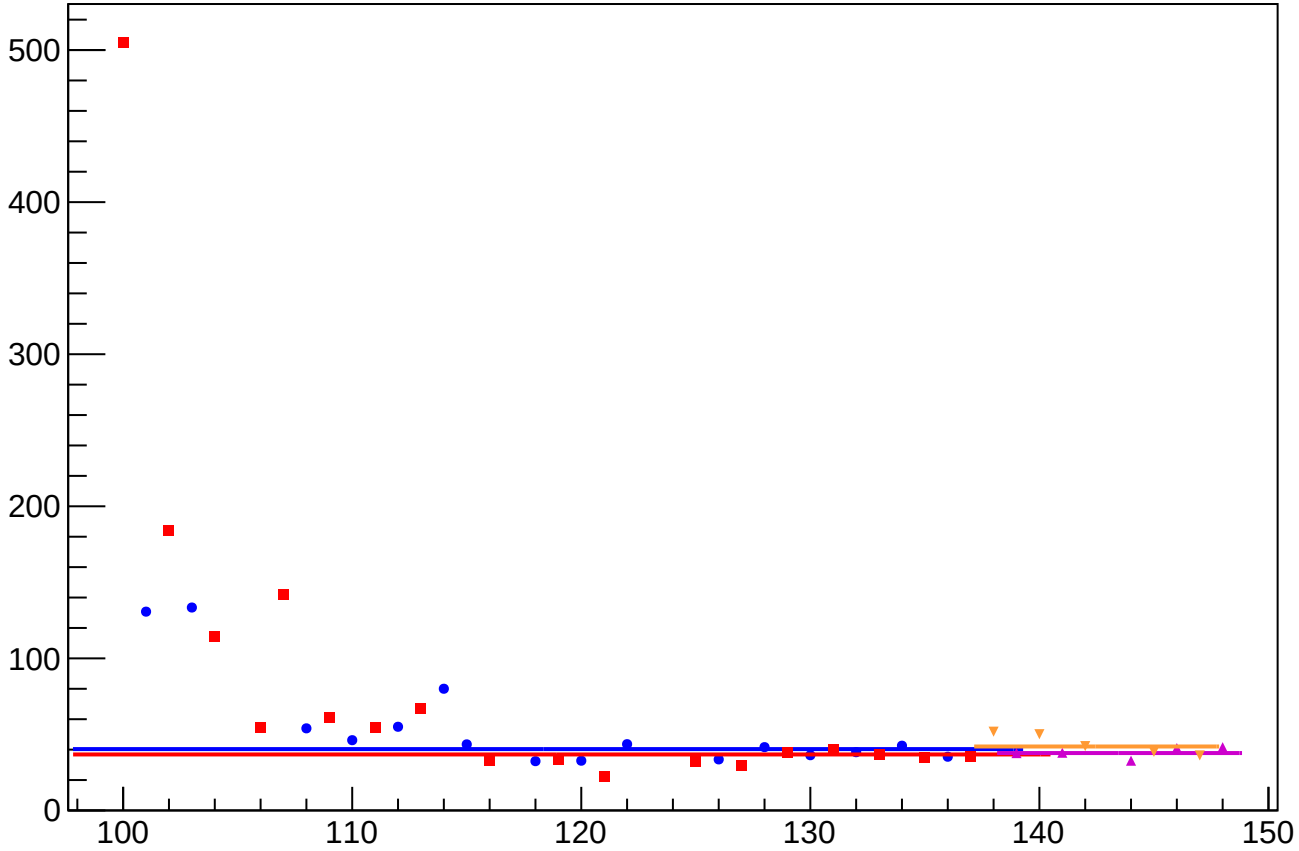
Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.000+/-0.009 χ^2/NDF: 36.5/43

- sign -0.002+/-0.013 χ^2/NDF: 16.5/22

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

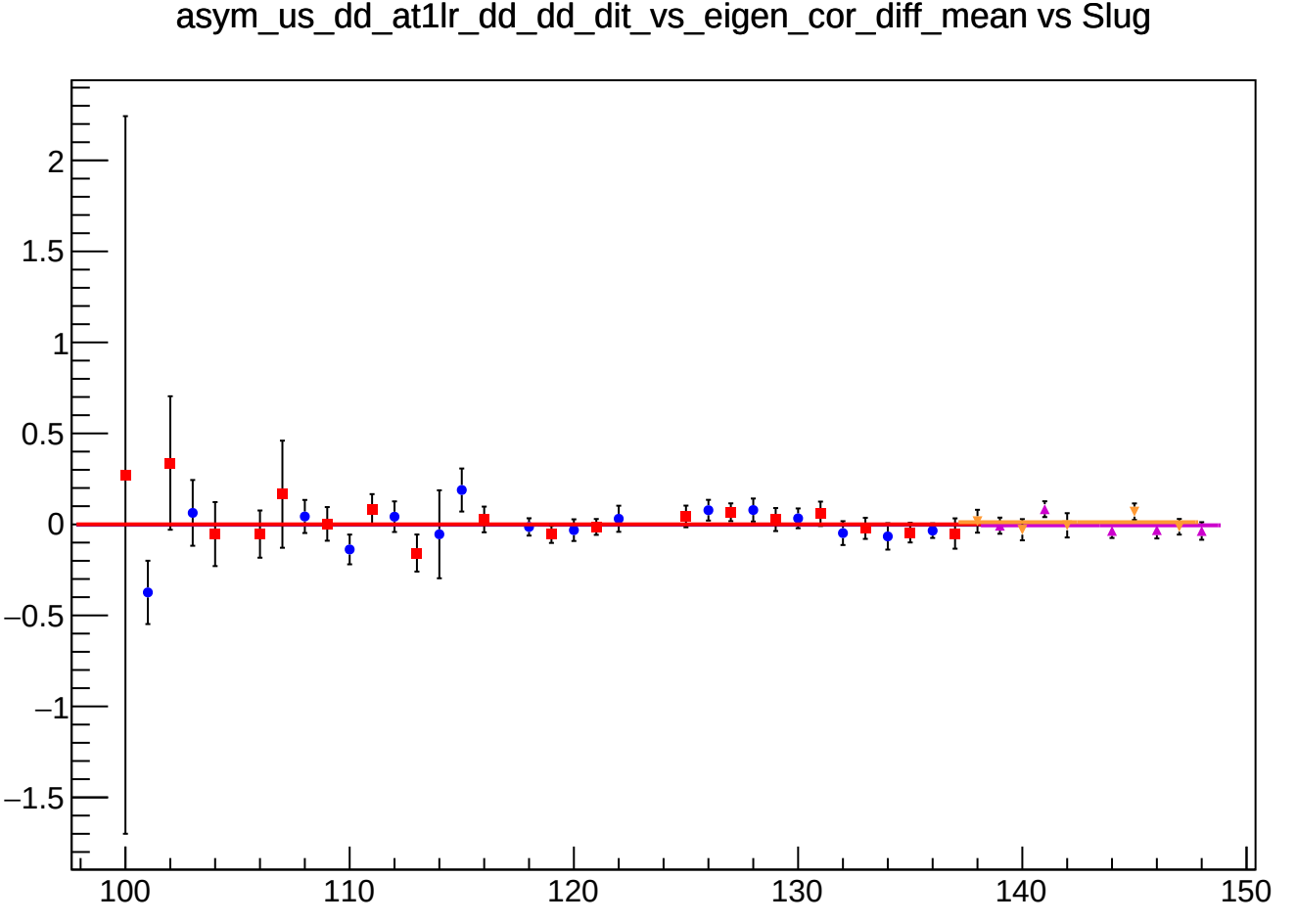
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

+ sign 40.940+/-0.010 χ^2/NDF: 1552694.0/20

All: 38.917+/-0.007 χ^2/NDF: 3527490.8/43

- sign 37.211+/-0.009 χ^2/NDF: 1895918.2/22



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

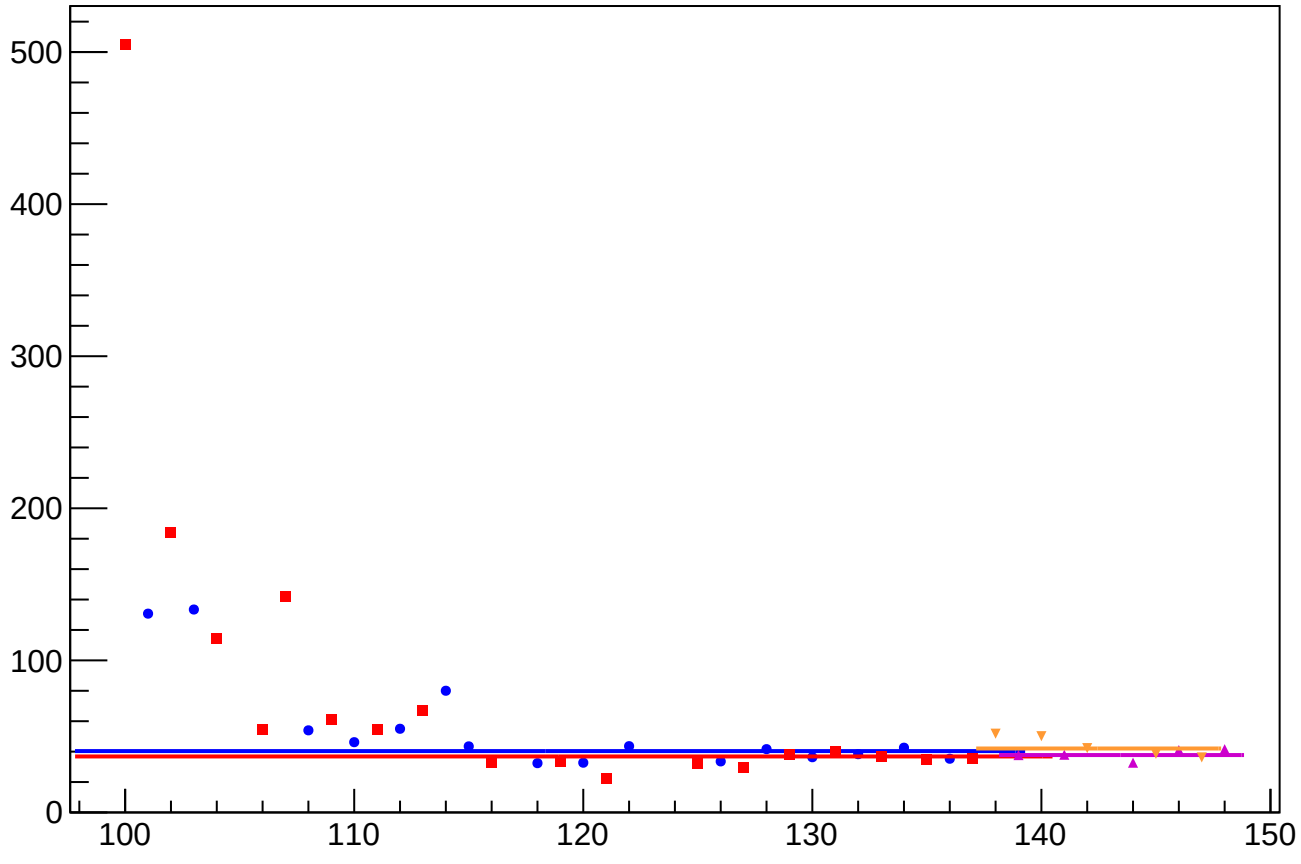
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.000+/-0.009 χ^2/NDF: 36.5/43

- sign -0.002+/-0.013 χ^2/NDF: 16.5/22



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.060+/-0.017 χ^2/NDF:135668.9/4

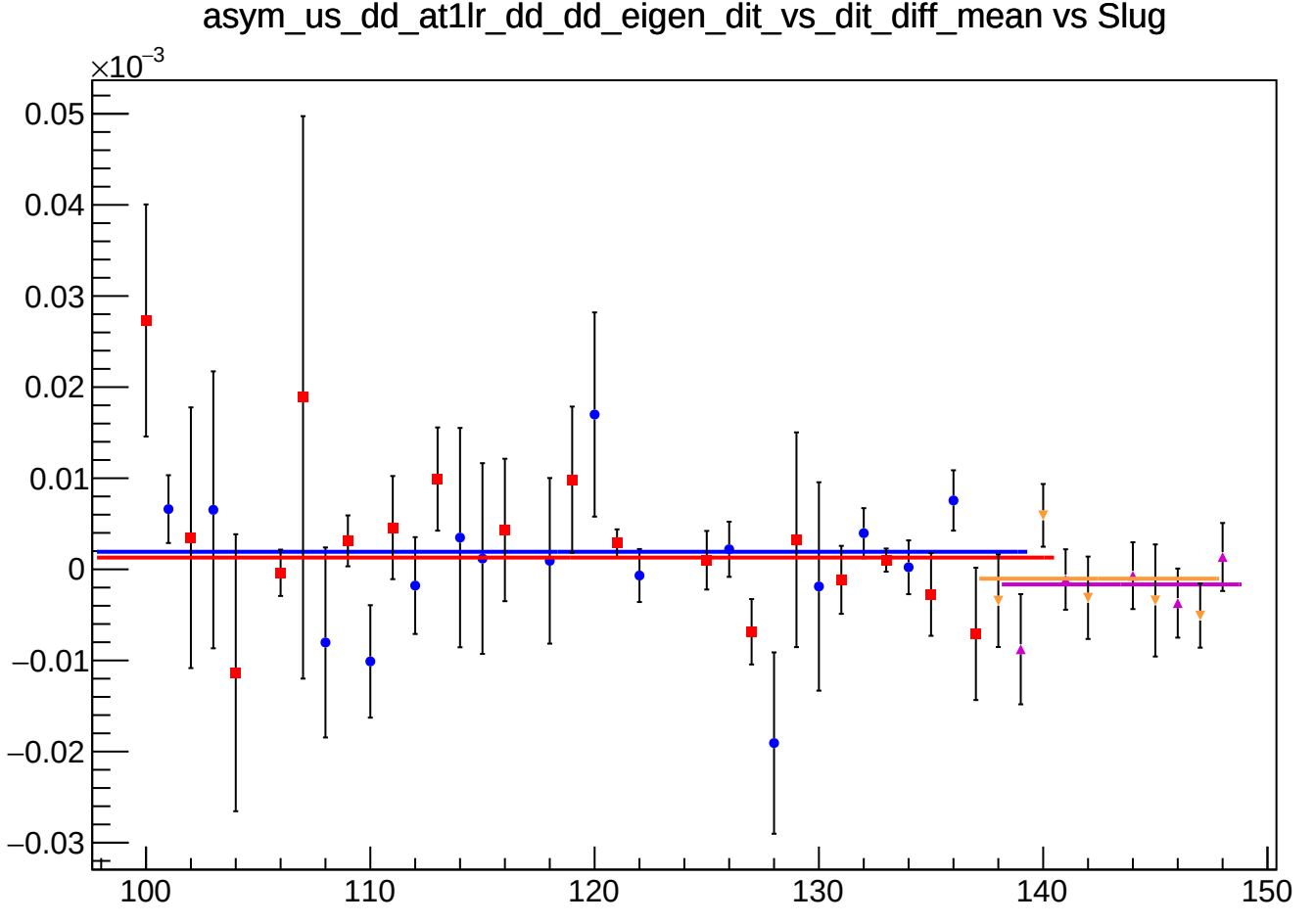
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

+ sign 40.940+/-0.010 χ^2/NDF: 1552694.0/20

All: 38.917+/-0.007 χ^2/NDF: 3527490.8/43

- sign 37.211+/-0.009 χ^2/NDF: 1895918.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/4

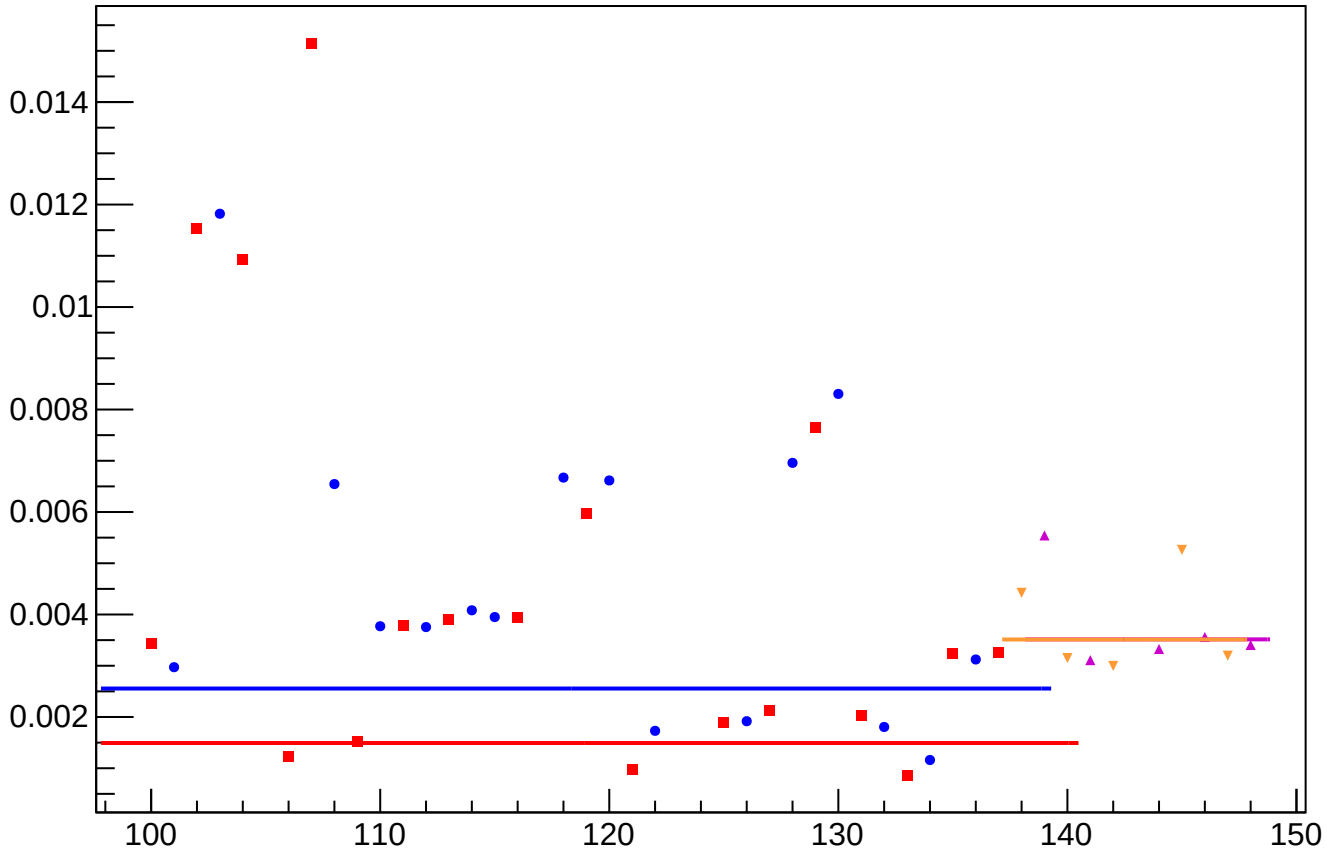
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 49.5/43

- sign 0.000+/-0.000 χ^2/NDF: 23.7/22



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:290146.6/4

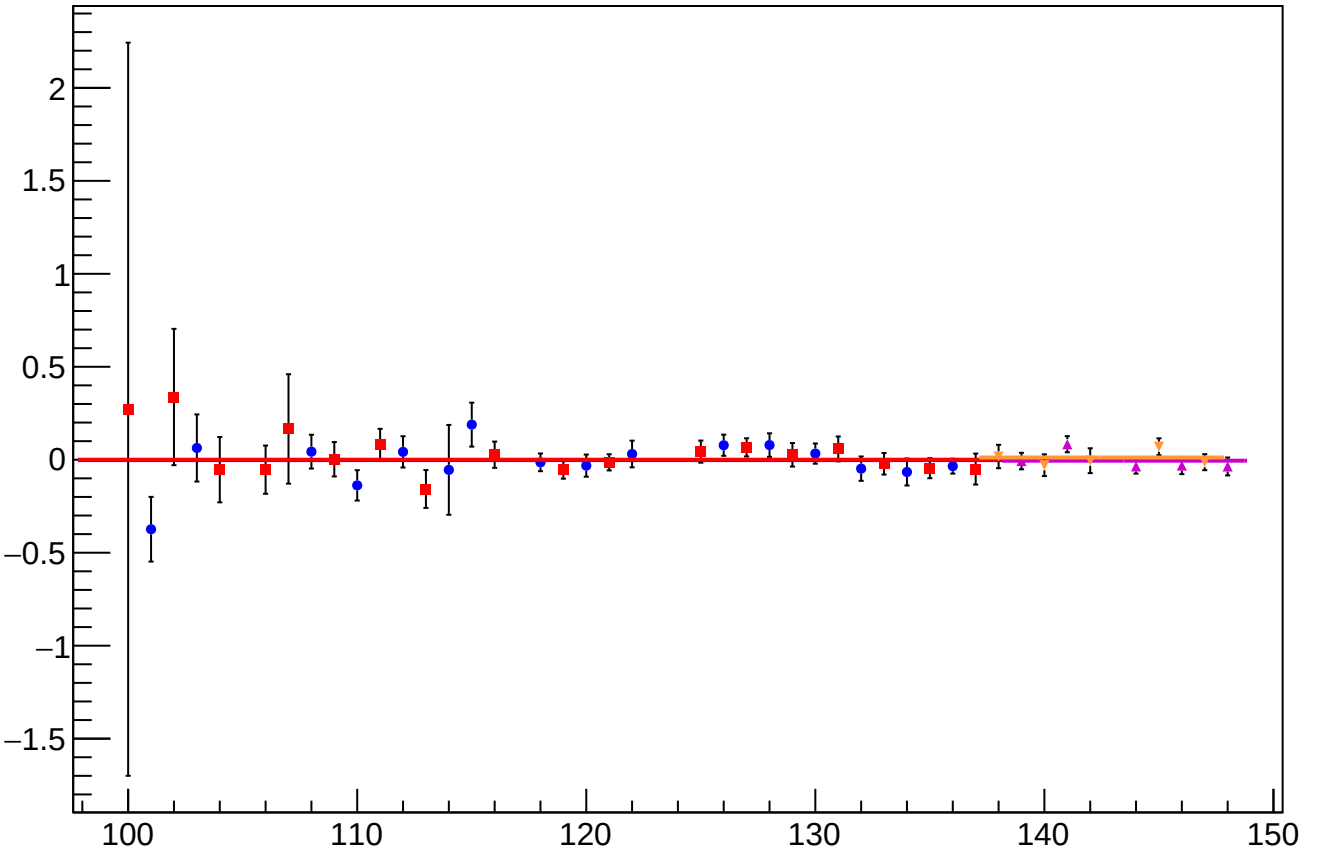
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:262214.4/4

+ sign 0.003+/-0.000 χ^2/NDF: 4447393.7/20

All: 0.002+/-0.000 χ^2/NDF: 13959741.9/43

- sign 0.002+/-0.000 χ^2/NDF: 8123339.6/22



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.012+/-0.024 χ^2/NDF:2.6/4

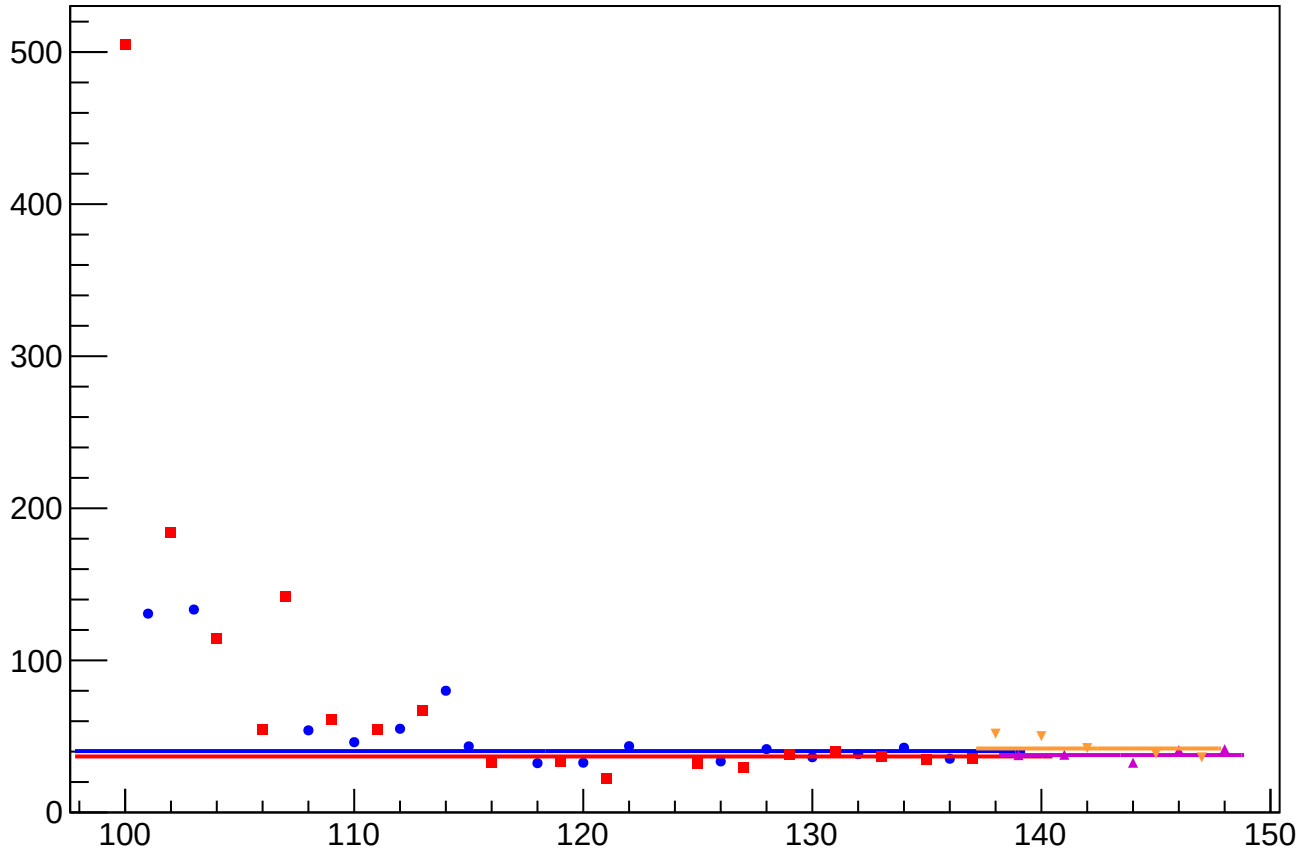
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.000+/-0.009 χ^2/NDF: 36.5/43

- sign -0.002+/-0.013 χ^2/NDF: 16.5/22



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

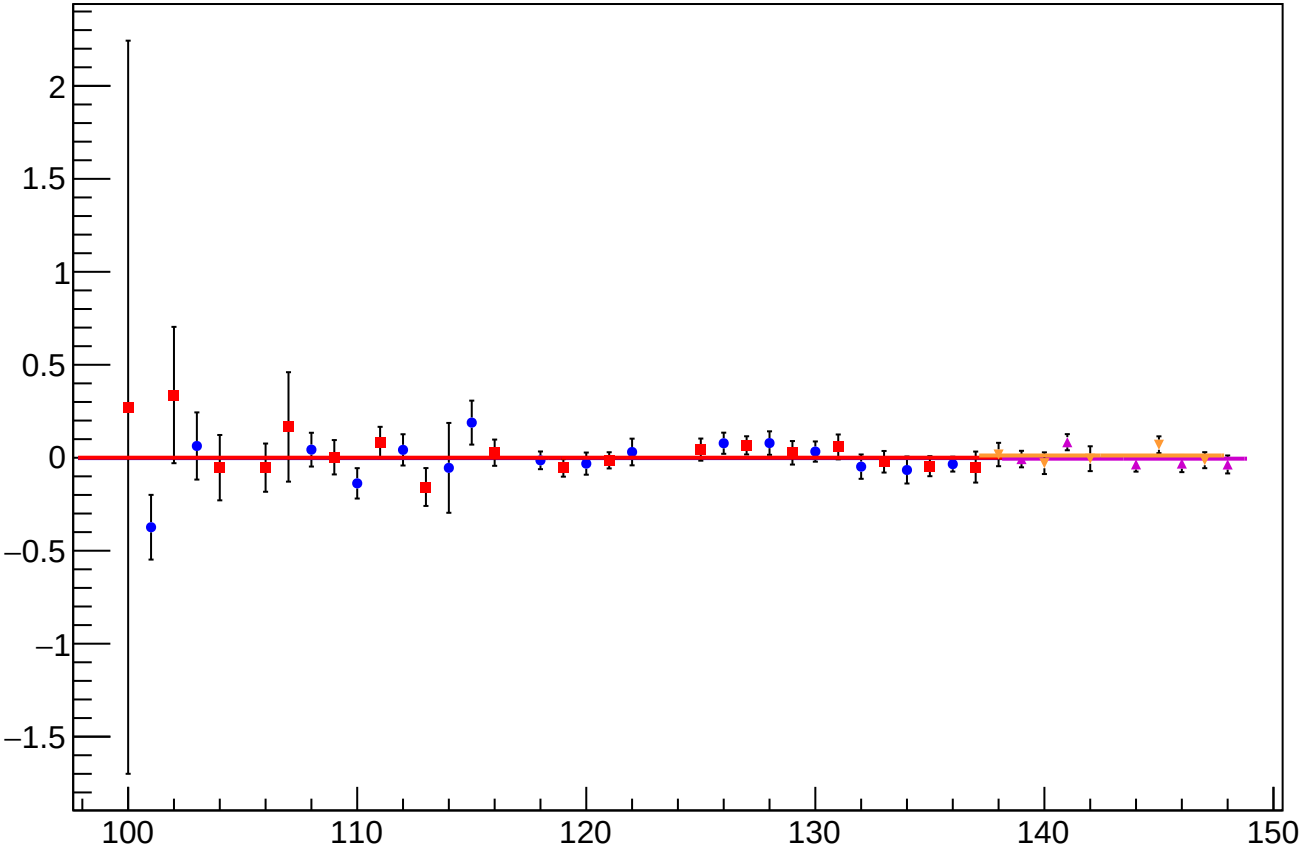
Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

\+ sign 40.940+/-0.010 χ^2/NDF: 1552598.9/20

All: 38.917+/-0.007 χ^2/NDF: 3527421.1/43

\- sign 37.210+/-0.009 χ^2/NDF: 1895909.3/22

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

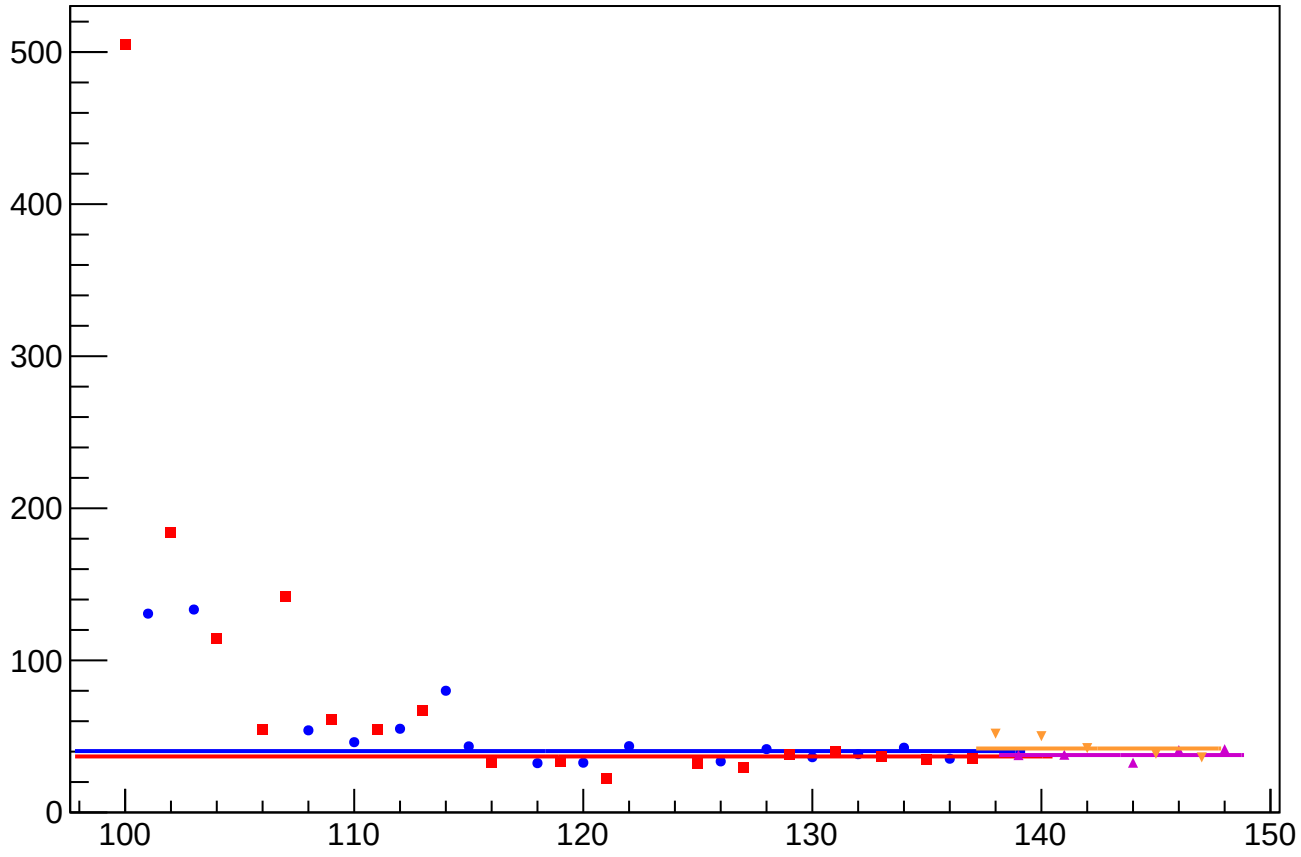
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.014 χ^2/NDF: 19.9/20

All: 0.000+/-0.009 χ^2/NDF: 36.5/43

- sign -0.002+/-0.013 χ^2/NDF: 16.5/22



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.059+/-0.017 χ^2/NDF:135682.6/4

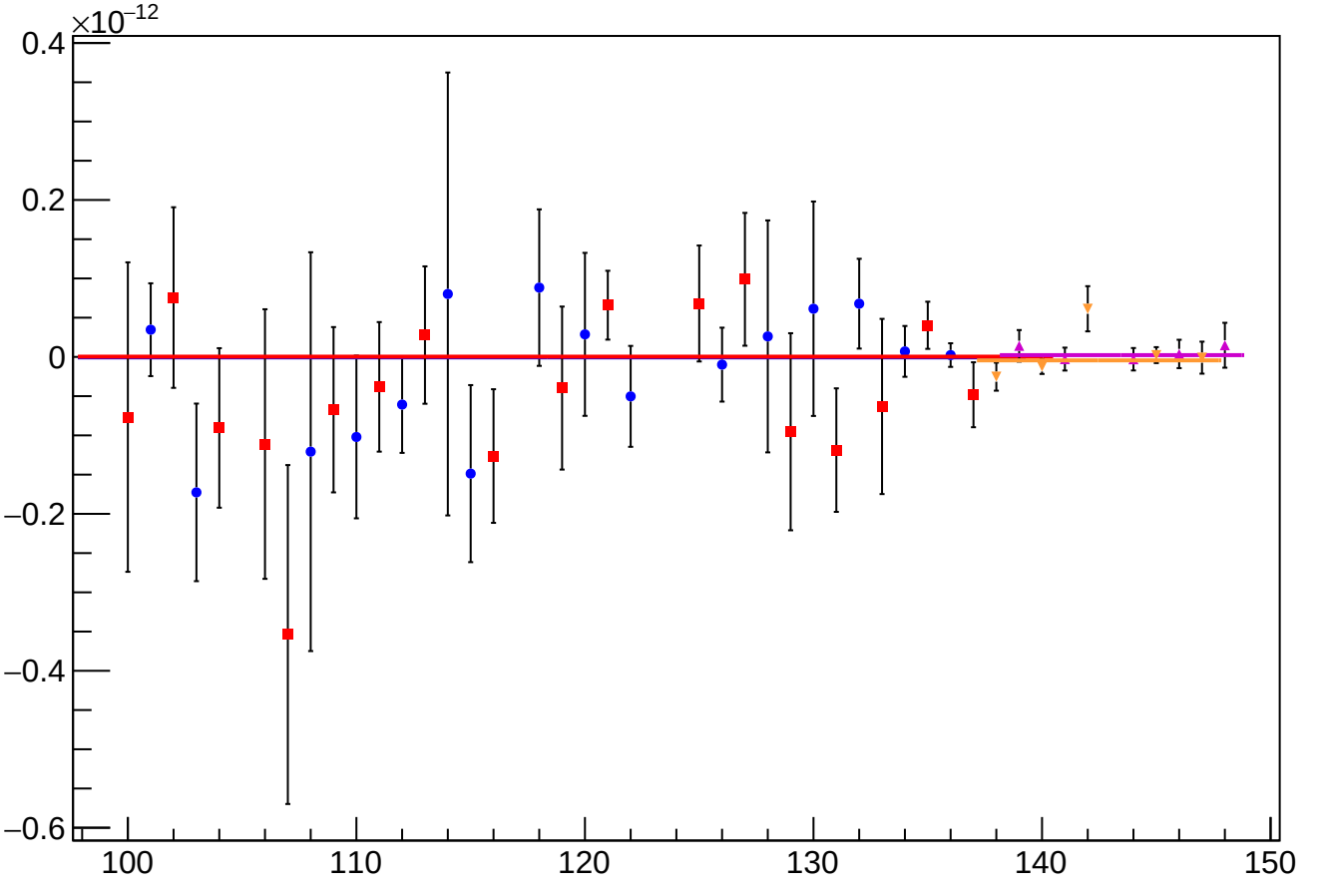
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

+ sign 40.940+/-0.010 χ^2/NDF: 1552598.9/20

All: 38.917+/-0.007 χ^2/NDF: 3527421.1/43

- sign 37.210+/-0.009 χ^2/NDF: 1895909.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/4

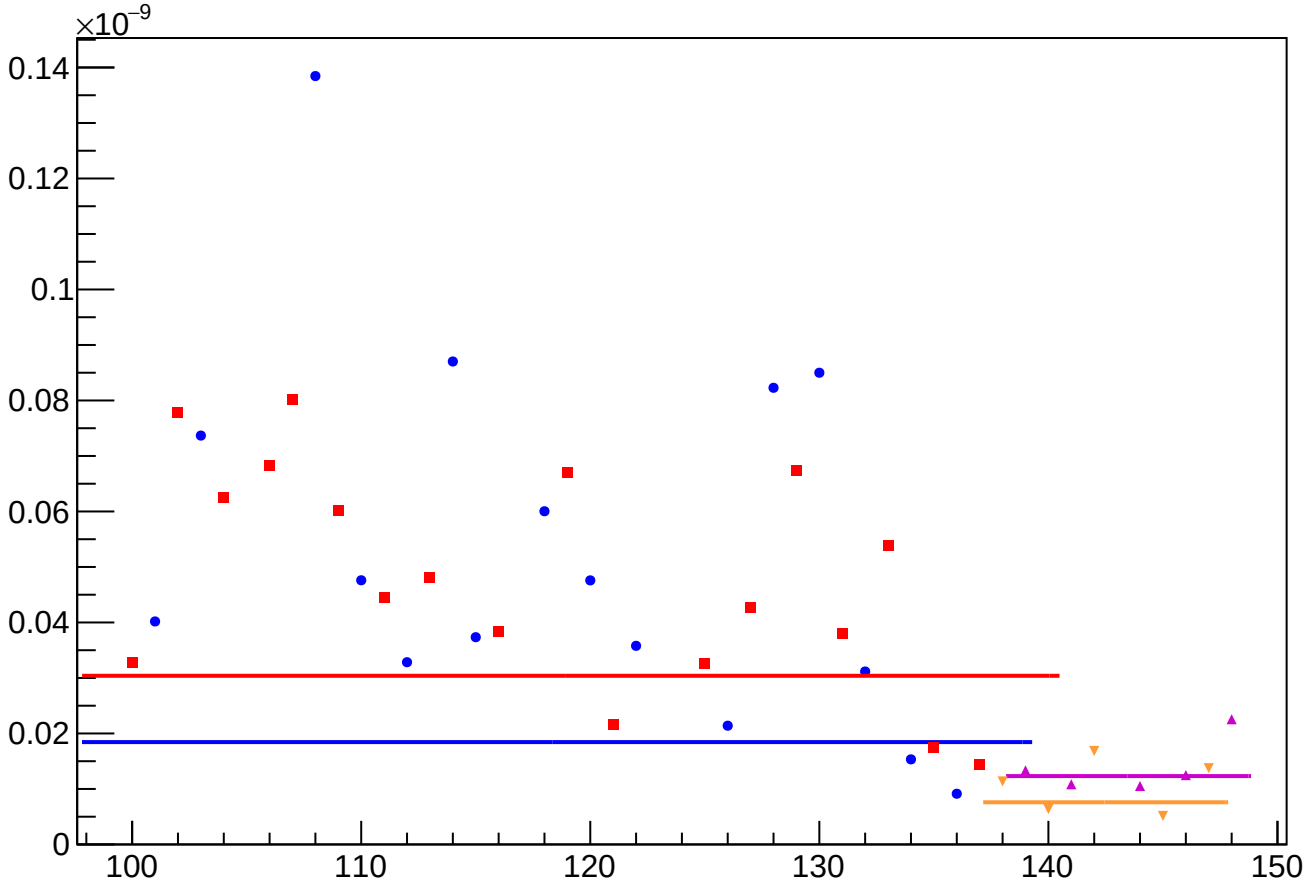
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/20

All: -0.000+/-0.000 χ^2/NDF: 37.2/43

- sign 0.000+/-0.000 χ^2/NDF: 19.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:627281.6/4

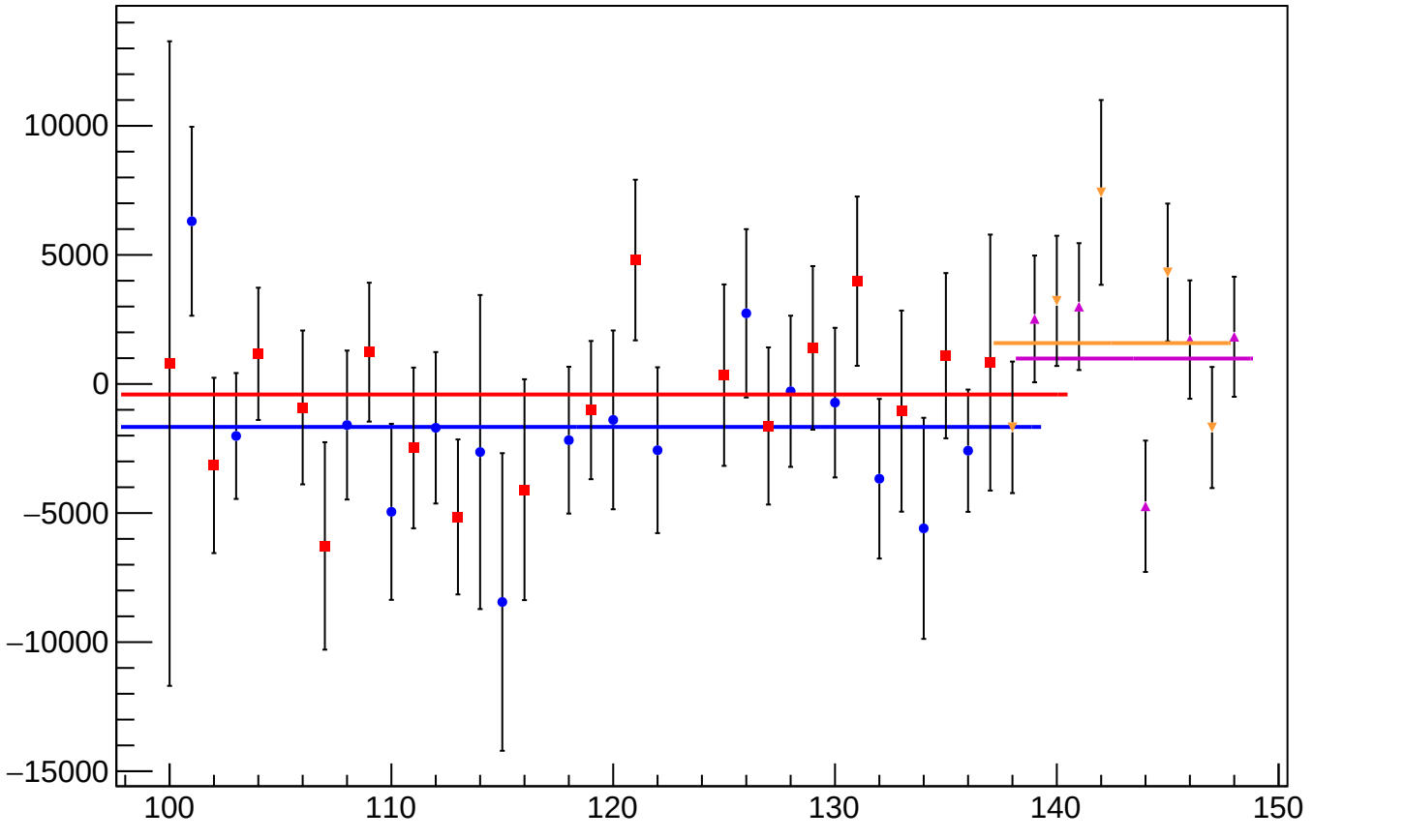
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:313461.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 6035123.1/20

All: 0.000+/-0.000 χ^2/NDF: 11541564.9/43

- sign 0.000+/-0.000 χ^2/NDF: 4667583.5/22



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

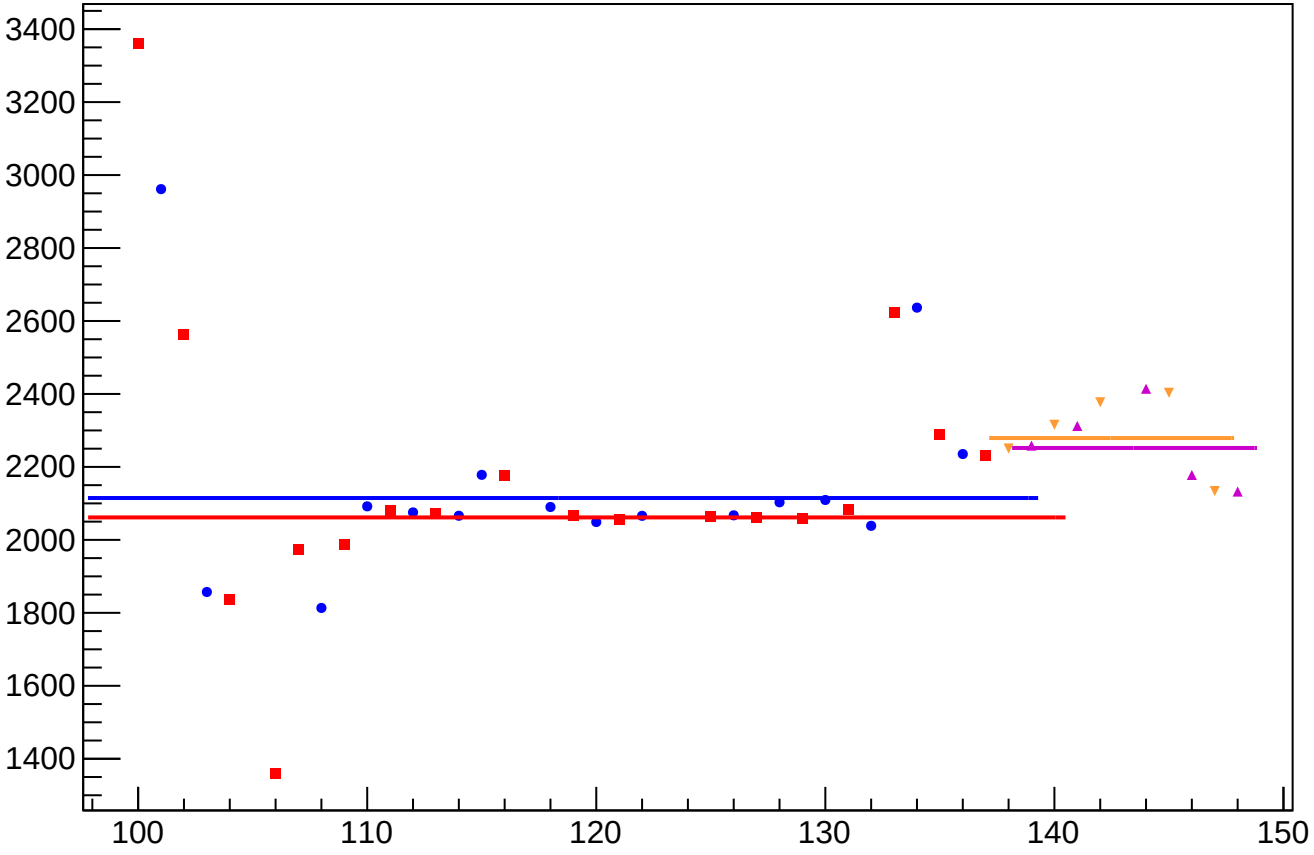
Left In: 985.306+/-1077.721 χ^2/NDF:6.4/4

+ sign -661.285+/-658.637 χ^2/NDF: 23.7/20

All: -279.911+/-455.400 χ^2/NDF: 44.5/43

- sign 69.417+/-630.358 χ^2/NDF: 20.2/22

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

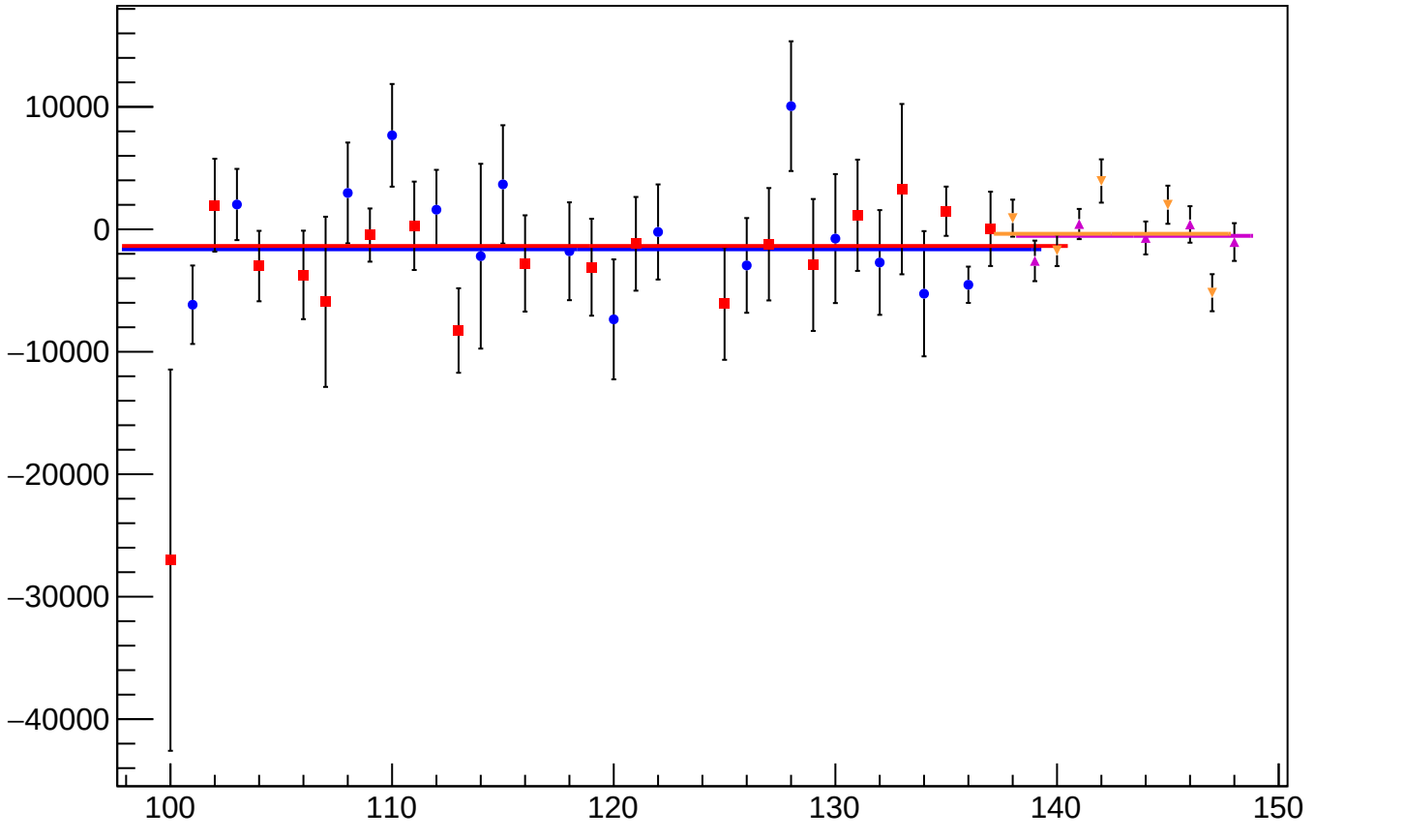
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2165.502+/-0.466 χ^2/NDF: 230669.0/20

All: 2145.244+/-0.322 χ^2/NDF: 541261.8/43

- sign 2126.689+/-0.446 χ^2/NDF: 306967.8/22



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -366.697+/-672.449 χ^2/NDF:20.2/4

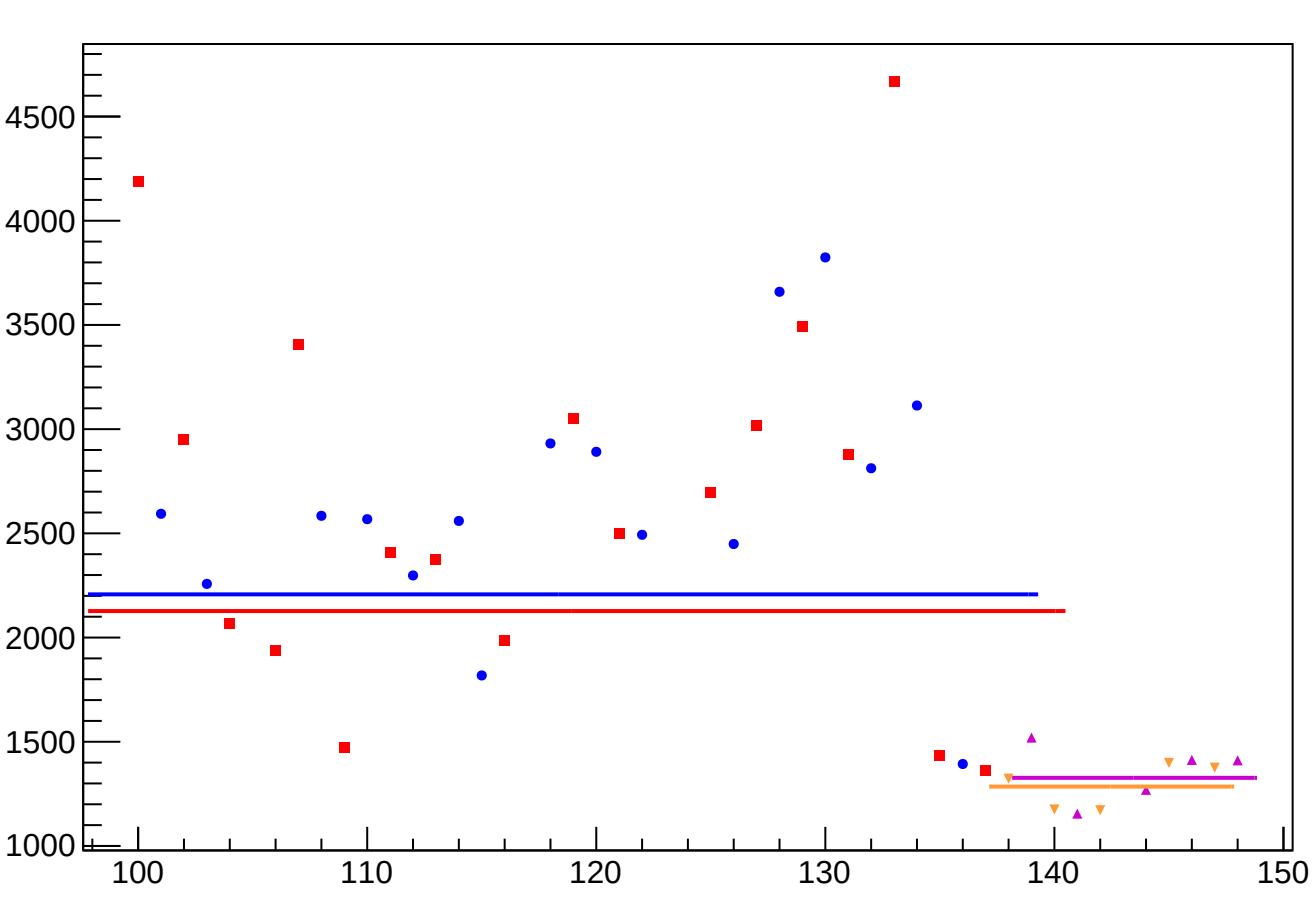
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -533.193+/-639.310 χ^2/NDF:2.7/4

\+ sign -844.530+/-530.298 χ^2/NDF: 44.4/20

All: -840.578+/-367.149 χ^2/NDF: 61.1/43

\- sign -836.939+/-508.821 χ^2/NDF: 16.7/22



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1284.962+/-0.475 χ^2/NDF:41916.8/4

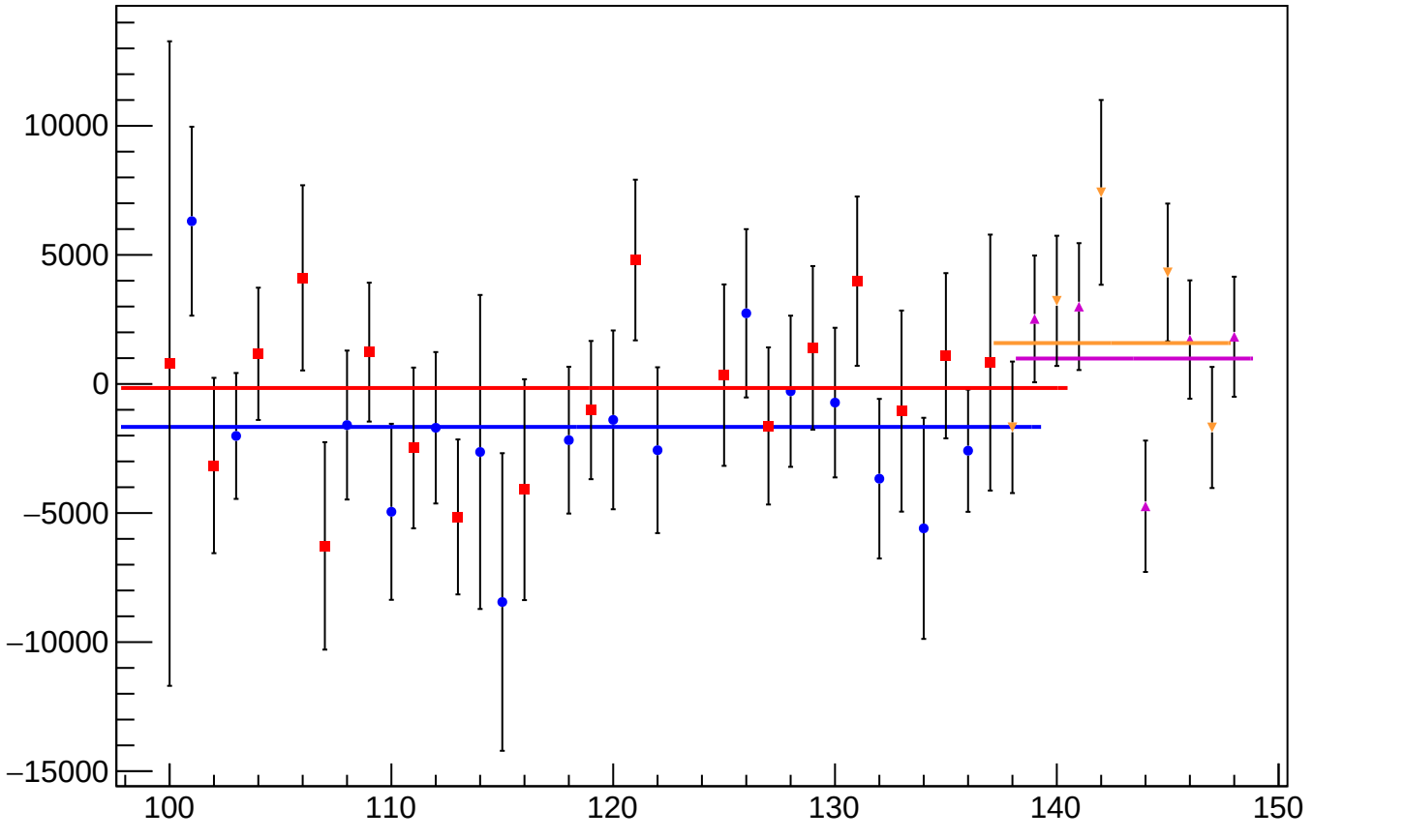
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1326.875+/-0.452 χ^2/NDF:82286.1/4

+ sign 1633.679+/-0.375 χ^2/NDF: 2713687.7/20

All: 1626.686+/-0.260 χ^2/NDF: 5403653.8/43

- sign 1620.248+/-0.360 χ^2/NDF: 2689298.1/22



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

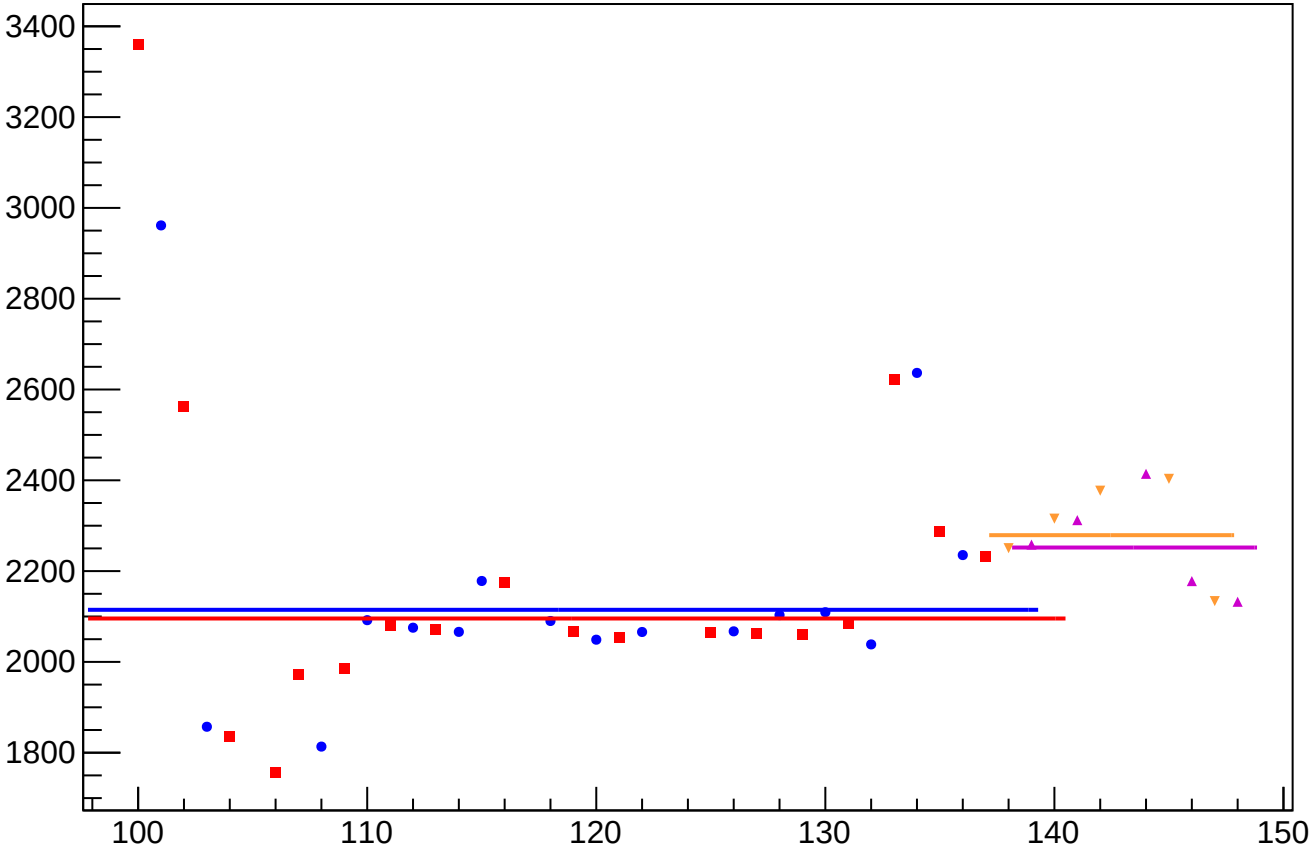
Left In: 985.531+/-1077.721 χ^2/NDF:6.4/4

+ sign -661.153+/-658.637 χ^2/NDF: 23.7/20

All: -193.872+/-457.057 χ^2/NDF: 46.0/43

- sign 240.164+/-634.775 χ^2/NDF: 21.3/22

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

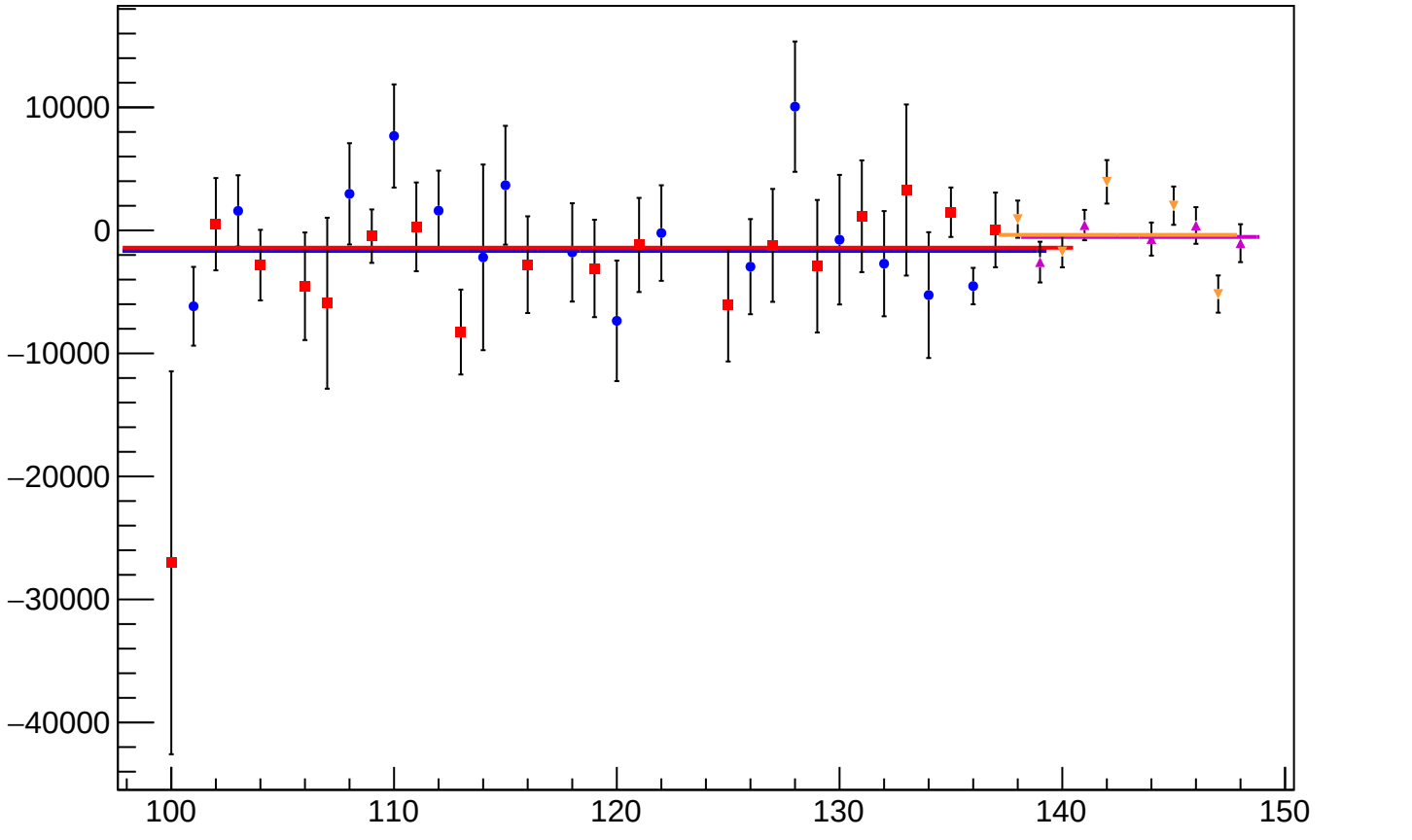
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2165.502+/-0.466 χ^2/NDF: 230669.4/20

All: 2157.379+/-0.323 χ^2/NDF: 424826.4/43

- sign 2149.834+/-0.449 χ^2/NDF: 193570.2/22



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -366.747+/-672.460 χ^2/NDF:20.2/4

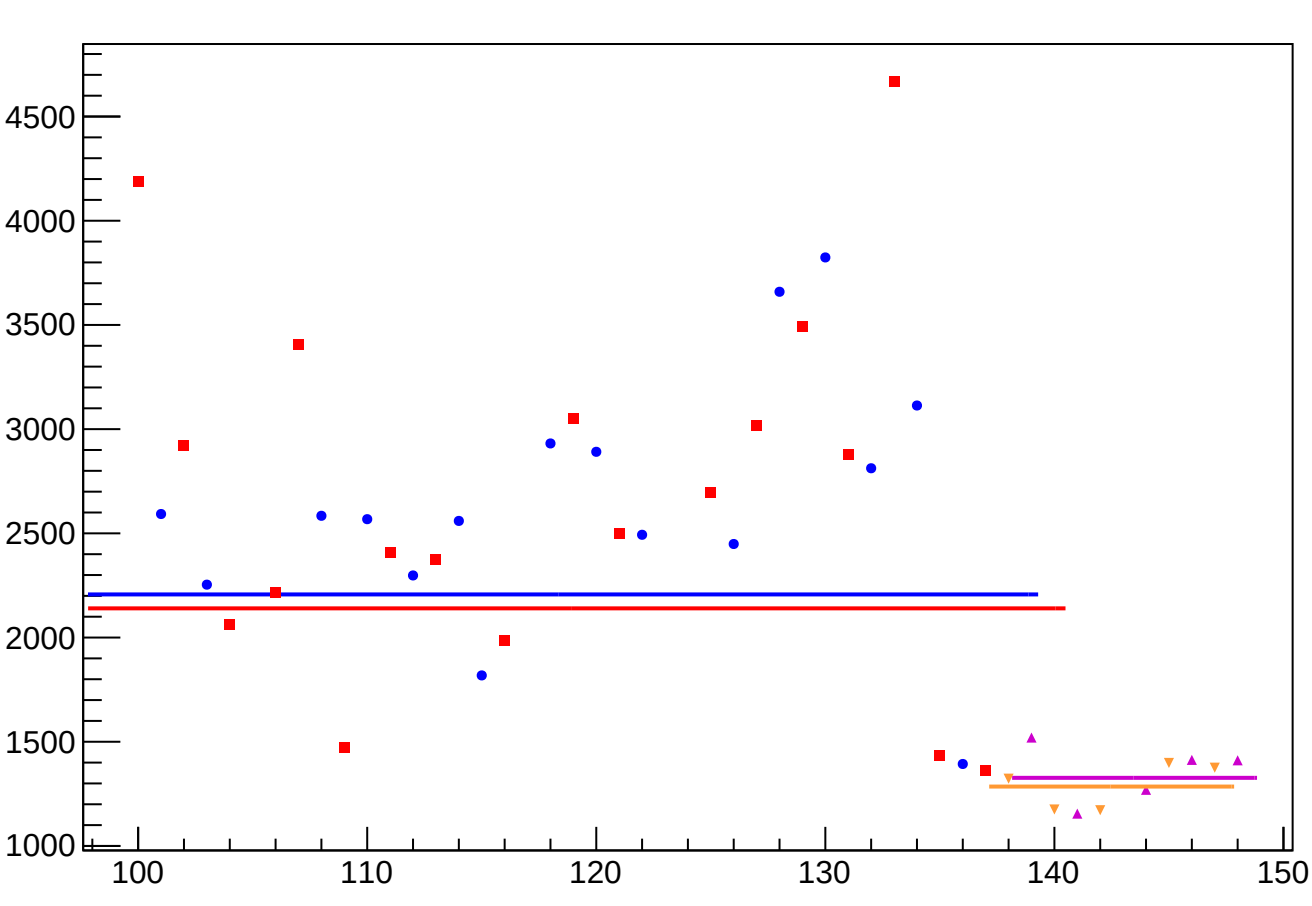
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -533.119+/-639.306 χ^2/NDF:2.7/4

+ sign -859.148+/-530.236 χ^2/NDF: 44.1/20

All: -854.713+/-367.677 χ^2/NDF: 60.4/43

- sign -850.605+/-510.285 χ^2/NDF: 16.3/22



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

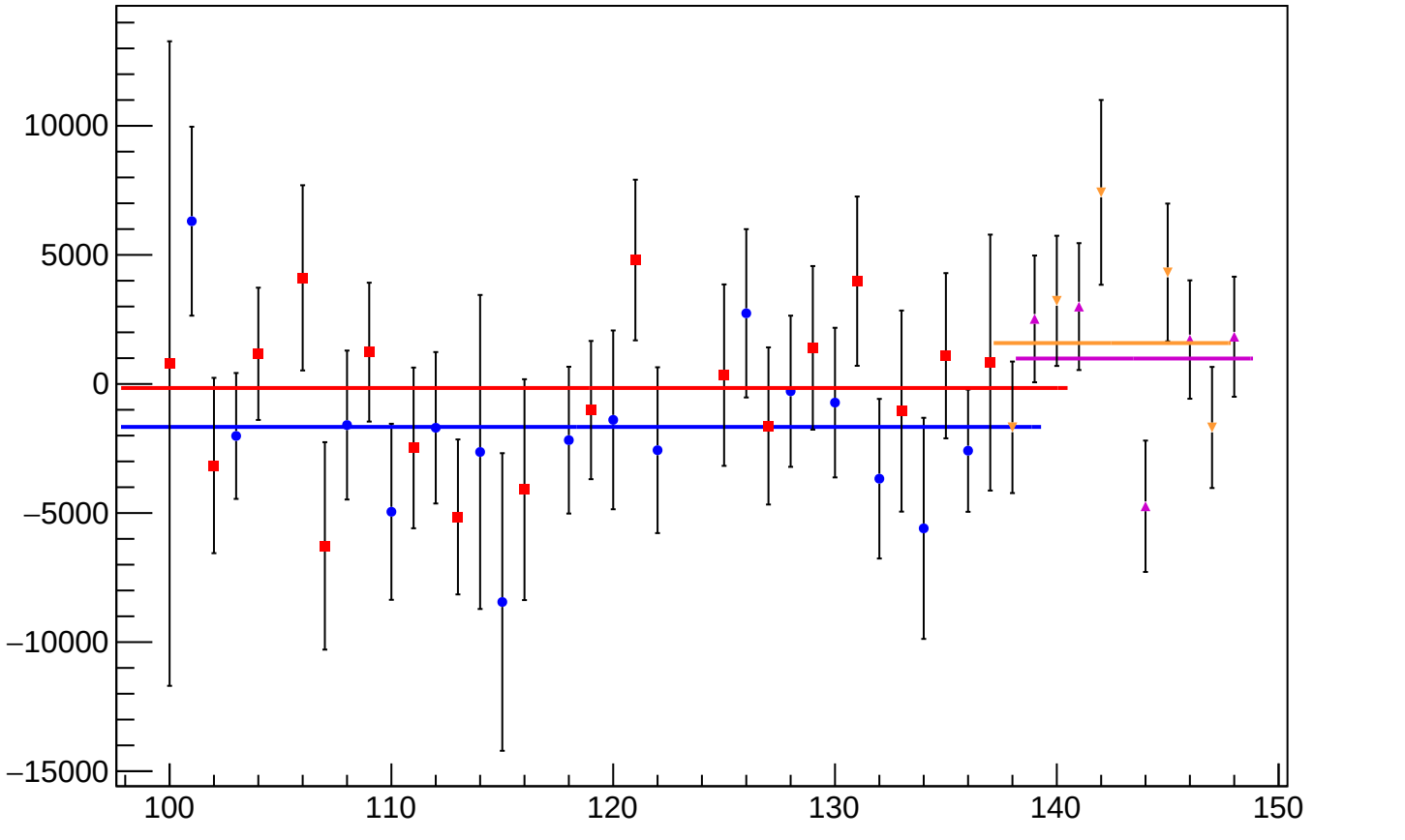
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

+ sign 1633.721+/-0.375 χ^2/NDF: 2712899.6/20

All: 1627.623+/-0.260 χ^2/NDF: 5418408.1/43

- sign 1621.975+/-0.361 χ^2/NDF: 2704998.9/22



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

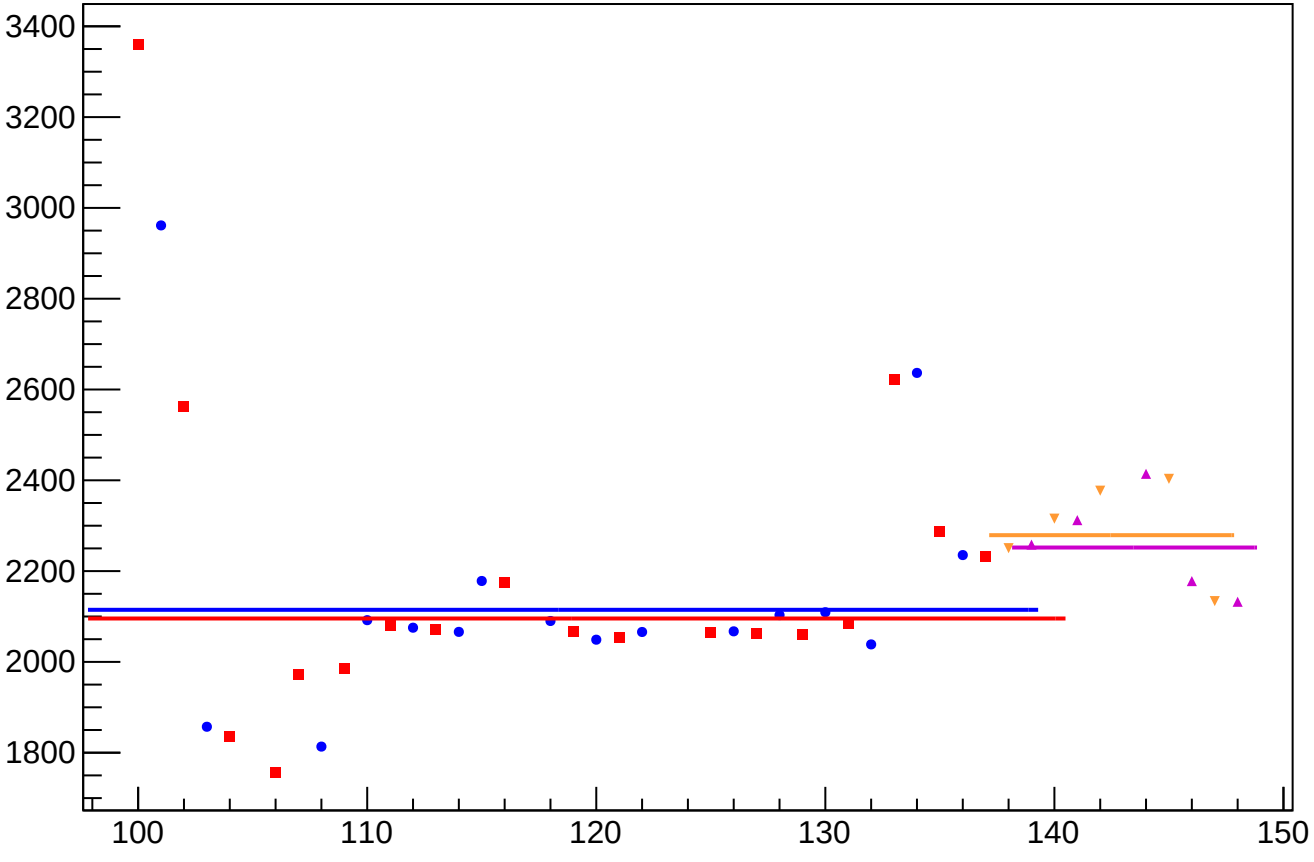
Left In: 985.531+/-1077.721 χ^2/NDF:6.4/4

+ sign -661.153+/-658.637 χ^2/NDF: 23.7/20

All: -193.872+/-457.057 χ^2/NDF: 46.0/43

- sign 240.164+/-634.775 χ^2/NDF: 21.3/22

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

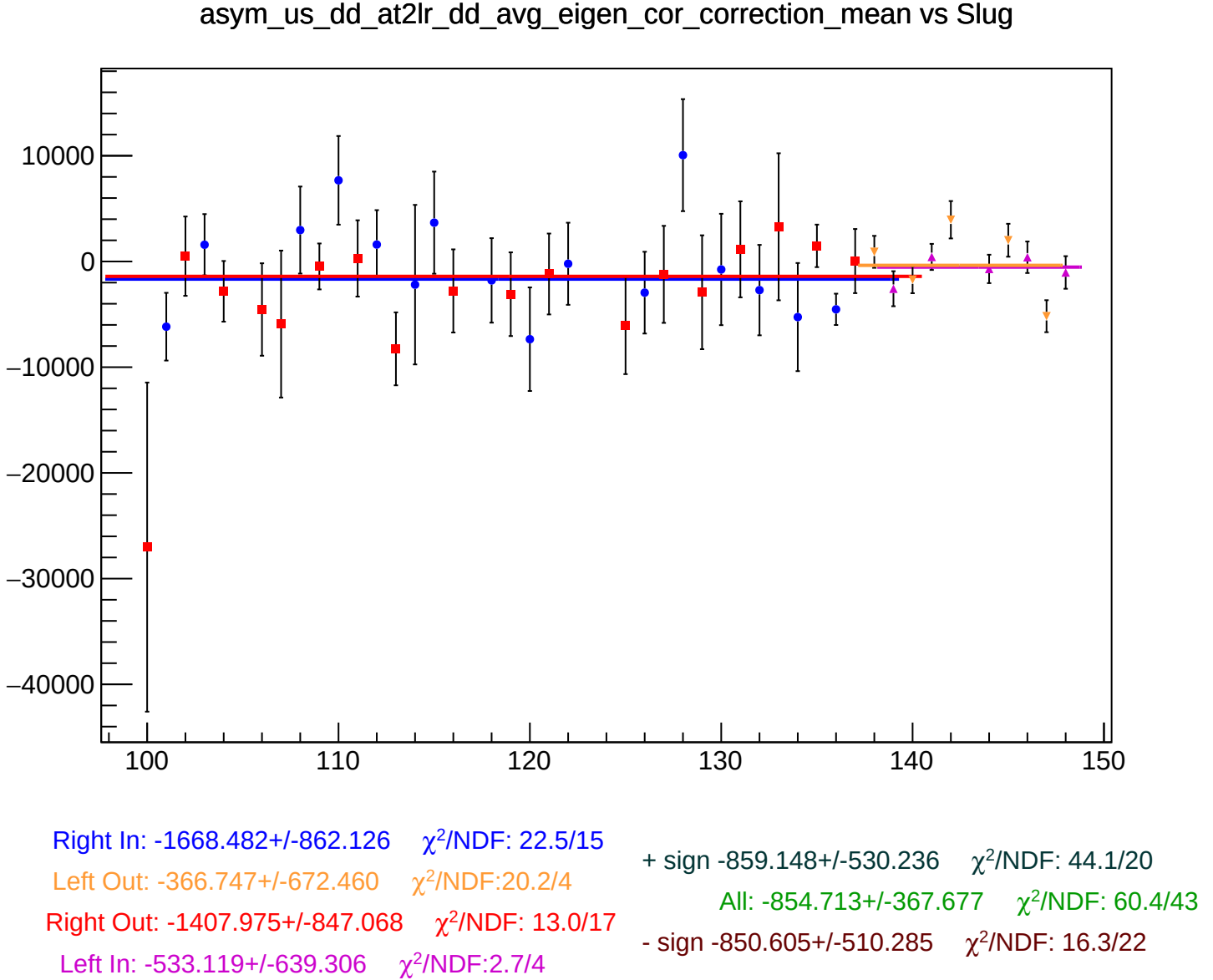
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

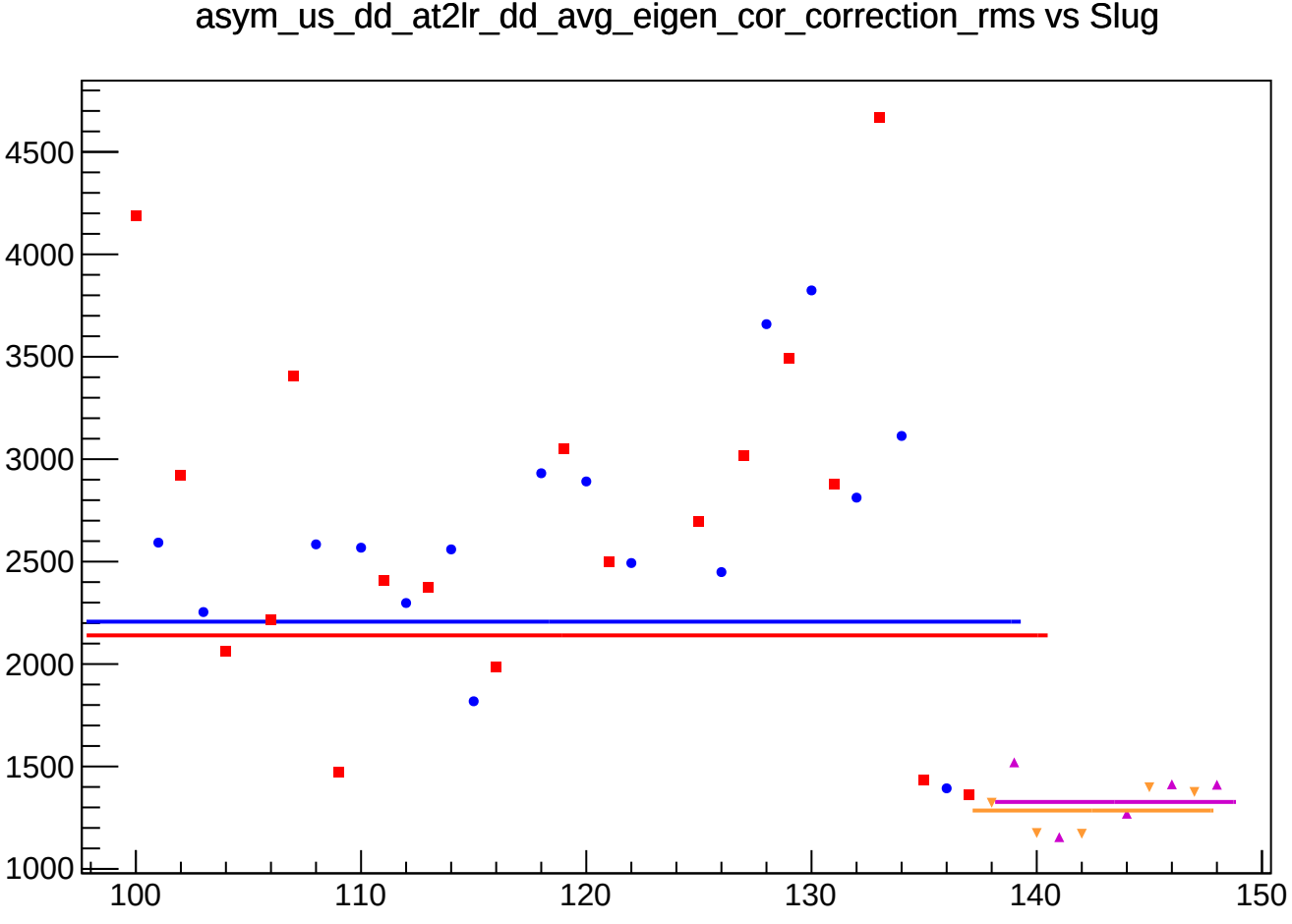
Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2165.502+/-0.466 χ^2/NDF: 230669.4/20

All: 2157.379+/-0.323 χ^2/NDF: 424826.4/43

- sign 2149.834+/-0.449 χ^2/NDF: 193570.2/22


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -366.747+/-672.460 χ²/NDF:20.2/4
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -533.119+/-639.306 χ²/NDF:2.7/4
+ sign -859.148+/-530.236 χ²/NDF: 44.1/20
All: -854.713+/-367.677 χ²/NDF: 60.4/43
- sign -850.605+/-510.285 χ²/NDF: 16.3/22



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

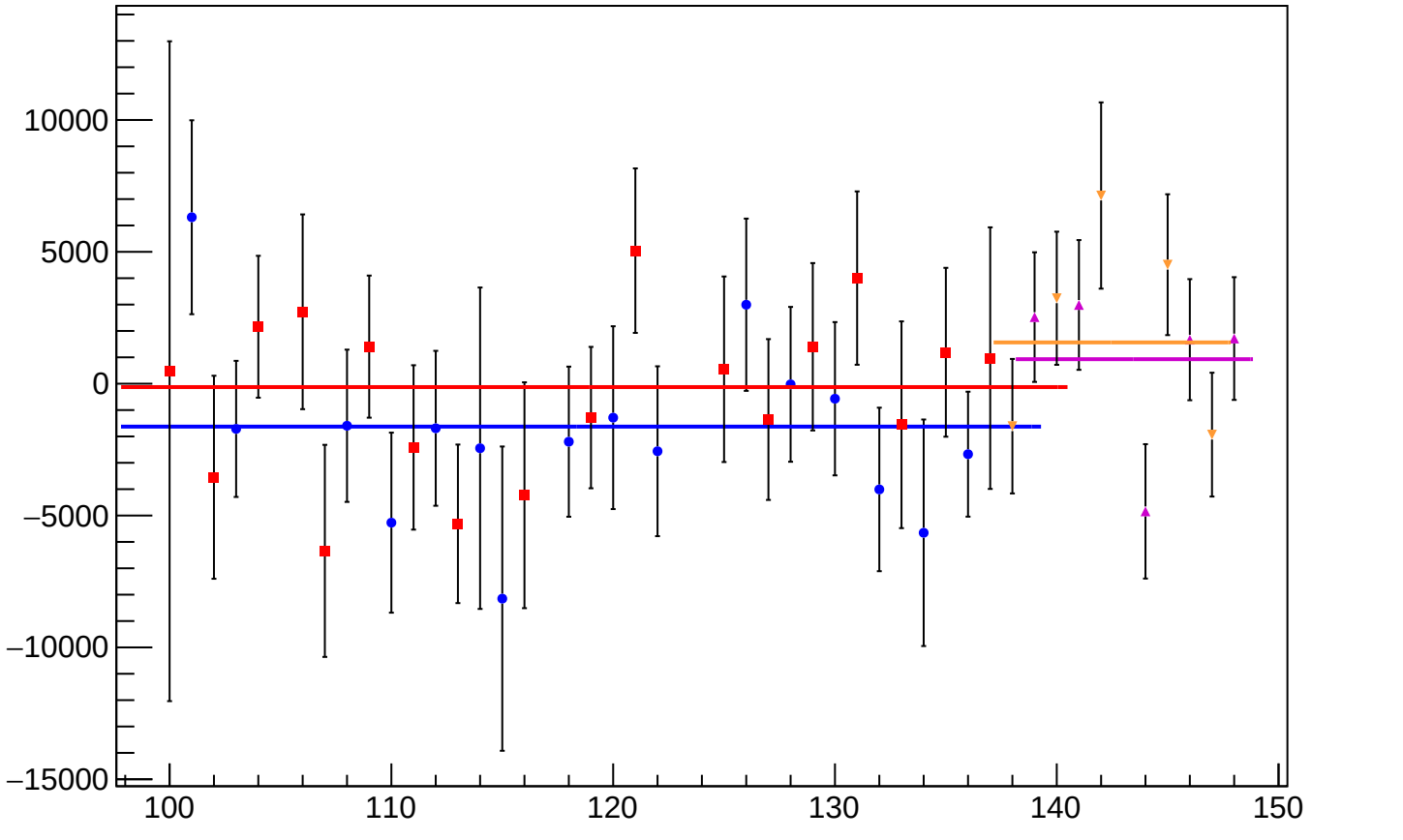
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

+ sign 1633.721+/-0.375 χ^2/NDF: 2712899.6/20

All: 1627.623+/-0.260 χ^2/NDF: 5418408.1/43

- sign 1621.975+/-0.361 χ^2/NDF: 2704998.9/22



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

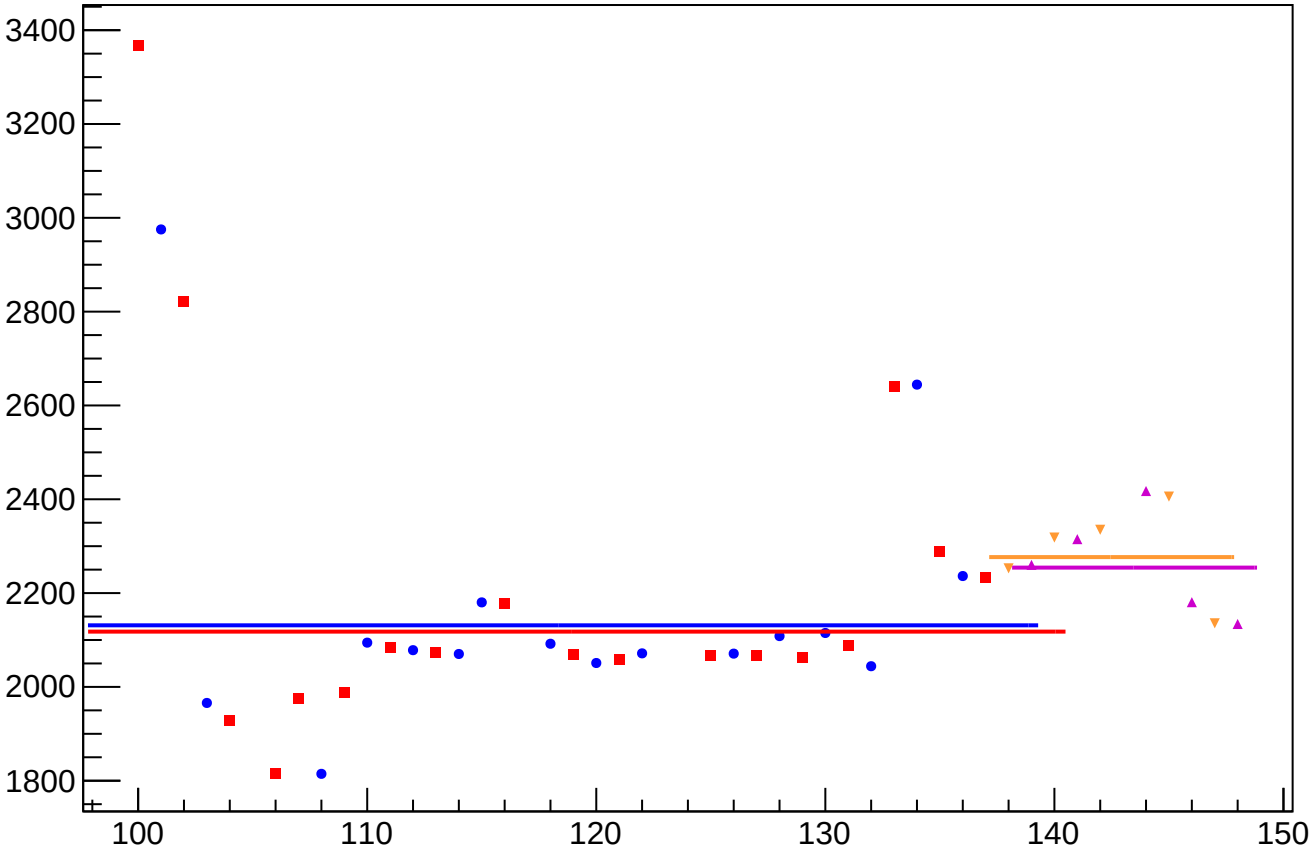
Left In: 929.020+/-1078.875 χ^2/NDF:6.5/4

+ sign -631.307+/-661.841 χ^2/NDF: 24.2/20

All: -179.064+/-460.253 χ^2/NDF: 46.8/43

- sign 244.454+/-640.477 χ^2/NDF: 21.6/22

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

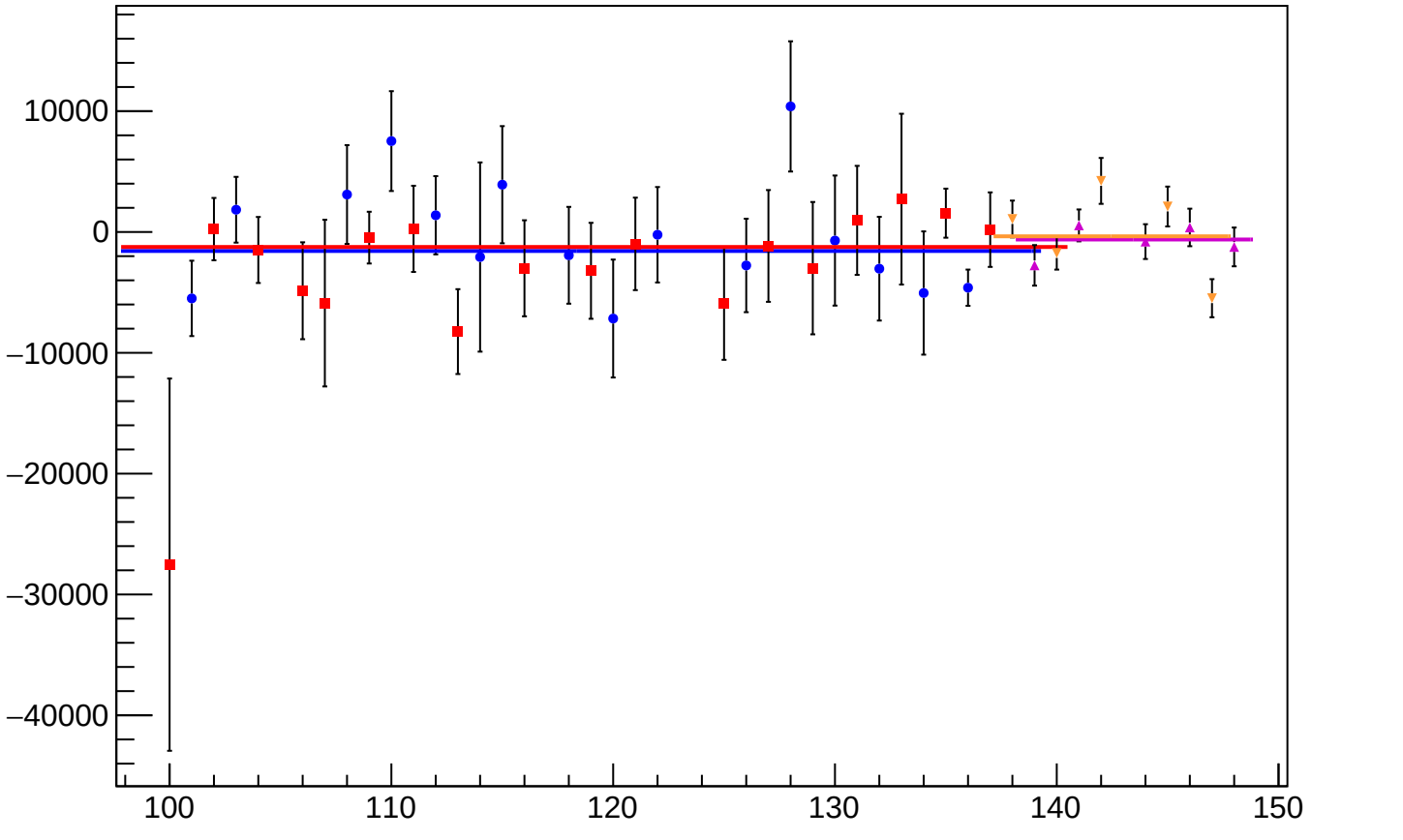
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.4/4

+ sign 2176.684+/-0.468 χ^2/NDF: 209835.4/20

All: 2171.144+/-0.325 χ^2/NDF: 411281.9/43

- sign 2165.957+/-0.453 χ^2/NDF: 201175.2/22



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

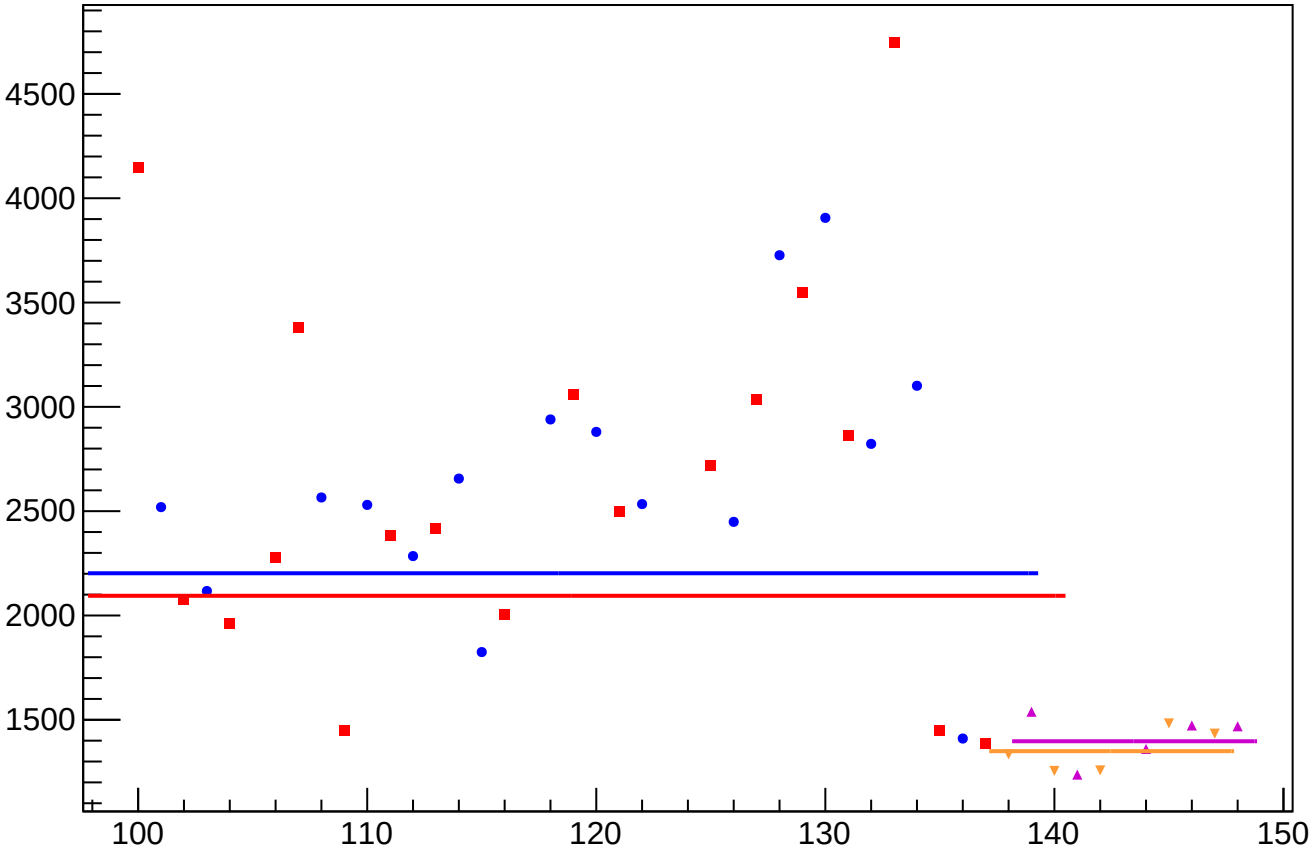
Left In: -620.795+/-671.993 χ^2/NDF:3.0/4

\+ sign -846.137+/-545.450 χ^2/NDF: 44.3/20

All: -858.675+/-376.257 χ^2/NDF: 60.7/43

\- sign -870.057+/-519.700 χ^2/NDF: 16.4/22

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

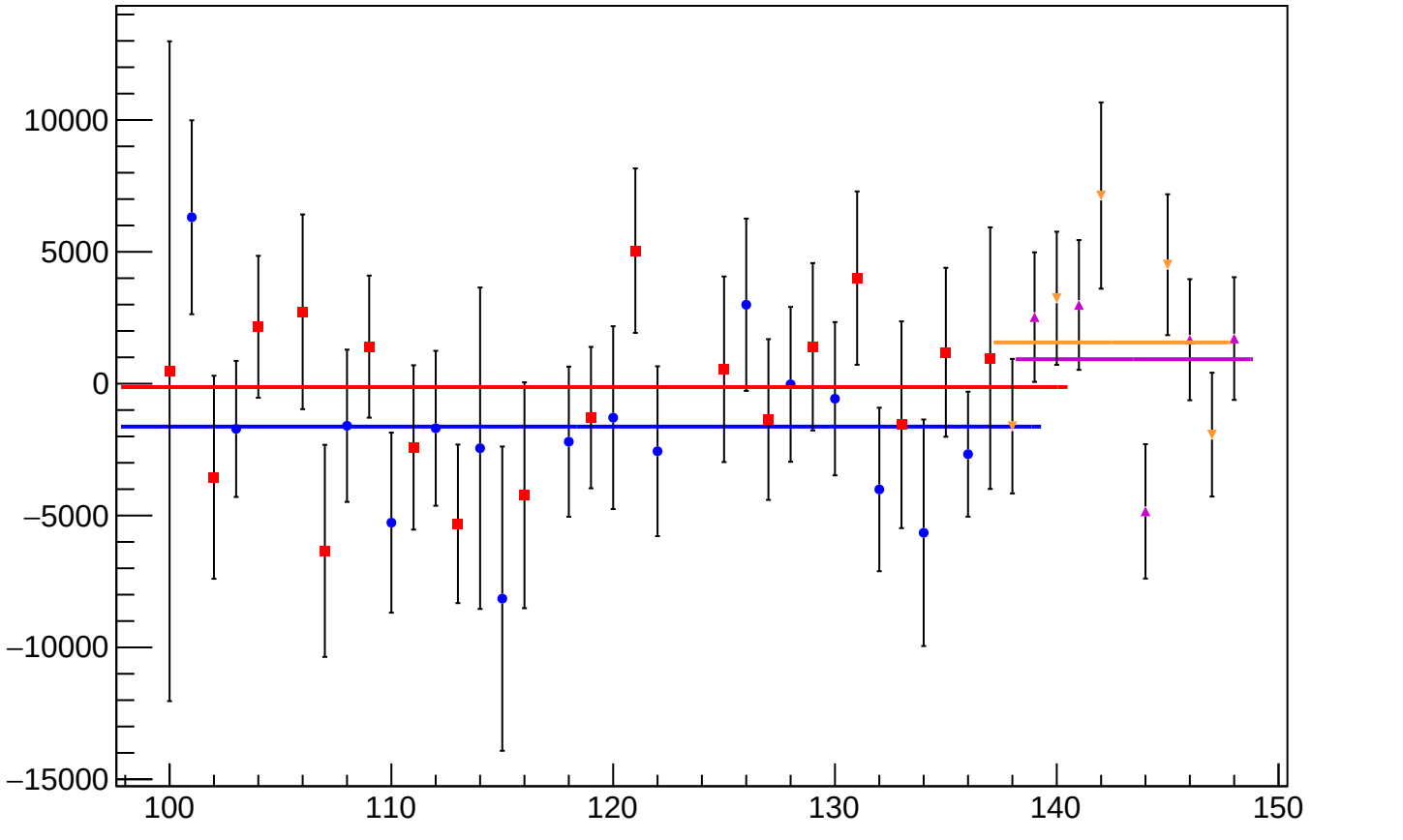
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1397.140+/-0.475 χ^2/NDF:53608.5/4

+ sign 1692.894+/-0.386 χ^2/NDF: 2431512.8/20

All: 1684.765+/-0.266 χ^2/NDF: 4725133.6/43

- sign 1677.386+/-0.367 χ^2/NDF: 2292773.2/22



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

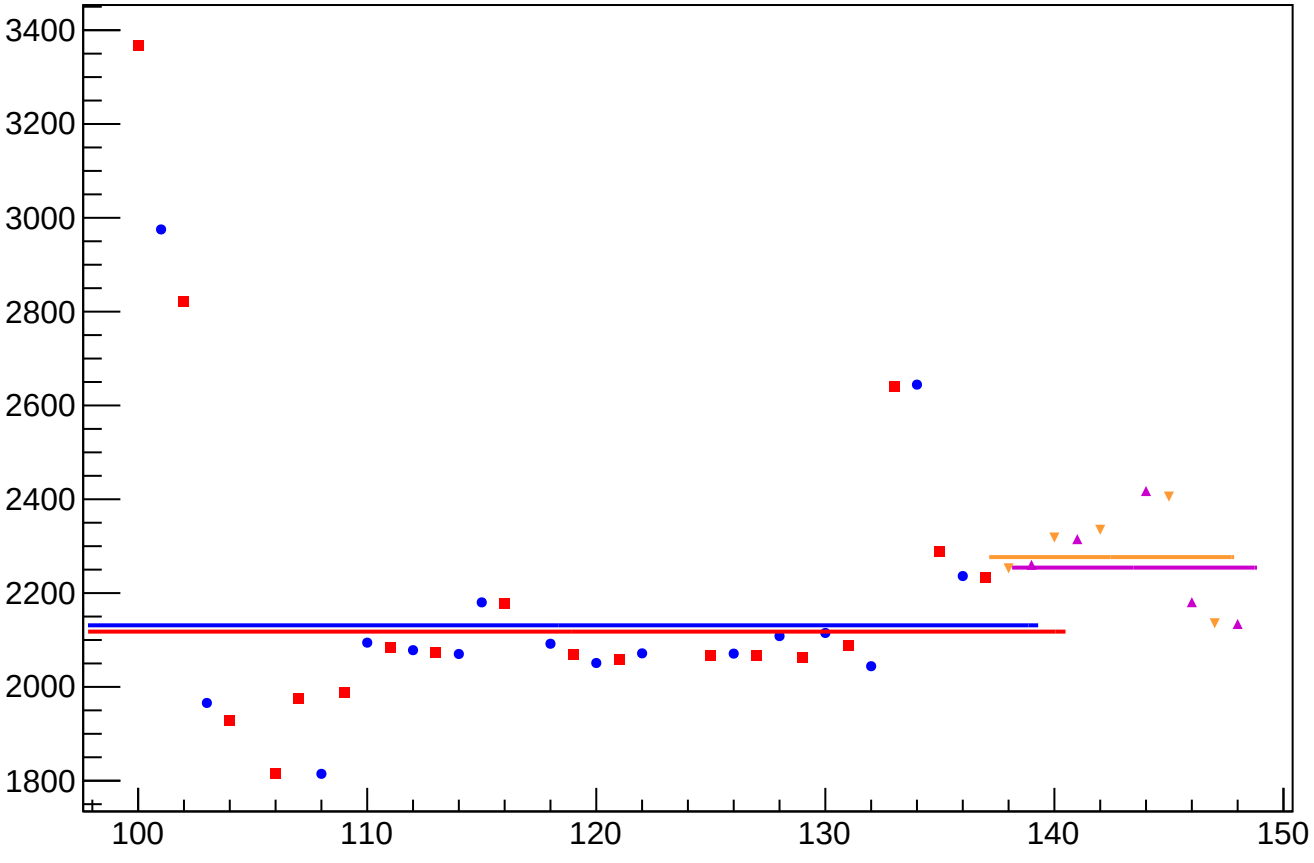
Left In: 929.011+/-1078.875 χ^2/NDF:6.5/4

+ sign -631.307+/-661.841 χ^2/NDF: 24.2/20

All: -179.063+/-460.253 χ^2/NDF: 46.8/43

- sign 244.455+/-640.477 χ^2/NDF: 21.6/22

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

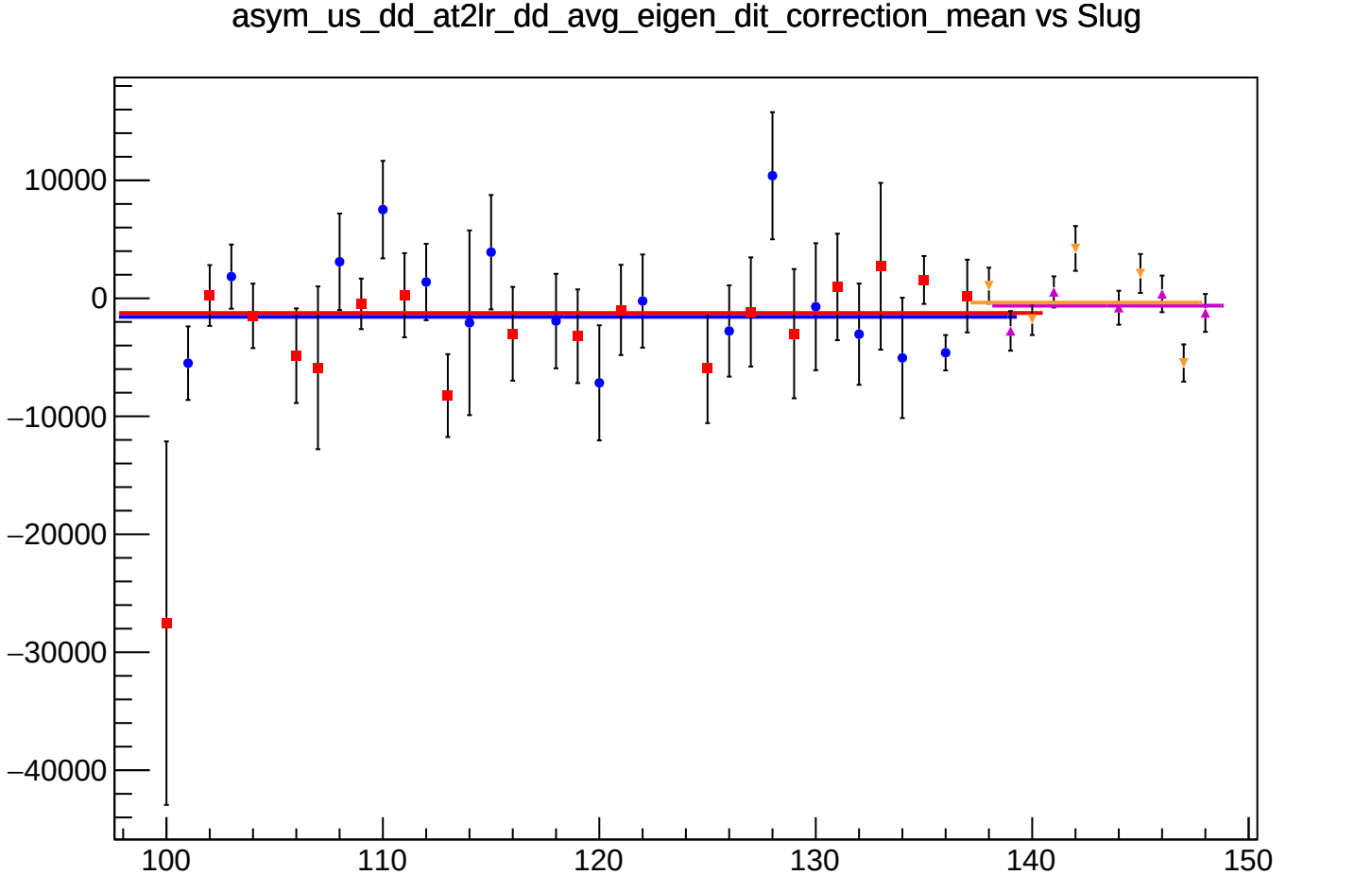
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.5/4

+ sign 2176.684+/-0.468 χ^2/NDF: 209835.4/20

All: 2171.144+/-0.325 χ^2/NDF: 411281.9/43

- sign 2165.957+/-0.453 χ^2/NDF: 201175.1/22



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -357.807+/-705.647 χ^2/NDF:20.5/4

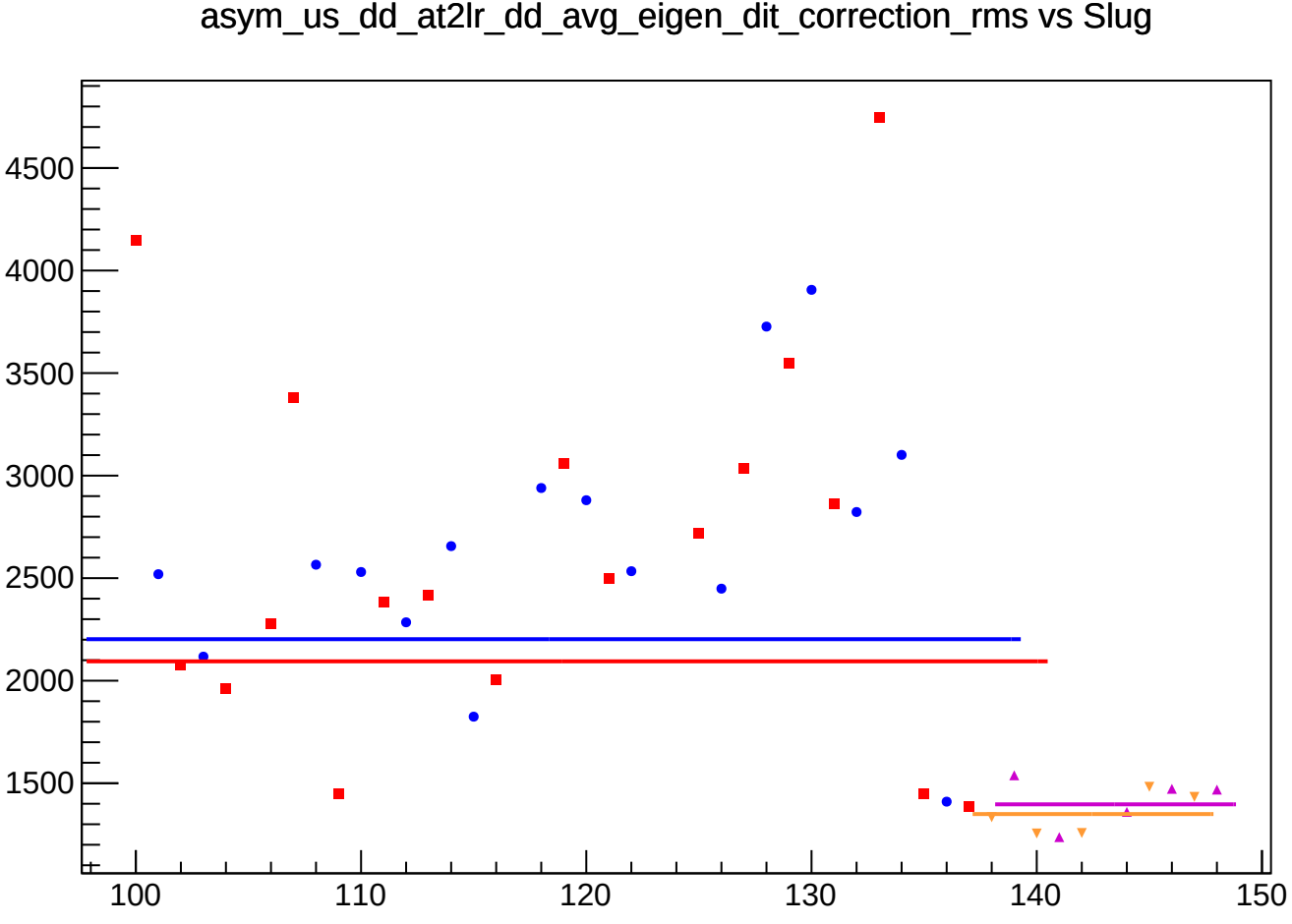
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -620.790+/-671.994 χ^2/NDF:3.0/4

\+ sign -846.137+/-545.453 χ^2/NDF: 44.3/20

All: -858.677+/-376.259 χ^2/NDF: 60.7/43

\- sign -870.060+/-519.701 χ^2/NDF: 16.4/22



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

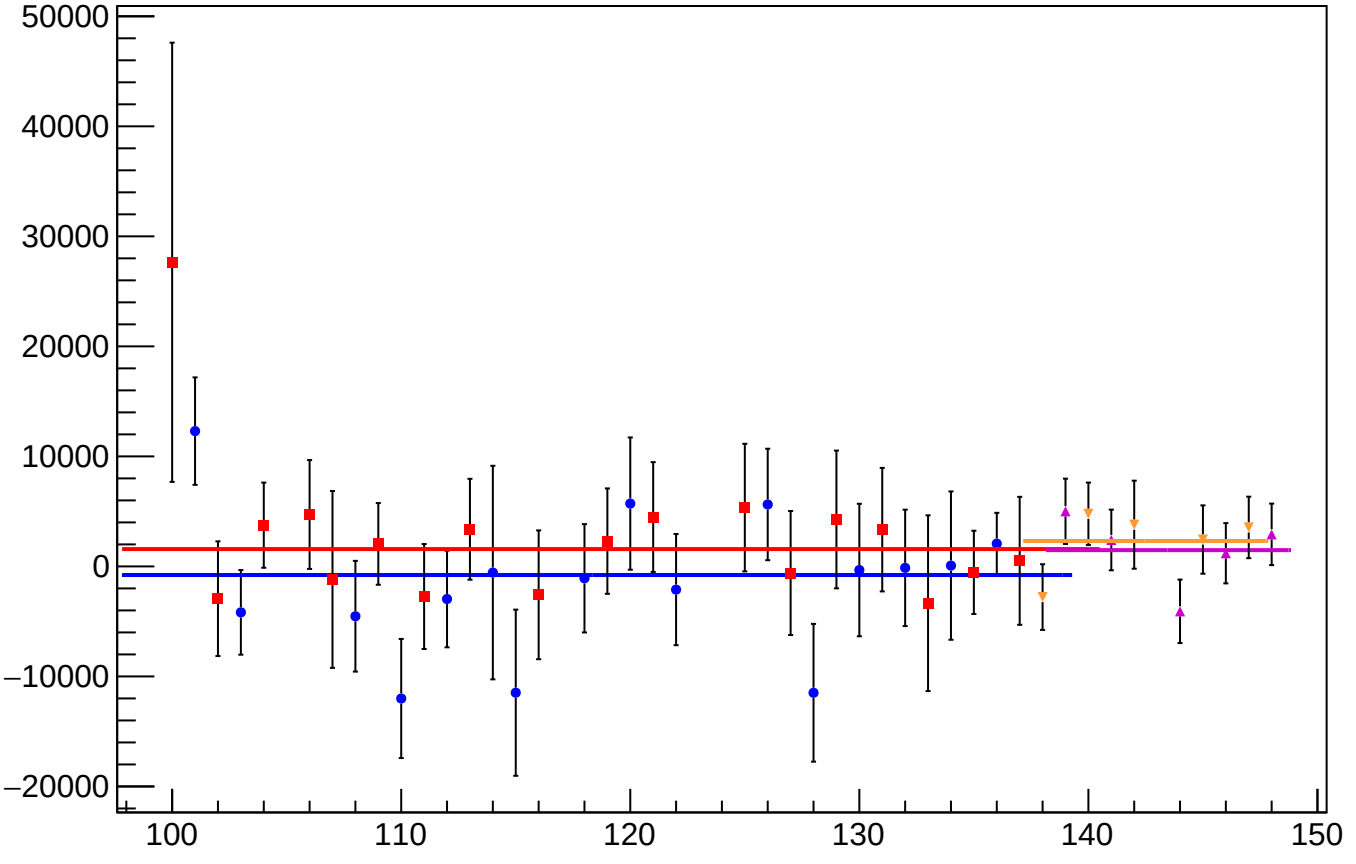
Left In: 1397.142+/-0.475 χ^2/NDF:53610.0/4

+ sign 1692.905+/-0.386 χ^2/NDF: 2431454.4/20

All: 1684.773+/-0.266 χ^2/NDF: 4725052.6/43

- sign 1677.390+/-0.367 χ^2/NDF: 2292750.1/22

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

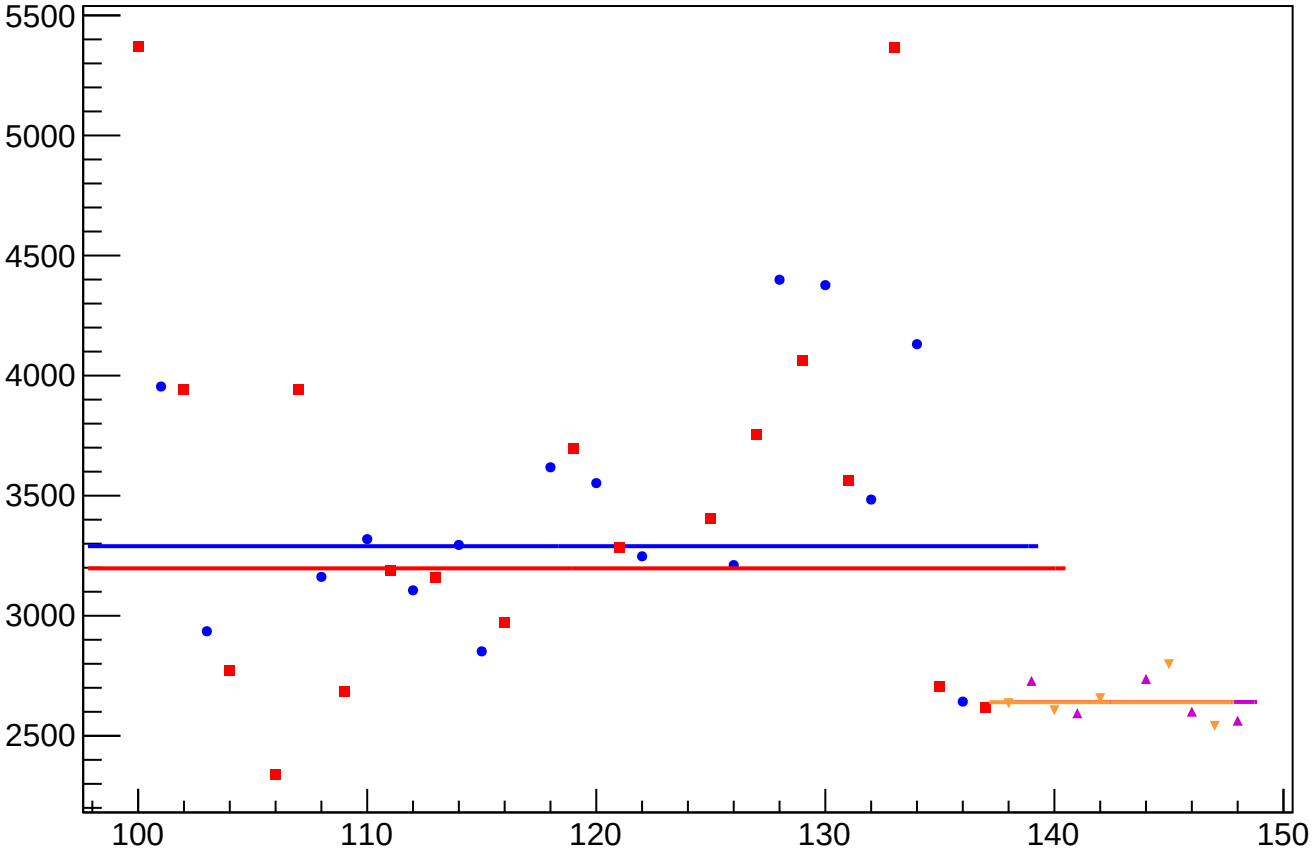
Left In: 1479.016+/-1263.464 χ^2/NDF:5.5/4

+ sign 609.094+/-920.863 χ^2/NDF: 28.7/20

All: 1091.116+/-635.167 χ^2/NDF: 41.5/43

- sign 1528.559+/-877.247 χ^2/NDF: 12.2/22

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

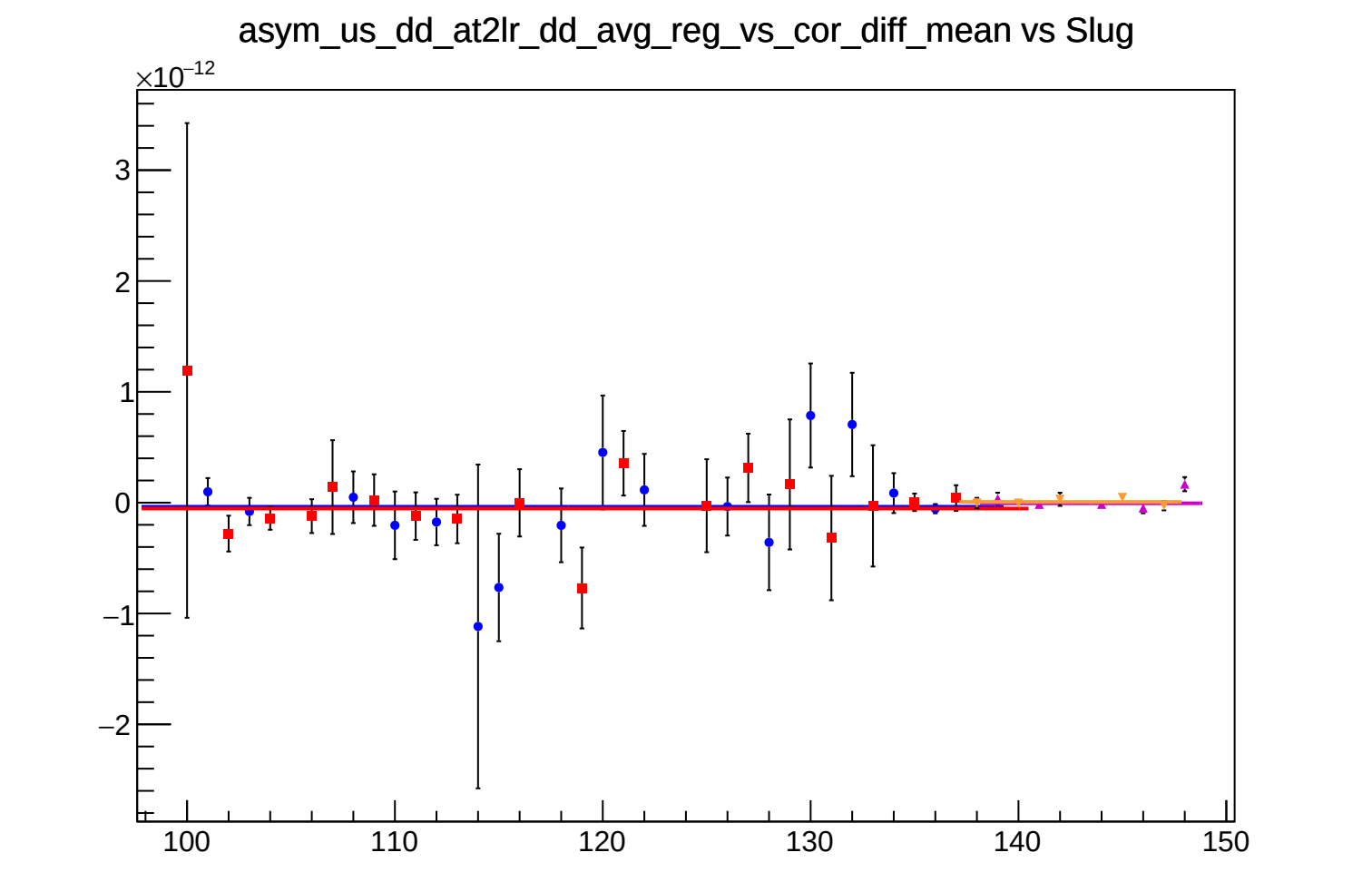
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2641.056+/-0.893 χ^2/NDF:6525.2/4

+ sign 2997.401+/-0.651 χ^2/NDF: 601849.1/20

All: 2961.642+/-0.449 χ^2/NDF: 1314888.2/43

- sign 2929.190+/-0.620 χ^2/NDF: 707286.1/22


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
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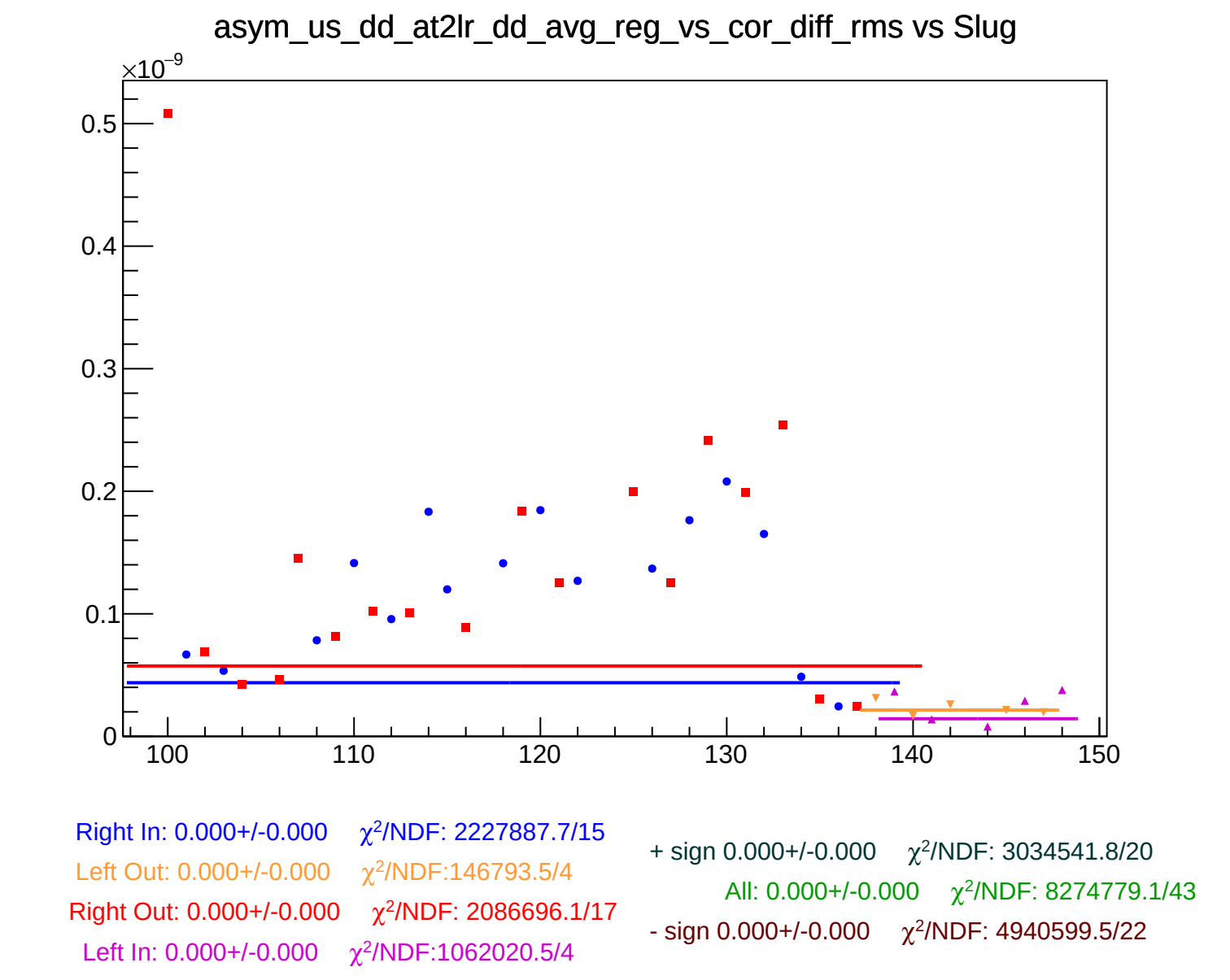
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:9.1/4
+ sign -0.000+/-0.000 χ²/NDF: 16.6/20
All: -0.000+/-0.000 χ²/NDF: 39.5/43
- sign -0.000+/-0.000 χ²/NDF: 22.8/22


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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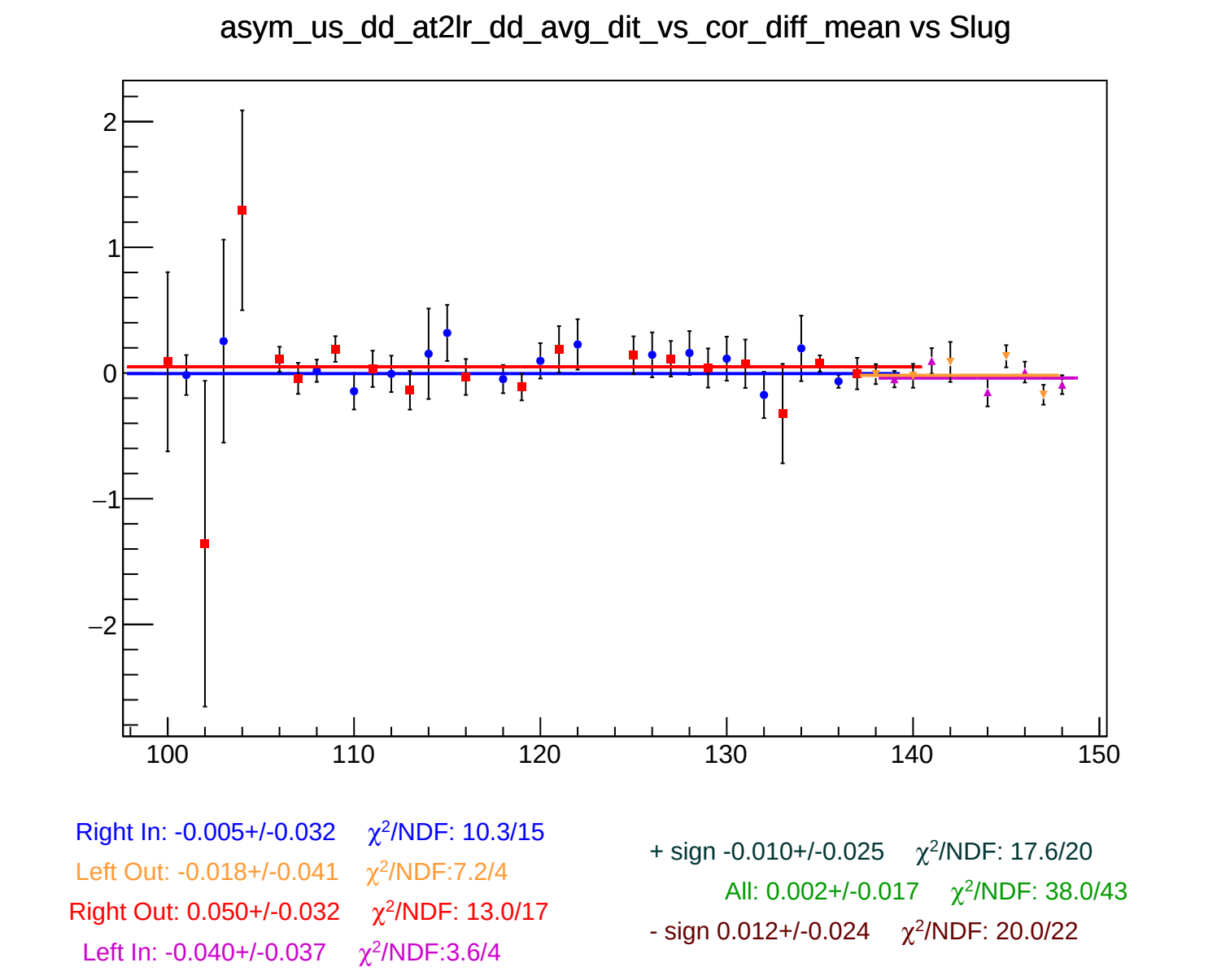
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:146793.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1062020.5/4
+ sign 0.000+/-0.000 χ²/NDF: 3034541.8/20
All: 0.000+/-0.000 χ²/NDF: 8274779.1/43
- sign 0.000+/-0.000 χ²/NDF: 4940599.5/22


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
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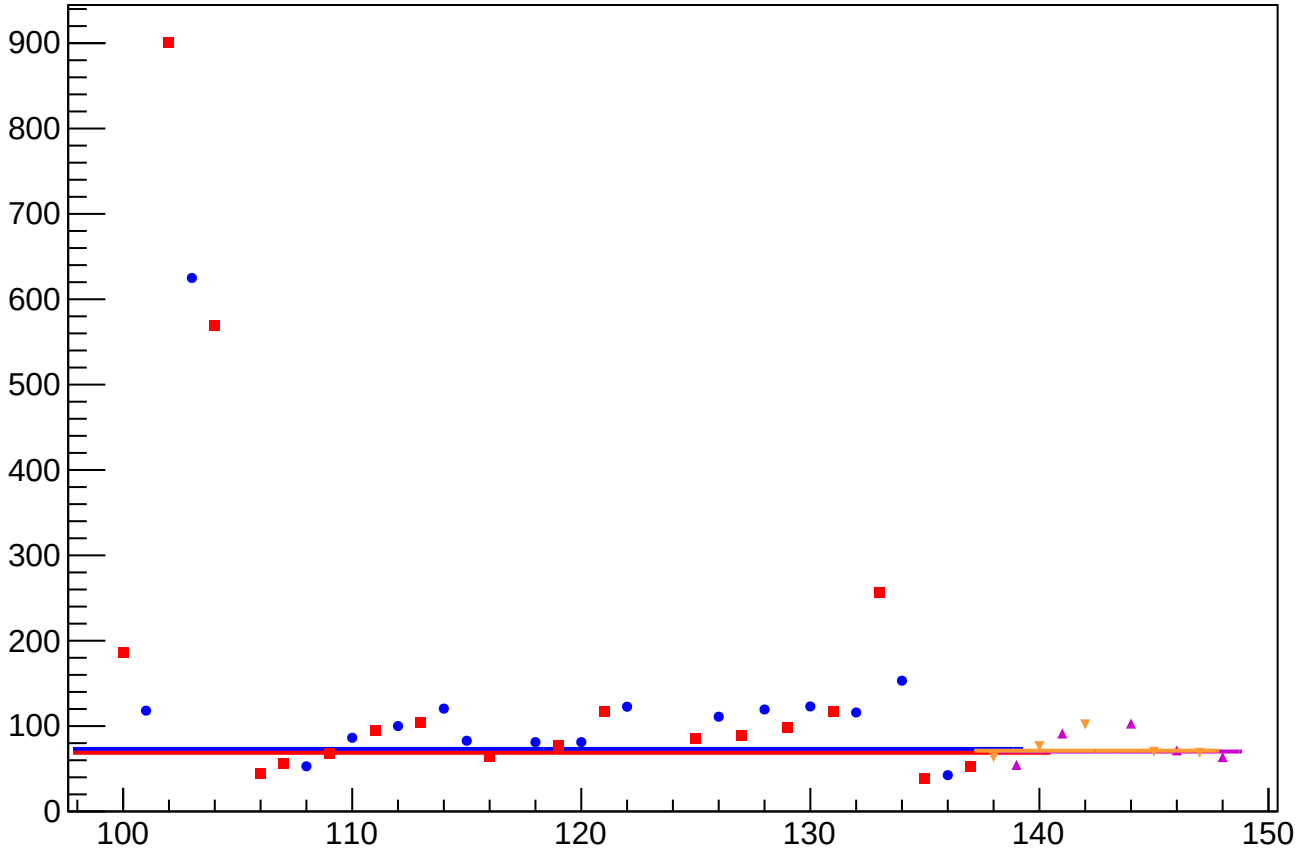
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.018+/-0.041 χ²/NDF:7.2/4
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.040+/-0.037 χ²/NDF:3.6/4
+ sign -0.010+/-0.025 χ²/NDF: 17.6/20
All: 0.002+/-0.017 χ²/NDF: 38.0/43
- sign 0.012+/-0.024 χ²/NDF: 20.0/22

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

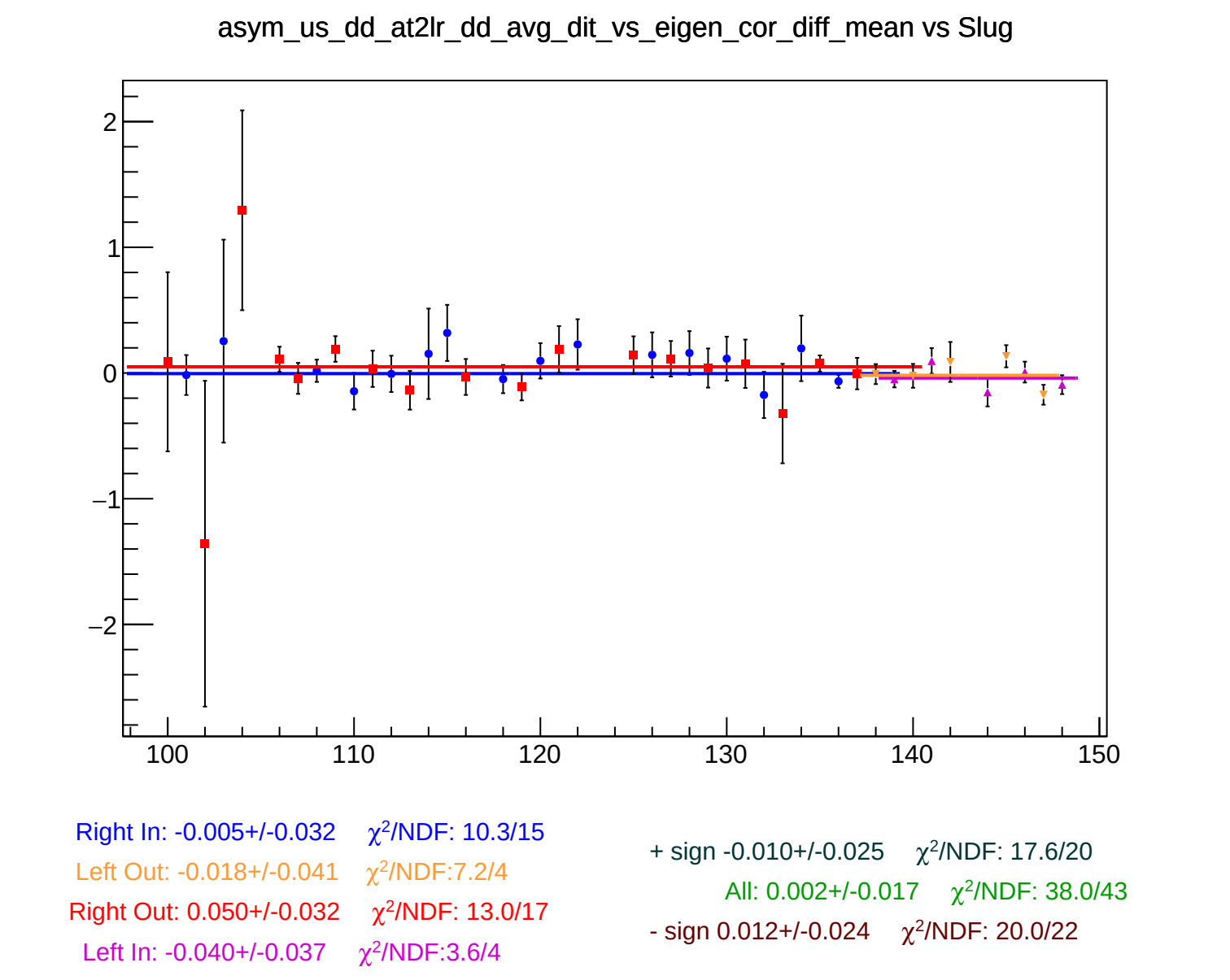
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

+ sign 72.456+/-0.018 χ^2/NDF: 2960444.3/20

All: 70.820+/-0.012 χ^2/NDF: 6692273.0/43

- sign 69.342+/-0.017 χ^2/NDF: 3715936.0/22


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
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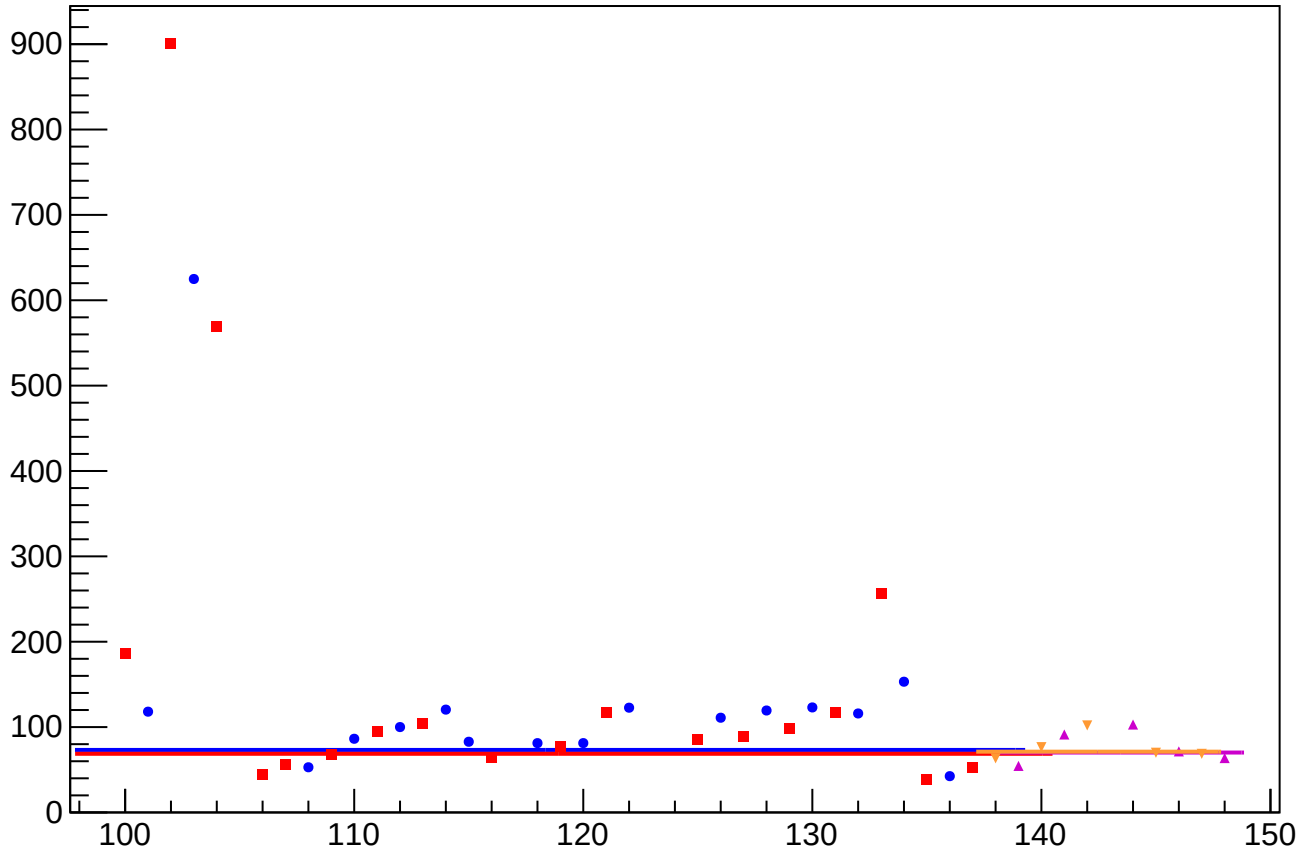
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.018+/-0.041 χ²/NDF:7.2/4
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.040+/-0.037 χ²/NDF:3.6/4
+ sign -0.010+/-0.025 χ²/NDF: 17.6/20
All: 0.002+/-0.017 χ²/NDF: 38.0/43
- sign 0.012+/-0.024 χ²/NDF: 20.0/22



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 71.200+/-0.029 χ^2/NDF:102792.1/4

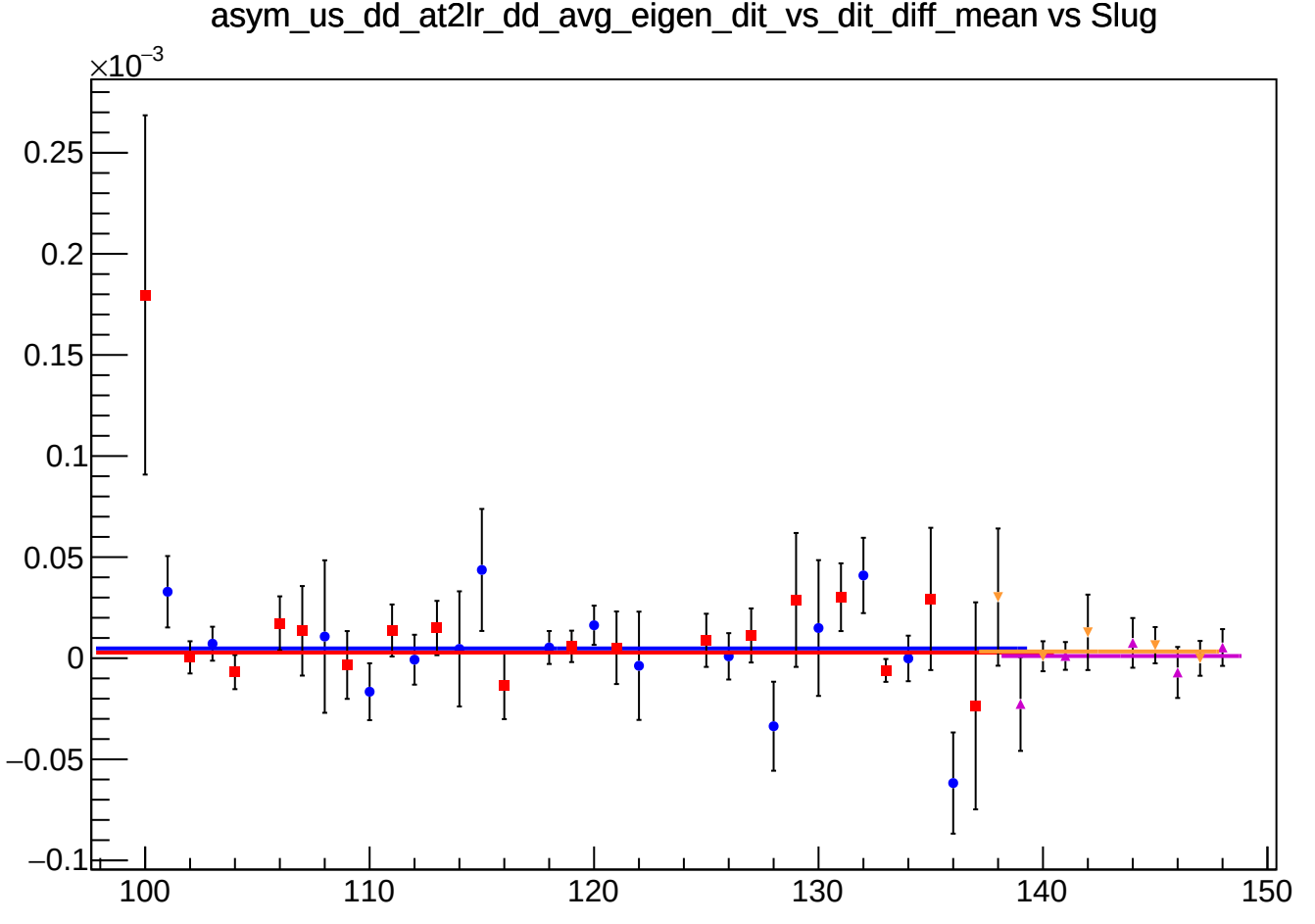
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

+ sign 72.456+/-0.018 χ^2/NDF: 2960444.3/20

All: 70.820+/-0.012 χ^2/NDF: 6692273.0/43

- sign 69.342+/-0.017 χ^2/NDF: 3715936.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

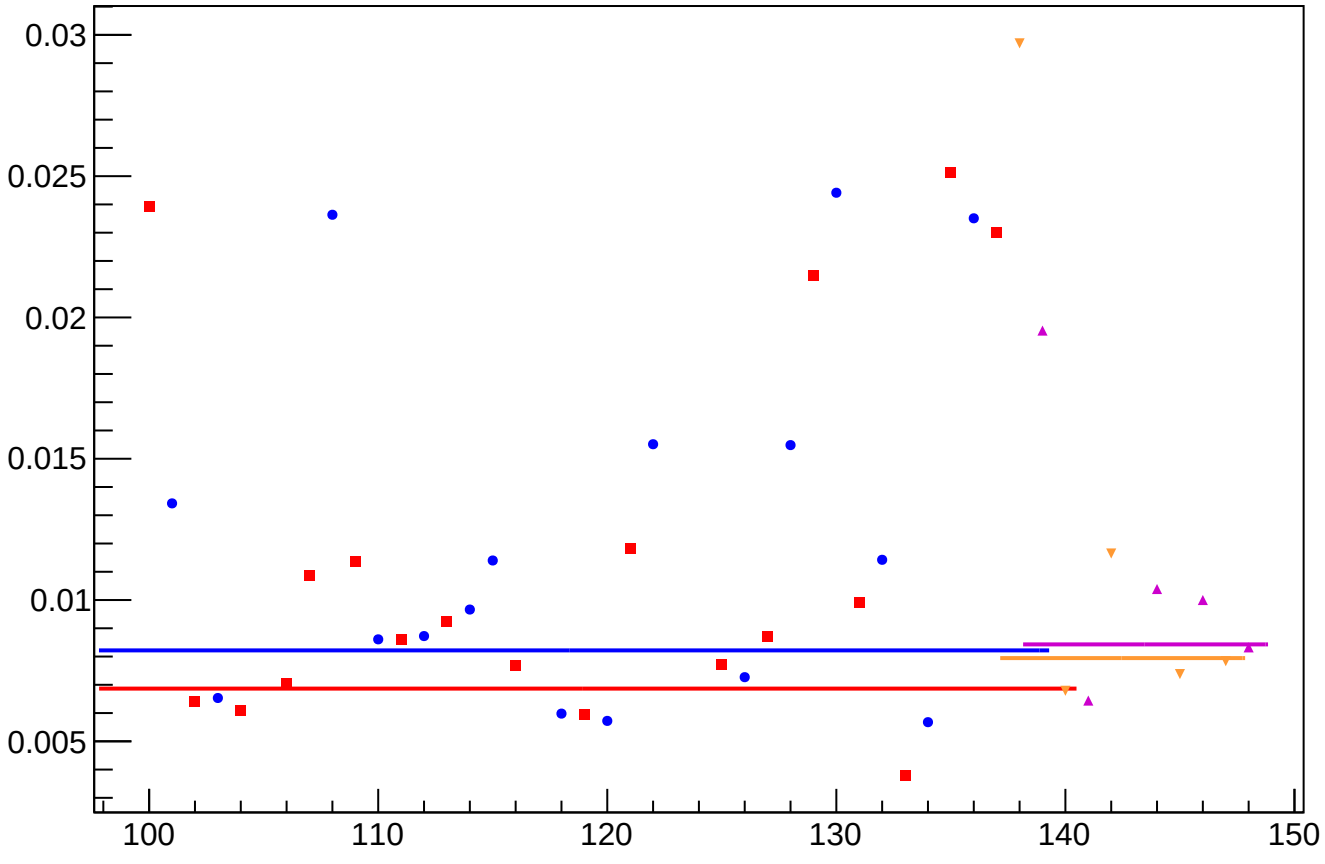
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 43.0/43

- sign 0.000+/-0.000 χ^2/NDF: 18.8/22



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:957739.9/4

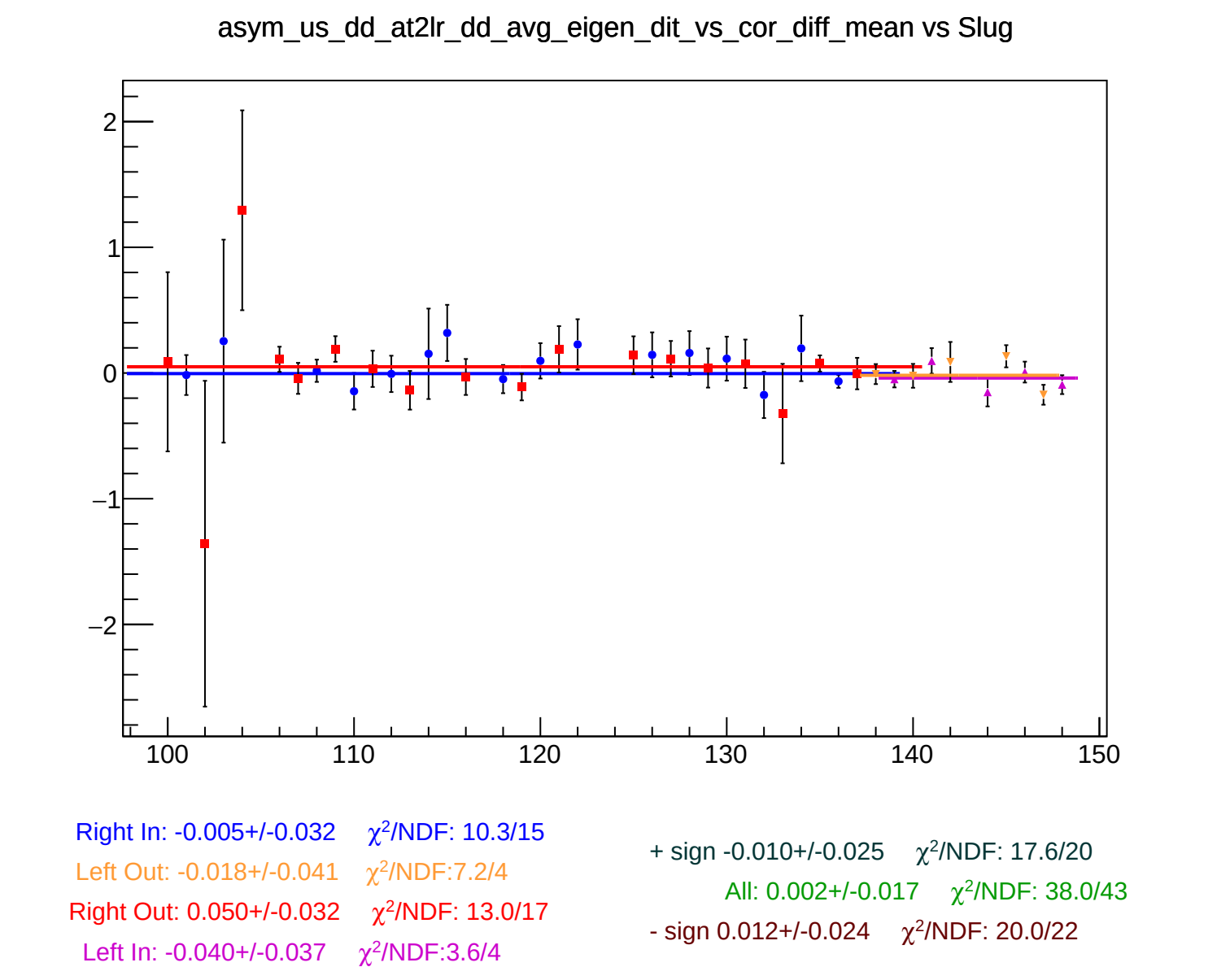
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706473.2/4

+ sign 0.008+/-0.000 χ^2/NDF: 3618396.8/20

All: 0.008+/-0.000 χ^2/NDF: 7019629.6/43

- sign 0.007+/-0.000 χ^2/NDF: 3302572.9/22


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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140
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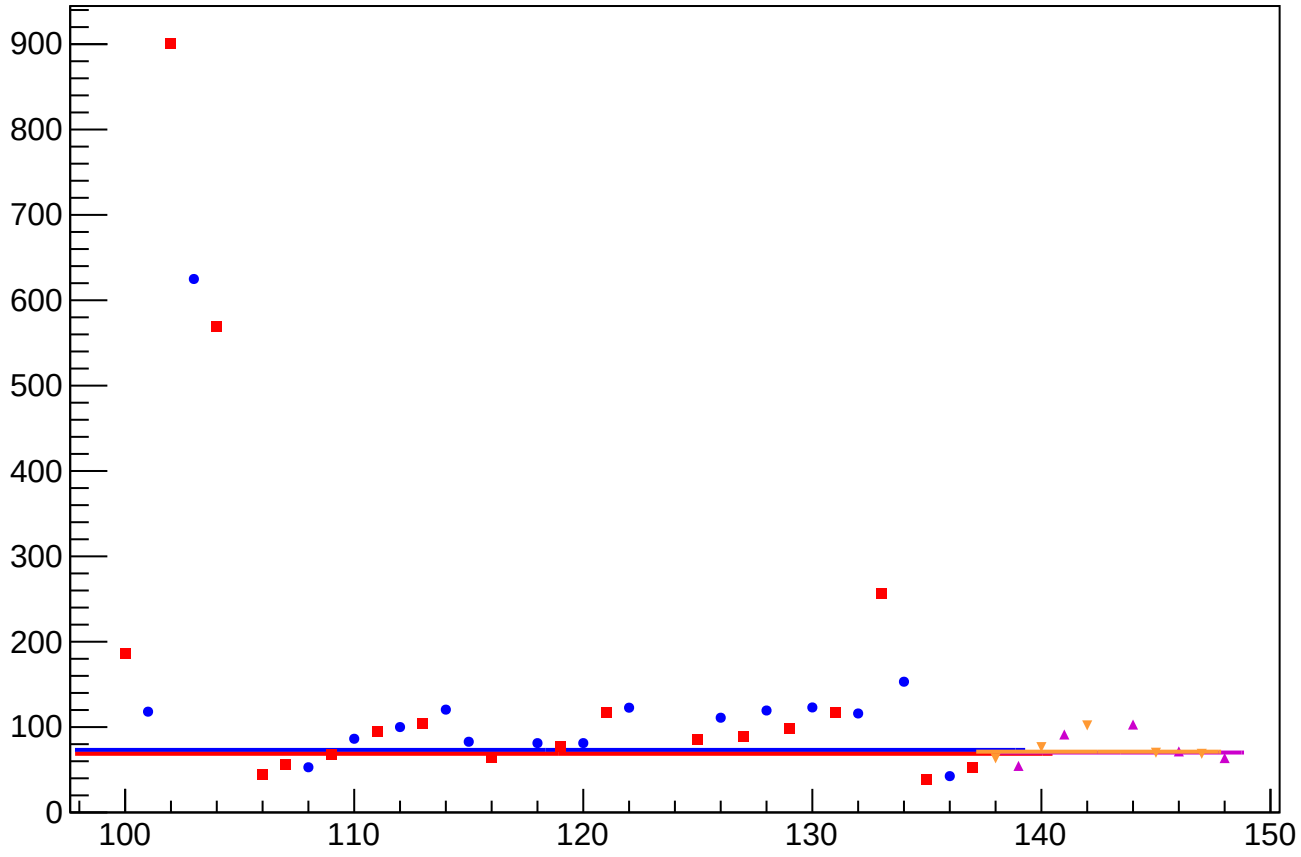
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.018+/-0.041 χ²/NDF:7.2/4
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.040+/-0.037 χ²/NDF:3.6/4
+ sign -0.010+/-0.025 χ²/NDF: 17.6/20
All: 0.002+/-0.017 χ²/NDF: 38.0/43
- sign 0.012+/-0.024 χ²/NDF: 20.0/22



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

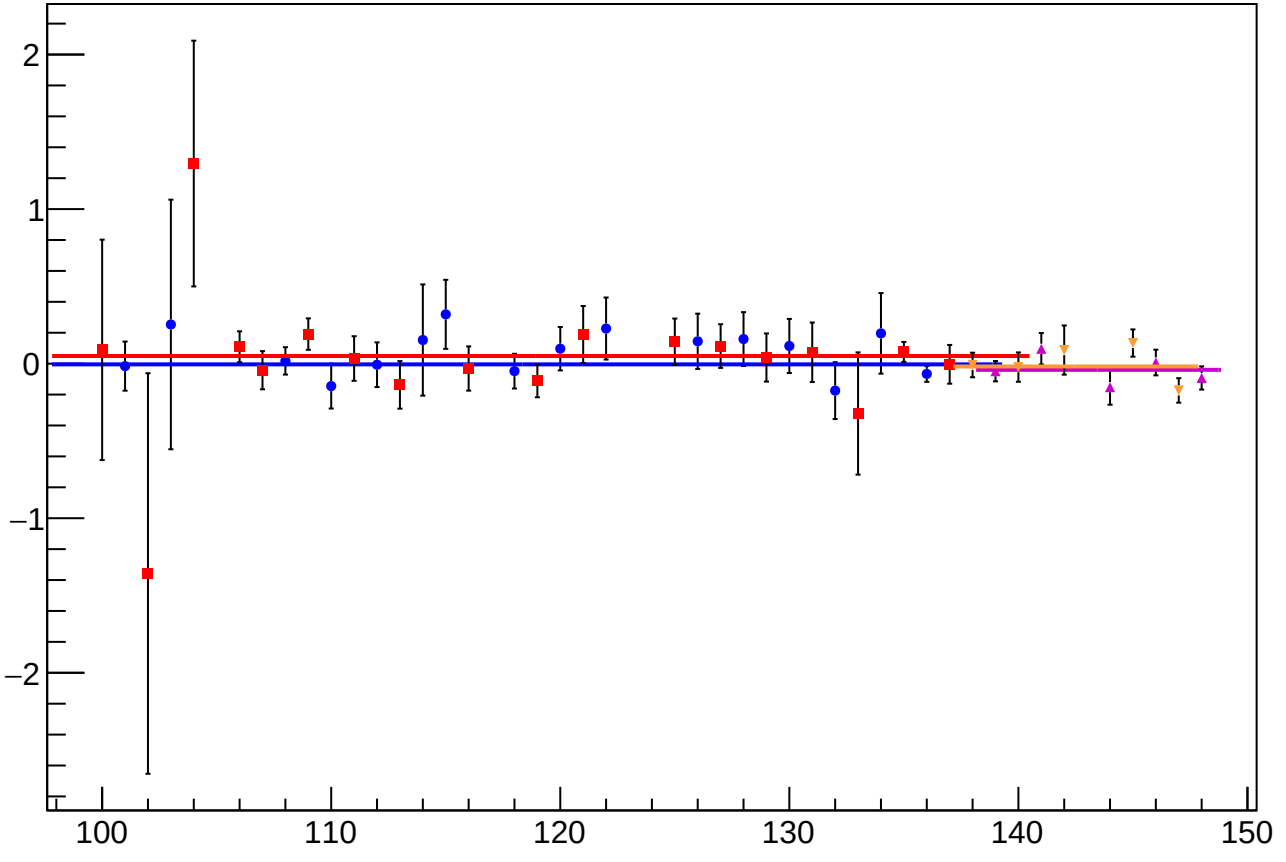
Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

+ sign 72.472+/-0.018 χ^2/NDF: 2958222.9/20

All: 70.825+/-0.012 χ^2/NDF: 6691086.1/43

- sign 69.337+/-0.017 χ^2/NDF: 3716757.8/22

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

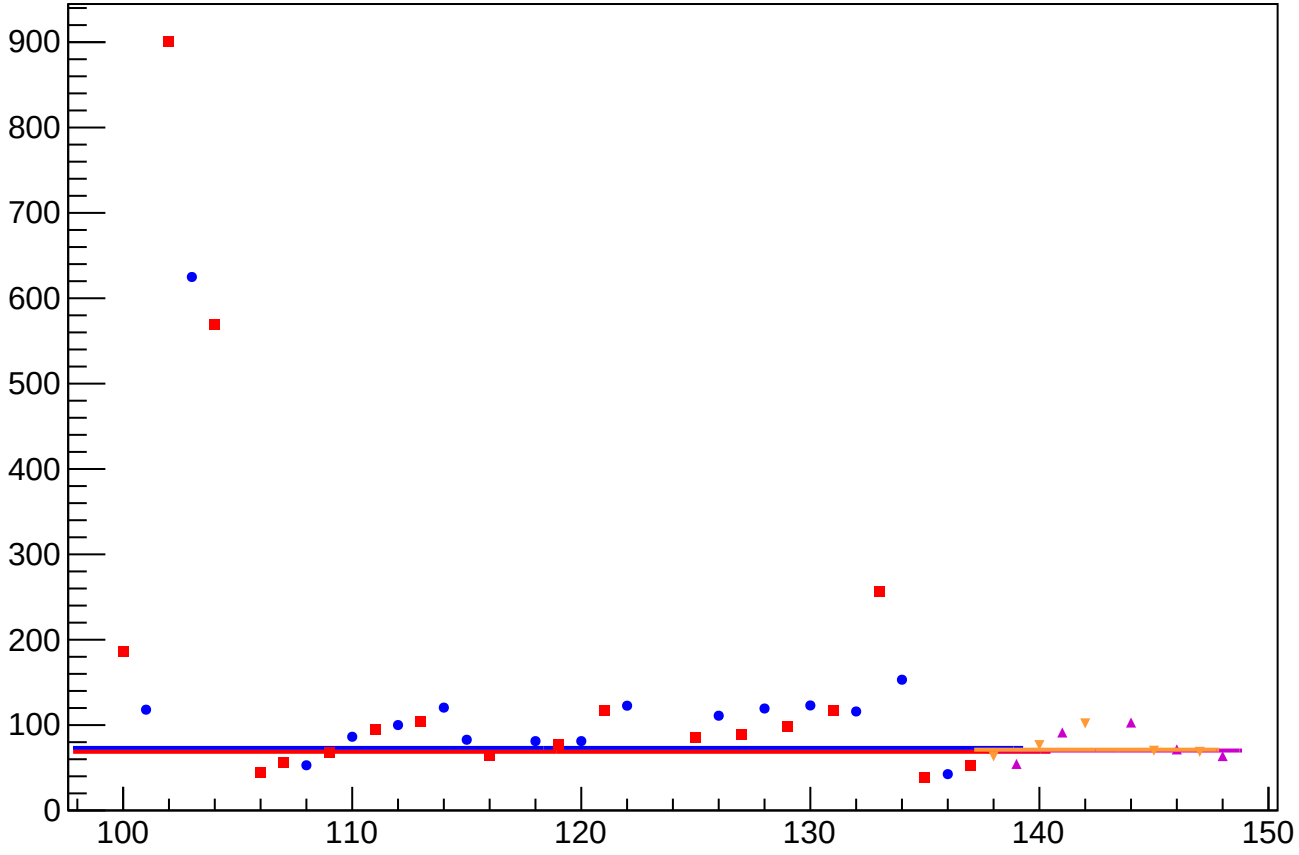
Left In: -0.040+/-0.037 χ^2/NDF:3.6/4

+ sign -0.010+/-0.025 χ^2/NDF: 17.6/20

All: 0.002+/-0.017 χ^2/NDF: 38.0/43

- sign 0.012+/-0.024 χ^2/NDF: 20.0/22

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

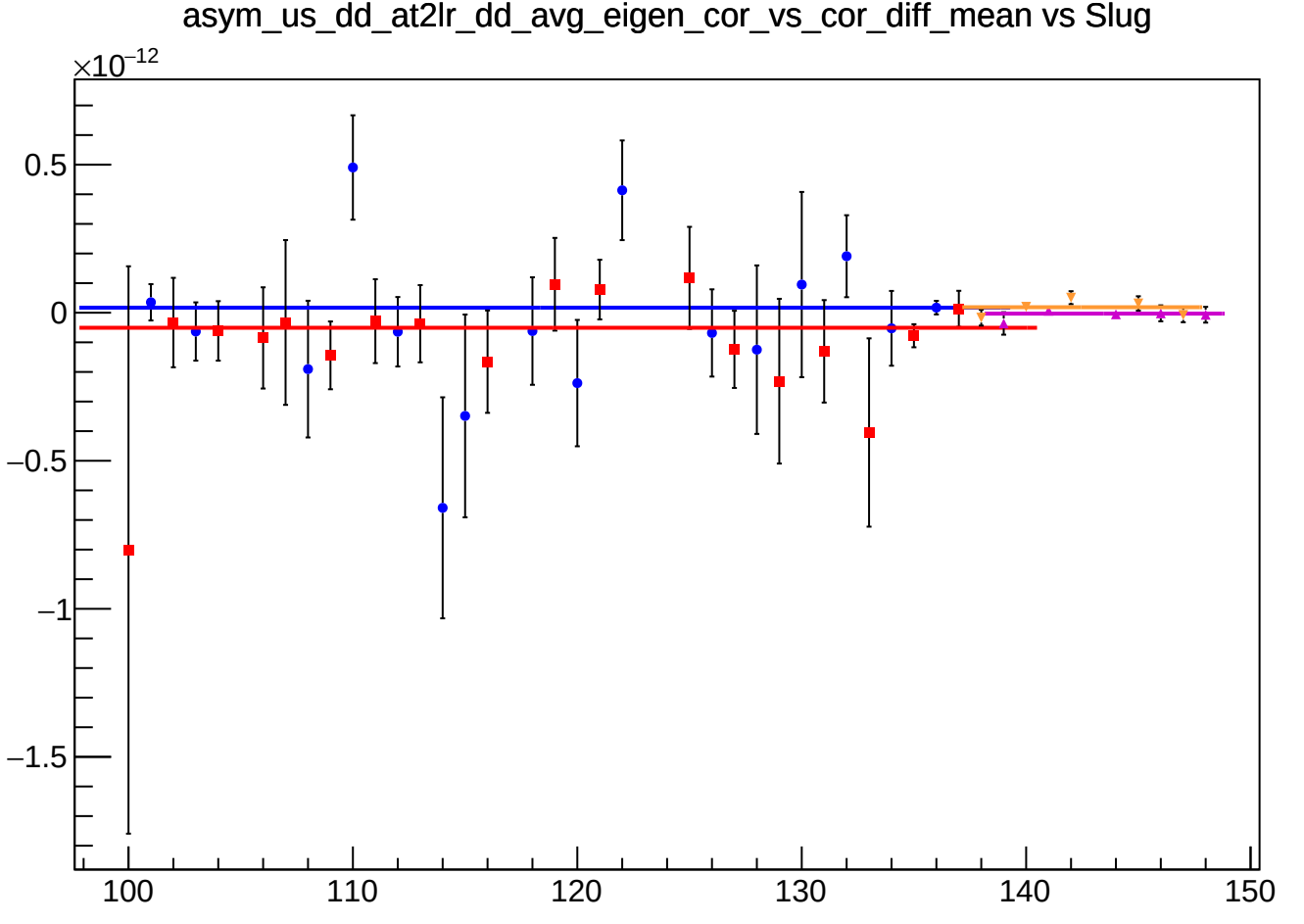
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

+ sign 72.472+/-0.018 χ^2/NDF: 2958222.9/20

All: 70.825+/-0.012 χ^2/NDF: 6691086.1/43

- sign 69.337+/-0.017 χ^2/NDF: 3716757.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/4

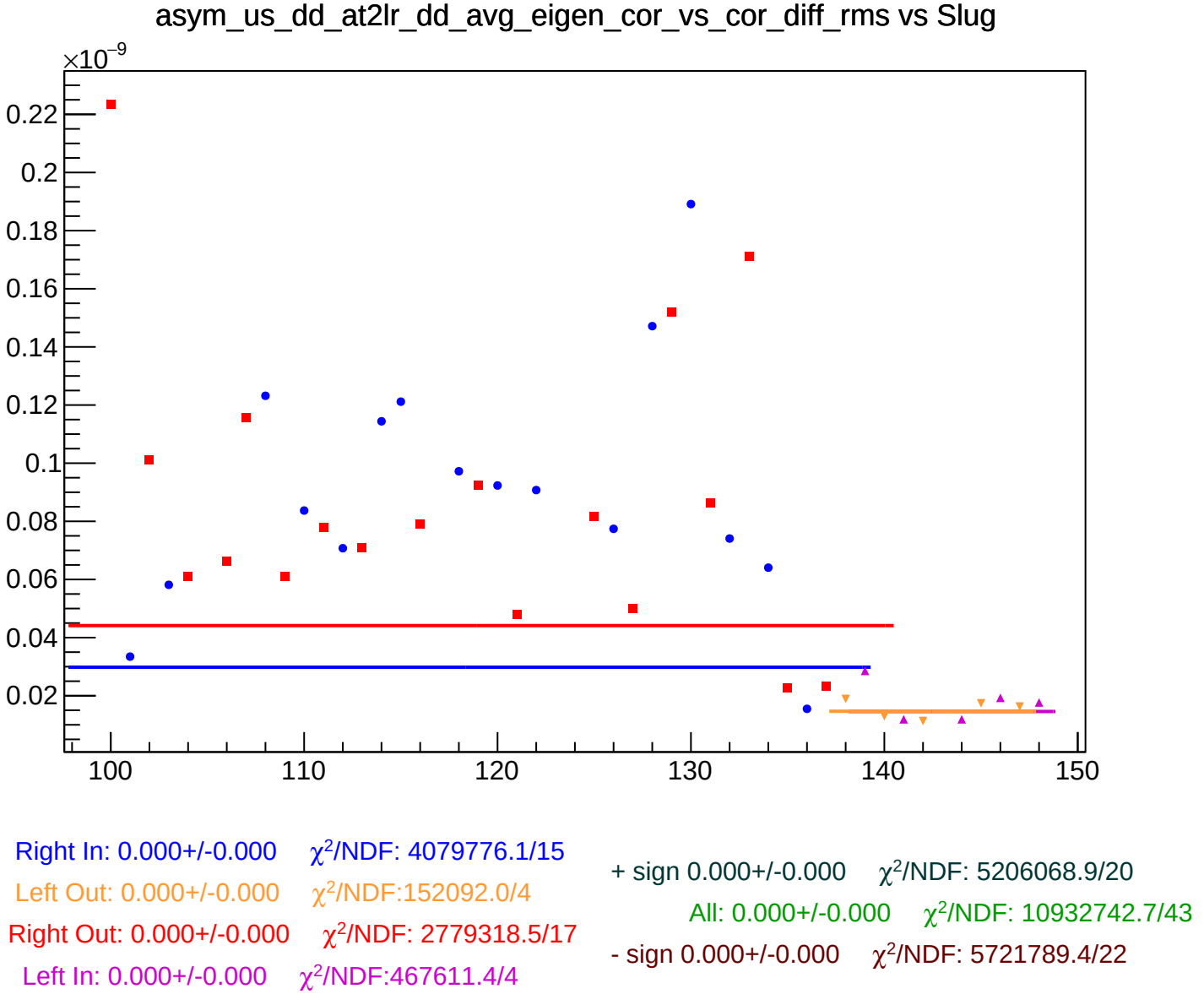
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

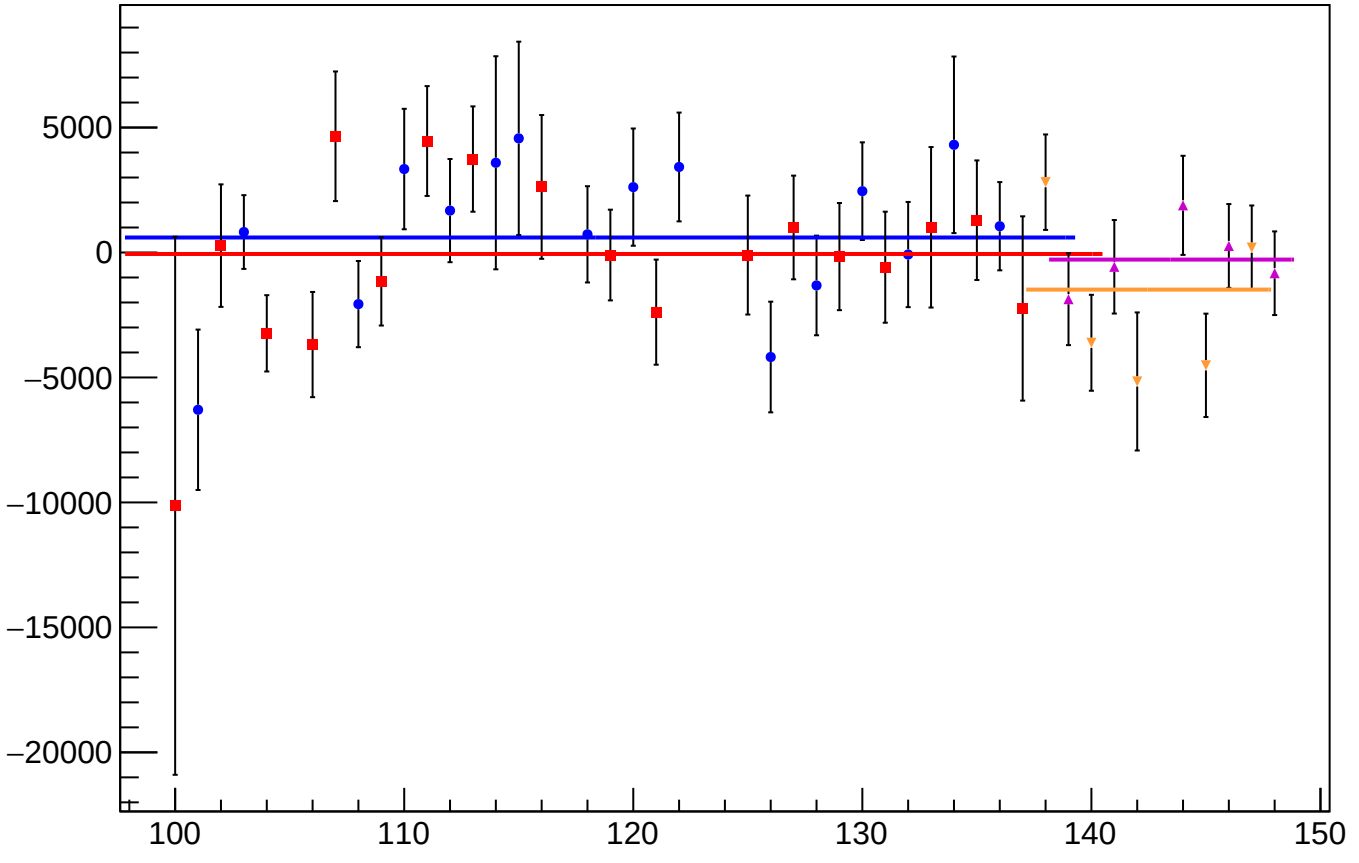
+ sign 0.000+/-0.000 χ^2/NDF: 28.7/20

All: 0.000+/-0.000 χ^2/NDF: 47.0/43

- sign -0.000+/-0.000 χ^2/NDF: 13.4/22


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:152092.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:467611.4/4
+ sign 0.000+/-0.000 χ²/NDF: 5206068.9/20
All: 0.000+/-0.000 χ²/NDF: 10932742.7/43
- sign 0.000+/-0.000 χ²/NDF: 5721789.4/22

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



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

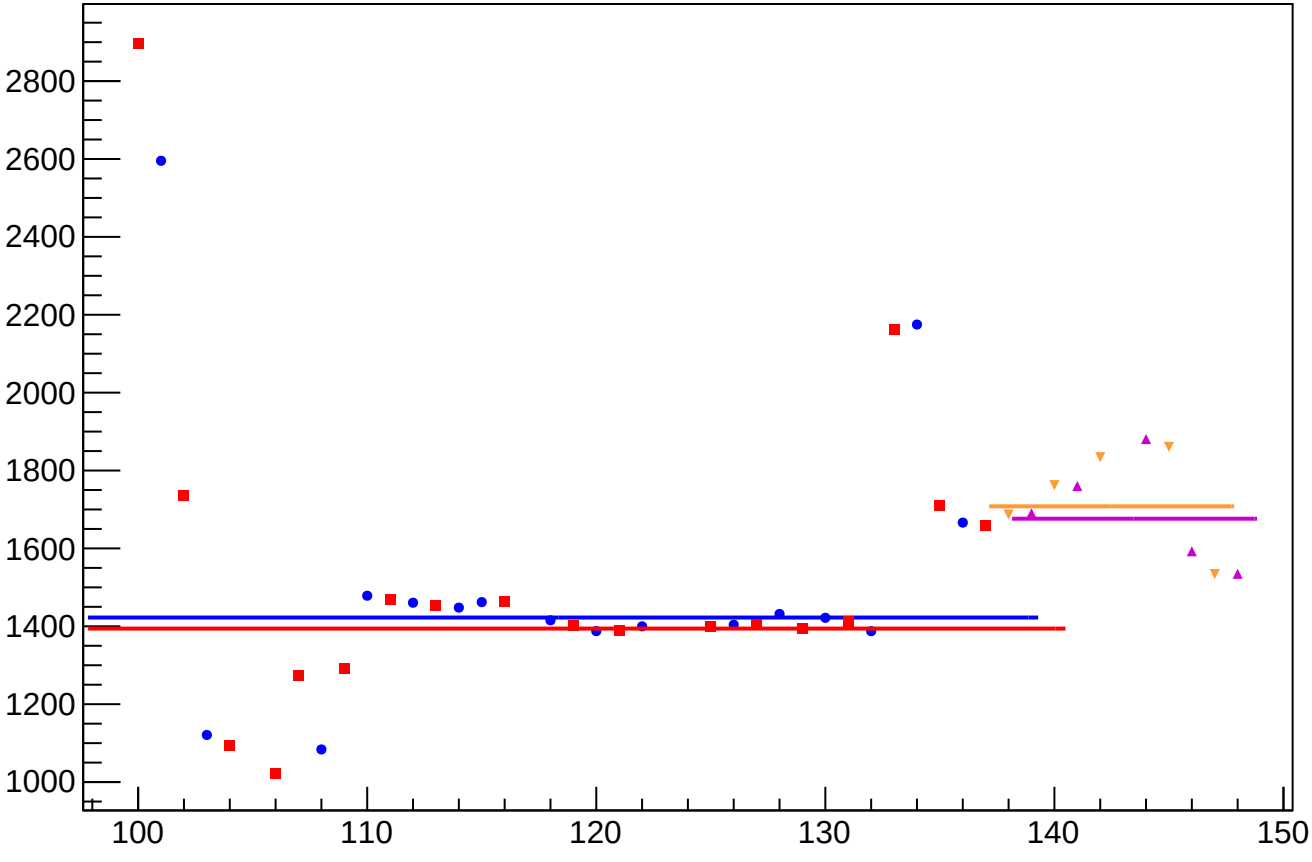
Left In: -283.498+/-803.644 χ^2/NDF:2.2/4

+ sign 39.410+/-461.716 χ^2/NDF: 35.5/20

All: -47.394+/-319.497 χ^2/NDF: 60.4/43

- sign -127.147+/-442.565 χ^2/NDF: 24.8/22

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

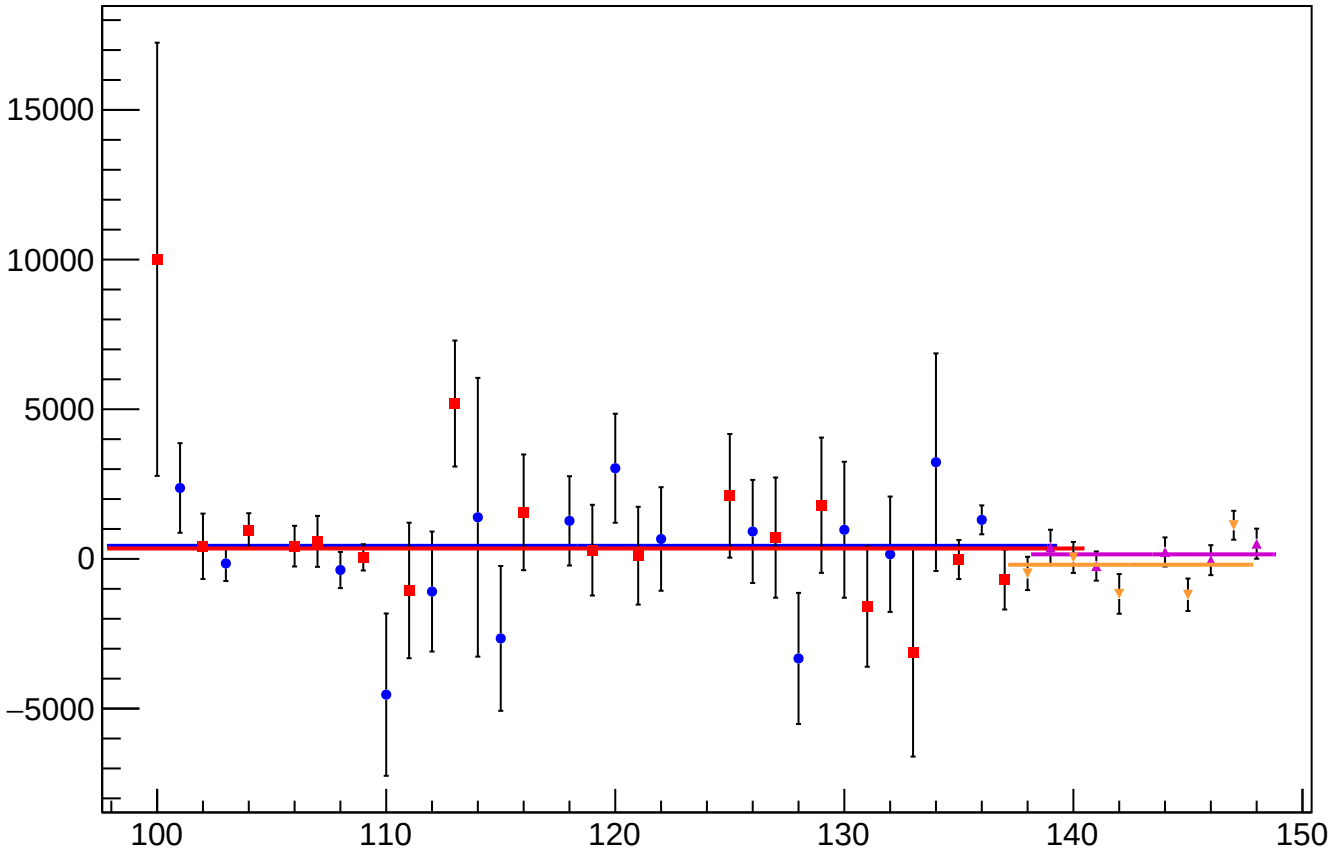
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1499.357+/-0.326 χ^2/NDF: 748934.0/20

All: 1489.129+/-0.226 χ^2/NDF: 1360915.3/43

- sign 1479.733+/-0.313 χ^2/NDF: 610098.3/22



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -194.765+/-243.042 χ^2/NDF:13.5/4

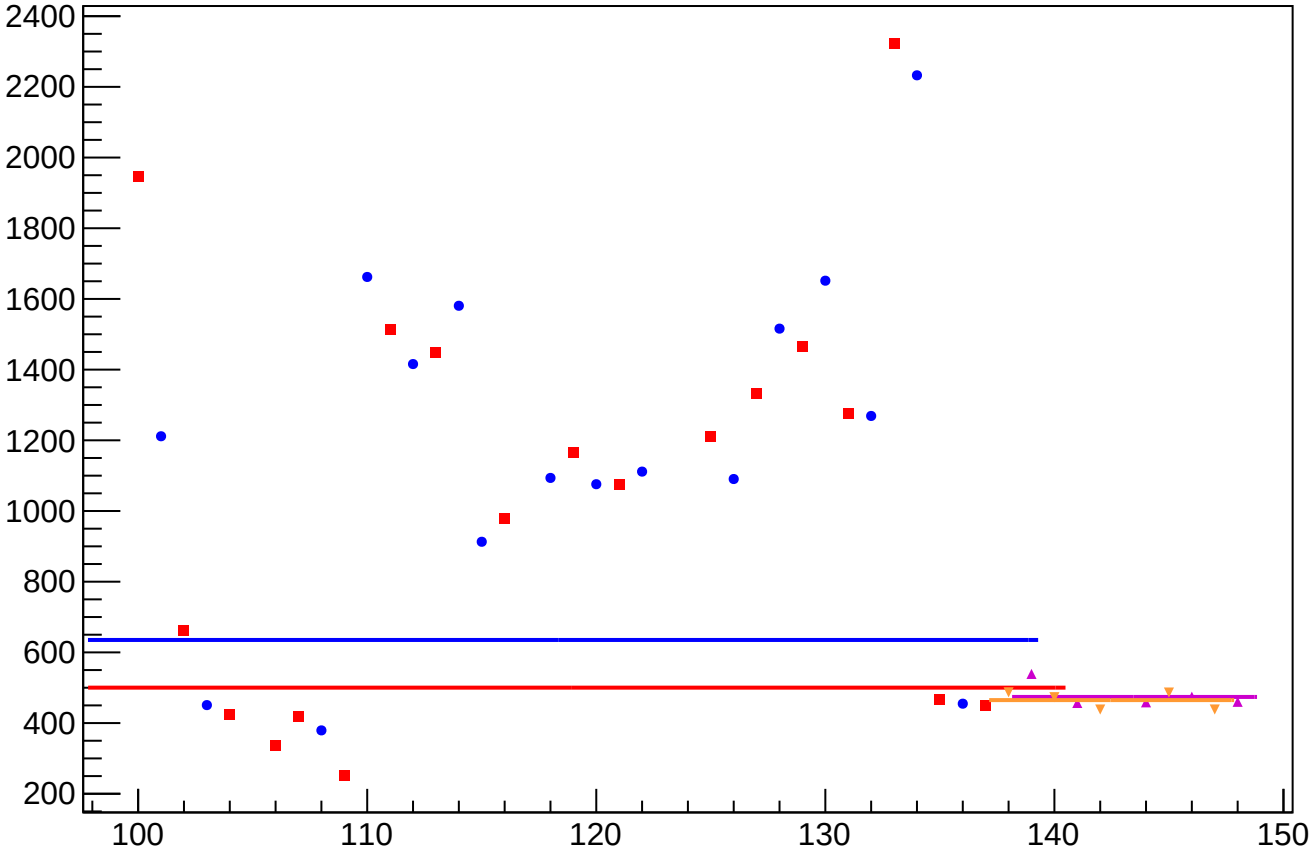
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 152.481+/-227.831 χ^2/NDF:1.5/4

+ sign 81.042+/-182.378 χ^2/NDF: 35.8/20

All: 173.789+/-121.597 χ^2/NDF: 52.1/43

- sign 248.012+/-163.151 χ^2/NDF: 15.8/22



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 464.976+/-0.172 χ^2/NDF:16042.1/4

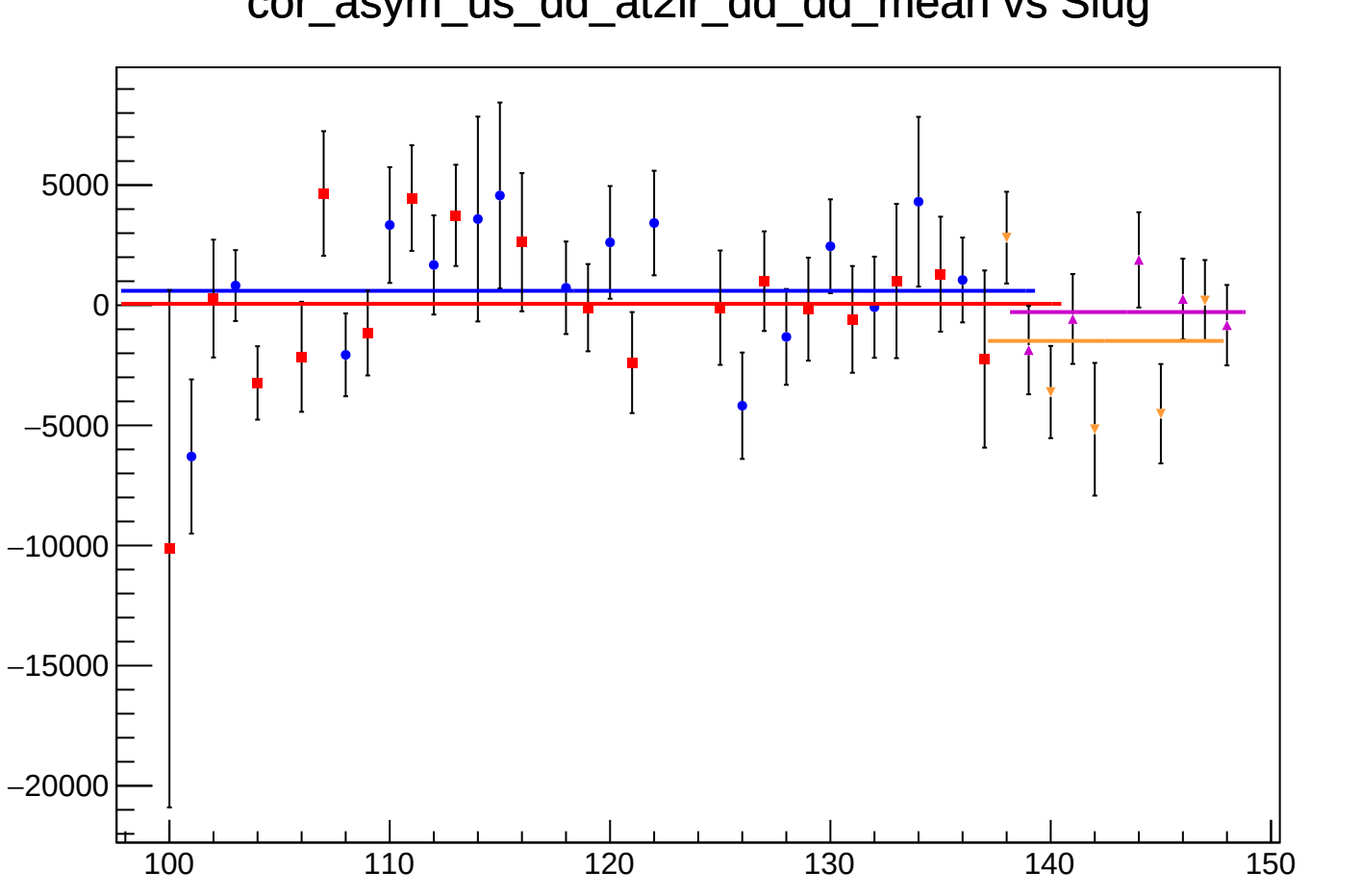
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 473.929+/-0.161 χ^2/NDF:30326.5/4

+ sign 539.319+/-0.129 χ^2/NDF: 4196940.8/20

All: 510.115+/-0.086 χ^2/NDF: 8641674.1/43

- sign 486.743+/-0.115 χ^2/NDF: 4352406.4/22



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

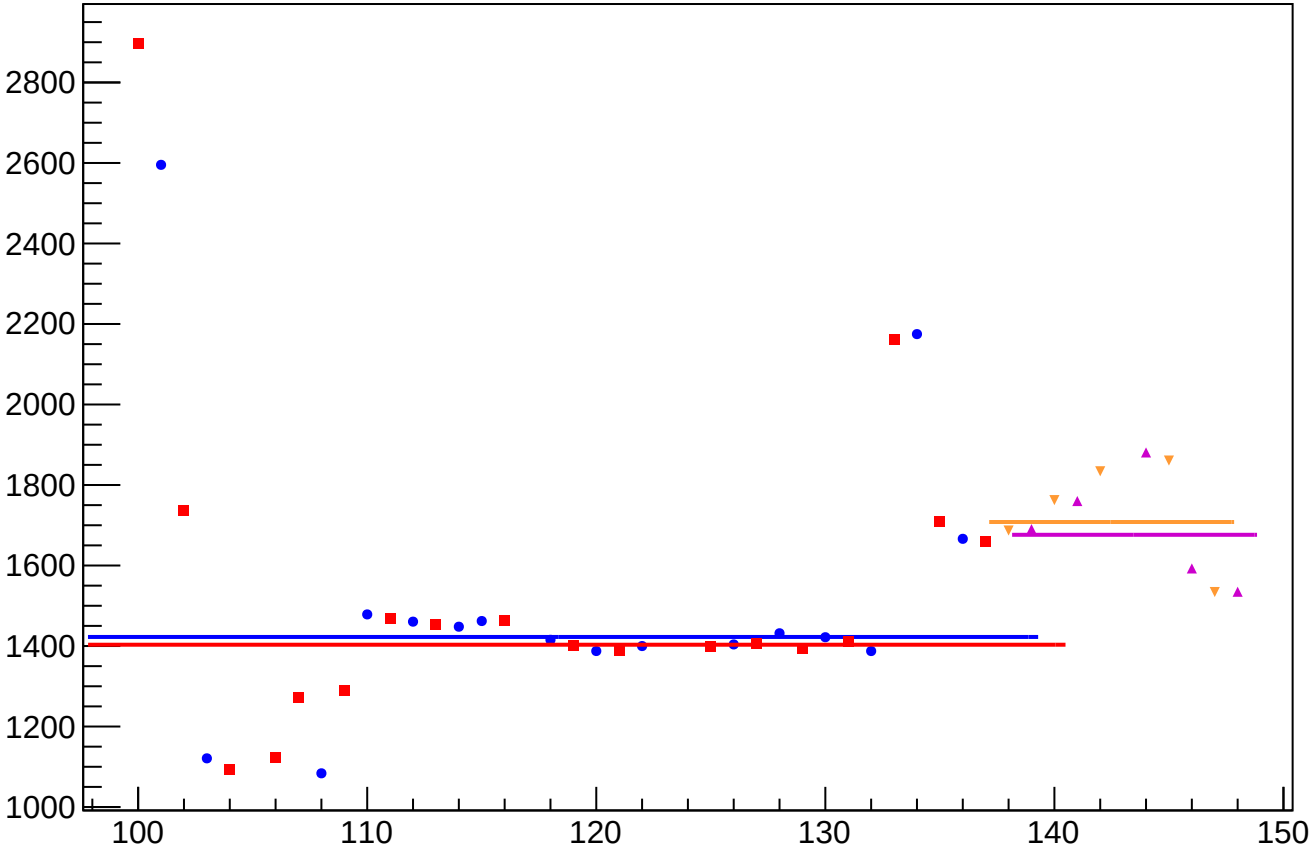
Left In: -283.648+/-803.644 χ^2/NDF:2.2/4

+ sign 39.276+/-461.716 χ^2/NDF: 35.5/20

All: -4.338+/-320.067 χ^2/NDF: 58.2/43

- sign -44.684+/-444.086 χ^2/NDF: 22.7/22

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

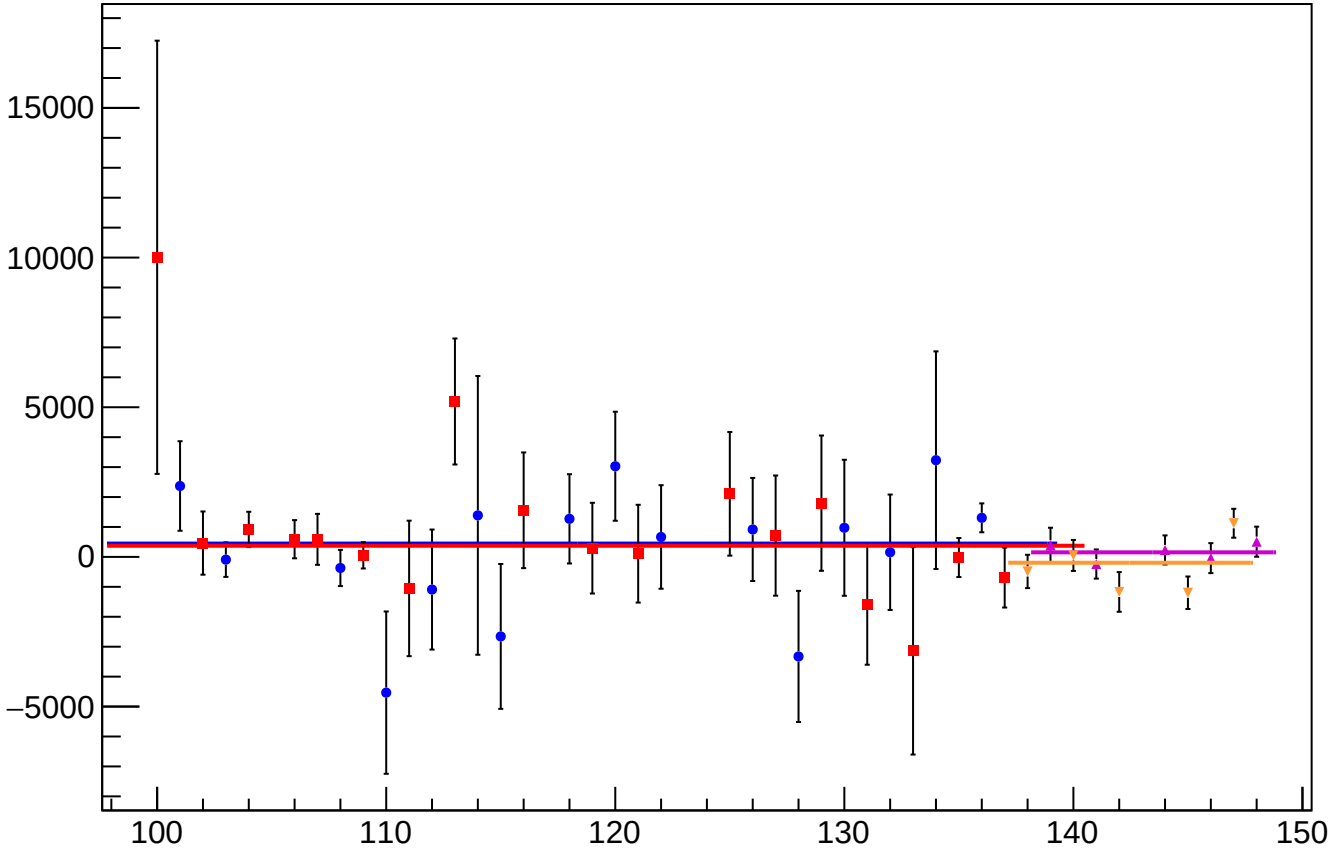
Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1499.357+/-0.326 χ^2/NDF: 748934.4/20

All: 1492.734+/-0.226 χ^2/NDF: 1313950.2/43

- sign 1486.607+/-0.314 χ^2/NDF: 564223.7/22

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

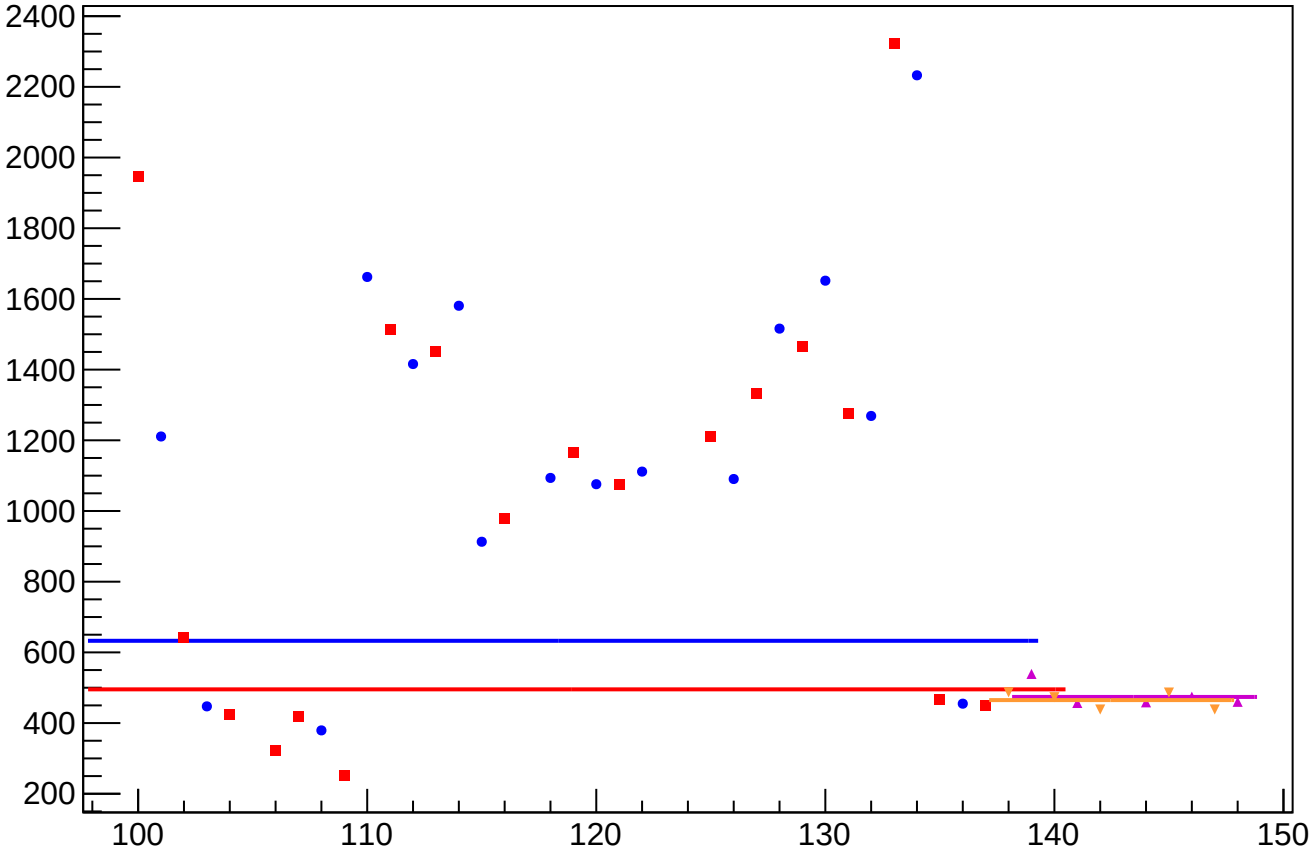
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 152.546+/-227.828 χ^2/NDF:1.5/4

+ sign 86.110+/-182.040 χ^2/NDF: 35.8/20

All: 183.450+/-121.156 χ^2/NDF: 52.2/43

- sign 260.853+/-162.331 χ^2/NDF: 15.9/22



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 464.995+/-0.172 χ^2/NDF:16031.3/4

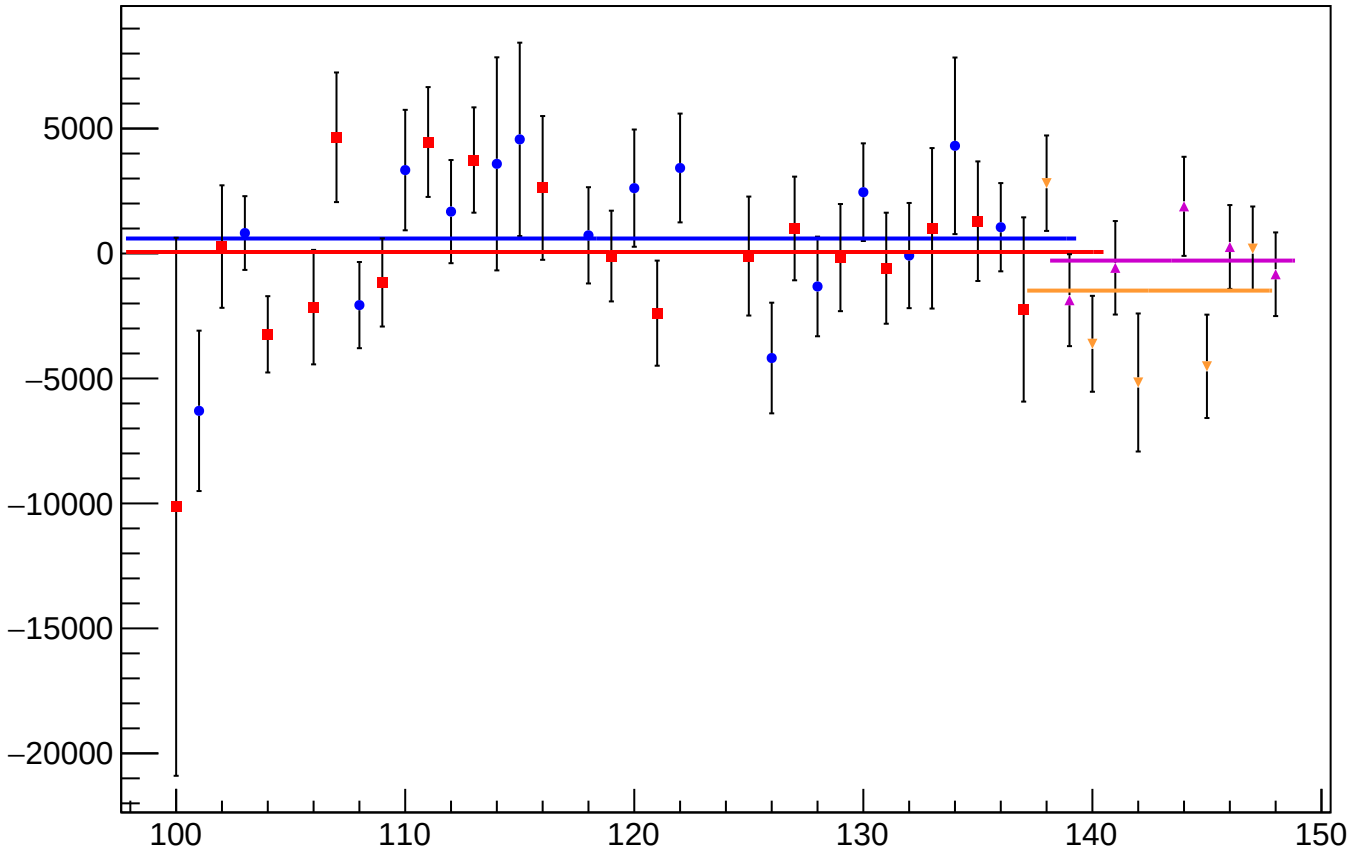
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

+ sign 538.647+/-0.129 χ^2/NDF: 4202069.9/20

All: 508.477+/-0.086 χ^2/NDF: 8677229.2/43

- sign 484.487+/-0.115 χ^2/NDF: 4376545.1/22



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

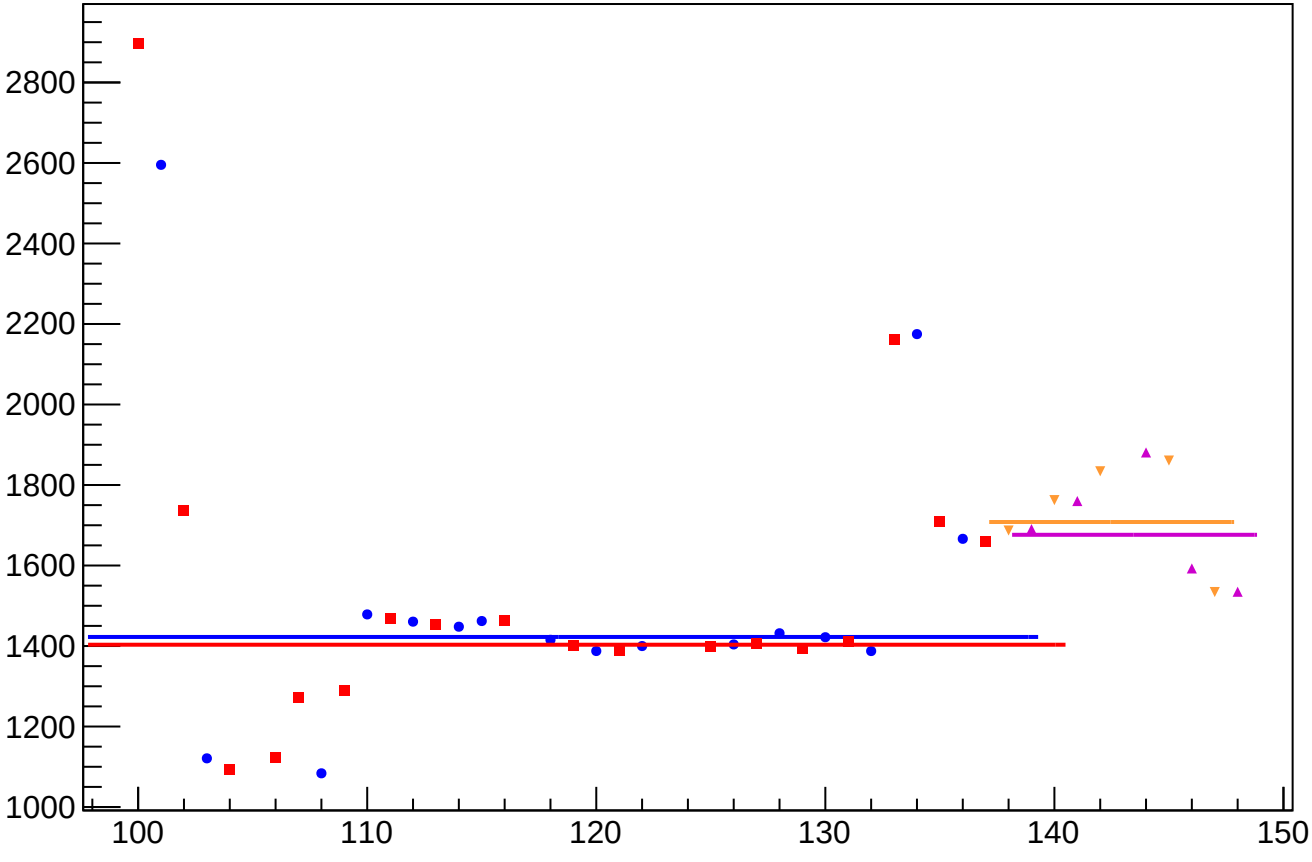
Left In: -283.648+/-803.644 χ^2/NDF:2.2/4

+ sign 39.276+/-461.716 χ^2/NDF: 35.5/20

All: -4.338+/-320.067 χ^2/NDF: 58.2/43

- sign -44.684+/-444.086 χ^2/NDF: 22.7/22

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

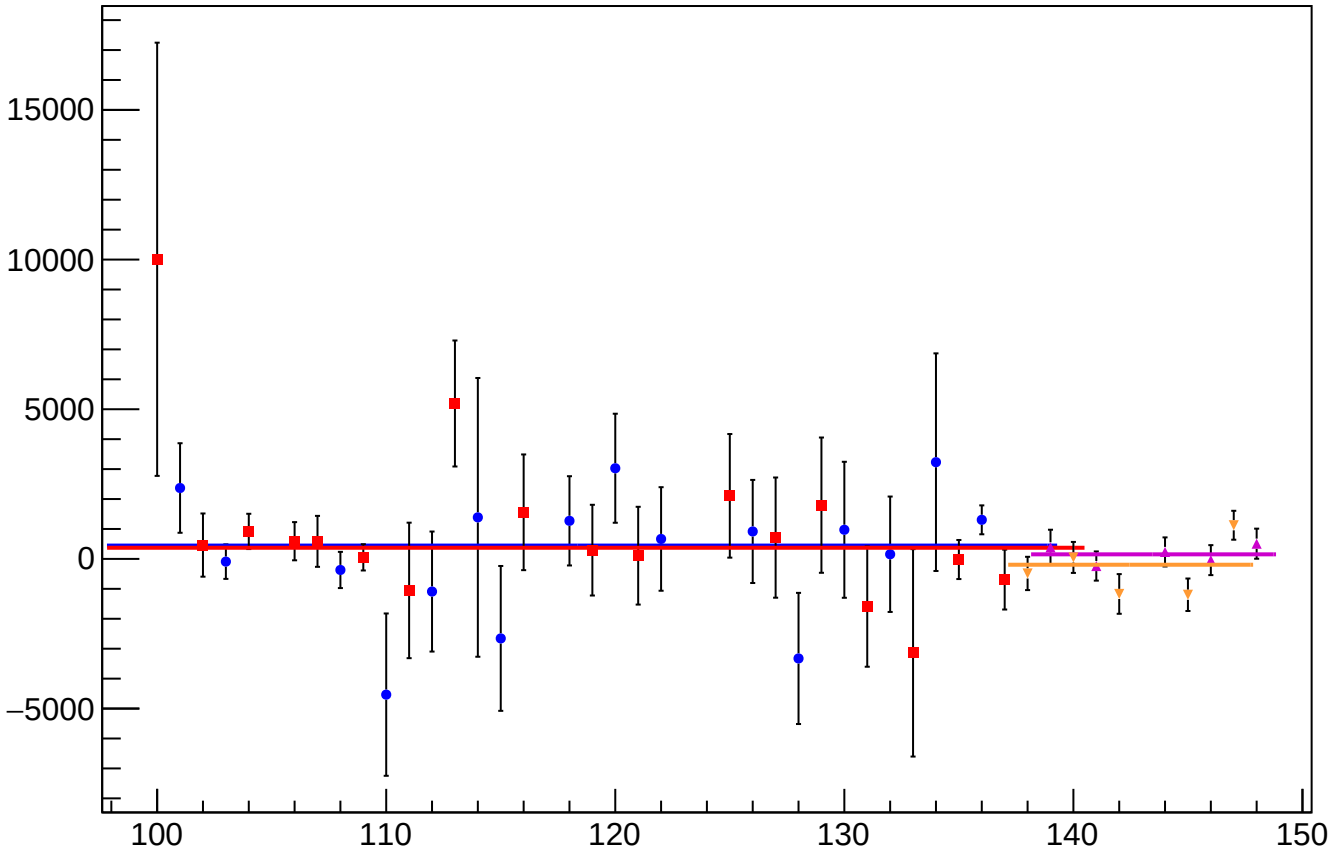
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1499.357+/-0.326 χ^2/NDF: 748934.4/20

All: 1492.734+/-0.226 χ^2/NDF: 1313950.2/43

- sign 1486.607+/-0.314 χ^2/NDF: 564223.7/22



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

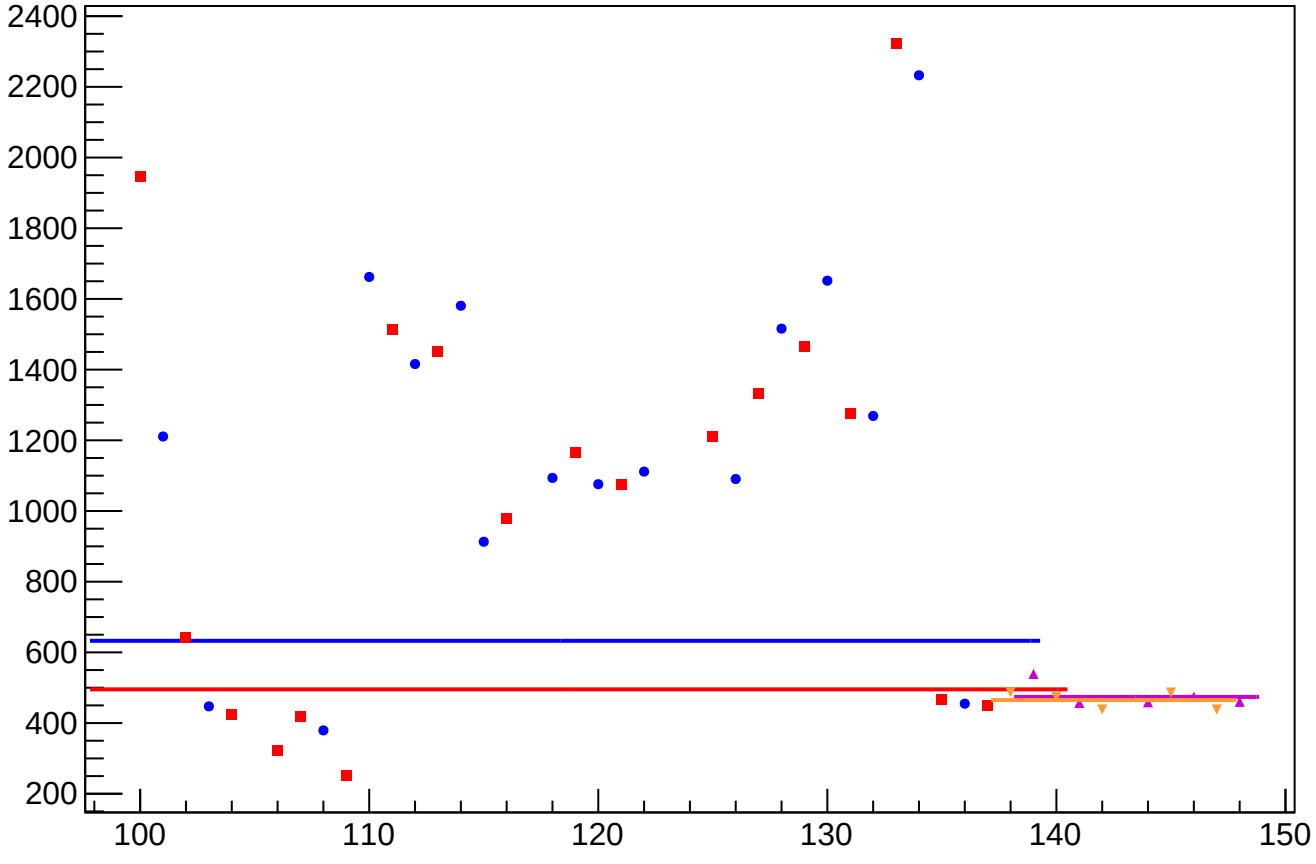
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 152.546+/-227.828 χ^2/NDF:1.5/4

\+ sign 86.110+/-182.040 χ^2/NDF: 35.8/20

All: 183.450+/-121.156 χ^2/NDF: 52.2/43

\- sign 260.853+/-162.331 χ^2/NDF: 15.9/22



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 464.995+/-0.172 χ^2/NDF:16031.3/4

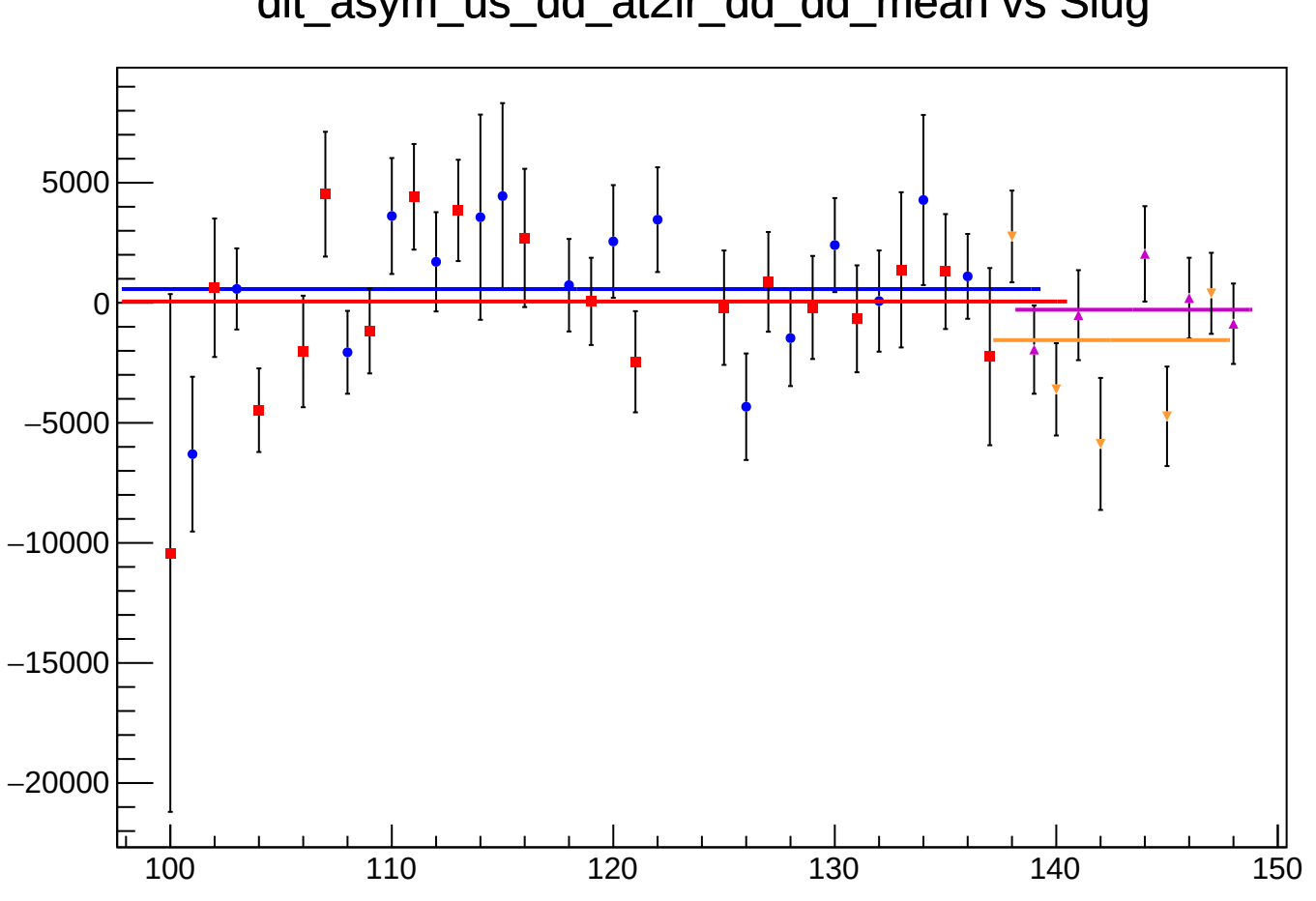
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

+ sign 538.647+/-0.129 χ^2/NDF: 4202069.9/20

All: 508.477+/-0.086 χ^2/NDF: 8677229.2/43

- sign 484.487+/-0.115 χ^2/NDF: 4376545.1/22



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

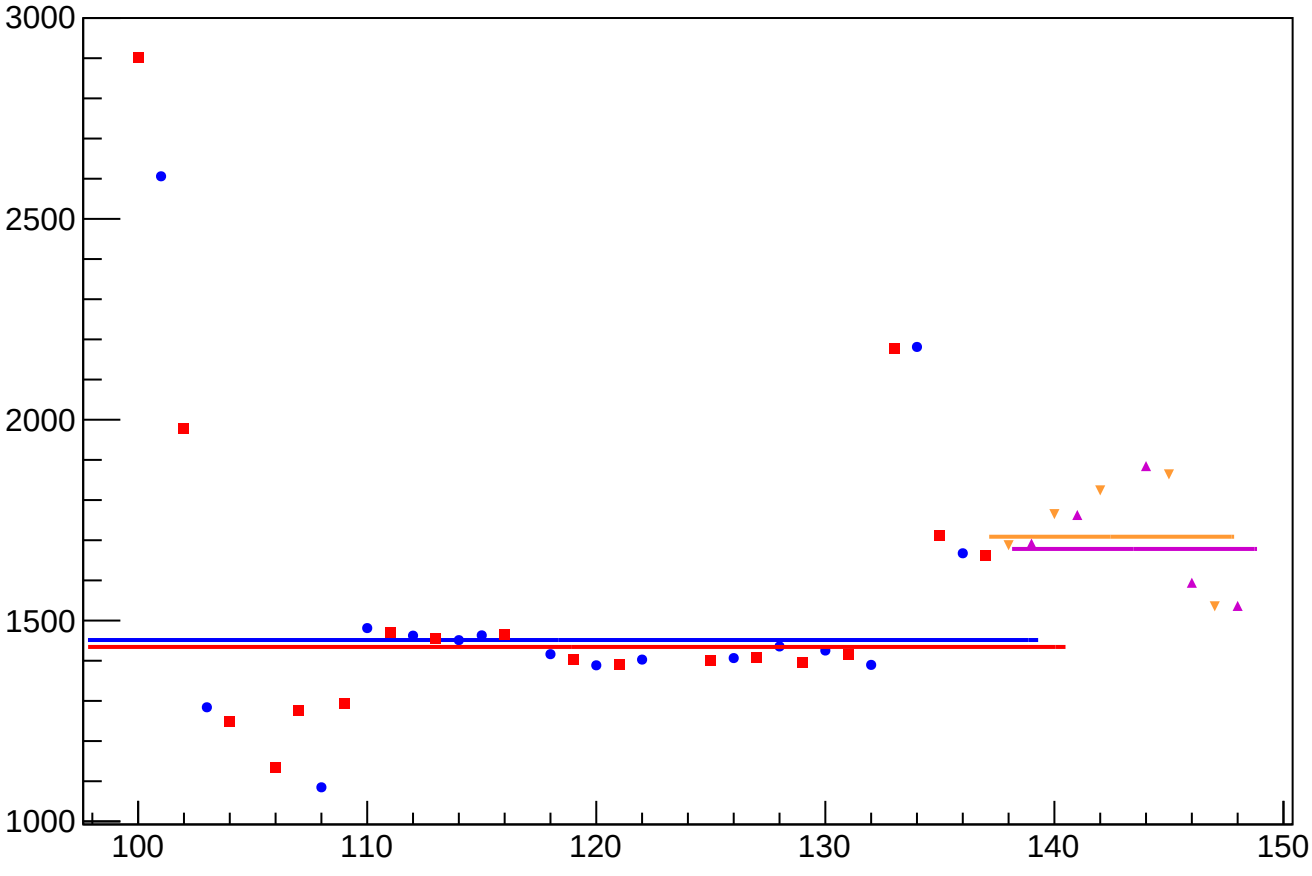
Left In: -288.417+/-804.634 χ^2/NDF:2.4/4

+ sign -14.152+/-467.726 χ^2/NDF: 37.3/20

All: -34.757+/-324.819 χ^2/NDF: 62.4/43

- sign -53.951+/-451.435 χ^2/NDF: 25.0/22

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

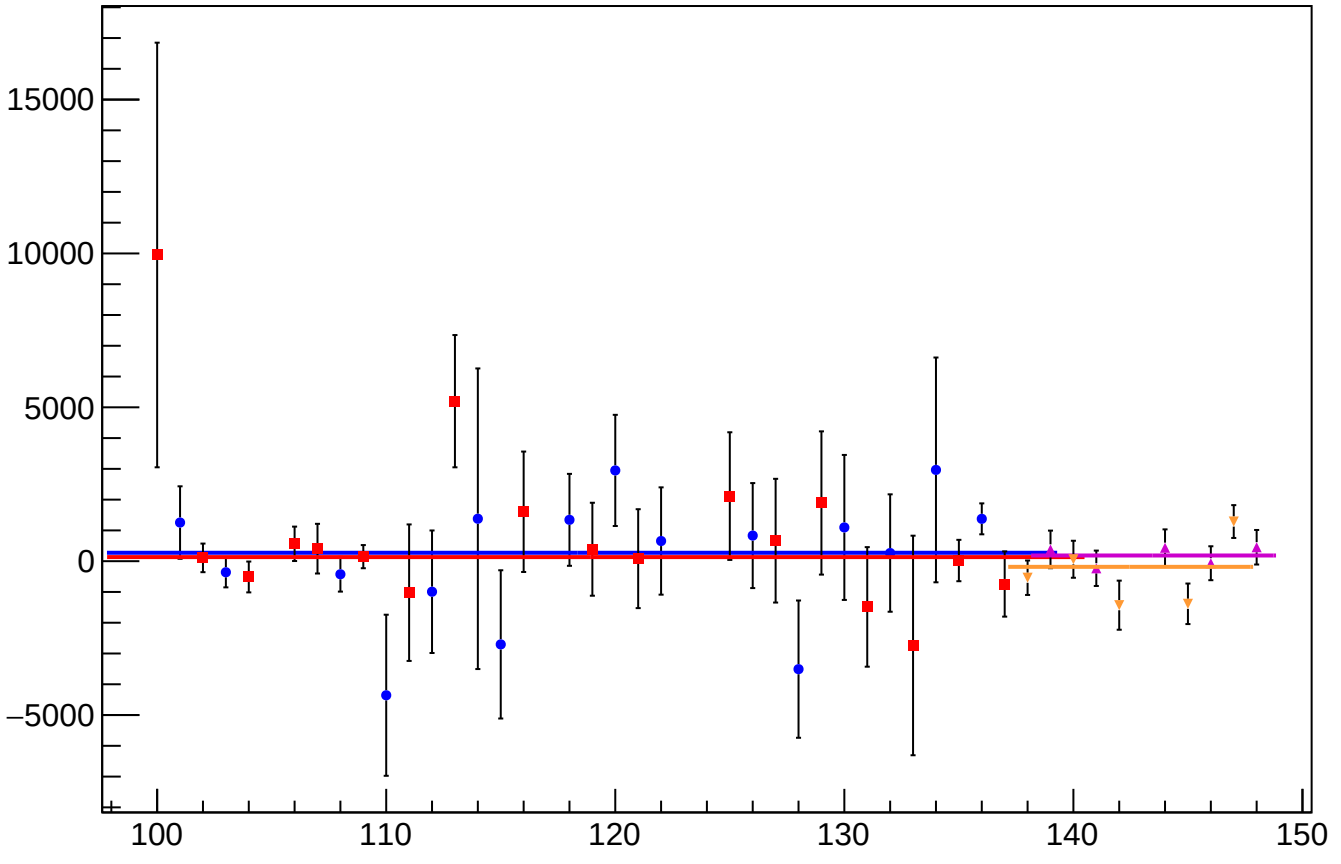
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.4/4

+ sign 1522.515+/-0.331 χ^2/NDF: 646376.2/20

All: 1516.616+/-0.230 χ^2/NDF: 1146690.6/43

- sign 1511.121+/-0.319 χ^2/NDF: 499700.0/22



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -184.123+/-273.726 χ^2/NDF:13.9/4

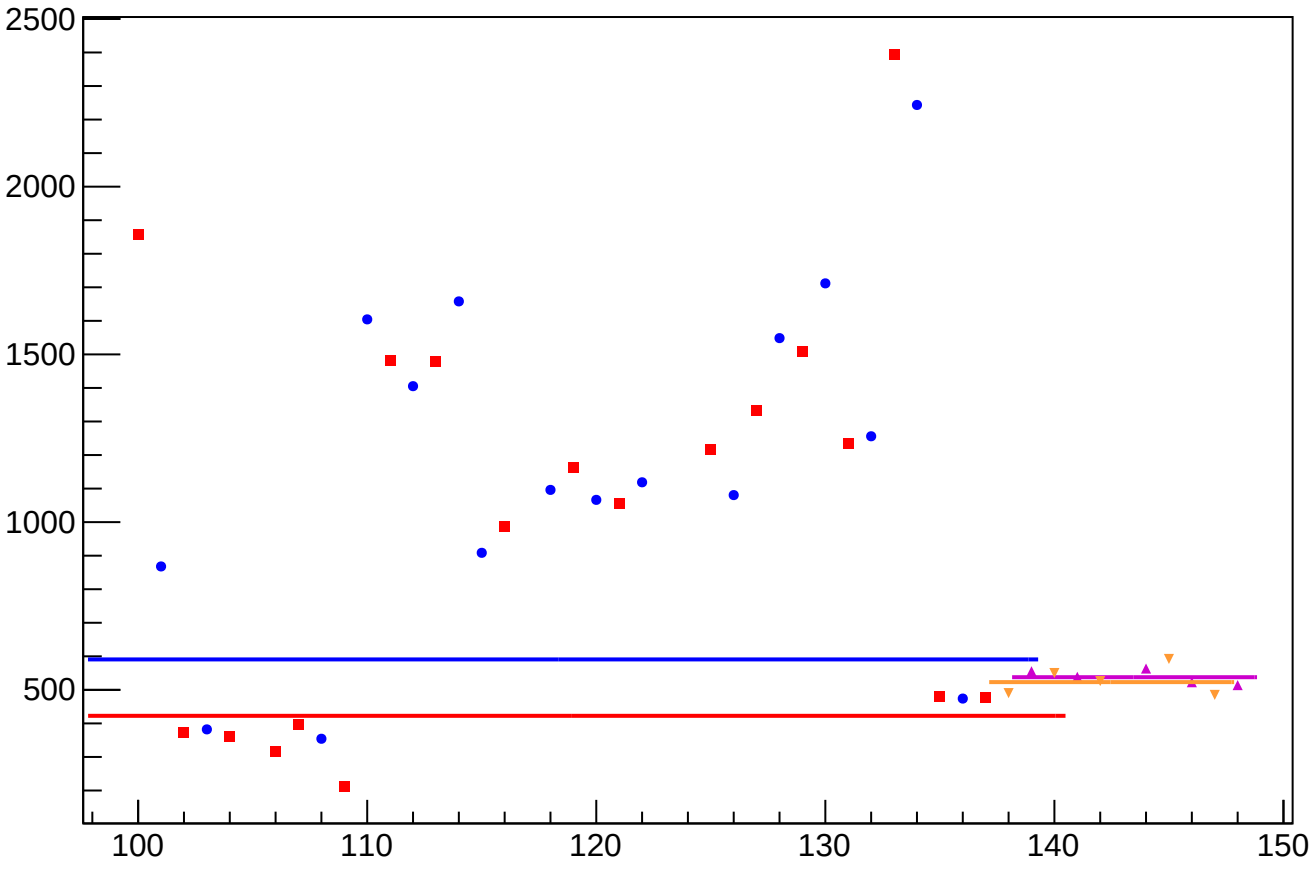
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 184.814+/-258.356 χ^2/NDF:1.2/4

\+ sign 55.947+/-188.718 χ^2/NDF: 35.6/20

All: 112.765+/-120.291 χ^2/NDF: 51.5/43

\- sign 151.648+/-156.116 χ^2/NDF: 15.7/22



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 523.124+/-0.194 χ^2/NDF:43152.0/4

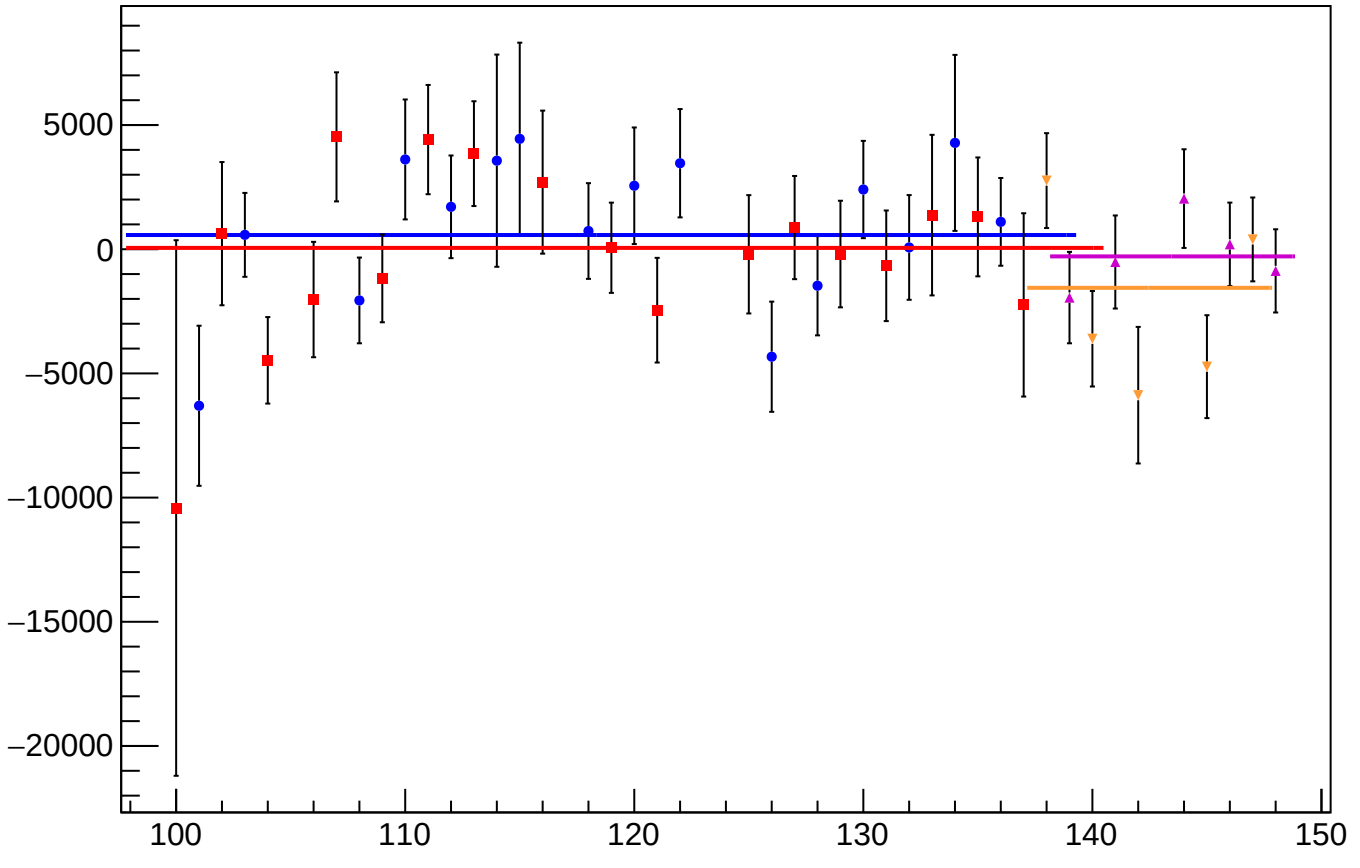
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 537.745+/-0.183 χ^2/NDF:10435.3/4

+ sign 558.605+/-0.133 χ^2/NDF: 3992701.7/20

All: 502.830+/-0.085 χ^2/NDF: 9407474.5/43

- sign 464.662+/-0.110 χ^2/NDF: 5120532.7/22



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

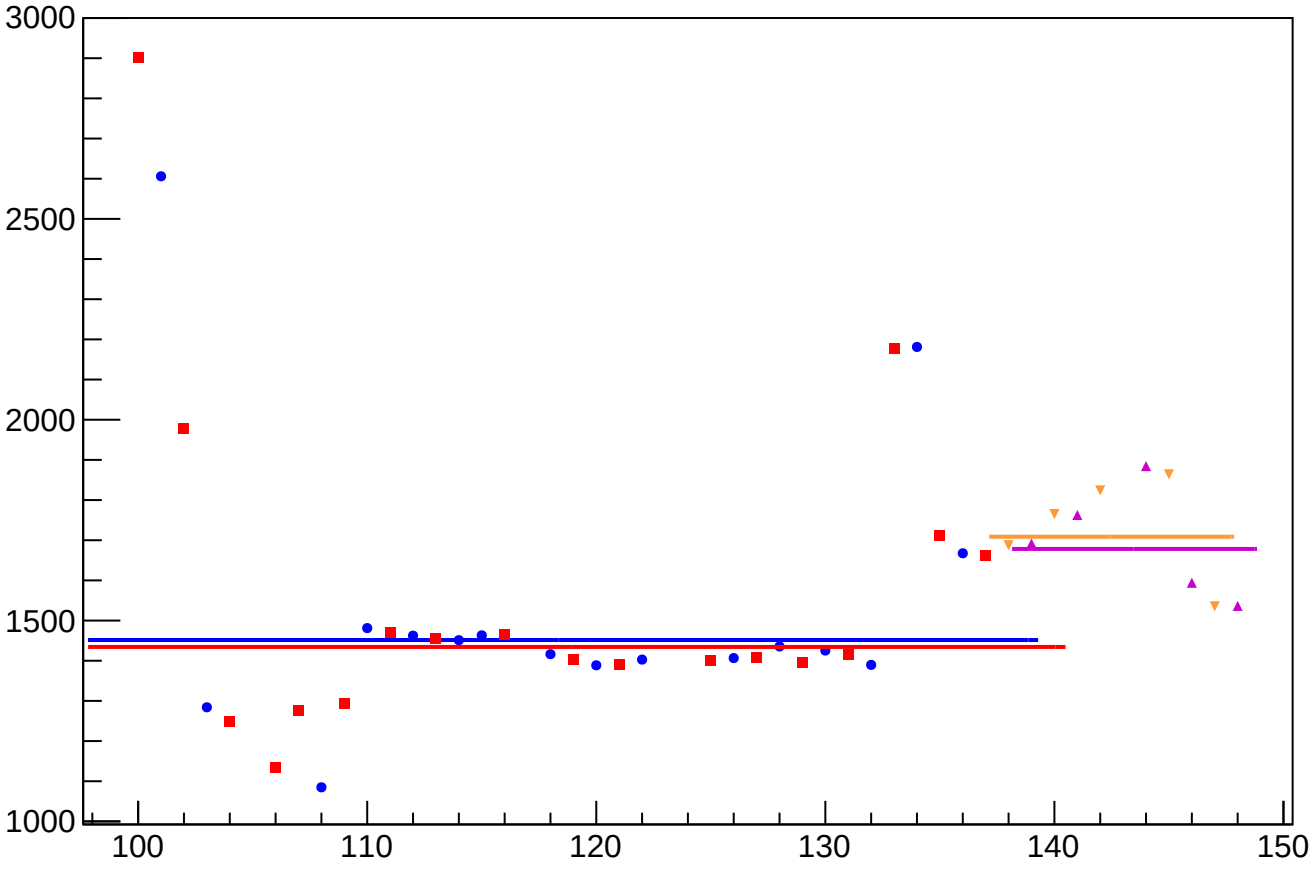
Left In: -288.411+/-804.634 χ^2/NDF:2.4/4

+ sign -14.154+/-467.726 χ^2/NDF: 37.3/20

All: -34.757+/-324.819 χ^2/NDF: 62.4/43

- sign -53.951+/-451.435 χ^2/NDF: 25.0/22

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.3/4

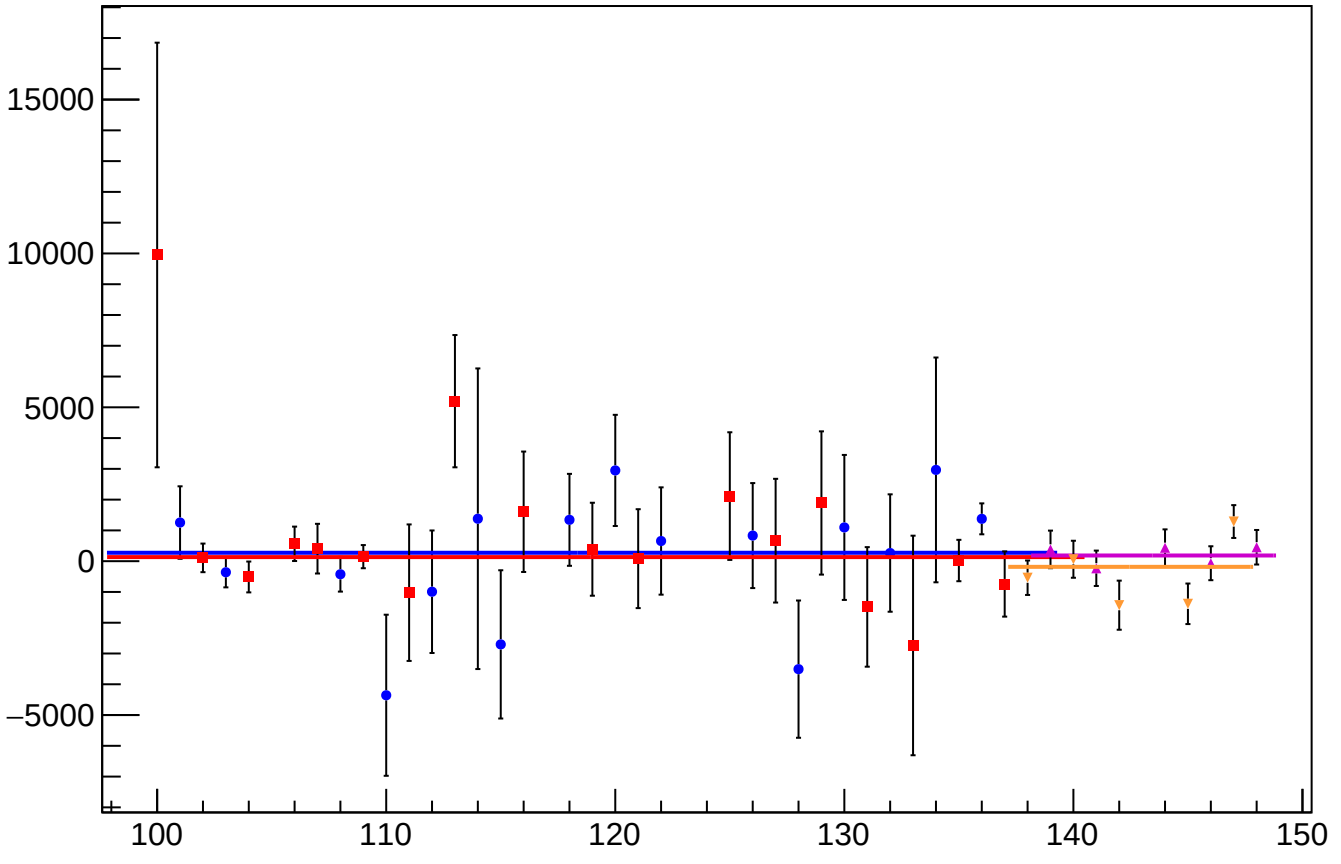
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.6/4

+ sign 1522.515+/-0.331 χ^2/NDF: 646375.9/20

All: 1516.616+/-0.230 χ^2/NDF: 1146690.6/43

- sign 1511.121+/-0.319 χ^2/NDF: 499700.3/22



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -184.113+/-273.730 χ^2/NDF:13.9/4

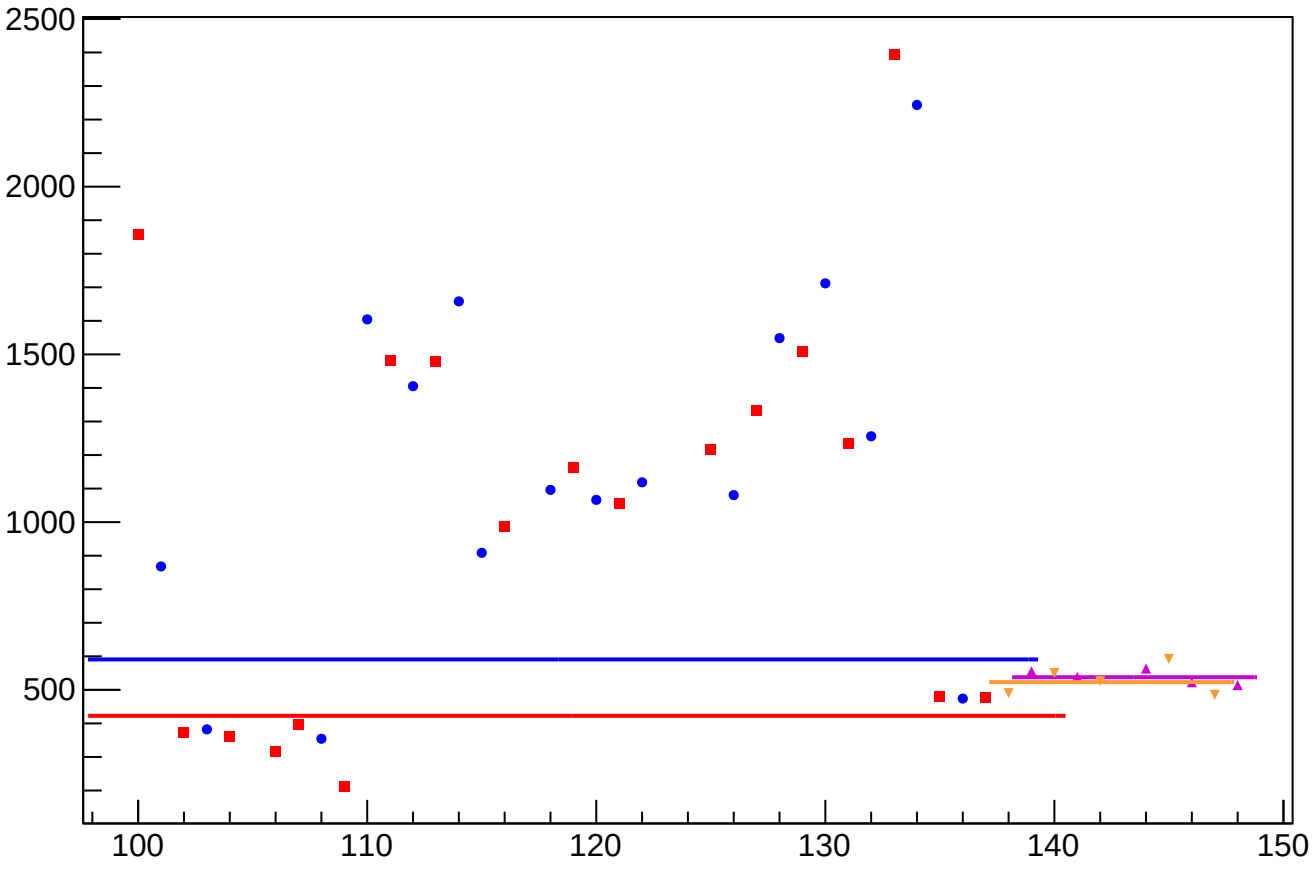
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 184.821+/-258.358 χ^2/NDF:1.2/4

\+ sign 55.950+/-188.719 χ^2/NDF: 35.6/20

All: 112.766+/-120.292 χ^2/NDF: 51.5/43

\- sign 151.647+/-156.117 χ^2/NDF: 15.7/22



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 523.131+/-0.194 χ^2/NDF:43149.7/4

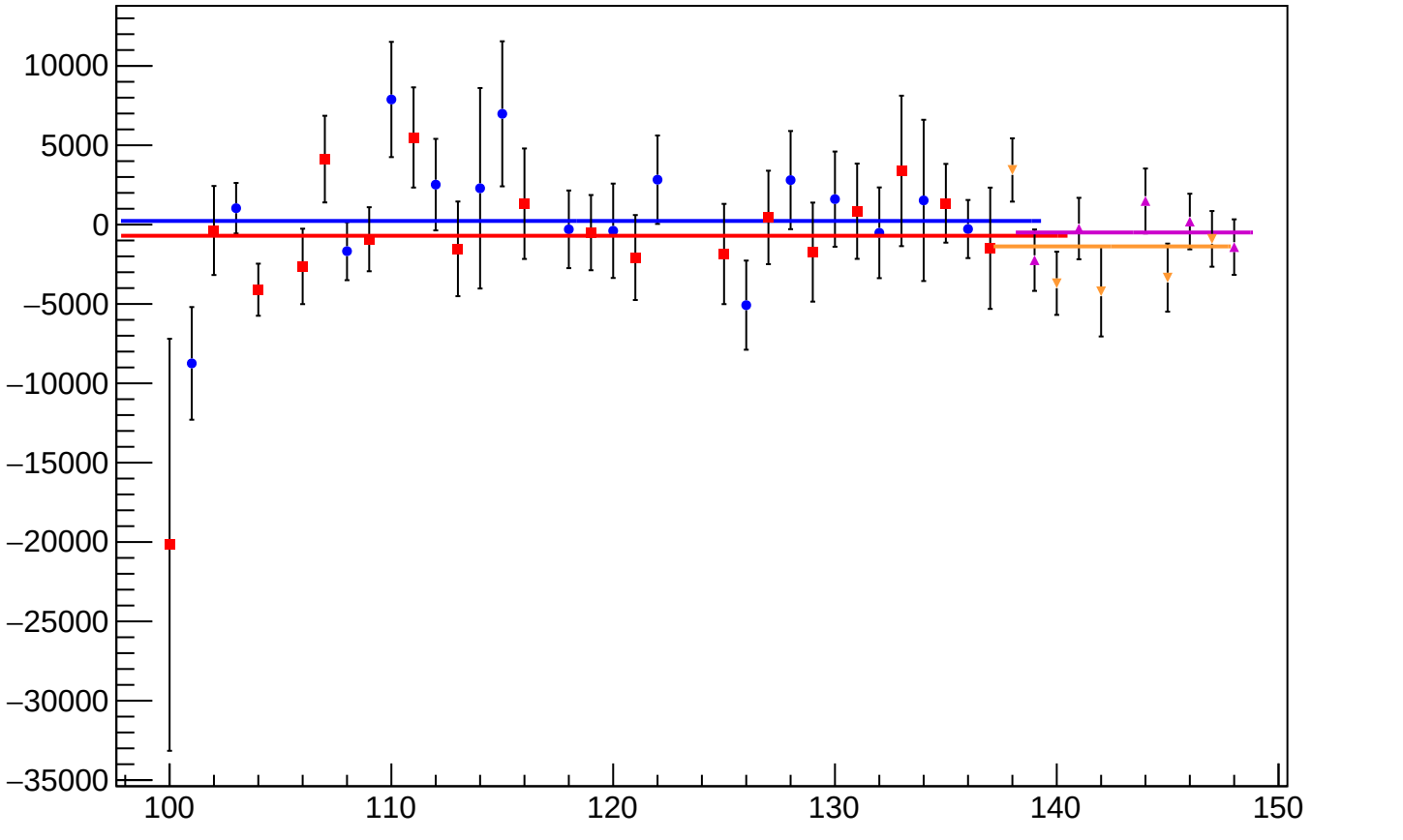
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 537.747+/-0.183 χ^2/NDF:10444.9/4

+ sign 558.608+/-0.133 χ^2/NDF: 3992709.5/20

All: 502.834+/-0.085 χ^2/NDF: 9407380.0/43

- sign 464.666+/-0.110 χ^2/NDF: 5120442.9/22



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

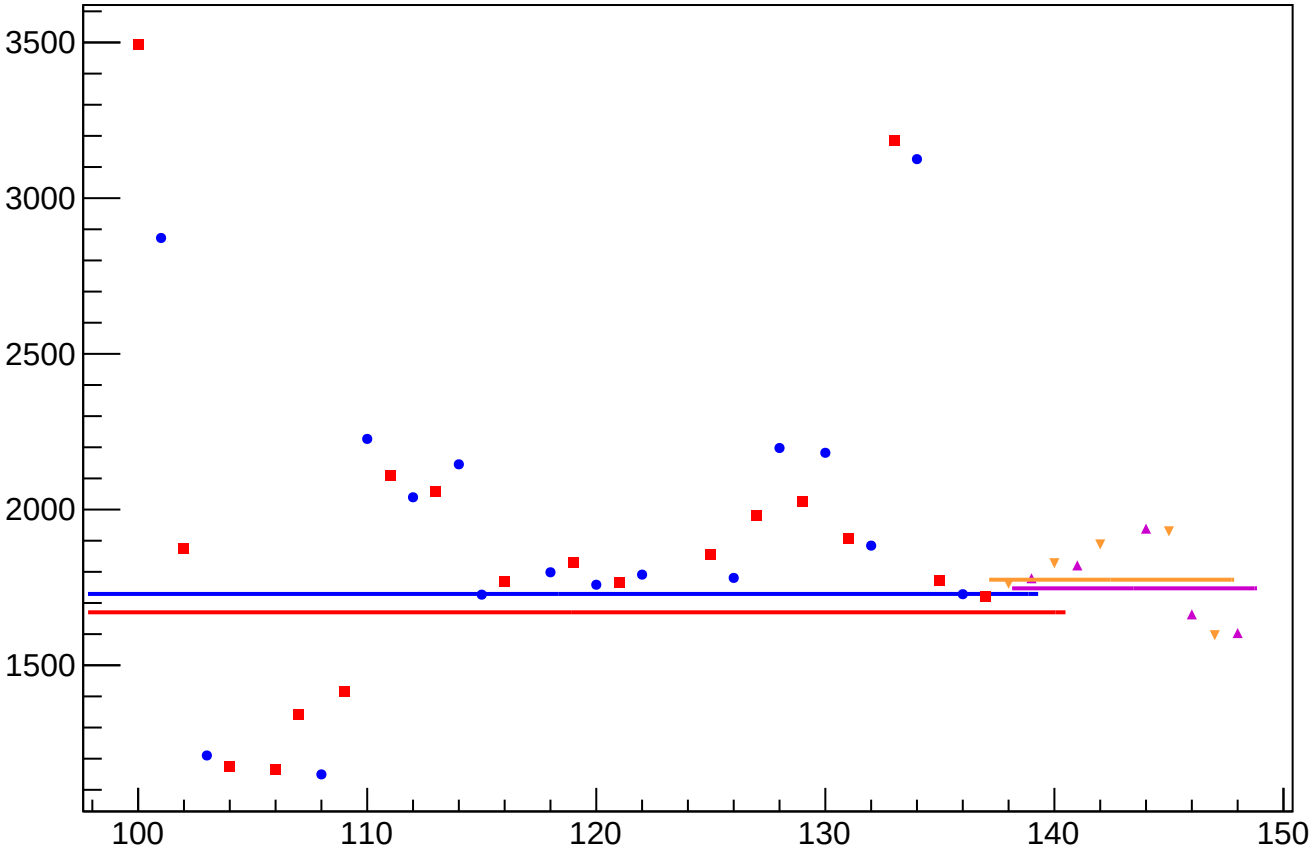
Left In: -495.576+/-837.287 χ^2/NDF:2.2/4

+ sign -317.372+/-540.527 χ^2/NDF: 31.8/20

All: -479.226+/-371.949 χ^2/NDF: 51.3/43

- sign -624.795+/-512.613 χ^2/NDF: 19.3/22

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

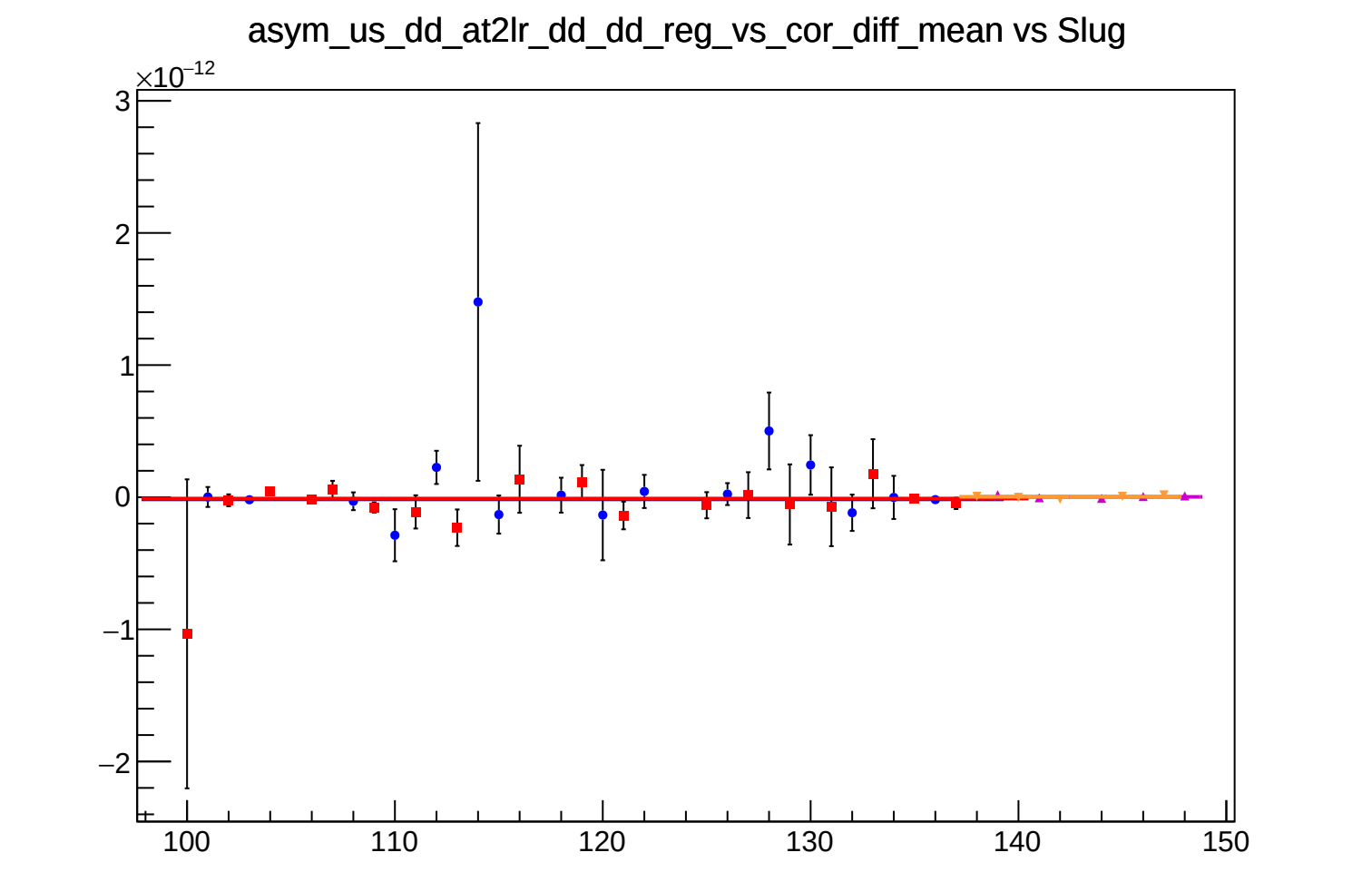
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1747.042+/-0.592 χ^2/NDF:39087.6/4

+ sign 1744.664+/-0.382 χ^2/NDF: 981095.7/20

All: 1720.576+/-0.263 χ^2/NDF: 1782750.1/43

- sign 1698.913+/-0.362 χ^2/NDF: 794110.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

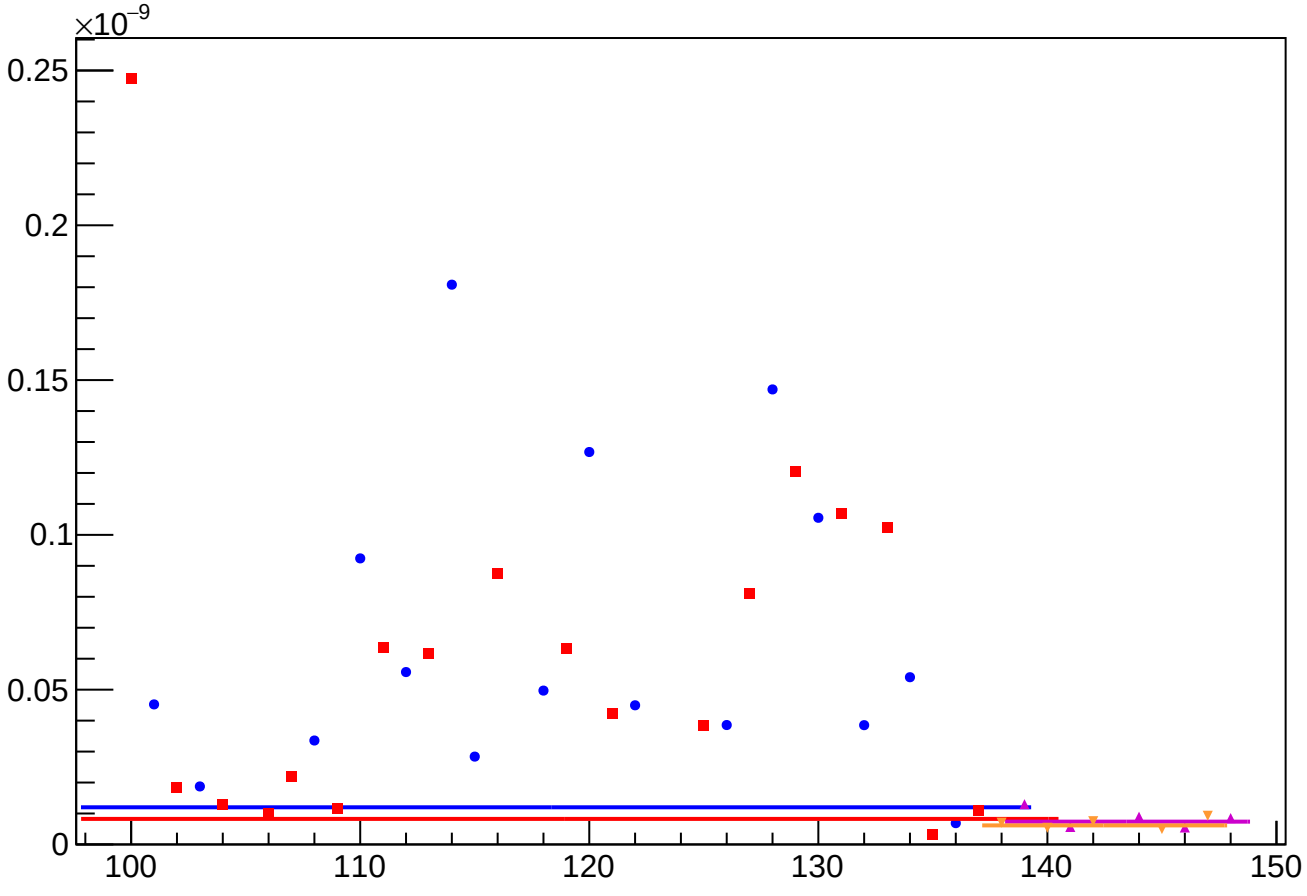
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.3/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/43

- sign -0.000+/-0.000 χ^2/NDF: 20.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:139494.3/4

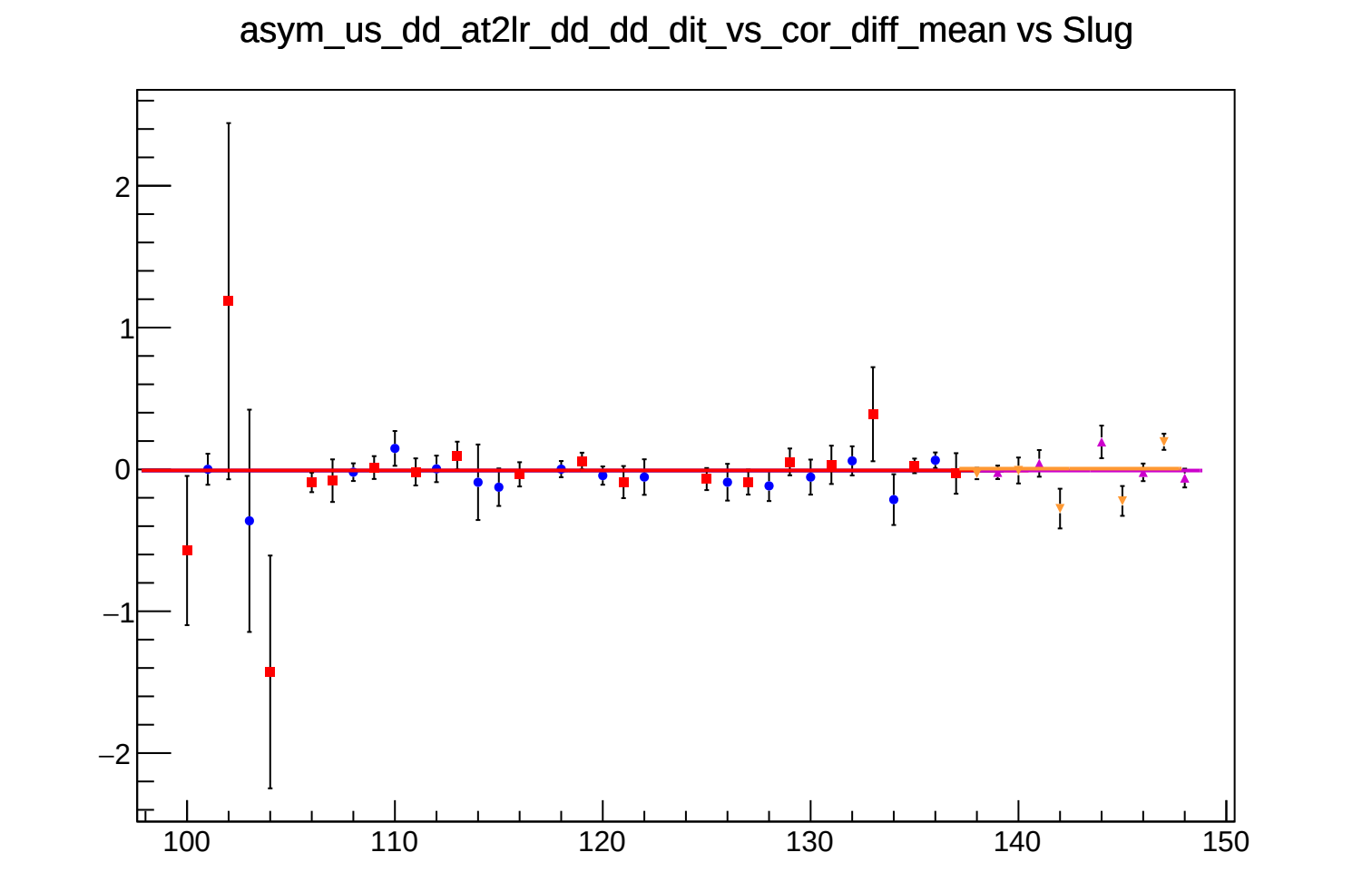
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:371857.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 4078425.6/20

All: 0.000+/-0.000 χ^2/NDF: 7977640.4/43

- sign 0.000+/-0.000 χ^2/NDF: 3896799.0/22



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

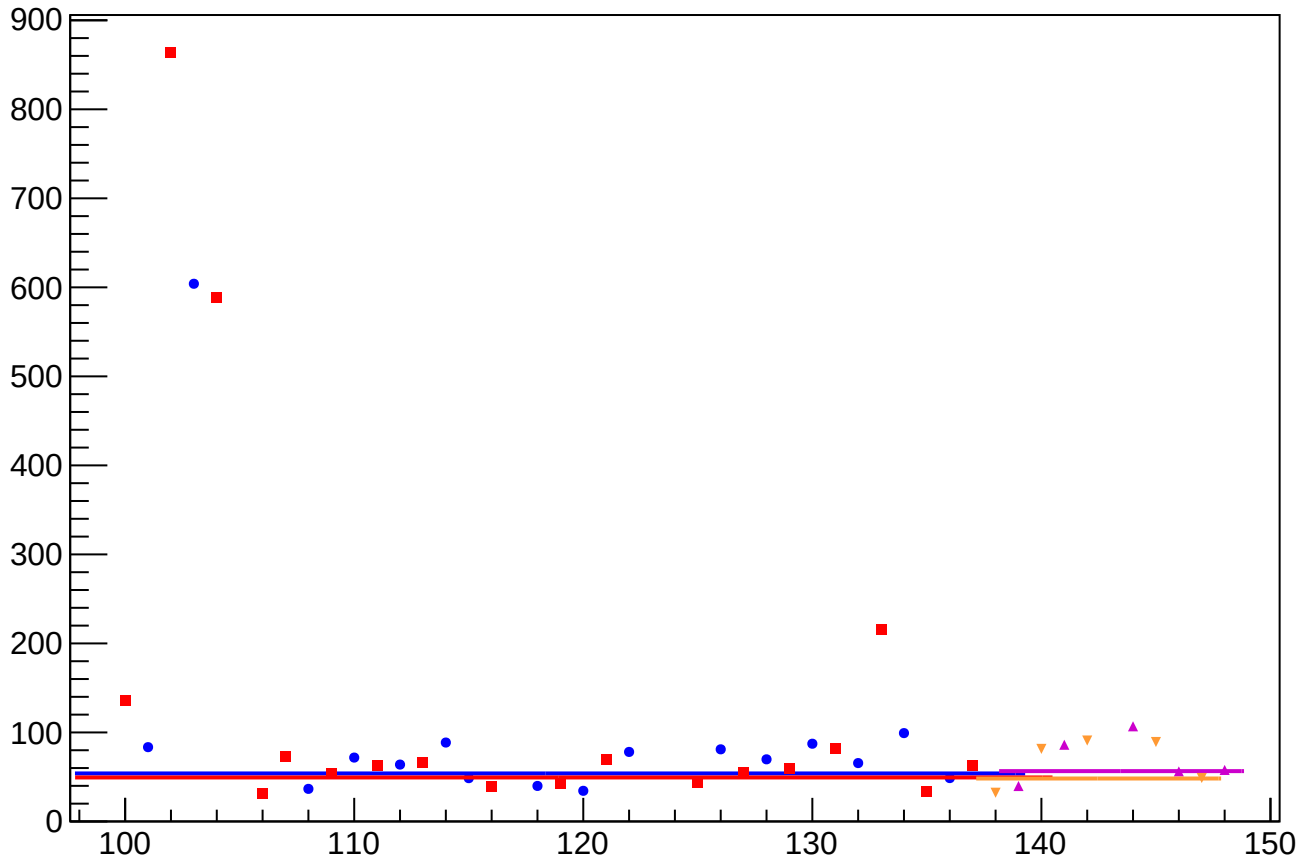
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.005+/-0.013 χ^2/NDF: 46.8/43

- sign -0.007+/-0.018 χ^2/NDF: 17.8/22



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.252+/-0.020 χ^2/NDF:1074849.3/4

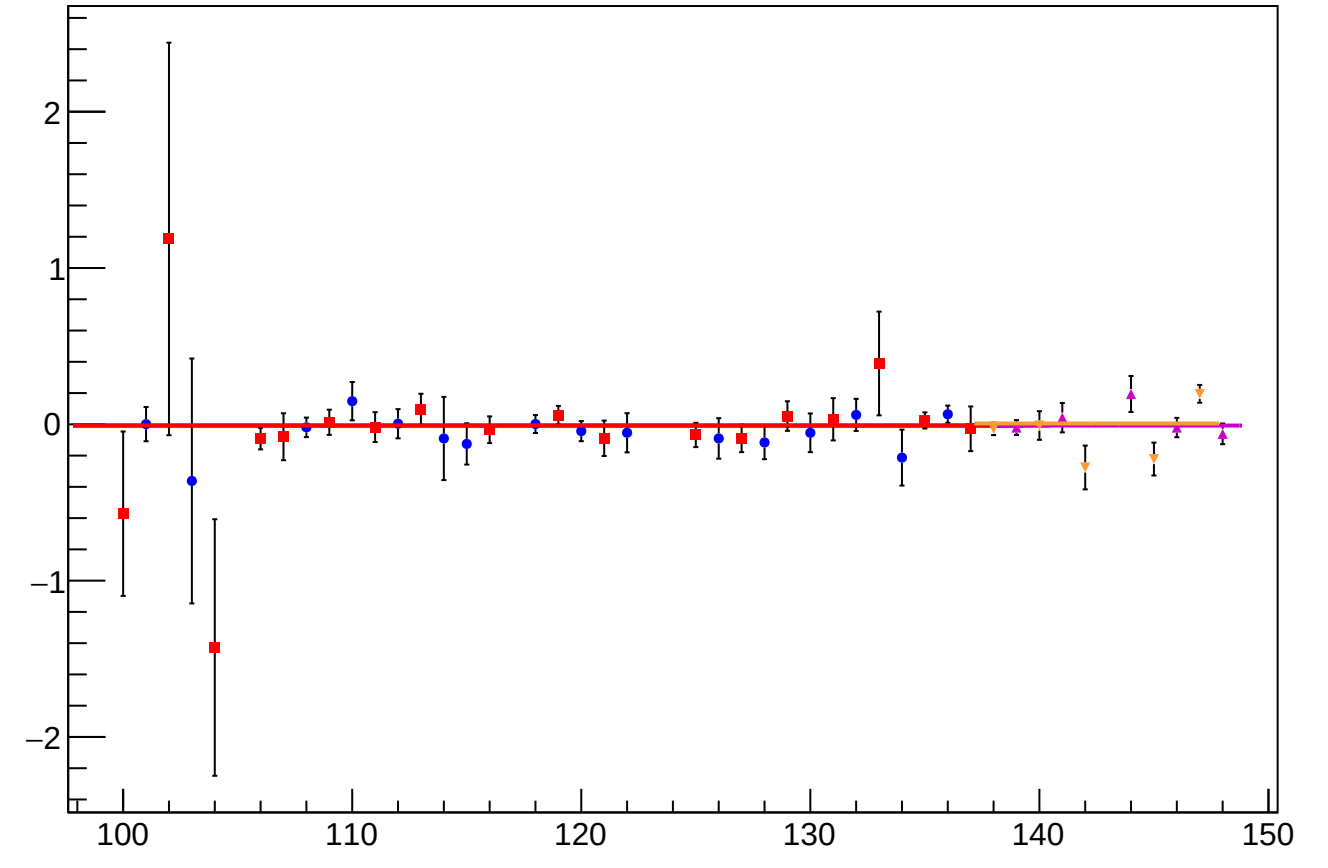
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

+ sign 51.715+/-0.013 χ^2/NDF: 3336180.3/20

All: 51.836+/-0.009 χ^2/NDF: 7257157.4/43

- sign 51.954+/-0.013 χ^2/NDF: 3920800.2/22



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

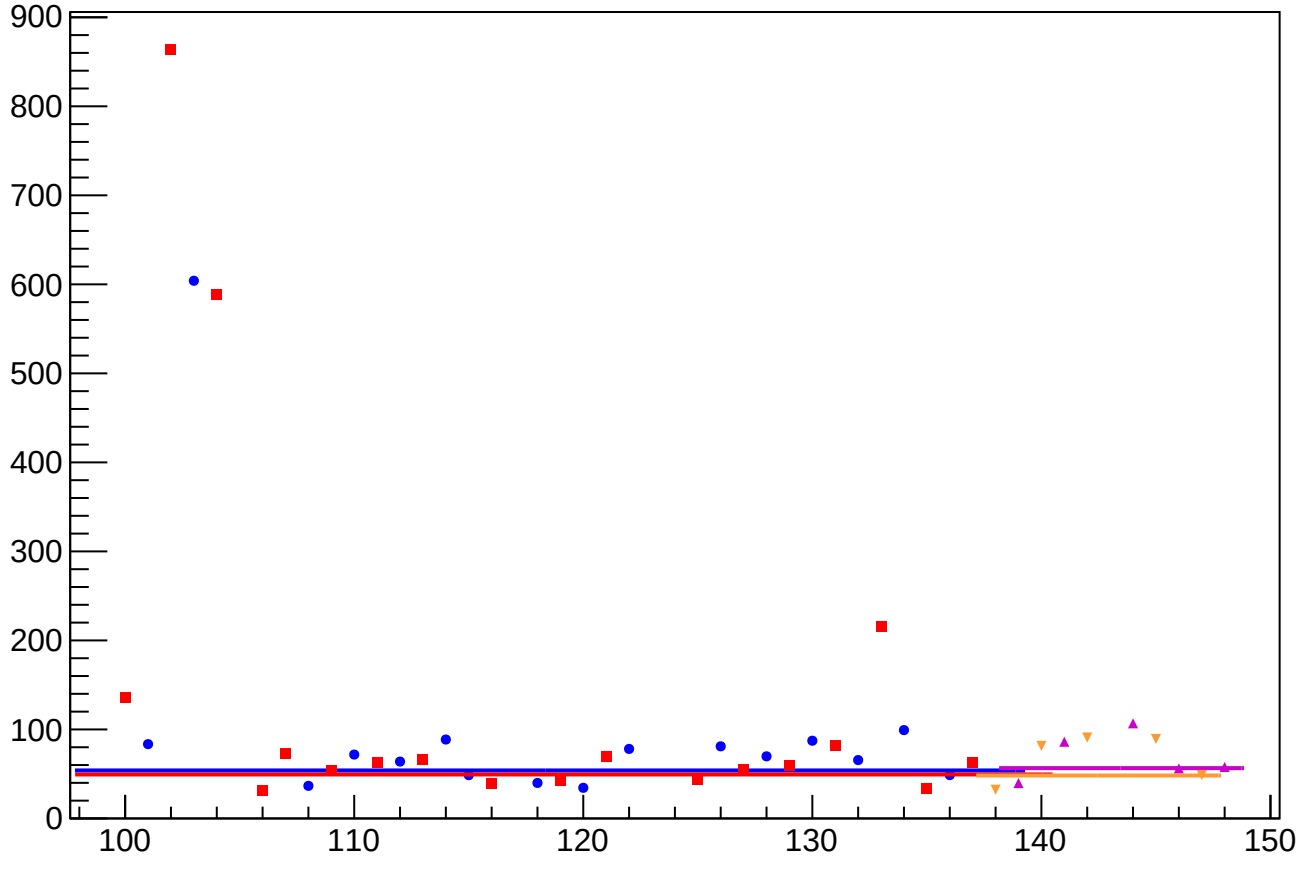
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.005+/-0.013 χ^2/NDF: 46.8/43

- sign -0.007+/-0.018 χ^2/NDF: 17.8/22



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.252+/-0.020 χ^2/NDF:1074849.3/4

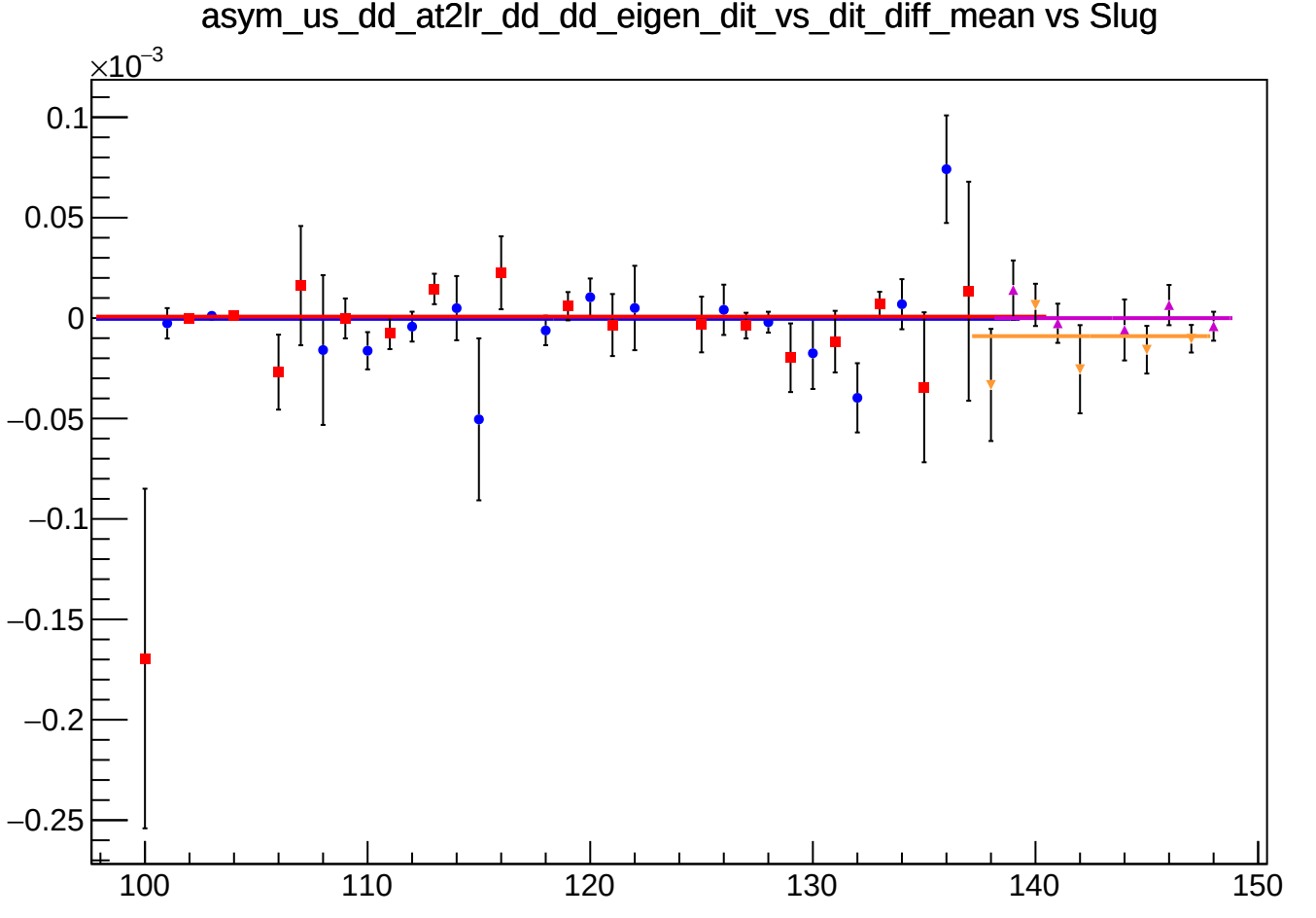
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

+ sign 51.715+/-0.013 χ^2/NDF: 3336180.3/20

All: 51.836+/-0.009 χ^2/NDF: 7257157.4/43

- sign 51.954+/-0.013 χ^2/NDF: 3920800.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

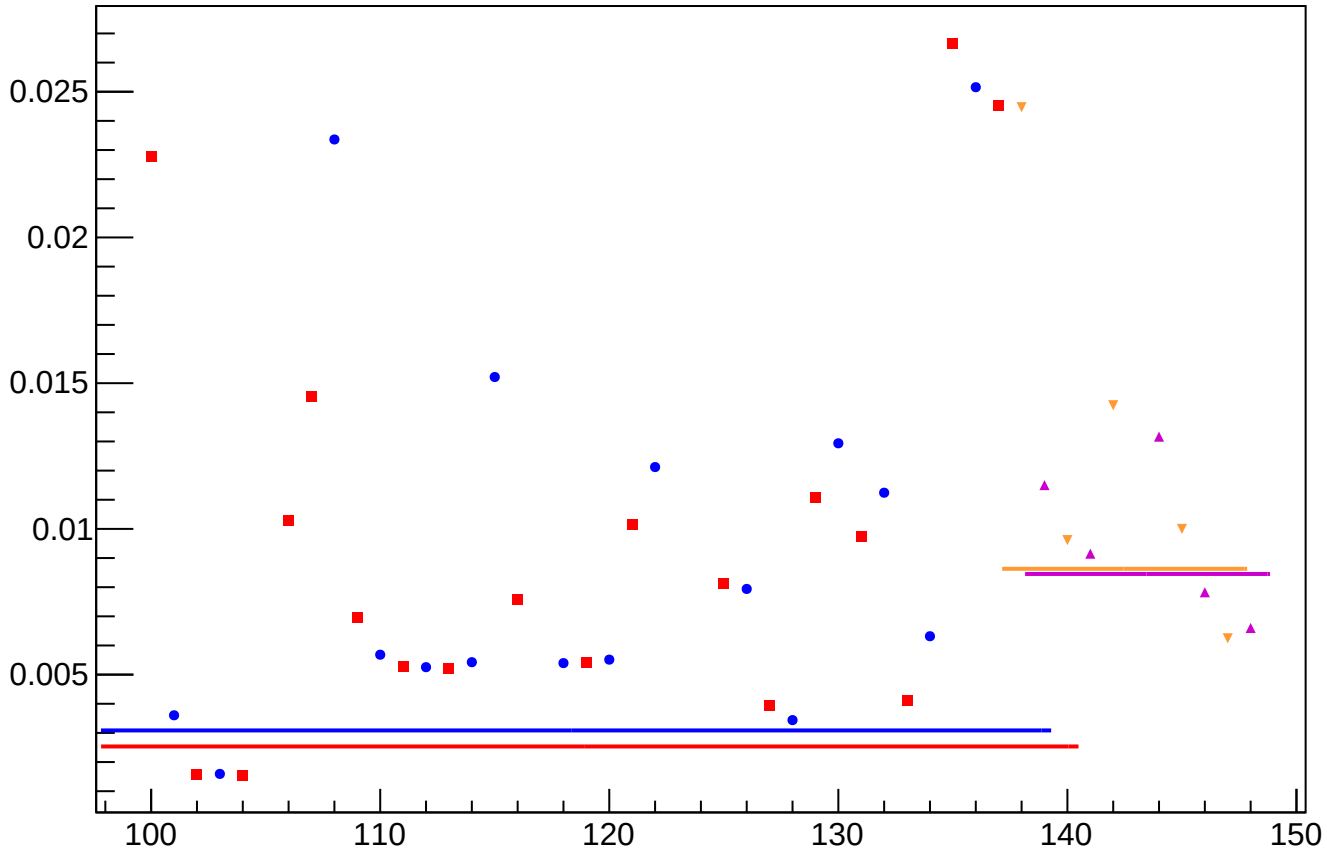
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: -0.000+/-0.000 χ^2/NDF: 49.3/43

- sign 0.000+/-0.000 χ^2/NDF: 19.7/22



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1059209.0/4

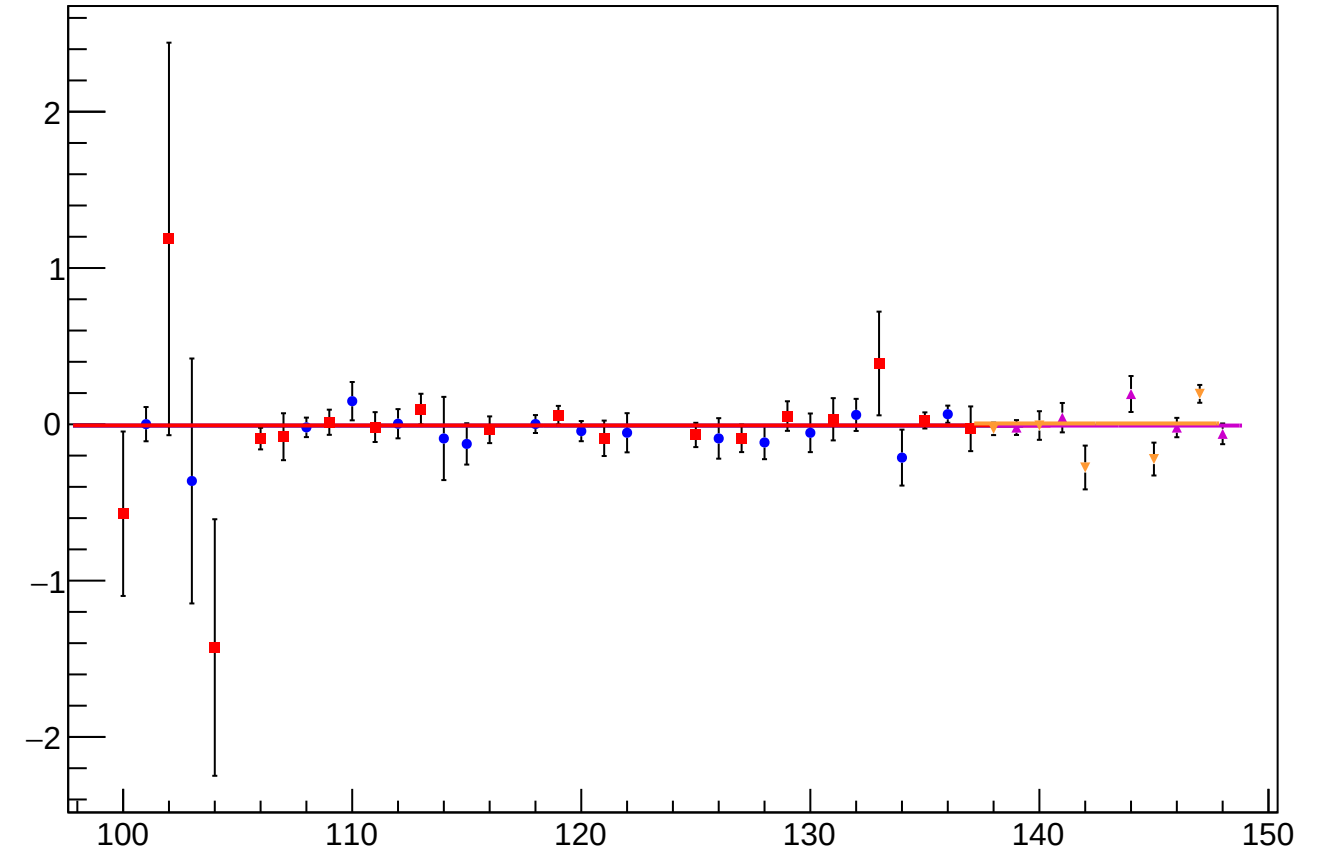
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:429149.9/4

+ sign 0.004+/-0.000 χ^2/NDF: 9100615.0/20

All: 0.003+/-0.000 χ^2/NDF: 19151806.0/43

- sign 0.003+/-0.000 χ^2/NDF: 9828751.2/22



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

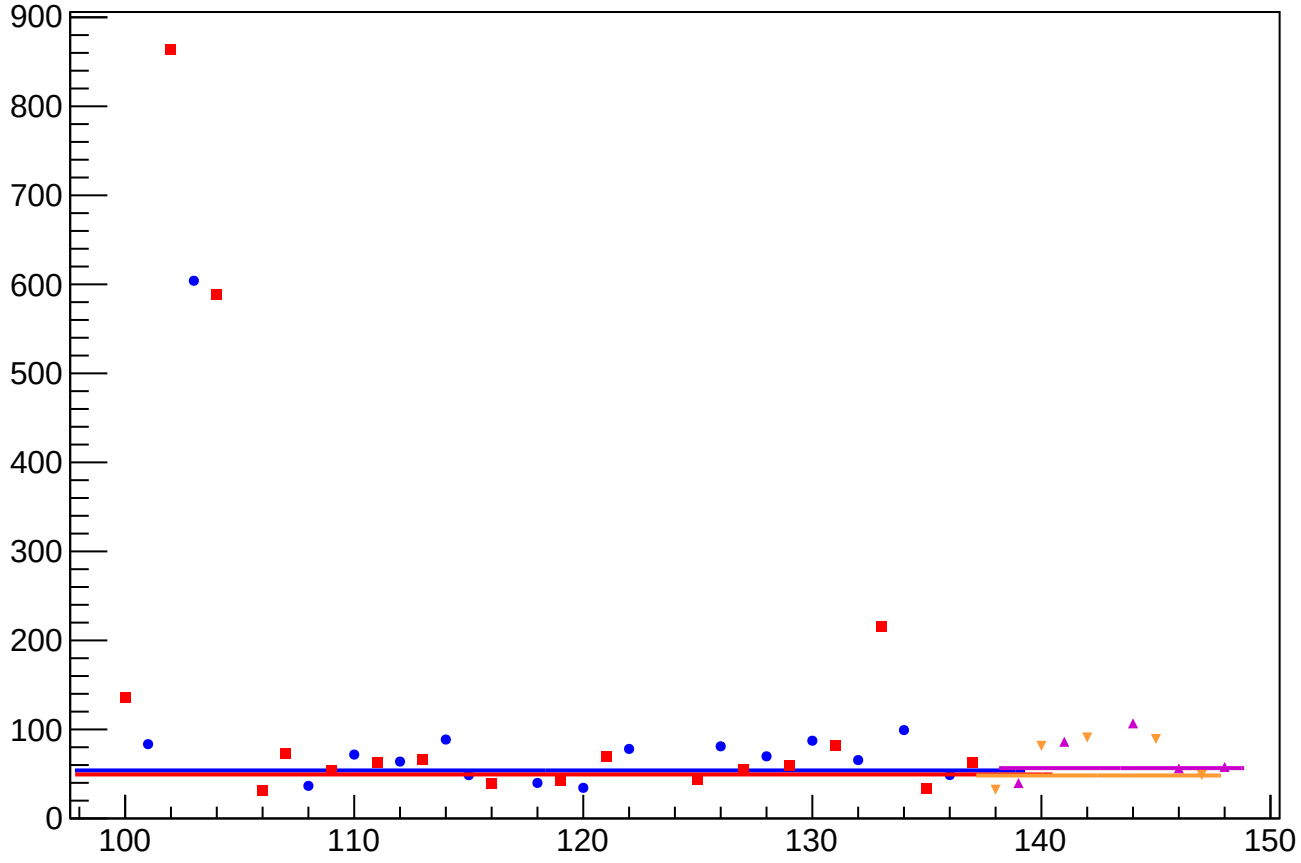
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.005+/-0.013 χ^2/NDF: 46.8/43

- sign -0.007+/-0.018 χ^2/NDF: 17.8/22



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.258+/-0.020 χ^2/NDF:1074358.4/4

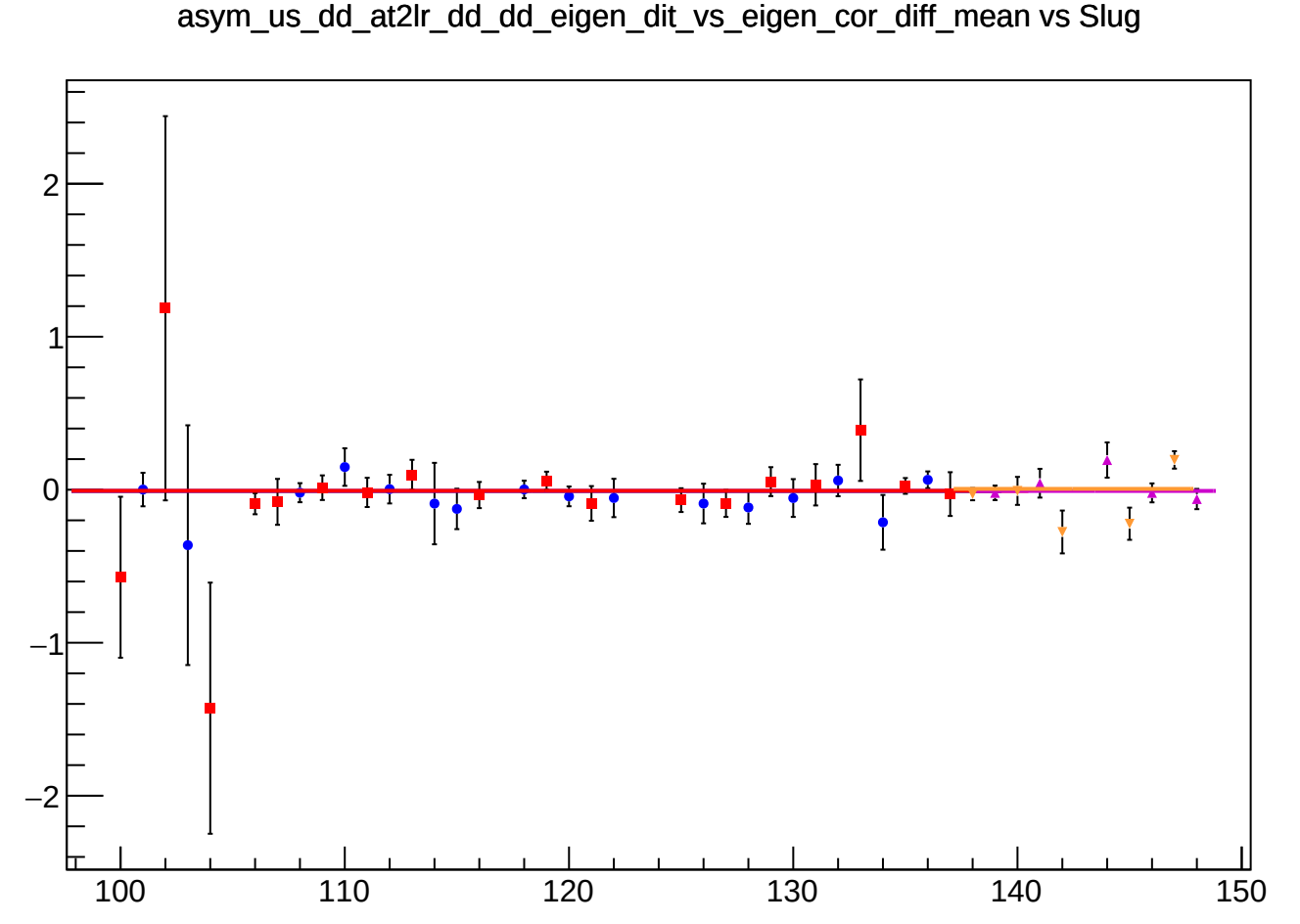
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

+ sign 51.720+/-0.013 χ^2/NDF: 3335241.3/20

All: 51.839+/-0.009 χ^2/NDF: 7255877.3/43

- sign 51.955+/-0.013 χ^2/NDF: 3920464.0/22



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.006+/-0.029 χ^2/NDF:20.5/4

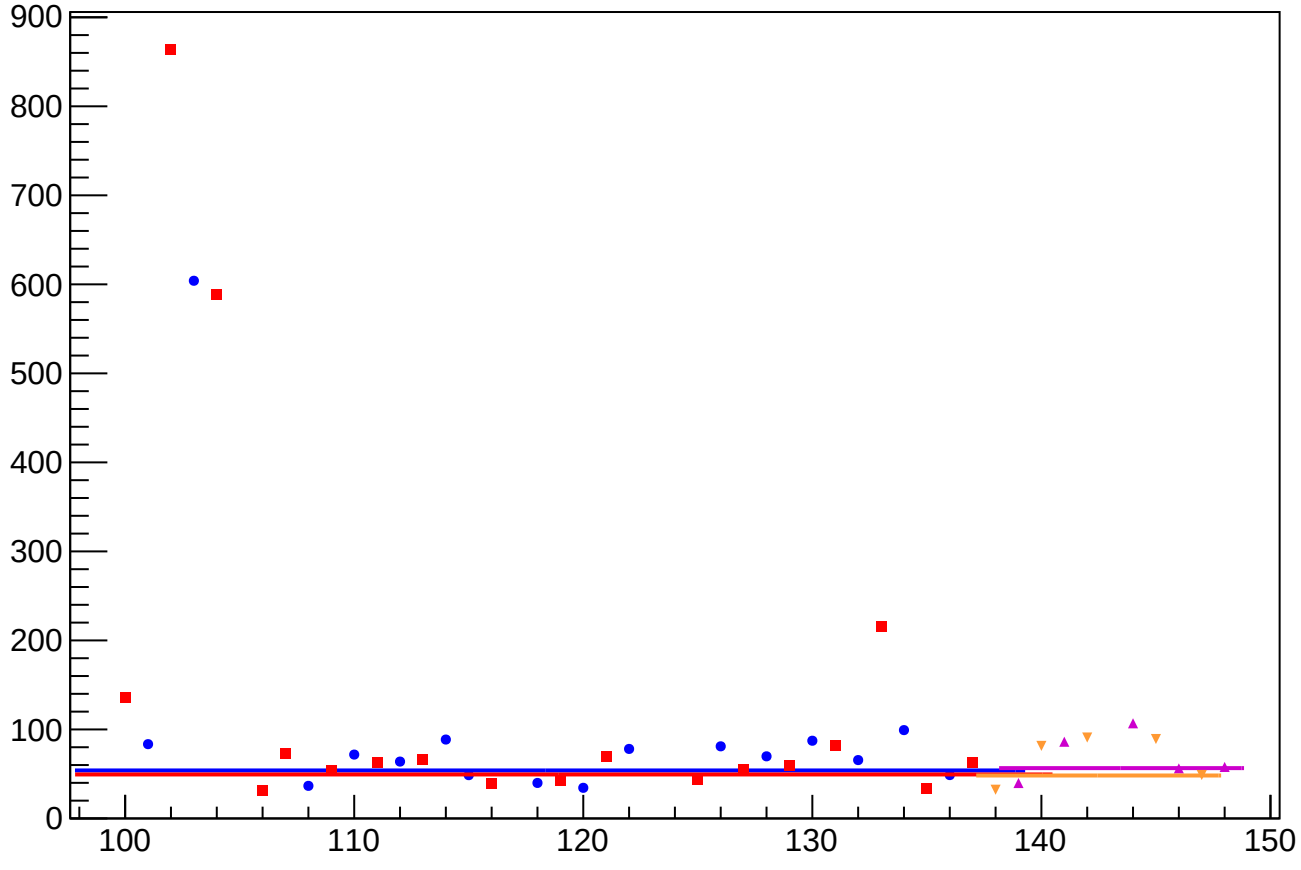
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.003+/-0.018 χ^2/NDF: 29.0/20

All: -0.005+/-0.013 χ^2/NDF: 46.8/43

- sign -0.007+/-0.018 χ^2/NDF: 17.8/22



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.258+/-0.020 χ^2/NDF:1074358.4/4

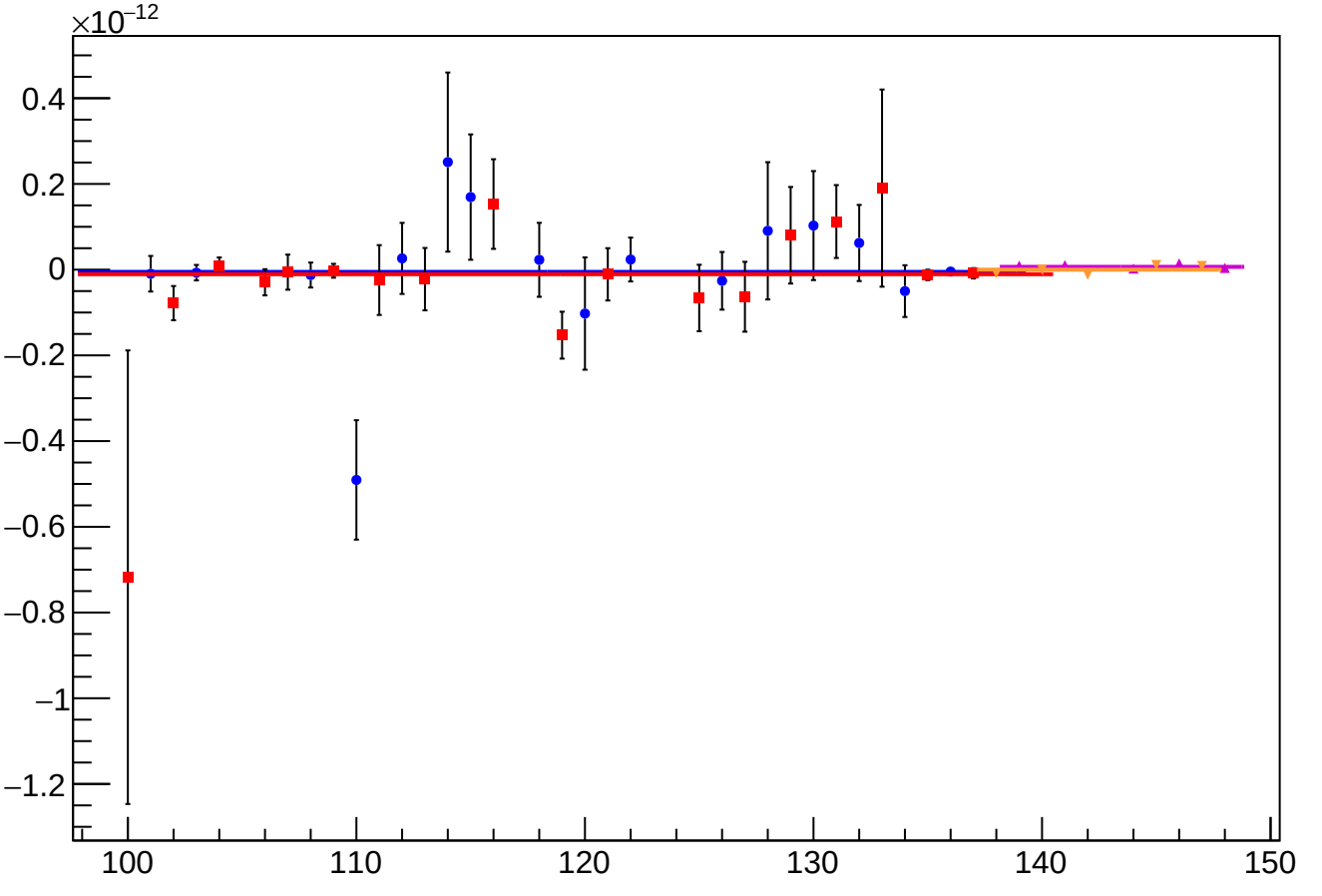
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

+ sign 51.720+/-0.013 χ^2/NDF: 3335241.3/20

All: 51.839+/-0.009 χ^2/NDF: 7255877.3/43

- sign 51.955+/-0.013 χ^2/NDF: 3920464.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

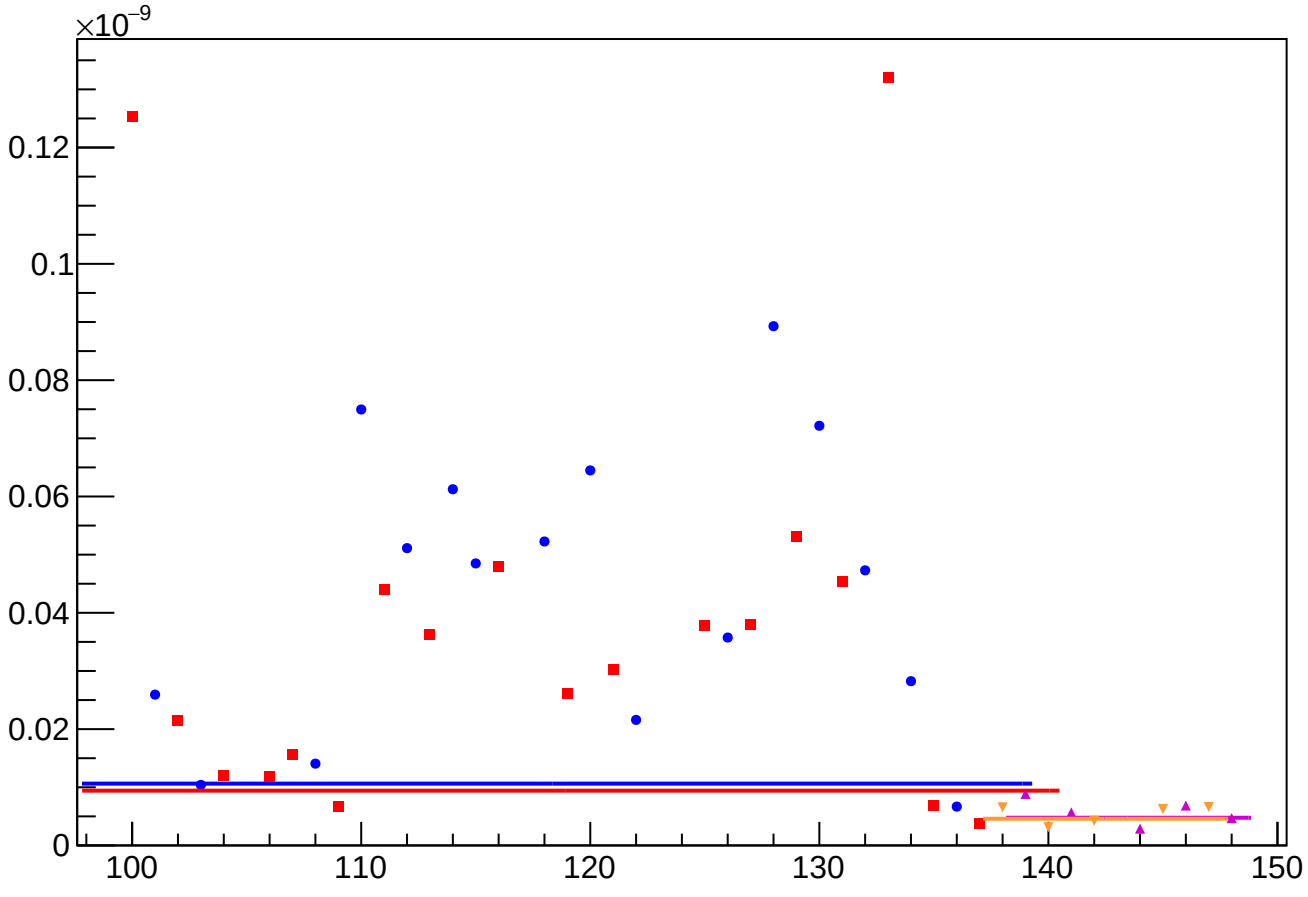
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/20

All: 0.000+/-0.000 χ^2/NDF: 53.7/43

- sign 0.000+/-0.000 χ^2/NDF: 27.9/22



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

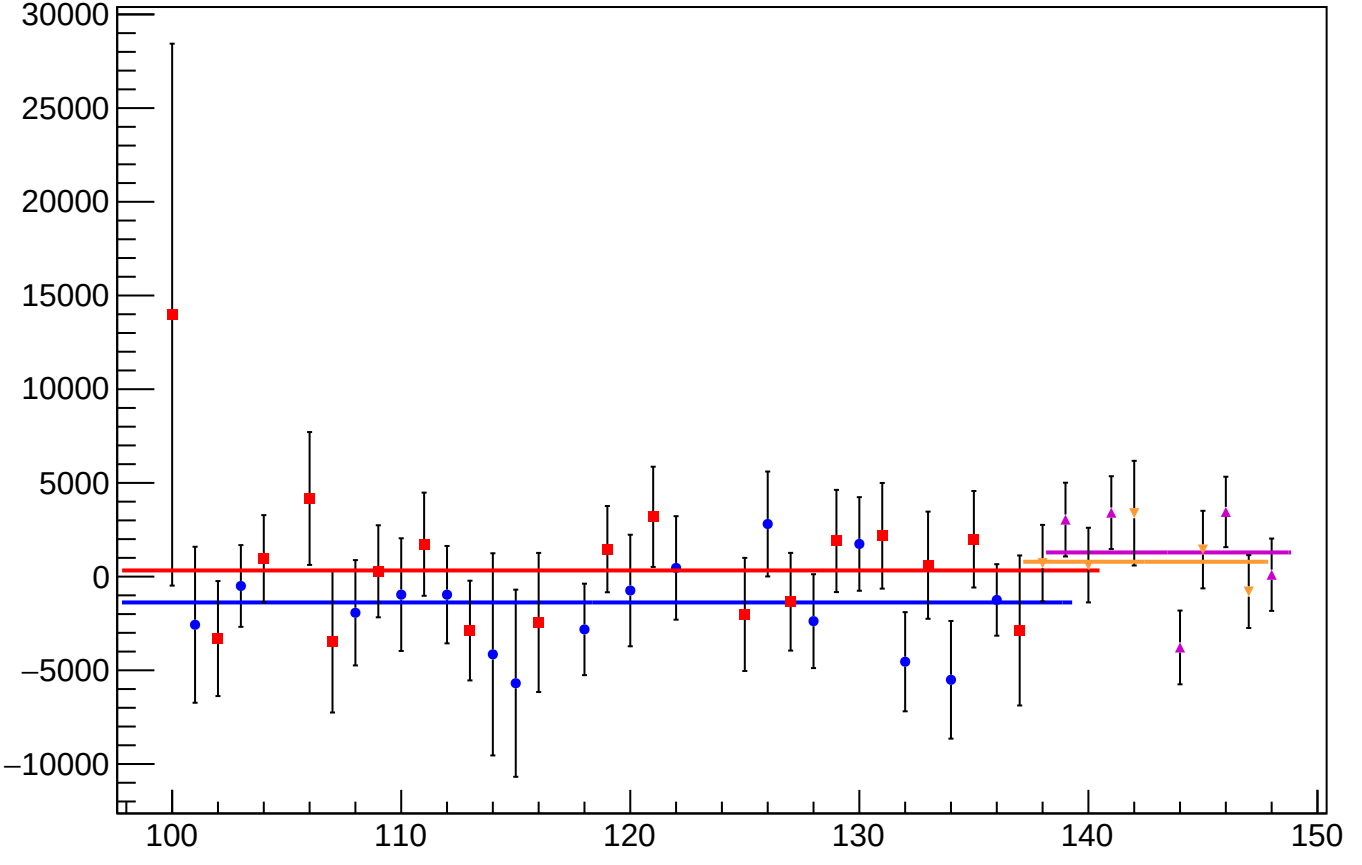
Left In: 0.000+/-0.000 χ^2/NDF:711127.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 6336339.1/20

All: 0.000+/-0.000 χ^2/NDF: 11919744.1/43

- sign 0.000+/-0.000 χ^2/NDF: 5583380.6/22

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

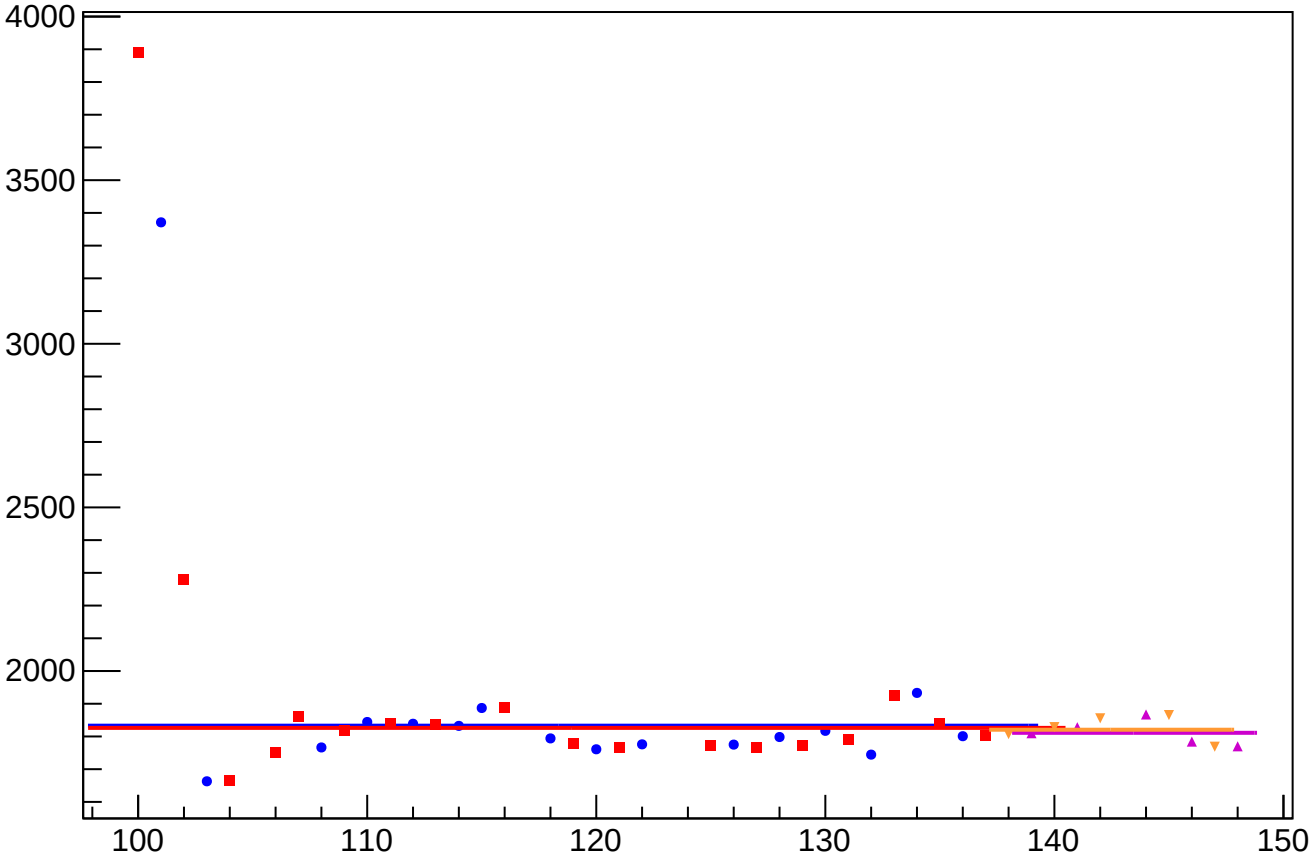
Left In: 1289.448+/-866.032 χ^2/NDF:10.3/4

+ sign -626.241+/-556.966 χ^2/NDF: 14.4/20

All: 60.258+/-386.477 χ^2/NDF: 39.4/43

- sign 697.750+/-536.718 χ^2/NDF: 22.1/22

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

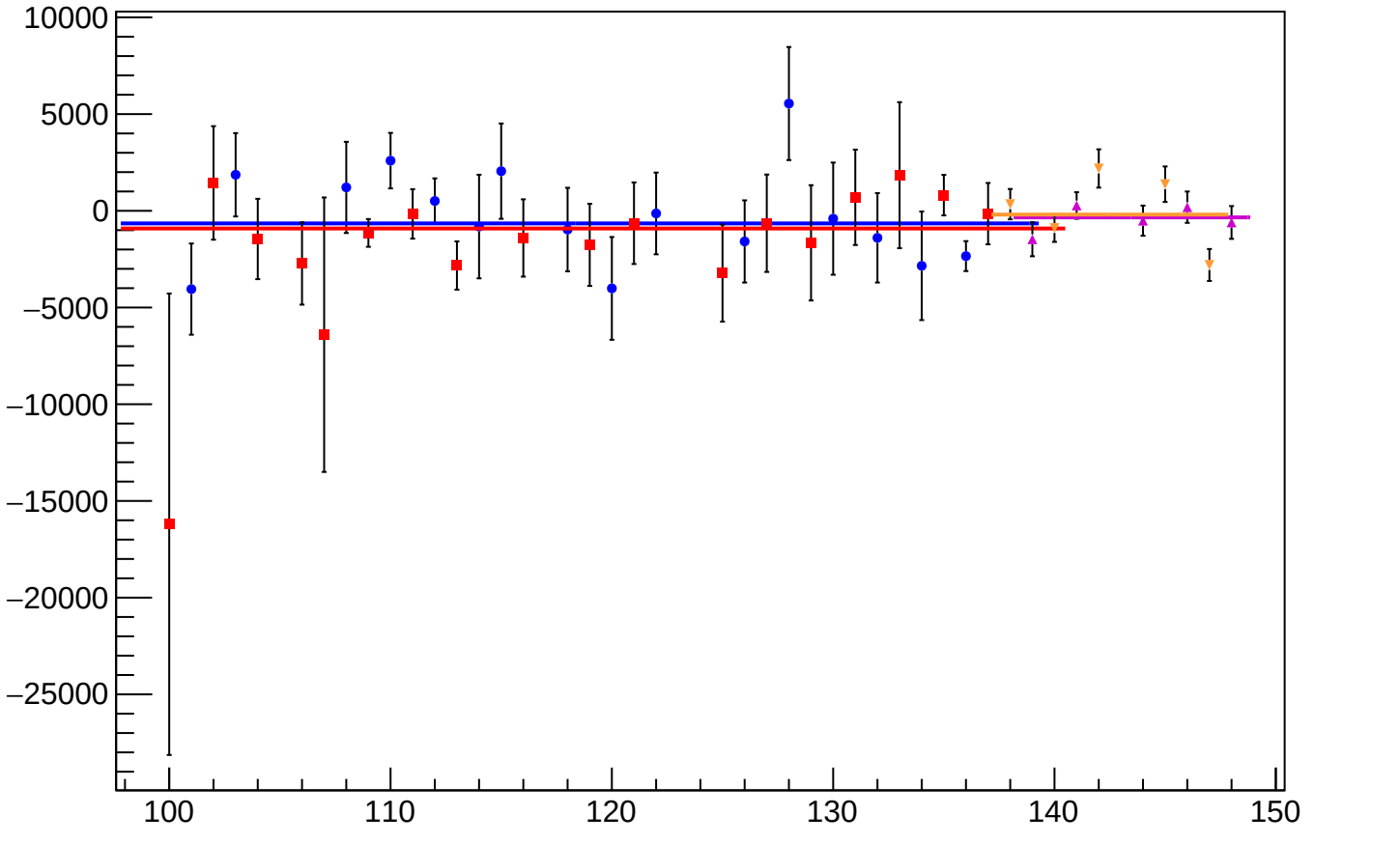
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1828.665+/-0.394 χ^2/NDF: 298455.8/20

All: 1824.393+/-0.273 χ^2/NDF: 405161.4/43

- sign 1820.427+/-0.380 χ^2/NDF: 106478.7/22



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

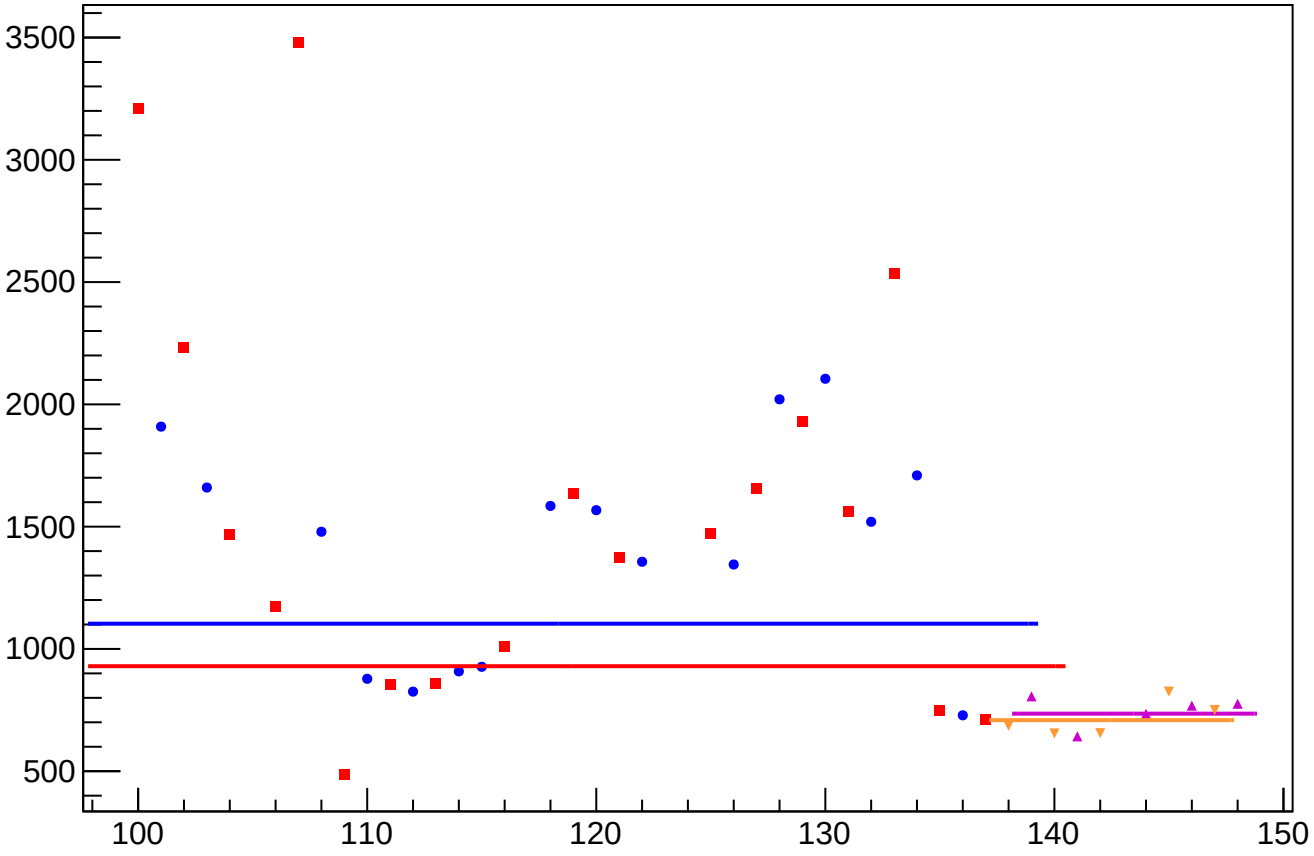
Left In: -339.766+/-354.002 χ^2/NDF:3.0/4

+ sign -384.410+/-284.335 χ^2/NDF: 44.0/20

All: -498.919+/-193.132 χ^2/NDF: 60.0/43

- sign -597.003+/-263.153 χ^2/NDF: 15.7/22

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

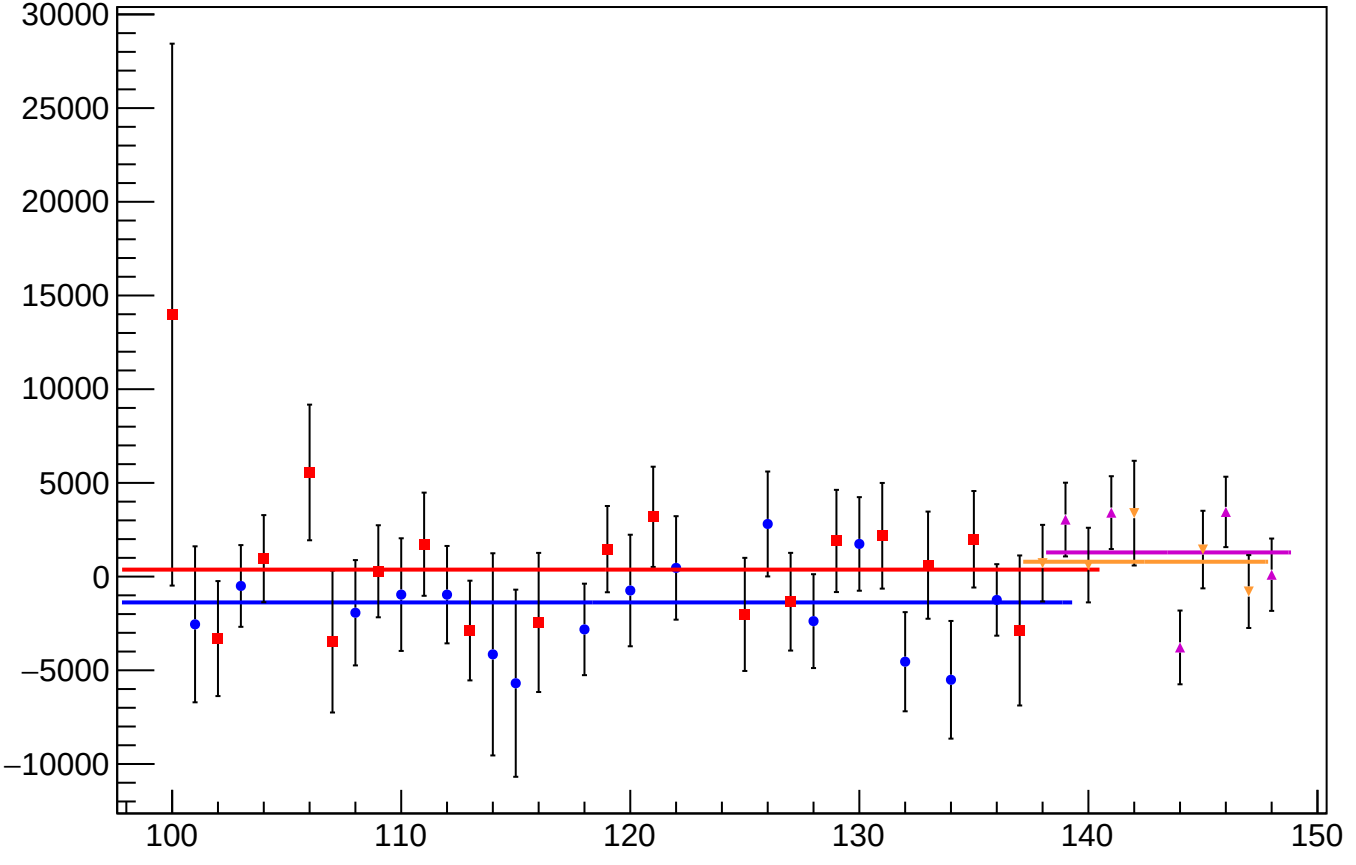
Left In: 735.369+/-0.250 χ^2/NDF:57405.0/4

+ sign 871.909+/-0.201 χ^2/NDF: 2867646.0/20

All: 845.113+/-0.137 χ^2/NDF: 6280820.8/43

- sign 822.160+/-0.186 χ^2/NDF: 3380197.2/22

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

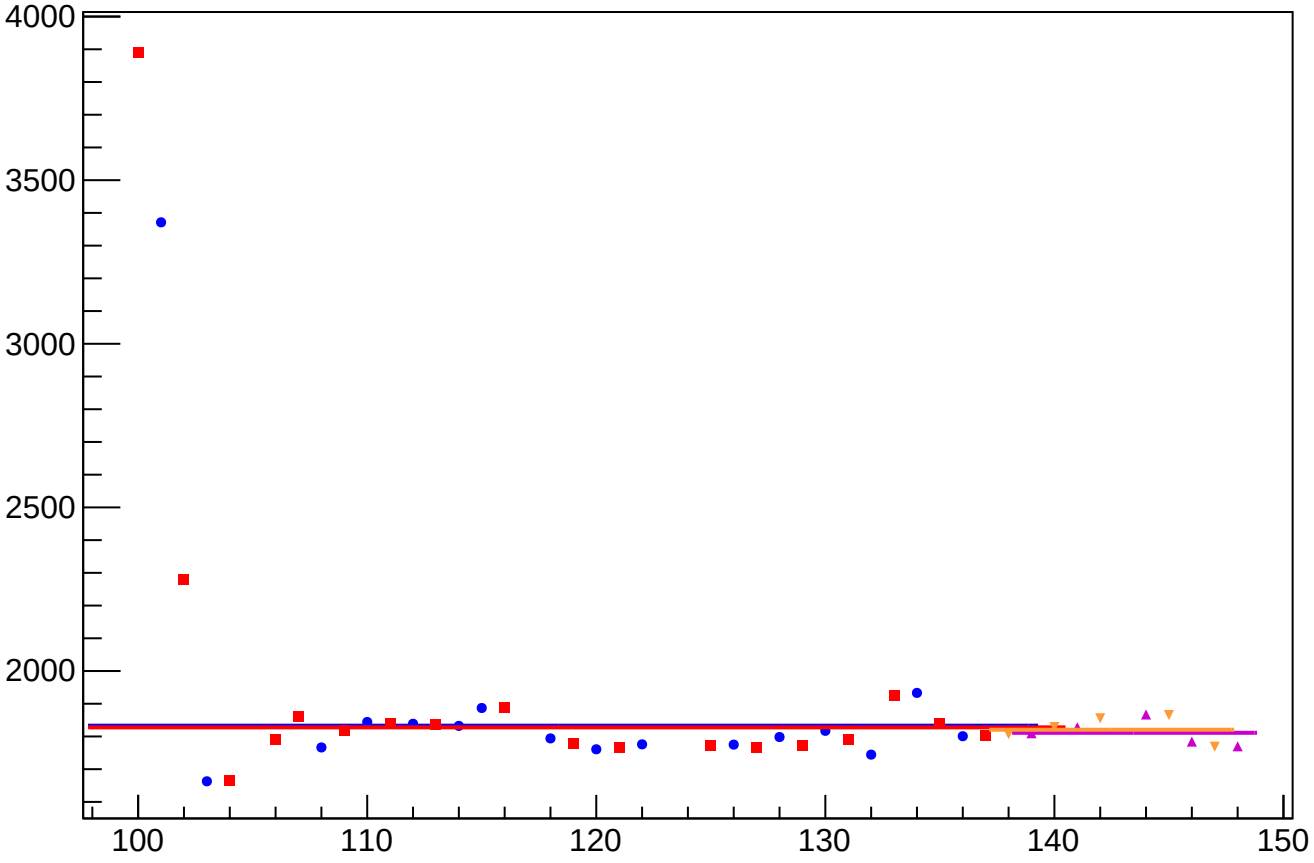
Left In: 1289.543+/-866.032 χ^2/NDF:10.3/4

+ sign -625.794+/-556.966 χ^2/NDF: 14.4/20

All: 74.324+/-386.571 χ^2/NDF: 40.4/43

- sign 725.071+/-536.969 χ^2/NDF: 23.0/22

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

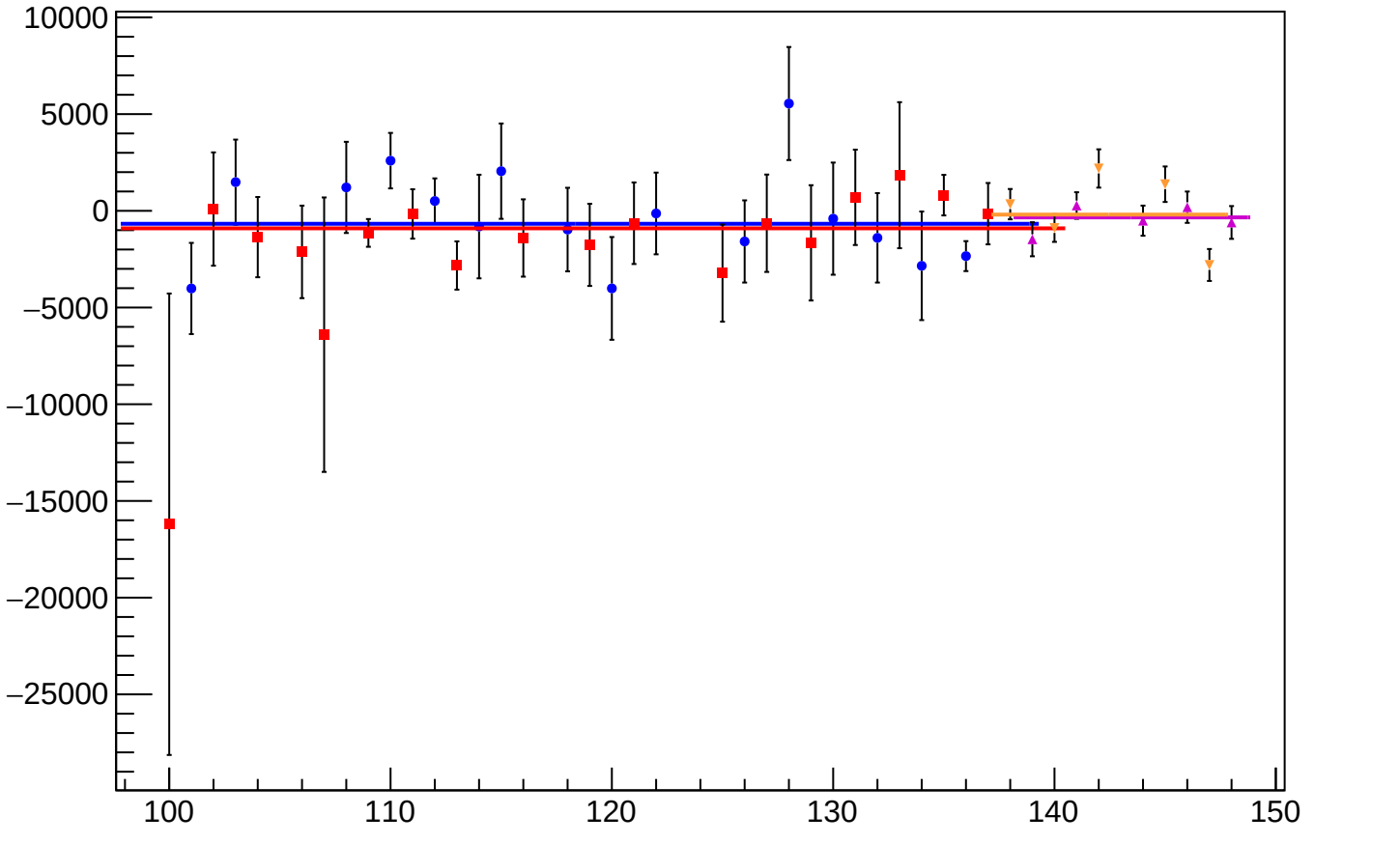
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1828.665+/-0.394 χ^2/NDF: 298457.7/20

All: 1824.896+/-0.273 χ^2/NDF: 404458.6/43

- sign 1821.392+/-0.380 χ^2/NDF: 105824.2/22



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

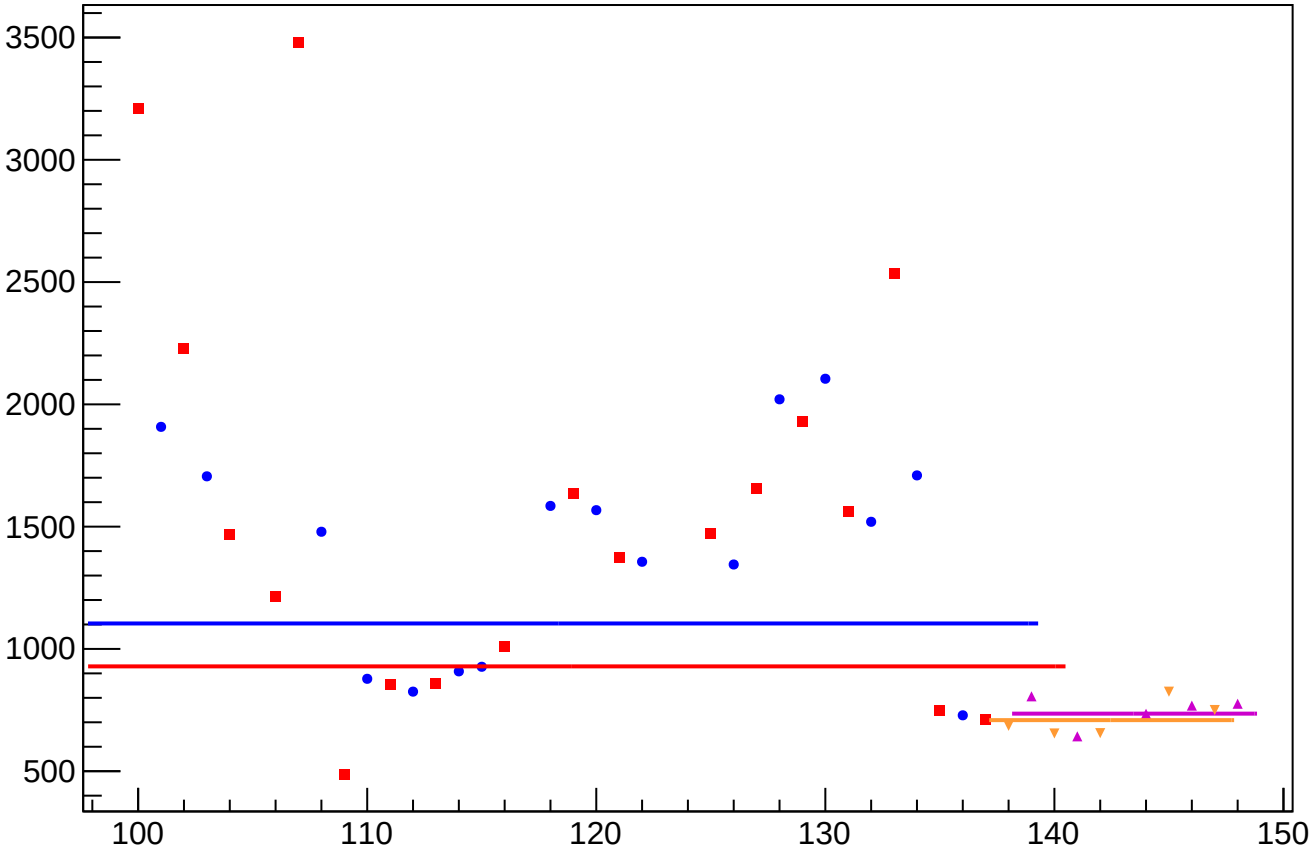
Left In: -339.722+/-354.002 χ^2/NDF:3.0/4

\+ sign -391.920+/-284.436 χ^2/NDF: 43.5/20

All: -499.585+/-193.328 χ^2/NDF: 58.5/43

\- sign -592.033+/-263.569 χ^2/NDF: 14.7/22

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

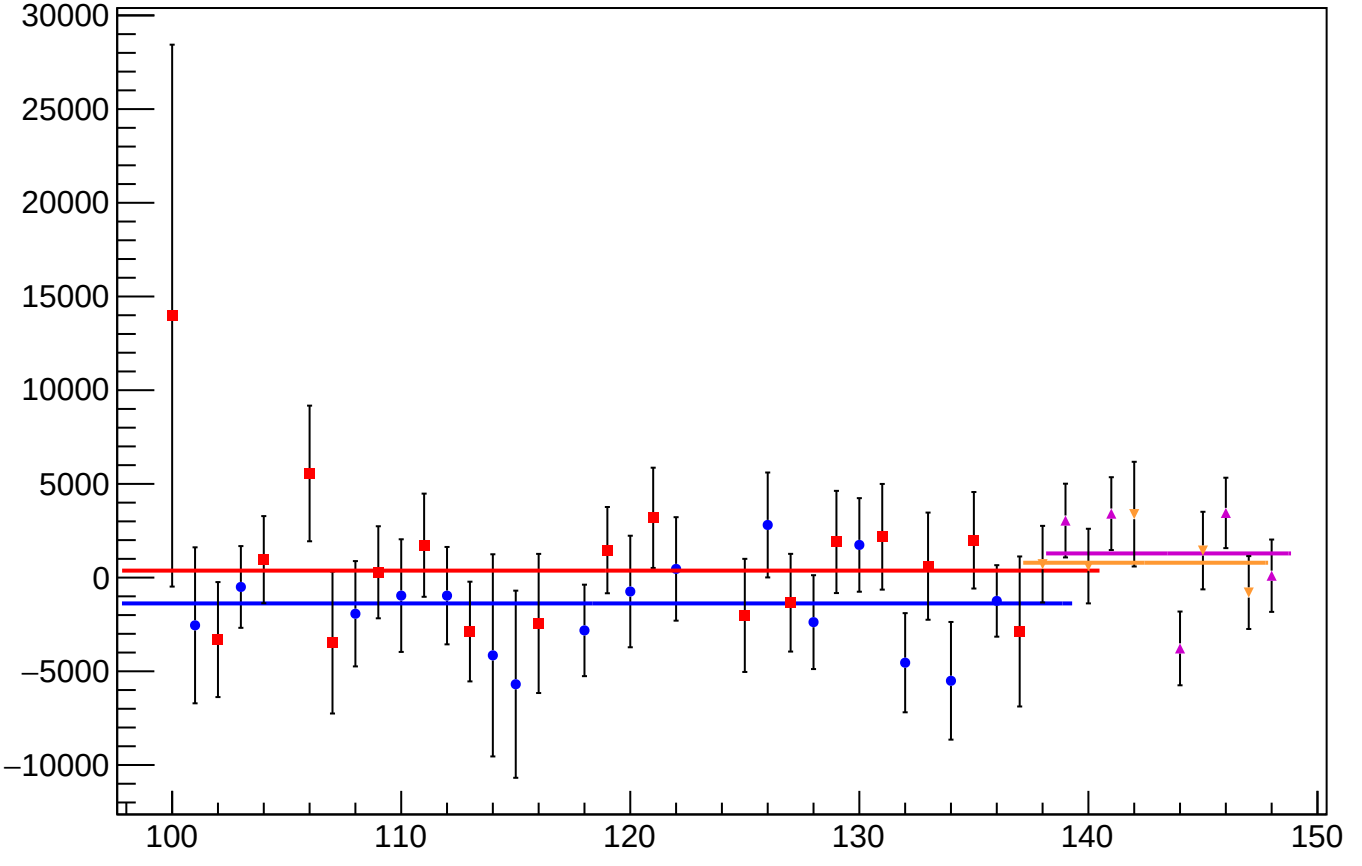
Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

+ sign 872.137+/-0.201 χ^2/NDF: 2887326.1/20

All: 844.891+/-0.137 χ^2/NDF: 6298893.5/43

- sign 821.496+/-0.186 χ^2/NDF: 3377459.5/22

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

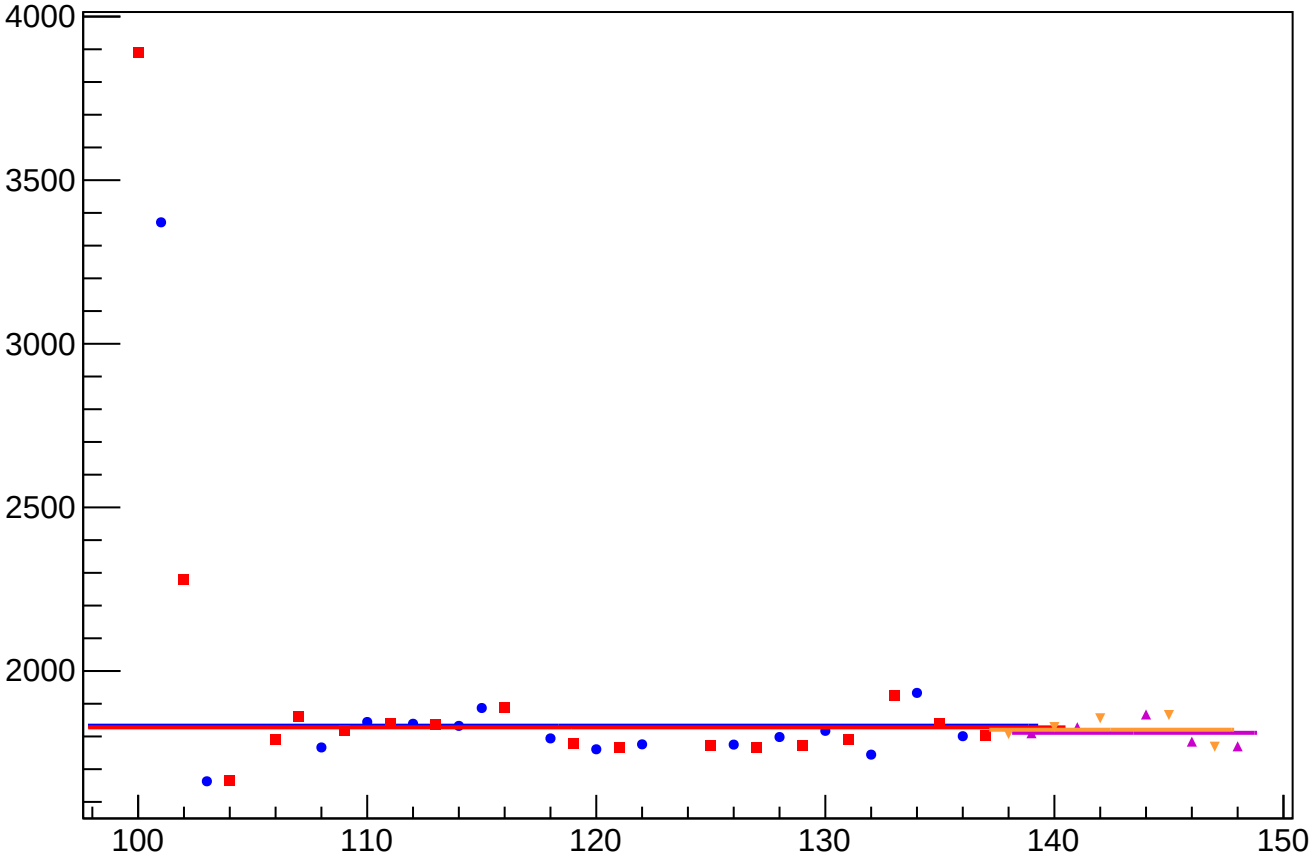
Left In: 1289.543+/-866.032 χ^2/NDF:10.3/4

+ sign -625.794+/-556.966 χ^2/NDF: 14.4/20

All: 74.324+/-386.571 χ^2/NDF: 40.4/43

- sign 725.071+/-536.969 χ^2/NDF: 23.0/22

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

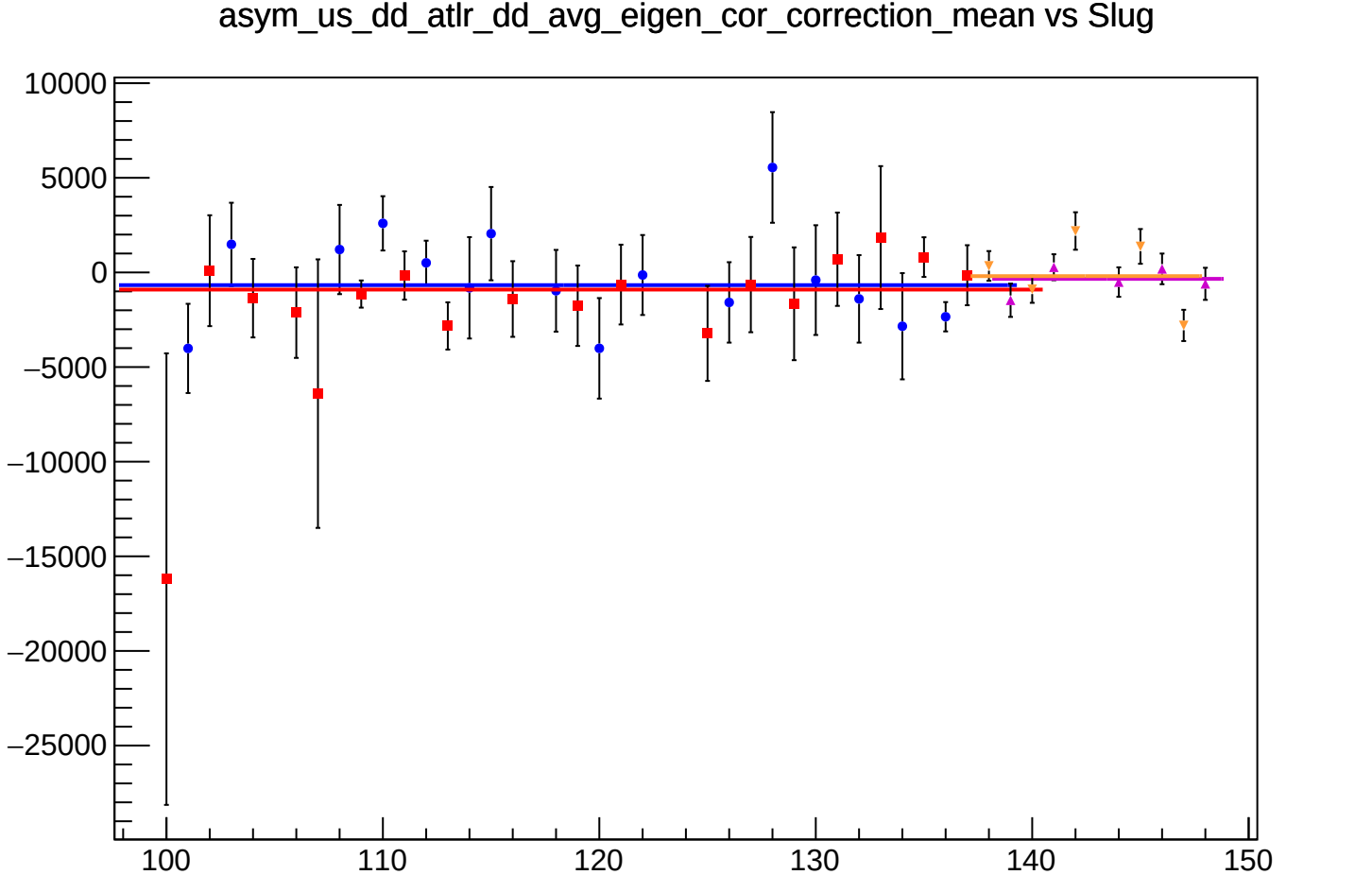
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1828.665+/-0.394 χ^2/NDF: 298457.7/20

All: 1824.896+/-0.273 χ^2/NDF: 404458.6/43

- sign 1821.392+/-0.380 χ^2/NDF: 105824.2/22



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -195.750+/-371.303 χ^2/NDF:20.1/4

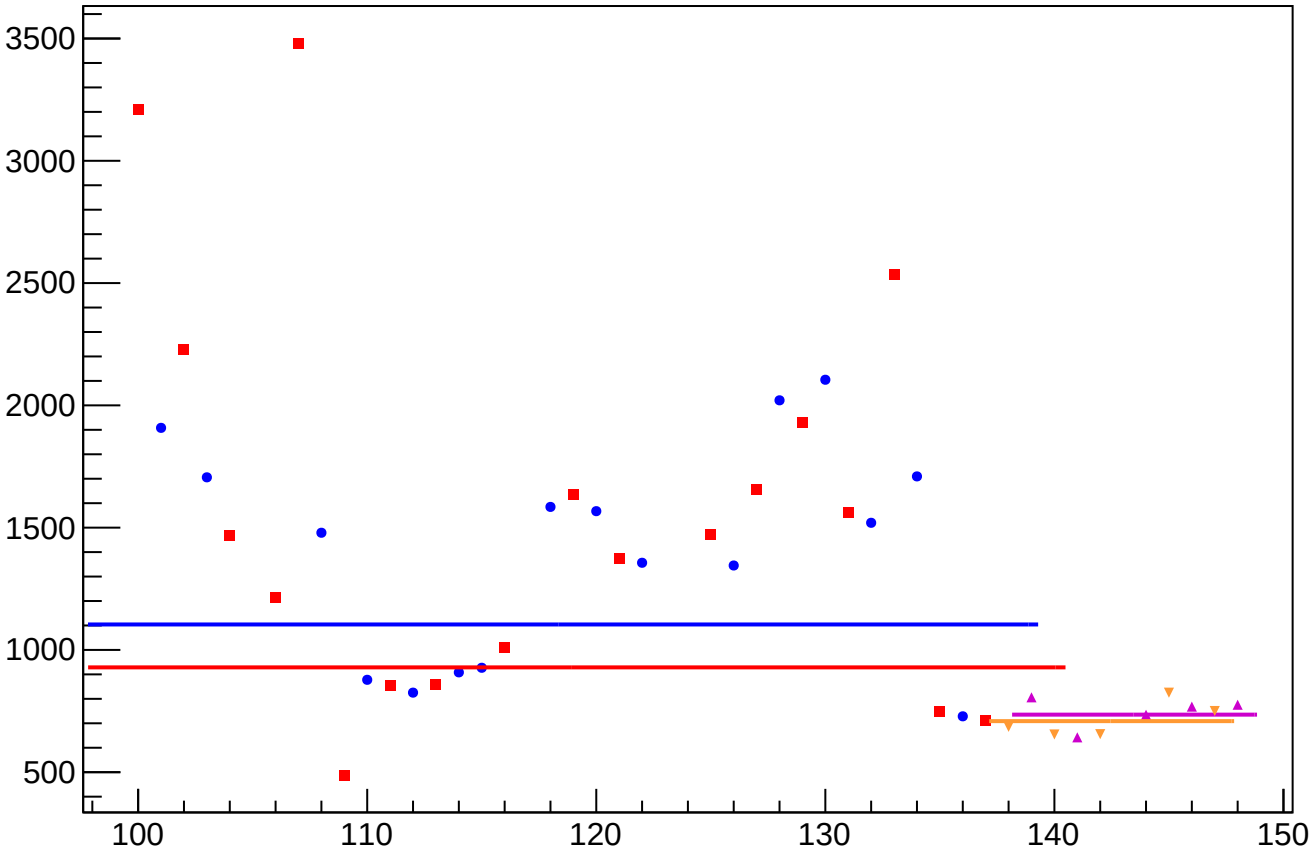
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -339.722+/-354.002 χ^2/NDF:3.0/4

\+ sign -391.920+/-284.436 χ^2/NDF: 43.5/20

All: -499.585+/-193.328 χ^2/NDF: 58.5/43

\- sign -592.033+/-263.569 χ^2/NDF: 14.7/22



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

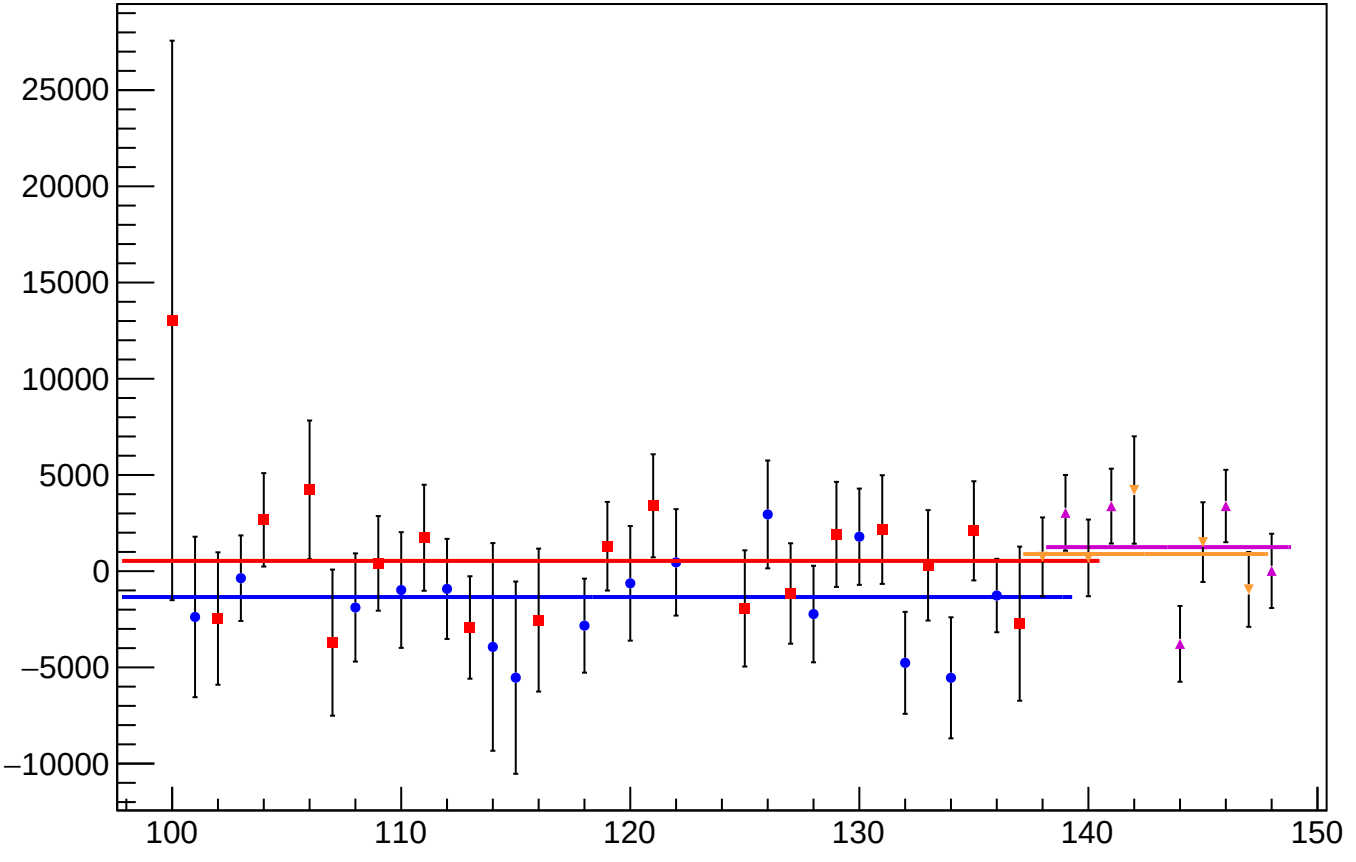
Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

+ sign 872.137+/-0.201 χ^2/NDF: 2887326.1/20

All: 844.891+/-0.137 χ^2/NDF: 6298893.5/43

- sign 821.496+/-0.186 χ^2/NDF: 3377459.5/22

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

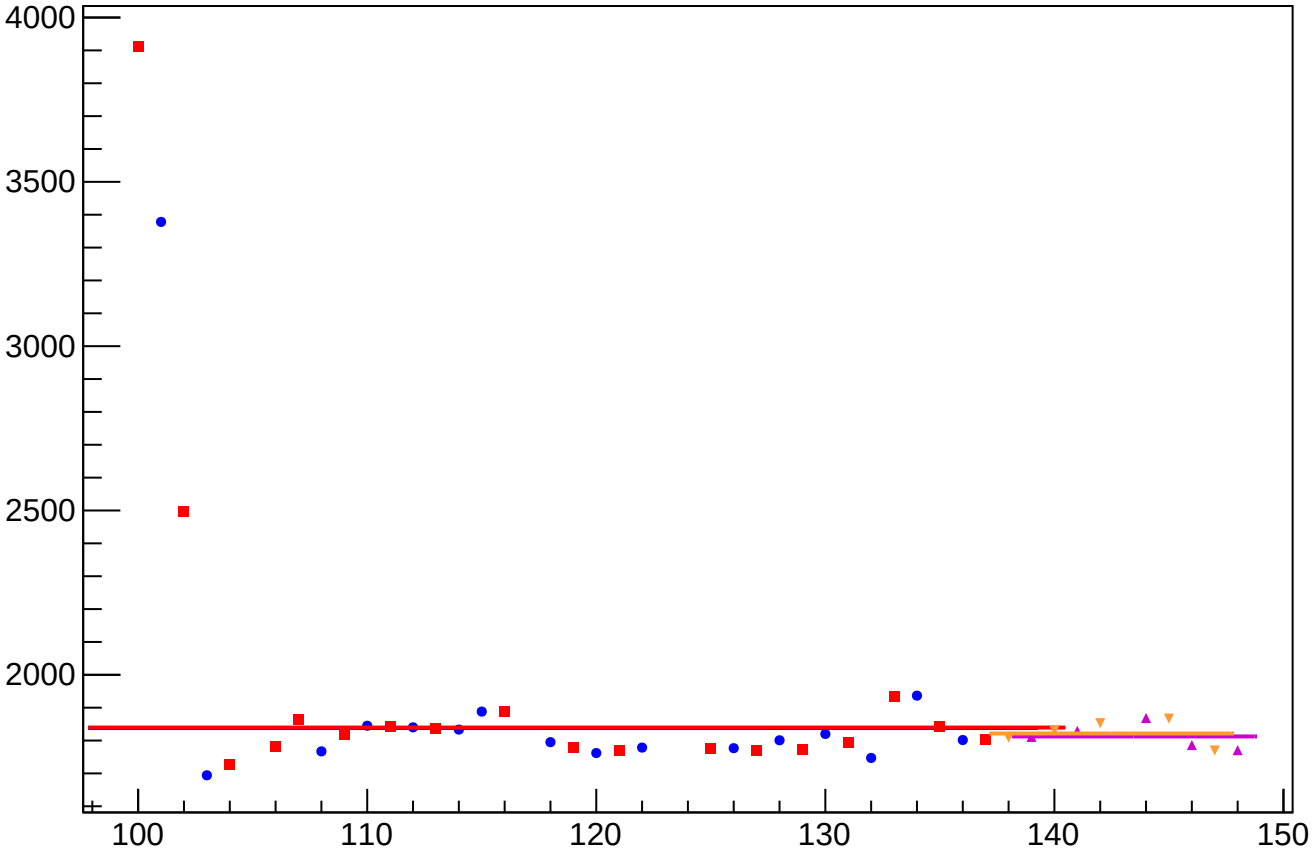
Left In: 1249.537+/-866.672 χ^2/NDF:10.2/4

+ sign -566.884+/-558.071 χ^2/NDF: 15.7/20

All: 144.989+/-388.171 χ^2/NDF: 40.6/43

- sign 812.189+/-540.276 χ^2/NDF: 21.8/22

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

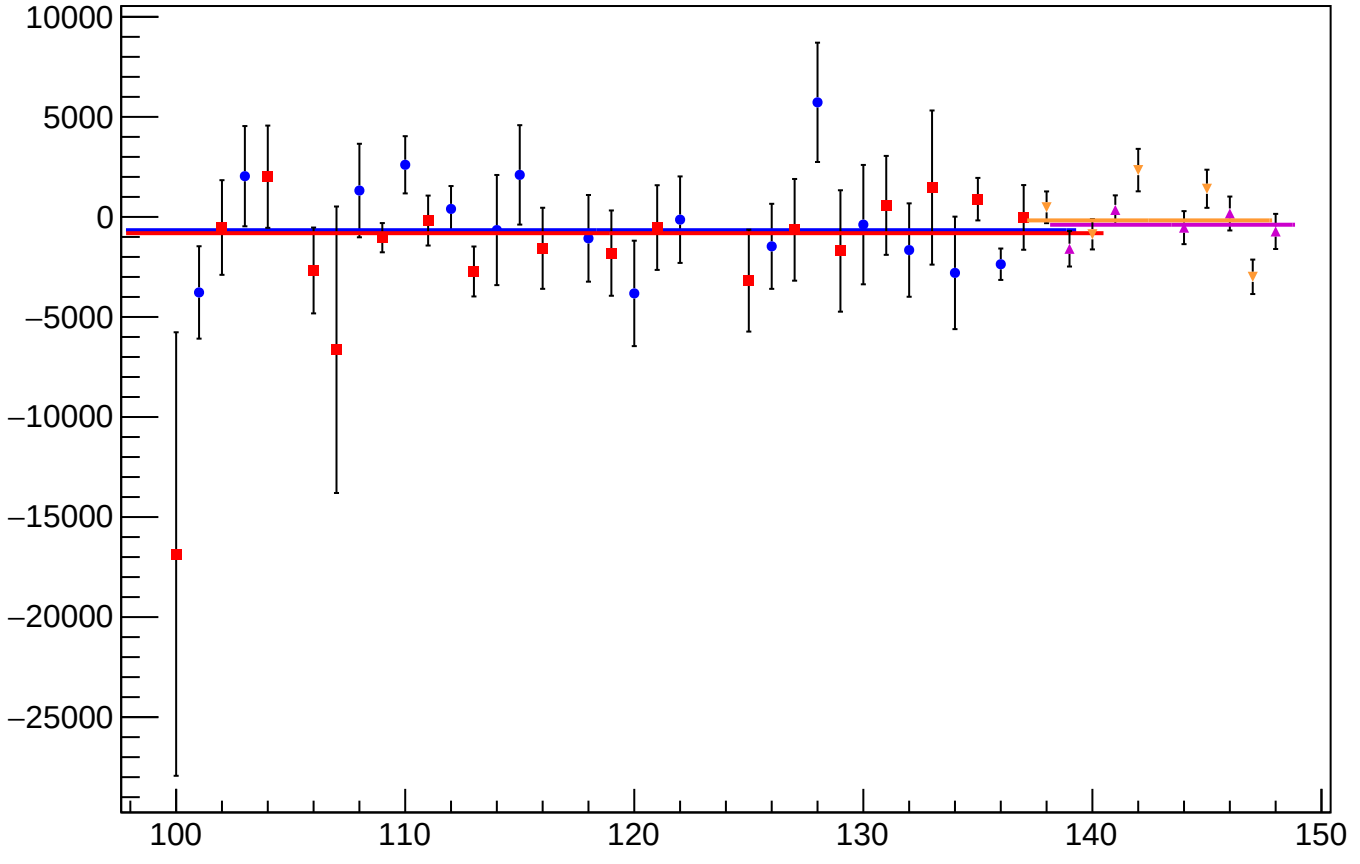
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

+ sign 1832.357+/-0.395 χ^2/NDF: 295132.6/20

All: 1830.632+/-0.274 χ^2/NDF: 427706.9/43

- sign 1829.015+/-0.382 χ^2/NDF: 132537.3/22



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -173.492+/-387.227 χ^2/NDF:20.6/4

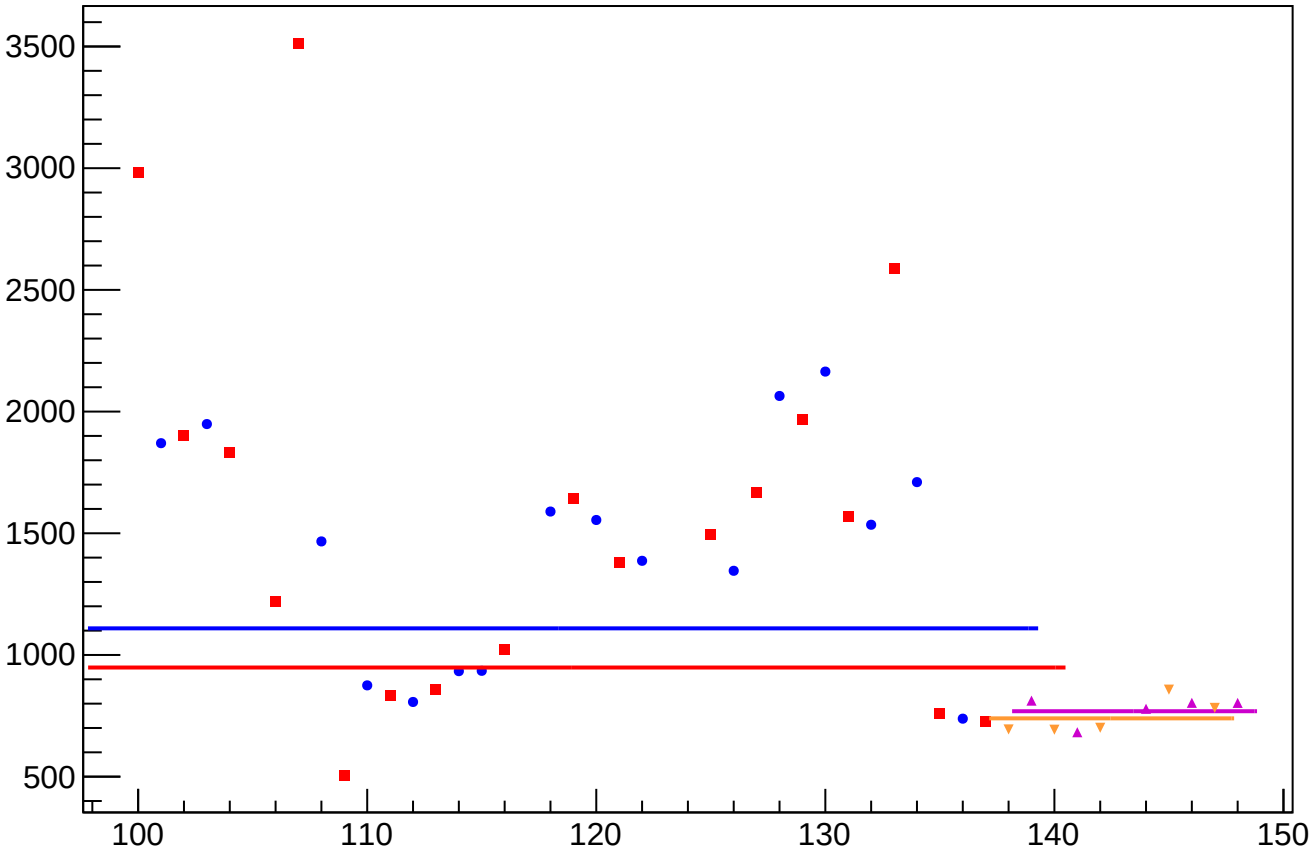
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -389.920+/-369.643 χ^2/NDF:3.5/4

+ sign -384.151+/-292.371 χ^2/NDF: 44.1/20

All: -492.822+/-198.591 χ^2/NDF: 60.7/43

- sign -585.906+/-270.591 χ^2/NDF: 16.3/22



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

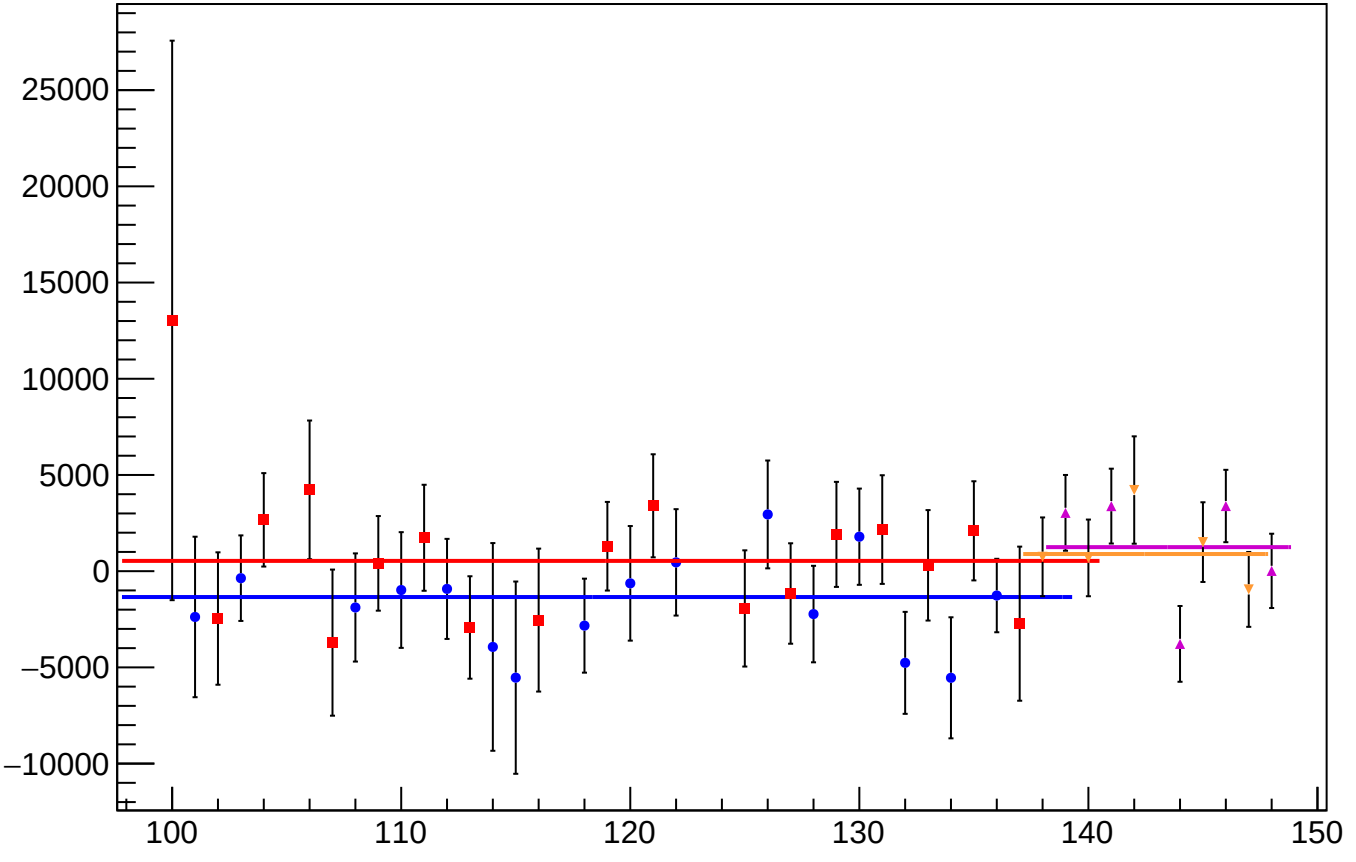
Left In: 768.875+/-0.261 χ^2/NDF:39568.7/4

+ sign 898.530+/-0.207 χ^2/NDF: 2810106.2/20

All: 873.584+/-0.140 χ^2/NDF: 6149426.6/43

- sign 852.215+/-0.191 χ^2/NDF: 3312286.7/22

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

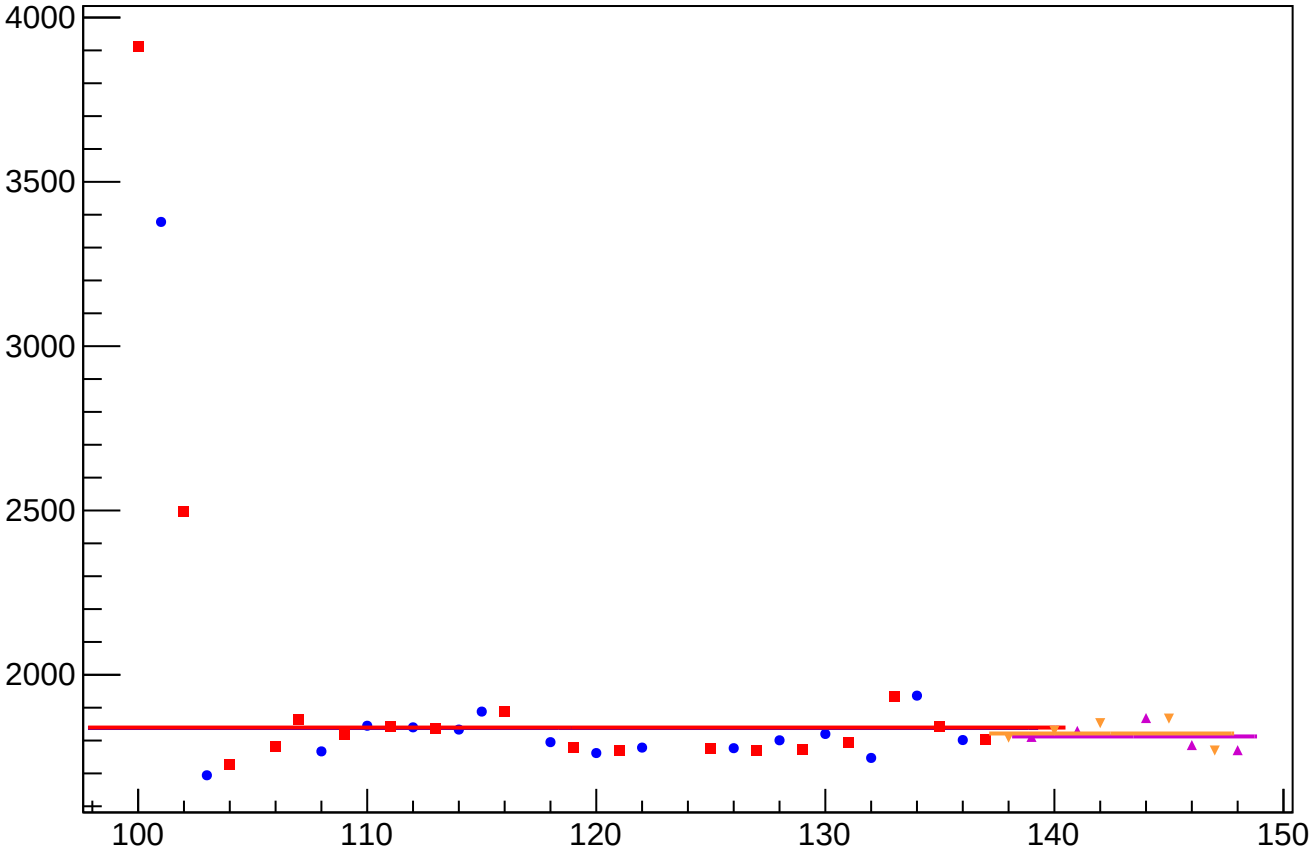
Left In: 1249.532+/-866.672 χ^2/NDF:10.2/4

+ sign -566.885+/-558.071 χ^2/NDF: 15.7/20

All: 144.989+/-388.171 χ^2/NDF: 40.6/43

- sign 812.190+/-540.276 χ^2/NDF: 21.8/22

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

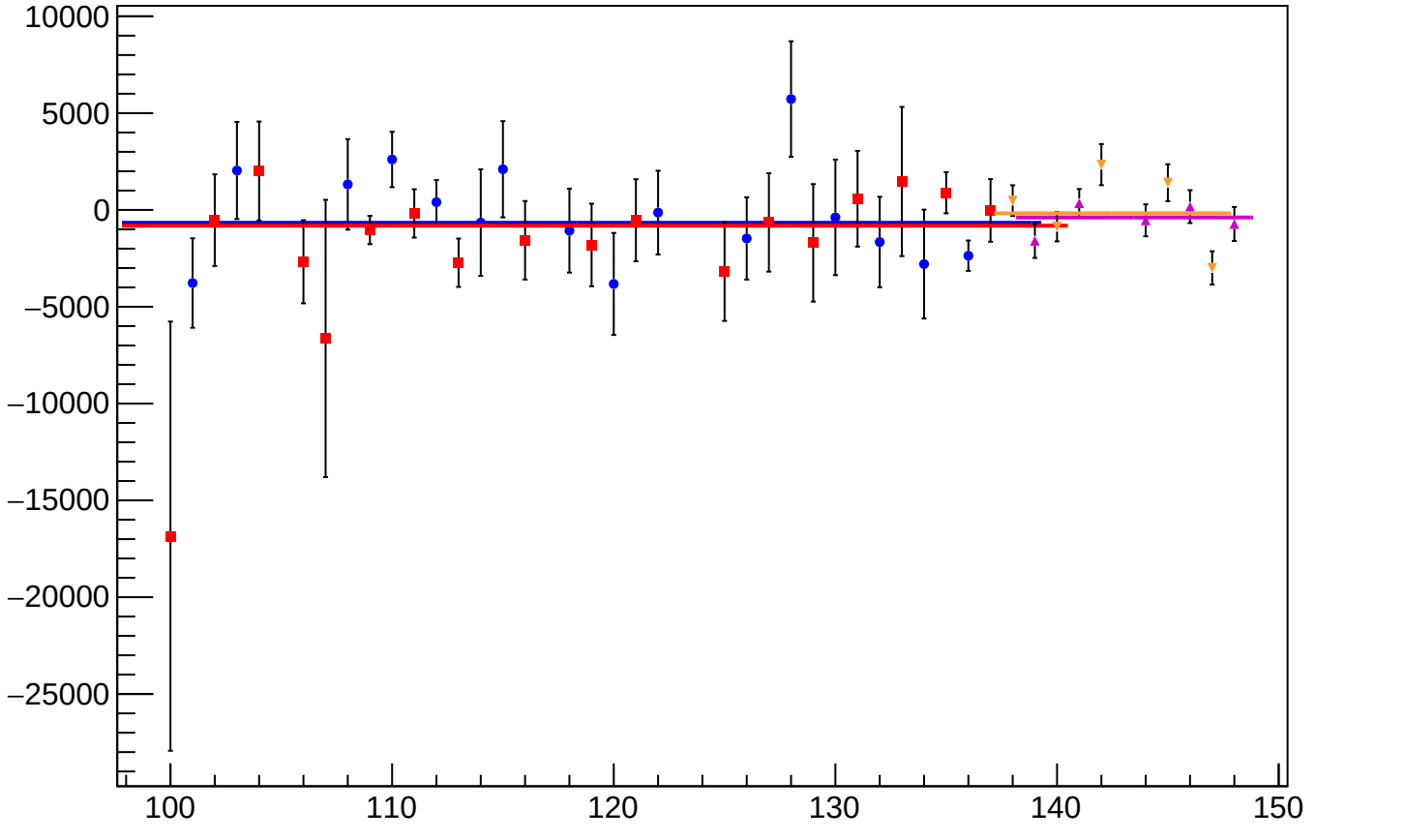
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

+ sign 1832.357+/-0.395 χ^2/NDF: 295132.5/20

All: 1830.632+/-0.274 χ^2/NDF: 427706.9/43

- sign 1829.015+/-0.382 χ^2/NDF: 132537.4/22



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -173.497+/-387.229 χ^2/NDF:20.6/4

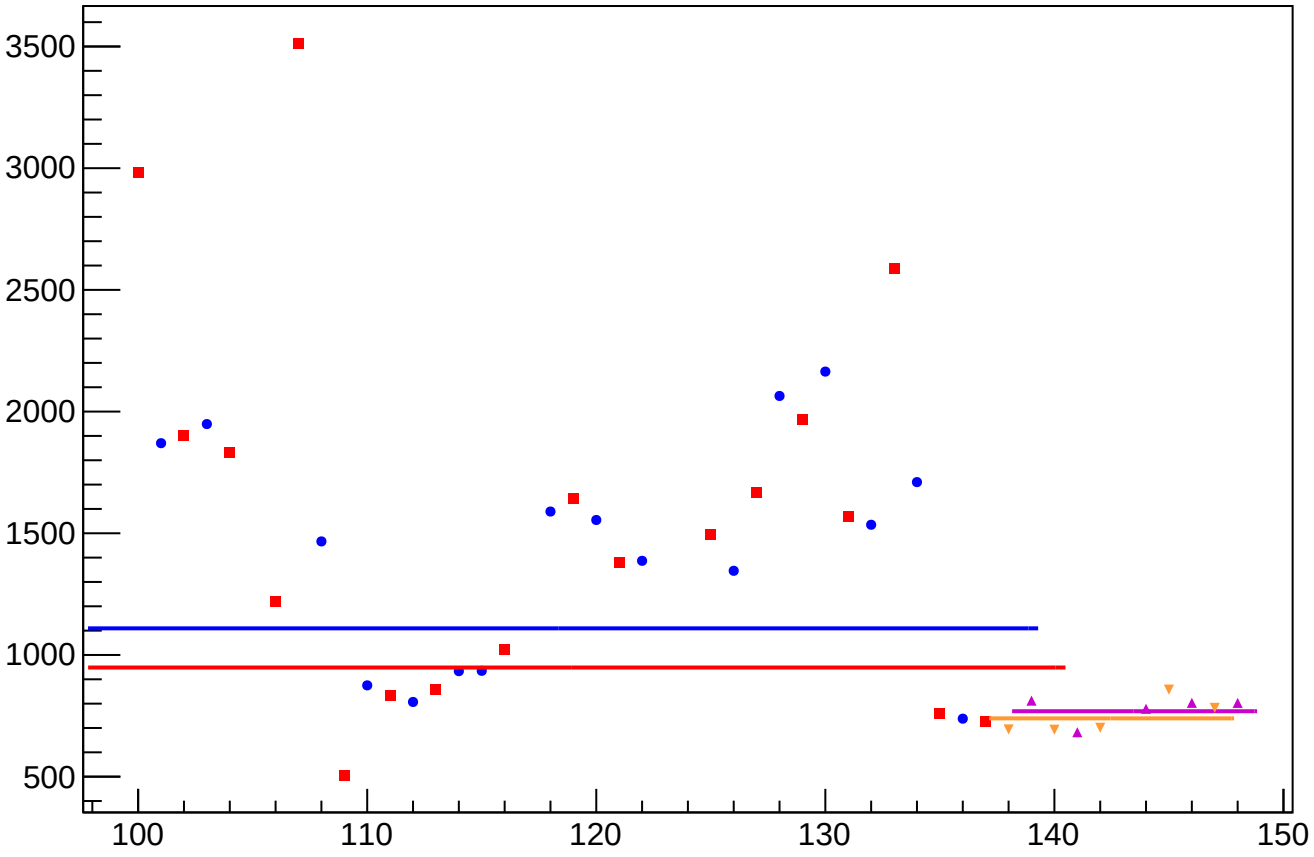
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -389.917+/-369.643 χ^2/NDF:3.5/4

\+ sign -384.149+/-292.372 χ^2/NDF: 44.1/20

All: -492.822+/-198.591 χ^2/NDF: 60.7/43

\- sign -585.907+/-270.591 χ^2/NDF: 16.3/22



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

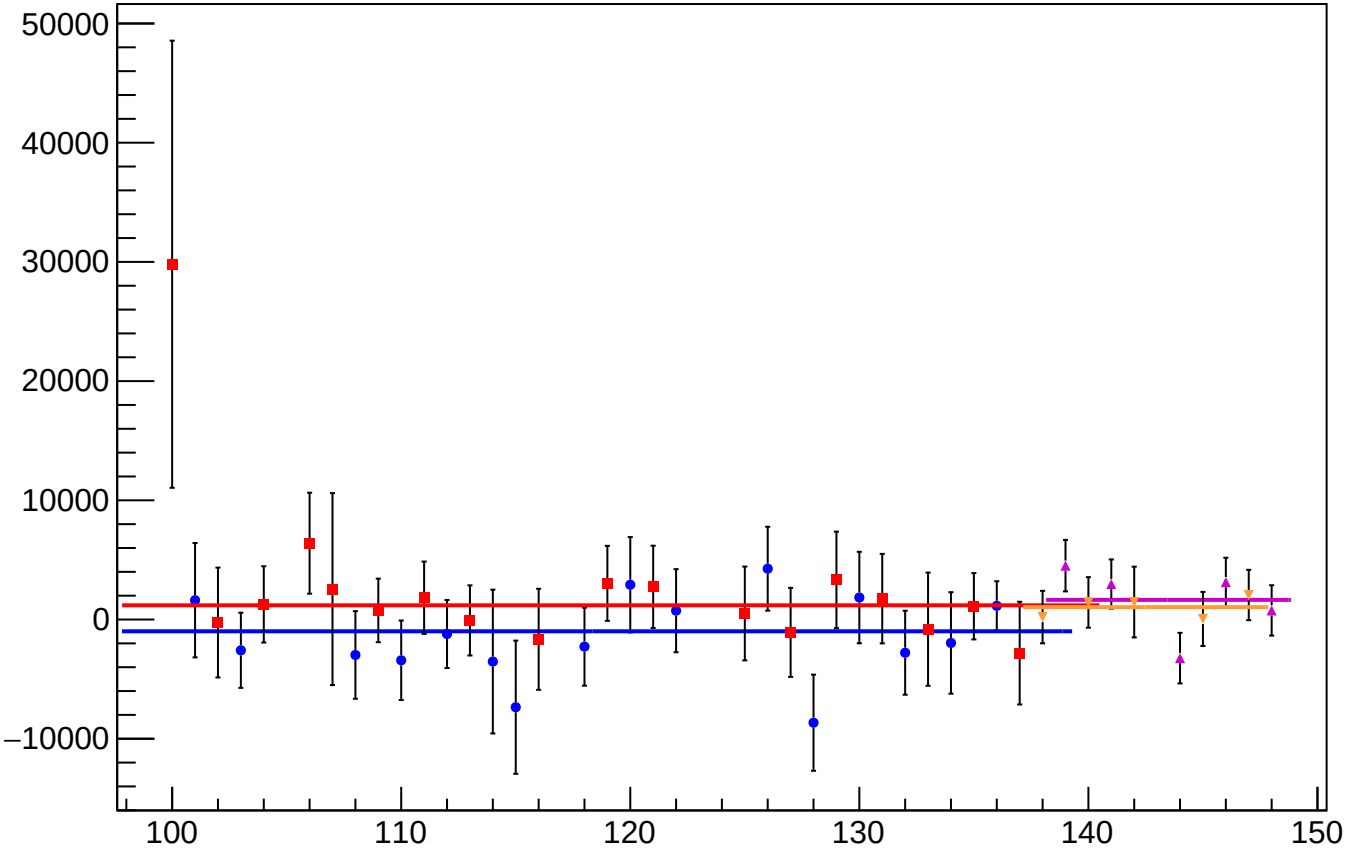
Left In: 768.876+/-0.261 χ^2/NDF:39569.1/4

+ sign 898.536+/-0.207 χ^2/NDF: 2810046.0/20

All: 873.587+/-0.140 χ^2/NDF: 6149345.7/43

- sign 852.217+/-0.191 χ^2/NDF: 3312262.5/22

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

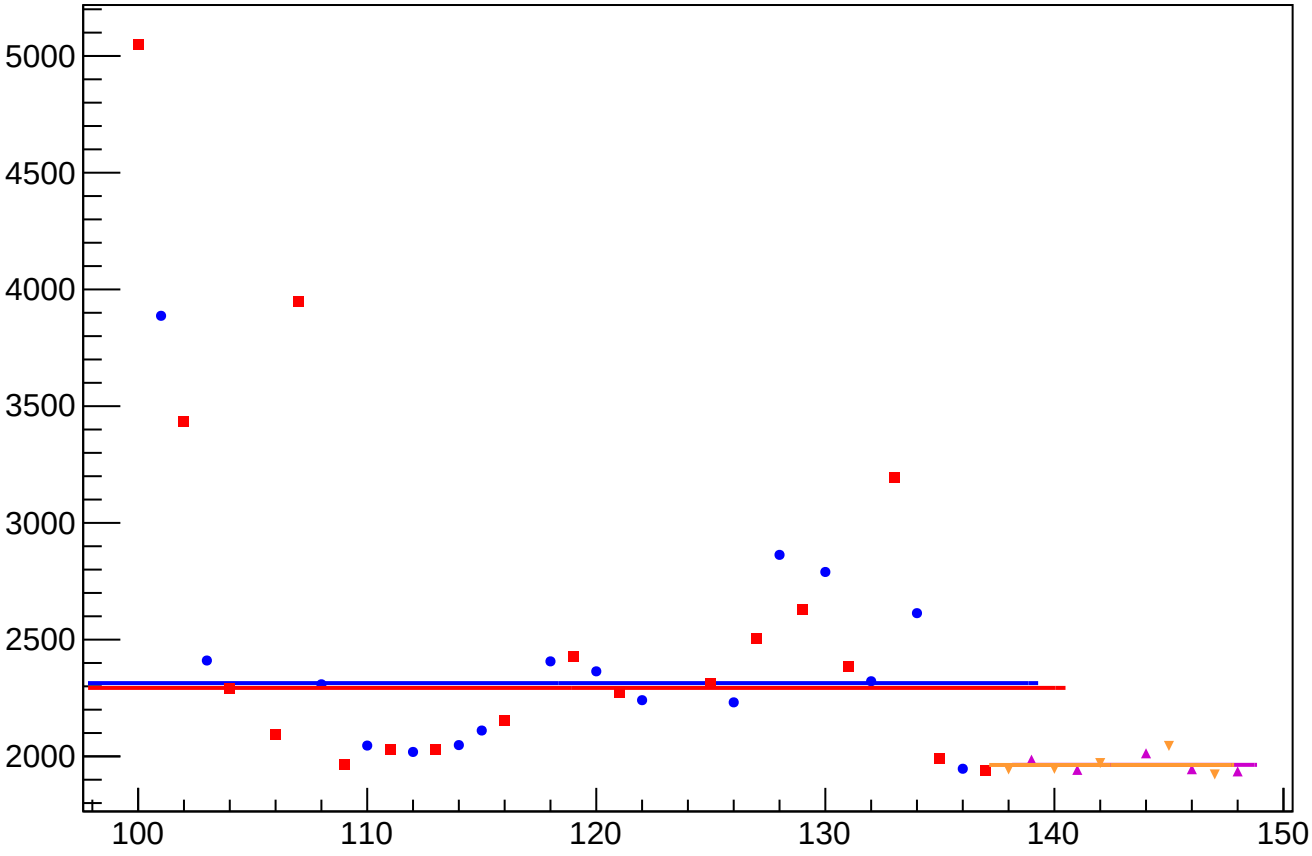
Left In: 1647.566+/-939.001 χ^2/NDF:8.2/4

+ sign -129.864+/-663.677 χ^2/NDF: 14.9/20

All: 666.180+/-460.077 χ^2/NDF: 32.9/43

- sign 1402.636+/-638.355 χ^2/NDF: 15.3/22

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

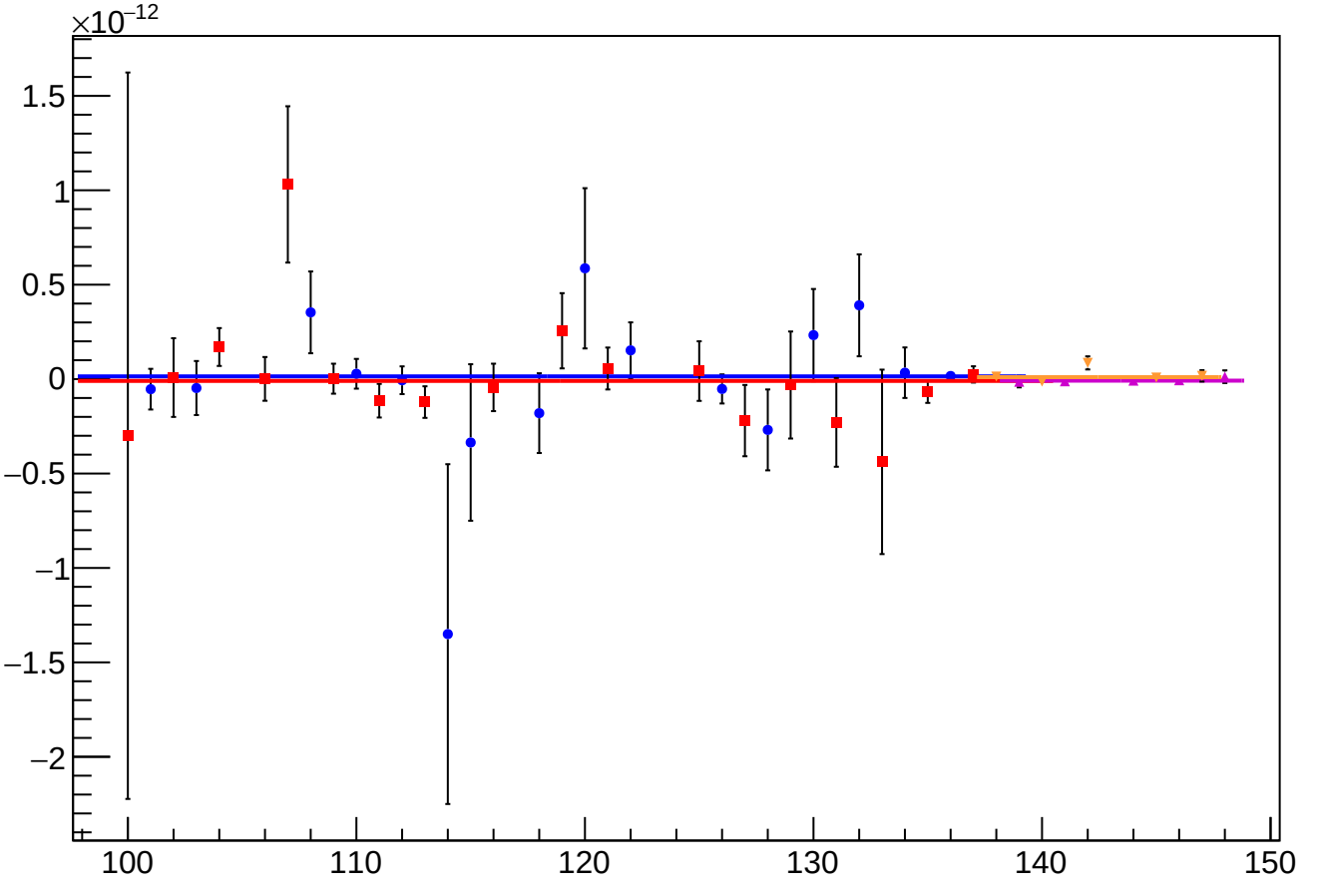
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.707+/-0.664 χ^2/NDF:2034.3/4

+ sign 2165.391+/-0.469 χ^2/NDF: 542582.6/20

All: 2152.702+/-0.325 χ^2/NDF: 1131734.5/43

- sign 2140.963+/-0.451 χ^2/NDF: 587744.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/4

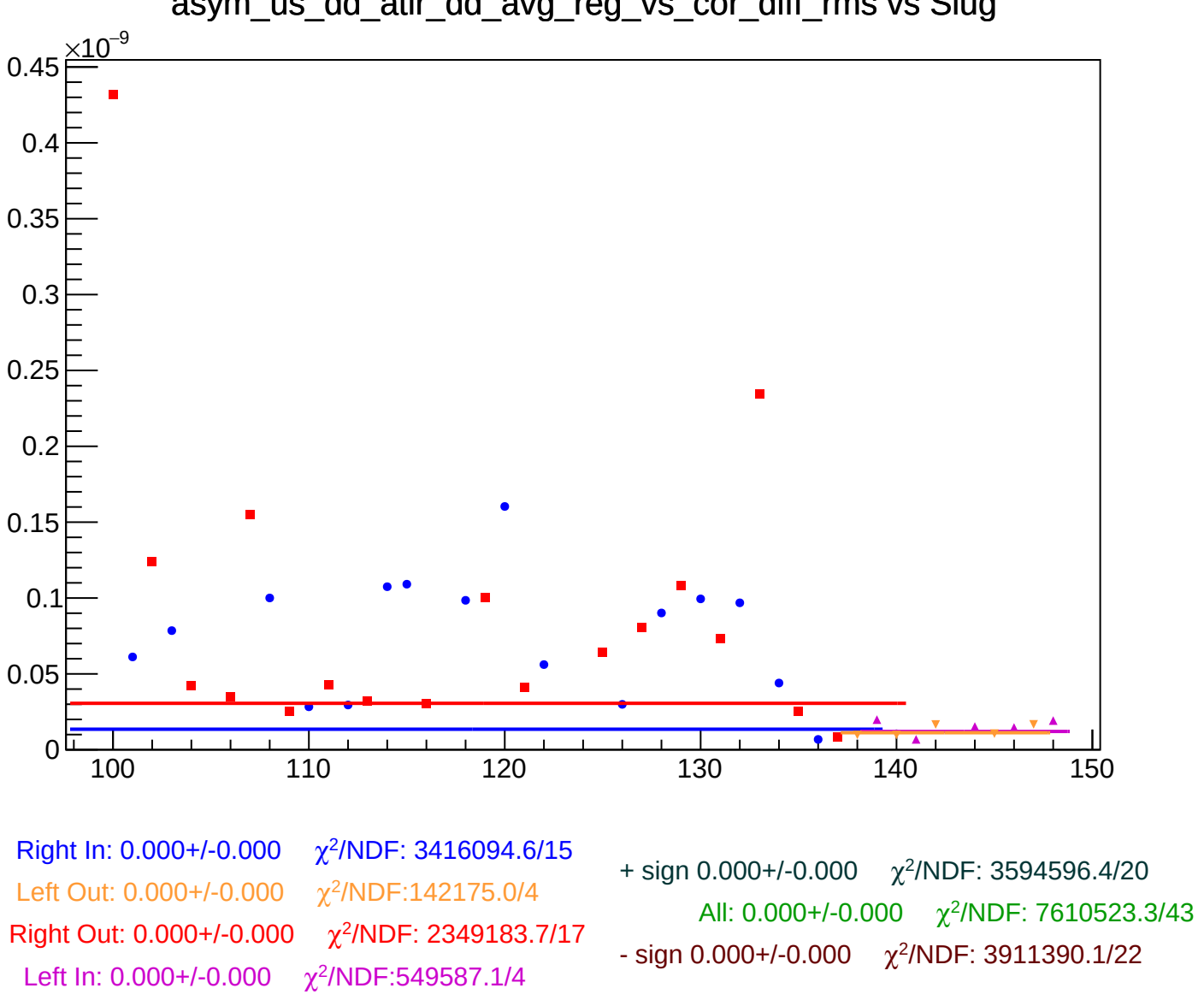
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

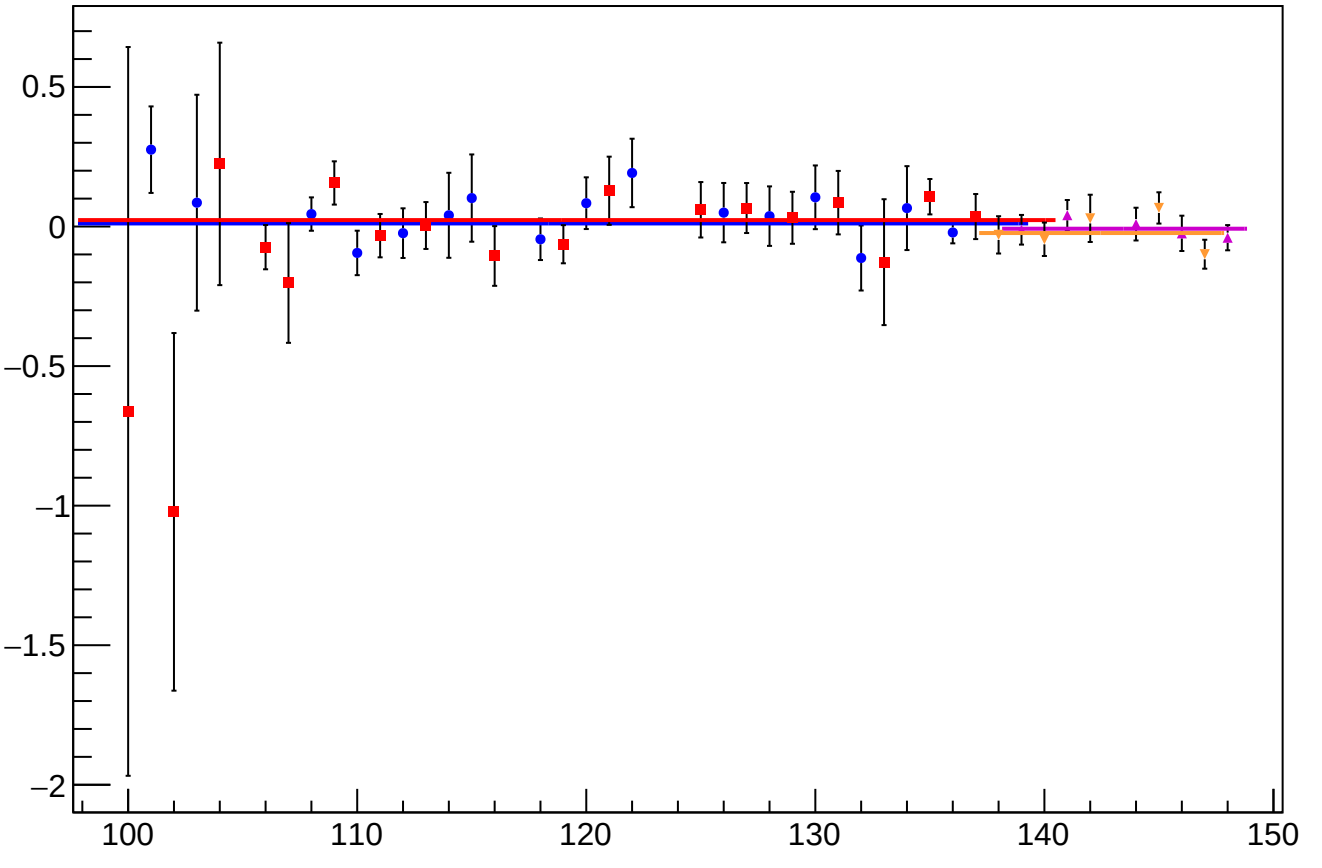
Left In: -0.000+/-0.000 χ^2/NDF:0.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/43

- sign -0.000+/-0.000 χ^2/NDF: 20.0/22


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
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:549587.1/4
+ sign 0.000+/-0.000 χ²/NDF: 3594596.4/20
All: 0.000+/-0.000 χ²/NDF: 7610523.3/43
- sign 0.000+/-0.000 χ²/NDF: 3911390.1/22



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

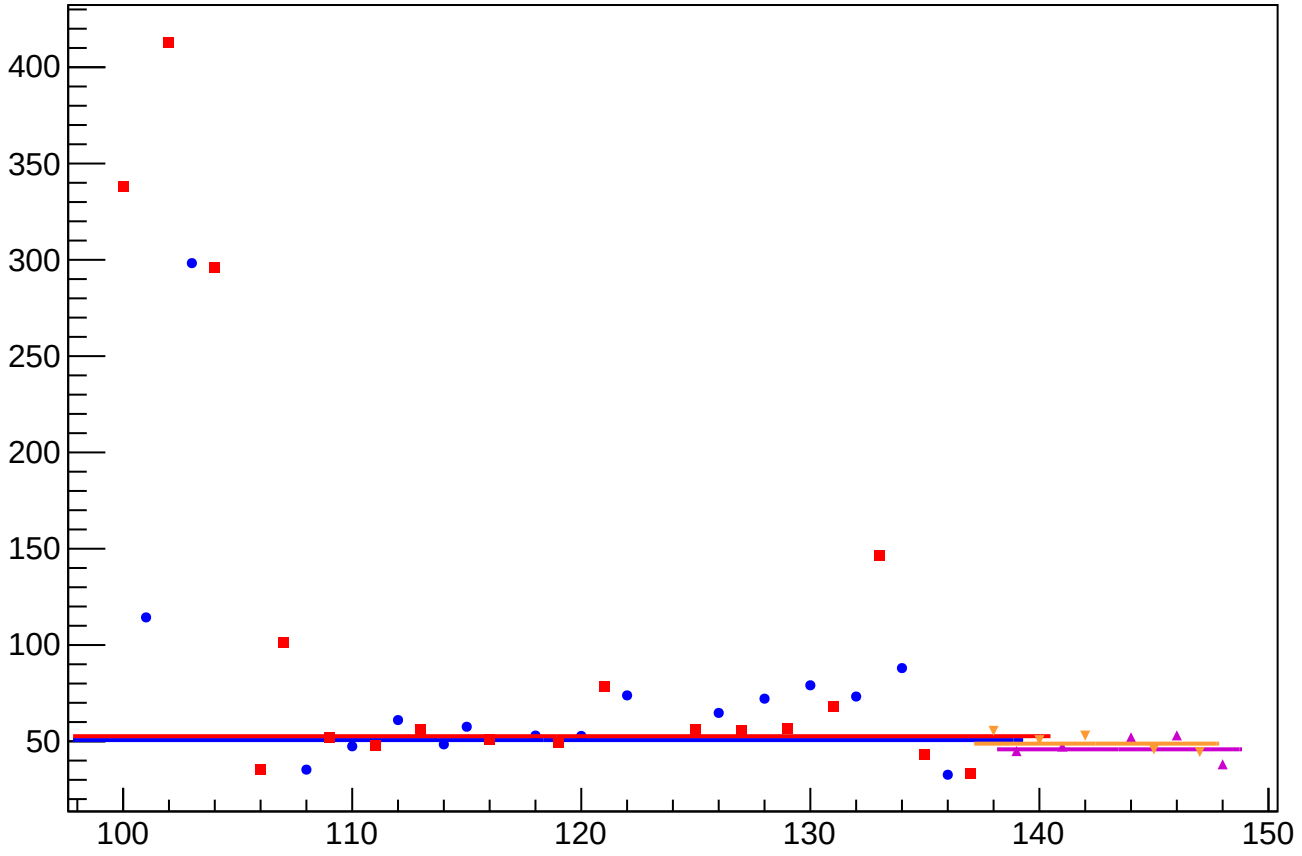
Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.003+/-0.012 χ^2/NDF: 36.4/43

- sign 0.008+/-0.017 χ^2/NDF: 18.3/22

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.791+/-0.019 χ^2/NDF:46103.0/4

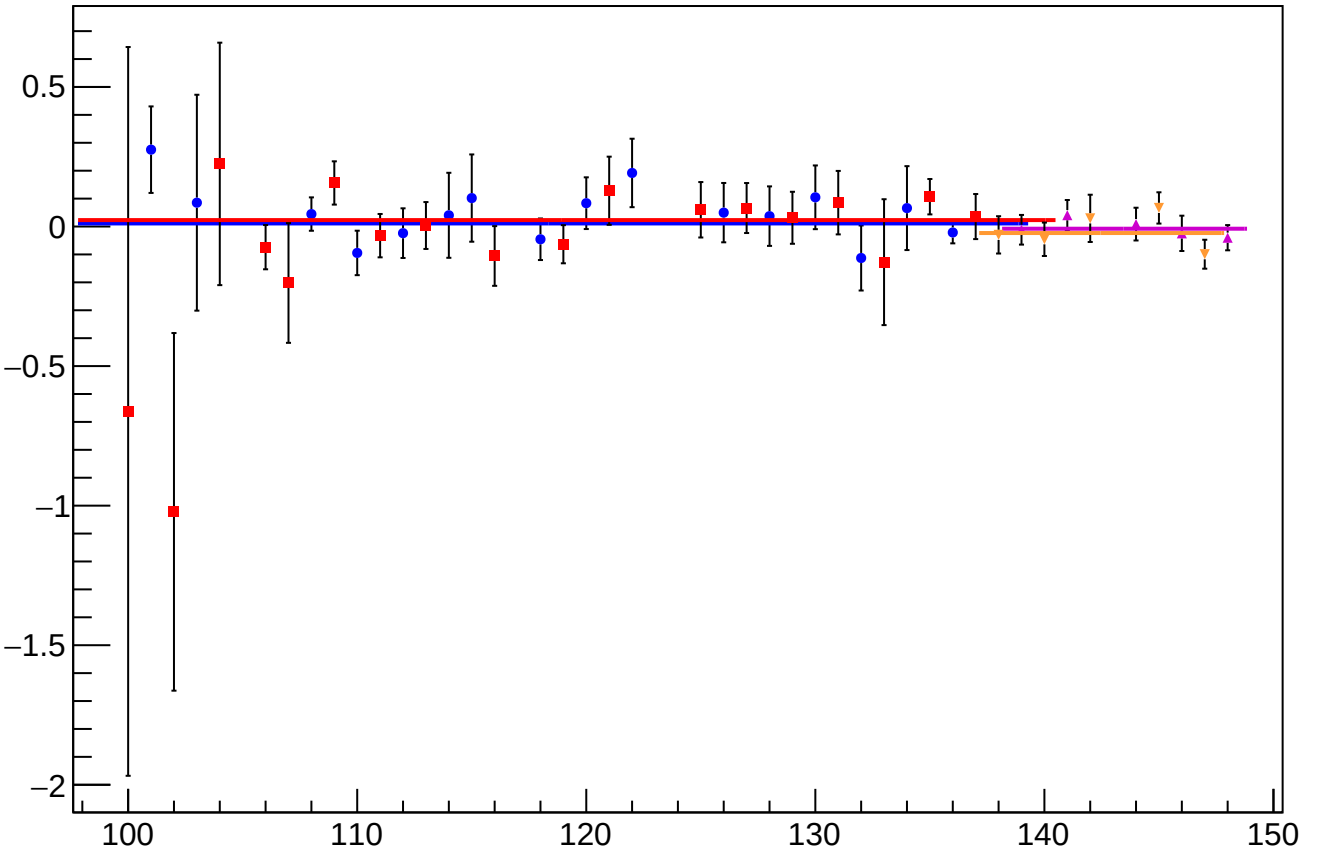
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

+ sign 49.923+/-0.012 χ^2/NDF: 2318147.6/20

All: 49.653+/-0.008 χ^2/NDF: 4724826.5/43

- sign 49.397+/-0.012 χ^2/NDF: 2405707.4/22



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

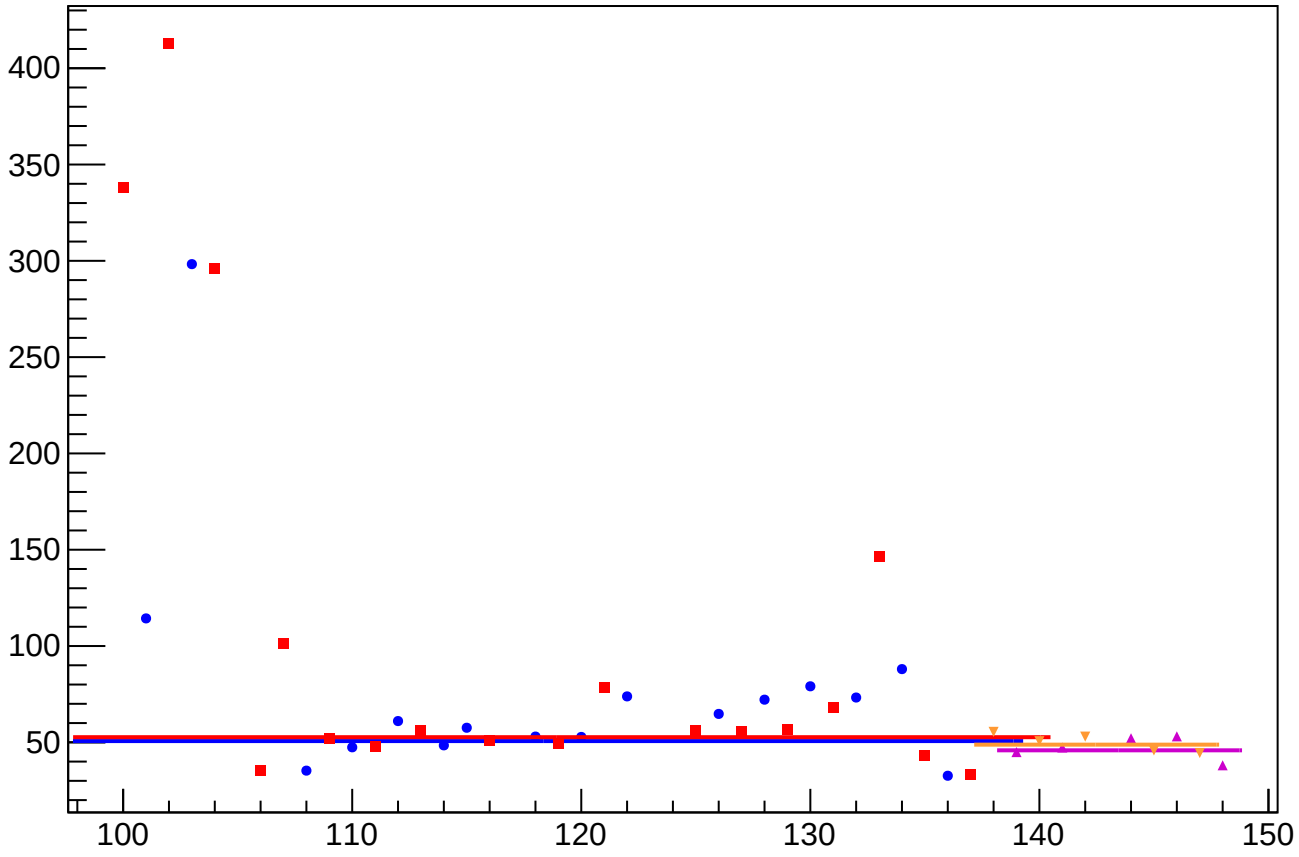
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.003+/-0.012 χ^2/NDF: 36.4/43

- sign 0.008+/-0.017 χ^2/NDF: 18.3/22



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.791+/-0.019 χ^2/NDF:46103.0/4

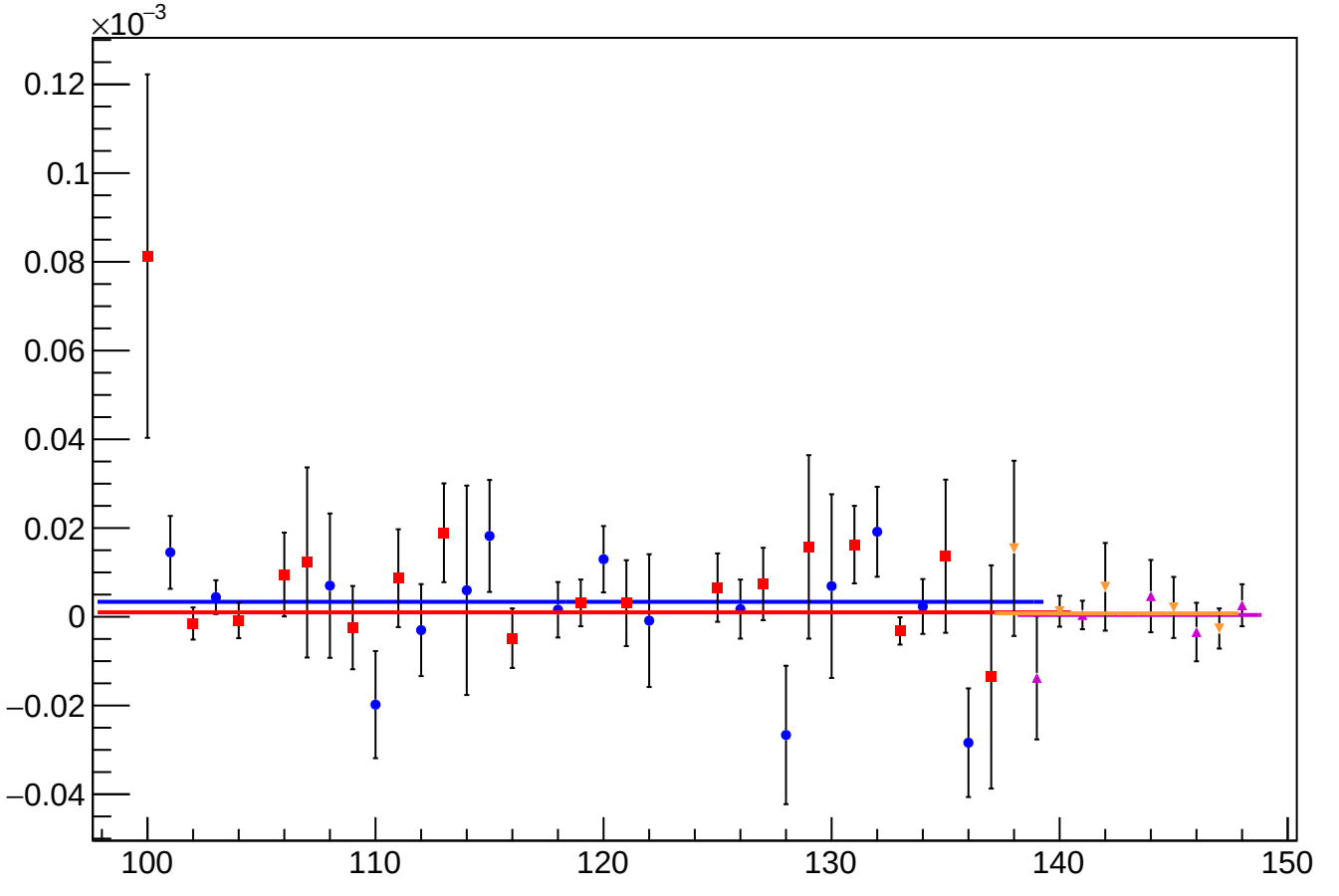
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

+ sign 49.923+/-0.012 χ^2/NDF: 2318147.6/20

All: 49.653+/-0.008 χ^2/NDF: 4724826.5/43

- sign 49.397+/-0.012 χ^2/NDF: 2405707.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

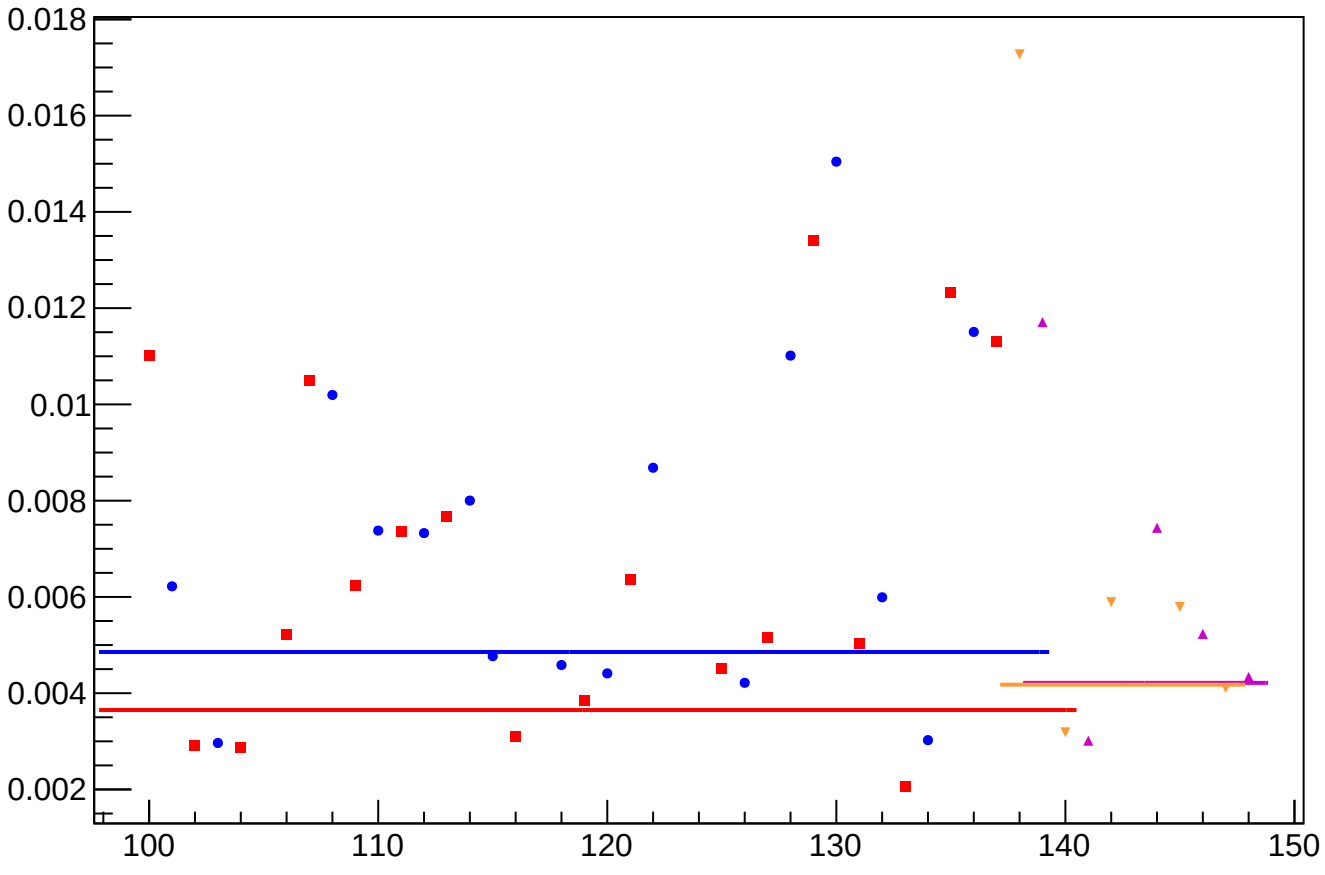
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/43

- sign 0.000+/-0.000 χ^2/NDF: 19.1/22



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211815.9/4

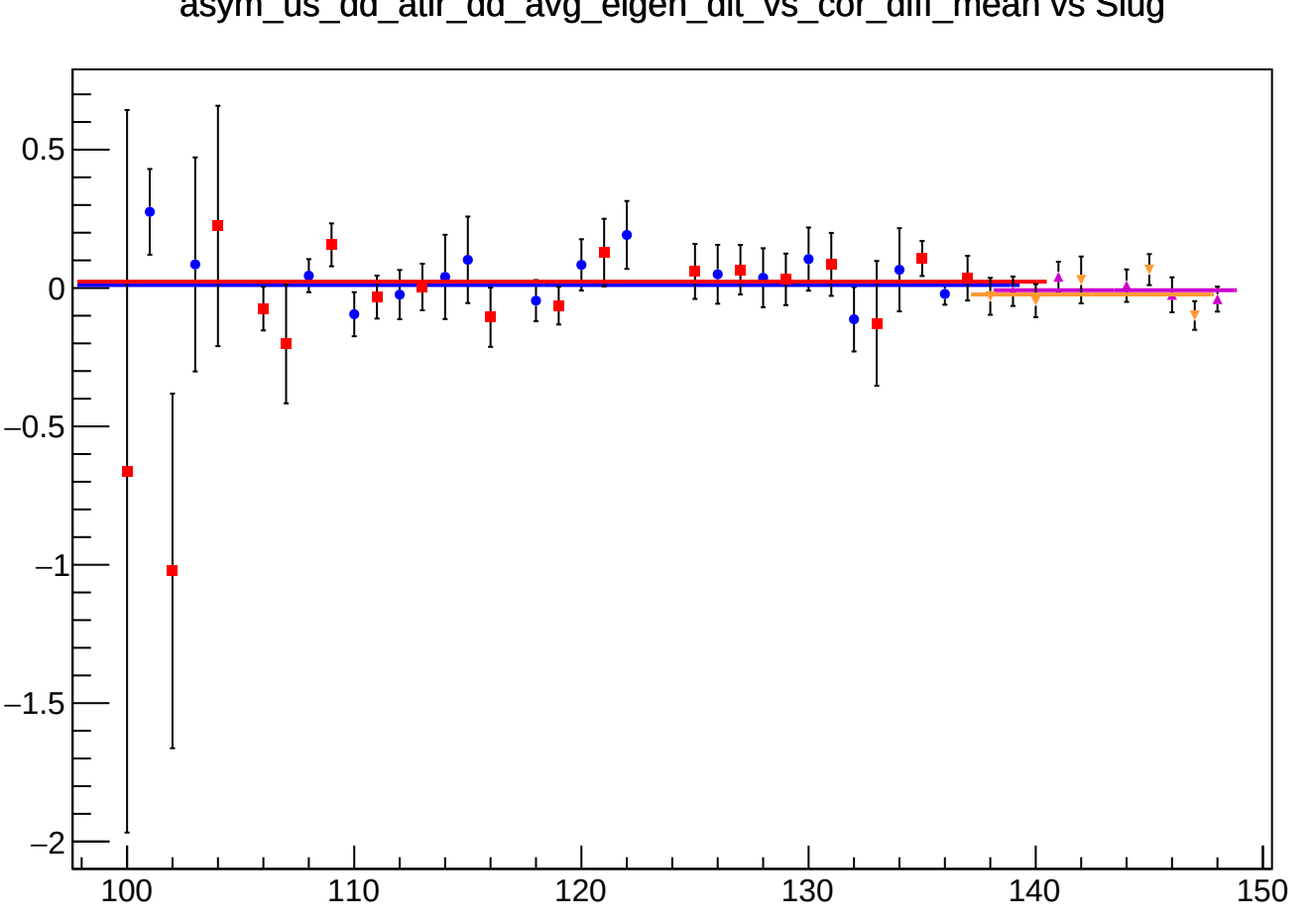
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1224416.2/4

+ sign 0.005+/-0.000 χ^2/NDF: 4045856.6/20

All: 0.004+/-0.000 χ^2/NDF: 8724816.0/43

- sign 0.004+/-0.000 χ^2/NDF: 4414177.2/22



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

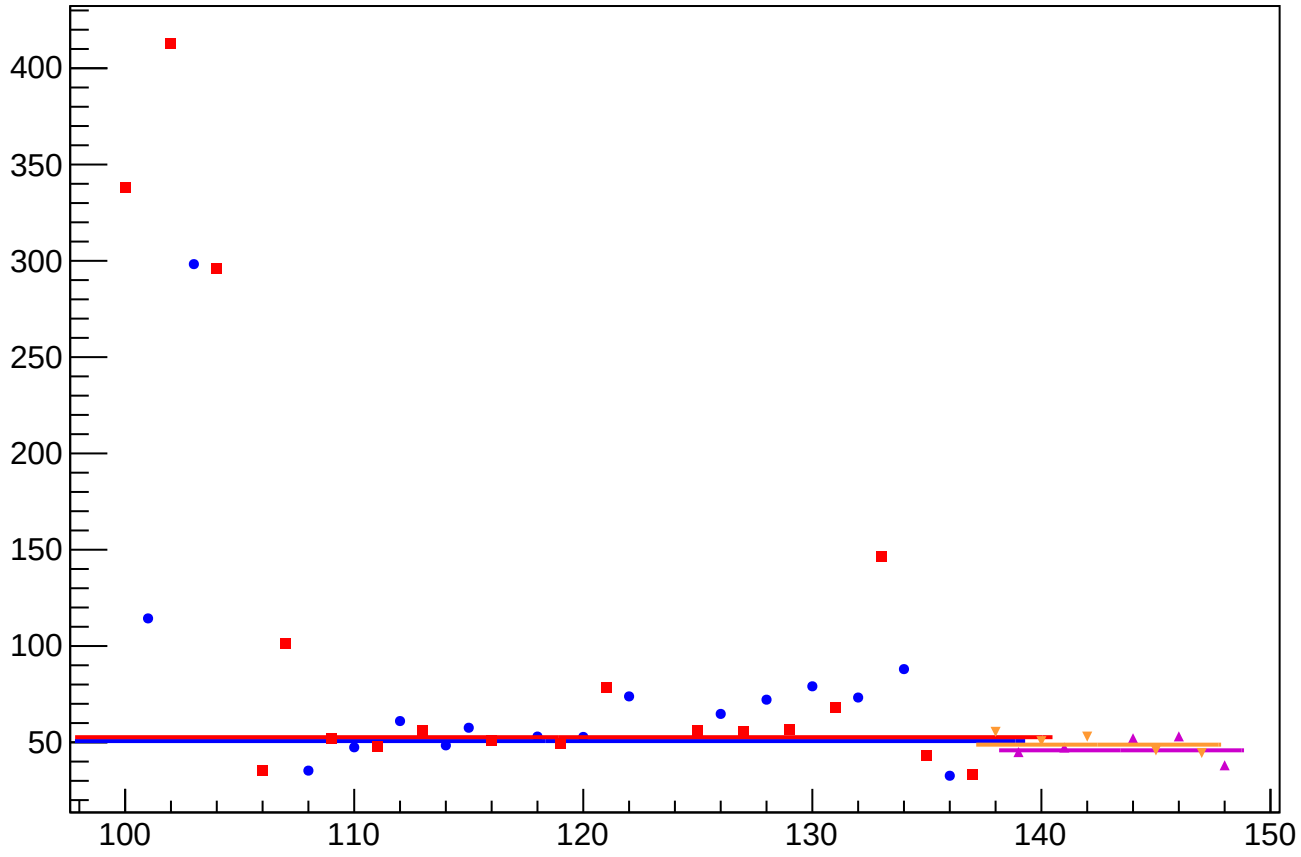
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.003+/-0.012 χ^2/NDF: 36.4/43

- sign 0.008+/-0.017 χ^2/NDF: 18.3/22



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.792+/-0.019 χ^2/NDF:46113.4/4

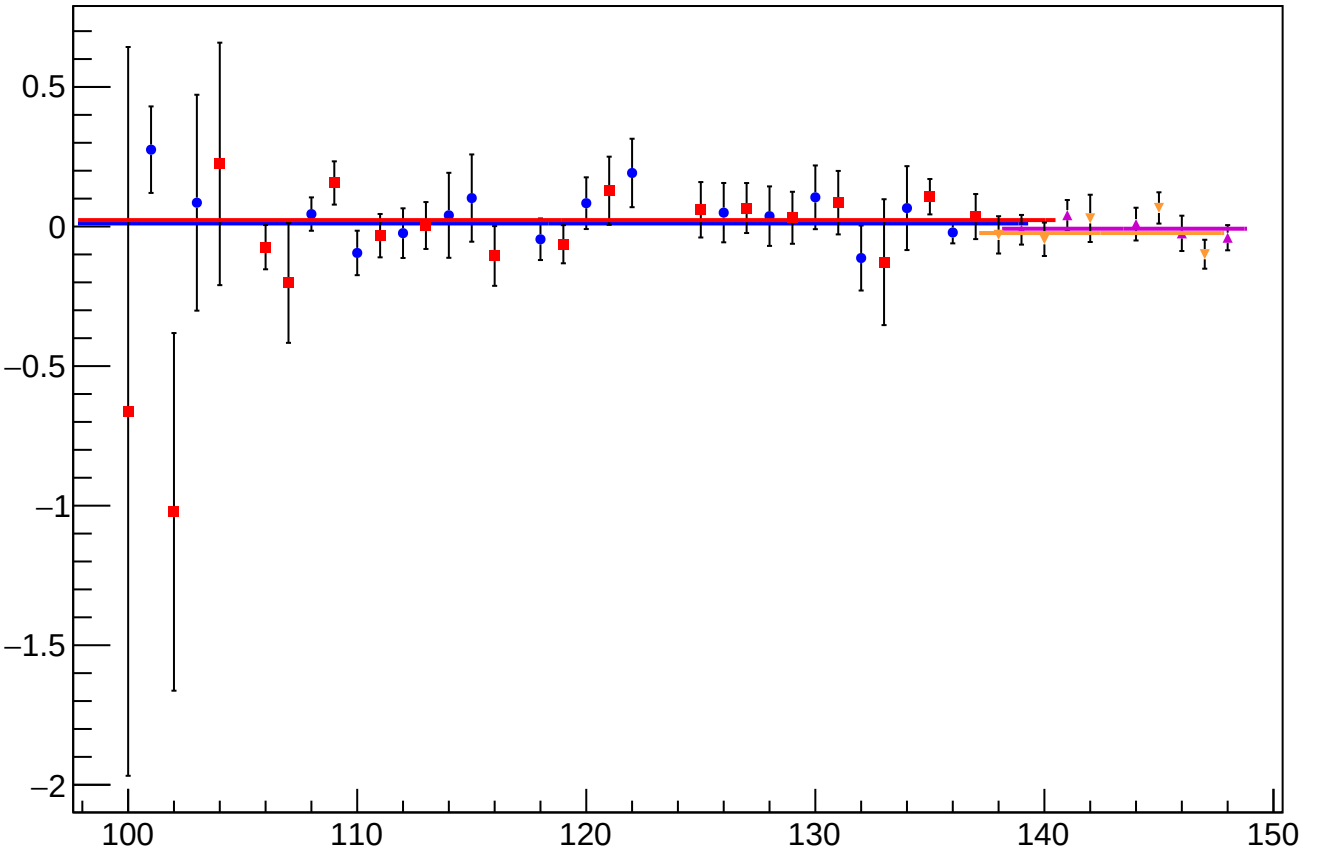
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.847+/-0.017 χ^2/NDF:110260.4/4

+ sign 49.924+/-0.012 χ^2/NDF: 2318056.5/20

All: 49.654+/-0.008 χ^2/NDF: 4724590.1/43

- sign 49.398+/-0.012 χ^2/NDF: 2405562.6/22



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

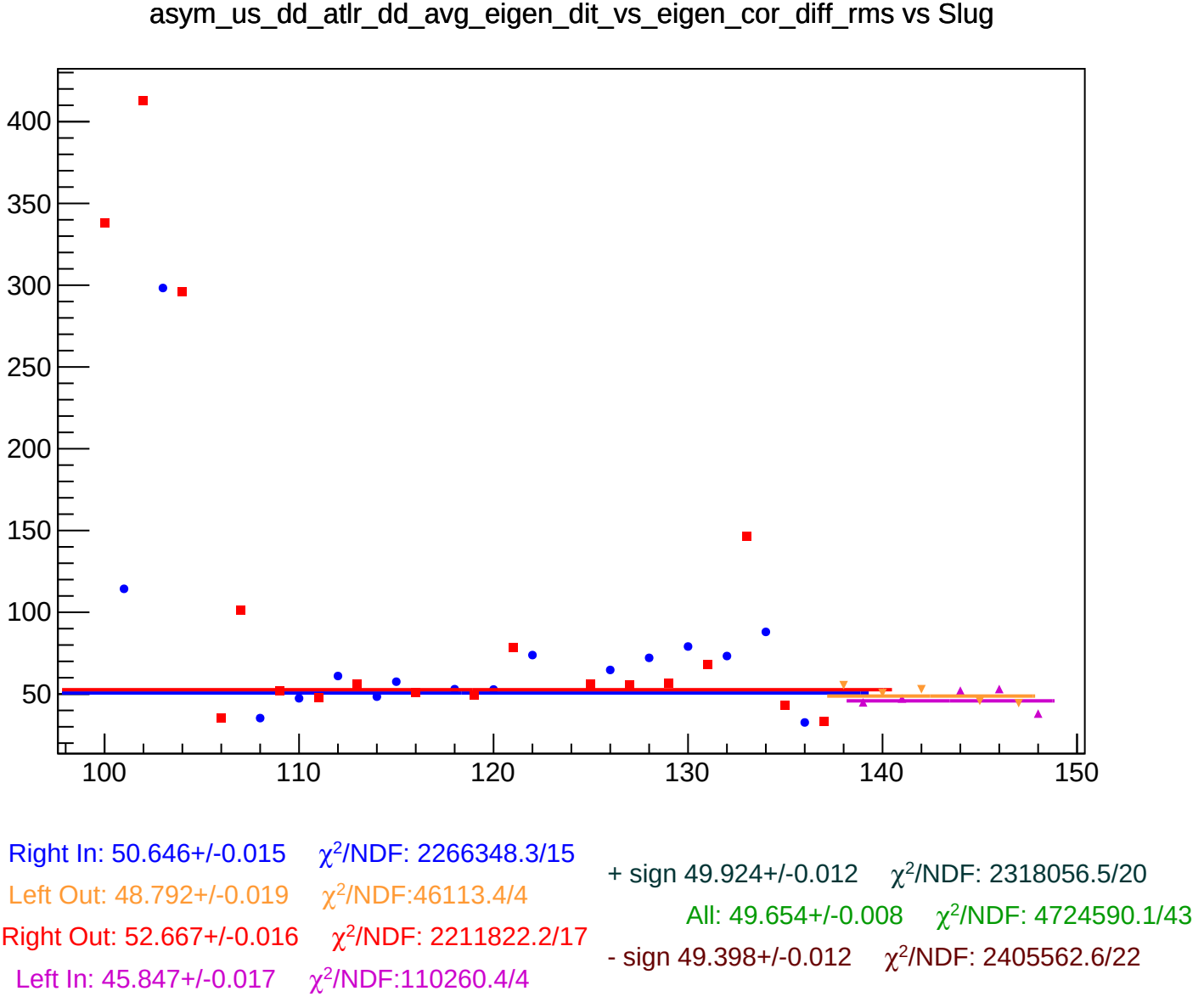
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

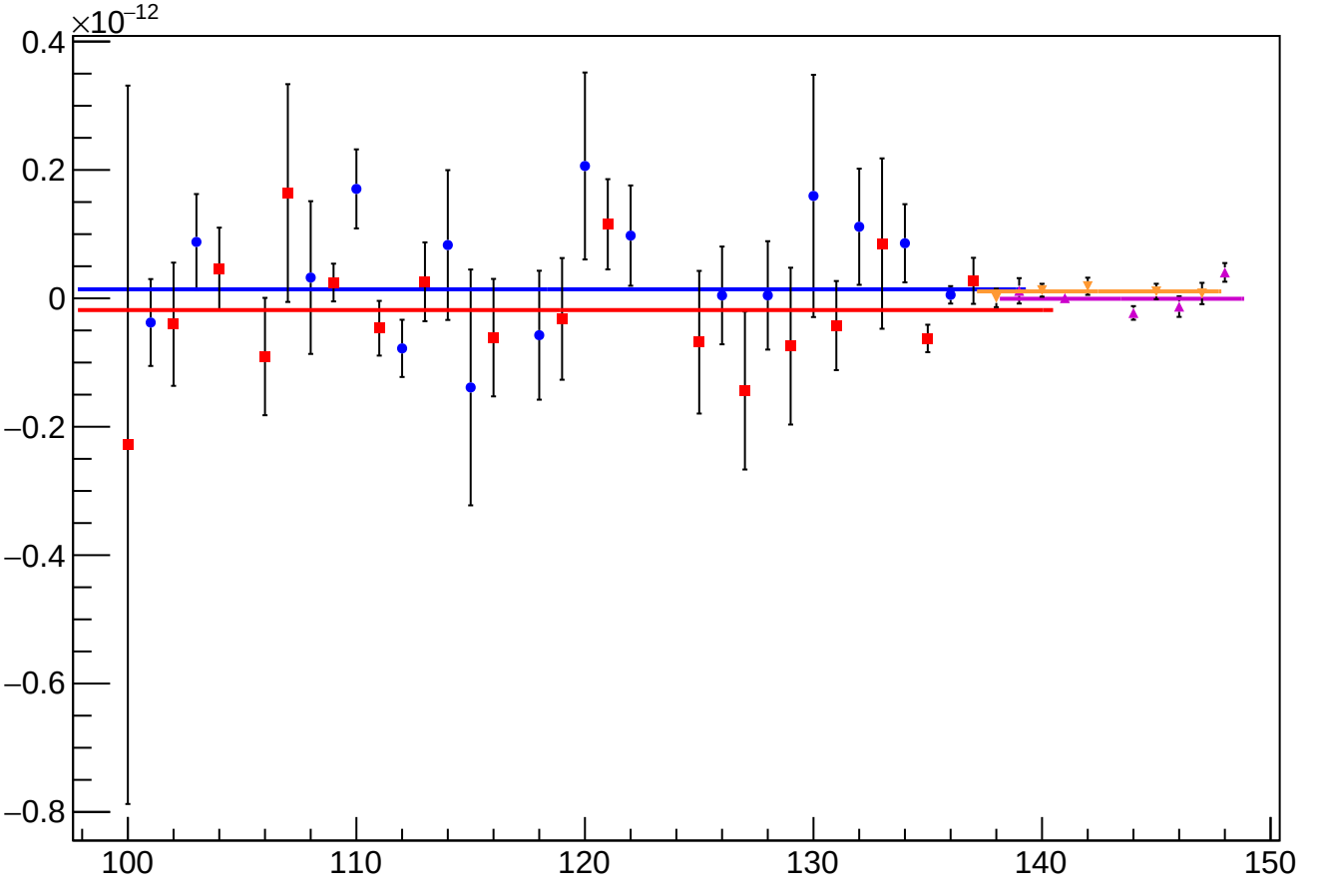
Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.002+/-0.017 χ^2/NDF: 18.0/20

All: 0.003+/-0.012 χ^2/NDF: 36.4/43

- sign 0.008+/-0.017 χ^2/NDF: 18.3/22


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
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: 45.847+/-0.017 χ²/NDF:110260.4/4
+ sign 49.924+/-0.012 χ²/NDF: 2318056.5/20
All: 49.654+/-0.008 χ²/NDF: 4724590.1/43
- sign 49.398+/-0.012 χ²/NDF: 2405562.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

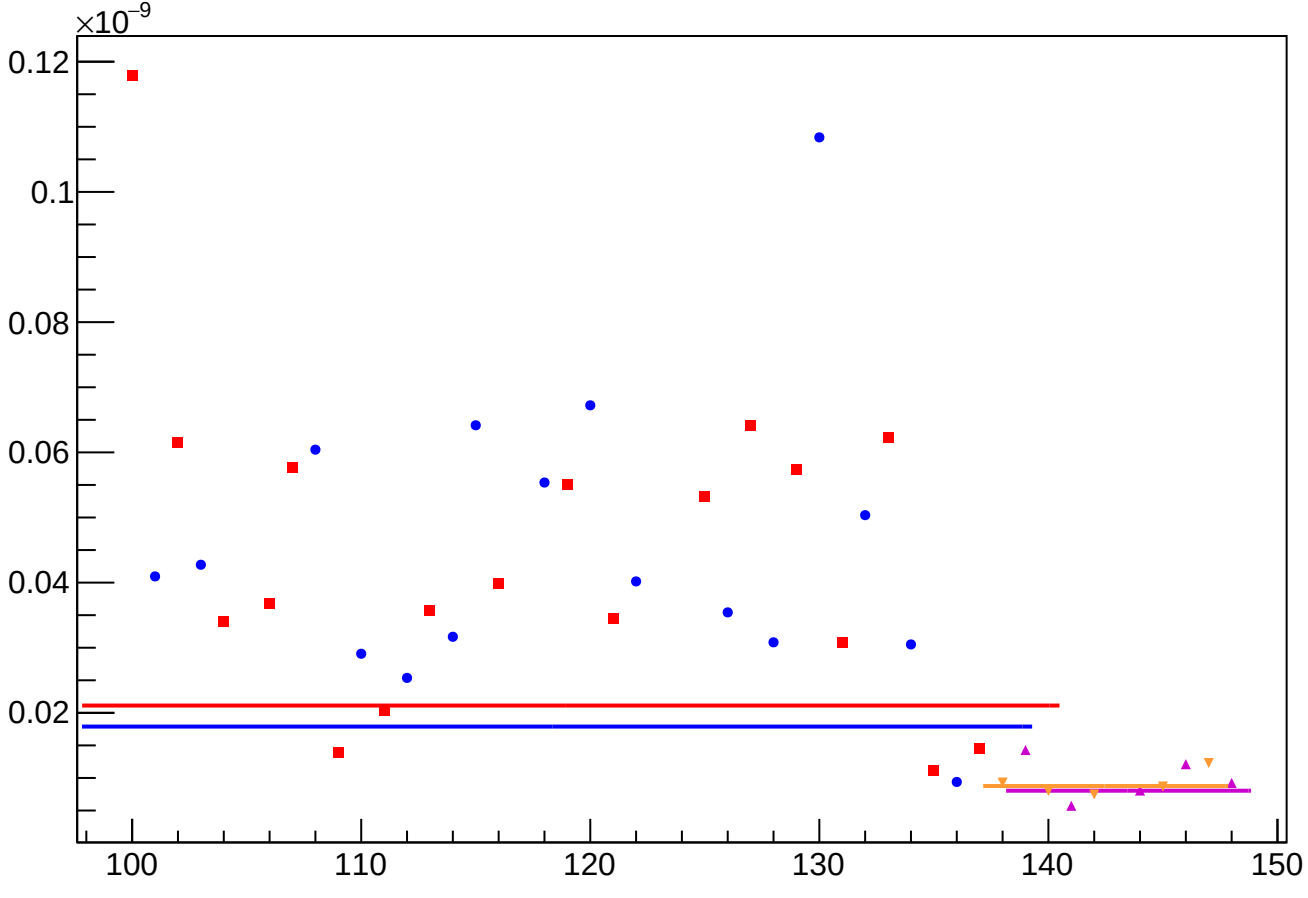
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/20

All: 0.000+/-0.000 χ^2/NDF: 58.7/43

- sign -0.000+/-0.000 χ^2/NDF: 32.9/22



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

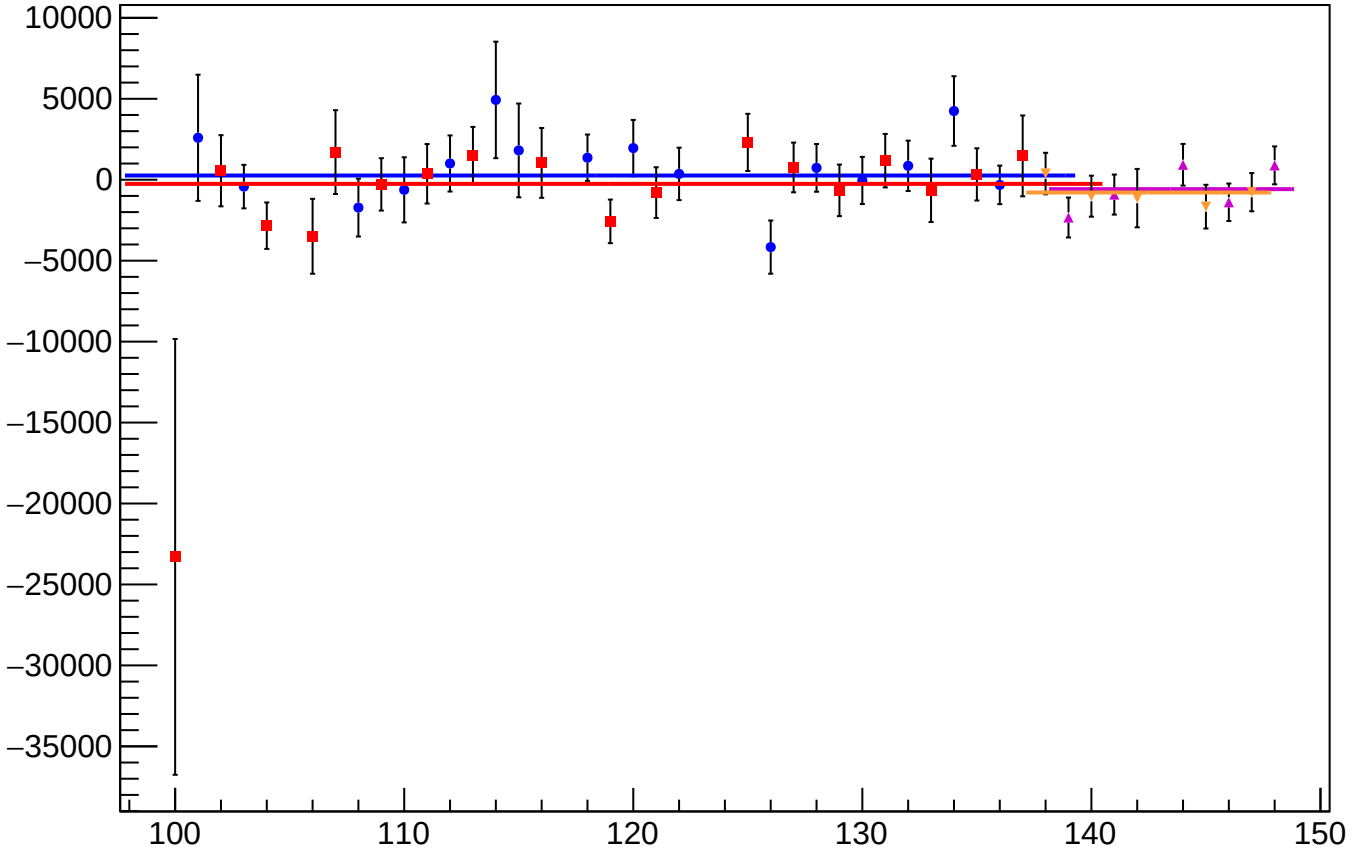
Left In: 0.000+/-0.000 χ^2/NDF:516063.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 4559286.2/20

All: 0.000+/-0.000 χ^2/NDF: 9564074.5/43

- sign 0.000+/-0.000 χ^2/NDF: 4989715.7/22

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

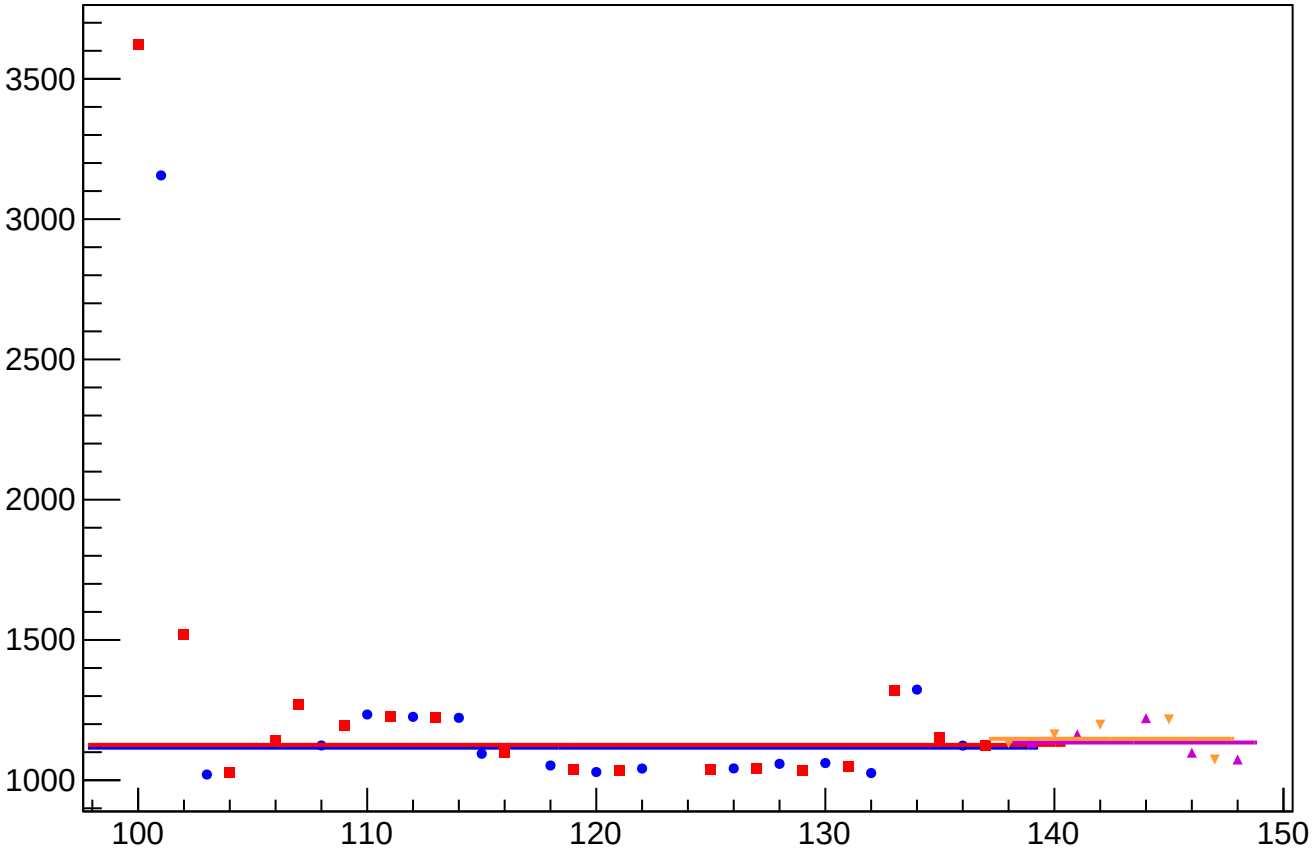
Left In: -580.770+/-542.960 χ^2/NDF:5.5/4

+ sign -91.824+/-346.056 χ^2/NDF: 20.3/20

All: -240.375+/-240.713 χ^2/NDF: 43.8/43

- sign -379.628+/-335.050 χ^2/NDF: 23.1/22

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

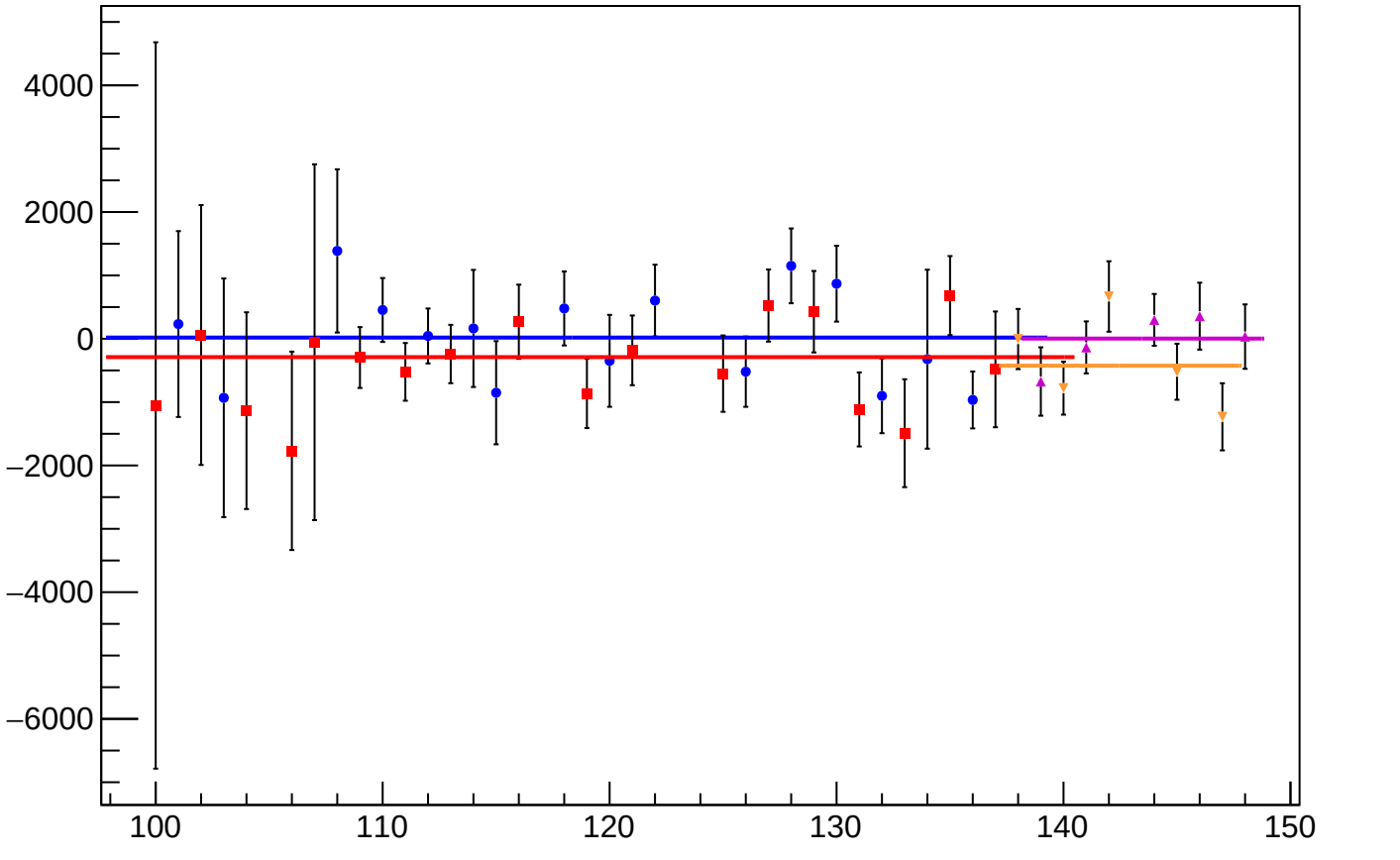
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1126.752+/-0.245 χ^2/NDF: 642384.8/20

All: 1128.029+/-0.170 χ^2/NDF: 882329.5/43

- sign 1129.225+/-0.237 χ^2/NDF: 239891.9/22



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -424.964+/-212.918 χ^2/NDF:7.7/4

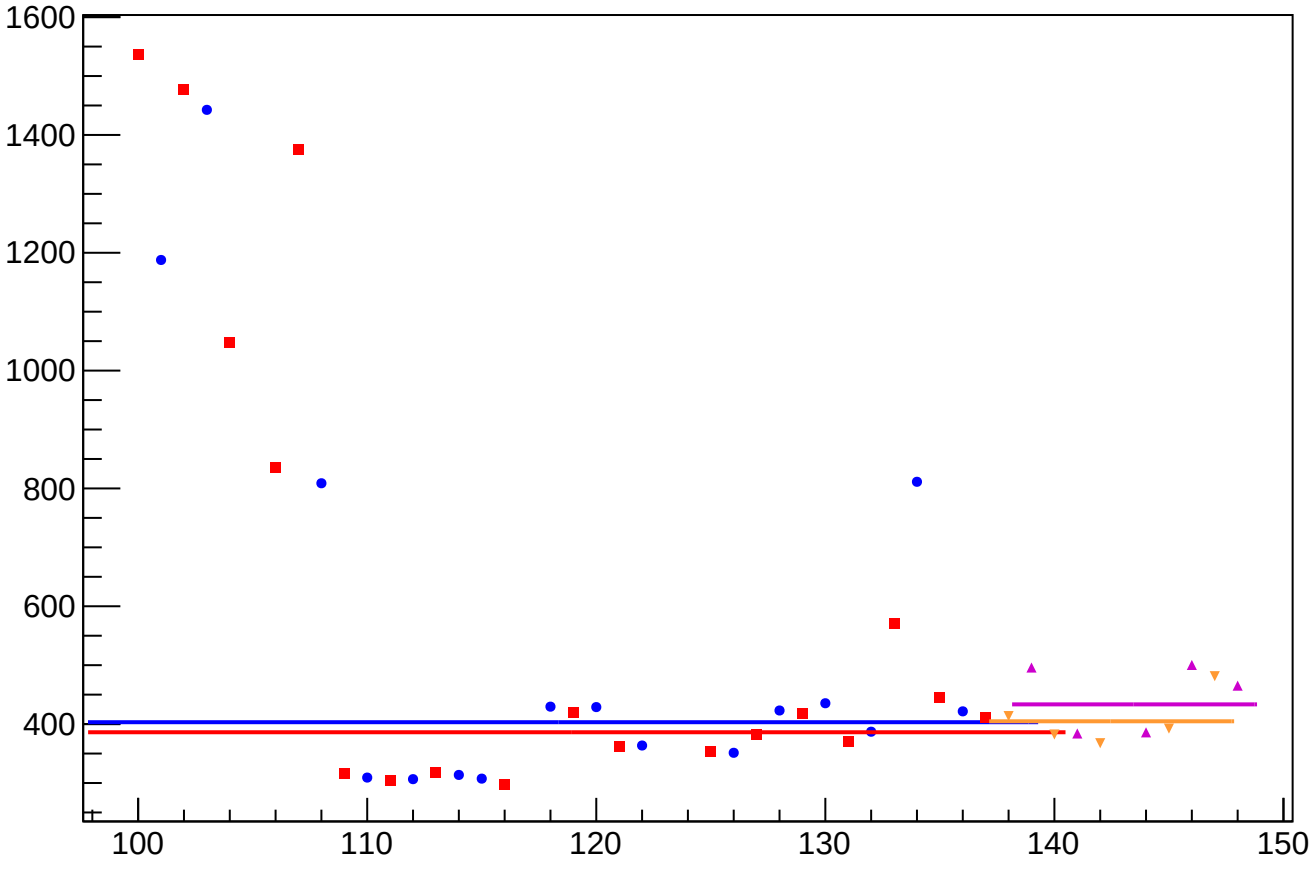
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 2.727+/-209.379 χ^2/NDF:2.7/4

\+ sign -143.145+/-128.539 χ^2/NDF: 29.7/20

All: -164.783+/-89.685 χ^2/NDF: 47.1/43

\- sign -185.310+/-125.193 χ^2/NDF: 17.4/22



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

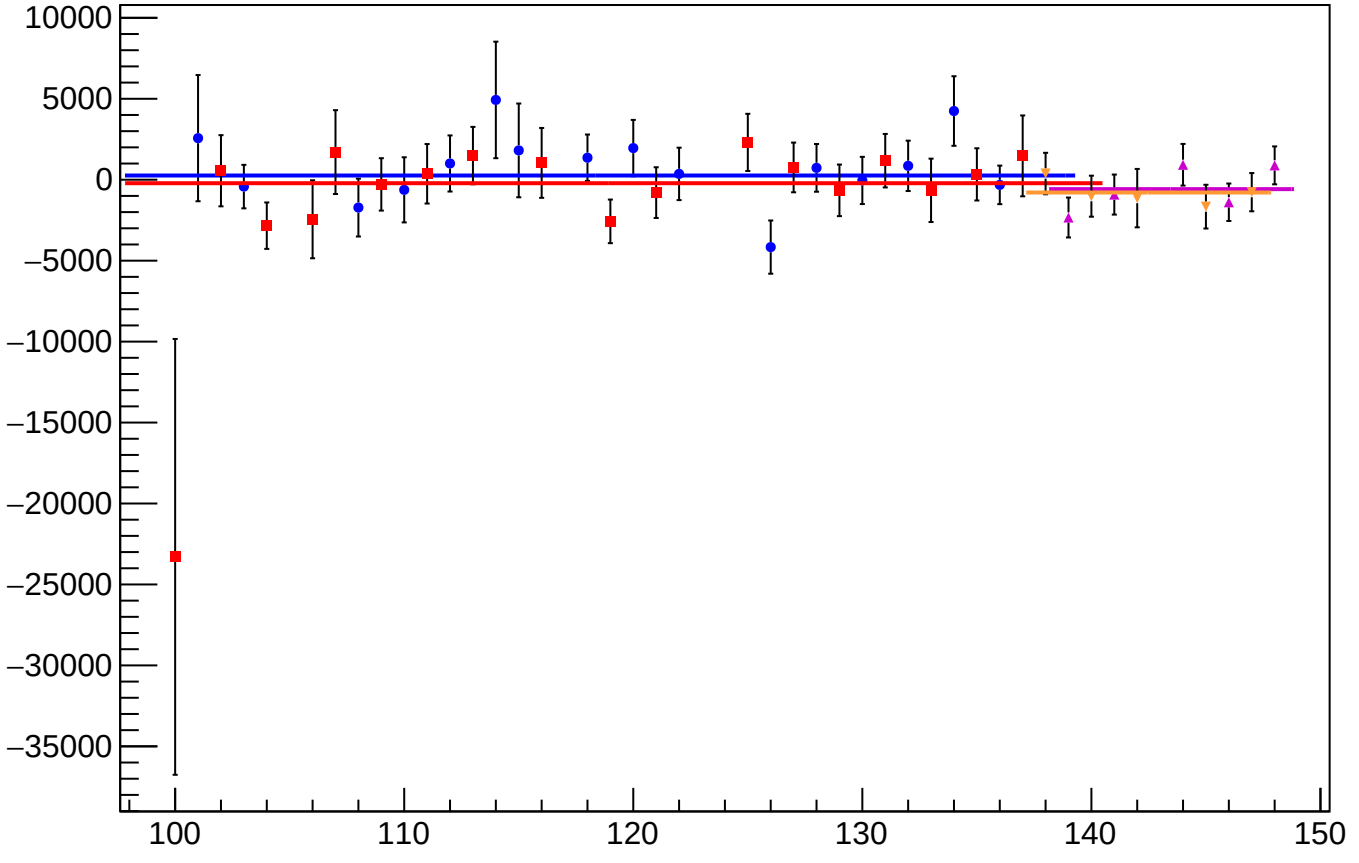
Left In: 433.470+/-0.148 χ^2/NDF:122780.1/4

+ sign 403.762+/-0.091 χ^2/NDF: 1867167.6/20

All: 403.405+/-0.063 χ^2/NDF: 3814733.4/43

- sign 403.065+/-0.089 χ^2/NDF: 1947535.6/22

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

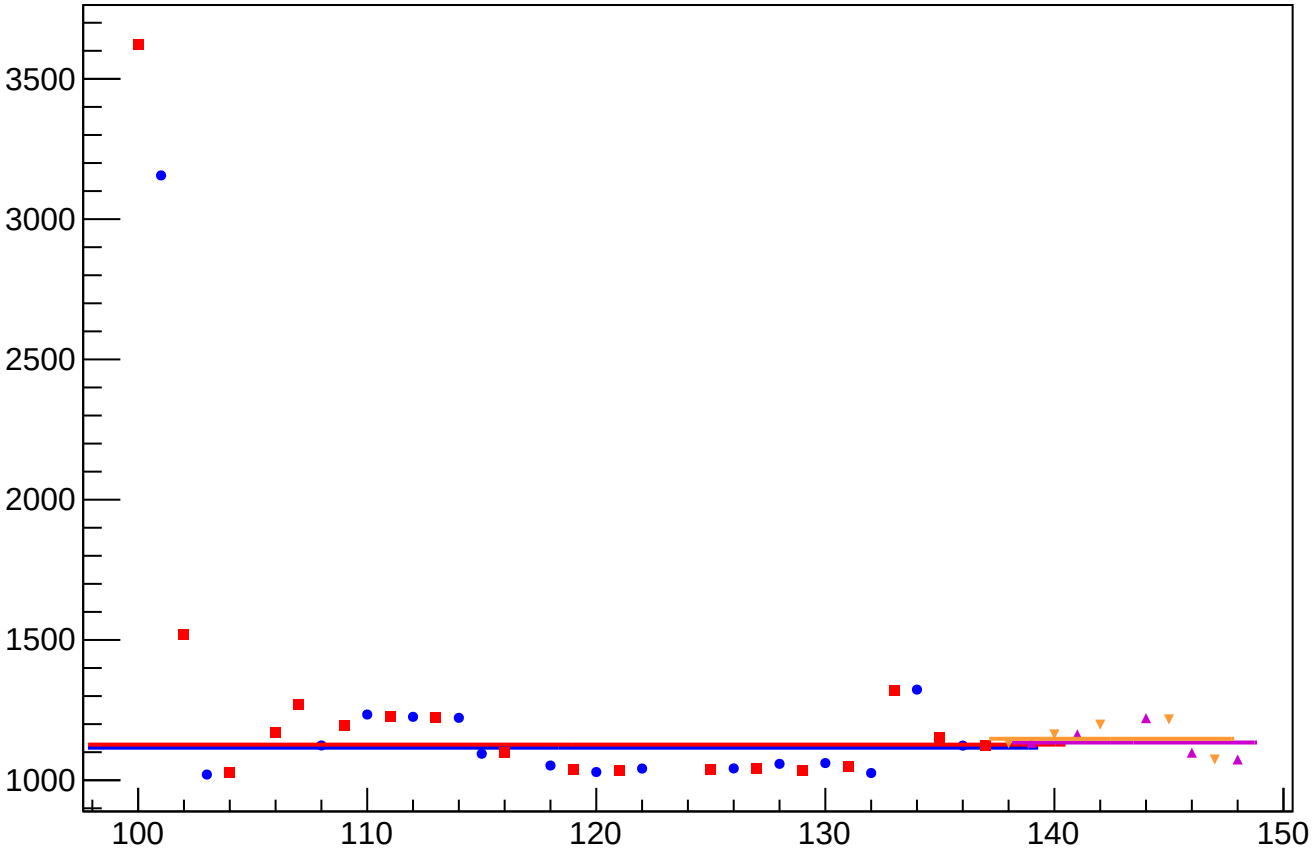
Left In: -580.779+/-542.960 χ^2/NDF:5.5/4

+ sign -92.077+/-346.056 χ^2/NDF: 20.3/20

All: -227.268+/-240.813 χ^2/NDF: 42.6/43

- sign -354.201+/-335.321 χ^2/NDF: 22.0/22

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

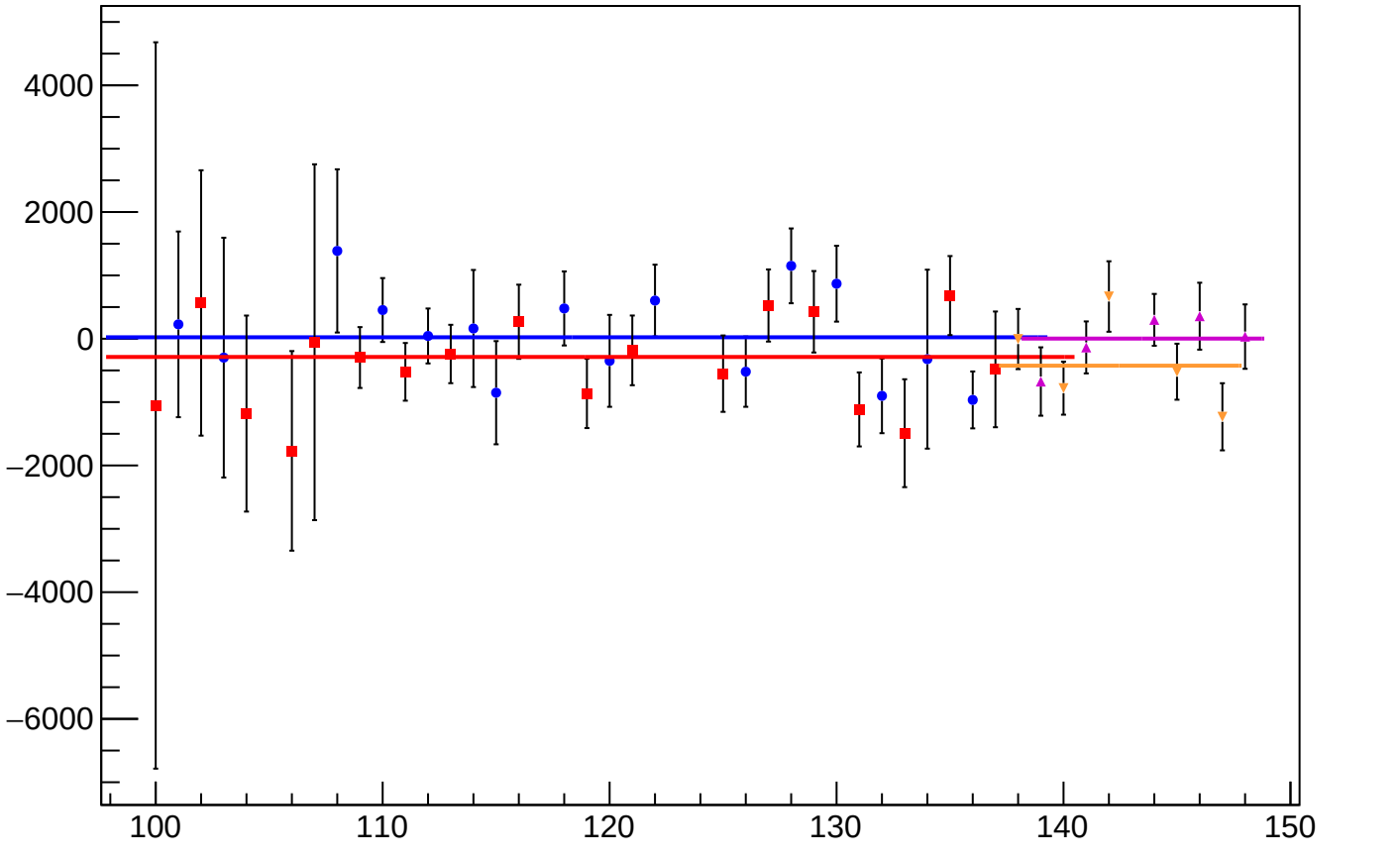
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1126.752+/-0.245 χ^2/NDF: 642385.9/20

All: 1128.332+/-0.170 χ^2/NDF: 882929.5/43

- sign 1129.815+/-0.237 χ^2/NDF: 240462.7/22



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -425.095+/-212.917 χ^2/NDF:7.7/4

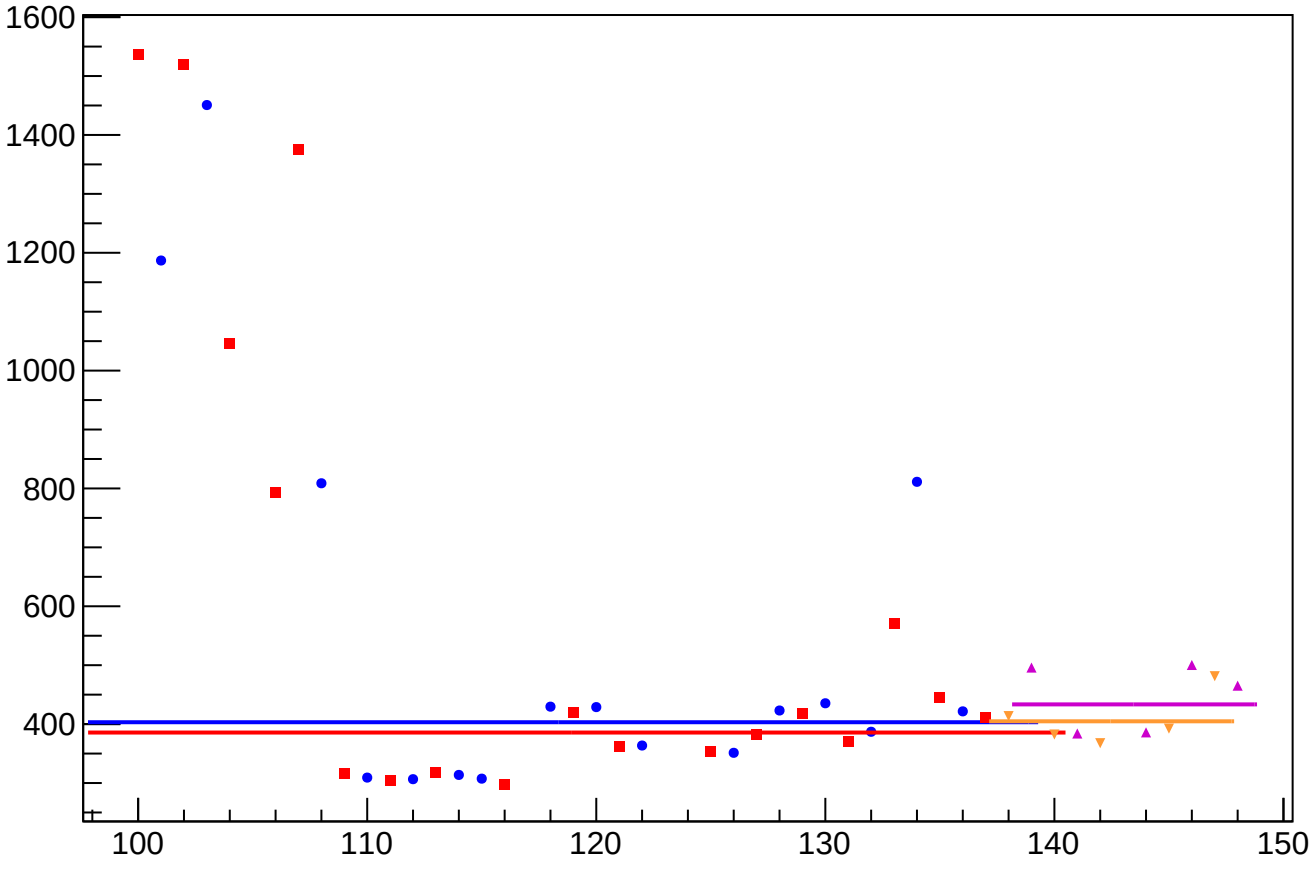
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 2.602+/-209.377 χ^2/NDF:2.7/4

+ sign -140.364+/-128.540 χ^2/NDF: 29.5/20

All: -162.671+/-89.689 χ^2/NDF: 47.1/43

- sign -183.836+/-125.205 χ^2/NDF: 17.6/22



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

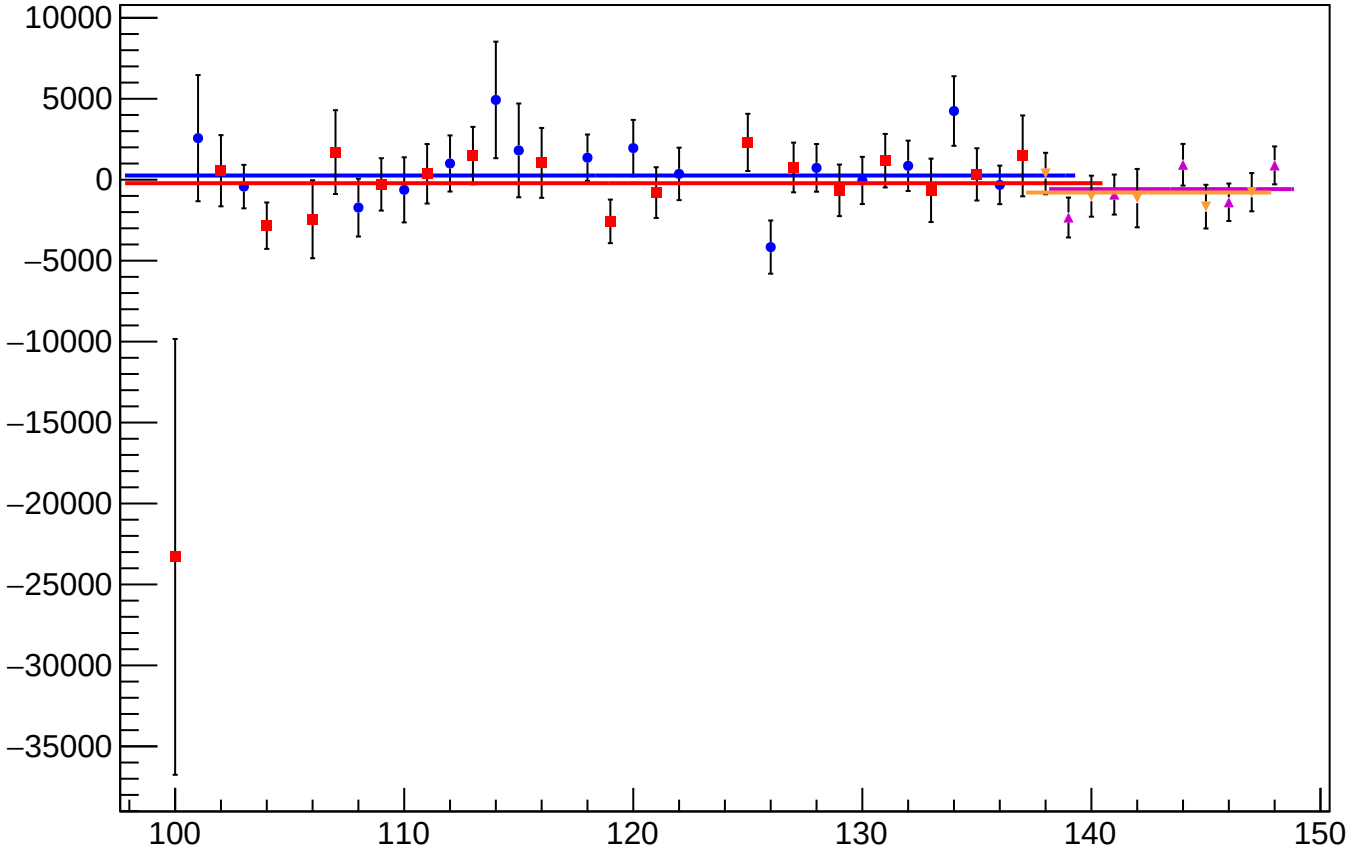
Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

+ sign 403.754+/-0.091 χ^2/NDF: 1870844.7/20

All: 403.249+/-0.063 χ^2/NDF: 3807738.2/43

- sign 402.769+/-0.089 χ^2/NDF: 1936833.2/22

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

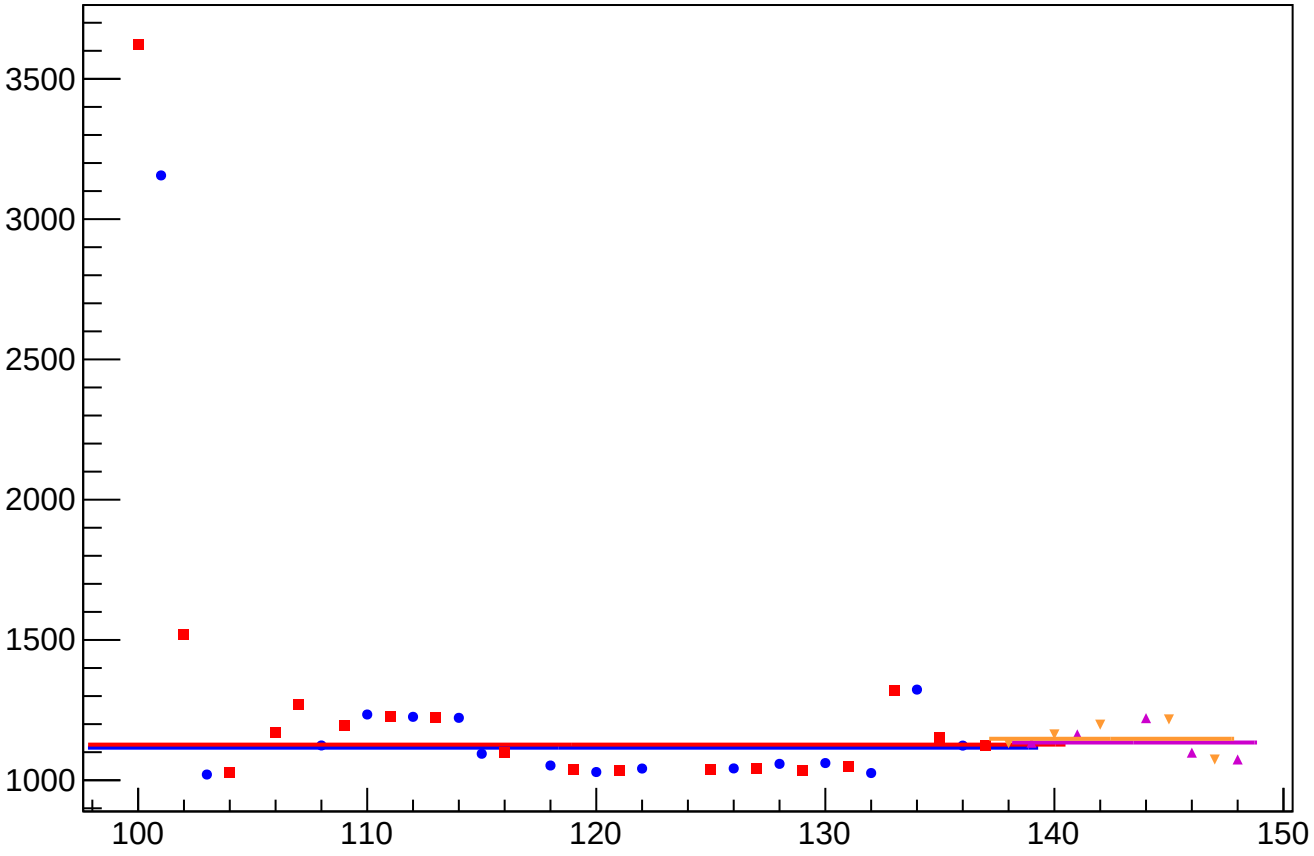
Left In: -580.779+/-542.960 χ^2/NDF:5.5/4

+ sign -92.077+/-346.056 χ^2/NDF: 20.3/20

All: -227.268+/-240.813 χ^2/NDF: 42.6/43

- sign -354.201+/-335.321 χ^2/NDF: 22.0/22

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

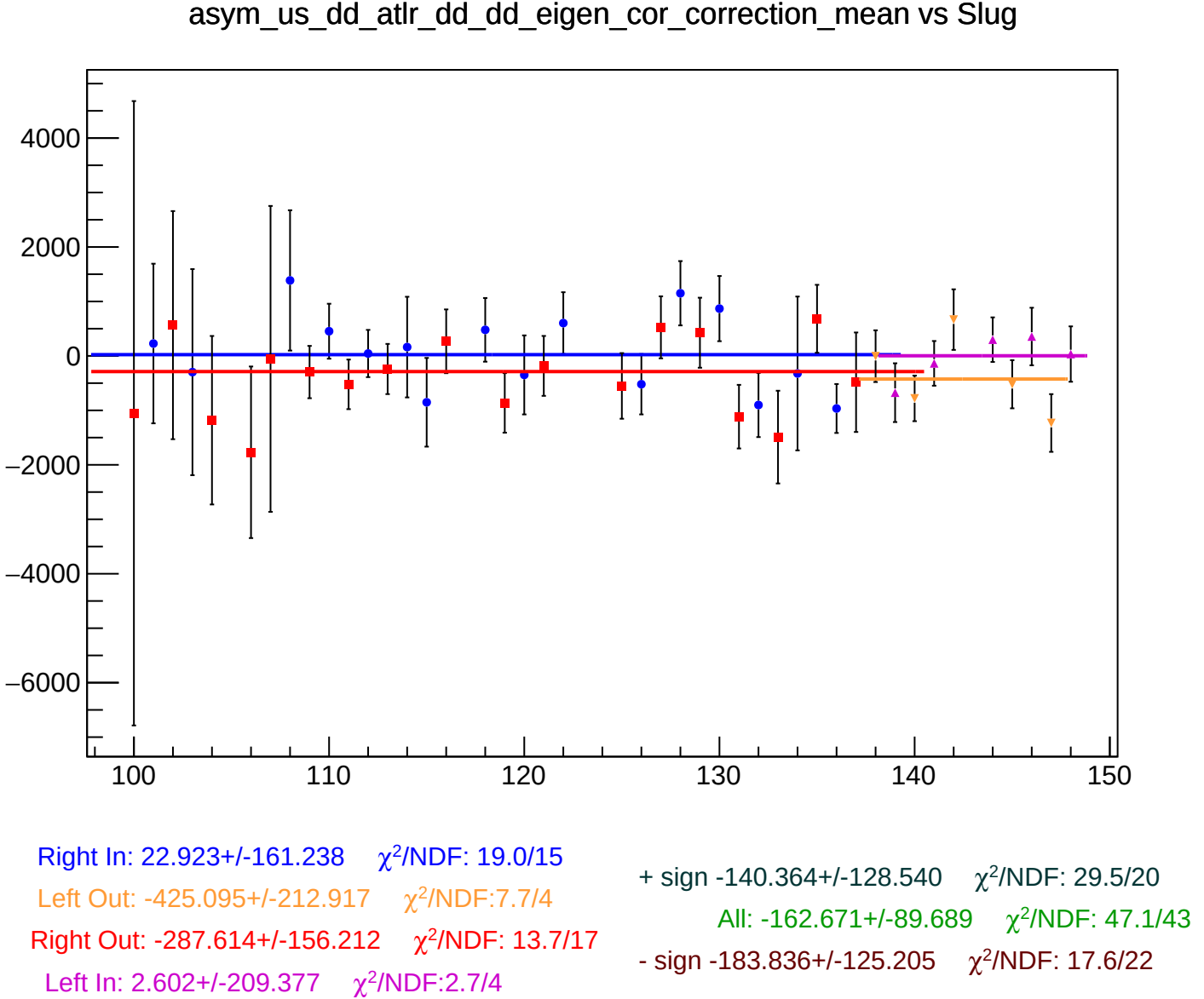
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

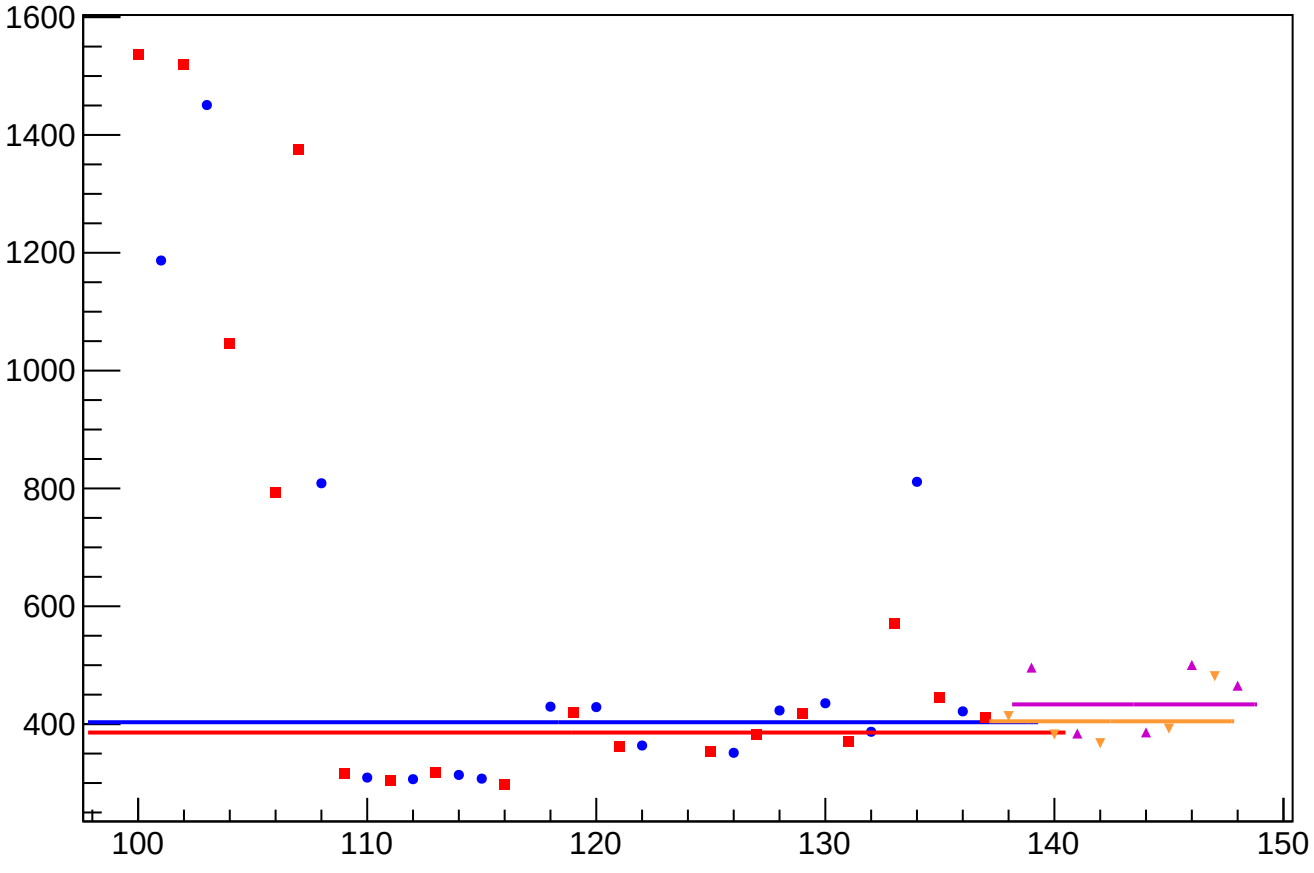
Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1126.752+/-0.245 χ^2/NDF: 642385.9/20

All: 1128.332+/-0.170 χ^2/NDF: 882929.5/43

- sign 1129.815+/-0.237 χ^2/NDF: 240462.7/22


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -425.095+/-212.917 χ²/NDF:7.7/4
Right Out: -287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 2.602+/-209.377 χ²/NDF:2.7/4
+ sign -140.364+/-128.540 χ²/NDF: 29.5/20
All: -162.671+/-89.689 χ²/NDF: 47.1/43
- sign -183.836+/-125.205 χ²/NDF: 17.6/22



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

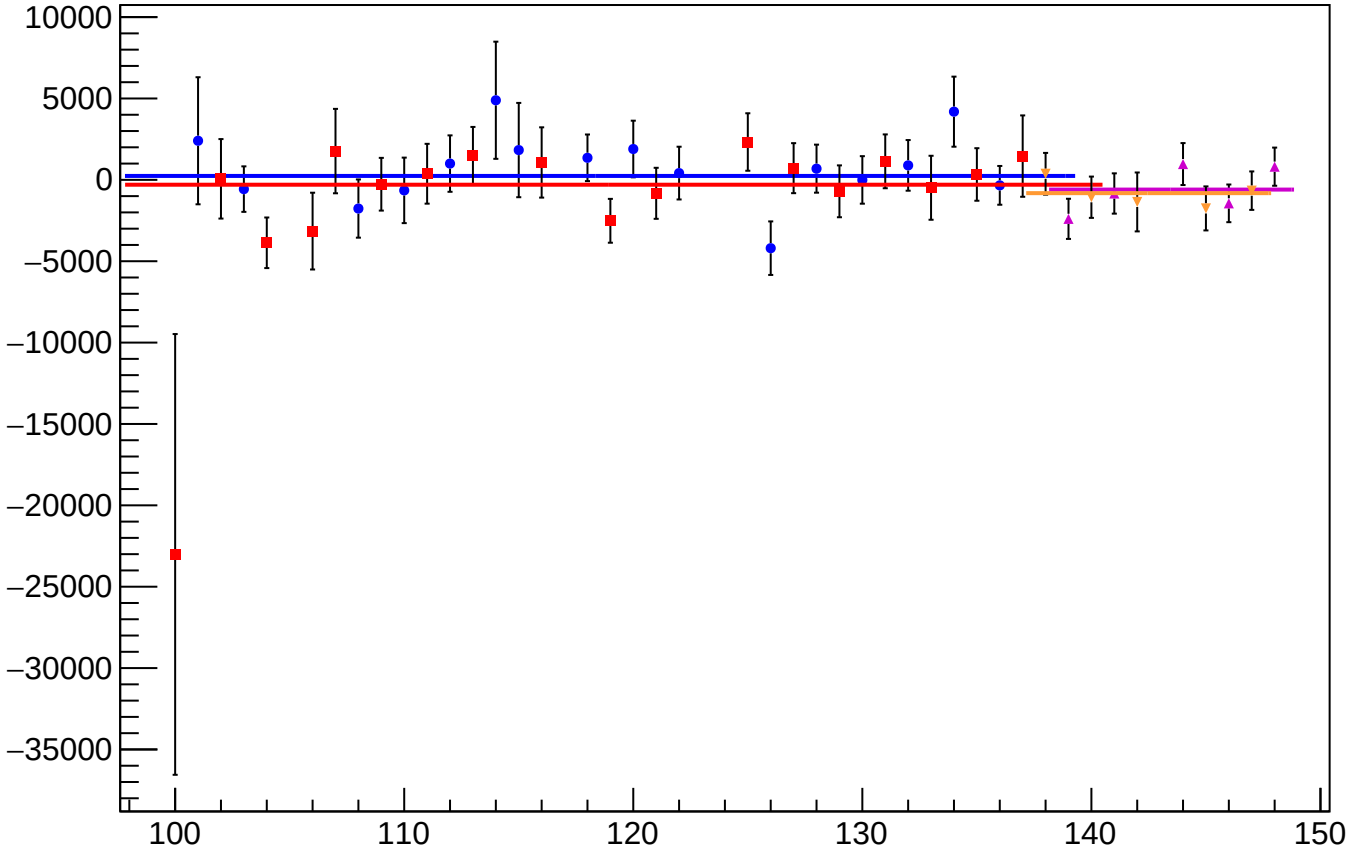
Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

+ sign 403.754+/-0.091 χ^2/NDF: 1870844.7/20

All: 403.249+/-0.063 χ^2/NDF: 3807738.2/43

- sign 402.769+/-0.089 χ^2/NDF: 1936833.2/22

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

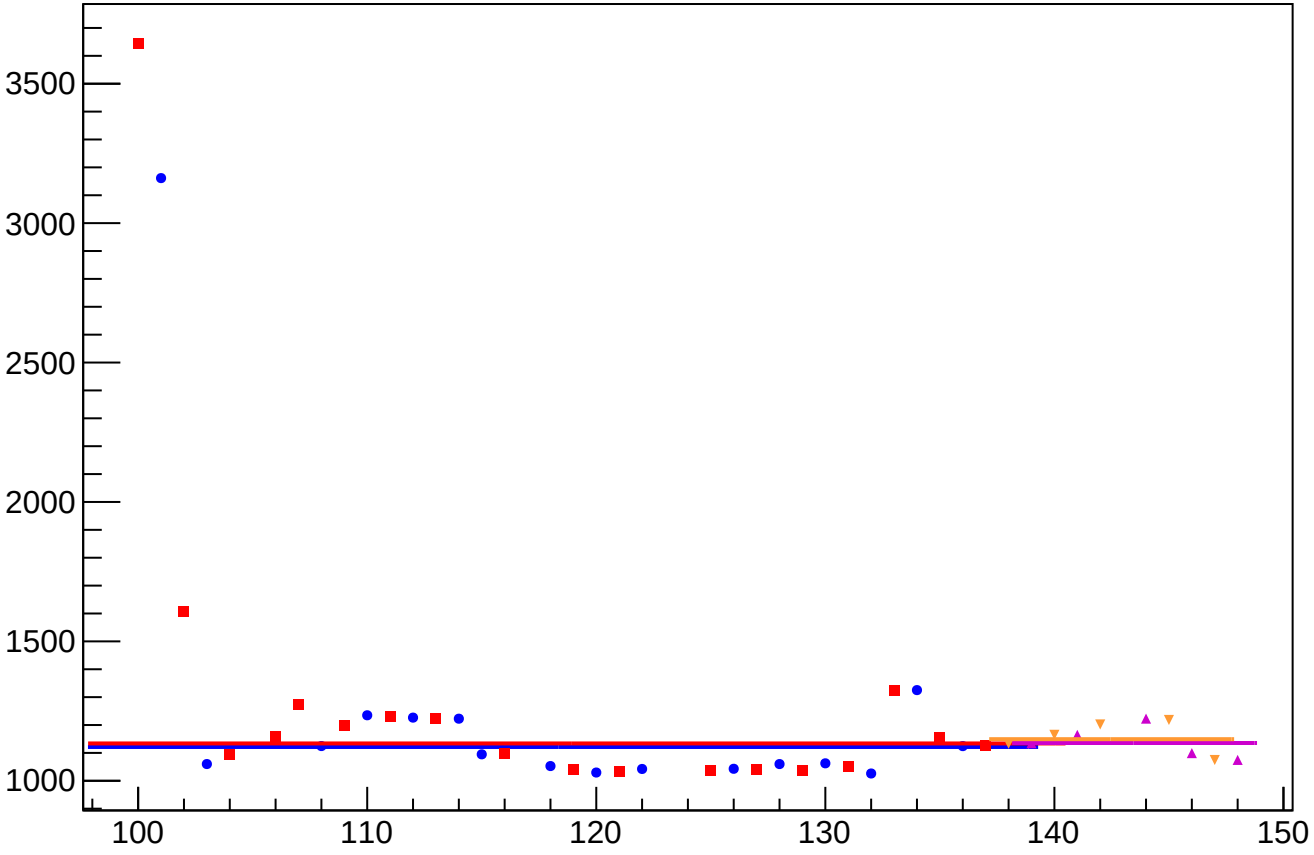
Left In: -597.960+/-543.492 χ^2/NDF:5.6/4

+ sign -115.998+/-347.250 χ^2/NDF: 20.5/20

All: -269.355+/-242.055 χ^2/NDF: 45.4/43

- sign -414.297+/-337.589 χ^2/NDF: 24.5/22

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

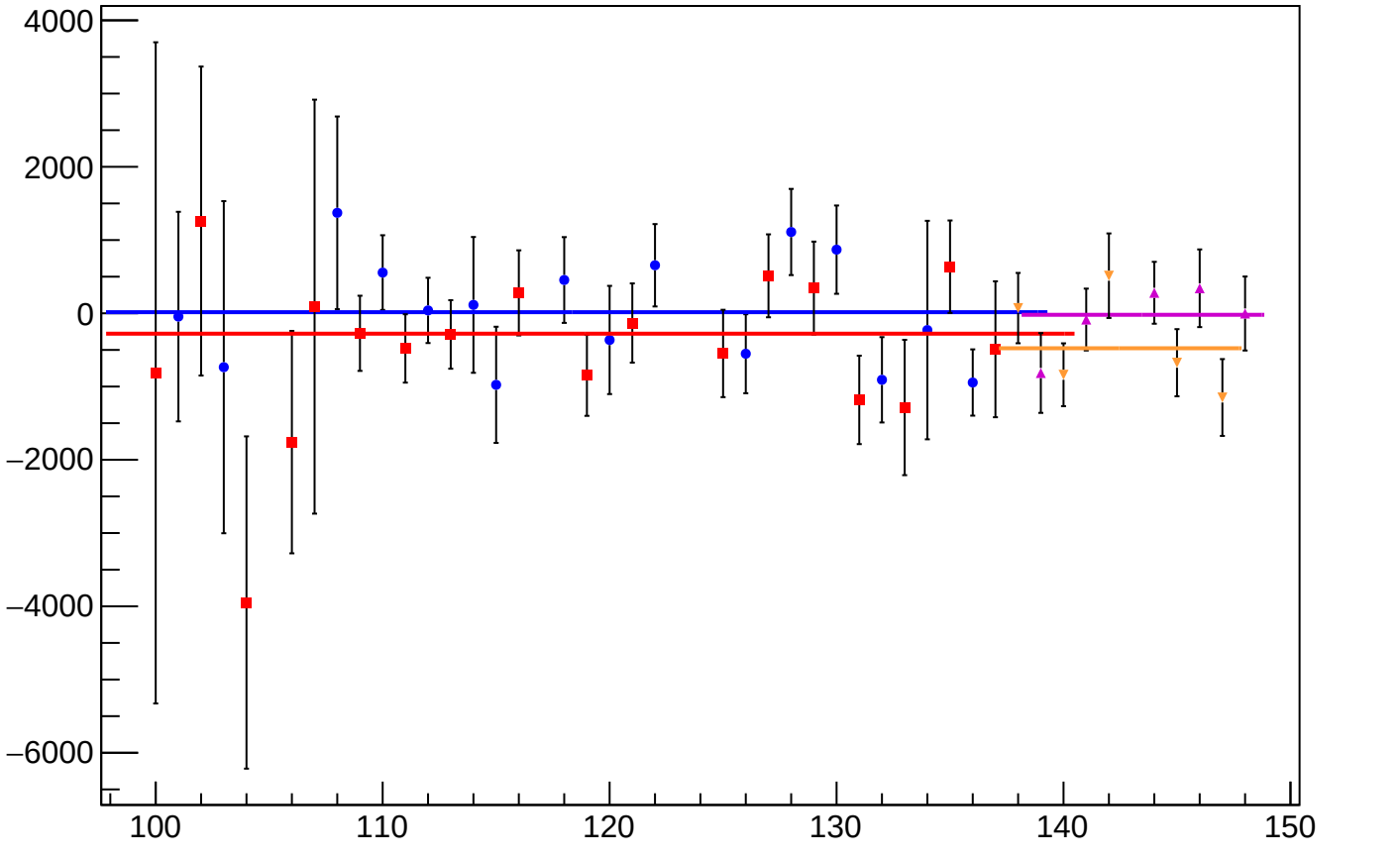
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.8/4

+ sign 1130.727+/-0.246 χ^2/NDF: 635455.6/20

All: 1132.693+/-0.171 χ^2/NDF: 880677.9/43

- sign 1134.550+/-0.239 χ^2/NDF: 245097.6/22



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

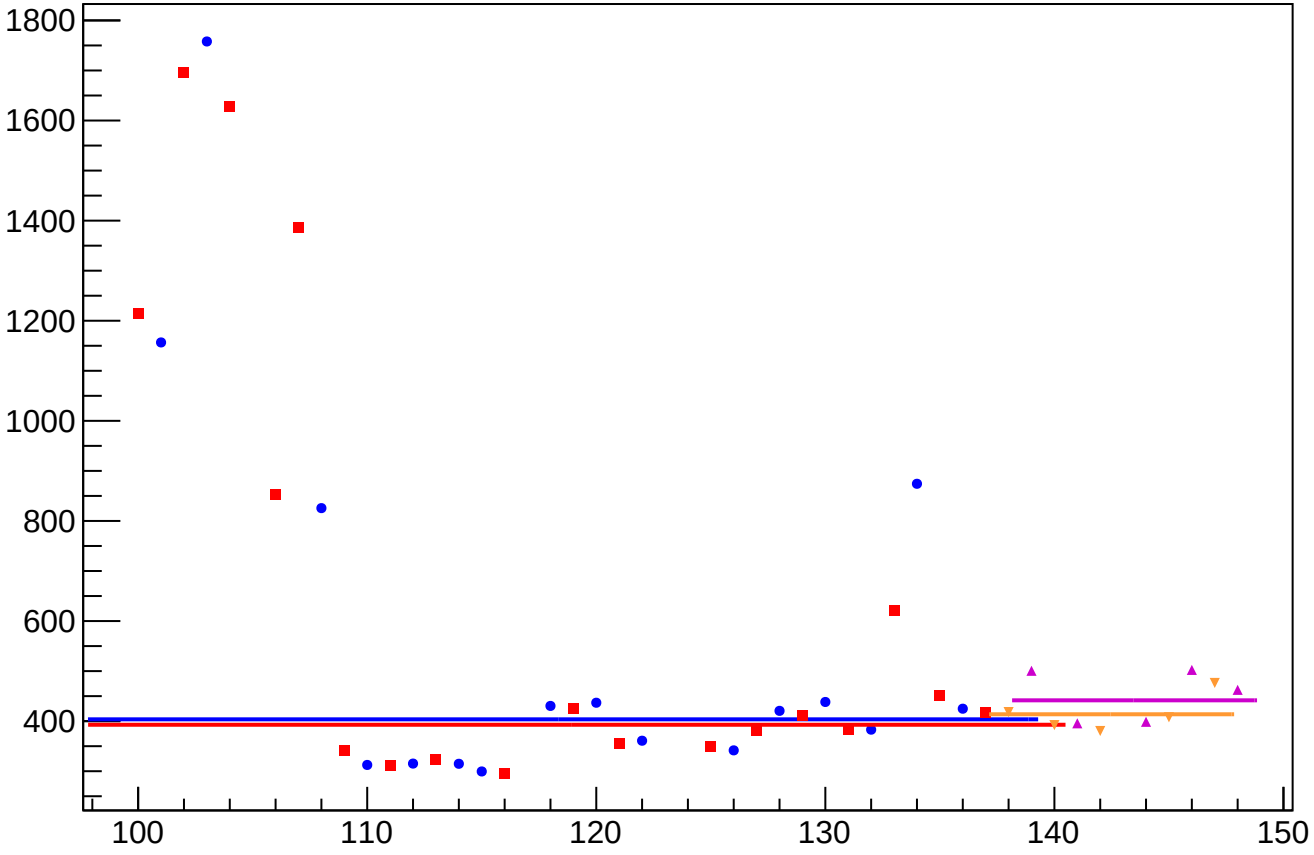
Left In: -20.419+/-212.952 χ^2/NDF:3.1/4

\+ sign -160.411+/-129.802 χ^2/NDF: 29.7/20

All: -173.500+/-90.892 χ^2/NDF: 48.9/43

\- sign -186.092+/-127.316 χ^2/NDF: 19.1/22

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

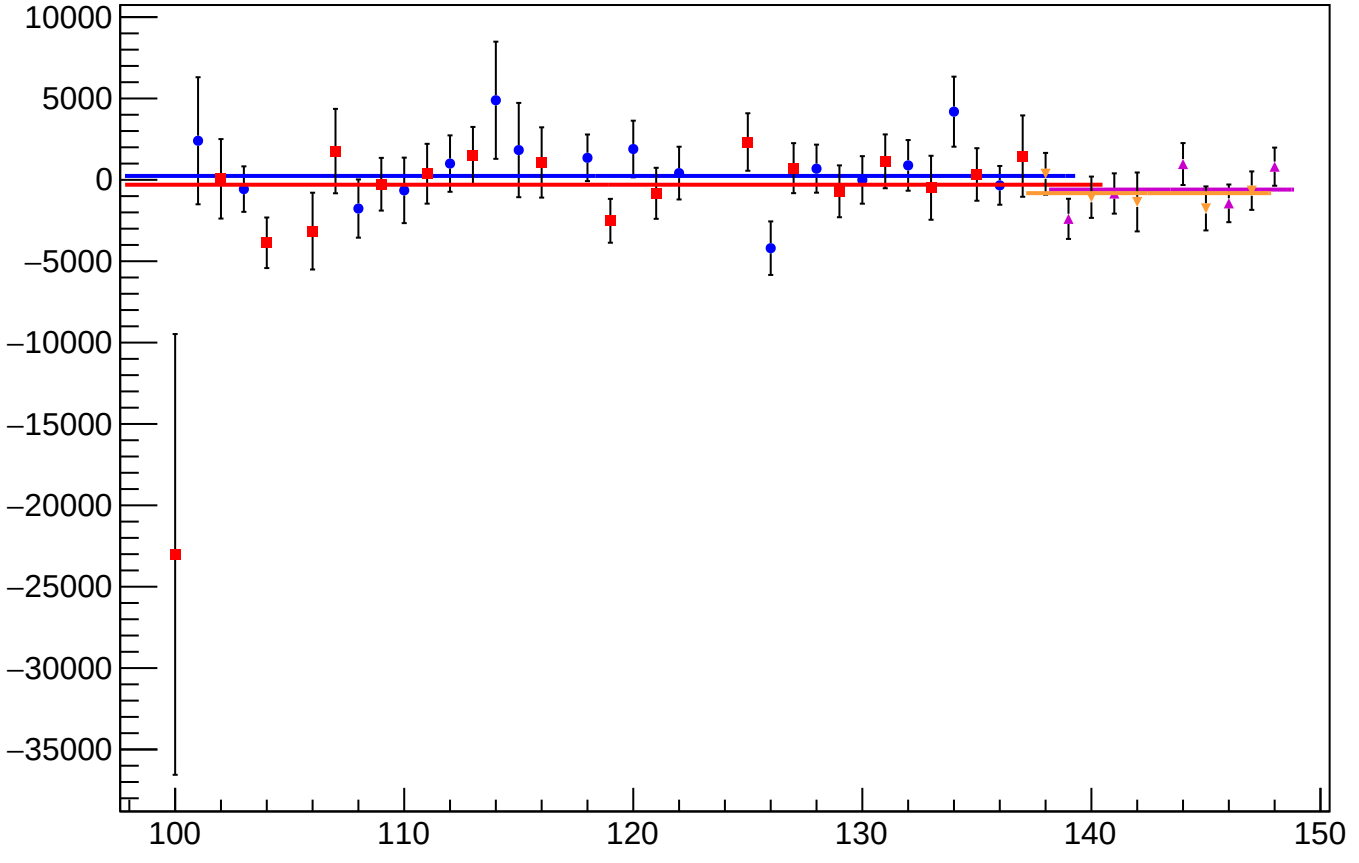
Left In: 441.630+/-0.151 χ^2/NDF:97481.3/4

+ sign 407.264+/-0.092 χ^2/NDF: 1973192.7/20

All: 408.795+/-0.064 χ^2/NDF: 4342187.6/43

- sign 410.267+/-0.090 χ^2/NDF: 2368449.6/22

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

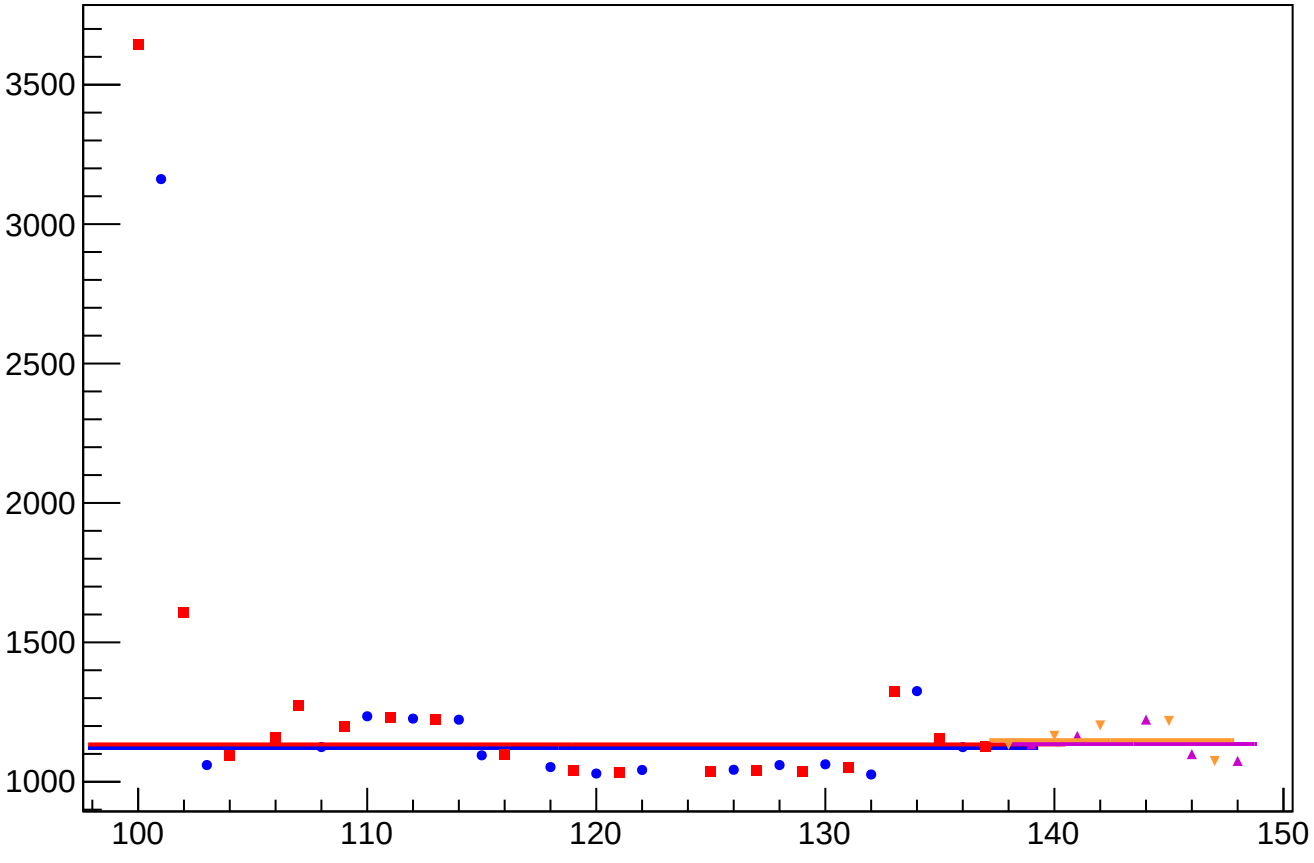
Left In: -597.958+/-543.492 χ^2/NDF:5.6/4

+ sign -115.999+/-347.250 χ^2/NDF: 20.5/20

All: -269.355+/-242.055 χ^2/NDF: 45.4/43

- sign -414.297+/-337.589 χ^2/NDF: 24.5/22

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

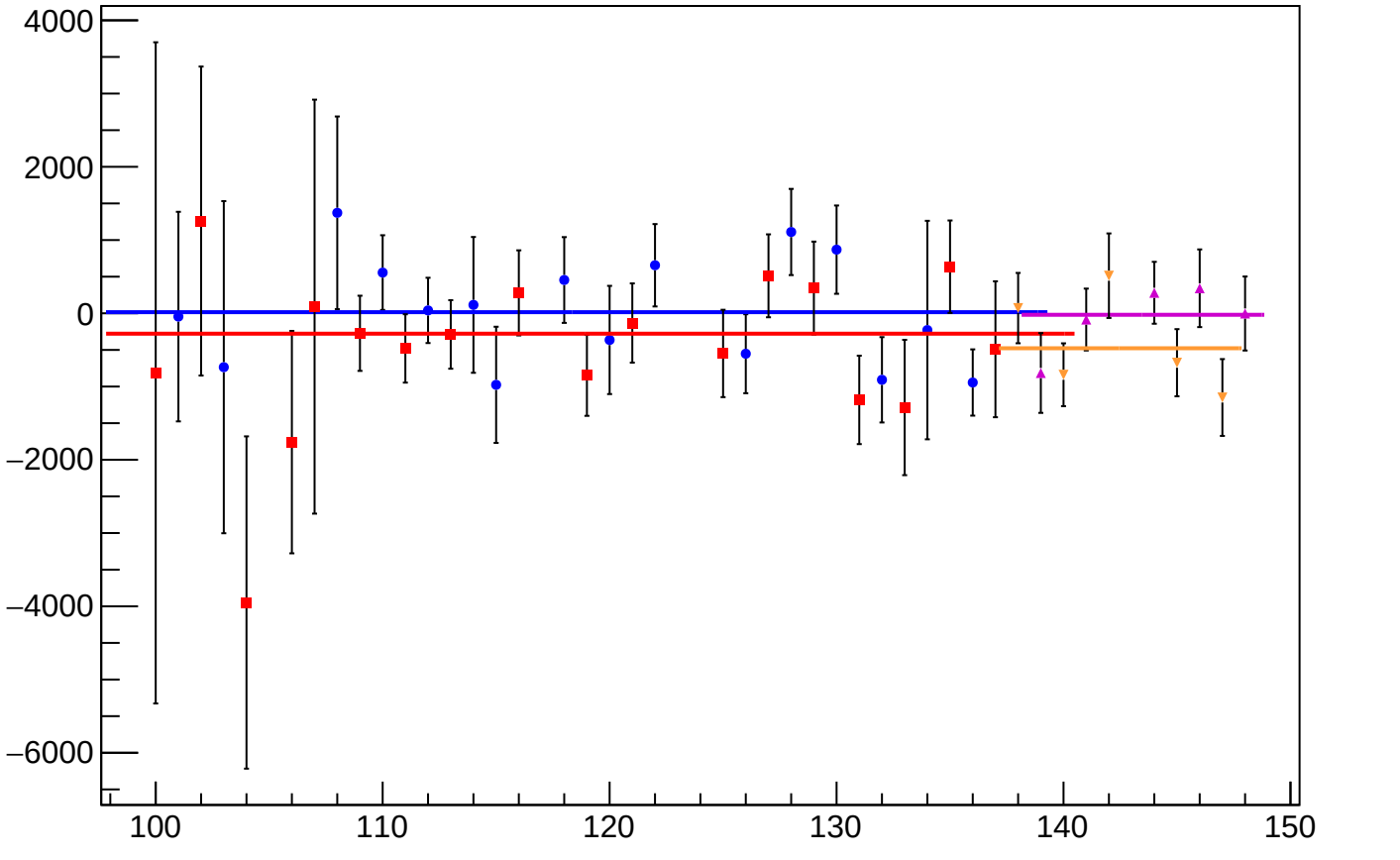
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.9/4

+ sign 1130.727+/-0.246 χ^2/NDF: 635455.7/20

All: 1132.693+/-0.171 χ^2/NDF: 880678.2/43

- sign 1134.550+/-0.239 χ^2/NDF: 245097.8/22



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -477.188+/-217.311 χ^2/NDF:6.8/4

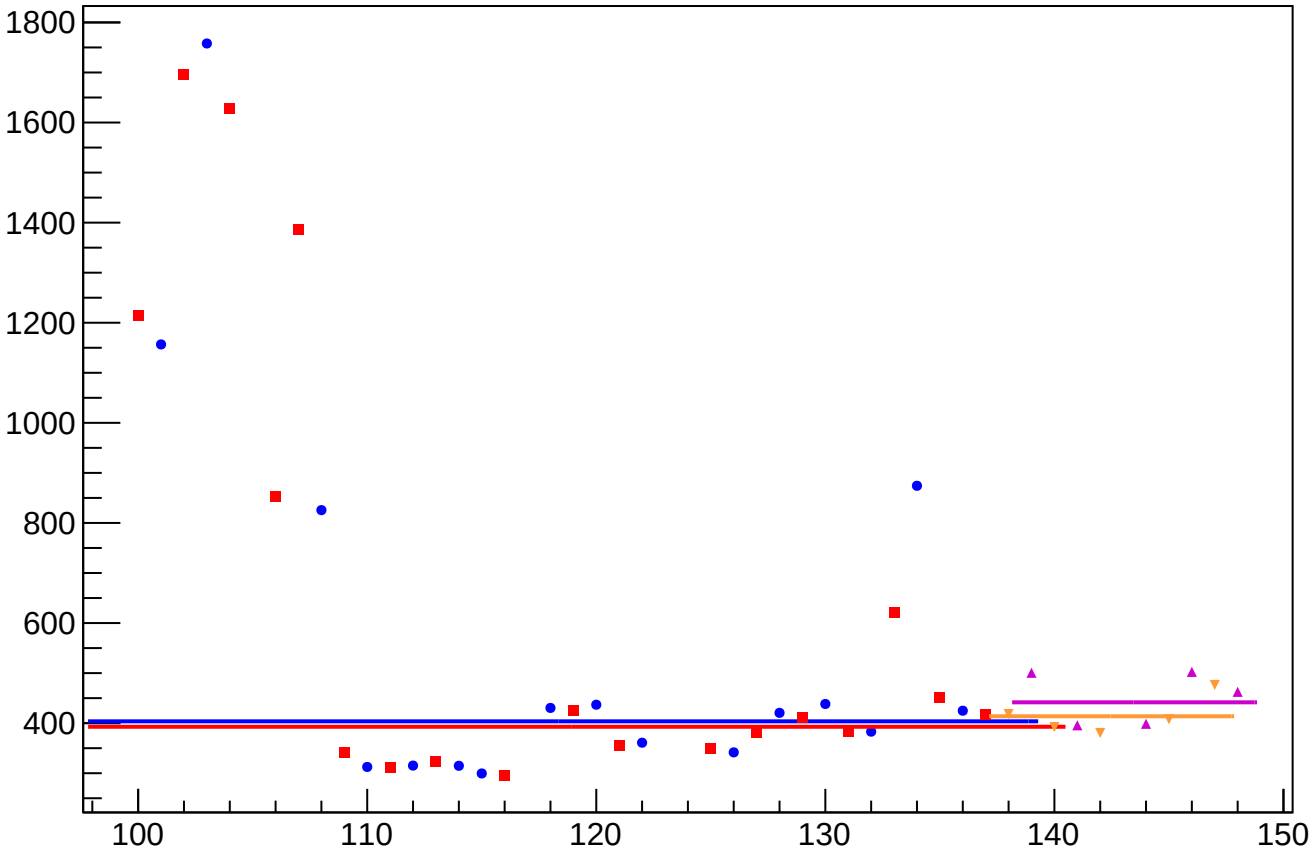
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -20.424+/-212.953 χ^2/NDF:3.1/4

+ sign -160.415+/-129.801 χ^2/NDF: 29.7/20

All: -173.503+/-90.892 χ^2/NDF: 48.9/43

- sign -186.094+/-127.316 χ^2/NDF: 19.1/22



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

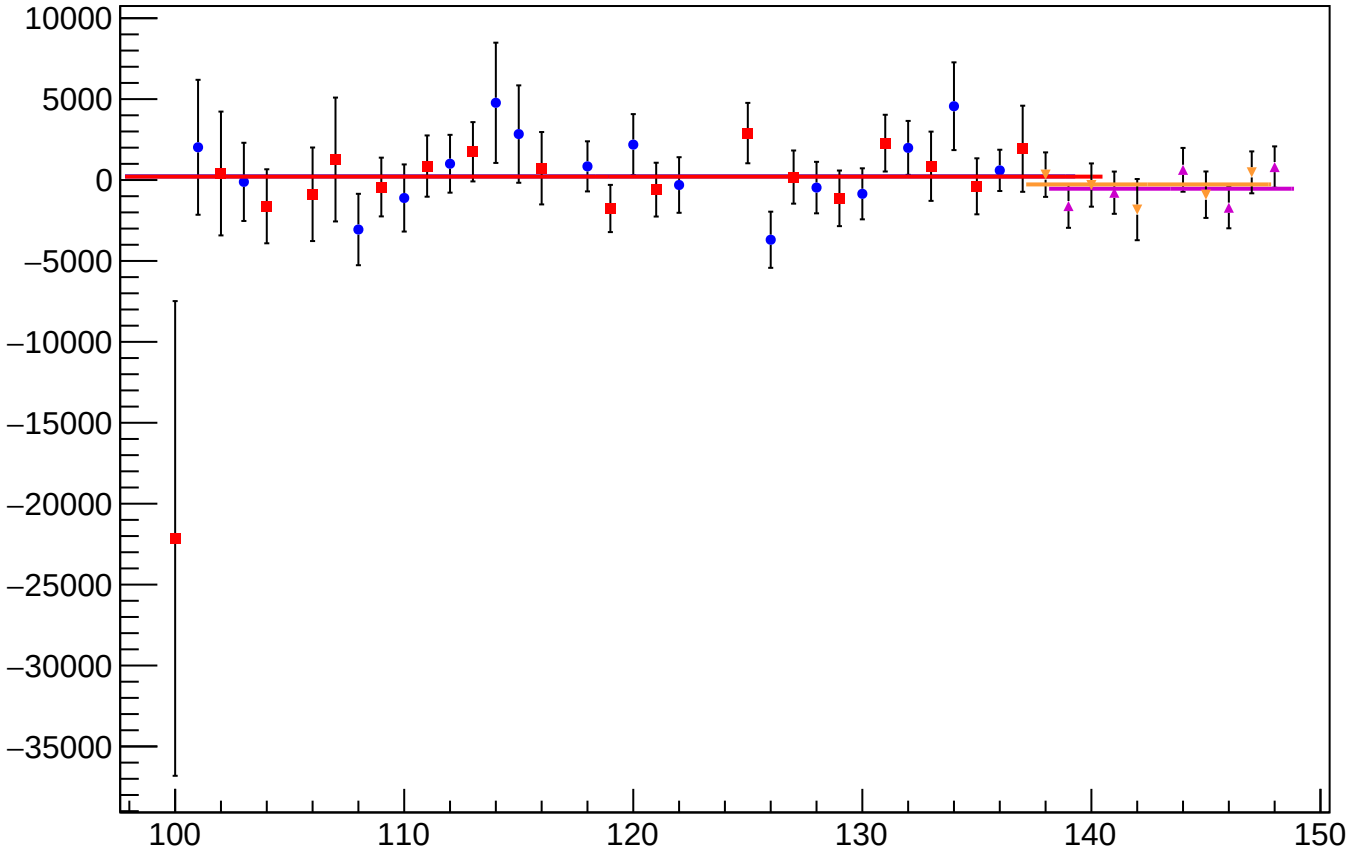
Left In: 441.631+/-0.151 χ^2/NDF:97478.1/4

+ sign 407.262+/-0.092 χ^2/NDF: 1973188.3/20

All: 408.793+/-0.064 χ^2/NDF: 4342200.5/43

- sign 410.265+/-0.090 χ^2/NDF: 2368466.8/22

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

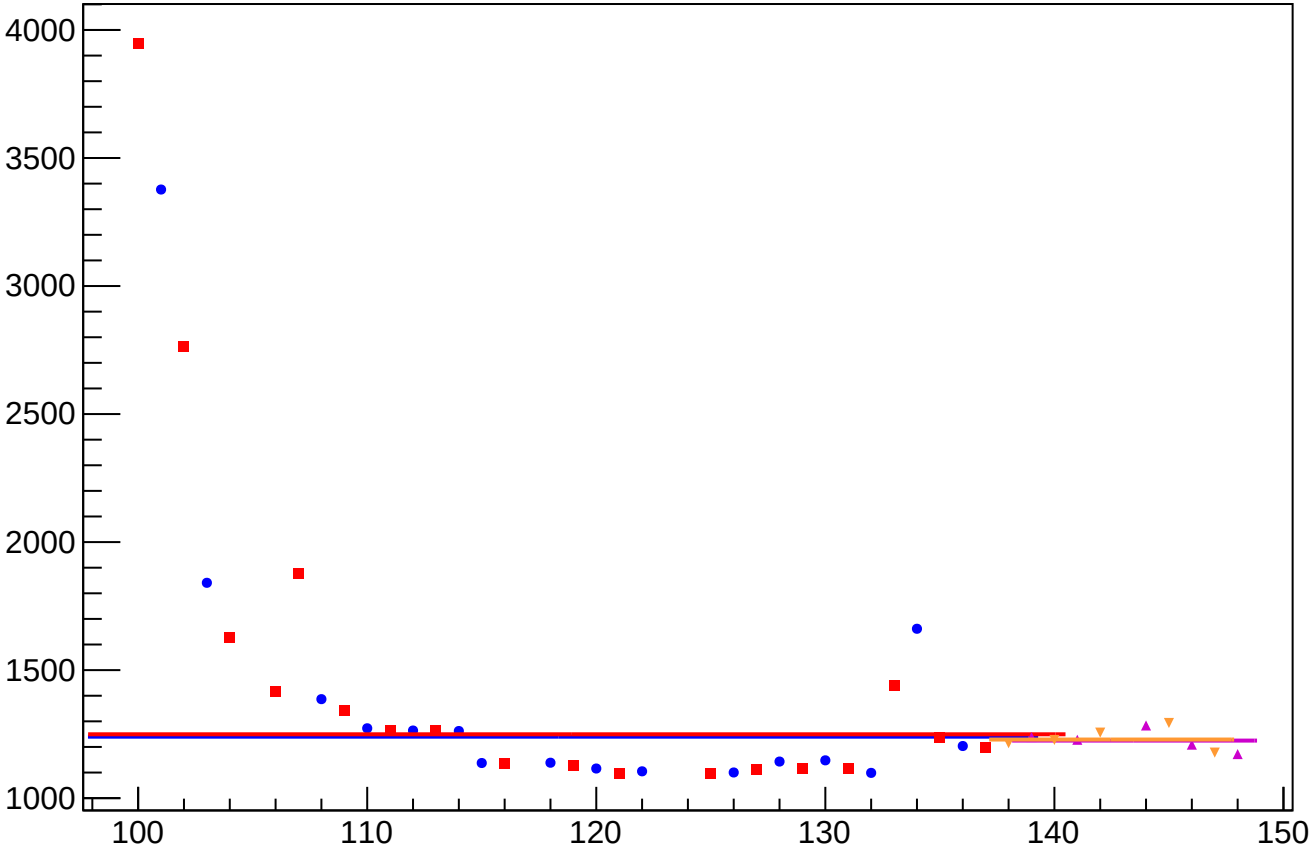
Left In: -536.916+/-585.887 χ^2/NDF:3.4/4

+ sign 48.301+/-380.953 χ^2/NDF: 17.9/20

All: -22.041+/-265.524 χ^2/NDF: 33.3/43

- sign -88.500+/-370.290 χ^2/NDF: 15.3/22

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

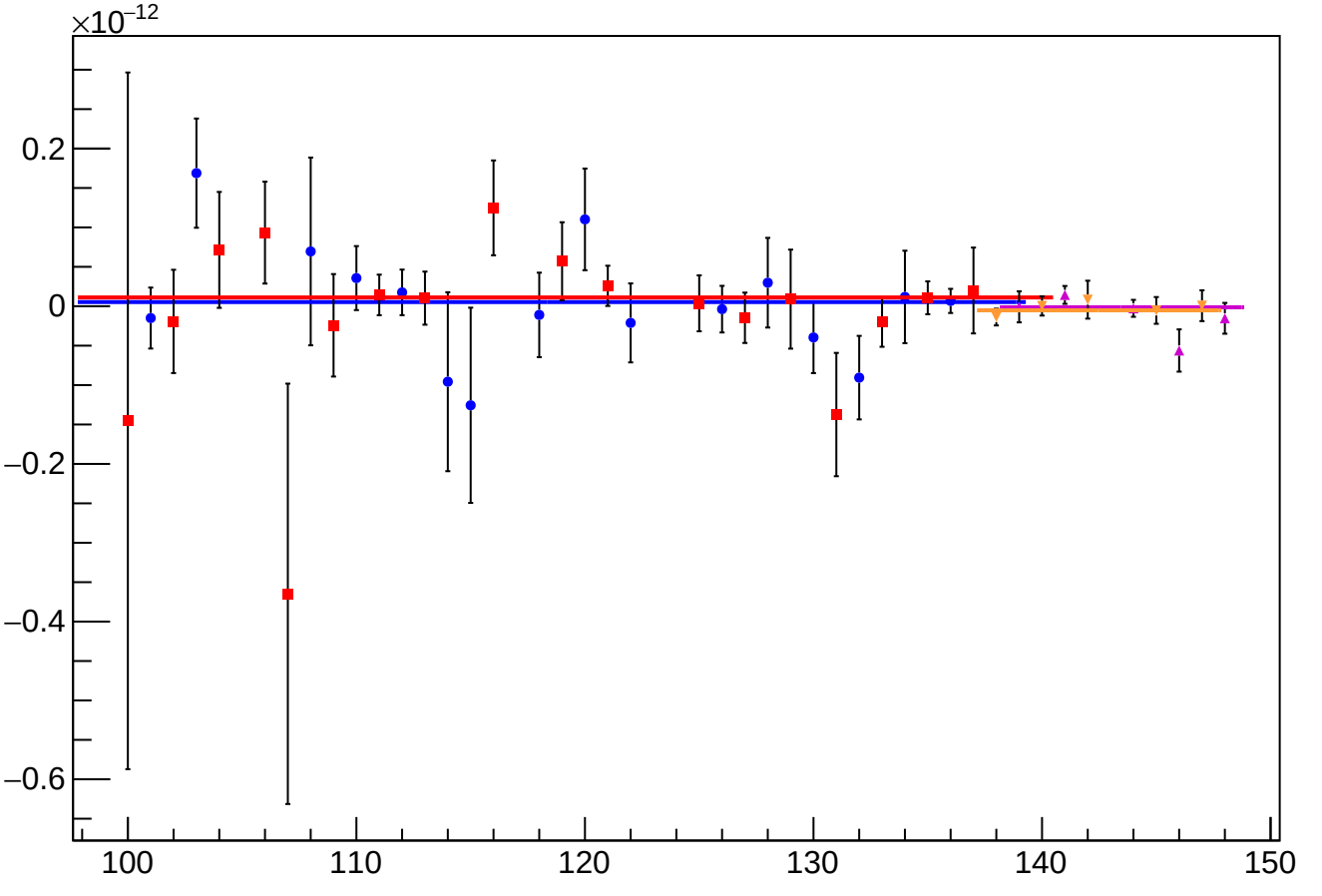
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1224.794+/-0.414 χ^2/NDF:7742.5/4

+ sign 1236.149+/-0.269 χ^2/NDF: 790877.9/20

All: 1237.912+/-0.188 χ^2/NDF: 1406923.2/43

- sign 1239.577+/-0.262 χ^2/NDF: 615962.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

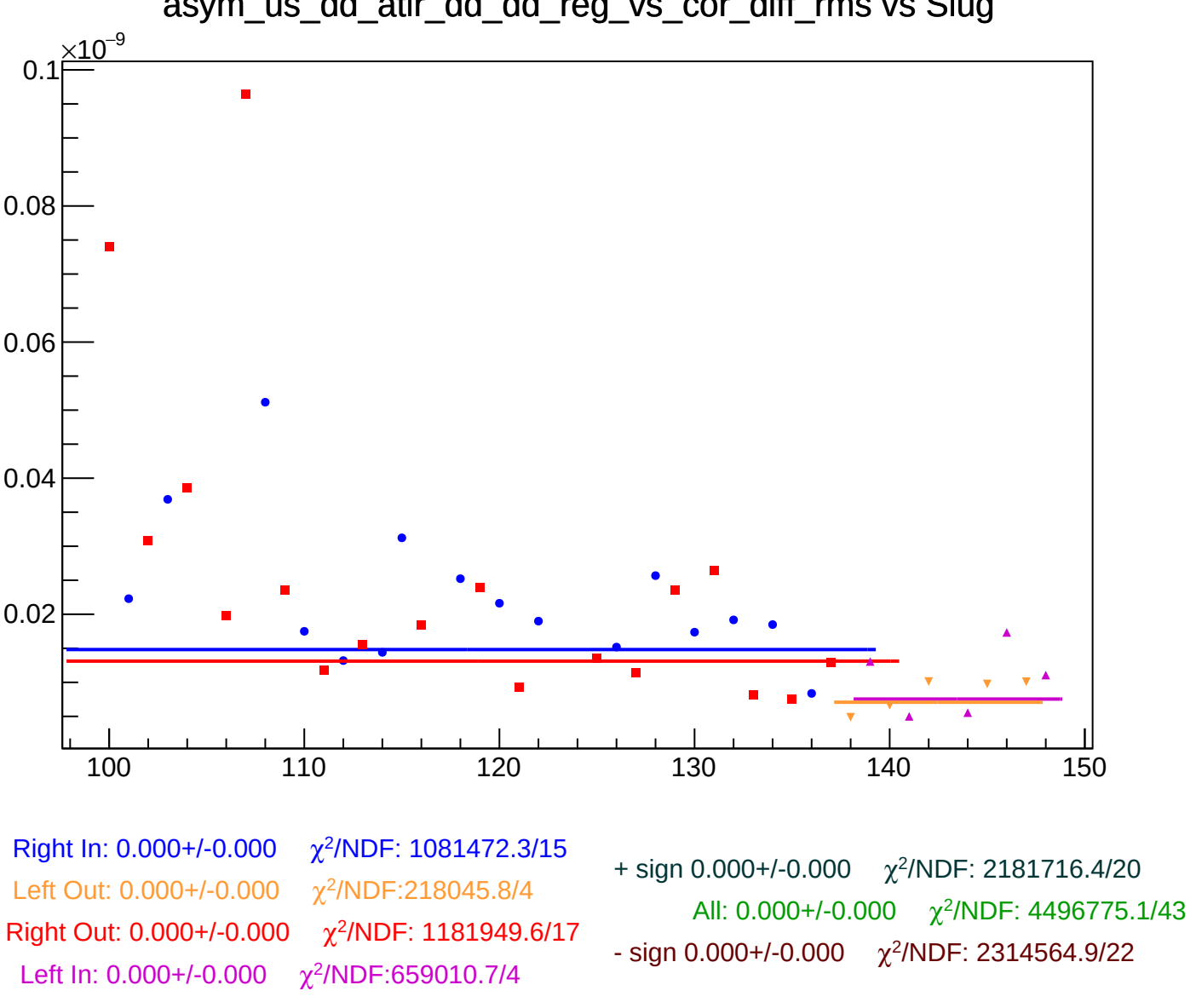
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

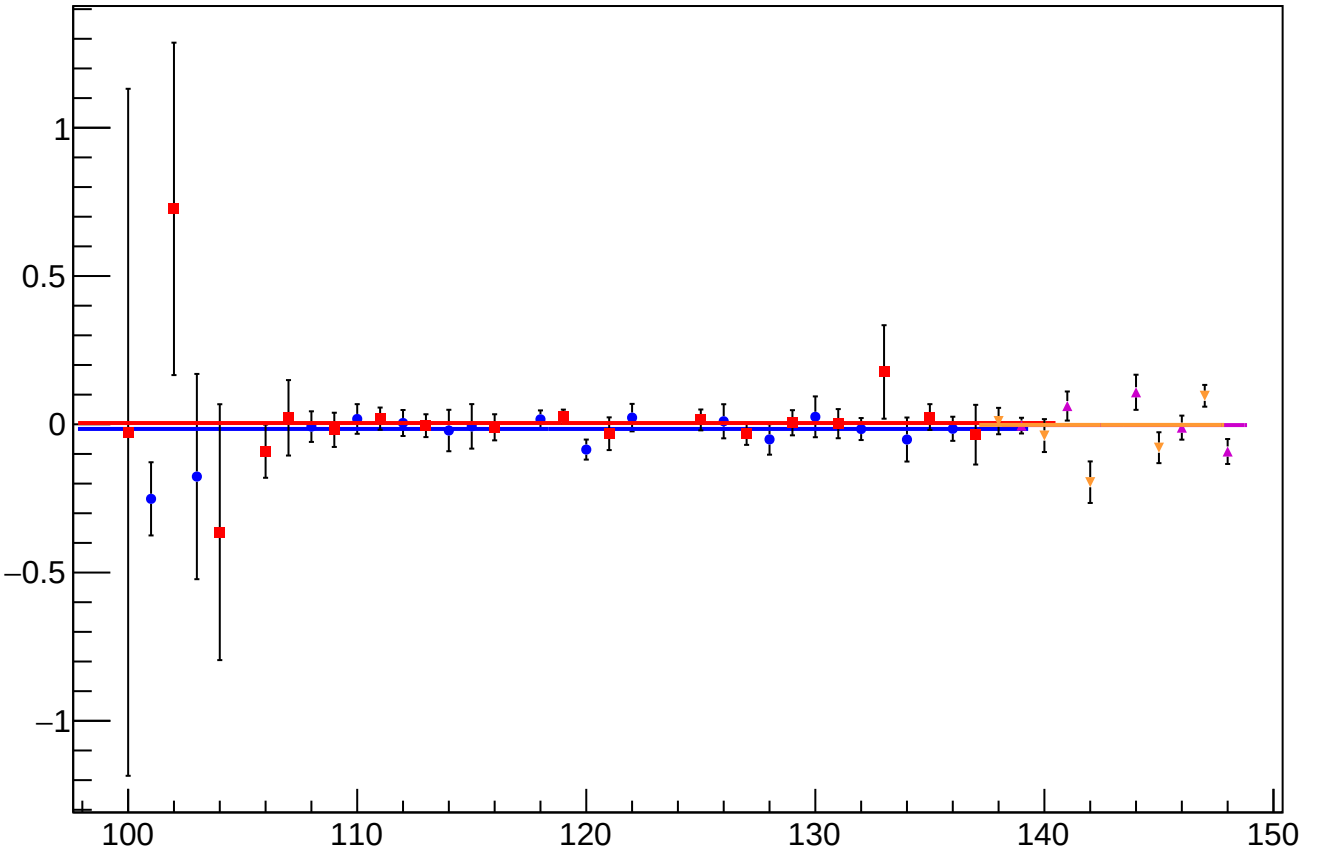
Left In: -0.000+/-0.000 χ^2/NDF:6.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/20

All: 0.000+/-0.000 χ^2/NDF: 41.7/43

- sign 0.000+/-0.000 χ^2/NDF: 22.9/22


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:218045.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:659010.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2181716.4/20
All: 0.000+/-0.000 χ²/NDF: 4496775.1/43
- sign 0.000+/-0.000 χ²/NDF: 2314564.9/22



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

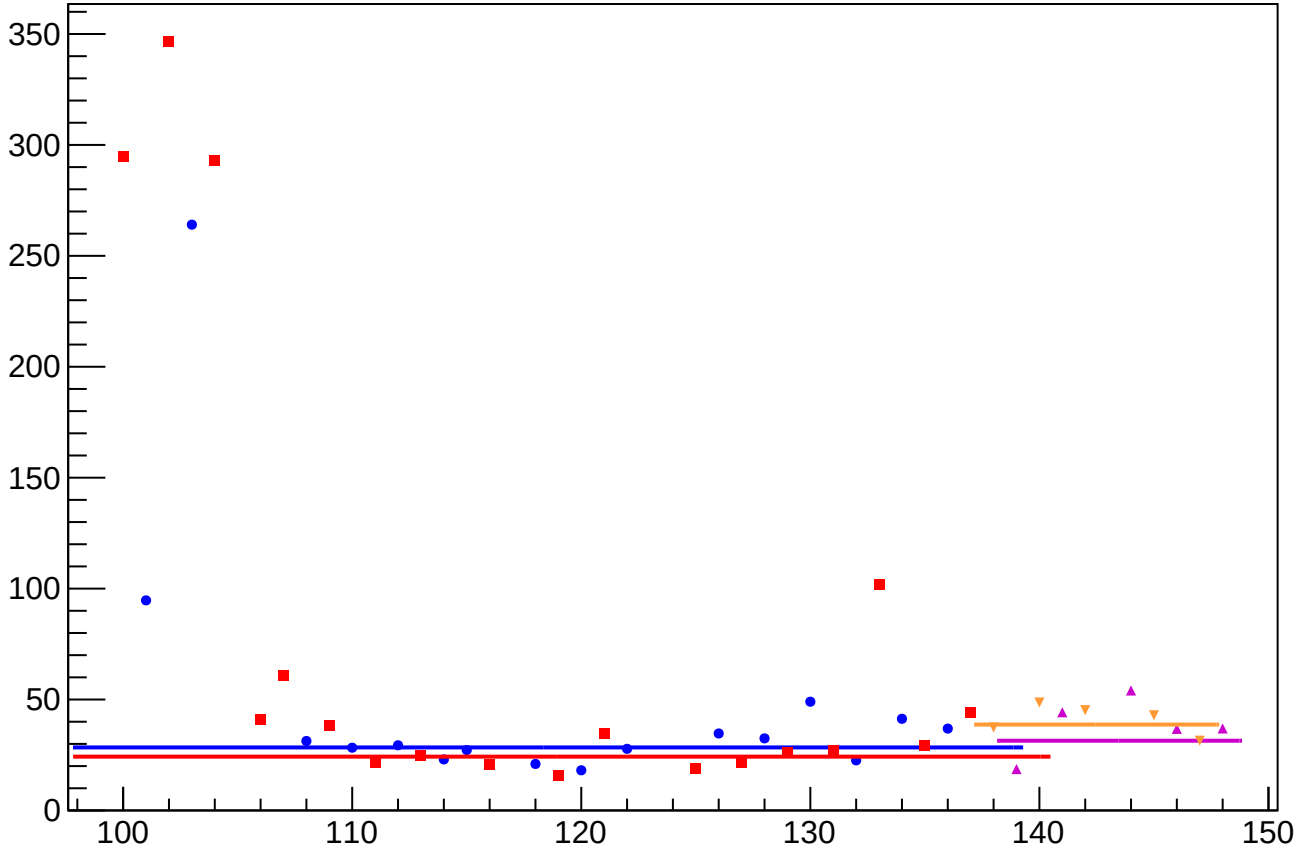
Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.004+/-0.007 χ^2/NDF: 48.4/43

- sign 0.002+/-0.010 χ^2/NDF: 17.7/22

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

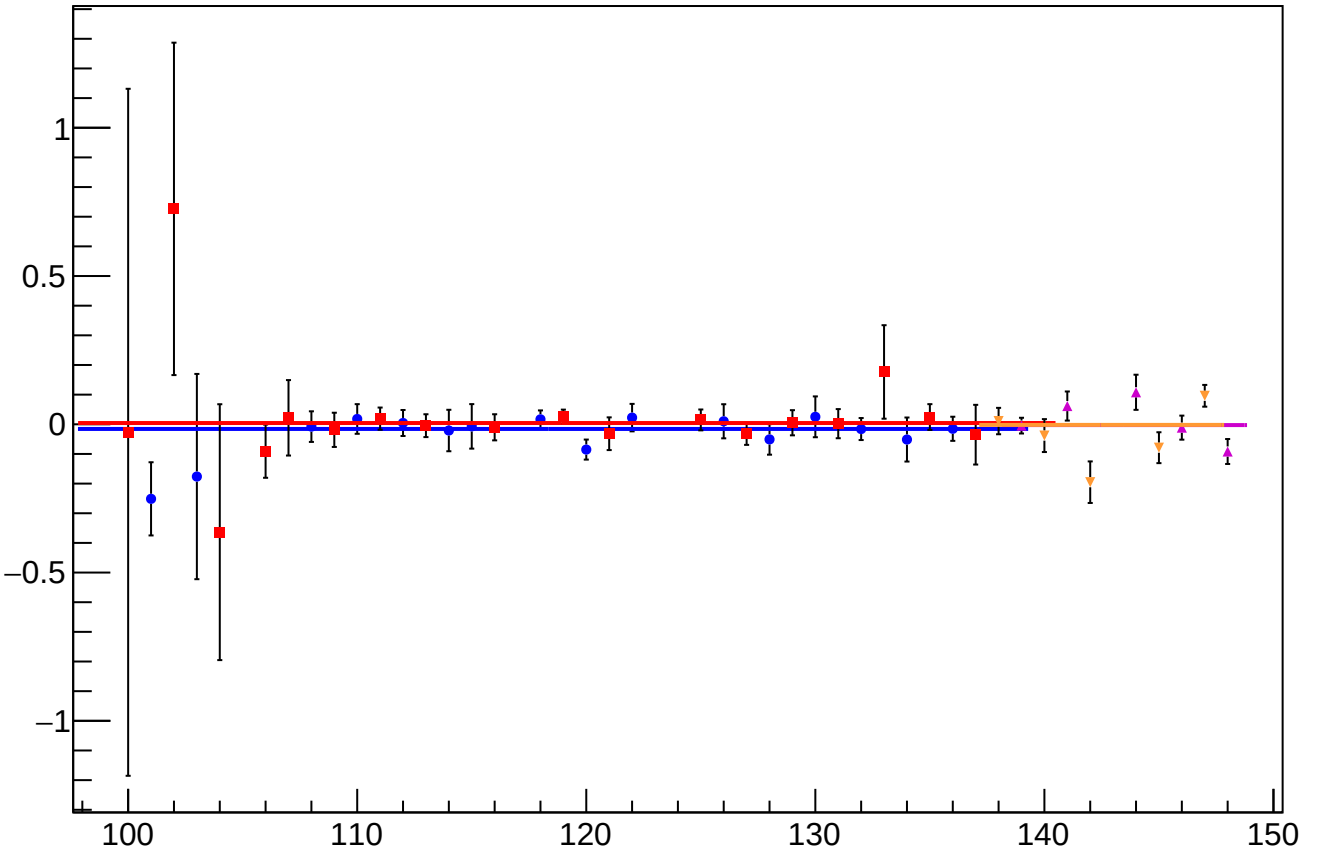
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

\+ sign 30.940+/-0.008 χ^2/NDF: 2764704.1/20

All: 28.427+/-0.005 χ^2/NDF: 7076637.2/43

\- sign 26.418+/-0.007 χ^2/NDF: 4113178.5/22



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

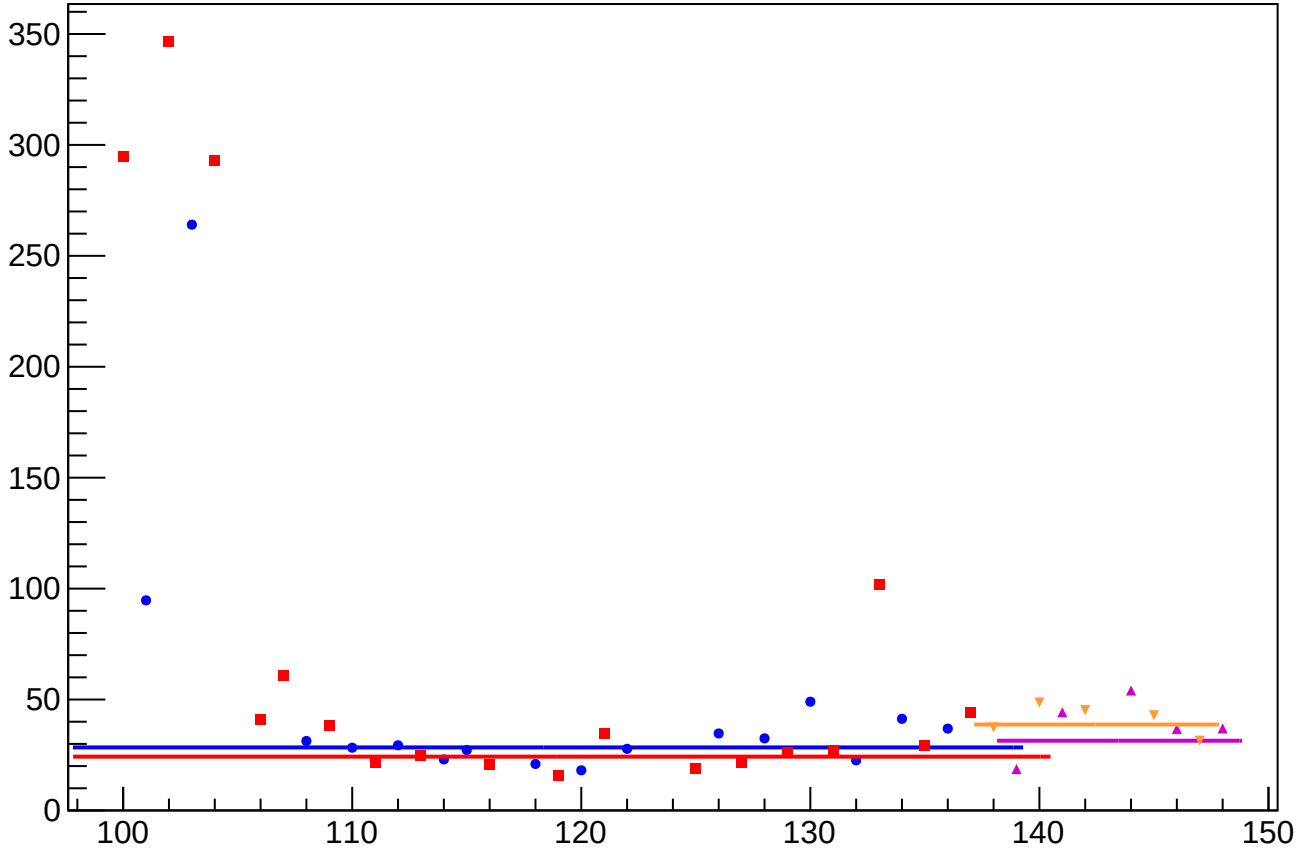
Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.004+/-0.007 χ^2/NDF: 48.4/43

- sign 0.002+/-0.010 χ^2/NDF: 17.7/22

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.726+/-0.015 χ^2/NDF:174662.3/4

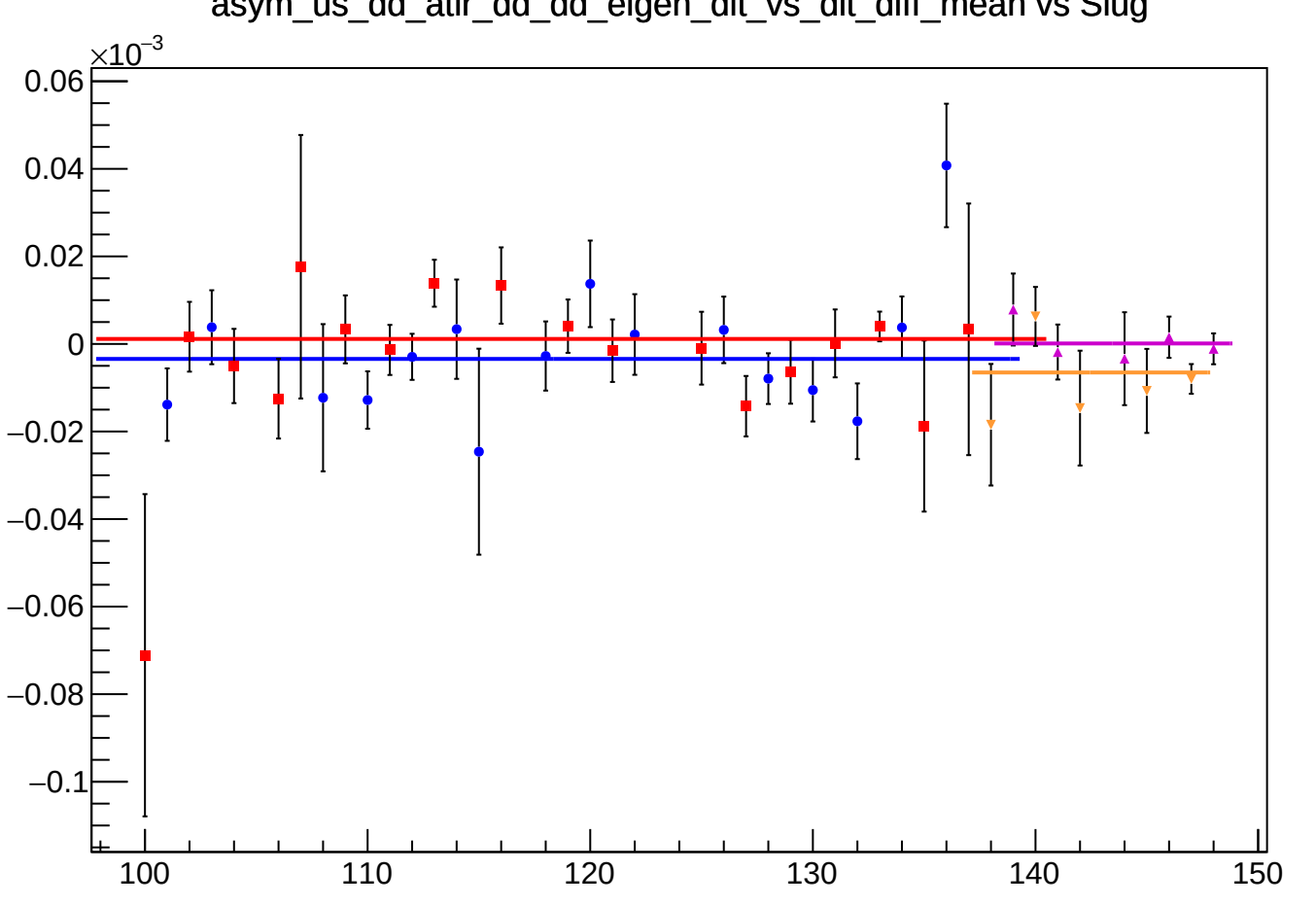
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

\+ sign 30.940+/-0.008 χ^2/NDF: 2764704.1/20

All: 28.427+/-0.005 χ^2/NDF: 7076637.2/43

\- sign 26.418+/-0.007 χ^2/NDF: 4113178.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/4

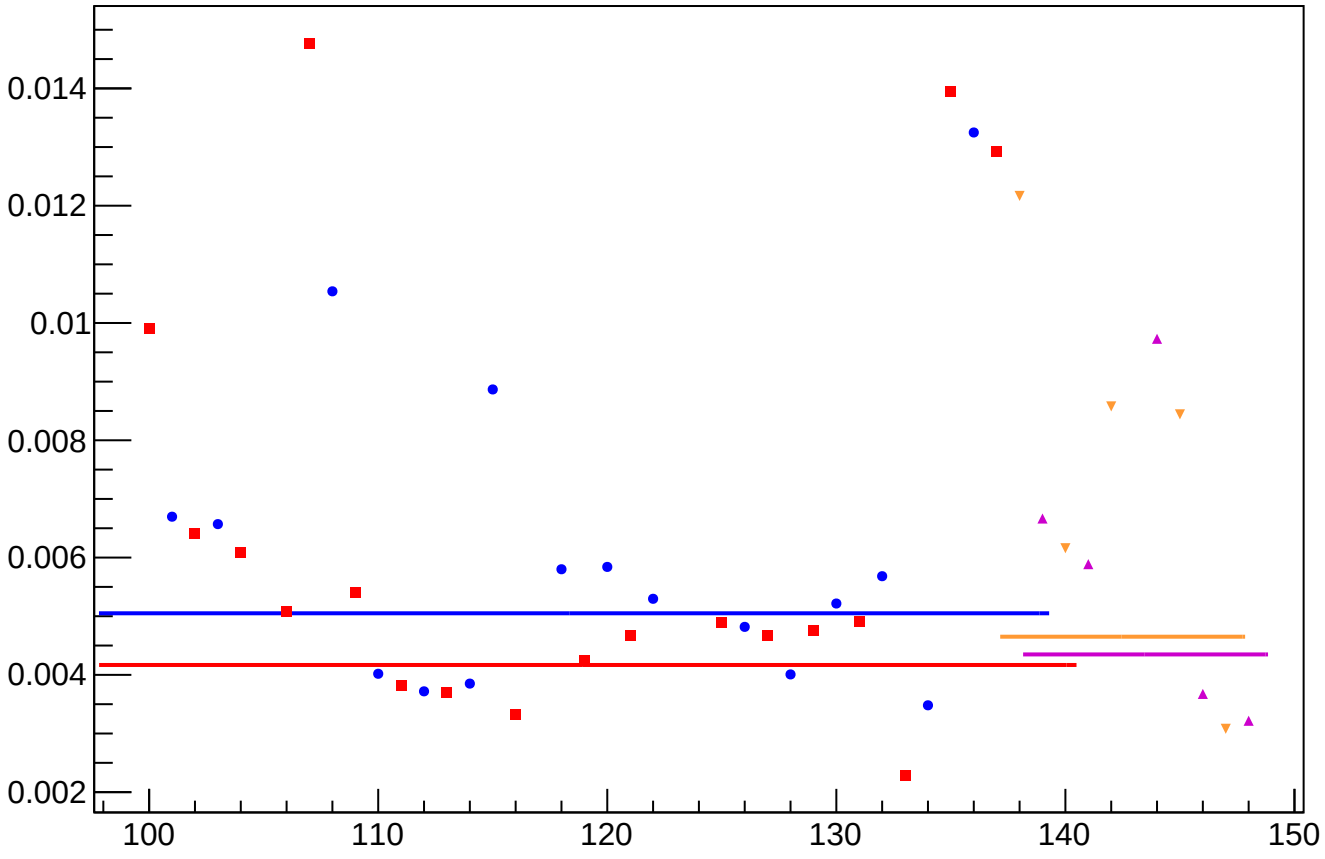
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/20

All: -0.000+/-0.000 χ^2/NDF: 61.6/43

- sign 0.000+/-0.000 χ^2/NDF: 24.4/22



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1605166.4/4

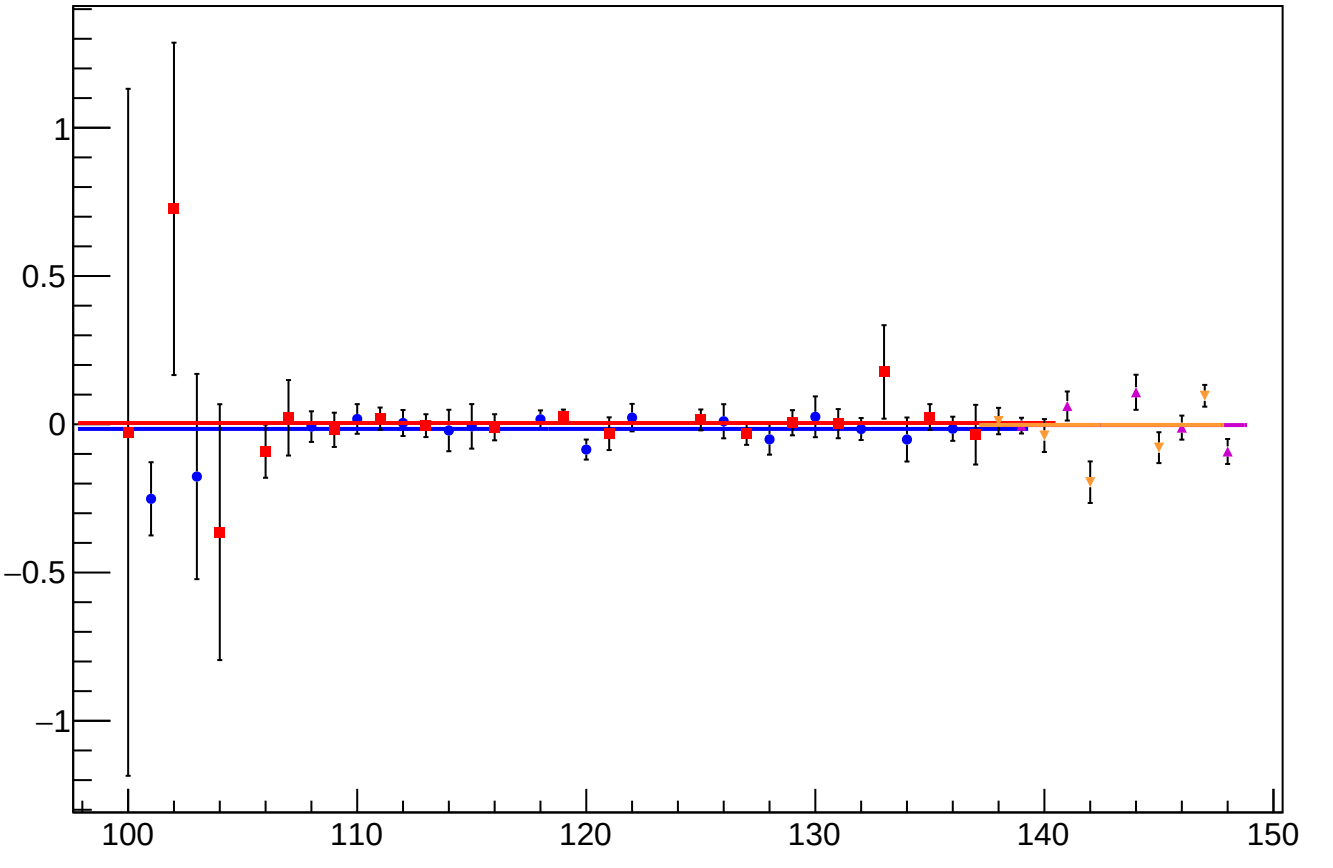
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:1040351.0/4

+ sign 0.005+/-0.000 χ^2/NDF: 3126497.0/20

All: 0.005+/-0.000 χ^2/NDF: 6419037.5/43

- sign 0.004+/-0.000 χ^2/NDF: 3089839.5/22



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

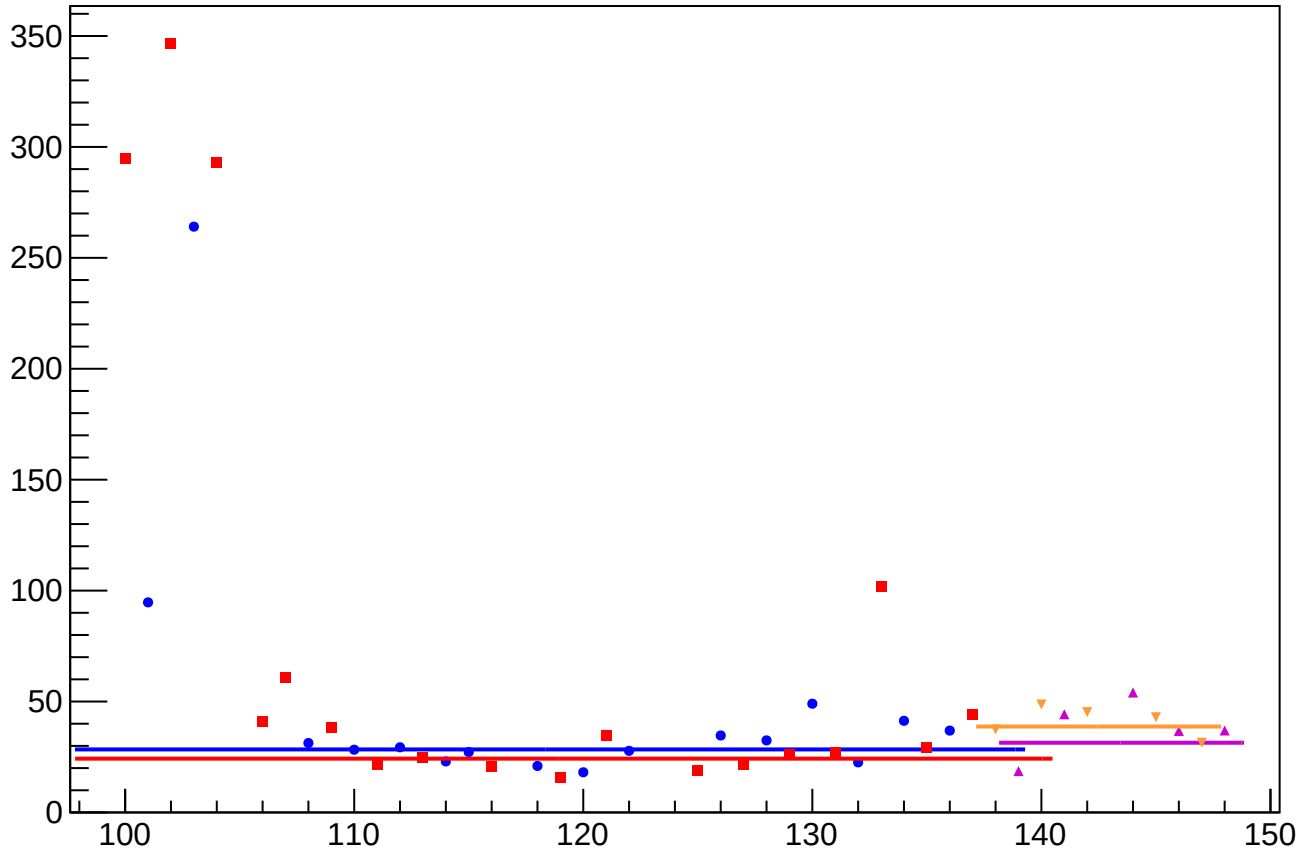
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.004+/-0.007 χ^2/NDF: 48.4/43

- sign 0.002+/-0.010 χ^2/NDF: 17.7/22



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.725+/-0.015 χ^2/NDF:174746.7/4

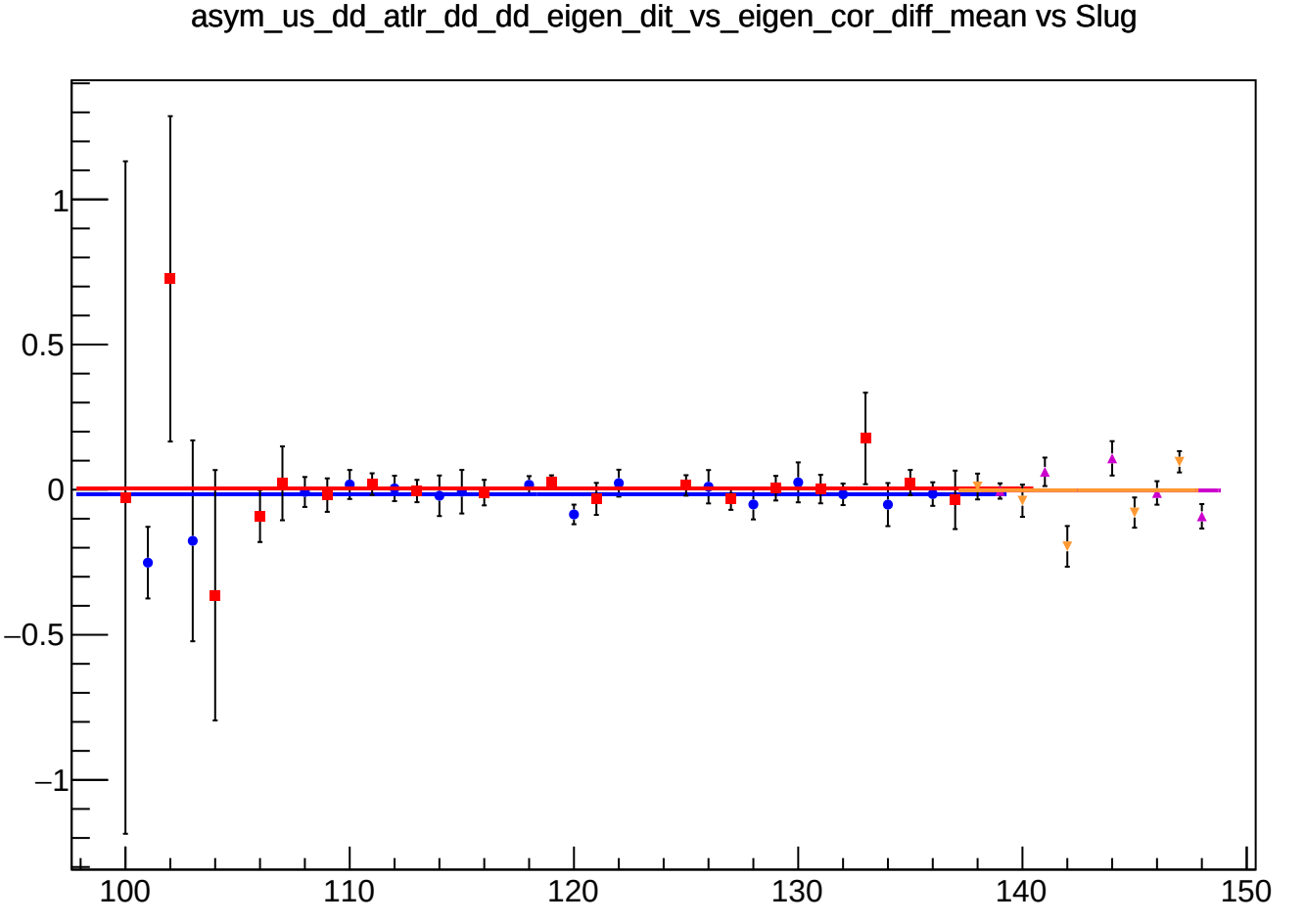
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

+ sign 30.939+/-0.008 χ^2/NDF: 2764744.5/20

All: 28.426+/-0.005 χ^2/NDF: 7077292.3/43

- sign 26.416+/-0.007 χ^2/NDF: 4113638.9/22



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

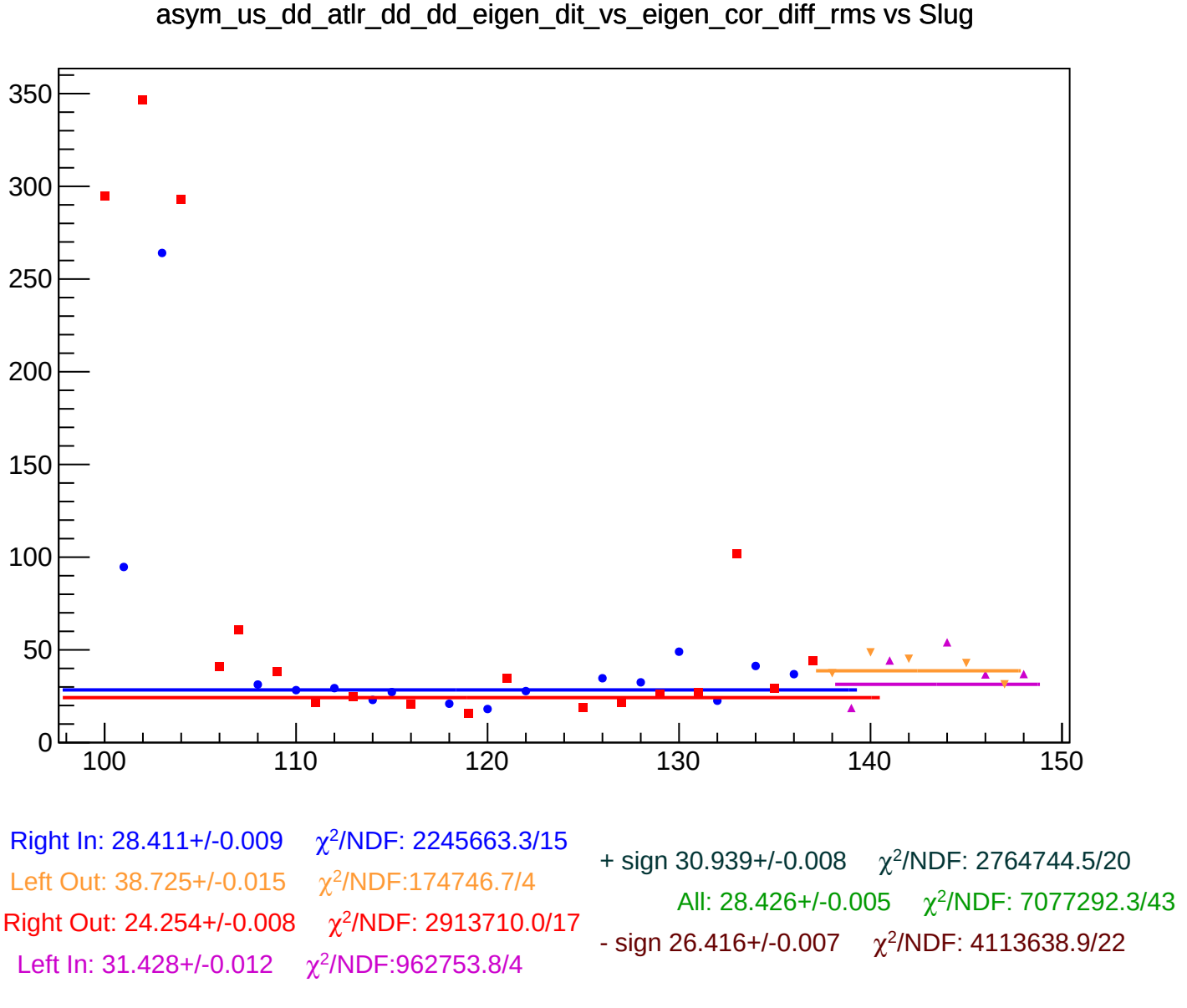
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

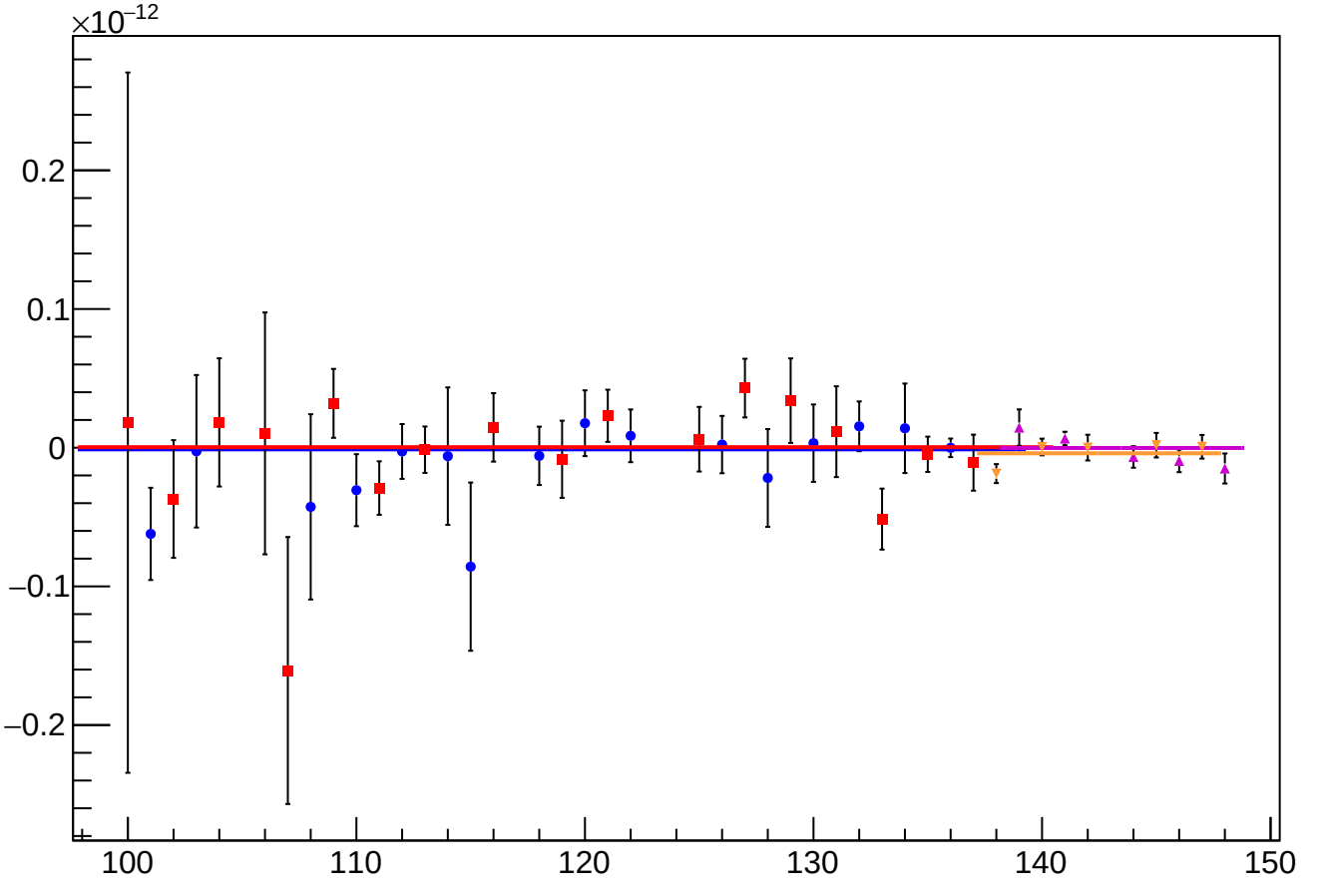
Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.012+/-0.011 χ^2/NDF: 29.6/20

All: -0.004+/-0.007 χ^2/NDF: 48.4/43

- sign 0.002+/-0.010 χ^2/NDF: 17.7/22


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 38.725+/-0.015 χ²/NDF:174746.7/4
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 31.428+/-0.012 χ²/NDF:962753.8/4
+ sign 30.939+/-0.008 χ²/NDF: 2764744.5/20
All: 28.426+/-0.005 χ²/NDF: 7077292.3/43
- sign 26.416+/-0.007 χ²/NDF: 4113638.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/4

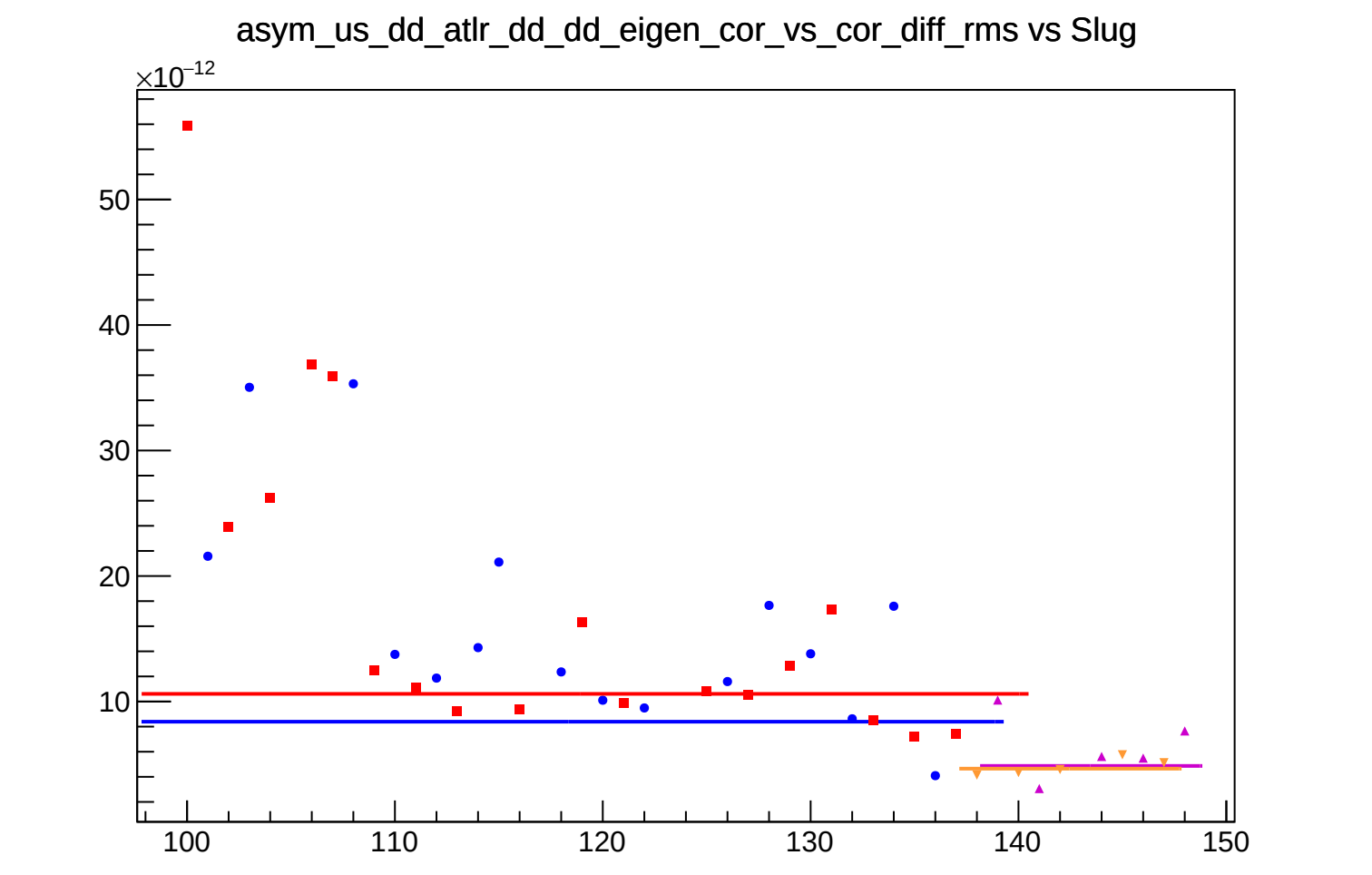
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.1/4

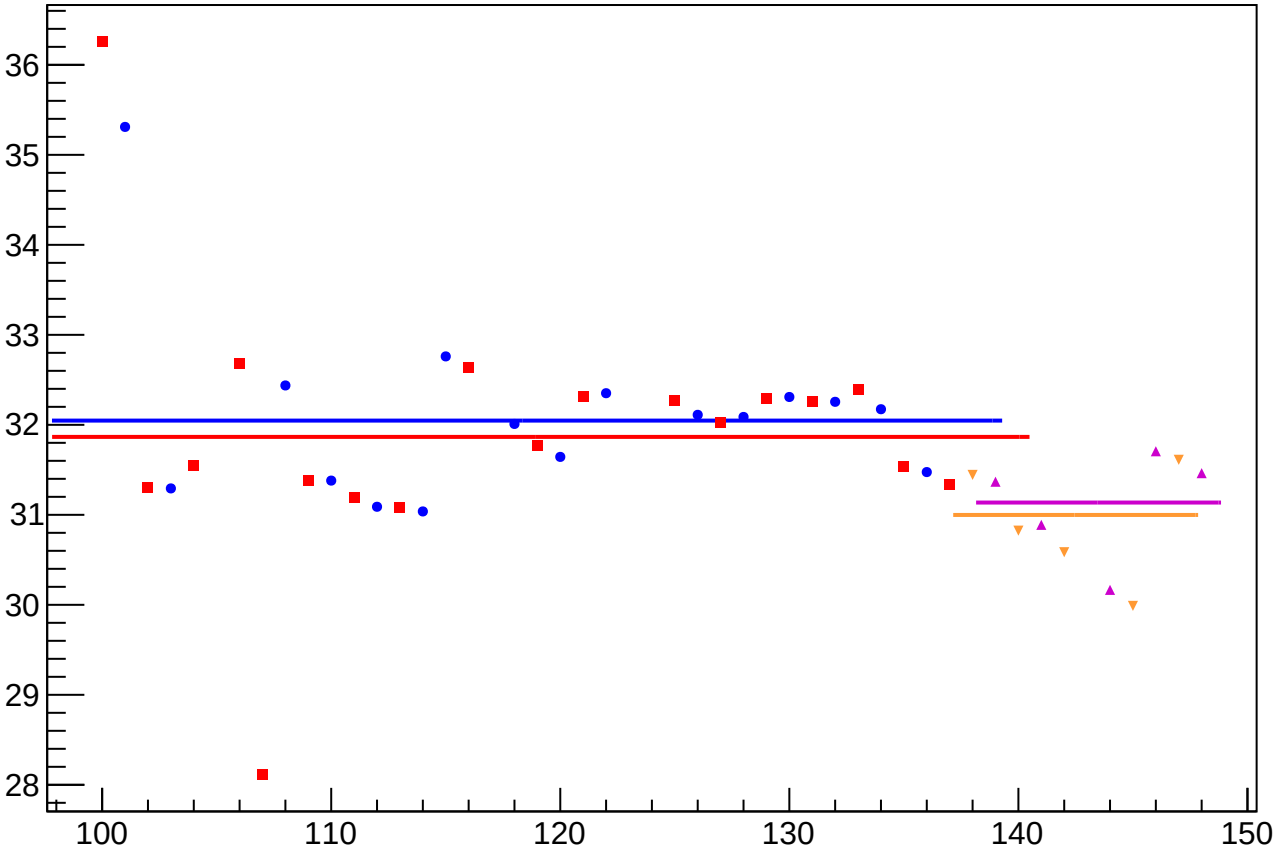
+ sign -0.000+/-0.000 χ^2/NDF: 15.8/20

All: -0.000+/-0.000 χ^2/NDF: 44.5/43

- sign -0.000+/-0.000 χ^2/NDF: 28.2/22


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:54120.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:757479.0/4
+ sign 0.000+/-0.000 χ²/NDF: 3579961.6/20
All: 0.000+/-0.000 χ²/NDF: 7138310.9/43
- sign 0.000+/-0.000 χ²/NDF: 3529113.9/22

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

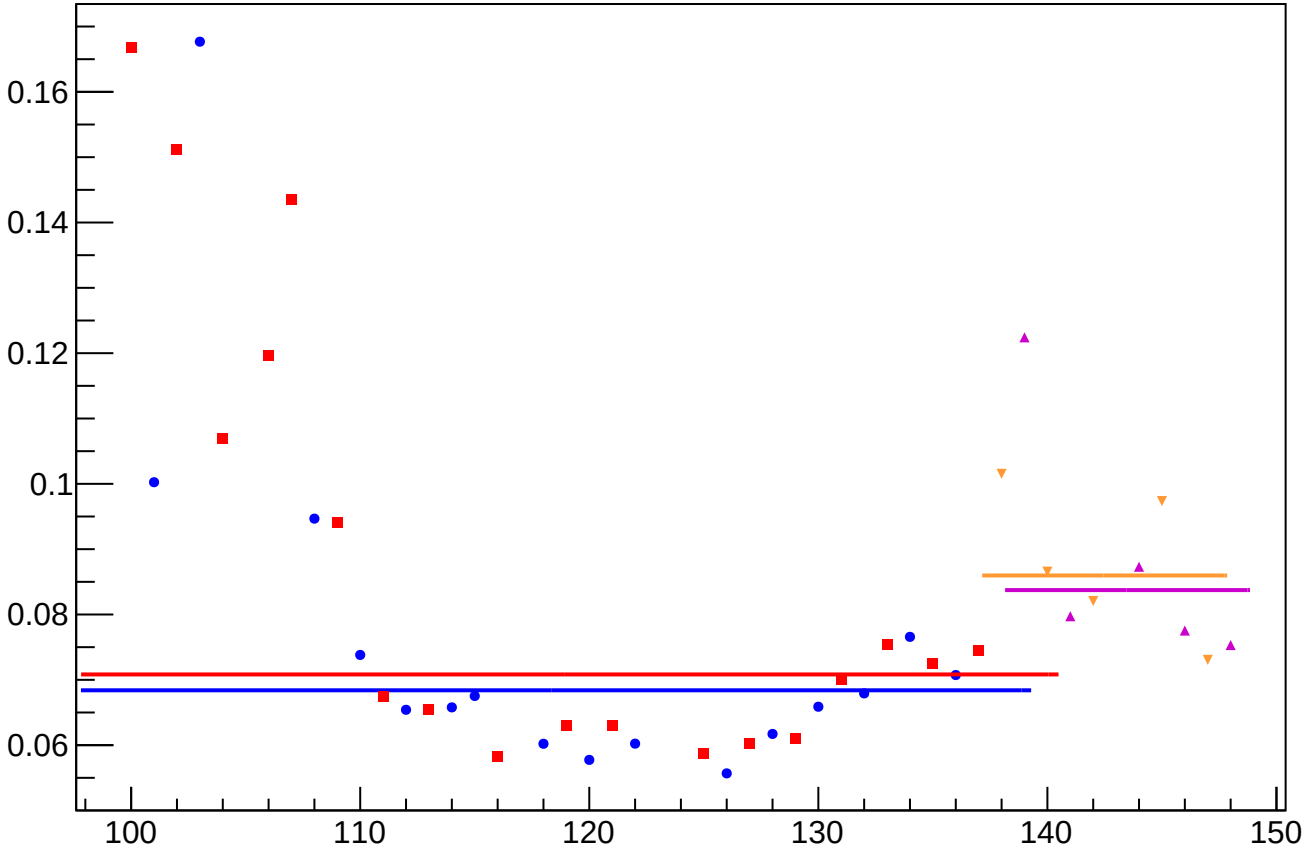
Left In: 31.136+/-0.000 χ^2/NDF:166033171.5/4

+ sign 31.789+/-0.000 χ^2/NDF: 1417941546.1/20

All: 31.717+/-0.000 χ^2/NDF: 2288764206.6/4

- sign 31.645+/-0.000 χ^2/NDF: 852292435.8/22

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

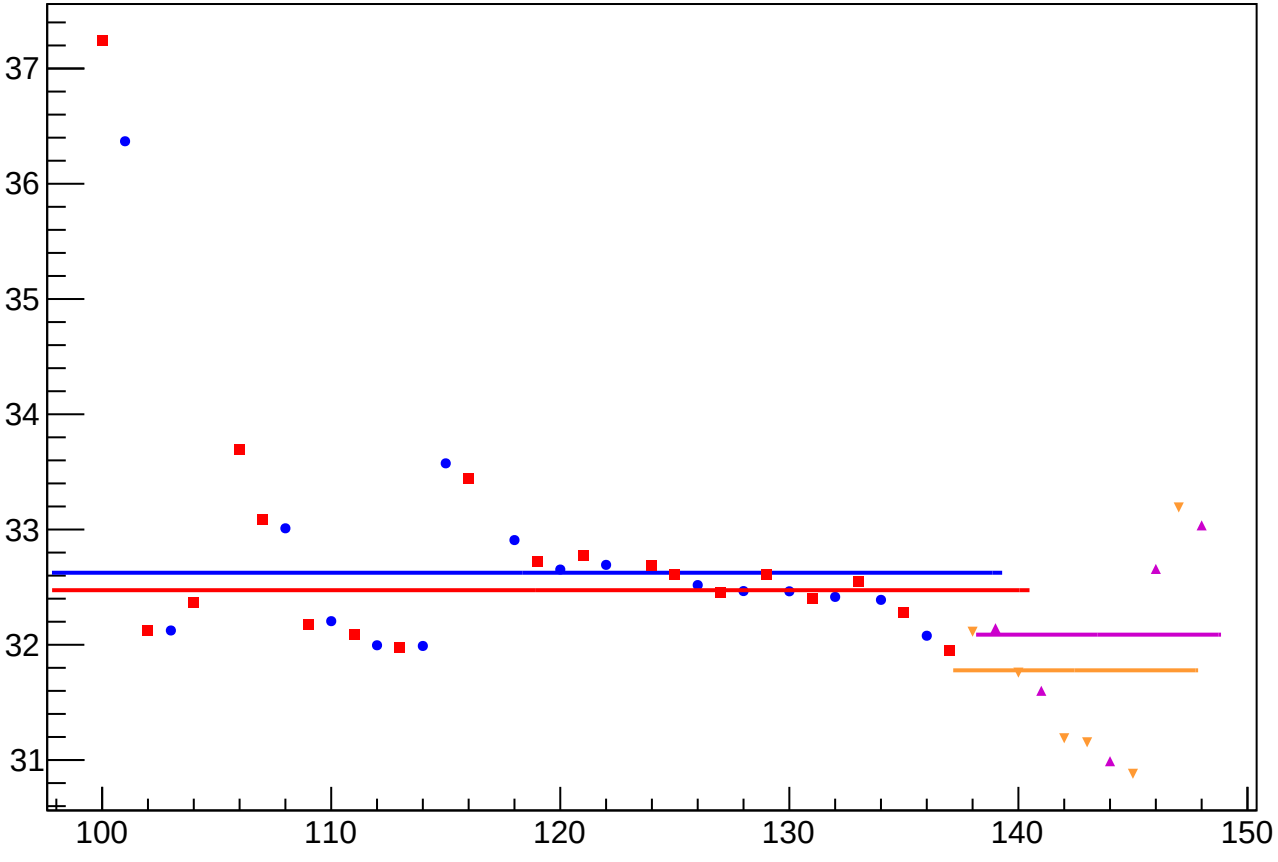
Left In: 0.084+/-0.000 χ^2/NDF:192619.0/4

+ sign 0.073+/-0.000 χ^2/NDF: 1008990.4/20

All: 0.074+/-0.000 χ^2/NDF: 2202590.2/43

- sign 0.075+/-0.000 χ^2/NDF: 1186363.0/22

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

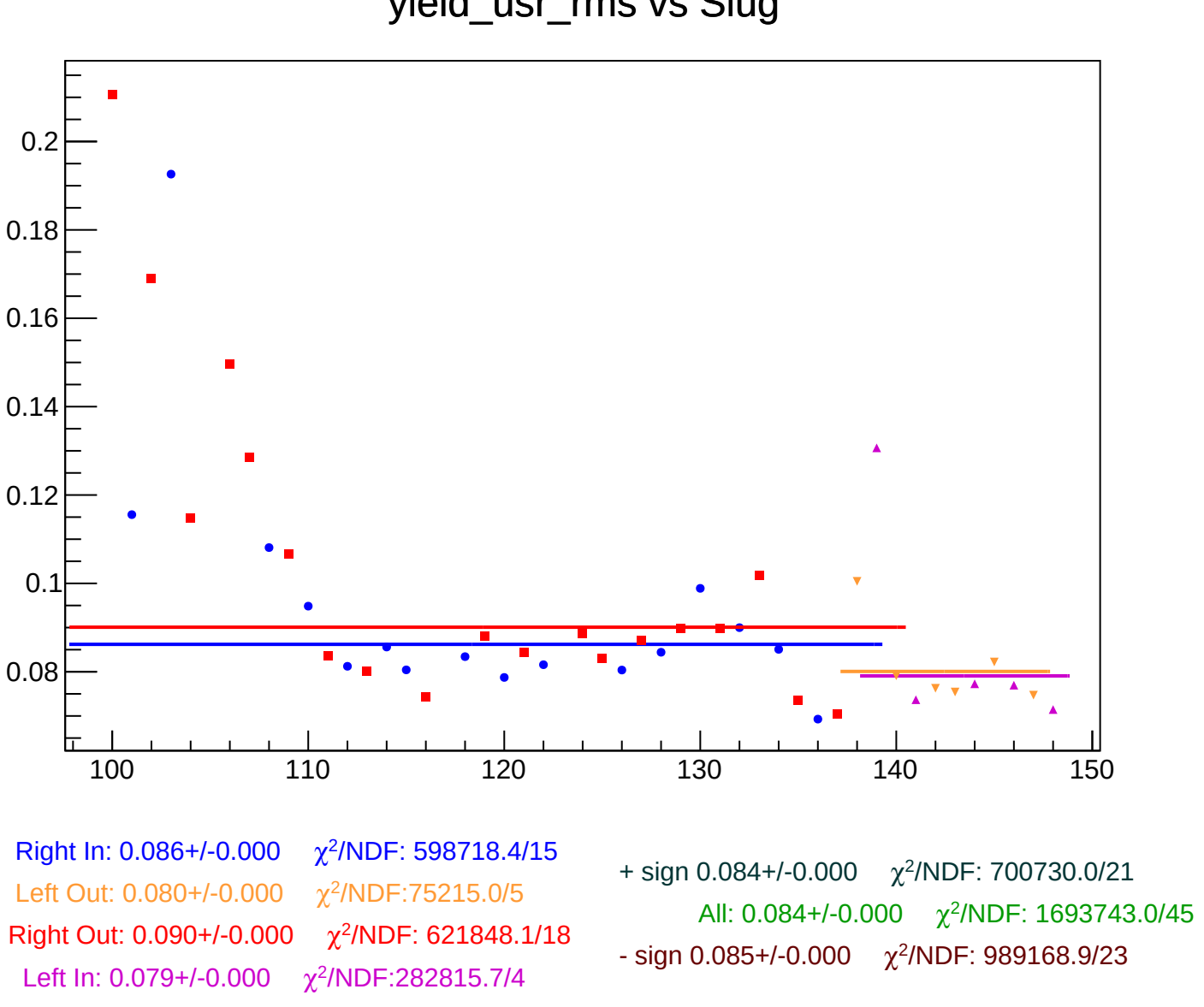
Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.088+/-0.000 χ^2/NDF:381030116.6/4

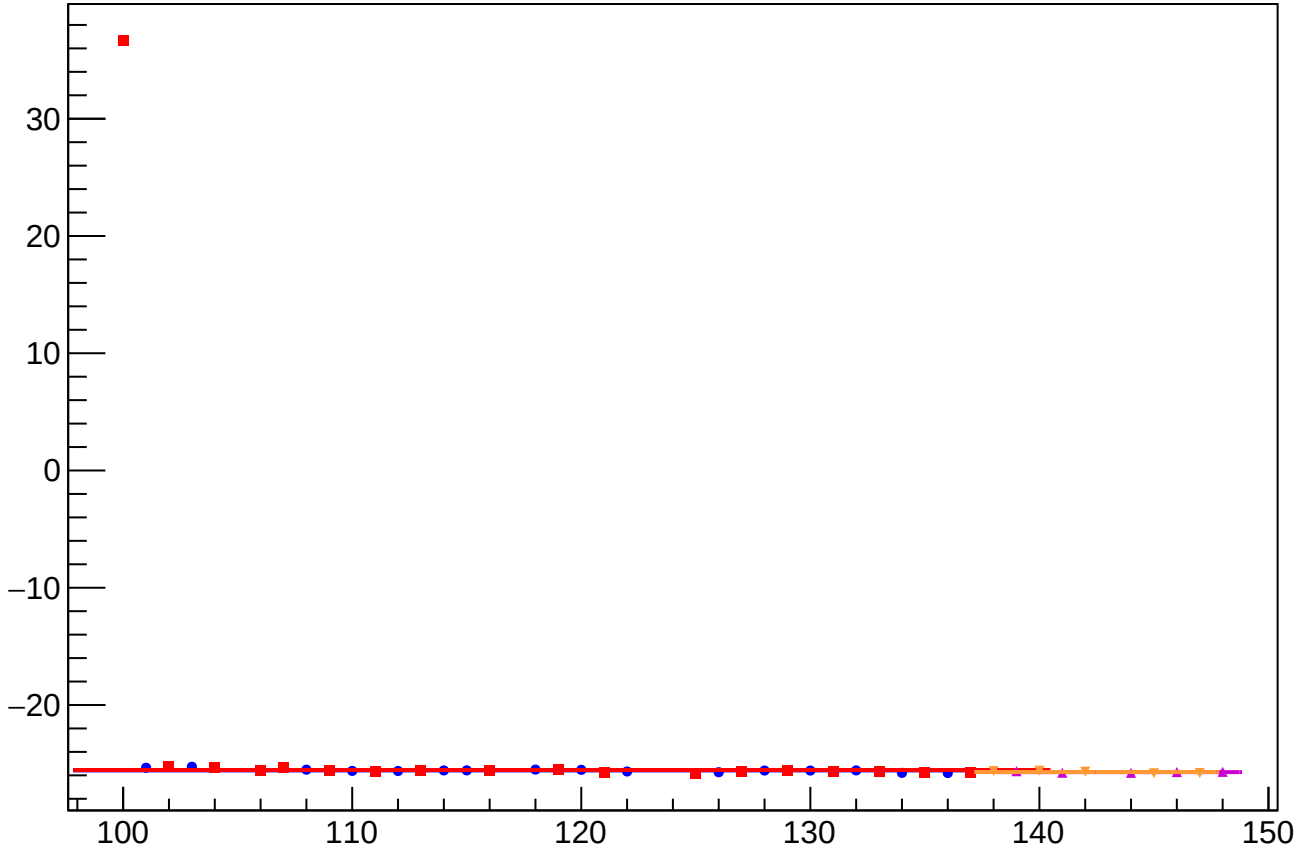
+ sign 32.268+/-0.000 χ^2/NDF: 1431635016.9/21

All: 32.286+/-0.000 χ^2/NDF: 2022203937.7/4

- sign 32.305+/-0.000 χ^2/NDF: 589601669.5/23


yield_usr_rms vs Slug
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
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: 0.079+/-0.000 χ²/NDF:282815.7/4
+ sign 0.084+/-0.000 χ²/NDF: 700730.0/21
All: 0.084+/-0.000 χ²/NDF: 1693743.0/45
- sign 0.085+/-0.000 χ²/NDF: 989168.9/23

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

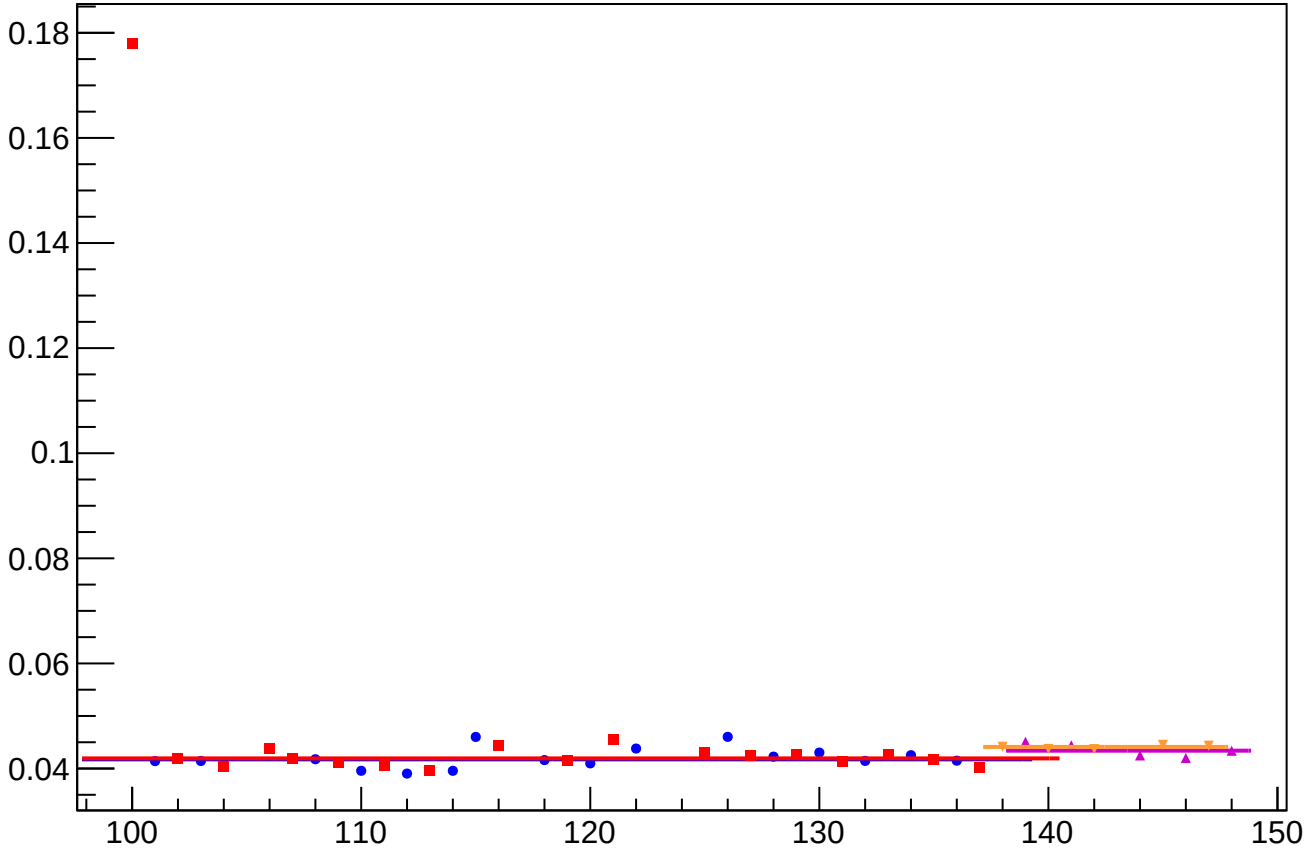
Left In: -25.726+/-0.000 χ^2/NDF:5691670.0/4

+ sign -25.622+/-0.000 χ^2/NDF: 138566065.5/20

All: -25.615+/-0.000 χ^2/NDF: 9101413578.2/

- sign -25.609+/-0.000 χ^2/NDF: 8962303881.0/22

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

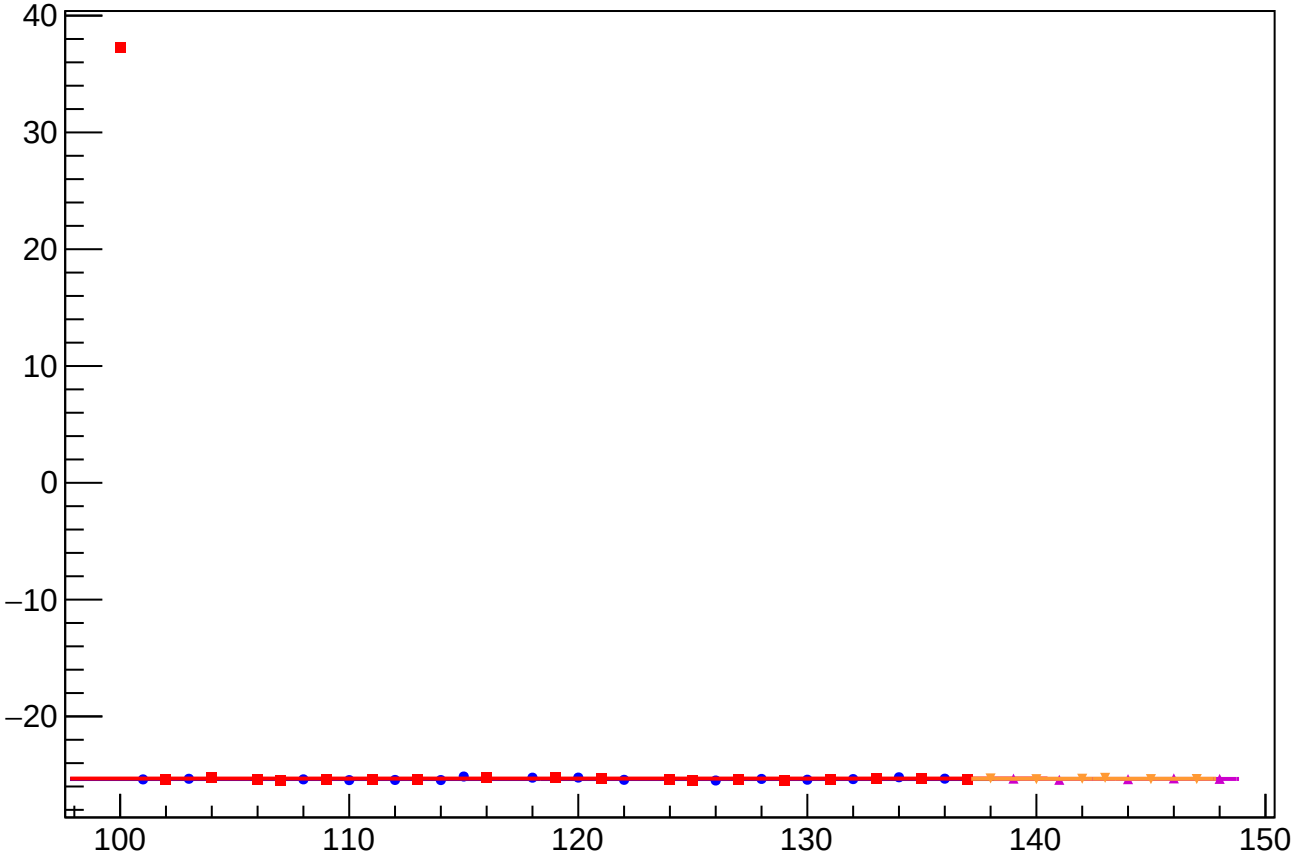
Left In: 0.043+/-0.000 χ^2/NDF:6035.1/4

+ sign 0.042+/-0.000 χ^2/NDF: 35556.6/20

All: 0.042+/-0.000 χ^2/NDF: 148097.6/43

- sign 0.042+/-0.000 χ^2/NDF: 112532.5/22

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

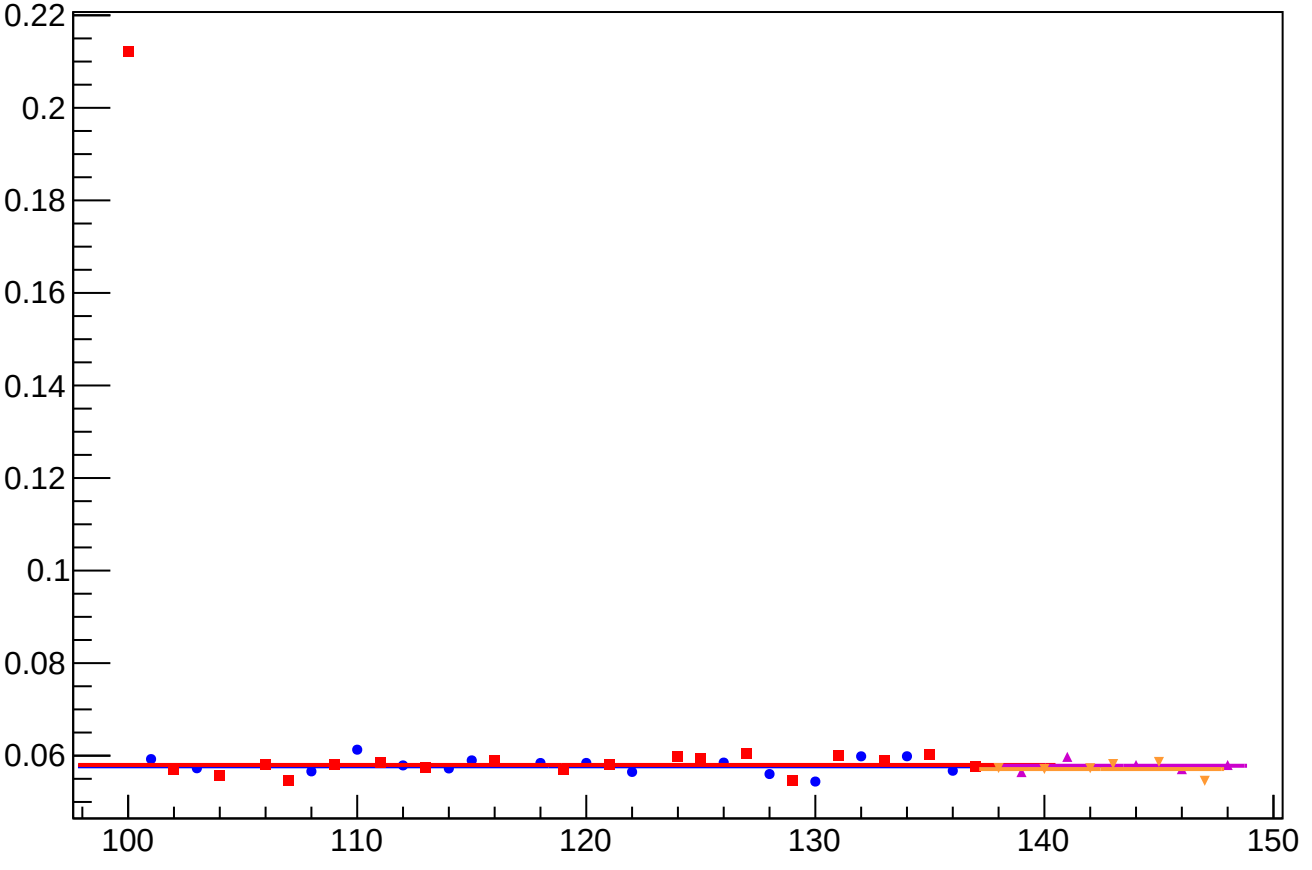
Left In: -25.354+/-0.000 χ^2/NDF:2216481.3/4

+ sign -25.351+/-0.000 χ^2/NDF: 16019391.9/21

All: -25.343+/-0.000 χ^2/NDF: 6334458034.8/

- sign -25.334+/-0.000 χ^2/NDF: 6317913332.1/23

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

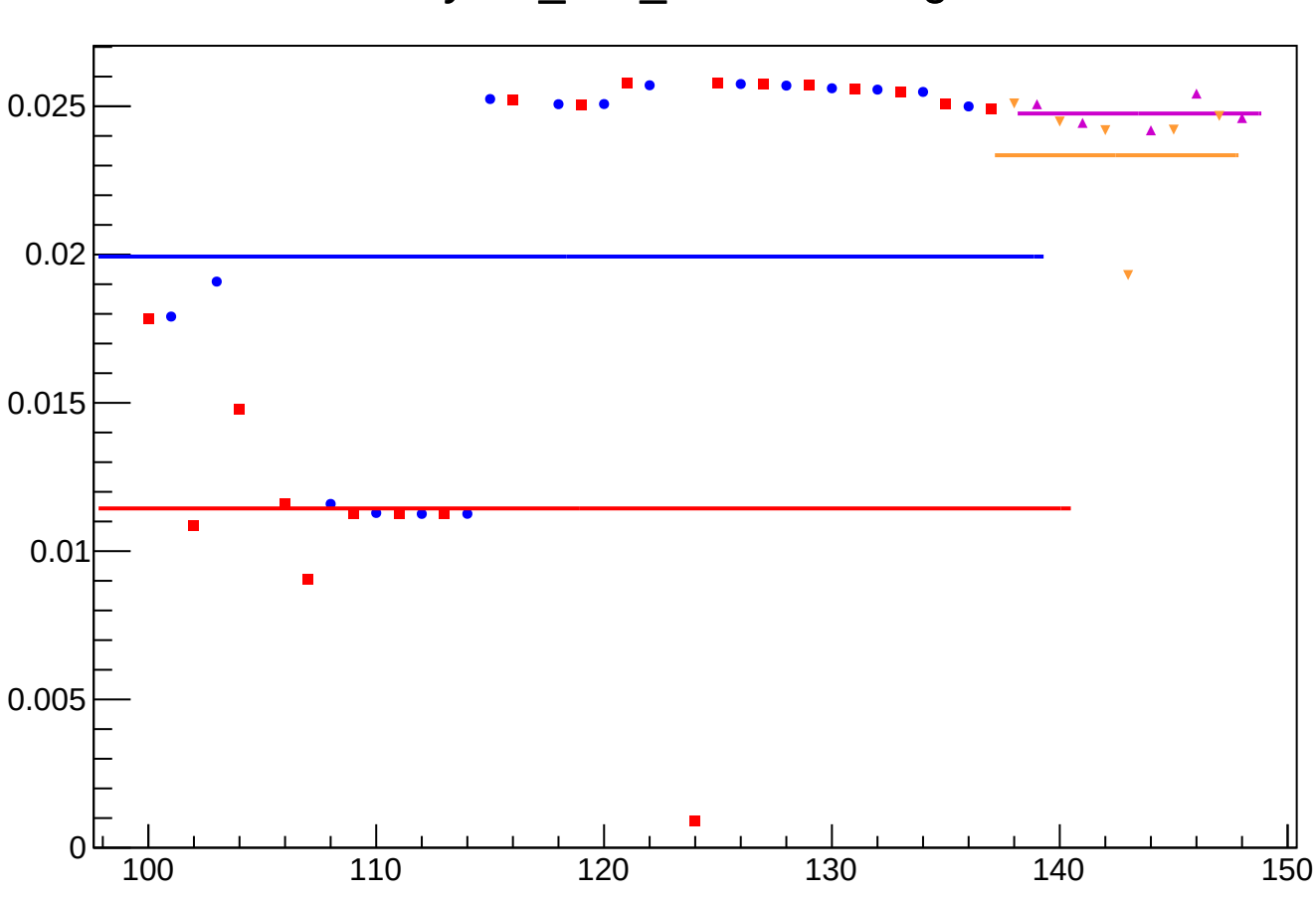
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3029.8/4

+ sign 0.057+/-0.000 χ^2/NDF: 17415.6/21

All: 0.058+/-0.000 χ^2/NDF: 109909.6/45

- sign 0.058+/-0.000 χ^2/NDF: 91762.5/23



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

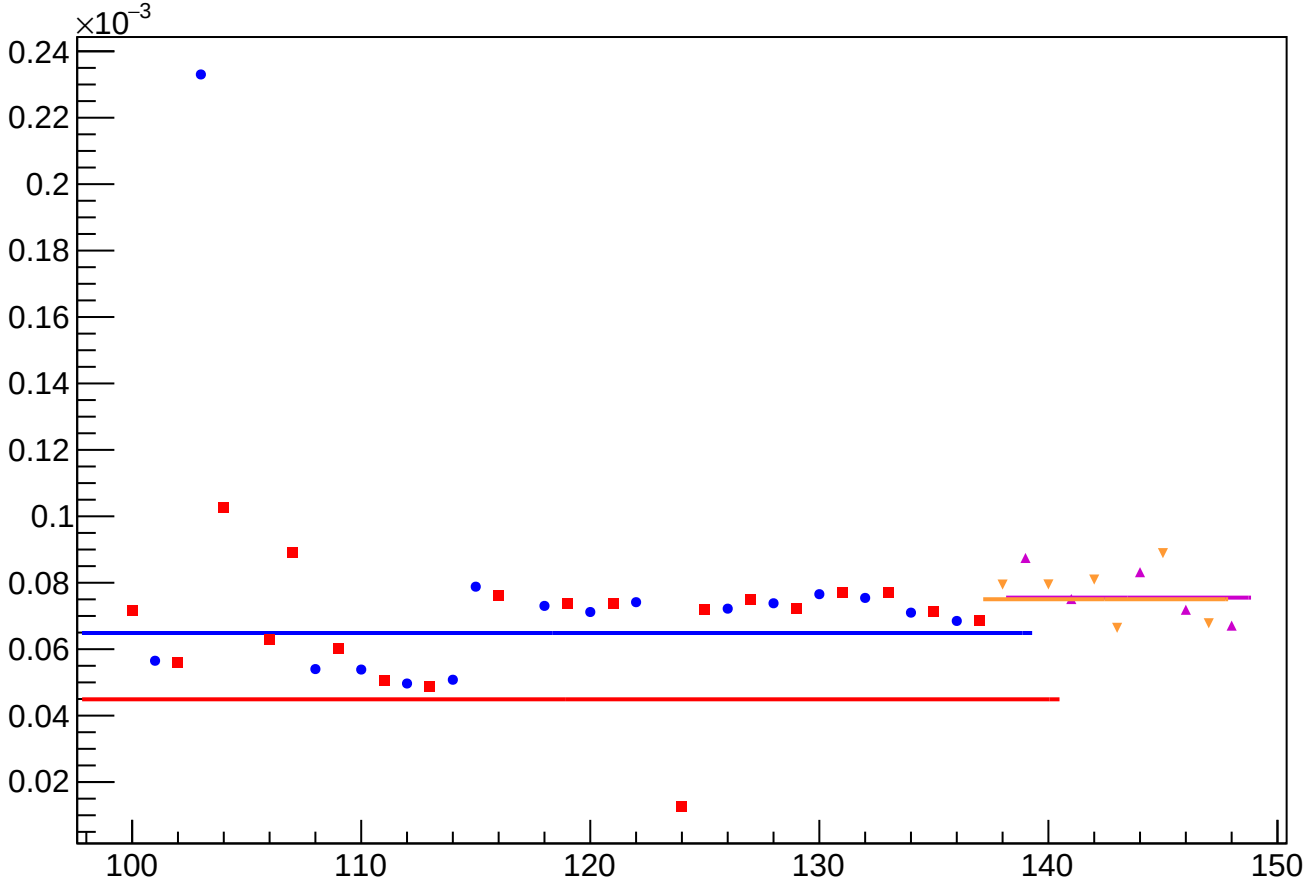
Left In: 0.025+/-0.000 χ^2/NDF:145993389.6/4

+ sign 0.021+/-0.000 χ^2/NDF: 72313005193.6/21

All: 0.017+/-0.000 χ^2/NDF: 486281502538.0

- sign 0.014+/-0.000 χ^2/NDF: 354708128381.7/23

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

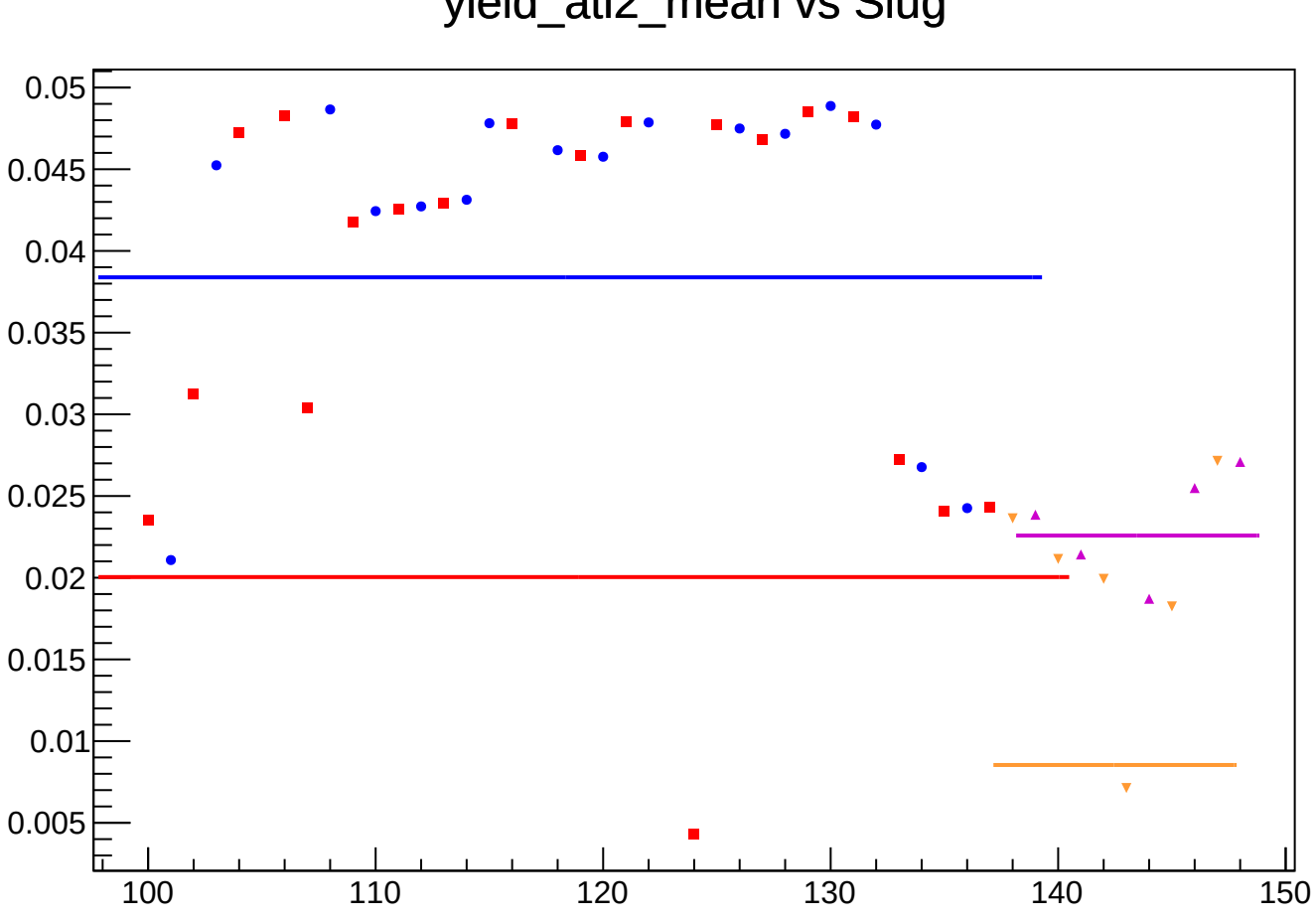
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:75303.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 1019731.8/21

All: 0.000+/-0.000 χ^2/NDF: 6659116.4/45

- sign 0.000+/-0.000 χ^2/NDF: 4910206.1/23



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:9486581108.6/5

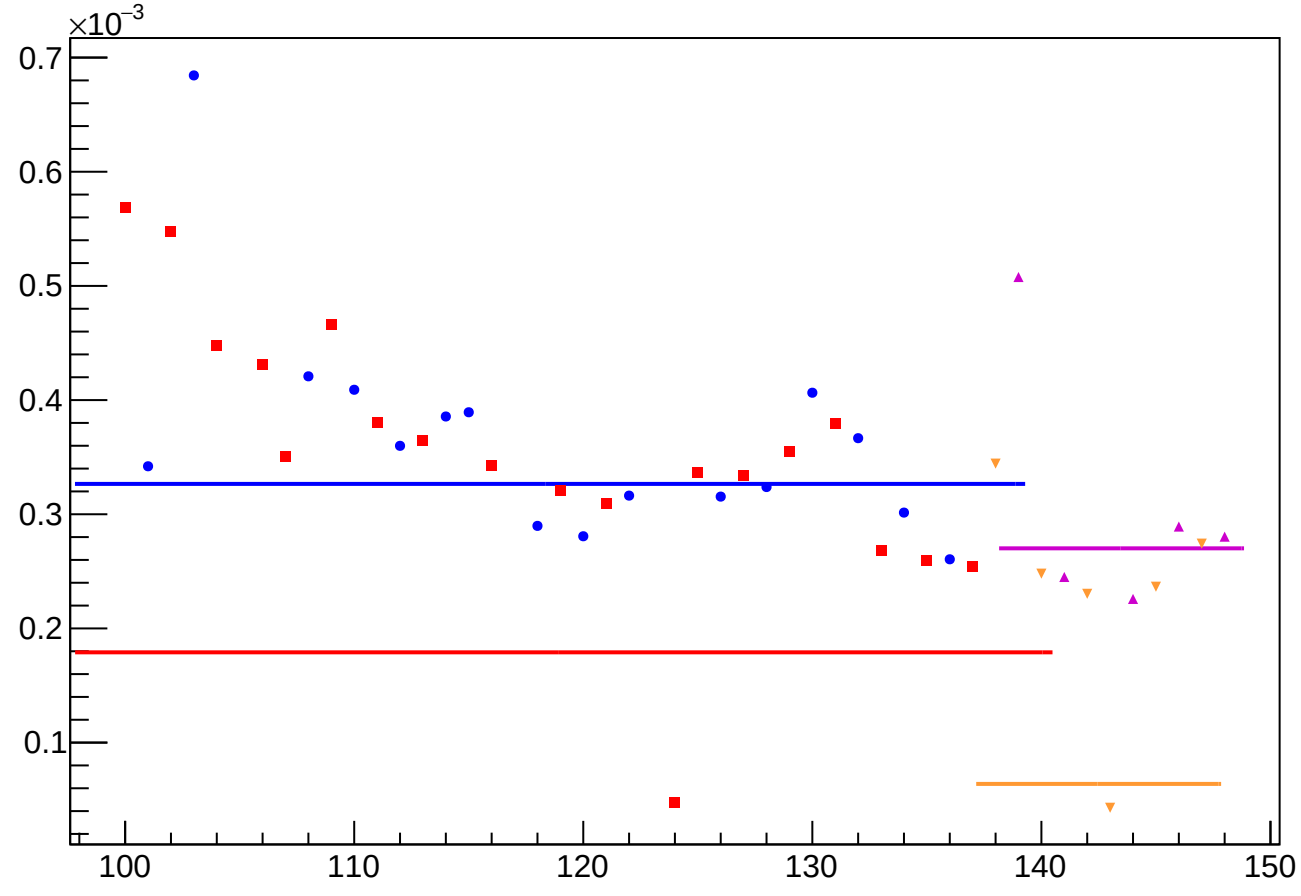
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:539772247.3/4

+ sign 0.012+/-0.000 χ^2/NDF: 63534499647.7/21

All: 0.014+/-0.000 χ^2/NDF: 117085023637.9

- sign 0.021+/-0.000 χ^2/NDF: 42957473065.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4064267.4/5

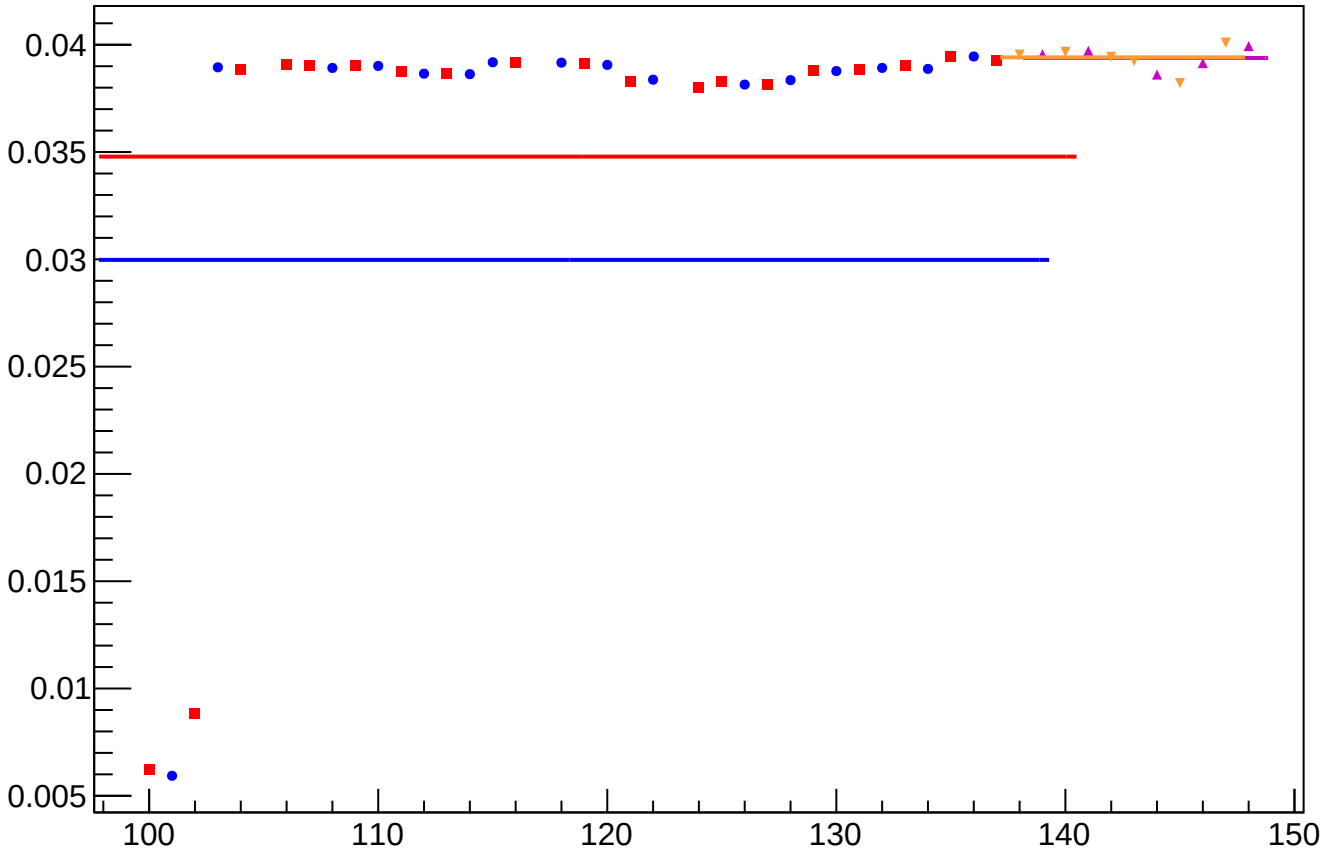
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:438011.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 11927162.5/21

All: 0.000+/-0.000 χ^2/NDF: 21997486.7/45

- sign 0.000+/-0.000 χ^2/NDF: 6696910.2/23



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:75220189.7/5

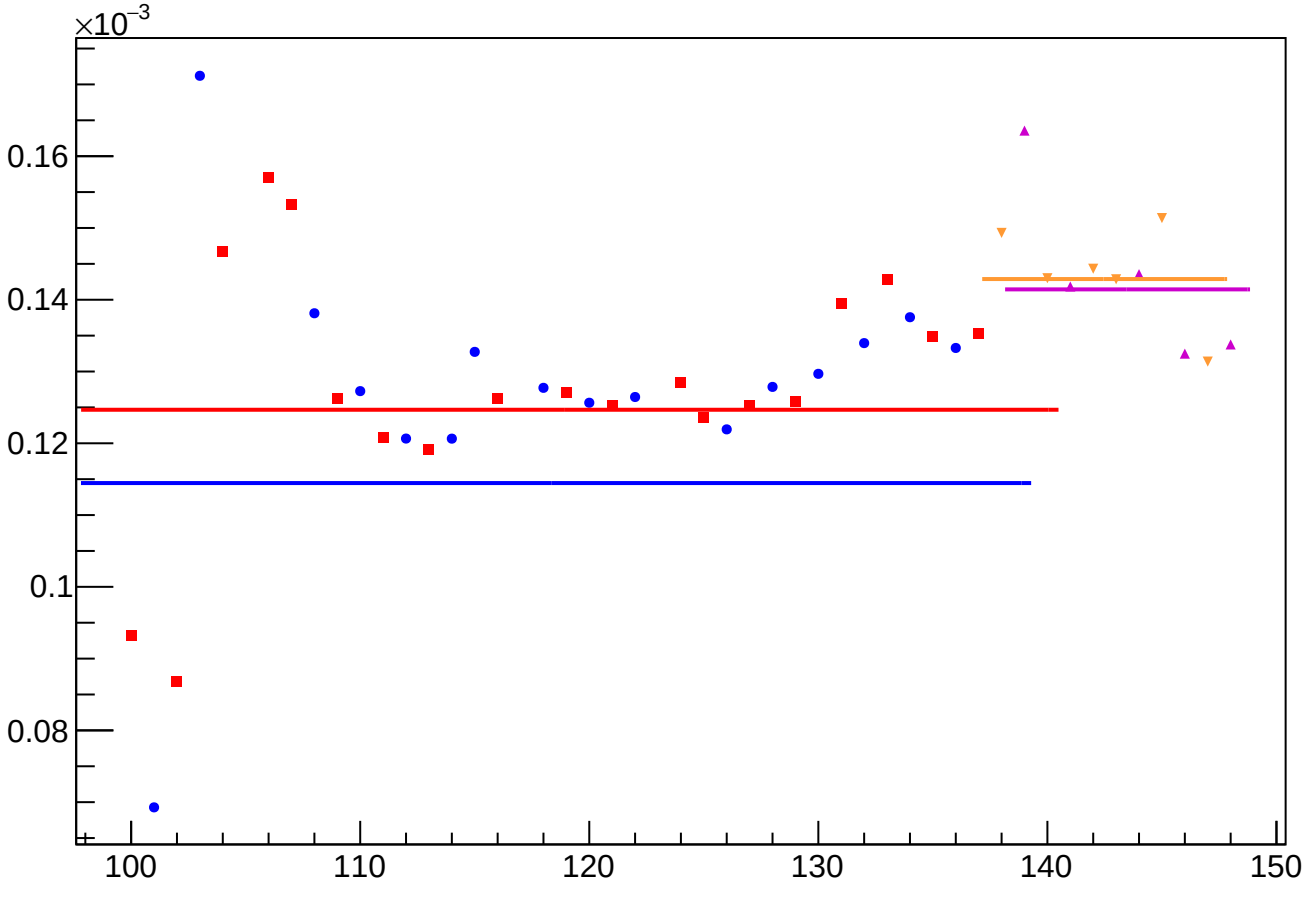
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:47241973.6/4

+ sign 0.033+/-0.000 χ^2/NDF: 121621340794.9/21

All: 0.034+/-0.000 χ^2/NDF: 176154838829.5

- sign 0.036+/-0.000 χ^2/NDF: 50318080974.0/23



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

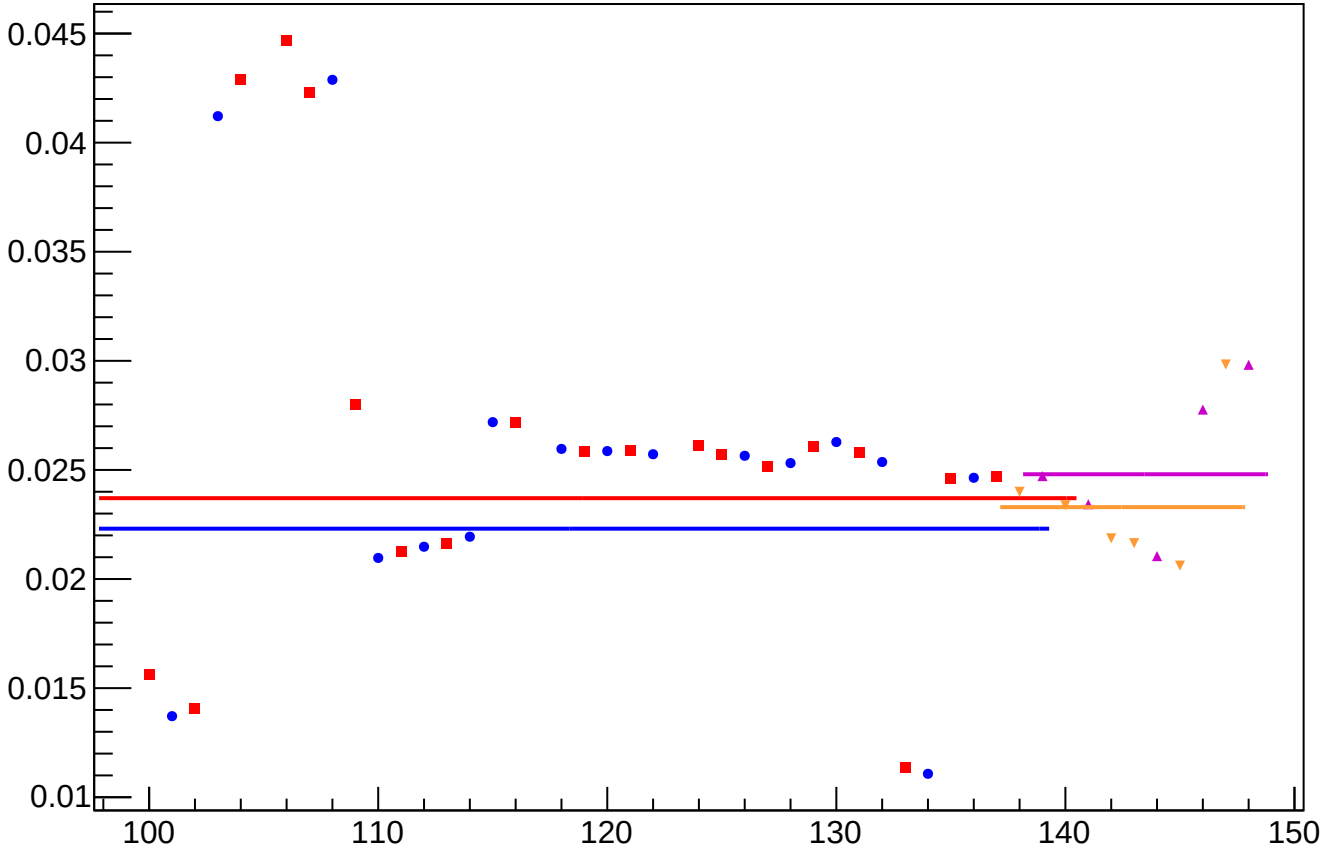
Left In: 0.000+/-0.000 χ^2/NDF:43813.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 1114173.1/21

All: 0.000+/-0.000 χ^2/NDF: 1534116.7/45

- sign 0.000+/-0.000 χ^2/NDF: 384264.6/23

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

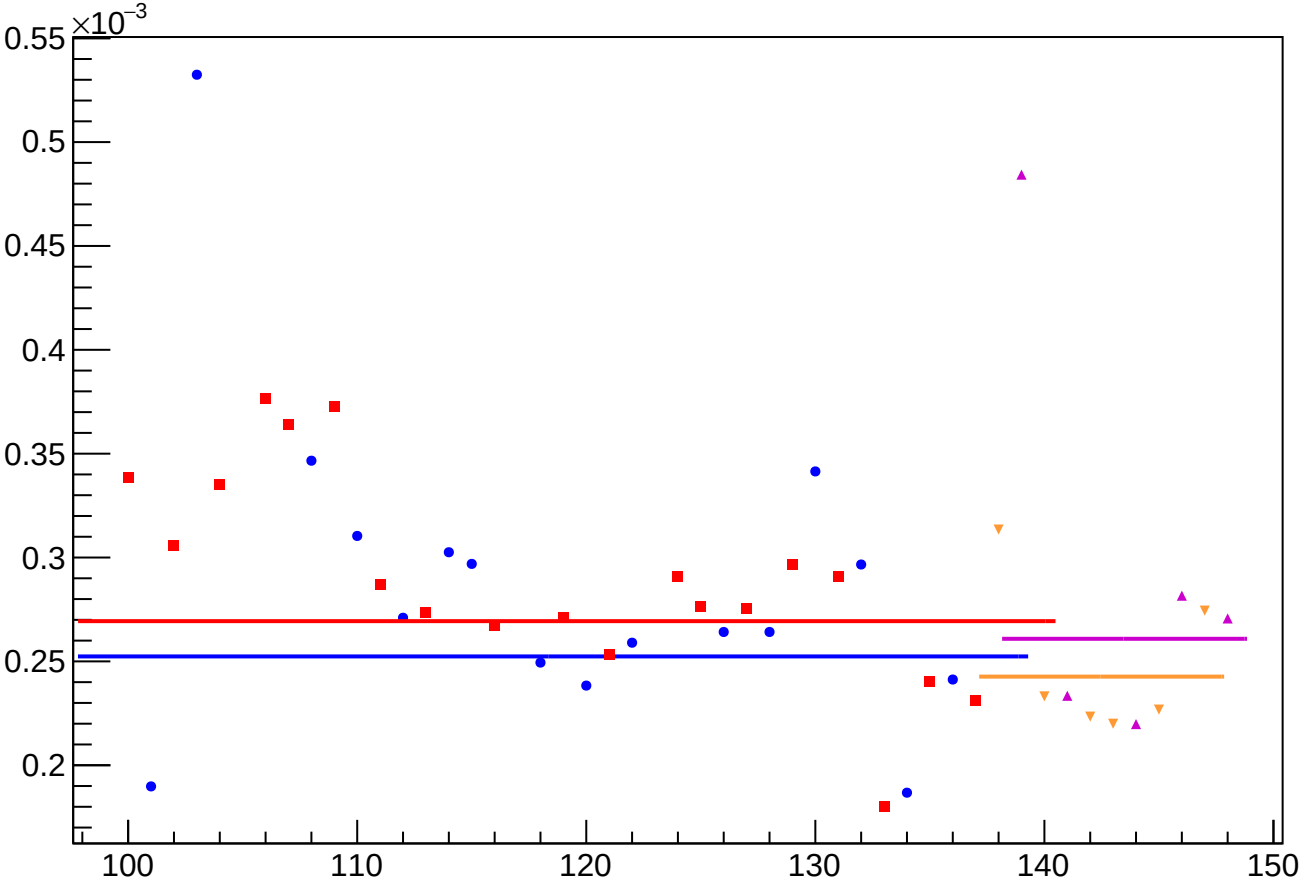
Left In: 0.025+/-0.000 χ^2/NDF:622319251.3/4

+ sign 0.023+/-0.000 χ^2/NDF: 5631739851.8/21

All: 0.023+/-0.000 χ^2/NDF: 12033085445.8/4

- sign 0.024+/-0.000 χ^2/NDF: 6245330285.7/23

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:118954.0/5

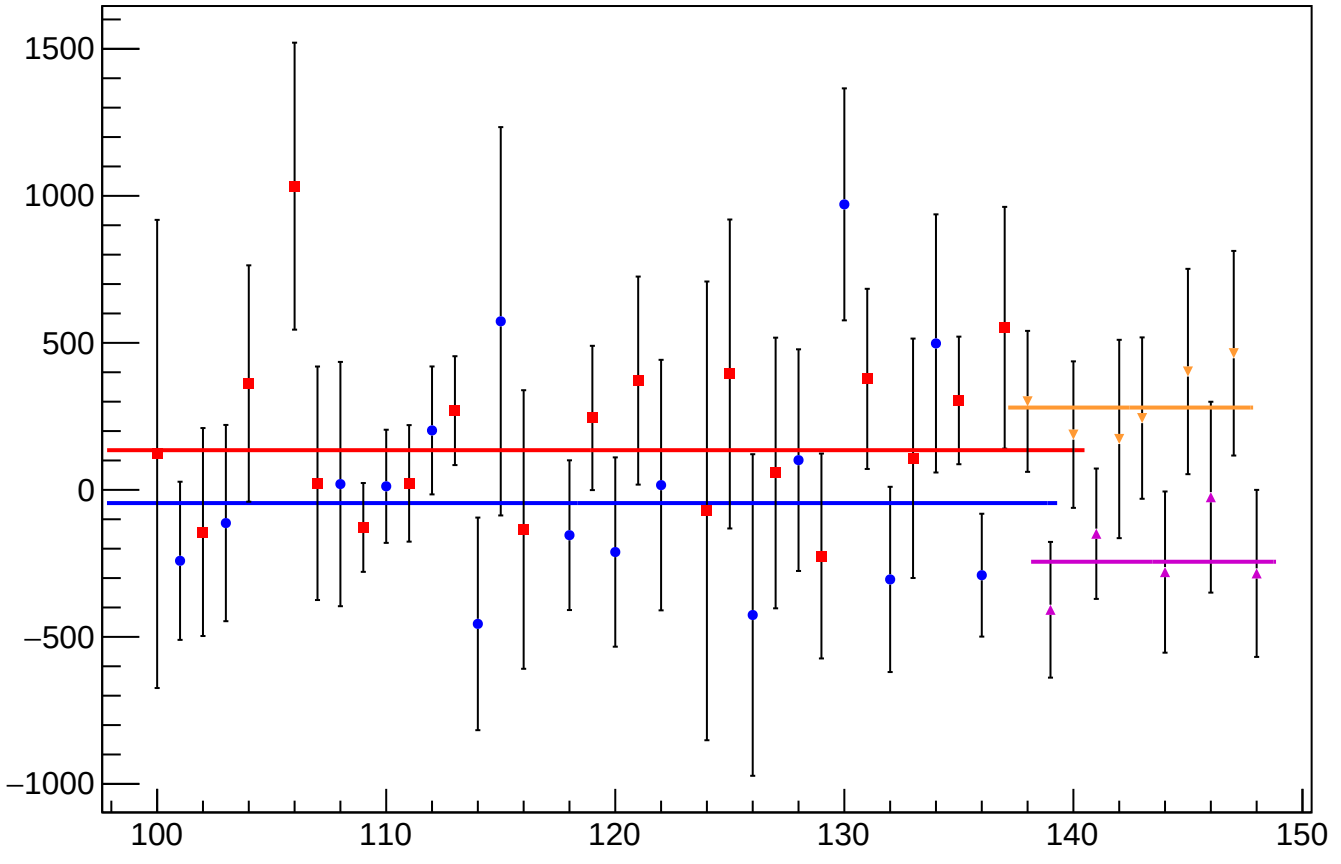
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:435062.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 834191.4/21

All: 0.000+/-0.000 χ^2/NDF: 1767983.2/45

- sign 0.000+/-0.000 χ^2/NDF: 886368.5/23



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

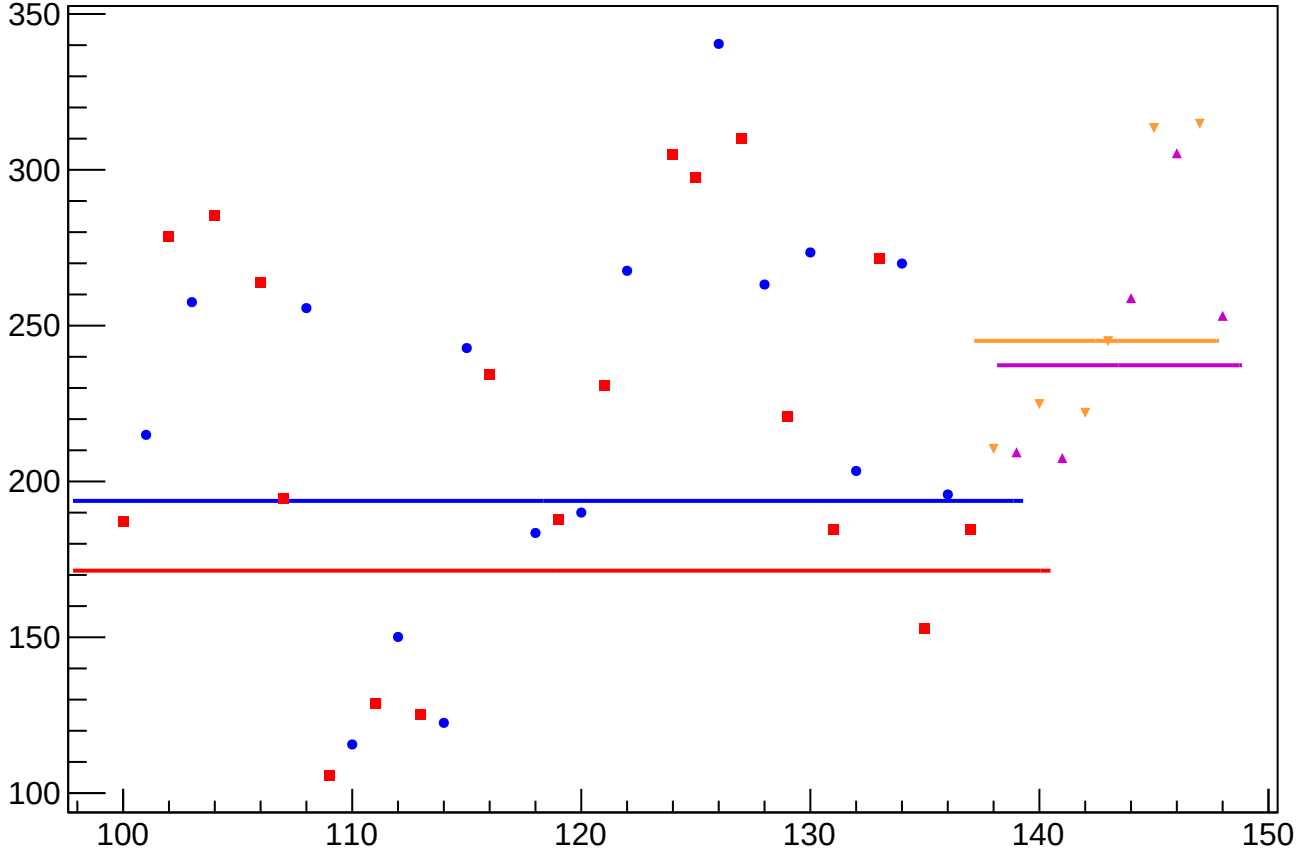
Left In: -244.472+/-116.010 χ^2/NDF:1.2/4

\+ sign 50.891+/-63.984 χ^2/NDF: 21.5/21

All: 43.798+/-43.257 χ^2/NDF: 43.6/45

\- sign 37.827+/-58.704 χ^2/NDF: 22.1/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 245.118+/-0.083 χ^2/NDF:221117.8/5

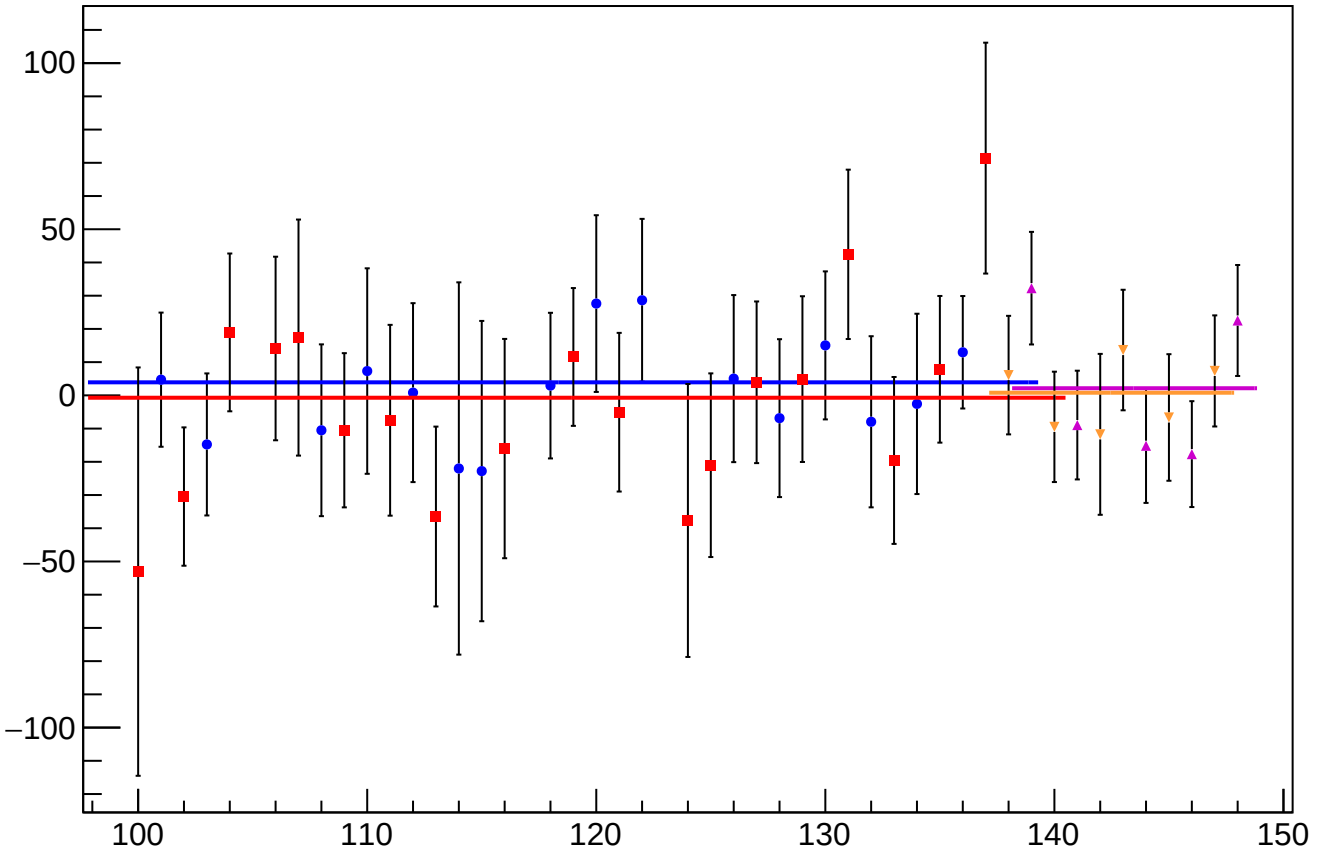
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

+ sign 208.910+/-0.045 χ^2/NDF: 1537058.0/21

All: 197.698+/-0.031 χ^2/NDF: 3960292.2/45

- sign 188.259+/-0.042 χ^2/NDF: 2310111.6/23



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

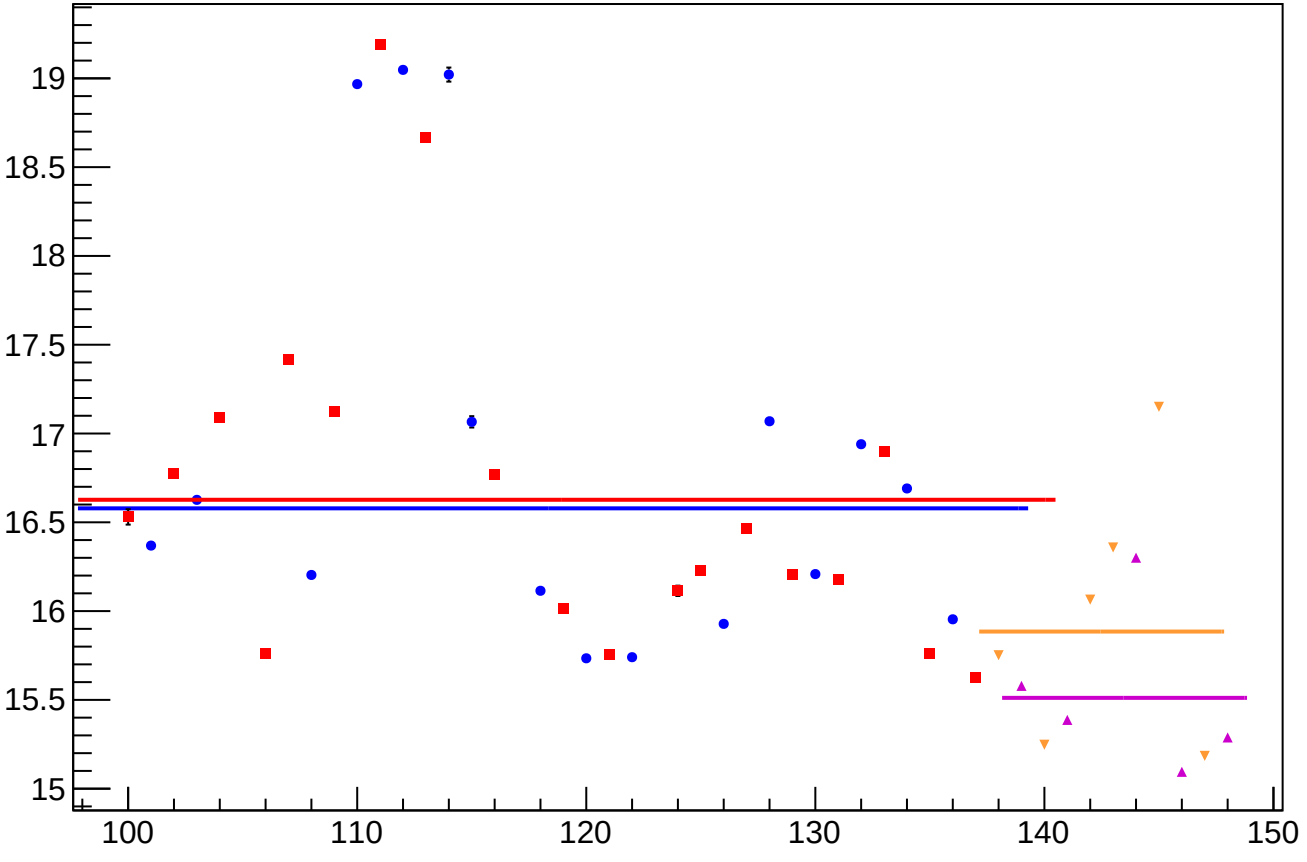
Left In: 2.145+/-7.429 χ^2/NDF:7.7/4

\+ sign 2.658+/-4.762 χ^2/NDF: 6.1/21

All: 1.531+/-3.346 χ^2/NDF: 29.9/45

\- sign 0.432+/-4.704 χ^2/NDF: 23.7/23

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

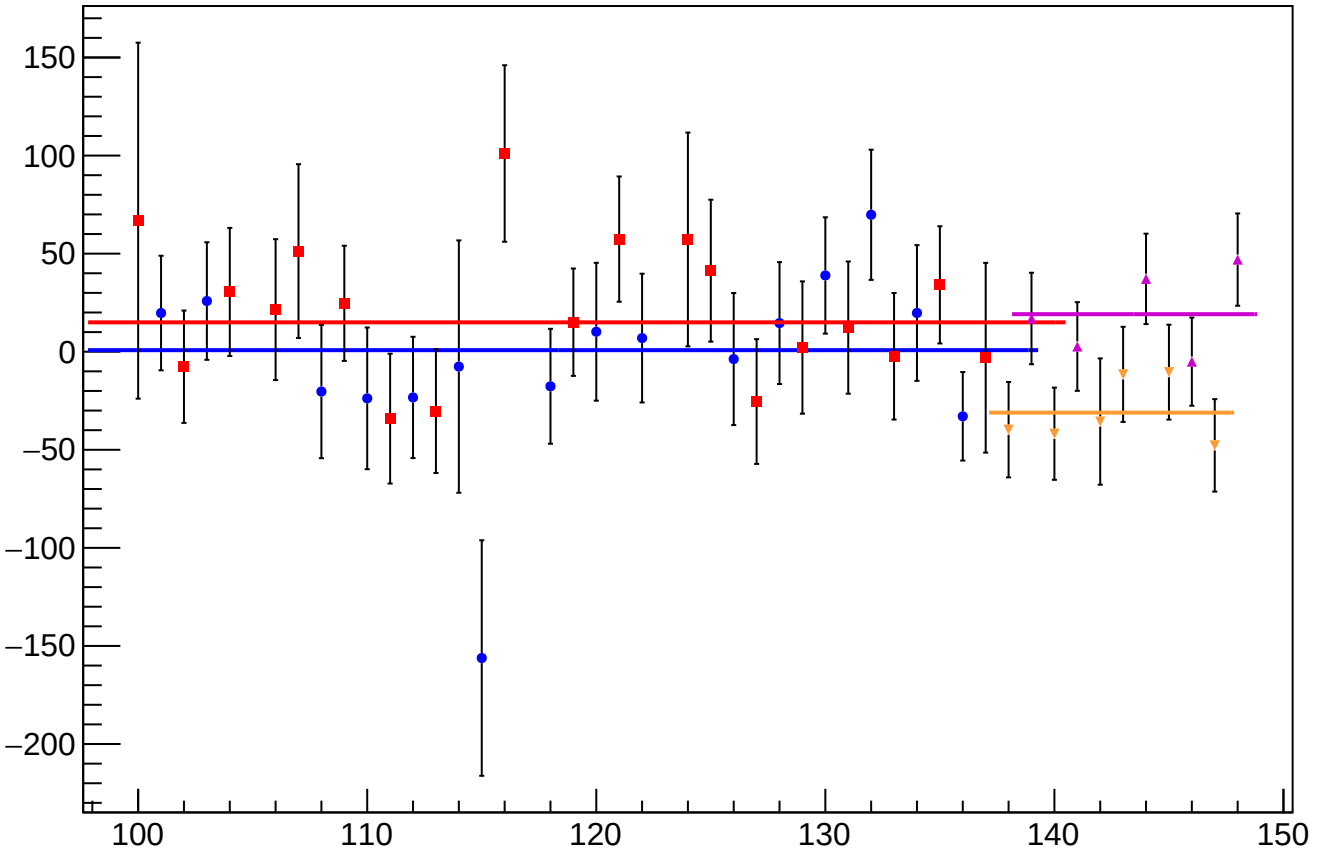
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.511+/-0.005 χ^2/NDF:6078.3/4

\+ sign 16.298+/-0.003 χ^2/NDF: 71665.2/21

All: 16.238+/-0.002 χ^2/NDF: 148842.7/45

\- sign 16.180+/-0.003 χ^2/NDF: 76554.6/23



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

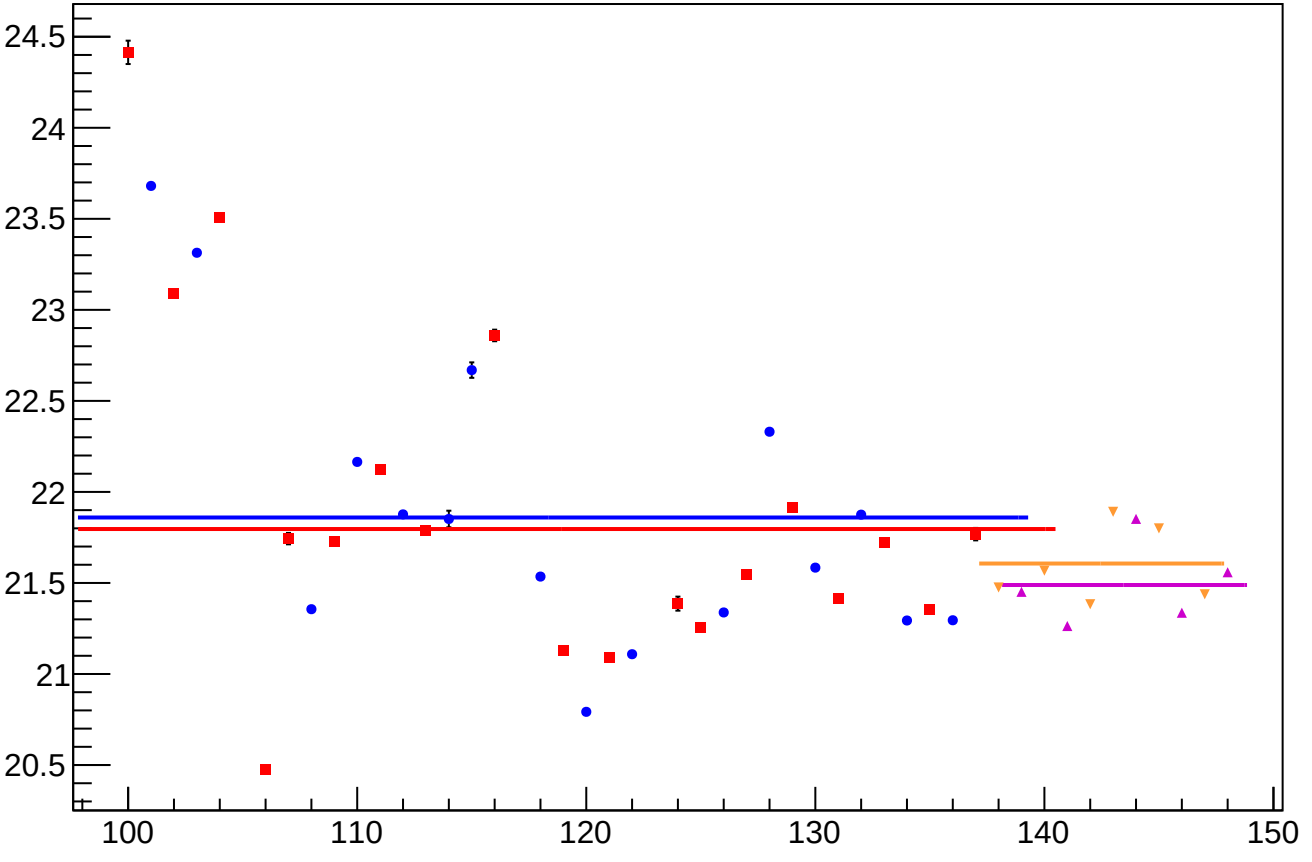
Left In: 19.142+/-10.278 χ^2/NDF:3.7/4

\+ sign -11.626+/-6.347 χ^2/NDF: 26.9/21

All: 2.584+/-4.468 χ^2/NDF: 56.0/45

\- sign 16.539+/-6.290 χ^2/NDF: 19.2/23

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

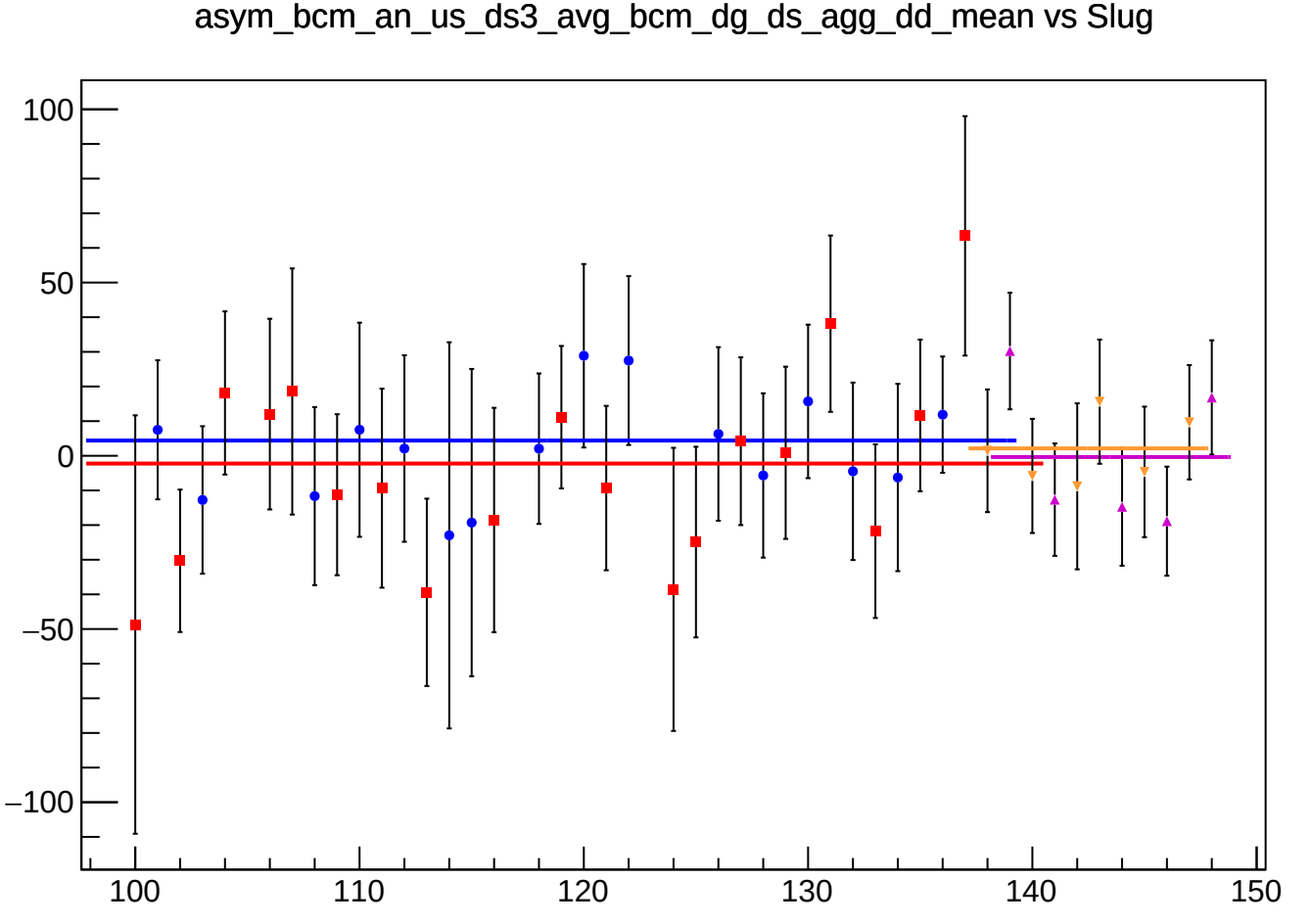
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.489+/-0.007 χ^2/NDF:810.3/4

+ sign 21.761+/-0.004 χ^2/NDF: 20888.0/21

All: 21.721+/-0.003 χ^2/NDF: 41839.2/45

- sign 21.681+/-0.004 χ^2/NDF: 20791.1/23



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.133+/-7.410 χ^2/NDF:1.3/5

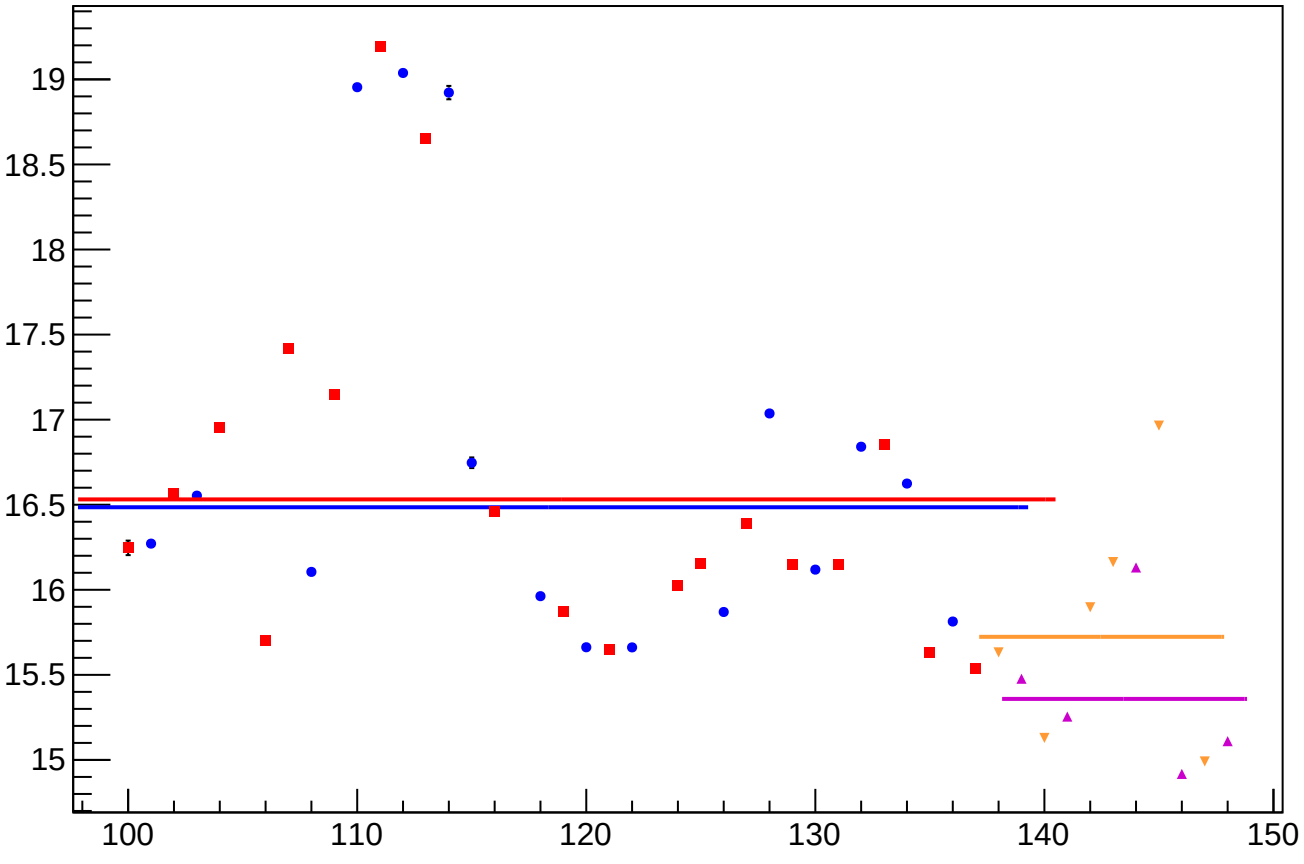
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.353+/-7.356 χ^2/NDF:7.1/4

\+ sign 3.480+/-4.727 χ^2/NDF: 5.7/21

All: 0.969+/-3.322 χ^2/NDF: 28.7/45

\- sign -1.482+/-4.669 χ^2/NDF: 22.5/23



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.724+/-0.005 χ^2/NDF:16579.3/5

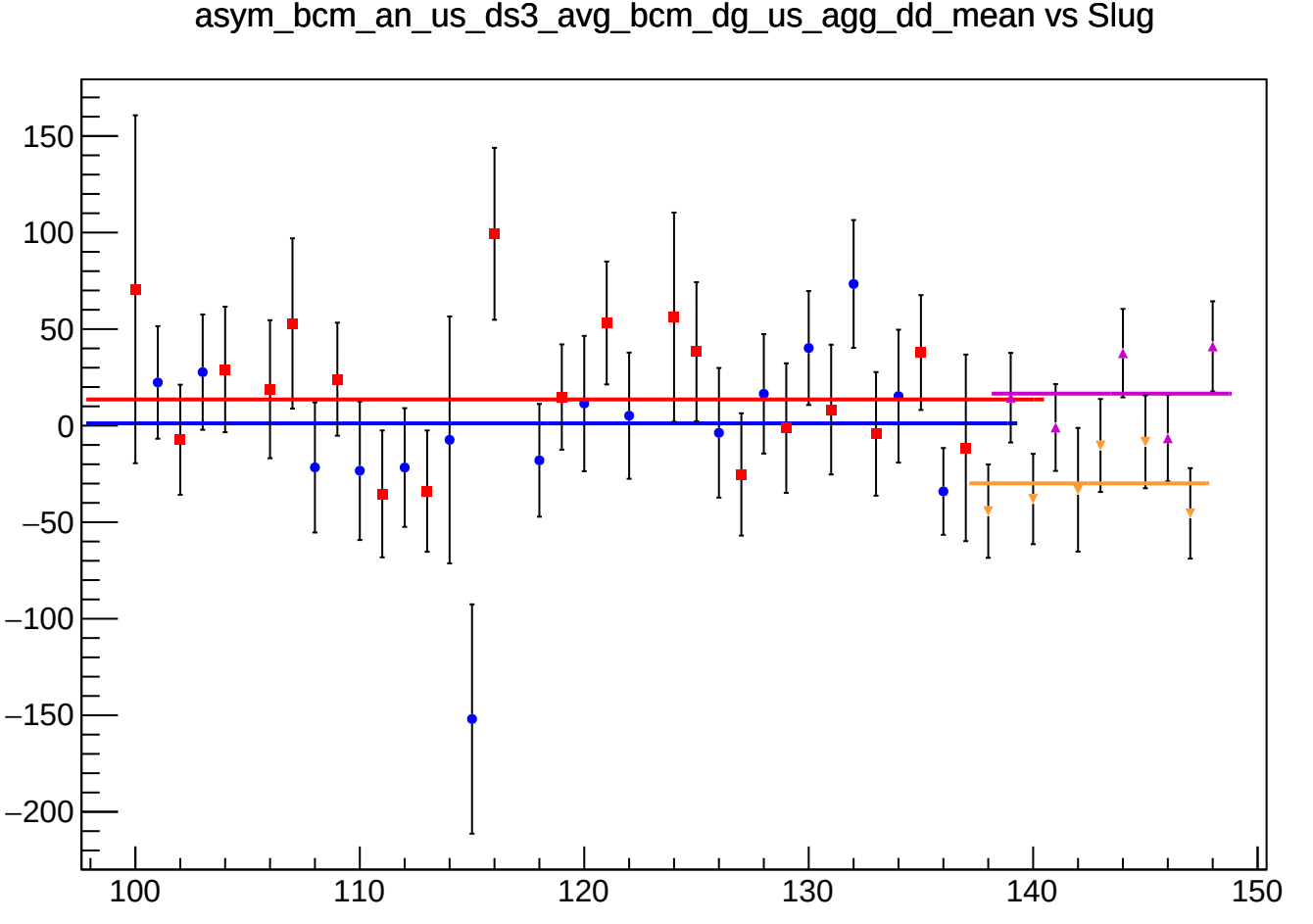
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.359+/-0.005 χ^2/NDF:6318.8/4

\+ sign 16.175+/-0.003 χ^2/NDF: 76295.4/21

All: 16.116+/-0.002 χ^2/NDF: 160050.6/45

\- sign 16.059+/-0.003 χ^2/NDF: 83141.3/23



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -29.889+/-10.102 χ^2/NDF:2.4/5

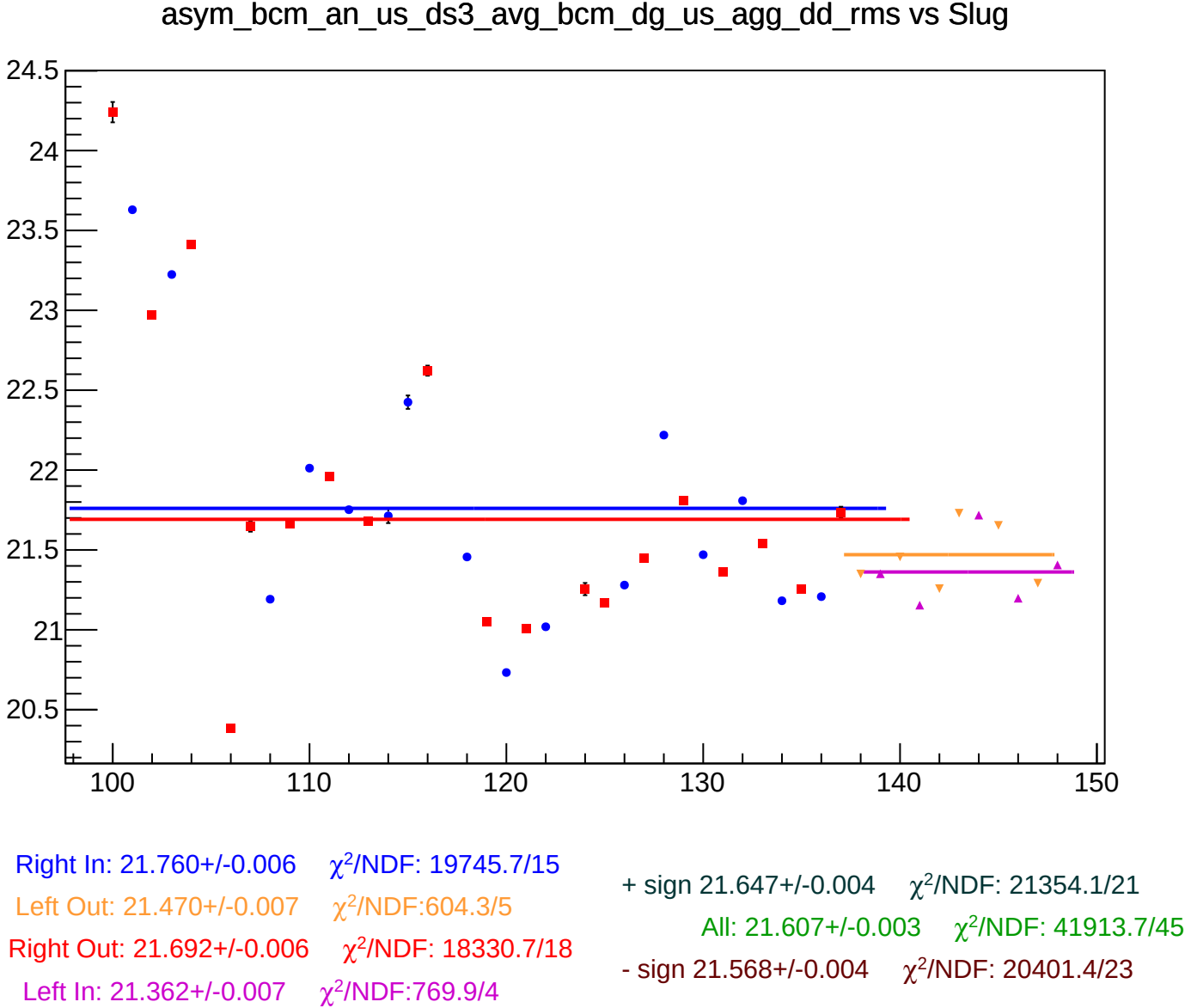
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

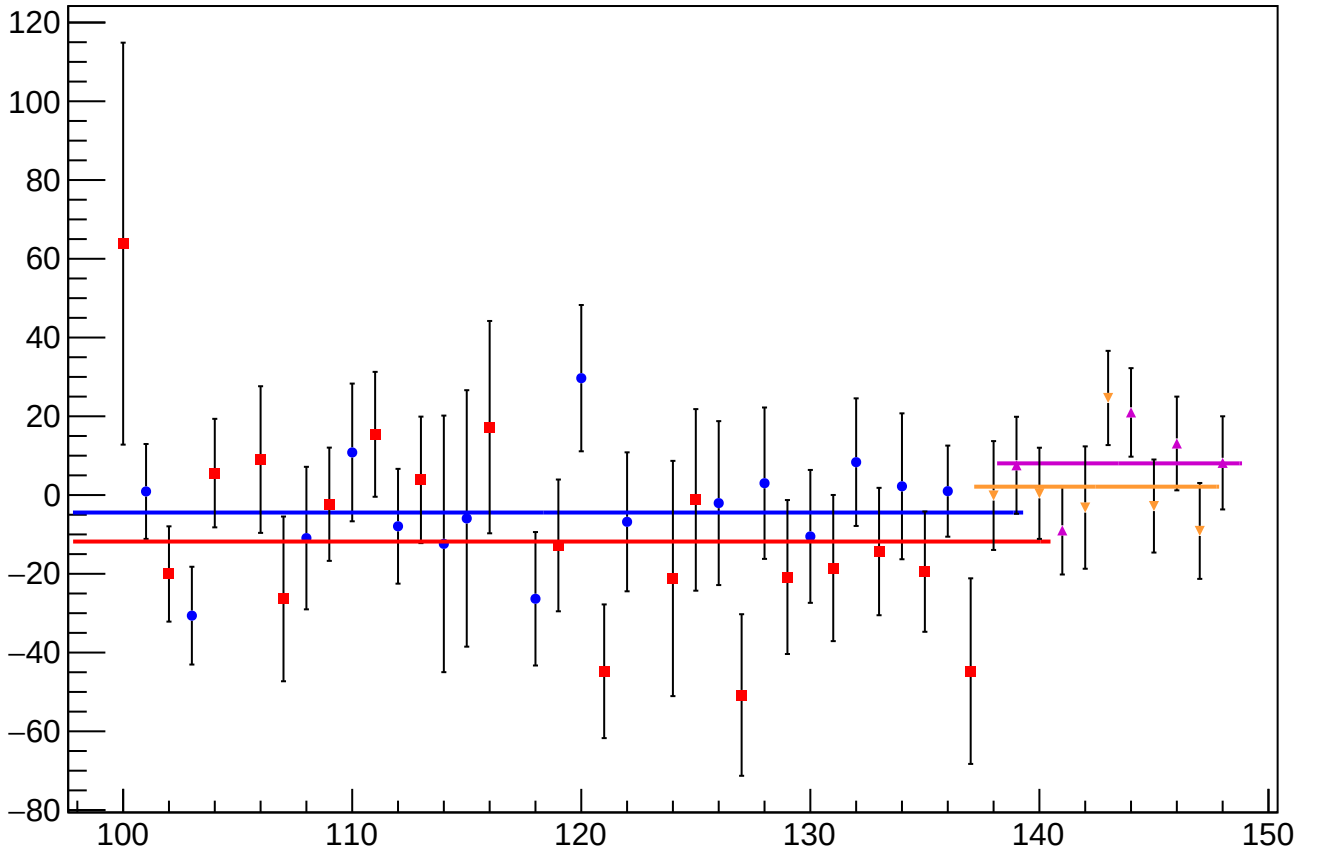
Left In: 16.580+/-10.217 χ^2/NDF:3.6/4

\+ sign -10.952+/-6.314 χ^2/NDF: 27.6/21

All: 1.982+/-4.444 χ^2/NDF: 55.5/45

\- sign 14.686+/-6.257 χ^2/NDF: 19.6/23


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
110
120
130
140
150
Right In: 21.760+/-0.006 χ²/NDF: 19745.7/15
Left Out: 21.470+/-0.007 χ²/NDF:604.3/5
Right Out: 21.692+/-0.006 χ²/NDF: 18330.7/18
Left In: 21.362+/-0.007 χ²/NDF:769.9/4
+ sign 21.647+/-0.004 χ²/NDF: 21354.1/21
All: 21.607+/-0.003 χ²/NDF: 41913.7/45
- sign 21.568+/-0.004 χ²/NDF: 20401.4/23



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.127+/-5.148 χ^2/NDF:4.7/5

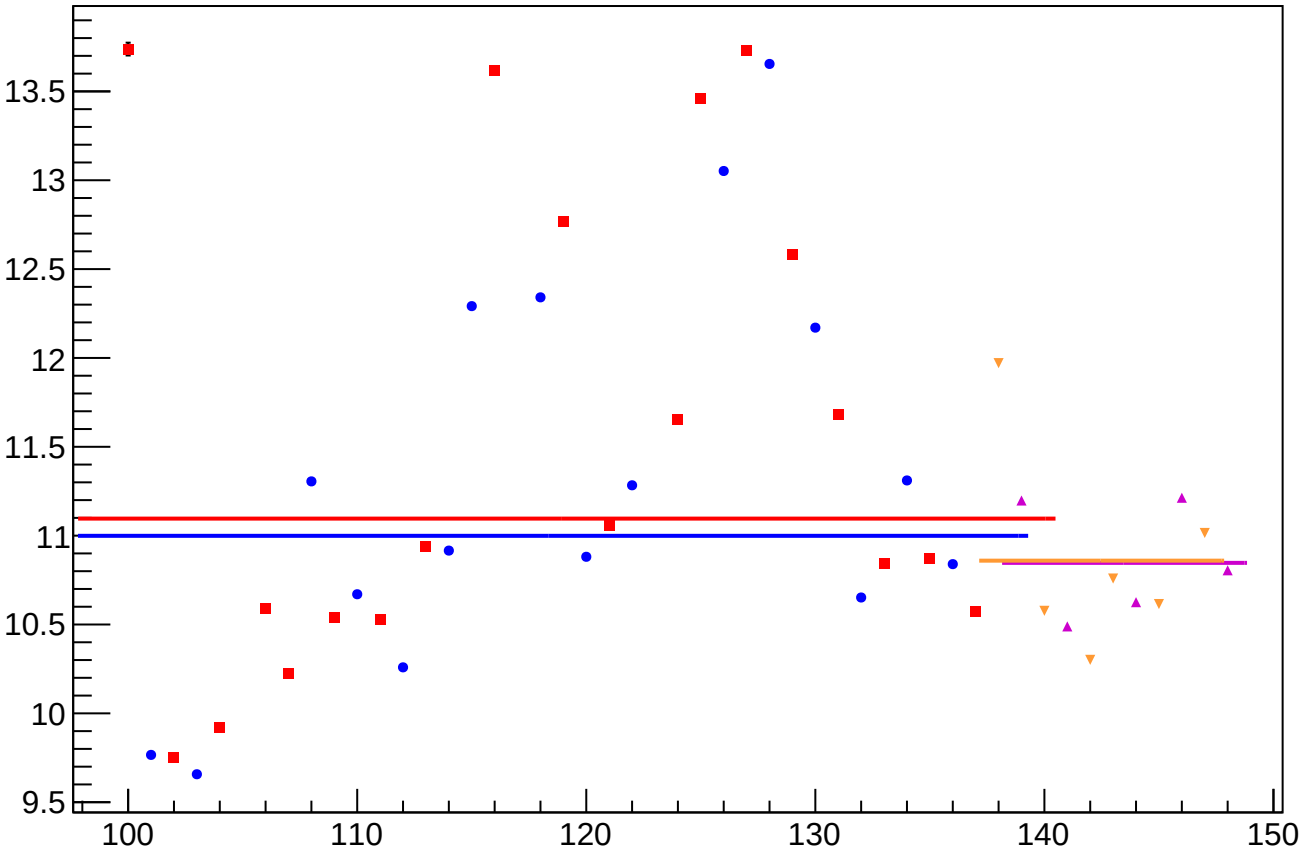
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 8.046+/-5.221 χ^2/NDF:3.8/4

+ sign -1.868+/-3.222 χ^2/NDF: 17.7/21

All: -3.053+/-2.279 χ^2/NDF: 52.5/45

- sign -4.240+/-3.223 χ^2/NDF: 34.5/23



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.859+/-0.004 χ^2/NDF:18027.8/5

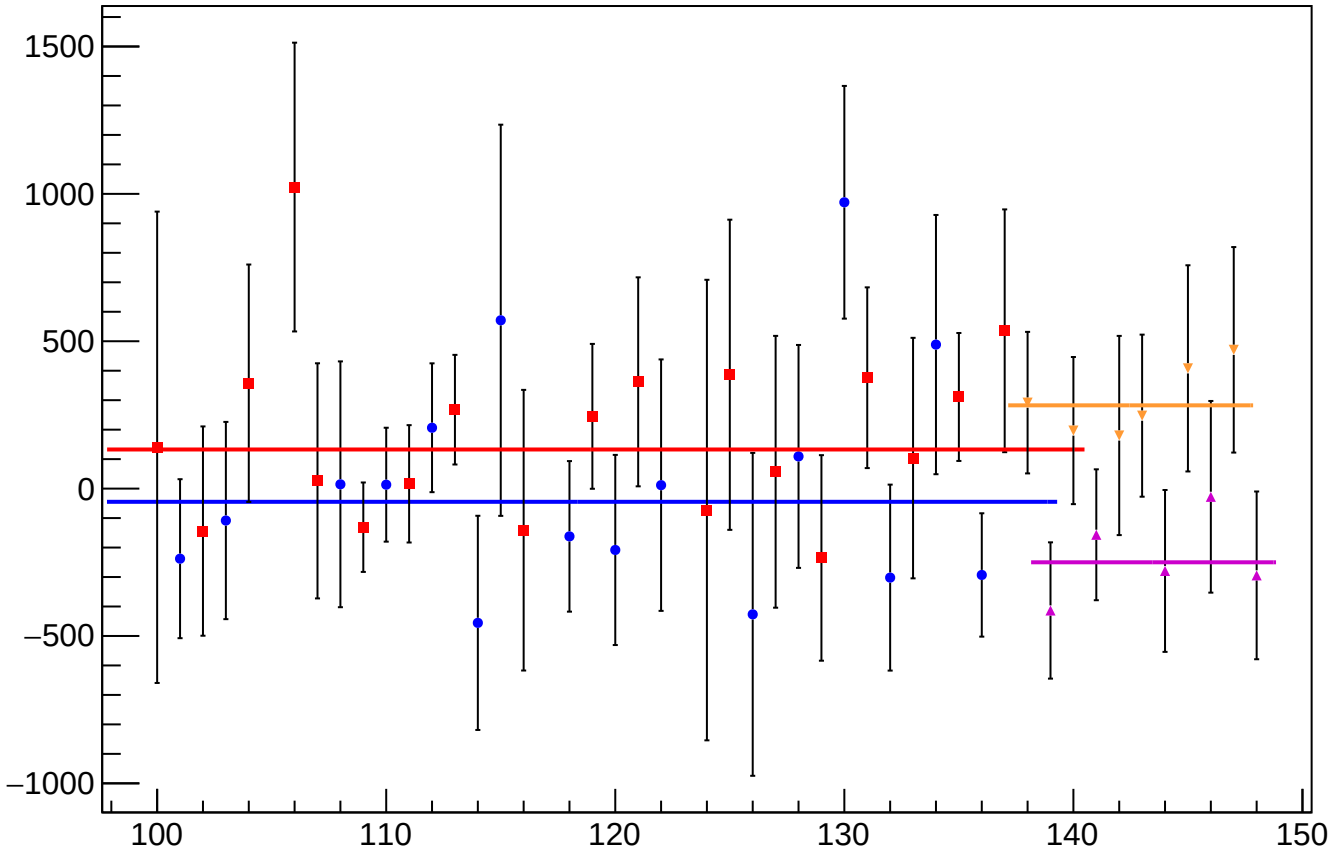
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

+ sign 10.944+/-0.002 χ^2/NDF: 155083.7/21

All: 10.973+/-0.002 χ^2/NDF: 327476.7/45

- sign 11.001+/-0.002 χ^2/NDF: 172083.4/23



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

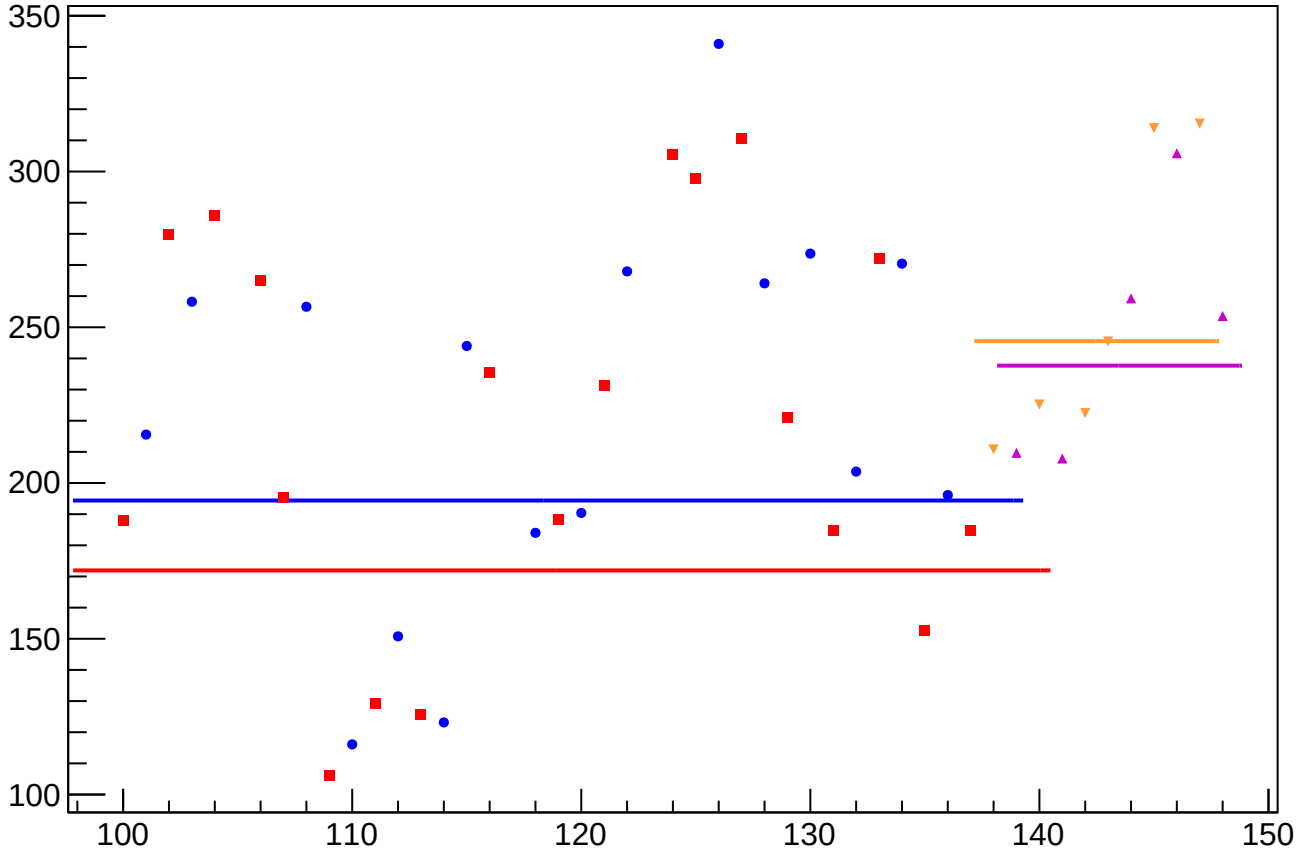
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -250.023+/-116.207 χ^2/NDF:1.2/4

\+ sign 51.888+/-64.151 χ^2/NDF: 21.5/21

All: 42.460+/-43.372 χ^2/NDF: 43.6/45

\- sign 34.523+/-58.863 χ^2/NDF: 22.1/23



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 245.545+/-0.083 χ^2/NDF:221267.1/5

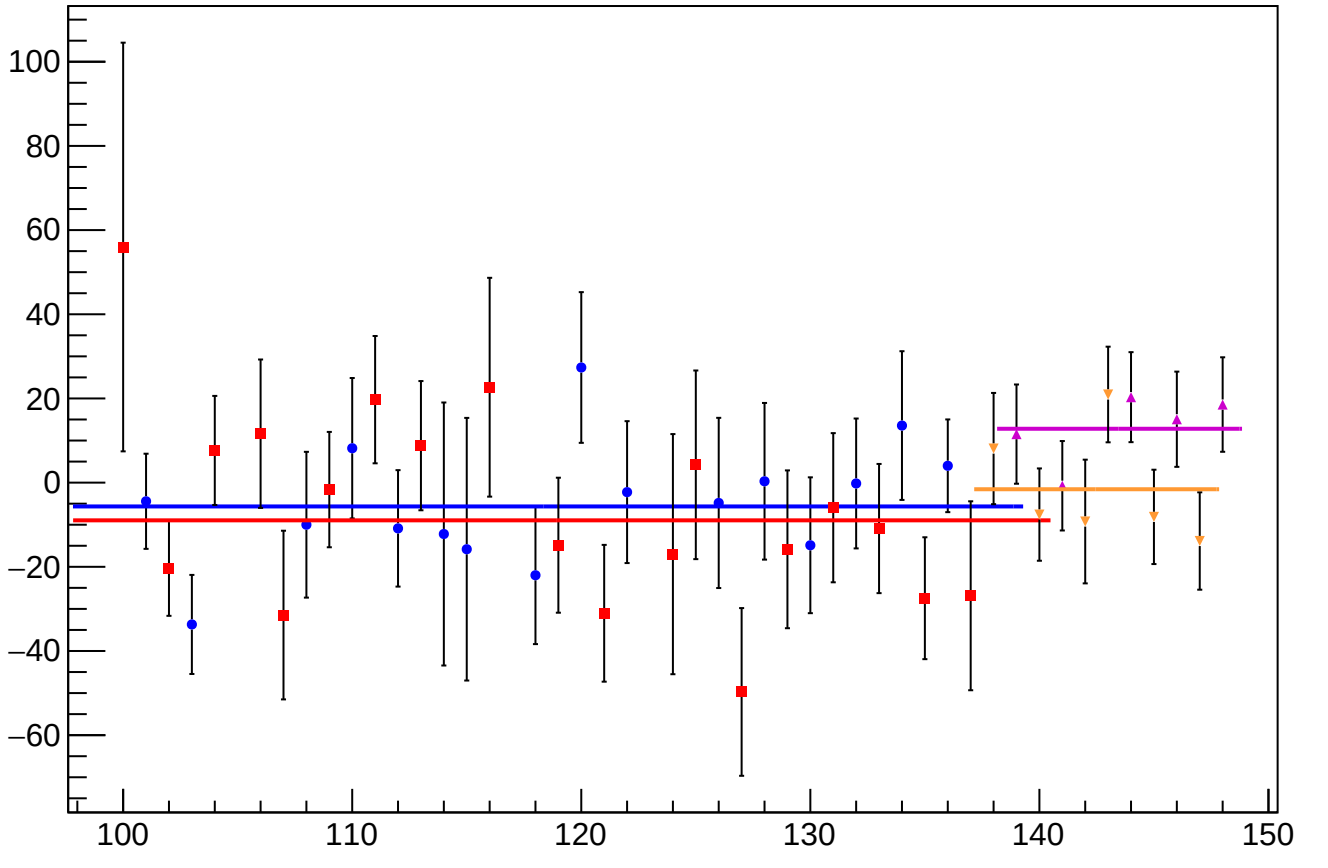
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

+ sign 209.497+/-0.045 χ^2/NDF: 1528037.1/21

All: 198.270+/-0.031 χ^2/NDF: 3940052.0/45

- sign 188.817+/-0.042 χ^2/NDF: 2299170.7/23



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

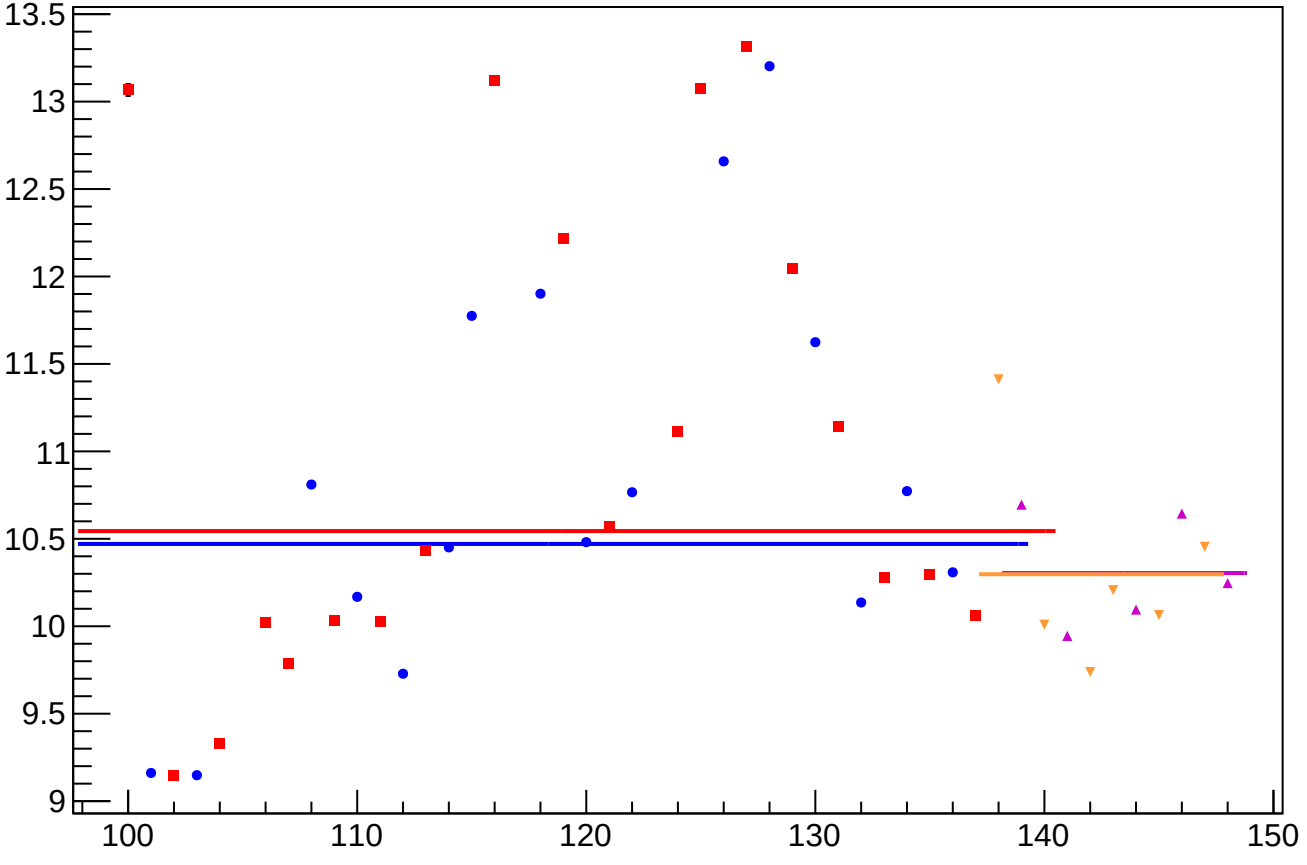
Left In: 12.798+/-4.966 χ^2/NDF:2.4/4

+ sign -4.049+/-3.067 χ^2/NDF: 20.6/21

All: -2.353+/-2.169 χ^2/NDF: 58.3/45

- sign -0.657+/-3.068 χ^2/NDF: 37.1/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.297+/-0.003 χ^2/NDF:19866.2/5

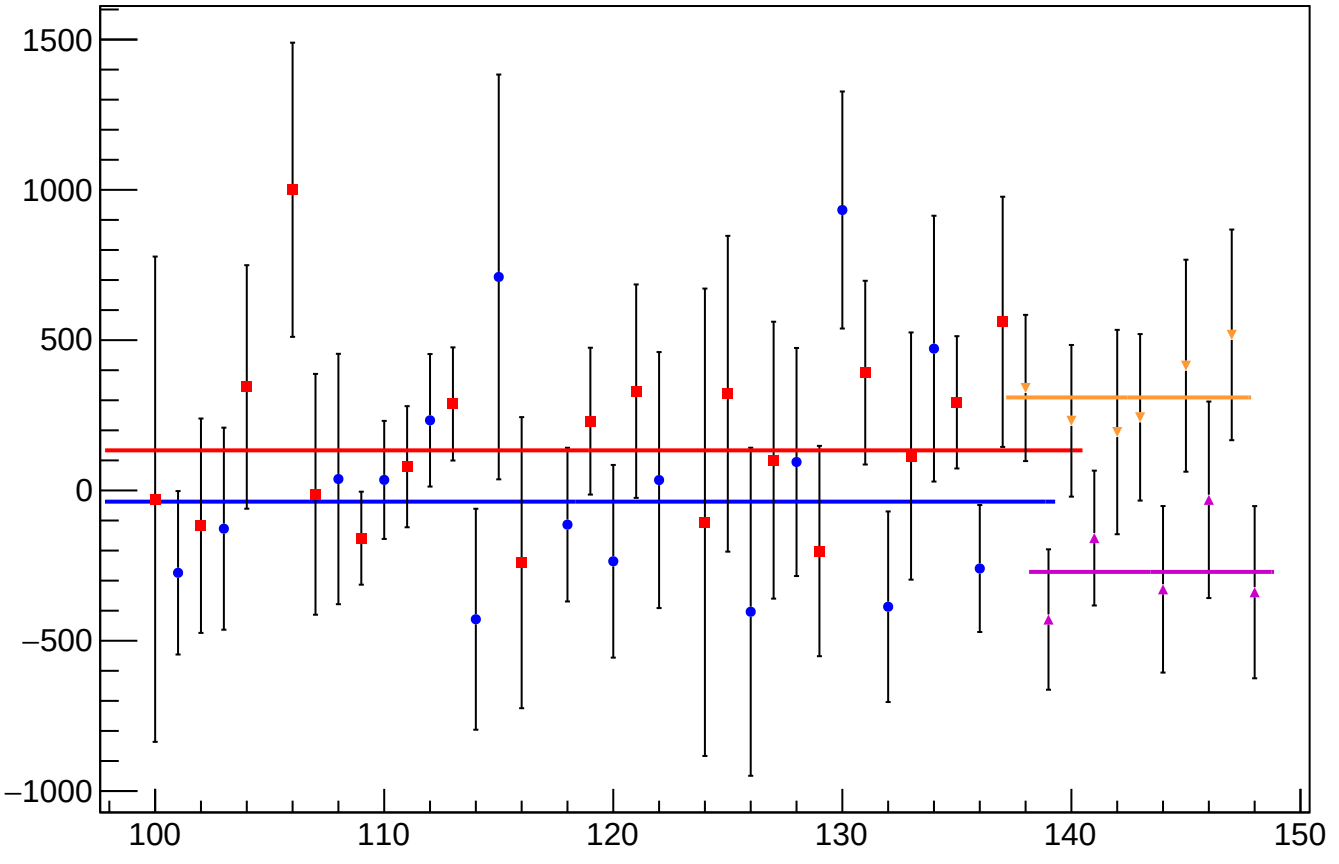
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

+ sign 10.402+/-0.002 χ^2/NDF: 178754.2/21

All: 10.428+/-0.002 χ^2/NDF: 375807.4/45

- sign 10.453+/-0.002 χ^2/NDF: 196783.8/23



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 309.372+/-119.104 χ^2/NDF:0.7/5

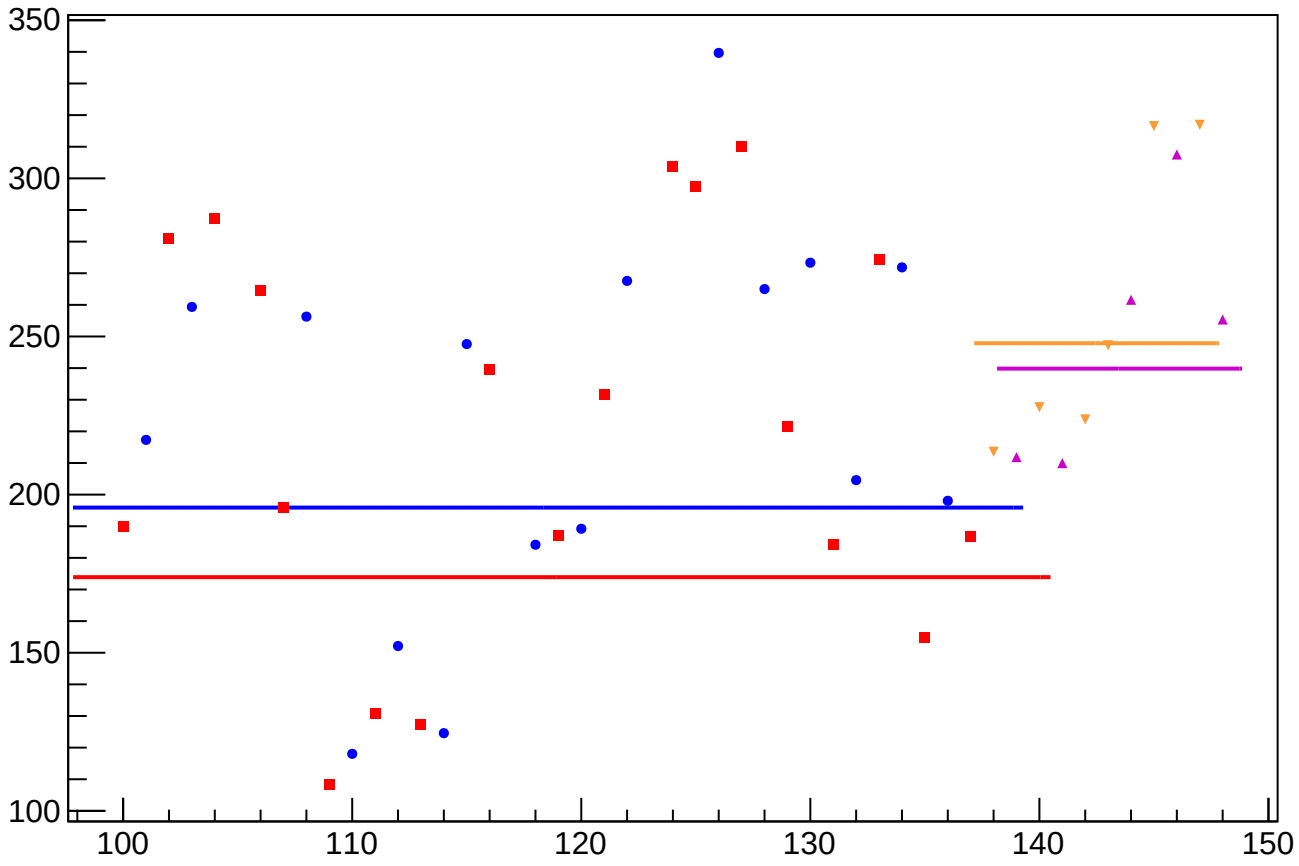
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -270.929+/-117.209 χ^2/NDF:1.3/4

\+ sign 64.767+/-64.613 χ^2/NDF: 22.4/21

All: 45.696+/-43.724 χ^2/NDF: 45.6/45

\- sign 29.585+/-59.388 χ^2/NDF: 23.1/23



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 247.868+/-0.084 χ^2/NDF:216242.5/5

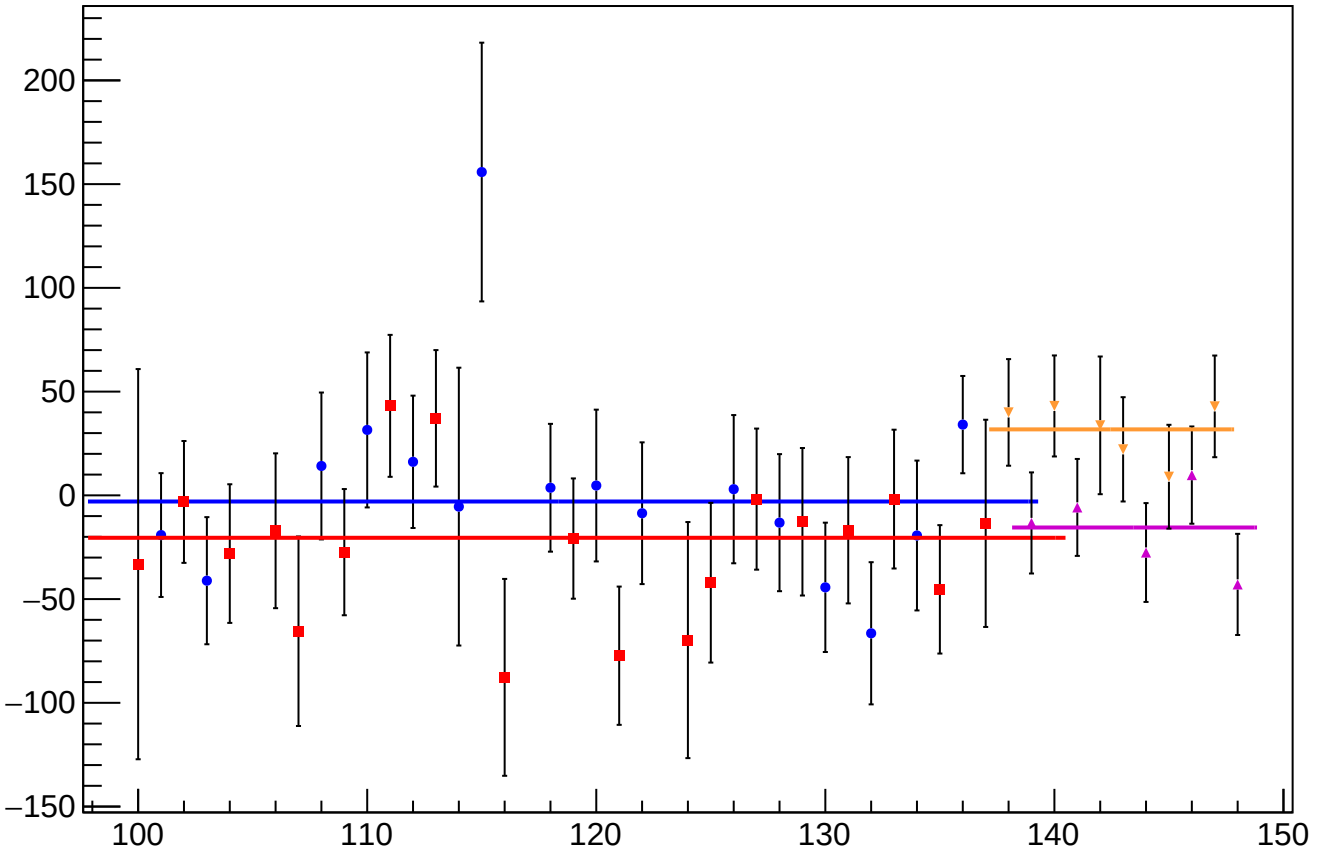
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

+ sign 211.194+/-0.046 χ^2/NDF: 1495958.4/21

All: 200.155+/-0.031 χ^2/NDF: 3841939.4/45

- sign 190.830+/-0.042 χ^2/NDF: 2238294.3/23



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

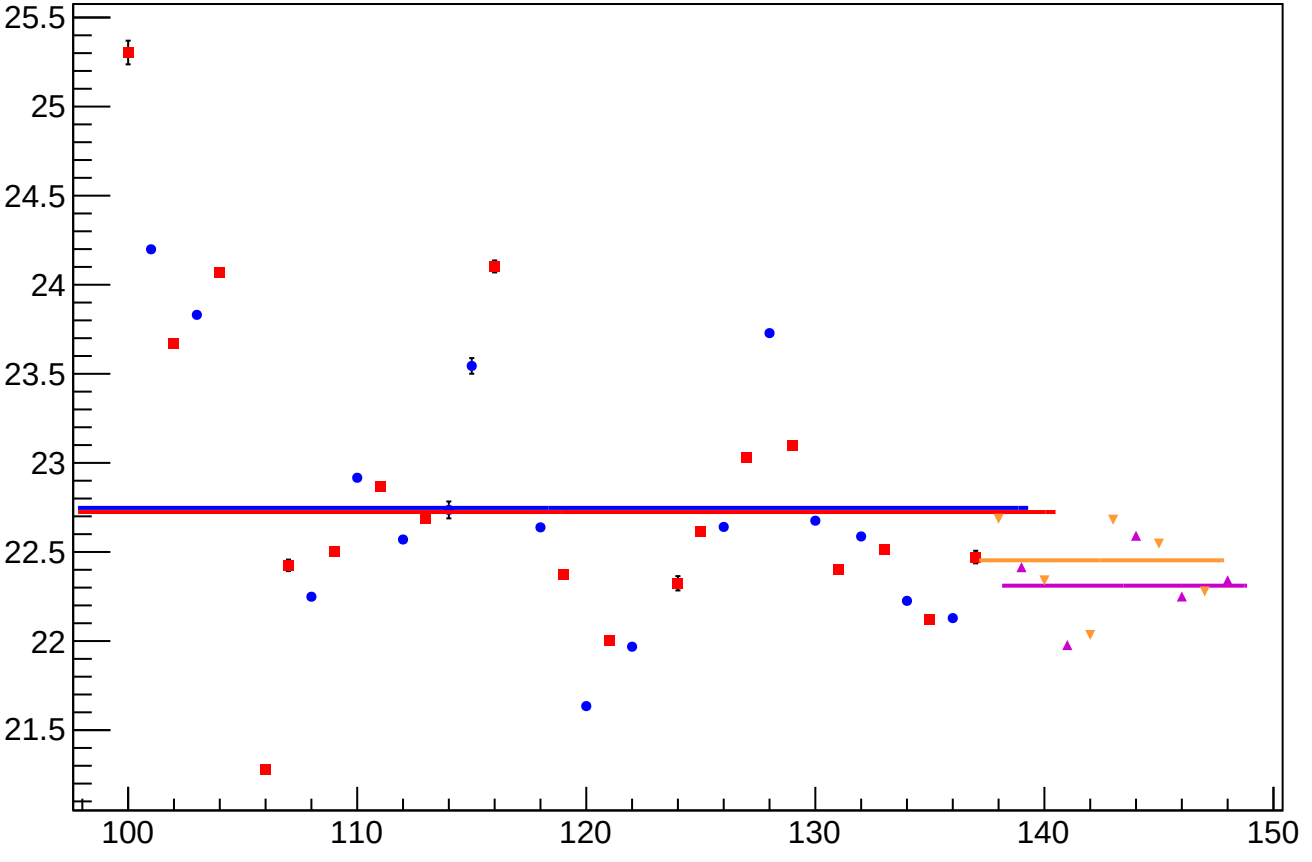
Left In: -15.499+/-10.671 χ^2/NDF:2.9/4

+ sign 10.600+/-6.601 χ^2/NDF: 26.0/21

All: -4.115+/-4.649 χ^2/NDF: 54.2/45

- sign -18.590+/-6.548 χ^2/NDF: 18.3/23

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

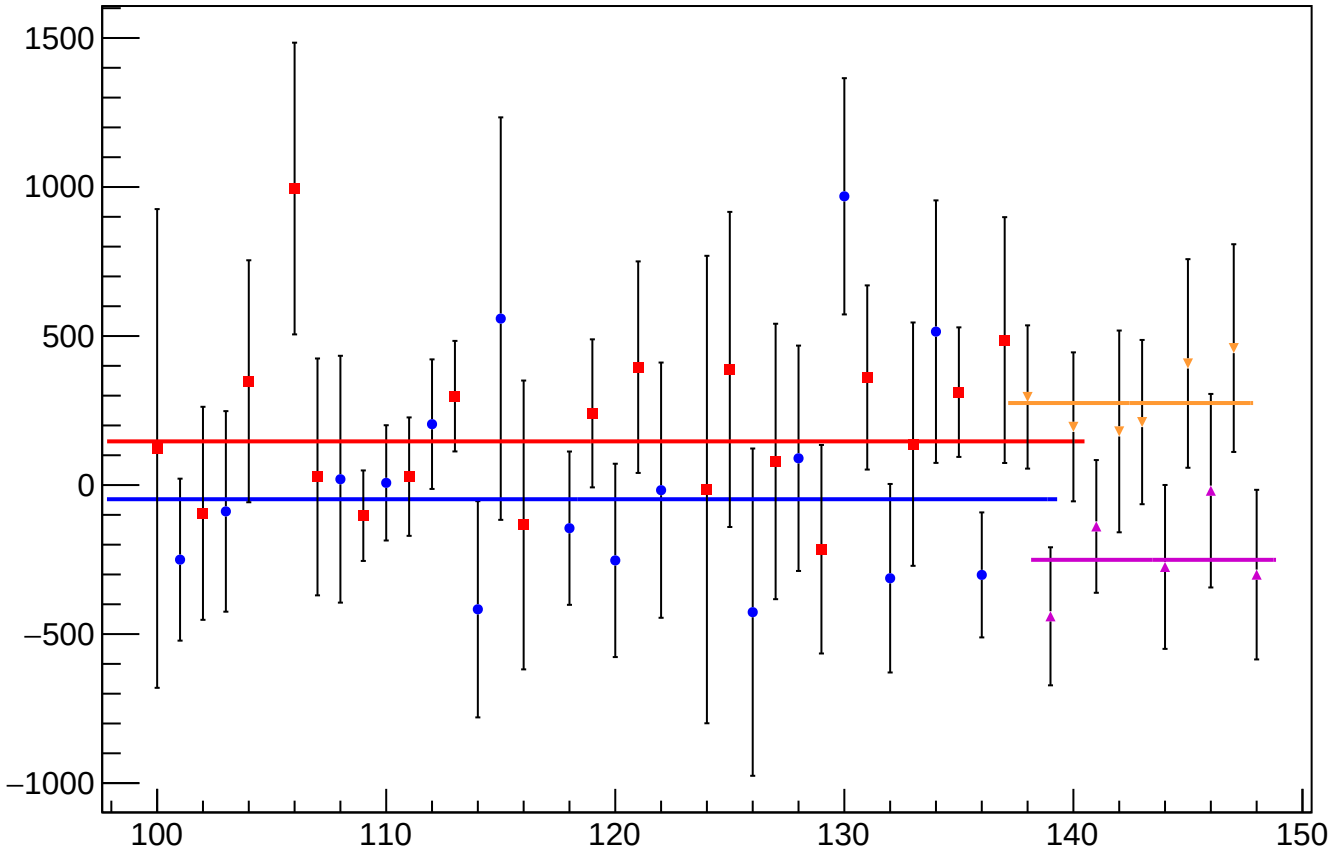
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

+ sign 22.633+/-0.005 χ^2/NDF: 16388.9/21

All: 22.600+/-0.003 χ^2/NDF: 33582.9/45

- sign 22.569+/-0.005 χ^2/NDF: 17099.1/23



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 275.231+/-118.165 χ^2/NDF:0.7/5

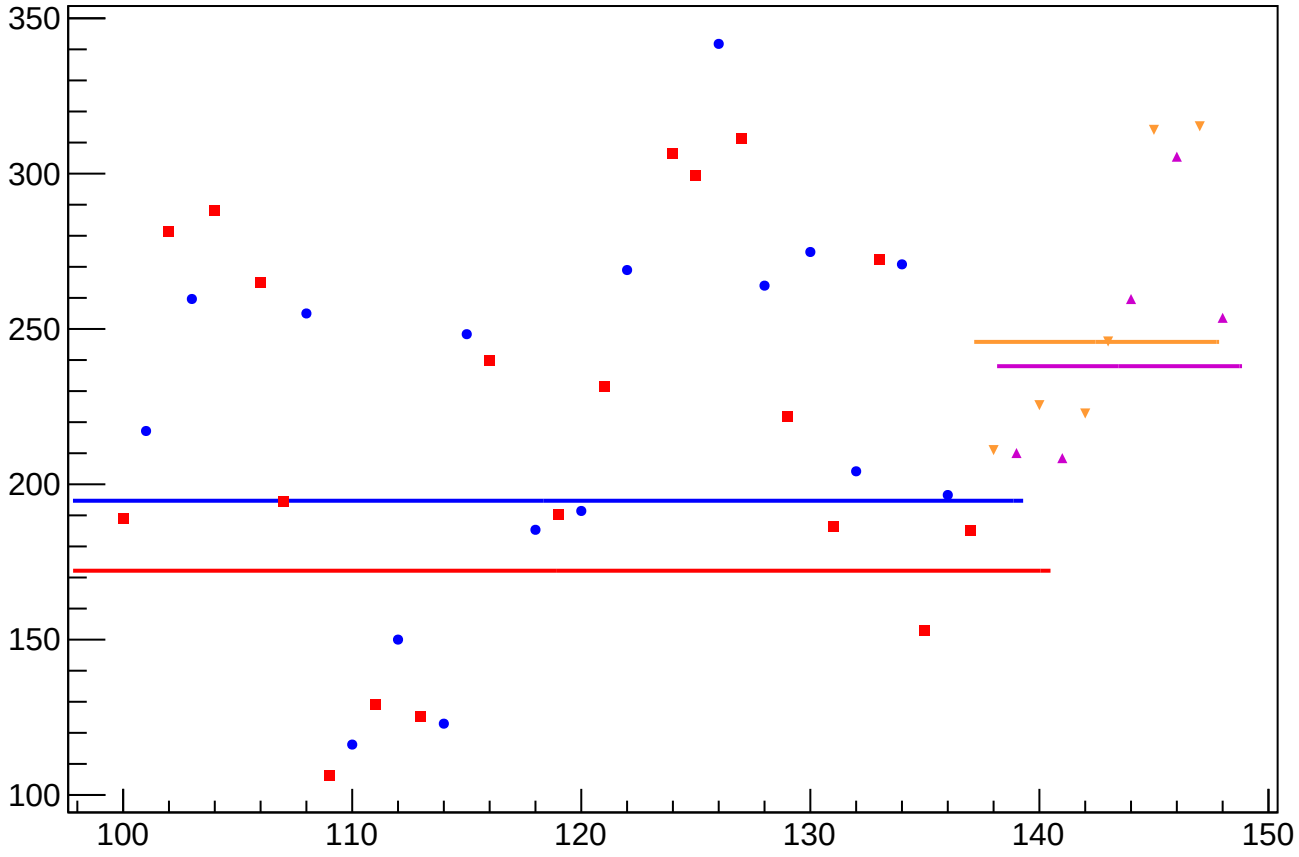
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -250.863+/-116.343 χ^2/NDF:1.5/4

\+ sign 47.925+/-64.259 χ^2/NDF: 21.3/21

All: 46.061+/-43.445 χ^2/NDF: 43.0/45

\- sign 44.492+/-58.963 χ^2/NDF: 21.7/23



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 245.842+/-0.084 χ^2/NDF:219936.9/5

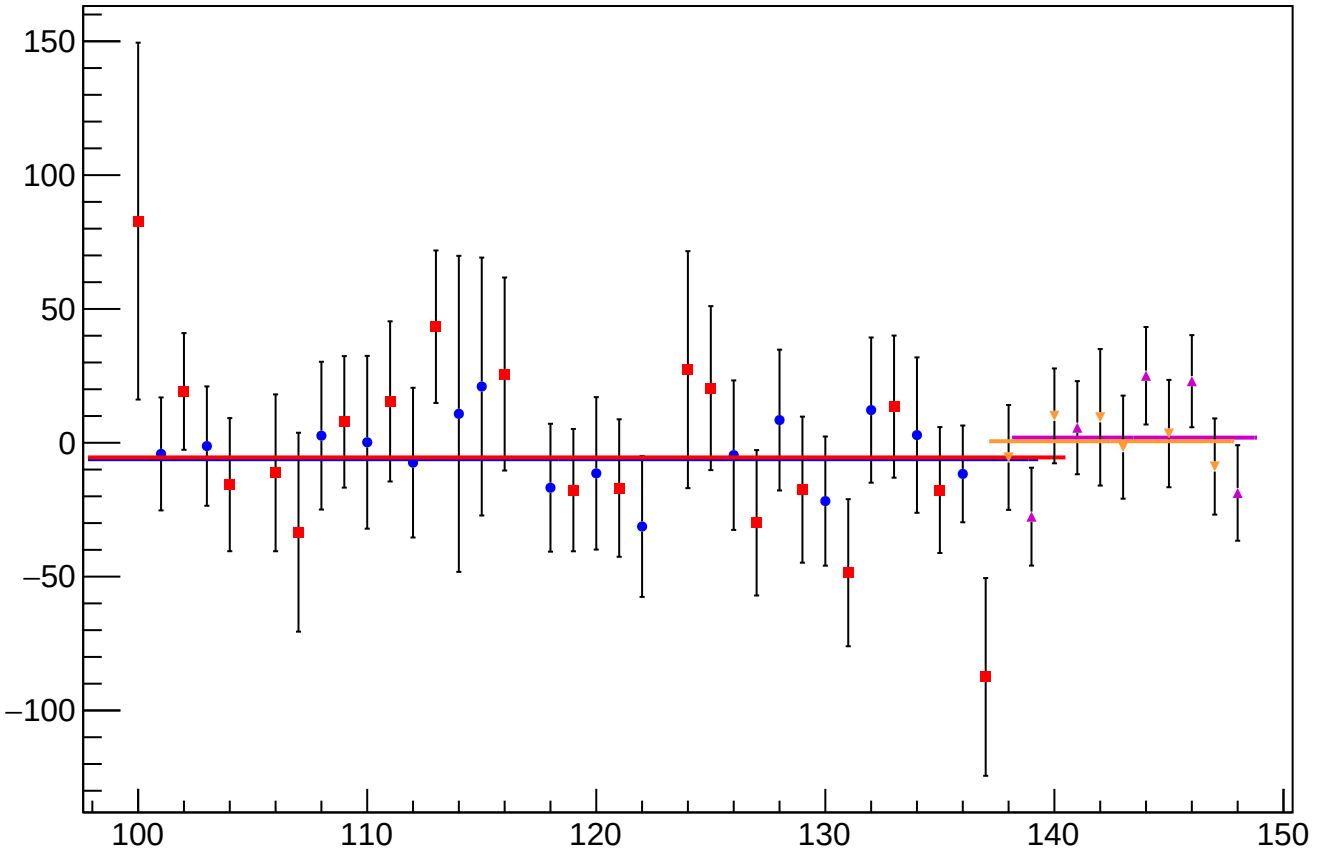
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

+ sign 209.830+/-0.045 χ^2/NDF: 1535987.8/21

All: 198.573+/-0.031 χ^2/NDF: 3965120.9/45

- sign 189.096+/-0.042 χ^2/NDF: 2316090.4/23



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

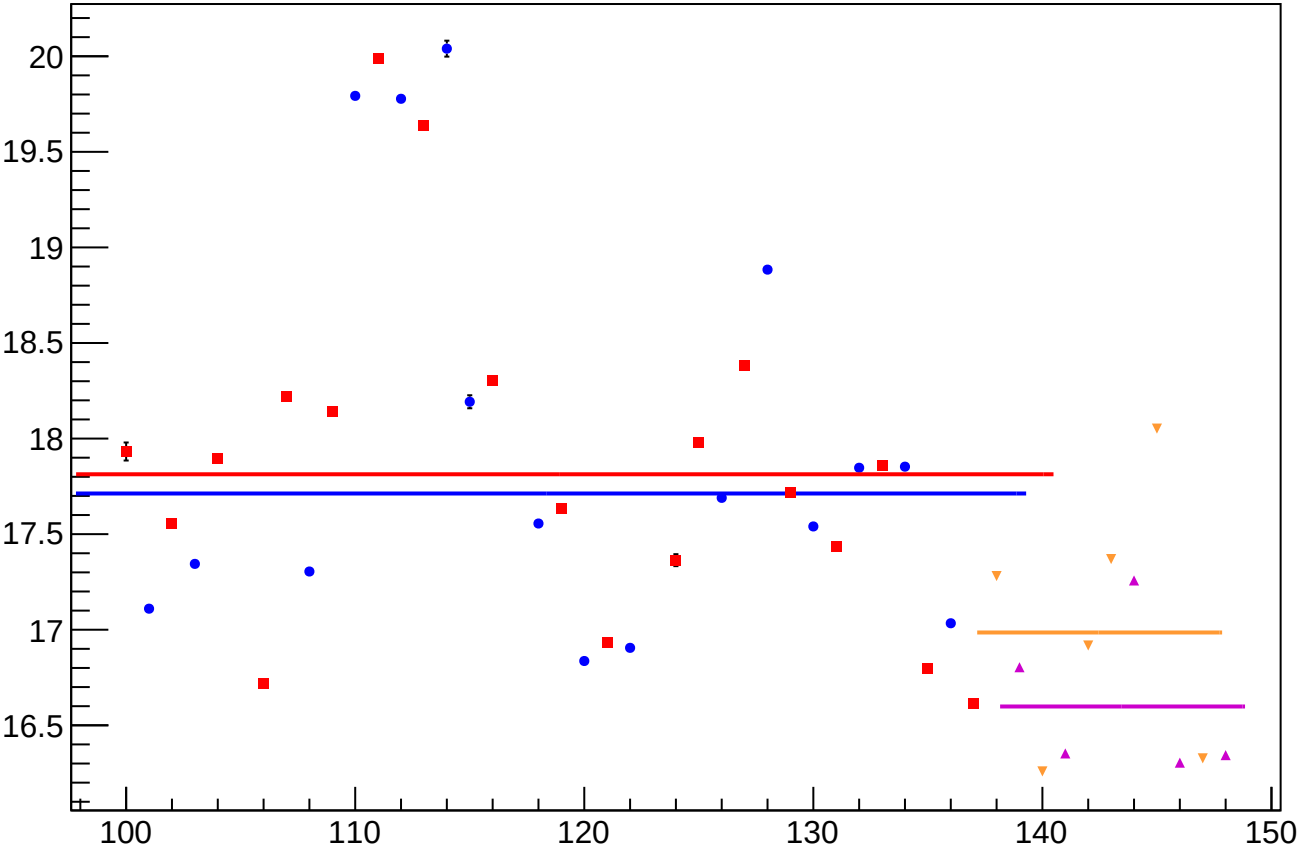
Left In: 1.928+/-7.949 χ^2/NDF:7.1/4

\+ sign -3.408+/-5.089 χ^2/NDF: 4.4/21

All: -2.950+/-3.579 χ^2/NDF: 31.2/45

\- sign -2.501+/-5.036 χ^2/NDF: 26.8/23

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

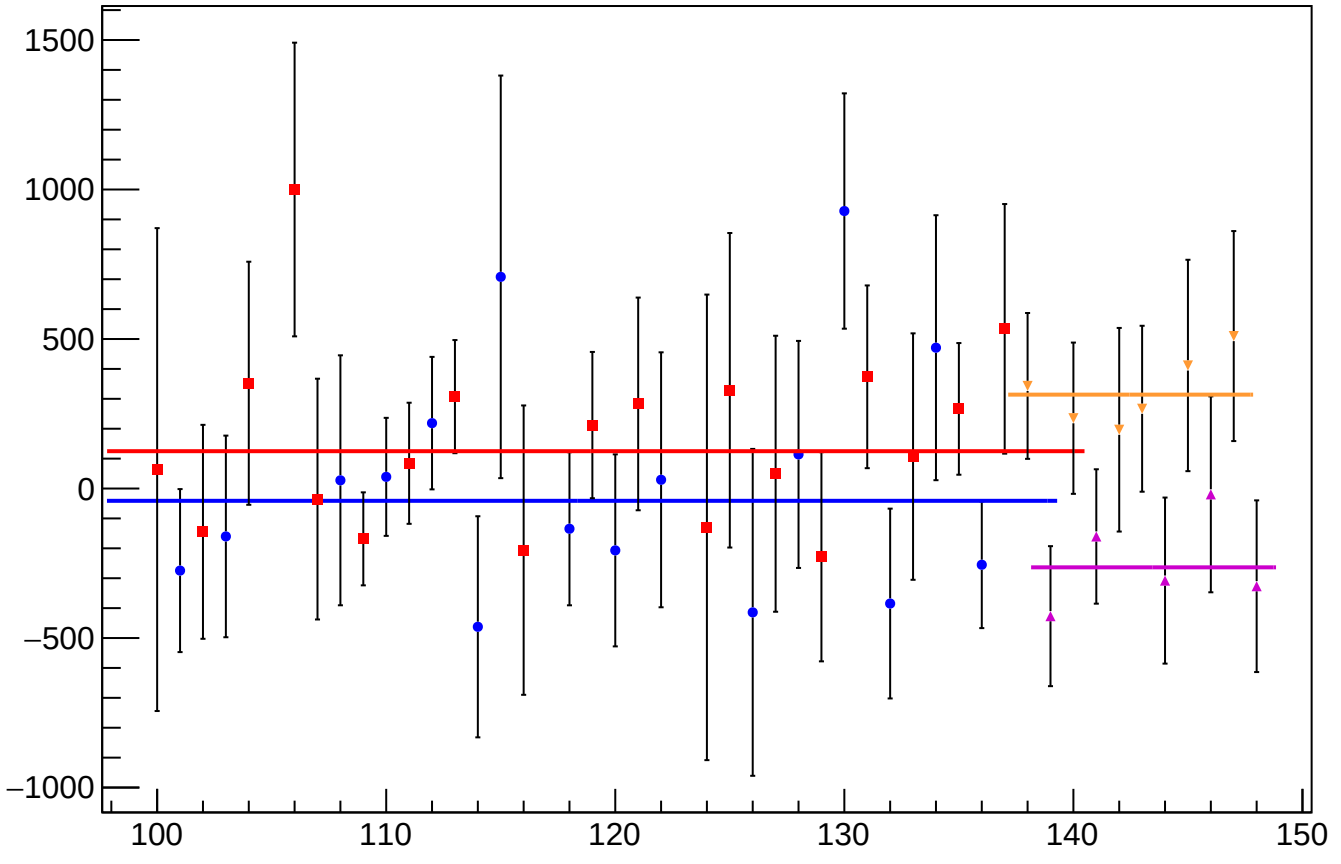
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

\+ sign 17.419+/-0.004 χ^2/NDF: 58791.0/21

All: 17.372+/-0.003 χ^2/NDF: 124067.9/45

\- sign 17.326+/-0.004 χ^2/NDF: 64938.8/23



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 314.004+/-119.379 χ^2/NDF:0.6/5

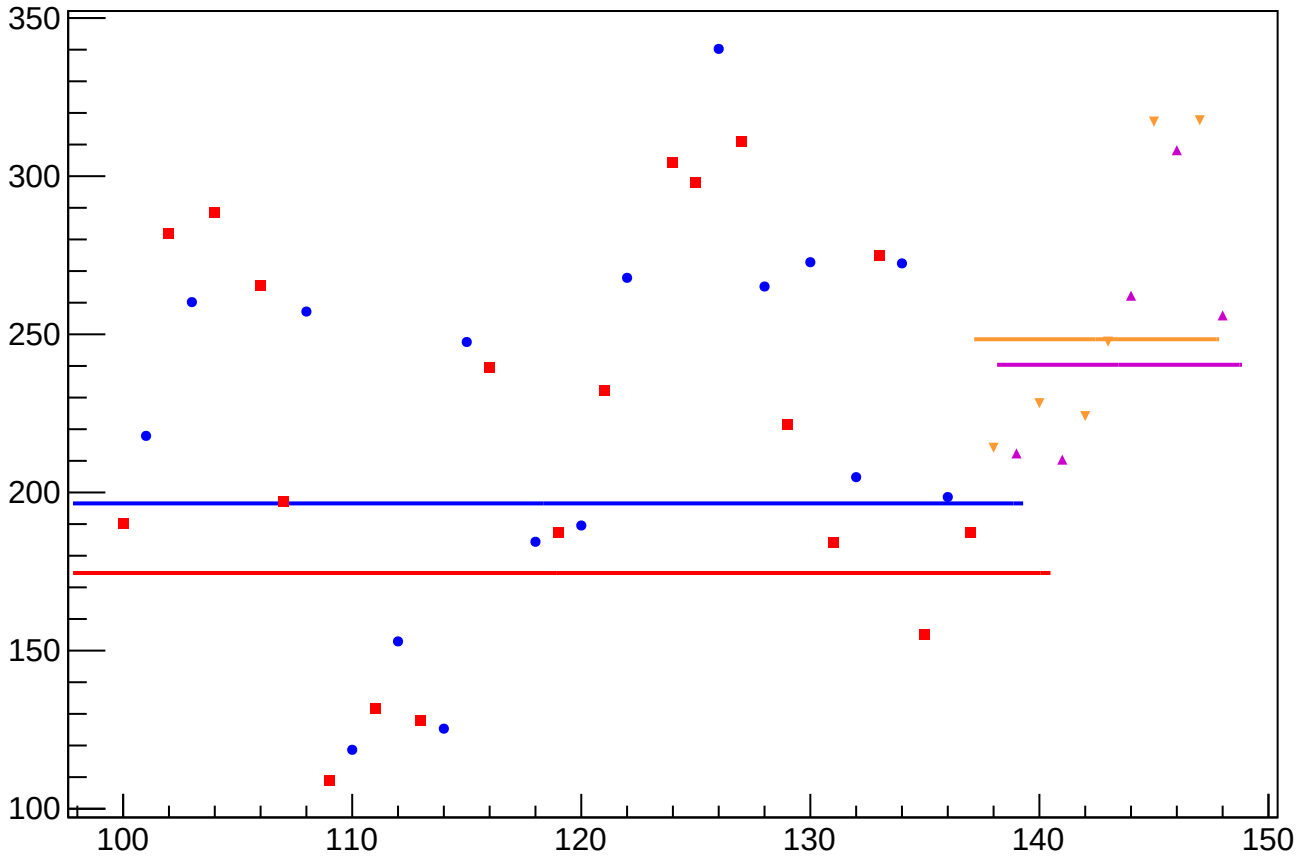
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -263.580+/-117.468 χ^2/NDF:1.3/4

+ sign 63.485+/-64.790 χ^2/NDF: 22.5/21

All: 42.624+/-43.850 χ^2/NDF: 45.0/45

- sign 24.993+/-59.565 χ^2/NDF: 22.3/23



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 248.443+/-0.084 χ^2/NDF:216102.8/5

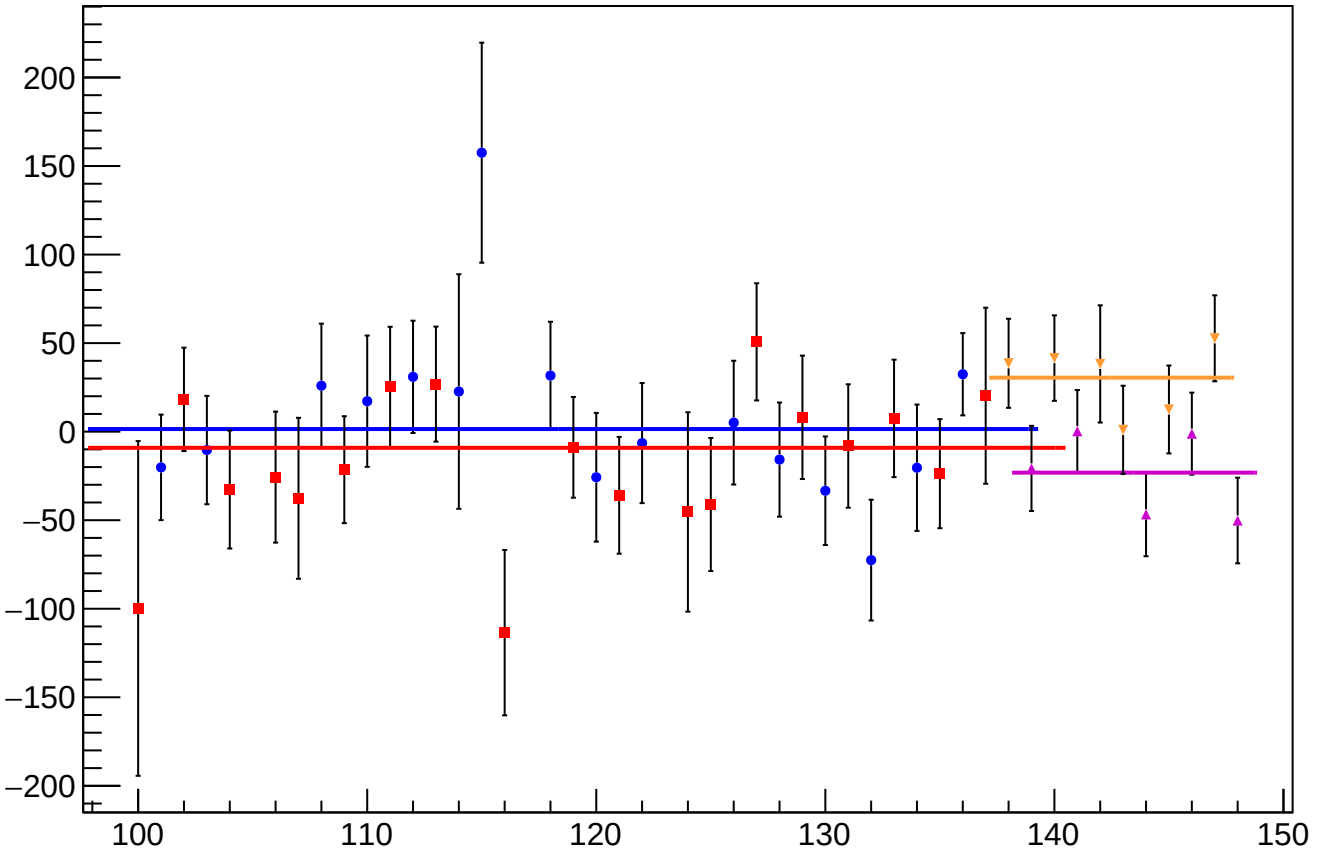
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

+ sign 211.829+/-0.046 χ^2/NDF: 1483550.2/21

All: 200.794+/-0.031 χ^2/NDF: 3814306.5/45

- sign 191.466+/-0.042 χ^2/NDF: 2223690.4/23



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

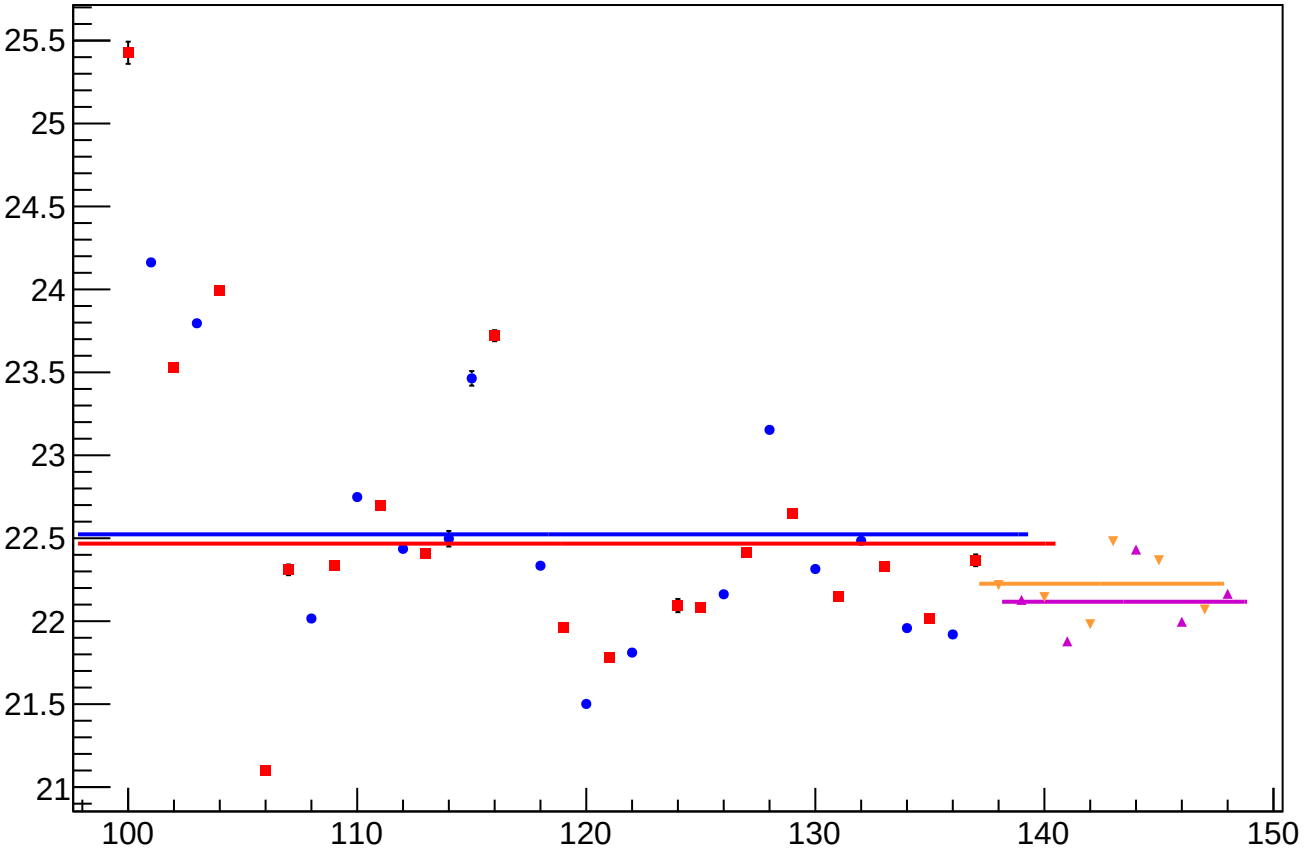
Left In: -23.144+/-10.578 χ^2/NDF:4.2/4

+ sign 12.802+/-6.535 χ^2/NDF: 26.5/21

All: -0.904+/-4.601 χ^2/NDF: 56.9/45

- sign -14.378+/-6.479 χ^2/NDF: 21.7/23

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

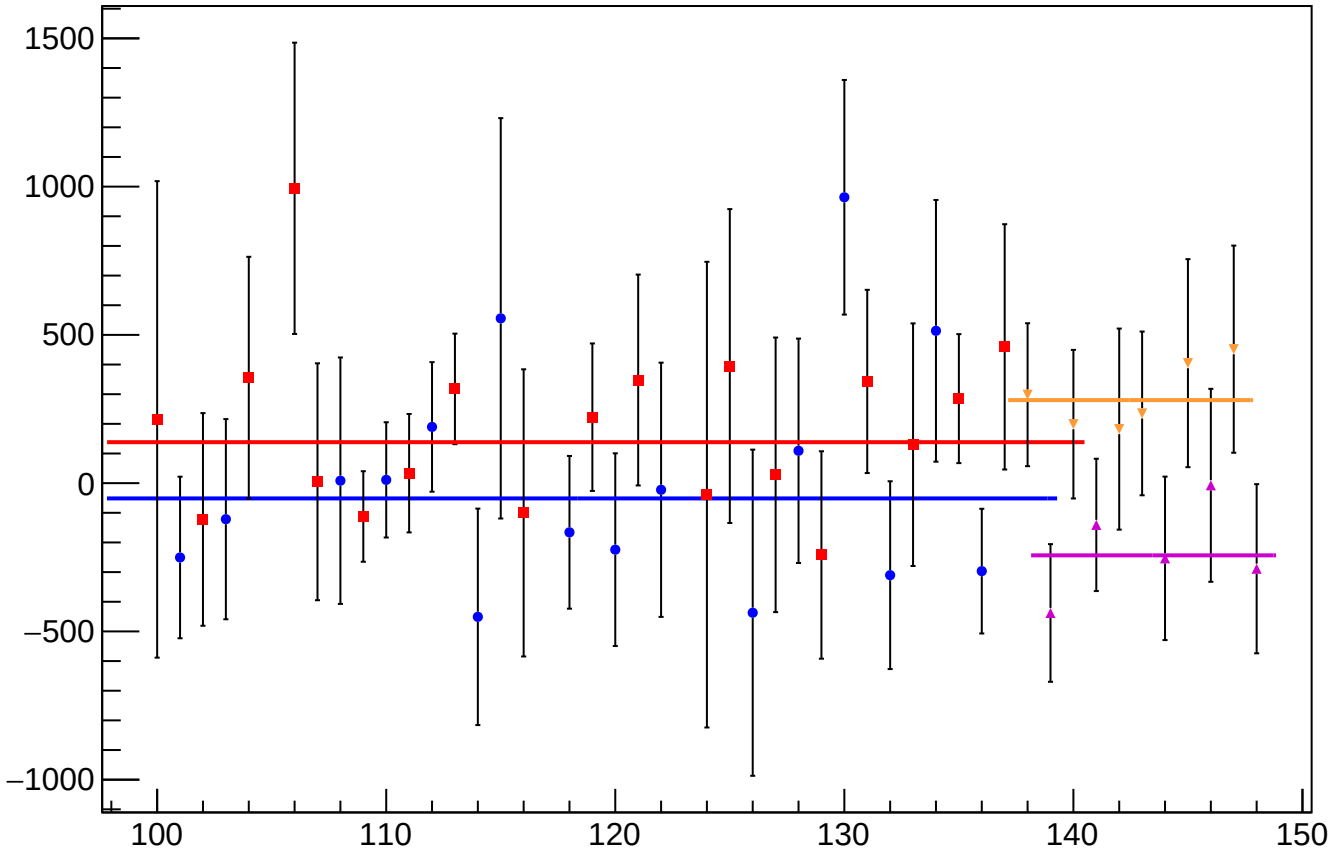
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

+ sign 22.407+/-0.005 χ^2/NDF: 17425.4/21

All: 22.371+/-0.003 χ^2/NDF: 35168.8/45

- sign 22.336+/-0.005 χ^2/NDF: 17623.6/23



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 280.061+/-118.441 χ^2/NDF:0.6/5

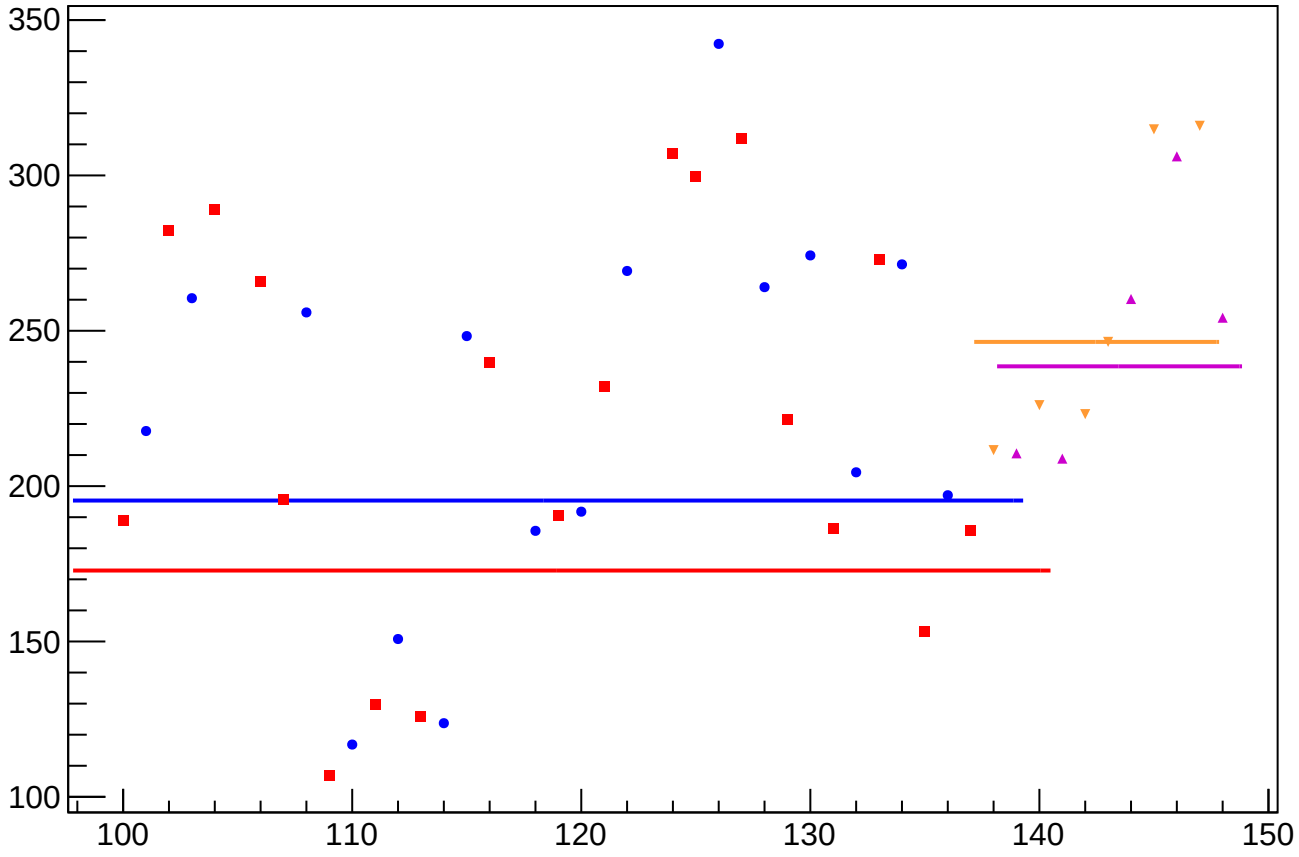
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -243.494+/-116.604 χ^2/NDF:1.5/4

\+ sign 46.644+/-64.438 χ^2/NDF: 21.4/21

All: 43.035+/-43.572 χ^2/NDF: 42.5/45

\- sign 39.994+/-59.142 χ^2/NDF: 21.0/23



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 246.419+/-0.084 χ^2/NDF:219771.8/5

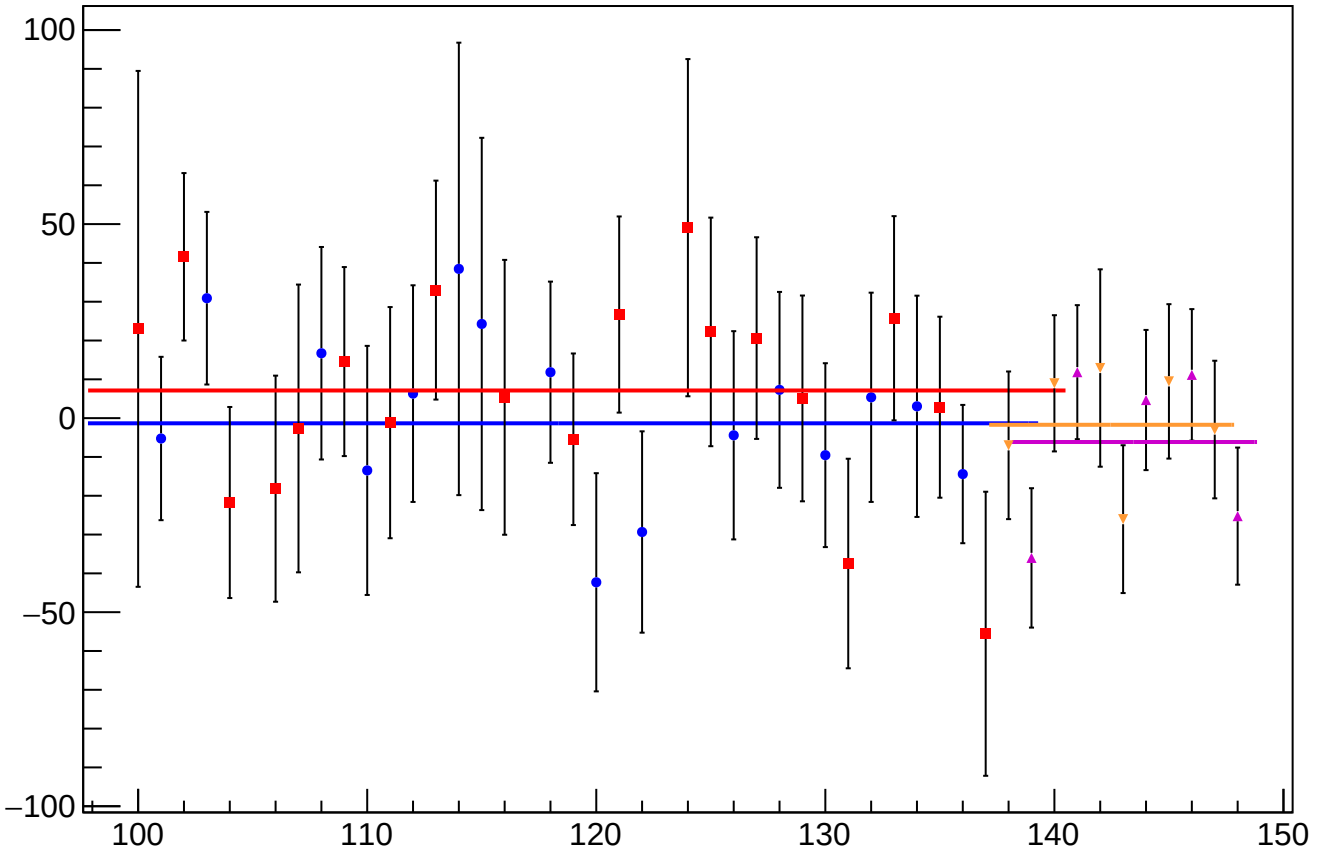
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

+ sign 210.473+/-0.046 χ^2/NDF: 1522860.2/21

All: 199.222+/-0.031 χ^2/NDF: 3935708.1/45

- sign 189.744+/-0.042 χ^2/NDF: 2300500.9/23



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

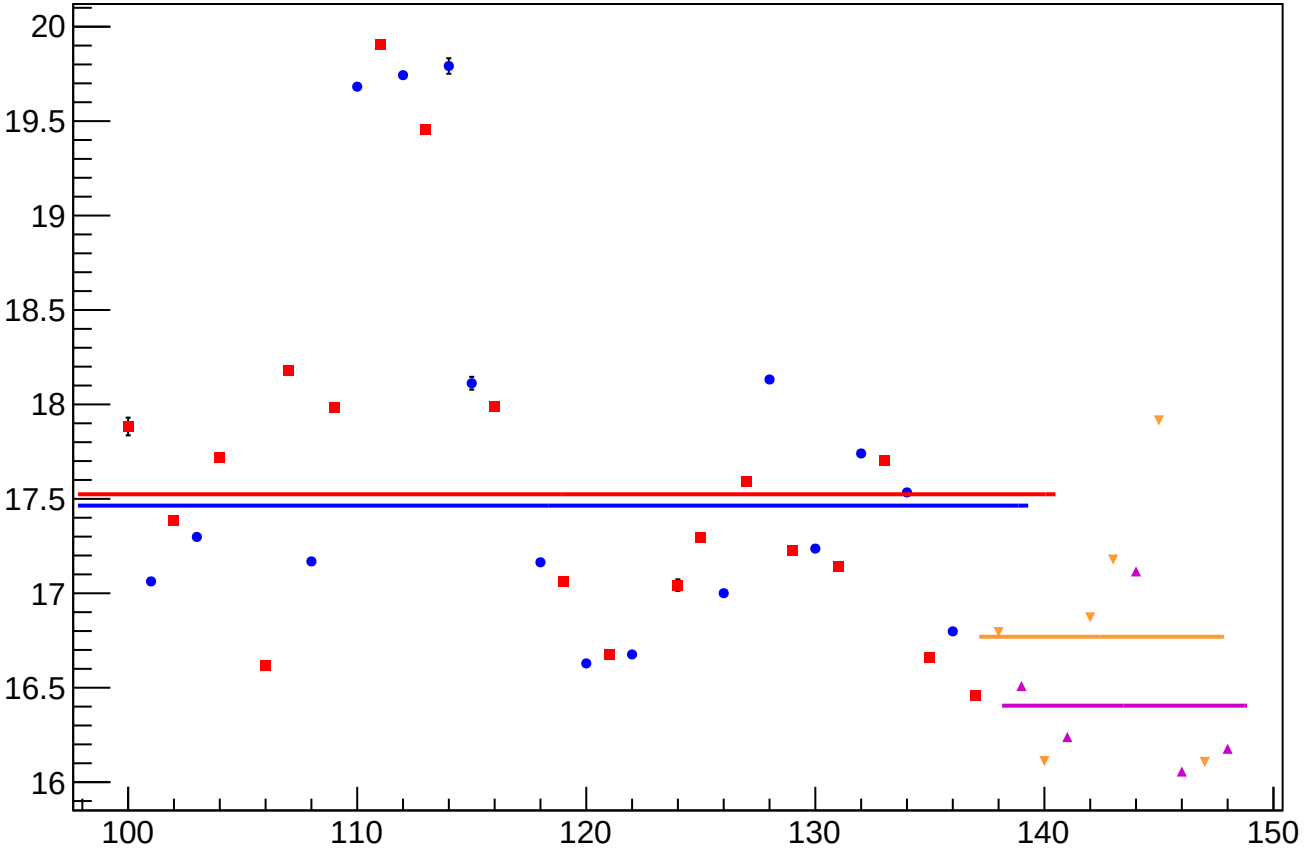
Left In: -6.150+/-7.855 χ^2/NDF:6.4/4

+ sign -1.485+/-5.019 χ^2/NDF: 10.8/21

All: 0.190+/-3.529 χ^2/NDF: 33.5/45

- sign 1.827+/-4.962 χ^2/NDF: 22.5/23

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

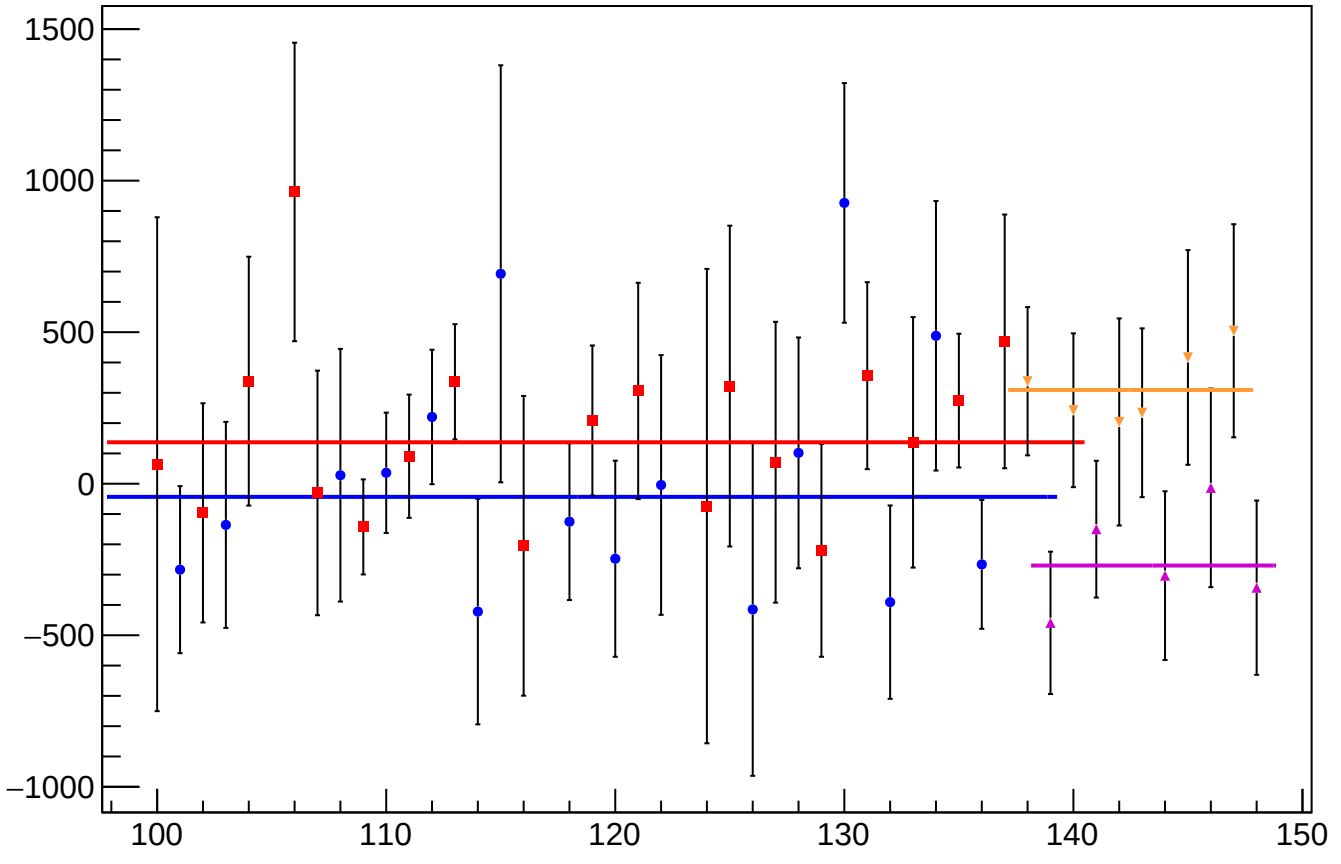
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

+ sign 17.184+/-0.004 χ^2/NDF: 59060.6/21

All: 17.130+/-0.002 χ^2/NDF: 123180.7/45

- sign 17.078+/-0.004 χ^2/NDF: 63665.0/23



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 309.367+/-119.722 χ^2/NDF:0.7/5

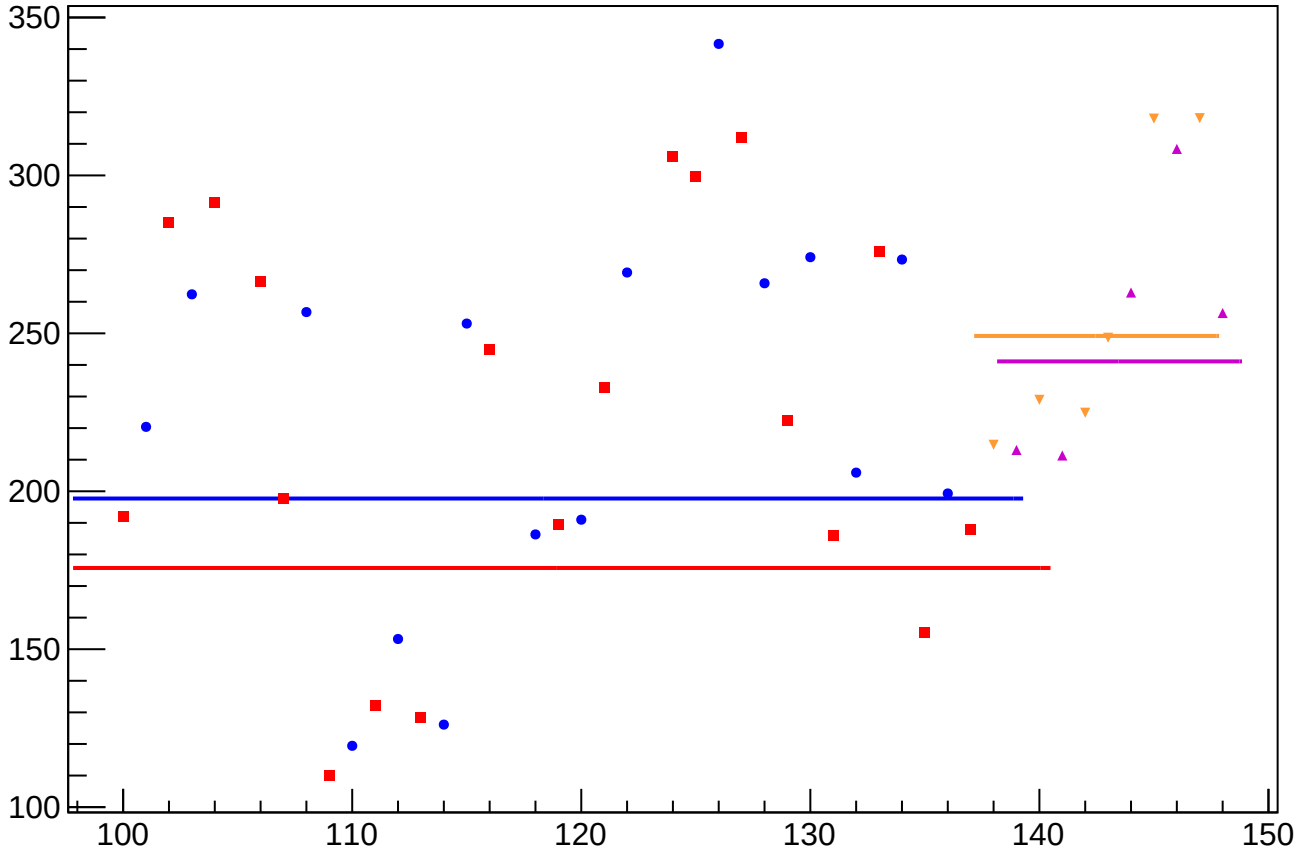
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -269.950+/-117.808 χ^2/NDF:1.6/4

\+ sign 60.942+/-65.108 χ^2/NDF: 22.2/21

All: 45.073+/-44.080 χ^2/NDF: 44.3/45

\- sign 31.643+/-59.896 χ^2/NDF: 22.0/23



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.177+/-0.085 χ^2/NDF:214866.3/5

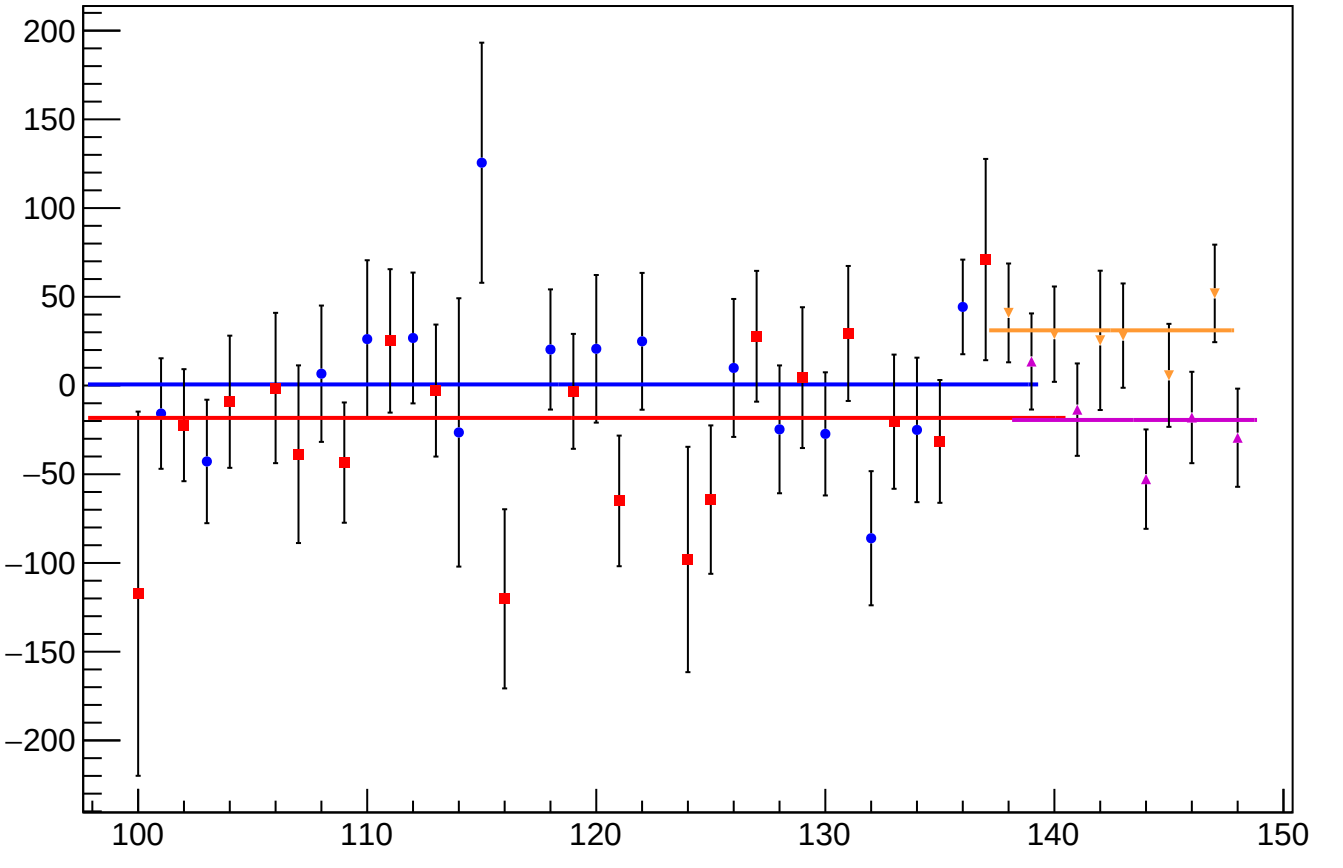
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

+ sign 212.929+/-0.046 χ^2/NDF: 1475512.4/21

All: 201.930+/-0.031 χ^2/NDF: 3794078.7/45

- sign 192.621+/-0.042 χ^2/NDF: 2213178.7/23



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.102+/-11.959 χ^2/NDF:1.5/5

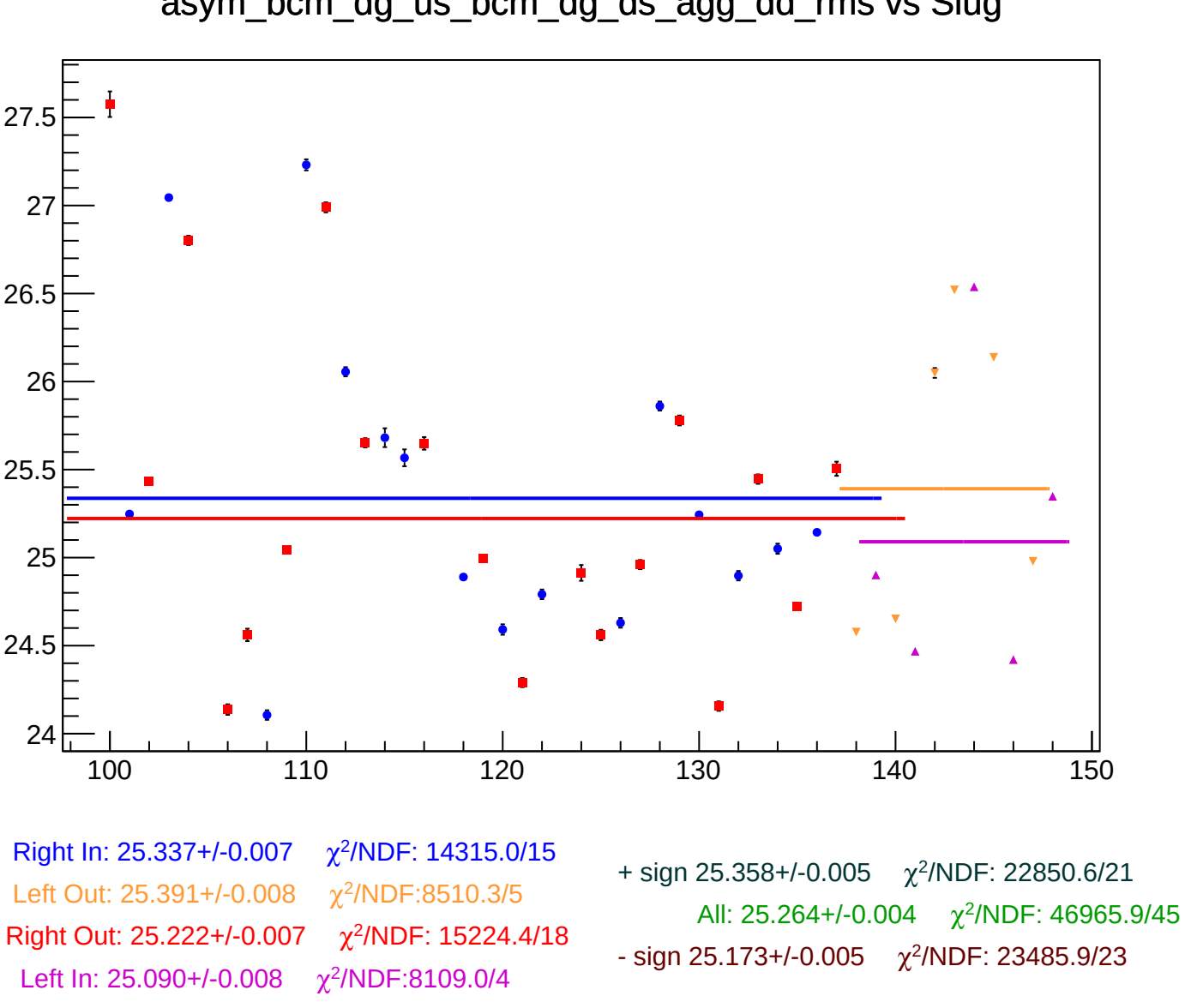
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

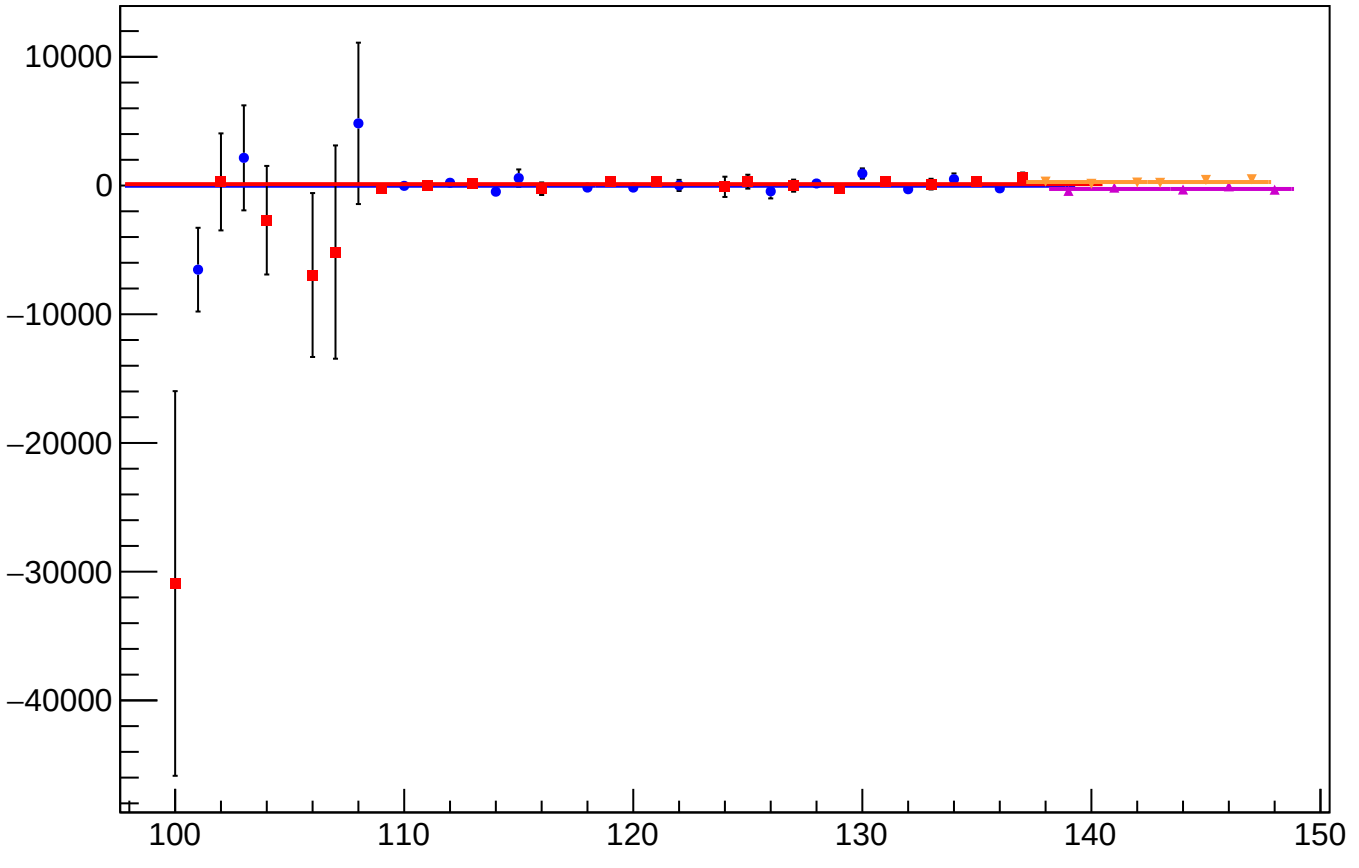
Left In: -19.404+/-12.014 χ^2/NDF:3.1/4

+ sign 12.293+/-7.401 χ^2/NDF: 22.2/21

All: -3.385+/-5.200 χ^2/NDF: 52.2/45

- sign -18.676+/-7.309 χ^2/NDF: 21.1/23


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.391+/-0.008 χ²/NDF:8510.3/5
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 25.090+/-0.008 χ²/NDF:8109.0/4
+ sign 25.358+/-0.005 χ²/NDF: 22850.6/21
All: 25.264+/-0.004 χ²/NDF: 46965.9/45
- sign 25.173+/-0.005 χ²/NDF: 23485.9/23



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 273.865+/-120.507 χ^2/NDF:1.0/5

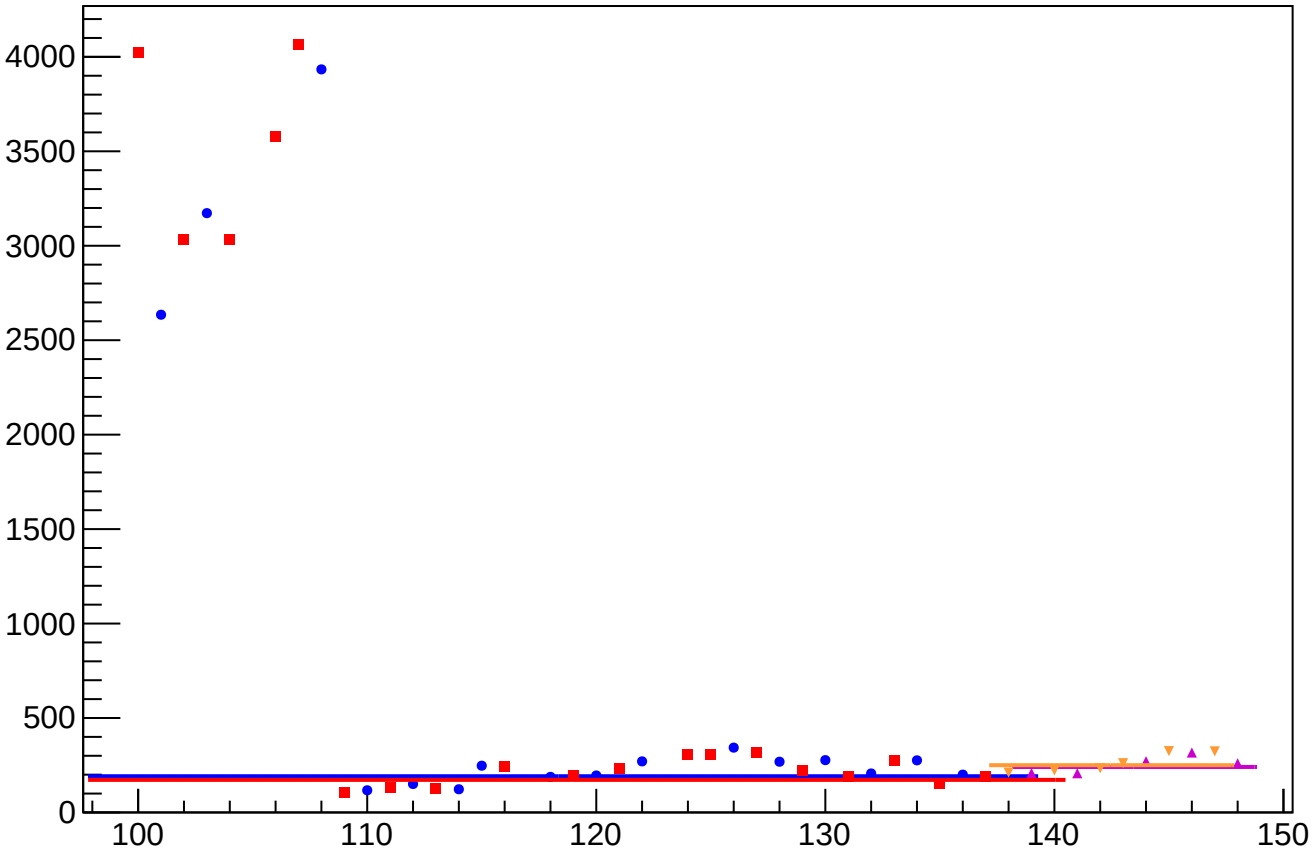
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -265.556+/-118.044 χ^2/NDF:1.1/4

+ sign 80.217+/-69.296 χ^2/NDF: 23.1/21

All: 34.889+/-47.460 χ^2/NDF: 46.0/45

- sign -5.157+/-65.134 χ^2/NDF: 22.1/23



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 250.193+/-0.085 χ^2/NDF:254960.2/5

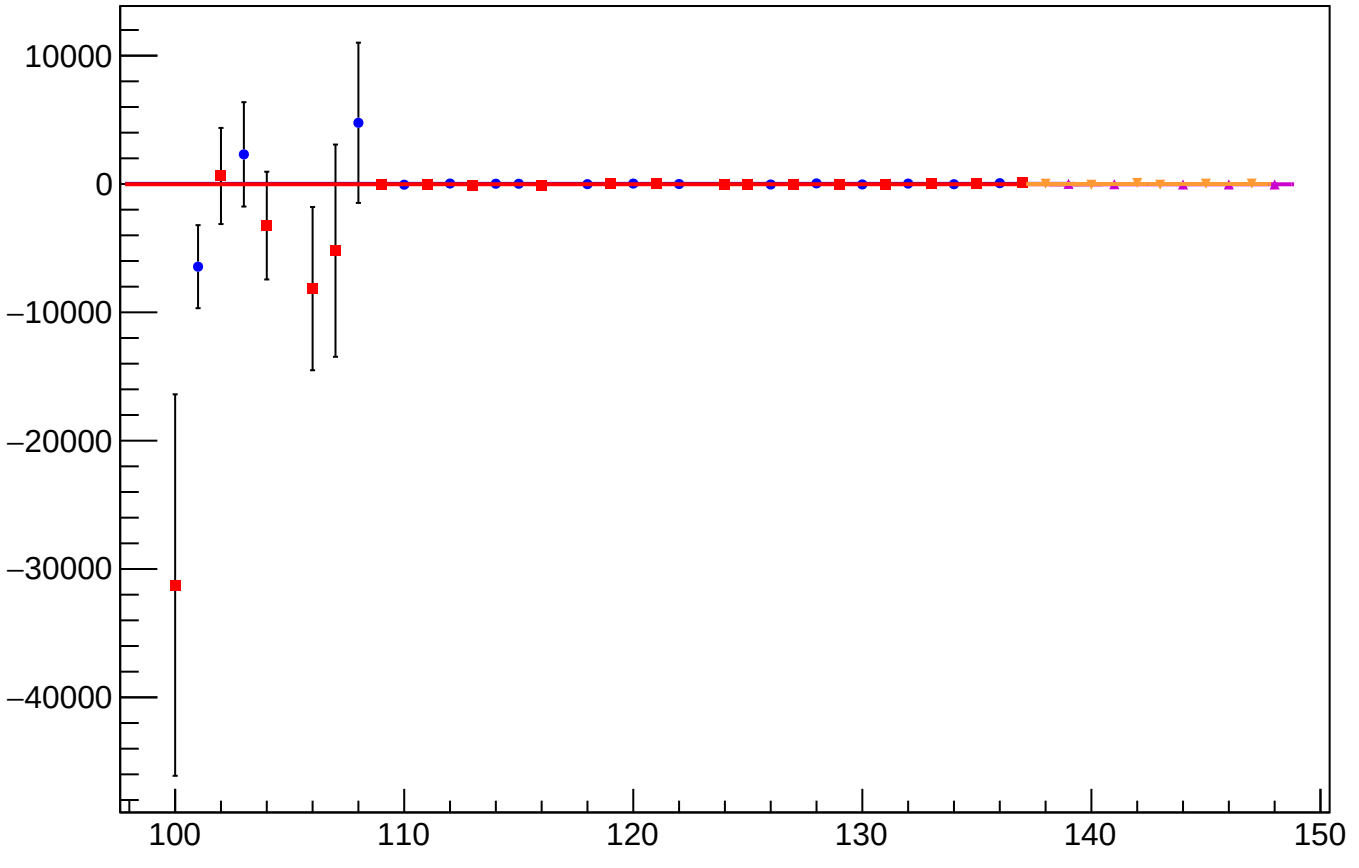
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 240.798+/-0.083 χ^2/NDF:217549.2/4

+ sign 211.065+/-0.049 χ^2/NDF: 4391771.9/21

All: 201.616+/-0.034 χ^2/NDF: 9448686.2/45

- sign 193.267+/-0.046 χ^2/NDF: 4986866.8/23



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

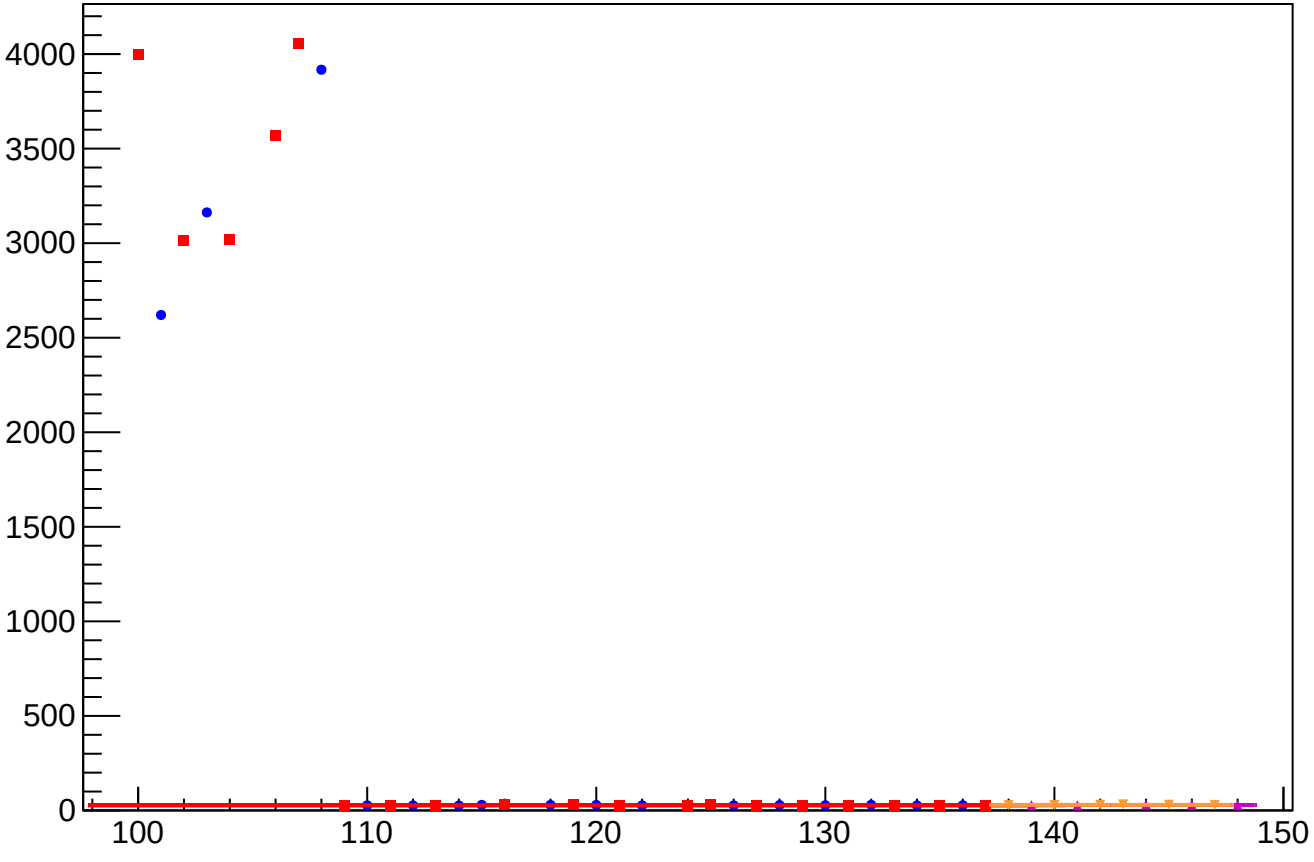
Left In: -22.532+/-13.864 χ^2/NDF:1.7/4

+ sign 5.568+/-8.937 χ^2/NDF: 27.3/21

All: -7.126+/-6.337 χ^2/NDF: 57.9/45

- sign -19.966+/-8.988 χ^2/NDF: 26.5/23

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

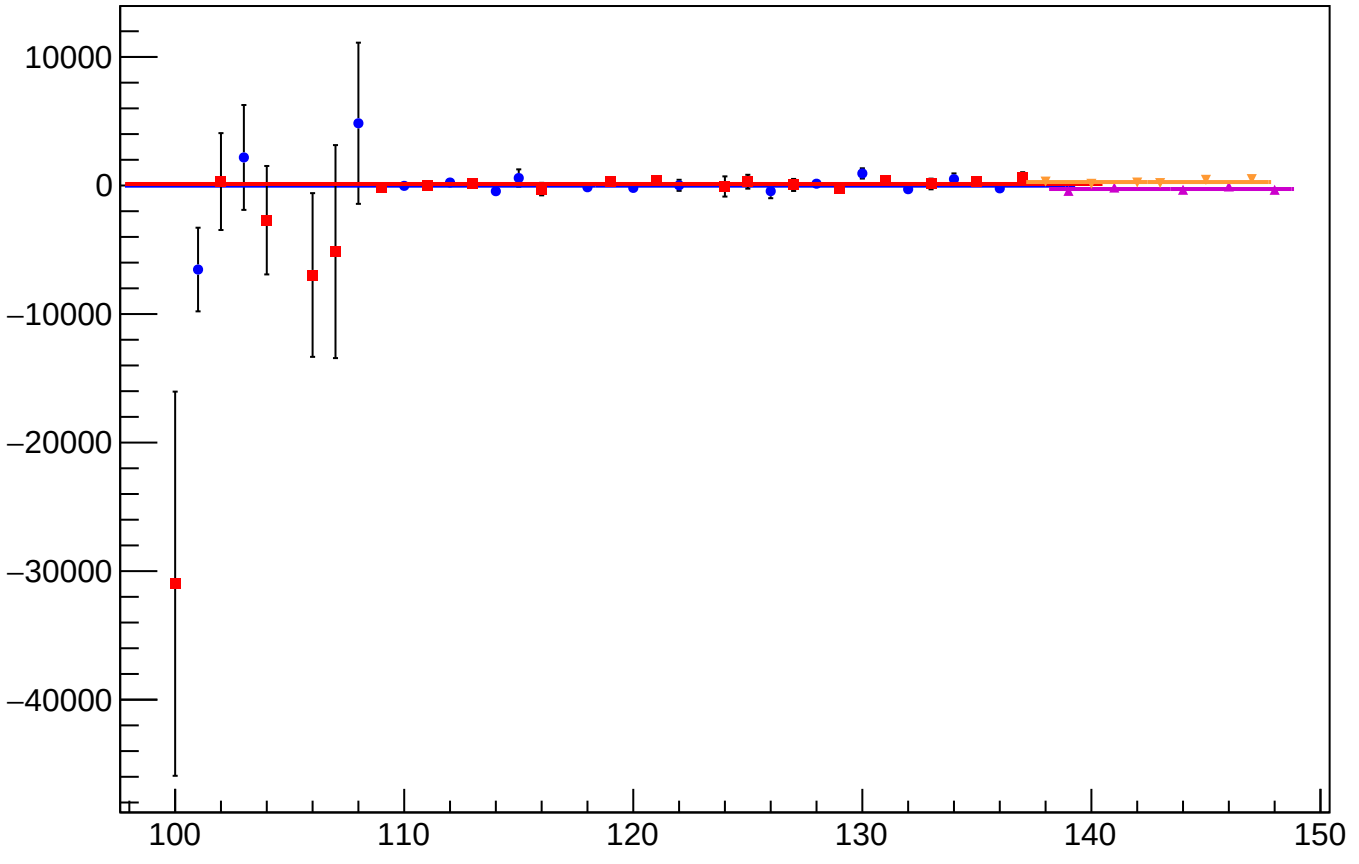
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.907+/-0.010 χ^2/NDF:23526.4/4

+ sign 28.348+/-0.006 χ^2/NDF: 3301126.6/21

All: 28.231+/-0.004 χ^2/NDF: 6891937.8/45

- sign 28.111+/-0.006 χ^2/NDF: 3590111.0/23



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 269.441+/-120.230 χ^2/NDF:1.1/5

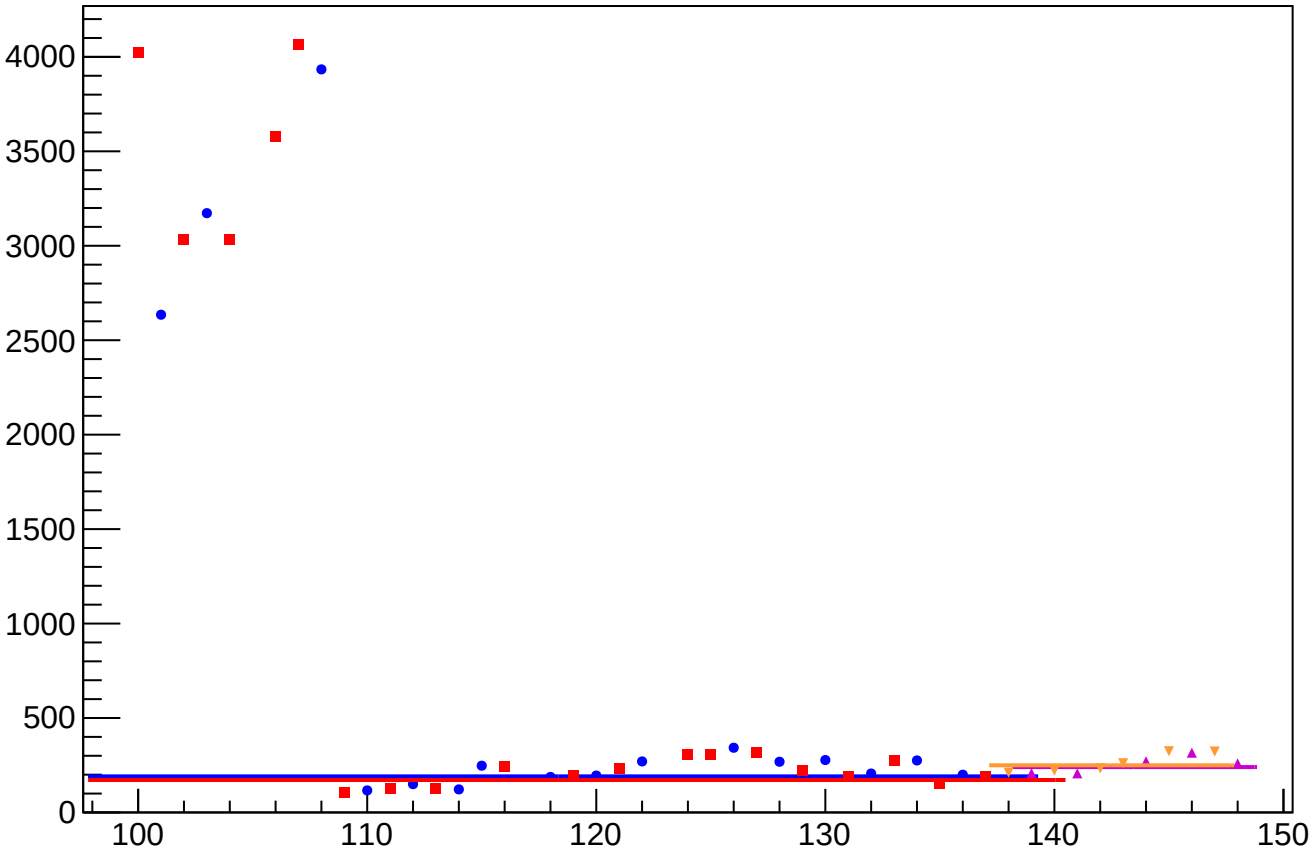
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -272.720+/-117.785 χ^2/NDF:1.1/4

+ sign 80.210+/-69.108 χ^2/NDF: 23.1/21

All: 37.210+/-47.330 χ^2/NDF: 47.0/45

- sign -0.775+/-64.953 χ^2/NDF: 23.2/23



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 249.609+/-0.085 χ^2/NDF:255394.0/5

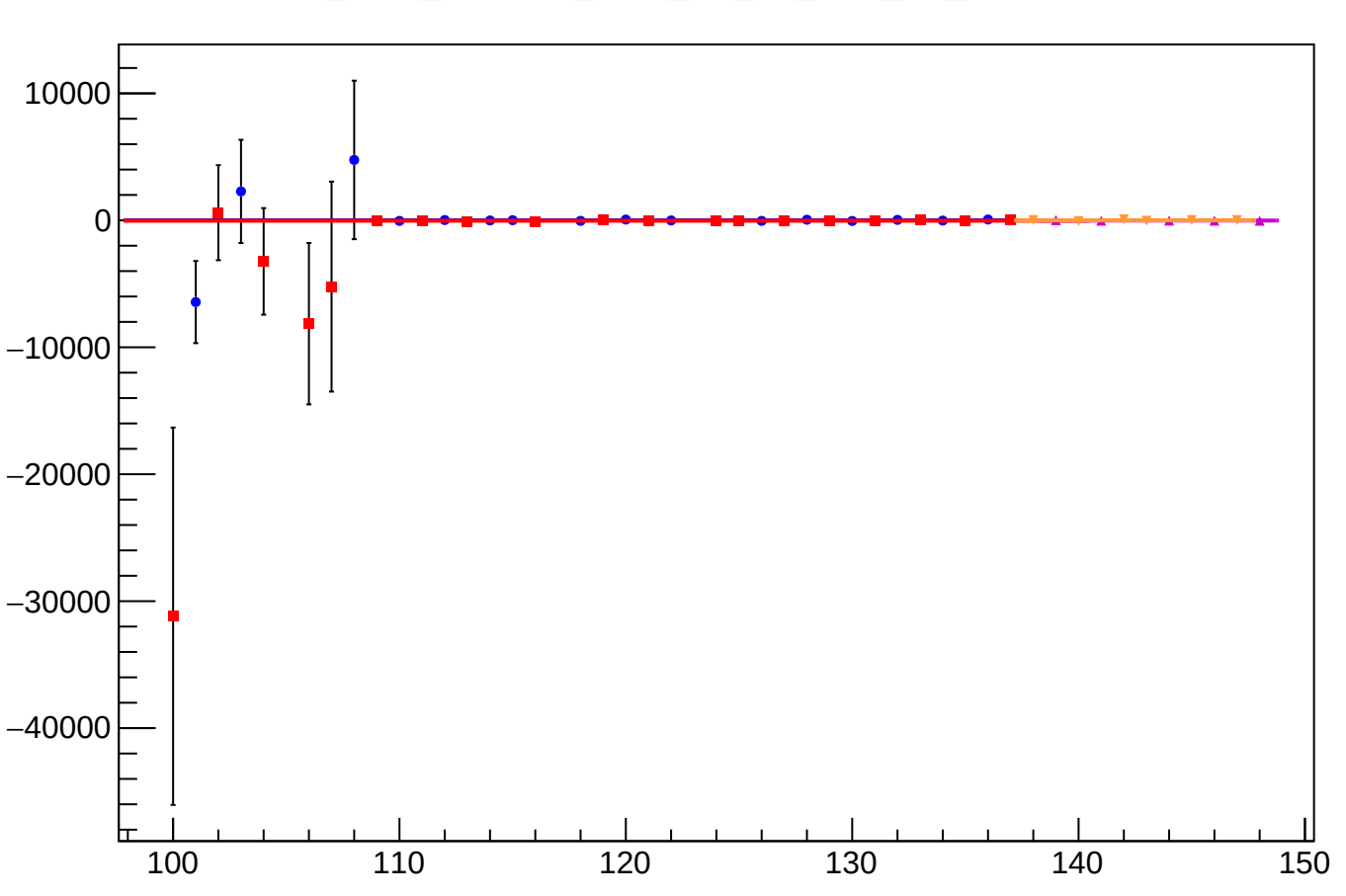
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

+ sign 210.411+/-0.049 χ^2/NDF: 4406829.8/21

All: 200.978+/-0.033 χ^2/NDF: 9479062.4/45

- sign 192.646+/-0.046 χ^2/NDF: 5002056.8/23



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

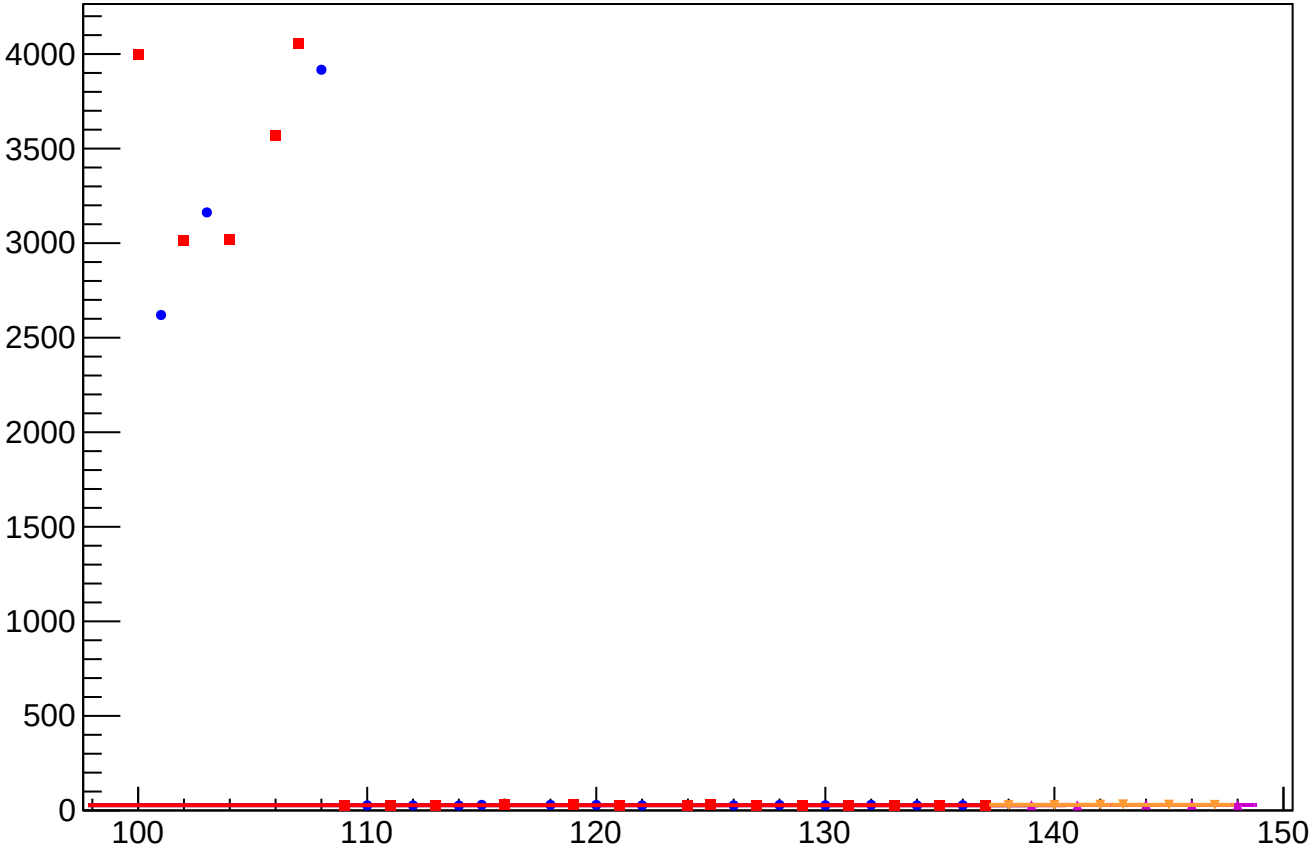
Left In: -16.107+/-13.950 χ^2/NDF:1.4/4

+ sign 4.140+/-8.997 χ^2/NDF: 27.0/21

All: -10.191+/-6.382 χ^2/NDF: 54.0/45

- sign -24.704+/-9.054 χ^2/NDF: 22.0/23

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

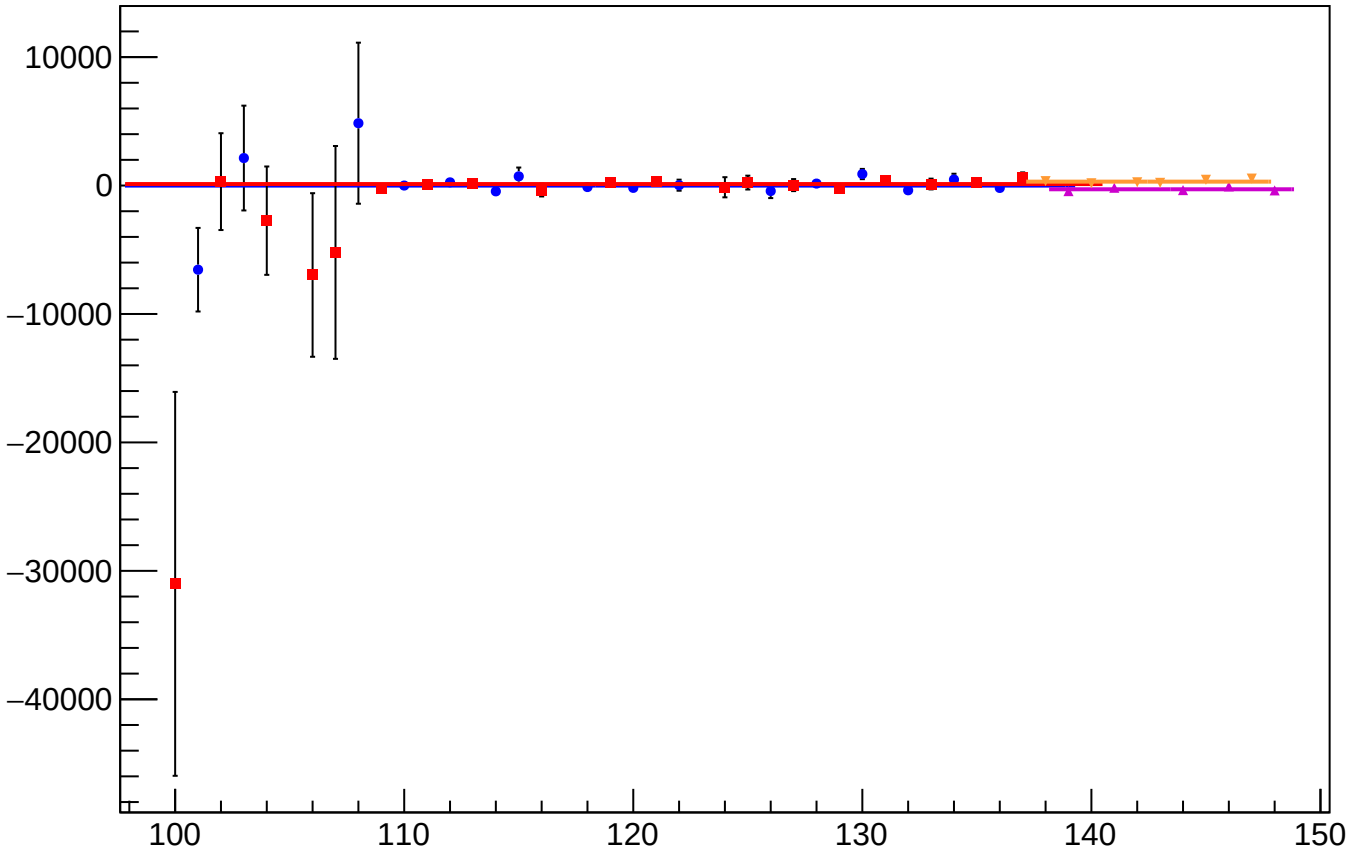
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

+ sign 28.537+/-0.006 χ^2/NDF: 3301895.4/21

All: 28.425+/-0.005 χ^2/NDF: 6897370.6/45

- sign 28.312+/-0.006 χ^2/NDF: 3594854.6/23



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 303.533+/-121.784 χ^2/NDF:1.0/5

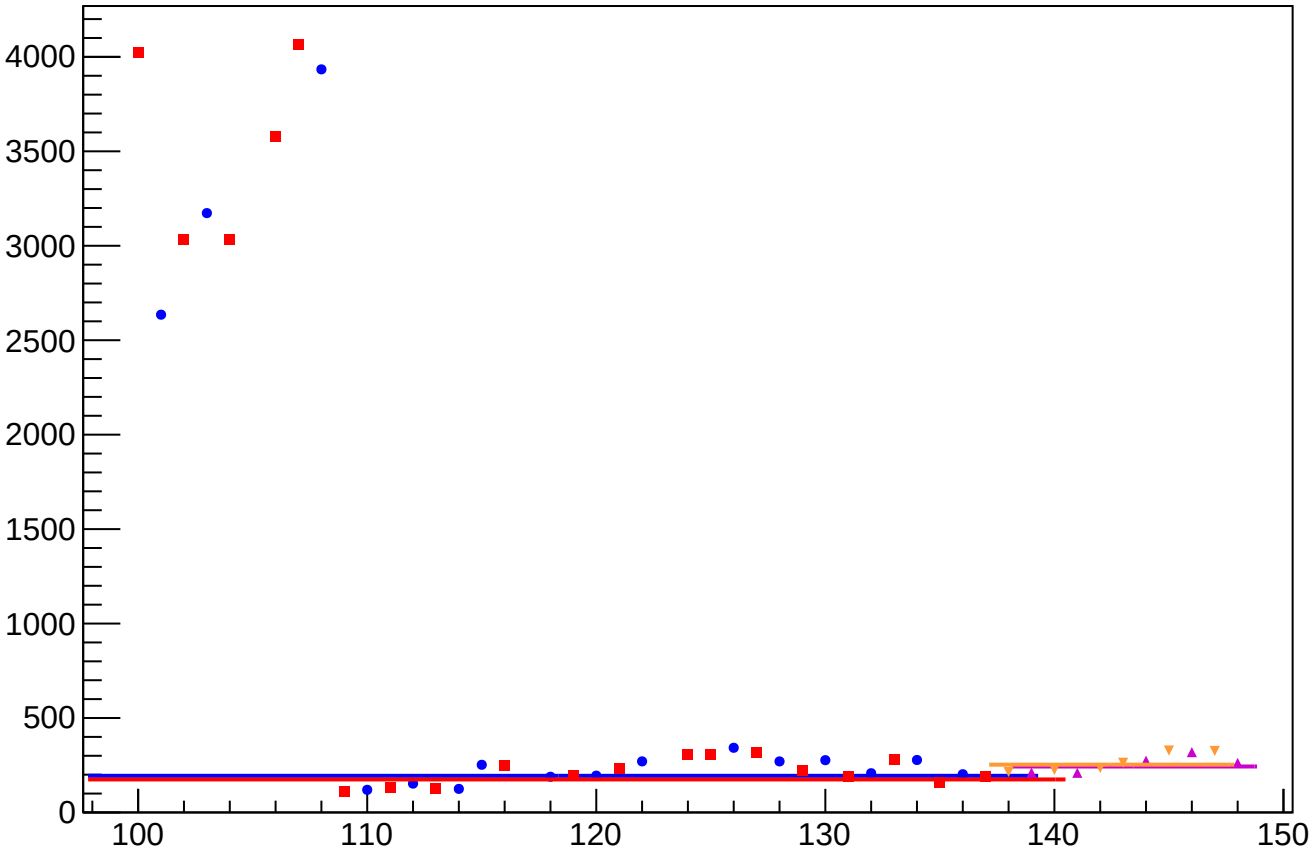
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -291.270+/-119.233 χ^2/NDF:1.2/4

+ sign 98.354+/-69.981 χ^2/NDF: 23.5/21

All: 41.762+/-47.949 χ^2/NDF: 47.8/45

- sign -8.314+/-65.829 χ^2/NDF: 23.1/23



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 252.951+/-0.086 χ^2/NDF:248966.7/5

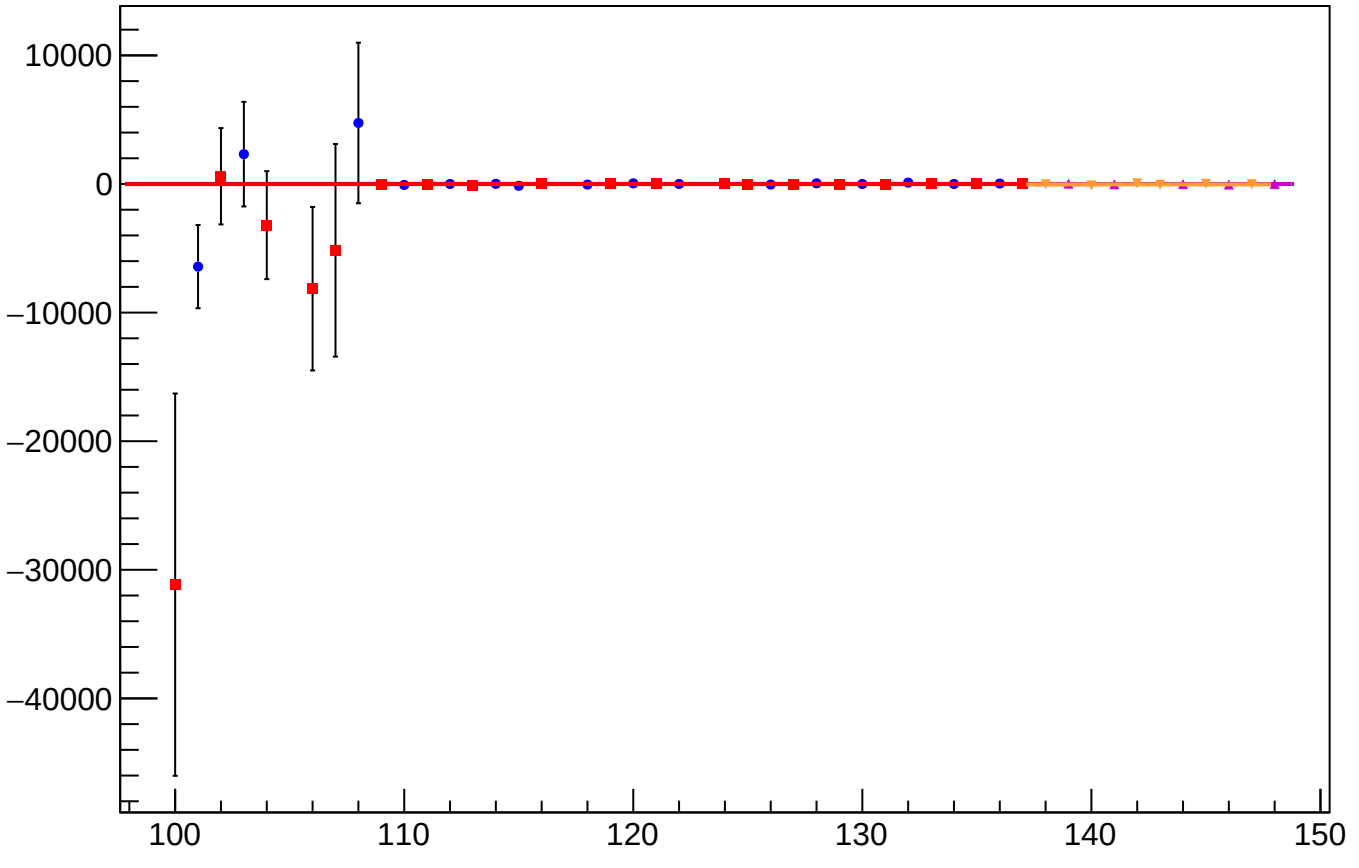
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 243.329+/-0.084 χ^2/NDF:213288.7/4

+ sign 213.430+/-0.049 χ^2/NDF: 4347891.6/21

All: 204.010+/-0.034 χ^2/NDF: 9348366.4/45

- sign 195.674+/-0.047 χ^2/NDF: 4932170.4/23



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

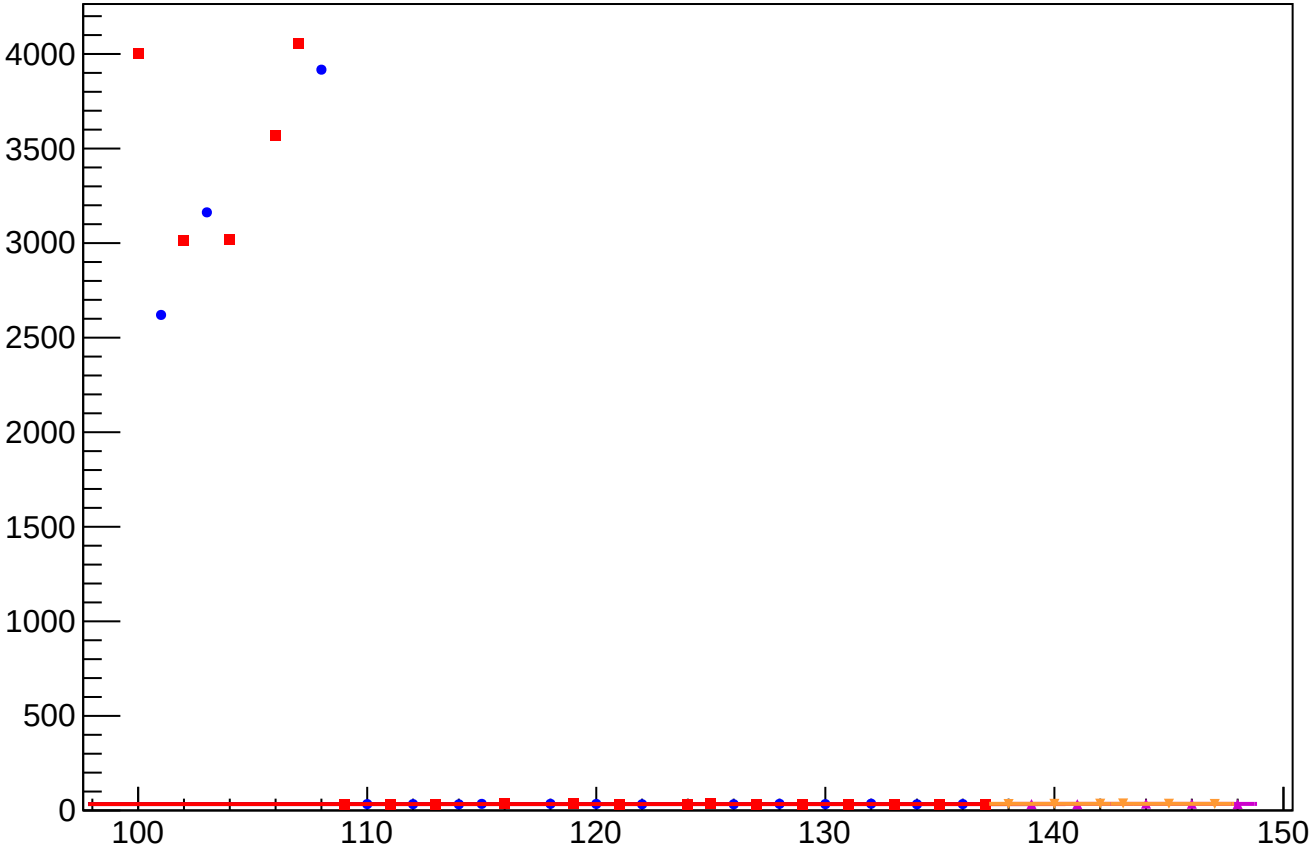
Left In: -0.063+/-16.572 χ^2/NDF:1.8/4

+ sign -10.761+/-10.814 χ^2/NDF: 28.2/21

All: -8.254+/-7.671 χ^2/NDF: 53.7/45

- sign -5.716+/-10.884 χ^2/NDF: 25.4/23

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

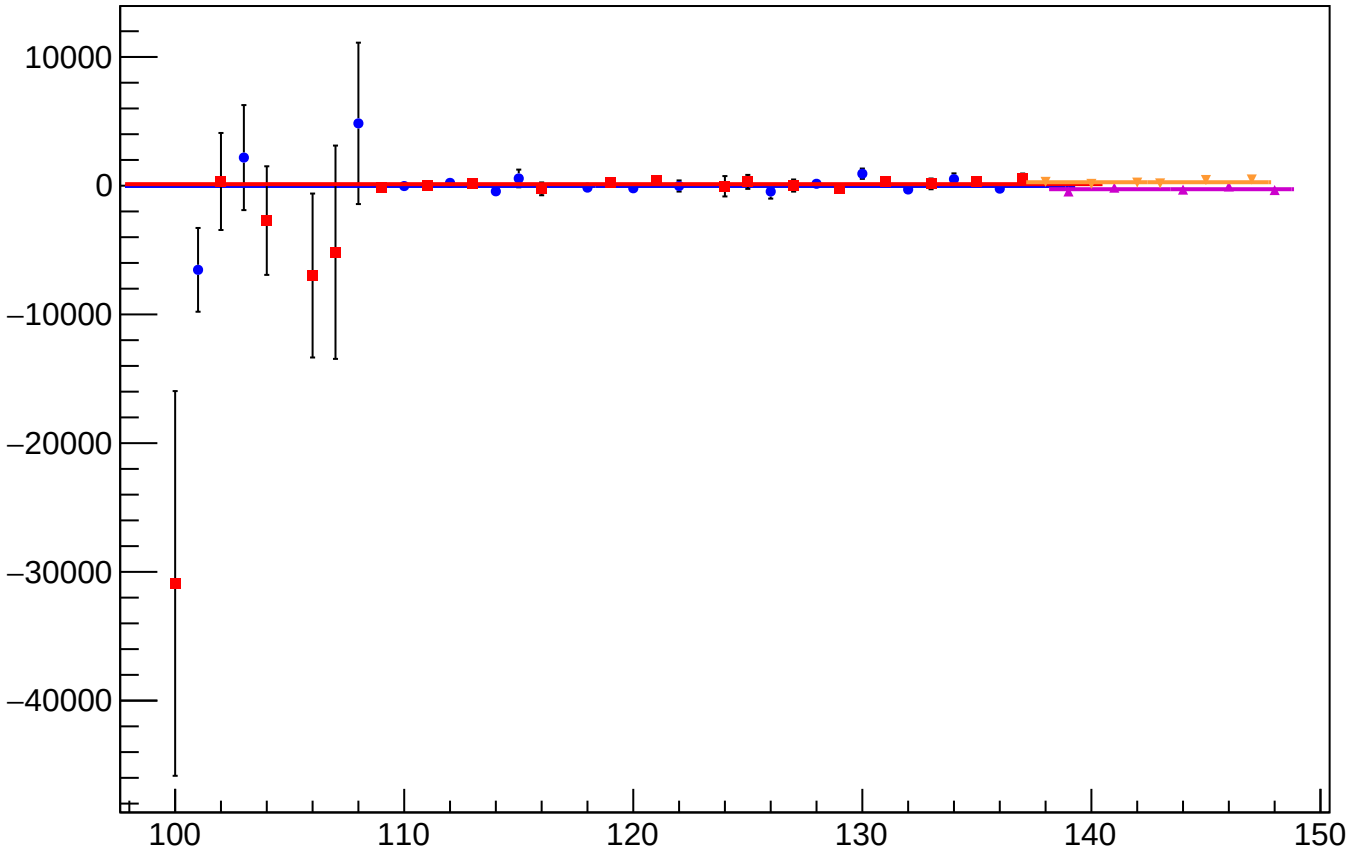
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.609+/-0.012 χ^2/NDF:7497.8/4

+ sign 34.380+/-0.008 χ^2/NDF: 3257000.8/21

All: 34.244+/-0.005 χ^2/NDF: 6794821.2/45

- sign 34.107+/-0.008 χ^2/NDF: 3537188.1/23



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 269.292+/-120.823 χ^2/NDF:1.0/5

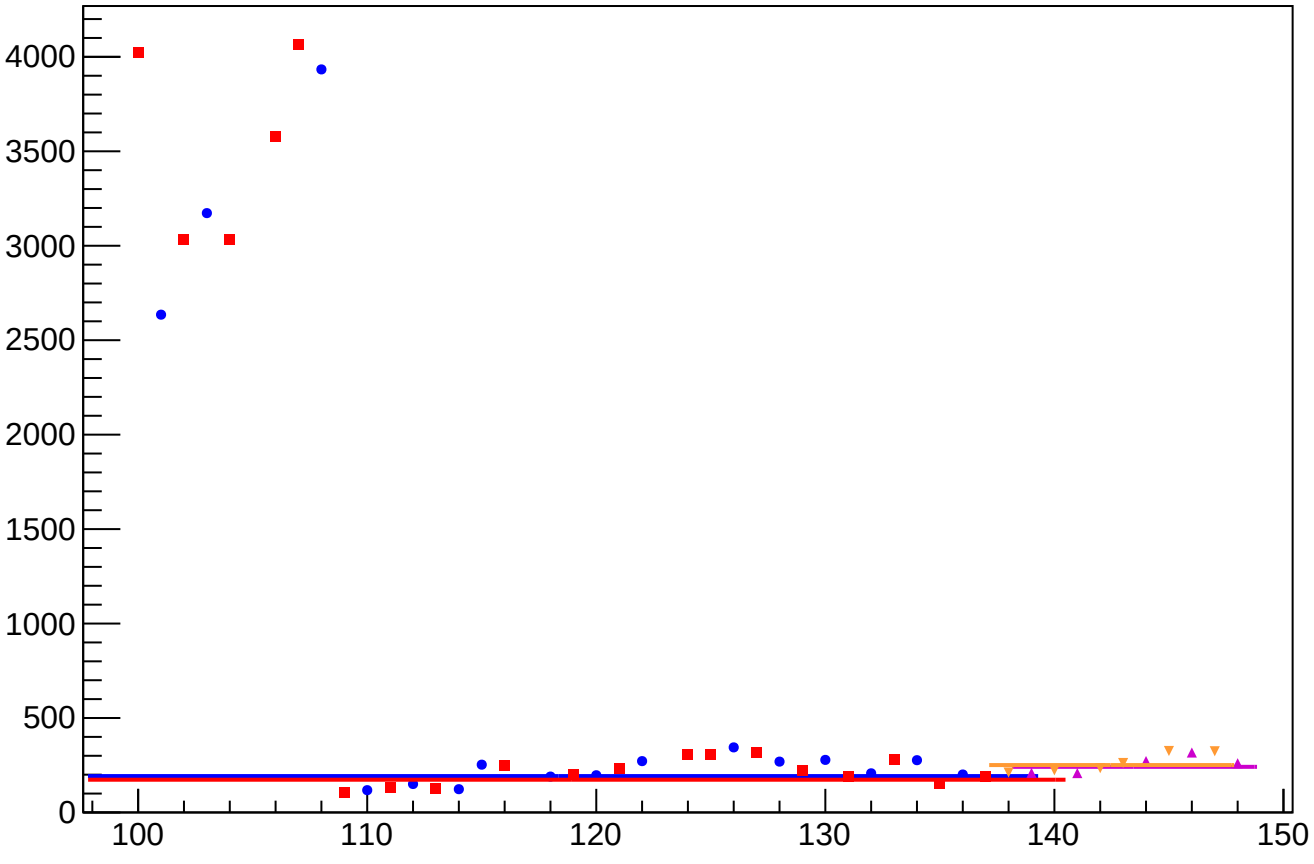
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -272.689+/-118.366 χ^2/NDF:1.3/4

+ sign 76.190+/-69.554 χ^2/NDF: 23.0/21

All: 35.795+/-47.644 χ^2/NDF: 45.9/45

- sign 0.086+/-65.395 χ^2/NDF: 22.3/23



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 250.865+/-0.085 χ^2/NDF:254056.6/5

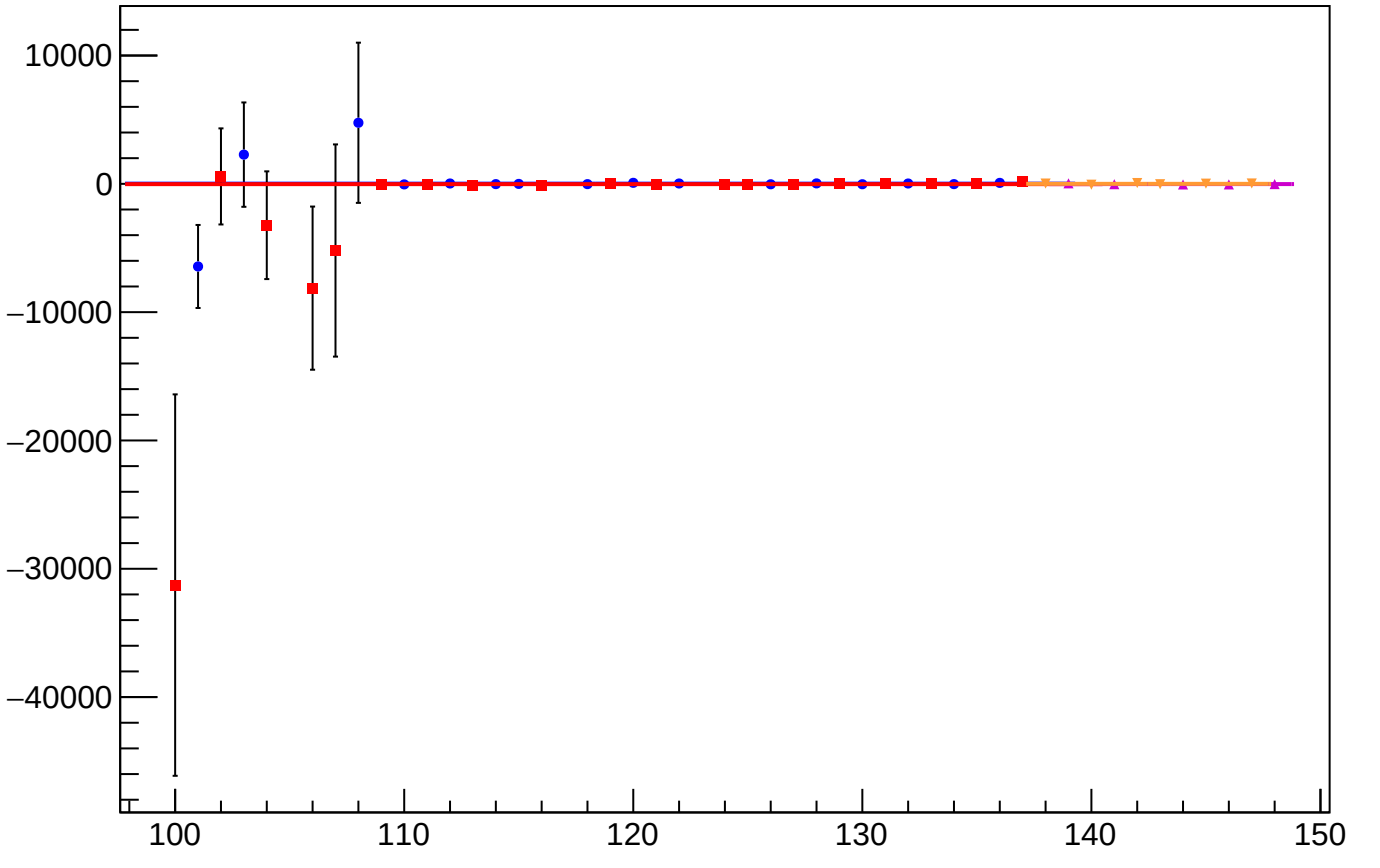
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

+ sign 211.882+/-0.049 χ^2/NDF: 4388238.5/21

All: 202.434+/-0.034 χ^2/NDF: 9441874.2/45

- sign 194.083+/-0.046 χ^2/NDF: 4984116.0/23



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

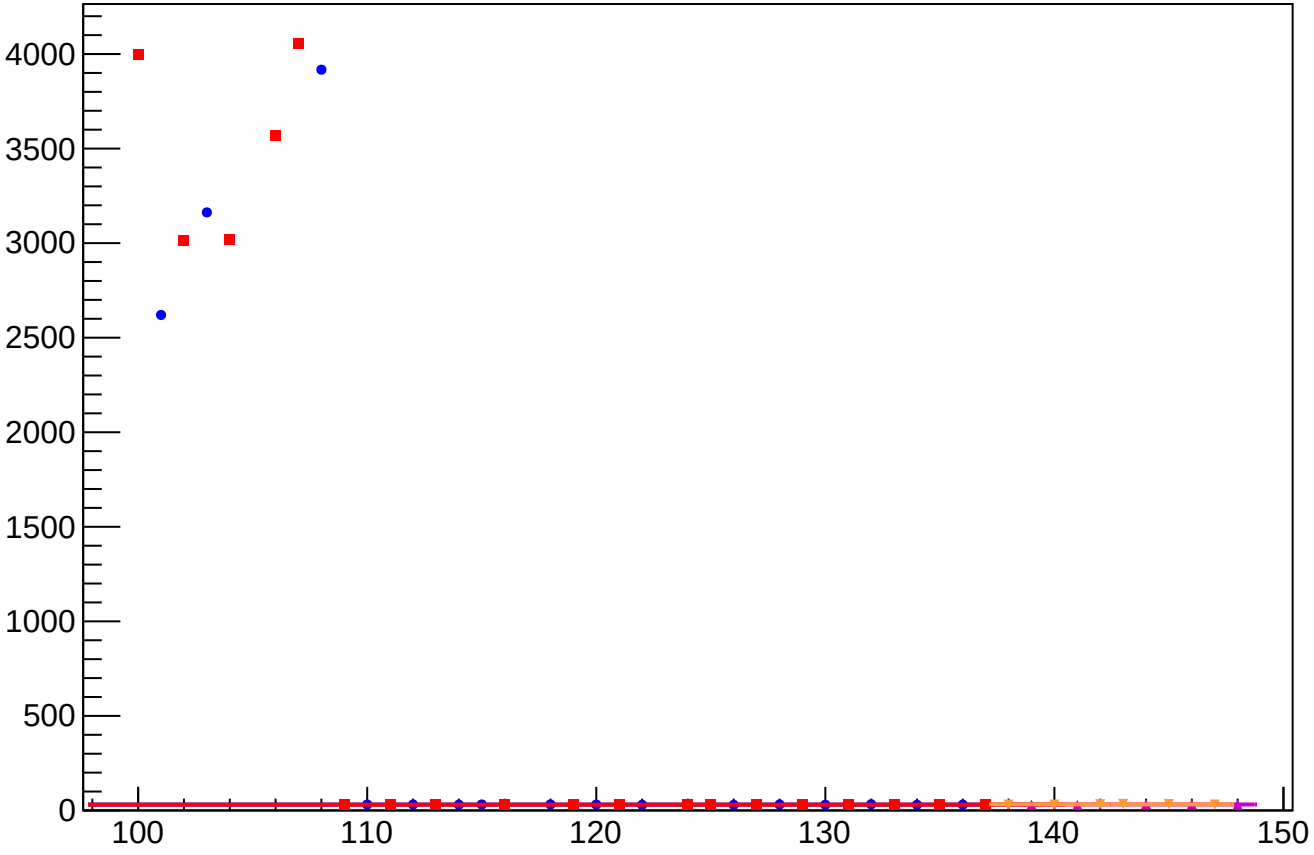
Left In: -18.669+/-15.161 χ^2/NDF:4.3/4

+ sign 7.905+/-9.909 χ^2/NDF: 23.3/21

All: -6.625+/-7.020 χ^2/NDF: 60.7/45

- sign -21.266+/-9.947 χ^2/NDF: 33.1/23

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

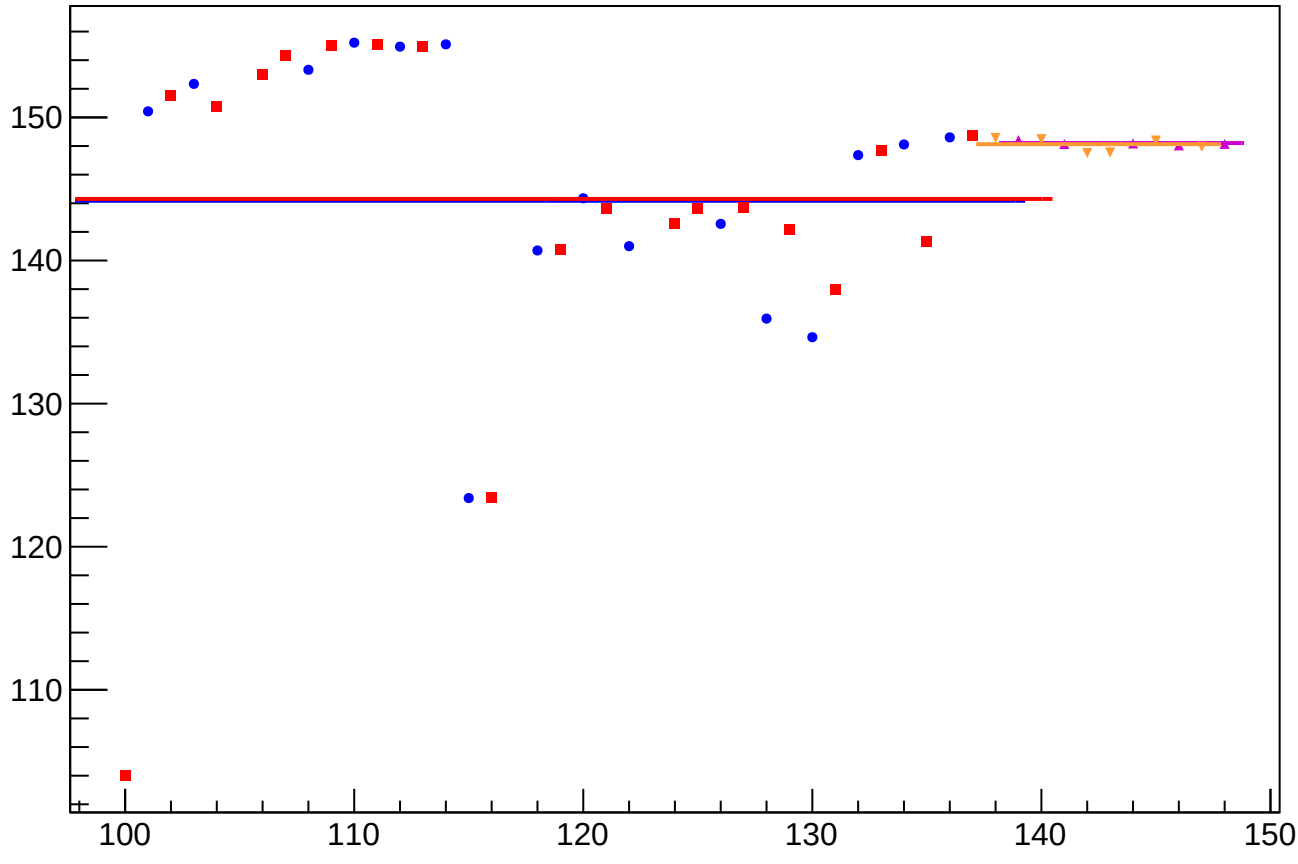
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

+ sign 31.466+/-0.007 χ^2/NDF: 3279764.0/21

All: 31.307+/-0.005 χ^2/NDF: 6839220.4/45

- sign 31.146+/-0.007 χ^2/NDF: 3558416.3/23



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

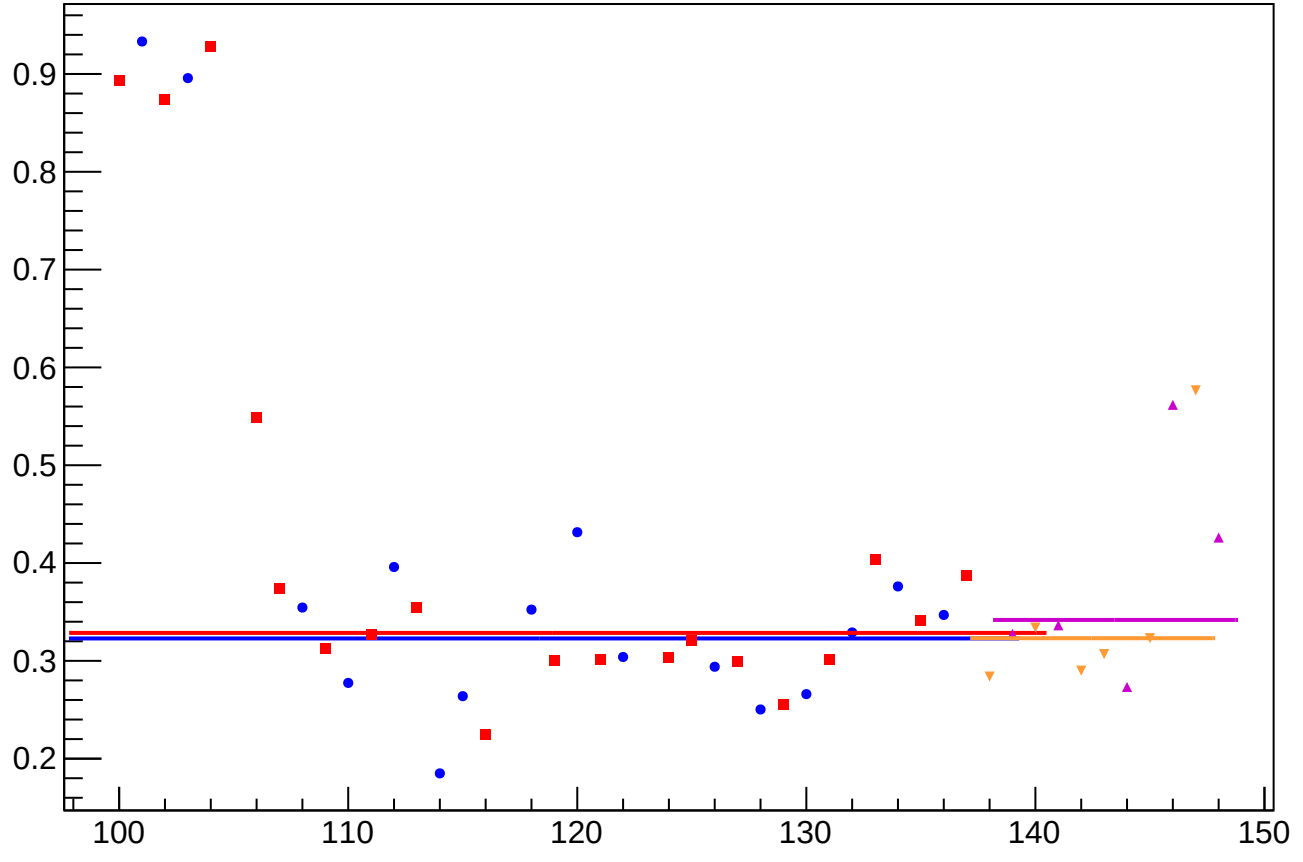
Left In: 148.209+/-0.000 χ^2/NDF:440457.7/4

+ sign 145.789+/-0.000 χ^2/NDF: 4096677753.7/21

All: 145.775+/-0.000 χ^2/NDF: 8682631424.0

- sign 145.760+/-0.000 χ^2/NDF: 4585914495.6/23

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

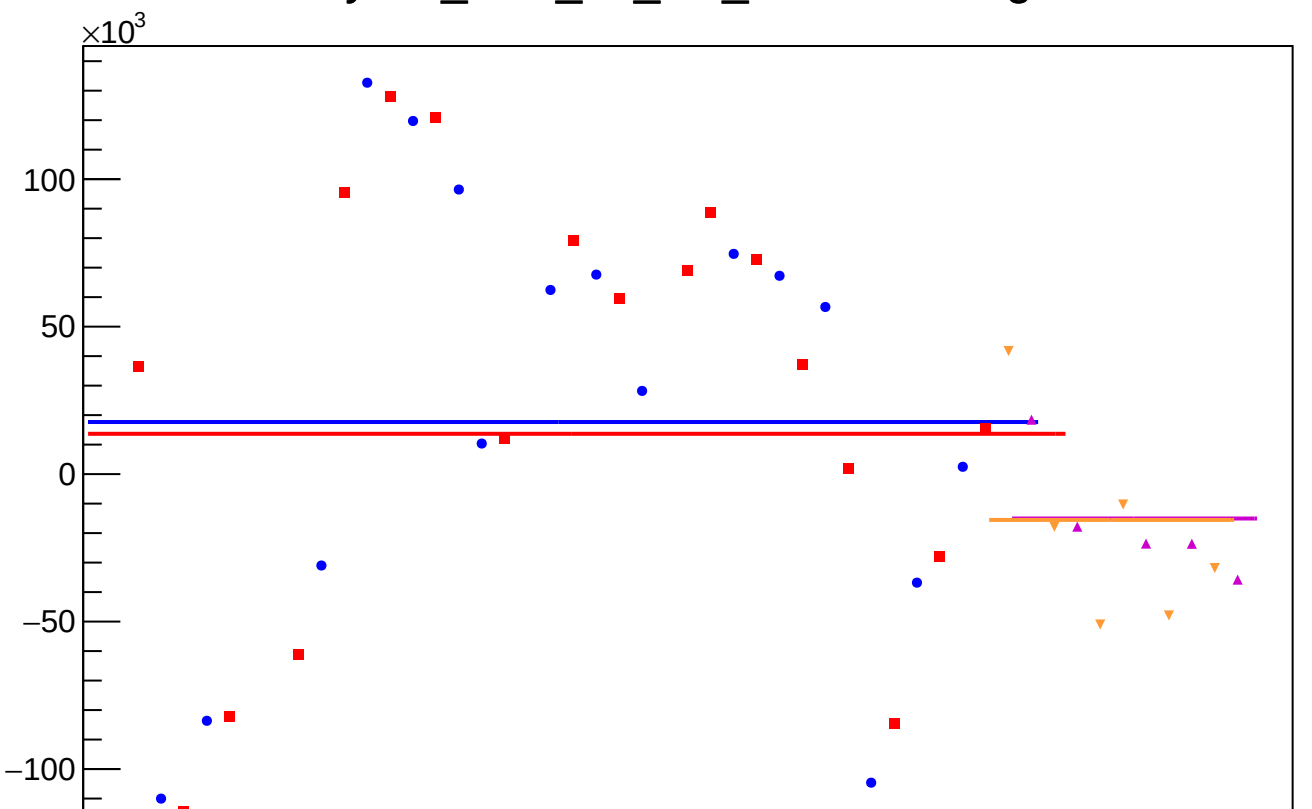
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

+ sign 0.323+/-0.000 χ^2/NDF: 1739204.6/21

All: 0.328+/-0.000 χ^2/NDF: 3491714.7/45

- sign 0.334+/-0.000 χ^2/NDF: 1742202.6/23



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

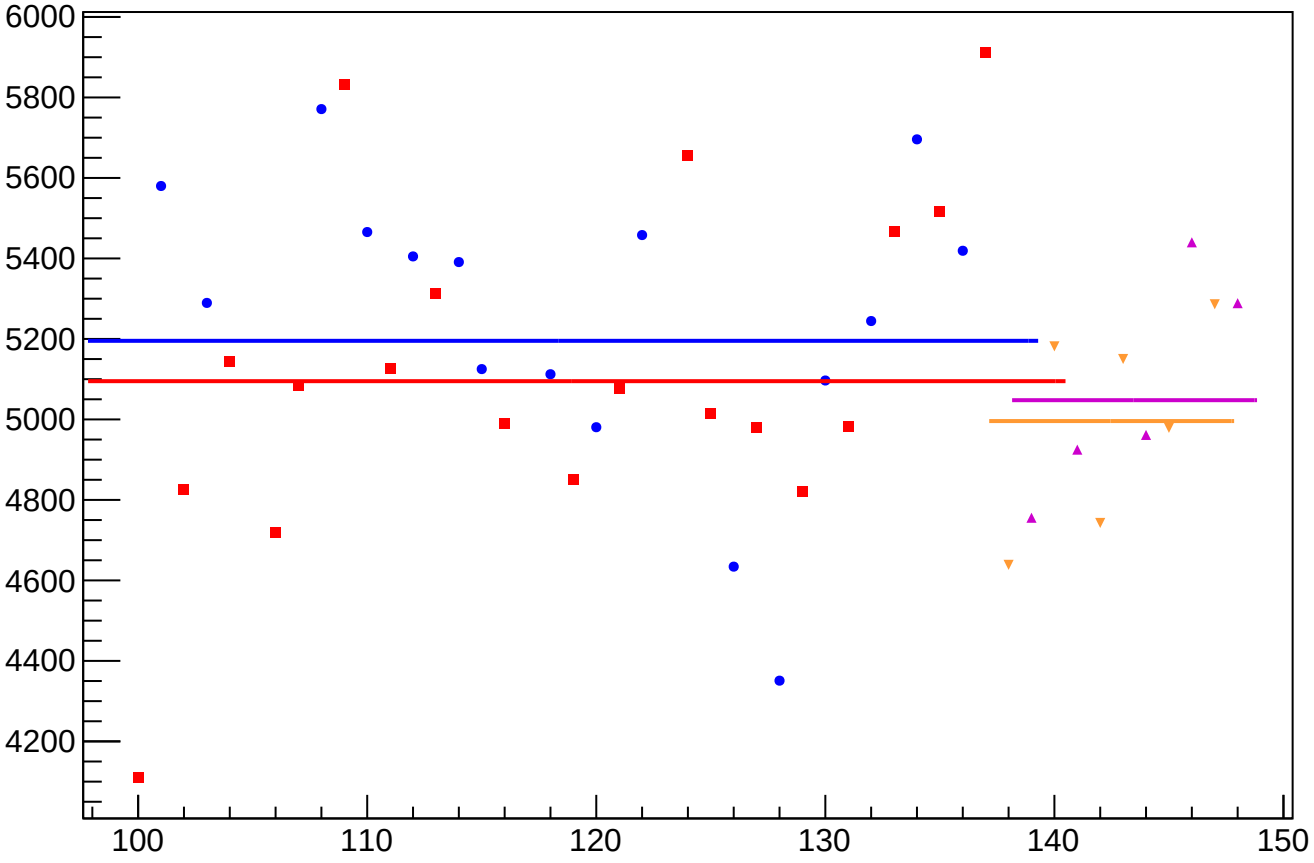
Left In: -15054.403+/-2.523 χ^2/NDF:56421506.2/4

+ sign 4276.561+/-1.549 χ^2/NDF: 1686536876.5/21

All: 3681.459+/-1.089 χ^2/NDF: 3682109864.

- sign 3100.651+/-1.530 χ^2/NDF: 1995281392.0/23

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

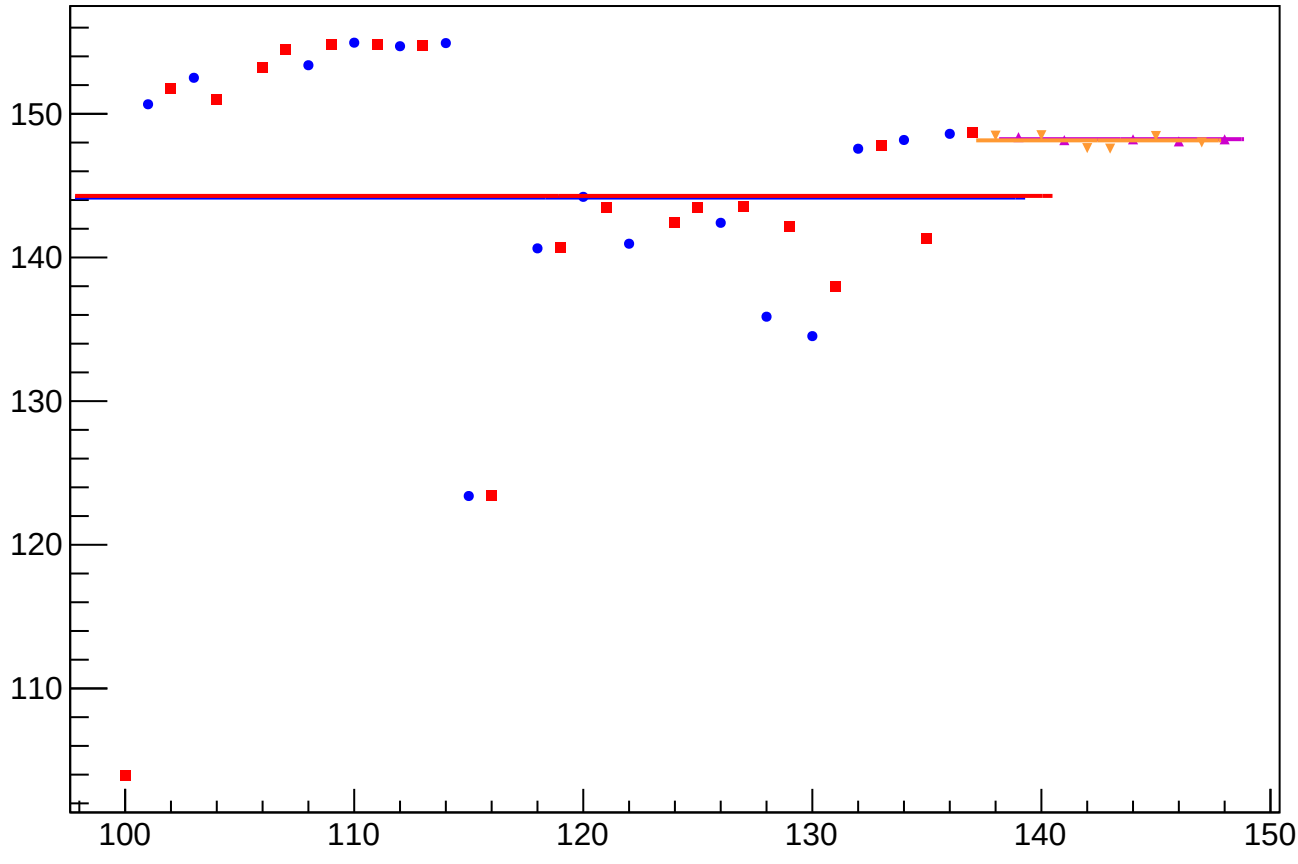
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 5047.796+/-1.784 χ^2/NDF:19091.3/4

+ sign 5114.877+/-1.095 χ^2/NDF: 104332.4/21

All: 5096.045+/-0.770 χ^2/NDF: 183563.1/45

- sign 5077.665+/-1.082 χ^2/NDF: 78646.6/23



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

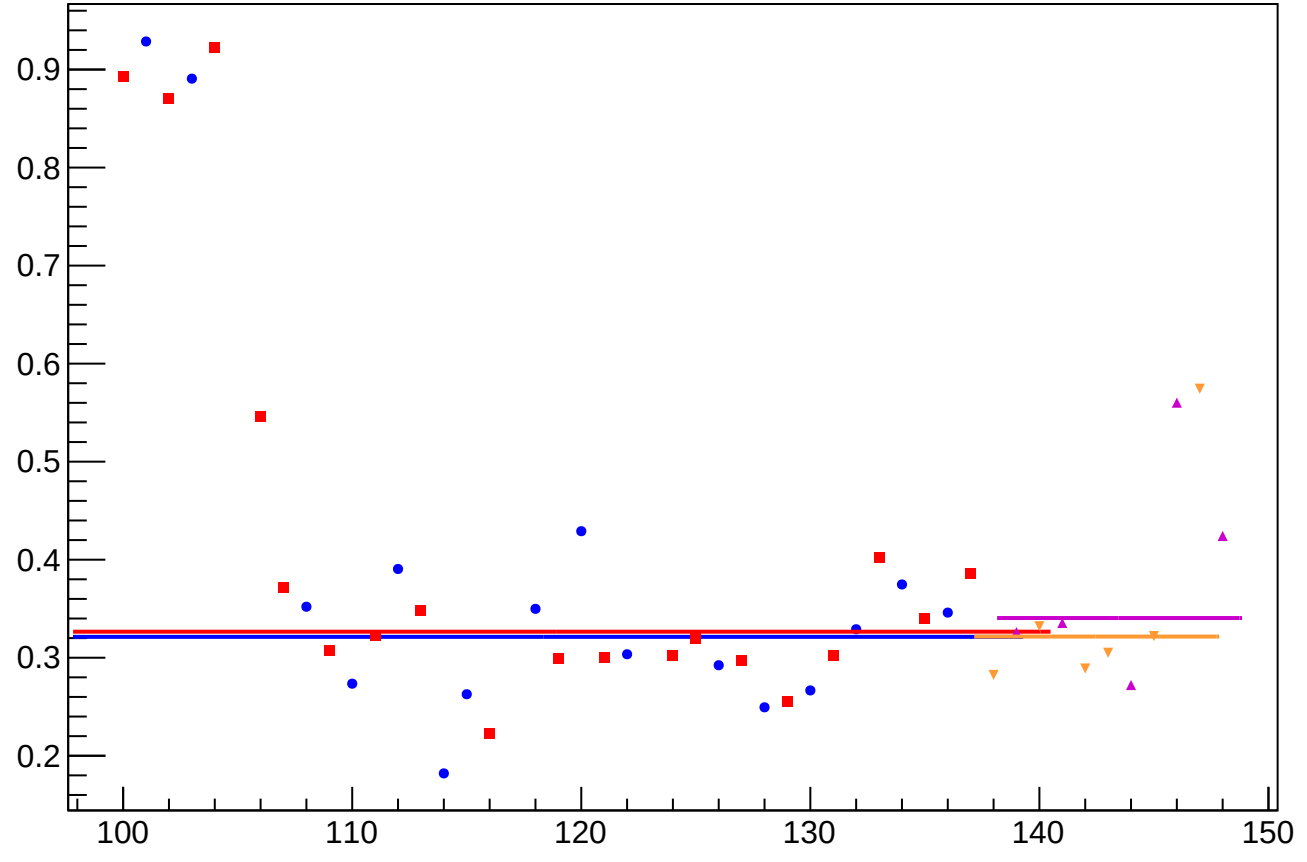
Left In: 148.236+/-0.000 χ^2/NDF:253555.0/4

+ sign 145.796+/-0.000 χ^2/NDF: 4144470054.4/21

All: 145.776+/-0.000 χ^2/NDF: 8766514087.0

- sign 145.755+/-0.000 χ^2/NDF: 4621966735.5/23

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

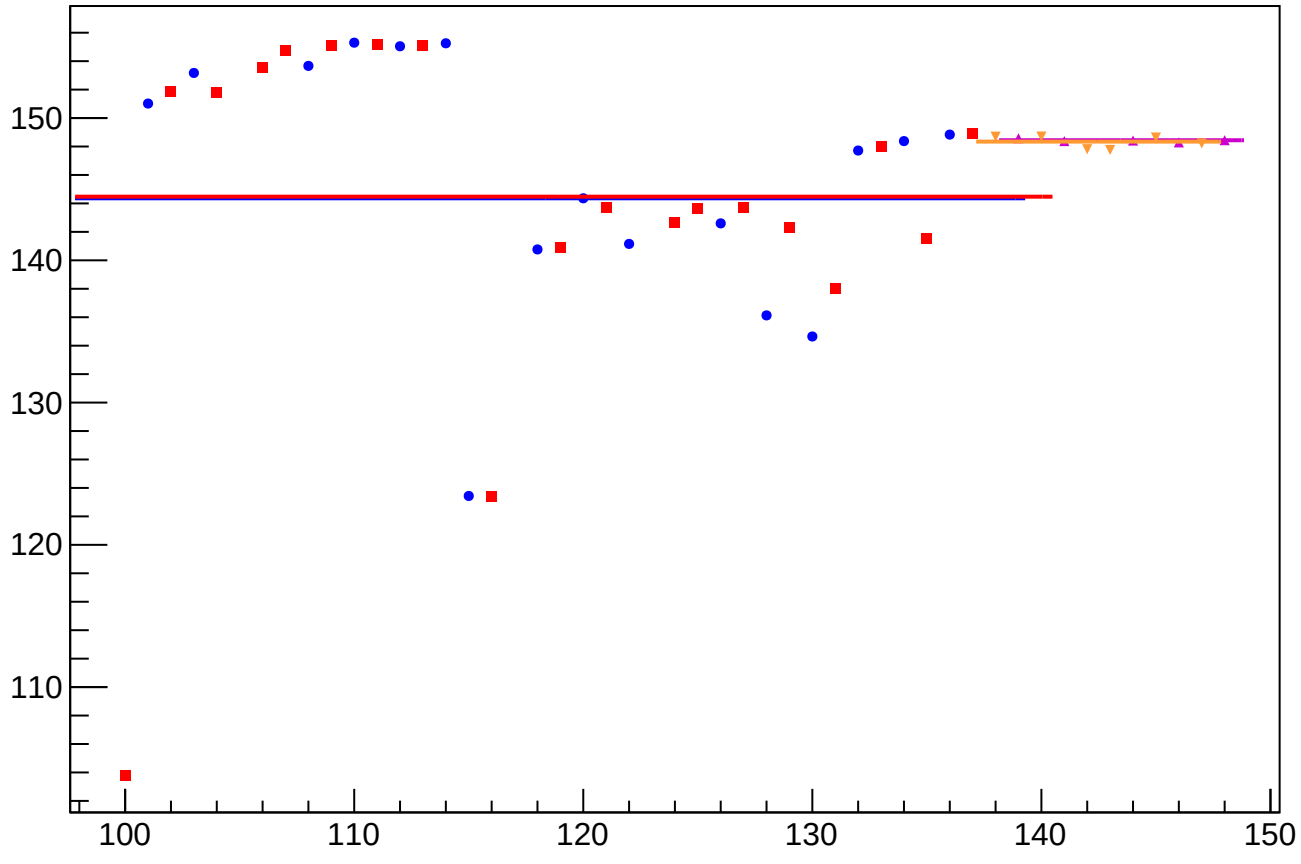
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.340+/-0.000 χ^2/NDF:431586.9/4

+ sign 0.321+/-0.000 χ^2/NDF: 1740232.7/21

All: 0.326+/-0.000 χ^2/NDF: 3492843.0/45

- sign 0.332+/-0.000 χ^2/NDF: 1742574.0/23



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

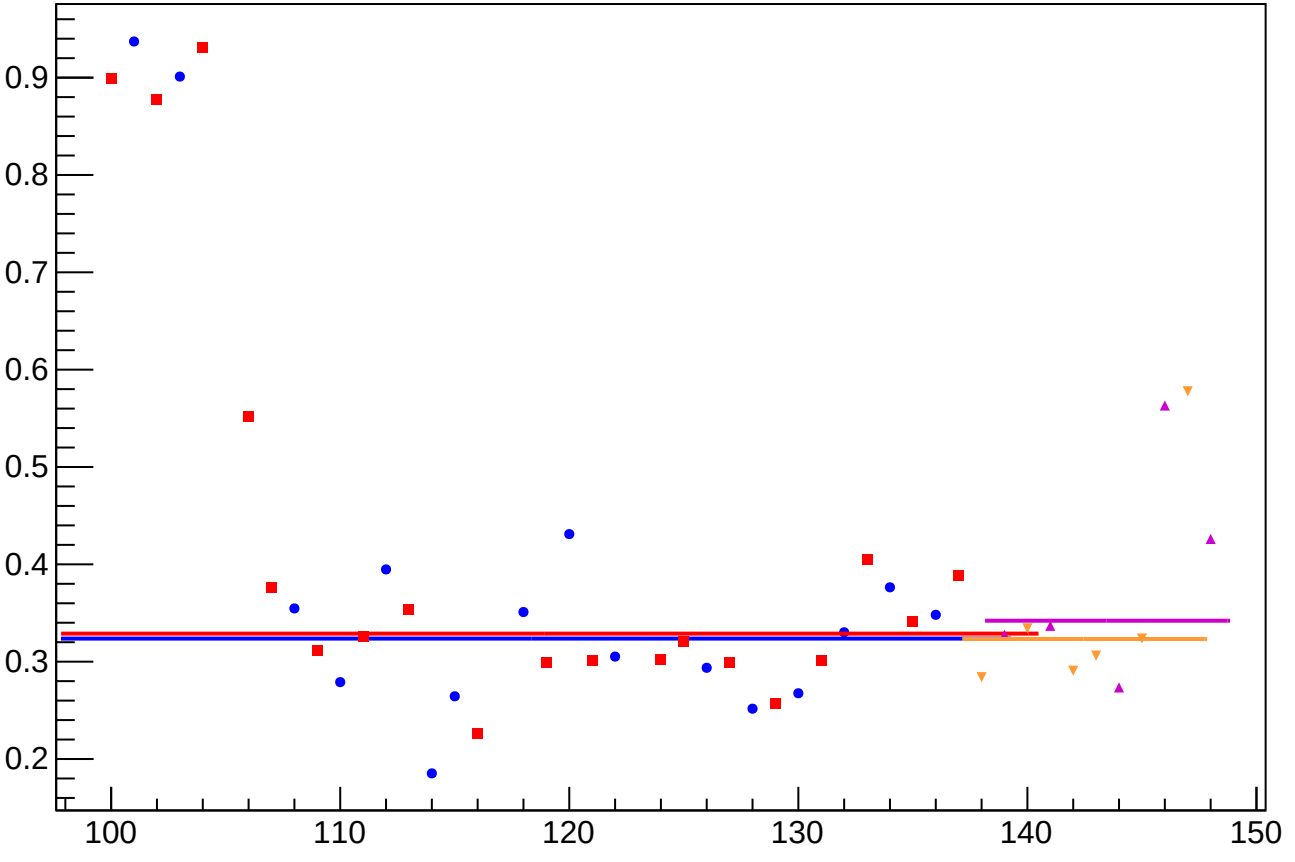
Left In: 148.441+/-0.000 χ^2/NDF:239251.9/4

+ sign 145.990+/-0.000 χ^2/NDF: 4134383504.0/21

All: 145.972+/-0.000 χ^2/NDF: 8747269801.6

- sign 145.953+/-0.000 χ^2/NDF: 4612824402.0/23

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

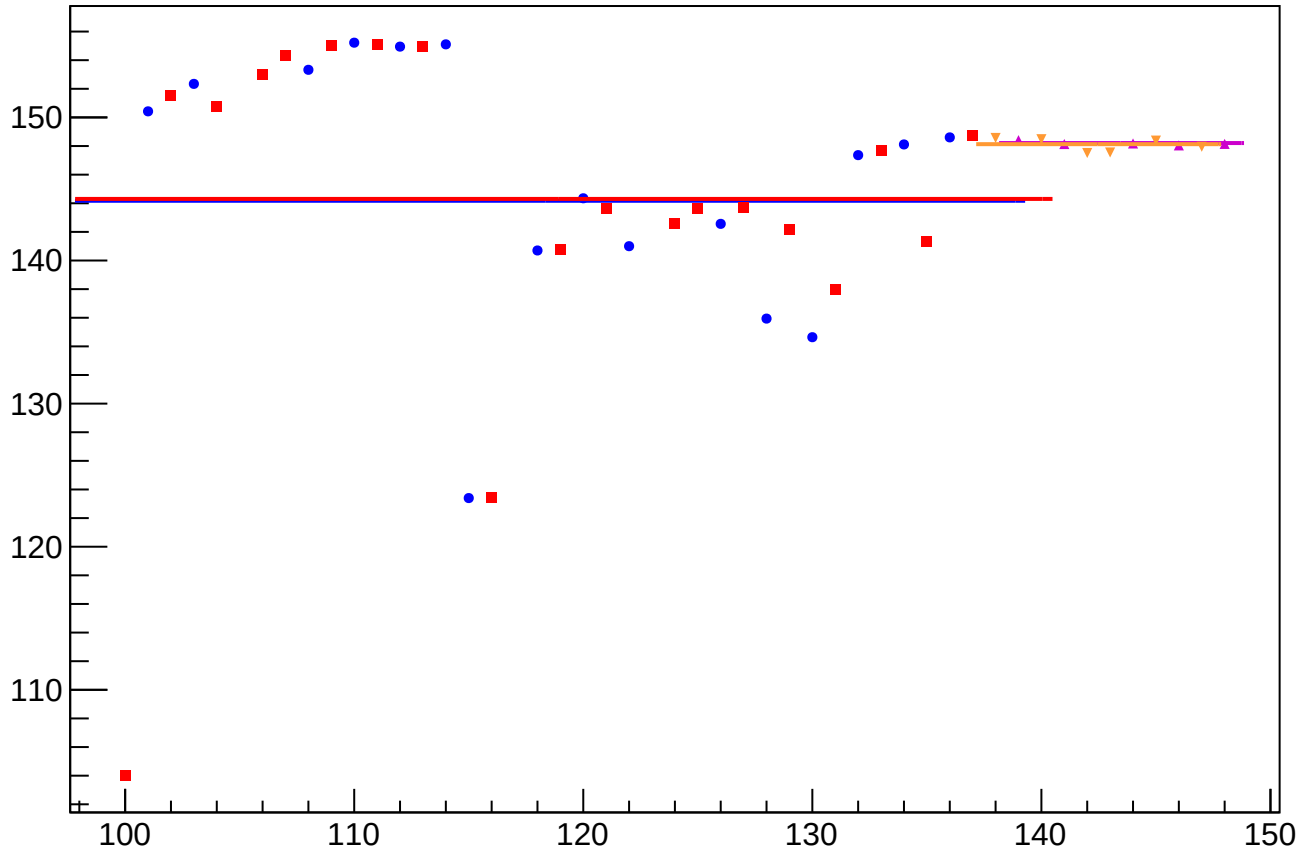
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.342+/-0.000 χ^2/NDF:431453.6/4

+ sign 0.324+/-0.000 χ^2/NDF: 1736823.1/21

All: 0.328+/-0.000 χ^2/NDF: 3488575.8/45

- sign 0.334+/-0.000 χ^2/NDF: 1742074.2/23



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

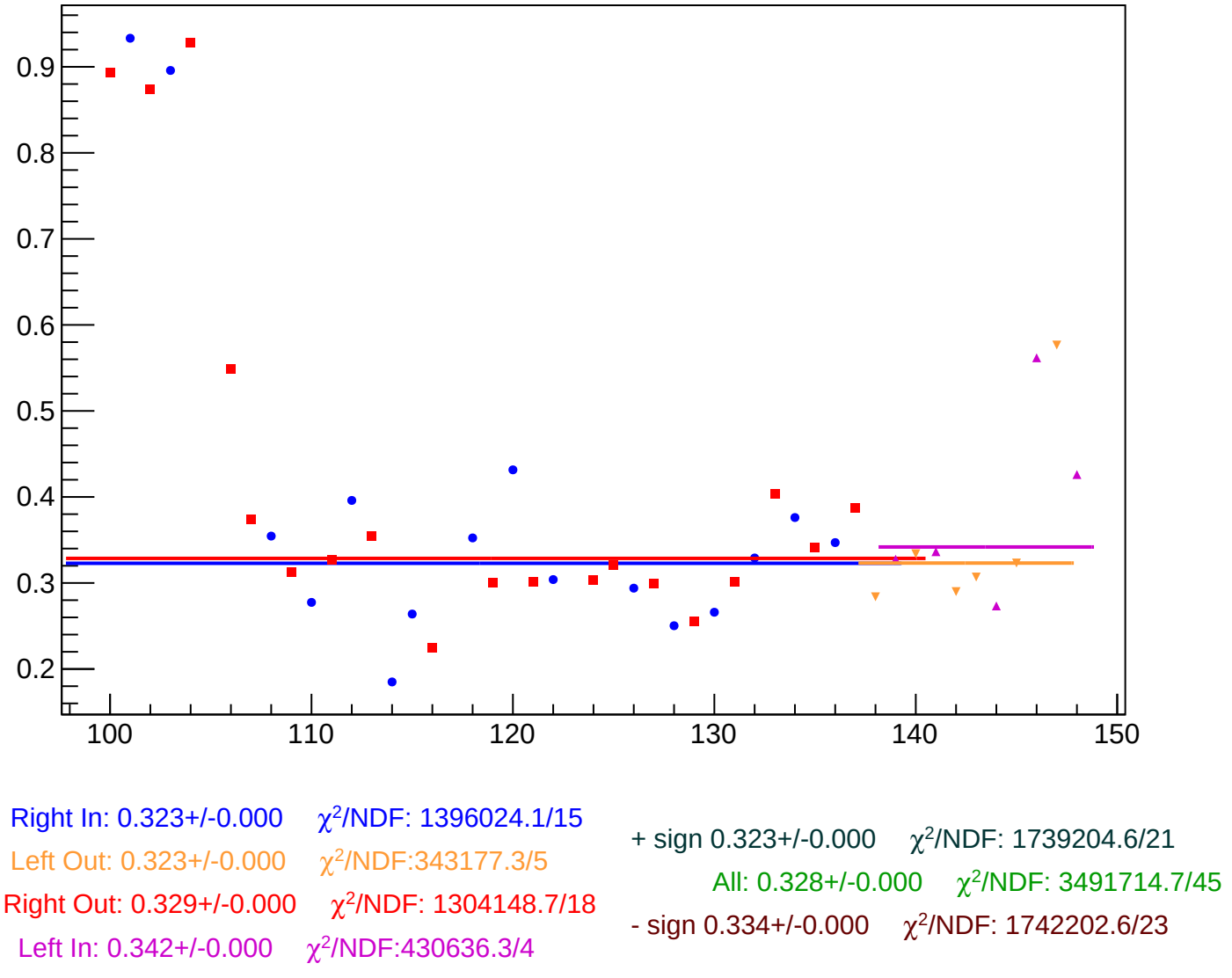
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

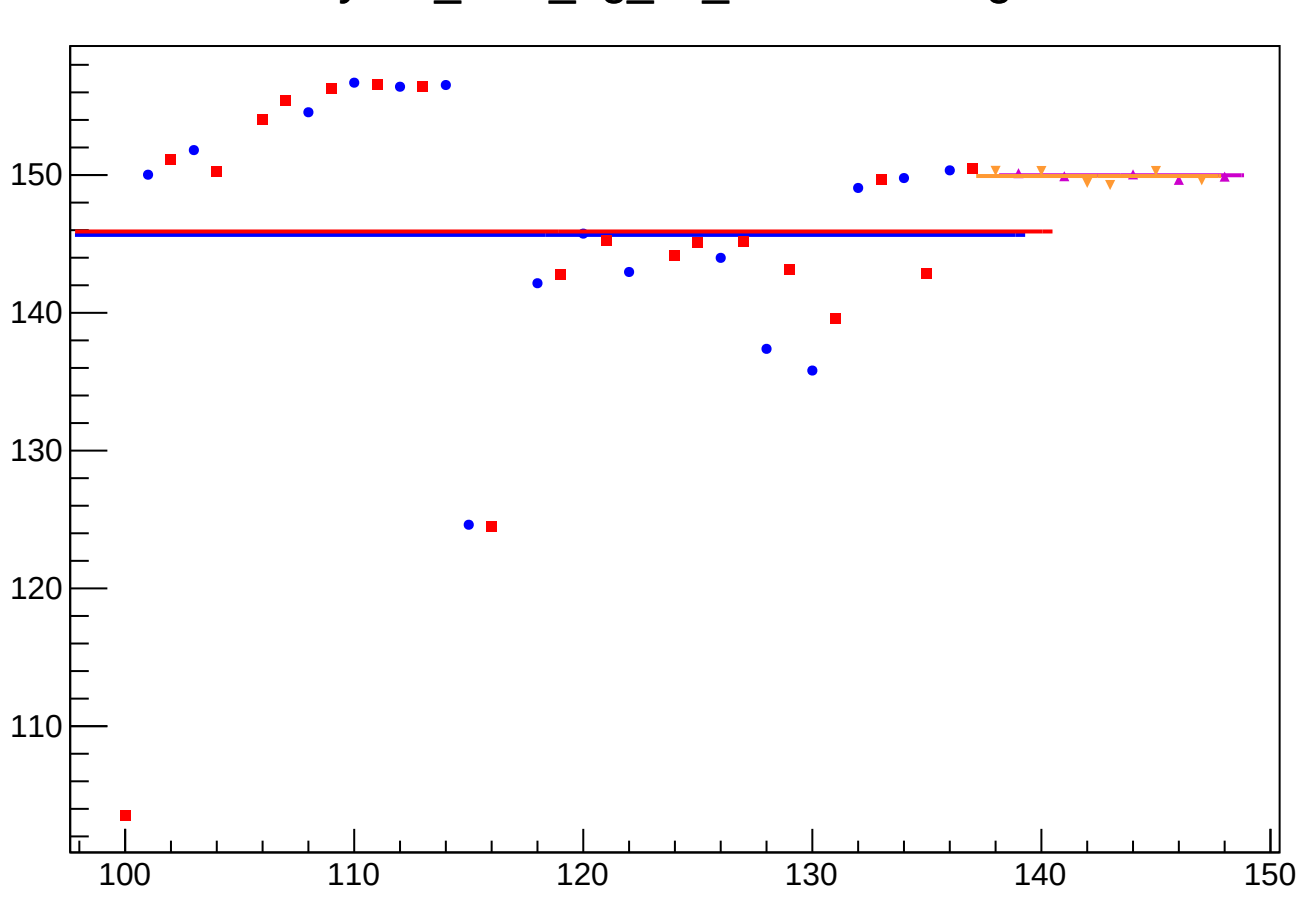
Left In: 148.209+/-0.000 χ^2/NDF:440457.7/4

+ sign 145.789+/-0.000 χ^2/NDF: 4096677753.7/21

All: 145.775+/-0.000 χ^2/NDF: 8682631424.0

- sign 145.760+/-0.000 χ^2/NDF: 4585914495.6/23


yield_bcm_an_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
Right In: 0.323+/-0.000 χ²/NDF: 1396024.1/15
Left Out: 0.323+/-0.000 χ²/NDF:343177.3/5
Right Out: 0.329+/-0.000 χ²/NDF: 1304148.7/18
Left In: 0.342+/-0.000 χ²/NDF:430636.3/4
+ sign 0.323+/-0.000 χ²/NDF: 1739204.6/21
All: 0.328+/-0.000 χ²/NDF: 3491714.7/45
- sign 0.334+/-0.000 χ²/NDF: 1742202.6/23



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

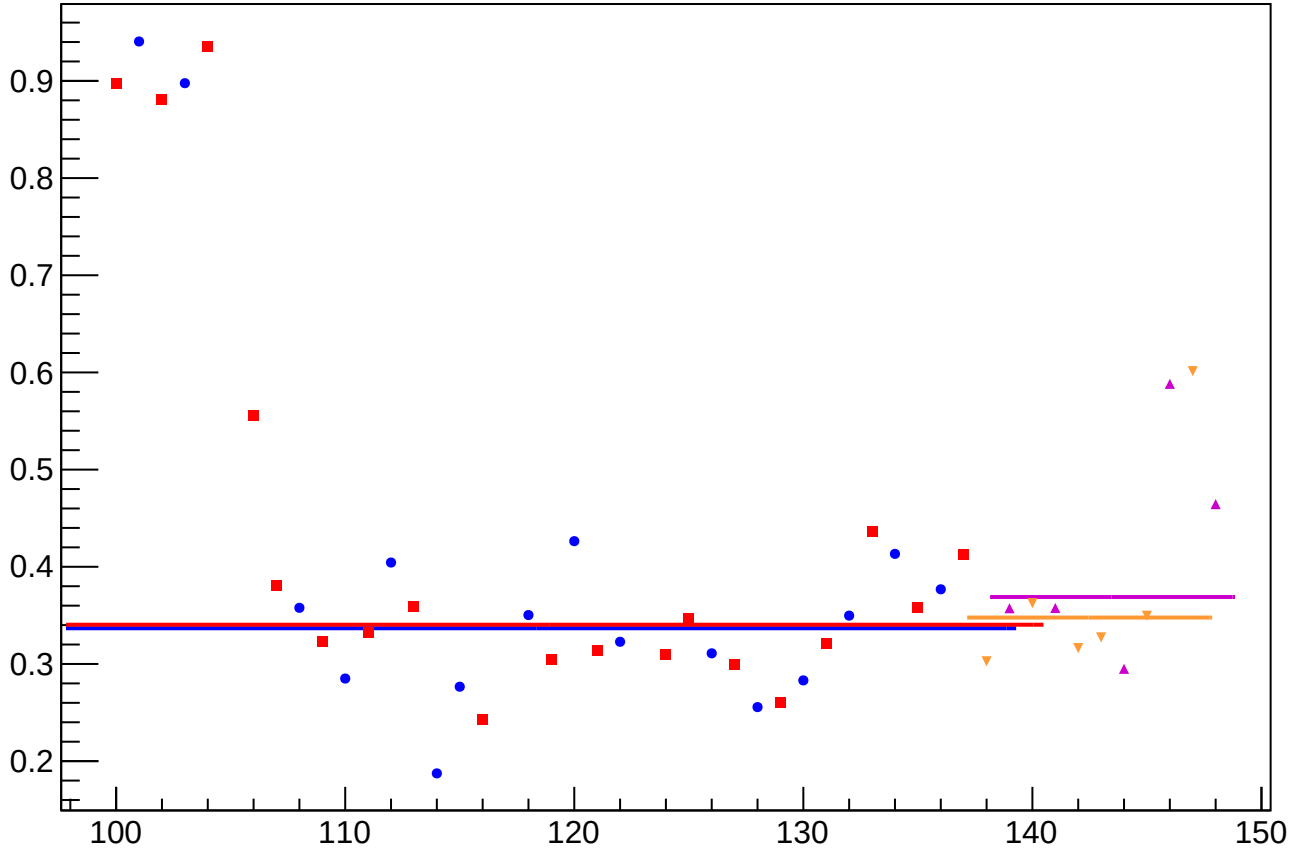
Left In: 149.984+/-0.000 χ^2/NDF:522380.3/4

+ sign 147.328+/-0.000 χ^2/NDF: 3862874265.6/21

All: 147.339+/-0.000 χ^2/NDF: 8036582900.3

- sign 147.350+/-0.000 χ^2/NDF: 4173687104.3/23

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

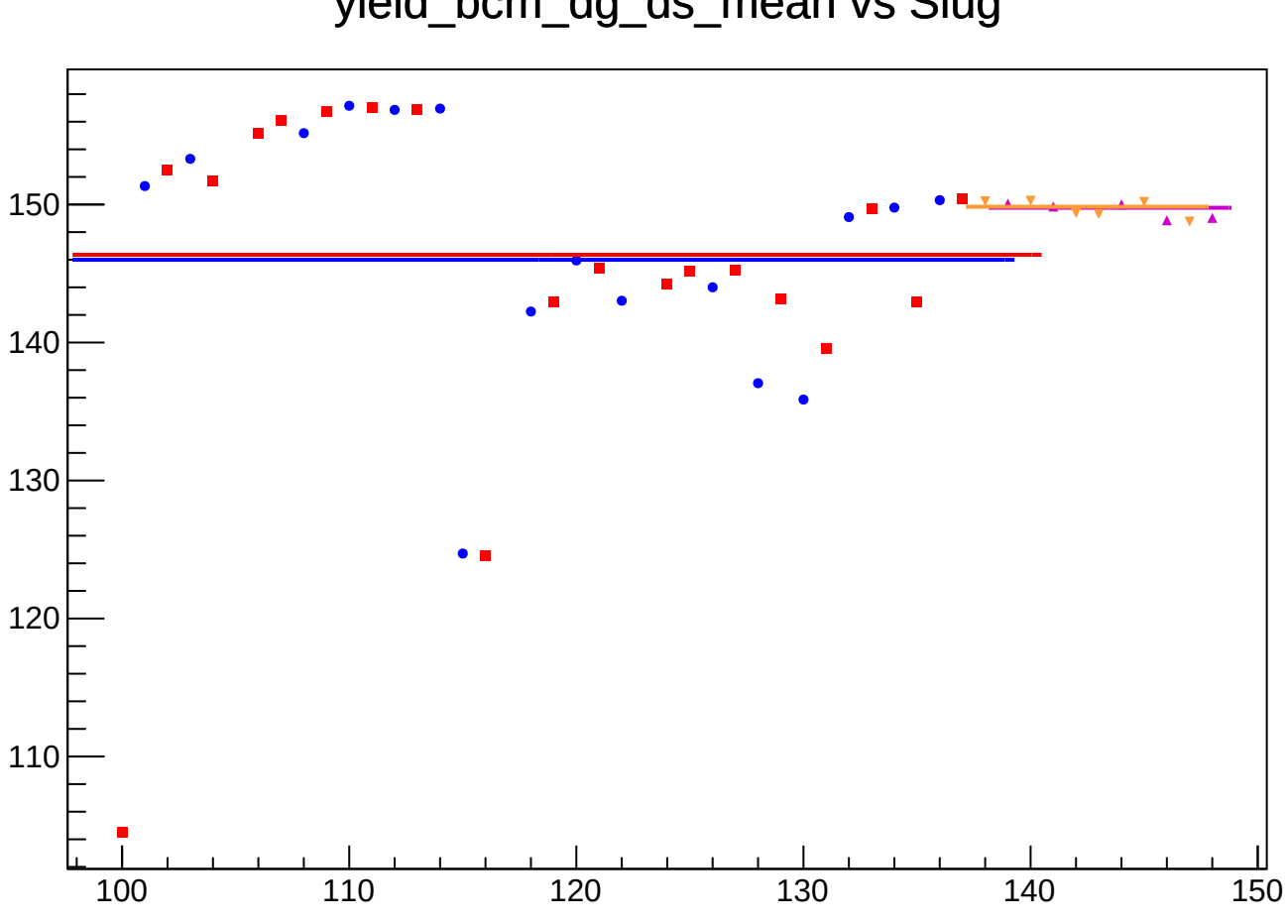
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.369+/-0.000 χ^2/NDF:410757.5/4

+ sign 0.341+/-0.000 χ^2/NDF: 1697985.6/21

All: 0.346+/-0.000 χ^2/NDF: 3421209.6/45

- sign 0.350+/-0.000 χ^2/NDF: 1715770.9/23



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.840+/-0.000 χ^2/NDF:8512108.7/5

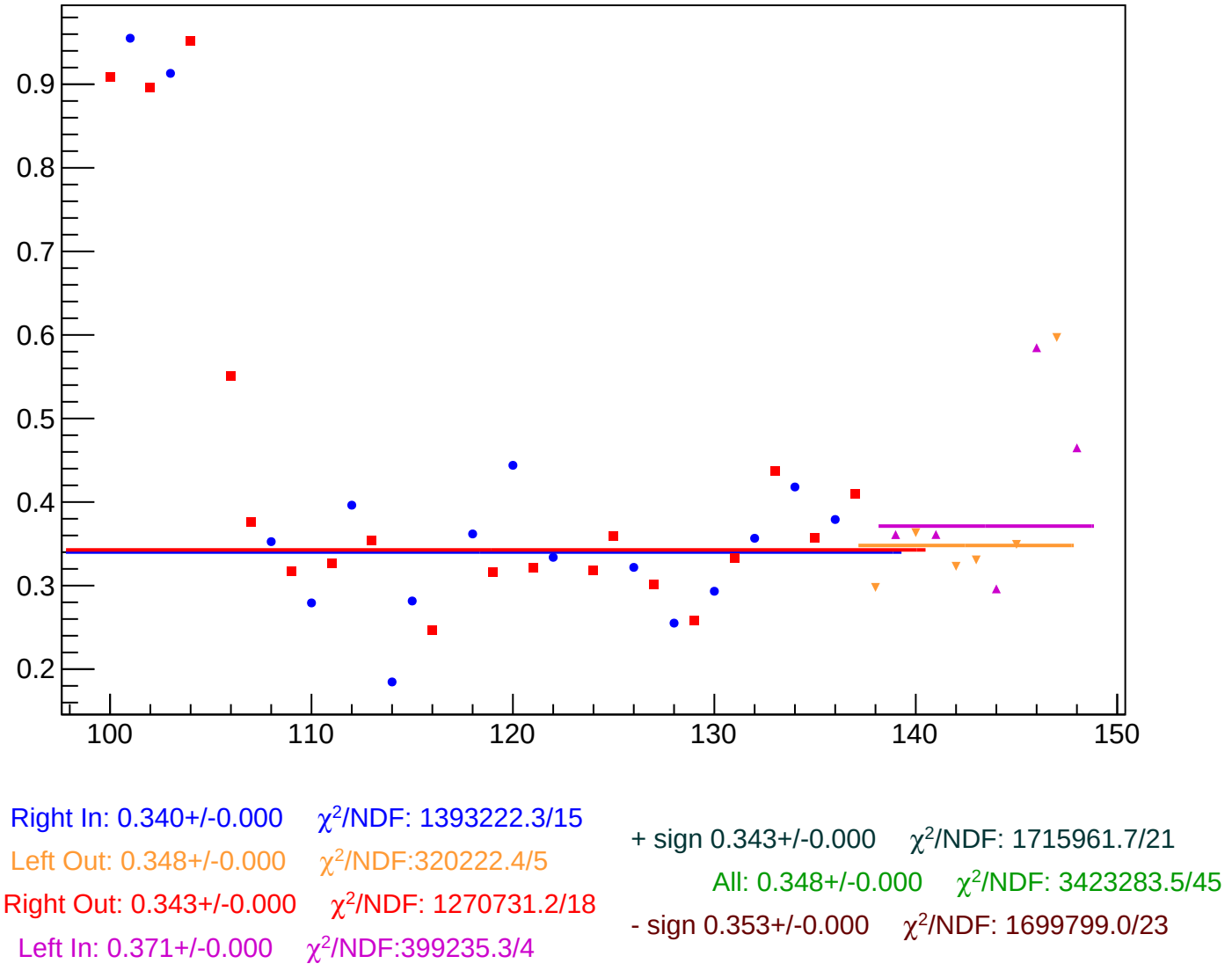
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.764+/-0.000 χ^2/NDF:5126976.7/4

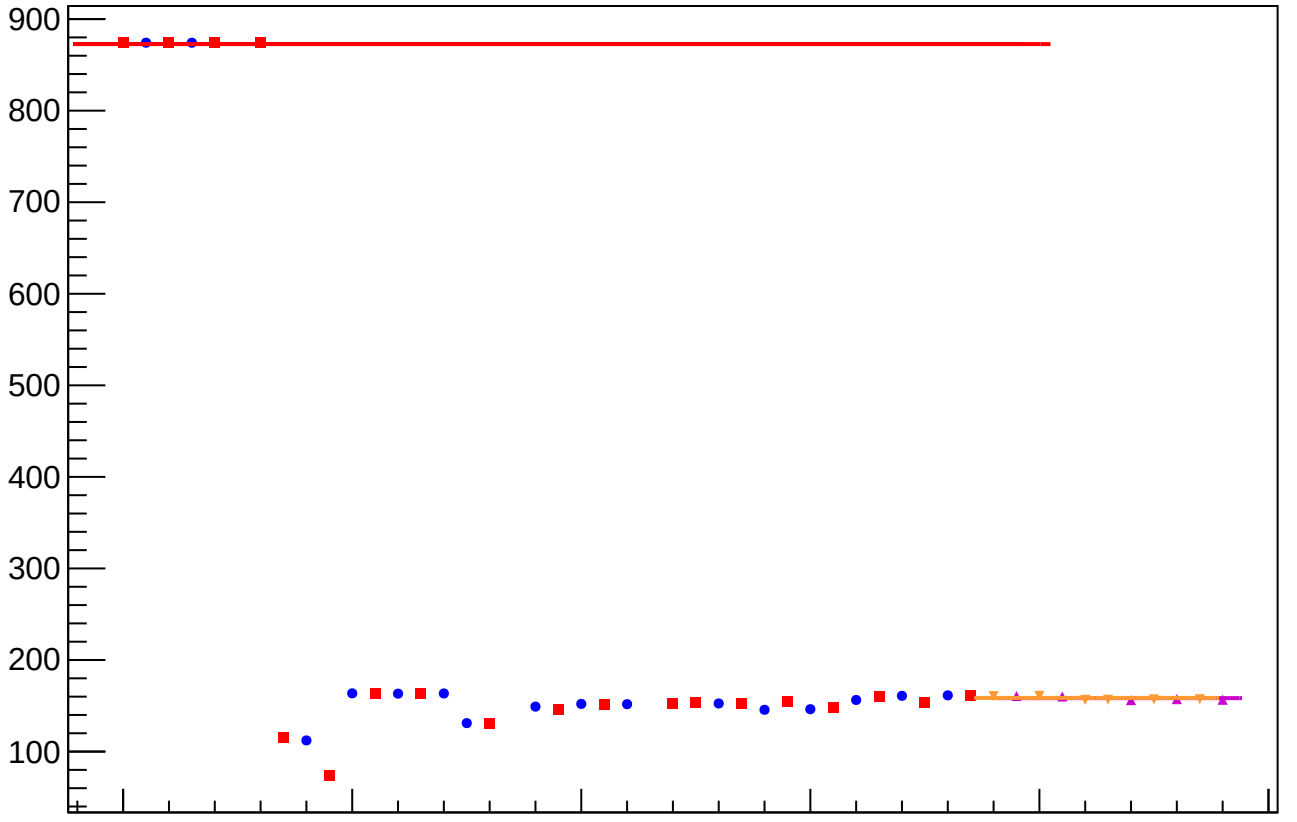
+ sign 147.514+/-0.000 χ^2/NDF: 3929951370.4/21

All: 147.539+/-0.000 χ^2/NDF: 8111256329.7

- sign 147.567+/-0.000 χ^2/NDF: 4181188303.8/23


yield_bcm_dg_ds_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
Right In: 0.340+/-0.000 χ²/NDF: 1393222.3/15
Left Out: 0.348+/-0.000 χ²/NDF:320222.4/5
Right Out: 0.343+/-0.000 χ²/NDF: 1270731.2/18
Left In: 0.371+/-0.000 χ²/NDF:399235.3/4
+ sign 0.343+/-0.000 χ²/NDF: 1715961.7/21
All: 0.348+/-0.000 χ²/NDF: 3423283.5/45
- sign 0.353+/-0.000 χ²/NDF: 1699799.0/23

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

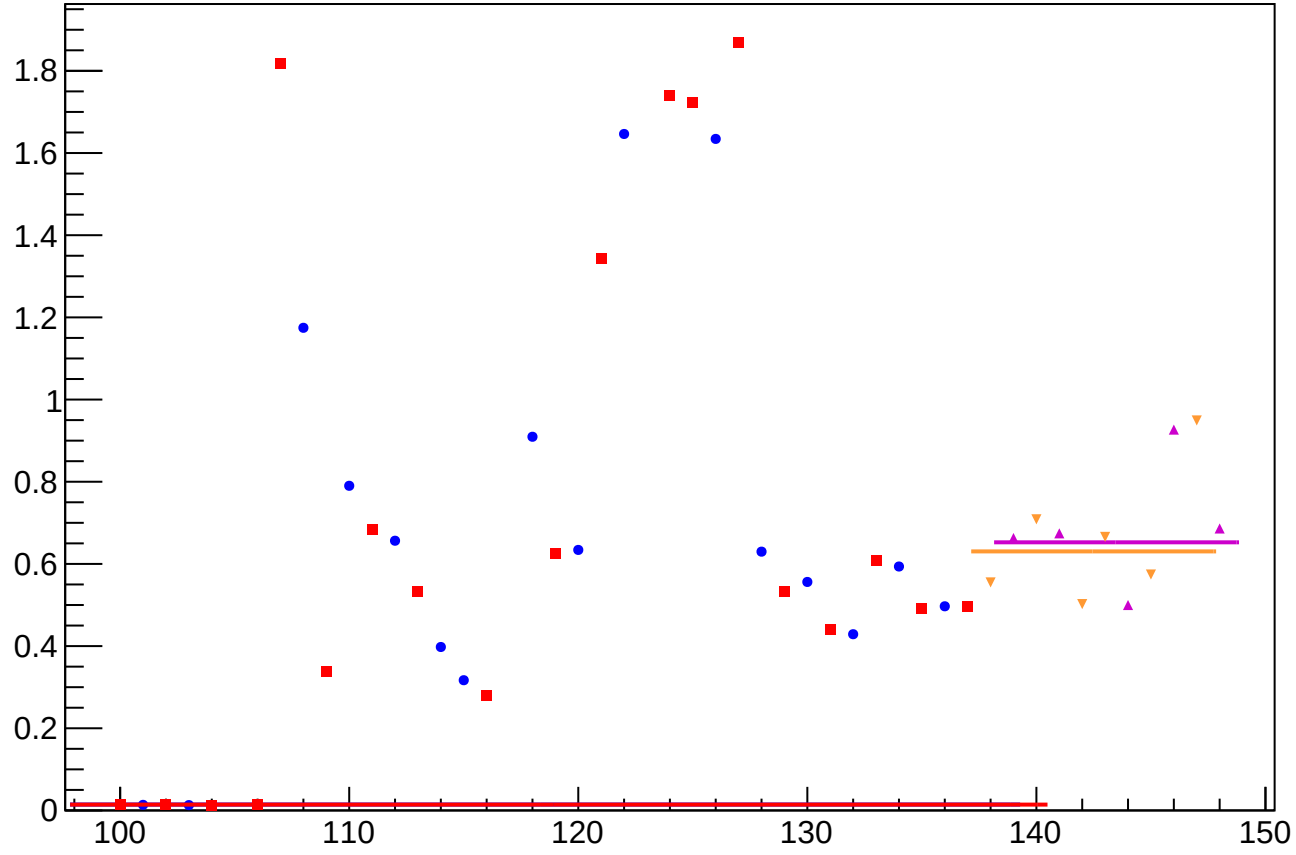
Left In: 158.372+/-0.000 χ^2/NDF:26049047.1/4

+ sign 872.094+/-0.000 χ^2/NDF: 10895525669563.

All: 872.096+/-0.000 χ^2/NDF: 234546034132

- sign 872.097+/-0.000 χ^2/NDF: 12559077701298.9

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

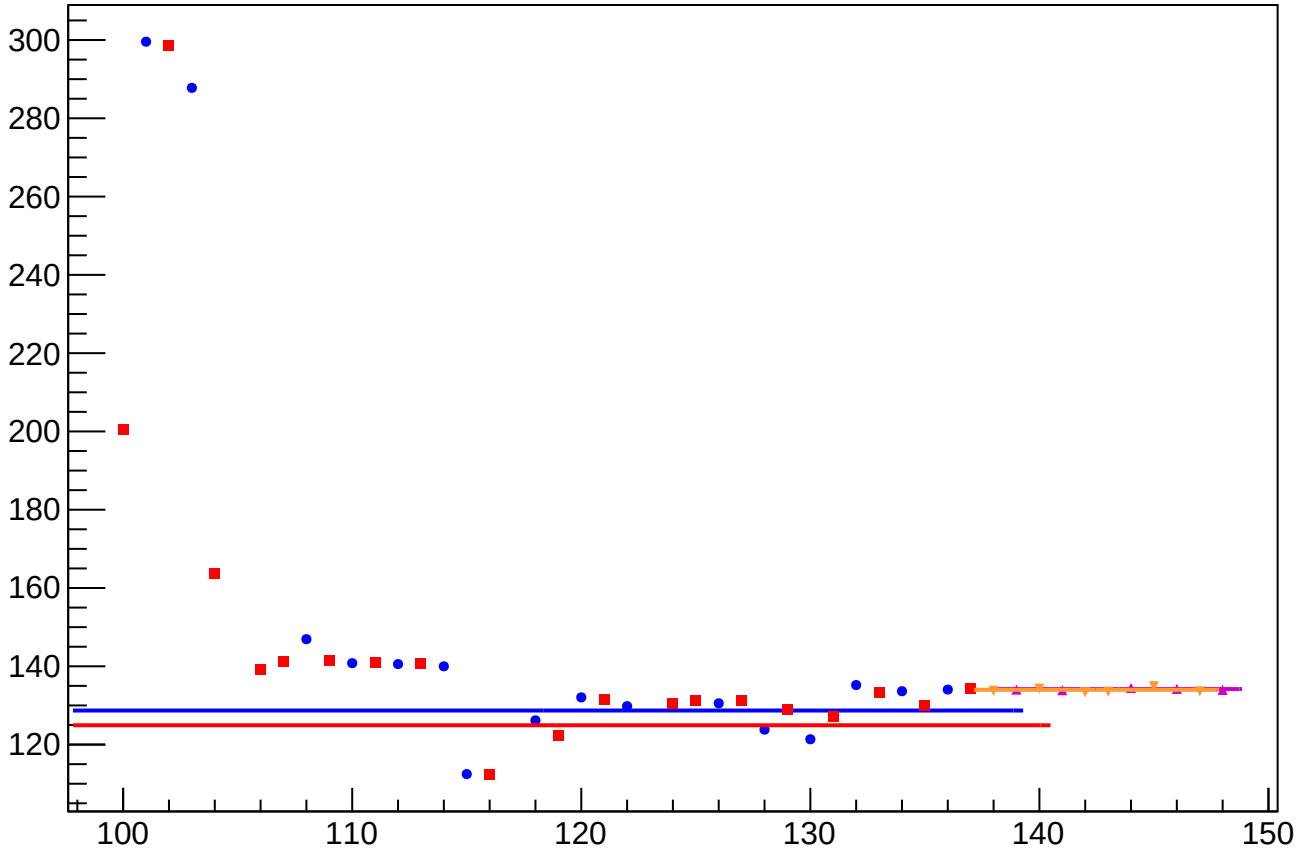
Left In: 0.653+/-0.000 χ^2/NDF:190385.4/4

+ sign 0.015+/-0.000 χ^2/NDF: 15338783.4/21

All: 0.015+/-0.000 χ^2/NDF: 30356819.2/45

- sign 0.015+/-0.000 χ^2/NDF: 15017551.2/23

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

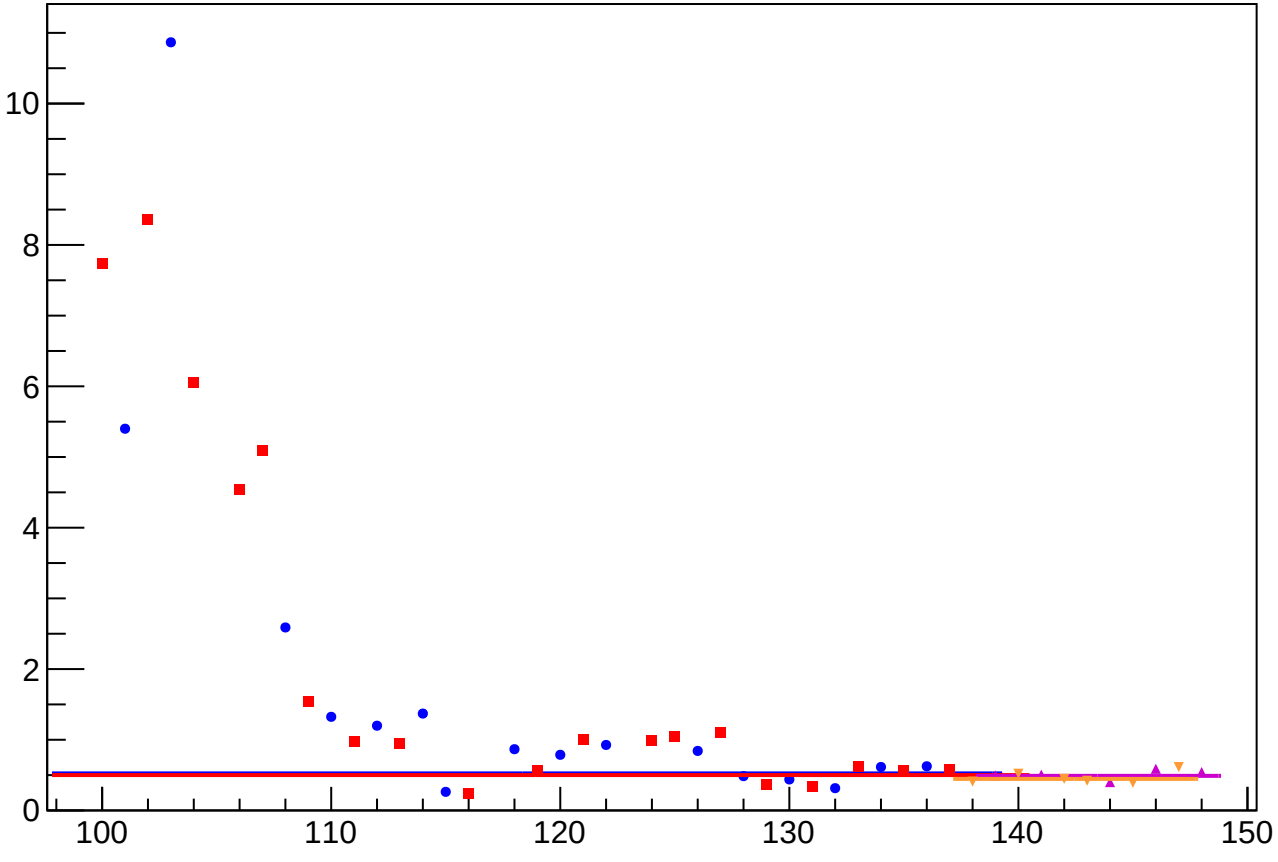
Left In: 134.185+/-0.000 χ^2/NDF:704578.7/4

+ sign 131.691+/-0.000 χ^2/NDF: 1874183031.1/21

All: 130.673+/-0.000 χ^2/NDF: 3939455719.0

- sign 129.559+/-0.000 χ^2/NDF: 1998623640.0/23

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

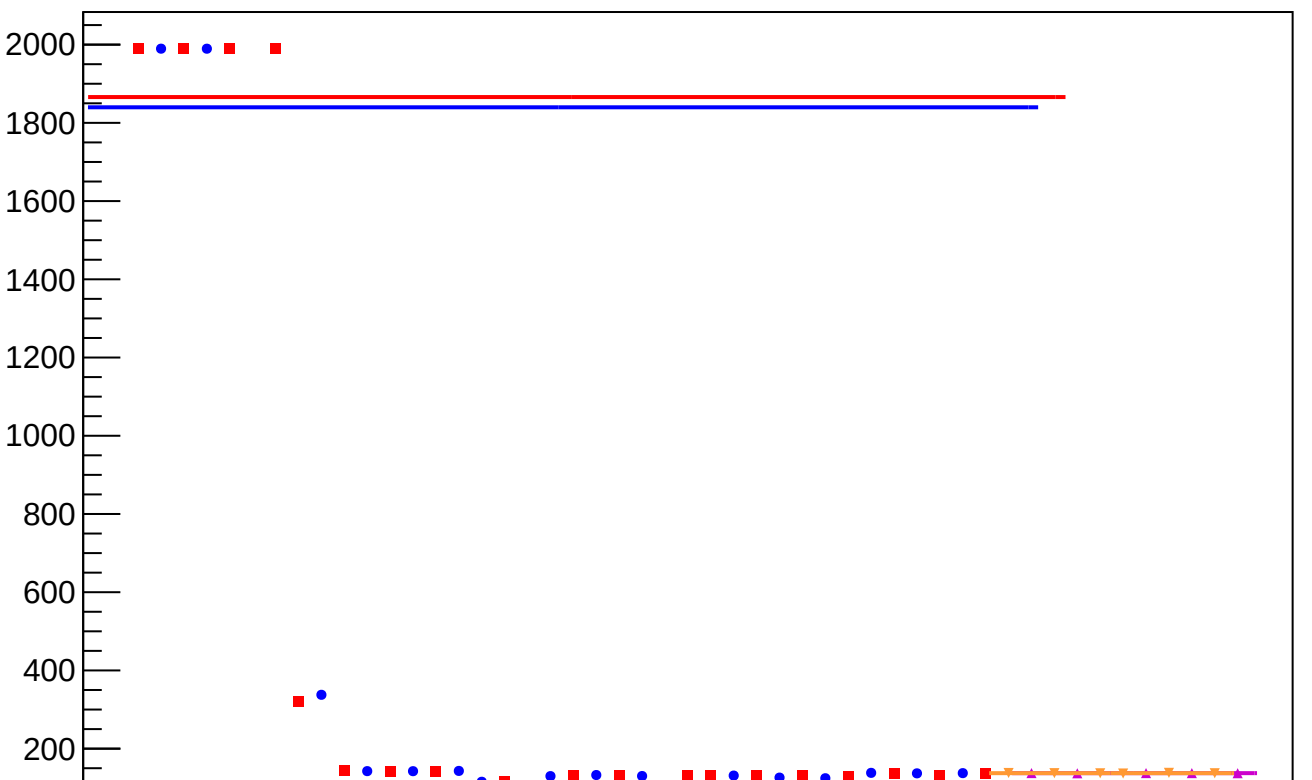
Left In: 0.490+/-0.000 χ^2/NDF:141328.4/4

+ sign 0.480+/-0.000 χ^2/NDF: 4402958.0/21

All: 0.487+/-0.000 χ^2/NDF: 9436498.8/45

- sign 0.495+/-0.000 χ^2/NDF: 5027163.7/23

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

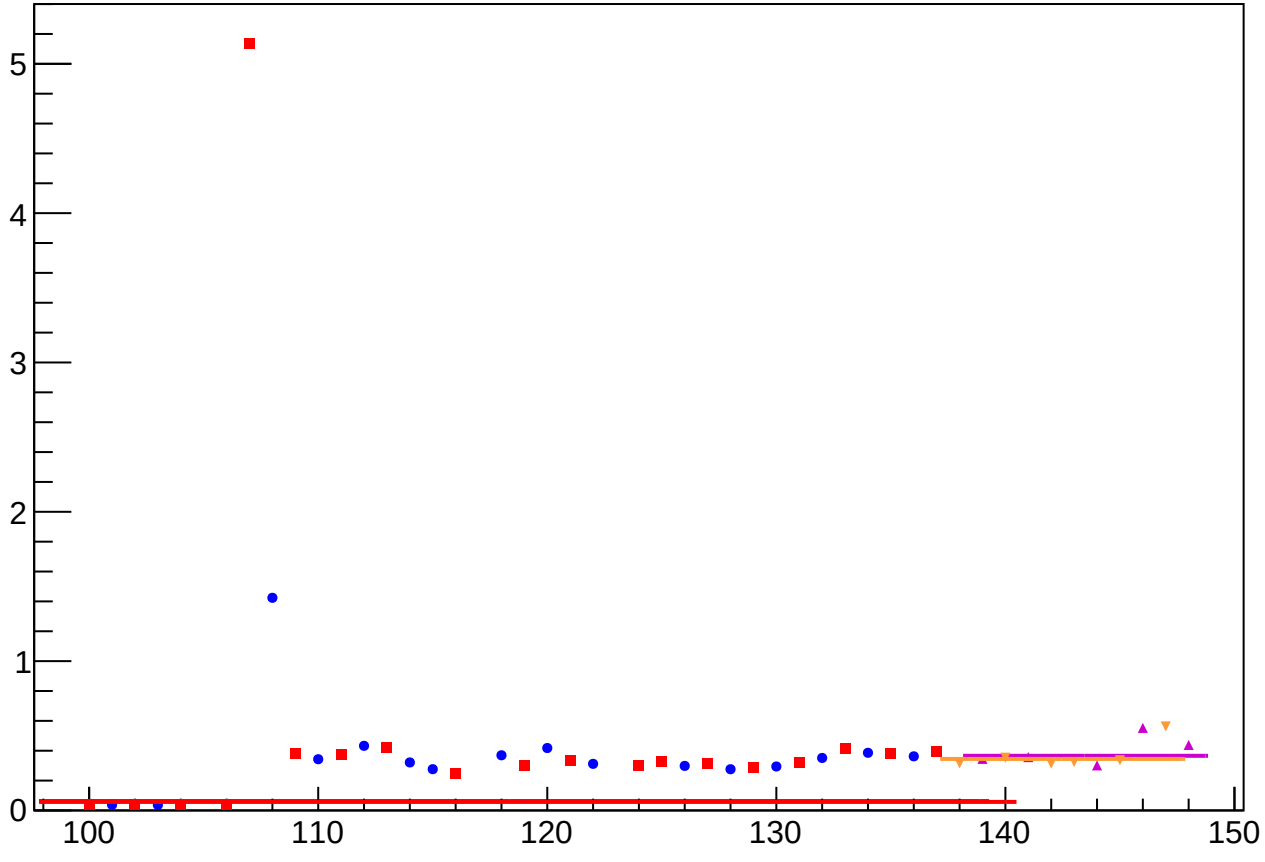
Left In: 137.394+/-0.000 χ^2/NDF:1444791.5/4

+ sign 1741.230+/-0.000 χ^2/NDF: 24160514883247

All: 1768.204+/-0.000 χ^2/NDF: 4707218762

- sign 1791.671+/-0.000 χ^2/NDF: 22829306034110

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

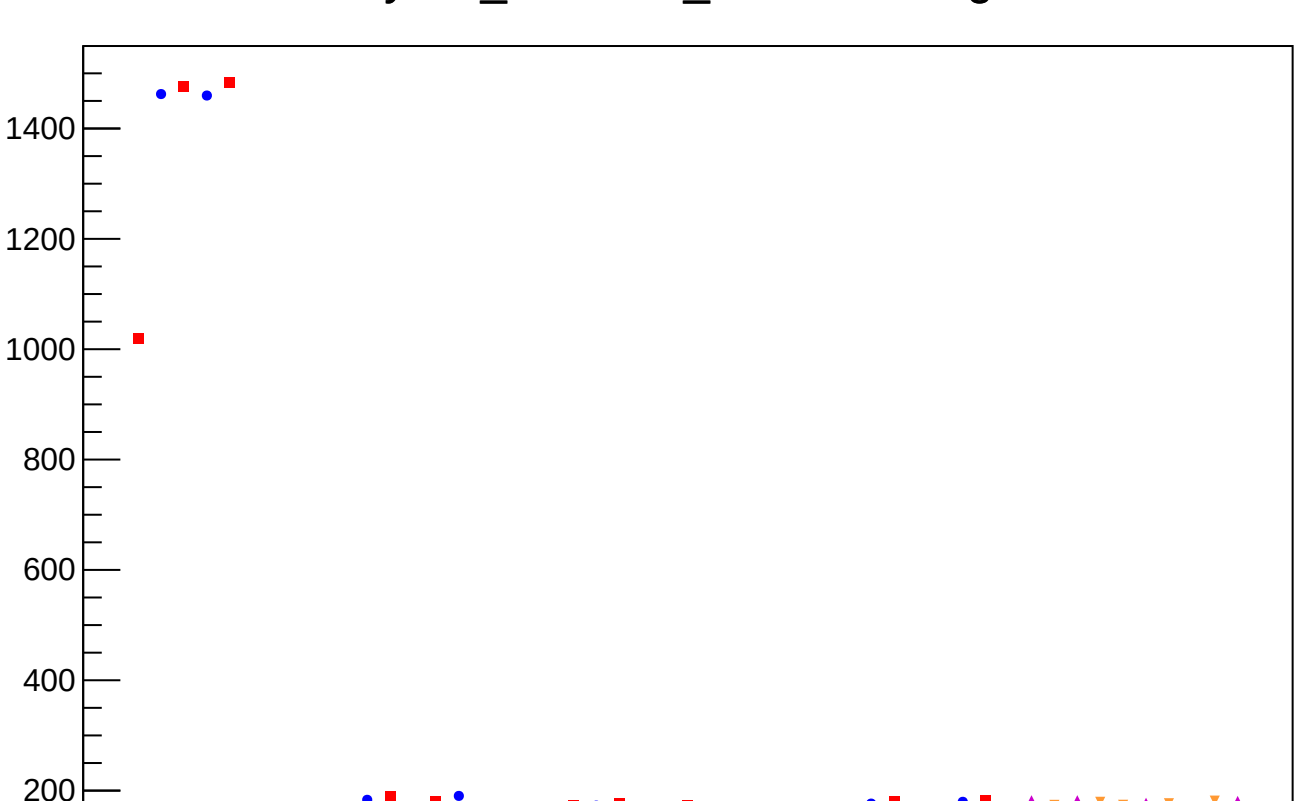
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.366+/-0.000 χ^2/NDF:322098.6/4

+ sign 0.078+/-0.000 χ^2/NDF: 13736607.8/21

All: 0.074+/-0.000 χ^2/NDF: 27295091.7/45

- sign 0.071+/-0.000 χ^2/NDF: 13520910.0/23



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

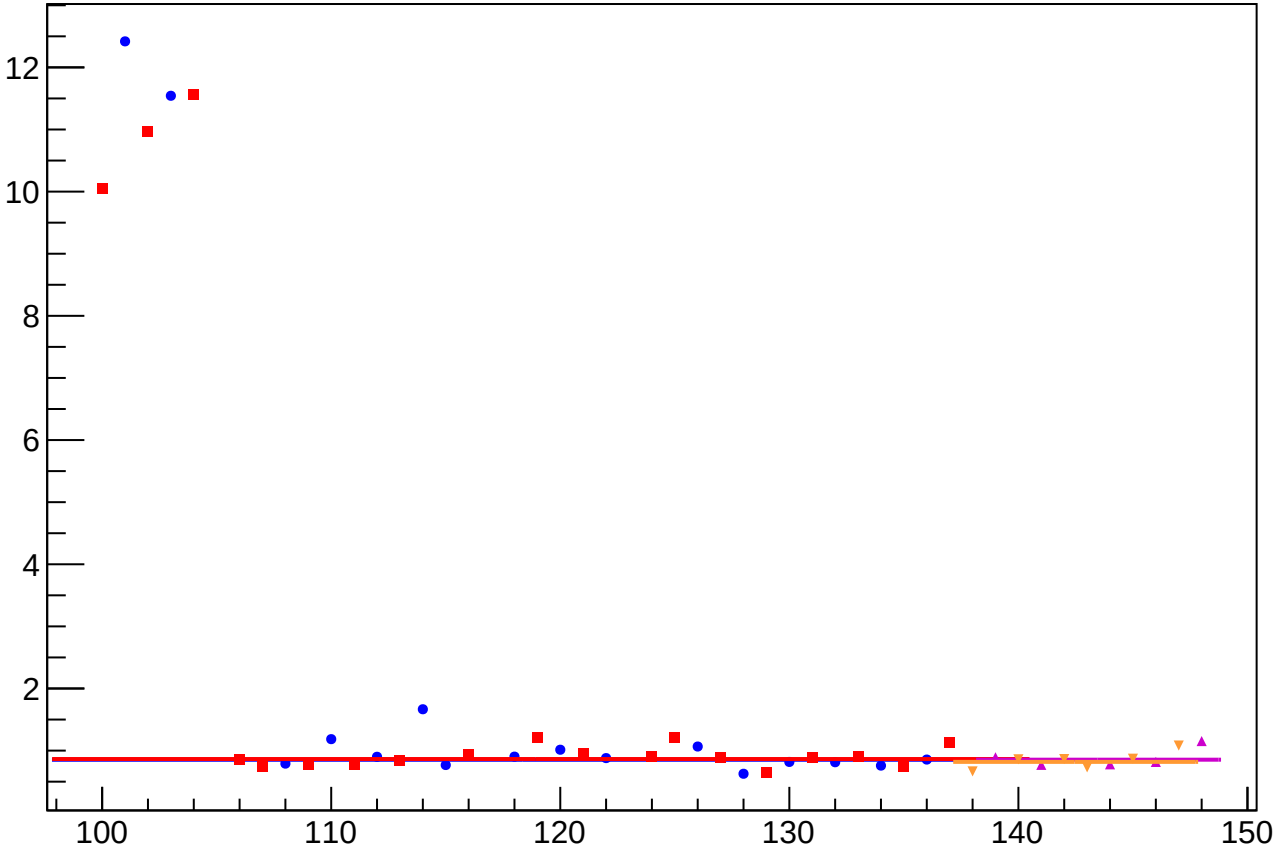
Left In: 174.933+/-0.001 χ^2/NDF:351875667.9/4

+ sign 169.946+/-0.000 χ^2/NDF: 14828681175.8/21

All: 170.728+/-0.000 χ^2/NDF: 31578371334.

- sign 171.502+/-0.000 χ^2/NDF: 16738843837.2/23

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

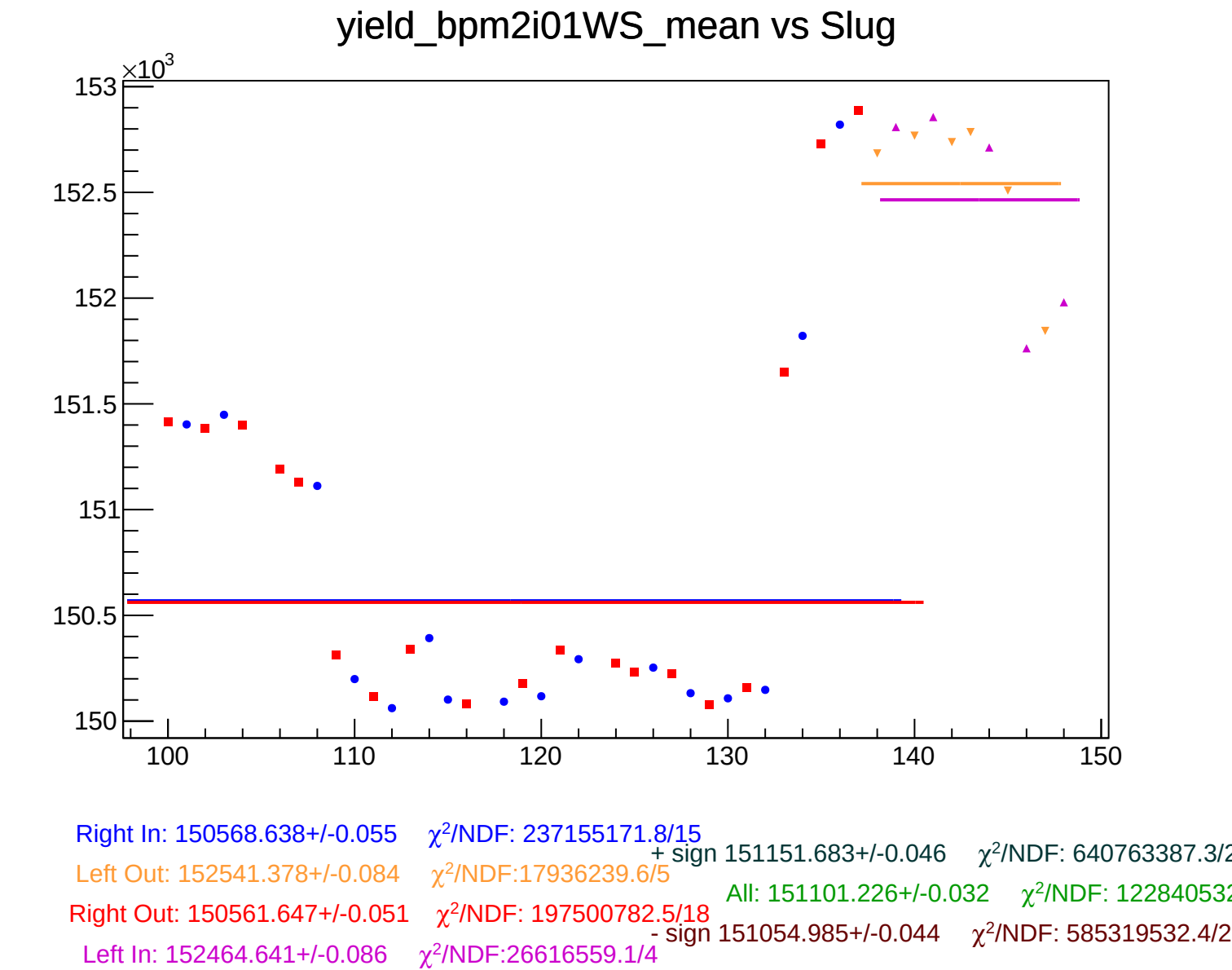
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.854+/-0.000 χ^2/NDF:105844.6/4

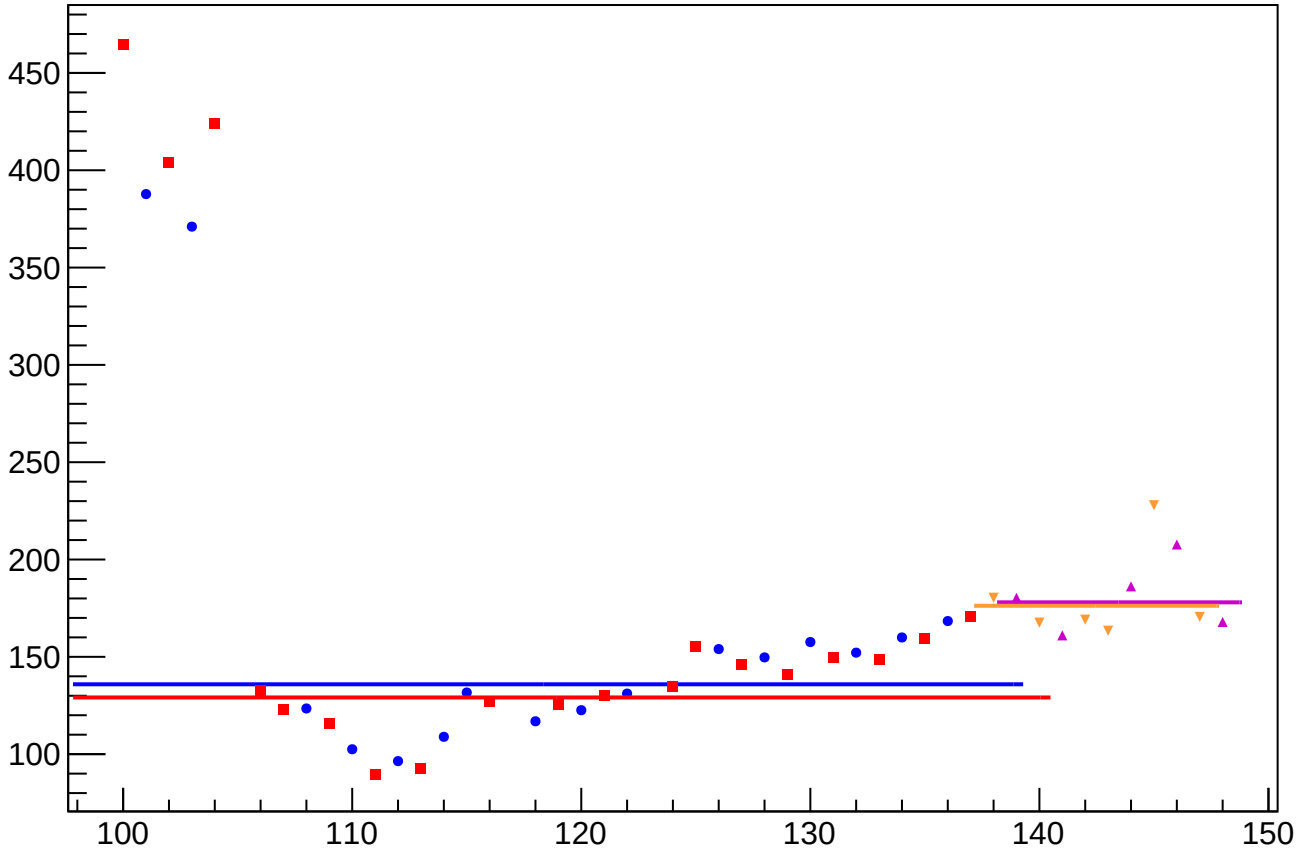
+ sign 0.839+/-0.000 χ^2/NDF: 2436590.4/21

All: 0.850+/-0.000 χ^2/NDF: 4756138.1/45

- sign 0.860+/-0.000 χ^2/NDF: 2315555.2/23


yield_bpm2i01WS_mean vs Slug
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
150
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: 152464.641+/-0.086 χ²/NDF:26616559.1/4
+ sign 151151.683+/-0.046 χ²/NDF: 640763387.3/2
All: 151101.226+/-0.032 χ²/NDF: 12284053
- sign 151054.985+/-0.044 χ²/NDF: 585319532.4/2

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

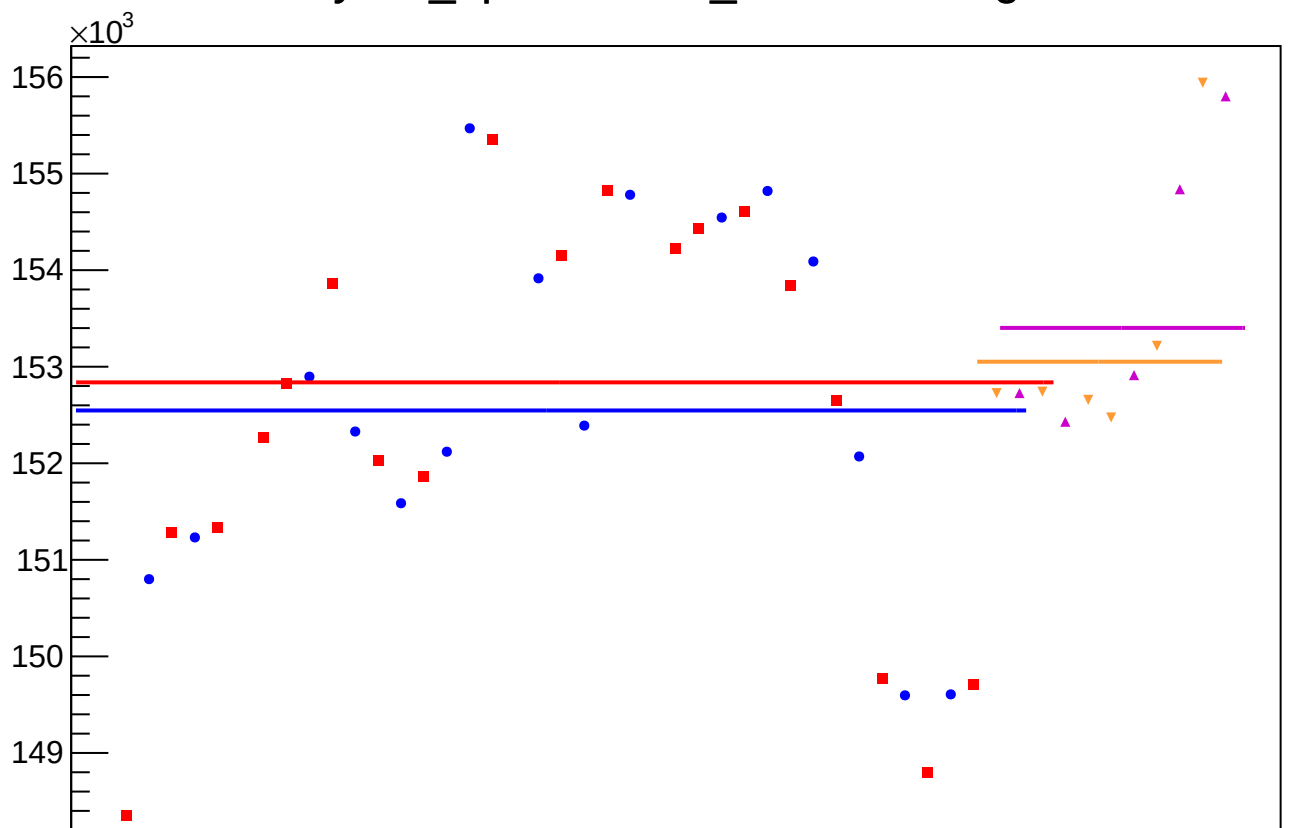
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

+ sign 147.821+/-0.032 χ^2/NDF: 1840121.5/21

All: 144.679+/-0.022 χ^2/NDF: 4013637.9/45

- sign 141.800+/-0.031 χ^2/NDF: 2155511.7/23



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

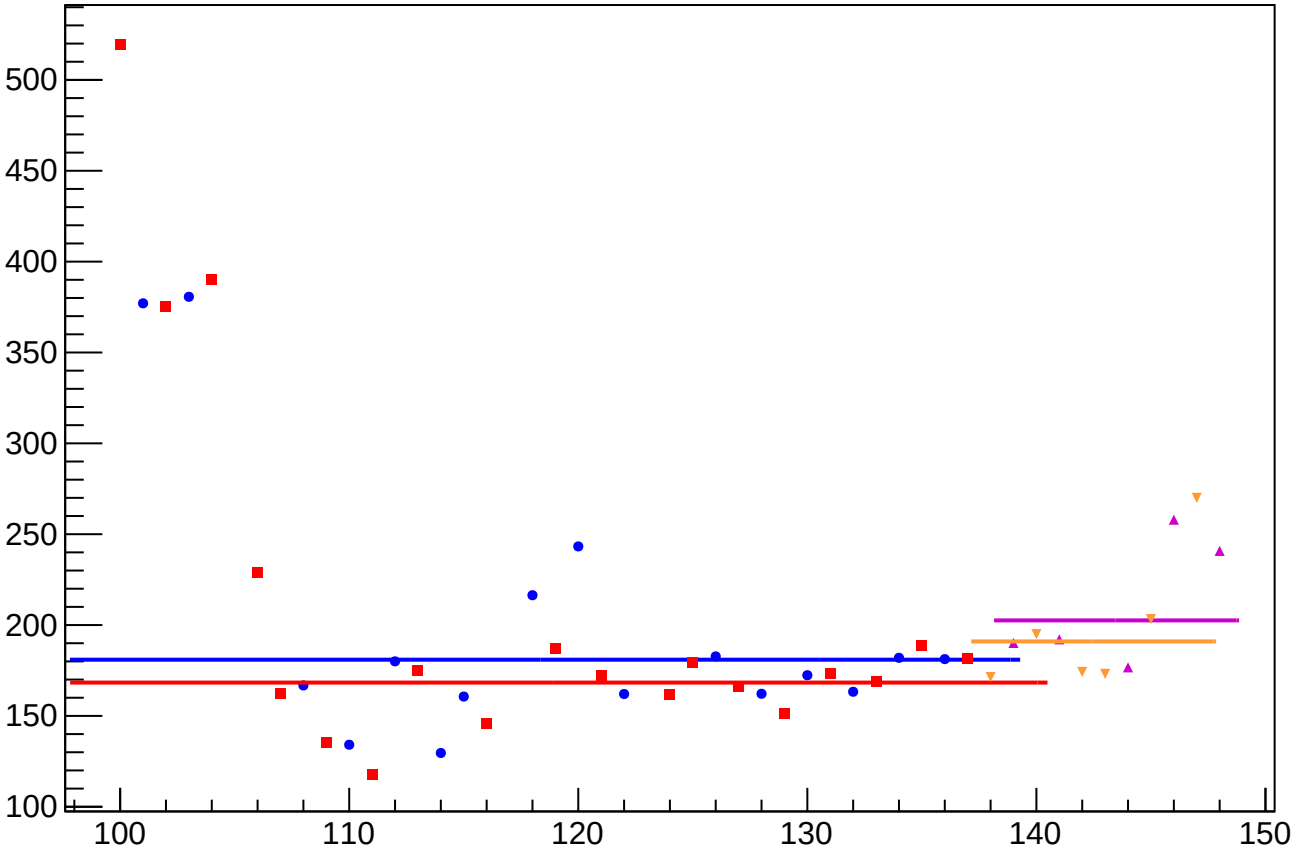
Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

+ sign 152740.047+/-0.057 χ^2/NDF: 783121196.6/2

All: 152881.310+/-0.040 χ^2/NDF: 17011329

- sign 153013.912+/-0.055 χ^2/NDF: 906131920.5/2

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

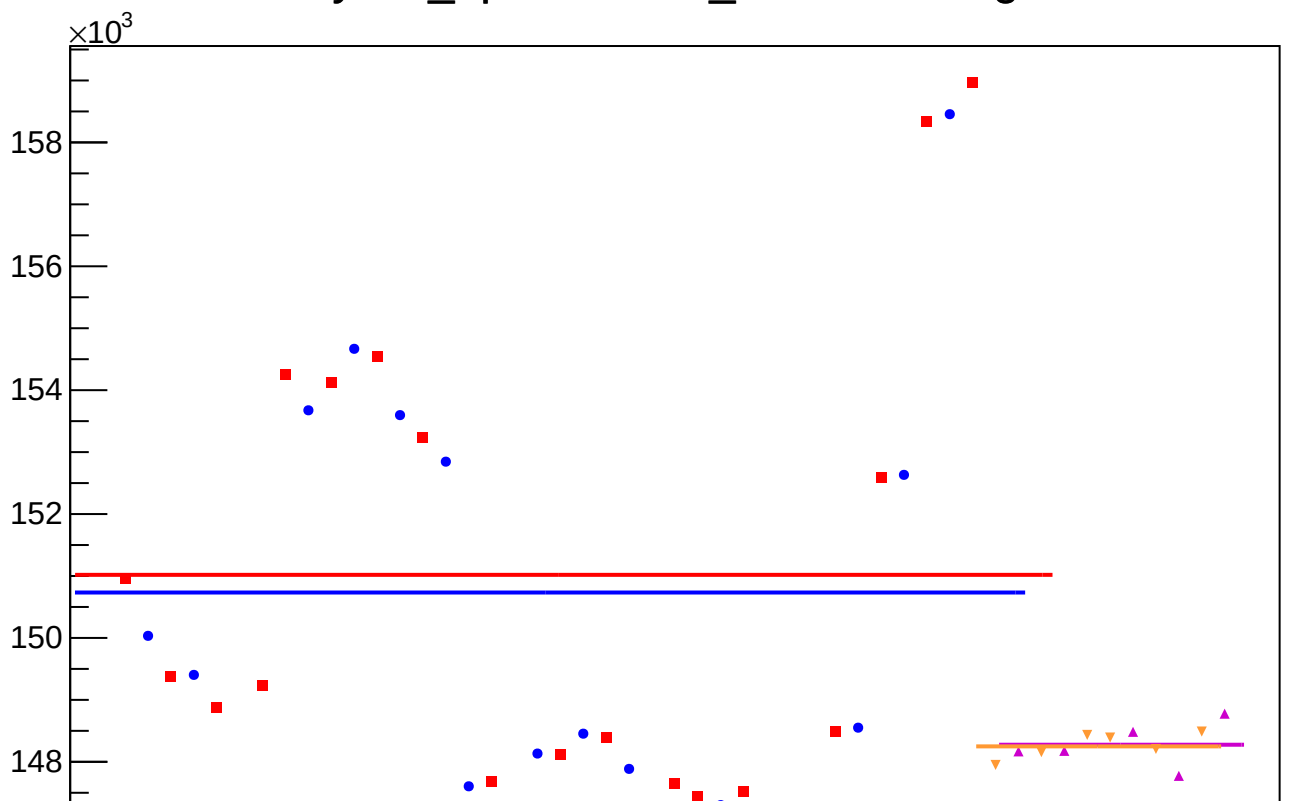
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

+ sign 184.781+/-0.040 χ^2/NDF: 1113623.3/21

All: 181.813+/-0.028 χ^2/NDF: 2549357.9/45

- sign 179.026+/-0.039 χ^2/NDF: 1425243.1/23



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

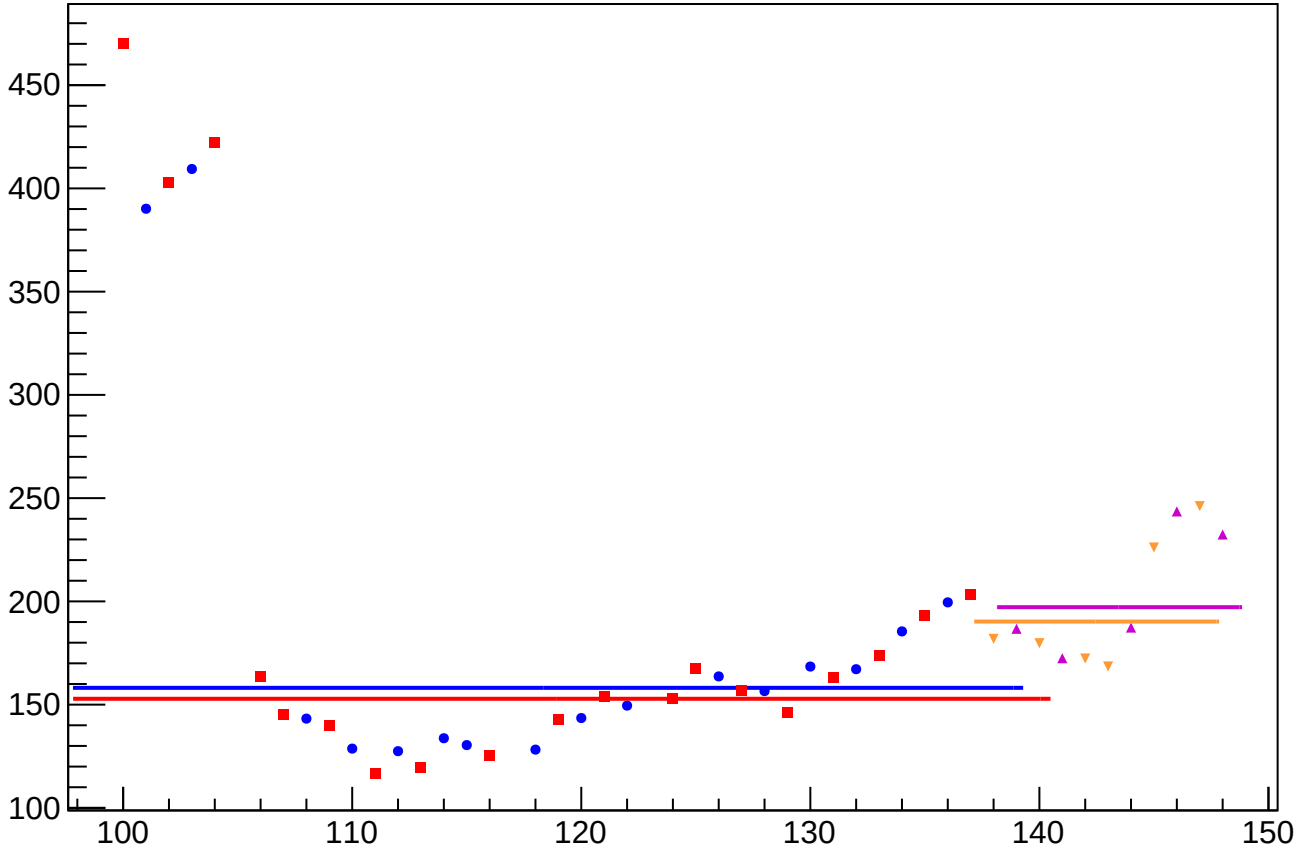
Left In: 148275.800+/-0.096 χ^2/NDF:9256224.8/4

+ sign 149934.730+/-0.052 χ^2/NDF: 3789436519.0

All: 150092.904+/-0.036 χ^2/NDF: 76909438

- sign 150245.526+/-0.051 χ^2/NDF: 3883194437.9/

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

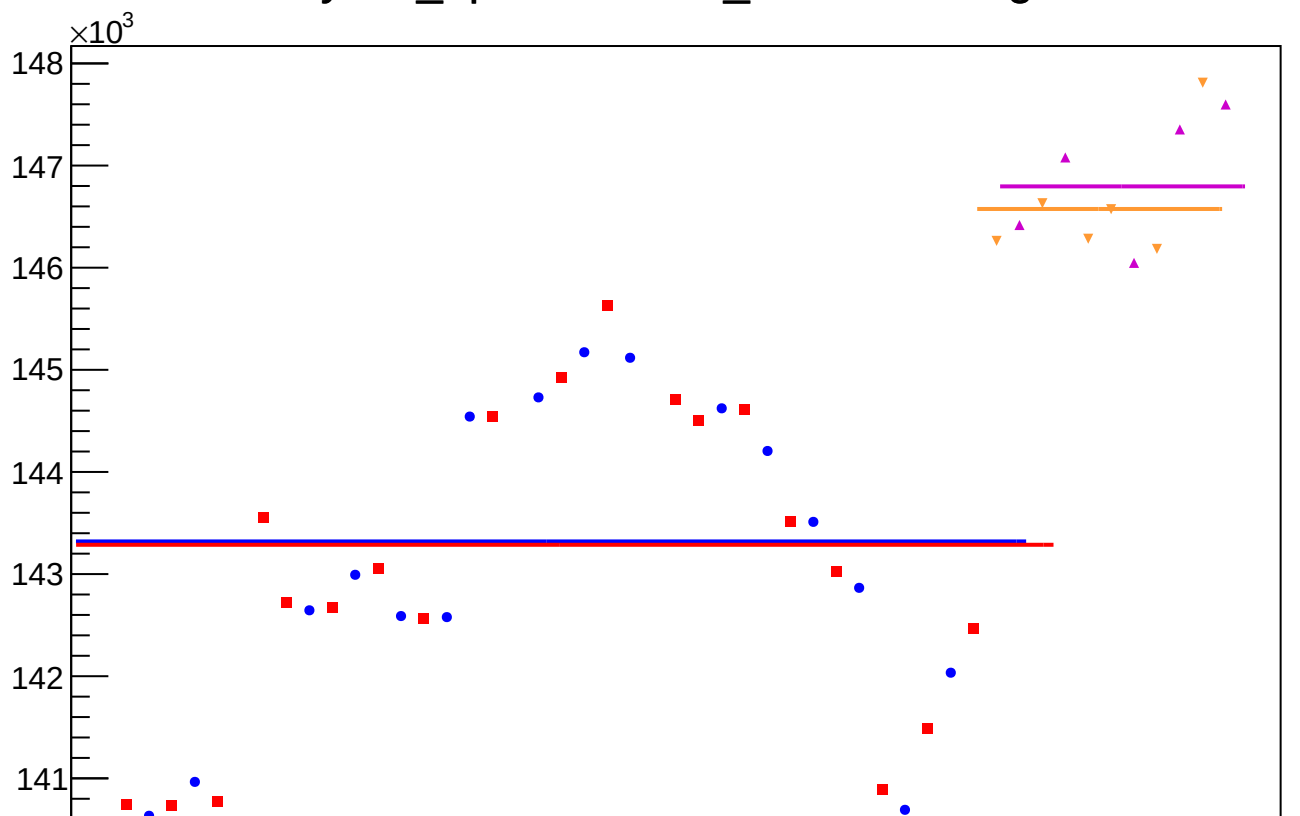
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.200+/-0.068 χ^2/NDF:147804.3/4

+ sign 168.454+/-0.037 χ^2/NDF: 1532587.2/21

All: 166.871+/-0.026 χ^2/NDF: 3255820.0/45

- sign 165.343+/-0.036 χ^2/NDF: 1719561.6/23



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

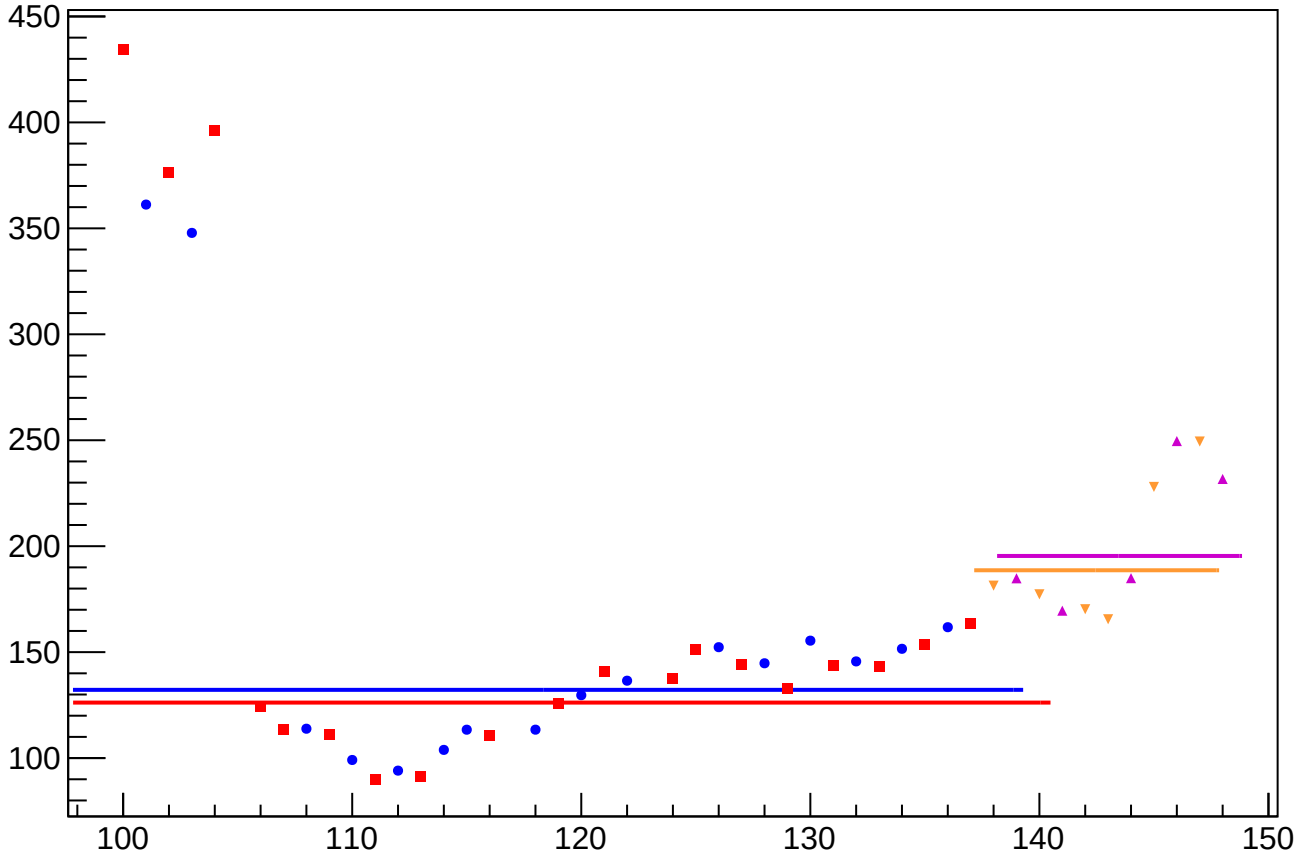
Left In: 146796.011+/-0.095 χ^2/NDF:34674418.0/4

+ sign 144150.287+/-0.046 χ^2/NDF: 1543418725.4

All: 144091.957+/-0.032 χ^2/NDF: 32684763

- sign 144038.071+/-0.044 χ^2/NDF: 1721943759.0/

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

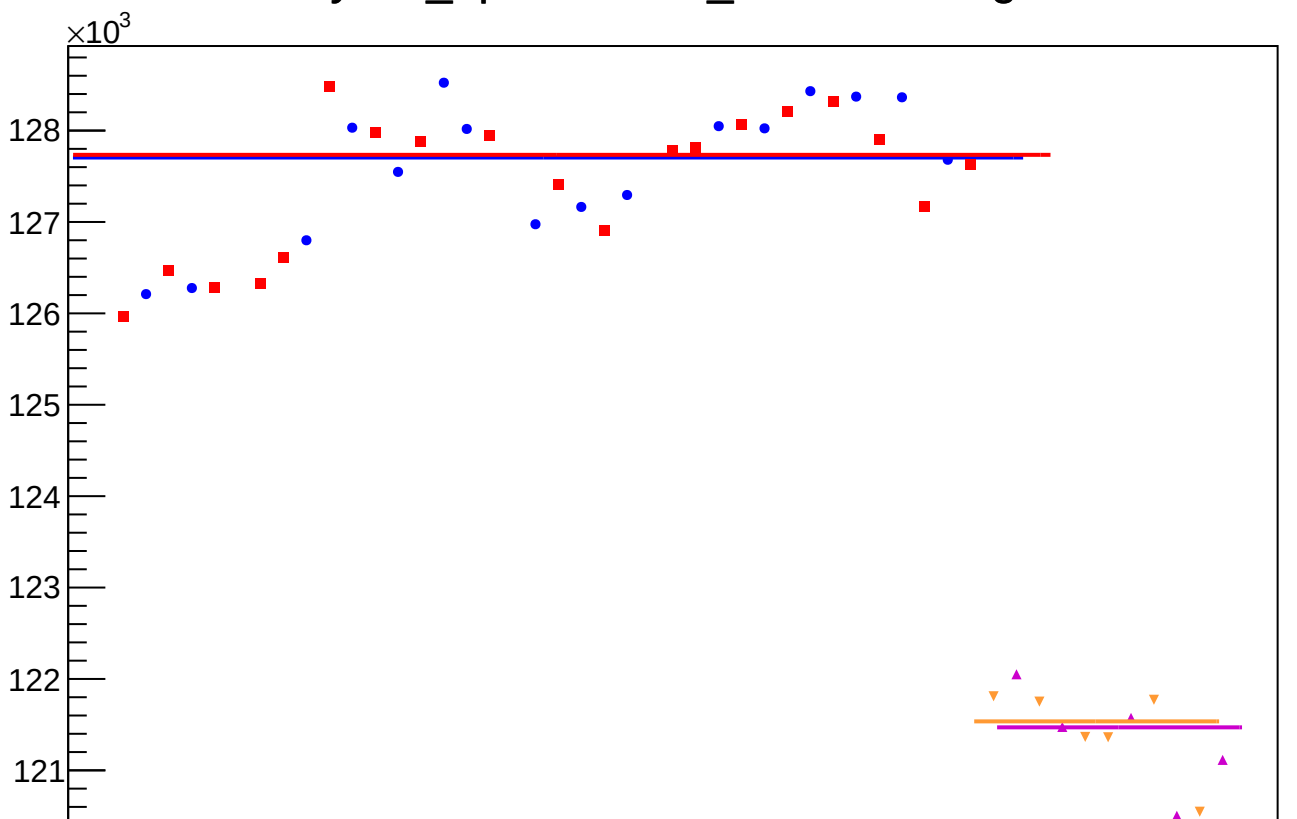
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.391+/-0.067 χ^2/NDF:174697.8/4

+ sign 146.604+/-0.032 χ^2/NDF: 2149763.8/21

All: 143.693+/-0.022 χ^2/NDF: 4714710.6/45

- sign 141.003+/-0.031 χ^2/NDF: 2549435.7/23



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

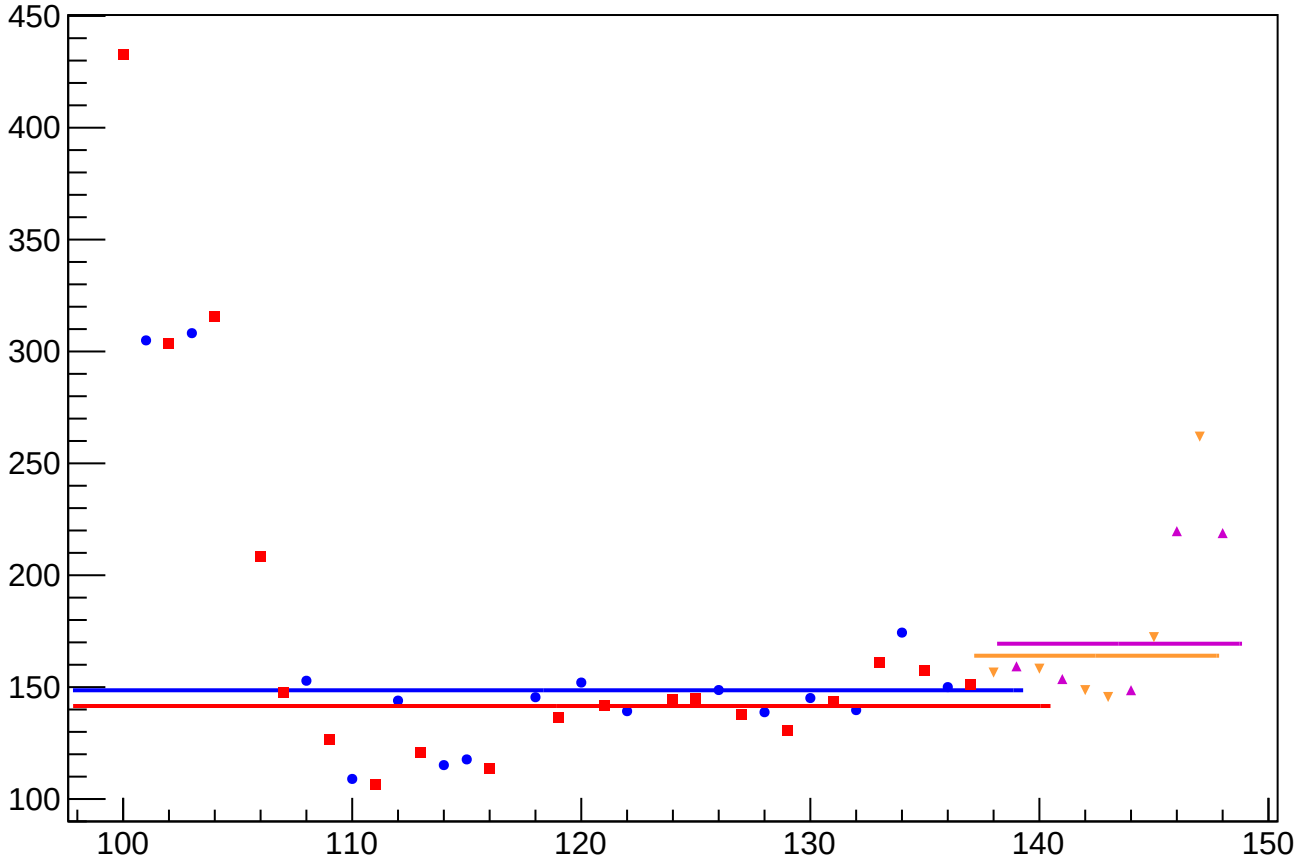
Left In: 121470.444+/-0.083 χ^2/NDF:30285465.6/4

+ sign 125568.053+/-0.047 χ^2/NDF: 3986774825.8

All: 125709.551+/-0.033 χ^2/NDF: 80731370

- sign 125843.094+/-0.046 χ^2/NDF: 4068913045.1/

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

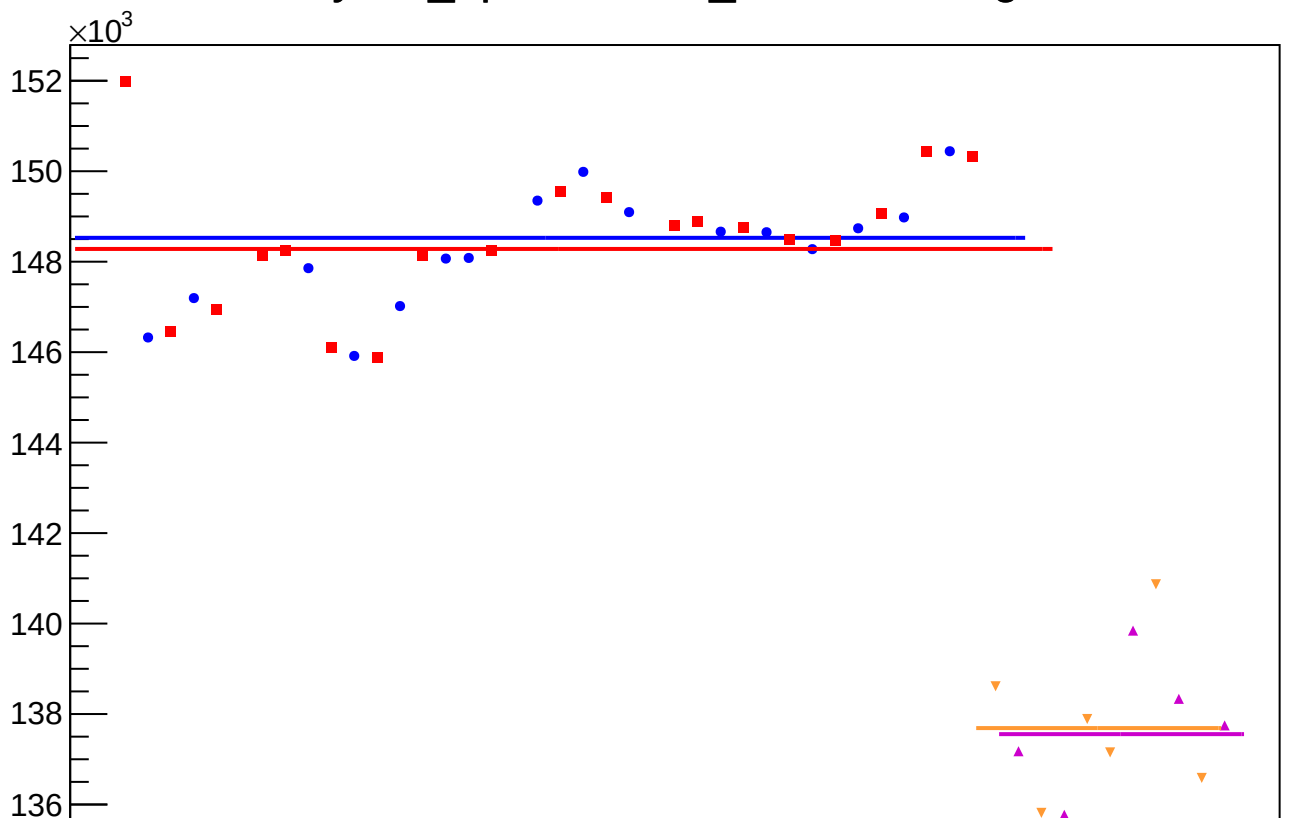
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.399+/-0.059 χ^2/NDF:231299.9/4

+ sign 153.944+/-0.033 χ^2/NDF: 1146316.0/21

All: 151.898+/-0.023 χ^2/NDF: 2541305.3/45

- sign 149.968+/-0.032 χ^2/NDF: 1387697.9/23



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

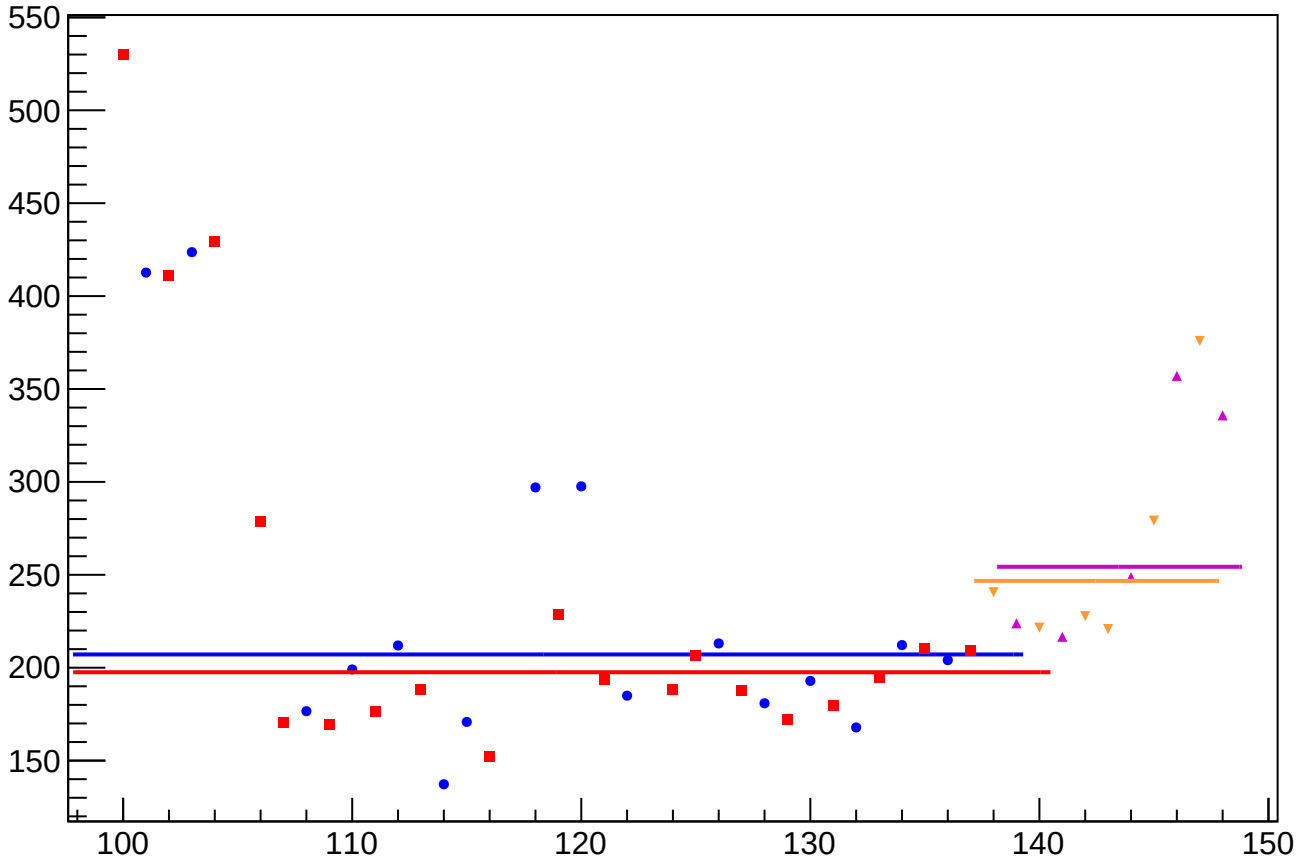
Left In: 137555.624+/-0.125 χ^2/NDF:140894317.4/4

+ sign 145063.943+/-0.068 χ^2/NDF: 5984085815.1

All: 145220.910+/-0.047 χ^2/NDF: 11756835

- sign 145367.759+/-0.065 χ^2/NDF: 5762310551.9/

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

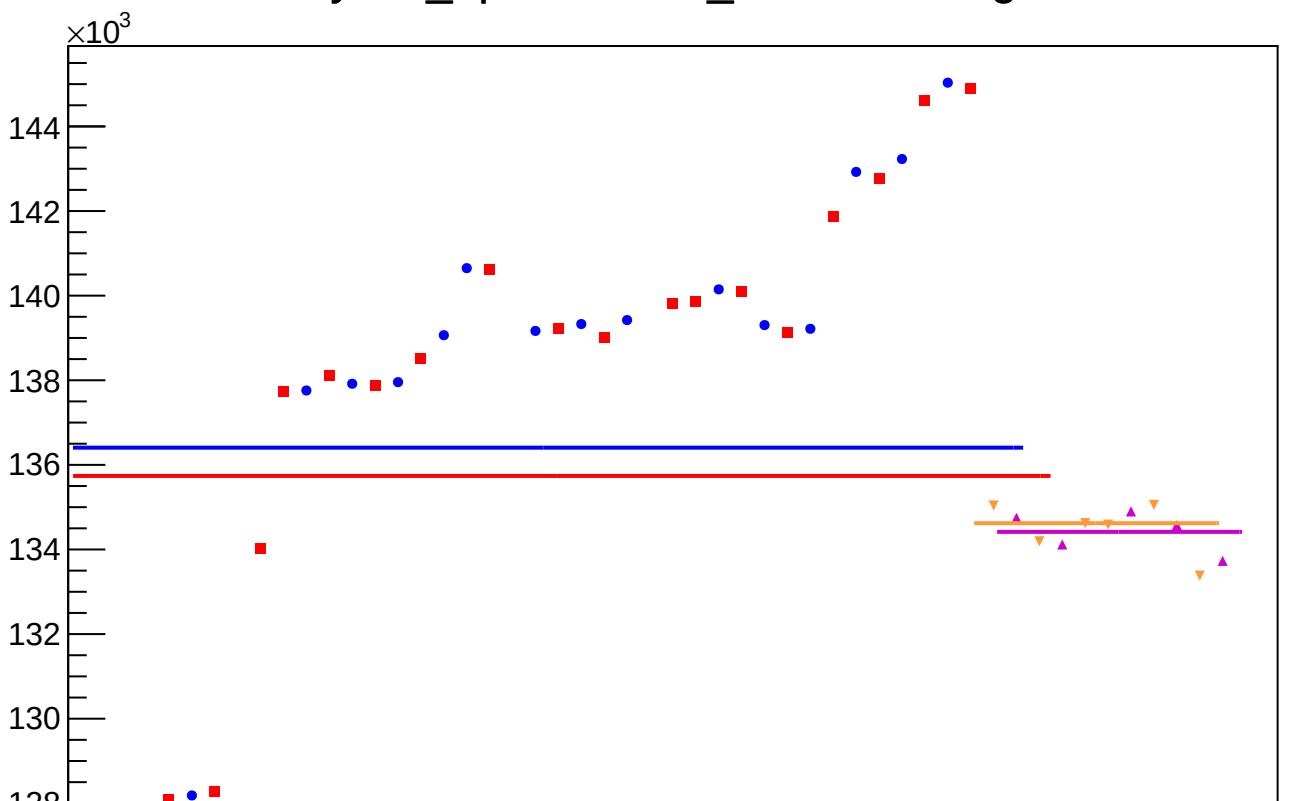
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.315+/-0.089 χ^2/NDF:324144.9/4

+ sign 219.793+/-0.048 χ^2/NDF: 1385348.7/21

All: 216.277+/-0.033 χ^2/NDF: 2922113.1/45

- sign 212.988+/-0.046 χ^2/NDF: 1526291.1/23



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

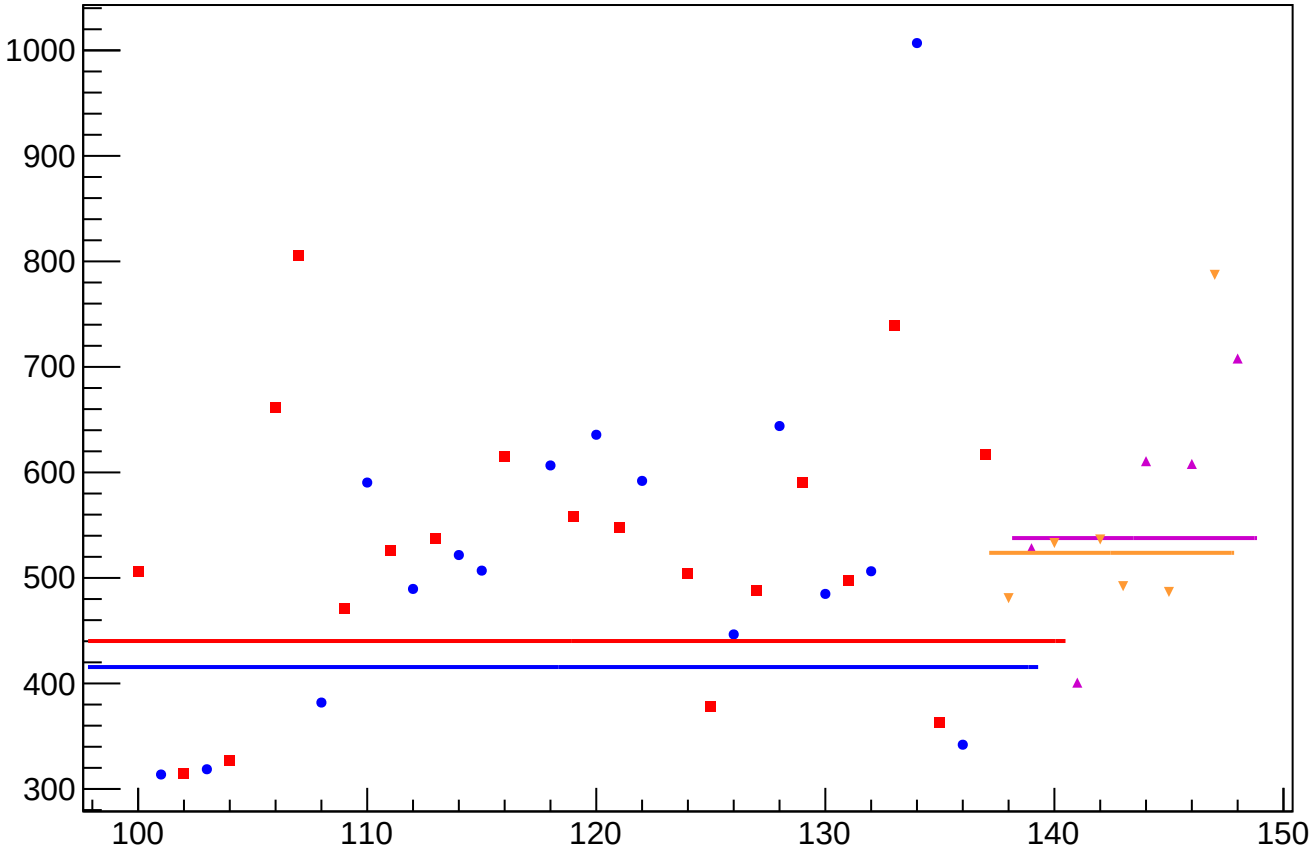
Left In: 134416.303+/-0.284 χ^2/NDF:1911621.5/4

+ sign 135877.651+/-0.141 χ^2/NDF: 1613764261.1/

All: 135638.038+/-0.103 χ^2/NDF: 28115653

- sign 135368.594+/-0.150 χ^2/NDF: 1191700176.4/

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

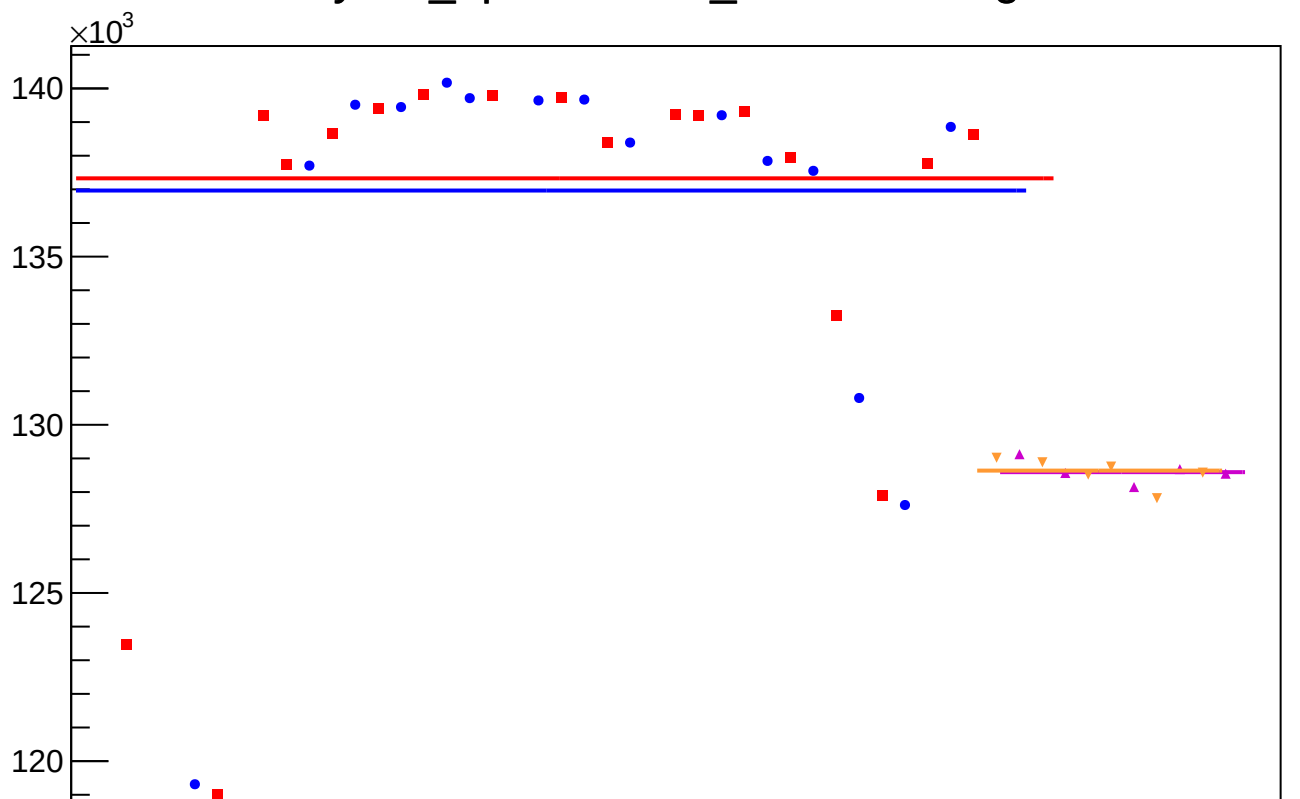
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.778+/-0.200 χ^2/NDF:285683.1/4

+ sign 447.639+/-0.100 χ^2/NDF: 1467902.9/21

All: 456.991+/-0.073 χ^2/NDF: 2853558.4/45

- sign 467.507+/-0.106 χ^2/NDF: 1367068.3/23



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

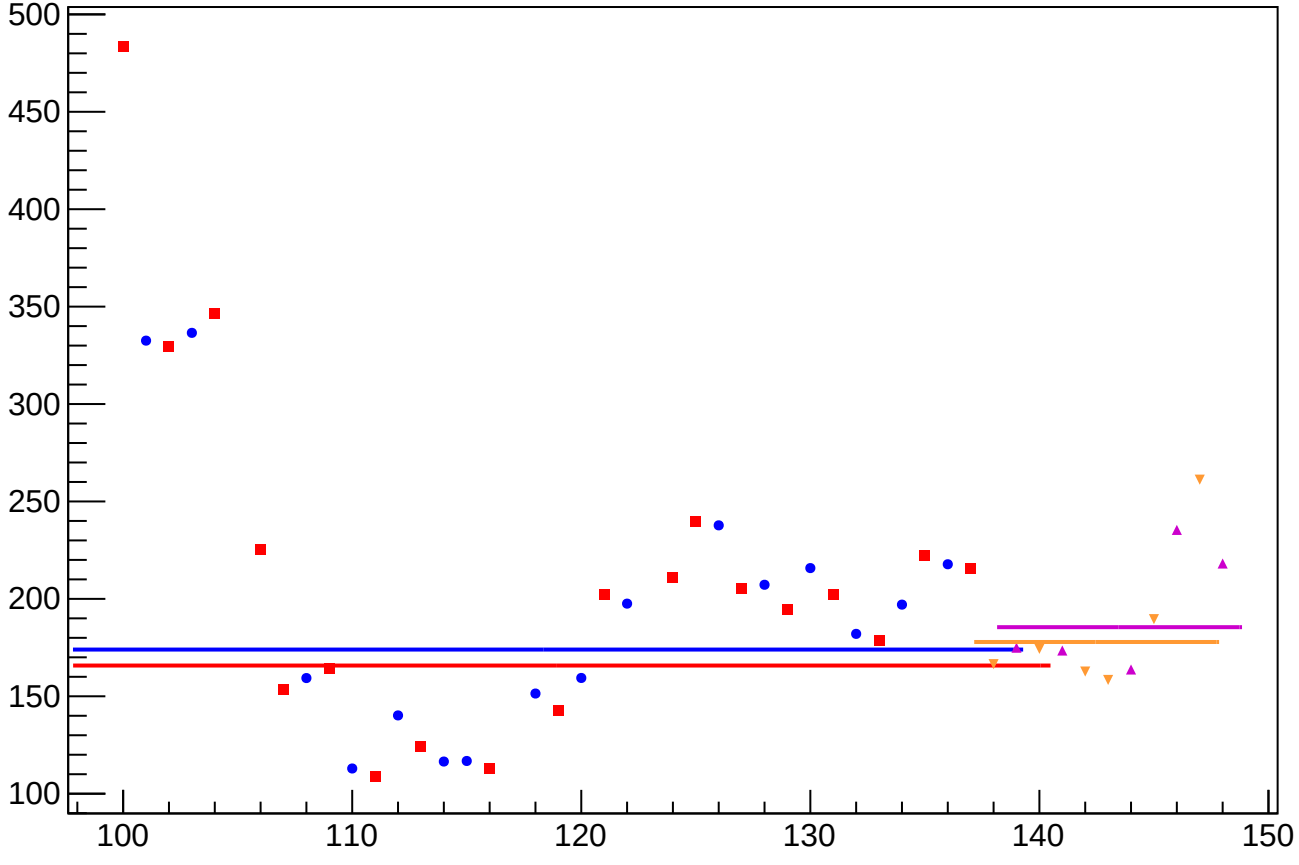
Left In: 128591.916+/-0.091 χ^2/NDF:14368708.0/4

+ sign 133664.723+/-0.054 χ^2/NDF: 11481148225.

All: 133997.619+/-0.038 χ^2/NDF: 23411442

- sign 134317.834+/-0.053 χ^2/NDF: 11856216061.

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

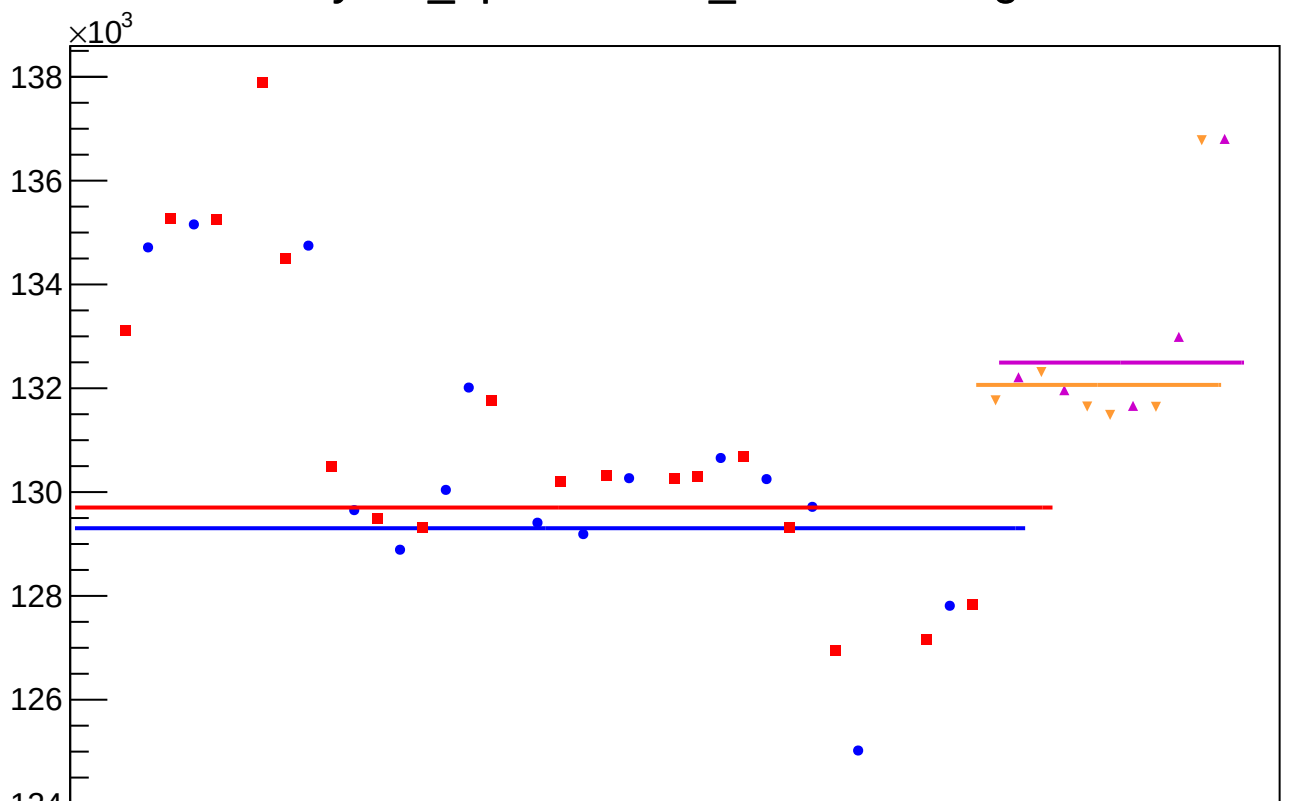
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.473+/-0.064 χ^2/NDF:160814.9/4

+ sign 175.522+/-0.038 χ^2/NDF: 1402724.8/21

All: 174.015+/-0.027 χ^2/NDF: 3061781.4/45

- sign 172.565+/-0.038 χ^2/NDF: 1656019.2/23



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

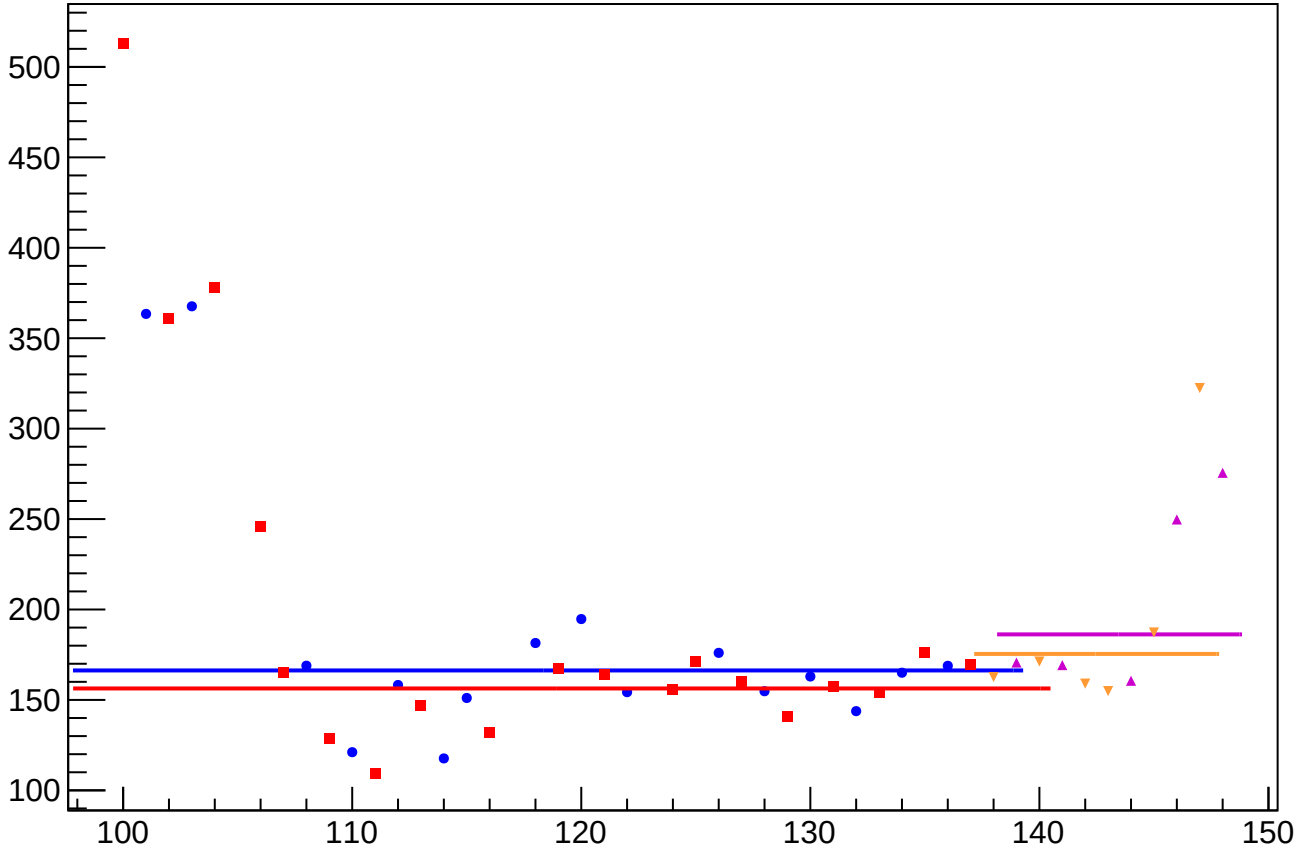
Left In: 132494.927+/-0.092 χ^2/NDF:235620267.4/4

+ sign 130331.955+/-0.052 χ^2/NDF: 2494545064.9

All: 130451.092+/-0.037 χ^2/NDF: 51534245

- sign 130564.497+/-0.051 χ^2/NDF: 2648807978.8/

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

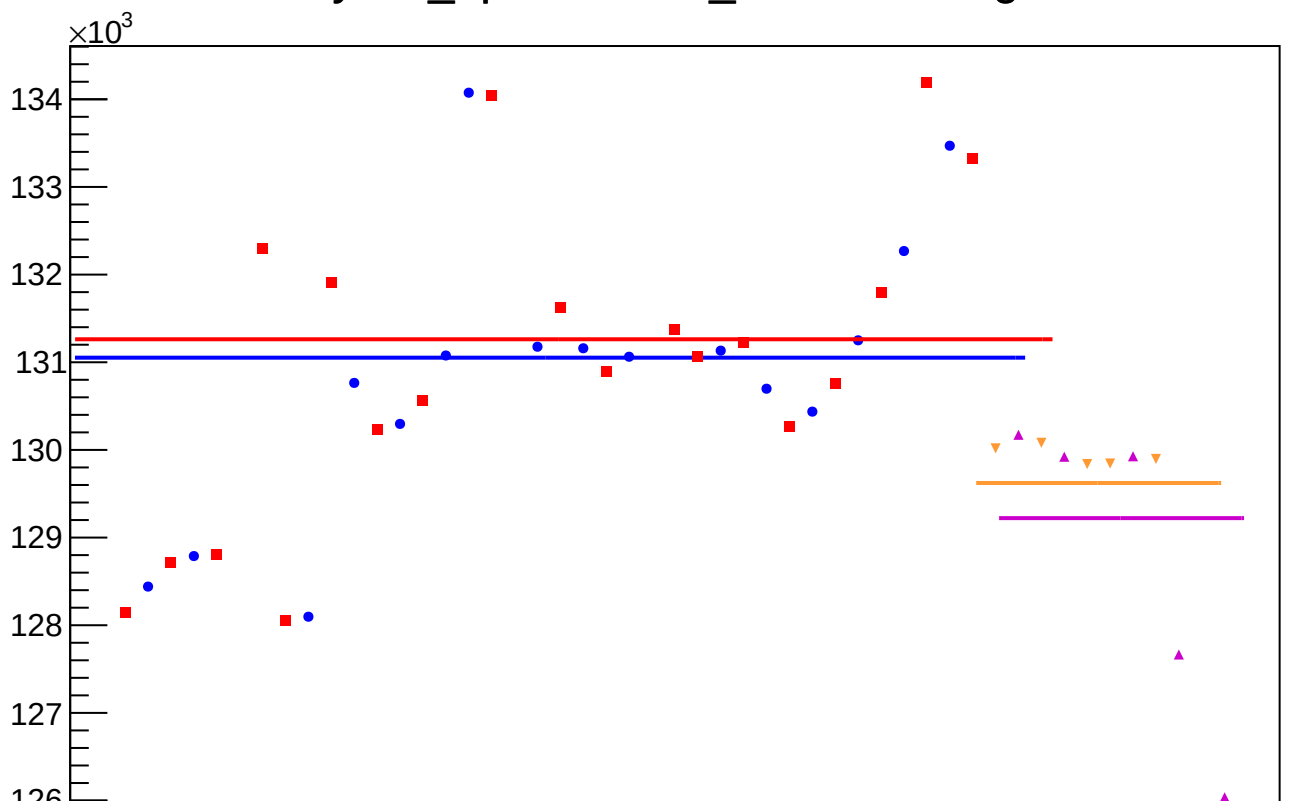
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.240+/-0.065 χ^2/NDF:359120.2/4

+ sign 169.702+/-0.037 χ^2/NDF: 1344994.5/21

All: 167.583+/-0.026 χ^2/NDF: 3029100.9/45

- sign 165.565+/-0.036 χ^2/NDF: 1677730.3/23



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

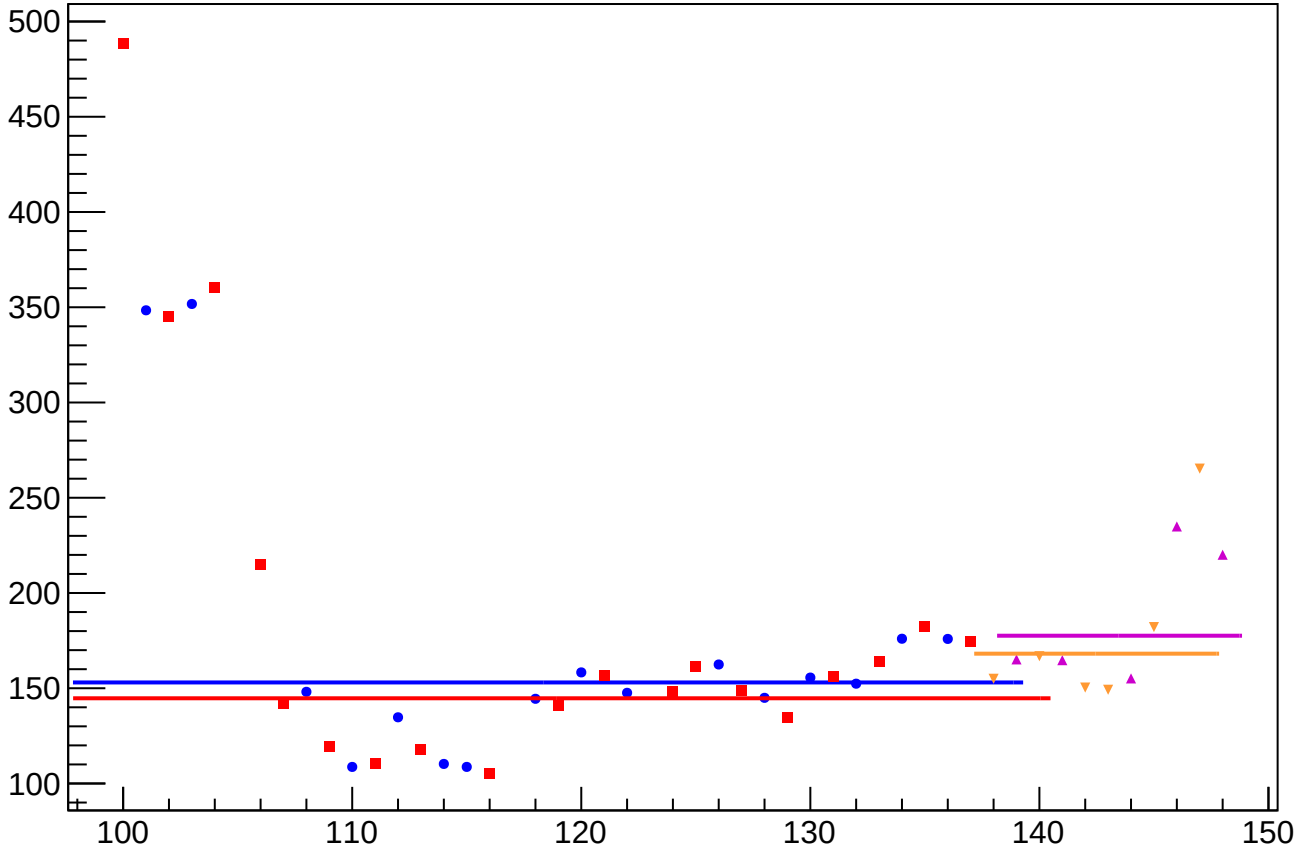
Left In: 129221.937+/-0.087 χ^2/NDF:268791241.7/4

+ sign 130543.747+/-0.049 χ^2/NDF: 904707423.7/2

All: 130600.531+/-0.034 χ^2/NDF: 21665644

- sign 130654.575+/-0.047 χ^2/NDF: 1259200388.3/

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

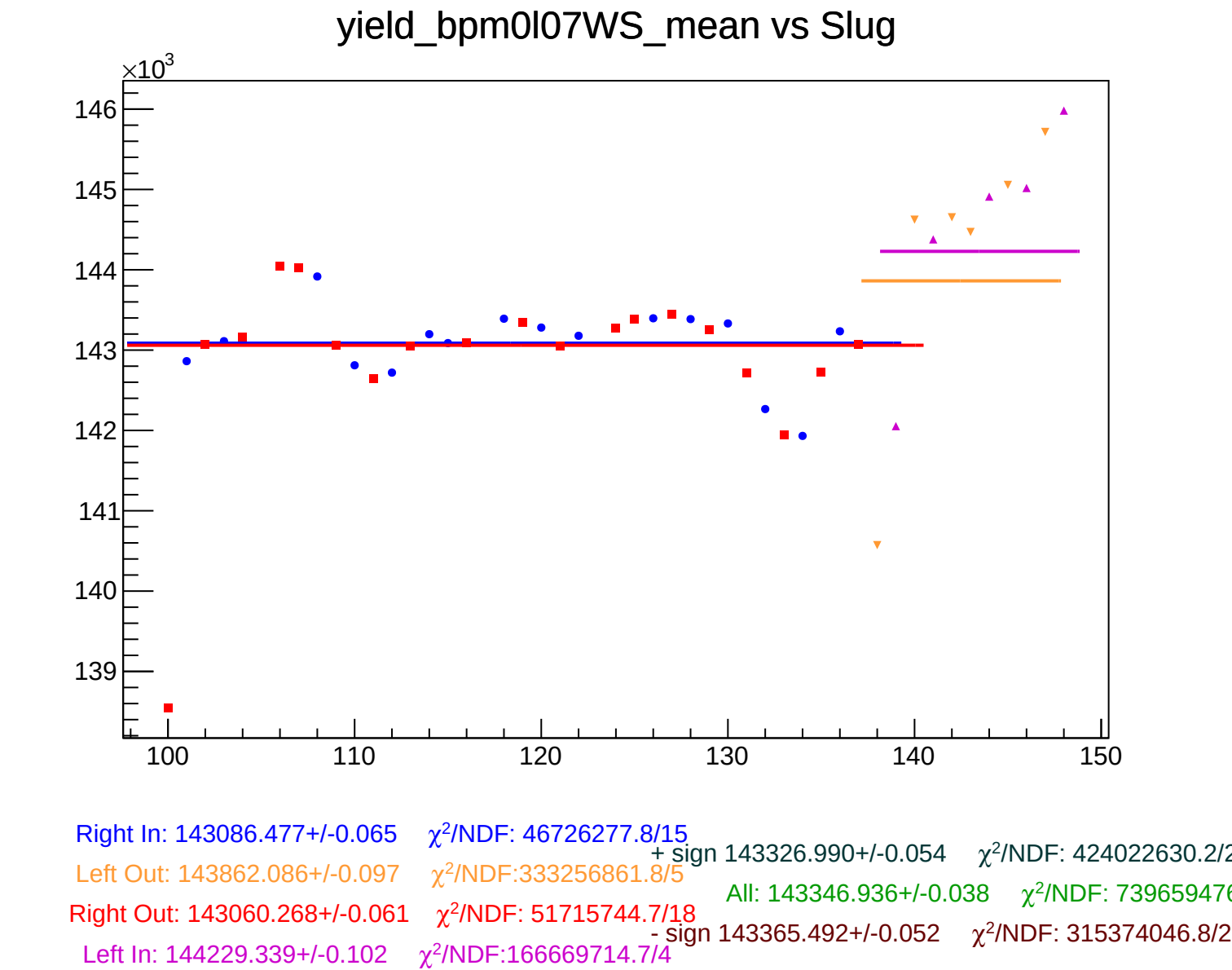
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 177.574+/-0.062 χ^2/NDF:221526.8/4

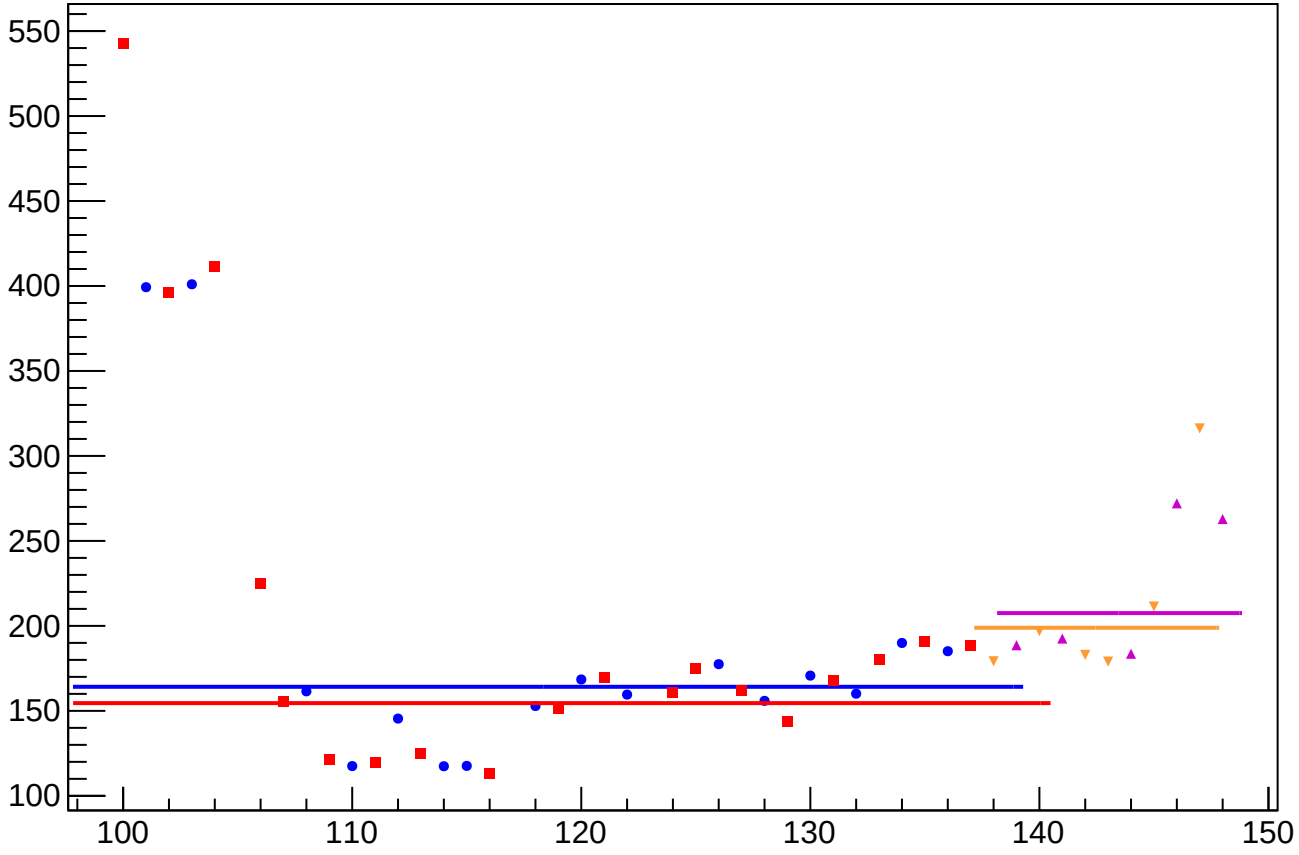
+ sign 158.417+/-0.034 χ^2/NDF: 1381097.2/21

All: 156.417+/-0.024 χ^2/NDF: 3072761.5/45

- sign 154.512+/-0.034 χ^2/NDF: 1685068.9/23


yield_bpm0l07WS_mean vs Slug
×10^3
146
145
144
143
142
141
140
139
100
110
120
130
140
150
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 143862.086+/-0.097 χ²/NDF:333256861.8/5
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144229.339+/-0.102 χ²/NDF:166669714.7/4
+ sign 143326.990+/-0.054 χ²/NDF: 424022630.2/2
All: 143346.936+/-0.038 χ²/NDF: 73965947
- sign 143365.492+/-0.052 χ²/NDF: 315374046.8/2

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

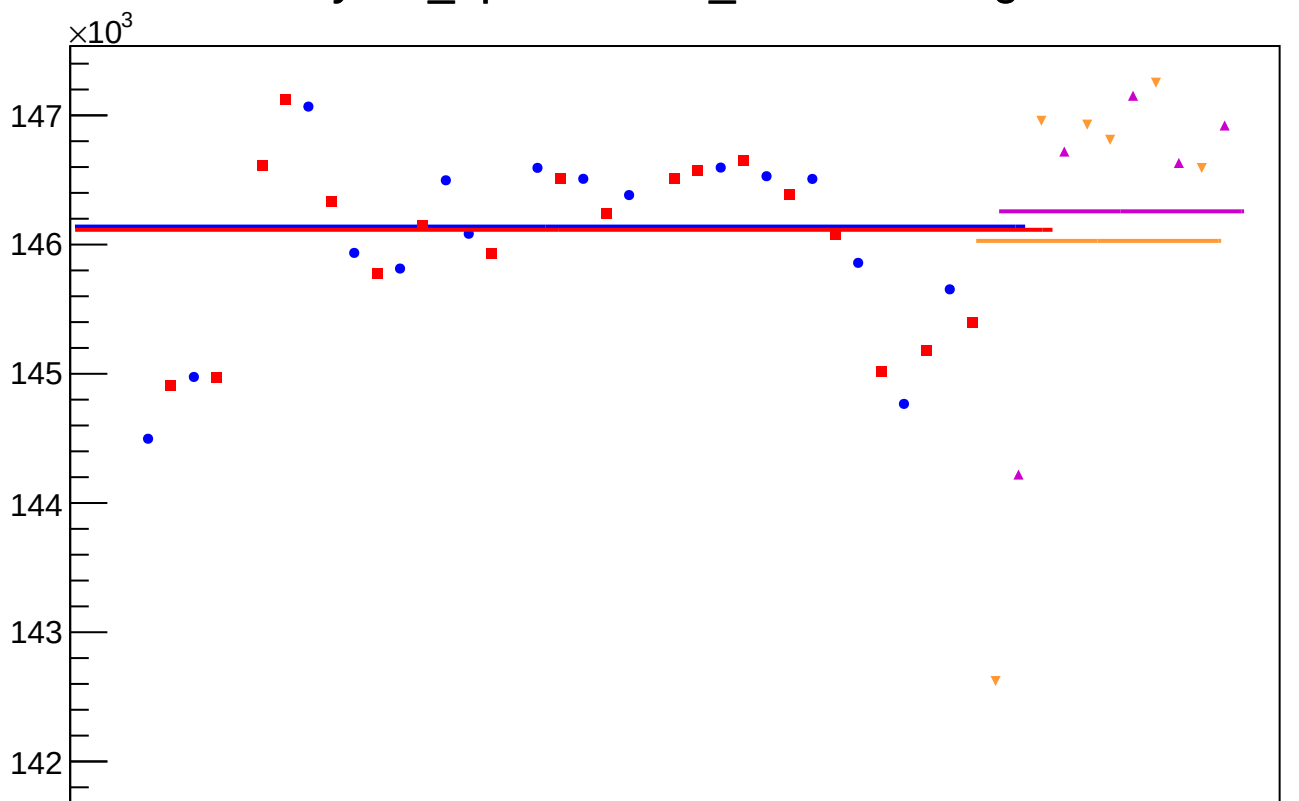
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.531+/-0.072 χ^2/NDF:227081.5/4

+ sign 174.939+/-0.038 χ^2/NDF: 1582014.2/21

All: 171.545+/-0.027 χ^2/NDF: 3589412.1/45

- sign 168.388+/-0.037 χ^2/NDF: 1992181.2/23



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

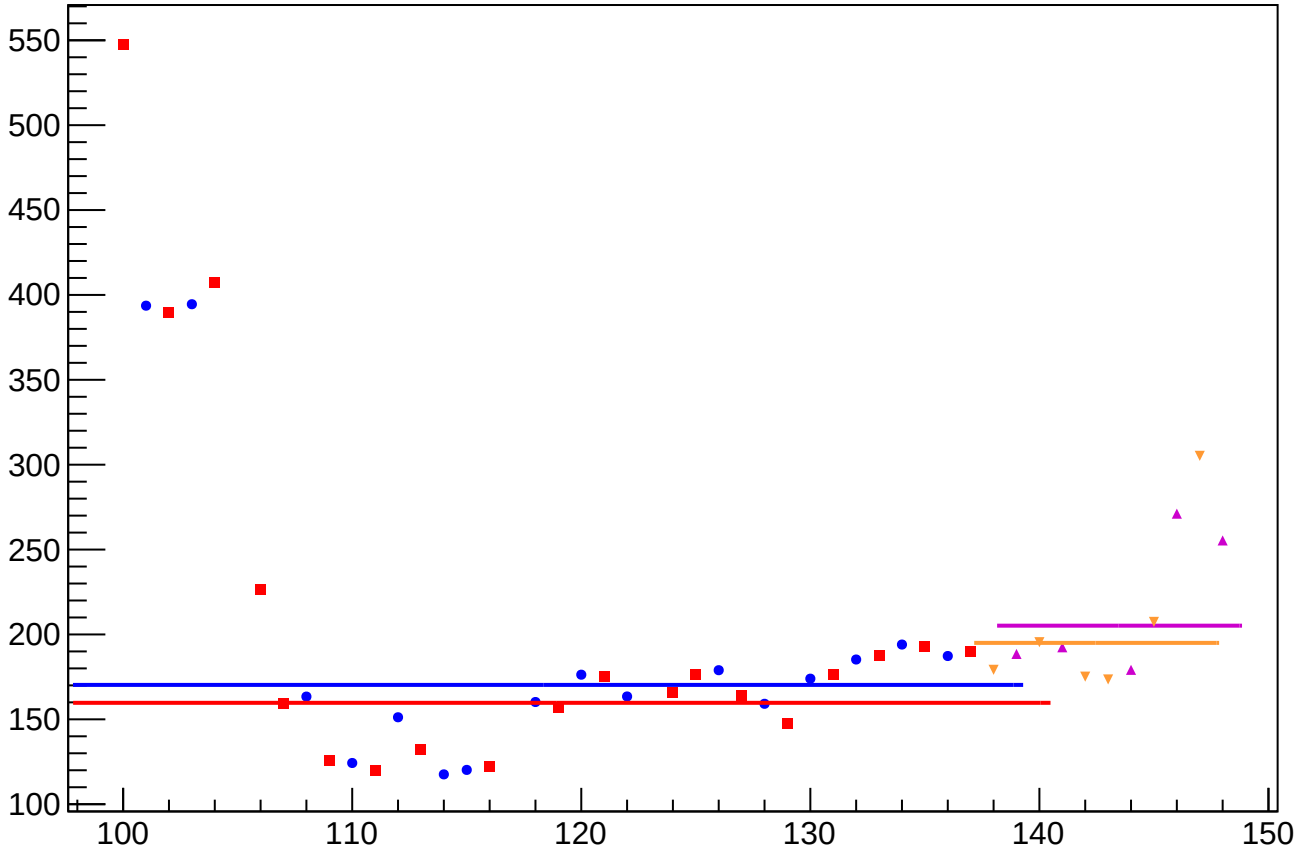
Left In: 146257.150+/-0.101 χ^2/NDF:131501648.2/4

+ sign 146102.221+/-0.055 χ^2/NDF: 417976293.3/2

All: 146129.006+/-0.038 χ^2/NDF: 62448572

- sign 146154.026+/-0.053 χ^2/NDF: 206050011.5/2

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

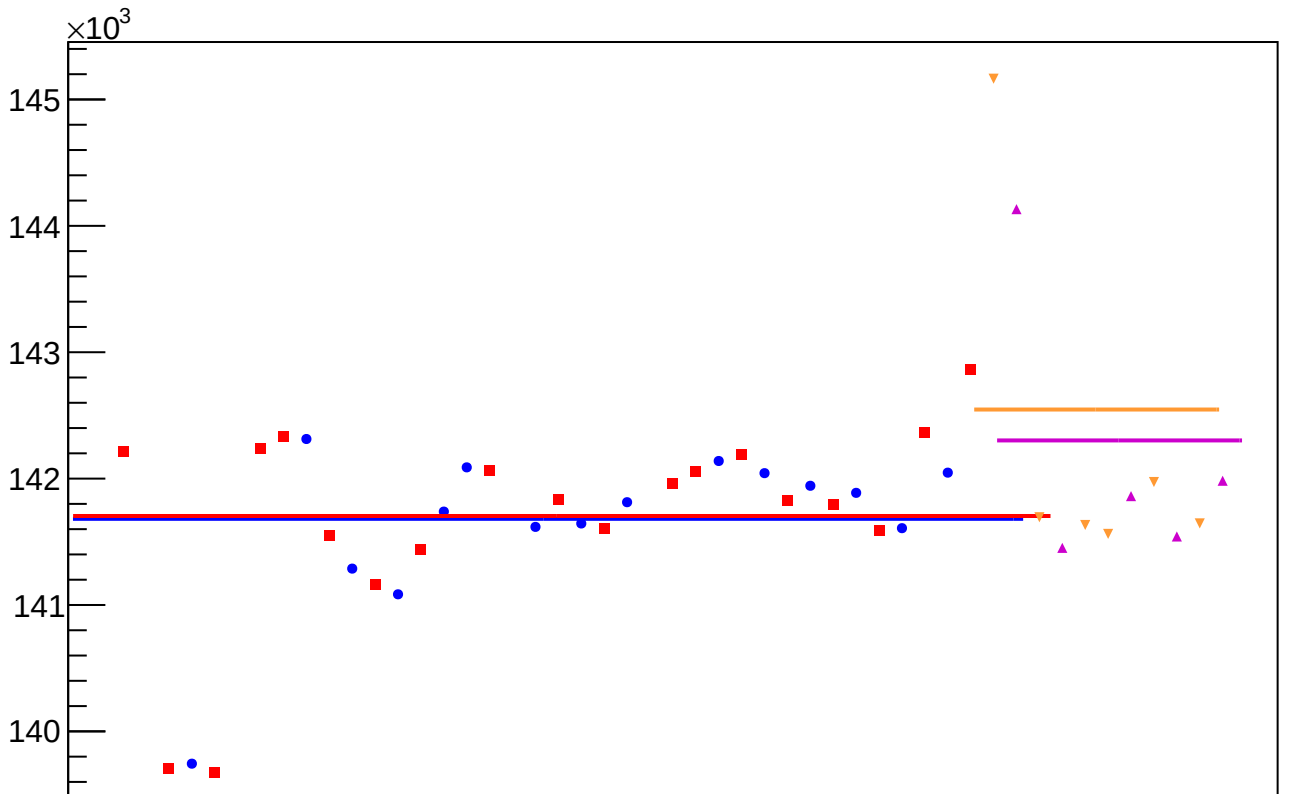
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.173+/-0.071 χ^2/NDF:222923.7/4

+ sign 178.571+/-0.039 χ^2/NDF: 1414381.1/21

All: 175.342+/-0.027 χ^2/NDF: 3235395.5/45

- sign 172.327+/-0.038 χ^2/NDF: 1807665.2/23



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

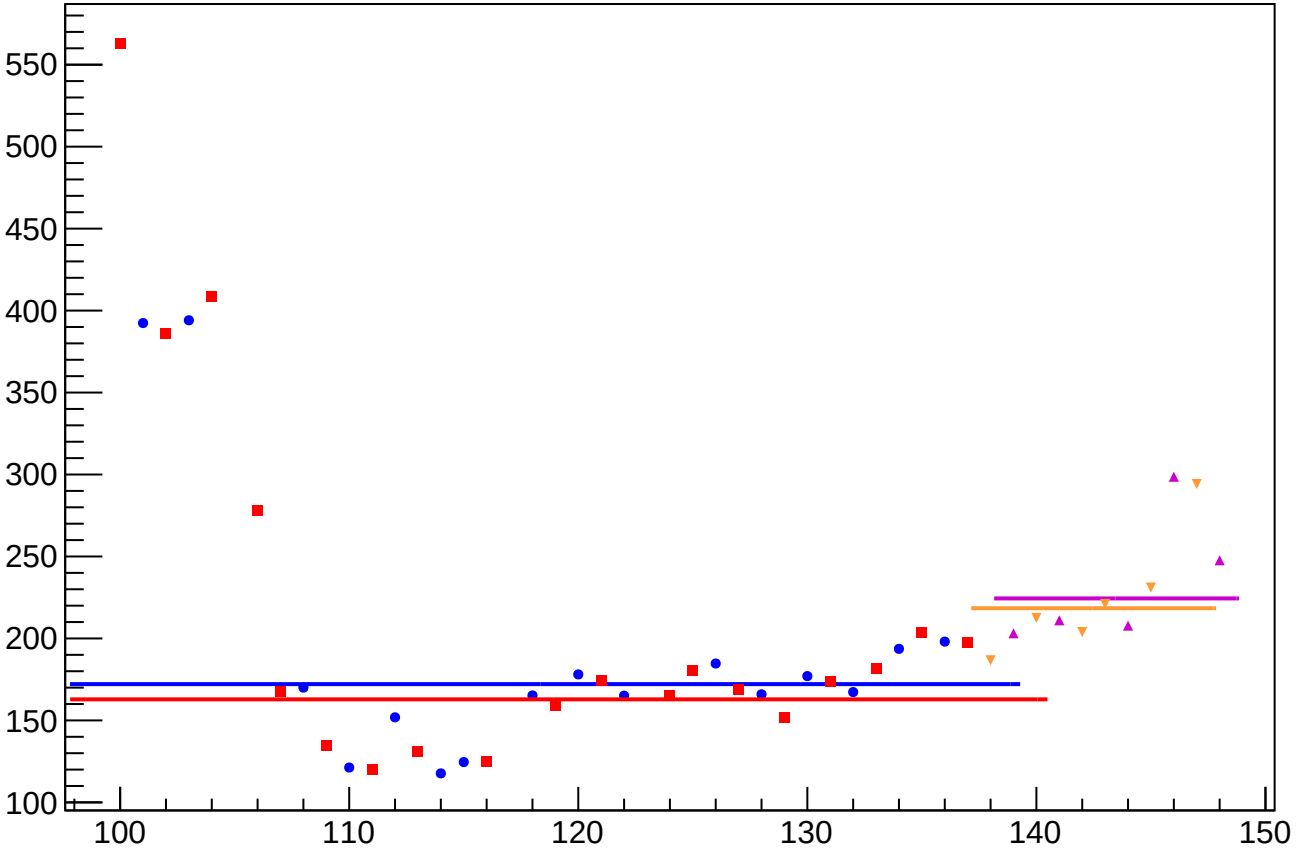
Left In: 142302.098+/-0.110 χ^2/NDF:92690511.0/4

+ sign 141937.883+/-0.057 χ^2/NDF: 311498982.2/2

All: 141894.852+/-0.040 χ^2/NDF: 4929524

- sign 141854.934+/-0.055 χ^2/NDF: 180365551.4/2

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

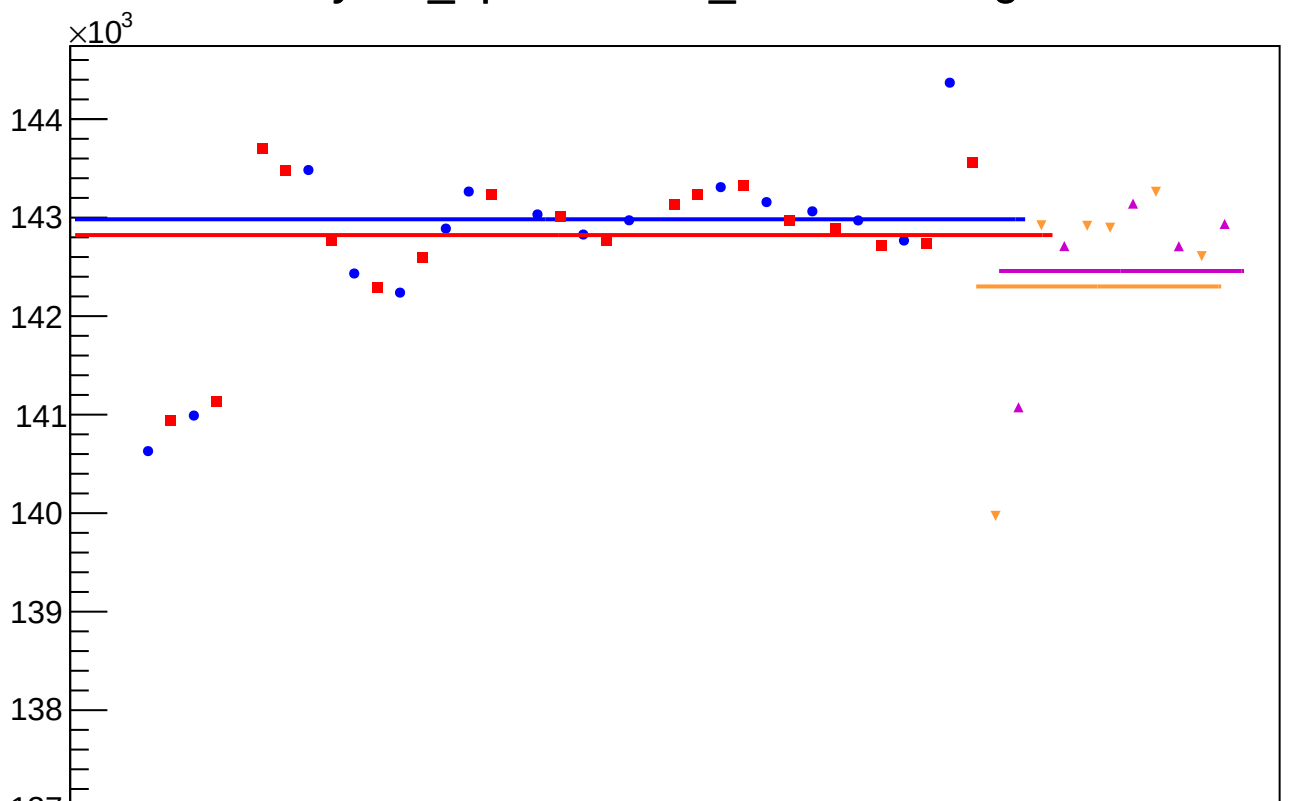
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.421+/-0.078 χ^2/NDF:158015.5/4

+ sign 185.844+/-0.041 χ^2/NDF: 1504276.0/21

All: 181.967+/-0.028 χ^2/NDF: 3455623.9/45

- sign 178.370+/-0.039 χ^2/NDF: 1933680.5/23



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

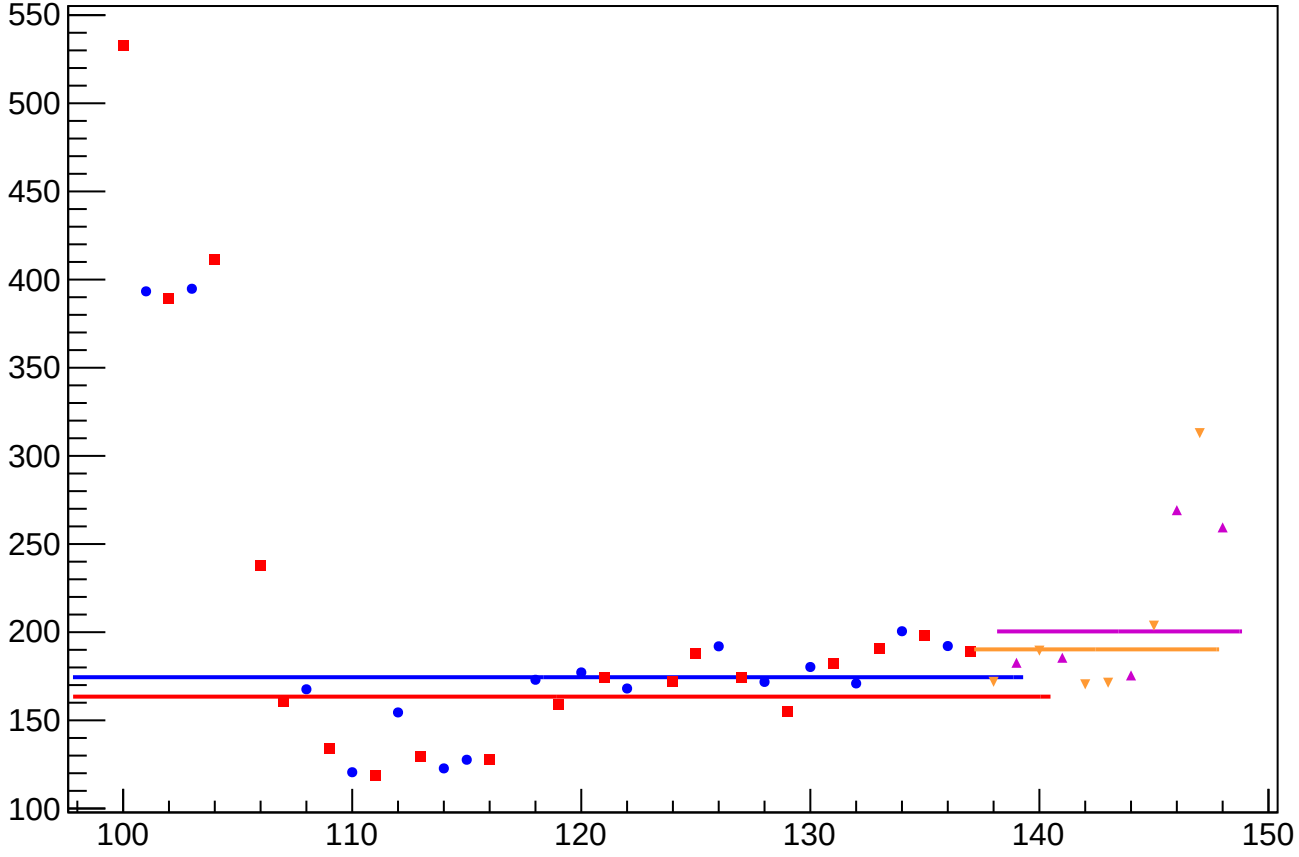
Left In: 142458.226+/-0.099 χ^2/NDF:66421630.7/4

+ sign 142739.221+/-0.055 χ^2/NDF: 323166596.6/2

All: 142726.554+/-0.039 χ^2/NDF: 46287918

- sign 142714.647+/-0.054 χ^2/NDF: 139611149.9/2

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

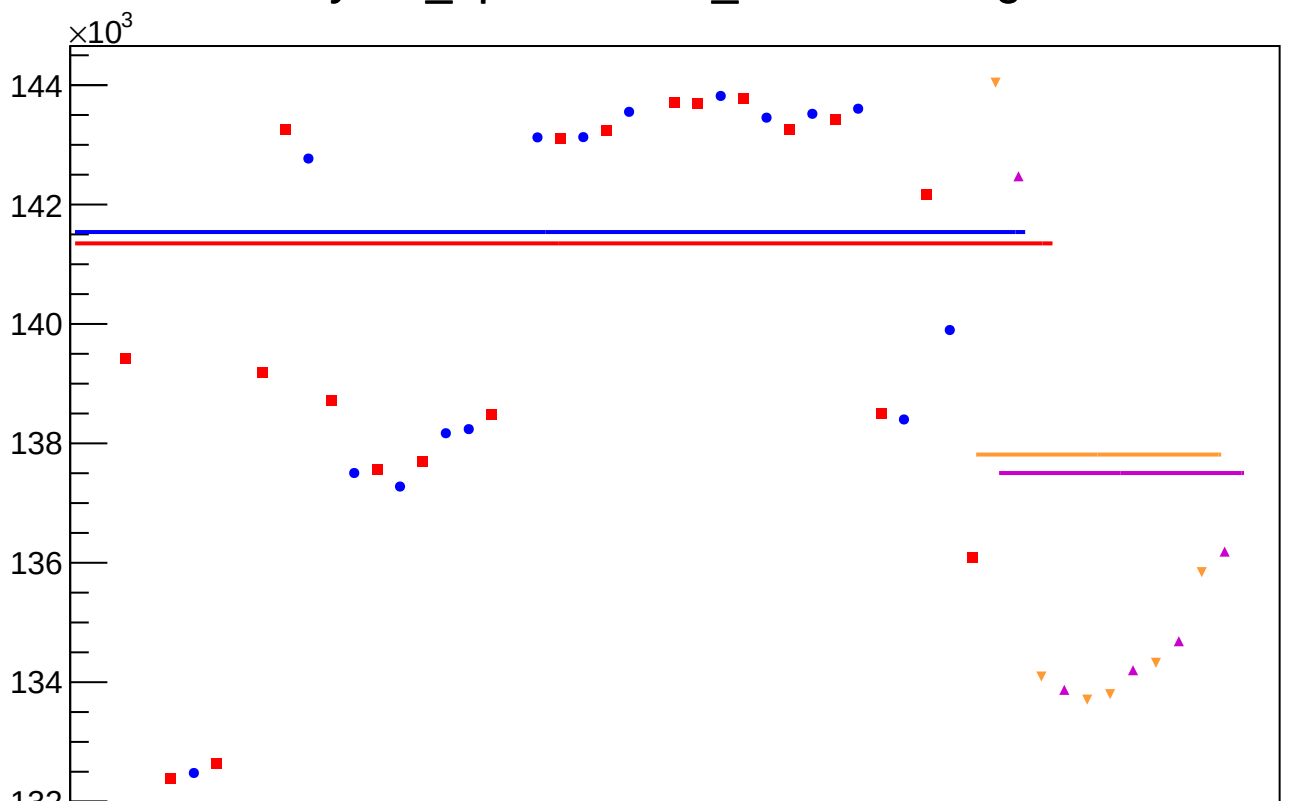
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.433+/-0.070 χ^2/NDF:259886.2/4

+ sign 180.110+/-0.039 χ^2/NDF: 1393393.0/21

All: 177.174+/-0.027 χ^2/NDF: 3144515.4/45

- sign 174.415+/-0.038 χ^2/NDF: 1740224.8/23



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

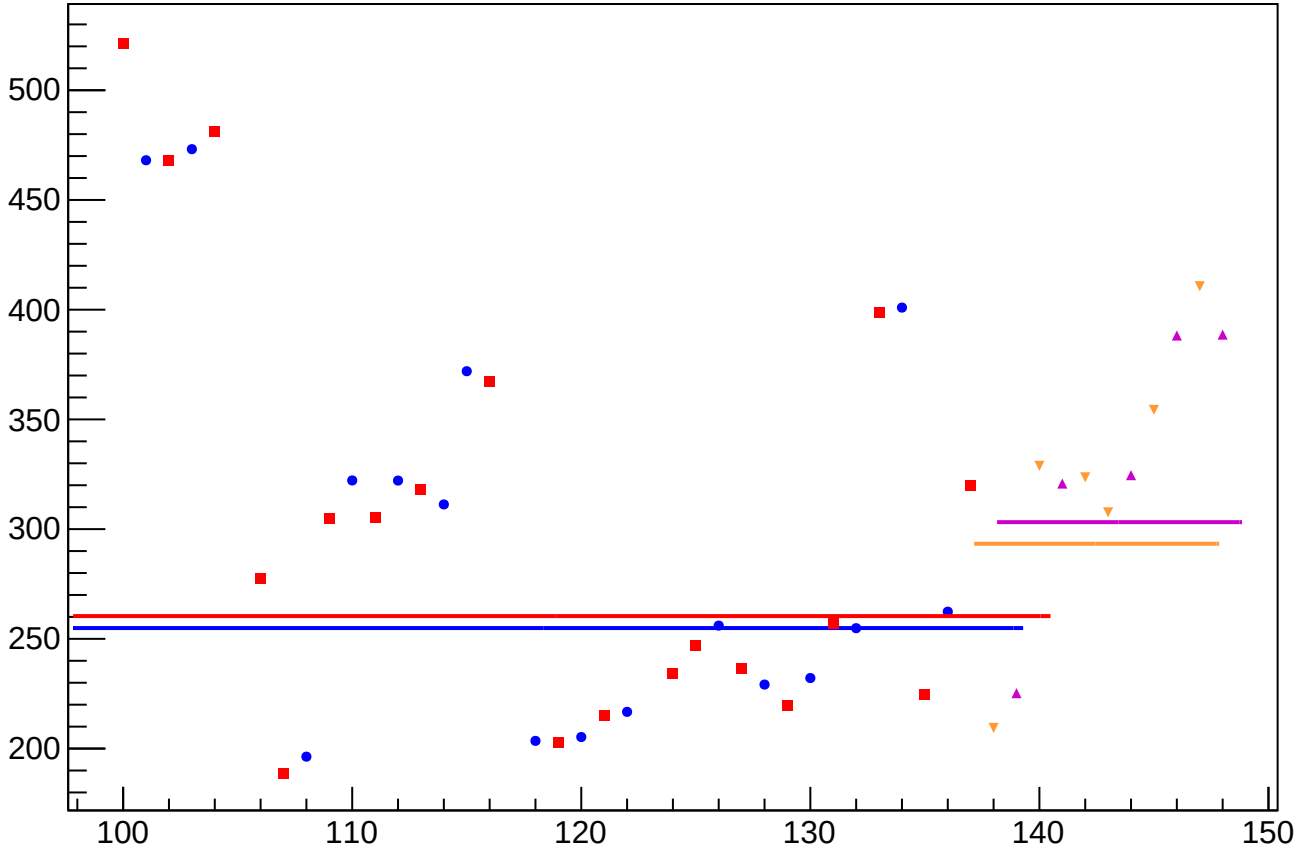
Left In: 137503.227+/-0.152 χ^2/NDF:644350751.3/4

+ sign 140330.044+/-0.083 χ^2/NDF: 2443311579.0

All: 140252.410+/-0.059 χ^2/NDF: 44595047

- sign 140172.267+/-0.084 χ^2/NDF: 2014404559.7/

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

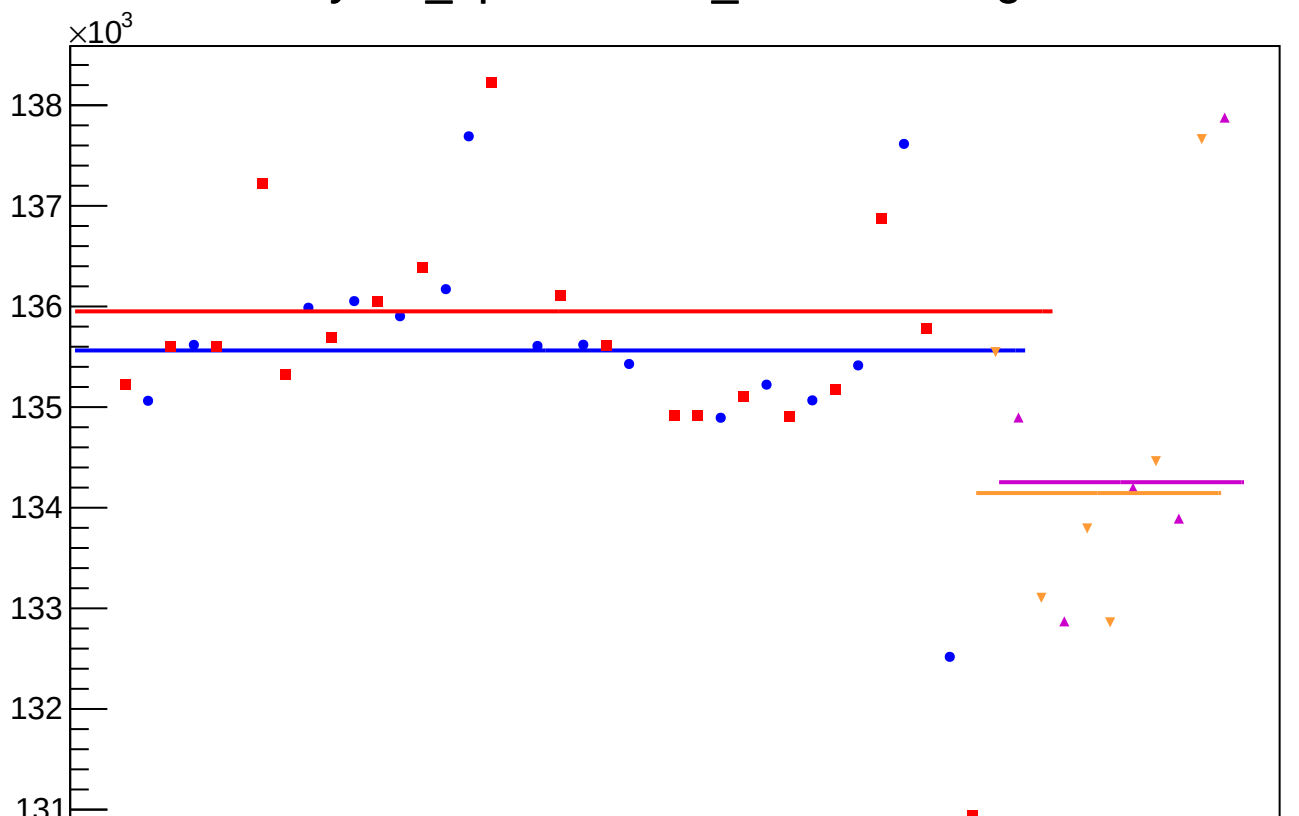
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.178+/-0.108 χ^2/NDF:363935.9/4

+ sign 267.385+/-0.059 χ^2/NDF: 1492287.6/21

All: 270.380+/-0.042 χ^2/NDF: 2964687.9/45

- sign 273.471+/-0.060 χ^2/NDF: 1467090.6/23



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

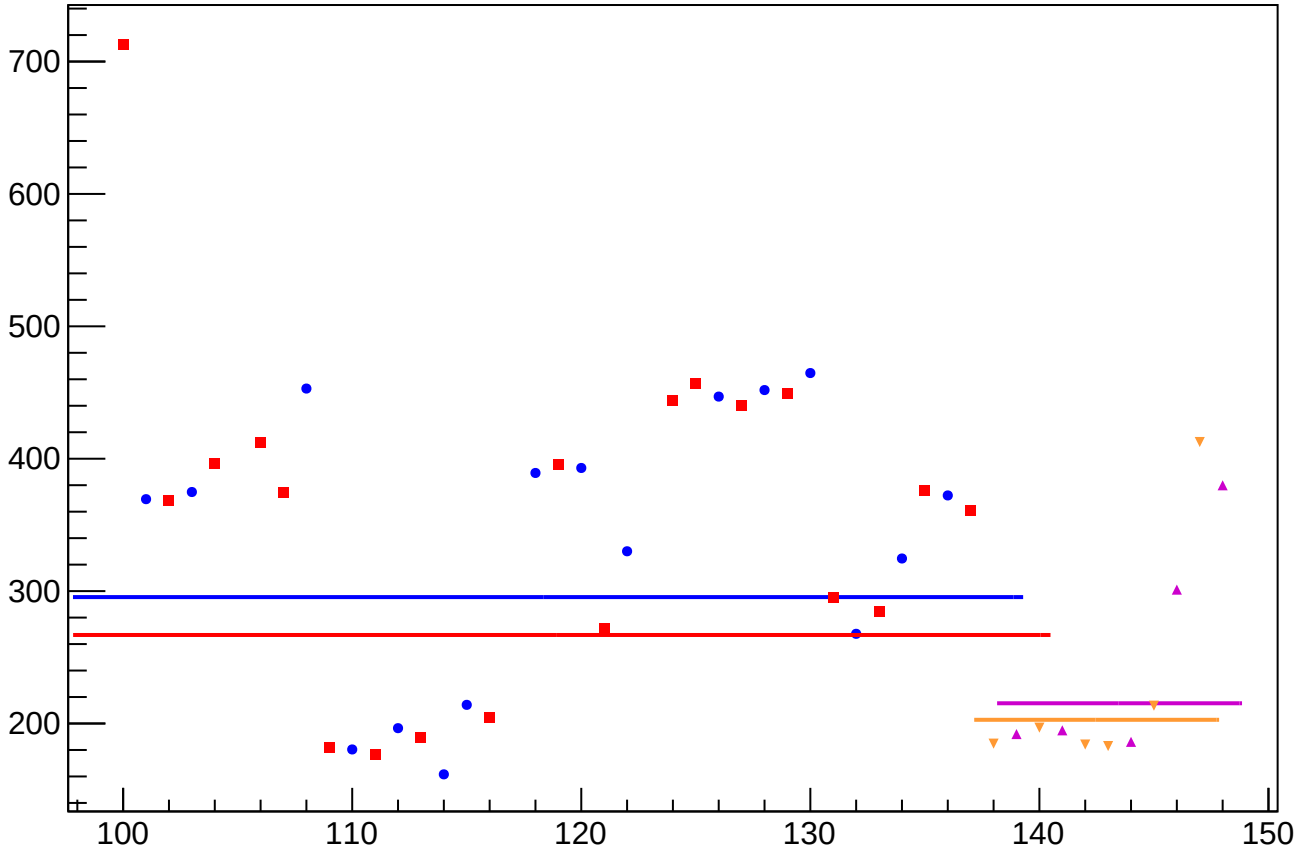
Left In: 134253.764+/-0.109 χ^2/NDF:128389198.6/4

+ sign 134739.135+/-0.077 χ^2/NDF: 343213452.8/2

All: 134930.993+/-0.054 χ^2/NDF: 70046899

- sign 135119.758+/-0.076 χ^2/NDF: 344802860.6/2

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

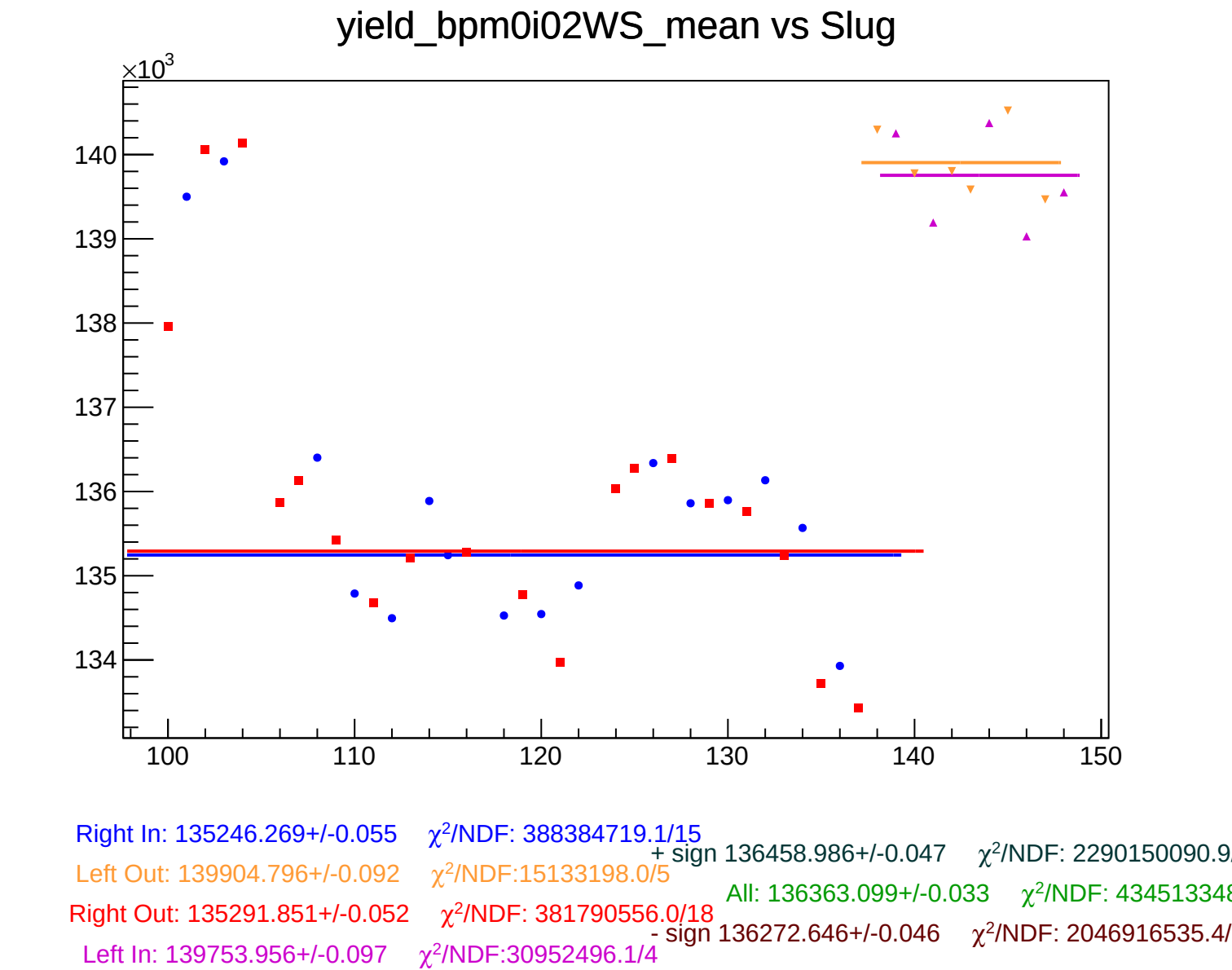
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 215.280+/-0.077 χ^2/NDF:529542.9/4

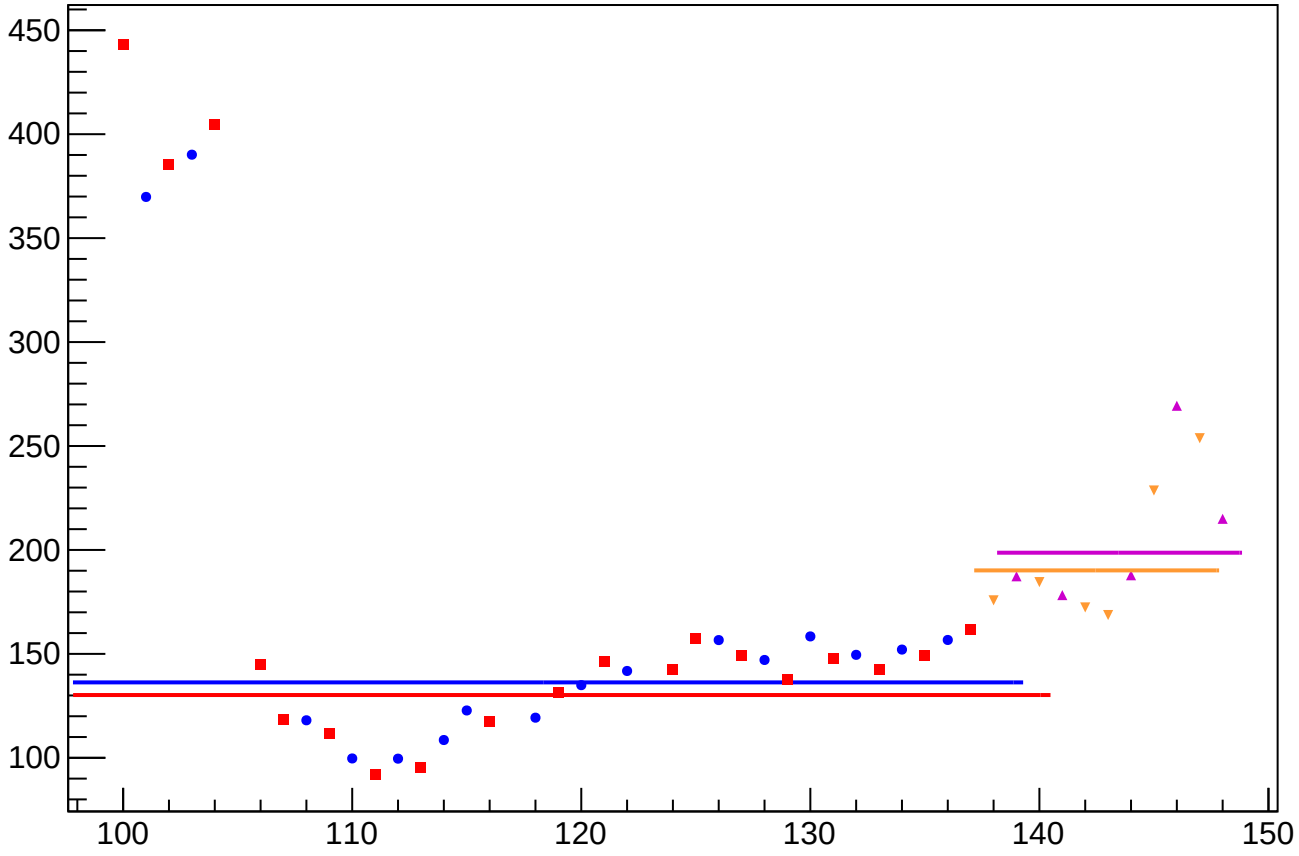
+ sign 241.600+/-0.054 χ^2/NDF: 2628804.7/21

All: 241.596+/-0.038 χ^2/NDF: 5066917.8/45

- sign 241.593+/-0.054 χ^2/NDF: 2438113.2/23


yield_bpm0i02WS_mean vs Slug
×10^3
140
139
138
137
136
135
134
100
110
120
130
140
150
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 139904.796+/-0.092 χ²/NDF:15133198.0/5
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 139753.956+/-0.097 χ²/NDF:30952496.1/4
+ sign 136458.986+/-0.047 χ²/NDF: 2290150090.9
All: 136363.099+/-0.033 χ²/NDF: 43451334
- sign 136272.646+/-0.046 χ²/NDF: 2046916535.4/

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

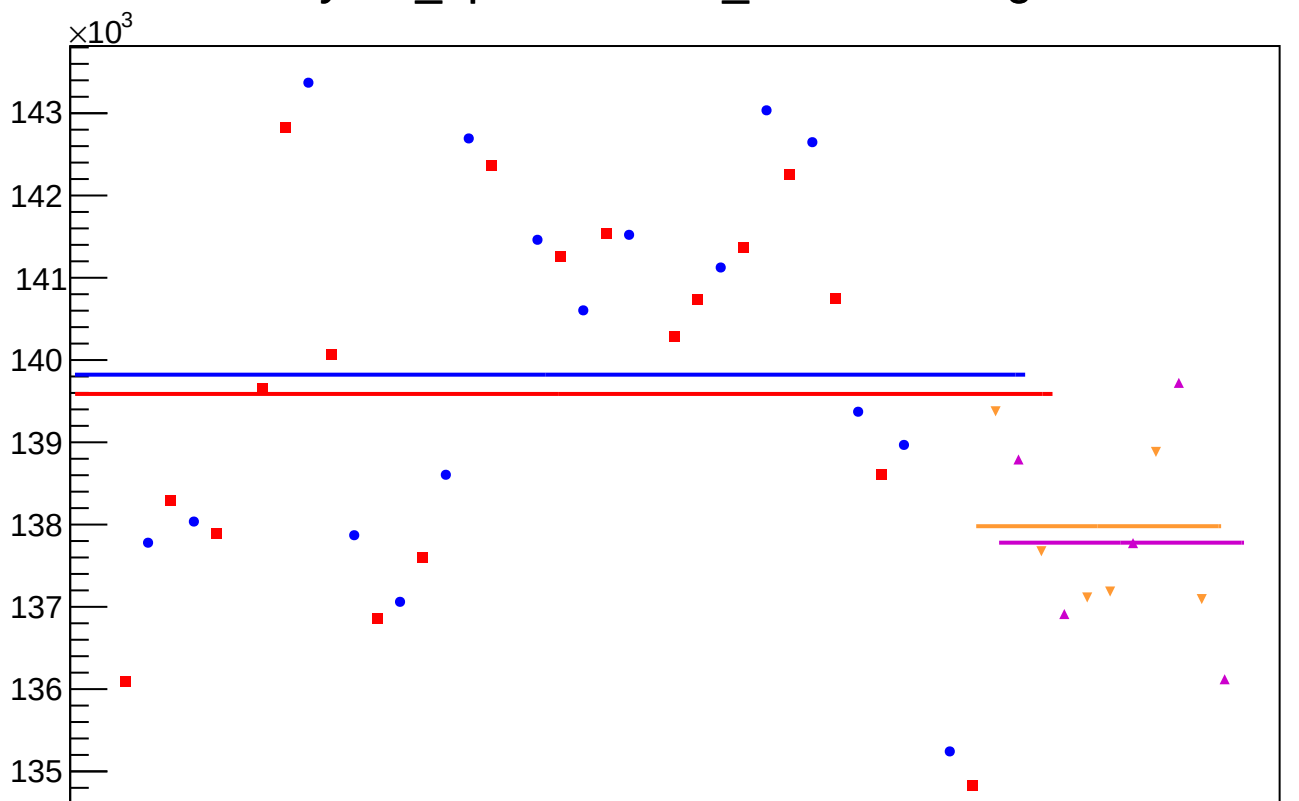
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.669+/-0.069 χ^2/NDF:159664.7/4

+ sign 150.310+/-0.033 χ^2/NDF: 2077215.2/21

All: 147.708+/-0.023 χ^2/NDF: 4539010.2/45

- sign 145.254+/-0.032 χ^2/NDF: 2449920.8/23



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

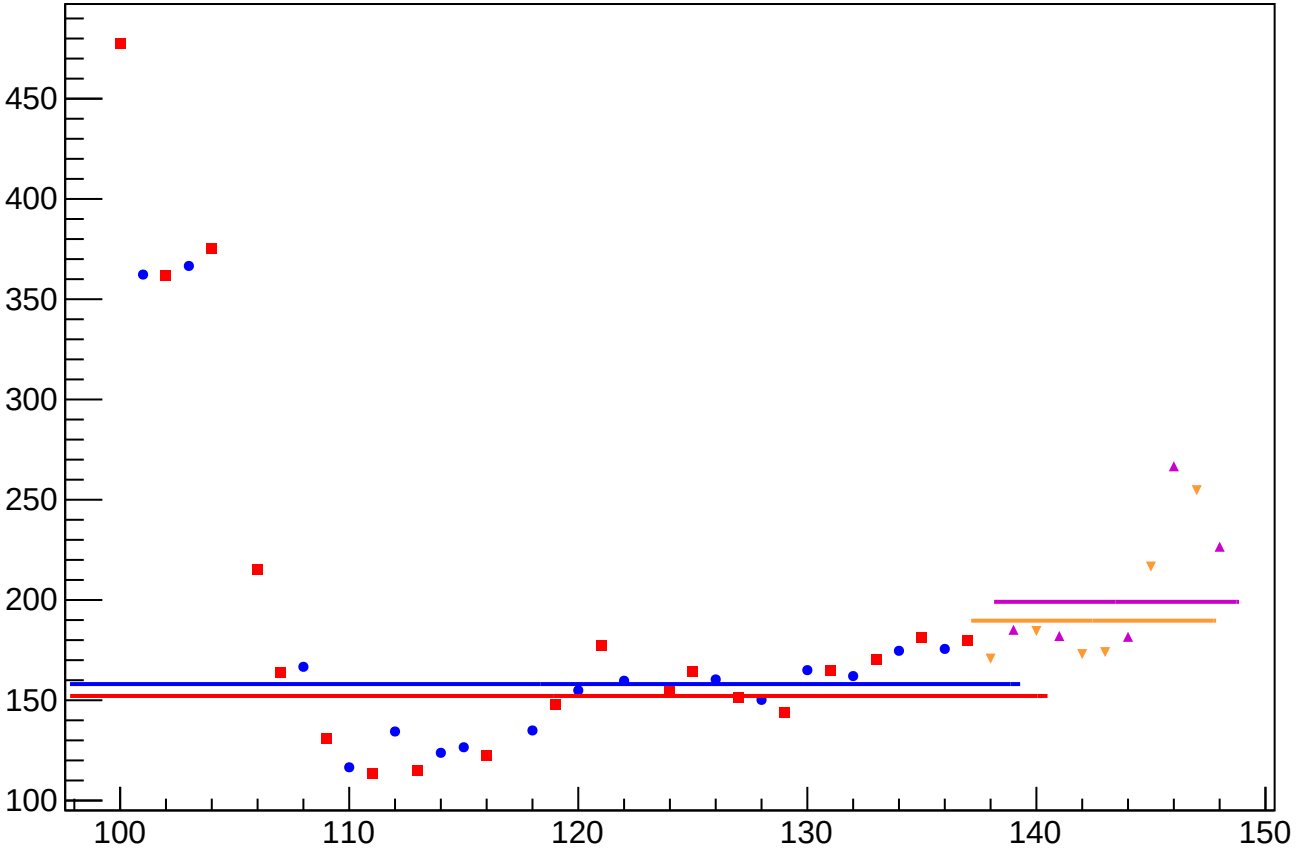
Left In: 137780.012+/-0.098 χ^2/NDF:133033435.5/4

+ sign 139238.023+/-0.052 χ^2/NDF: 2040814624.5

All: 139166.268+/-0.036 χ^2/NDF: 39095564

- sign 139096.592+/-0.051 χ^2/NDF: 1864948610.7/

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

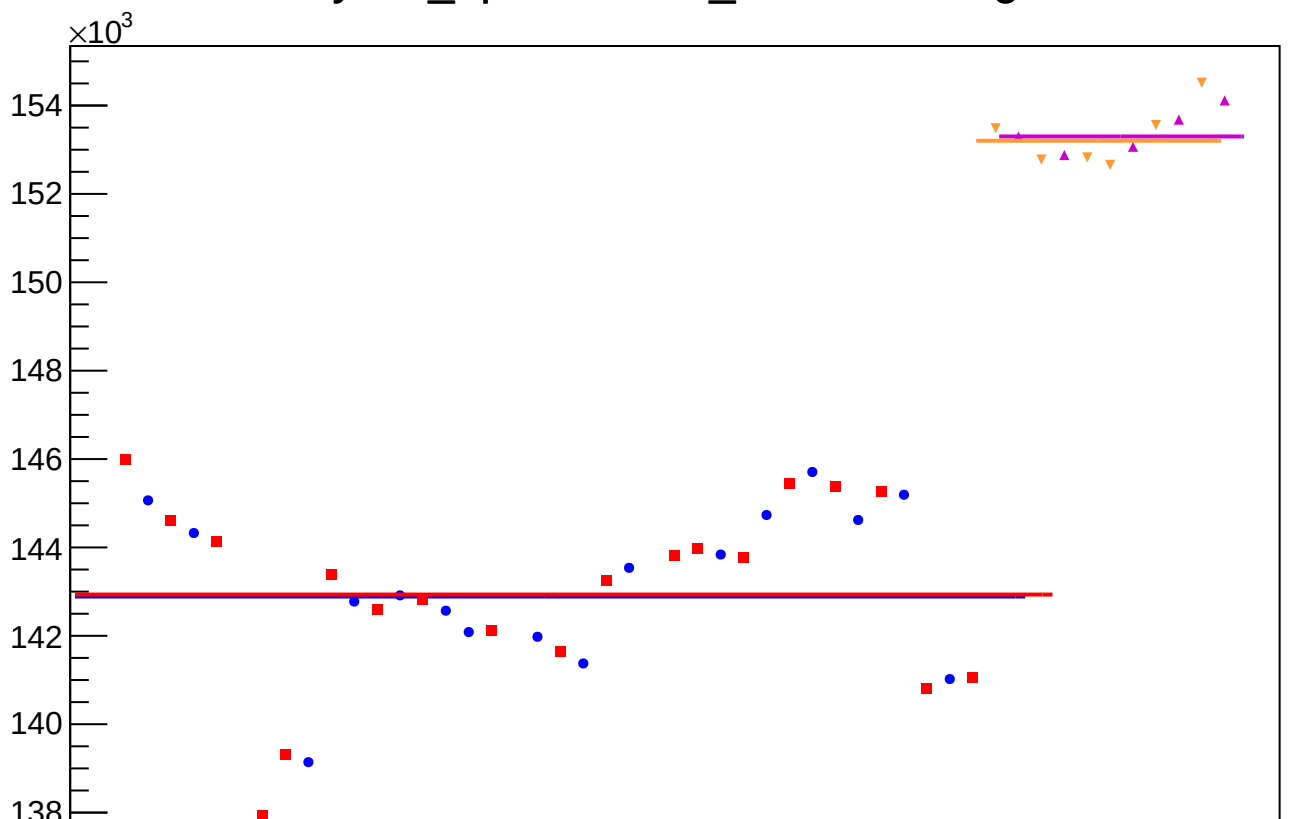
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.087+/-0.069 χ^2/NDF:175375.8/4

+ sign 168.104+/-0.037 χ^2/NDF: 1349251.9/21

All: 166.477+/-0.026 χ^2/NDF: 3093394.2/45

- sign 164.897+/-0.036 χ^2/NDF: 1740242.0/23



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

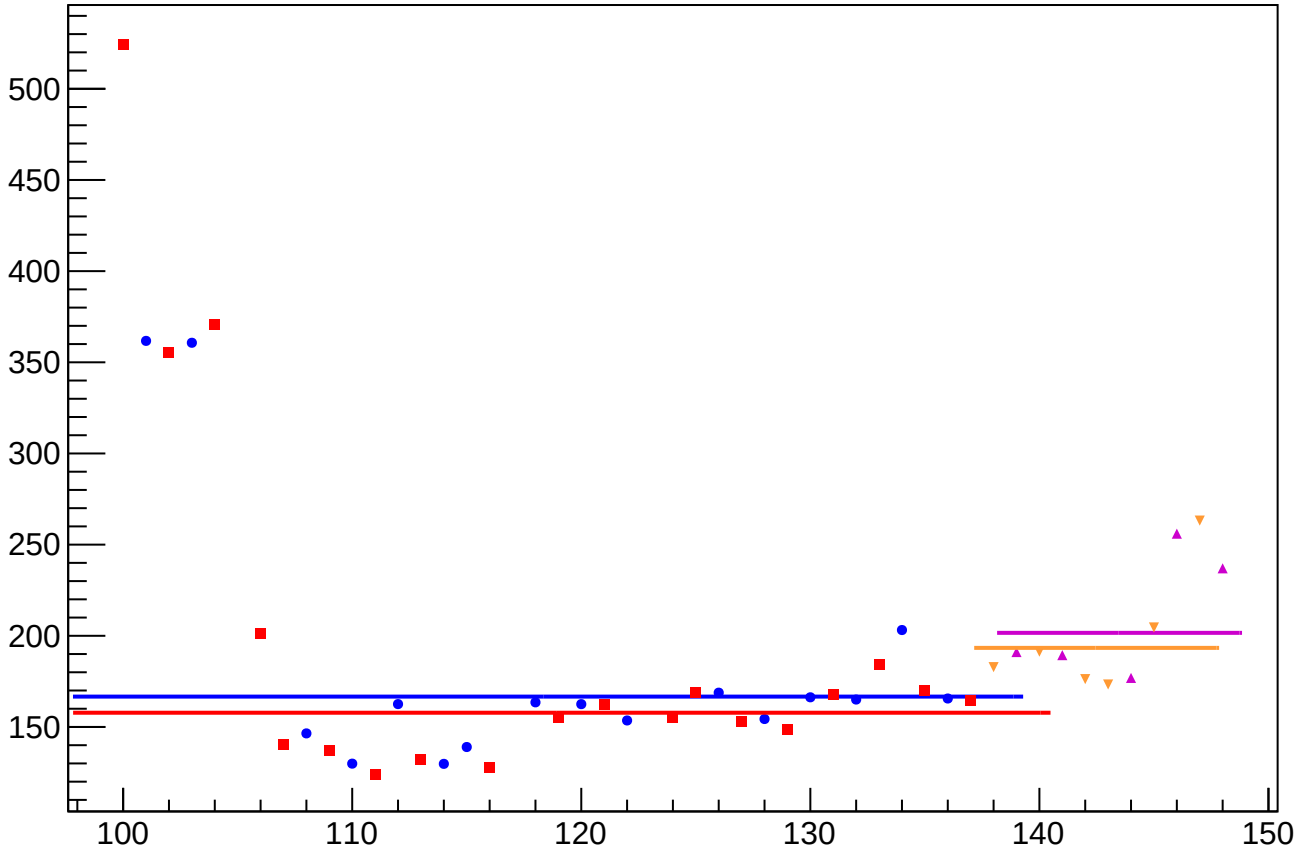
Left In: 153299.944+/-0.099 χ^2/NDF:17275656.5/4

+ sign 146296.000+/-0.054 χ^2/NDF: 8944923207.5

All: 146060.168+/-0.037 χ^2/NDF: 17735917

- sign 145837.673+/-0.052 χ^2/NDF: 8753586256.5/

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

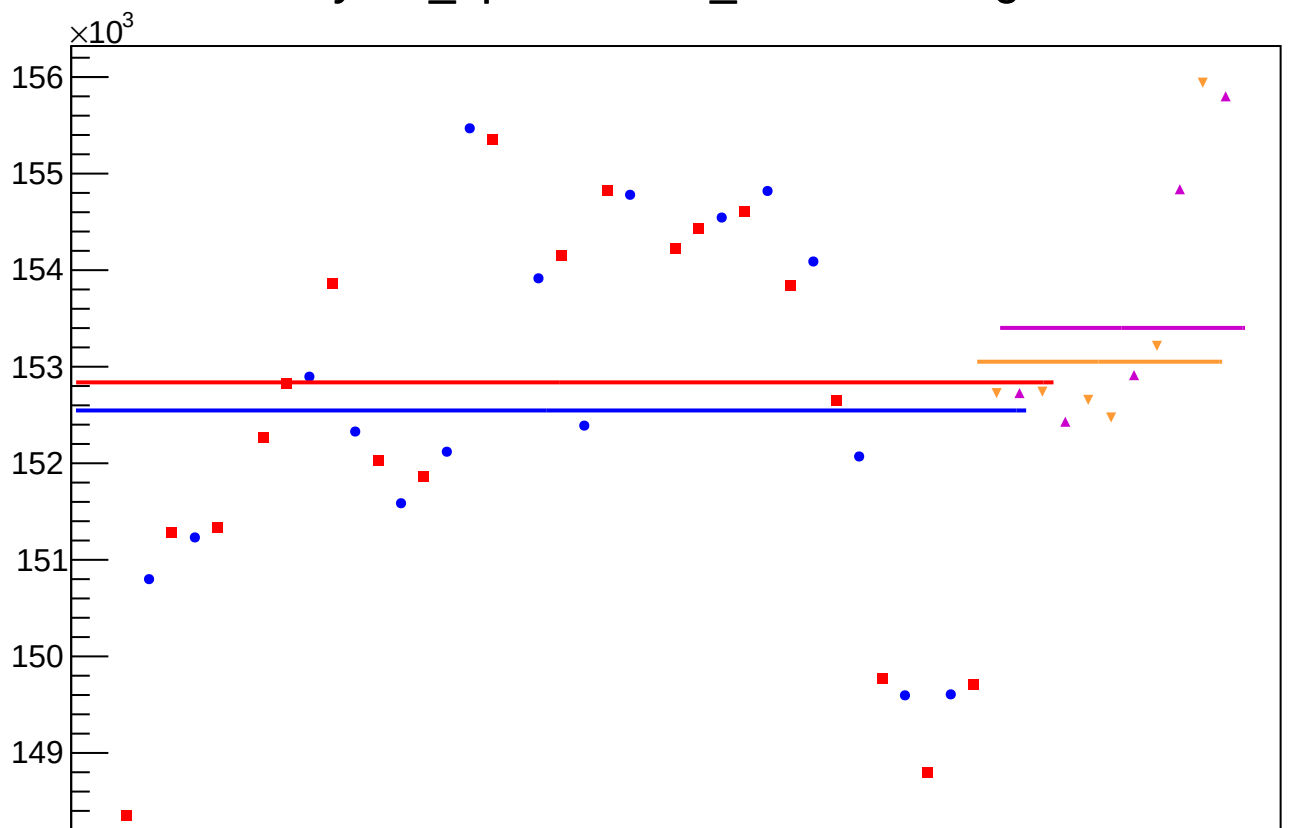
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.620+/-0.070 χ^2/NDF:161230.0/4

\+ sign 175.483+/-0.038 χ^2/NDF: 1126783.8/21

All: 172.704+/-0.026 χ^2/NDF: 2604711.1/45

\- sign 170.082+/-0.037 χ^2/NDF: 1467537.2/23



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

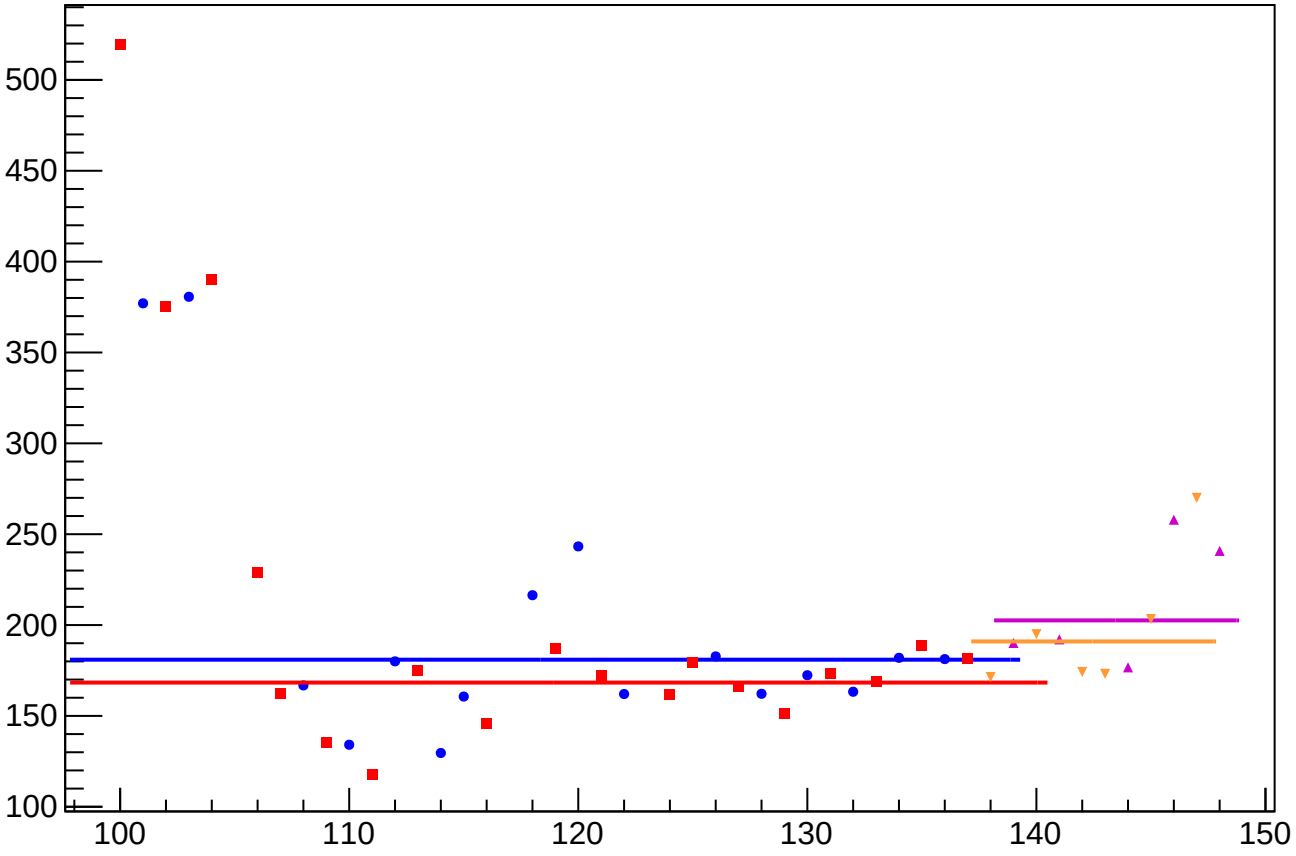
Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

+ sign 152740.047+/-0.057 χ^2/NDF: 783121196.6/2

All: 152881.310+/-0.040 χ^2/NDF: 17011329

- sign 153013.912+/-0.055 χ^2/NDF: 906131920.5/2

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

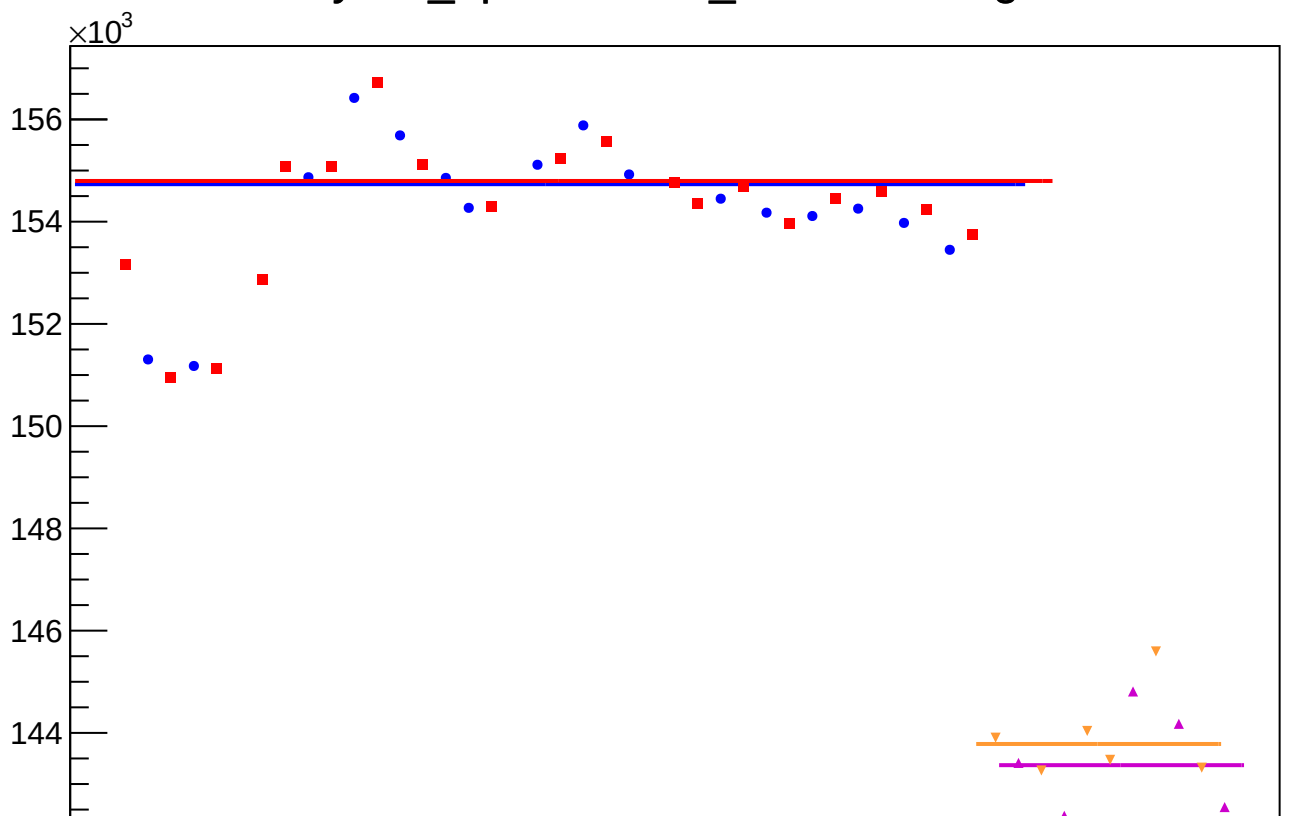
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

+ sign 184.781+/-0.040 χ^2/NDF: 1113623.3/21

All: 181.813+/-0.028 χ^2/NDF: 2549357.9/45

- sign 179.026+/-0.039 χ^2/NDF: 1425243.1/23



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

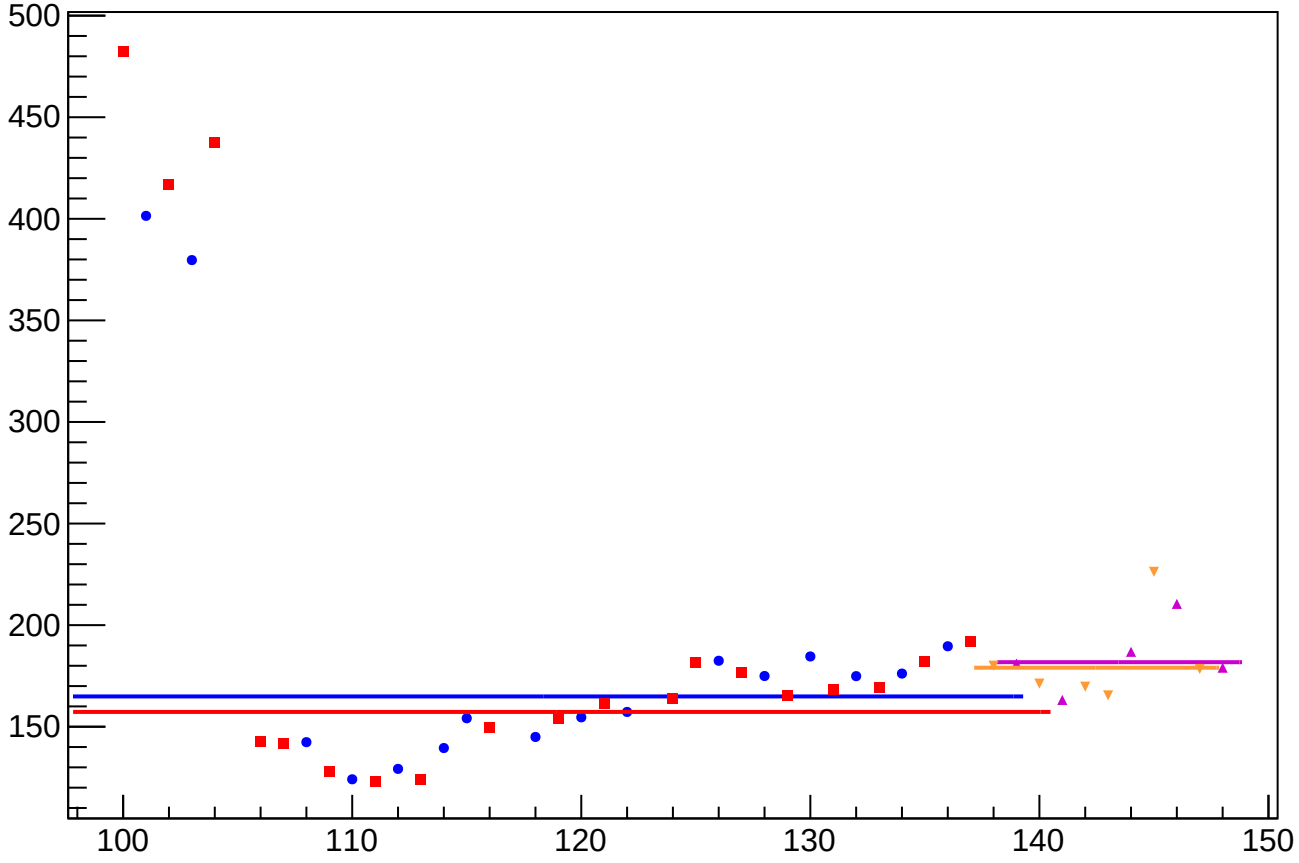
Left In: 143368.962+/-0.088 χ^2/NDF:115475633.5/4

+ sign 150710.905+/-0.052 χ^2/NDF: 10705105014.

All: 150899.115+/-0.036 χ^2/NDF: 22552124(

- sign 151075.123+/-0.050 χ^2/NDF: 11821527330.3

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

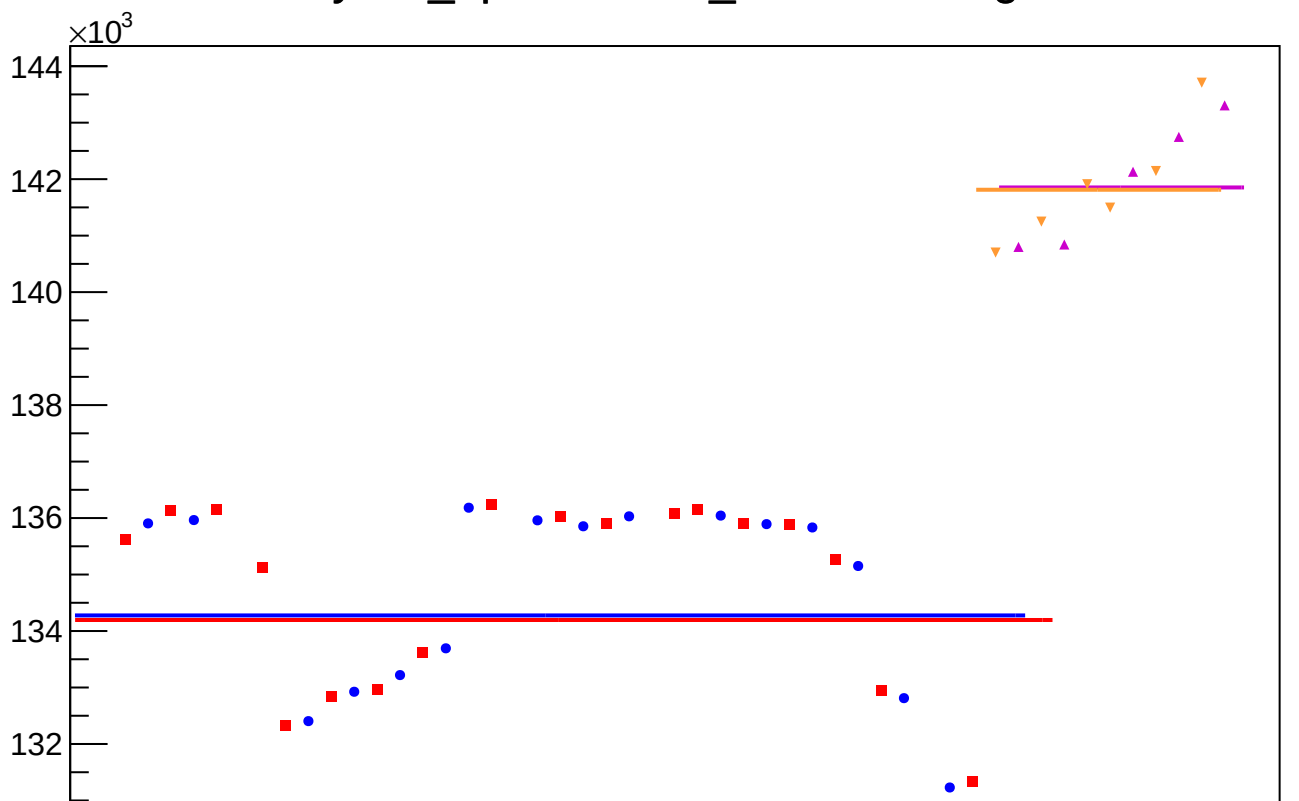
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 181.764+/-0.062 χ^2/NDF:56909.1/4

+ sign 170.099+/-0.037 χ^2/NDF: 1194254.3/21

All: 167.596+/-0.025 χ^2/NDF: 2619682.8/45

- sign 165.254+/-0.035 χ^2/NDF: 1416407.8/23



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

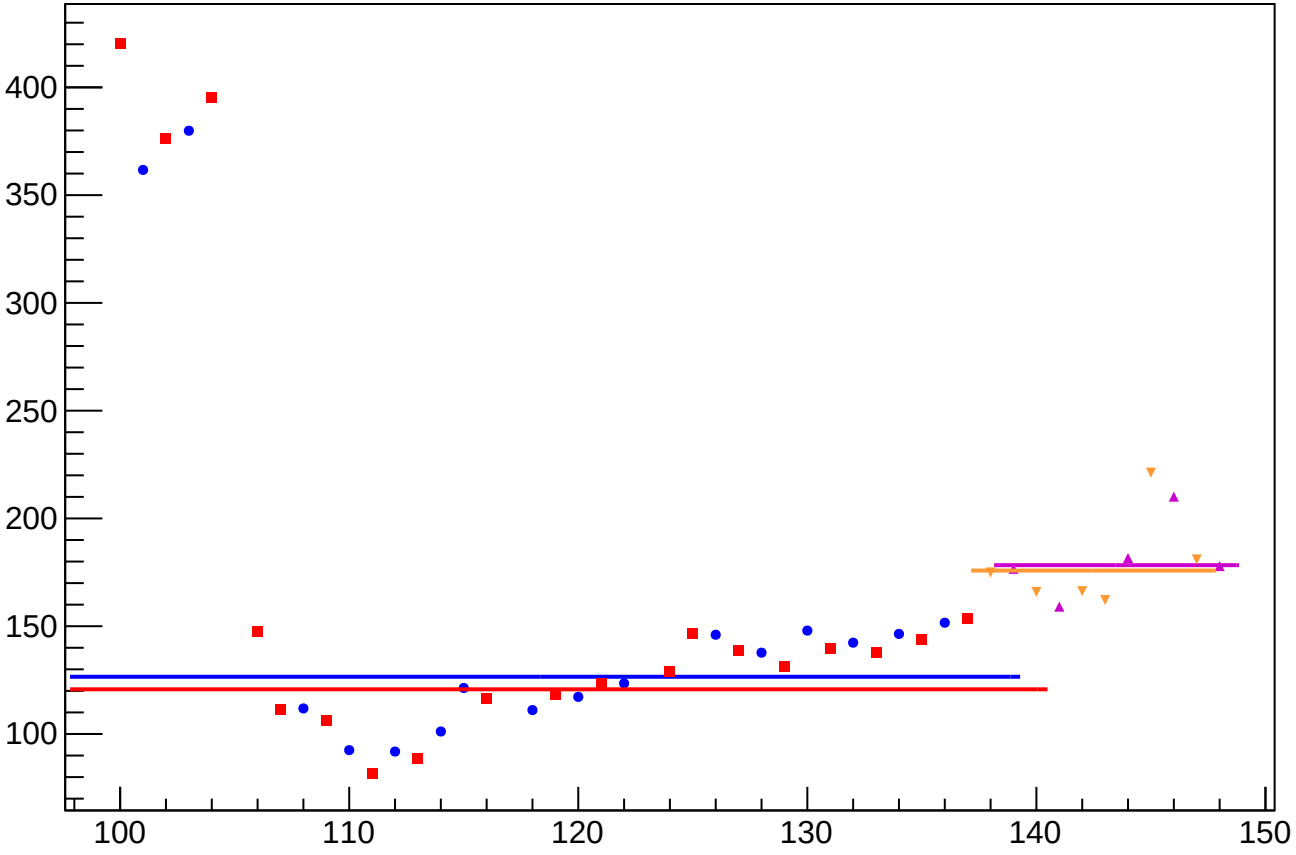
Left In: 141852.963+/-0.086 χ^2/NDF:137811132.7/4

+ sign 136290.841+/-0.044 χ^2/NDF: 7154976053.8

All: 136139.923+/-0.030 χ^2/NDF: 14525144

- sign 135999.642+/-0.042 χ^2/NDF: 7346947885.1/

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

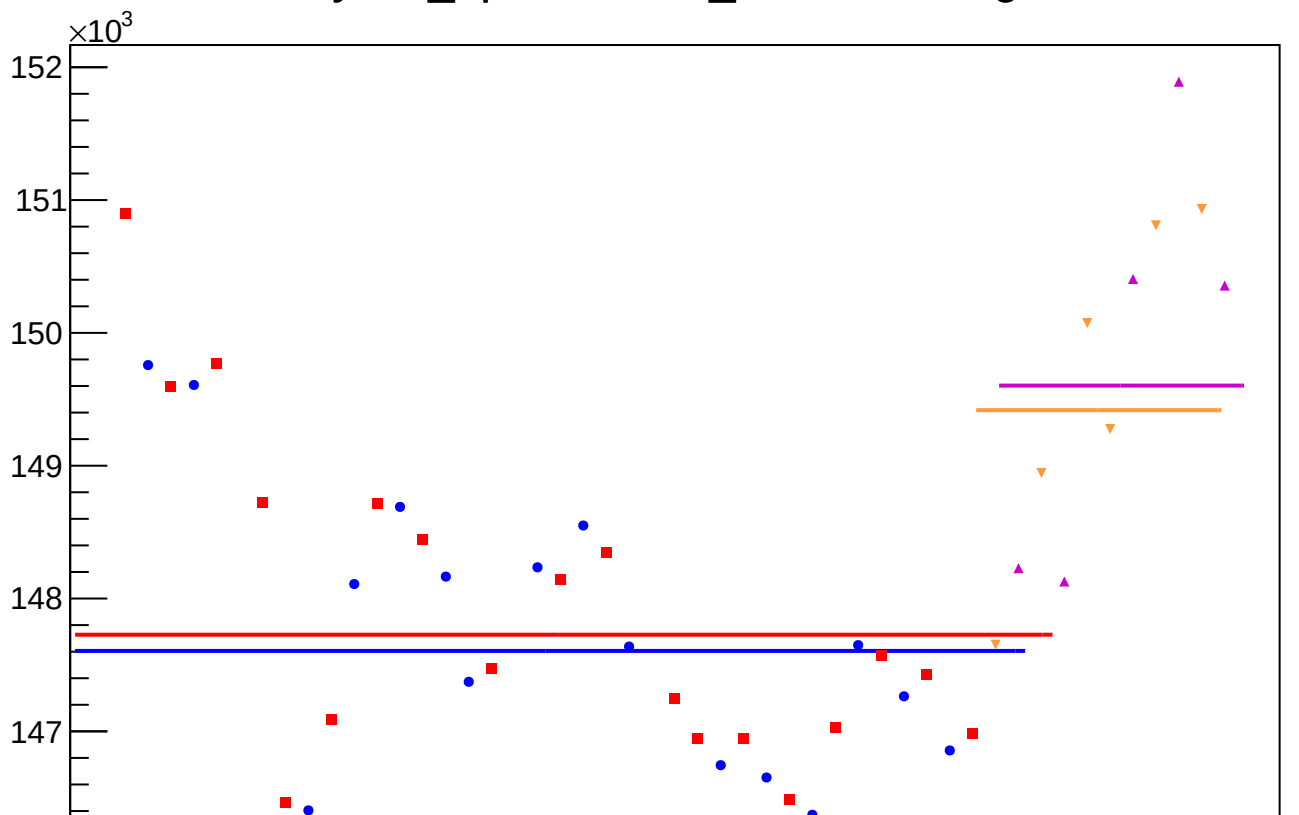
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.322+/-0.061 χ^2/NDF:66189.0/4

+ sign 139.724+/-0.031 χ^2/NDF: 2069055.9/21

All: 136.910+/-0.021 χ^2/NDF: 4463421.9/45

- sign 134.295+/-0.030 χ^2/NDF: 2378226.9/23



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

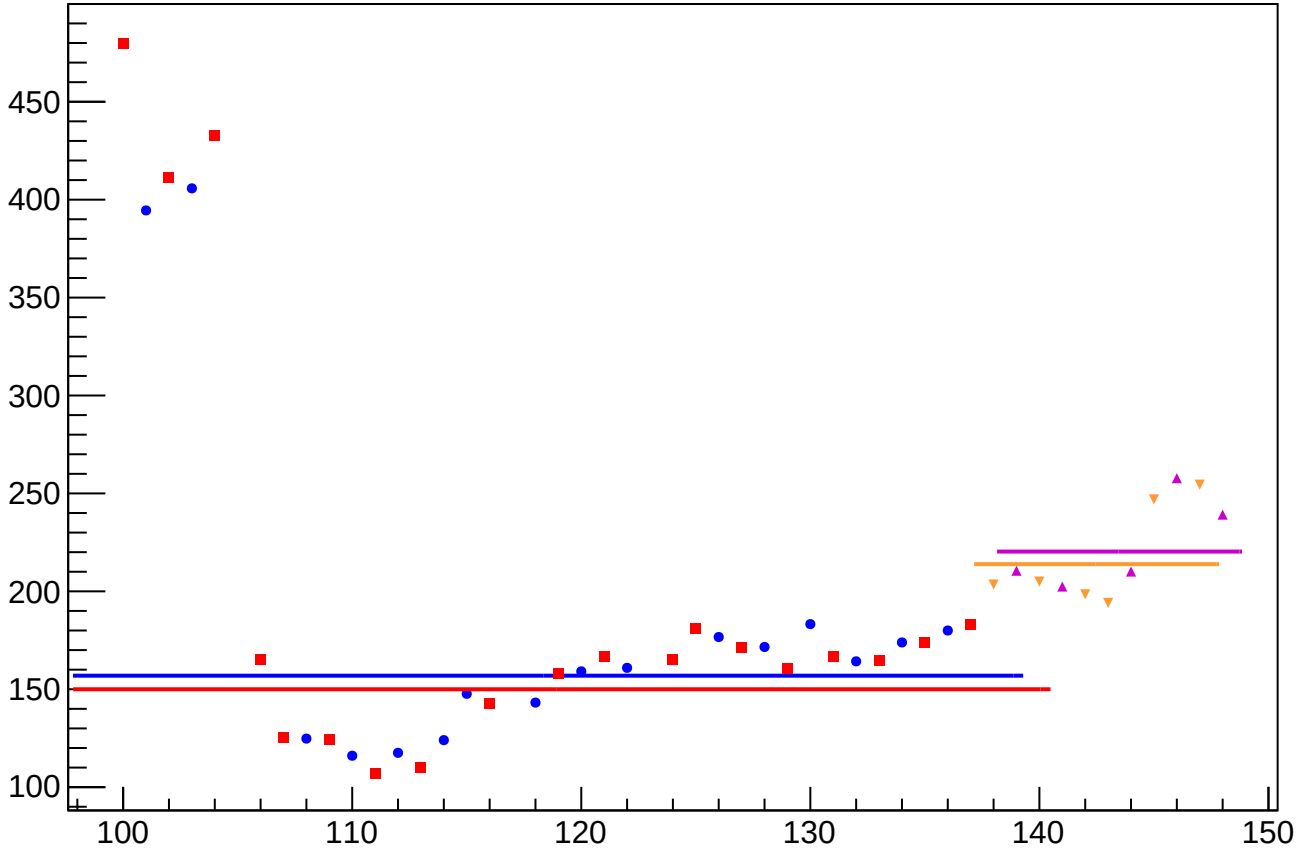
Left In: 149603.105+/-0.107 χ^2/NDF:172786997.6/4

+ sign 148097.884+/-0.053 χ^2/NDF: 550530081.7/2

All: 148133.592+/-0.037 χ^2/NDF: 11562692

- sign 148166.995+/-0.052 χ^2/NDF: 604871114.2/2

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

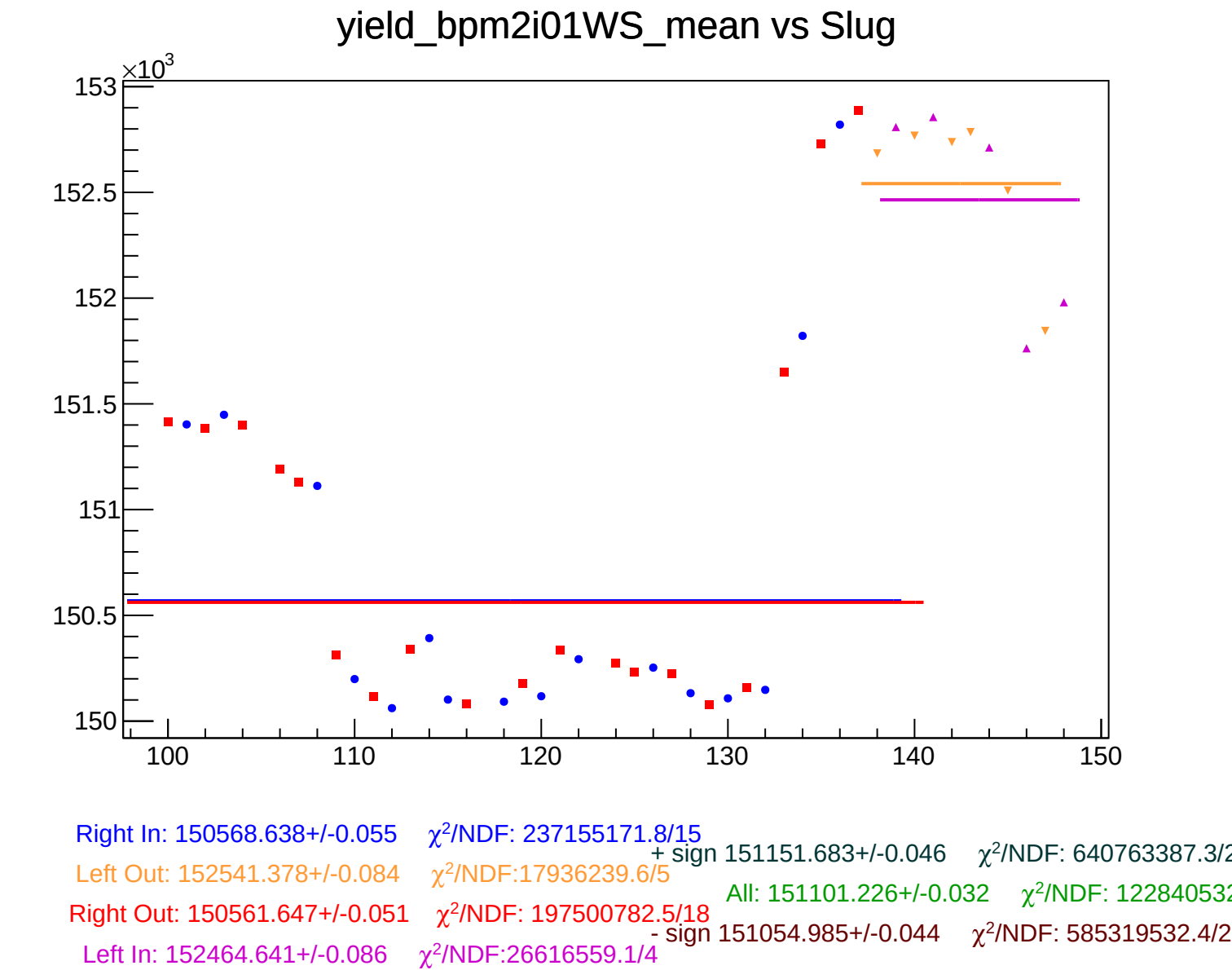
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 220.317+/-0.075 χ^2/NDF:69002.6/4

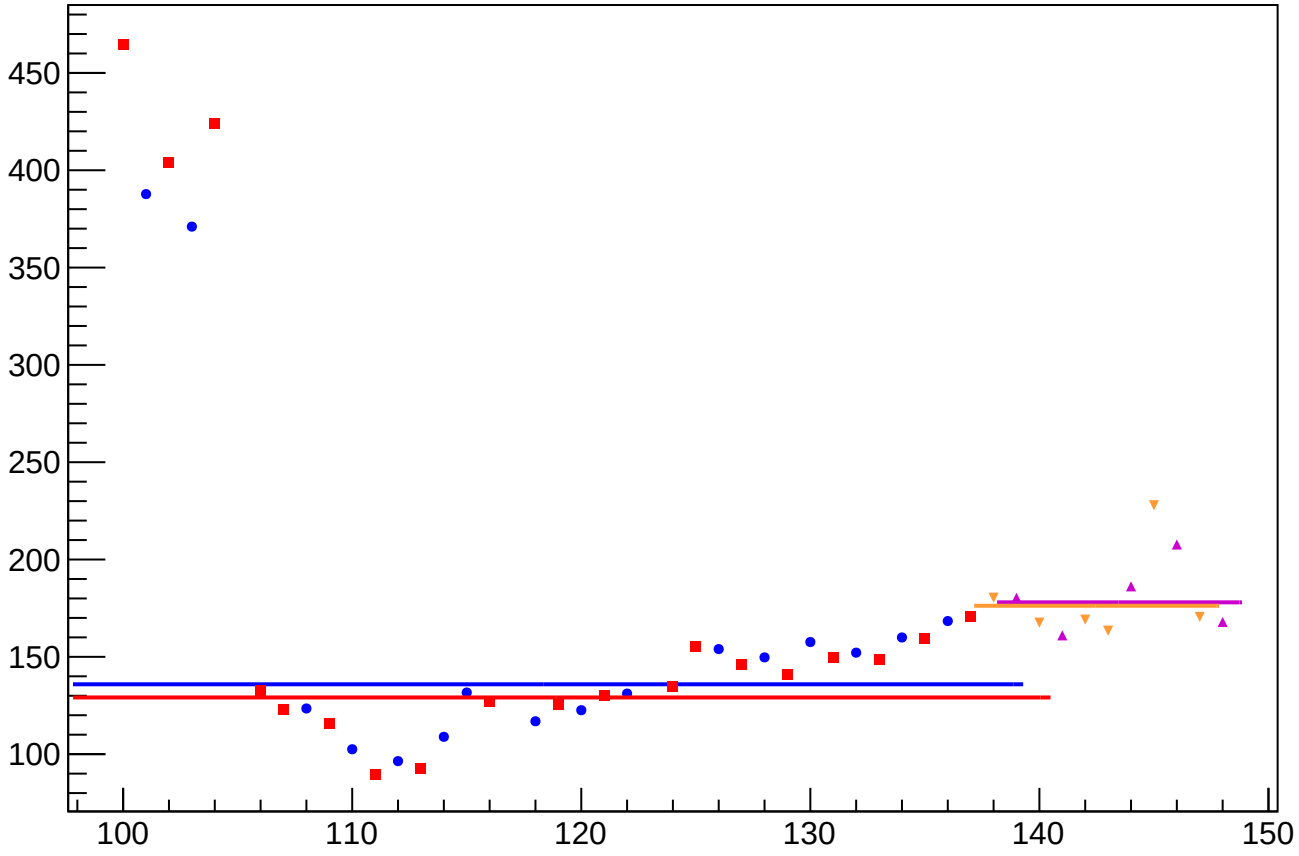
+ sign 172.400+/-0.038 χ^2/NDF: 1816728.8/21

All: 169.336+/-0.026 χ^2/NDF: 4019637.4/45

- sign 166.469+/-0.036 χ^2/NDF: 2190121.6/23


yield_bpm2i01WS_mean vs Slug
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
150
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: 152464.641+/-0.086 χ²/NDF:26616559.1/4
+ sign 151151.683+/-0.046 χ²/NDF: 640763387.3/2
All: 151101.226+/-0.032 χ²/NDF: 12284053
- sign 151054.985+/-0.044 χ²/NDF: 585319532.4/2

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

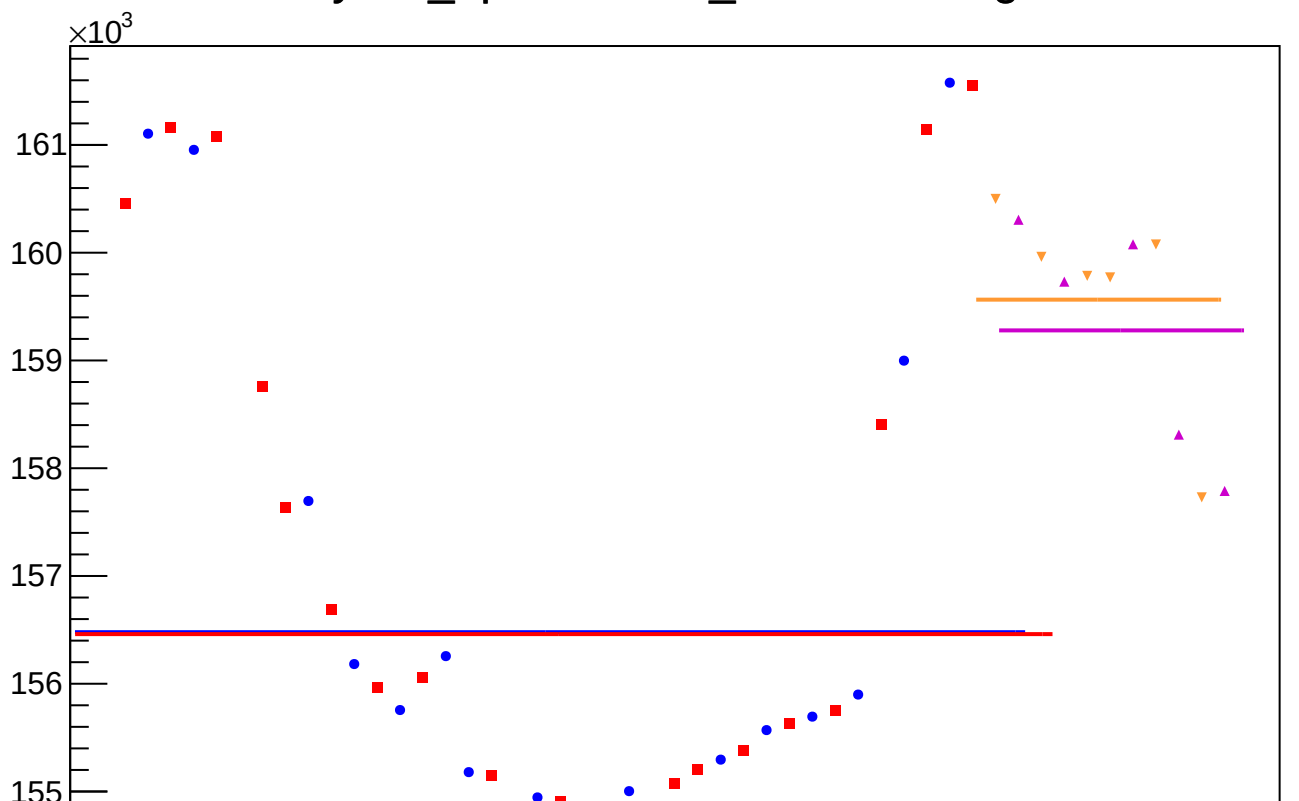
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

+ sign 147.821+/-0.032 χ^2/NDF: 1840121.5/21

All: 144.679+/-0.022 χ^2/NDF: 4013637.9/45

- sign 141.800+/-0.031 χ^2/NDF: 2155511.7/23



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

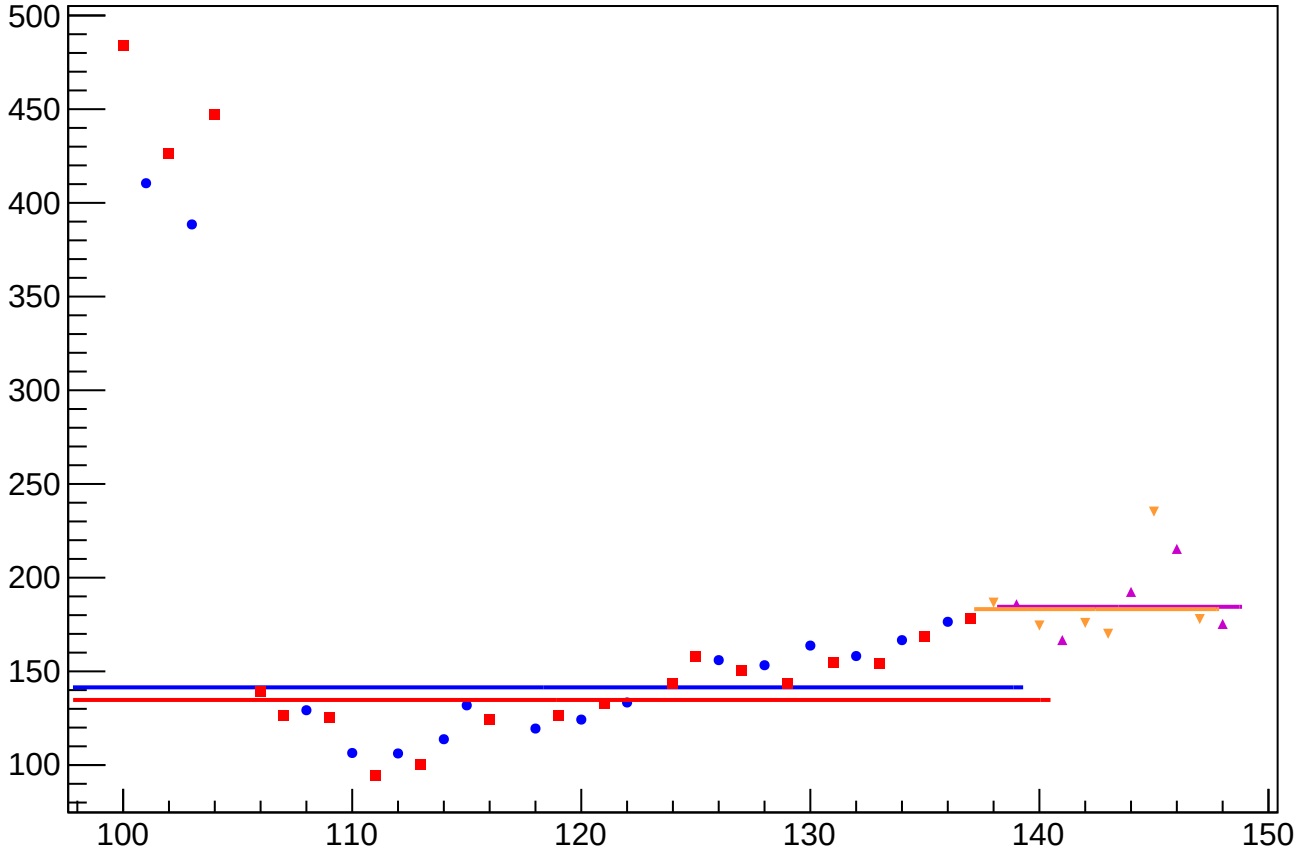
Left In: 159279.062+/-0.089 χ^2/NDF:124664457.1/4

+ sign 157392.372+/-0.048 χ^2/NDF: 2279311985.1

All: 157290.655+/-0.033 χ^2/NDF: 42489947

- sign 157197.319+/-0.046 χ^2/NDF: 1960949586.1/

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

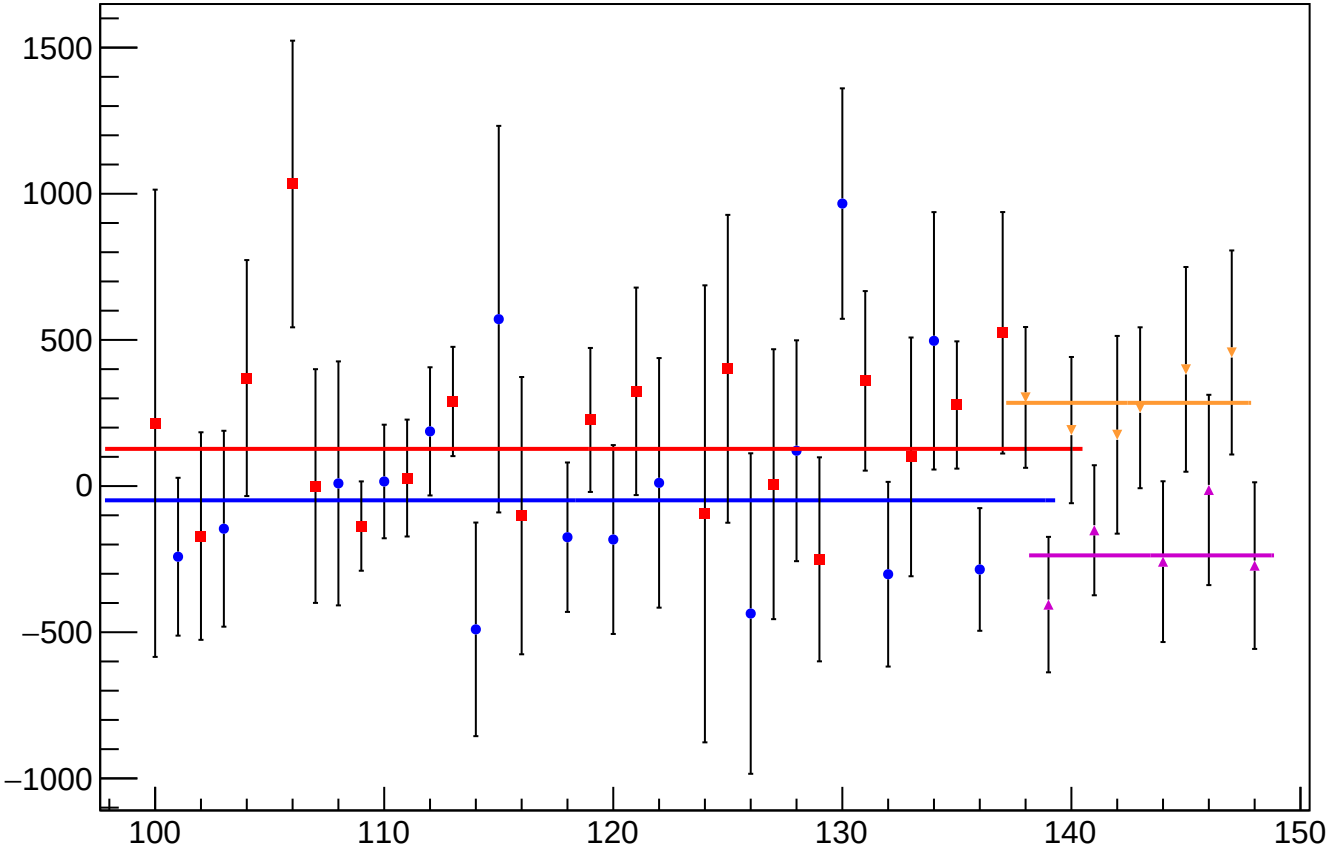
Left In: 184.455+/-0.063 χ^2/NDF:63263.9/4

+ sign 153.834+/-0.034 χ^2/NDF: 1807714.9/21

All: 150.656+/-0.023 χ^2/NDF: 3924778.6/45

- sign 147.740+/-0.032 χ^2/NDF: 2100014.6/23

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

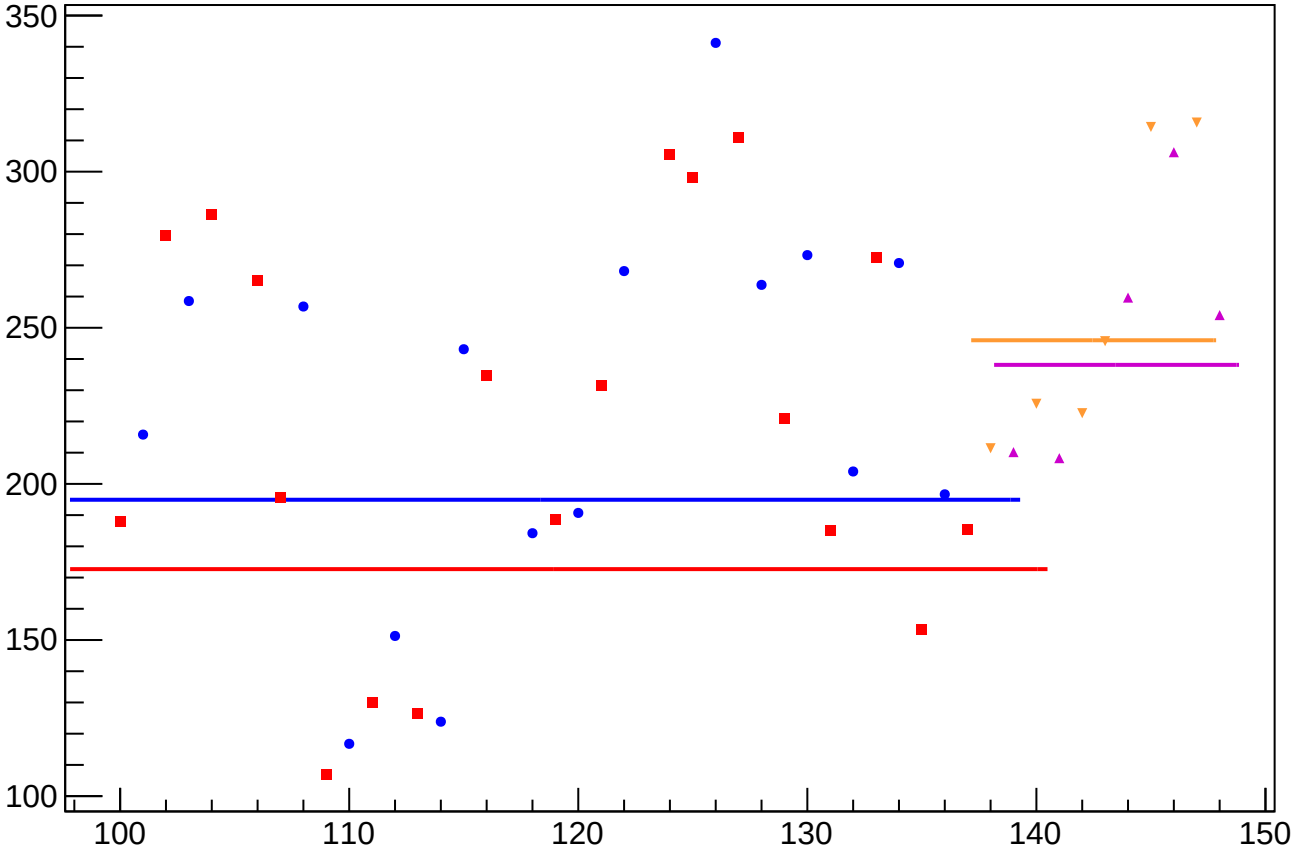
Left In: -237.107+/-116.407 χ^2/NDF:1.2/4

+ sign 49.824+/-64.283 χ^2/NDF: 21.6/21

All: 40.980+/-43.484 χ^2/NDF: 43.0/45

- sign 33.520+/-59.041 χ^2/NDF: 21.3/23

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

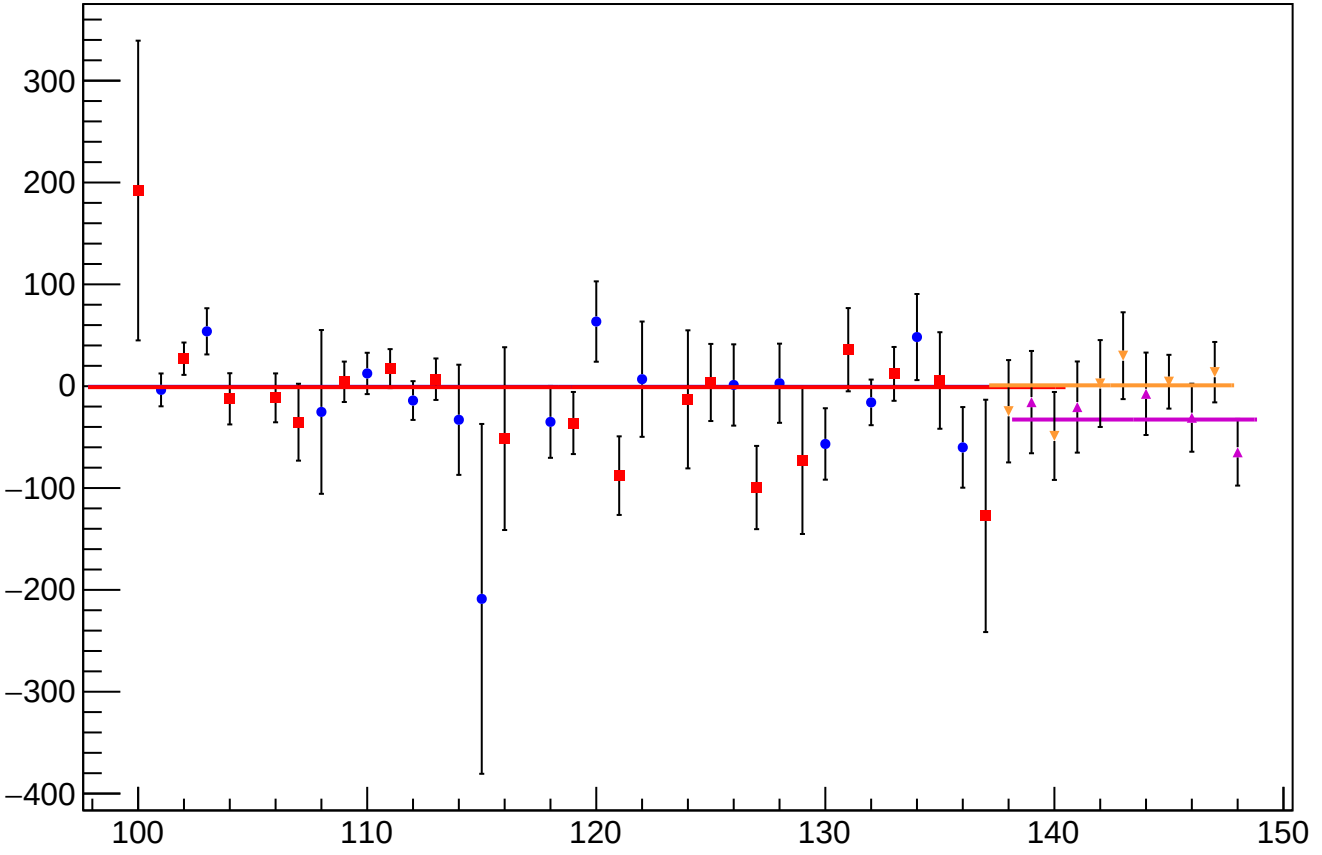
Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

+ sign 210.020+/-0.045 χ^2/NDF: 1511733.3/21

All: 198.907+/-0.031 χ^2/NDF: 3893664.9/45

- sign 189.532+/-0.042 χ^2/NDF: 2271733.1/23

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

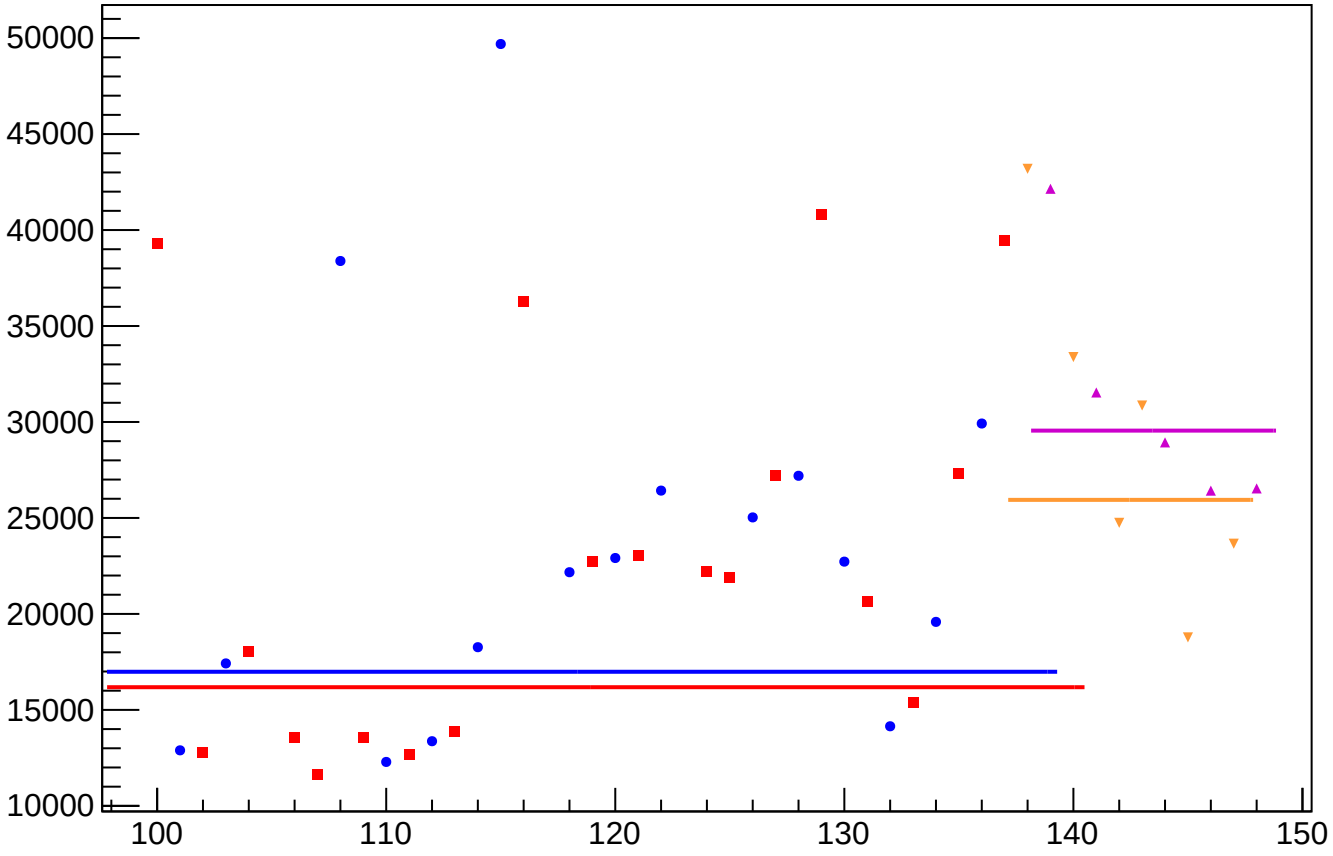
Left In: -32.743+/-17.315 χ^2/NDF:1.5/4

+ sign -0.330+/-6.571 χ^2/NDF: 21.1/21

All: -2.841+/-4.548 χ^2/NDF: 49.0/45

- sign -5.152+/-6.303 χ^2/NDF: 27.5/23

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25941.881+/-10.422 χ^2/NDF:482300.2/5

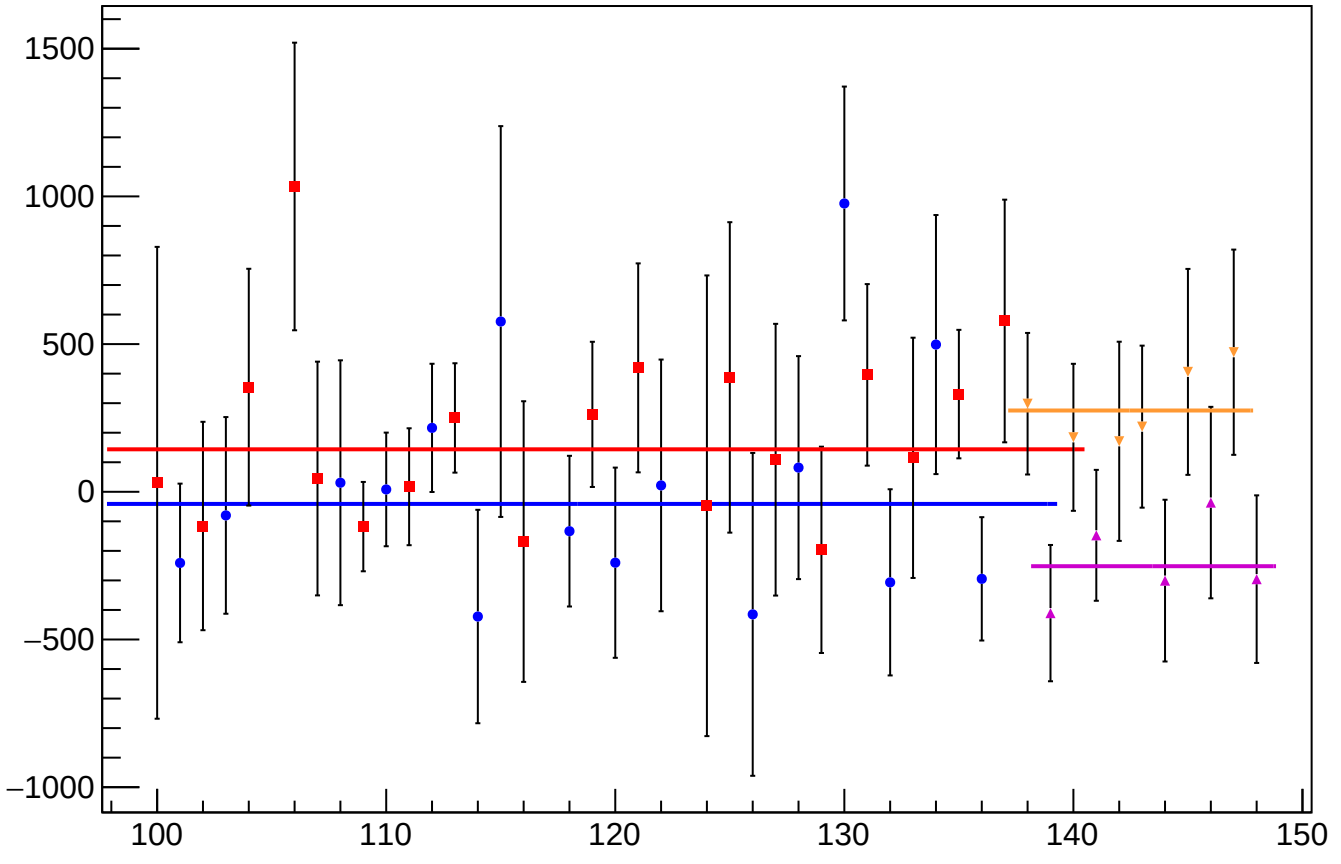
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 29550.203+/-12.244 χ^2/NDF:164702.7/4

+ sign 18766.052+/-4.646 χ^2/NDF: 2267996.1/21

All: 18342.726+/-3.216 χ^2/NDF: 4734315.9/4

- sign 17953.205+/-4.457 χ^2/NDF: 2450379.2/23



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

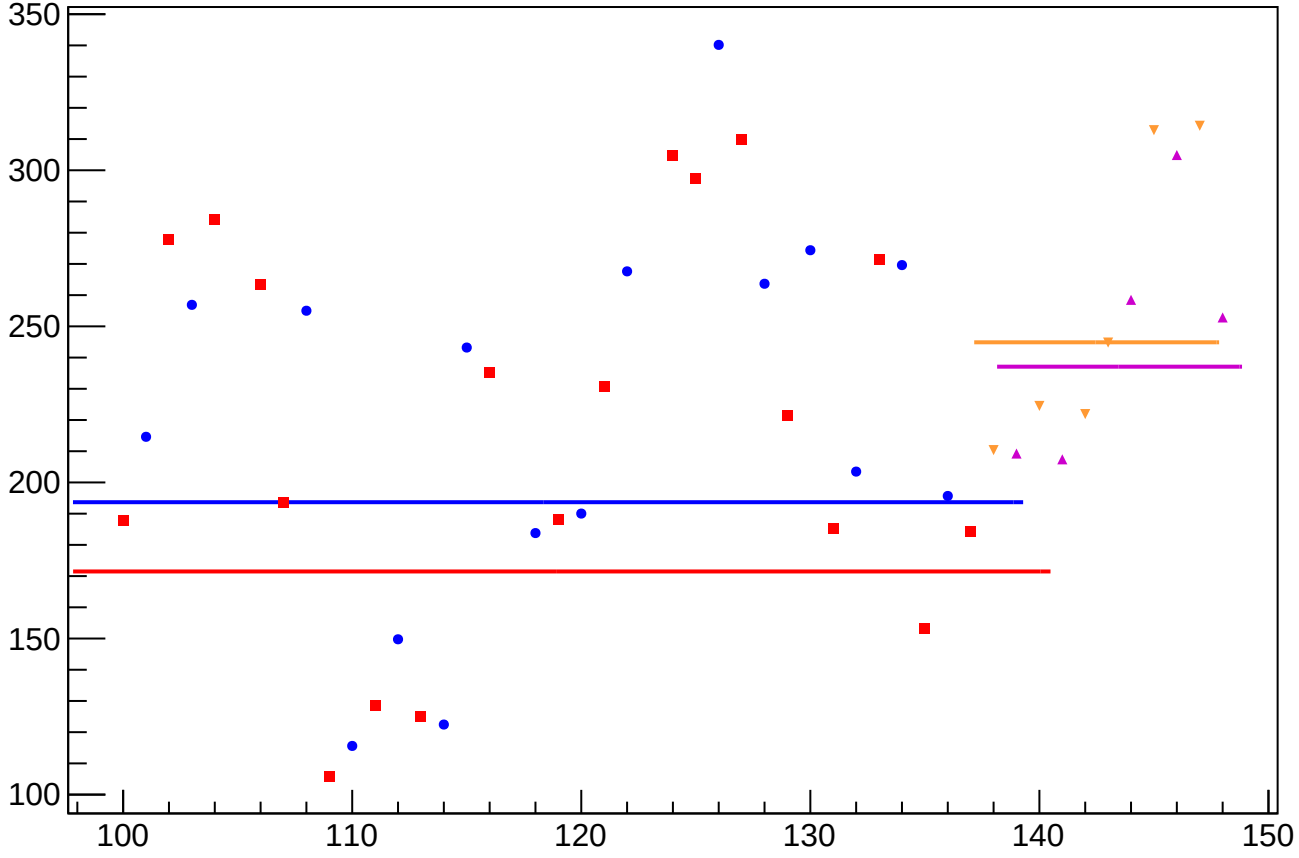
Left In: -251.881+/-115.899 χ^2/NDF:1.2/4

+ sign 52.275+/-63.940 χ^2/NDF: 21.3/21

All: 46.868+/-43.242 χ^2/NDF: 44.2/45

- sign 42.310+/-58.702 χ^2/NDF: 22.9/23

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

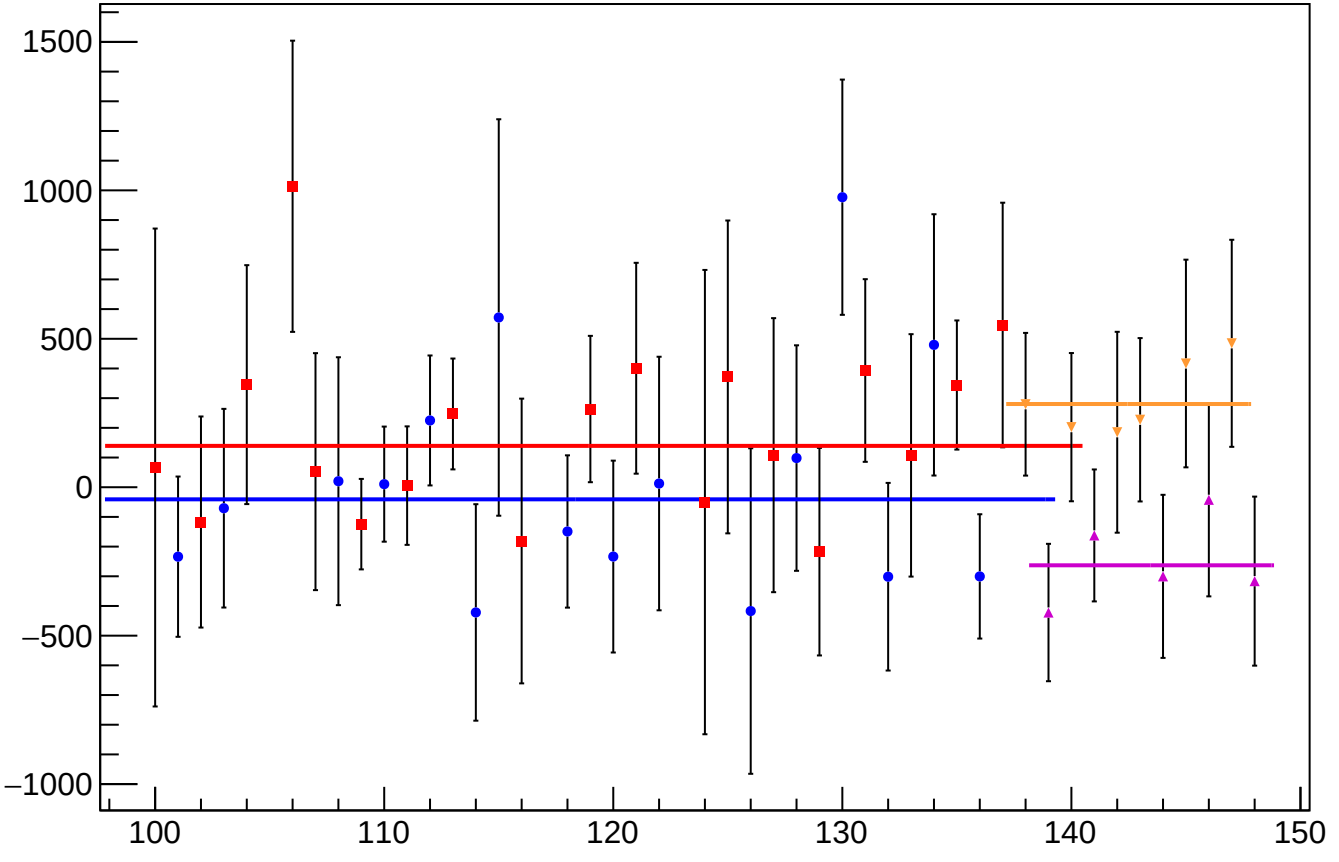
Left In: 237.083+/-0.082 χ^2/NDF:170934.5/4

+ sign 208.785+/-0.045 χ^2/NDF: 1536745.1/21

All: 197.676+/-0.031 χ^2/NDF: 3948288.6/45

- sign 188.312+/-0.042 χ^2/NDF: 2300284.2/23

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

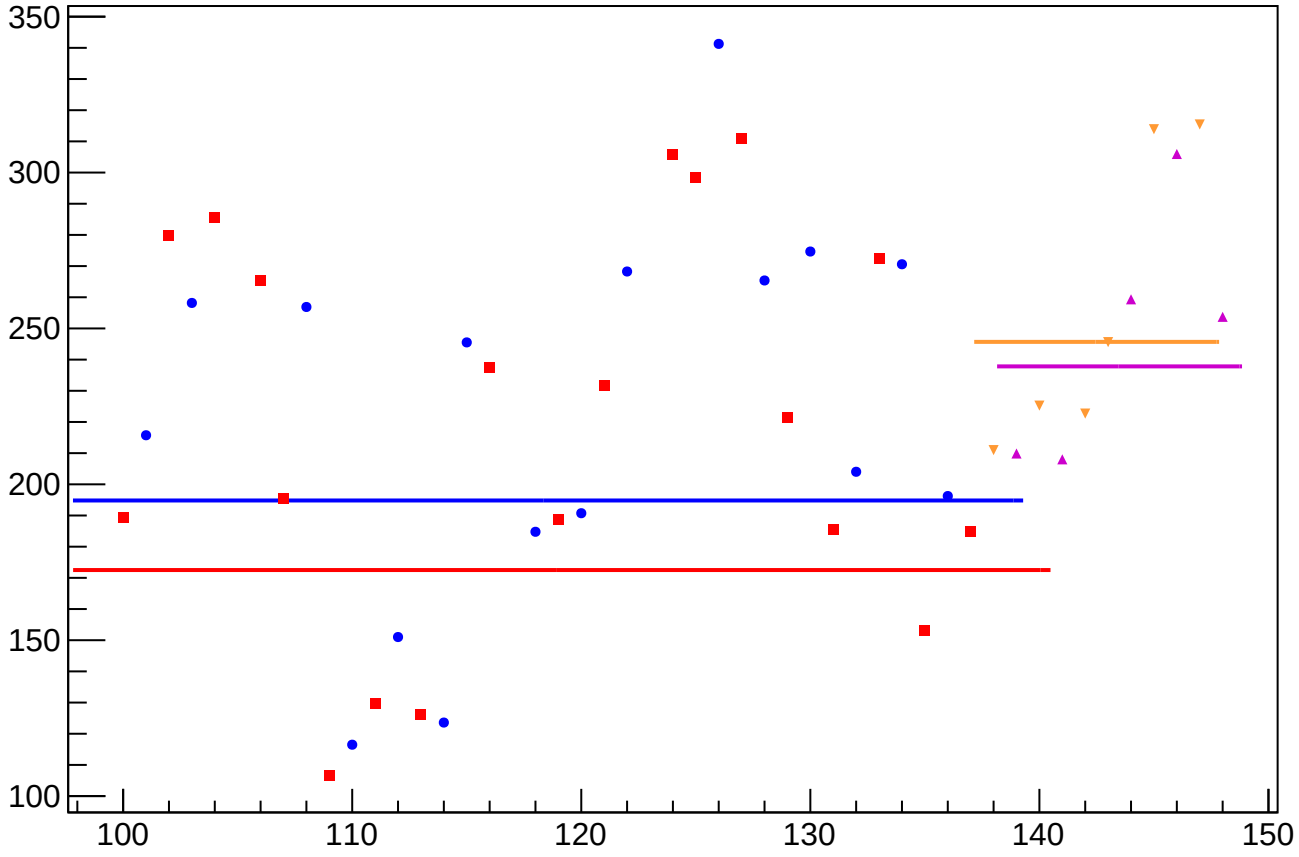
Left In: -262.984+/-116.270 χ^2/NDF:1.2/4

\+ sign 54.251+/-64.253 χ^2/NDF: 21.3/21

All: 44.203+/-43.455 χ^2/NDF: 44.3/45

\- sign 35.733+/-58.993 χ^2/NDF: 23.0/23

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

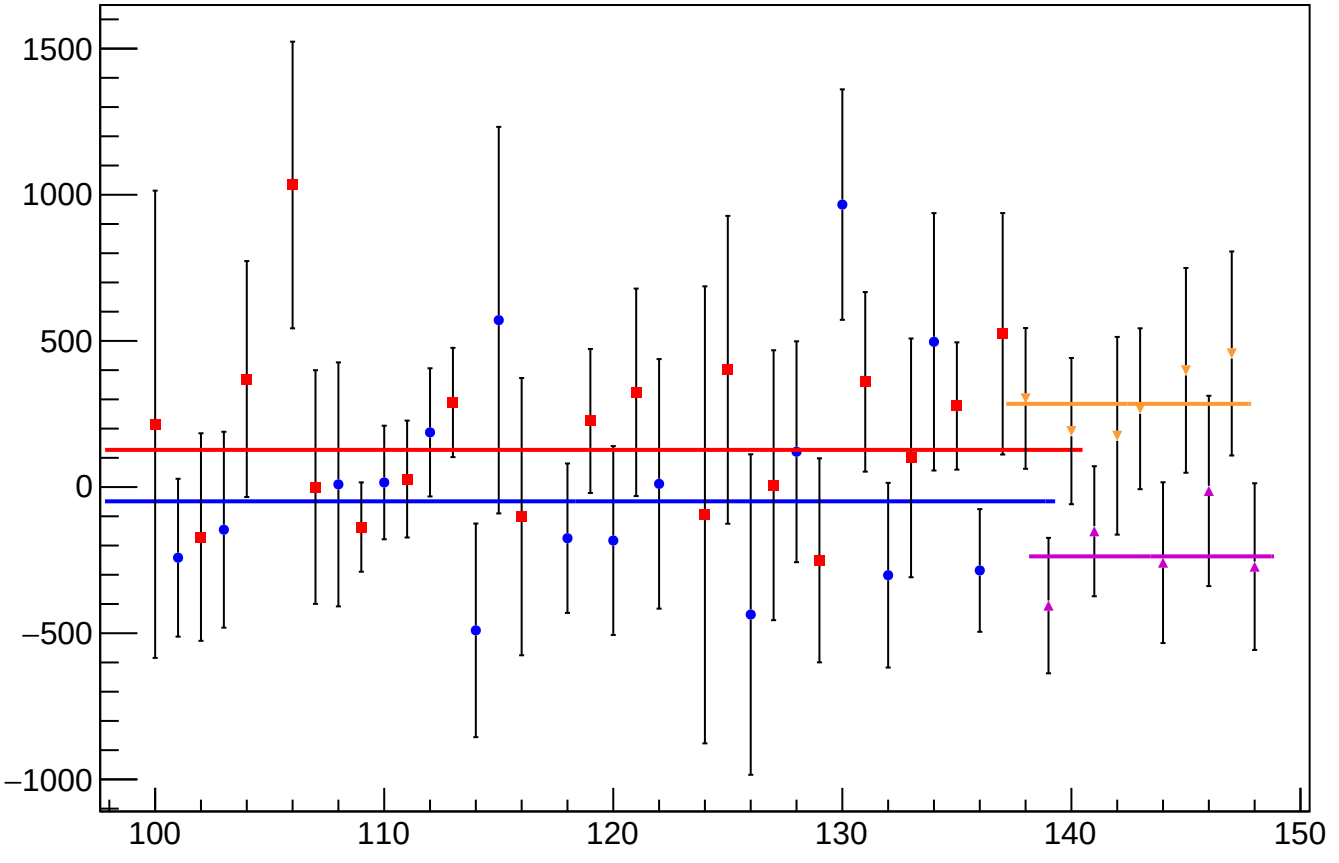
Left In: 237.829+/-0.082 χ^2/NDF:171425.6/4

+ sign 209.879+/-0.045 χ^2/NDF: 1520831.8/21

All: 198.725+/-0.031 χ^2/NDF: 3914147.0/45

- sign 189.323+/-0.042 χ^2/NDF: 2282245.3/23

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

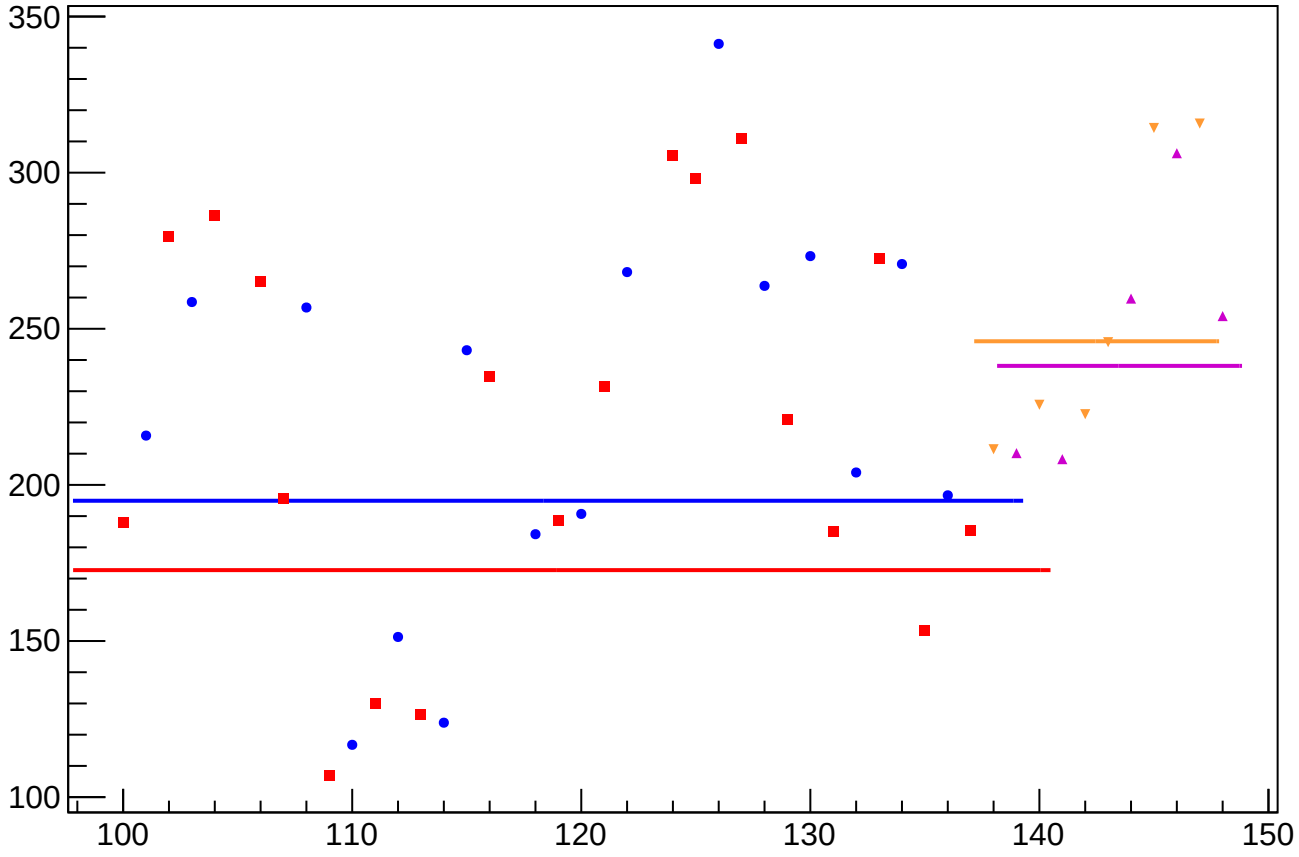
Left In: -237.107+/-116.407 χ^2/NDF:1.2/4

+ sign 49.824+/-64.283 χ^2/NDF: 21.6/21

All: 40.980+/-43.484 χ^2/NDF: 43.0/45

- sign 33.520+/-59.041 χ^2/NDF: 21.3/23

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

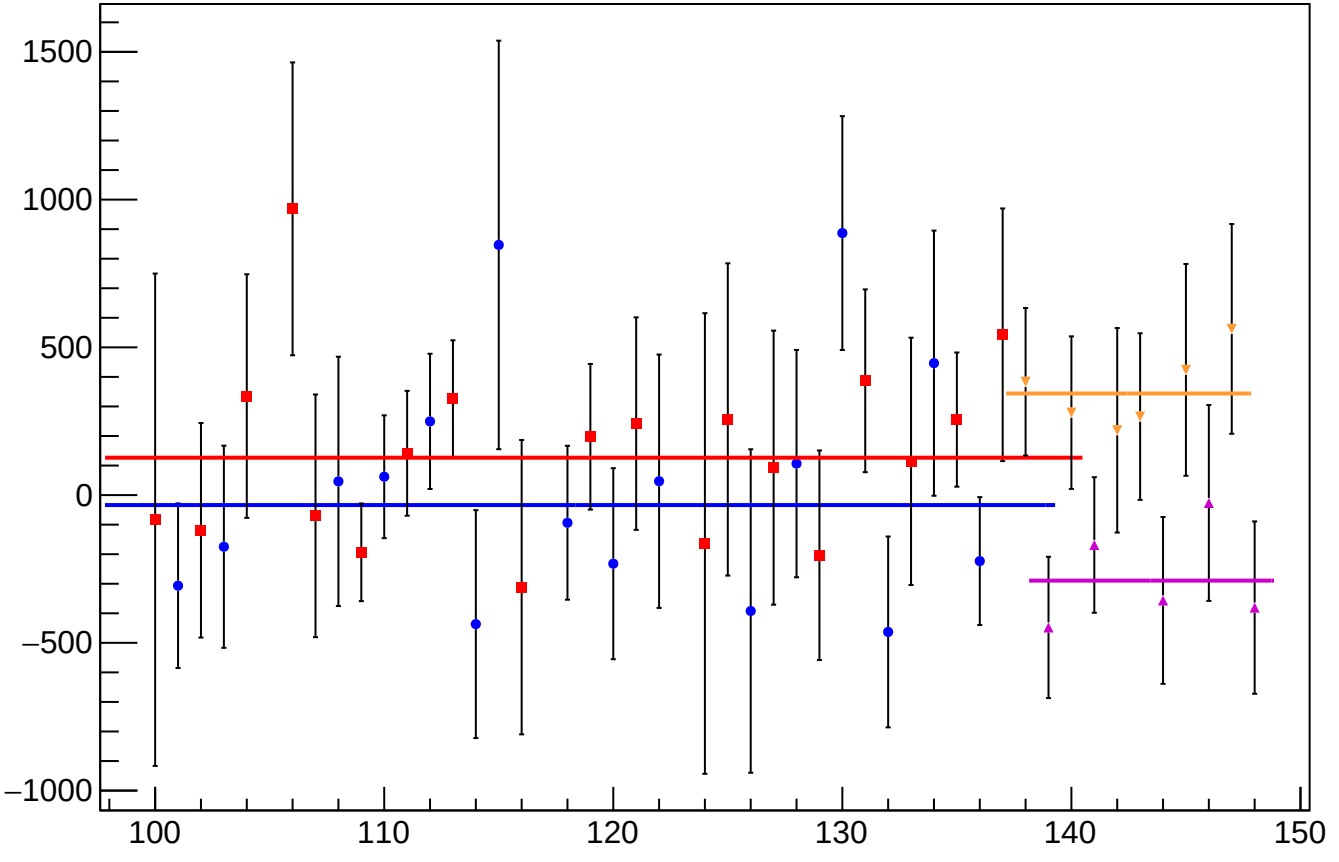
Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

+ sign 210.020+/-0.045 χ^2/NDF: 1511733.3/21

All: 198.907+/-0.031 χ^2/NDF: 3893664.9/45

- sign 189.532+/-0.042 χ^2/NDF: 2271733.1/23

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

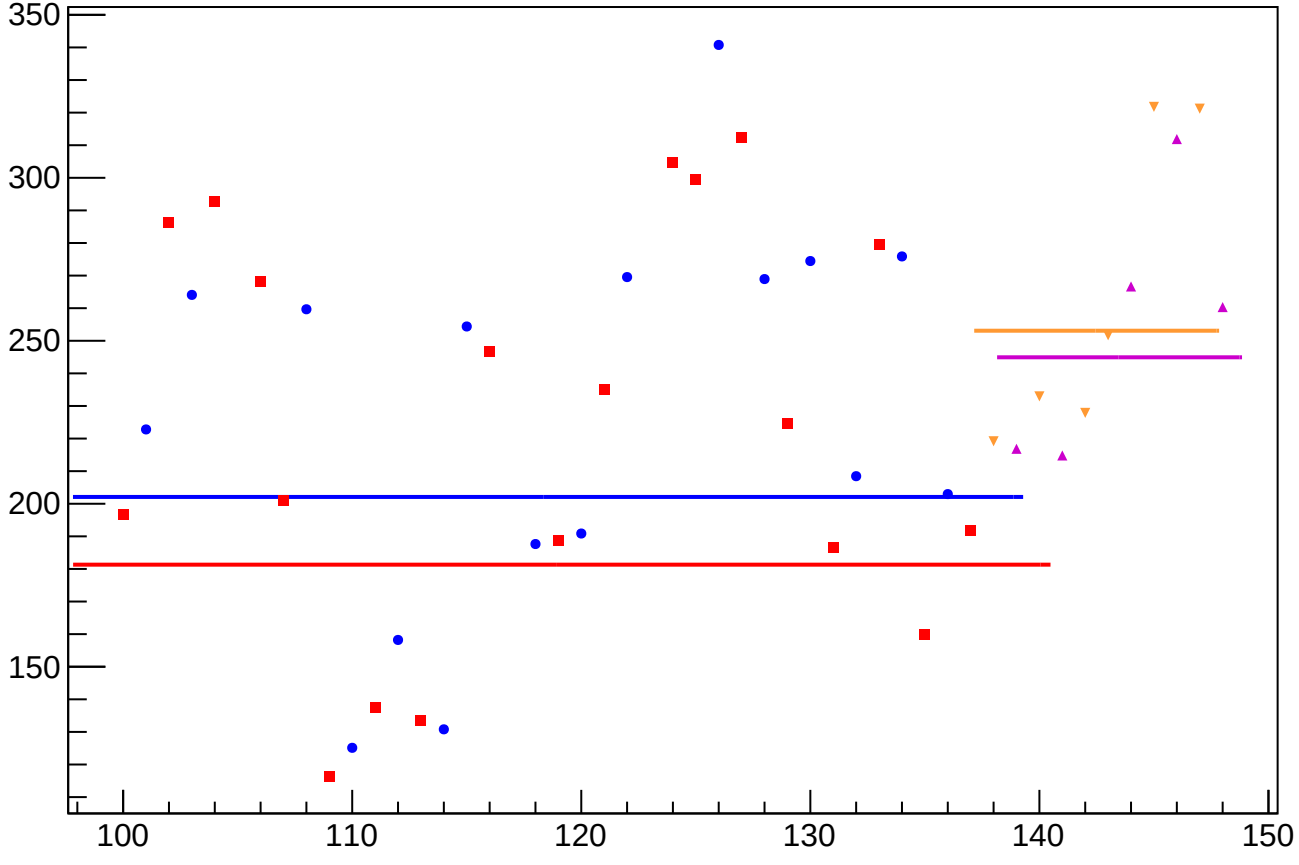
Left In: -289.436+/-119.595 χ^2/NDF:1.5/4

+ sign 78.418+/-66.232 χ^2/NDF: 23.3/21

All: 45.557+/-44.968 χ^2/NDF: 46.8/45

- sign 17.457+/-61.248 χ^2/NDF: 23.1/23

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

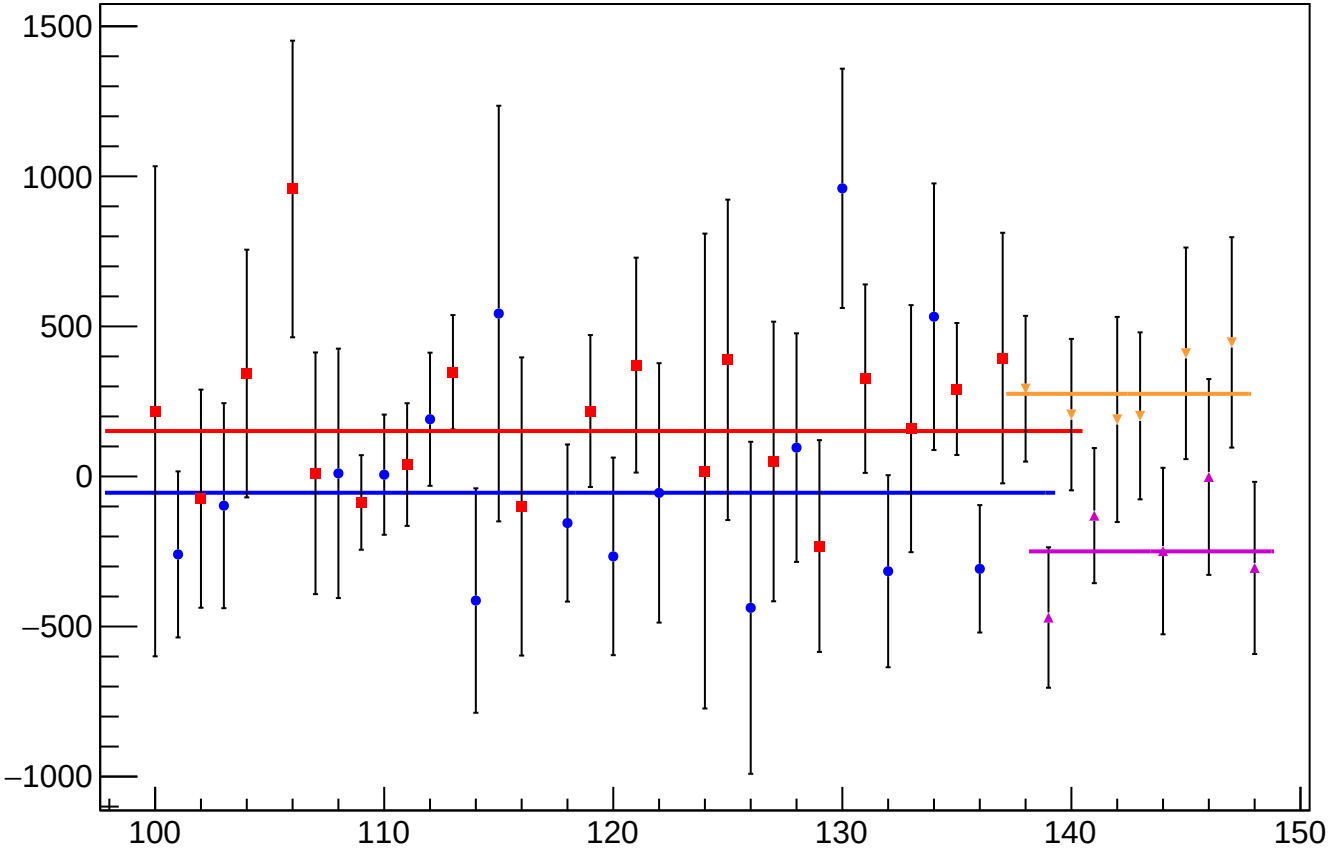
Left In: 244.931+/-0.085 χ^2/NDF:161129.9/4

+ sign 217.239+/-0.047 χ^2/NDF: 1364724.7/21

All: 206.867+/-0.032 χ^2/NDF: 3475343.9/45

- sign 197.998+/-0.043 χ^2/NDF: 2019637.9/23

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

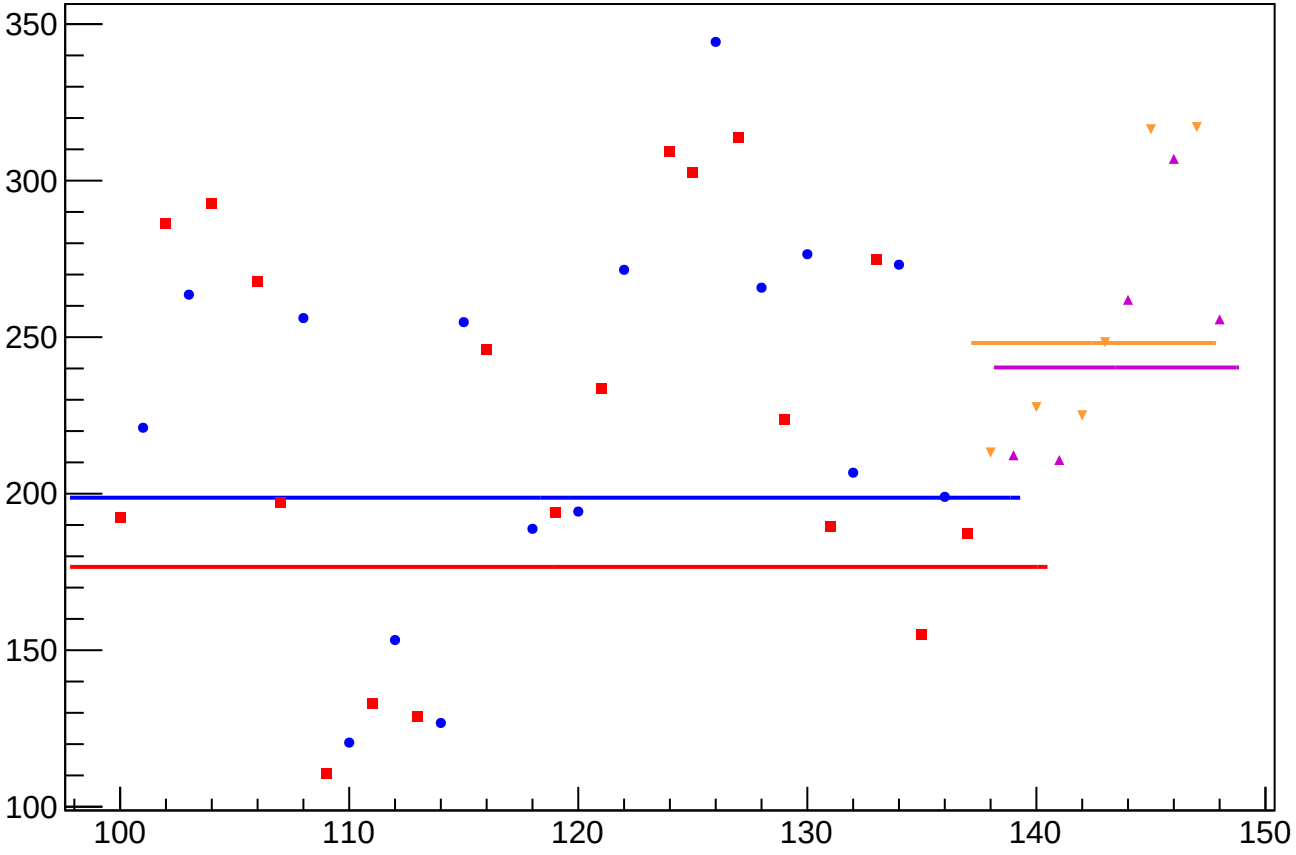
Left In: -249.598+/-117.411 χ^2/NDF:1.8/4

+ sign 44.433+/-65.243 χ^2/NDF: 21.0/21

All: 45.514+/-44.189 χ^2/NDF: 41.7/45

- sign 46.430+/-60.063 χ^2/NDF: 20.6/23

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

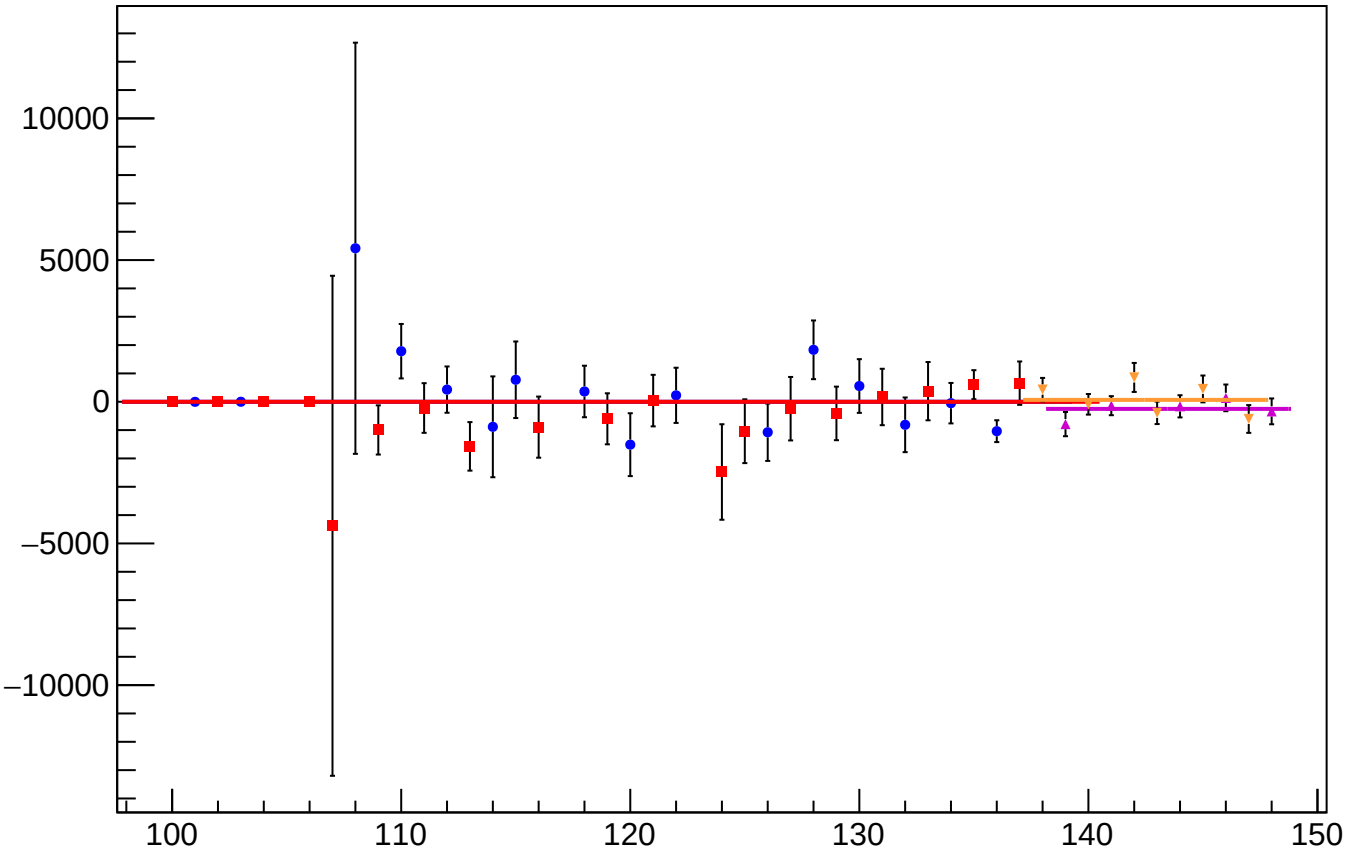
Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 240.311+/-0.083 χ^2/NDF:164526.3/4

+ sign 213.516+/-0.046 χ^2/NDF: 1451083.1/21

All: 202.568+/-0.031 χ^2/NDF: 3749871.3/45

- sign 193.289+/-0.042 χ^2/NDF: 2194735.3/23



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

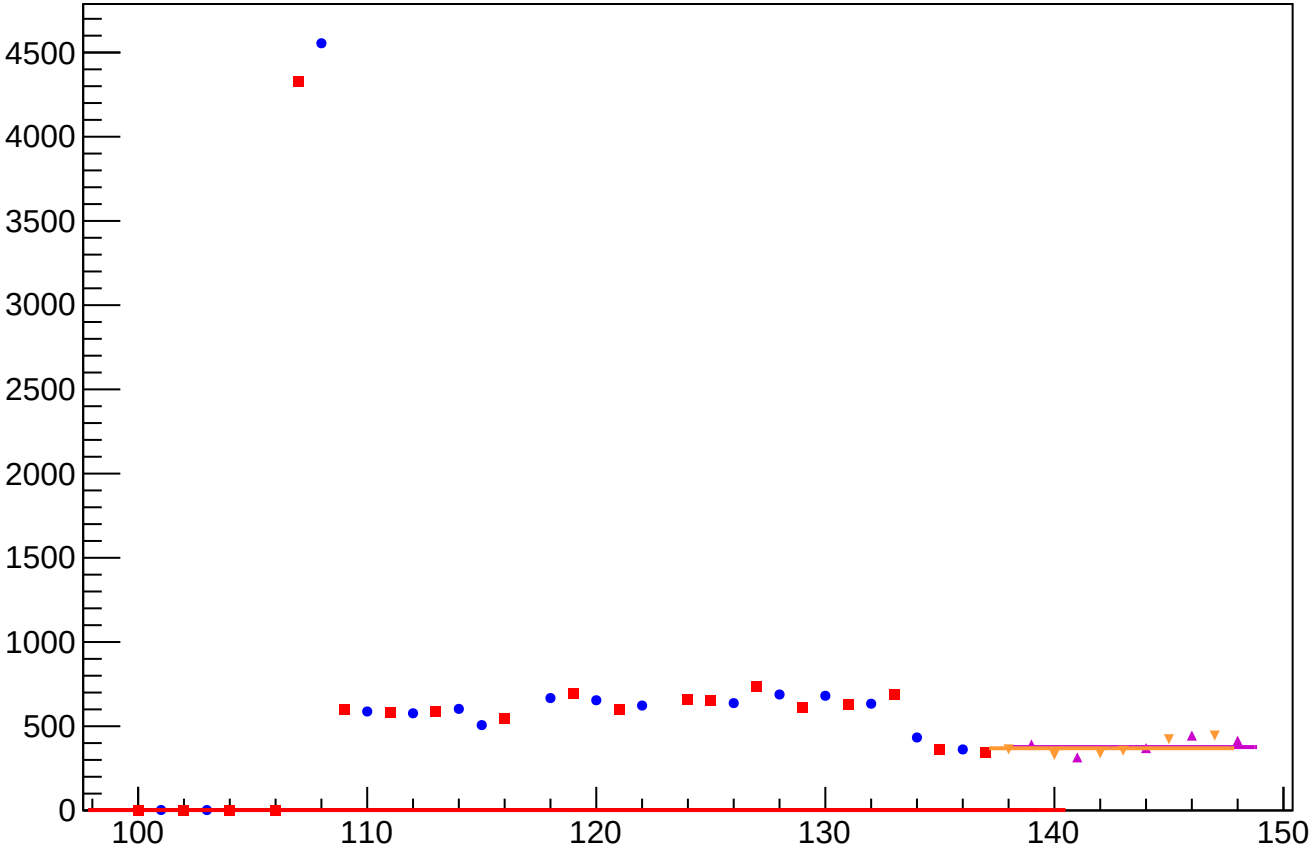
Left In: -251.653+/-182.135 χ^2/NDF:2.5/4

+ sign -1.229+/-2.171 χ^2/NDF: 27.3/21

All: -1.325+/-1.480 χ^2/NDF: 48.5/45

- sign -1.408+/-2.022 χ^2/NDF: 21.2/23

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

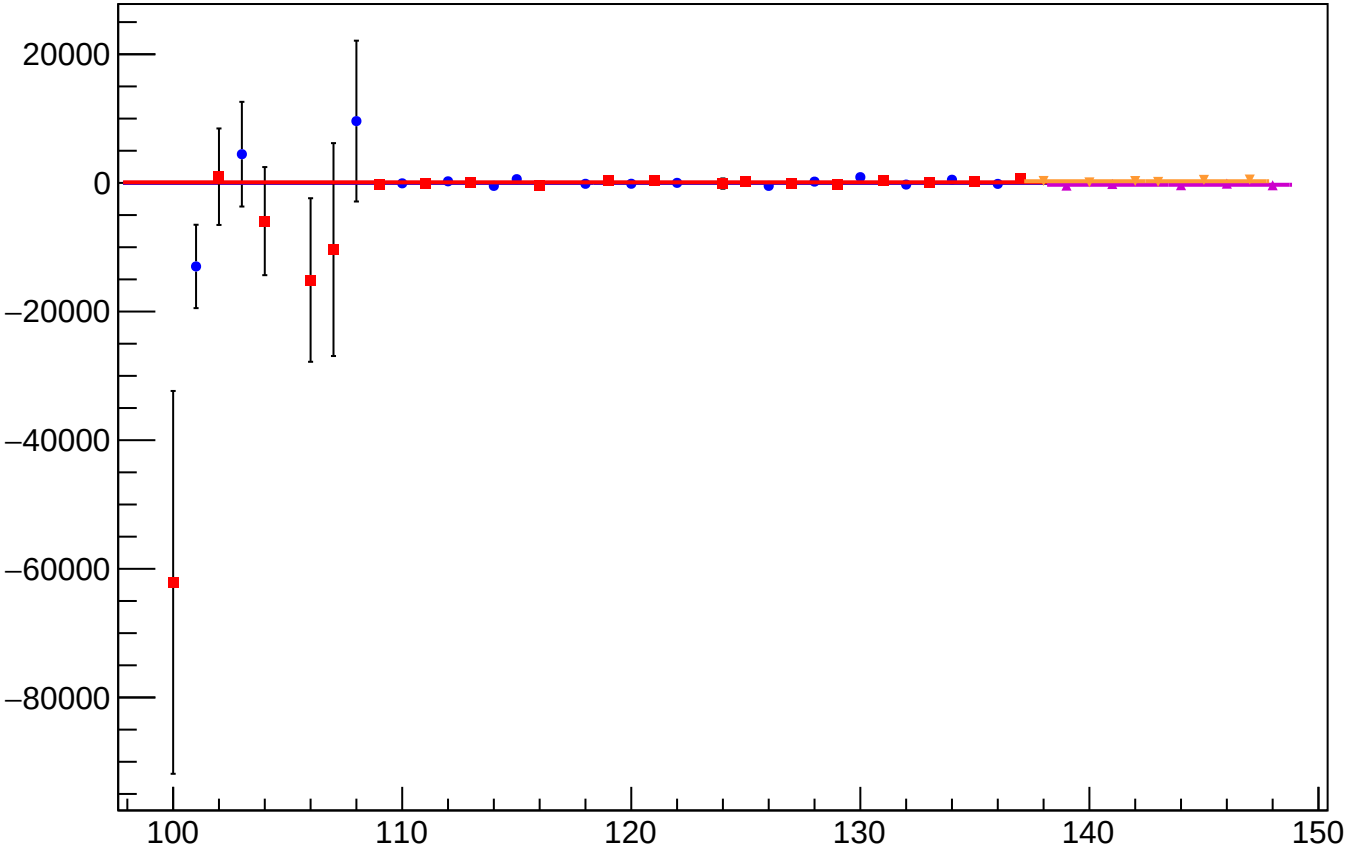
Left In: 376.258+/-0.129 χ^2/NDF:124376.7/4

+ sign 2.532+/-0.002 χ^2/NDF: 20415465.7/21

All: 2.520+/-0.001 χ^2/NDF: 40508254.8/45

- sign 2.508+/-0.001 χ^2/NDF: 20092655.7/23

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

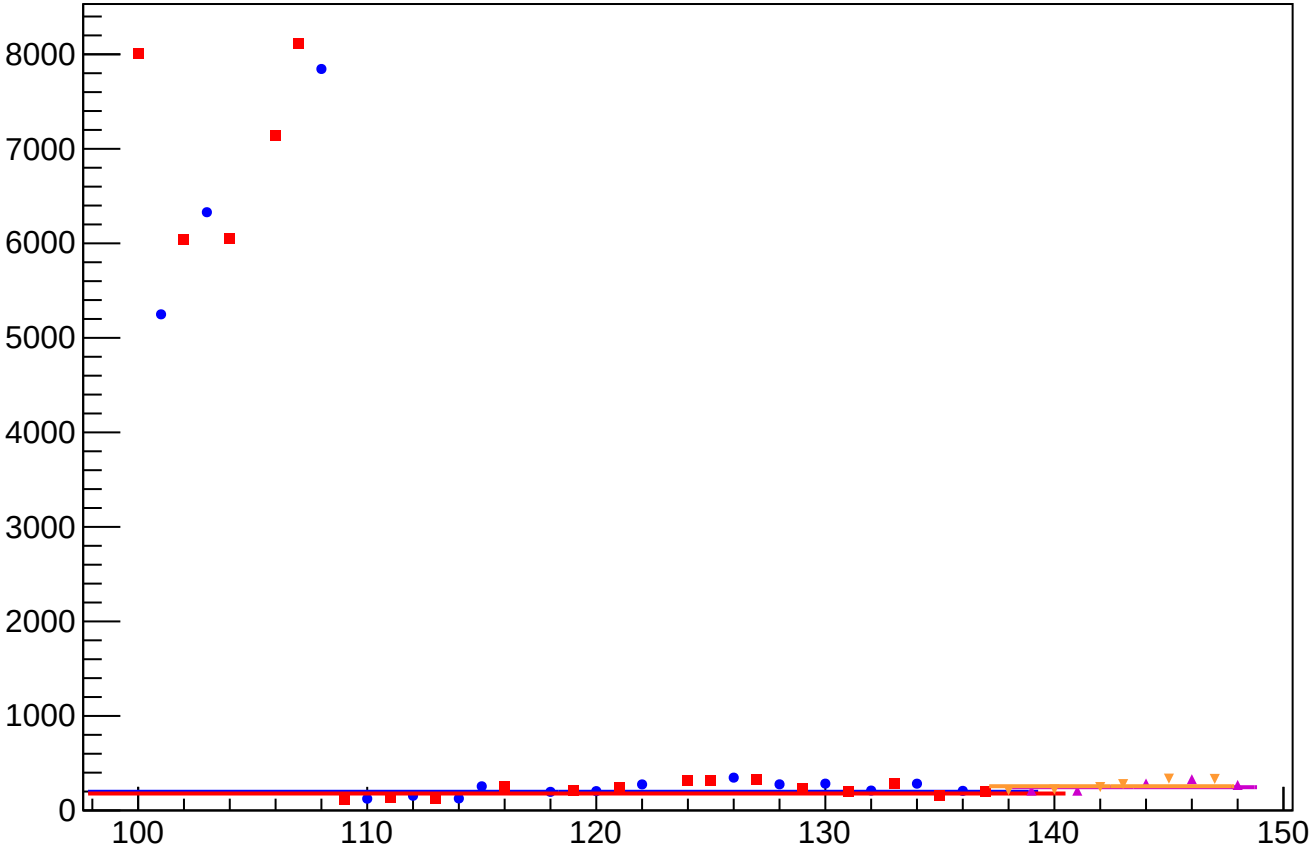
Left In: -289.925+/-120.974 χ^2/NDF:1.0/4

+ sign 87.269+/-71.637 χ^2/NDF: 21.3/21

All: 25.214+/-49.186 χ^2/NDF: 45.2/45

- sign -30.129+/-67.652 χ^2/NDF: 22.5/23

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

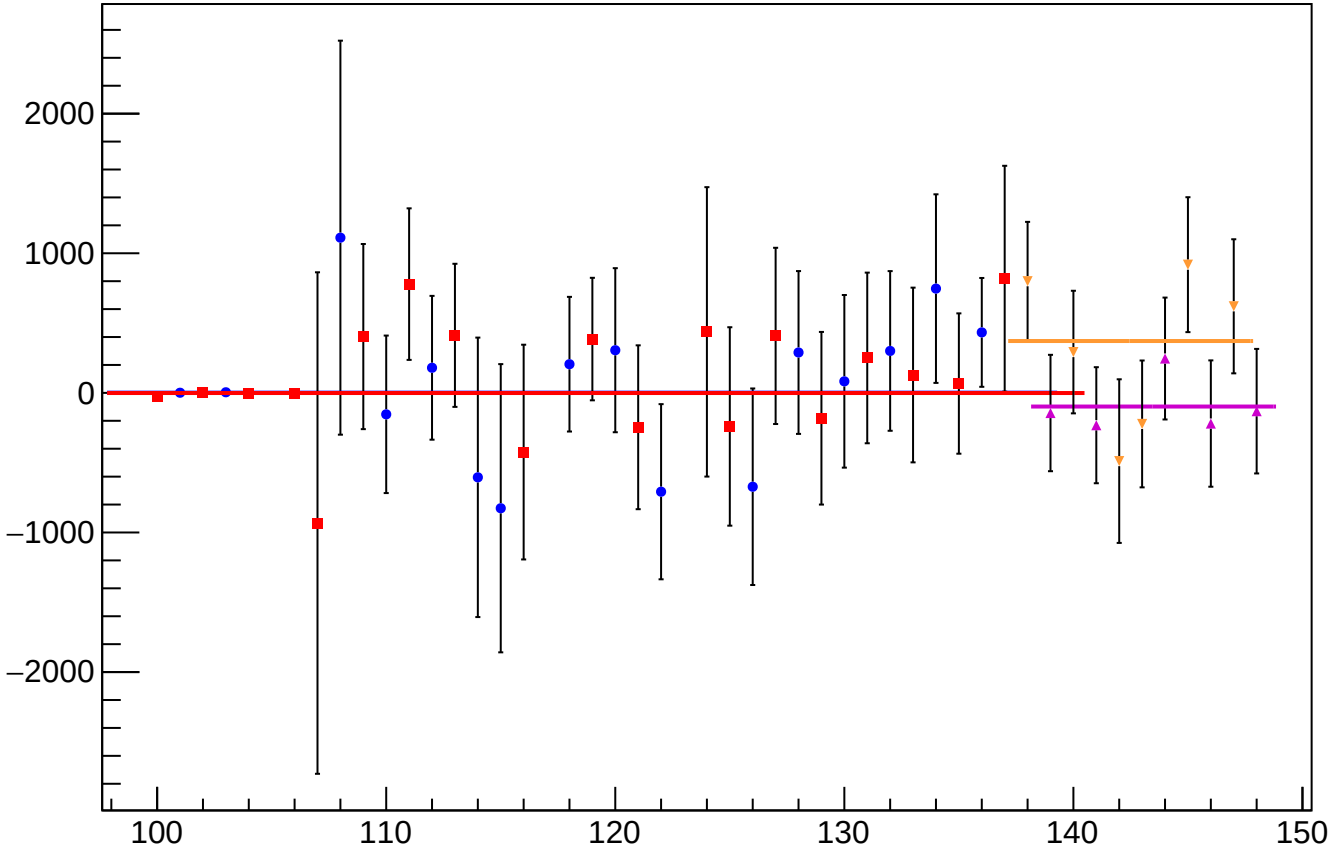
Left In: 246.067+/-0.086 χ^2/NDF:261310.5/4

+ sign 217.295+/-0.051 χ^2/NDF: 4550094.4/21

All: 208.230+/-0.035 χ^2/NDF: 9709733.7/45

- sign 200.146+/-0.048 χ^2/NDF: 5099054.1/23

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

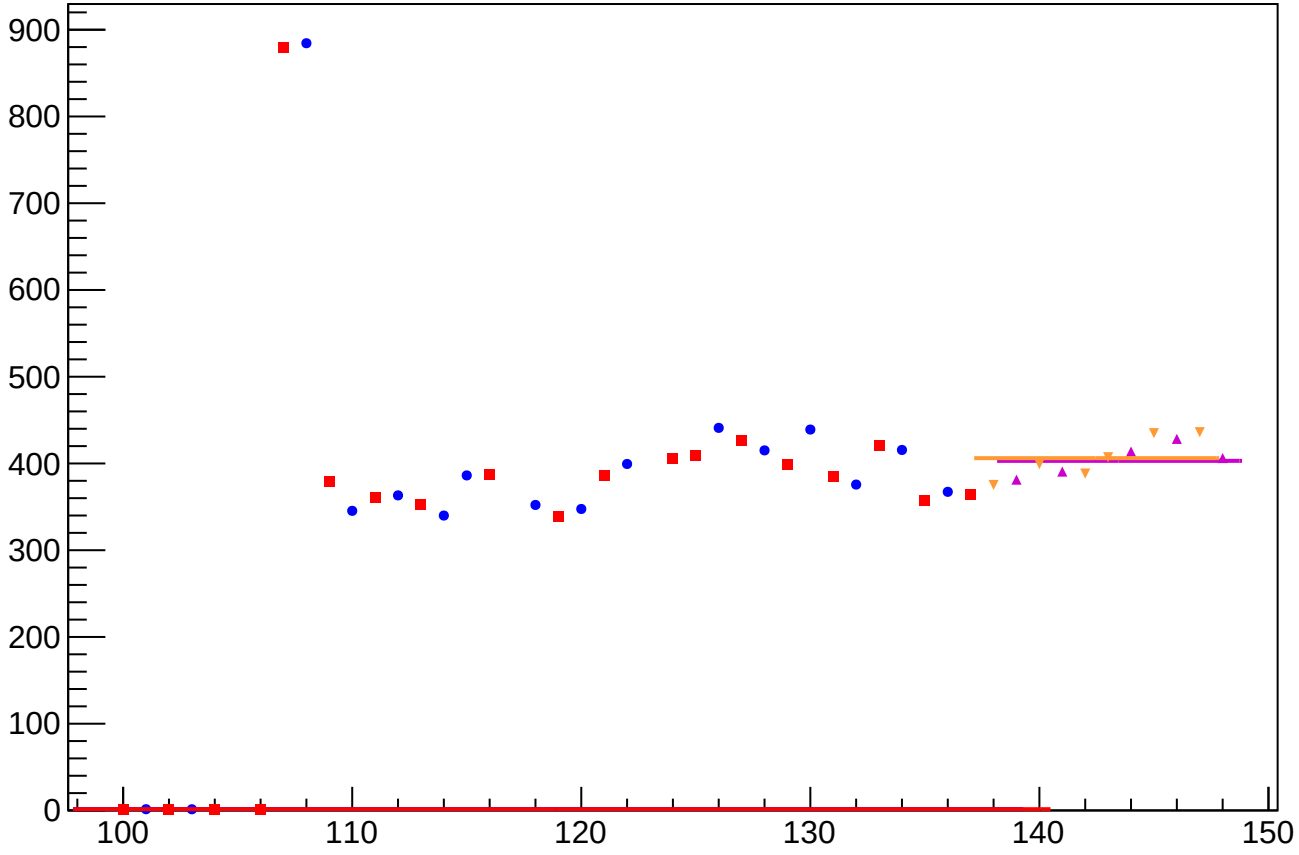
Left In: -97.865+/-193.520 χ^2/NDF:0.8/4

+ sign 1.483+/-1.660 χ^2/NDF: 18.1/21

All: 0.085+/-1.124 χ^2/NDF: 29.6/45

- sign -1.100+/-1.528 χ^2/NDF: 10.2/23

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

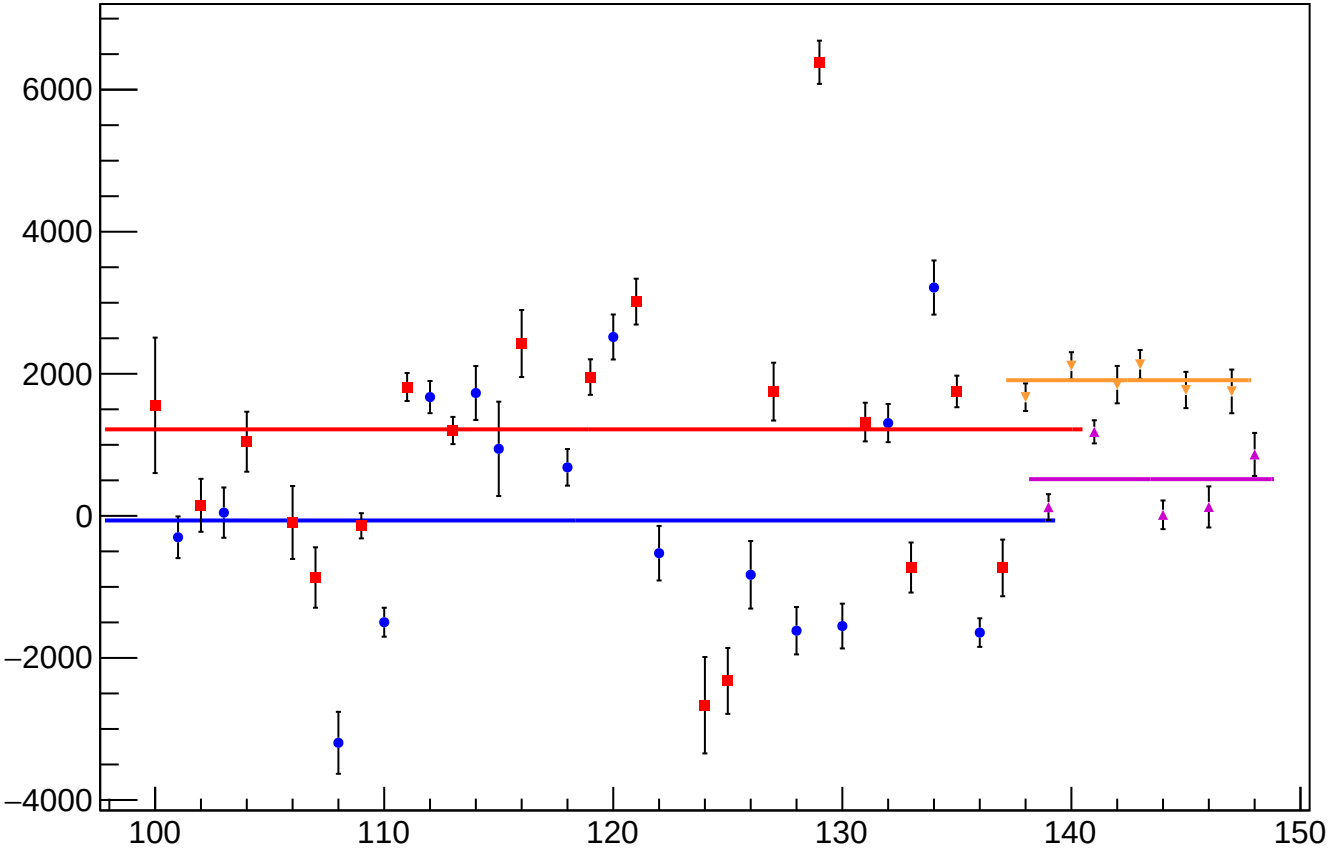
Left In: 403.022+/-0.137 χ^2/NDF:14759.2/4

+ sign 1.500+/-0.001 χ^2/NDF: 20636745.7/21

All: 1.496+/-0.001 χ^2/NDF: 40532682.8/45

- sign 1.492+/-0.001 χ^2/NDF: 19895910.6/23

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

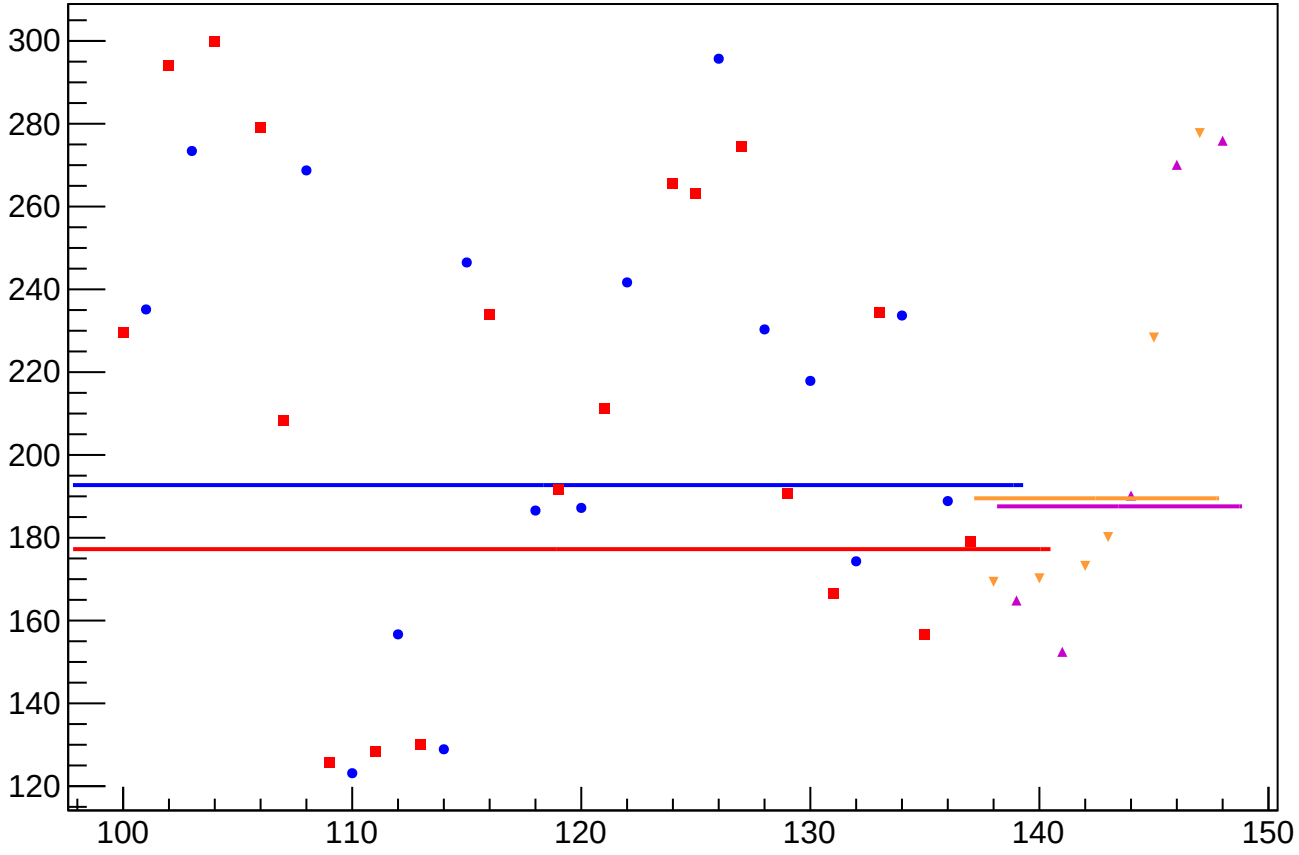
Left In: 516.594+/-93.090 χ^2/NDF:30.8/4

+ sign 723.729+/-58.042 χ^2/NDF: 751.6/21

All: 852.021+/-40.092 χ^2/NDF: 1422.9/45

- sign 969.084+/-55.444 χ^2/NDF: 662.0/23

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

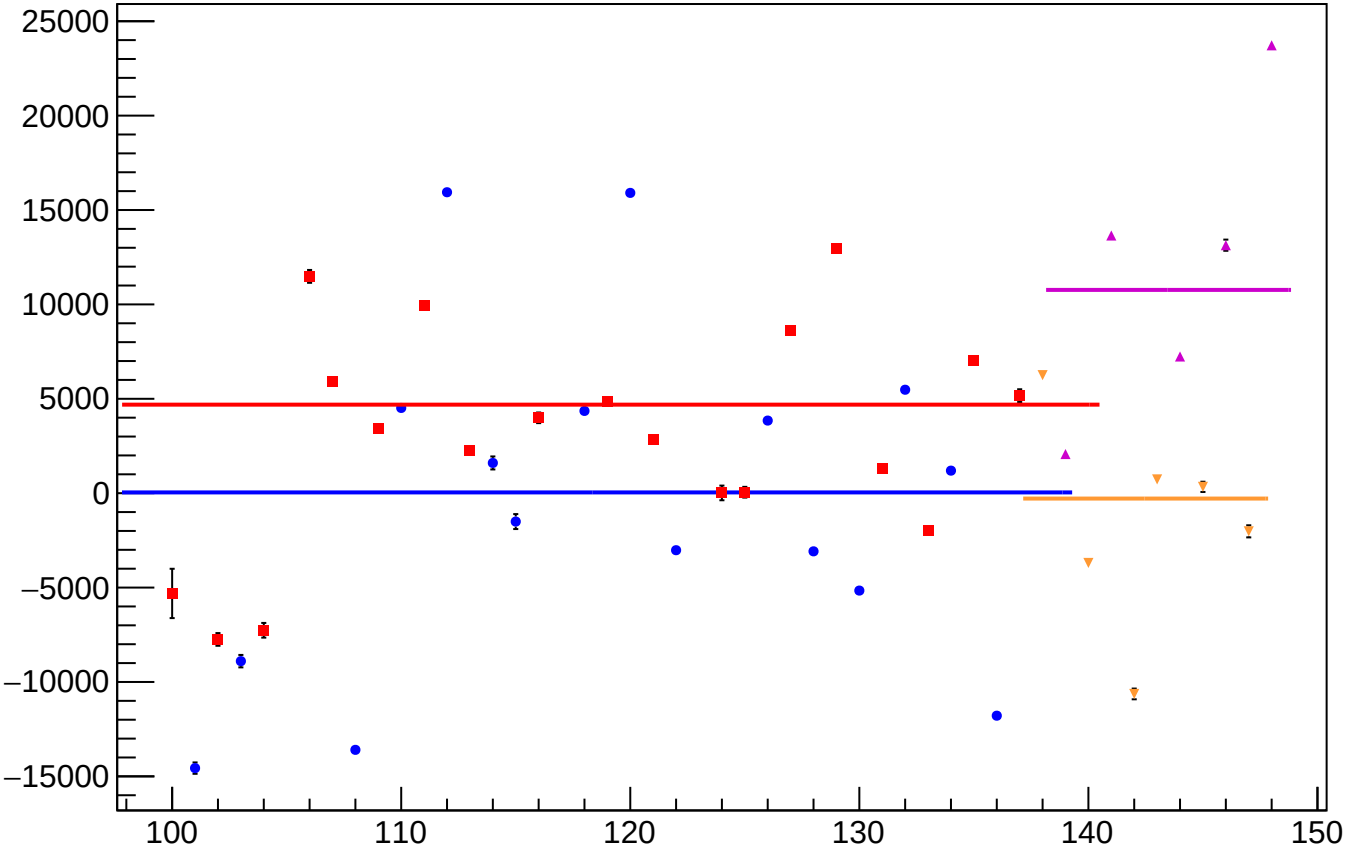
Left In: 187.585+/-0.066 χ^2/NDF:457279.3/4

+ sign 191.445+/-0.041 χ^2/NDF: 1025370.7/21

All: 185.940+/-0.028 χ^2/NDF: 2759138.7/45

- sign 180.917+/-0.039 χ^2/NDF: 1699363.9/23

asym_bpm0i02WS_mean vs Slug



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

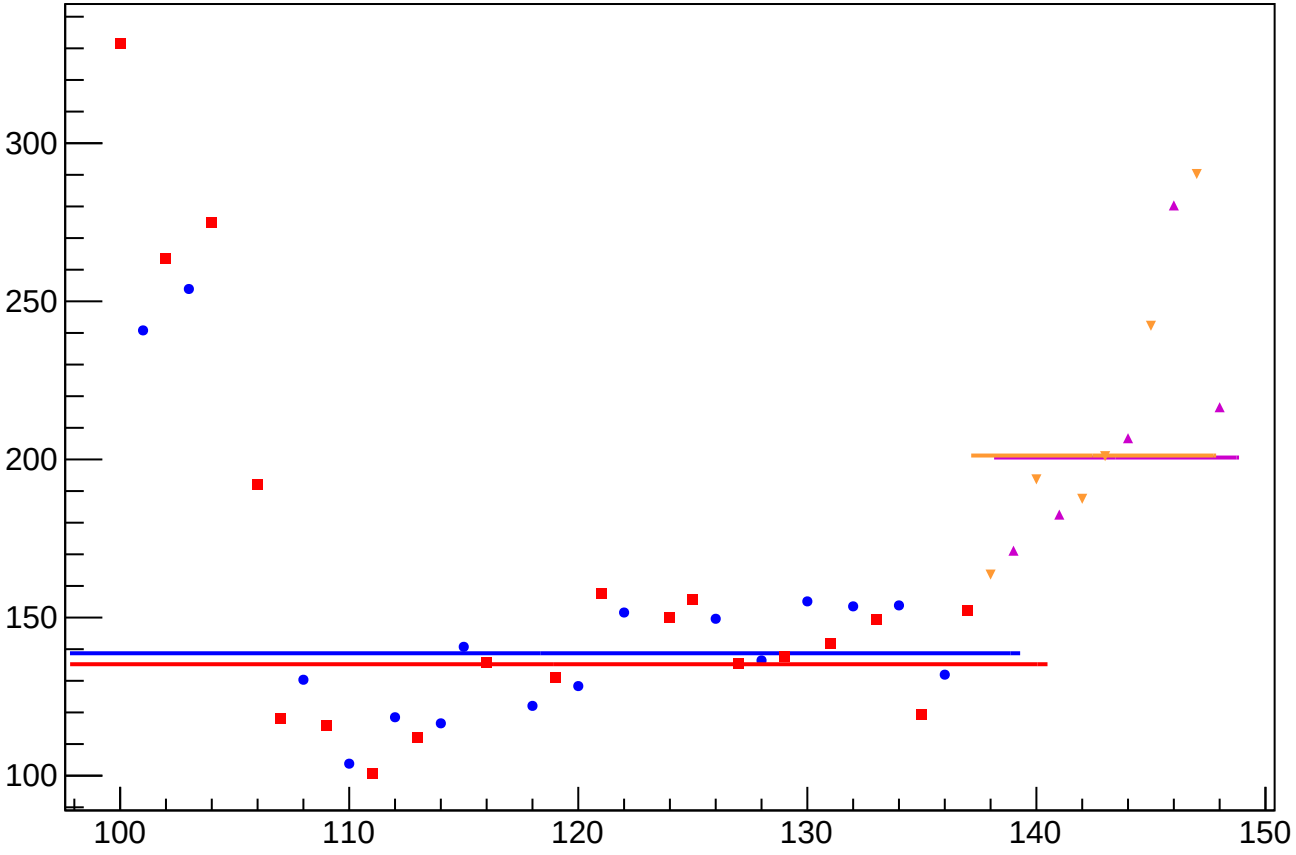
Left In: 10768.103+/-98.547 χ^2/NDF:5431.9/4

+ sign -36.133+/-47.353 χ^2/NDF: 33654.7/21

All: 3074.670+/-33.016 χ^2/NDF: 58253.7/45

- sign 6017.328+/-46.056 χ^2/NDF: 16201.0/23

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

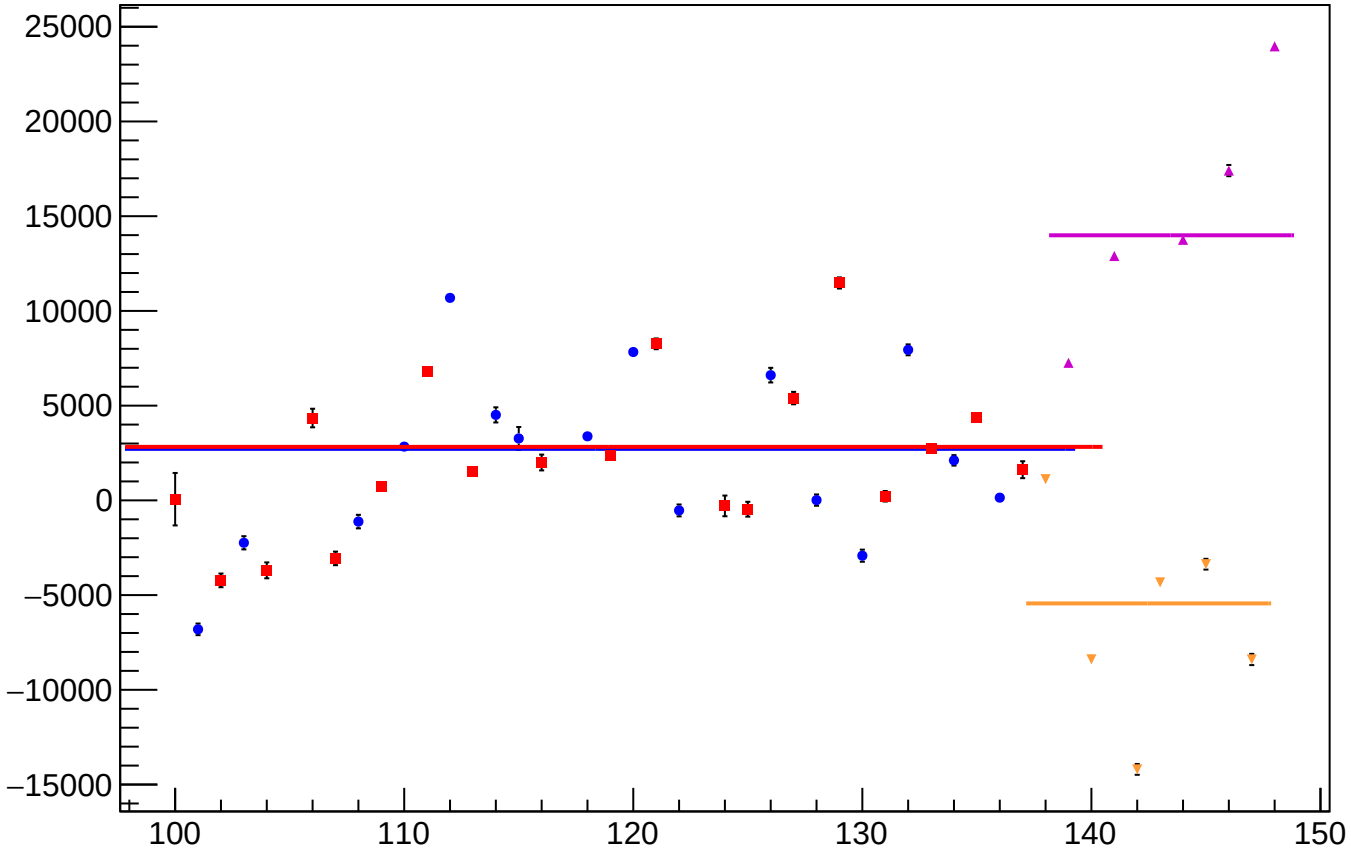
Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

+ sign 153.509+/-0.033 χ^2/NDF: 1576560.4/21

All: 151.459+/-0.023 χ^2/NDF: 3381885.5/45

- sign 149.521+/-0.033 χ^2/NDF: 1798034.8/23

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

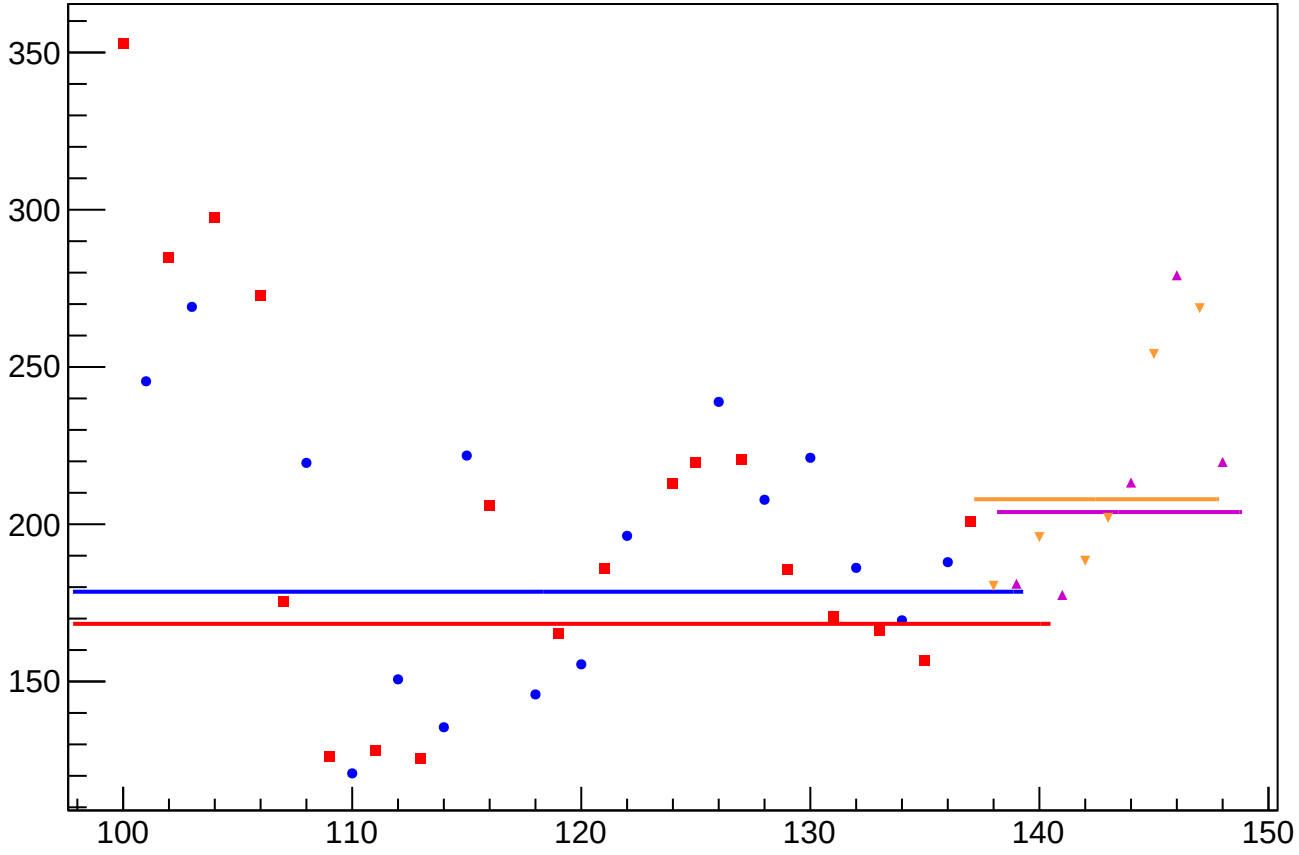
Left In: 13991.705+/-99.732 χ^2/NDF:2957.4/4

+ sign 73.902+/-56.922 χ^2/NDF: 10949.7/21

All: 3247.428+/-39.316 χ^2/NDF: 31726.9/45

- sign 6142.456+/-54.367 χ^2/NDF: 14833.4/23

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

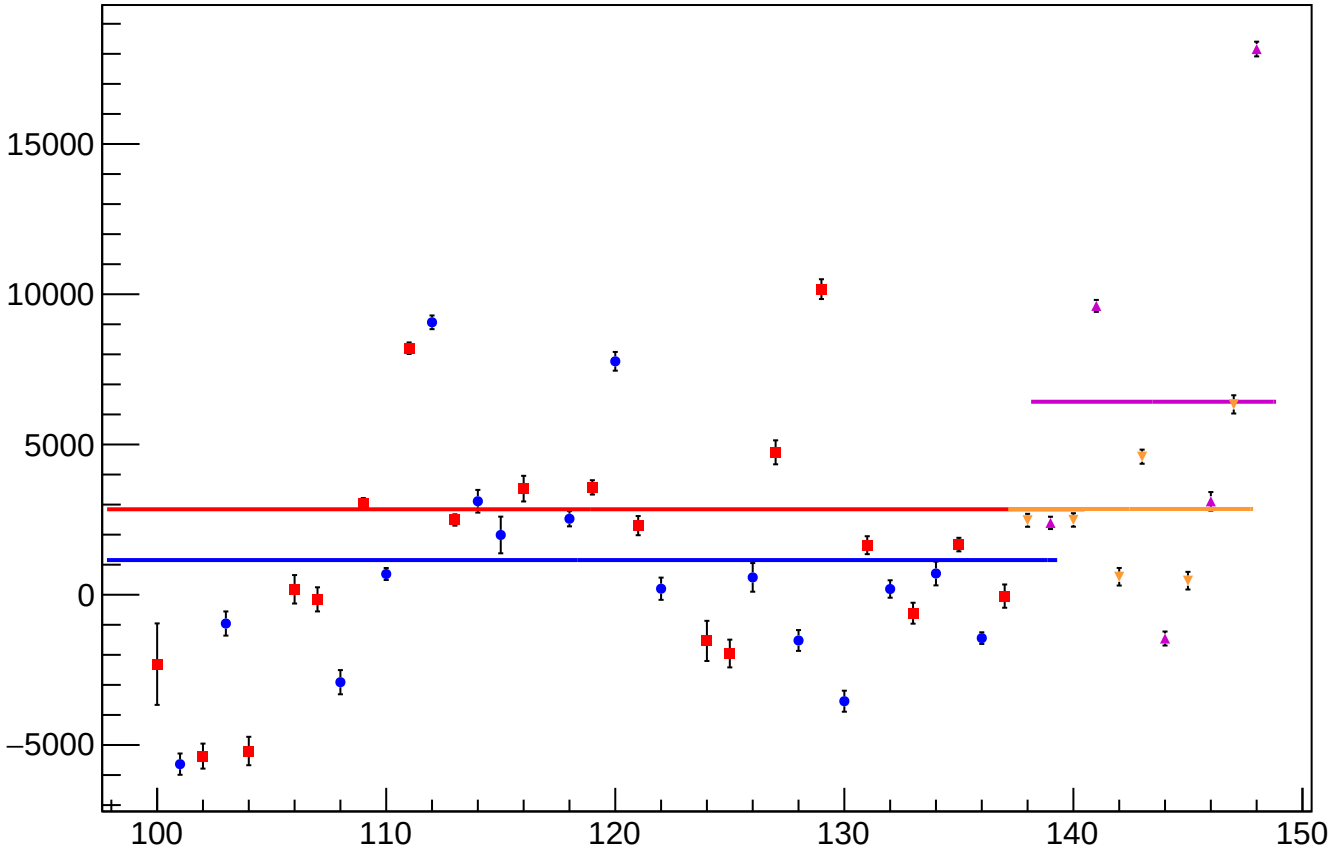
Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

+ sign 188.079+/-0.040 χ^2/NDF: 980721.0/21

All: 183.277+/-0.028 χ^2/NDF: 2371700.4/45

- sign 178.896+/-0.038 χ^2/NDF: 1363756.3/23

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

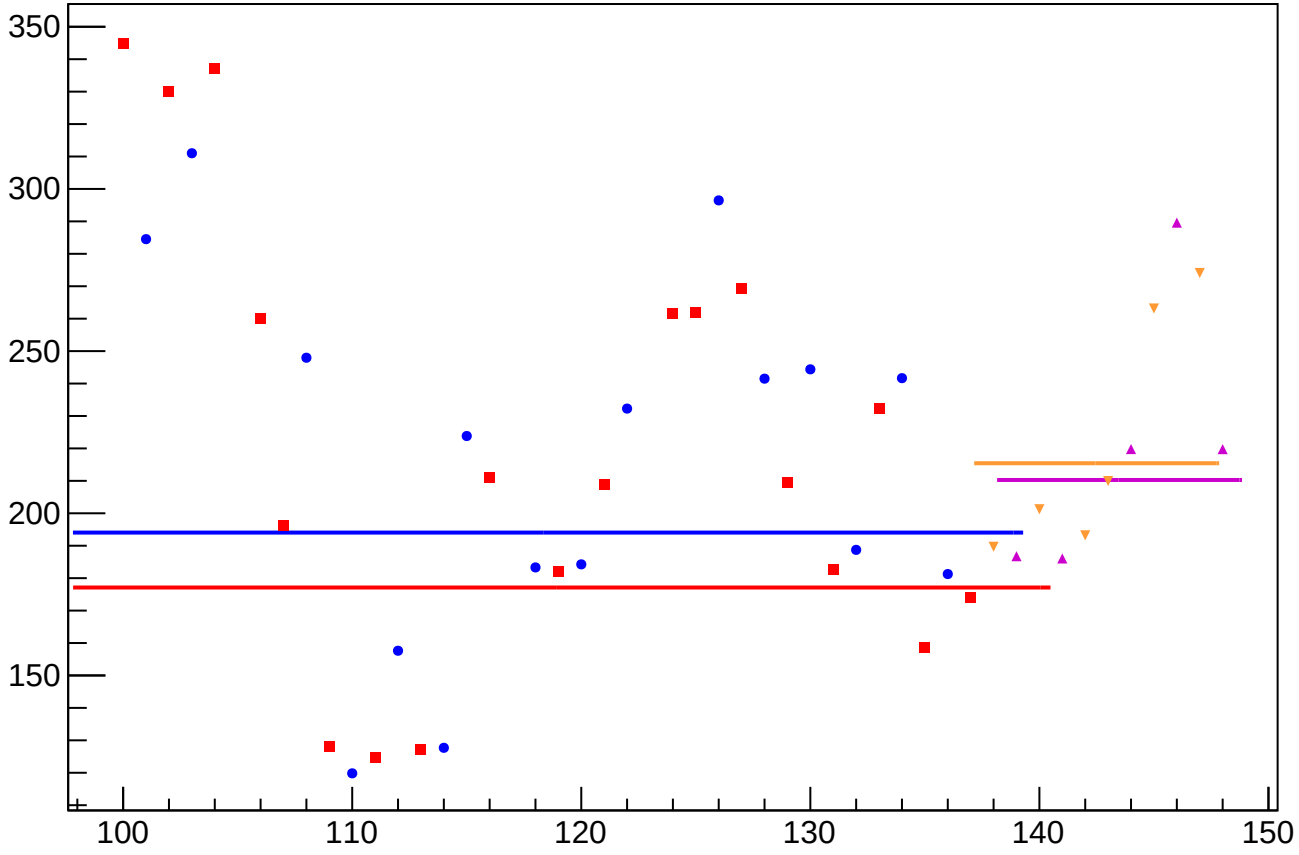
Left In: 6422.846+/-102.826 χ^2/NDF:4189.7/4

+ sign 1748.913+/-61.237 χ^2/NDF: 3147.9/21

All: 2925.398+/-41.869 χ^2/NDF: 11318.1/45

- sign 3958.185+/-57.375 χ^2/NDF: 7477.1/23

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

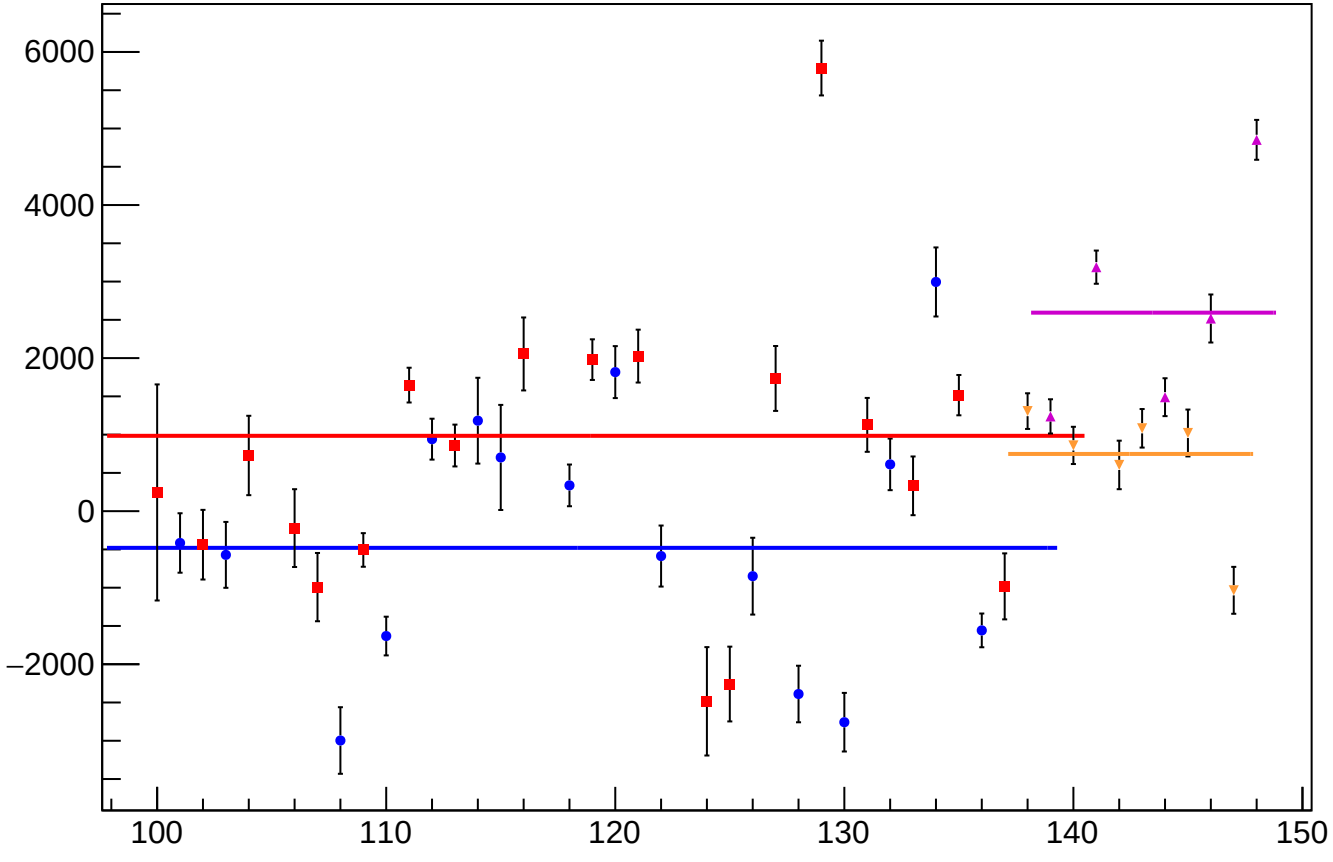
Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

+ sign 201.536+/-0.043 χ^2/NDF: 1197655.8/21

All: 194.028+/-0.030 χ^2/NDF: 2951472.7/45

- sign 187.438+/-0.041 χ^2/NDF: 1697367.8/23

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

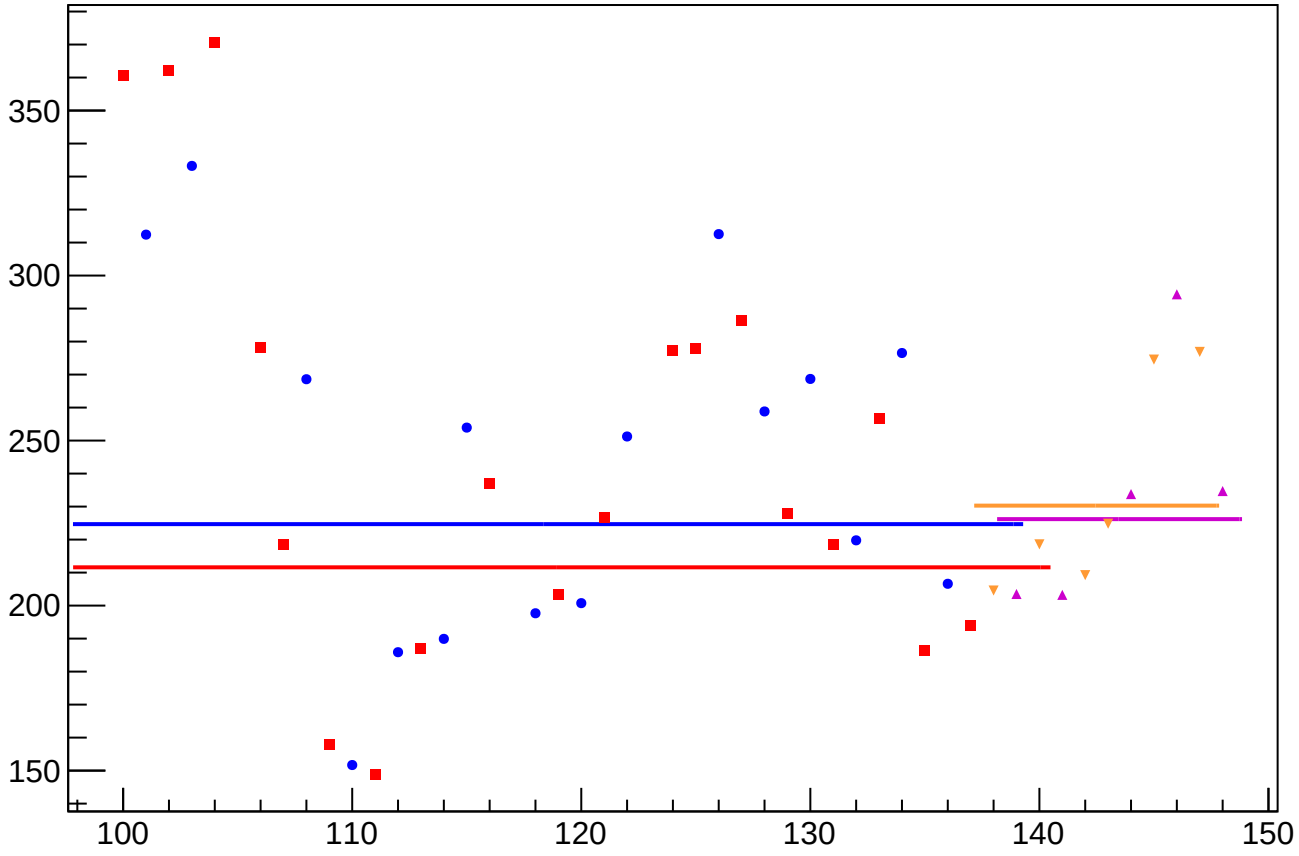
Left In: 2593.760+/-110.113 χ^2/NDF:139.3/4

+ sign -10.336+/-68.133 χ^2/NDF: 424.6/21

All: 803.409+/-47.113 χ^2/NDF: 1374.1/45

- sign 1549.050+/-65.219 χ^2/NDF: 676.1/23

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

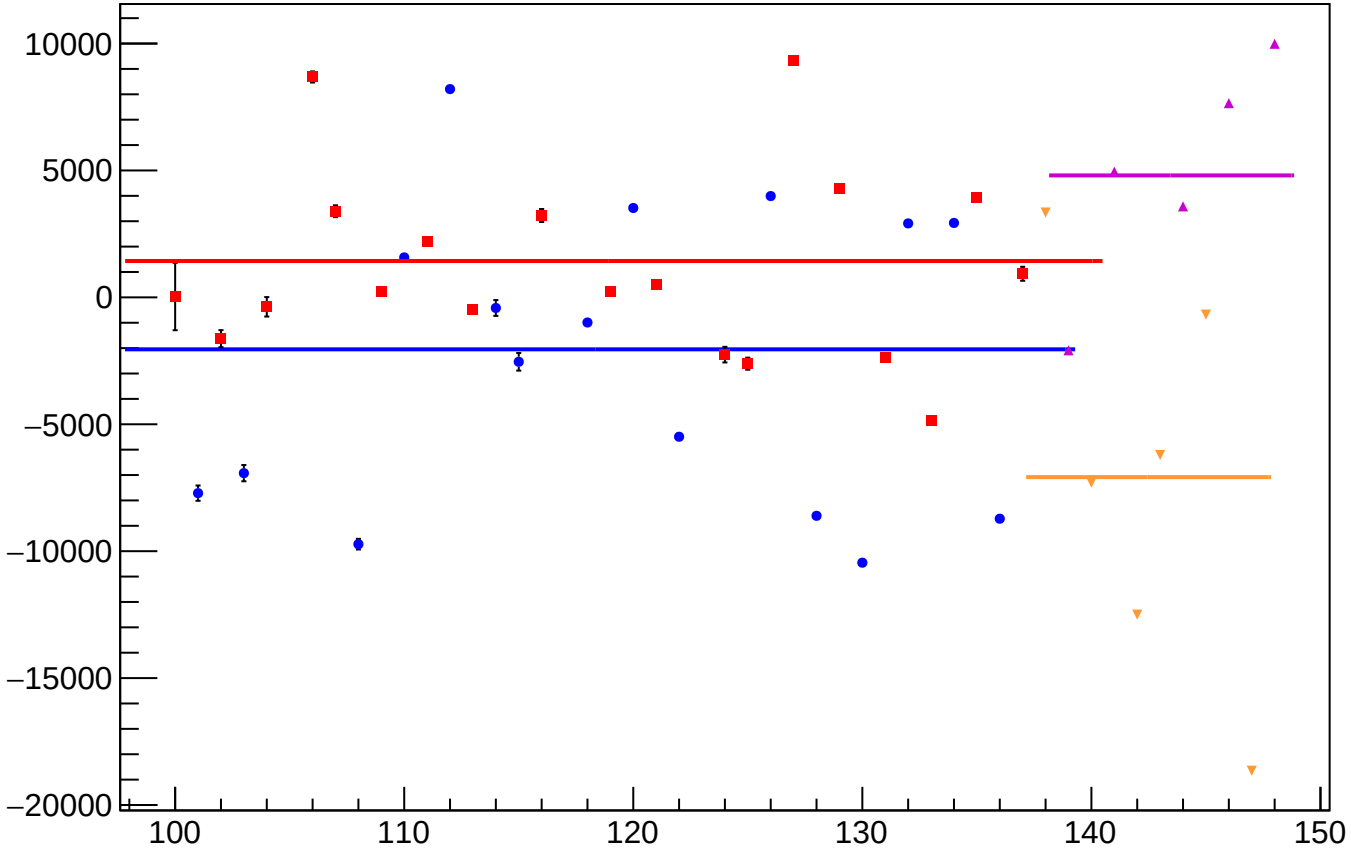
Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

+ sign 226.826+/-0.048 χ^2/NDF: 783150.4/21

All: 221.552+/-0.033 χ^2/NDF: 1903111.6/45

- sign 216.719+/-0.046 χ^2/NDF: 1096991.4/23

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

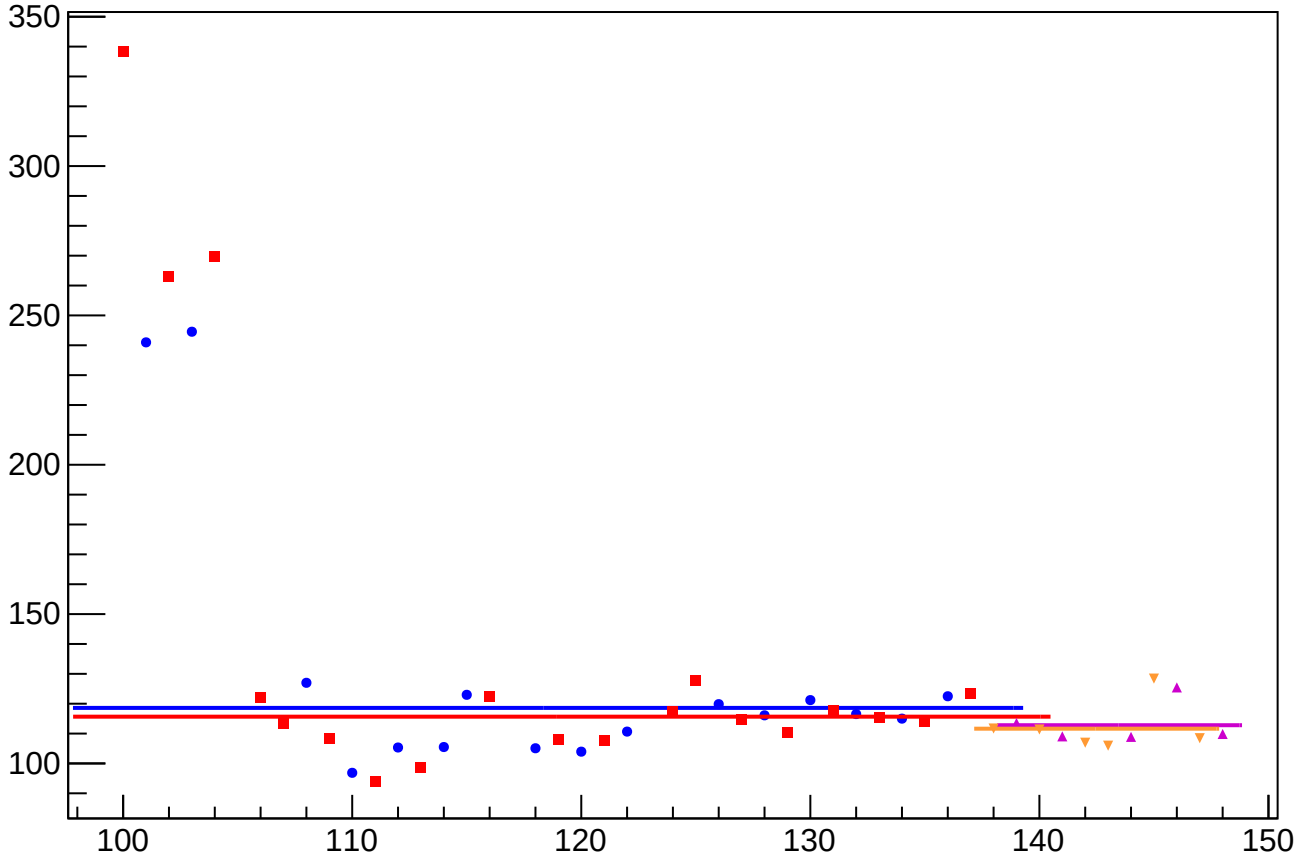
Left In: 4805.199+/-54.954 χ^2/NDF:5341.9/4

+ sign -4213.455+/-35.265 χ^2/NDF: 40641.4/21

All: -660.931+/-24.730 χ^2/NDF: 74604.4/45

- sign 2776.749+/-34.690 χ^2/NDF: 13994.8/23

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

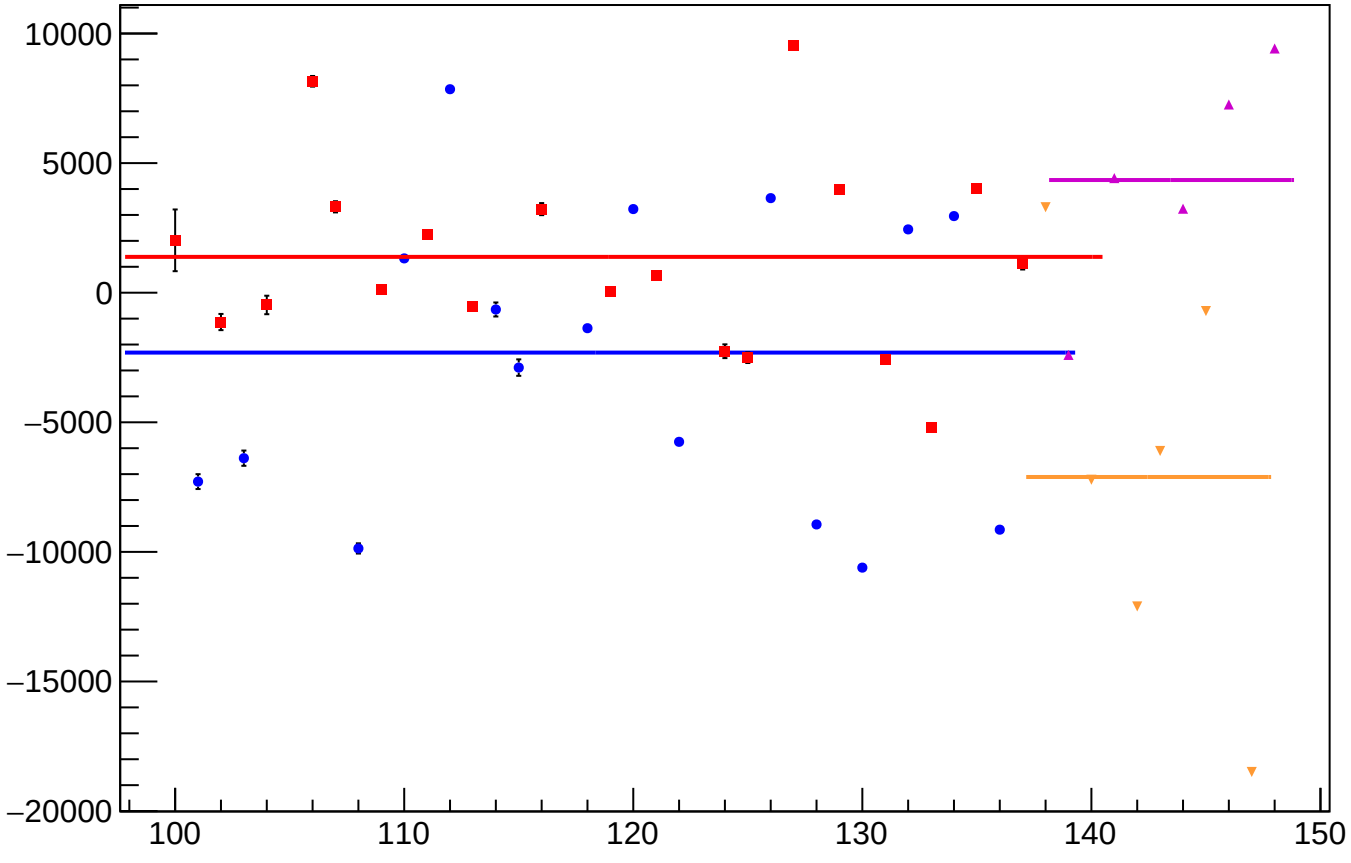
Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

+ sign 115.601+/-0.025 χ^2/NDF: 787537.2/21

All: 115.051+/-0.017 χ^2/NDF: 1679305.8/45

- sign 114.520+/-0.025 χ^2/NDF: 890813.4/23

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

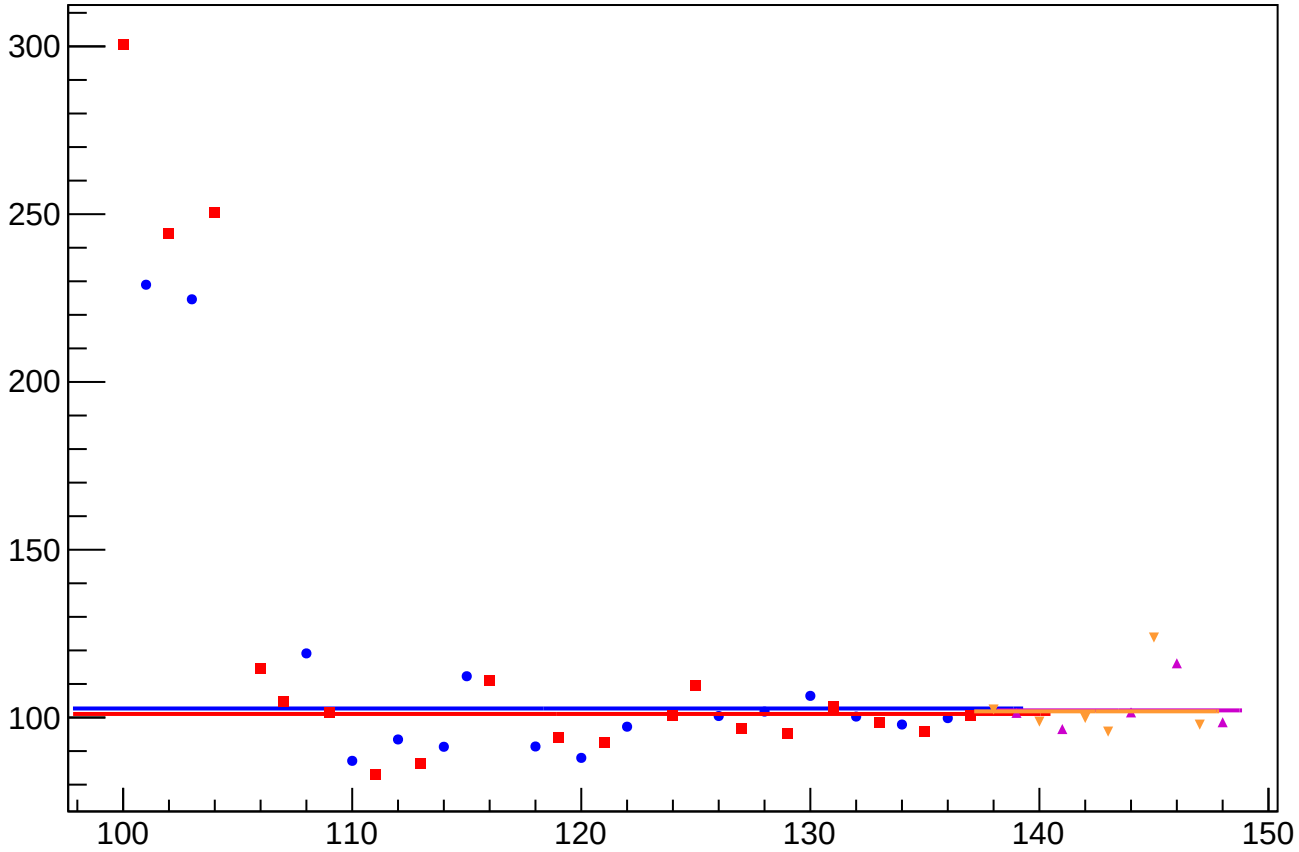
Left In: 4347.442+/-49.858 χ^2/NDF:6347.0/4

+ sign -4263.271+/-31.372 χ^2/NDF: 49330.0/21

All: -818.550+/-22.009 χ^2/NDF: 90177.5/45

- sign 2520.005+/-30.885 χ^2/NDF: 17105.8/23

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

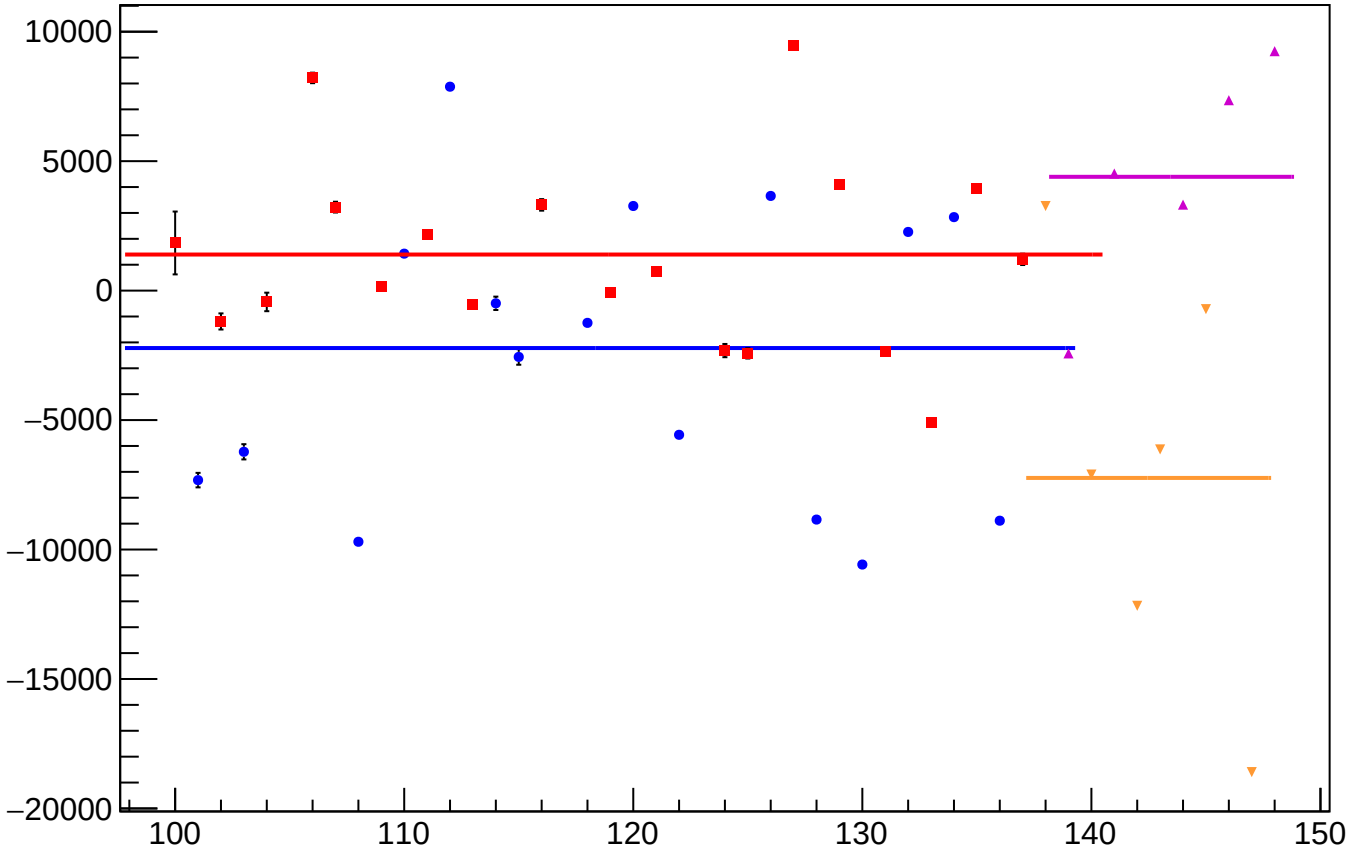
Left In: 102.130+/-0.035 χ^2/NDF:33498.7/4

+ sign 102.348+/-0.022 χ^2/NDF: 886348.4/21

All: 101.904+/-0.016 χ^2/NDF: 1851661.0/45

- sign 101.473+/-0.022 χ^2/NDF: 964520.9/23

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

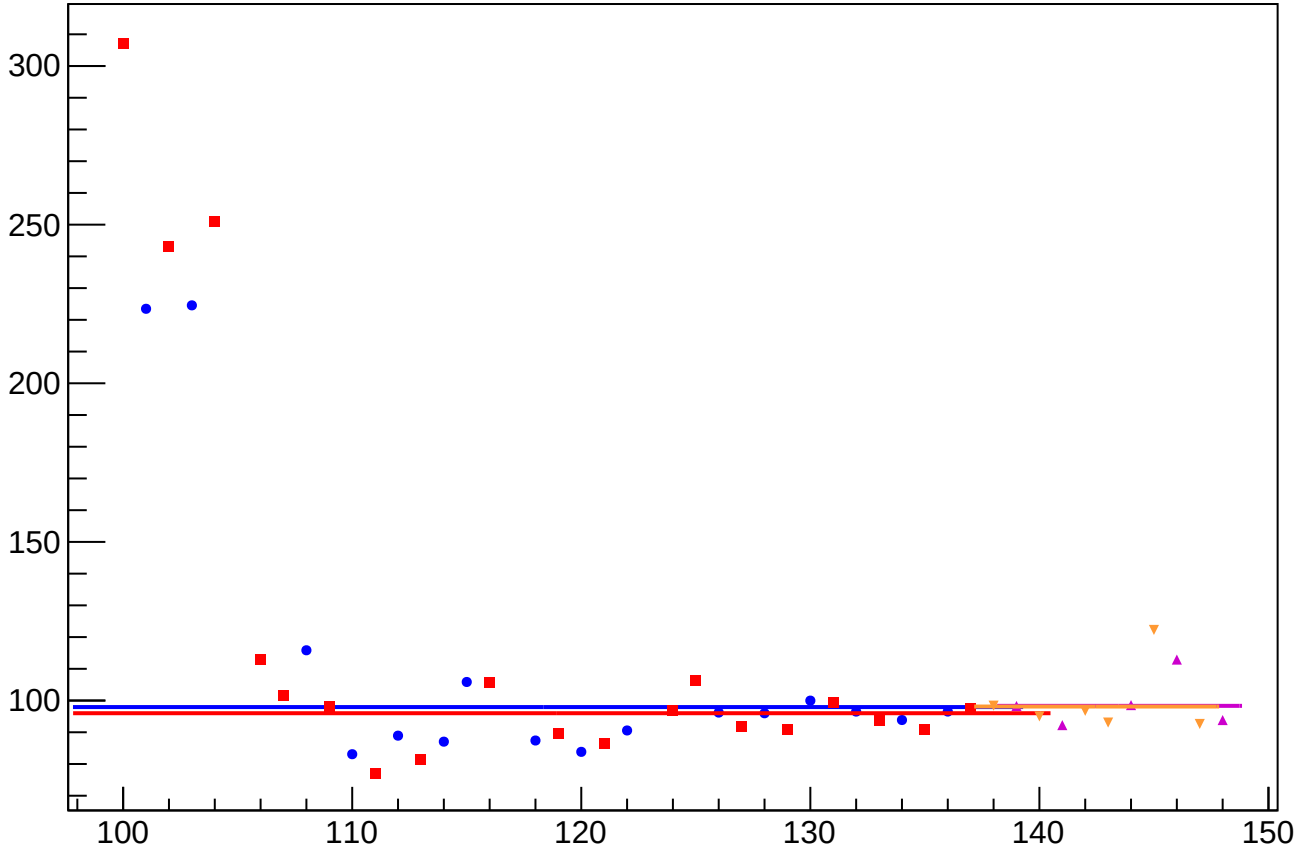
Left In: 4395.488+/-48.154 χ^2/NDF:6702.2/4

+ sign -4238.022+/-30.172 χ^2/NDF: 53820.3/21

All: -792.245+/-21.139 χ^2/NDF: 97706.5/45

- sign 2529.830+/-29.626 χ^2/NDF: 18269.6/23

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

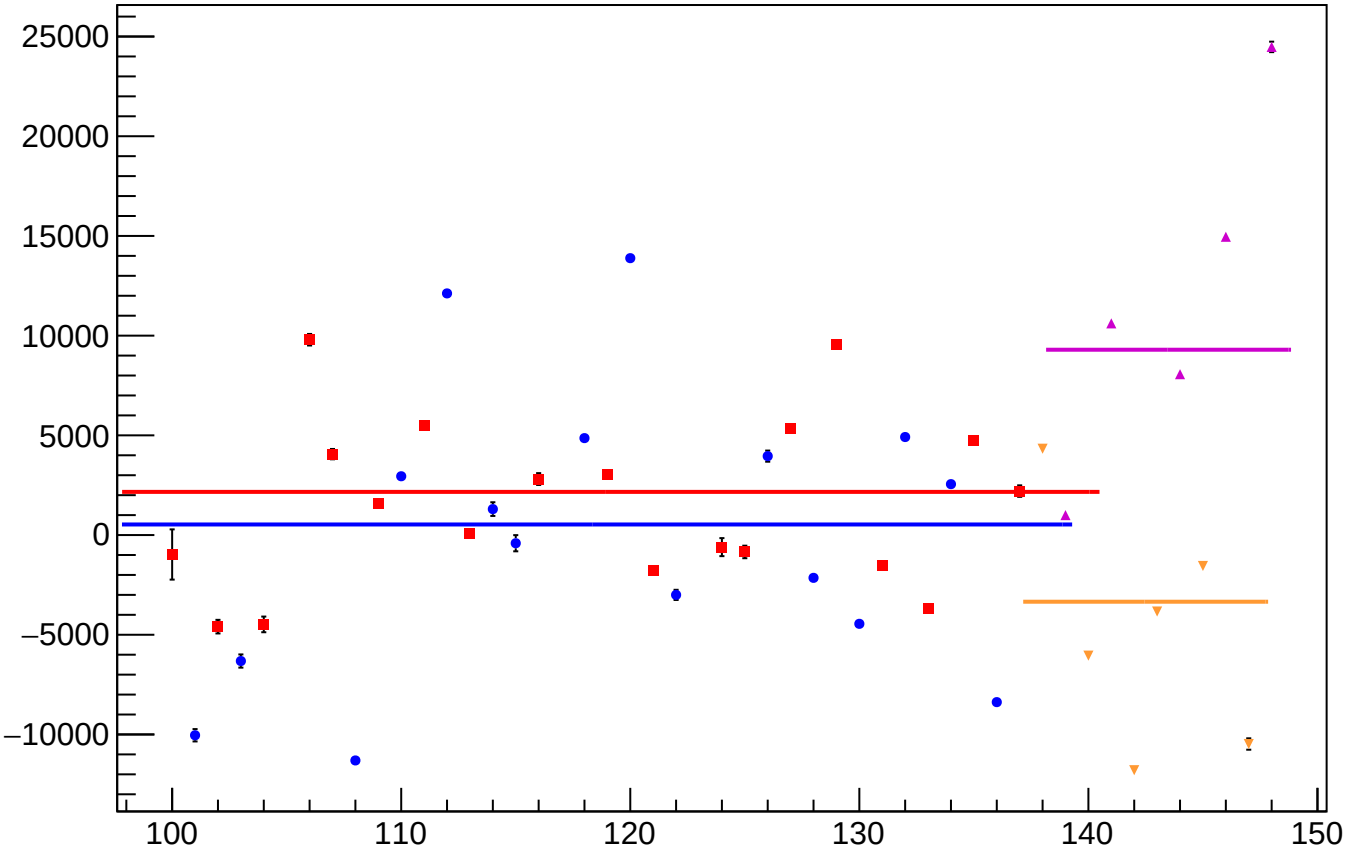
Left In: 98.327+/-0.034 χ^2/NDF:40155.8/4

+ sign 98.012+/-0.021 χ^2/NDF: 941119.8/21

All: 97.437+/-0.015 χ^2/NDF: 1997876.6/45

- sign 96.884+/-0.021 χ^2/NDF: 1055334.1/23

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

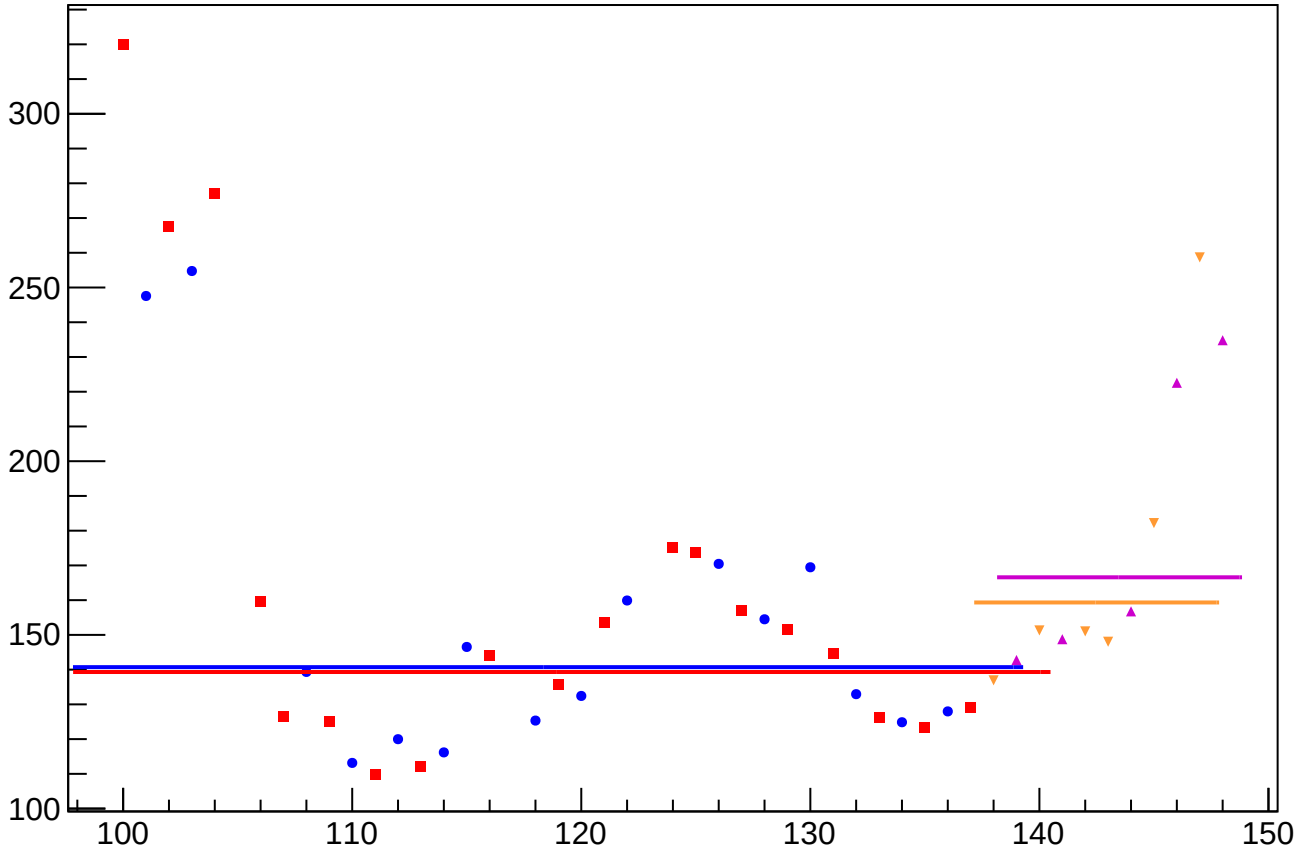
Left In: 9293.677+/-82.259 χ^2/NDF:6801.2/4

+ sign -762.883+/-44.769 χ^2/NDF: 24984.5/21

All: 1756.329+/-31.676 χ^2/NDF: 48373.6/45

- sign 4281.722+/-44.824 χ^2/NDF: 17048.5/23

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

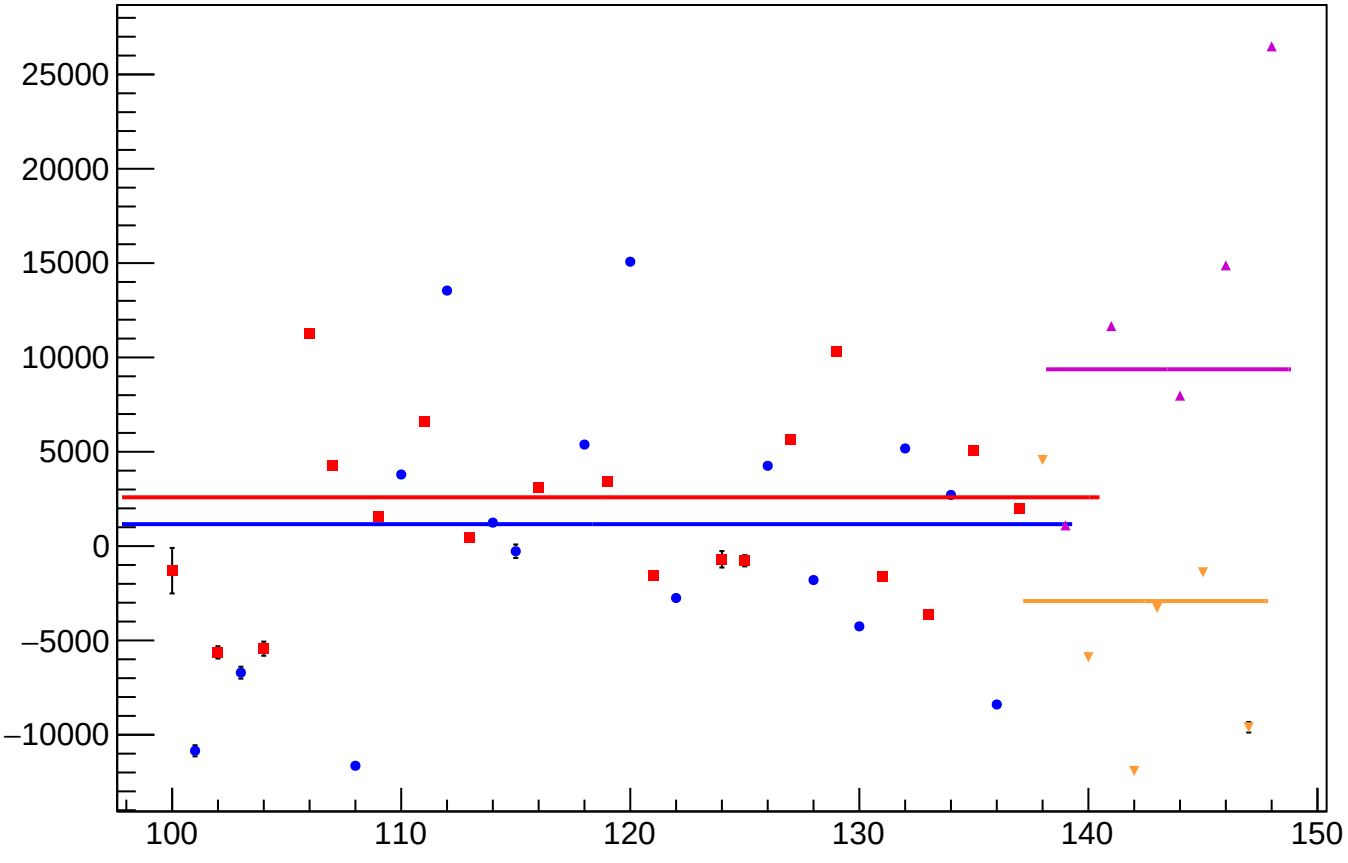
Left In: 166.578+/-0.058 χ^2/NDF:325790.2/4

+ sign 146.932+/-0.032 χ^2/NDF: 1077214.3/21

All: 147.172+/-0.022 χ^2/NDF: 2359873.3/45

- sign 147.412+/-0.032 χ^2/NDF: 1282544.4/23

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

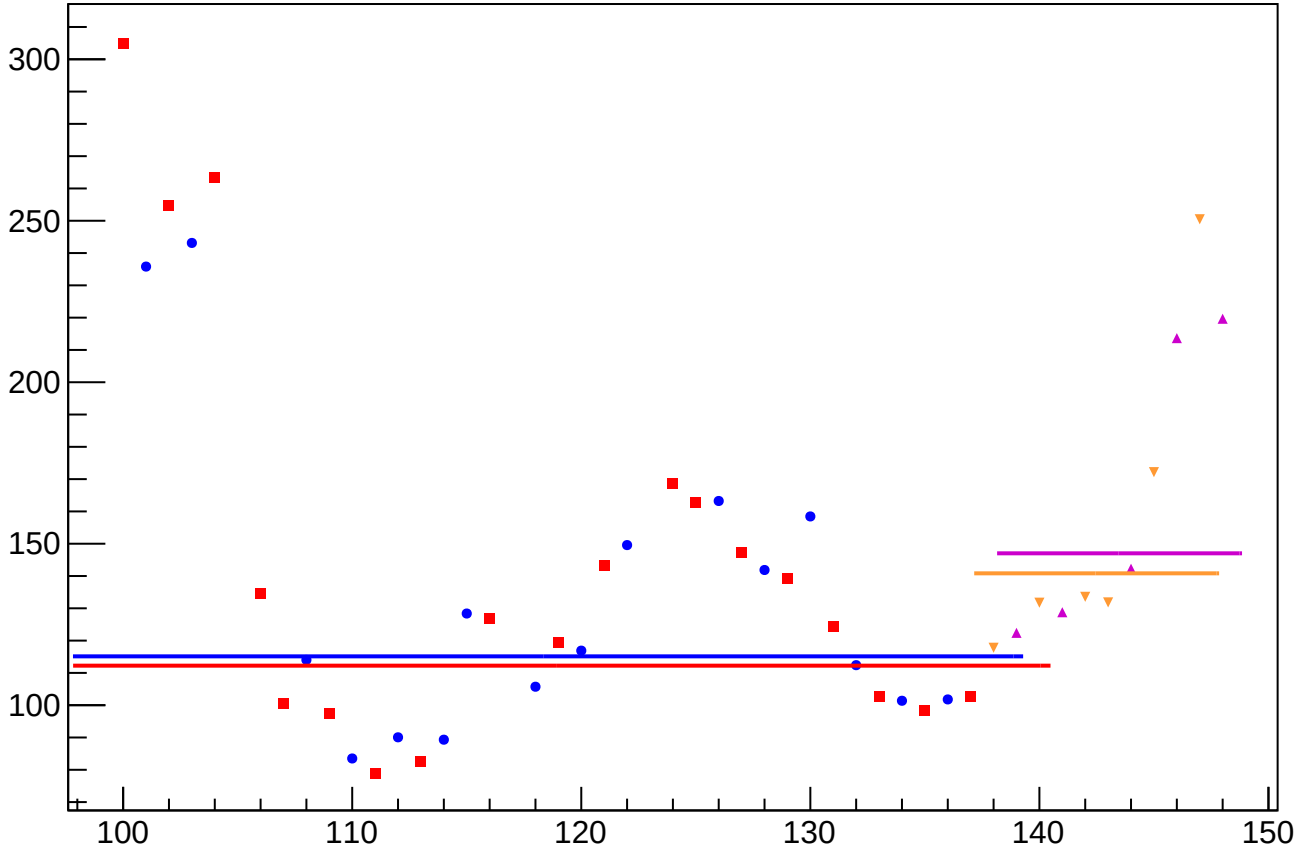
Left In: 9370.746+/-73.442 χ^2/NDF:9415.3/4

+ sign -84.766+/-38.259 χ^2/NDF: 39257.2/21

All: 2175.365+/-26.928 χ^2/NDF: 69947.2/45

- sign 4393.966+/-37.906 χ^2/NDF: 23774.6/23

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

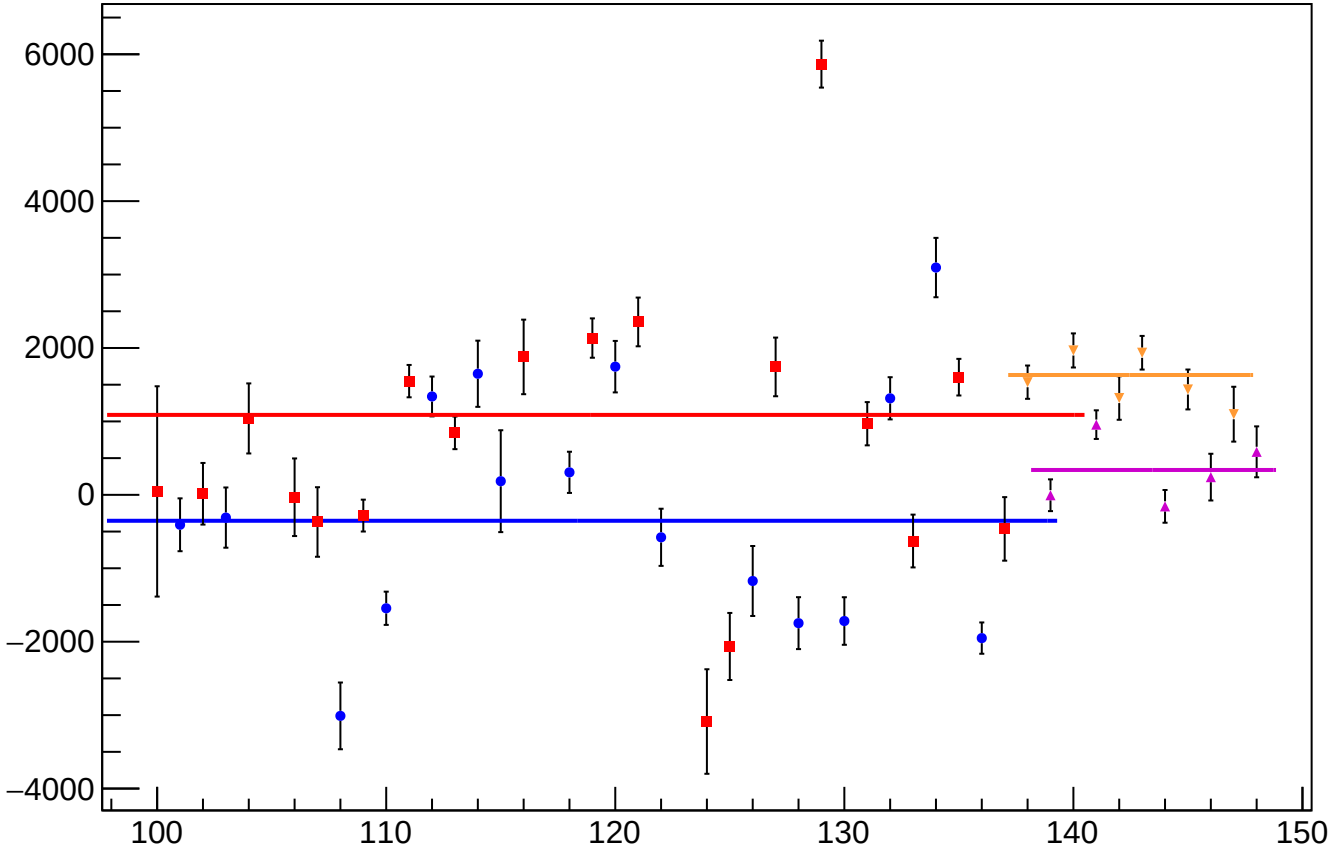
Left In: 147.027+/-0.052 χ^2/NDF:447714.0/4

+ sign 122.994+/-0.027 χ^2/NDF: 1747233.8/21

All: 122.244+/-0.019 χ^2/NDF: 3853794.6/45

- sign 121.508+/-0.027 χ^2/NDF: 2105037.6/23

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

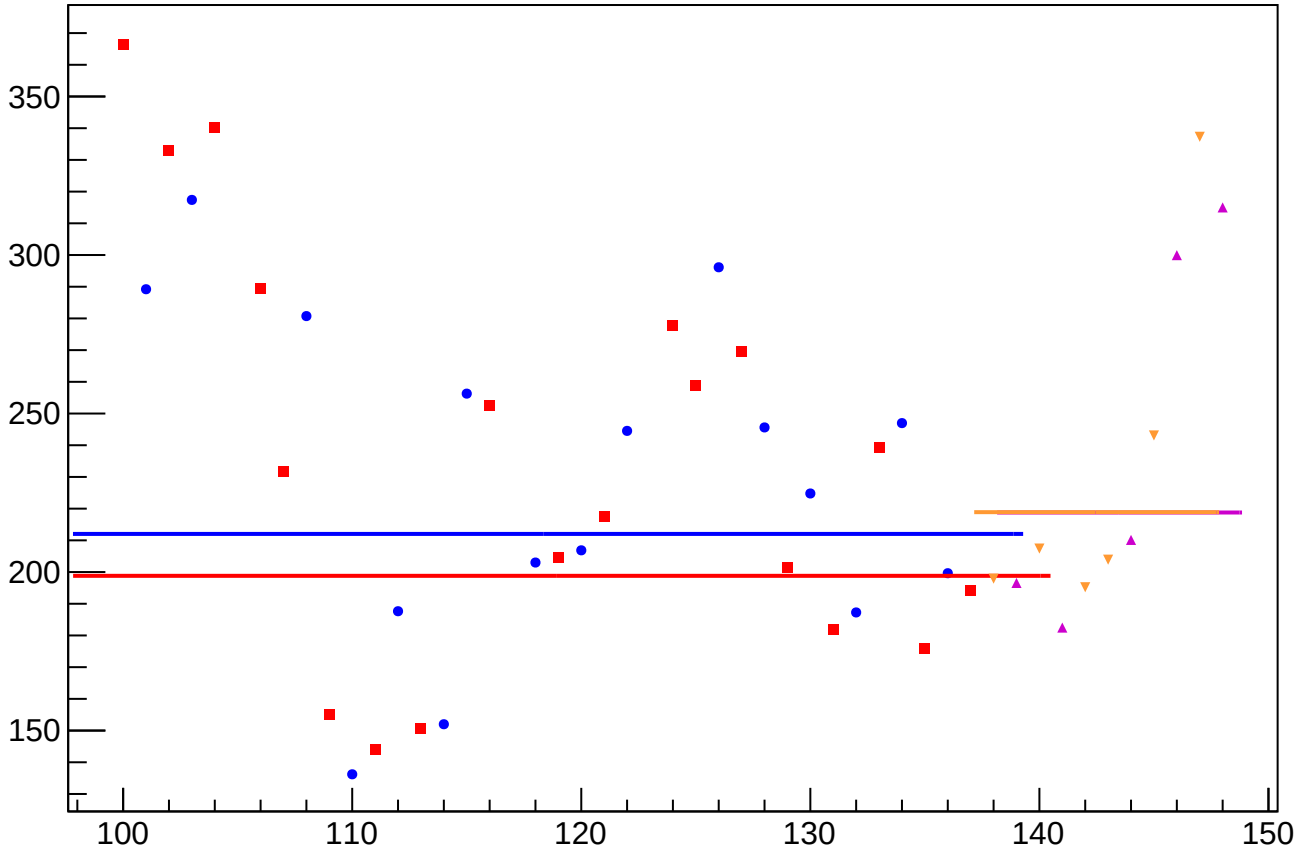
Left In: 338.716+/-107.830 χ^2/NDF:18.1/4

\+ sign 392.543+/-64.903 χ^2/NDF: 589.0/21

All: 624.099+/-44.968 χ^2/NDF: 1110.9/45

\- sign 837.880+/-62.362 χ^2/NDF: 497.5/23

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

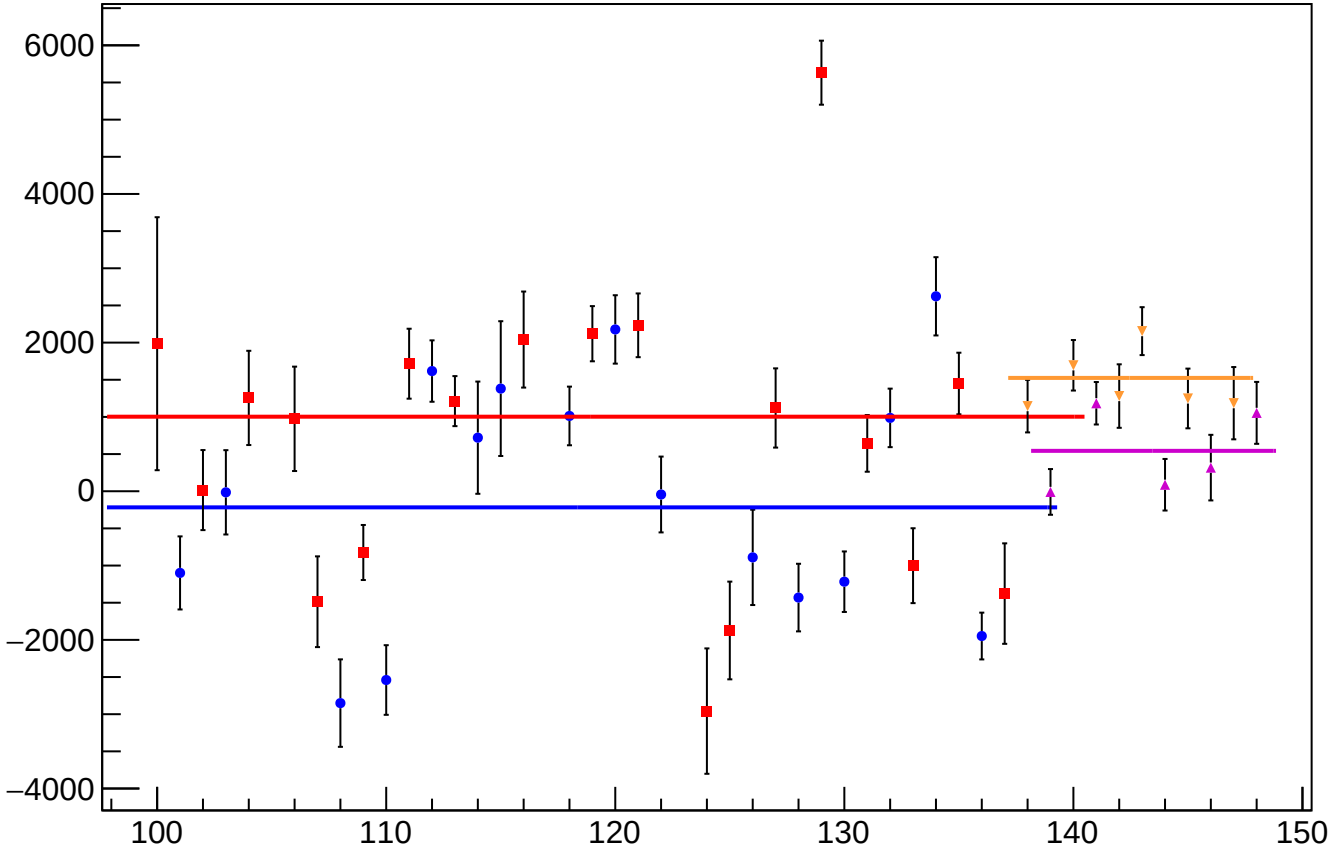
Left In: 218.782+/-0.076 χ^2/NDF:377760.7/4

+ sign 214.605+/-0.046 χ^2/NDF: 955705.3/21

All: 209.865+/-0.032 χ^2/NDF: 2374571.1/45

- sign 205.490+/-0.044 χ^2/NDF: 1398356.3/23

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

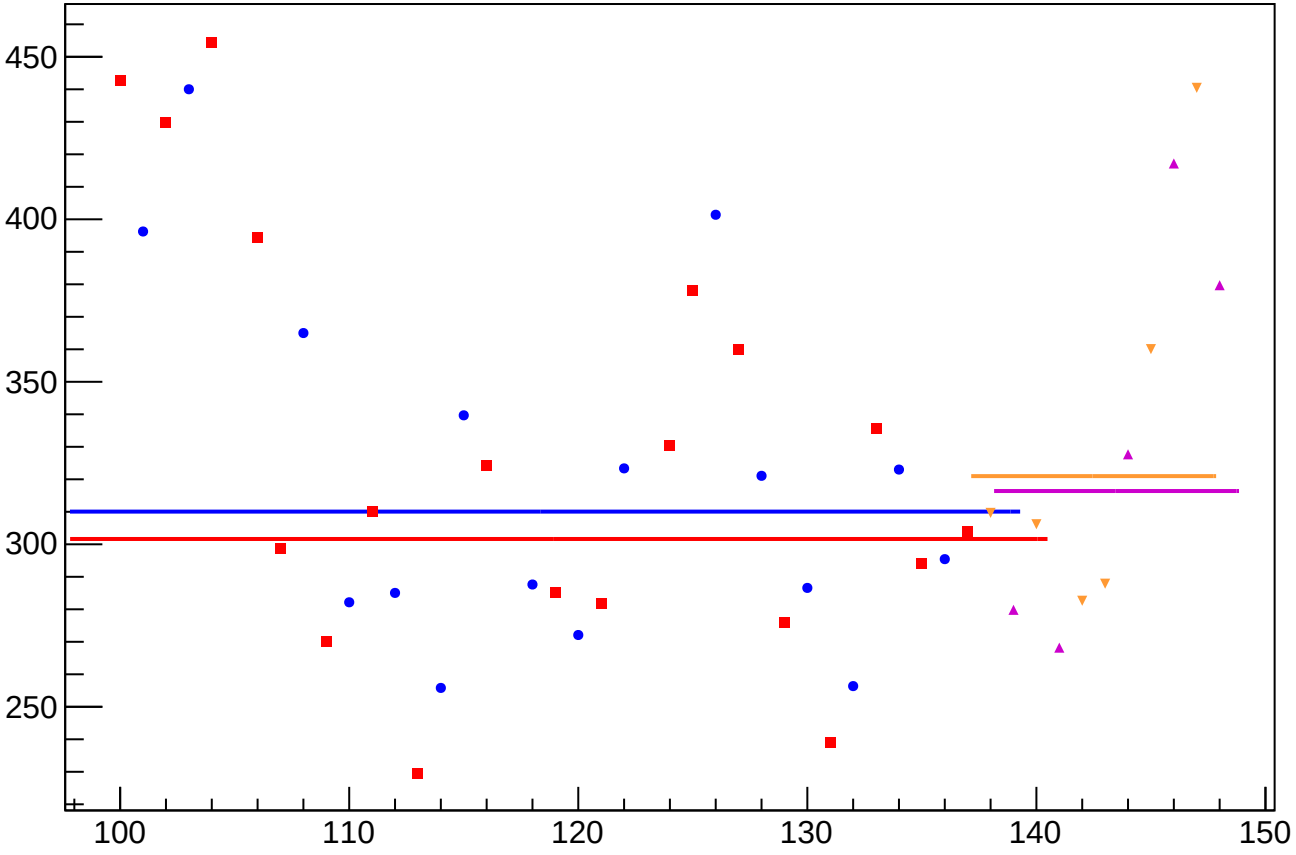
Left In: 543.452+/-154.266 χ^2/NDF:11.7/4

\+ sign 426.775+/-93.602 χ^2/NDF: 279.4/21

All: 639.925+/-65.327 χ^2/NDF: 561.3/45

\- sign 842.355+/-91.218 χ^2/NDF: 271.9/23

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

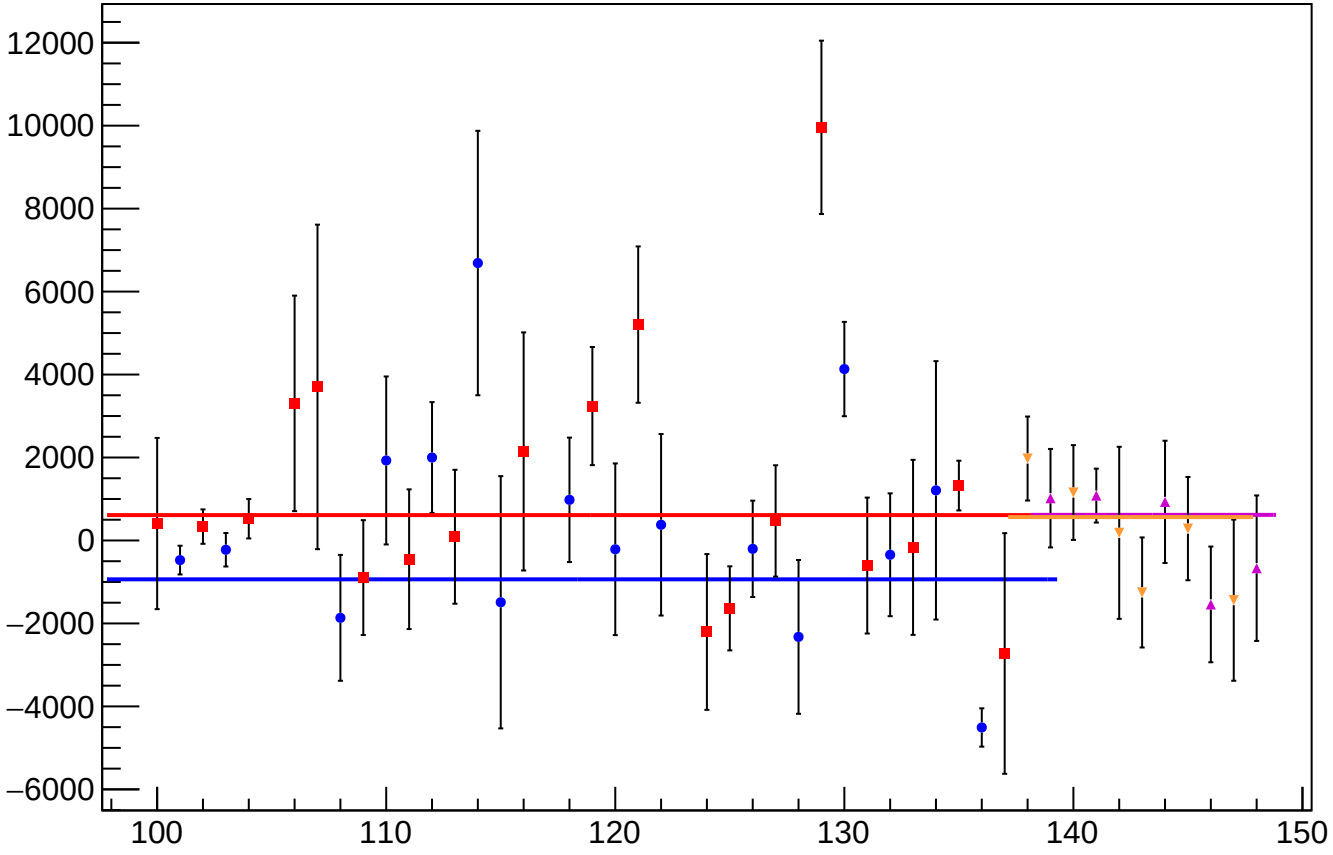
Left In: 316.393+/-0.109 χ^2/NDF:237809.8/4

+ sign 314.097+/-0.066 χ^2/NDF: 512296.2/21

All: 310.352+/-0.046 χ^2/NDF: 1288135.4/45

- sign 306.796+/-0.065 χ^2/NDF: 769599.4/23

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

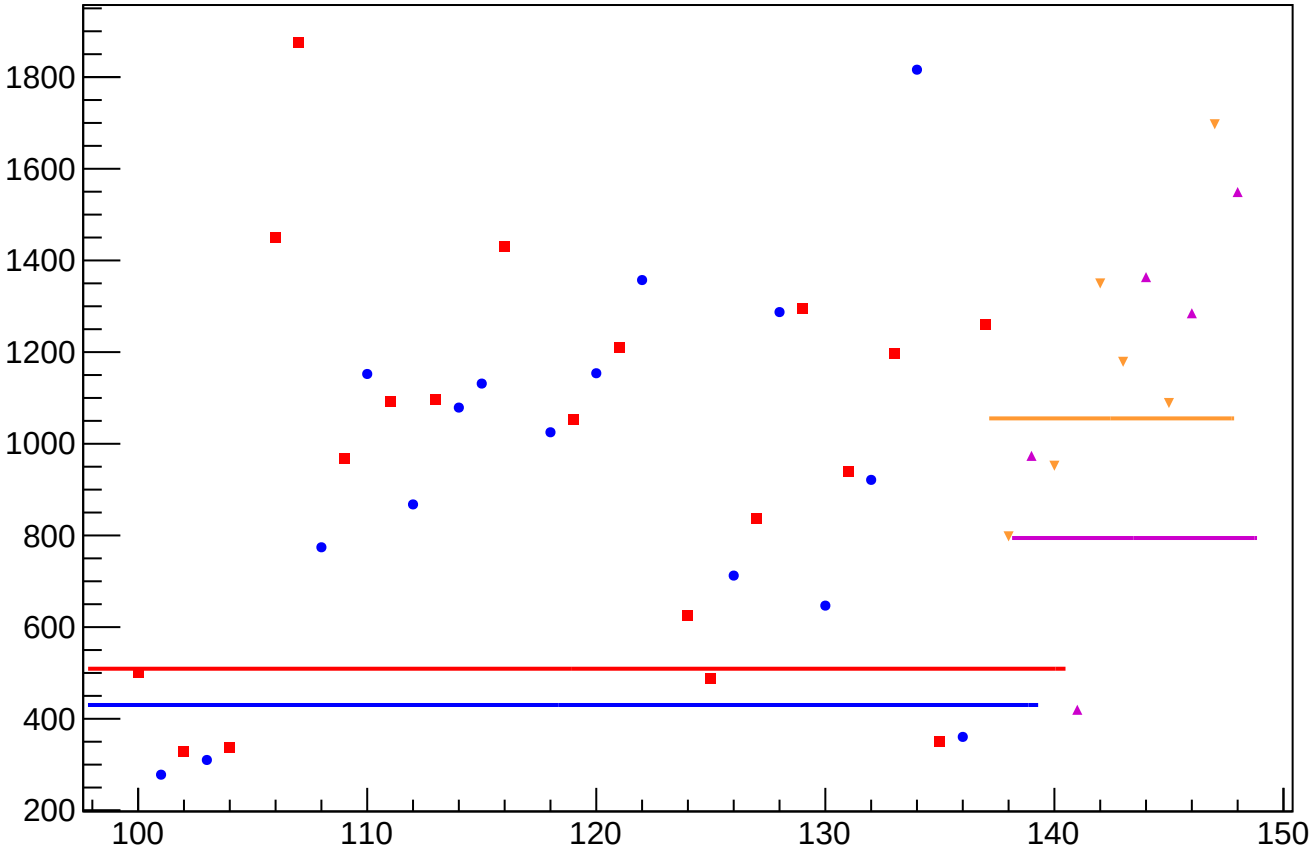
Left In: 617.415+/-478.039 χ^2/NDF:3.6/4

+ sign -747.206+/-191.339 χ^2/NDF: 113.2/21

All: -128.869+/-141.298 χ^2/NDF: 183.9/45

- sign 612.773+/-209.551 χ^2/NDF: 47.7/23

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

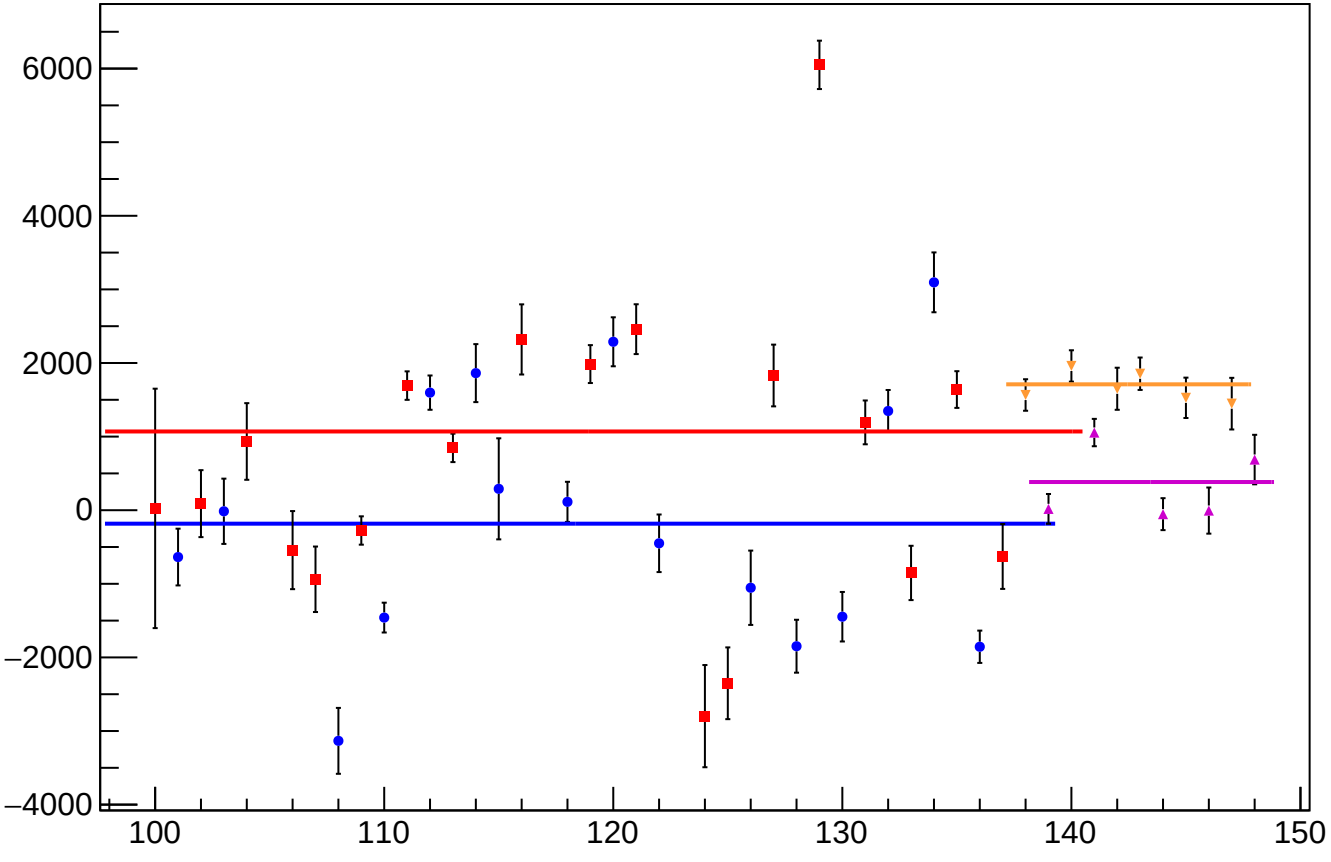
Left In: 794.418+/-0.338 χ^2/NDF:1626316.6/4

+ sign 509.158+/-0.135 χ^2/NDF: 6303495.9/21

All: 534.108+/-0.100 χ^2/NDF: 12253047.9/45

- sign 564.035+/-0.148 χ^2/NDF: 5874752.2/23

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

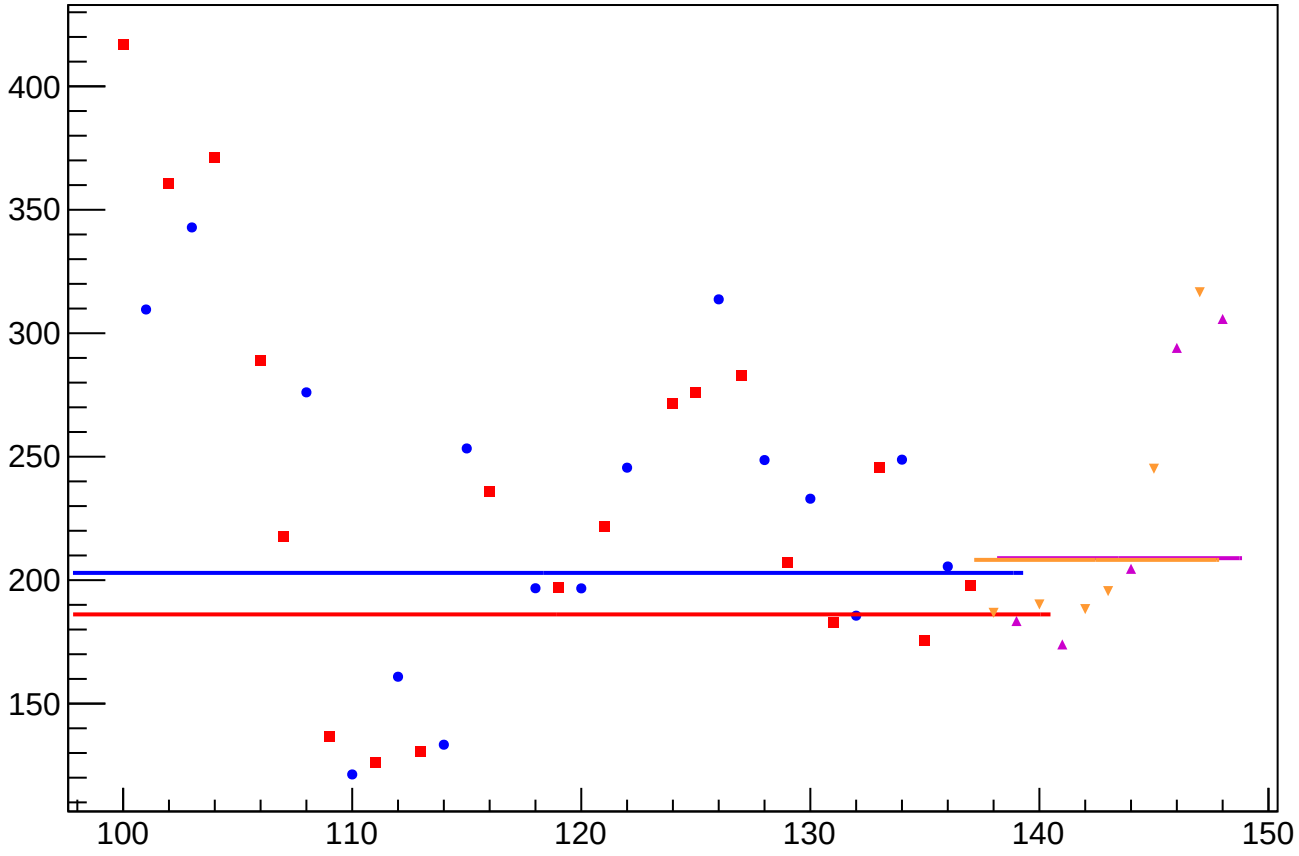
Left In: 382.925+/-103.357 χ^2/NDF:22.7/4

+ sign 545.918+/-62.629 χ^2/NDF: 637.4/21

All: 700.564+/-43.198 χ^2/NDF: 1193.4/45

- sign 840.894+/-59.660 χ^2/NDF: 544.4/23

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

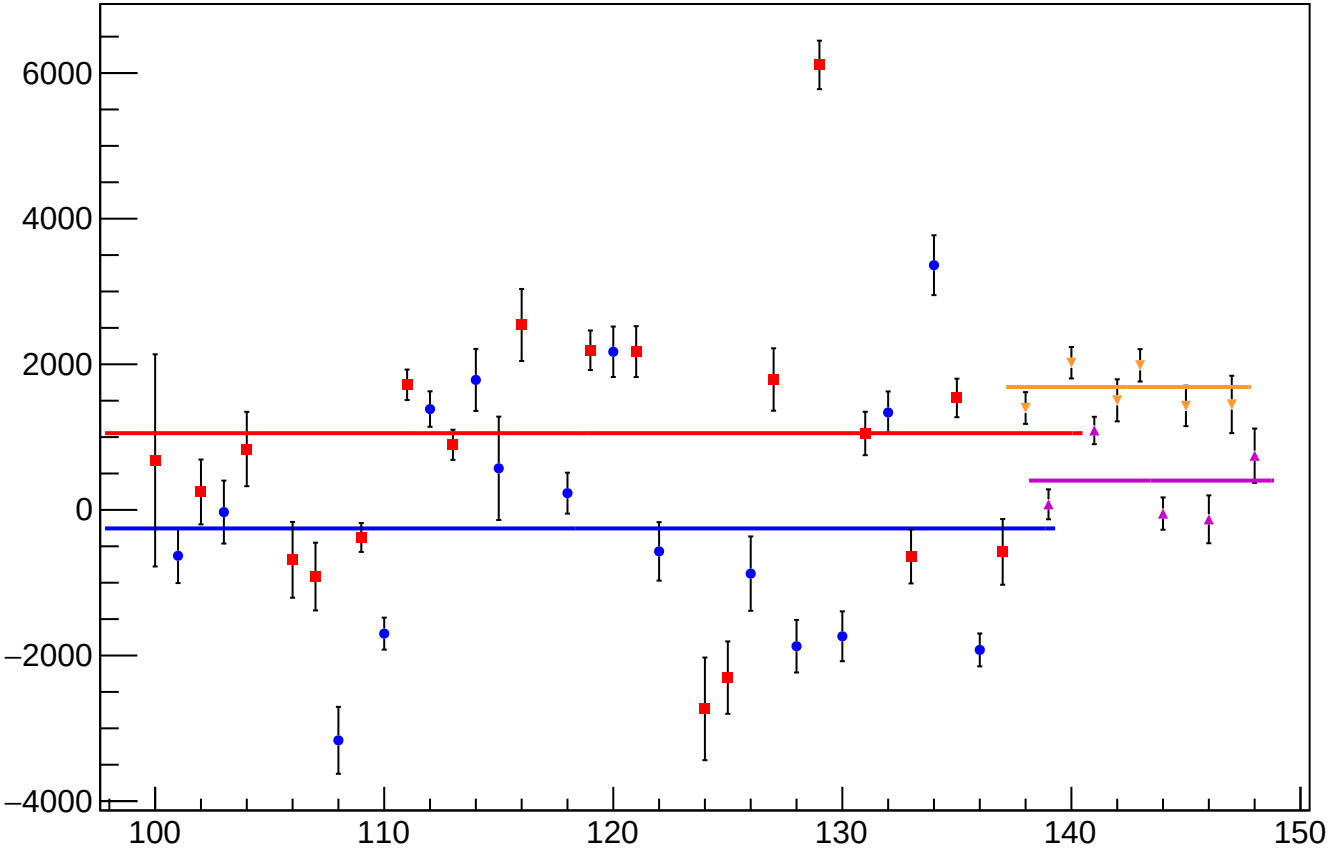
Left In: 208.902+/-0.073 χ^2/NDF:416676.1/4

+ sign 204.972+/-0.044 χ^2/NDF: 1353169.6/21

All: 199.071+/-0.031 χ^2/NDF: 3350120.0/45

- sign 193.717+/-0.042 χ^2/NDF: 1963083.8/23

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

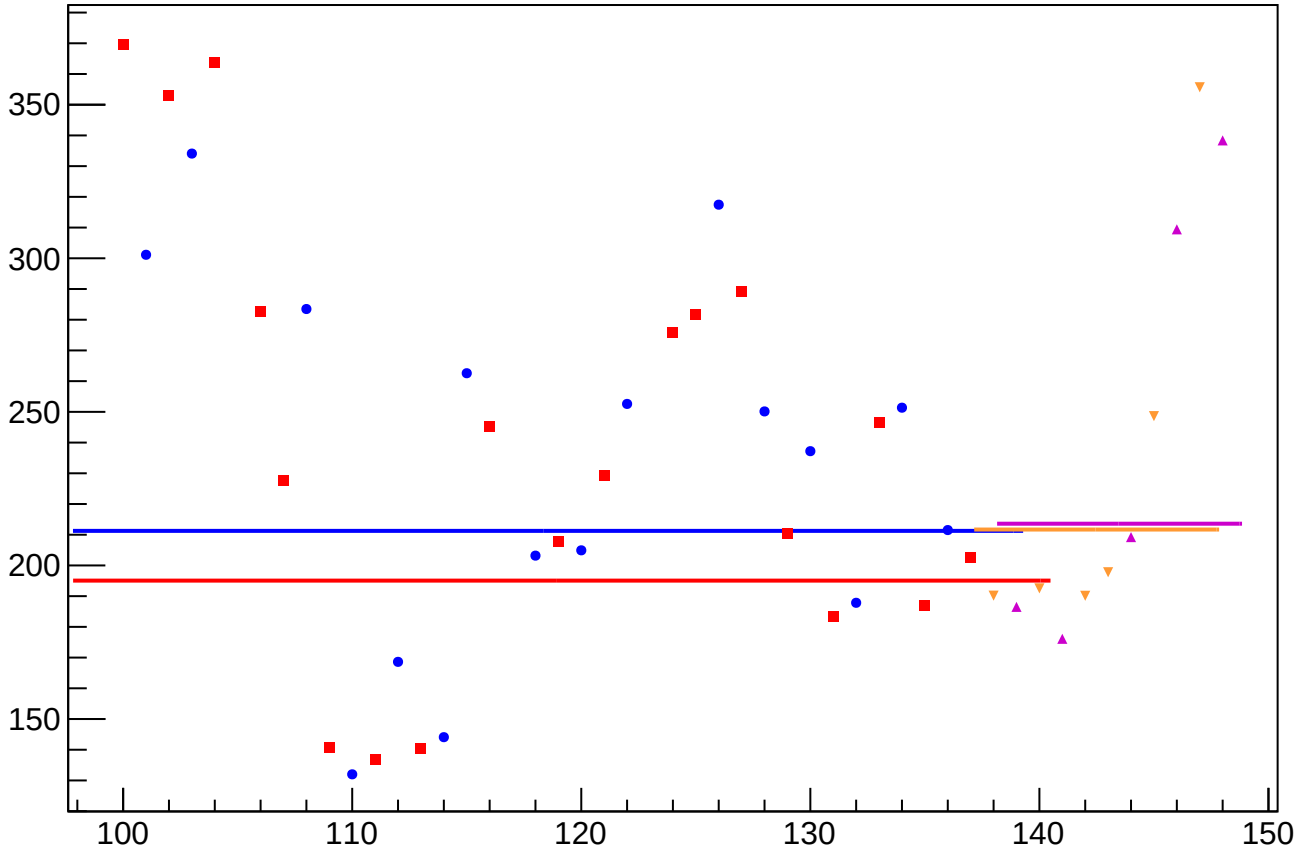
Left In: 403.098+/-106.195 χ^2/NDF:23.5/4

+ sign 503.811+/-64.409 χ^2/NDF: 633.3/21

All: 675.491+/-44.588 χ^2/NDF: 1173.0/45

- sign 833.479+/-61.787 χ^2/NDF: 526.0/23

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

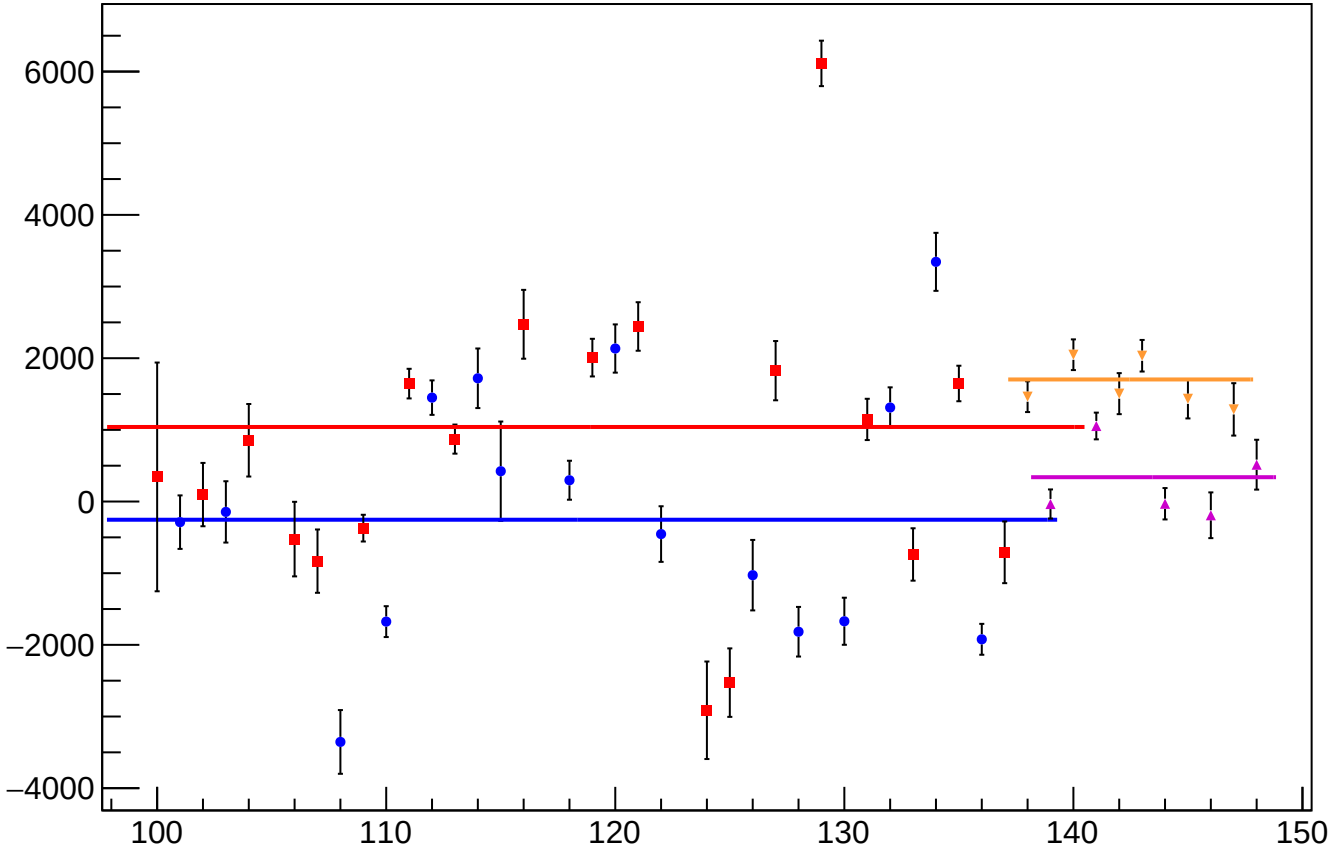
Left In: 213.588+/-0.075 χ^2/NDF:509316.4/4

+ sign 211.423+/-0.046 χ^2/NDF: 1240713.0/21

All: 206.168+/-0.032 χ^2/NDF: 3100737.8/45

- sign 201.333+/-0.044 χ^2/NDF: 1834464.3/23

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

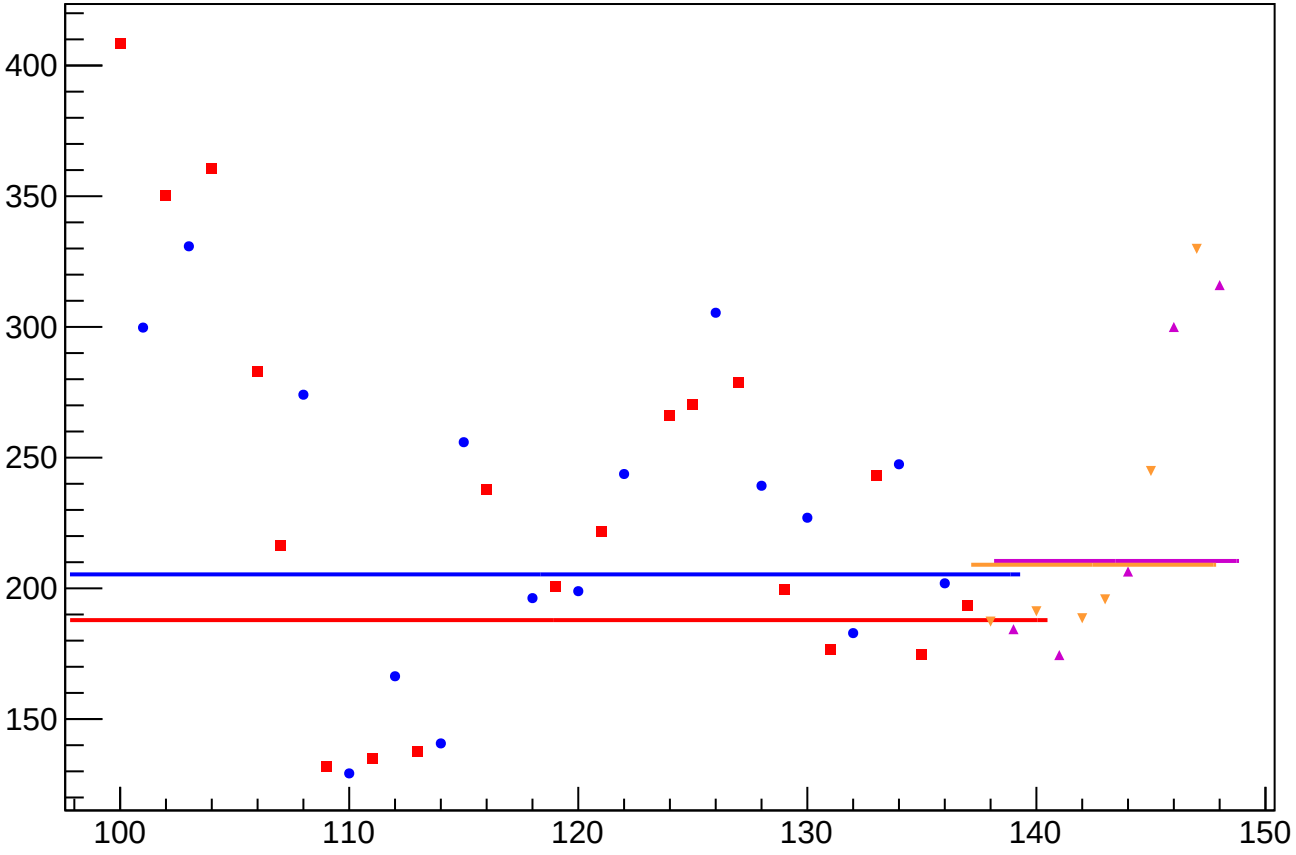
Left In: 339.578+/-104.317 χ^2/NDF:24.0/4

+ sign 498.502+/-62.940 χ^2/NDF: 669.8/21

All: 660.865+/-43.432 χ^2/NDF: 1270.1/45

- sign 808.457+/-60.009 χ^2/NDF: 587.5/23

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

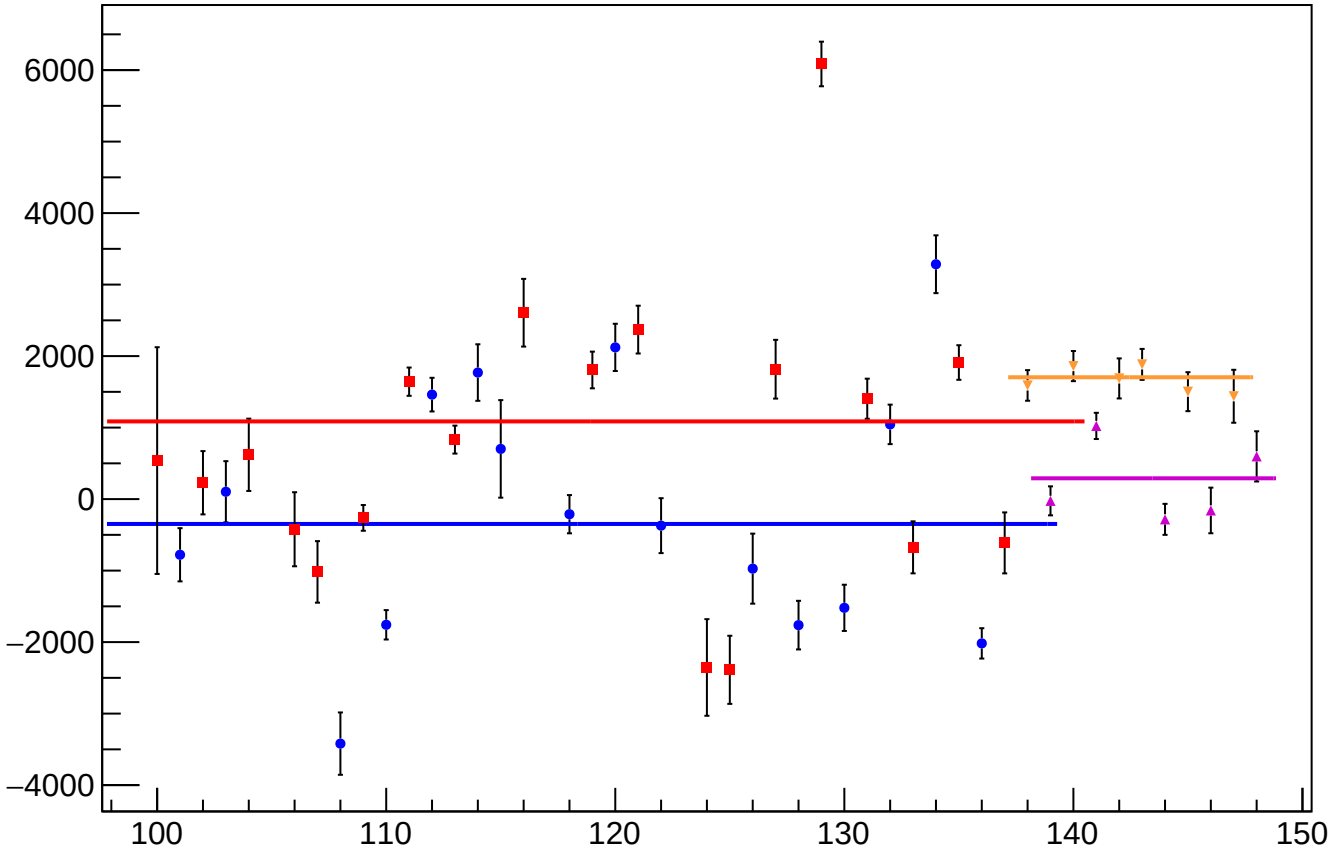
Left In: 210.477+/-0.074 χ^2/NDF:449536.3/4

+ sign 206.760+/-0.045 χ^2/NDF: 1183578.4/21

All: 200.776+/-0.031 χ^2/NDF: 3067644.7/45

- sign 195.337+/-0.042 χ^2/NDF: 1849555.7/23

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

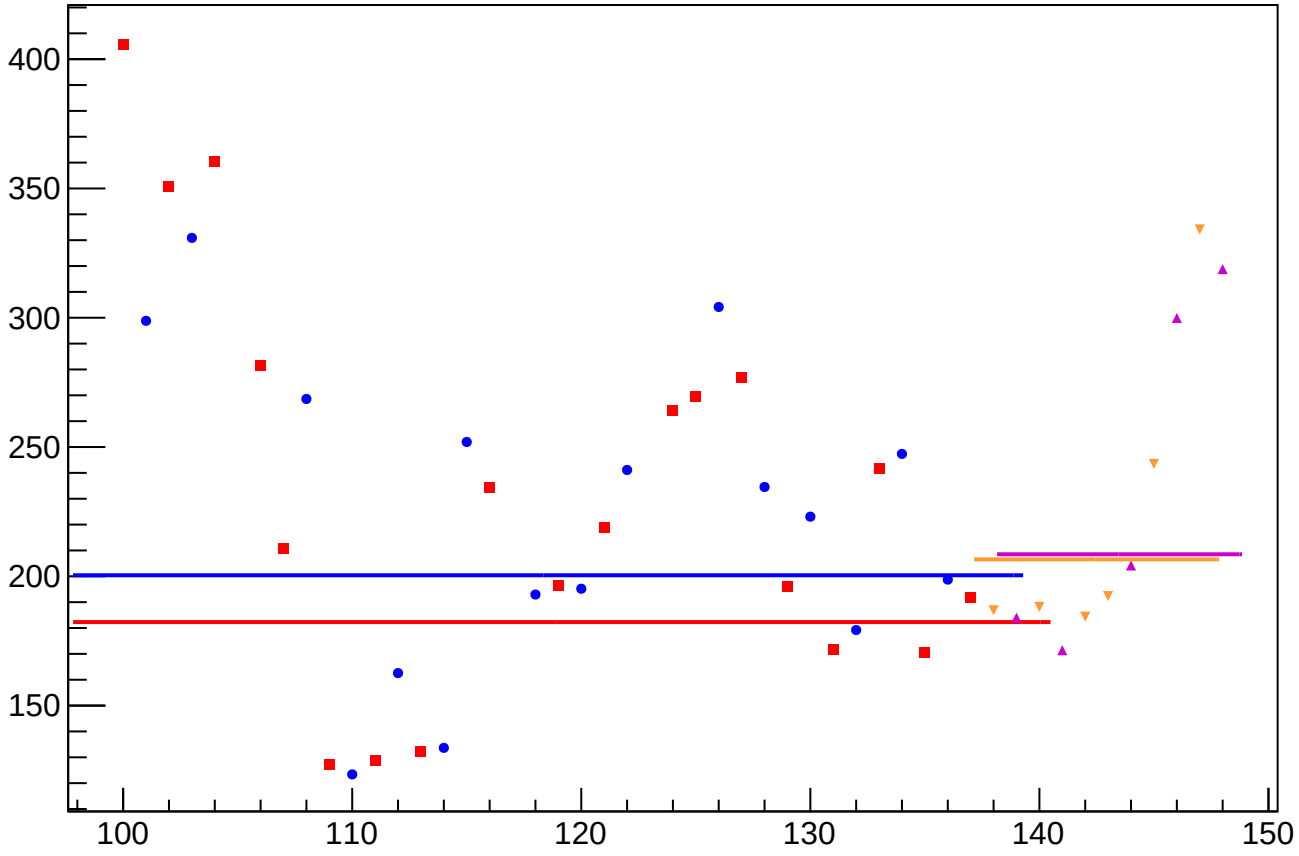
Left In: 290.819+/-103.502 χ^2/NDF:28.2/4

\+ sign 431.445+/-61.876 χ^2/NDF: 707.3/21

All: 640.372+/-42.643 χ^2/NDF: 1324.4/45

\- sign 829.360+/-58.850 χ^2/NDF: 595.4/23

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

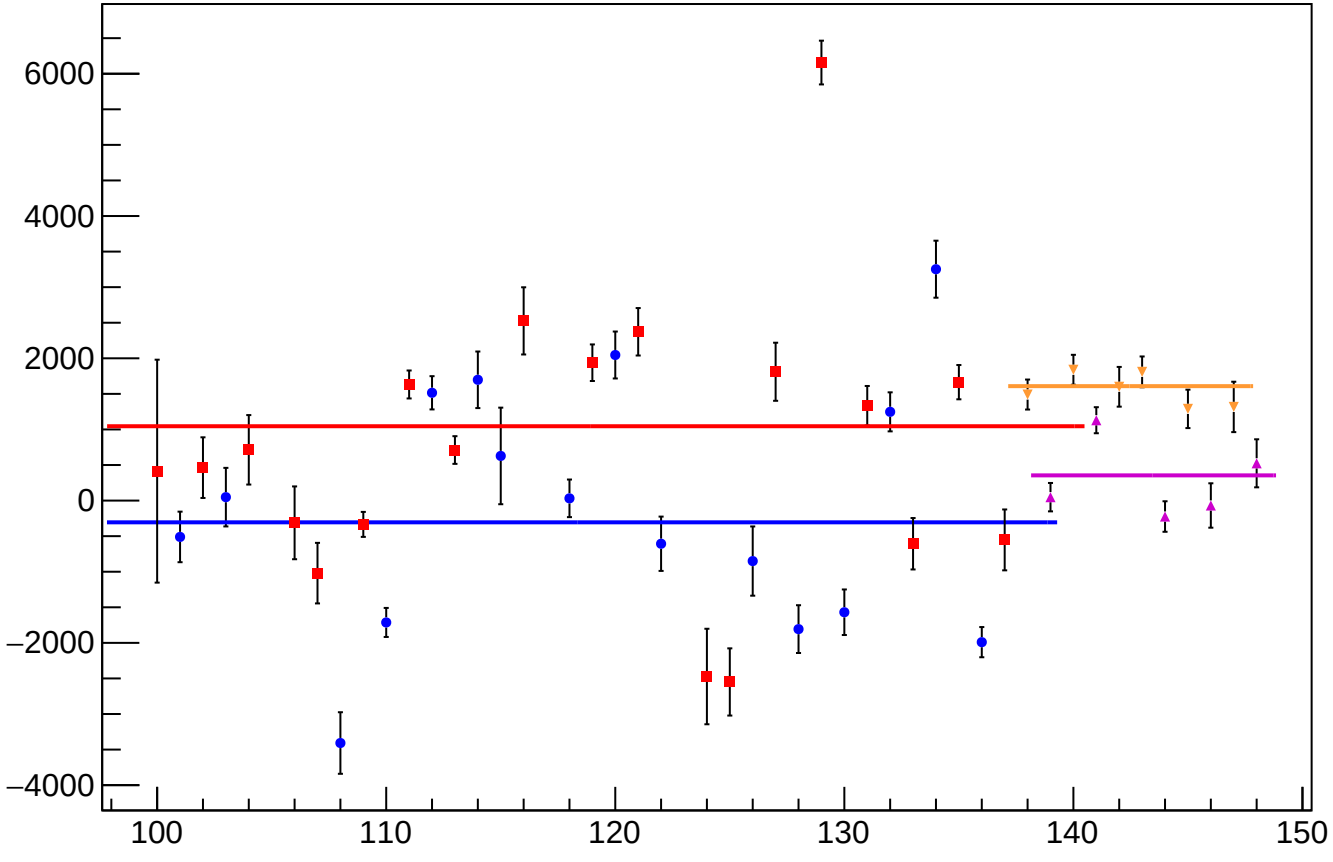
Left In: 208.519+/-0.073 χ^2/NDF:473655.0/4

+ sign 202.731+/-0.044 χ^2/NDF: 1291187.6/21

All: 196.455+/-0.030 χ^2/NDF: 3338072.6/45

- sign 190.777+/-0.042 χ^2/NDF: 2007693.3/23

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

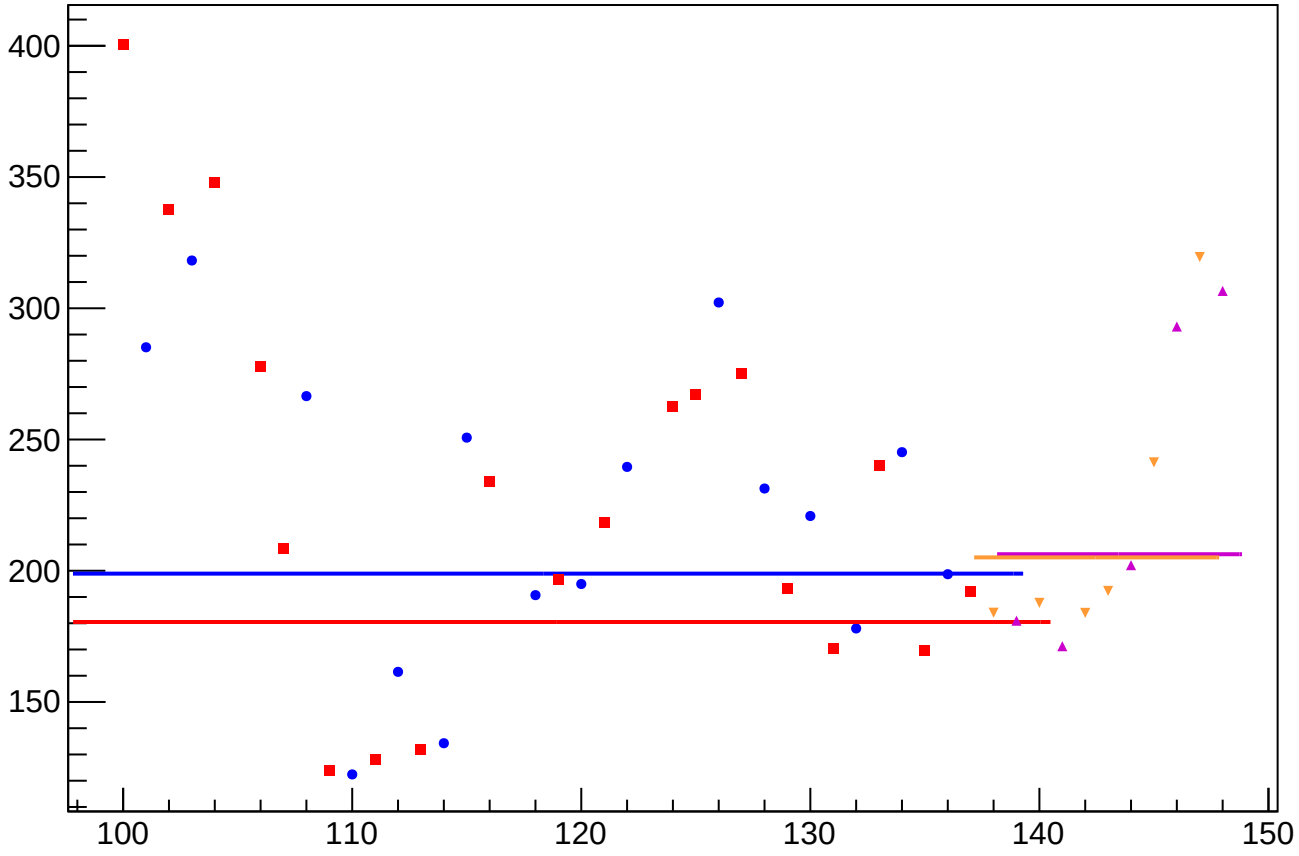
Left In: 354.434+/-102.218 χ^2/NDF:29.6/4

+ sign 421.062+/-61.332 χ^2/NDF: 685.7/21

All: 631.507+/-42.223 χ^2/NDF: 1320.7/45

- sign 821.108+/-58.215 χ^2/NDF: 612.7/23

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

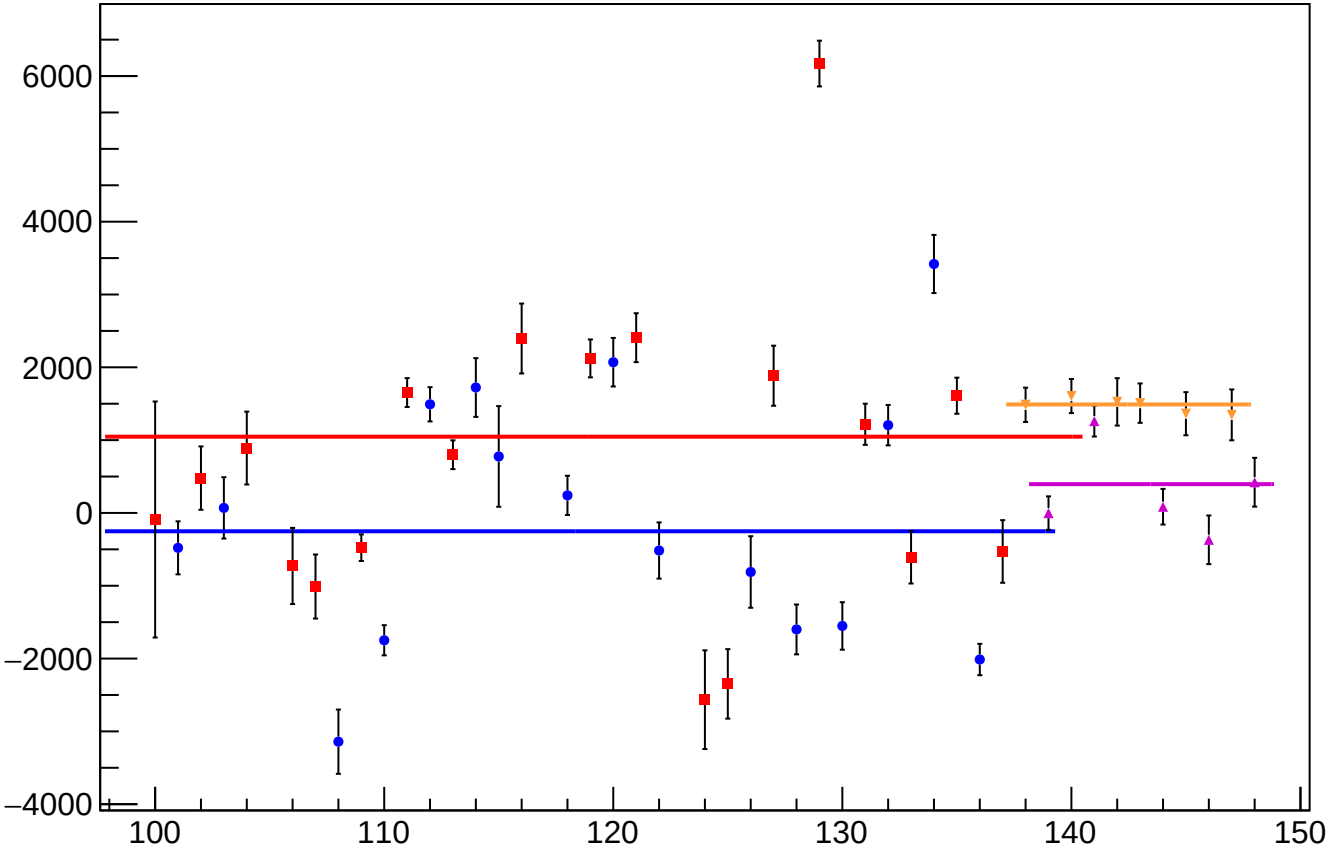
Left In: 206.296+/-0.072 χ^2/NDF:437452.5/4

+ sign 201.250+/-0.043 χ^2/NDF: 1214244.7/21

All: 194.726+/-0.030 χ^2/NDF: 3215389.8/45

- sign 188.849+/-0.041 χ^2/NDF: 1958127.8/23

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

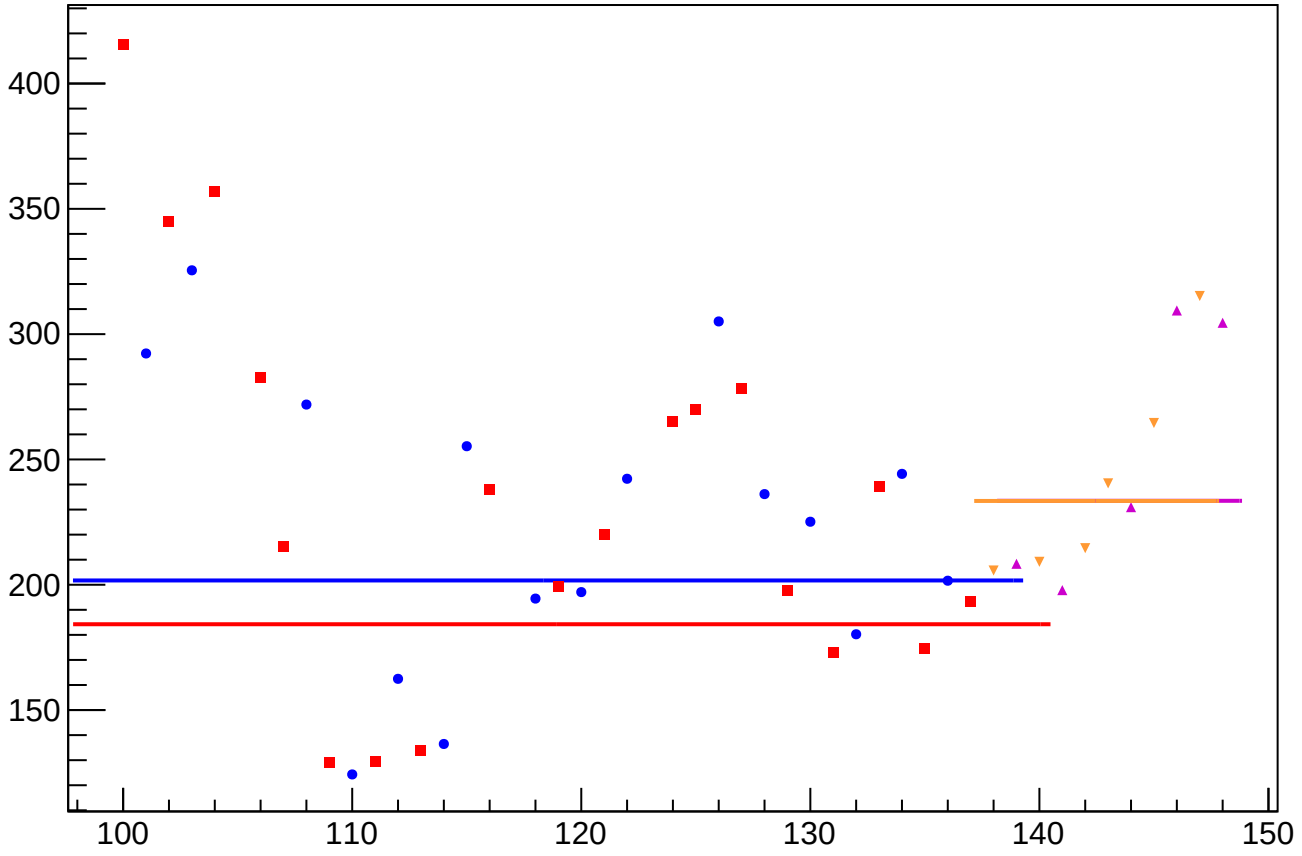
Left In: 395.585+/-114.859 χ^2/NDF:26.6/4

\+ sign 323.073+/-64.638 χ^2/NDF: 602.4/21

All: 607.936+/-44.410 χ^2/NDF: 1235.5/45

\- sign 862.635+/-61.120 χ^2/NDF: 596.4/23

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

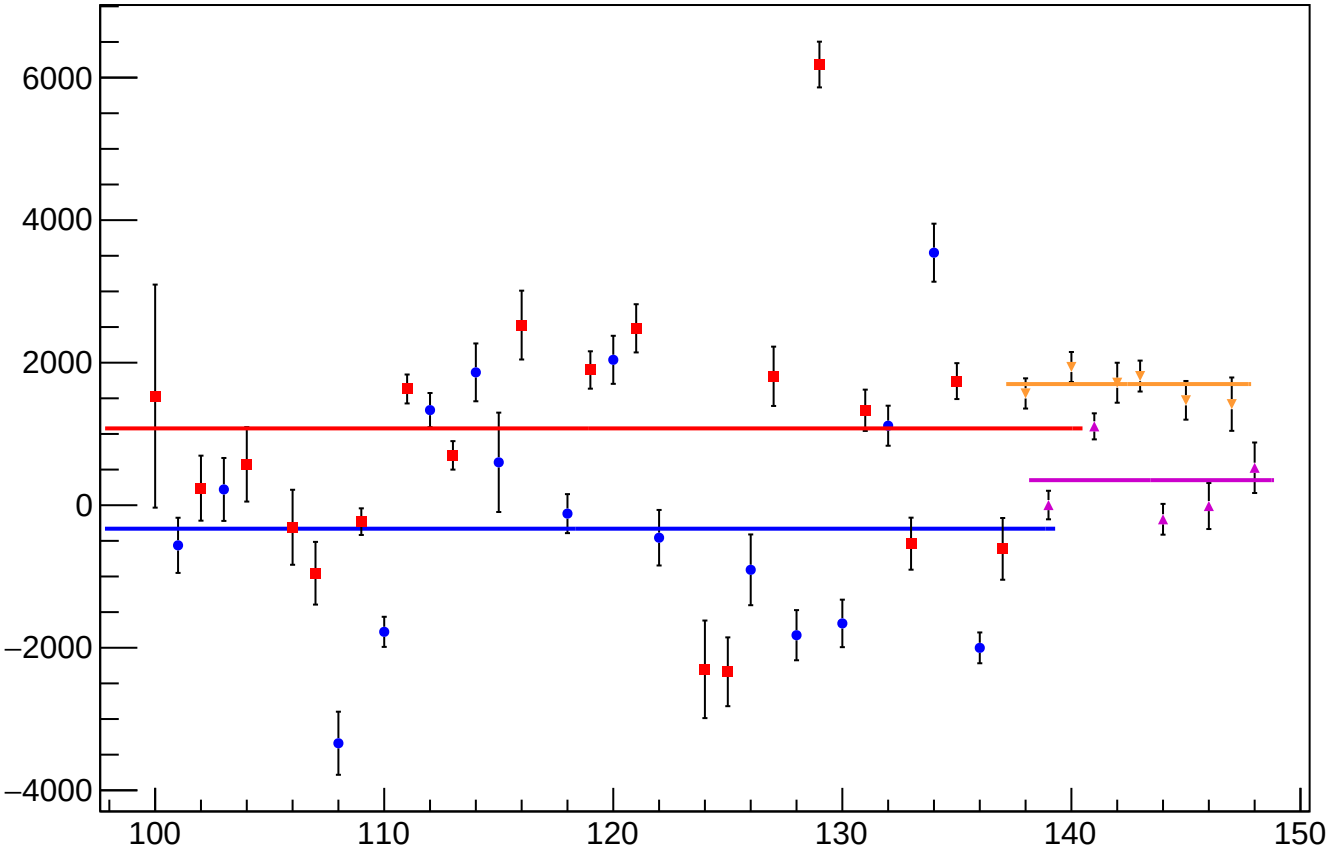
Left In: 233.498+/-0.081 χ^2/NDF:274092.4/4

+ sign 212.186+/-0.046 χ^2/NDF: 1219801.2/21

All: 204.797+/-0.031 χ^2/NDF: 3210789.6/45

- sign 198.191+/-0.043 χ^2/NDF: 1941489.2/23

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

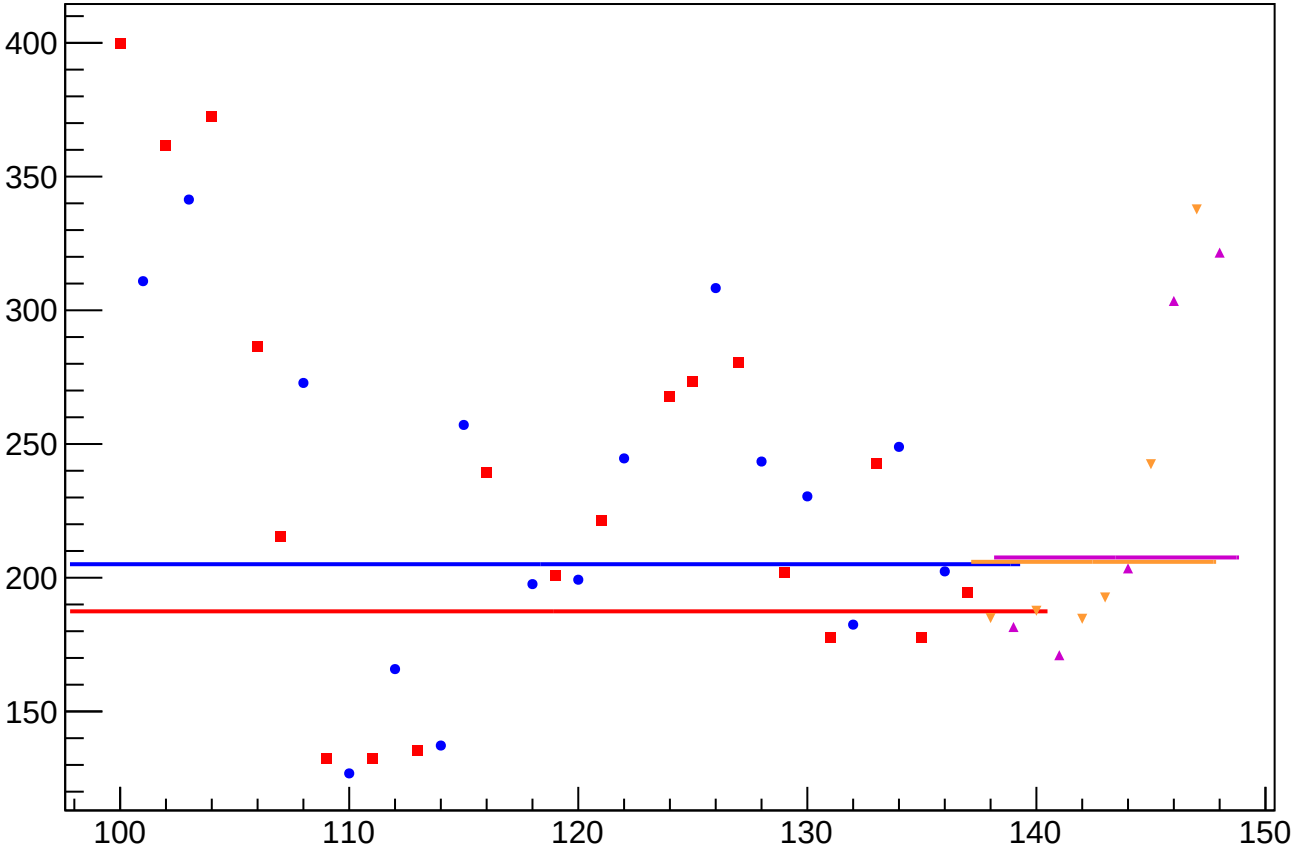
Left In: 351.683+/-103.224 χ^2/NDF:28.1/4

\+ sign 464.792+/-62.700 χ^2/NDF: 689.2/21

All: 658.058+/-43.282 χ^2/NDF: 1270.2/45

\- sign 833.981+/-59.821 χ^2/NDF: 562.9/23

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

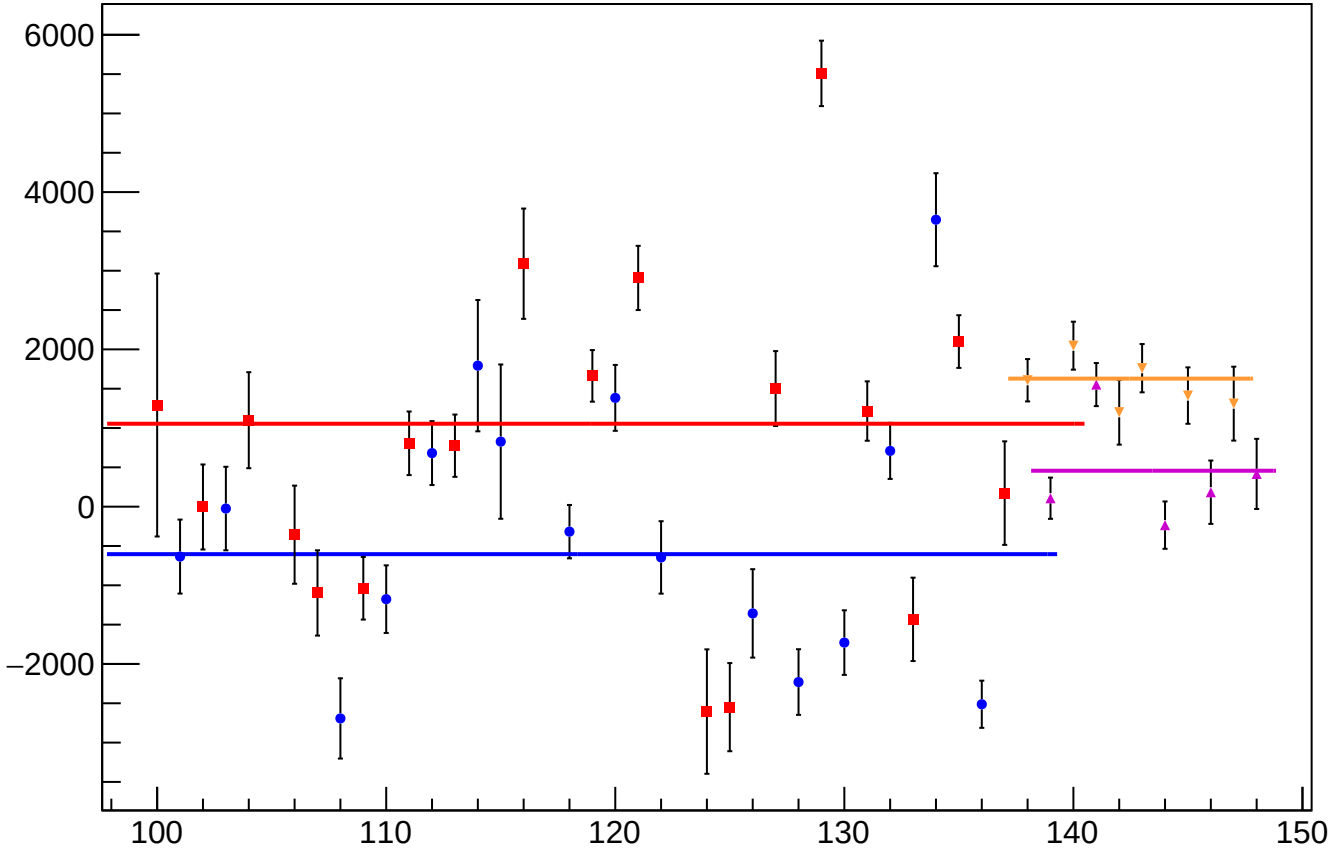
Left In: 207.575+/-0.073 χ^2/NDF:497968.2/4

+ sign 205.402+/-0.044 χ^2/NDF: 1301134.9/21

All: 199.536+/-0.031 χ^2/NDF: 3293931.0/45

- sign 194.197+/-0.042 χ^2/NDF: 1959357.2/23

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

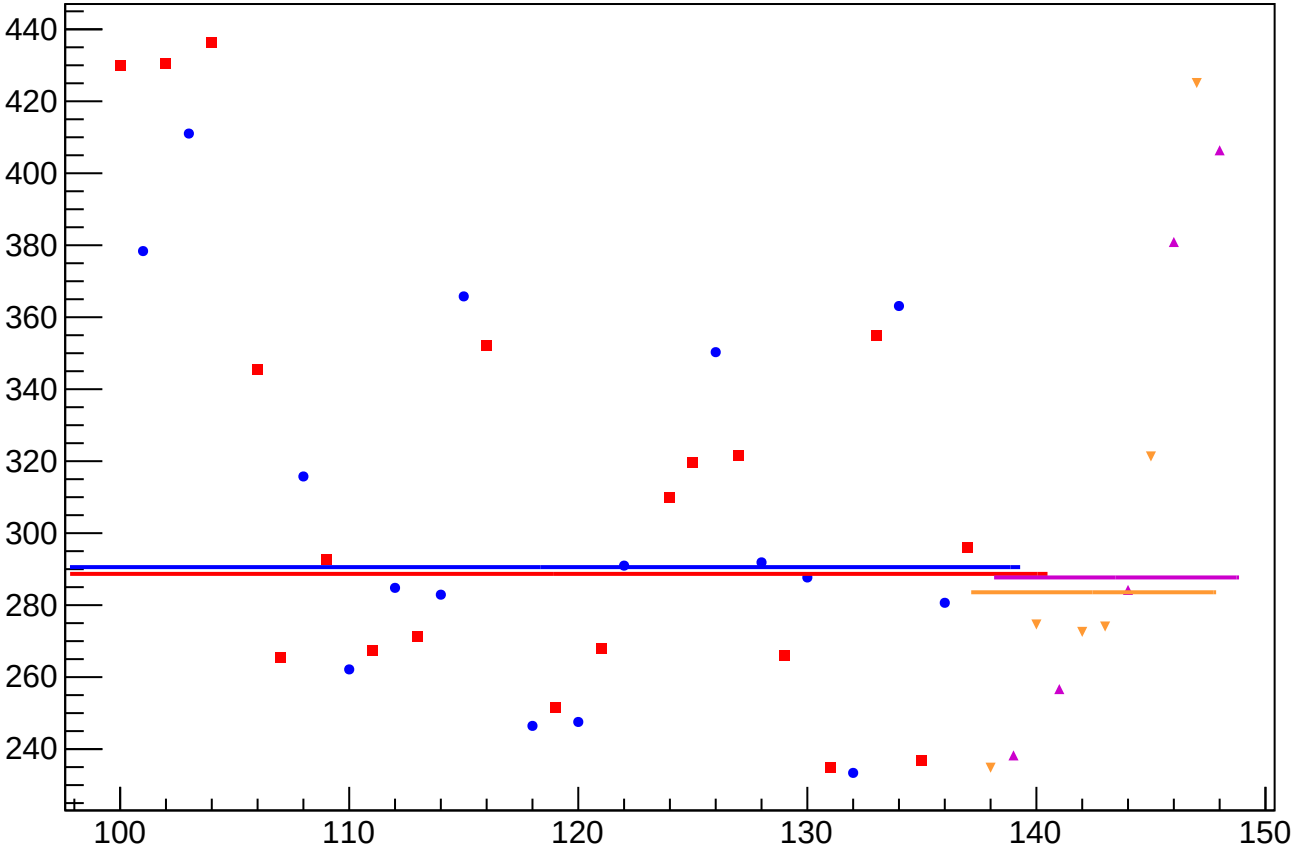
Left In: 456.779+/-141.269 χ^2/NDF:23.5/4

+ sign 278.376+/-86.079 χ^2/NDF: 358.2/21

All: 556.351+/-60.815 χ^2/NDF: 711.5/45

- sign 833.376+/-85.931 χ^2/NDF: 332.5/23

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

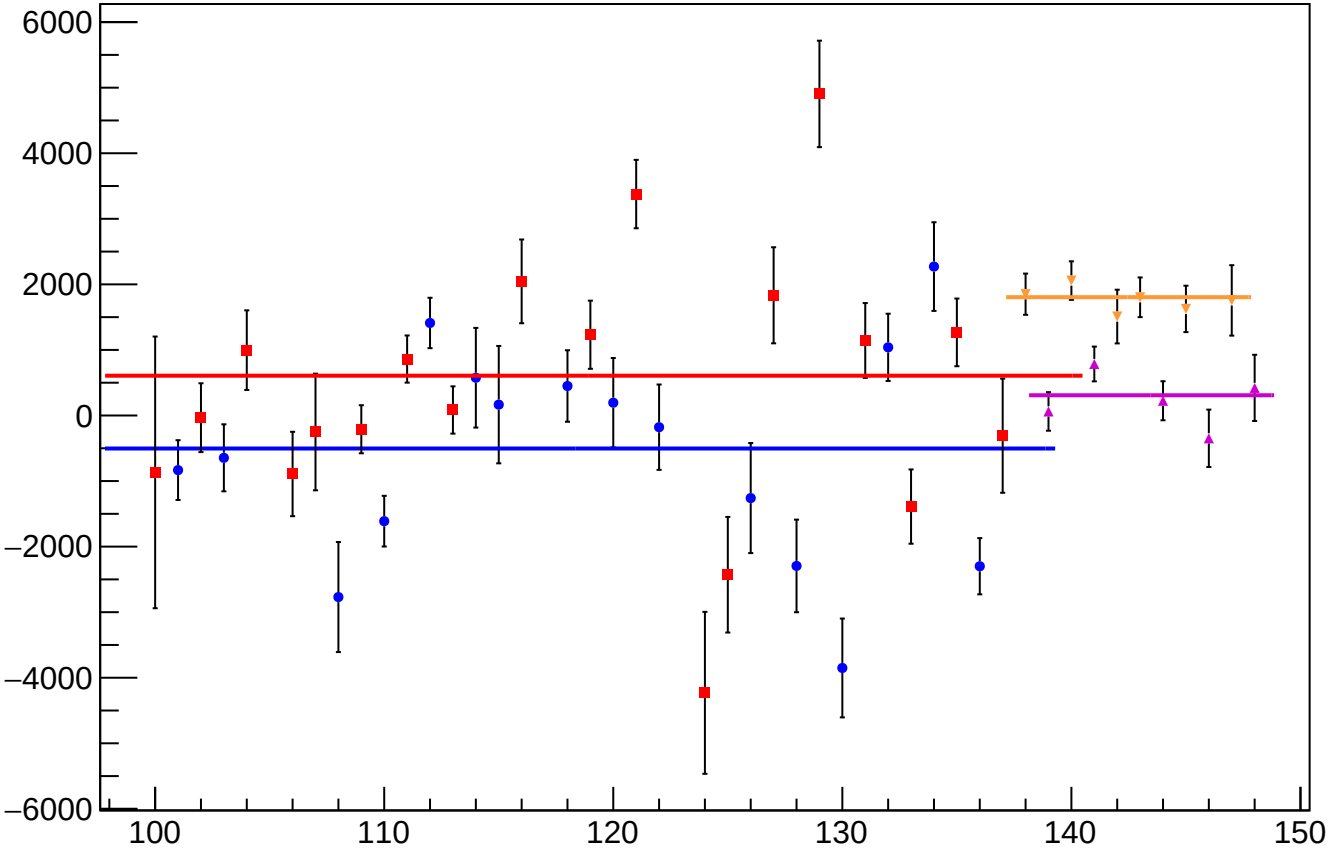
Left In: 287.695+/-0.100 χ^2/NDF:345840.7/4

+ sign 287.803+/-0.061 χ^2/NDF: 637070.3/21

All: 288.061+/-0.043 χ^2/NDF: 1472103.9/45

- sign 288.319+/-0.061 χ^2/NDF: 834997.6/23

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

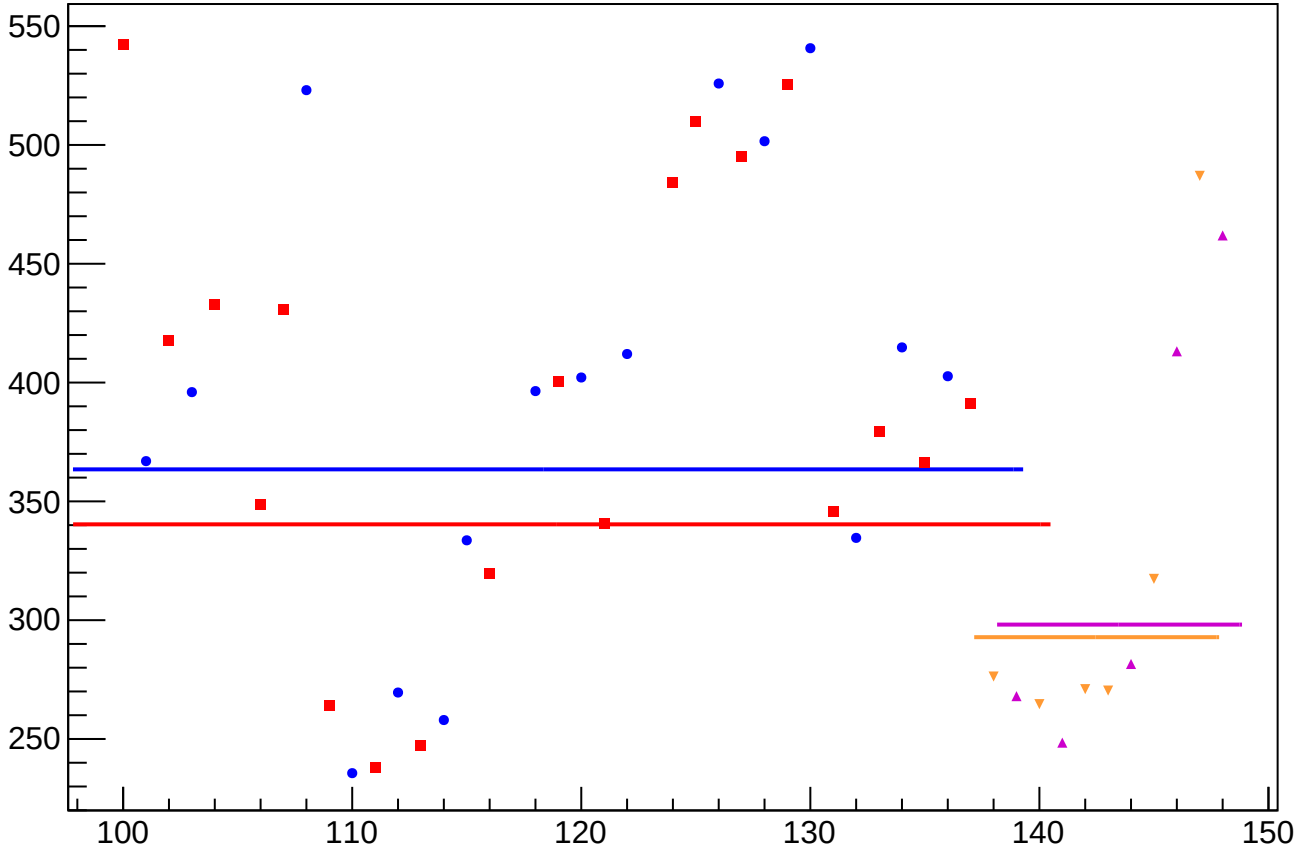
Left In: 308.642+/-147.057 χ^2/NDF:6.3/4

\+ sign 639.483+/-99.508 χ^2/NDF: 254.3/21

All: 556.105+/-69.545 χ^2/NDF: 389.5/45

\- sign 476.496+/-97.234 χ^2/NDF: 133.8/23

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

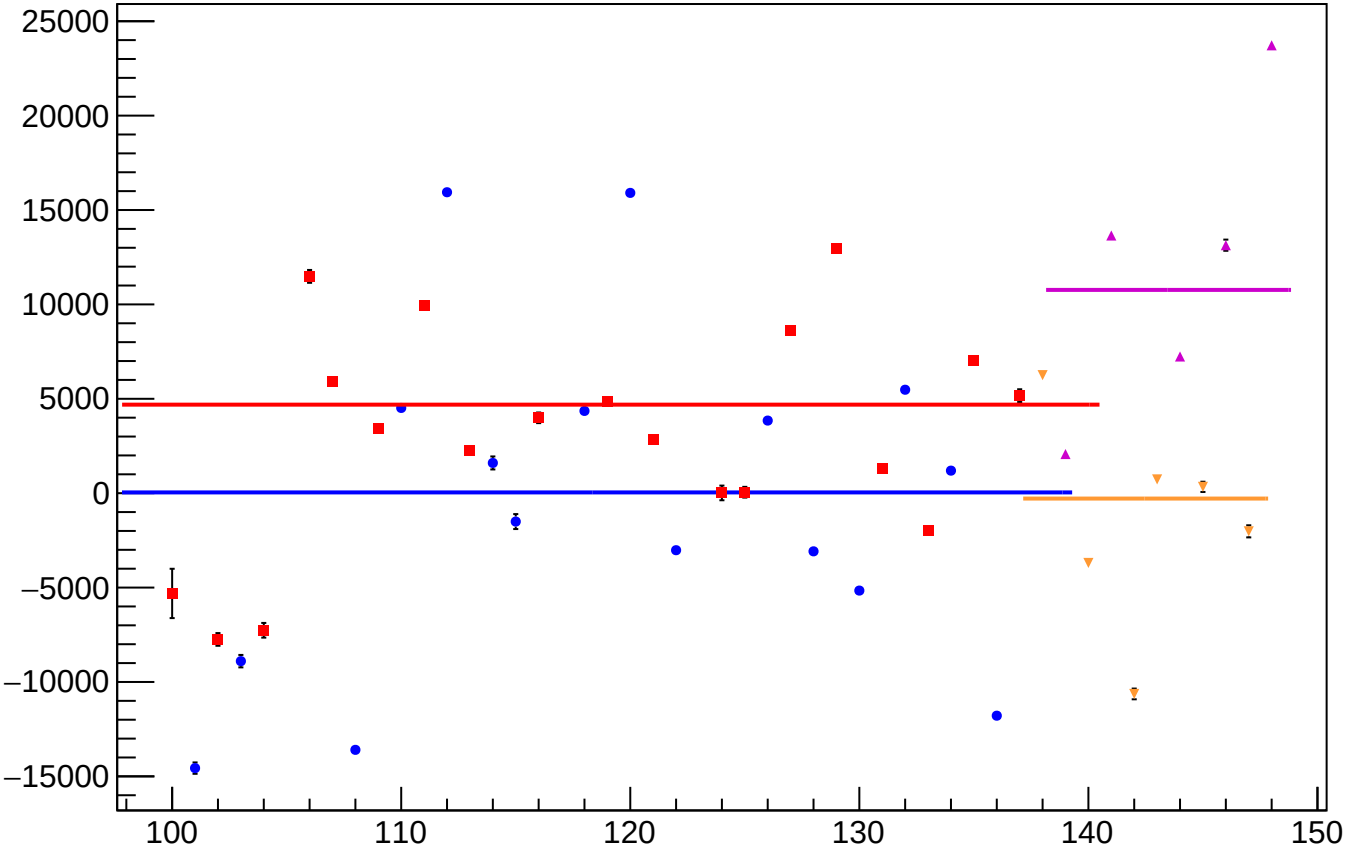
Left In: 298.141+/-0.104 χ^2/NDF:446059.8/4

+ sign 328.494+/-0.070 χ^2/NDF: 1344363.0/21

All: 325.114+/-0.049 χ^2/NDF: 2743820.3/45

- sign 321.887+/-0.069 χ^2/NDF: 1394946.4/23

asym_bpm0i02WS_mean vs Slug



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

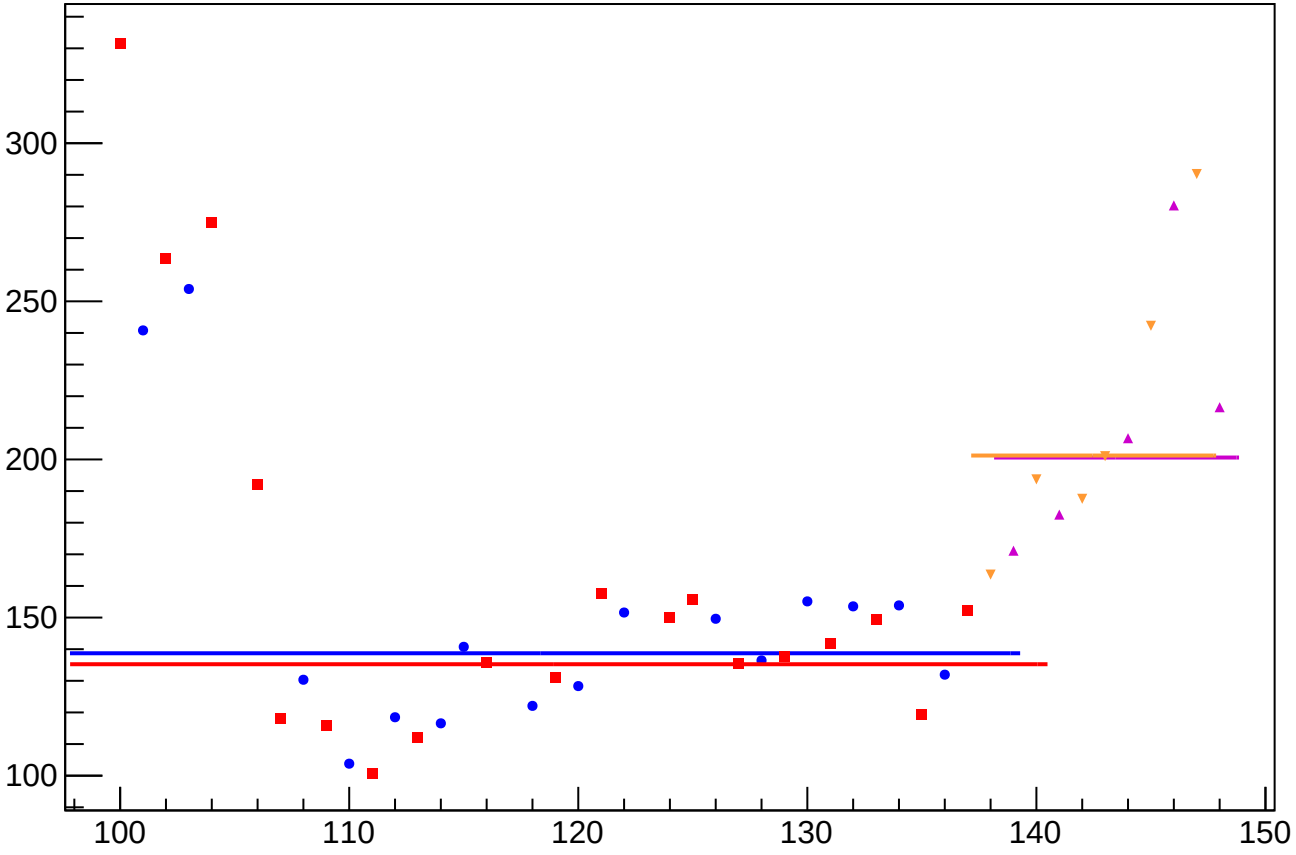
Left In: 10768.103+/-98.547 χ^2/NDF:5431.9/4

+ sign -36.133+/-47.353 χ^2/NDF: 33654.7/21

All: 3074.670+/-33.016 χ^2/NDF: 58253.7/45

- sign 6017.328+/-46.056 χ^2/NDF: 16201.0/23

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

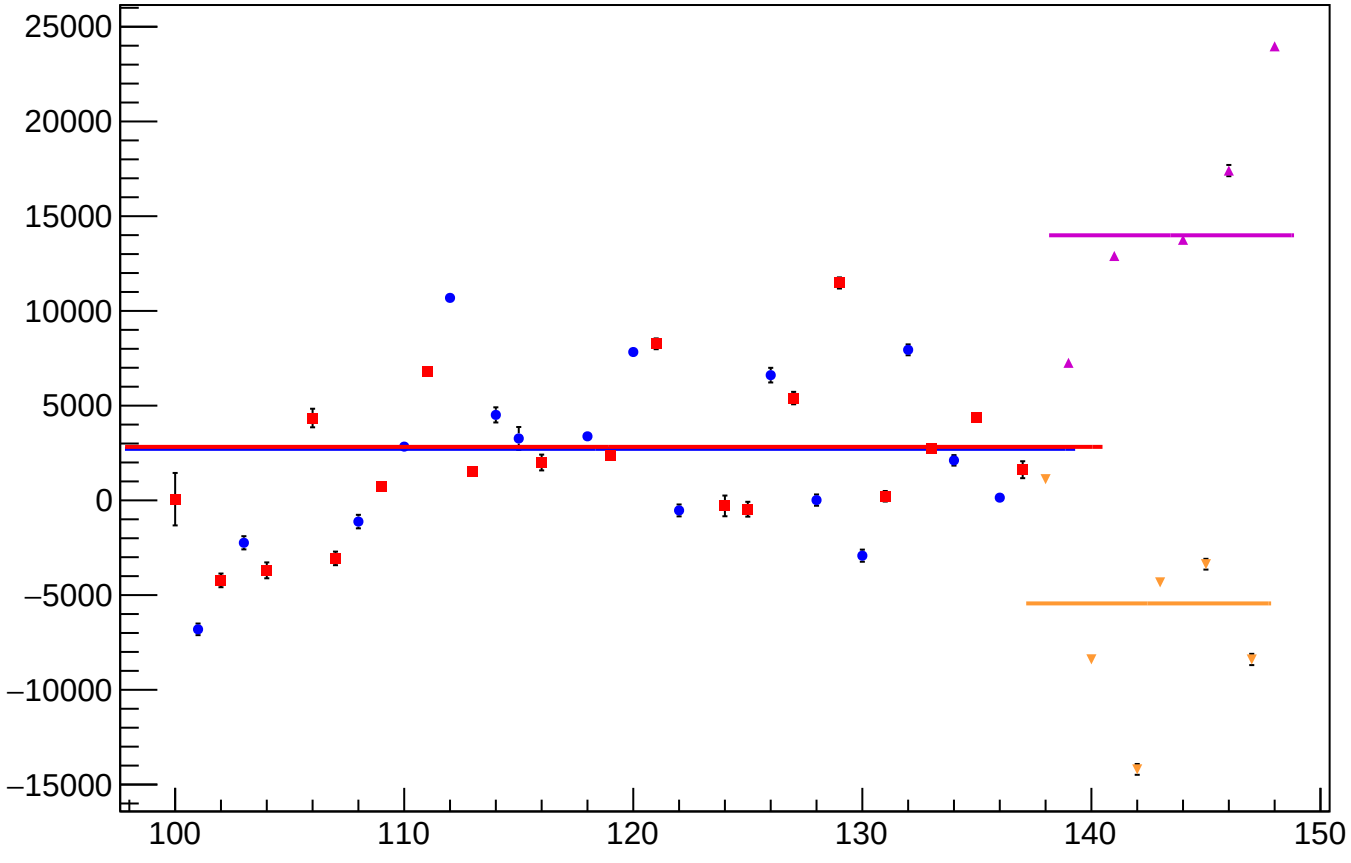
Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

+ sign 153.509+/-0.033 χ^2/NDF: 1576560.4/21

All: 151.459+/-0.023 χ^2/NDF: 3381885.5/45

- sign 149.521+/-0.033 χ^2/NDF: 1798034.8/23

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

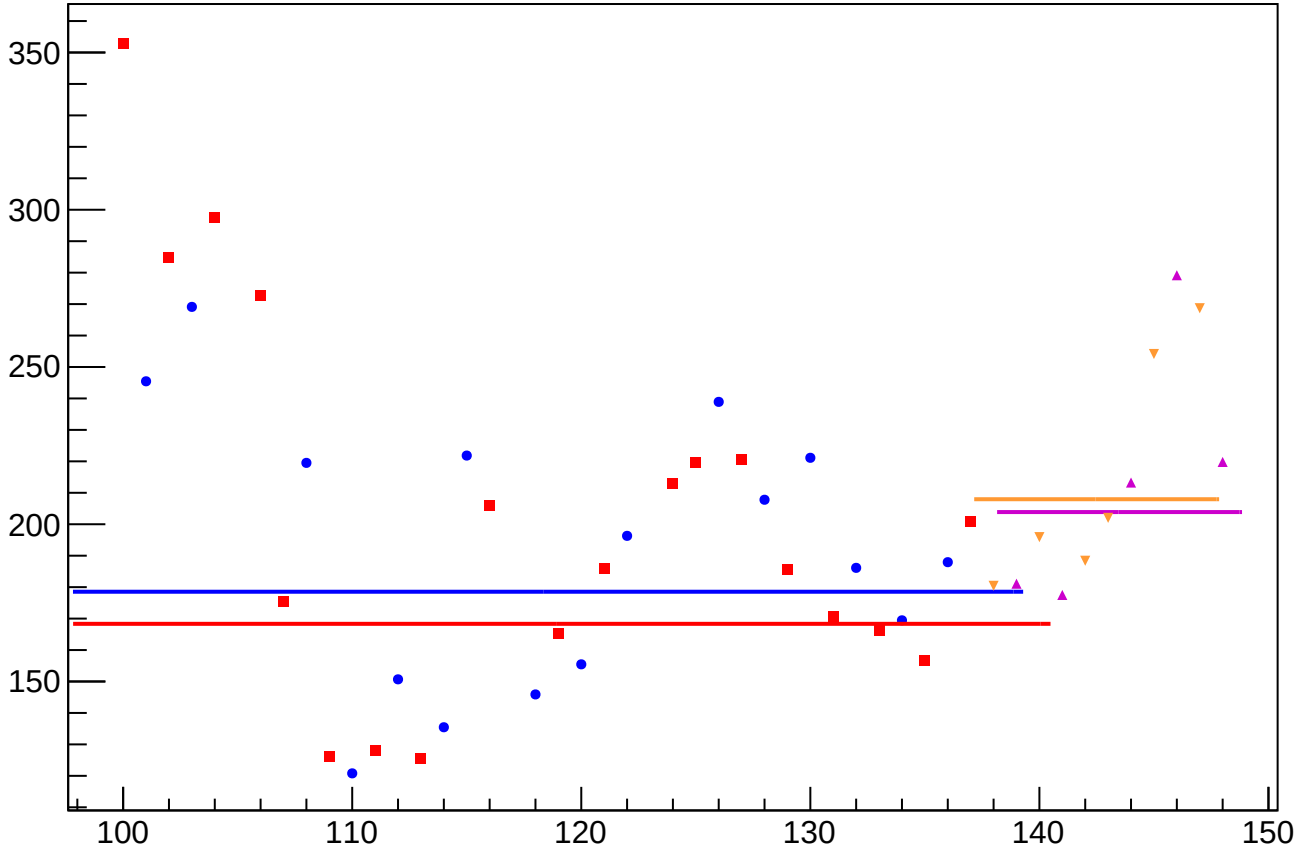
Left In: 13991.705+/-99.732 χ^2/NDF:2957.4/4

+ sign 73.902+/-56.922 χ^2/NDF: 10949.7/21

All: 3247.428+/-39.316 χ^2/NDF: 31726.9/45

- sign 6142.456+/-54.367 χ^2/NDF: 14833.4/23

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

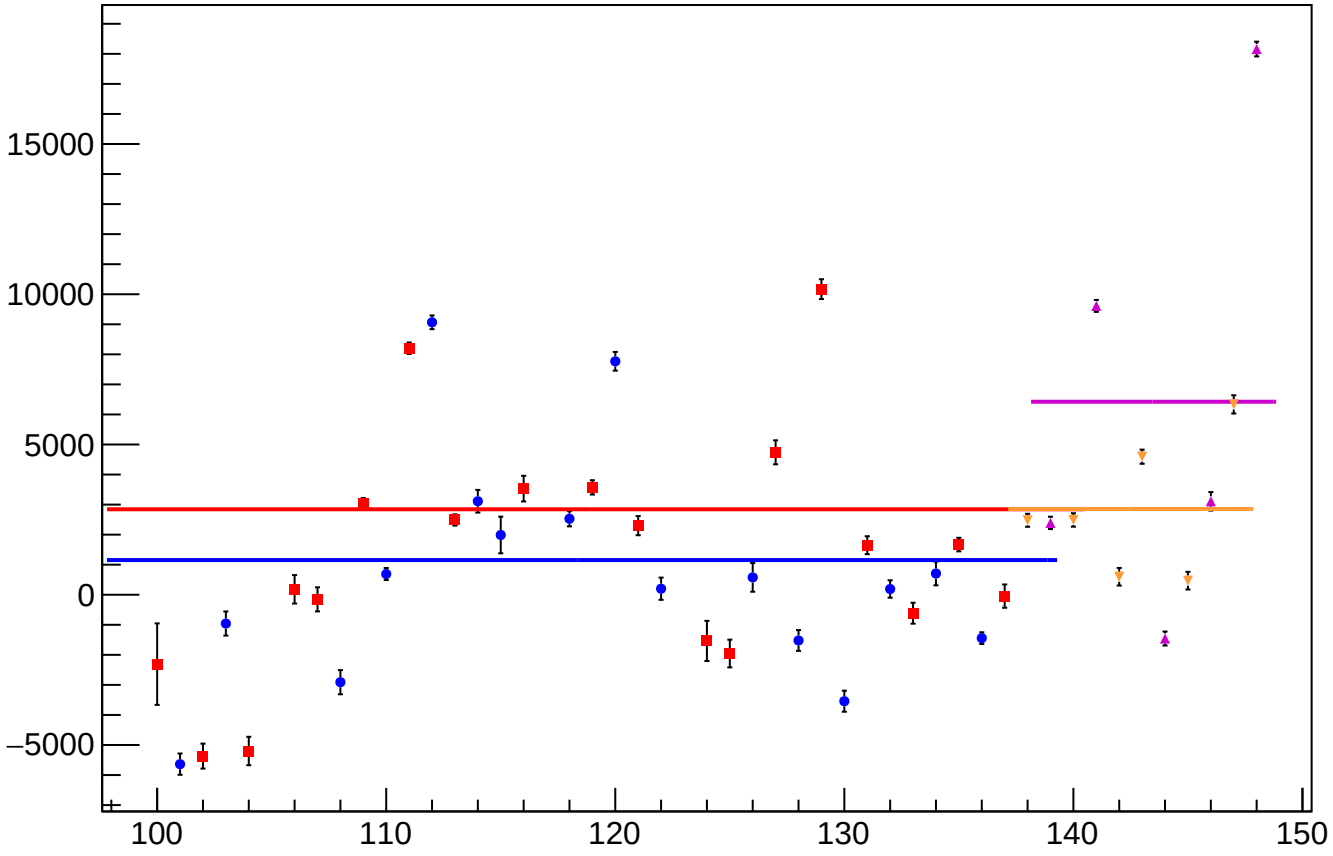
Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

+ sign 188.079+/-0.040 χ^2/NDF: 980721.0/21

All: 183.277+/-0.028 χ^2/NDF: 2371700.4/45

- sign 178.896+/-0.038 χ^2/NDF: 1363756.3/23

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

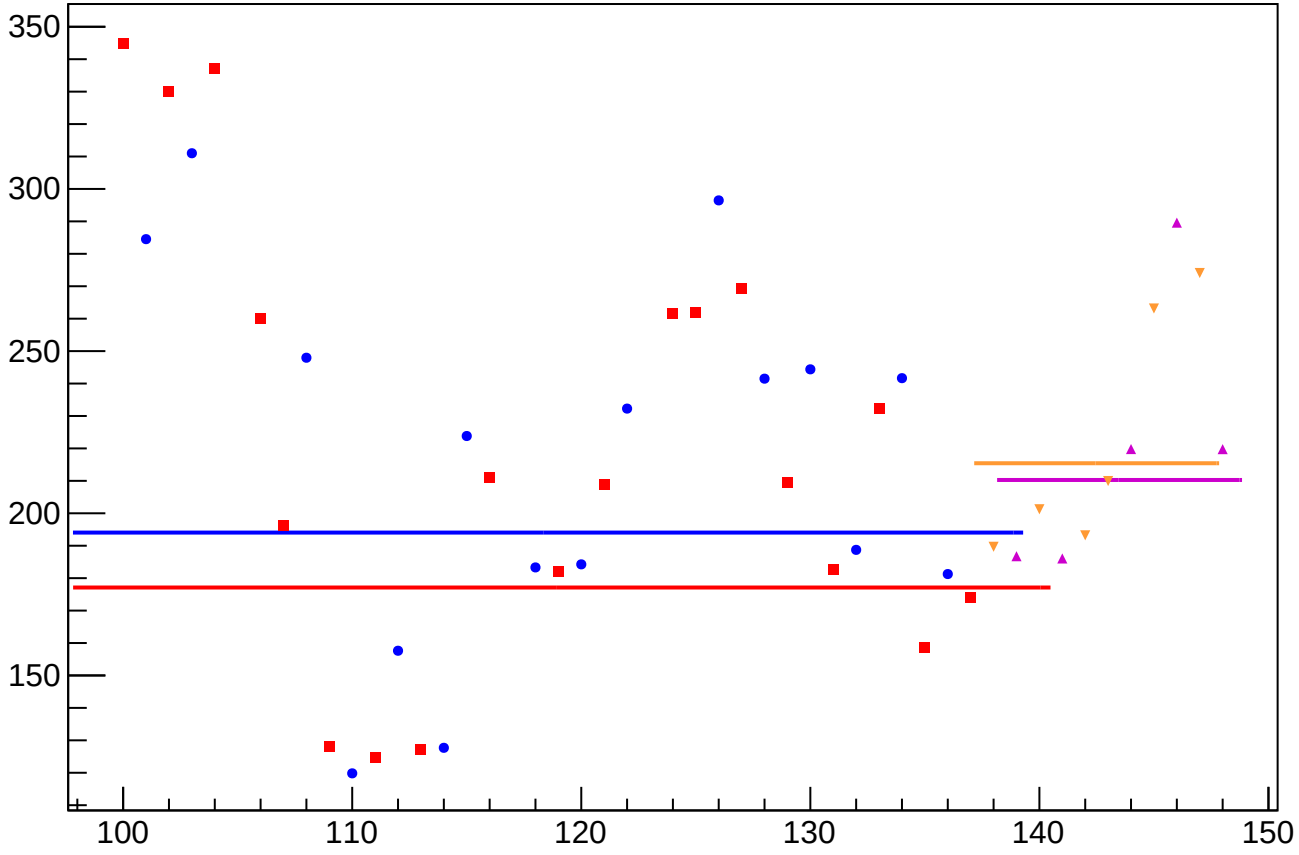
Left In: 6422.846+/-102.826 χ^2/NDF:4189.7/4

+ sign 1748.913+/-61.237 χ^2/NDF: 3147.9/21

All: 2925.398+/-41.869 χ^2/NDF: 11318.1/45

- sign 3958.185+/-57.375 χ^2/NDF: 7477.1/23

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

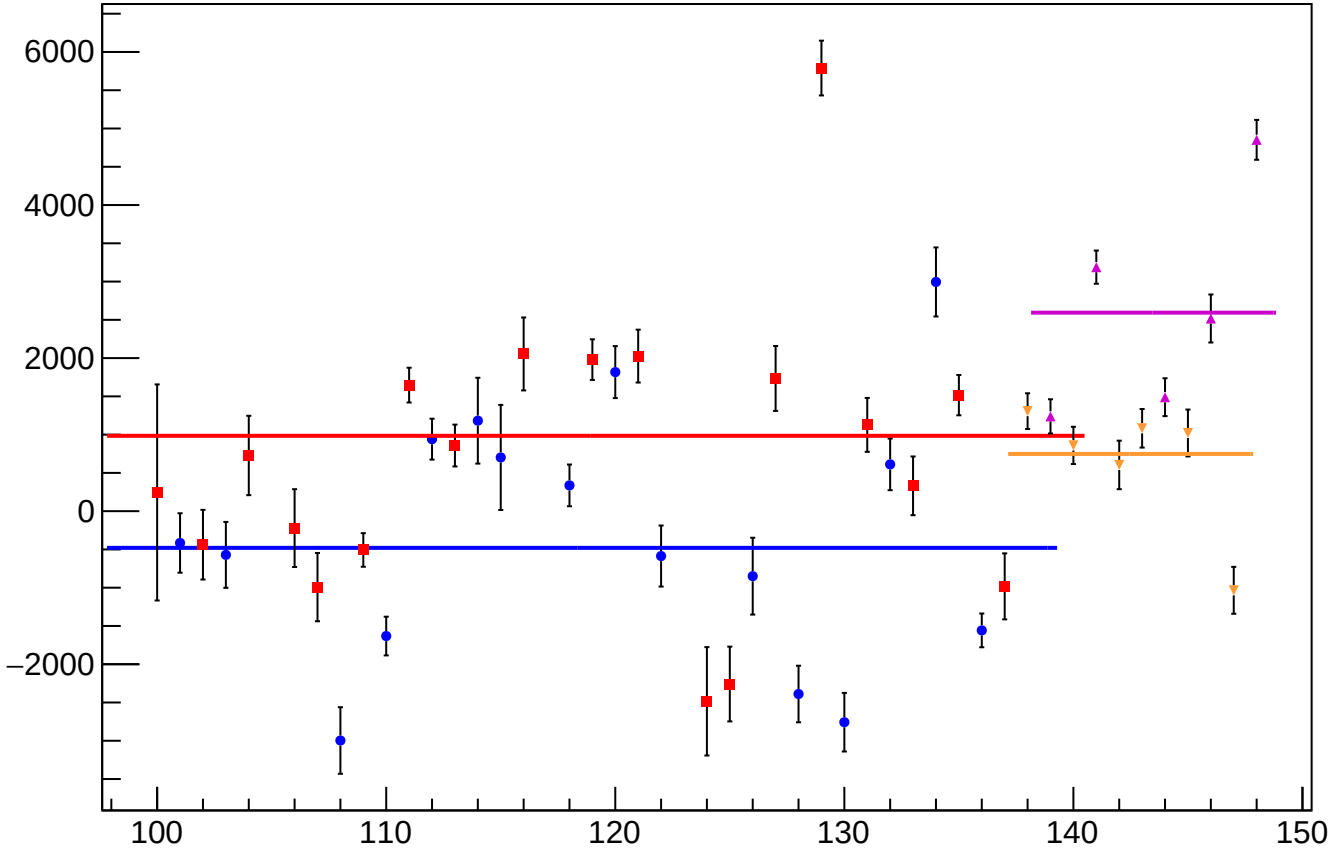
Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

+ sign 201.536+/-0.043 χ^2/NDF: 1197655.8/21

All: 194.028+/-0.030 χ^2/NDF: 2951472.7/45

- sign 187.438+/-0.041 χ^2/NDF: 1697367.8/23

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

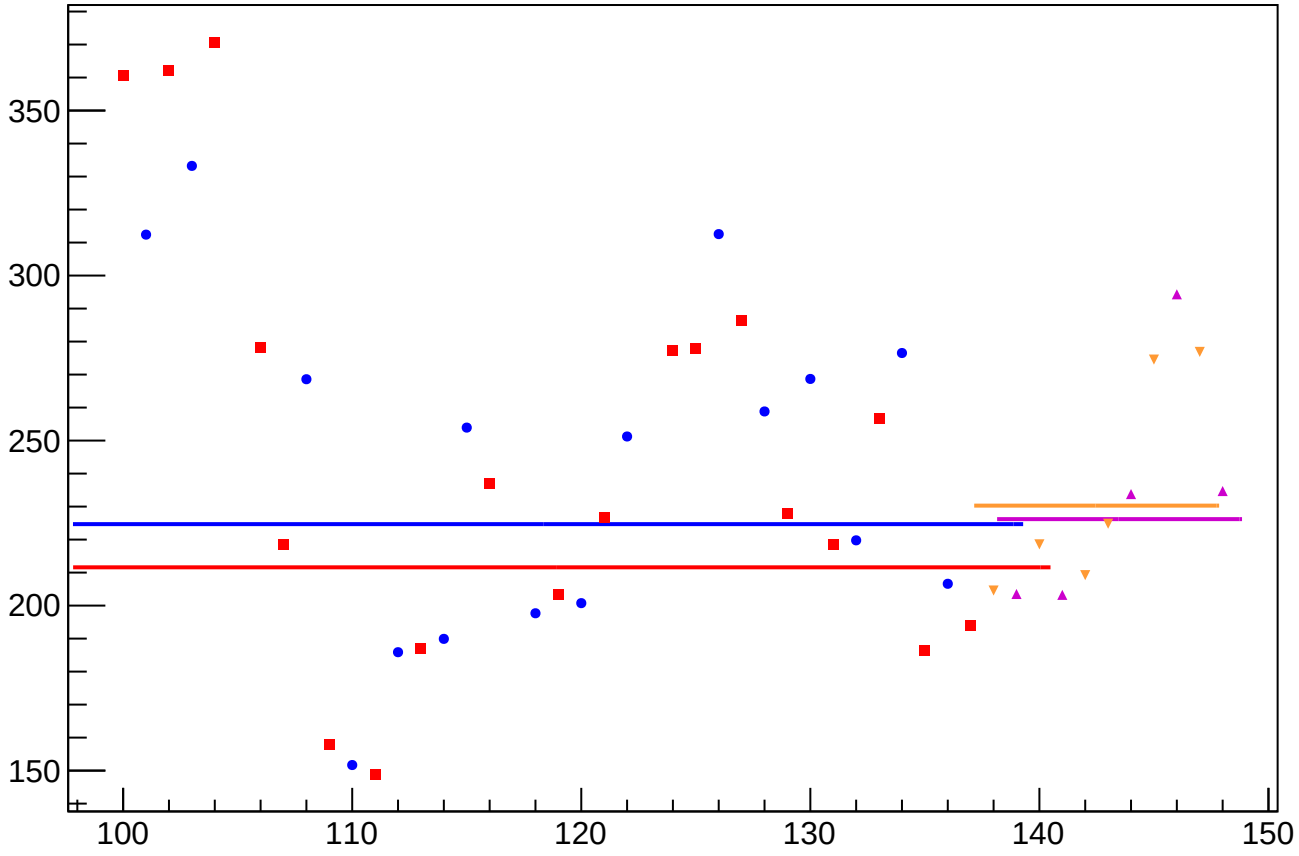
Left In: 2593.760+/-110.113 χ^2/NDF:139.3/4

+ sign -10.336+/-68.133 χ^2/NDF: 424.6/21

All: 803.409+/-47.113 χ^2/NDF: 1374.1/45

- sign 1549.050+/-65.219 χ^2/NDF: 676.1/23

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

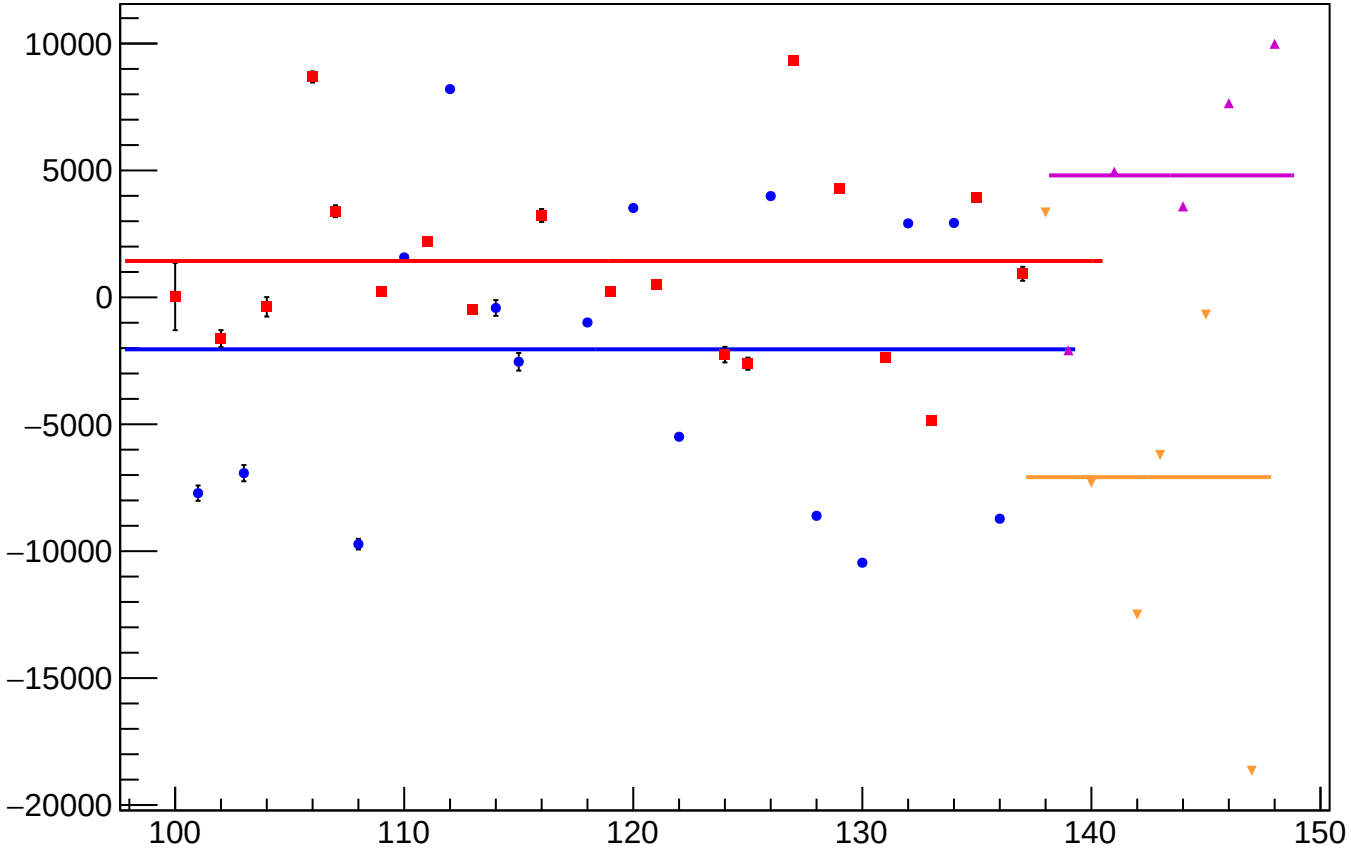
Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

+ sign 226.826+/-0.048 χ^2/NDF: 783150.4/21

All: 221.552+/-0.033 χ^2/NDF: 1903111.6/45

- sign 216.719+/-0.046 χ^2/NDF: 1096991.4/23

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

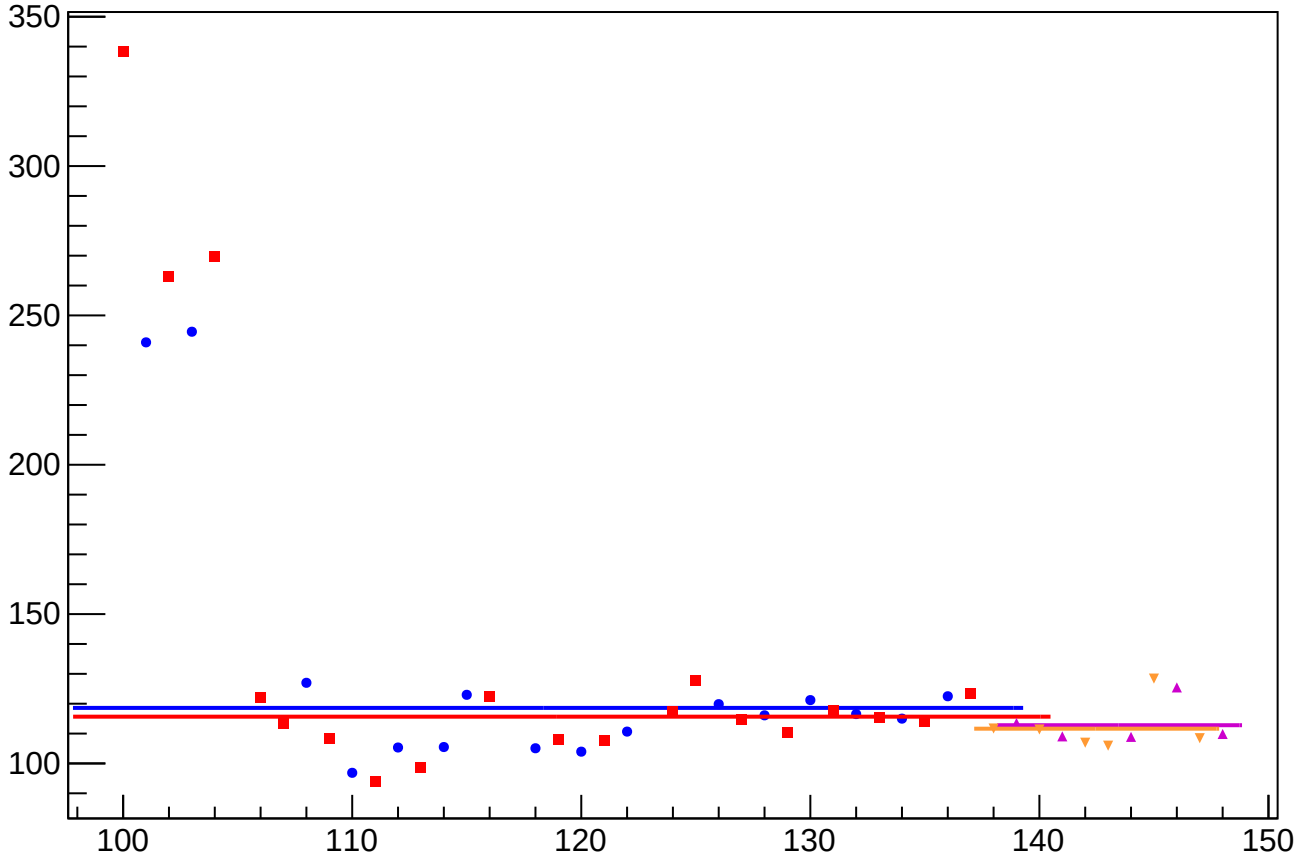
Left In: 4805.199+/-54.954 χ^2/NDF:5341.9/4

+ sign -4213.455+/-35.265 χ^2/NDF: 40641.4/21

All: -660.931+/-24.730 χ^2/NDF: 74604.4/45

- sign 2776.749+/-34.690 χ^2/NDF: 13994.8/23

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

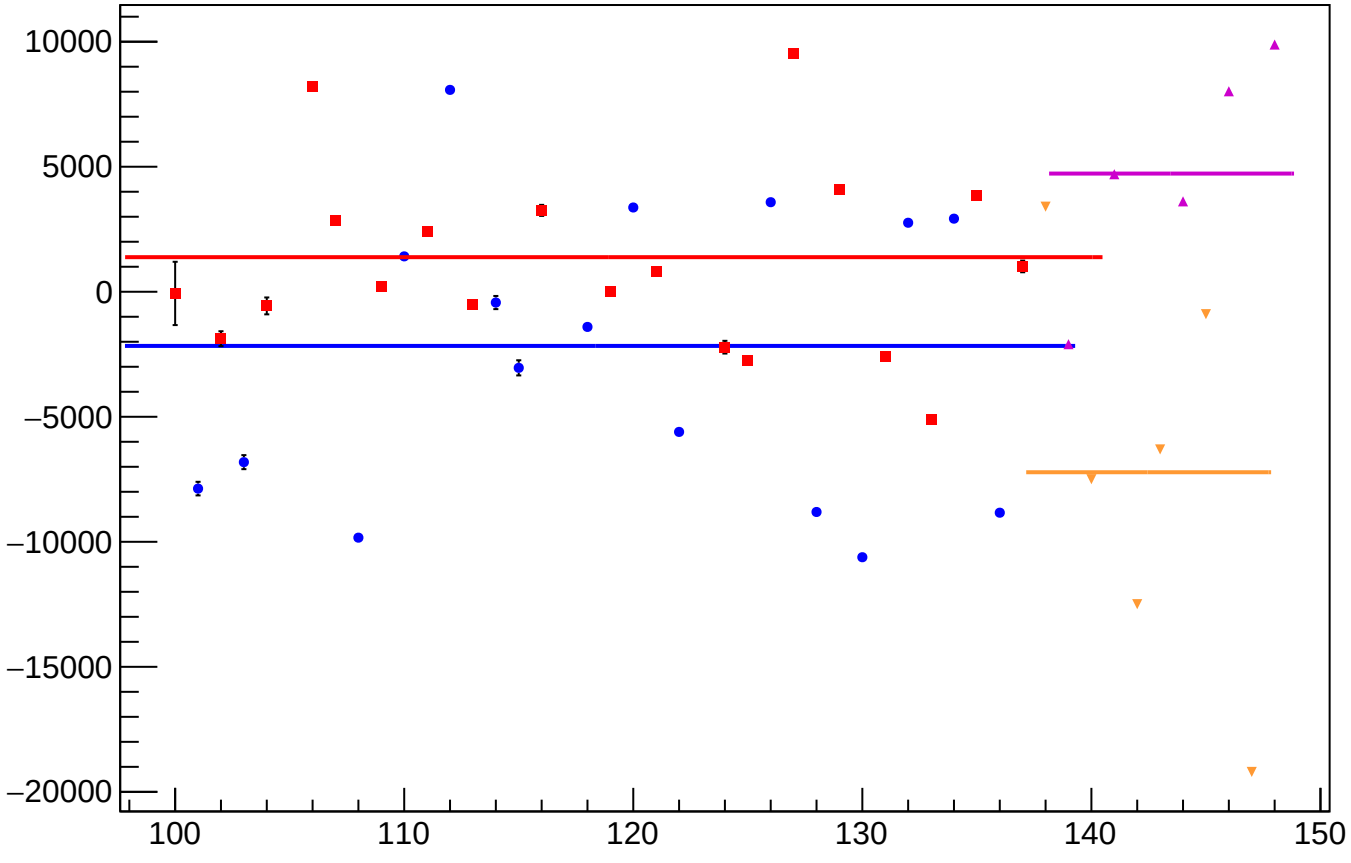
Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

+ sign 115.601+/-0.025 χ^2/NDF: 787537.2/21

All: 115.051+/-0.017 χ^2/NDF: 1679305.8/45

- sign 114.520+/-0.025 χ^2/NDF: 890813.4/23

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

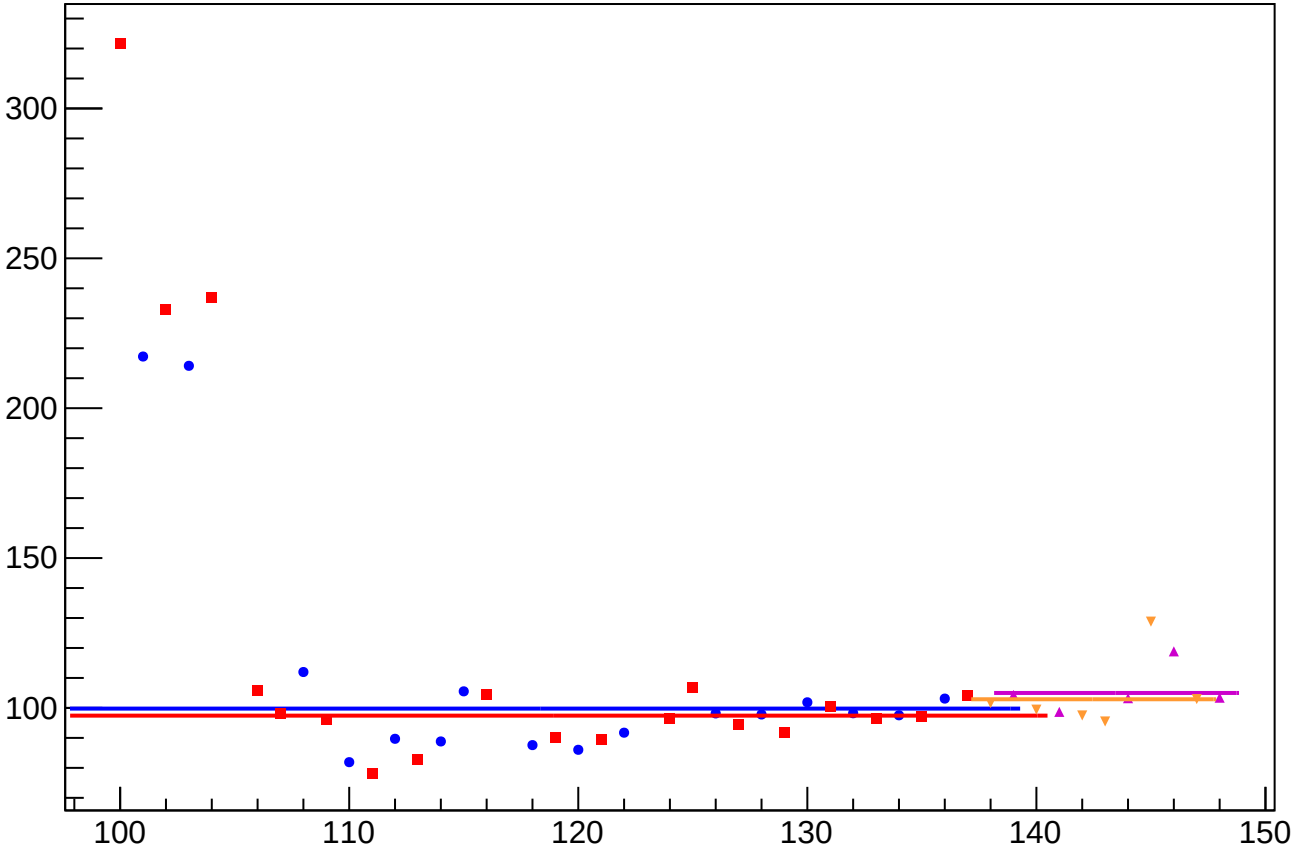
Left In: 4726.446+/-51.242 χ^2/NDF:6226.2/4

+ sign -4126.594+/-31.002 χ^2/NDF: 51615.6/21

All: -725.635+/-21.746 χ^2/NDF: 93429.0/45

- sign 2568.383+/-30.510 χ^2/NDF: 18122.6/23

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

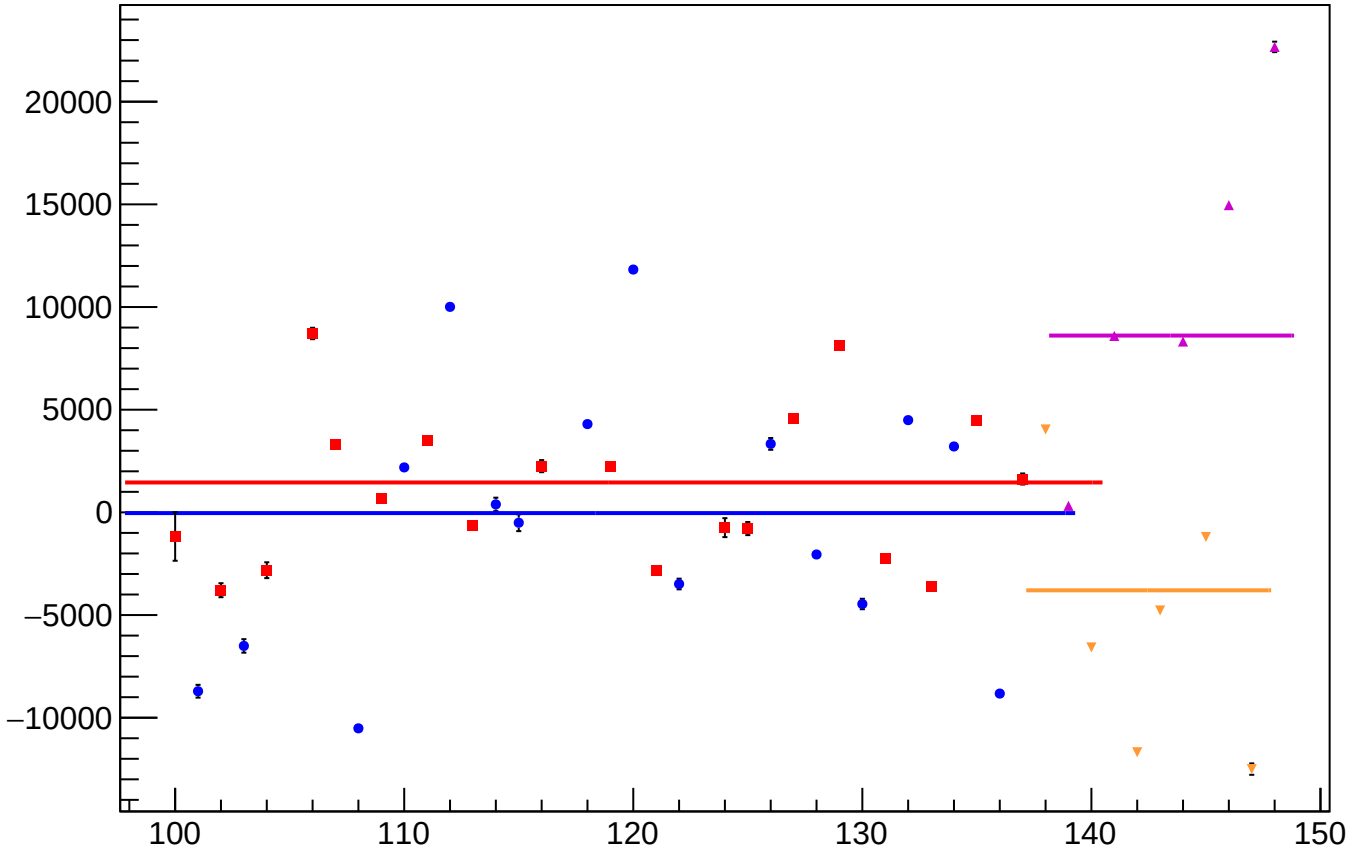
Left In: 104.991+/-0.036 χ^2/NDF:31907.2/4

+ sign 100.984+/-0.022 χ^2/NDF: 891541.9/21

All: 100.539+/-0.015 χ^2/NDF: 1878433.5/45

- sign 100.109+/-0.022 χ^2/NDF: 986083.2/23

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

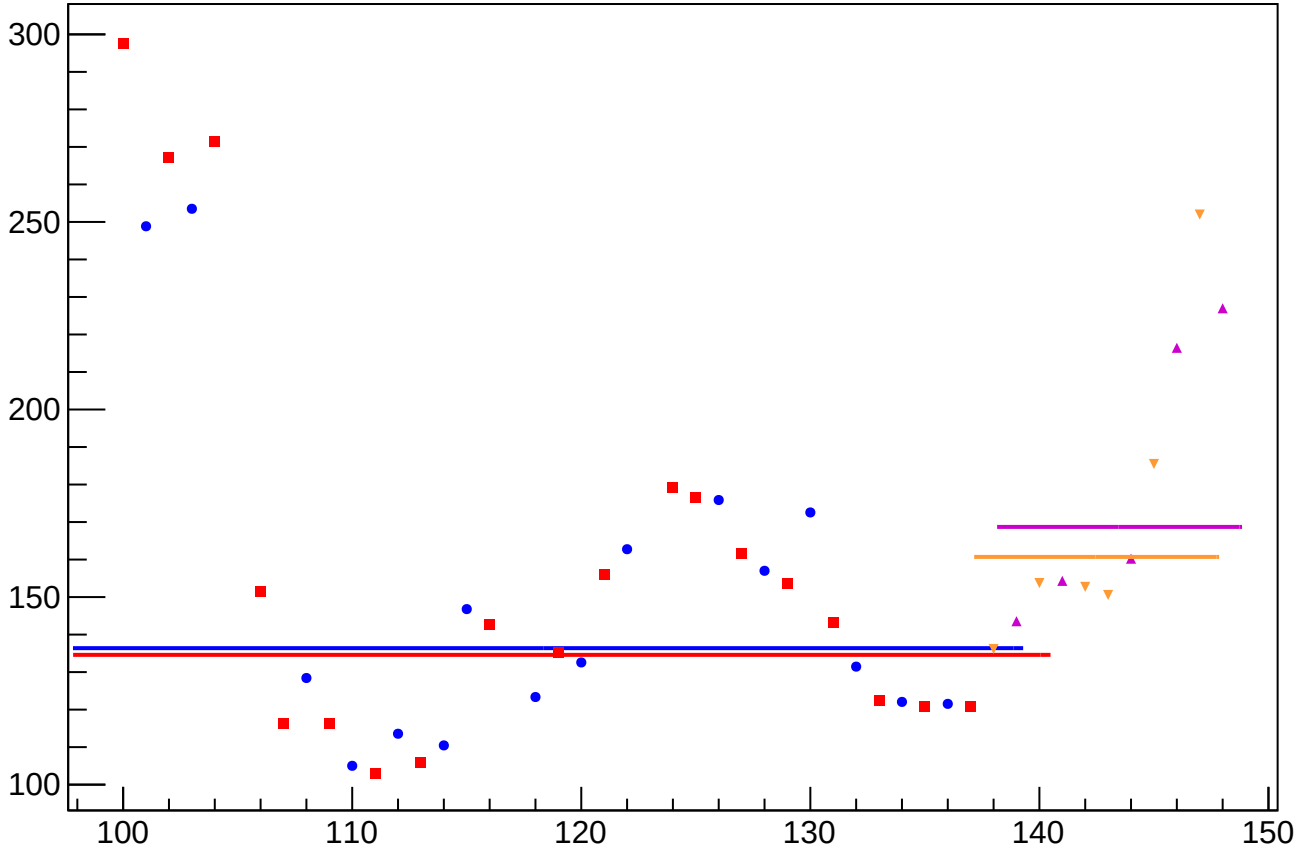
Left In: 8610.526+/-83.043 χ^2/NDF:6539.1/4

+ sign -1236.945+/-44.100 χ^2/NDF: 23512.4/21

All: 1119.033+/-31.162 χ^2/NDF: 45203.0/45

- sign 3468.607+/-44.040 χ^2/NDF: 15990.1/23

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

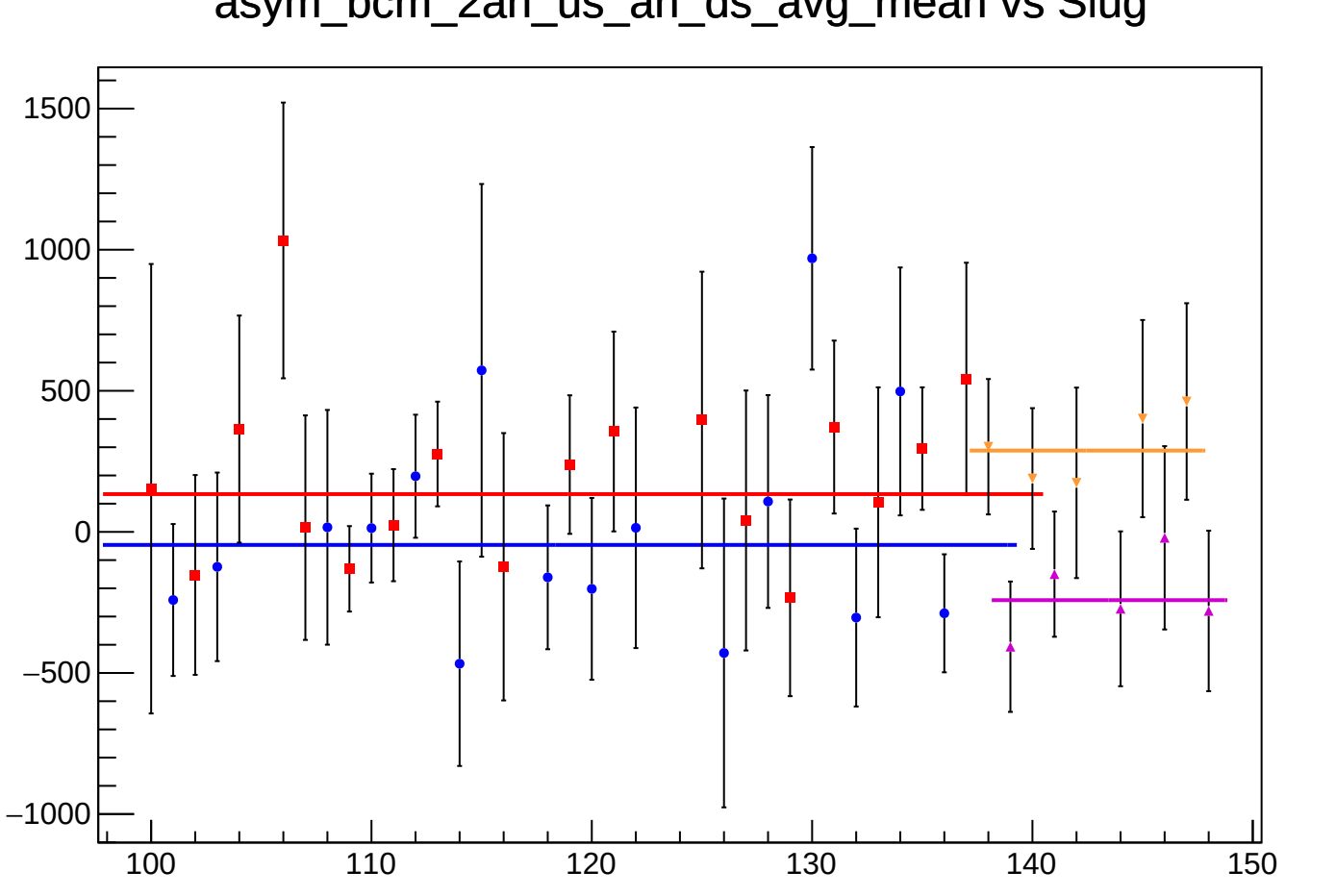
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 168.706+/-0.059 χ^2/NDF:261868.9/4

+ sign 144.158+/-0.031 χ^2/NDF: 1235910.0/21

All: 144.174+/-0.022 χ^2/NDF: 2659874.9/45

- sign 144.191+/-0.031 χ^2/NDF: 1423964.3/23



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

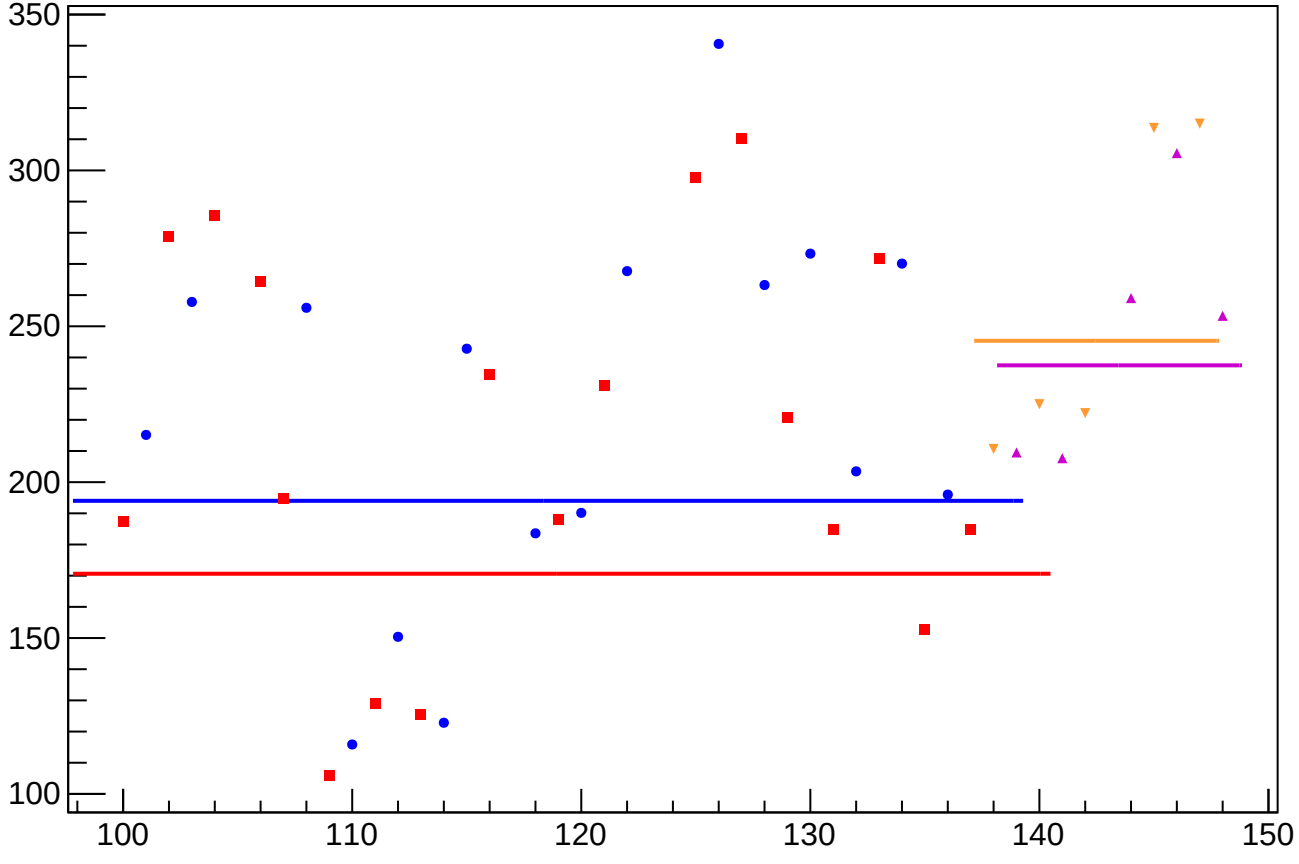
Left In: -241.989+/-116.099 χ^2/NDF:1.2/4

\+ sign 38.901+/-65.865 χ^2/NDF: 21.0/20

All: 37.860+/-43.922 χ^2/NDF: 42.8/43

\- sign 37.027+/-58.941 χ^2/NDF: 21.8/22

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

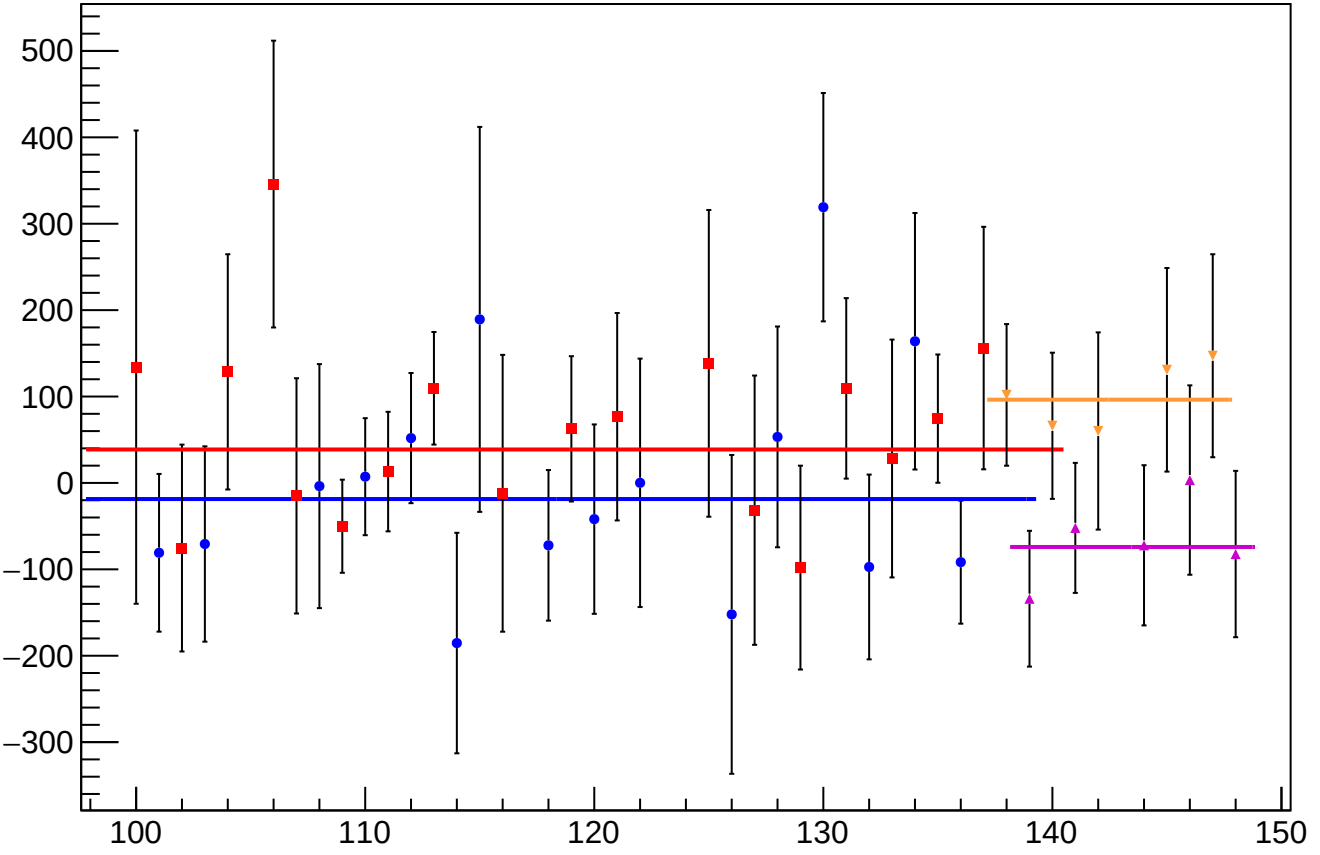
Left In: 237.475+/-0.082 χ^2/NDF:171760.2/4

+ sign 207.080+/-0.047 χ^2/NDF: 1495044.7/20

All: 196.404+/-0.031 χ^2/NDF: 3847380.1/43

- sign 187.854+/-0.042 χ^2/NDF: 2257702.2/22

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

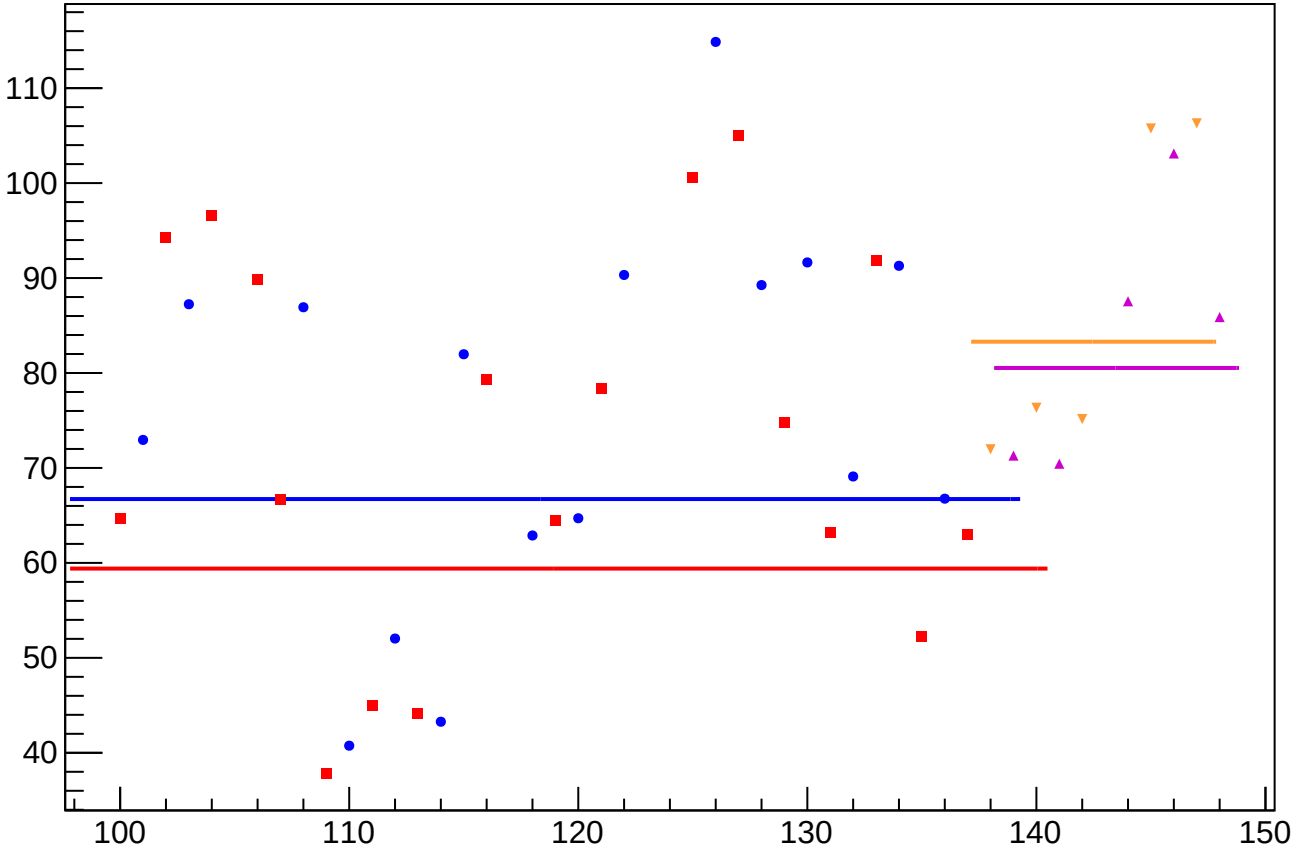
Left In: -74.126+/-39.344 χ^2/NDF:1.2/4

\+ sign 11.038+/-22.500 χ^2/NDF: 20.7/20

All: 9.781+/-15.060 χ^2/NDF: 40.6/43

\- sign 8.761+/-20.271 χ^2/NDF: 19.8/22

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

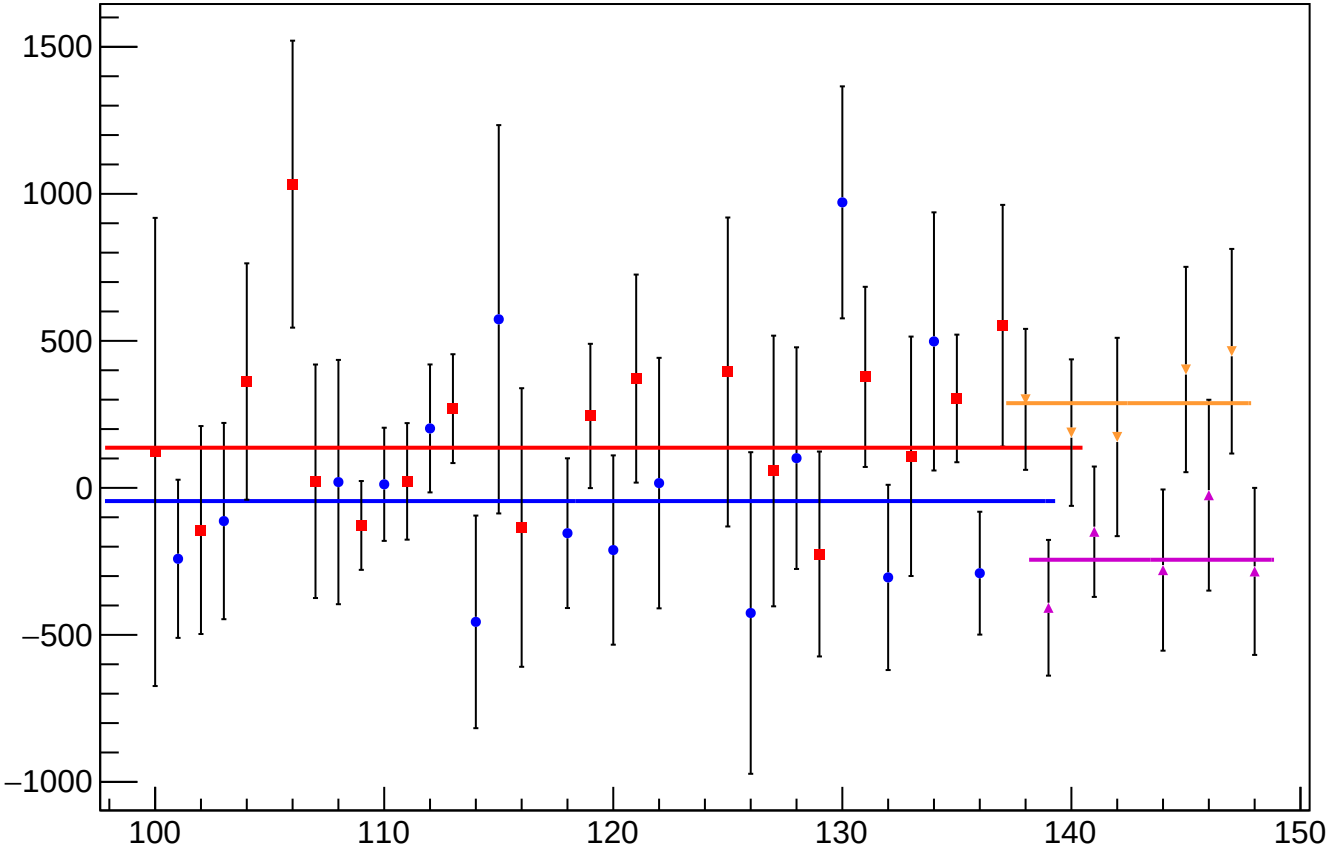
Left In: 80.530+/-0.028 χ^2/NDF:166161.0/4

+ sign 71.002+/-0.016 χ^2/NDF: 1366003.8/20

All: 67.694+/-0.011 χ^2/NDF: 3479546.5/43

- sign 65.009+/-0.014 χ^2/NDF: 2035237.0/22

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

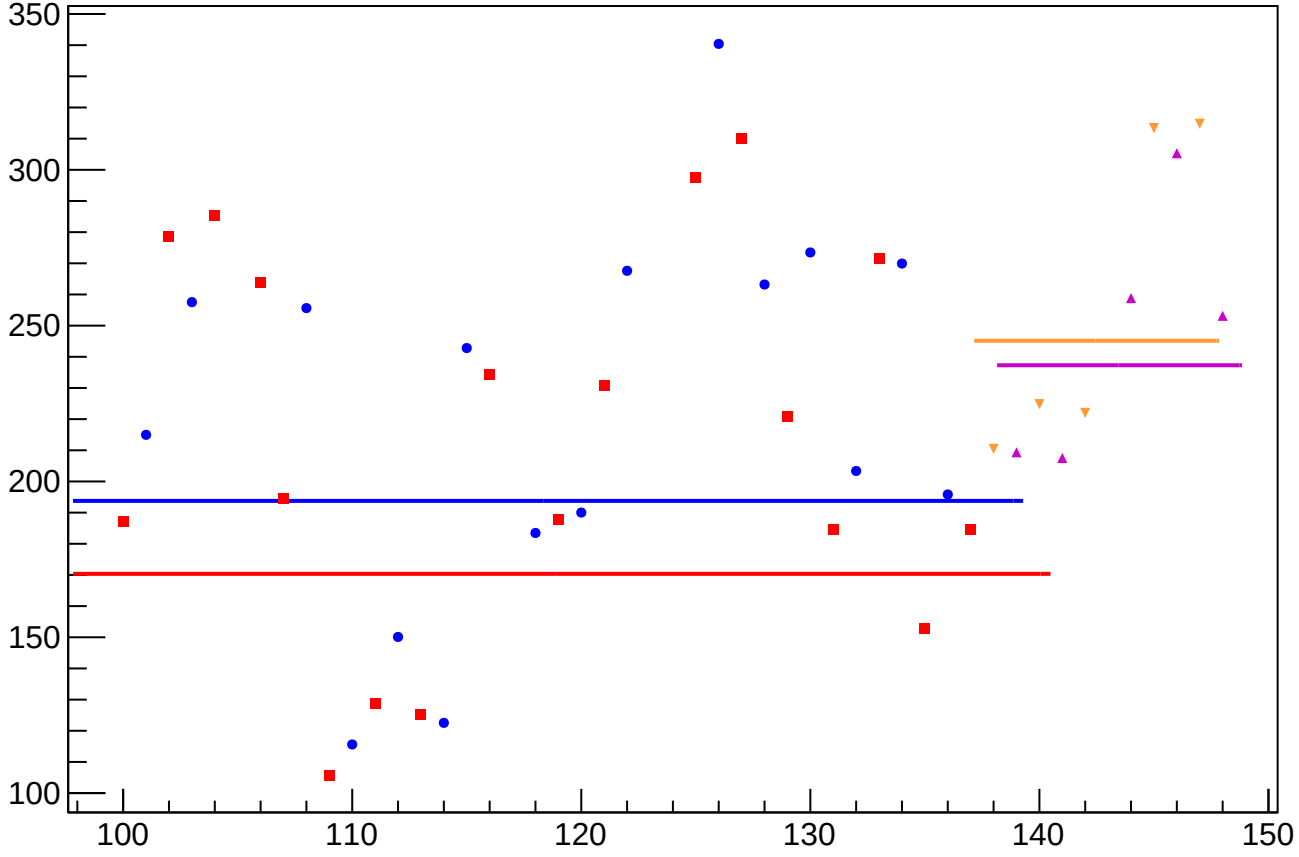
Left In: -244.472+/-116.010 χ^2/NDF:1.2/4

+ sign 39.786+/-65.797 χ^2/NDF: 21.0/20

All: 39.043+/-43.873 χ^2/NDF: 43.0/43

- sign 38.449+/-58.871 χ^2/NDF: 22.0/22

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

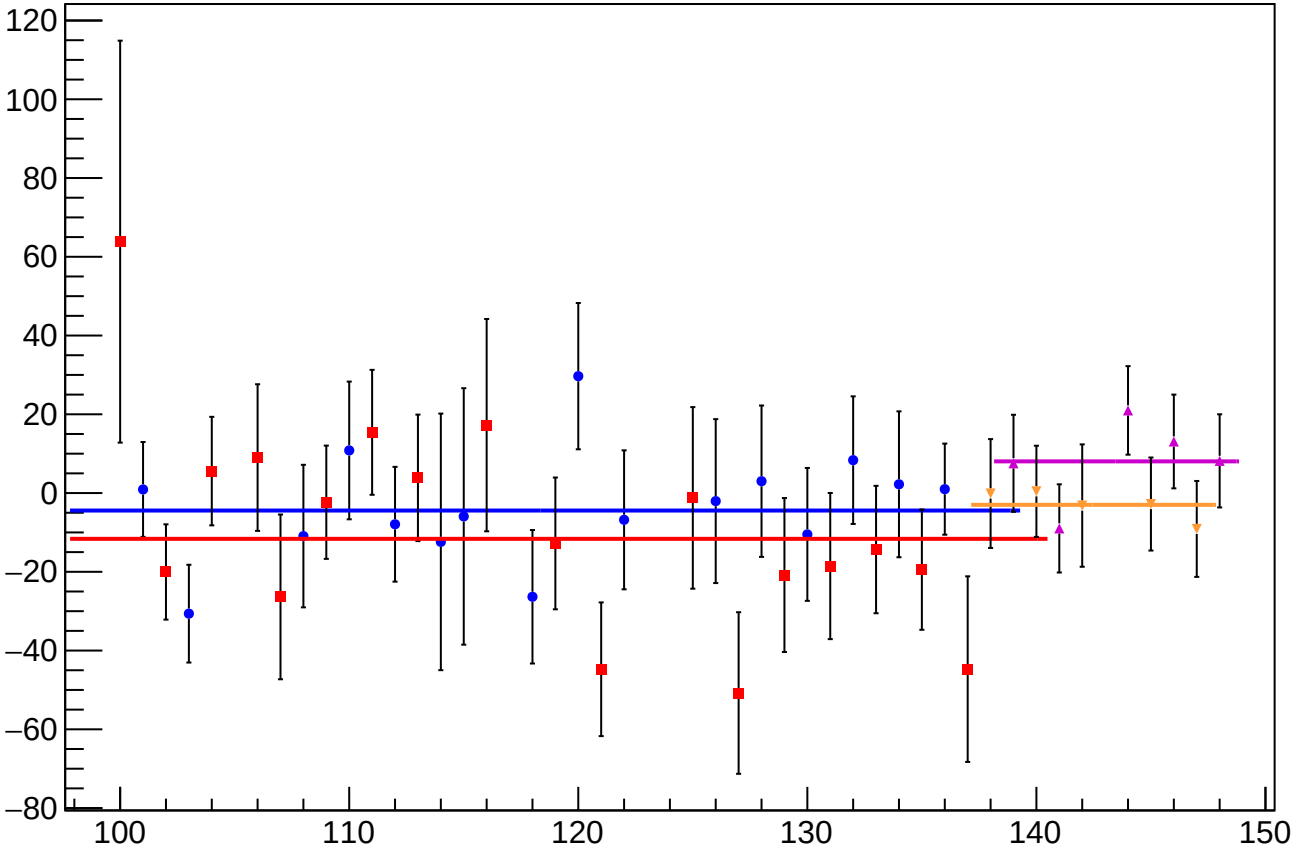
Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

+ sign 206.836+/-0.047 χ^2/NDF: 1500491.3/20

All: 196.150+/-0.031 χ^2/NDF: 3860615.8/43

- sign 187.595+/-0.042 χ^2/NDF: 2265129.1/22

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

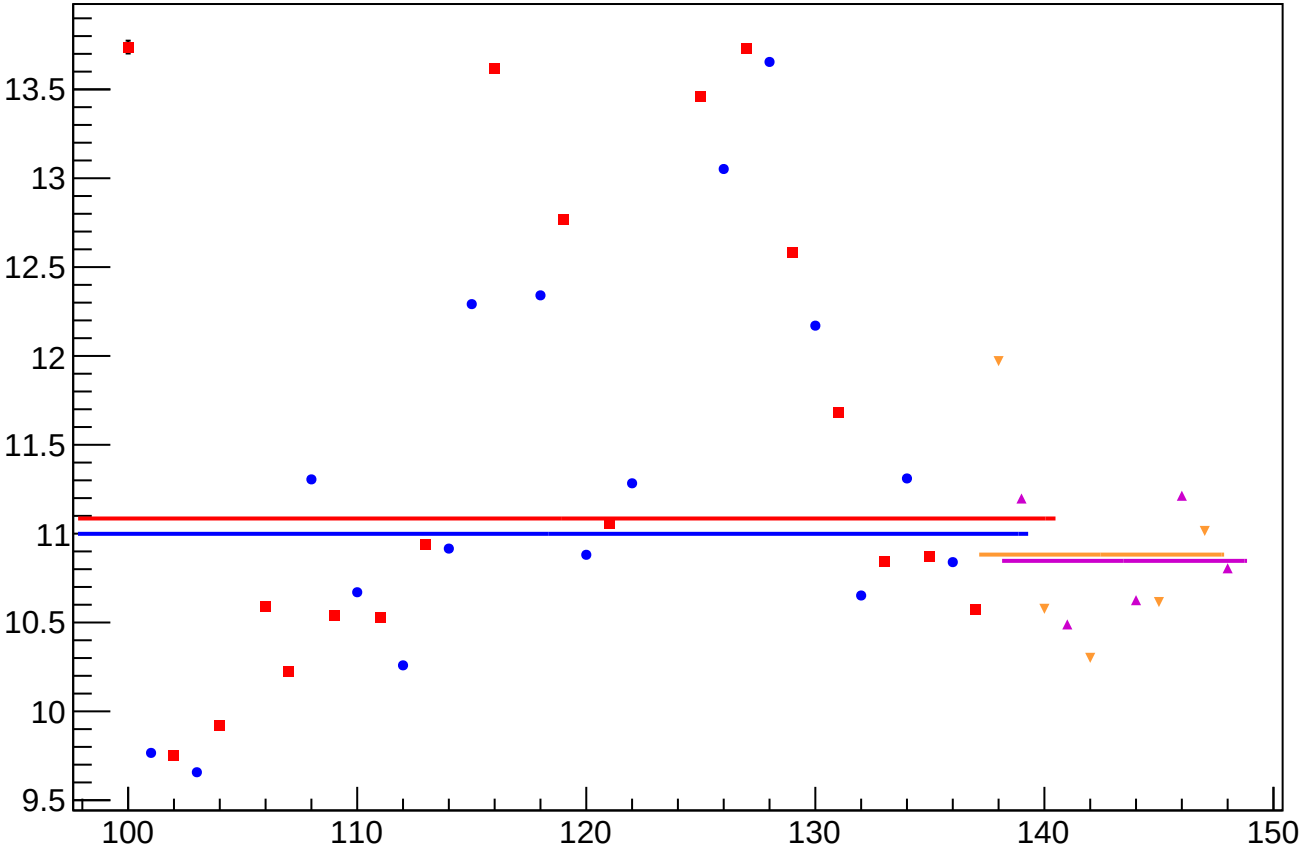
Left In: 8.046+/-5.221 χ^2/NDF:3.8/4

+ sign -3.941+/-3.345 χ^2/NDF: 12.4/20

All: -3.992+/-2.328 χ^2/NDF: 46.6/43

- sign -4.040+/-3.242 χ^2/NDF: 34.2/22

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

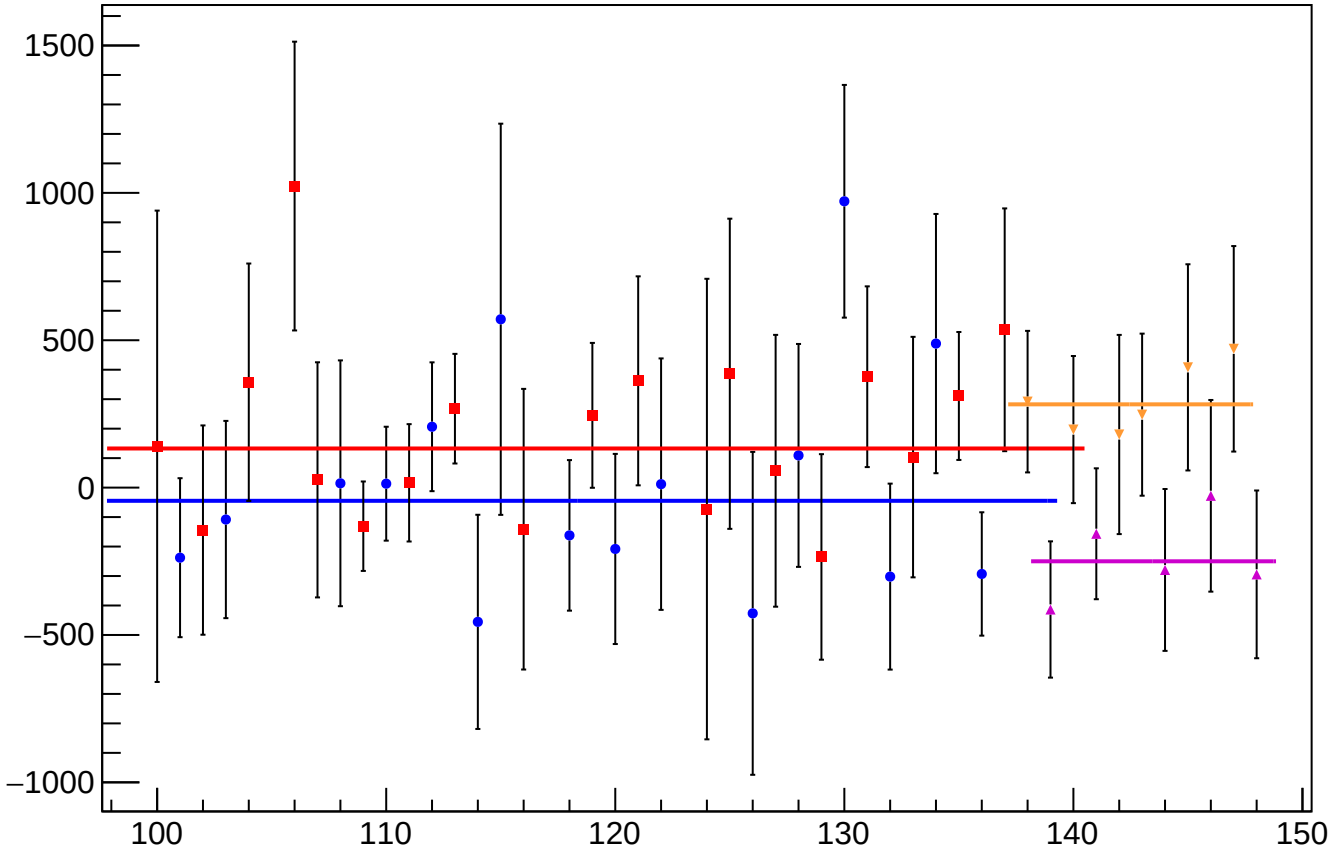
Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

+ sign 10.959+/-0.002 χ^2/NDF: 154564.8/20

All: 10.977+/-0.002 χ^2/NDF: 325799.2/43

- sign 10.993+/-0.002 χ^2/NDF: 171124.4/22

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

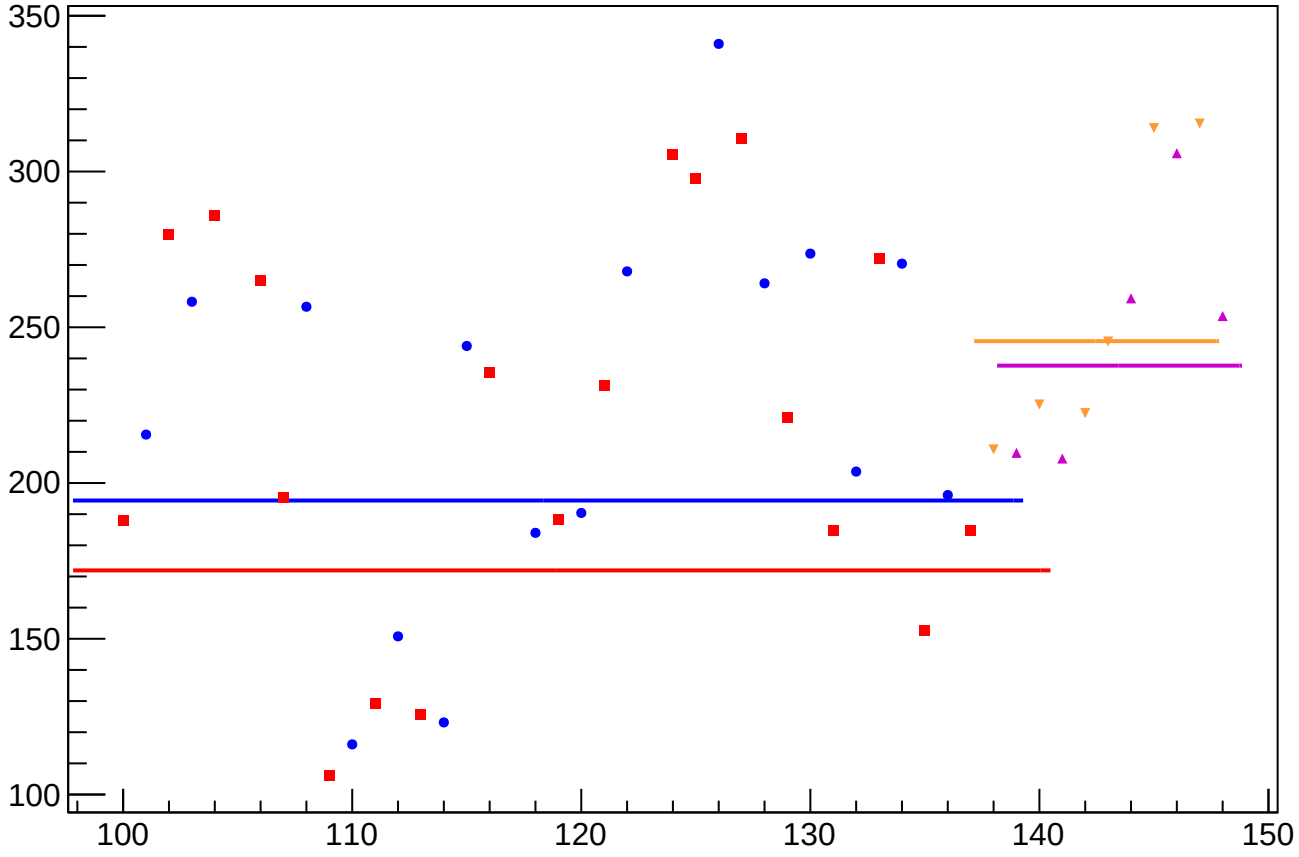
Left In: -250.023+/-116.207 χ^2/NDF:1.2/4

+ sign 51.888+/-64.151 χ^2/NDF: 21.5/21

All: 42.460+/-43.372 χ^2/NDF: 43.6/45

- sign 34.523+/-58.863 χ^2/NDF: 22.1/23

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

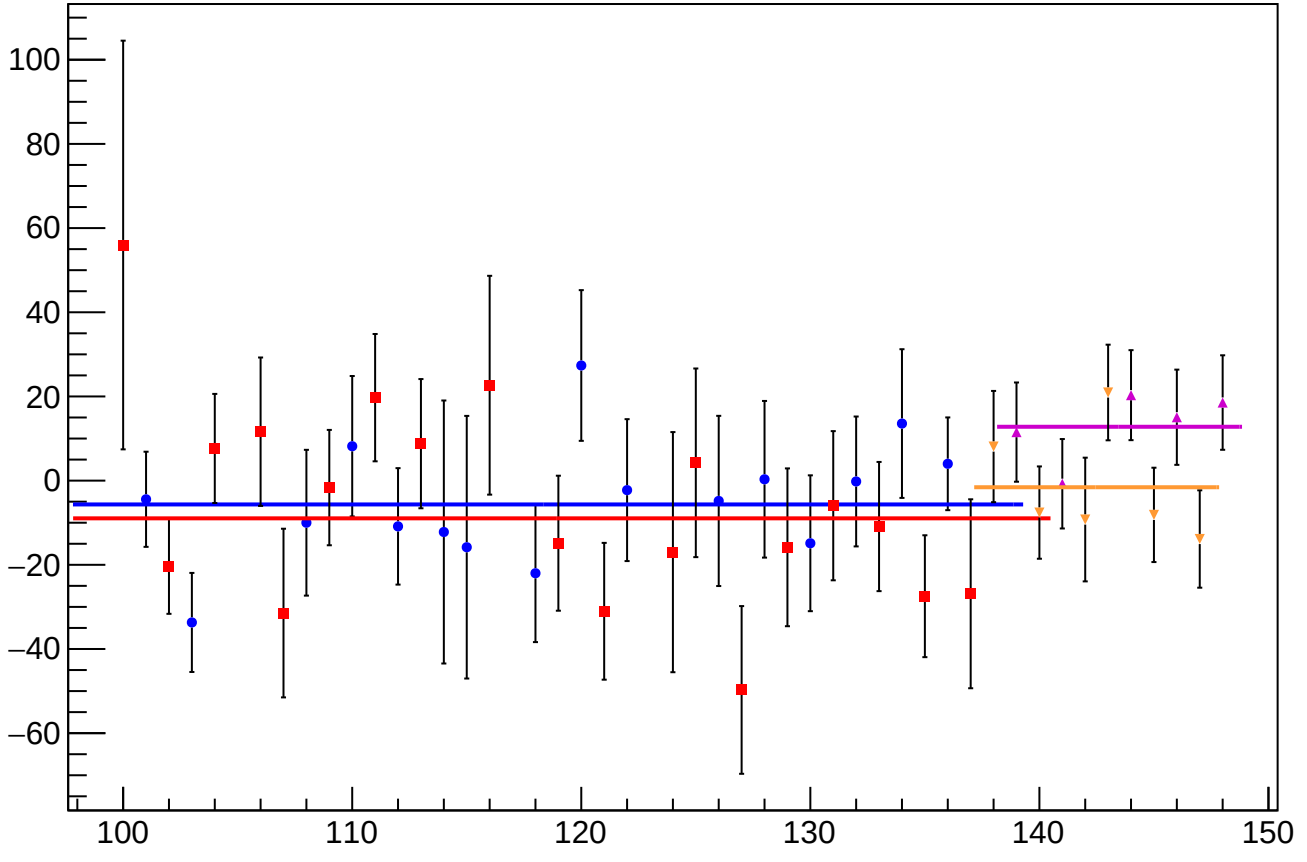
Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

+ sign 209.497+/-0.045 χ^2/NDF: 1528037.1/21

All: 198.270+/-0.031 χ^2/NDF: 3940052.0/45

- sign 188.817+/-0.042 χ^2/NDF: 2299170.7/23

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

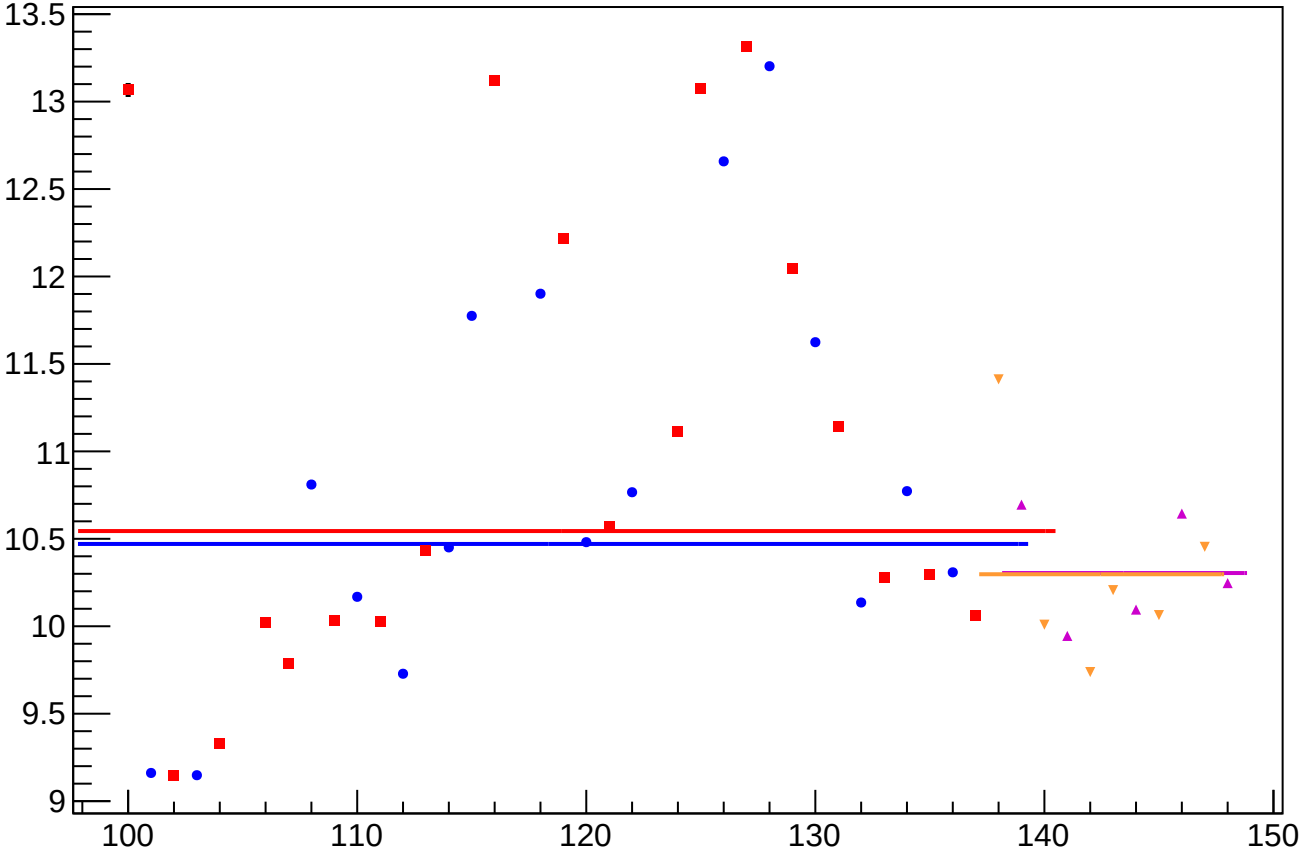
Left In: 12.798+/-4.966 χ^2/NDF:2.4/4

+ sign -4.049+/-3.067 χ^2/NDF: 20.6/21

All: -2.353+/-2.169 χ^2/NDF: 58.3/45

- sign -0.657+/-3.068 χ^2/NDF: 37.1/23

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

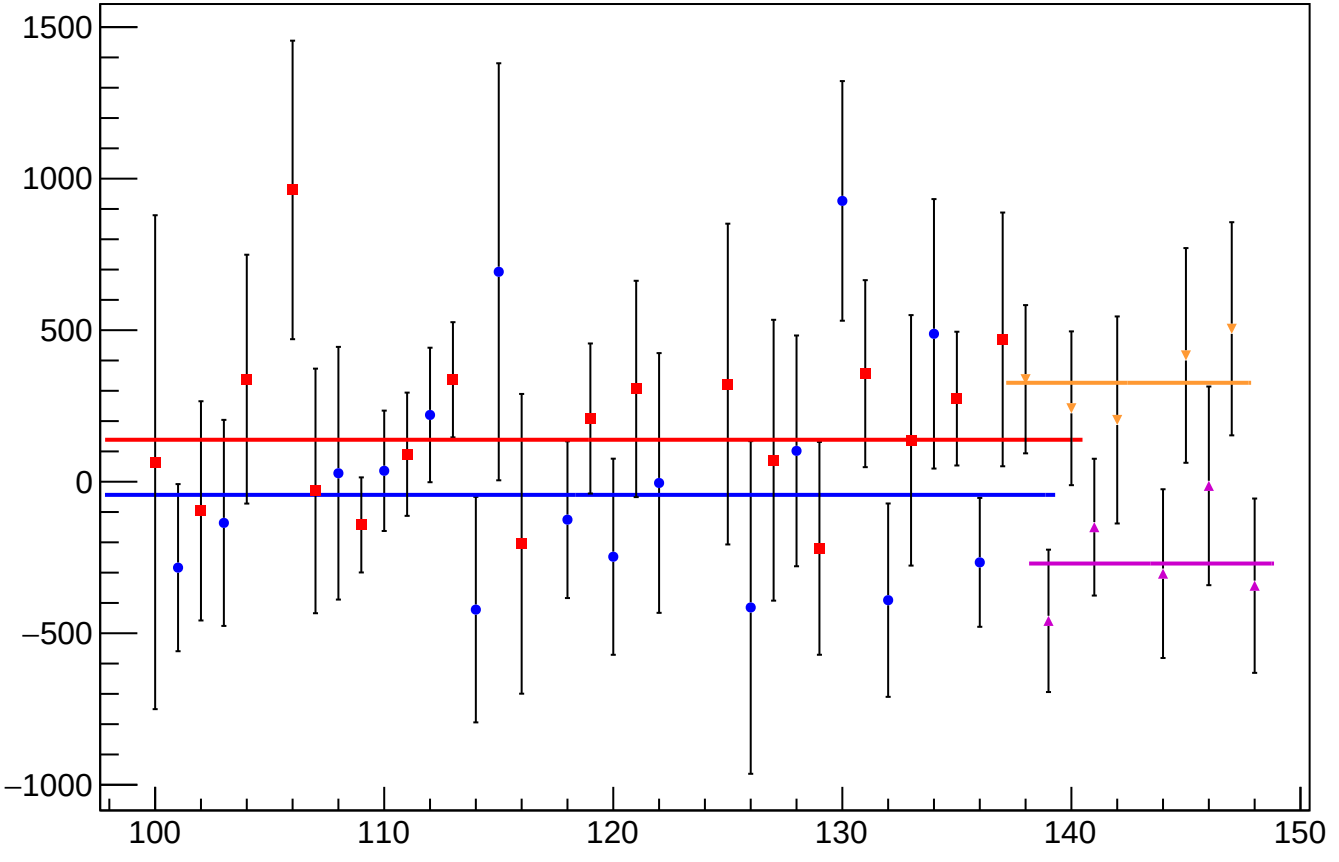
Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

+ sign 10.402+/-0.002 χ^2/NDF: 178754.2/21

All: 10.428+/-0.002 χ^2/NDF: 375807.4/45

- sign 10.453+/-0.002 χ^2/NDF: 196783.8/23

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

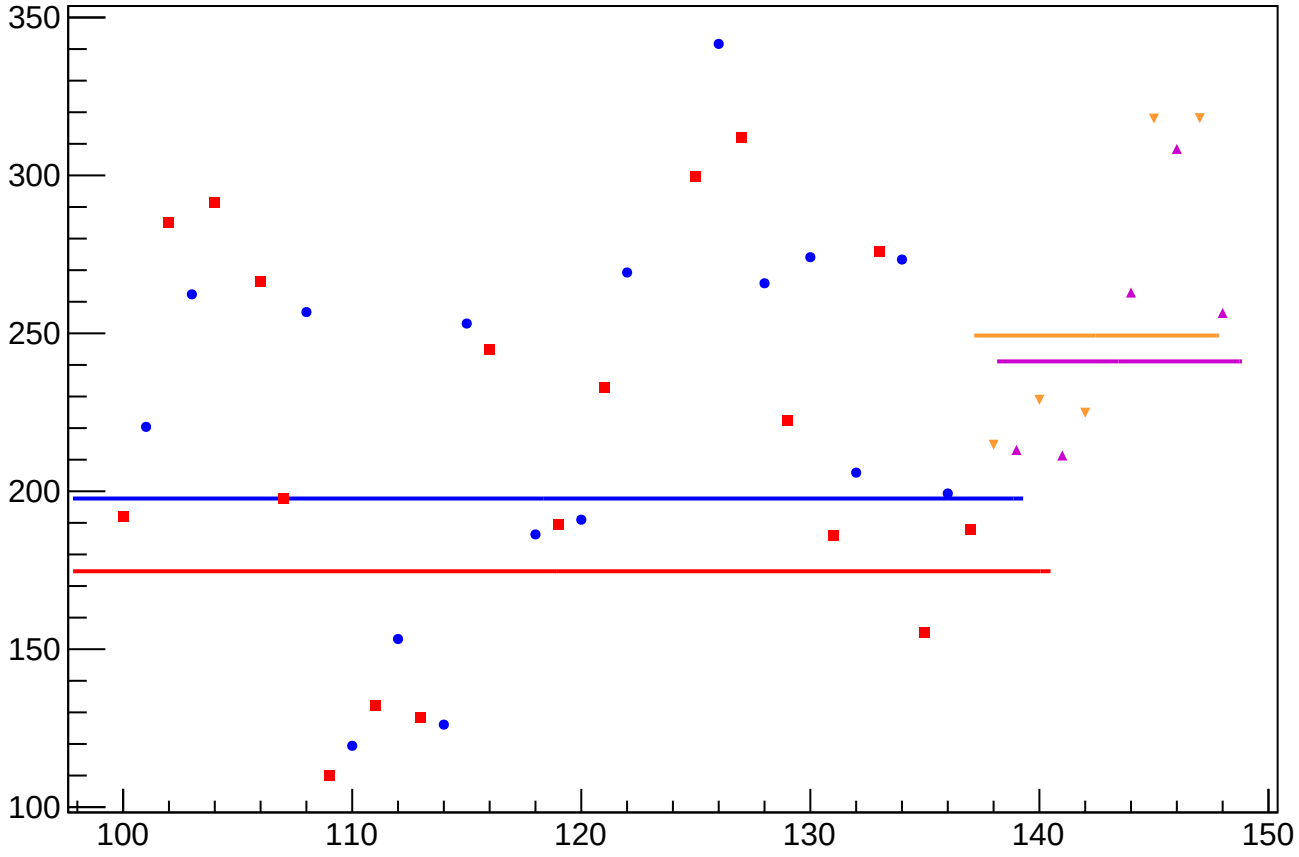
Left In: -269.950+/-117.808 χ^2/NDF:1.6/4

+ sign 50.930+/-66.964 χ^2/NDF: 21.8/20

All: 40.588+/-44.716 χ^2/NDF: 43.8/43

- sign 32.264+/-60.072 χ^2/NDF: 22.0/22

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

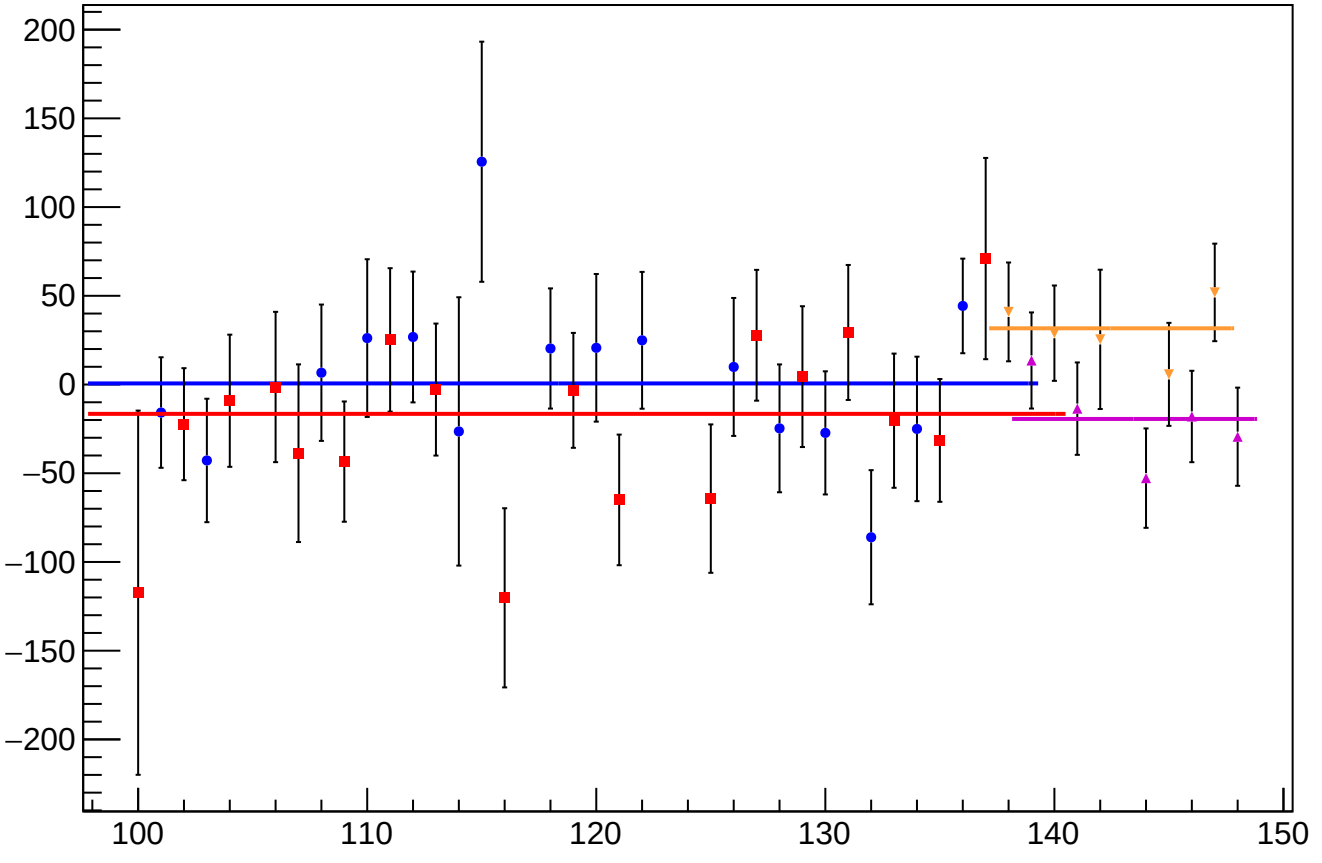
Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

+ sign 210.867+/-0.047 χ^2/NDF: 1440791.9/20

All: 200.387+/-0.032 χ^2/NDF: 3700196.3/43

- sign 191.954+/-0.042 χ^2/NDF: 2171005.8/22

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

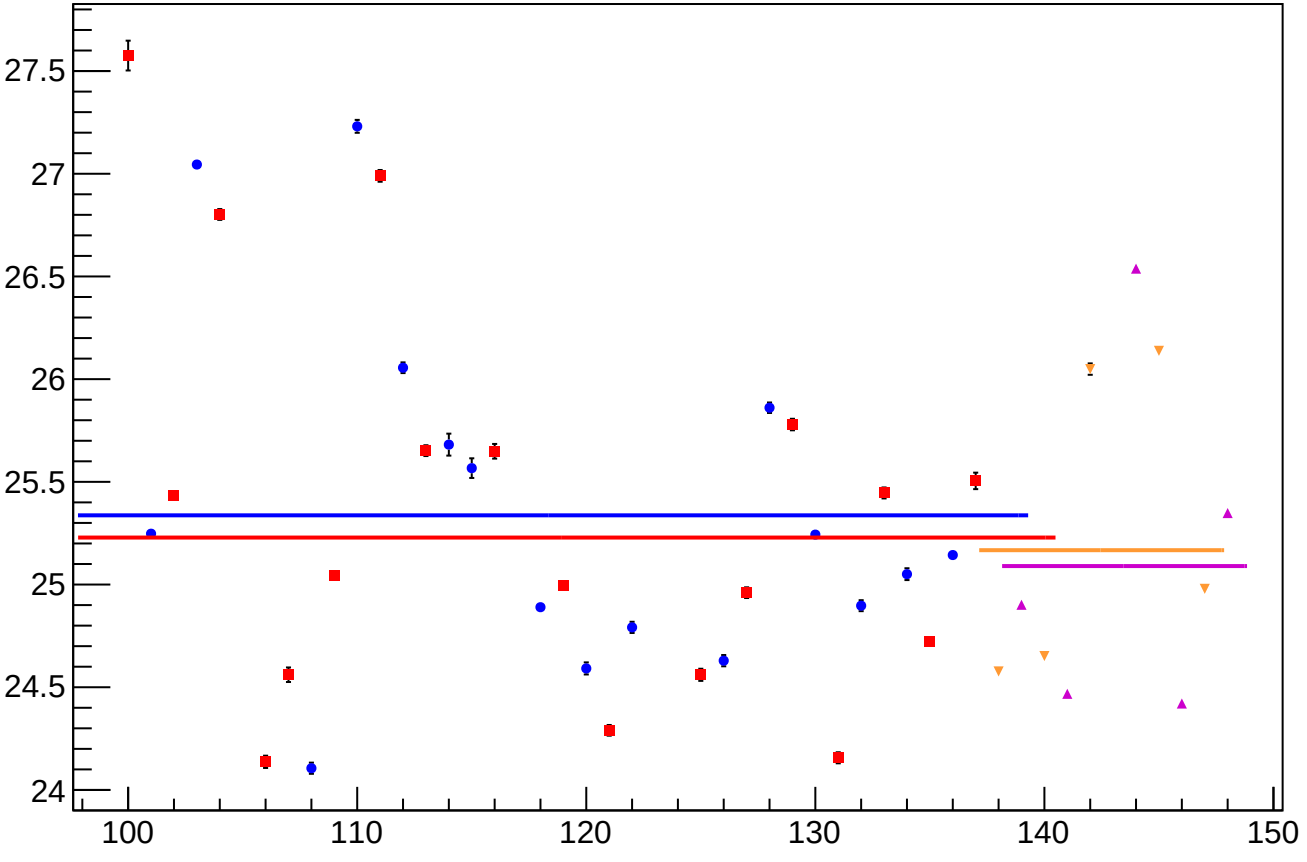
Left In: -19.404+/-12.014 χ^2/NDF:3.1/4

+ sign 11.222+/-7.647 χ^2/NDF: 21.9/20

All: -3.750+/-5.302 χ^2/NDF: 48.8/43

- sign -17.610+/-7.358 χ^2/NDF: 19.5/22

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

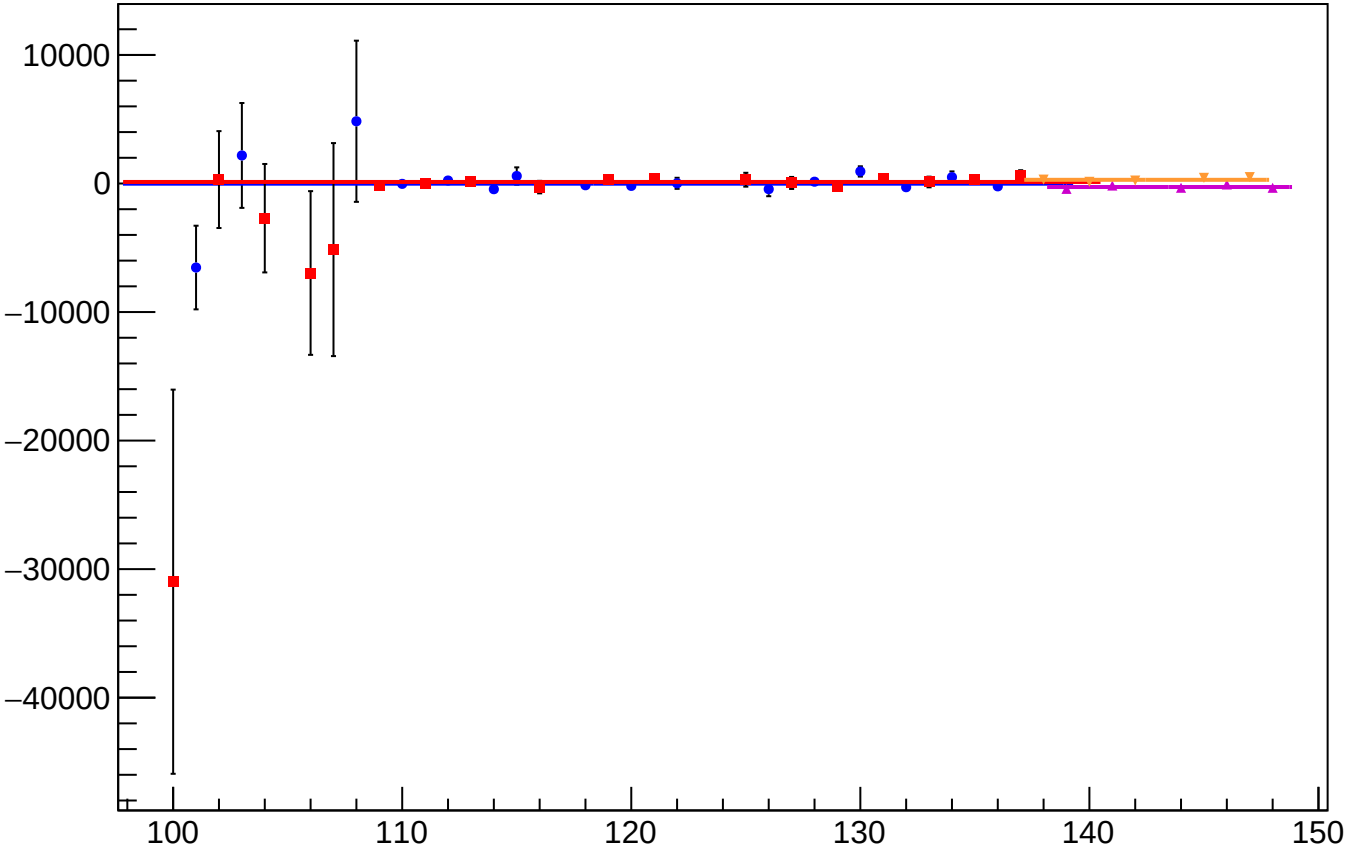
Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

+ sign 25.279+/-0.005 χ^2/NDF: 19511.0/20

All: 25.226+/-0.004 χ^2/NDF: 43148.9/43

- sign 25.177+/-0.005 χ^2/NDF: 23451.9/22

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

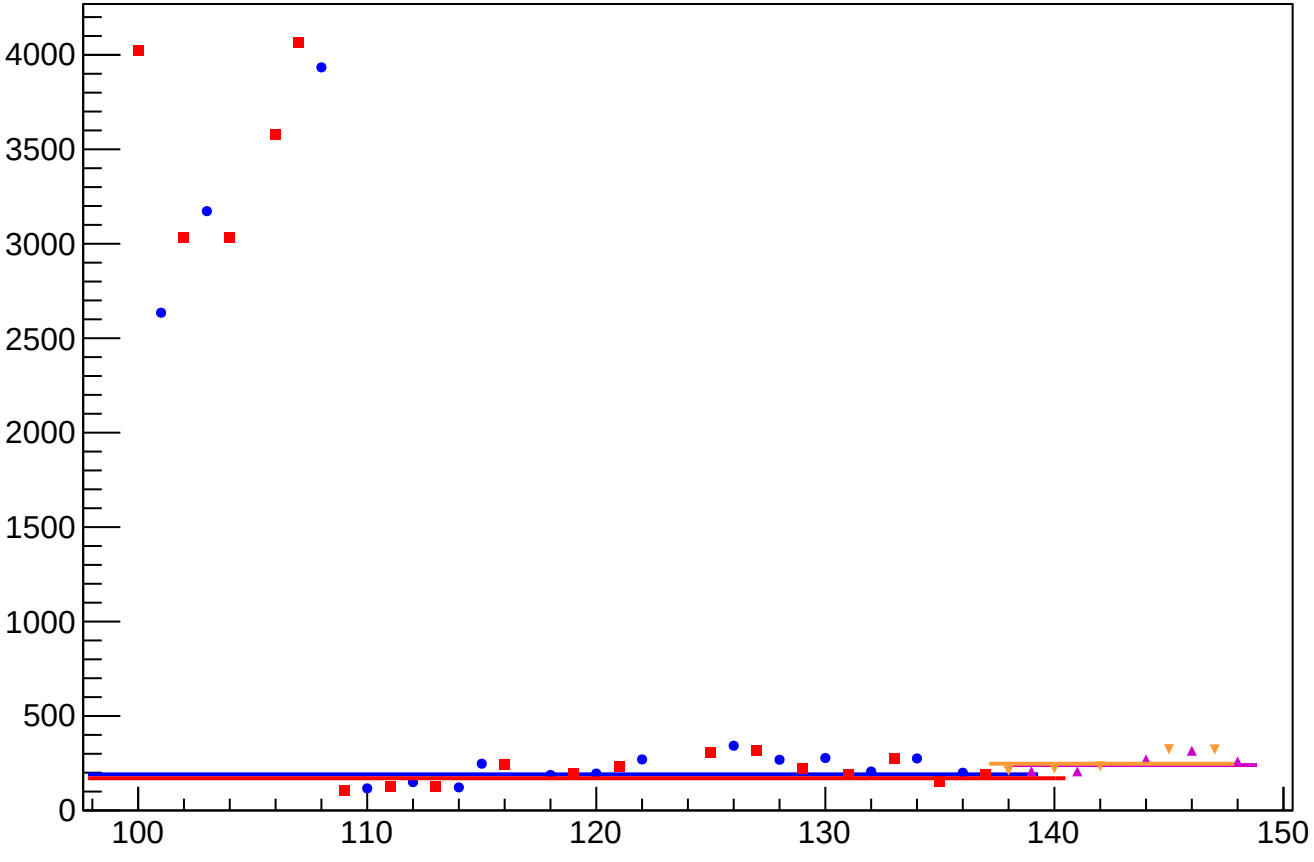
Left In: -272.720+/-117.785 χ^2/NDF:1.1/4

+ sign 73.921+/-71.133 χ^2/NDF: 22.9/20

All: 33.595+/-48.055 χ^2/NDF: 46.7/43

- sign -0.259+/-65.176 χ^2/NDF: 23.2/22

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

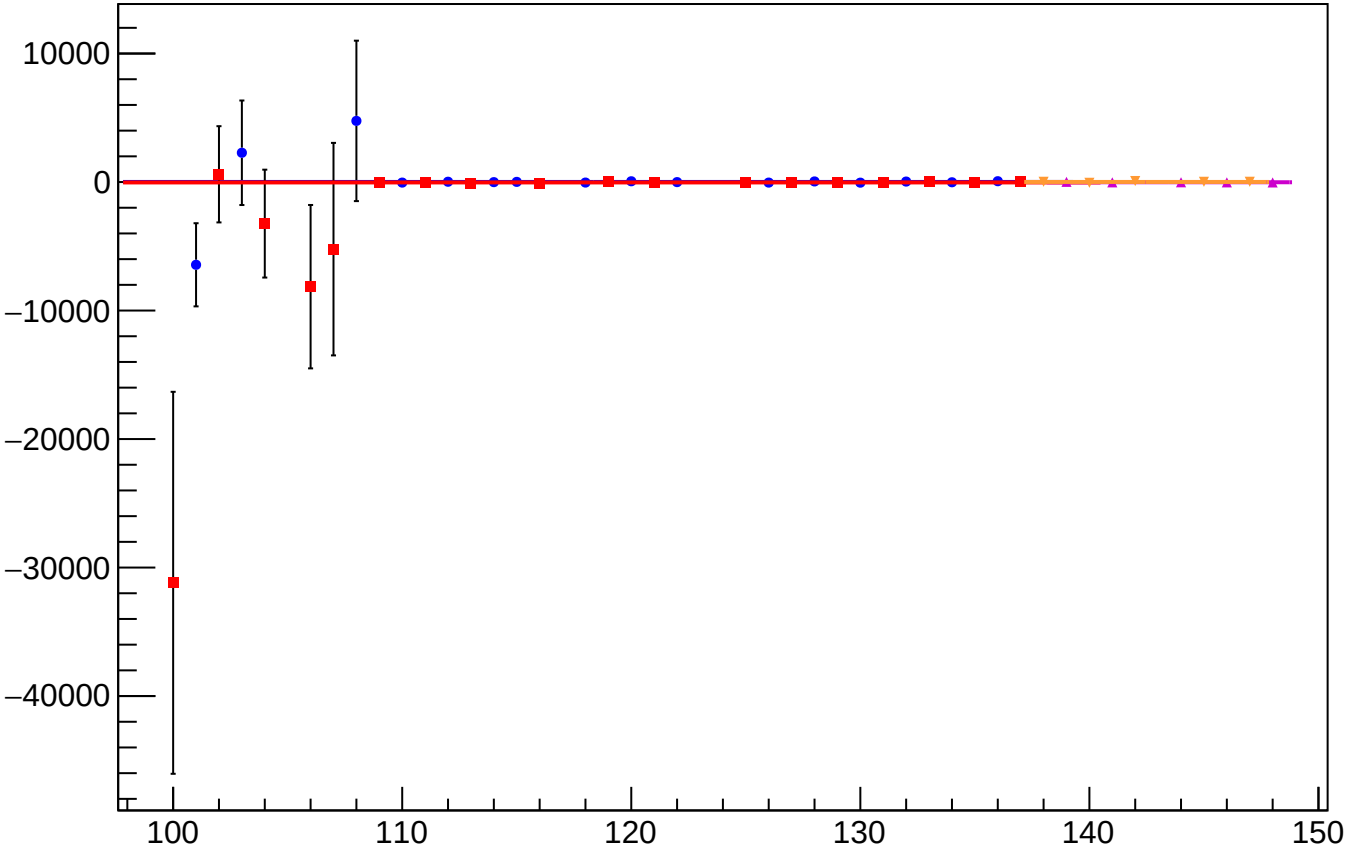
Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

+ sign 207.438+/-0.050 χ^2/NDF: 4344597.1/20

All: 198.969+/-0.034 χ^2/NDF: 9356043.6/43

- sign 191.858+/-0.046 χ^2/NDF: 4959287.6/22

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

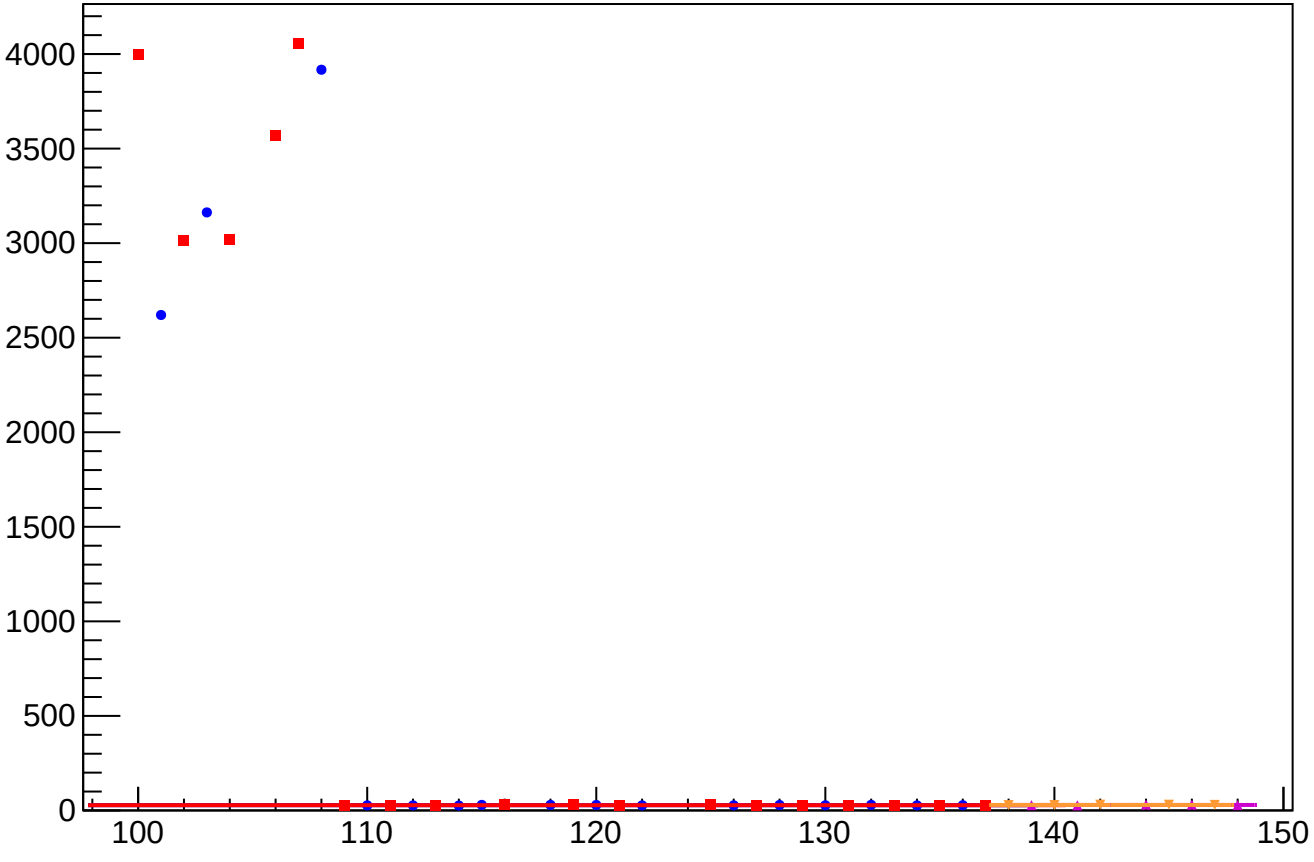
Left In: -16.107+/-13.950 χ^2/NDF:1.4/4

+ sign 6.690+/-9.297 χ^2/NDF: 25.8/20

All: -9.164+/-6.515 χ^2/NDF: 53.4/43

- sign -24.467+/-9.134 χ^2/NDF: 21.9/22

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

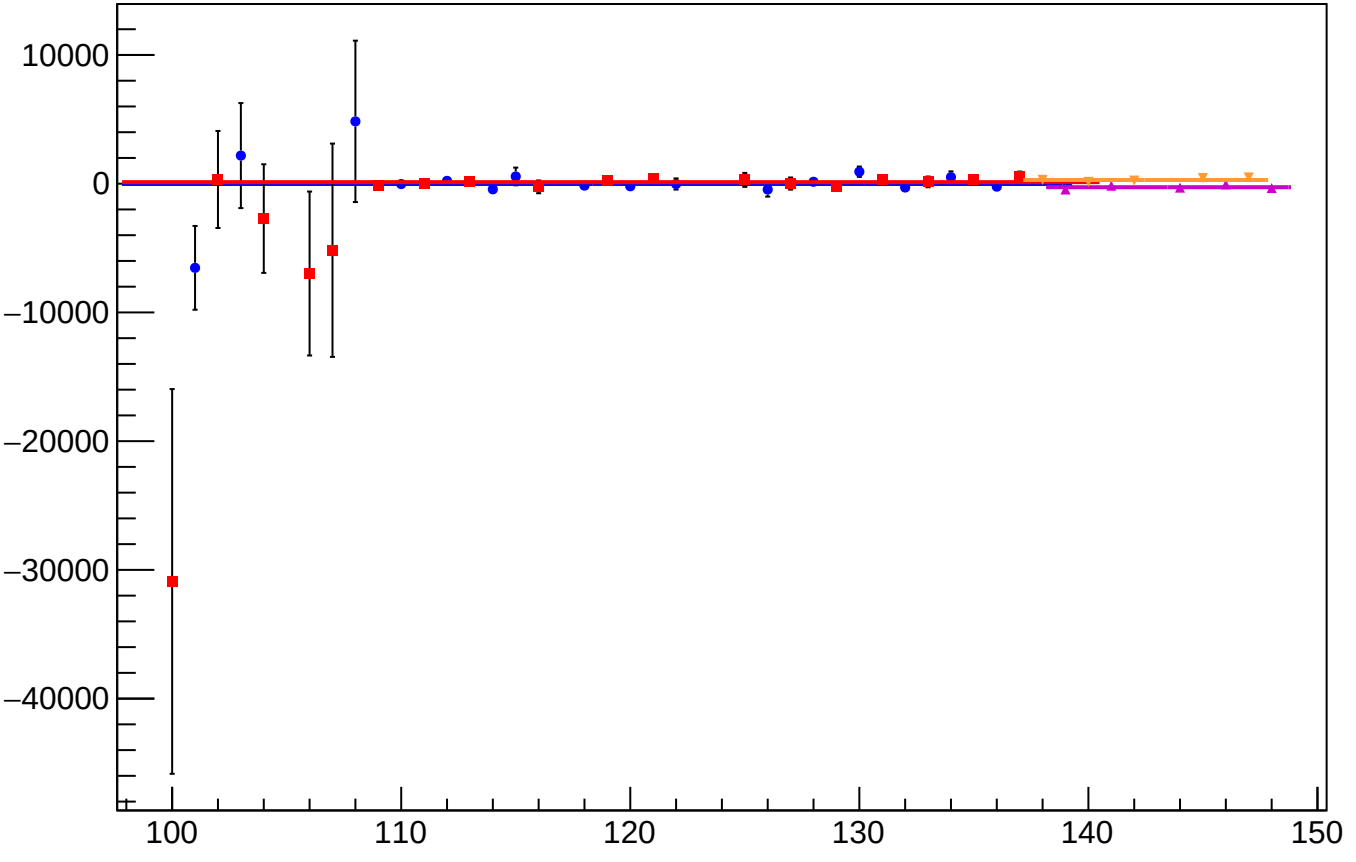
Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

+ sign 28.301+/-0.007 χ^2/NDF: 3281515.6/20

All: 28.319+/-0.005 χ^2/NDF: 6875591.5/43

- sign 28.336+/-0.006 χ^2/NDF: 3594061.2/22

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

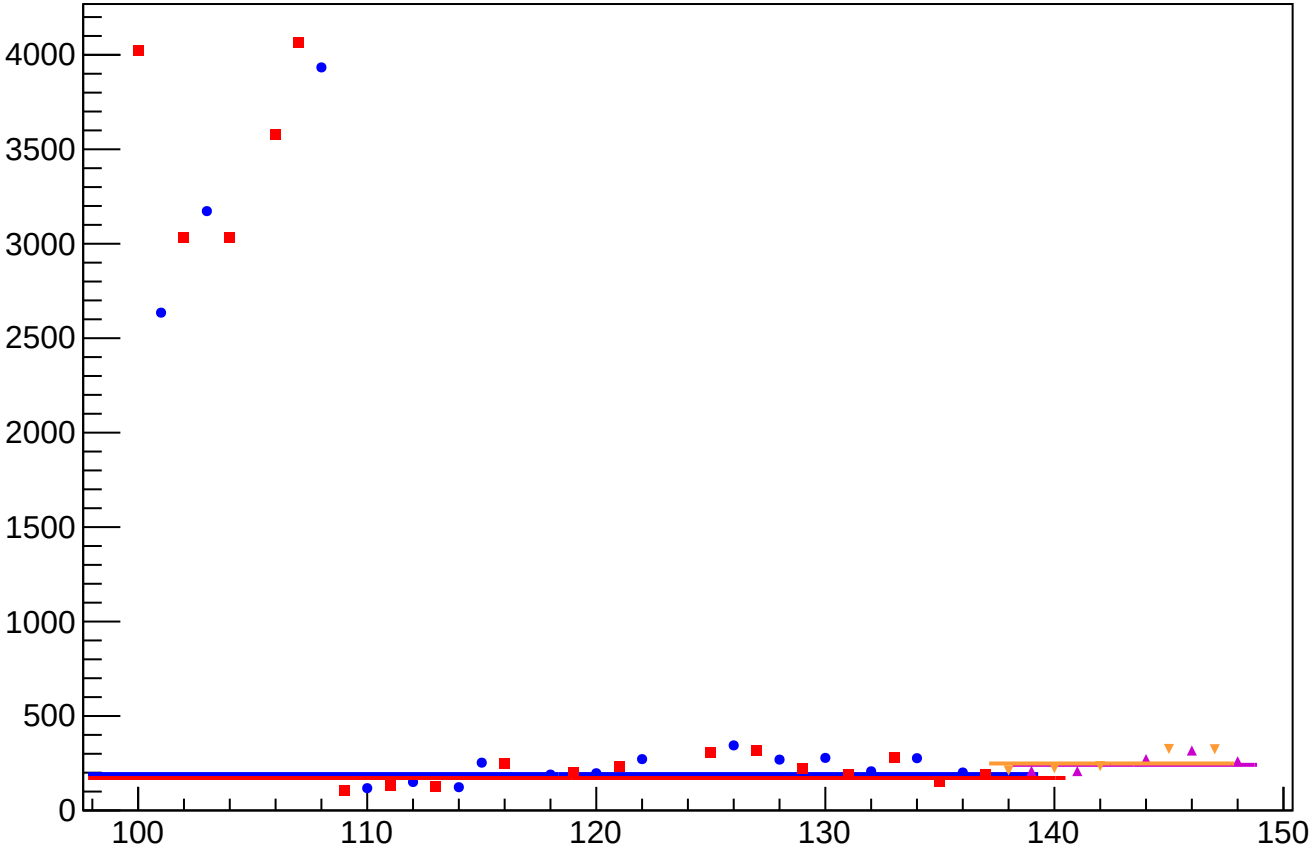
Left In: -272.689+/-118.366 χ^2/NDF:1.3/4

+ sign 70.177+/-71.597 χ^2/NDF: 22.8/20

All: 32.246+/-48.375 χ^2/NDF: 45.6/43

- sign 0.385+/-65.619 χ^2/NDF: 22.3/22

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

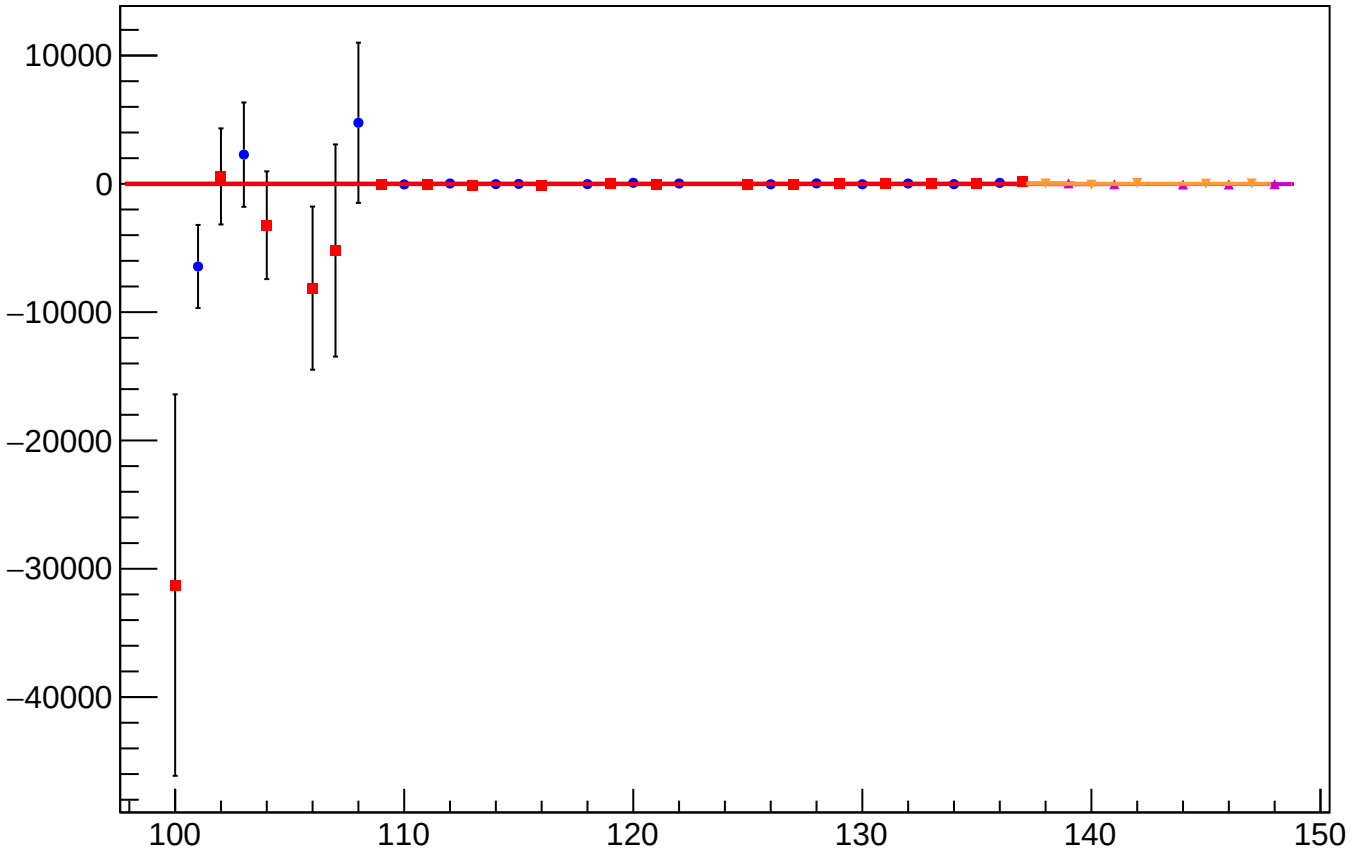
Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

+ sign 208.906+/-0.051 χ^2/NDF: 4326803.8/20

All: 200.420+/-0.034 χ^2/NDF: 9320010.4/43

- sign 193.291+/-0.046 χ^2/NDF: 4941504.9/22



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

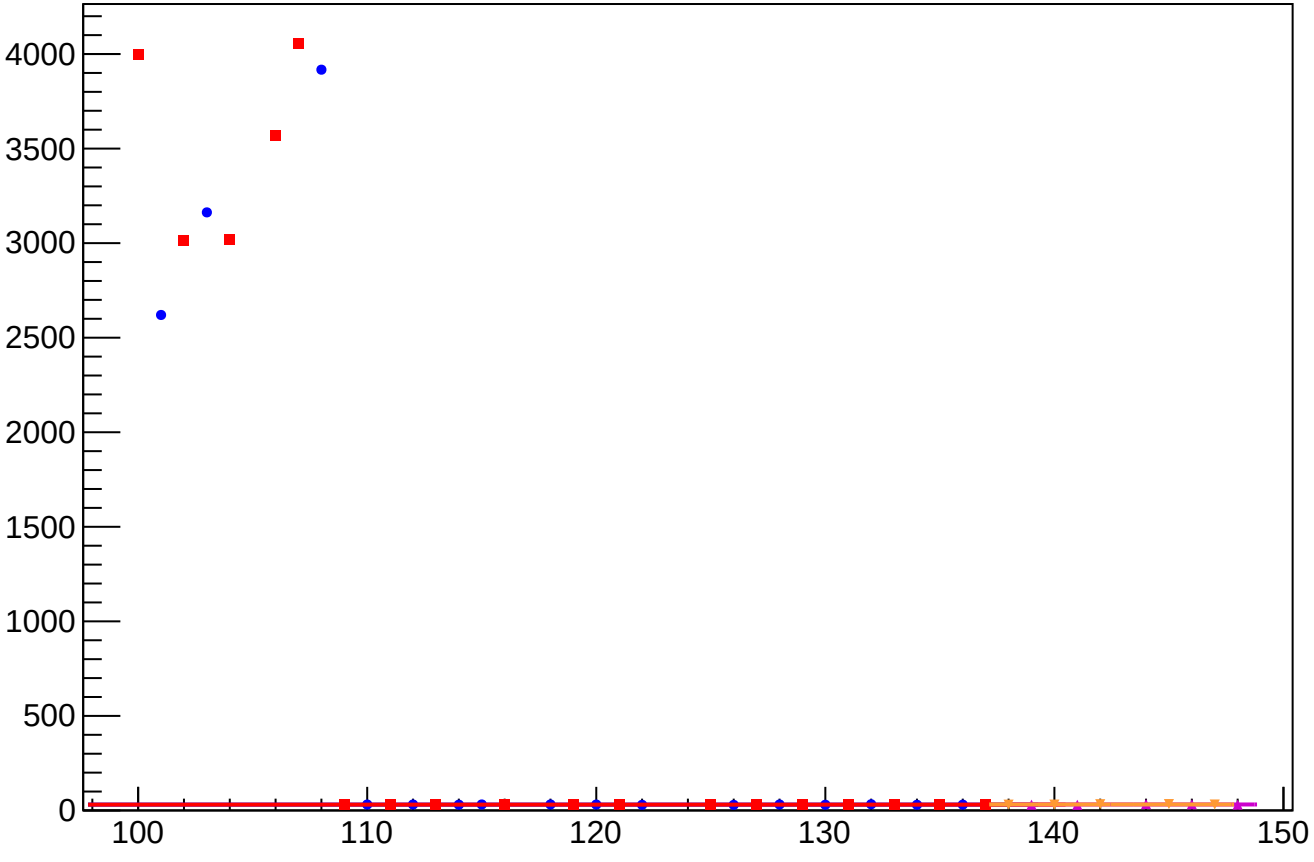
Left In: -18.669+/-15.161 χ^2/NDF:4.3/4

+ sign 10.554+/-10.252 χ^2/NDF: 22.3/20

All: -5.303+/-7.171 χ^2/NDF: 59.7/43

- sign -20.488+/-10.033 χ^2/NDF: 32.7/22

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

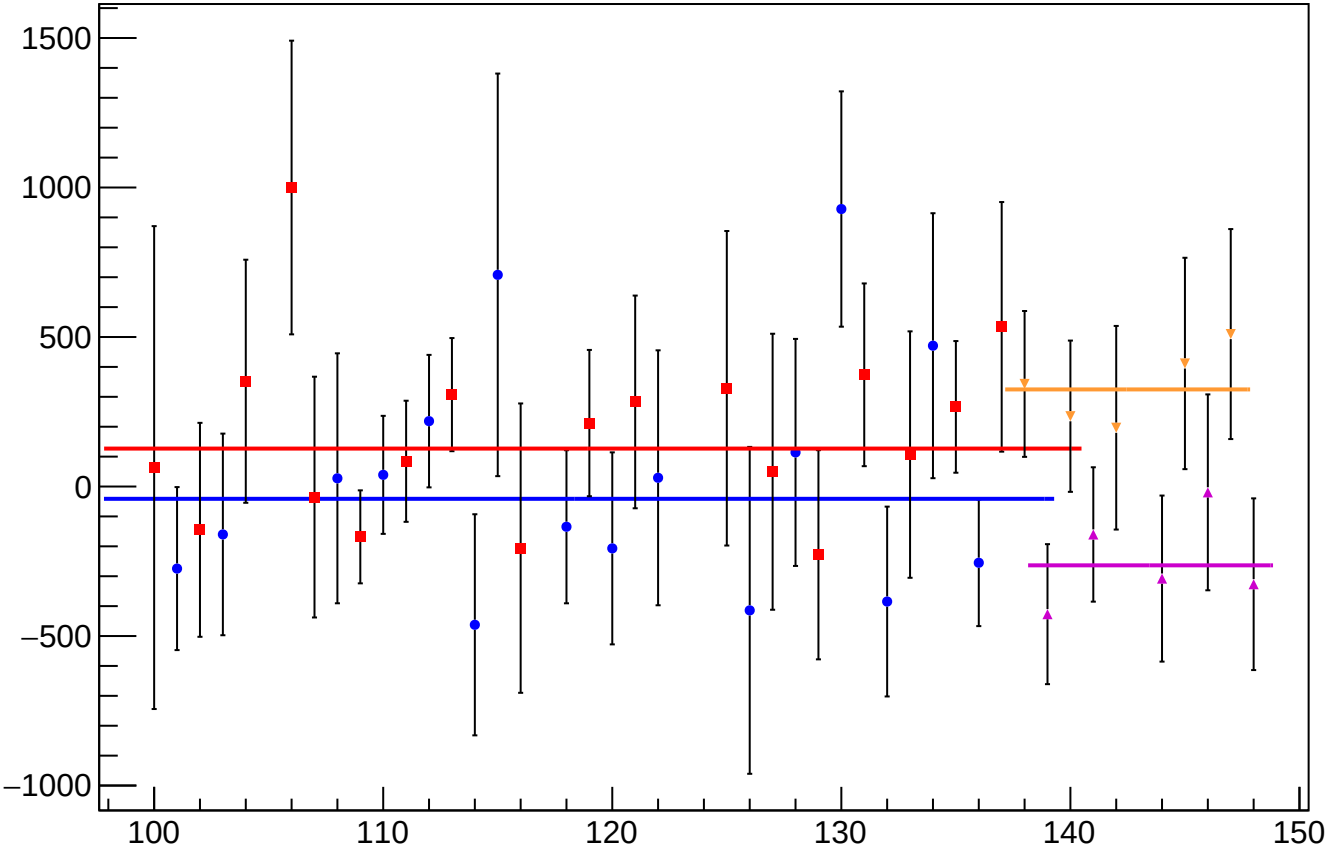
Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

+ sign 31.239+/-0.007 χ^2/NDF: 3264833.2/20

All: 31.203+/-0.005 χ^2/NDF: 6822752.7/43

- sign 31.168+/-0.007 χ^2/NDF: 3557869.9/22

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

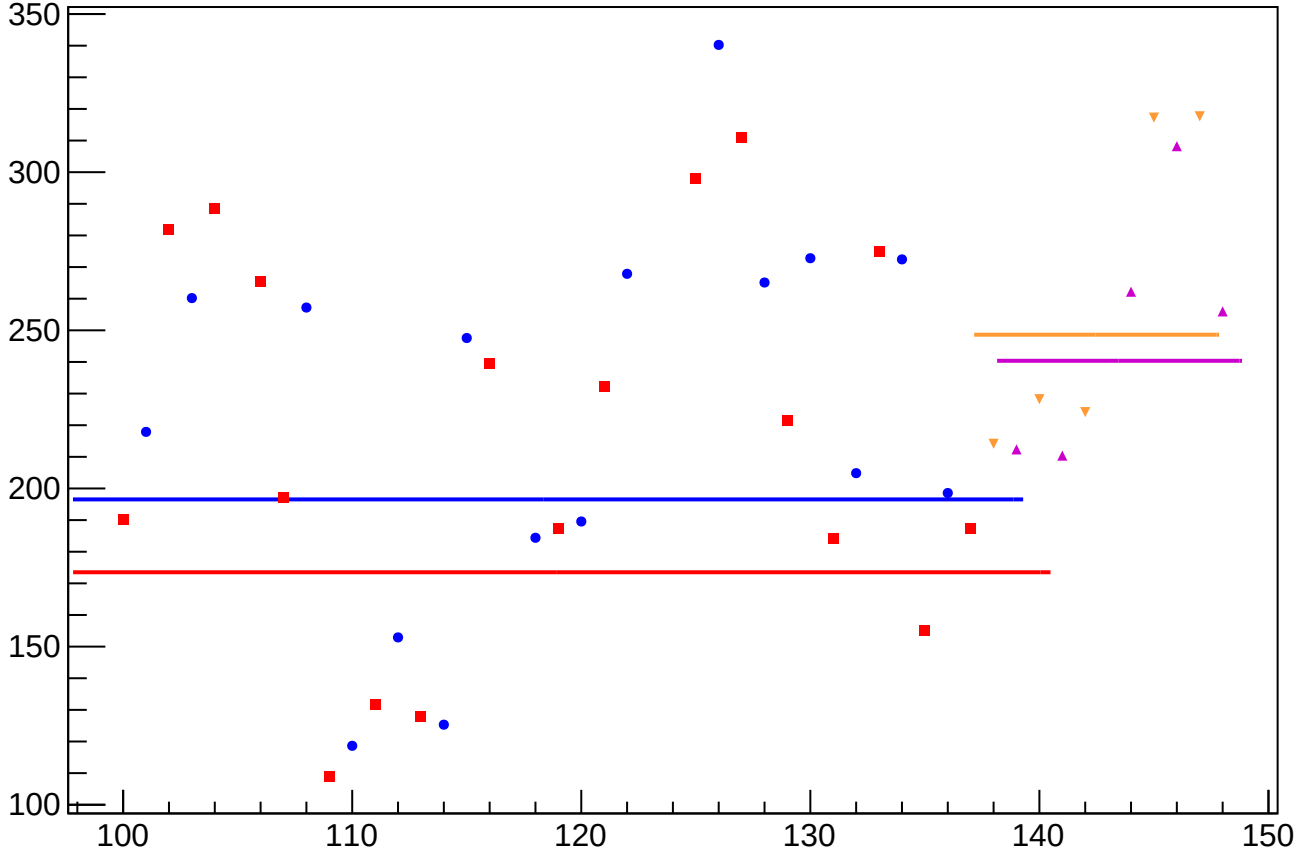
Left In: -263.580+/-117.468 χ^2/NDF:1.3/4

+ sign 51.760+/-66.632 χ^2/NDF: 21.9/20

All: 37.426+/-44.480 χ^2/NDF: 44.3/43

- sign 25.904+/-59.740 χ^2/NDF: 22.3/22

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

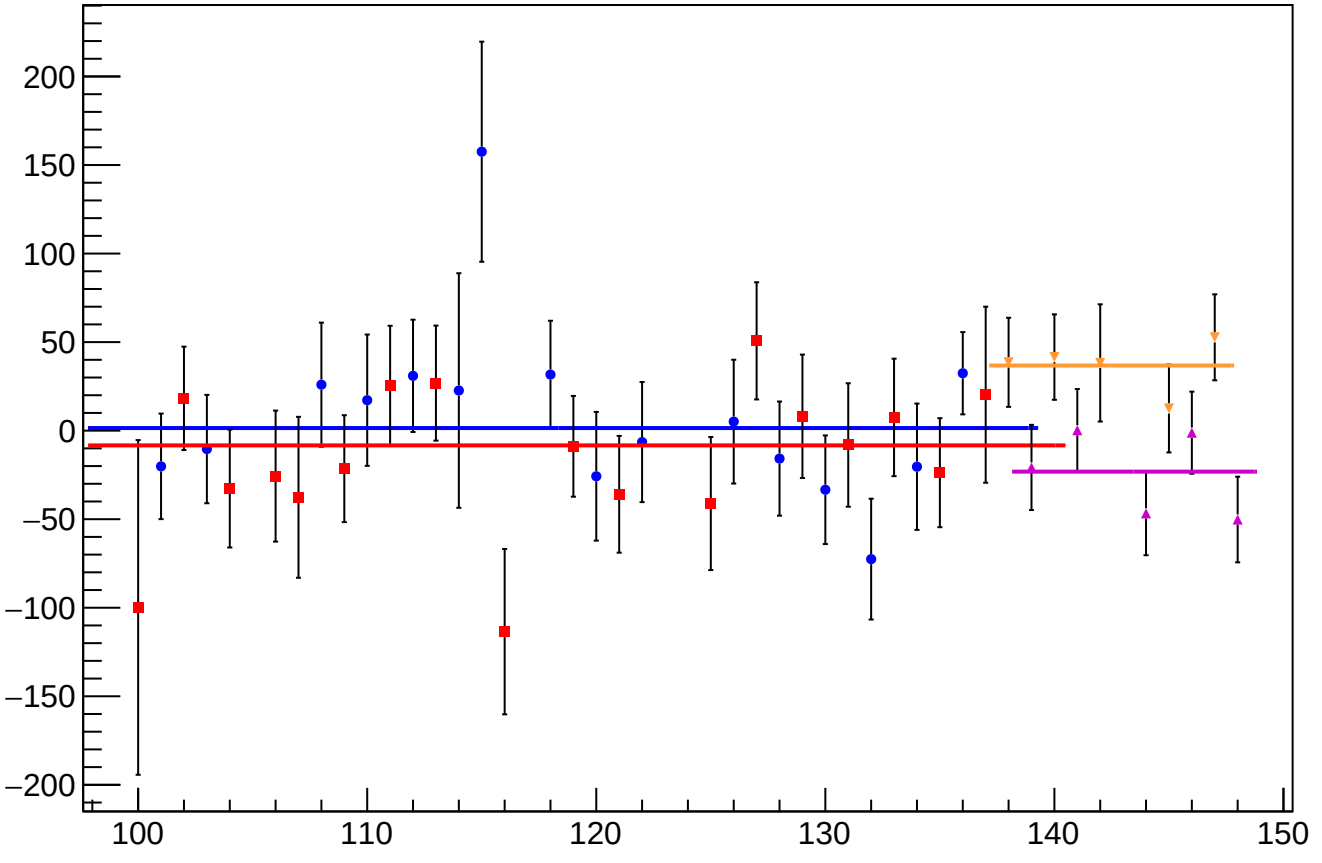
Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

+ sign 209.762+/-0.047 χ^2/NDF: 1448224.7/20

All: 199.251+/-0.031 χ^2/NDF: 3719424.6/43

- sign 190.802+/-0.042 χ^2/NDF: 2181430.4/22

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

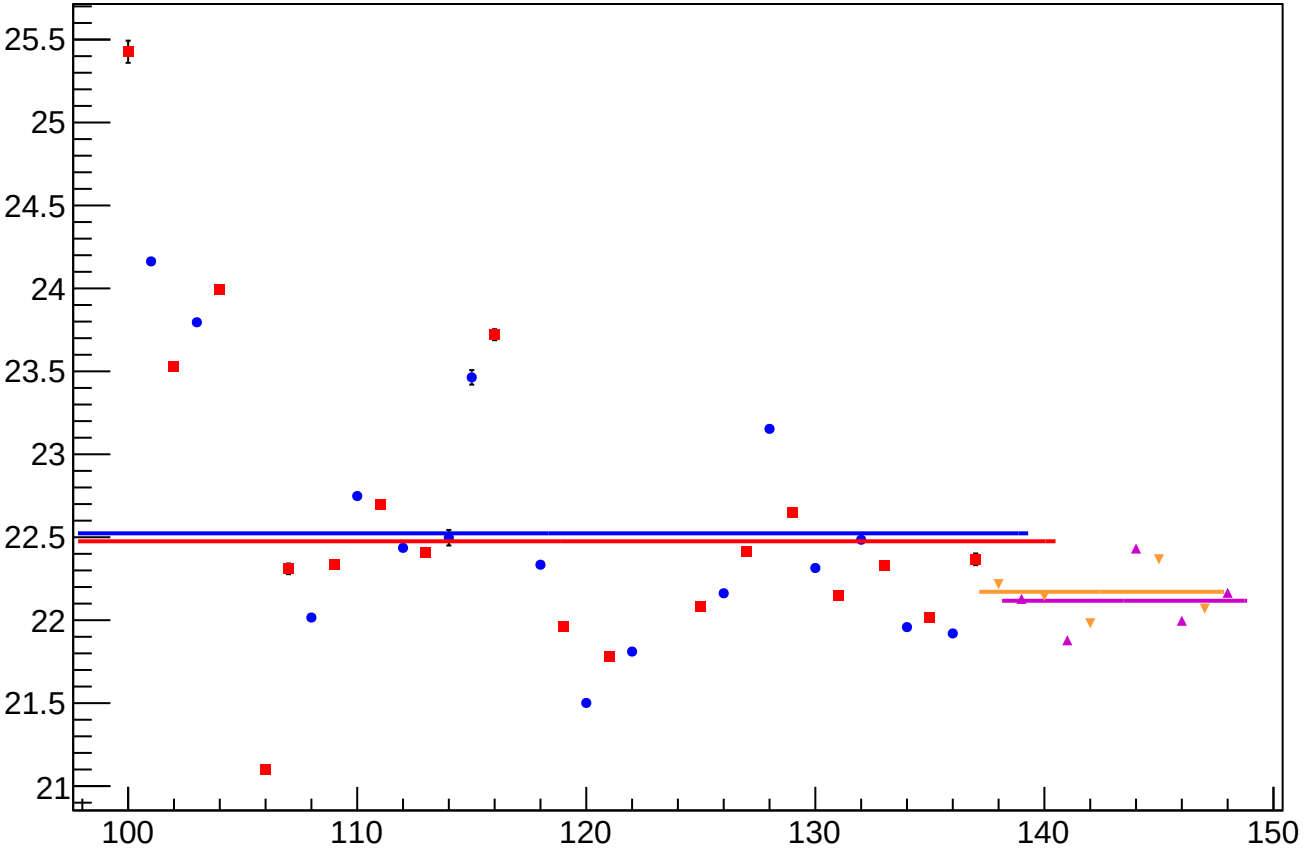
Left In: -23.144+/-10.578 χ^2/NDF:4.2/4

+ sign 13.673+/-6.772 χ^2/NDF: 26.3/20

All: -0.663+/-4.698 χ^2/NDF: 56.3/43

- sign -13.963+/-6.523 χ^2/NDF: 21.4/22

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

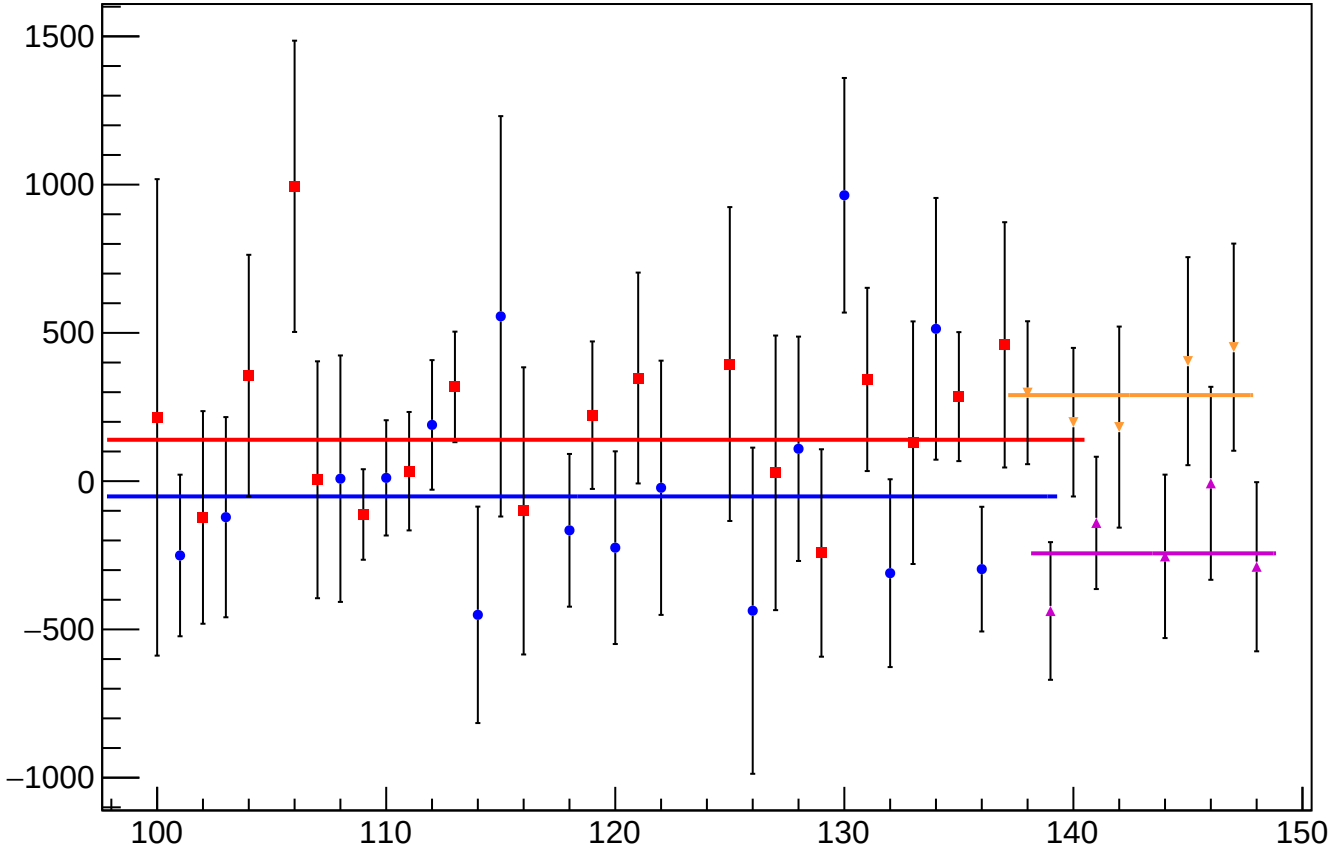
Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

\+ sign 22.402+/-0.005 χ^2/NDF: 17406.3/20

All: 22.369+/-0.003 χ^2/NDF: 35080.8/43

\- sign 22.339+/-0.005 χ^2/NDF: 17586.2/22

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

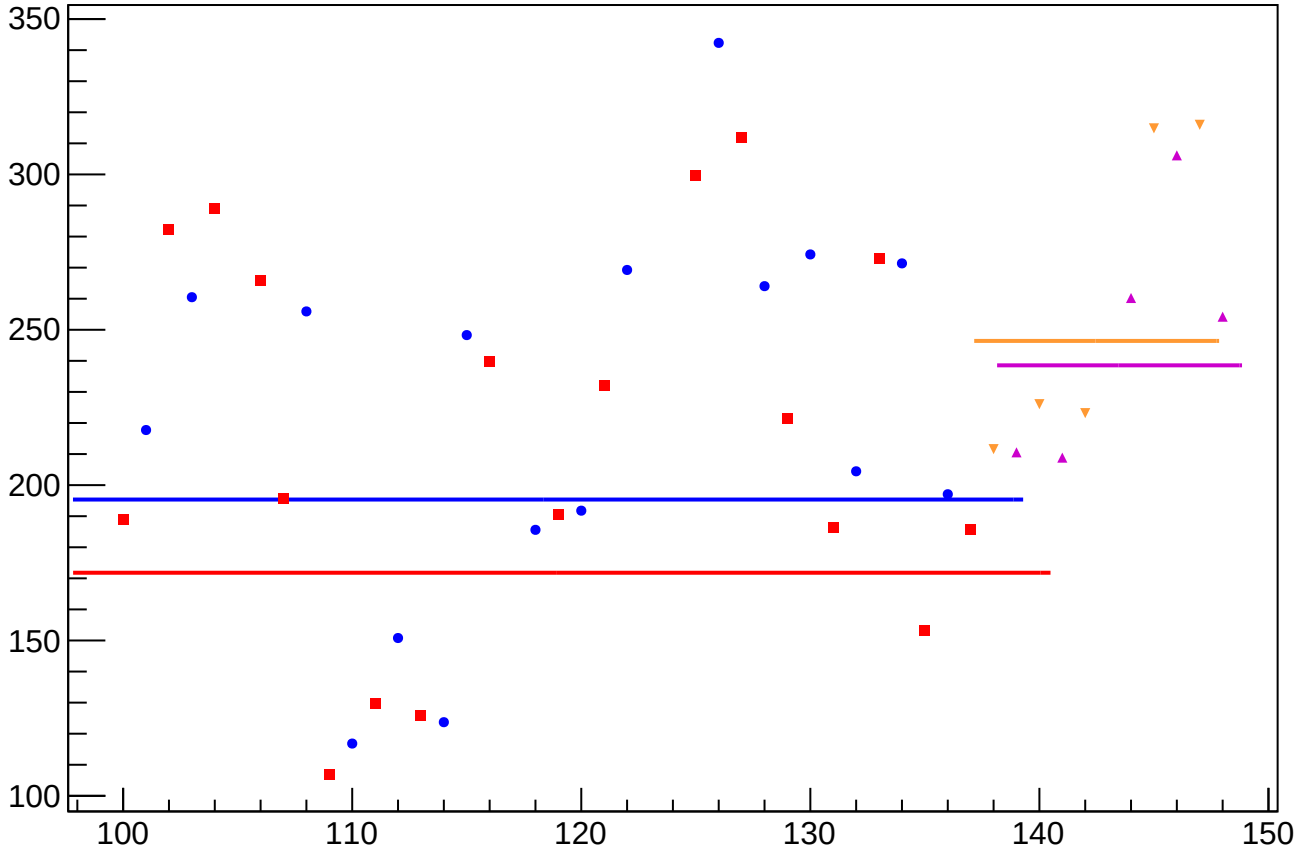
Left In: -243.494+/-116.604 χ^2/NDF:1.5/4

\+ sign 35.781+/-66.268 χ^2/NDF: 21.0/20

All: 38.370+/-44.195 χ^2/NDF: 42.0/43

\- sign 40.443+/-59.311 χ^2/NDF: 21.0/22

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

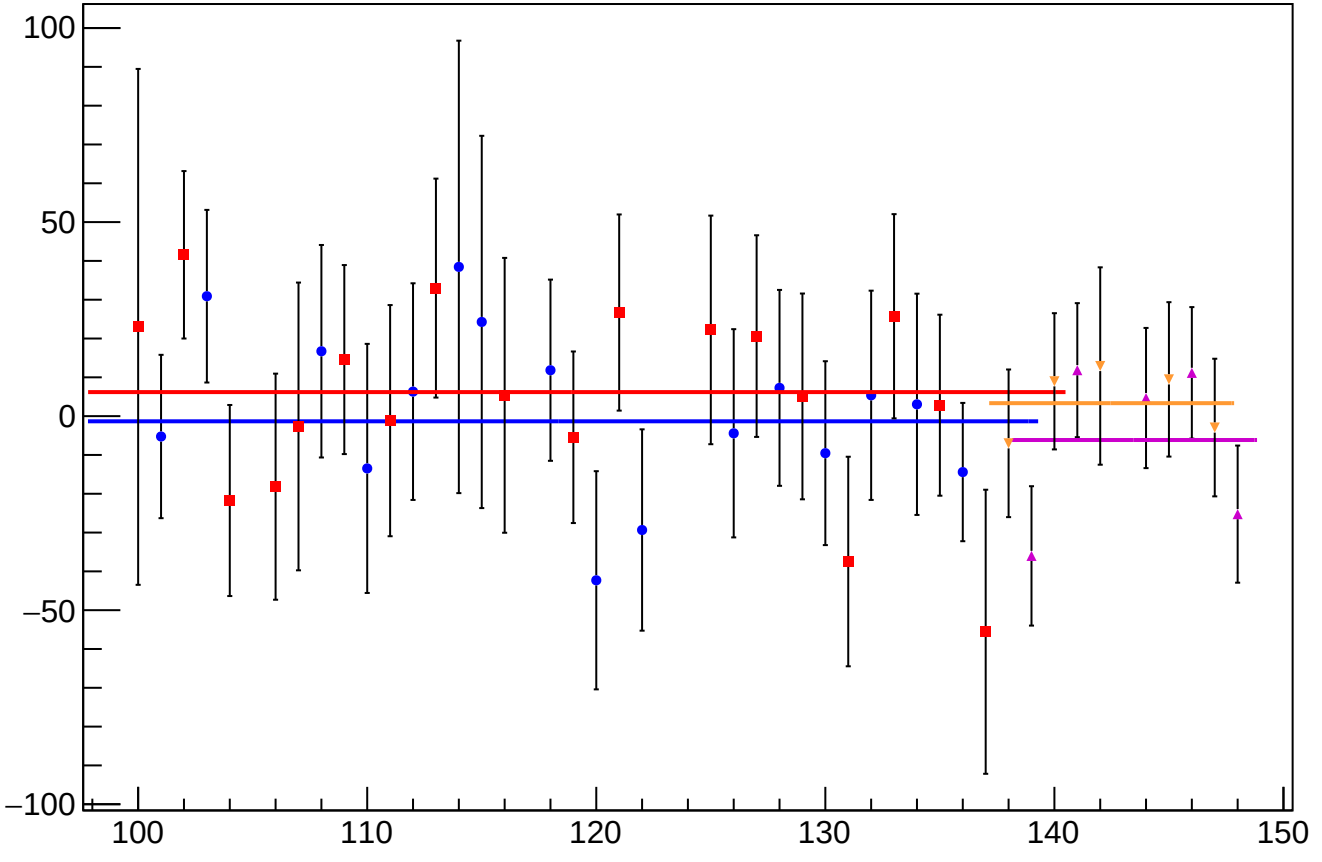
Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

+ sign 208.402+/-0.047 χ^2/NDF: 1486980.5/20

All: 197.671+/-0.031 χ^2/NDF: 3837140.9/43

- sign 189.075+/-0.042 χ^2/NDF: 2255708.3/22

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

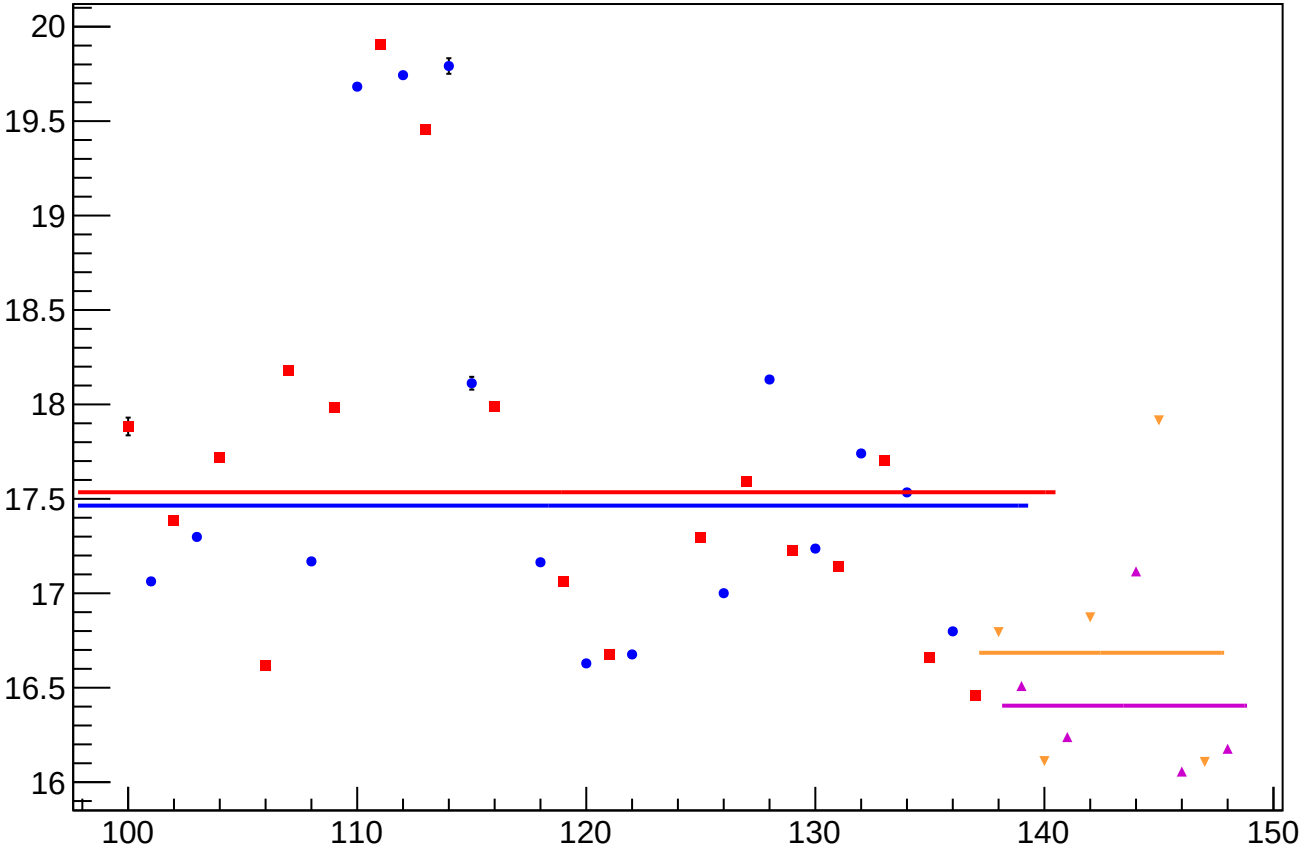
Left In: -6.150+/-7.855 χ^2/NDF:6.4/4

+ sign 0.347+/-5.203 χ^2/NDF: 9.0/20

All: 0.792+/-3.603 χ^2/NDF: 30.3/43

- sign 1.203+/-4.995 χ^2/NDF: 21.4/22

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

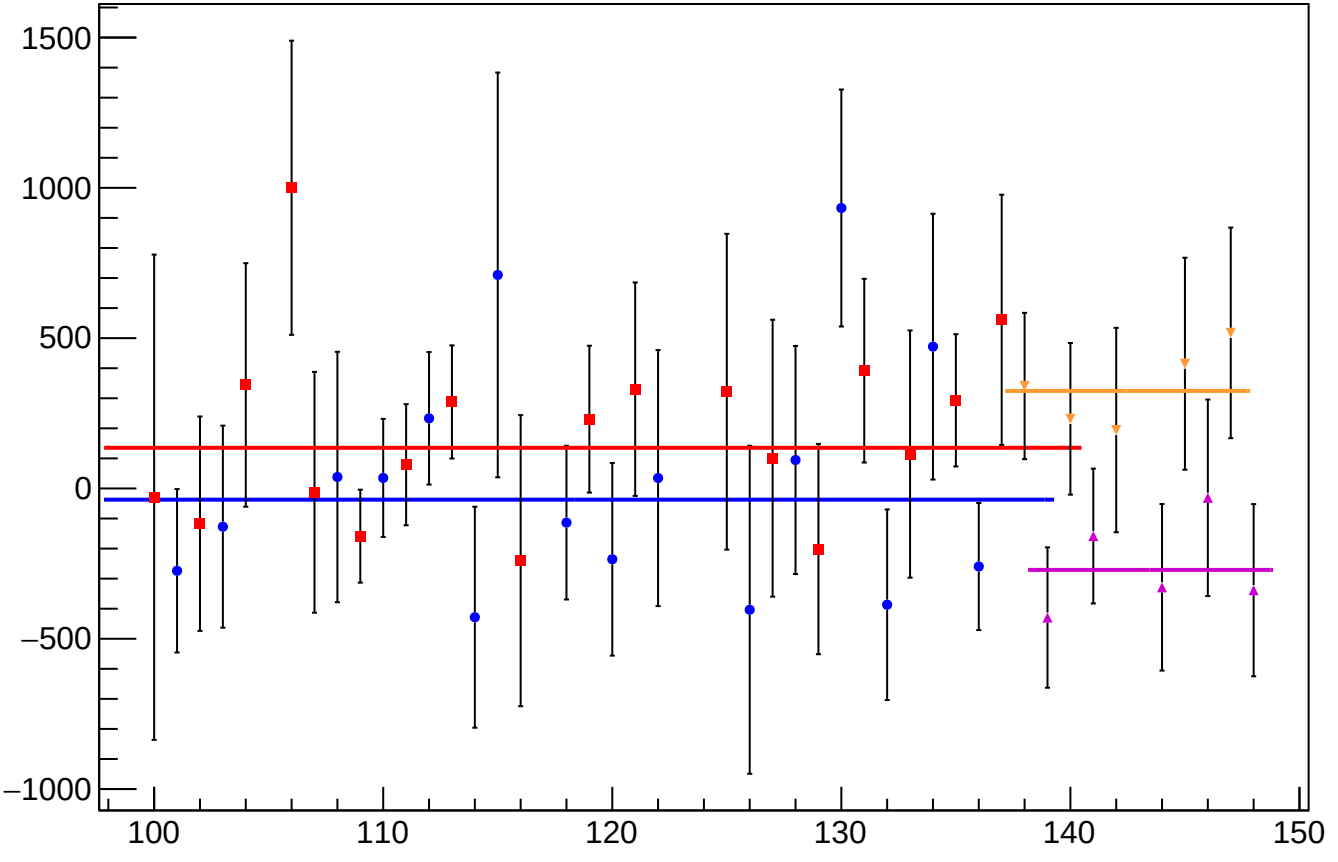
Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

+ sign 17.184+/-0.004 χ^2/NDF: 59060.4/20

All: 17.129+/-0.003 χ^2/NDF: 123159.6/43

- sign 17.078+/-0.004 χ^2/NDF: 63663.7/22

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

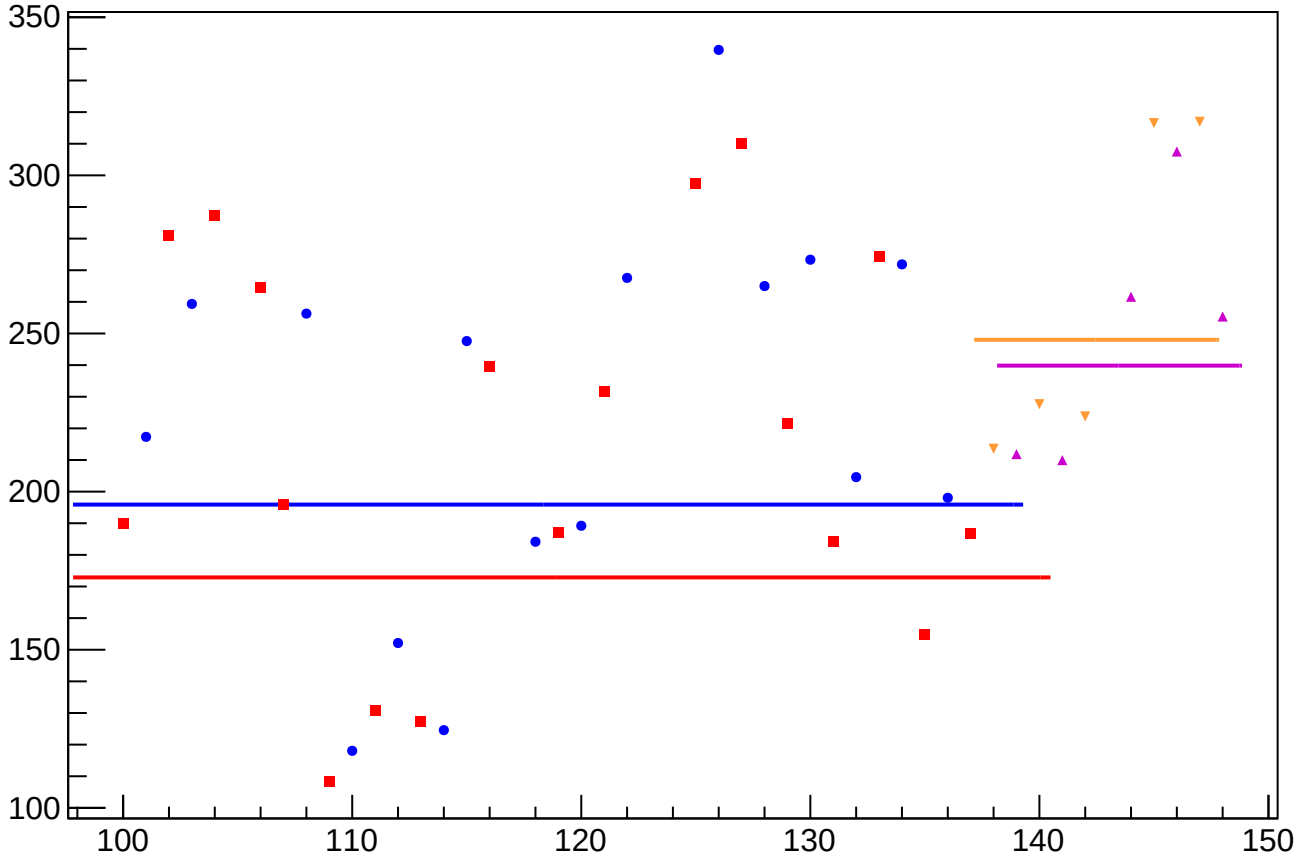
Left In: -270.929+/-117.209 χ^2/NDF:1.3/4

+ sign 54.493+/-66.447 χ^2/NDF: 21.9/20

All: 41.123+/-44.352 χ^2/NDF: 45.0/43

- sign 30.380+/-59.562 χ^2/NDF: 23.1/22

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

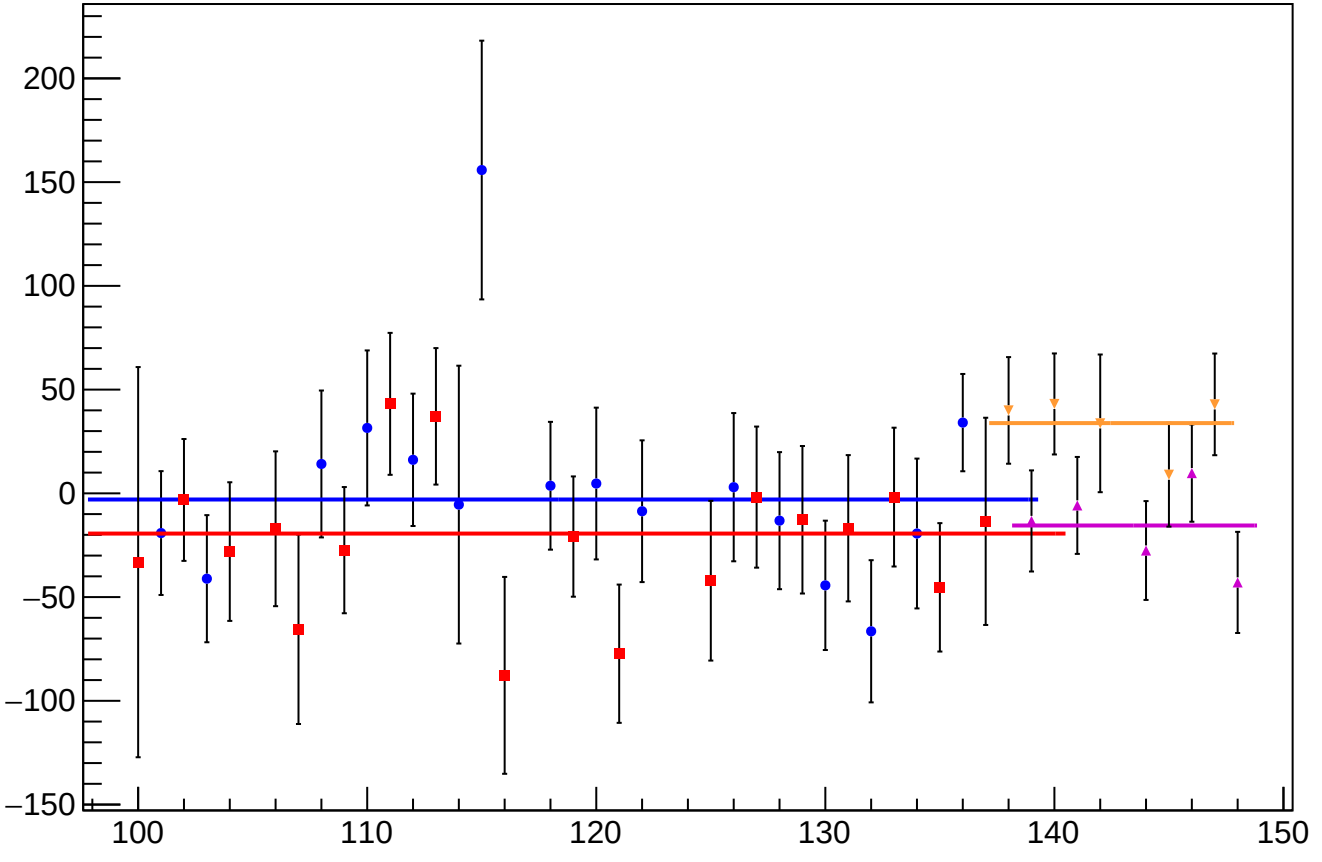
Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

+ sign 209.120+/-0.047 χ^2/NDF: 1460153.5/20

All: 198.611+/-0.031 χ^2/NDF: 3746133.0/43

- sign 190.166+/-0.042 χ^2/NDF: 2195752.4/22

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

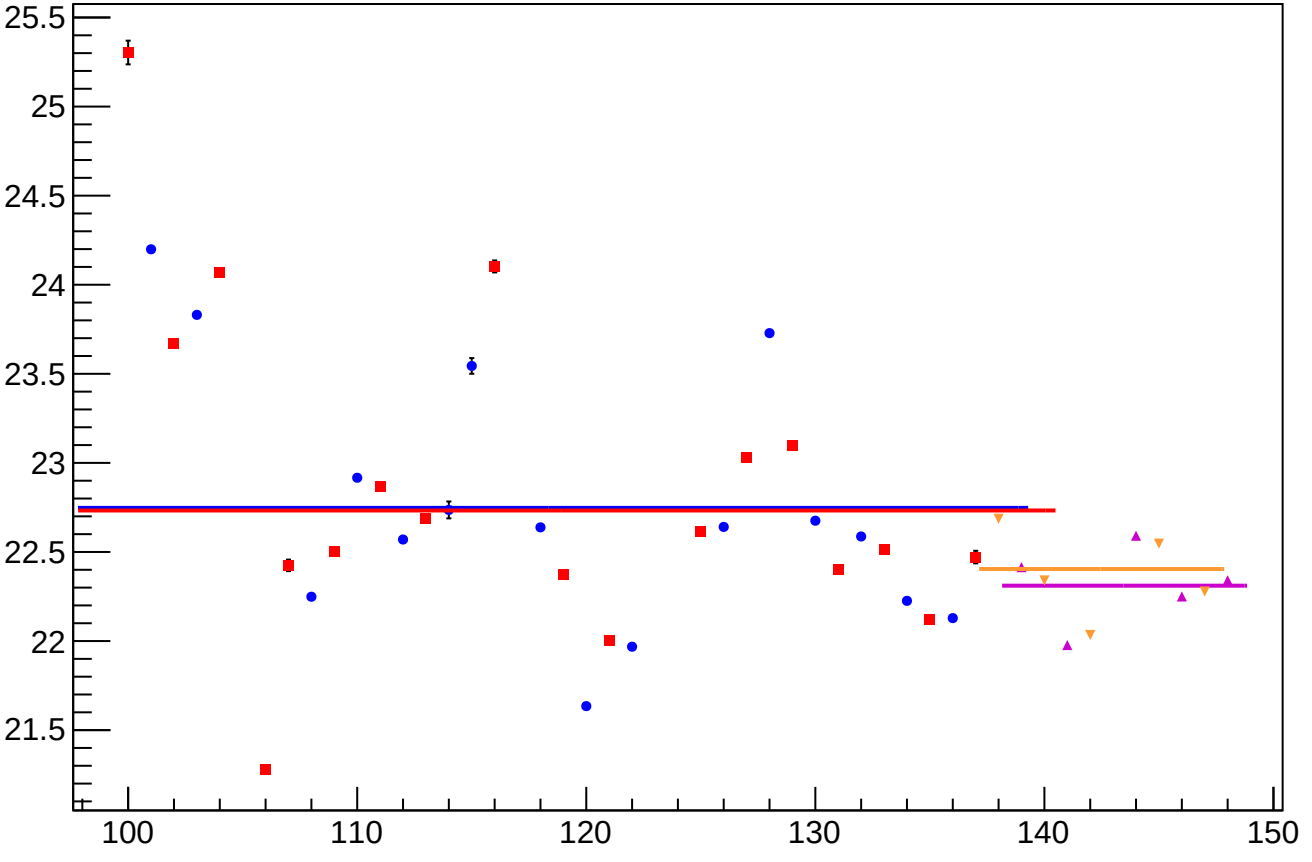
Left In: -15.499+/-10.671 χ^2/NDF:2.9/4

+ sign 9.742+/-6.841 χ^2/NDF: 25.8/20

All: -4.595+/-4.747 χ^2/NDF: 51.7/43

- sign -17.904+/-6.591 χ^2/NDF: 17.5/22

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

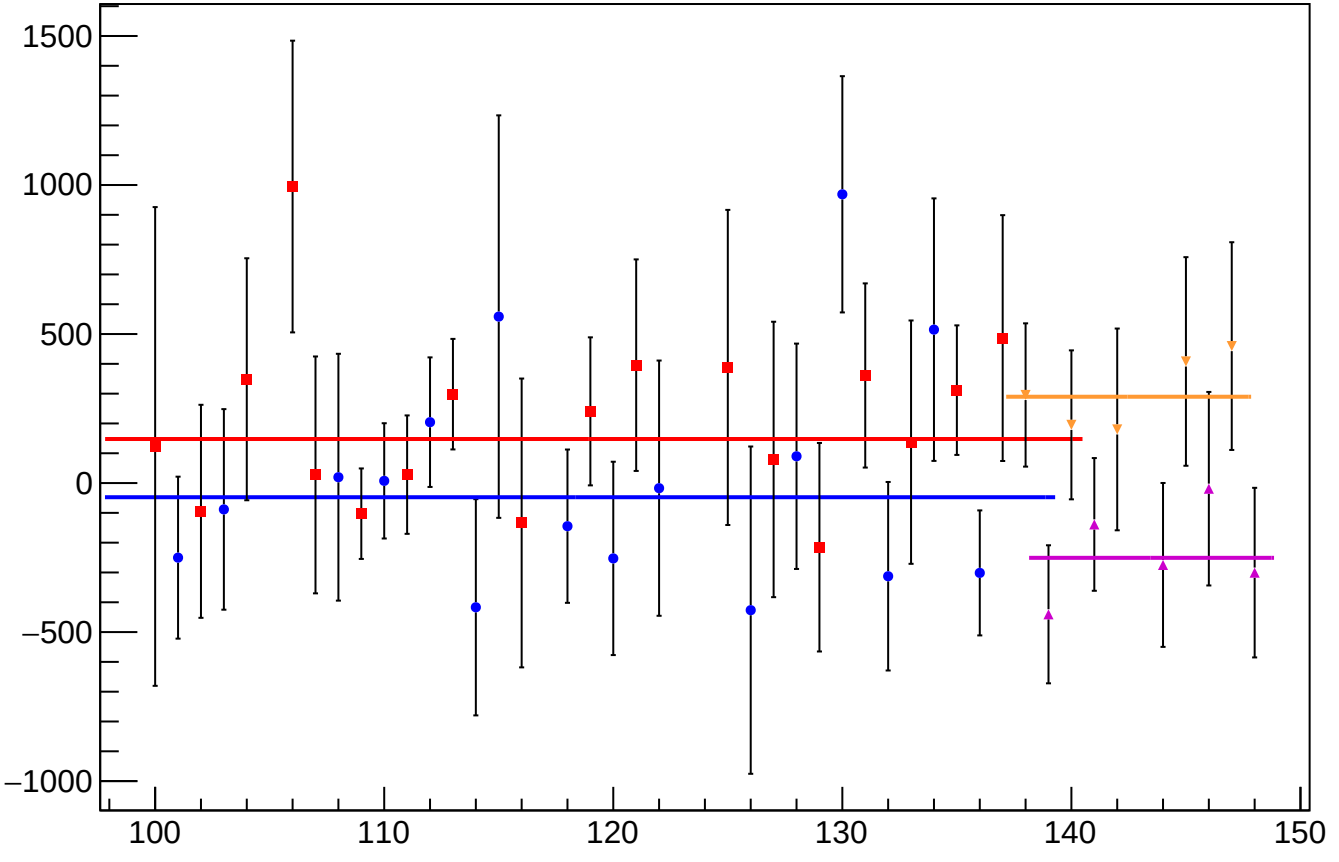
Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

+ sign 22.629+/-0.005 χ^2/NDF: 16380.9/20

All: 22.599+/-0.003 χ^2/NDF: 33515.2/43

- sign 22.572+/-0.005 χ^2/NDF: 17061.7/22

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

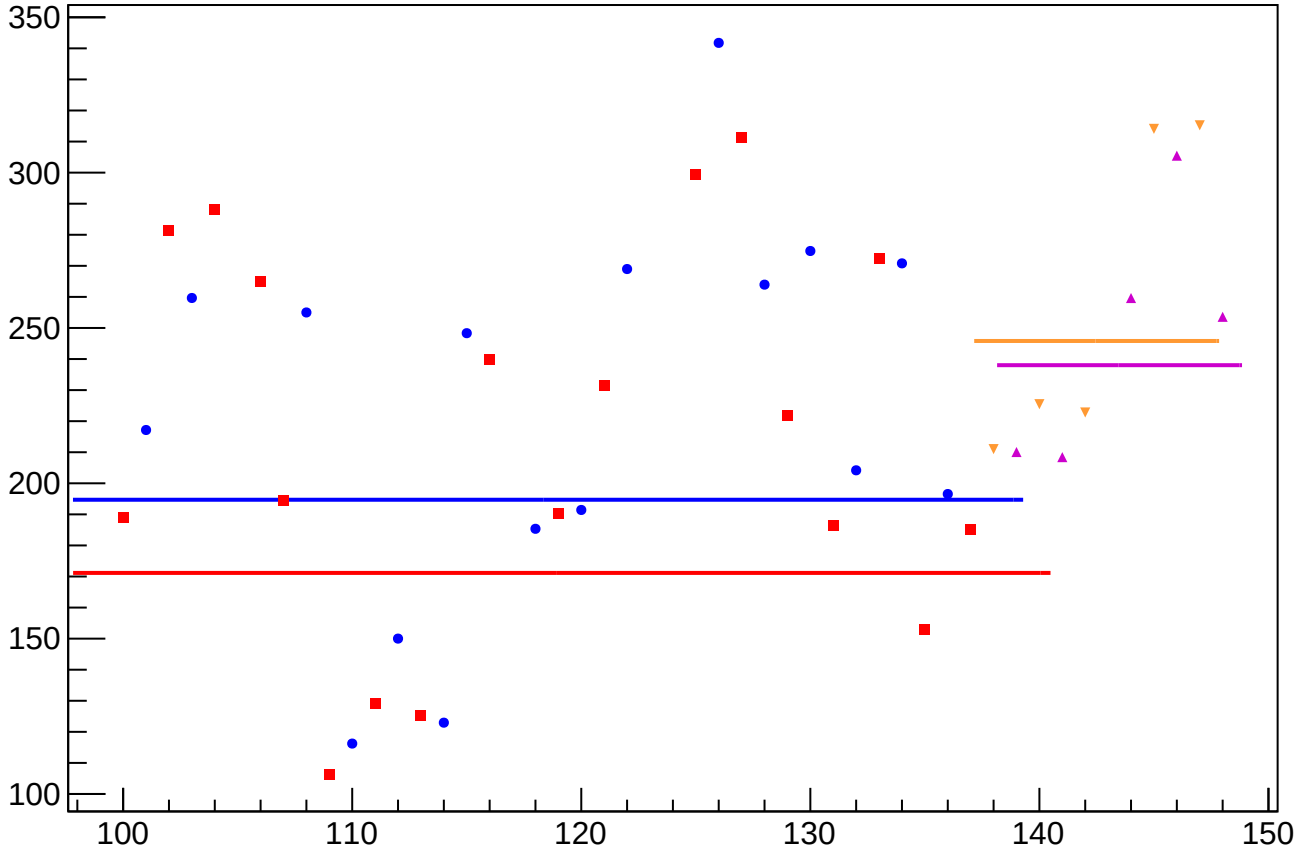
Left In: -250.863+/-116.343 χ^2/NDF:1.5/4

\+ sign 38.528+/-66.081 χ^2/NDF: 20.9/20

All: 42.028+/-44.065 χ^2/NDF: 42.7/43

\- sign 44.830+/-59.131 χ^2/NDF: 21.7/22

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

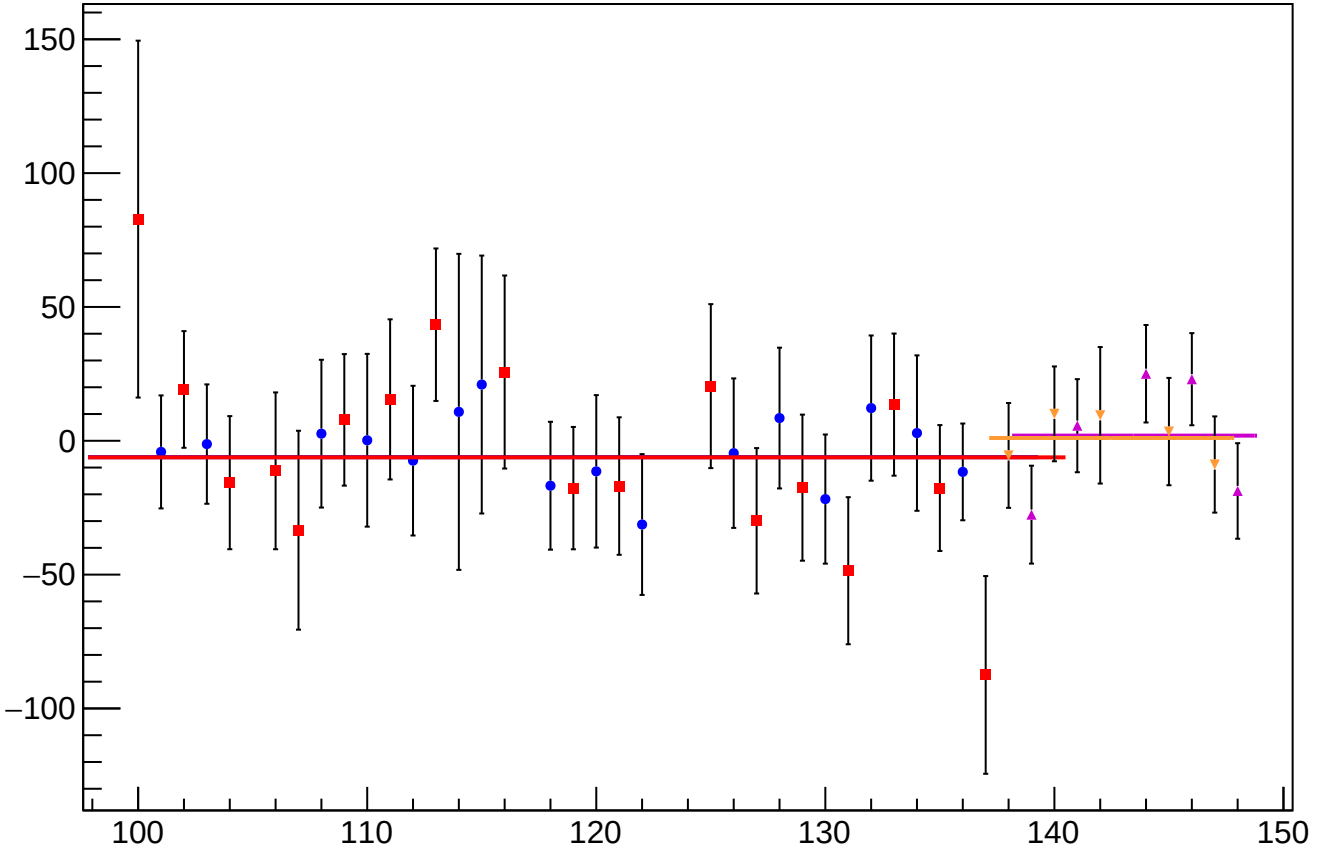
Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

+ sign 207.751+/-0.047 χ^2/NDF: 1499608.0/20

All: 197.020+/-0.031 χ^2/NDF: 3865576.2/43

- sign 188.428+/-0.042 χ^2/NDF: 2270997.2/22

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

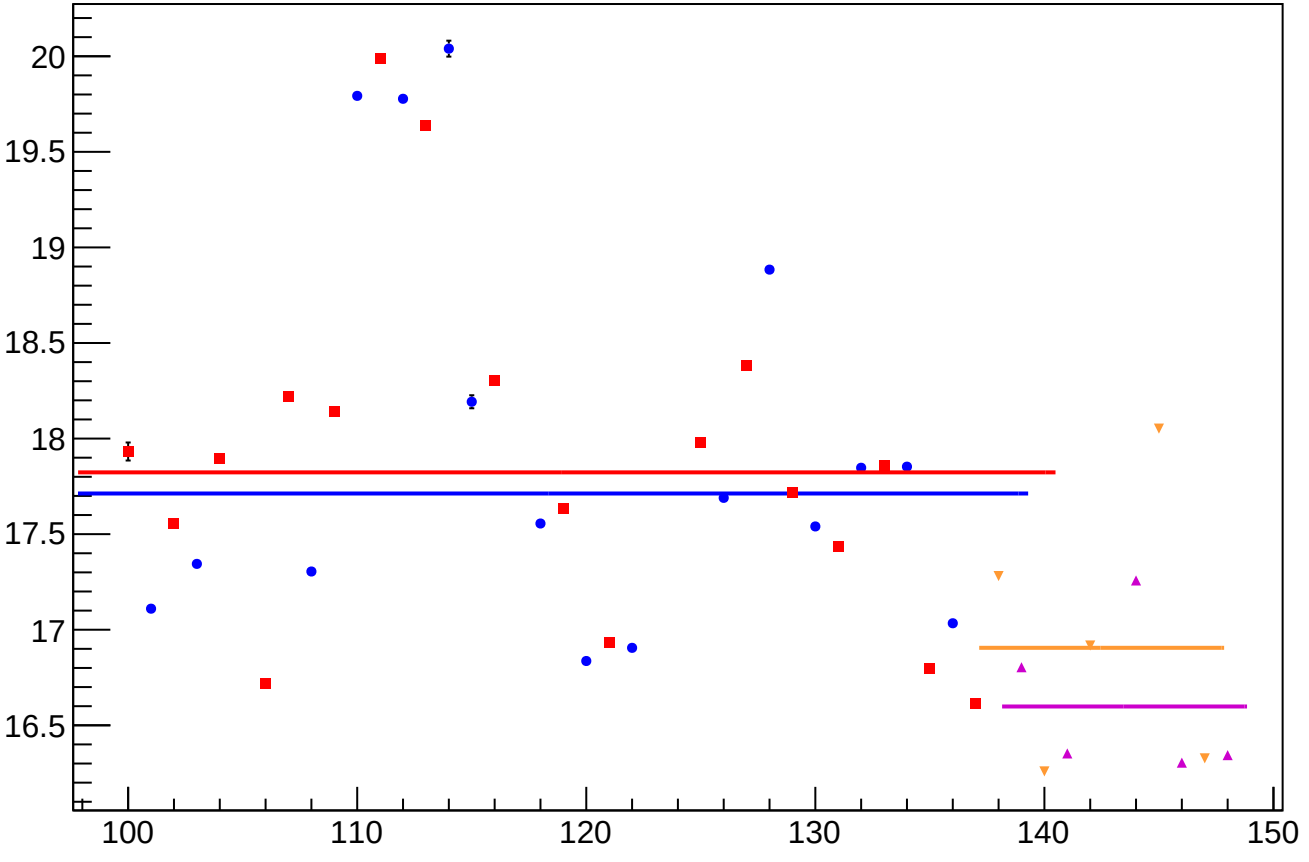
Left In: 1.928+/-7.949 χ^2/NDF:7.1/4

+ sign -3.541+/-5.276 χ^2/NDF: 4.3/20

All: -3.204+/-3.655 χ^2/NDF: 30.7/43

- sign -2.892+/-5.069 χ^2/NDF: 26.4/22

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

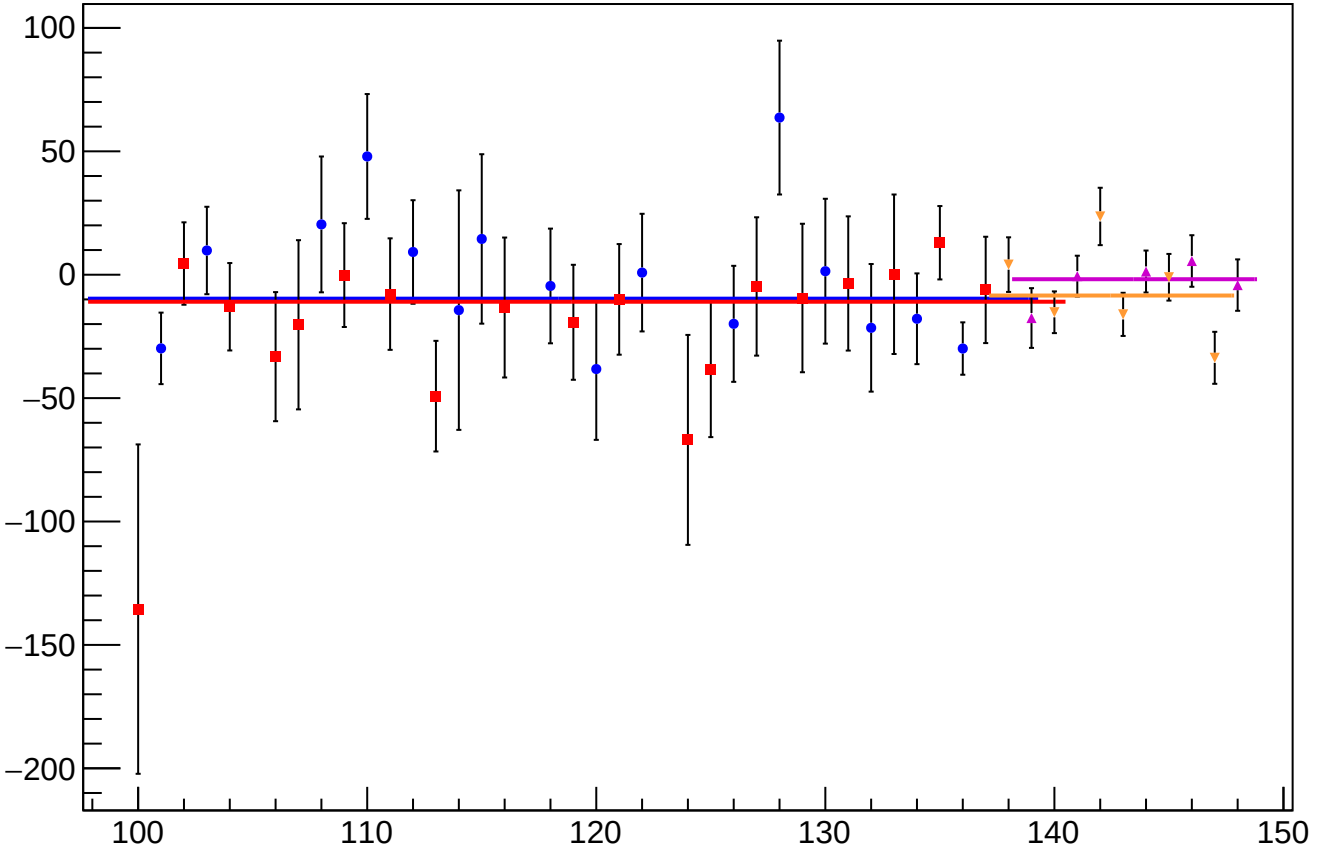
Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

+ sign 17.422+/-0.004 χ^2/NDF: 58777.1/20

All: 17.372+/-0.003 χ^2/NDF: 124067.9/43

- sign 17.325+/-0.004 χ^2/NDF: 64937.3/22

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

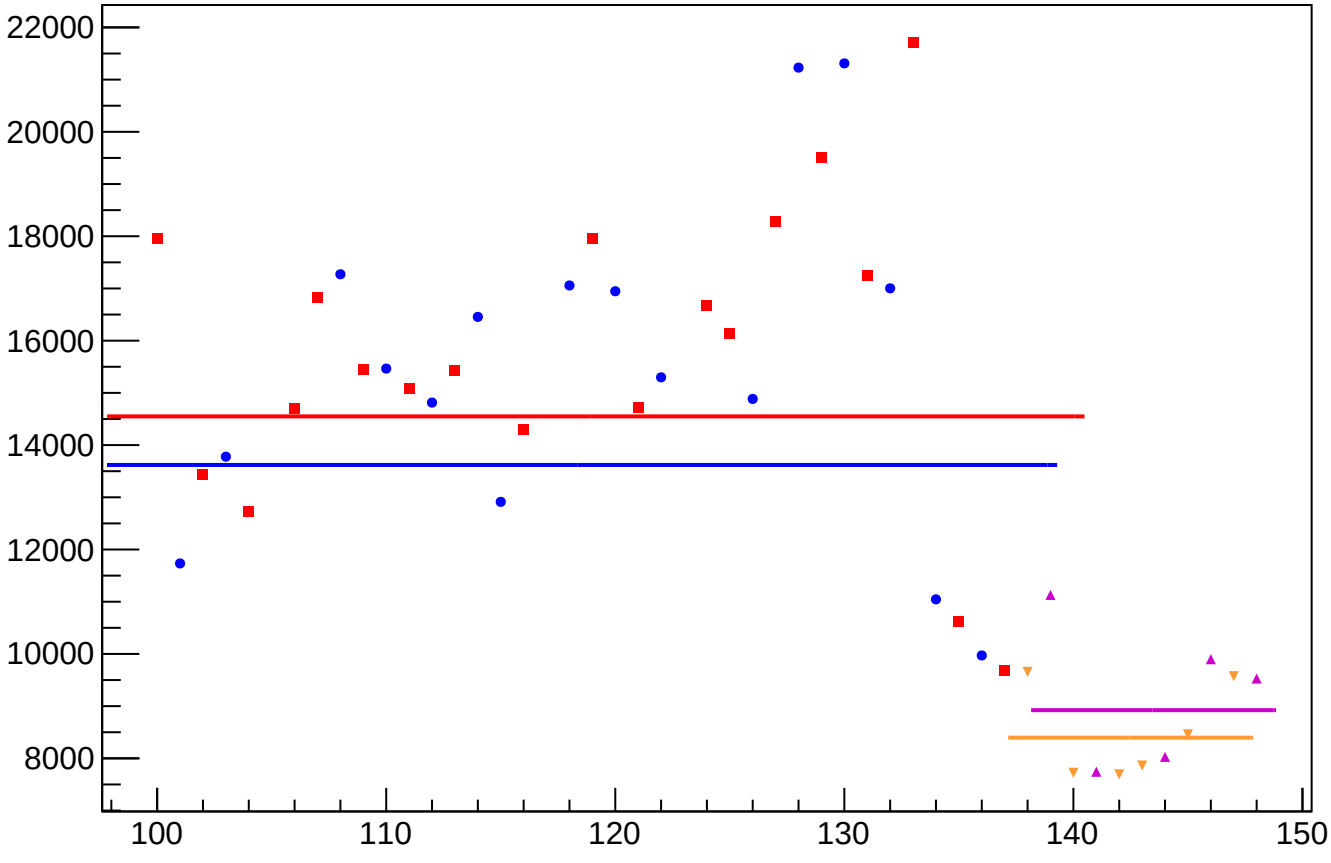
Left In: -1.821+/-4.316 χ^2/NDF:2.4/4

+ sign -8.898+/-3.172 χ^2/NDF: 38.7/21

All: -7.235+/-2.313 χ^2/NDF: 57.5/45

- sign -5.346+/-3.380 χ^2/NDF: 18.2/23

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

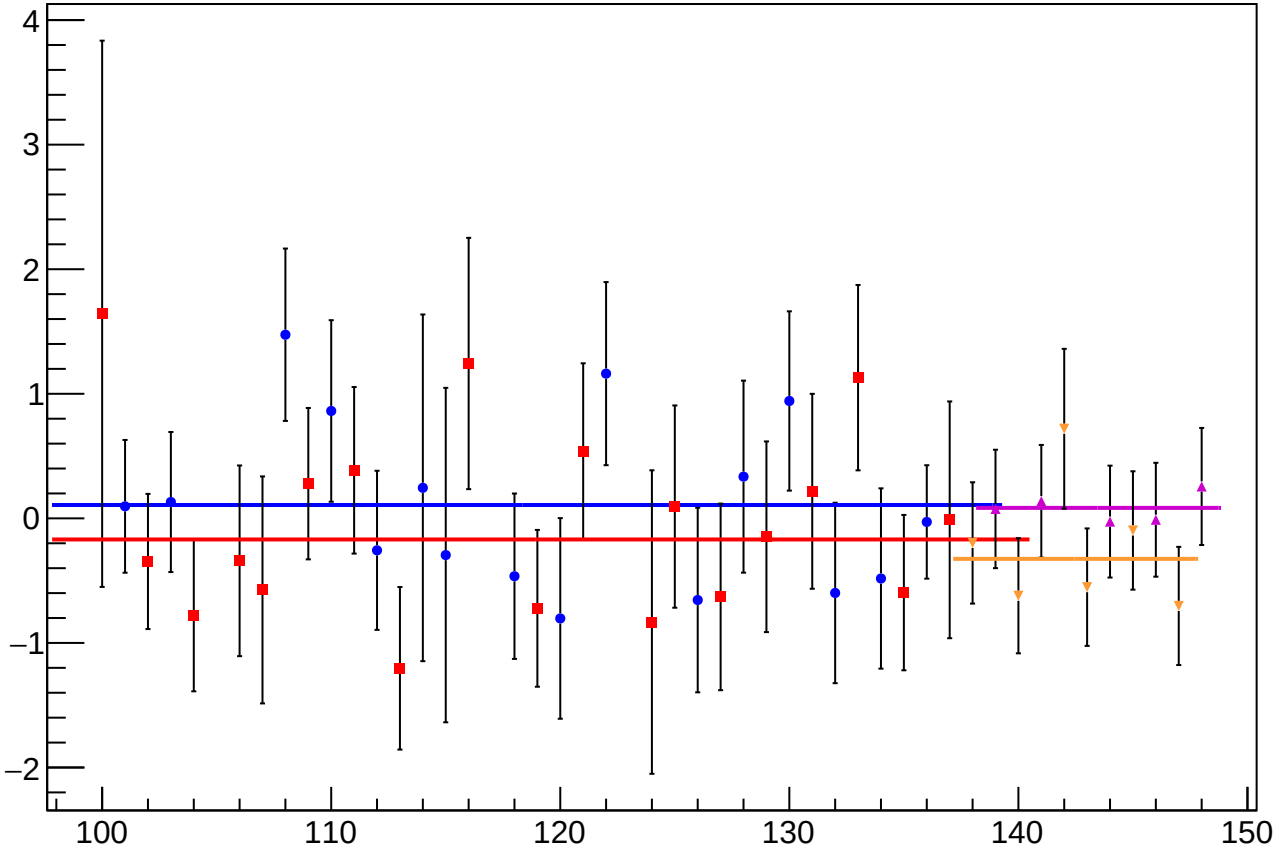
Left In: 8923.031+/-3.052 χ^2/NDF:153548.4/4

+ sign 10316.967+/-2.243 χ^2/NDF: 2086216.3/21

All: 10682.959+/-1.636 χ^2/NDF: 4166674.4/4

- sign 11098.558+/-2.390 χ^2/NDF: 2023601.9/23

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

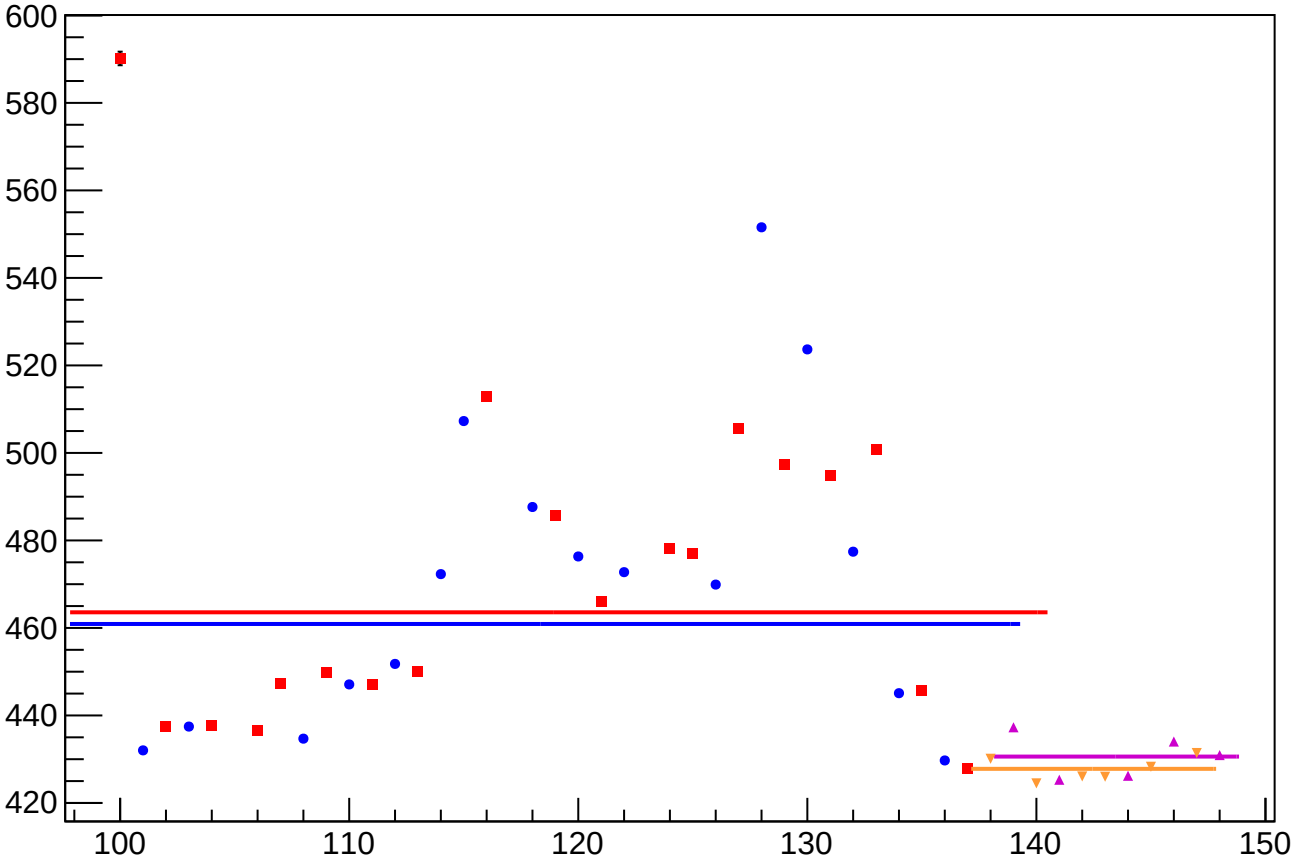
Left In: 0.084+/-0.206 χ^2/NDF:0.3/4

\+ sign -0.075+/-0.131 χ^2/NDF: 20.6/21

All: -0.071+/-0.092 χ^2/NDF: 35.8/45

\- sign -0.067+/-0.131 χ^2/NDF: 15.3/23

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

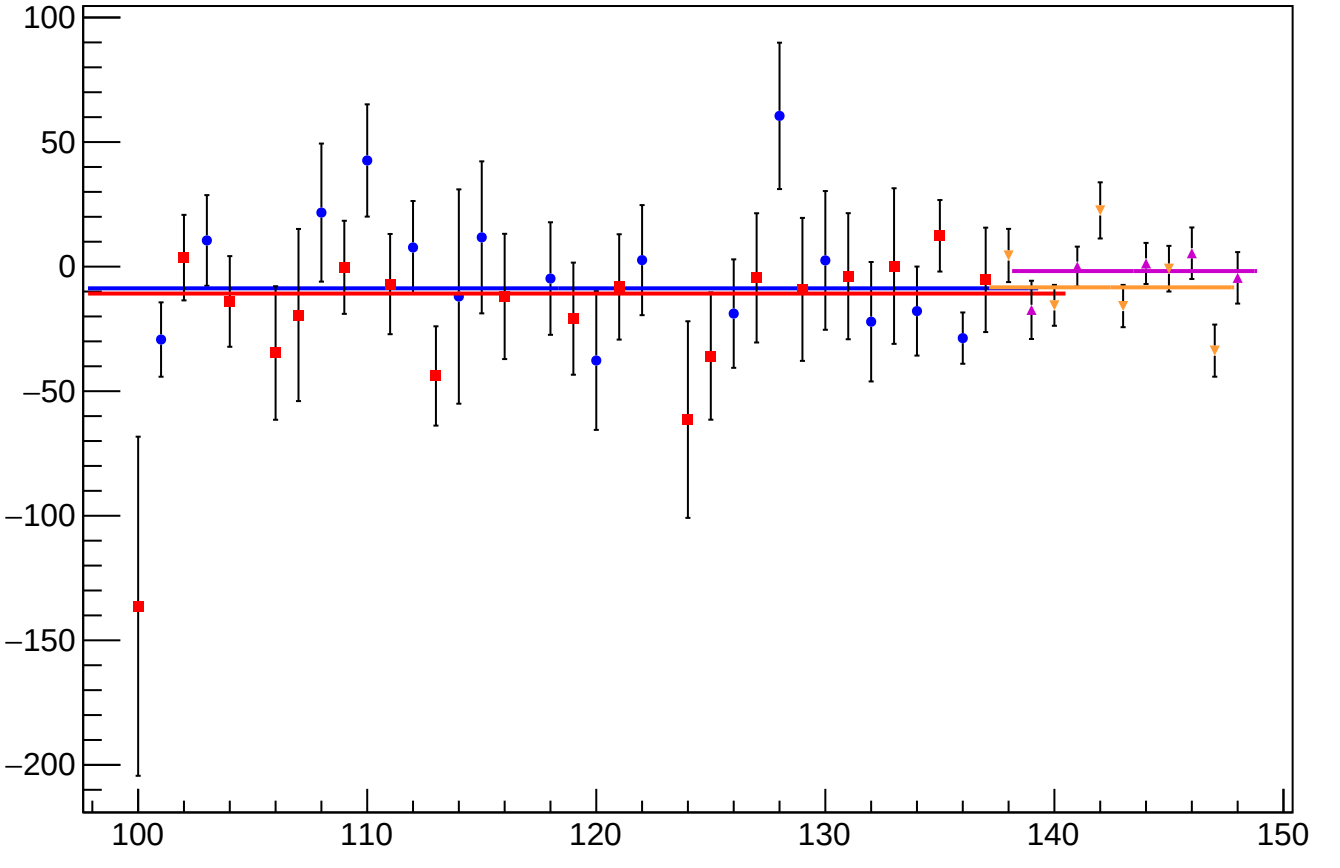
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.602+/-0.146 χ^2/NDF:976.0/4

+ sign 446.955+/-0.092 χ^2/NDF: 106573.5/21

All: 448.604+/-0.065 χ^2/NDF: 190946.4/45

- sign 450.259+/-0.093 χ^2/NDF: 83734.1/23



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.313+/-3.880 χ^2/NDF:17.1/5

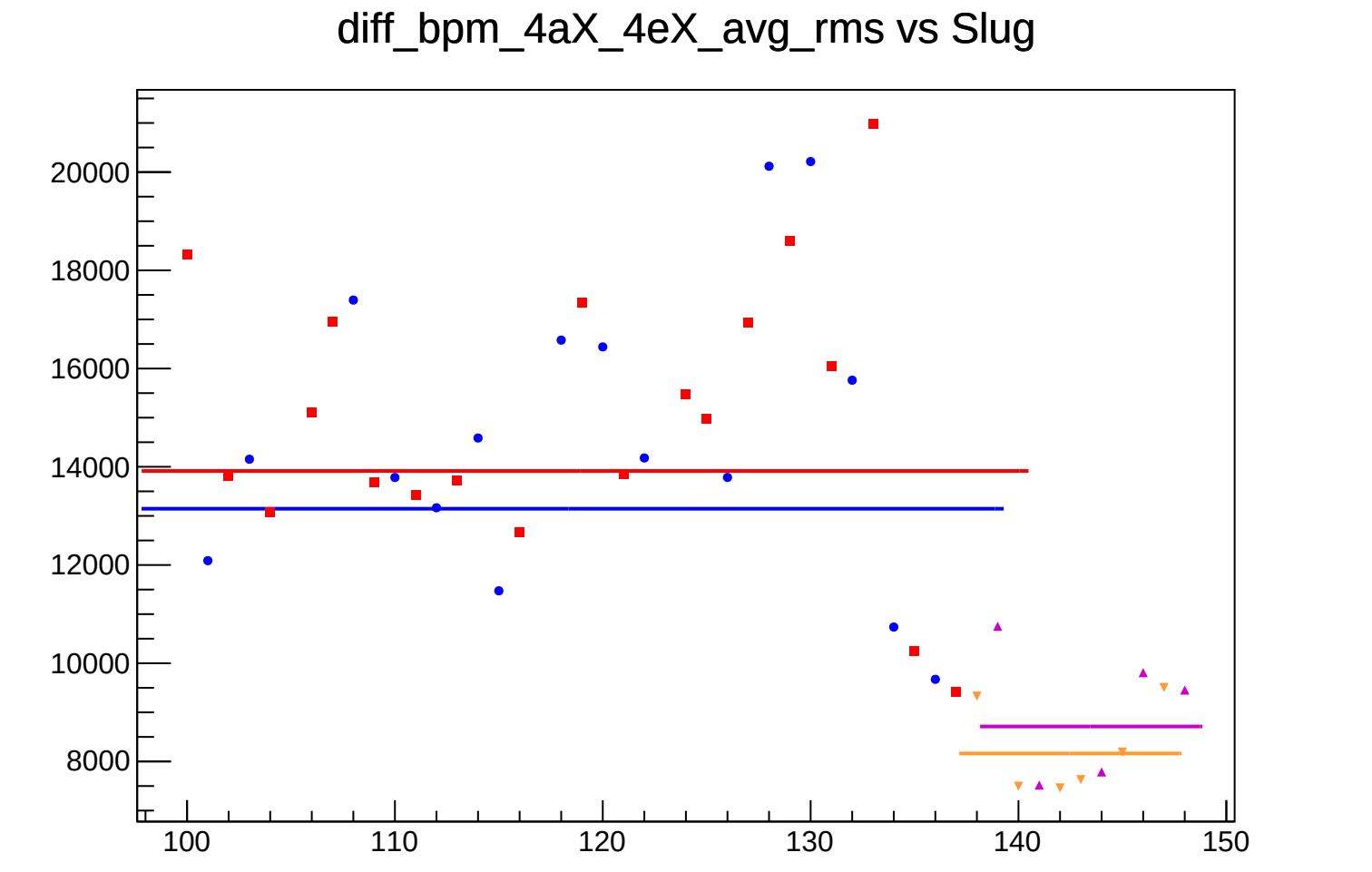
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.781+/-4.217 χ^2/NDF:2.5/4

+ sign -8.460+/-3.074 χ^2/NDF: 39.3/21

All: -7.011+/-2.241 χ^2/NDF: 58.0/45

- sign -5.368+/-3.273 χ^2/NDF: 18.2/23



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8162.338+/-2.744 χ^2/NDF:85707.6/5

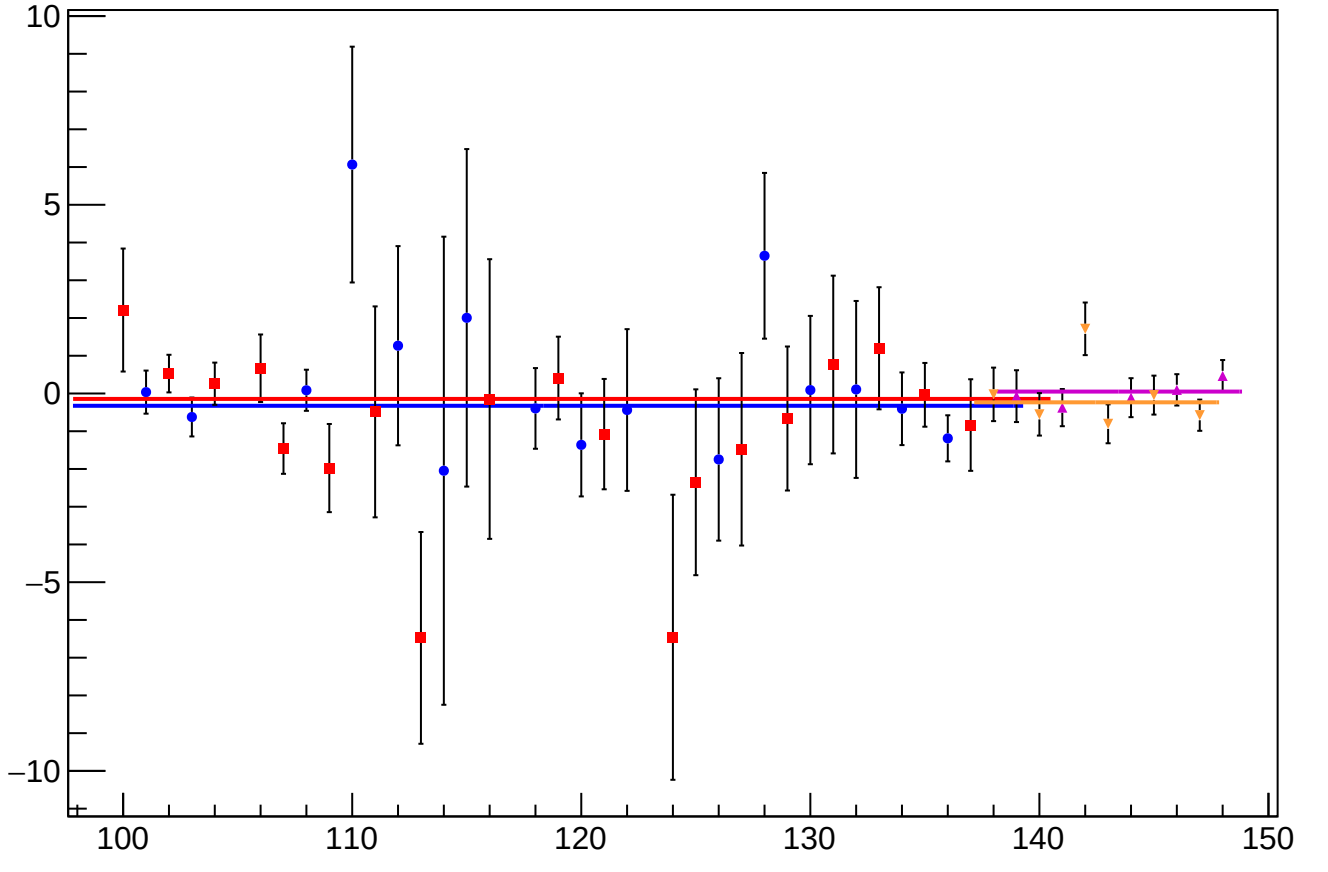
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8712.650+/-2.982 χ^2/NDF:163002.9/4

+ sign 10018.917+/-2.173 χ^2/NDF: 1997341.9/21

All: 10375.747+/-1.584 χ^2/NDF: 3938820.9/4

- sign 10780.381+/-2.314 χ^2/NDF: 1883957.0/23



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

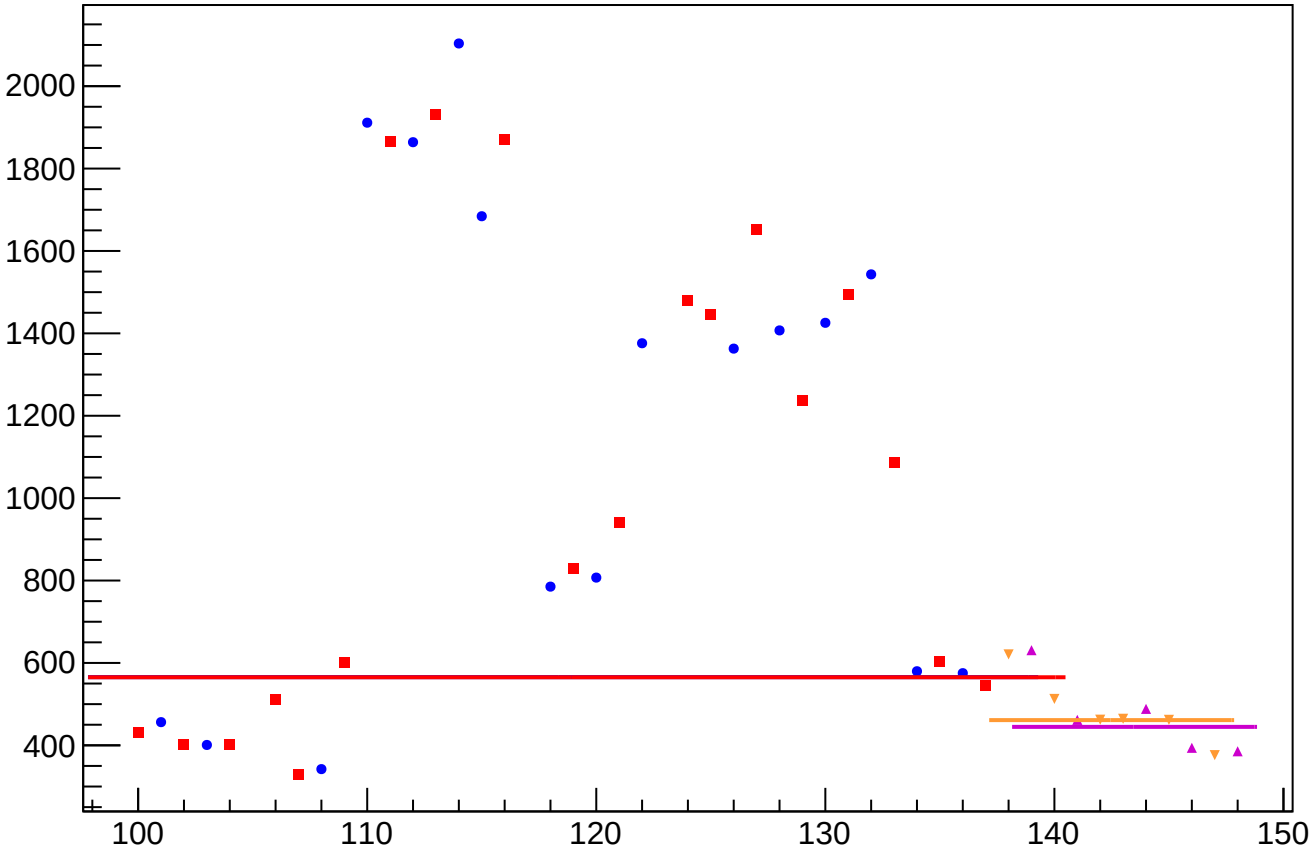
Left In: 0.050+/-0.216 χ^2/NDF:1.9/4

+ sign -0.275+/-0.164 χ^2/NDF: 22.9/21

All: -0.154+/-0.115 χ^2/NDF: 48.7/45

- sign -0.035+/-0.162 χ^2/NDF: 24.7/23

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

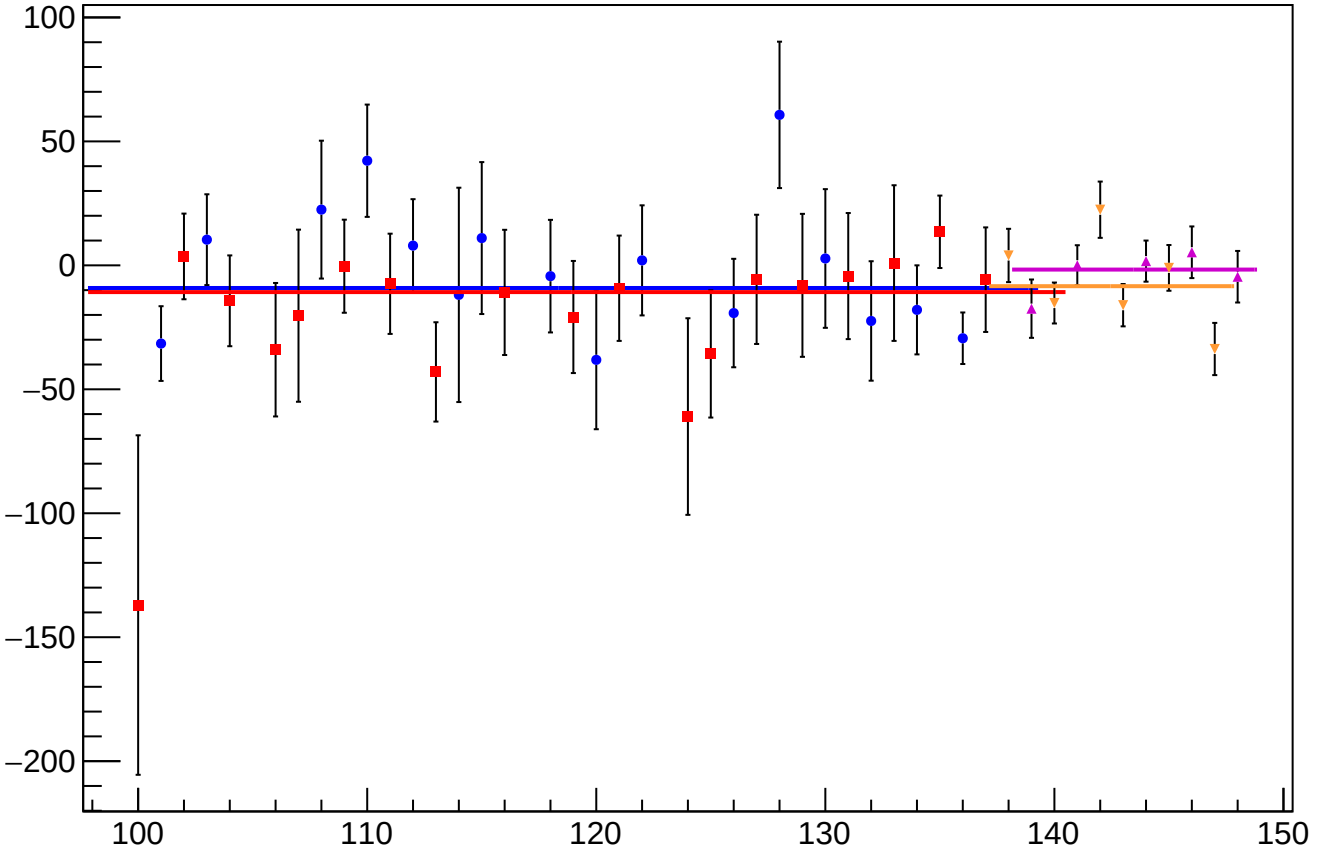
Left In: 444.807+/-0.153 χ^2/NDF:233221.4/4

+ sign 508.073+/-0.116 χ^2/NDF: 3854311.9/21

All: 502.789+/-0.081 χ^2/NDF: 7935917.0/45

- sign 497.621+/-0.114 χ^2/NDF: 4077480.1/23

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

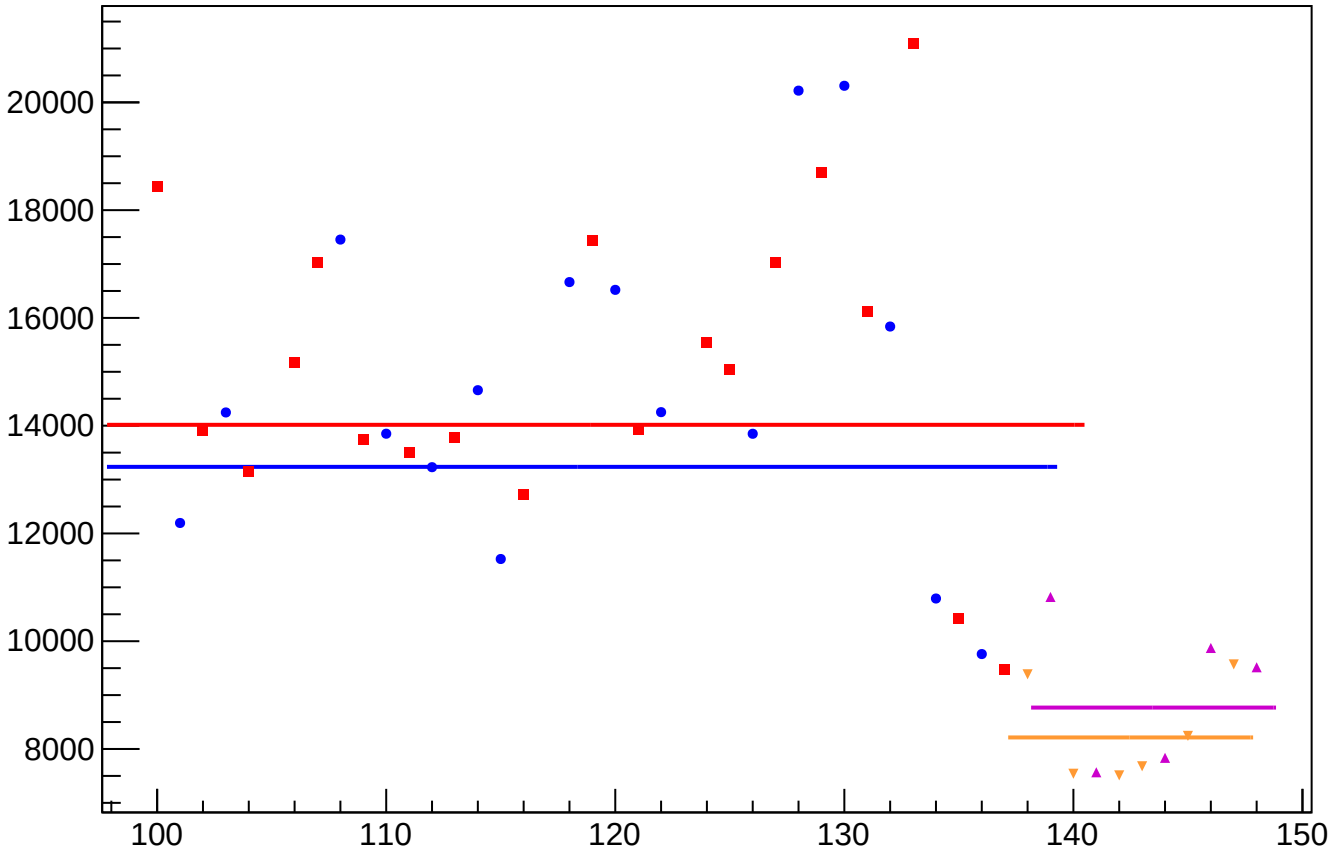
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.705+/-4.244 χ^2/NDF:2.5/4

+ sign -8.675+/-3.093 χ^2/NDF: 39.4/21

All: -7.100+/-2.255 χ^2/NDF: 58.0/45

- sign -5.313+/-3.295 χ^2/NDF: 18.1/23



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8214.066+/-2.761 χ^2/NDF:85795.4/5

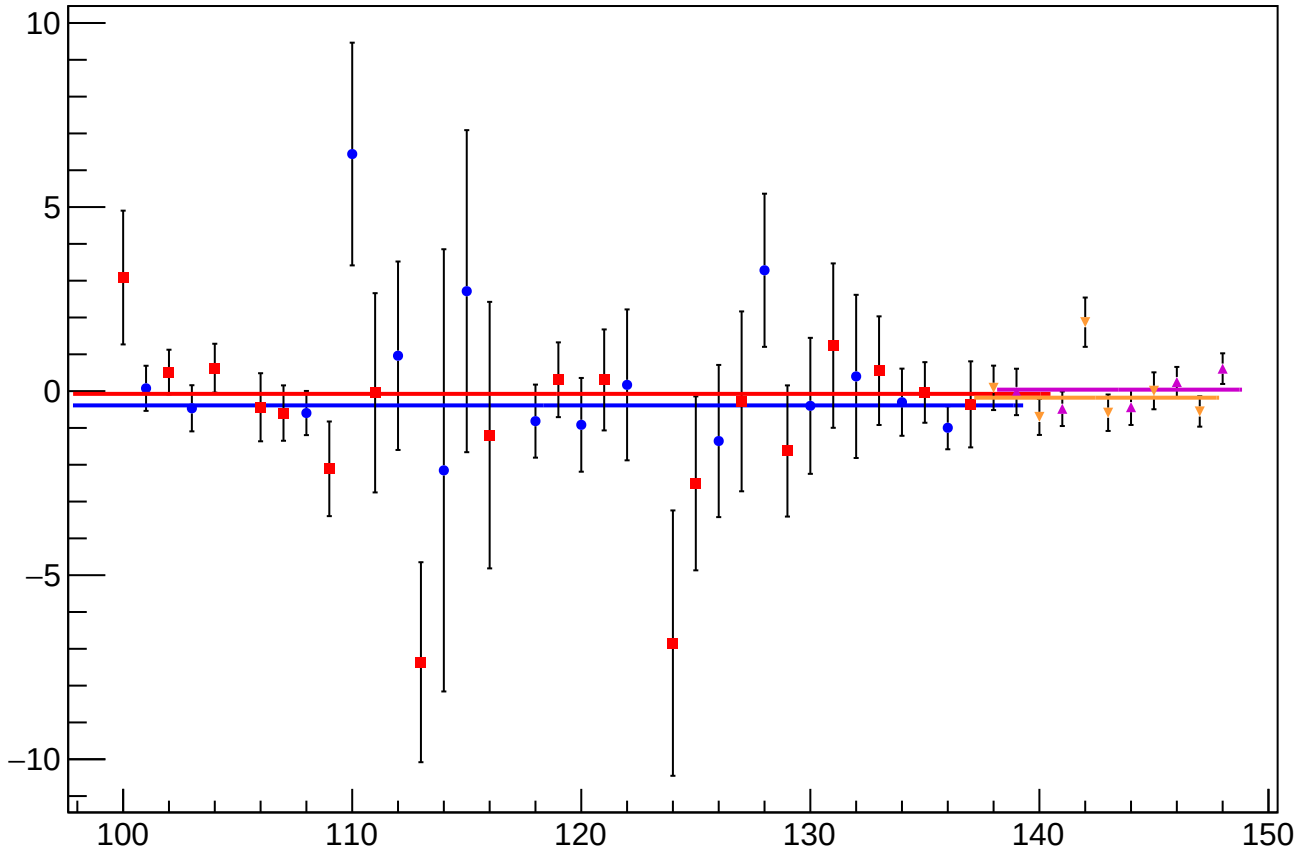
Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8768.272+/-3.001 χ^2/NDF:163240.2/4

+ sign 10084.180+/-2.187 χ^2/NDF: 1991469.2/21

All: 10444.343+/-1.595 χ^2/NDF: 3926093.6/4

- sign 10852.870+/-2.330 χ^2/NDF: 1876764.2/23



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

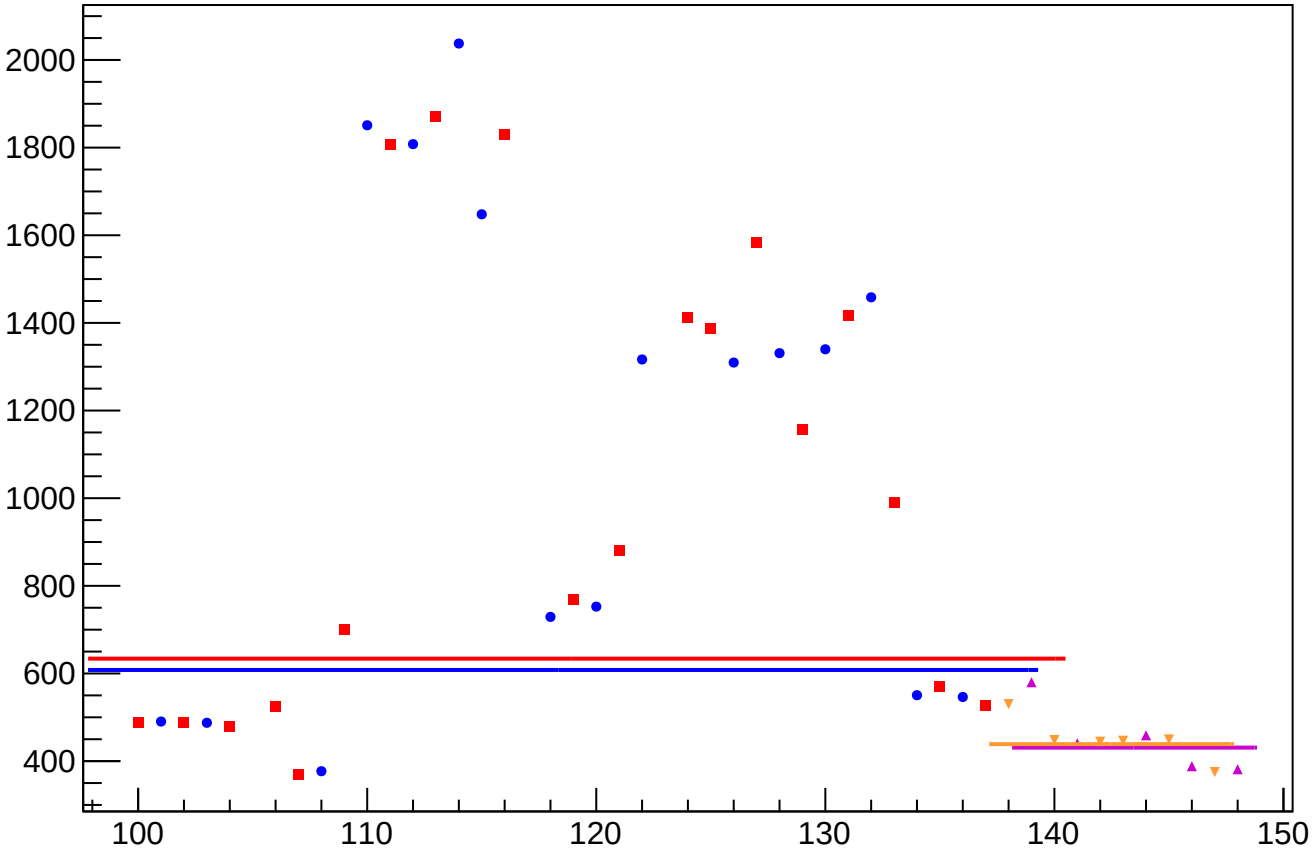
Left In: 0.040+/-0.208 χ^2/NDF:4.3/4

+ sign -0.262+/-0.161 χ^2/NDF: 24.4/21

All: -0.135+/-0.115 χ^2/NDF: 51.8/45

- sign -0.004+/-0.164 χ^2/NDF: 26.1/23

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

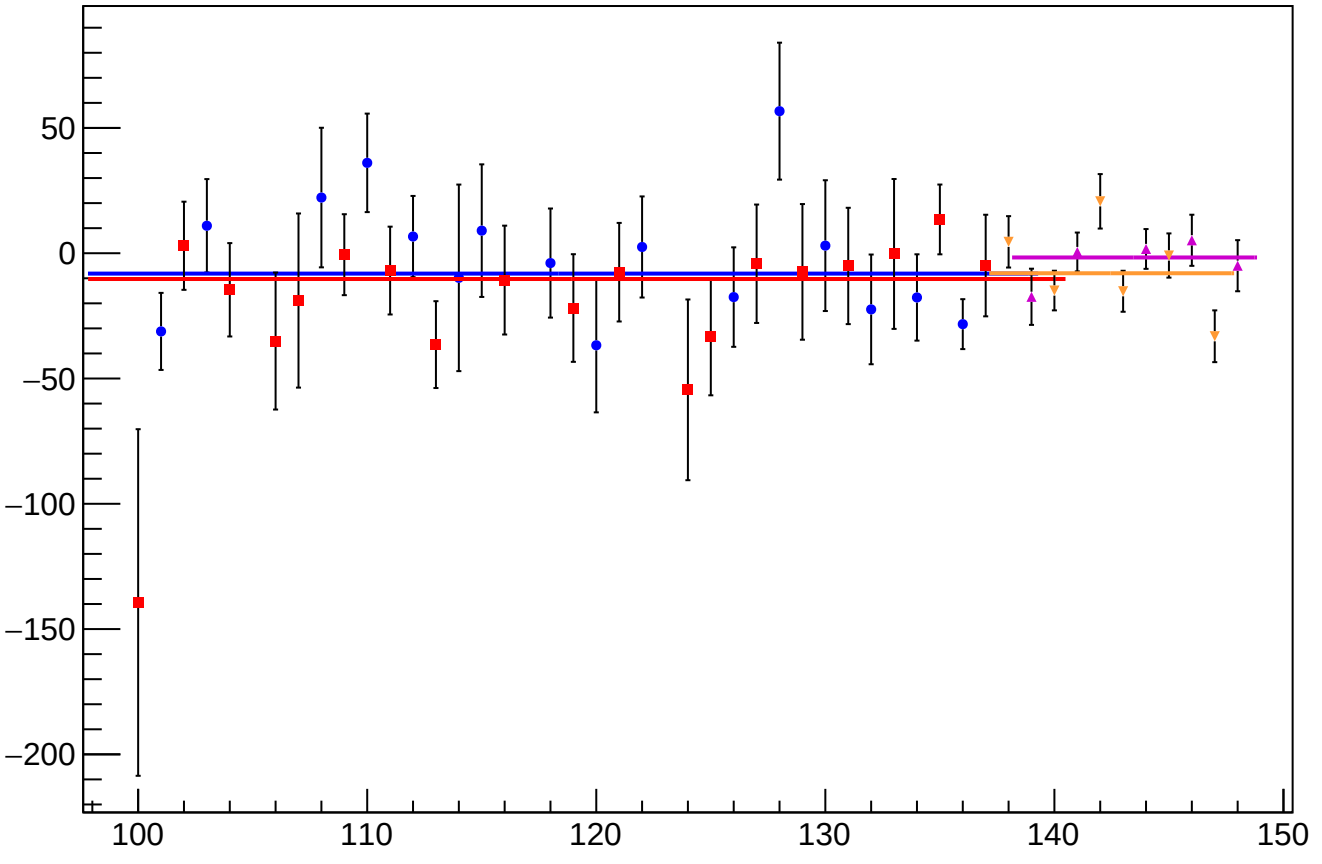
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 430.888+/-0.147 χ^2/NDF:169185.1/4

+ sign 506.270+/-0.114 χ^2/NDF: 3475563.6/21

All: 507.392+/-0.081 χ^2/NDF: 7160635.6/45

- sign 508.545+/-0.116 χ^2/NDF: 3684876.1/23



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

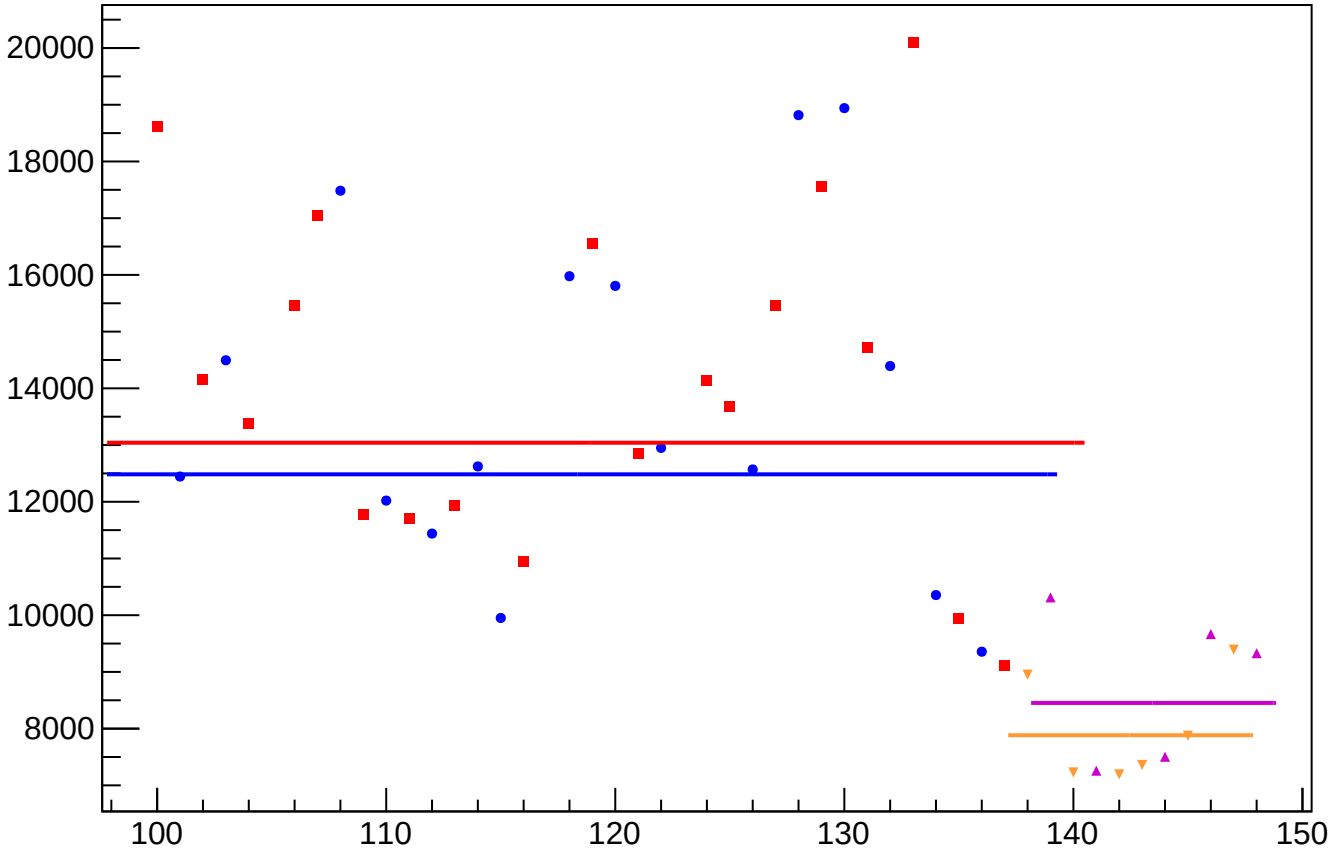
Left In: -1.694+/-4.094 χ^2/NDF:2.8/4

+ sign -8.046+/-2.950 χ^2/NDF: 39.7/21

All: -6.732+/-2.148 χ^2/NDF: 58.4/45

- sign -5.249+/-3.135 χ^2/NDF: 18.3/23

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7883.966+/-2.652 χ^2/NDF:94271.4/5

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

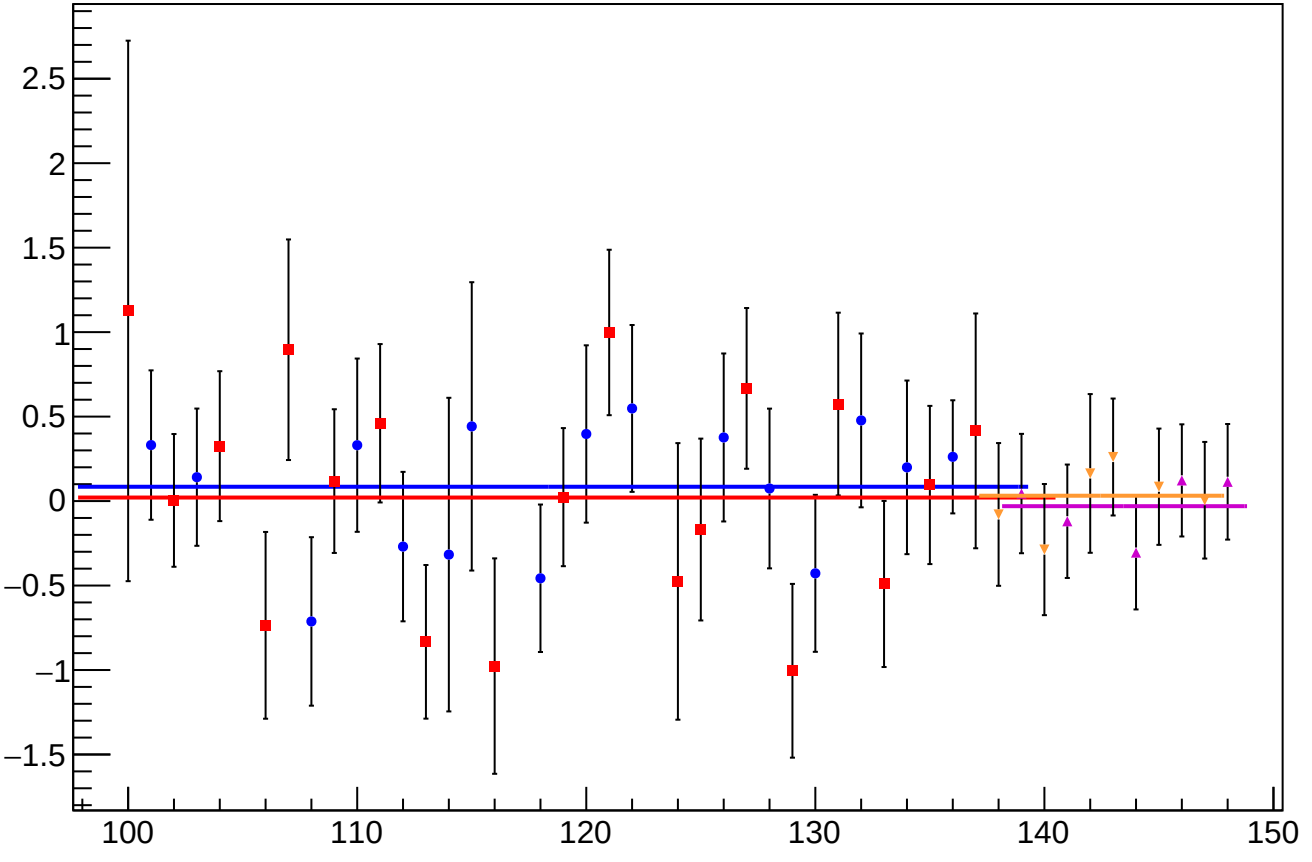
Left In: 8453.151+/-2.895 χ^2/NDF:174249.2/4

+ sign 9637.158+/-2.086 χ^2/NDF: 1912540.5/21

All: 9972.600+/-1.519 χ^2/NDF: 3725643.7/45

- sign 10351.214+/-2.216 χ^2/NDF: 1758070.9/23

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

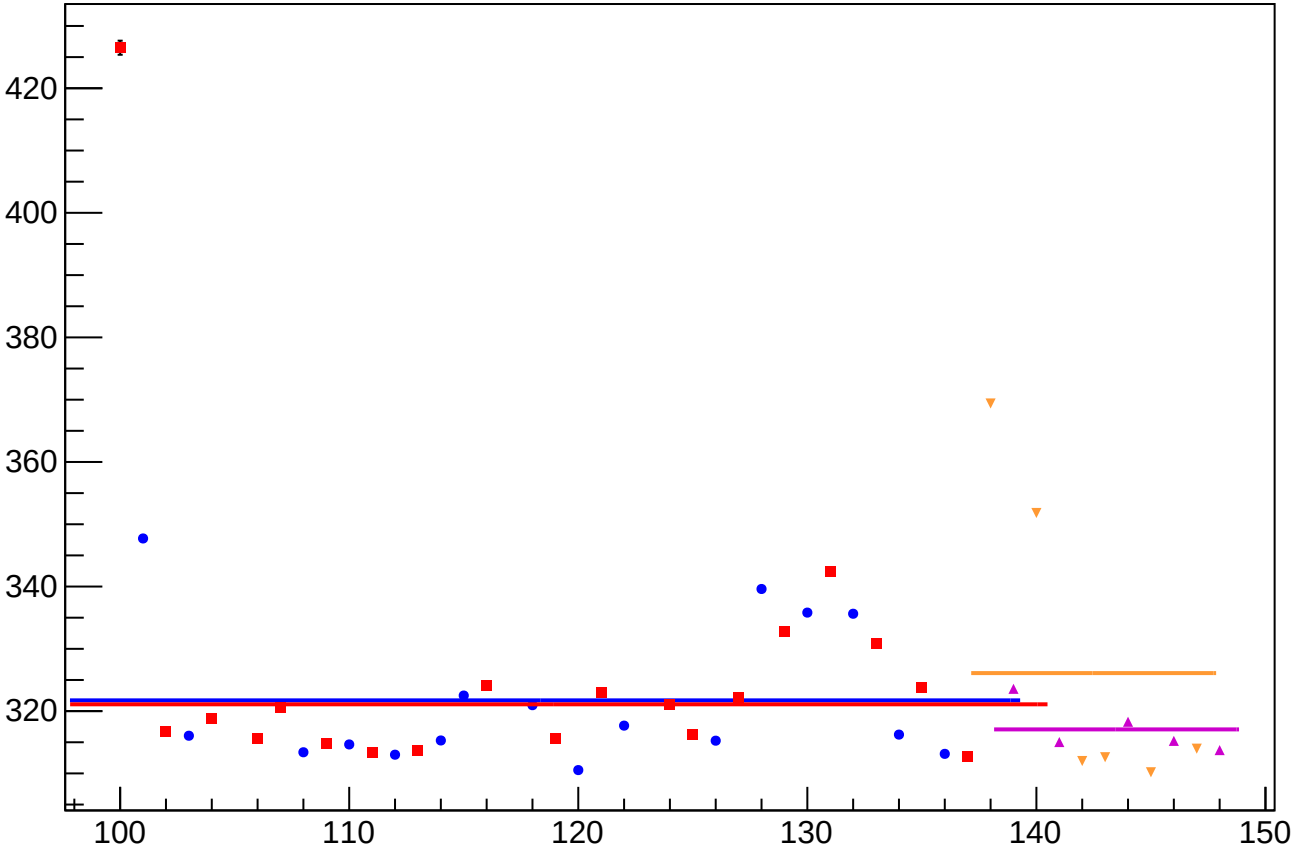
Left In: -0.030+/-0.152 χ^2/NDF:1.2/4

+ sign 0.065+/-0.095 χ^2/NDF: 10.7/21

All: 0.033+/-0.066 χ^2/NDF: 36.5/45

- sign 0.002+/-0.093 χ^2/NDF: 25.5/23

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

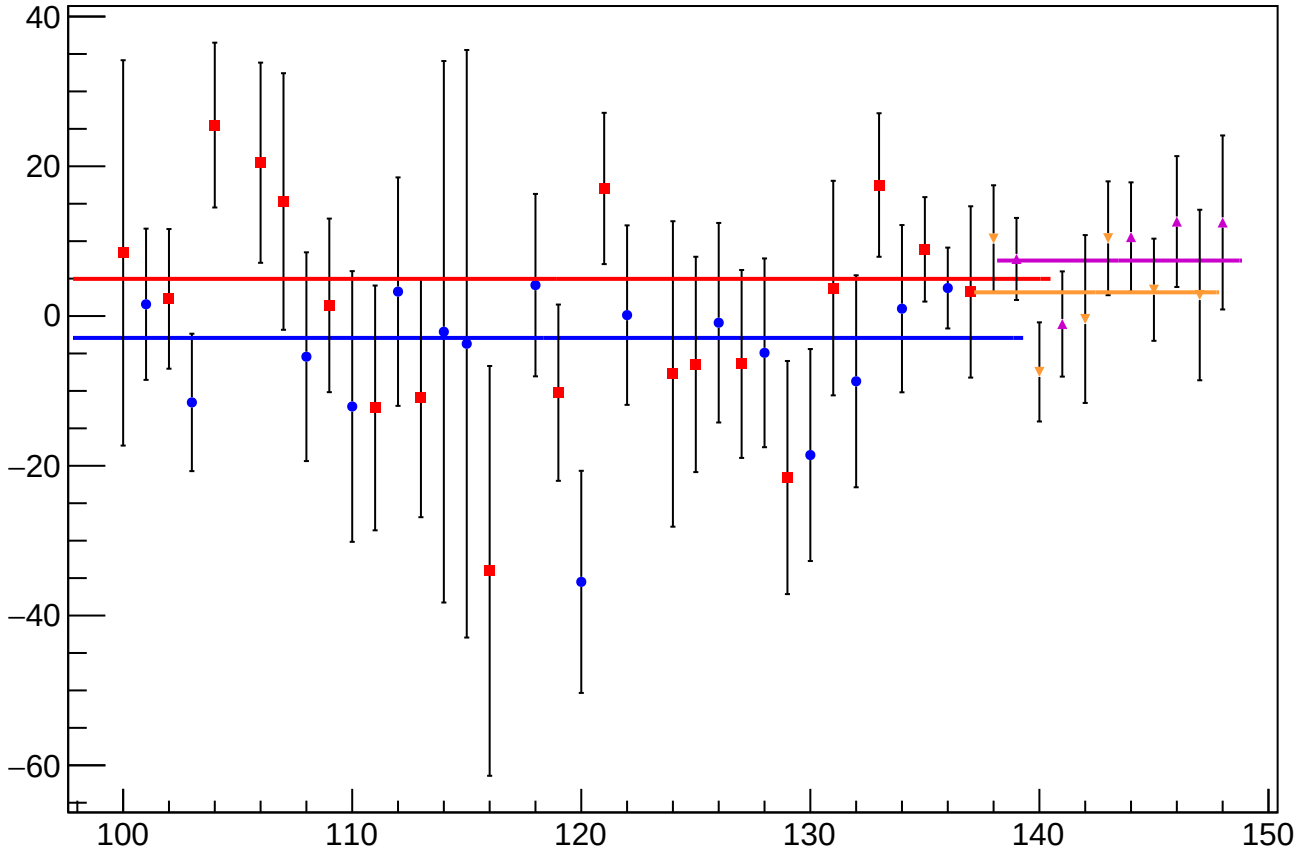
Left In: 317.065+/-0.107 χ^2/NDF:1030.5/4

+ sign 323.379+/-0.067 χ^2/NDF: 60589.4/21

All: 321.444+/-0.047 χ^2/NDF: 80711.9/45

- sign 319.585+/-0.066 χ^2/NDF: 18489.5/23

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

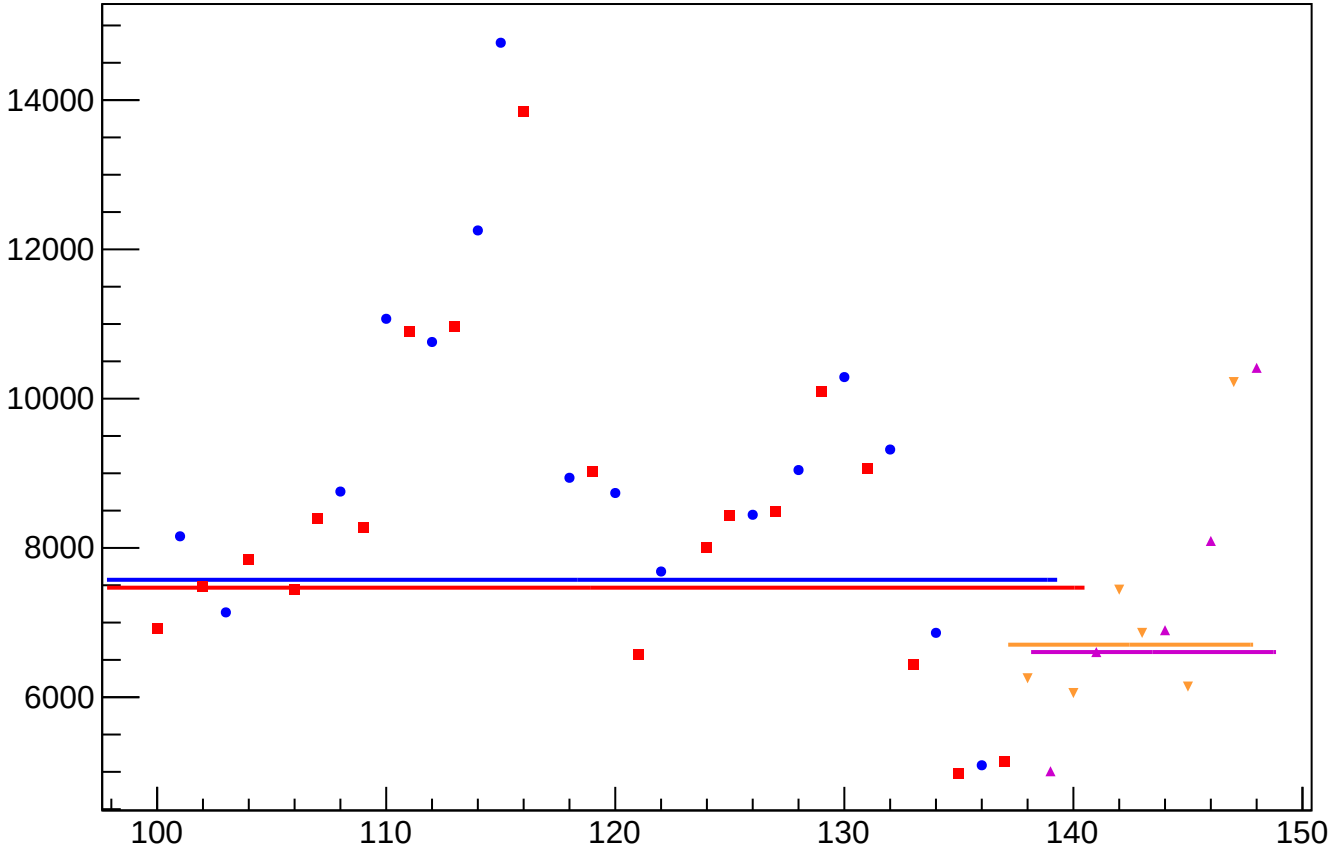
Left In: 7.412+/-3.283 χ^2/NDF:2.2/4

+ sign -0.175+/-2.156 χ^2/NDF: 16.4/21

All: 2.937+/-1.519 χ^2/NDF: 42.5/45

- sign 6.006+/-2.141 χ^2/NDF: 21.9/23

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

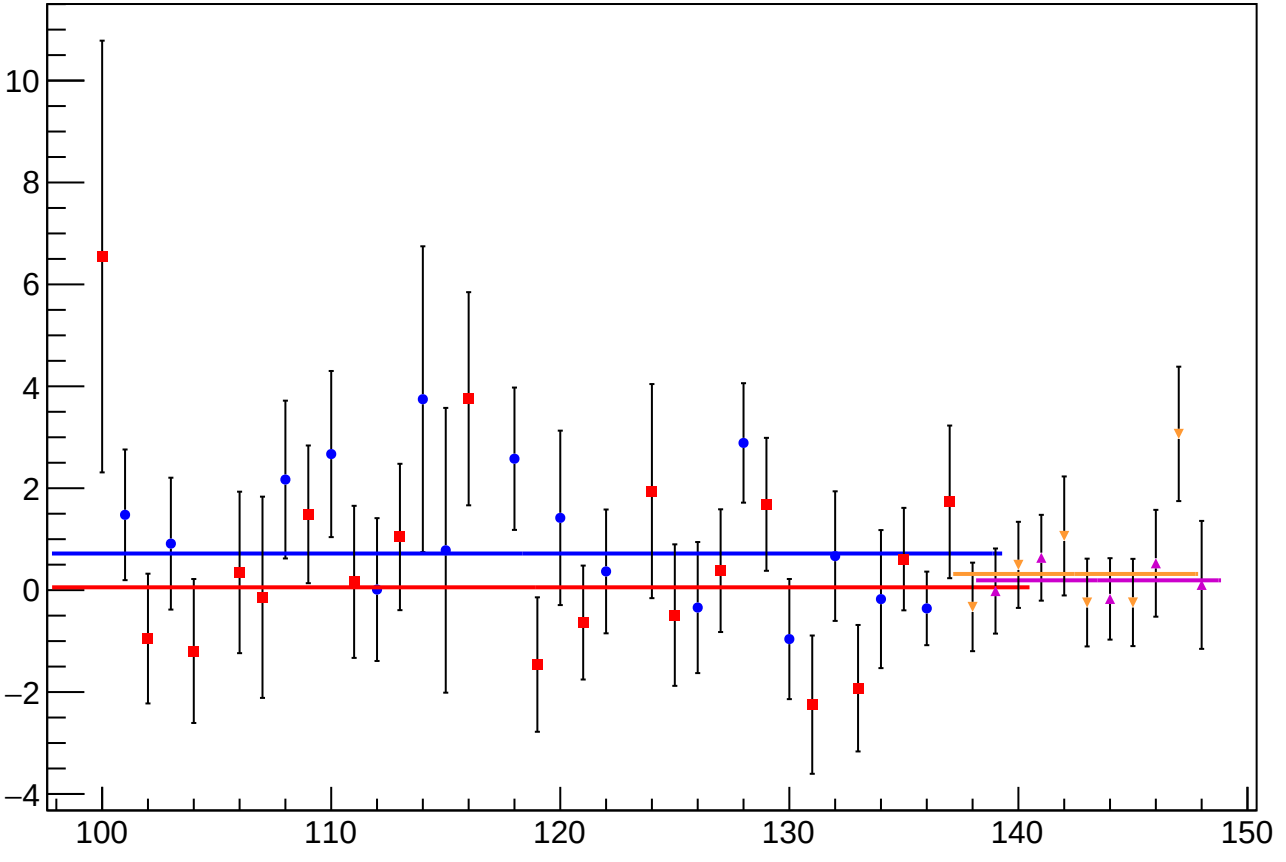
Left In: 6604.994+/-2.321 χ^2/NDF:445892.6/4

+ sign 7181.066+/-1.525 χ^2/NDF: 1219198.6/21

All: 7140.583+/-1.074 χ^2/NDF: 2574183.1/45

- sign 7100.680+/-1.514 χ^2/NDF: 1353584.8/23

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

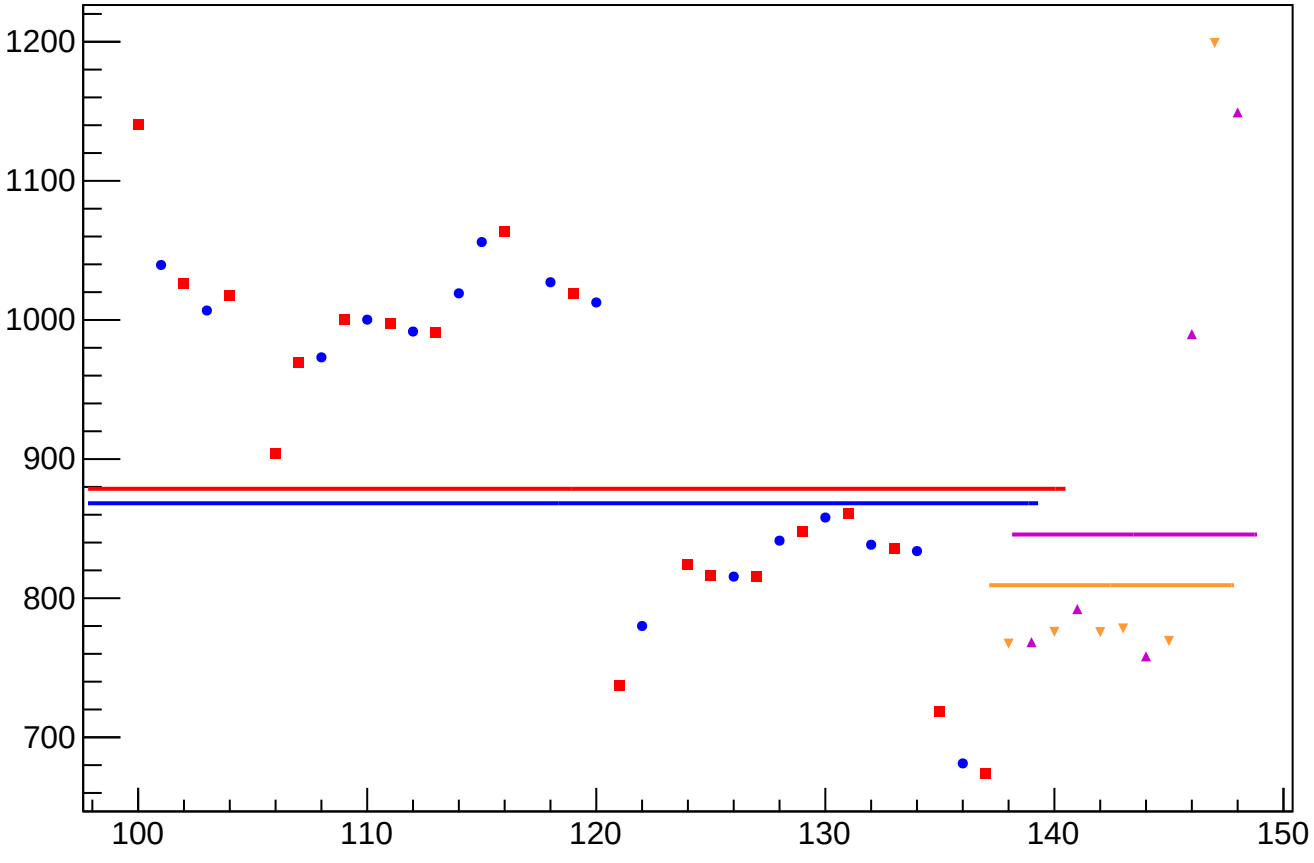
Left In: 0.193+/-0.410 χ^2/NDF:0.7/4

+ sign 0.551+/-0.249 χ^2/NDF: 21.6/21

All: 0.334+/-0.178 χ^2/NDF: 43.7/45

- sign 0.108+/-0.254 χ^2/NDF: 20.5/23

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

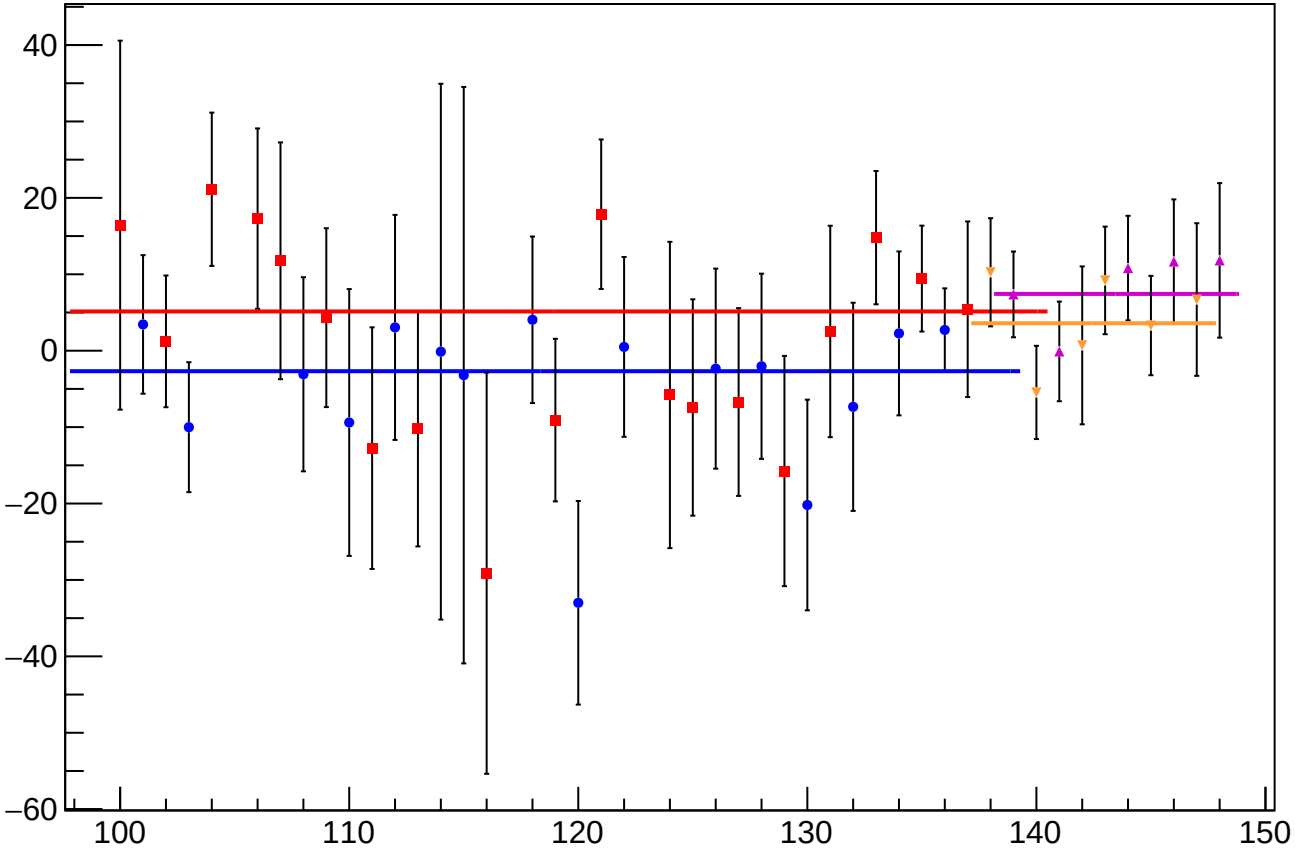
Left In: 845.784+/-0.290 χ^2/NDF:203847.9/4

+ sign 843.664+/-0.176 χ^2/NDF: 520850.6/21

All: 854.627+/-0.126 χ^2/NDF: 1013091.0/45

- sign 866.044+/-0.179 χ^2/NDF: 484310.3/23

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

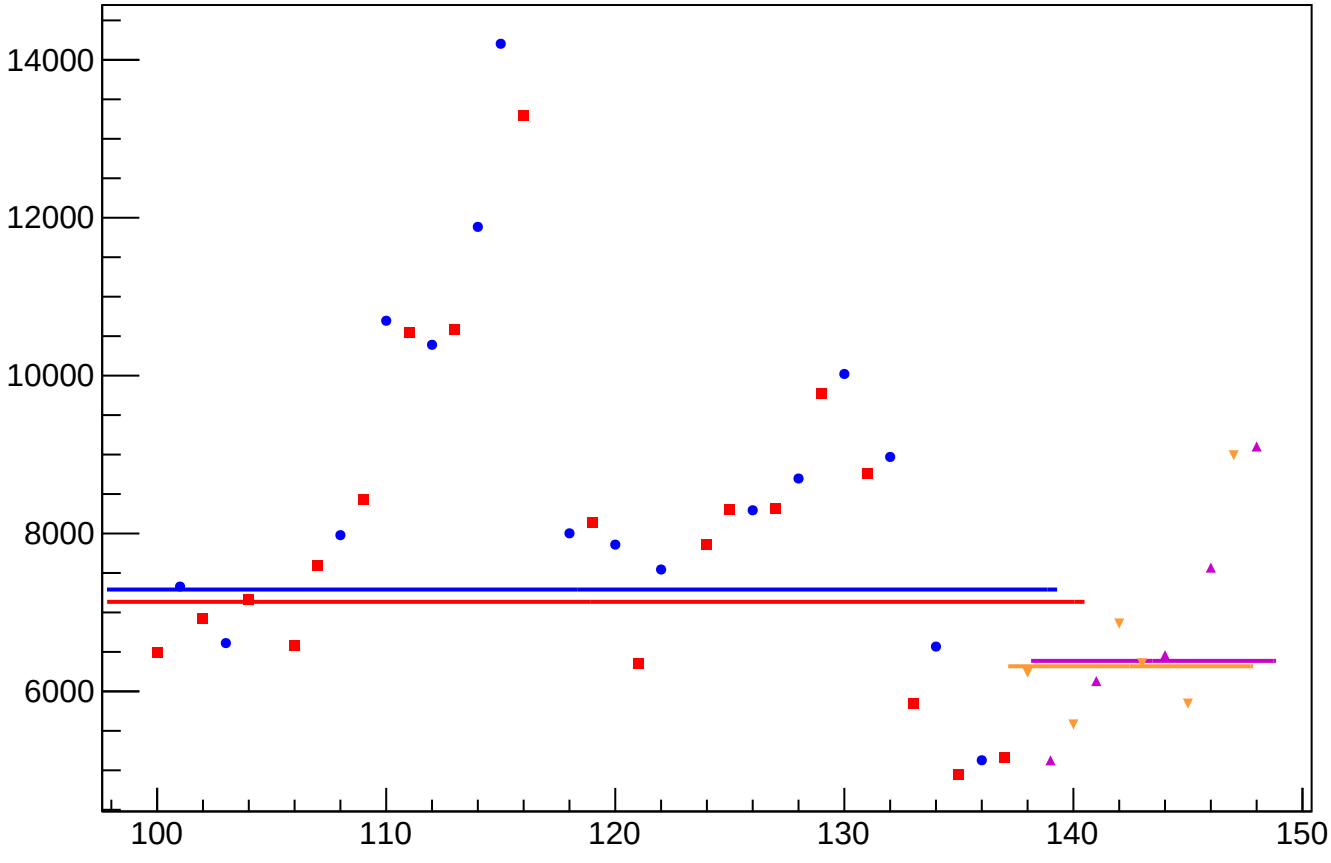
Left In: 7.433+/-3.138 χ^2/NDF:2.0/4

+ sign 0.210+/-2.047 χ^2/NDF: 16.3/21

All: 3.165+/-1.446 χ^2/NDF: 40.1/45

- sign 6.110+/-2.043 χ^2/NDF: 19.6/23

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

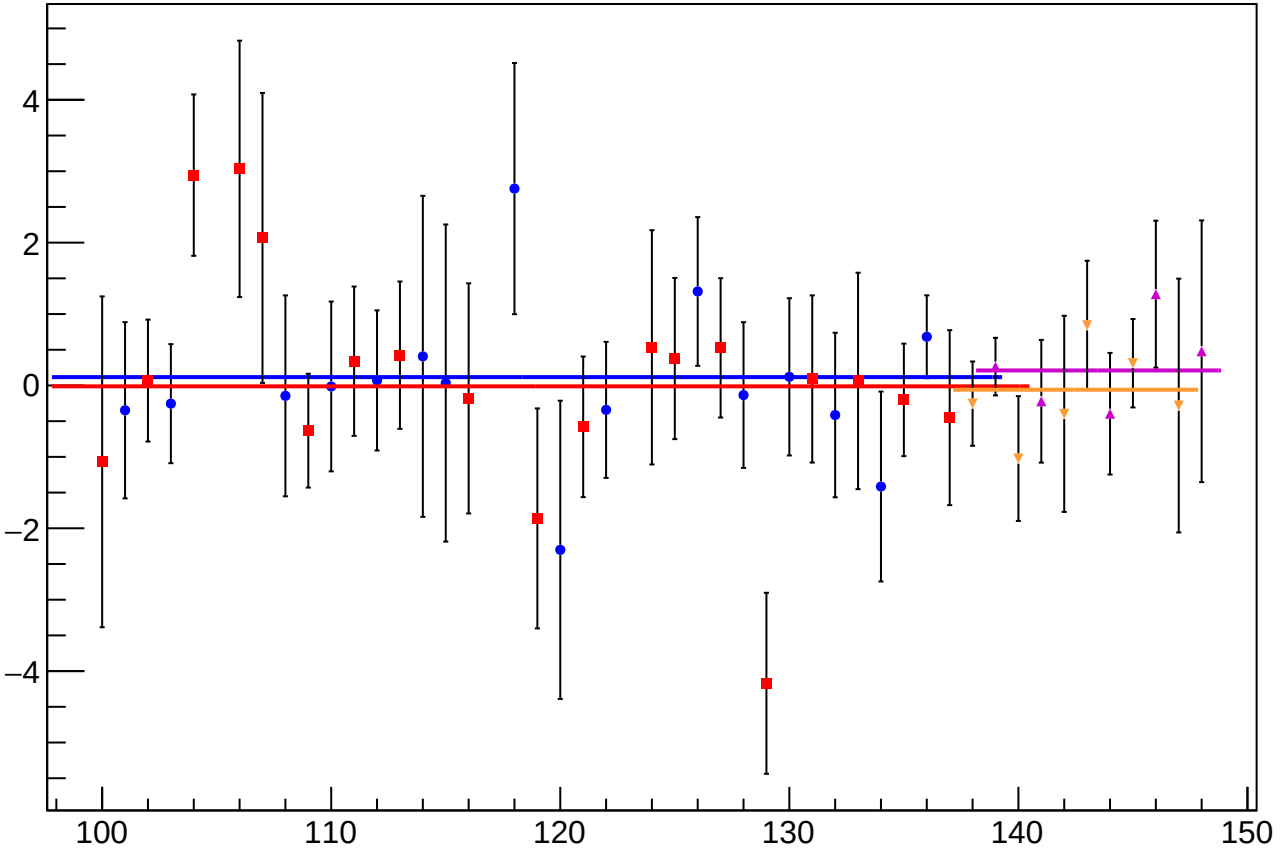
Left In: 6386.568+/-2.219 χ^2/NDF:290500.2/4

+ sign 6841.907+/-1.447 χ^2/NDF: 1071537.0/21

All: 6829.649+/-1.022 χ^2/NDF: 2220394.3/45

- sign 6817.431+/-1.445 χ^2/NDF: 1148714.1/23

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

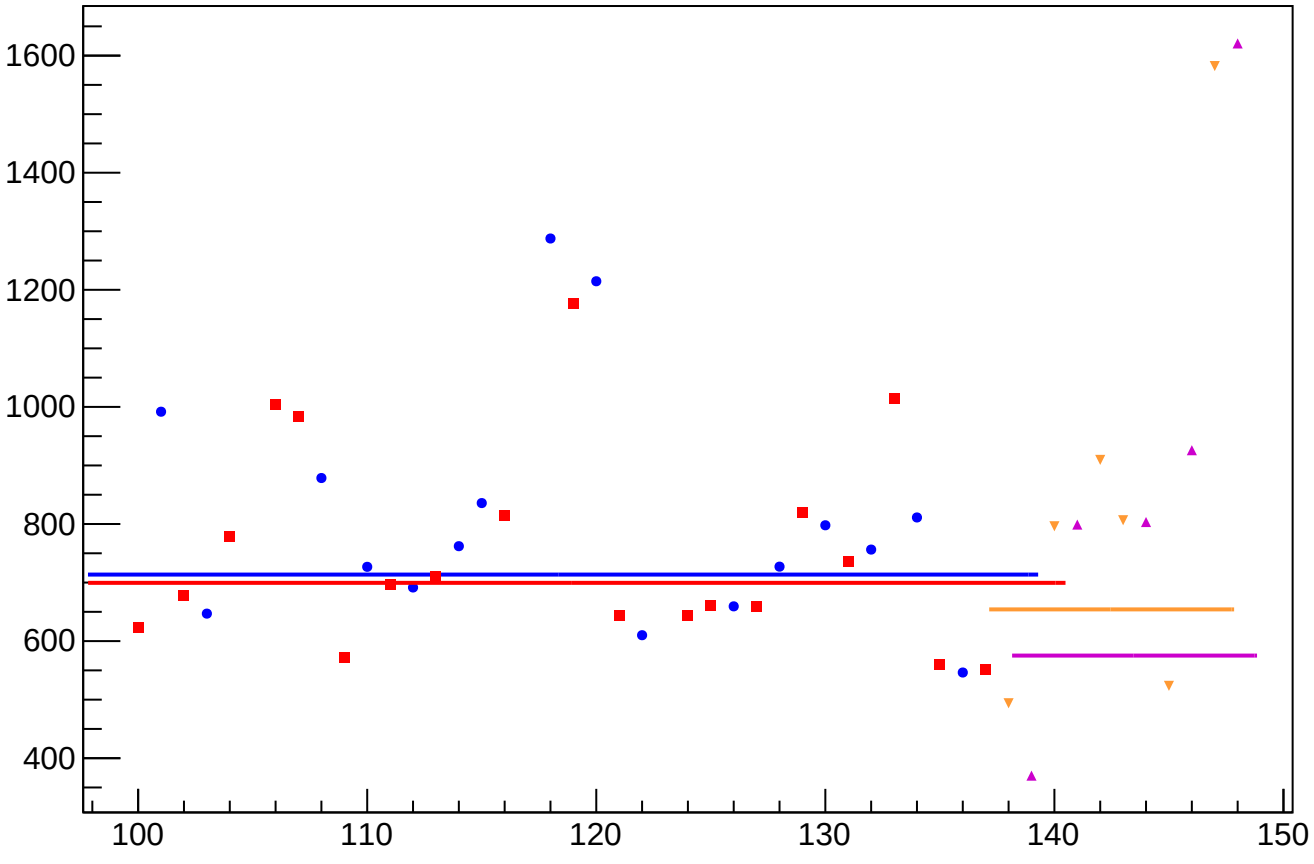
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.210+/-0.314 χ^2/NDF:1.9/4

+ sign 0.047+/-0.212 χ^2/NDF: 11.0/21

All: 0.064+/-0.146 χ^2/NDF: 38.4/45

- sign 0.080+/-0.202 χ^2/NDF: 27.3/23



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

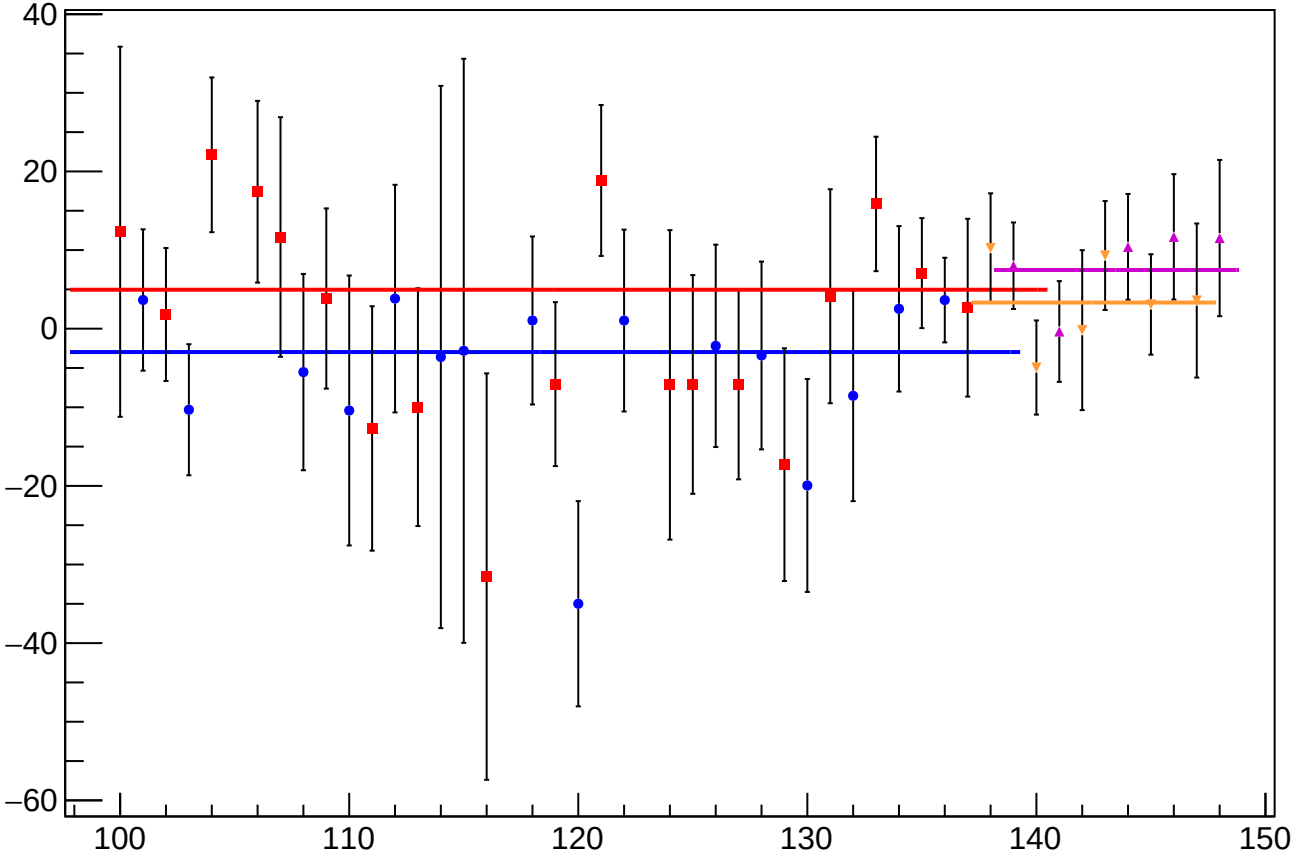
Left In: 575.273+/-0.222 χ^2/NDF:1680035.8/4

+ sign 689.951+/-0.150 χ^2/NDF: 1697853.8/21

All: 668.095+/-0.103 χ^2/NDF: 4177908.2/45

- sign 648.282+/-0.143 χ^2/NDF: 2439496.5/23

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.323+/-2.963 χ^2/NDF:3.8/5

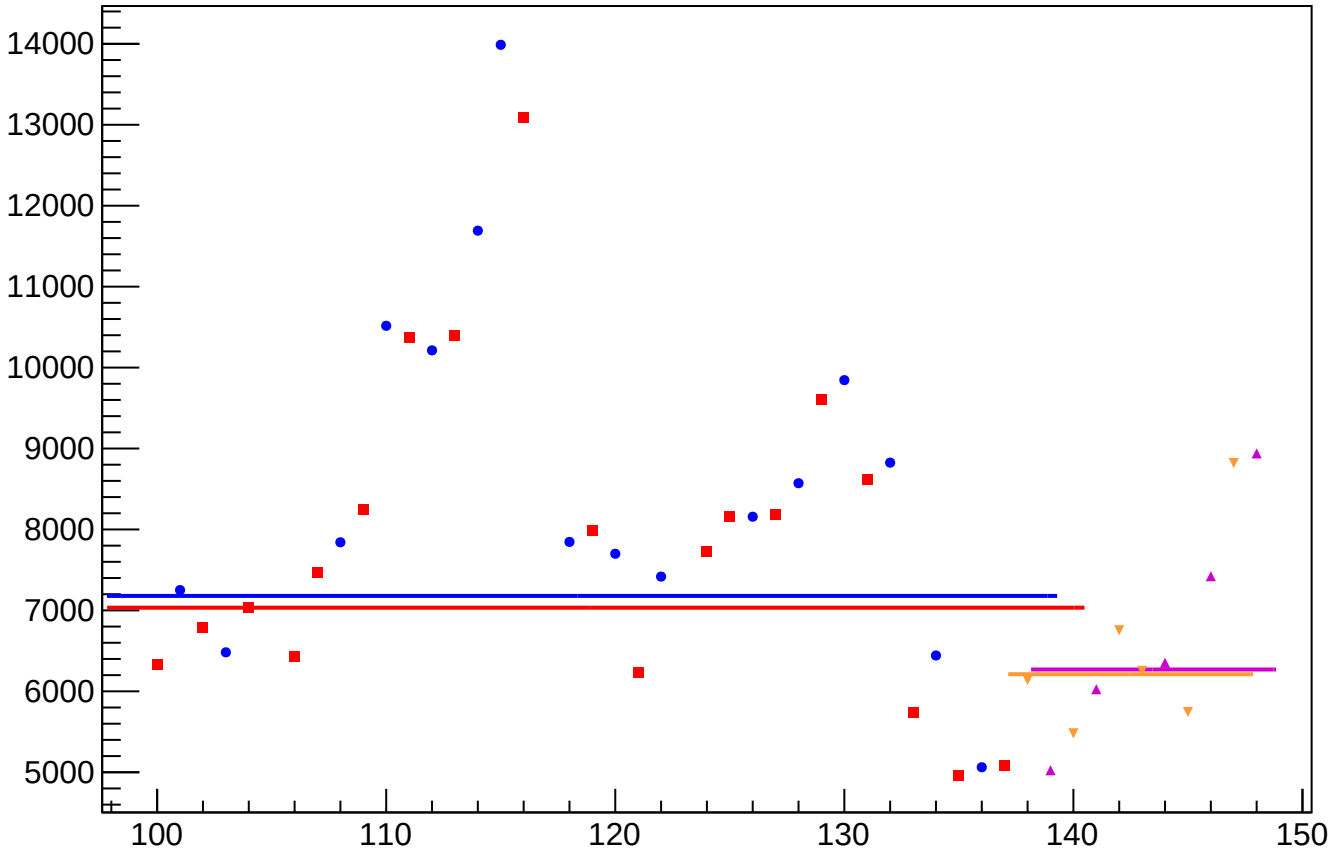
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 7.462+/-3.082 χ^2/NDF:2.1/4

+ sign -0.064+/-2.014 χ^2/NDF: 17.8/21

All: 2.984+/-1.423 χ^2/NDF: 43.3/45

- sign 6.022+/-2.011 χ^2/NDF: 21.0/23



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

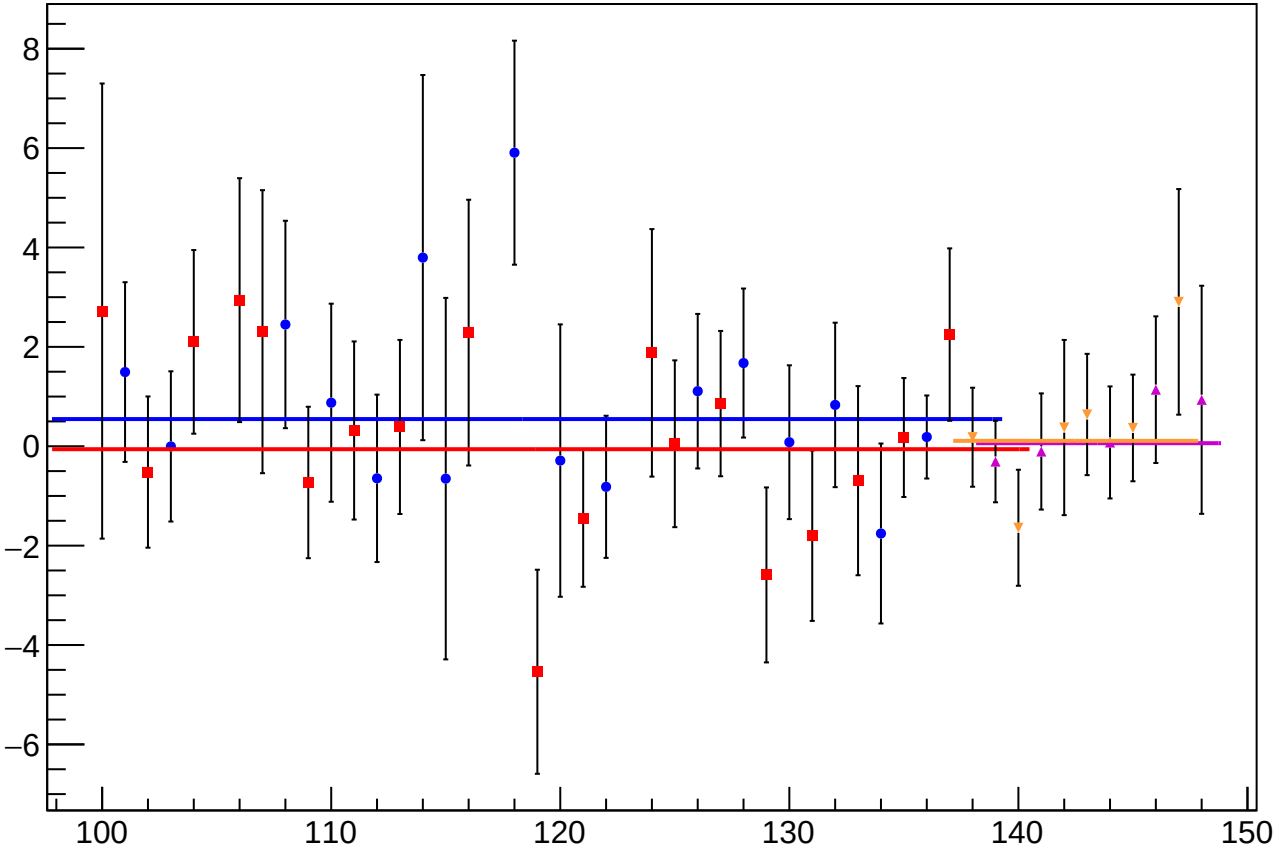
Left In: 6269.737+/-2.179 χ^2/NDF:291685.4/4

+ sign 6731.797+/-1.424 χ^2/NDF: 1064857.2/21

All: 6720.094+/-1.006 χ^2/NDF: 2193617.3/45

- sign 6708.429+/-1.422 χ^2/NDF: 1128625.2/23

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

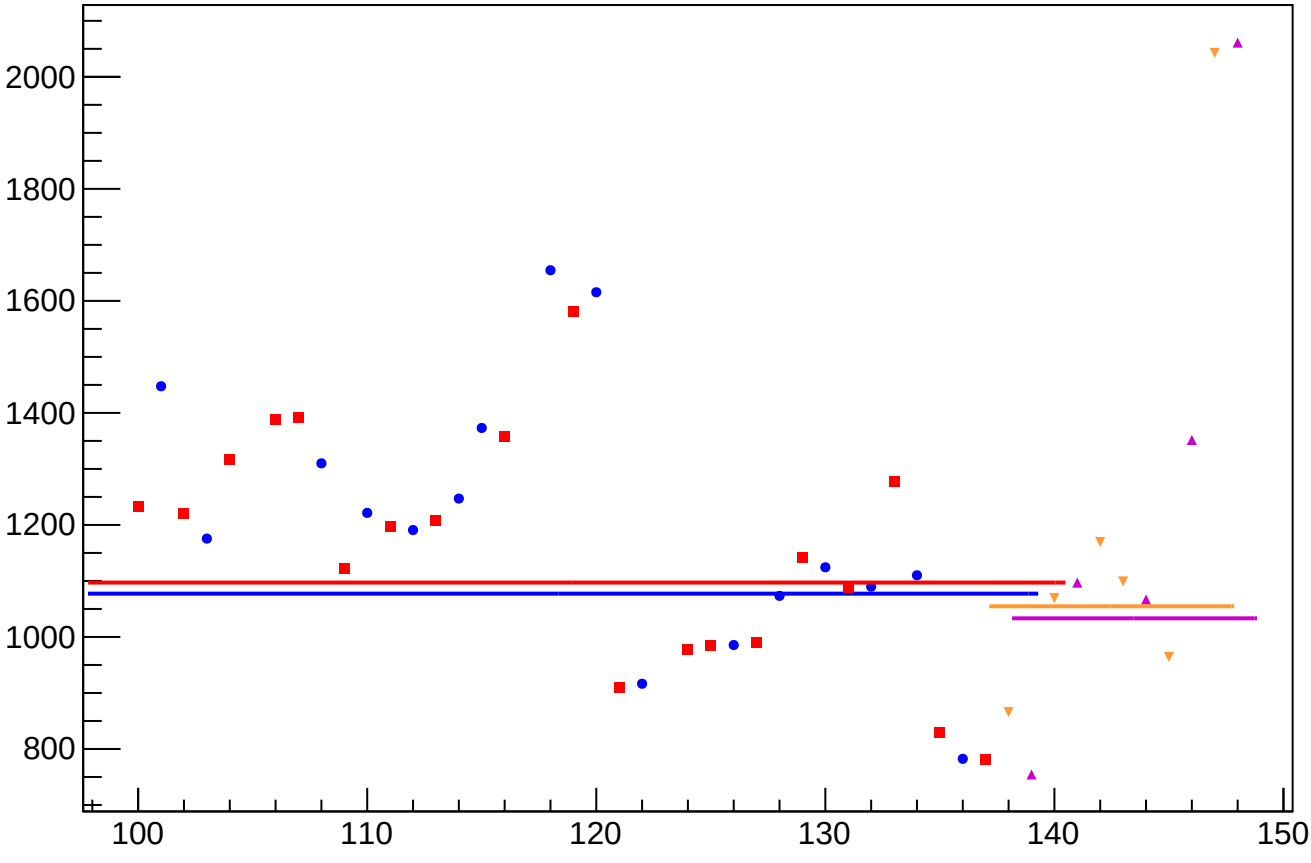
Left In: 0.062+/-0.523 χ^2/NDF:0.9/4

+ sign 0.376+/-0.321 χ^2/NDF: 16.4/21

All: 0.182+/-0.227 χ^2/NDF: 34.9/45

- sign -0.013+/-0.322 χ^2/NDF: 17.8/23

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

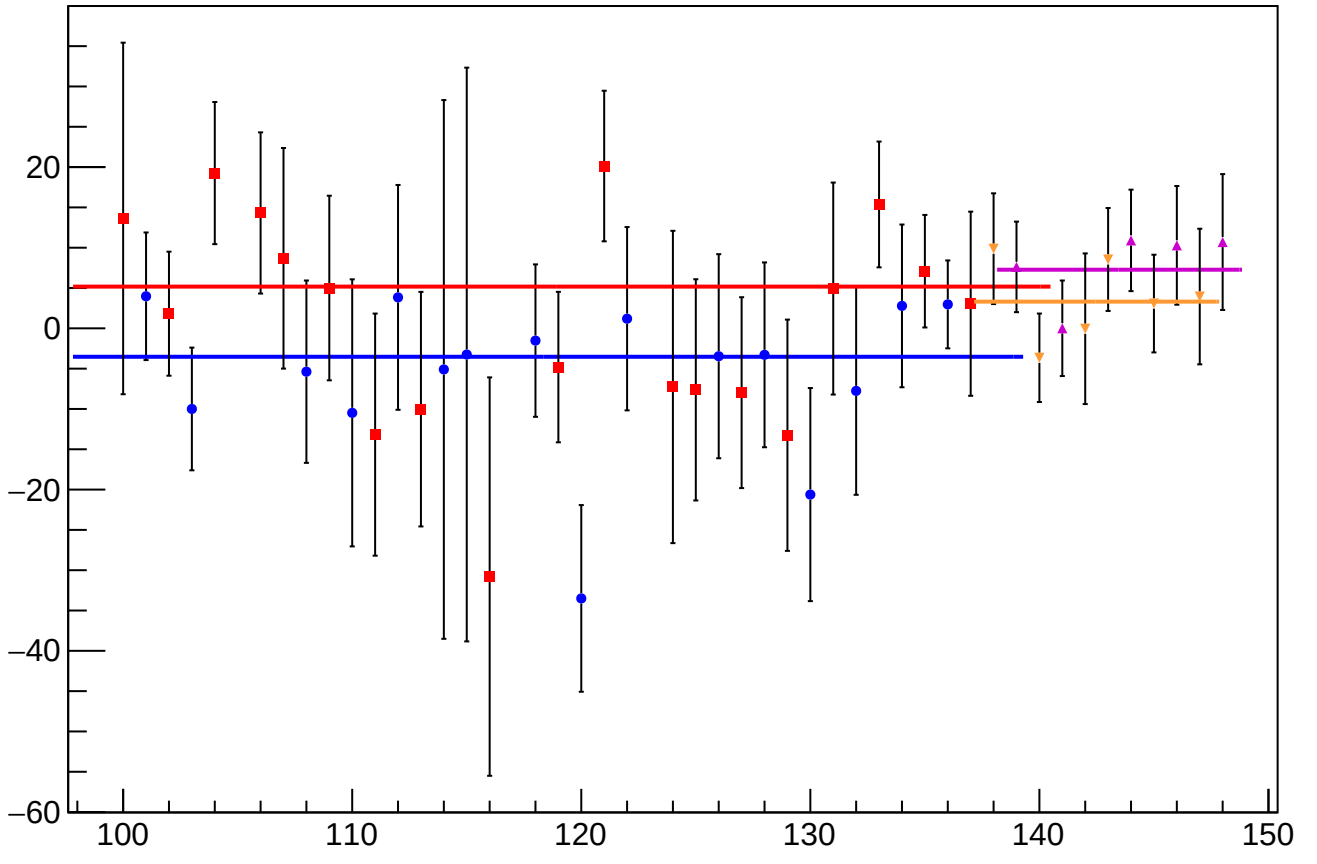
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1033.264+/-0.370 χ^2/NDF:733230.1/4

+ sign 1068.501+/-0.227 χ^2/NDF: 1125248.1/21

All: 1070.689+/-0.161 χ^2/NDF: 2361530.6/45

- sign 1072.896+/-0.228 χ^2/NDF: 1236095.5/23



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

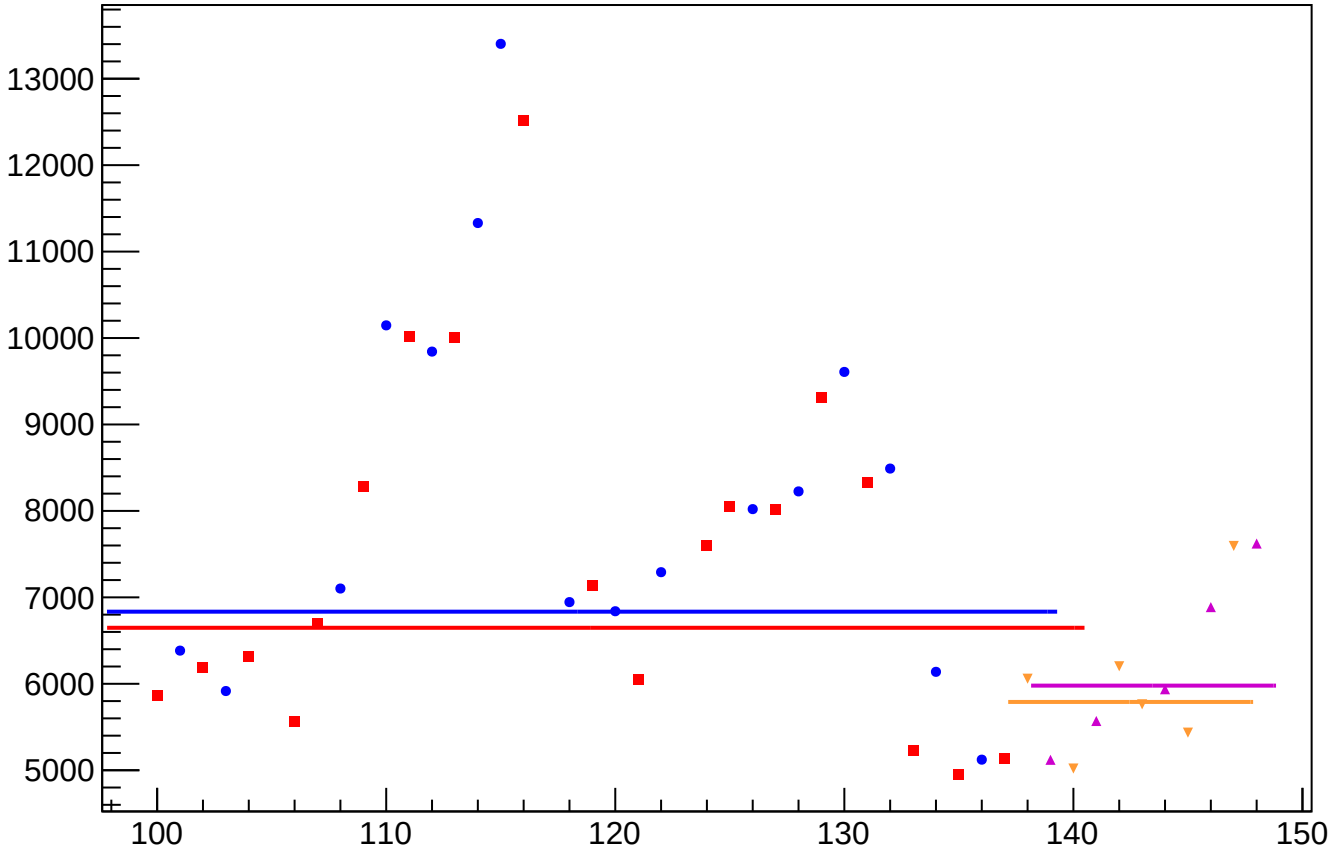
Left In: 7.272+/-2.911 χ^2/NDF:2.2/4

+ sign -0.294+/-1.894 χ^2/NDF: 19.2/21

All: 2.877+/-1.341 χ^2/NDF: 45.5/45

- sign 6.069+/-1.900 χ^2/NDF: 20.7/23

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

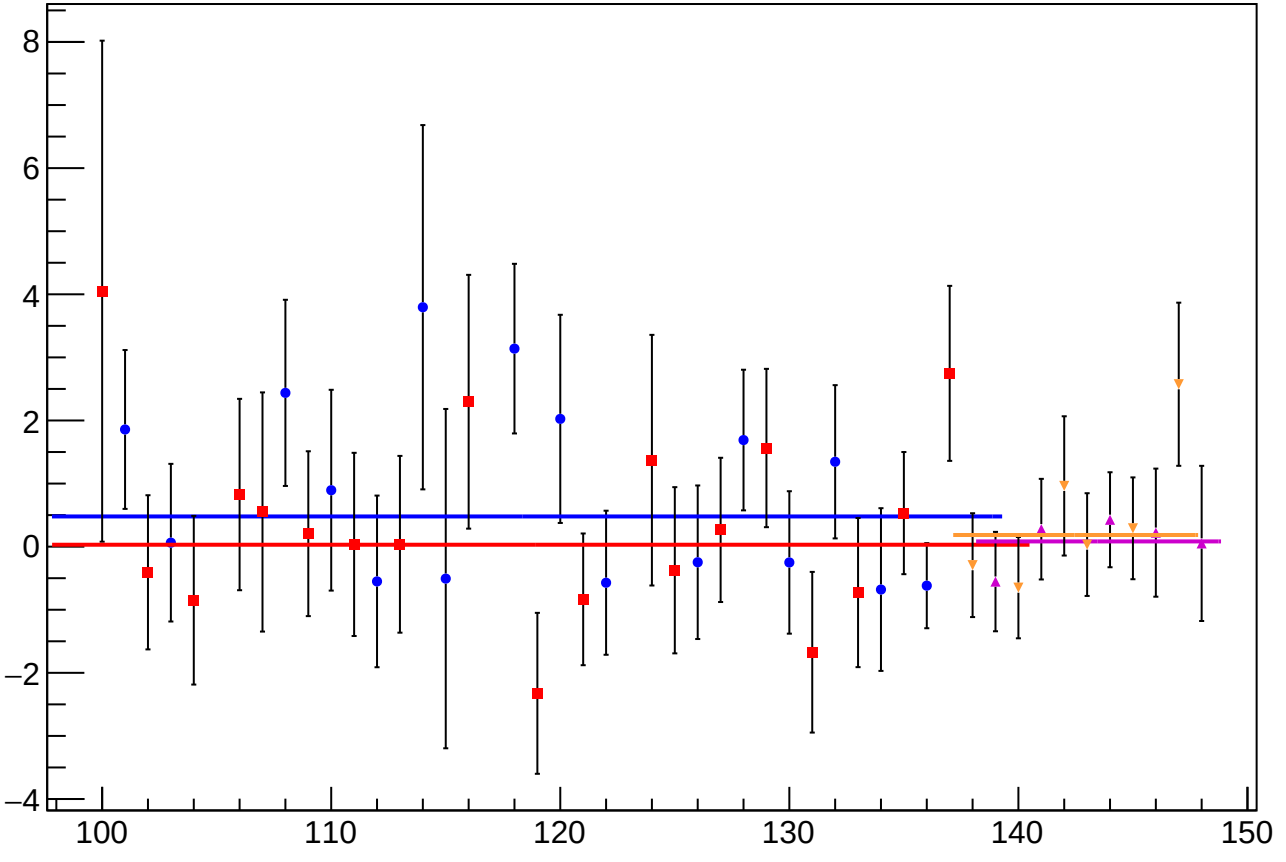
Left In: 5978.891+/-2.058 χ^2/NDF:162884.4/4

+ sign 6340.718+/-1.339 χ^2/NDF: 989647.6/21

All: 6351.798+/-0.948 χ^2/NDF: 1998417.6/45

- sign 6362.951+/-1.344 χ^2/NDF: 1008632.6/23

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

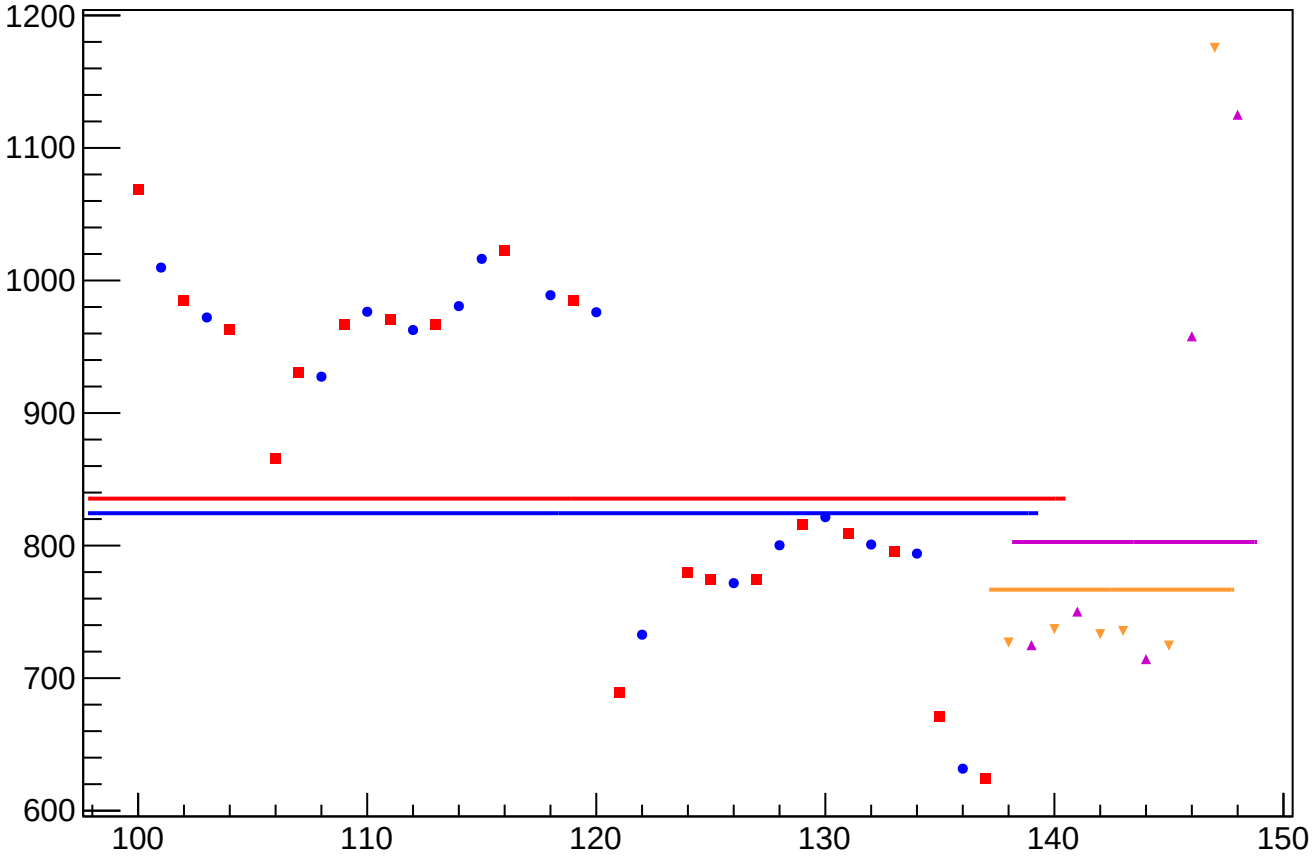
Left In: 0.083+/-0.390 χ^2/NDF:0.9/4

+ sign 0.355+/-0.237 χ^2/NDF: 22.5/21

All: 0.206+/-0.169 χ^2/NDF: 40.0/45

- sign 0.051+/-0.242 χ^2/NDF: 16.7/23

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

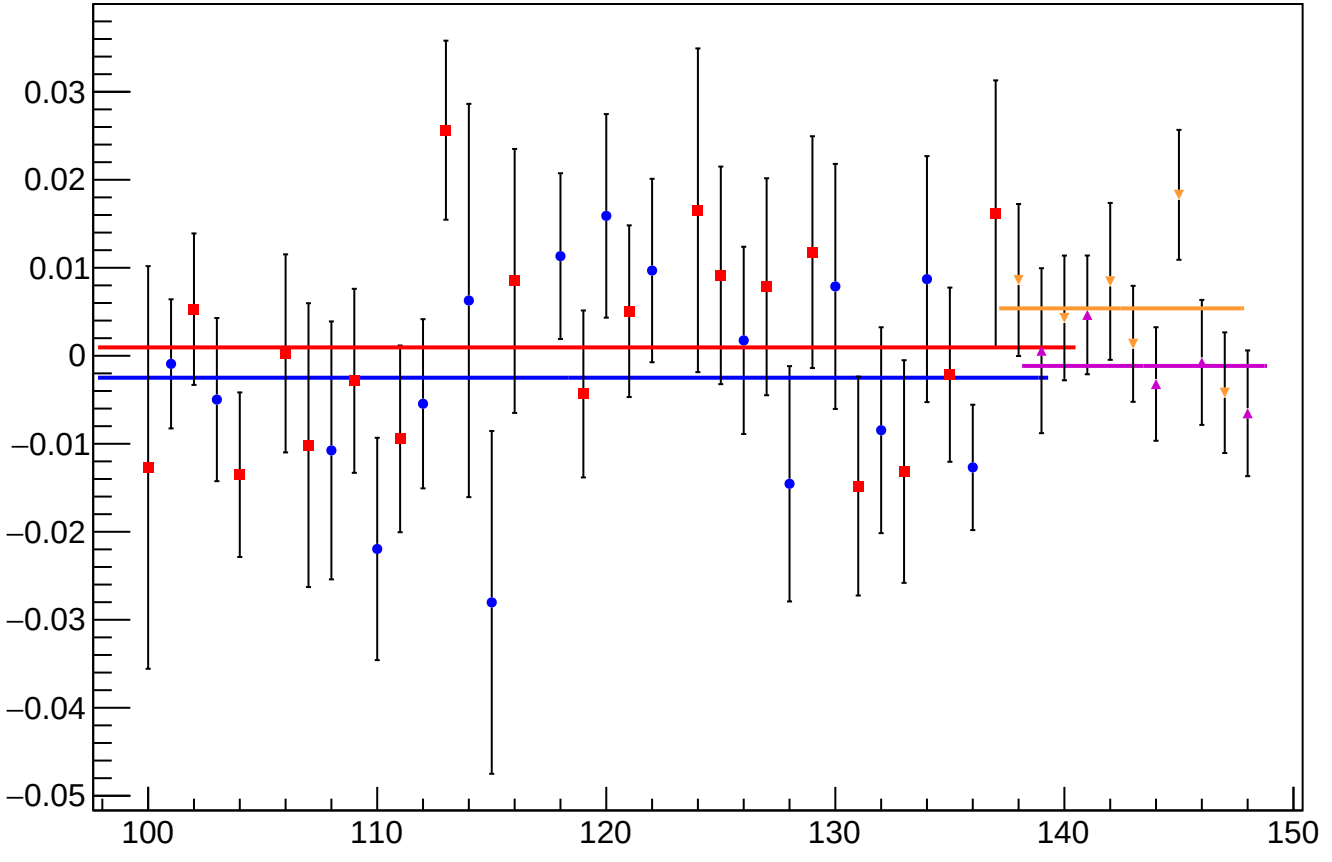
Left In: 802.712+/-0.276 χ^2/NDF:239908.8/4

+ sign 800.212+/-0.167 χ^2/NDF: 611970.3/21

All: 811.277+/-0.120 χ^2/NDF: 1188778.5/45

- sign 822.834+/-0.171 χ^2/NDF: 567875.6/23

diff_dispE_bpm12X_mean vs Slug



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

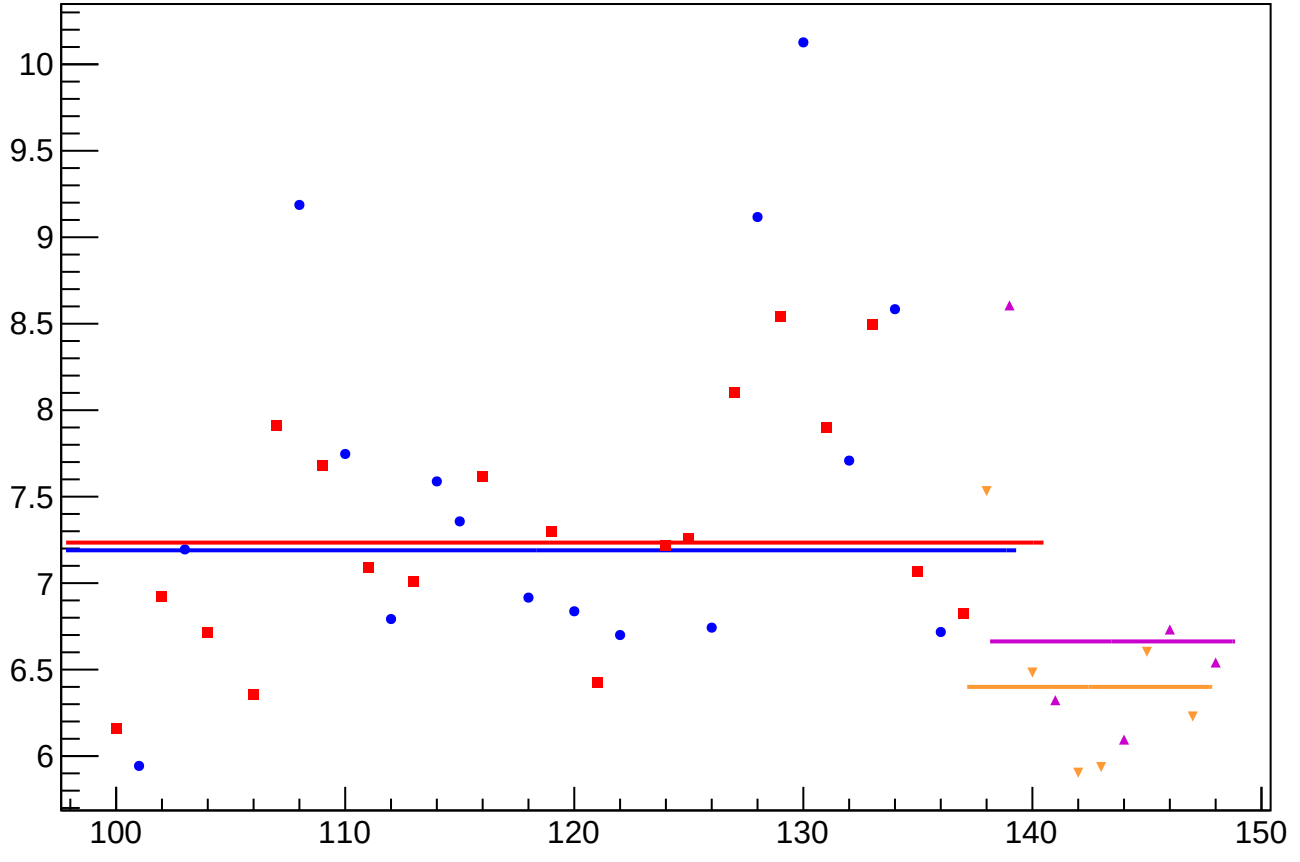
Left In: -0.001+/-0.003 χ^2/NDF:1.4/4

+ sign 0.001+/-0.002 χ^2/NDF: 24.7/21

All: 0.001+/-0.001 χ^2/NDF: 43.8/45

- sign 0.000+/-0.002 χ^2/NDF: 19.0/23

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

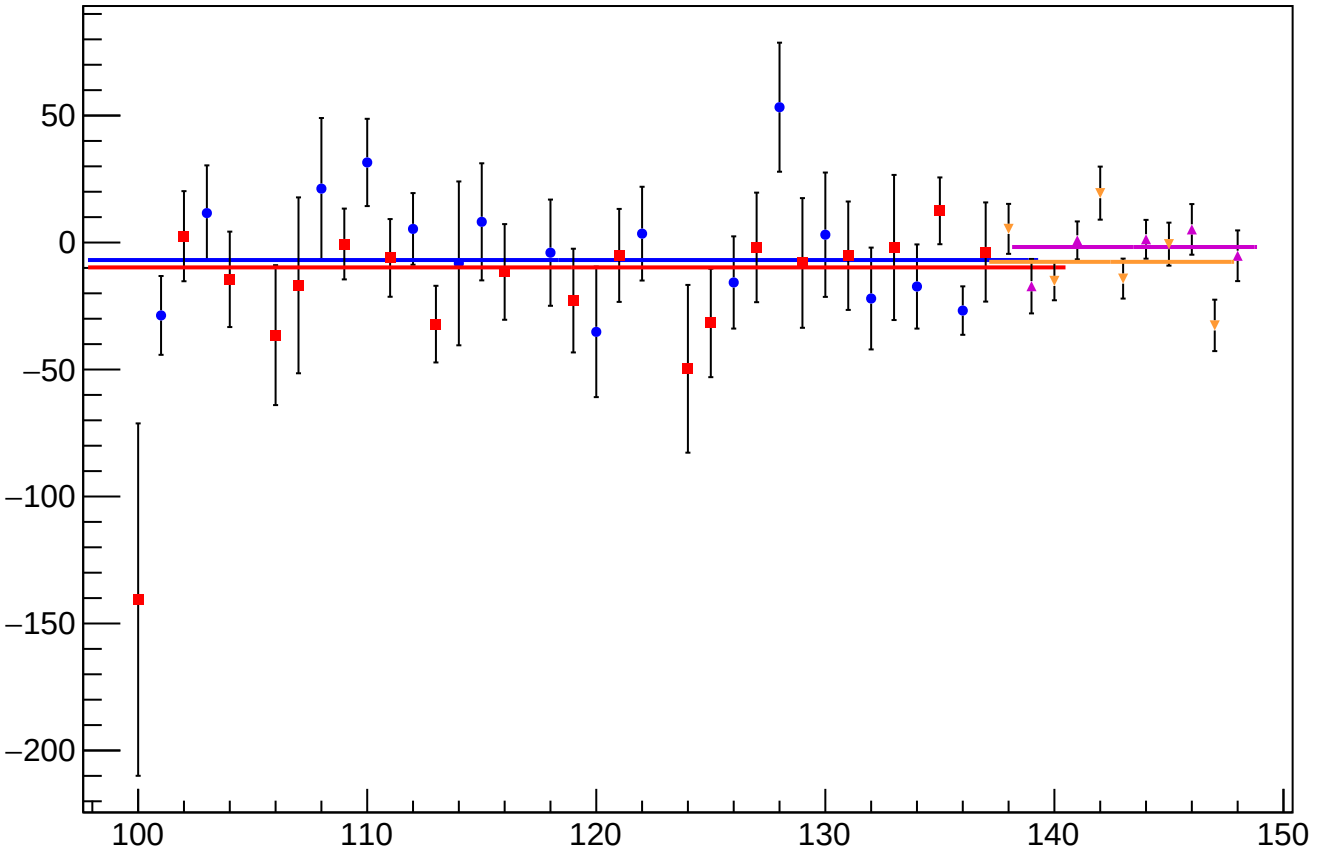
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.663+/-0.002 χ^2/NDF:107305.6/4

+ sign 6.840+/-0.001 χ^2/NDF: 406483.6/21

All: 6.920+/-0.001 χ^2/NDF: 663973.4/45

- sign 7.002+/-0.001 χ^2/NDF: 251102.1/23



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

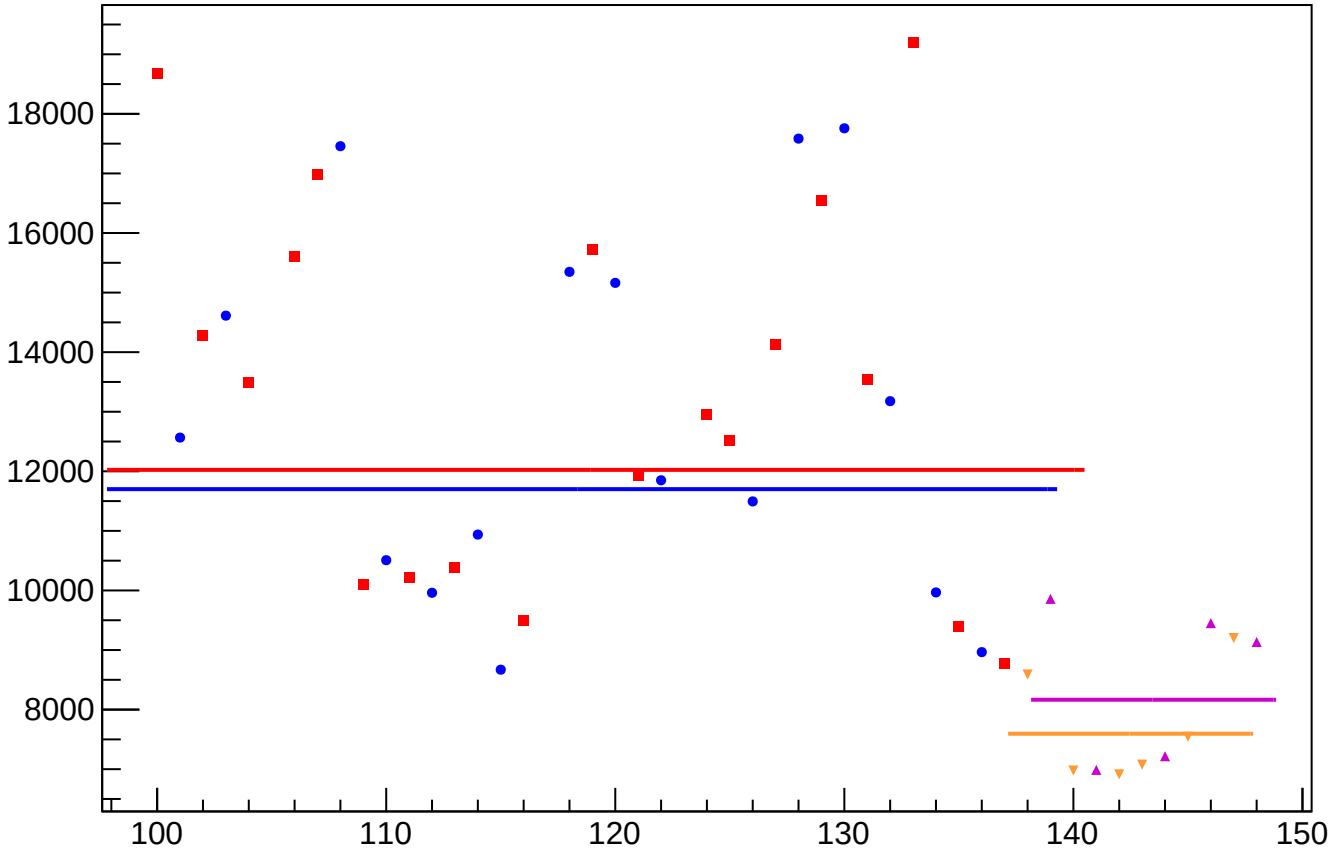
Left In: -1.760+/-3.956 χ^2/NDF:3.0/4

\+ sign -7.322+/-2.815 χ^2/NDF: 40.0/21

All: -6.342+/-2.045 χ^2/NDF: 58.9/45

\- sign -5.246+/-2.976 χ^2/NDF: 18.7/23

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

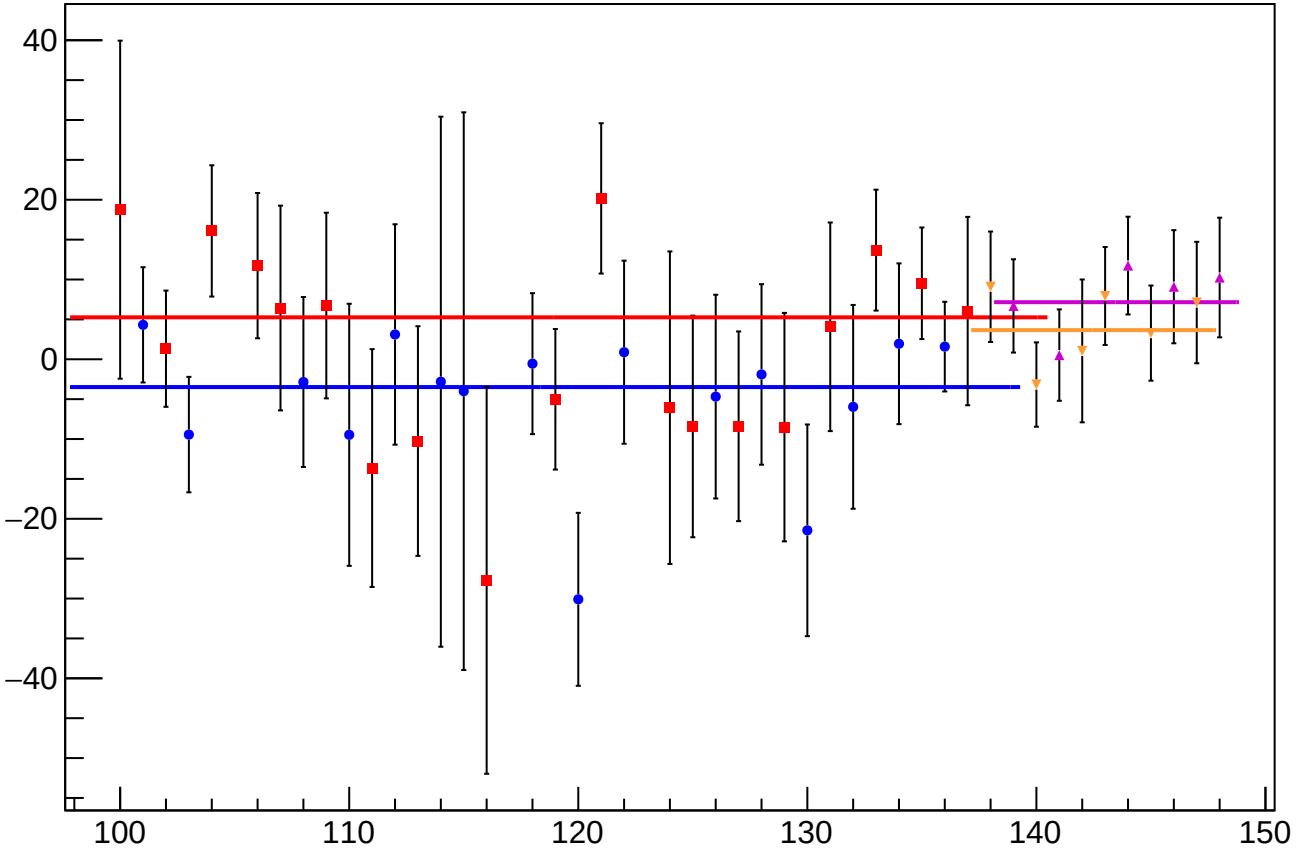
Left In: 8165.789+/-2.797 χ^2/NDF:182638.4/4

+ sign 9210.323+/-1.991 χ^2/NDF: 1856390.1/21

All: 9507.968+/-1.446 χ^2/NDF: 3596924.9/45

- sign 9840.619+/-2.104 χ^2/NDF: 1693193.8/23

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

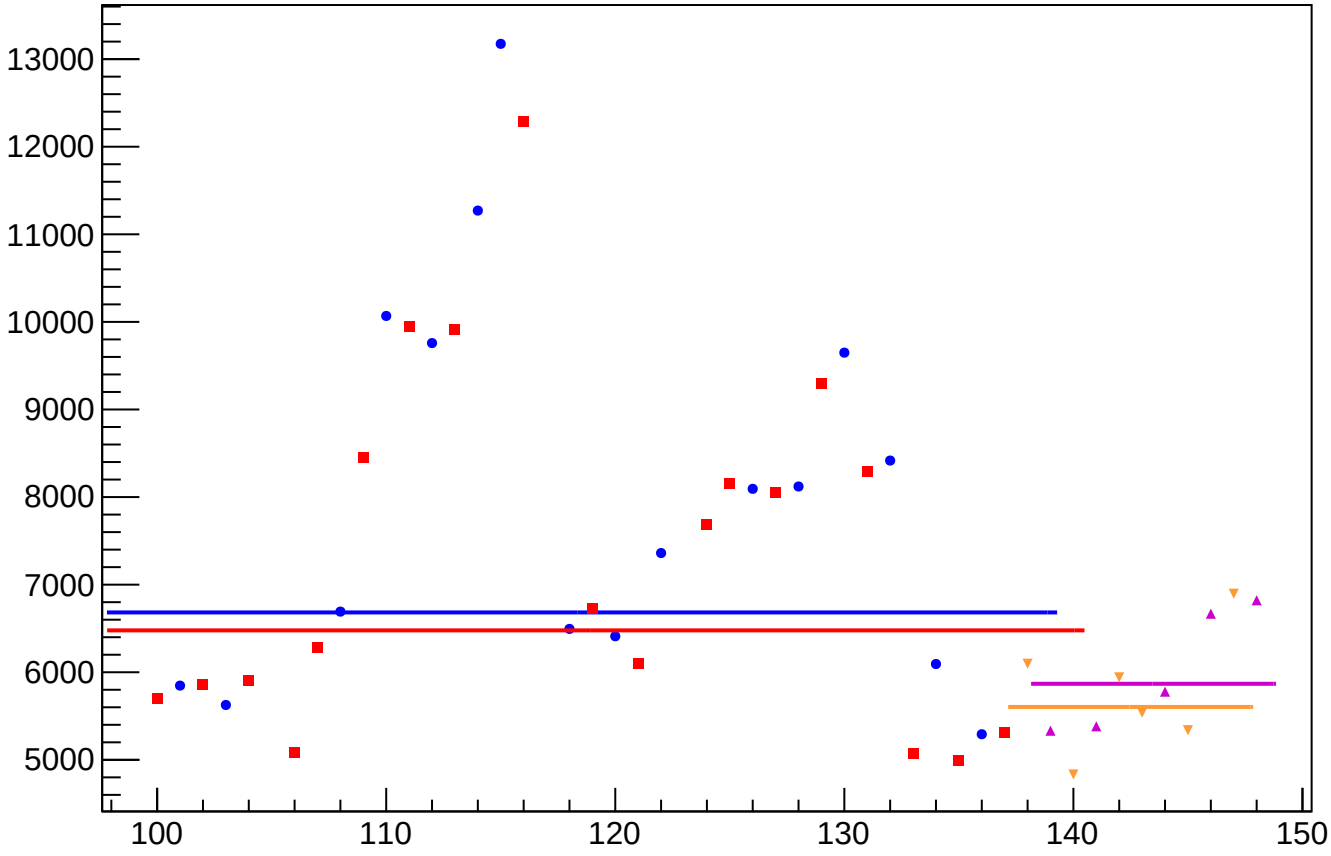
Left In: 7.157+/-2.840 χ^2/NDF:2.2/4

+ sign -0.072+/-1.842 χ^2/NDF: 18.3/21

All: 2.978+/-1.306 χ^2/NDF: 42.8/45

- sign 6.068+/-1.854 χ^2/NDF: 19.0/23

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

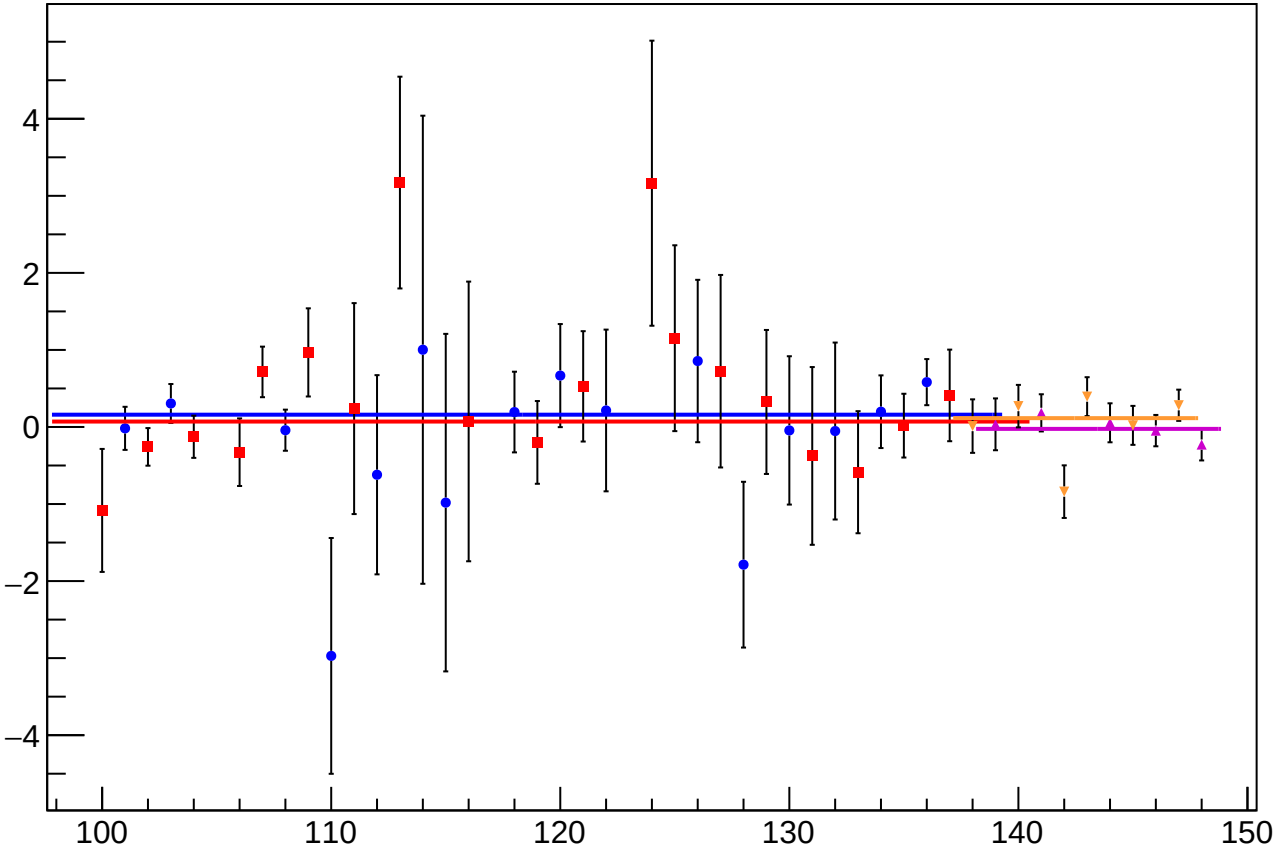
Left In: 5868.394+/-2.008 χ^2/NDF:89295.7/4

+ sign 6166.880+/-1.302 χ^2/NDF: 980950.2/21

All: 6192.486+/-0.924 χ^2/NDF: 1963170.1/45

- sign 6218.425+/-1.311 χ^2/NDF: 981441.6/23

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.115+/-0.108 χ^2/NDF:10.3/5

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

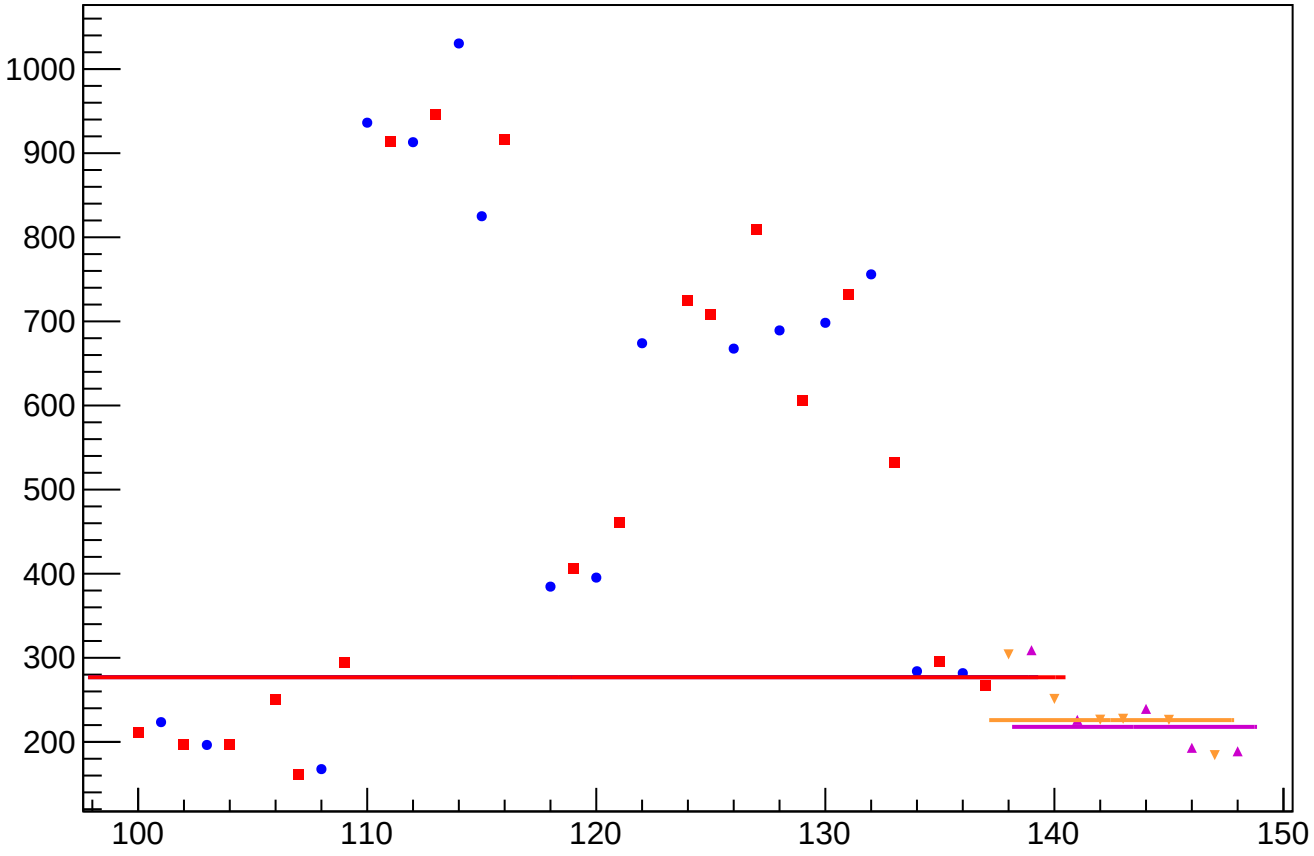
Left In: -0.025+/-0.106 χ^2/NDF:1.9/4

+ sign 0.135+/-0.080 χ^2/NDF: 22.9/21

All: 0.075+/-0.056 χ^2/NDF: 48.7/45

- sign 0.017+/-0.079 χ^2/NDF: 24.7/23

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

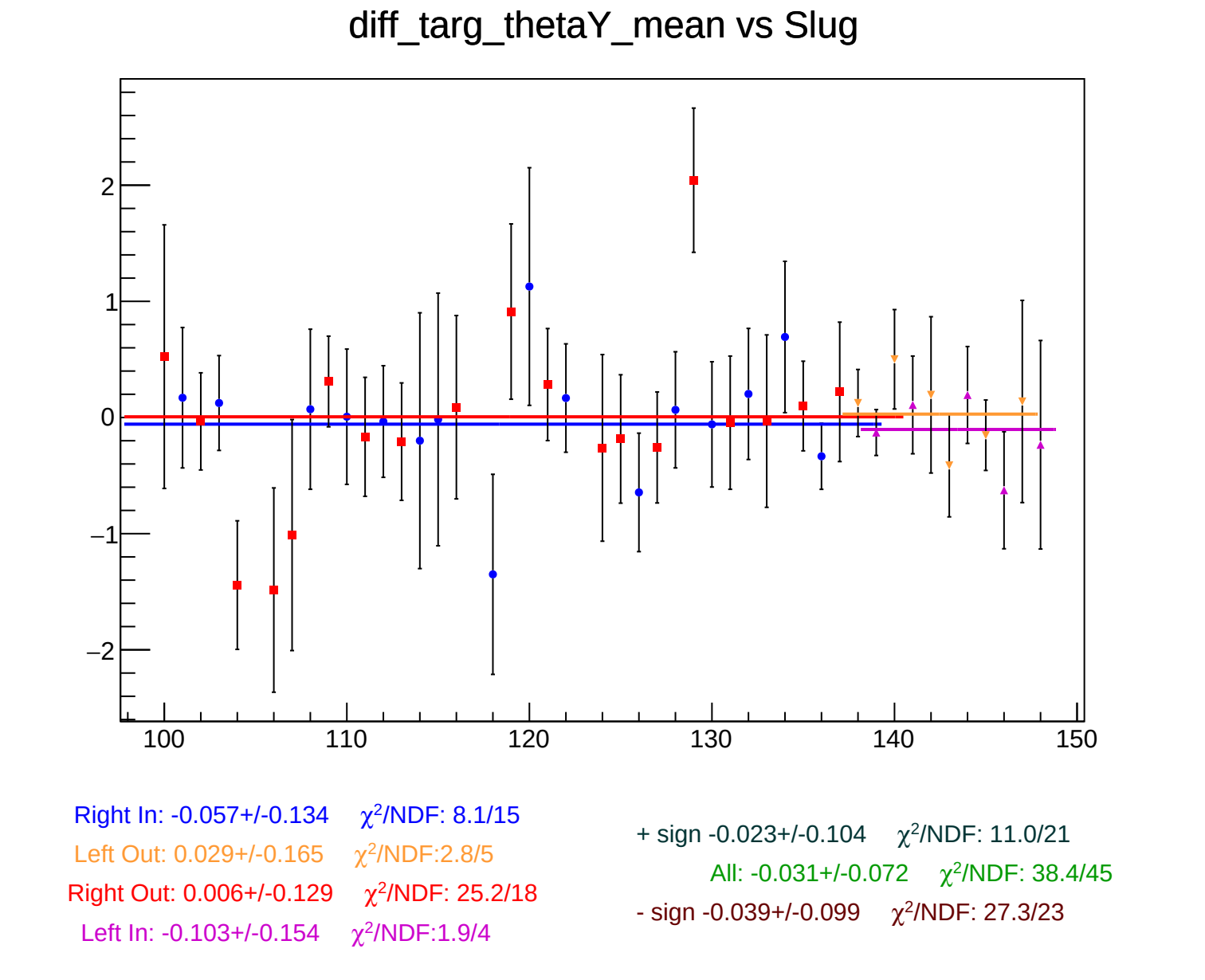
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 217.882+/-0.075 χ^2/NDF:233221.4/4

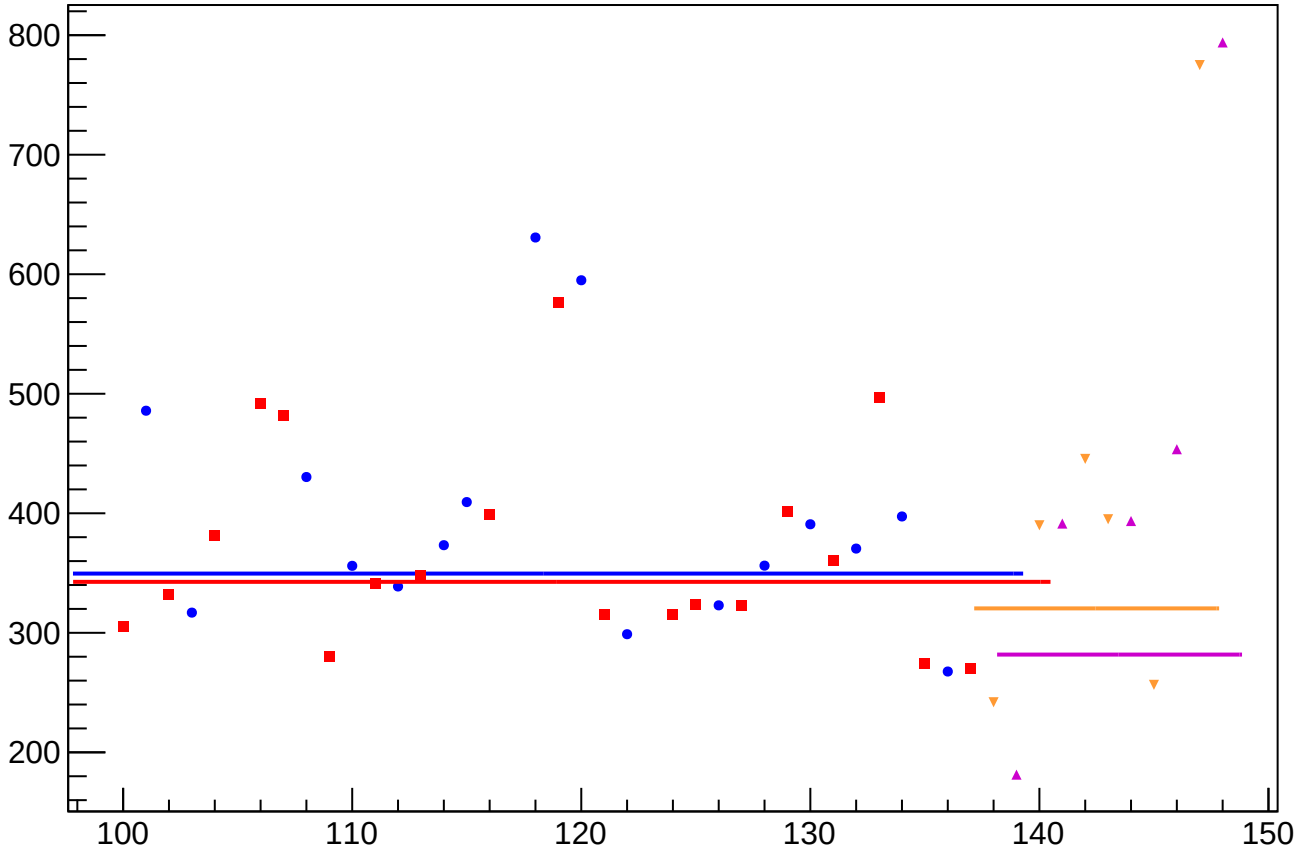
+ sign 248.872+/-0.057 χ^2/NDF: 3854311.9/21

All: 246.284+/-0.040 χ^2/NDF: 7935917.0/45

- sign 243.753+/-0.056 χ^2/NDF: 4077480.1/23


diff_targ_thetaY_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.029+/-0.165 χ²/NDF:2.8/5
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.103+/-0.154 χ²/NDF:1.9/4
+ sign -0.023+/-0.104 χ²/NDF: 11.0/21
All: -0.031+/-0.072 χ²/NDF: 38.4/45
- sign -0.039+/-0.099 χ²/NDF: 27.3/23

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

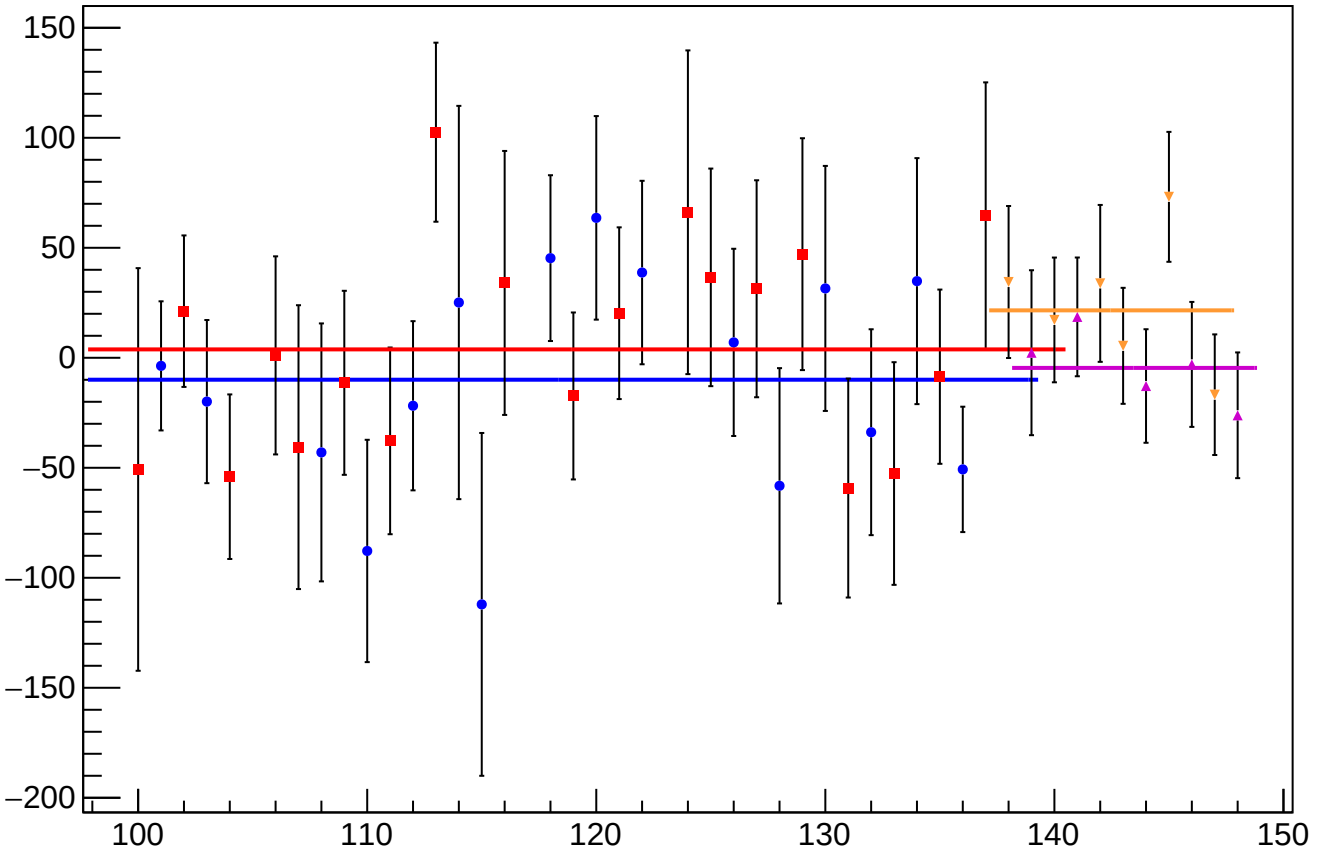
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 281.789+/-0.109 χ^2/NDF:1680035.8/4

+ sign 337.963+/-0.073 χ^2/NDF: 1697853.8/21

All: 327.257+/-0.051 χ^2/NDF: 4177908.2/45

- sign 317.552+/-0.070 χ^2/NDF: 2439496.5/23



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

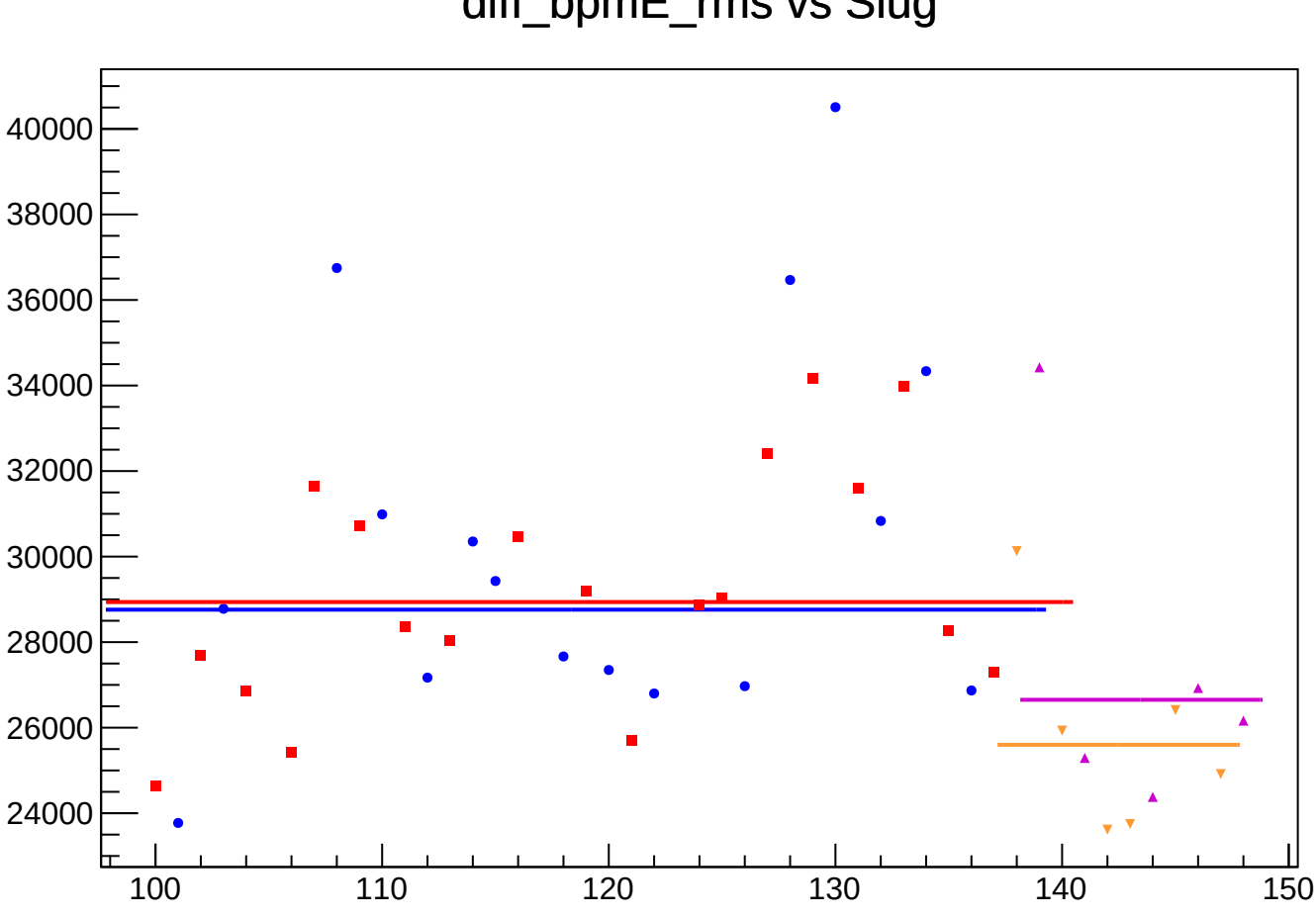
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 2.226+/-5.755 χ^2/NDF: 43.8/45

- sign 0.394+/-8.195 χ^2/NDF: 19.0/23



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

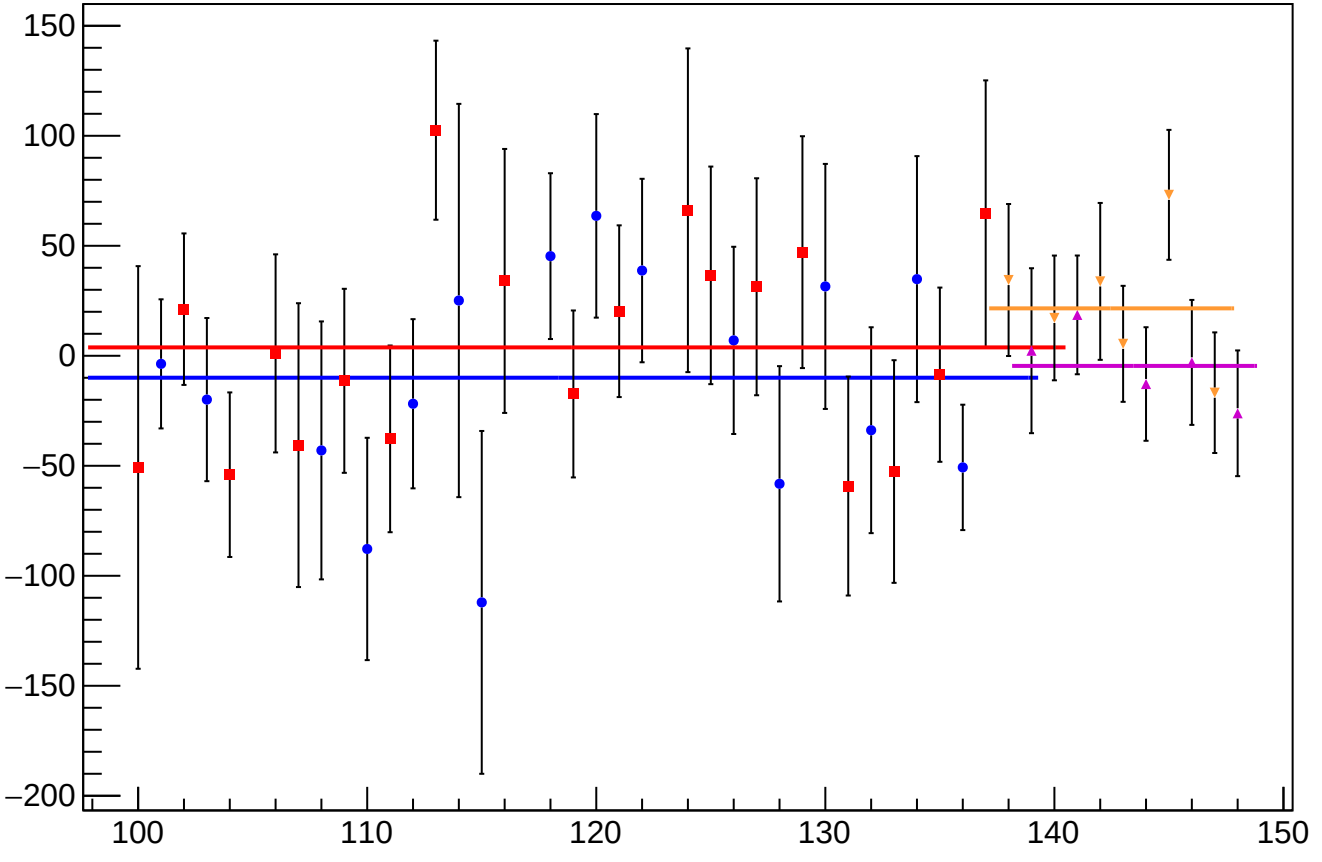
Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

+ sign 27358.278+/-5.717 χ^2/NDF: 406483.6/21

All: 27679.144+/-4.070 χ^2/NDF: 663973.4/45

- sign 28008.848+/-5.795 χ^2/NDF: 251102.1/23

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

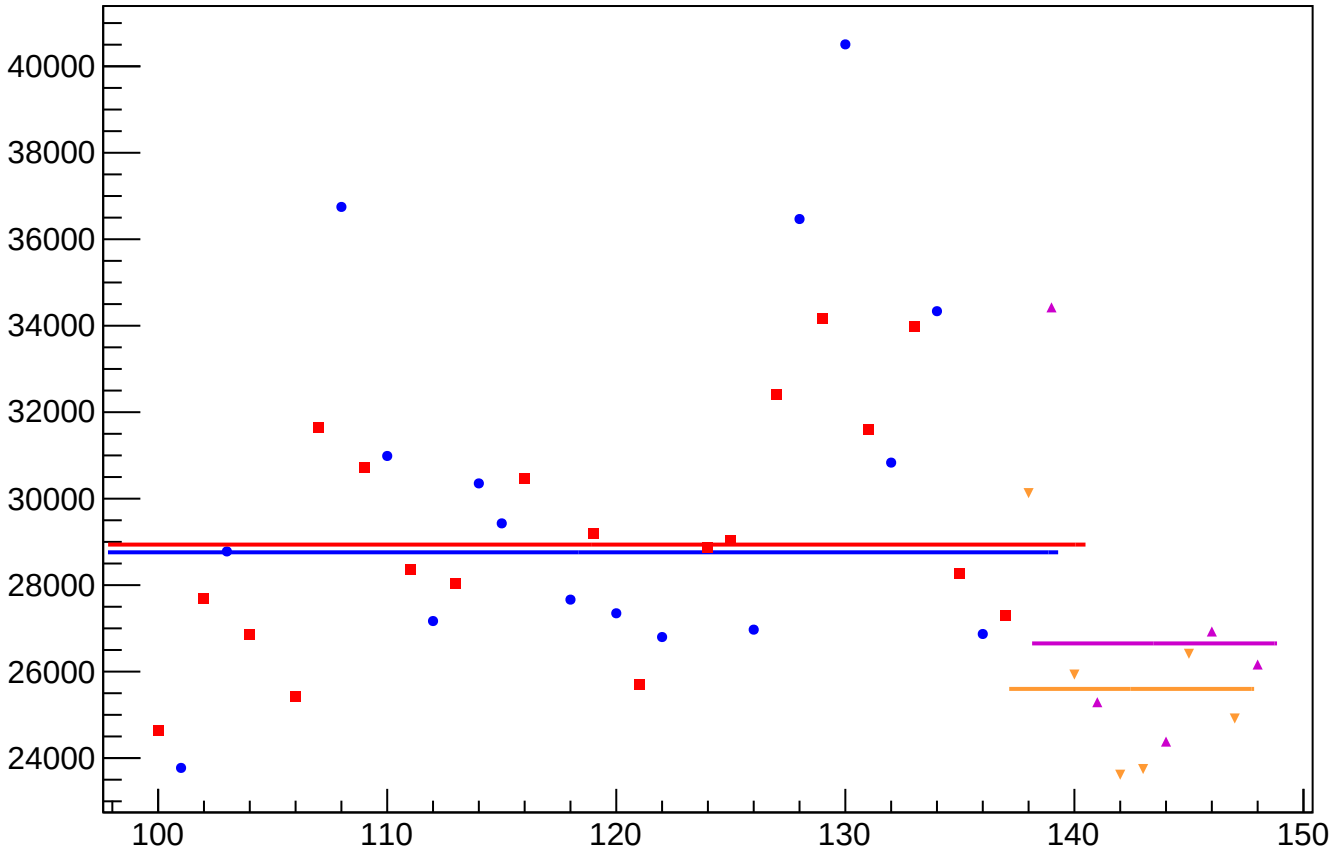
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 2.226+/-5.755 χ^2/NDF: 43.8/45

- sign 0.394+/-8.195 χ^2/NDF: 19.0/23



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

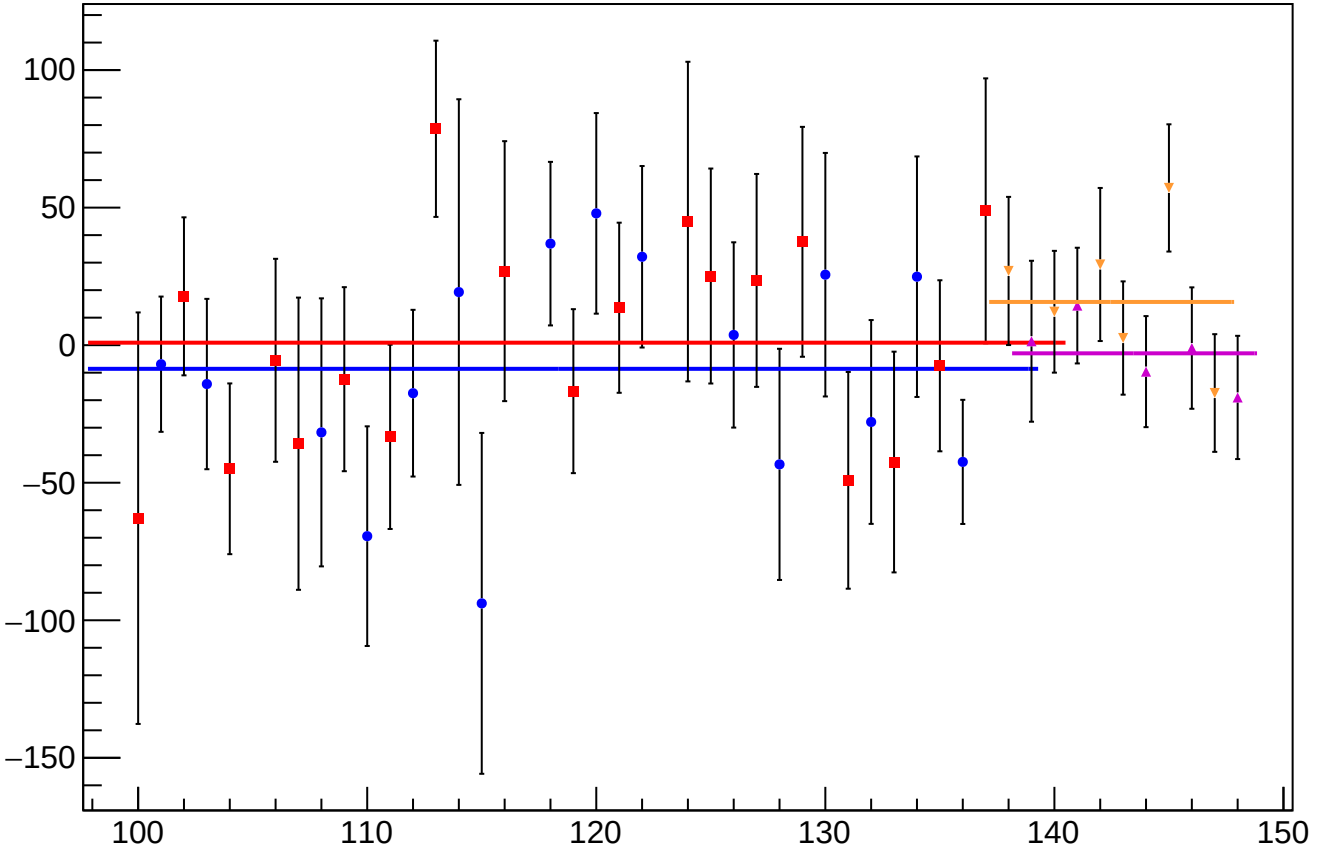
Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

+ sign 27358.278+/-5.717 χ^2/NDF: 406483.6/21

All: 27679.144+/-4.070 χ^2/NDF: 663973.4/45

- sign 28008.848+/-5.795 χ^2/NDF: 251102.1/23

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

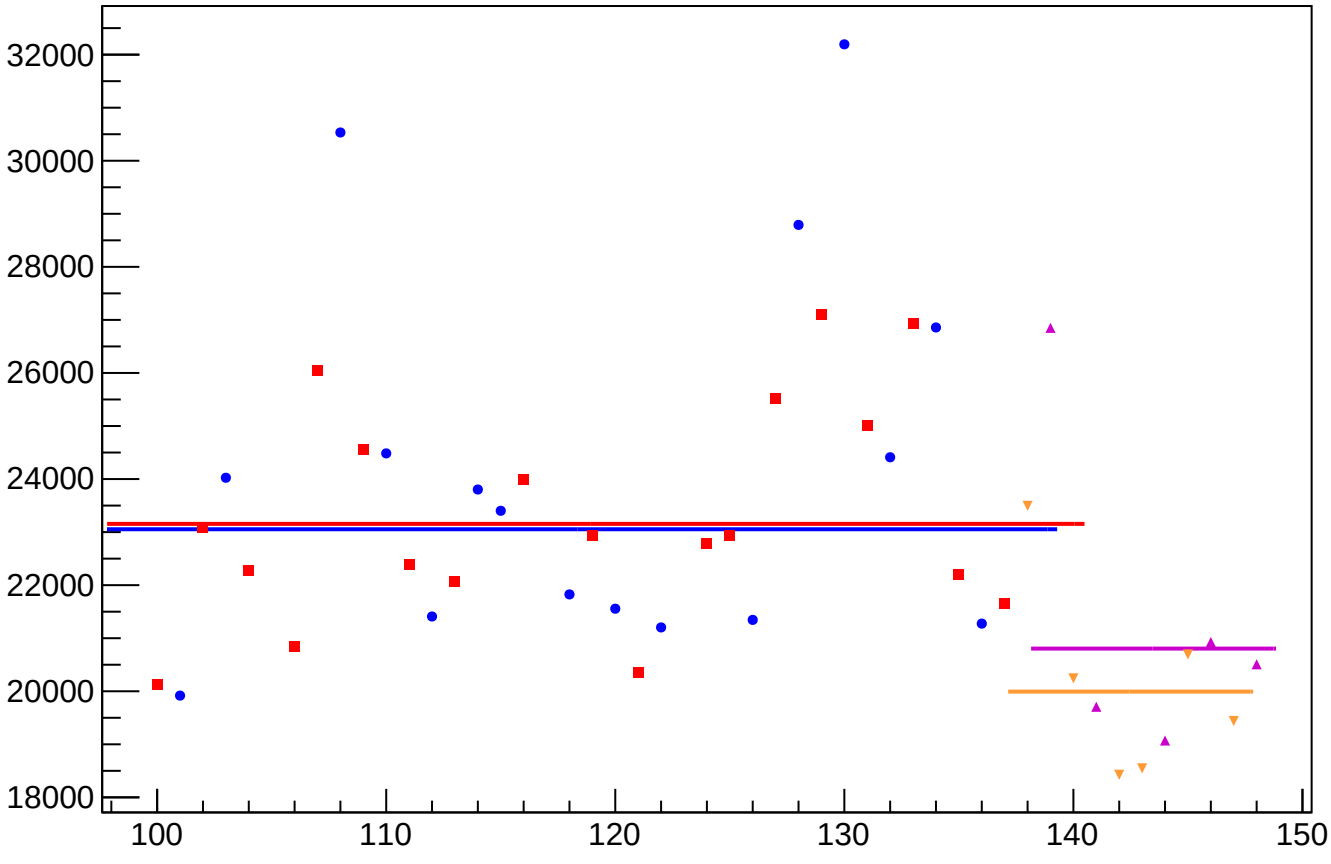
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -2.964+/-10.035 χ^2/NDF:1.3/4

+ sign 2.485+/-6.401 χ^2/NDF: 25.5/21

All: 0.907+/-4.557 χ^2/NDF: 44.7/45

- sign -0.713+/-6.488 χ^2/NDF: 19.0/23



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

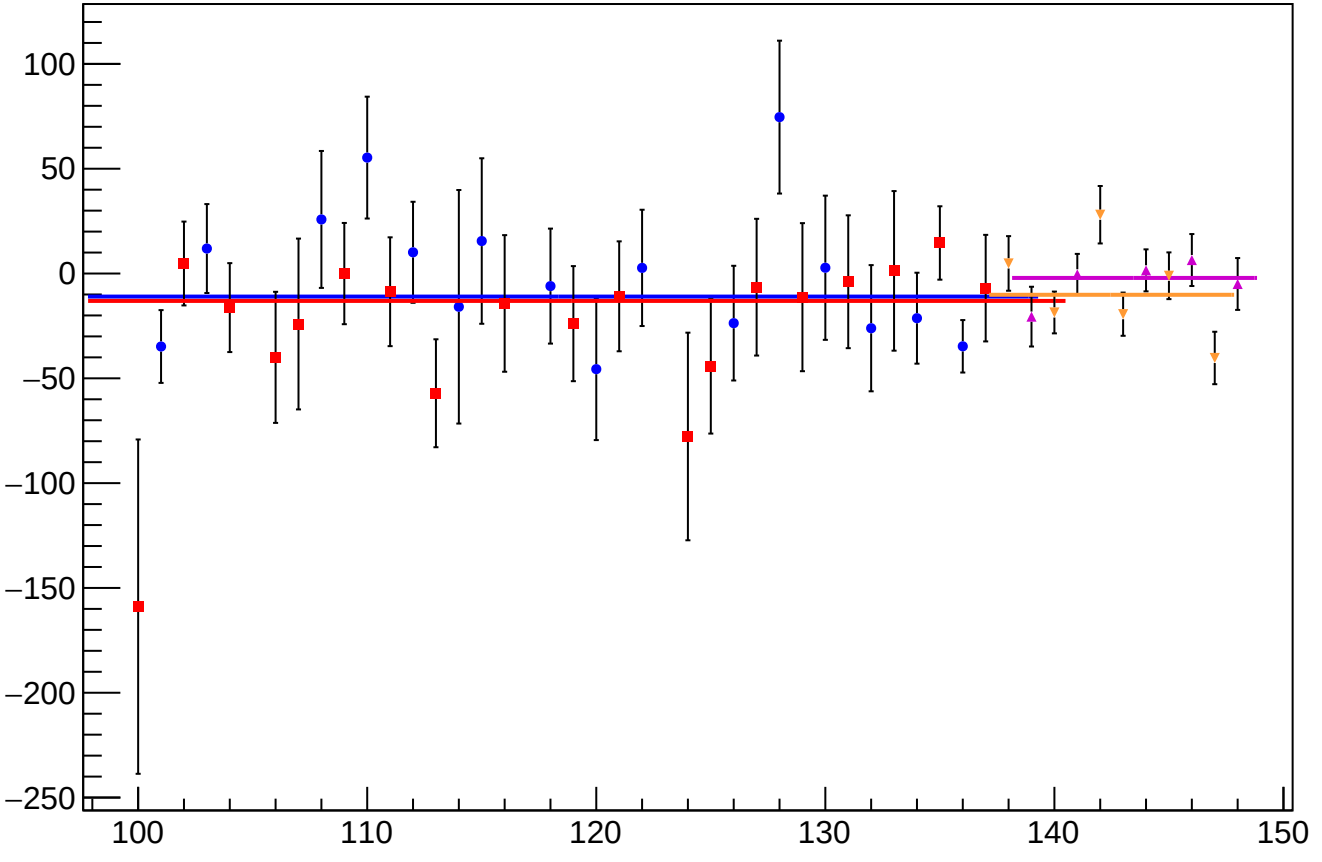
Left In: 20804.367+/-7.096 χ^2/NDF:106033.3/4

+ sign 21658.676+/-4.527 χ^2/NDF: 428305.3/21

All: 21912.046+/-3.222 χ^2/NDF: 698460.3/45

- sign 22172.350+/-4.588 χ^2/NDF: 263802.9/23

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

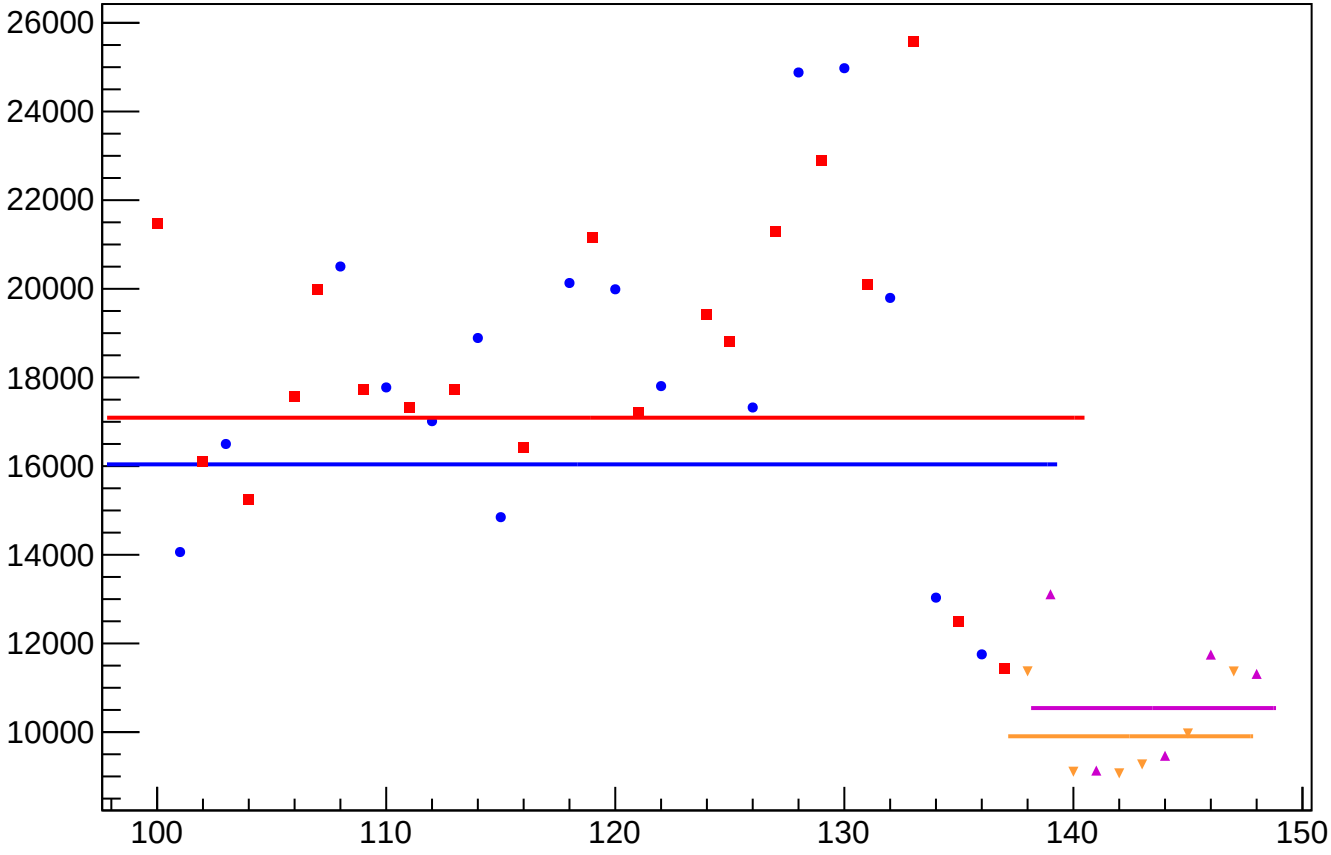
Left In: -2.106+/-5.100 χ^2/NDF:2.4/4

+ sign -10.464+/-3.739 χ^2/NDF: 39.1/21

All: -8.551+/-2.726 χ^2/NDF: 57.7/45

- sign -6.380+/-3.984 χ^2/NDF: 18.0/23

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

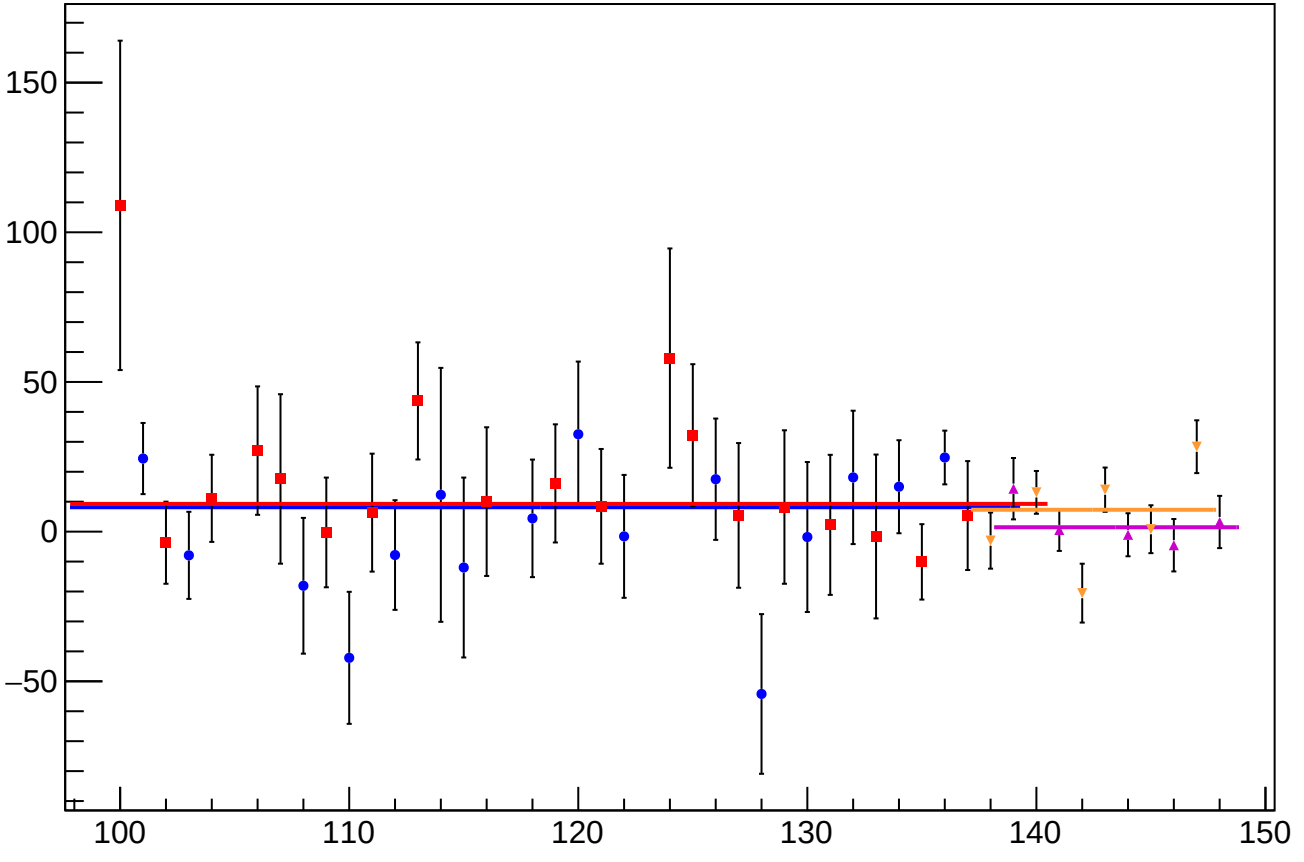
Left In: 10542.227+/-3.606 χ^2/NDF:156477.1/4

+ sign 12169.690+/-2.644 χ^2/NDF: 2056662.3/21

All: 12603.133+/-1.928 χ^2/NDF: 4091799.6/4

- sign 13095.282+/-2.817 χ^2/NDF: 1977744.6/23

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

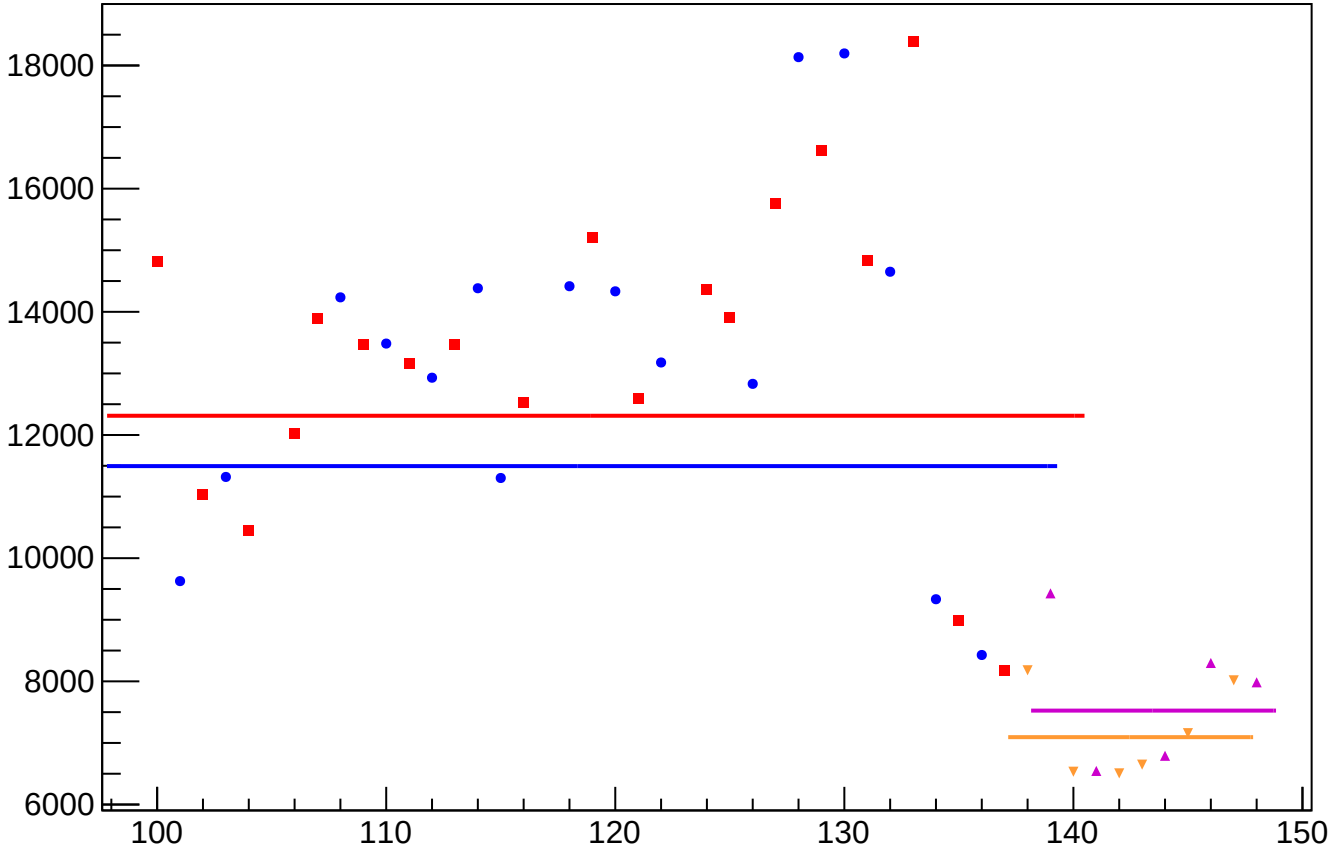
Left In: 1.465+/-3.639 χ^2/NDF:2.2/4

+ sign 7.618+/-2.680 χ^2/NDF: 38.9/21

All: 6.141+/-1.954 χ^2/NDF: 57.4/45

- sign 4.464+/-2.856 χ^2/NDF: 17.9/23

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

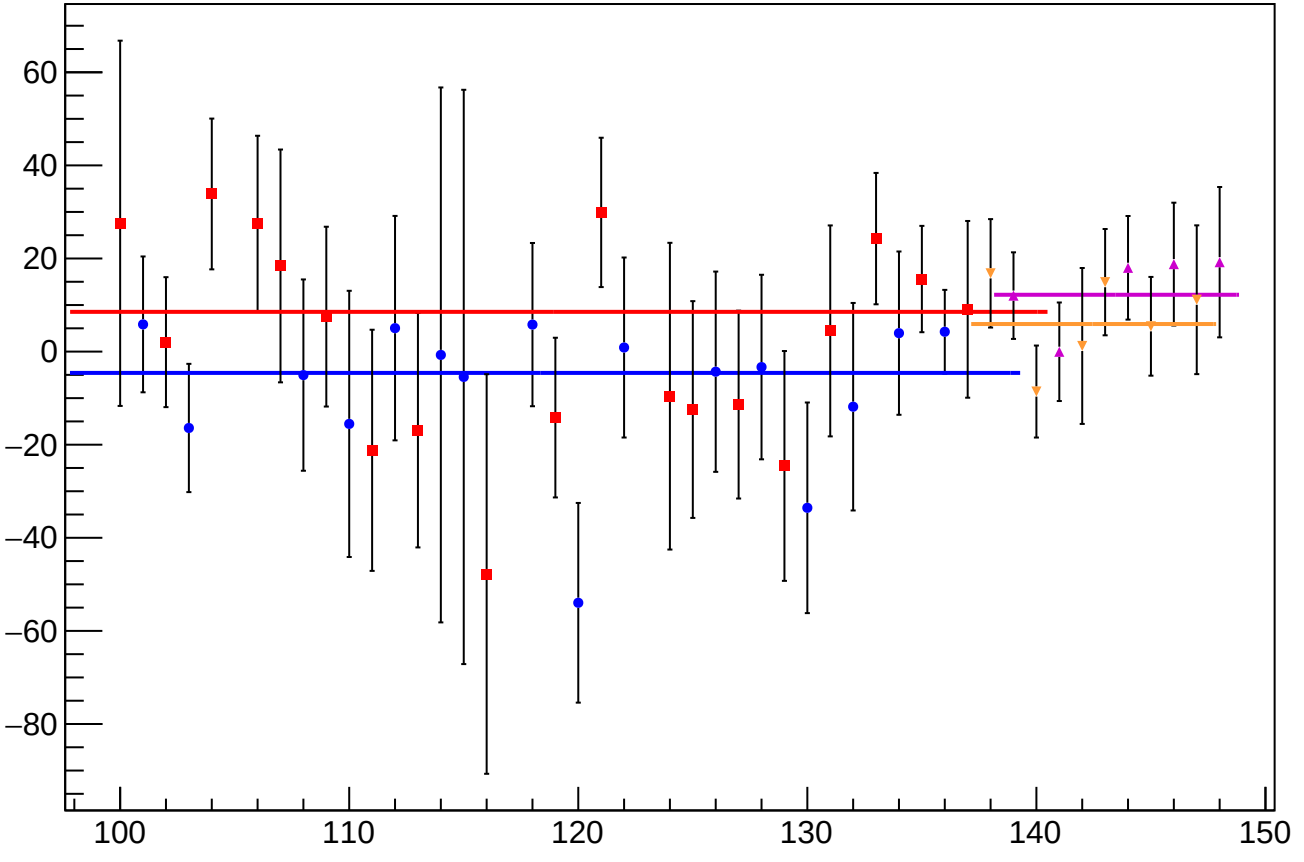
Left In: 7525.040+/-2.573 χ^2/NDF:150215.4/4

+ sign 8710.256+/-1.895 χ^2/NDF: 2118668.2/21

All: 9016.671+/-1.382 χ^2/NDF: 4253294.3/45

- sign 9364.516+/-2.019 χ^2/NDF: 2078816.3/23

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

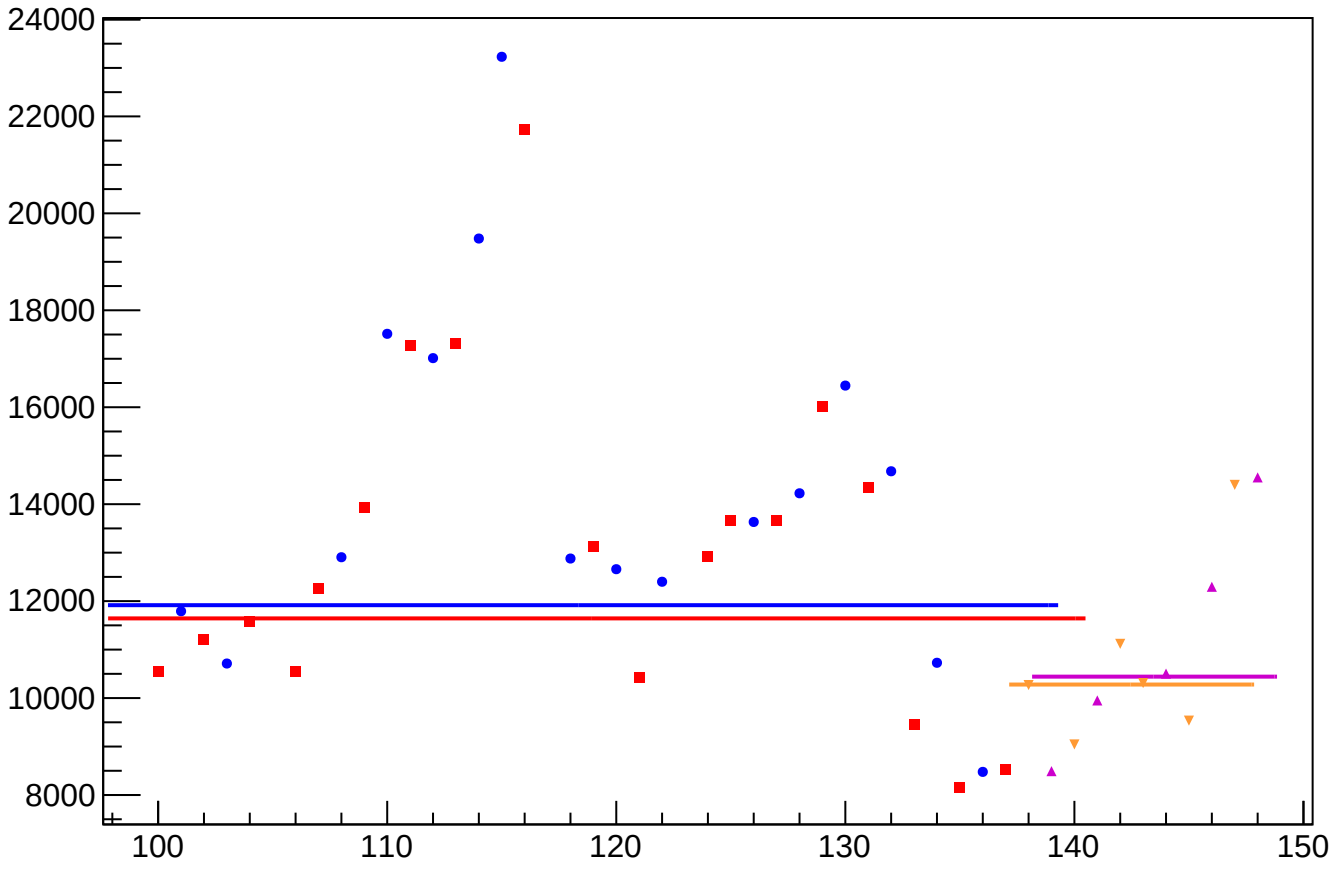
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 12.207+/-5.120 χ^2/NDF:2.0/4

+ sign 0.289+/-3.336 χ^2/NDF: 16.5/21

All: 5.194+/-2.358 χ^2/NDF: 40.4/45

- sign 10.093+/-3.334 χ^2/NDF: 19.5/23



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

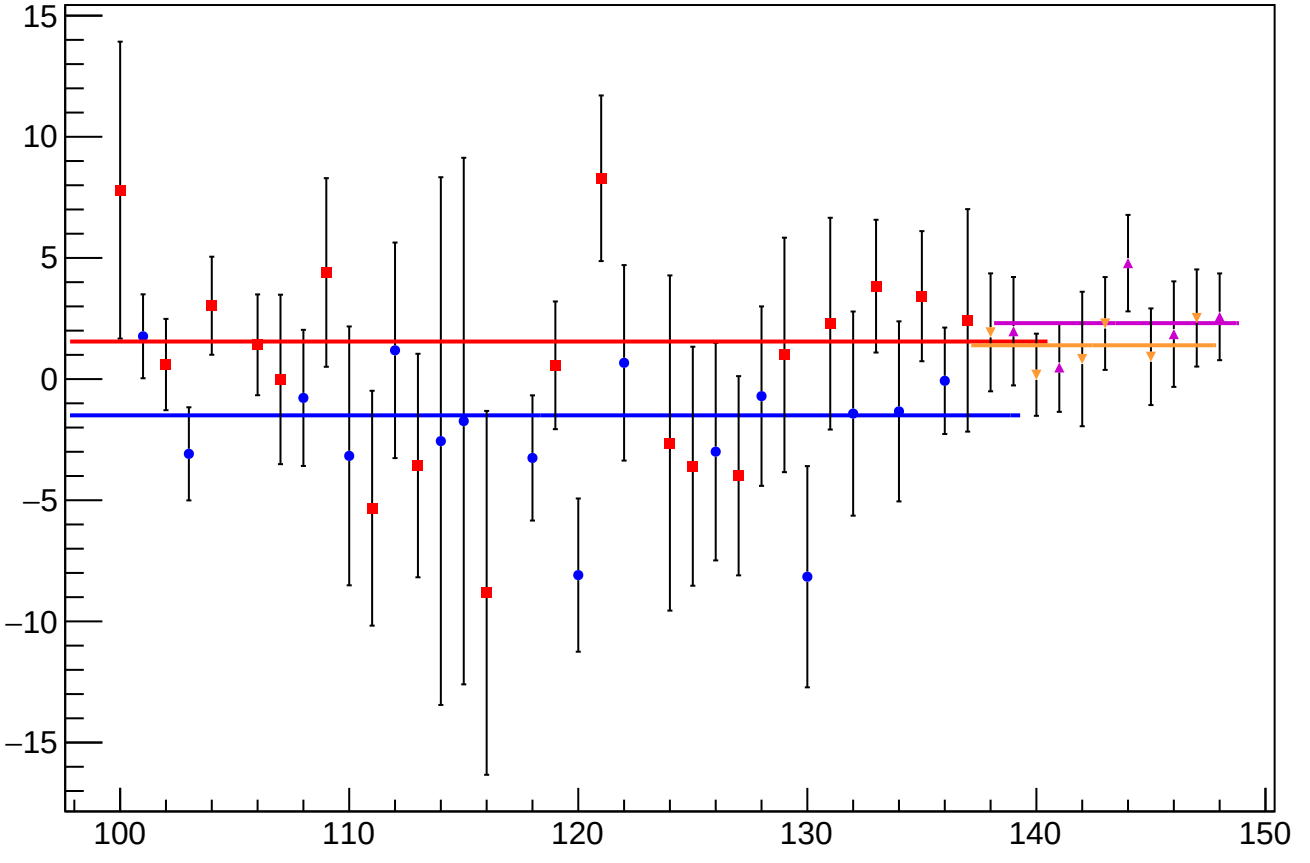
Left In: 10442.173+/-3.621 χ^2/NDF:261304.9/4

\+ sign 11157.534+/-2.359 χ^2/NDF: 1048624.0/21

All: 11145.924+/-1.667 χ^2/NDF: 2163770.8/4

\- sign 11134.328+/-2.357 χ^2/NDF: 1115098.5/23

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

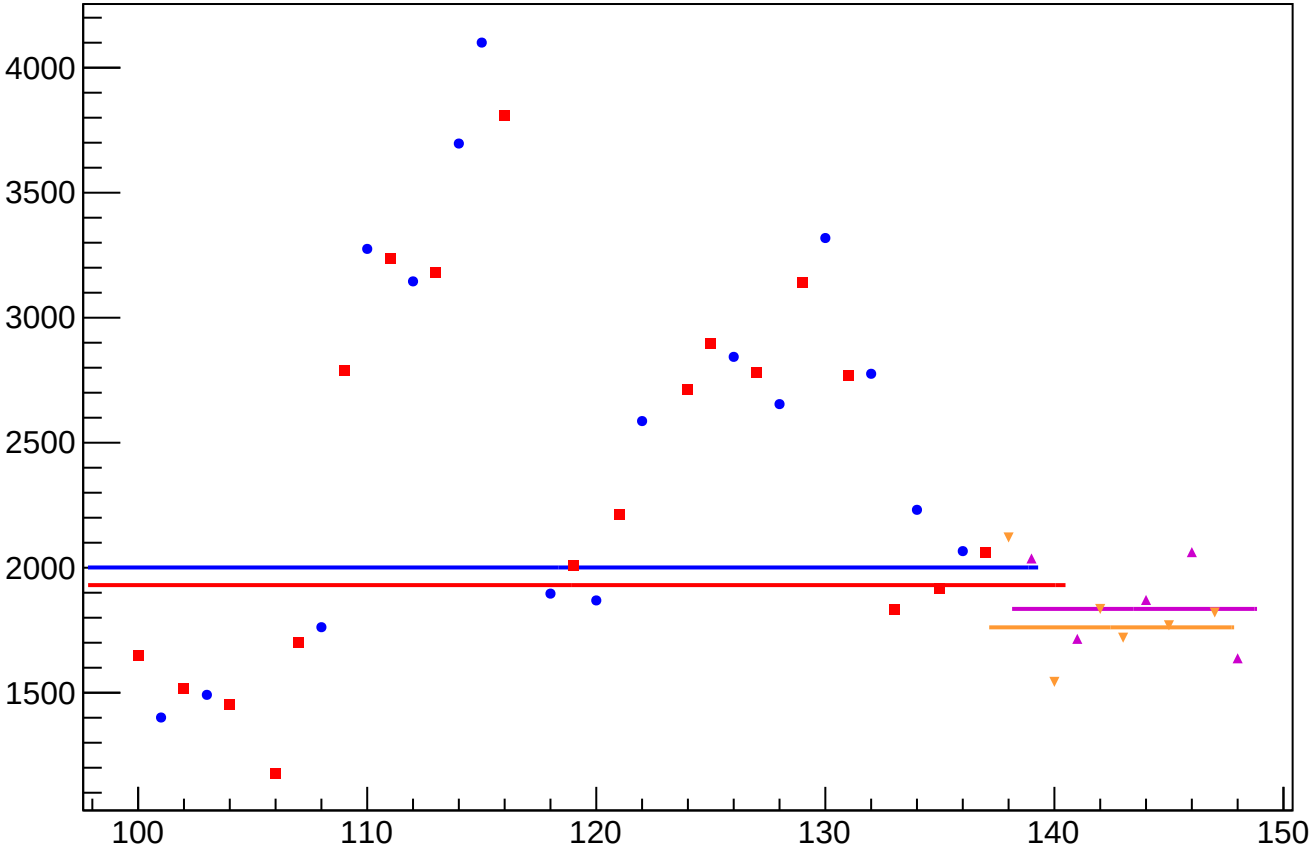
Left In: 2.309+/-0.886 χ^2/NDF:2.6/4

+ sign -0.159+/-0.571 χ^2/NDF: 20.2/21

All: 0.854+/-0.403 χ^2/NDF: 45.8/45

- sign 1.864+/-0.570 χ^2/NDF: 19.3/23

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

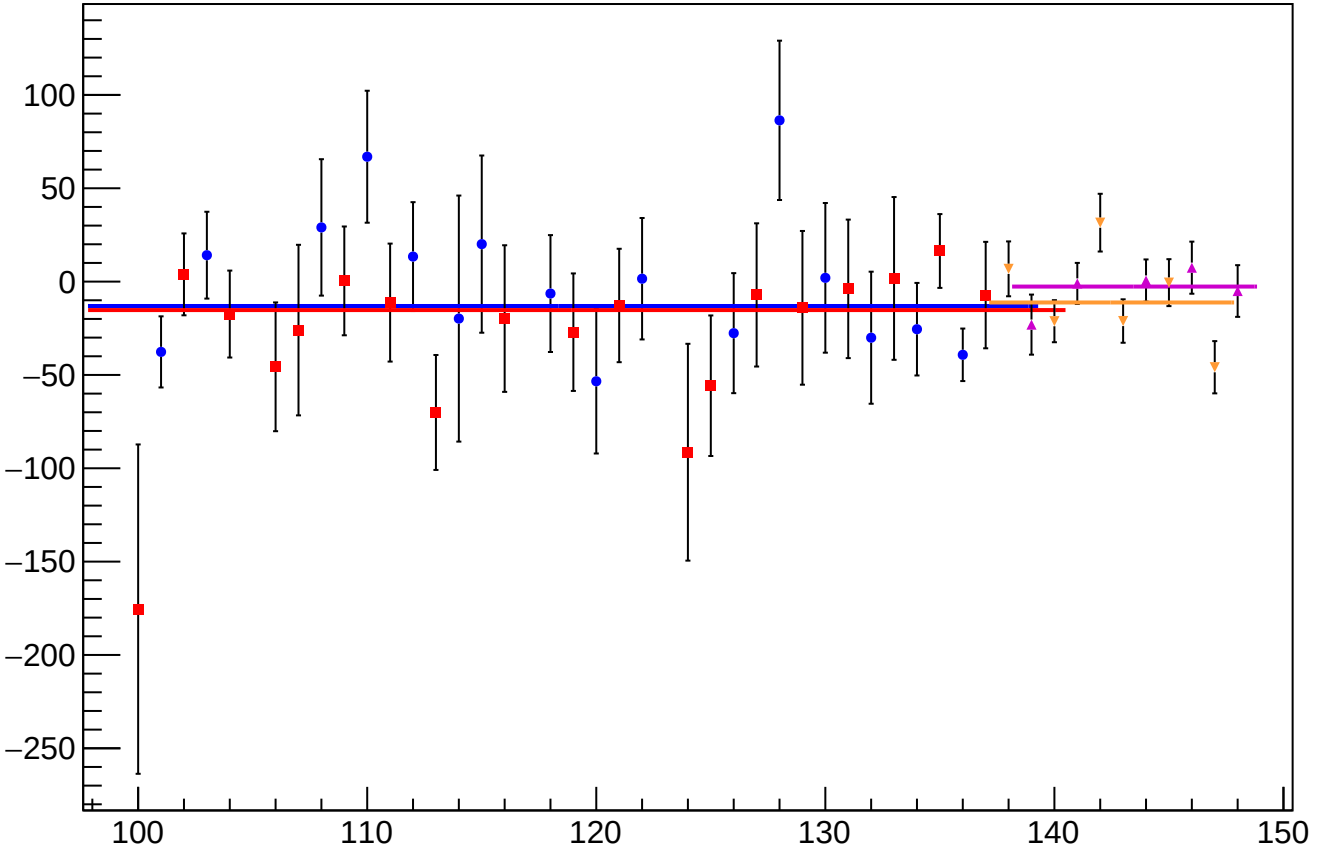
Left In: 1835.282+/-0.627 χ^2/NDF:71529.7/4

+ sign 1890.282+/-0.404 χ^2/NDF: 1358235.8/21

All: 1890.679+/-0.285 χ^2/NDF: 2846832.4/45

- sign 1891.075+/-0.403 χ^2/NDF: 1488594.6/23

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

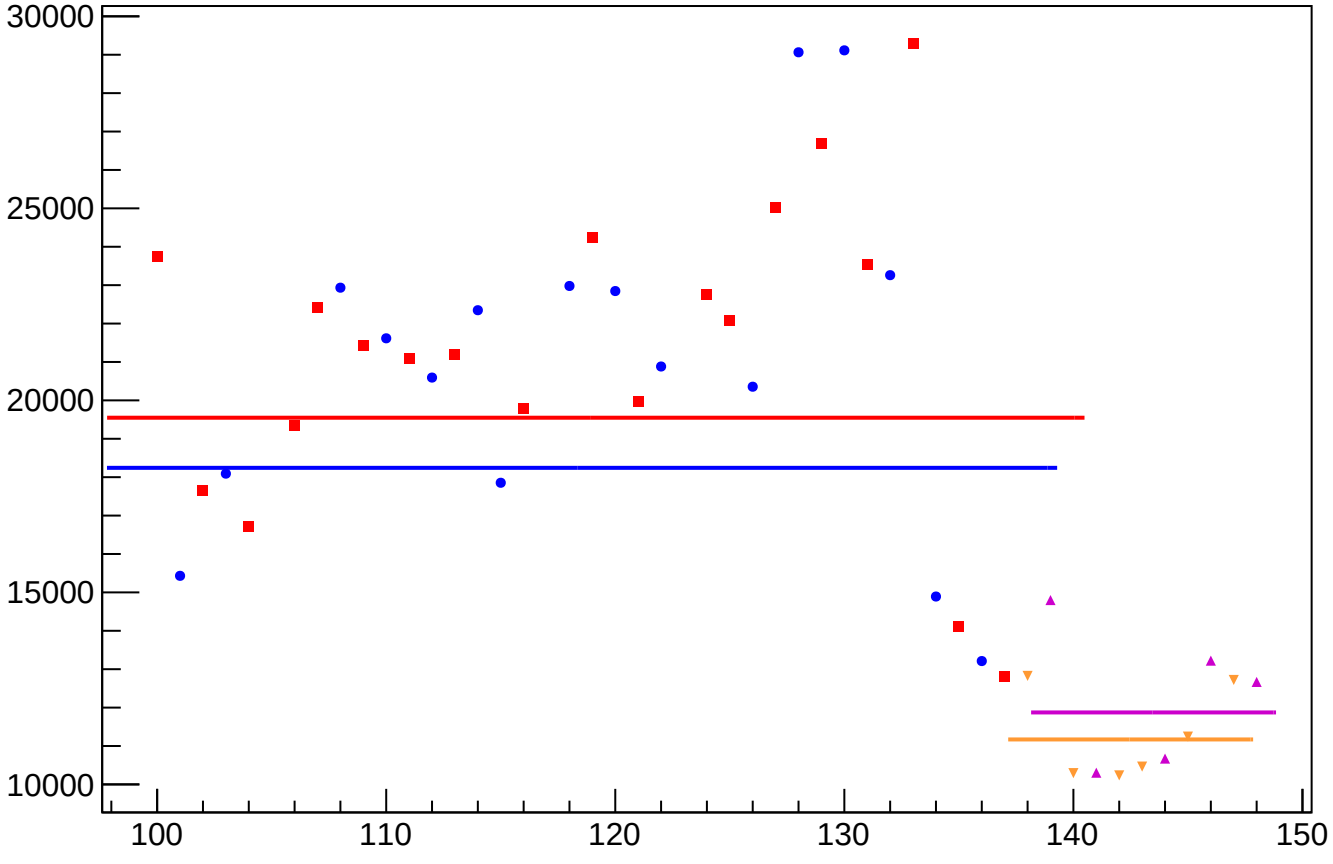
Left In: -2.658+/-5.744 χ^2/NDF:2.3/4

+ sign -11.868+/-4.235 χ^2/NDF: 39.4/21

All: -9.806+/-3.090 χ^2/NDF: 58.4/45

- sign -7.458+/-4.519 χ^2/NDF: 18.4/23

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

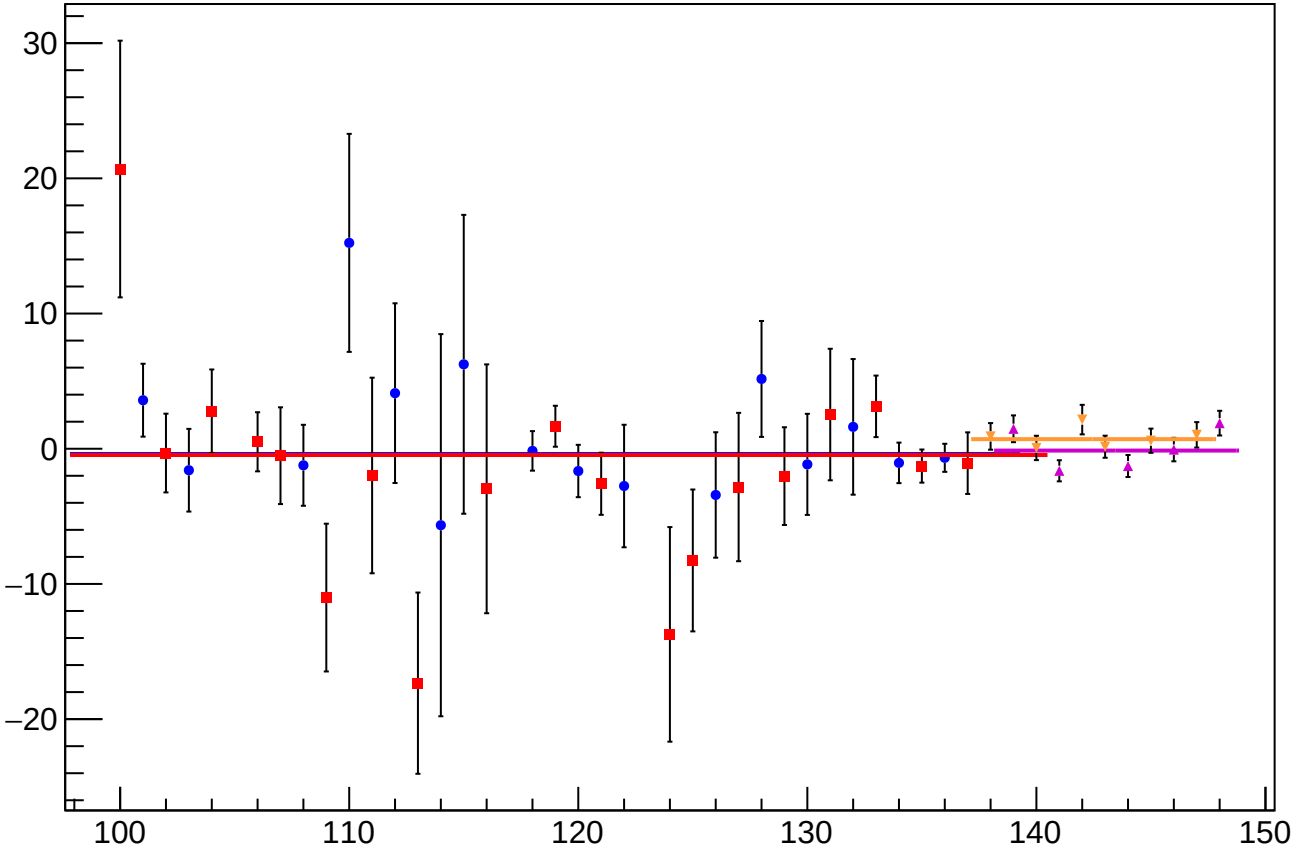
Left In: 11874.045+/-4.062 χ^2/NDF:154678.2/4

+ sign 13739.688+/-2.994 χ^2/NDF: 2186961.5/21

All: 14234.743+/-2.185 χ^2/NDF: 4382182.2/4

- sign 14798.520+/-3.195 χ^2/NDF: 2136760.9/23

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

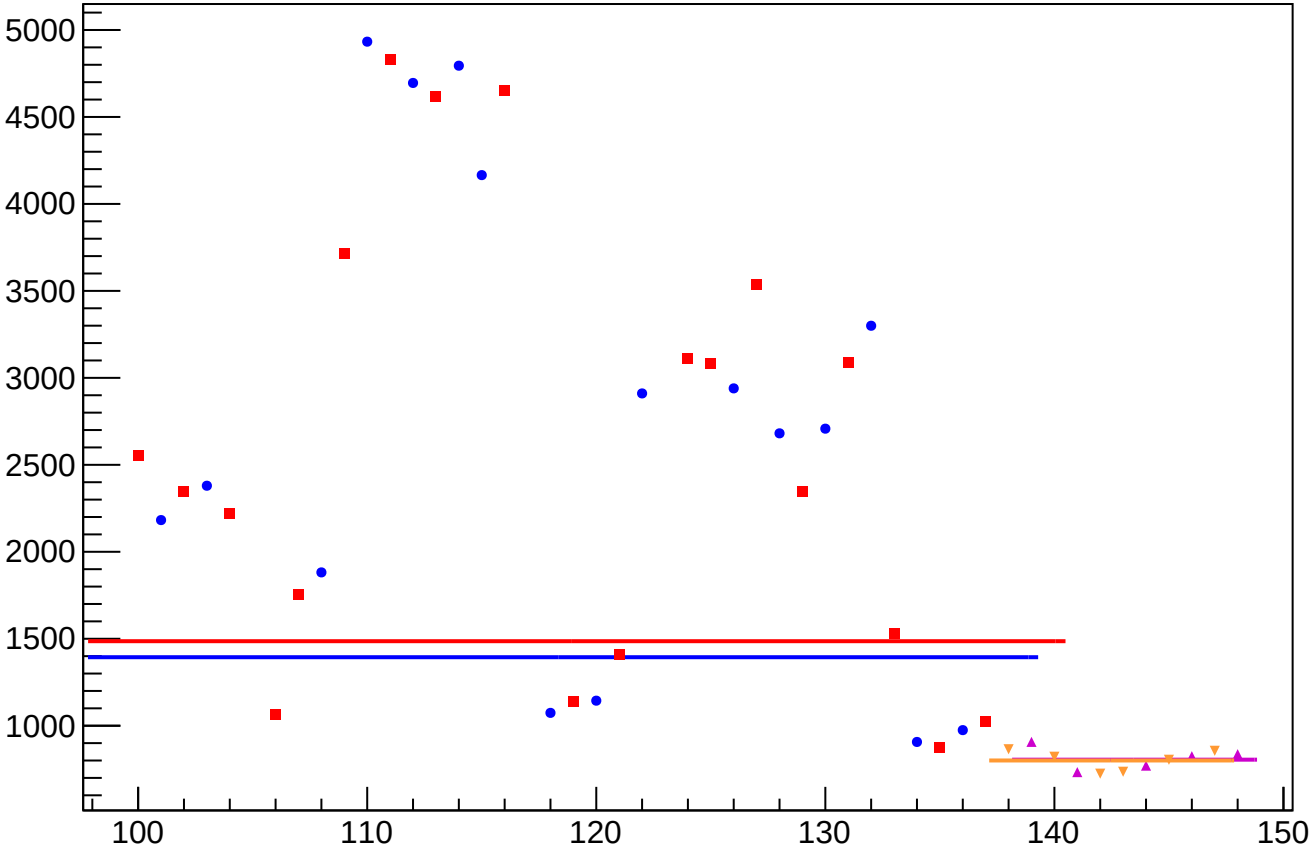
Left In: -0.135+/-0.387 χ^2/NDF:13.2/4

+ sign 0.395+/-0.320 χ^2/NDF: 15.8/21

All: 0.095+/-0.230 χ^2/NDF: 59.0/45

- sign -0.225+/-0.330 χ^2/NDF: 41.5/23

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

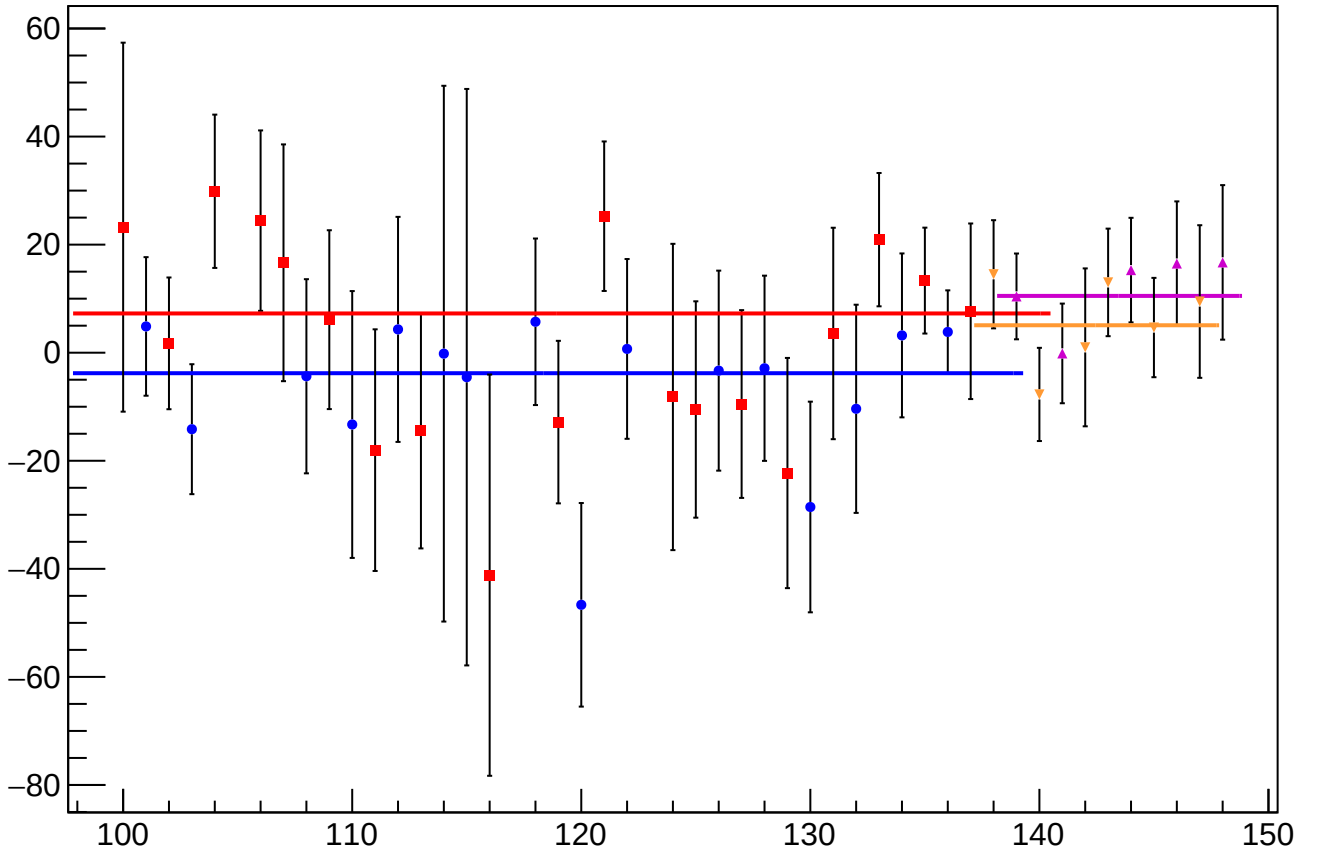
Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 804.847+/-0.273 χ^2/NDF:45164.0/4

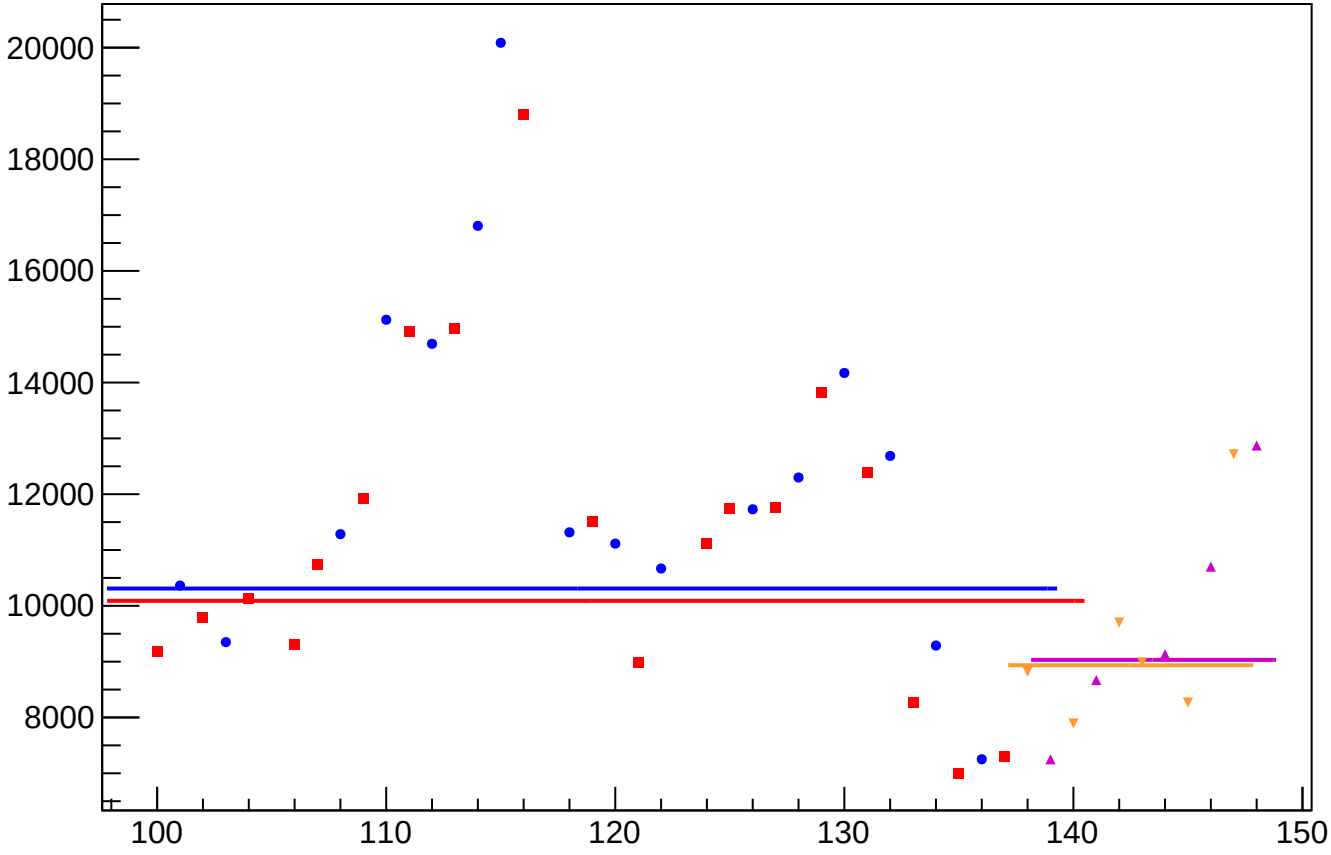
+ sign 969.171+/-0.226 χ^2/NDF: 4820310.0/21

All: 979.026+/-0.162 χ^2/NDF: 9951433.6/45

- sign 989.501+/-0.233 χ^2/NDF: 5127213.4/23


diff_bpmtargetsumY_mean vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 5.078+/-4.262 χ²/NDF:3.9/5
Right Out: 7.264+/-3.807 χ²/NDF: 17.3/18
Left In: 10.512+/-4.438 χ²/NDF:2.0/4
+ sign 0.298+/-2.894 χ²/NDF: 16.3/21
All: 4.476+/-2.045 χ²/NDF: 40.1/45
- sign 8.641+/-2.890 χ²/NDF: 19.6/23

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

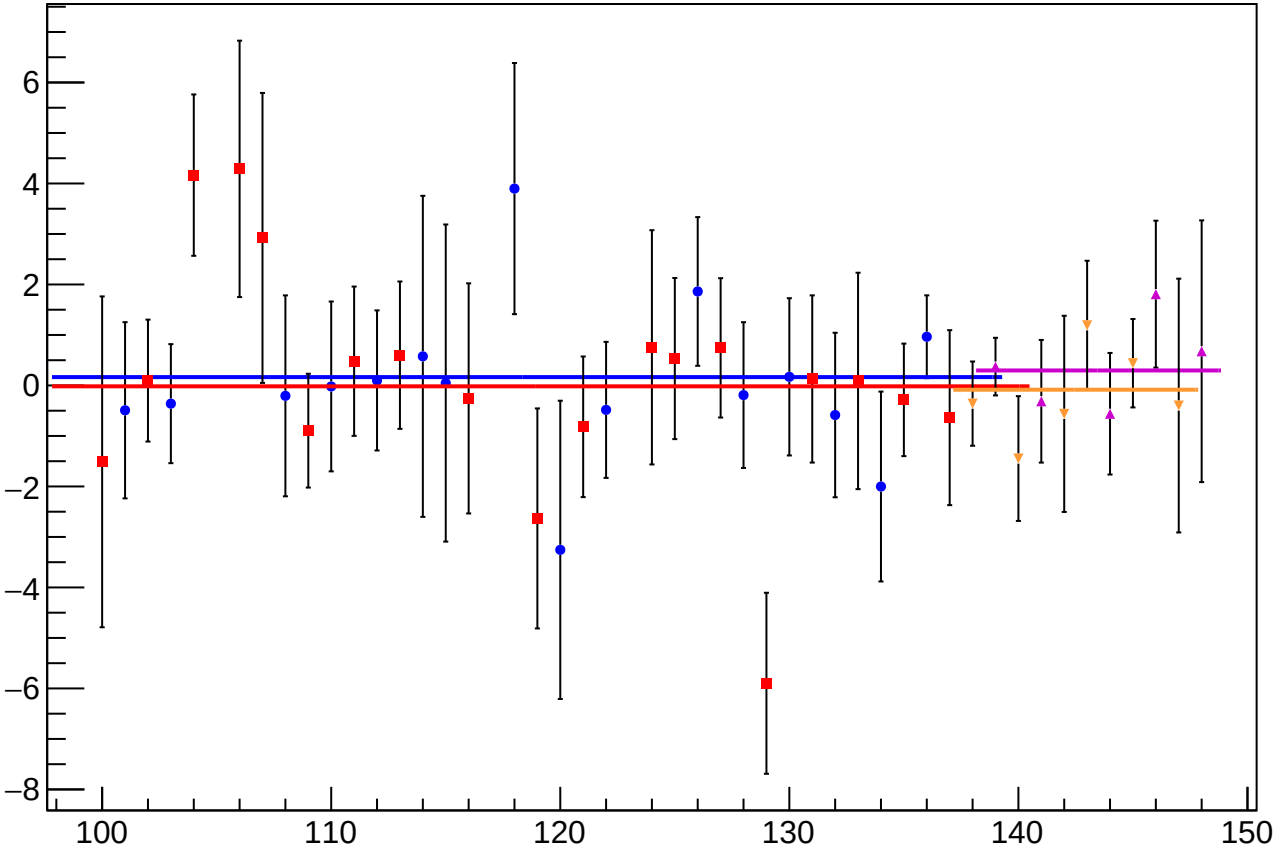
Left In: 9031.974+/-3.138 χ^2/NDF:290500.2/4

+ sign 9675.920+/-2.047 χ^2/NDF: 1071537.0/21

All: 9658.585+/-1.446 χ^2/NDF: 2220394.3/45

- sign 9641.306+/-2.043 χ^2/NDF: 1148714.1/23

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

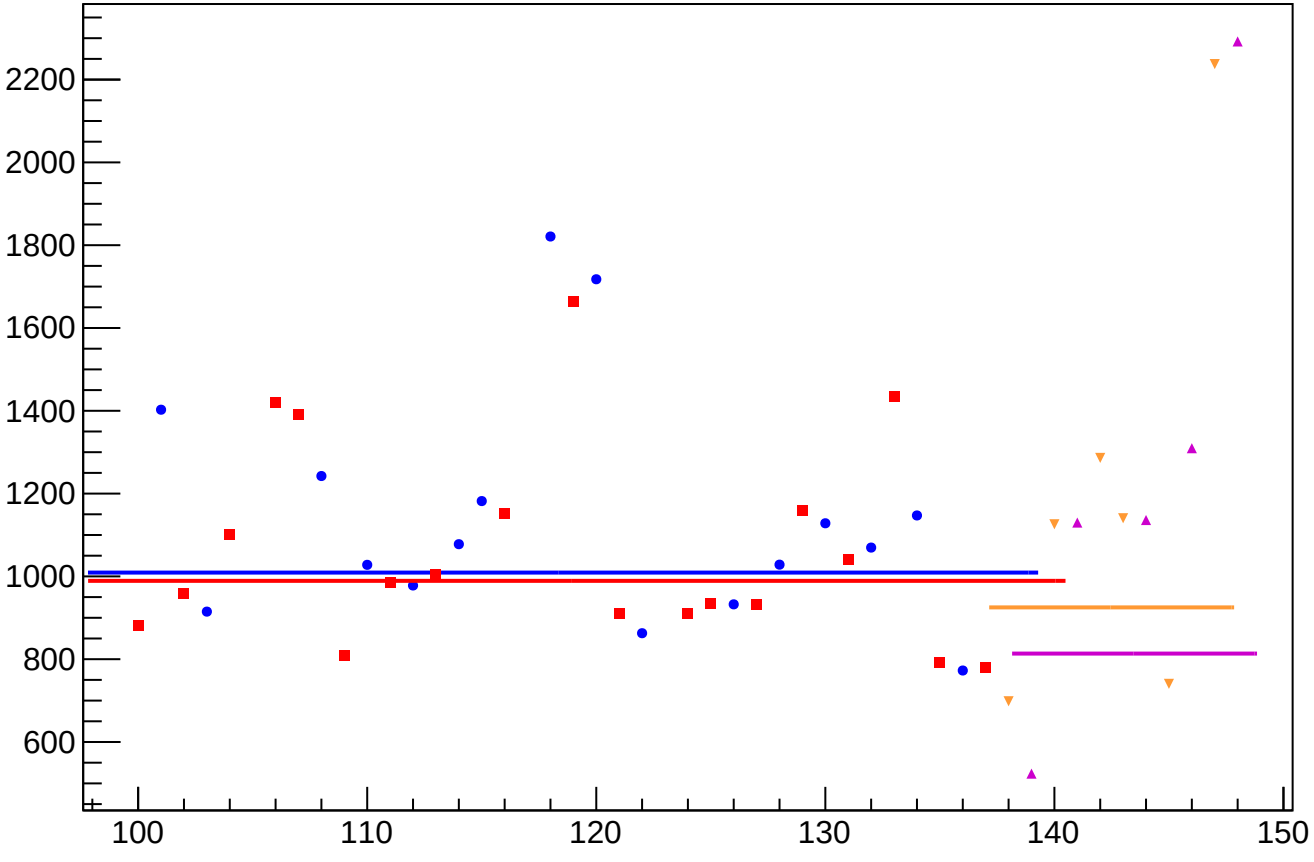
Left In: 0.297+/-0.444 χ^2/NDF:1.9/4

+ sign 0.066+/-0.300 χ^2/NDF: 11.0/21

All: 0.090+/-0.207 χ^2/NDF: 38.4/45

- sign 0.112+/-0.285 χ^2/NDF: 27.3/23

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

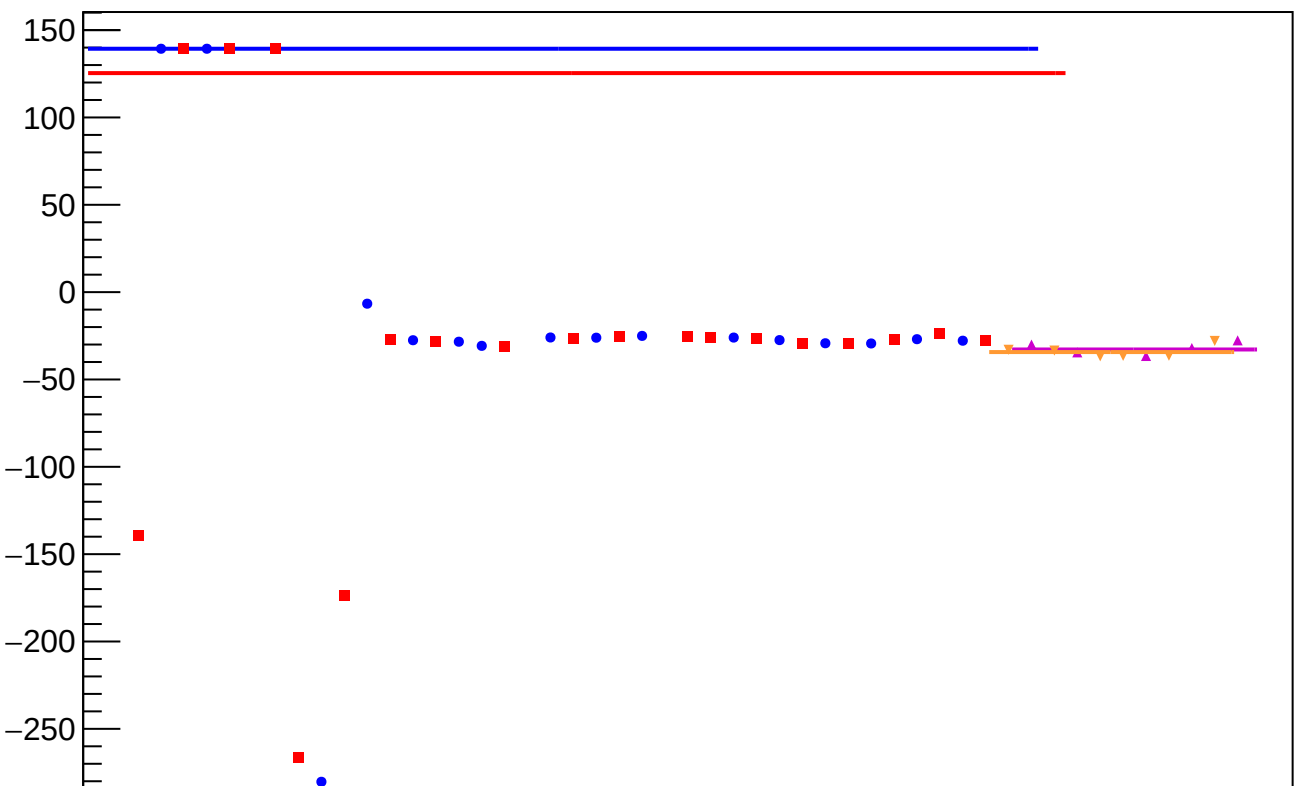
Left In: 813.559+/-0.314 χ^2/NDF:1680035.8/4

+ sign 975.739+/-0.212 χ^2/NDF: 1697853.8/21

All: 944.829+/-0.146 χ^2/NDF: 4177908.2/45

- sign 916.809+/-0.202 χ^2/NDF: 2439496.5/23

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

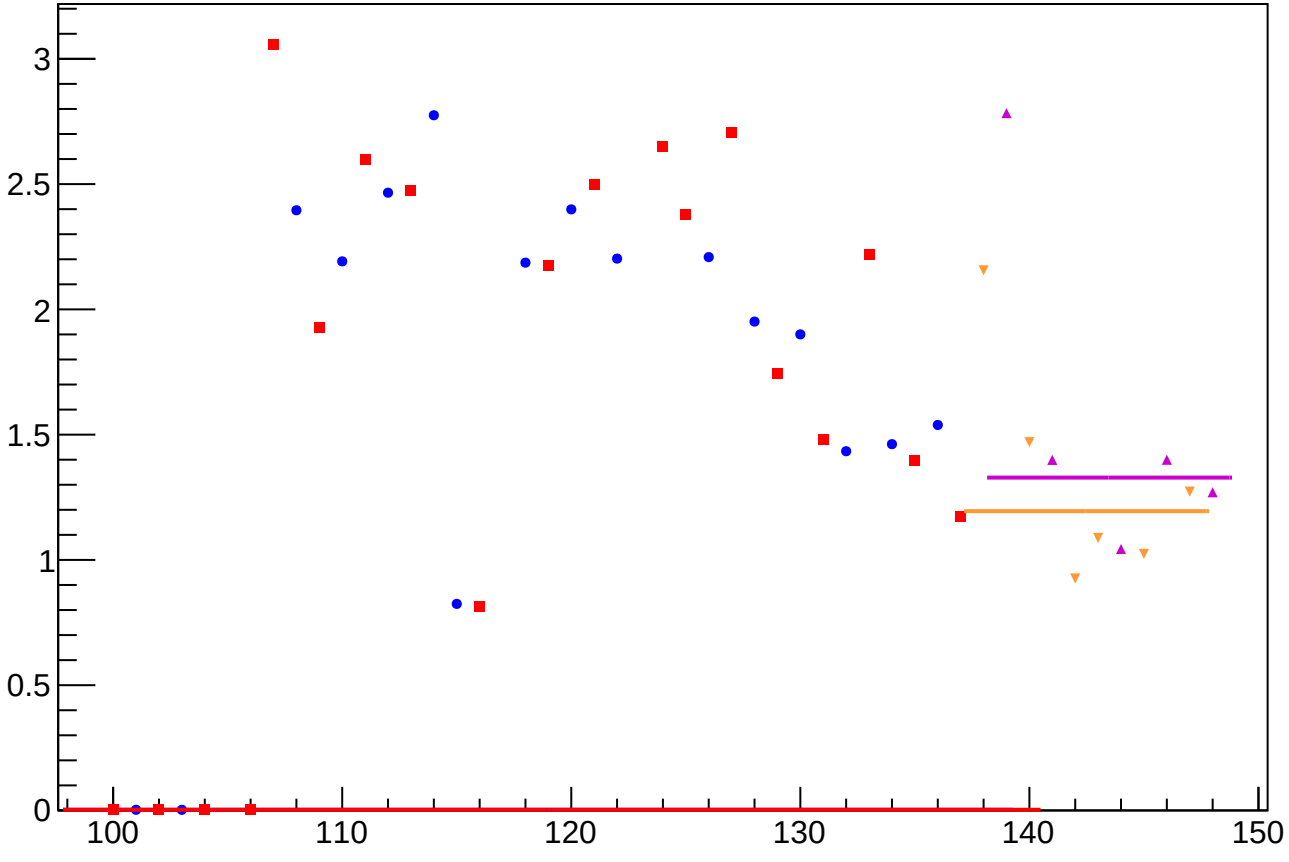
Left In: -32.828+/-0.001 χ^2/NDF:21925275.3/4

+ sign 139.335+/-0.000 χ^2/NDF: 114433331808.3/2

All: 131.816+/-0.000 χ^2/NDF: 79311593080

- sign 125.390+/-0.000 χ^2/NDF: 774218638476668

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

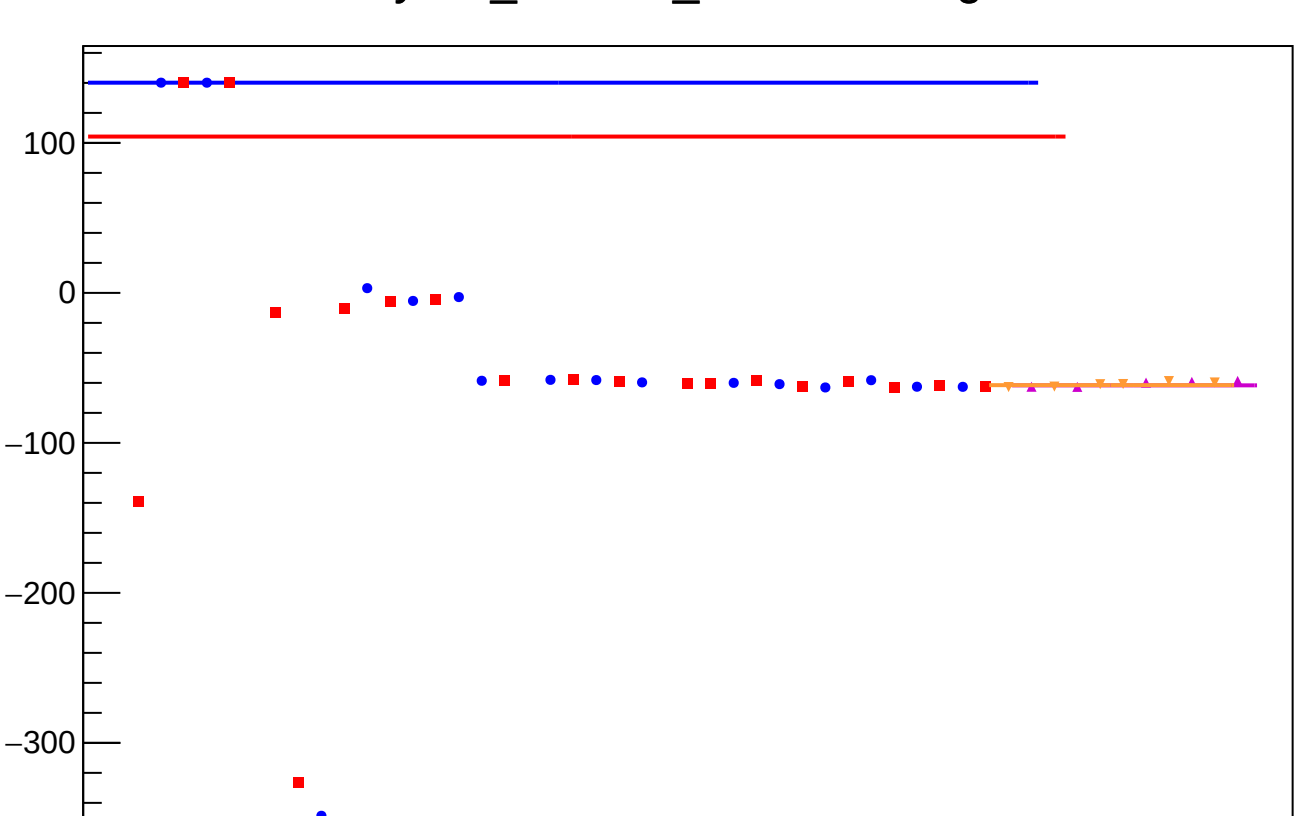
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.329+/-0.001 χ^2/NDF:558562.0/4

+ sign 0.003+/-0.000 χ^2/NDF: 16308669.3/21

All: 0.003+/-0.000 χ^2/NDF: 32991695.1/45

- sign 0.003+/-0.000 χ^2/NDF: 16682800.2/23



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

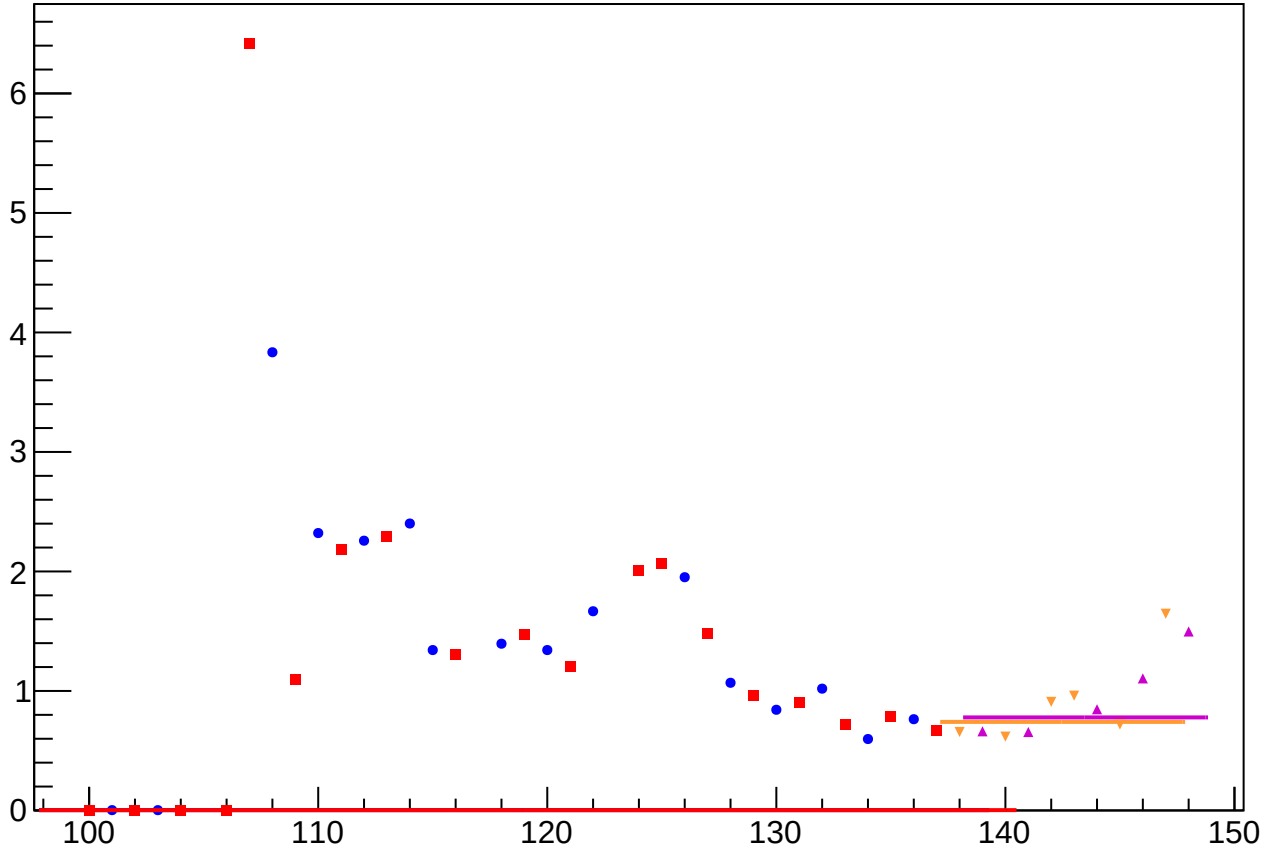
Left In: -61.641+/-0.000 χ^2/NDF:11955742.9/4

+ sign 140.136+/-0.000 χ^2/NDF: 438953956109.3/2

All: 120.826+/-0.000 χ^2/NDF: 13812848123(

- sign 104.220+/-0.000 χ^2/NDF: 125755348154629

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

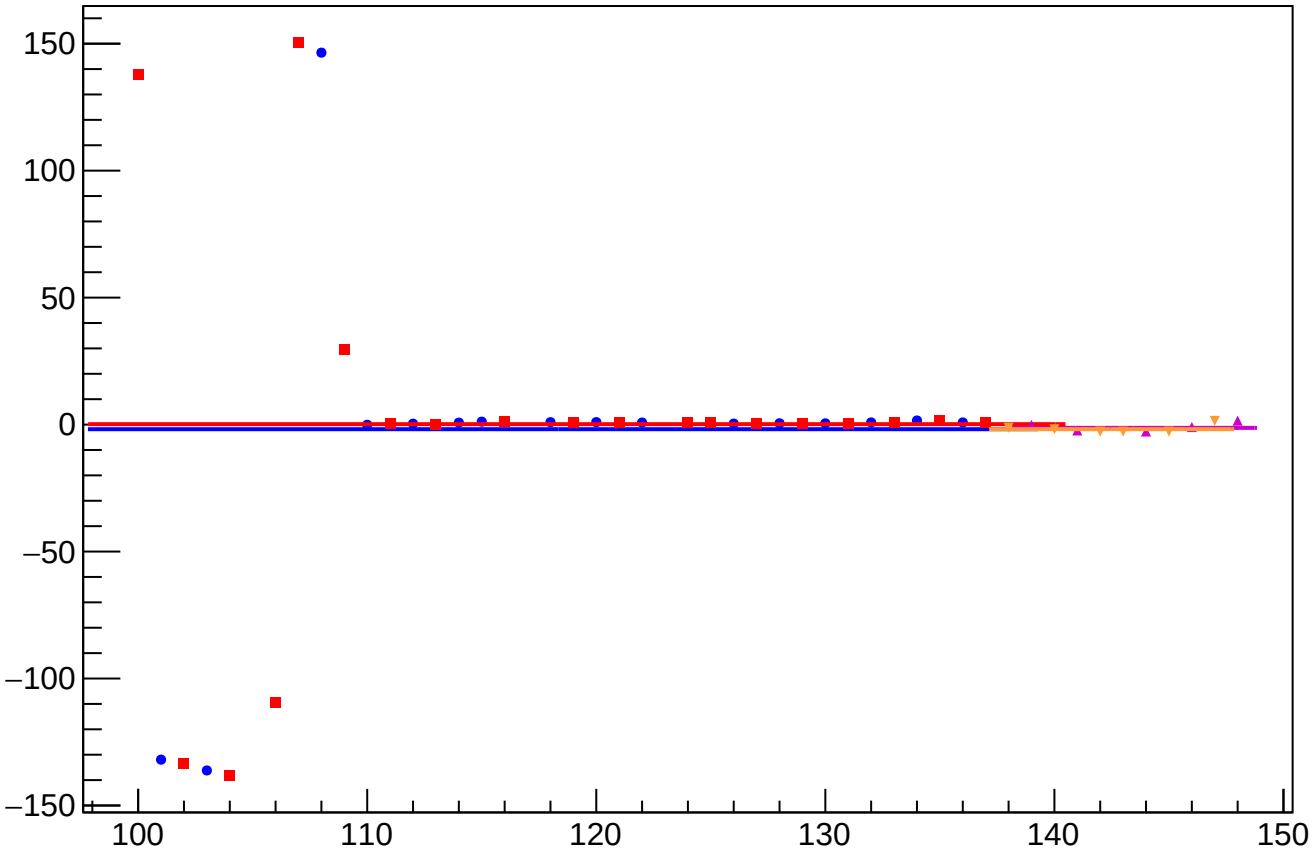
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.779+/-0.000 χ^2/NDF:551374.3/4

+ sign 0.003+/-0.000 χ^2/NDF: 17925027.0/21

All: 0.003+/-0.000 χ^2/NDF: 35377497.0/45

- sign 0.003+/-0.000 χ^2/NDF: 17452195.5/23



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

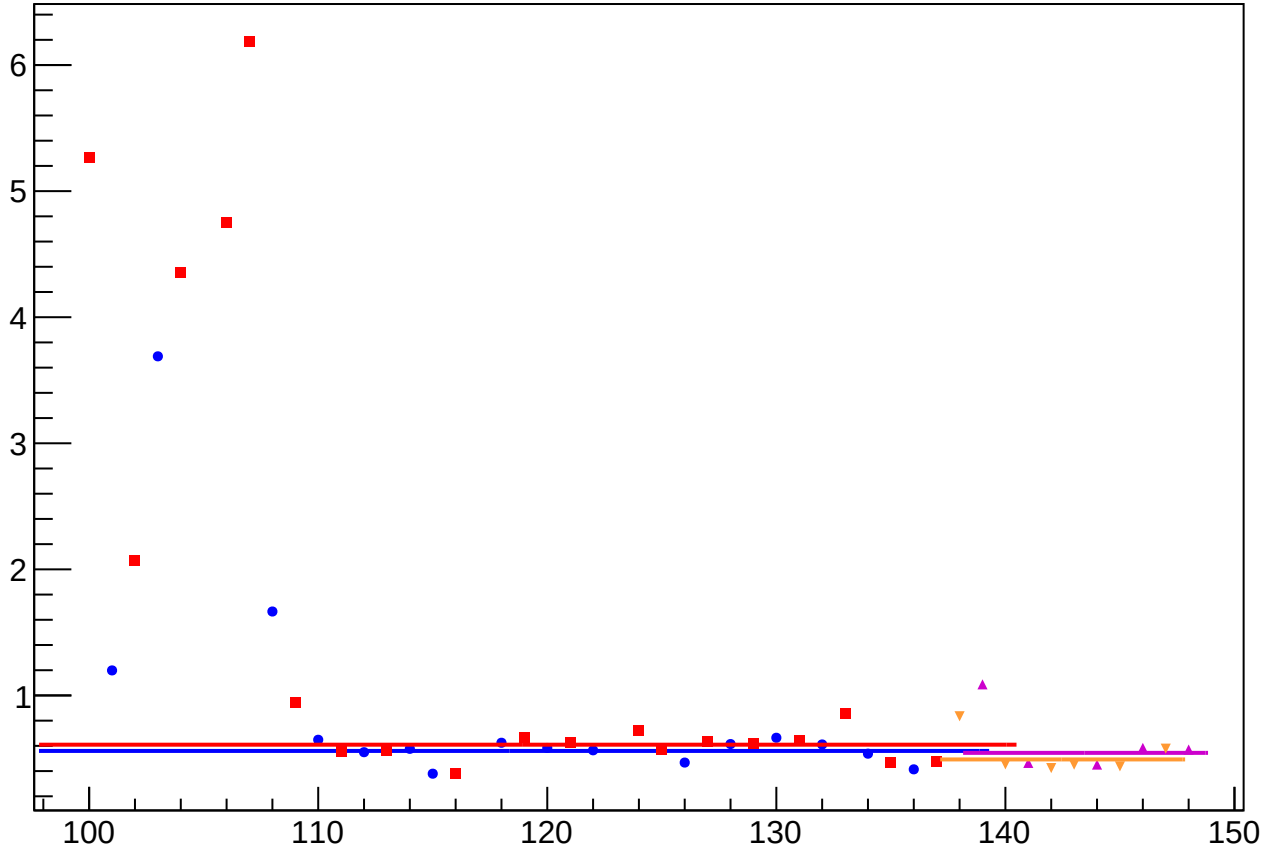
Left In: -1.291+/-0.000 χ^2/NDF:27429681.3/4

+ sign -1.813+/-0.000 χ^2/NDF: 9915983655.7/21

All: -1.214+/-0.000 χ^2/NDF: 13590696336.6/

- sign -0.490+/-0.000 χ^2/NDF: 3651421012.3/23

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

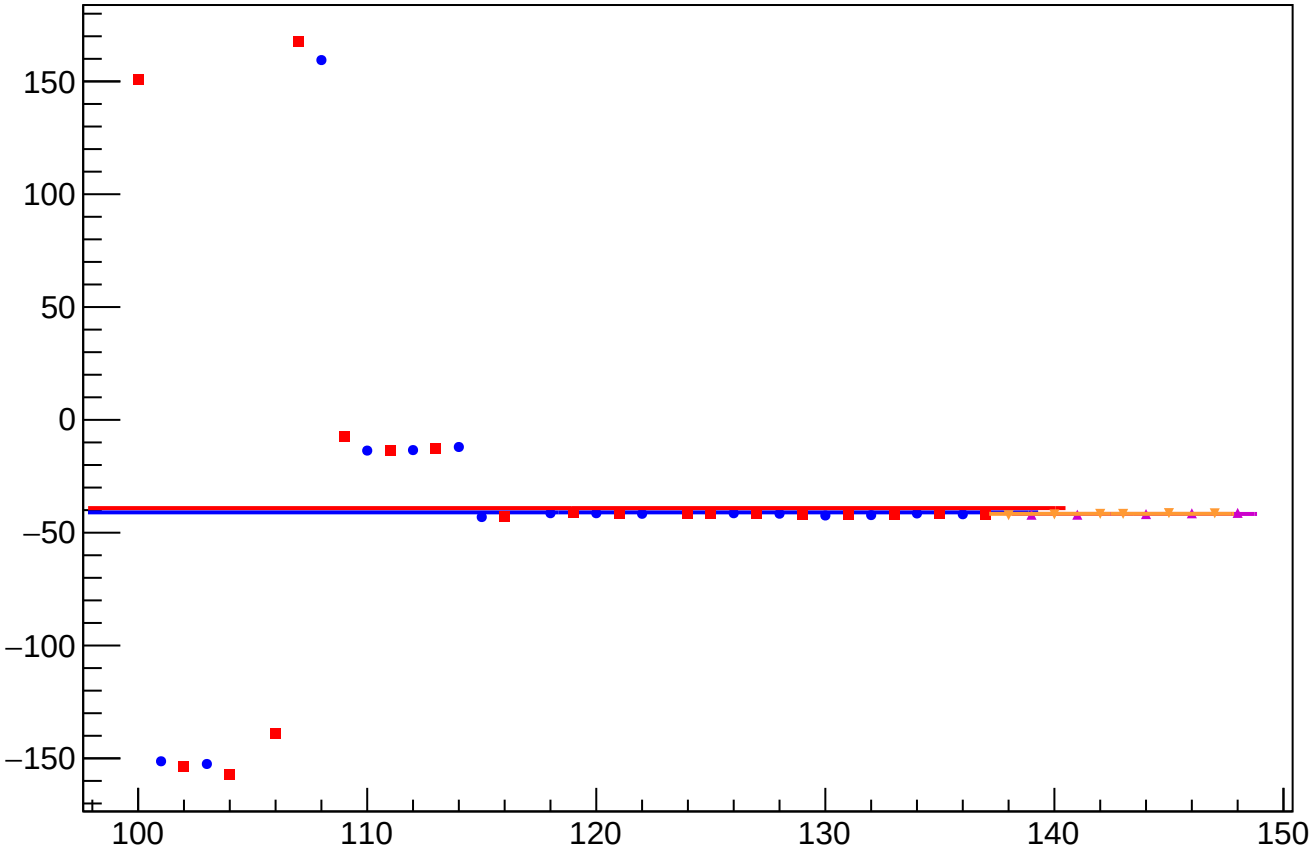
Left In: 0.544+/-0.000 χ^2/NDF:520367.7/4

+ sign 0.529+/-0.000 χ^2/NDF: 1970778.4/21

All: 0.552+/-0.000 χ^2/NDF: 5086375.3/45

- sign 0.580+/-0.000 χ^2/NDF: 3046975.4/23

yield_cav4cY_mean vs Slug



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

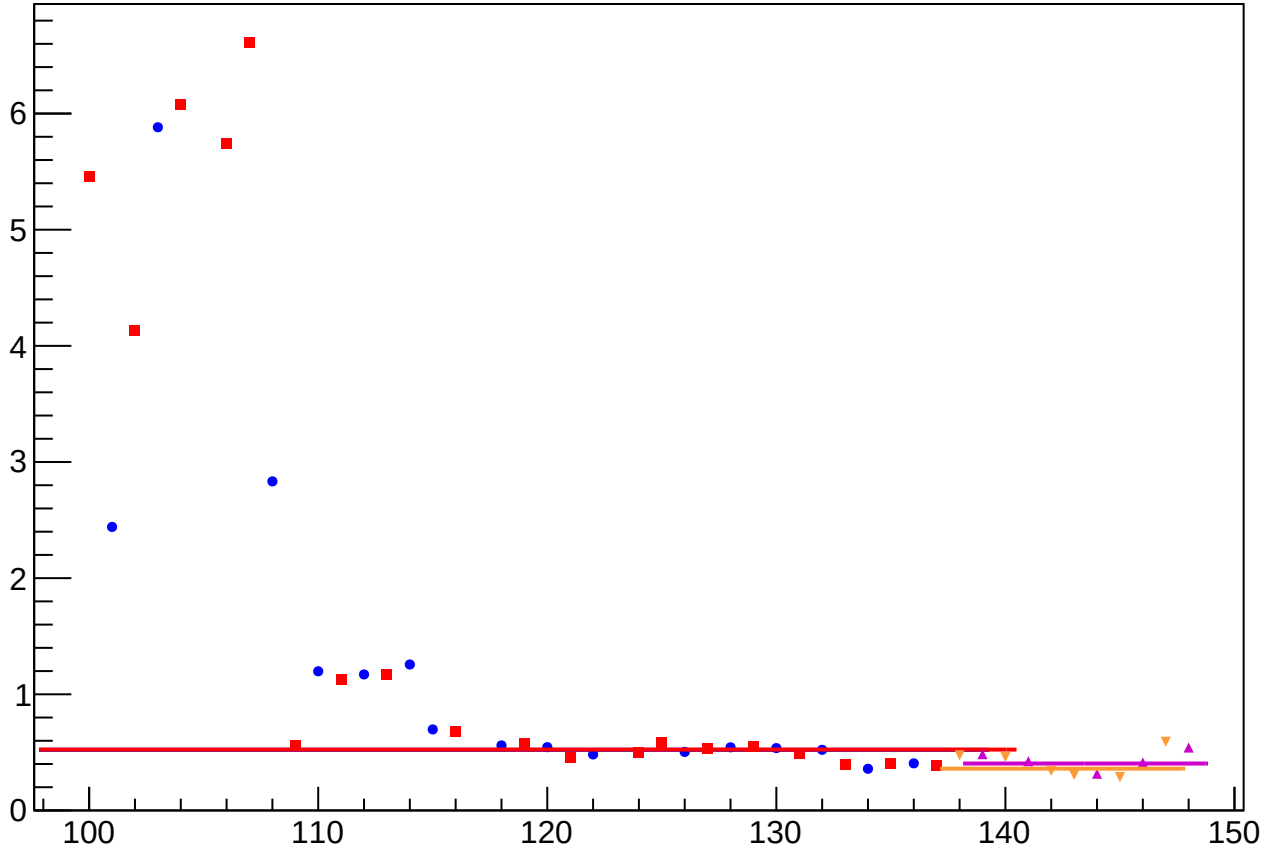
Left In: -41.695+/-0.000 χ^2/NDF:1849293.1/4

+ sign -41.388+/-0.000 χ^2/NDF: 3456777633.4/21

All: -41.013+/-0.000 χ^2/NDF: 6021985082.8/

- sign -40.573+/-0.000 χ^2/NDF: 2550354798.2/23

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

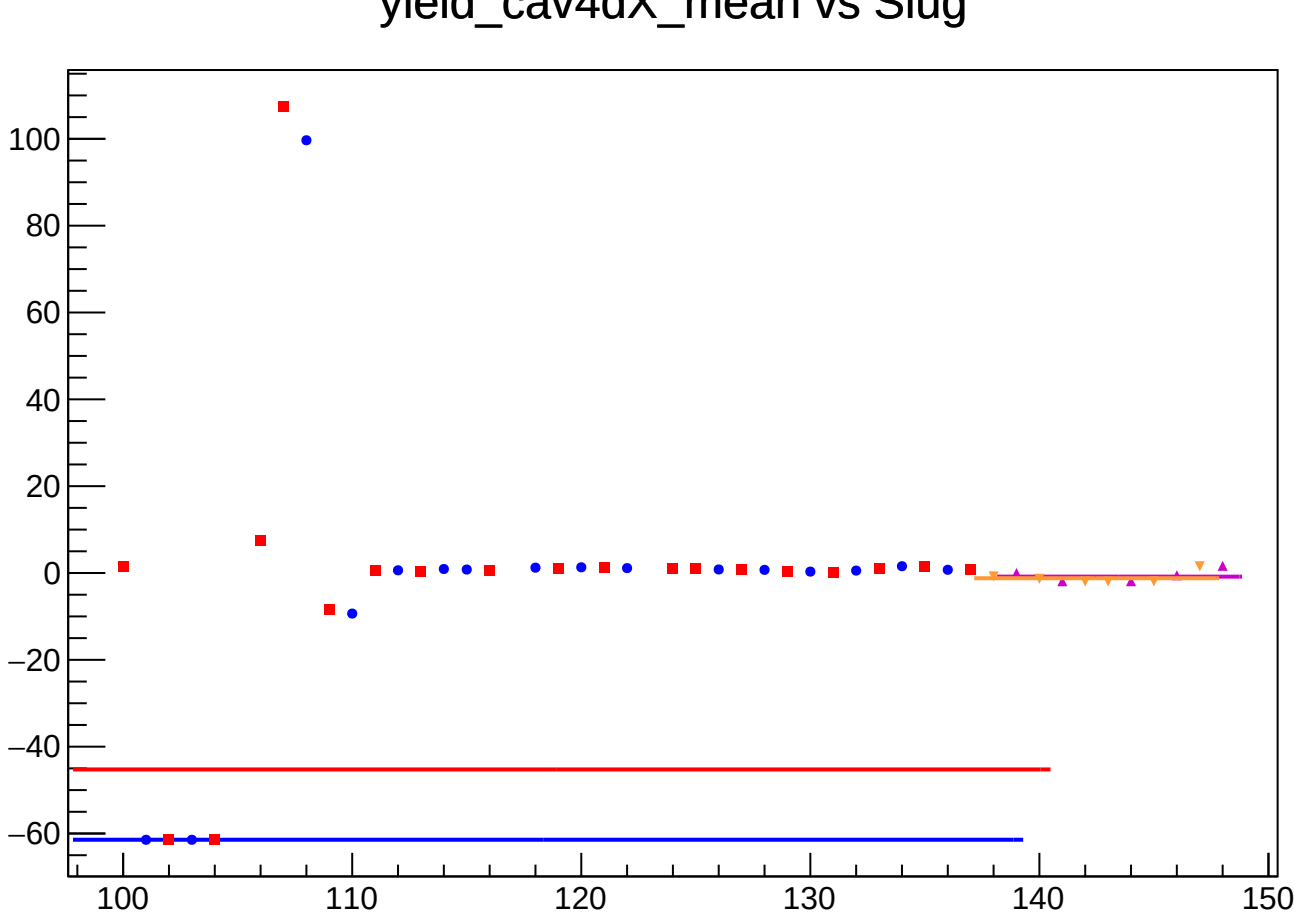
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.404+/-0.000 χ^2/NDF:279508.2/4

+ sign 0.421+/-0.000 χ^2/NDF: 4098192.7/21

All: 0.437+/-0.000 χ^2/NDF: 7987724.6/45

- sign 0.456+/-0.000 χ^2/NDF: 3835876.0/23



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

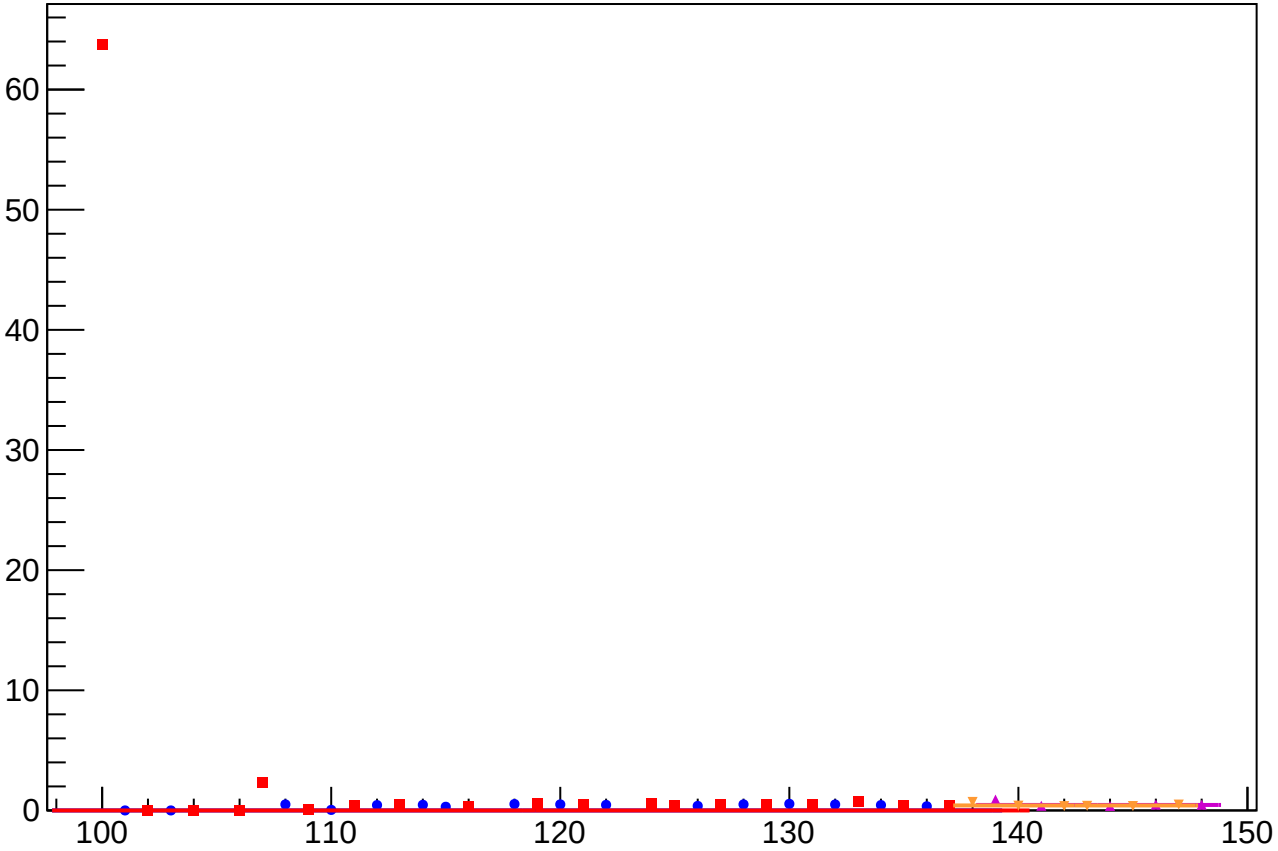
Left In: -0.835+/-0.000 χ^2/NDF:28621607.8/4

+ sign -61.433+/-0.000 χ^2/NDF: 340763682942.3/2

All: -52.747+/-0.000 χ^2/NDF: 409213063974

- sign -45.243+/-0.000 χ^2/NDF: 357900979532540.

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

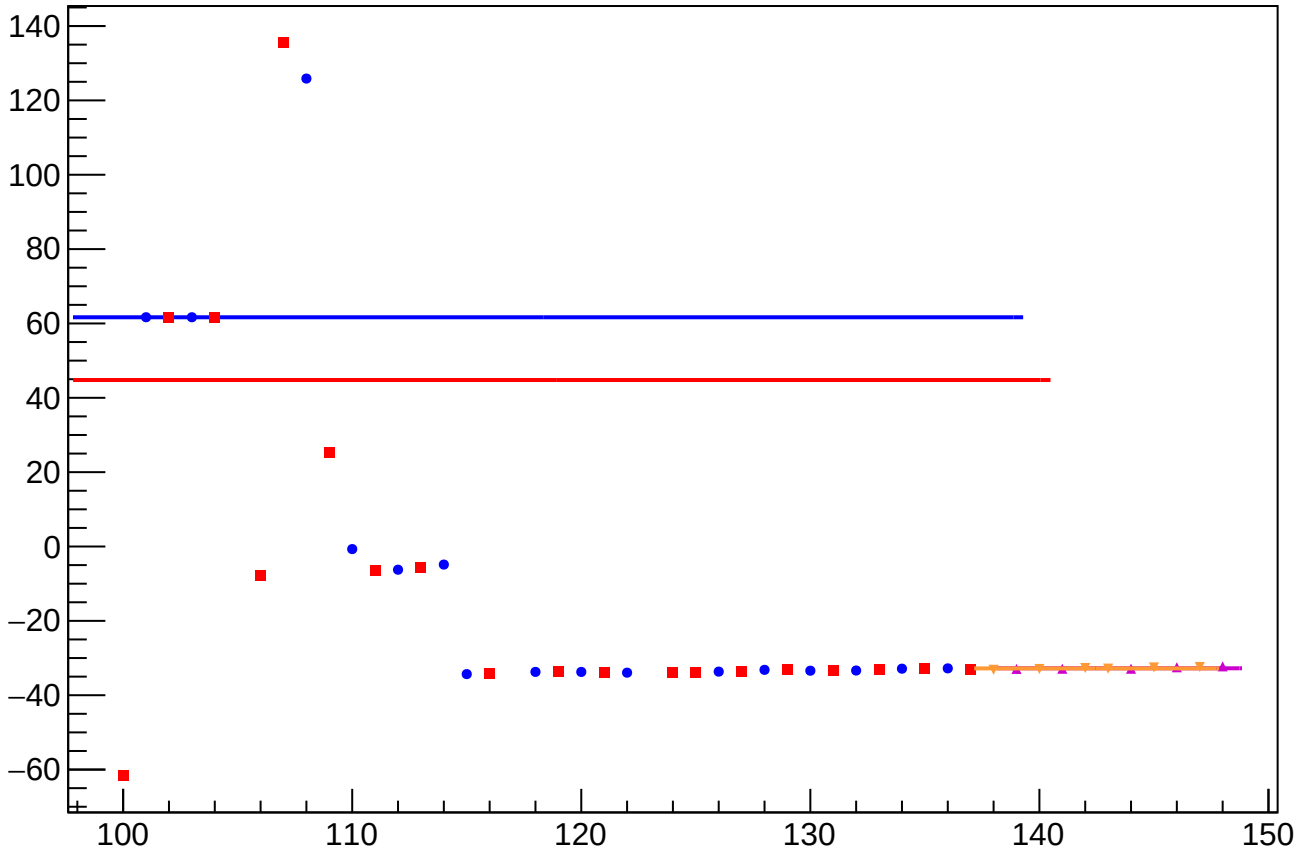
Left In: 0.457+/-0.000 χ^2/NDF:514775.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 15888252.9/21

All: 0.001+/-0.000 χ^2/NDF: 32206409.3/45

- sign 0.001+/-0.000 χ^2/NDF: 16318138.5/23

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

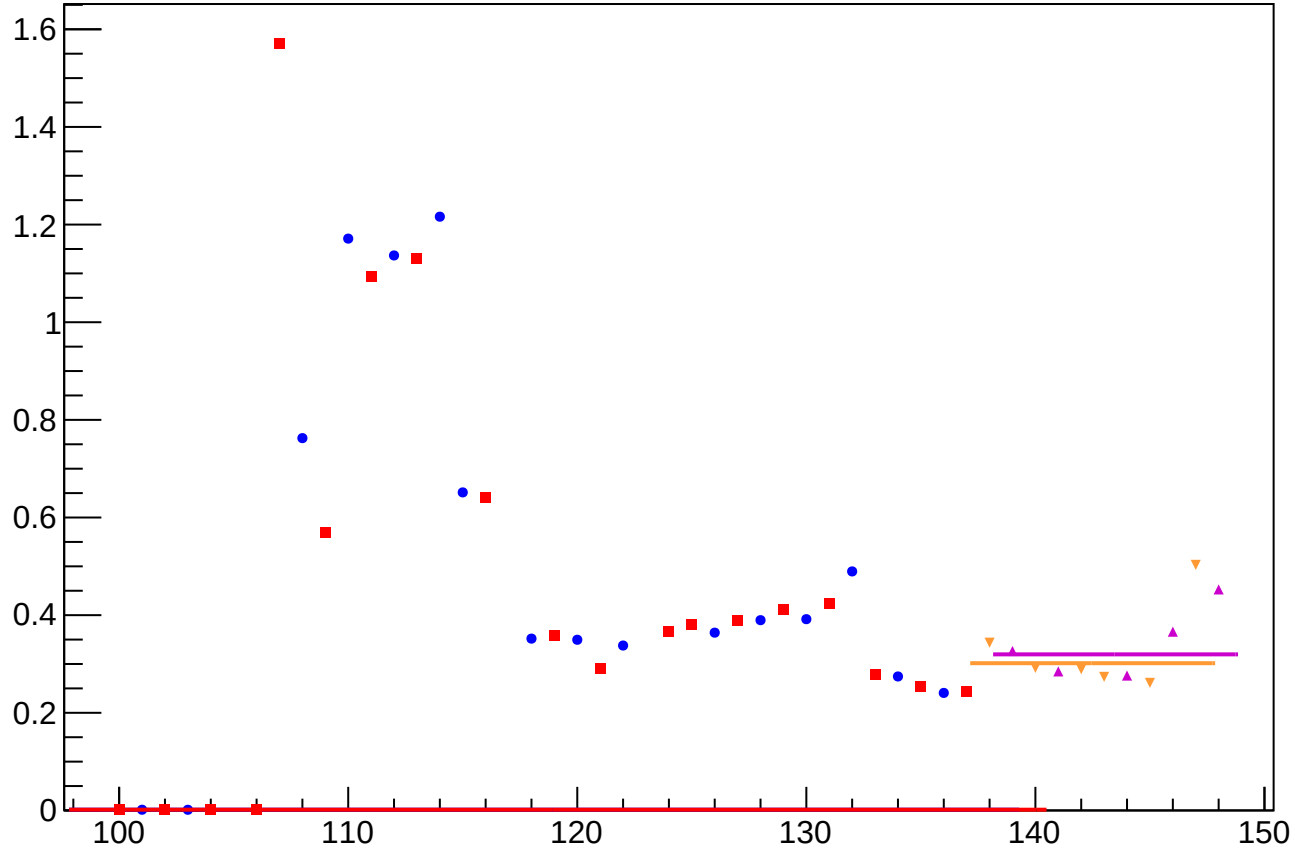
Left In: -32.755+/-0.000 χ^2/NDF:1999770.9/4

+ sign 61.649+/-0.000 χ^2/NDF: 775908579425.8/21

All: 52.678+/-0.000 χ^2/NDF: 418187696824

- sign 44.778+/-0.000 χ^2/NDF: 366330921190620.

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

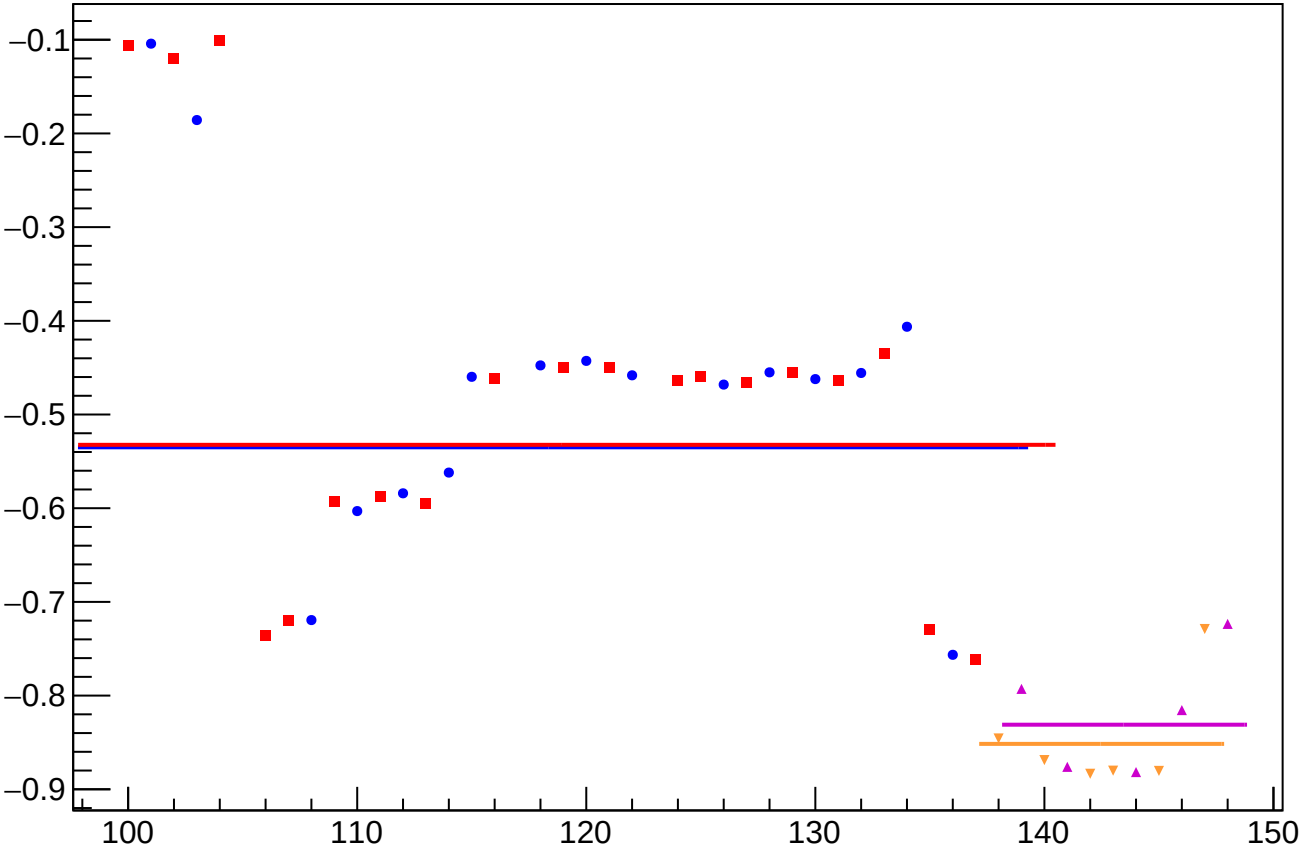
Left In: 0.320+/-0.000 χ^2/NDF:231084.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 19566970.9/21

All: 0.002+/-0.000 χ^2/NDF: 38309214.2/45

- sign 0.002+/-0.000 χ^2/NDF: 18742200.0/23

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

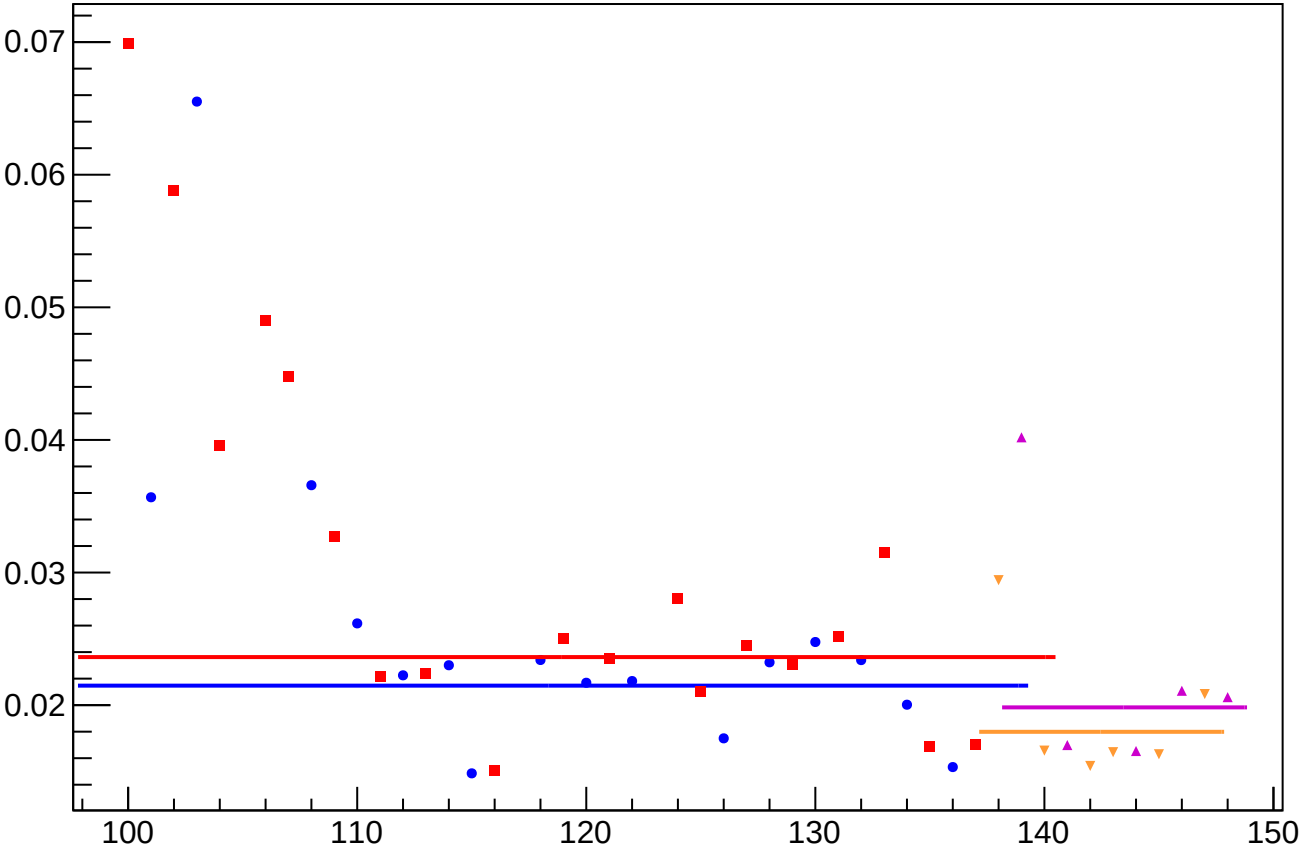
Left In: -0.831+/-0.000 χ^2/NDF:29879732.4/4

+ sign -0.681+/-0.000 χ^2/NDF: 865946681.4/21

All: -0.674+/-0.000 χ^2/NDF: 1514268712.7/4

- sign -0.667+/-0.000 χ^2/NDF: 646539382.1/23

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

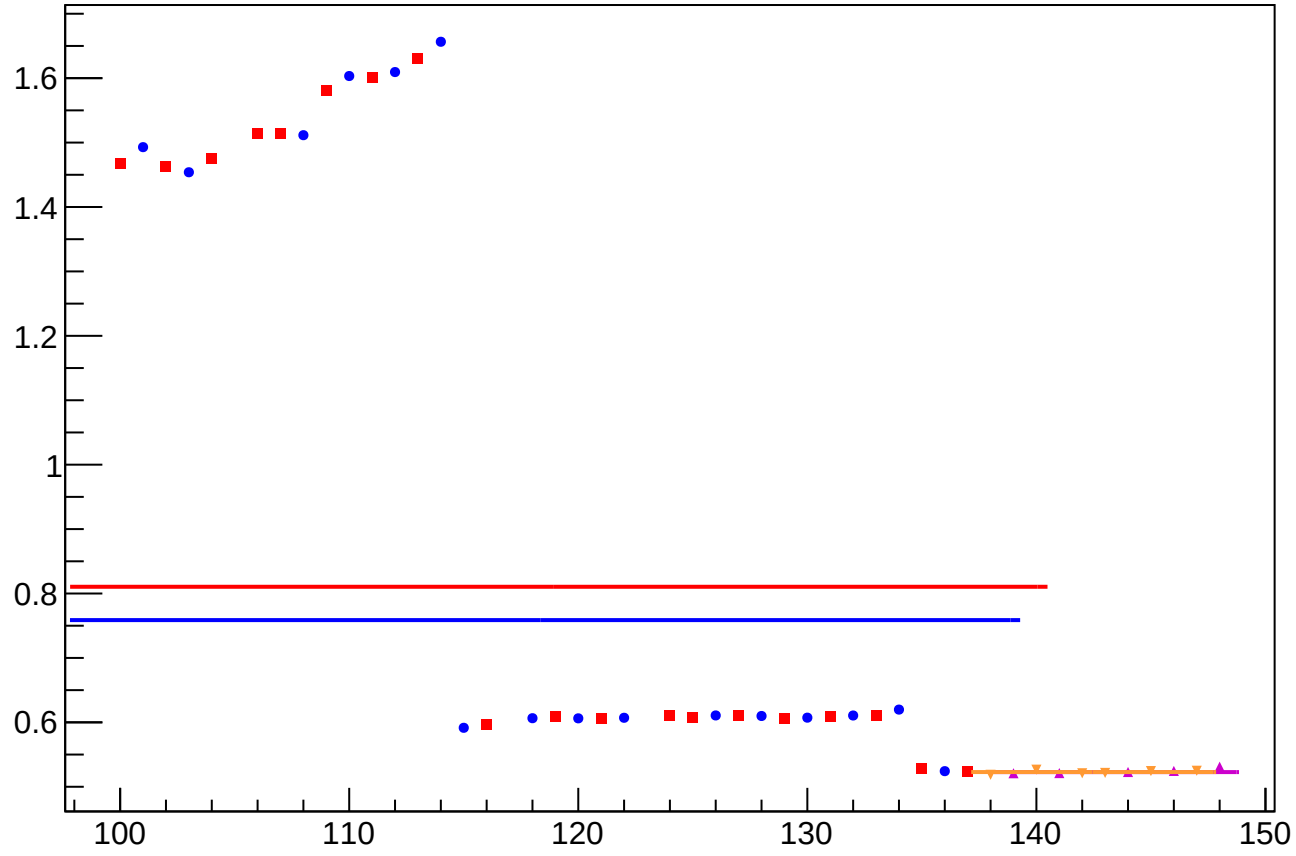
Left In: 0.020+/-0.000 χ^2/NDF:524663.3/4

+ sign 0.020+/-0.000 χ^2/NDF: 1551887.3/21

All: 0.021+/-0.000 χ^2/NDF: 3566032.0/45

- sign 0.022+/-0.000 χ^2/NDF: 1931752.3/23

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

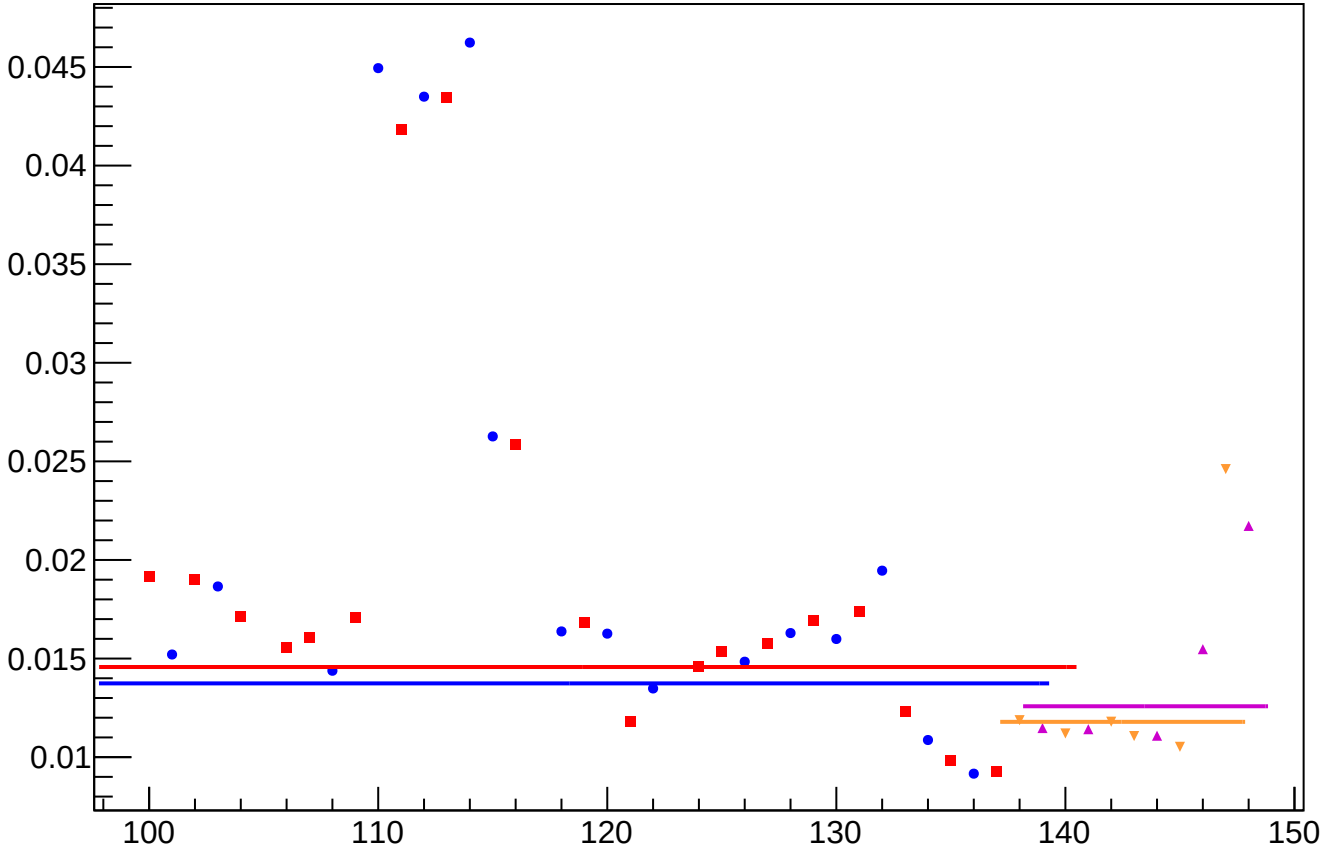
Left In: 0.523+/-0.000 χ^2/NDF:164757.5/4

+ sign 0.645+/-0.000 χ^2/NDF: 5153418809.2/21

All: 0.661+/-0.000 χ^2/NDF: 11070518326.5/4

- sign 0.679+/-0.000 χ^2/NDF: 5883733959.8/23

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

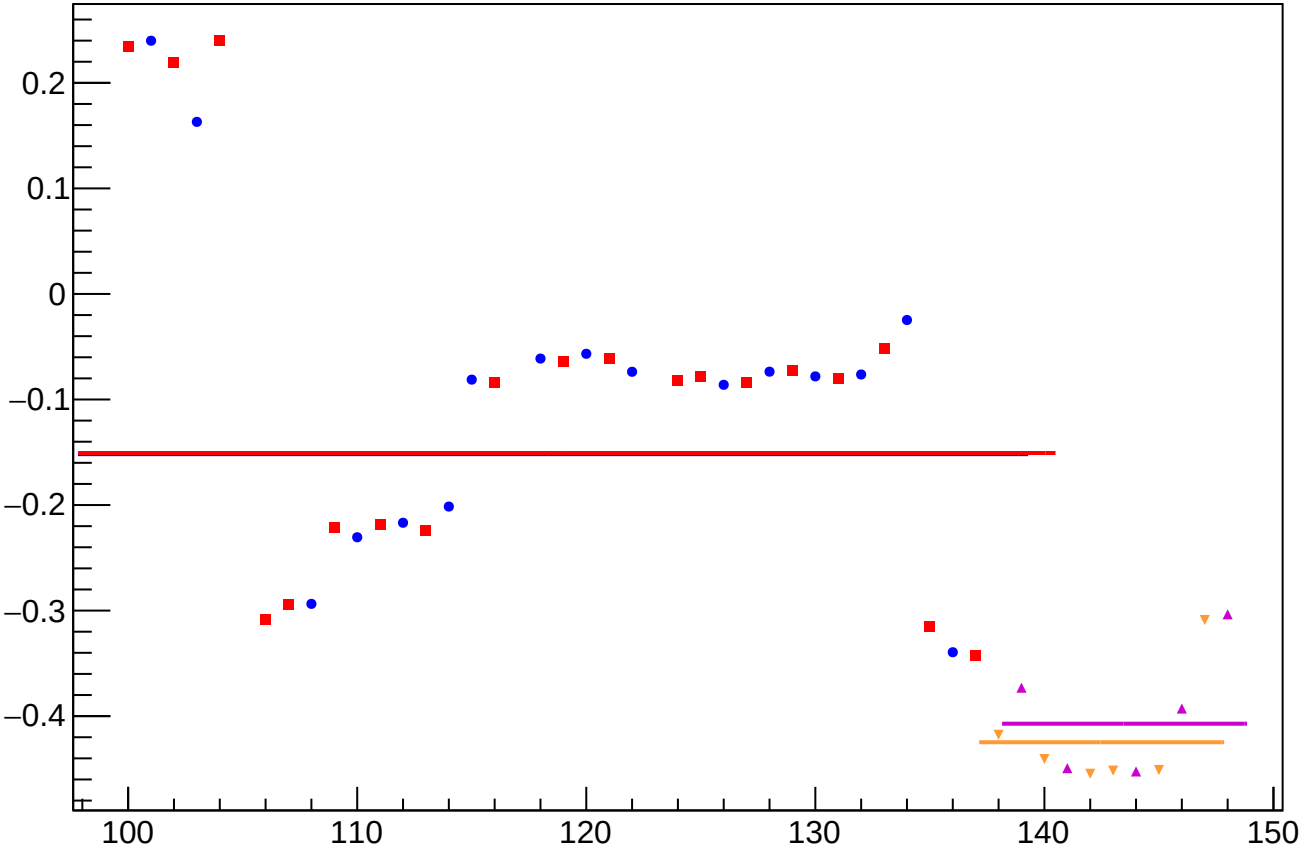
Left In: 0.013+/-0.000 χ^2/NDF:398780.7/4

+ sign 0.013+/-0.000 χ^2/NDF: 2232852.2/21

All: 0.013+/-0.000 χ^2/NDF: 4236161.9/45

- sign 0.014+/-0.000 χ^2/NDF: 1960564.5/23

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

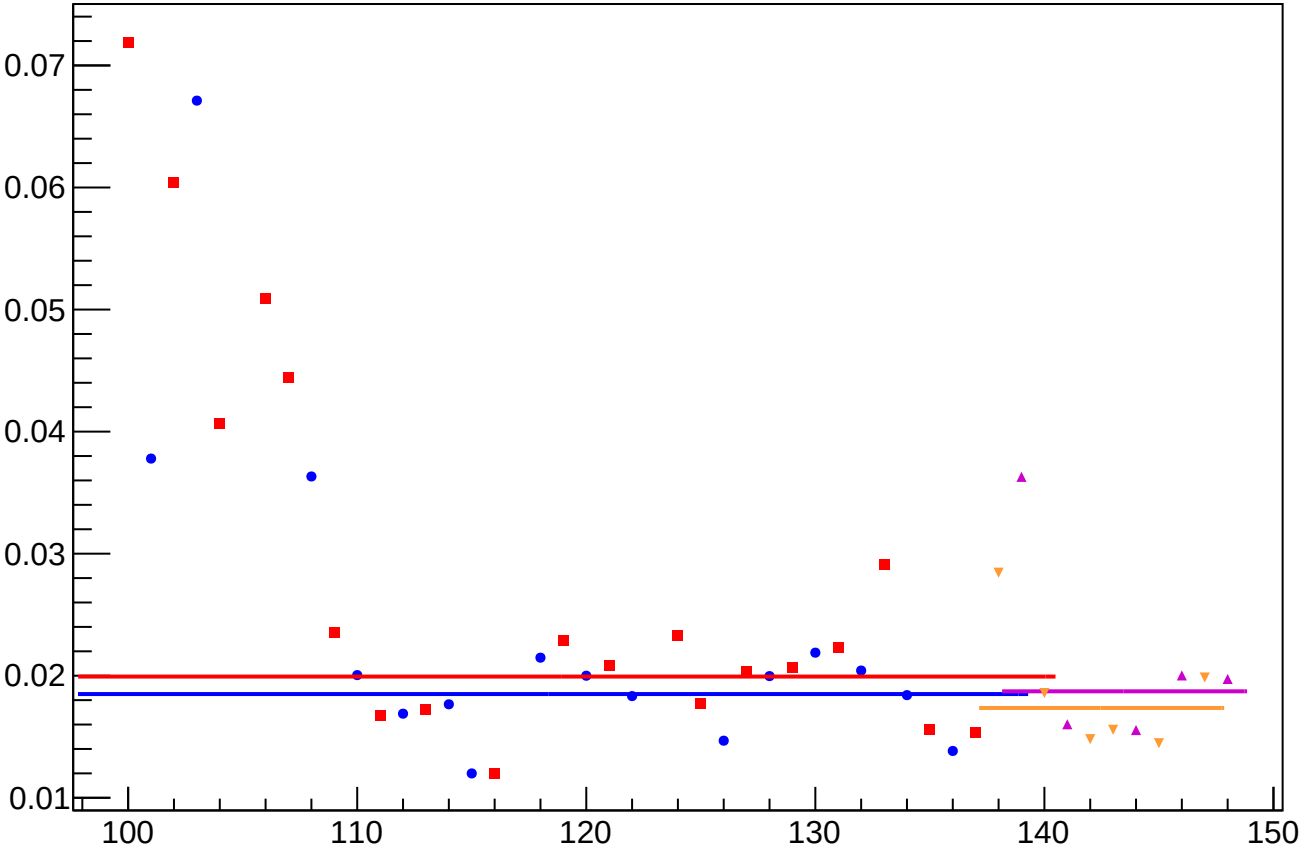
Left In: -0.407+/-0.000 χ^2/NDF:29648708.6/4

\+ sign -0.265+/-0.000 χ^2/NDF: 780913362.3/21

All: -0.260+/-0.000 χ^2/NDF: 1376813607.4/4

\- sign -0.255+/-0.000 χ^2/NDF: 594635324.4/23

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

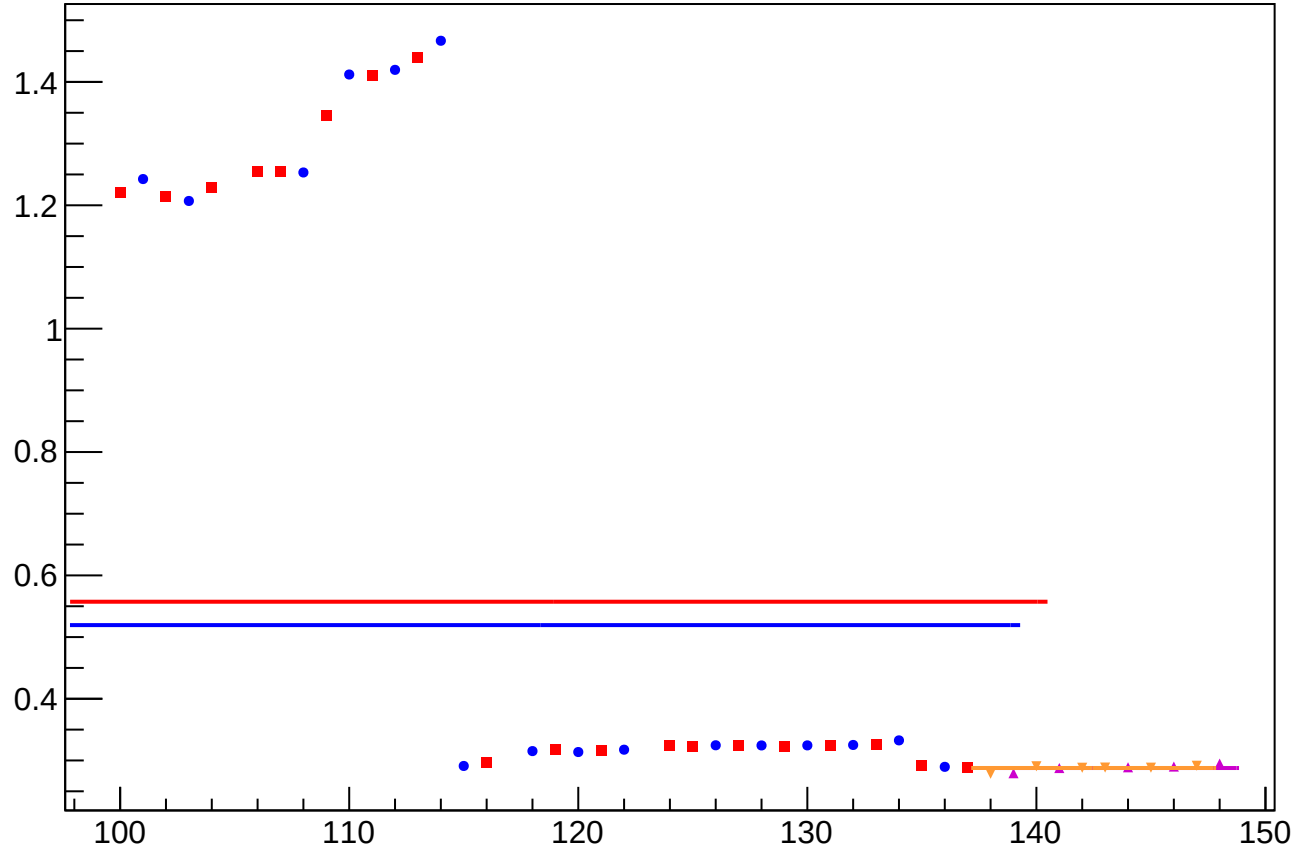
Left In: 0.019+/-0.000 χ^2/NDF:494450.0/4

+ sign 0.018+/-0.000 χ^2/NDF: 1698099.7/21

All: 0.019+/-0.000 χ^2/NDF: 3805555.0/45

- sign 0.019+/-0.000 χ^2/NDF: 2058263.6/23

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

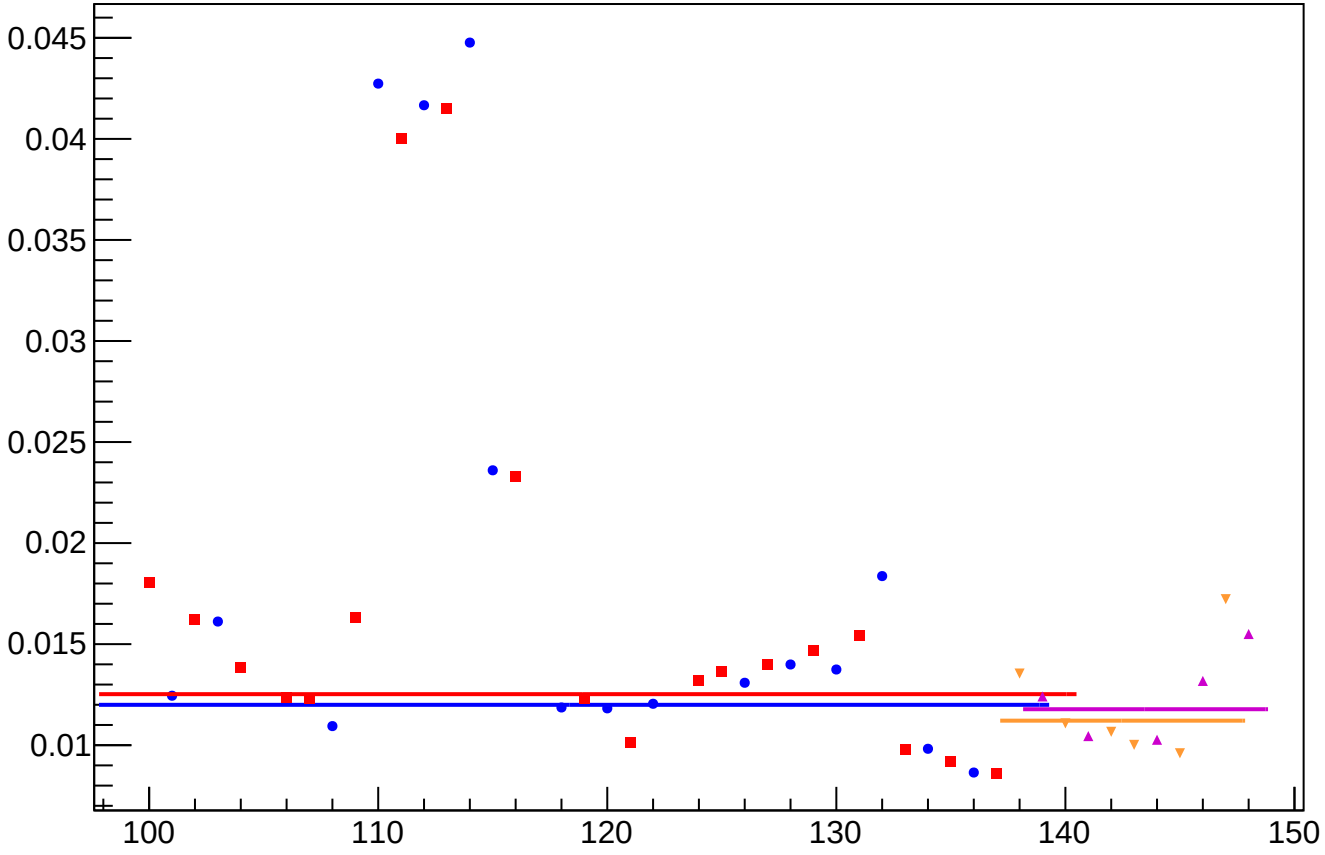
Left In: 0.288+/-0.000 χ^2/NDF:587985.2/4

+ sign 0.417+/-0.000 χ^2/NDF: 7306173824.1/21

All: 0.429+/-0.000 χ^2/NDF: 15287911795.5/4

- sign 0.442+/-0.000 χ^2/NDF: 7958412327.0/23

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

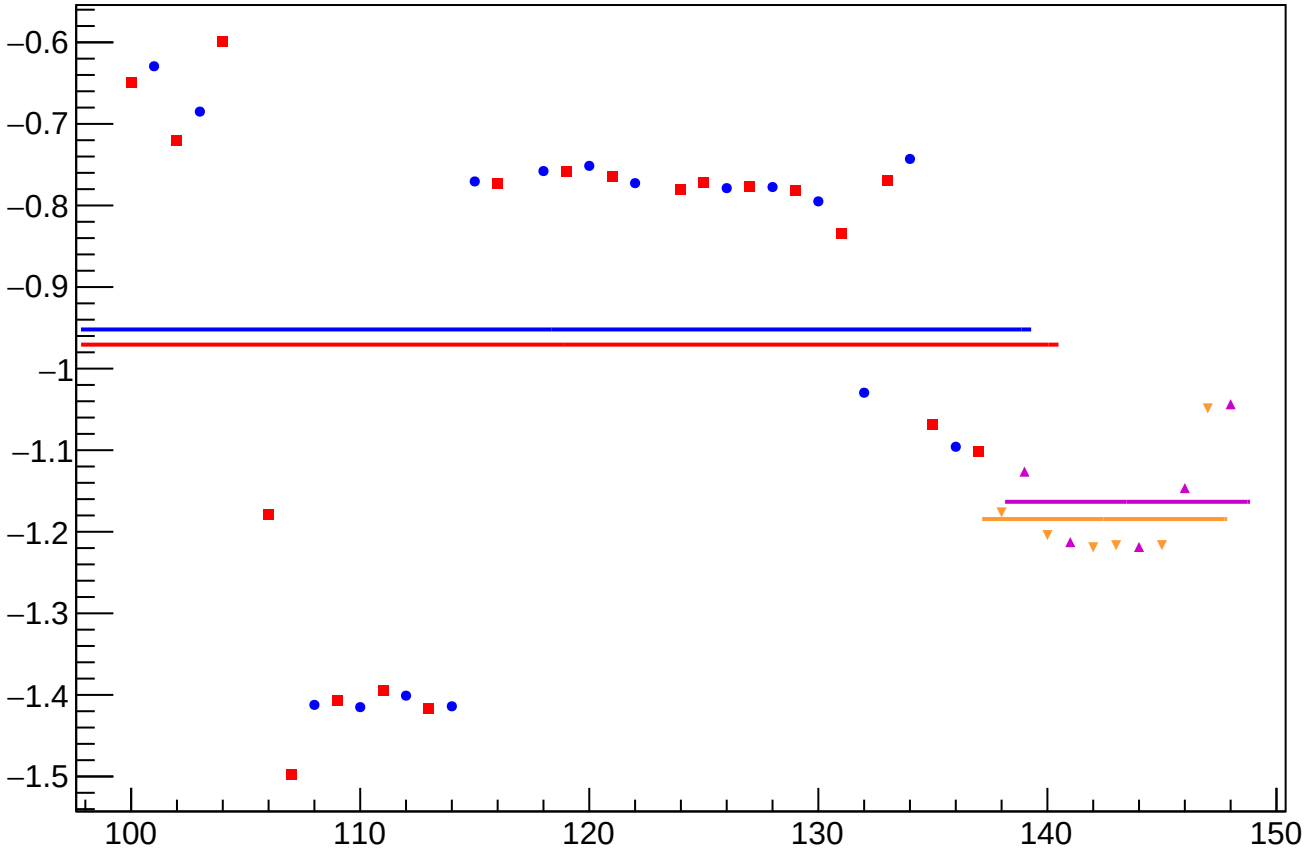
Left In: 0.012+/-0.000 χ^2/NDF:178108.6/4

+ sign 0.012+/-0.000 χ^2/NDF: 1822404.2/21

All: 0.012+/-0.000 χ^2/NDF: 3475376.7/45

- sign 0.012+/-0.000 χ^2/NDF: 1630847.9/23

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

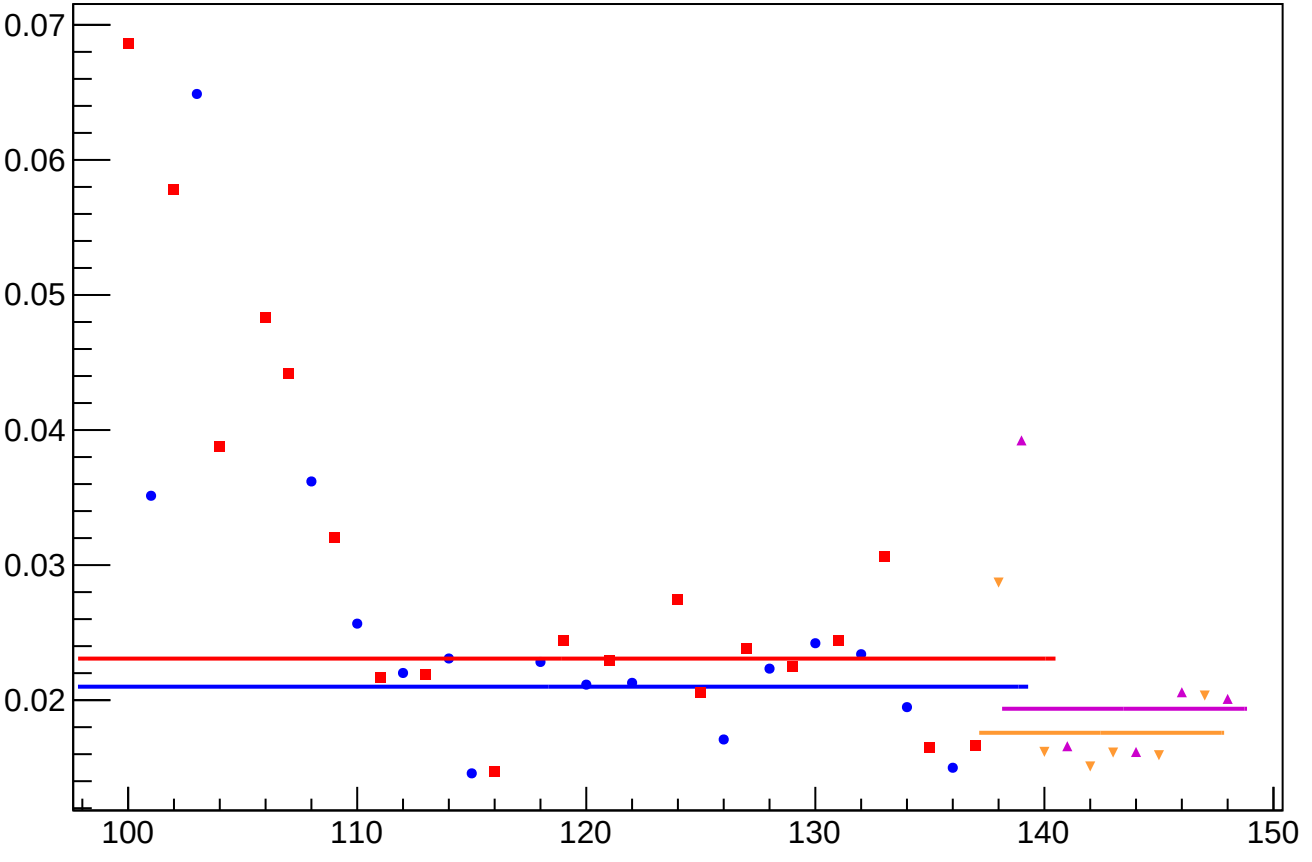
Left In: -1.163+/-0.000 χ^2/NDF:38169682.1/4

+ sign -1.059+/-0.000 χ^2/NDF: 1039137506.1/21

All: -1.059+/-0.000 χ^2/NDF: 1967197654.6/4

- sign -1.058+/-0.000 χ^2/NDF: 928041902.6/23

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

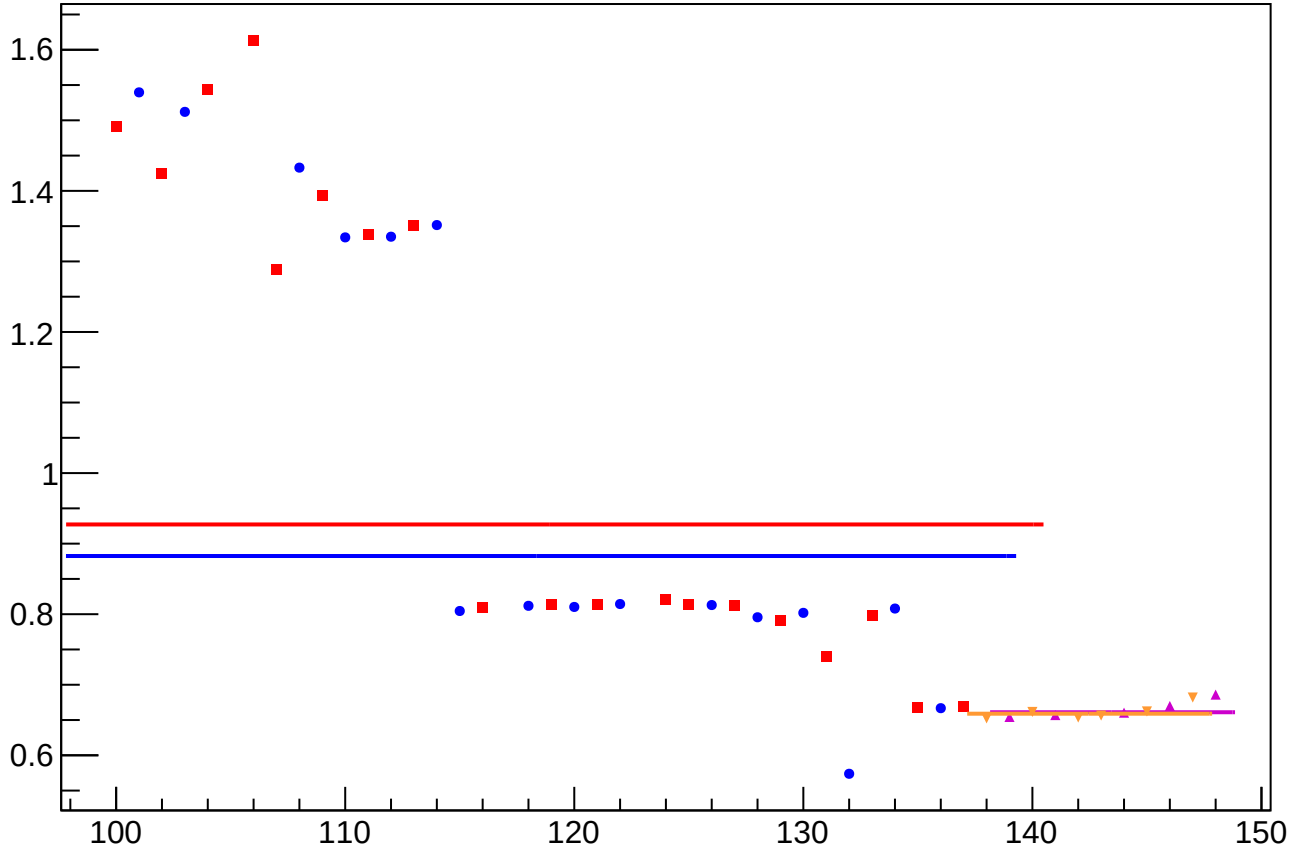
Left In: 0.019+/-0.000 χ^2/NDF:523779.5/4

+ sign 0.019+/-0.000 χ^2/NDF: 1563684.9/21

All: 0.020+/-0.000 χ^2/NDF: 3579443.3/45

- sign 0.021+/-0.000 χ^2/NDF: 1935418.4/23

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

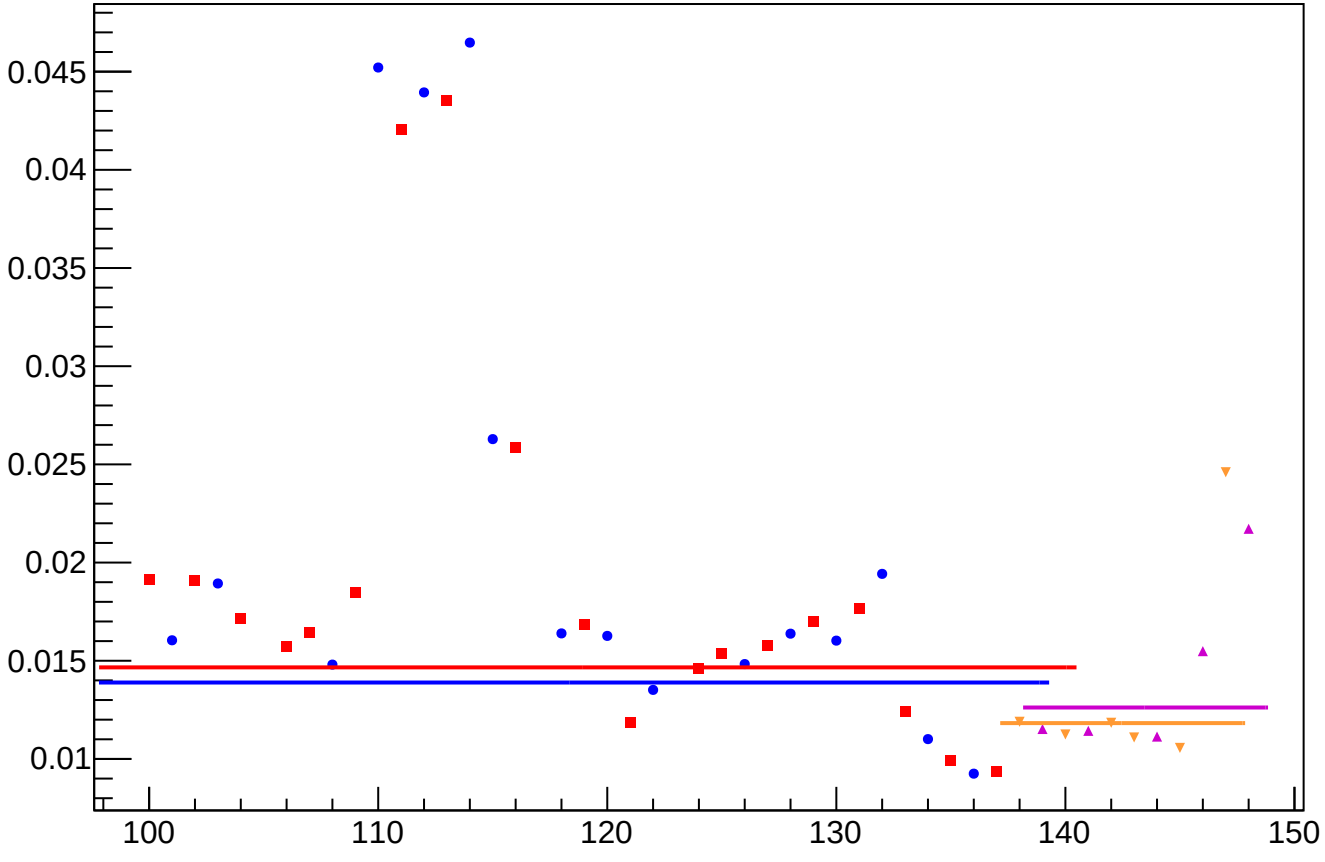
Left In: 0.661+/-0.000 χ^2/NDF:1684865.5/4

+ sign 0.773+/-0.000 χ^2/NDF: 3535750818.4/21

All: 0.788+/-0.000 χ^2/NDF: 7271177777.3/45

- sign 0.804+/-0.000 χ^2/NDF: 3707706932.1/23

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

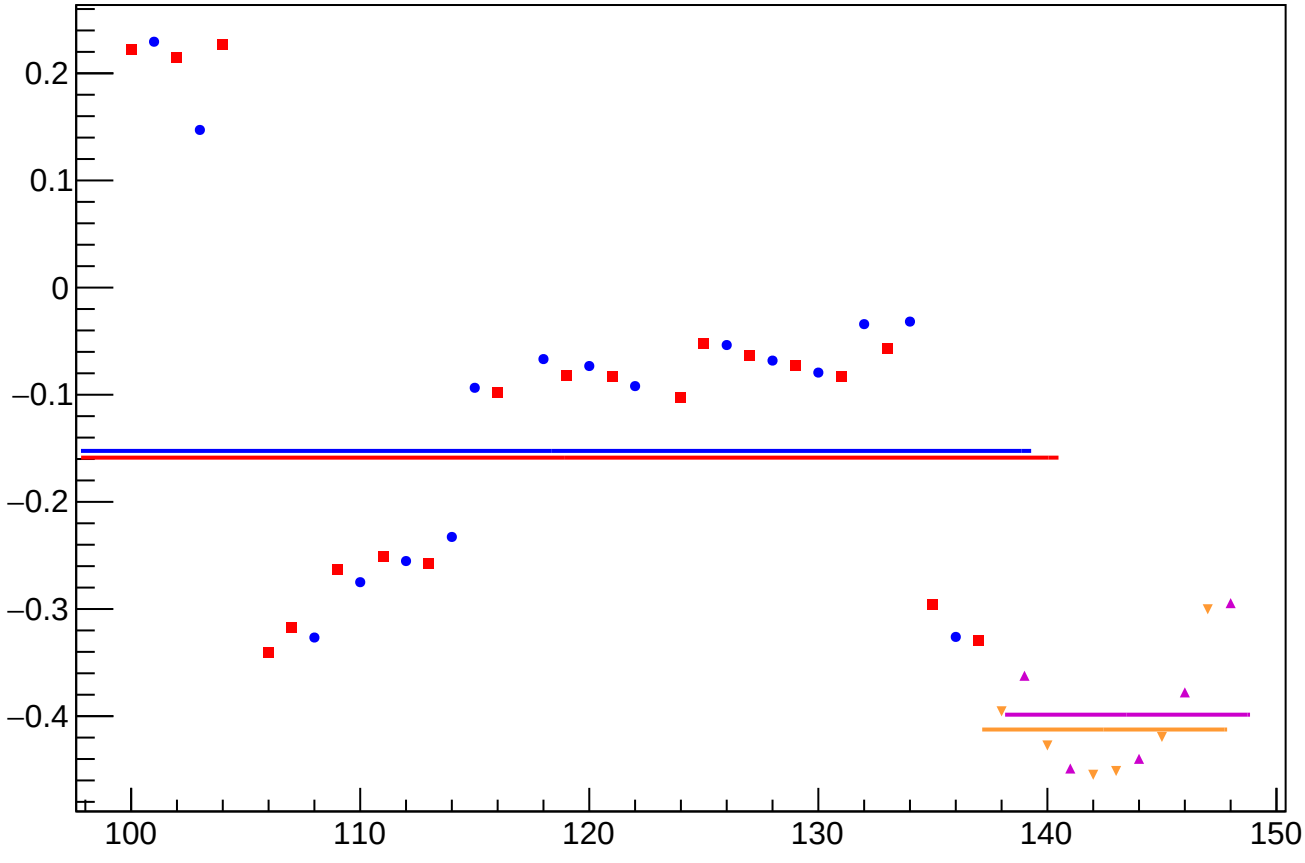
Left In: 0.013+/-0.000 χ^2/NDF:394558.4/4

+ sign 0.013+/-0.000 χ^2/NDF: 2238540.9/21

All: 0.013+/-0.000 χ^2/NDF: 4251233.9/45

- sign 0.014+/-0.000 χ^2/NDF: 1972777.9/23

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

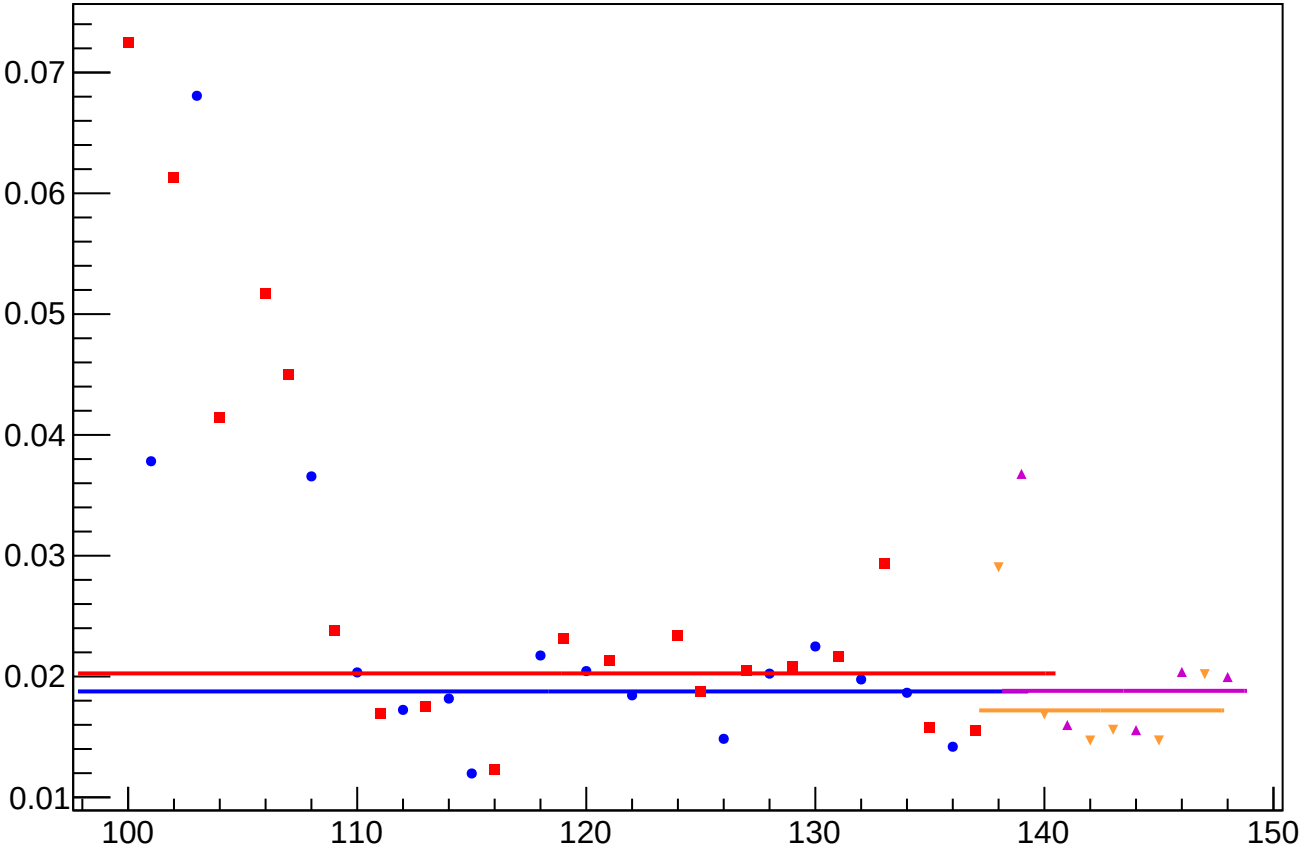
Left In: -0.399+/-0.000 χ^2/NDF:30665903.9/4

+ sign -0.262+/-0.000 χ^2/NDF: 731019910.9/21

All: -0.260+/-0.000 χ^2/NDF: 1270747646.3/4

- sign -0.257+/-0.000 χ^2/NDF: 539394229.8/23

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

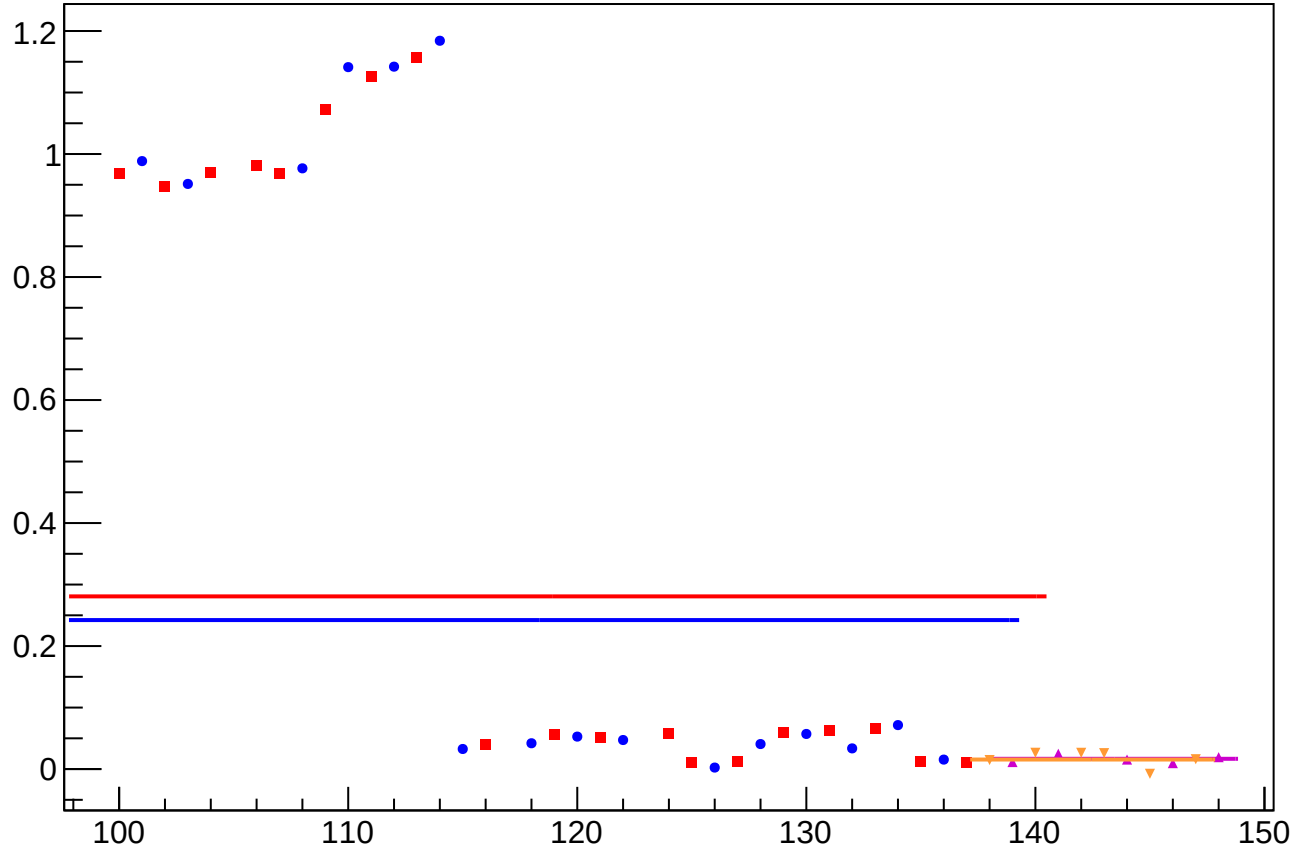
Left In: 0.019+/-0.000 χ^2/NDF:510060.1/4

+ sign 0.018+/-0.000 χ^2/NDF: 1698886.8/21

All: 0.019+/-0.000 χ^2/NDF: 3820233.2/45

- sign 0.020+/-0.000 χ^2/NDF: 2062315.7/23

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

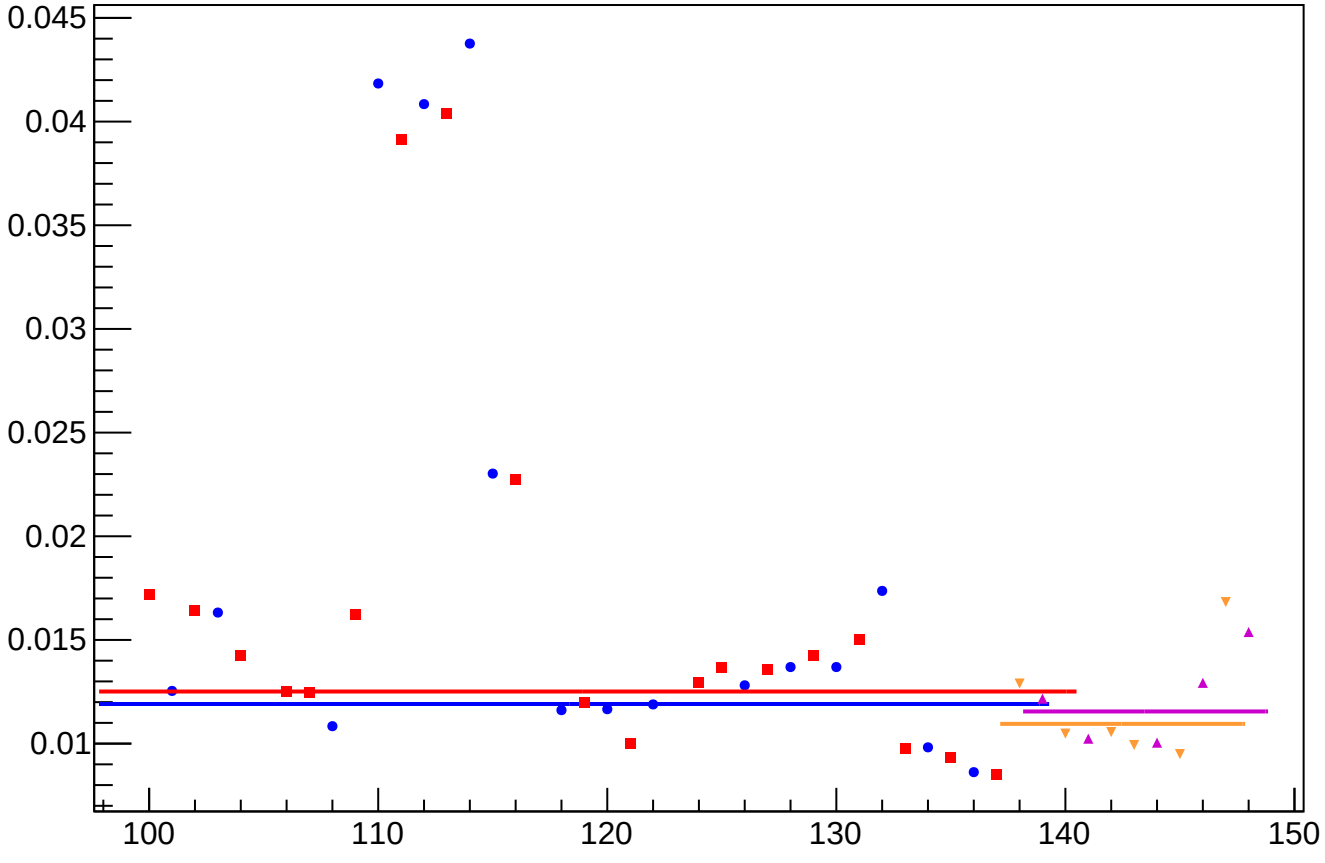
Left In: 0.017+/-0.000 χ^2/NDF:975656.2/4

+ sign 0.140+/-0.000 χ^2/NDF: 7491709364.0/21

All: 0.152+/-0.000 χ^2/NDF: 15464999028.6/4

- sign 0.166+/-0.000 χ^2/NDF: 7948940869.6/23

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

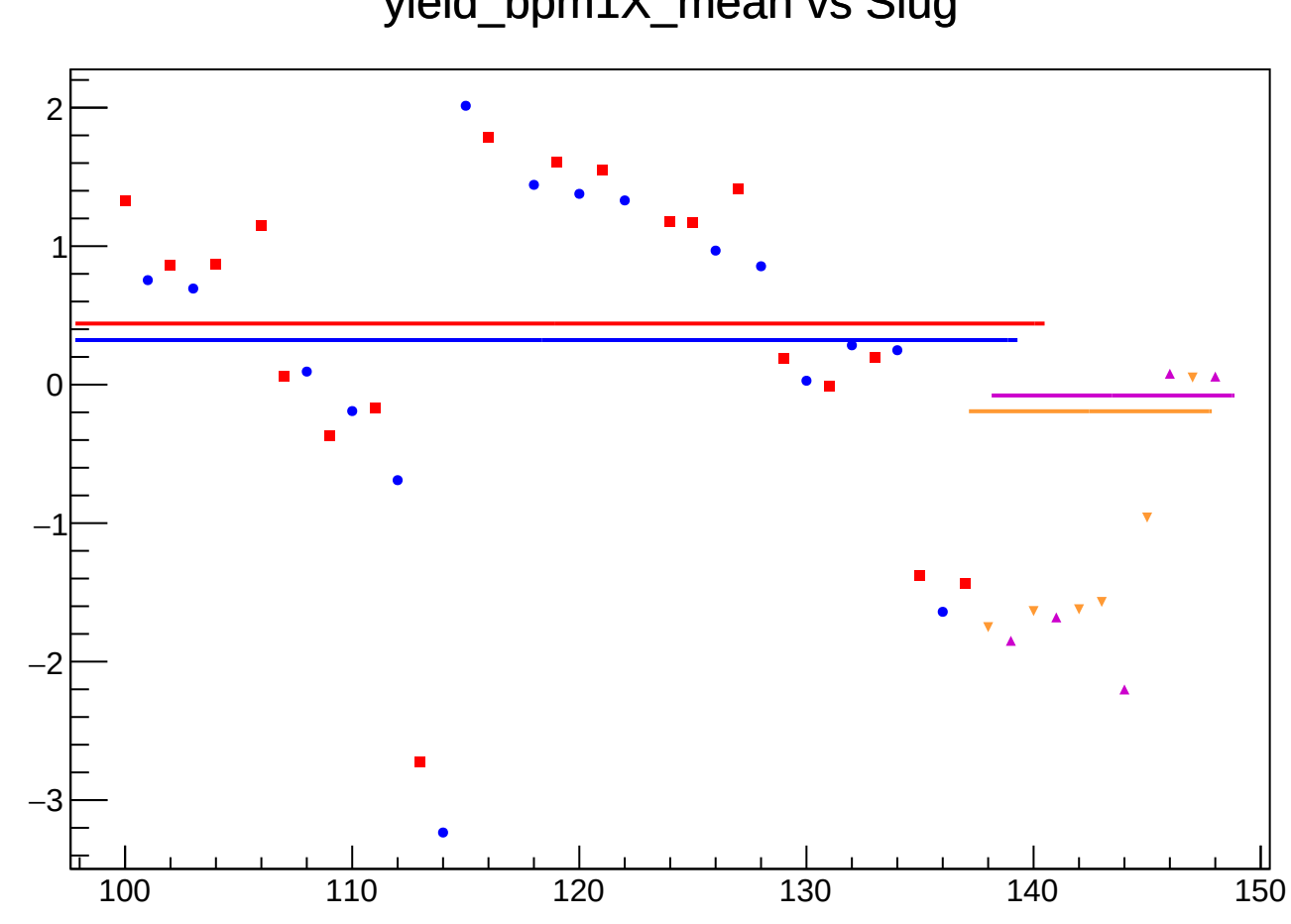
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.012+/-0.000 χ^2/NDF:187440.4/4

+ sign 0.011+/-0.000 χ^2/NDF: 1780830.9/21

All: 0.012+/-0.000 χ^2/NDF: 3419958.8/45

- sign 0.012+/-0.000 χ^2/NDF: 1611470.2/23



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

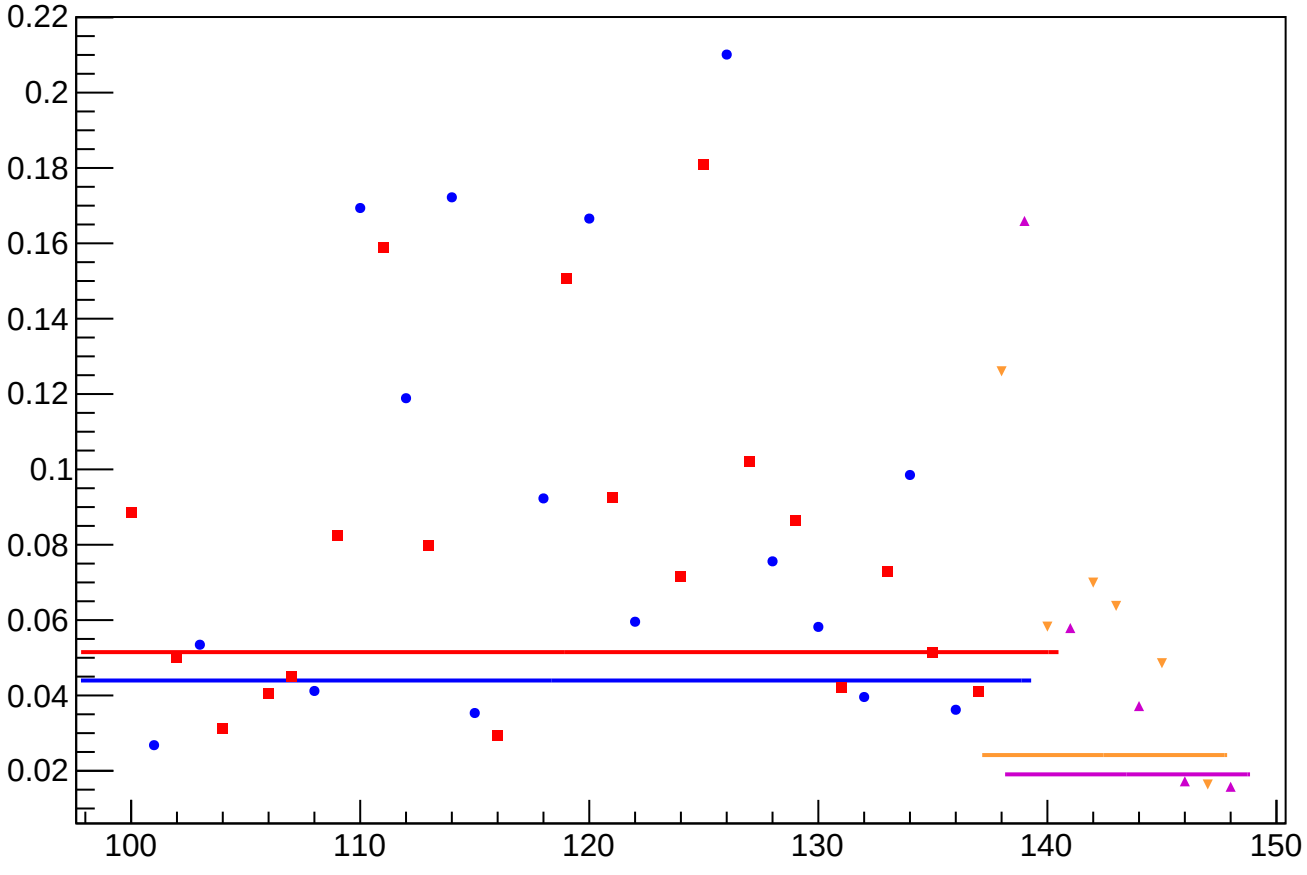
Left In: -0.078+/-0.000 χ^2/NDF:1597857937.1/4

+ sign 0.002+/-0.000 χ^2/NDF: 2979567167.1/21

All: 0.024+/-0.000 χ^2/NDF: 6721531439.1/45

- sign 0.040+/-0.000 χ^2/NDF: 3737711452.3/23

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

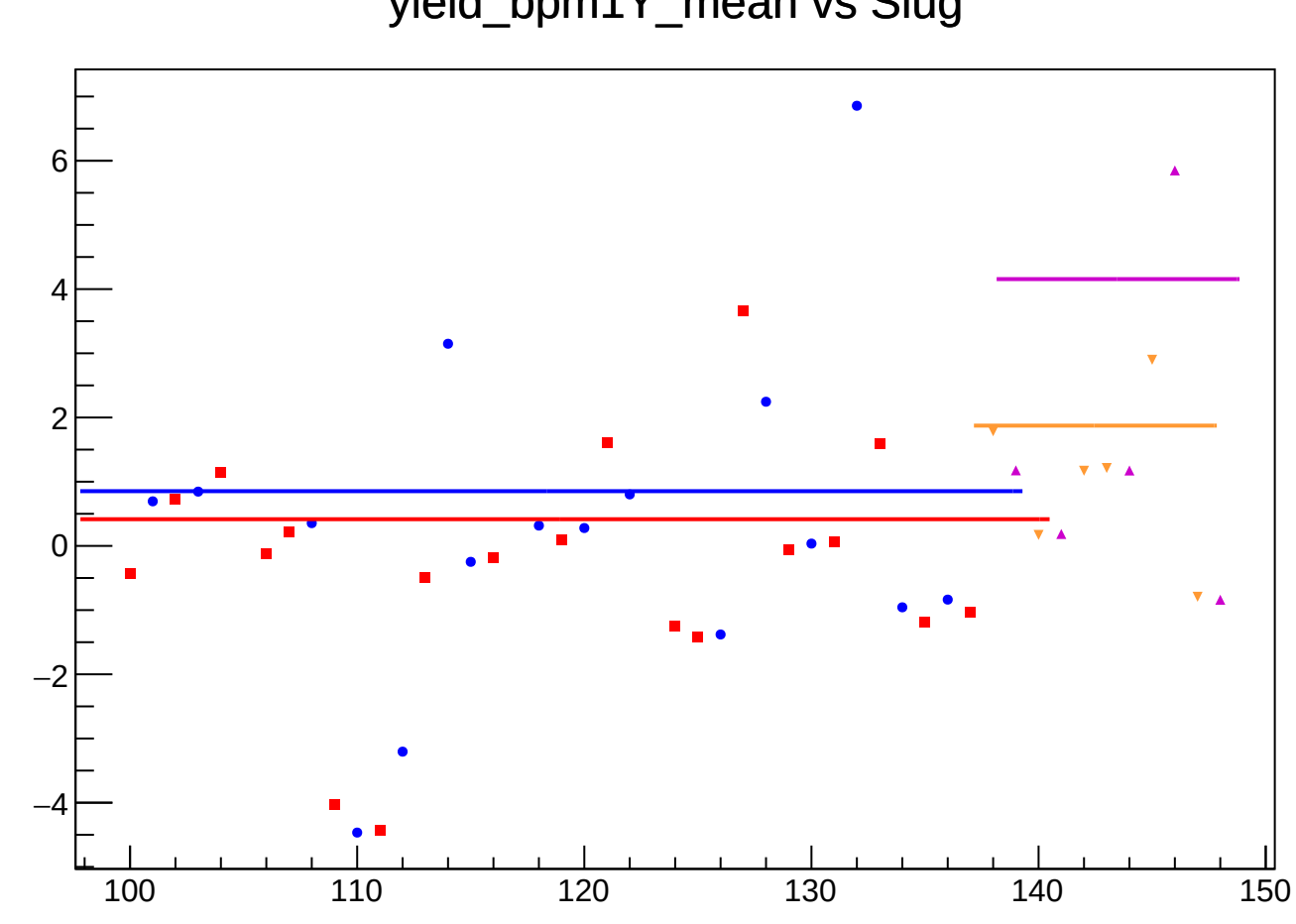
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.019+/-0.000 χ^2/NDF:1875780.5/4

+ sign 0.032+/-0.000 χ^2/NDF: 6089665.9/21

All: 0.029+/-0.000 χ^2/NDF: 13179459.0/45

- sign 0.026+/-0.000 χ^2/NDF: 6922182.5/23



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

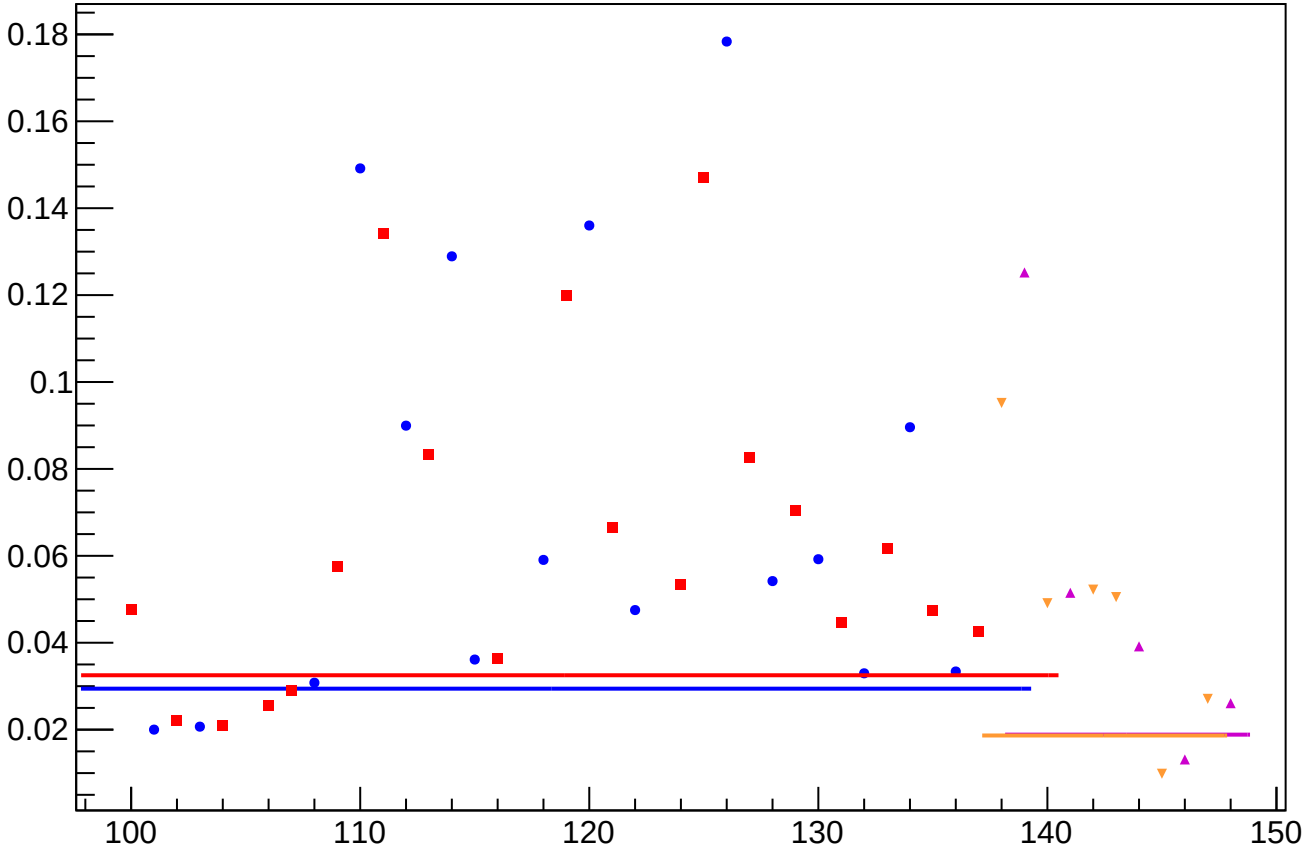
Left In: 4.156+/-0.000 χ^2/NDF:46909032652.5/4

+ sign 1.403+/-0.000 χ^2/NDF: 25974355784.9/21

All: 2.067+/-0.000 χ^2/NDF: 118991321248.5

- sign 2.685+/-0.000 χ^2/NDF: 85149675470.6/23

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

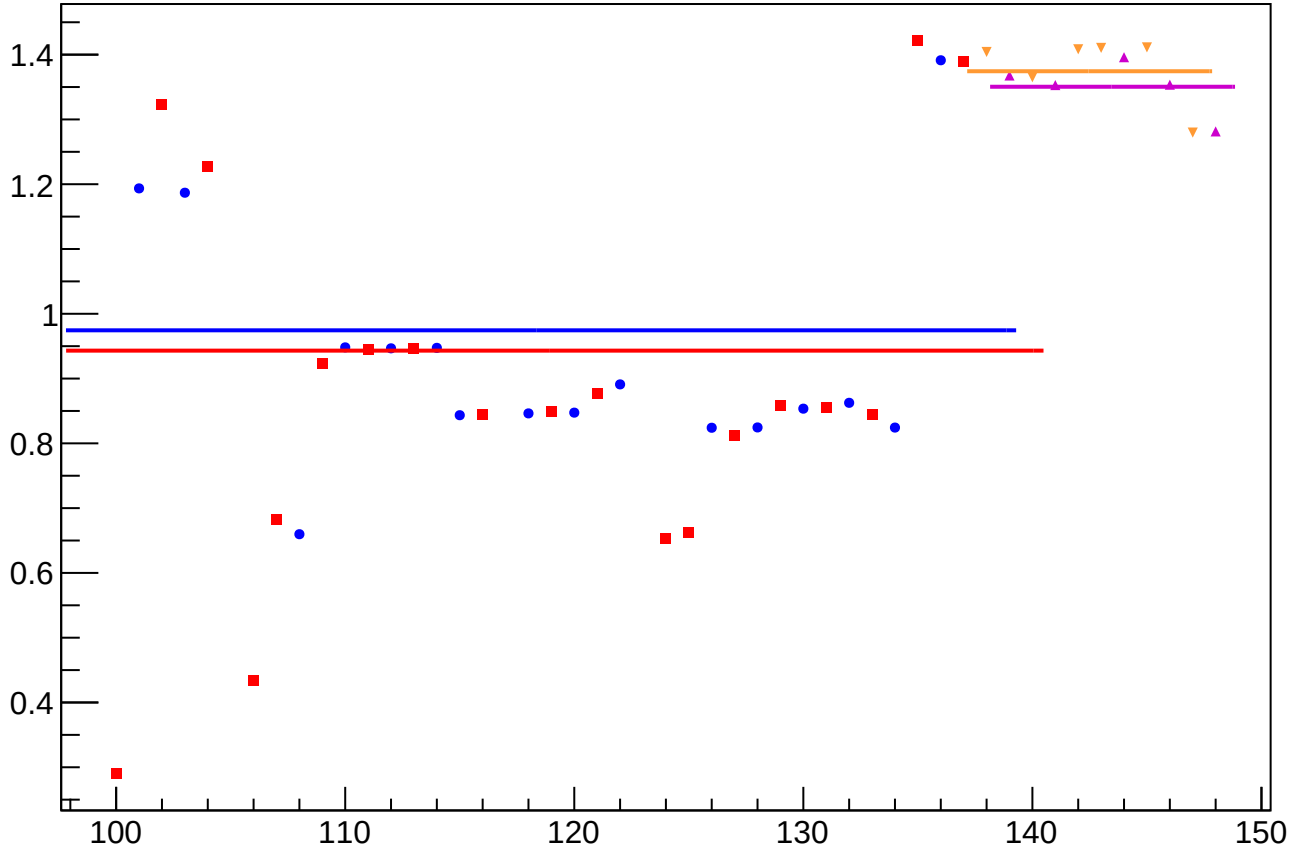
Left In: 0.019+/-0.000 χ^2/NDF:2137405.5/4

+ sign 0.024+/-0.000 χ^2/NDF: 6180887.7/21

All: 0.024+/-0.000 χ^2/NDF: 12521773.9/45

- sign 0.024+/-0.000 χ^2/NDF: 6337345.0/23

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

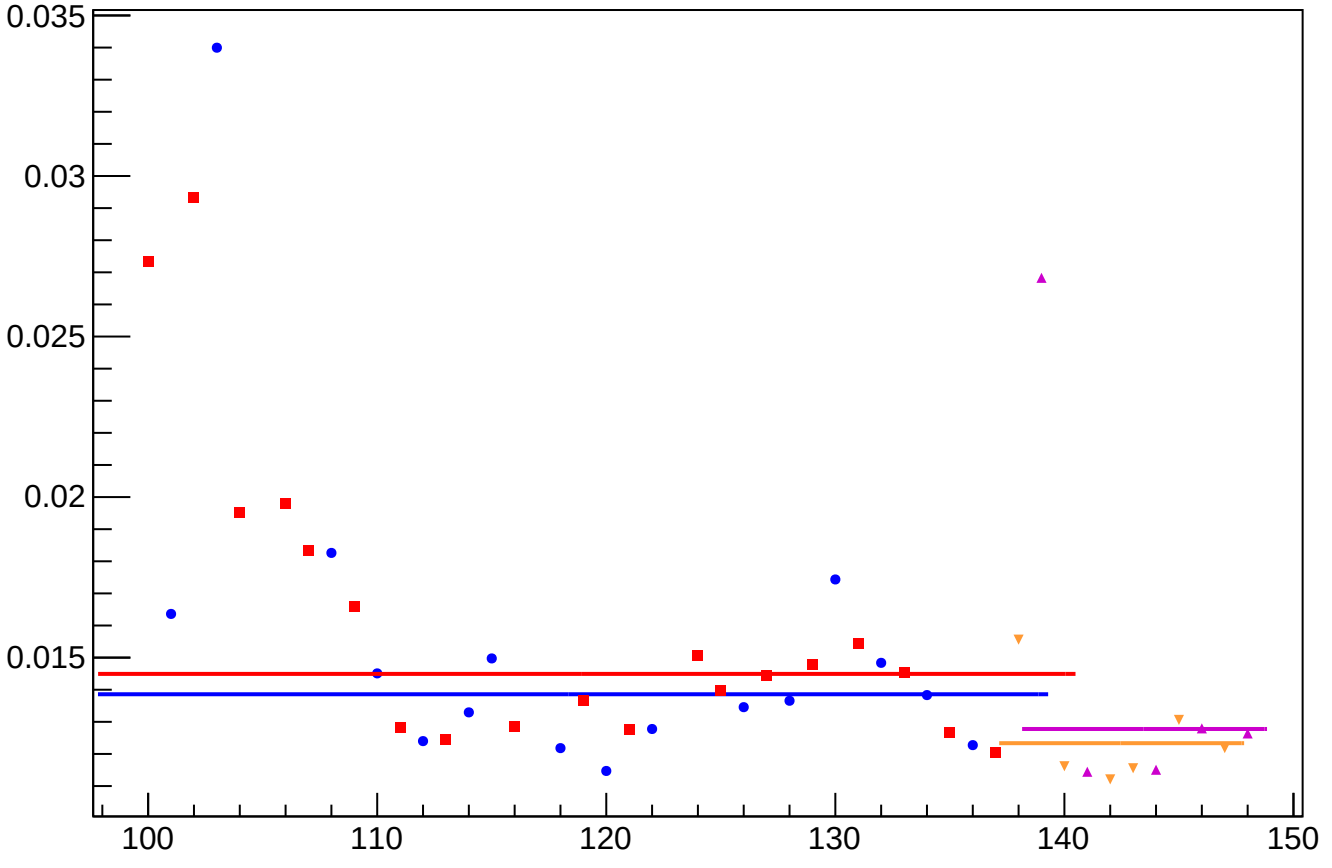
Left In: 1.350+/-0.000 χ^2/NDF:35367414.9/4

+ sign 1.146+/-0.000 χ^2/NDF: 3741068636.3/21

All: 1.131+/-0.000 χ^2/NDF: 7614990094.9/45

- sign 1.115+/-0.000 χ^2/NDF: 3848304284.2/23

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

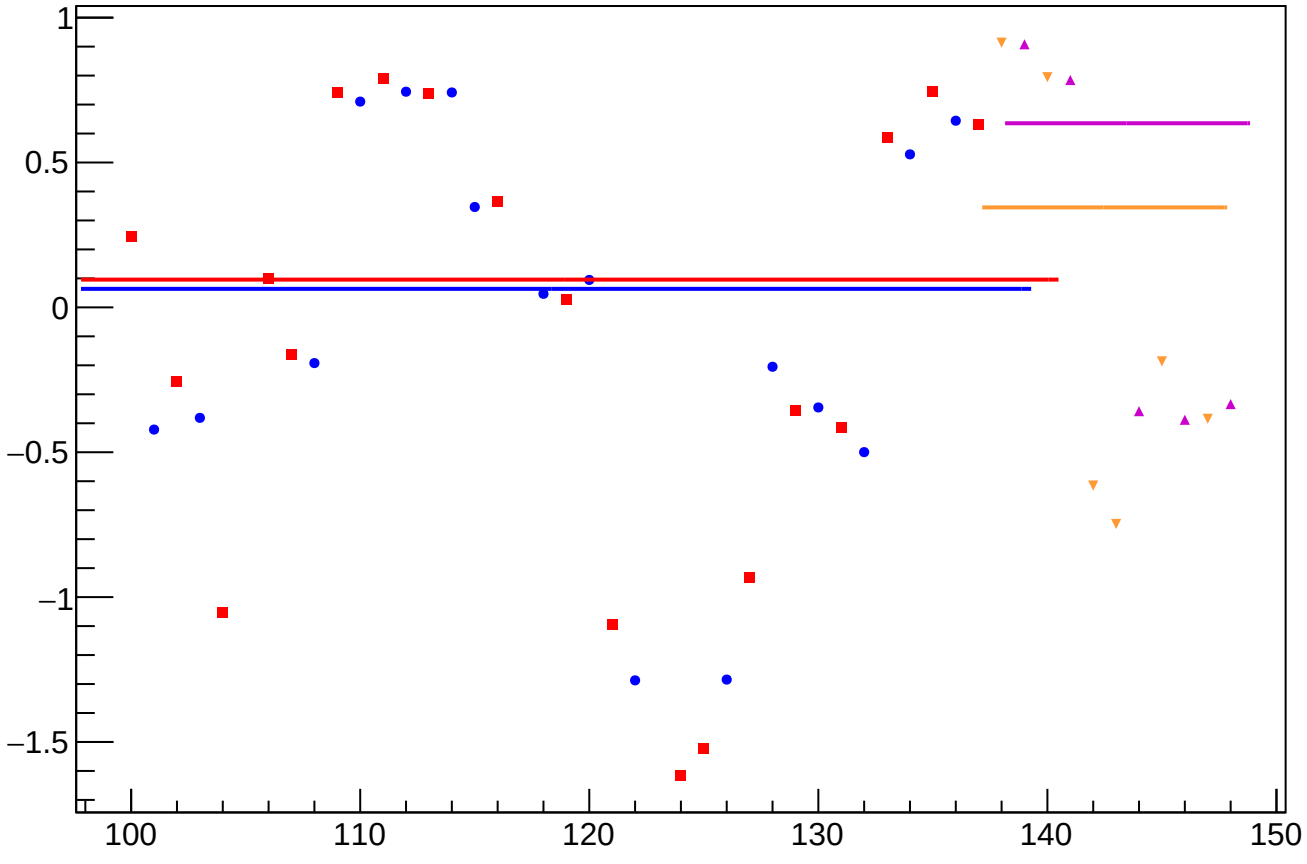
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483627.6/4

+ sign 0.013+/-0.000 χ^2/NDF: 741733.3/21

All: 0.013+/-0.000 χ^2/NDF: 1862979.4/45

- sign 0.014+/-0.000 χ^2/NDF: 1103972.4/23



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

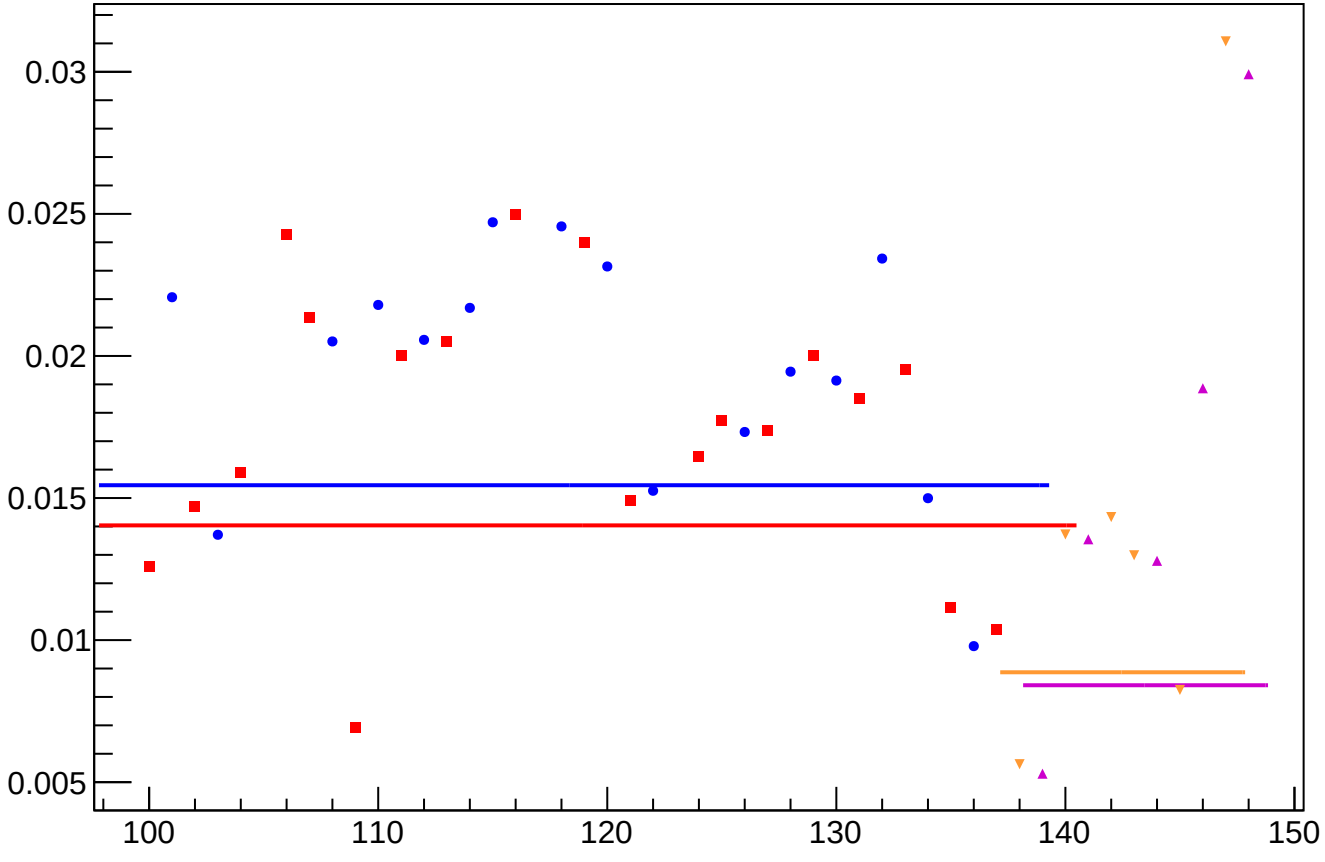
Left In: 0.635+/-0.000 χ^2/NDF:10602516597.7/4

+ sign 0.238+/-0.000 χ^2/NDF: 29918677105.0/21

All: 0.327+/-0.000 χ^2/NDF: 64348039501.7/4

- sign 0.409+/-0.000 χ^2/NDF: 33427828549.9/23

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

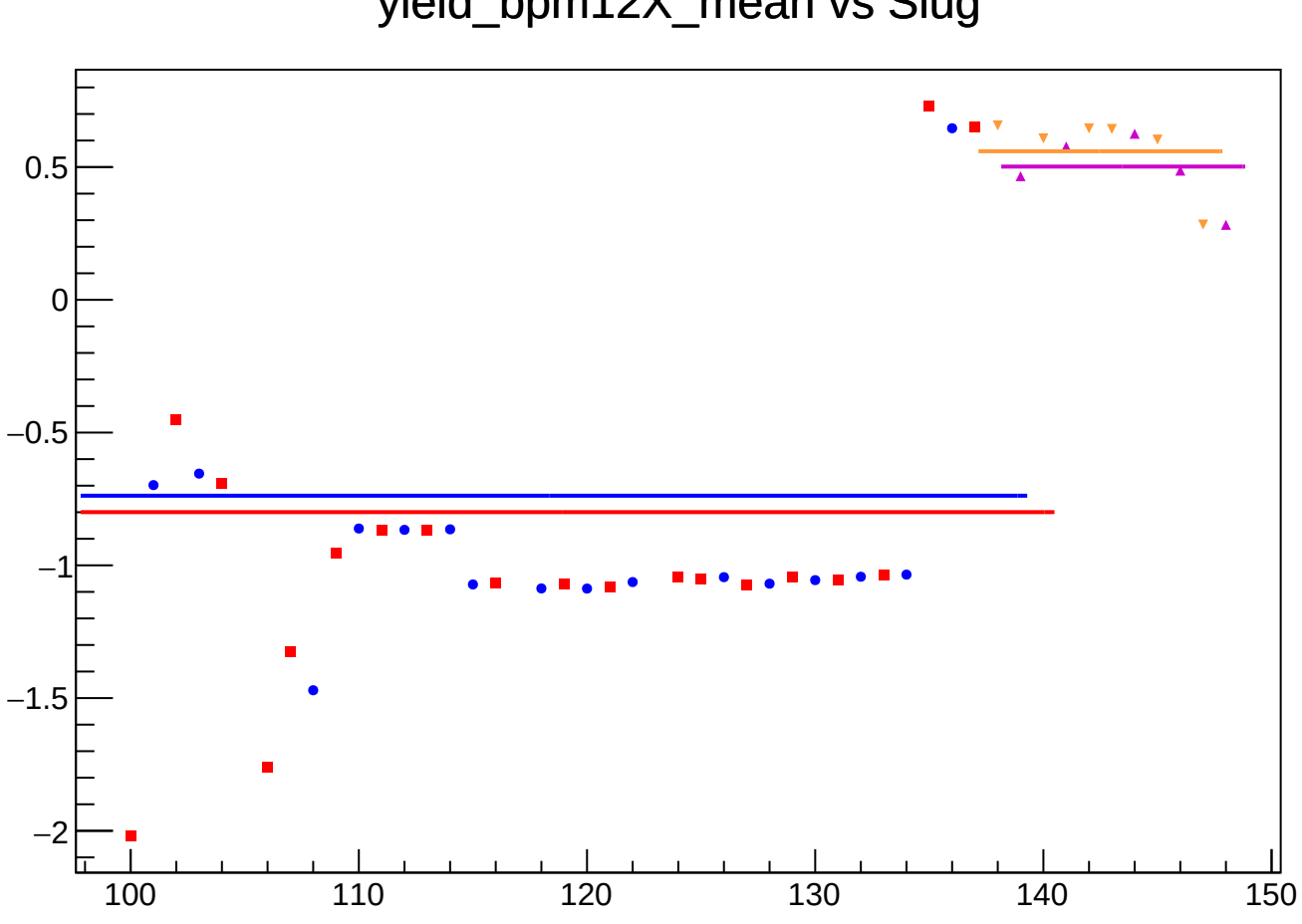
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.008+/-0.000 χ^2/NDF:2282798.4/4

+ sign 0.011+/-0.000 χ^2/NDF: 4346650.0/21

All: 0.011+/-0.000 χ^2/NDF: 9436766.2/45

- sign 0.011+/-0.000 χ^2/NDF: 5065198.3/23



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

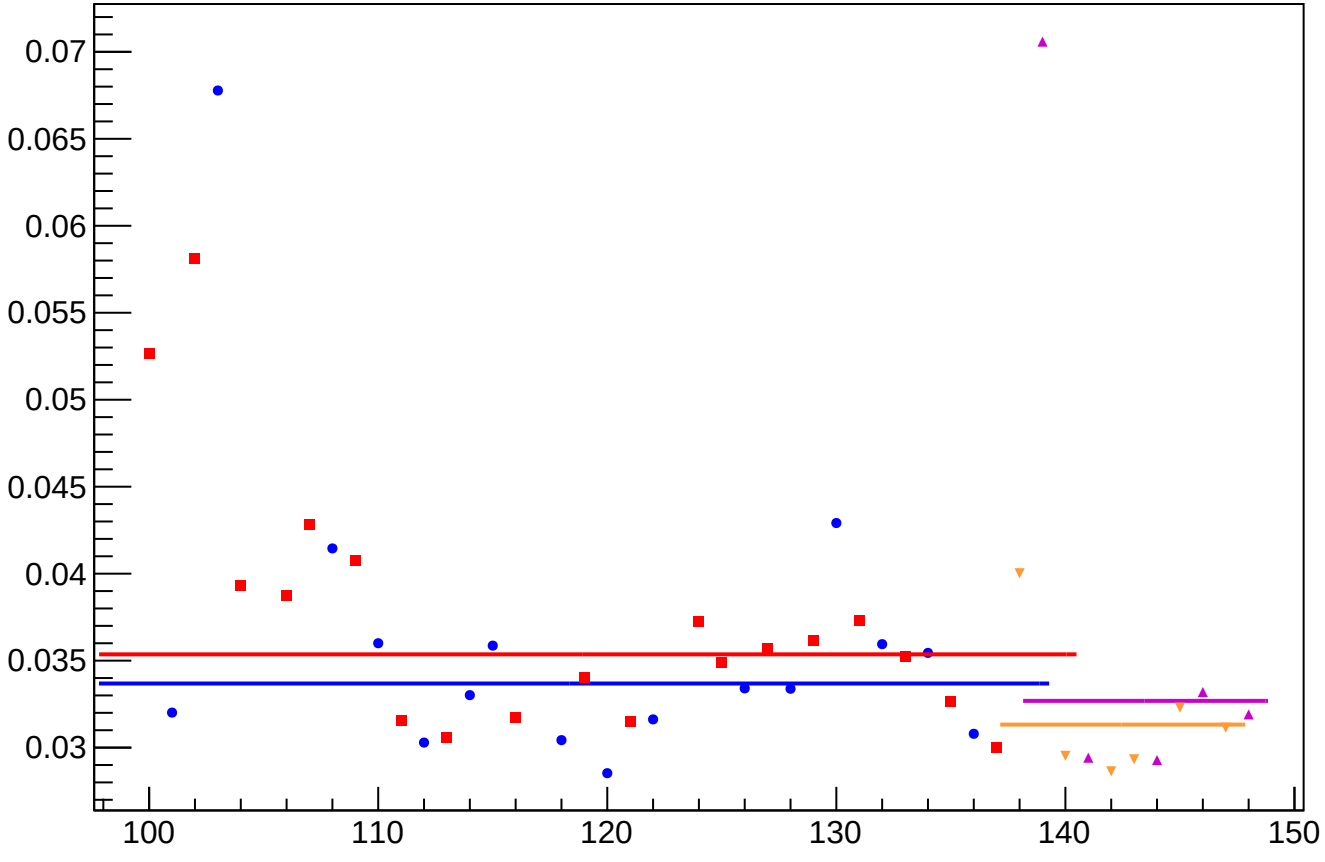
Left In: 0.502+/-0.000 χ^2/NDF:55079600.4/4

+ sign -0.216+/-0.000 χ^2/NDF: 5906144711.6/21

All: -0.248+/-0.000 χ^2/NDF: 11339748233.4/

- sign -0.283+/-0.000 χ^2/NDF: 5413223725.7/23

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

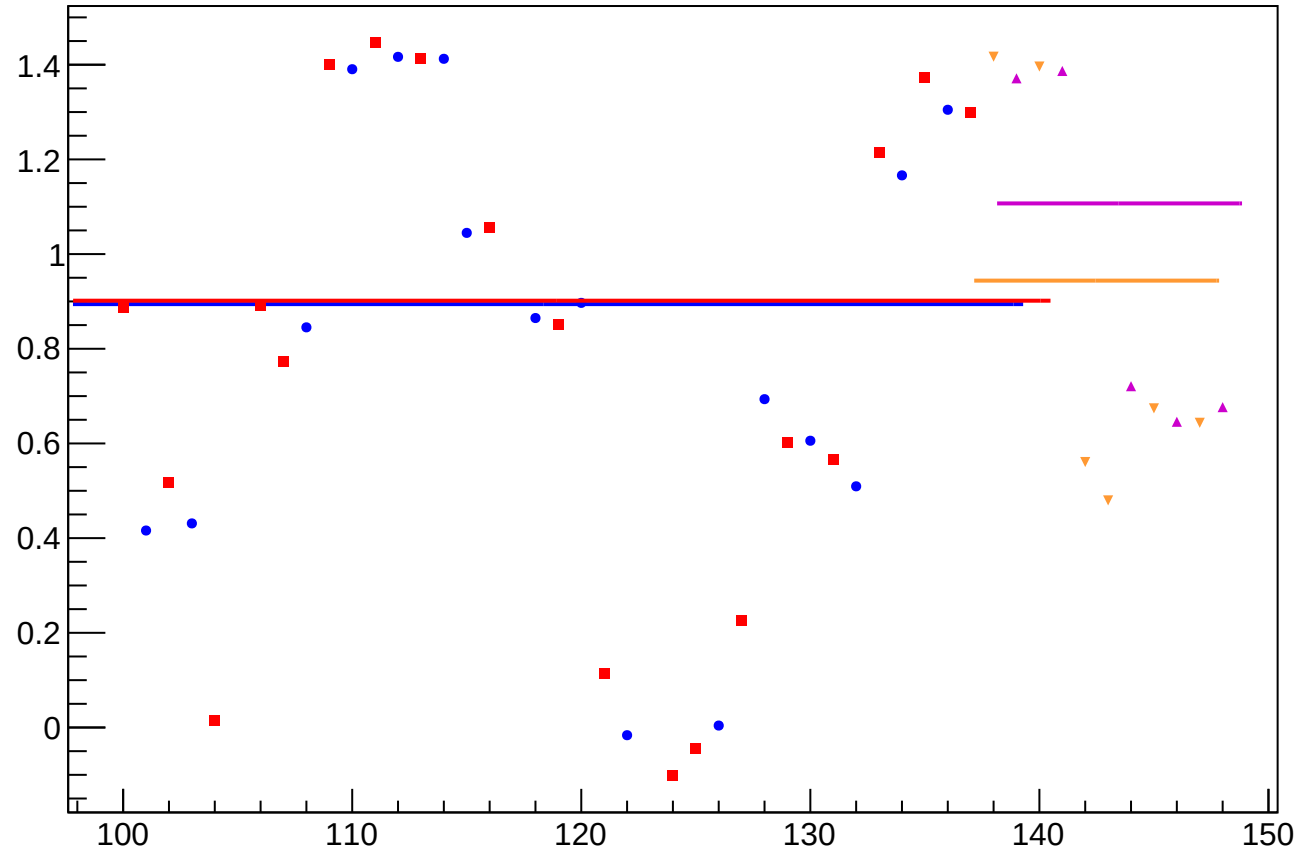
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:506574.5/4

+ sign 0.033+/-0.000 χ^2/NDF: 524247.6/21

All: 0.033+/-0.000 χ^2/NDF: 1378414.9/45

- sign 0.034+/-0.000 χ^2/NDF: 832279.4/23



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

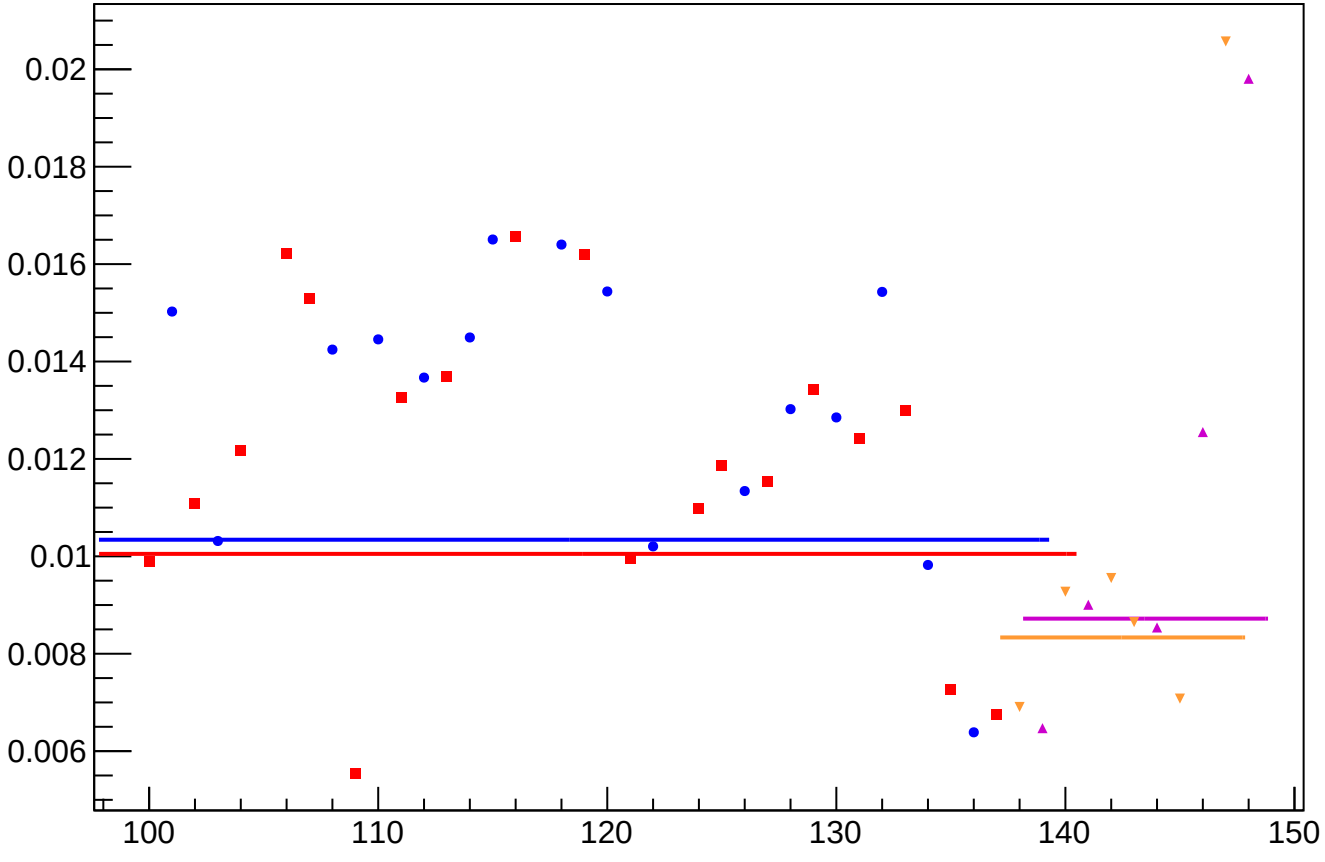
Left In: 1.107+/-0.000 χ^2/NDF:5322588518.6/4

+ sign 0.919+/-0.000 χ^2/NDF: 22242848530.2/21

All: 0.955+/-0.000 χ^2/NDF: 46879582744.5/4

- sign 0.992+/-0.000 χ^2/NDF: 24341687344.1/23

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

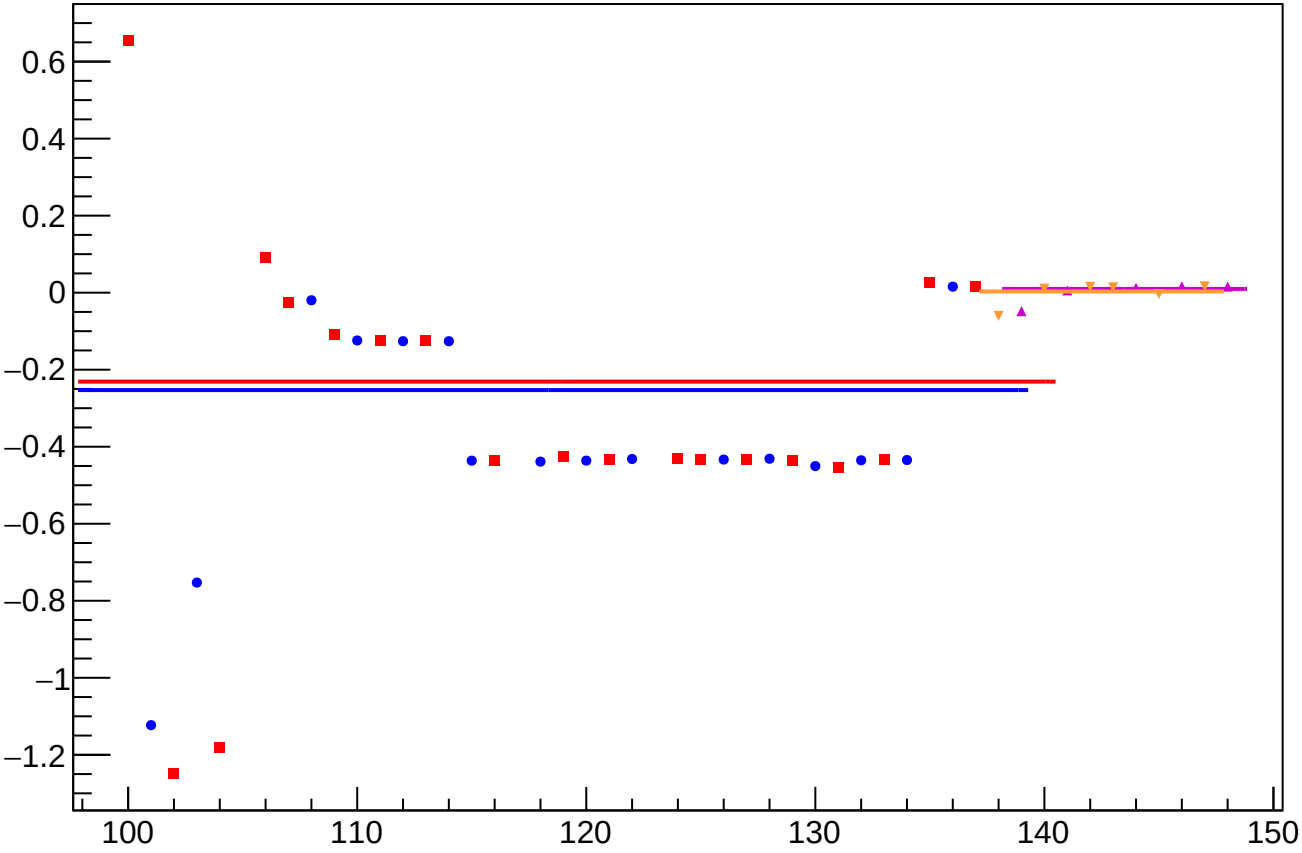
Left In: 0.009+/-0.000 χ^2/NDF:829618.2/4

+ sign 0.009+/-0.000 χ^2/NDF: 2285152.5/21

All: 0.009+/-0.000 χ^2/NDF: 4547794.0/45

- sign 0.009+/-0.000 χ^2/NDF: 2260790.2/23

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

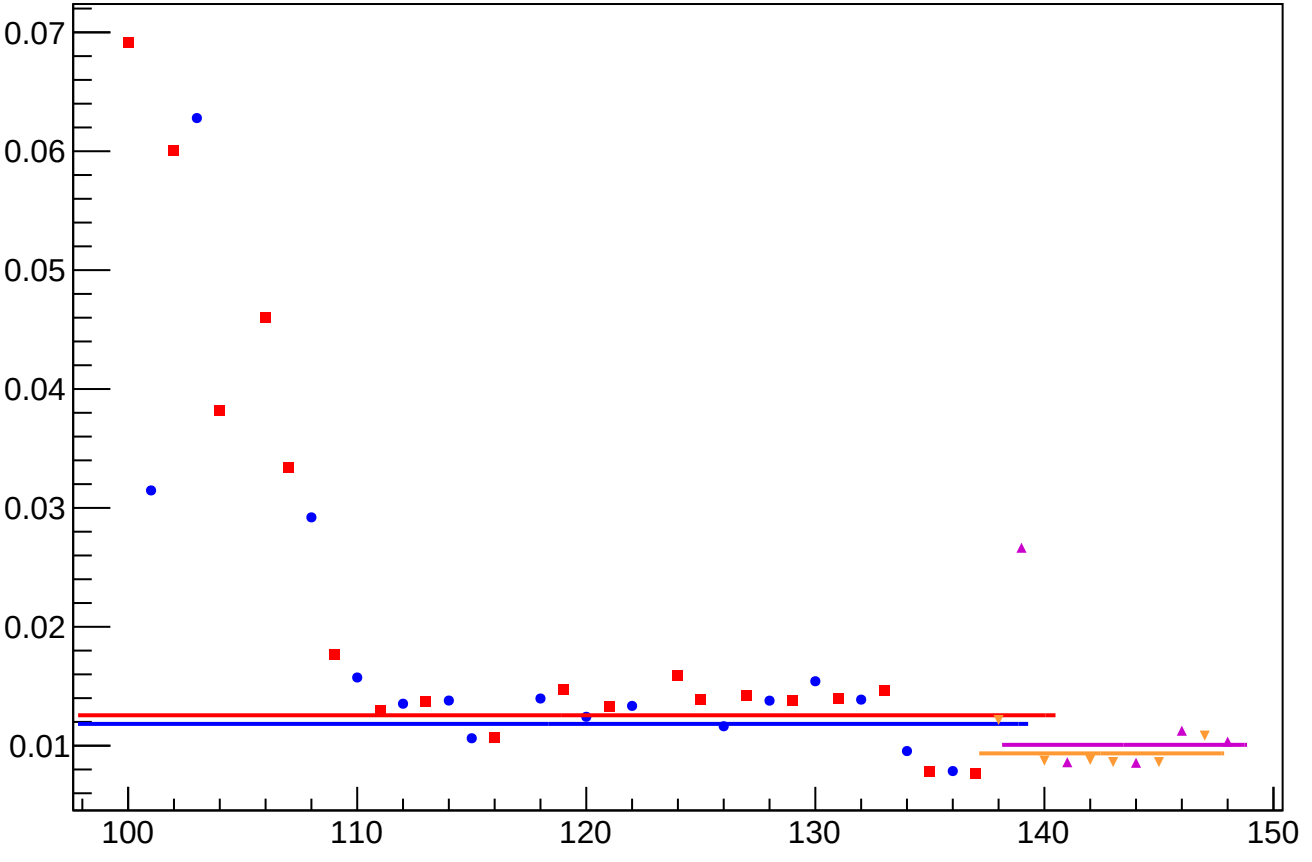
Left In: 0.010+/-0.000 χ^2/NDF:4594502.3/4

+ sign -0.119+/-0.000 χ^2/NDF: 3260876144.7/21

All: -0.115+/-0.000 χ^2/NDF: 6000791924.0/4

- sign -0.110+/-0.000 χ^2/NDF: 2737131102.1/23

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

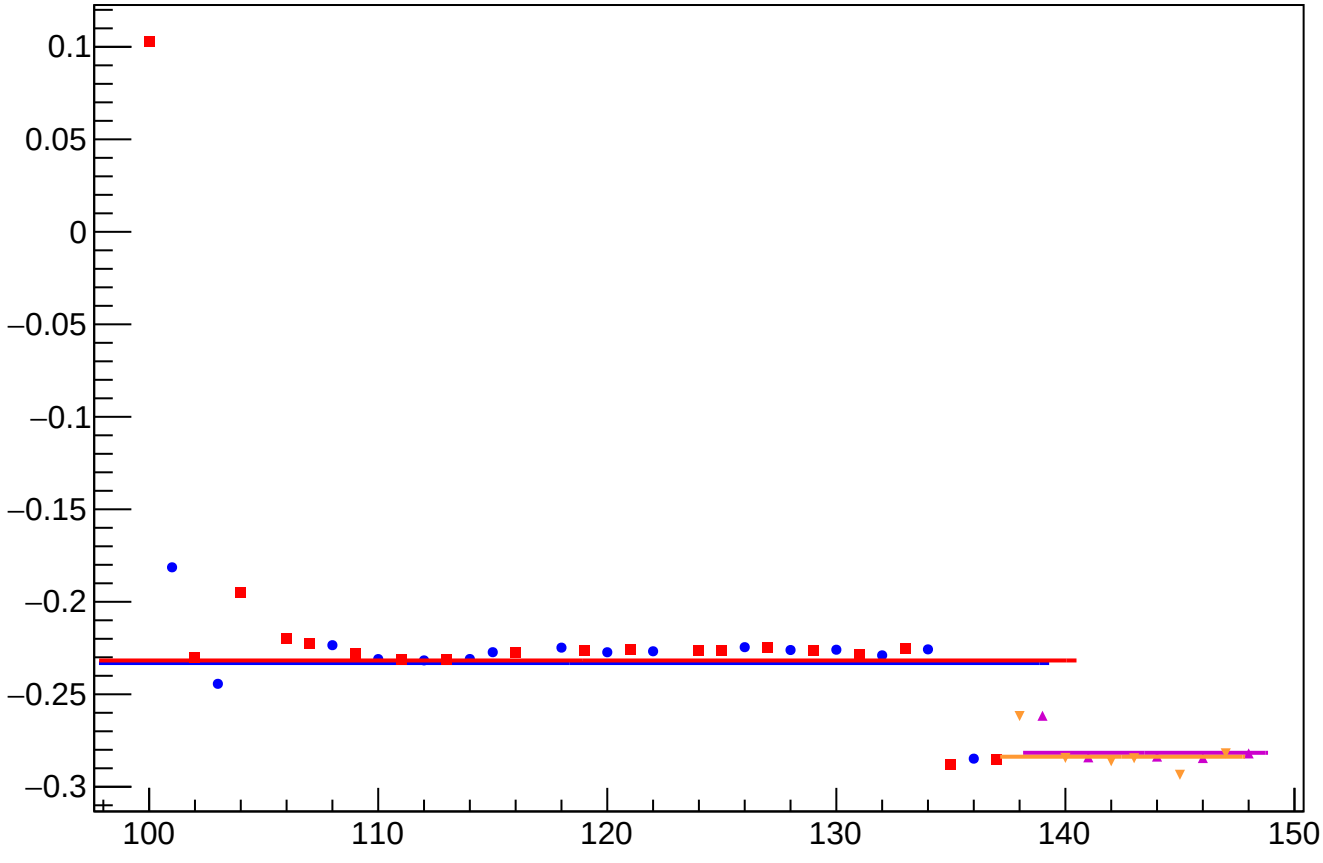
Left In: 0.010+/-0.000 χ^2/NDF:743527.3/4

+ sign 0.011+/-0.000 χ^2/NDF: 2282515.7/21

All: 0.011+/-0.000 χ^2/NDF: 5481976.2/45

- sign 0.011+/-0.000 χ^2/NDF: 3158445.7/23

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

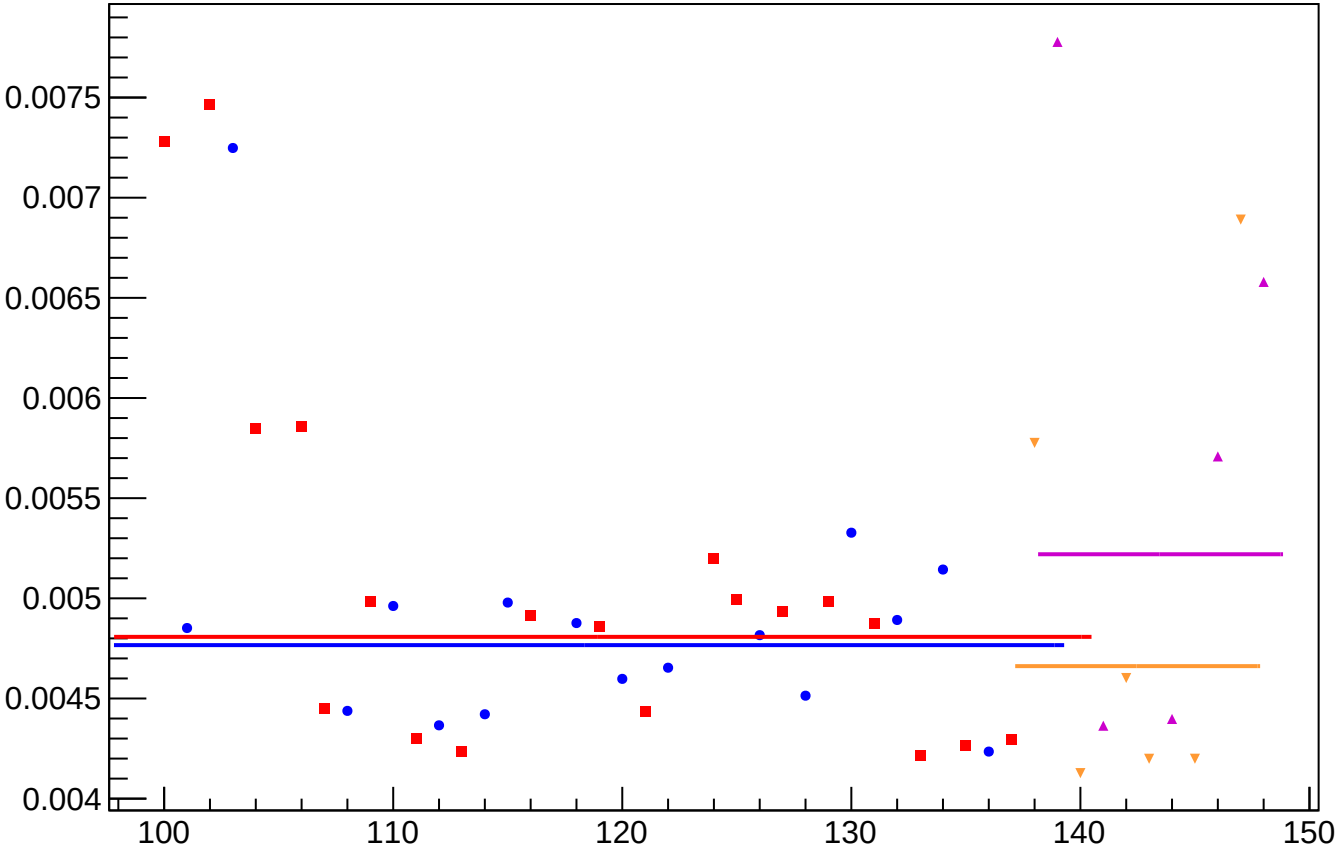
Left In: -0.282+/-0.000 χ^2/NDF:5939158.6/4

+ sign -0.253+/-0.000 χ^2/NDF: 498882804.8/21

All: -0.251+/-0.000 χ^2/NDF: 1034074676.4/4

- sign -0.248+/-0.000 χ^2/NDF: 529726078.5/23

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

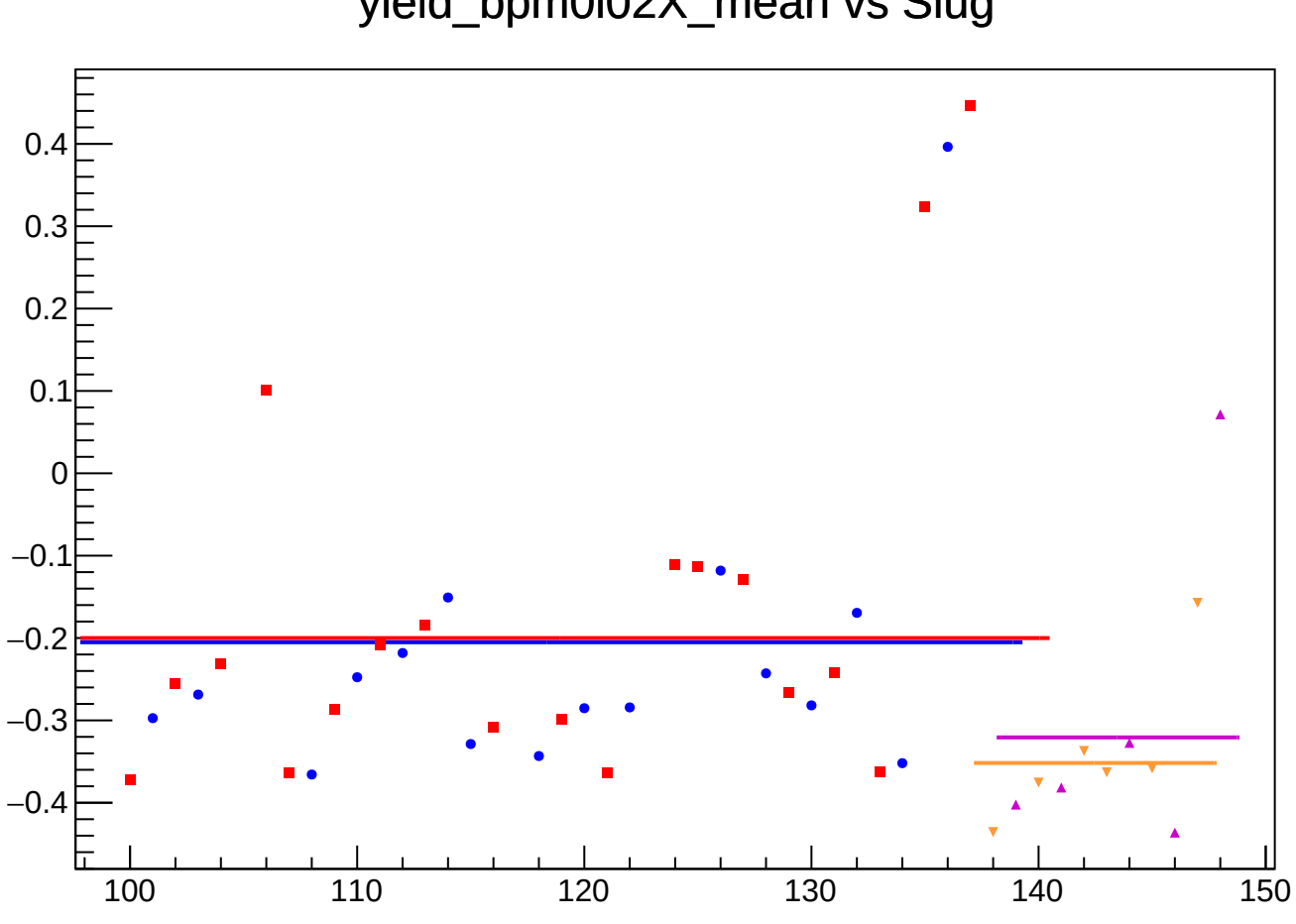
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:372454.8/4

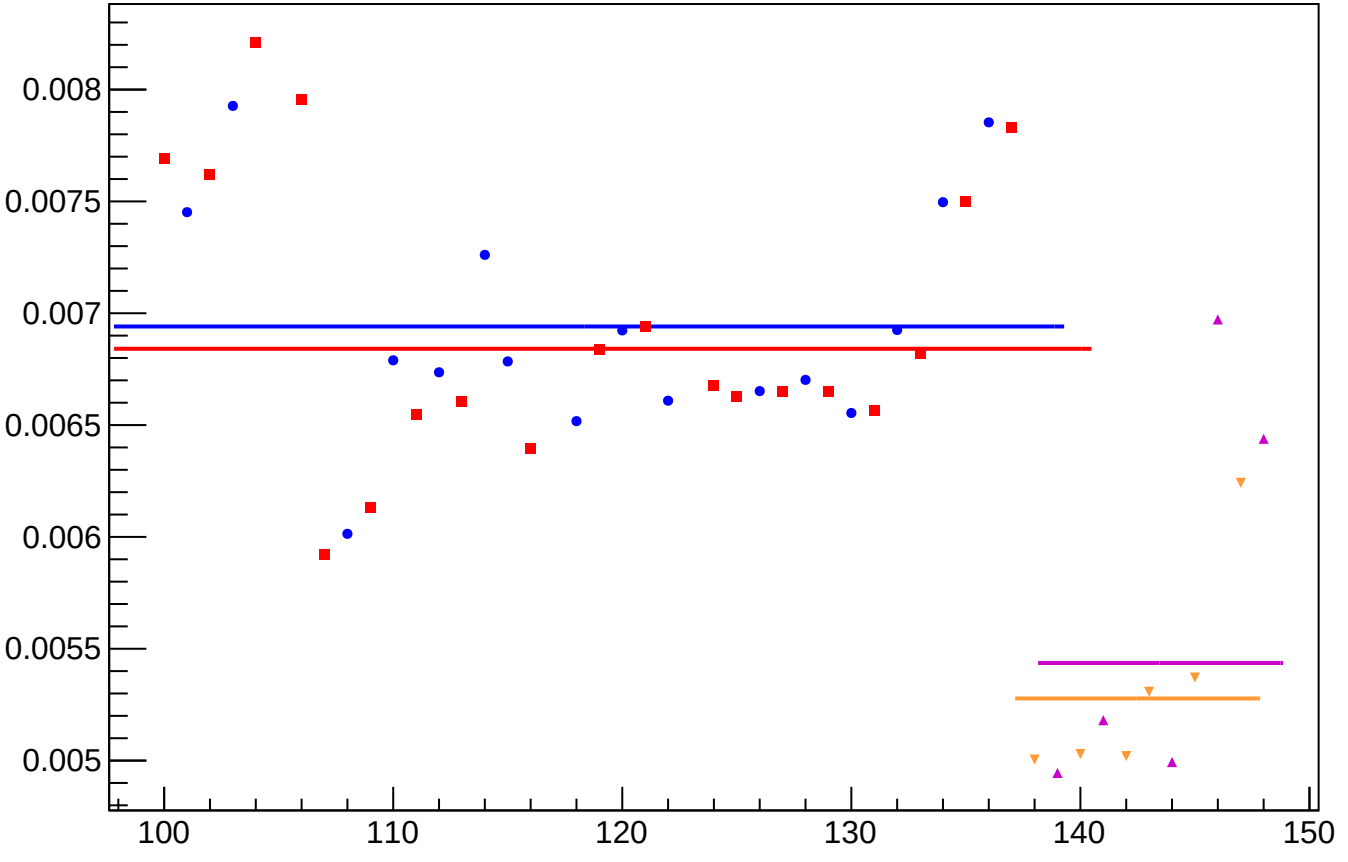
+ sign 0.005+/-0.000 χ^2/NDF: 477757.6/21

All: 0.005+/-0.000 χ^2/NDF: 1197433.7/45

- sign 0.005+/-0.000 χ^2/NDF: 698485.6/23


yield_bpm0i02X_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.352+/-0.000 χ²/NDF:919229074.2/5
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: -0.321+/-0.000 χ²/NDF:3134980921.0/4
+ sign -0.279+/-0.000 χ²/NDF: 8694229897.2/21
All: -0.268+/-0.000 χ²/NDF: 18191564878.0/
- sign -0.256+/-0.000 χ²/NDF: 9415929172.1/23

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

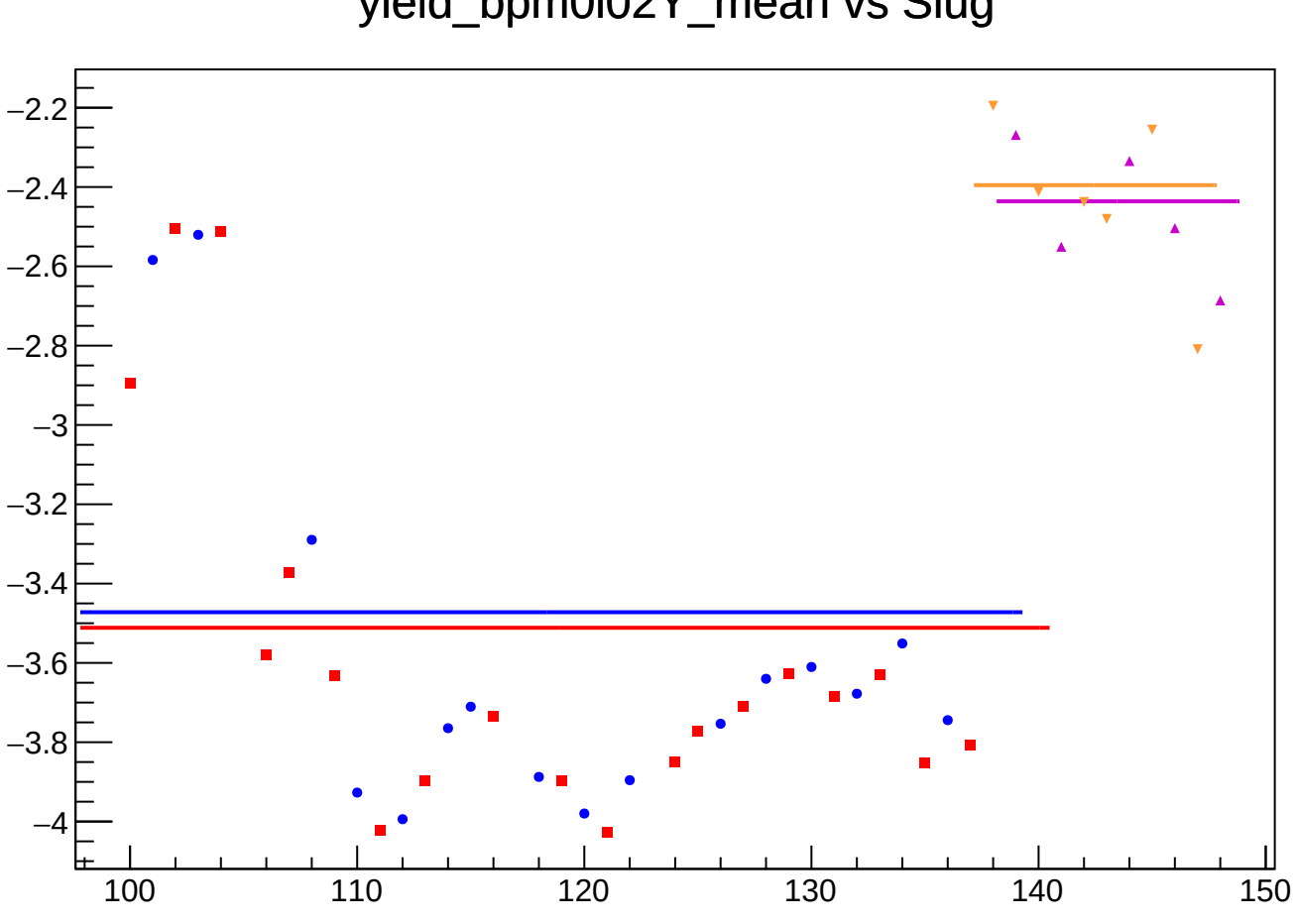
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:137756.5/4

+ sign 0.006+/-0.000 χ^2/NDF: 537961.8/21

All: 0.006+/-0.000 χ^2/NDF: 1057841.4/45

- sign 0.006+/-0.000 χ^2/NDF: 517271.6/23



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.395+/-0.000 χ^2/NDF:1185031782.1/5

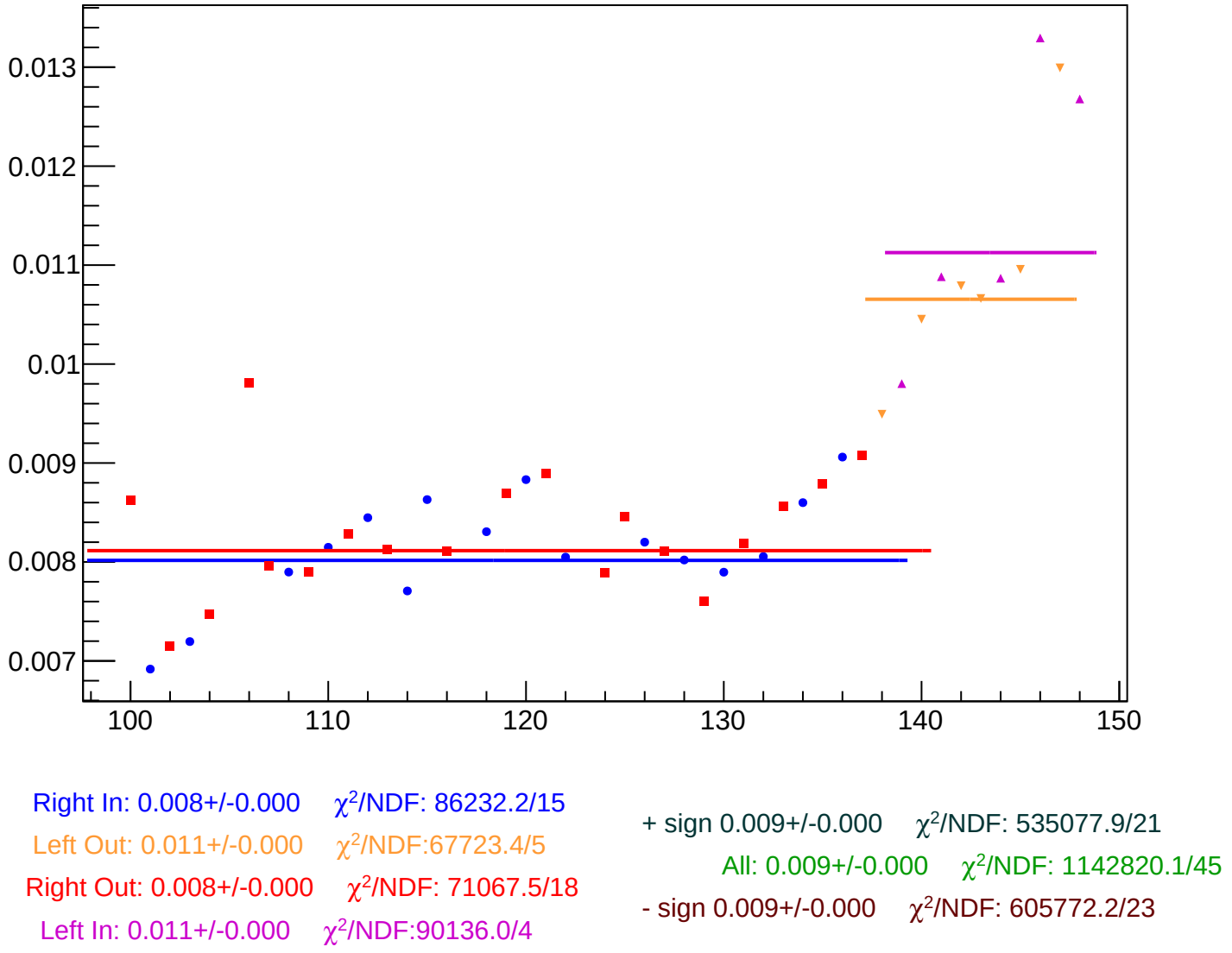
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.436+/-0.000 χ^2/NDF:708957569.4/4

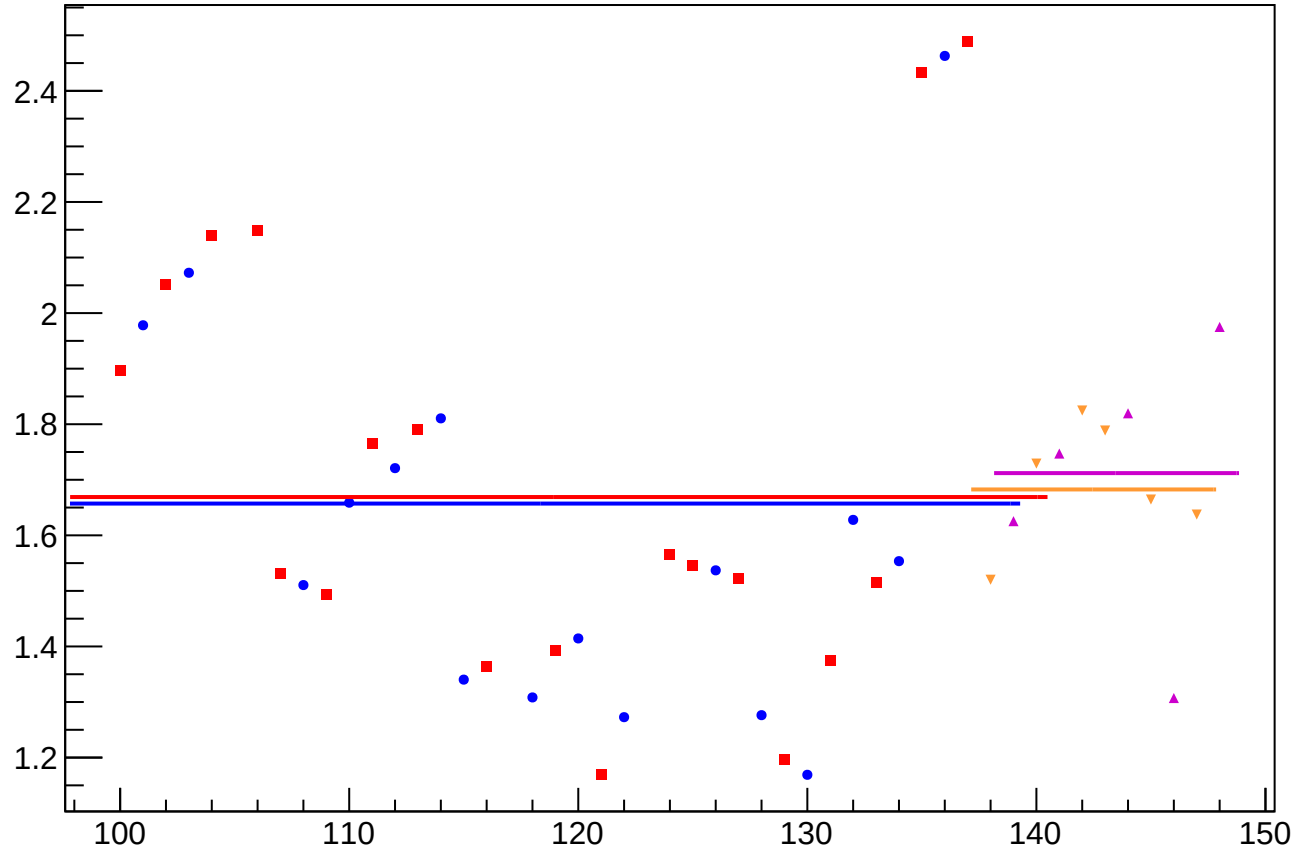
+ sign -3.201+/-0.000 χ^2/NDF: 62511909813.9/21

All: -3.234+/-0.000 χ^2/NDF: 121587054453.2

- sign -3.268+/-0.000 χ^2/NDF: 58762118353.9/23


yield_bpm0i02Y_rms vs Slug
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.011+/-0.000 χ²/NDF:67723.4/5
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.011+/-0.000 χ²/NDF:90136.0/4
+ sign 0.009+/-0.000 χ²/NDF: 535077.9/21
All: 0.009+/-0.000 χ²/NDF: 1142820.1/45
- sign 0.009+/-0.000 χ²/NDF: 605772.2/23

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

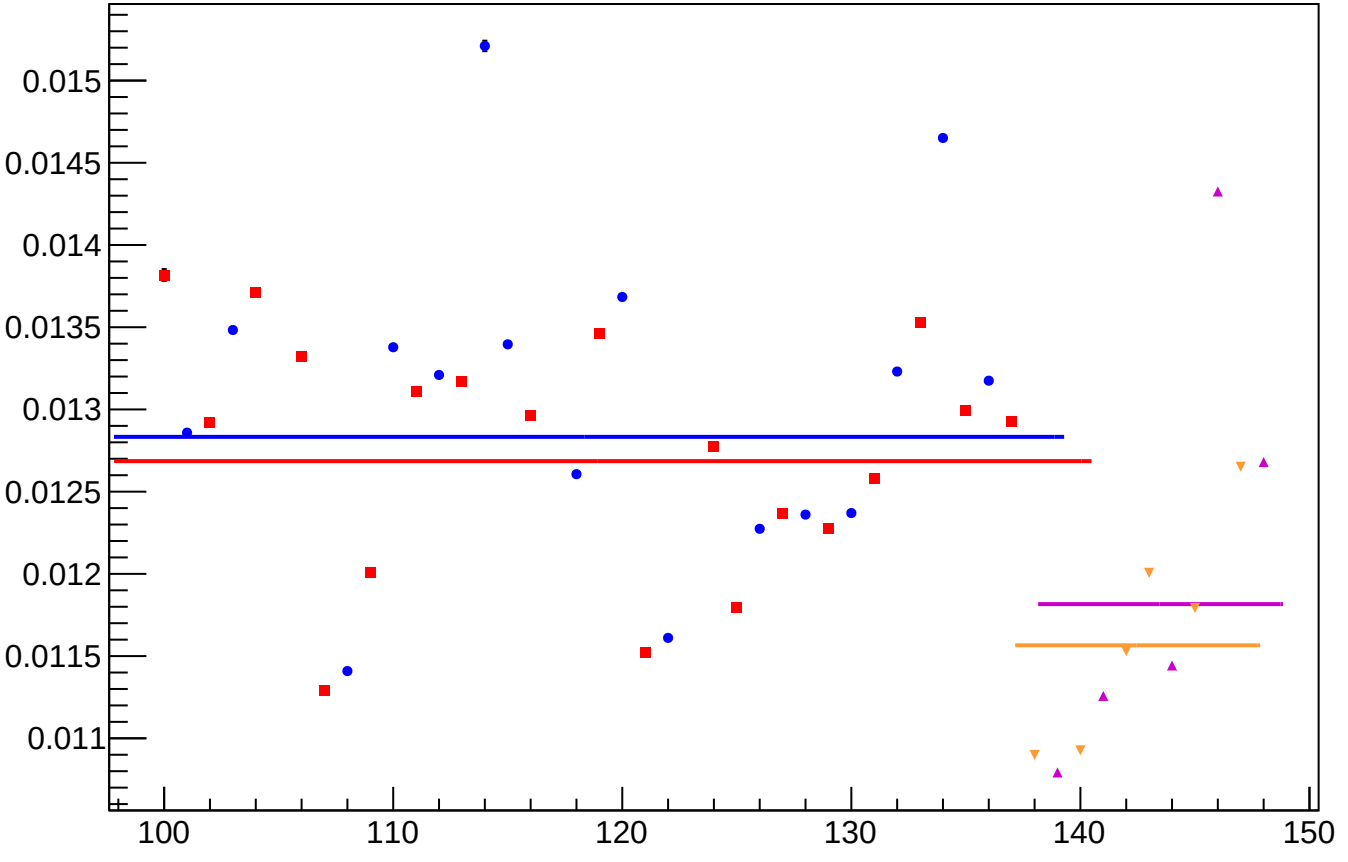
Left In: 1.712+/-0.000 χ^2/NDF:1080565575.3/4

+ sign 1.668+/-0.000 χ^2/NDF: 6997577266.7/21

All: 1.677+/-0.000 χ^2/NDF: 14479989035.3/4

- sign 1.686+/-0.000 χ^2/NDF: 7470737940.8/23

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

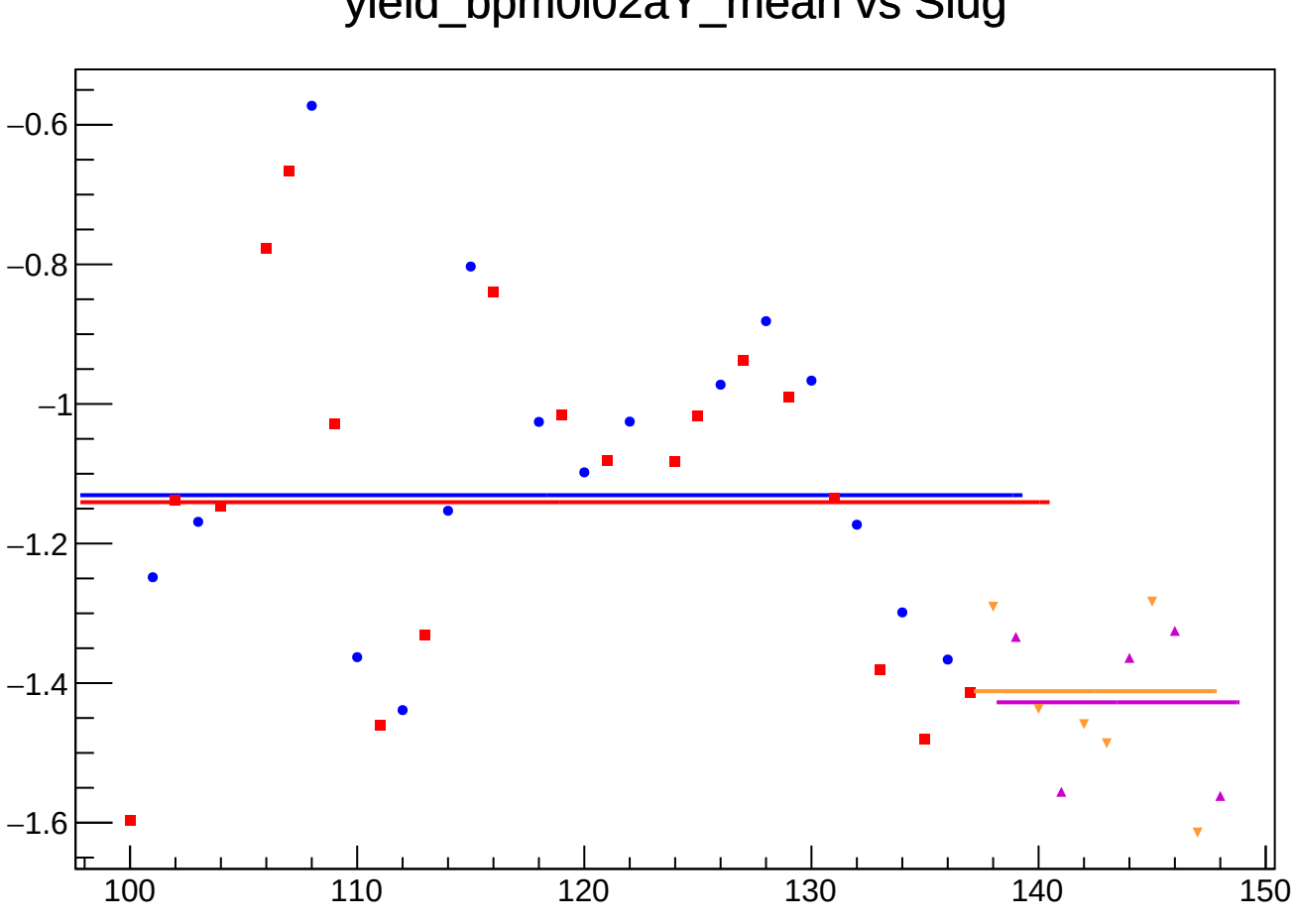
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:75831.5/4

+ sign 0.012+/-0.000 χ^2/NDF: 136279.3/21

All: 0.012+/-0.000 χ^2/NDF: 282188.8/45

- sign 0.012+/-0.000 χ^2/NDF: 145684.8/23



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

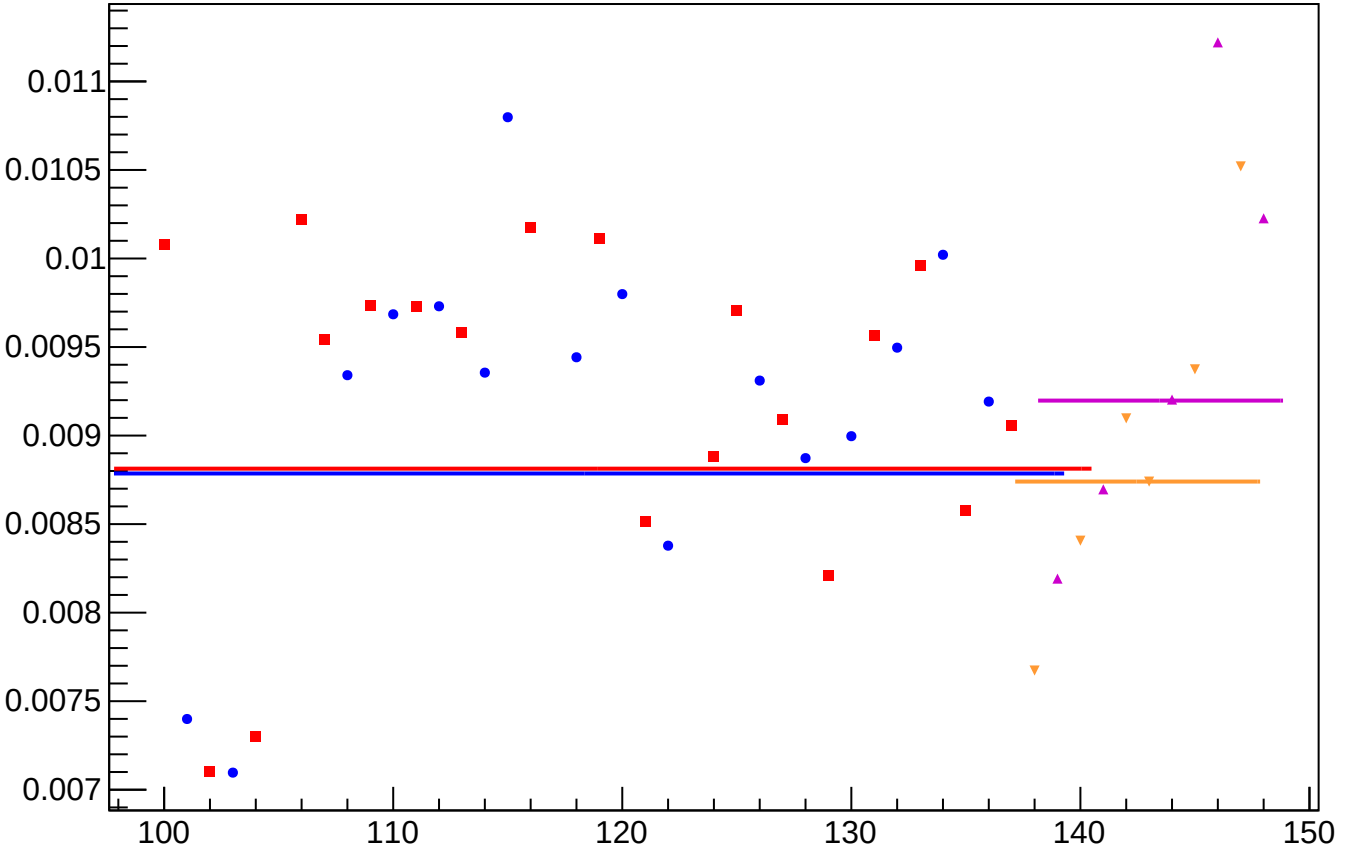
Left In: -1.427+/-0.000 χ^2/NDF:514718456.2/4

+ sign -1.237+/-0.000 χ^2/NDF: 7069066150.1/21

All: -1.237+/-0.000 χ^2/NDF: 13624854886.7/

- sign -1.238+/-0.000 χ^2/NDF: 6555623283.7/23

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

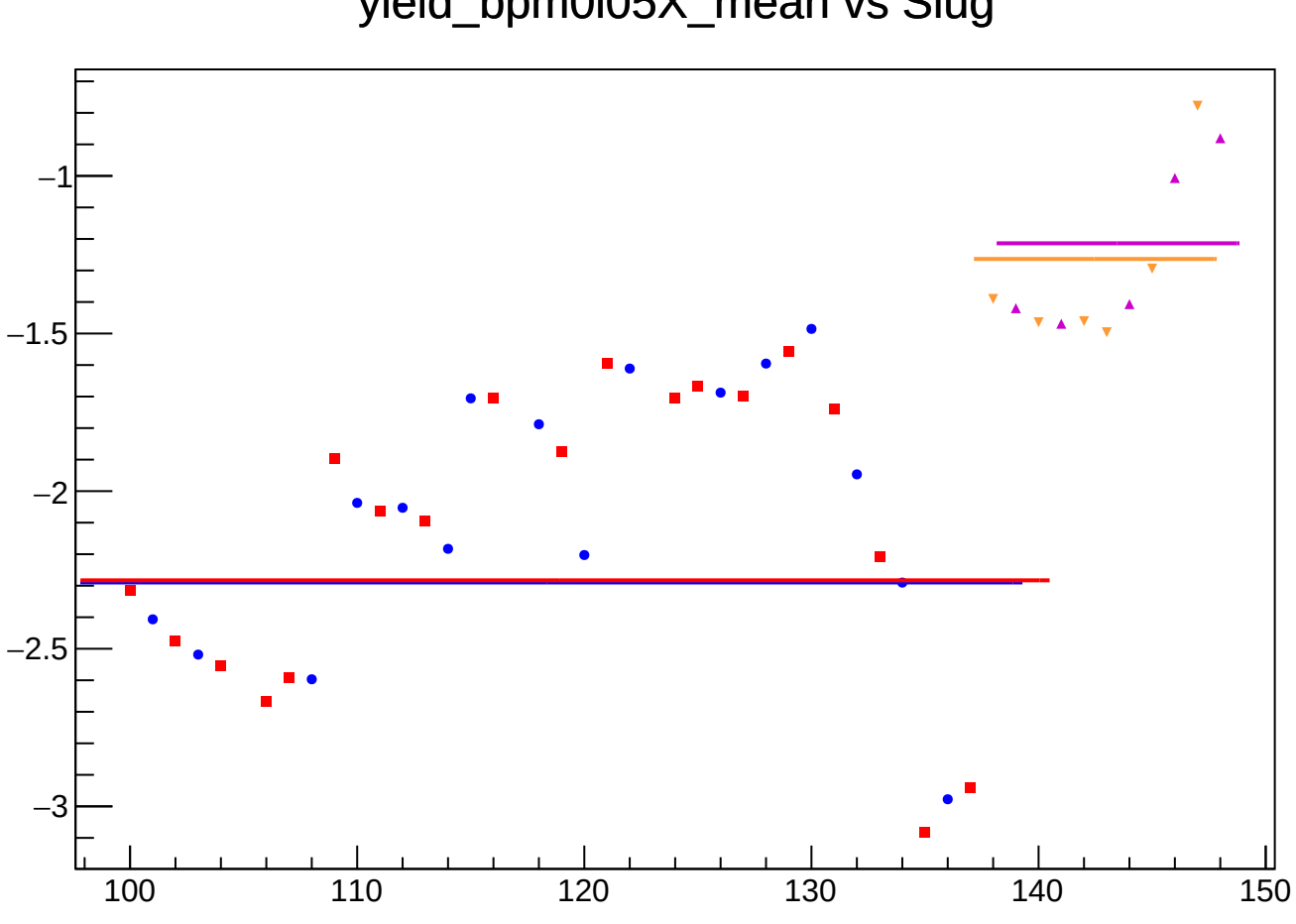
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:89916.7/4

+ sign 0.009+/-0.000 χ^2/NDF: 250835.7/21

All: 0.009+/-0.000 χ^2/NDF: 558429.8/45

- sign 0.009+/-0.000 χ^2/NDF: 303335.9/23



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

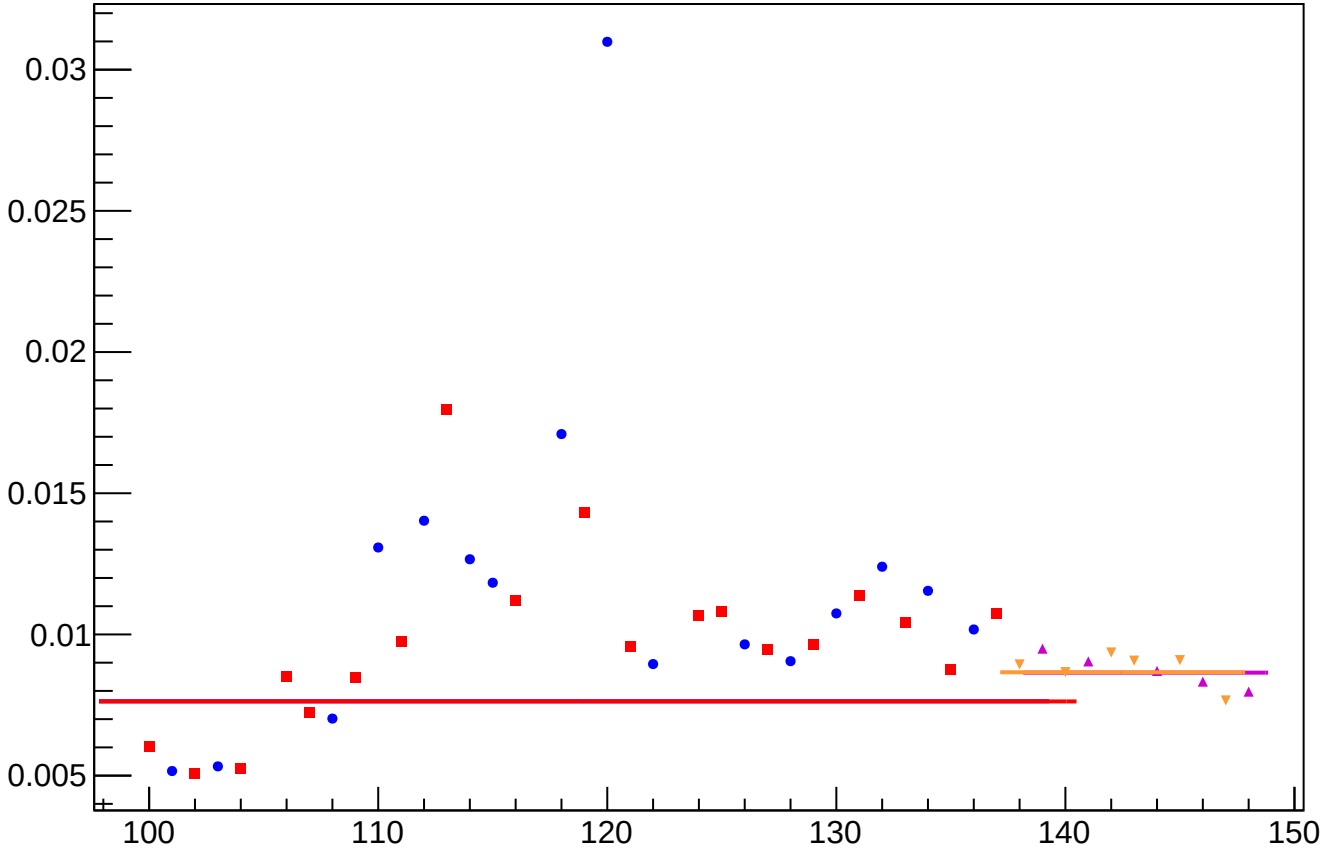
Left In: -1.214+/-0.000 χ^2/NDF:3221502049.6/4

+ sign -1.903+/-0.000 χ^2/NDF: 54061549276.4/21

All: -1.903+/-0.000 χ^2/NDF: 112950006586.8

- sign -1.904+/-0.000 χ^2/NDF: 58888421181.9/23

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

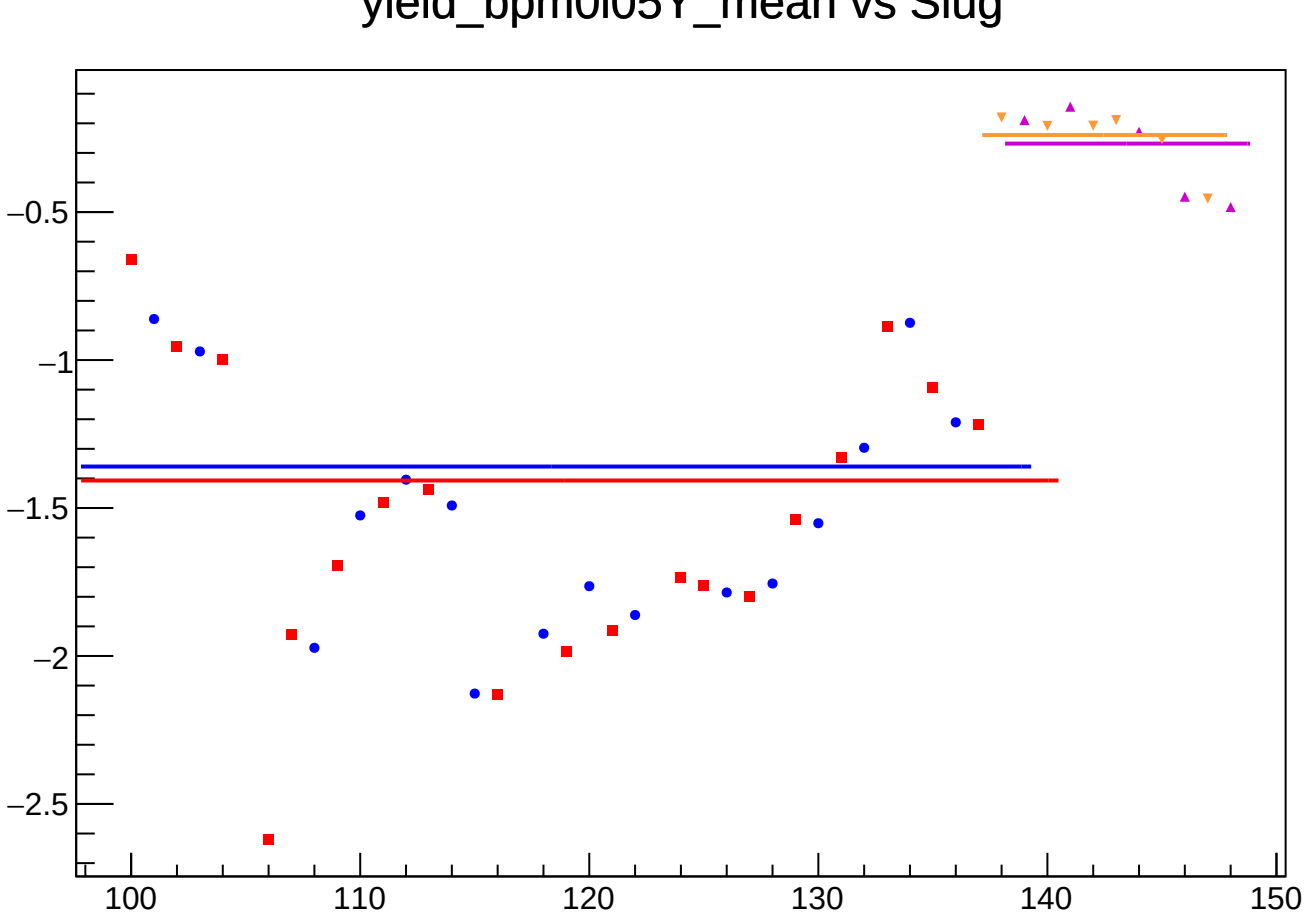
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:28272.4/4

+ sign 0.008+/-0.000 χ^2/NDF: 1817661.1/21

All: 0.008+/-0.000 χ^2/NDF: 3234044.6/45

- sign 0.008+/-0.000 χ^2/NDF: 1416245.5/23



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

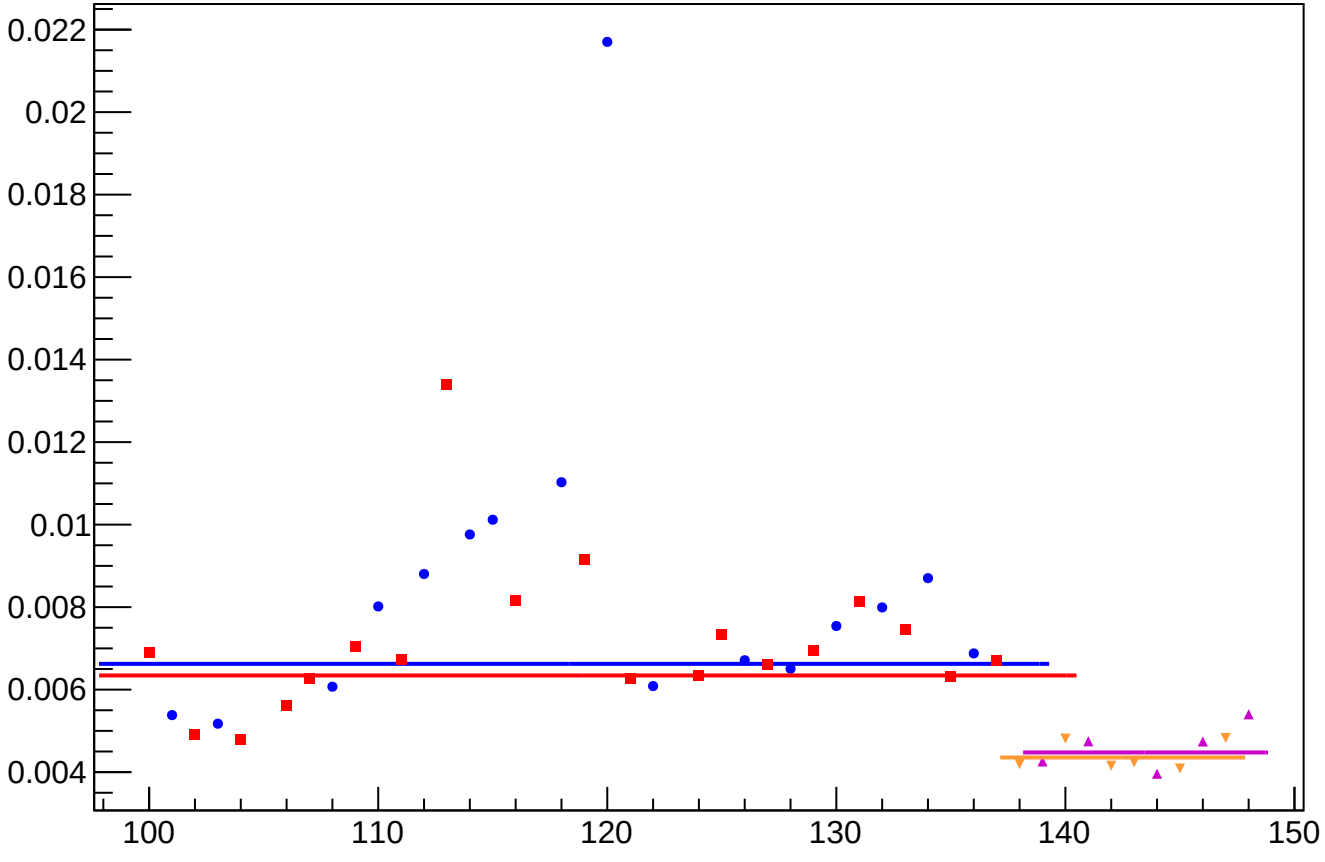
Left In: -0.269+/-0.000 χ^2/NDF:2894175393.8/4

+ sign -0.672+/-0.000 χ^2/NDF: 124714508541.4/21

All: -0.726+/-0.000 χ^2/NDF: 267896009912.8

- sign -0.781+/-0.000 χ^2/NDF: 141165127395.1/23

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

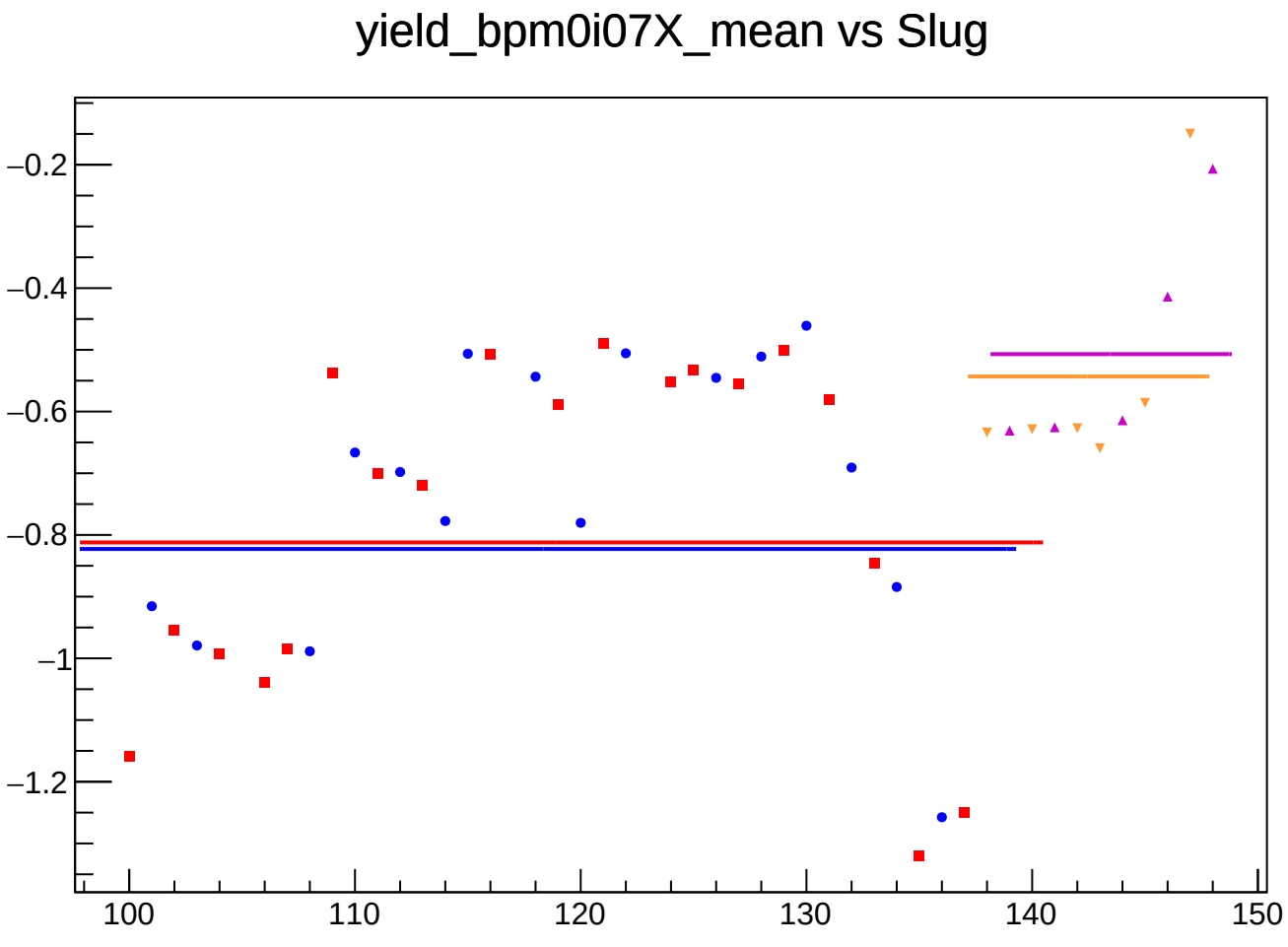
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:77701.0/4

+ sign 0.005+/-0.000 χ^2/NDF: 1565675.5/21

All: 0.005+/-0.000 χ^2/NDF: 2757813.0/45

- sign 0.005+/-0.000 χ^2/NDF: 1189621.2/23



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

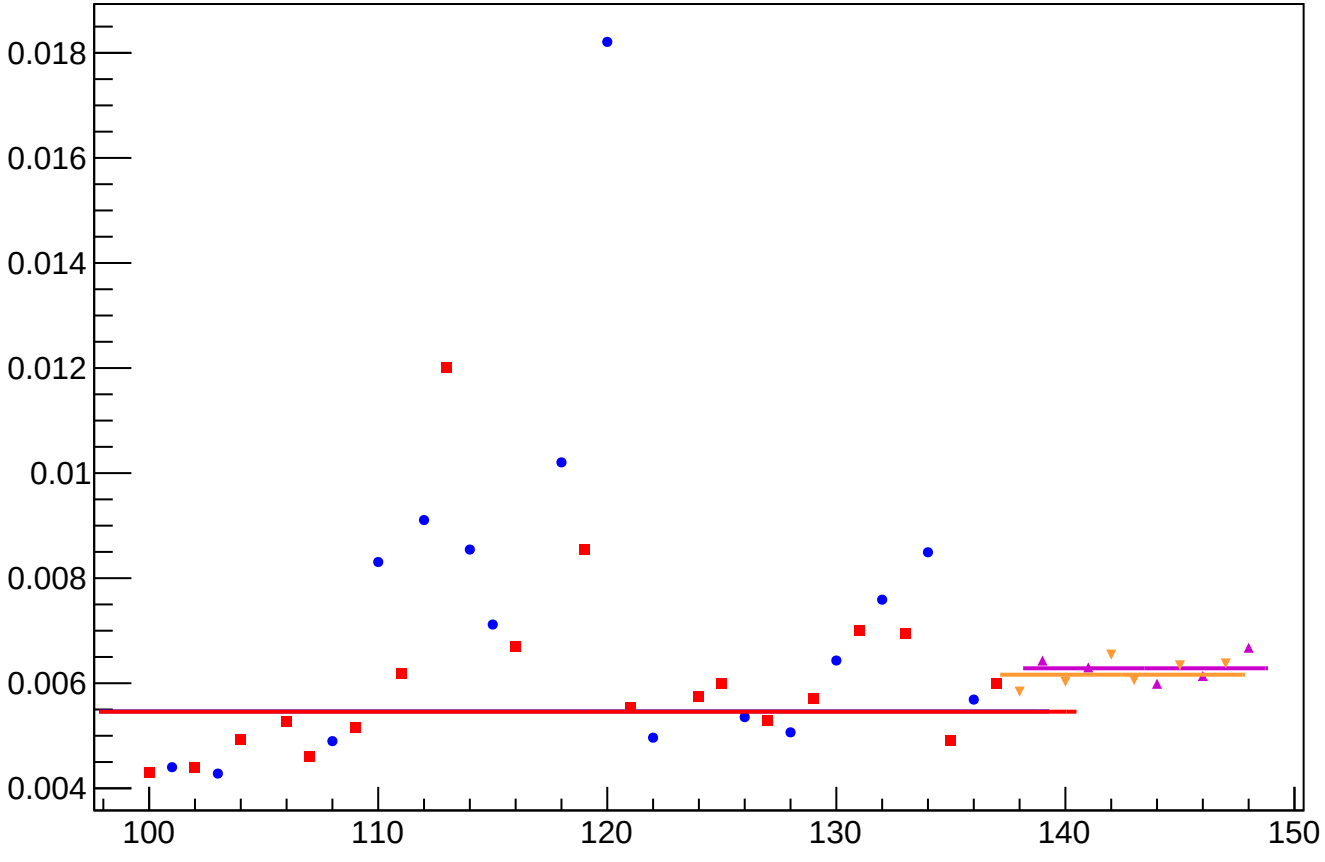
Left In: -0.507+/-0.000 χ^2/NDF:2528295627.4/4

+ sign -0.723+/-0.000 χ^2/NDF: 20868959804.1/21

All: -0.717+/-0.000 χ^2/NDF: 44382862006.9/

- sign -0.712+/-0.000 χ^2/NDF: 23498139827.9/23

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

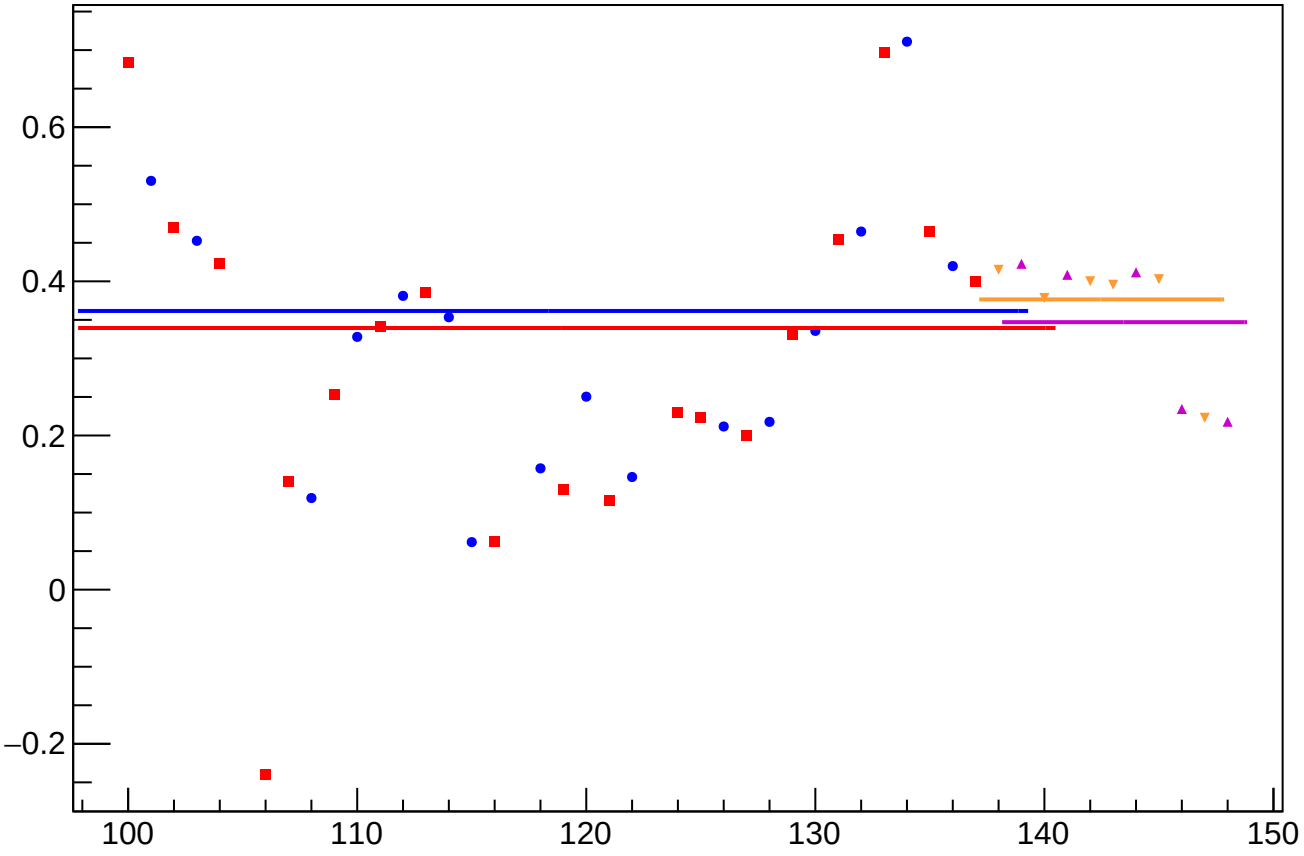
Left In: 0.006+/-0.000 χ^2/NDF:10749.8/4

+ sign 0.006+/-0.000 χ^2/NDF: 1036466.0/21

All: 0.006+/-0.000 χ^2/NDF: 1645121.2/45

- sign 0.006+/-0.000 χ^2/NDF: 608588.0/23

yield_bpm0i07Y_mean vs Slug



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

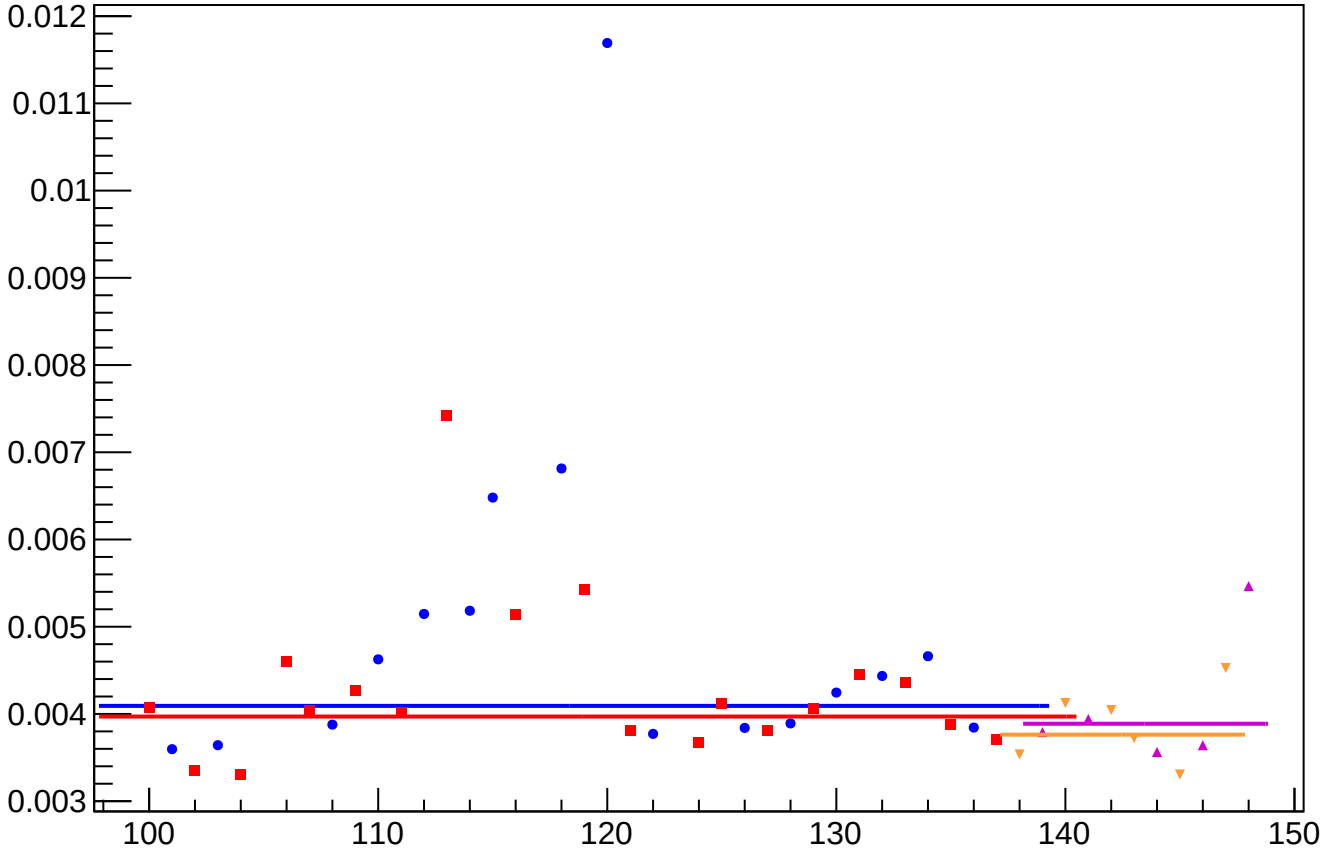
Left In: 0.347+/-0.000 χ^2/NDF:1553519982.7/4

+ sign 0.367+/-0.000 χ^2/NDF: 9594014385.8/21

All: 0.354+/-0.000 χ^2/NDF: 23413638807.7/4

- sign 0.342+/-0.000 χ^2/NDF: 13632886319.8/23

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

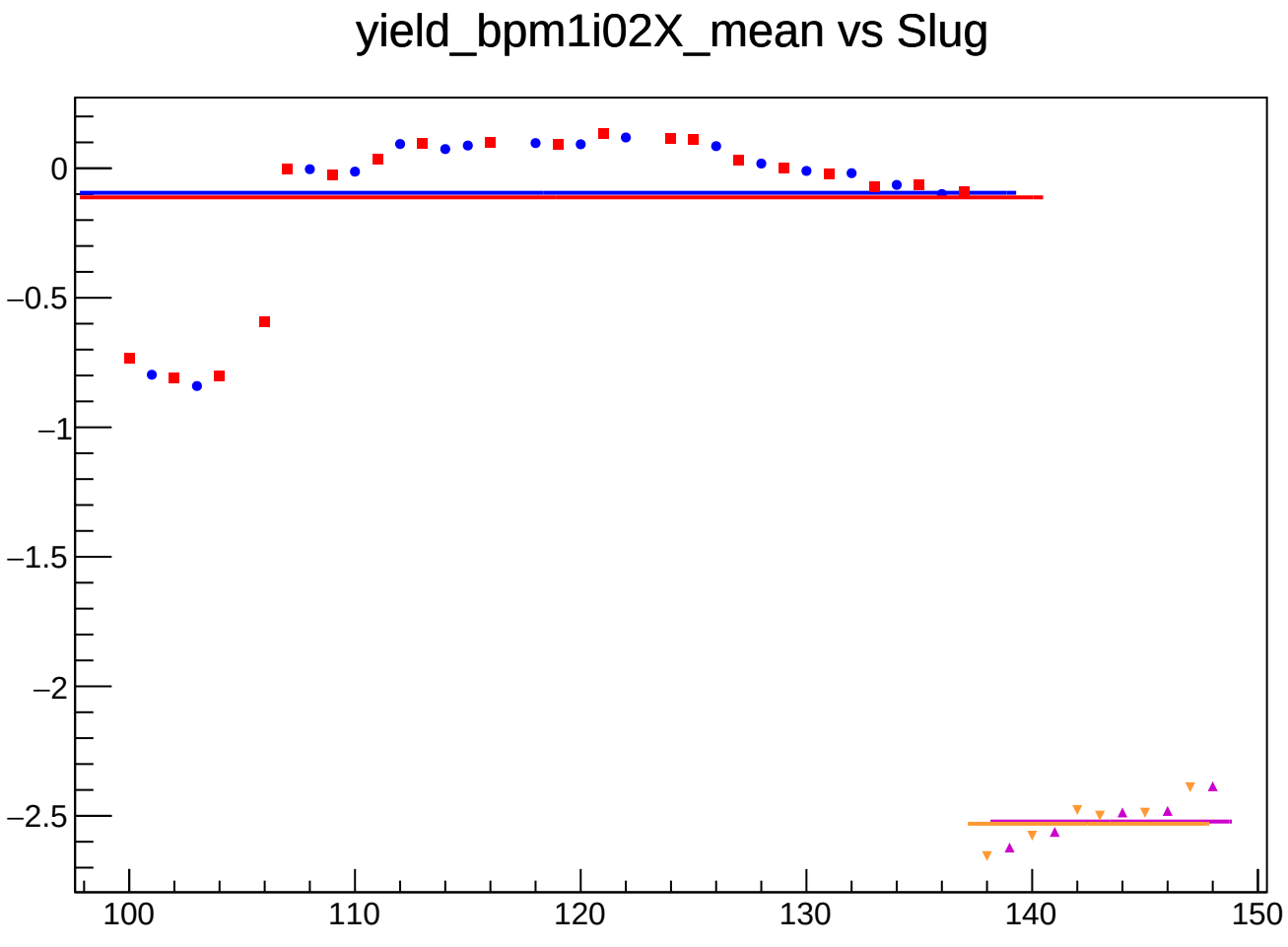
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:116191.6/4

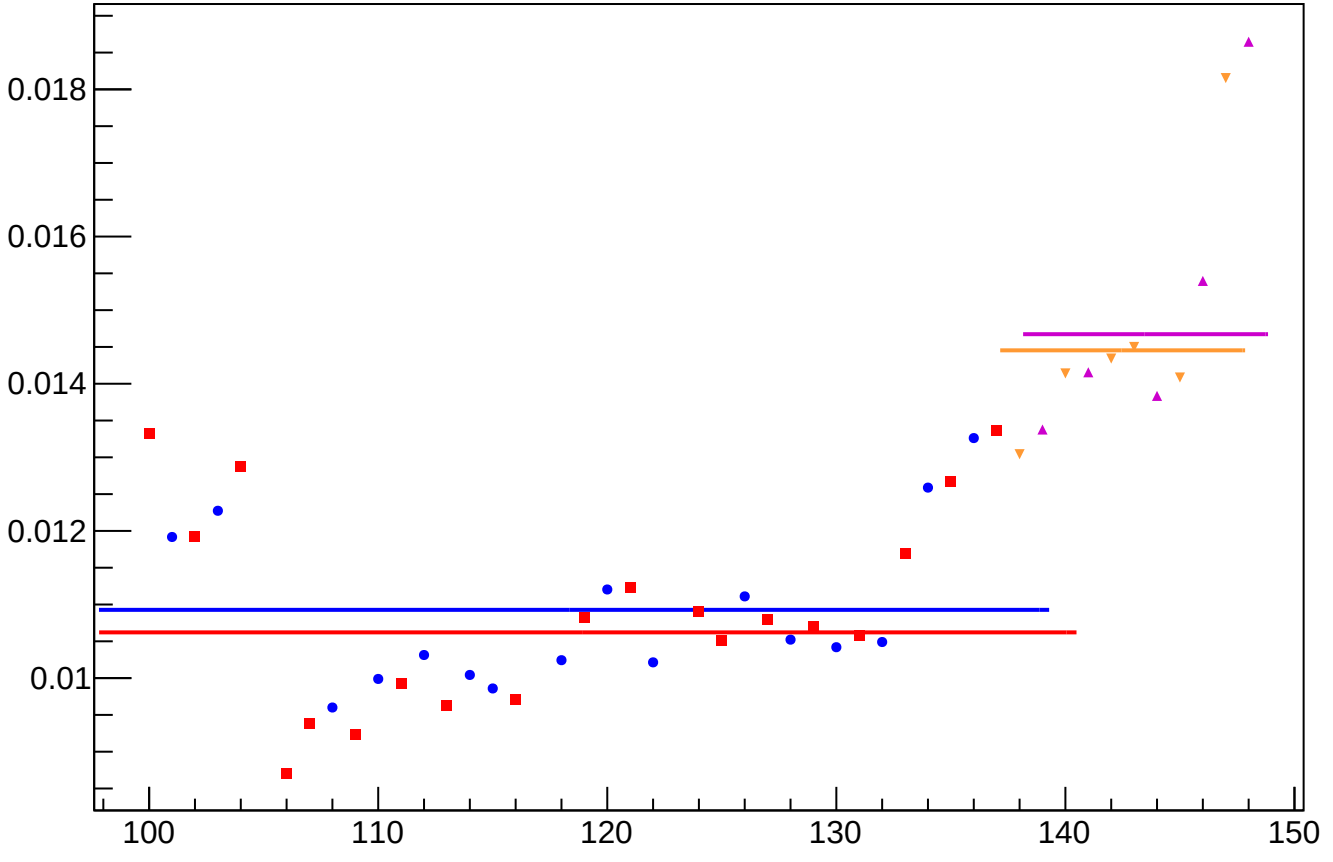
+ sign 0.004+/-0.000 χ^2/NDF: 593117.9/21

All: 0.004+/-0.000 χ^2/NDF: 1025269.1/45

- sign 0.004+/-0.000 χ^2/NDF: 431702.4/23


yield_bpm1i02X_mean vs Slug
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: -0.095+/-0.000 χ²/NDF: 5489721985.1/15
Left Out: -2.531+/-0.000 χ²/NDF:145741097.0/5
Right Out: -0.112+/-0.000 χ²/NDF: 6190163375.6/18
Left In: -2.522+/-0.000 χ²/NDF:111105811.4/4
+ sign -0.733+/-0.000 χ²/NDF: 98434825766.2/21
All: -0.704+/-0.000 χ²/NDF: 193555483578.3
- sign -0.675+/-0.000 χ²/NDF: 94981614970.3/23

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

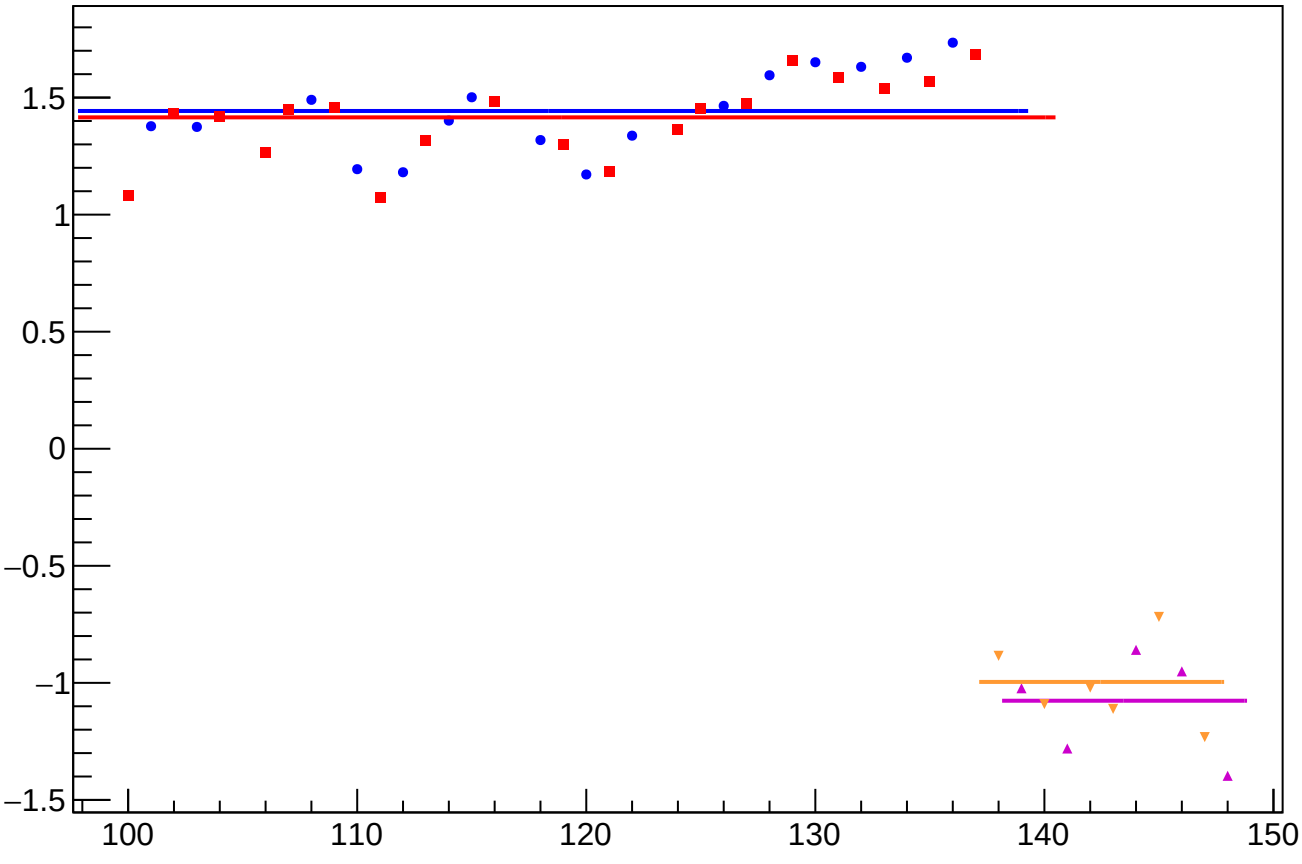
Left In: 0.015+/-0.000 χ^2/NDF:104678.7/4

+ sign 0.012+/-0.000 χ^2/NDF: 613585.1/21

All: 0.012+/-0.000 χ^2/NDF: 1416916.0/45

- sign 0.012+/-0.000 χ^2/NDF: 796649.1/23

yield_bpm1i02Y_mean vs Slug



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

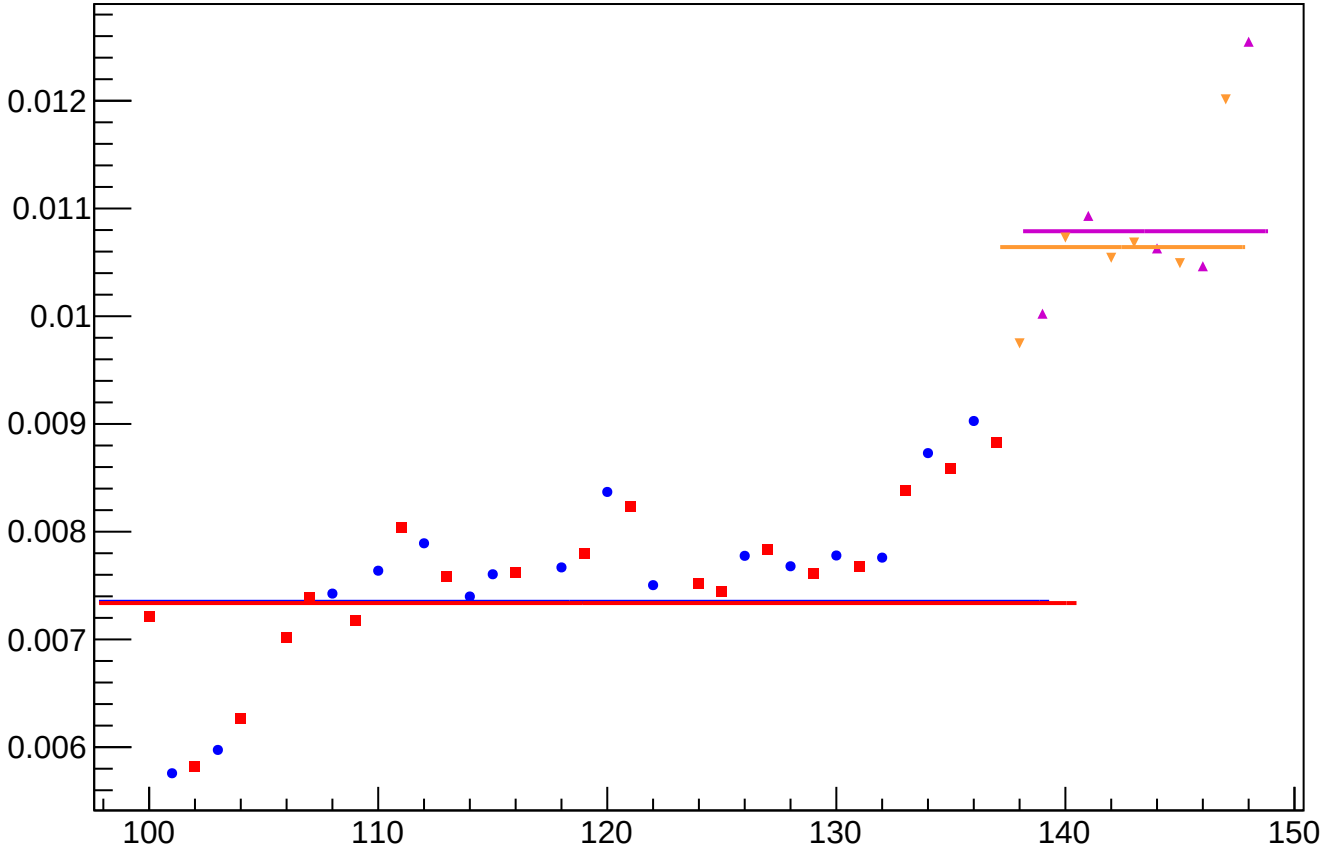
Left In: -1.076+/-0.000 χ^2/NDF:1377868347.1/4

+ sign 0.876+/-0.000 χ^2/NDF: 185641162018.4/21

All: 0.880+/-0.000 χ^2/NDF: 371319888883.3

- sign 0.884+/-0.000 χ^2/NDF: 185674108428.6/23

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

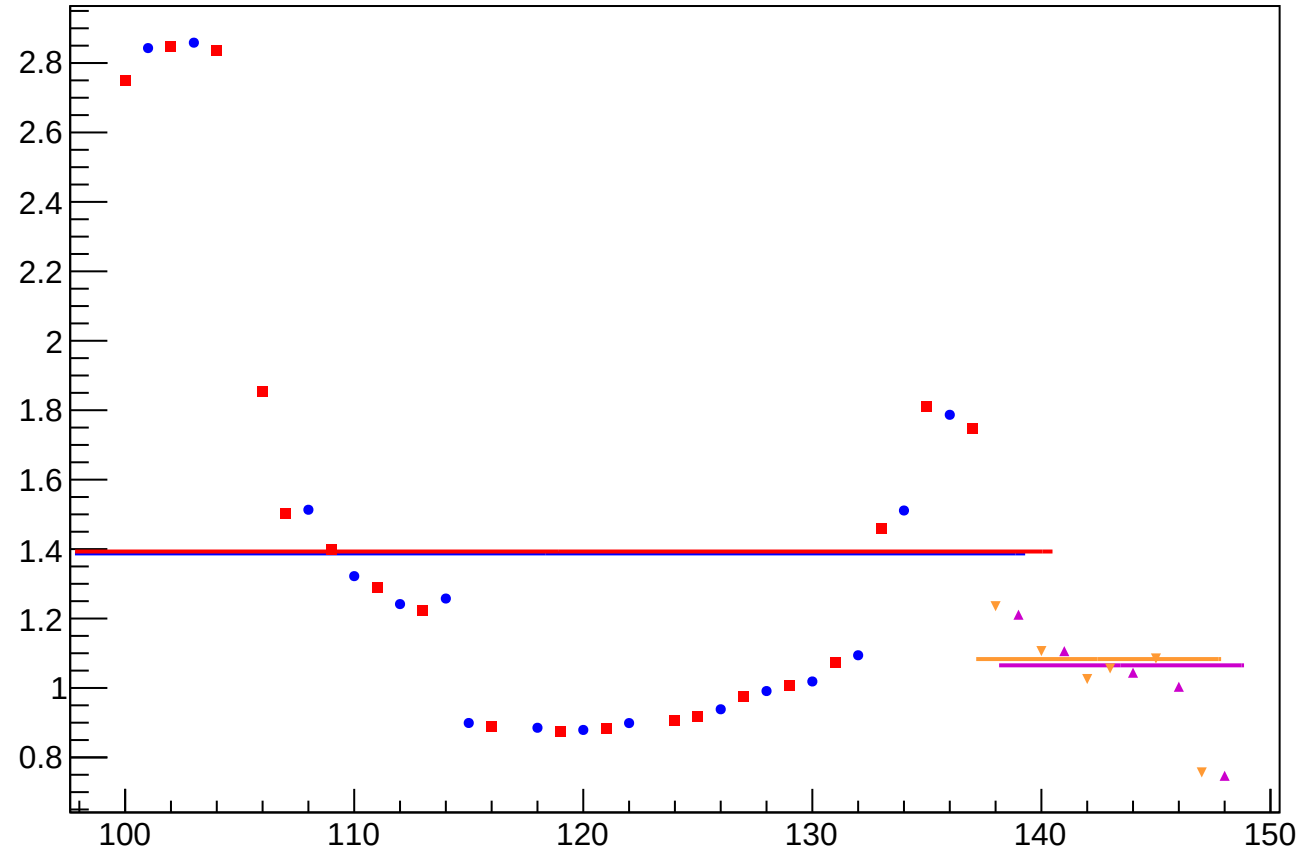
Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.011+/-0.000 χ^2/NDF:44982.7/4

+ sign 0.008+/-0.000 χ^2/NDF: 964835.4/21

All: 0.008+/-0.000 χ^2/NDF: 1901870.8/45

- sign 0.008+/-0.000 χ^2/NDF: 936760.8/23



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

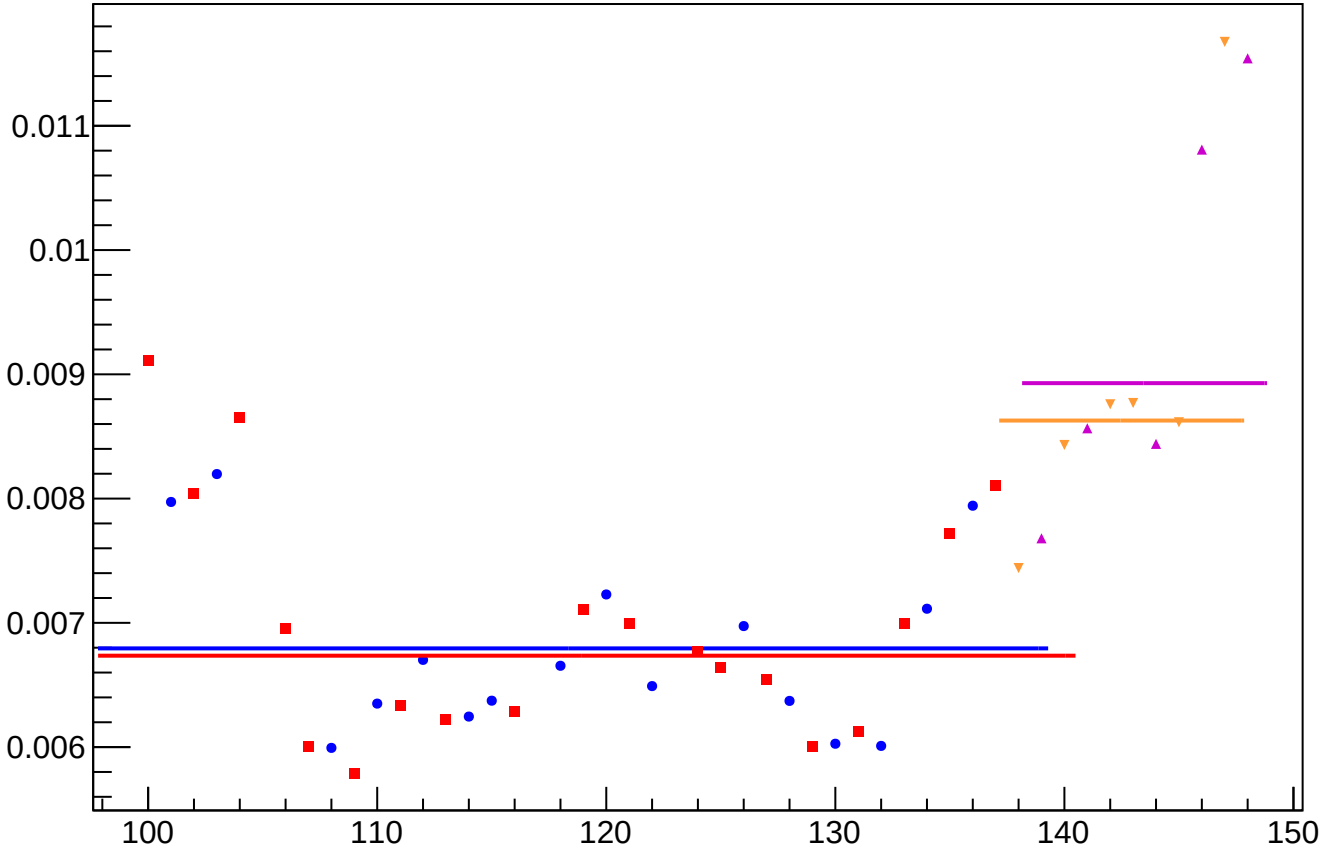
Left In: 1.065+/-0.000 χ^2/NDF:952481470.4/4

+ sign 1.305+/-0.000 χ^2/NDF: 63403482102.8/21

All: 1.310+/-0.000 χ^2/NDF: 123904394706.9

- sign 1.315+/-0.000 χ^2/NDF: 60491676327.0/23

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

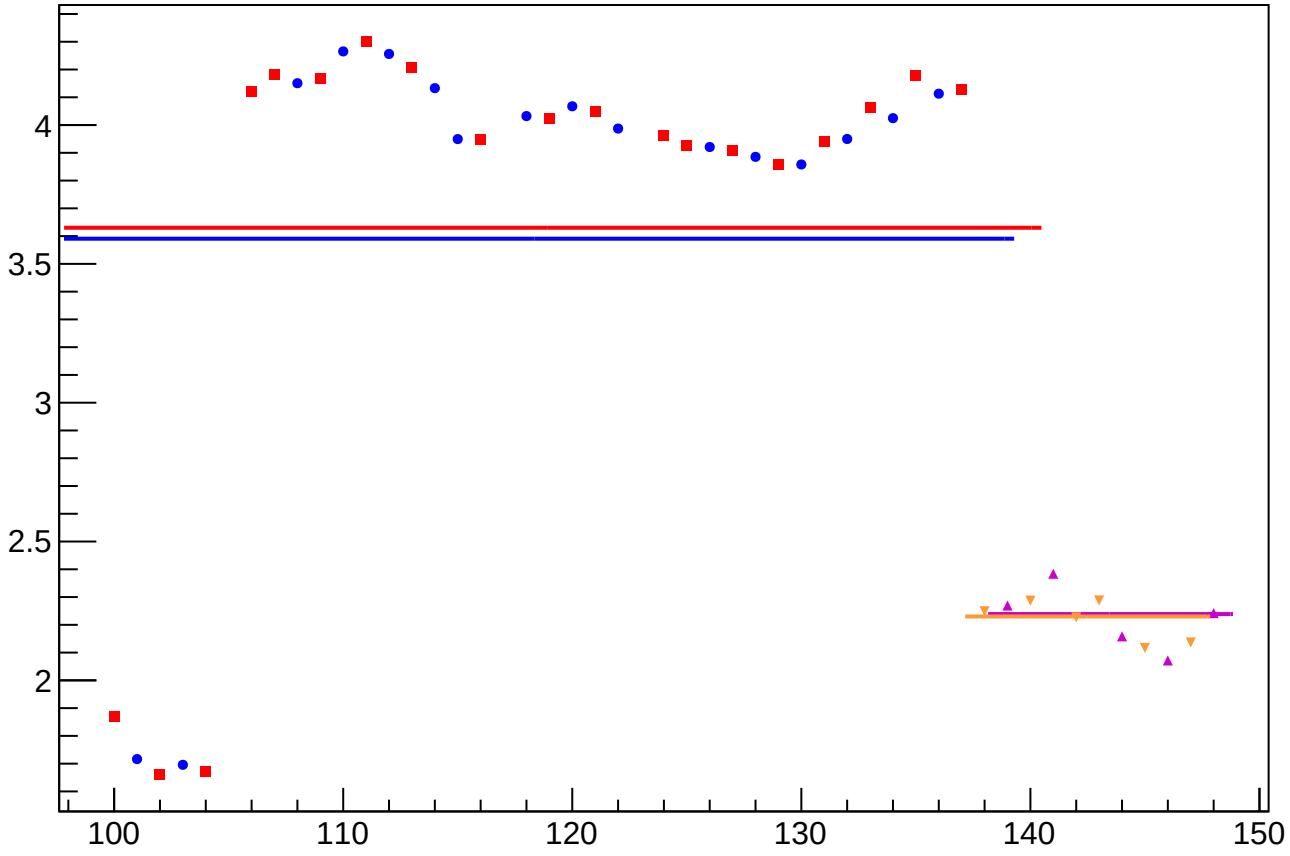
Left In: 0.009+/-0.000 χ^2/NDF:181594.9/4

+ sign 0.007+/-0.000 χ^2/NDF: 586095.3/21

All: 0.007+/-0.000 χ^2/NDF: 1339982.7/45

- sign 0.007+/-0.000 χ^2/NDF: 753697.2/23

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

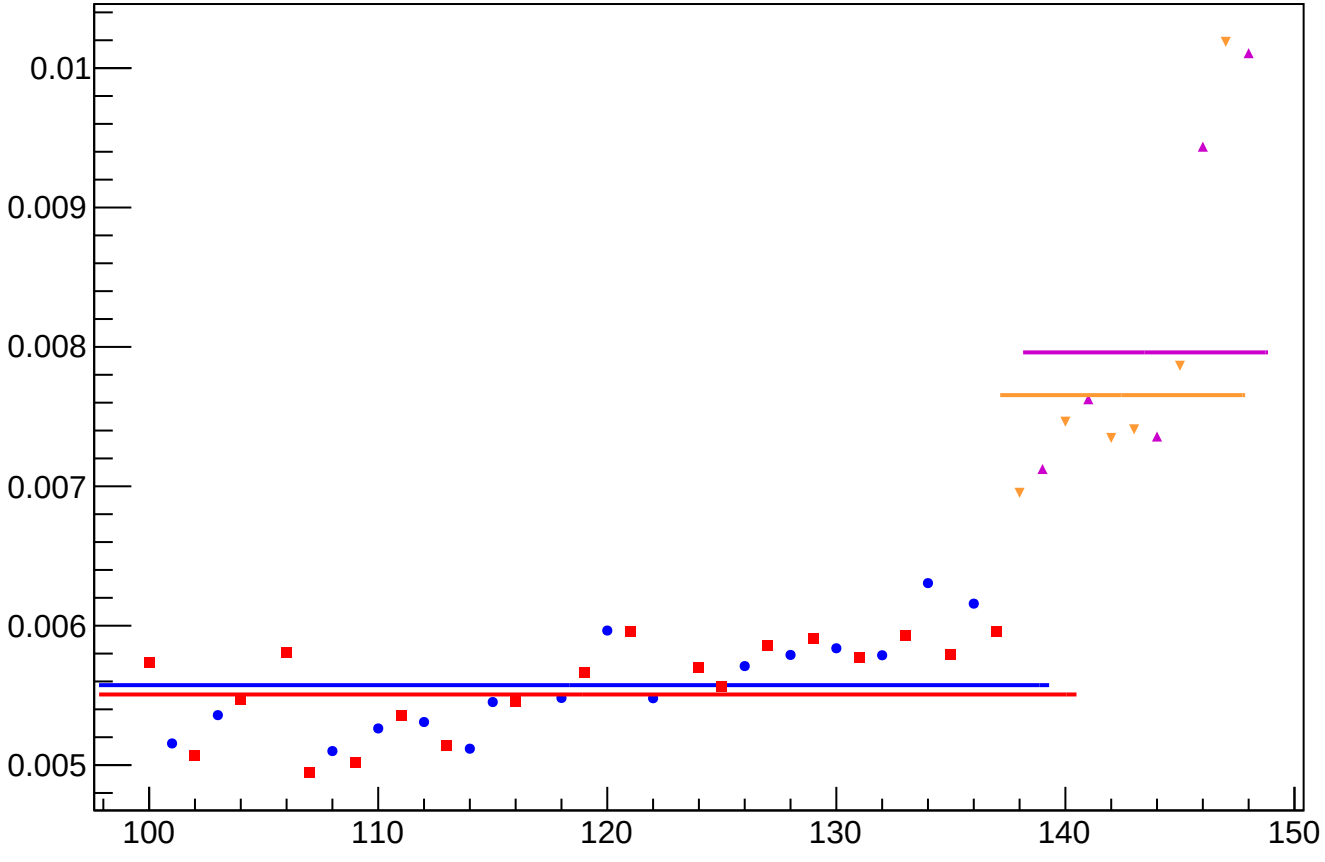
Left In: 2.239+/-0.000 χ^2/NDF:679590394.4/4

+ sign 3.266+/-0.000 χ^2/NDF: 304401858554.9/21

All: 3.302+/-0.000 χ^2/NDF: 616278874417.7

- sign 3.338+/-0.000 χ^2/NDF: 311087840205.6/23

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

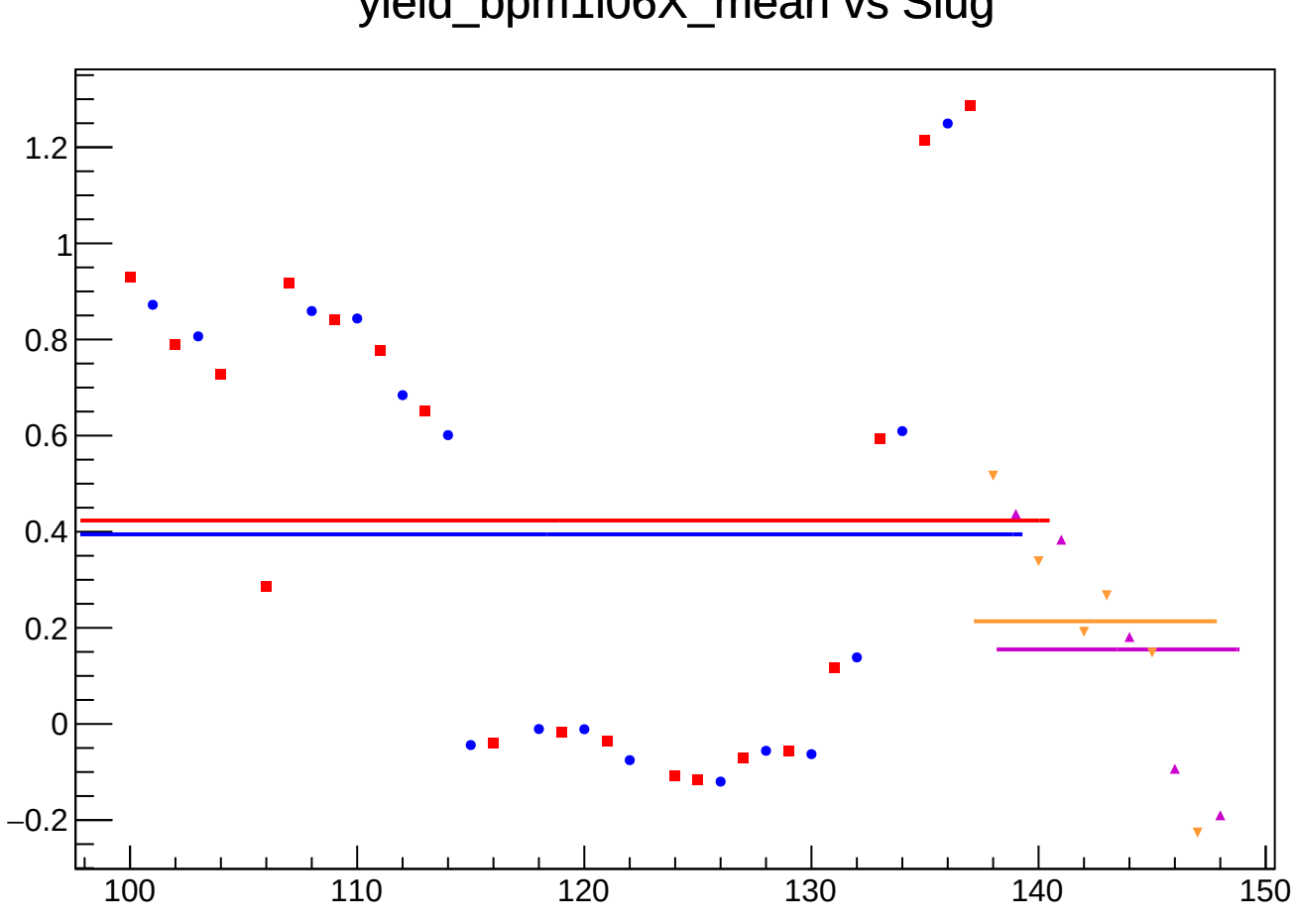
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.008+/-0.000 χ^2/NDF:144631.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 645688.1/21

All: 0.006+/-0.000 χ^2/NDF: 1457114.5/45

- sign 0.006+/-0.000 χ^2/NDF: 810719.3/23



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

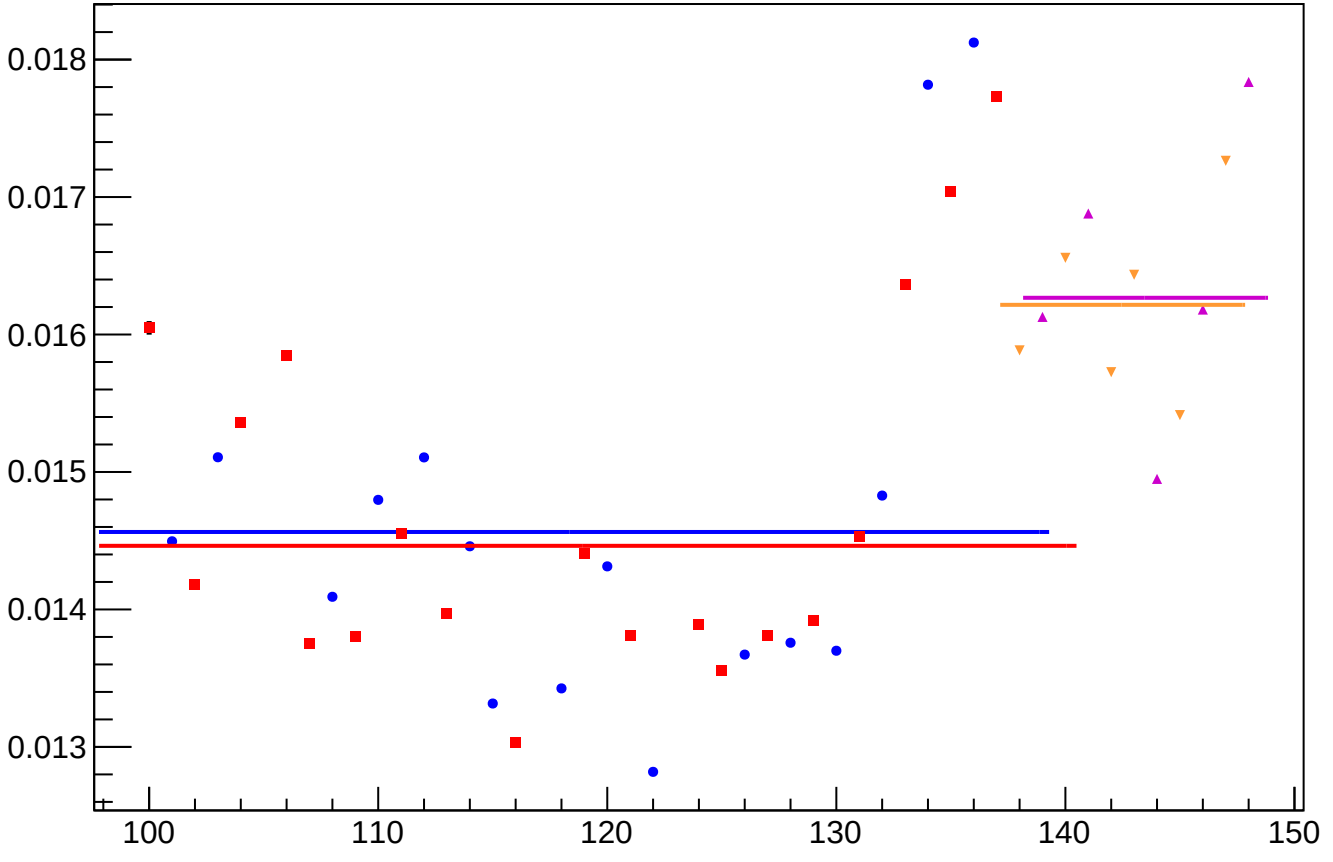
Left In: 0.155+/-0.000 χ^2/NDF:934593688.9/4

+ sign 0.334+/-0.000 χ^2/NDF: 8654680637.0/21

All: 0.336+/-0.000 χ^2/NDF: 17290001560.0/4

- sign 0.338+/-0.000 χ^2/NDF: 8634873875.6/23

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

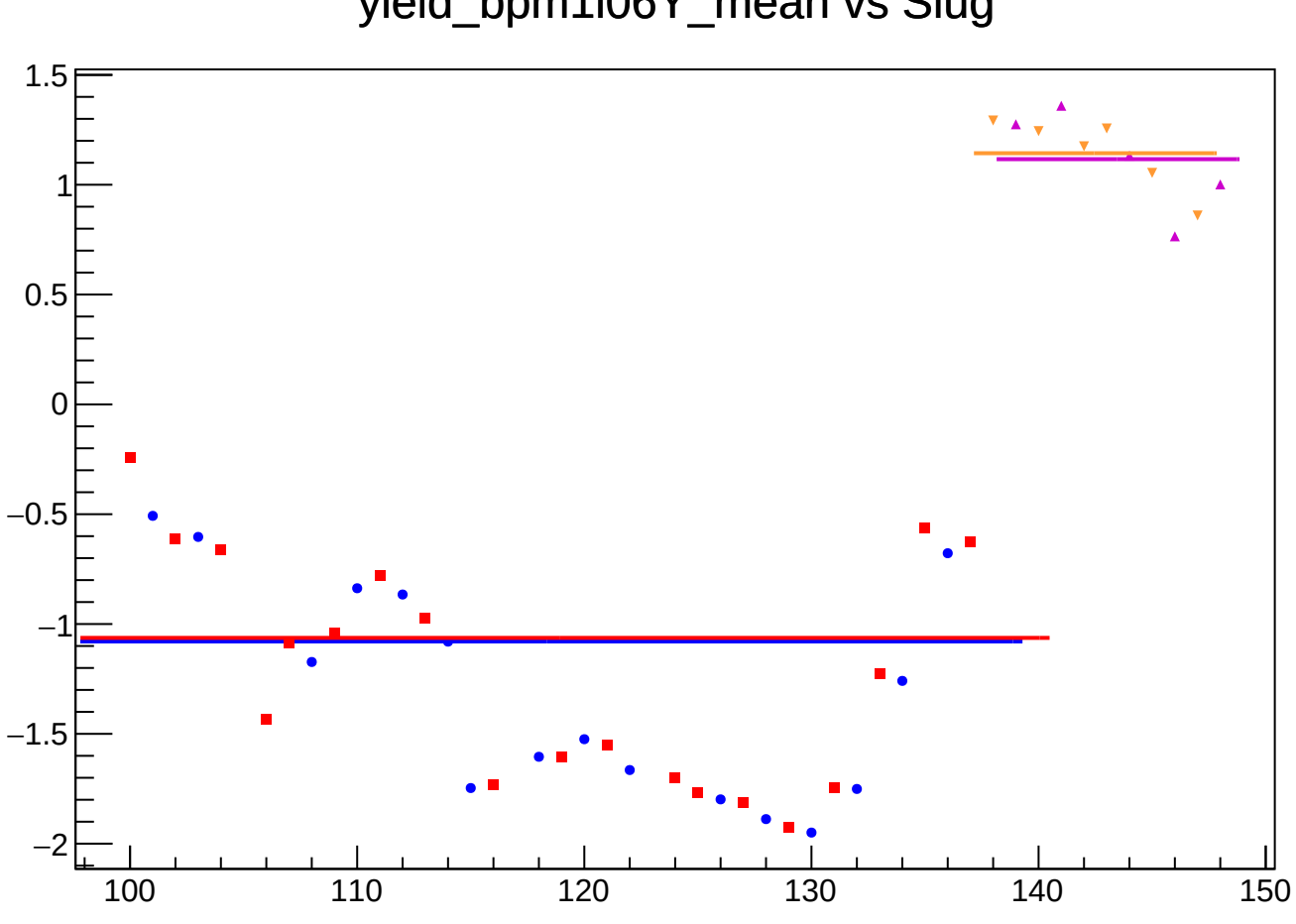
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:29112.8/4

+ sign 0.015+/-0.000 χ^2/NDF: 207193.8/21

All: 0.015+/-0.000 χ^2/NDF: 386070.6/45

- sign 0.015+/-0.000 χ^2/NDF: 178538.4/23



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

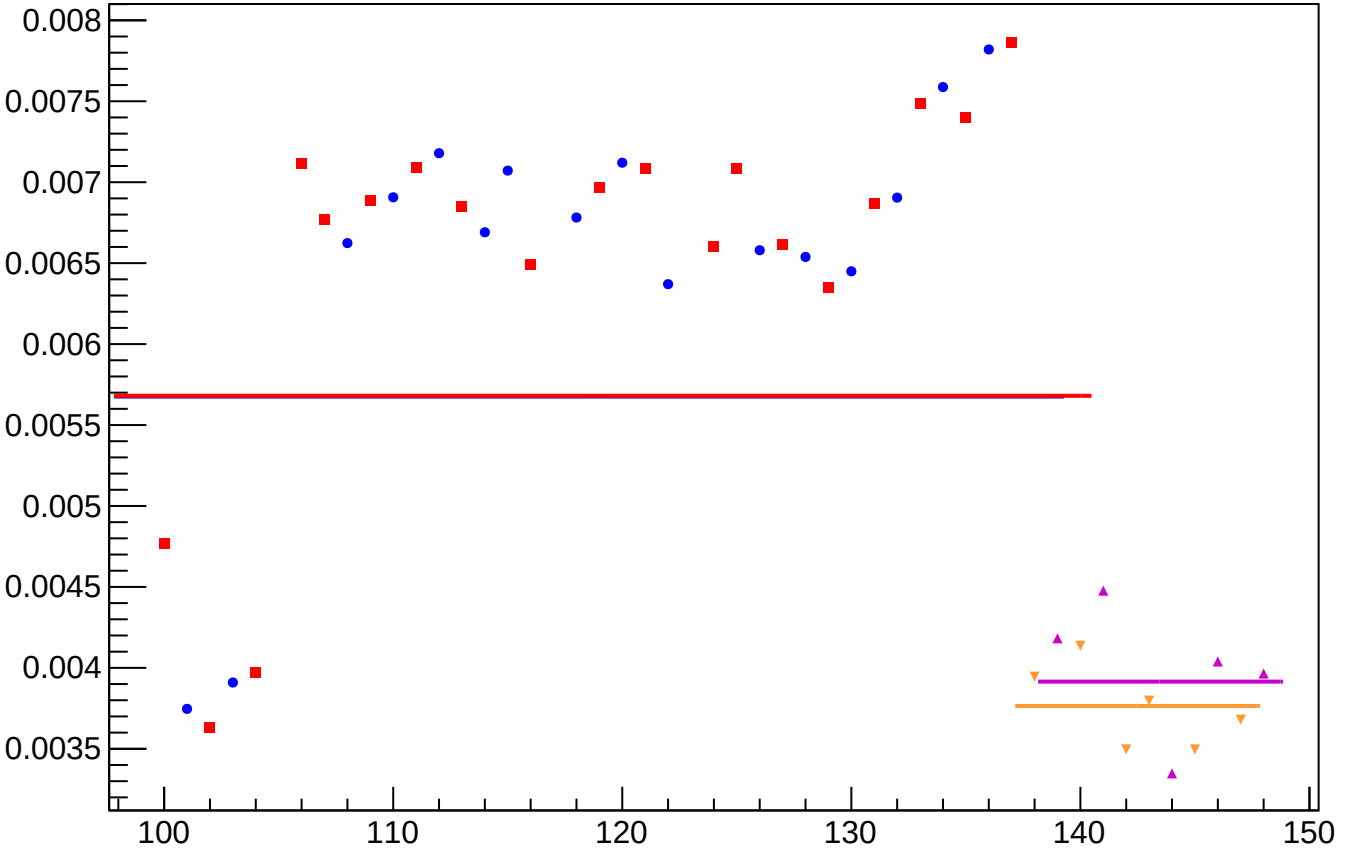
Left In: 1.116+/-0.000 χ^2/NDF:8977257567.4/4

+ sign 0.233+/-0.000 χ^2/NDF: 643018329861.9/21

All: 0.187+/-0.000 χ^2/NDF: 1226448576473.

- sign 0.136+/-0.000 χ^2/NDF: 581256335840.6/23

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

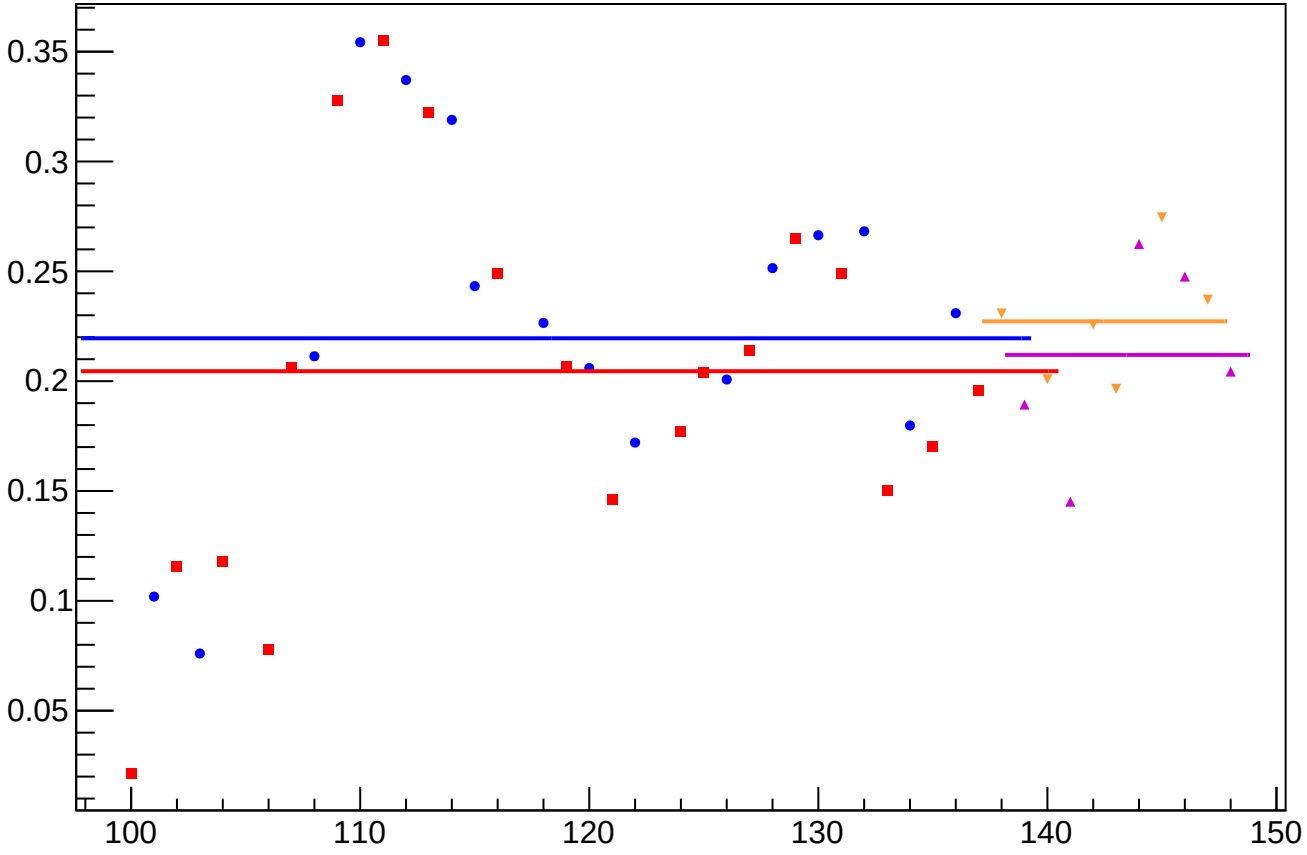
Left In: 0.004+/-0.000 χ^2/NDF:82464.0/4

+ sign 0.005+/-0.000 χ^2/NDF: 1827501.4/21

All: 0.005+/-0.000 χ^2/NDF: 3588310.3/45

- sign 0.005+/-0.000 χ^2/NDF: 1748697.7/23

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

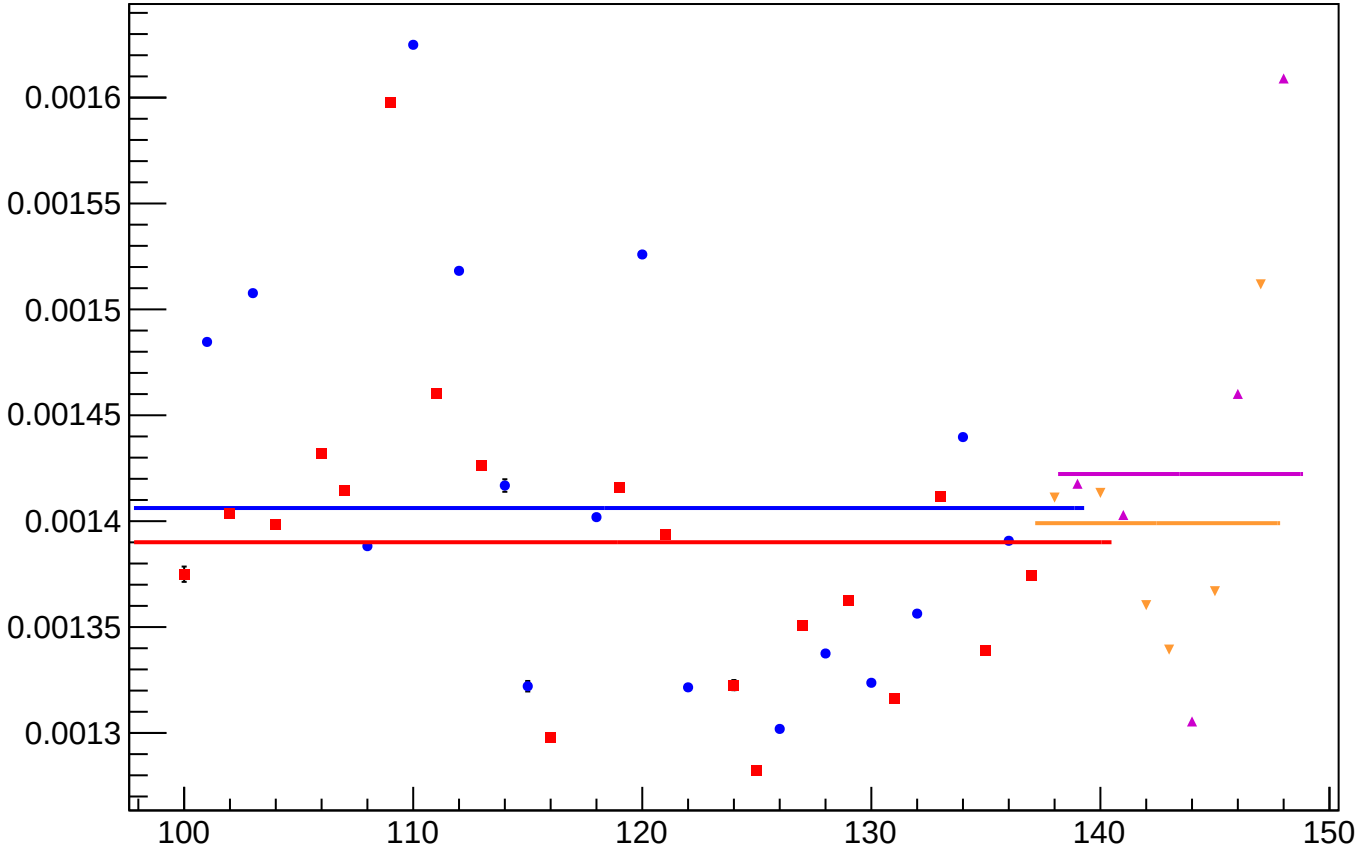
Left In: 0.212+/-0.000 χ^2/NDF:4099832704.8/4

+ sign 0.223+/-0.000 χ^2/NDF: 18535327161.7/21

All: 0.215+/-0.000 χ^2/NDF: 45712051536.6/4

- sign 0.207+/-0.000 χ^2/NDF: 26486868022.2/23

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

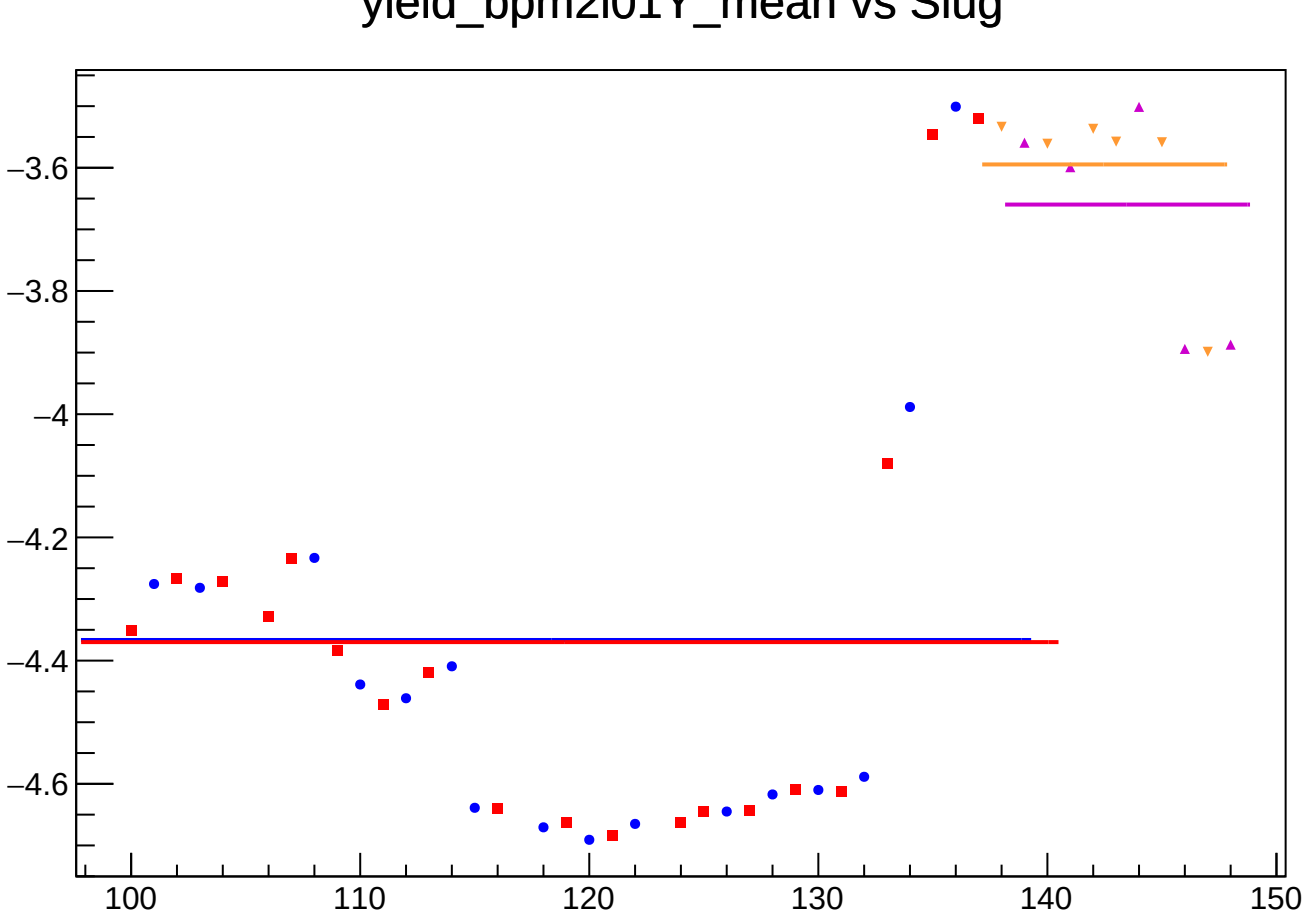
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:36970.5/4

+ sign 0.001+/-0.000 χ^2/NDF: 62317.4/21

All: 0.001+/-0.000 χ^2/NDF: 136909.3/45

- sign 0.001+/-0.000 χ^2/NDF: 74572.6/23



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

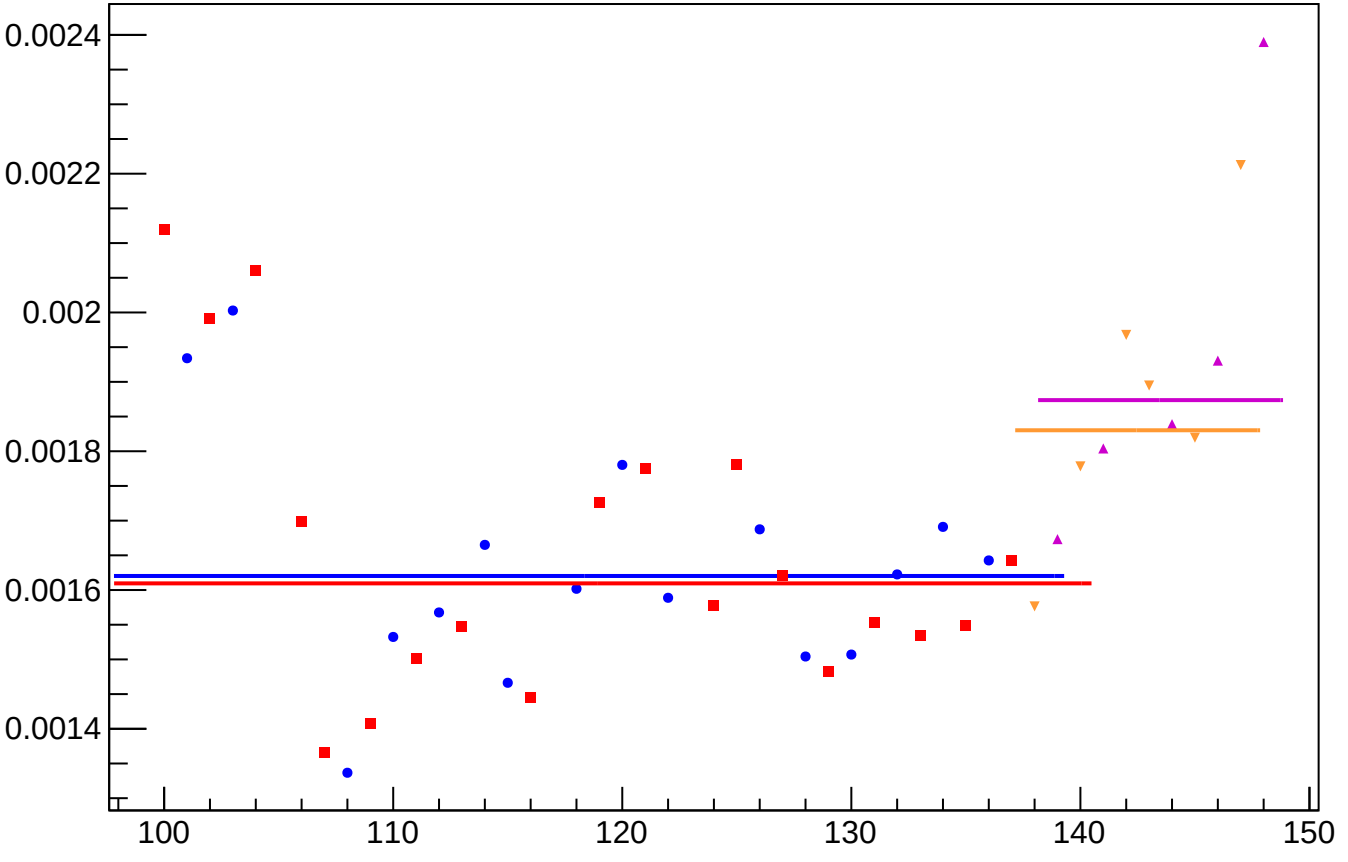
Left In: -3.660+/-0.000 χ^2/NDF:29582095891.3/4

+ sign -4.117+/-0.000 χ^2/NDF: 873997681602.8/21

All: -4.138+/-0.000 χ^2/NDF: 1614807125960

- sign -4.159+/-0.000 χ^2/NDF: 737416323900.4/23

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

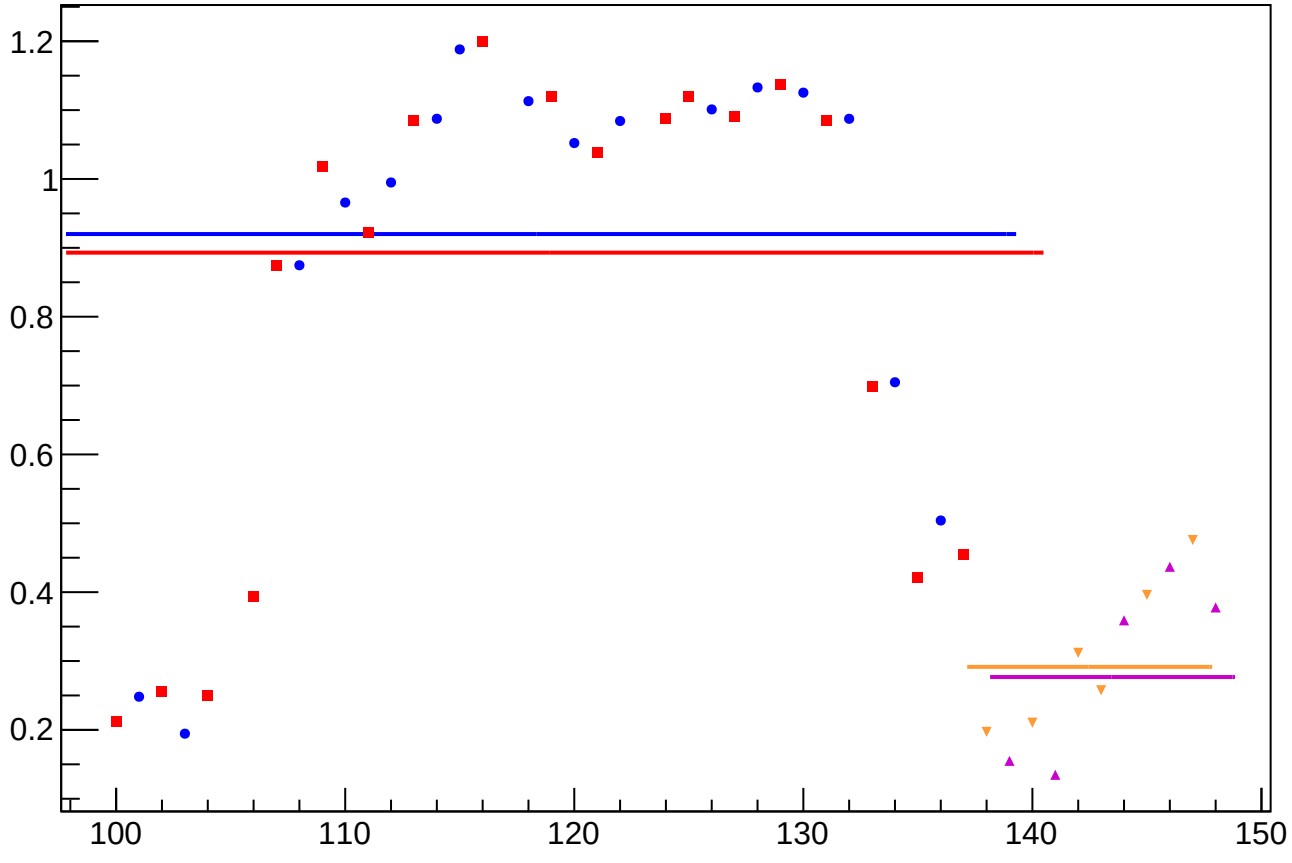
Left In: 0.002+/-0.000 χ^2/NDF:102354.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 306134.4/21

All: 0.002+/-0.000 χ^2/NDF: 707315.3/45

- sign 0.002+/-0.000 χ^2/NDF: 401180.8/23

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

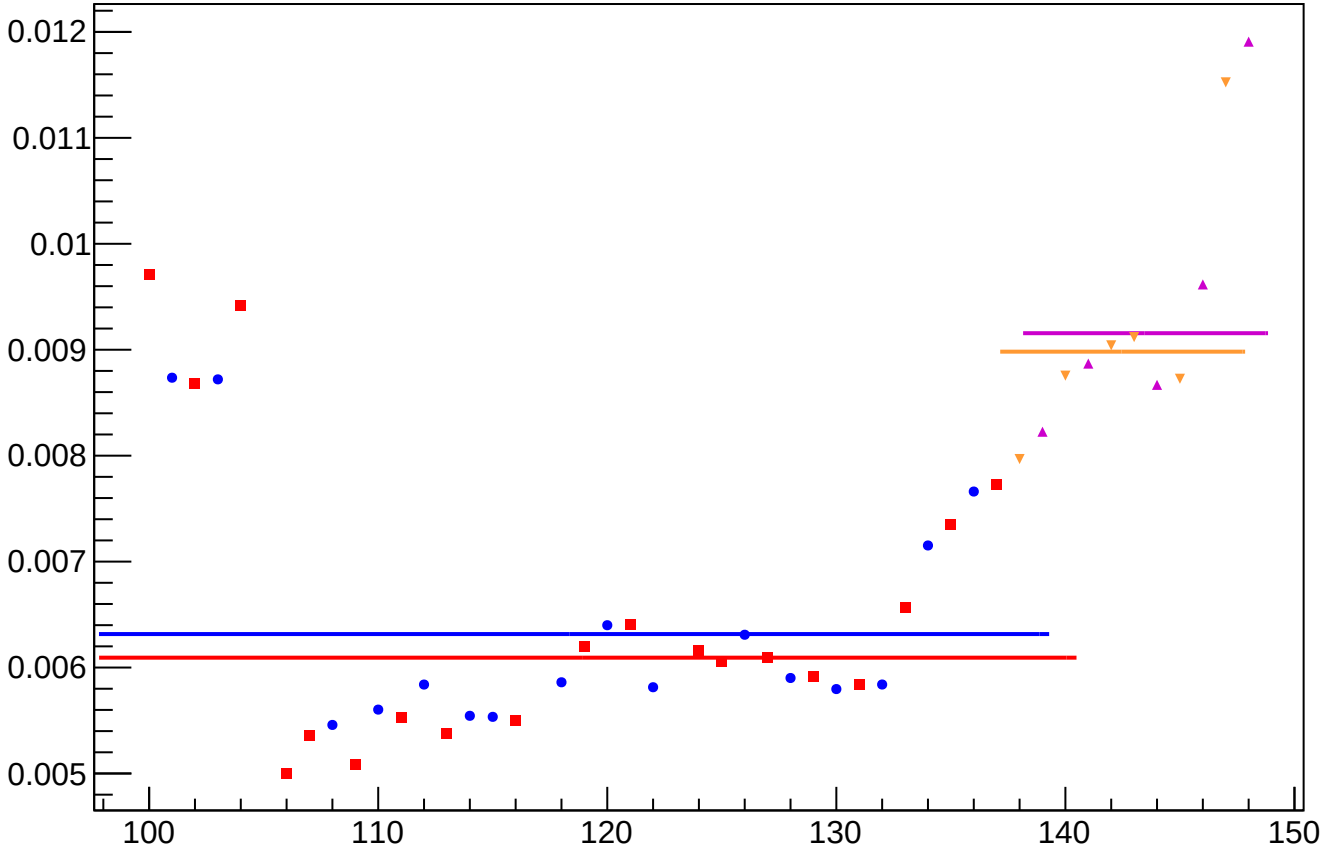
Left In: 0.277+/-0.000 χ^2/NDF:796618390.5/4

+ sign 0.771+/-0.000 χ^2/NDF: 31570998934.1/21

All: 0.768+/-0.000 χ^2/NDF: 65367516162.6/4

- sign 0.765+/-0.000 χ^2/NDF: 33793198135.9/23

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

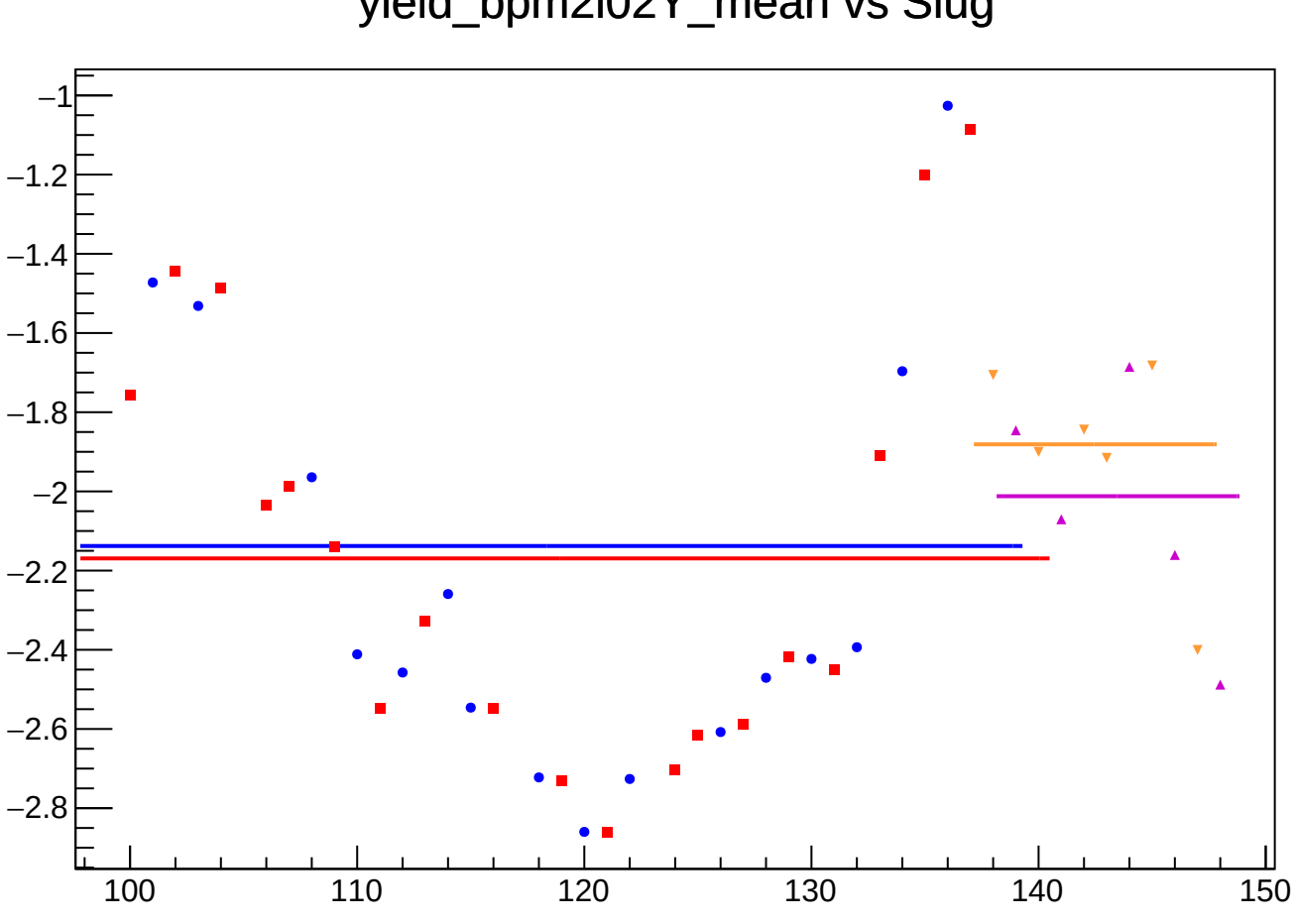
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:121992.3/4

+ sign 0.007+/-0.000 χ^2/NDF: 1036468.3/21

All: 0.007+/-0.000 χ^2/NDF: 2364803.1/45

- sign 0.007+/-0.000 χ^2/NDF: 1316591.4/23



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

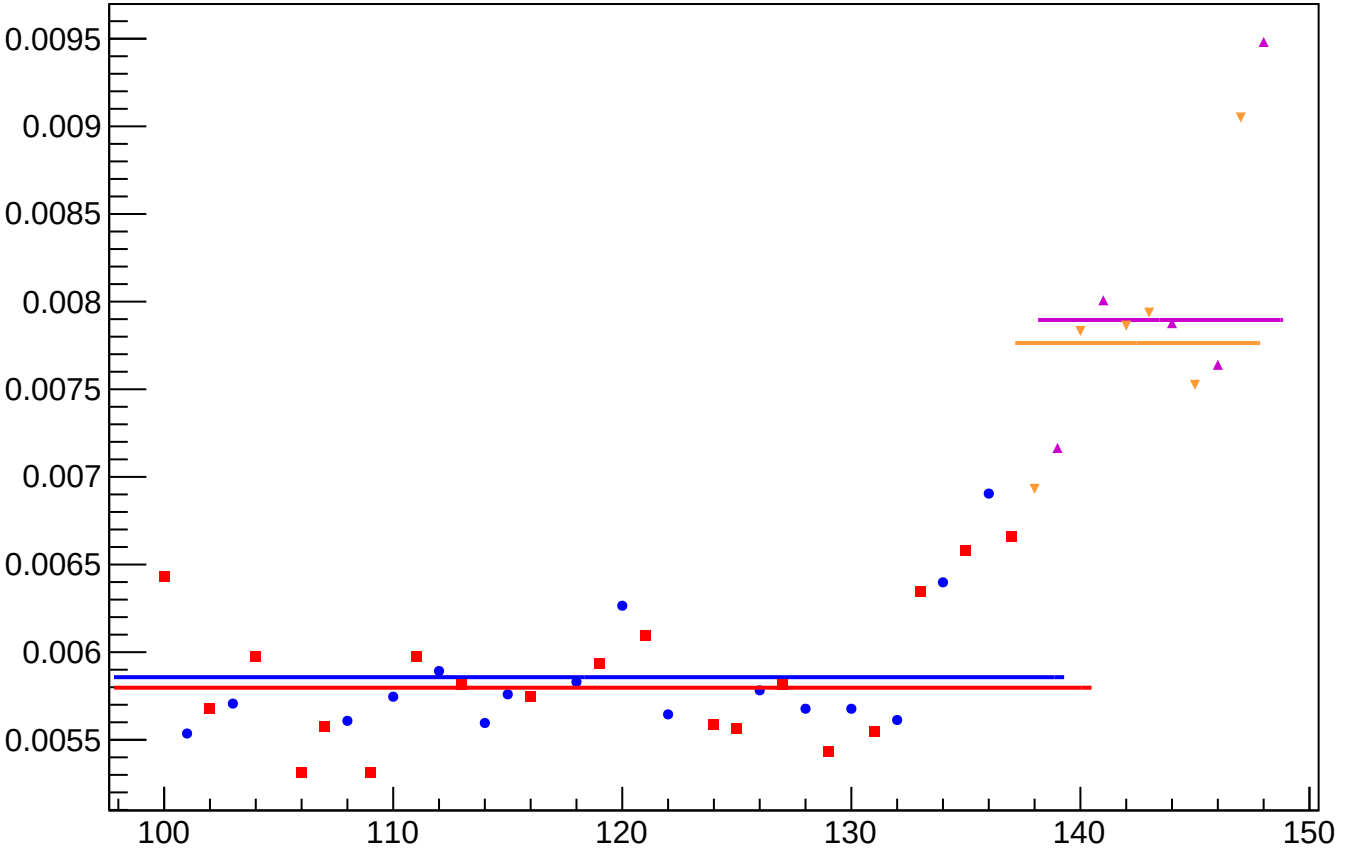
Left In: -2.012+/-0.000 χ^2/NDF:4476756057.8/4

+ sign -2.071+/-0.000 χ^2/NDF: 73091868072.6/21

All: -2.102+/-0.000 χ^2/NDF: 136818695369.2

- sign -2.132+/-0.000 χ^2/NDF: 63189178879.8/23

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

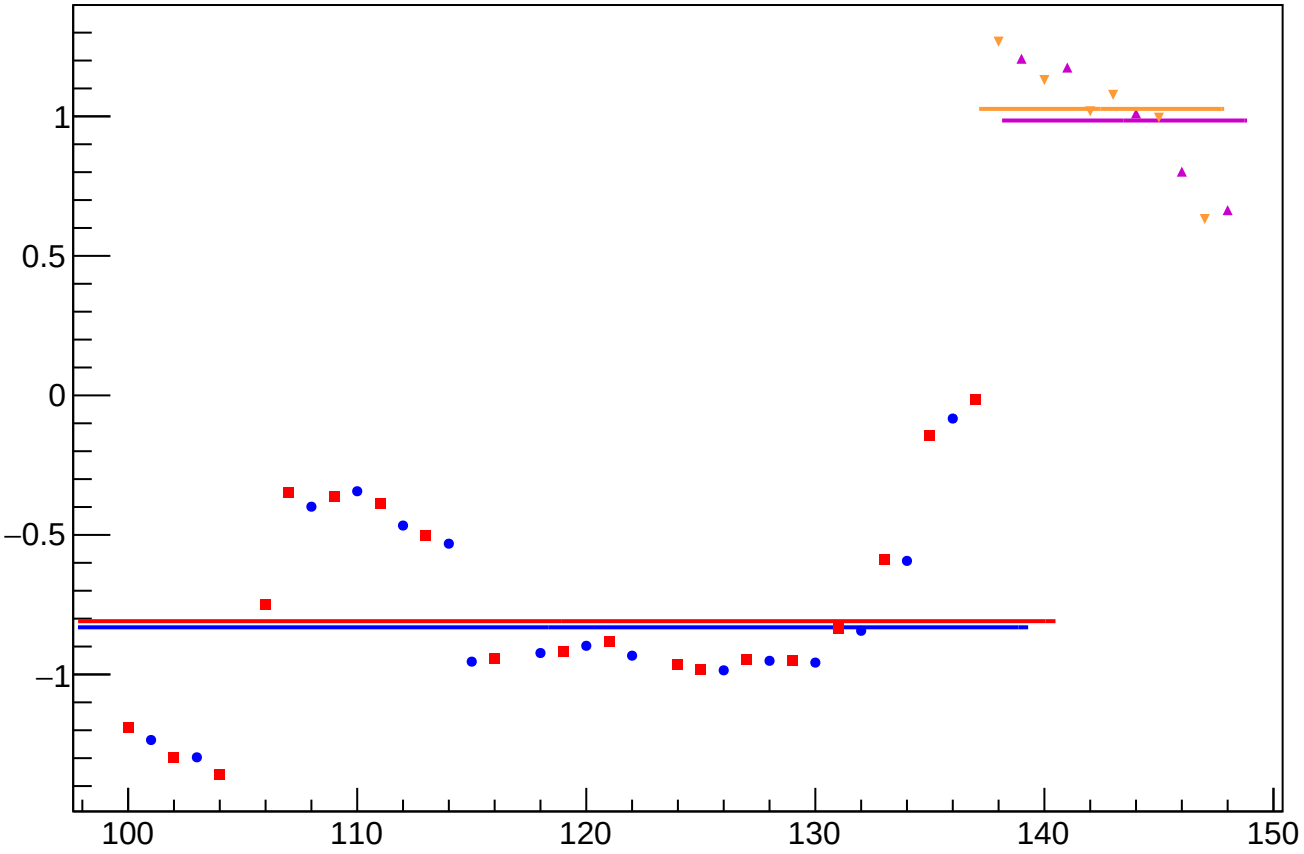
Left In: 0.008+/-0.000 χ^2/NDF:66389.7/4

+ sign 0.006+/-0.000 χ^2/NDF: 518866.2/21

All: 0.006+/-0.000 χ^2/NDF: 1107261.1/45

- sign 0.006+/-0.000 χ^2/NDF: 587381.8/23

yield_bpm0i01X_mean vs Slug



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

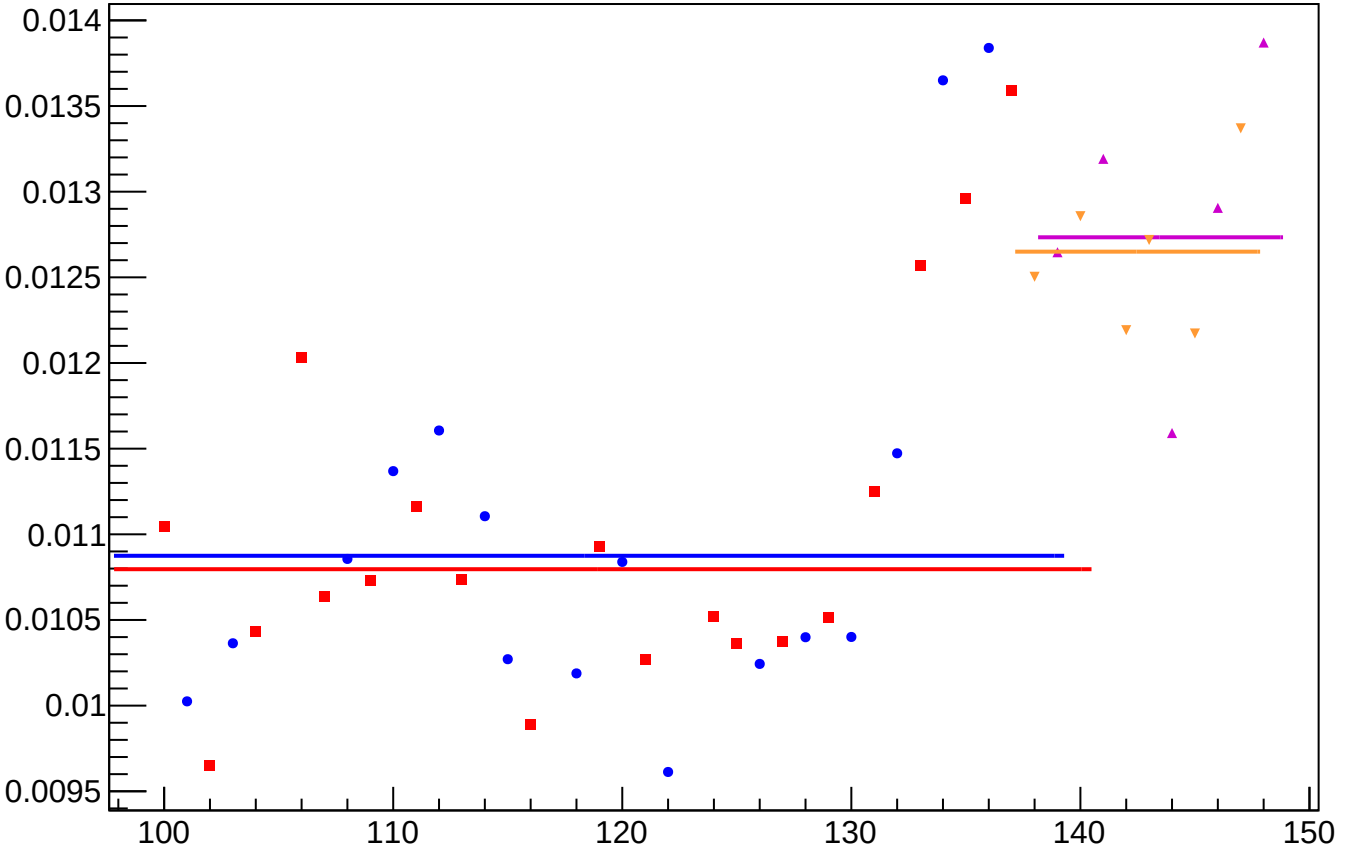
Left In: 0.985+/-0.000 χ^2/NDF:1051008805.6/4

+ sign -0.242+/-0.000 χ^2/NDF: 73250801866.8/21

All: -0.259+/-0.000 χ^2/NDF: 141826594865.3

- sign -0.276+/-0.000 χ^2/NDF: 68526456188.9/23

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

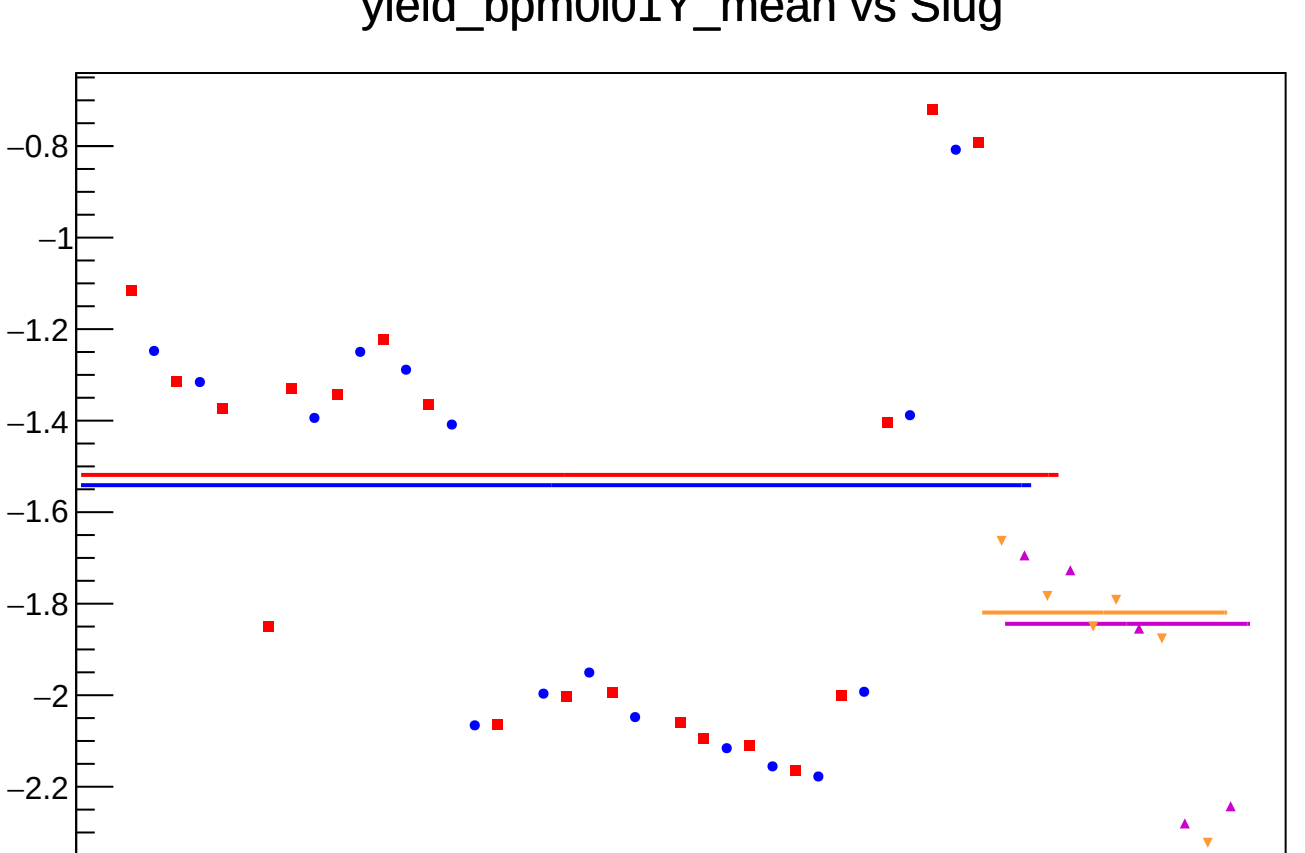
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:30651.6/4

+ sign 0.011+/-0.000 χ^2/NDF: 285420.0/21

All: 0.011+/-0.000 χ^2/NDF: 553923.7/45

- sign 0.011+/-0.000 χ^2/NDF: 268132.0/23



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

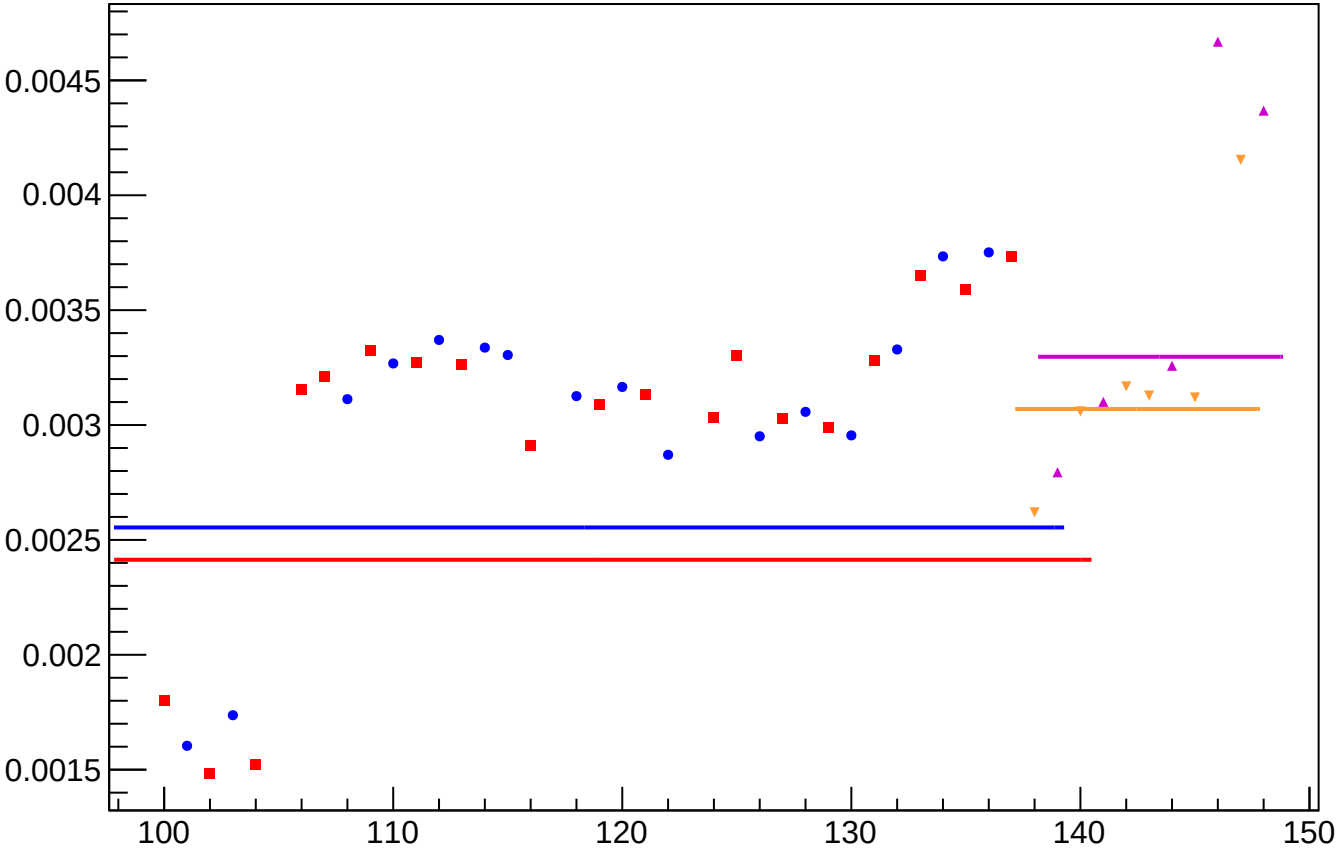
Left In: -1.844+/-0.000 χ^2/NDF:13845108038.8/4

+ sign -1.626+/-0.000 χ^2/NDF: 196399971462.3/21

All: -1.612+/-0.000 χ^2/NDF: 382076269133.1

- sign -1.598+/-0.000 χ^2/NDF: 185120690993.8/23

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

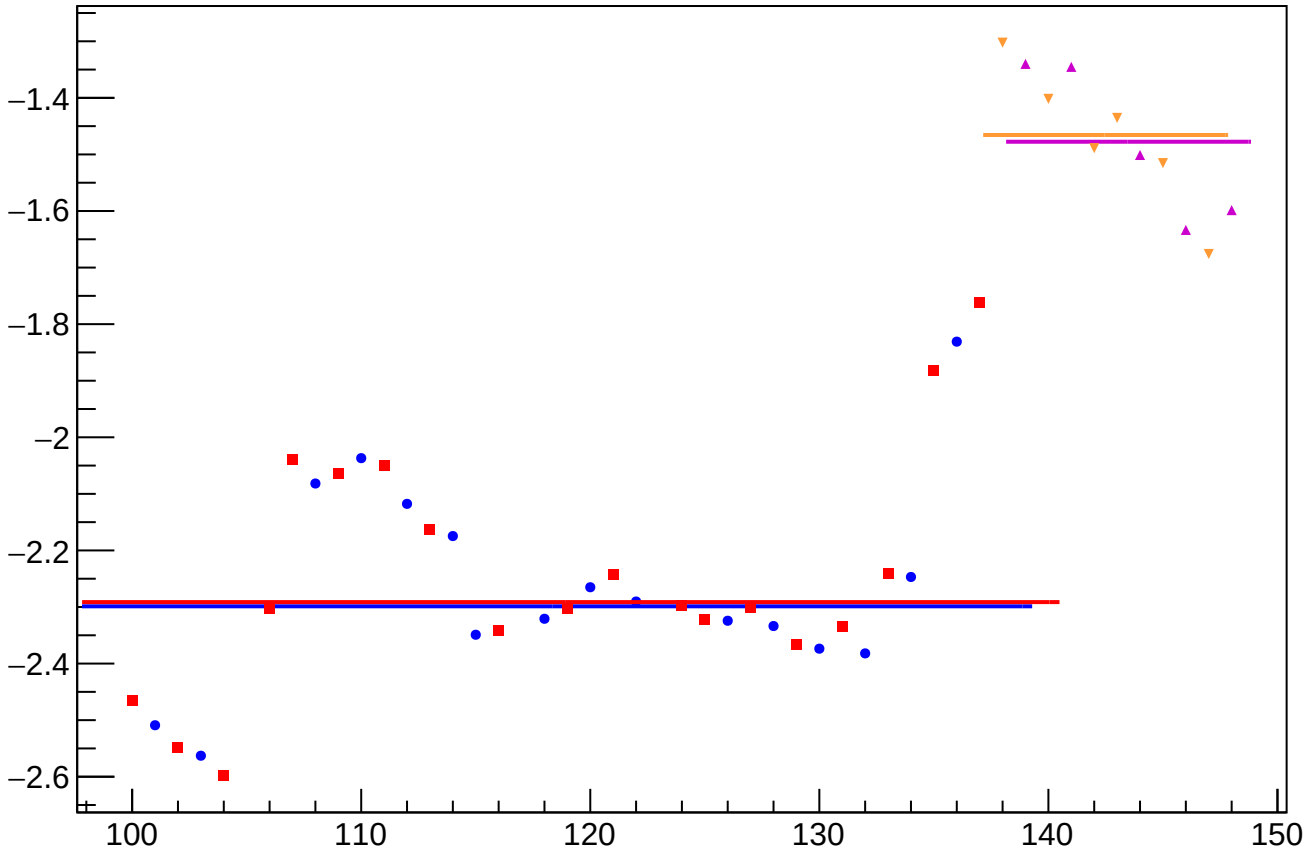
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:234572.8/4

+ sign 0.003+/-0.000 χ^2/NDF: 1451714.9/21

All: 0.003+/-0.000 χ^2/NDF: 3628618.8/45

- sign 0.003+/-0.000 χ^2/NDF: 2167438.5/23



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

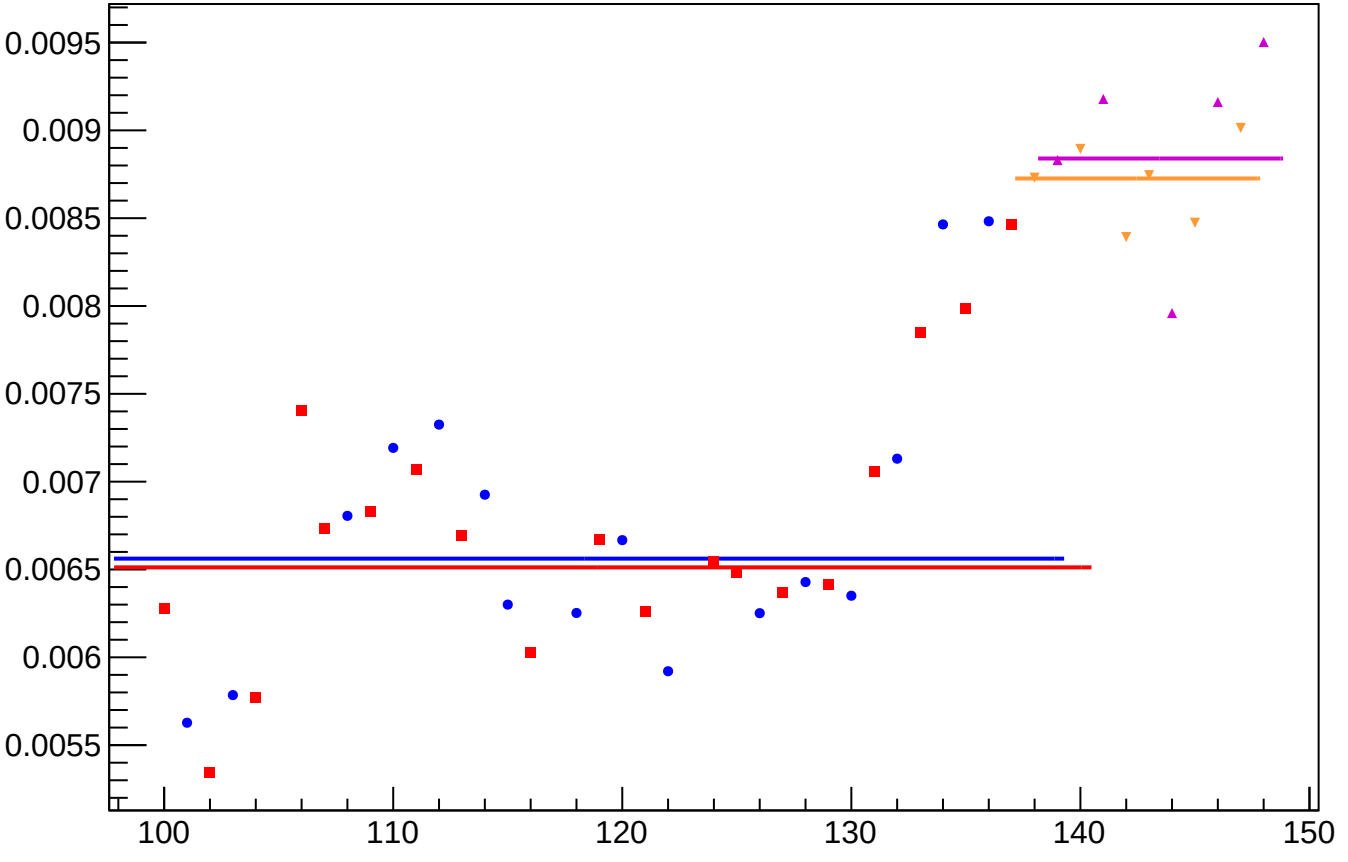
Left In: -1.478+/-0.000 χ^2/NDF:750853159.4/4

+ sign -2.081+/-0.000 χ^2/NDF: 36116765859.4/21

All: -2.088+/-0.000 χ^2/NDF: 70435523409.1/

- sign -2.095+/-0.000 χ^2/NDF: 34295024730.9/23

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

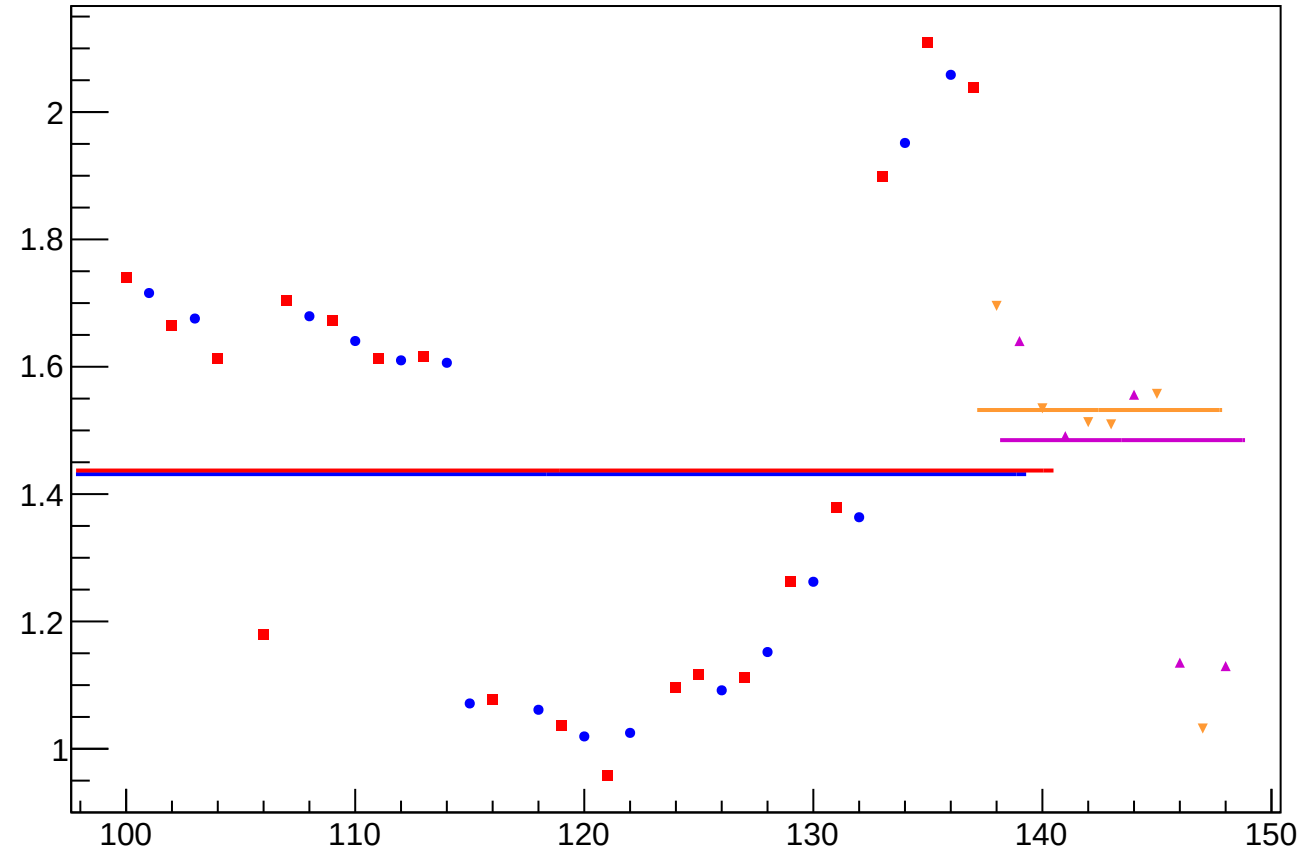
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:33401.8/4

+ sign 0.007+/-0.000 χ^2/NDF: 621153.6/21

All: 0.007+/-0.000 χ^2/NDF: 1277340.5/45

- sign 0.007+/-0.000 χ^2/NDF: 655504.5/23



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

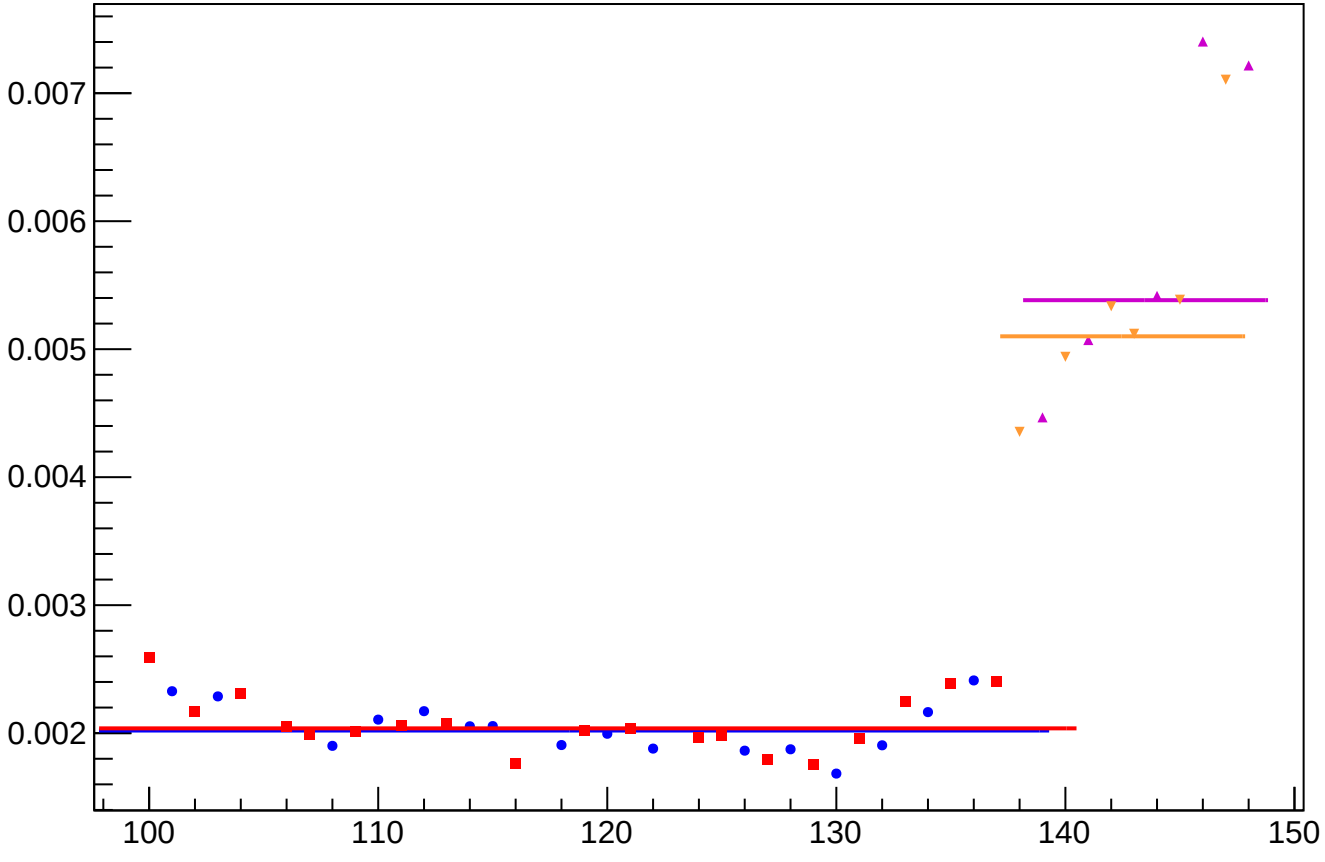
Left In: 1.485+/-0.000 χ^2/NDF:4235550303.9/4

+ sign 1.440+/-0.000 χ^2/NDF: 194859815377.6/21

All: 1.440+/-0.000 χ^2/NDF: 381387208833.6

- sign 1.441+/-0.000 χ^2/NDF: 186527242261.0/23

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

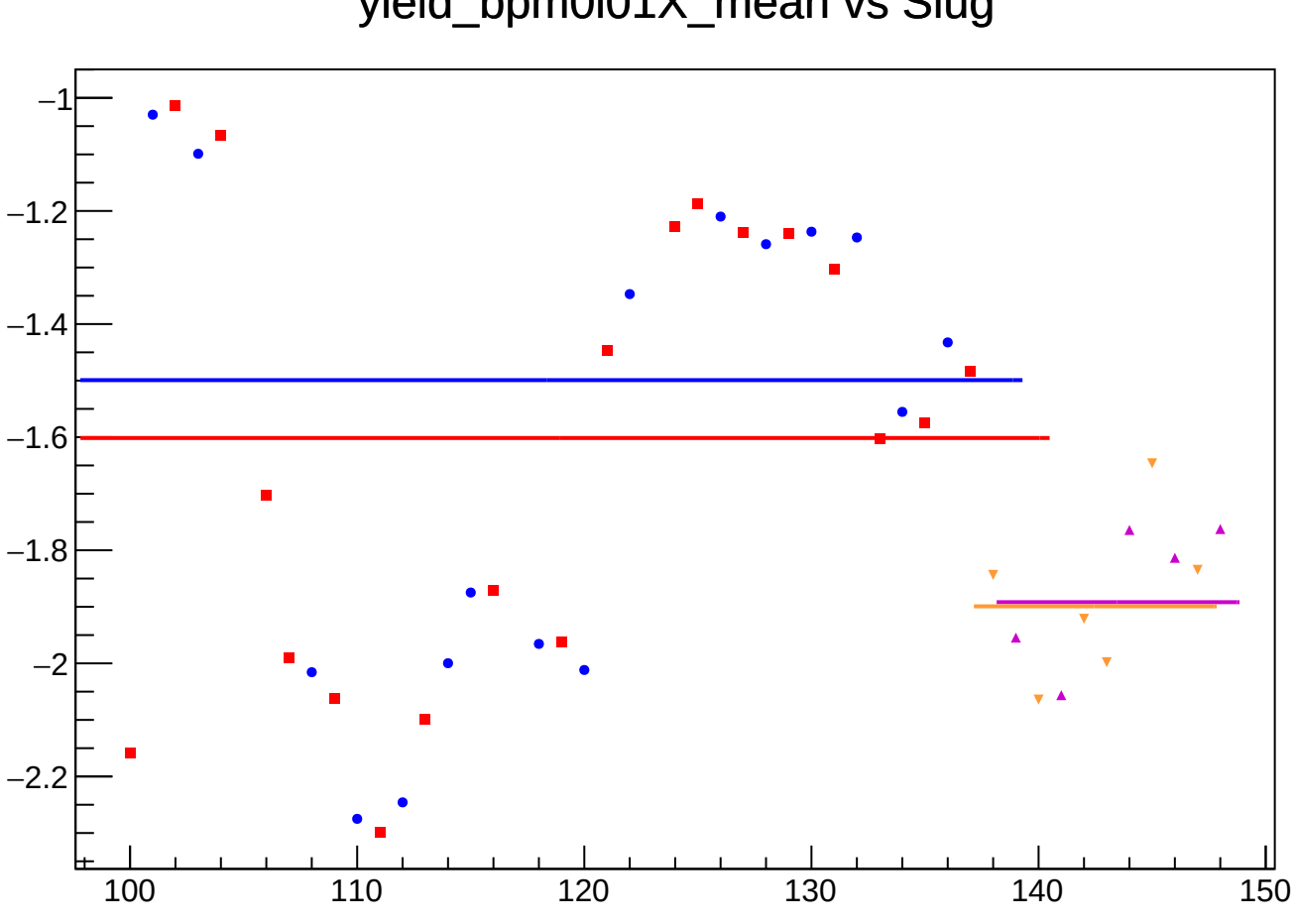
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:259683.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 2990348.9/21

All: 0.002+/-0.000 χ^2/NDF: 6040728.1/45

- sign 0.002+/-0.000 χ^2/NDF: 3050320.0/23



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

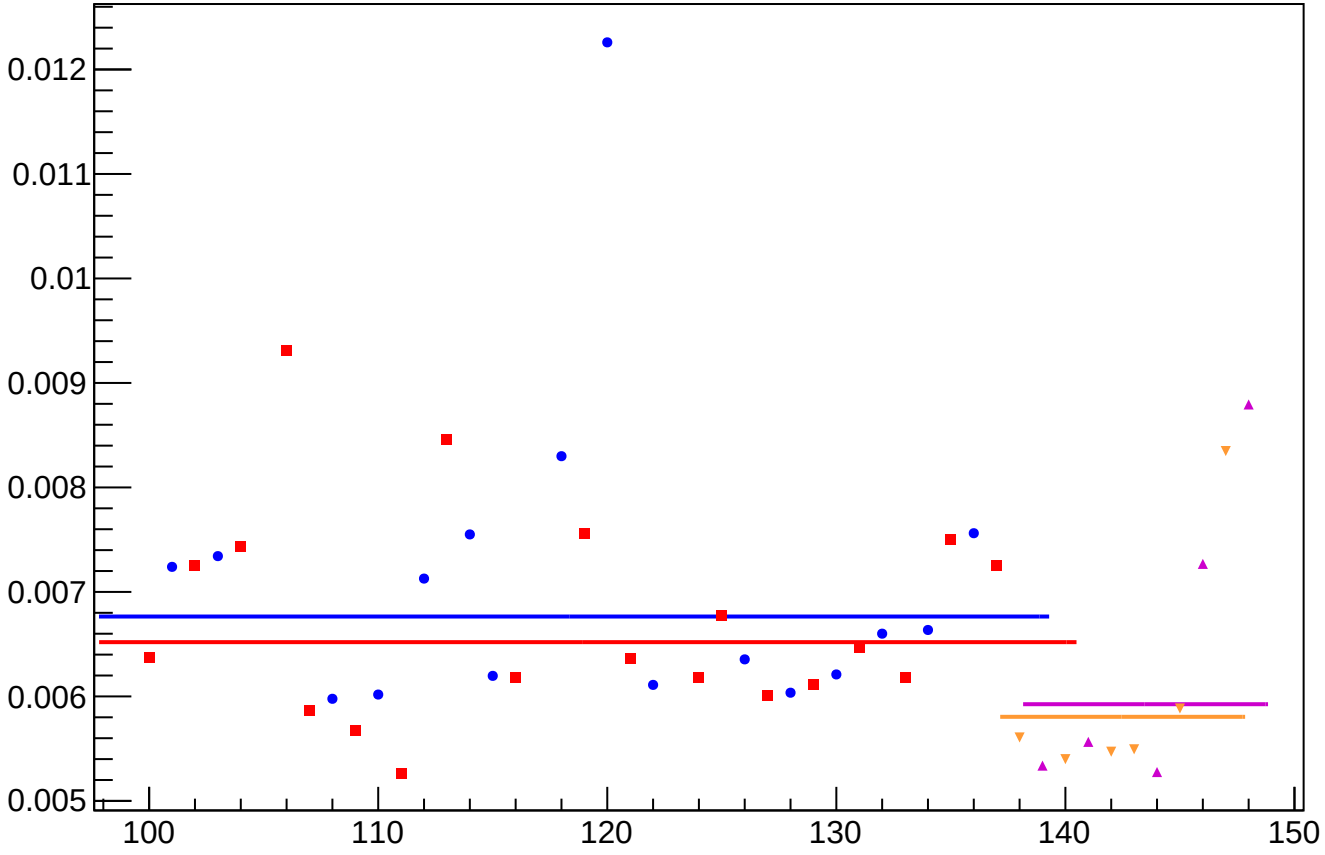
Left In: -1.892+/-0.000 χ^2/NDF:1622404603.8/4

+ sign -1.687+/-0.000 χ^2/NDF: 36112511026.9/21

All: -1.704+/-0.000 χ^2/NDF: 71797277817.1/

- sign -1.720+/-0.000 χ^2/NDF: 35534772452.0/23

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

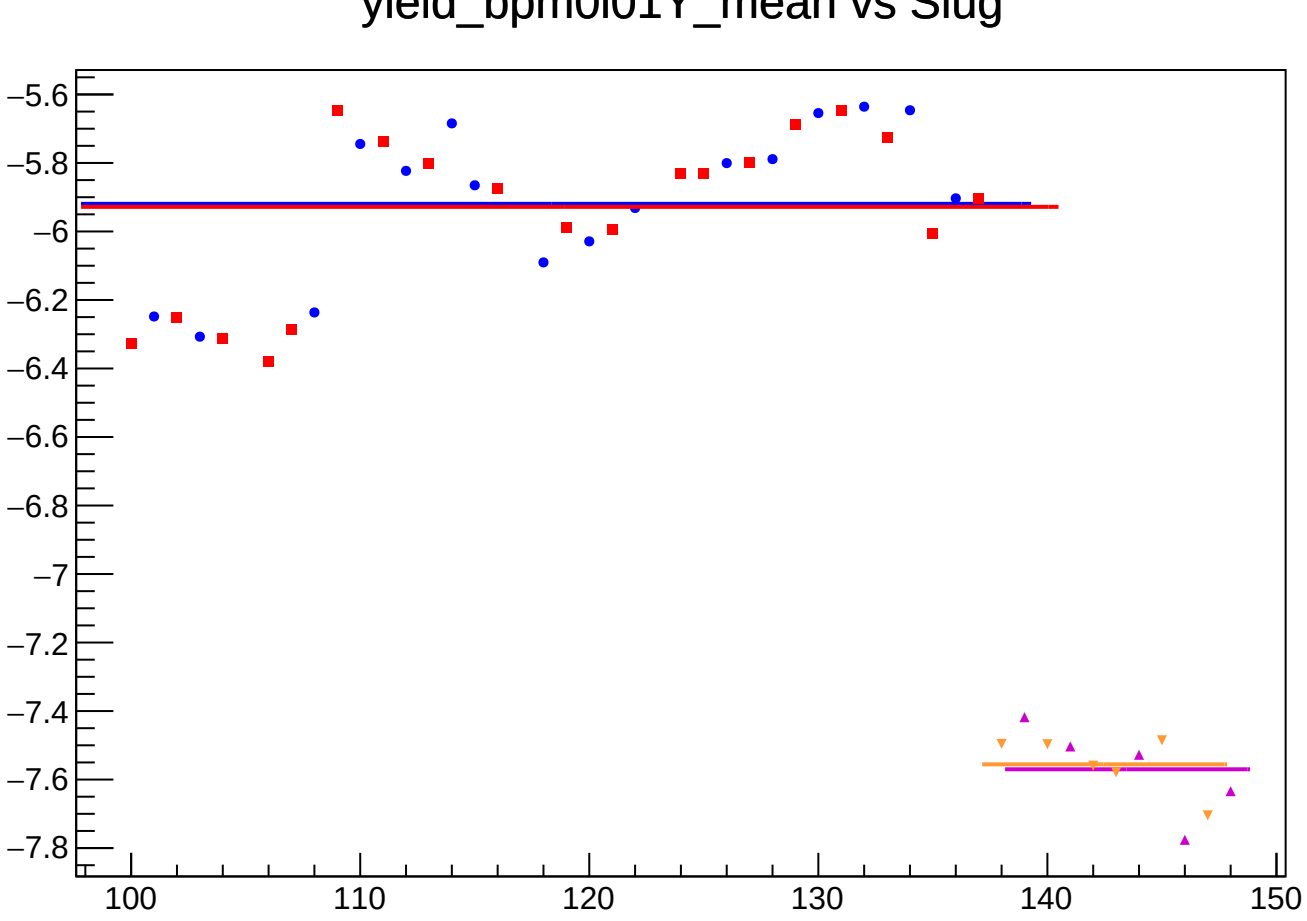
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:263891.4/4

+ sign 0.006+/-0.000 χ^2/NDF: 519681.5/21

All: 0.006+/-0.000 χ^2/NDF: 1076140.8/45

- sign 0.006+/-0.000 χ^2/NDF: 556076.3/23



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

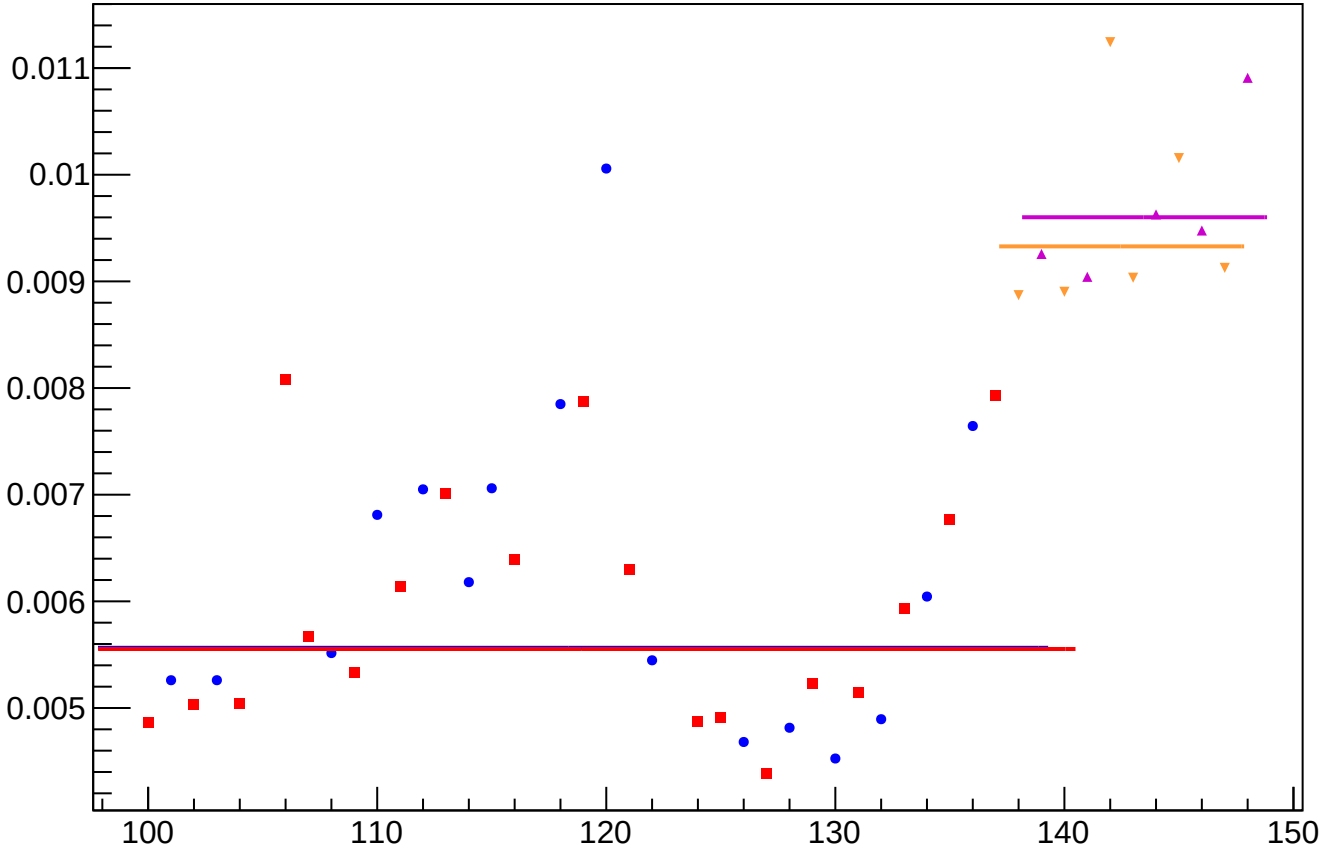
Left In: -7.570+/-0.000 χ^2/NDF:525674894.9/4

+ sign -6.170+/-0.000 χ^2/NDF: 93200461112.5/21

All: -6.163+/-0.000 χ^2/NDF: 185043623849.

- sign -6.156+/-0.000 χ^2/NDF: 91818336440.1/23

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

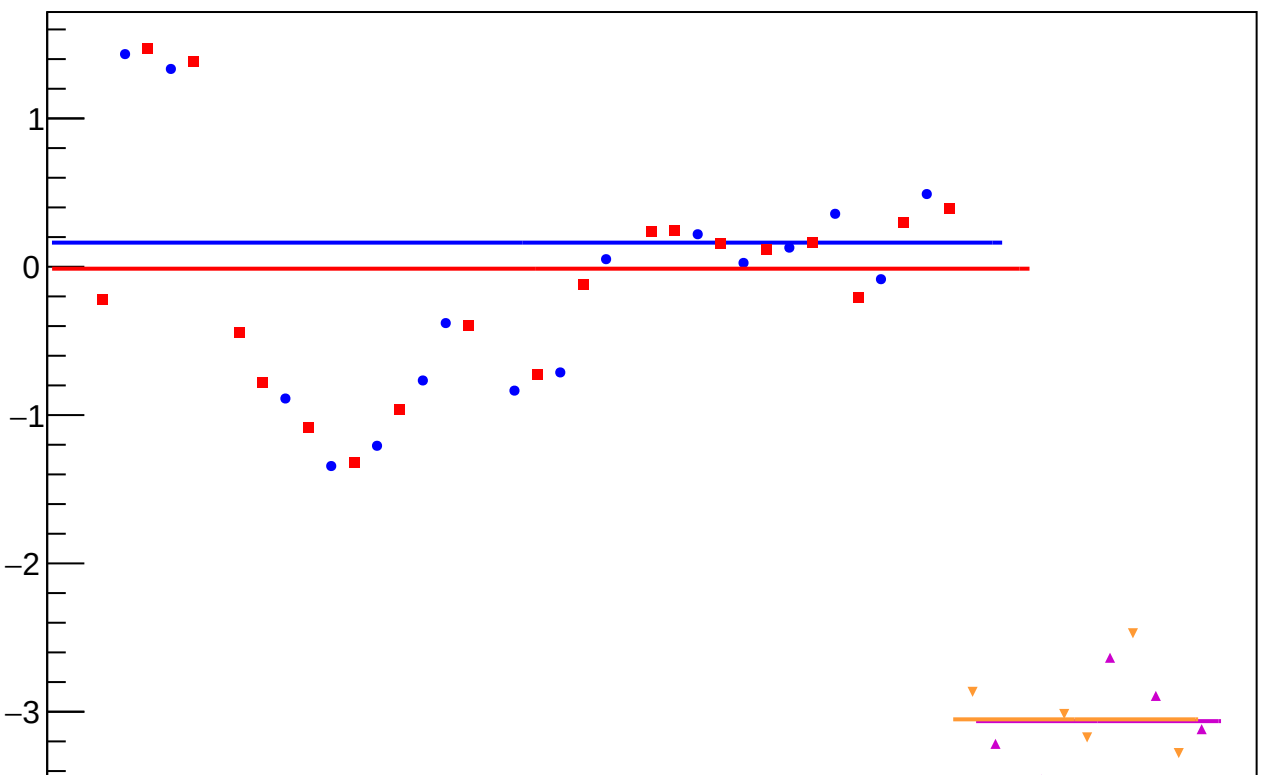
Left In: 0.010+/-0.000 χ^2/NDF:25090.5/4

+ sign 0.006+/-0.000 χ^2/NDF: 1388373.9/21

All: 0.006+/-0.000 χ^2/NDF: 2734350.8/45

- sign 0.006+/-0.000 χ^2/NDF: 1345805.3/23

yield_bpm0l02X_mean vs Slug



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

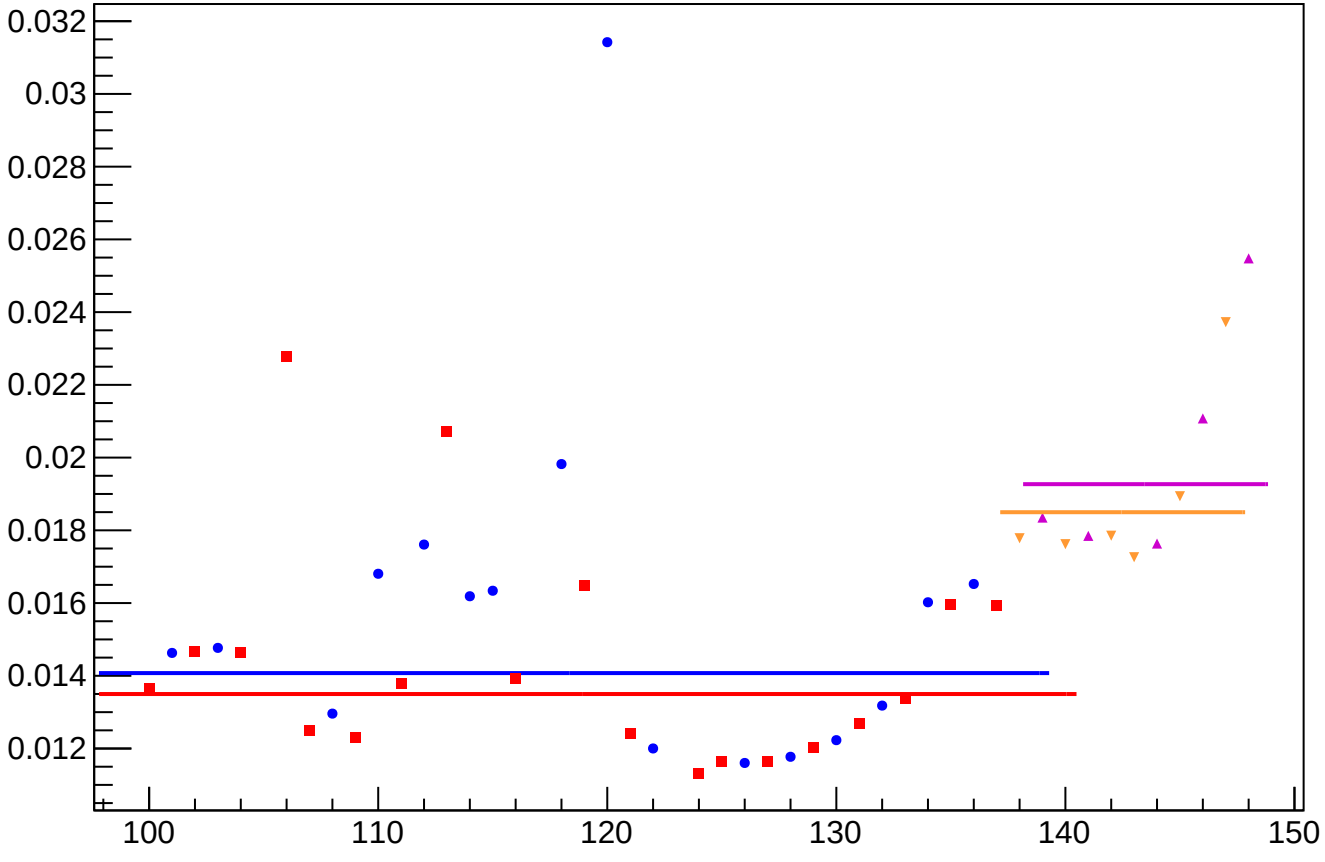
Left In: -3.063+/-0.000 χ^2/NDF:1017998573.9/4

+ sign -0.721+/-0.000 χ^2/NDF: 109720305971.9/21

All: -0.707+/-0.000 χ^2/NDF: 210484999908.0

- sign -0.694+/-0.000 χ^2/NDF: 100747696412.2/23

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

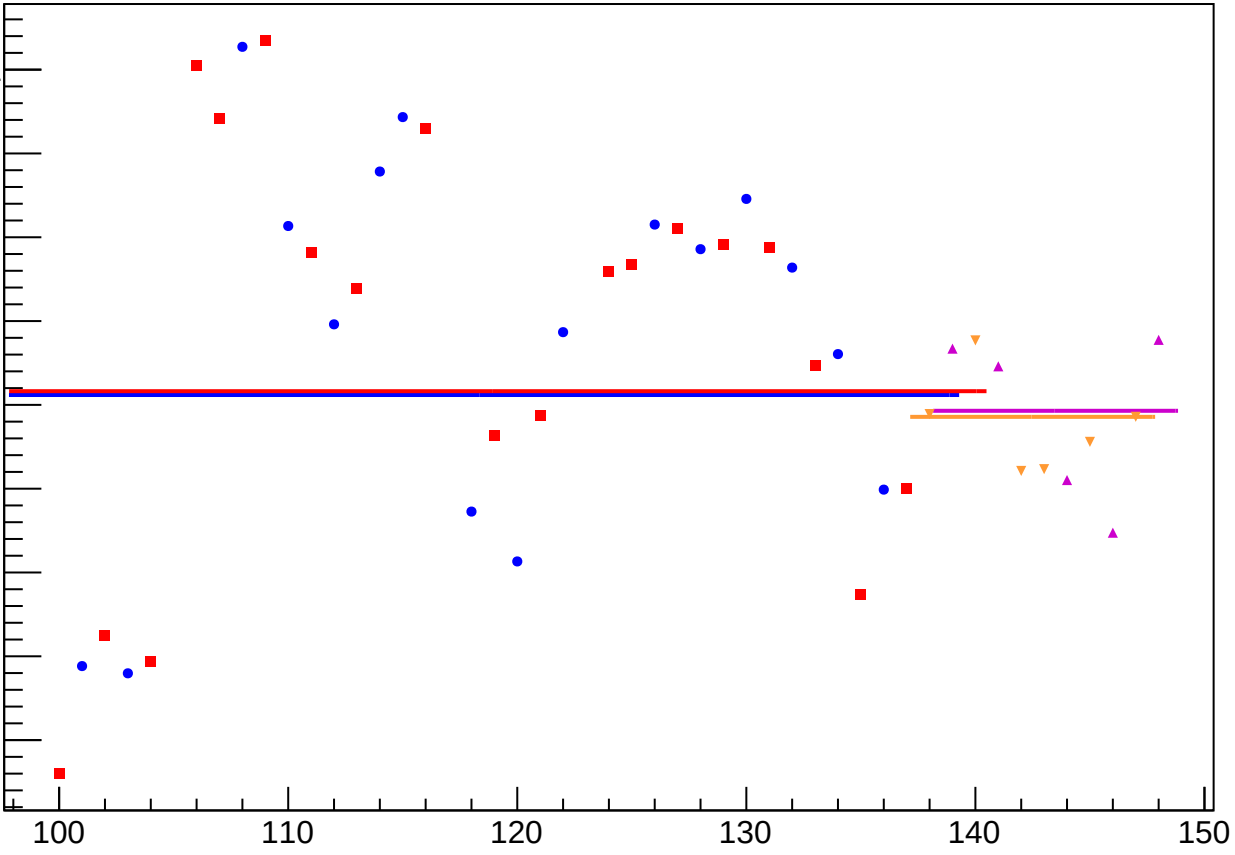
Left In: 0.019+/-0.000 χ^2/NDF:130069.9/4

+ sign 0.015+/-0.000 χ^2/NDF: 896786.7/21

All: 0.015+/-0.000 χ^2/NDF: 1906237.7/45

- sign 0.015+/-0.000 χ^2/NDF: 997812.0/23

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

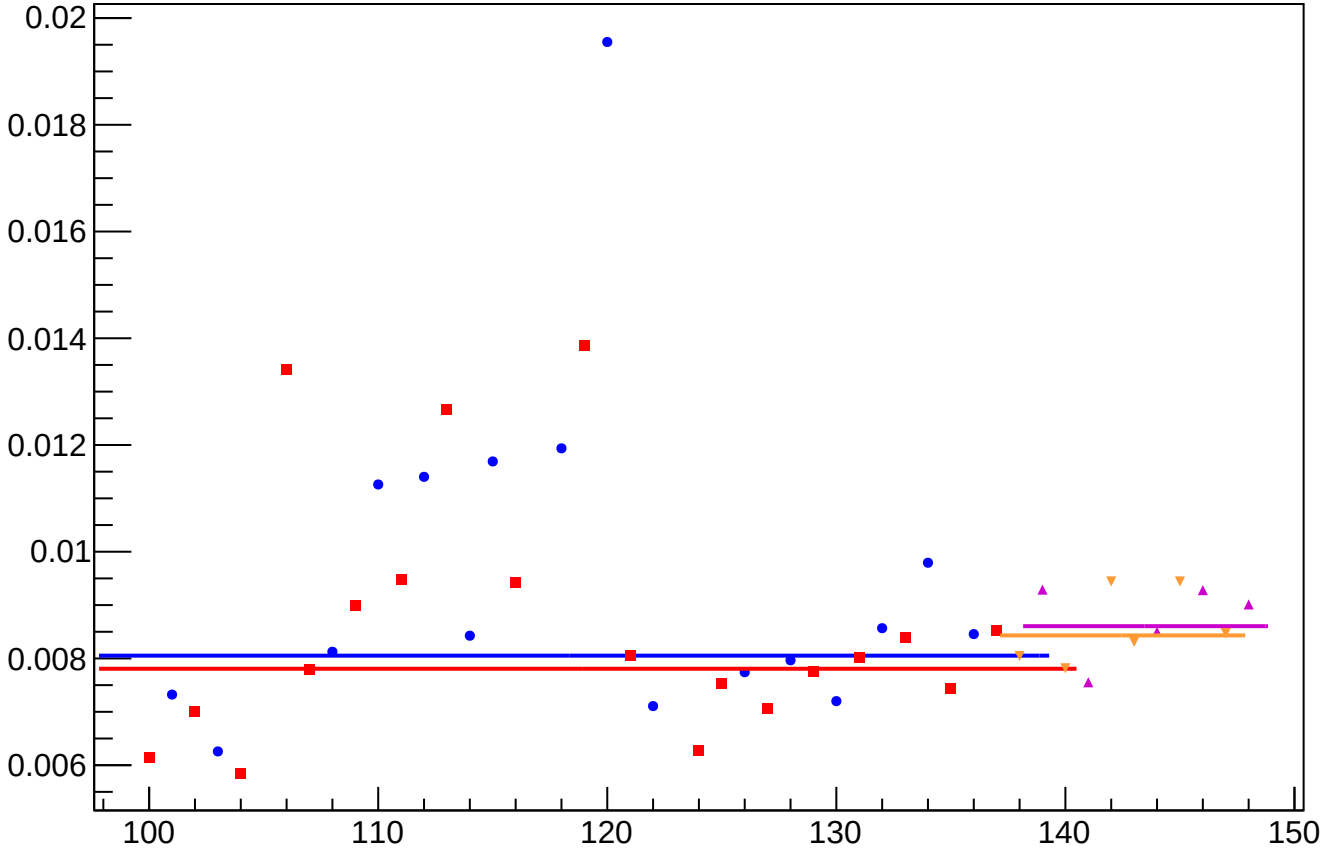
Left In: 0.593+/-0.000 χ^2/NDF:406638689.5/4

+ sign 0.602+/-0.000 χ^2/NDF: 5824435975.9/21

All: 0.606+/-0.000 χ^2/NDF: 12672381491.1/4

- sign 0.609+/-0.000 χ^2/NDF: 6844887045.1/23

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

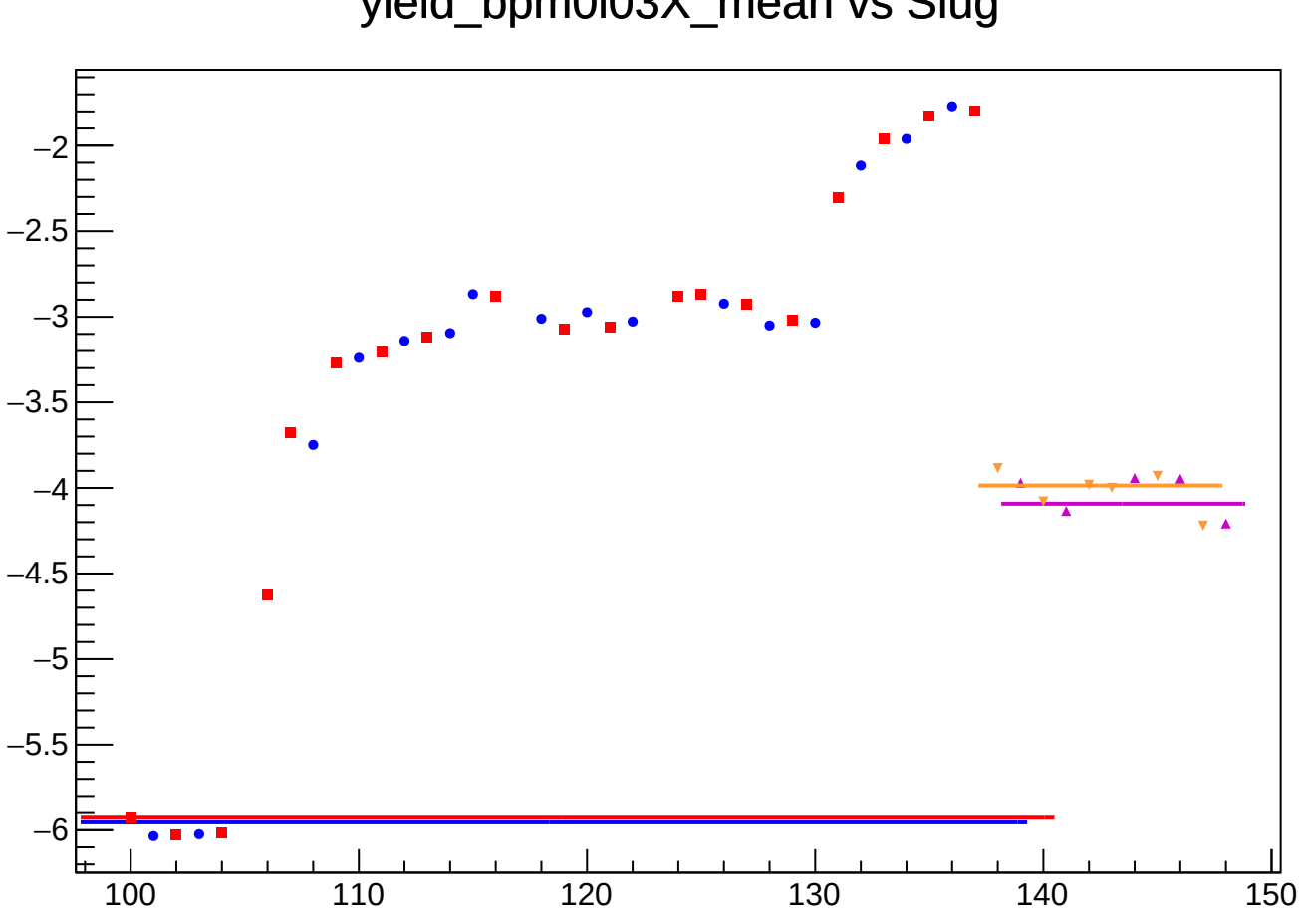
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:49216.4/4

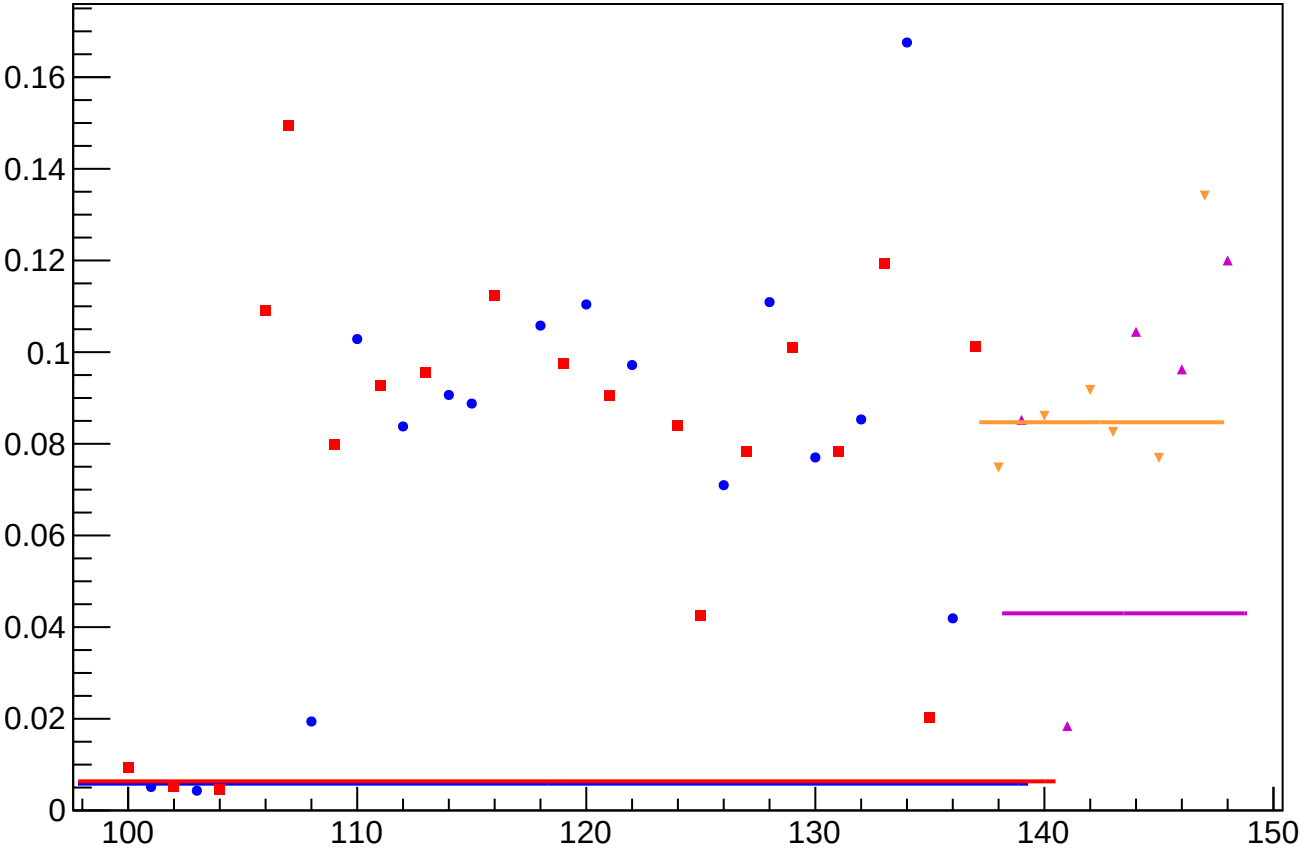
+ sign 0.008+/-0.000 χ^2/NDF: 644360.4/21

All: 0.008+/-0.000 χ^2/NDF: 1326585.4/45

- sign 0.008+/-0.000 χ^2/NDF: 679940.8/23


yield_bpm0l03X_mean vs Slug
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
110
120
130
140
150
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -3.986+/-0.000 χ²/NDF:4641769.5/5
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: -4.092+/-0.000 χ²/NDF:6713898.2/4
+ sign -5.933+/-0.000 χ²/NDF: 15202681793.0/21
All: -5.912+/-0.000 χ²/NDF: 32410107650.1/
- sign -5.885+/-0.000 χ²/NDF: 17152943489.5/23

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

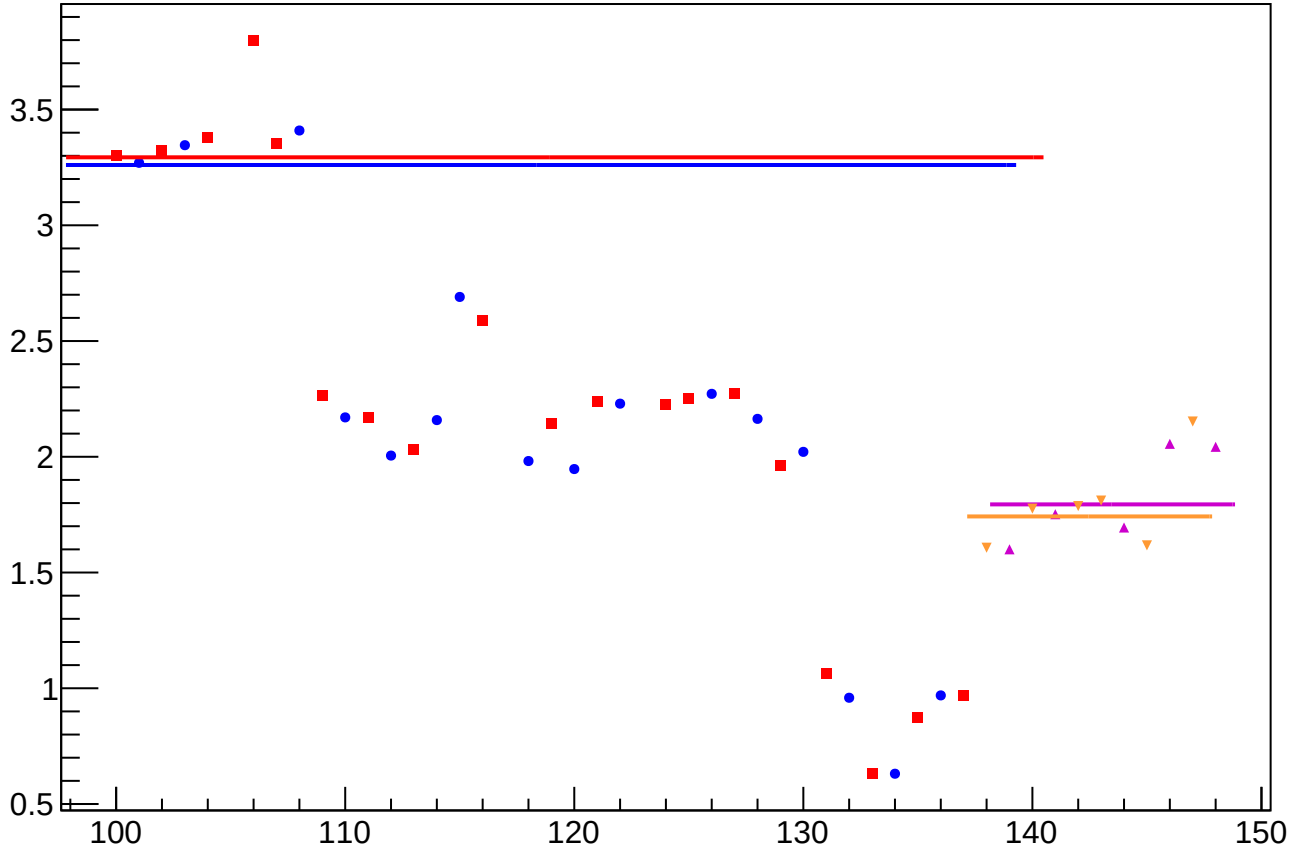
Left In: 0.043+/-0.000 χ^2/NDF:2782573.9/4

+ sign 0.007+/-0.000 χ^2/NDF: 15674468.1/21

All: 0.007+/-0.000 χ^2/NDF: 29794206.7/45

- sign 0.007+/-0.000 χ^2/NDF: 14107841.0/23

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

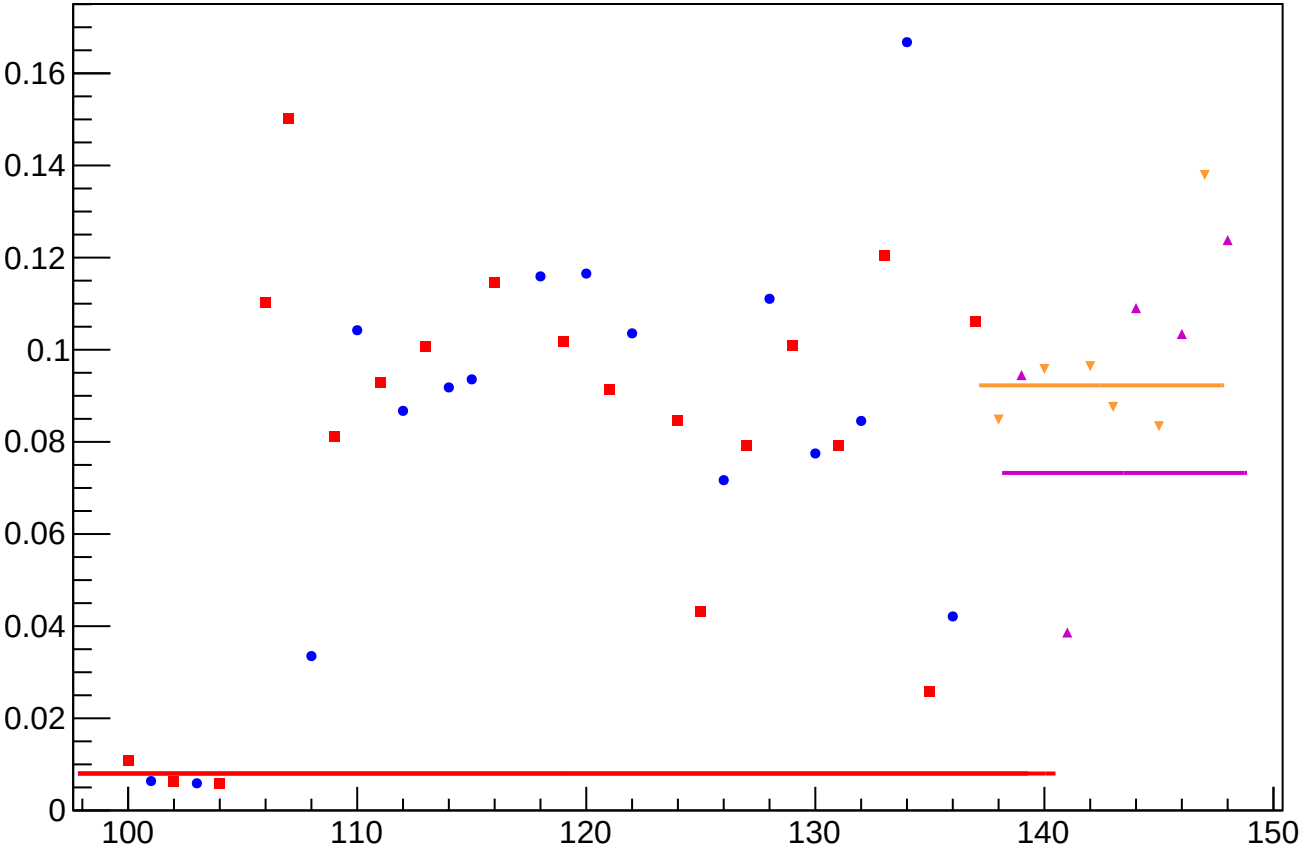
Left In: 1.794+/-0.000 χ^2/NDF:12021482.2/4

+ sign 3.238+/-0.000 χ^2/NDF: 4083973188.4/21

All: 3.252+/-0.000 χ^2/NDF: 8493035589.0/45

- sign 3.268+/-0.000 χ^2/NDF: 4395496672.7/23

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

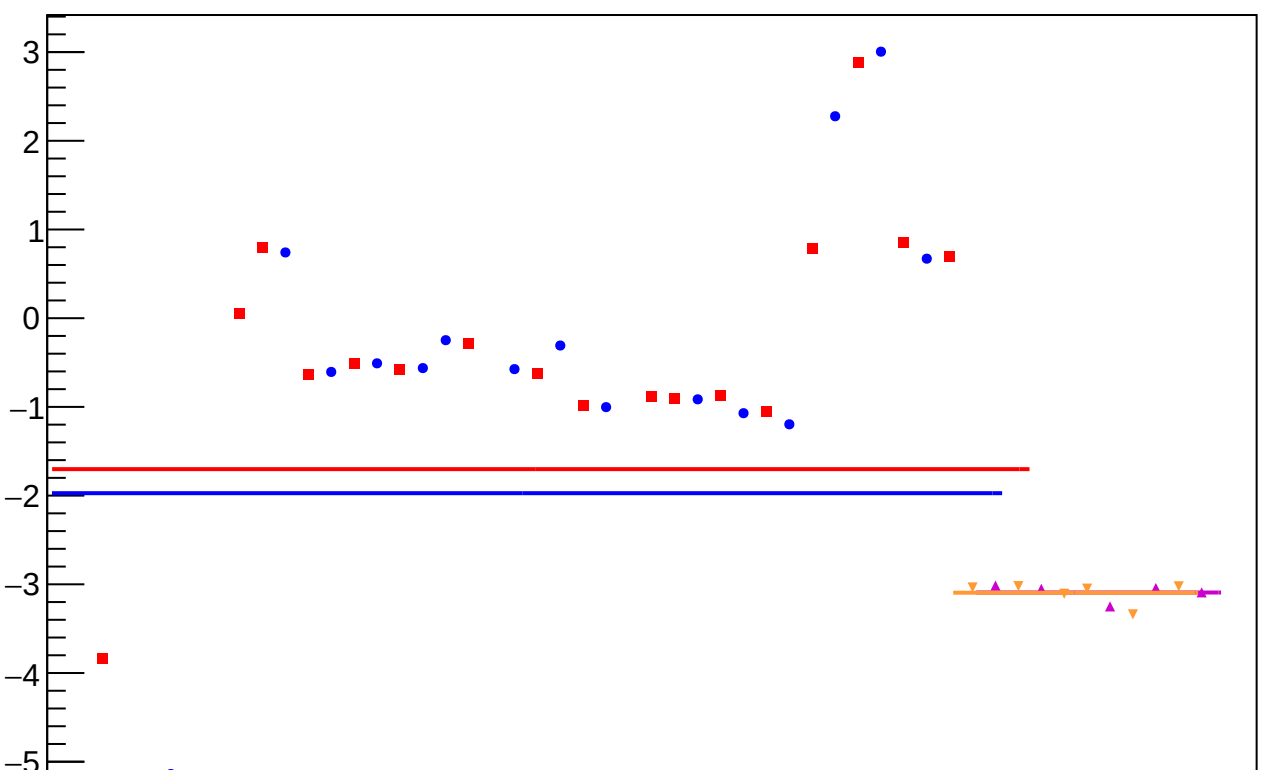
Left In: 0.073+/-0.000 χ^2/NDF:1222544.1/4

+ sign 0.009+/-0.000 χ^2/NDF: 15158034.9/21

All: 0.009+/-0.000 χ^2/NDF: 29239785.8/45

- sign 0.009+/-0.000 χ^2/NDF: 14081261.2/23

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

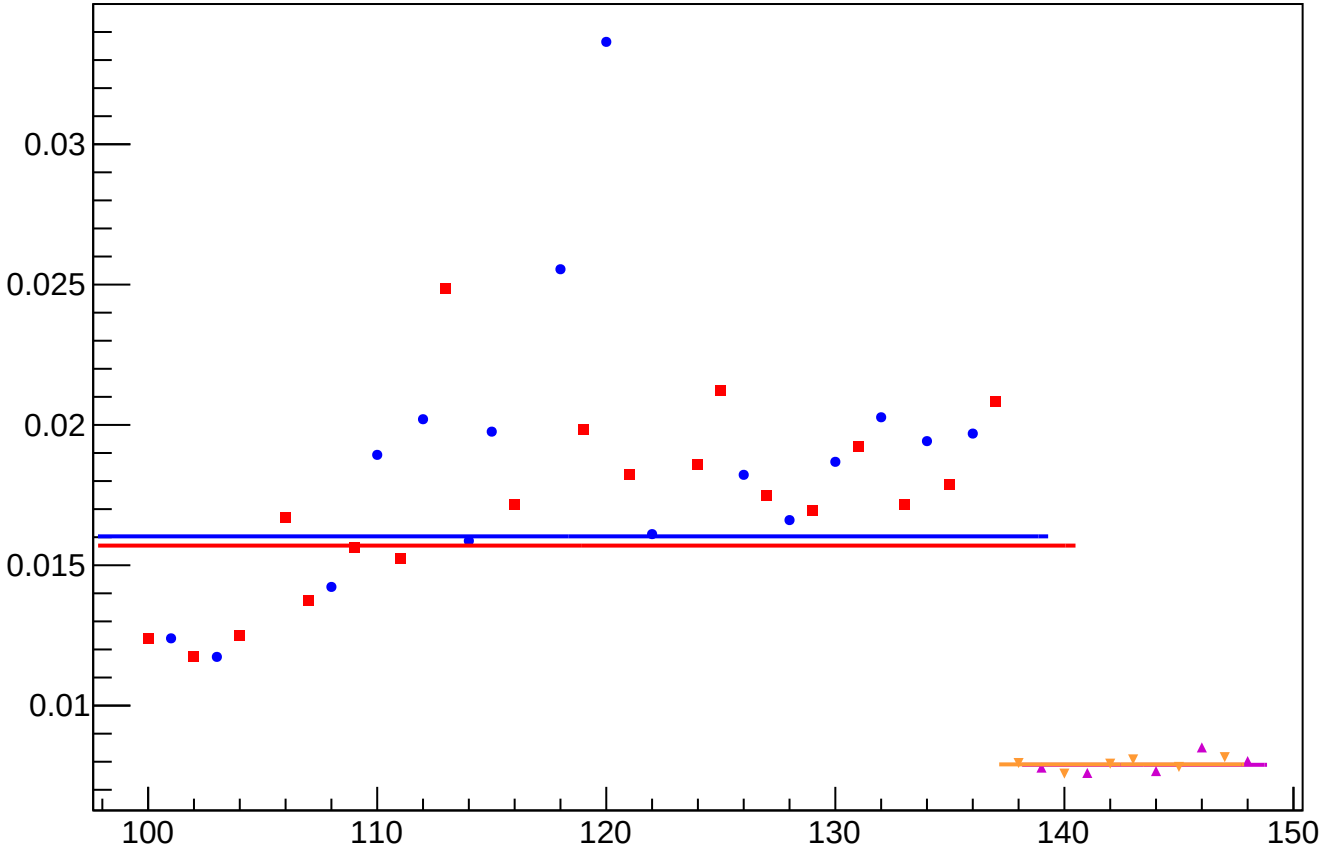
Left In: -3.092+/-0.000 χ^2/NDF:503913568.4/4

+ sign -2.818+/-0.000 χ^2/NDF: 184419966248.3/21

All: -2.762+/-0.000 χ^2/NDF: 389761258462.7

- sign -2.707+/-0.000 χ^2/NDF: 204767284533.1/23

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

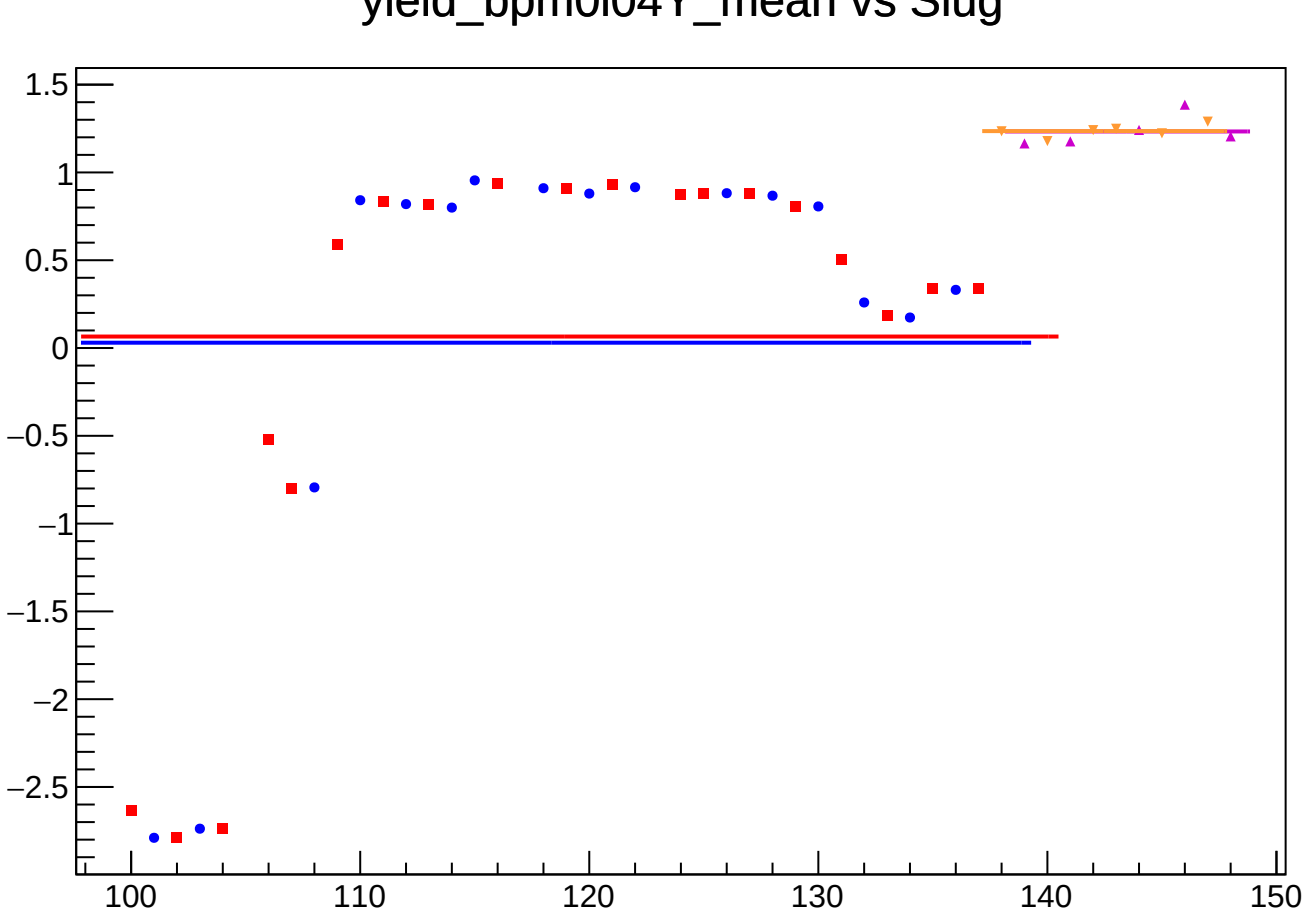
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13801.0/4

+ sign 0.010+/-0.000 χ^2/NDF: 2994767.5/21

All: 0.010+/-0.000 χ^2/NDF: 5792729.0/45

- sign 0.010+/-0.000 χ^2/NDF: 2795917.2/23



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

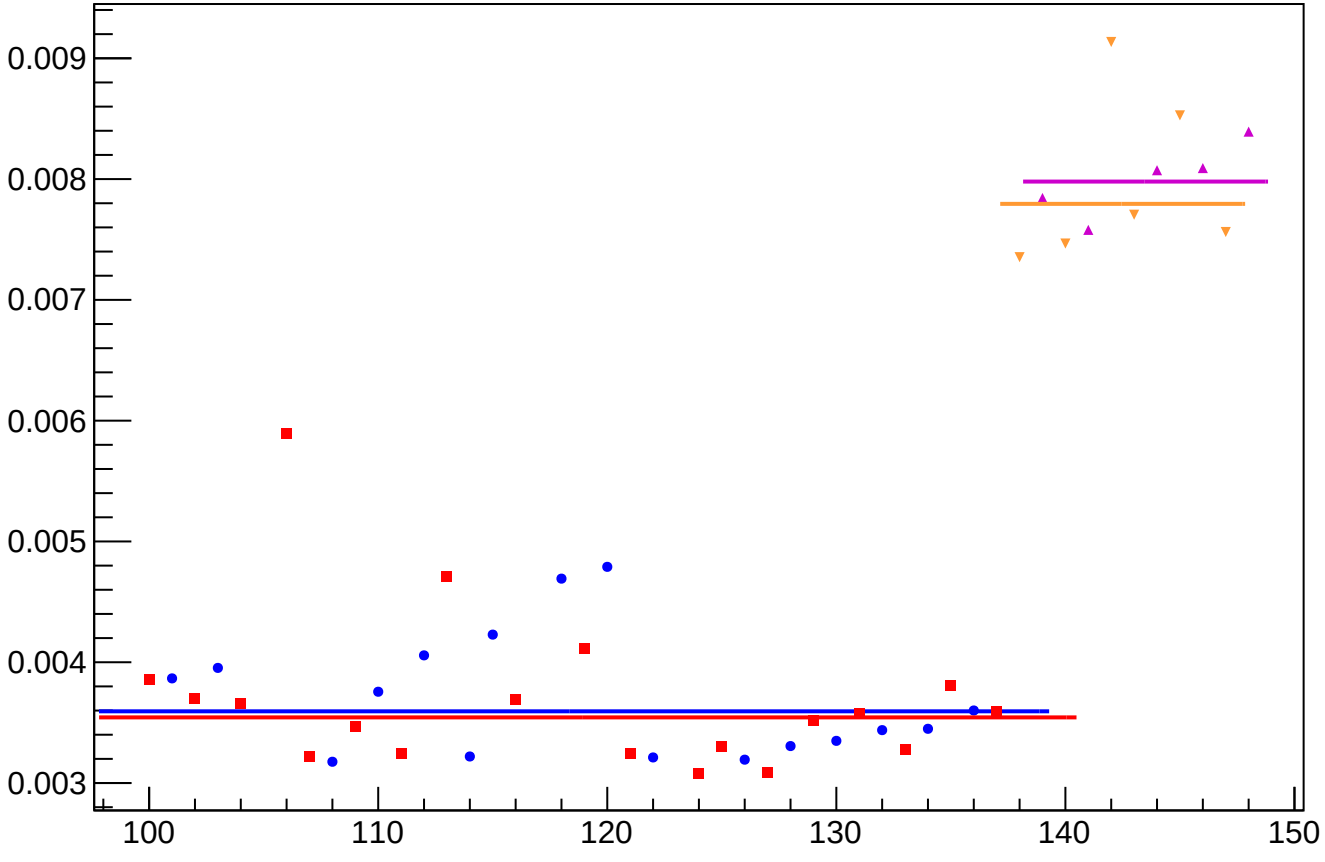
Left In: 1.233+/-0.000 χ^2/NDF:342840630.4/4

+ sign 0.150+/-0.000 χ^2/NDF: 927047086895.1/21

All: 0.160+/-0.000 χ^2/NDF: 1931034486084.

- sign 0.169+/-0.000 χ^2/NDF: 1003876744409.6/23

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

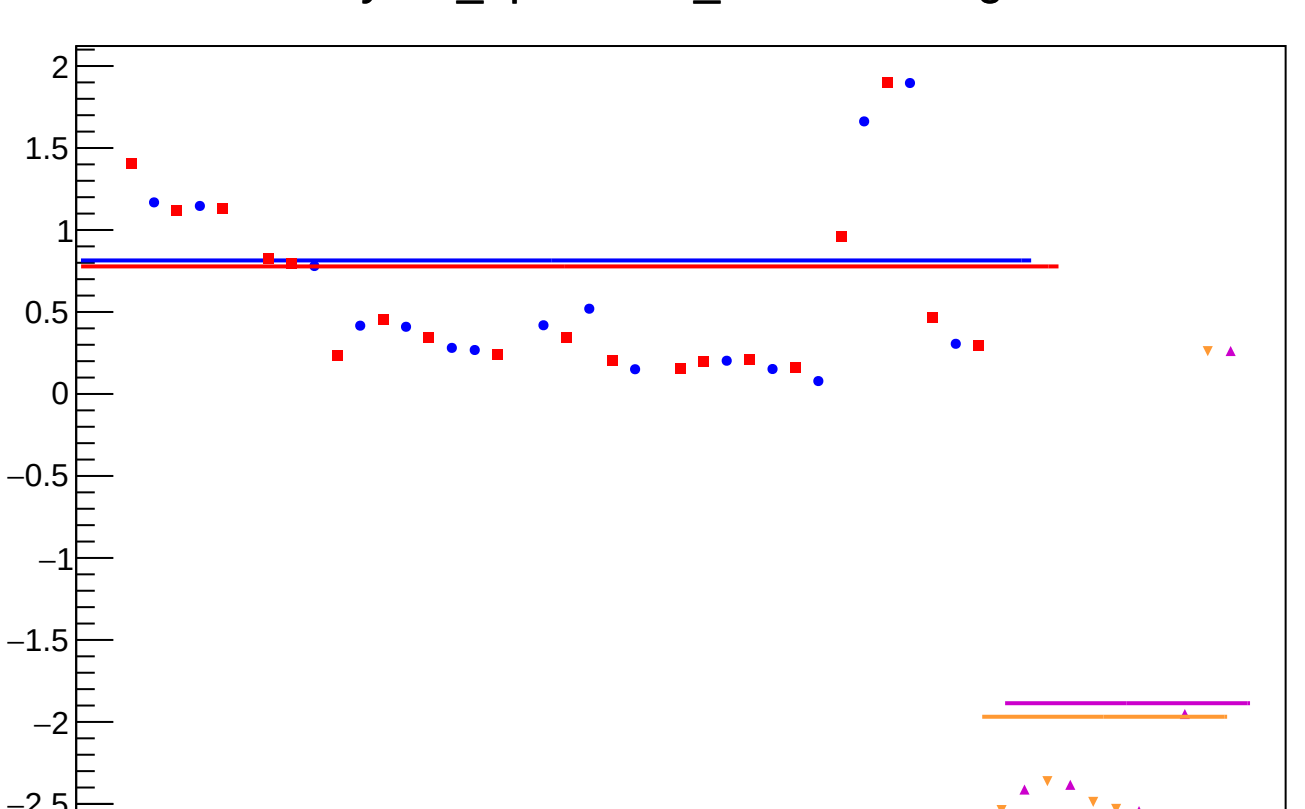
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:8176.5/4

+ sign 0.004+/-0.000 χ^2/NDF: 2043711.9/21

All: 0.004+/-0.000 χ^2/NDF: 4243067.3/45

- sign 0.004+/-0.000 χ^2/NDF: 2196184.1/23



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.968+/-0.000 χ^2/NDF:84991787571.0/5

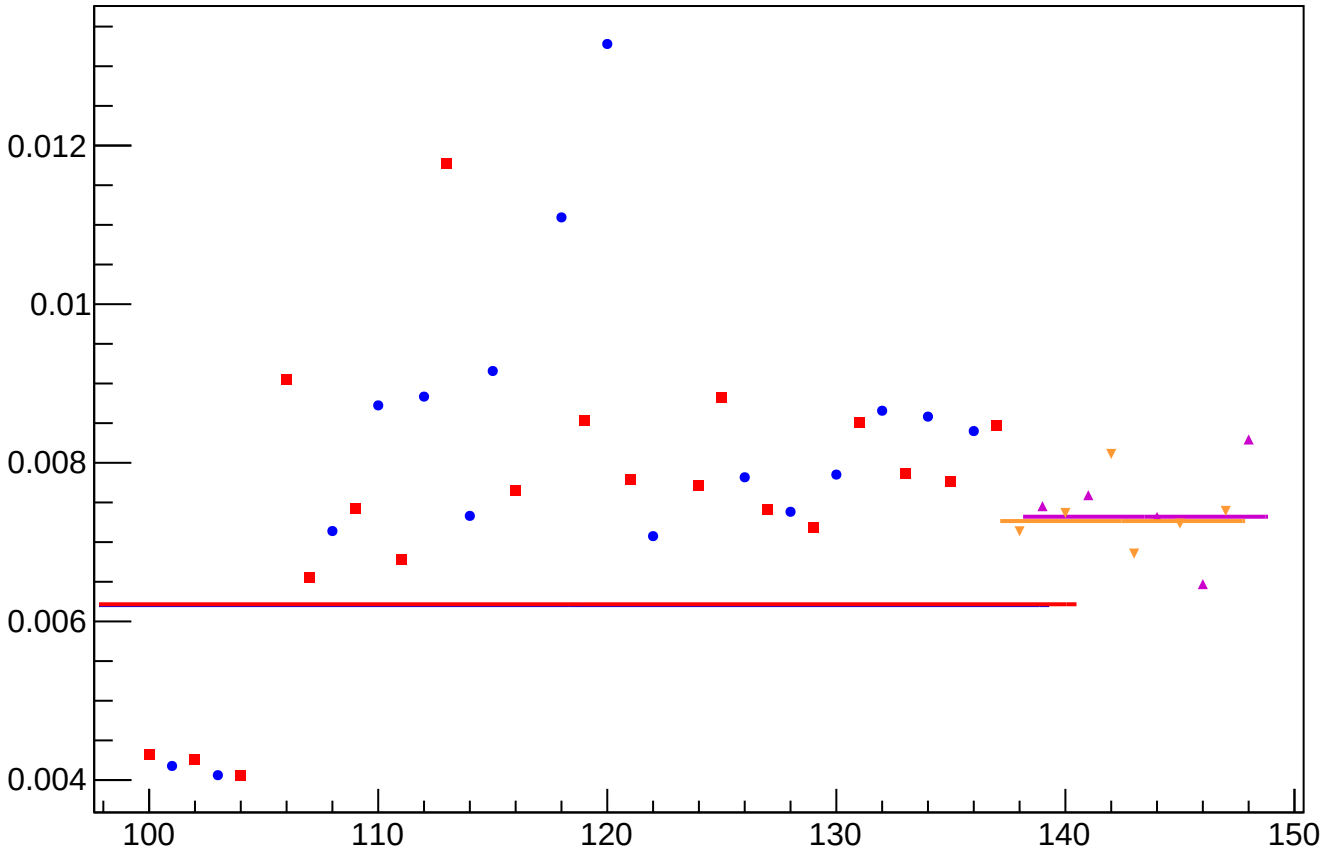
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.886+/-0.000 χ^2/NDF:64369369279.6/4

+ sign -0.107+/-0.000 χ^2/NDF: 490304704899.7/21

All: -0.078+/-0.000 χ^2/NDF: 932459292525.9

- sign -0.050+/-0.000 χ^2/NDF: 441799628216.0/23



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13835.3/5

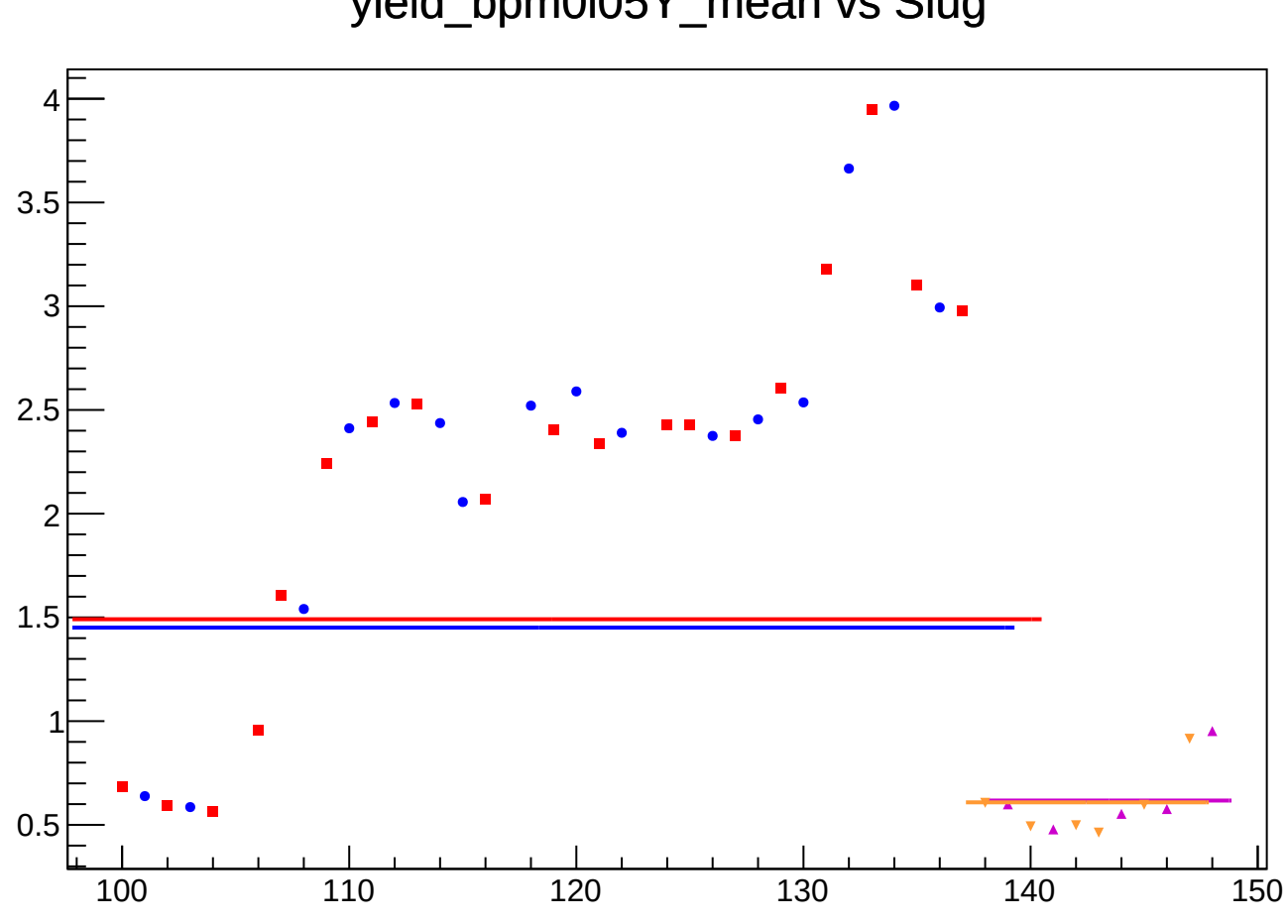
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:50722.2/4

+ sign 0.007+/-0.000 χ^2/NDF: 1544974.0/21

All: 0.007+/-0.000 χ^2/NDF: 2874563.8/45

- sign 0.007+/-0.000 χ^2/NDF: 1329588.2/23



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

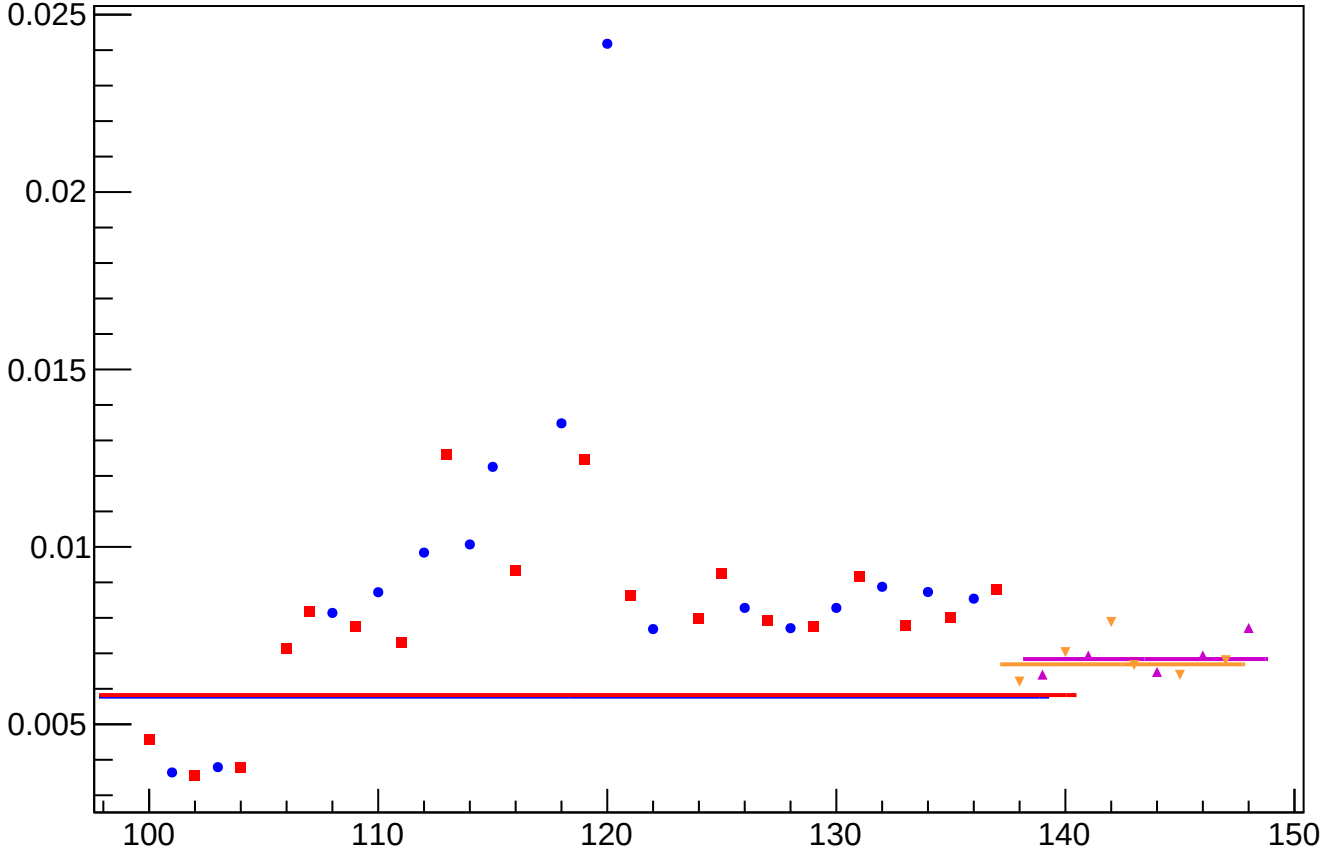
Left In: 0.617+/-0.000 χ^2/NDF:1591071137.9/4

+ sign 1.175+/-0.000 χ^2/NDF: 206163155029.9/21

All: 1.203+/-0.000 χ^2/NDF: 431998640892.9

- sign 1.229+/-0.000 χ^2/NDF: 225506539969.4/23

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

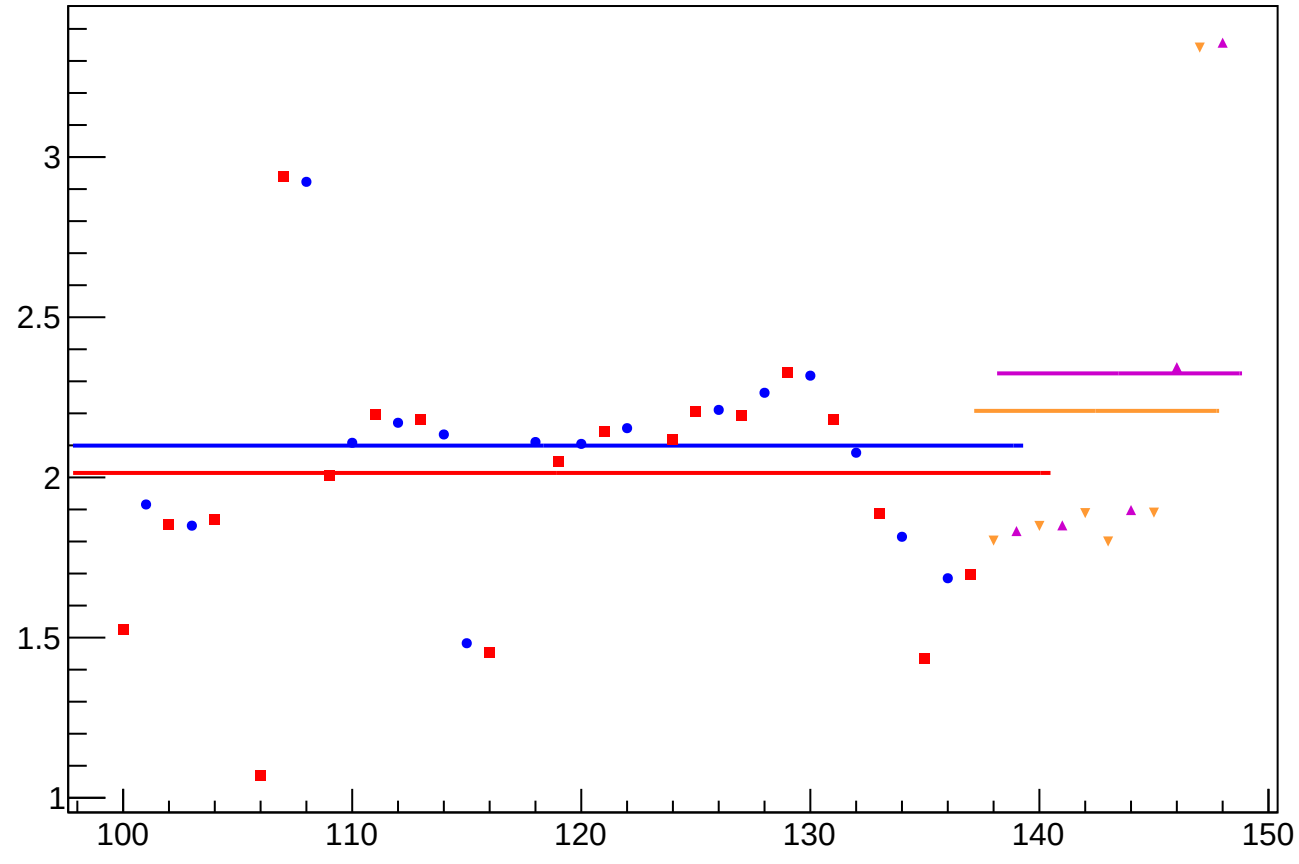
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:27502.8/4

+ sign 0.006+/-0.000 χ^2/NDF: 2323036.3/21

All: 0.006+/-0.000 χ^2/NDF: 4406805.9/45

- sign 0.006+/-0.000 χ^2/NDF: 2083198.3/23



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.208+/-0.000 χ^2/NDF:22966236067.9/5

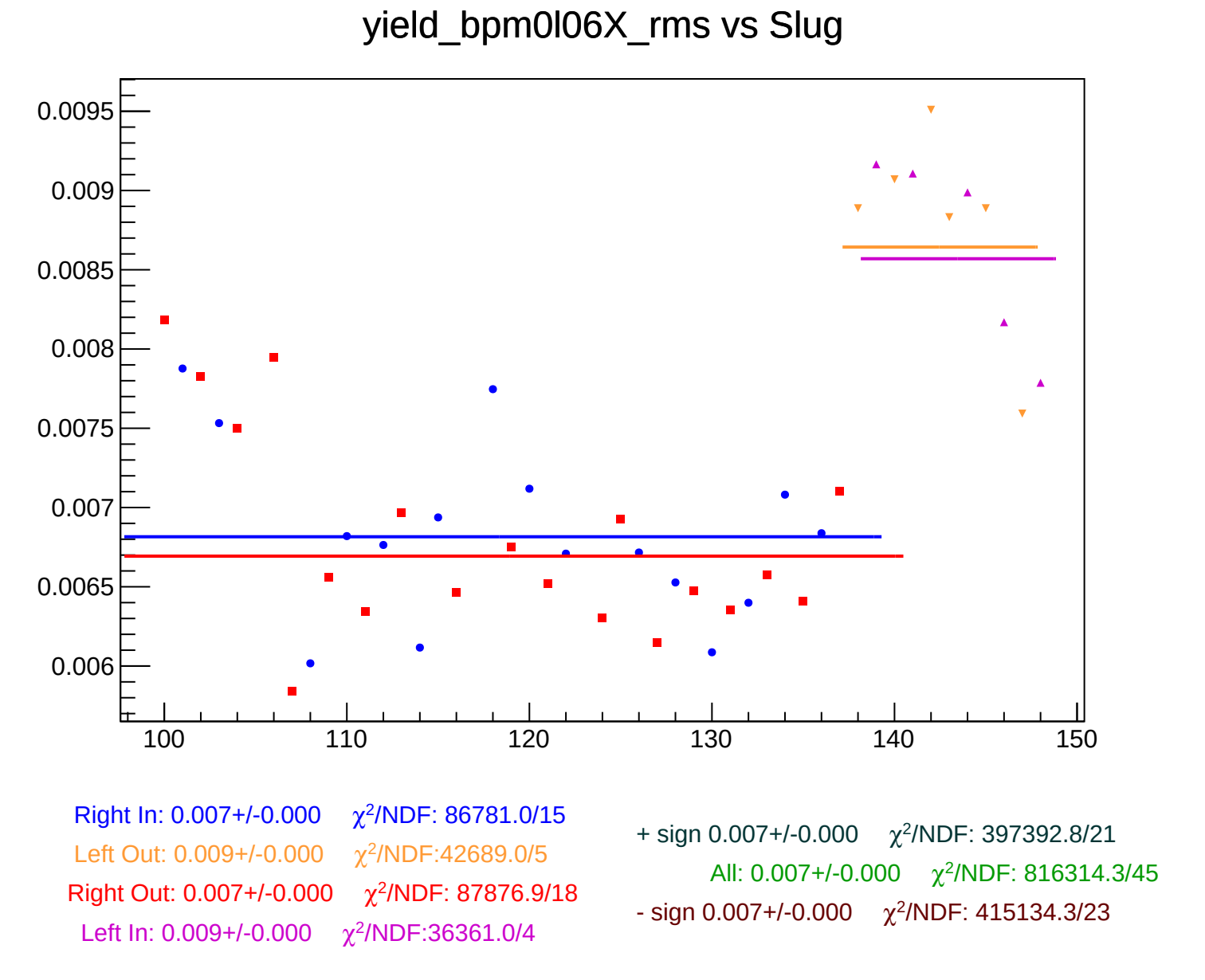
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

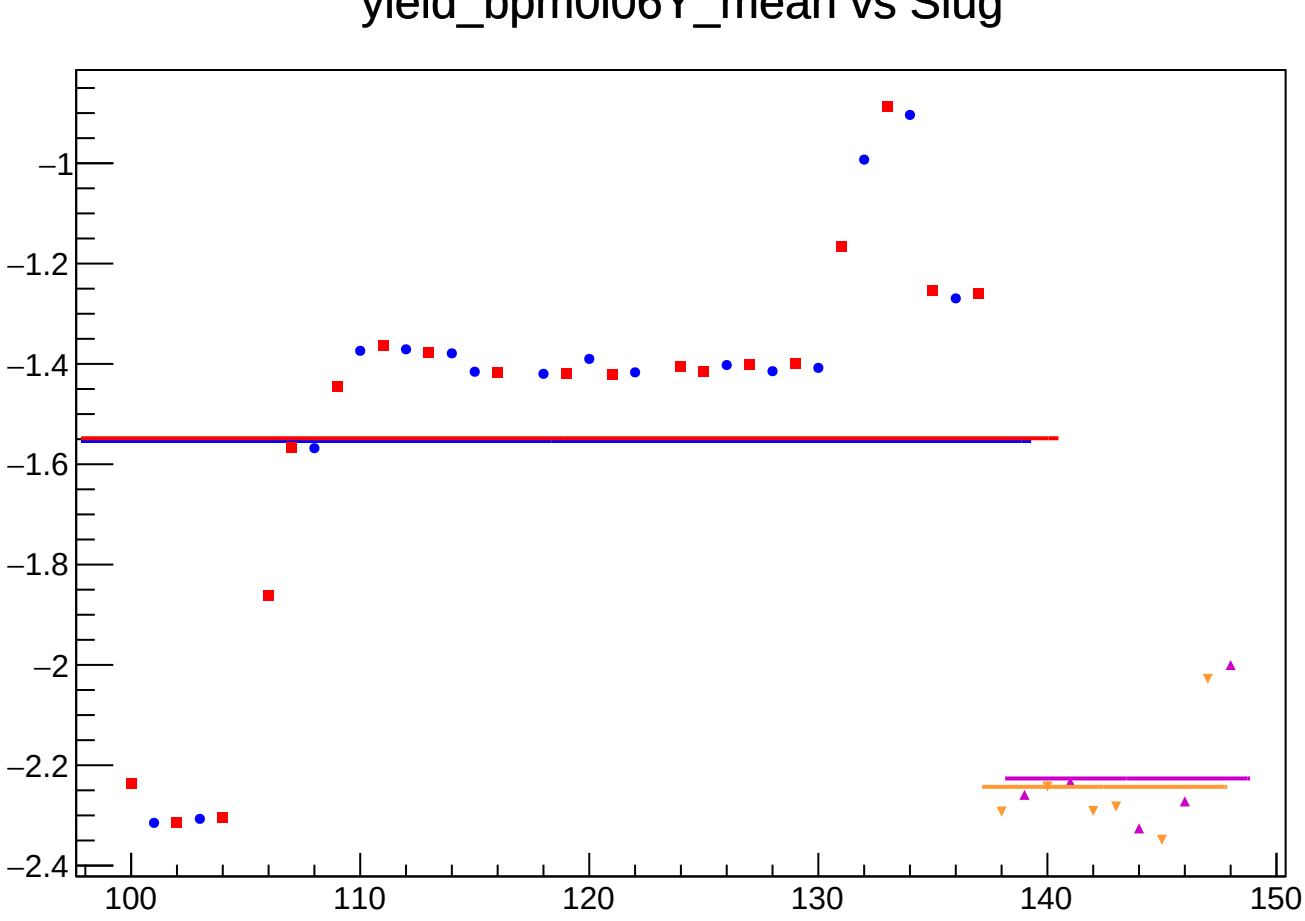
Left In: 2.325+/-0.000 χ^2/NDF:20500018596.9/4

+ sign 2.129+/-0.000 χ^2/NDF: 37366204547.1/21

All: 2.111+/-0.000 χ^2/NDF: 81594576721.0/4

- sign 2.095+/-0.000 χ^2/NDF: 44105146467.1/23


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.009+/-0.000 χ²/NDF:42689.0/5
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.009+/-0.000 χ²/NDF:36361.0/4
+ sign 0.007+/-0.000 χ²/NDF: 397392.8/21
All: 0.007+/-0.000 χ²/NDF: 816314.3/45
- sign 0.007+/-0.000 χ²/NDF: 415134.3/23



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

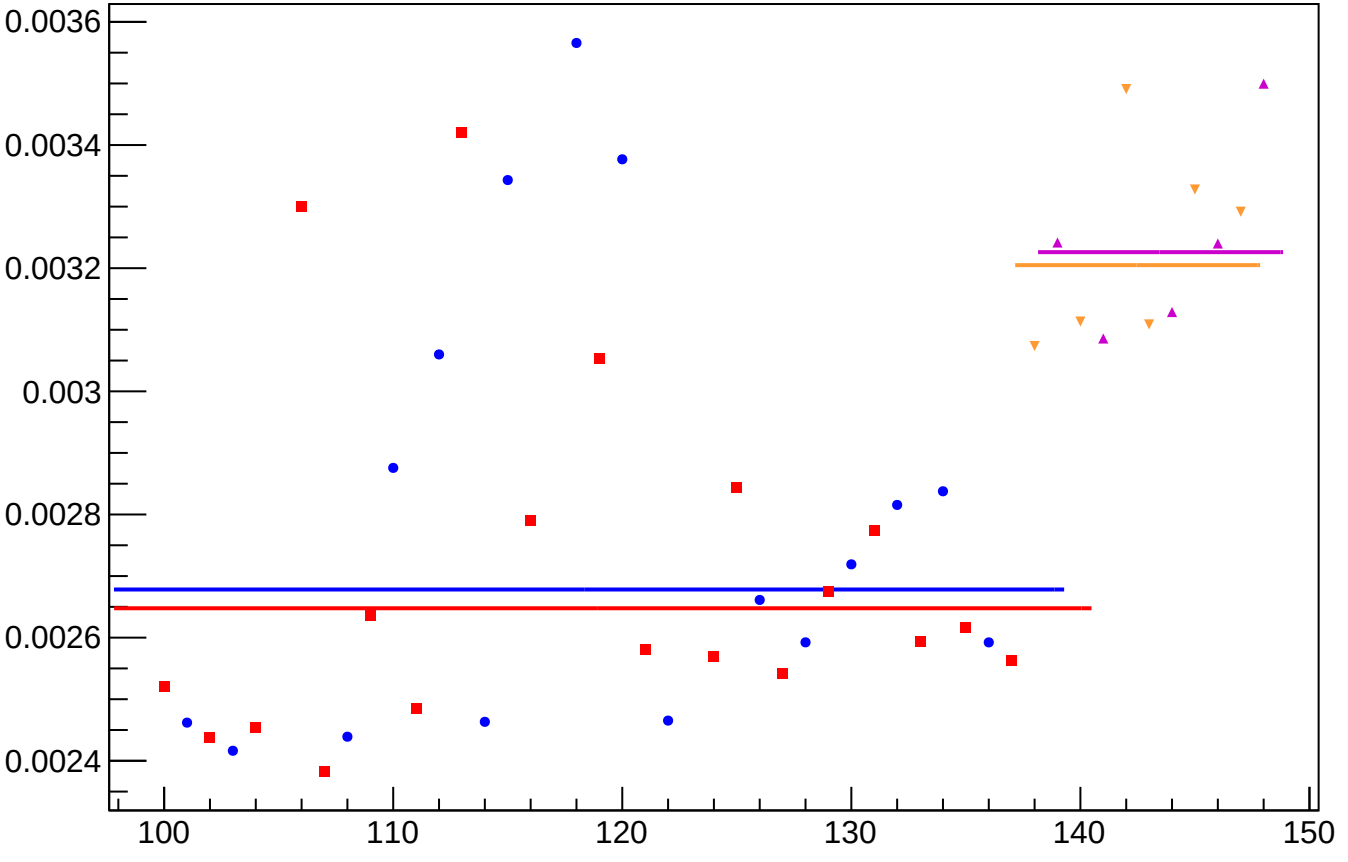
Left In: -2.226+/-0.000 χ^2/NDF:4271763369.8/4

+ sign -1.753+/-0.000 χ^2/NDF: 307981700203.8/21

All: -1.742+/-0.000 χ^2/NDF: 611612026562.8

- sign -1.731+/-0.000 χ^2/NDF: 303317468611.6/23

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

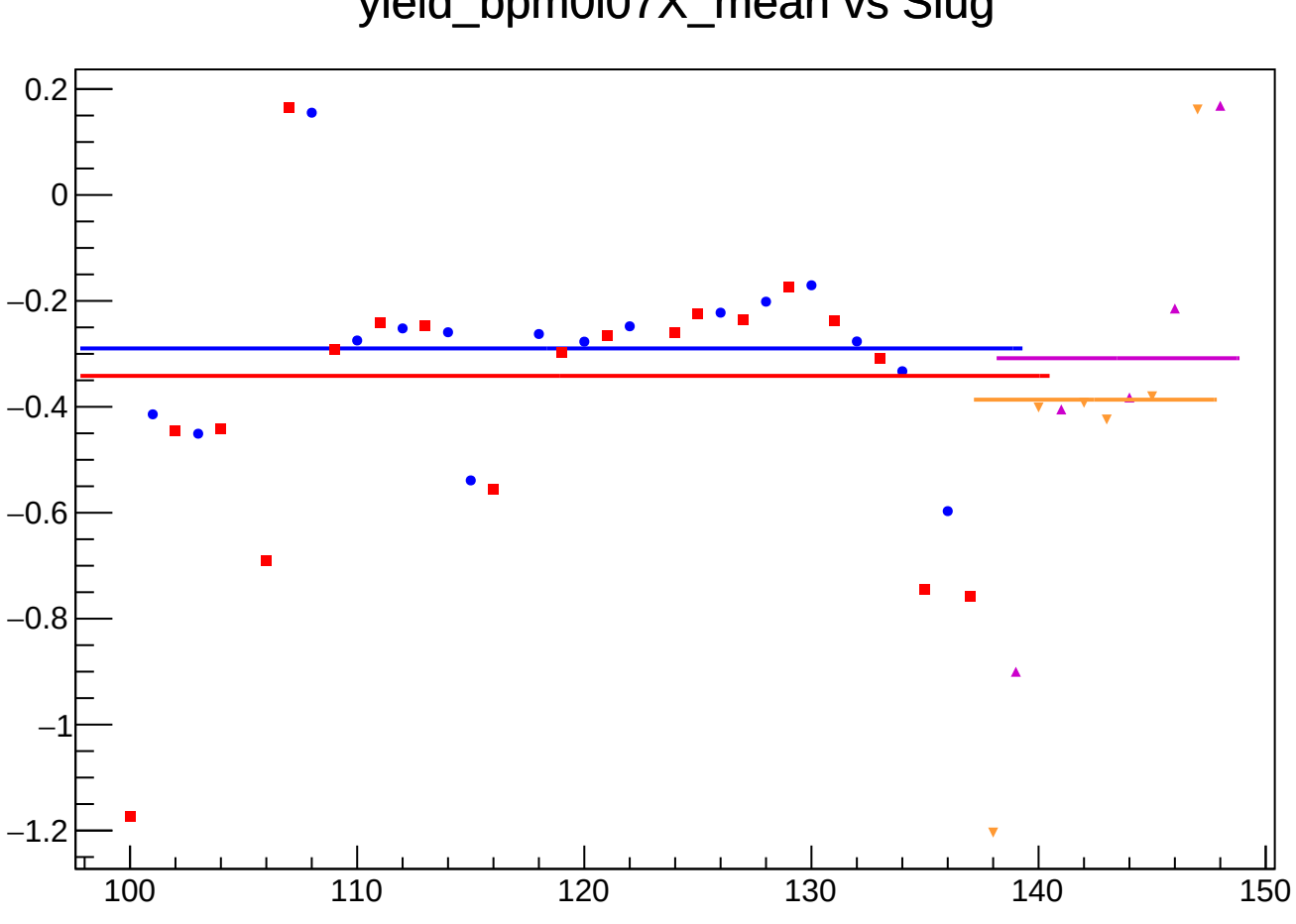
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:14310.1/4

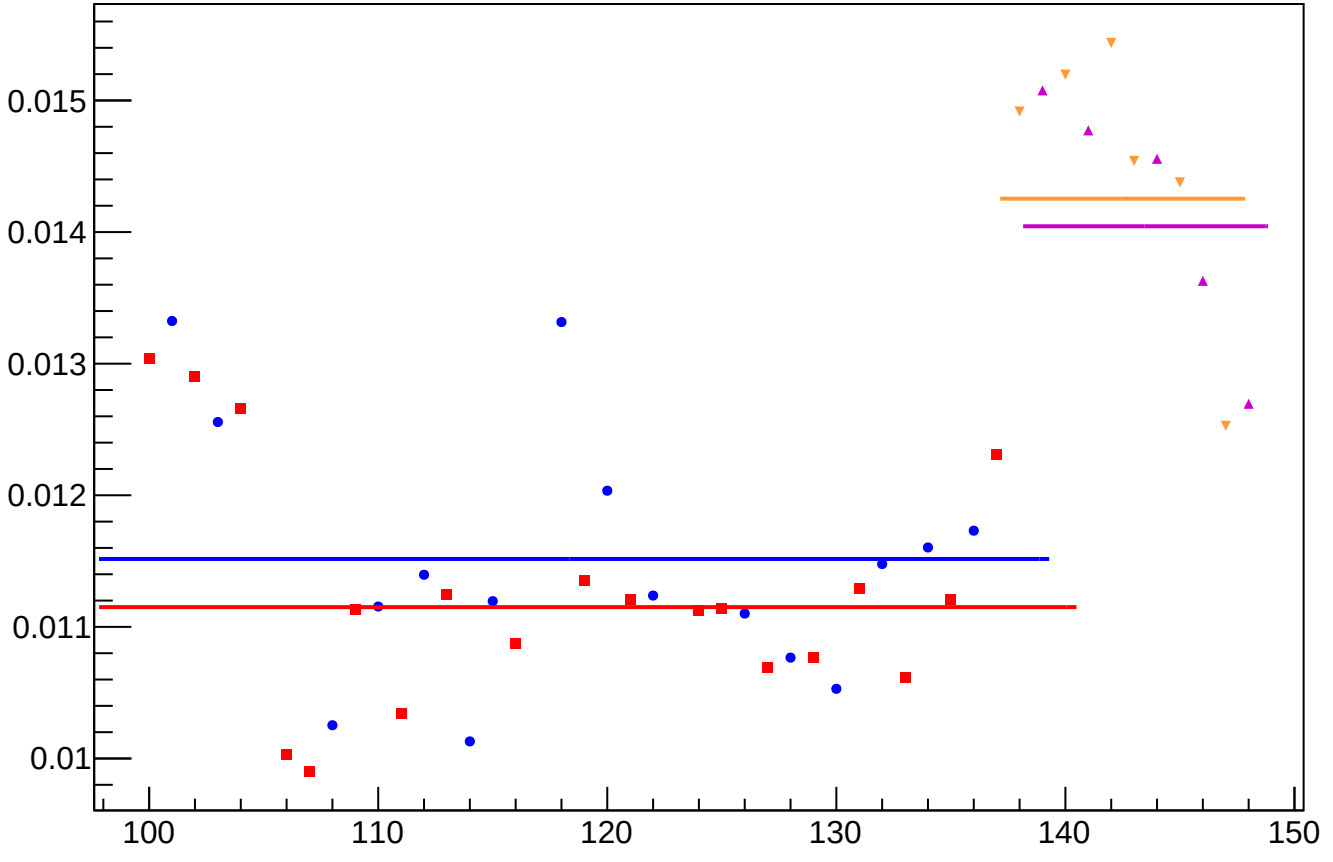
+ sign 0.003+/-0.000 χ^2/NDF: 321327.8/21

All: 0.003+/-0.000 χ^2/NDF: 633550.2/45

- sign 0.003+/-0.000 χ^2/NDF: 311272.7/23


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
Right In: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
Left Out: -0.386+/-0.000 χ²/NDF:3617777865.7/5
Right Out: -0.342+/-0.000 χ²/NDF: 2609243421.7/18
Left In: -0.308+/-0.000 χ²/NDF:2431102766.1/4
+ sign -0.317+/-0.000 χ²/NDF: 5399715687.0/21
All: -0.325+/-0.000 χ²/NDF: 10466641447.4/
- sign -0.333+/-0.000 χ²/NDF: 5057182756.1/23

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

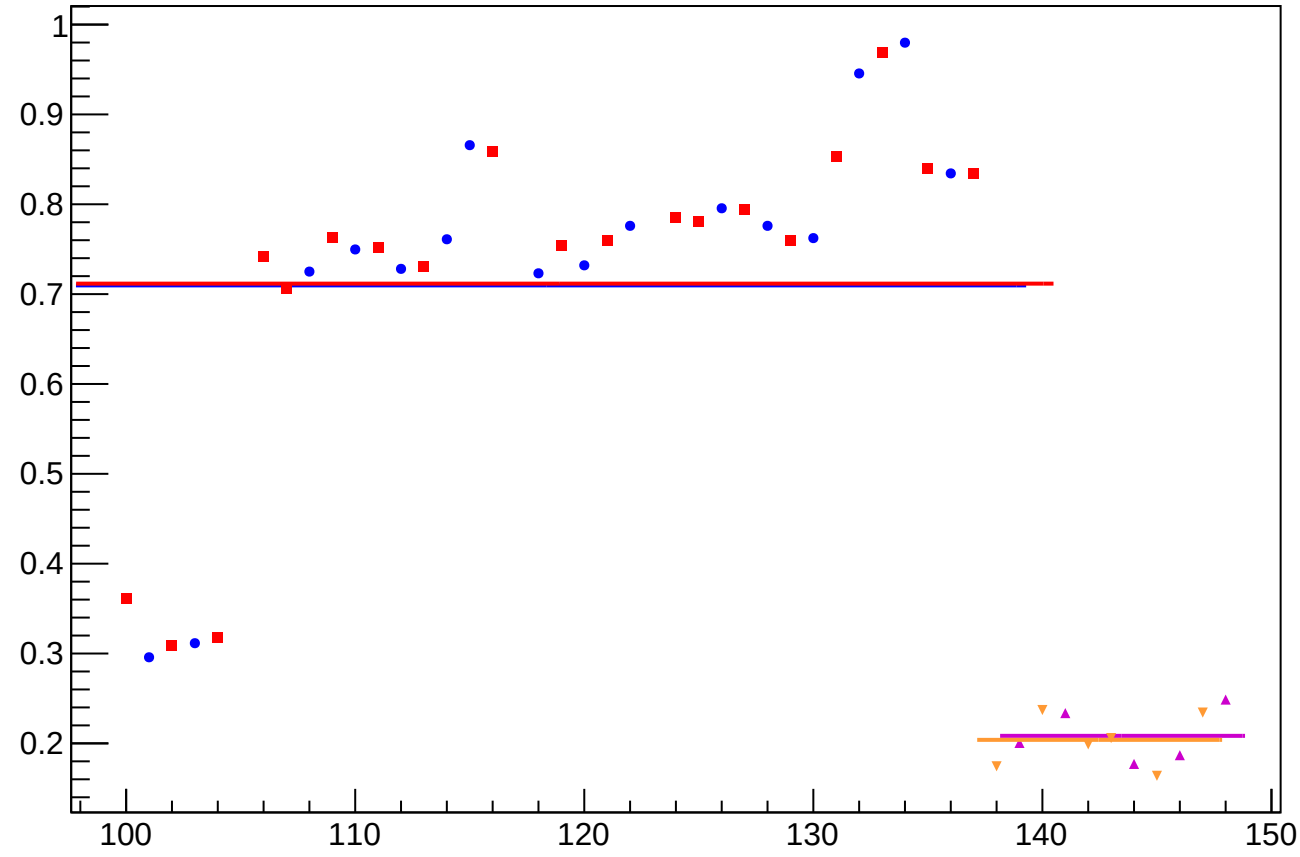
Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:32776.3/4

+ sign 0.012+/-0.000 χ^2/NDF: 347156.8/21

All: 0.012+/-0.000 χ^2/NDF: 715377.7/45

- sign 0.012+/-0.000 χ^2/NDF: 357240.0/23



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

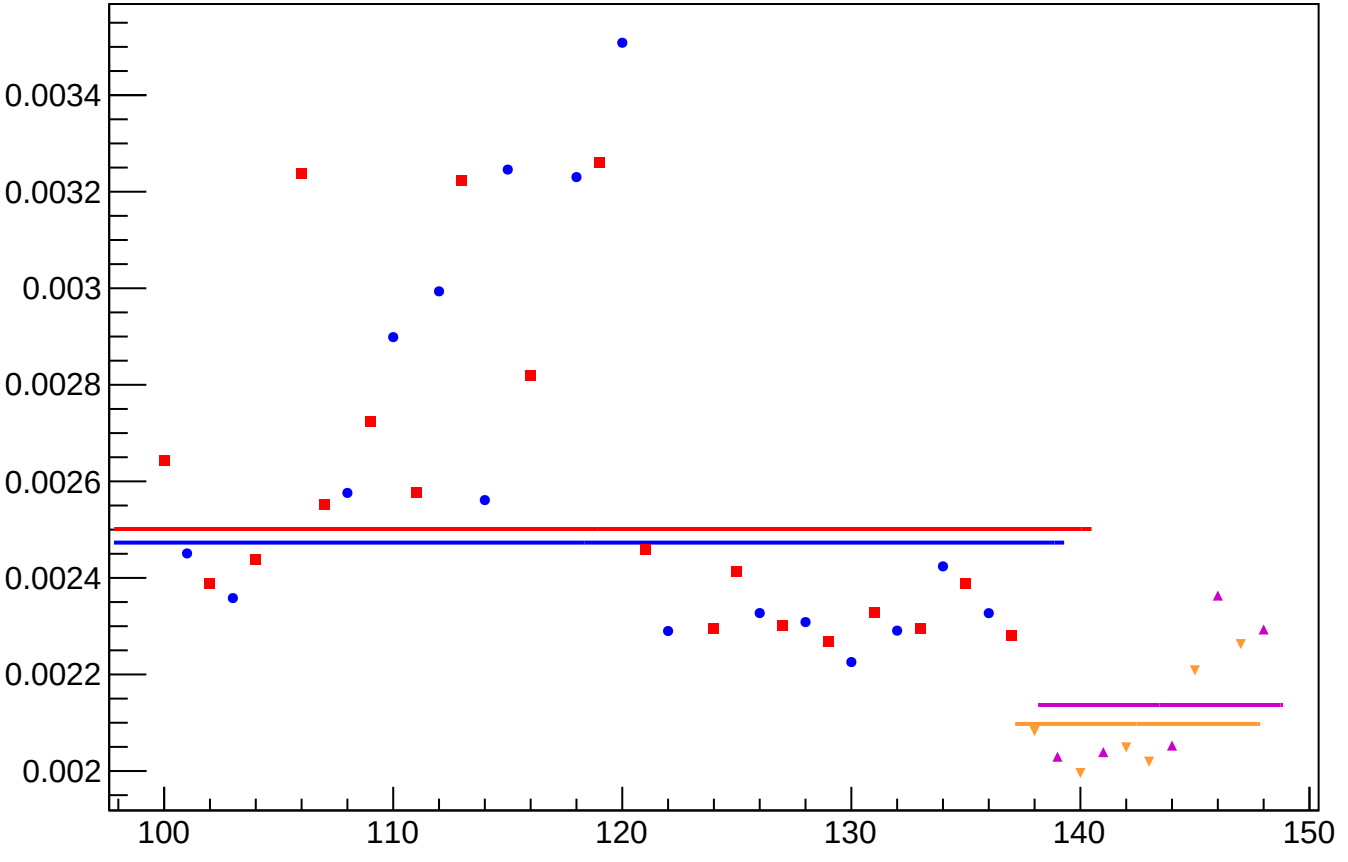
Left In: 0.208+/-0.000 χ^2/NDF:681606259.0/4

+ sign 0.469+/-0.000 χ^2/NDF: 185531957094.8/21

All: 0.476+/-0.000 χ^2/NDF: 360326391837.7

- sign 0.482+/-0.000 χ^2/NDF: 174603583091.0/23

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

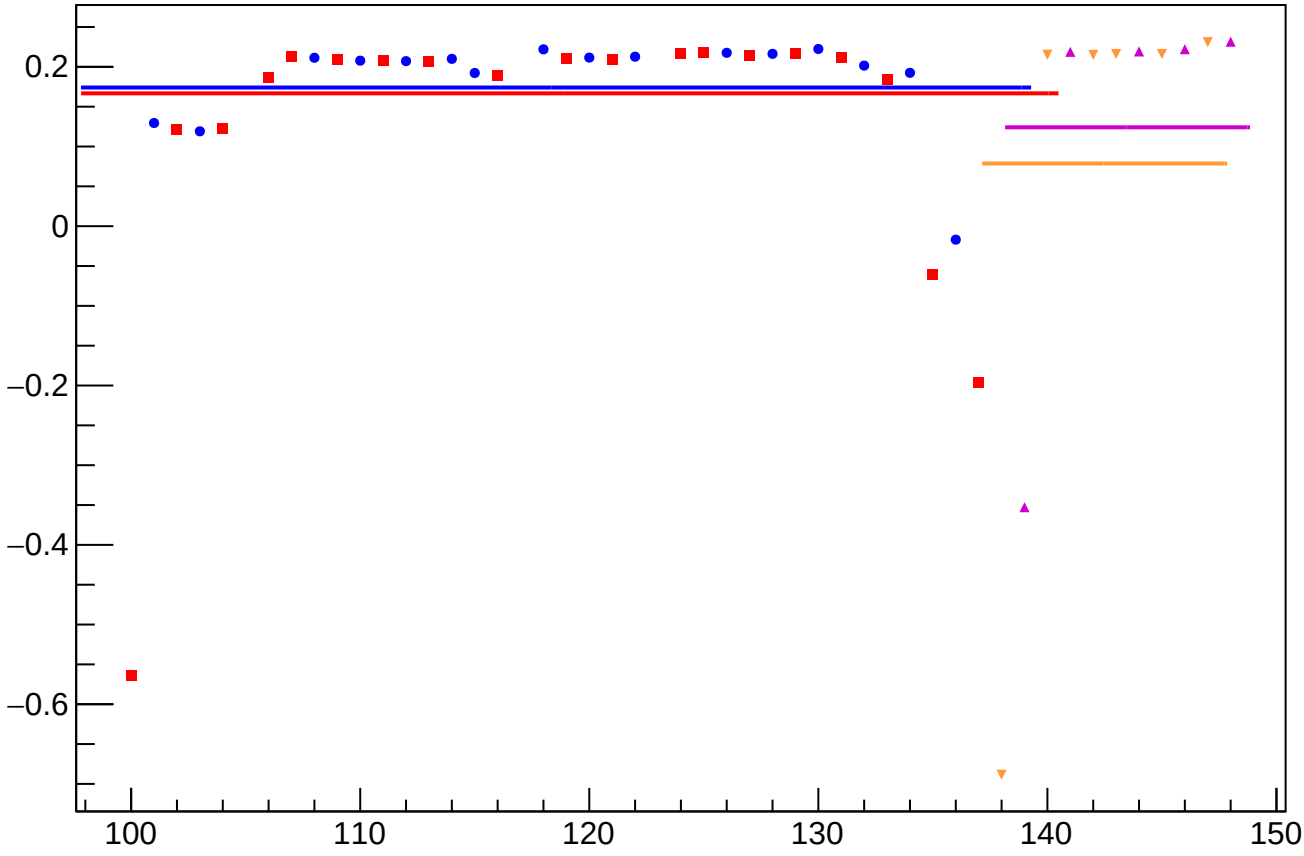
Left In: 0.002+/-0.000 χ^2/NDF:35584.2/4

+ sign 0.002+/-0.000 χ^2/NDF: 377917.2/21

All: 0.002+/-0.000 χ^2/NDF: 730570.6/45

- sign 0.002+/-0.000 χ^2/NDF: 349133.2/23

yield_bpm0l08X_mean vs Slug



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

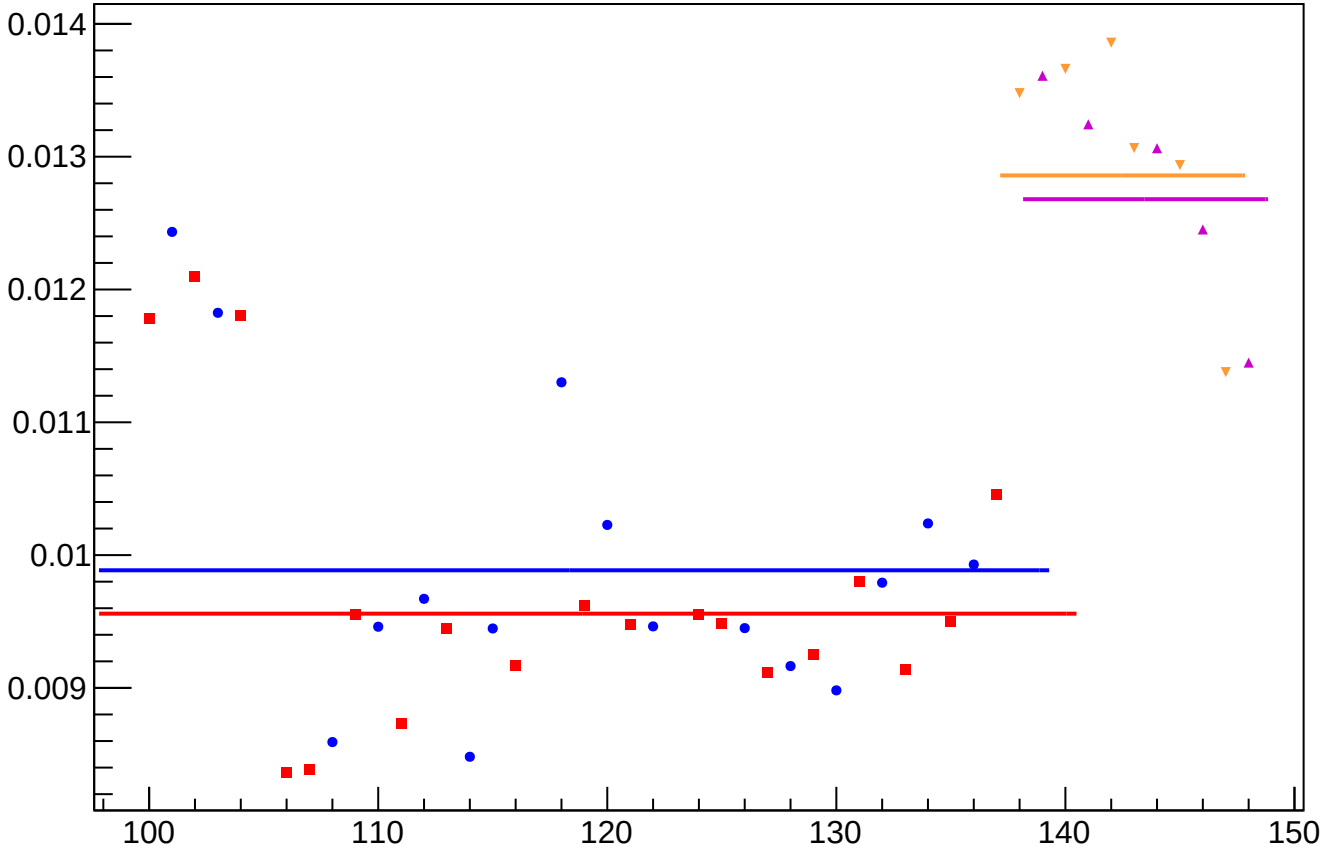
Left In: 0.124+/-0.000 χ^2/NDF:1191501842.4/4

+ sign 0.149+/-0.000 χ^2/NDF: 3284122045.6/21

All: 0.153+/-0.000 χ^2/NDF: 5407156731.0/45

- sign 0.156+/-0.000 χ^2/NDF: 2120298093.9/23

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

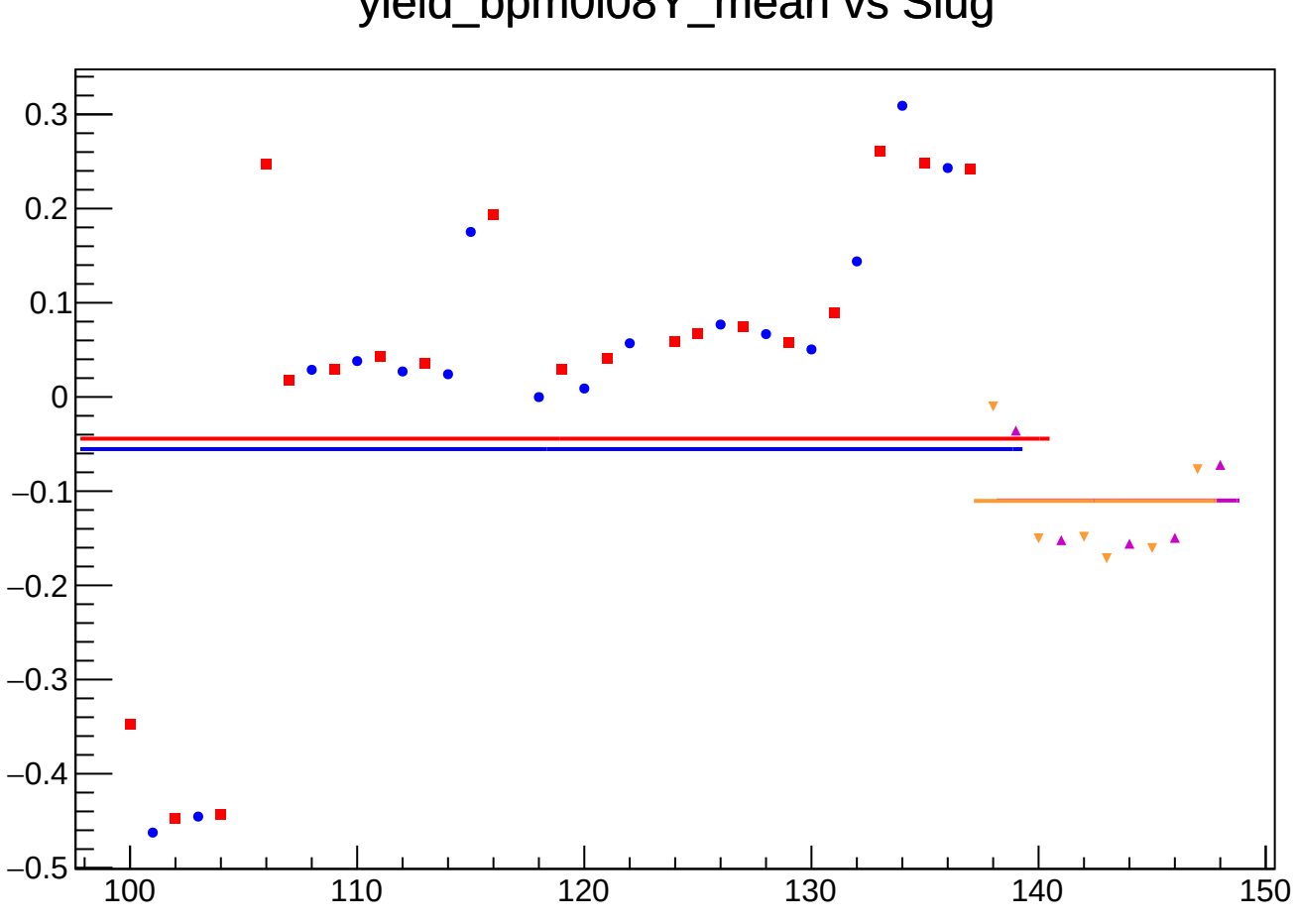
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:30568.1/4

+ sign 0.011+/-0.000 χ^2/NDF: 514106.5/21

All: 0.010+/-0.000 χ^2/NDF: 1064463.8/45

- sign 0.010+/-0.000 χ^2/NDF: 537980.7/23



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.110+/-0.000 χ^2/NDF:1652062340.8/5

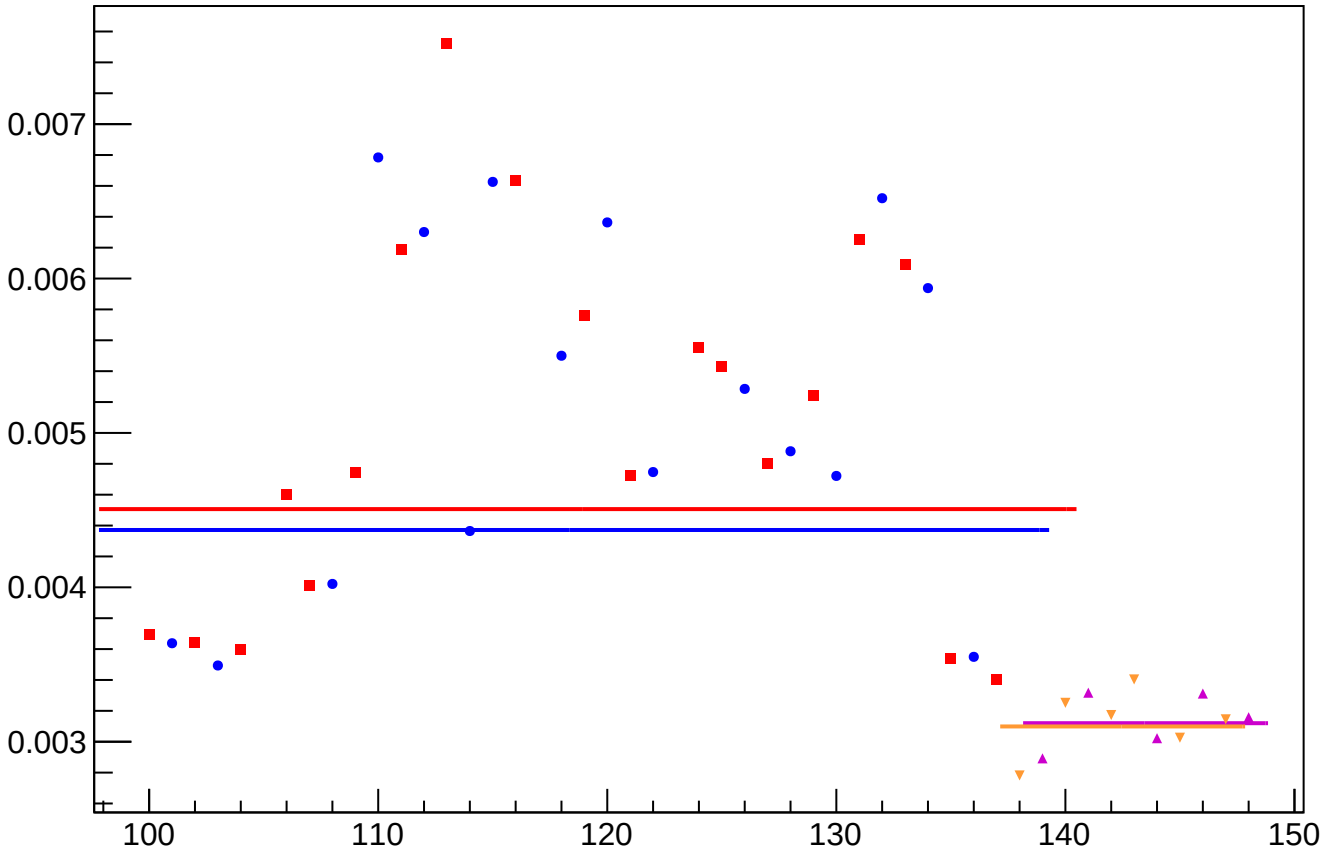
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.110+/-0.000 χ^2/NDF:1082547887.4/4

+ sign -0.087+/-0.000 χ^2/NDF: 26287764952.5/21

All: -0.084+/-0.000 χ^2/NDF: 50286109278.6/

- sign -0.082+/-0.000 χ^2/NDF: 23987715425.3/23



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

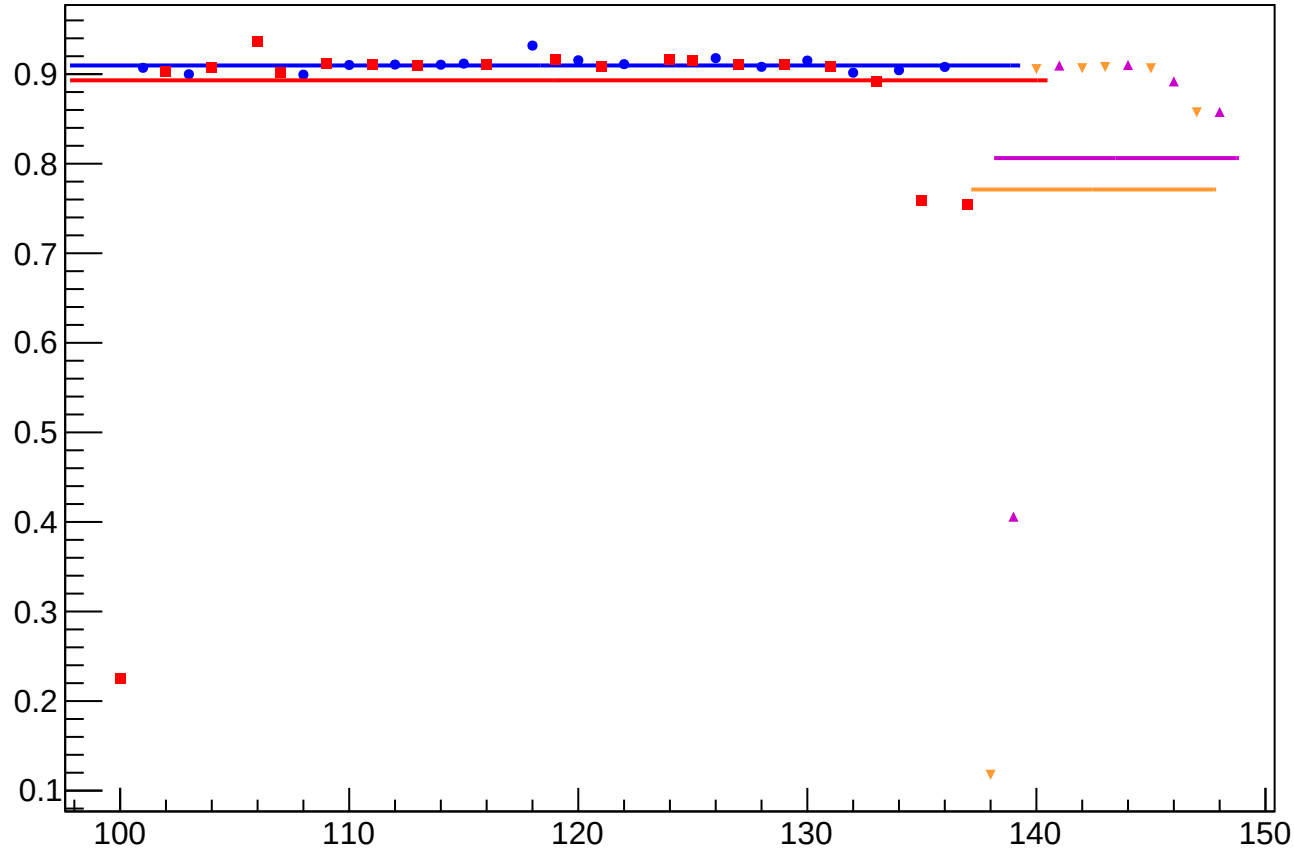
Left In: 0.003+/-0.000 χ^2/NDF:23001.8/4

+ sign 0.004+/-0.000 χ^2/NDF: 1289276.5/21

All: 0.004+/-0.000 χ^2/NDF: 2707513.1/45

- sign 0.004+/-0.000 χ^2/NDF: 1413601.0/23

yield_bpm0l09X_mean vs Slug



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

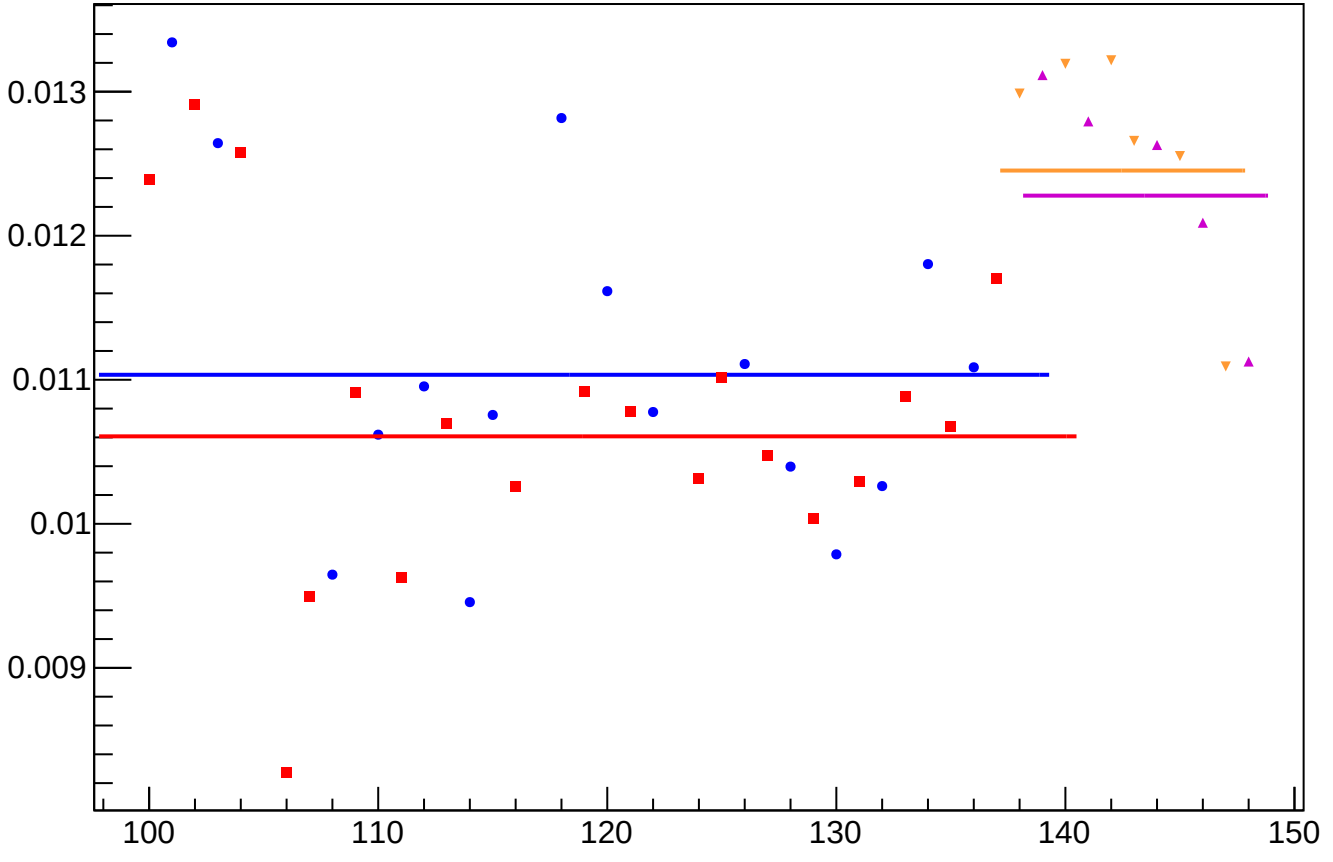
Left In: 0.806+/-0.000 χ^2/NDF:924194293.9/4

+ sign 0.865+/-0.000 χ^2/NDF: 2507569122.6/21

All: 0.866+/-0.000 χ^2/NDF: 3903457735.0/45

- sign 0.867+/-0.000 χ^2/NDF: 1395634770.7/23

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

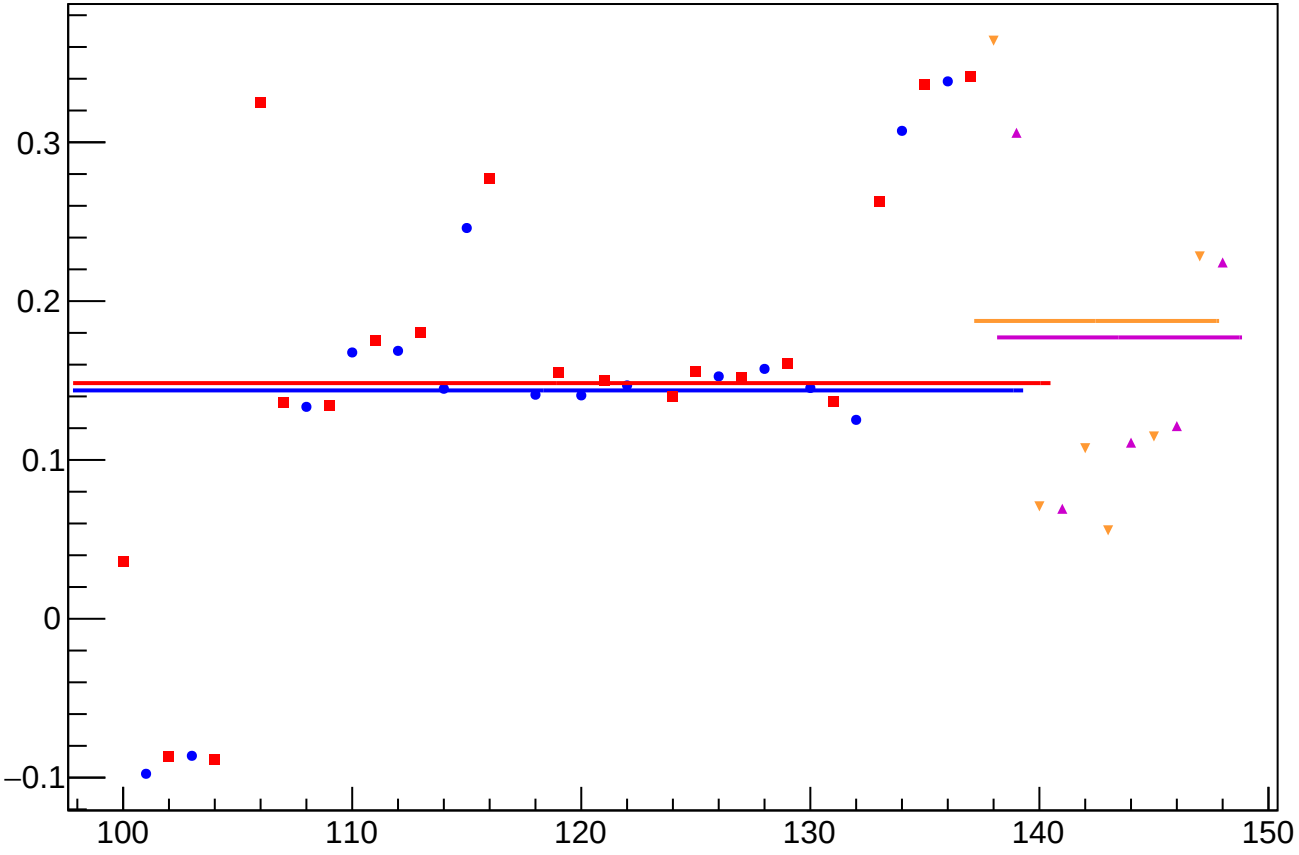
Left In: 0.012+/-0.000 χ^2/NDF:27964.7/4

+ sign 0.011+/-0.000 χ^2/NDF: 238100.4/21

All: 0.011+/-0.000 χ^2/NDF: 529524.2/45

- sign 0.011+/-0.000 χ^2/NDF: 278213.0/23

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

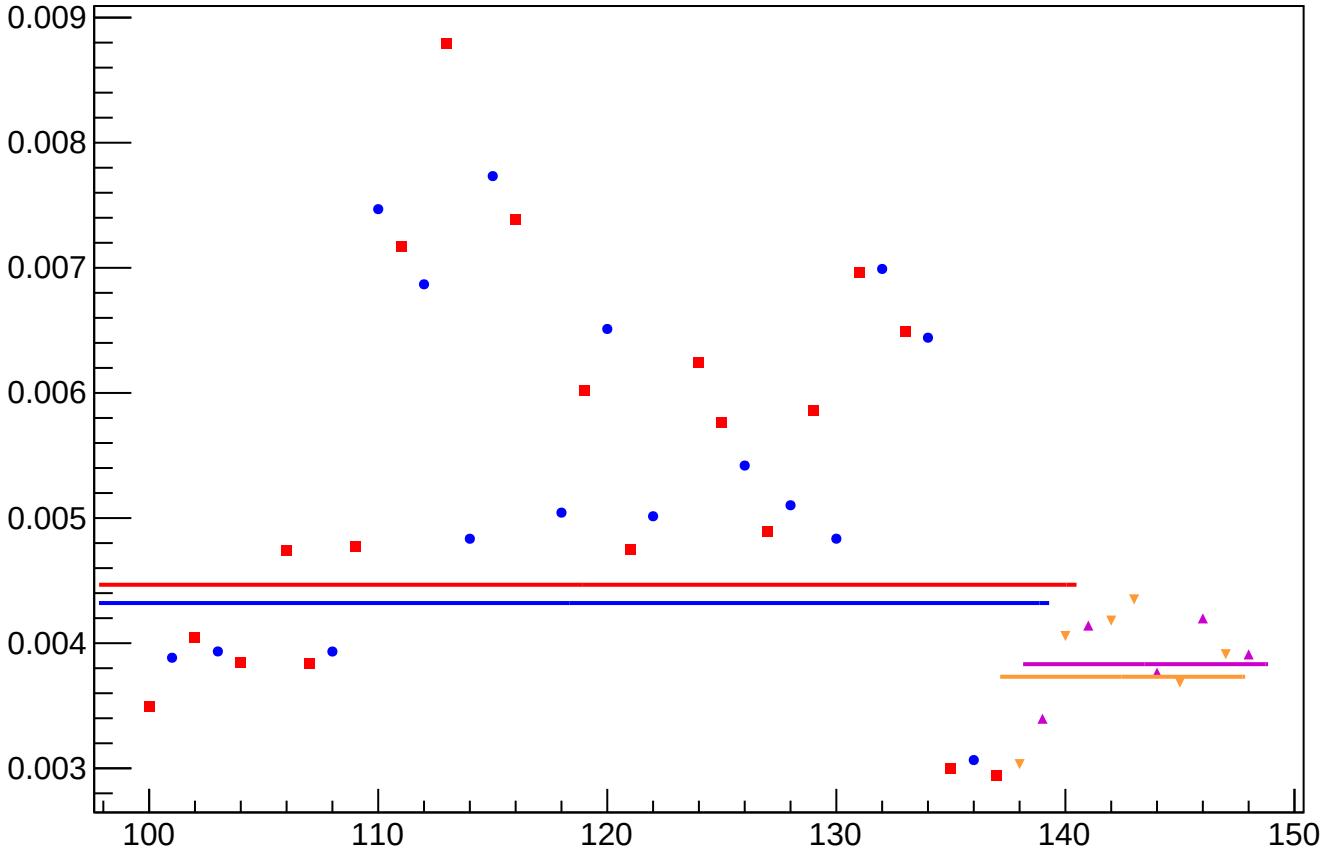
Left In: 0.177+/-0.000 χ^2/NDF:2116113442.1/4

+ sign 0.165+/-0.000 χ^2/NDF: 12215329604.7/21

All: 0.163+/-0.000 χ^2/NDF: 21577341059.8/4

- sign 0.162+/-0.000 χ^2/NDF: 9359644888.4/23

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

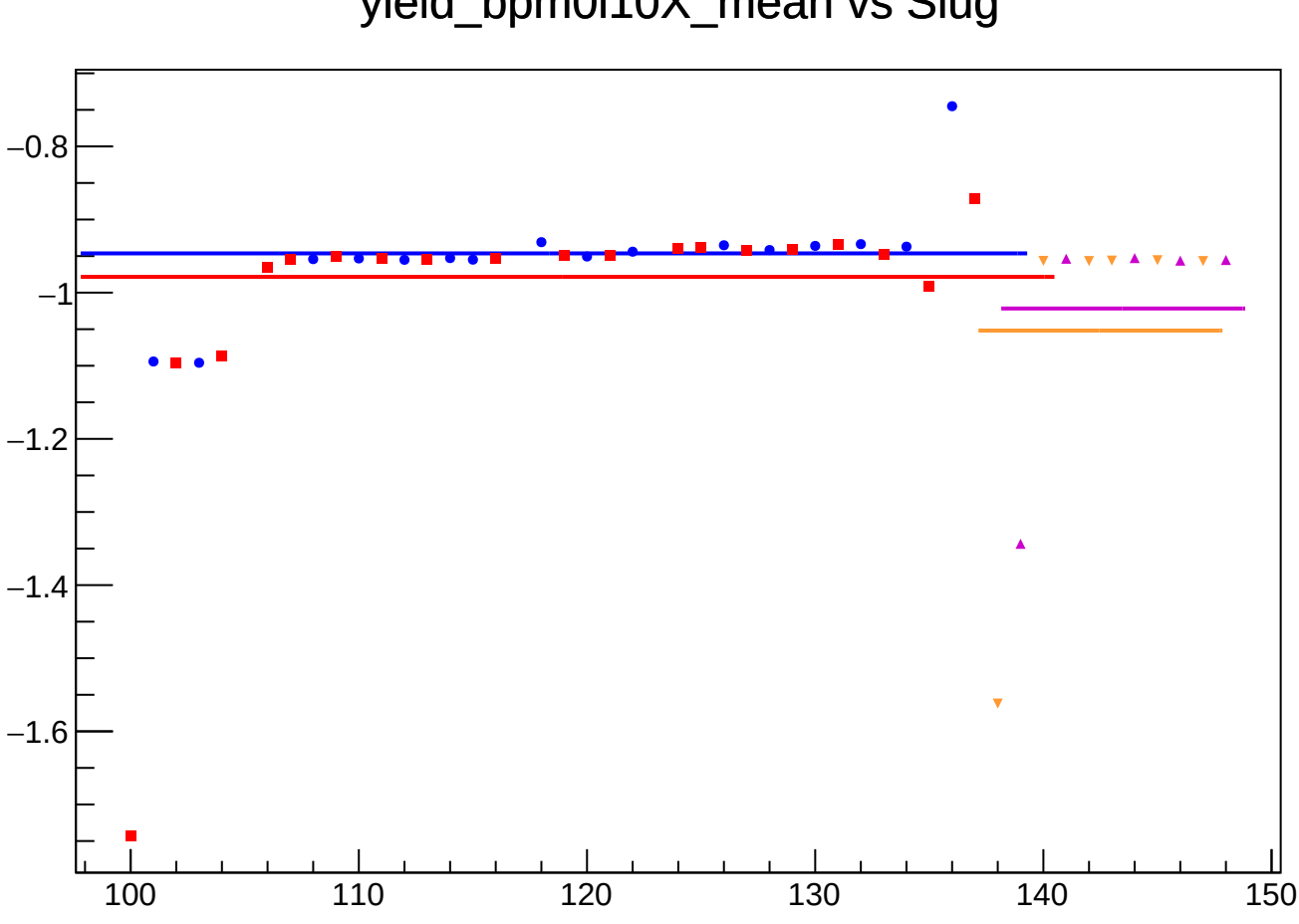
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:46283.7/4

+ sign 0.004+/-0.000 χ^2/NDF: 1103304.7/21

All: 0.004+/-0.000 χ^2/NDF: 2357162.5/45

- sign 0.004+/-0.000 χ^2/NDF: 1243971.0/23



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

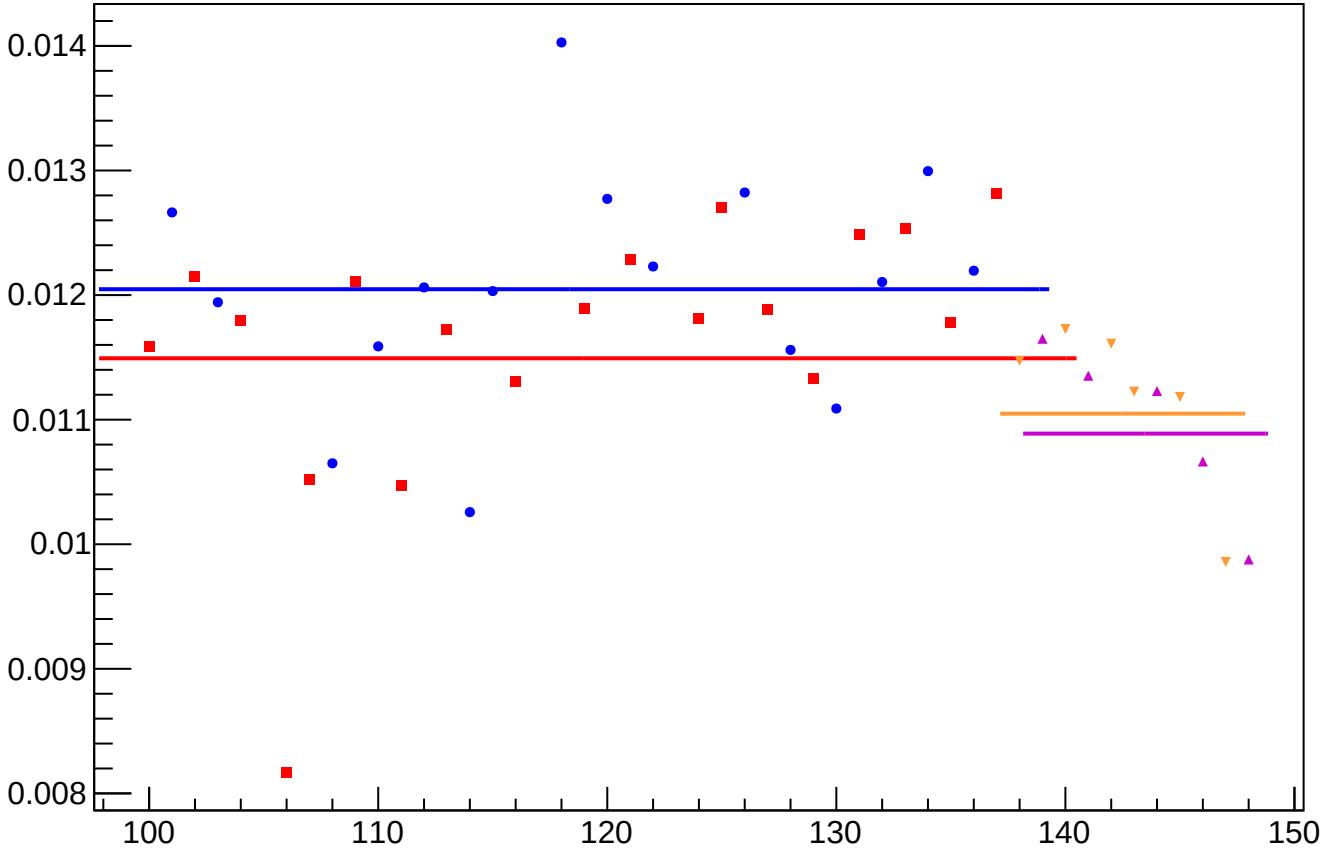
Left In: -1.022+/-0.000 χ^2/NDF:751326648.6/4

+ sign -0.991+/-0.000 χ^2/NDF: 2313018574.6/21

All: -0.993+/-0.000 χ^2/NDF: 3565888362.5/4

- sign -0.995+/-0.000 χ^2/NDF: 1252024050.6/23

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

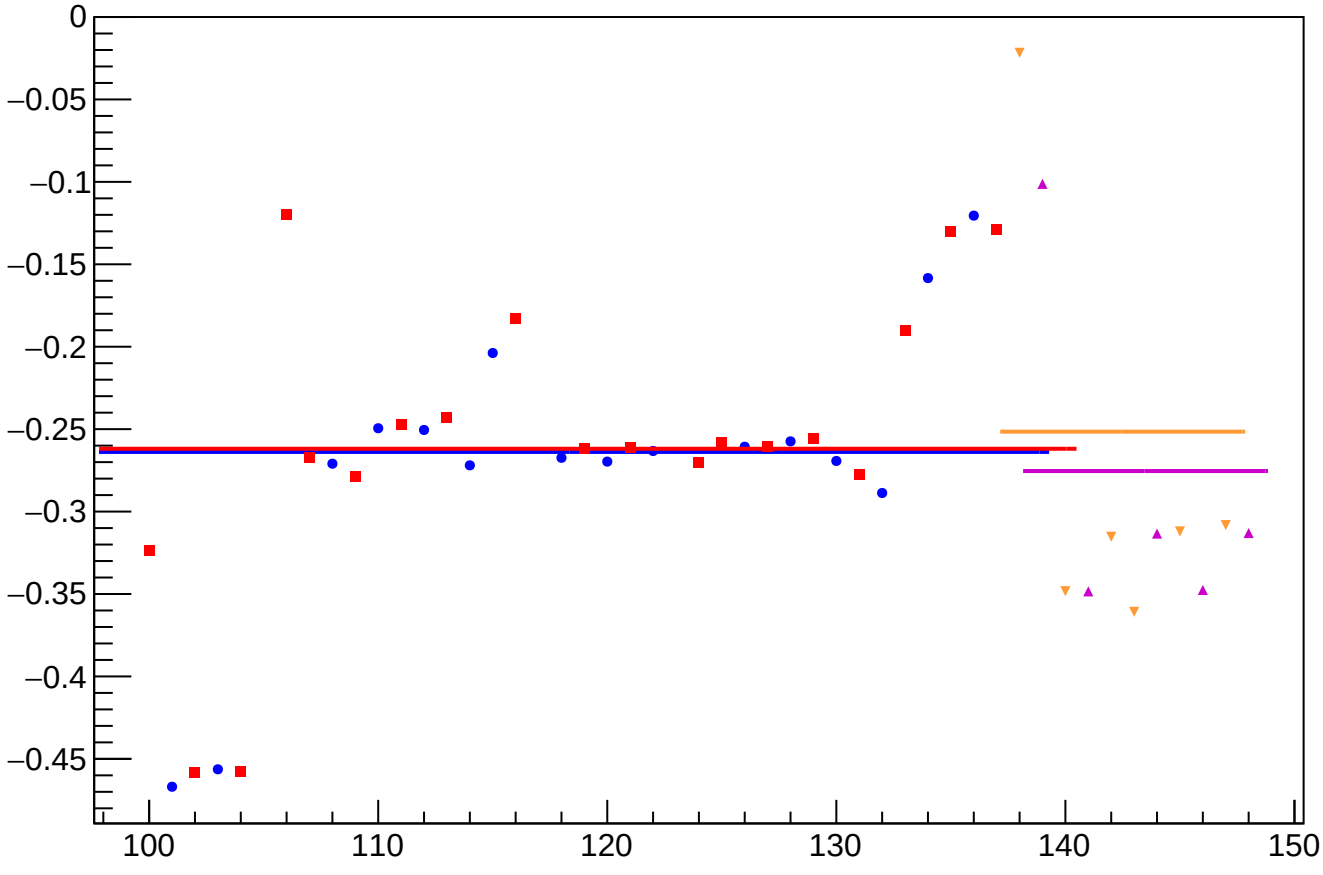
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:28830.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 135331.5/21

All: 0.011+/-0.000 χ^2/NDF: 342565.7/45

- sign 0.011+/-0.000 χ^2/NDF: 195624.2/23



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

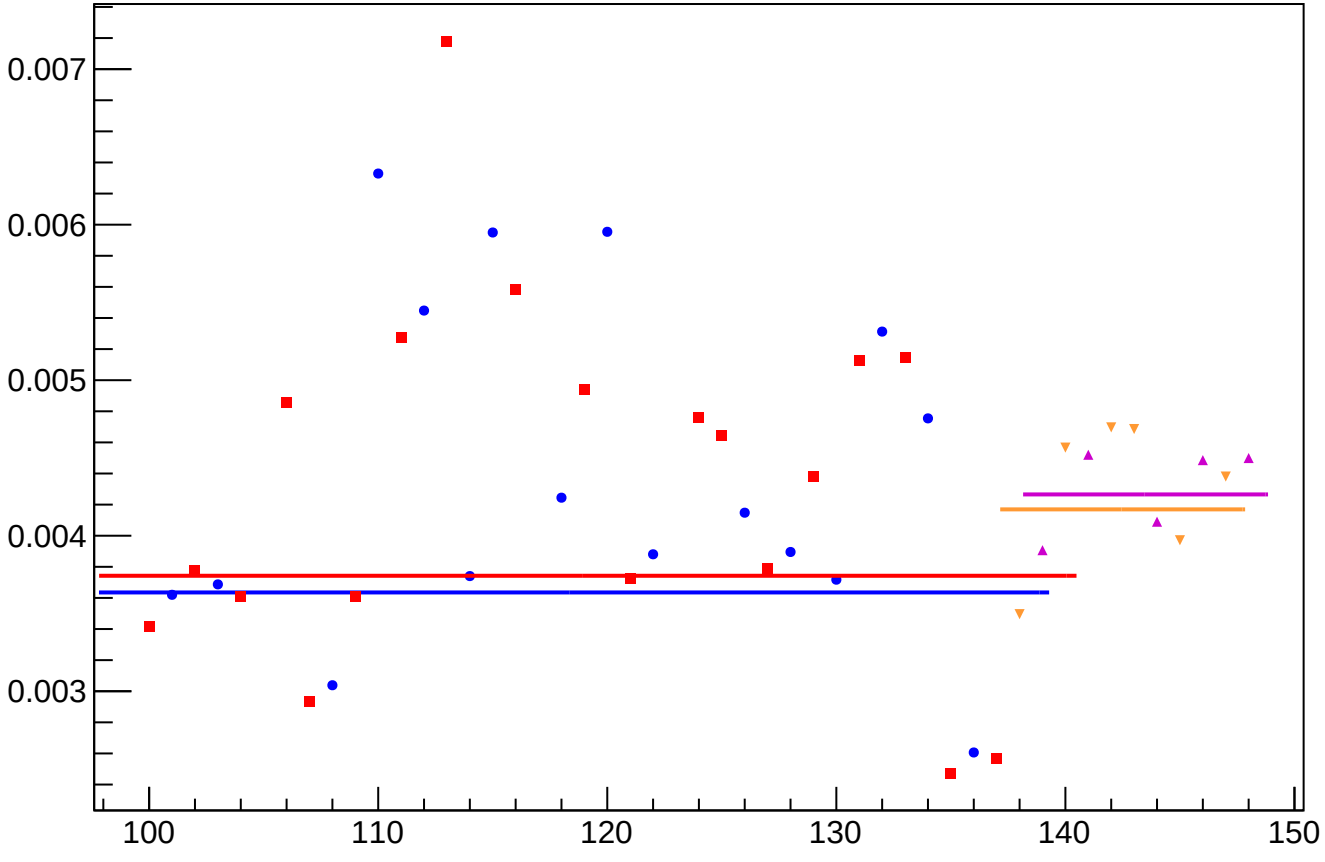
Left In: -0.275+/-0.000 χ^2/NDF:1973134422.0/4

+ sign -0.260+/-0.000 χ^2/NDF: 10039800837.6/21

All: -0.263+/-0.000 χ^2/NDF: 17302274200.0/

- sign -0.266+/-0.000 χ^2/NDF: 7248540948.6/23

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

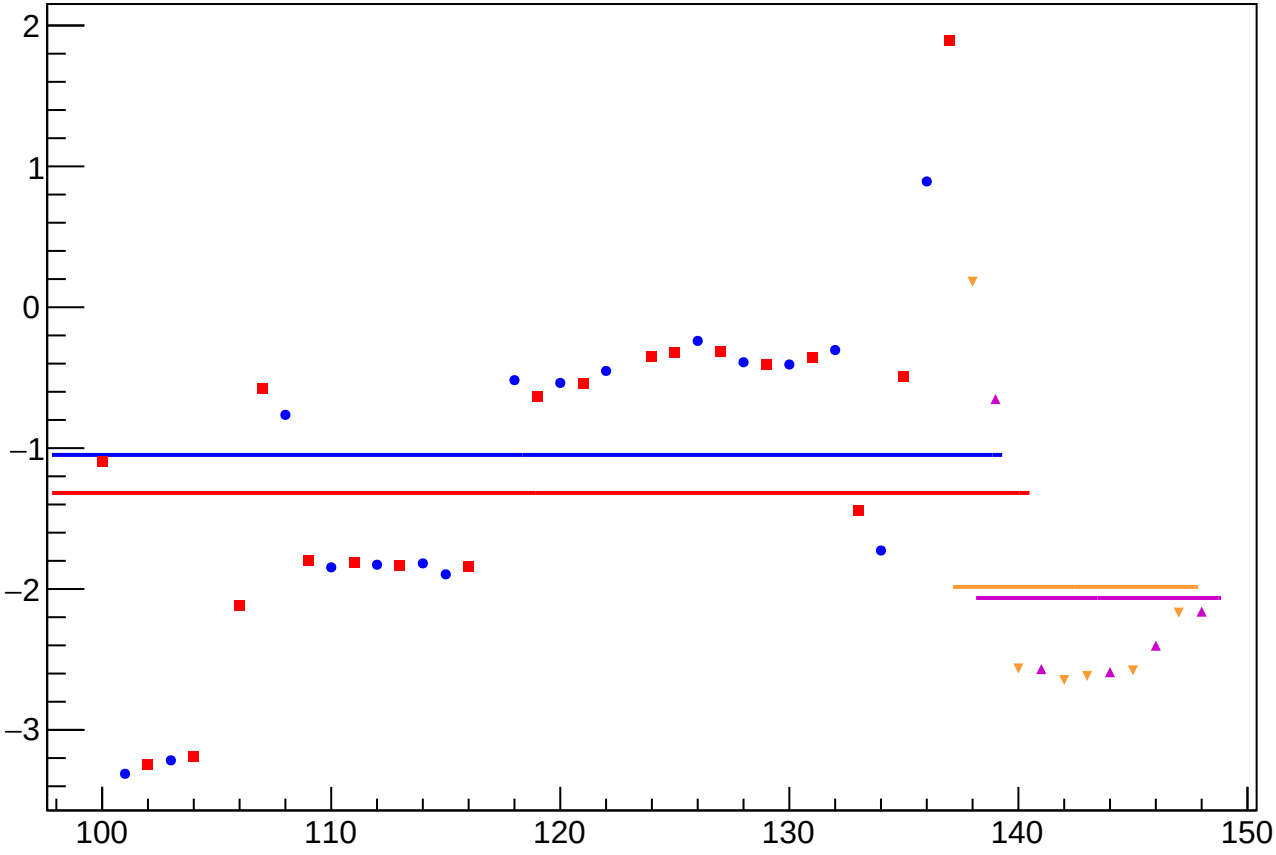
Left In: 0.004+/-0.000 χ^2/NDF:27625.9/4

+ sign 0.004+/-0.000 χ^2/NDF: 905062.6/21

All: 0.004+/-0.000 χ^2/NDF: 1909001.5/45

- sign 0.004+/-0.000 χ^2/NDF: 997829.3/23

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

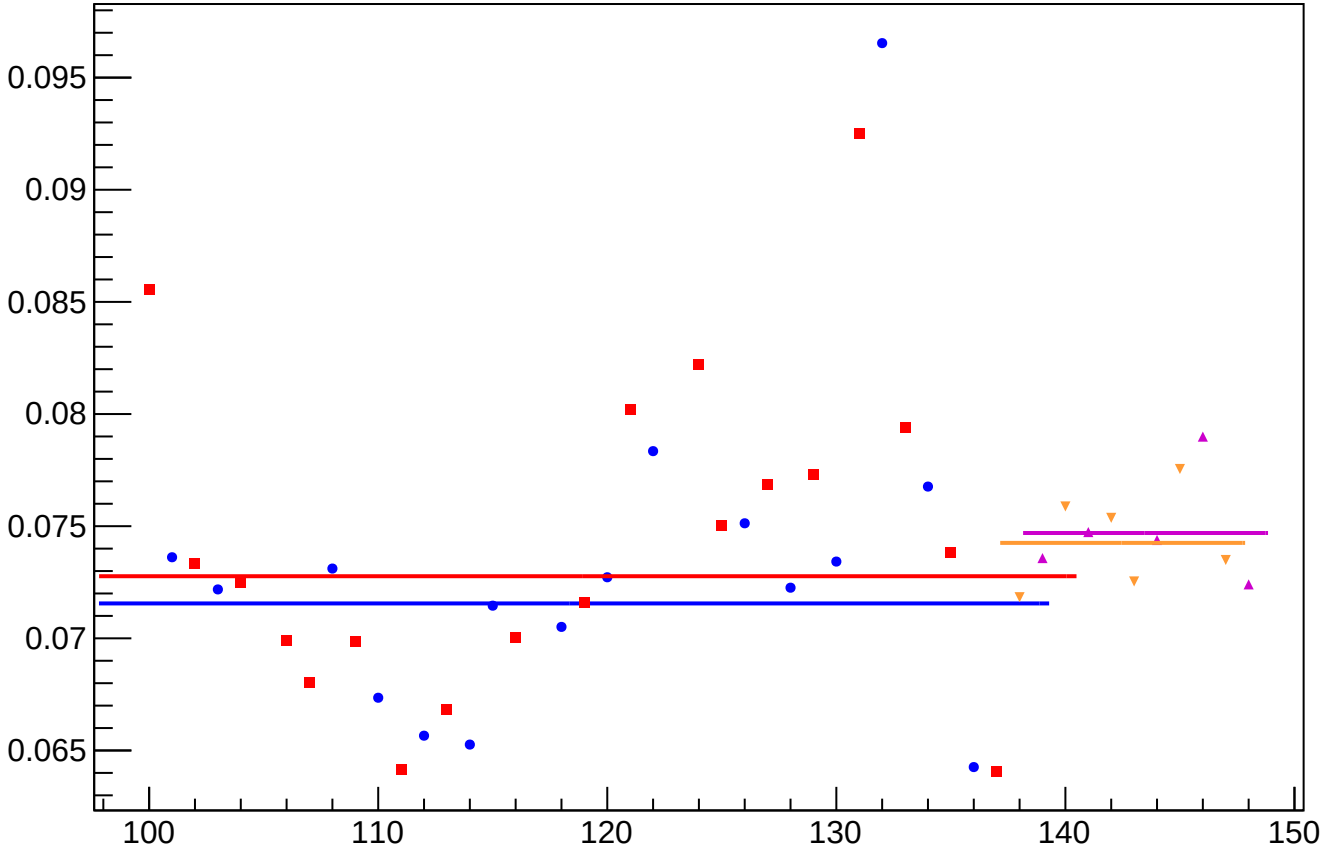
Left In: -2.064+/-0.000 χ^2/NDF:409371932.7/4

+ sign -1.391+/-0.000 χ^2/NDF: 3681142845.7/21

All: -1.486+/-0.000 χ^2/NDF: 6247983045.6/4

- sign -1.582+/-0.000 χ^2/NDF: 2527634916.9/23

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

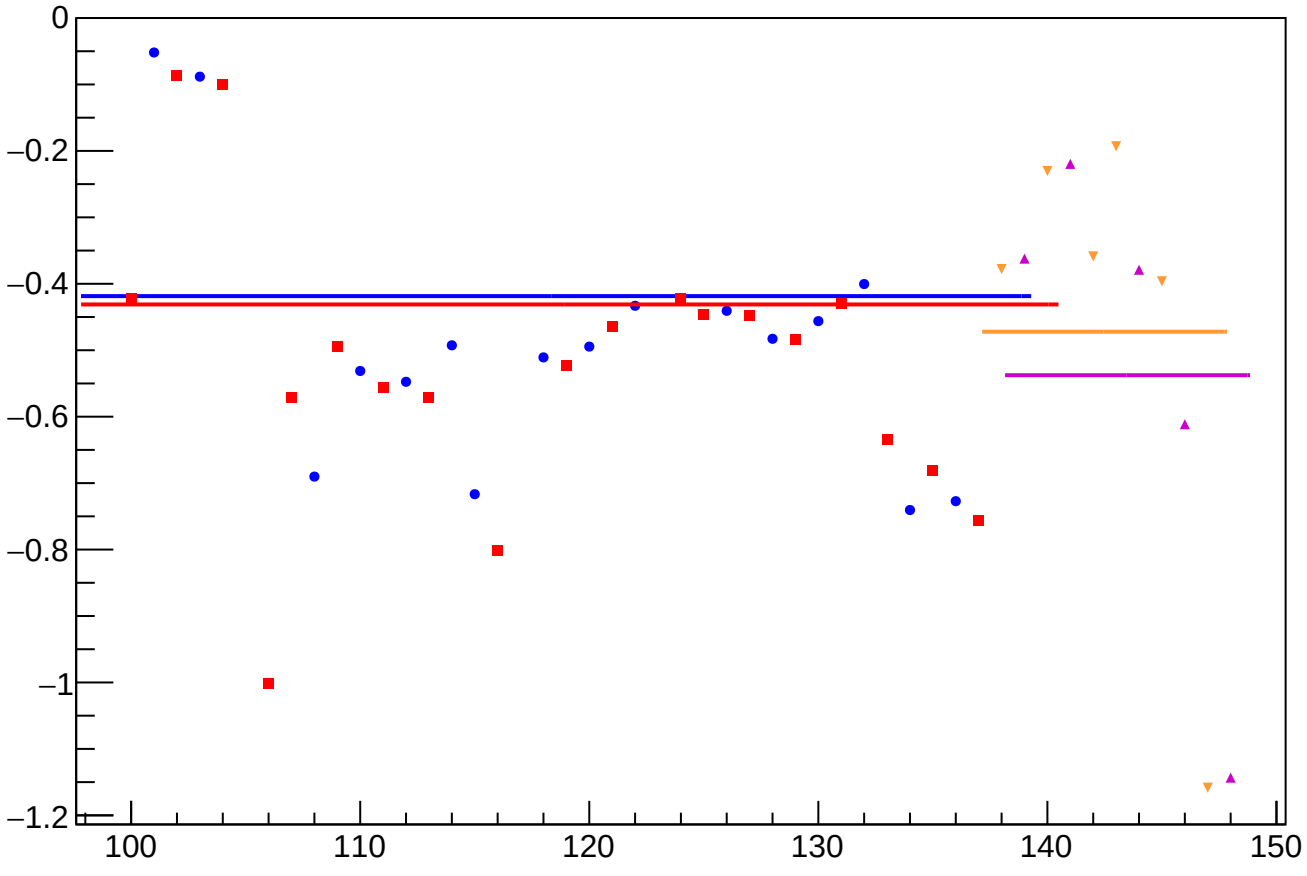
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6961.0/4

+ sign 0.073+/-0.000 χ^2/NDF: 115085.0/21

All: 0.073+/-0.000 χ^2/NDF: 224299.4/45

- sign 0.073+/-0.000 χ^2/NDF: 107446.5/23



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

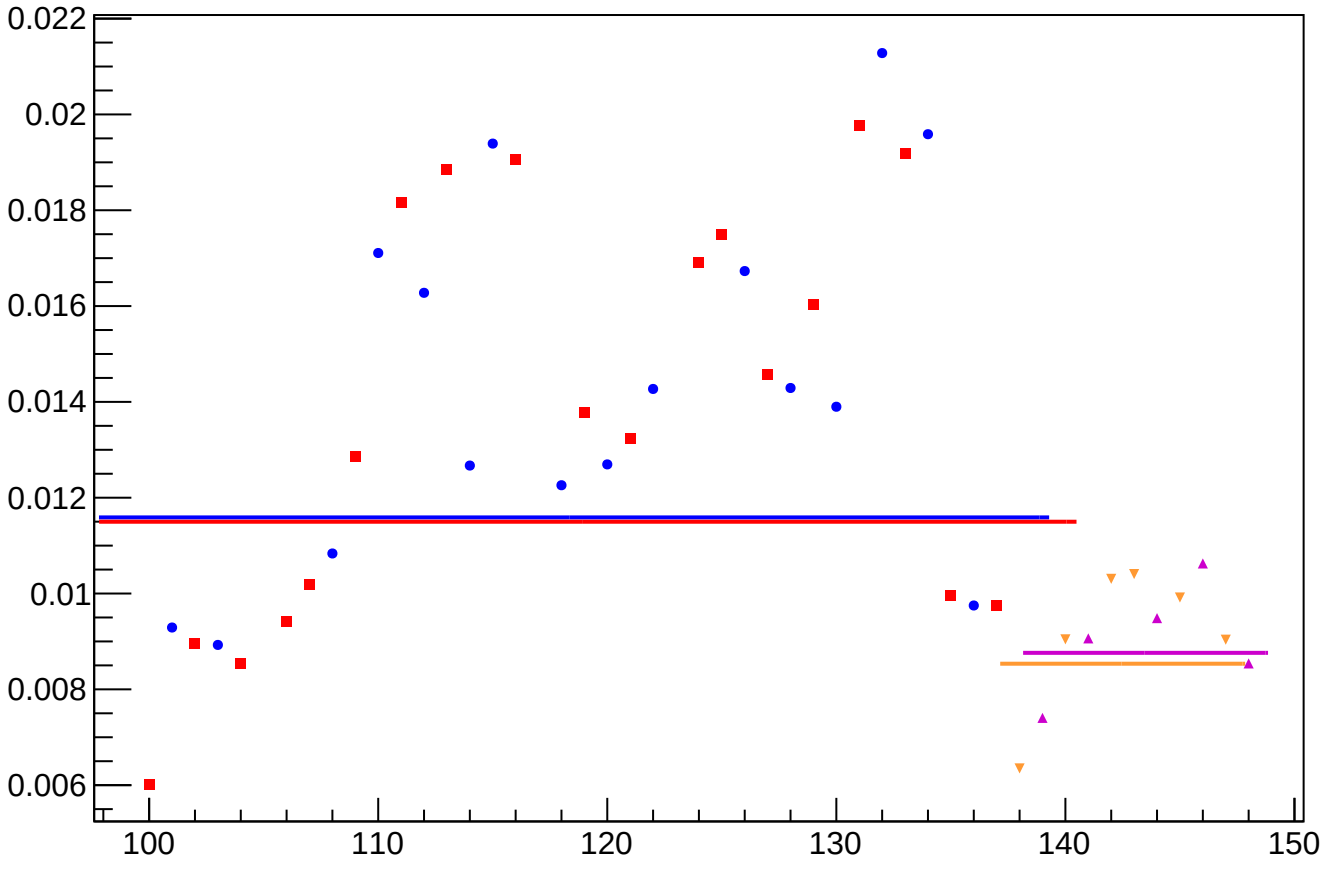
Left In: -0.538+/-0.000 χ^2/NDF:5547886303.5/4

+ sign -0.448+/-0.000 χ^2/NDF: 8859571628.6/21

All: -0.467+/-0.000 χ^2/NDF: 17946920248.6/

- sign -0.487+/-0.000 χ^2/NDF: 9013897640.7/23

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

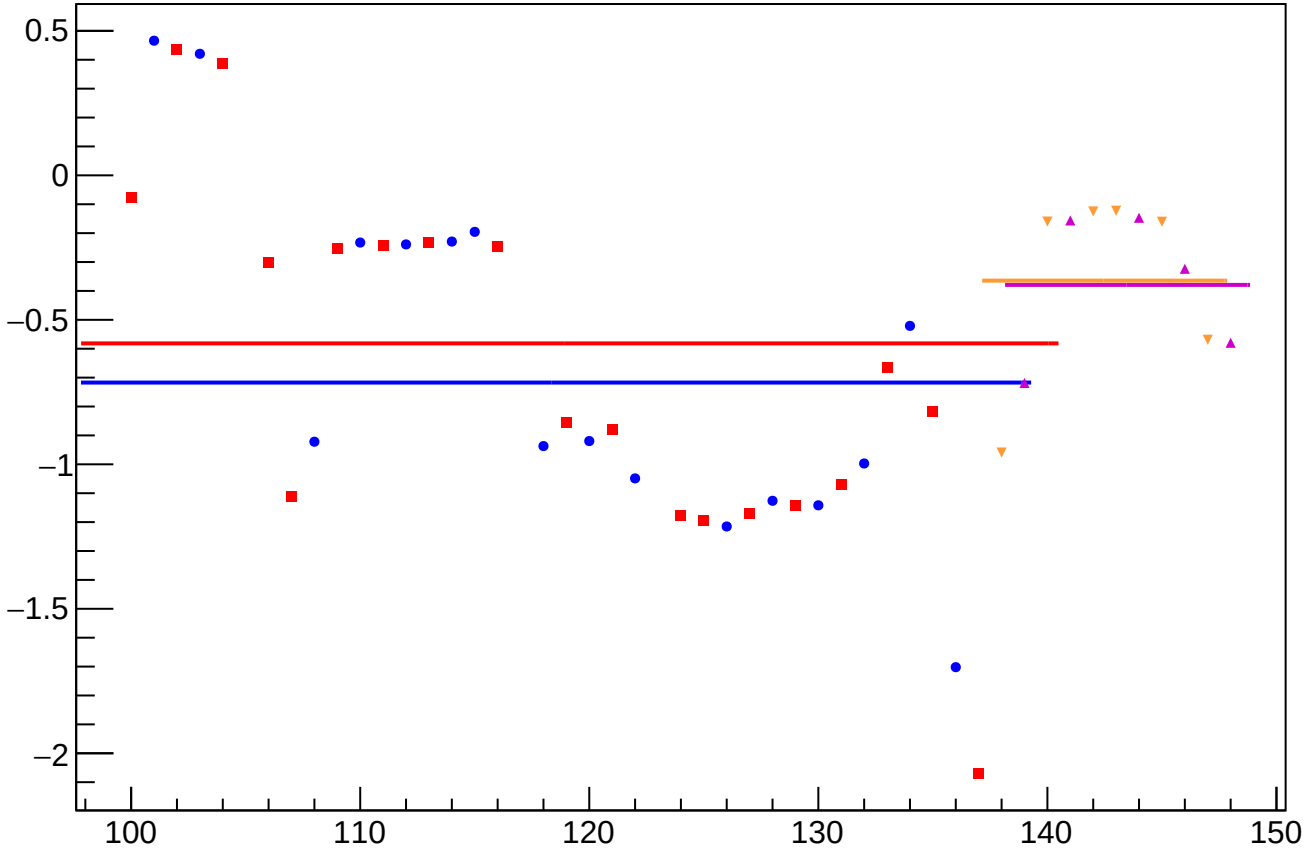
Left In: 0.009+/-0.000 χ^2/NDF:110000.9/4

+ sign 0.010+/-0.000 χ^2/NDF: 1510484.6/21

All: 0.010+/-0.000 χ^2/NDF: 3143043.1/45

- sign 0.010+/-0.000 χ^2/NDF: 1630574.4/23

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

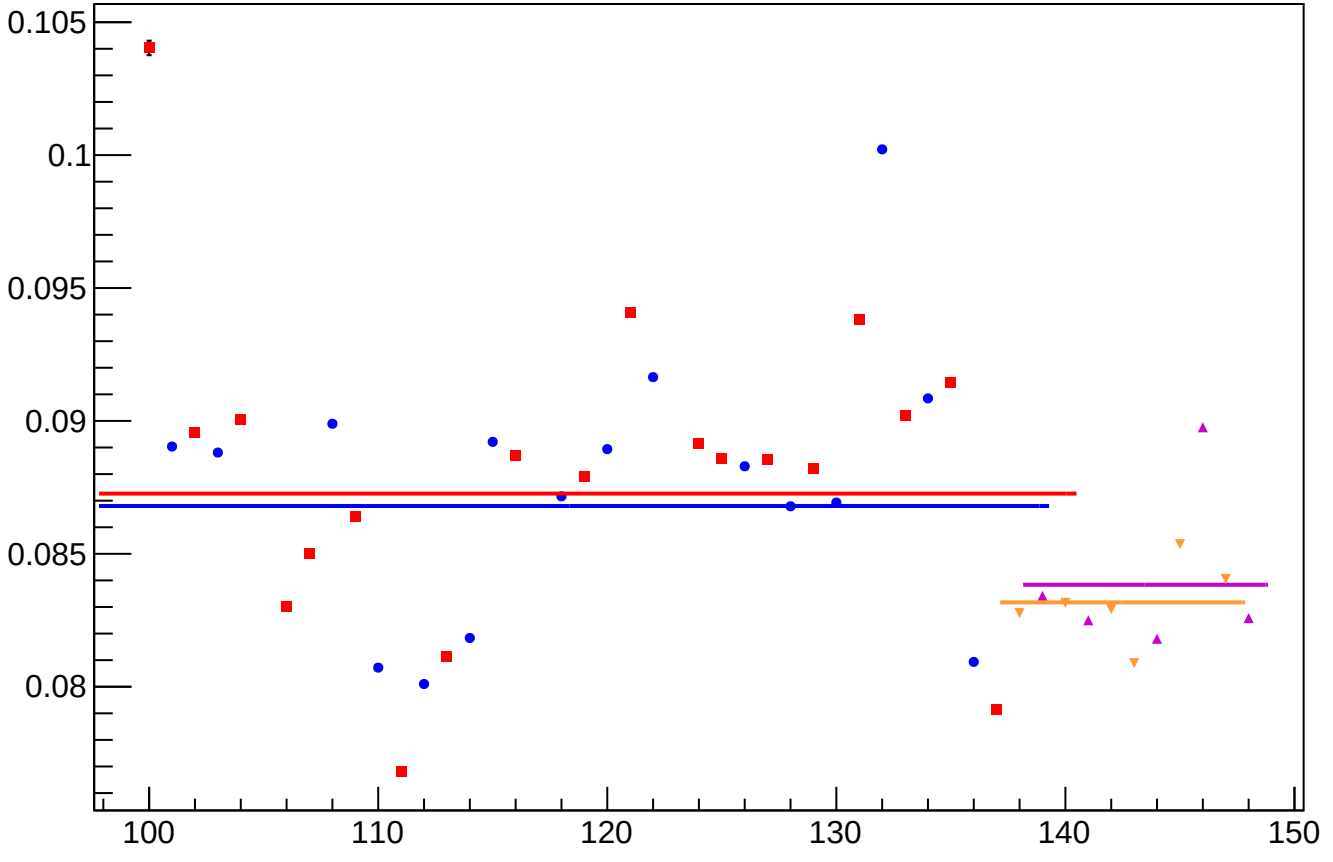
Left In: -0.379+/-0.000 χ^2/NDF:32778263.9/4

+ sign -0.575+/-0.000 χ^2/NDF: 550767667.5/21

All: -0.539+/-0.000 χ^2/NDF: 945073961.0/45

- sign -0.503+/-0.000 χ^2/NDF: 390280679.9/23

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

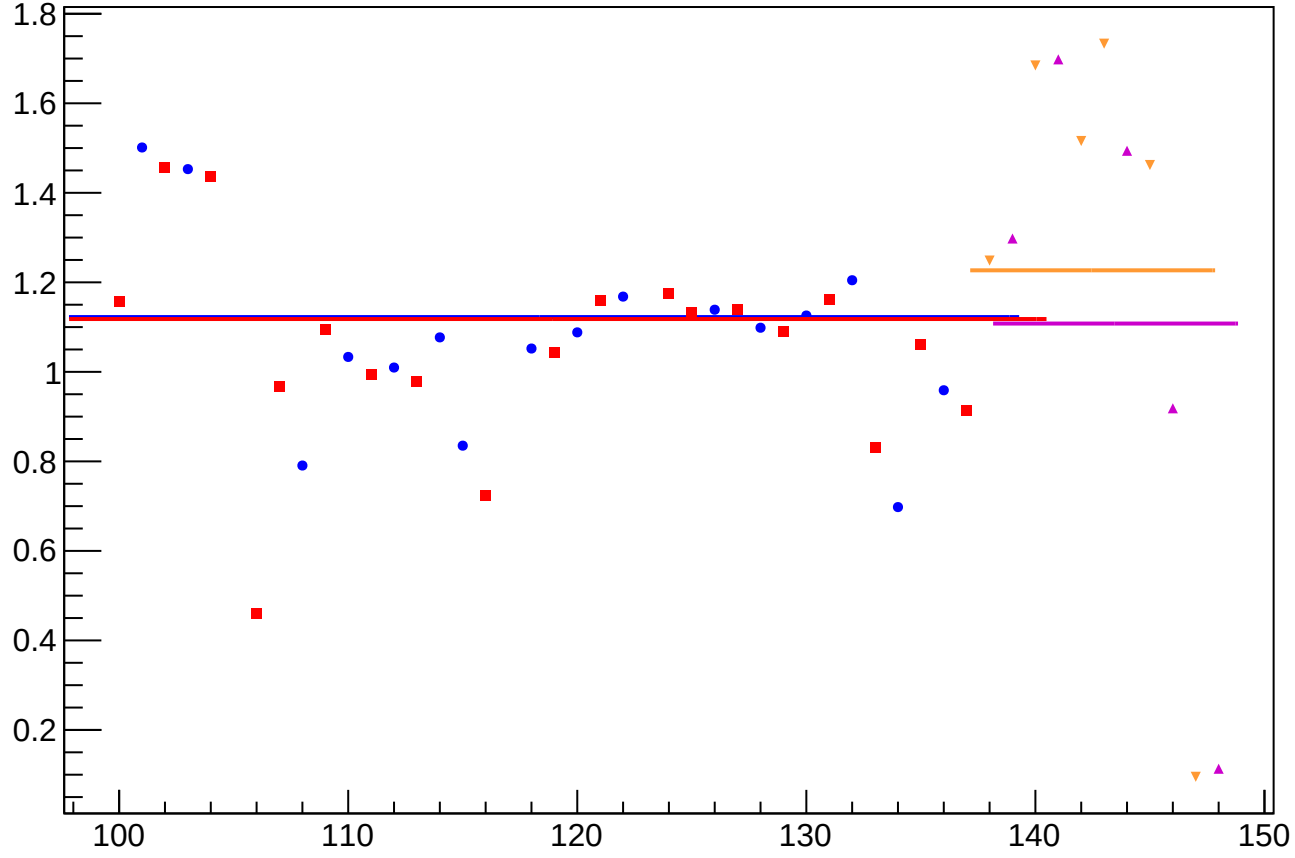
Left In: 0.084+/-0.000 χ^2/NDF:9626.1/4

+ sign 0.085+/-0.000 χ^2/NDF: 56246.3/21

All: 0.086+/-0.000 χ^2/NDF: 121499.3/45

- sign 0.086+/-0.000 χ^2/NDF: 64660.3/23

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

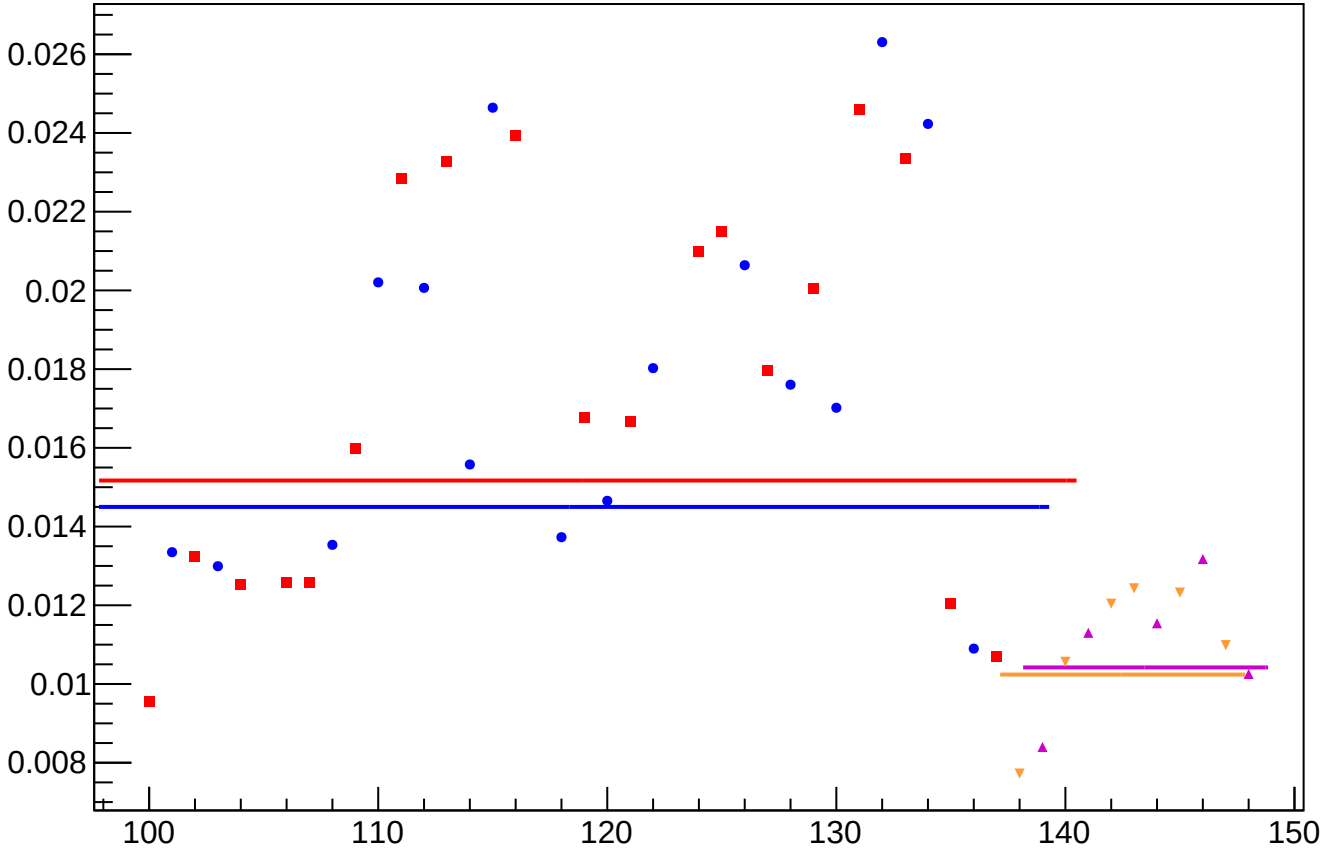
Left In: 1.108+/-0.000 χ^2/NDF:10861720690.8/4

+ sign 1.182+/-0.000 χ^2/NDF: 12968408445.6/21

All: 1.148+/-0.000 χ^2/NDF: 25556495115.1/4

- sign 1.112+/-0.000 χ^2/NDF: 12433542093.6/23

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

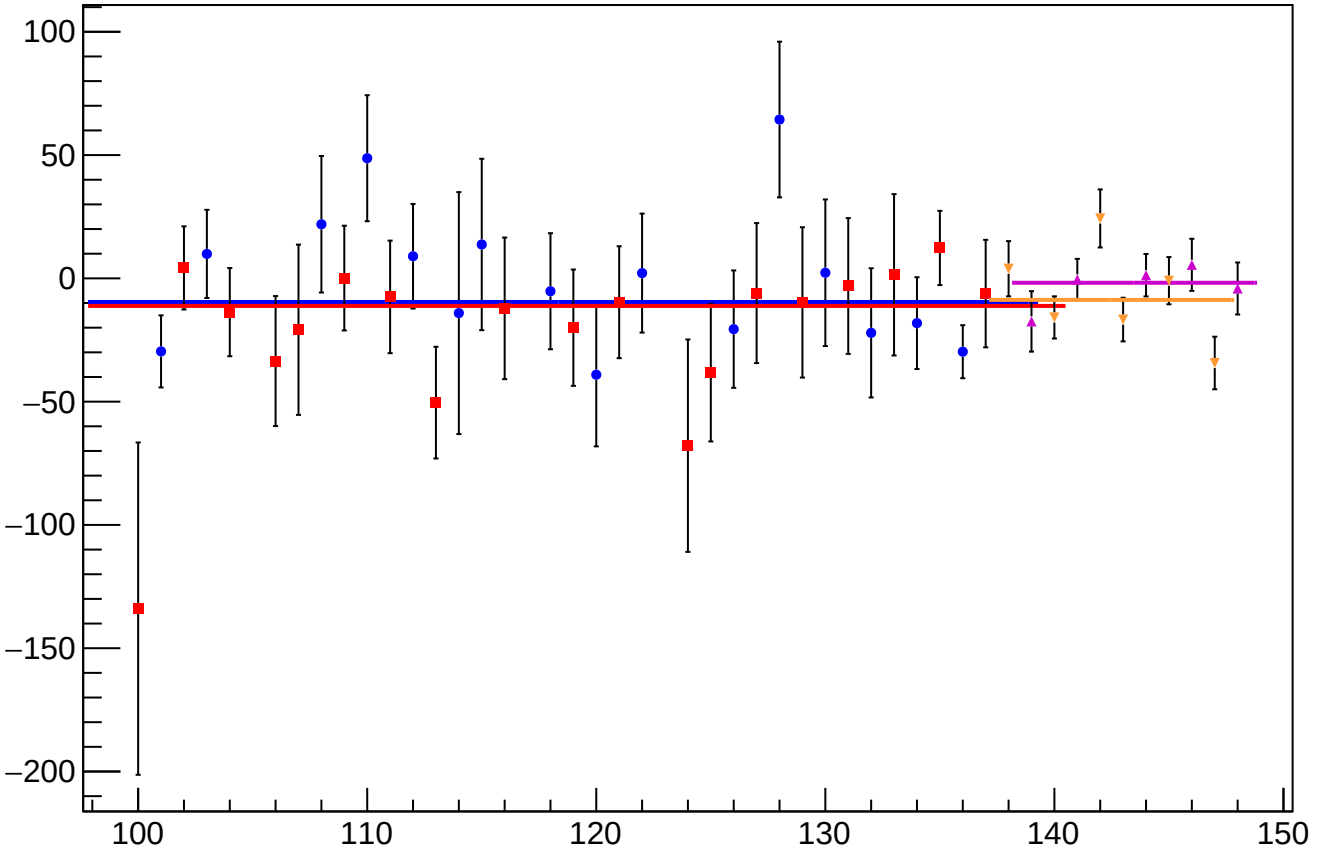
Left In: 0.010+/-0.000 χ^2/NDF:182181.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 1568379.7/21

All: 0.012+/-0.000 χ^2/NDF: 3308902.9/45

- sign 0.012+/-0.000 χ^2/NDF: 1730493.4/23

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

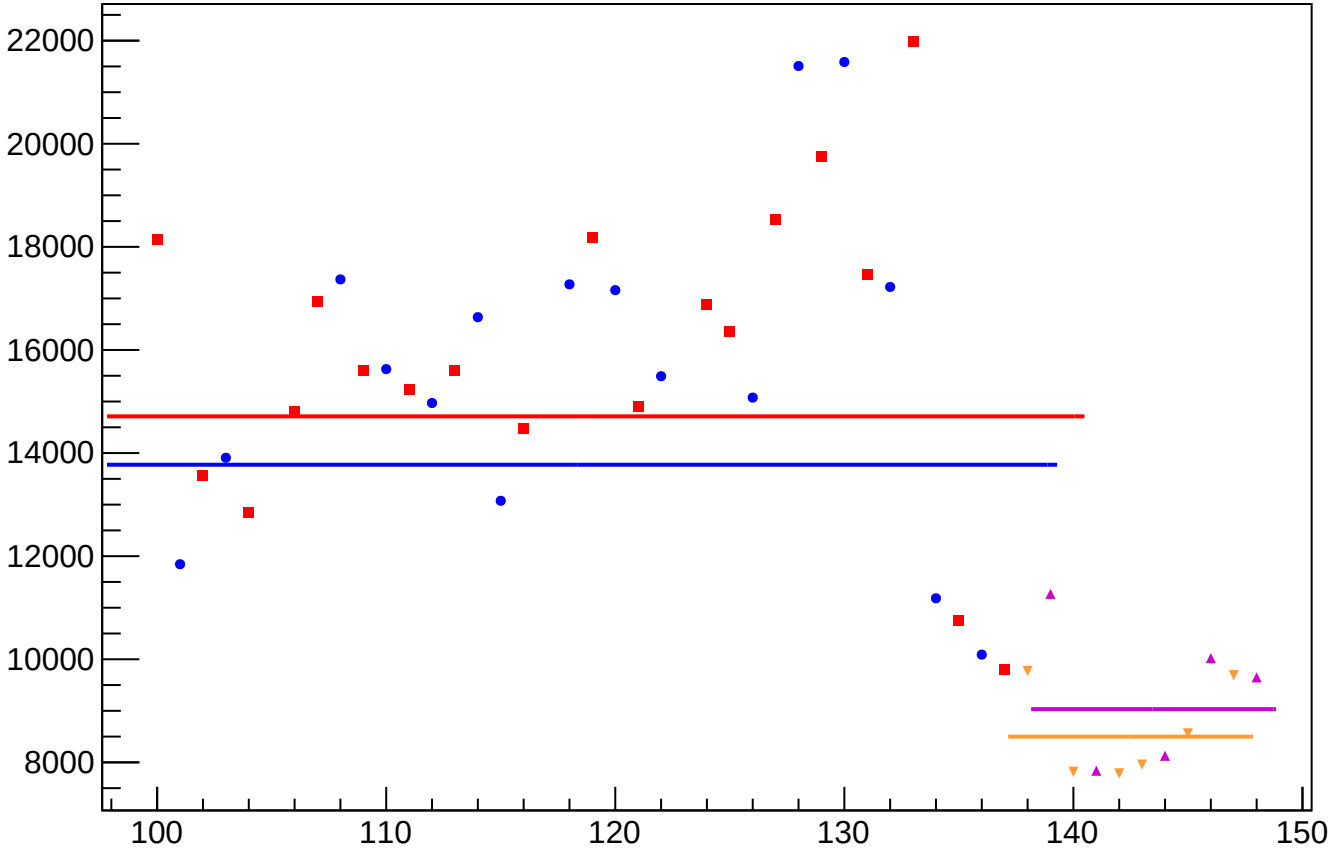
Left In: -1.786+/-4.369 χ^2/NDF:2.3/4

+ sign -9.042+/-3.210 χ^2/NDF: 39.0/21

All: -7.347+/-2.341 χ^2/NDF: 57.6/45

- sign -5.422+/-3.421 χ^2/NDF: 18.0/23

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

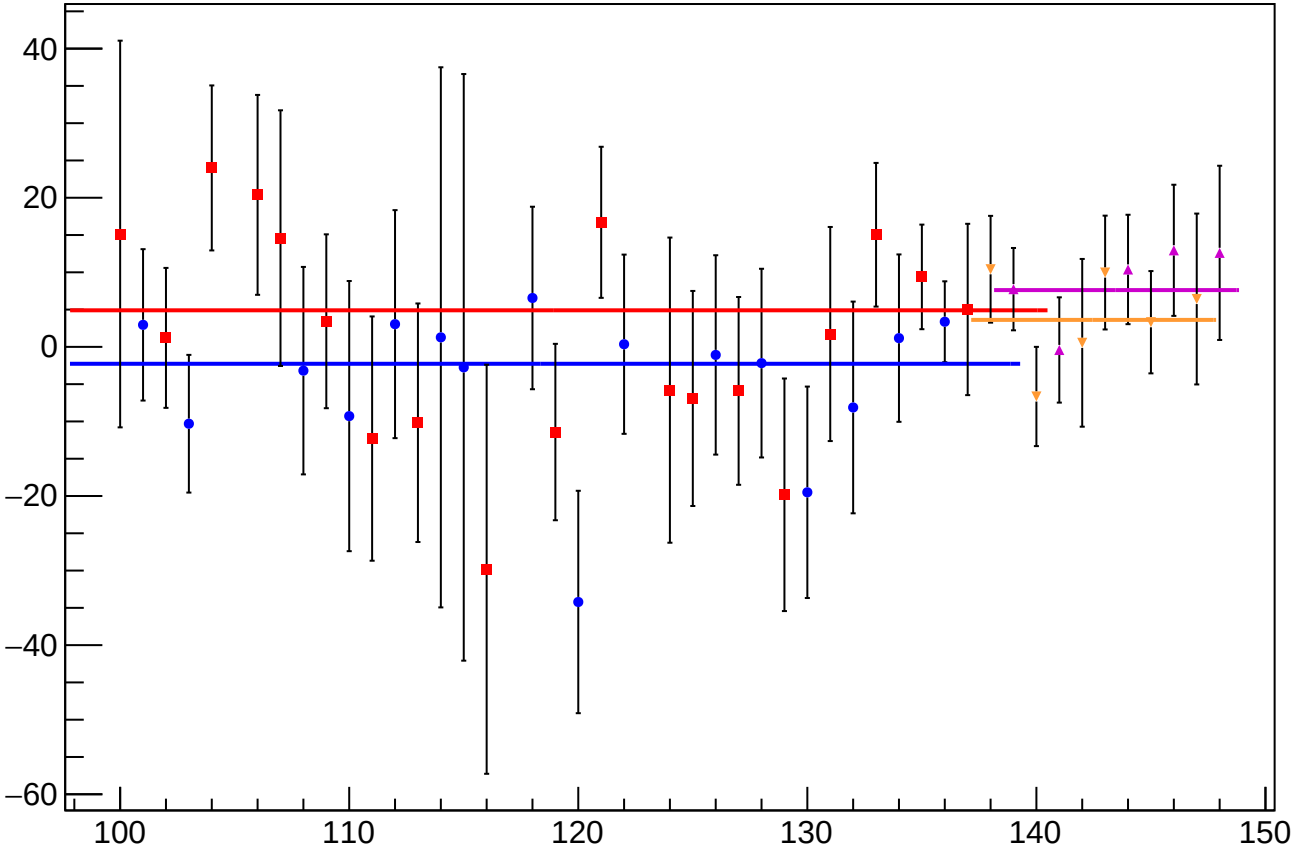
Left In: 9032.959+/-3.090 χ^2/NDF:153817.2/4

+ sign 10440.674+/-2.270 χ^2/NDF: 2082318.2/21

All: 10811.144+/-1.655 χ^2/NDF: 4158516.8/4

- sign 11231.829+/-2.419 χ^2/NDF: 2019305.3/23

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

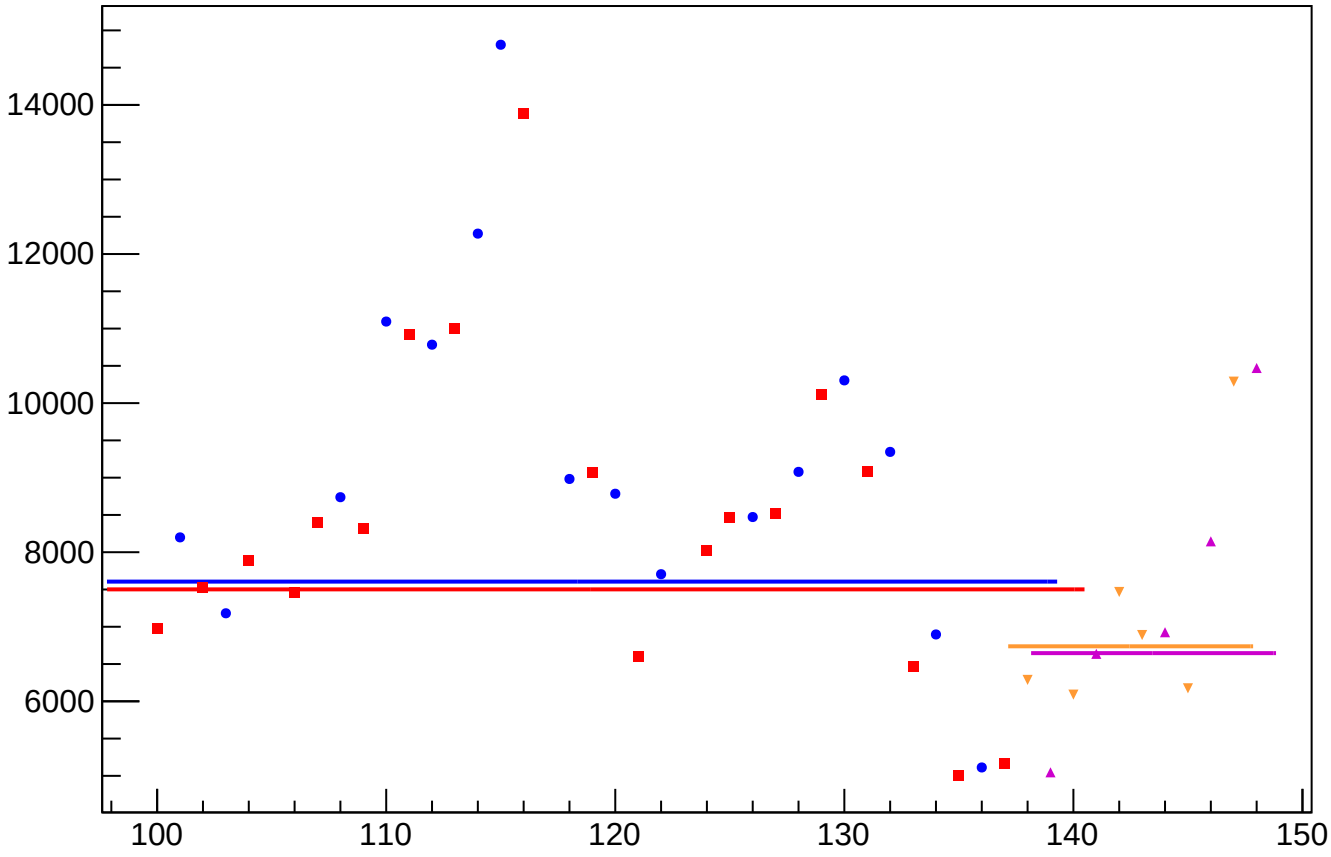
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 7.616+/-3.302 χ^2/NDF:2.0/4

+ sign 0.384+/-2.166 χ^2/NDF: 15.2/21

All: 3.239+/-1.526 χ^2/NDF: 38.6/45

- sign 6.055+/-2.151 χ^2/NDF: 20.0/23



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6737.717+/-2.282 χ^2/NDF:241612.3/5

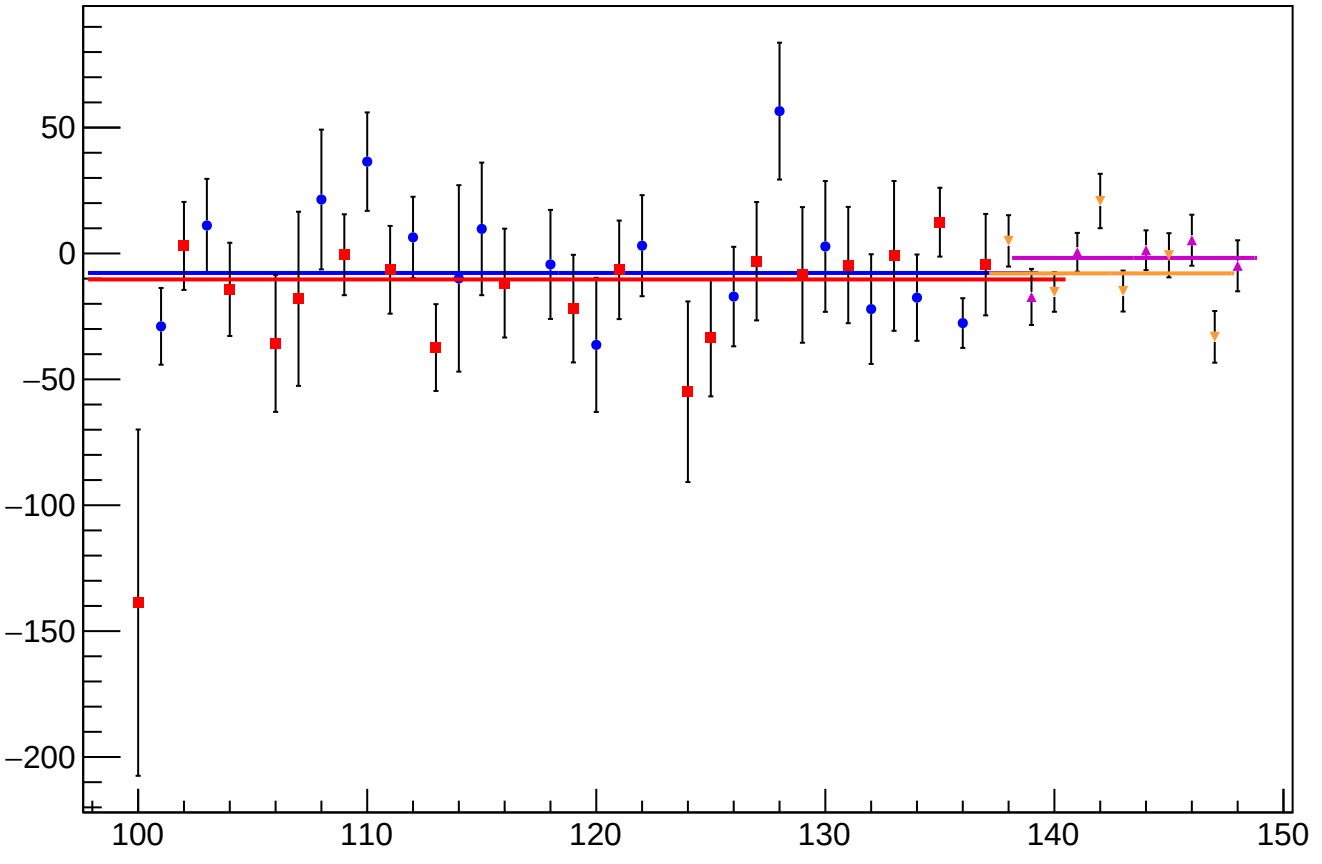
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6646.225+/-2.335 χ^2/NDF:443220.6/4

+ sign 7214.644+/-1.532 χ^2/NDF: 1212613.9/21

All: 7176.306+/-1.079 χ^2/NDF: 2557853.6/45

- sign 7138.480+/-1.521 χ^2/NDF: 1343994.8/23



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

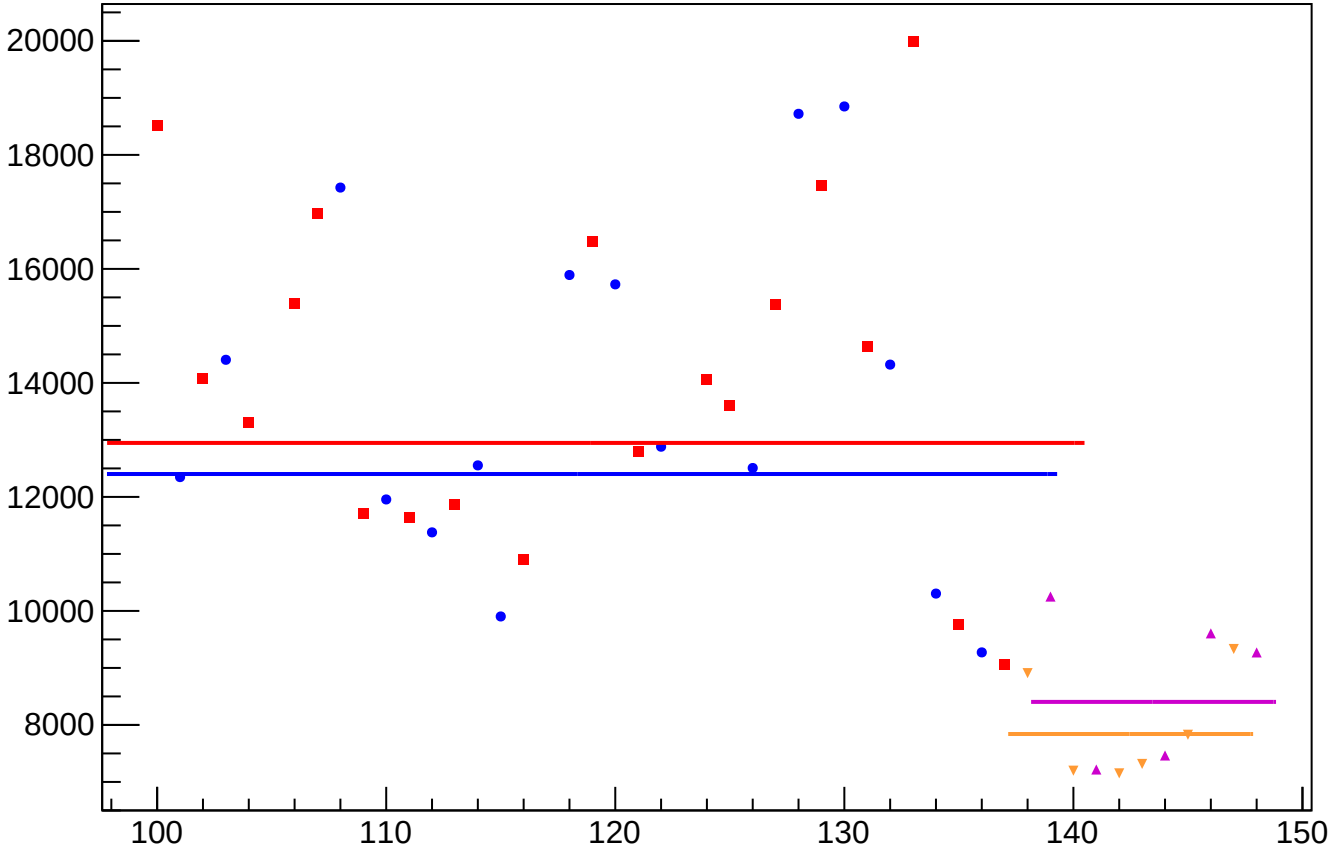
Left In: -1.771+/-4.070 χ^2/NDF:2.7/4

+ sign -7.846+/-2.933 χ^2/NDF: 39.7/21

All: -6.652+/-2.135 χ^2/NDF: 58.5/45

- sign -5.307+/-3.115 χ^2/NDF: 18.5/23

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

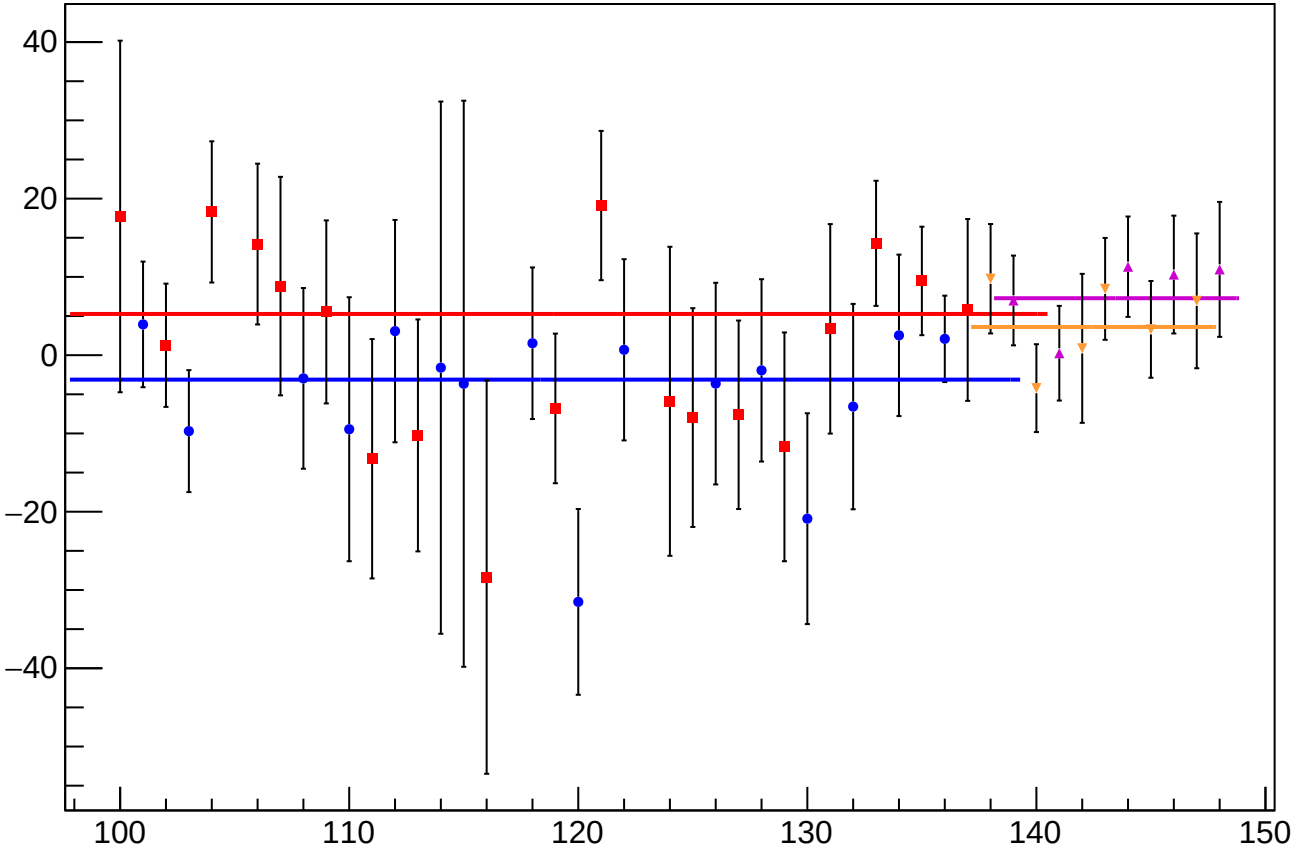
Left In: 8404.126+/-2.878 χ^2/NDF:173454.2/4

+ sign 9581.285+/-2.074 χ^2/NDF: 1913404.9/21

All: 9912.455+/-1.510 χ^2/NDF: 3728696.8/45

- sign 10285.934+/-2.202 χ^2/NDF: 1761040.6/23

diff_bpm4eY_mean vs Slug



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

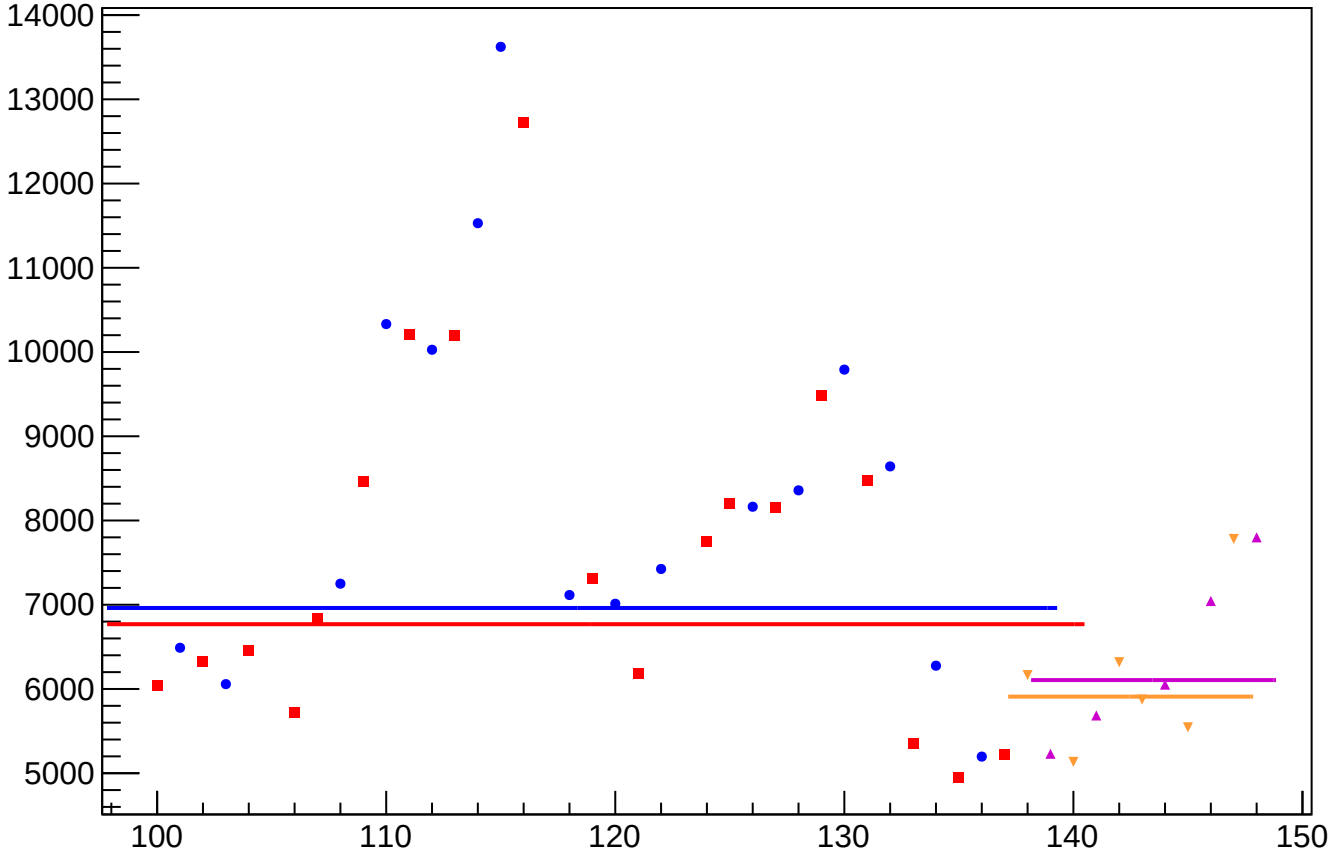
Left In: 7.276+/-2.972 χ^2/NDF:2.1/4

+ sign 0.048+/-1.930 χ^2/NDF: 17.4/21

All: 3.074+/-1.367 χ^2/NDF: 41.6/45

- sign 6.119+/-1.937 χ^2/NDF: 19.3/23

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

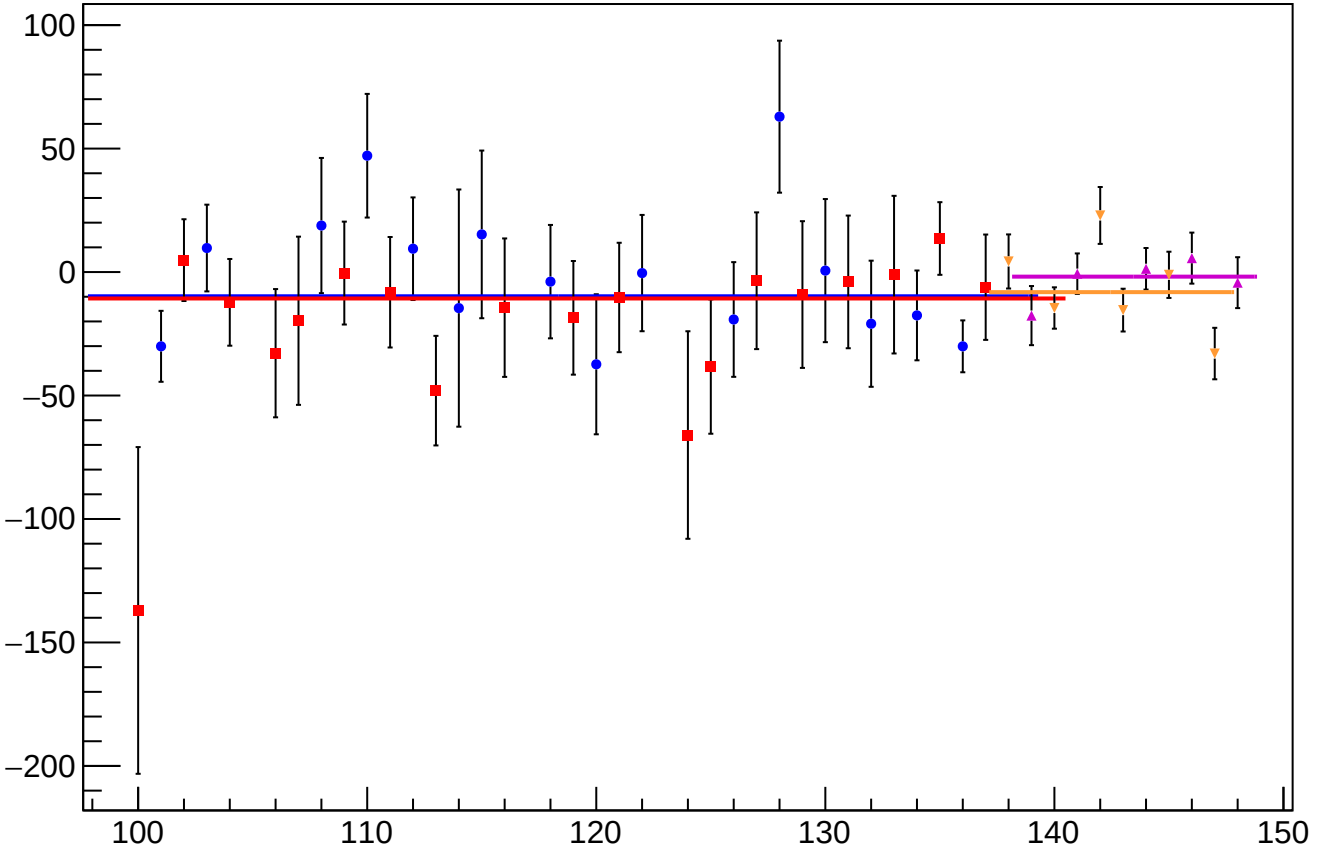
Left In: 6105.597+/-2.102 χ^2/NDF:164739.1/4

+ sign 6465.308+/-1.365 χ^2/NDF: 990438.8/21

All: 6476.295+/-0.967 χ^2/NDF: 2010742.3/45

- sign 6487.354+/-1.369 χ^2/NDF: 1020173.5/23

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

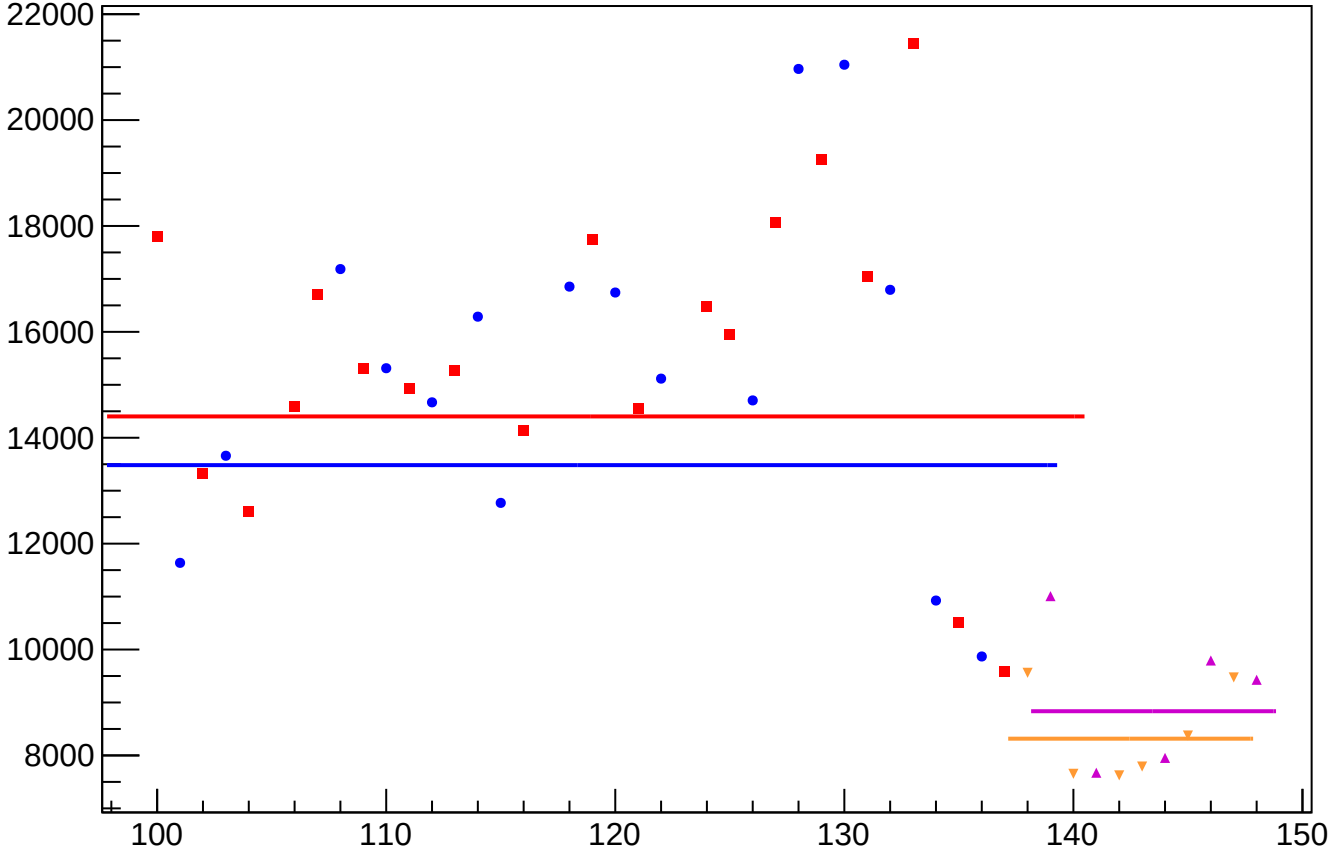
Left In: -1.858+/-4.273 χ^2/NDF:2.5/4

+ sign -8.750+/-3.141 χ^2/NDF: 38.2/21

All: -7.124+/-2.290 χ^2/NDF: 57.2/45

- sign -5.279+/-3.346 χ^2/NDF: 18.5/23

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

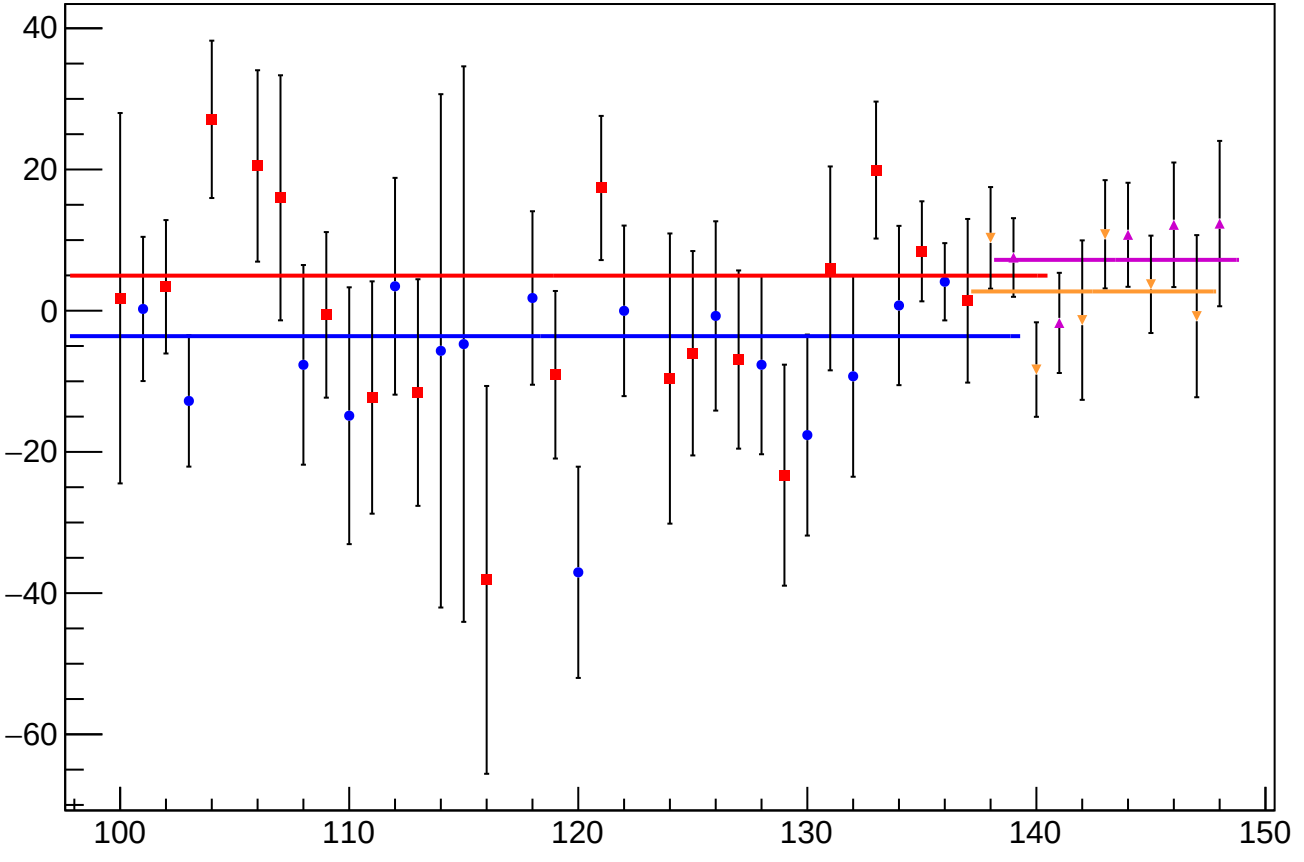
Left In: 8834.943+/-3.021 χ^2/NDF:151901.0/4

+ sign 10217.405+/-2.221 χ^2/NDF: 2079834.8/21

All: 10578.488+/-1.619 χ^2/NDF: 4153882.0/4

- sign 10988.306+/-2.366 χ^2/NDF: 2017615.8/23

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

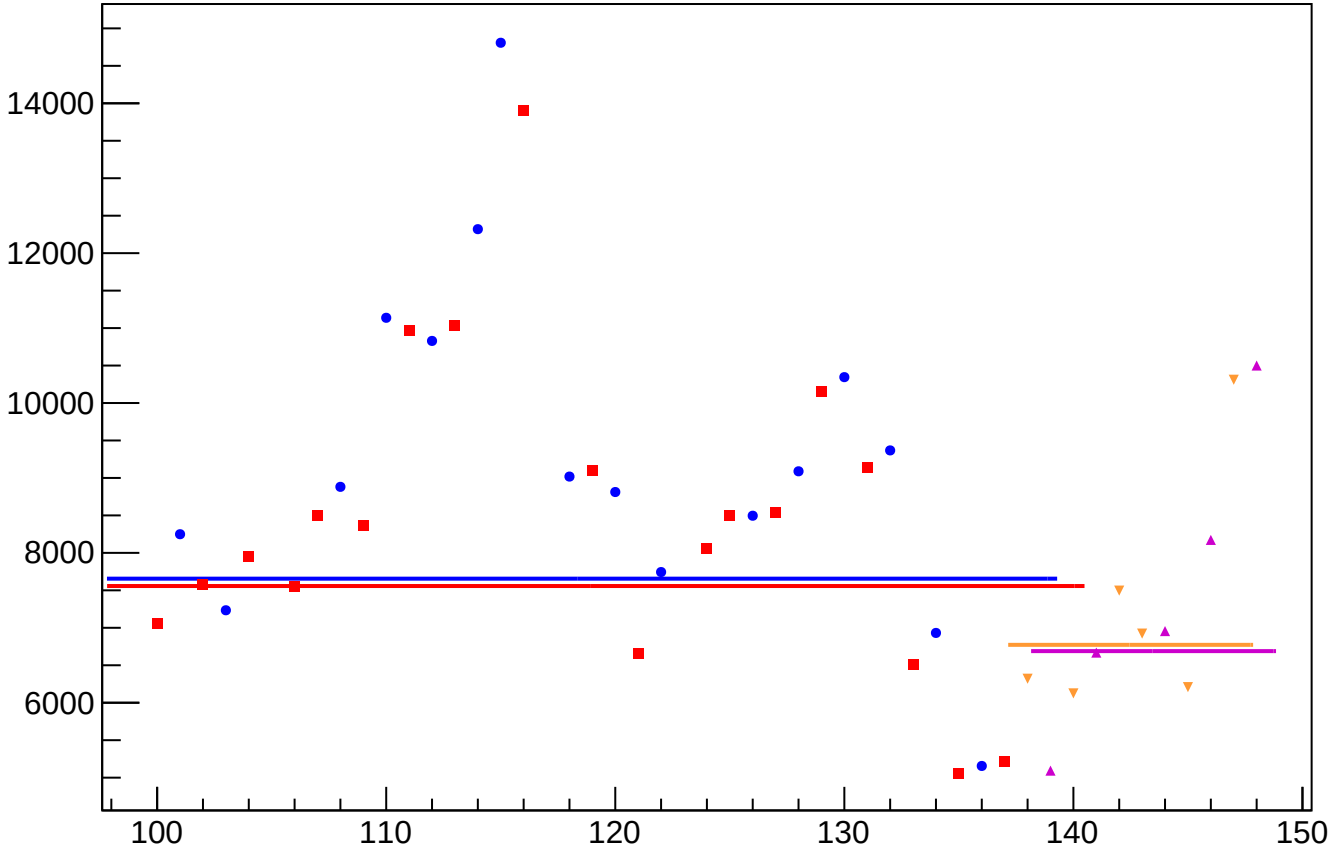
Left In: 7.201+/-3.321 χ^2/NDF:2.3/4

+ sign -0.749+/-2.178 χ^2/NDF: 17.8/21

All: 2.603+/-1.536 χ^2/NDF: 46.5/45

- sign 5.916+/-2.165 χ^2/NDF: 24.0/23

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

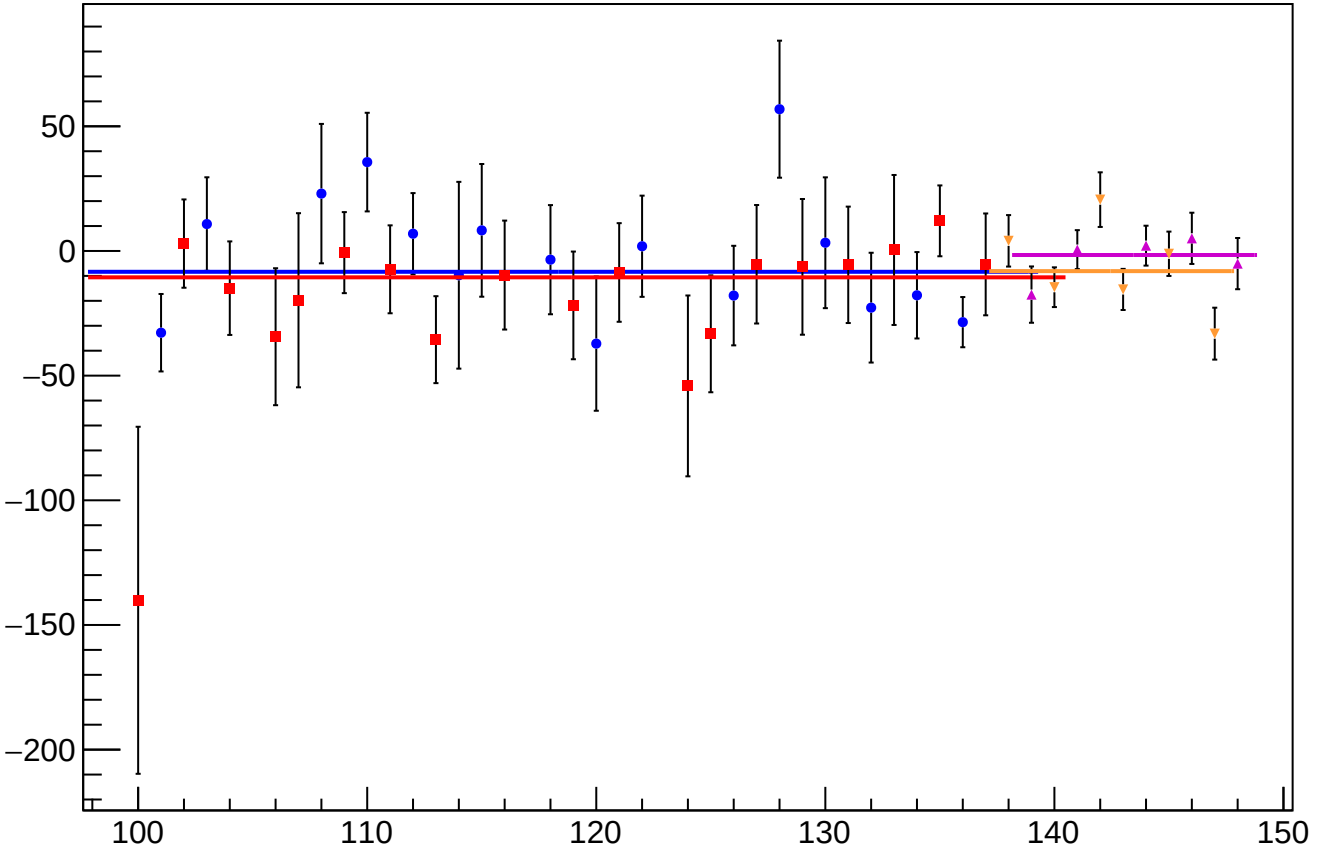
Left In: 6688.755+/-2.348 χ^2/NDF:435142.5/4

+ sign 7257.396+/-1.540 χ^2/NDF: 1200146.1/21

All: 7222.623+/-1.086 χ^2/NDF: 2524845.7/45

- sign 7188.261+/-1.531 χ^2/NDF: 1323686.1/23

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

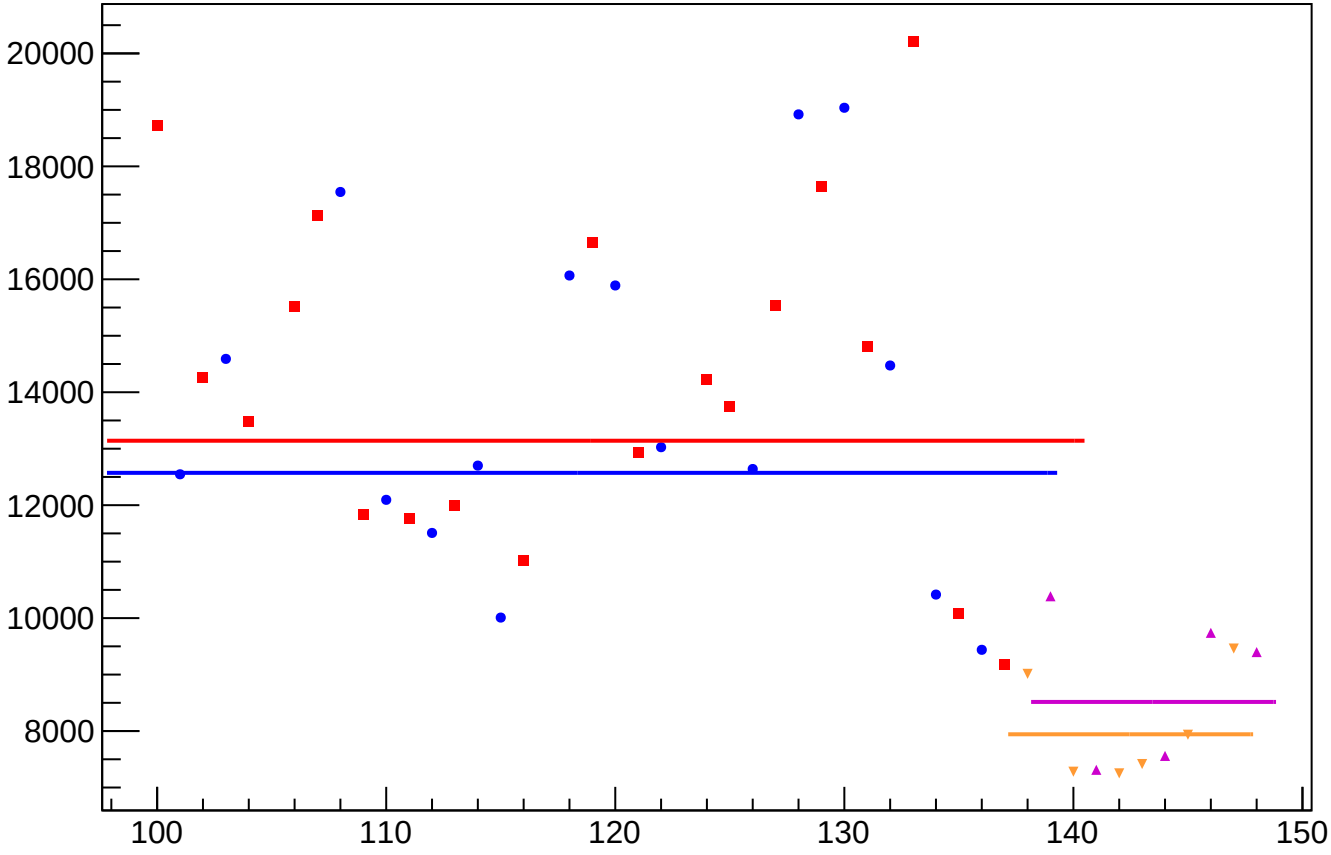
Left In: -1.617+/-4.124 χ^2/NDF:2.8/4

+ sign -8.187+/-2.972 χ^2/NDF: 39.3/21

All: -6.841+/-2.164 χ^2/NDF: 57.4/45

- sign -5.321+/-3.158 χ^2/NDF: 17.7/23

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

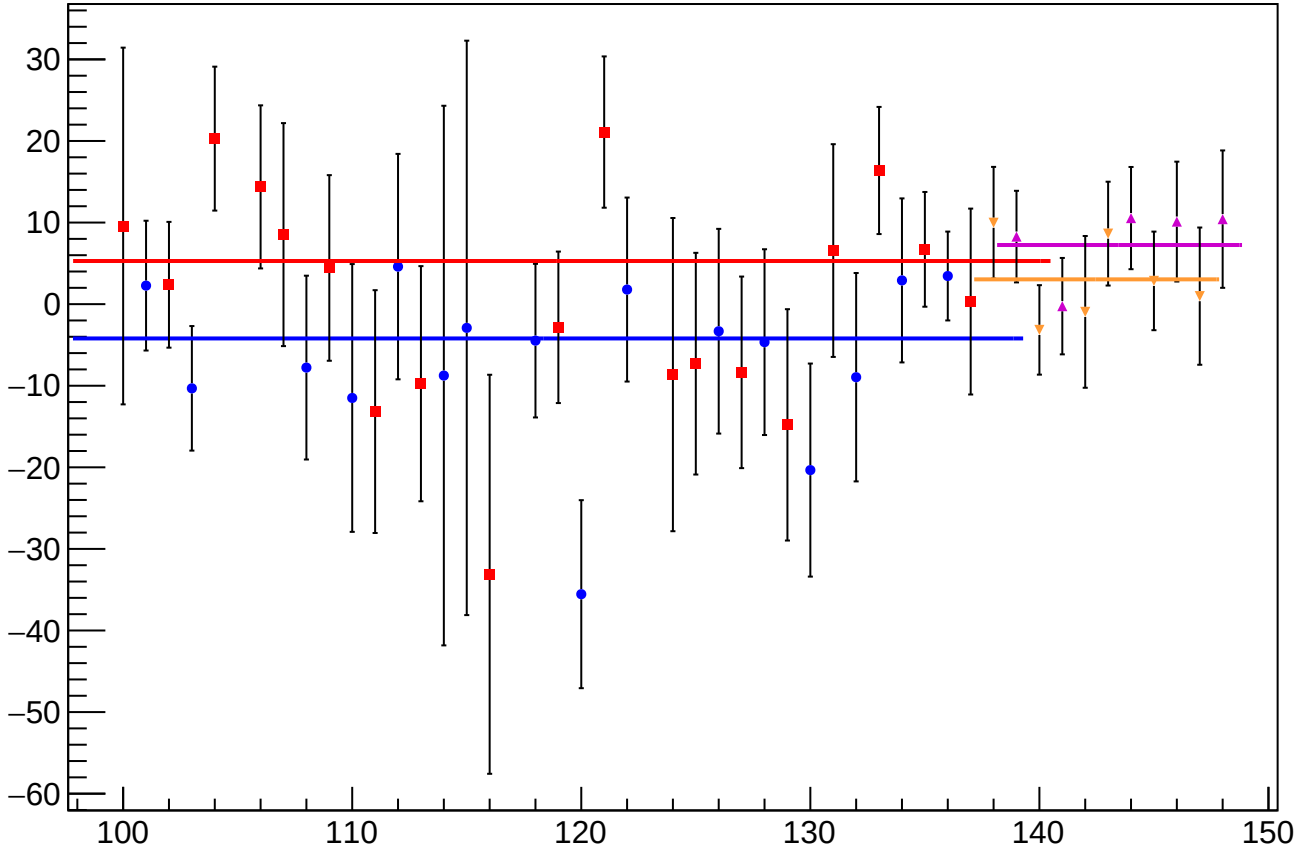
Left In: 8515.728+/-2.916 χ^2/NDF:173958.1/4

+ sign 9707.725+/-2.102 χ^2/NDF: 1903848.3/21

All: 10046.299+/-1.530 χ^2/NDF: 3708340.4/4

- sign 10428.557+/-2.233 χ^2/NDF: 1749235.9/23

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

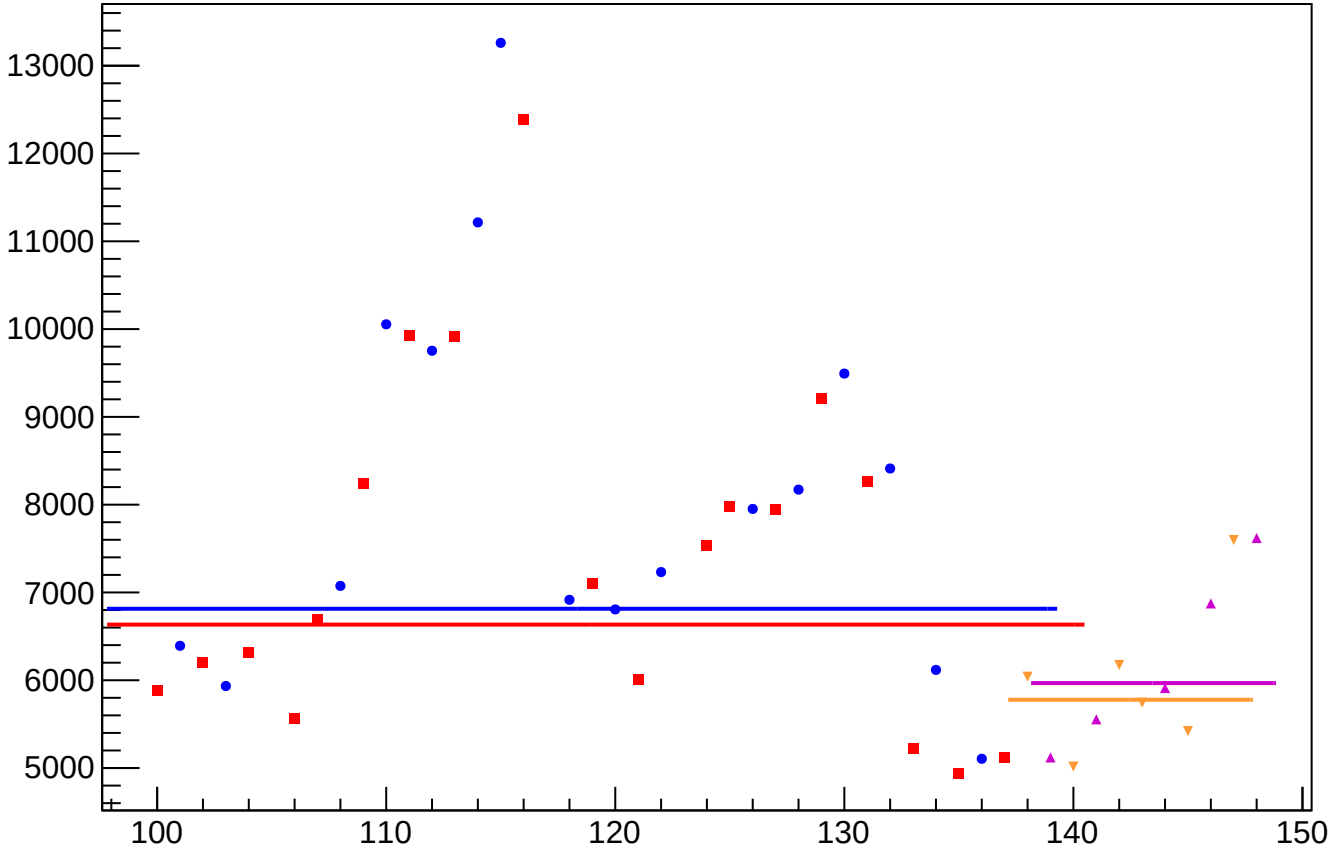
Left In: 7.249+/-2.905 χ^2/NDF:2.2/4

+ sign -0.783+/-1.889 χ^2/NDF: 20.8/21

All: 2.657+/-1.338 χ^2/NDF: 49.7/45

- sign 6.123+/-1.896 χ^2/NDF: 22.2/23

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

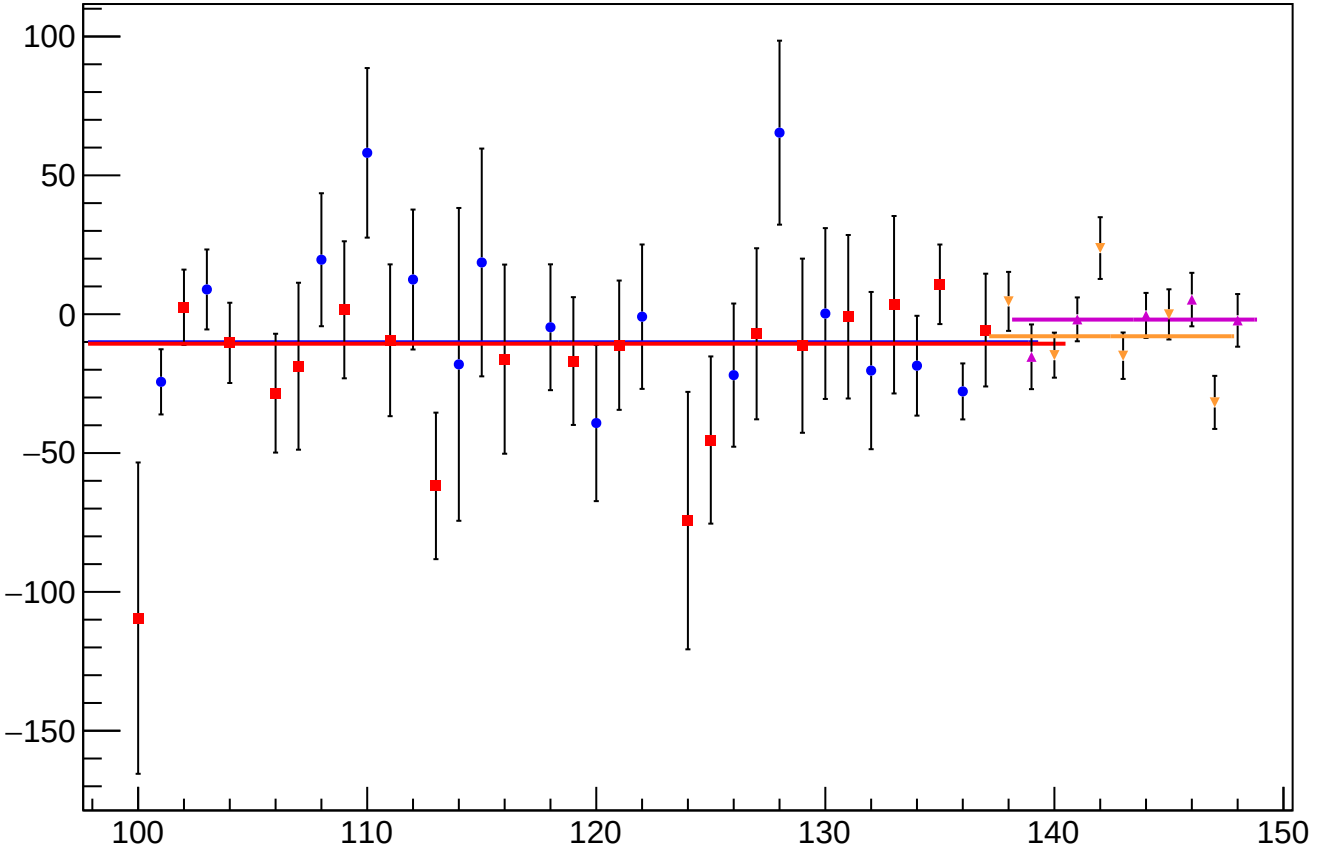
Left In: 5967.675+/-2.054 χ^2/NDF:162968.7/4

+ sign 6324.733+/-1.336 χ^2/NDF: 969913.7/21

All: 6337.347+/-0.946 χ^2/NDF: 1956763.7/45

- sign 6350.052+/-1.341 χ^2/NDF: 986671.0/23

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

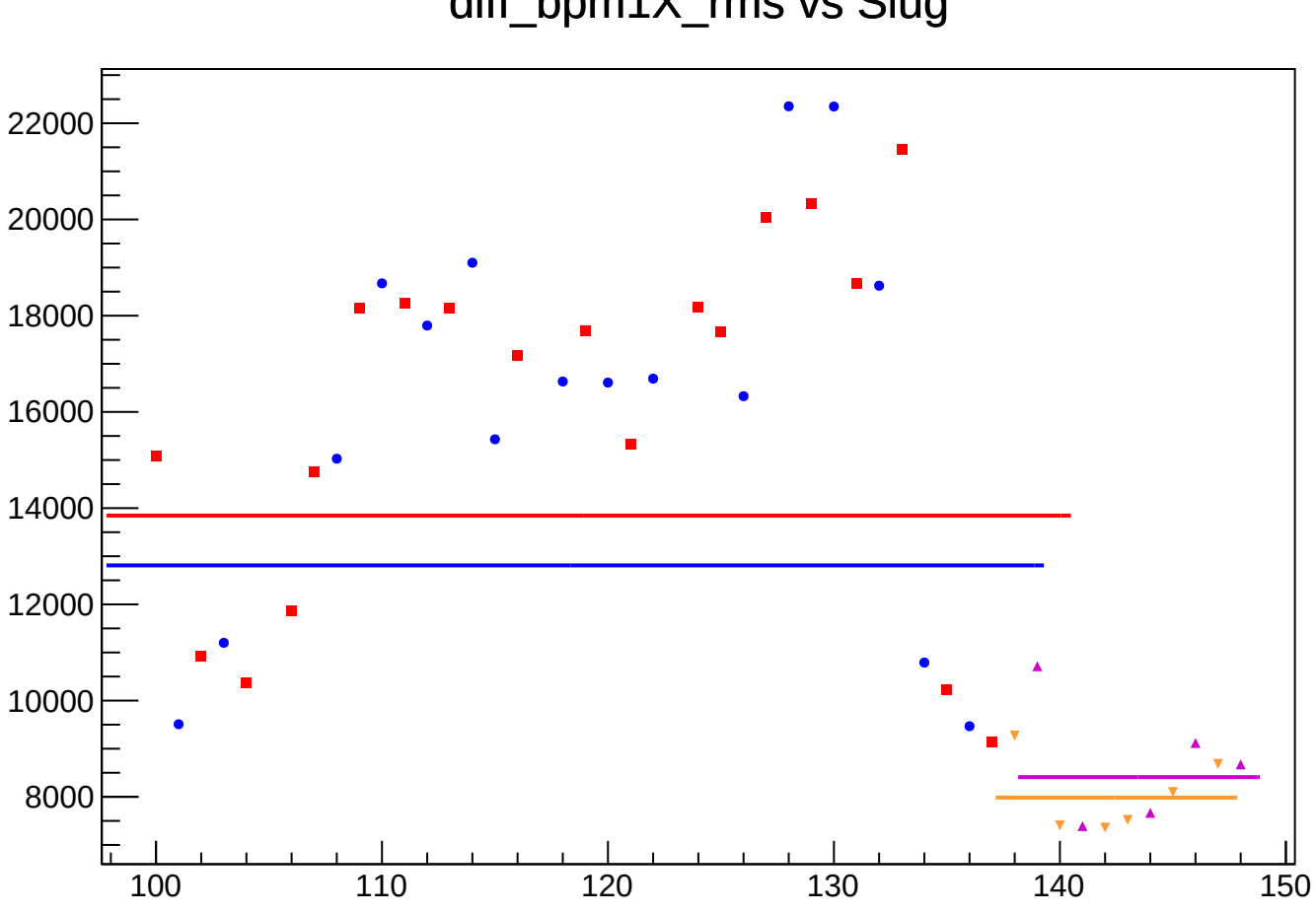
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.941+/-4.065 χ^2/NDF:1.9/4

+ sign -8.730+/-3.024 χ^2/NDF: 39.3/21

All: -7.065+/-2.204 χ^2/NDF: 58.3/45

- sign -5.175+/-3.220 χ^2/NDF: 18.4/23



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

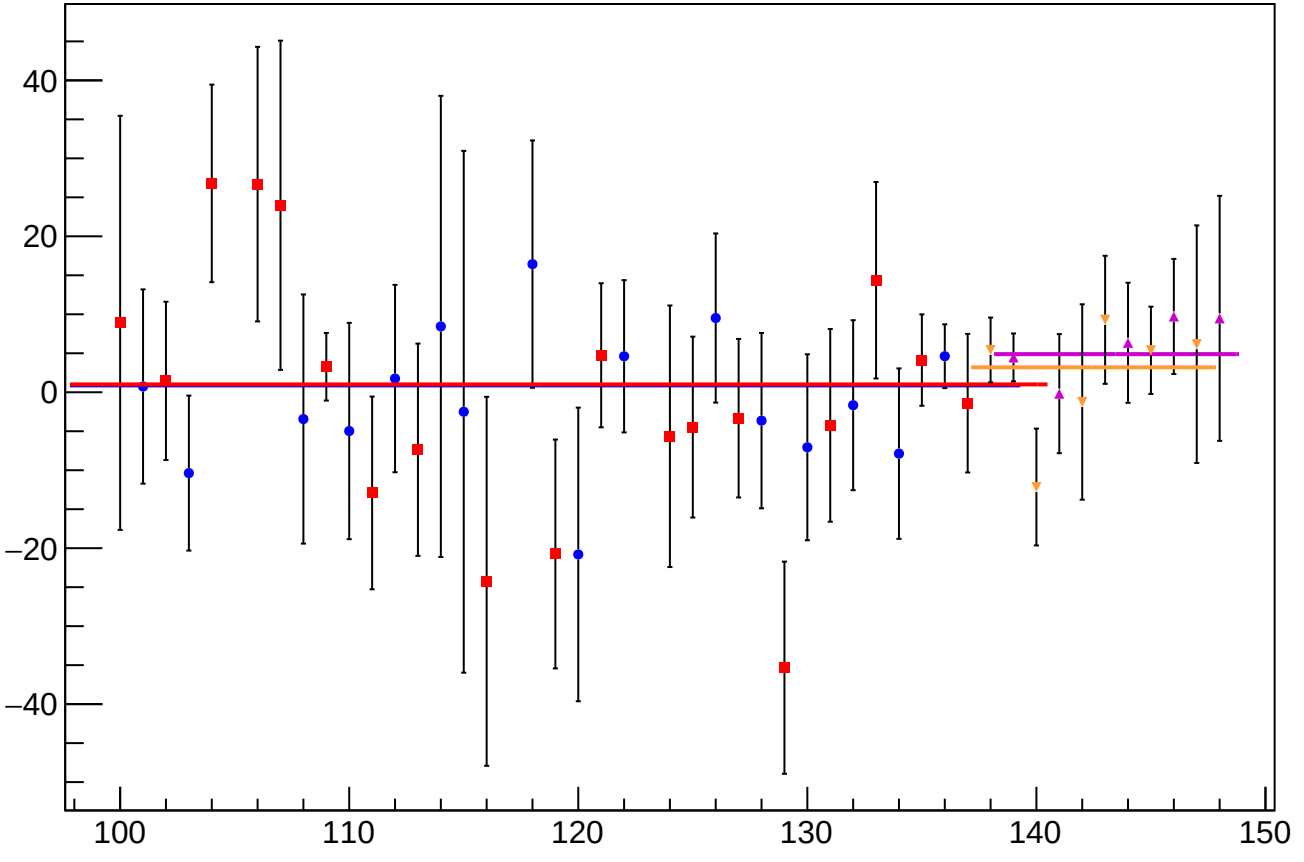
Left In: 8409.492+/-2.875 χ^2/NDF:140666.3/4

+ sign 9736.600+/-2.138 χ^2/NDF: 2489744.2/21

All: 10063.488+/-1.559 χ^2/NDF: 5108907.1/4

- sign 10434.325+/-2.277 χ^2/NDF: 2569265.5/23

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

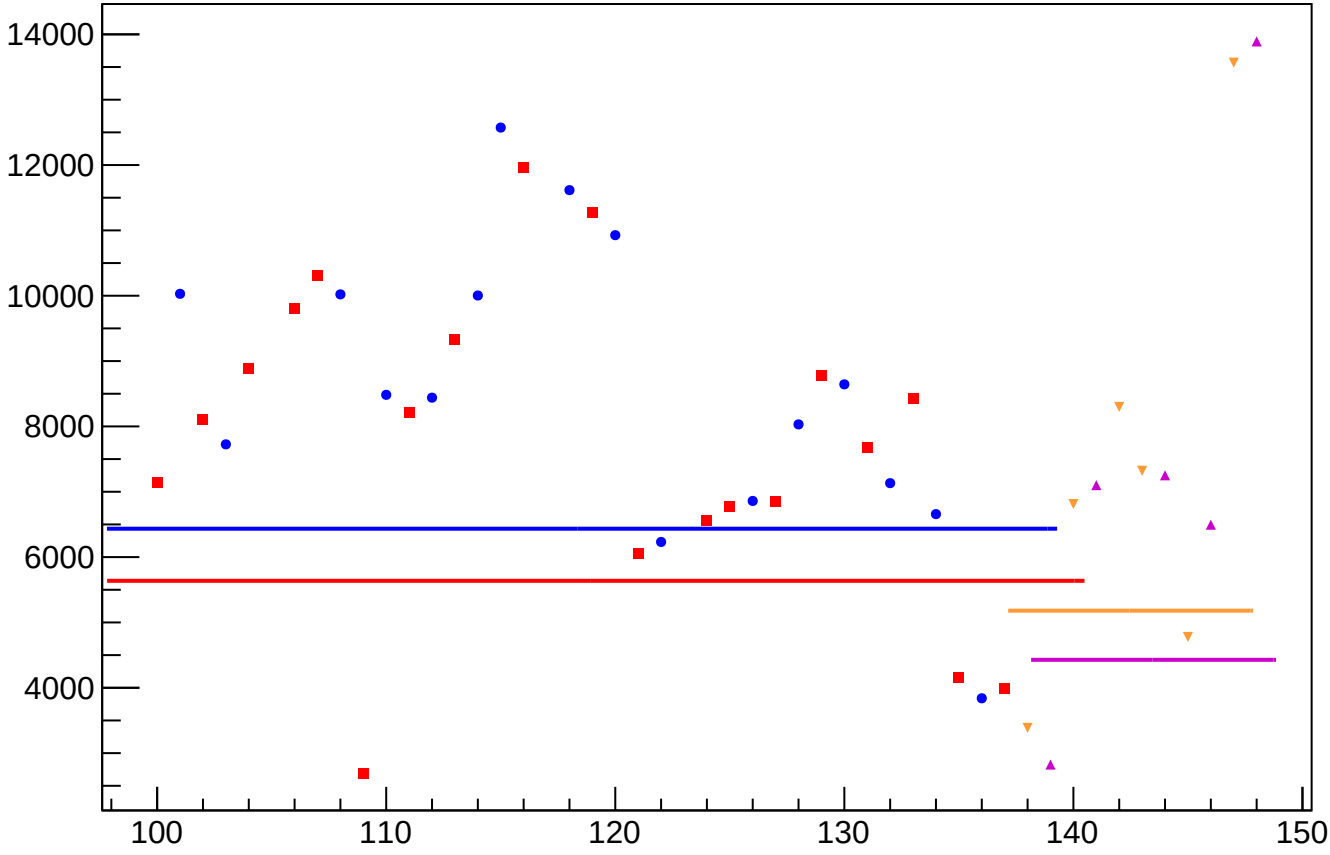
Left In: 4.890+/-2.482 χ^2/NDF:1.0/4

+ sign 1.964+/-1.873 χ^2/NDF: 12.6/21

All: 2.431+/-1.256 χ^2/NDF: 37.3/45

- sign 2.812+/-1.692 χ^2/NDF: 24.6/23

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

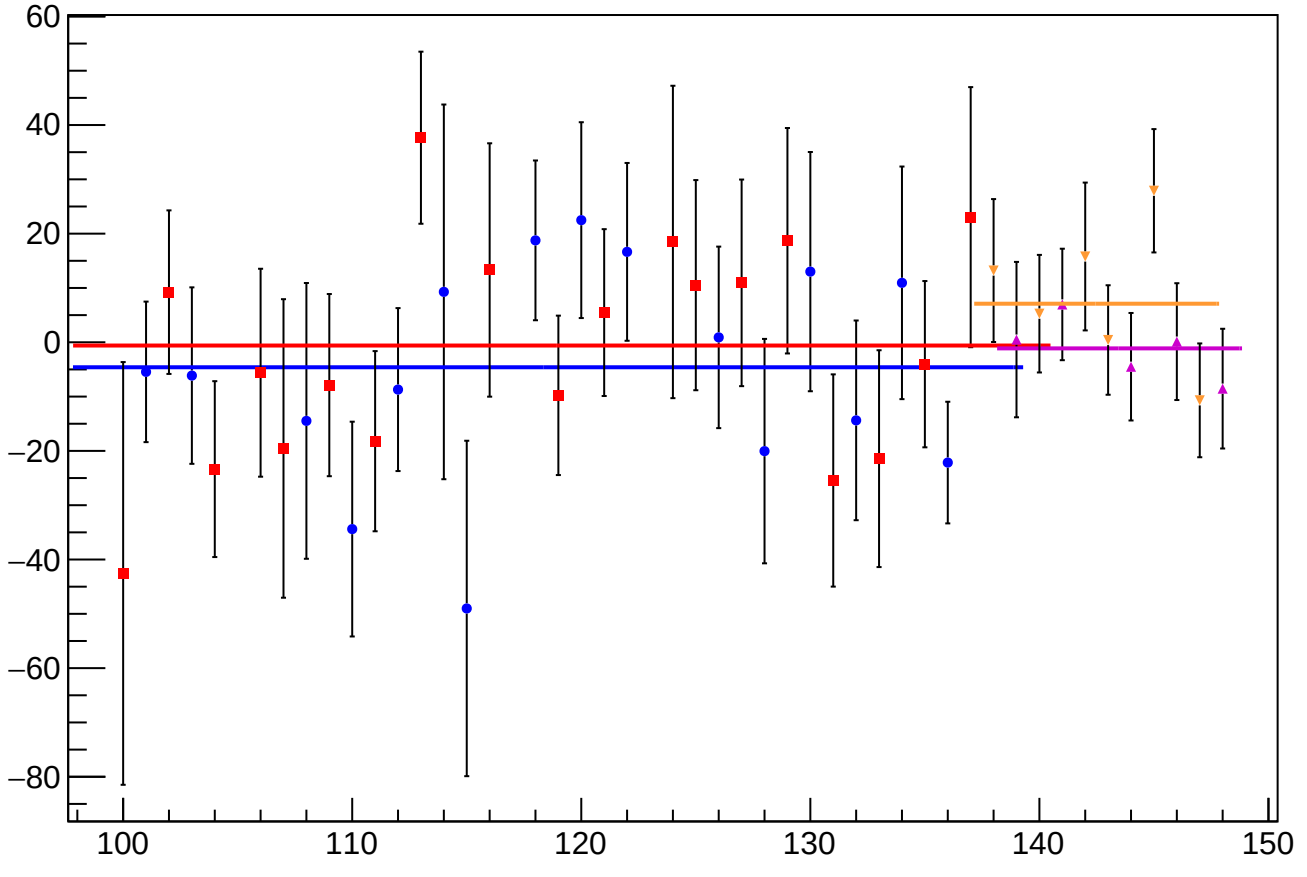
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4428.240+/-1.755 χ^2/NDF:1941241.4/4

+ sign 5848.537+/-1.324 χ^2/NDF: 3317686.6/21

All: 5422.728+/-0.888 χ^2/NDF: 8280656.3/45

- sign 5075.074+/-1.197 χ^2/NDF: 4775208.9/23



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.100+/-4.642 χ^2/NDF:7.3/5

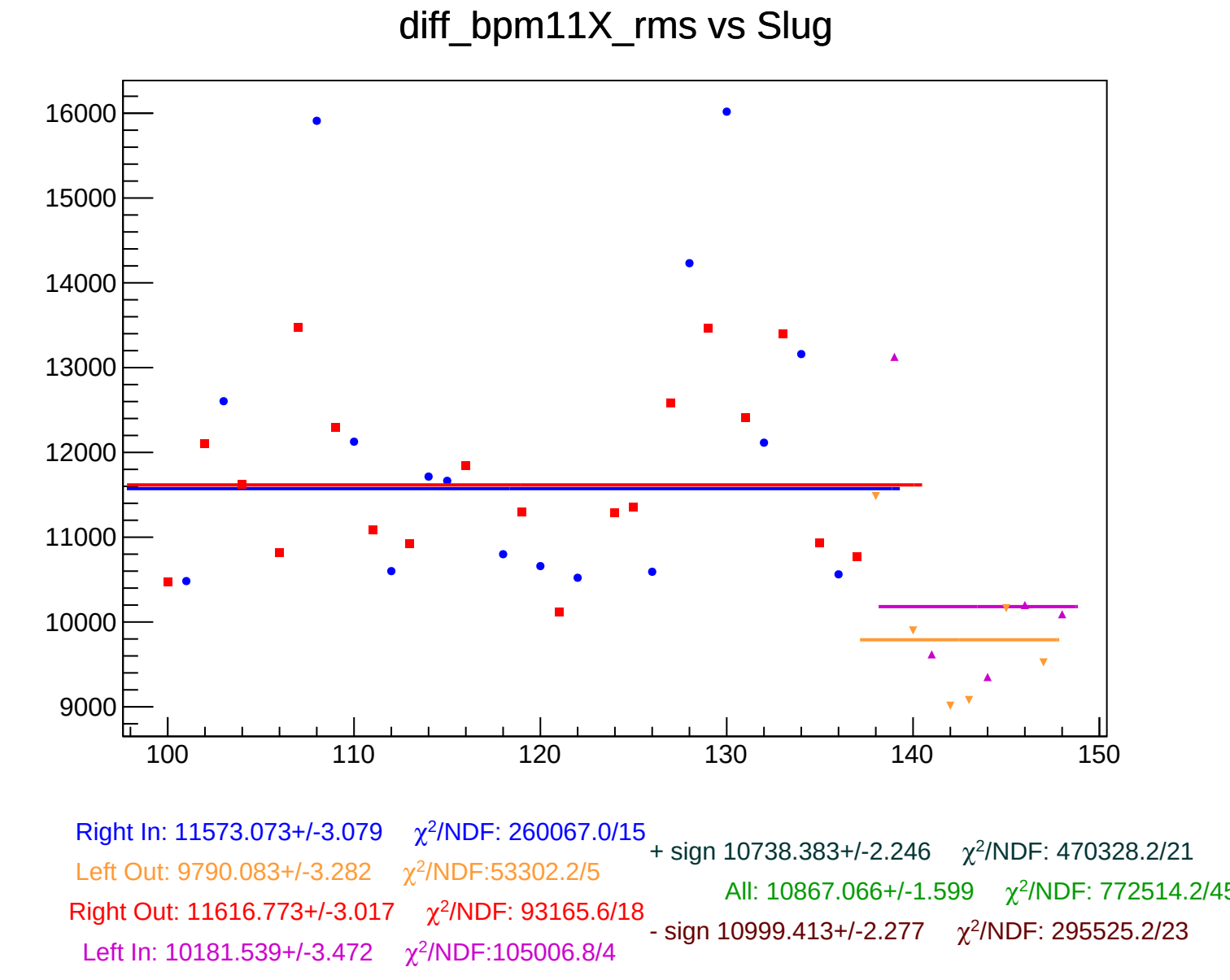
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.126+/-4.911 χ^2/NDF:1.2/4

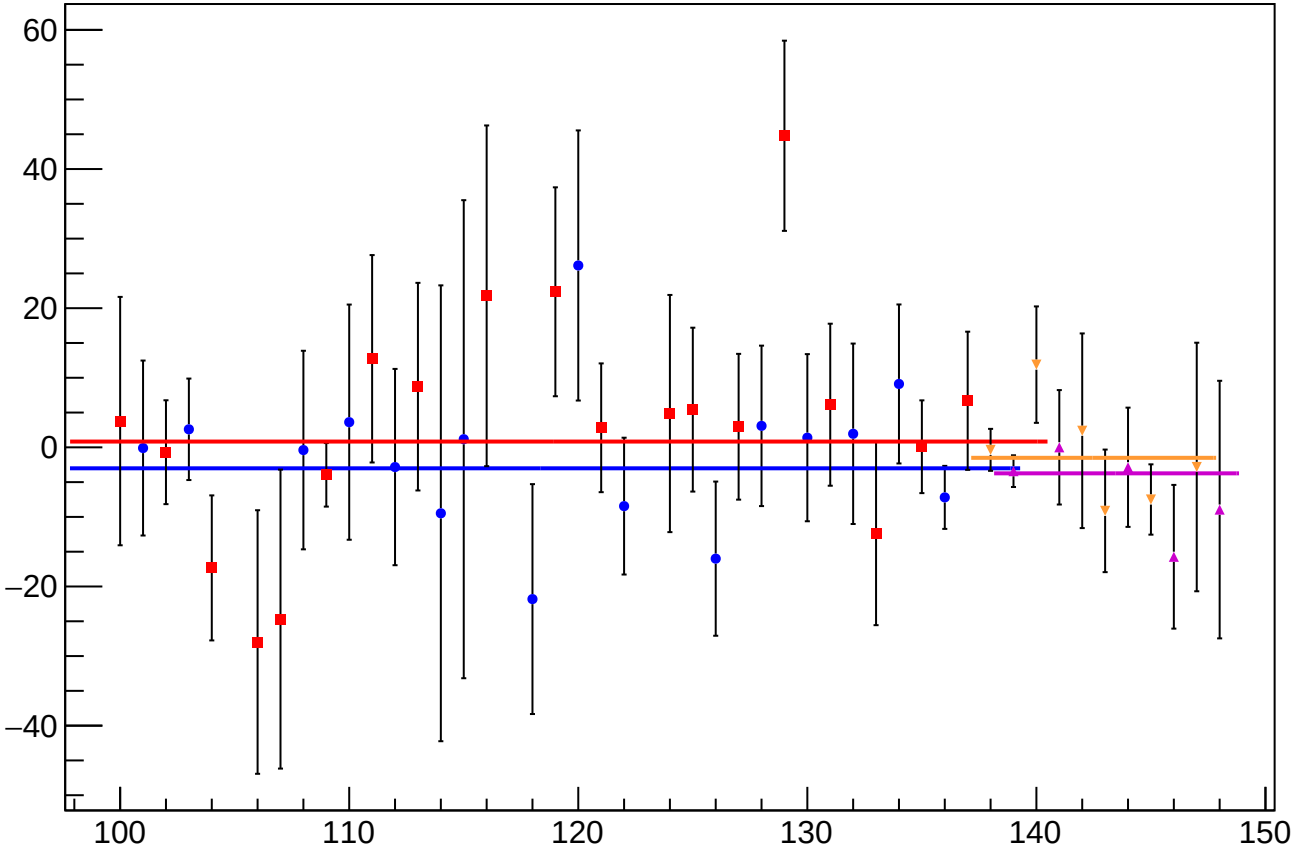
+ sign 0.876+/-3.176 χ^2/NDF: 26.5/21

All: 0.037+/-2.261 χ^2/NDF: 45.7/45

- sign -0.826+/-3.221 χ^2/NDF: 19.1/23


diff_bpm11X_rms vs Slug
16000
15000
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 9790.083+/-3.282 χ²/NDF:53302.2/5
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 10181.539+/-3.472 χ²/NDF:105006.8/4
+ sign 10738.383+/-2.246 χ²/NDF: 470328.2/21
All: 10867.066+/-1.599 χ²/NDF: 772514.2/45
- sign 10999.413+/-2.277 χ²/NDF: 295525.2/23

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

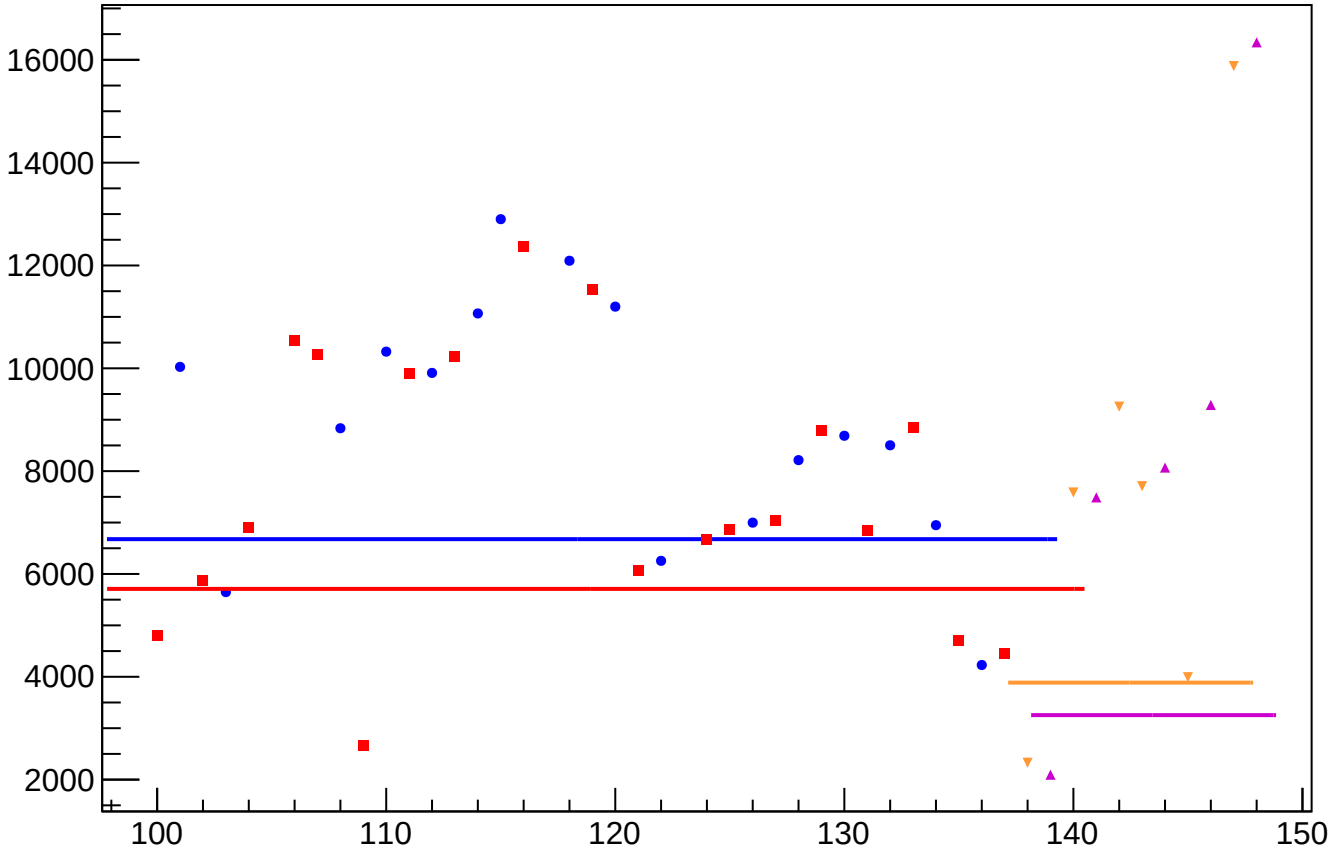
Left In: -3.737+/-2.071 χ^2/NDF:1.7/4

+ sign -2.162+/-1.750 χ^2/NDF: 13.8/21

All: -1.927+/-1.162 χ^2/NDF: 41.4/45

- sign -1.741+/-1.554 χ^2/NDF: 27.6/23

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

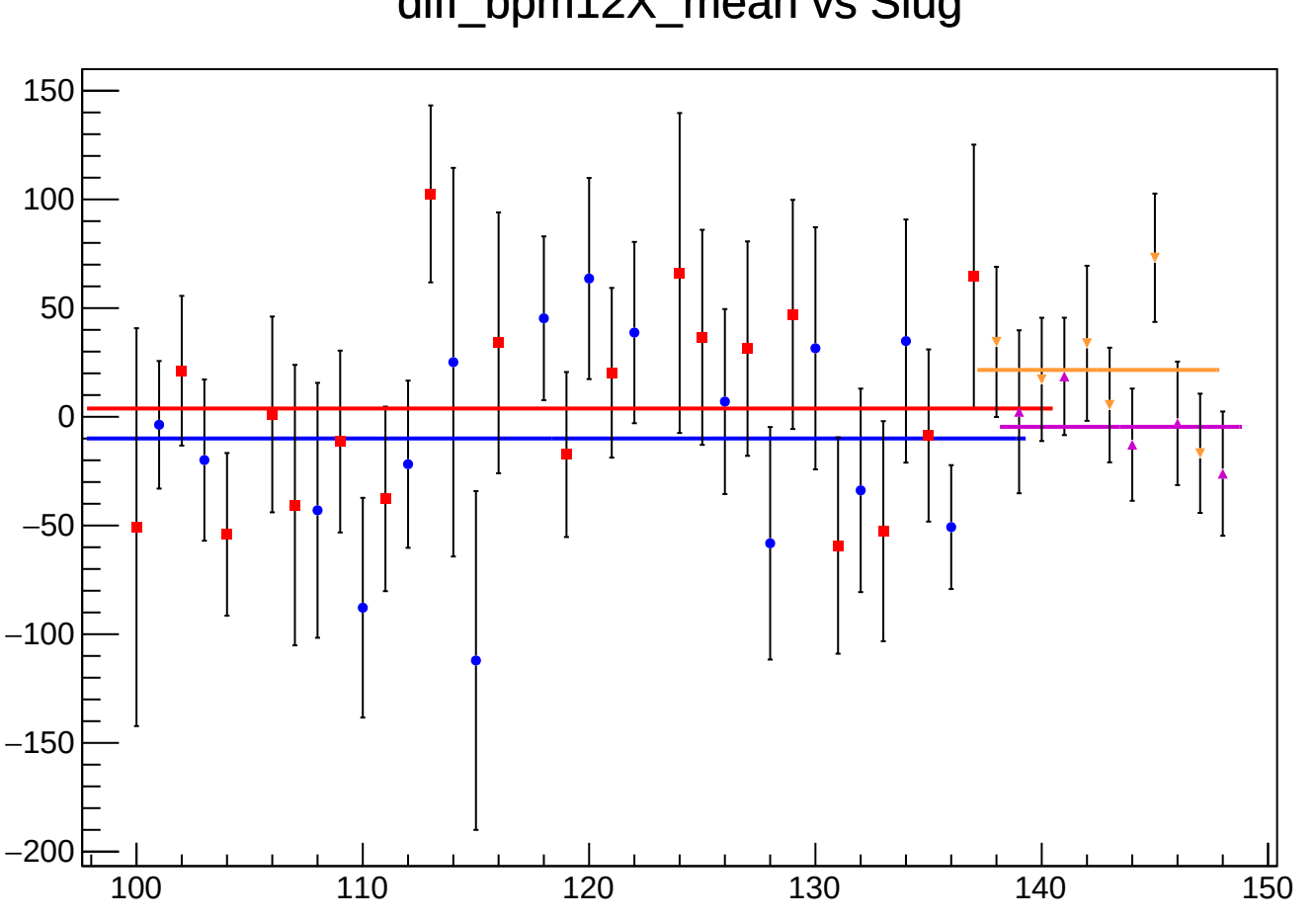
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3254.186+/-1.465 χ^2/NDF:3360098.7/4

+ sign 5100.435+/-1.238 χ^2/NDF: 5319521.8/21

All: 4668.062+/-0.822 χ^2/NDF: 12426921.8/4

- sign 4327.097+/-1.099 χ^2/NDF: 6889138.4/23



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

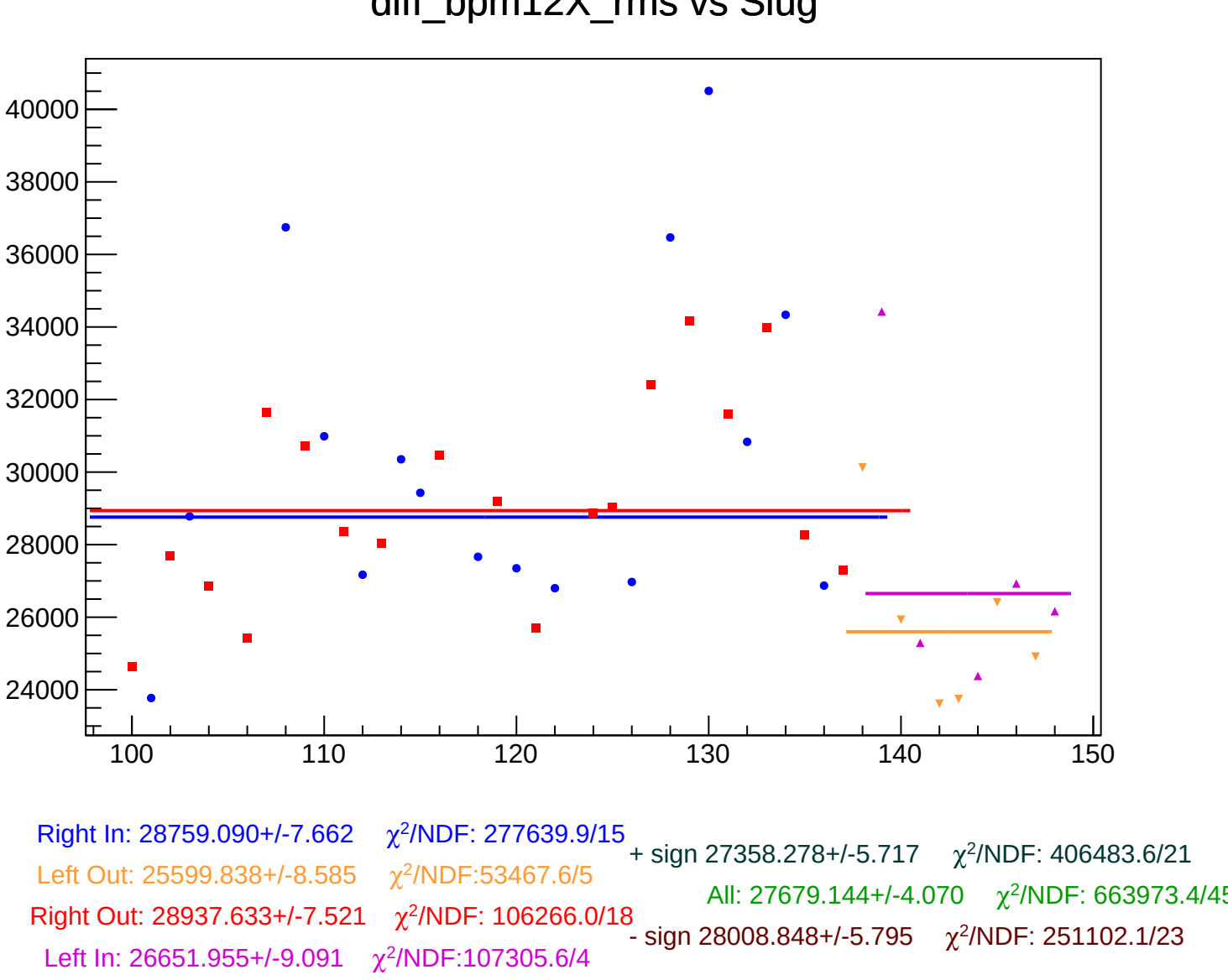
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

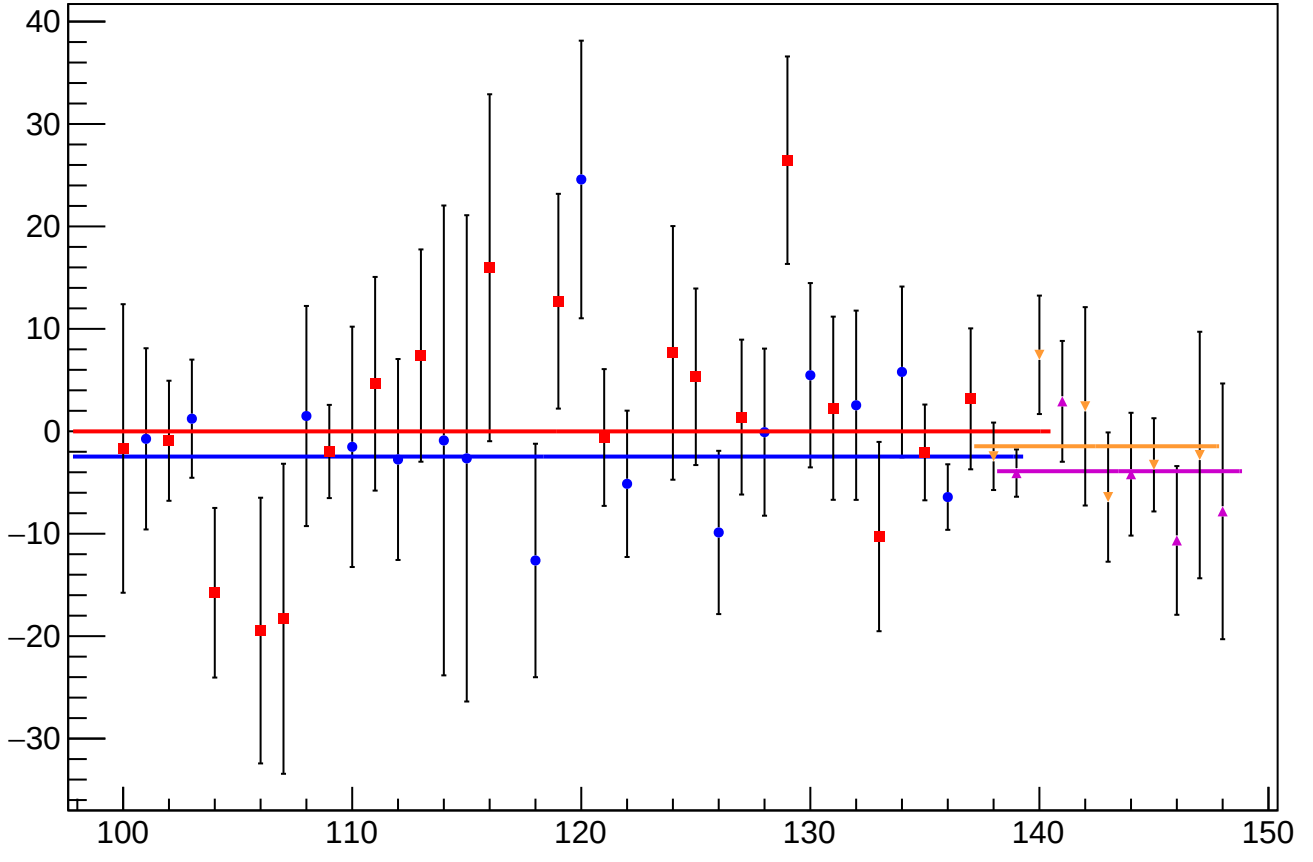
+ sign 4.010+/-8.084 χ^2/NDF: 24.7/21

All: 2.226+/-5.755 χ^2/NDF: 43.8/45

- sign 0.394+/-8.195 χ^2/NDF: 19.0/23


diff_bpm12X_rms vs Slug
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25599.838+/-8.585 χ²/NDF:53467.6/5
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 26651.955+/-9.091 χ²/NDF:107305.6/4
+ sign 27358.278+/-5.717 χ²/NDF: 406483.6/21
All: 27679.144+/-4.070 χ²/NDF: 663973.4/45
- sign 28008.848+/-5.795 χ²/NDF: 251102.1/23

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

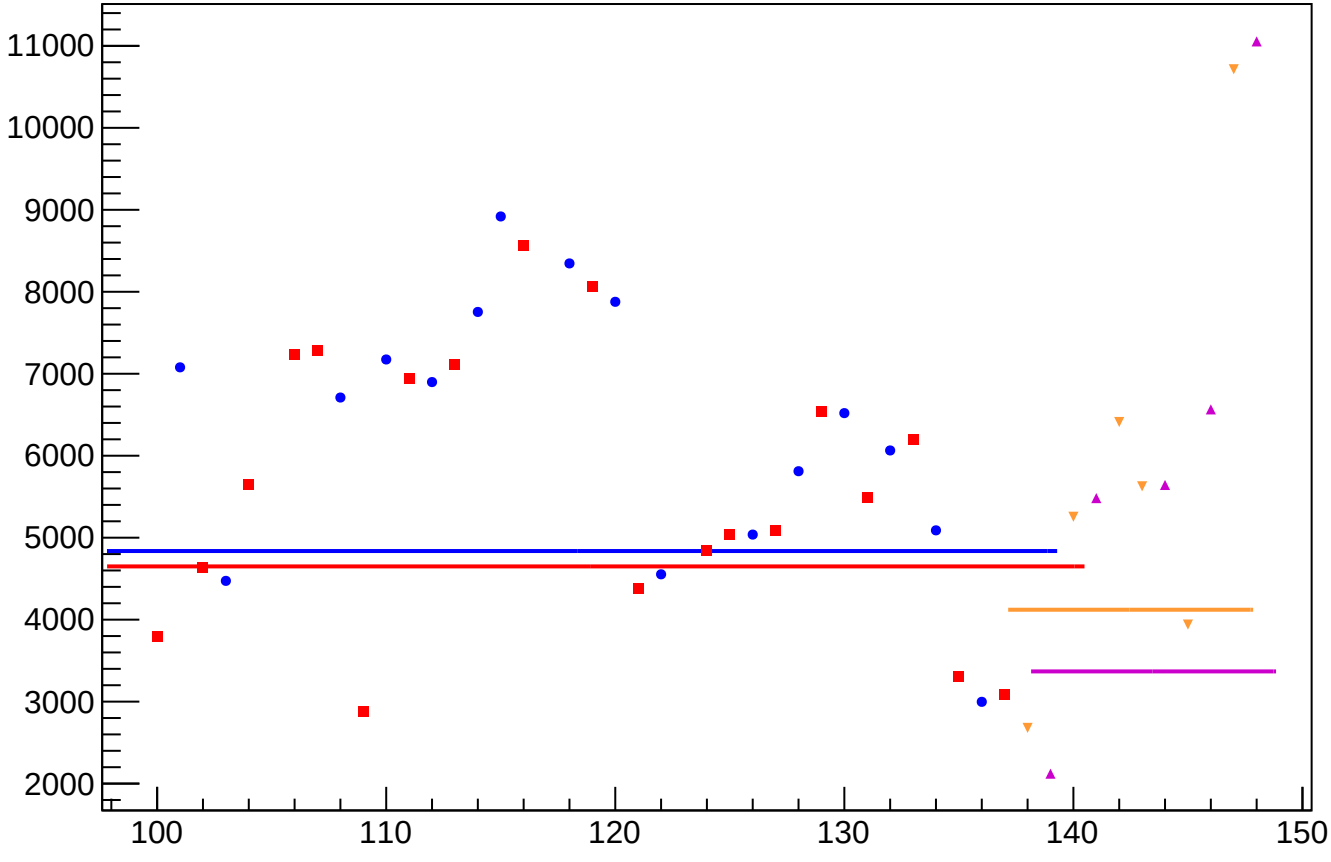
Left In: -3.897+/-1.926 χ^2/NDF:2.3/4

+ sign -2.026+/-1.435 χ^2/NDF: 13.6/21

All: -1.932+/-0.974 χ^2/NDF: 38.0/45

- sign -1.851+/-1.326 χ^2/NDF: 24.4/23

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

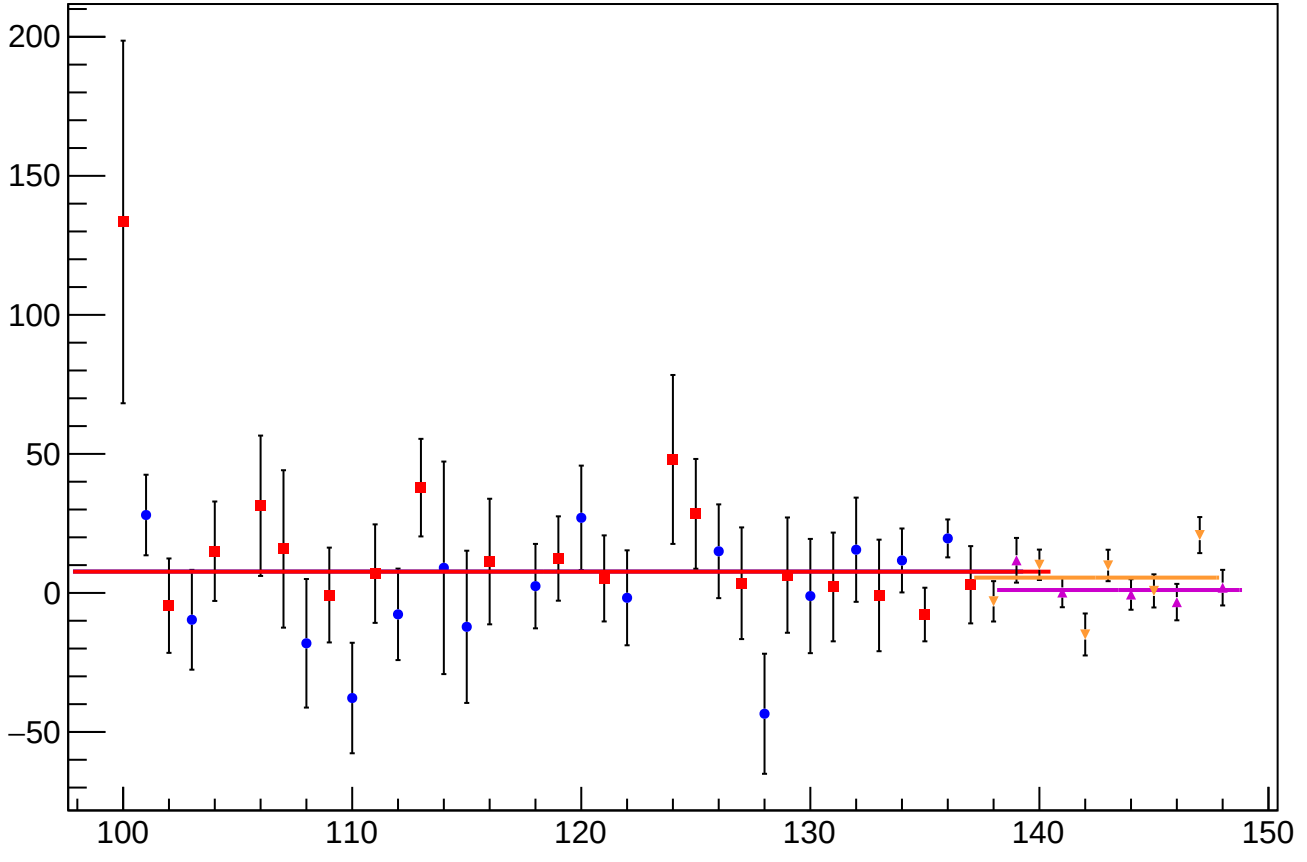
Left In: 3368.697+/-1.362 χ^2/NDF:2274864.9/4

+ sign 4522.916+/-1.015 χ^2/NDF: 2959998.3/21

All: 4263.792+/-0.689 χ^2/NDF: 7255642.0/45

- sign 4042.551+/-0.938 χ^2/NDF: 4174749.7/23

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

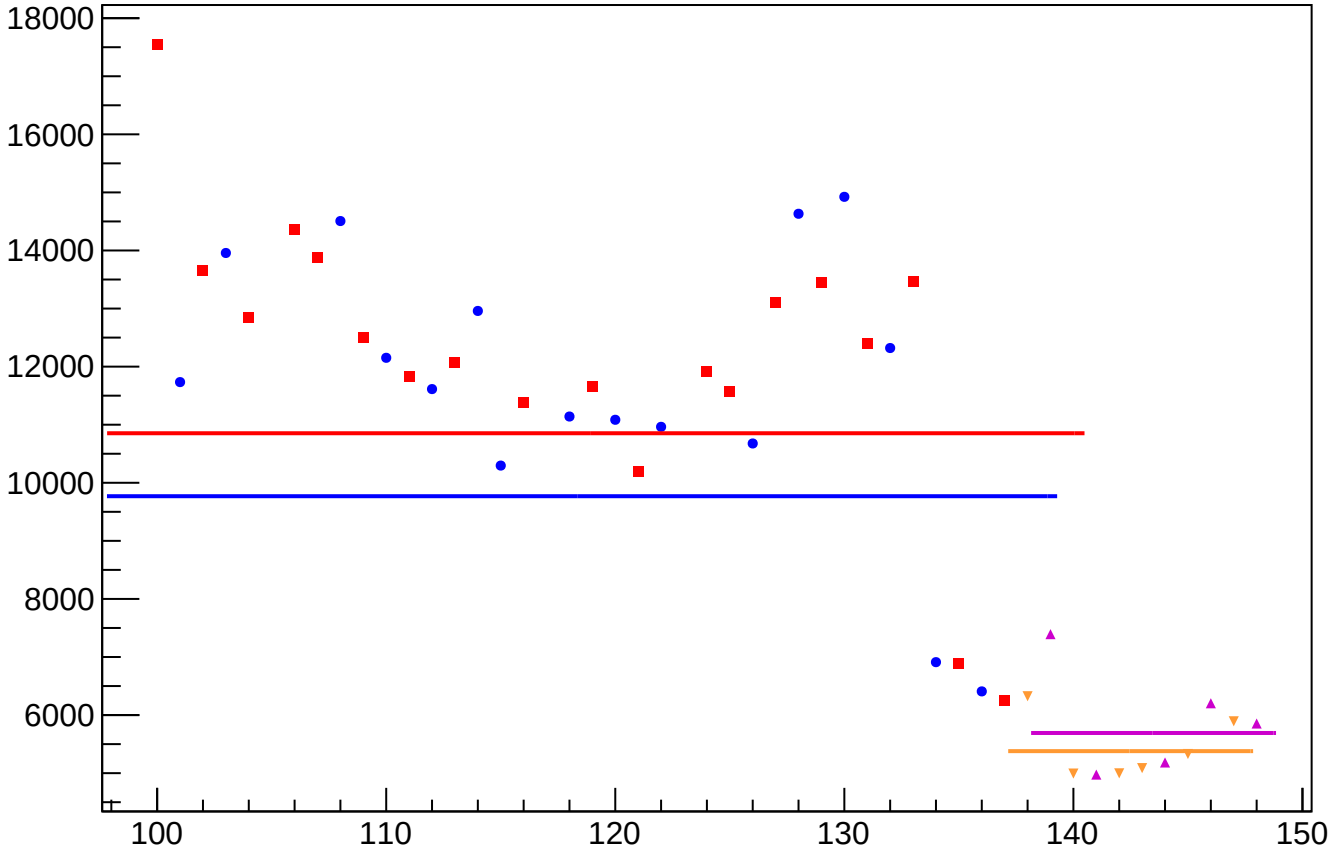
Left In: 1.052+/-2.754 χ^2/NDF:2.3/4

+ sign 6.185+/-2.124 χ^2/NDF: 38.1/21

All: 4.758+/-1.556 χ^2/NDF: 57.8/45

- sign 3.104+/-2.286 χ^2/NDF: 18.7/23

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

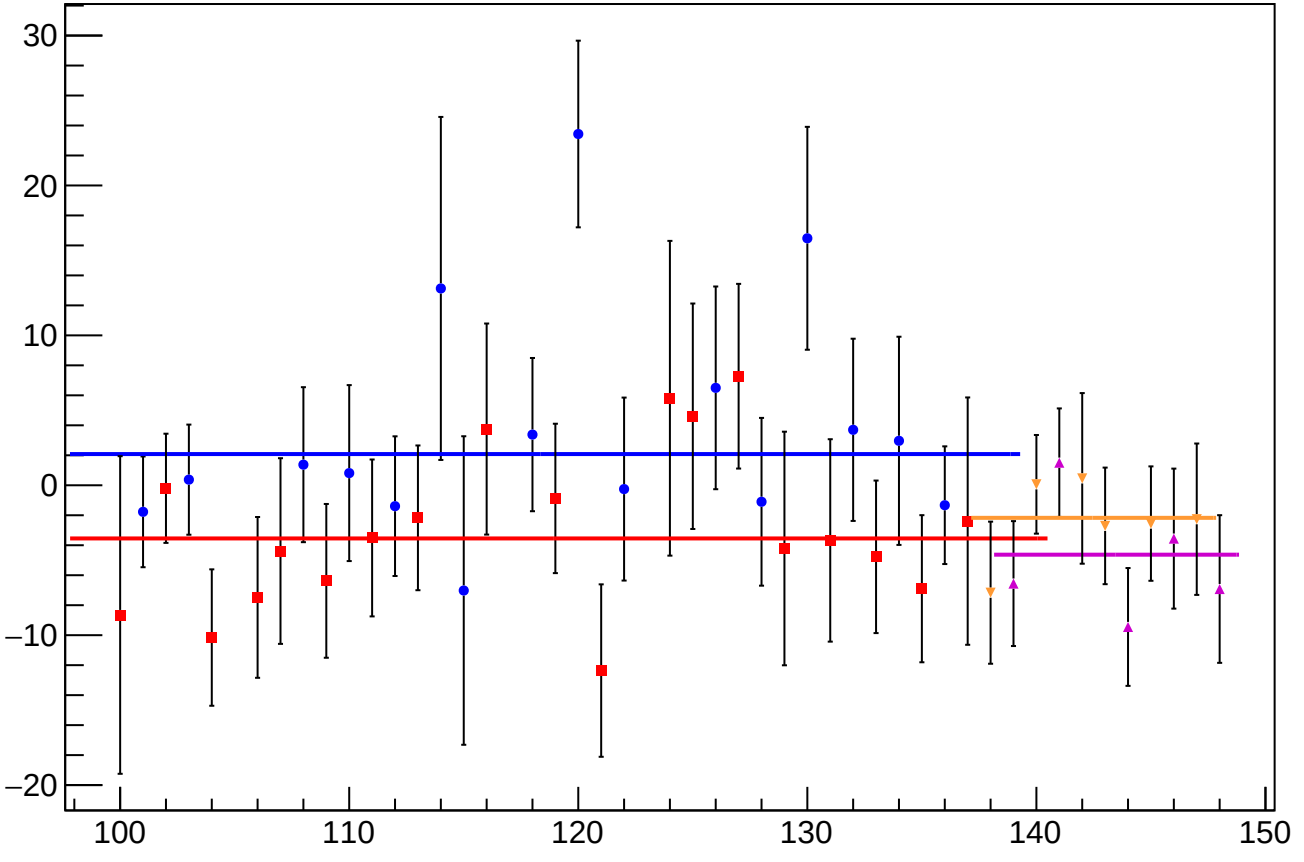
Left In: 5691.833+/-1.947 χ^2/NDF:156613.3/4

+ sign 6735.903+/-1.502 χ^2/NDF: 3105640.7/21

All: 6995.801+/-1.100 χ^2/NDF: 6385848.4/45

- sign 7296.982+/-1.616 χ^2/NDF: 3215536.7/23

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

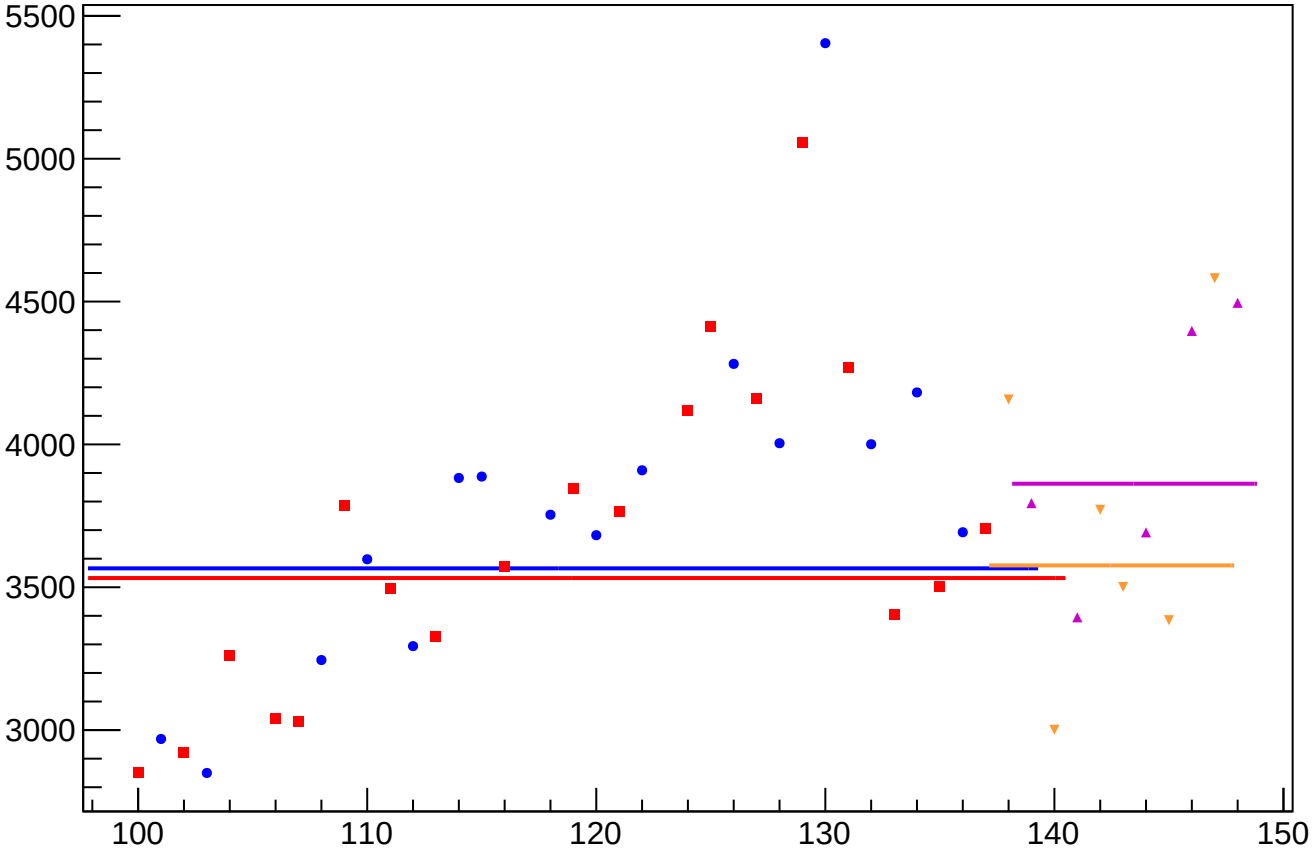
Left In: -4.630+/-1.871 χ^2/NDF:4.9/4

+ sign 0.456+/-1.057 χ^2/NDF: 26.6/21

All: -1.697+/-0.752 χ^2/NDF: 53.5/45

- sign -3.901+/-1.070 χ^2/NDF: 18.5/23

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

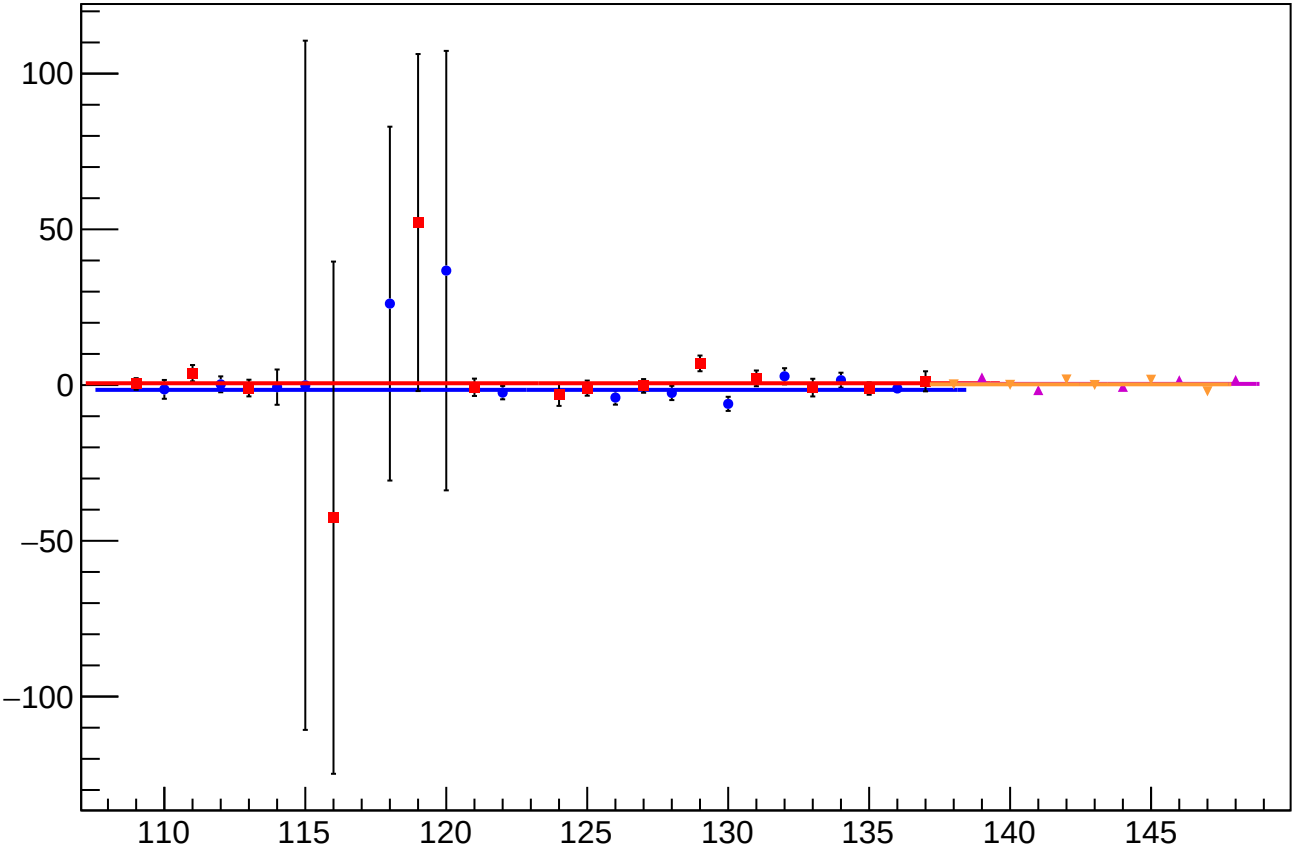
Left In: 3862.406+/-1.323 χ^2/NDF:96992.0/4

+ sign 3570.058+/-0.748 χ^2/NDF: 519750.6/21

All: 3604.717+/-0.532 χ^2/NDF: 941720.9/45

- sign 3640.194+/-0.756 χ^2/NDF: 417622.4/23

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

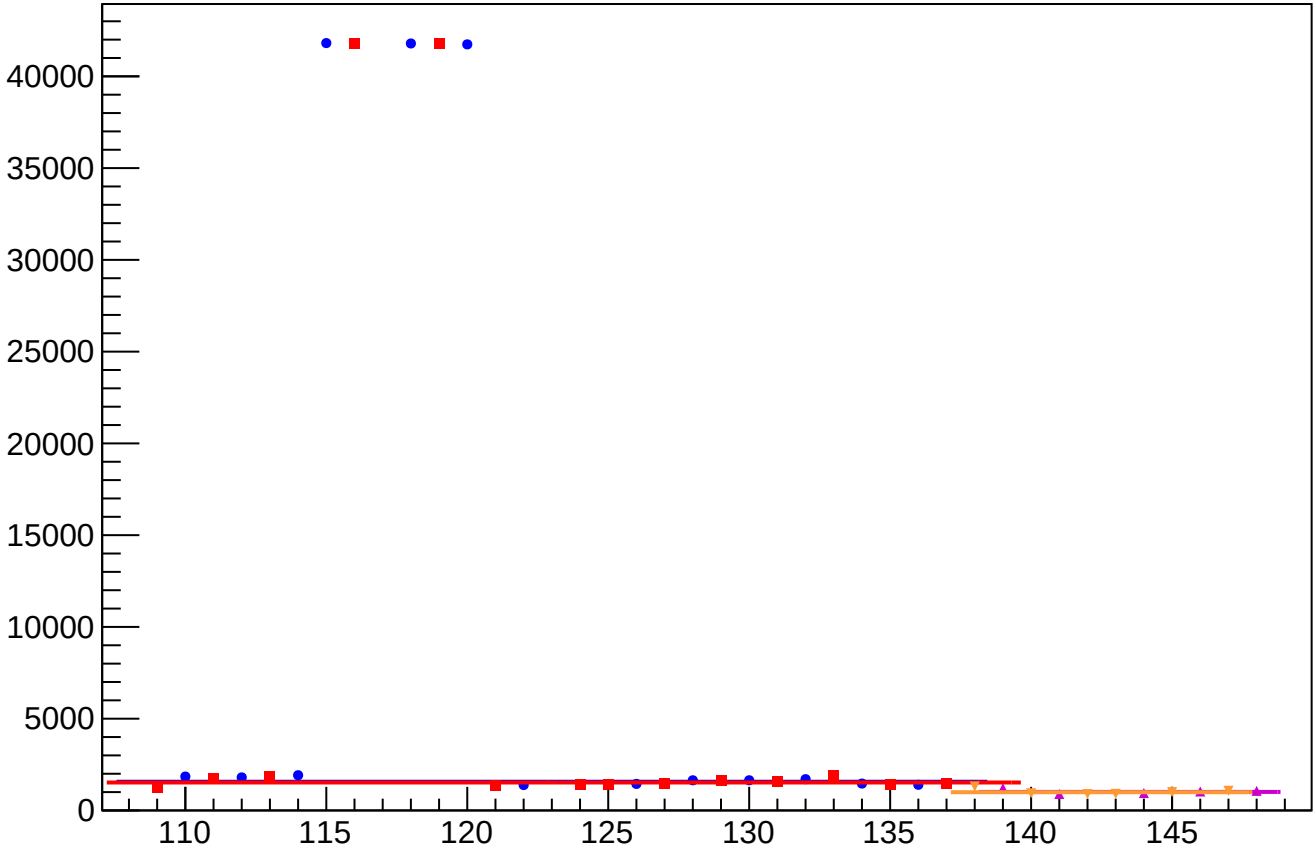
Left In: 0.381+/-0.487 χ^2/NDF:9.9/4

+ sign -0.275+/-0.397 χ^2/NDF: 22.1/18

All: 0.080+/-0.283 χ^2/NDF: 46.3/37

- sign 0.446+/-0.403 χ^2/NDF: 22.6/18

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

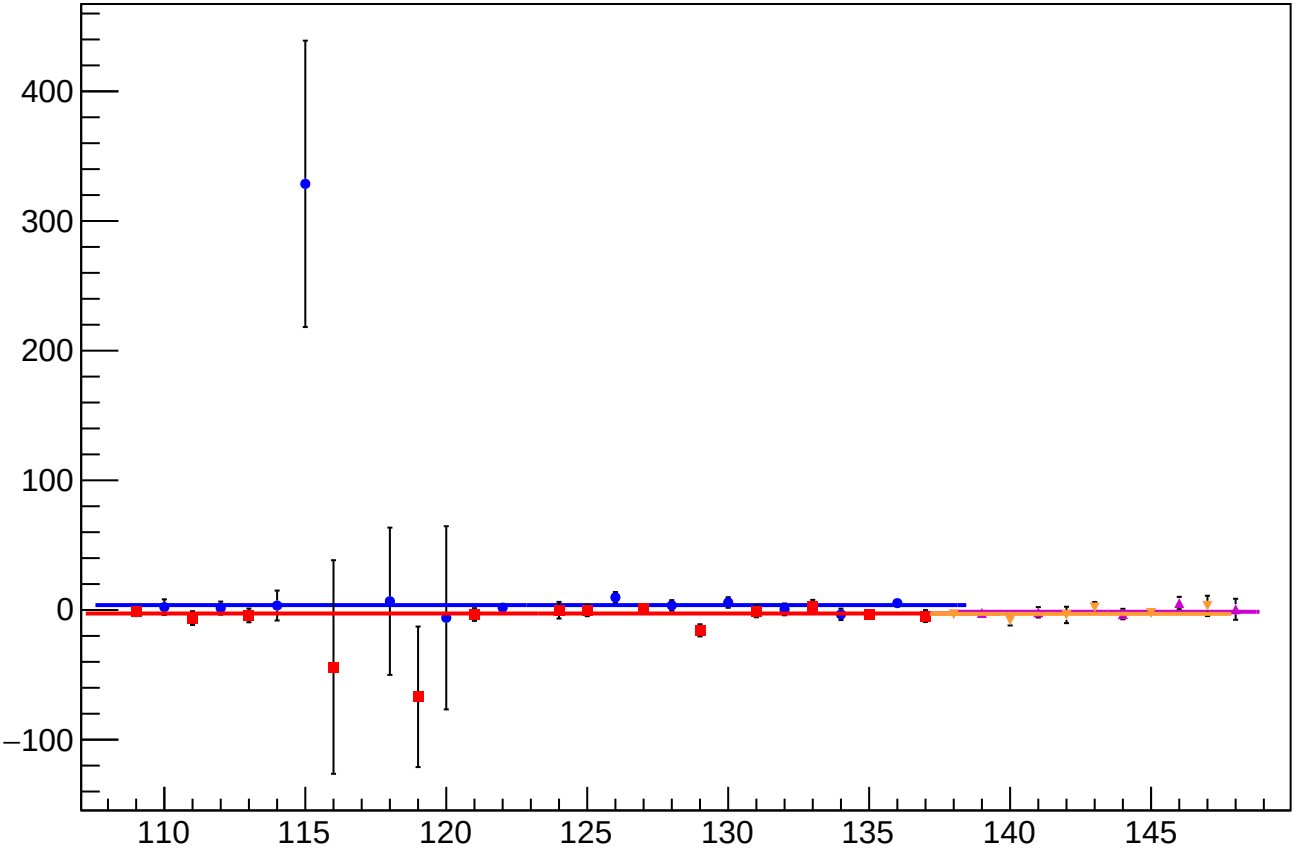
Left In: 1009.666+/-0.345 χ^2/NDF:88925.8/4

+ sign 1160.969+/-0.281 χ^2/NDF: 3003975.8/18

All: 1166.457+/-0.200 χ^2/NDF: 5536175.9/37

- sign 1172.110+/-0.285 χ^2/NDF: 2531425.0/18

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

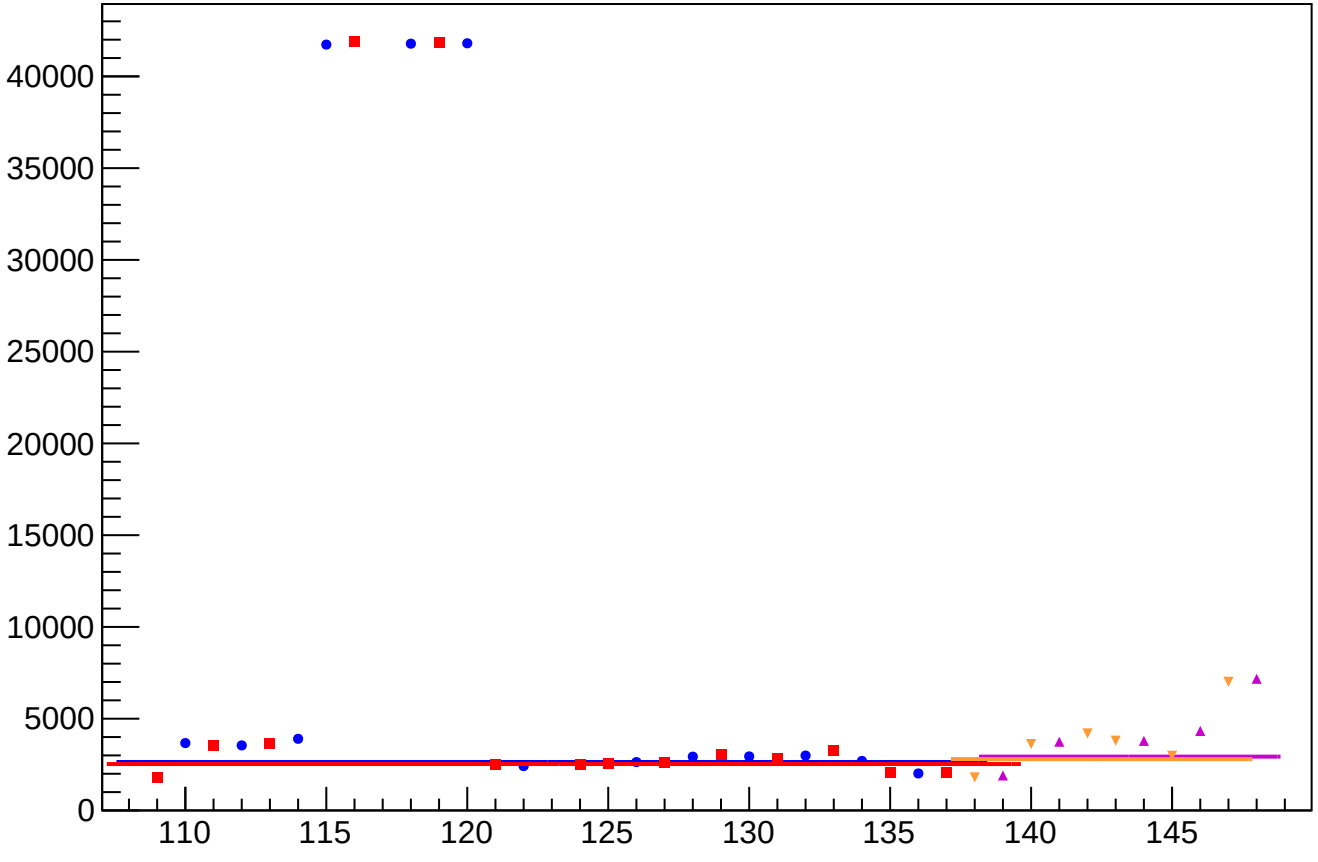
Left In: -1.379+/-1.569 χ^2/NDF:2.4/4

+ sign 0.906+/-0.947 χ^2/NDF: 31.2/18

All: -0.634+/-0.674 χ^2/NDF: 53.1/37

- sign -2.212+/-0.959 χ^2/NDF: 16.5/18

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

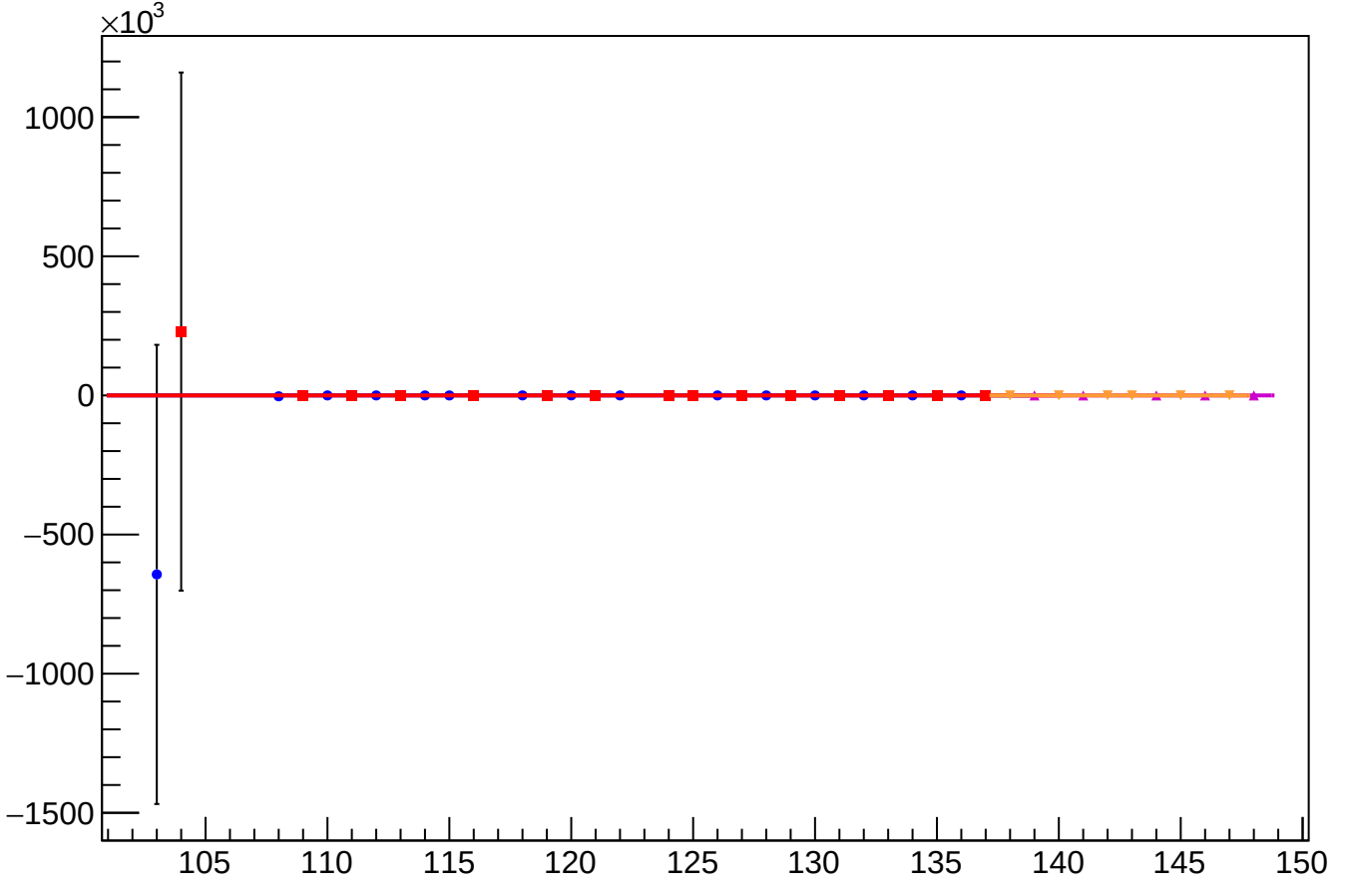
Left In: 2932.866+/-1.109 χ^2/NDF:1363341.2/4

+ sign 2706.857+/-0.670 χ^2/NDF: 3514667.1/18

All: 2693.500+/-0.476 χ^2/NDF: 6911804.2/37

- sign 2679.814+/-0.678 χ^2/NDF: 3396331.4/18

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

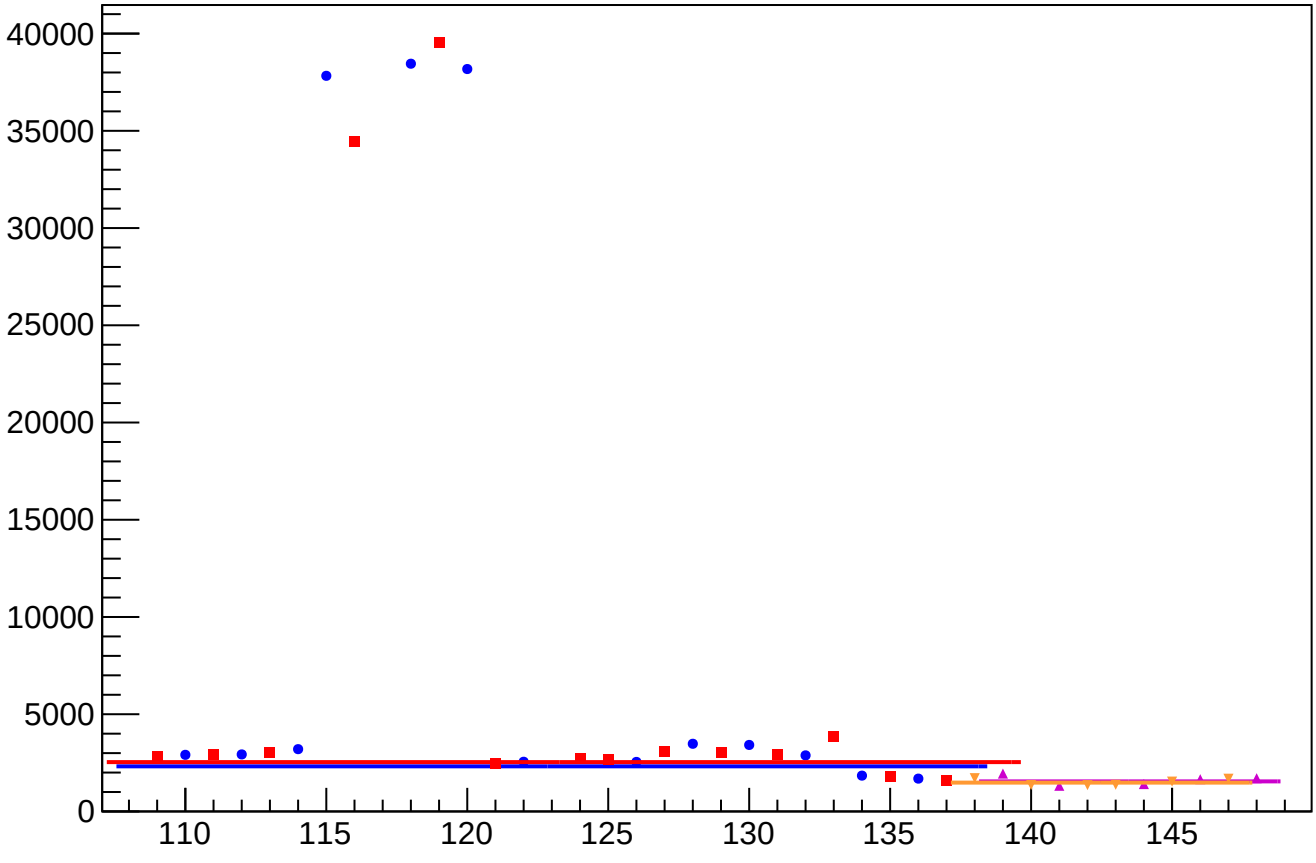
Left In: -0.659+/-0.749 χ^2/NDF:0.8/4

+ sign -1.140+/-0.597 χ^2/NDF: 34.1/20

All: -1.175+/-0.436 χ^2/NDF: 51.3/40

- sign -1.216+/-0.637 χ^2/NDF: 17.2/19

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

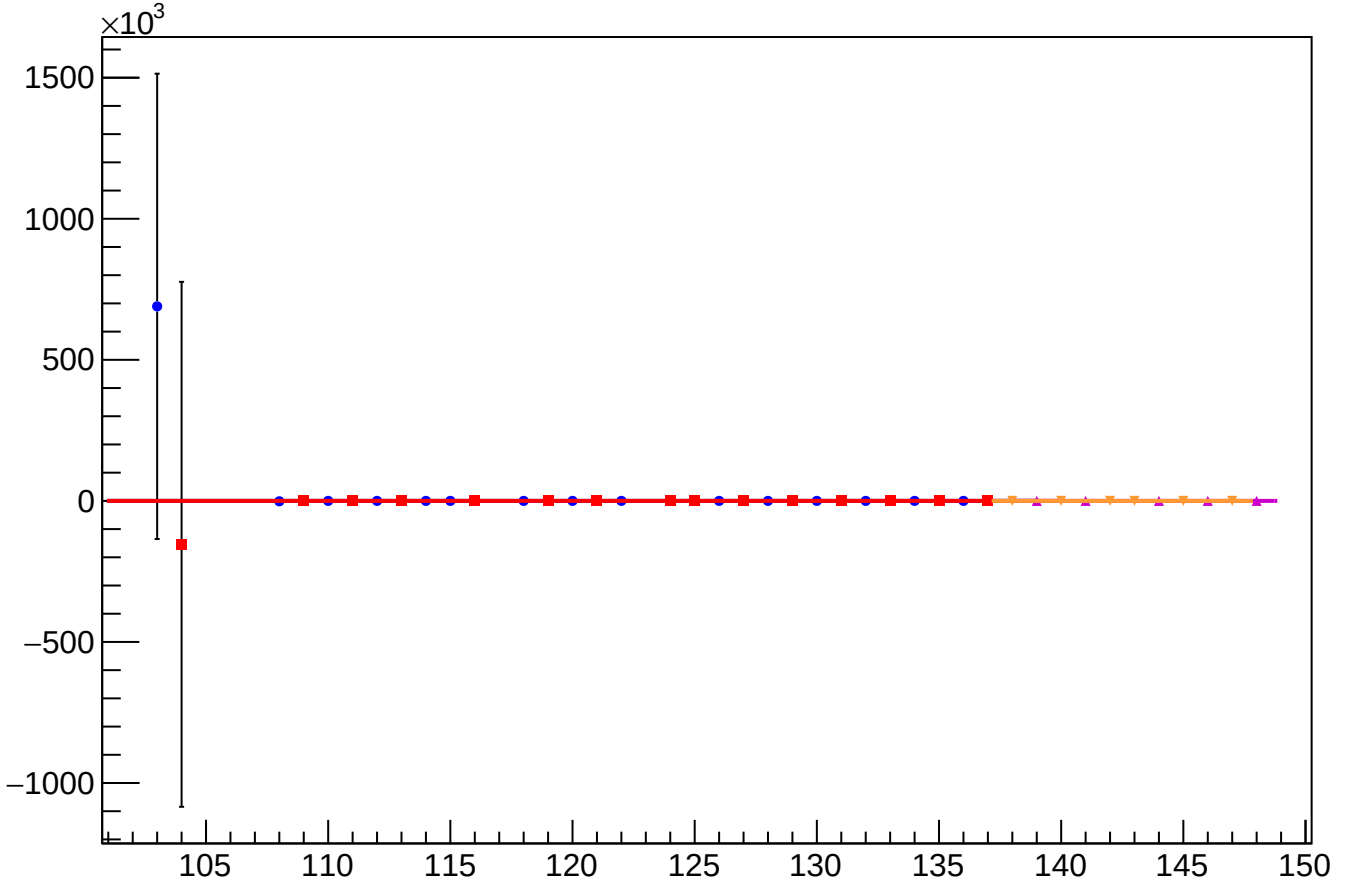
Left In: 1546.134+/-0.530 χ^2/NDF:163132.2/4

+ sign 1718.887+/-0.422 χ^2/NDF: 3340887.0/18

All: 1766.396+/-0.308 χ^2/NDF: 6538679.1/37

- sign 1820.533+/-0.451 χ^2/NDF: 3170681.4/18

diff_bpm1p03aY_mean vs Slug



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

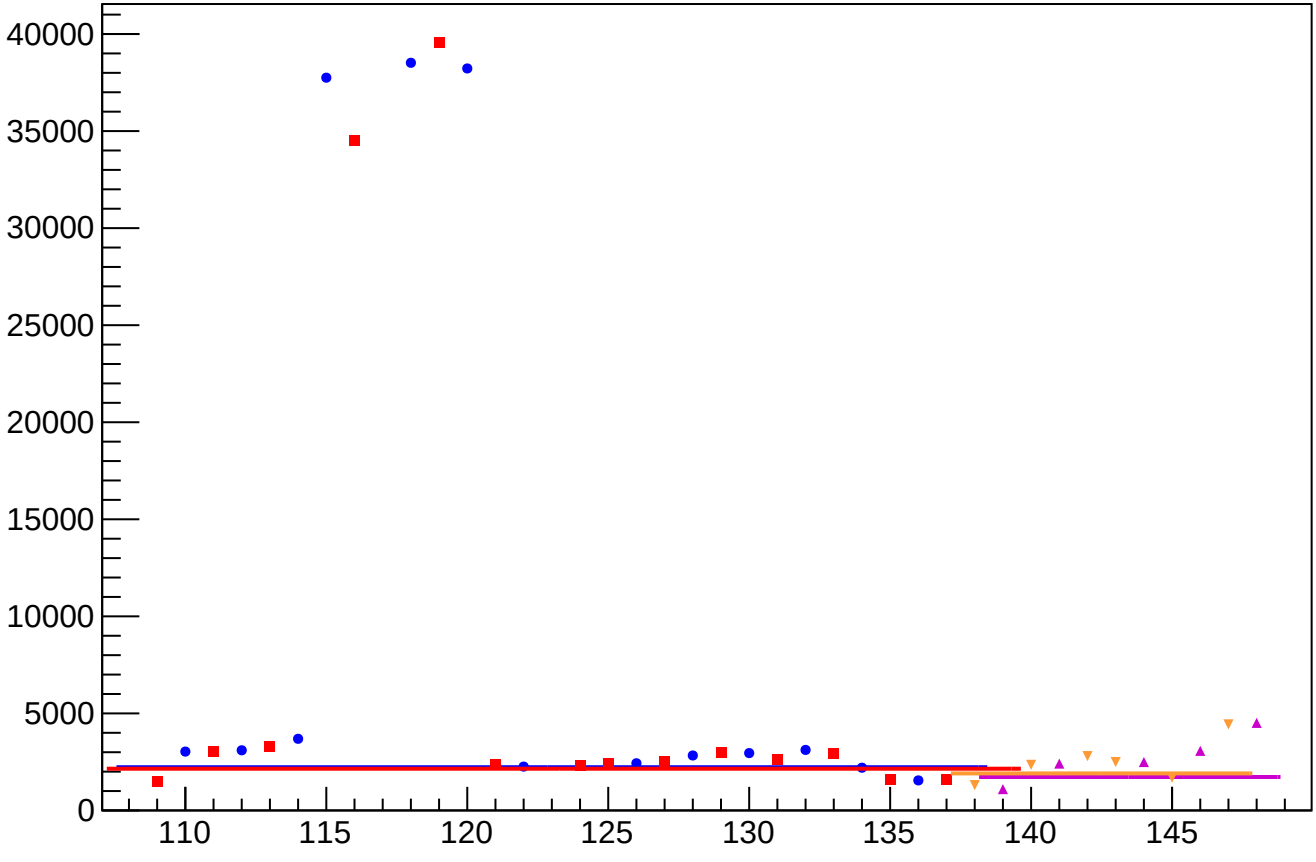
Left In: 0.477+/-0.946 χ^2/NDF:2.0/4

+ sign -0.003+/-0.729 χ^2/NDF: 16.1/20

All: -0.304+/-0.506 χ^2/NDF: 36.6/40

- sign -0.583+/-0.703 χ^2/NDF: 20.1/19

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

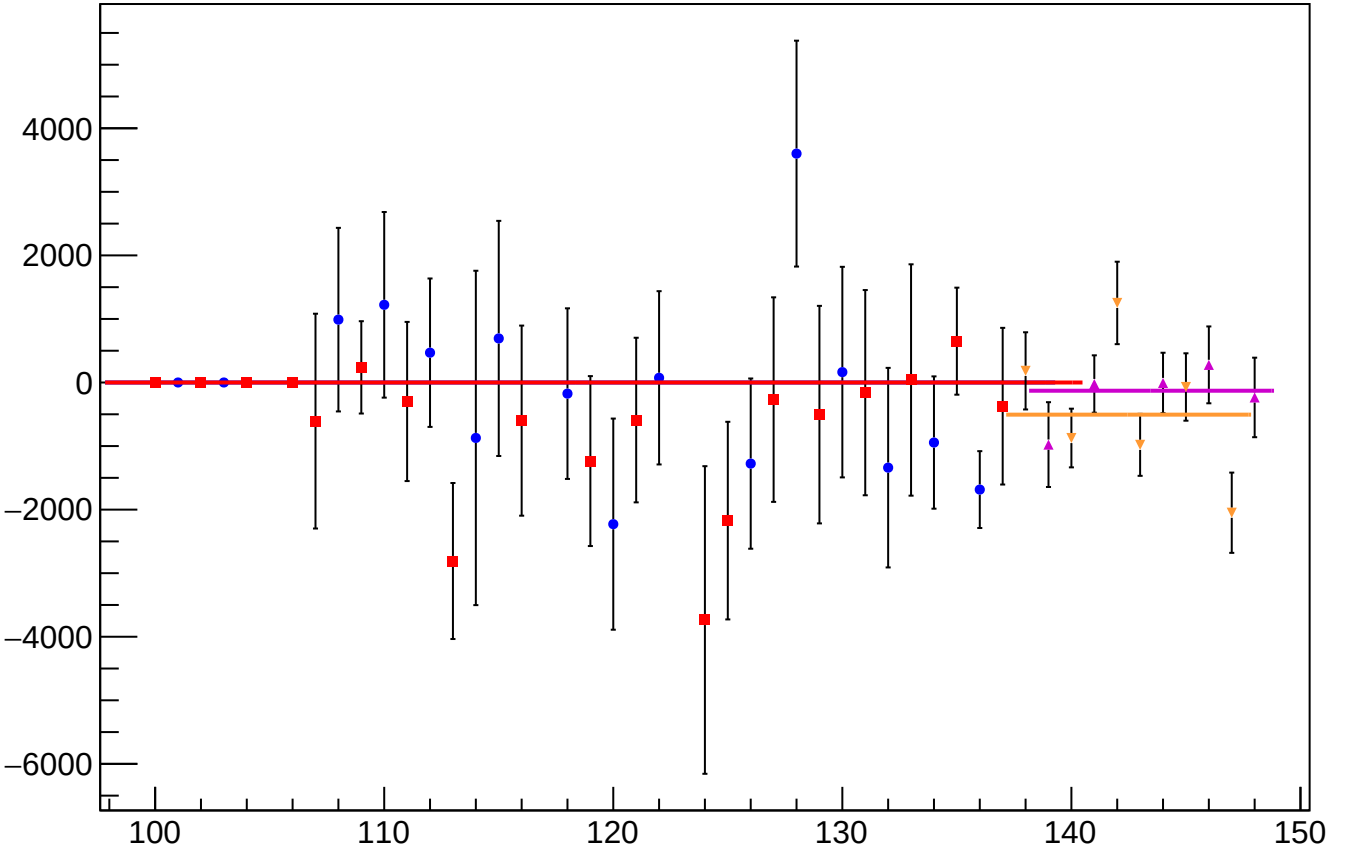
Left In: 1723.648+/-0.669 χ^2/NDF:1777787.1/4

+ sign 2054.423+/-0.516 χ^2/NDF: 3679717.0/18

All: 1982.081+/-0.358 χ^2/NDF: 7909205.1/37

- sign 1914.744+/-0.497 χ^2/NDF: 4191471.4/18

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

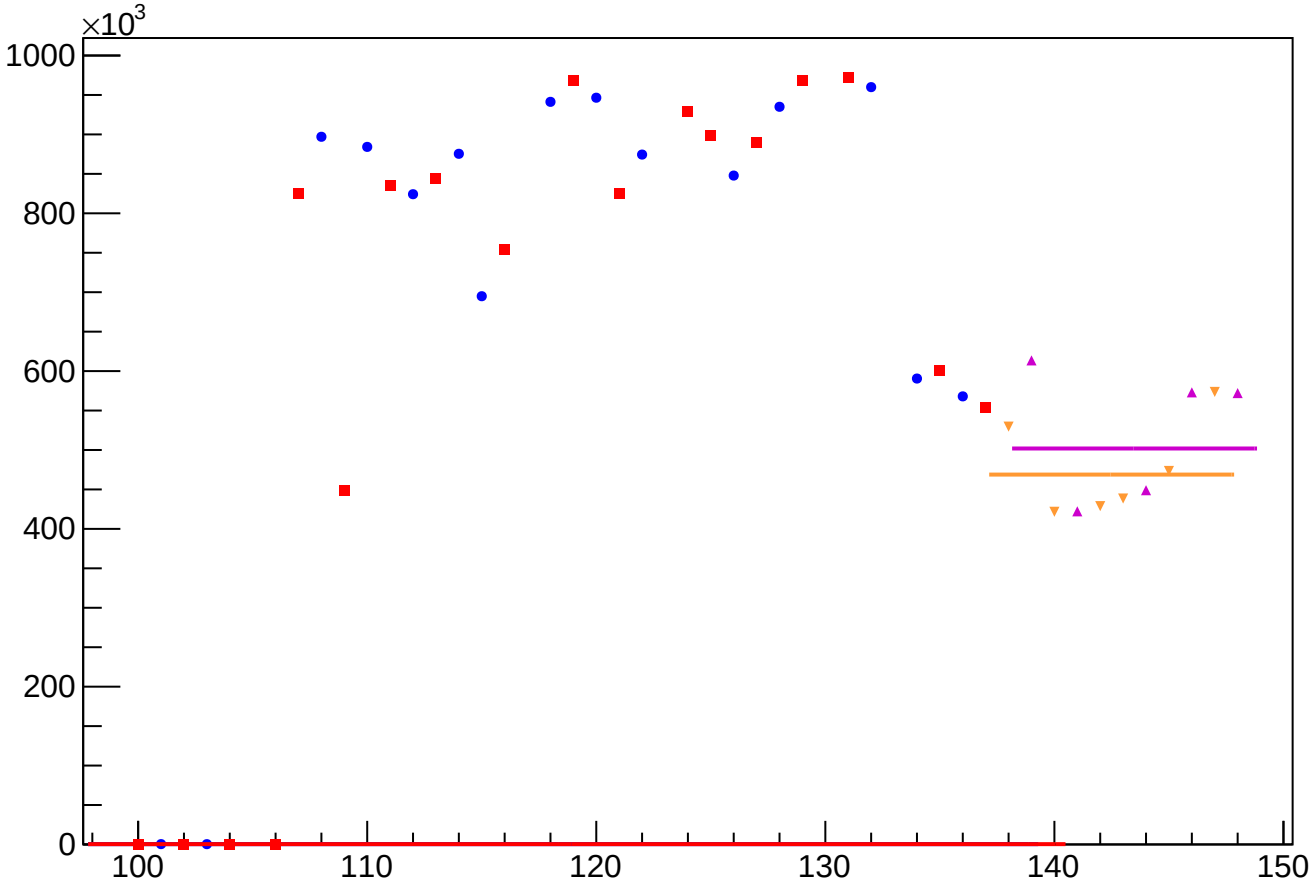
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -129.377+/-243.456 χ^2/NDF:2.2/4

\+ sign 0.254+/-0.356 χ^2/NDF: 39.7/21

All: 0.168+/-0.241 χ^2/NDF: 57.8/45

\- sign 0.096+/-0.328 χ^2/NDF: 17.9/23



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

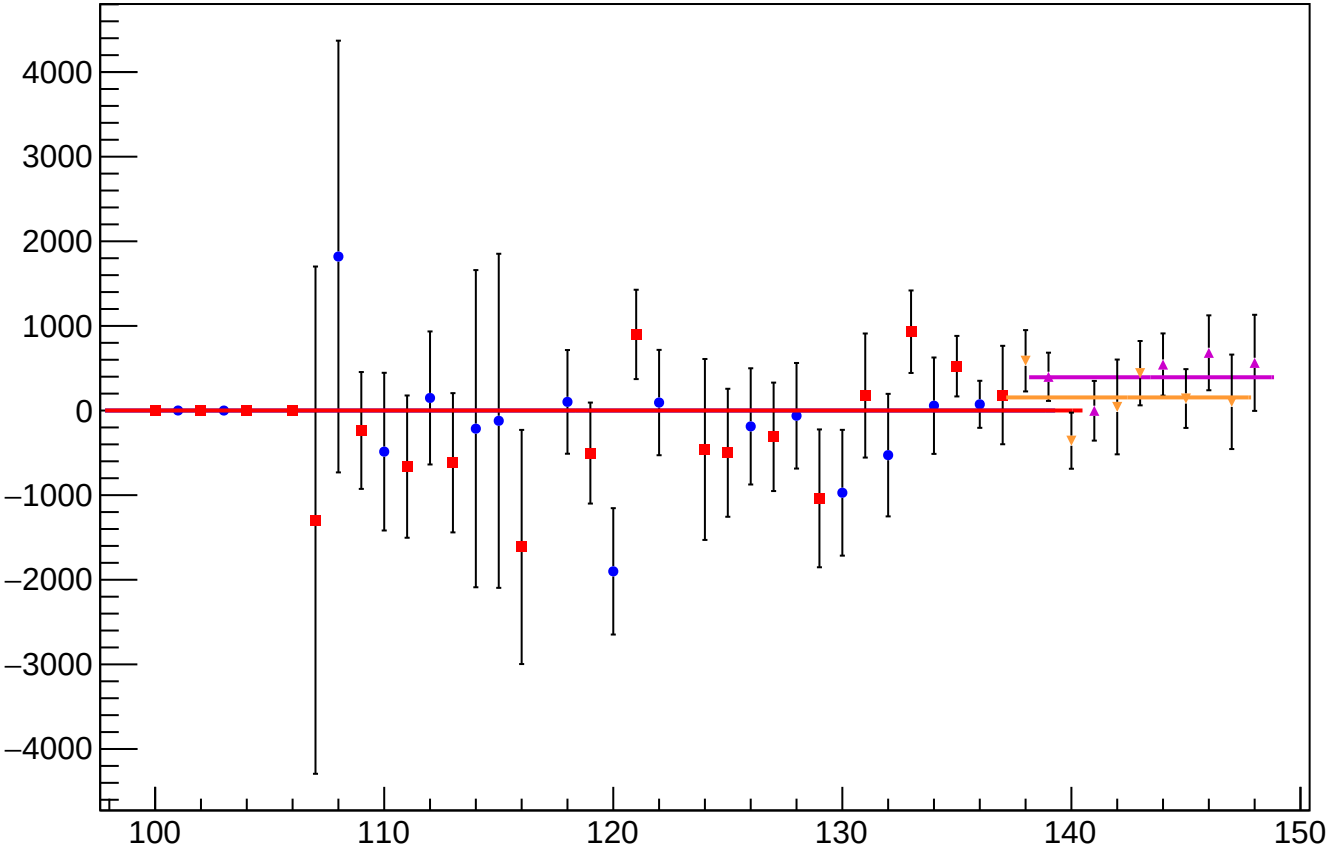
Left In: 501891.842+/-172.149 χ^2/NDF:195975.3/4

+ sign 400.069+/-0.251 χ^2/NDF: 17402162.0/20

All: 396.868+/-0.170 χ^2/NDF: 33733500.5/43

- sign 394.149+/-0.232 χ^2/NDF: 16331038.9/22

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

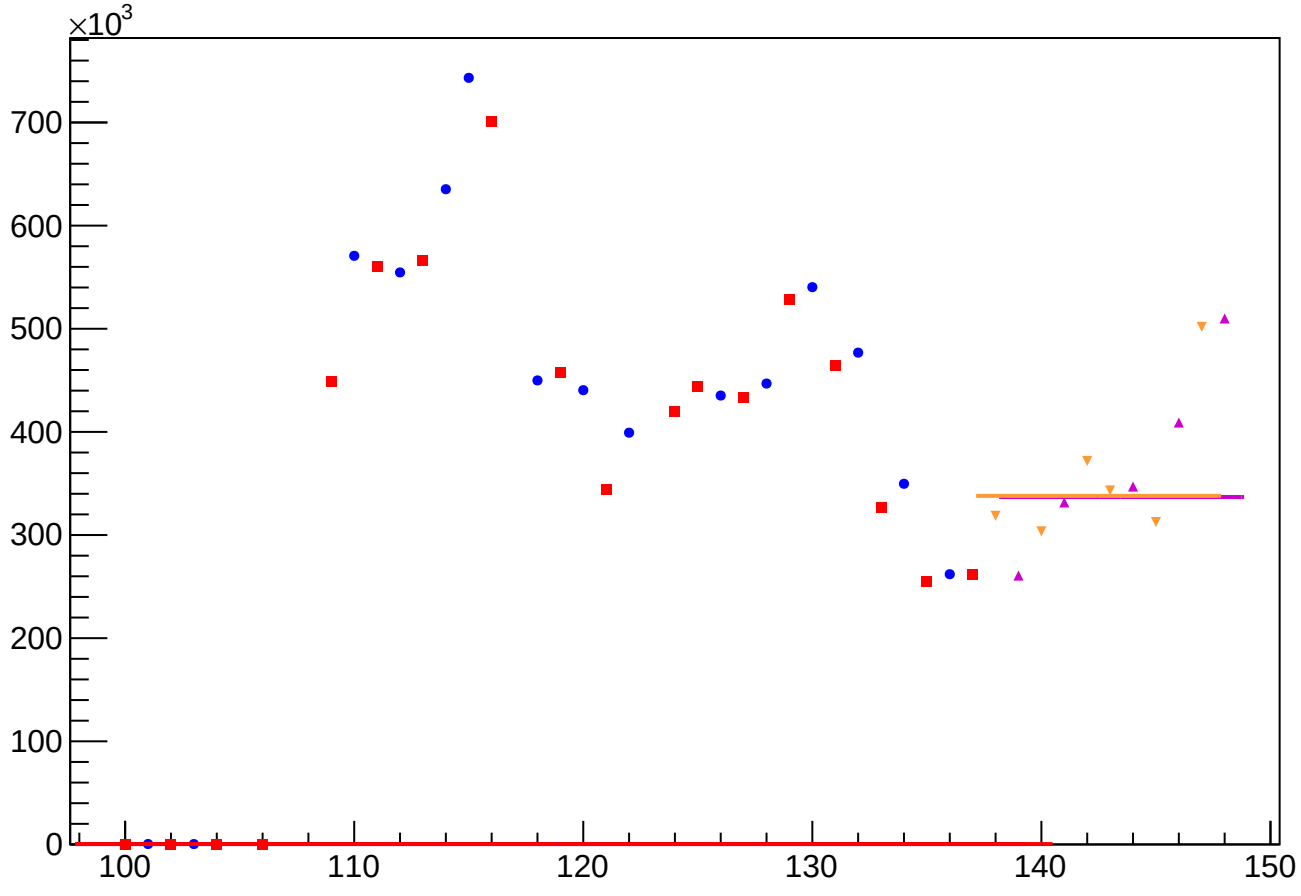
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 393.247+/-166.775 χ^2/NDF:1.9/4

+ sign -0.020+/-0.347 χ^2/NDF: 15.8/21

All: 0.312+/-0.237 χ^2/NDF: 40.0/45

- sign 0.600+/-0.324 χ^2/NDF: 22.5/23



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

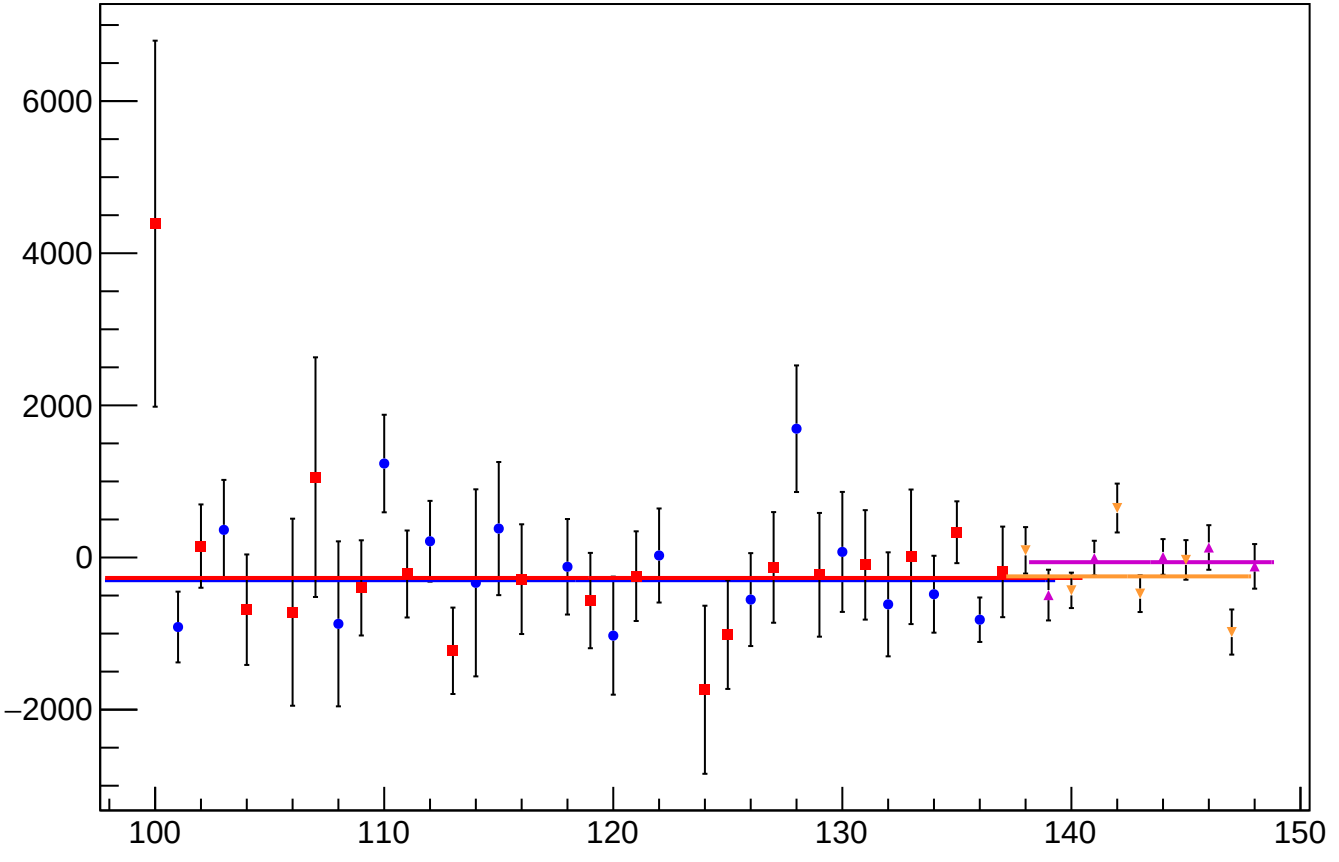
Left In: 336862.425+/-117.953 χ^2/NDF:383647.1/4

+ sign 391.834+/-0.245 χ^2/NDF: 20080365.4/20

All: 390.453+/-0.167 χ^2/NDF: 39675789.9/43

- sign 389.252+/-0.229 χ^2/NDF: 19595365.3/22

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

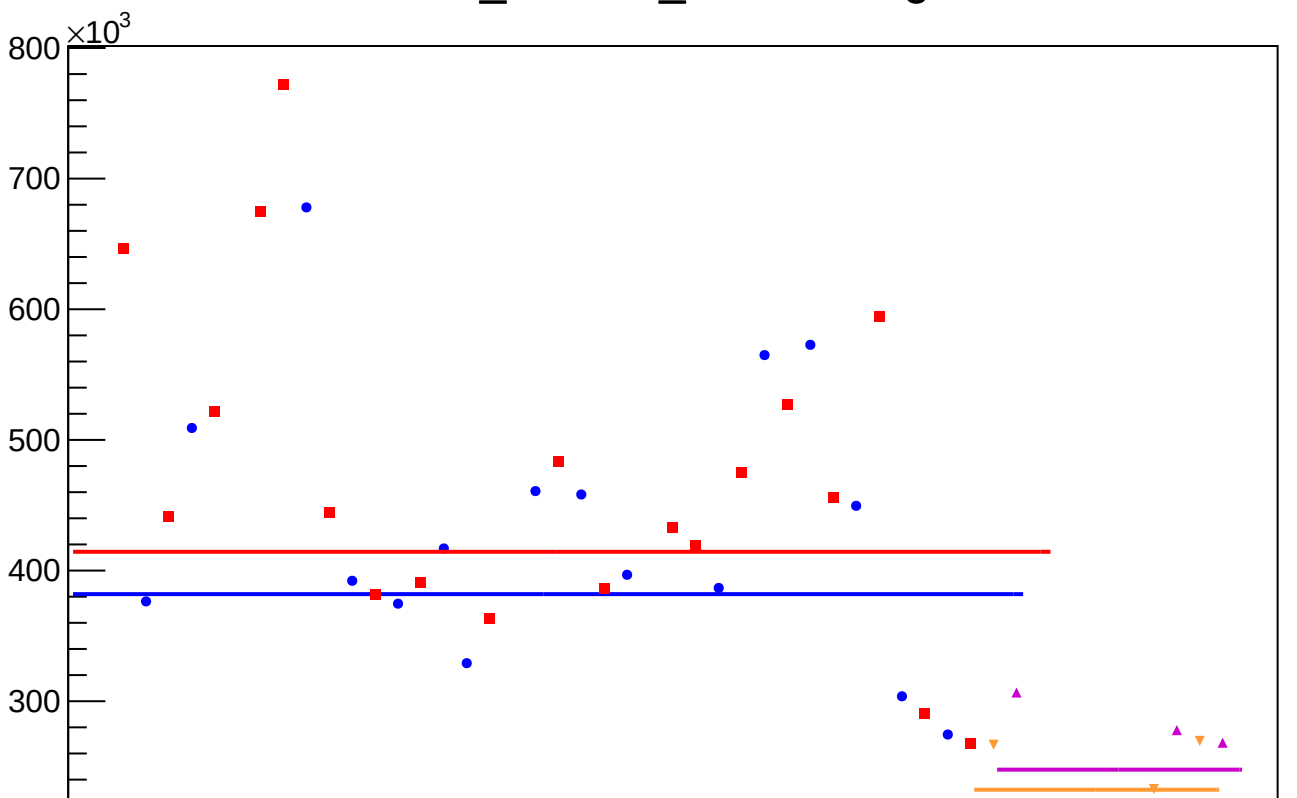
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -61.510+/-119.838 χ^2/NDF:2.3/4

+ sign -266.156+/-88.346 χ^2/NDF: 38.6/21

All: -206.886+/-64.747 χ^2/NDF: 56.9/45

- sign -138.112+/-95.165 χ^2/NDF: 17.3/23



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

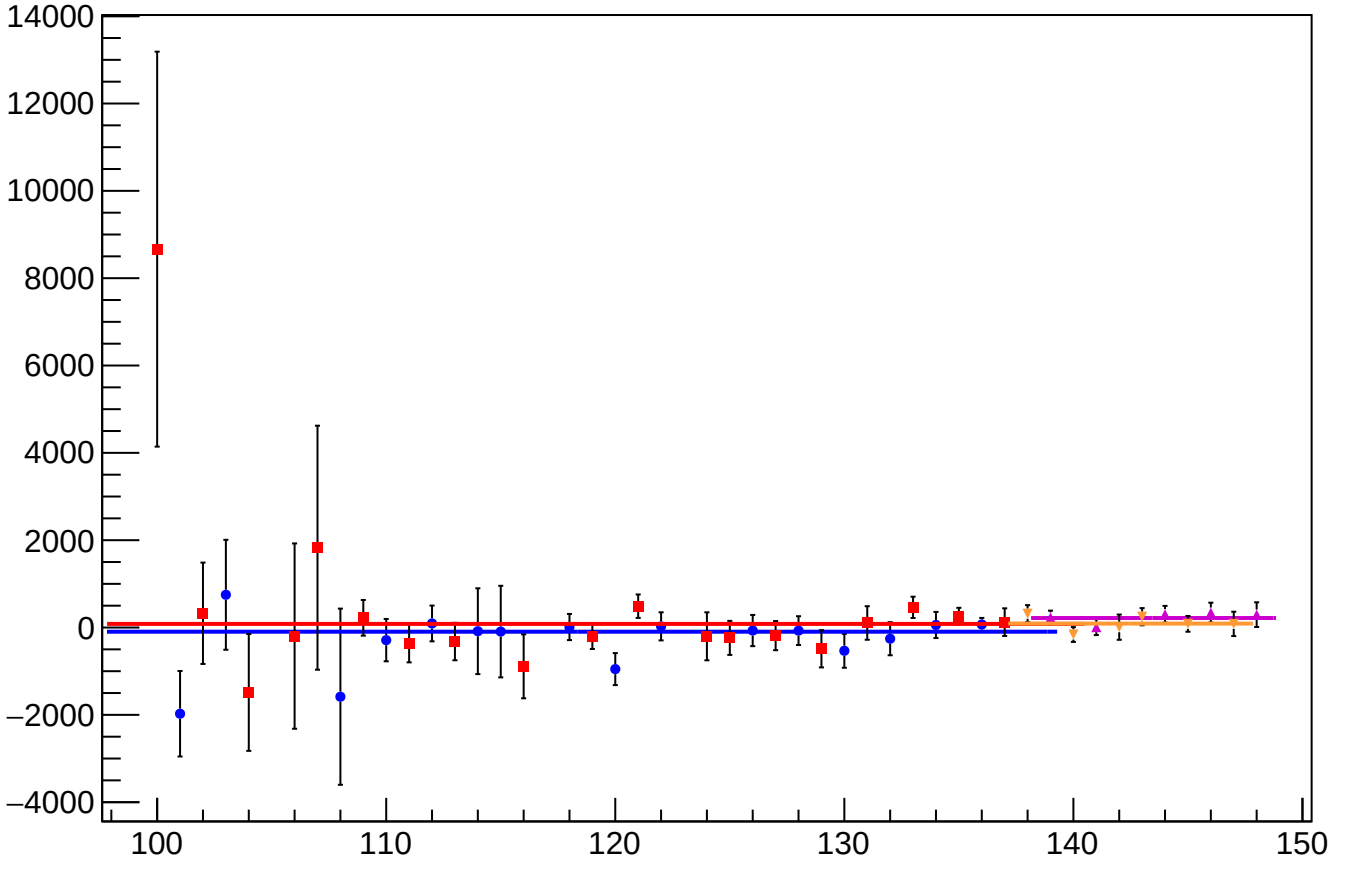
Left In: 247621.833+/-84.738 χ^2/NDF:162603.3/4

+ sign 286033.657+/-62.474 χ^2/NDF: 2244810.9/21

All: 296756.146+/-45.786 χ^2/NDF: 4661144.

- sign 309198.560+/-67.298 χ^2/NDF: 2352694.4/23

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

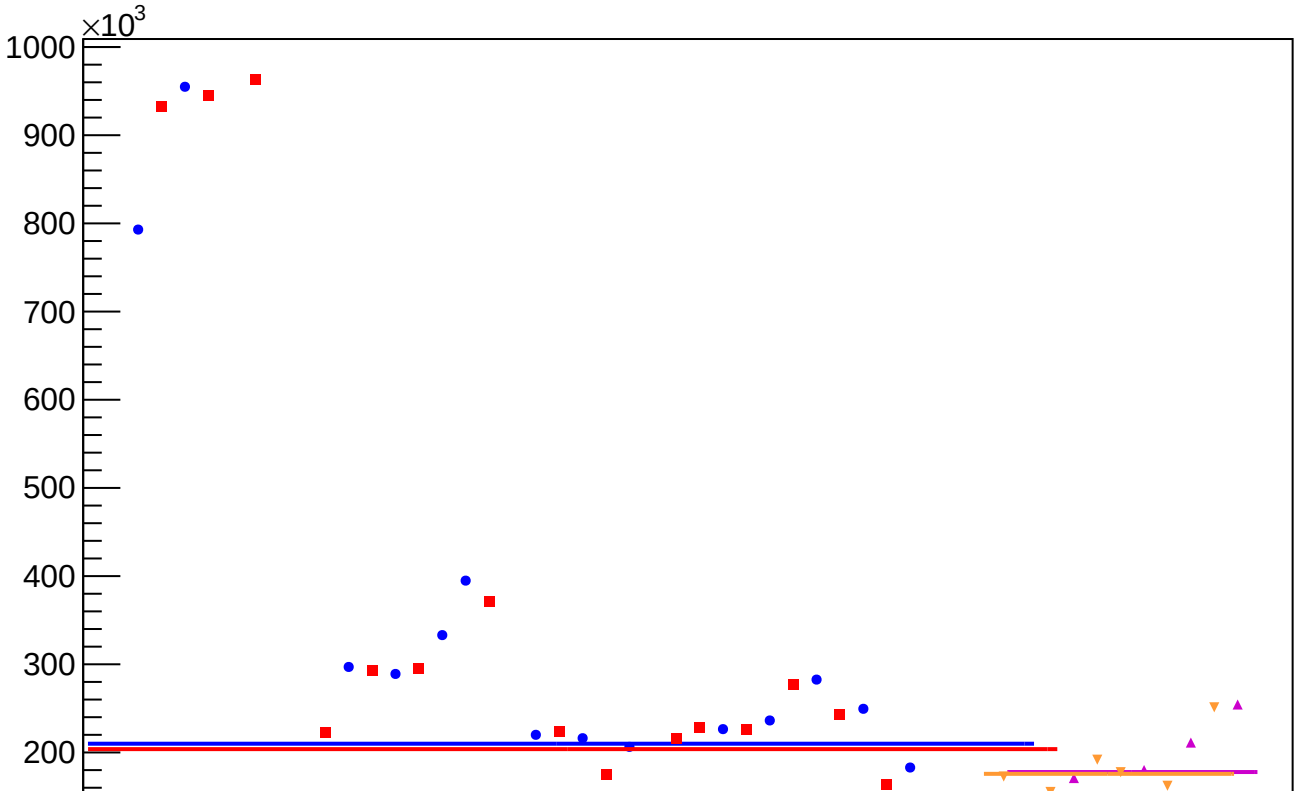
Left In: 217.785+/-87.416 χ^2/NDF:1.9/4

+ sign 2.017+/-60.795 χ^2/NDF: 20.3/21

All: 74.916+/-43.332 χ^2/NDF: 45.4/45

- sign 150.190+/-61.777 χ^2/NDF: 22.2/23

diff_cav4cY_rms vs Slug



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

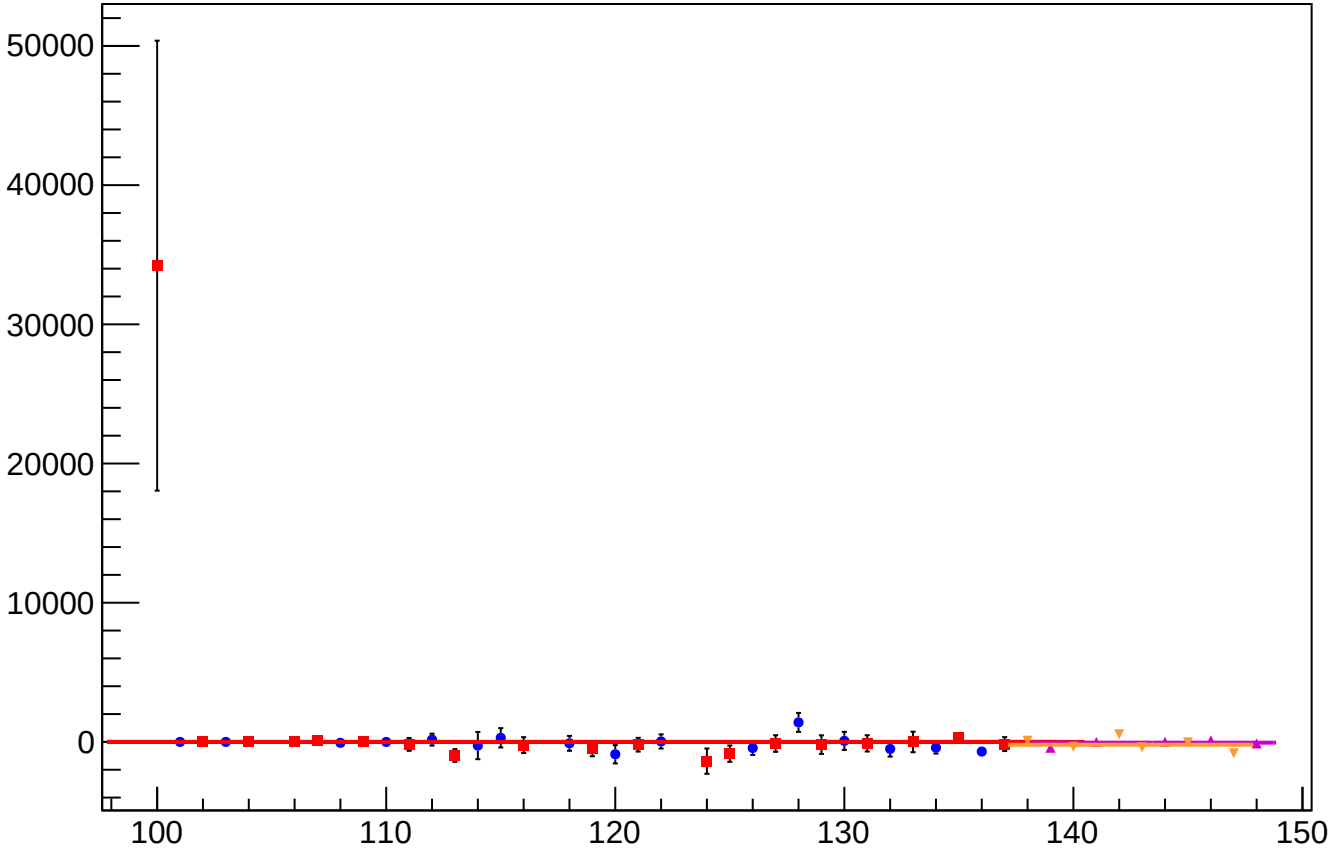
Left In: 177809.722+/-61.813 χ^2/NDF:297378.1/4

+ sign 191942.808+/-43.024 χ^2/NDF: 2310642.2/20

All: 191373.091+/-30.672 χ^2/NDF: 4767089.

- sign 190784.336+/-43.737 χ^2/NDF: 2456091.0/21

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

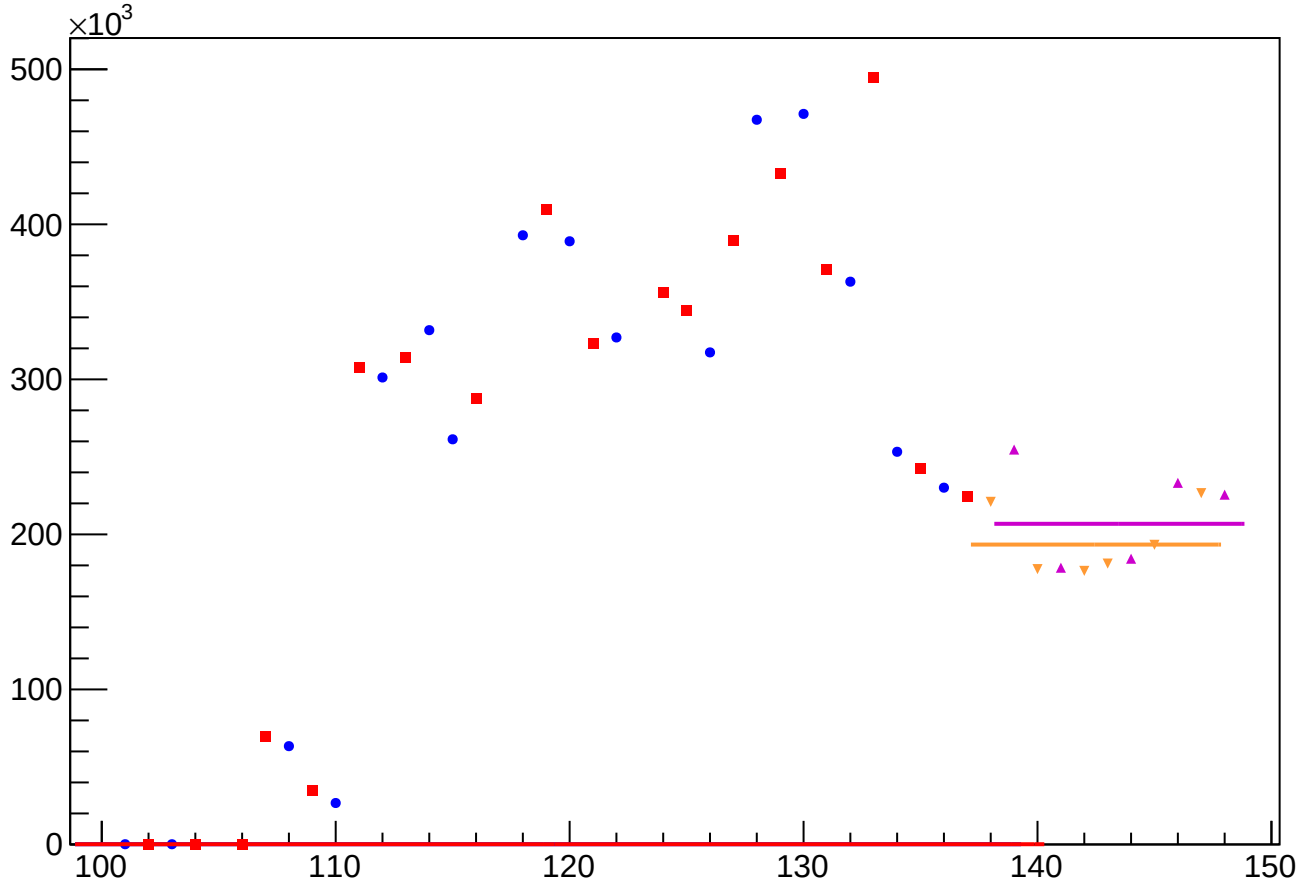
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -53.882+/-100.112 χ^2/NDF:2.4/4

+ sign -0.036+/-0.172 χ^2/NDF: 40.4/21

All: -0.207+/-0.117 χ^2/NDF: 61.4/45

- sign -0.355+/-0.160 χ^2/NDF: 19.2/23



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193437.146+/-65.036 χ^2/NDF:87867.7/5

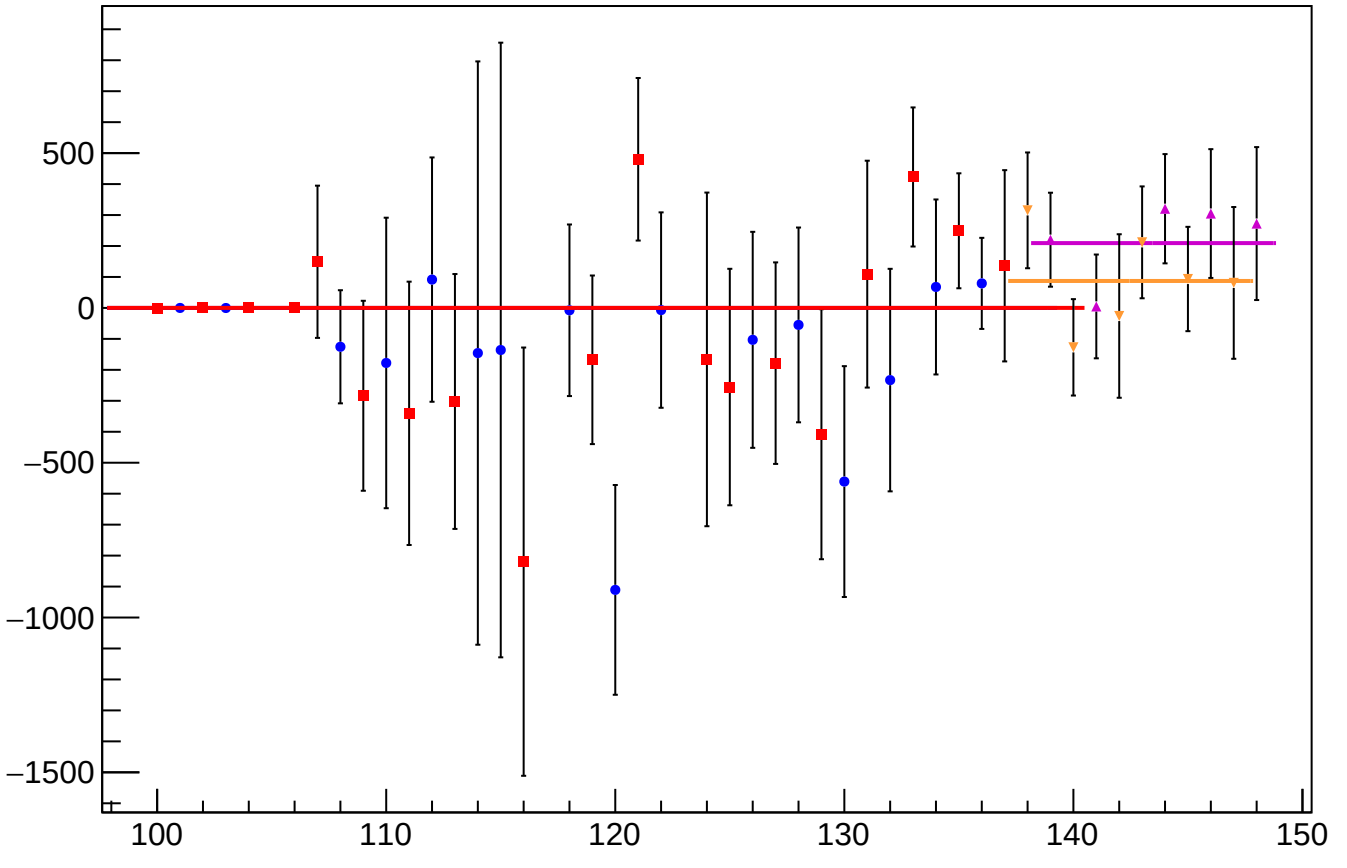
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206827.936+/-70.790 χ^2/NDF:165263.1/4

\+ sign 149.770+/-0.122 χ^2/NDF: 20222773.0/21

All: 149.844+/-0.083 χ^2/NDF: 40200763.7/44

\- sign 149.907+/-0.113 χ^2/NDF: 19977990.0/22



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.069+/-77.450 χ^2/NDF:4.0/5

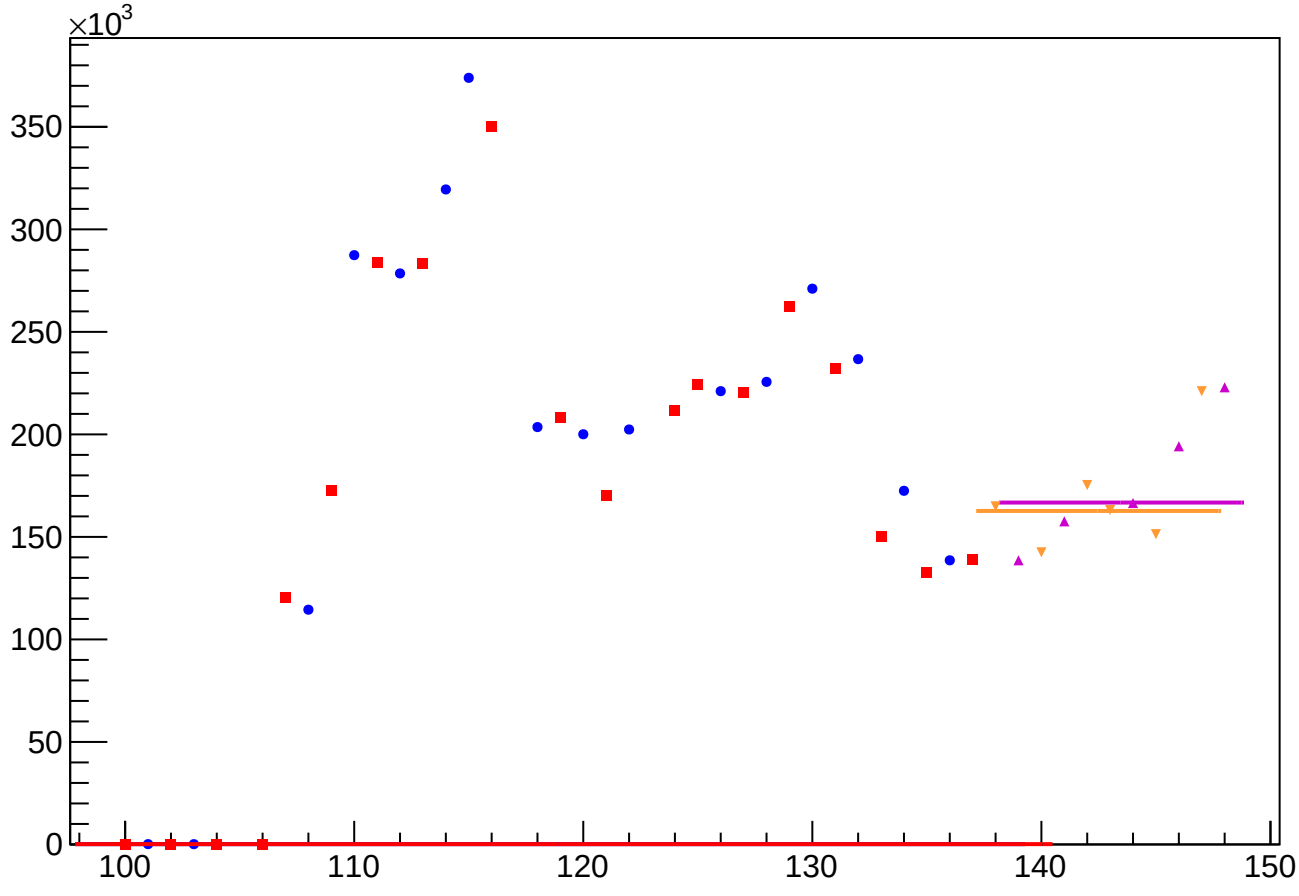
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 209.385+/-81.481 χ^2/NDF:2.2/4

+ sign -0.068+/-0.177 χ^2/NDF: 16.5/21

All: 0.036+/-0.121 χ^2/NDF: 41.2/45

- sign 0.127+/-0.166 χ^2/NDF: 24.0/23



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

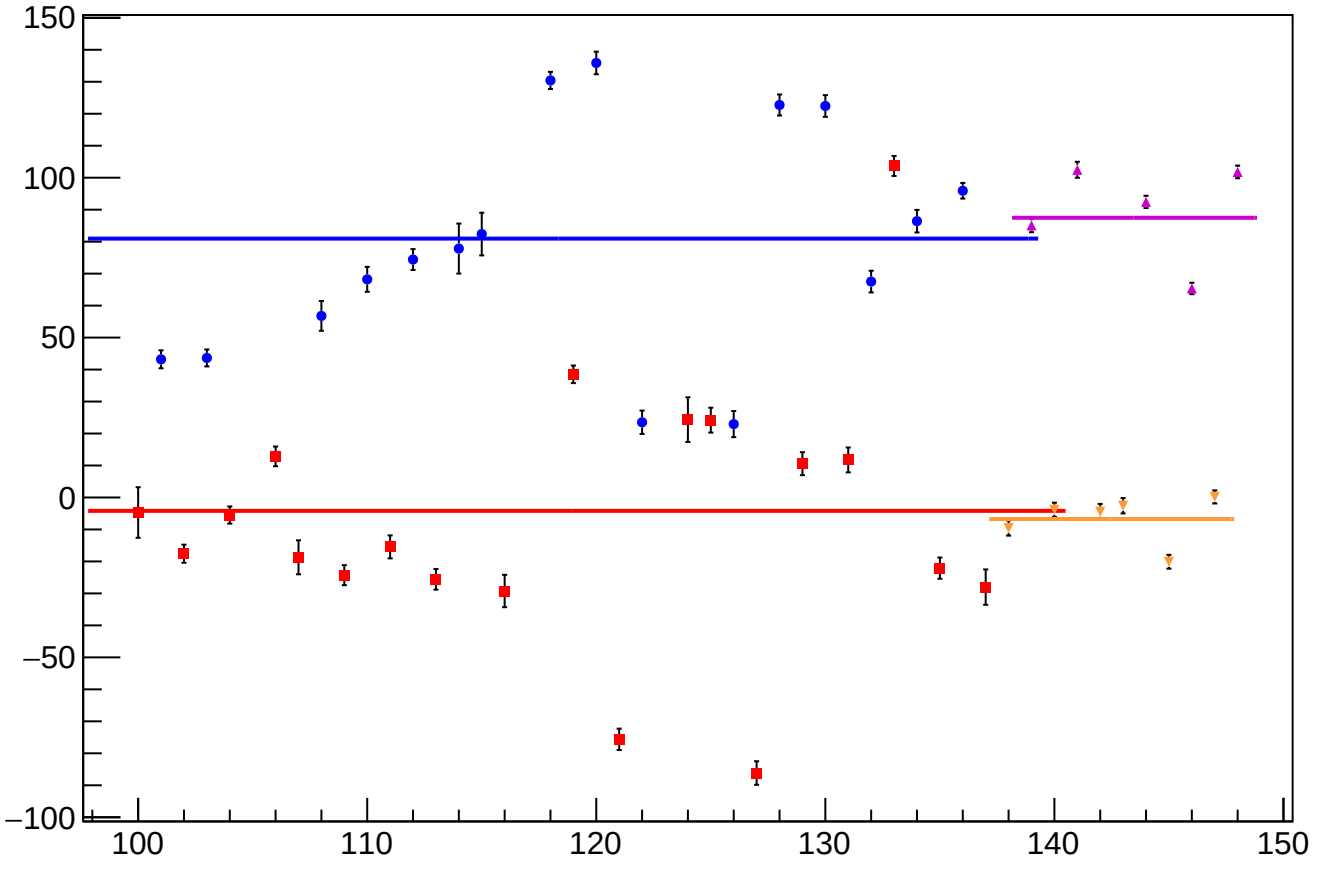
Left In: 166754.215+/-57.616 χ^2/NDF:213271.7/4

+ sign 154.311+/-0.125 χ^2/NDF: 20870715.4/21

All: 155.661+/-0.086 χ^2/NDF: 40776044.5/45

- sign 156.853+/-0.118 χ^2/NDF: 19905110.6/23

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

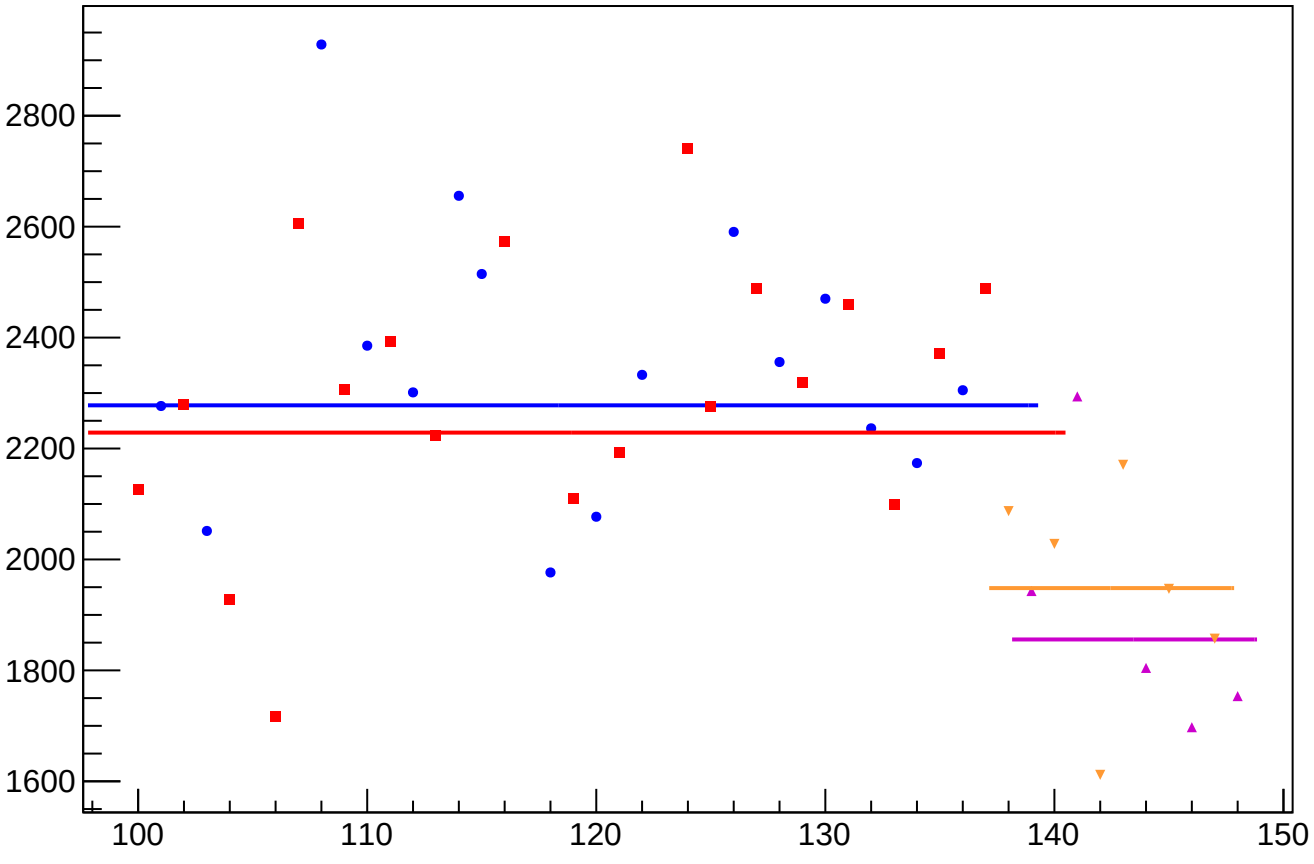
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 87.471+/-0.905 χ^2/NDF:248.7/4

+ sign 40.672+/-0.626 χ^2/NDF: 6742.7/21

All: 38.852+/-0.436 χ^2/NDF: 15358.2/45

- sign 37.136+/-0.608 χ^2/NDF: 8599.1/23



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

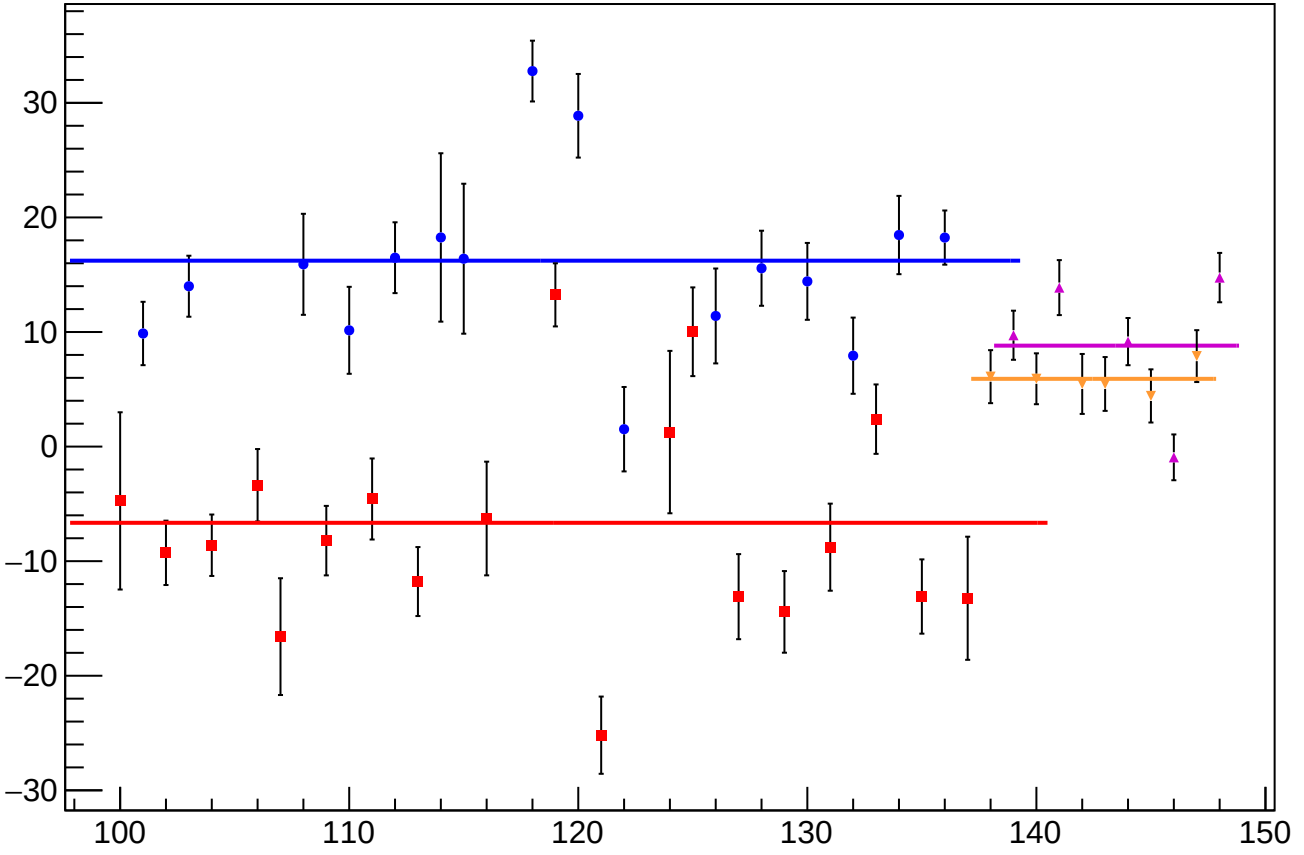
Left In: 1855.741+/-0.640 χ^2/NDF:87139.3/4

+ sign 2126.499+/-0.443 χ^2/NDF: 322252.6/21

All: 2092.552+/-0.308 χ^2/NDF: 758408.5/45

- sign 2060.560+/-0.430 χ^2/NDF: 424733.6/23

diff_bpm0i01Y_mean vs Slug



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

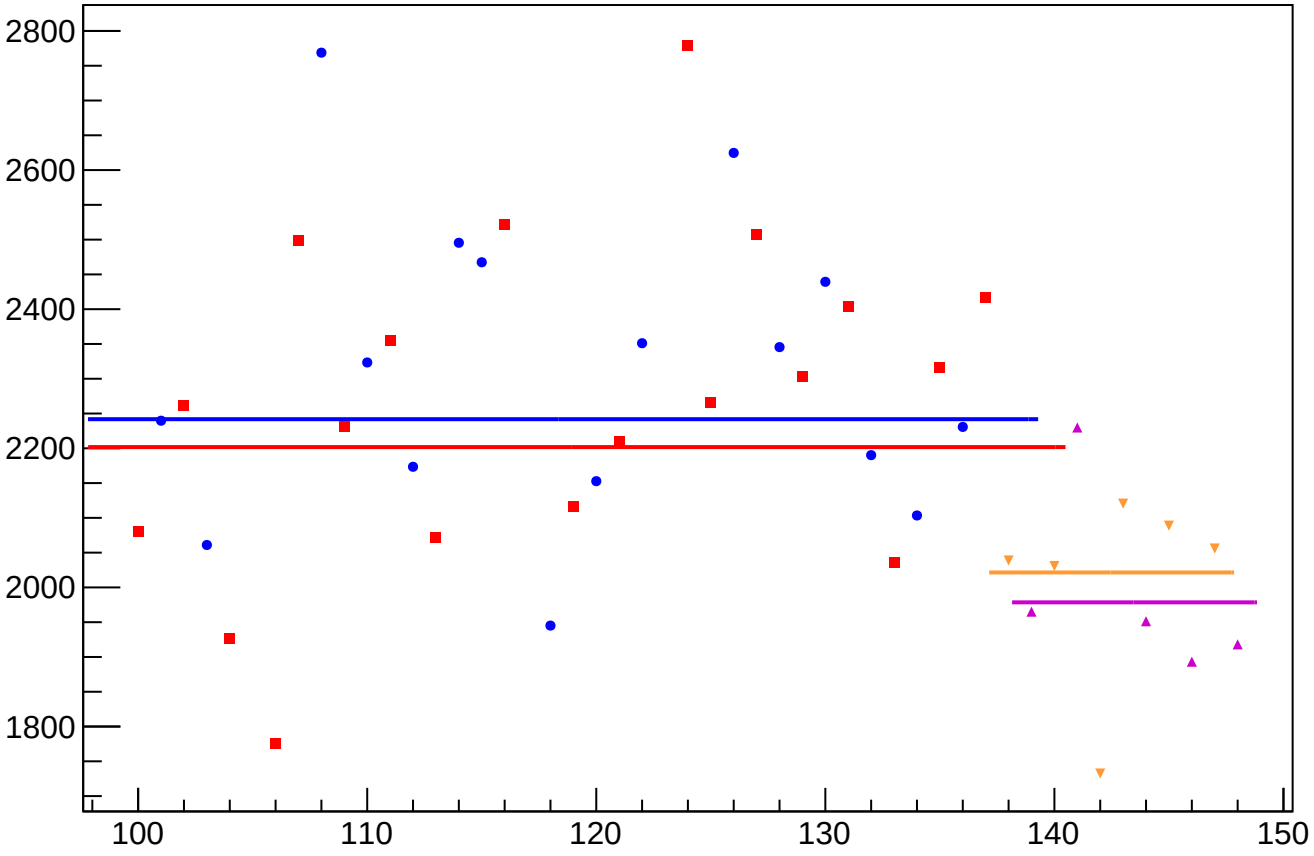
Left In: 8.810+/-0.957 χ^2/NDF:36.1/4

+ sign 11.739+/-0.630 χ^2/NDF: 151.7/21

All: 5.657+/-0.441 χ^2/NDF: 657.9/45

- sign -0.203+/-0.618 χ^2/NDF: 322.9/23

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

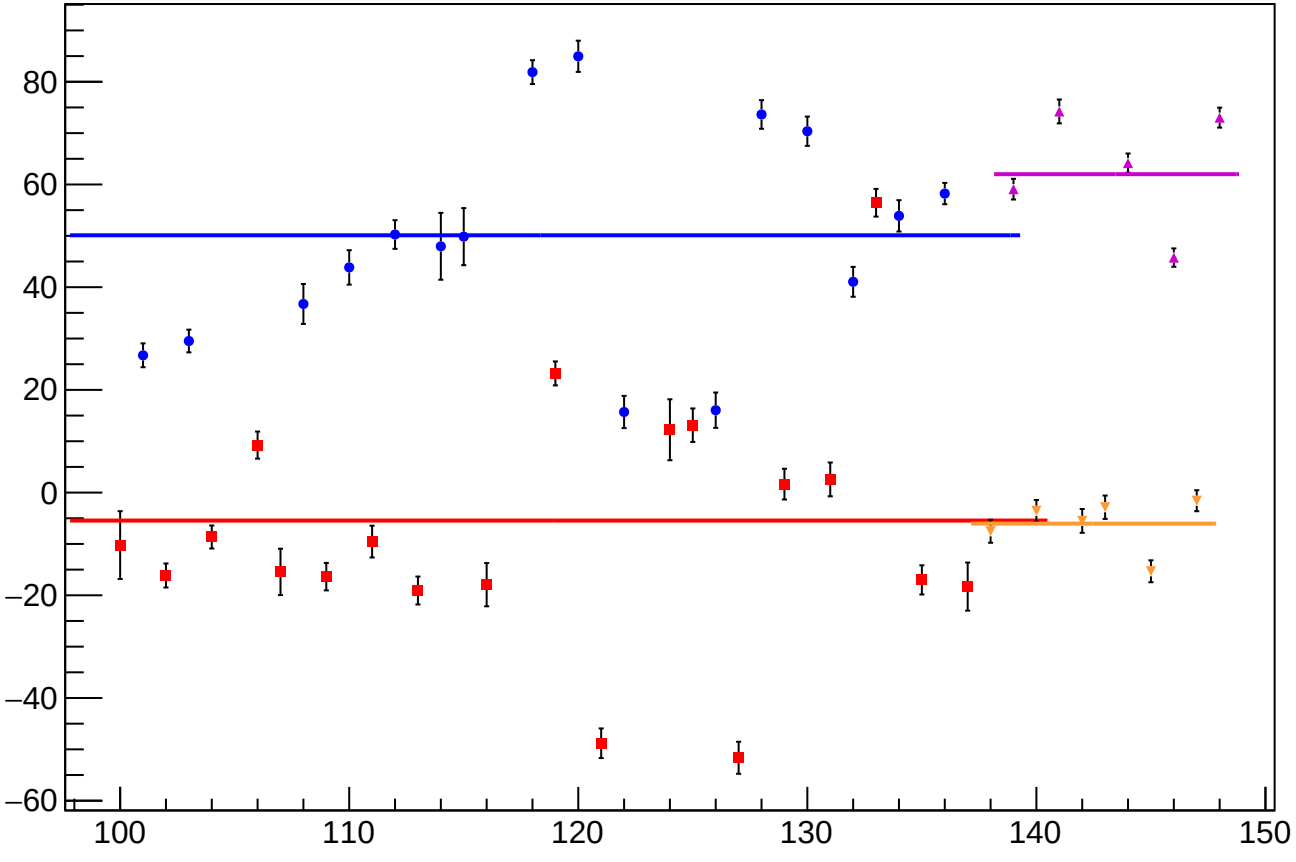
Left In: 1978.516+/-0.676 χ^2/NDF:27587.8/4

+ sign 2145.990+/-0.445 χ^2/NDF: 192715.0/21

All: 2126.959+/-0.312 χ^2/NDF: 417241.4/45

- sign 2108.627+/-0.437 χ^2/NDF: 220938.1/23

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

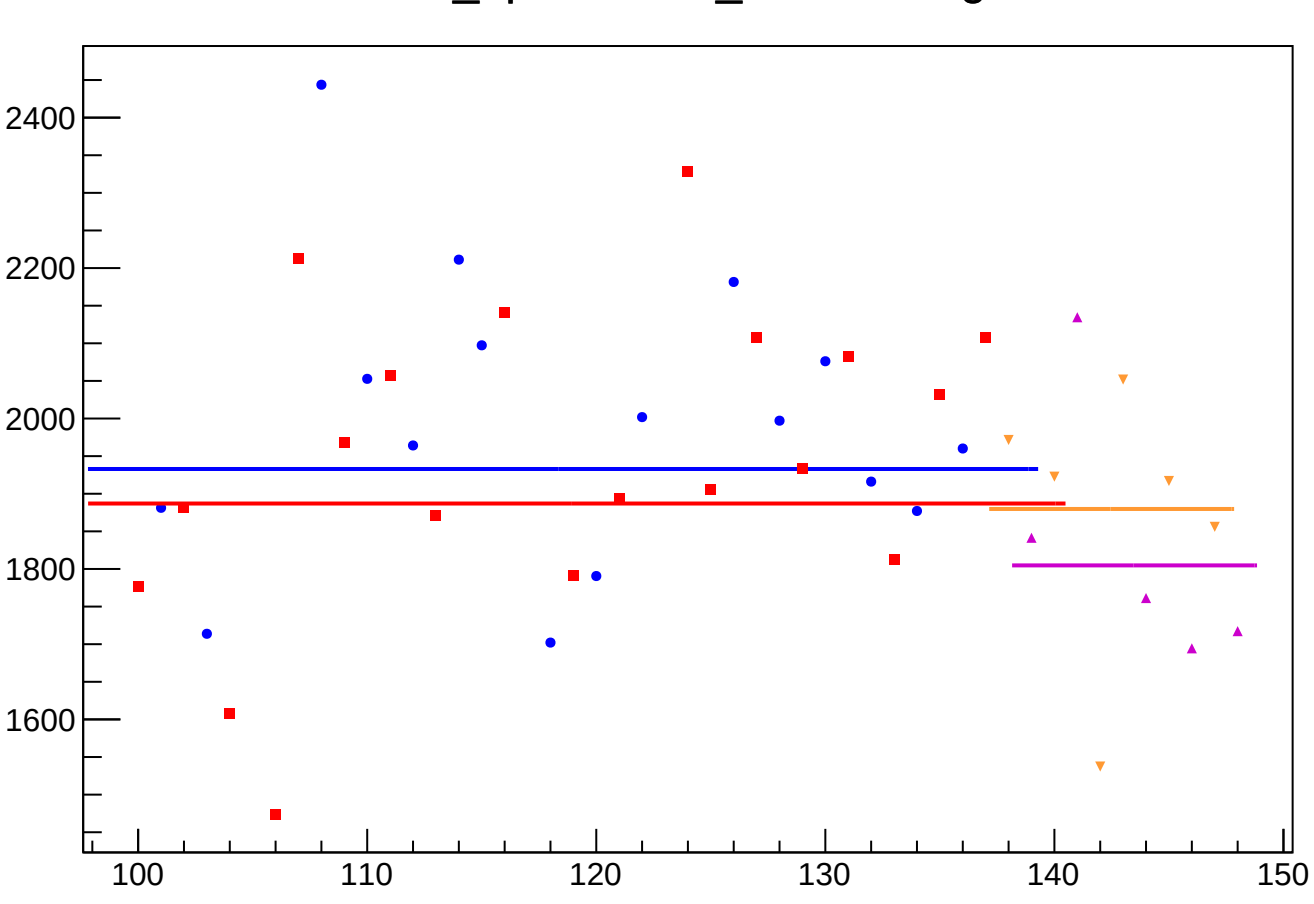
Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: 62.005+/-0.878 χ^2/NDF:145.6/4

+ sign 27.822+/-0.561 χ^2/NDF: 3314.8/21

All: 24.050+/-0.391 χ^2/NDF: 8489.0/45

- sign 20.491+/-0.545 χ^2/NDF: 5086.3/23



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

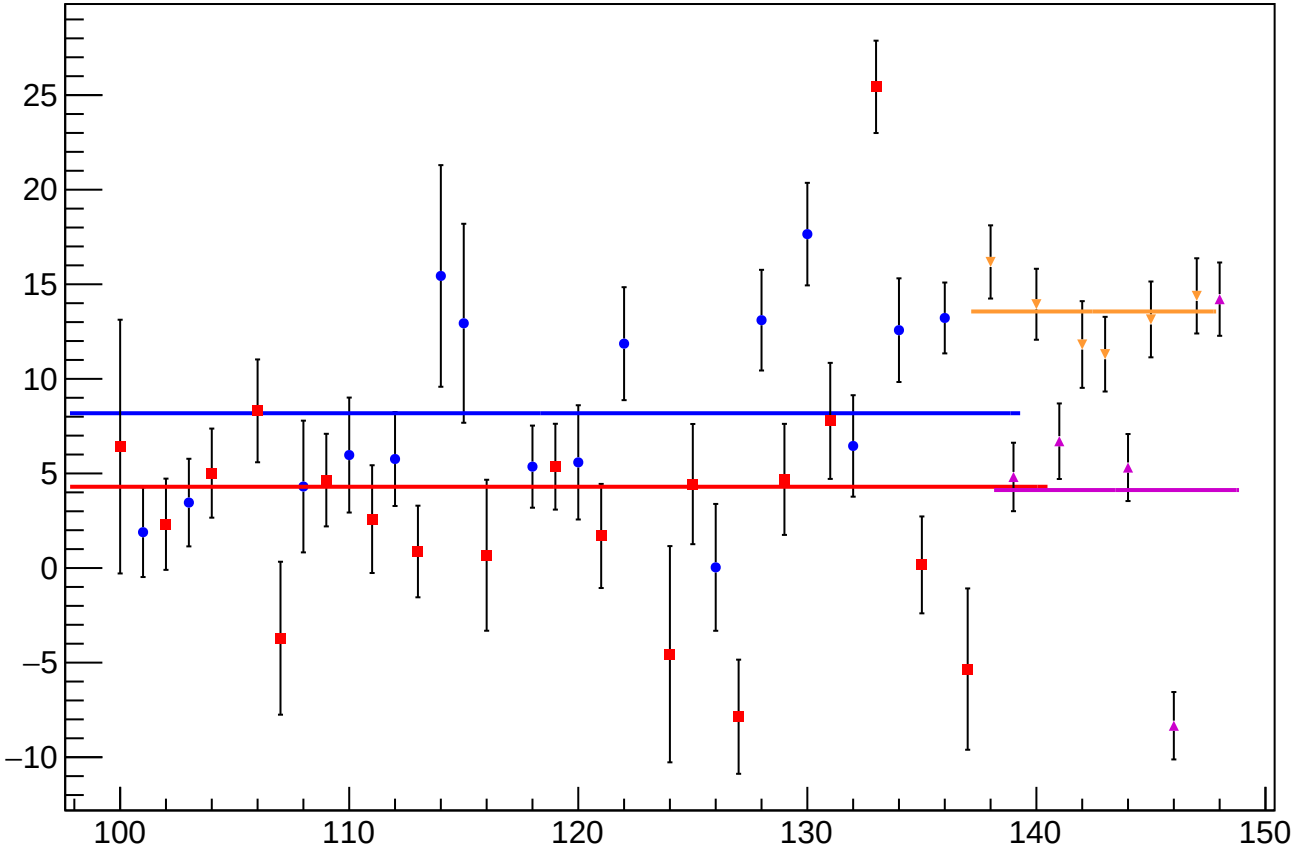
Left In: 1804.748+/-0.621 χ^2/NDF:53657.9/4

+ sign 1911.816+/-0.397 χ^2/NDF: 170389.4/21

All: 1882.772+/-0.276 χ^2/NDF: 395012.2/45

- sign 1855.377+/-0.385 χ^2/NDF: 214199.7/23

diff_bpm0i01aY_mean vs Slug



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

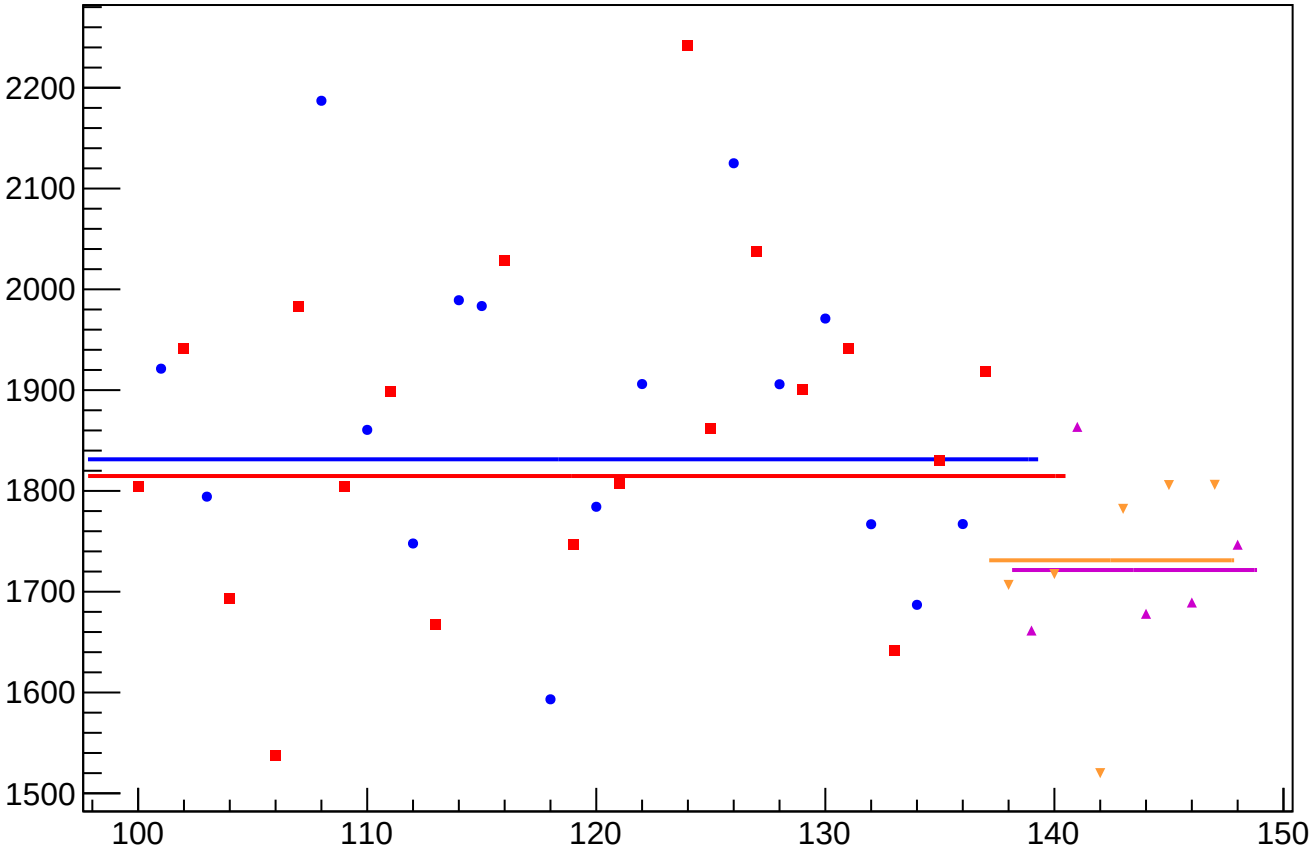
Left In: 4.123+/-0.829 χ^2/NDF:78.3/4

+ sign 10.400+/-0.524 χ^2/NDF: 81.4/21

All: 7.283+/-0.369 χ^2/NDF: 343.7/45

- sign 4.228+/-0.519 χ^2/NDF: 192.3/23

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

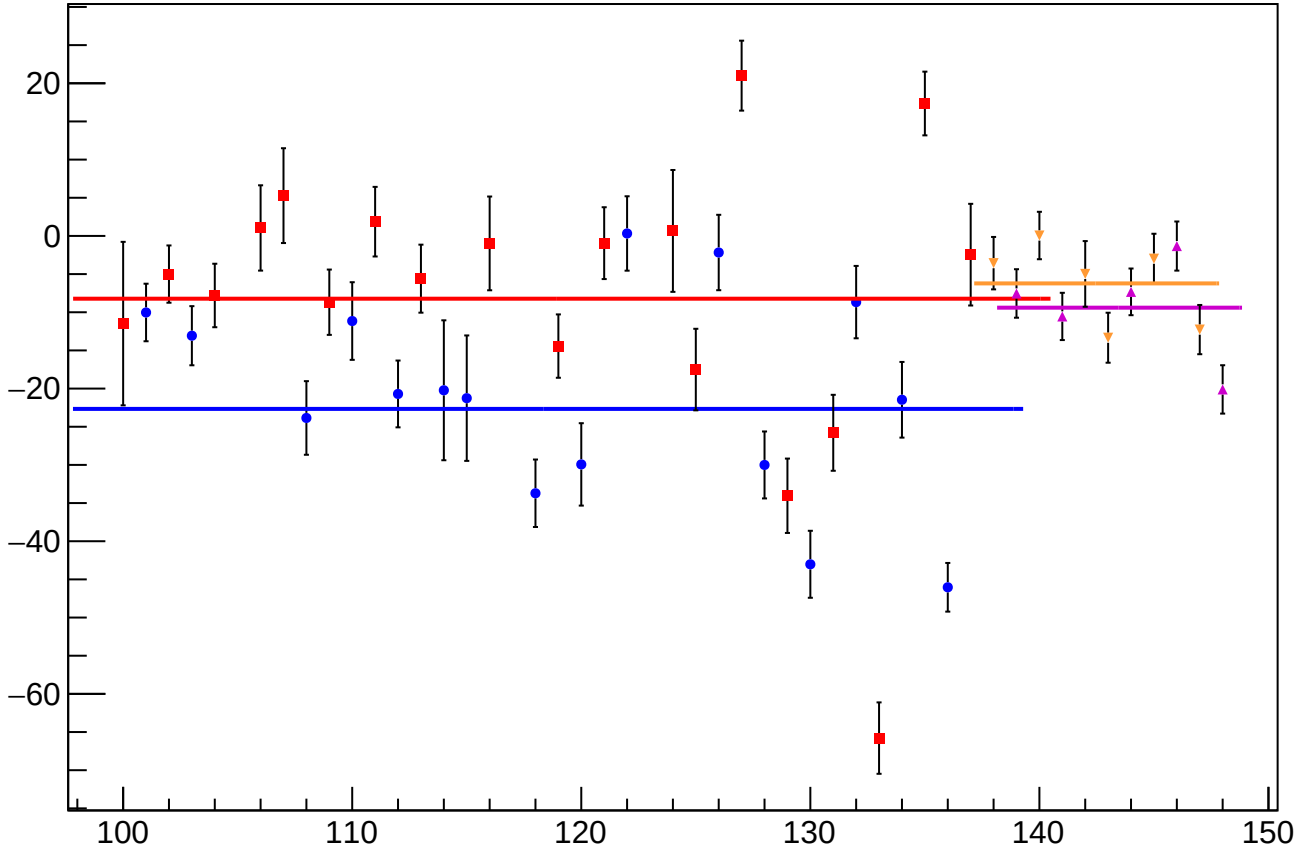
Left In: 1721.522+/-0.586 χ^2/NDF:14509.5/4

+ sign 1790.064+/-0.371 χ^2/NDF: 128984.1/21

All: 1784.079+/-0.261 χ^2/NDF: 250146.3/45

- sign 1778.213+/-0.367 χ^2/NDF: 120645.8/23

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

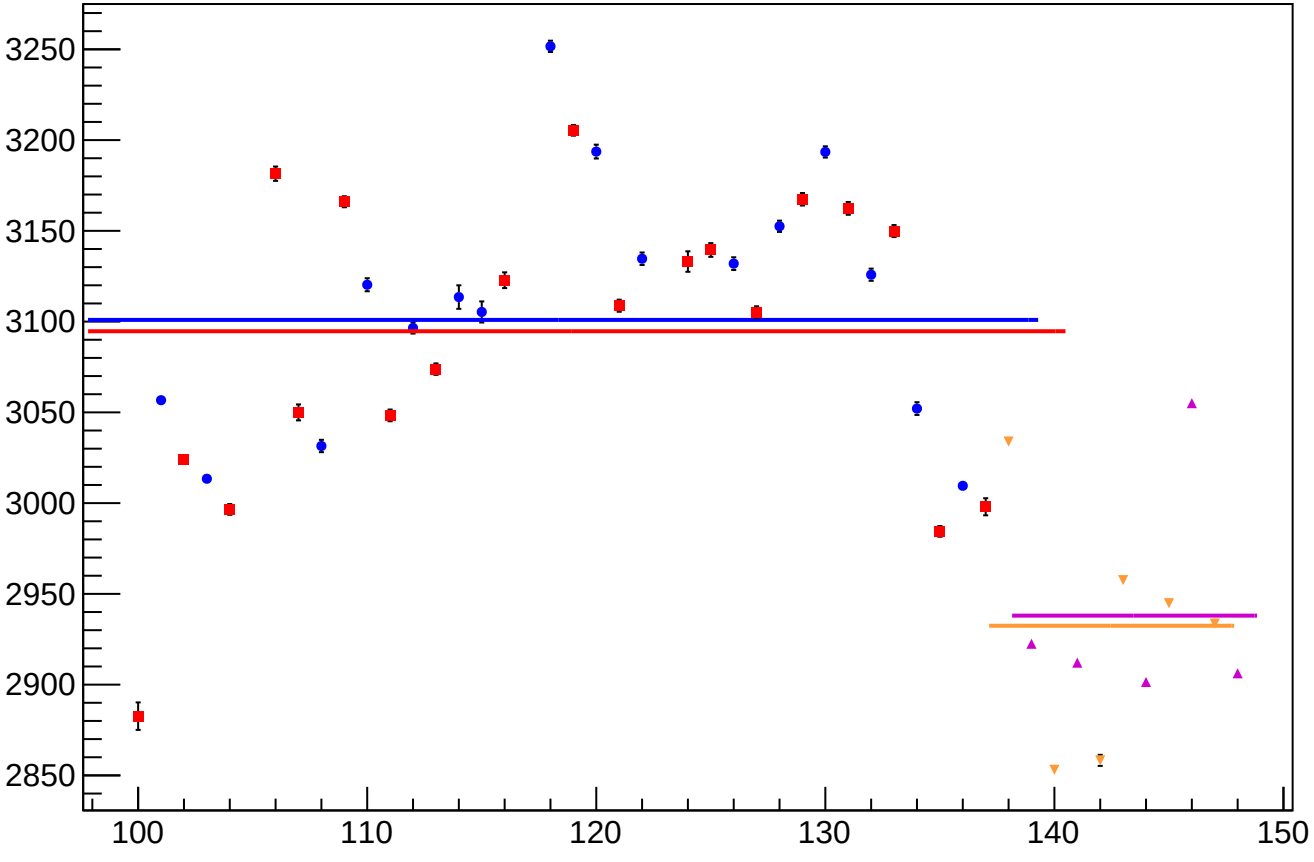
Left In: -9.401+/-1.405 χ^2/NDF:18.7/4

+ sign -15.909+/-0.884 χ^2/NDF: 254.8/21

All: -12.280+/-0.624 χ^2/NDF: 602.3/45

- sign -8.685+/-0.880 χ^2/NDF: 313.9/23

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

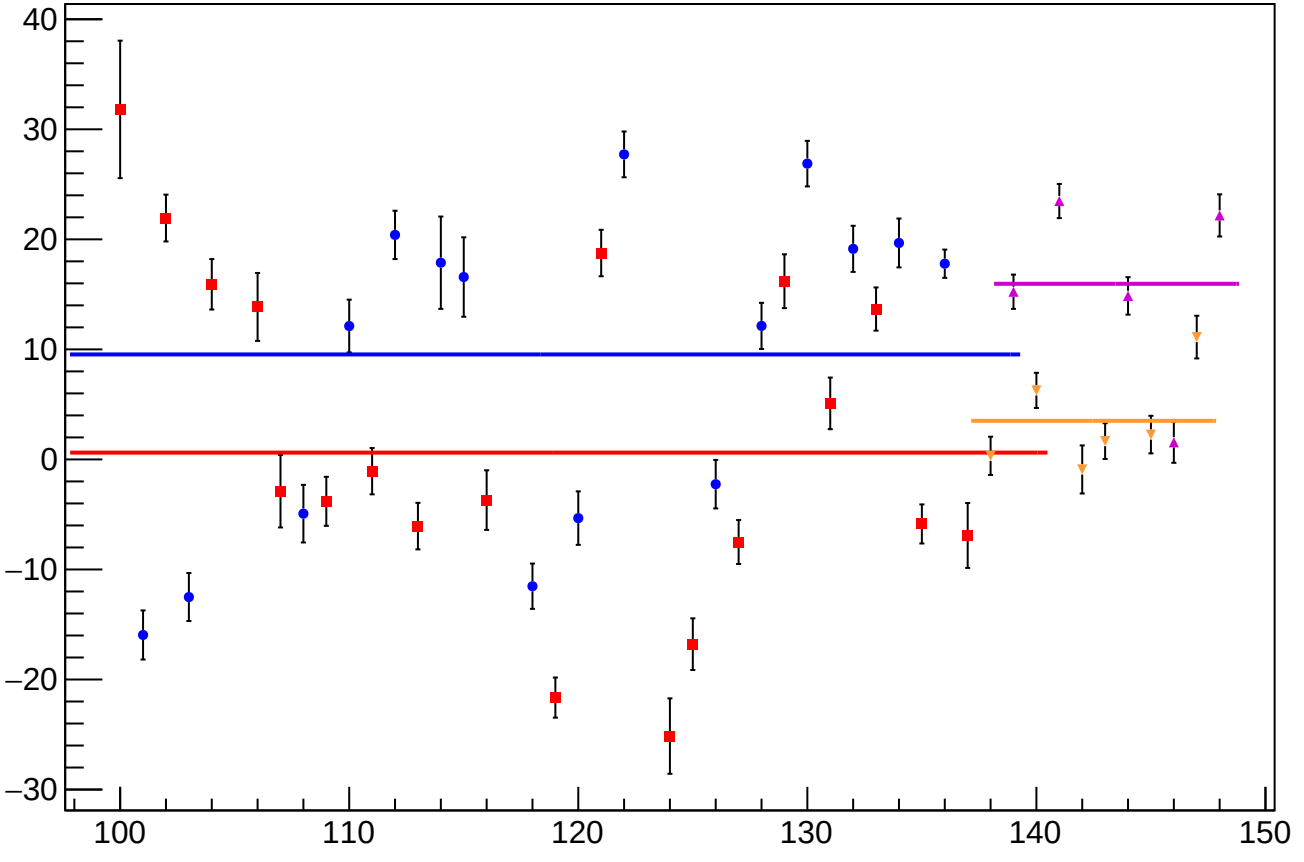
Left In: 2938.016+/-0.994 χ^2/NDF:3320.9/4

+ sign 3031.728+/-0.625 χ^2/NDF: 29262.9/21

All: 3032.485+/-0.441 χ^2/NDF: 56283.3/45

- sign 3033.235+/-0.622 χ^2/NDF: 27017.5/23

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

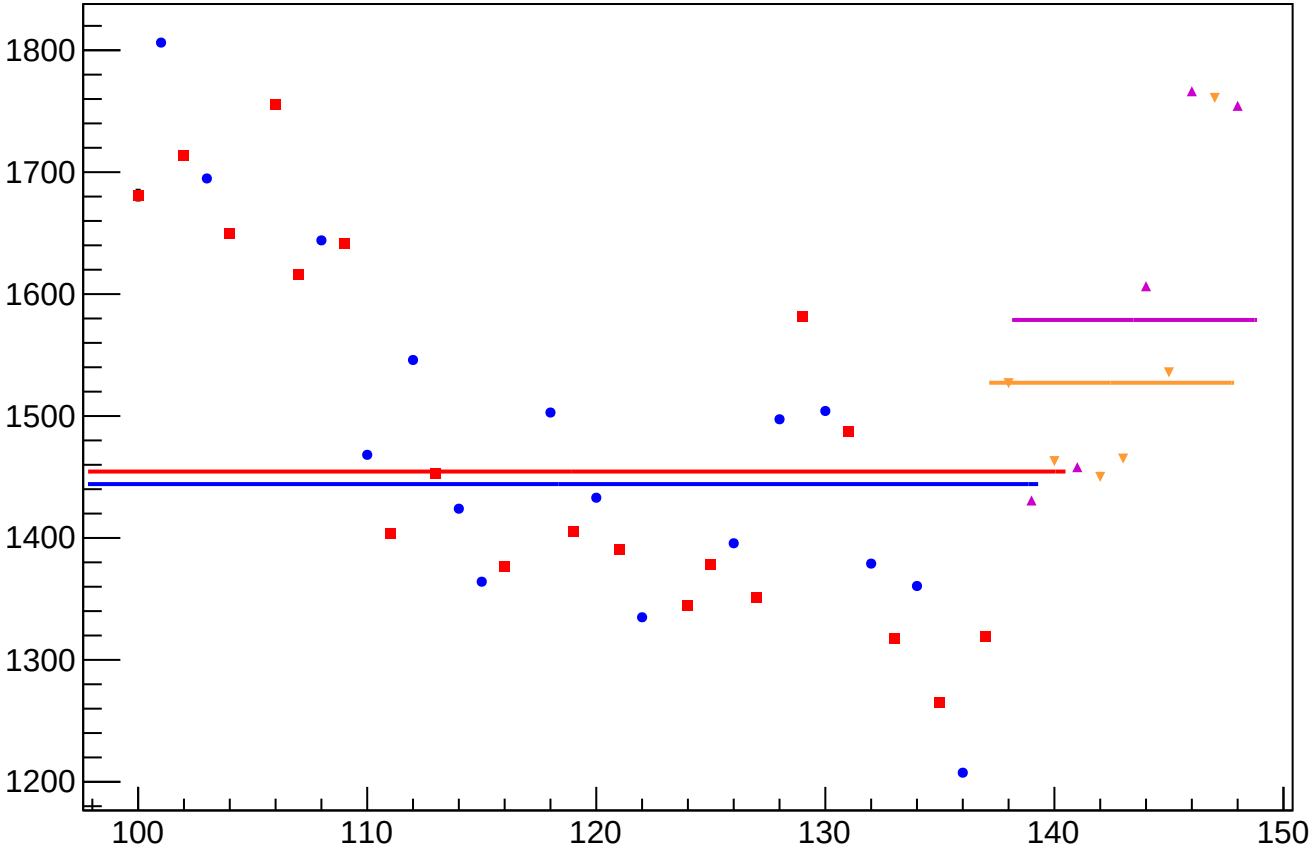
Left In: 15.961+/-0.760 χ^2/NDF:94.3/4

+ sign 7.368+/-0.433 χ^2/NDF: 771.1/21

All: 6.538+/-0.308 χ^2/NDF: 1811.5/45

- sign 5.693+/-0.437 χ^2/NDF: 1032.9/23

diff_bpm0l01Y_rms vs Slug



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

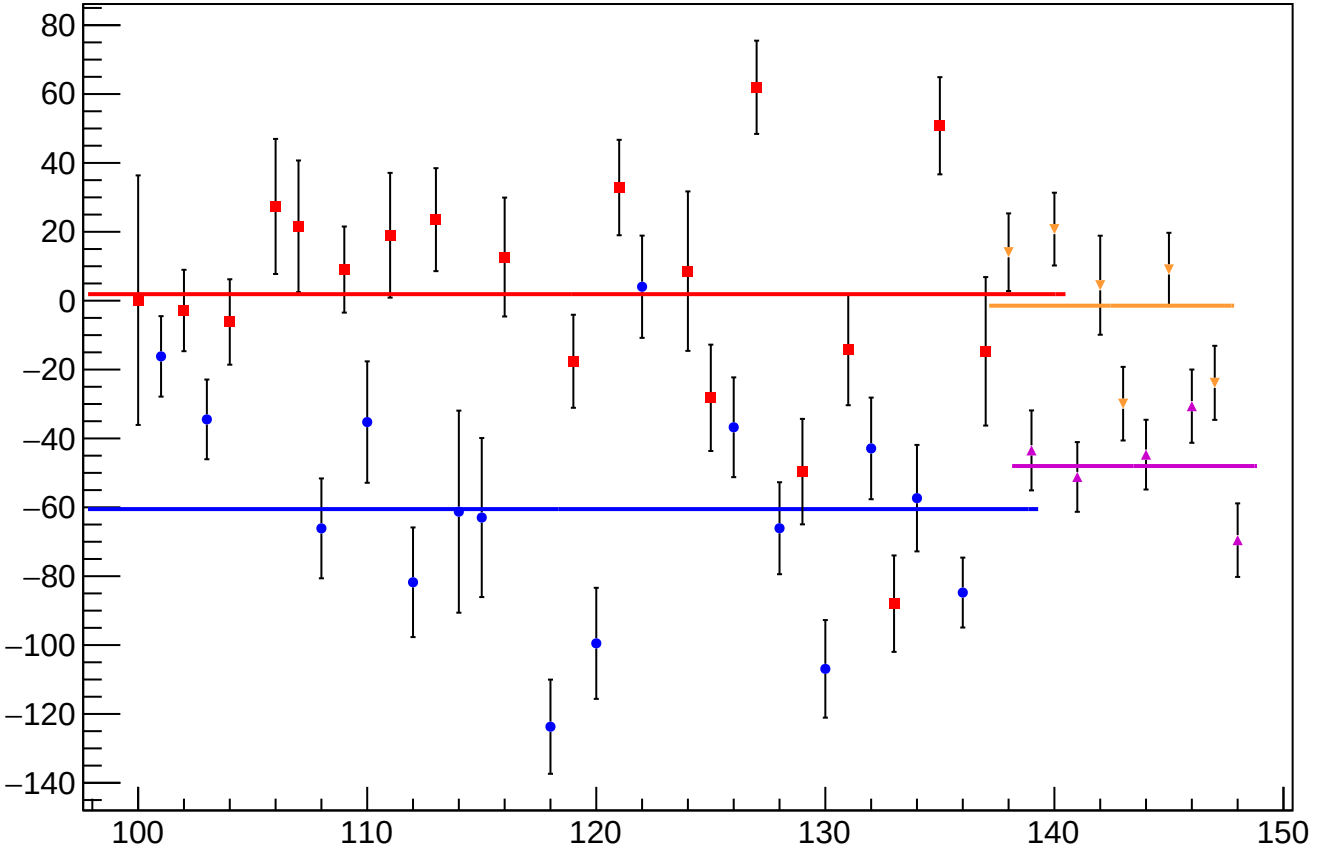
Left In: 1578.800+/-0.537 χ^2/NDF:67737.2/4

+ sign 1474.128+/-0.306 χ^2/NDF: 234912.2/21

All: 1484.760+/-0.217 χ^2/NDF: 483697.9/45

- sign 1495.589+/-0.309 χ^2/NDF: 246351.2/23

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

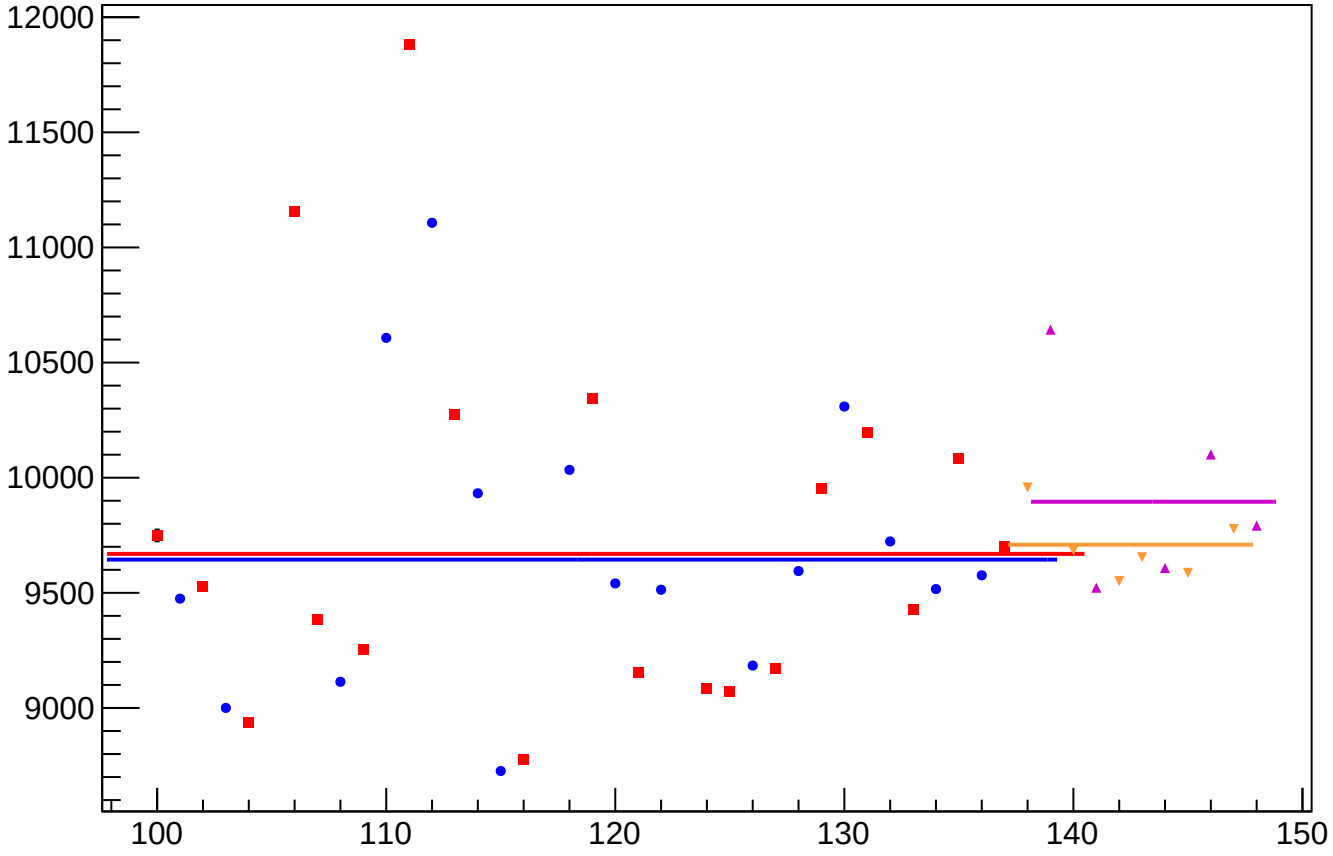
Left In: -48.014+/-4.738 χ^2/NDF:7.1/4

+ sign -37.921+/-2.826 χ^2/NDF: 212.4/21

All: -27.007+/-2.002 χ^2/NDF: 424.5/45

- sign -16.003+/-2.837 χ^2/NDF: 182.1/23

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

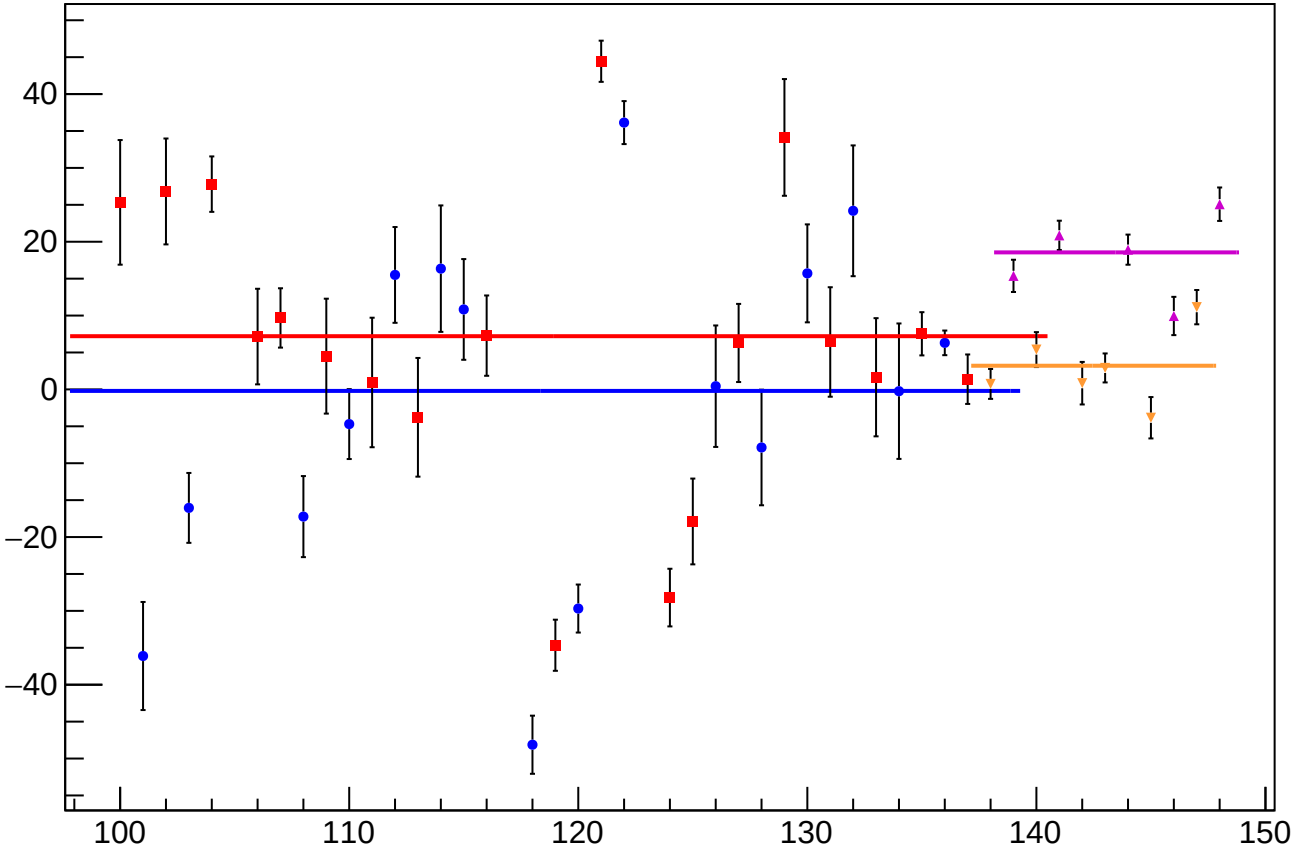
Left In: 9895.662+/-3.350 χ^2/NDF:13562.5/4

\+ sign 9669.149+/-1.998 χ^2/NDF: 45972.4/21

All: 9709.595+/-1.416 χ^2/NDF: 143167.9/45

\- sign 9750.370+/-2.006 χ^2/NDF: 96372.8/23

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

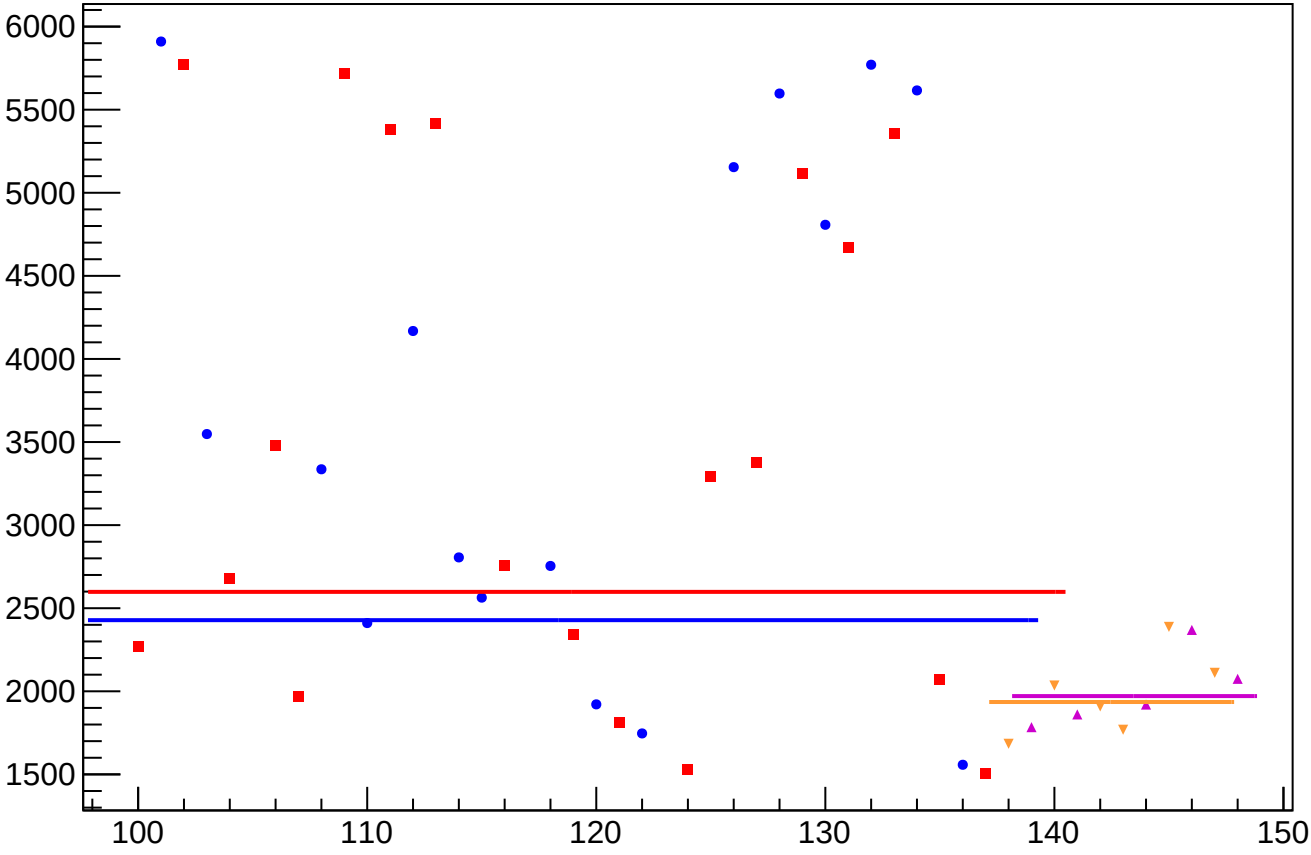
Left In: 18.557+/-0.977 χ^2/NDF:22.9/4

+ sign 1.668+/-0.702 χ^2/NDF: 500.6/21

All: 7.371+/-0.503 χ^2/NDF: 1206.3/45

- sign 13.417+/-0.722 χ^2/NDF: 569.6/23

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

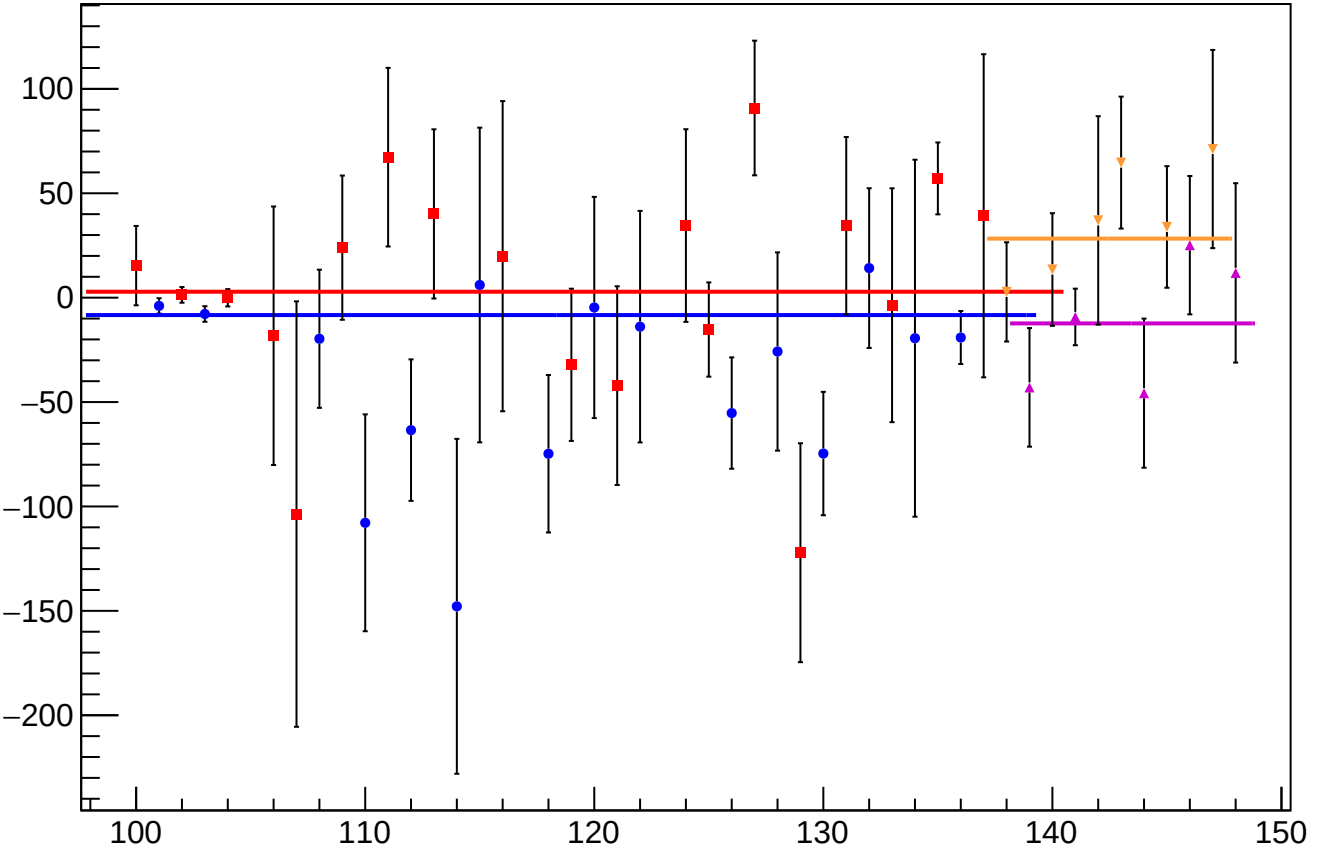
Left In: 1971.188+/-0.691 χ^2/NDF:73500.6/4

+ sign 2157.543+/-0.496 χ^2/NDF: 3171699.1/21

All: 2204.948+/-0.356 χ^2/NDF: 6152304.3/45

- sign 2255.190+/-0.511 χ^2/NDF: 2961808.2/23

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

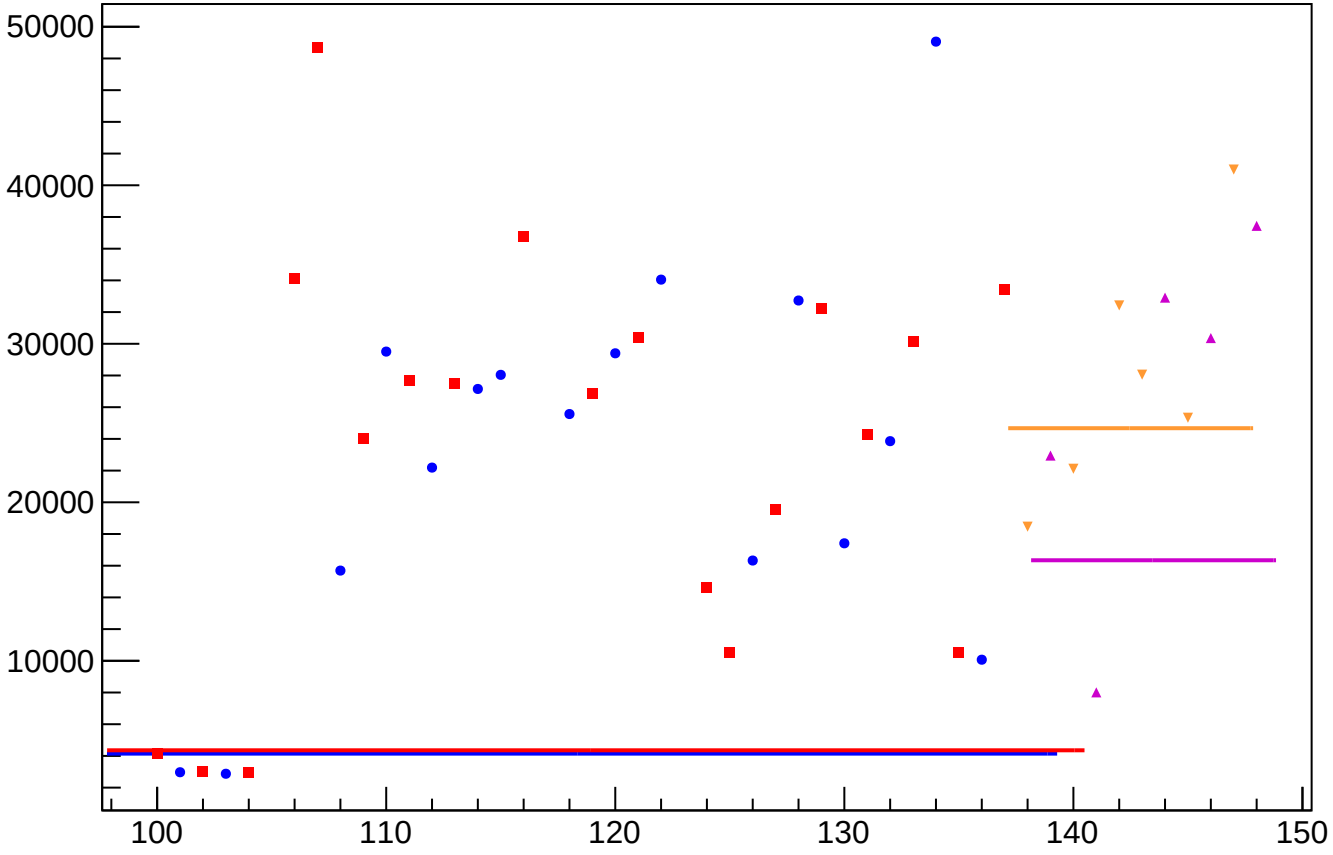
Left In: -12.333+/-10.586 χ^2/NDF:3.7/4

+ sign -6.973+/-2.453 χ^2/NDF: 35.1/21

All: -2.700+/-1.771 χ^2/NDF: 79.6/45

- sign 1.959+/-2.561 χ^2/NDF: 38.2/23

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

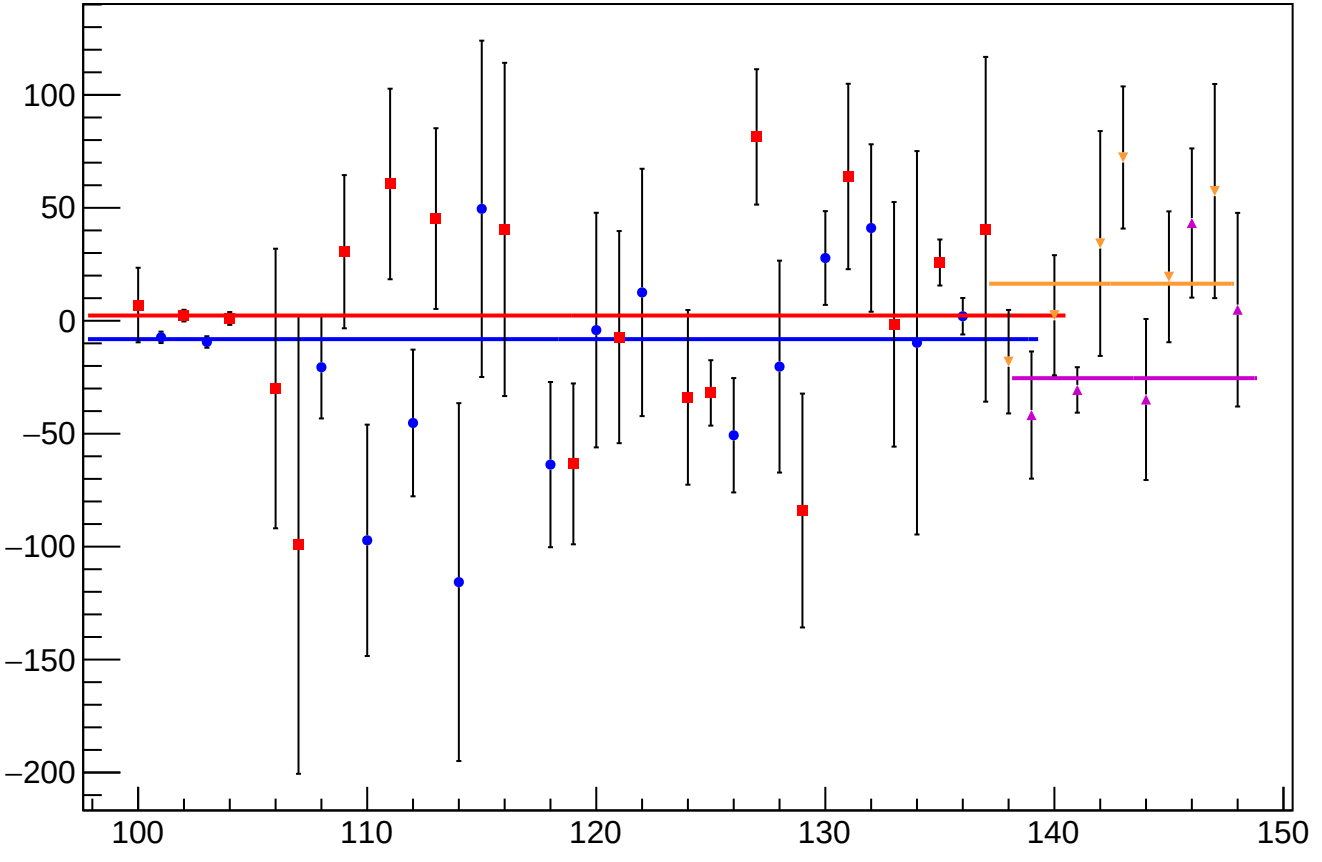
Left In: 16342.960+/-7.486 χ^2/NDF:2135508.3/4

+ sign 4907.671+/-1.734 χ^2/NDF: 12307395.3/21

All: 4978.697+/-1.253 χ^2/NDF: 24486030.3/4

- sign 5056.151+/-1.811 χ^2/NDF: 12175128.5/23

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

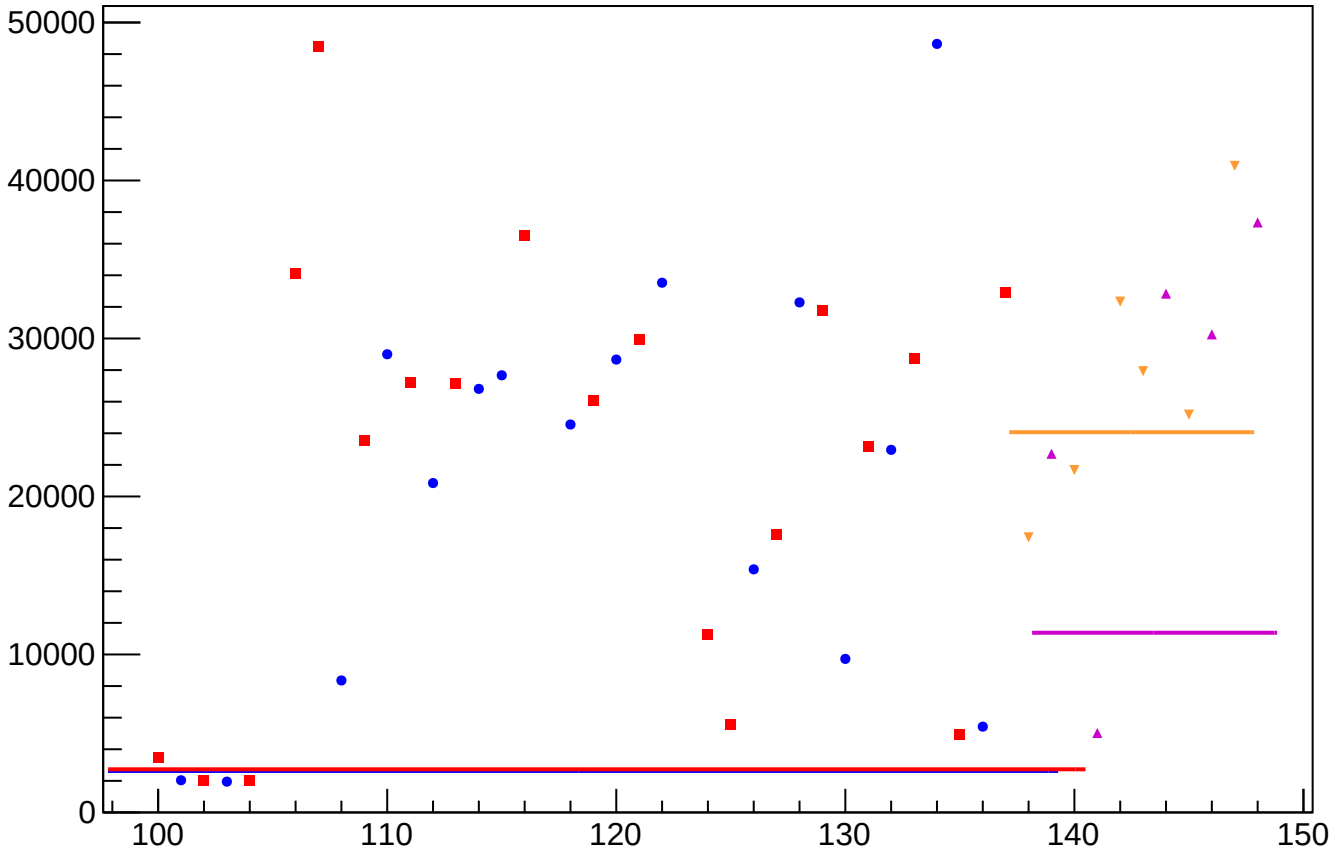
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -25.413+/-8.644 χ^2/NDF:5.5/4

+ sign -7.678+/-1.704 χ^2/NDF: 29.5/21

All: -3.464+/-1.232 χ^2/NDF: 90.7/45

- sign 1.145+/-1.783 χ^2/NDF: 48.4/23



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

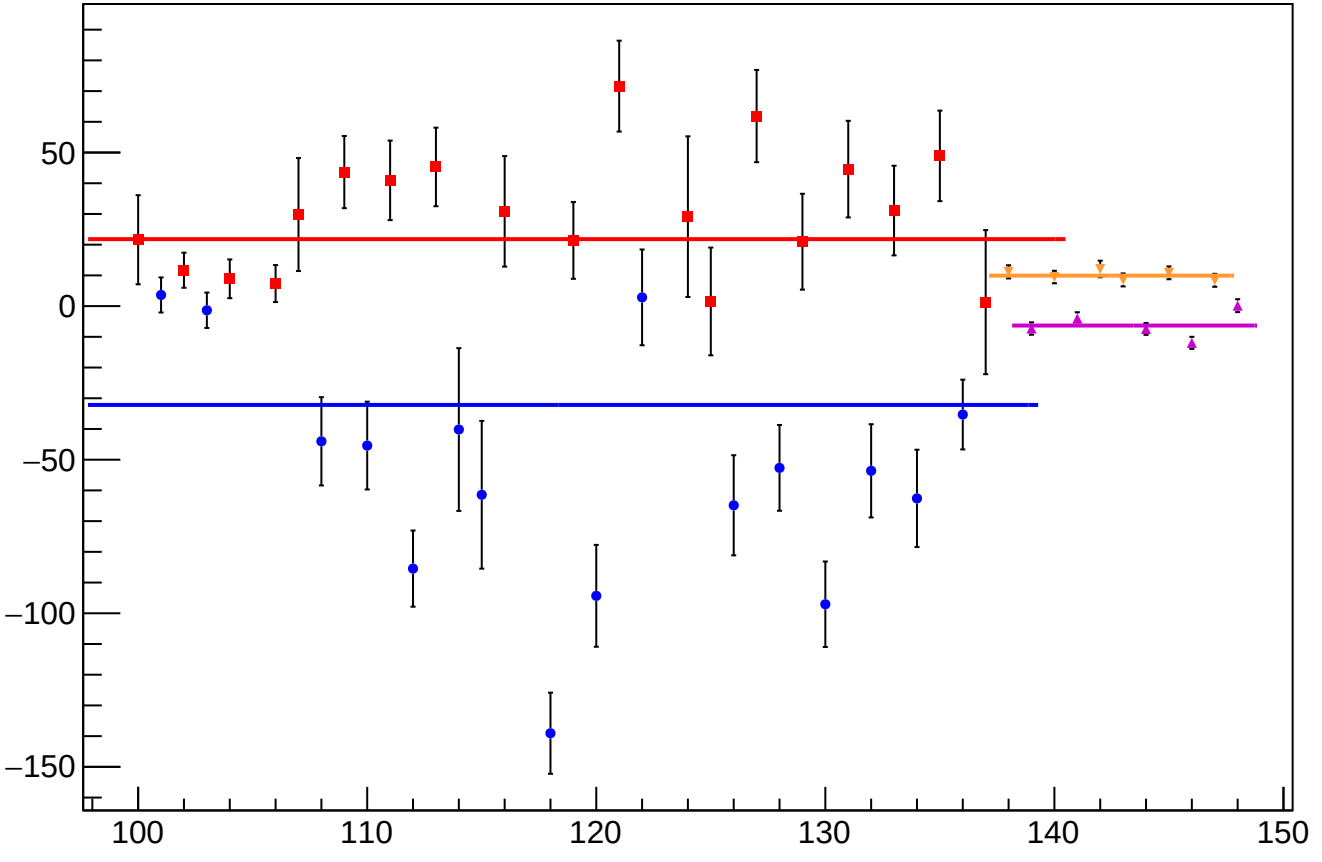
Left In: 11374.706+/-6.112 χ^2/NDF:3231554.1/4

\+ sign 3023.061+/-1.205 χ^2/NDF: 13053736.7/21

All: 3058.758+/-0.871 χ^2/NDF: 26188114.4/4

\- sign 3097.801+/-1.260 χ^2/NDF: 13132540.9/23

diff_bpm0l04X_mean vs Slug



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

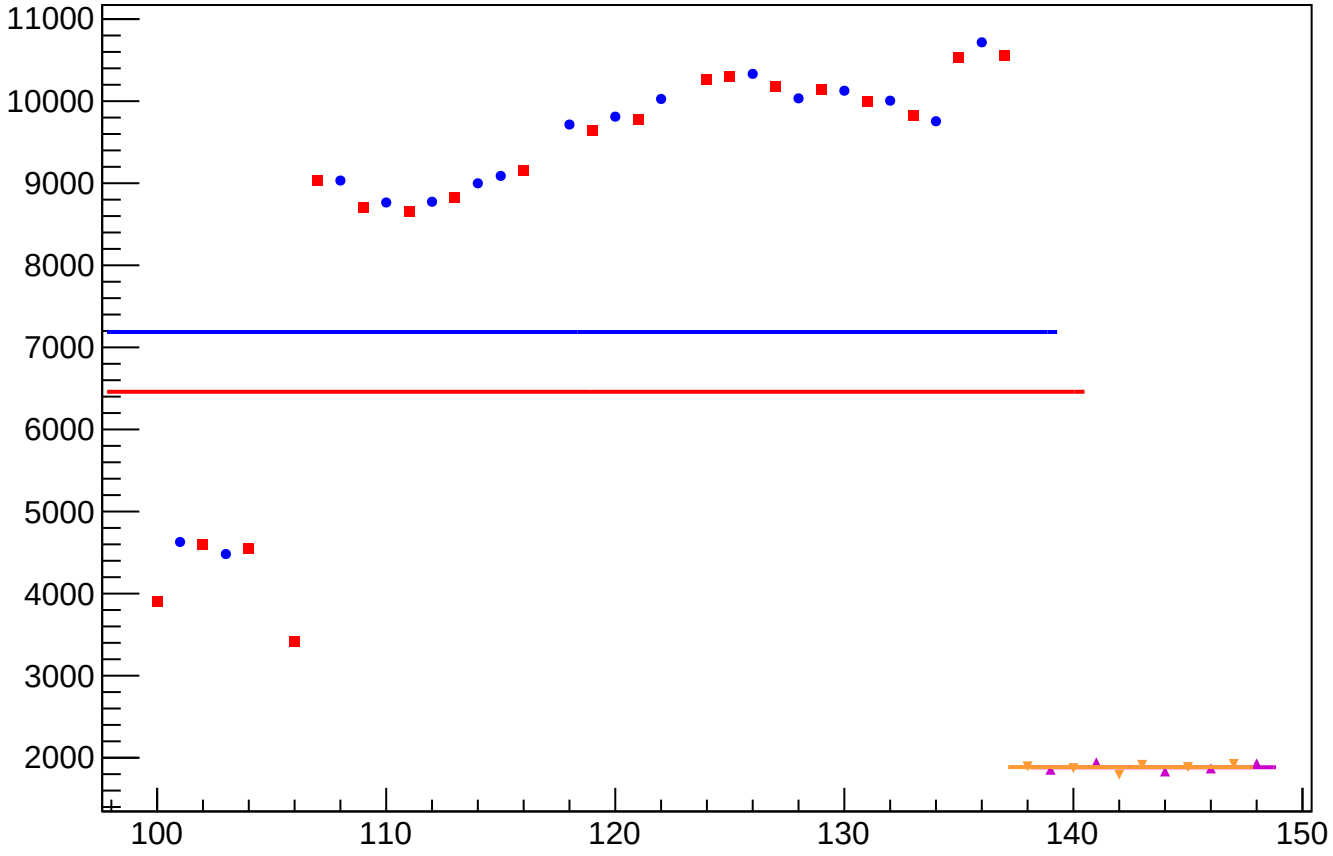
Left In: -6.326+/-0.902 χ^2/NDF:19.4/4

+ sign 6.187+/-0.848 χ^2/NDF: 409.9/21

All: 1.503+/-0.600 χ^2/NDF: 647.3/45

- sign -3.215+/-0.850 χ^2/NDF: 176.1/23

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

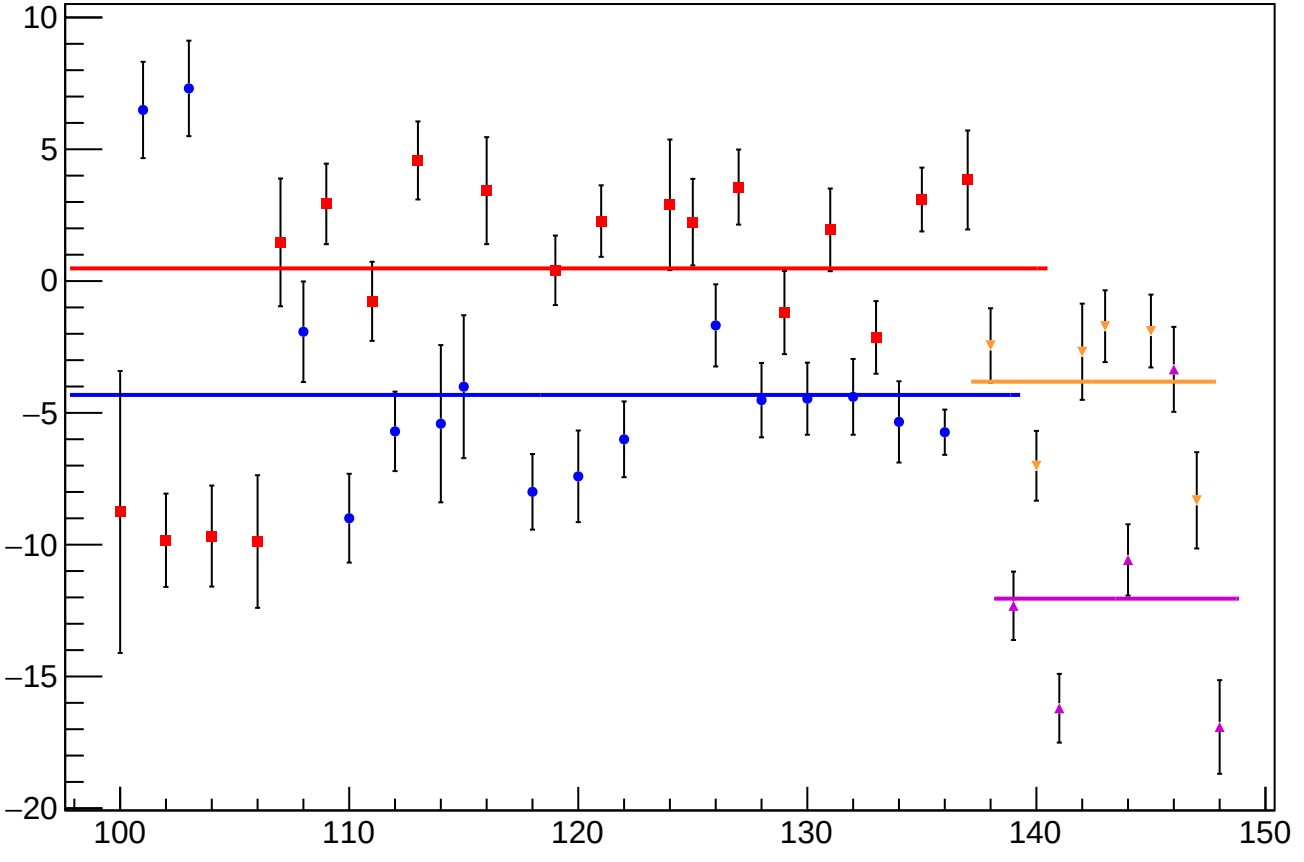
Left In: 1884.303+/-0.638 χ^2/NDF:4562.9/4

+ sign 2357.723+/-0.599 χ^2/NDF: 8050161.5/21

All: 2373.949+/-0.424 χ^2/NDF: 16025539.3/4

- sign 2390.289+/-0.601 χ^2/NDF: 7973906.4/23

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

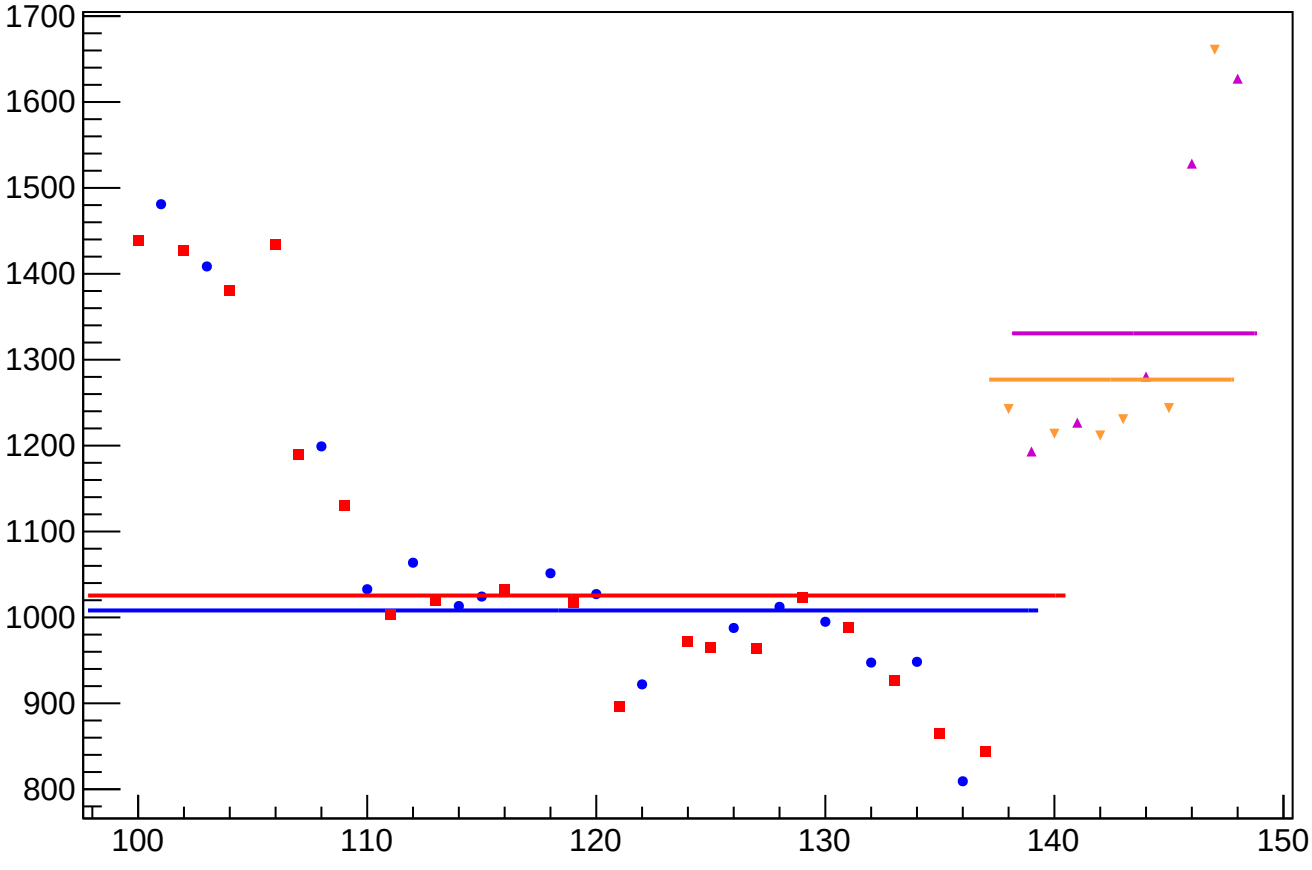
Left In: -12.046+/-0.642 χ^2/NDF:48.0/4

+ sign -4.177+/-0.322 χ^2/NDF: 121.7/21

All: -3.476+/-0.229 χ^2/NDF: 579.3/45

- sign -2.756+/-0.326 χ^2/NDF: 448.0/23

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

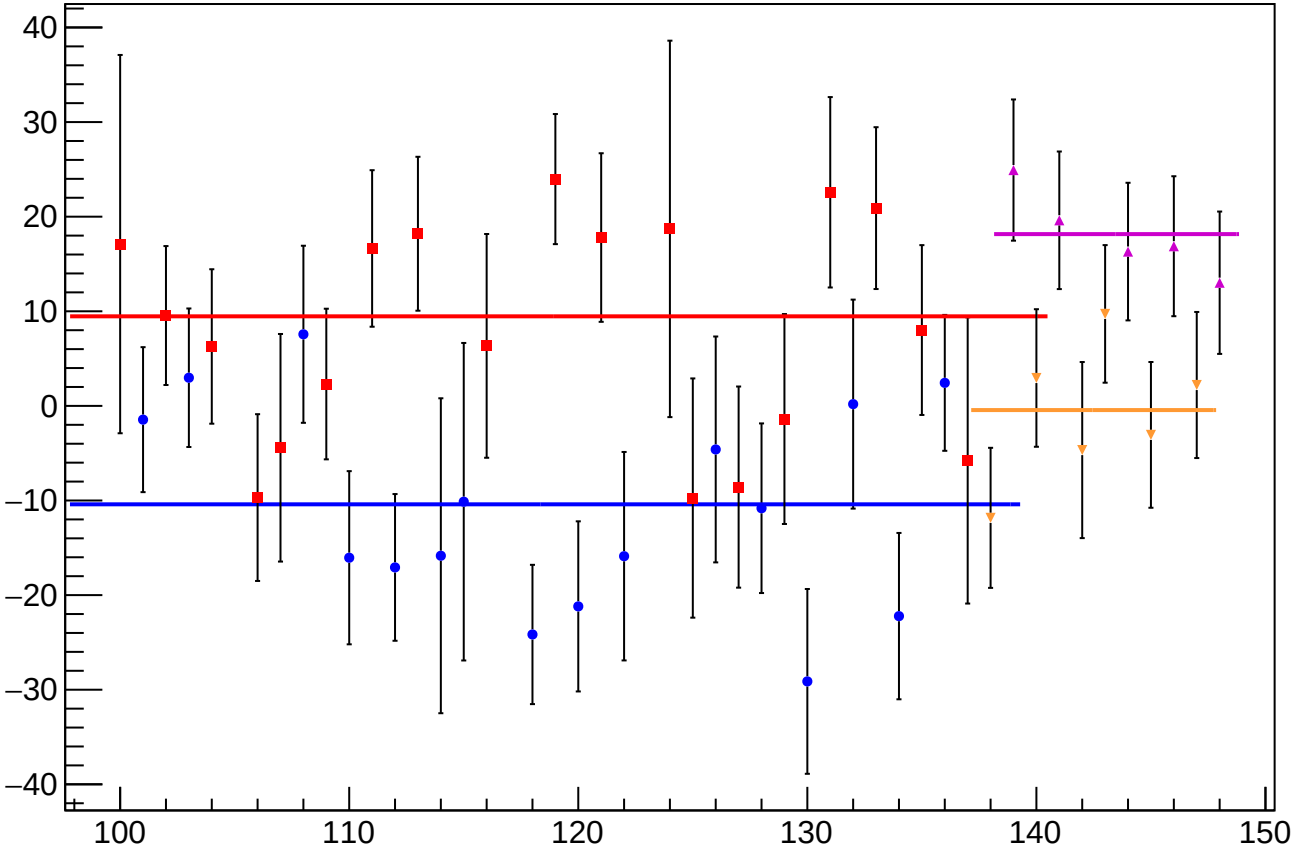
Left In: 1330.676+/-0.454 χ^2/NDF:123717.8/4

+ sign 1084.157+/-0.227 χ^2/NDF: 762329.0/21

All: 1094.108+/-0.162 χ^2/NDF: 1571614.8/45

- sign 1104.342+/-0.231 χ^2/NDF: 805400.9/23

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

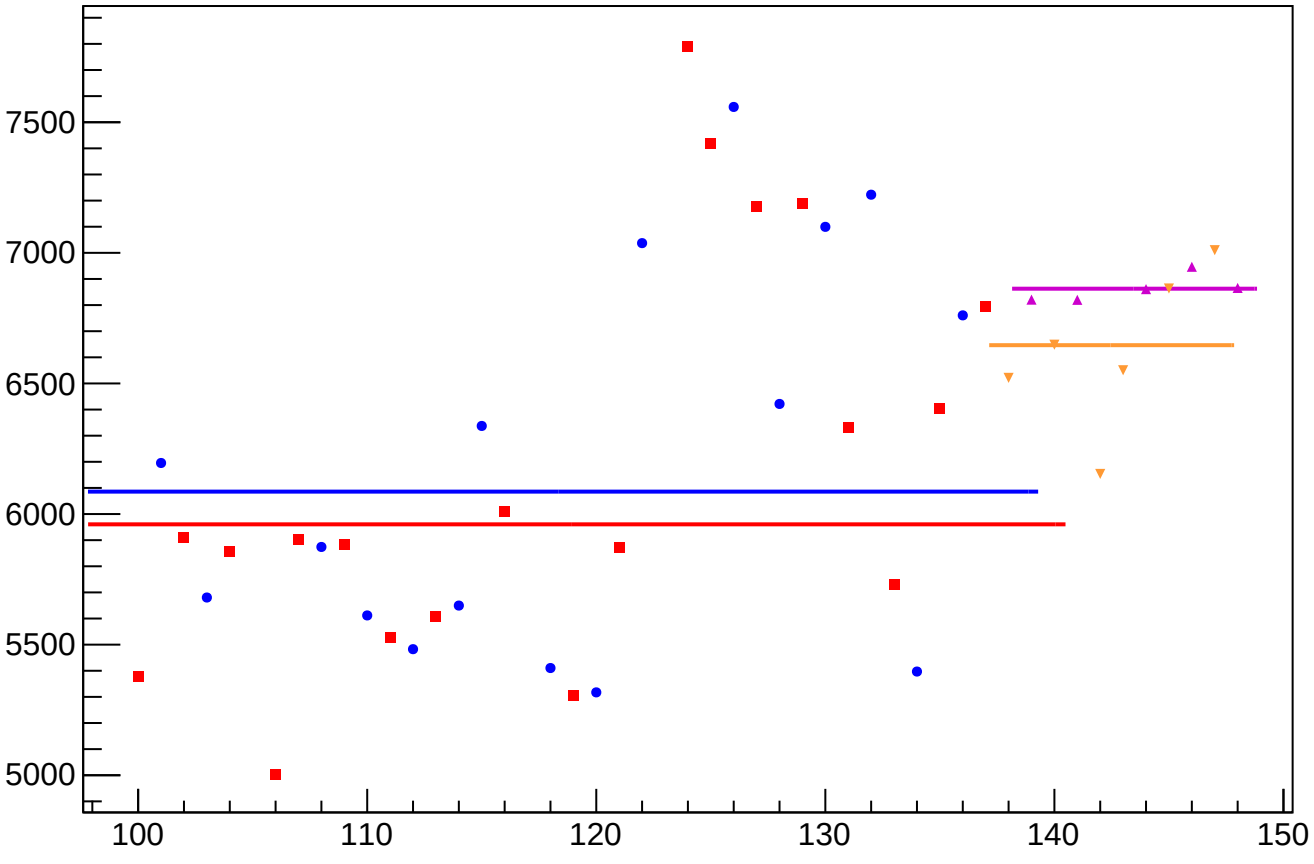
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 18.158+/-3.302 χ^2/NDF:1.4/4

\+ sign -6.968+/-1.845 χ^2/NDF: 36.2/21

All: 2.681+/-1.298 χ^2/NDF: 121.9/45

\- sign 12.123+/-1.826 χ^2/NDF: 31.6/23



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

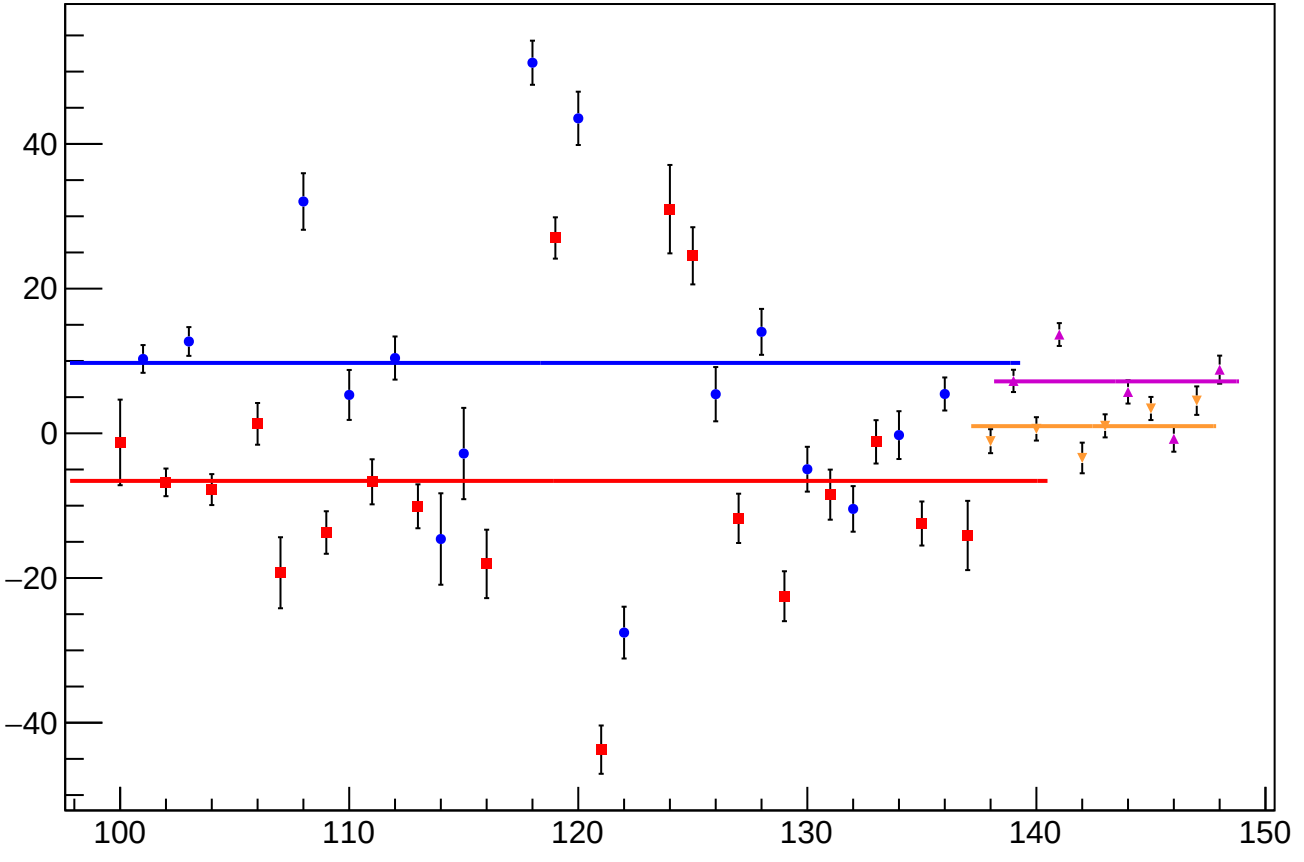
Left In: 6862.723+/-2.335 χ^2/NDF:389.5/4

+ sign 6279.209+/-1.305 χ^2/NDF: 233375.7/21

All: 6257.555+/-0.918 χ^2/NDF: 500730.6/45

- sign 6236.364+/-1.291 χ^2/NDF: 266810.1/23

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

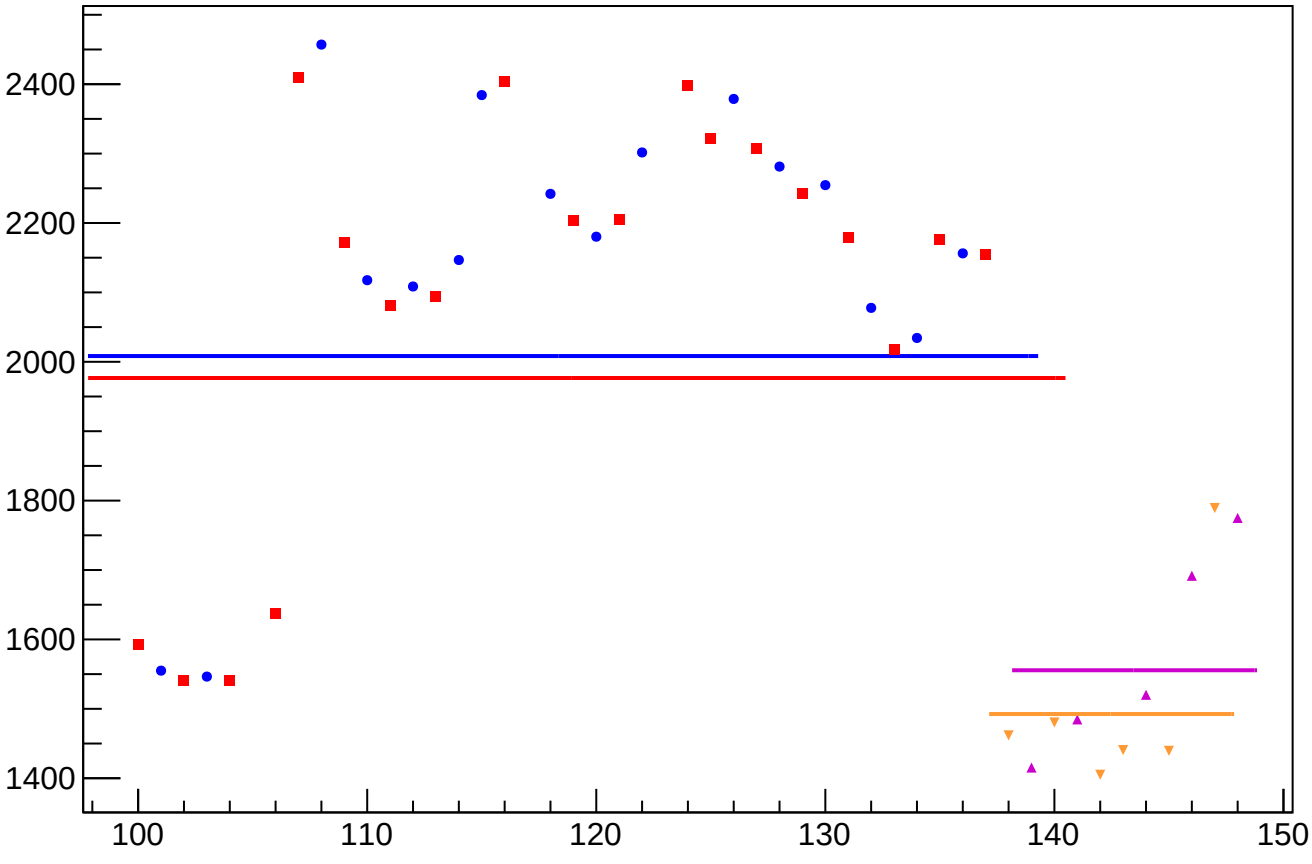
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.180+/-0.748 χ^2/NDF:38.1/4

+ sign 5.063+/-0.515 χ^2/NDF: 595.5/21

All: 2.637+/-0.367 χ^2/NDF: 1275.6/45

- sign 0.142+/-0.522 χ^2/NDF: 635.1/23



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1492.501+/-0.498 χ^2/NDF:53986.6/5

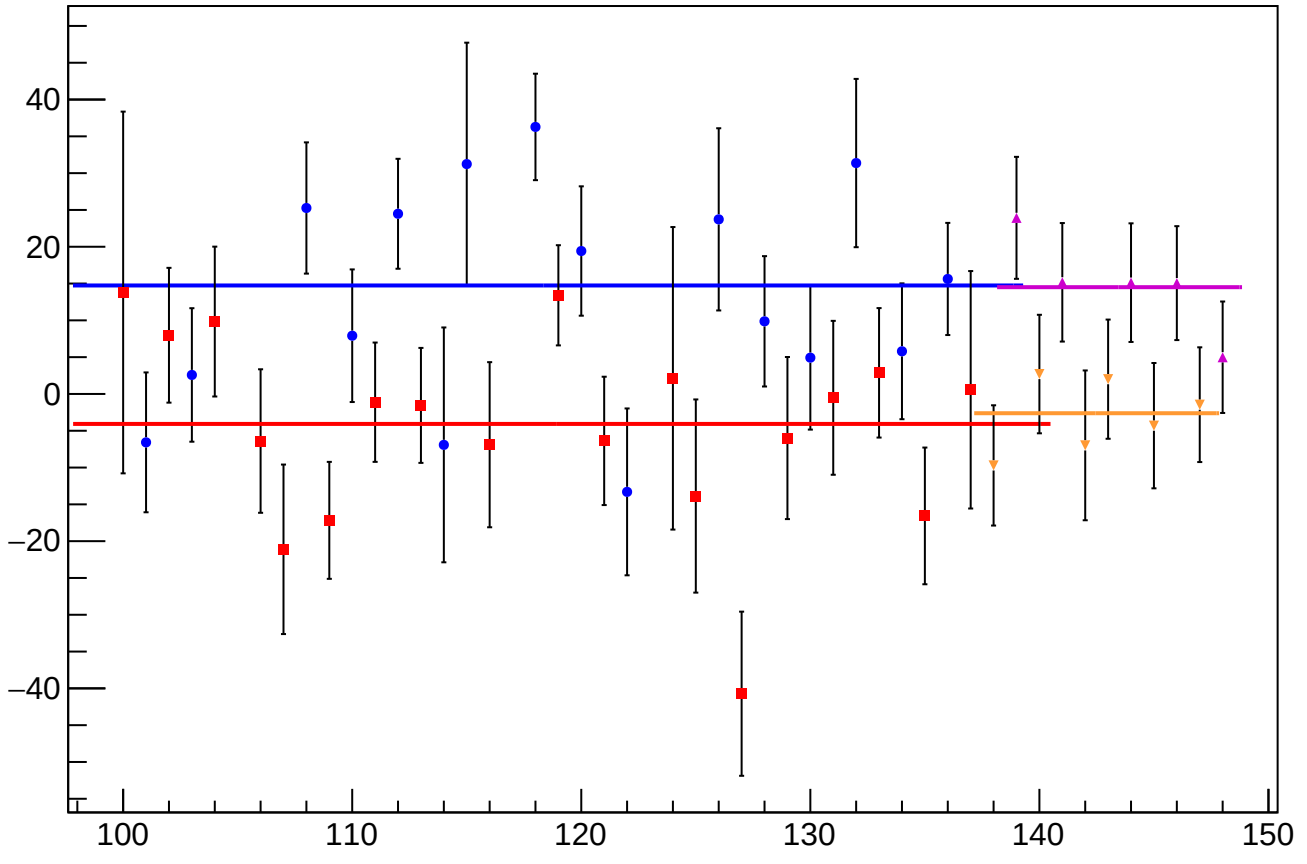
Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1555.566+/-0.529 χ^2/NDF:58863.5/4

+ sign 1732.751+/-0.364 χ^2/NDF: 897135.5/21

All: 1751.620+/-0.259 χ^2/NDF: 1651555.2/45

- sign 1771.018+/-0.369 χ^2/NDF: 748979.6/23



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.617+/-3.418 χ^2/NDF:1.8/5

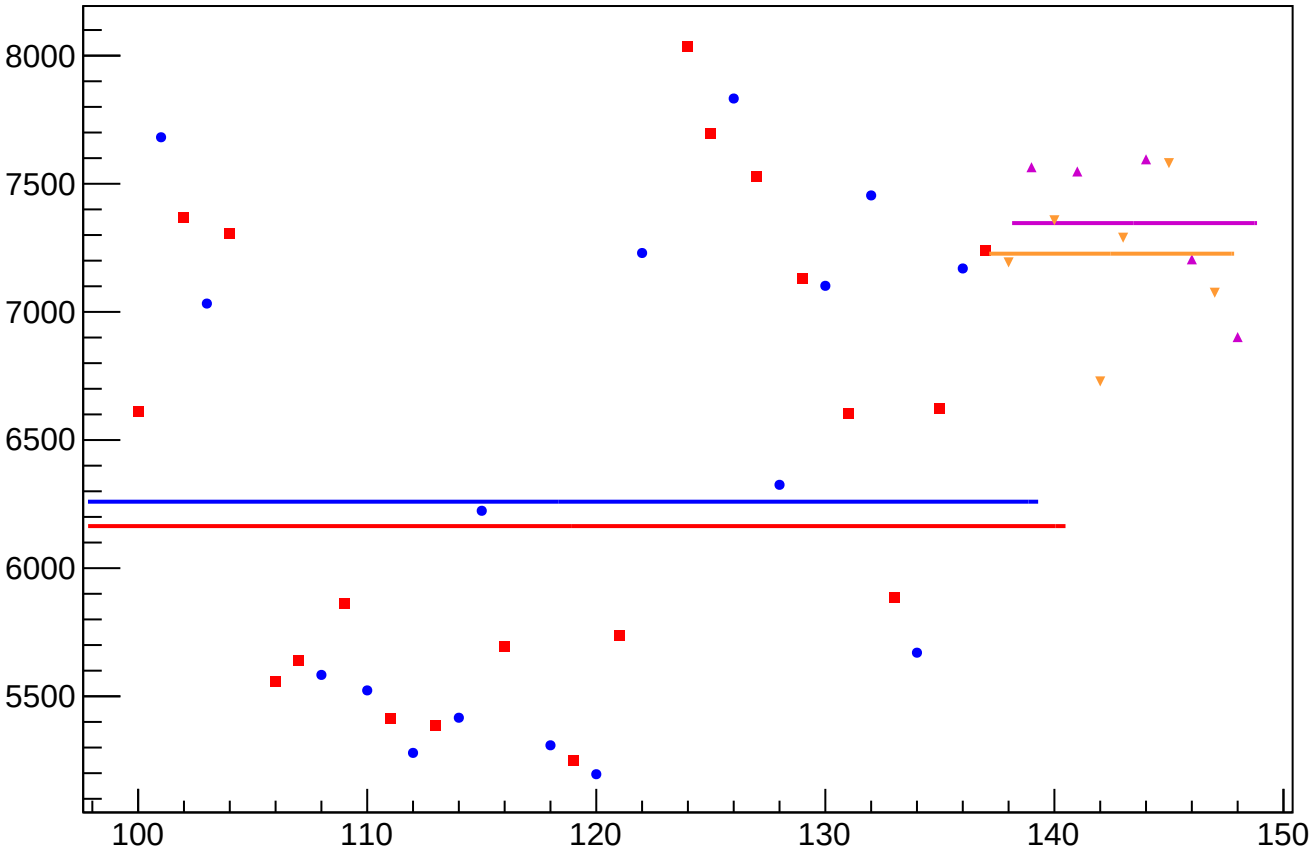
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 14.507+/-3.546 χ^2/NDF:2.9/4

\+ sign 9.145+/-1.941 χ^2/NDF: 52.8/21

All: 5.189+/-1.363 χ^2/NDF: 113.5/45

\- sign 1.342+/-1.914 χ^2/NDF: 52.5/23



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

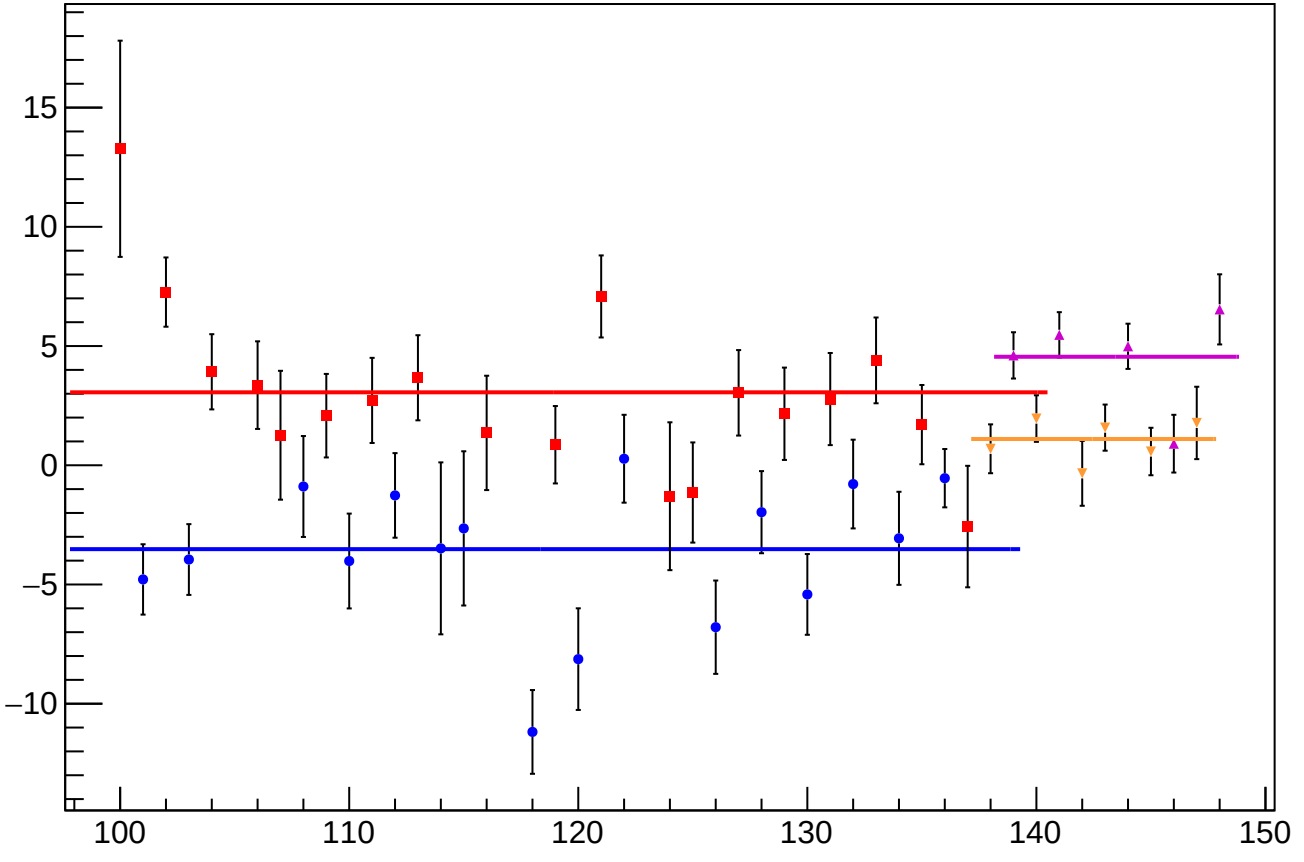
Left In: 7346.551+/-2.507 χ^2/NDF:12115.2/4

+ sign 6571.372+/-1.372 χ^2/NDF: 426923.8/21

All: 6539.579+/-0.964 χ^2/NDF: 862743.8/45

- sign 6508.656+/-1.353 χ^2/NDF: 434761.3/23

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

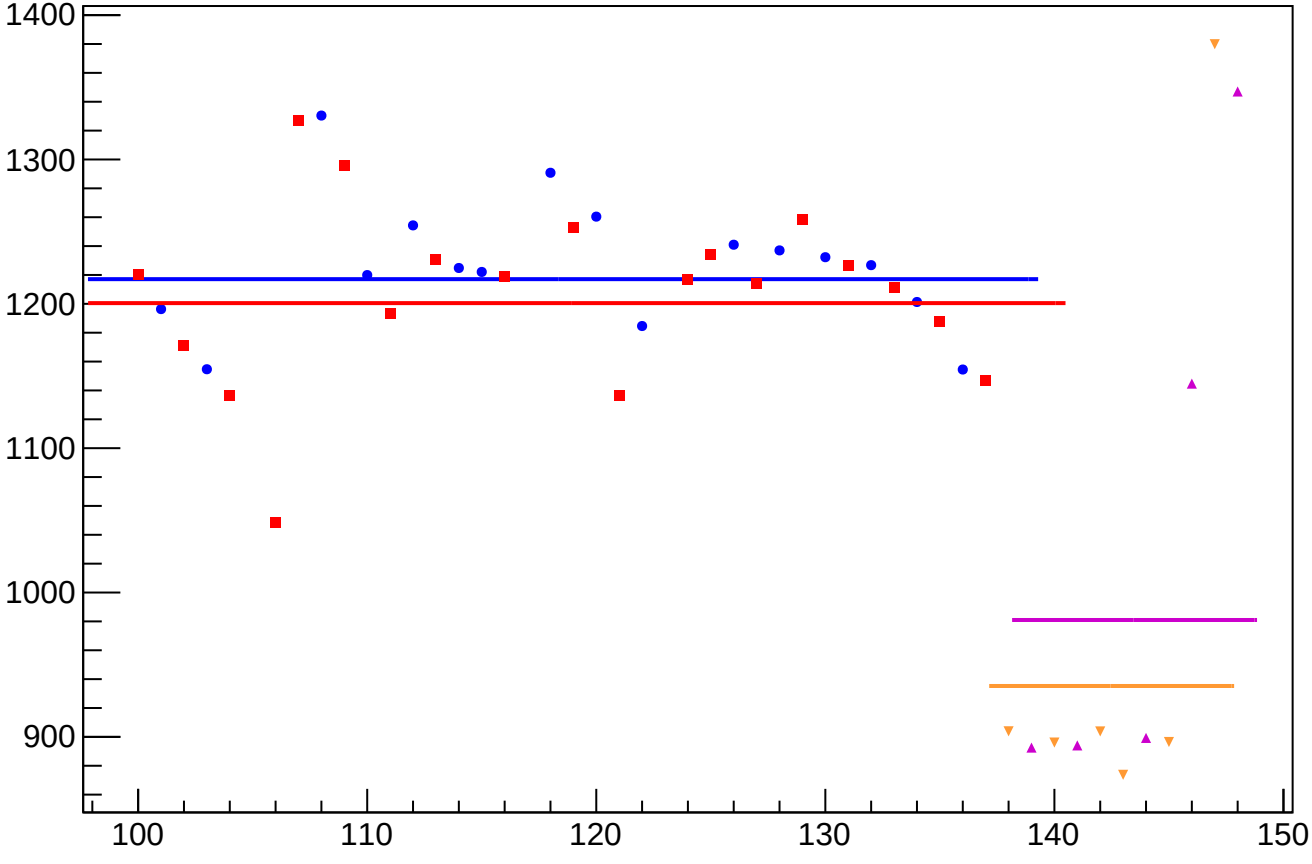
Left In: 4.551+/-0.475 χ^2/NDF:12.0/4

+ sign -1.169+/-0.317 χ^2/NDF: 100.9/21

All: 1.249+/-0.226 χ^2/NDF: 271.1/45

- sign 3.745+/-0.322 χ^2/NDF: 52.2/23

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

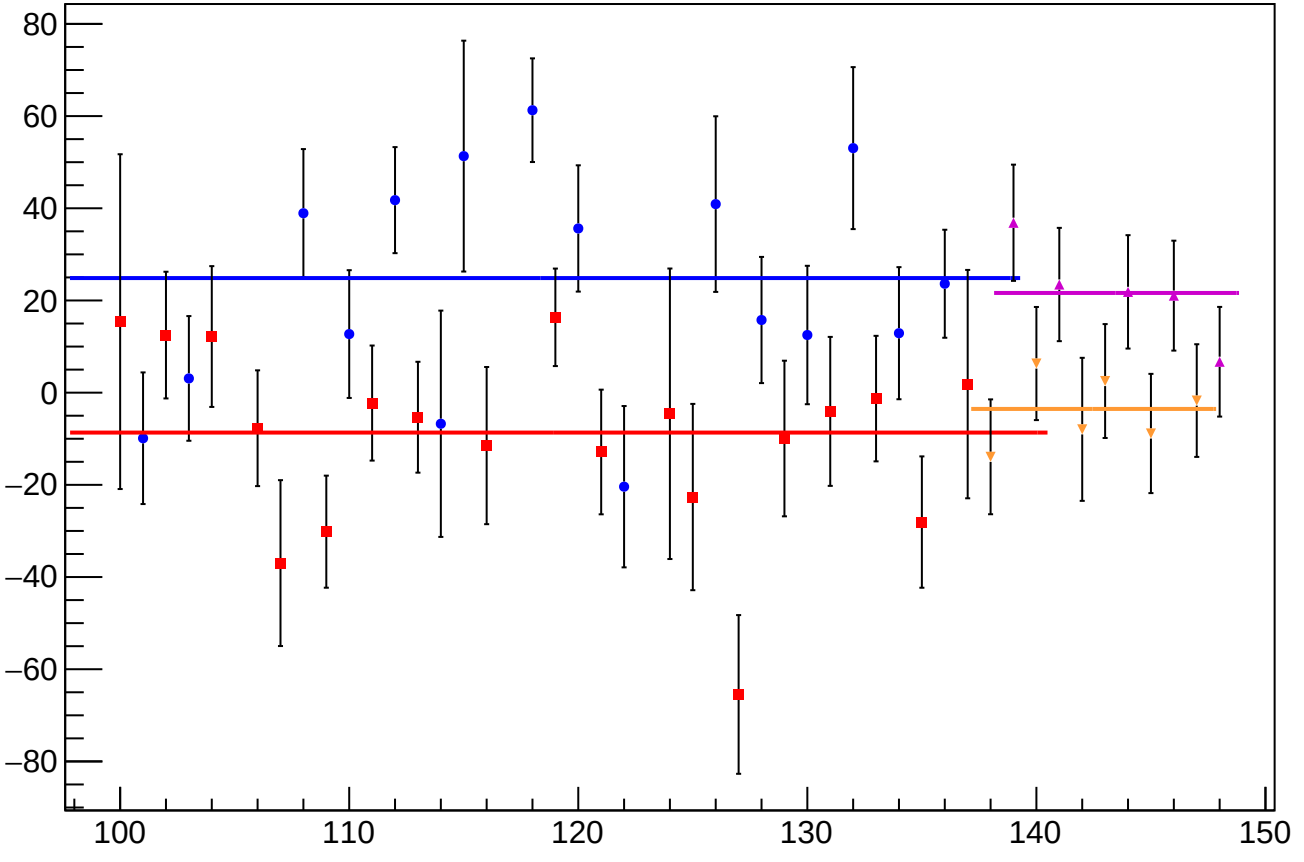
Left In: 980.977+/-0.336 χ^2/NDF:208721.8/4

+ sign 1073.791+/-0.224 χ^2/NDF: 605222.6/21

All: 1086.492+/-0.160 χ^2/NDF: 1088659.2/45

- sign 1099.600+/-0.228 χ^2/NDF: 476920.1/23

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

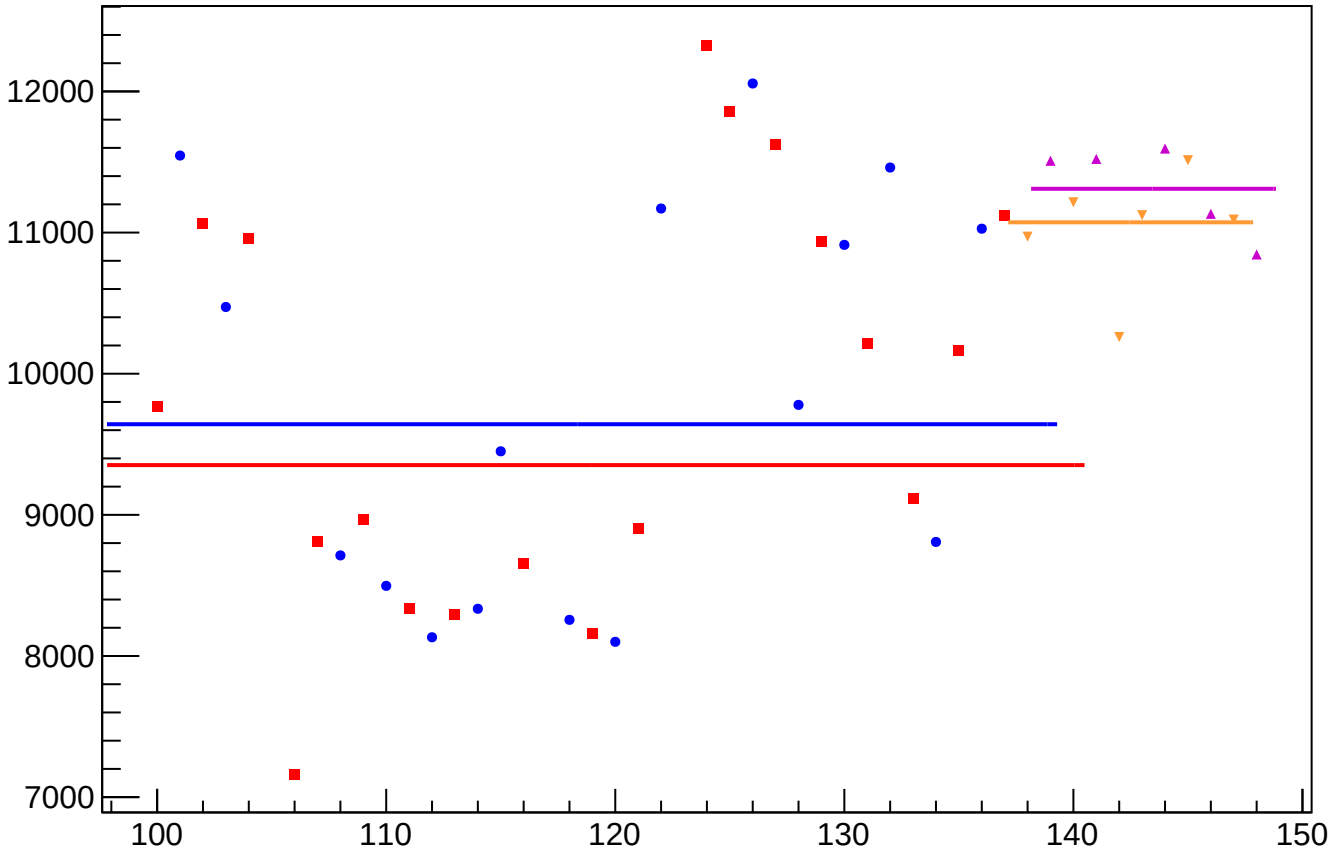
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 21.630+/-5.454 χ^2/NDF:3.1/4

+ sign 15.654+/-2.982 χ^2/NDF: 59.8/21

All: 7.662+/-2.086 χ^2/NDF: 129.1/45

- sign 0.011+/-2.918 χ^2/NDF: 55.2/23



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

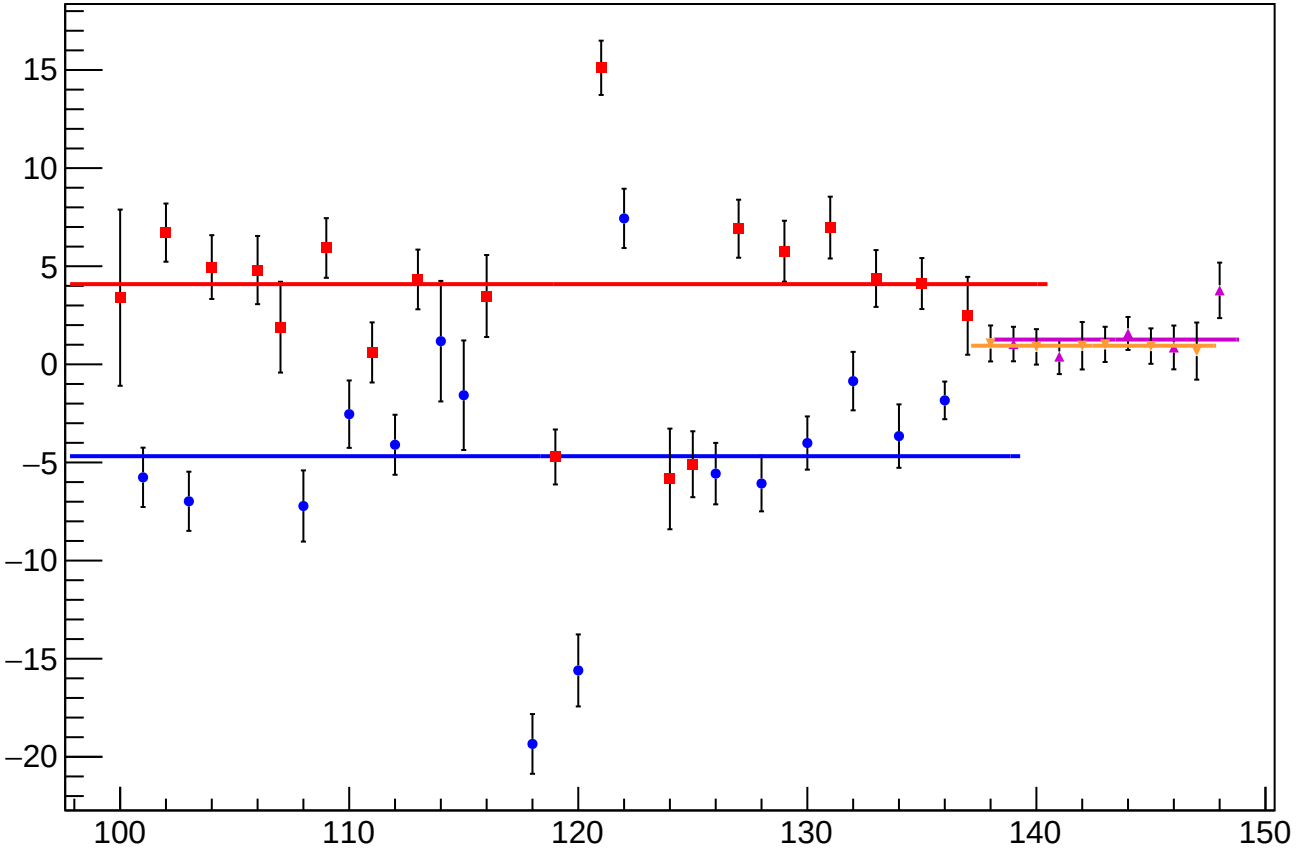
Left In: 11310.305+/-3.857 χ^2/NDF:5663.1/4

+ sign 10105.993+/-2.109 χ^2/NDF: 388743.4/21

All: 10007.318+/-1.475 χ^2/NDF: 884418.0/45

- sign 9912.856+/-2.063 χ^2/NDF: 491389.0/23

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

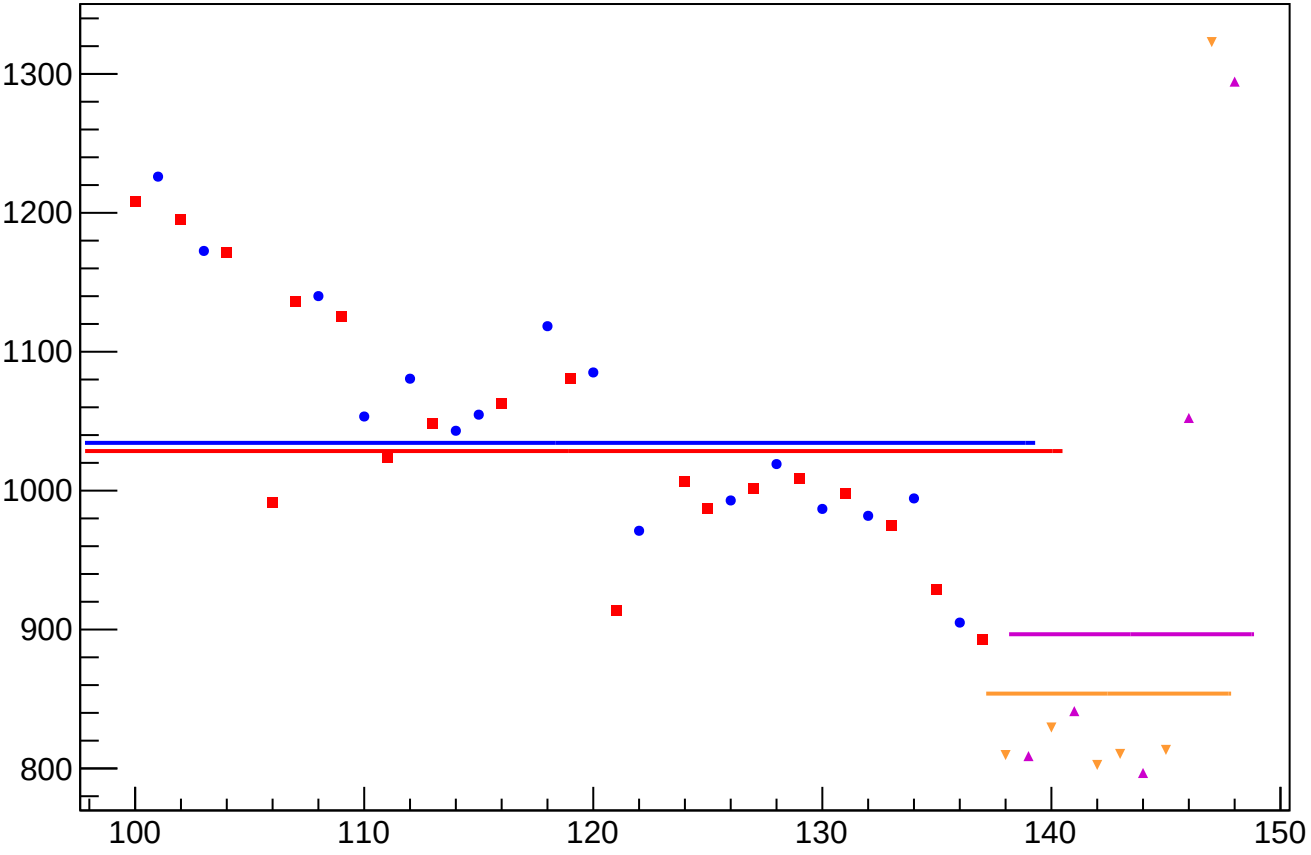
Left In: 1.262+/-0.436 χ^2/NDF:4.4/4

\+ sign -2.015+/-0.280 χ^2/NDF: 322.1/21

All: 0.390+/-0.200 χ^2/NDF: 668.8/45

\- sign 2.880+/-0.285 χ^2/NDF: 196.5/23

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

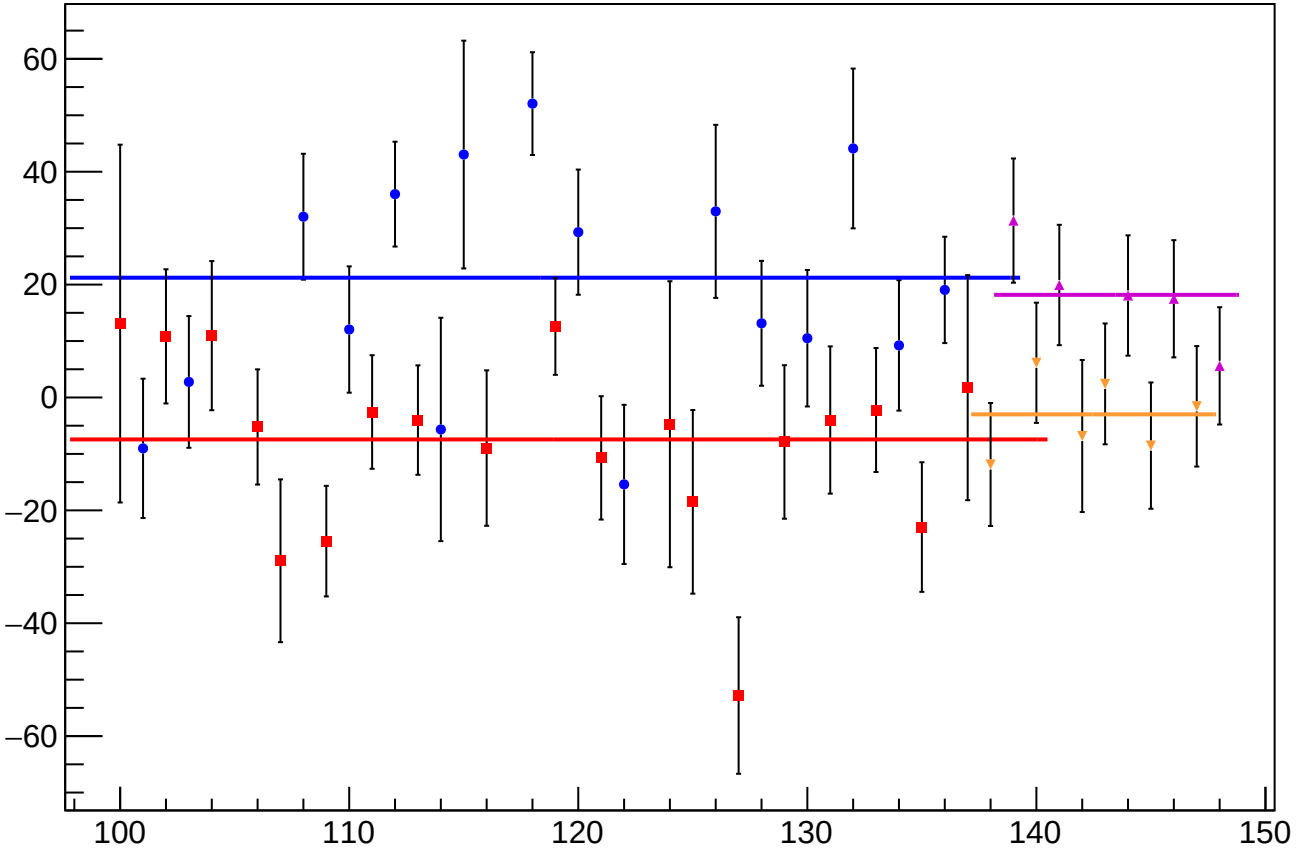
Left In: 896.613+/-0.308 χ^2/NDF:253330.5/4

+ sign 948.935+/-0.198 χ^2/NDF: 546838.5/21

All: 960.341+/-0.141 χ^2/NDF: 1013473.3/45

- sign 972.150+/-0.201 χ^2/NDF: 459876.9/23

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

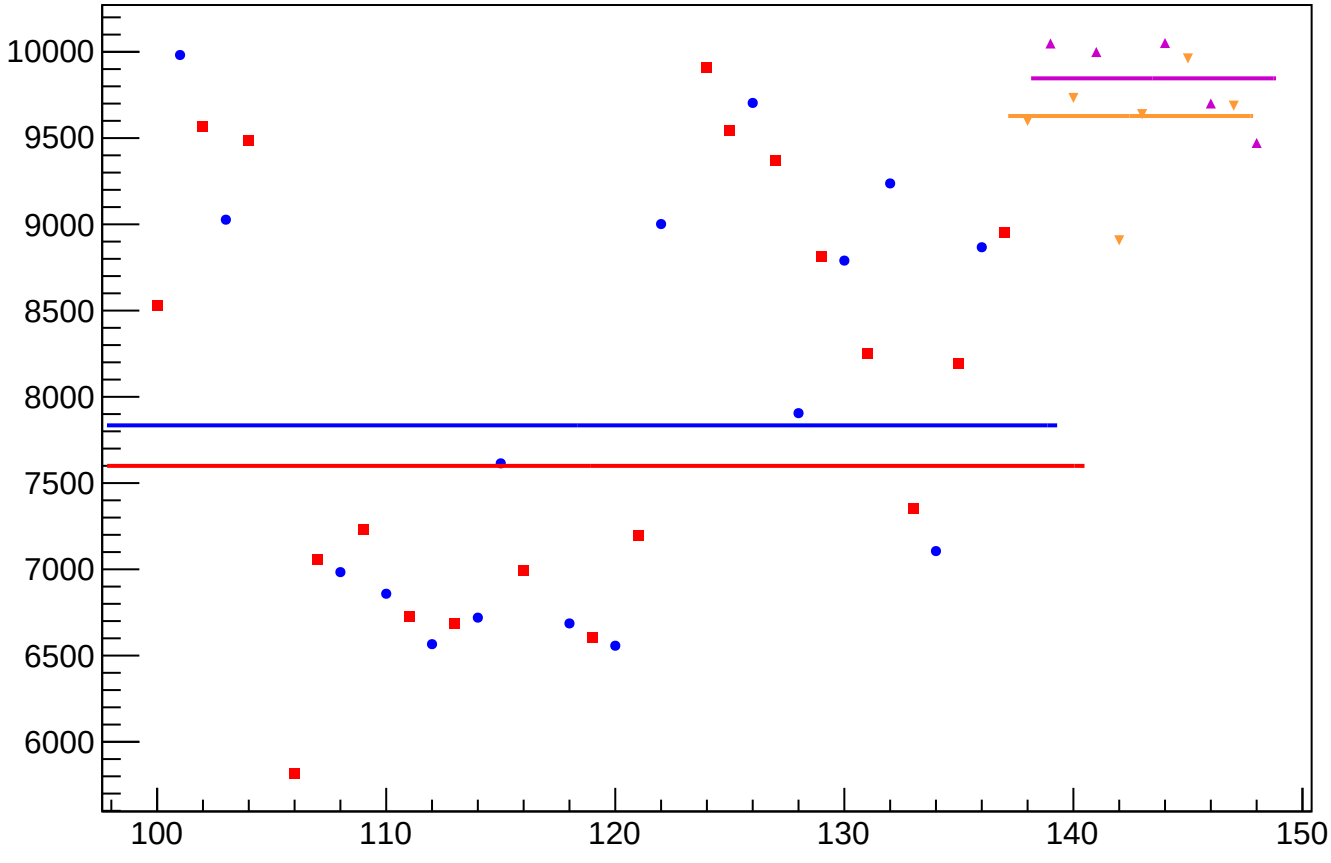
Left In: 18.185+/-4.747 χ^2/NDF:2.9/4

+ sign 14.058+/-2.477 χ^2/NDF: 62.0/21

All: 6.458+/-1.730 χ^2/NDF: 134.7/45

- sign -0.786+/-2.418 χ^2/NDF: 54.3/23

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

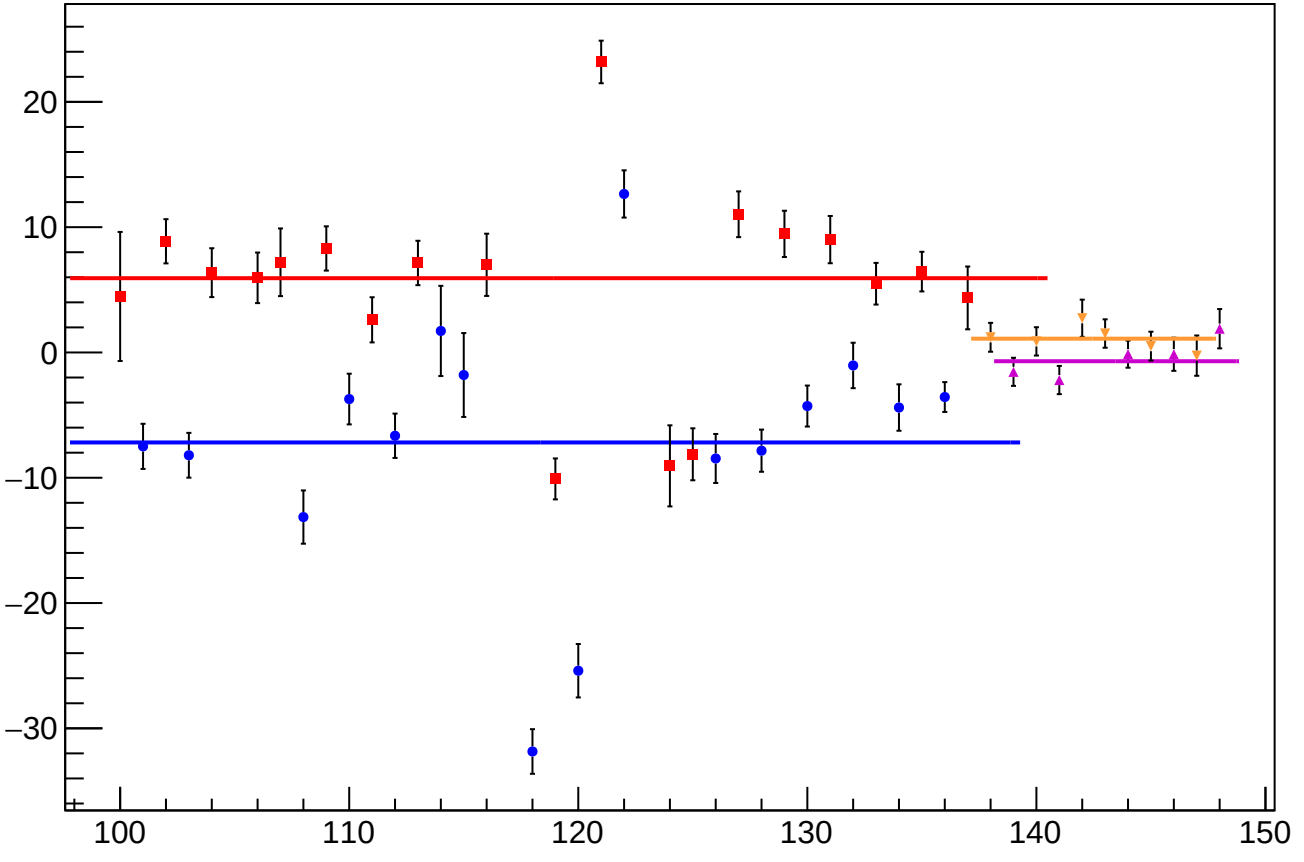
Left In: 9846.330+/-3.356 χ^2/NDF:4816.4/4

+ sign 8365.260+/-1.751 χ^2/NDF: 544304.1/21

All: 8271.860+/-1.224 χ^2/NDF: 1230694.0/45

- sign 8182.829+/-1.710 χ^2/NDF: 680835.1/23

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

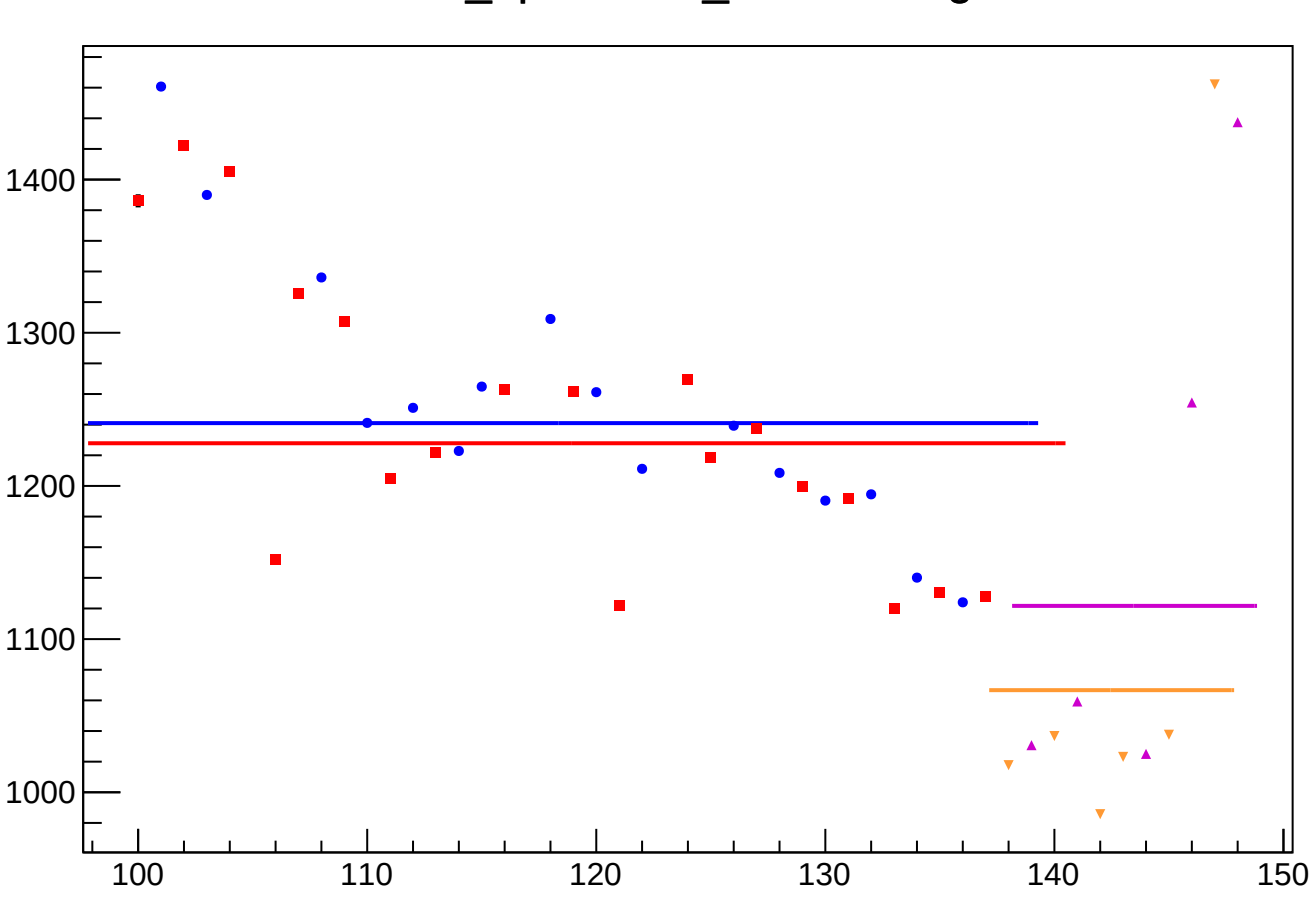
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -0.700+/-0.541 χ^2/NDF:5.5/4

+ sign -3.412+/-0.341 χ^2/NDF: 570.7/21

All: -0.136+/-0.243 χ^2/NDF: 1142.1/45

- sign 3.224+/-0.346 χ^2/NDF: 384.7/23



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

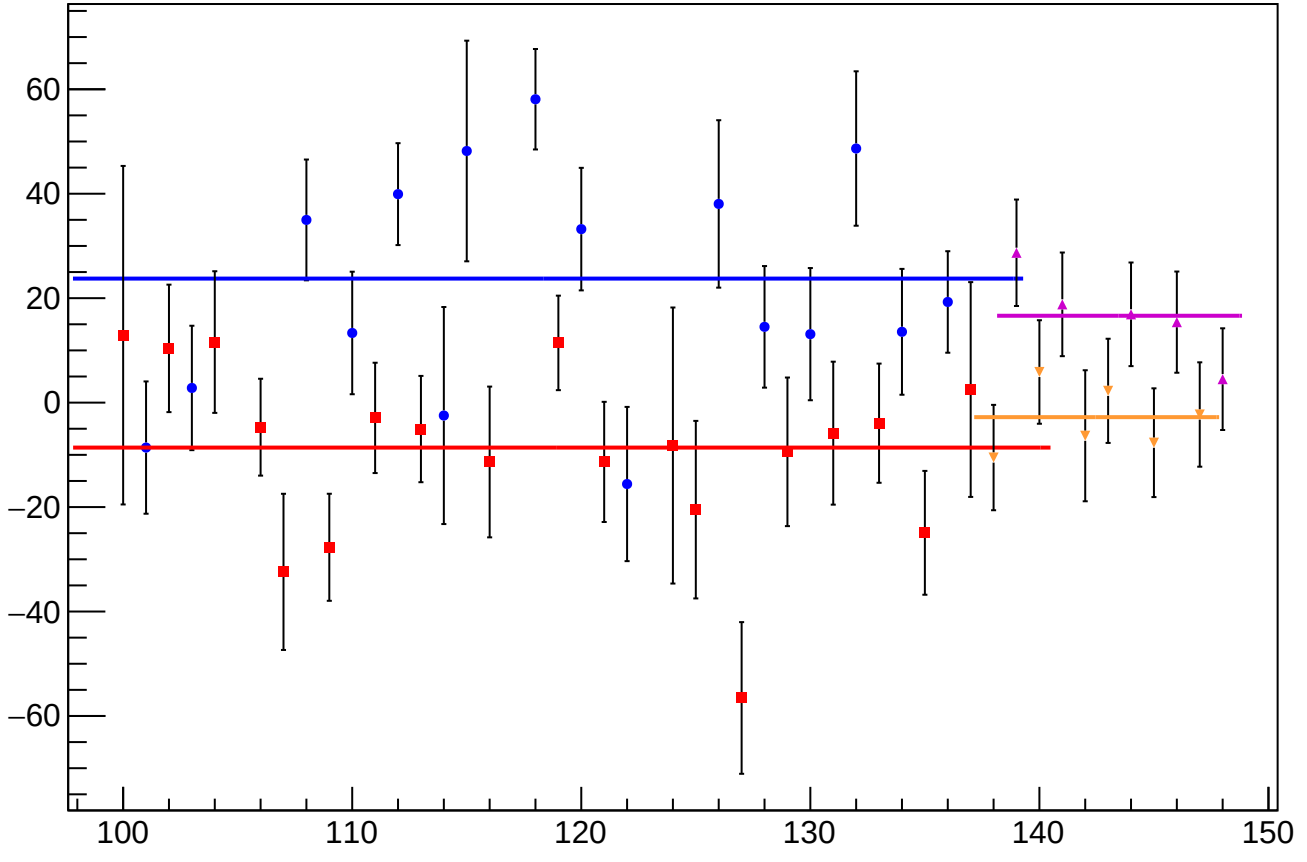
Left In: 1121.694+/-0.383 χ^2/NDF:136394.7/4

+ sign 1161.648+/-0.241 χ^2/NDF: 346247.9/21

All: 1172.956+/-0.172 χ^2/NDF: 615012.8/45

- sign 1184.557+/-0.244 χ^2/NDF: 264315.4/23

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

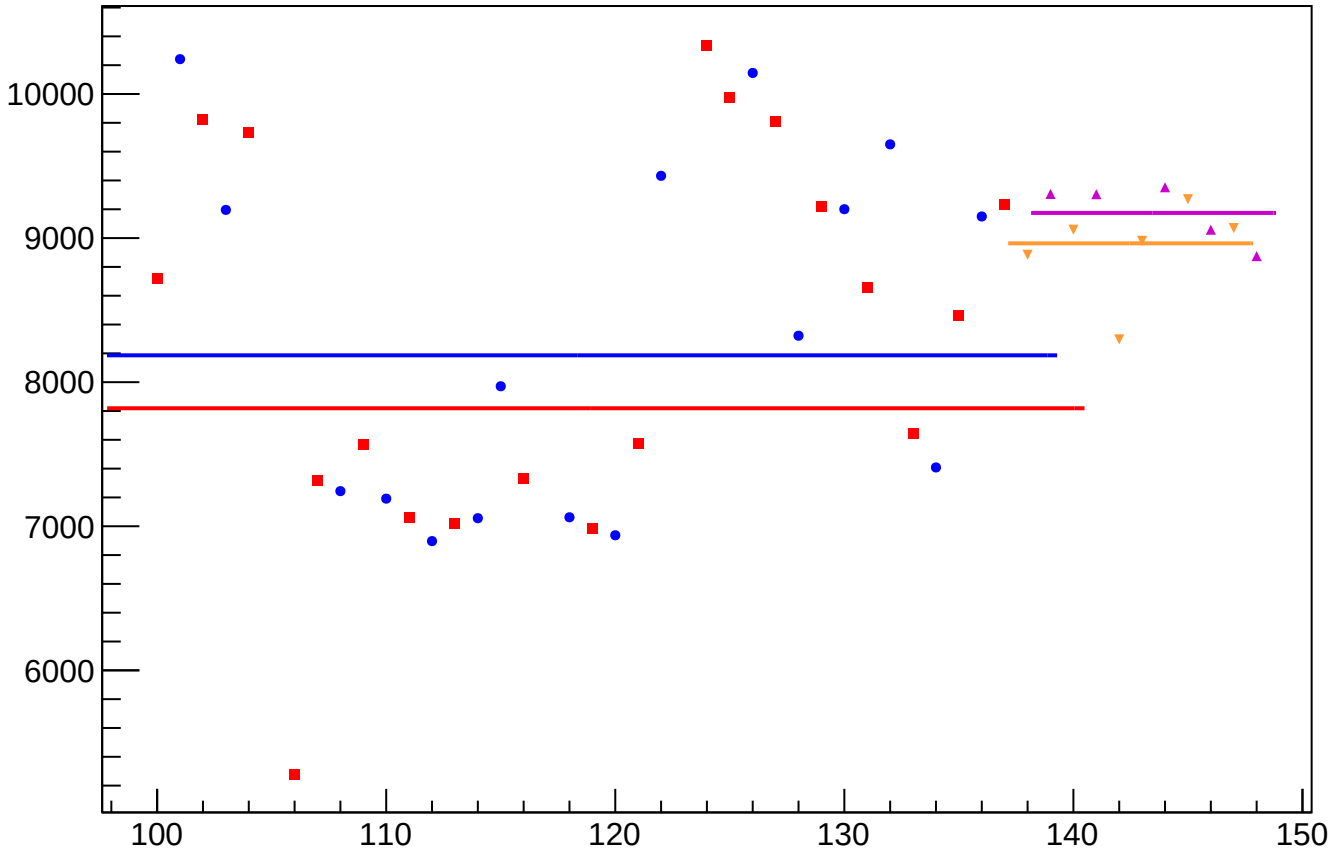
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 16.634+/-4.422 χ^2/NDF:3.0/4

+ sign 14.576+/-2.492 χ^2/NDF: 71.0/21

All: 6.562+/-1.738 χ^2/NDF: 147.4/45

- sign -1.021+/-2.424 χ^2/NDF: 56.3/23



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

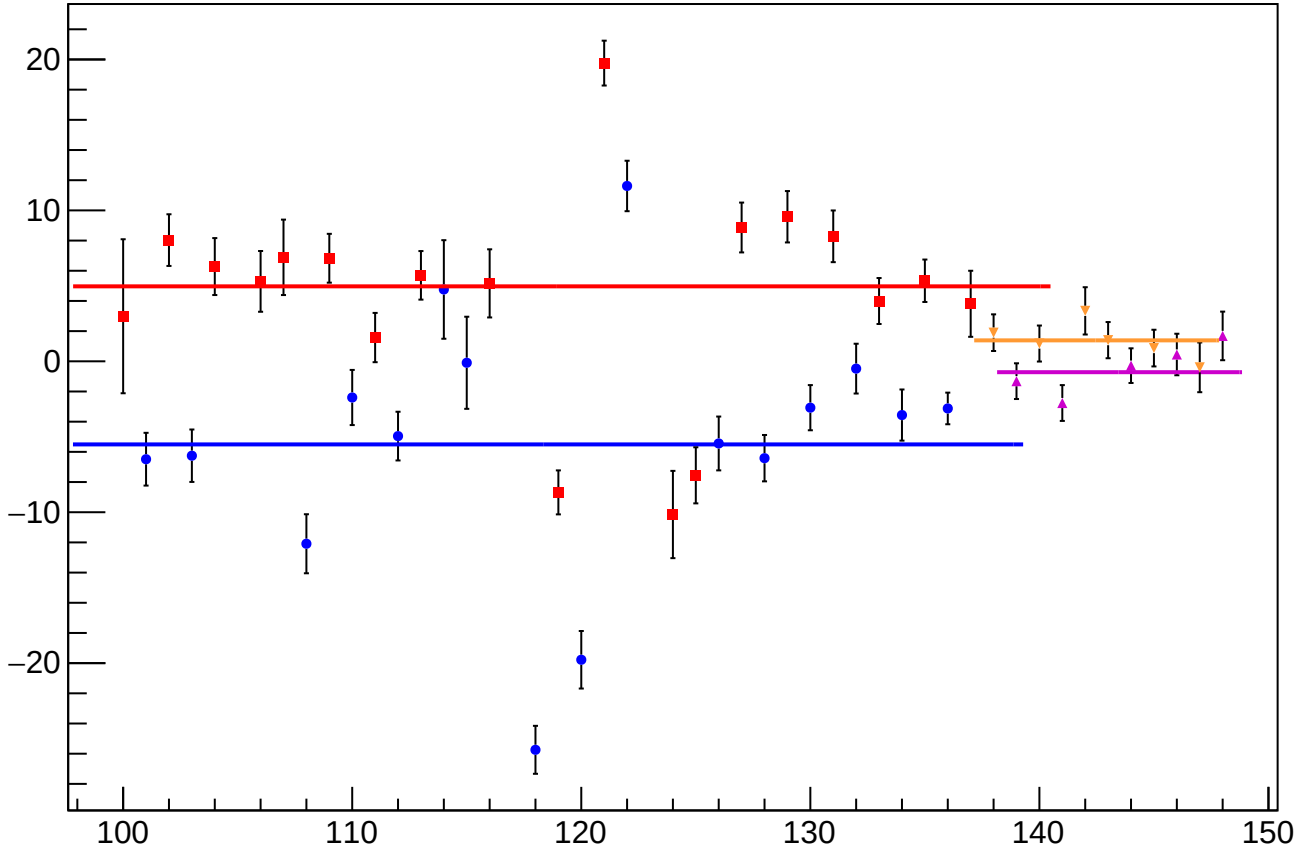
Left In: 9174.675+/-3.127 χ^2/NDF:3508.6/4

+ sign 8455.077+/-1.762 χ^2/NDF: 342534.6/21

All: 8337.631+/-1.229 χ^2/NDF: 909167.4/45

- sign 8226.508+/-1.714 χ^2/NDF: 557990.3/23

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

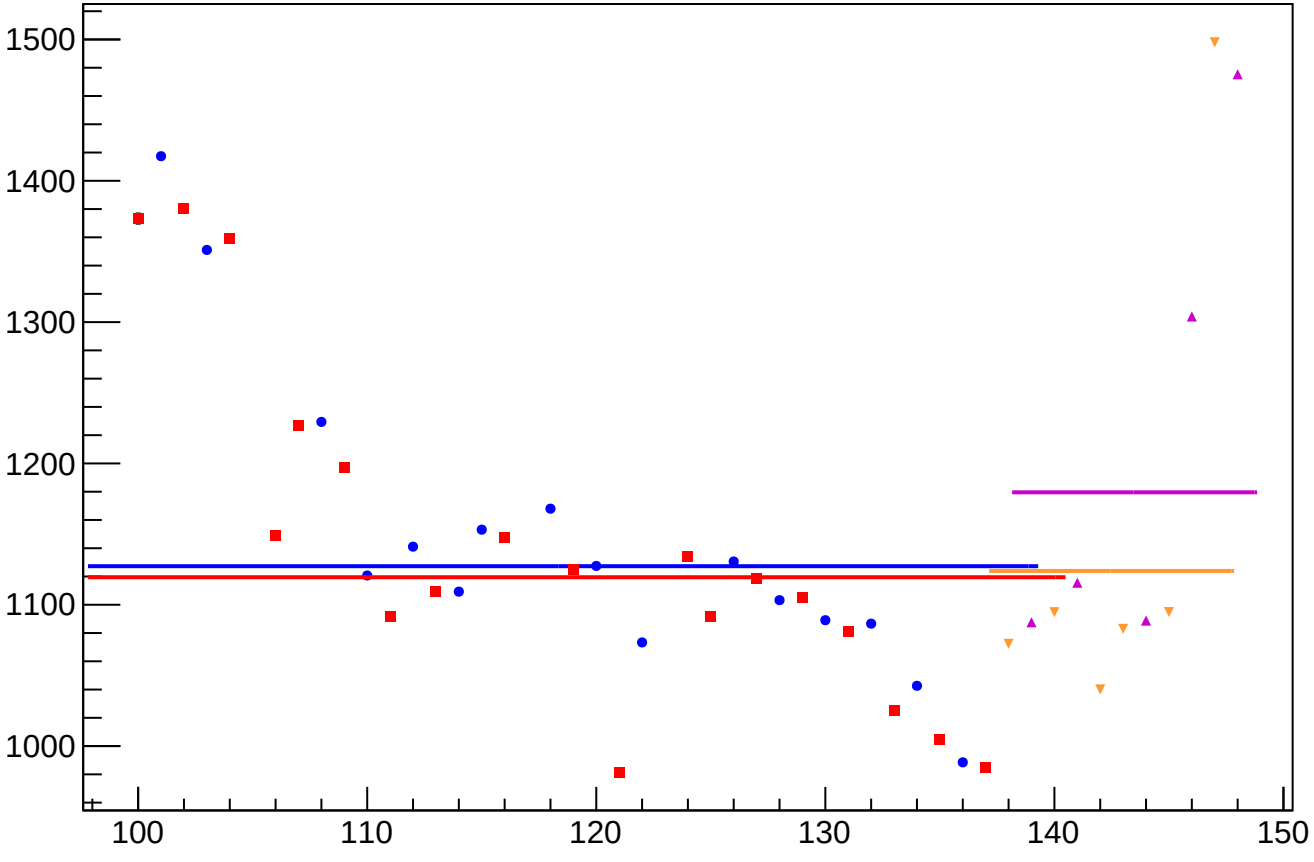
Left In: -0.721+/-0.568 χ^2/NDF:6.3/4

+ sign -2.855+/-0.330 χ^2/NDF: 476.1/21

All: 0.059+/-0.234 χ^2/NDF: 992.6/45

- sign 3.018+/-0.333 χ^2/NDF: 359.5/23

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

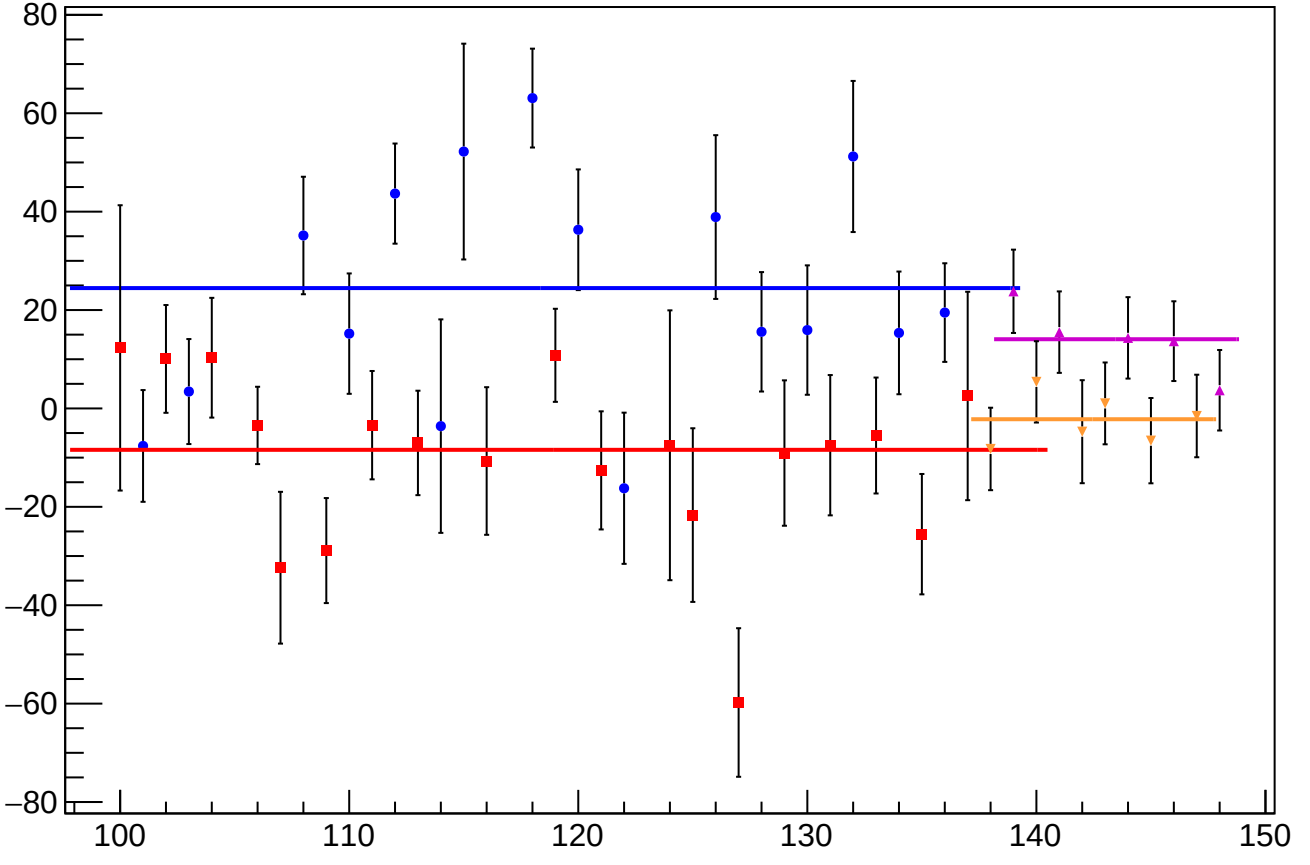
Left In: 1179.573+/-0.402 χ^2/NDF:114270.4/4

\+ sign 1125.995+/-0.233 χ^2/NDF: 257780.9/21

All: 1132.980+/-0.166 χ^2/NDF: 529295.3/45

\- sign 1140.071+/-0.235 χ^2/NDF: 269710.6/23

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

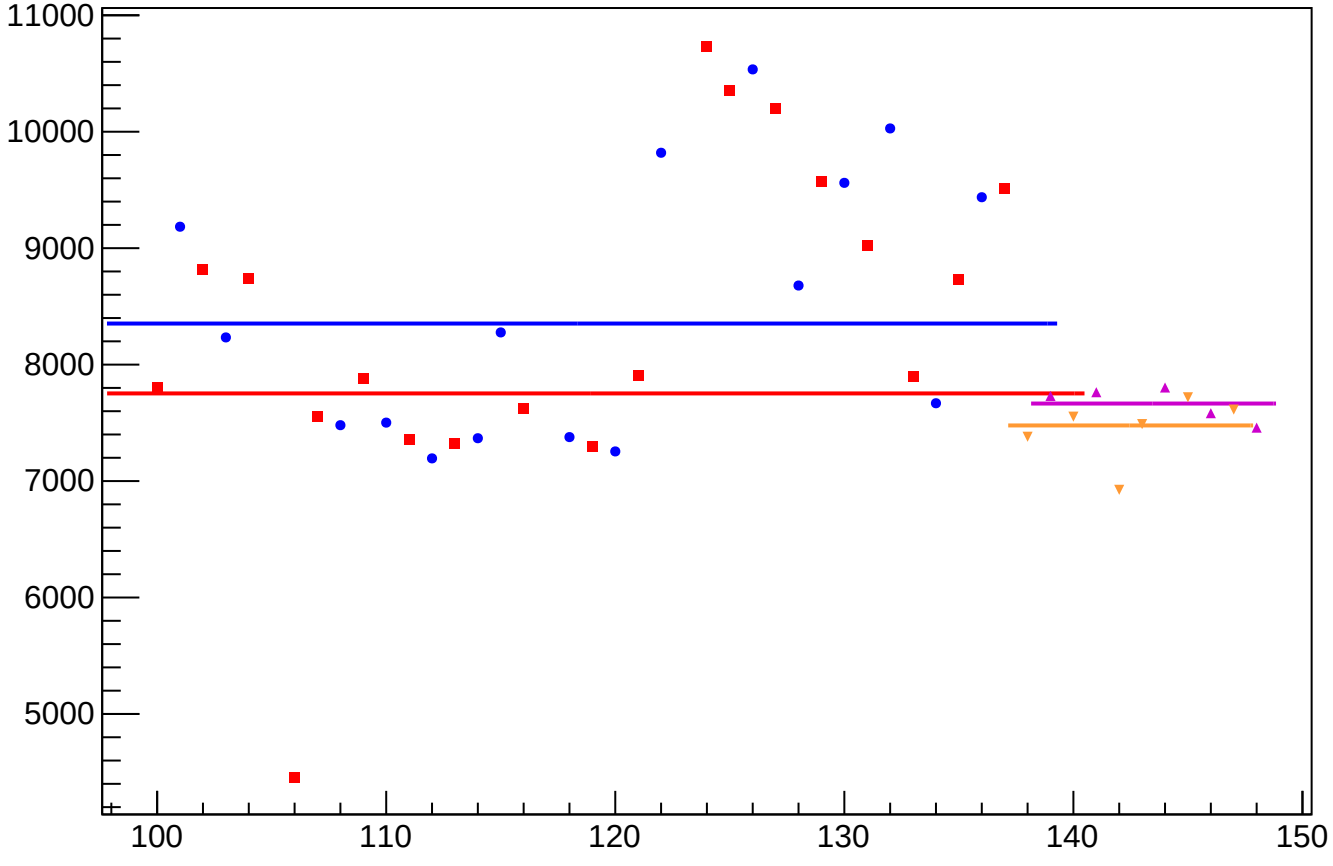
Left In: 14.068+/-3.694 χ^2/NDF:3.0/4

+ sign 12.726+/-2.346 χ^2/NDF: 82.0/21

All: 6.237+/-1.634 χ^2/NDF: 153.9/45

- sign 0.127+/-2.277 χ^2/NDF: 57.1/23

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

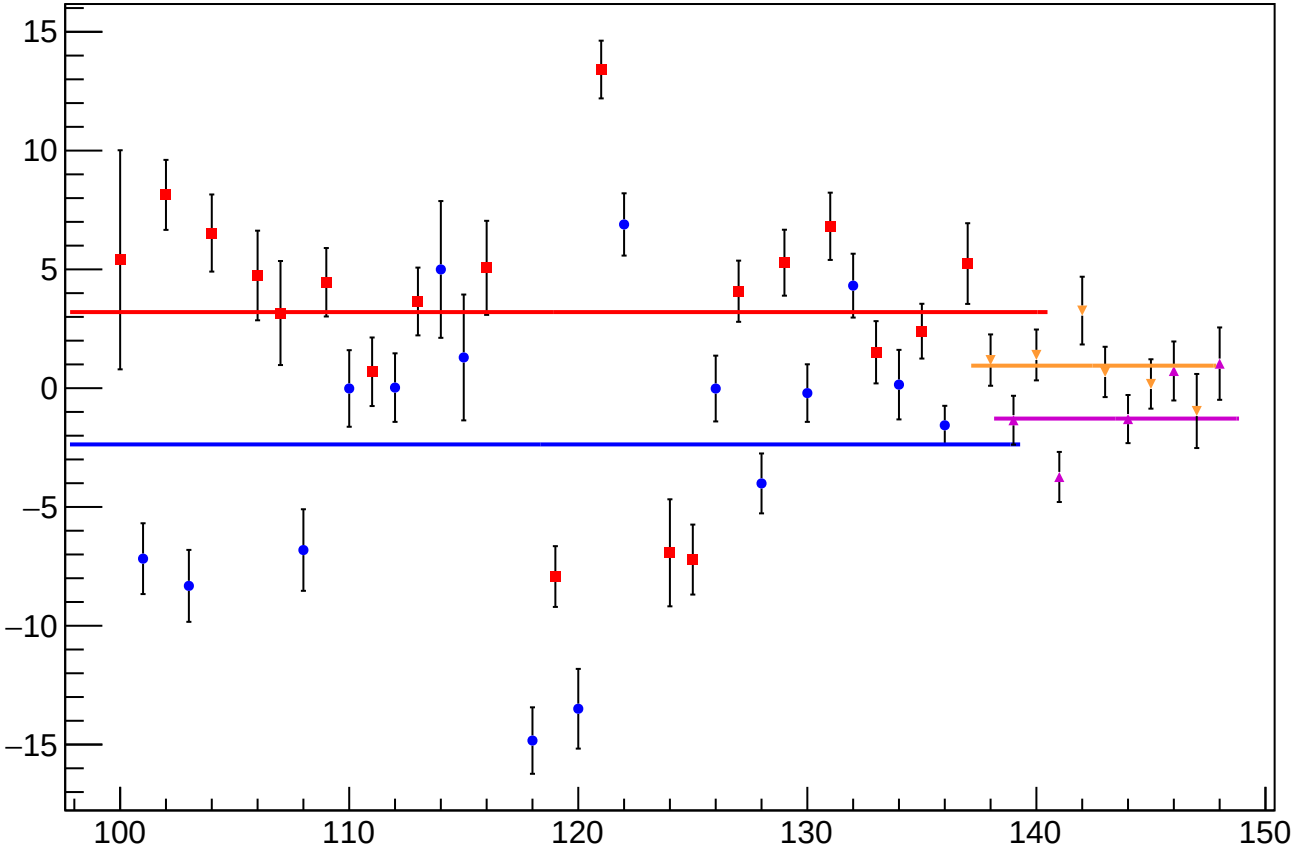
Left In: 7665.749+/-2.612 χ^2/NDF:2438.7/4

+ sign 7967.452+/-1.659 χ^2/NDF: 297075.0/21

All: 7839.819+/-1.155 χ^2/NDF: 899763.4/45

- sign 7719.653+/-1.610 χ^2/NDF: 591197.6/23

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

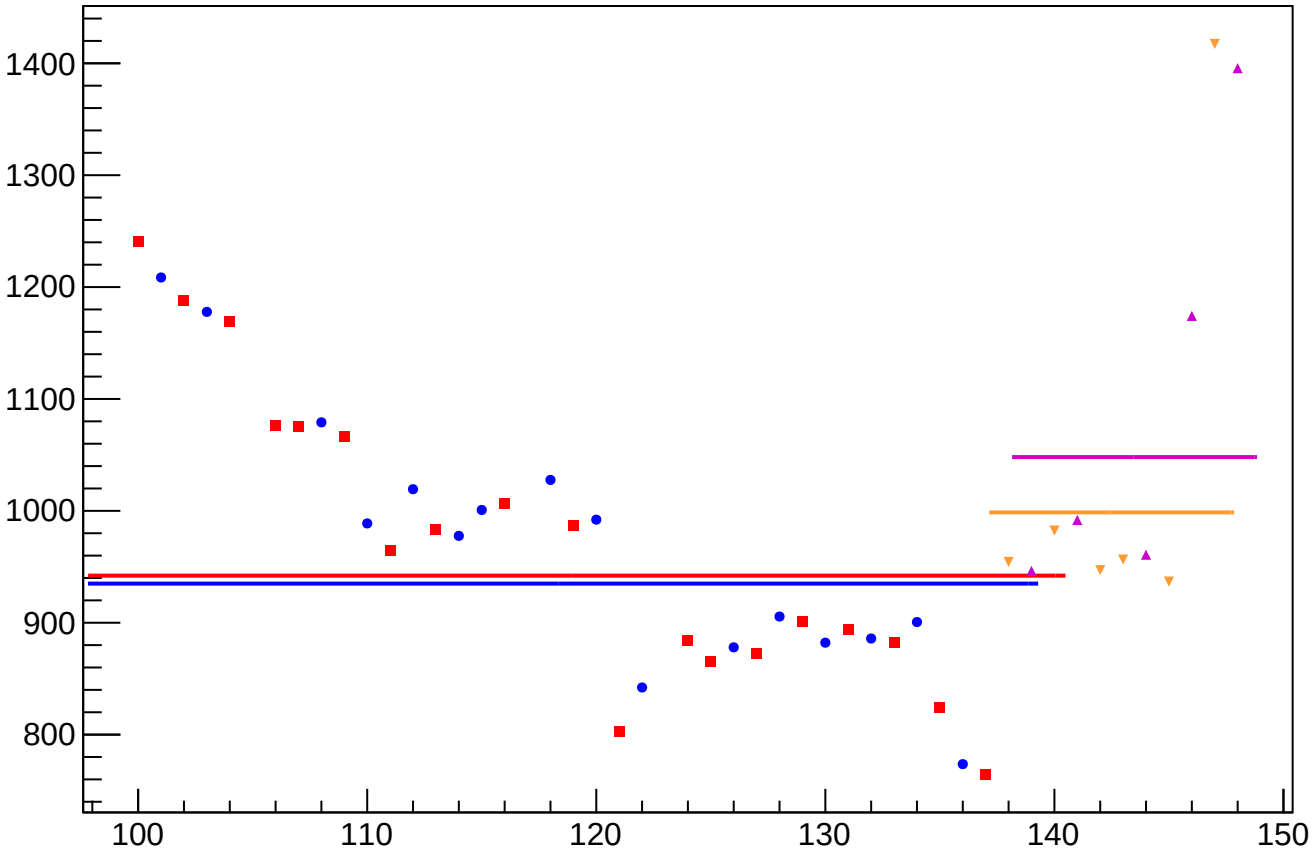
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.280+/-0.507 χ^2/NDF:10.3/4

+ sign -1.196+/-0.282 χ^2/NDF: 292.2/21

All: 0.268+/-0.201 χ^2/NDF: 661.2/45

- sign 1.774+/-0.286 χ^2/NDF: 314.2/23



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

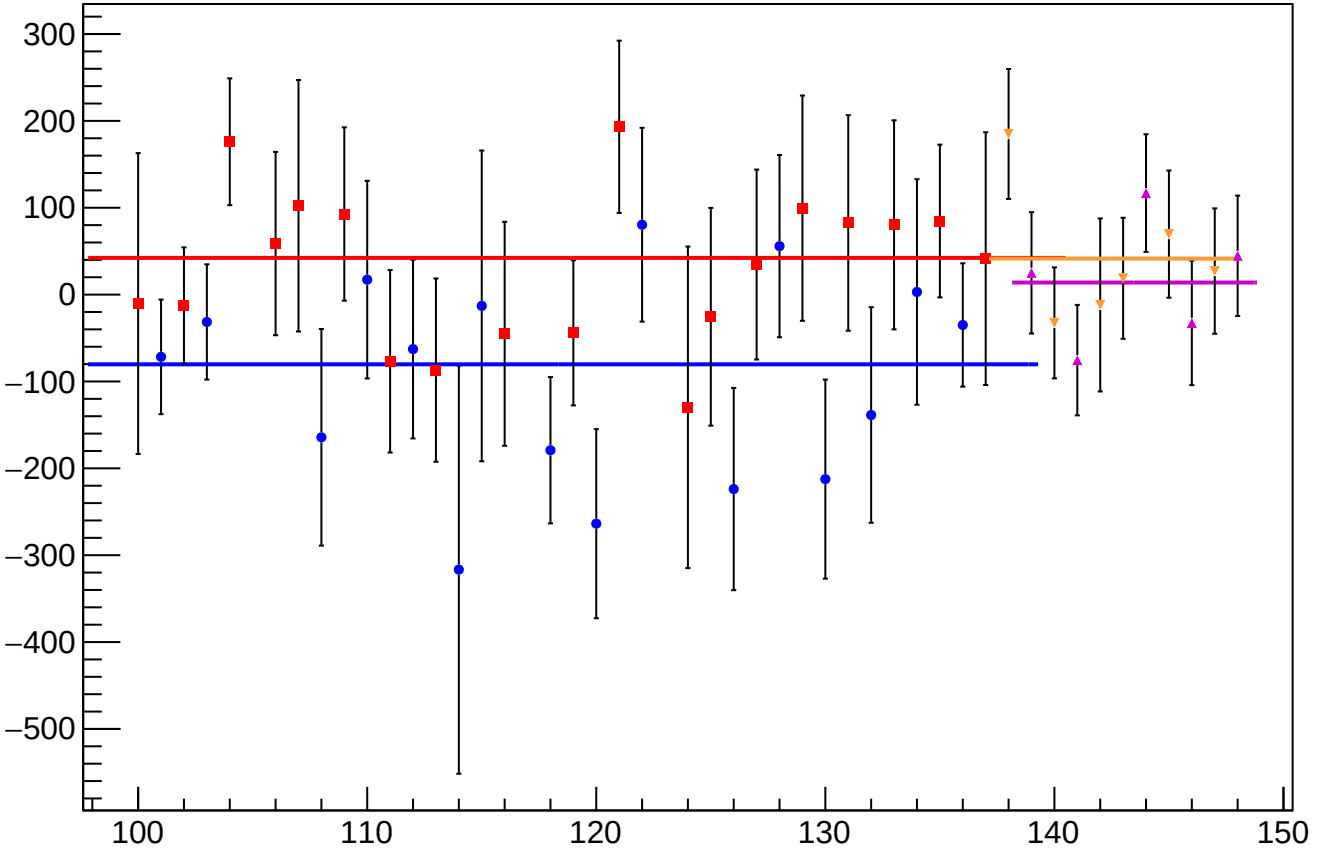
Left In: 1048.057+/-0.358 χ^2/NDF:164843.8/4

+ sign 957.465+/-0.199 χ^2/NDF: 438583.5/21

All: 966.529+/-0.142 χ^2/NDF: 899719.6/45

- sign 975.858+/-0.202 χ^2/NDF: 456937.6/23

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

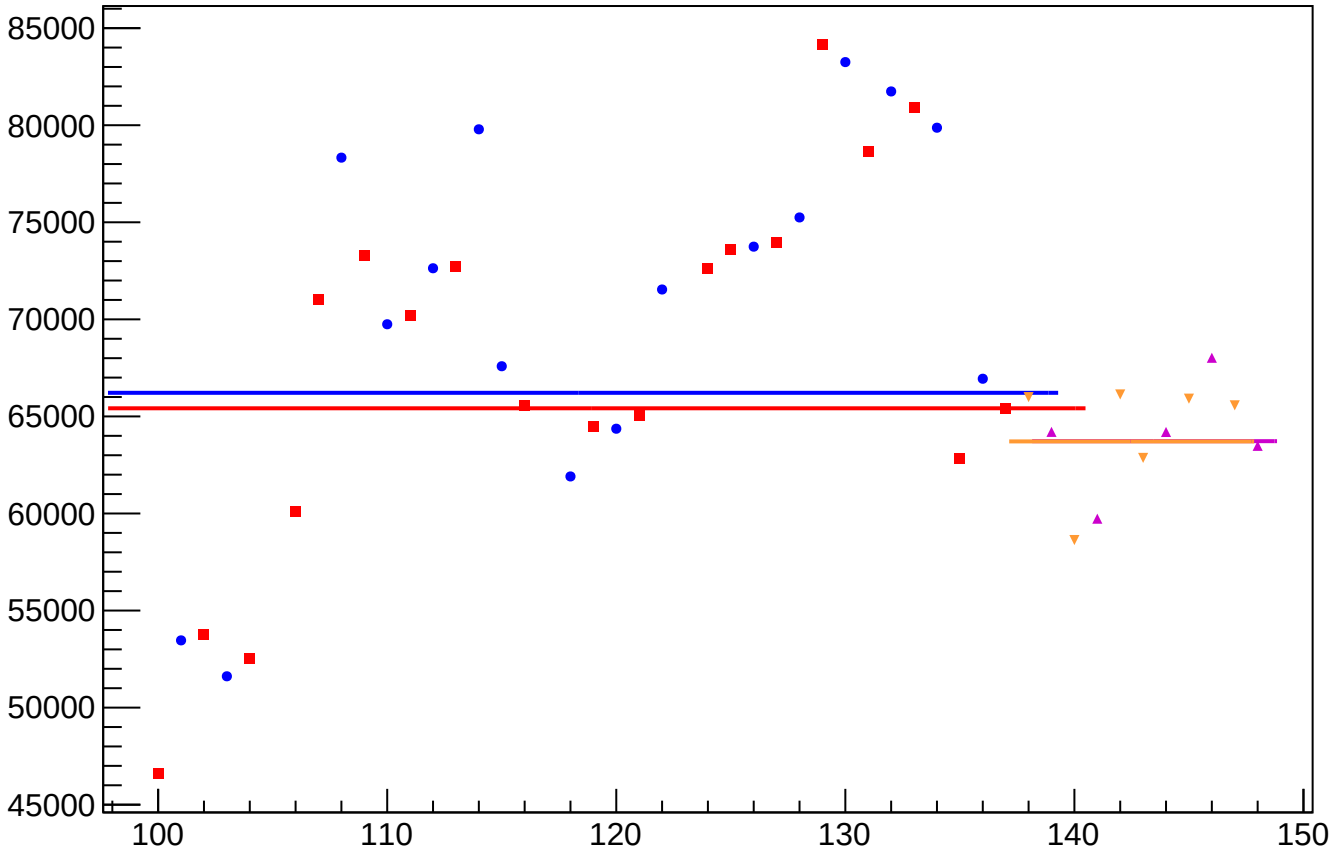
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 13.919+/-30.527 χ^2/NDF:4.9/4

\+ sign -30.638+/-19.171 χ^2/NDF: 30.1/21

All: 0.740+/-13.473 χ^2/NDF: 53.9/45

\- sign 31.356+/-18.937 χ^2/NDF: 18.4/23



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

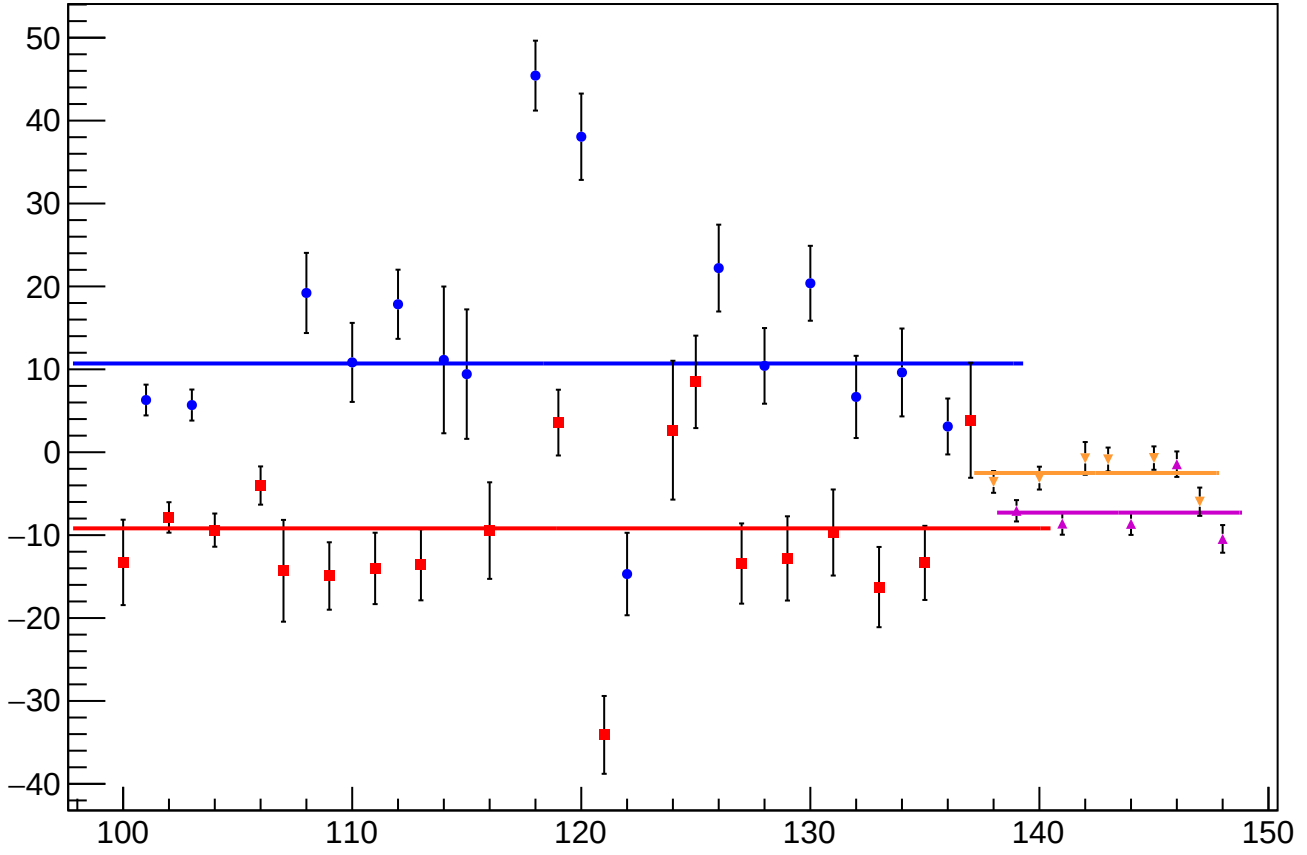
Left In: 63725.109+/-21.586 χ^2/NDF:15286.4/4

+ sign 65195.627+/-13.556 χ^2/NDF: 365727.6/21

All: 64978.605+/-9.527 χ^2/NDF: 689862.4/45

- sign 64766.852+/-13.391 χ^2/NDF: 323628.4/23

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

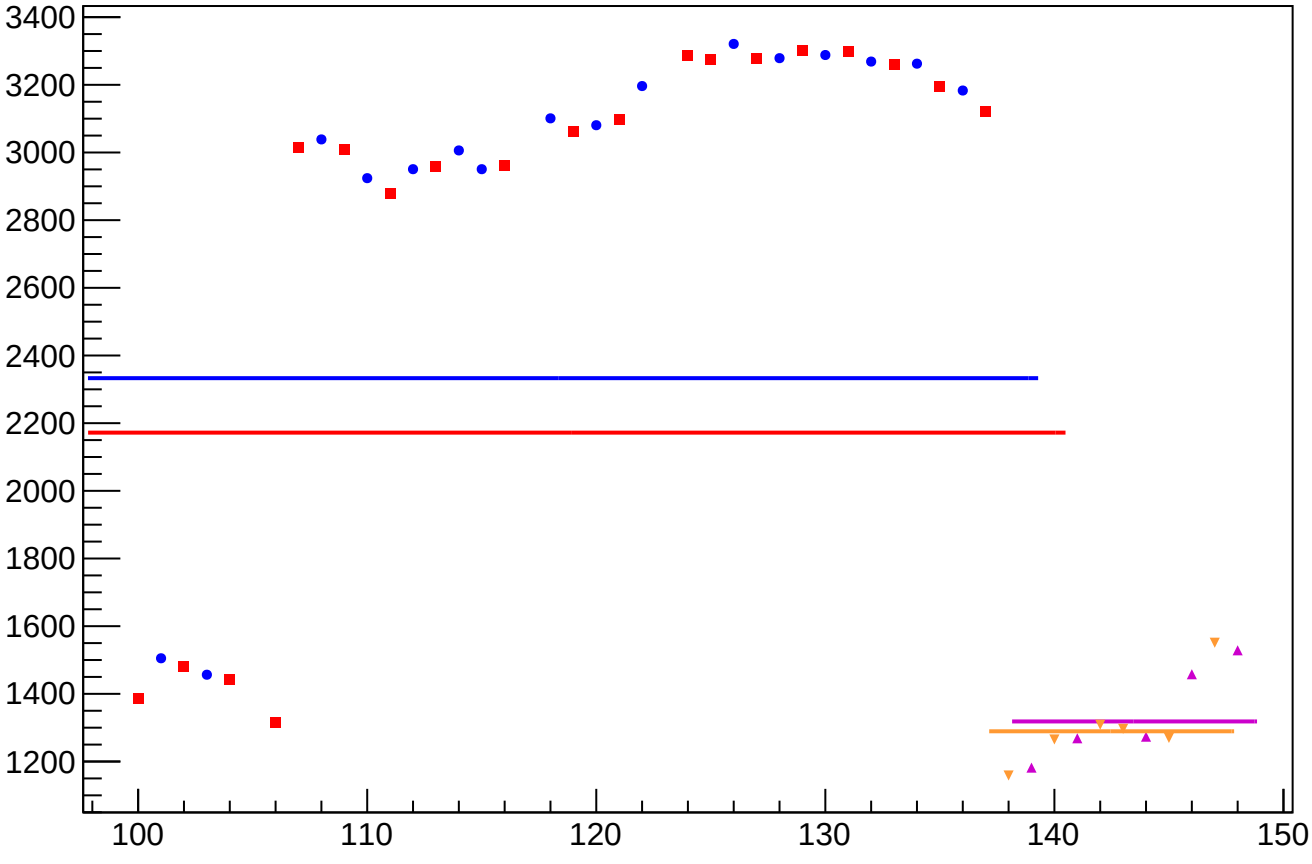
Left In: -7.284+/-0.634 χ^2/NDF:20.1/4

+ sign 1.519+/-0.508 χ^2/NDF: 307.4/21

All: -3.220+/-0.359 χ^2/NDF: 574.4/45

- sign -7.962+/-0.508 χ^2/NDF: 92.8/23

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

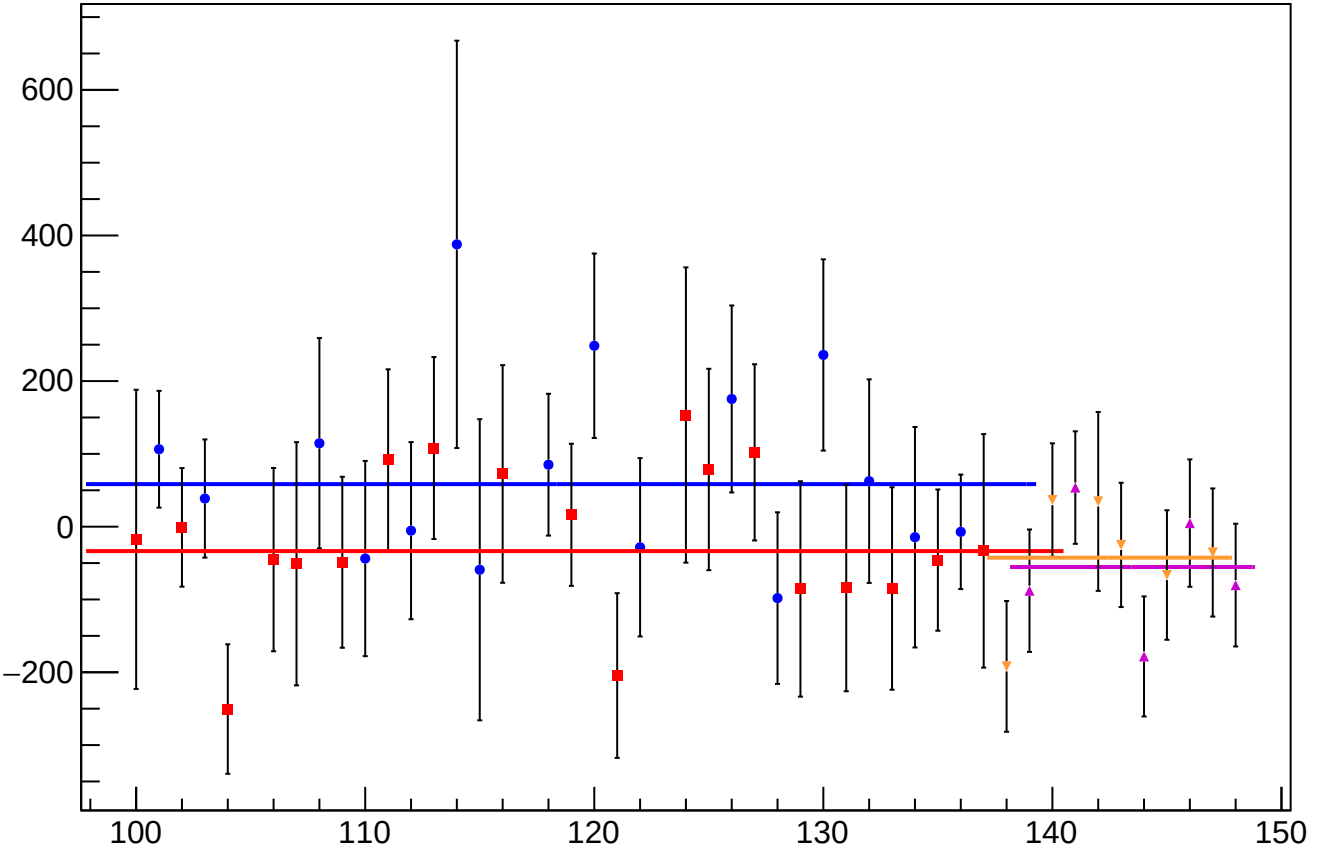
Left In: 1318.429+/-0.448 χ^2/NDF:75717.4/4

+ sign 1607.101+/-0.359 χ^2/NDF: 3507658.6/21

All: 1615.195+/-0.254 χ^2/NDF: 6864839.9/45

- sign 1623.293+/-0.359 χ^2/NDF: 3356165.4/23

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

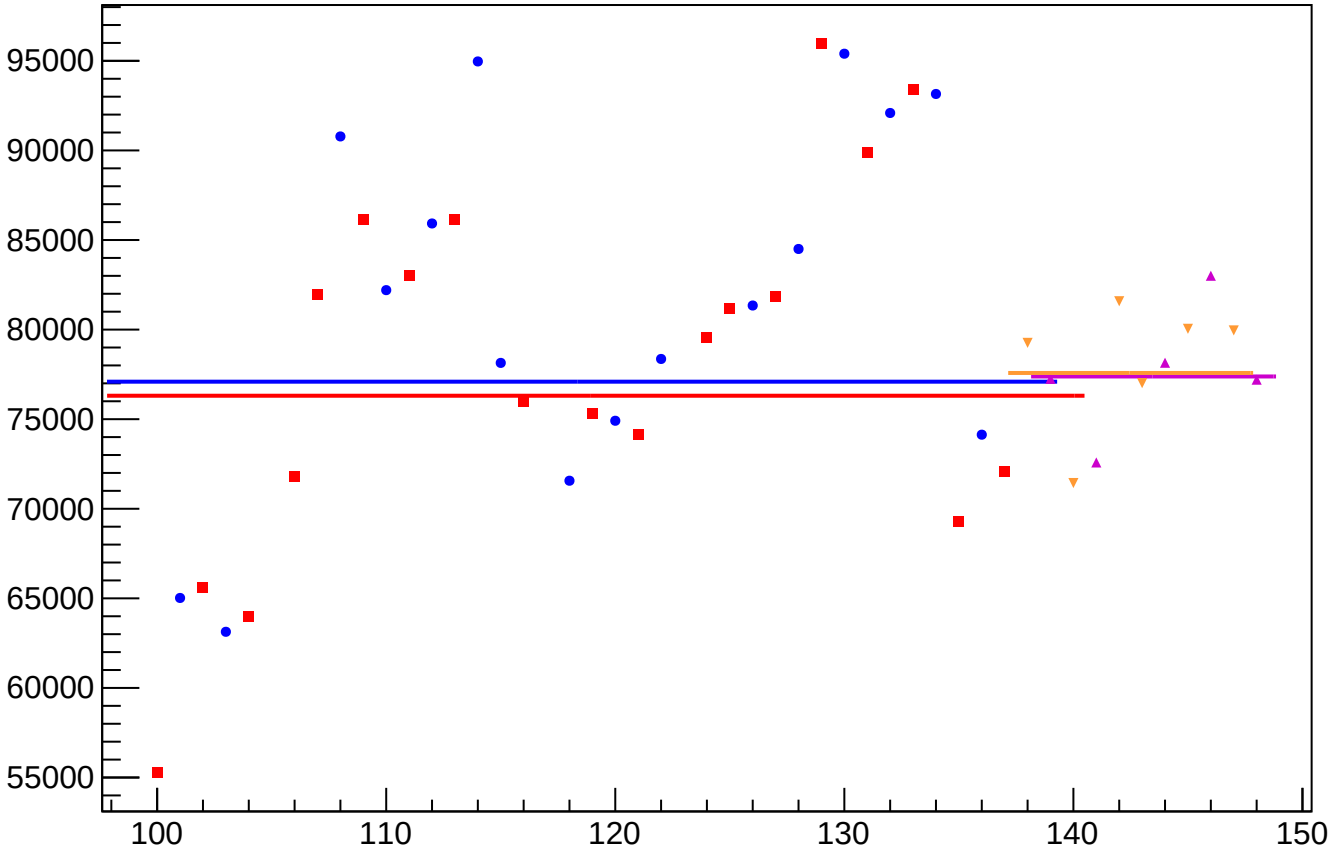
Left In: -55.410+/-37.078 χ^2/NDF:4.9/4

+ sign 19.571+/-22.683 χ^2/NDF: 20.3/21

All: -11.355+/-15.938 χ^2/NDF: 43.8/45

- sign -41.508+/-22.398 χ^2/NDF: 19.8/23

diff_bpm0r05X_rms vs Slug



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77579.842+/-25.859 χ^2/NDF:18345.5/5

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

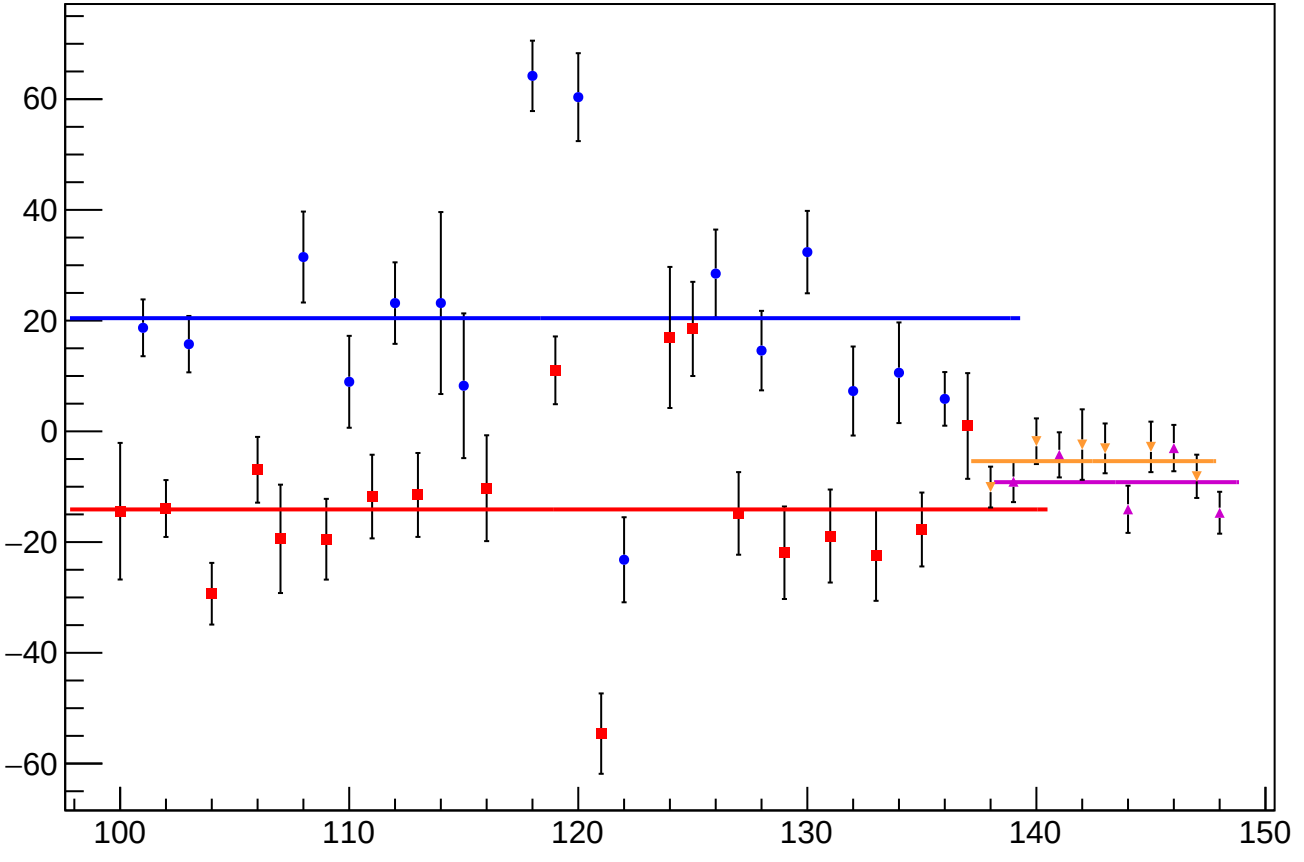
Left In: 77383.816+/-26.218 χ^2/NDF:16158.4/4

+ sign 77280.370+/-16.039 χ^2/NDF: 267106.2/21

All: 76987.036+/-11.270 χ^2/NDF: 519426.3/4

- sign 76701.029+/-15.838 χ^2/NDF: 251659.6/23

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

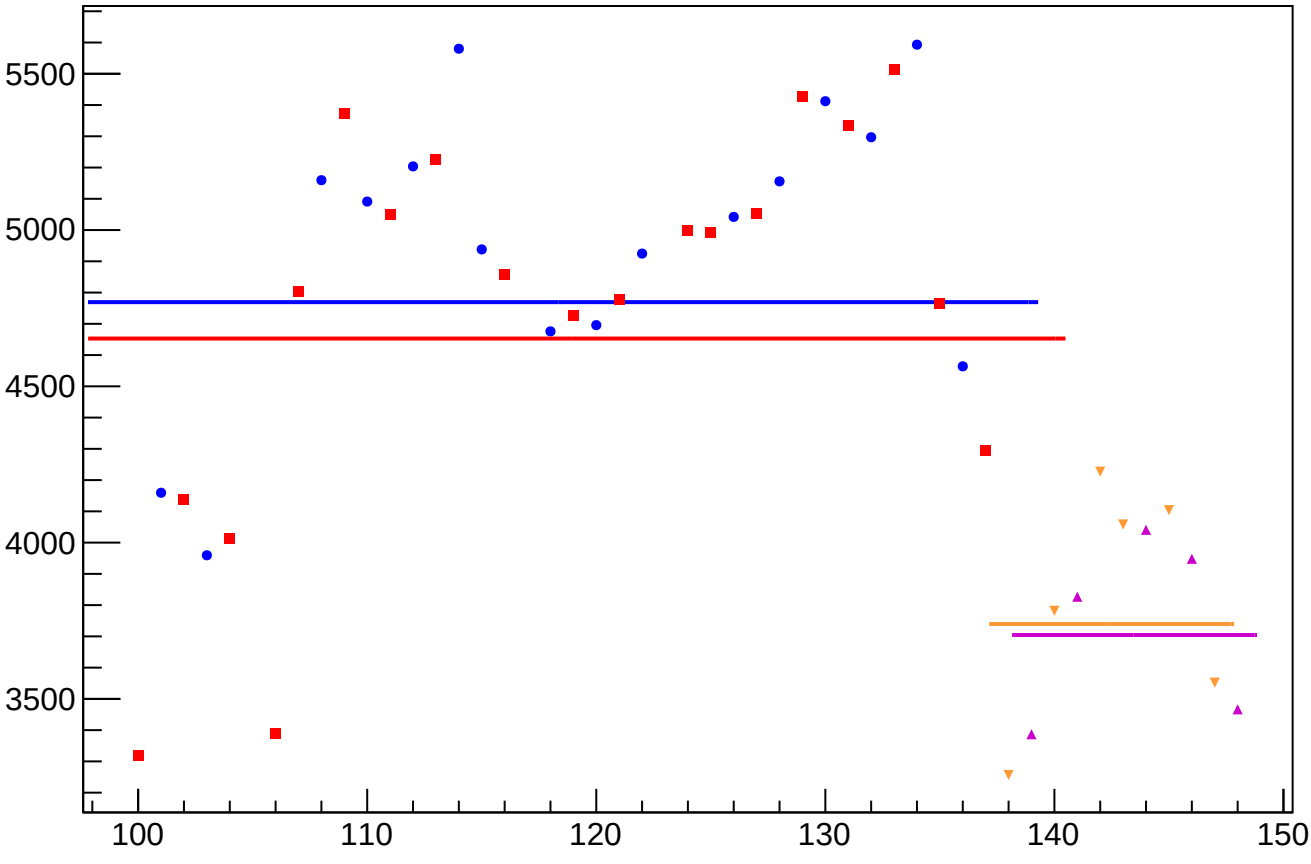
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -9.177+/-1.781 χ^2/NDF:7.1/4

+ sign 7.429+/-1.255 χ^2/NDF: 237.3/21

All: -2.309+/-0.880 χ^2/NDF: 450.6/45

- sign -11.734+/-1.235 χ^2/NDF: 94.8/23



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

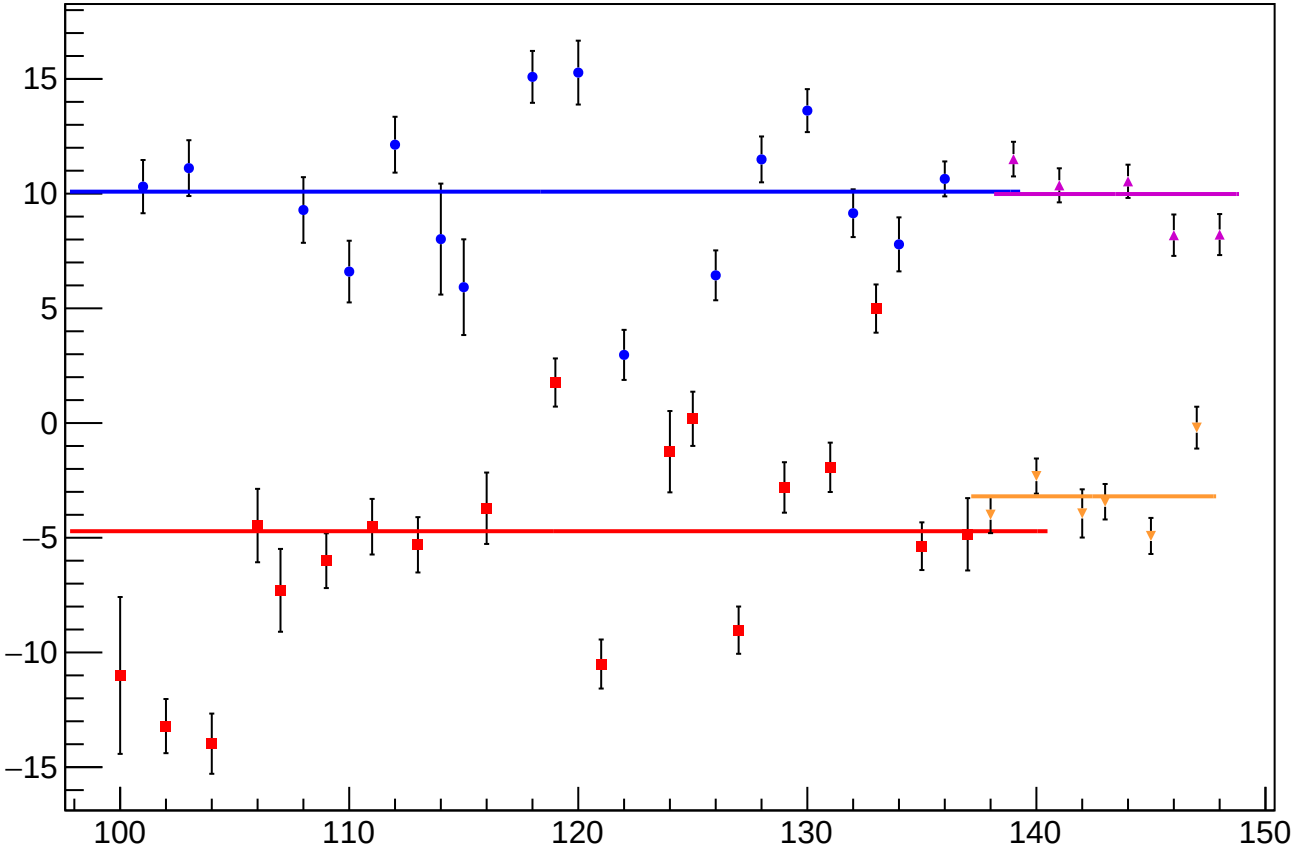
Left In: 3704.358+/-1.259 χ^2/NDF:43686.5/4

+ sign 4250.470+/-0.888 χ^2/NDF: 561846.1/21

All: 4223.247+/-0.622 χ^2/NDF: 1167131.5/45

- sign 4196.899+/-0.873 χ^2/NDF: 603433.9/23

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

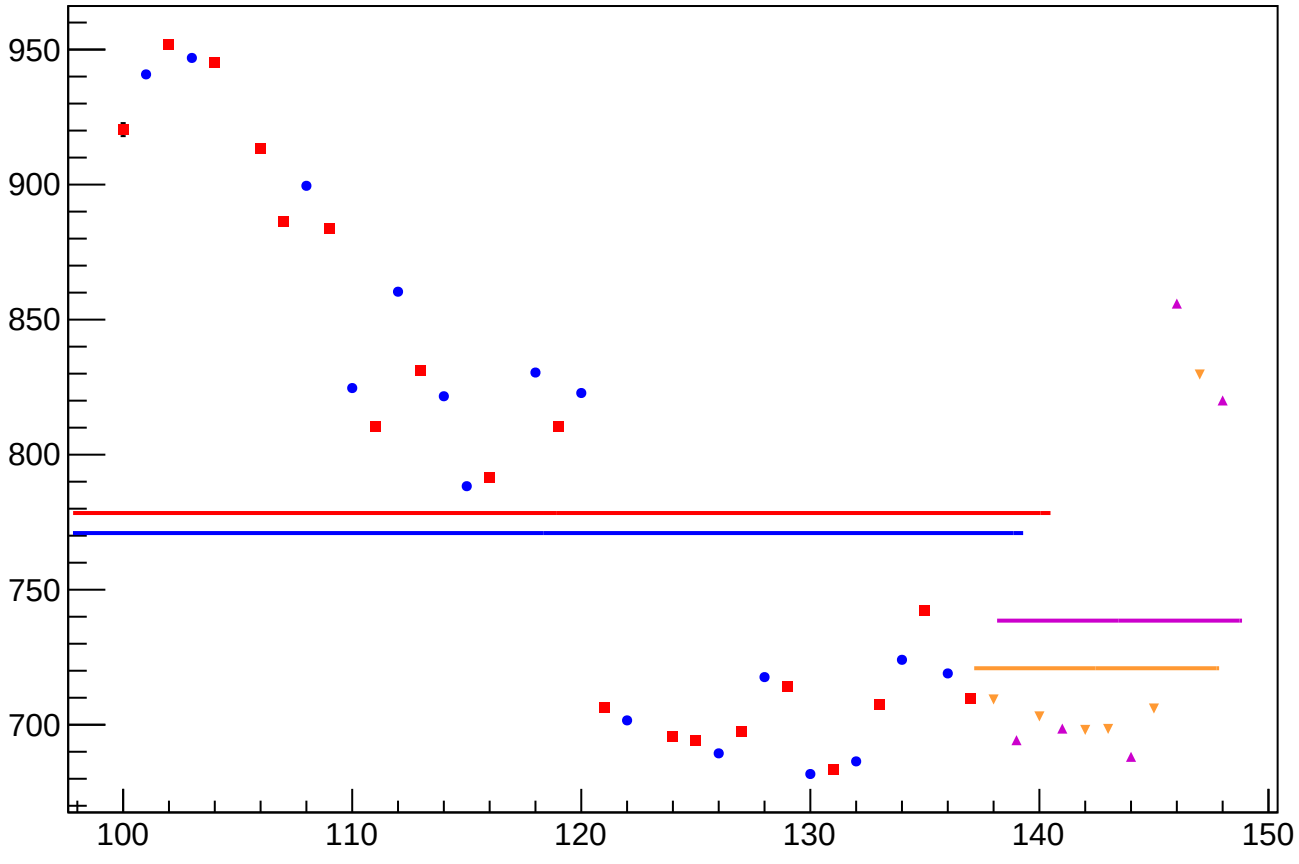
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 9.983+/-0.355 χ^2/NDF:12.8/4

+ sign 4.530+/-0.220 χ^2/NDF: 1029.9/21

All: 2.820+/-0.156 χ^2/NDF: 2516.5/45

- sign 1.071+/-0.223 χ^2/NDF: 1364.4/23



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

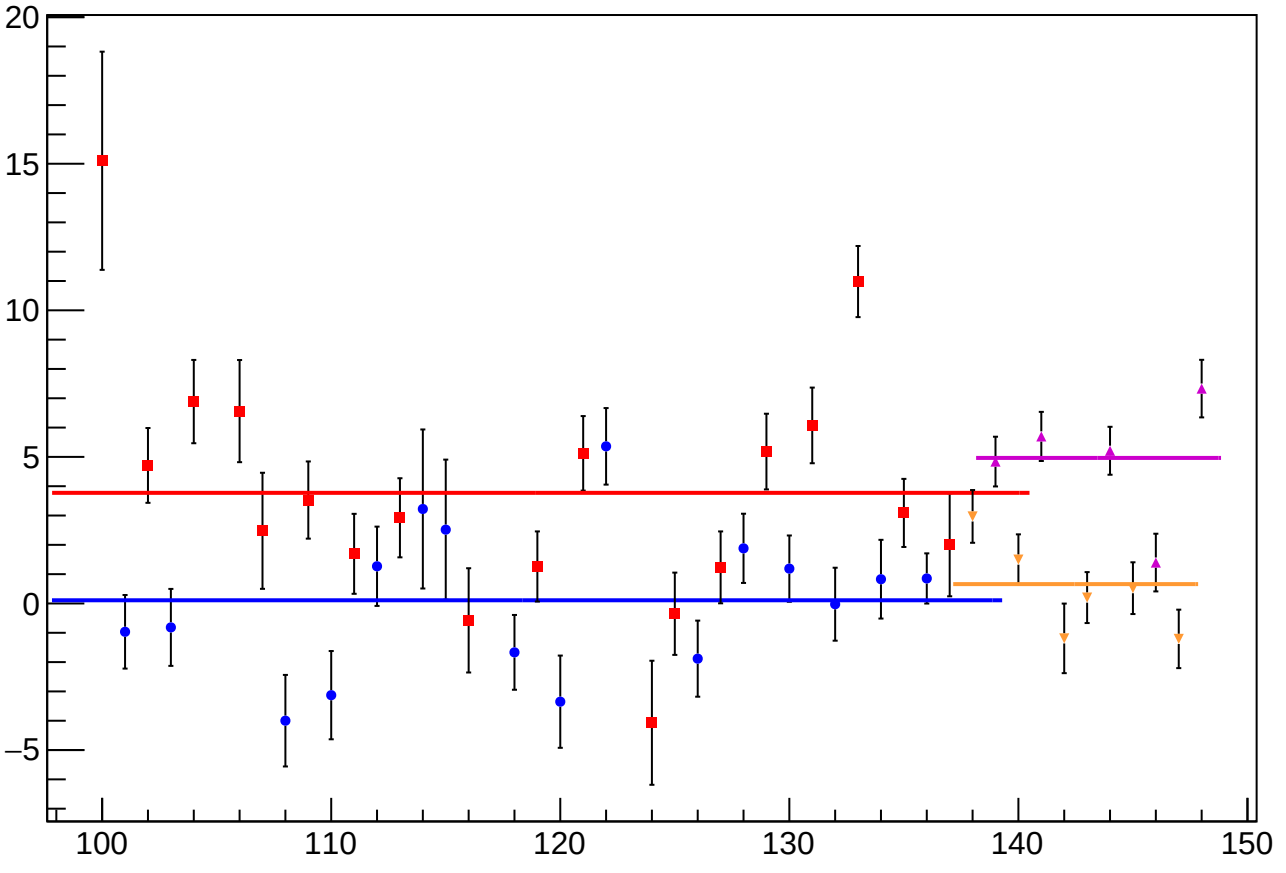
Left In: 738.552+/-0.251 χ^2/NDF:72812.9/4

+ sign 750.031+/-0.156 χ^2/NDF: 251403.3/21

All: 756.296+/-0.111 χ^2/NDF: 539349.5/45

- sign 762.711+/-0.157 χ^2/NDF: 284661.0/23

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

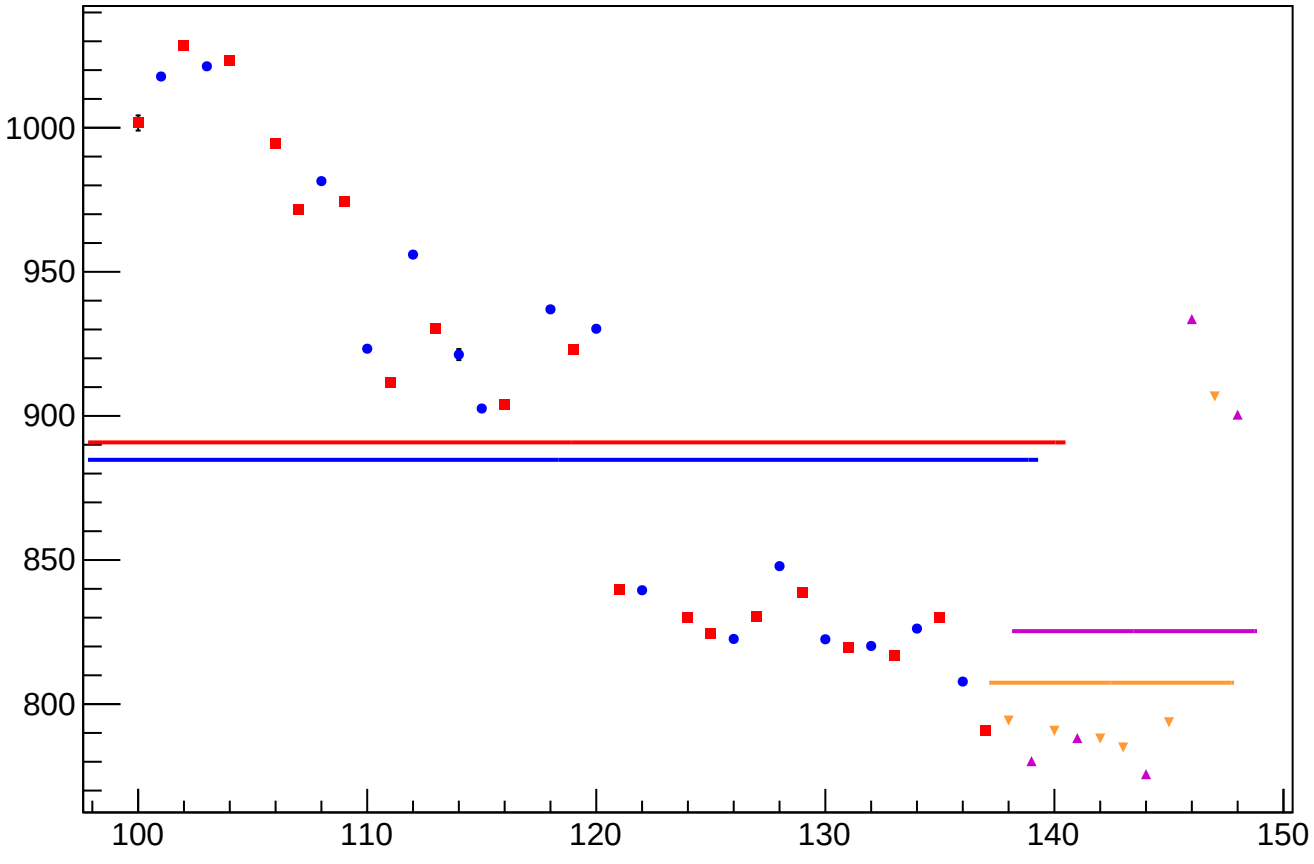
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 4.965+/-0.396 χ^2/NDF:19.8/4

+ sign 0.346+/-0.249 χ^2/NDF: 60.3/21

All: 2.282+/-0.177 χ^2/NDF: 307.0/45

- sign 4.255+/-0.252 χ^2/NDF: 124.8/23



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

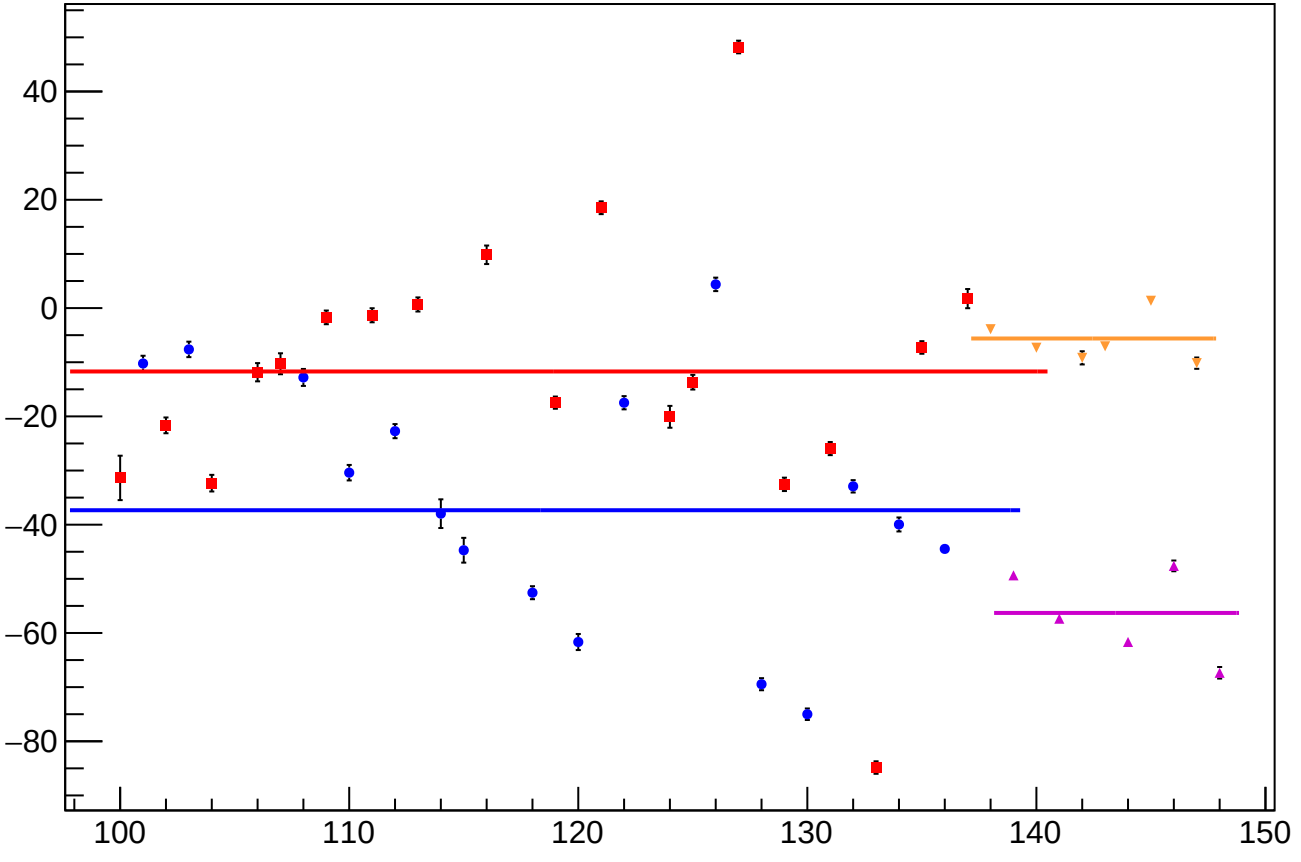
Left In: 825.319+/-0.280 χ^2/NDF:52876.0/4

+ sign 851.582+/-0.176 χ^2/NDF: 175056.6/21

All: 857.901+/-0.125 χ^2/NDF: 370908.4/45

- sign 864.343+/-0.178 χ^2/NDF: 193256.3/23

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

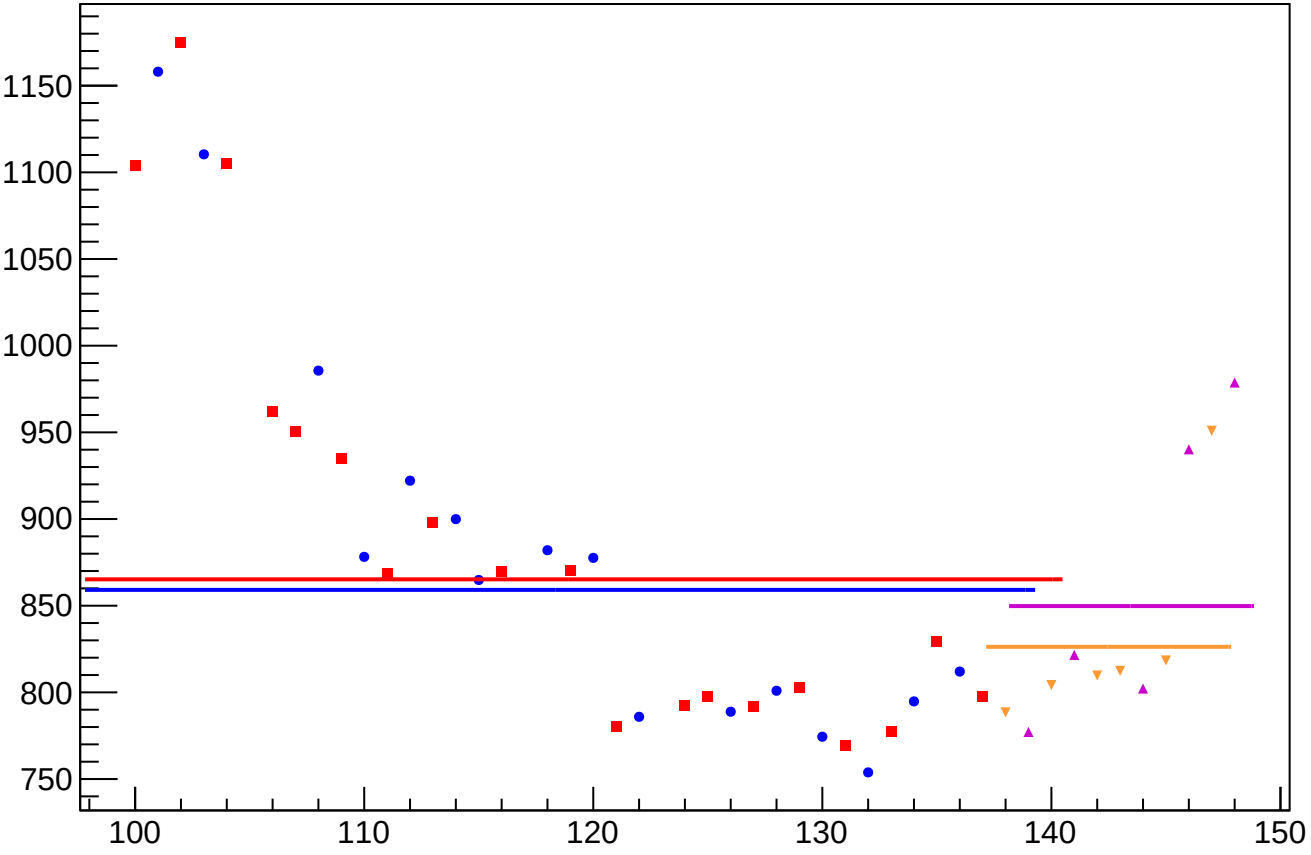
Left In: -56.298+/-0.408 χ^2/NDF:293.3/4

+ sign -24.467+/-0.248 χ^2/NDF: 9221.9/21

All: -26.488+/-0.176 χ^2/NDF: 25546.4/45

- sign -28.554+/-0.251 χ^2/NDF: 16190.2/23

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

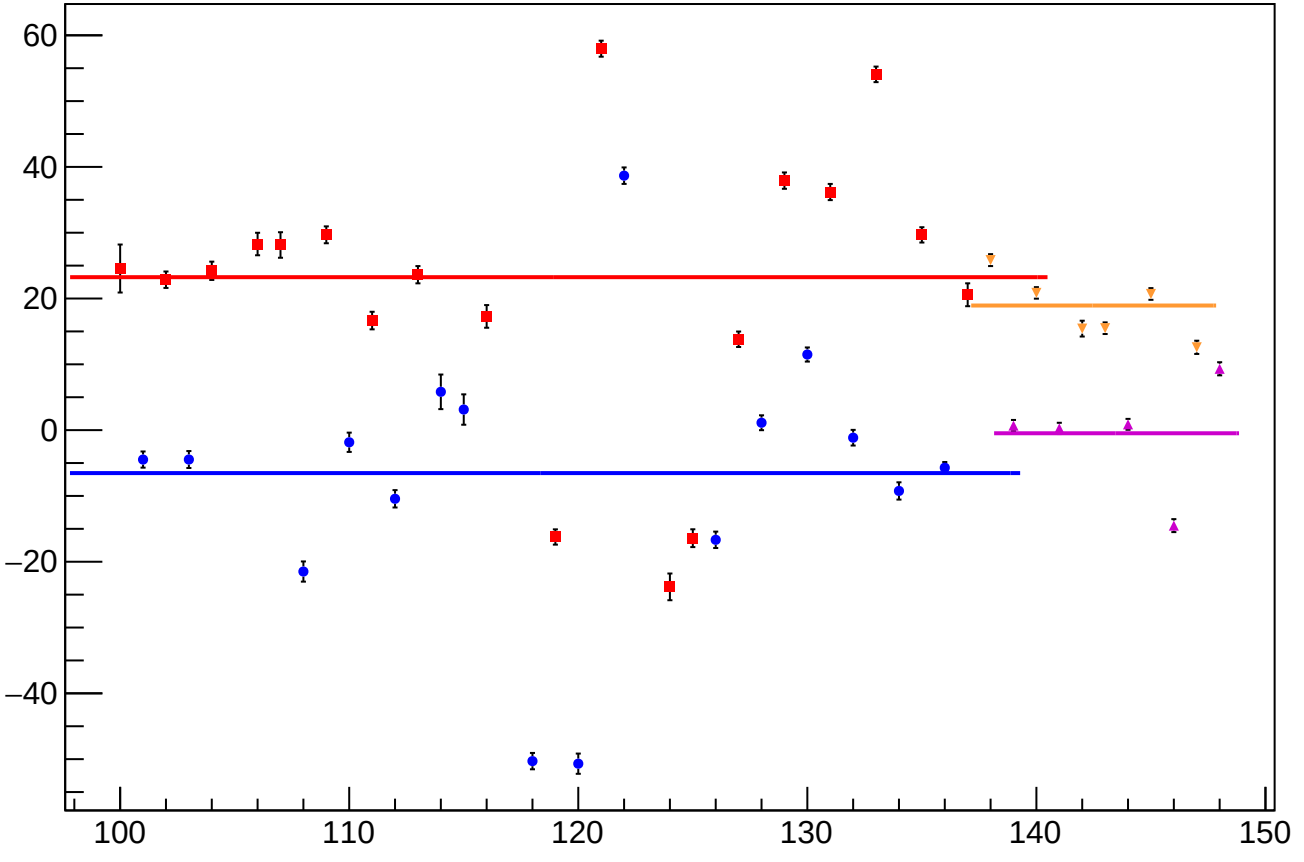
Left In: 849.777+/-0.288 χ^2/NDF:69066.1/4

+ sign 845.803+/-0.175 χ^2/NDF: 271444.3/21

All: 852.518+/-0.125 χ^2/NDF: 568924.7/45

- sign 859.381+/-0.177 χ^2/NDF: 294516.6/23

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

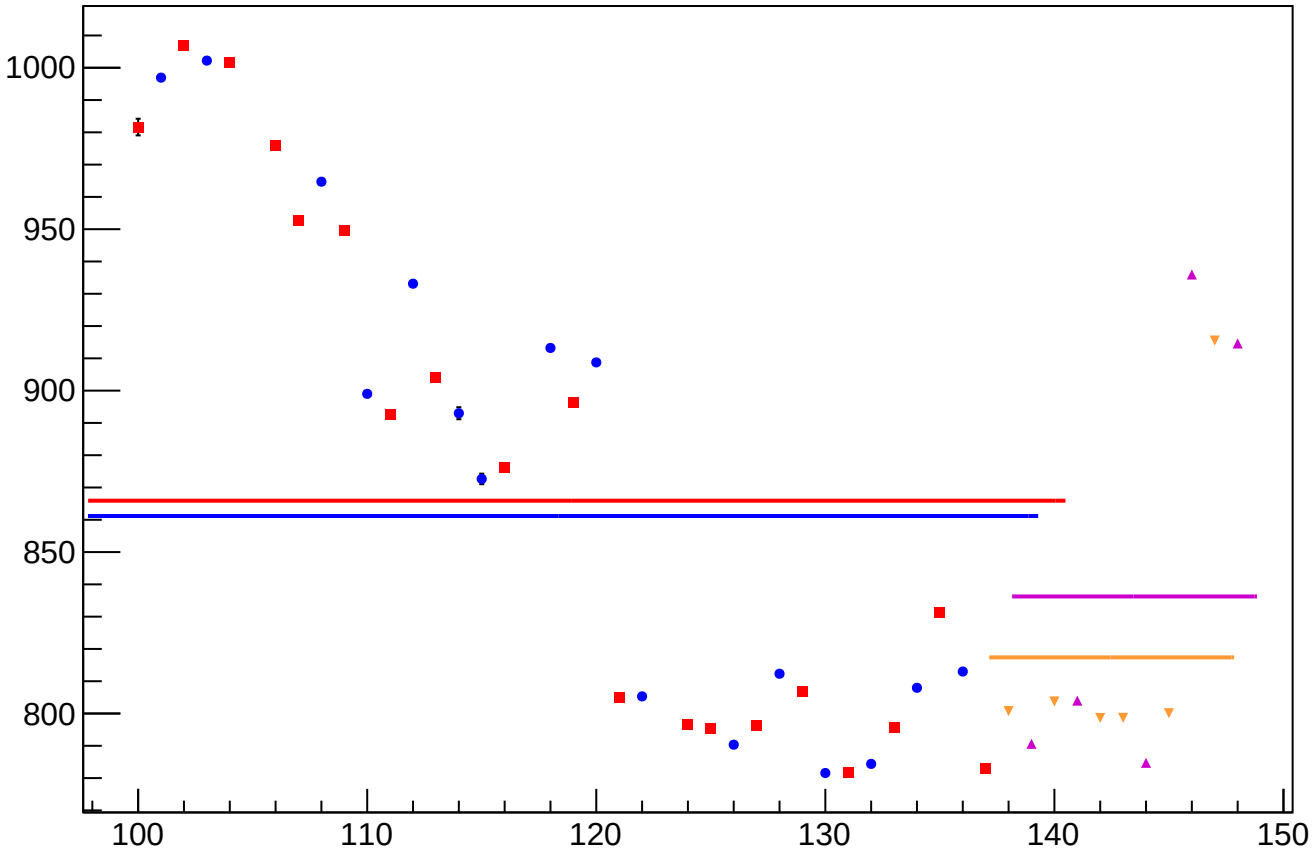
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.476+/-0.401 χ^2/NDF:304.2/4

+ sign 3.918+/-0.247 χ^2/NDF: 6654.8/21

All: 8.977+/-0.175 χ^2/NDF: 14430.7/45

- sign 14.121+/-0.249 χ^2/NDF: 6927.4/23



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

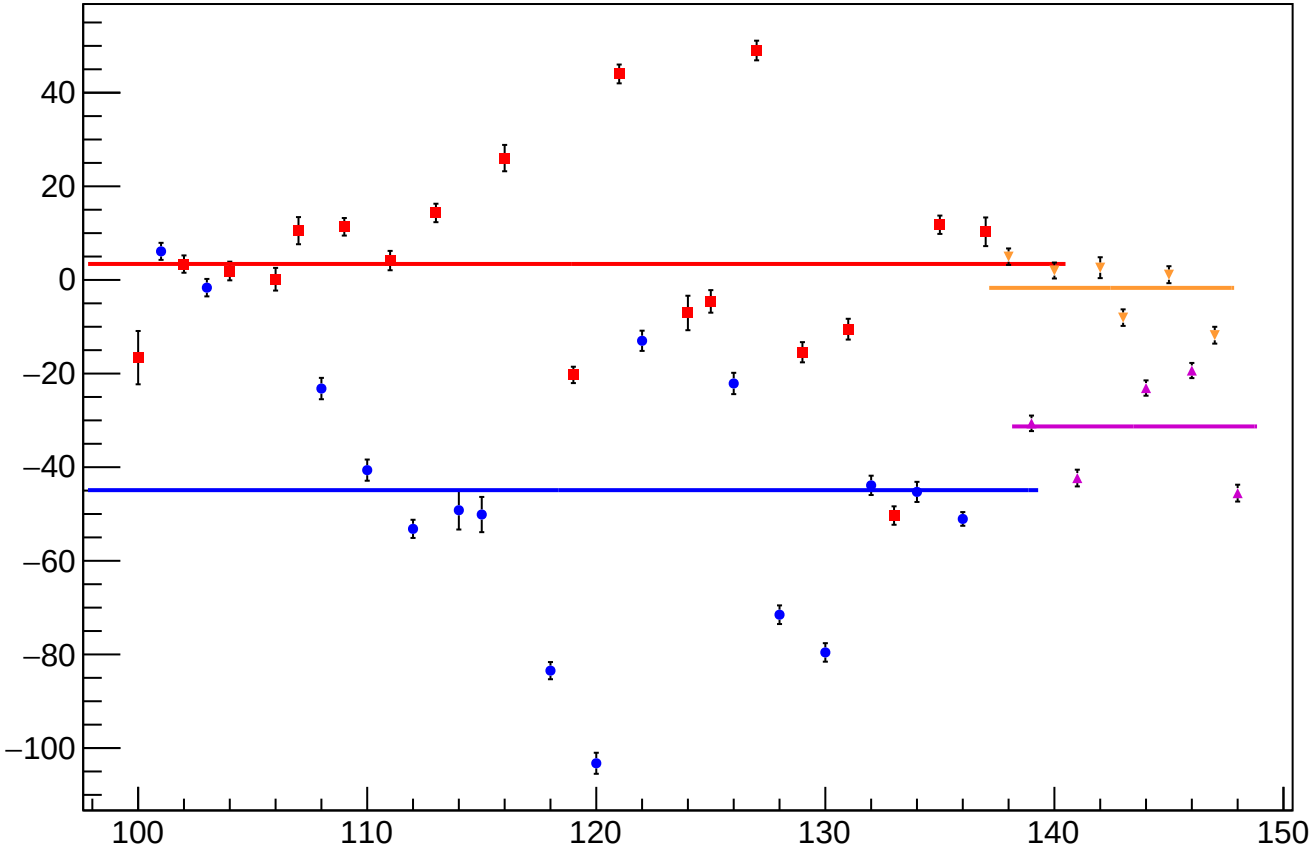
Left In: 836.255+/-0.284 χ^2/NDF:49035.4/4

+ sign 843.208+/-0.174 χ^2/NDF: 151082.1/21

All: 848.809+/-0.124 χ^2/NDF: 327344.4/45

- sign 854.503+/-0.176 χ^2/NDF: 174182.8/23

diff_bpm0i02X_mean vs Slug



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

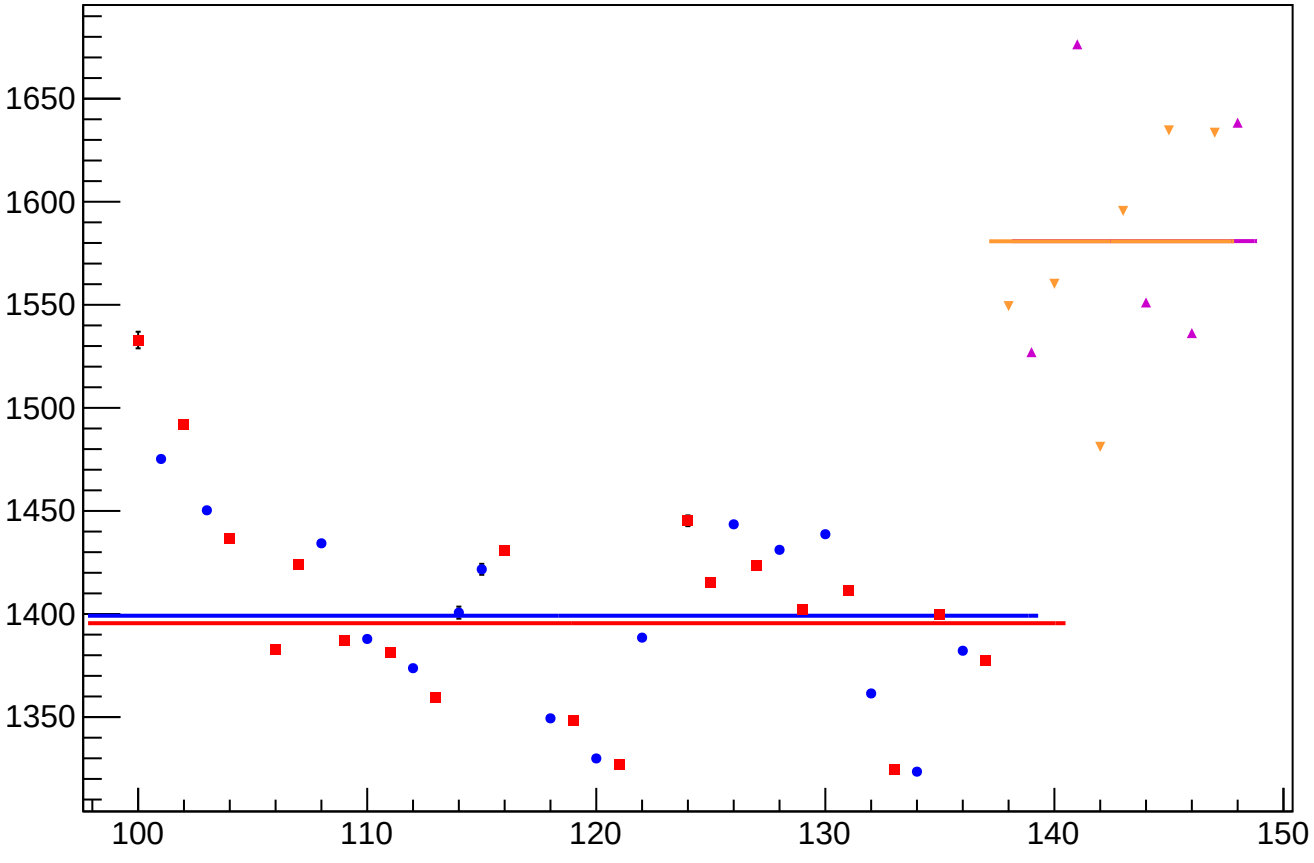
Left In: -31.293+/-0.758 χ^2/NDF:180.3/4

\+ sign -30.736+/-0.426 χ^2/NDF: 5712.7/21

All: -18.956+/-0.300 χ^2/NDF: 10954.3/45

\- sign -7.368+/-0.423 χ^2/NDF: 3726.3/23

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

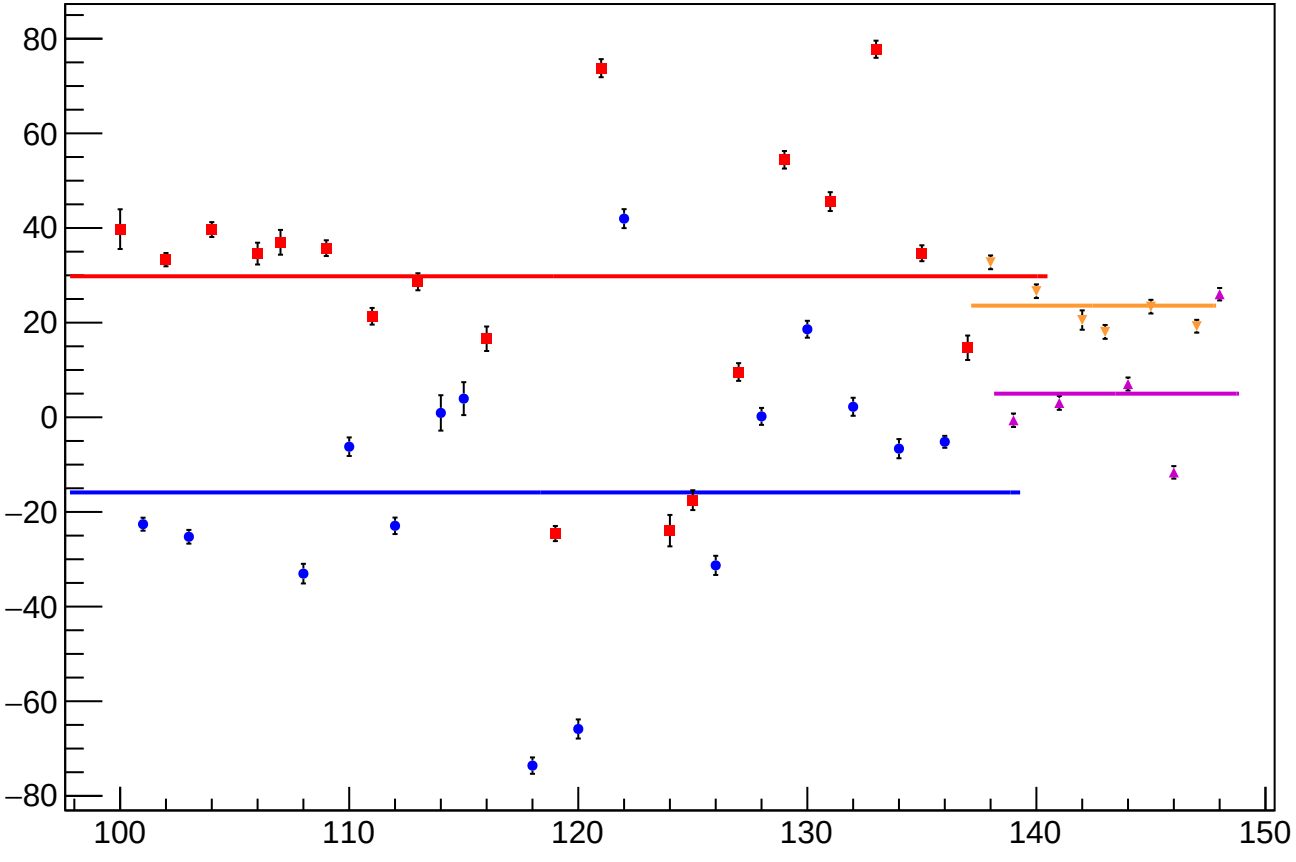
Left In: 1580.908+/-0.536 χ^2/NDF:12028.7/4

+ sign 1458.734+/-0.301 χ^2/NDF: 103445.2/21

All: 1455.913+/-0.212 χ^2/NDF: 214247.2/45

- sign 1453.137+/-0.299 χ^2/NDF: 110628.1/23

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

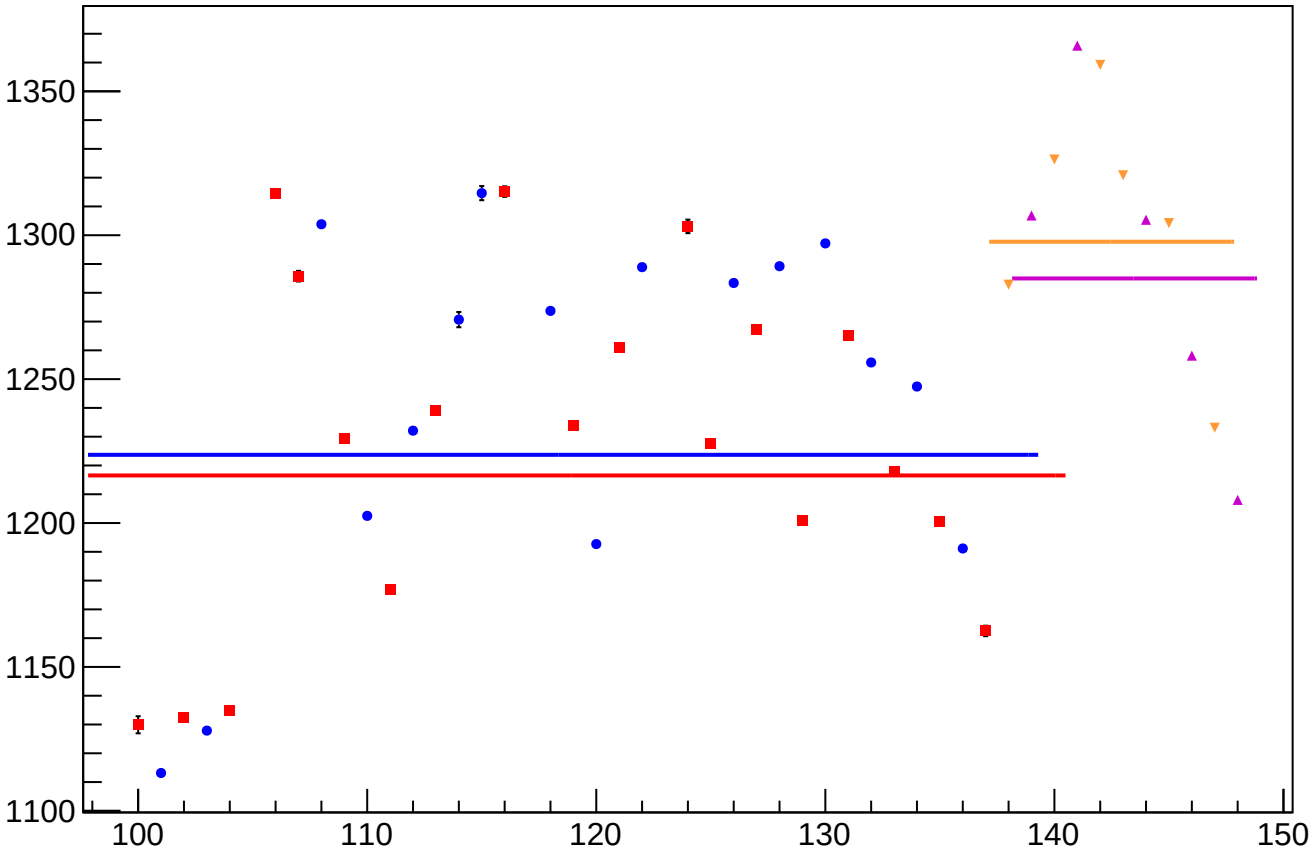
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 4.996+/-0.616 χ^2/NDF:431.7/4

+ sign -1.790+/-0.365 χ^2/NDF: 6232.0/21

All: 9.909+/-0.256 χ^2/NDF: 13439.4/45

- sign 21.306+/-0.360 χ^2/NDF: 5180.1/23



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

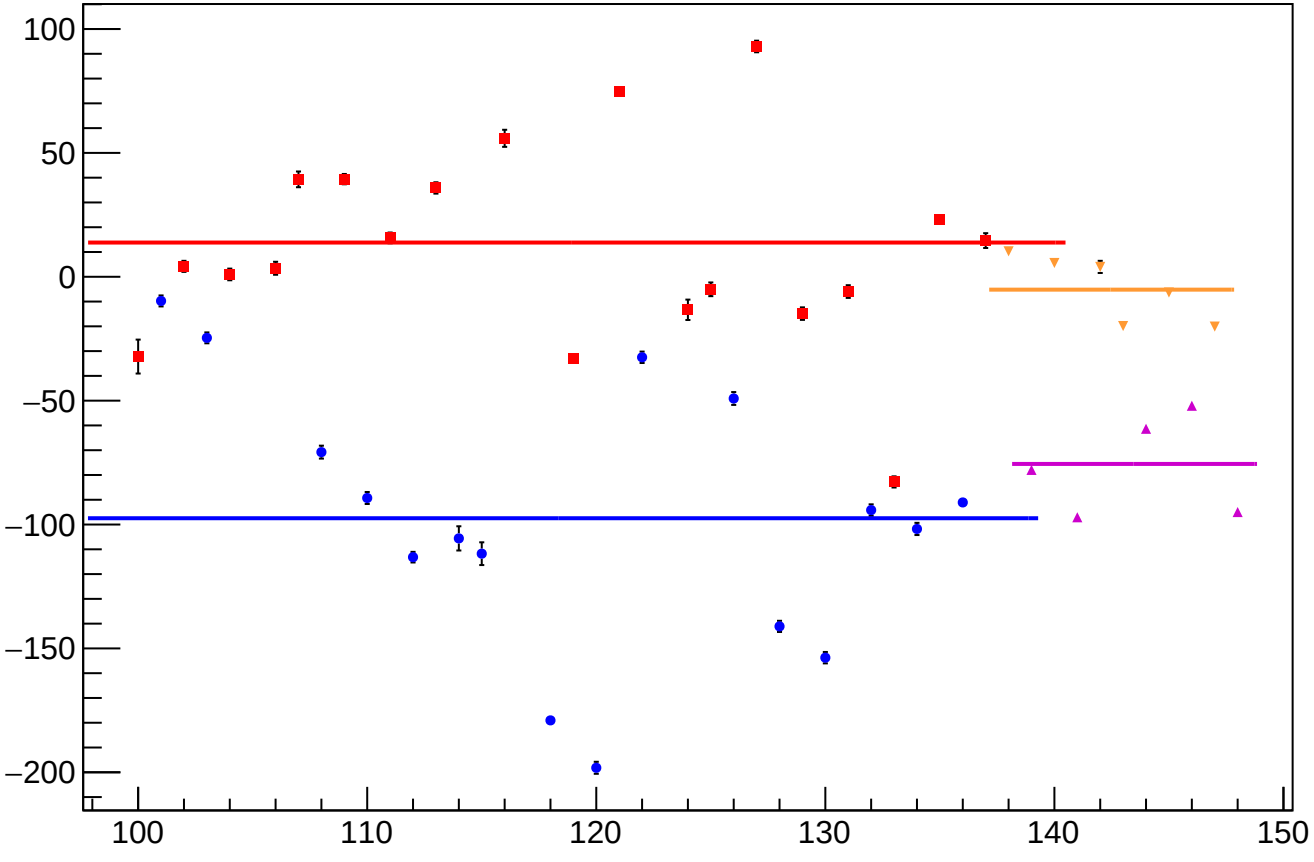
Left In: 1284.981+/-0.435 χ^2/NDF:14705.7/4

+ sign 1250.127+/-0.258 χ^2/NDF: 67638.4/21

All: 1244.984+/-0.181 χ^2/NDF: 128760.6/45

- sign 1239.974+/-0.255 χ^2/NDF: 60338.6/23

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

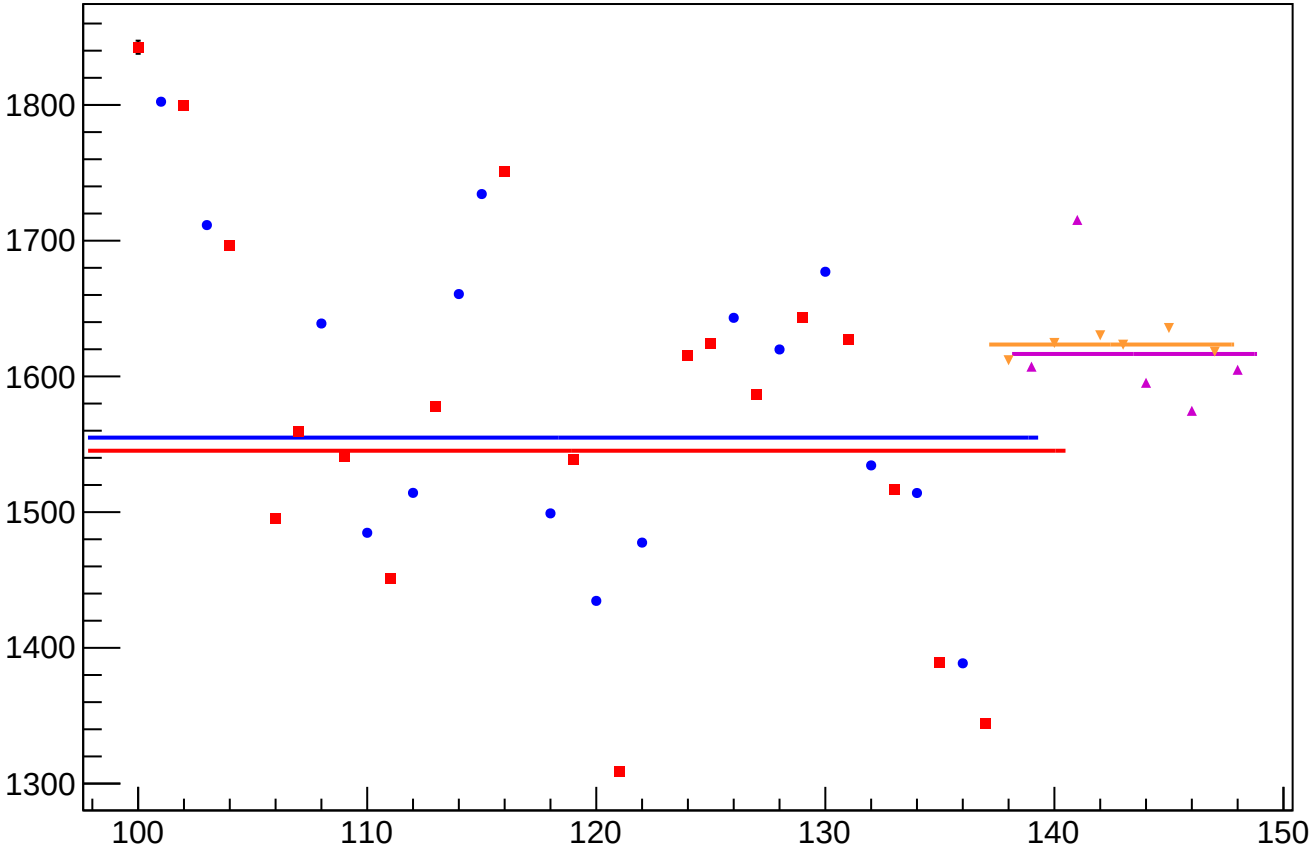
Left In: -75.541+/-0.774 χ^2/NDF:534.1/4

+ sign -63.766+/-0.462 χ^2/NDF: 17818.3/21

All: -40.271+/-0.325 χ^2/NDF: 37510.9/45

- sign -17.268+/-0.457 χ^2/NDF: 14567.0/23

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

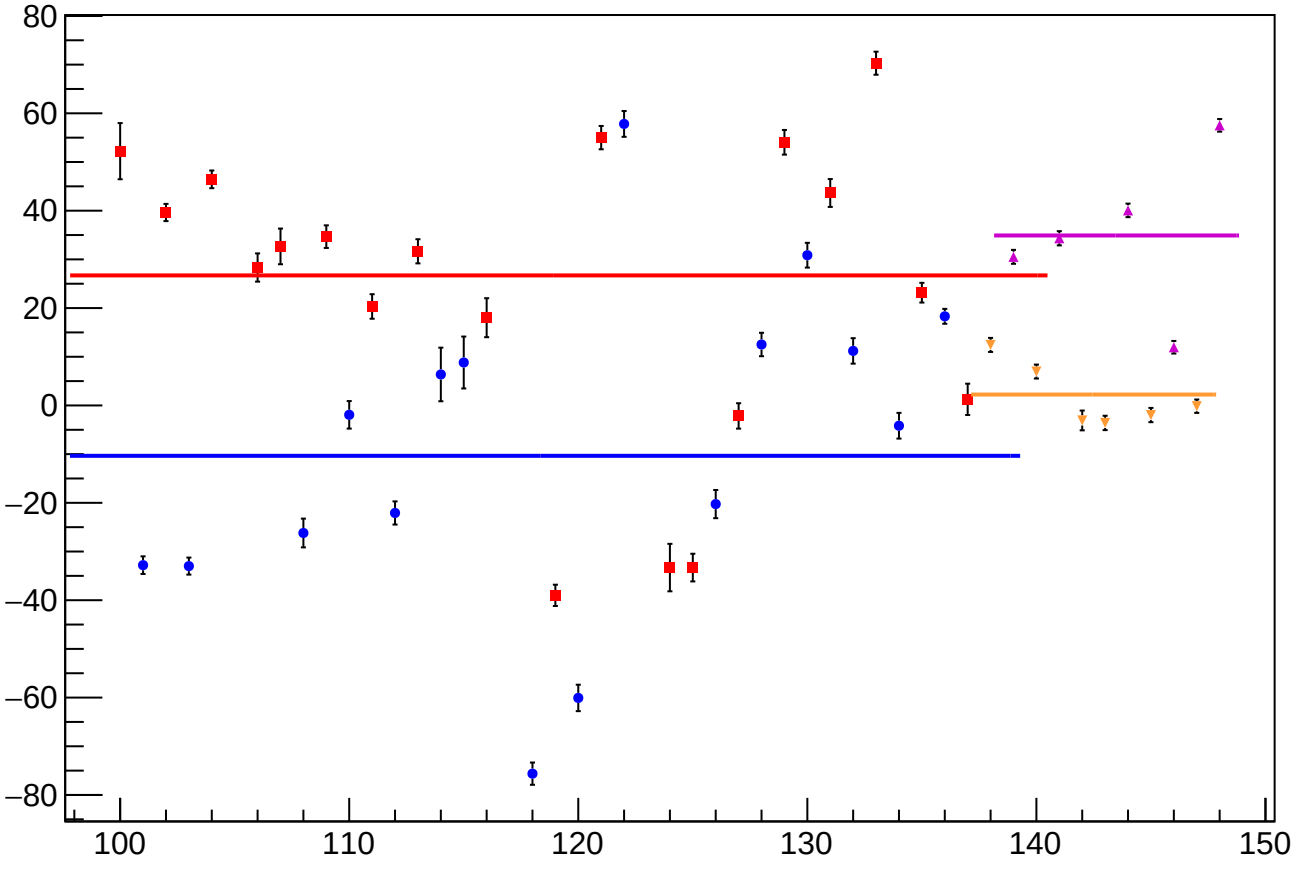
Left In: 1616.535+/-0.548 χ^2/NDF:7567.3/4

+ sign 1579.951+/-0.326 χ^2/NDF: 98355.1/21

All: 1574.943+/-0.230 χ^2/NDF: 226229.7/45

- sign 1570.041+/-0.323 χ^2/NDF: 127409.0/23

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

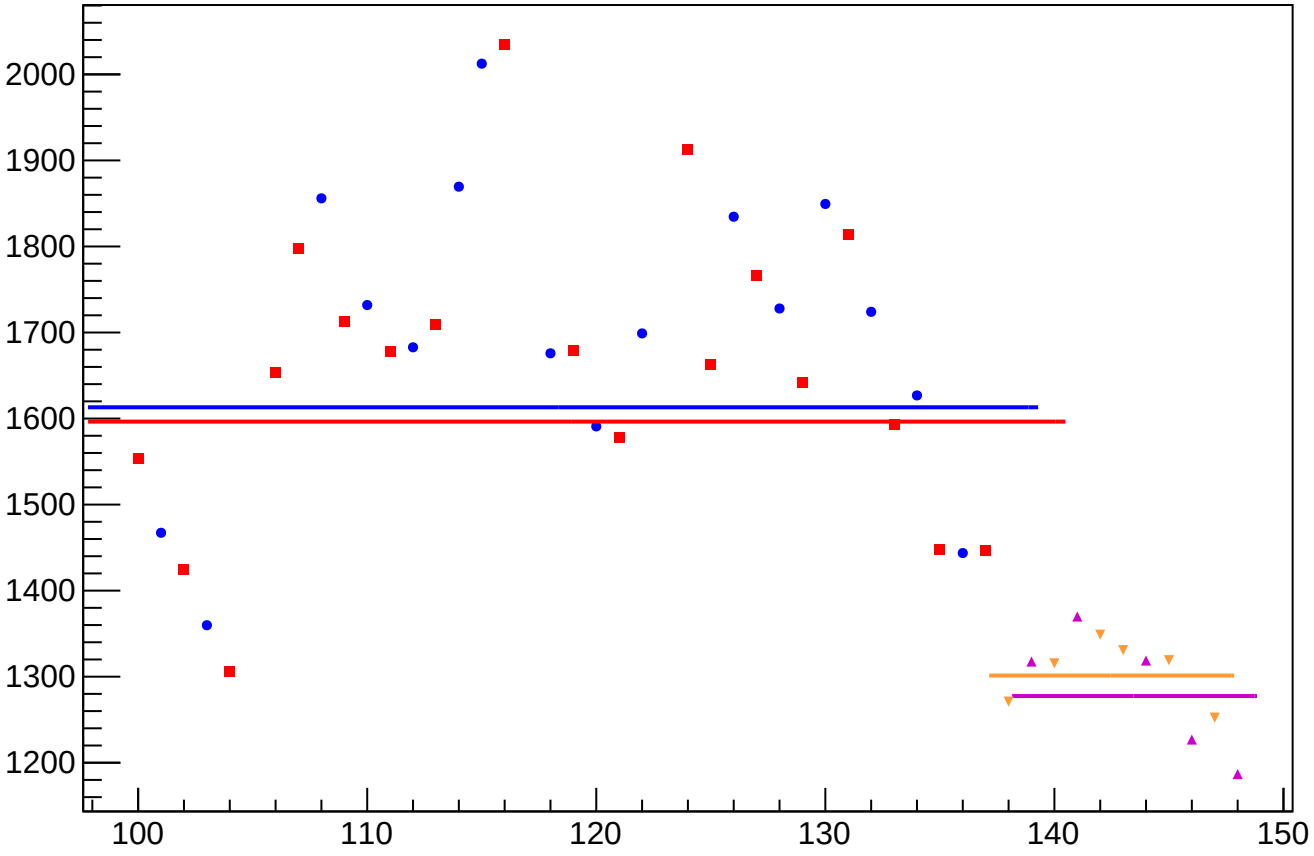
Left In: 34.911+/-0.613 χ^2/NDF:642.2/4

\+ sign -4.154+/-0.430 χ^2/NDF: 3315.6/21

All: 13.492+/-0.302 χ^2/NDF: 9913.2/45

\- sign 30.629+/-0.424 χ^2/NDF: 3276.4/23

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

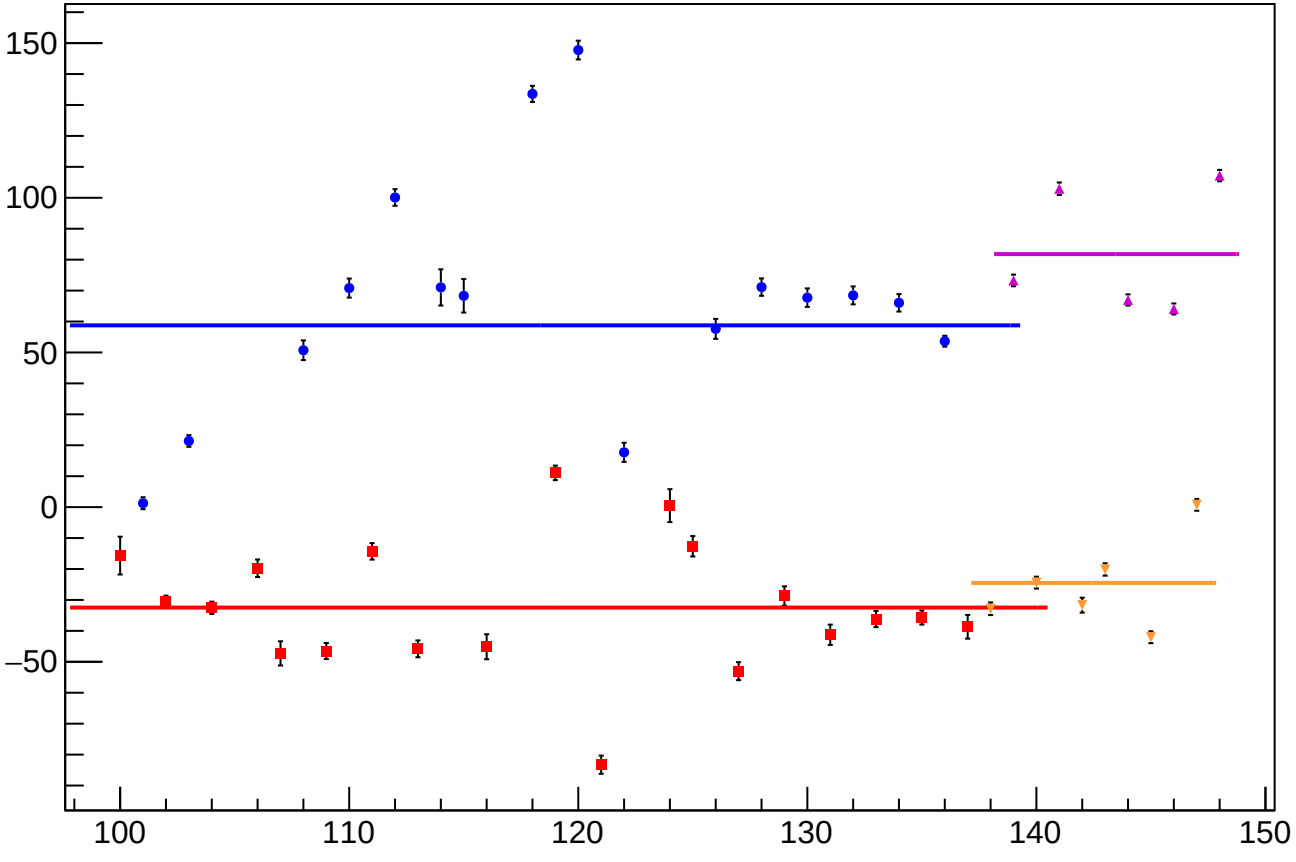
Left In: 1277.500+/-0.433 χ^2/NDF:24145.9/4

+ sign 1459.701+/-0.304 χ^2/NDF: 423457.7/21

All: 1451.733+/-0.213 χ^2/NDF: 892506.6/45

- sign 1443.996+/-0.300 χ^2/NDF: 467694.9/23

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

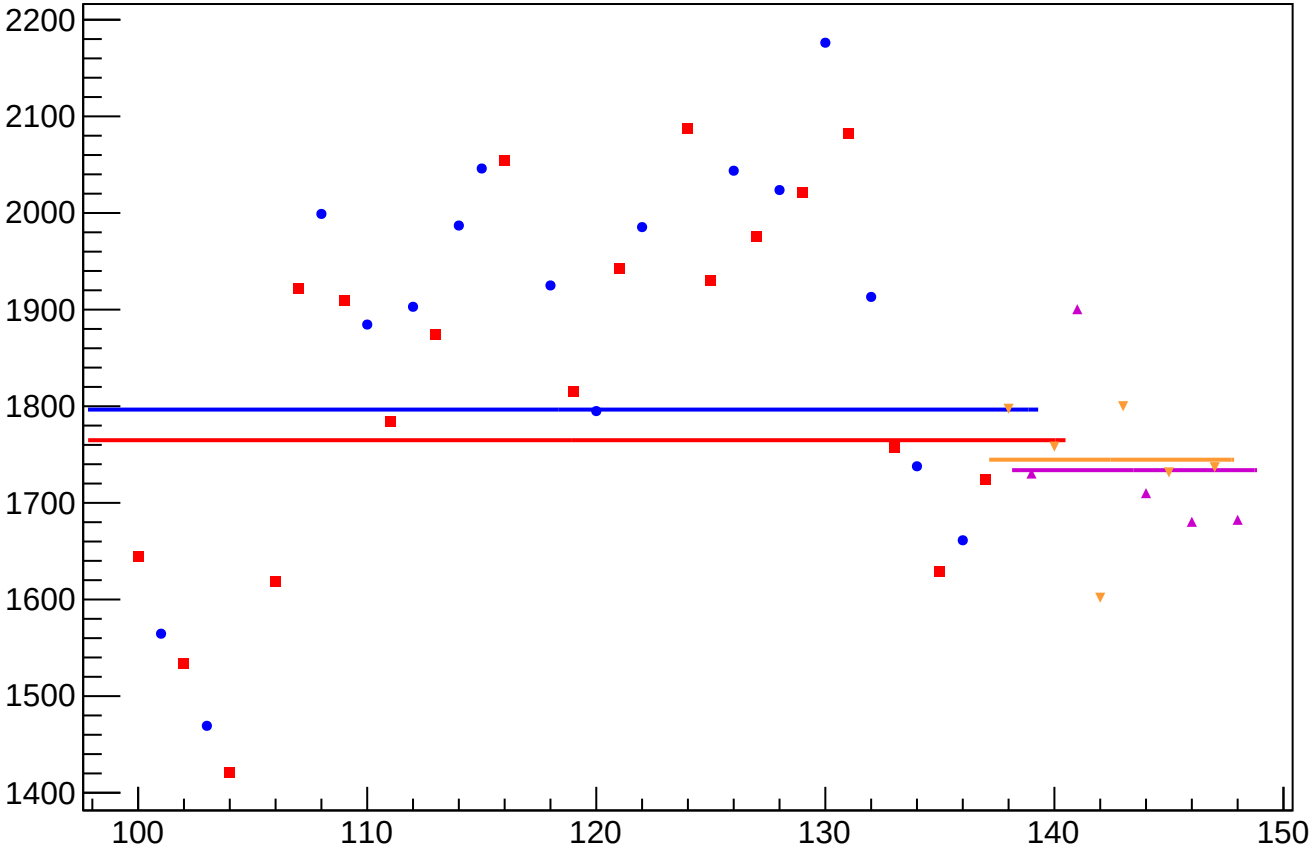
Left In: 81.796+/-0.832 χ^2/NDF:486.5/4

+ sign 25.411+/-0.521 χ^2/NDF: 9871.6/21

All: 17.932+/-0.365 χ^2/NDF: 23429.0/45

- sign 10.716+/-0.511 χ^2/NDF: 13152.0/23

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

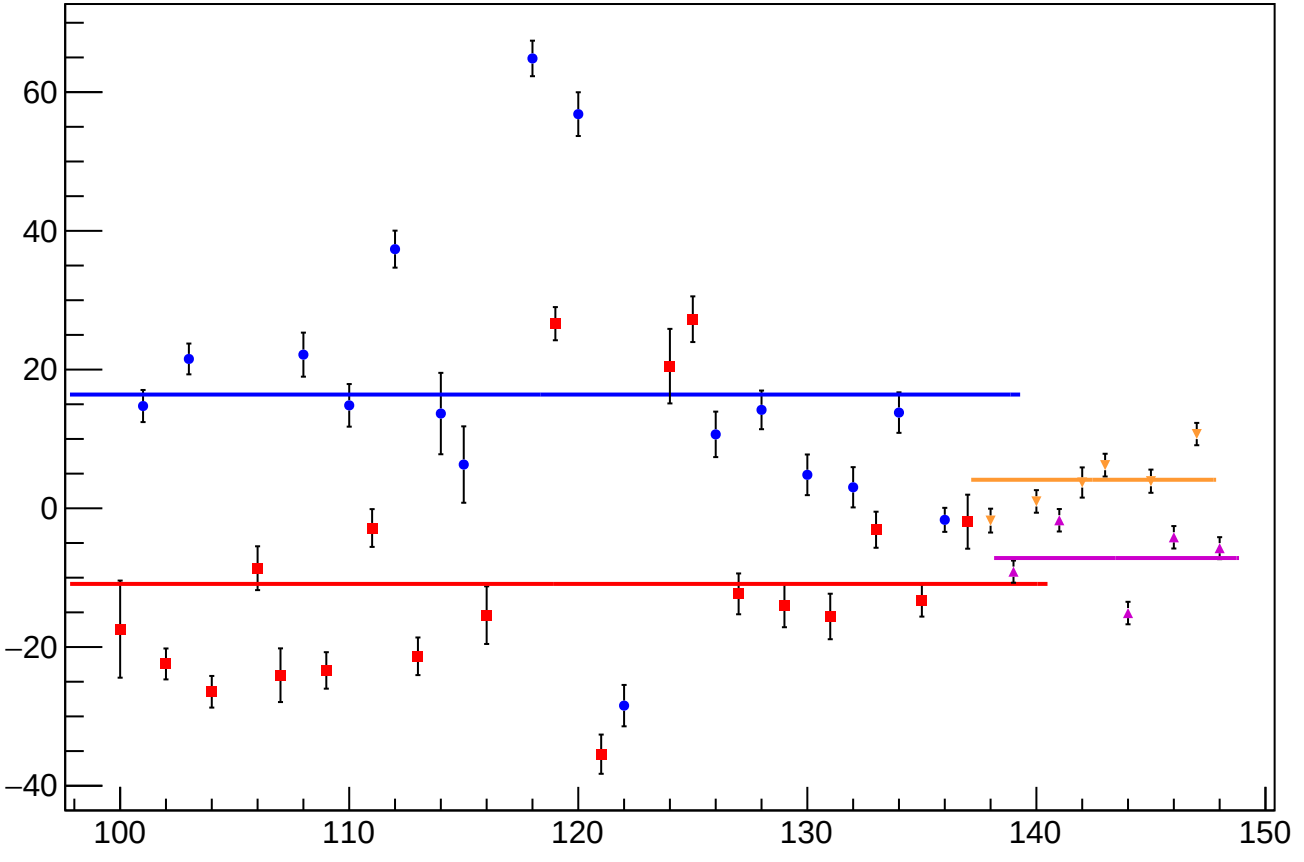
Left In: 1733.851+/-0.588 χ^2/NDF:17198.5/4

+ sign 1775.784+/-0.368 χ^2/NDF: 208033.9/21

All: 1764.261+/-0.258 χ^2/NDF: 418873.9/45

- sign 1753.141+/-0.362 χ^2/NDF: 208914.9/23

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

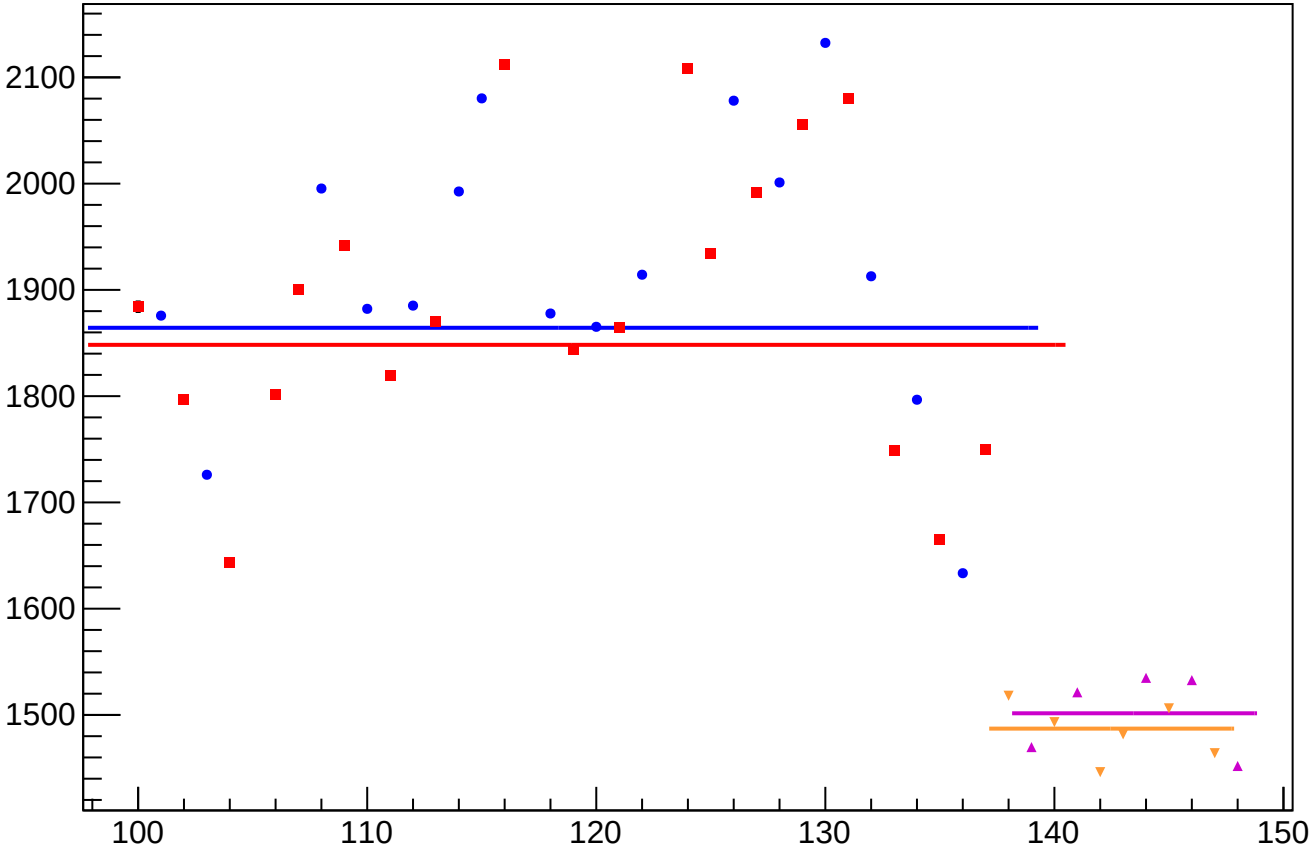
Left In: -7.169+/-0.719 χ^2/NDF:41.0/4

\+ sign 10.301+/-0.493 χ^2/NDF: 1161.9/21

All: 0.565+/-0.349 χ^2/NDF: 2637.5/45

\- sign -9.148+/-0.493 χ^2/NDF: 697.0/23

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

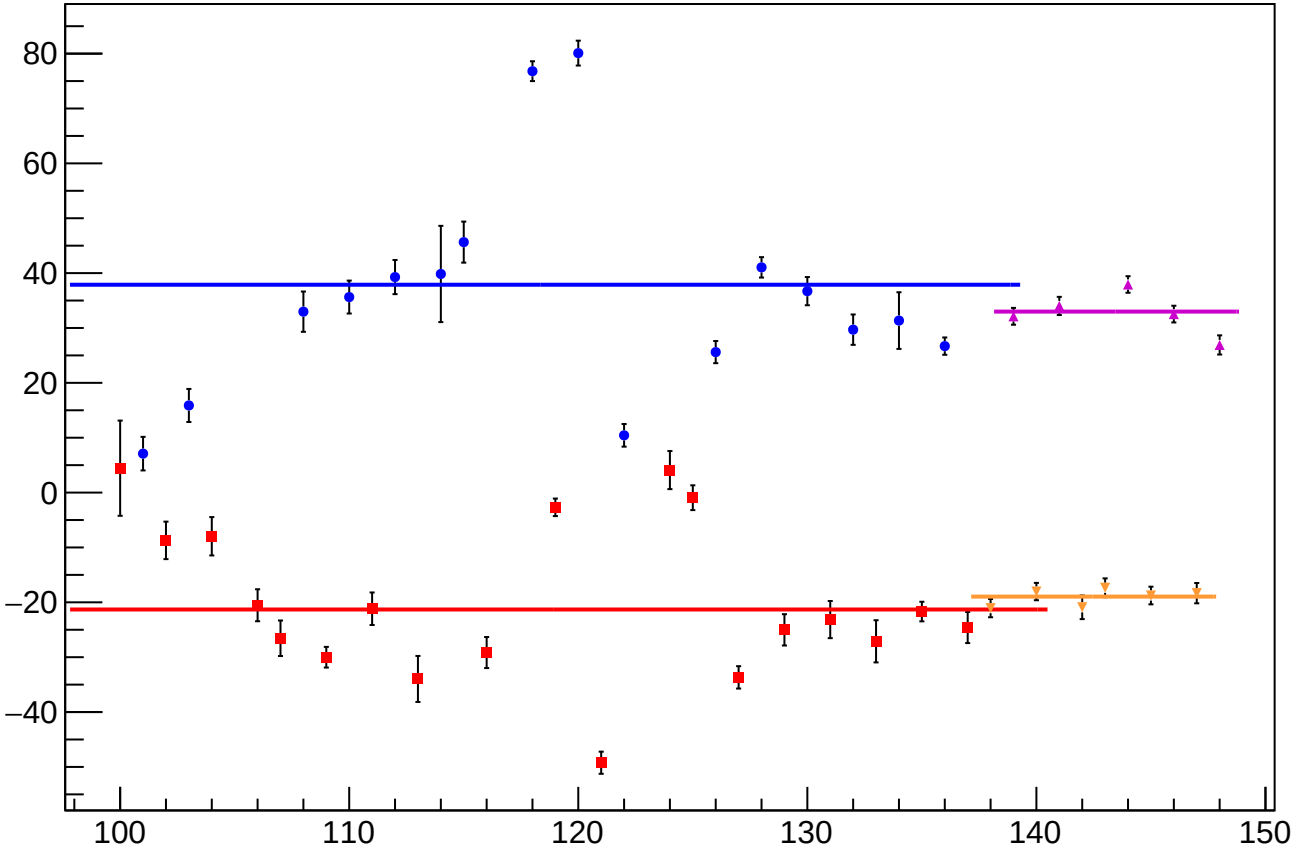
Left In: 1501.553+/-0.508 χ^2/NDF:4642.2/4

+ sign 1677.068+/-0.349 χ^2/NDF: 377893.9/21

All: 1681.301+/-0.246 χ^2/NDF: 704586.5/45

- sign 1685.525+/-0.348 χ^2/NDF: 326398.1/23

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

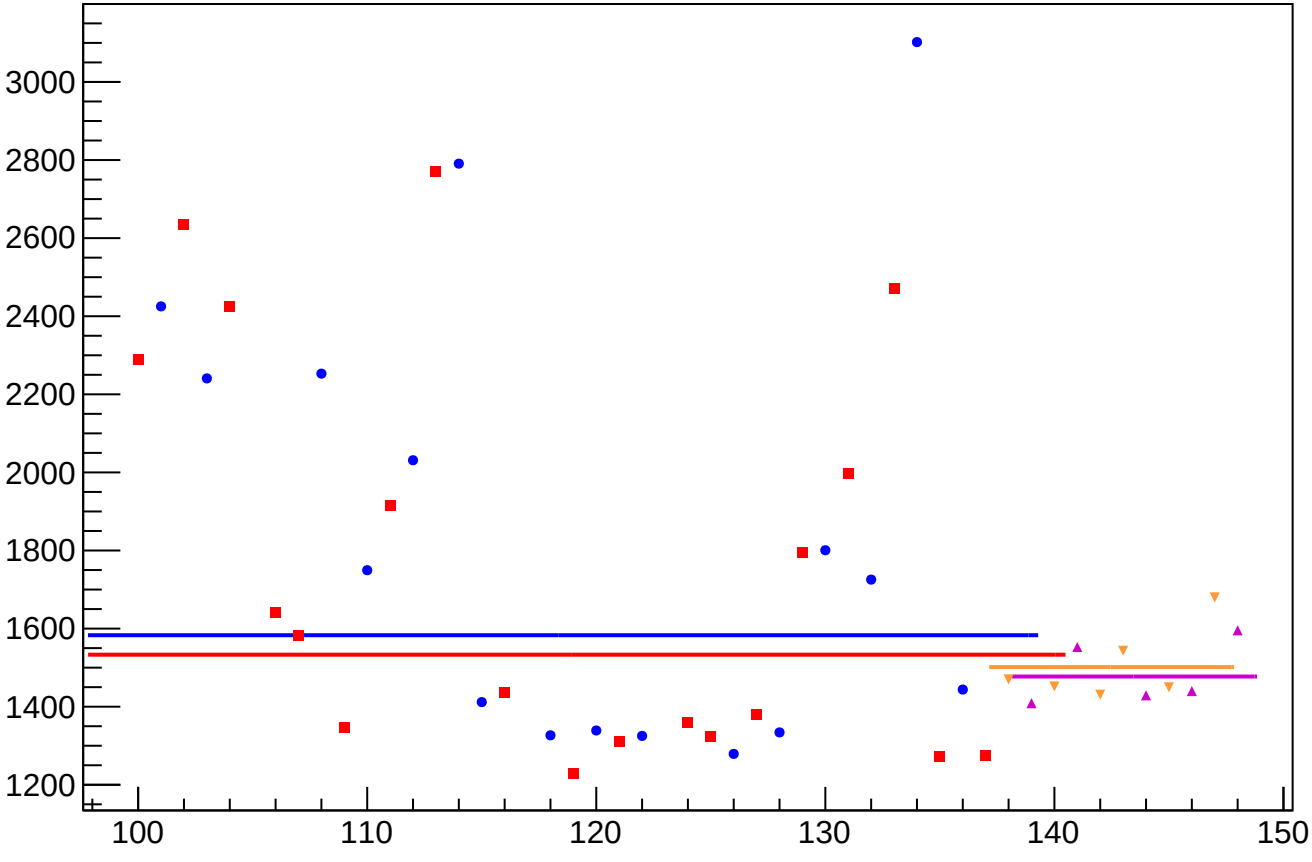
Left In: 32.985+/-0.709 χ^2/NDF:23.6/4

+ sign 13.115+/-0.468 χ^2/NDF: 4887.7/21

All: 6.909+/-0.326 χ^2/NDF: 9286.8/45

- sign 1.035+/-0.455 χ^2/NDF: 4056.2/23

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

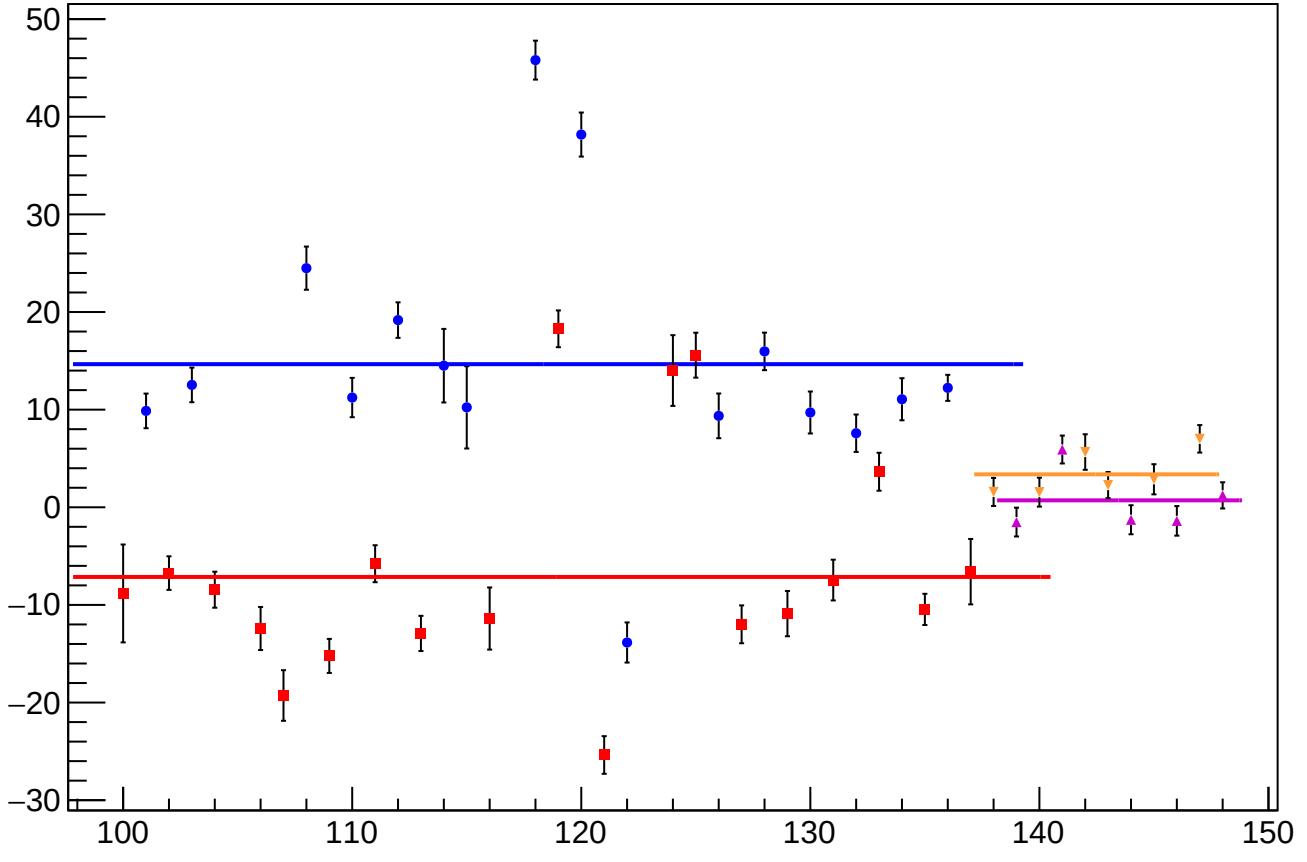
Left In: 1477.271+/-0.501 χ^2/NDF:20530.7/4

+ sign 1547.489+/-0.331 χ^2/NDF: 829319.6/21

All: 1528.323+/-0.231 χ^2/NDF: 1814491.1/45

- sign 1510.179+/-0.322 χ^2/NDF: 978627.9/23

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

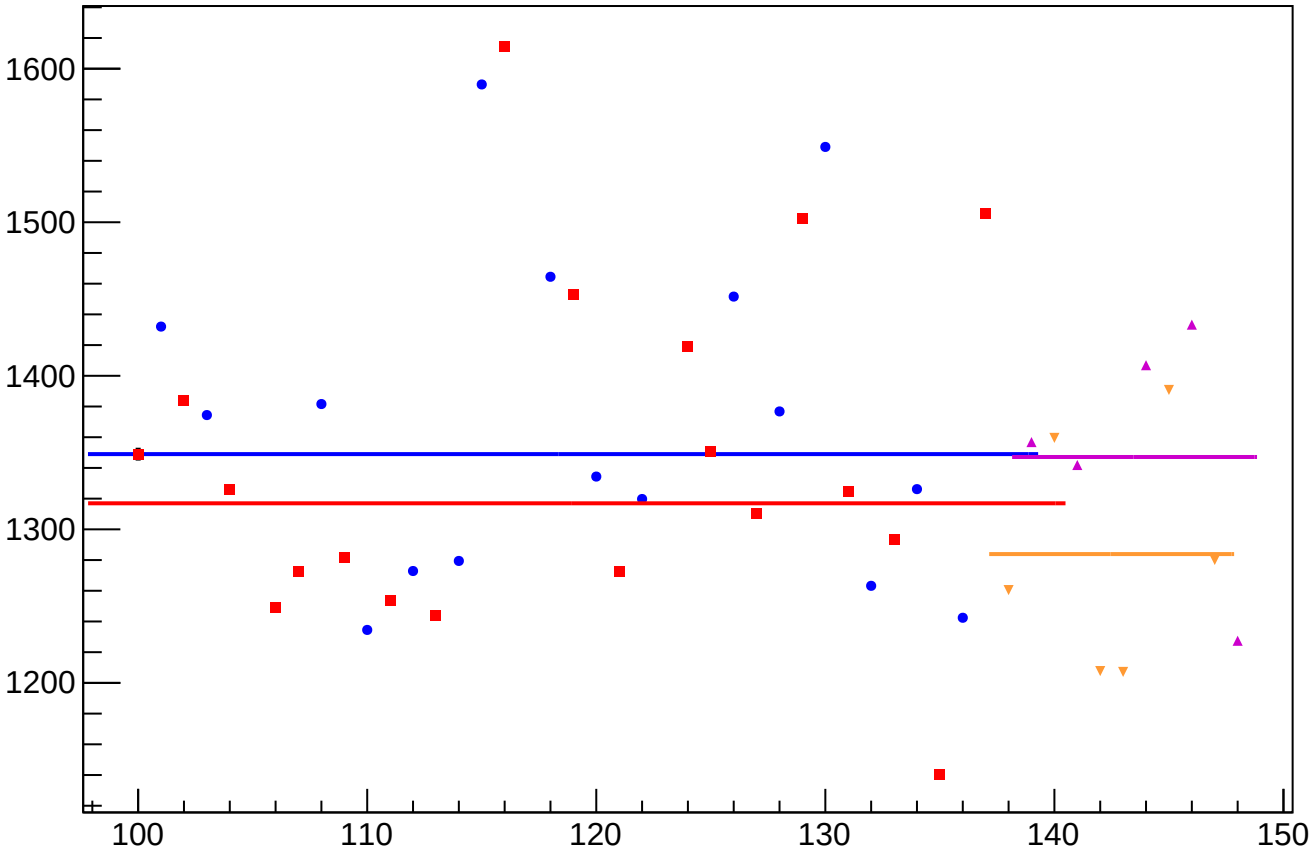
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 0.711+/-0.646 χ^2/NDF:19.4/4

+ sign 10.040+/-0.388 χ^2/NDF: 831.6/21

All: 2.845+/-0.274 χ^2/NDF: 2142.3/45

- sign -4.321+/-0.387 χ^2/NDF: 623.4/23



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

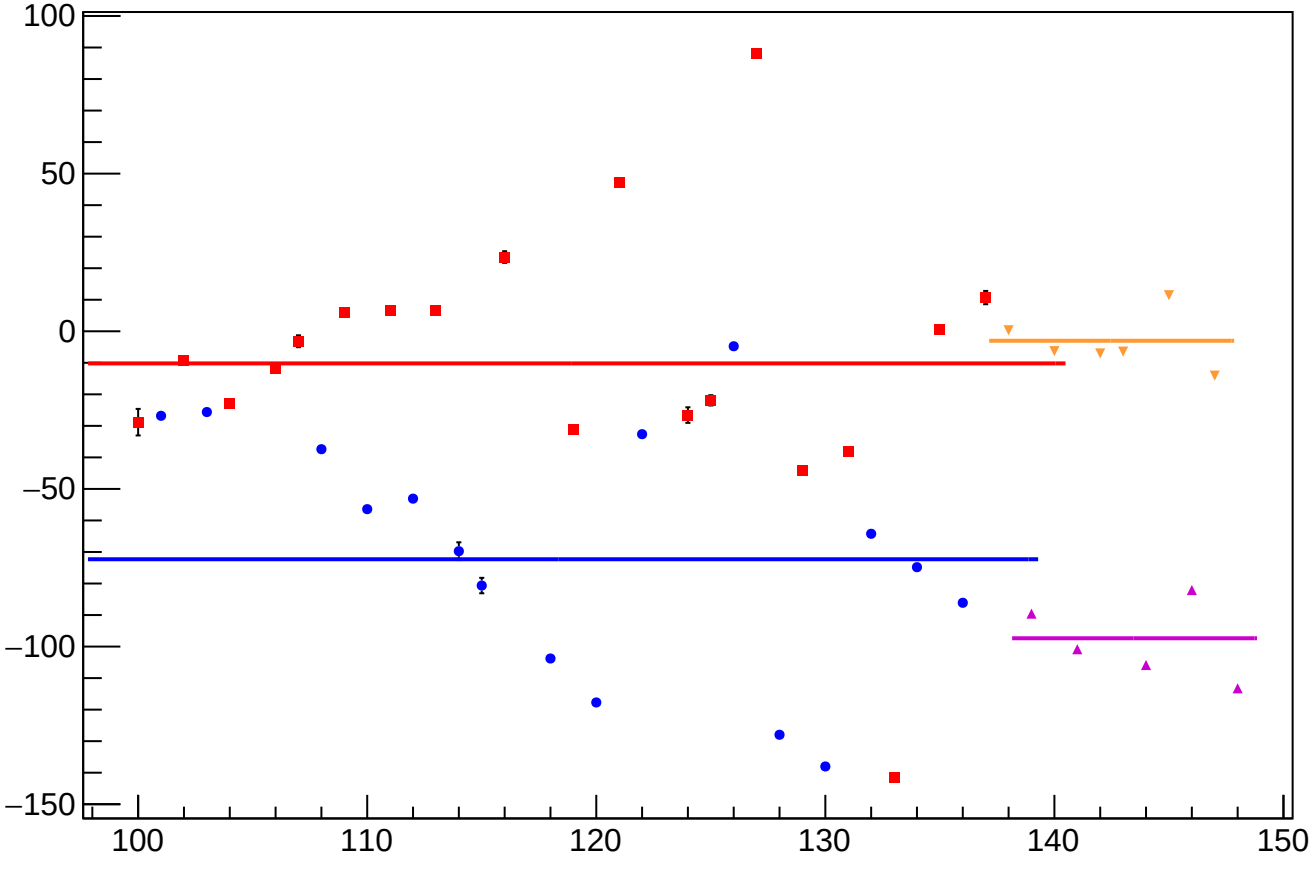
Left In: 1347.123+/-0.457 χ^2/NDF:25771.5/4

+ sign 1322.356+/-0.274 χ^2/NDF: 107436.1/21

All: 1325.072+/-0.194 χ^2/NDF: 223072.4/45

- sign 1327.778+/-0.274 χ^2/NDF: 115440.3/23

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

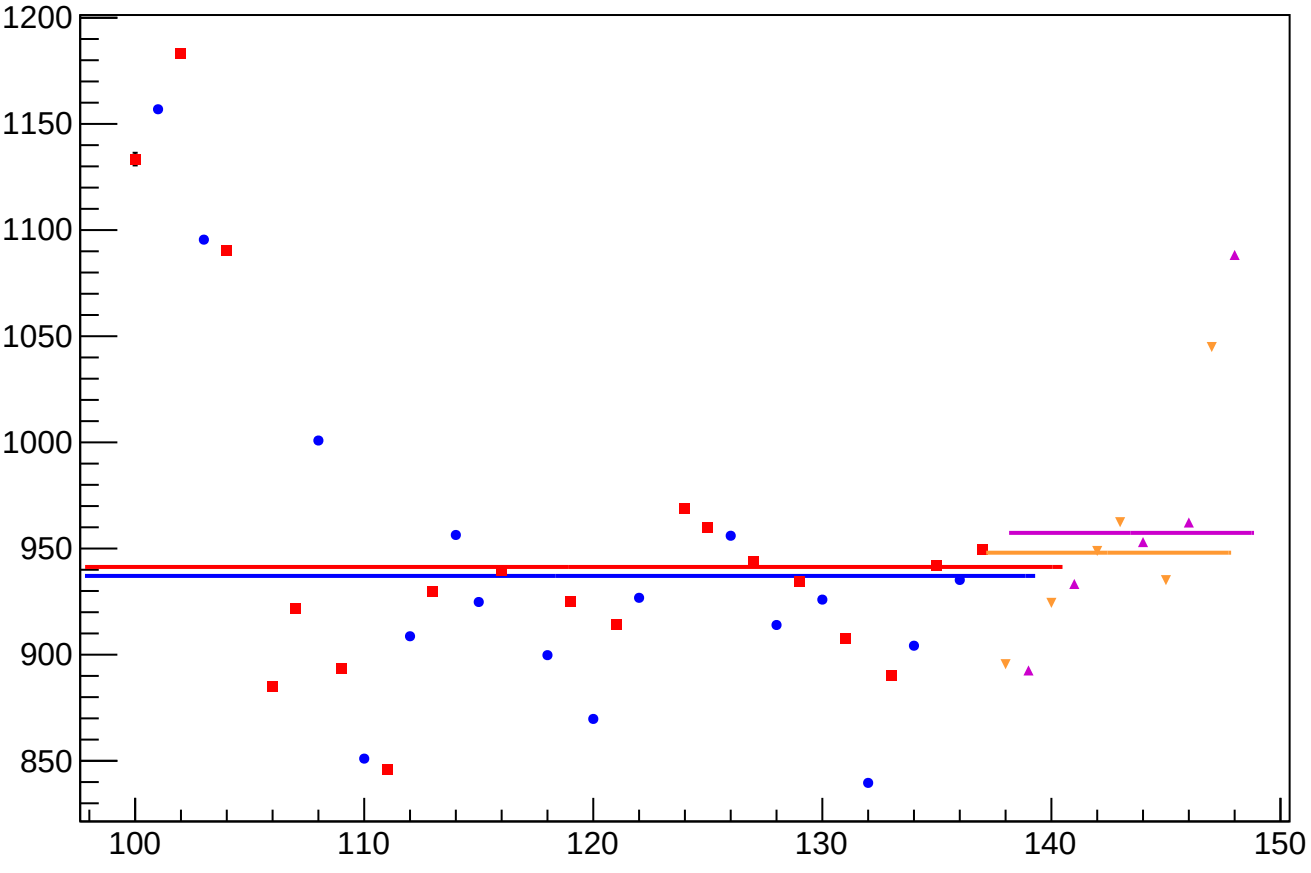
Left In: -97.366+/-0.459 χ^2/NDF:554.5/4

+ sign -45.984+/-0.275 χ^2/NDF: 27415.5/21

All: -43.805+/-0.195 χ^2/NDF: 70225.5/45

- sign -41.621+/-0.276 χ^2/NDF: 42684.5/23

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

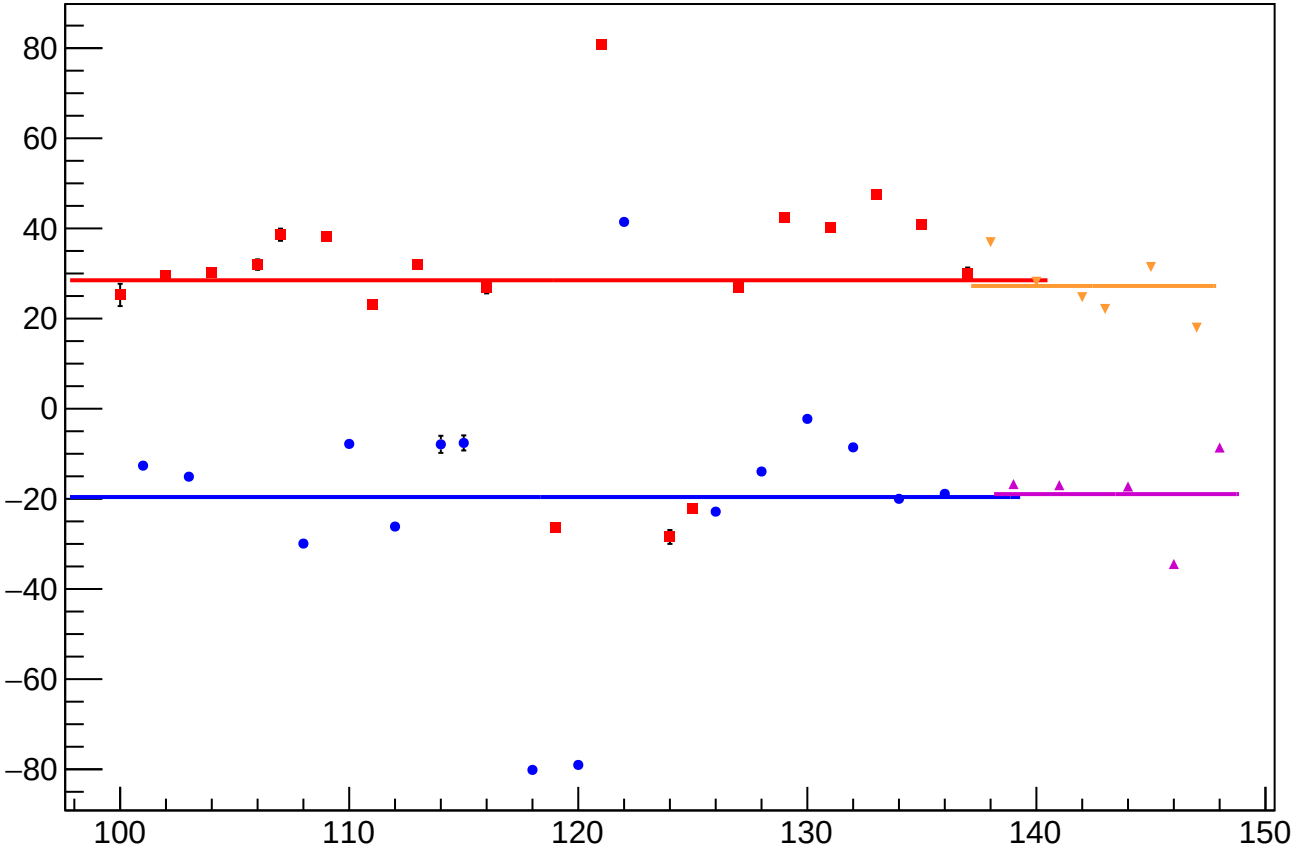
Left In: 957.372+/-0.324 χ^2/NDF:34477.7/4

+ sign 941.251+/-0.195 χ^2/NDF: 126753.3/21

All: 944.177+/-0.138 χ^2/NDF: 264279.6/45

- sign 947.110+/-0.195 χ^2/NDF: 137073.6/23

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

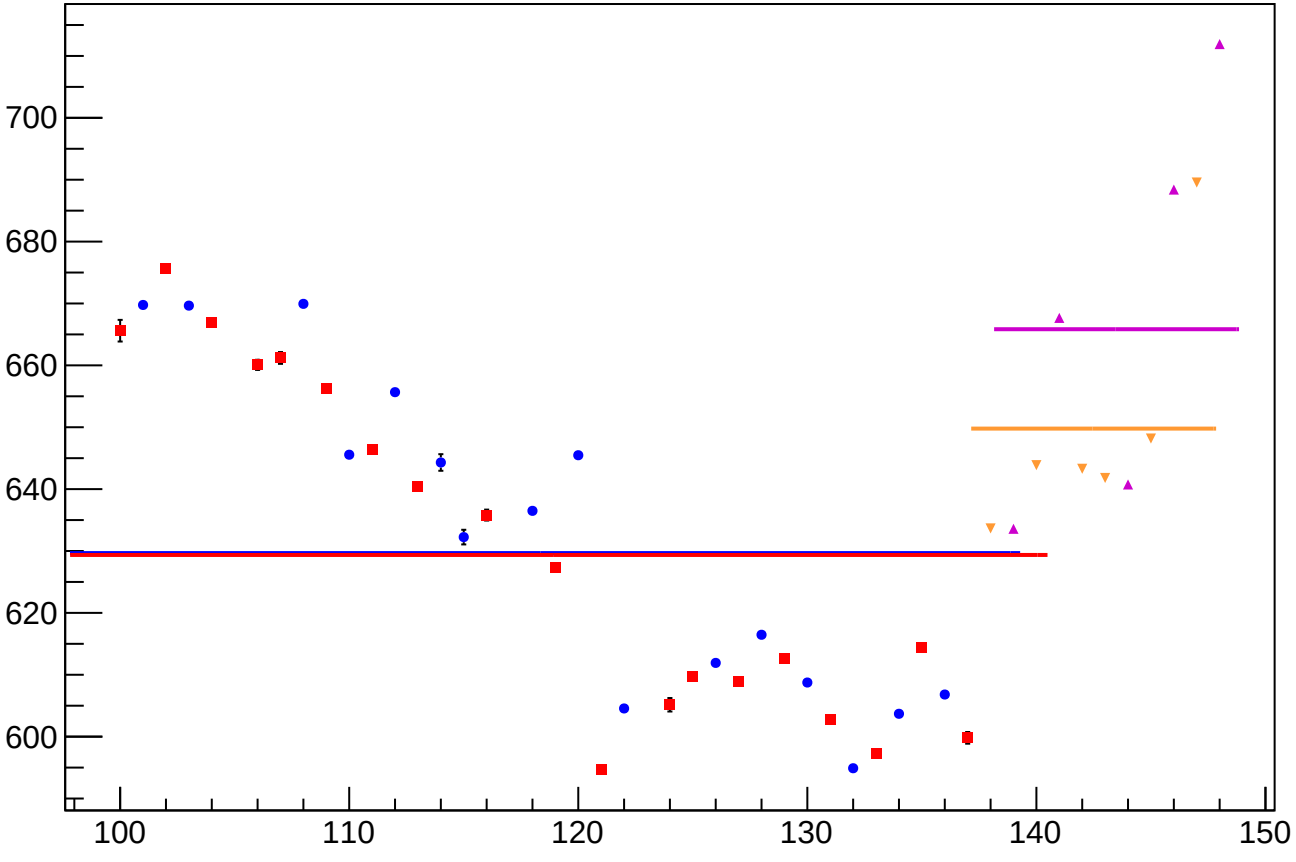
Left In: -18.947+/-0.319 χ^2/NDF:659.6/4

+ sign -2.293+/-0.186 χ^2/NDF: 28388.5/21

All: 4.972+/-0.132 χ^2/NDF: 59672.5/45

- sign 12.275+/-0.186 χ^2/NDF: 28219.4/23

diff_bpm1i02Y_rms vs Slug



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

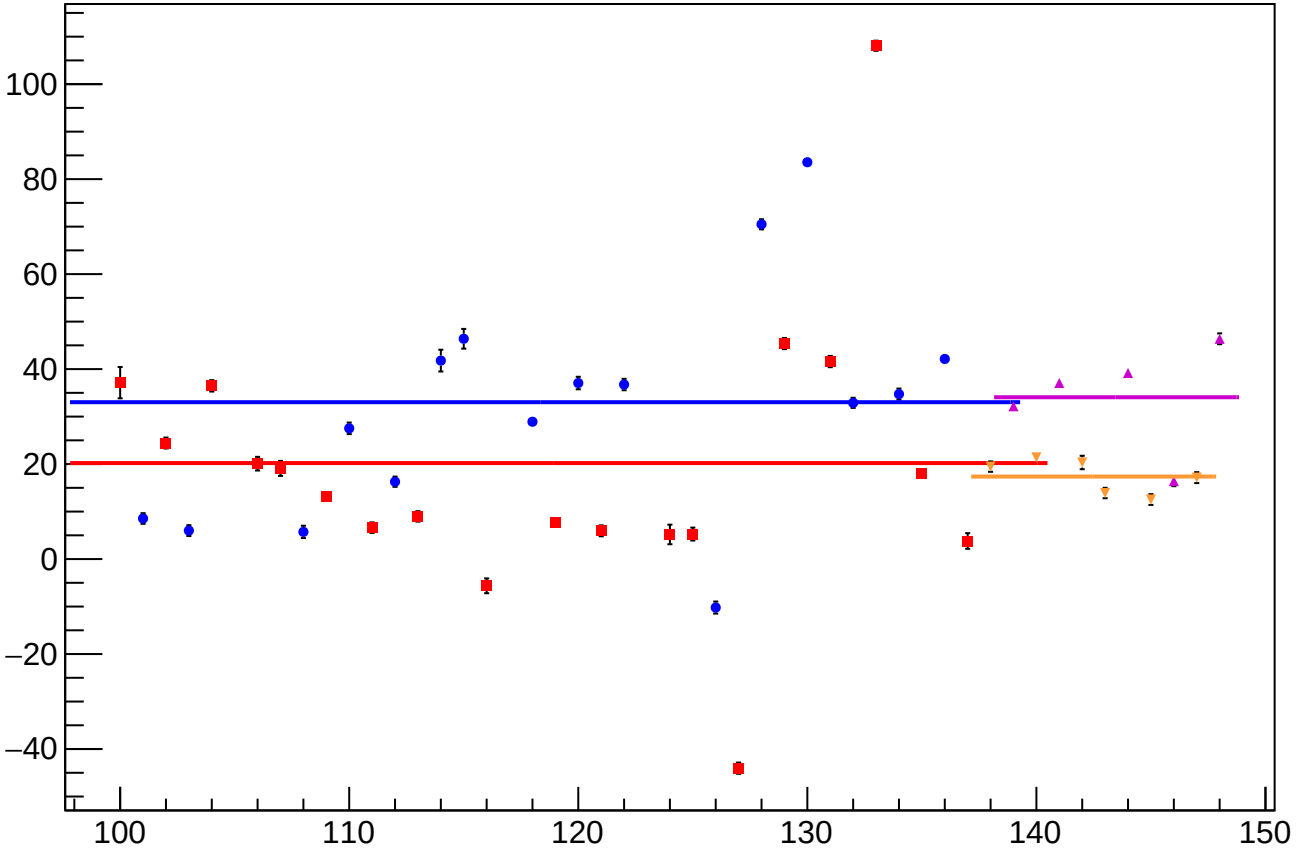
Left In: 665.840+/-0.225 χ^2/NDF:16143.1/4

+ sign 637.094+/-0.131 χ^2/NDF: 37784.7/21

All: 639.458+/-0.093 χ^2/NDF: 98617.8/45

- sign 641.834+/-0.132 χ^2/NDF: 60184.4/23

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

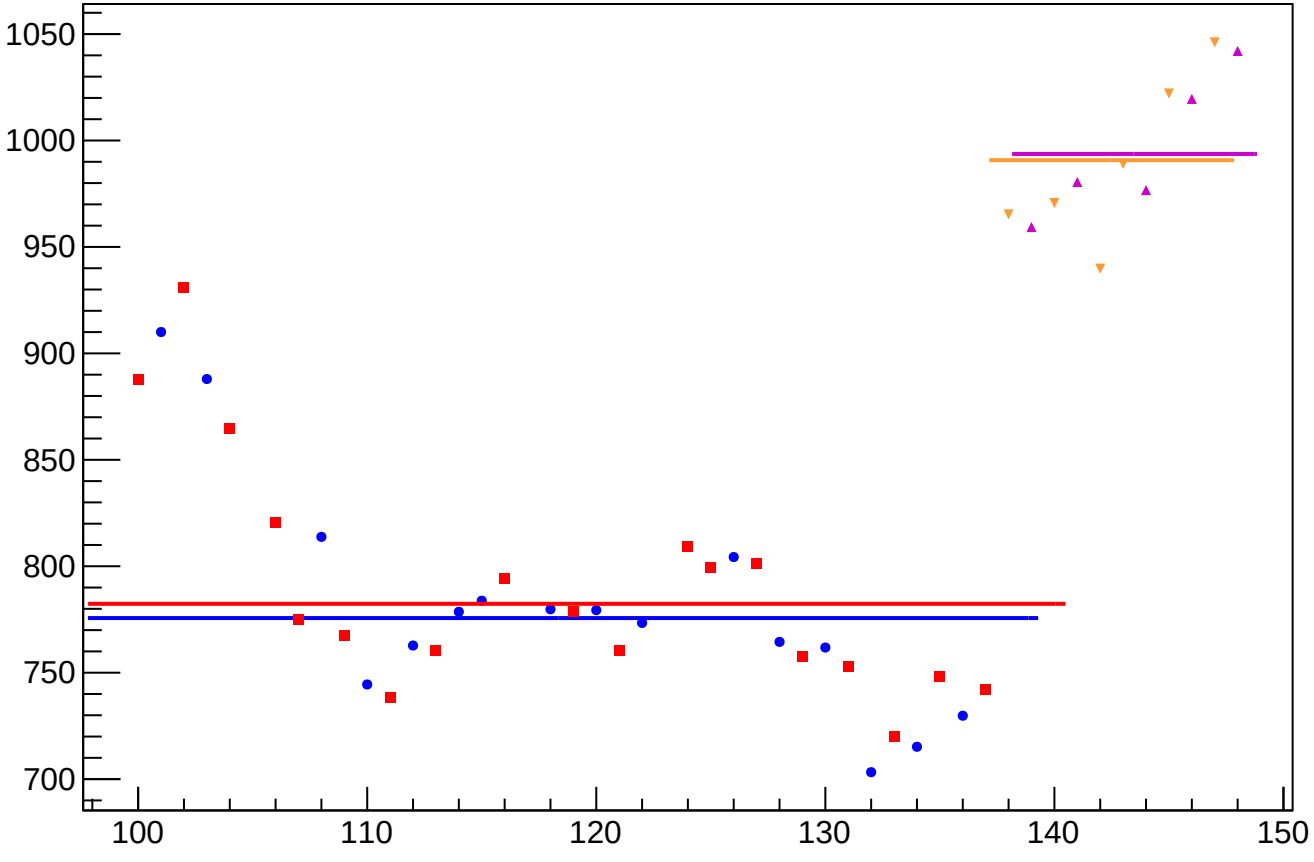
Left In: 34.076+/-0.476 χ^2/NDF:422.7/4

+ sign 28.692+/-0.246 χ^2/NDF: 7565.2/21

All: 26.288+/-0.173 χ^2/NDF: 20672.3/45

- sign 23.893+/-0.245 χ^2/NDF: 12915.9/23

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

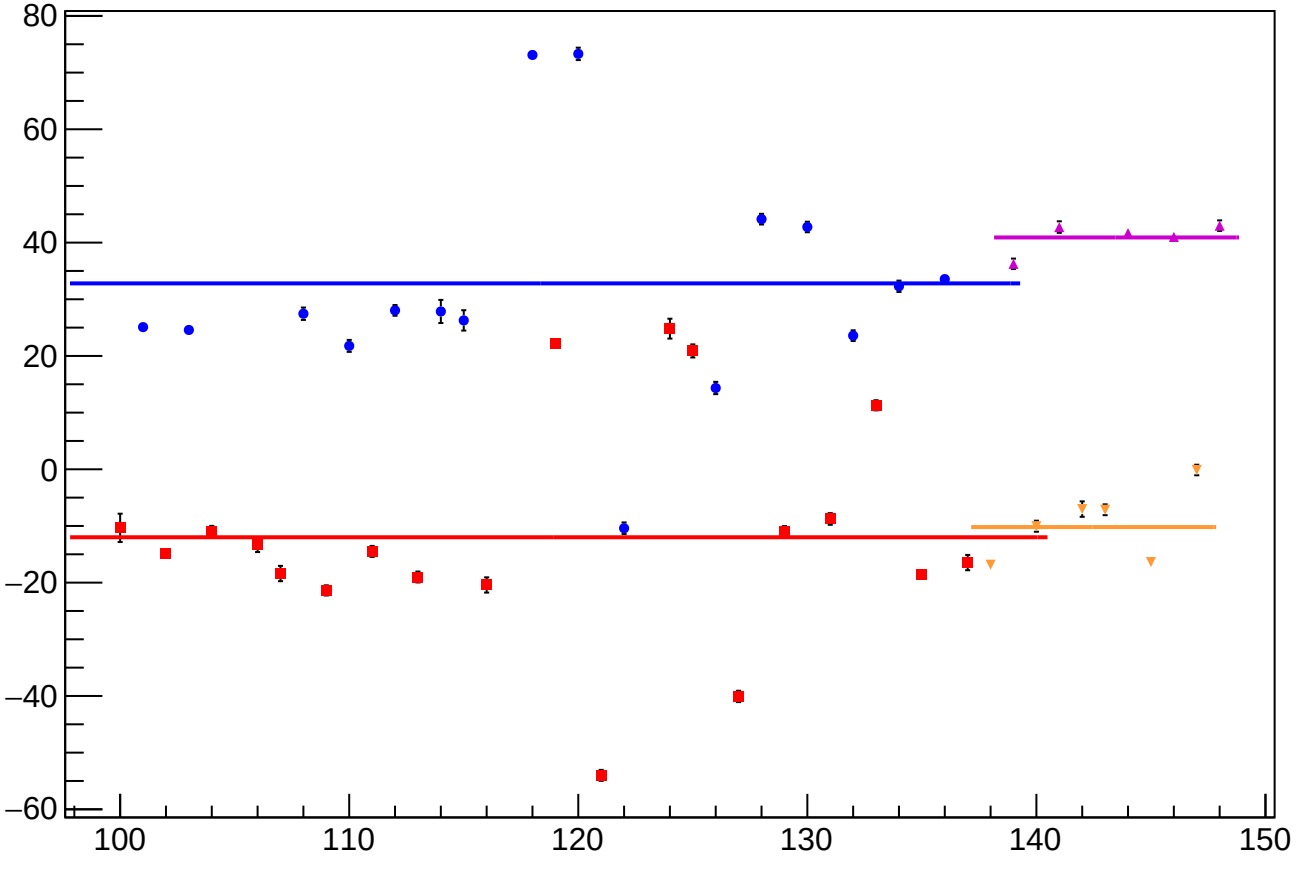
Left In: 993.682+/-0.336 χ^2/NDF:7790.8/4

+ sign 835.302+/-0.174 χ^2/NDF: 392574.8/21

All: 836.872+/-0.123 χ^2/NDF: 754942.1/45

- sign 838.436+/-0.173 χ^2/NDF: 362204.2/23

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

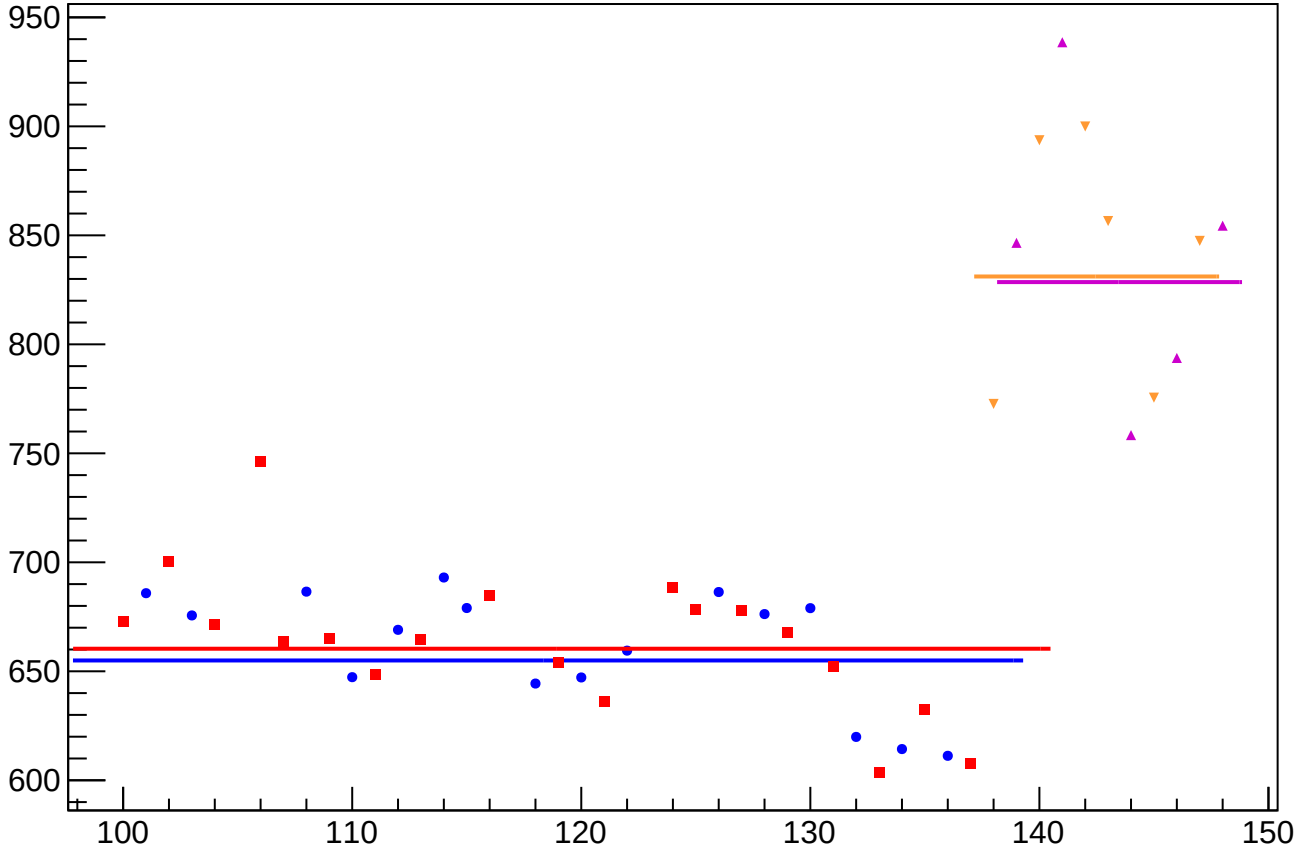
Left In: 40.910+/-0.400 χ^2/NDF:34.6/4

+ sign 20.889+/-0.207 χ^2/NDF: 15138.5/21

All: 11.473+/-0.146 χ^2/NDF: 38687.5/45

- sign 2.105+/-0.207 χ^2/NDF: 19422.8/23

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

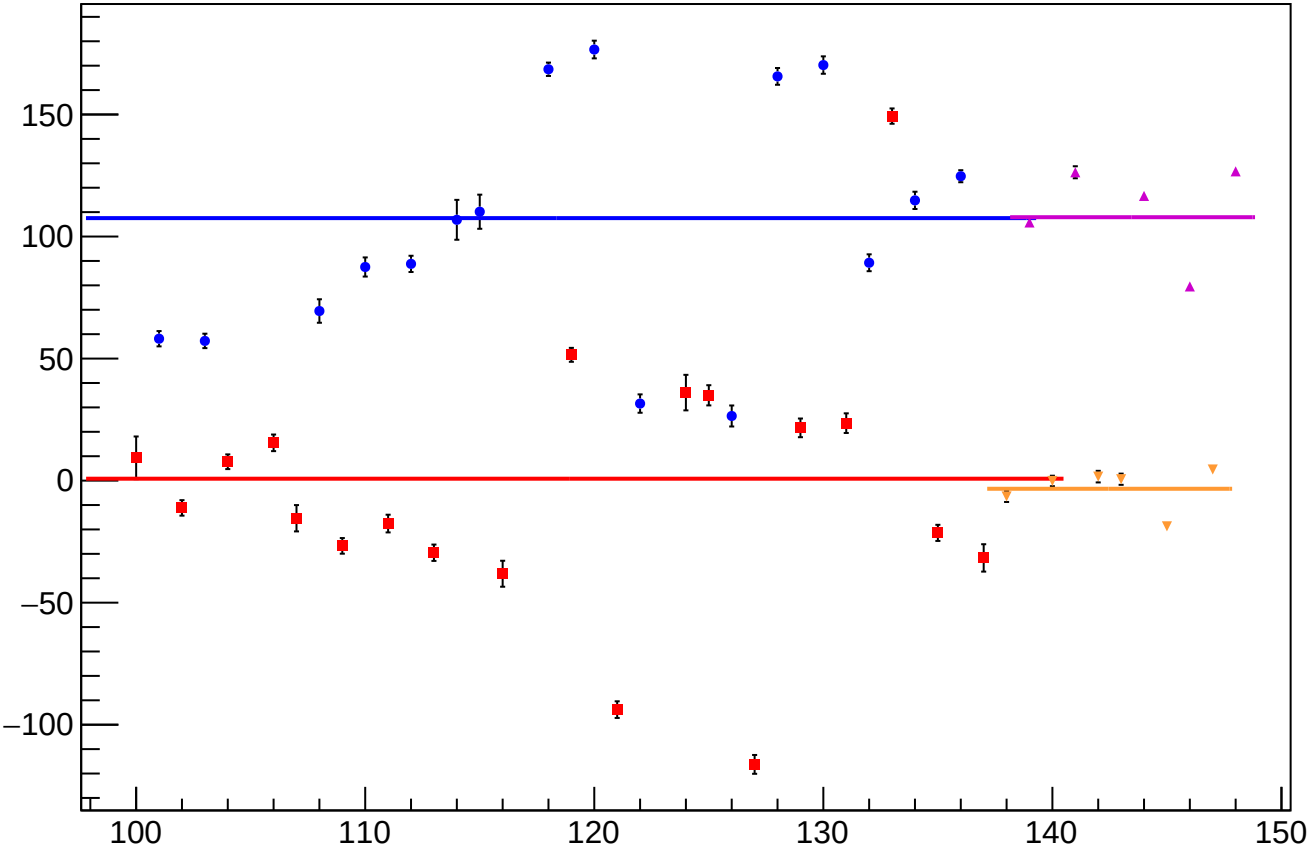
Left In: 828.553+/-0.283 χ^2/NDF:44173.2/4

+ sign 703.778+/-0.146 χ^2/NDF: 349129.7/21

All: 704.480+/-0.103 χ^2/NDF: 683110.7/45

- sign 705.179+/-0.146 χ^2/NDF: 333935.1/23

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

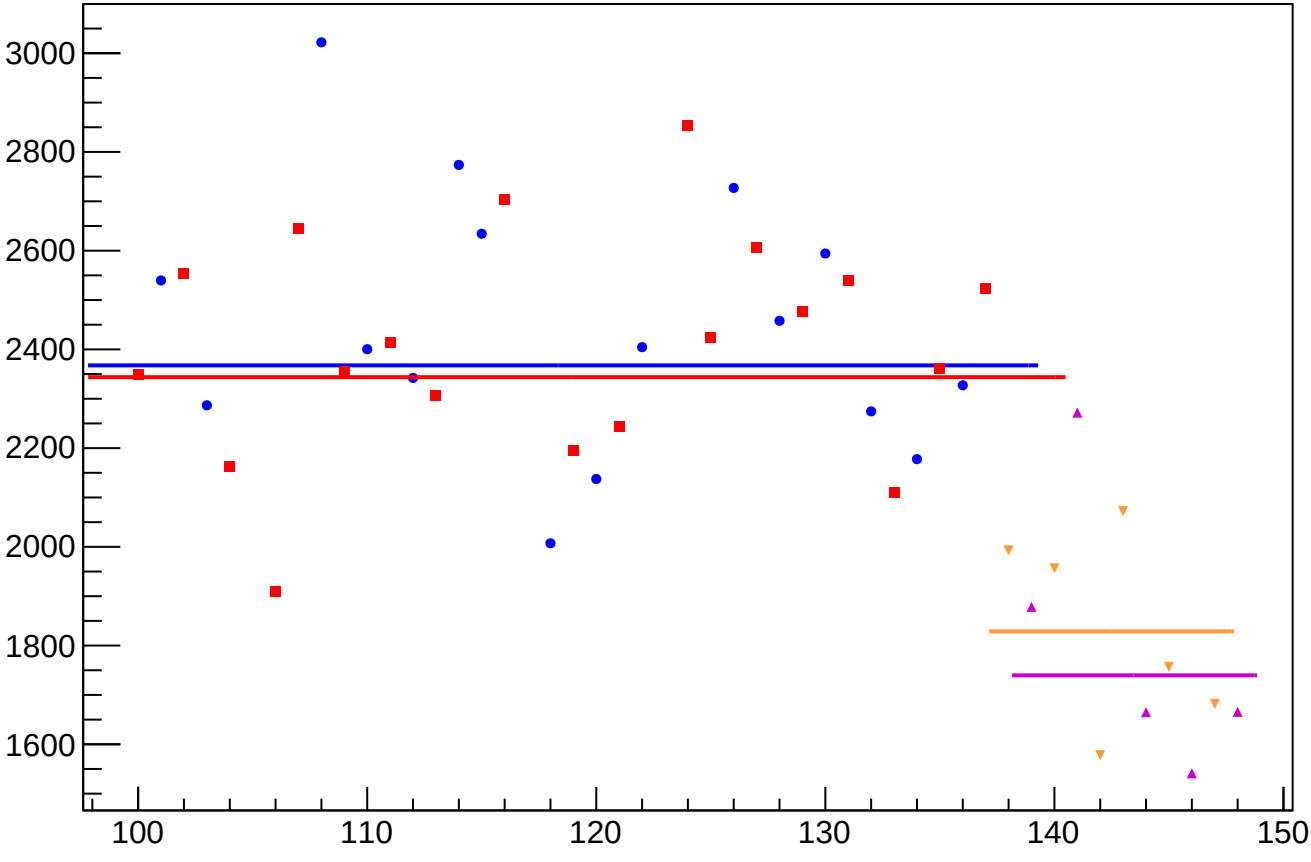
Left In: 107.921+/-0.849 χ^2/NDF:487.1/4

+ sign 50.996+/-0.620 χ^2/NDF: 11047.1/21

All: 53.087+/-0.433 χ^2/NDF: 24169.5/45

- sign 55.078+/-0.605 χ^2/NDF: 13100.1/23

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

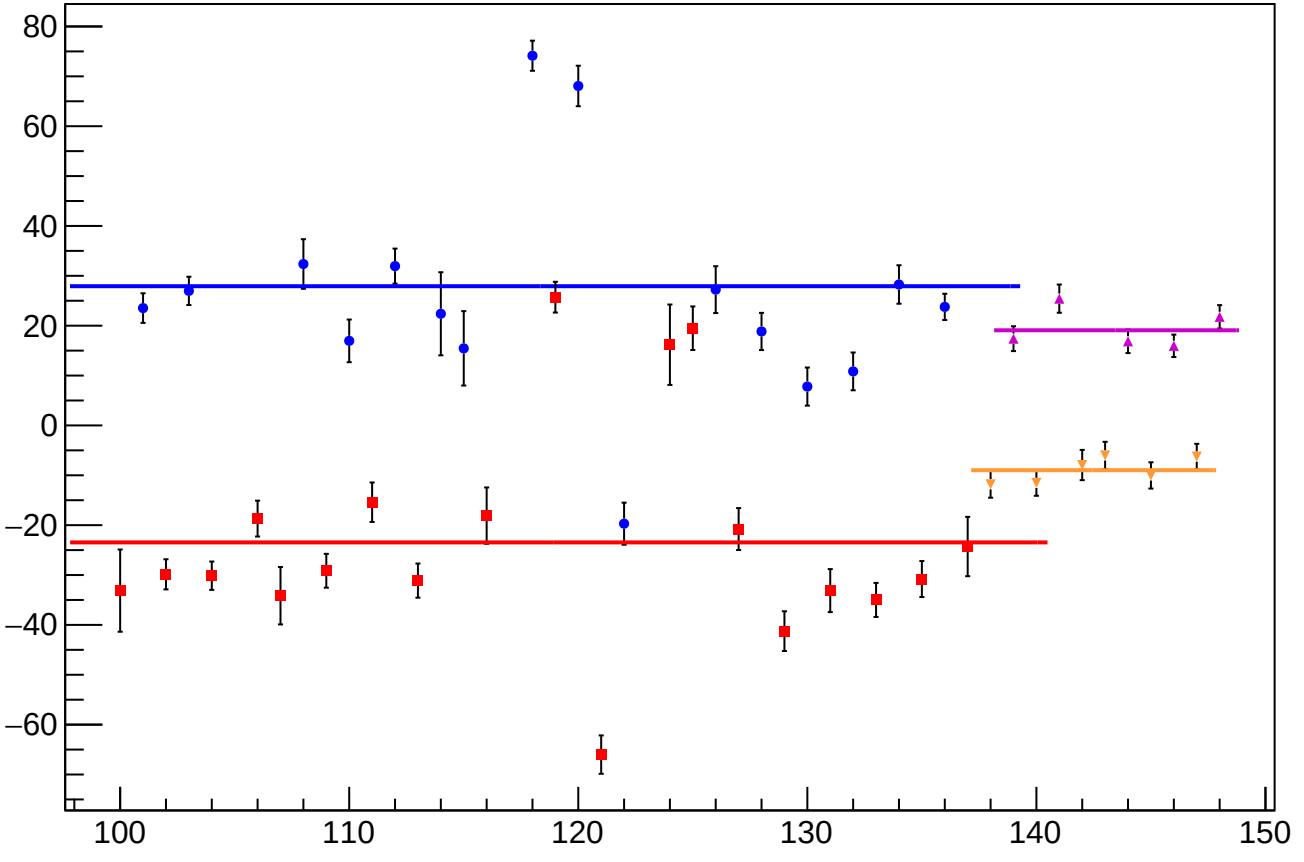
Left In: 1739.721+/-0.601 χ^2/NDF:138705.9/4

+ sign 2092.778+/-0.438 χ^2/NDF: 582218.4/21

All: 2064.522+/-0.306 χ^2/NDF: 1340257.3/45

- sign 2037.633+/-0.427 χ^2/NDF: 749924.8/23

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

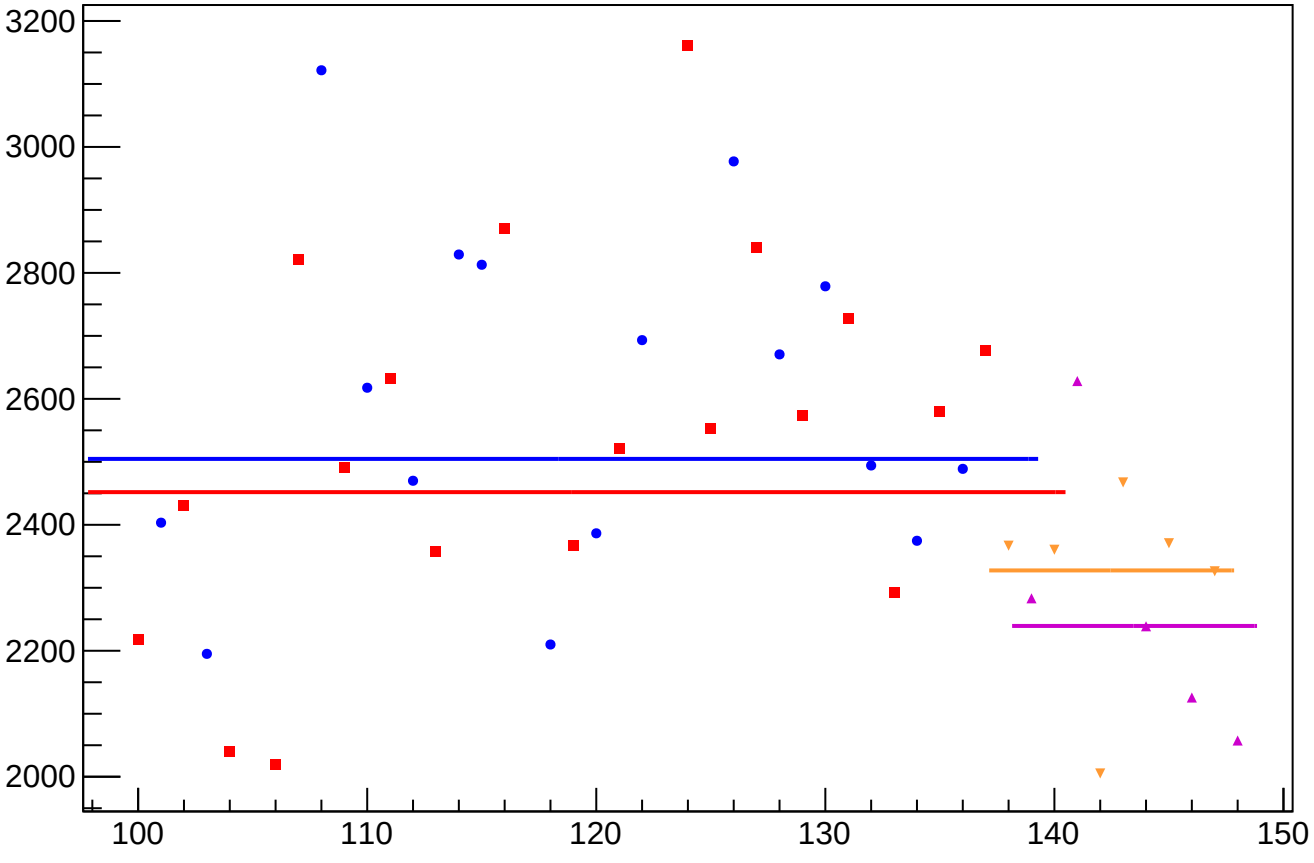
Left In: 19.077+/-1.088 χ^2/NDF:9.6/4

+ sign 12.392+/-0.713 χ^2/NDF: 1188.1/21

All: 2.897+/-0.498 χ^2/NDF: 3016.6/45

- sign -6.117+/-0.695 χ^2/NDF: 1482.7/23

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

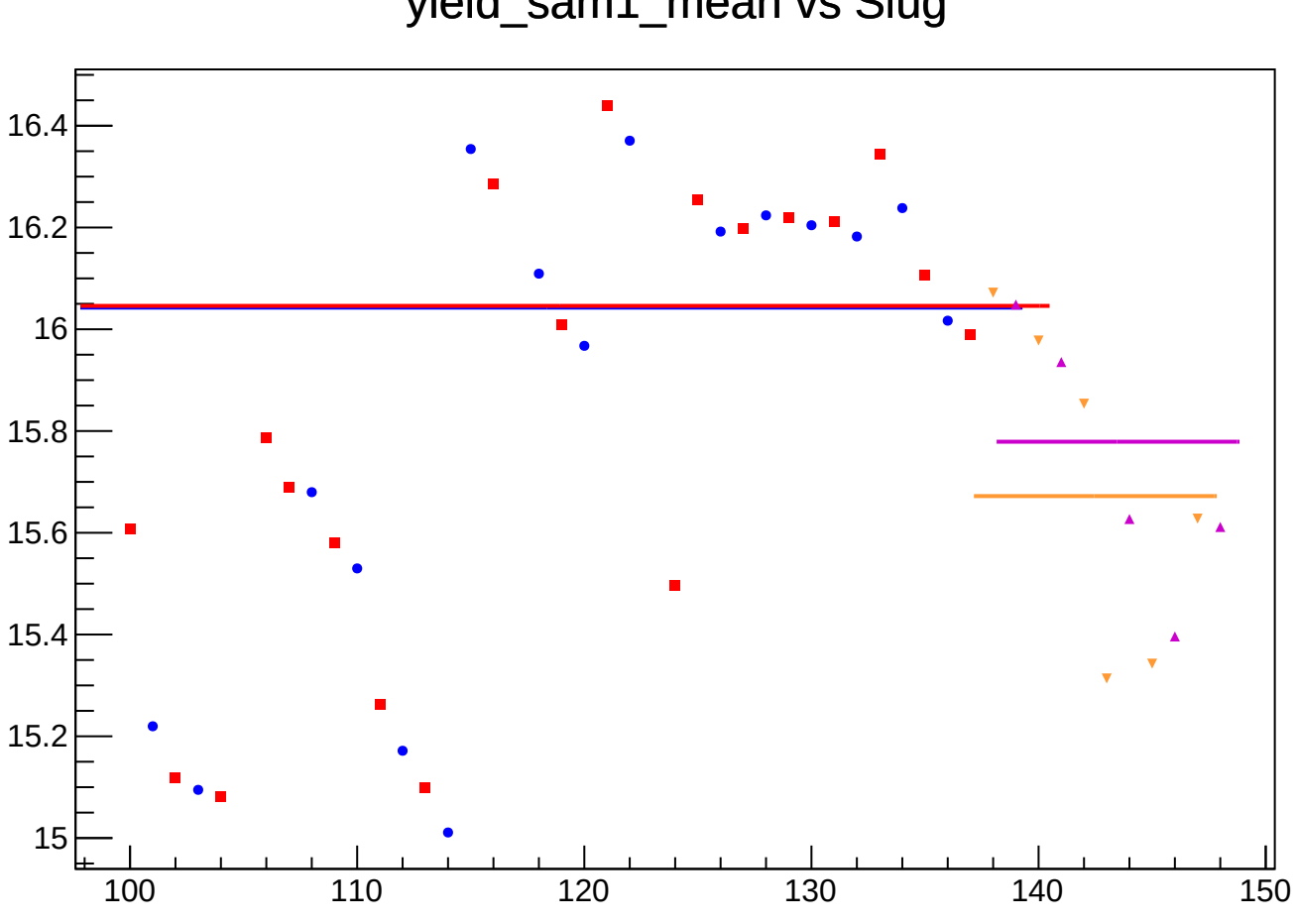
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2239.414+/-0.769 χ^2/NDF:55550.1/4

+ sign 2430.145+/-0.504 χ^2/NDF: 185811.2/21

All: 2396.862+/-0.352 χ^2/NDF: 448271.5/45

- sign 2365.263+/-0.491 χ^2/NDF: 253963.5/23



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

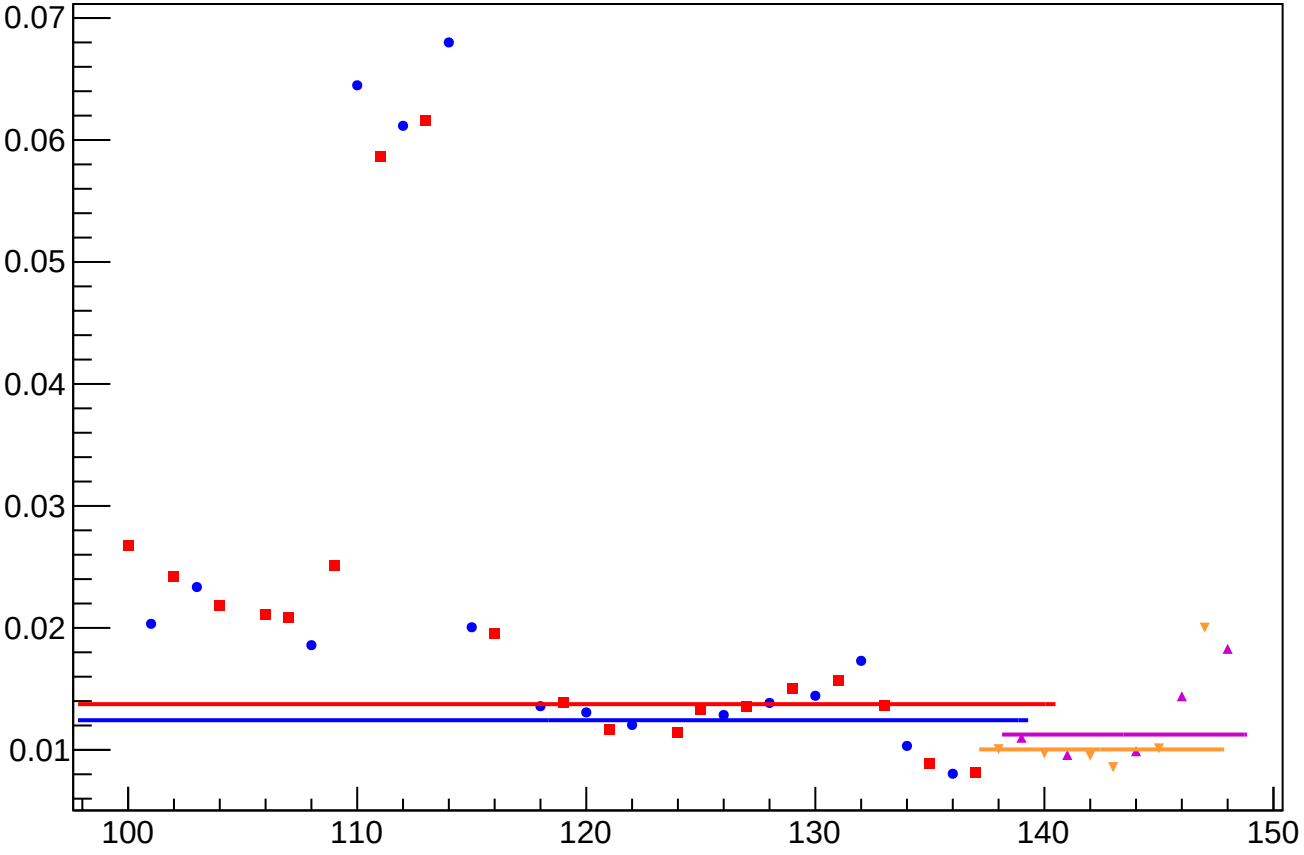
Left In: 15.779+/-0.000 χ^2/NDF:1544173224.1/4

+ sign 15.846+/-0.000 χ^2/NDF: 9674974409.2/21

All: 15.875+/-0.000 χ^2/NDF: 15996489194.9

- sign 15.911+/-0.000 χ^2/NDF: 6179513228.7/23

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

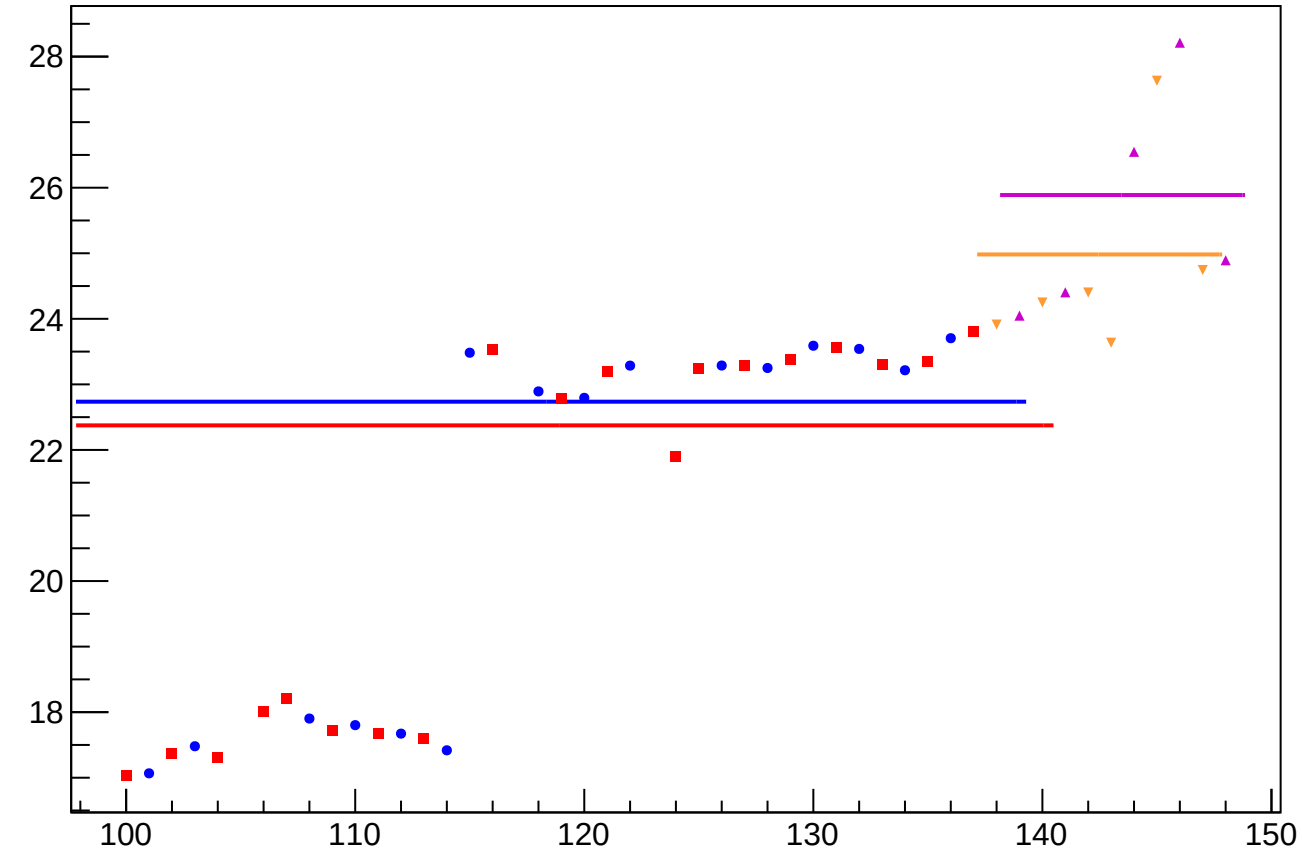
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:394048.5/4

+ sign 0.011+/-0.000 χ^2/NDF: 2978883.9/21

All: 0.012+/-0.000 χ^2/NDF: 5911237.5/45

- sign 0.012+/-0.000 χ^2/NDF: 2813459.6/23



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

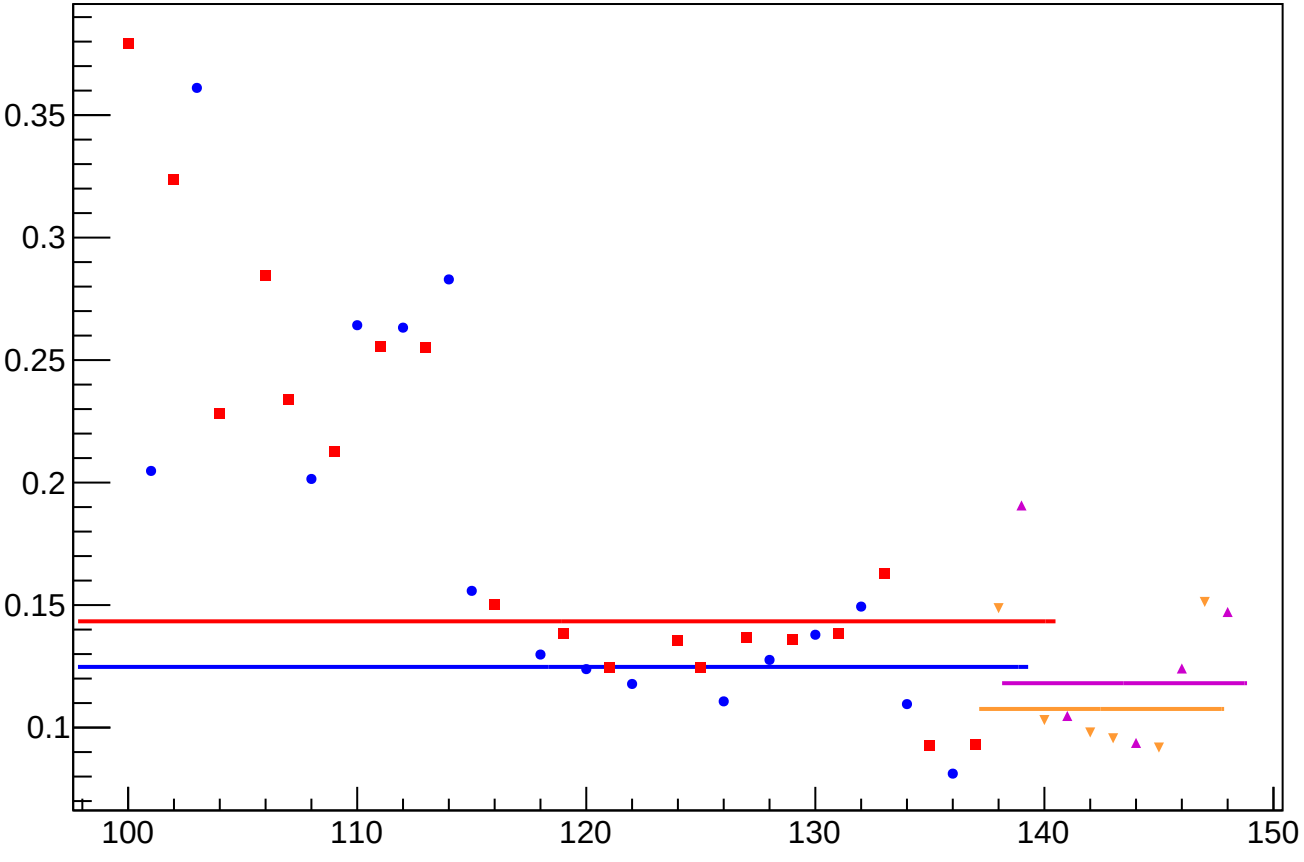
Left In: 25.888+/-0.000 χ^2/NDF:565815607.5/4

+ sign 23.808+/-0.000 χ^2/NDF: 2807697450.8/21

All: 23.924+/-0.000 χ^2/NDF: 6269659316.9/4

- sign 24.066+/-0.000 χ^2/NDF: 3442245484.6/23

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

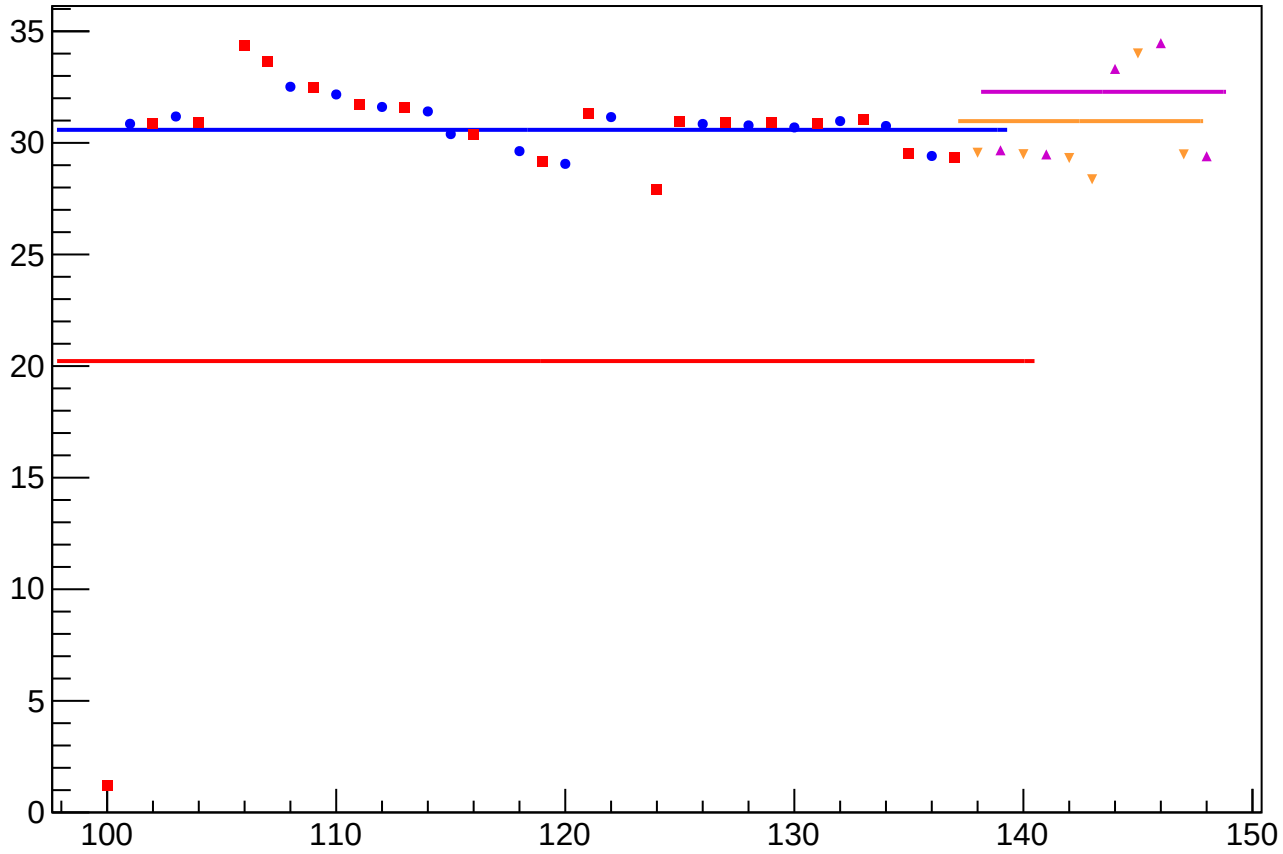
Left In: 0.118+/-0.000 χ^2/NDF:429969.2/4

+ sign 0.117+/-0.000 χ^2/NDF: 2147019.4/21

All: 0.123+/-0.000 χ^2/NDF: 4445593.7/45

- sign 0.131+/-0.000 χ^2/NDF: 2171724.7/23

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

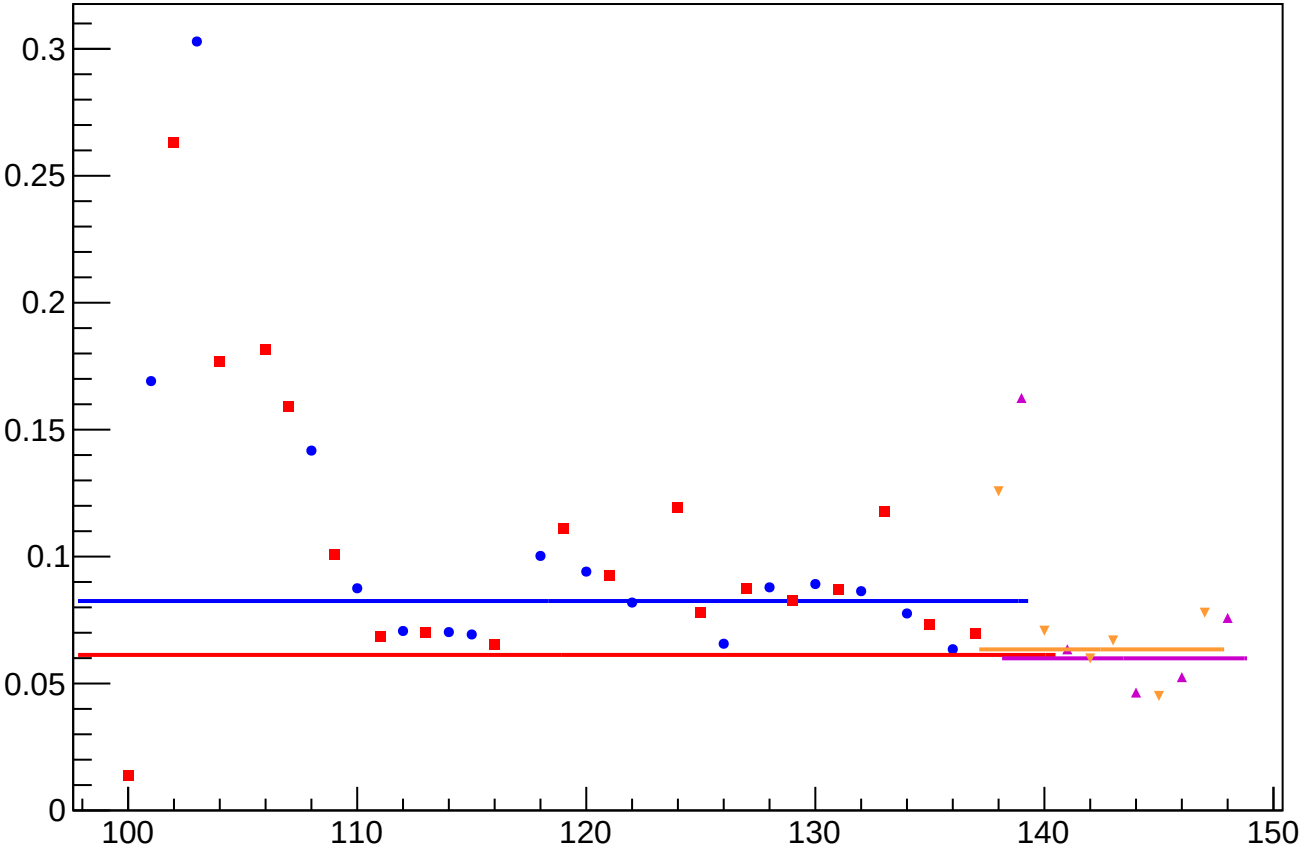
Left In: 32.288+/-0.000 χ^2/NDF:3738287319.9/4

+ sign 30.777+/-0.000 χ^2/NDF: 4935908856.9/21

All: 27.780+/-0.000 χ^2/NDF: 322221739102.

- sign 25.374+/-0.000 χ^2/NDF: 292600359769.4/23

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

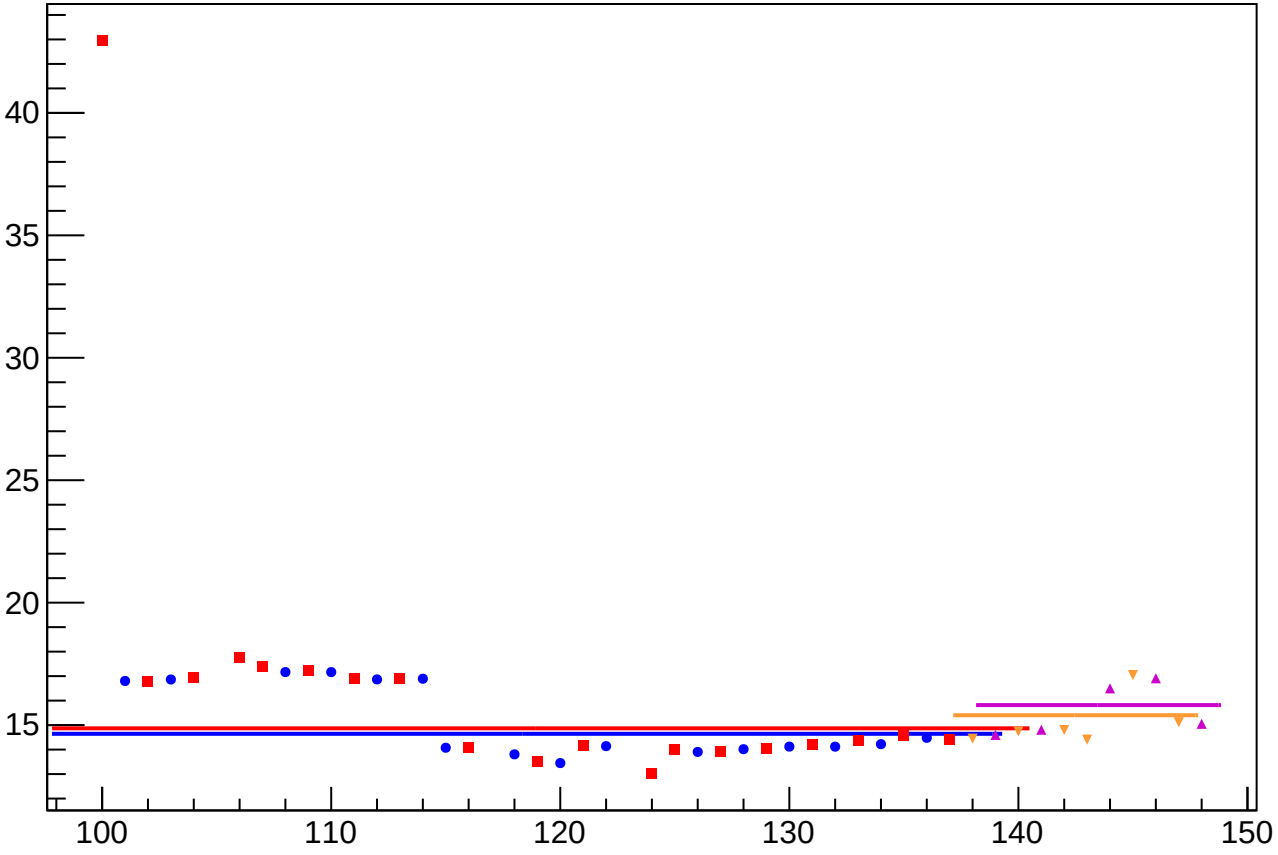
Left In: 0.060+/-0.000 χ^2/NDF:850909.6/4

+ sign 0.073+/-0.000 χ^2/NDF: 2109650.0/21

All: 0.066+/-0.000 χ^2/NDF: 7237709.7/45

- sign 0.061+/-0.000 χ^2/NDF: 4866888.4/23

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

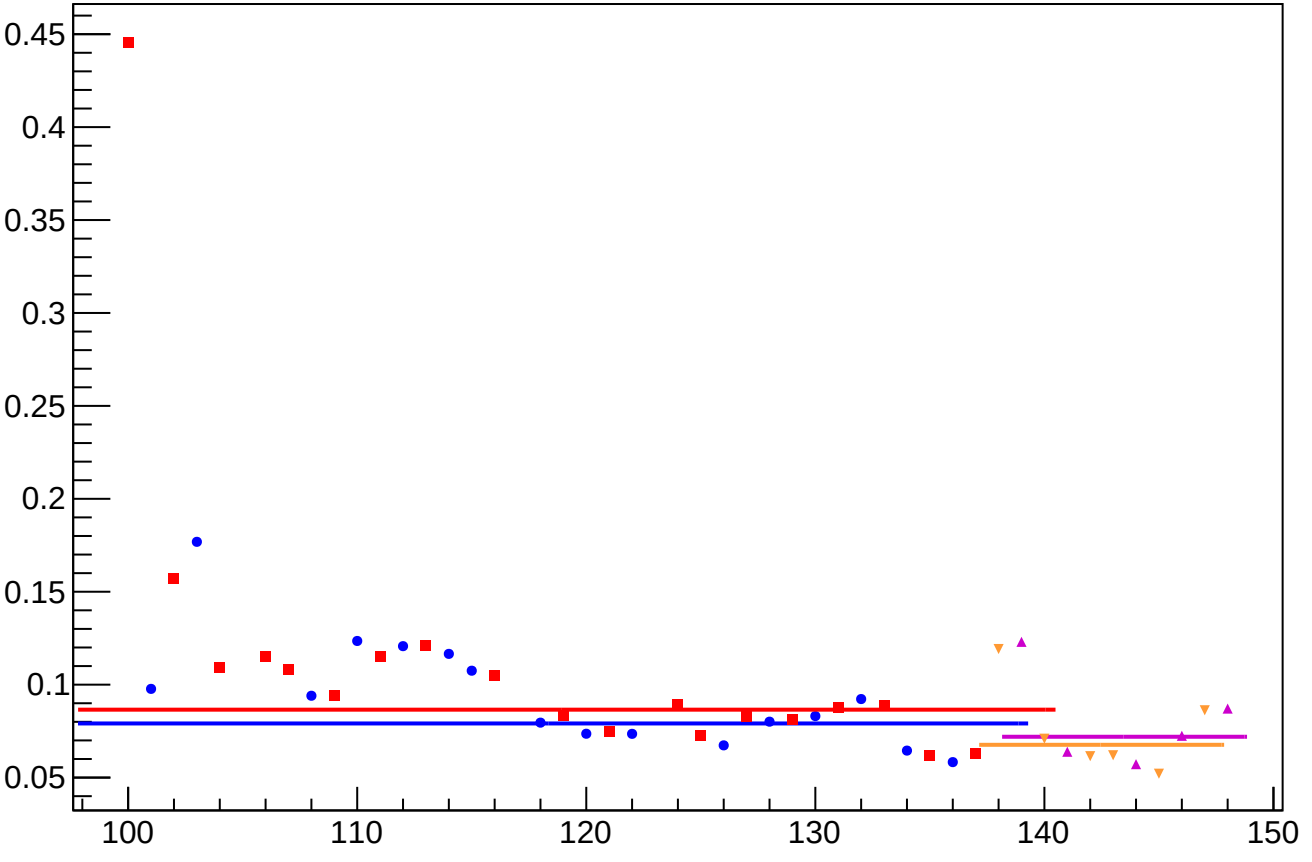
Left In: 15.817+/-0.000 χ^2/NDF:569608055.4/4

+ sign 14.979+/-0.000 χ^2/NDF: 2330598616.2/21

All: 15.127+/-0.000 χ^2/NDF: 5038579724.0/4

- sign 15.293+/-0.000 χ^2/NDF: 2630295645.7/23

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

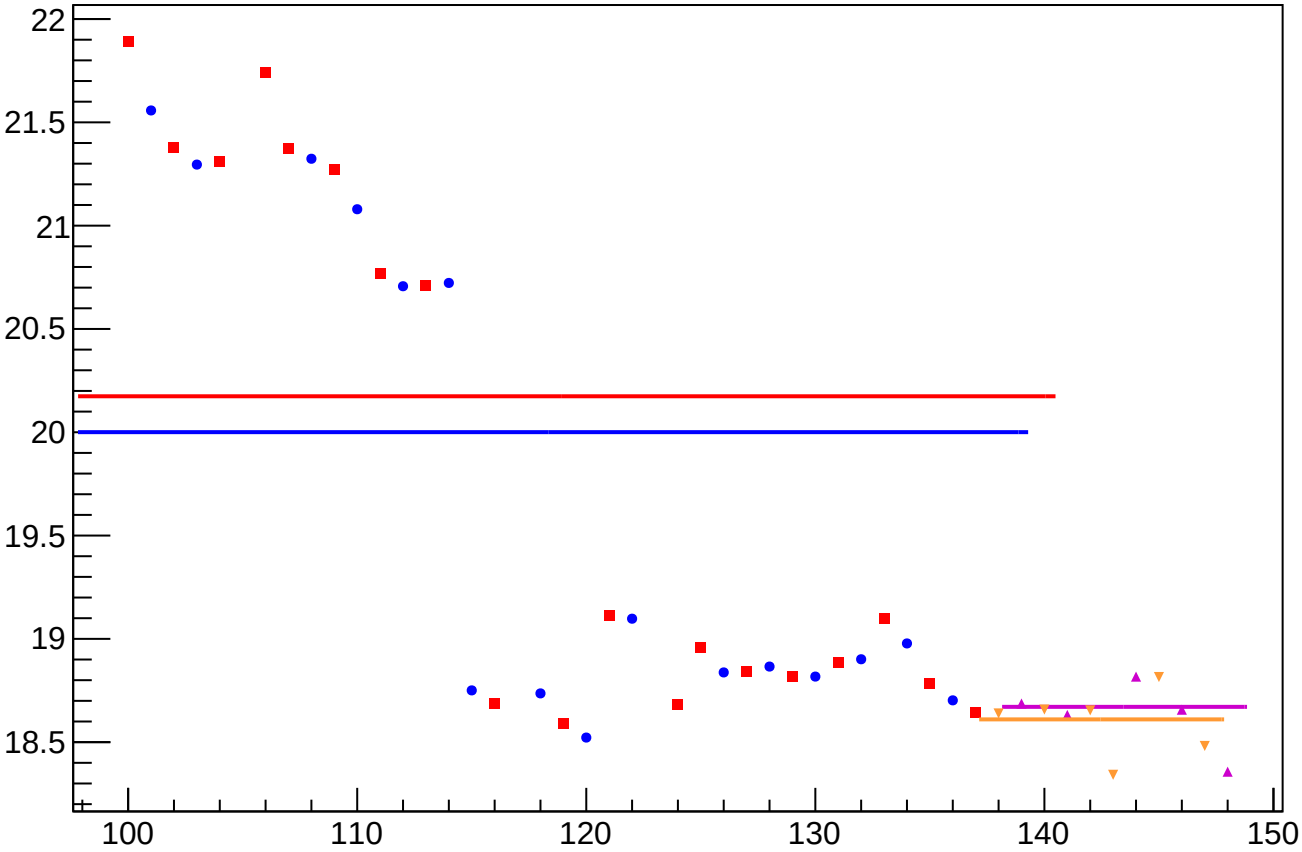
Left In: 0.072+/-0.000 χ^2/NDF:439805.9/4

+ sign 0.074+/-0.000 χ^2/NDF: 1493249.8/21

All: 0.077+/-0.000 χ^2/NDF: 2938736.7/45

- sign 0.080+/-0.000 χ^2/NDF: 1389312.5/23

yield_sam5_mean vs Slug



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

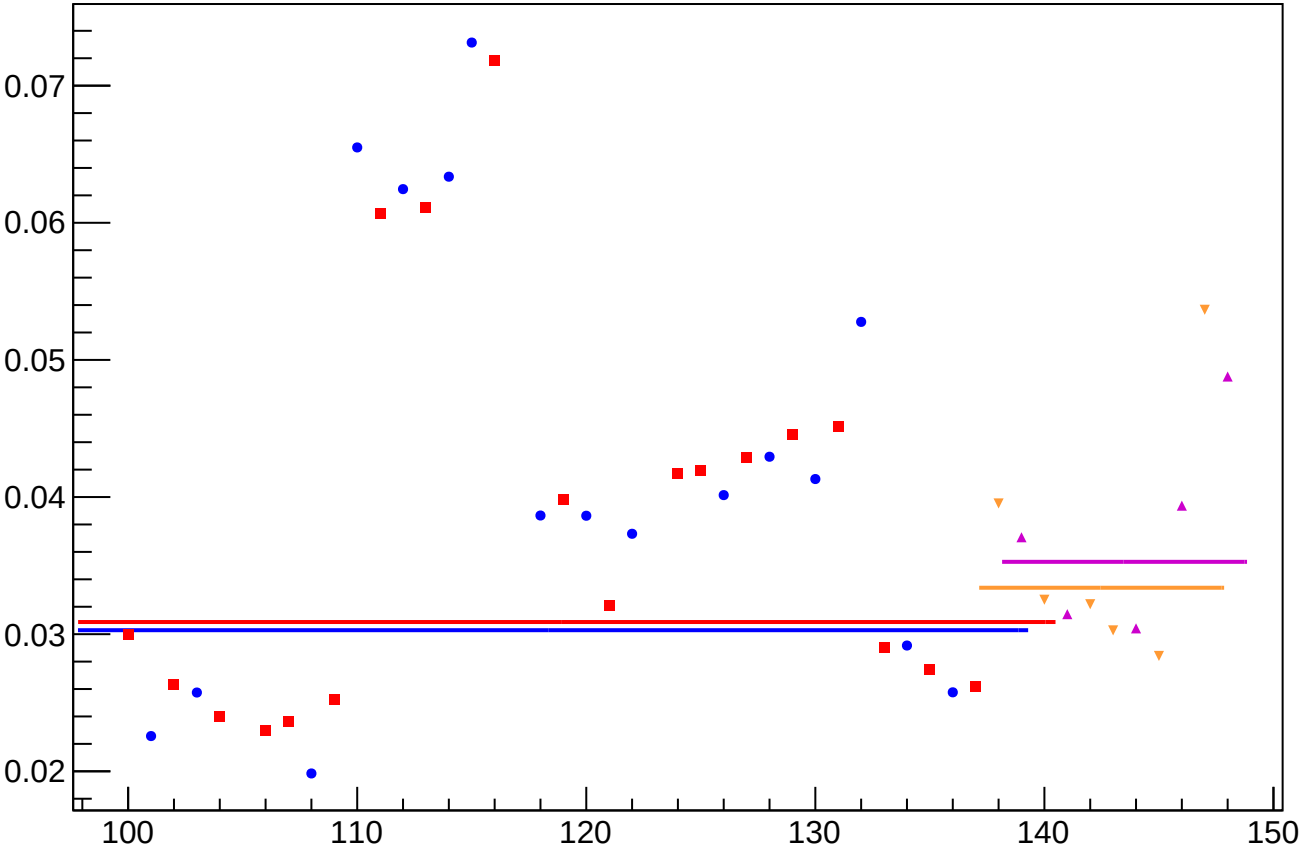
Left In: 18.671+/-0.000 χ^2/NDF:53810847.8/4

+ sign 19.495+/-0.000 χ^2/NDF: 15550979355.6/21

All: 19.584+/-0.000 χ^2/NDF: 31061518099.7

- sign 19.678+/-0.000 χ^2/NDF: 15345033120.0/23

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

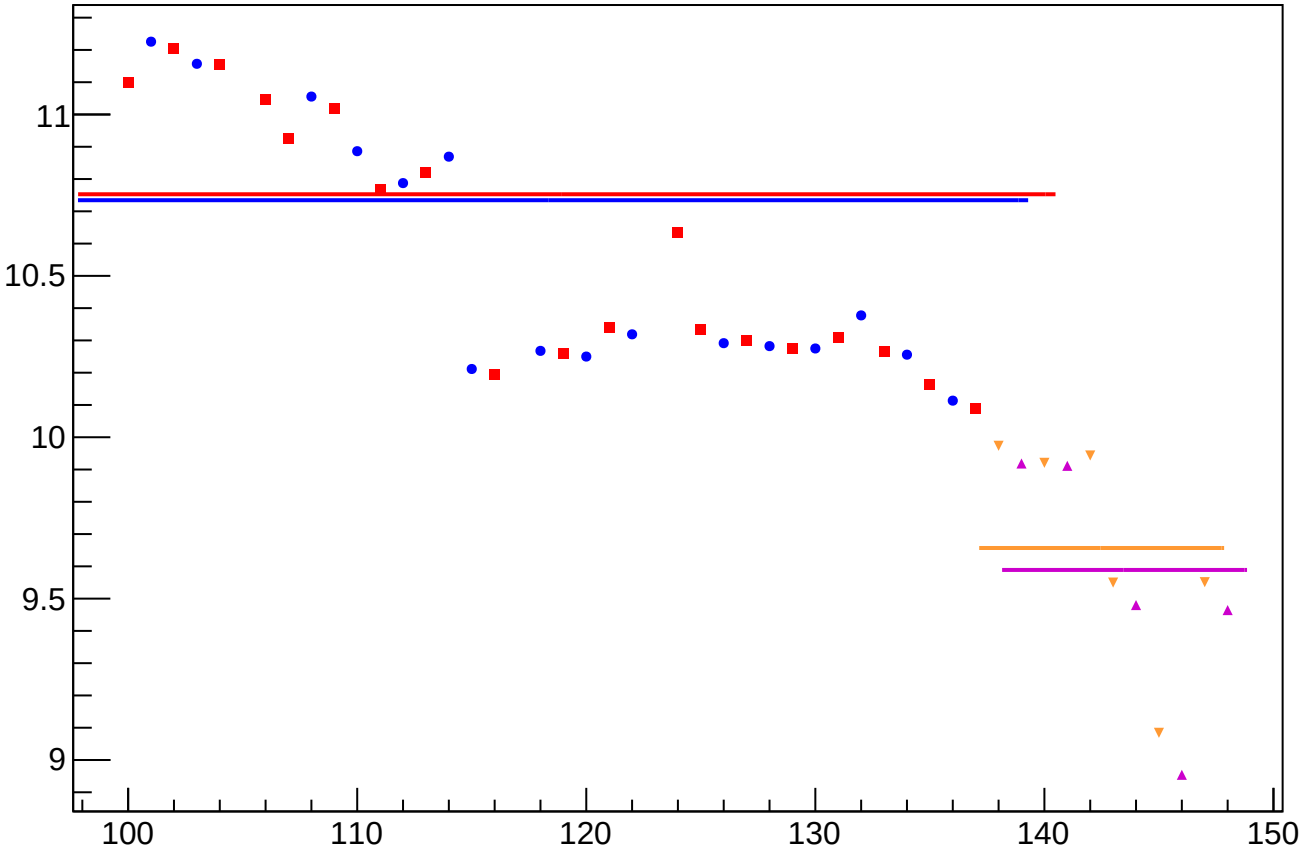
Left In: 0.035+/-0.000 χ^2/NDF:210335.5/4

+ sign 0.031+/-0.000 χ^2/NDF: 1823592.7/21

All: 0.032+/-0.000 χ^2/NDF: 3330059.5/45

- sign 0.032+/-0.000 χ^2/NDF: 1498012.1/23

yield_sam6_mean vs Slug



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

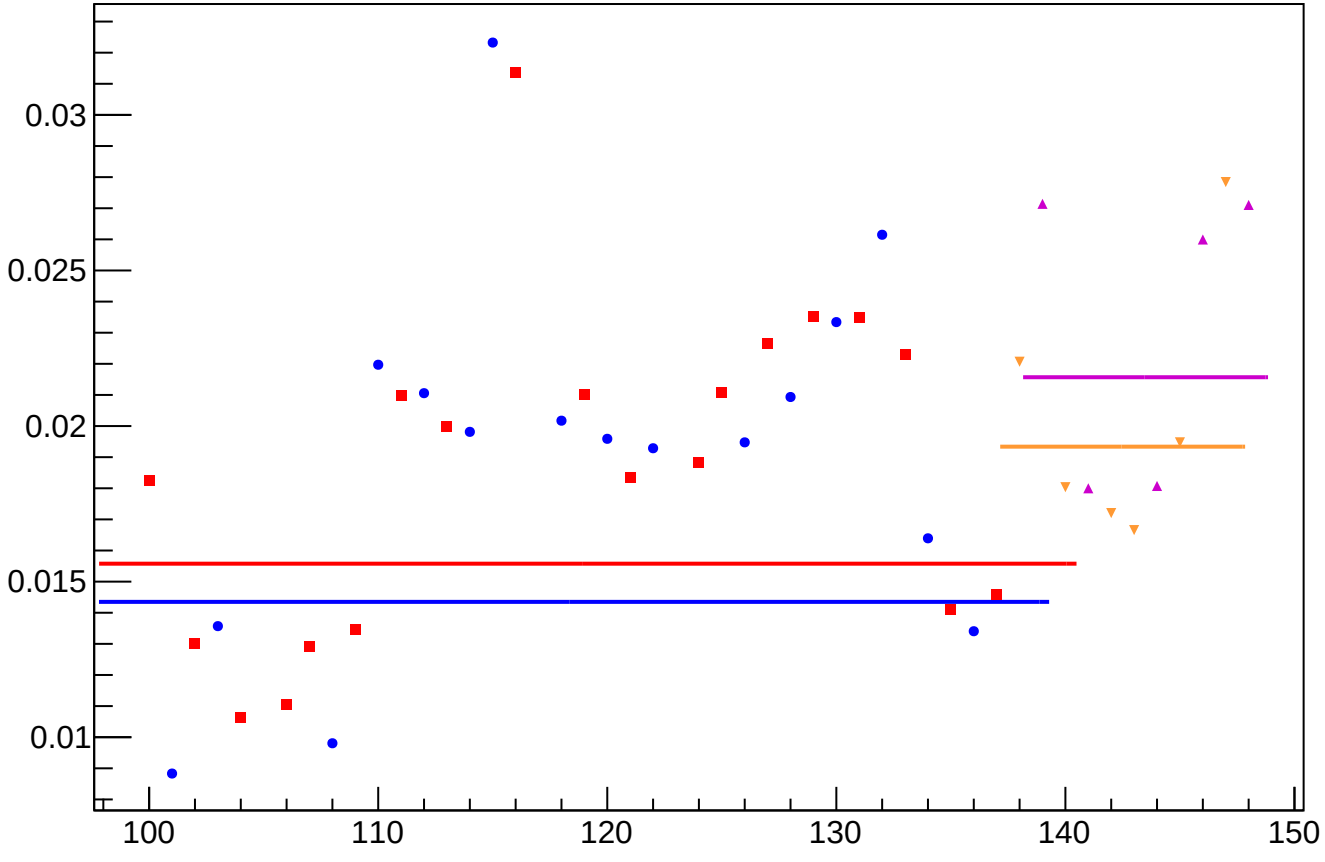
Left In: 9.589+/-0.000 χ^2/NDF:908637049.2/4

+ sign 10.436+/-0.000 χ^2/NDF: 15827041002.6/21

All: 10.450+/-0.000 χ^2/NDF: 29617651947.9

- sign 10.466+/-0.000 χ^2/NDF: 13774432147.9/23

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:227319.4/5

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

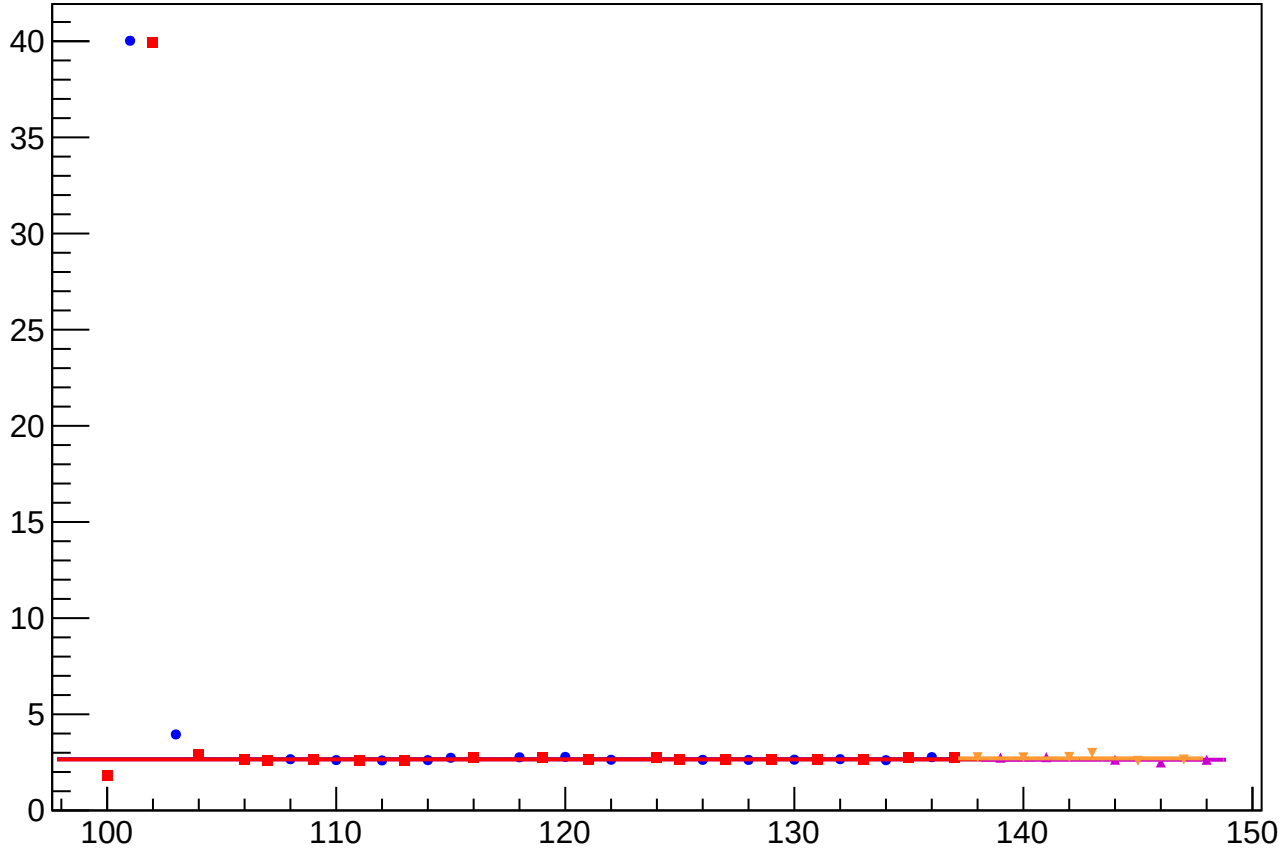
Left In: 0.022+/-0.000 χ^2/NDF:306000.4/4

+ sign 0.016+/-0.000 χ^2/NDF: 2089907.1/21

All: 0.016+/-0.000 χ^2/NDF: 3982365.6/45

- sign 0.017+/-0.000 χ^2/NDF: 1829672.6/23

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

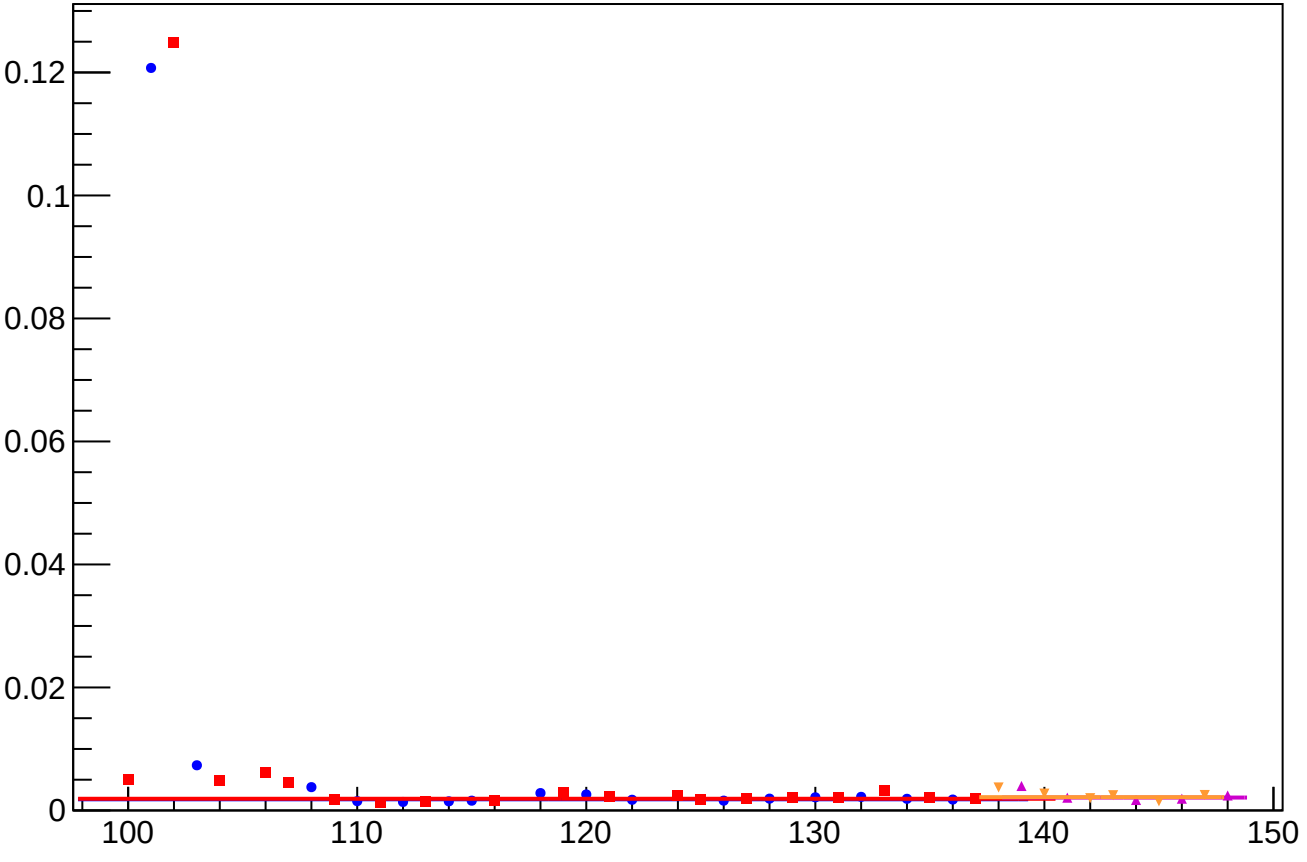
Left In: 2.637+/-0.000 χ^2/NDF:7318800423.2/4

+ sign 2.678+/-0.000 χ^2/NDF: 82908514823.2/21

All: 2.664+/-0.000 χ^2/NDF: 156352884532.3

- sign 2.650+/-0.000 χ^2/NDF: 72556861930.6/23

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

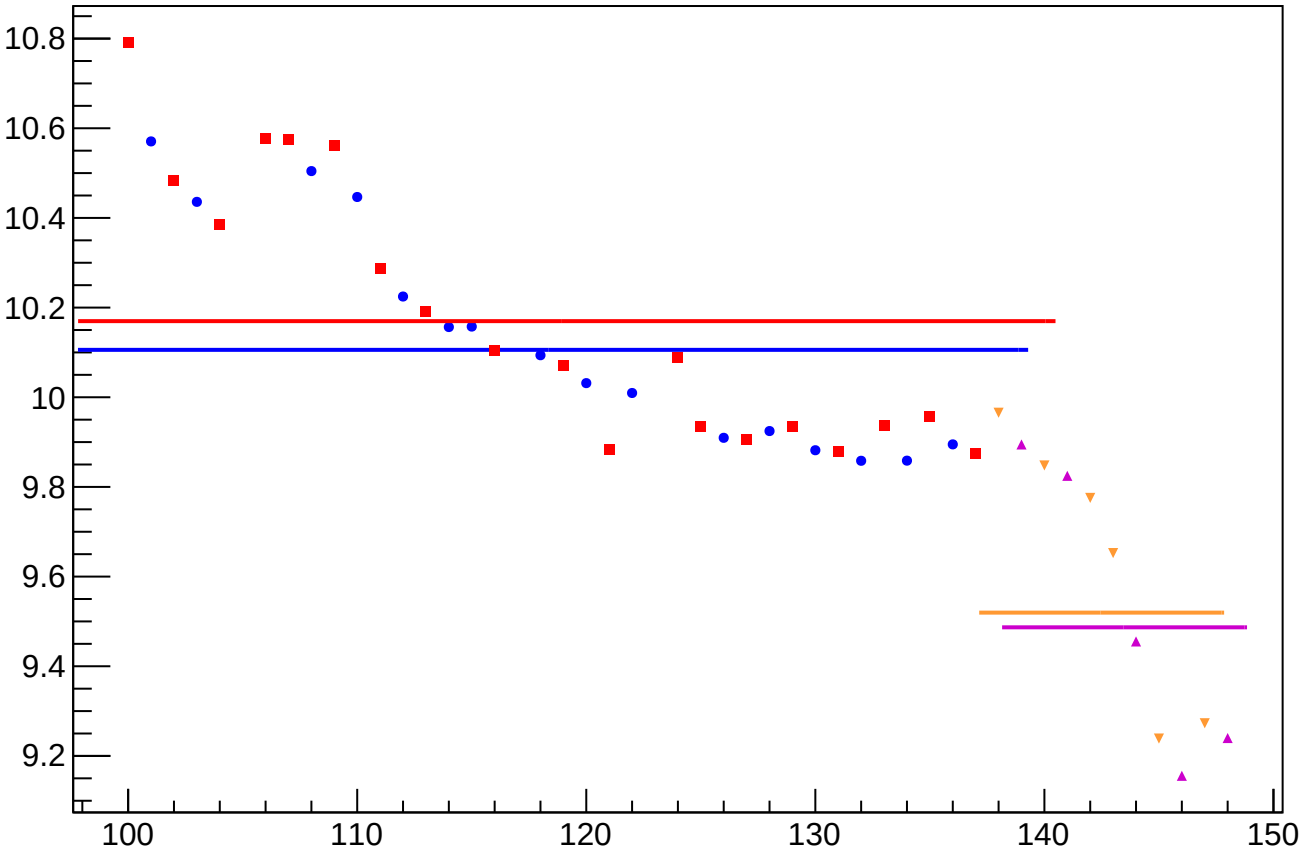
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:472363.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 2550399.0/21

All: 0.002+/-0.000 χ^2/NDF: 5590147.9/45

- sign 0.002+/-0.000 χ^2/NDF: 3036393.5/23



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

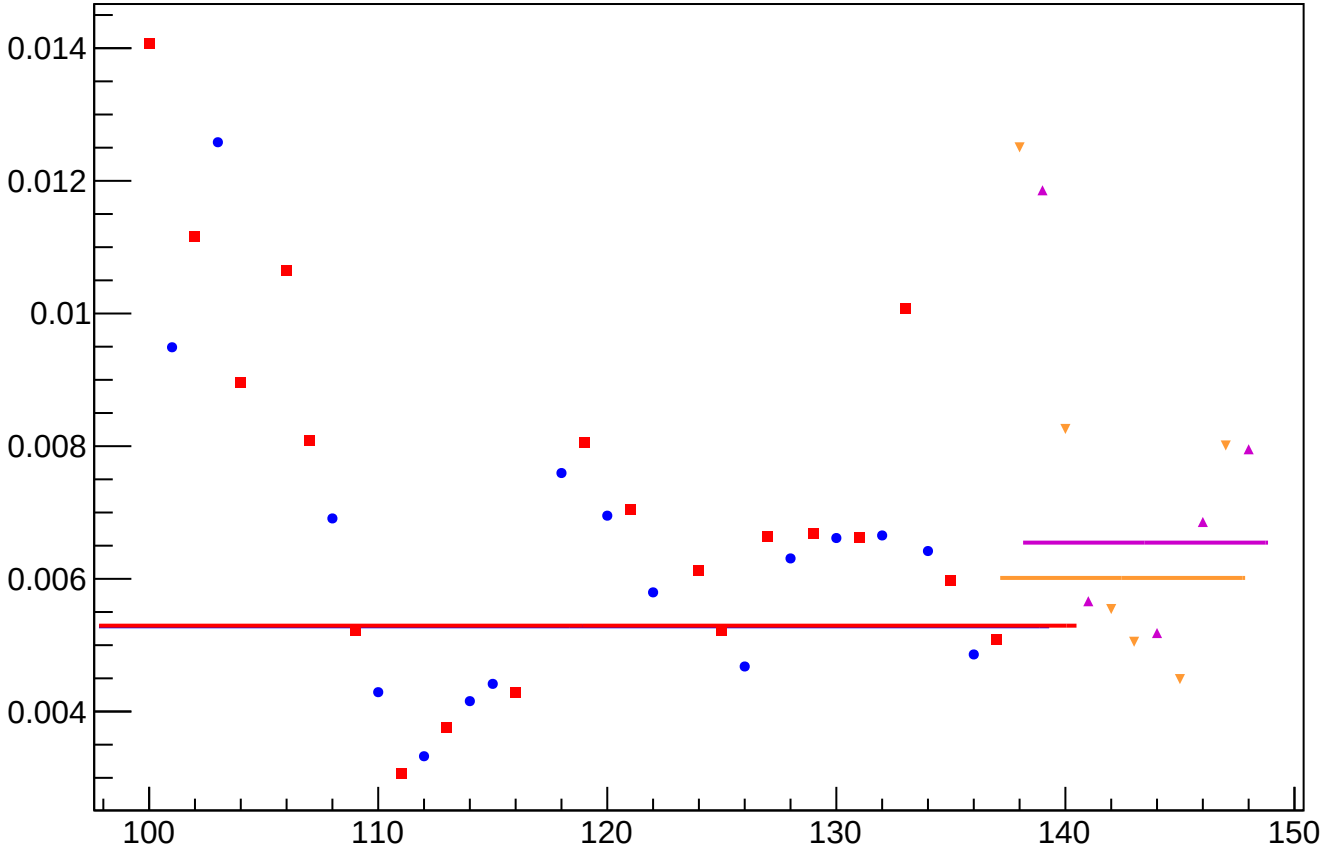
Left In: 9.487+/-0.000 χ^2/NDF:5578319515.8/4

+ sign 9.922+/-0.000 χ^2/NDF: 35901793667.8/21

All: 9.950+/-0.000 χ^2/NDF: 76812415680.4/4

- sign 9.978+/-0.000 χ^2/NDF: 40470351633.0/23

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

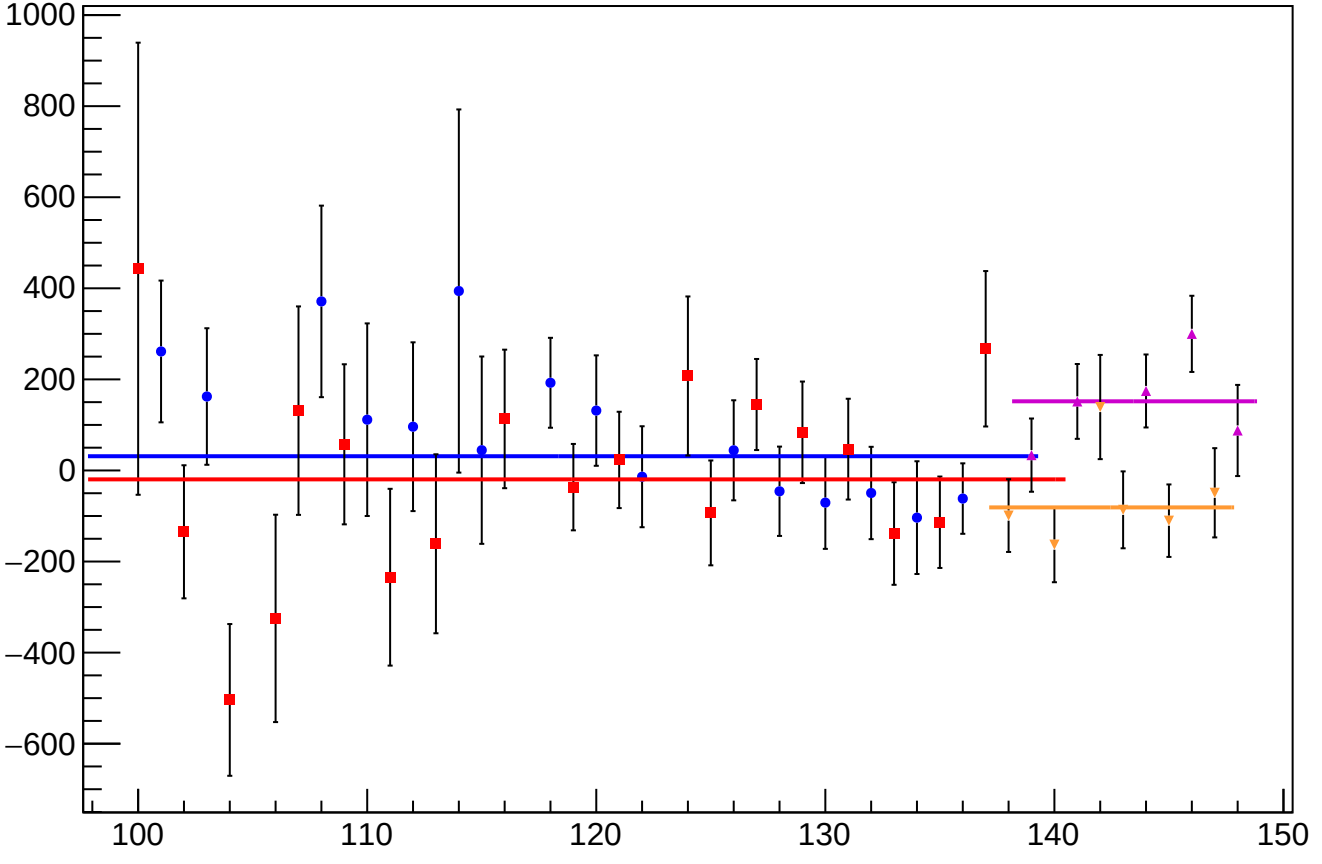
Left In: 0.007+/-0.000 χ^2/NDF:485493.4/4

+ sign 0.006+/-0.000 χ^2/NDF: 2079330.9/21

All: 0.006+/-0.000 χ^2/NDF: 4535013.0/45

- sign 0.006+/-0.000 χ^2/NDF: 2450848.9/23

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

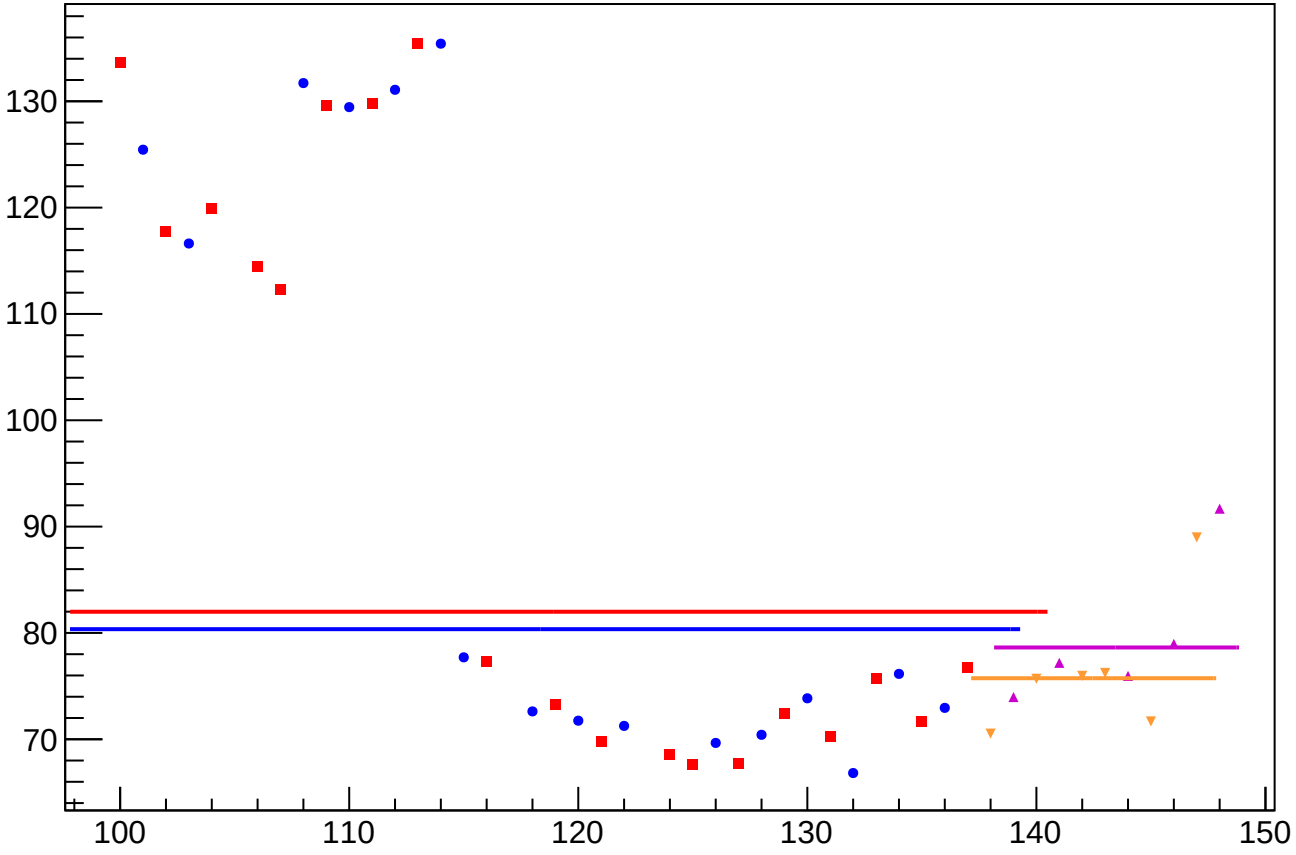
Left In: 151.849+/-37.762 χ^2/NDF:5.8/4

+ sign -16.591+/-23.331 χ^2/NDF: 25.7/21

All: 15.584+/-16.725 χ^2/NDF: 73.6/45

- sign 49.597+/-23.987 χ^2/NDF: 44.0/23

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

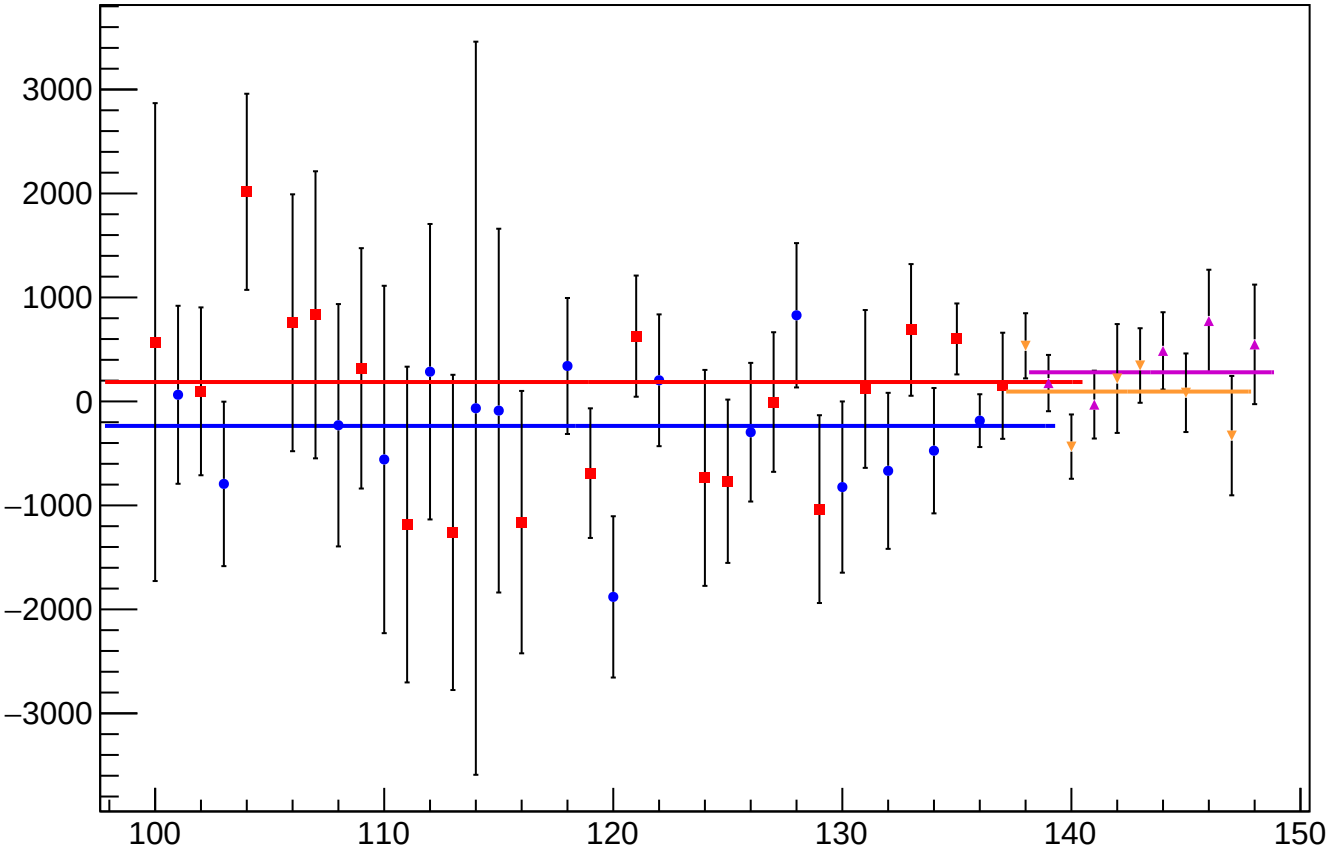
Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.390+/-0.016 χ^2/NDF: 909480.7/21

All: 79.482+/-0.012 χ^2/NDF: 1903895.5/45

- sign 80.637+/-0.017 χ^2/NDF: 985395.1/23

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

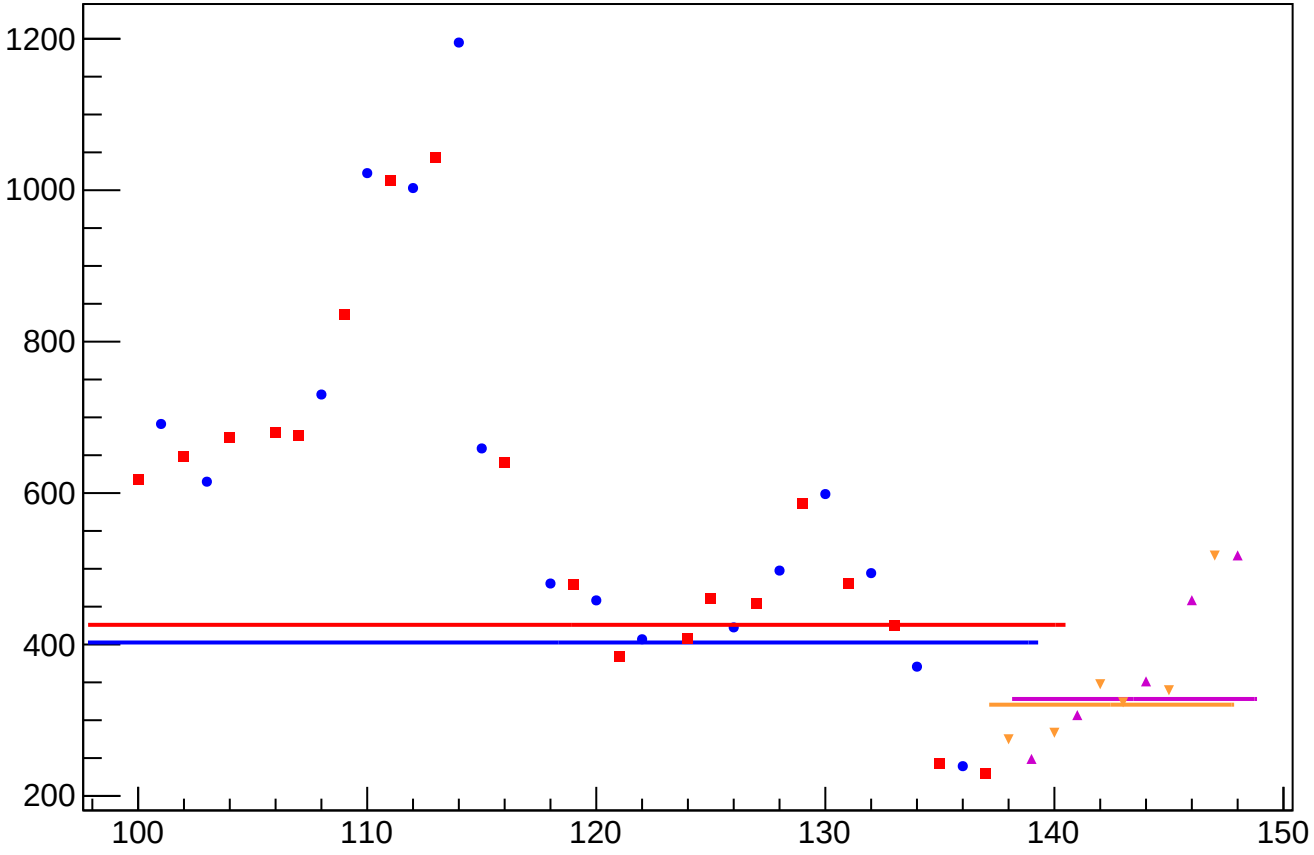
Left In: 280.244+/-163.490 χ^2/NDF:2.6/4

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 80.138+/-81.313 χ^2/NDF: 40.1/45

- sign 235.366+/-117.970 χ^2/NDF: 18.7/23

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

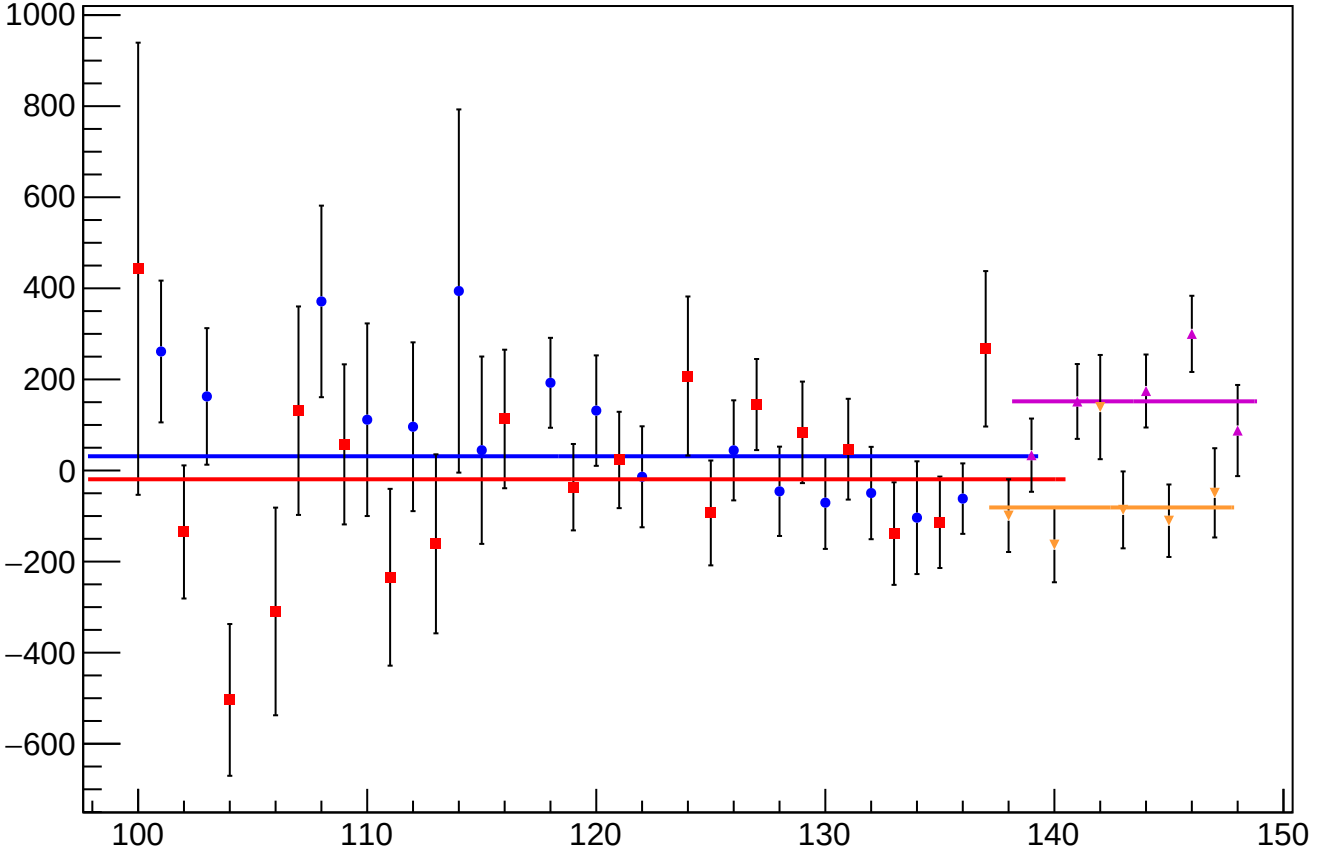
Left In: 328.068+/-0.116 χ^2/NDF:545092.1/4

\+ sign 359.101+/-0.079 χ^2/NDF: 2944228.4/21

All: 366.655+/-0.057 χ^2/NDF: 6221018.3/45

\- sign 375.000+/-0.083 χ^2/NDF: 3257722.5/23

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

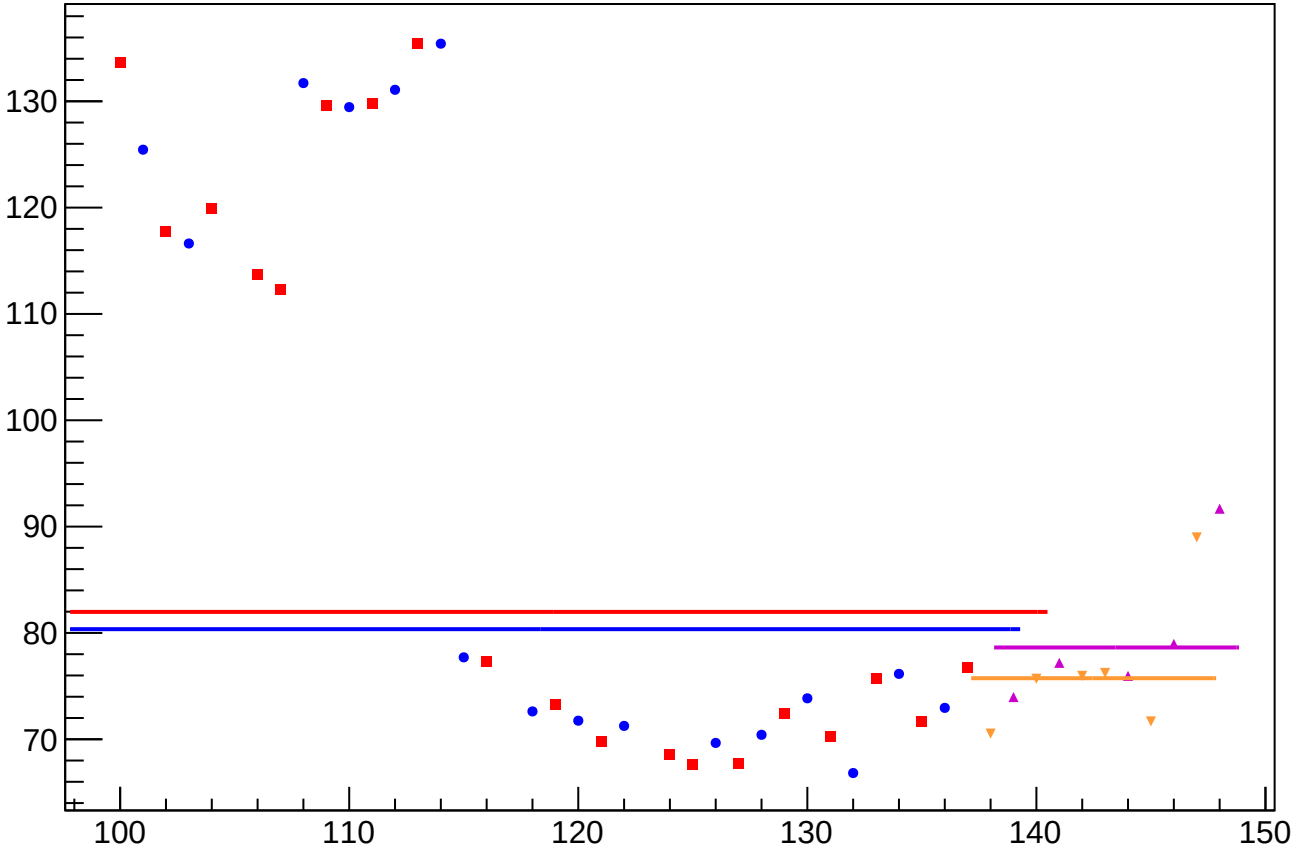
Left In: 151.848+/-37.762 χ^2/NDF:5.8/4

\+ sign -16.586+/-23.331 χ^2/NDF: 25.7/21

All: 15.672+/-16.725 χ^2/NDF: 73.4/45

\- sign 49.773+/-23.988 χ^2/NDF: 43.8/23

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

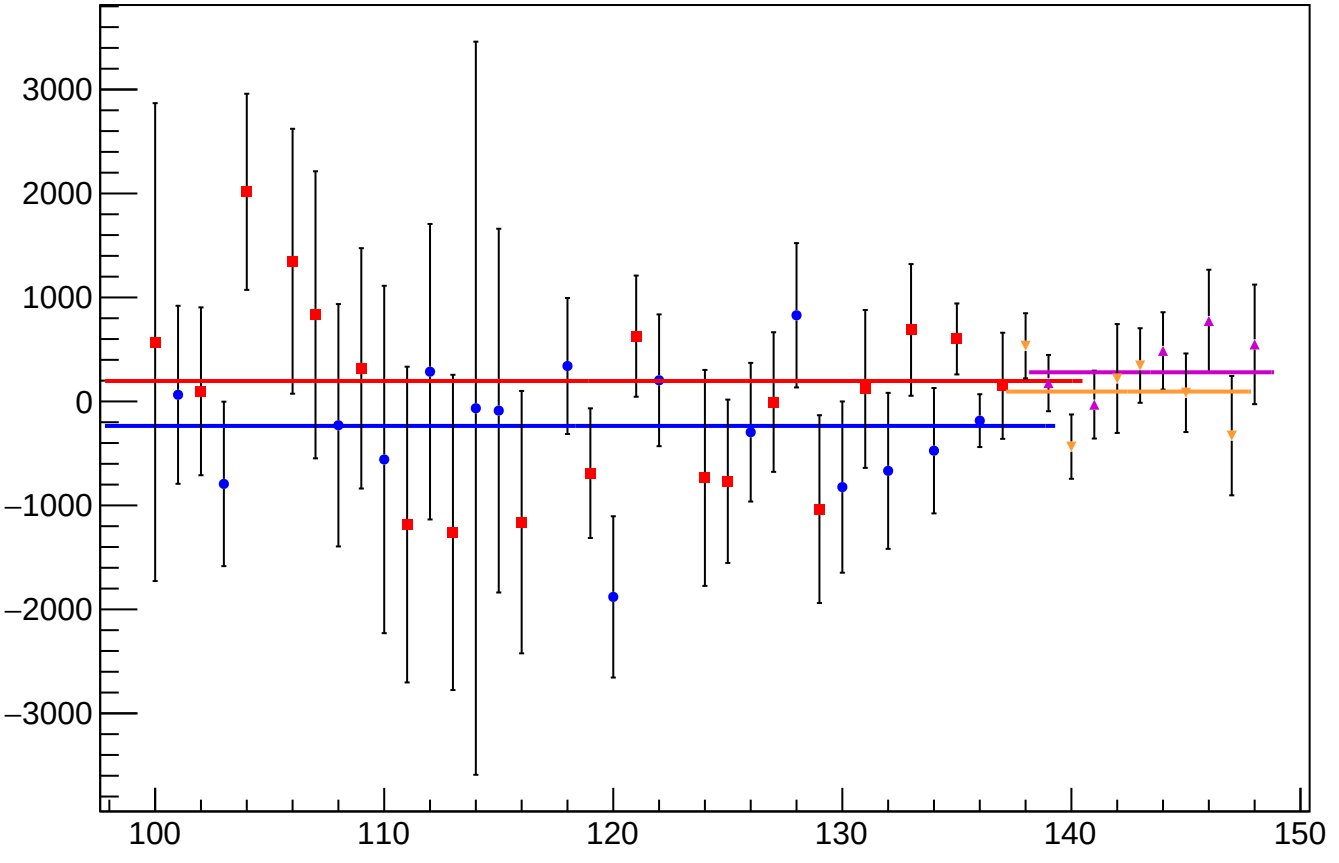
Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.390+/-0.016 χ^2/NDF: 909480.9/21

All: 79.478+/-0.012 χ^2/NDF: 1901867.5/45

- sign 80.628+/-0.017 χ^2/NDF: 983439.3/23

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

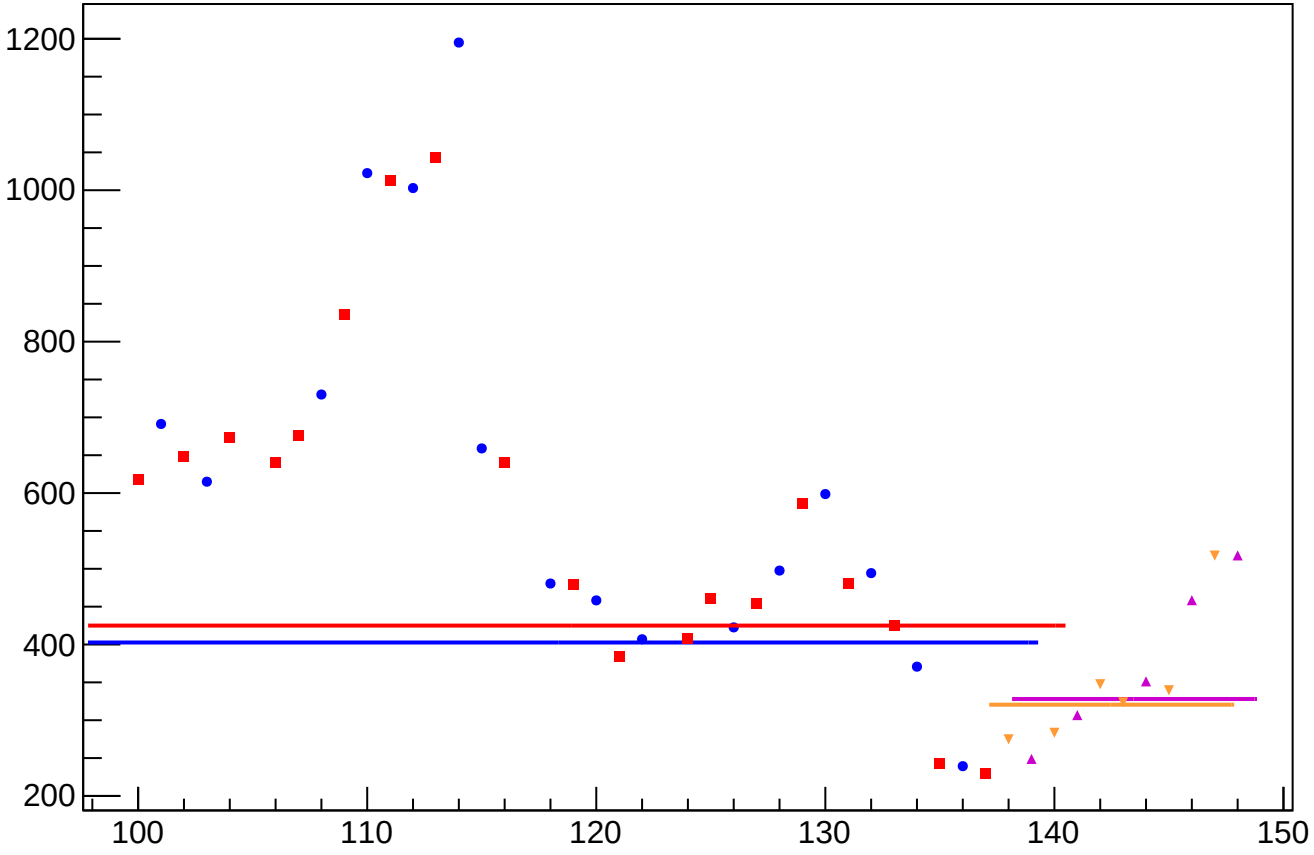
Left In: 280.242+/-163.490 χ^2/NDF:2.6/4

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 82.376+/-81.323 χ^2/NDF: 40.8/45

- sign 240.164+/-118.003 χ^2/NDF: 19.3/23

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

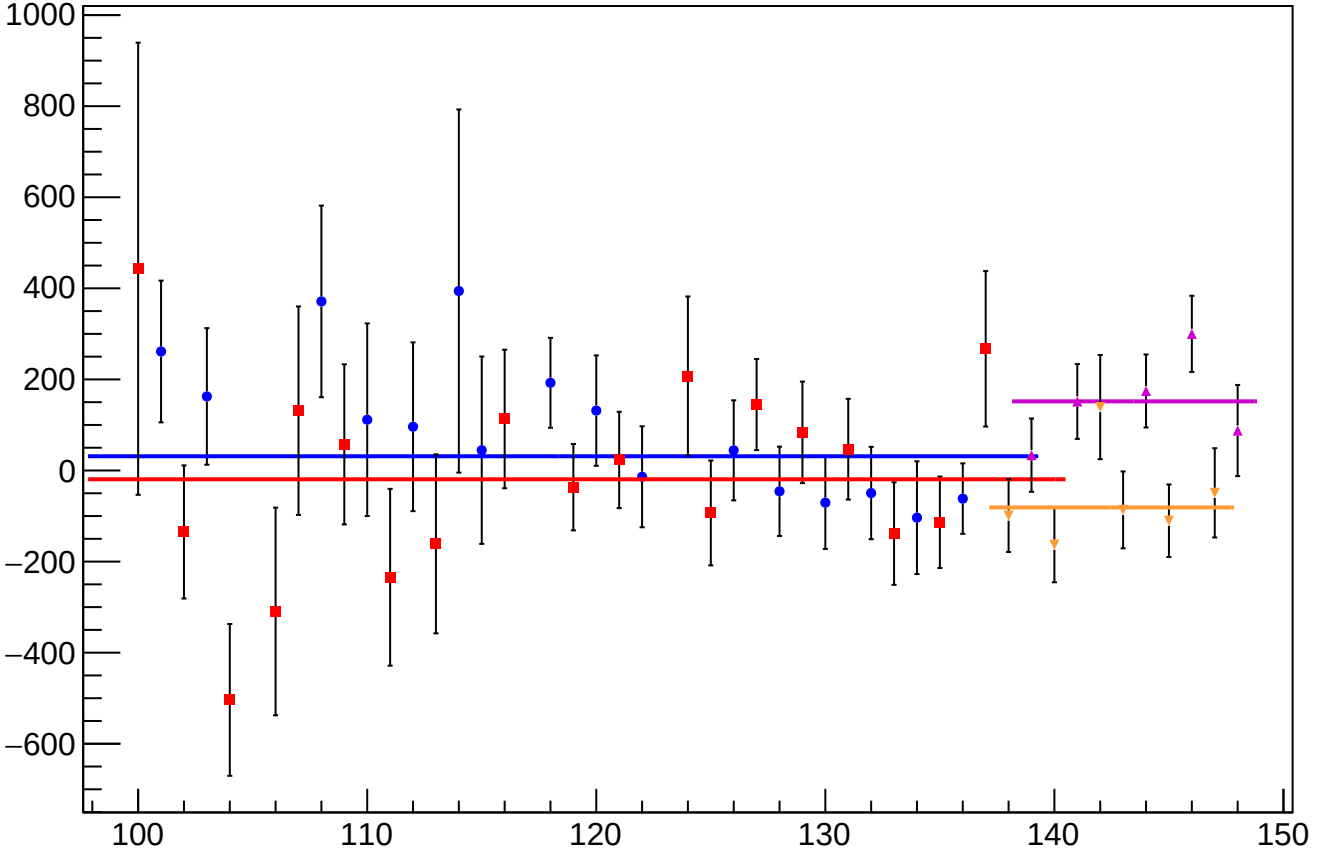
Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

+ sign 359.101+/-0.079 χ^2/NDF: 2944230.8/21

All: 366.413+/-0.058 χ^2/NDF: 6184931.5/45

- sign 374.497+/-0.083 χ^2/NDF: 3222826.6/23

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

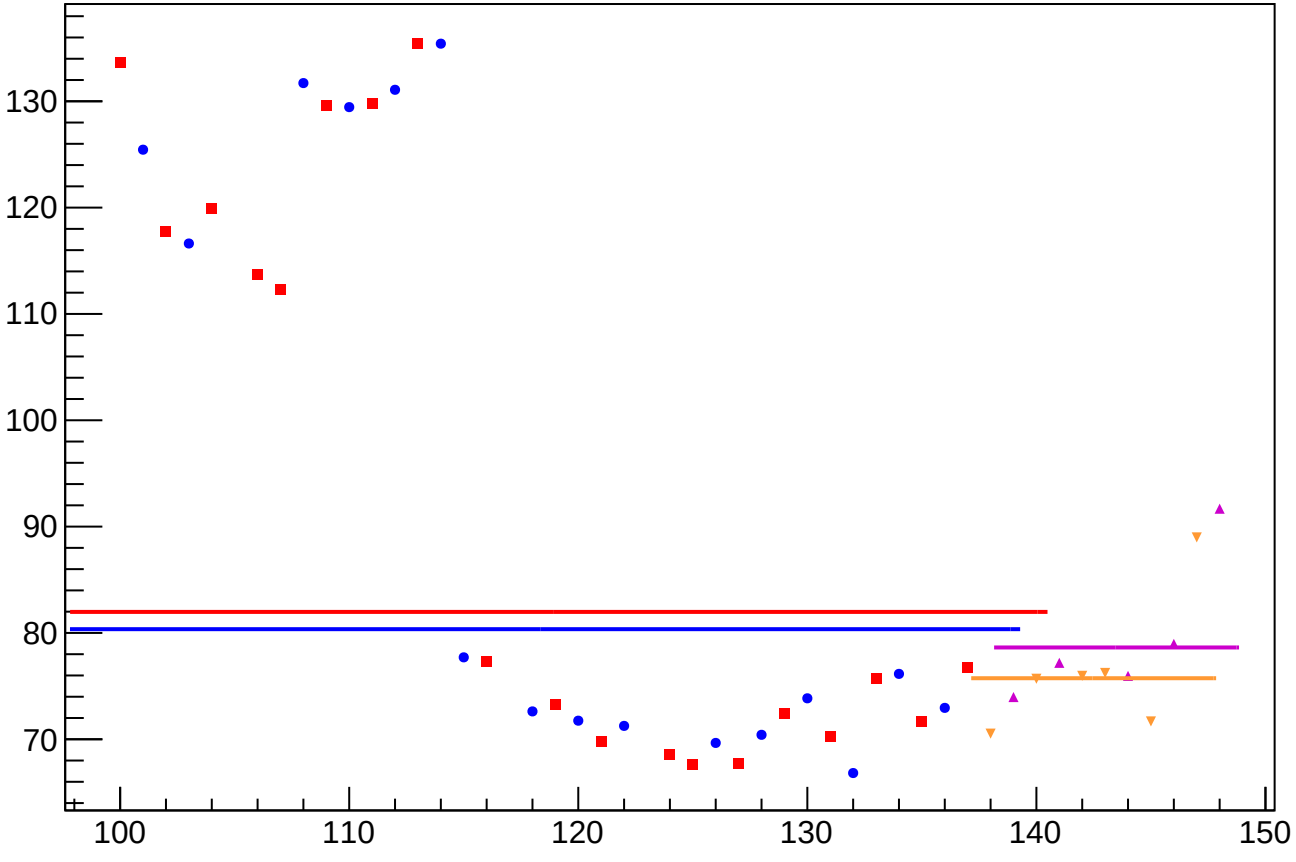
Left In: 151.848+/-37.762 χ^2/NDF:5.8/4

+ sign -16.586+/-23.331 χ^2/NDF: 25.7/21

All: 15.672+/-16.725 χ^2/NDF: 73.4/45

- sign 49.773+/-23.988 χ^2/NDF: 43.8/23

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

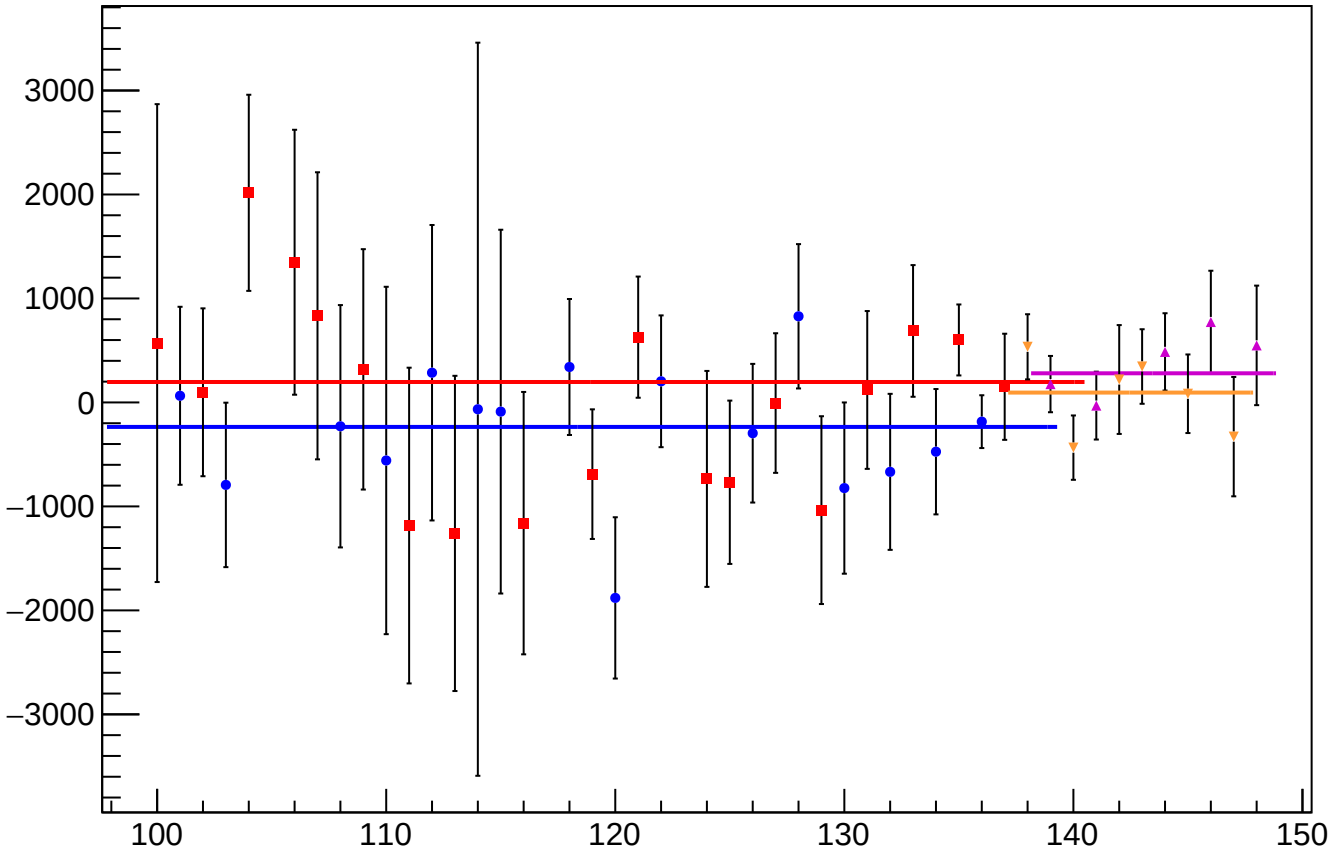
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.390+/-0.016 χ^2/NDF: 909480.9/21

All: 79.478+/-0.012 χ^2/NDF: 1901867.5/45

- sign 80.628+/-0.017 χ^2/NDF: 983439.3/23



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

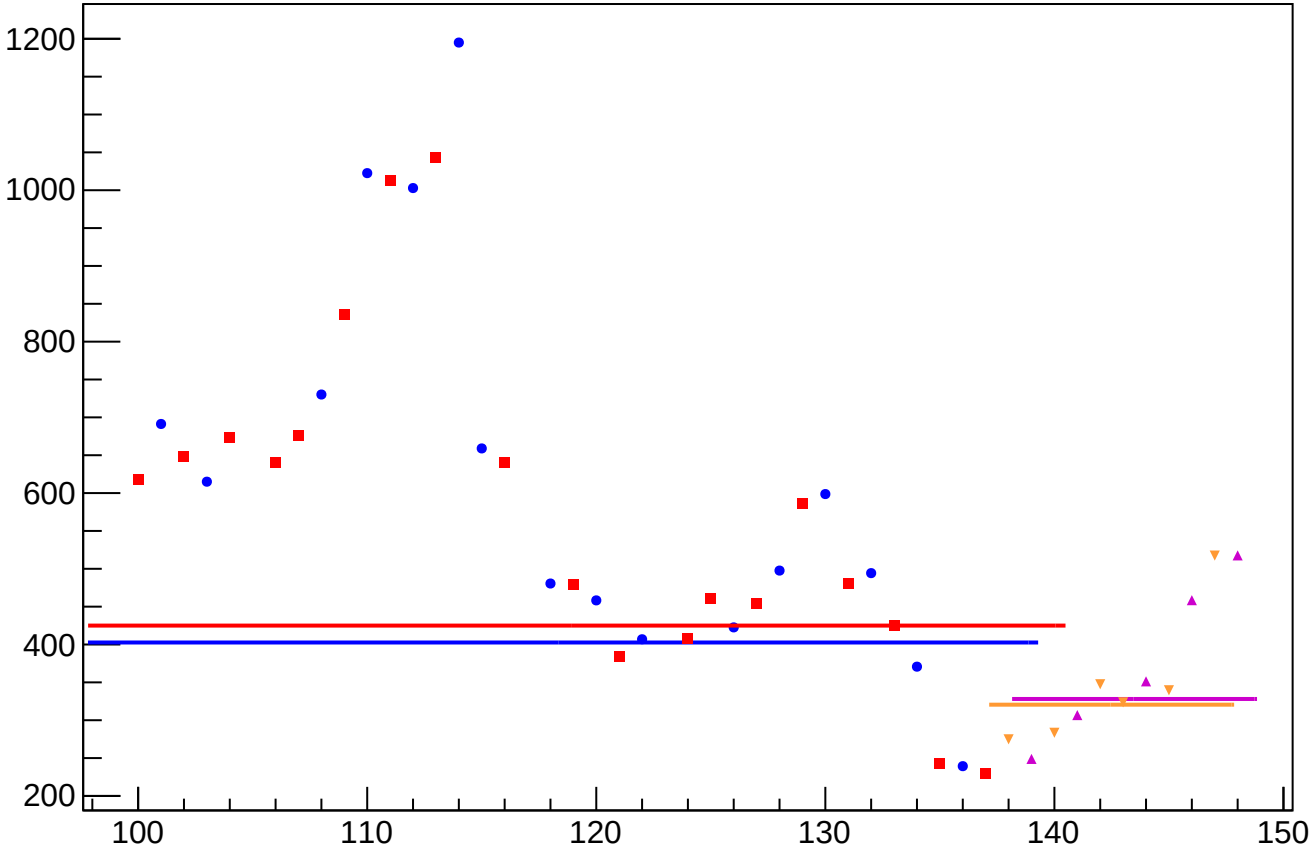
Left In: 280.242+/-163.490 χ^2/NDF:2.6/4

+ sign -60.356+/-112.232 χ^2/NDF: 18.1/21

All: 82.376+/-81.323 χ^2/NDF: 40.8/45

- sign 240.164+/-118.003 χ^2/NDF: 19.3/23

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

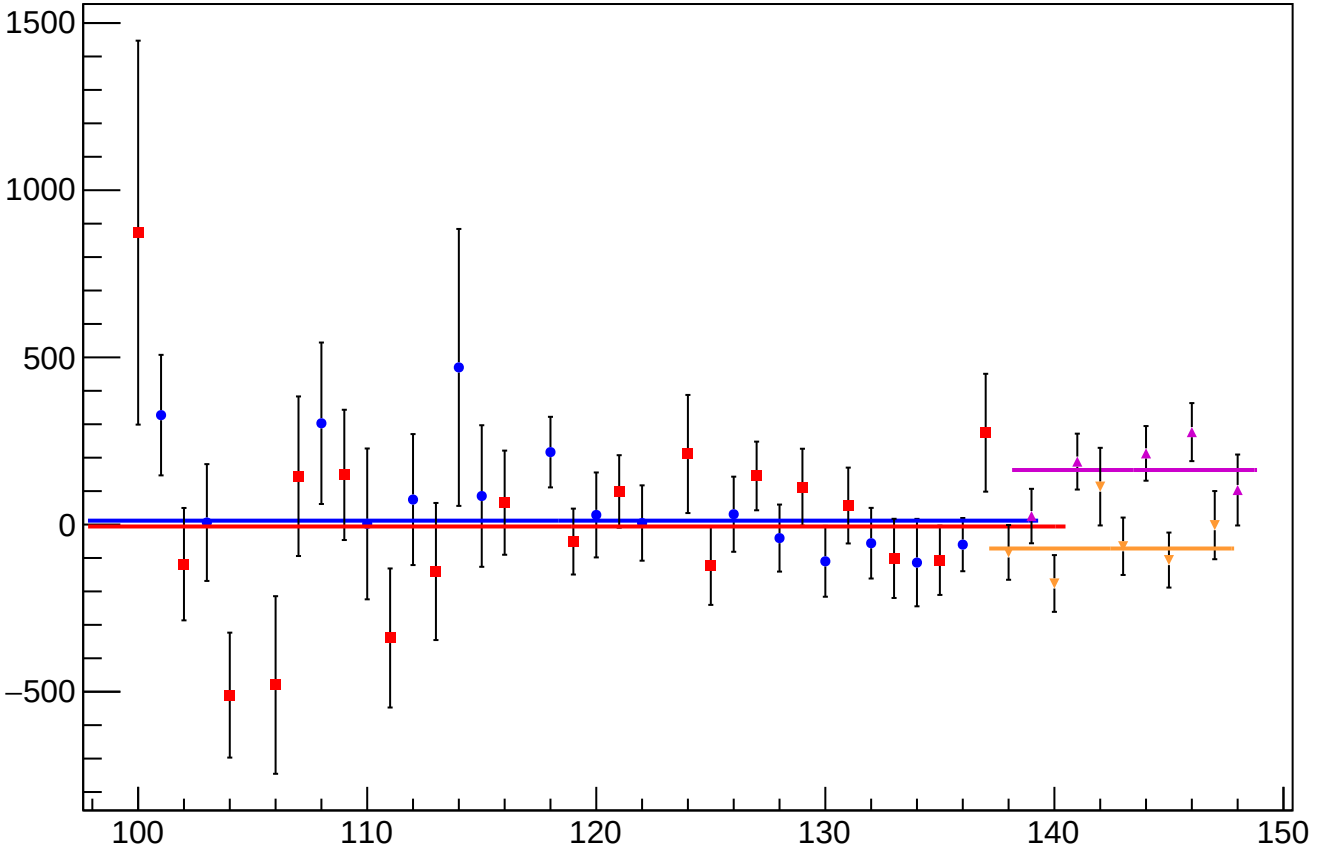
Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

+ sign 359.101+/-0.079 χ^2/NDF: 2944230.8/21

All: 366.413+/-0.058 χ^2/NDF: 6184931.5/45

- sign 374.497+/-0.083 χ^2/NDF: 3222826.6/23

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

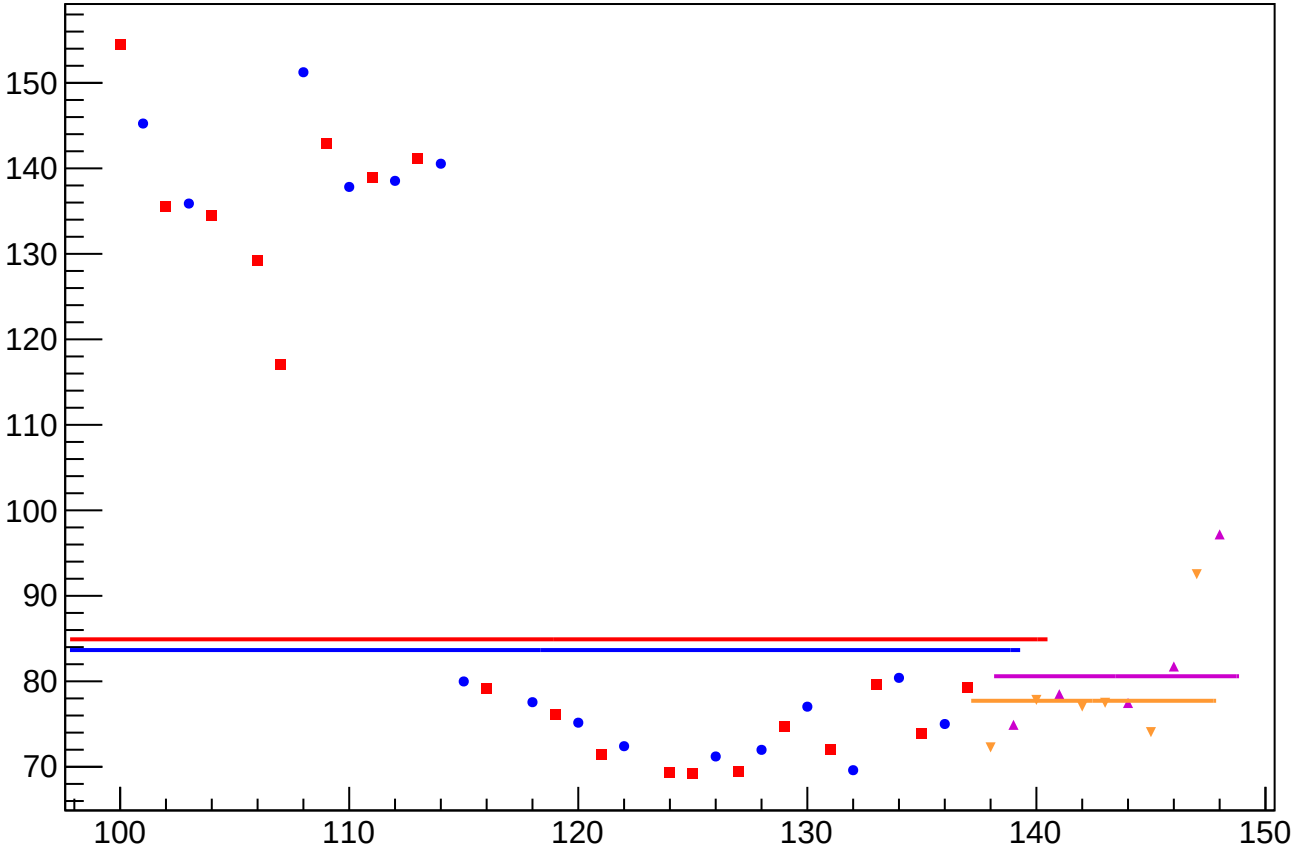
Left In: 163.152+/-38.772 χ^2/NDF:5.3/4

+ sign -24.693+/-24.250 χ^2/NDF: 21.2/21

All: 18.401+/-17.366 χ^2/NDF: 72.9/45

- sign 63.771+/-24.882 χ^2/NDF: 45.3/23

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

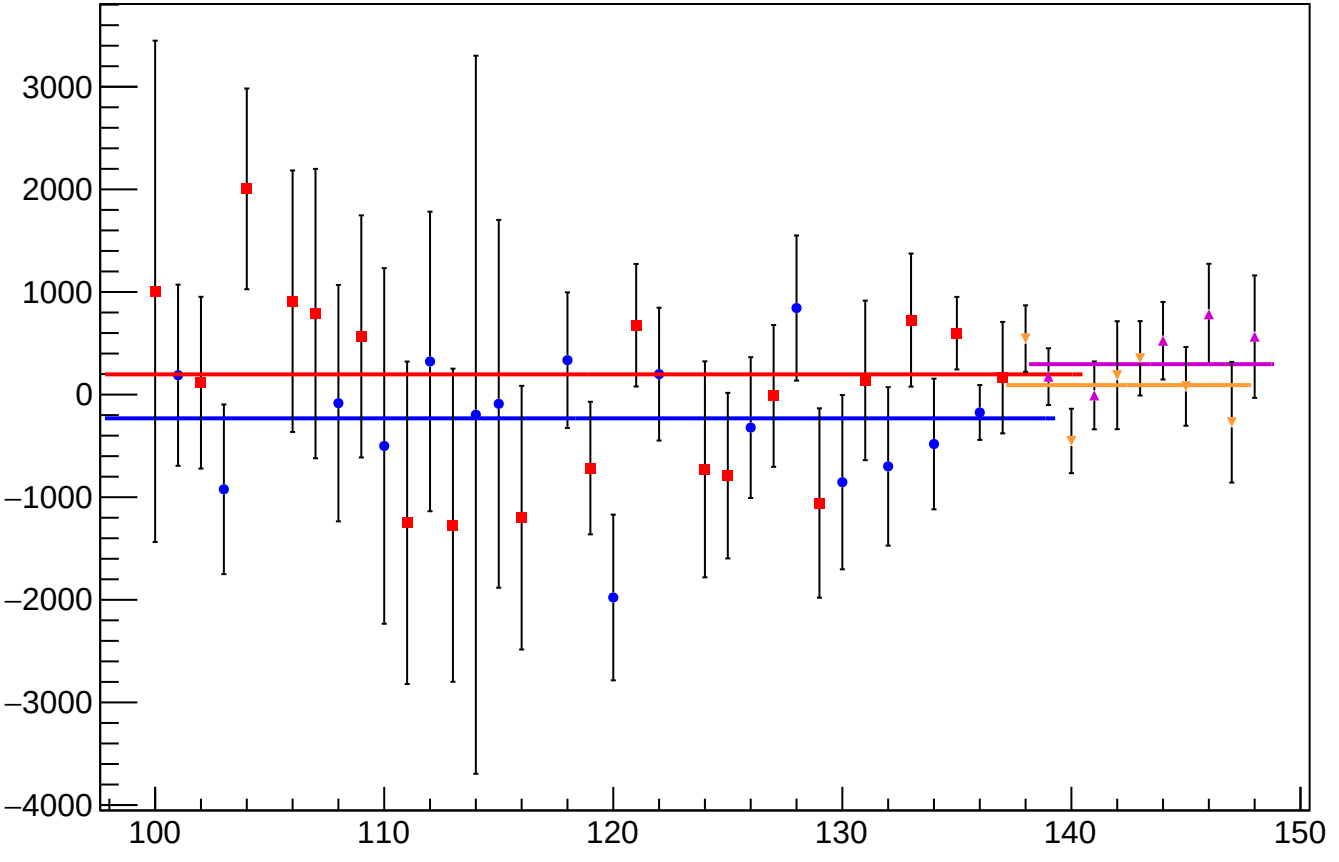
Left In: 80.594+/-0.027 χ^2/NDF:63187.9/4

+ sign 81.069+/-0.017 χ^2/NDF: 1119339.1/21

All: 82.075+/-0.012 χ^2/NDF: 2325860.2/45

- sign 83.134+/-0.018 χ^2/NDF: 1199451.7/23

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

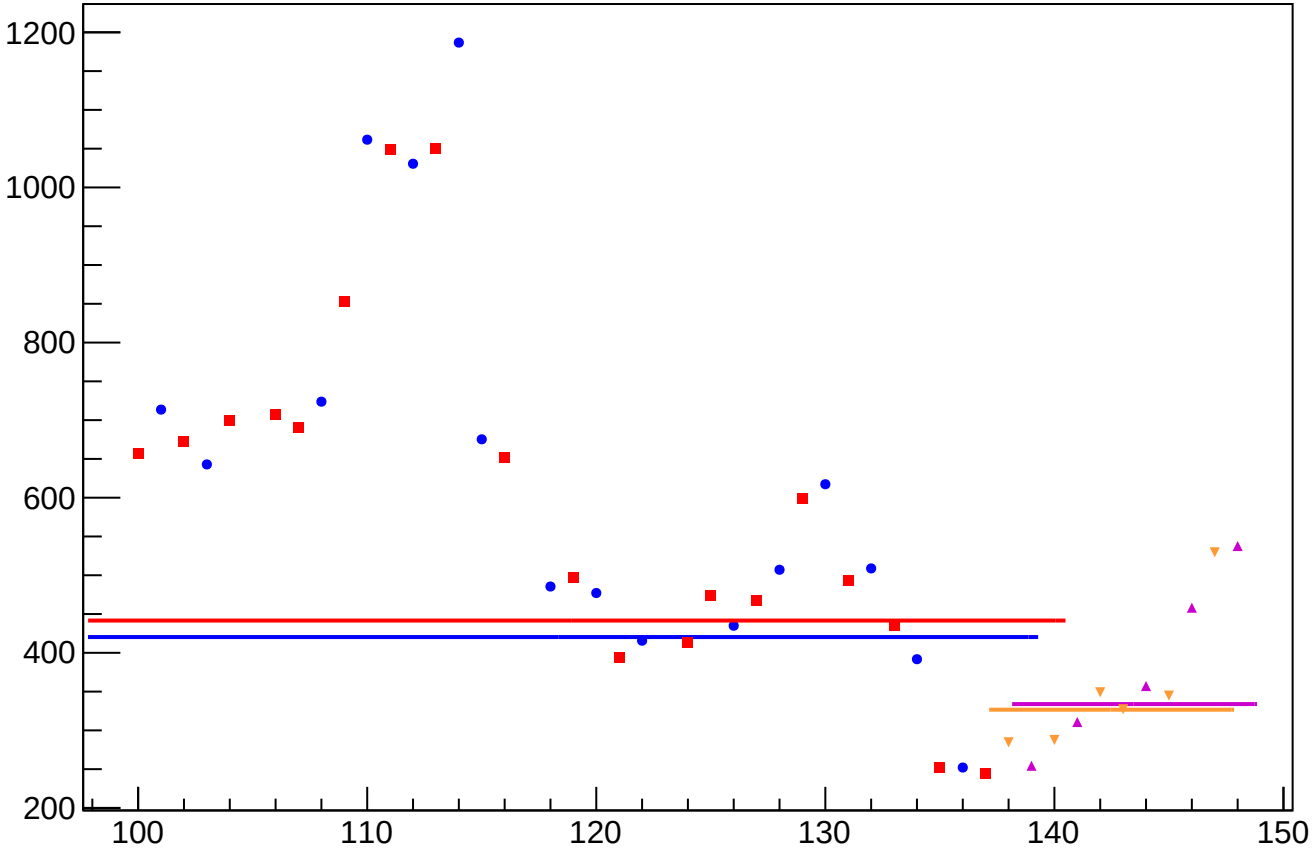
Left In: 296.369+/-166.266 χ^2/NDF:2.6/4

+ sign -56.456+/-115.369 χ^2/NDF: 18.3/21

All: 89.436+/-83.462 χ^2/NDF: 40.3/45

- sign 249.631+/-120.892 χ^2/NDF: 18.7/23

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

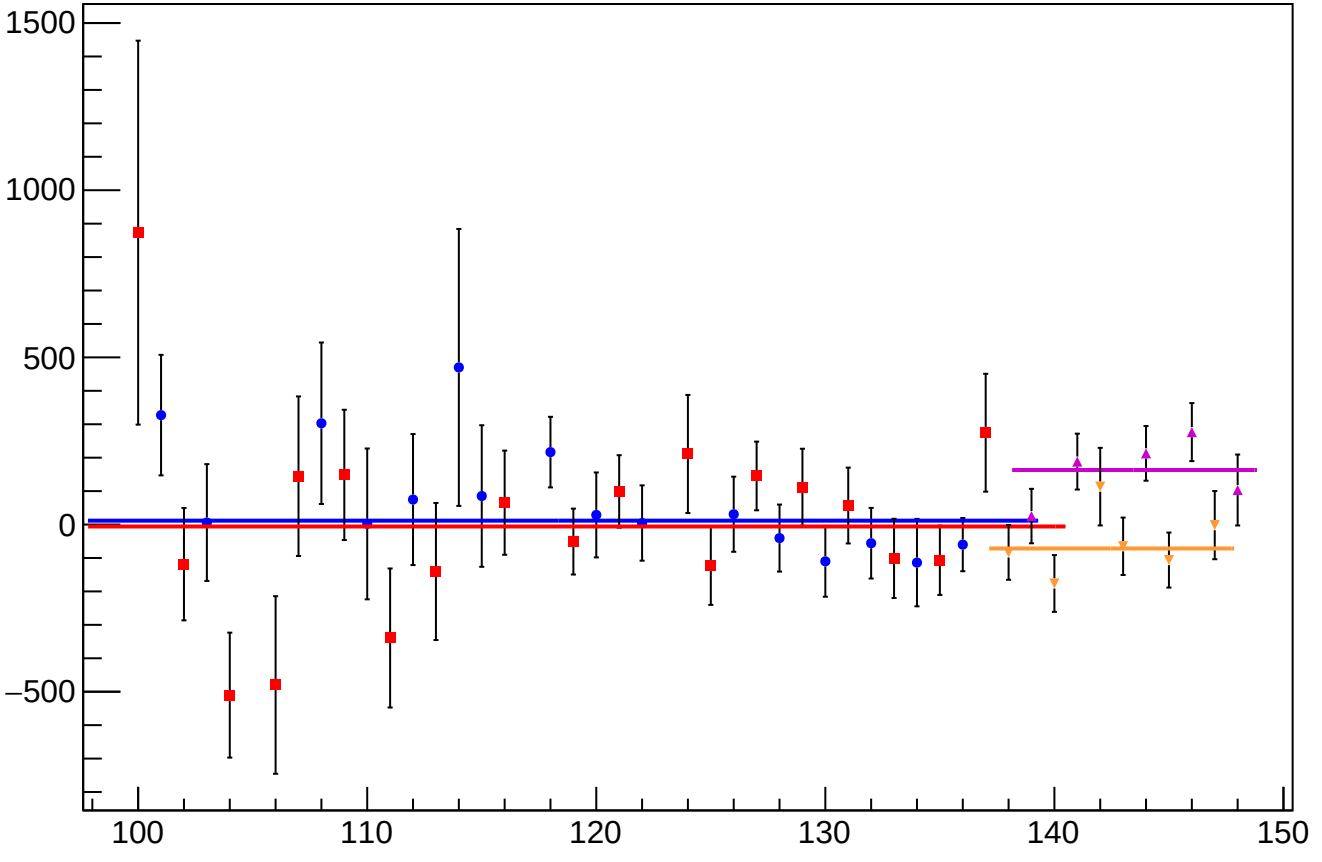
Left In: 333.921+/-0.118 χ^2/NDF:543822.7/4

+ sign 369.729+/-0.082 χ^2/NDF: 2893220.5/21

All: 376.851+/-0.059 χ^2/NDF: 6155978.5/45

- sign 384.672+/-0.085 χ^2/NDF: 3246767.0/23

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

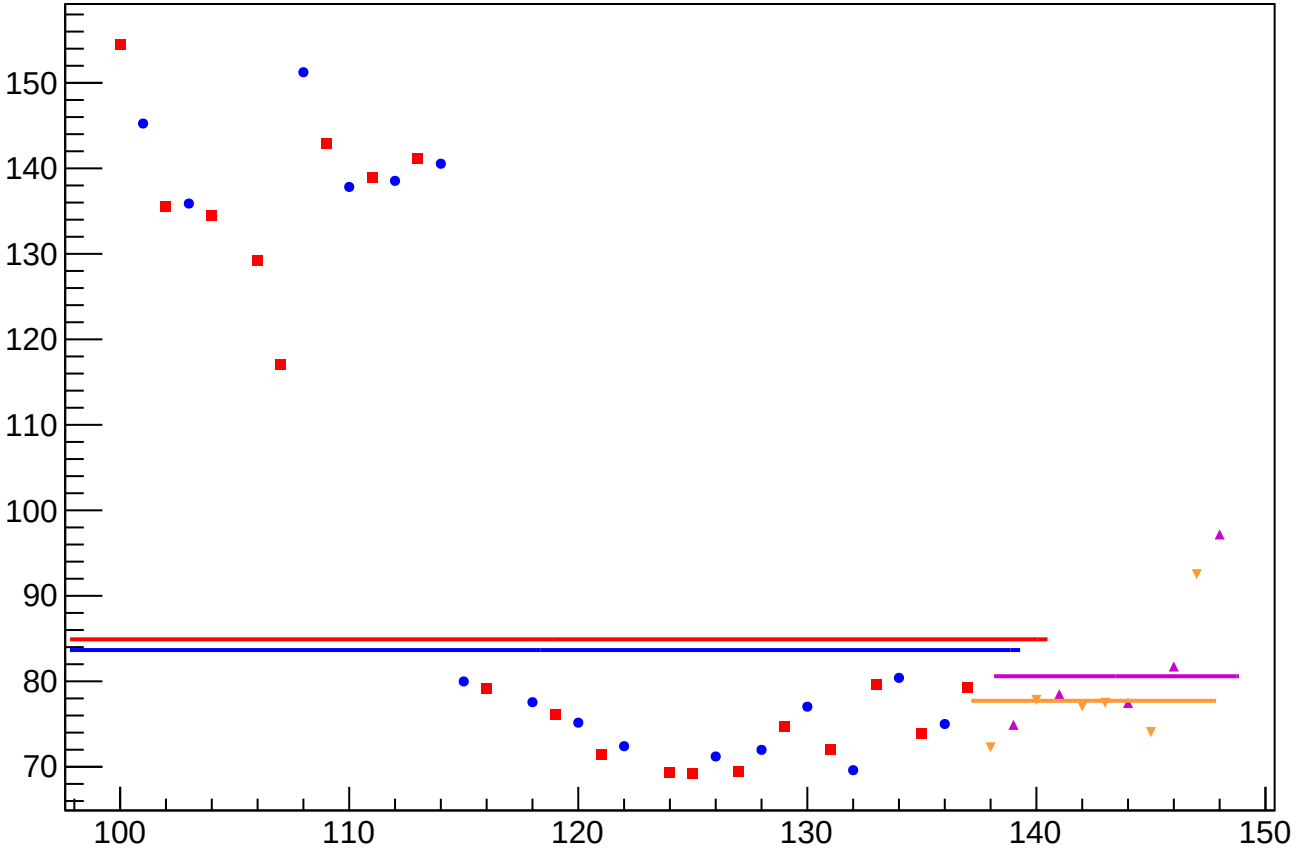
Left In: 163.151+/-38.772 χ^2/NDF:5.3/4

+ sign -24.693+/-24.250 χ^2/NDF: 21.2/21

All: 18.401+/-17.366 χ^2/NDF: 72.9/45

- sign 63.771+/-24.882 χ^2/NDF: 45.3/23

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

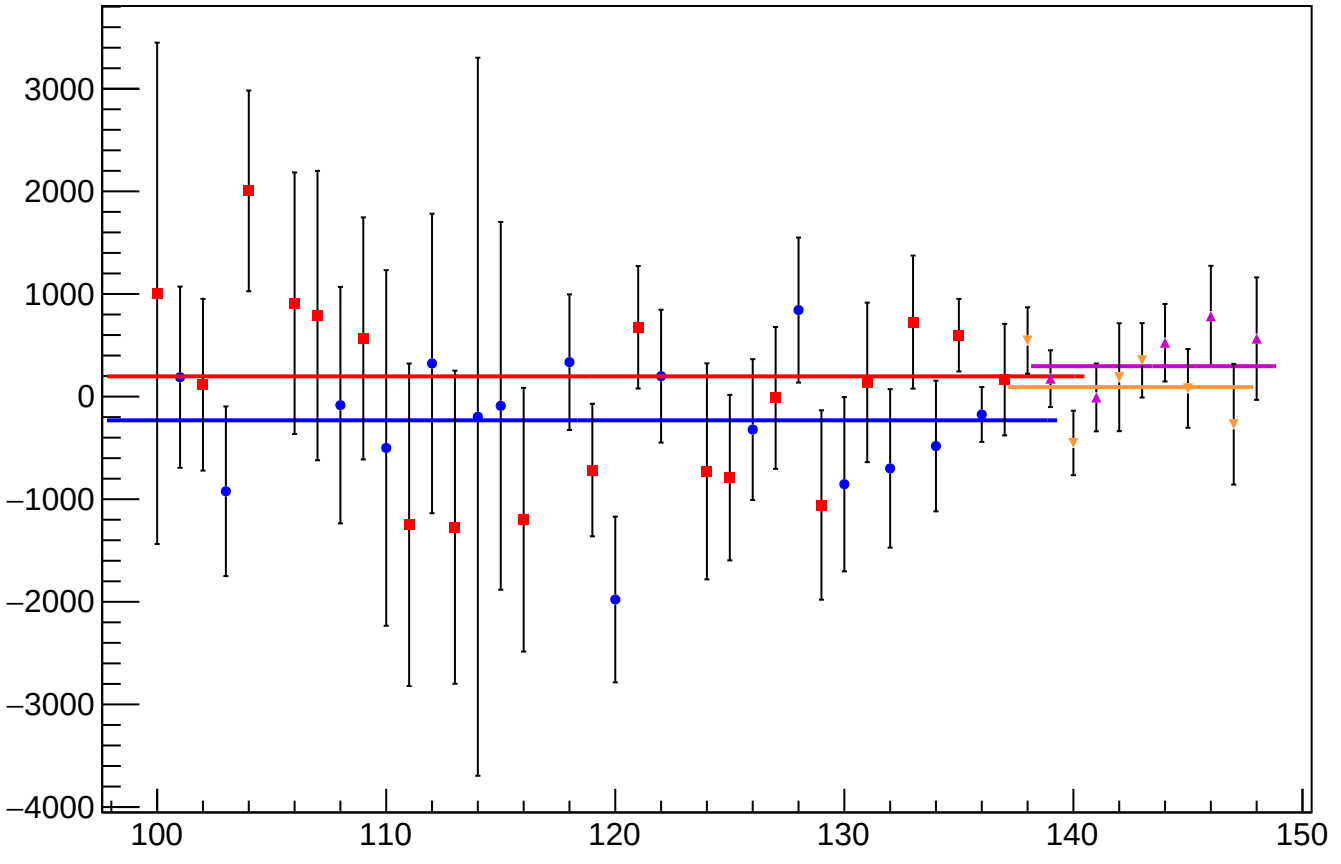
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 80.594+/-0.027 χ^2/NDF:63187.2/4

+ sign 81.069+/-0.017 χ^2/NDF: 1119337.7/21

All: 82.075+/-0.012 χ^2/NDF: 2325856.7/45

- sign 83.134+/-0.018 χ^2/NDF: 1199449.6/23



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

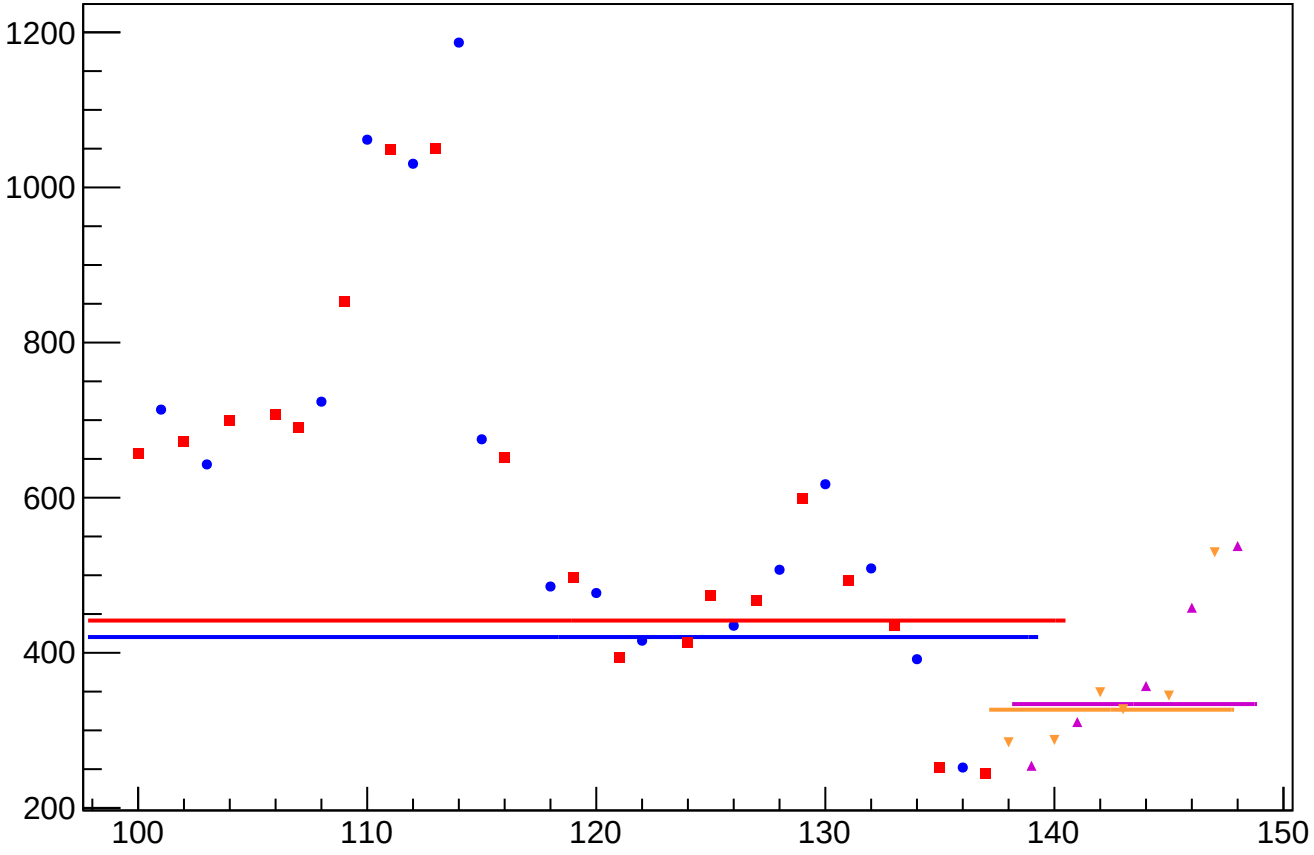
Left In: 296.369+/-166.266 χ^2/NDF:2.6/4

+ sign -56.455+/-115.369 χ^2/NDF: 18.3/21

All: 89.436+/-83.462 χ^2/NDF: 40.3/45

- sign 249.631+/-120.892 χ^2/NDF: 18.7/23

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

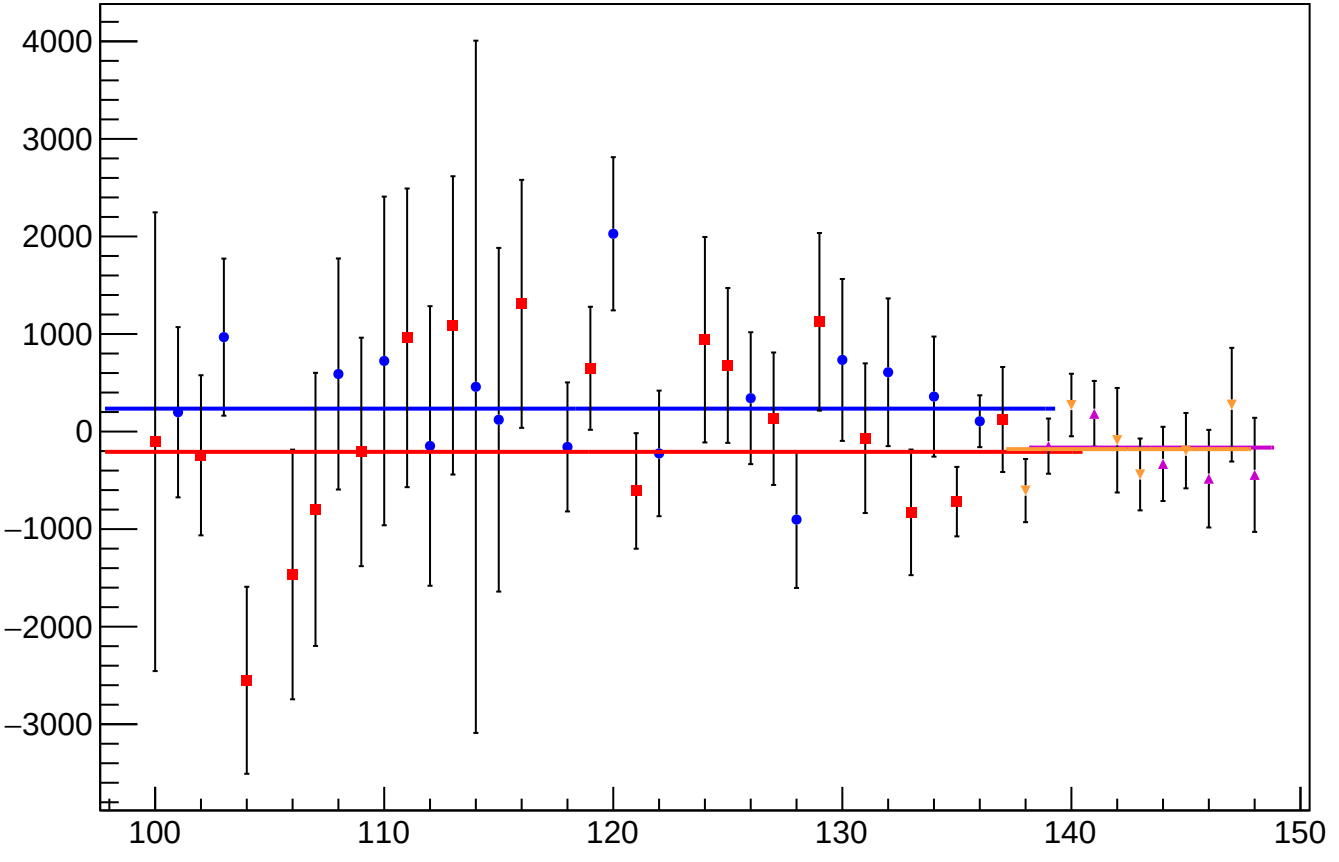
Left In: 333.920+/-0.118 χ^2/NDF:543823.2/4

+ sign 369.729+/-0.082 χ^2/NDF: 2893223.5/21

All: 376.851+/-0.059 χ^2/NDF: 6155985.7/45

- sign 384.671+/-0.085 χ^2/NDF: 3246771.3/23

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

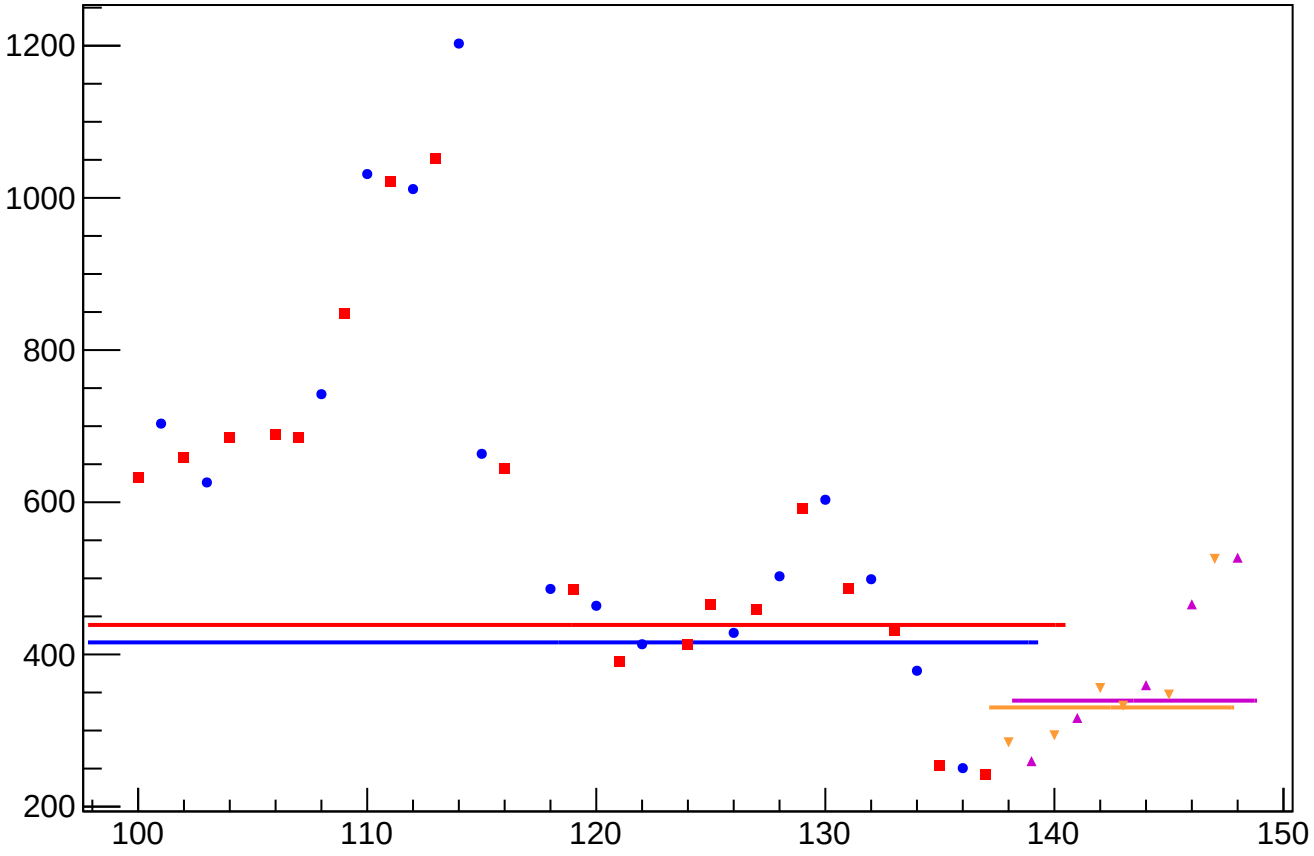
Left In: -164.270+/-168.621 χ^2/NDF:1.9/4

\+ sign 15.257+/-115.394 χ^2/NDF: 18.8/21

All: -80.009+/-83.616 χ^2/NDF: 42.5/45

\- sign -185.328+/-121.330 χ^2/NDF: 22.3/23

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

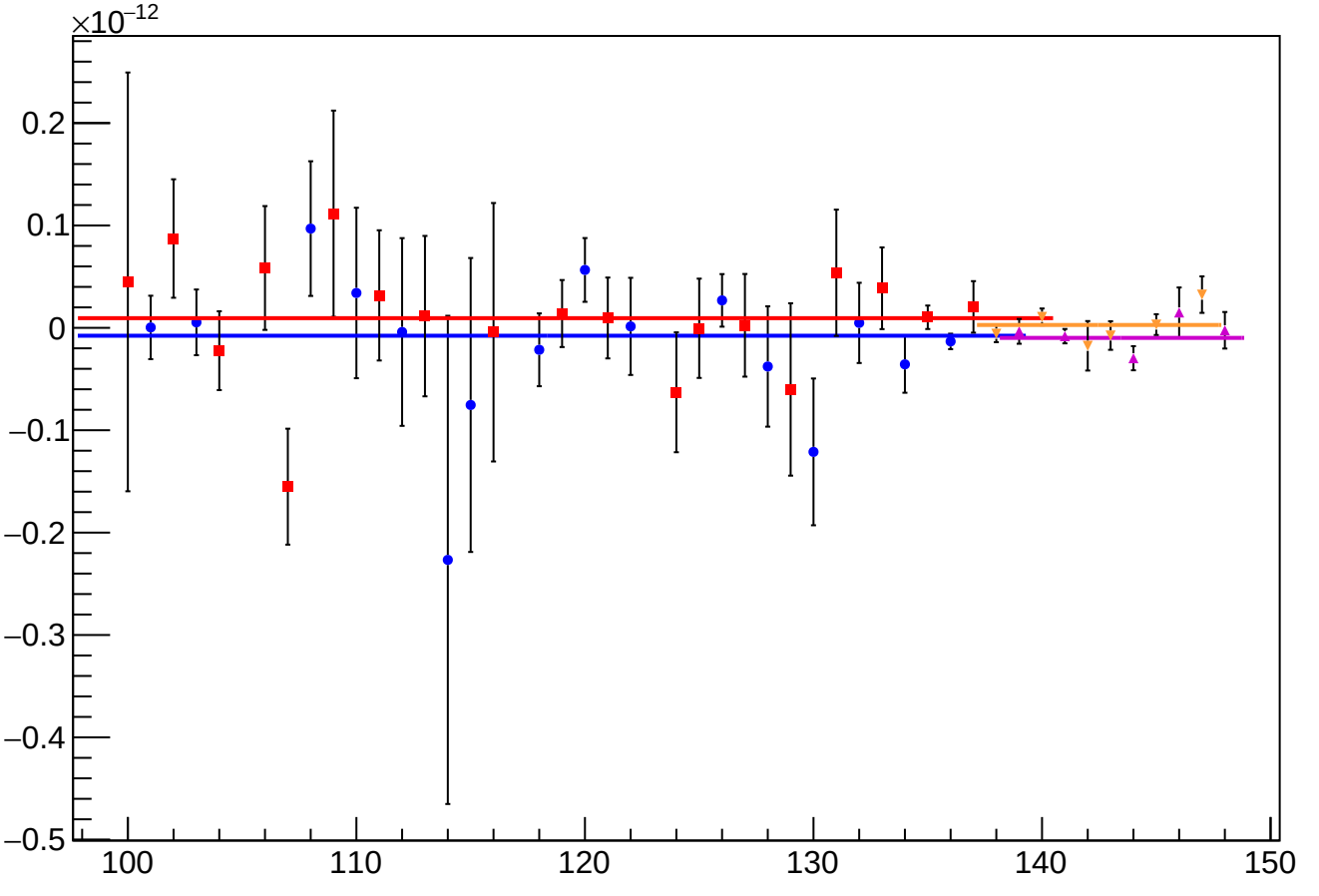
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.301+/-0.119 χ^2/NDF:507501.1/4

+ sign 370.581+/-0.082 χ^2/NDF: 2796681.1/21

All: 378.508+/-0.059 χ^2/NDF: 5894482.6/45

- sign 387.271+/-0.086 χ^2/NDF: 3077928.8/23



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

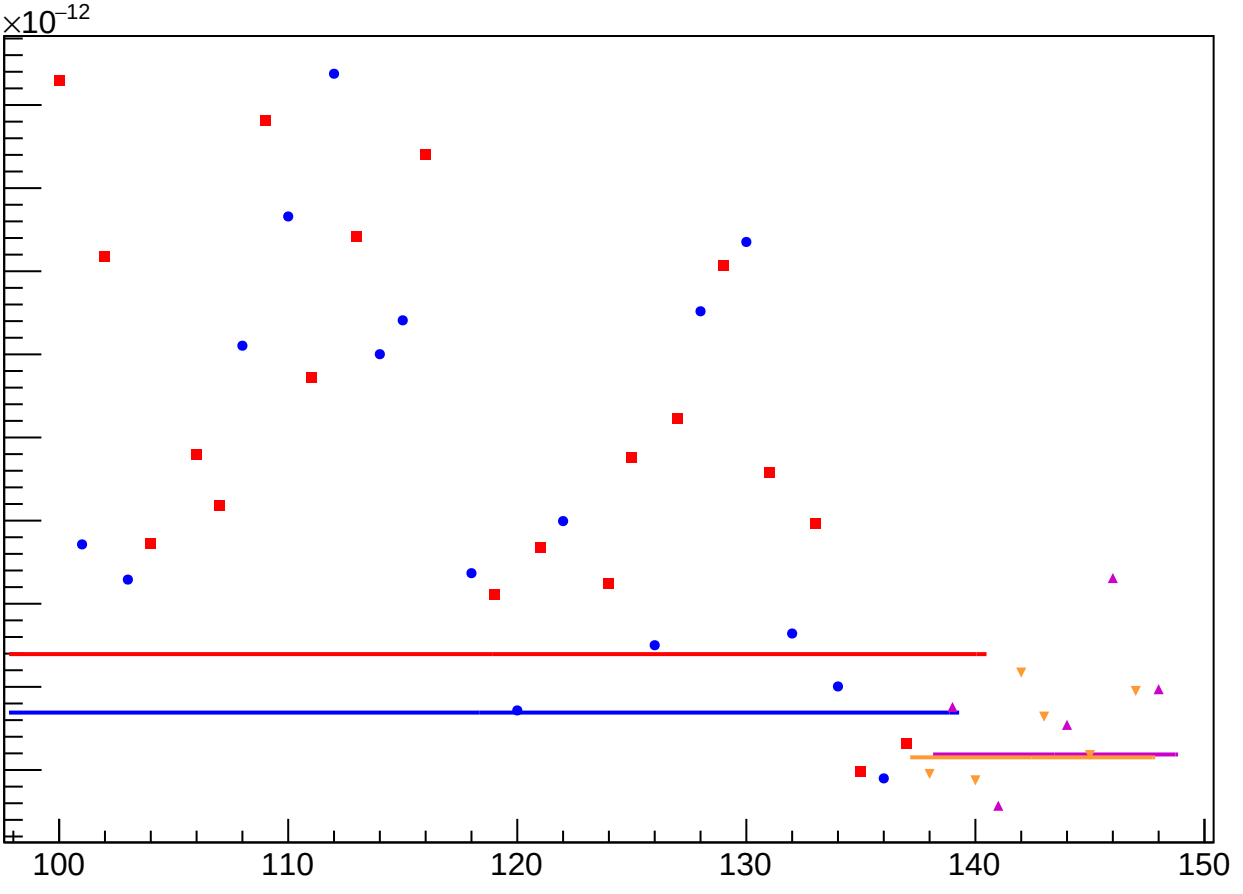
Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/21

All: -0.000+/-0.000 χ^2/NDF: 47.8/45

- sign -0.000+/-0.000 χ^2/NDF: 24.7/23

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

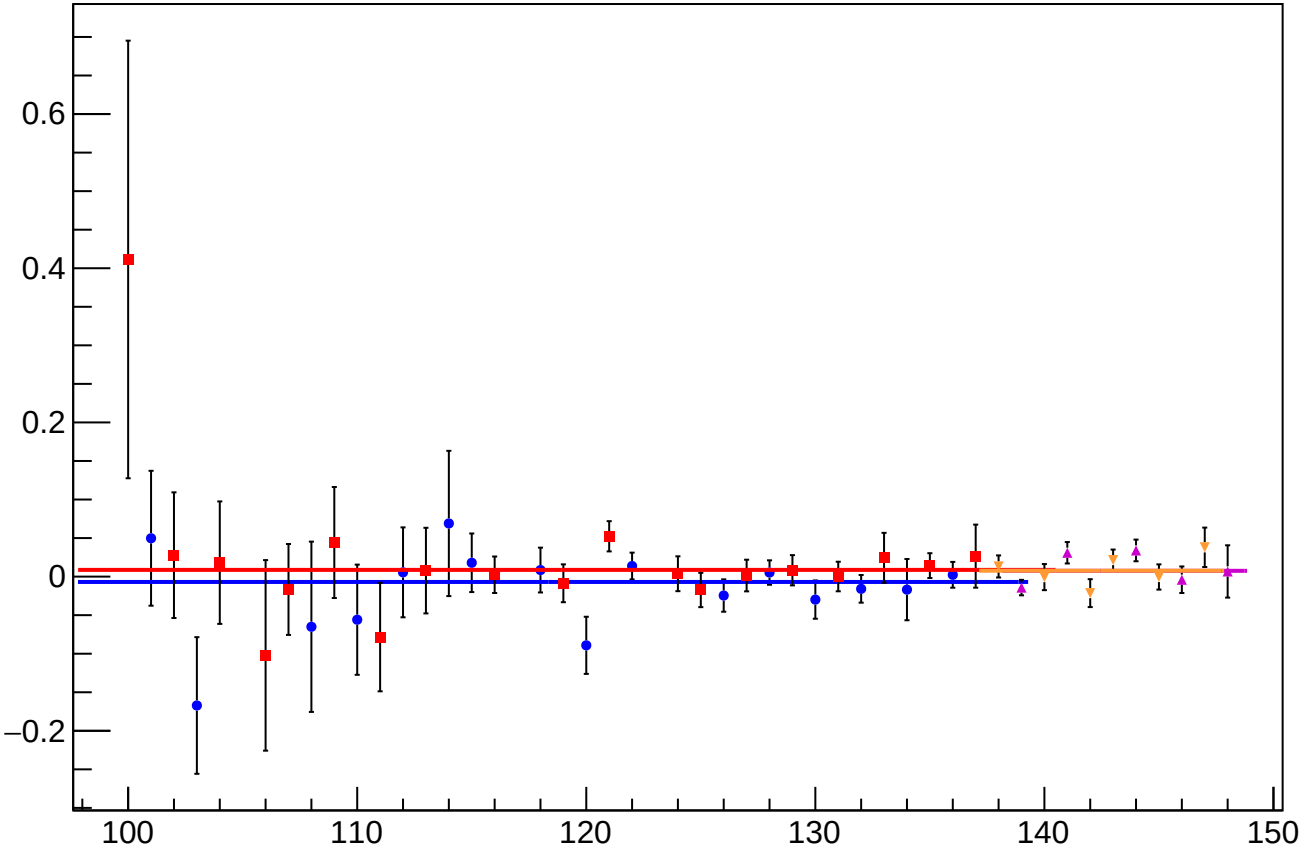
Left In: 0.000+/-0.000 χ^2/NDF:1017916.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3341850.8/21

All: 0.000+/-0.000 χ^2/NDF: 7964017.3/45

- sign 0.000+/-0.000 χ^2/NDF: 4569889.9/23

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

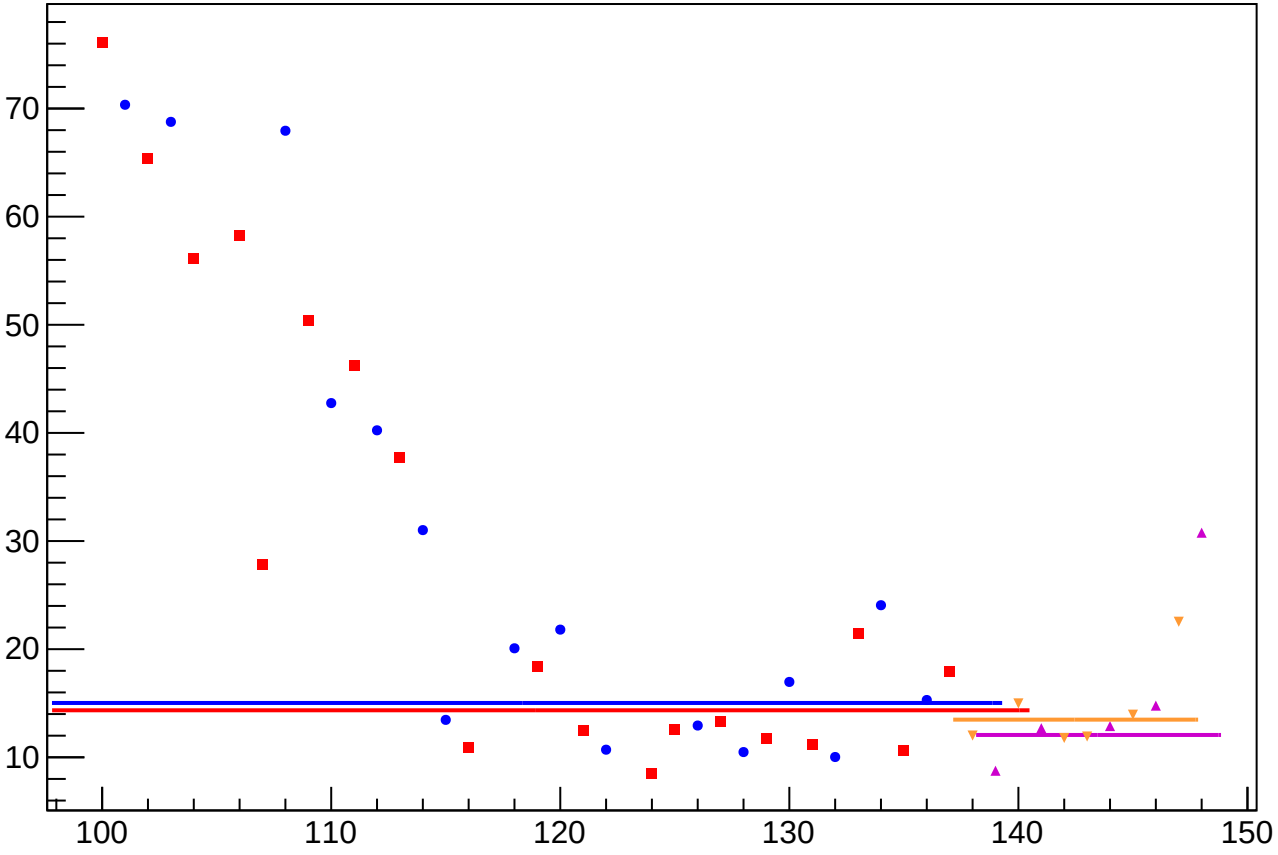
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/45

- sign 0.008+/-0.005 χ^2/NDF: 24.2/23

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

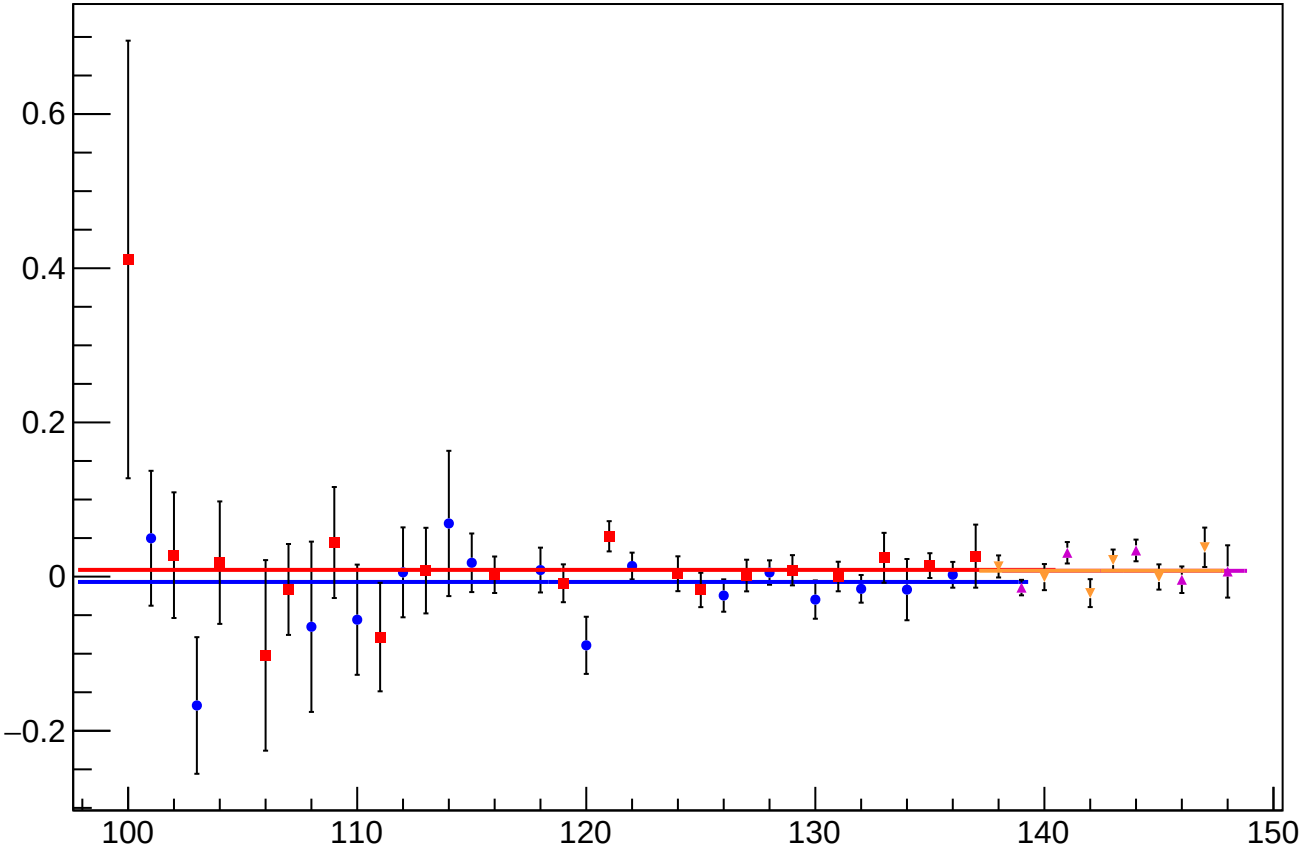
Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

+ sign 14.254+/-0.003 χ^2/NDF: 3823525.7/21

All: 13.705+/-0.002 χ^2/NDF: 8516136.8/45

- sign 13.210+/-0.003 χ^2/NDF: 4642020.9/23

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

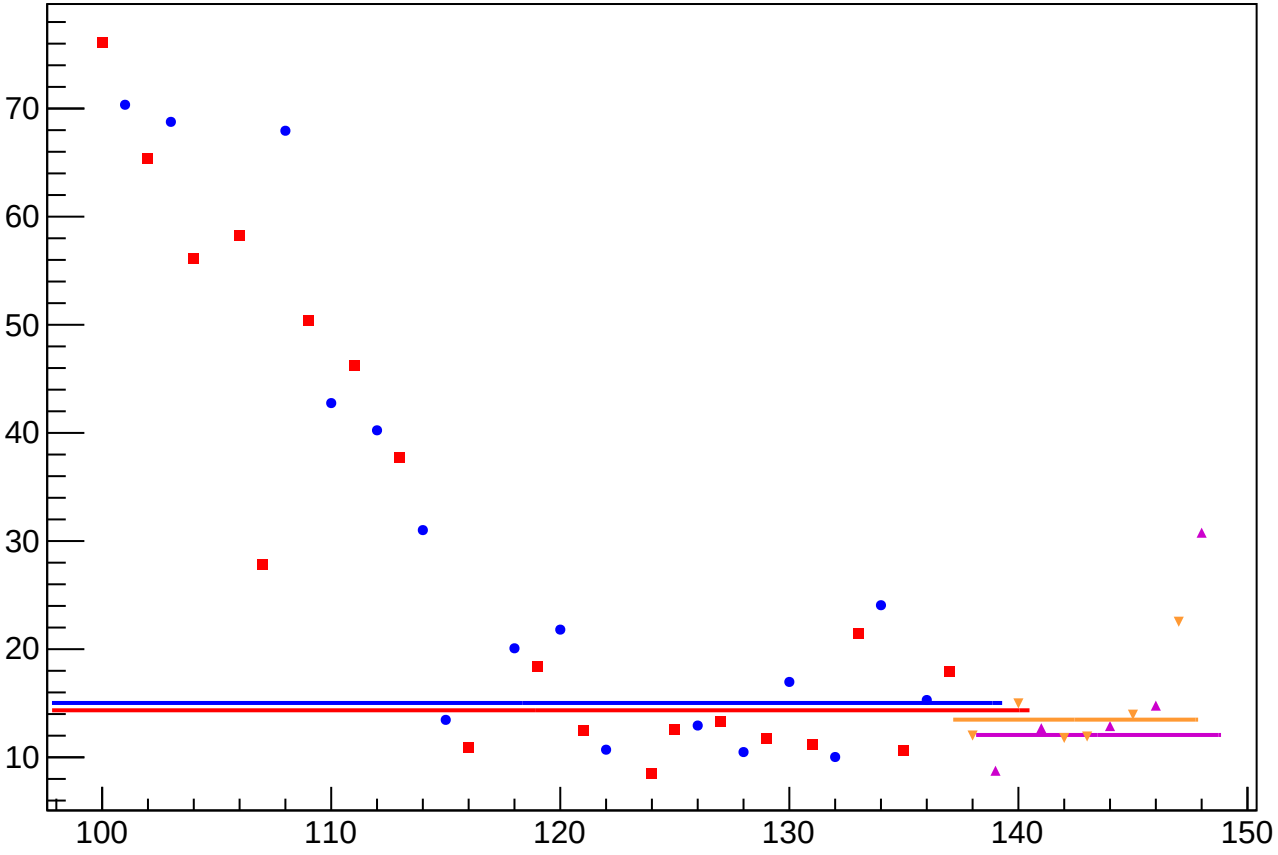
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/45

- sign 0.008+/-0.005 χ^2/NDF: 24.2/23

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

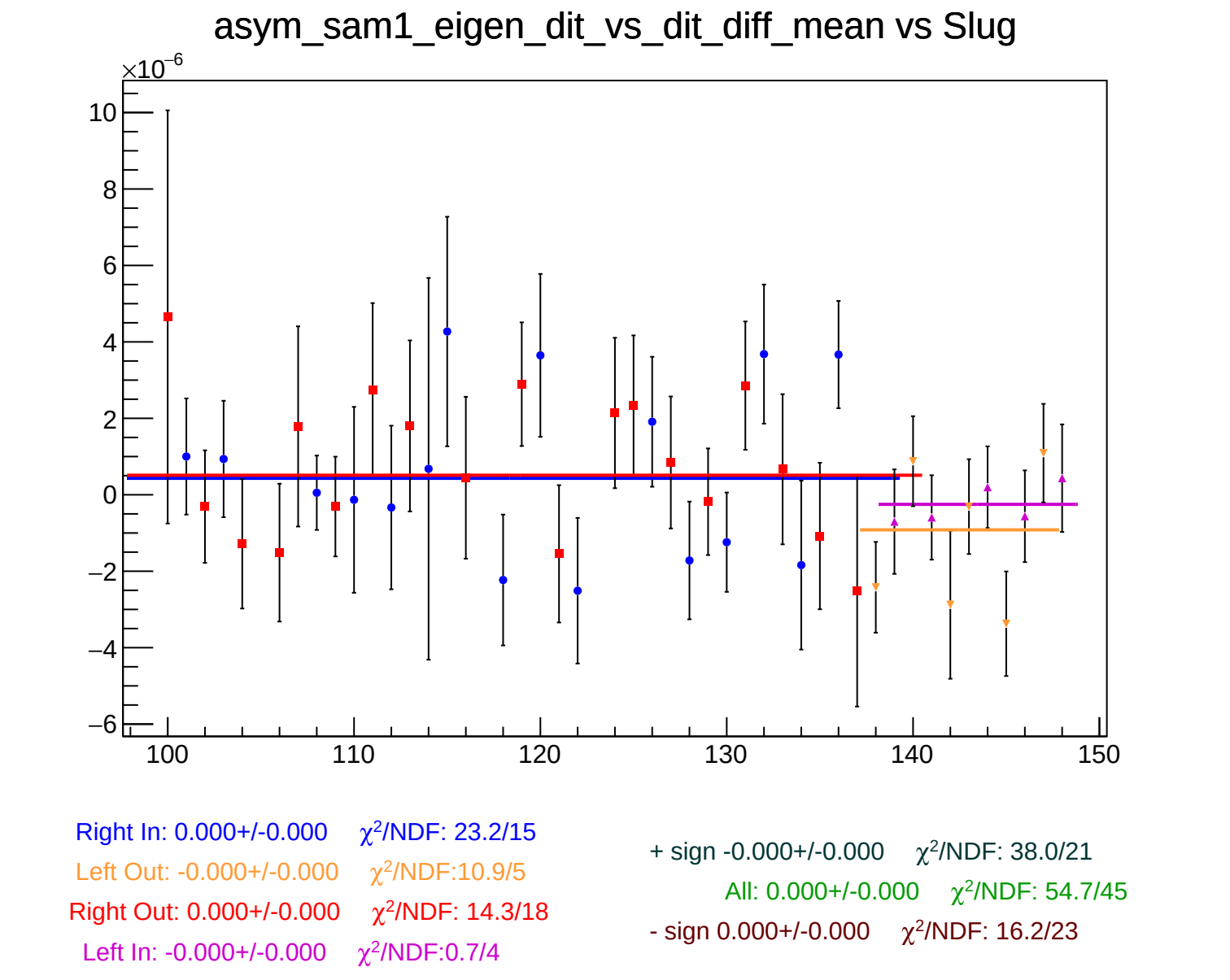
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

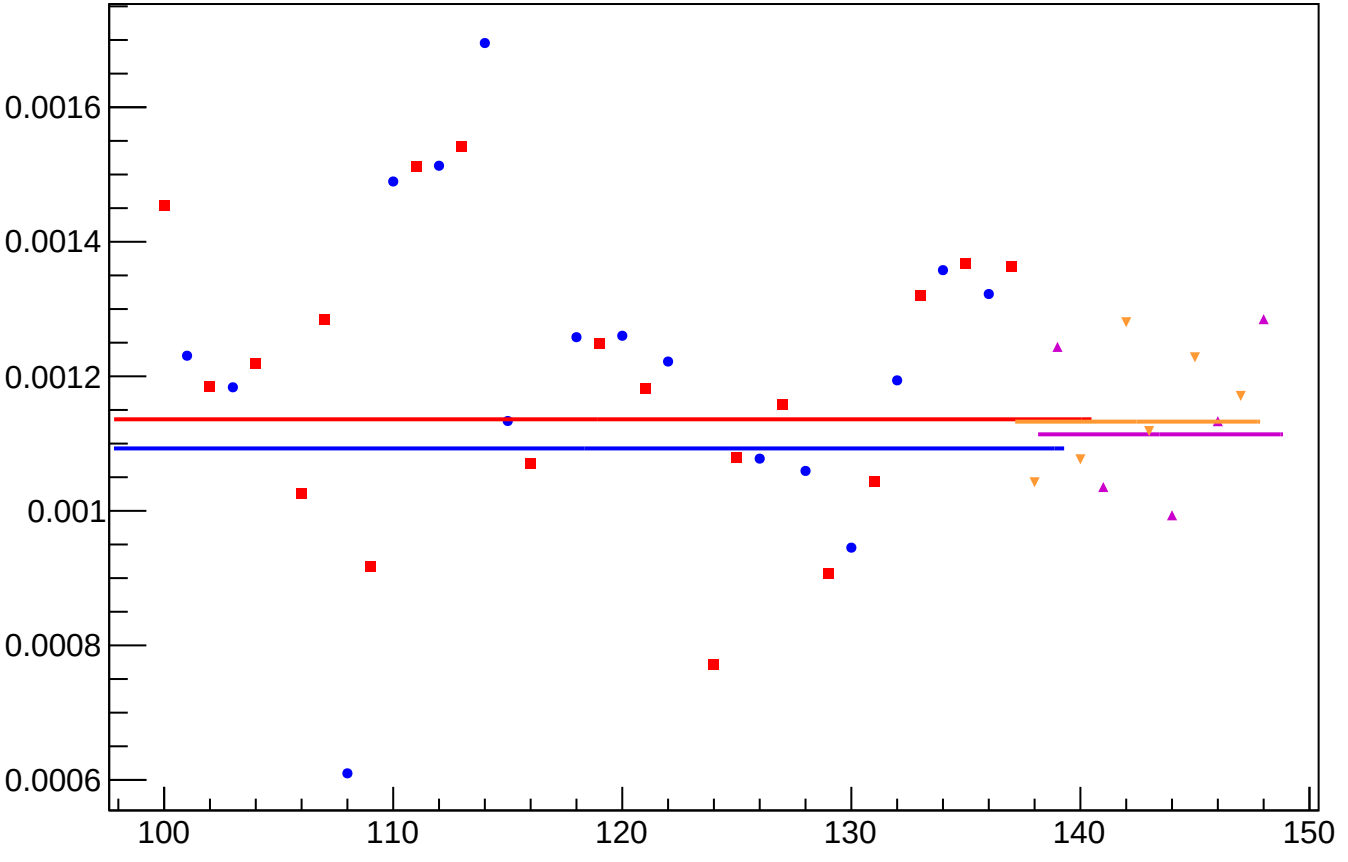
+ sign 14.254+/-0.003 χ^2/NDF: 3823525.7/21

All: 13.705+/-0.002 χ^2/NDF: 8516136.8/45

- sign 13.210+/-0.003 χ^2/NDF: 4642020.9/23


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: -0.000+/-0.000 χ²/NDF:10.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.7/4
+ sign -0.000+/-0.000 χ²/NDF: 38.0/21
All: 0.000+/-0.000 χ²/NDF: 54.7/45
- sign 0.000+/-0.000 χ²/NDF: 16.2/23

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

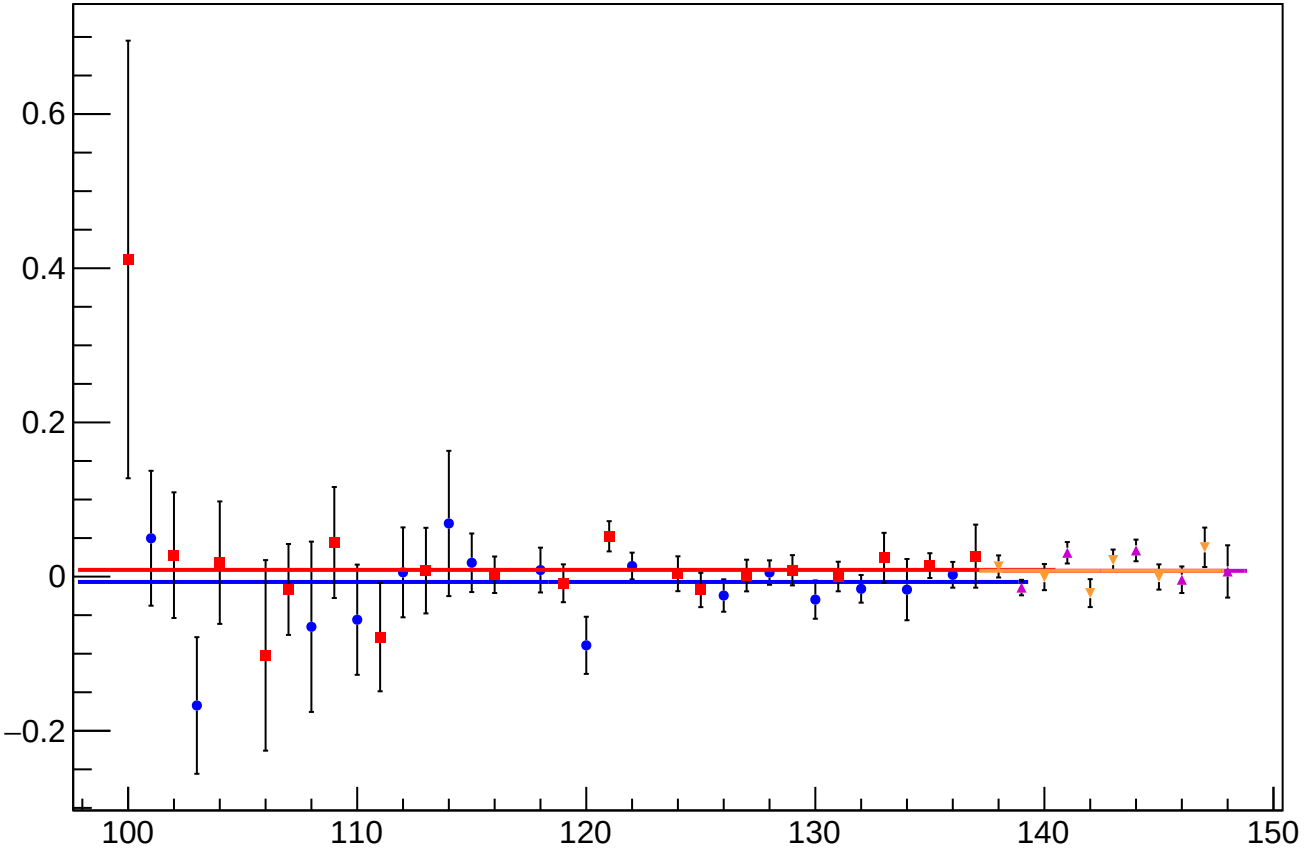
Left In: 0.001+/-0.000 χ^2/NDF:83691.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 878207.5/21

All: 0.001+/-0.000 χ^2/NDF: 1374783.5/45

- sign 0.001+/-0.000 χ^2/NDF: 493072.4/23

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

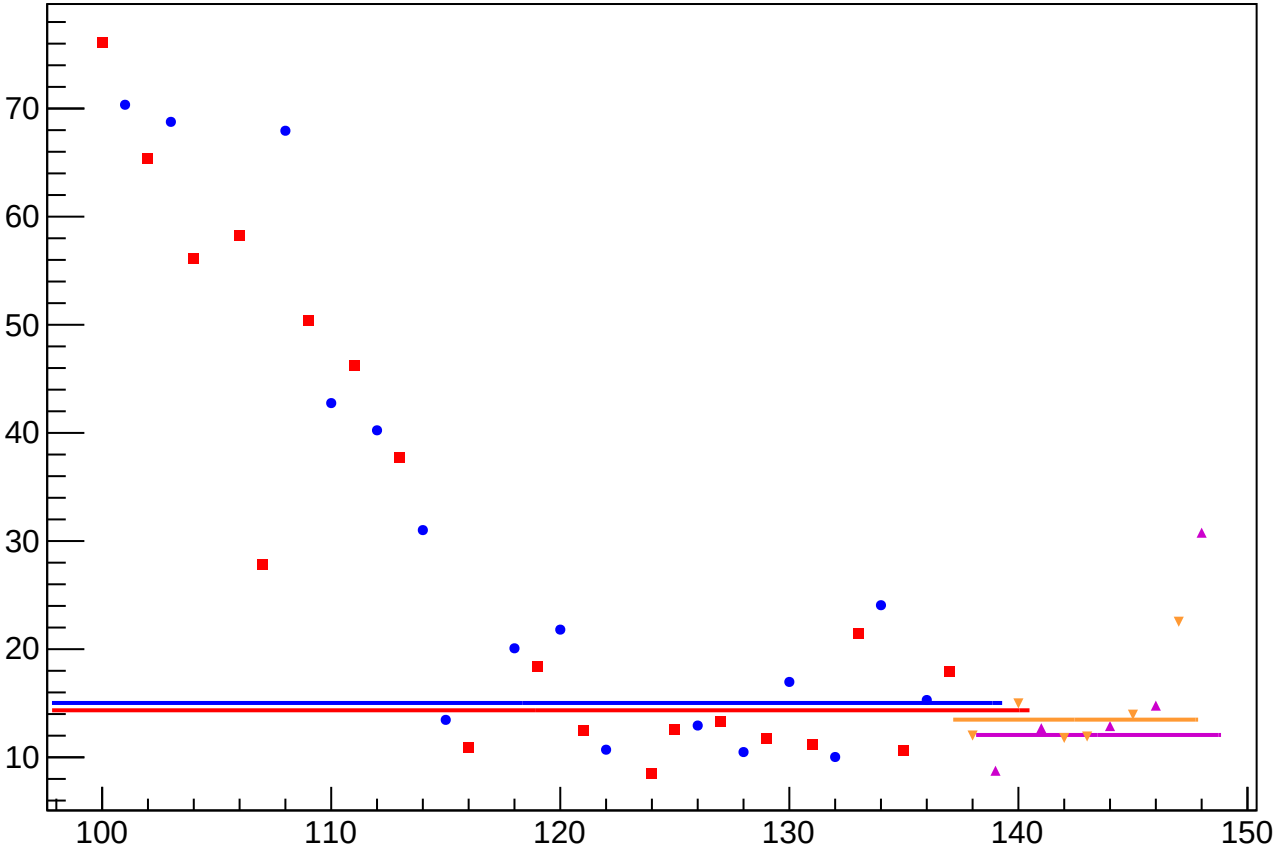
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/45

- sign 0.008+/-0.005 χ^2/NDF: 24.2/23

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

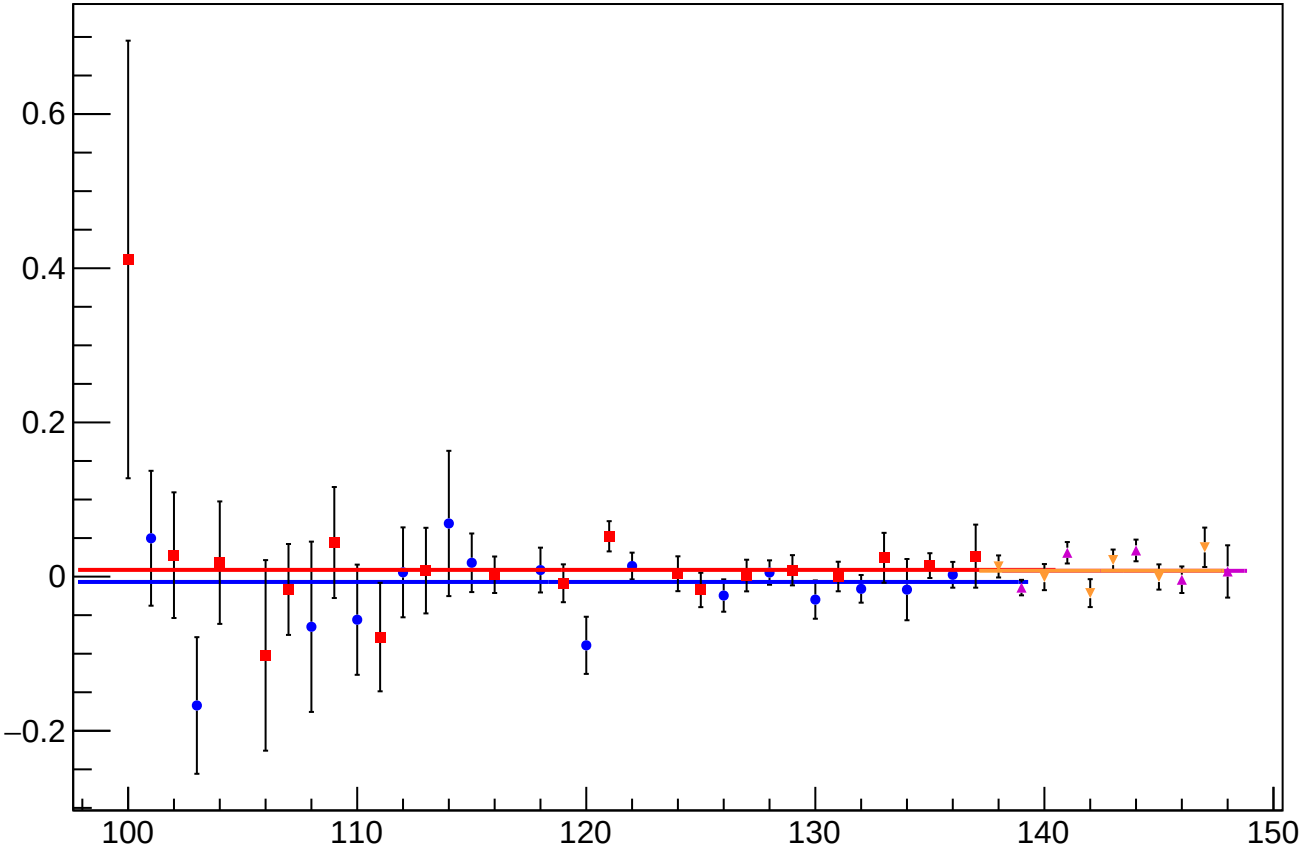
Left In: 12.066+/-0.005 χ^2/NDF:885596.7/4

+ sign 14.254+/-0.003 χ^2/NDF: 3823522.0/21

All: 13.705+/-0.002 χ^2/NDF: 8516127.5/45

- sign 13.210+/-0.003 χ^2/NDF: 4642015.3/23

asym_sam1_eigen_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

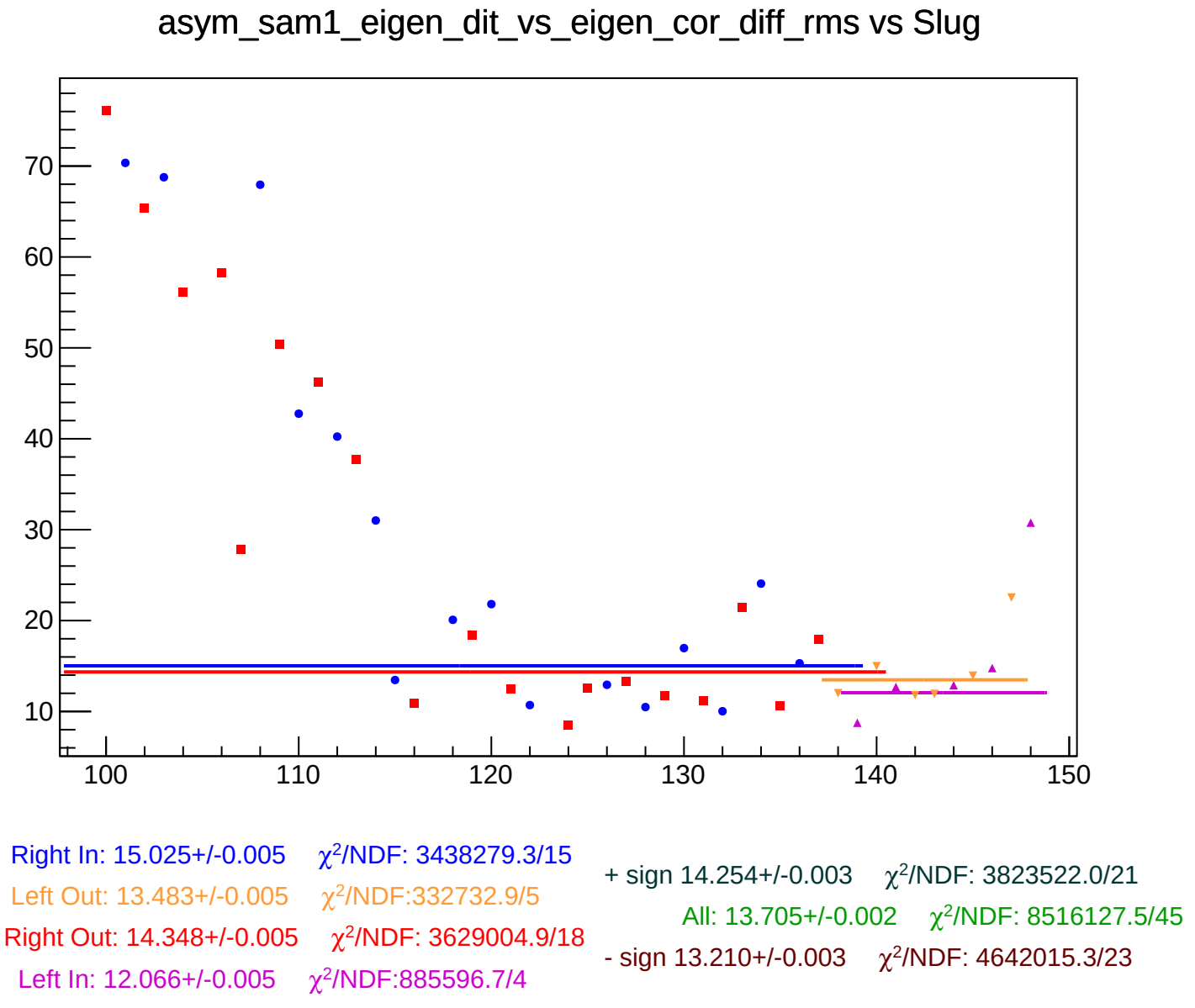
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

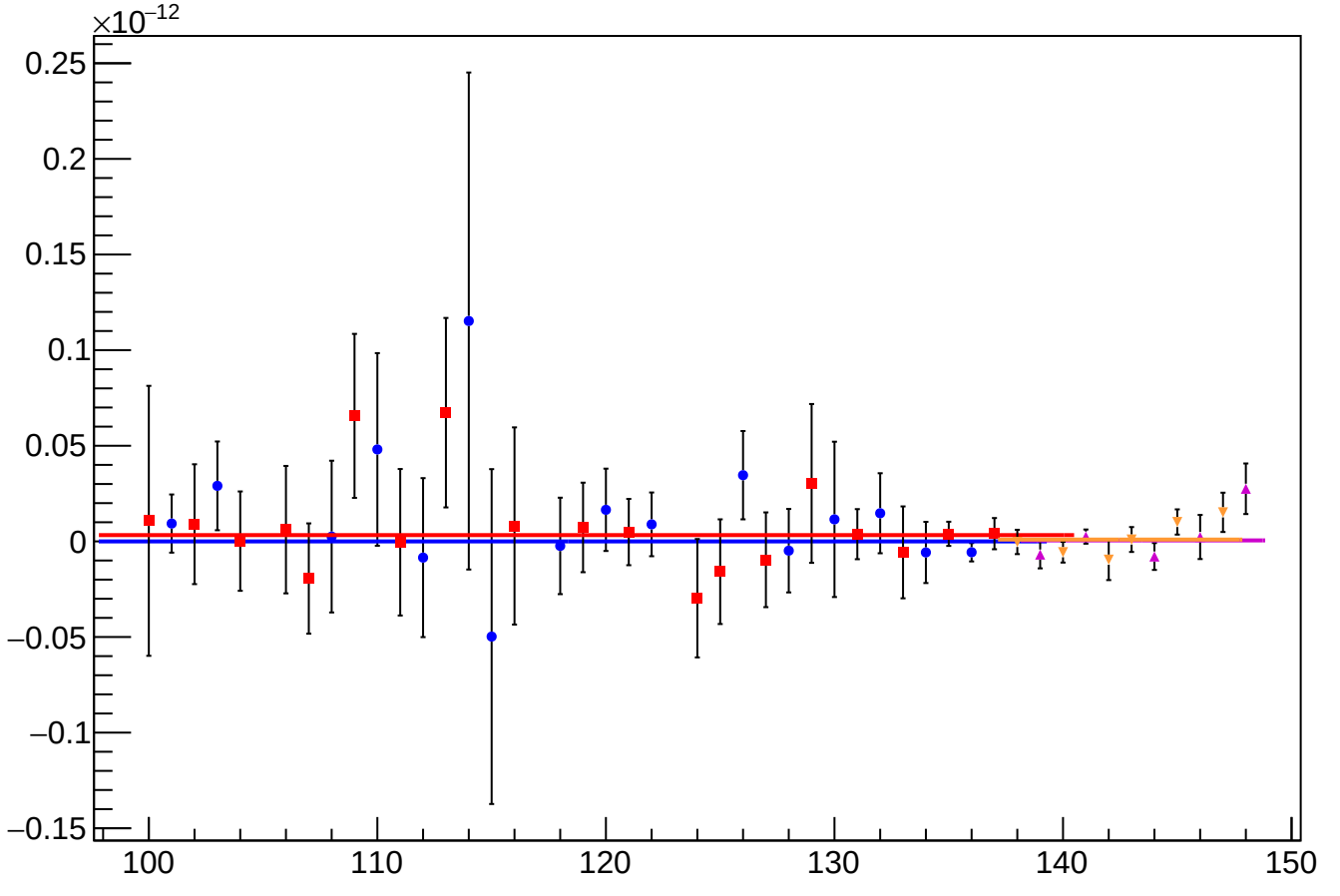
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.000+/-0.005 χ^2/NDF: 23.0/21

All: 0.004+/-0.003 χ^2/NDF: 48.5/45

- sign 0.008+/-0.005 χ^2/NDF: 24.2/23


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 13.483+/-0.005 χ²/NDF:332732.9/5
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 12.066+/-0.005 χ²/NDF:885596.7/4
+ sign 14.254+/-0.003 χ²/NDF: 3823522.0/21
All: 13.705+/-0.002 χ²/NDF: 8516127.5/45
- sign 13.210+/-0.003 χ²/NDF: 4642015.3/23



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

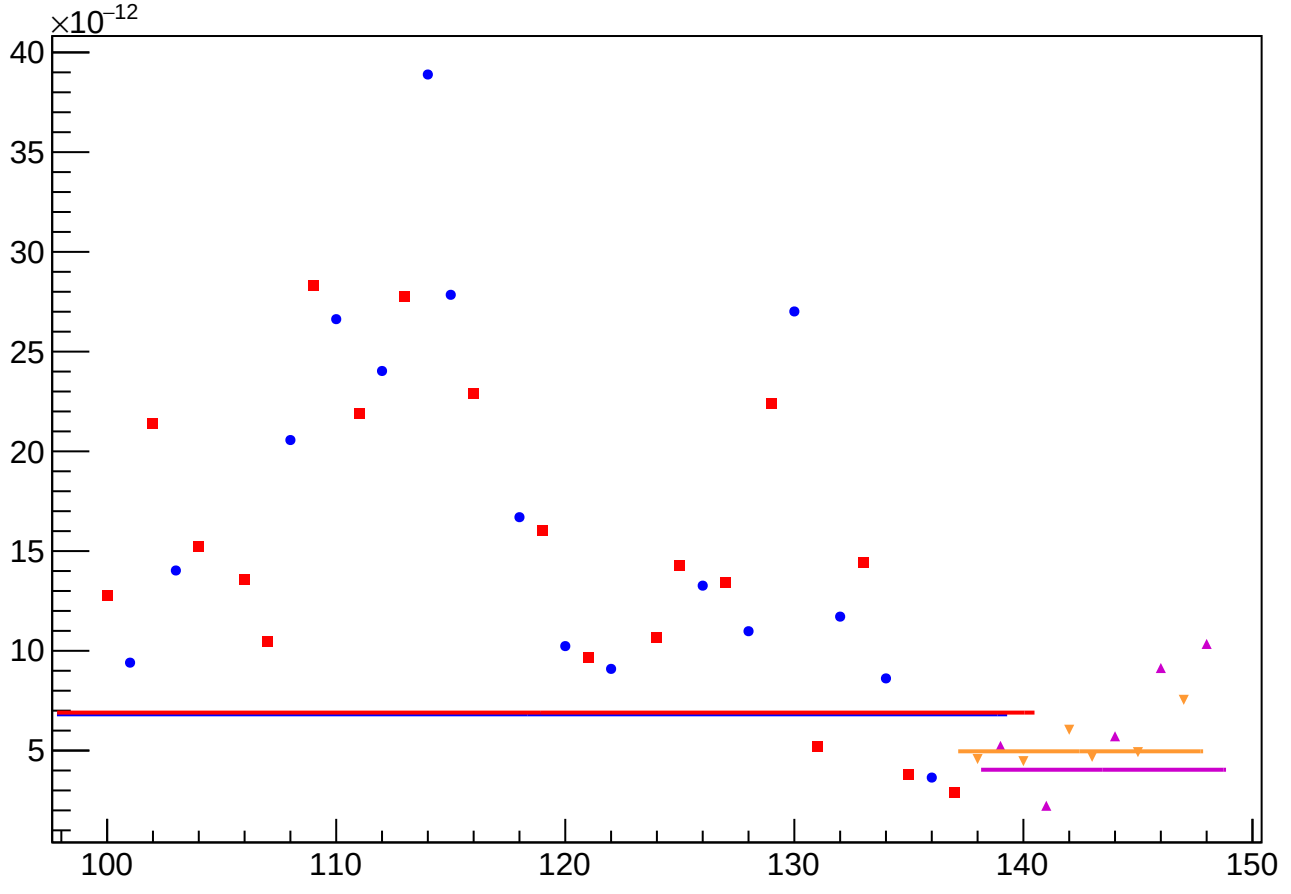
Left In: 0.000+/-0.000 χ^2/NDF:7.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/21

All: 0.000+/-0.000 χ^2/NDF: 30.1/45

- sign 0.000+/-0.000 χ^2/NDF: 14.3/23

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

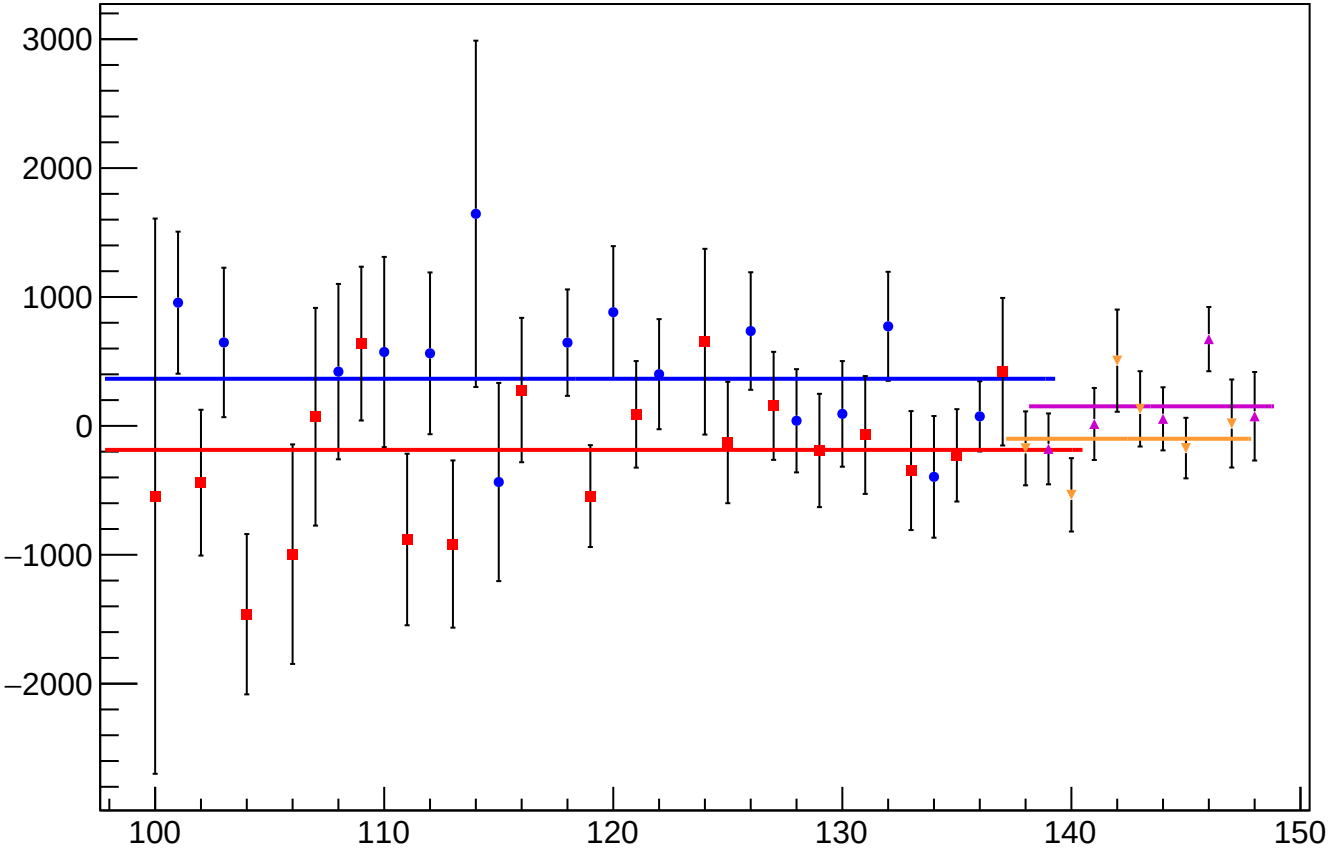
Left In: 0.000+/-0.000 χ^2/NDF:1491081.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3992435.9/21

All: 0.000+/-0.000 χ^2/NDF: 10496554.8/45

- sign 0.000+/-0.000 χ^2/NDF: 6429487.6/23

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

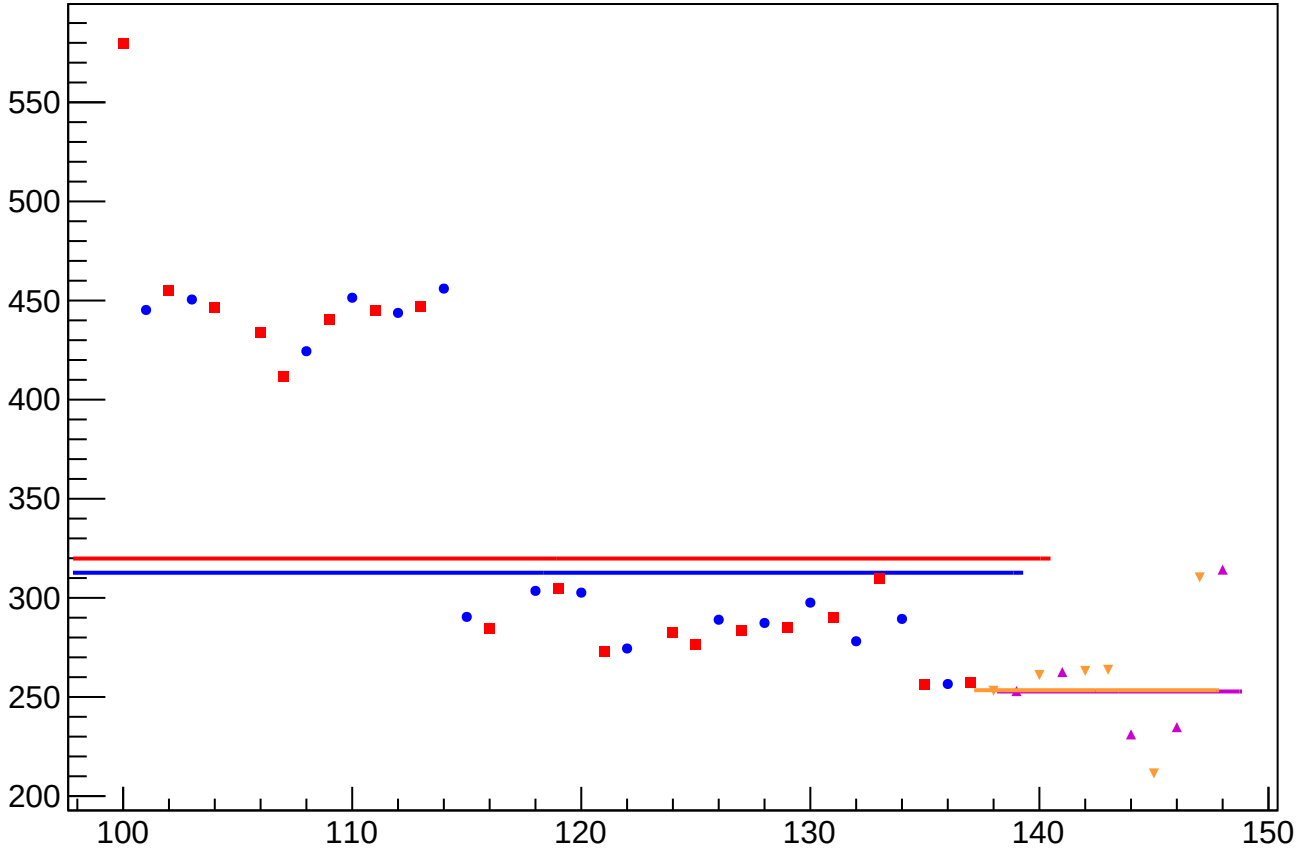
Left In: 151.694+/-121.919 χ^2/NDF:6.3/4

+ sign 135.284+/-84.503 χ^2/NDF: 24.7/21

All: 58.814+/-60.134 χ^2/NDF: 51.5/45

- sign -19.639+/-85.591 χ^2/NDF: 25.2/23

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

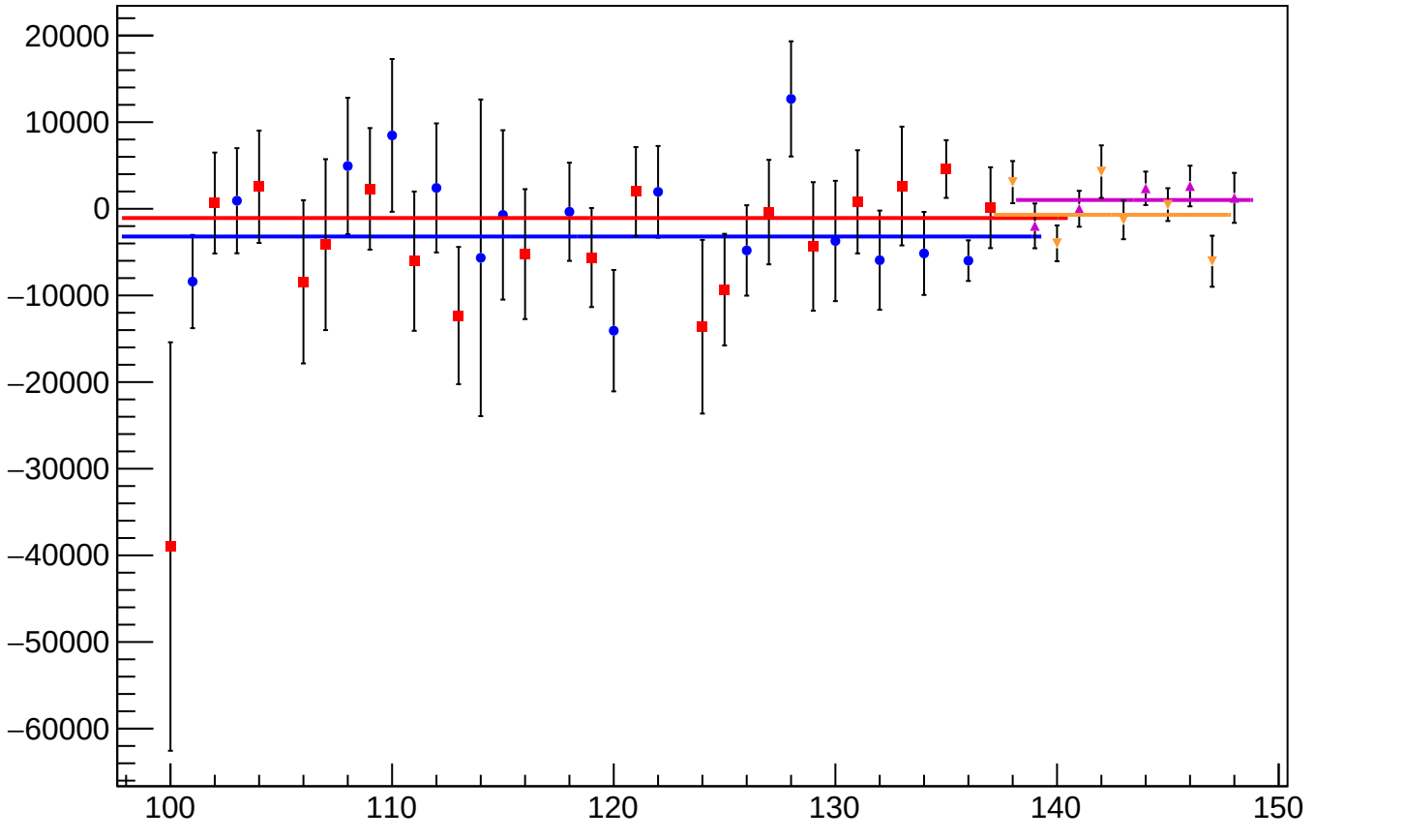
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.364+/-0.060 χ^2/NDF: 972730.2/21

All: 285.053+/-0.043 χ^2/NDF: 2071766.3/45

- sign 286.785+/-0.061 χ^2/NDF: 1097417.8/23



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

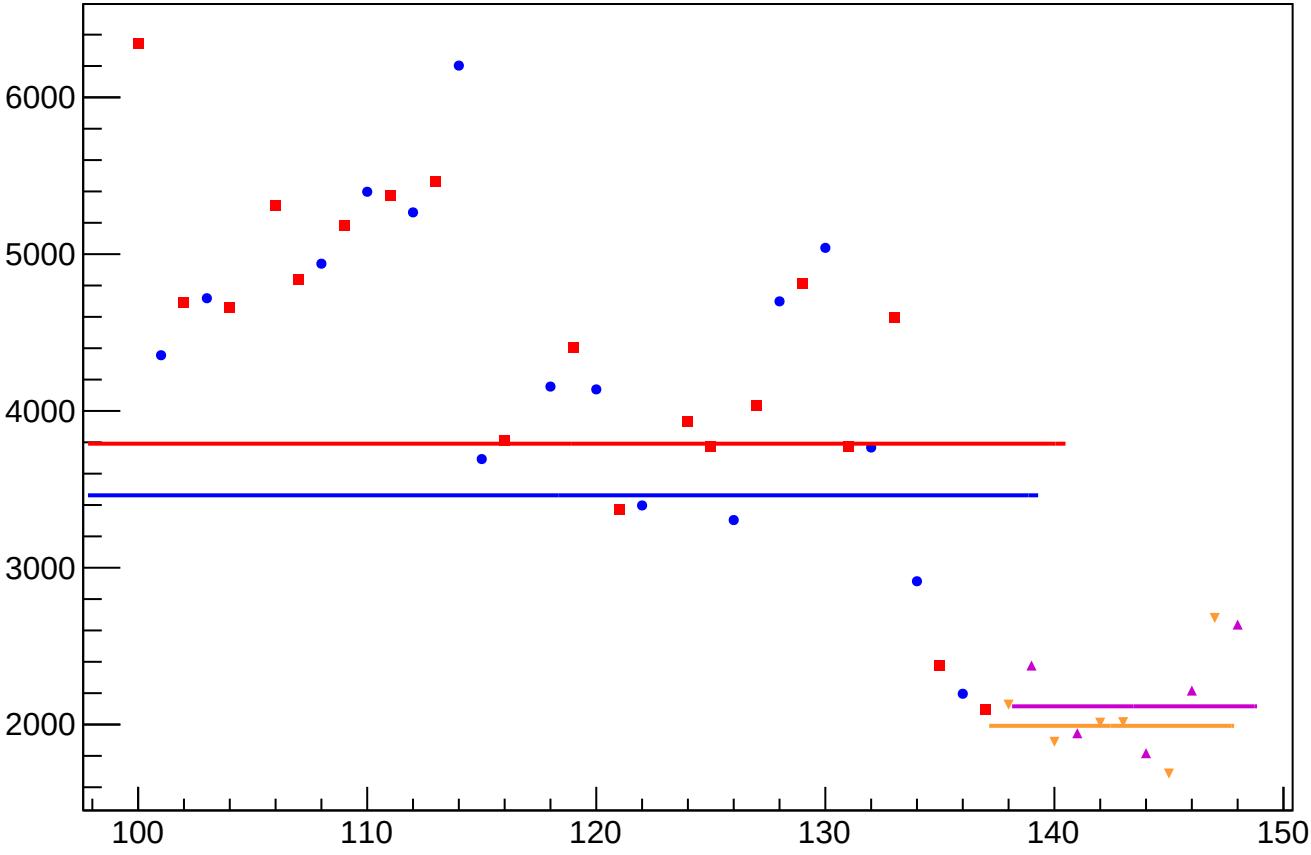
Left In: 1017.124+/-1024.670 χ^2/NDF:2.5/4

\+ sign -1518.254+/-778.206 χ^2/NDF: 29.8/21

All: -664.770+/-569.461 χ^2/NDF: 50.7/45

\- sign 319.067+/-835.523 χ^2/NDF: 18.3/23

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

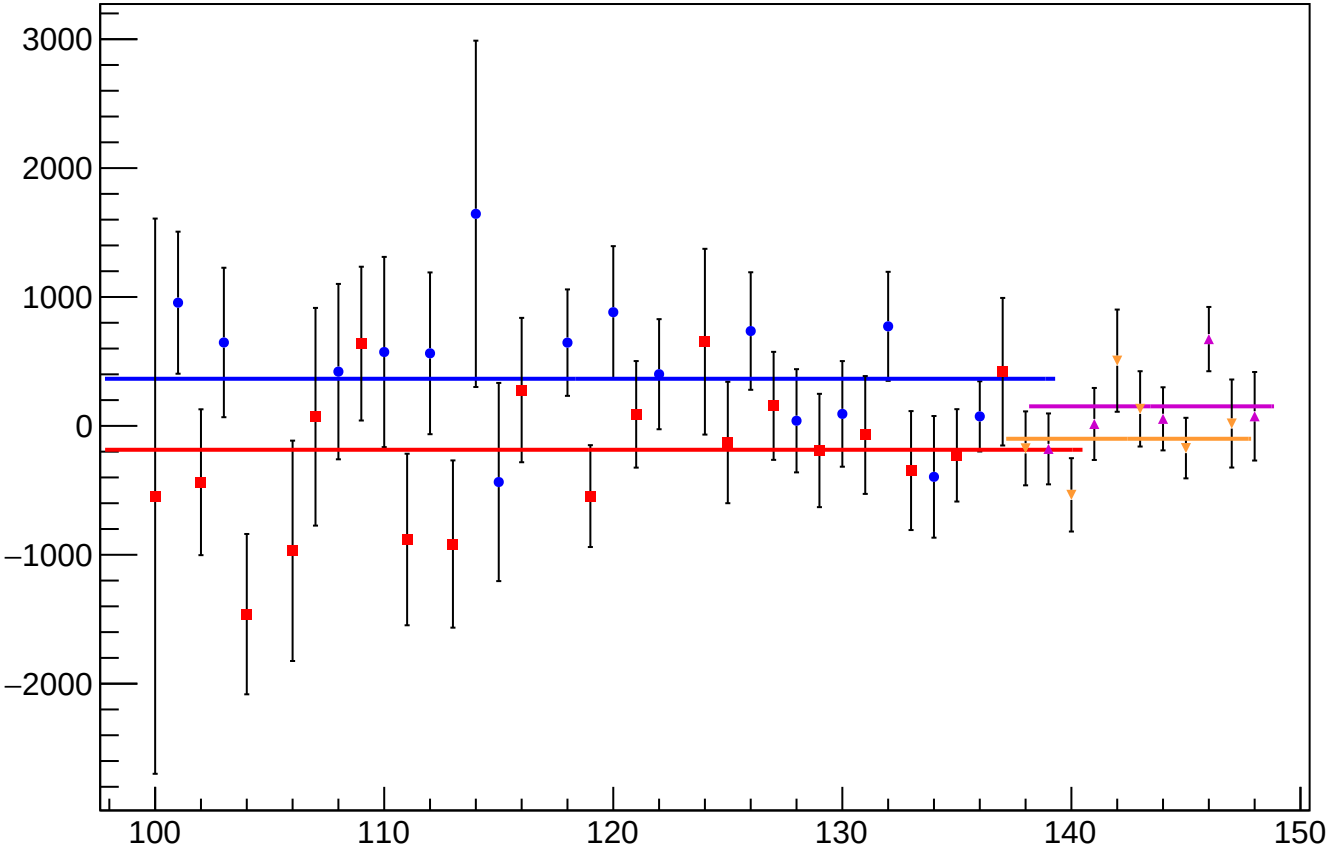
Left In: 2115.991+/-0.725 χ^2/NDF:151026.8/4

+ sign 2477.471+/-0.550 χ^2/NDF: 3061023.7/21

All: 2570.331+/-0.403 χ^2/NDF: 6220508.6/45

- sign 2677.374+/-0.591 χ^2/NDF: 3098180.8/23

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

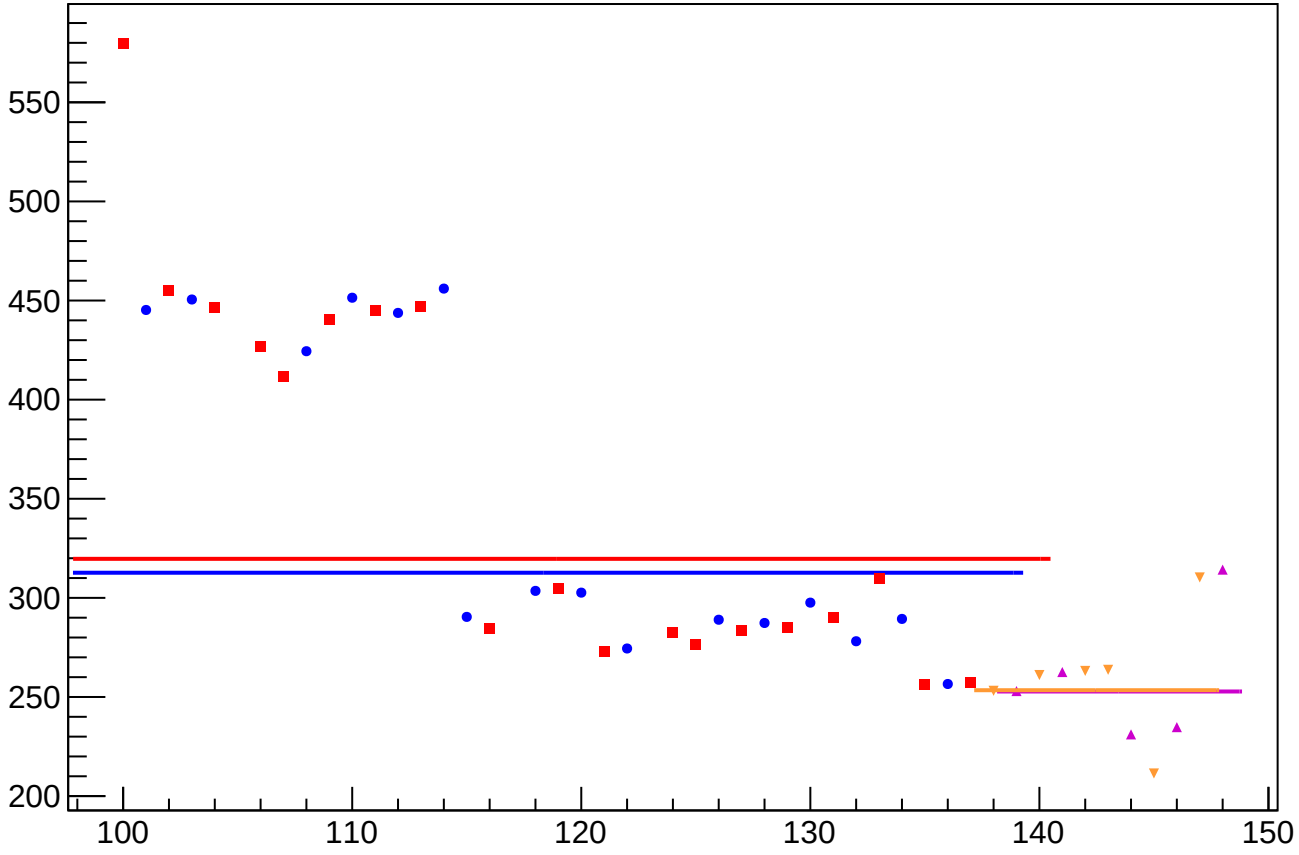
Left In: 151.685+/-121.919 χ^2/NDF:6.3/4

+ sign 135.271+/-84.503 χ^2/NDF: 24.7/21

All: 59.019+/-60.135 χ^2/NDF: 51.4/45

- sign -19.217+/-85.595 χ^2/NDF: 25.1/23

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

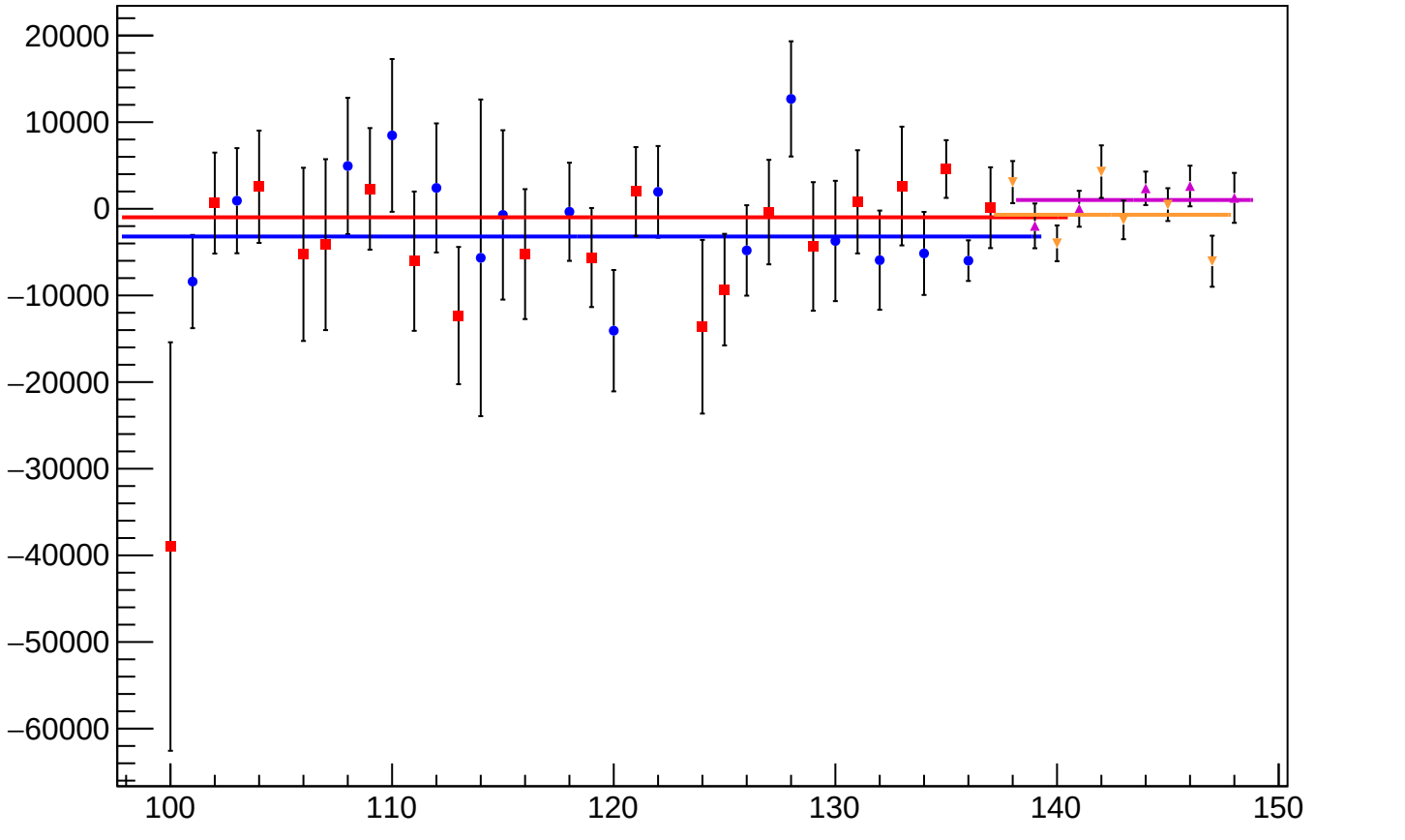
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.364+/-0.060 χ^2/NDF: 972731.8/21

All: 285.014+/-0.043 χ^2/NDF: 2066148.3/45

- sign 286.707+/-0.061 χ^2/NDF: 1091871.5/23



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

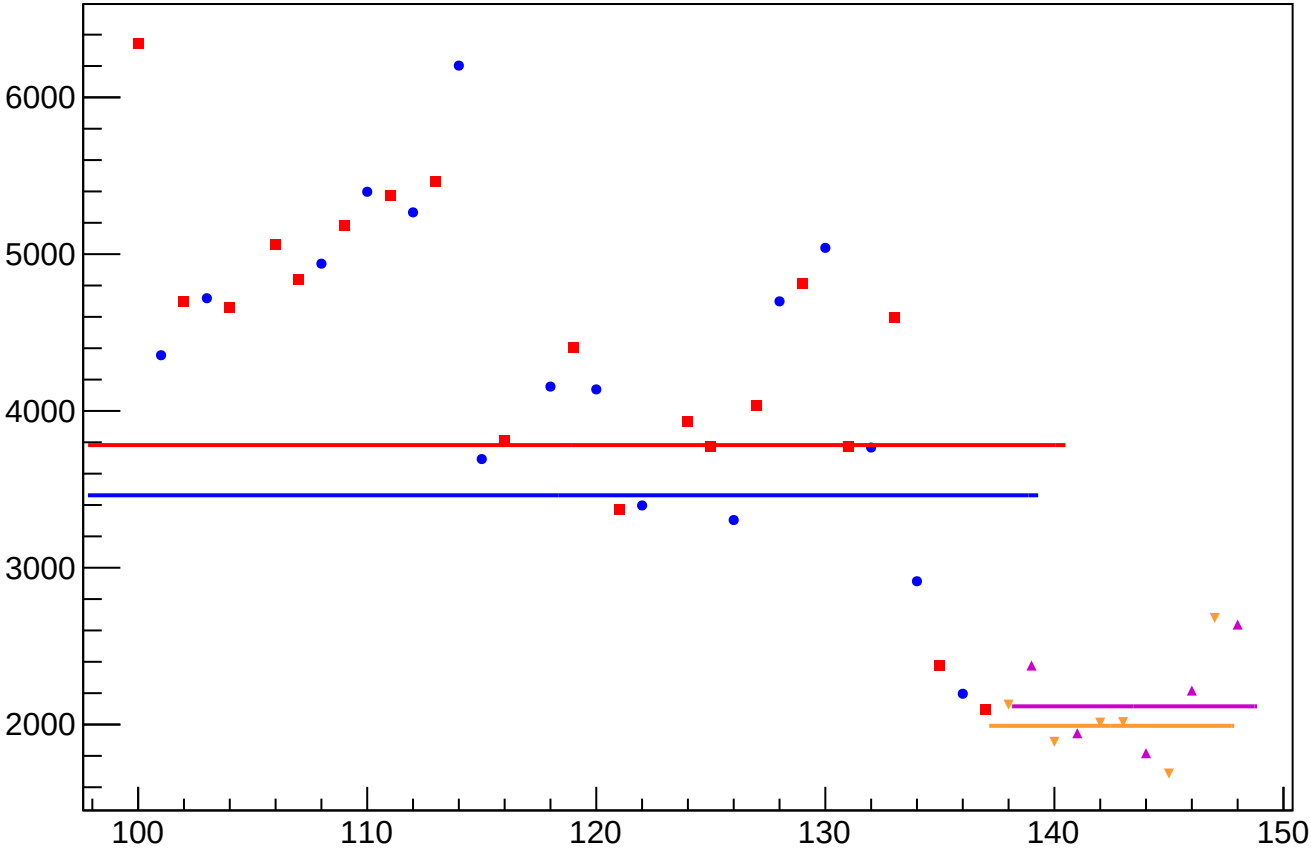
Left In: 1017.088+/-1024.670 χ^2/NDF:2.5/4

\+ sign -1518.229+/-778.207 χ^2/NDF: 29.8/21

All: -651.397+/-569.580 χ^2/NDF: 50.2/45

\- sign 348.723+/-835.899 χ^2/NDF: 17.8/23

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

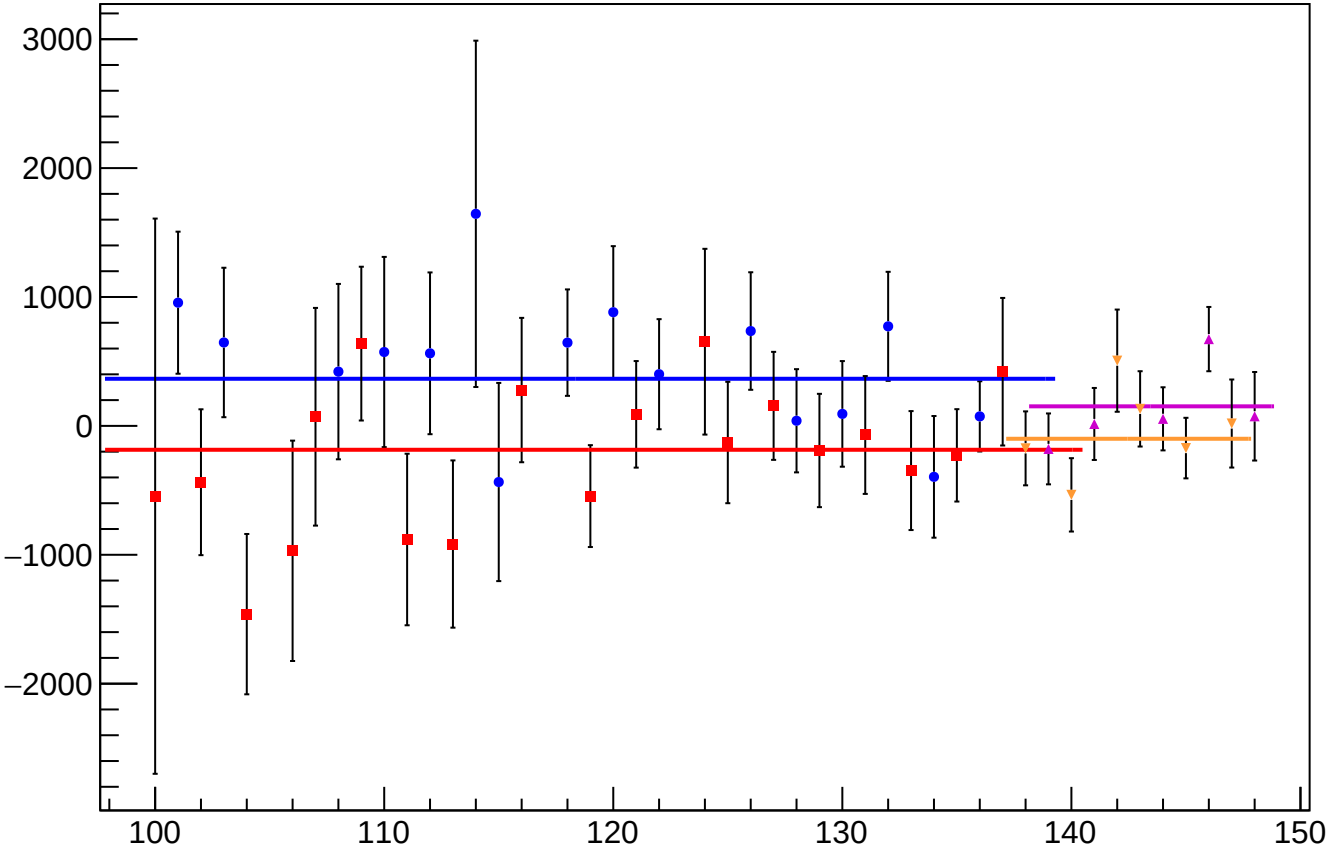
Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

+ sign 2477.471+/-0.550 χ^2/NDF: 3061047.0/21

All: 2568.419+/-0.403 χ^2/NDF: 6176223.5/45

- sign 2673.352+/-0.591 χ^2/NDF: 3056342.8/23

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

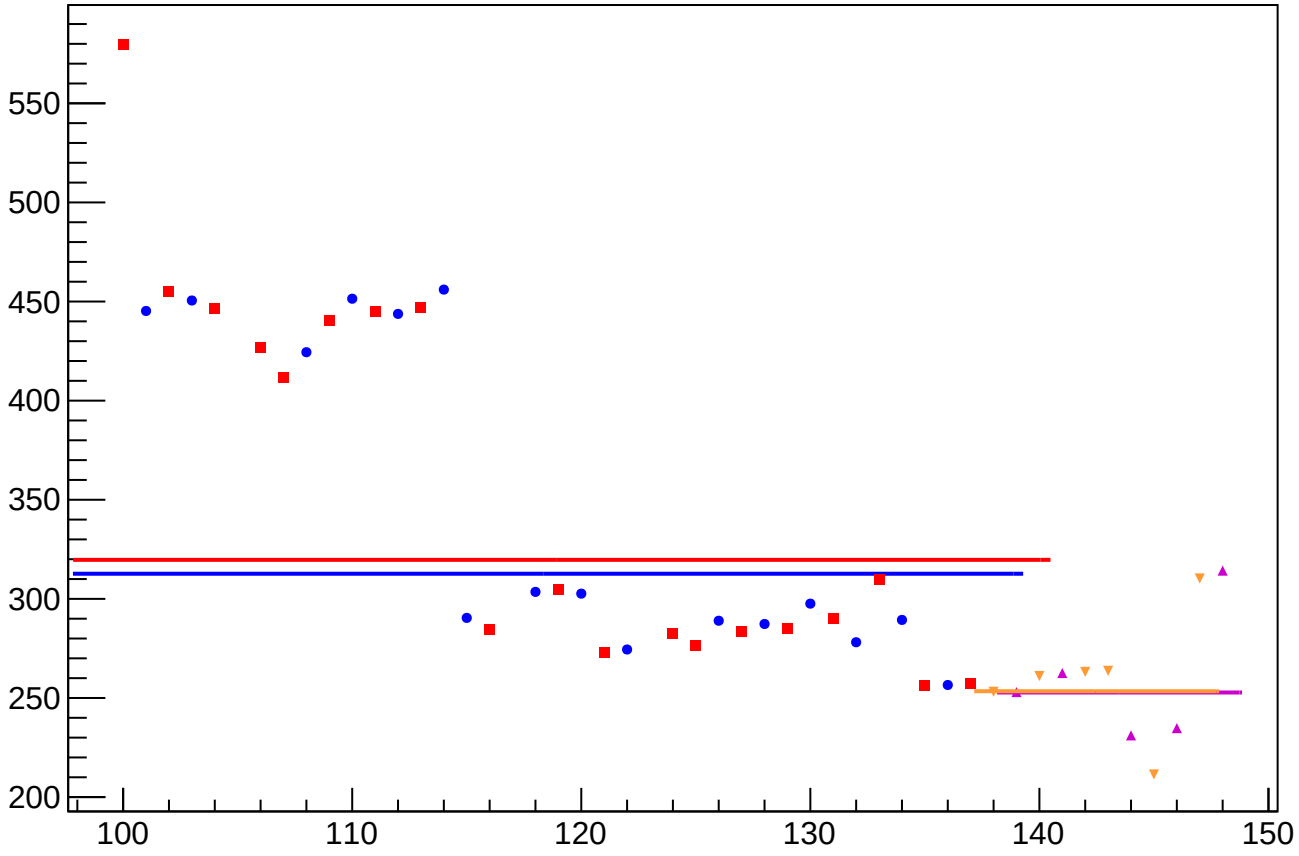
Left In: 151.685+/-121.919 χ^2/NDF:6.3/4

+ sign 135.271+/-84.503 χ^2/NDF: 24.7/21

All: 59.019+/-60.135 χ^2/NDF: 51.4/45

- sign -19.217+/-85.595 χ^2/NDF: 25.1/23

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

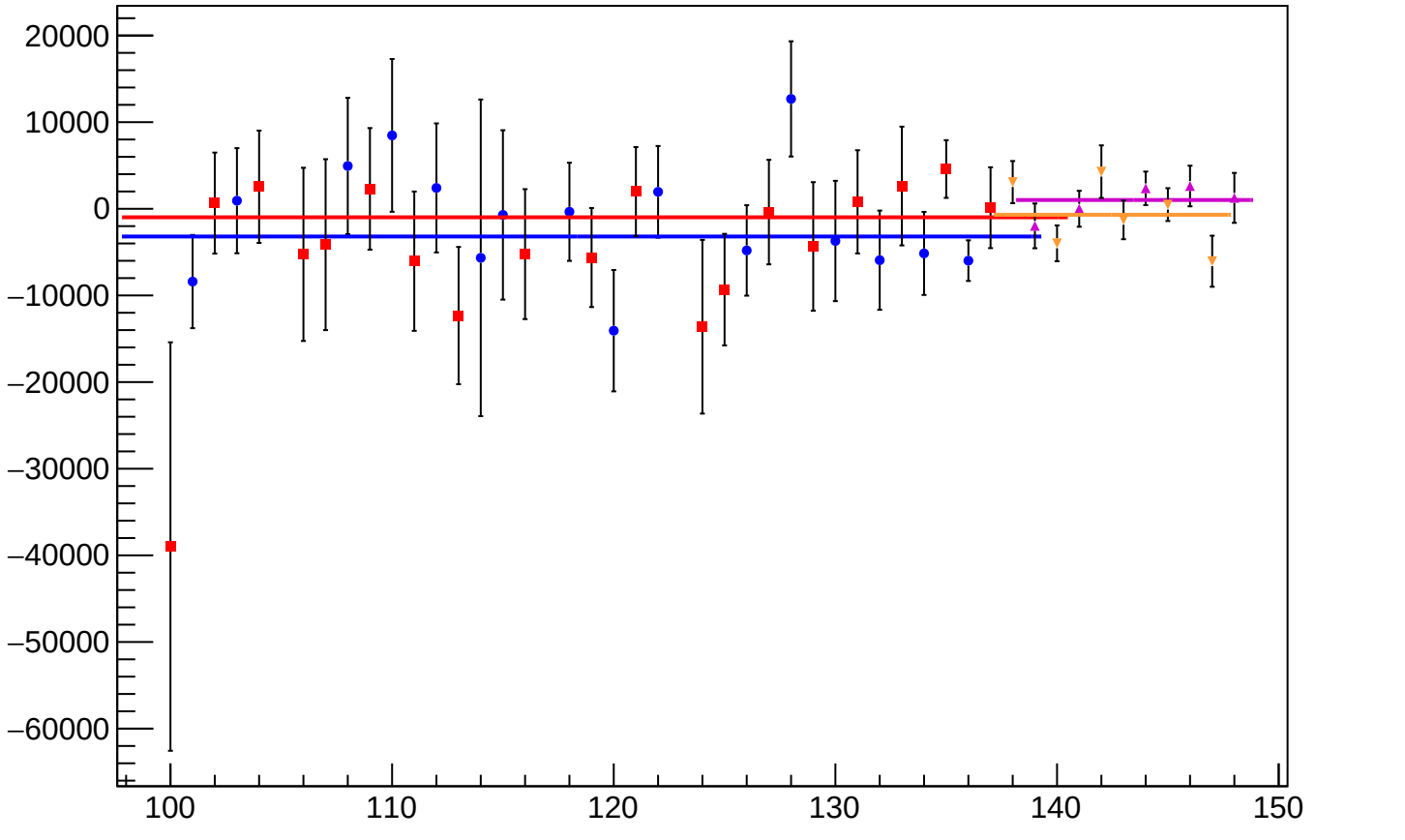
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.364+/-0.060 χ^2/NDF: 972731.8/21

All: 285.014+/-0.043 χ^2/NDF: 2066148.3/45

- sign 286.707+/-0.061 χ^2/NDF: 1091871.5/23



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

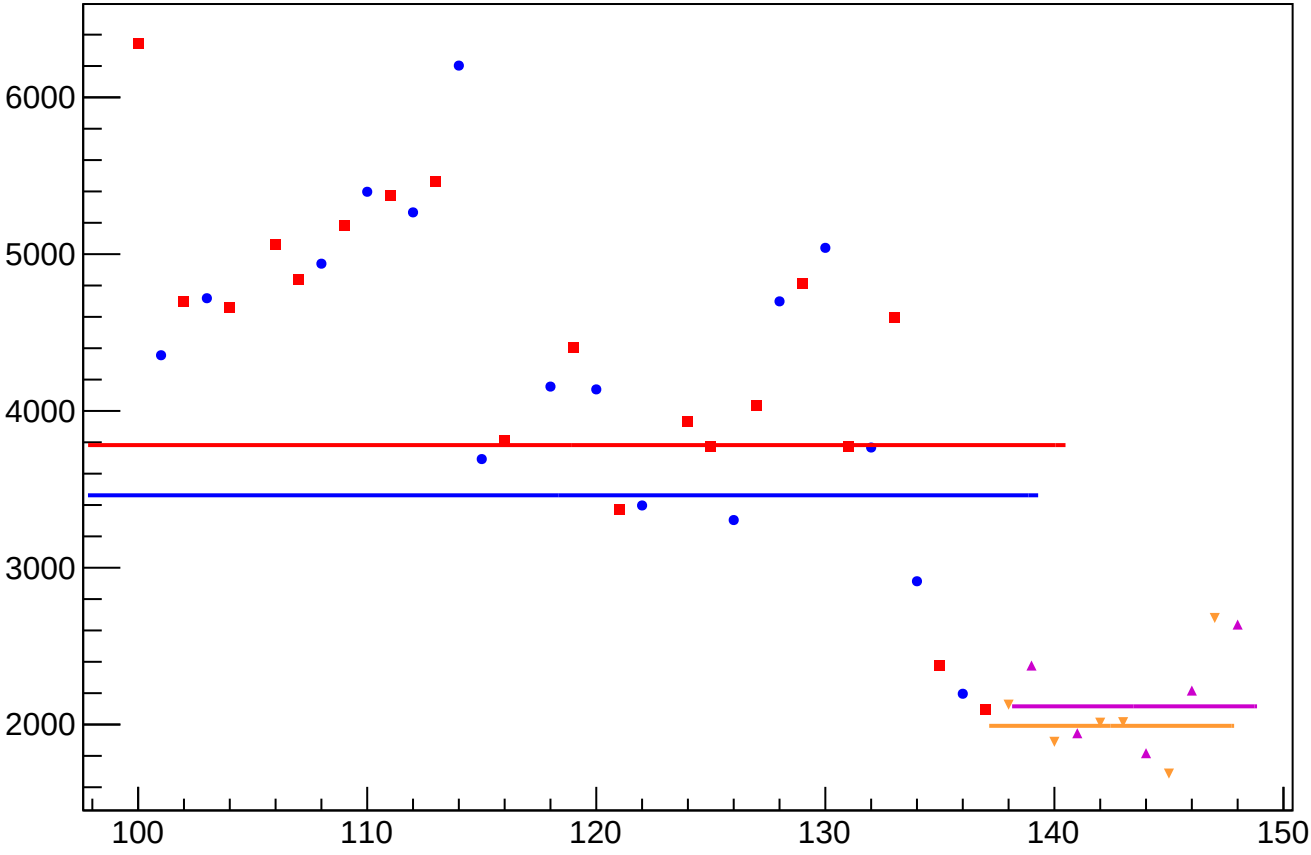
Left In: 1017.088+/-1024.670 χ^2/NDF:2.5/4

\+ sign -1518.229+/-778.207 χ^2/NDF: 29.8/21

All: -651.397+/-569.580 χ^2/NDF: 50.2/45

\- sign 348.723+/-835.899 χ^2/NDF: 17.8/23

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

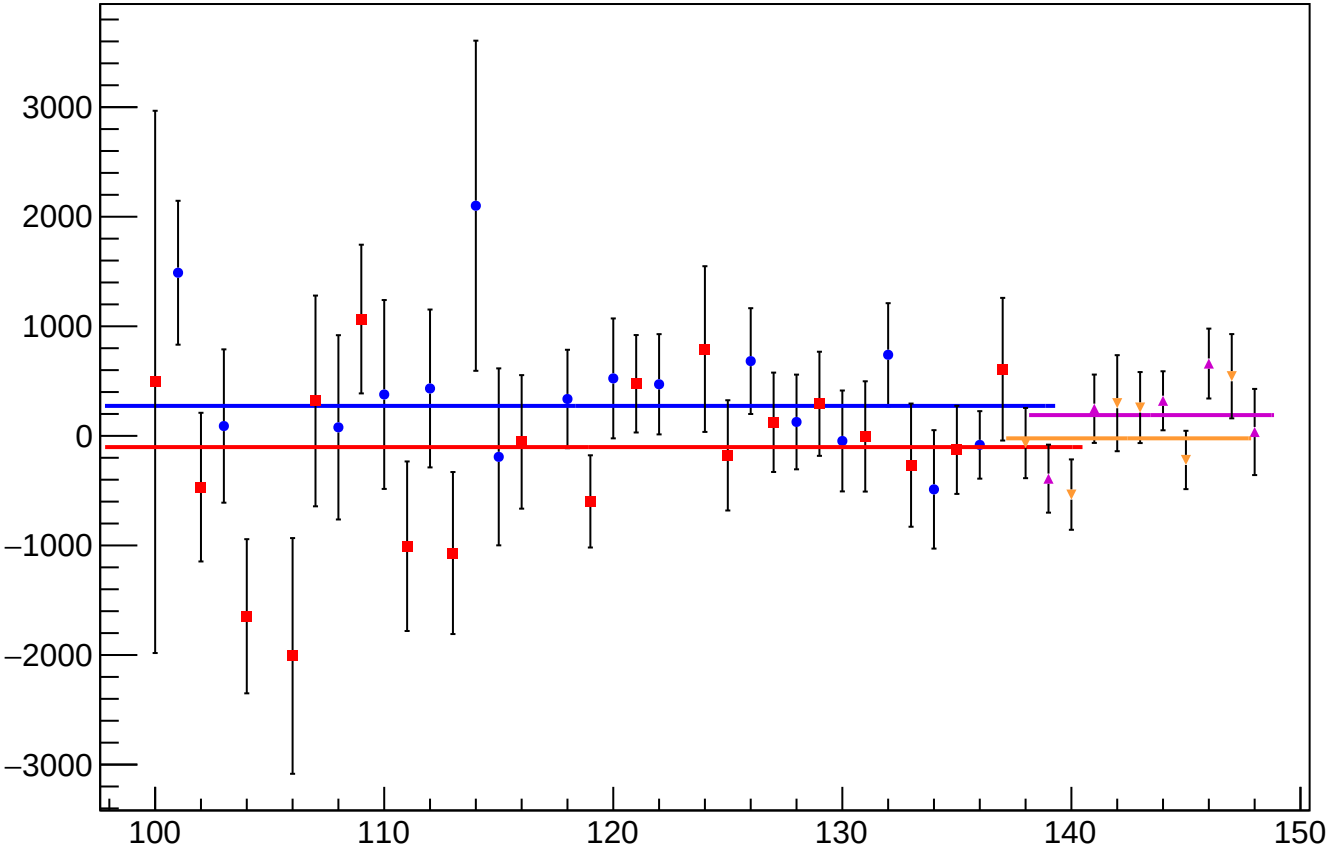
Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

+ sign 2477.471+/-0.550 χ^2/NDF: 3061047.0/21

All: 2568.419+/-0.403 χ^2/NDF: 6176223.5/45

- sign 2673.352+/-0.591 χ^2/NDF: 3056342.8/23

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

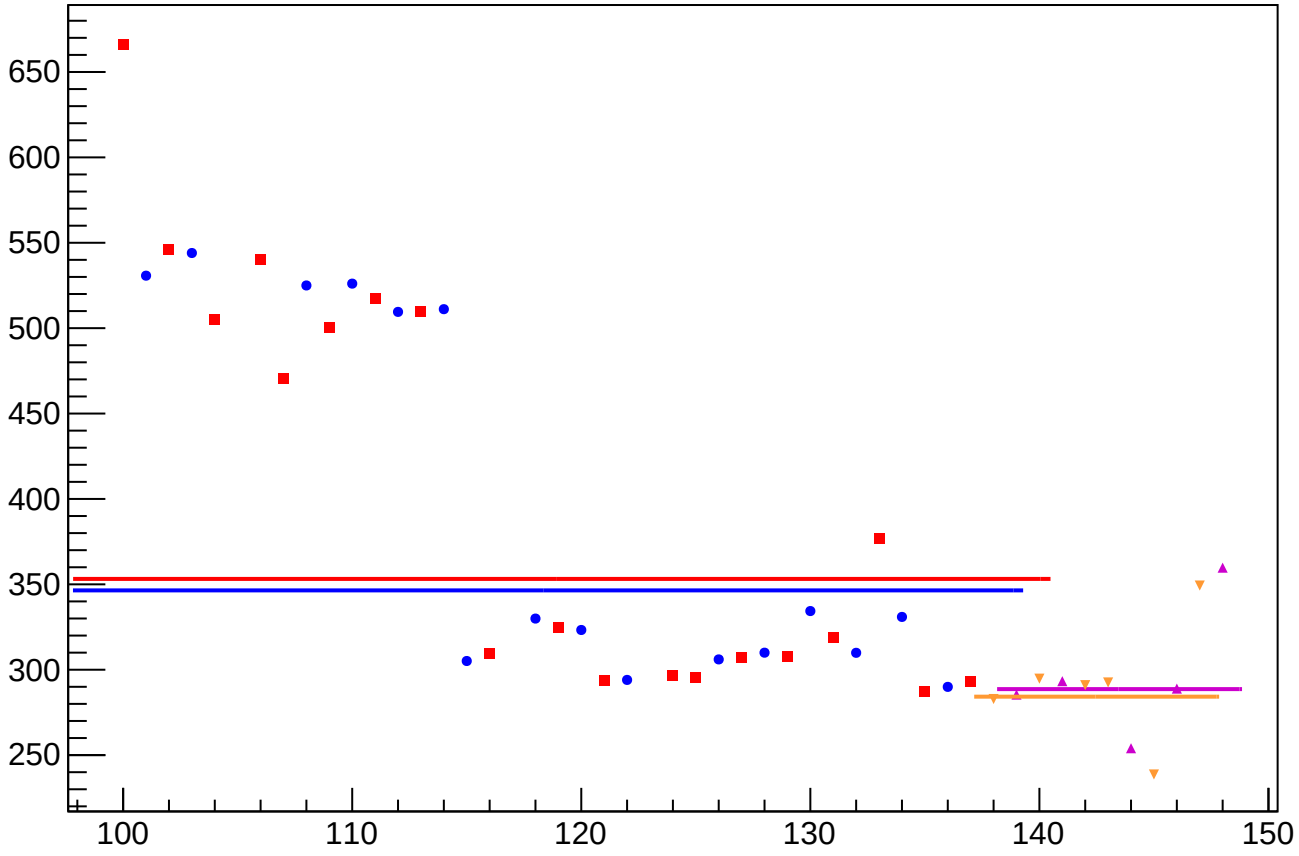
Left In: 189.640+/-140.359 χ^2/NDF:6.1/4

+ sign 128.027+/-94.505 χ^2/NDF: 20.5/21

All: 83.320+/-67.613 χ^2/NDF: 50.6/45

- sign 36.442+/-96.773 χ^2/NDF: 29.7/23

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

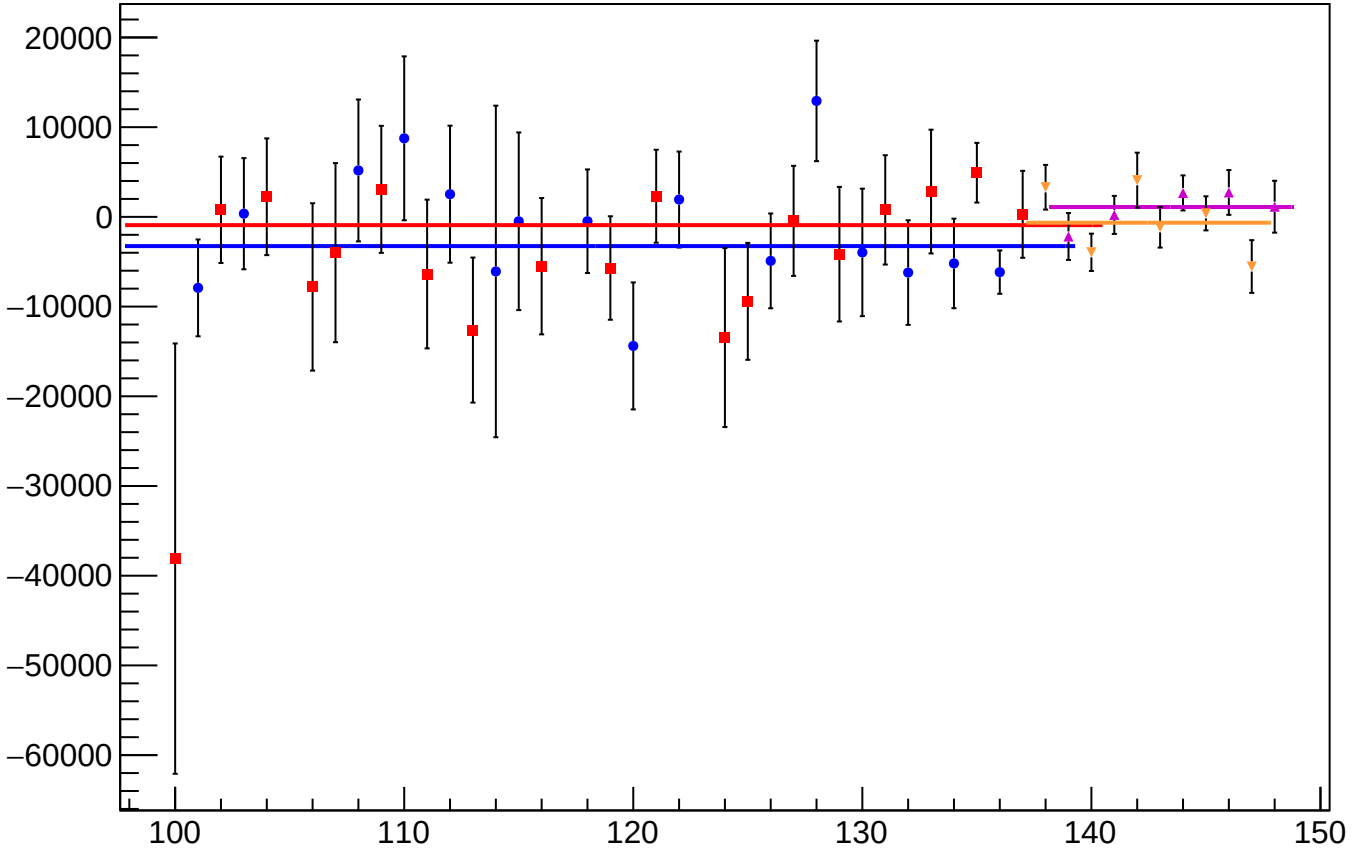
Left In: 288.651+/-0.099 χ^2/NDF:99146.0/4

+ sign 315.866+/-0.067 χ^2/NDF: 1105367.0/21

All: 319.106+/-0.048 χ^2/NDF: 2297453.4/45

- sign 322.504+/-0.068 χ^2/NDF: 1187269.2/23

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

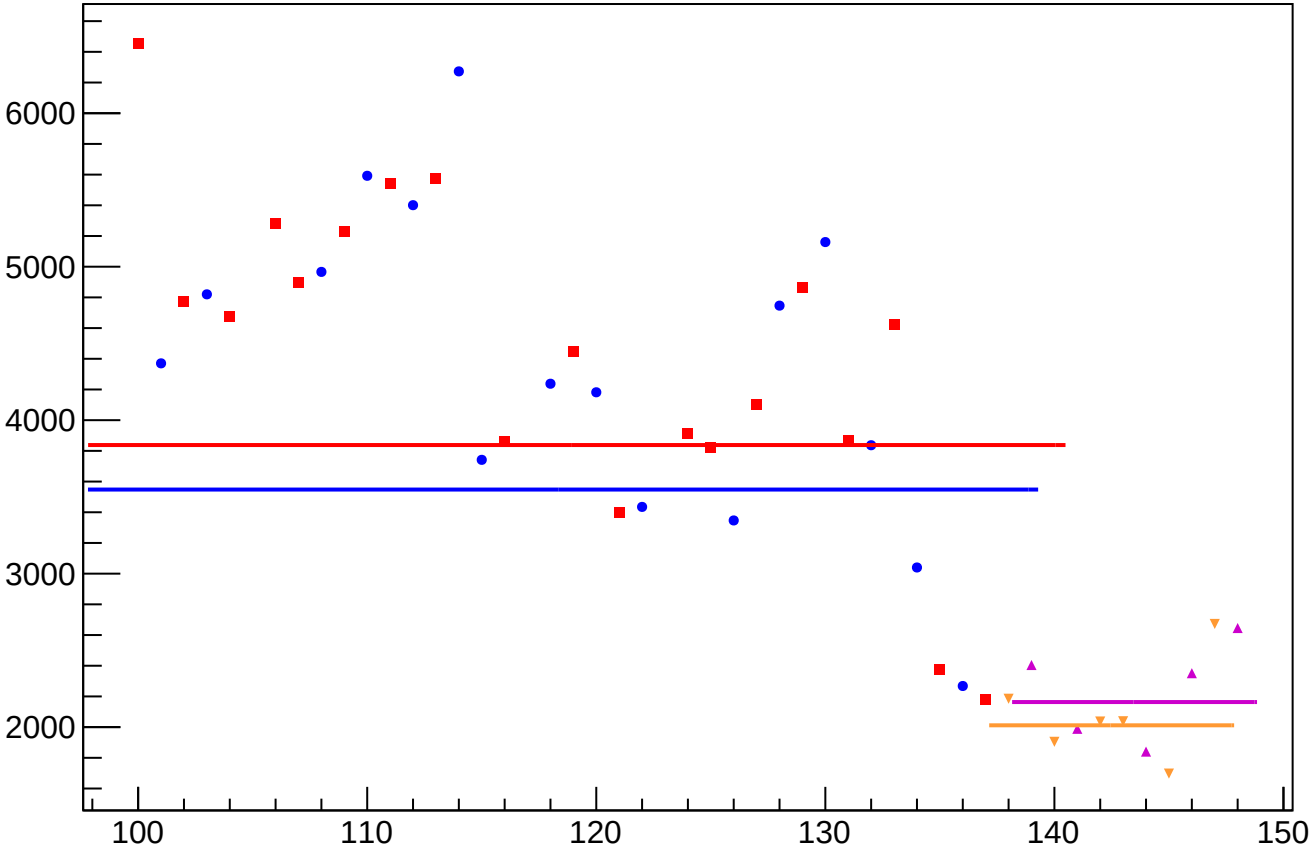
Left In: 1097.585+/-1048.187 χ^2/NDF:2.8/4

\+ sign -1497.072+/-788.532 χ^2/NDF: 28.9/21

All: -616.131+/-578.594 χ^2/NDF: 50.4/45

\- sign 411.403+/-851.616 χ^2/NDF: 18.7/23

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

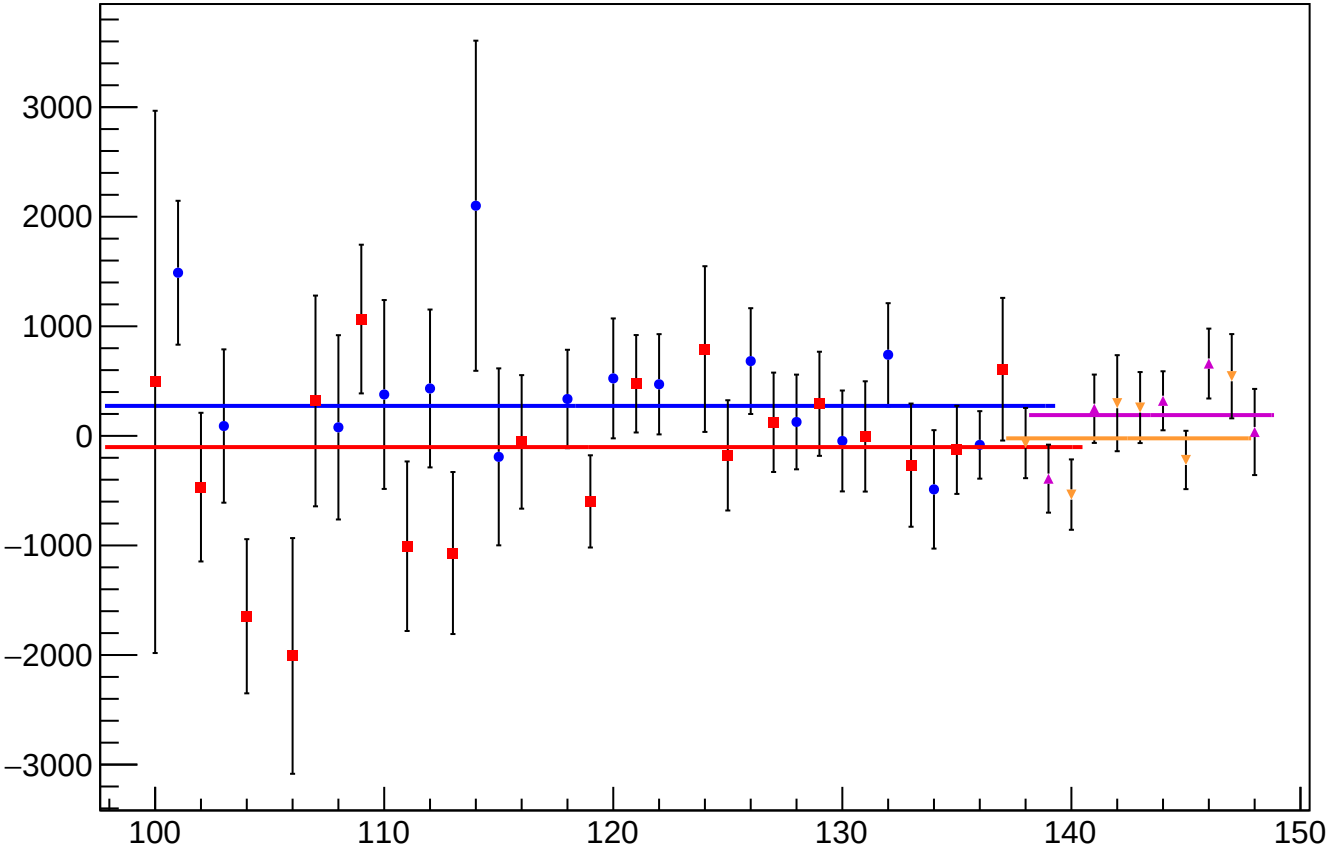
Left In: 2163.370+/-0.741 χ^2/NDF:152092.4/4

+ sign 2510.369+/-0.558 χ^2/NDF: 3093620.2/21

All: 2612.933+/-0.409 χ^2/NDF: 6209946.4/45

- sign 2732.565+/-0.602 χ^2/NDF: 3043023.0/23

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

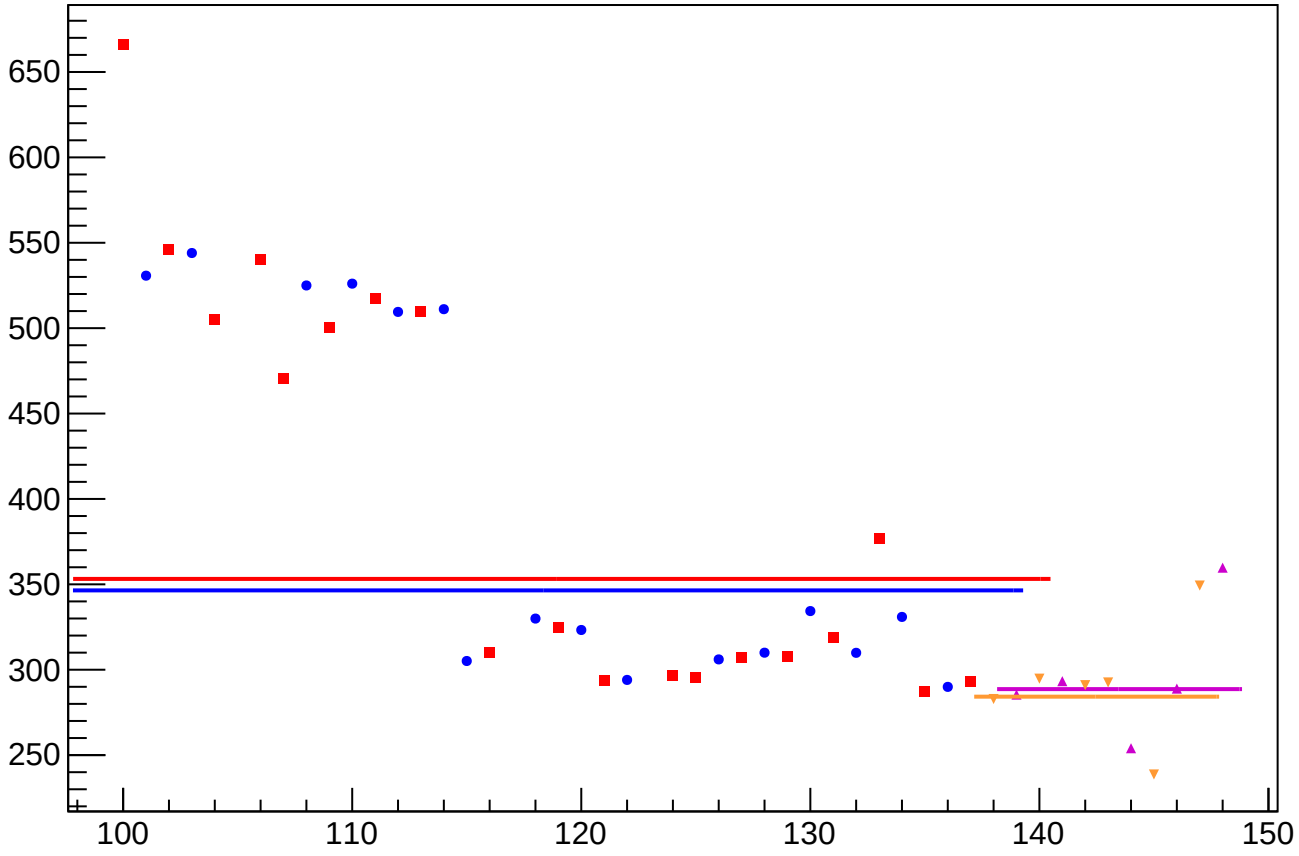
Left In: 189.642+/-140.359 χ^2/NDF:6.1/4

+ sign 128.026+/-94.505 χ^2/NDF: 20.5/21

All: 83.320+/-67.613 χ^2/NDF: 50.6/45

- sign 36.443+/-96.773 χ^2/NDF: 29.7/23

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

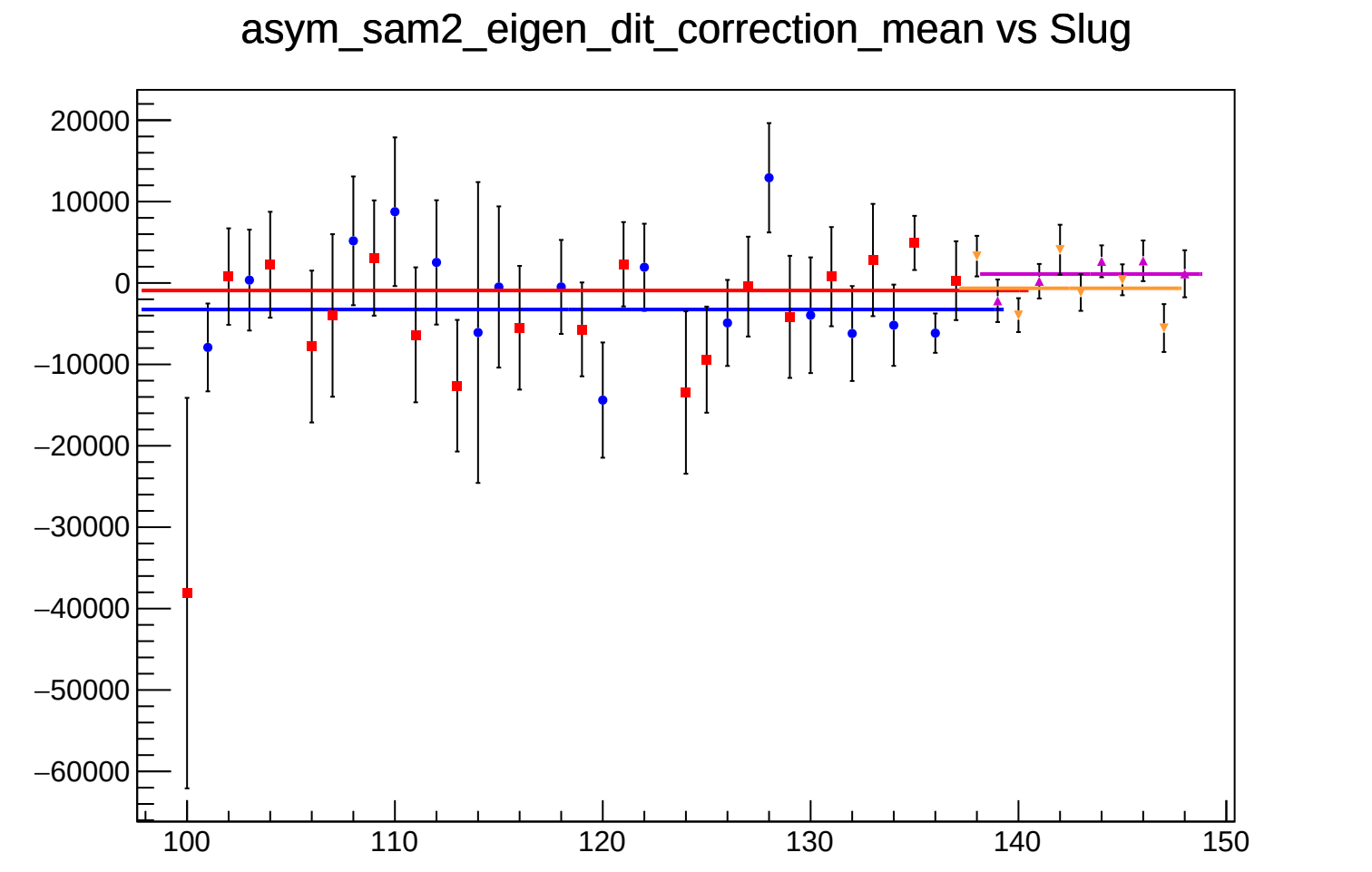
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 288.651+/-0.099 χ^2/NDF:99146.6/4

+ sign 315.865+/-0.067 χ^2/NDF: 1105347.8/21

All: 319.105+/-0.048 χ^2/NDF: 2297417.5/45

- sign 322.503+/-0.068 χ^2/NDF: 1187252.0/23



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

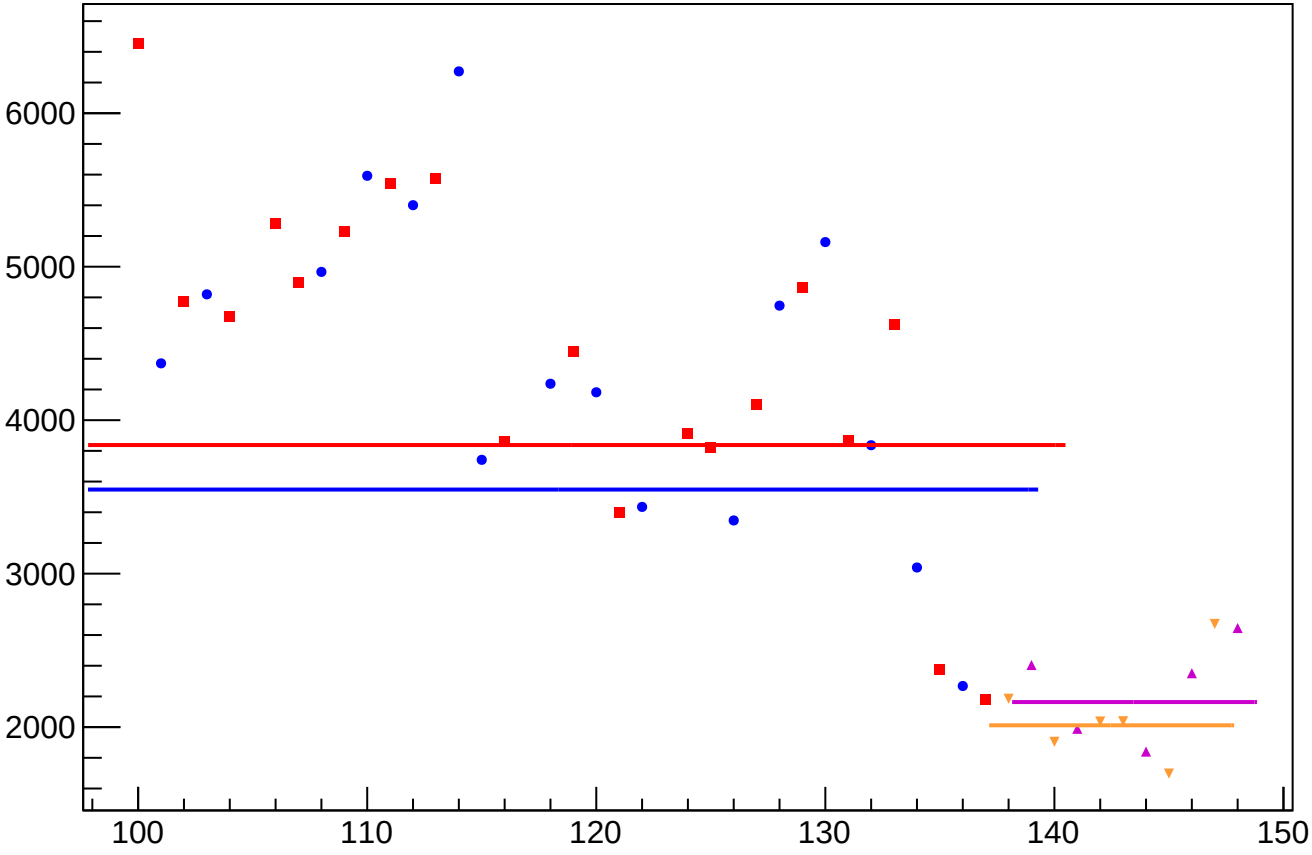
Left In: 1097.584+/-1048.186 χ^2/NDF:2.8/4

+ sign -1497.071+/-788.531 χ^2/NDF: 28.9/21

All: -616.132+/-578.594 χ^2/NDF: 50.4/45

- sign 411.401+/-851.616 χ^2/NDF: 18.7/23

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

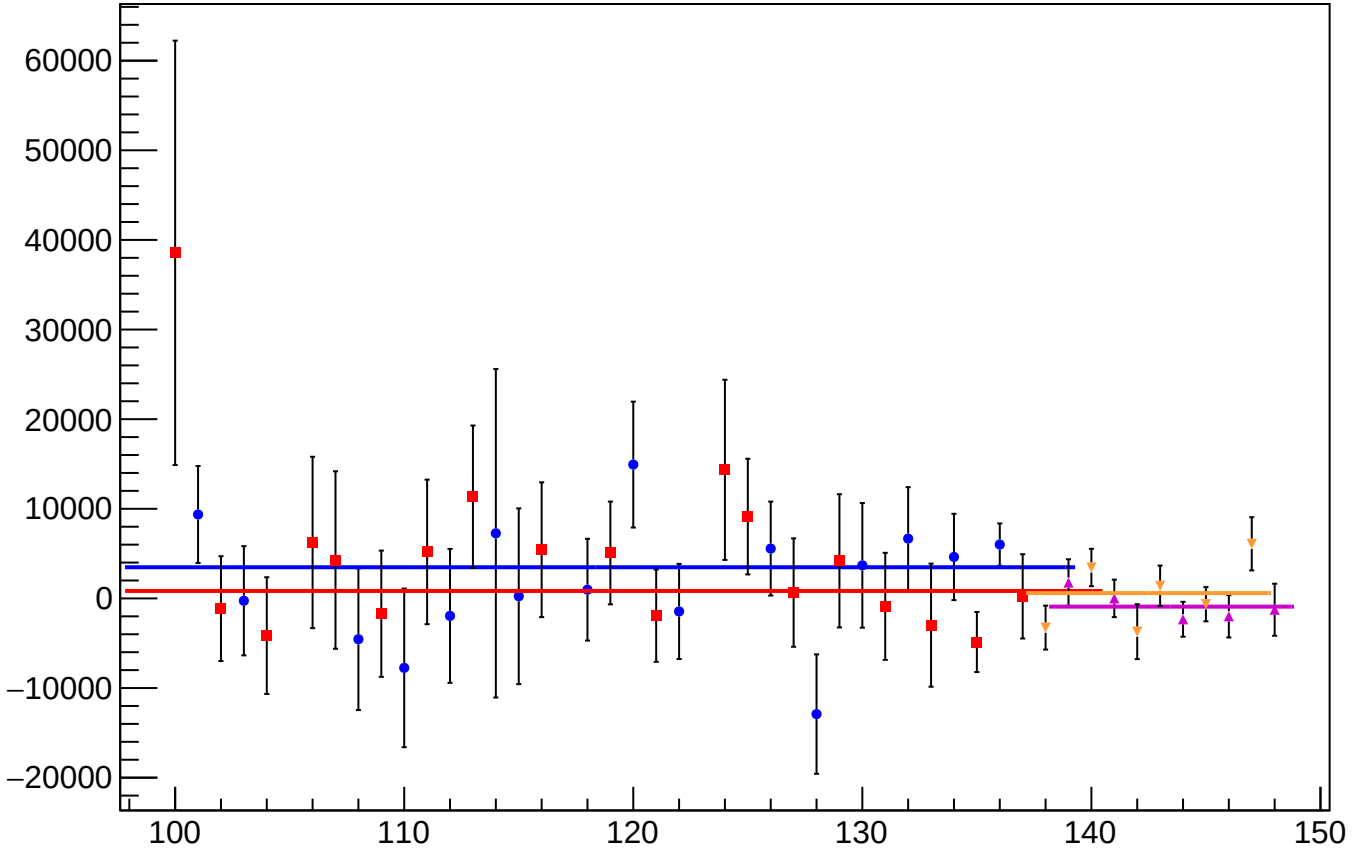
Left In: 2163.368+/-0.741 χ^2/NDF:152091.3/4

+ sign 2510.366+/-0.558 χ^2/NDF: 3093612.2/21

All: 2612.931+/-0.409 χ^2/NDF: 6209926.6/45

- sign 2732.562+/-0.602 χ^2/NDF: 3043010.6/23

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

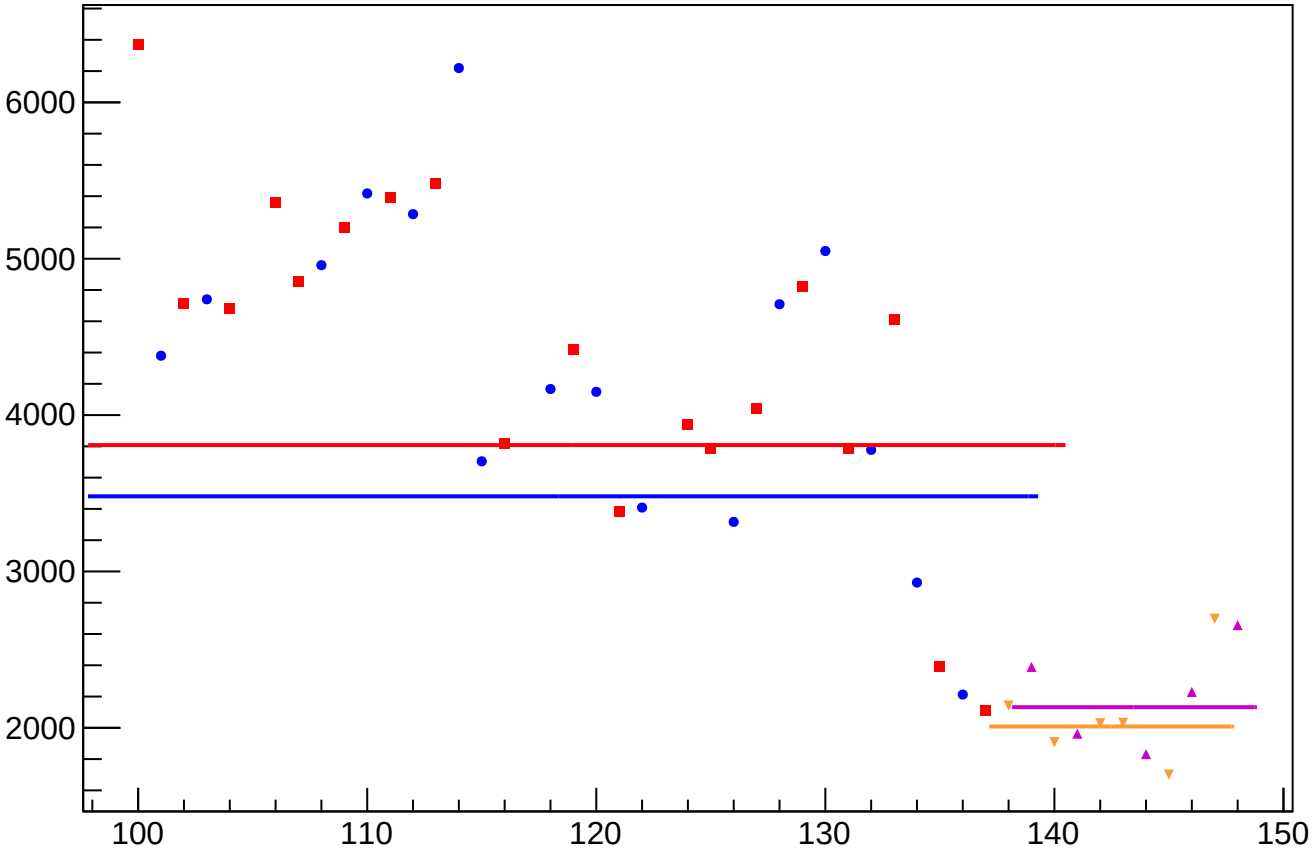
Left In: -916.623+/-1032.320 χ^2/NDF:2.0/4

+ sign 1550.970+/-783.753 χ^2/NDF: 29.6/21

All: 677.467+/-573.335 χ^2/NDF: 49.3/45

- sign -328.052+/-840.895 χ^2/NDF: 17.0/23

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

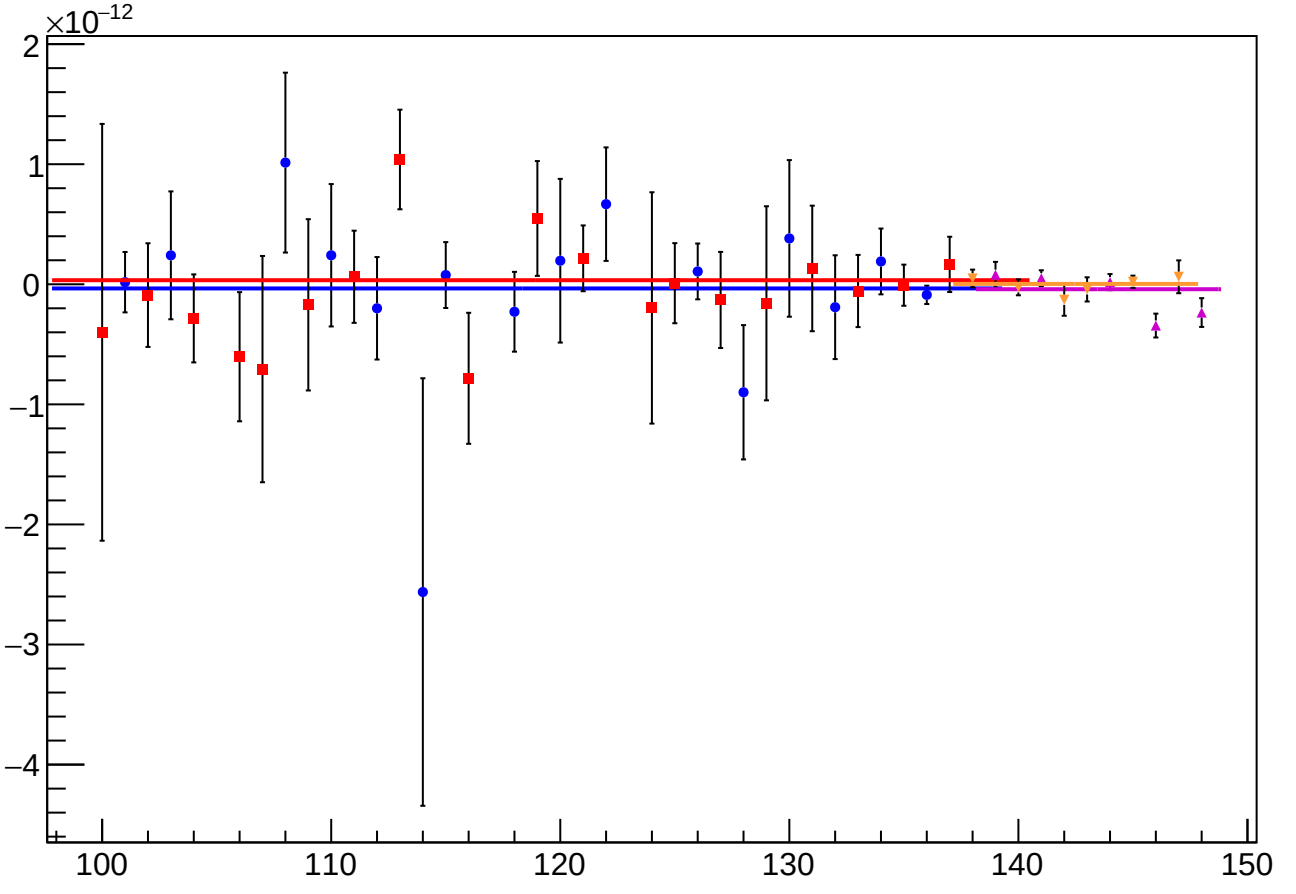
Left In: 2132.138+/-0.730 χ^2/NDF:149044.8/4

+ sign 2497.121+/-0.554 χ^2/NDF: 3031962.4/21

All: 2589.612+/-0.405 χ^2/NDF: 6162324.3/45

- sign 2696.081+/-0.595 χ^2/NDF: 3070446.9/23

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/5

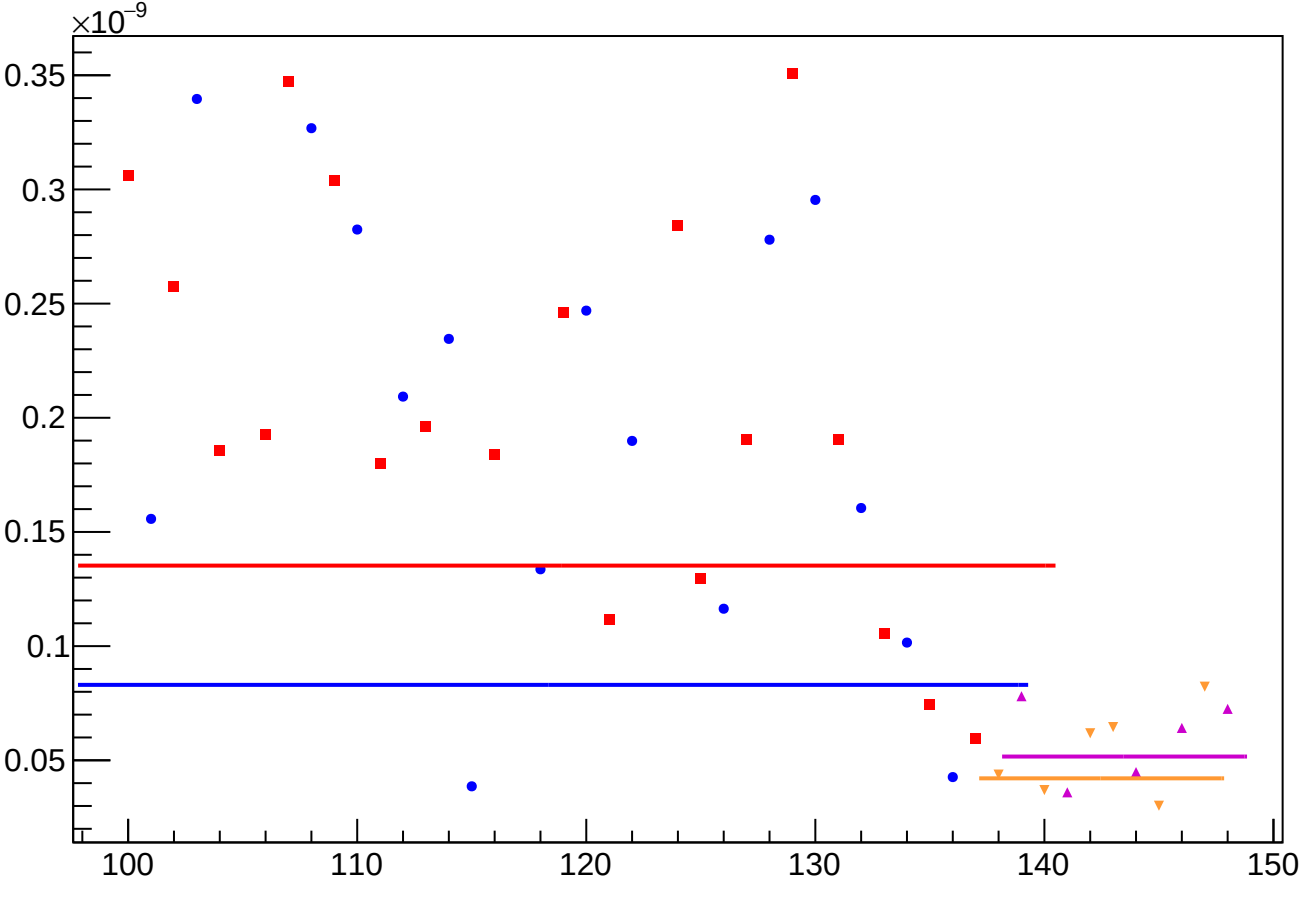
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.3/21

All: -0.000+/-0.000 χ^2/NDF: 44.6/45

- sign -0.000+/-0.000 χ^2/NDF: 30.0/23



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

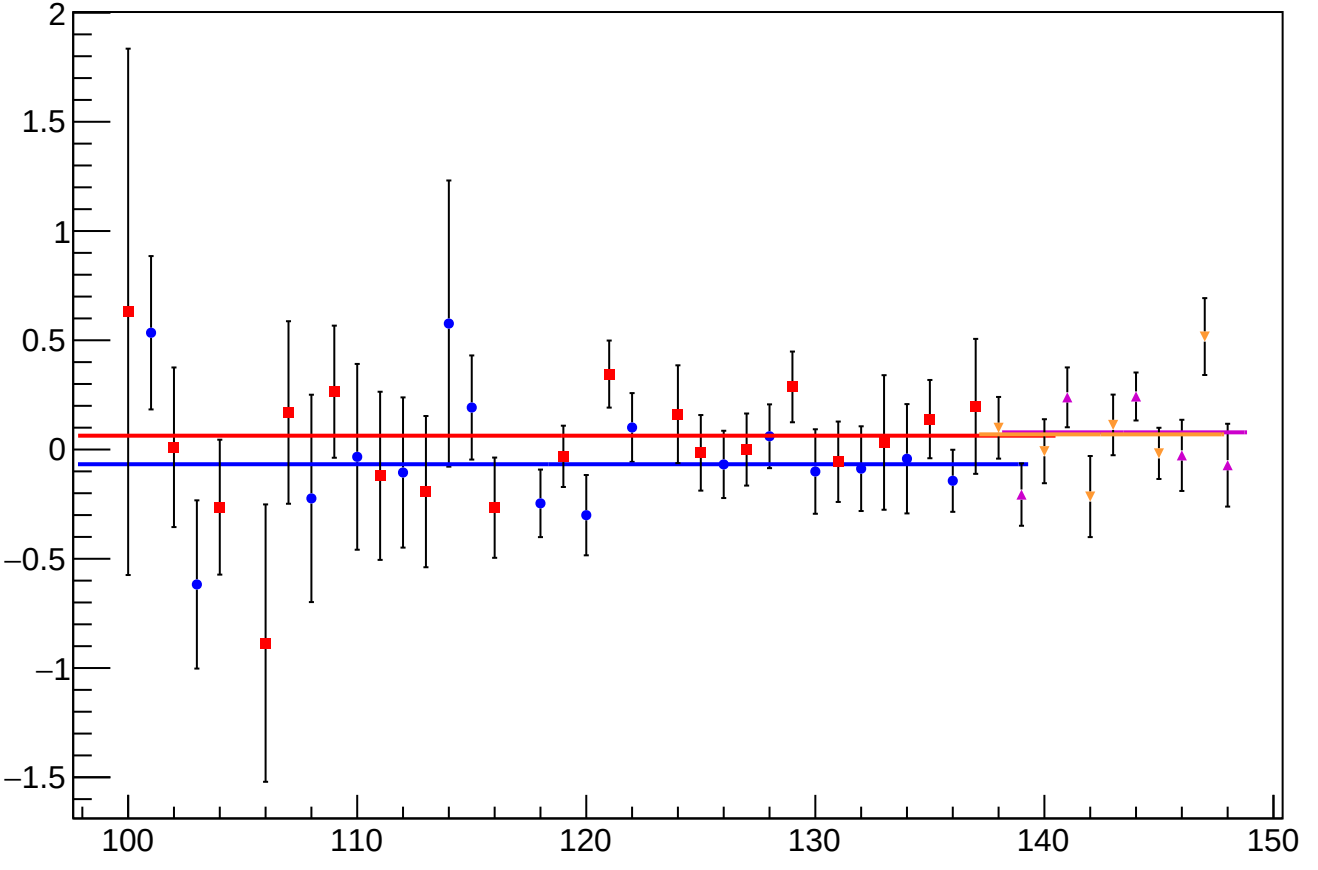
Left In: 0.000+/-0.000 χ^2/NDF:345804.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 3859116.9/21

All: 0.000+/-0.000 χ^2/NDF: 7445585.9/45

- sign 0.000+/-0.000 χ^2/NDF: 3370647.4/23

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

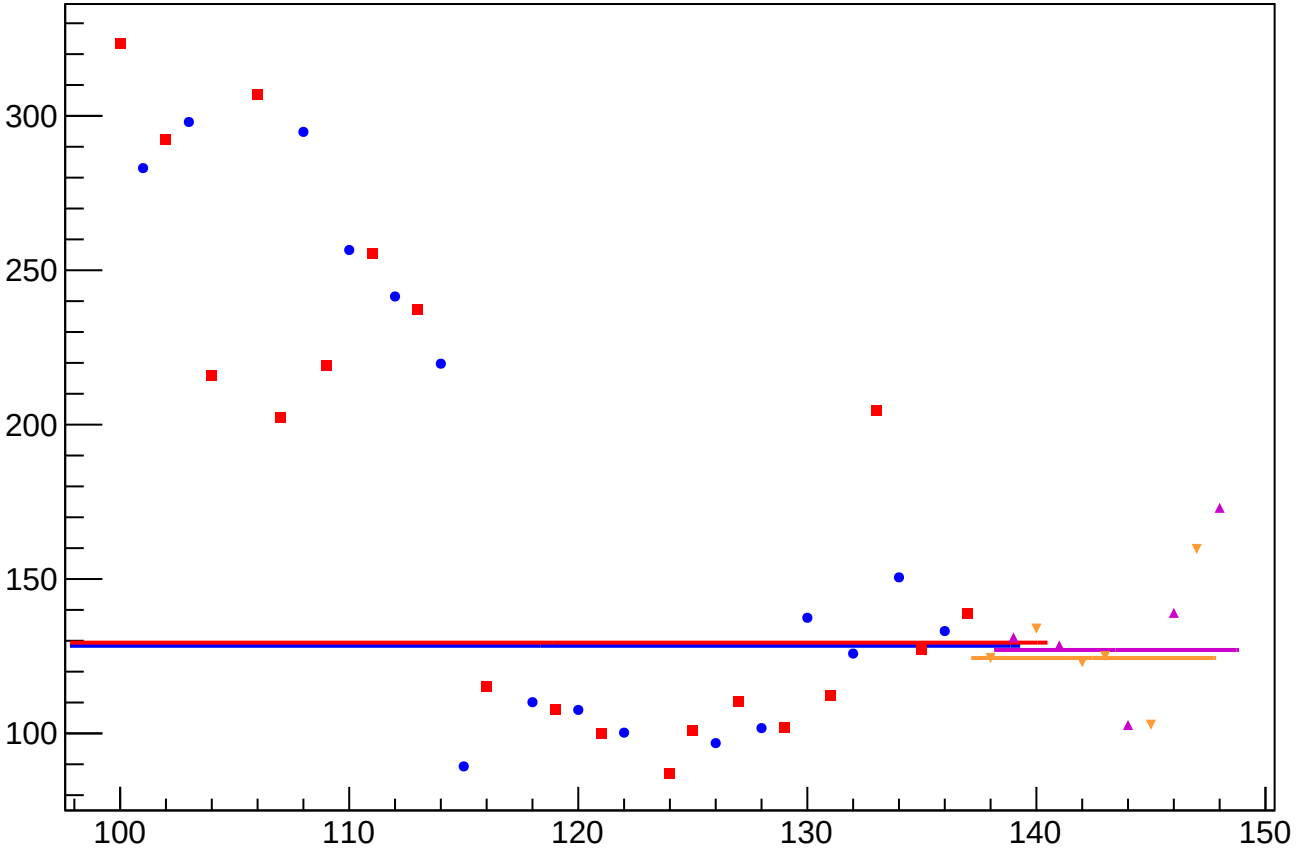
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

\+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.030+/-0.028 χ^2/NDF: 49.9/45

\- sign 0.069+/-0.040 χ^2/NDF: 22.7/23

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

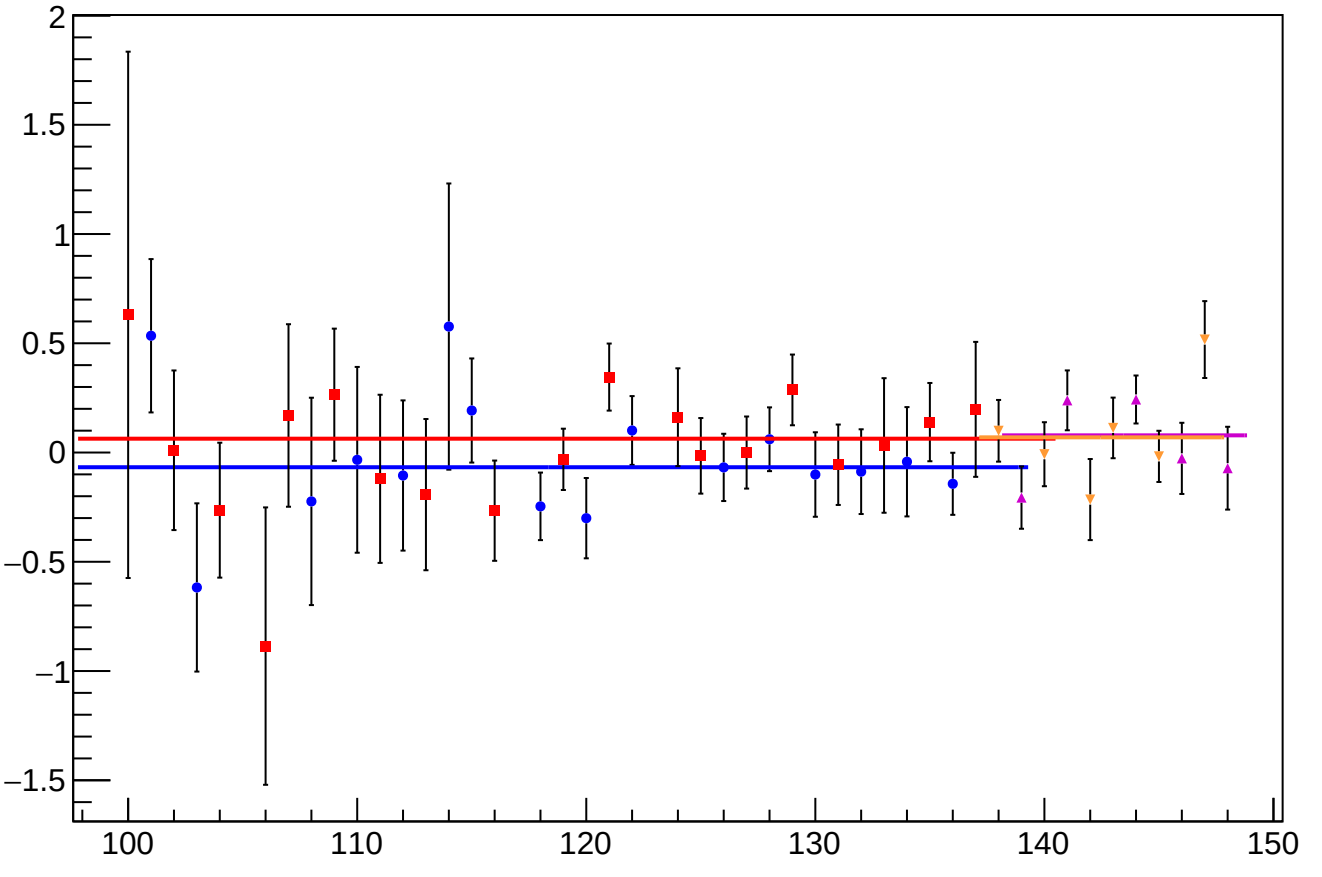
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

+ sign 126.676+/-0.028 χ^2/NDF: 1967364.8/21

All: 127.541+/-0.020 χ^2/NDF: 4087913.2/45

- sign 128.447+/-0.028 χ^2/NDF: 2118537.3/23



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

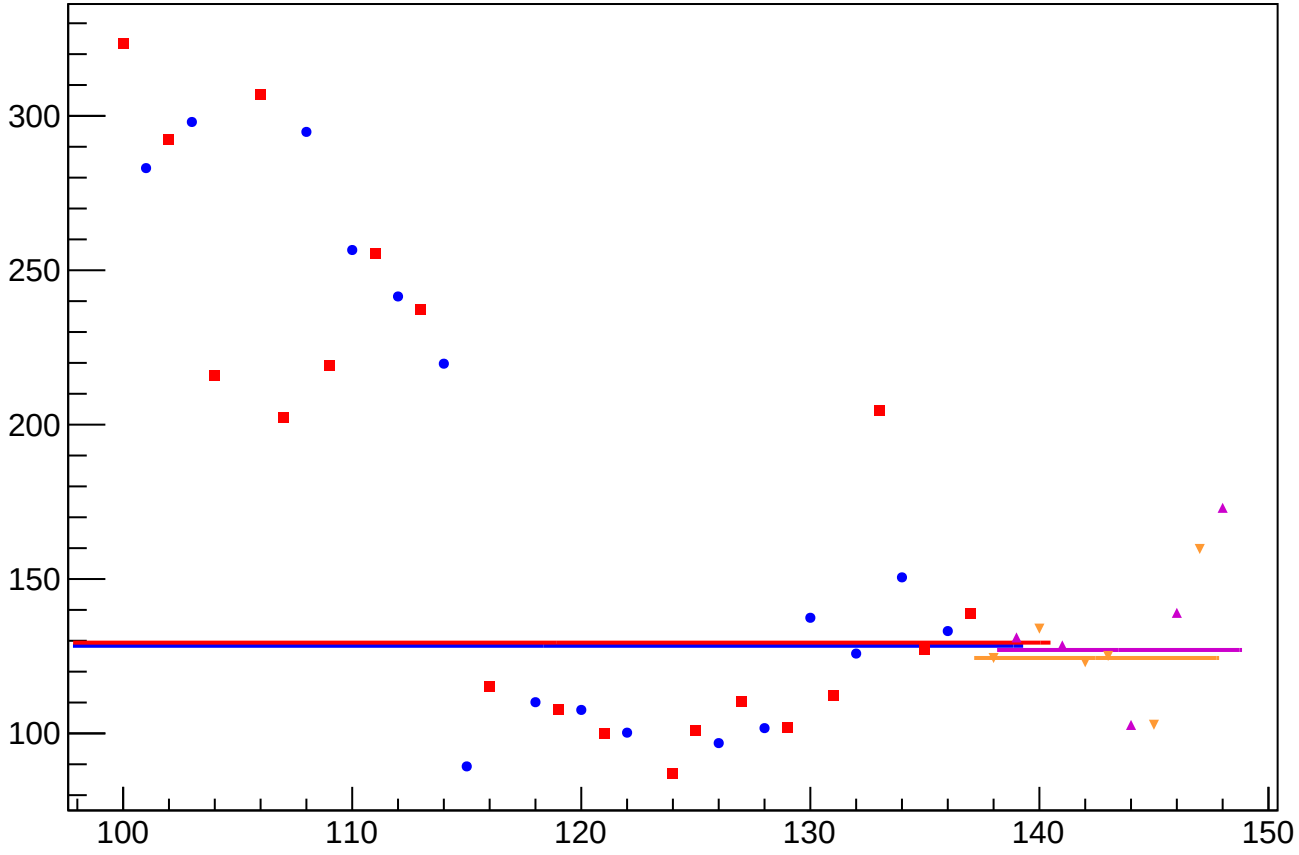
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.030+/-0.028 χ^2/NDF: 49.9/45

- sign 0.069+/-0.040 χ^2/NDF: 22.7/23

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

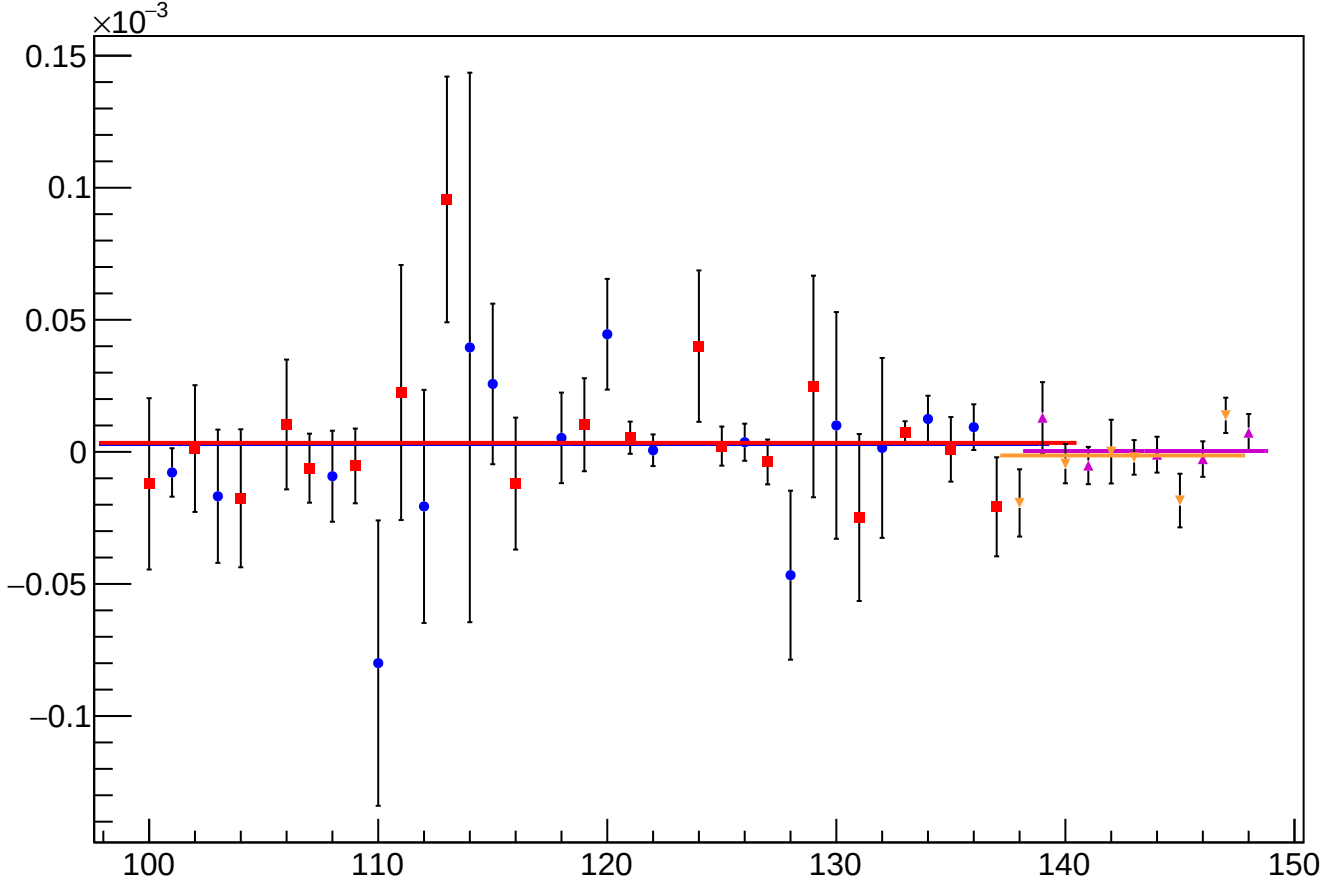
Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

+ sign 126.676+/-0.028 χ^2/NDF: 1967364.8/21

All: 127.541+/-0.020 χ^2/NDF: 4087913.2/45

- sign 128.447+/-0.028 χ^2/NDF: 2118537.3/23

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

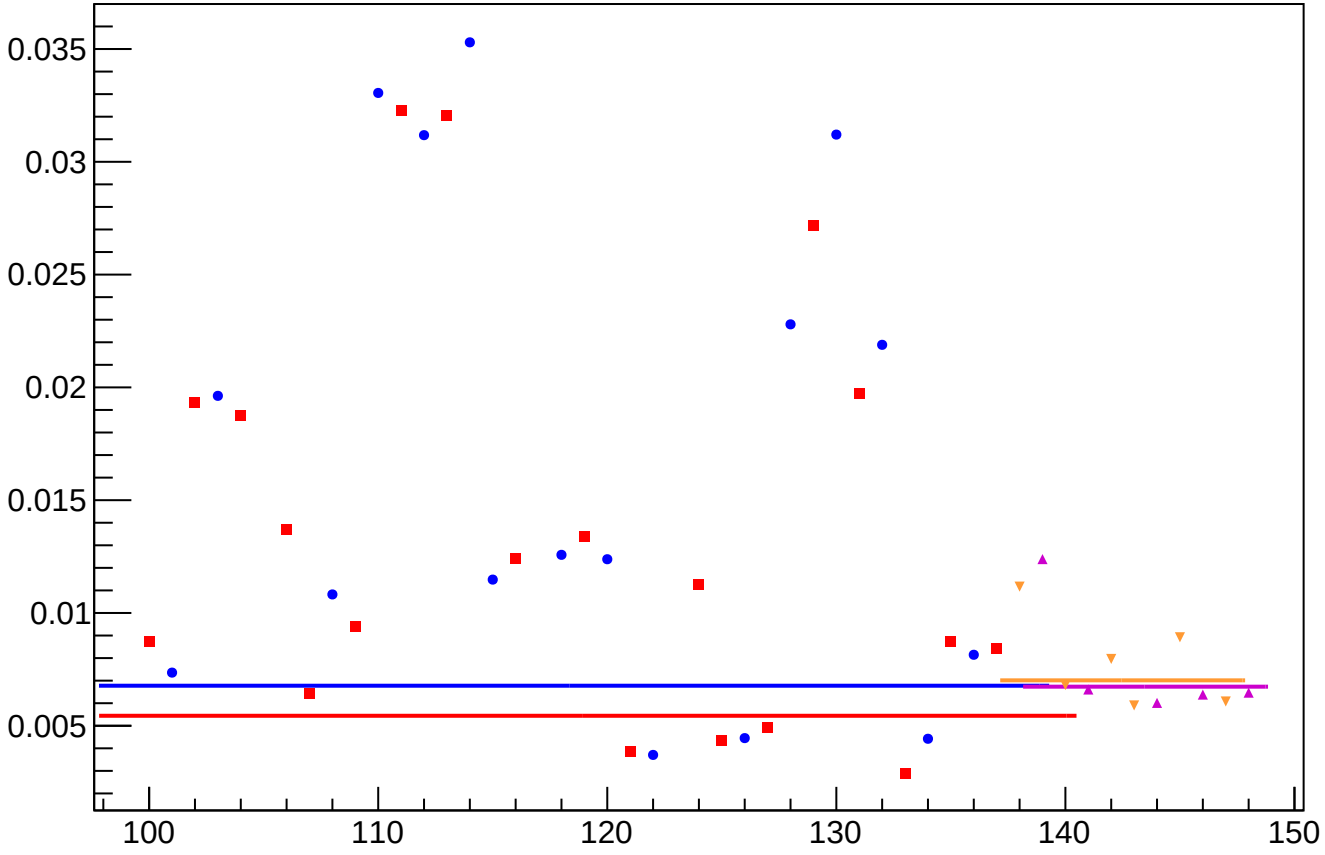
Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/21

All: 0.000+/-0.000 χ^2/NDF: 41.1/45

- sign 0.000+/-0.000 χ^2/NDF: 15.8/23

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

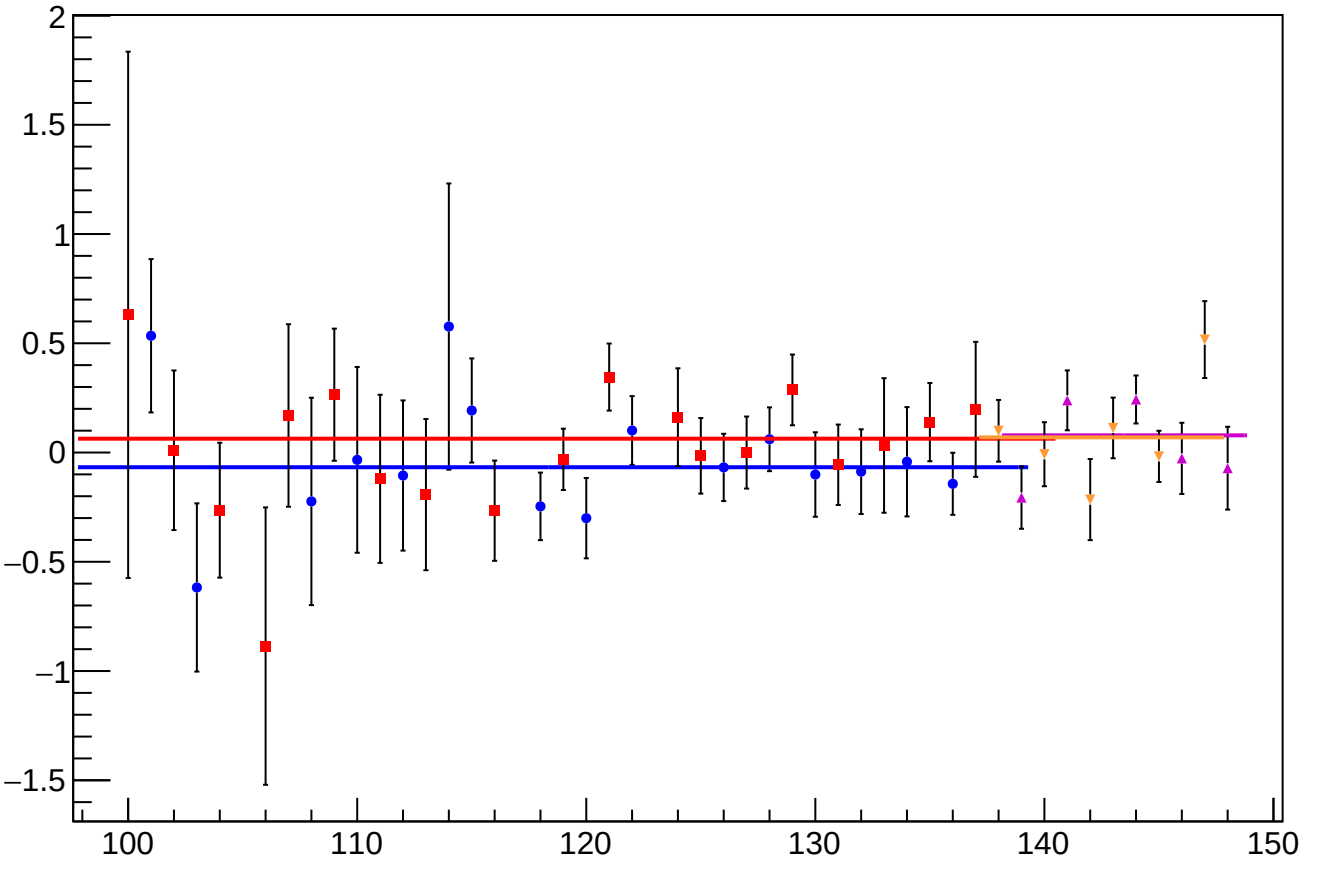
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:383608.5/4

+ sign 0.007+/-0.000 χ^2/NDF: 5171965.1/21

All: 0.006+/-0.000 χ^2/NDF: 11506078.0/45

- sign 0.006+/-0.000 χ^2/NDF: 6141759.5/23



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

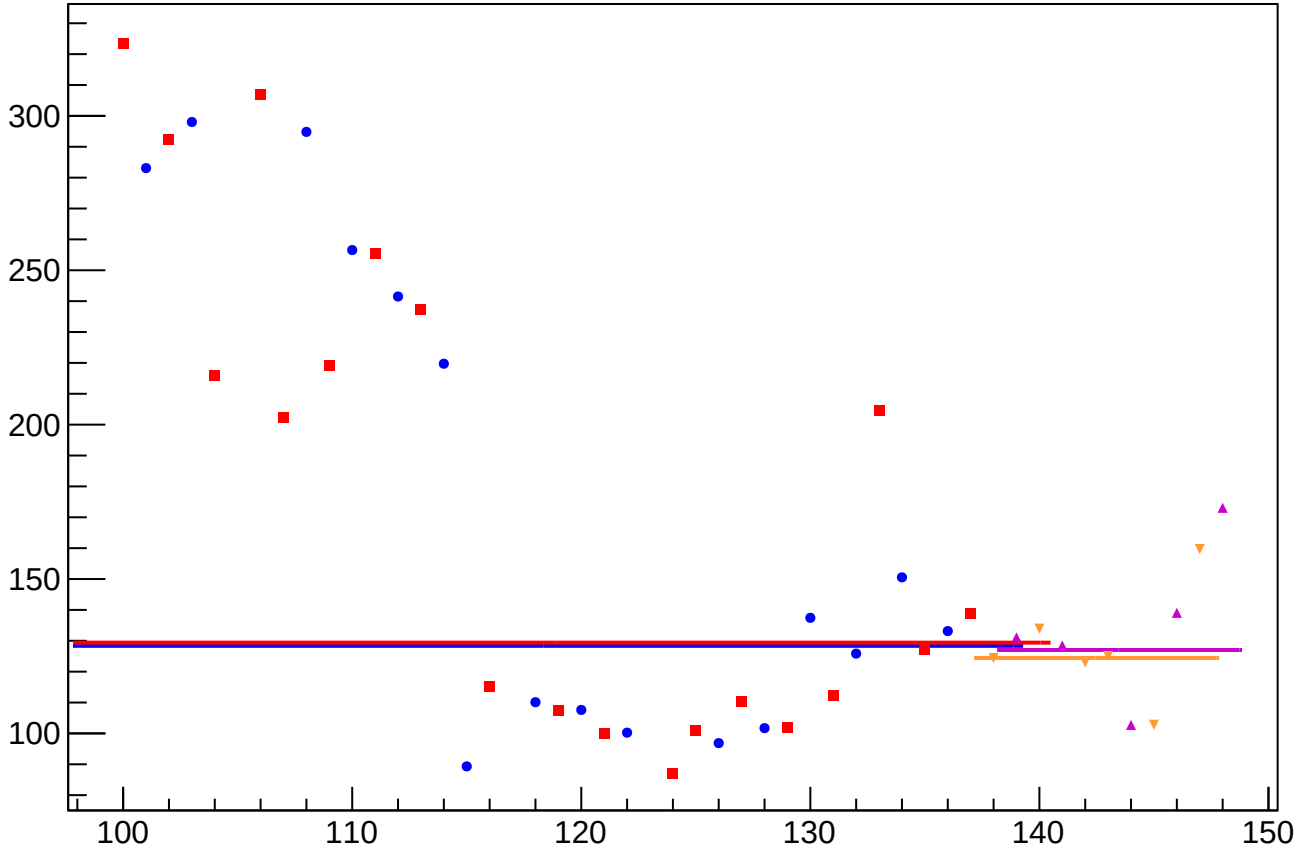
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.030+/-0.028 χ^2/NDF: 49.9/45

- sign 0.069+/-0.040 χ^2/NDF: 22.7/23

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

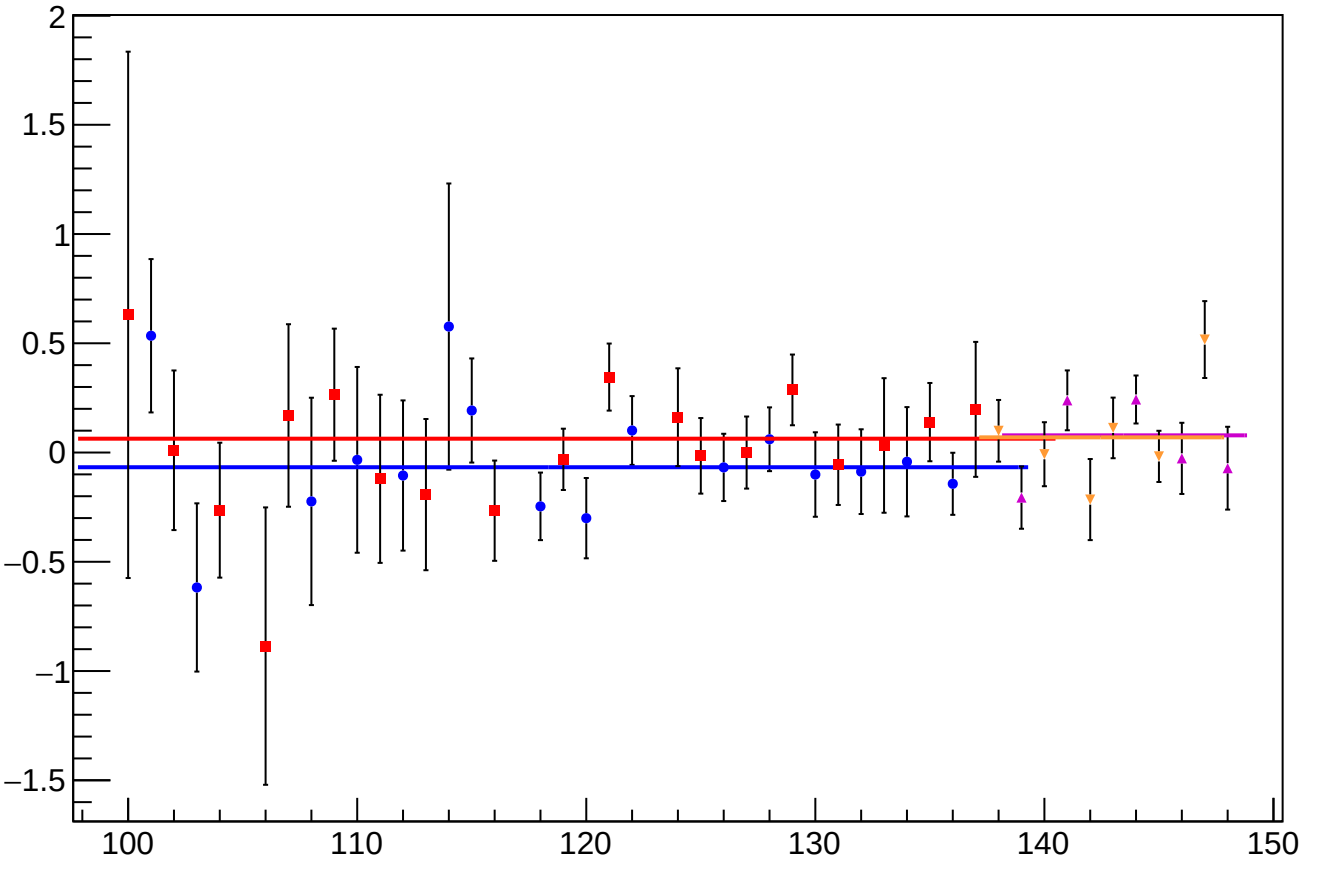
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

+ sign 126.674+/-0.028 χ^2/NDF: 1967314.0/21

All: 127.539+/-0.020 χ^2/NDF: 4087856.4/45

- sign 128.446+/-0.028 χ^2/NDF: 2118531.5/23



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

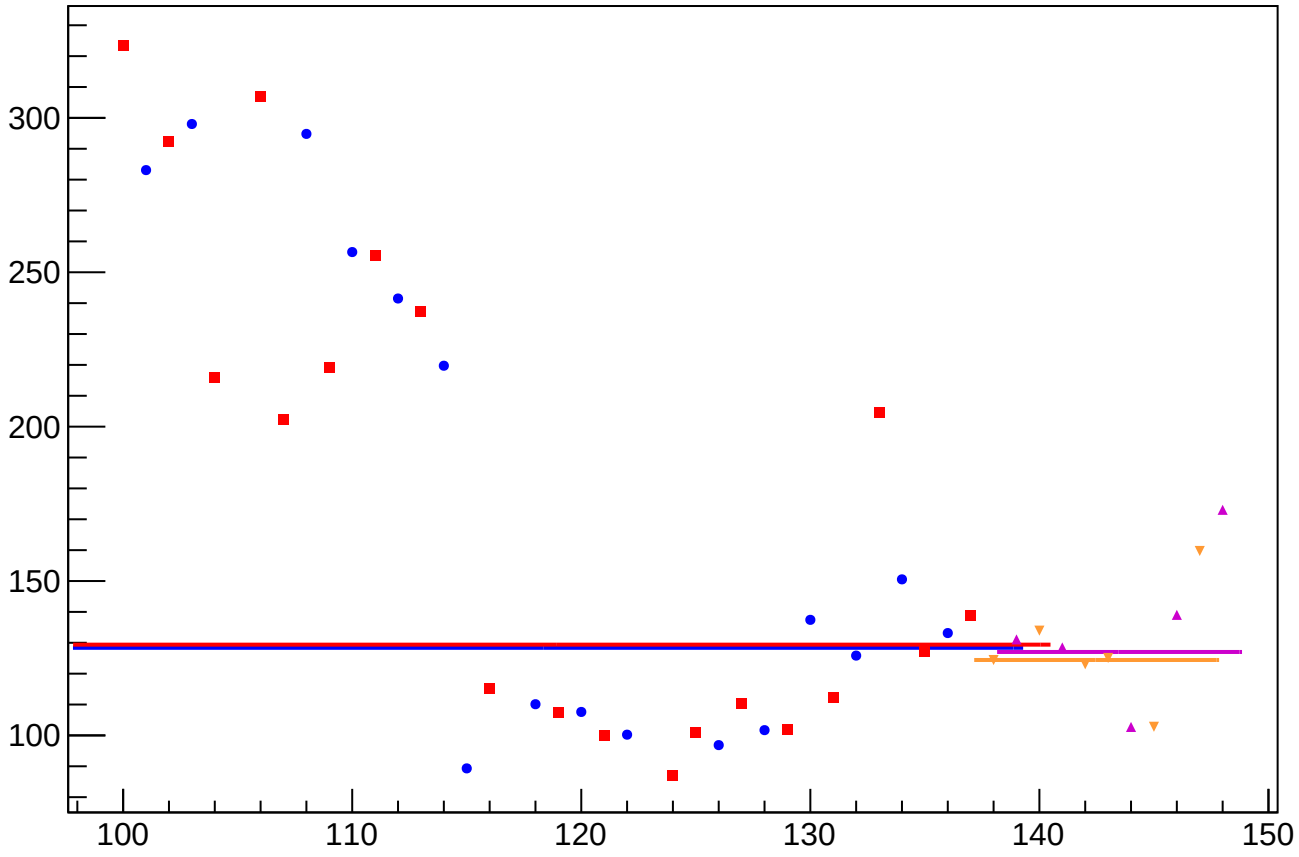
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

\+ sign -0.008+/-0.039 χ^2/NDF: 25.3/21

All: 0.030+/-0.028 χ^2/NDF: 49.9/45

\- sign 0.069+/-0.040 χ^2/NDF: 22.7/23



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

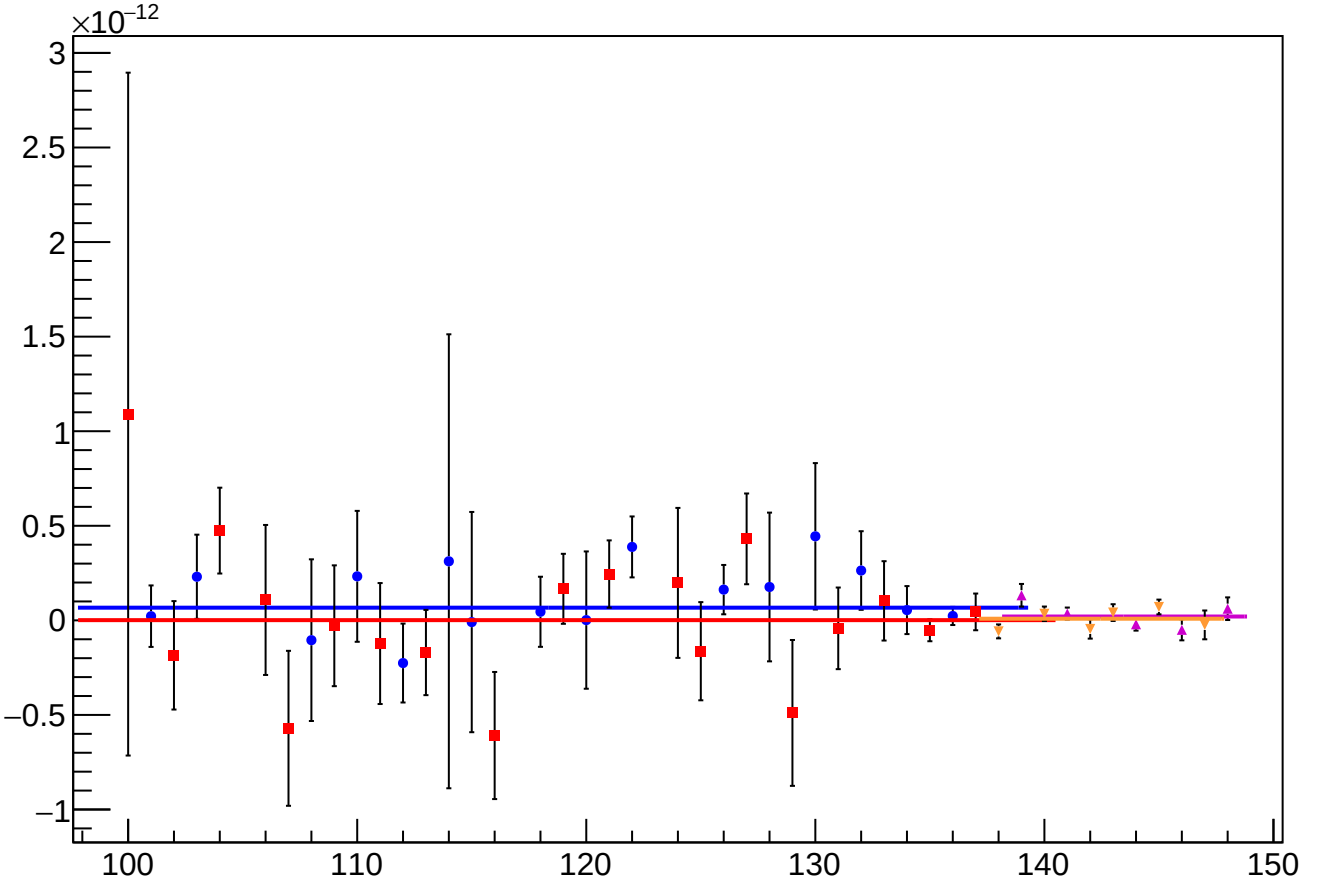
Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

+ sign 126.674+/-0.028 χ^2/NDF: 1967314.0/21

All: 127.539+/-0.020 χ^2/NDF: 4087856.4/45

- sign 128.446+/-0.028 χ^2/NDF: 2118531.5/23

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

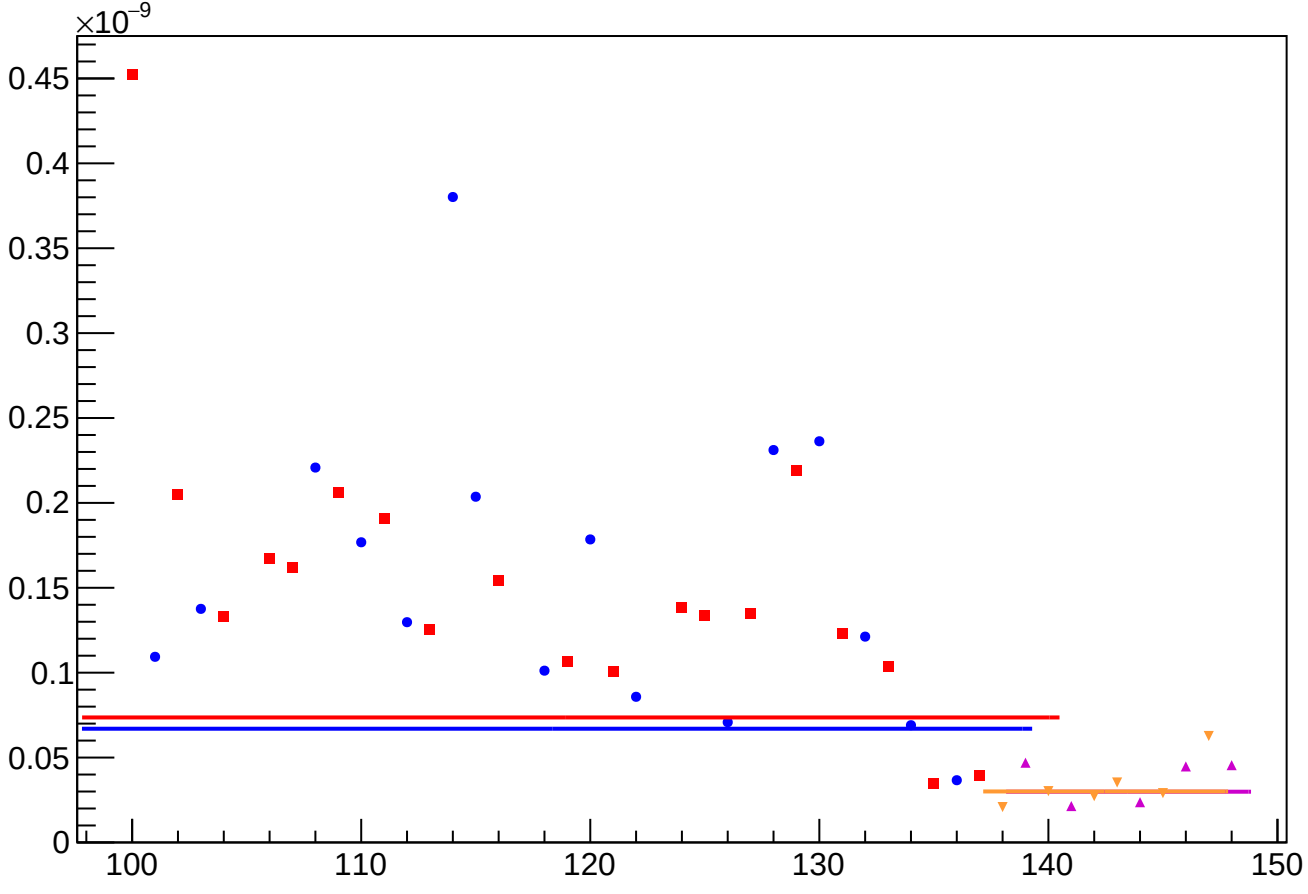
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.6/21

All: 0.000+/-0.000 χ^2/NDF: 48.8/45

- sign 0.000+/-0.000 χ^2/NDF: 28.1/23



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

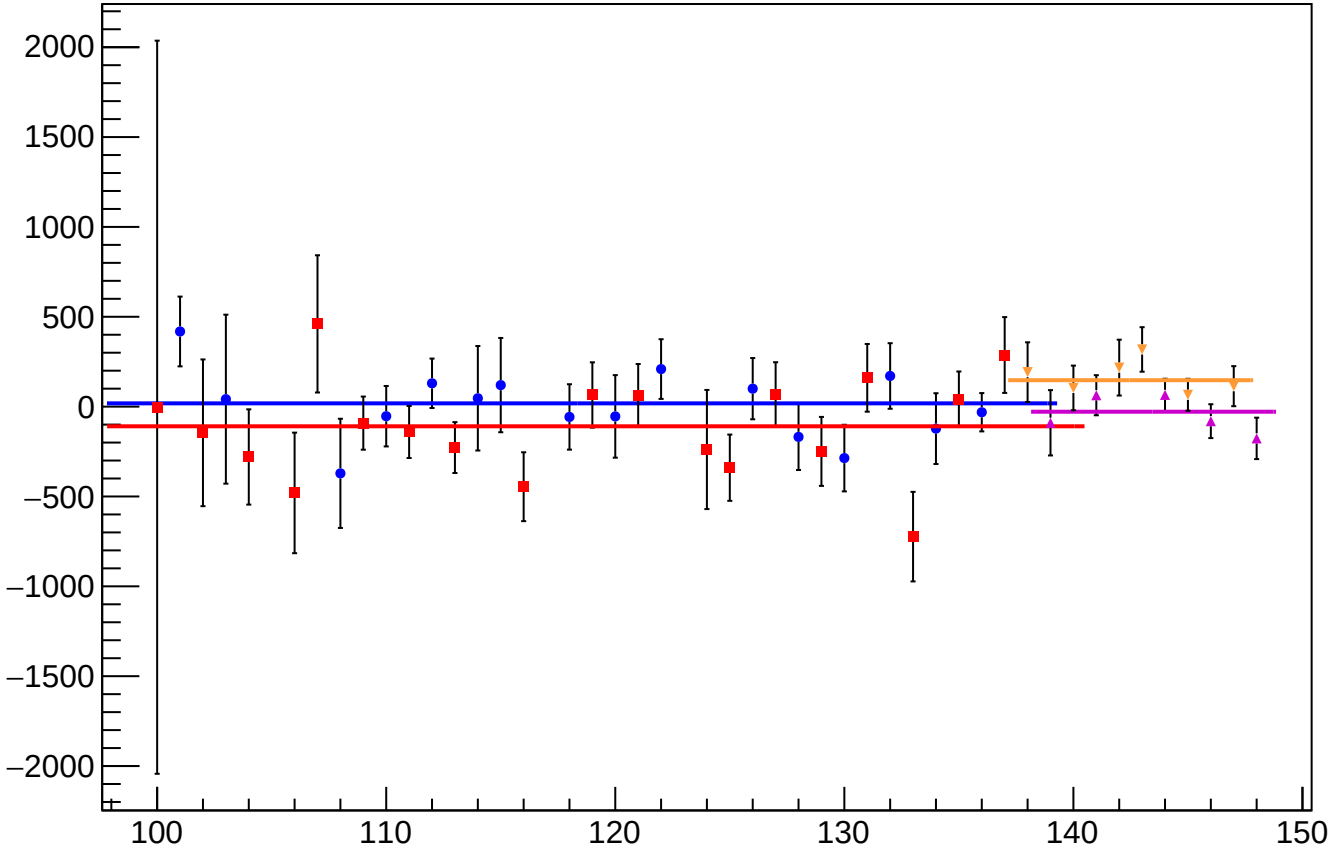
Left In: 0.000+/-0.000 χ^2/NDF:651703.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 5392293.2/21

All: 0.000+/-0.000 χ^2/NDF: 11700505.0/45

- sign 0.000+/-0.000 χ^2/NDF: 6305360.7/23

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

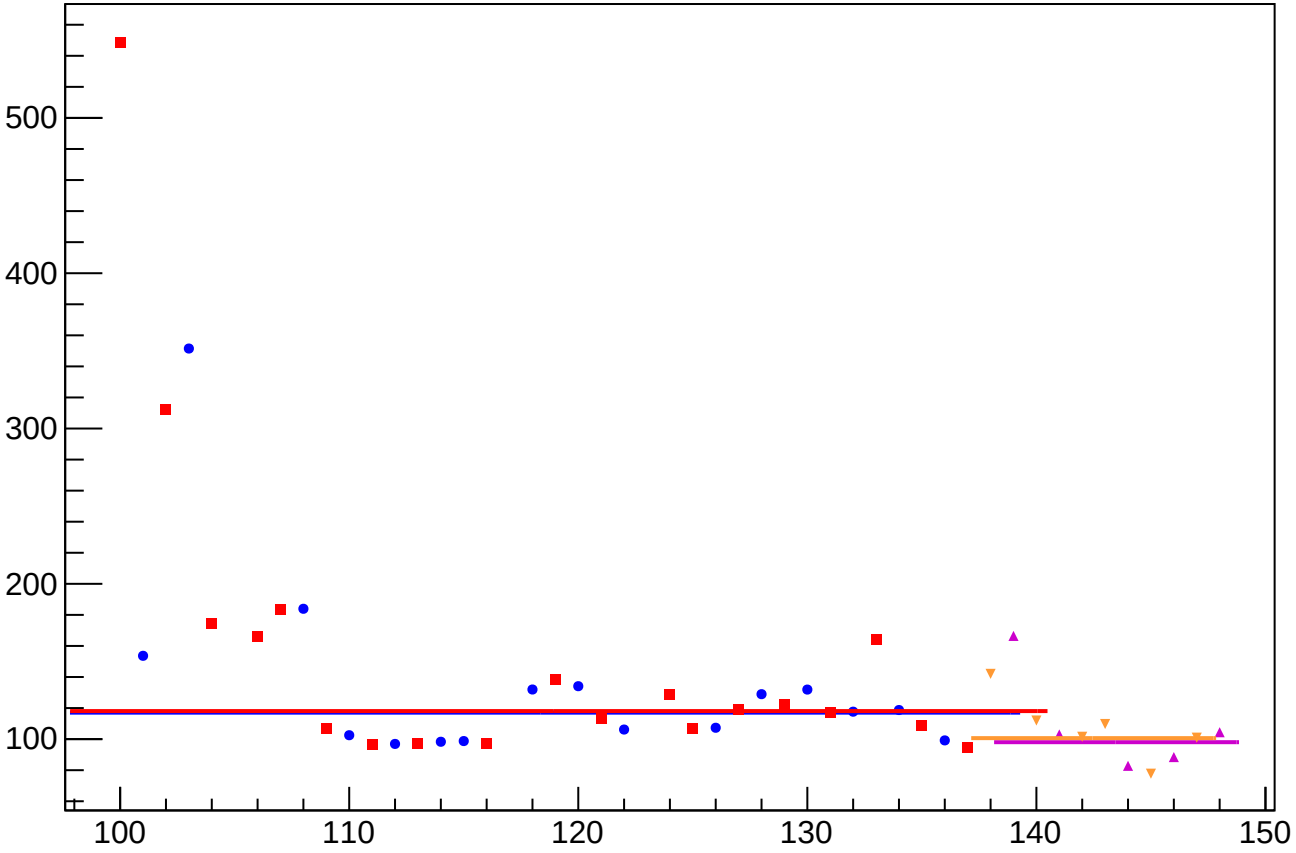
Left In: -28.437+/-48.684 χ^2/NDF:3.8/4

\+ sign 77.977+/-33.459 χ^2/NDF: 20.8/21

All: 3.094+/-23.627 χ^2/NDF: 61.5/45

\- sign -71.383+/-33.368 χ^2/NDF: 30.8/23

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

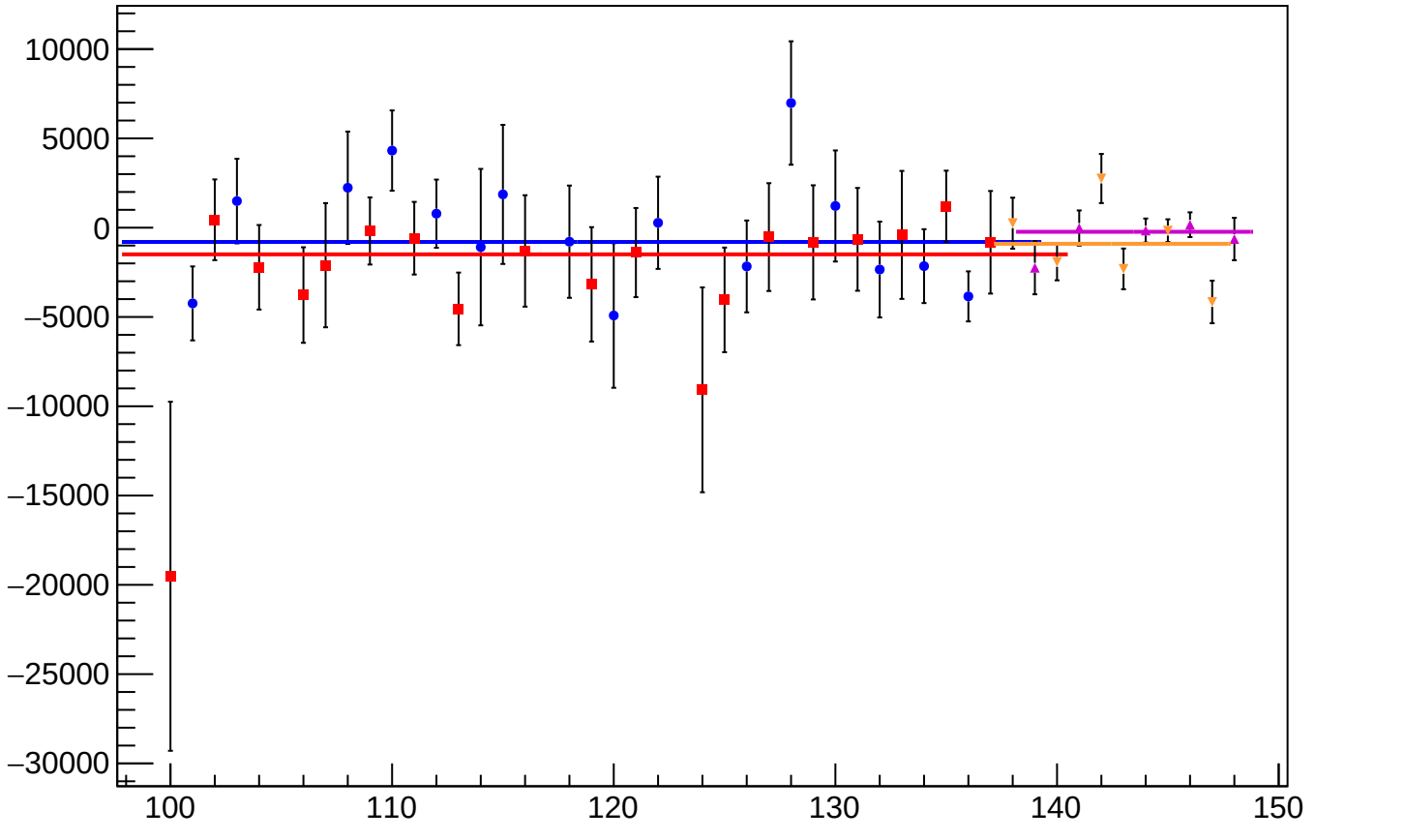
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 109.442+/-0.024 χ^2/NDF: 1262414.7/21

All: 109.045+/-0.017 χ^2/NDF: 2804667.6/45

- sign 108.650+/-0.024 χ^2/NDF: 1541691.8/23



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

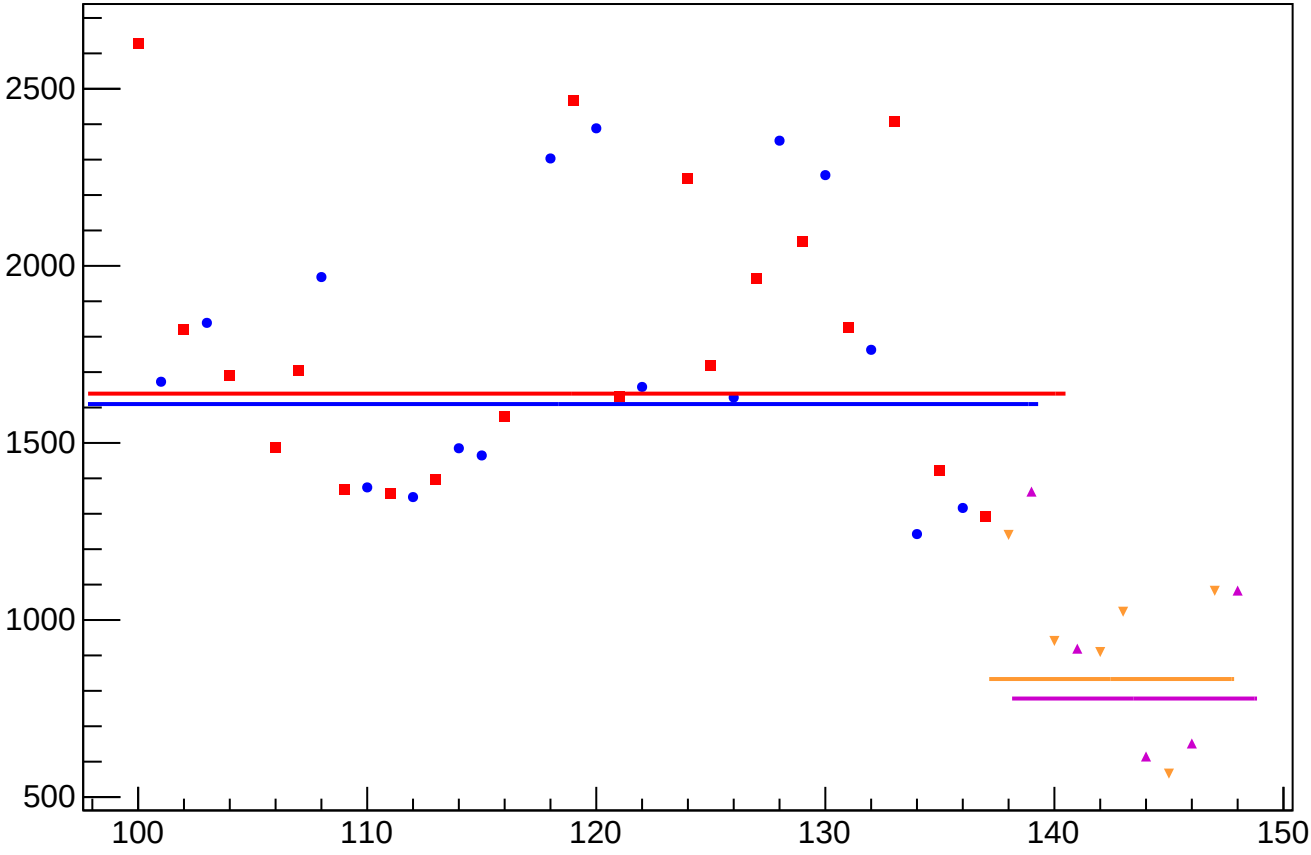
Left In: -229.980+/-392.347 χ^2/NDF:2.3/4

\+ sign -871.196+/-342.094 χ^2/NDF: 42.5/21

All: -729.465+/-237.681 χ^2/NDF: 61.1/45

\- sign -597.201+/-330.471 χ^2/NDF: 18.3/23

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

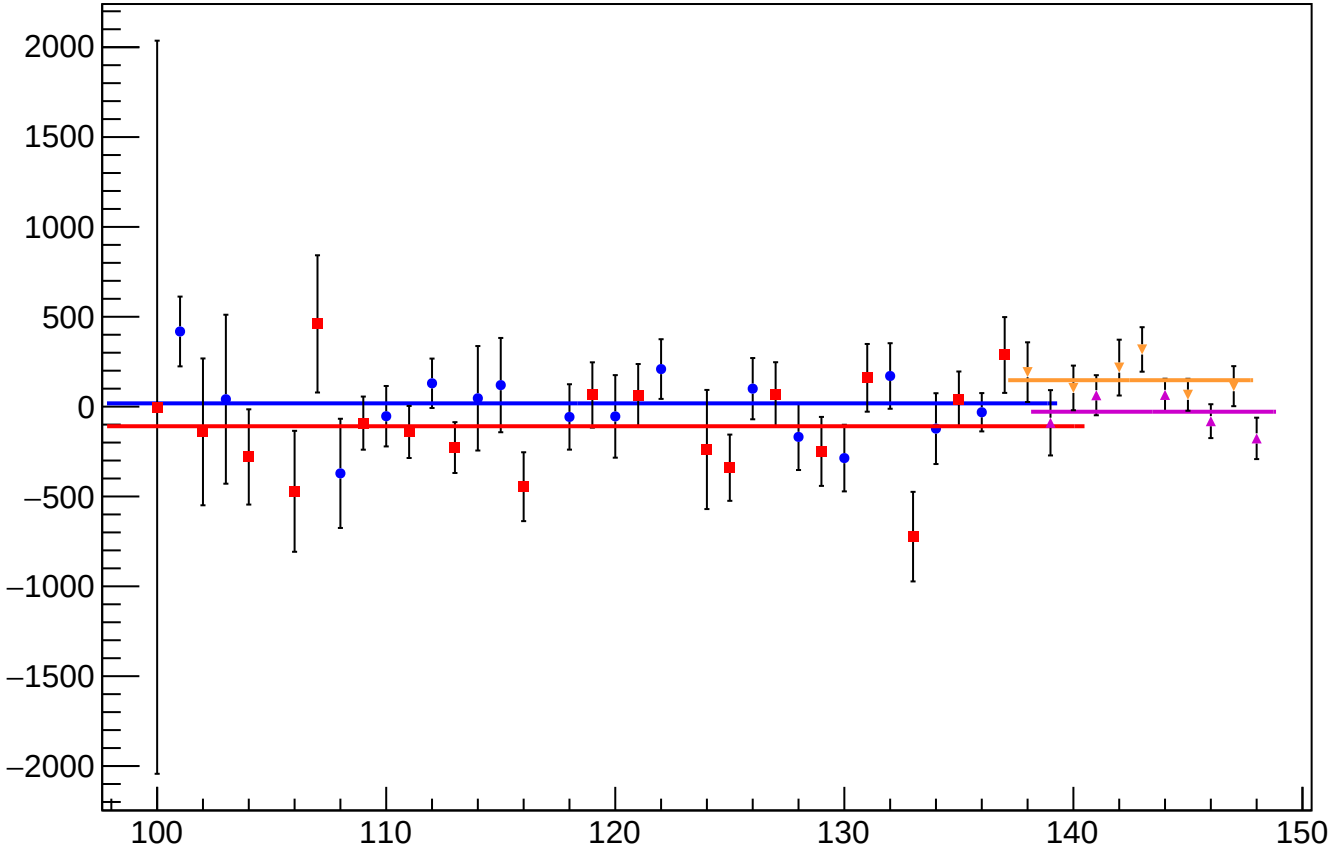
Left In: 778.280+/-0.277 χ^2/NDF:667927.6/4

+ sign 1072.817+/-0.242 χ^2/NDF: 3503371.1/21

All: 1049.854+/-0.168 χ^2/NDF: 7507015.5/45

- sign 1028.425+/-0.234 χ^2/NDF: 3986223.5/23

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

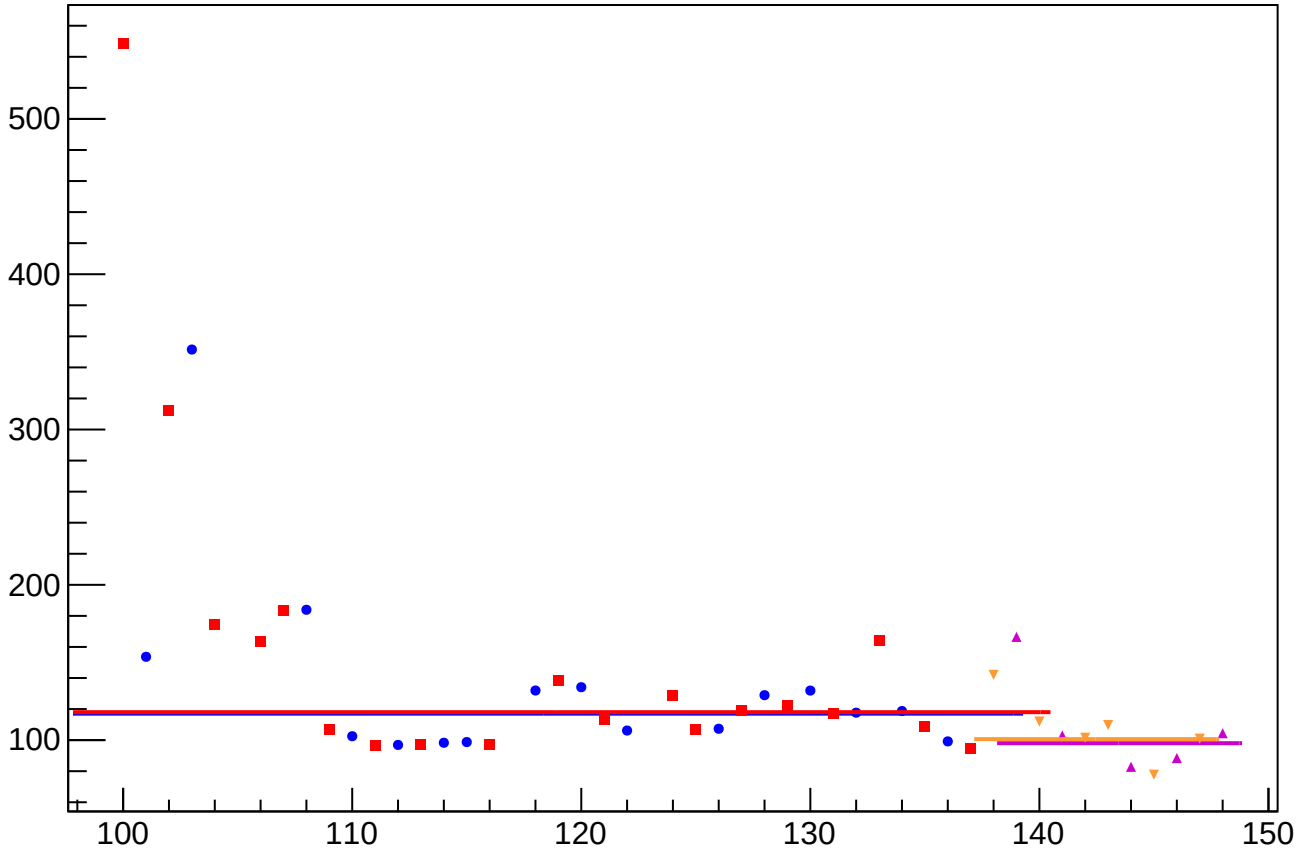
Left In: -28.439+/-48.684 χ^2/NDF:3.8/4

+ sign 77.975+/-33.459 χ^2/NDF: 20.8/21

All: 3.171+/-23.627 χ^2/NDF: 61.4/45

- sign -71.231+/-33.369 χ^2/NDF: 30.7/23

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

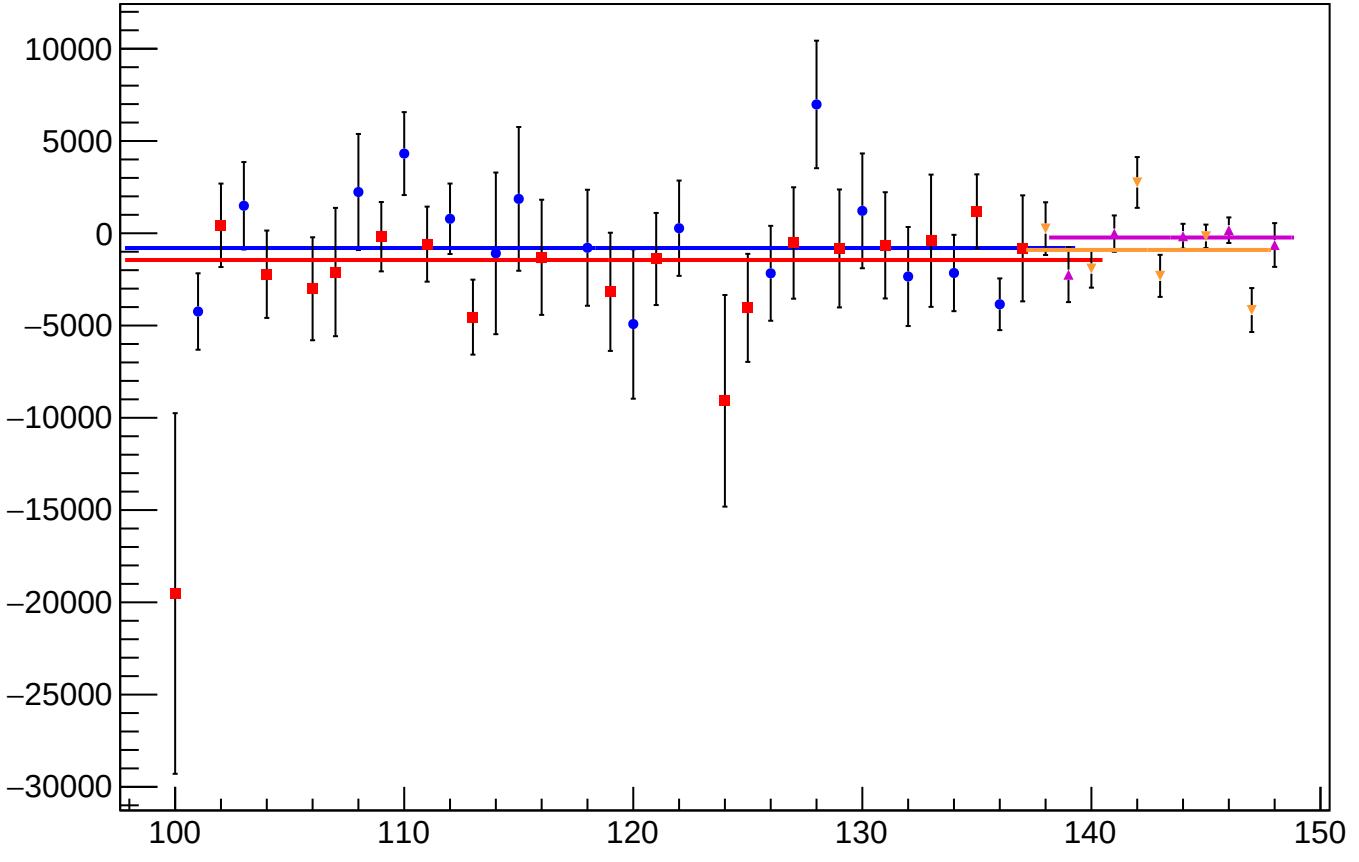
Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 109.442+/-0.024 χ^2/NDF: 1262416.6/21

All: 109.031+/-0.017 χ^2/NDF: 2799578.1/45

- sign 108.622+/-0.024 χ^2/NDF: 1536559.8/23

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

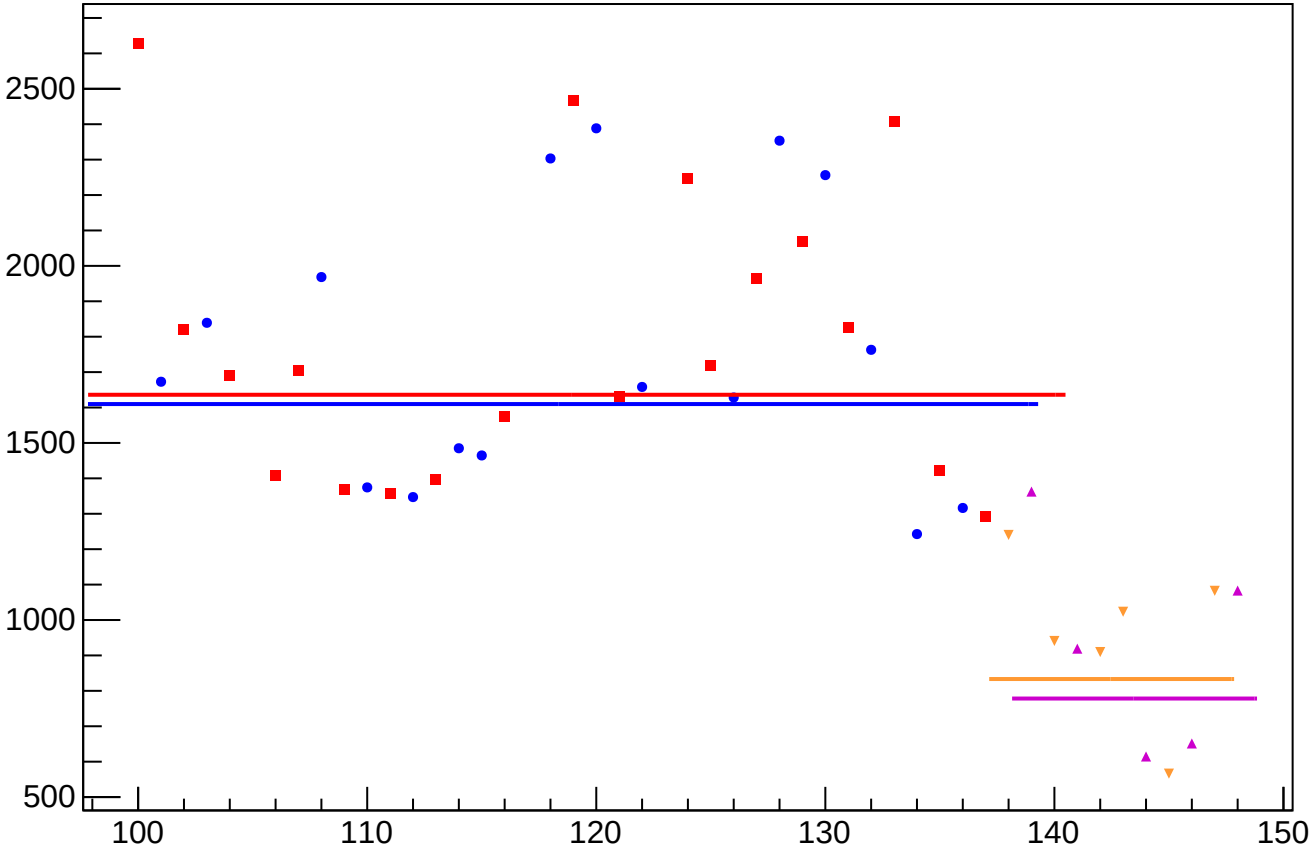
Left In: -229.991+/-392.347 χ^2/NDF:2.3/4

+ sign -871.183+/-342.095 χ^2/NDF: 42.5/21

All: -722.152+/-237.760 χ^2/NDF: 60.4/45

- sign -582.899+/-330.681 χ^2/NDF: 17.6/23

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

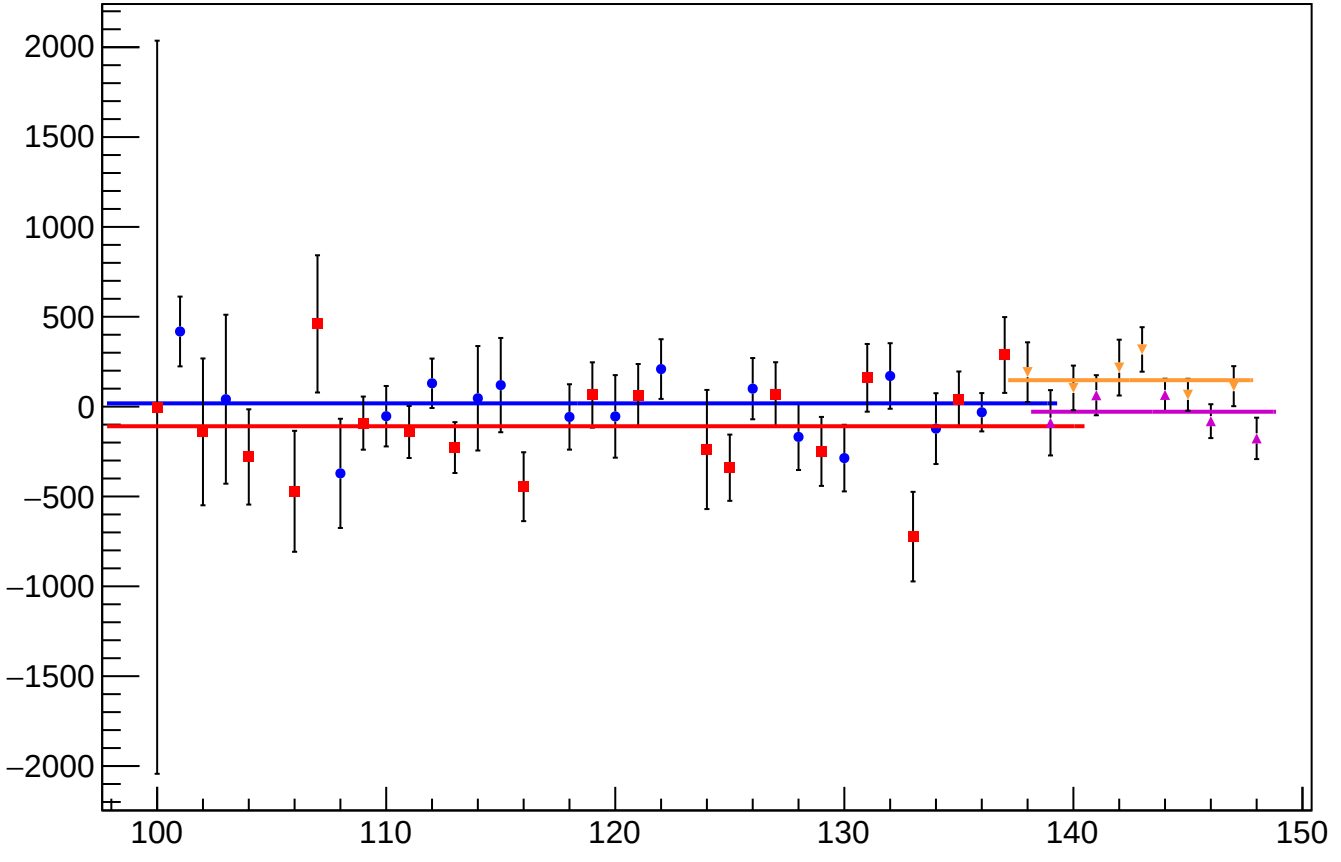
Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

+ sign 1072.817+/-0.242 χ^2/NDF: 3503433.4/21

All: 1048.988+/-0.168 χ^2/NDF: 7486696.9/45

- sign 1026.722+/-0.234 χ^2/NDF: 3964491.5/23

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

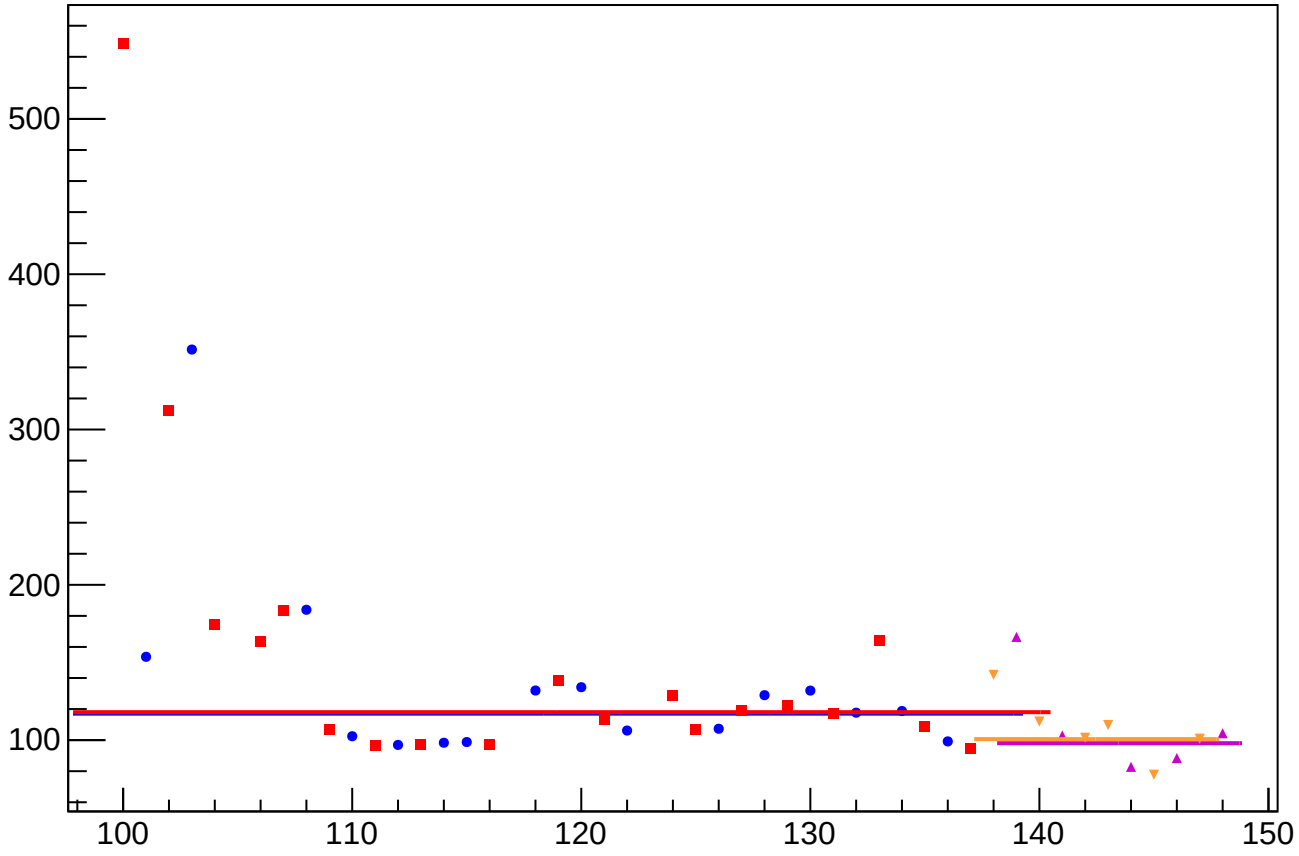
Left In: -28.439+/-48.684 χ^2/NDF:3.8/4

+ sign 77.975+/-33.459 χ^2/NDF: 20.8/21

All: 3.171+/-23.627 χ^2/NDF: 61.4/45

- sign -71.231+/-33.369 χ^2/NDF: 30.7/23

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

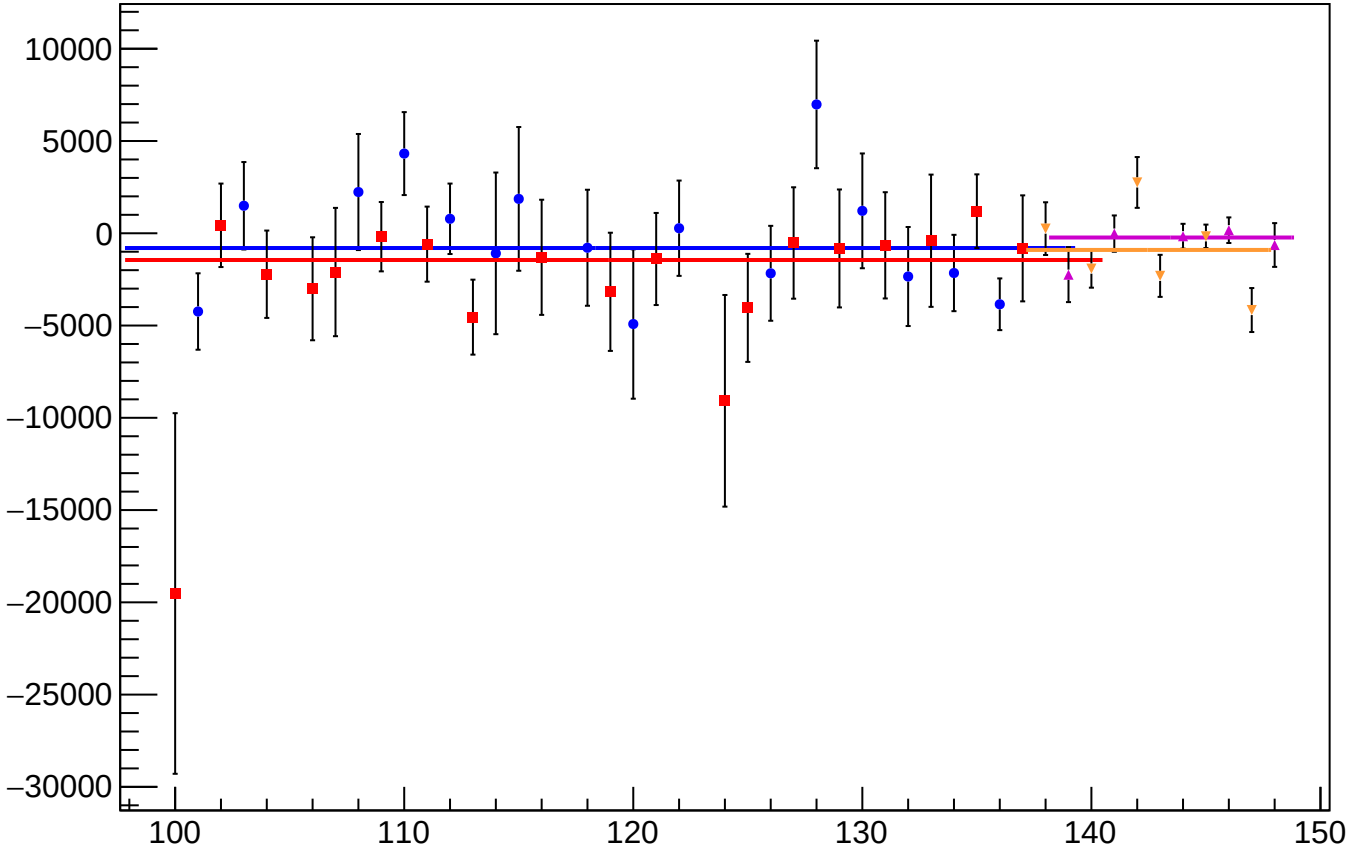
Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 109.442+/-0.024 χ^2/NDF: 1262416.6/21

All: 109.031+/-0.017 χ^2/NDF: 2799578.1/45

- sign 108.622+/-0.024 χ^2/NDF: 1536559.8/23

asym_sam3_eigen_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

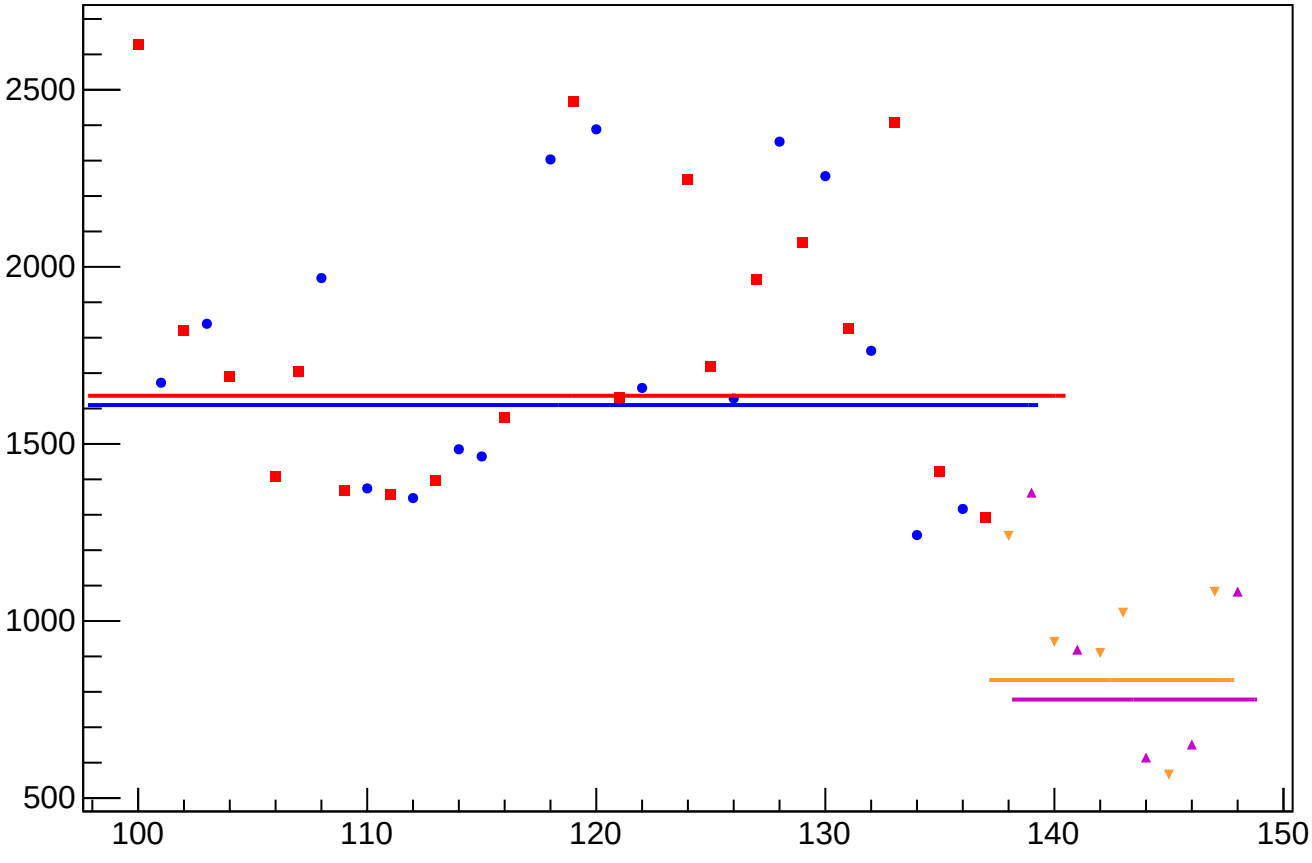
Left In: -229.991+/-392.347 χ^2/NDF:2.3/4

+ sign -871.183+/-342.095 χ^2/NDF: 42.5/21

All: -722.152+/-237.760 χ^2/NDF: 60.4/45

- sign -582.899+/-330.681 χ^2/NDF: 17.6/23

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

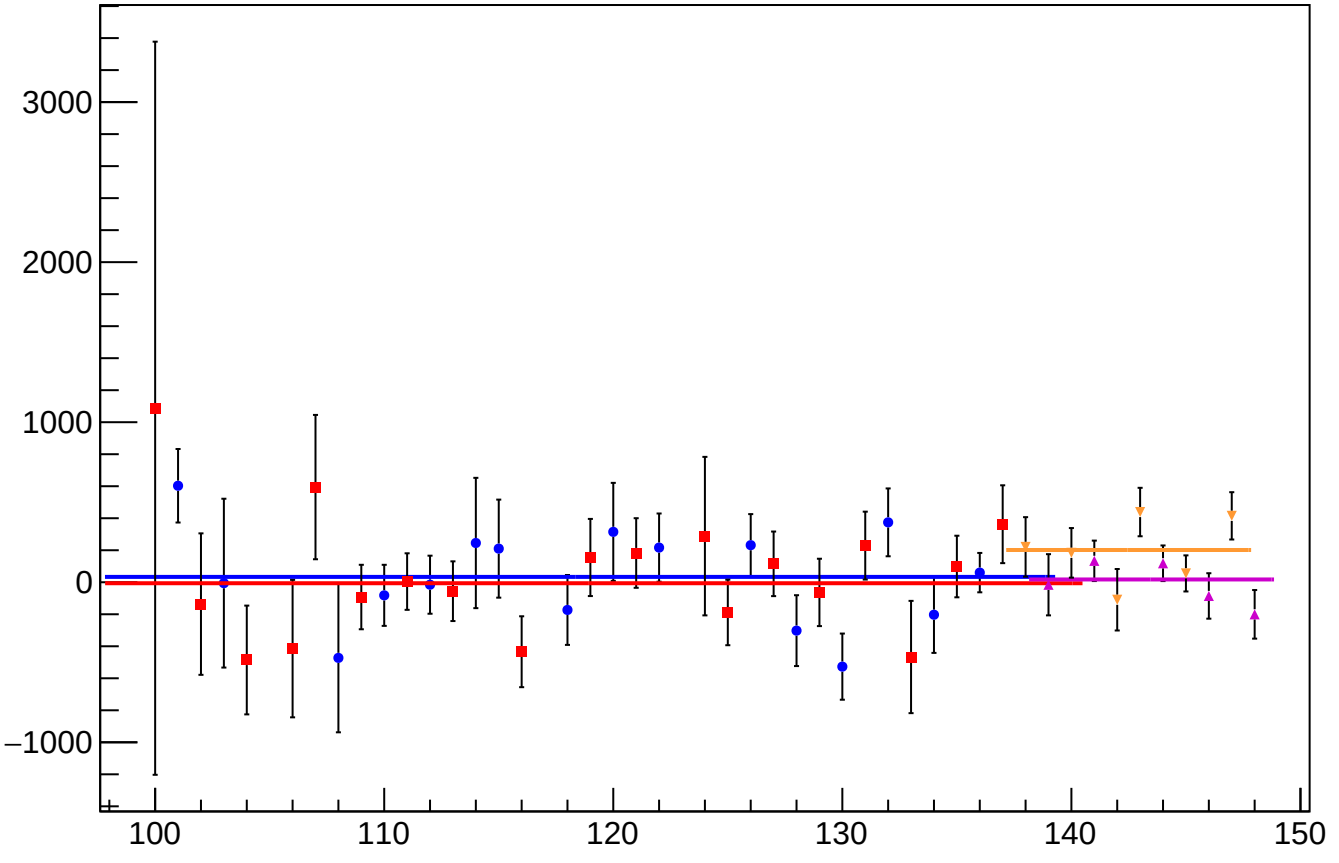
Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

+ sign 1072.817+/-0.242 χ^2/NDF: 3503433.4/21

All: 1048.988+/-0.168 χ^2/NDF: 7486696.9/45

- sign 1026.722+/-0.234 χ^2/NDF: 3964491.5/23

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

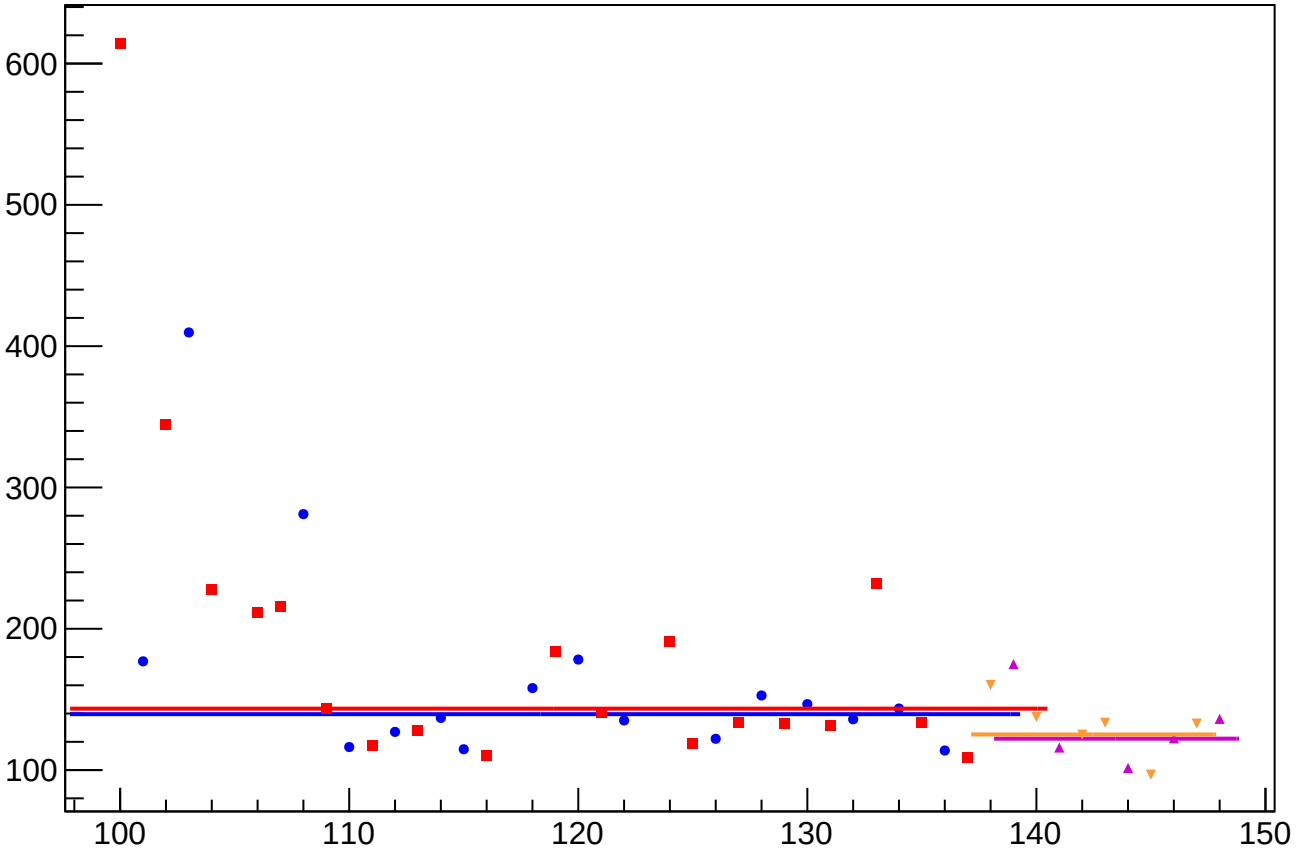
Left In: 17.413+/-61.579 χ^2/NDF:4.3/4

+ sign 108.225+/-40.912 χ^2/NDF: 38.2/21

All: 57.090+/-29.123 χ^2/NDF: 63.1/45

- sign 4.558+/-41.467 χ^2/NDF: 21.7/23

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

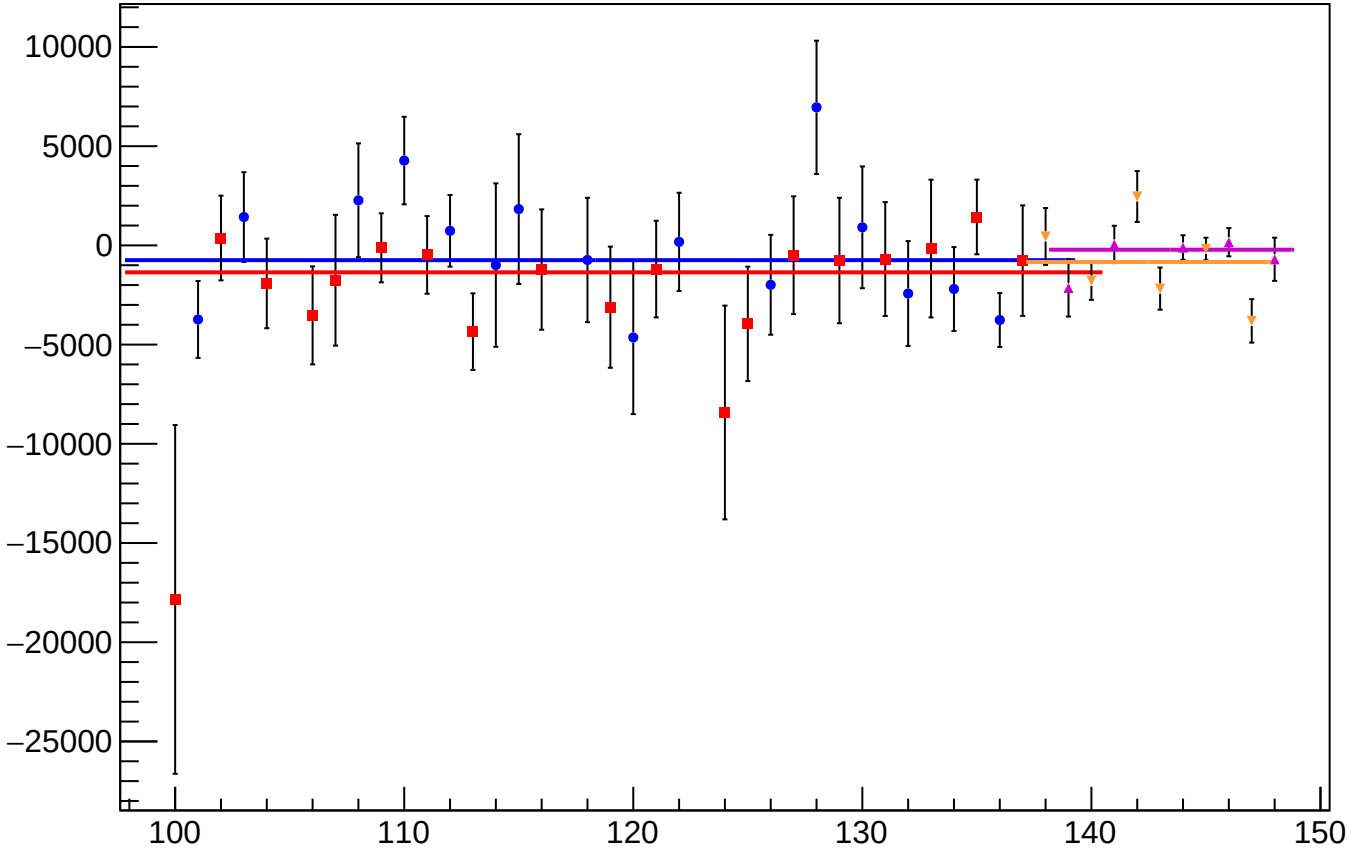
Left In: 122.233+/-0.044 χ^2/NDF:243714.5/4

\+ sign 133.178+/-0.029 χ^2/NDF: 1260085.0/21

All: 133.507+/-0.021 χ^2/NDF: 2750857.8/45

\- sign 133.845+/-0.029 χ^2/NDF: 1490510.3/23

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

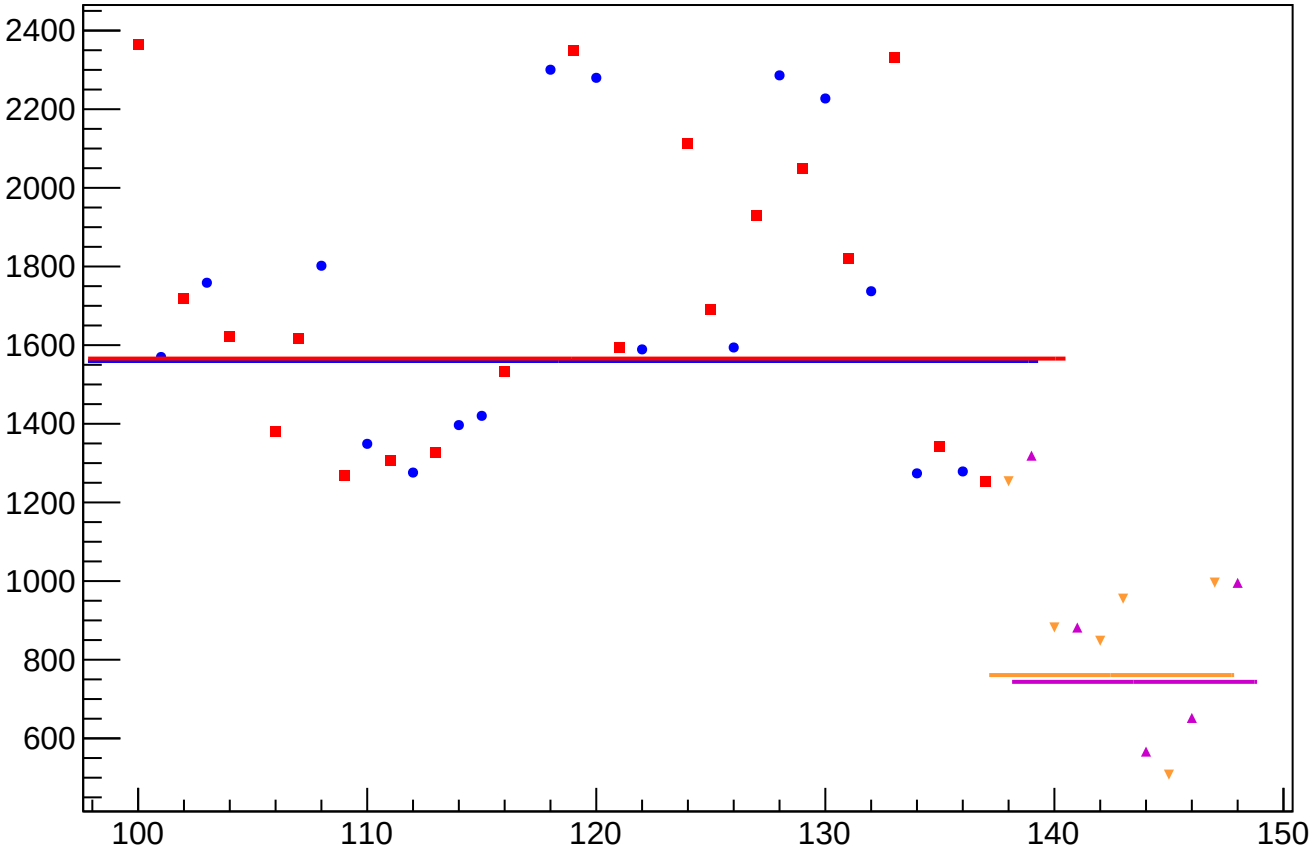
Left In: -218.290+/-376.792 χ^2/NDF:2.4/4

+ sign -809.326+/-319.033 χ^2/NDF: 42.2/21

All: -679.689+/-224.832 χ^2/NDF: 61.1/45

- sign -551.778+/-316.900 χ^2/NDF: 18.6/23

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

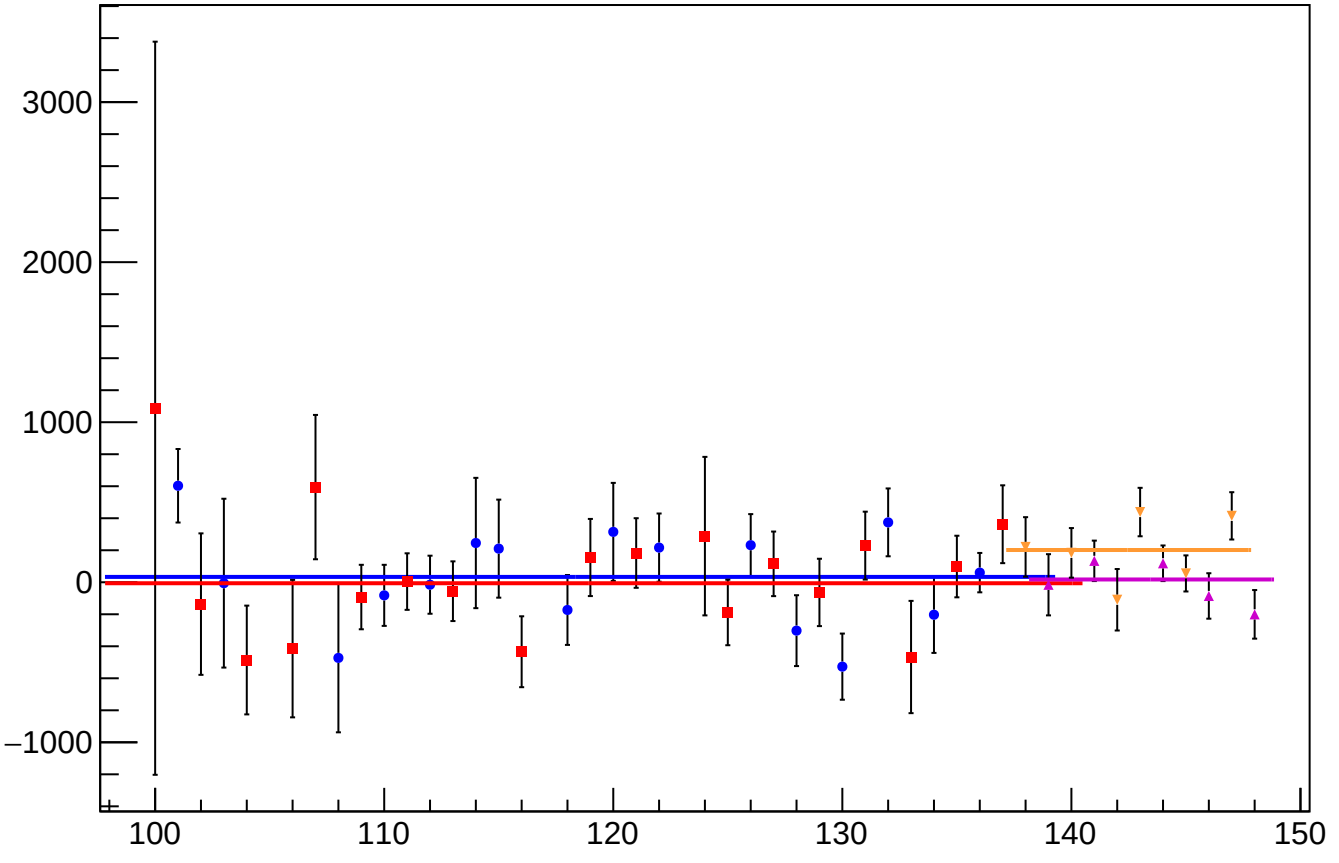
Left In: 743.741+/-0.266 χ^2/NDF:666314.8/4

+ sign 990.014+/-0.226 χ^2/NDF: 4003850.7/21

All: 987.143+/-0.159 χ^2/NDF: 8020292.9/45

- sign 984.311+/-0.224 χ^2/NDF: 4016120.4/23

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

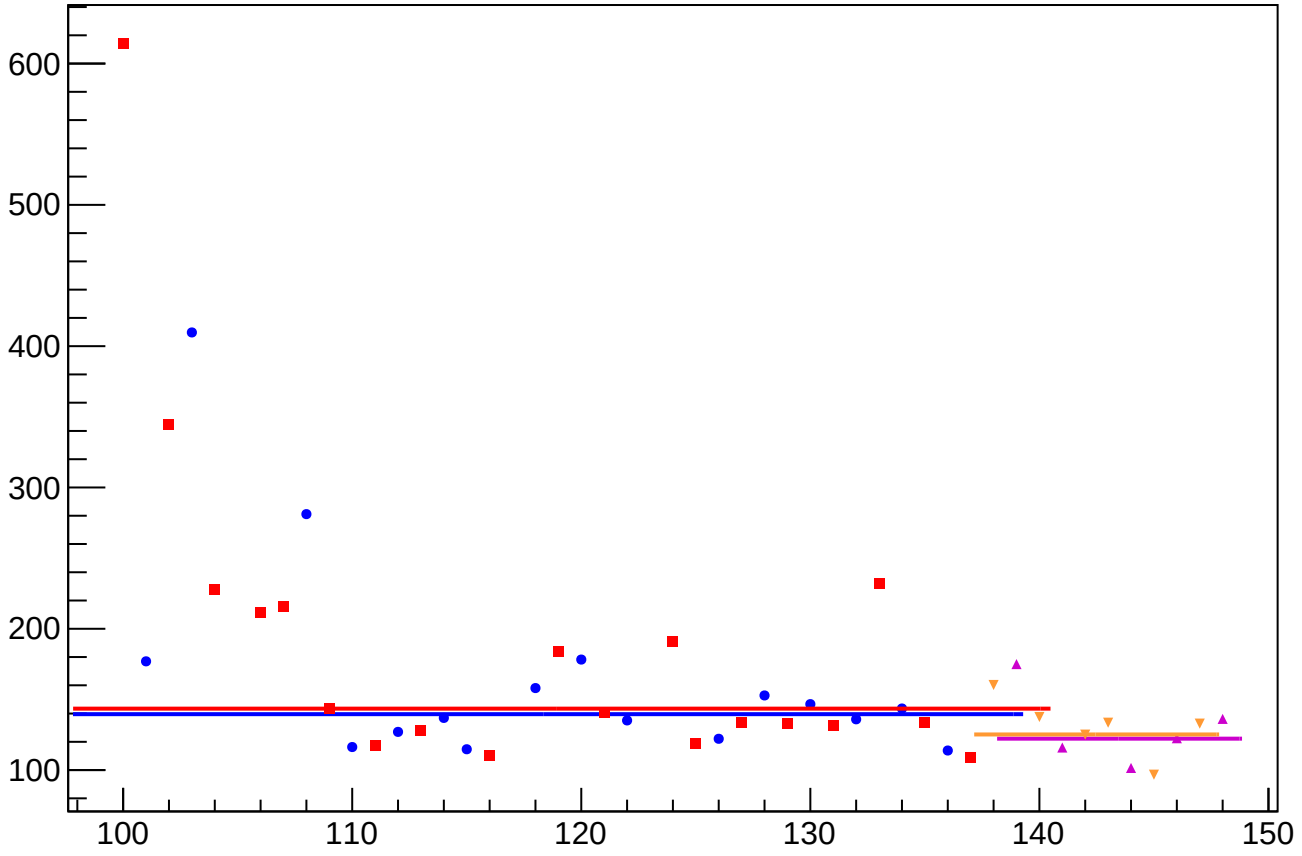
Left In: 17.412+/-61.579 χ^2/NDF:4.3/4

+ sign 108.224+/-40.912 χ^2/NDF: 38.2/21

All: 57.090+/-29.123 χ^2/NDF: 63.1/45

- sign 4.560+/-41.467 χ^2/NDF: 21.7/23

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

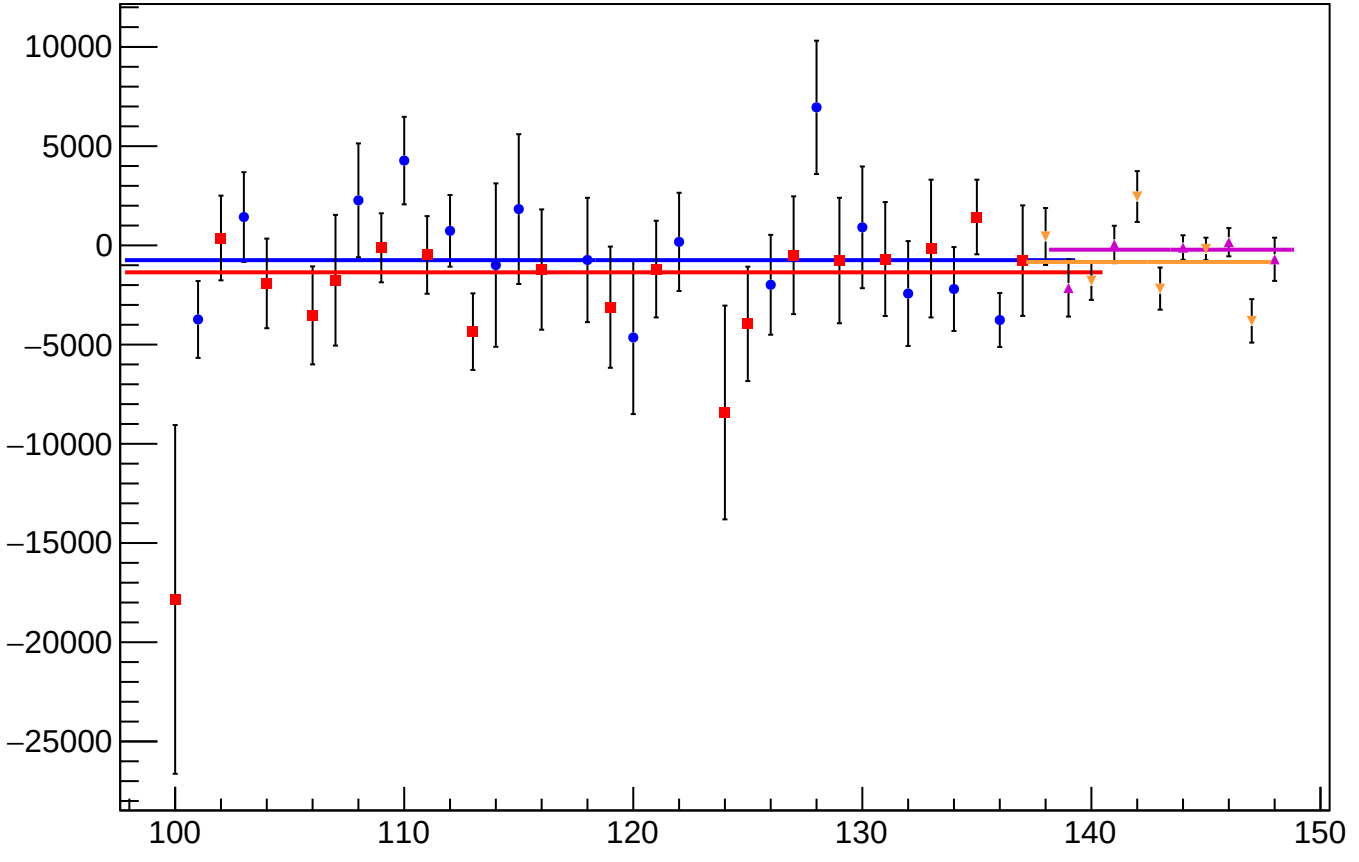
Left In: 122.233+/-0.044 χ^2/NDF:243713.4/4

+ sign 133.178+/-0.029 χ^2/NDF: 1260088.8/21

All: 133.507+/-0.021 χ^2/NDF: 2750868.3/45

- sign 133.846+/-0.029 χ^2/NDF: 1490517.0/23

asym_sam3_eigen_dit_correction_mean vs Slug



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

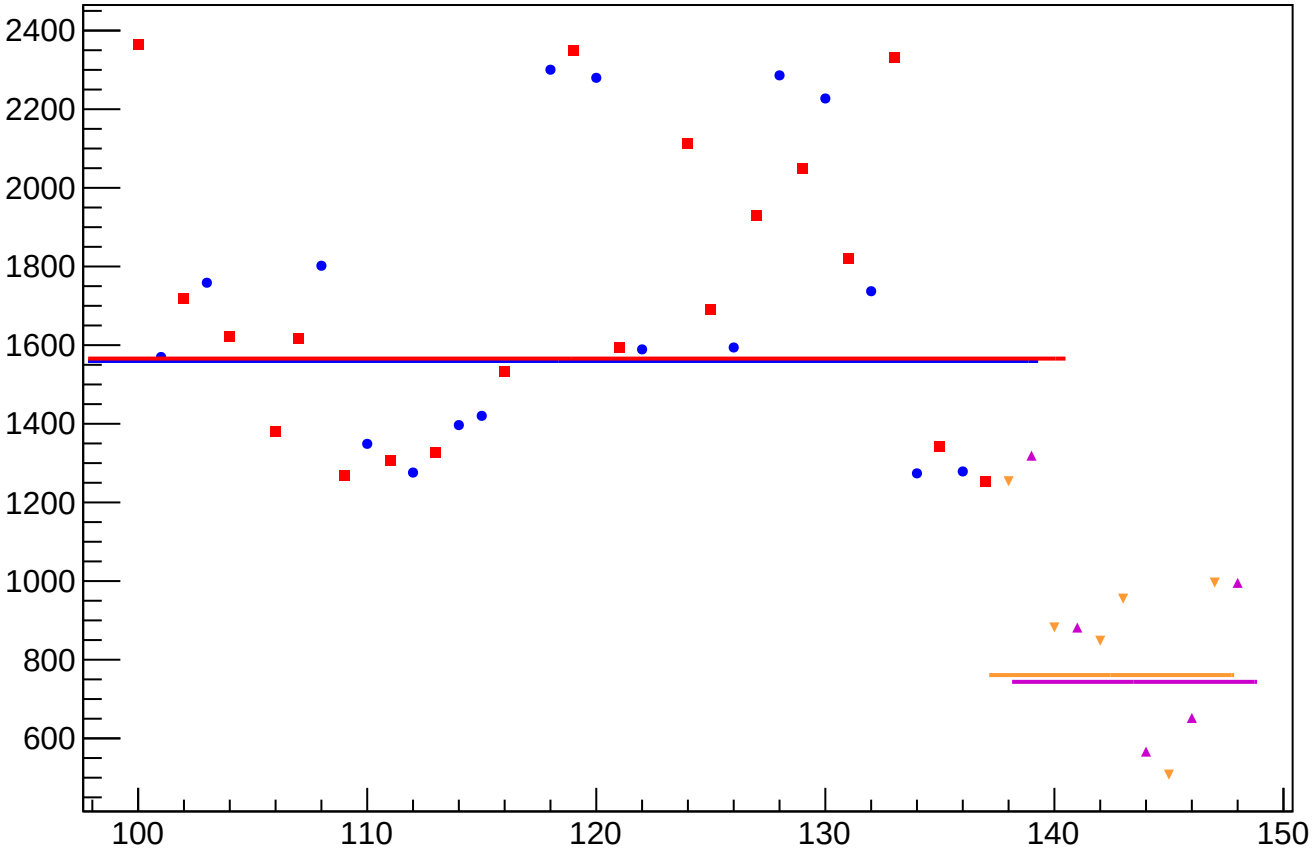
Left In: -218.290+/-376.792 χ^2/NDF:2.4/4

+ sign -809.328+/-319.032 χ^2/NDF: 42.2/21

All: -679.689+/-224.832 χ^2/NDF: 61.1/45

- sign -551.778+/-316.900 χ^2/NDF: 18.6/23

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

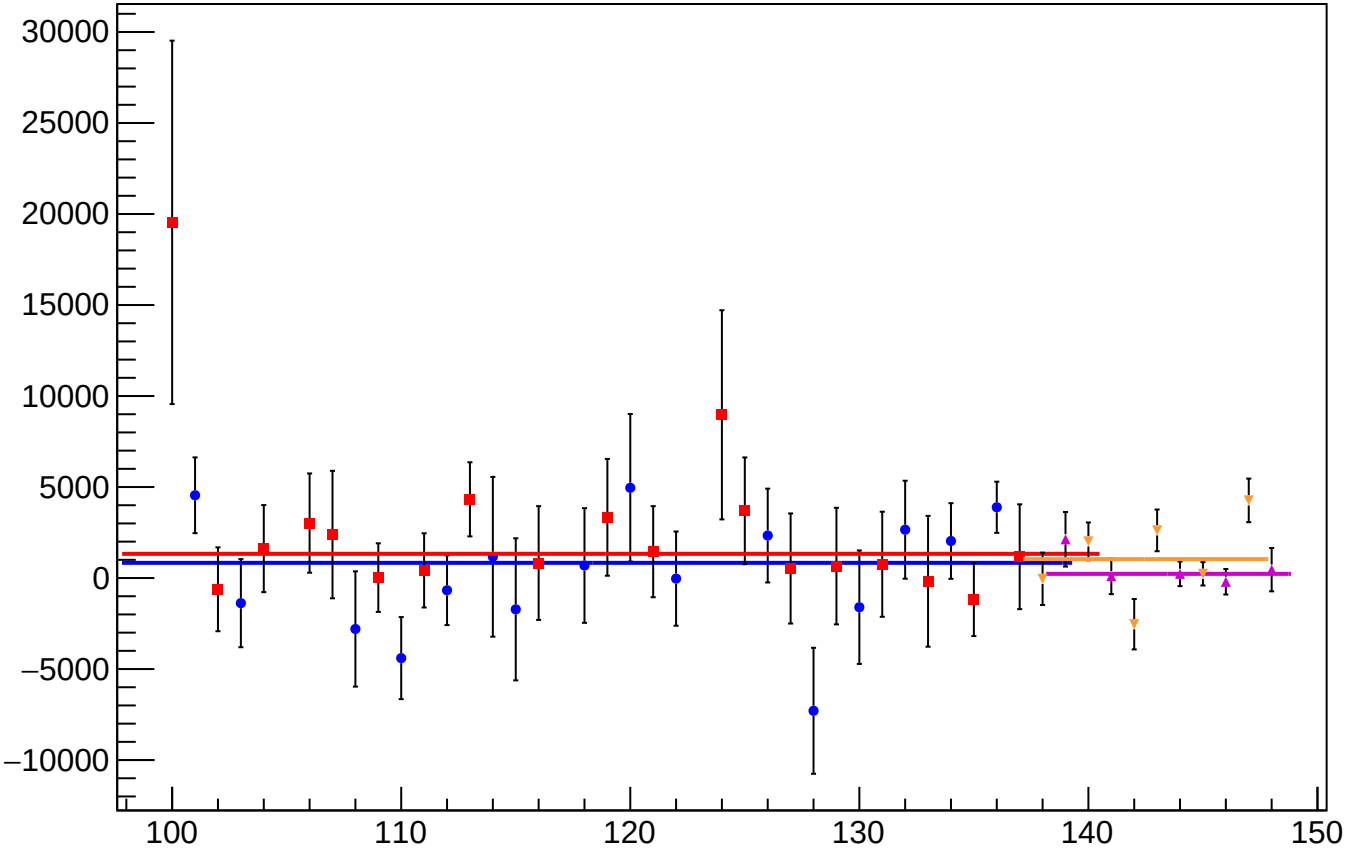
Left In: 743.740+/-0.266 χ^2/NDF:666315.9/4

+ sign 990.013+/-0.226 χ^2/NDF: 4003851.2/21

All: 987.142+/-0.159 χ^2/NDF: 8020289.2/45

- sign 984.310+/-0.224 χ^2/NDF: 4016116.3/23

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

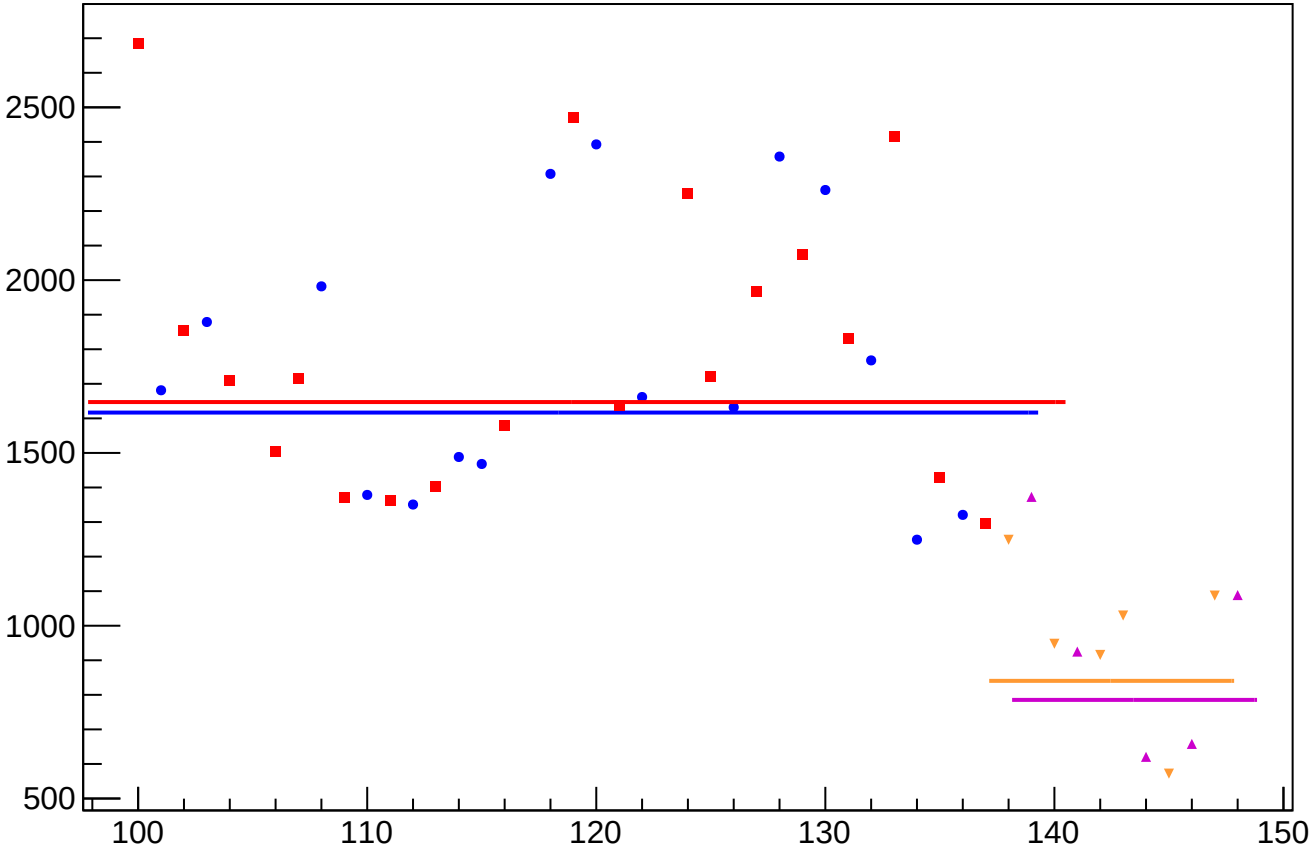
Left In: 229.943+/-395.743 χ^2/NDF:2.0/4

+ sign 977.411+/-344.482 χ^2/NDF: 43.8/21

All: 756.930+/-239.431 χ^2/NDF: 61.0/45

- sign 550.875+/-333.021 χ^2/NDF: 16.4/23

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

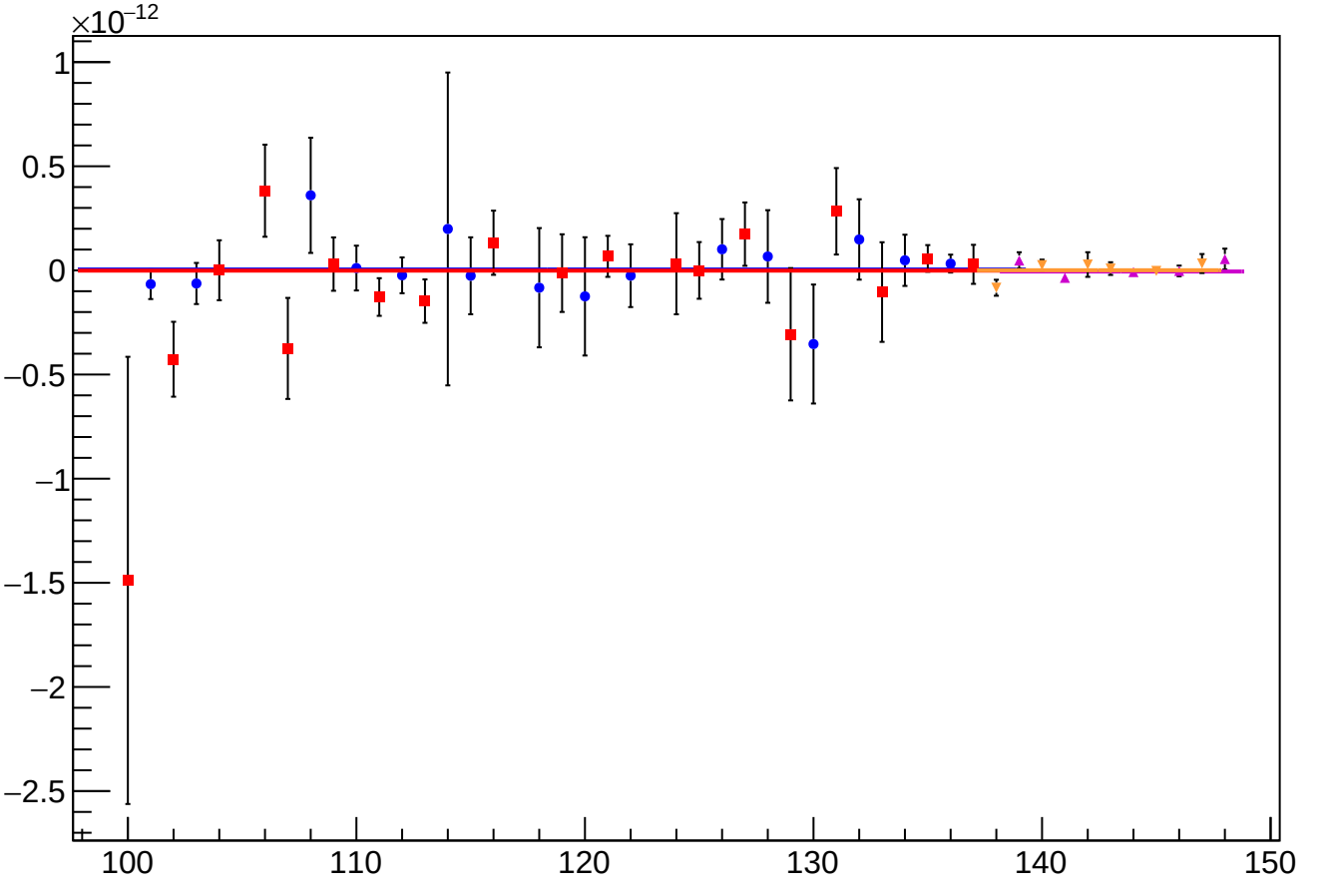
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 785.369+/-0.280 χ^2/NDF:661275.0/4

+ sign 1081.073+/-0.244 χ^2/NDF: 3472384.1/21

All: 1058.247+/-0.169 χ^2/NDF: 7443073.8/45

- sign 1036.913+/-0.235 χ^2/NDF: 3953700.9/23



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

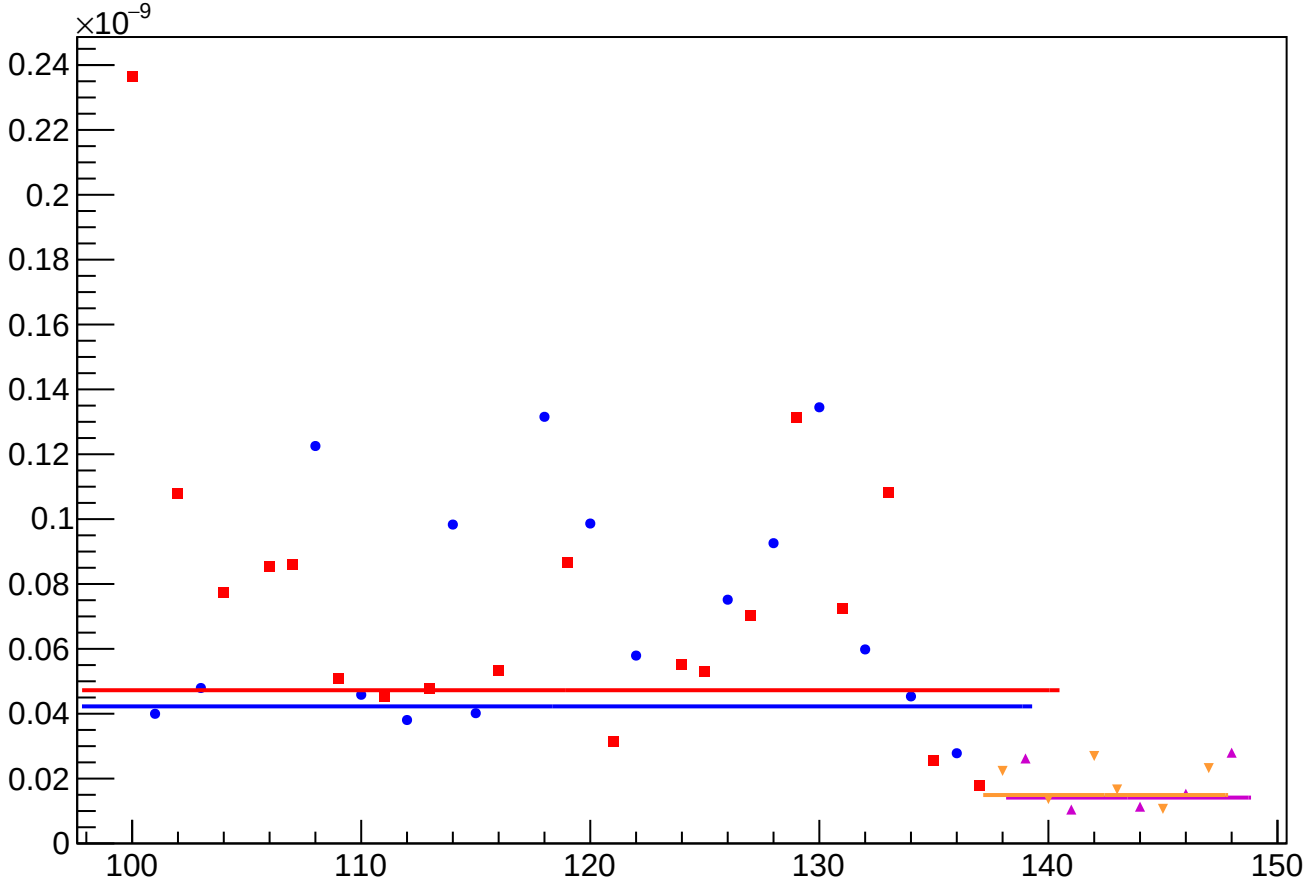
Left In: -0.000+/-0.000 χ^2/NDF:4.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/21

All: -0.000+/-0.000 χ^2/NDF: 41.8/45

- sign -0.000+/-0.000 χ^2/NDF: 28.3/23

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:341405.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

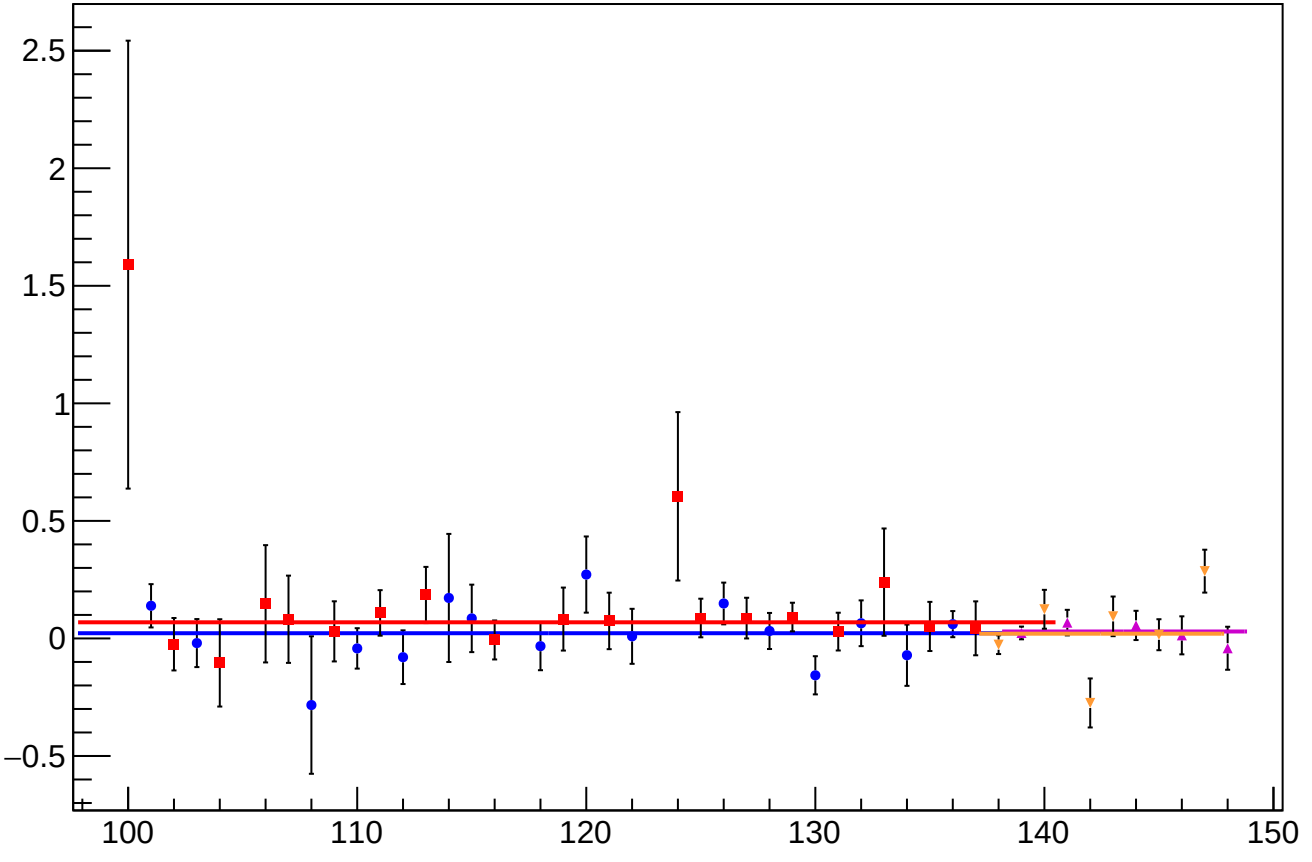
Left In: 0.000+/-0.000 χ^2/NDF:438787.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3172670.4/21

All: 0.000+/-0.000 χ^2/NDF: 7111913.3/45

- sign 0.000+/-0.000 χ^2/NDF: 3930577.1/23

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

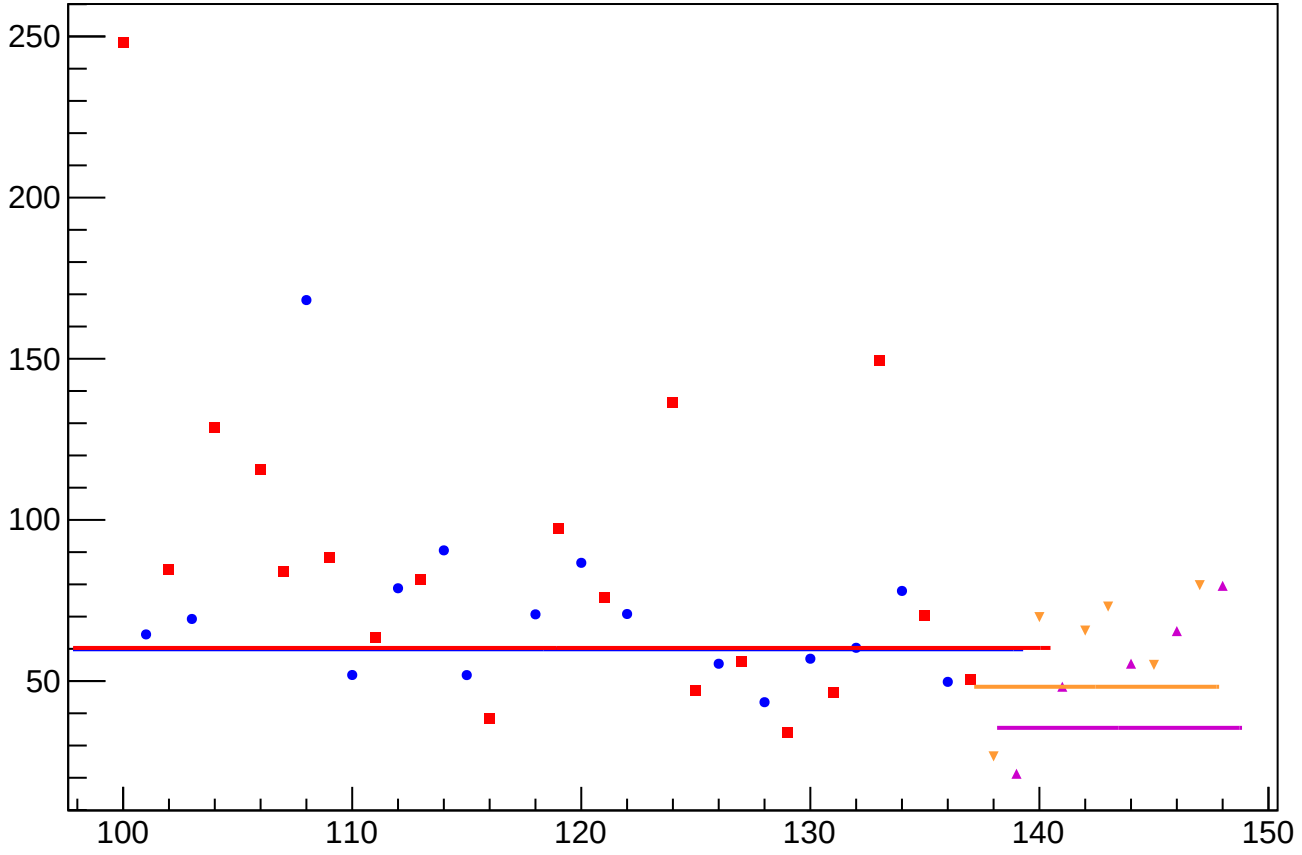
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.035+/-0.012 χ^2/NDF: 49.1/45

- sign 0.046+/-0.016 χ^2/NDF: 12.4/23

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

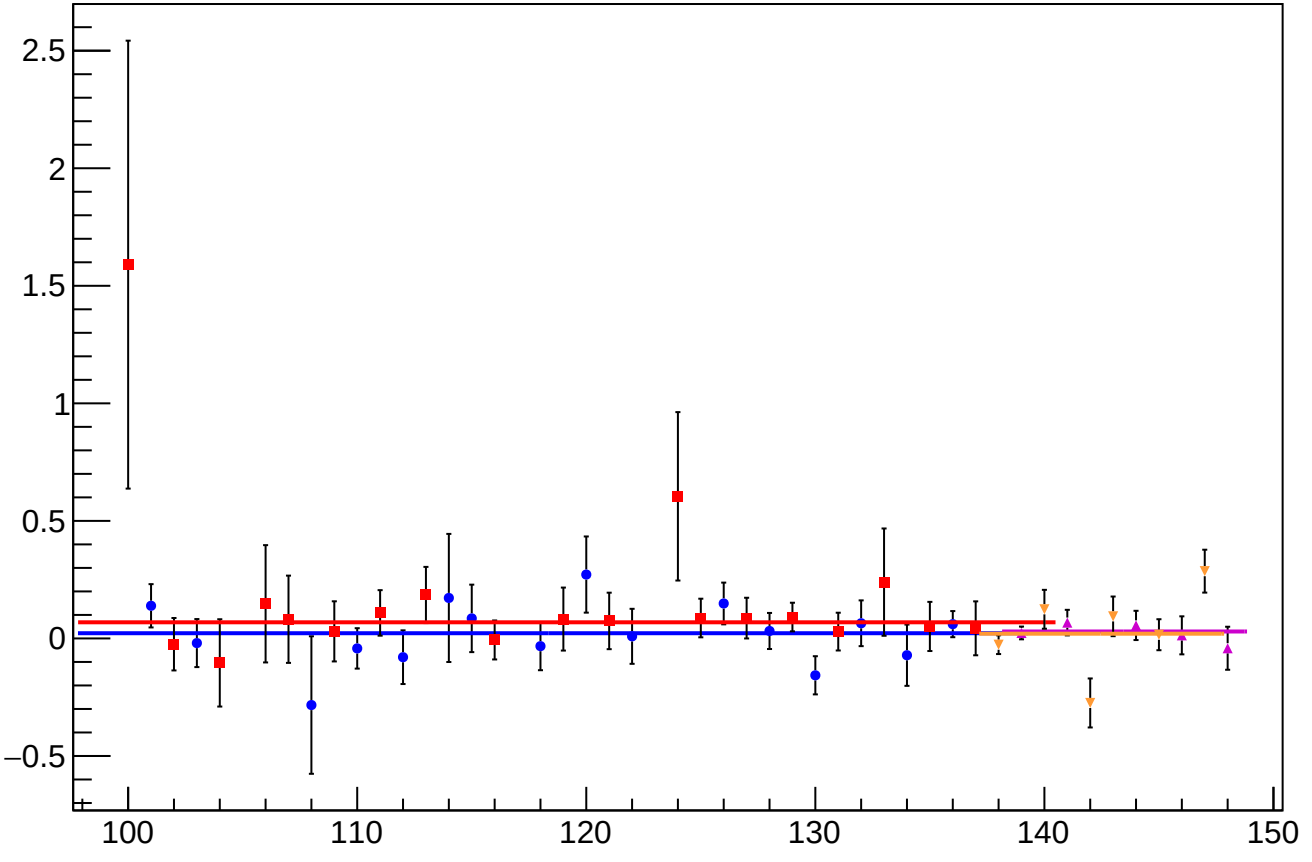
Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

+ sign 54.598+/-0.013 χ^2/NDF: 2114924.7/21

All: 49.646+/-0.009 χ^2/NDF: 7090332.5/45

- sign 45.723+/-0.011 χ^2/NDF: 4711474.1/23

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

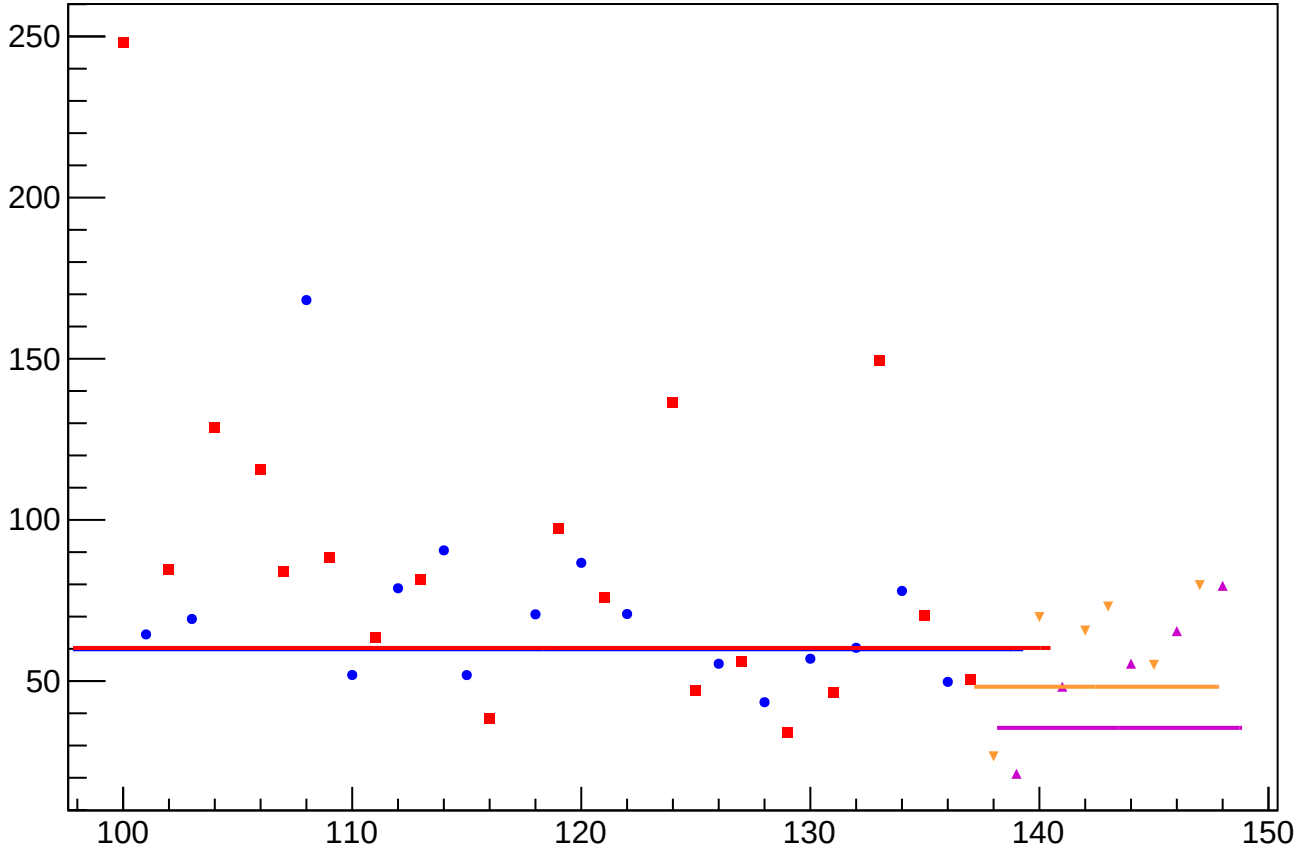
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.035+/-0.012 χ^2/NDF: 49.1/45

- sign 0.046+/-0.016 χ^2/NDF: 12.4/23

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

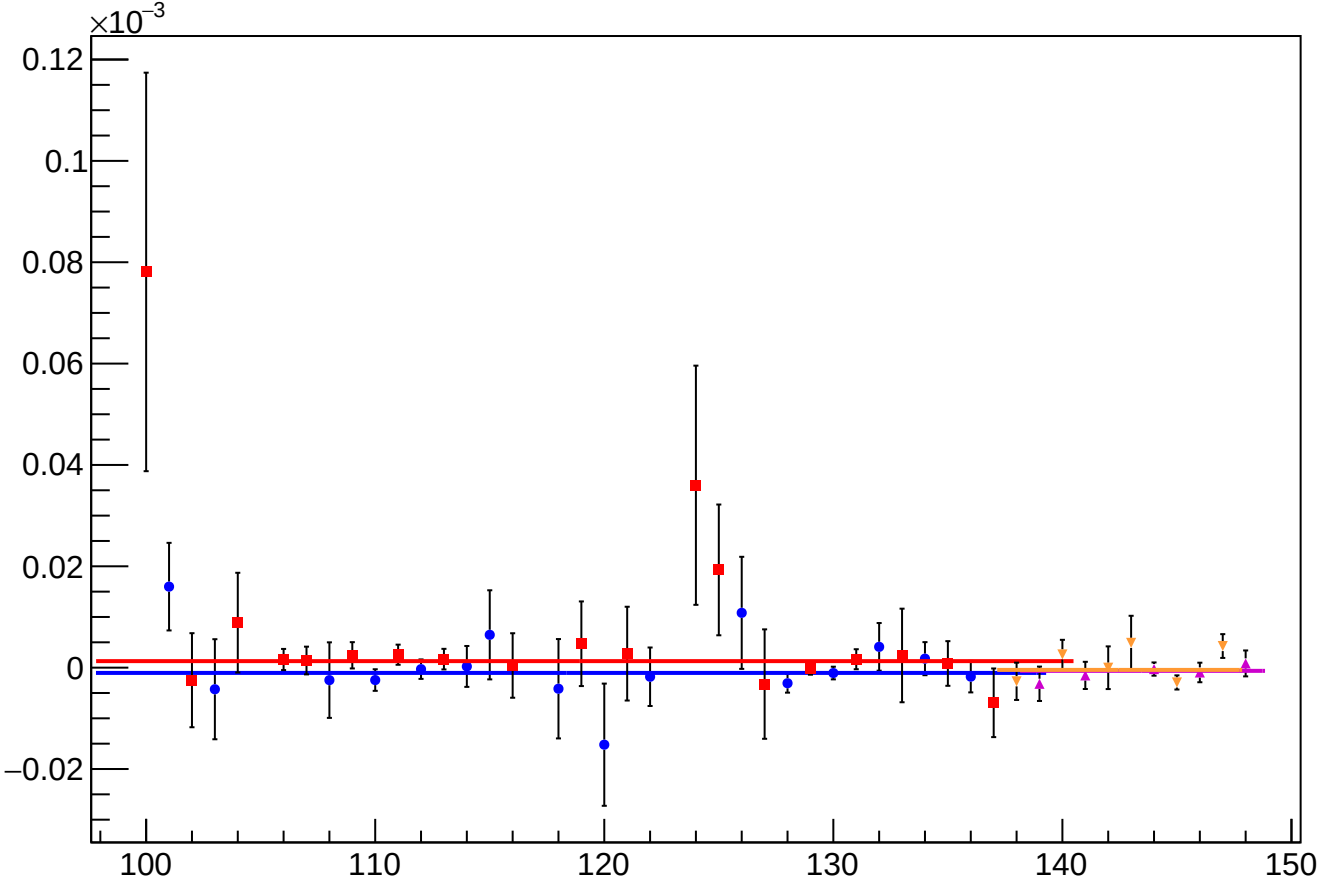
Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

+ sign 54.598+/-0.013 χ^2/NDF: 2114924.7/21

All: 49.646+/-0.009 χ^2/NDF: 7090332.5/45

- sign 45.723+/-0.011 χ^2/NDF: 4711474.1/23

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

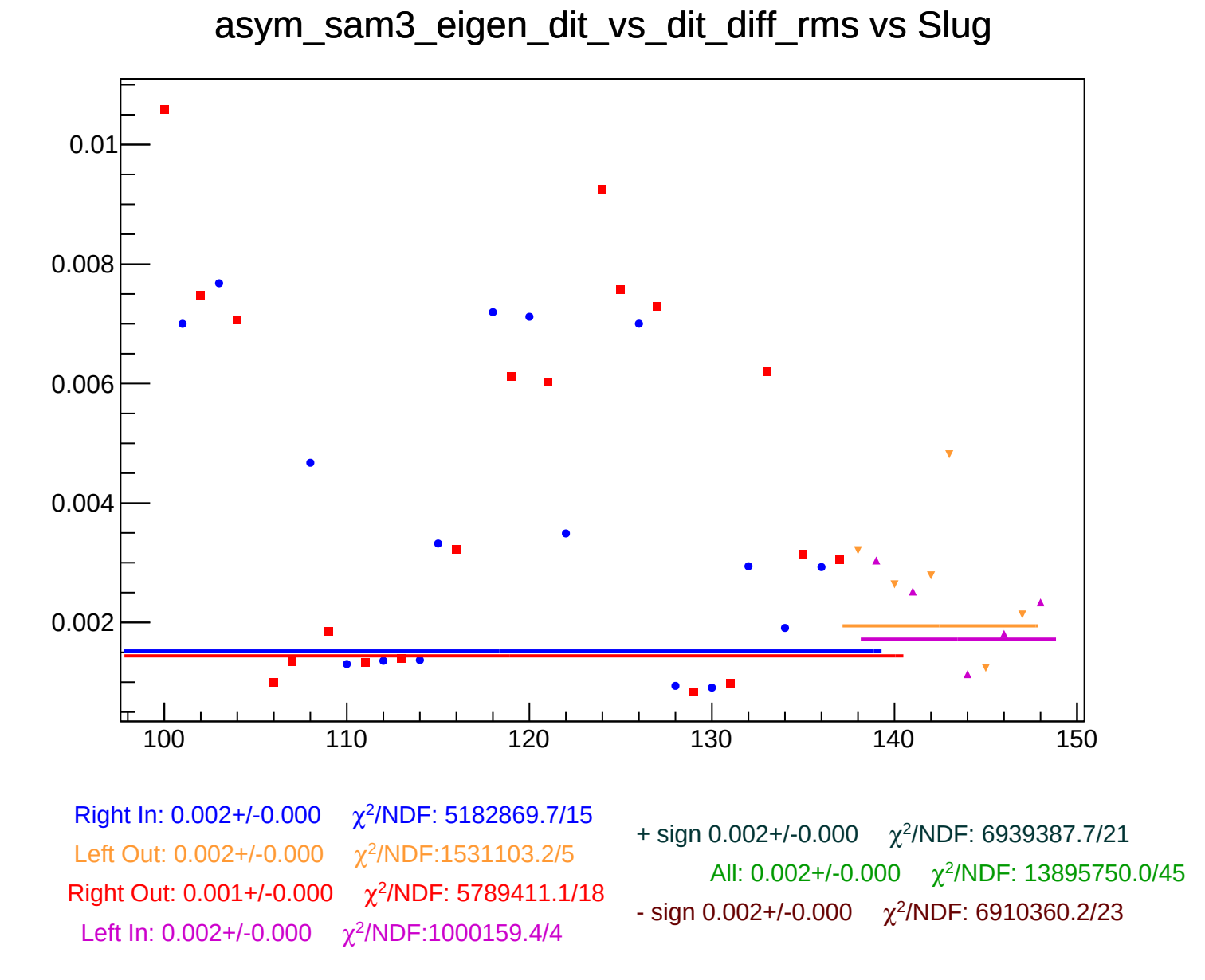
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

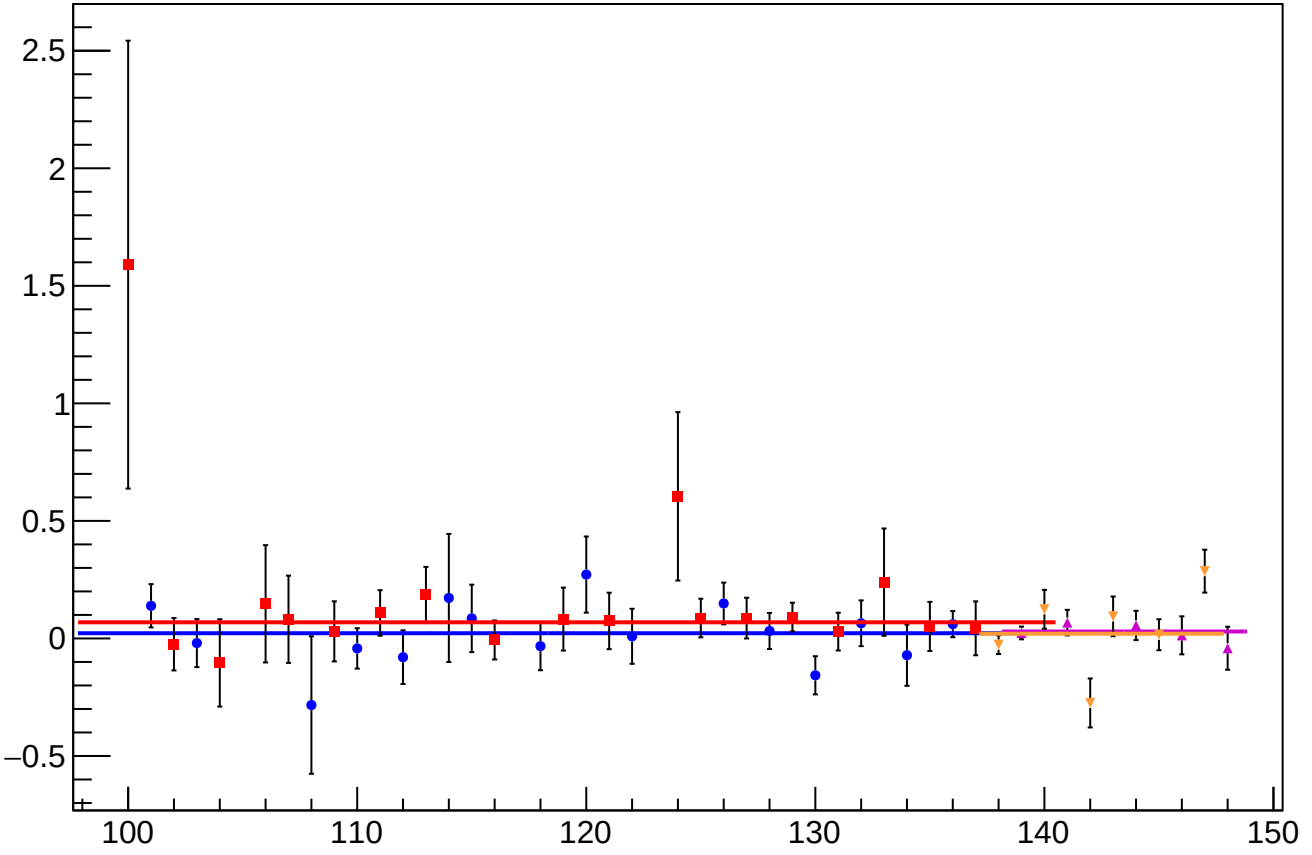
+ sign -0.000+/-0.000 χ^2/NDF: 21.2/21

All: -0.000+/-0.000 χ^2/NDF: 40.5/45

- sign 0.000+/-0.000 χ^2/NDF: 16.4/23


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1531103.2/5
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:1000159.4/4
+ sign 0.002+/-0.000 χ²/NDF: 6939387.7/21
All: 0.002+/-0.000 χ²/NDF: 13895750.0/45
- sign 0.002+/-0.000 χ²/NDF: 6910360.2/23

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

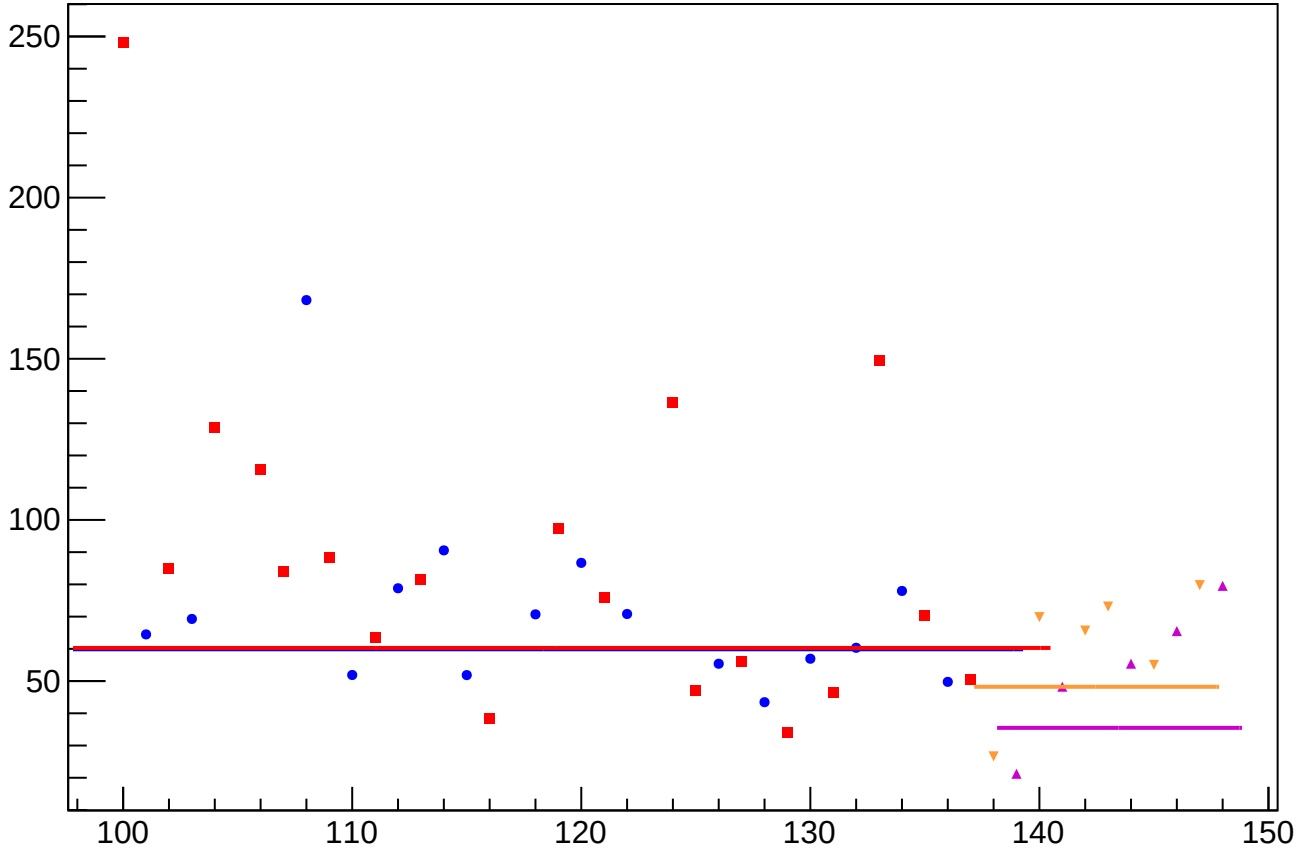
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.035+/-0.012 χ^2/NDF: 49.1/45

- sign 0.046+/-0.016 χ^2/NDF: 12.4/23

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

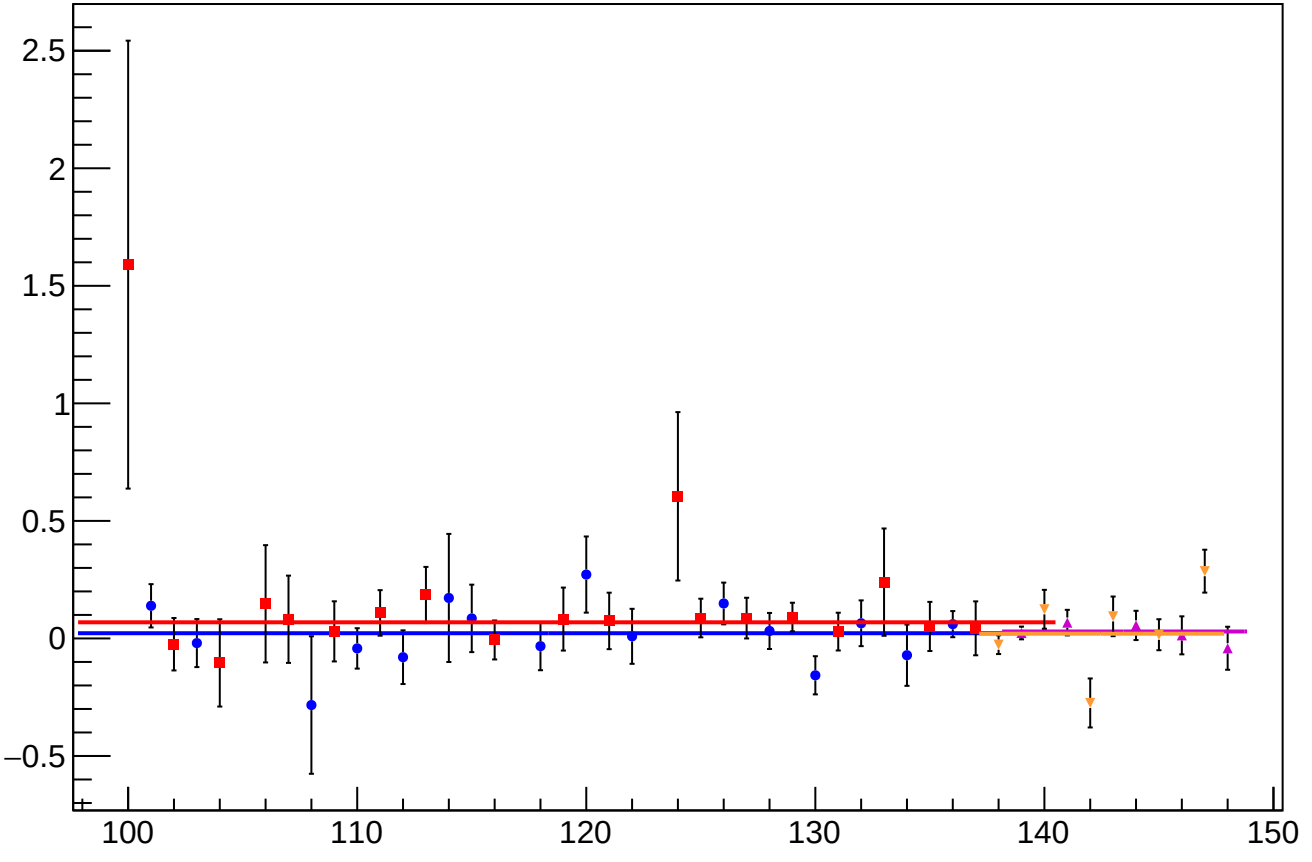
Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

+ sign 54.598+/-0.013 χ^2/NDF: 2115296.9/21

All: 49.645+/-0.009 χ^2/NDF: 7091178.9/45

- sign 45.722+/-0.011 χ^2/NDF: 4711914.4/23

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

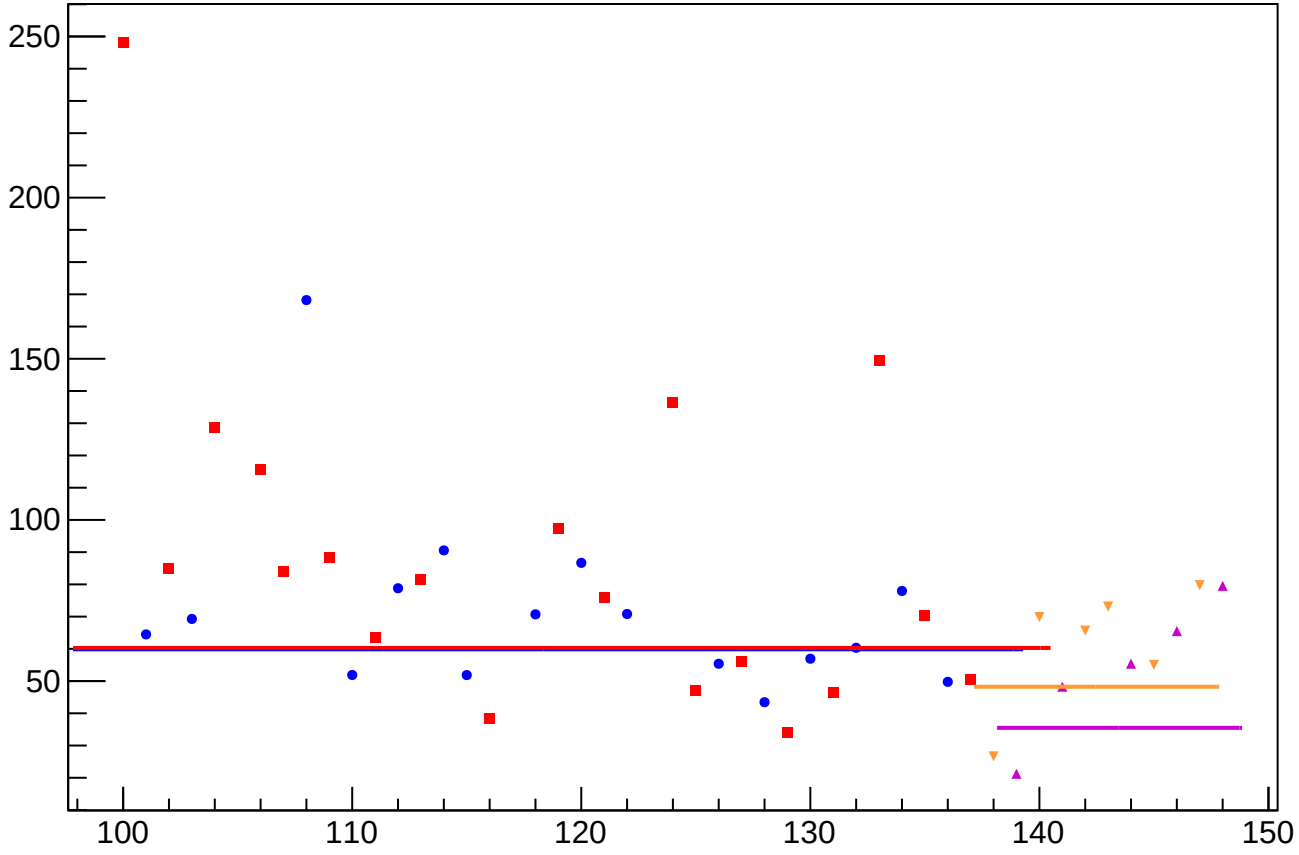
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.021+/-0.018 χ^2/NDF: 35.7/21

All: 0.035+/-0.012 χ^2/NDF: 49.1/45

- sign 0.046+/-0.016 χ^2/NDF: 12.4/23

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

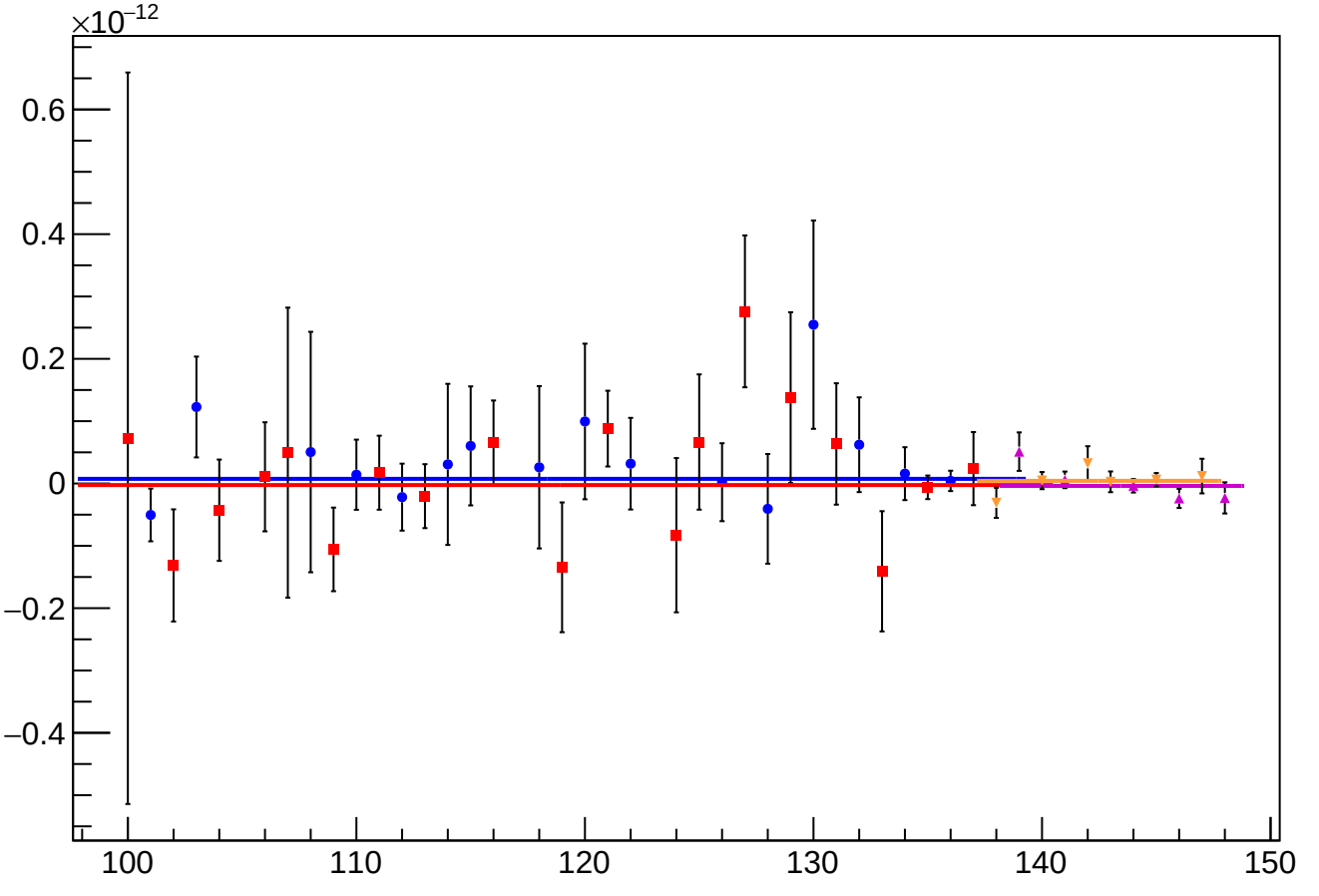
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

+ sign 54.598+/-0.013 χ^2/NDF: 2115296.9/21

All: 49.645+/-0.009 χ^2/NDF: 7091178.9/45

- sign 45.722+/-0.011 χ^2/NDF: 4711914.4/23



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

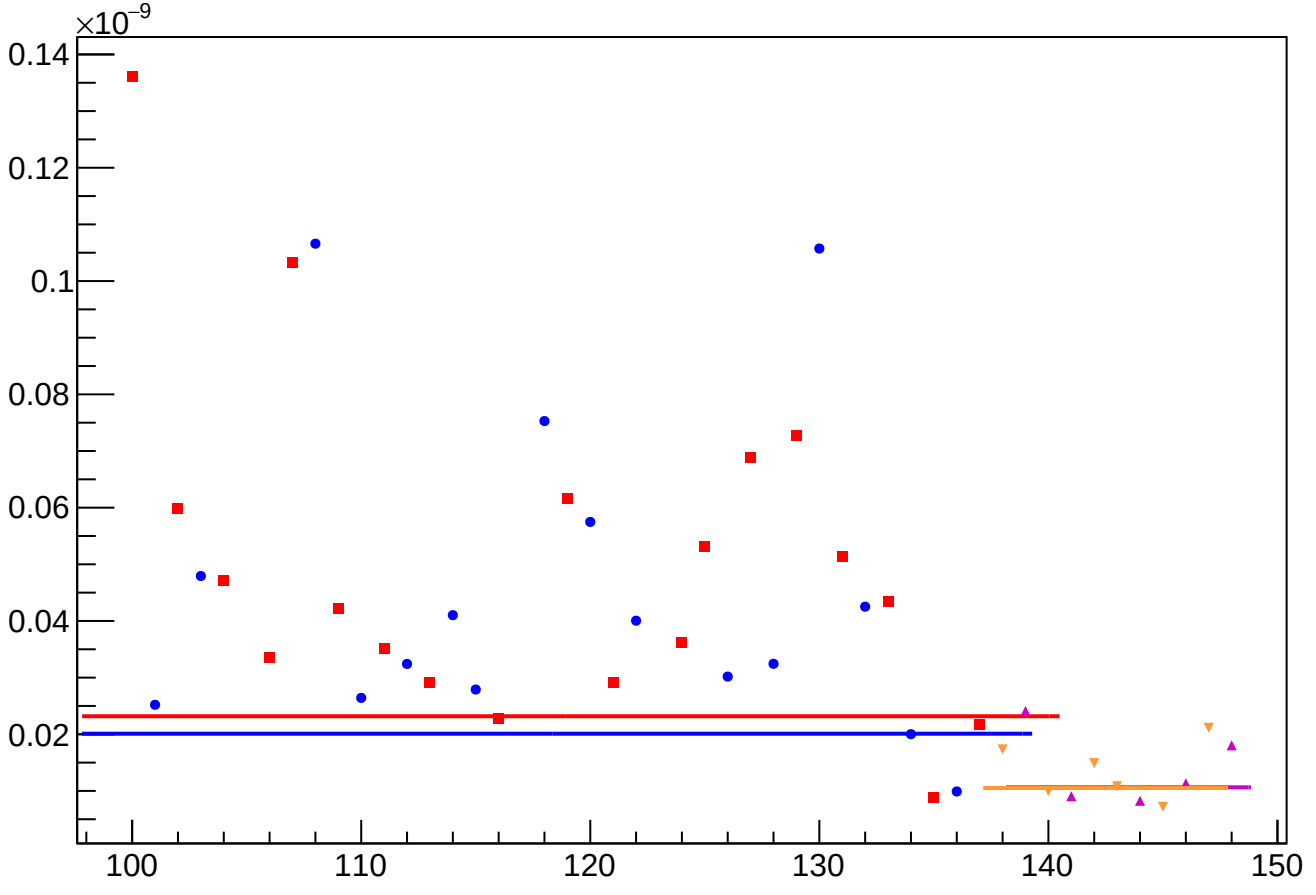
Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/21

All: 0.000+/-0.000 χ^2/NDF: 38.4/45

- sign -0.000+/-0.000 χ^2/NDF: 25.7/23

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

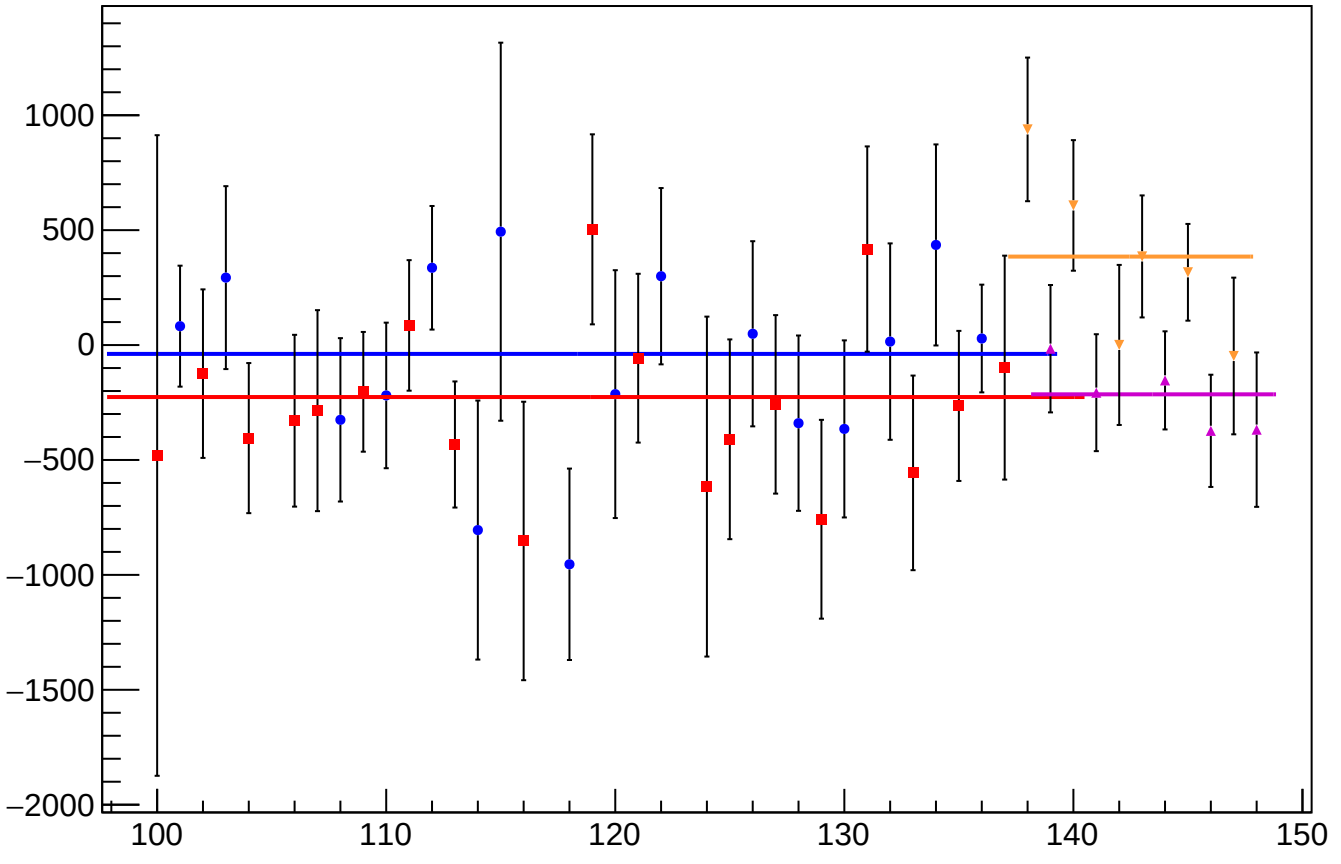
Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:686229.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 4774763.0/21

All: 0.000+/-0.000 χ^2/NDF: 10363311.5/45

- sign 0.000+/-0.000 χ^2/NDF: 5582741.0/23



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

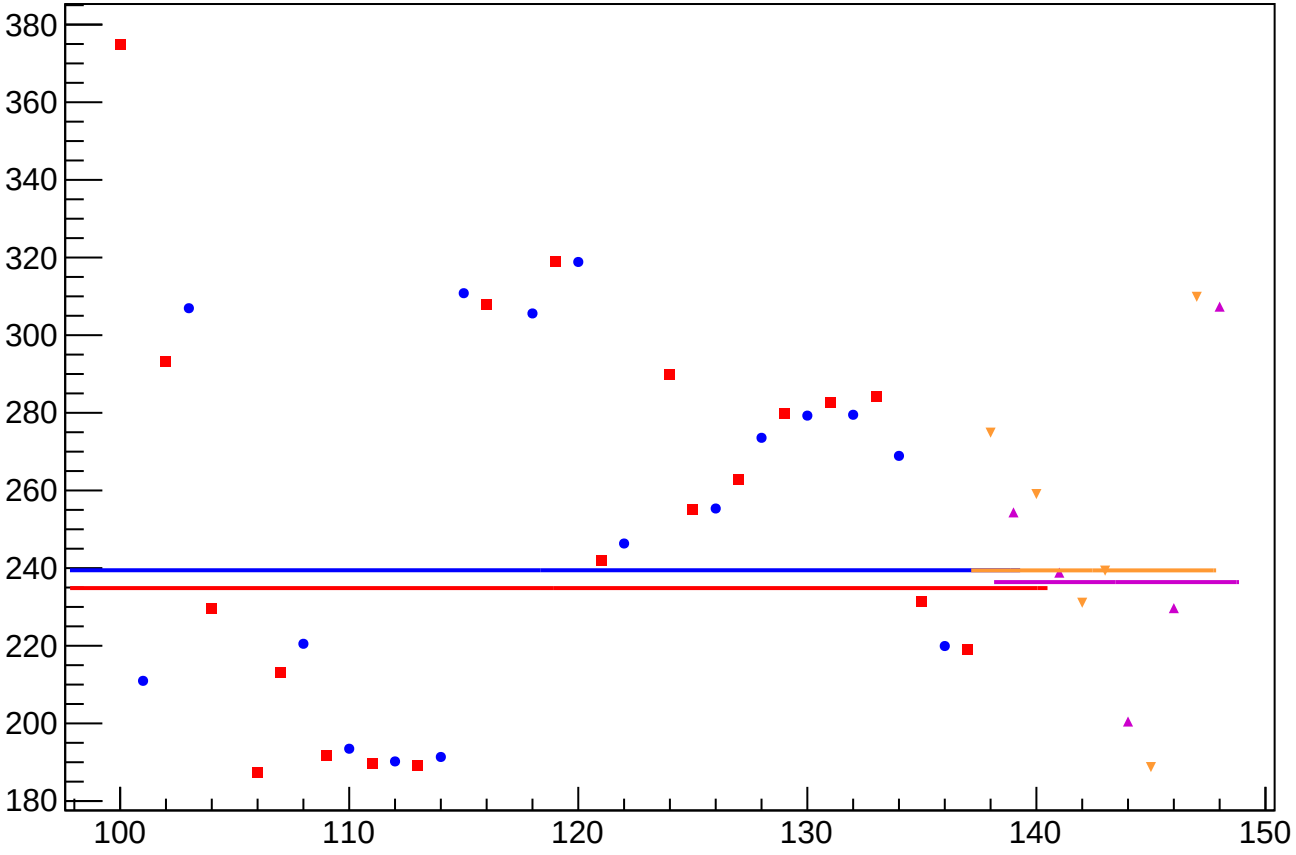
Left In: -214.375+/-114.669 χ^2/NDF:1.2/4

+ sign 124.546+/-71.063 χ^2/NDF: 29.6/21

All: -51.819+/-49.784 χ^2/NDF: 54.3/45

- sign -221.802+/-69.766 χ^2/NDF: 12.7/23

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

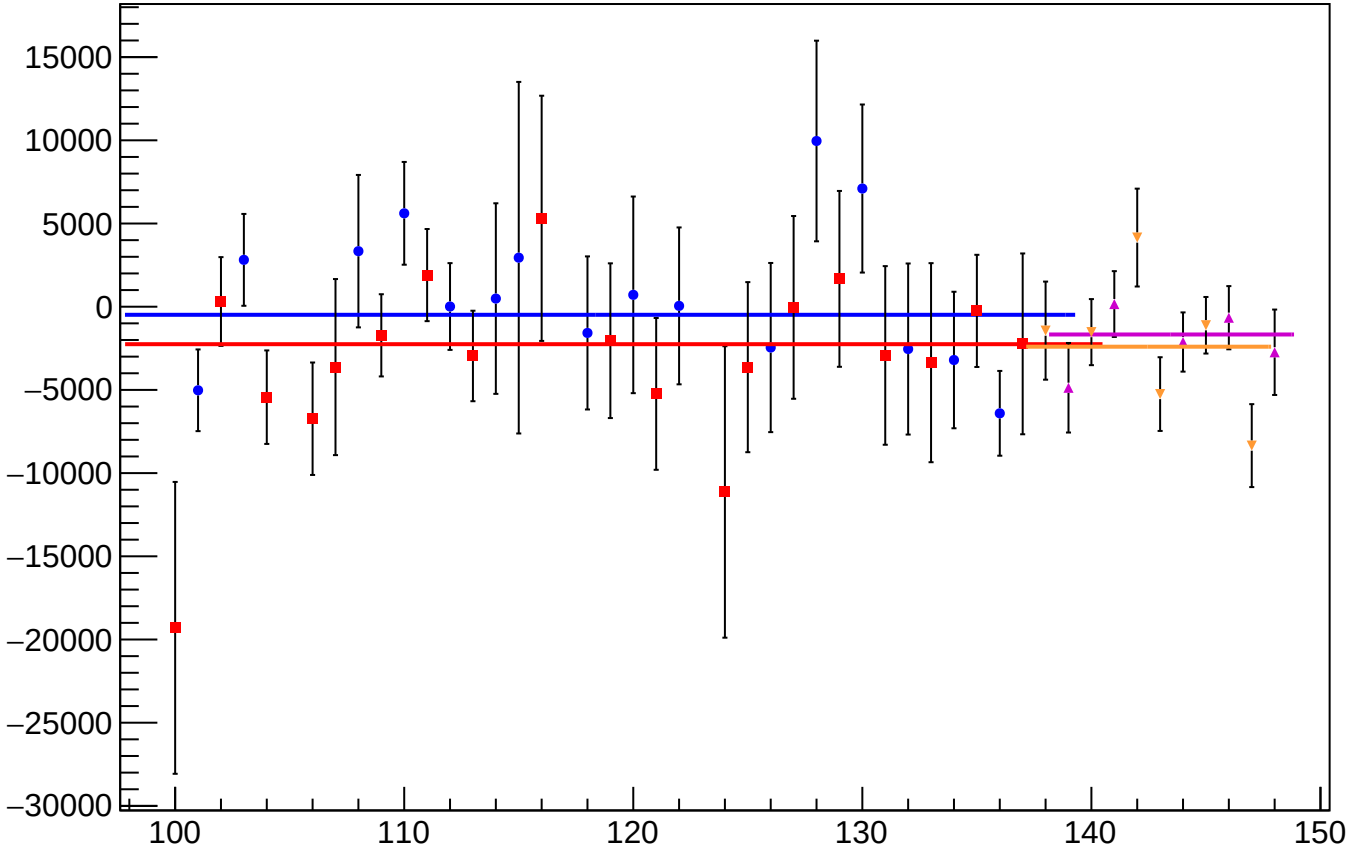
Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 239.436+/-0.050 χ^2/NDF: 638805.8/21

All: 237.394+/-0.035 χ^2/NDF: 1279895.5/45

- sign 235.426+/-0.049 χ^2/NDF: 637847.8/23

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

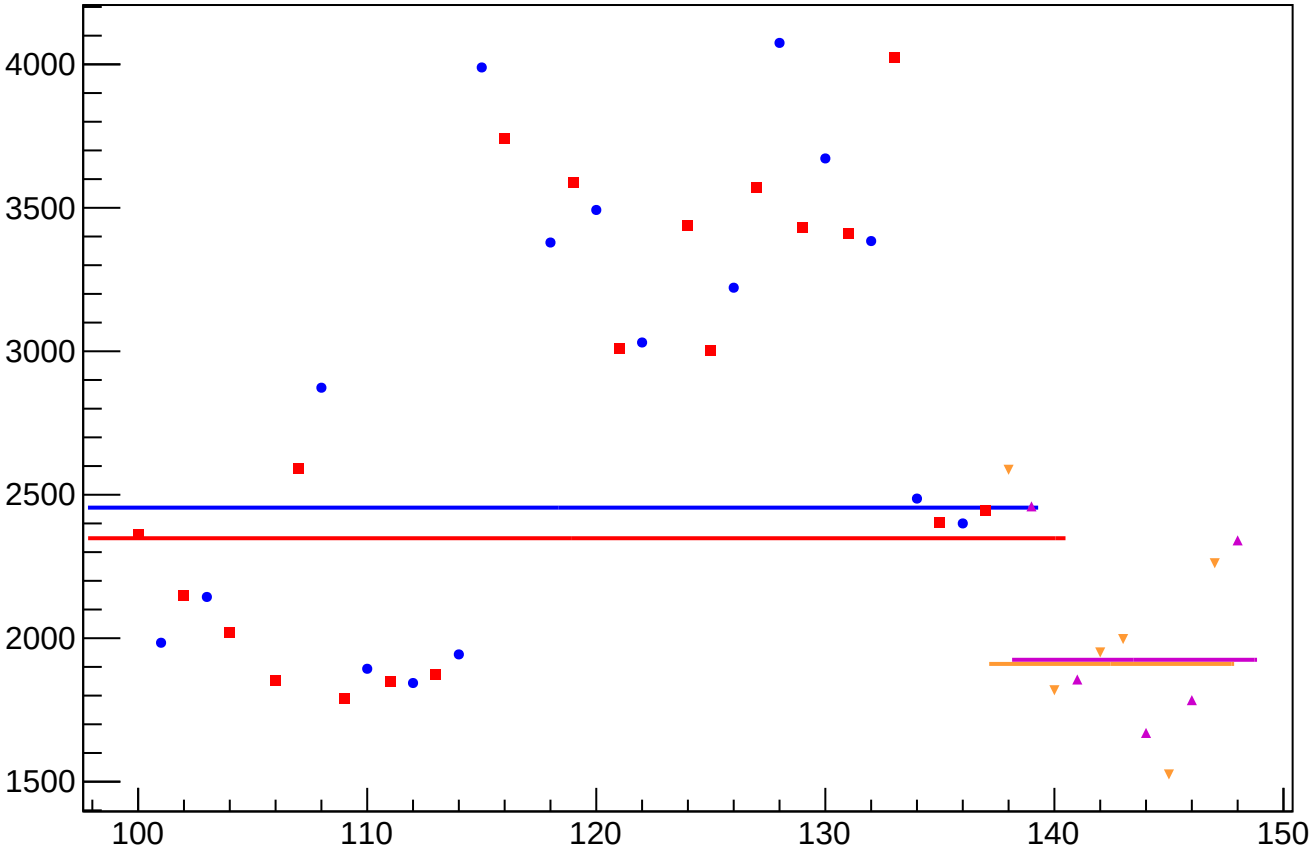
Left In: -1668.744+/-937.074 χ^2/NDF:2.8/4

+ sign -1478.300+/-658.044 χ^2/NDF: 36.4/21

All: -1730.367+/-461.321 χ^2/NDF: 53.6/45

- sign -1973.976+/-646.910 χ^2/NDF: 16.9/23

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

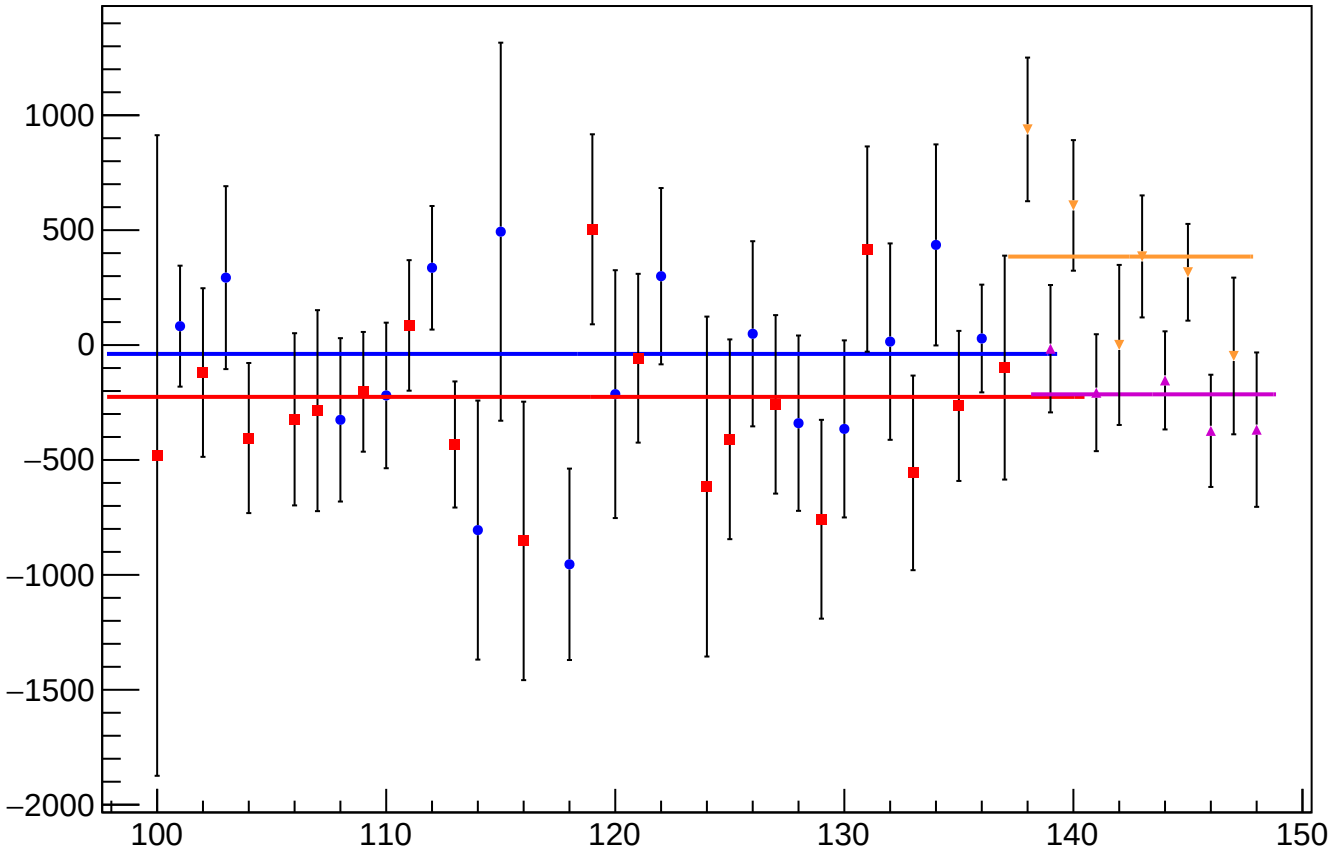
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1924.810+/-0.663 χ^2/NDF:186000.0/4

+ sign 2173.159+/-0.465 χ^2/NDF: 1491989.0/21

All: 2159.627+/-0.326 χ^2/NDF: 2946025.2/45

- sign 2146.548+/-0.457 χ^2/NDF: 1452372.9/23



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

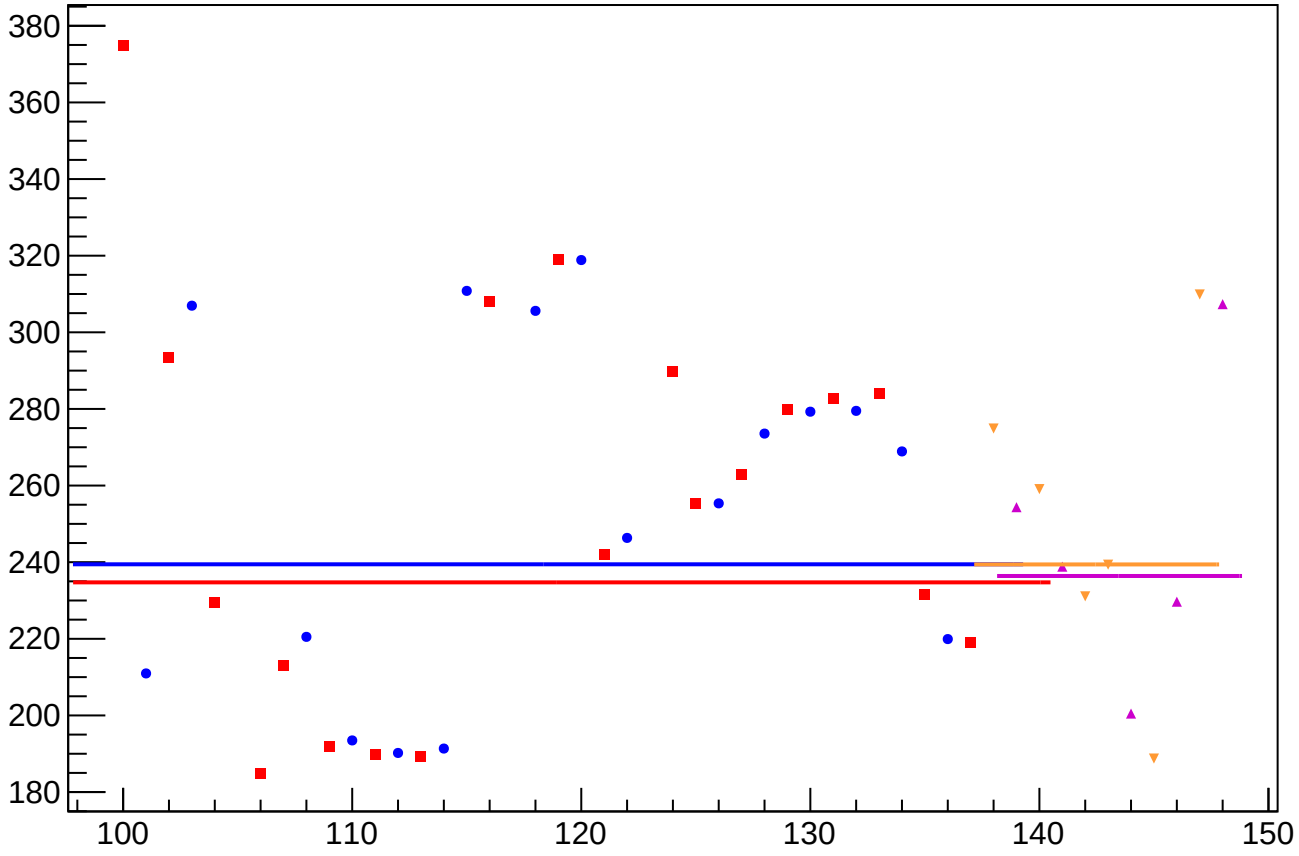
Left In: -214.397+/-114.669 χ^2/NDF:1.2/4

+ sign 124.548+/-71.063 χ^2/NDF: 29.6/21

All: -51.595+/-49.787 χ^2/NDF: 54.3/45

- sign -221.398+/-69.773 χ^2/NDF: 12.7/23

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

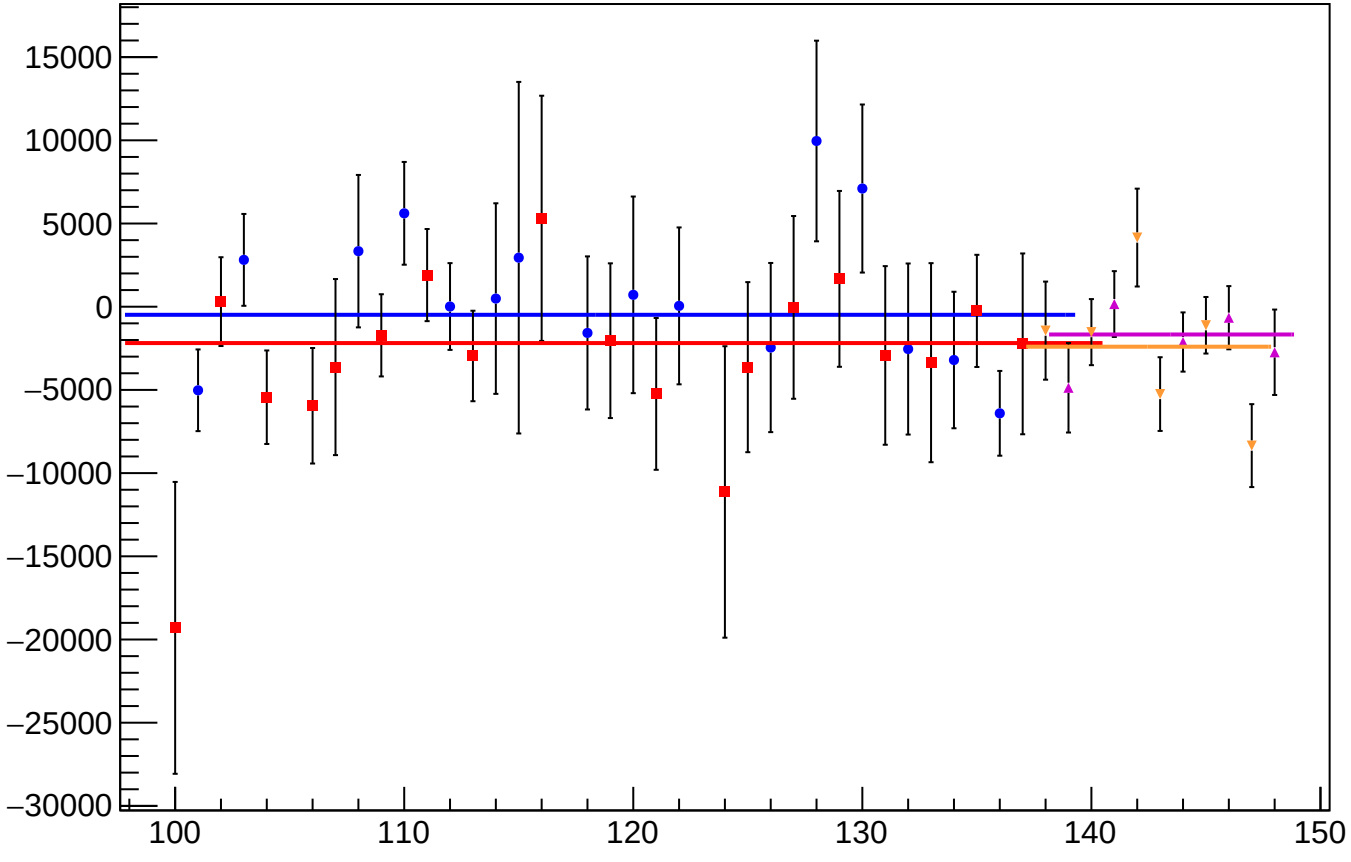
Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 239.436+/-0.050 χ^2/NDF: 638808.2/21

All: 237.355+/-0.035 χ^2/NDF: 1283583.0/45

- sign 235.350+/-0.049 χ^2/NDF: 641408.3/23

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

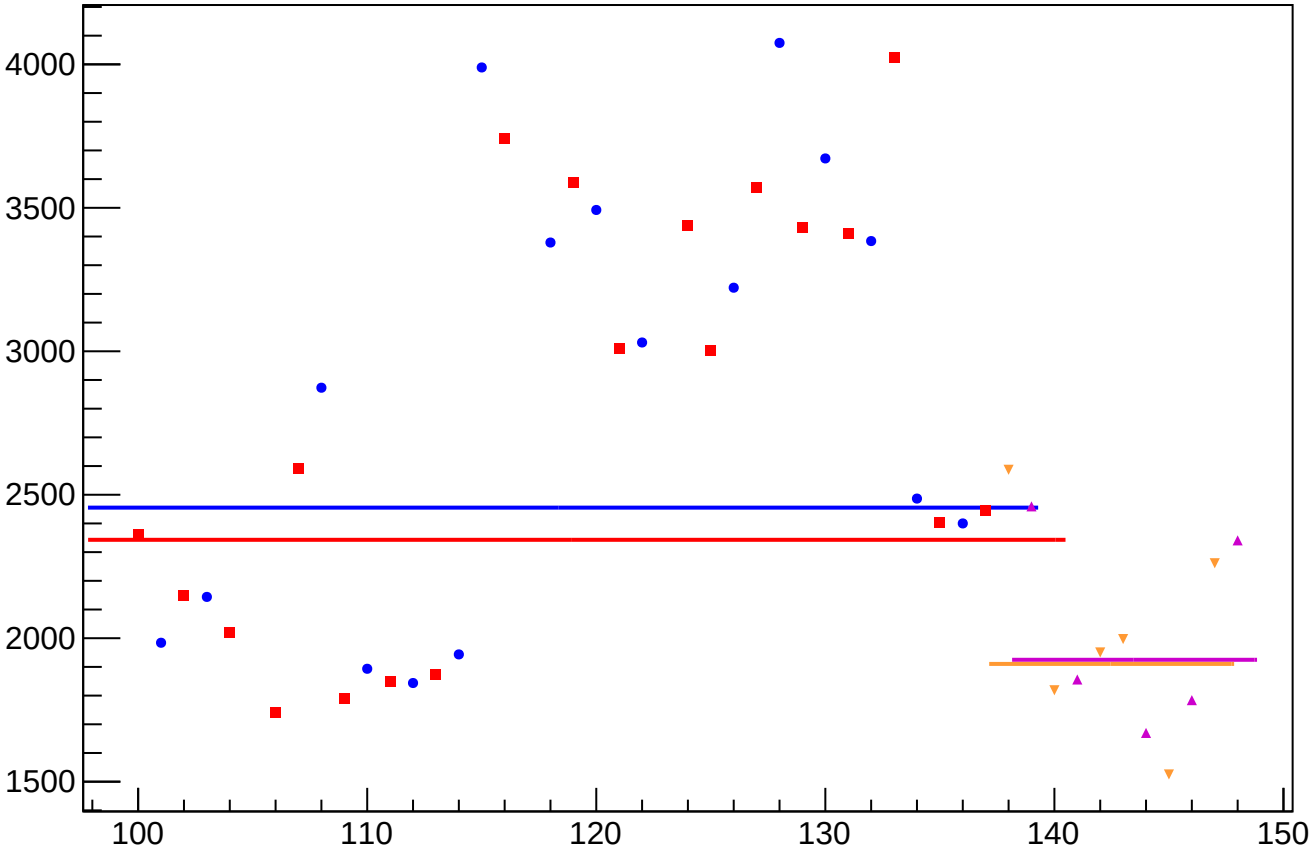
Left In: -1668.768+/-937.075 χ^2/NDF:2.8/4

+ sign -1478.367+/-658.047 χ^2/NDF: 36.4/21

All: -1712.081+/-461.553 χ^2/NDF: 52.9/45

- sign -1938.399+/-647.550 χ^2/NDF: 16.2/23

asym_sam4_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

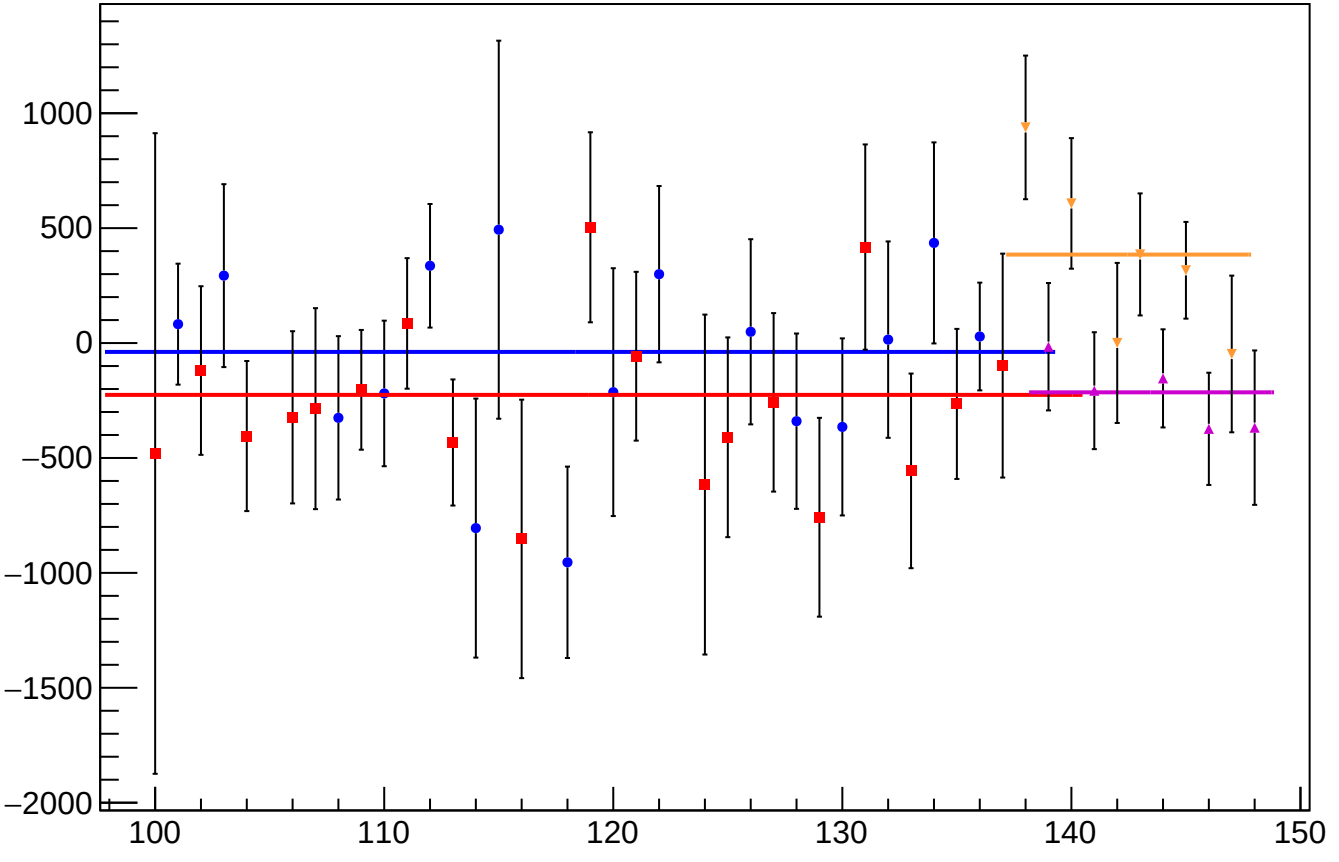
Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

+ sign 2173.168+/-0.465 χ^2/NDF: 1491989.1/21

All: 2157.984+/-0.326 χ^2/NDF: 2958535.3/45

- sign 2143.280+/-0.458 χ^2/NDF: 1464450.2/23

eigen_cor_asym_sam4_mean vs Slug



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

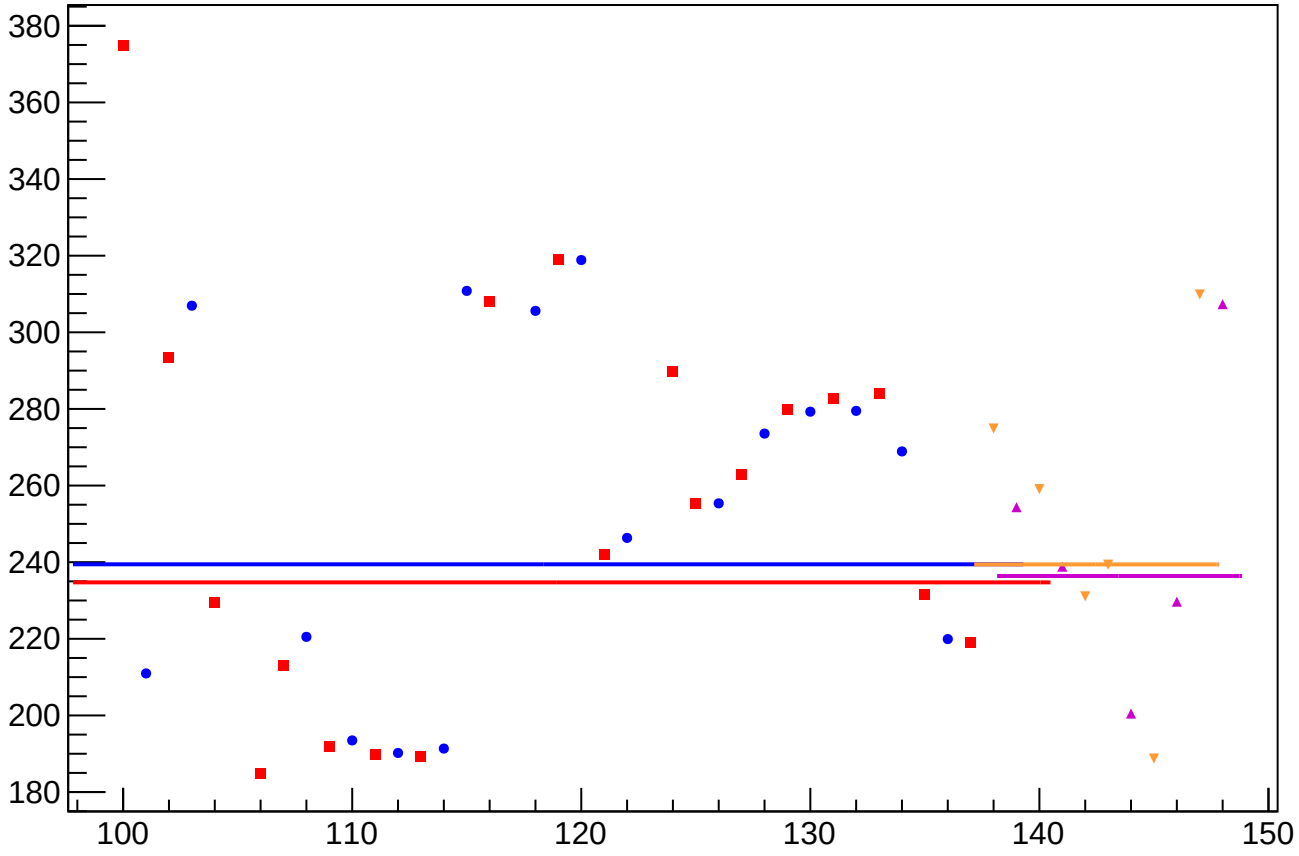
Left In: -214.397+/-114.669 χ^2/NDF:1.2/4

+ sign 124.548+/-71.063 χ^2/NDF: 29.6/21

All: -51.595+/-49.787 χ^2/NDF: 54.3/45

- sign -221.398+/-69.773 χ^2/NDF: 12.7/23

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

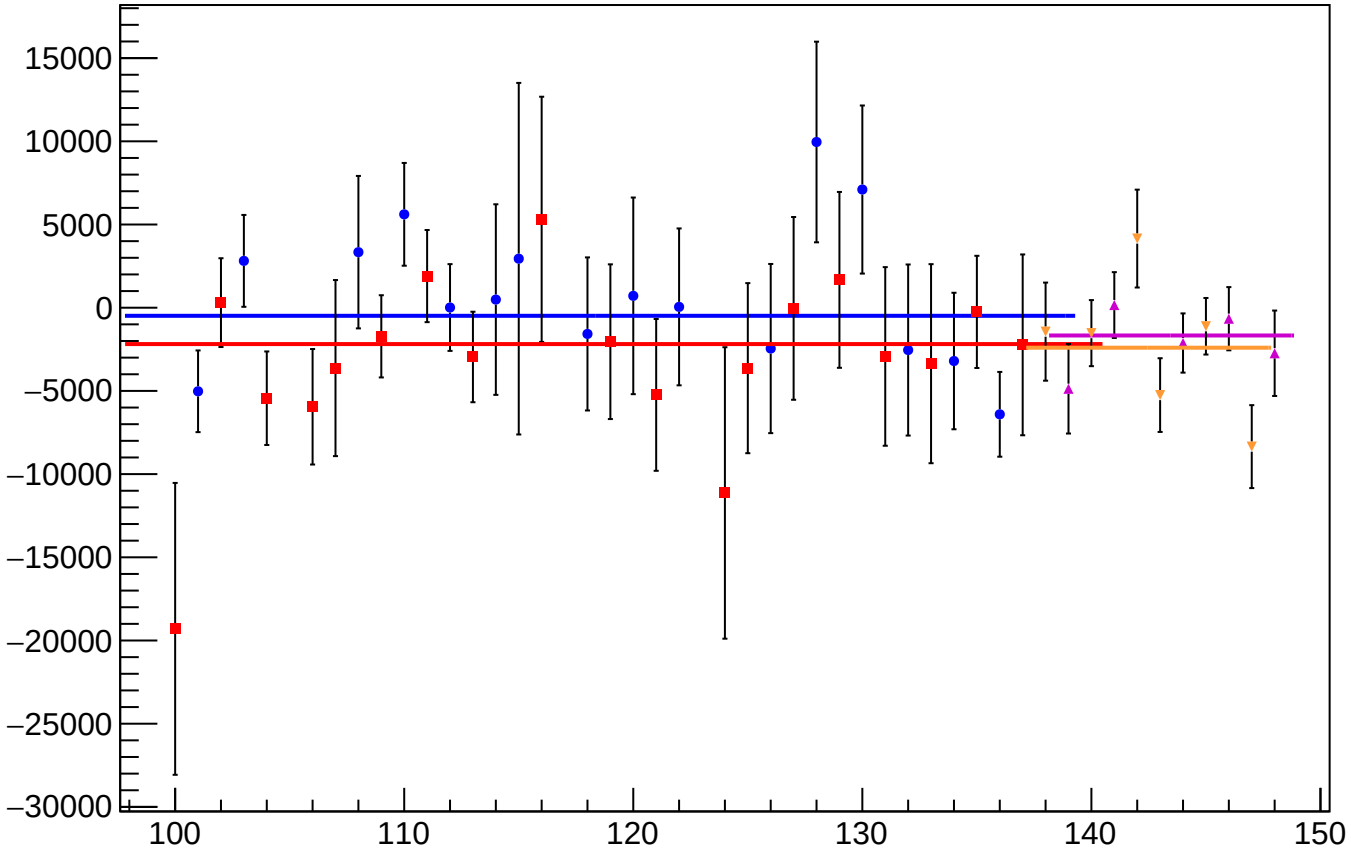
Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 239.436+/-0.050 χ^2/NDF: 638808.2/21

All: 237.355+/-0.035 χ^2/NDF: 1283583.0/45

- sign 235.350+/-0.049 χ^2/NDF: 641408.3/23

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

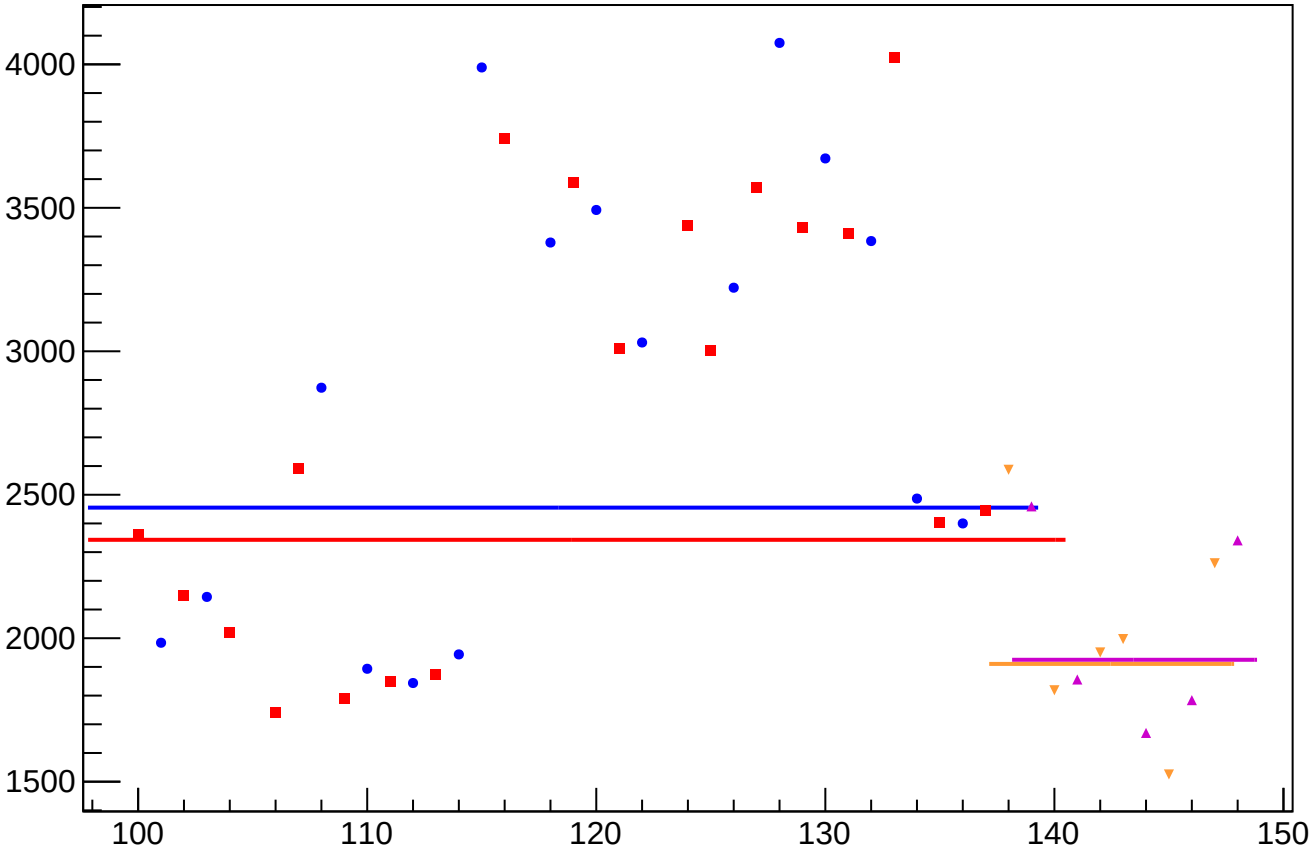
Left In: -1668.768+/-937.075 χ^2/NDF:2.8/4

+ sign -1478.367+/-658.047 χ^2/NDF: 36.4/21

All: -1712.081+/-461.553 χ^2/NDF: 52.9/45

- sign -1938.399+/-647.550 χ^2/NDF: 16.2/23

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

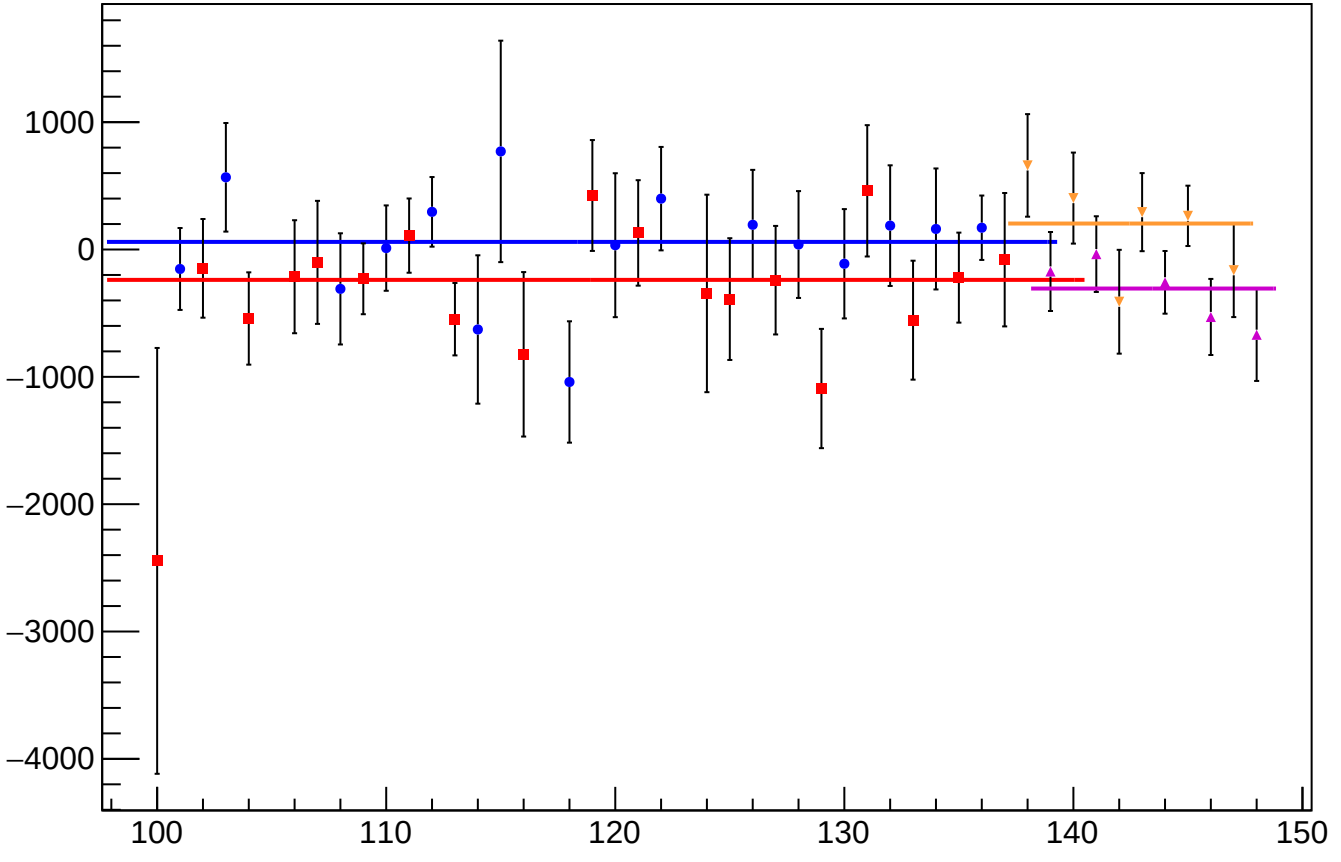
Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

+ sign 2173.168+/-0.465 χ^2/NDF: 1491989.1/21

All: 2157.984+/-0.326 χ^2/NDF: 2958535.3/45

- sign 2143.280+/-0.458 χ^2/NDF: 1464450.2/23

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

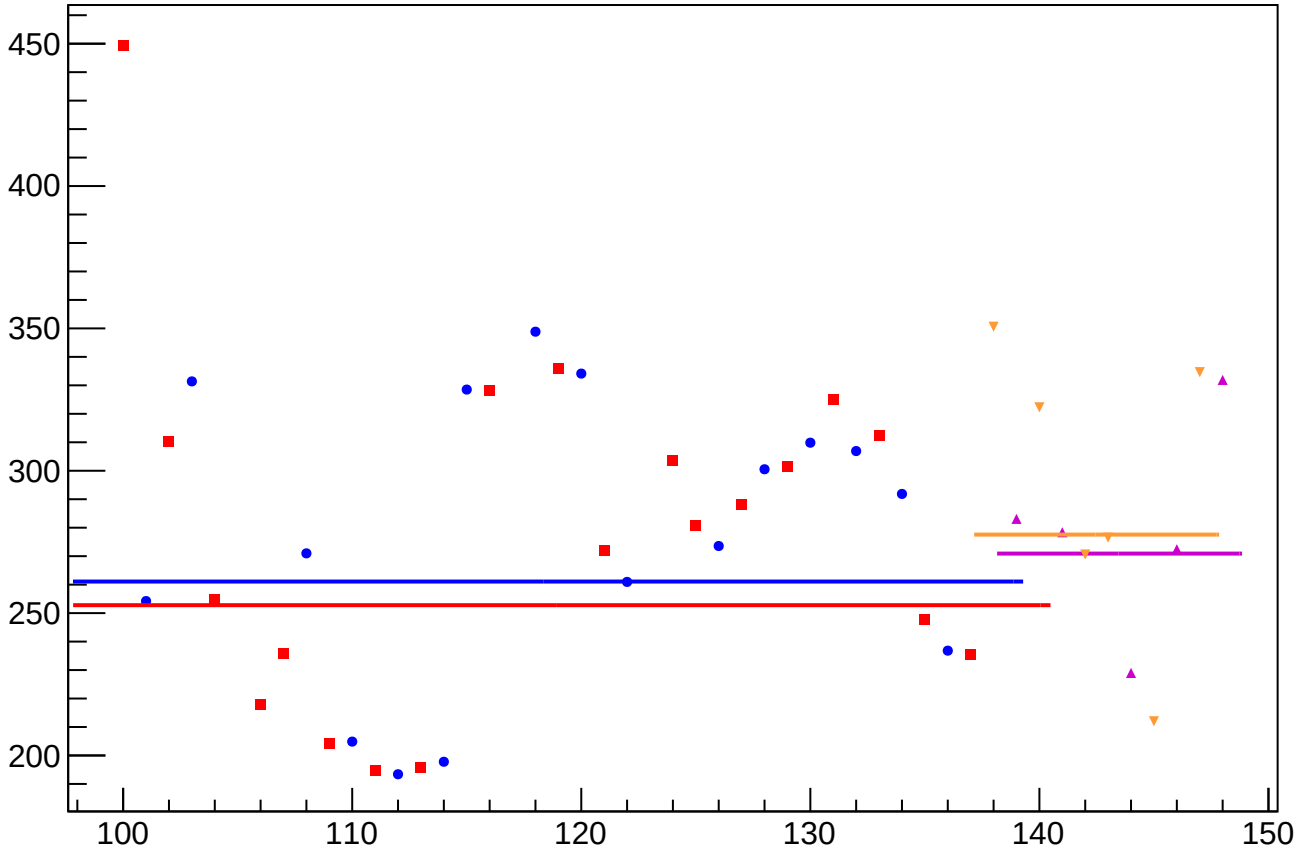
Left In: -306.588+/-132.428 χ^2/NDF:2.6/4

\+ sign 110.900+/-79.709 χ^2/NDF: 17.8/21

All: -81.278+/-55.464 χ^2/NDF: 46.8/45

\- sign -261.665+/-77.225 χ^2/NDF: 17.7/23

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

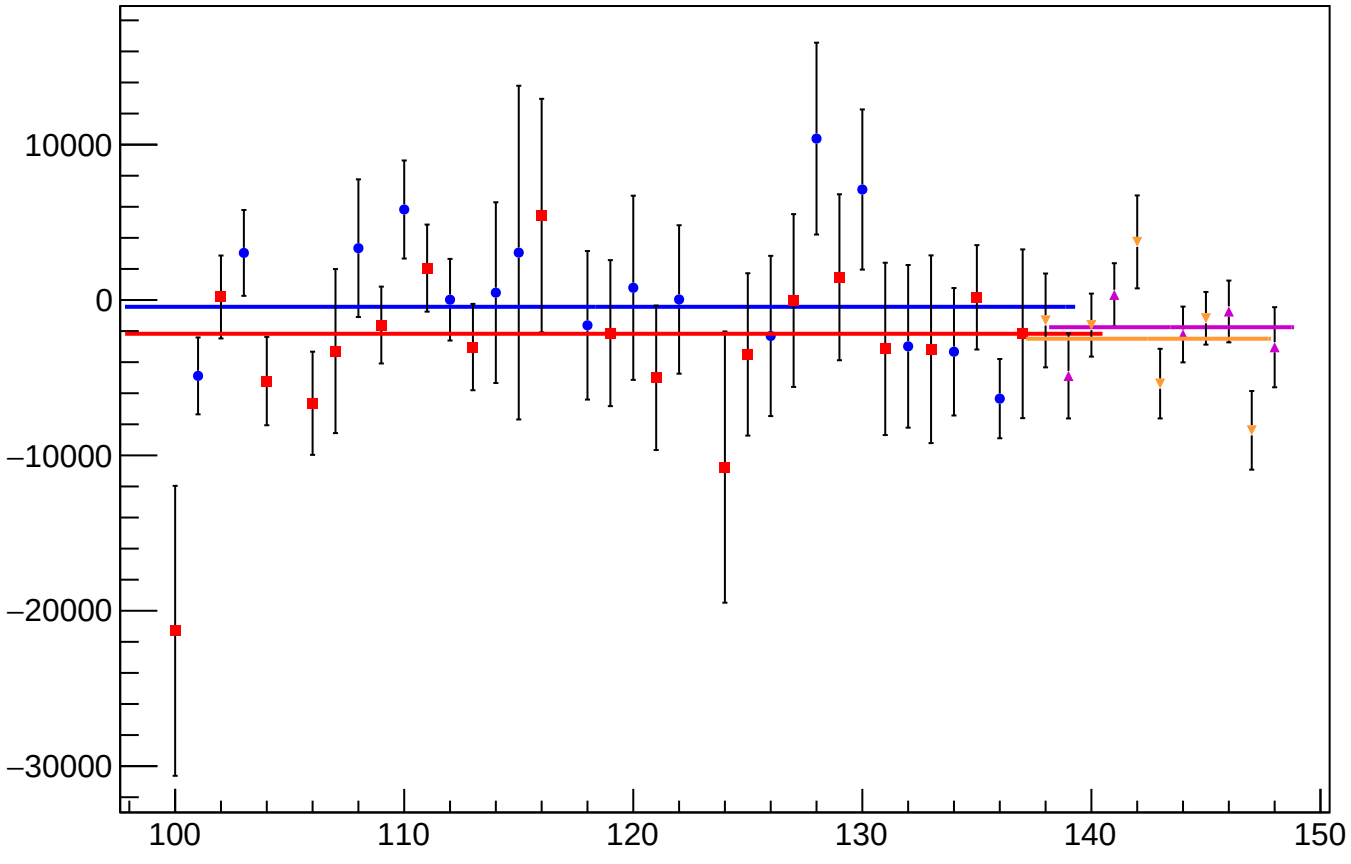
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 270.908+/-0.094 χ^2/NDF:118977.5/4

+ sign 266.938+/-0.056 χ^2/NDF: 781089.5/21

All: 262.817+/-0.039 χ^2/NDF: 1472434.2/45

- sign 258.949+/-0.055 χ^2/NDF: 680982.7/23



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

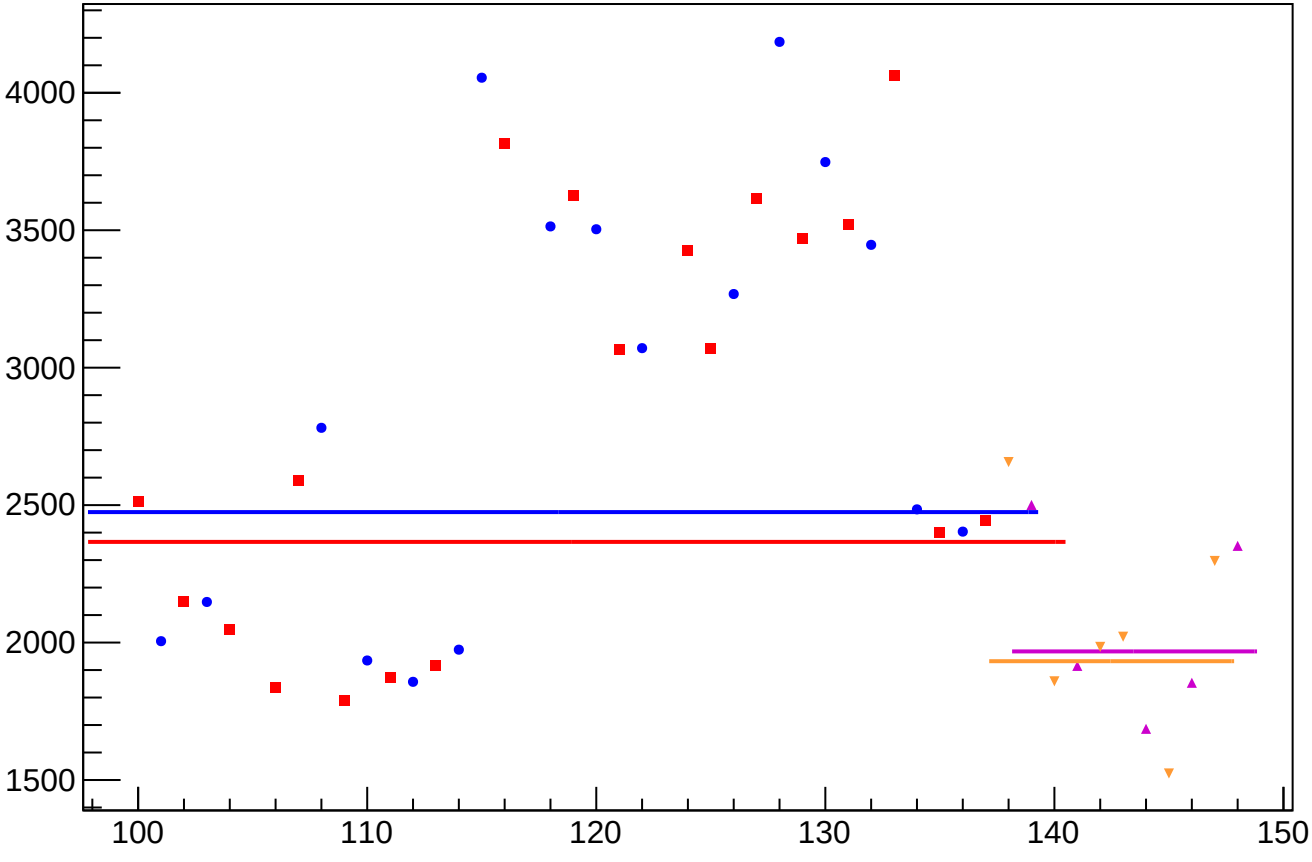
Left In: -1750.637+/-958.642 χ^2/NDF:2.9/4

+ sign -1496.309+/-664.553 χ^2/NDF: 36.0/21

All: -1738.237+/-467.064 χ^2/NDF: 53.3/45

- sign -1974.391+/-656.575 χ^2/NDF: 17.0/23

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

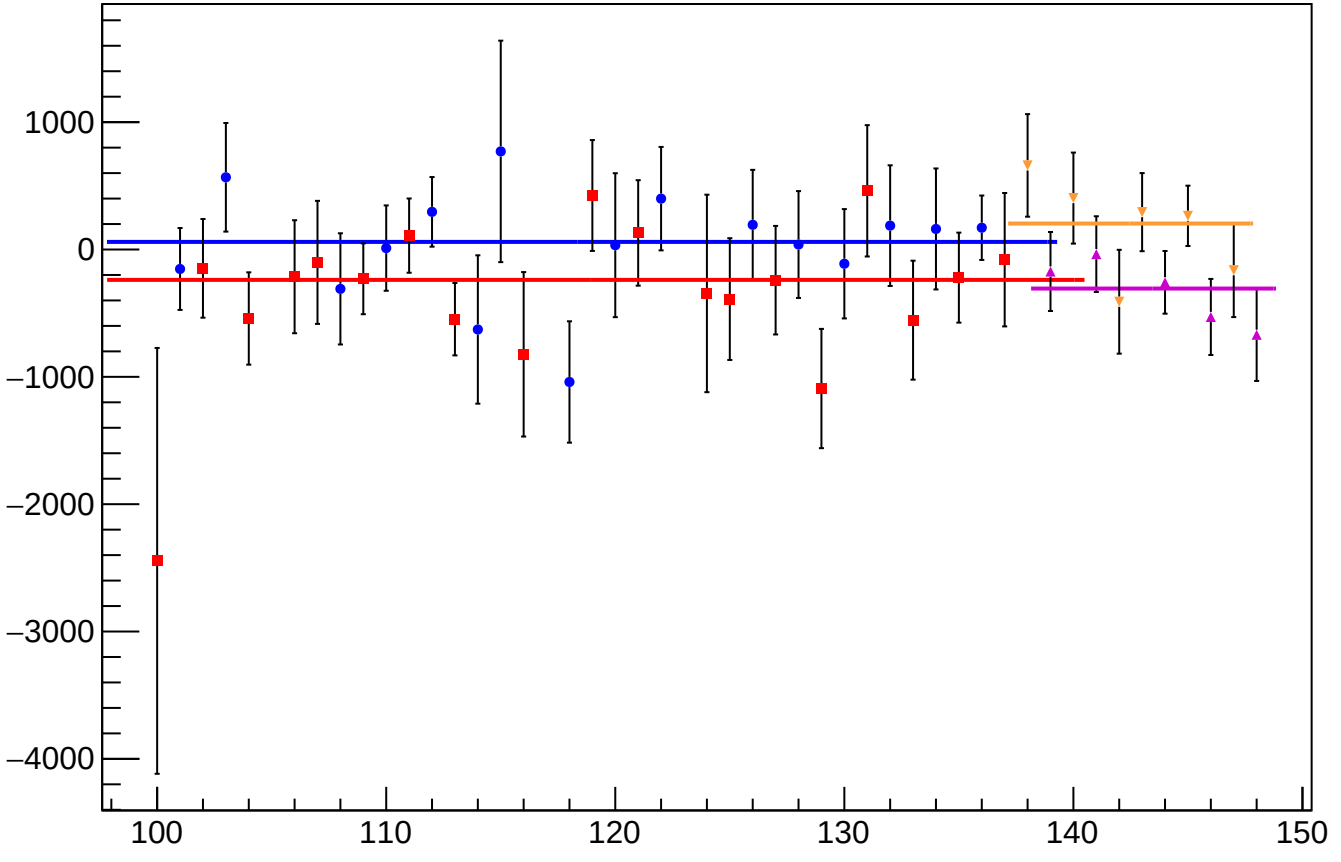
Left In: 1967.784+/-0.678 χ^2/NDF:177335.5/4

+ sign 2194.784+/-0.470 χ^2/NDF: 1528163.6/21

All: 2186.958+/-0.330 χ^2/NDF: 2966647.0/45

- sign 2179.318+/-0.464 χ^2/NDF: 1437935.3/23

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

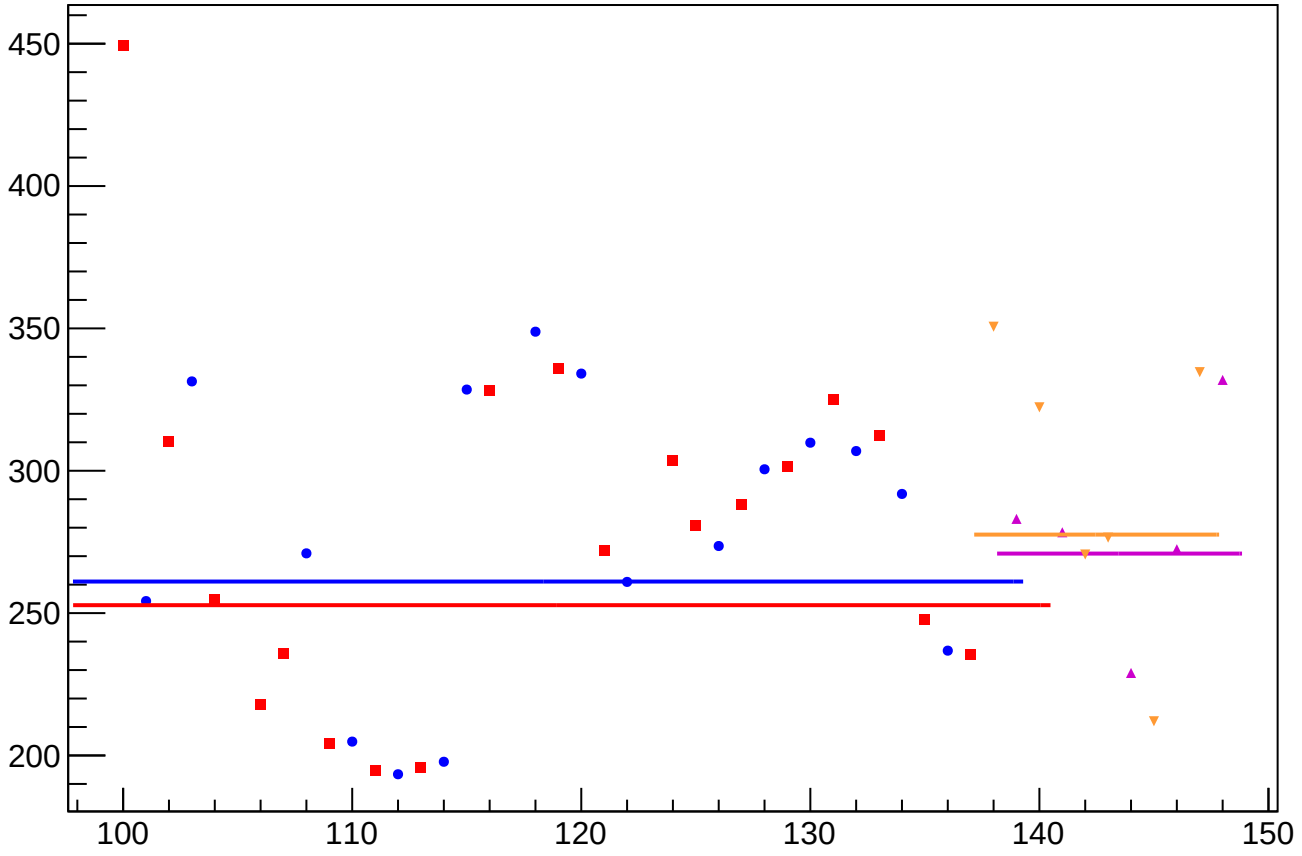
Left In: -306.589+/-132.428 χ^2/NDF:2.6/4

+ sign 110.903+/-79.709 χ^2/NDF: 17.8/21

All: -81.276+/-55.464 χ^2/NDF: 46.8/45

- sign -261.665+/-77.225 χ^2/NDF: 17.7/23

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

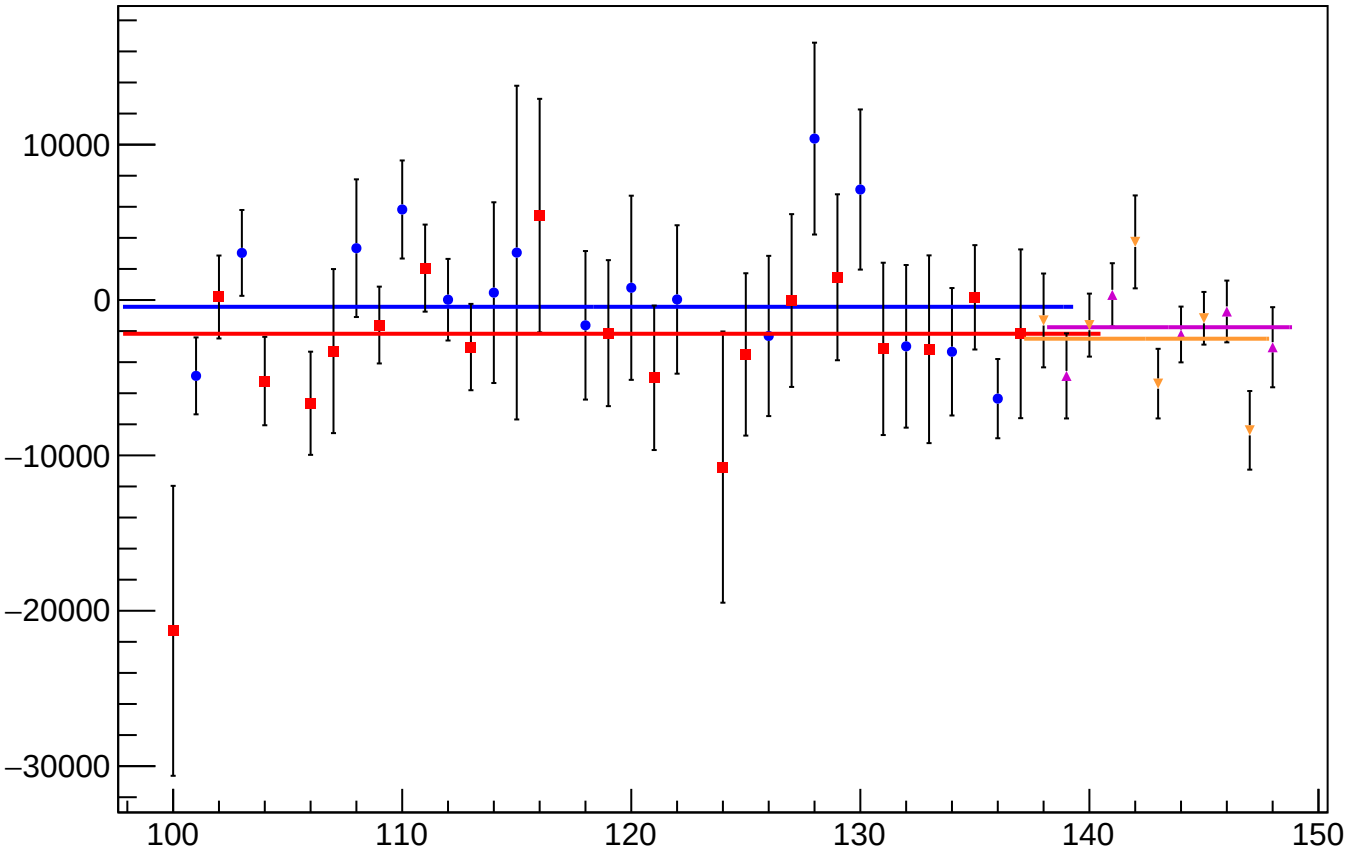
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 270.909+/-0.094 χ^2/NDF:118975.7/4

+ sign 266.938+/-0.056 χ^2/NDF: 781088.9/21

All: 262.817+/-0.039 χ^2/NDF: 1472436.5/45

- sign 258.950+/-0.055 χ^2/NDF: 680985.3/23



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

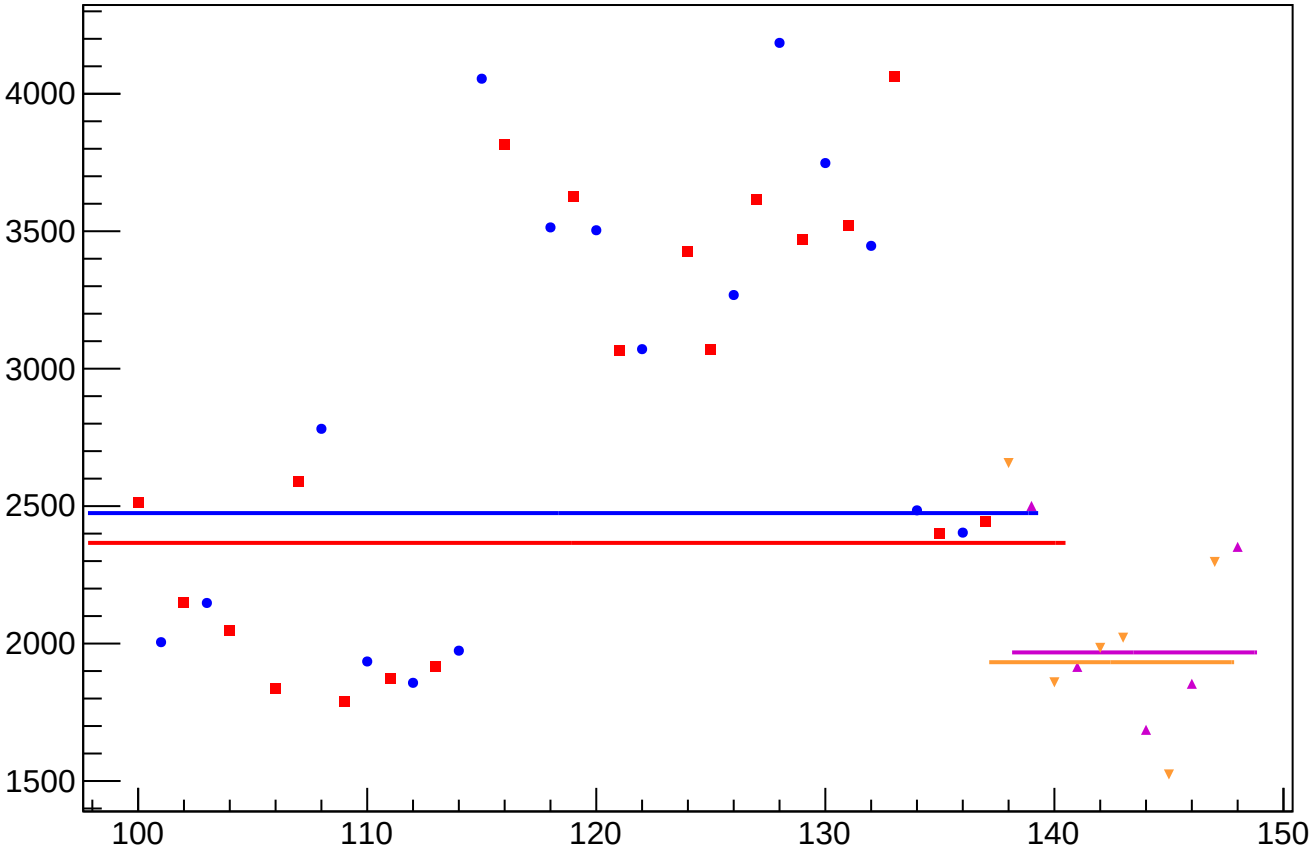
Left In: -1750.637+/-958.642 χ^2/NDF:2.9/4

+ sign -1496.308+/-664.552 χ^2/NDF: 36.0/21

All: -1738.236+/-467.063 χ^2/NDF: 53.3/45

- sign -1974.390+/-656.575 χ^2/NDF: 17.0/23

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

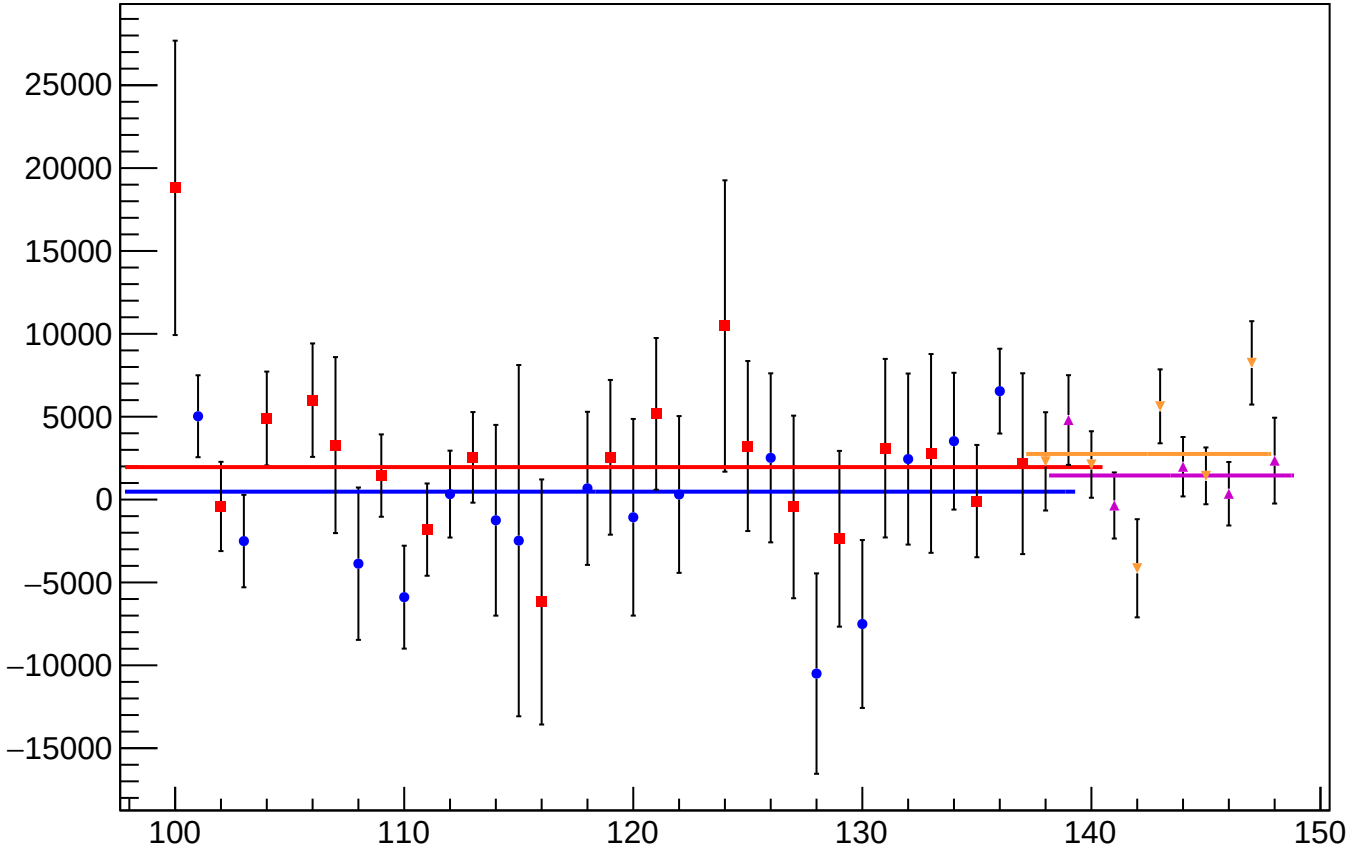
Left In: 1967.783+/-0.678 χ^2/NDF:177335.9/4

+ sign 2194.781+/-0.470 χ^2/NDF: 1528172.1/21

All: 2186.956+/-0.330 χ^2/NDF: 2966657.7/45

- sign 2179.317+/-0.464 χ^2/NDF: 1437937.5/23

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

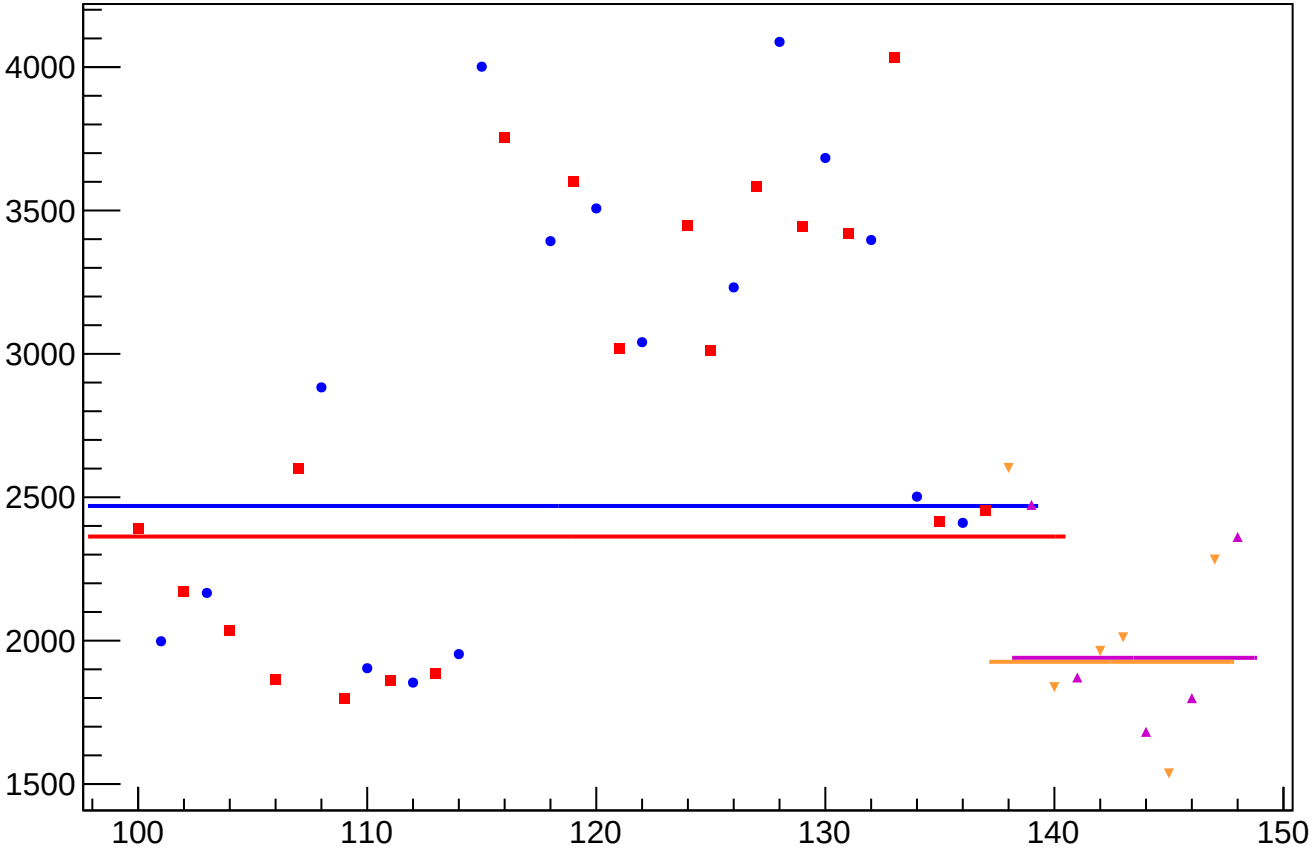
Left In: 1453.292+/-944.407 χ^2/NDF:2.9/4

+ sign 1651.994+/-662.608 χ^2/NDF: 37.6/21

All: 1685.892+/-464.527 χ^2/NDF: 53.5/45

- sign 1718.656+/-651.416 χ^2/NDF: 15.9/23

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

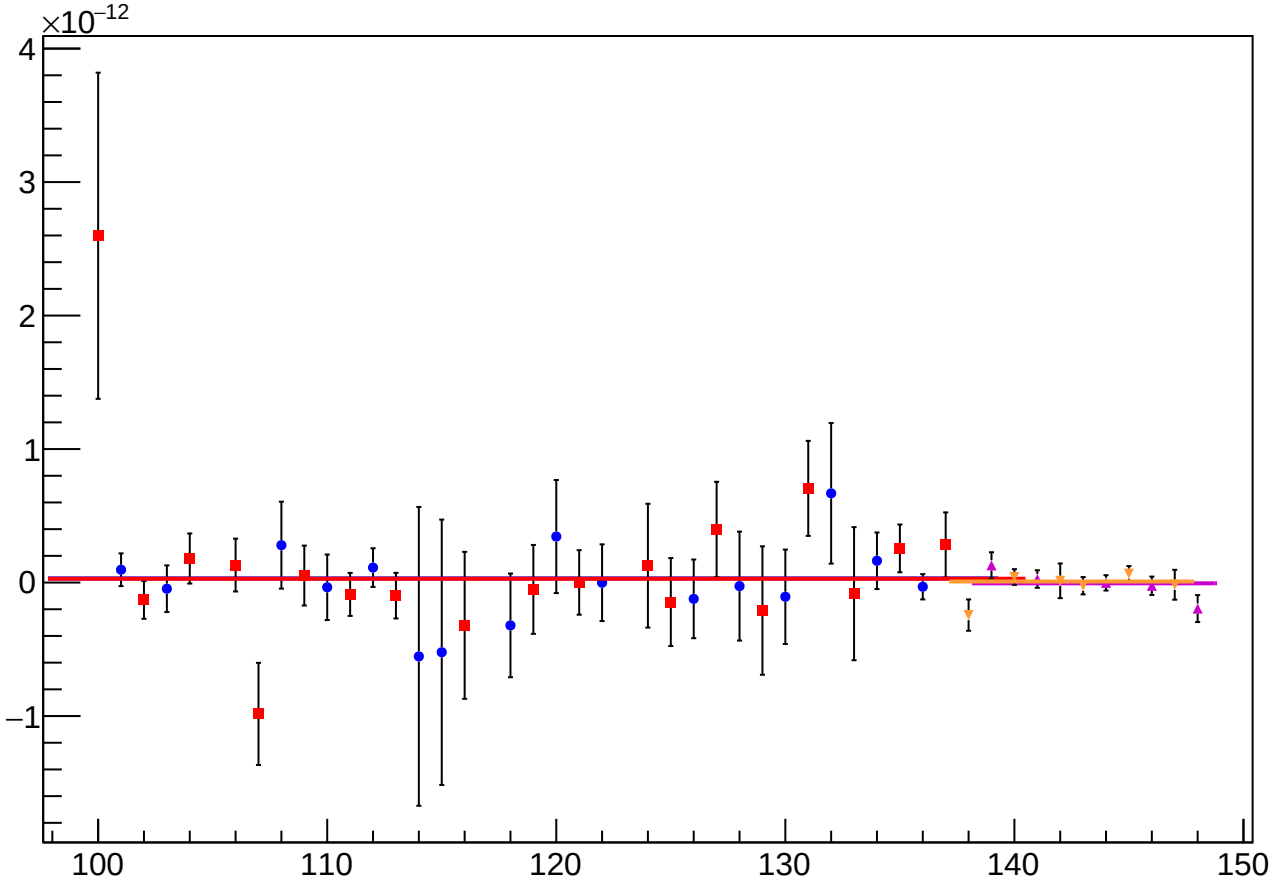
Left In: 1940.090+/-0.668 χ^2/NDF:185270.7/4

+ sign 2189.059+/-0.469 χ^2/NDF: 1476683.6/21

All: 2175.207+/-0.328 χ^2/NDF: 2917315.4/45

- sign 2161.819+/-0.461 χ^2/NDF: 1438913.0/23

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

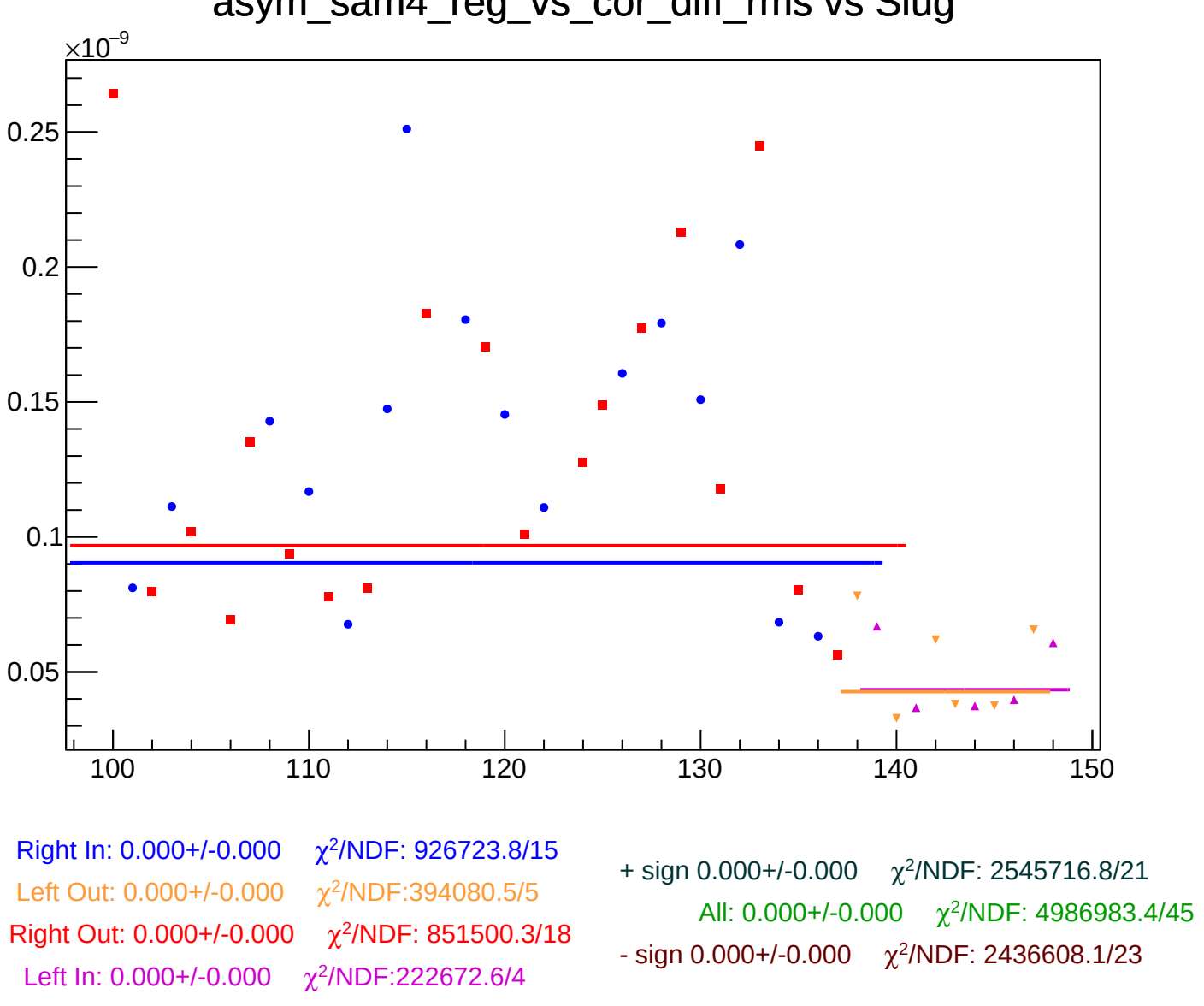
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/4

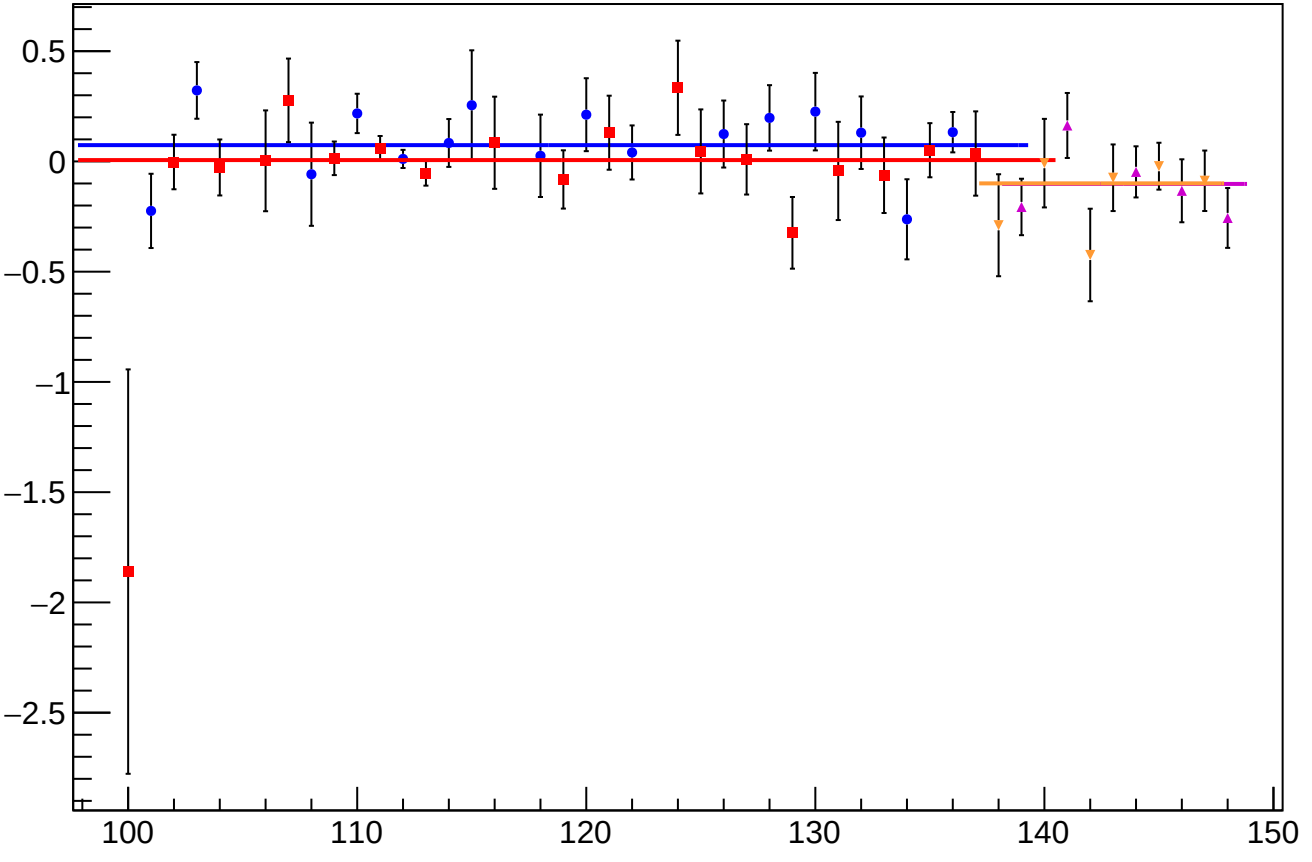
+ sign 0.000+/-0.000 χ^2/NDF: 12.5/21

All: 0.000+/-0.000 χ^2/NDF: 41.8/45

- sign 0.000+/-0.000 χ^2/NDF: 29.2/23


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:394080.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:222672.6/4
+ sign 0.000+/-0.000 χ²/NDF: 2545716.8/21
All: 0.000+/-0.000 χ²/NDF: 4986983.4/45
- sign 0.000+/-0.000 χ²/NDF: 2436608.1/23

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

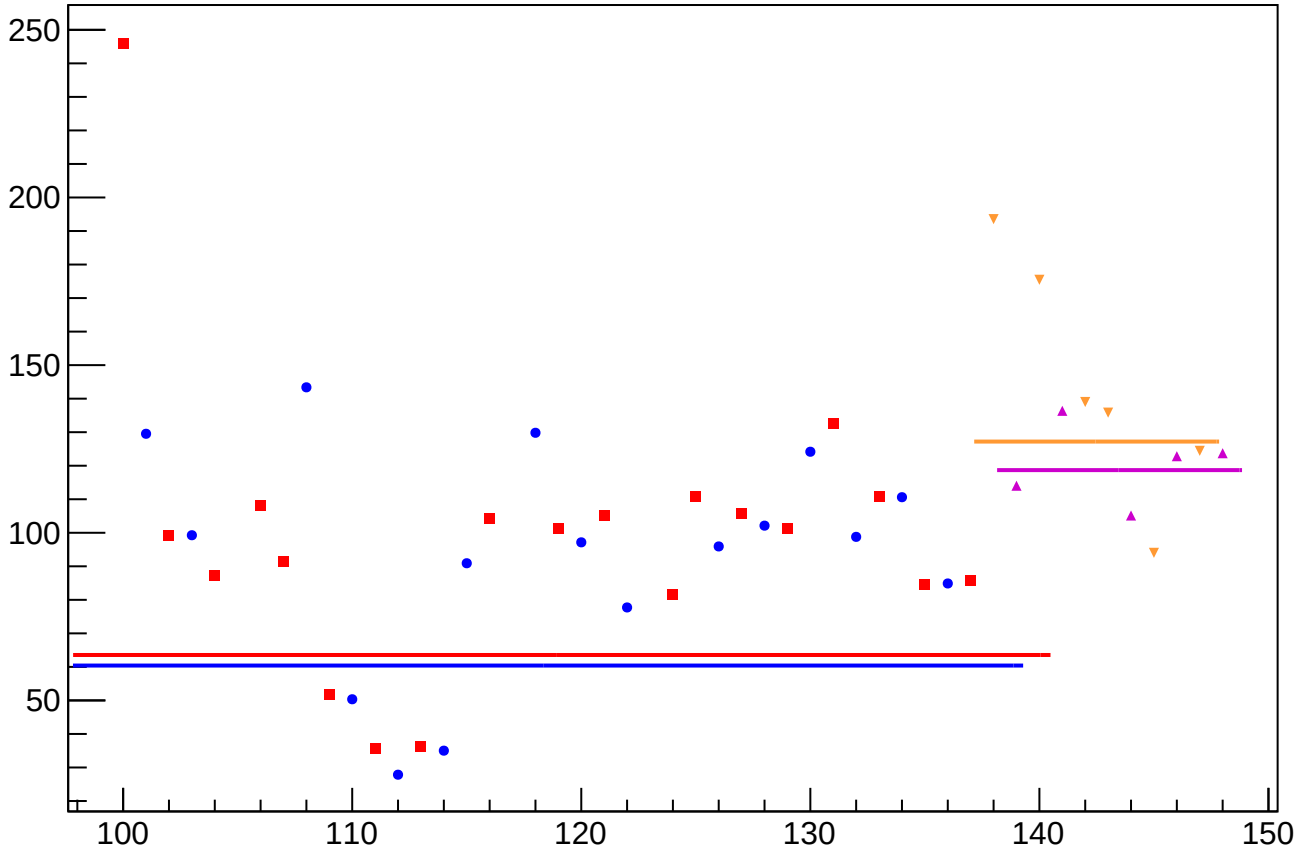
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.017+/-0.017 χ^2/NDF: 56.8/45

- sign -0.012+/-0.024 χ^2/NDF: 24.6/23

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

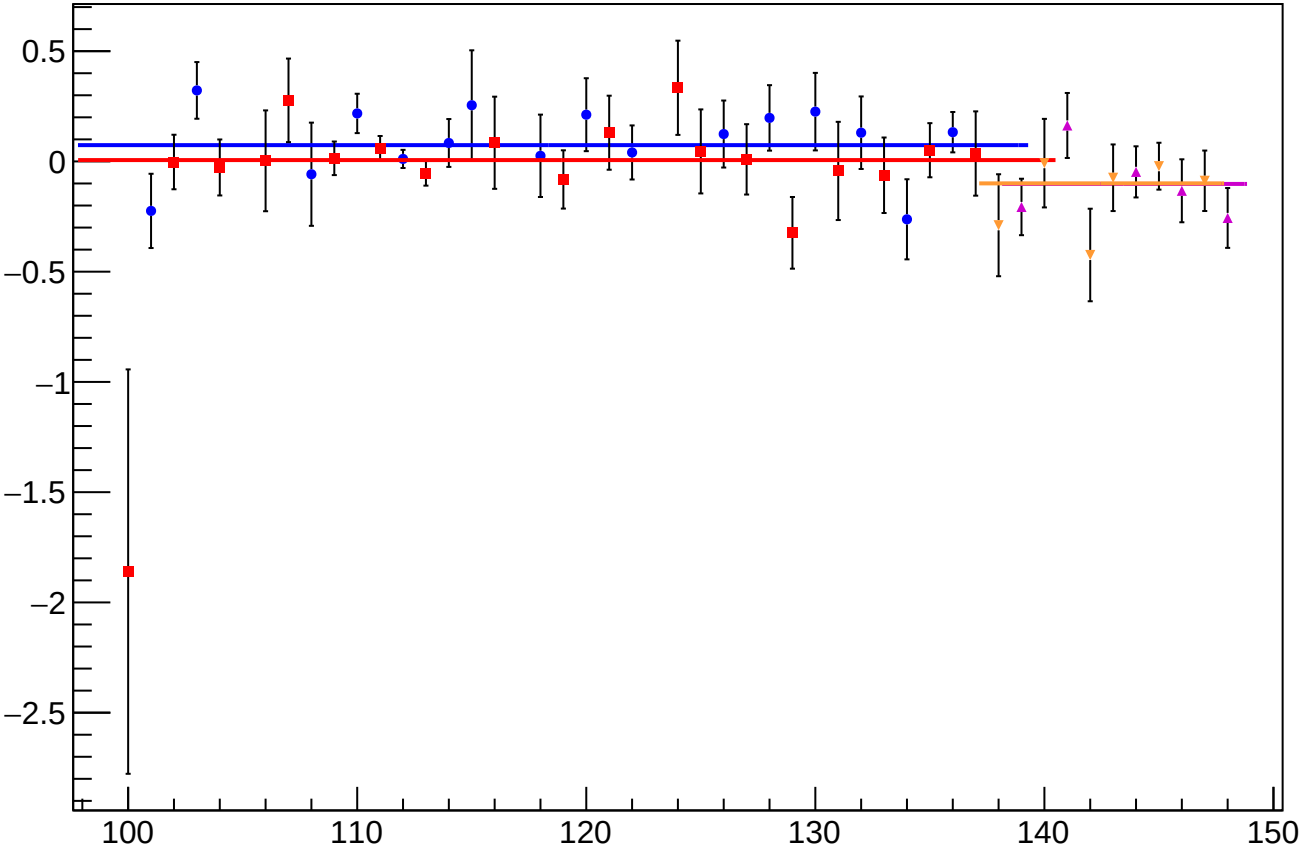
Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

\+ sign 70.767+/-0.018 χ^2/NDF: 5924945.1/21

All: 71.868+/-0.012 χ^2/NDF: 10087442.8/45

\- sign 72.934+/-0.017 χ^2/NDF: 4154760.6/23

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

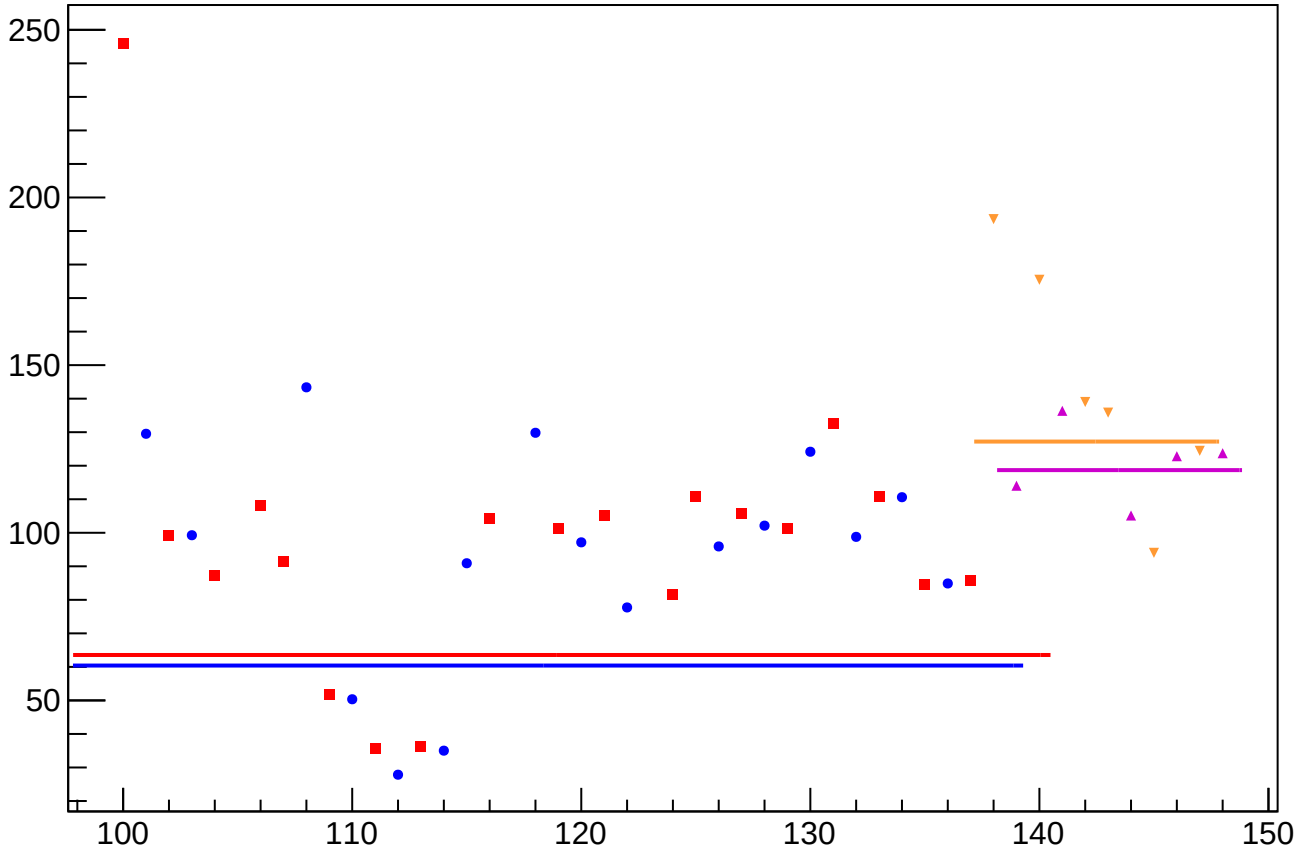
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.017+/-0.017 χ^2/NDF: 56.8/45

- sign -0.012+/-0.024 χ^2/NDF: 24.6/23

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

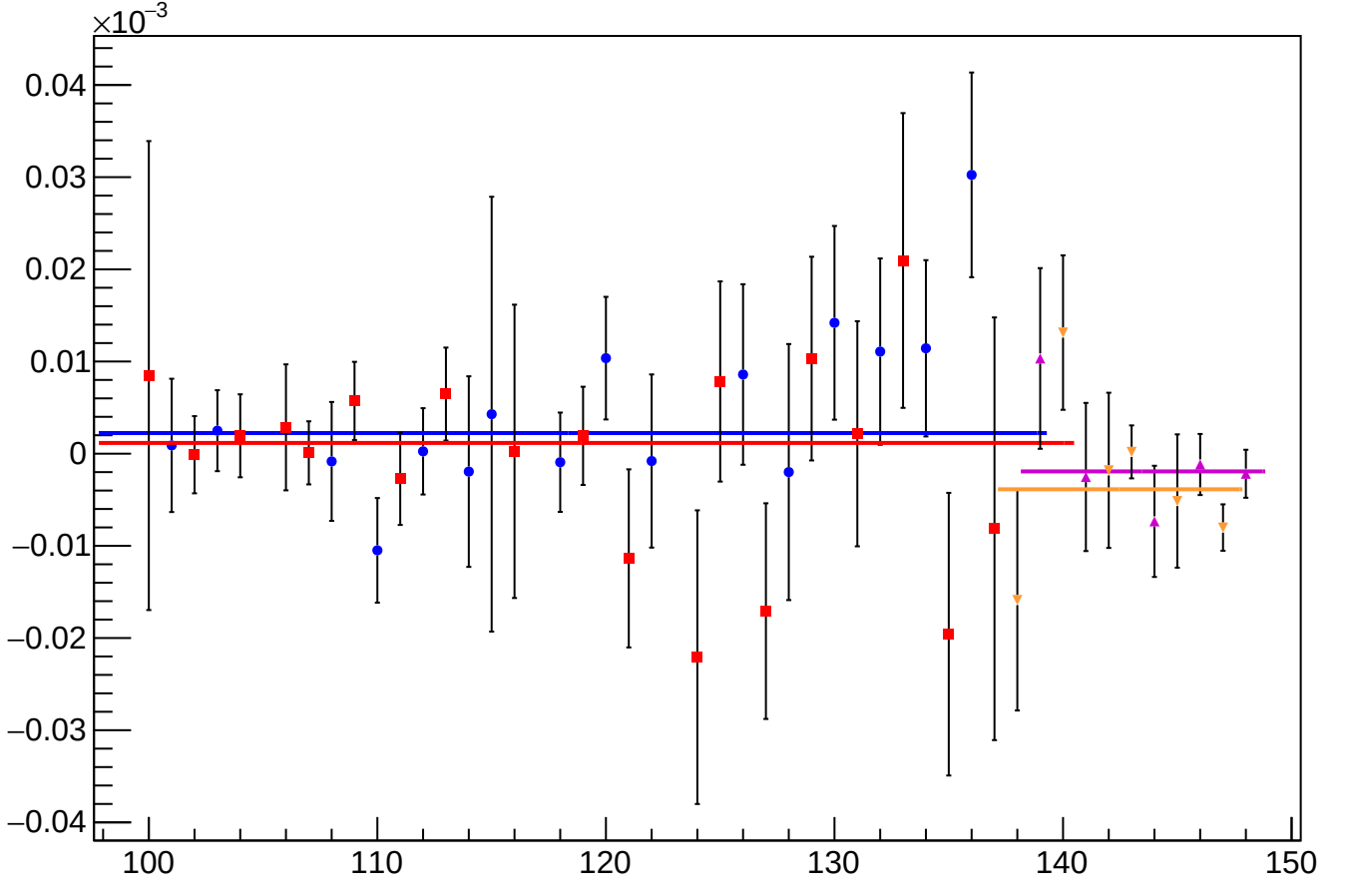
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

+ sign 70.767+/-0.018 χ^2/NDF: 5924945.1/21

All: 71.868+/-0.012 χ^2/NDF: 10087442.8/45

- sign 72.934+/-0.017 χ^2/NDF: 4154760.6/23



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

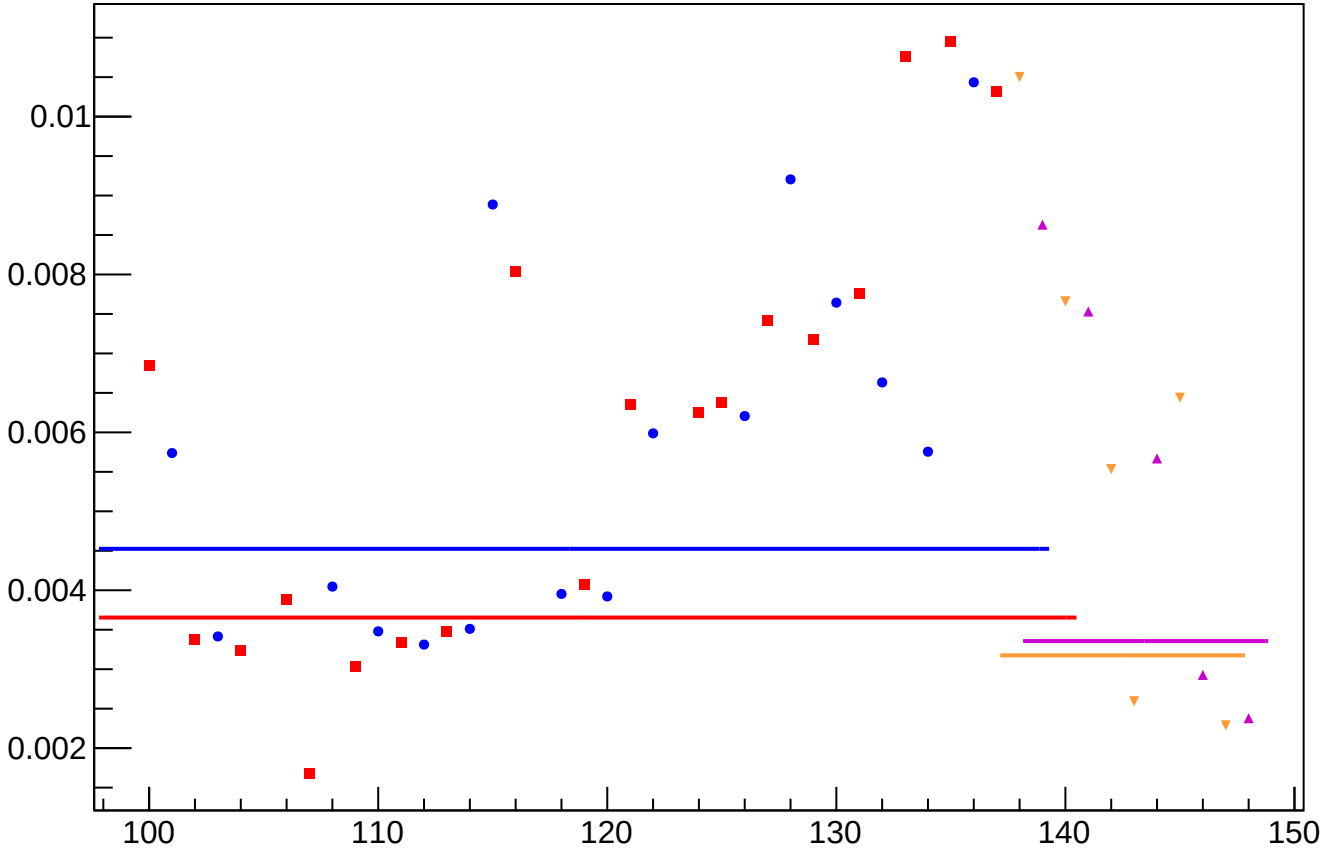
Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/21

All: -0.000+/-0.000 χ^2/NDF: 51.8/45

- sign -0.000+/-0.000 χ^2/NDF: 18.2/23

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

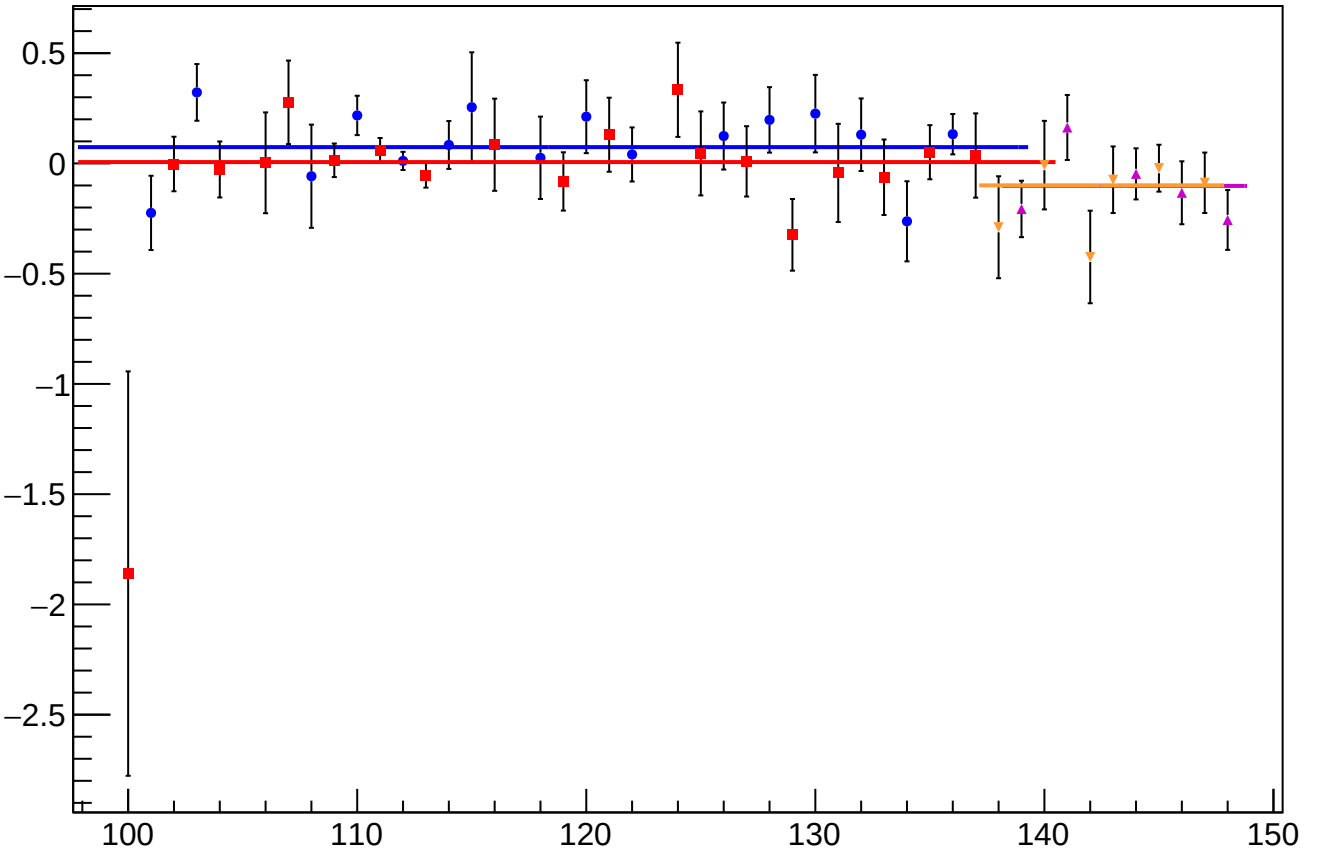
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:1728590.3/4

+ sign 0.004+/-0.000 χ^2/NDF: 4517337.8/21

All: 0.004+/-0.000 χ^2/NDF: 9265471.0/45

- sign 0.004+/-0.000 χ^2/NDF: 4693075.5/23



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

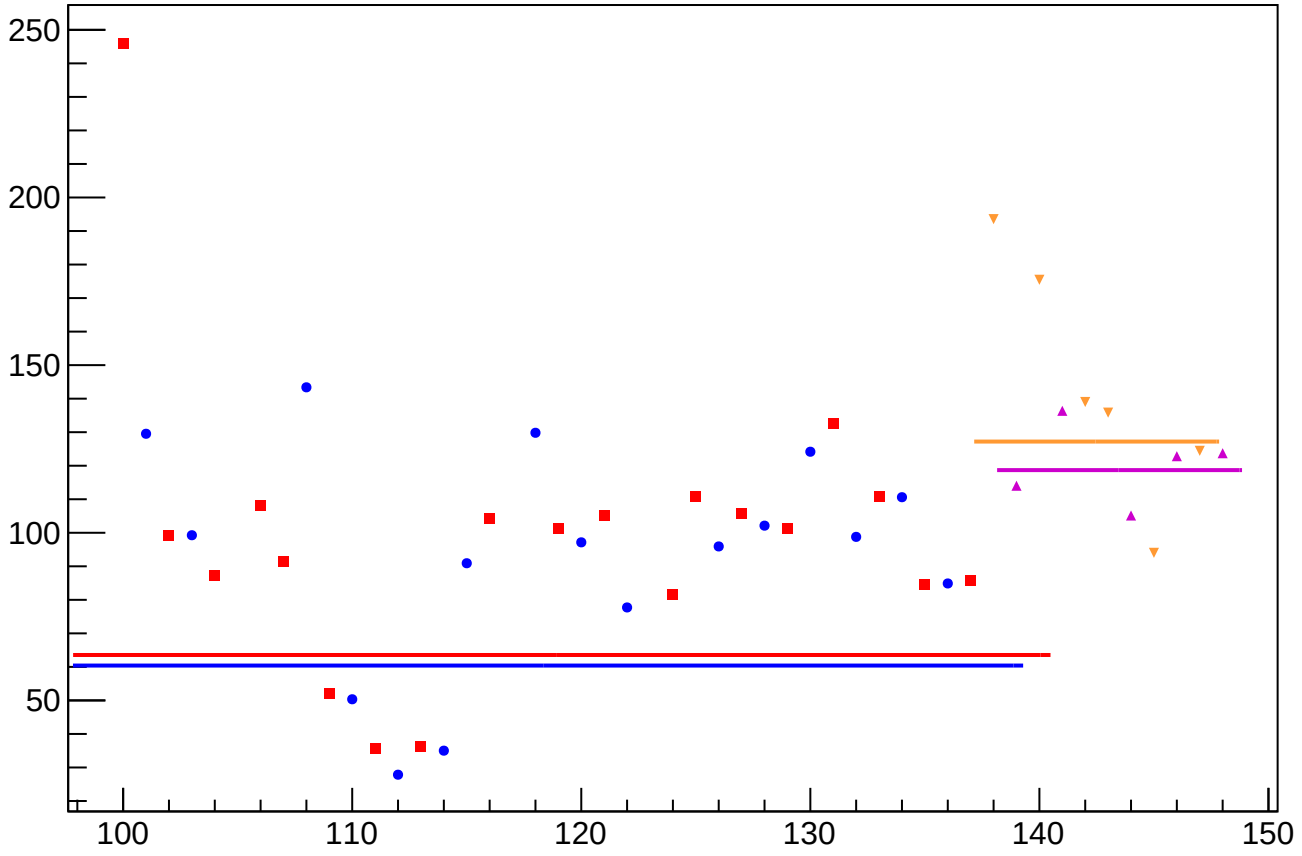
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.017+/-0.017 χ^2/NDF: 56.8/45

- sign -0.012+/-0.024 χ^2/NDF: 24.6/23

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

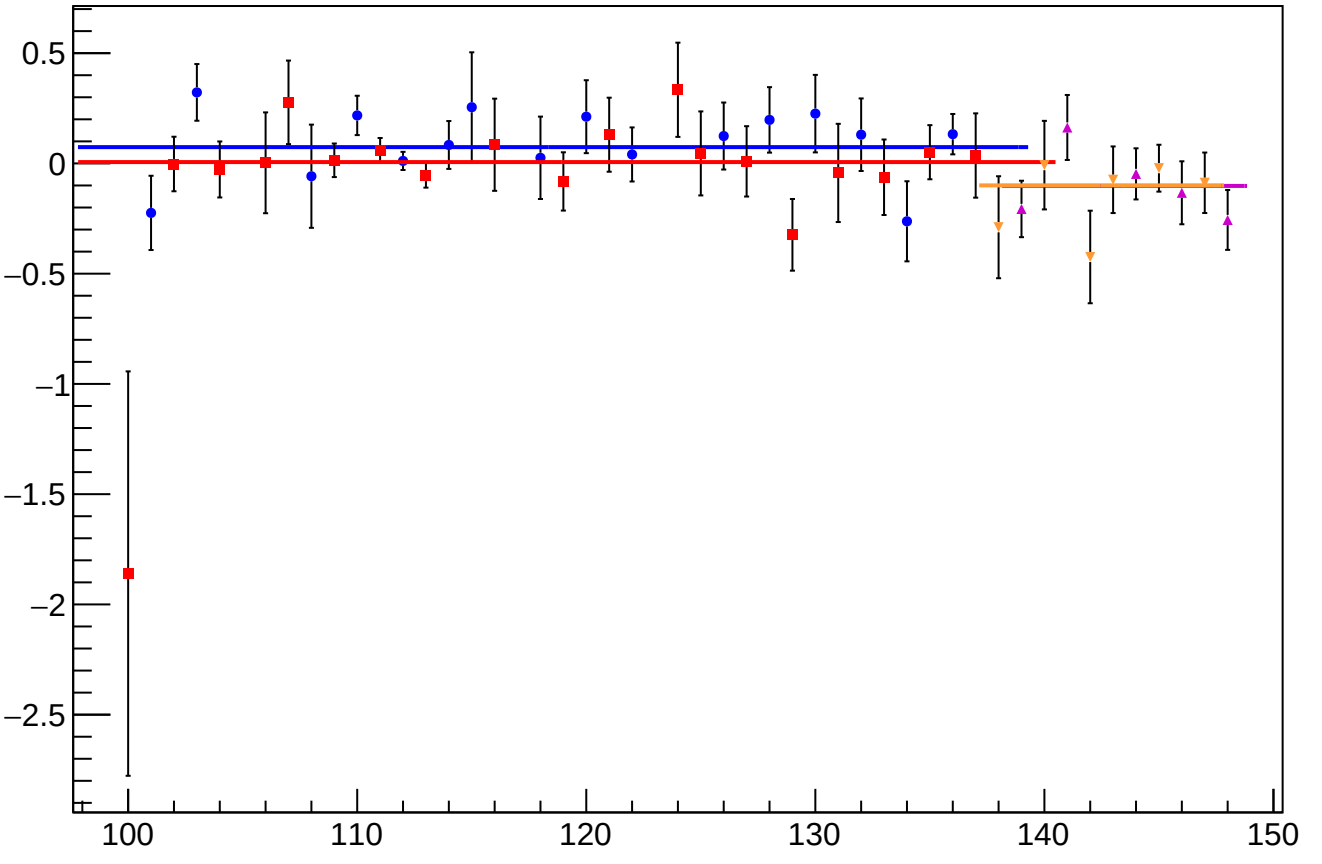
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

+ sign 70.765+/-0.018 χ^2/NDF: 5925358.3/21

All: 71.866+/-0.012 χ^2/NDF: 10088264.5/45

- sign 72.932+/-0.017 χ^2/NDF: 4155166.1/23



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

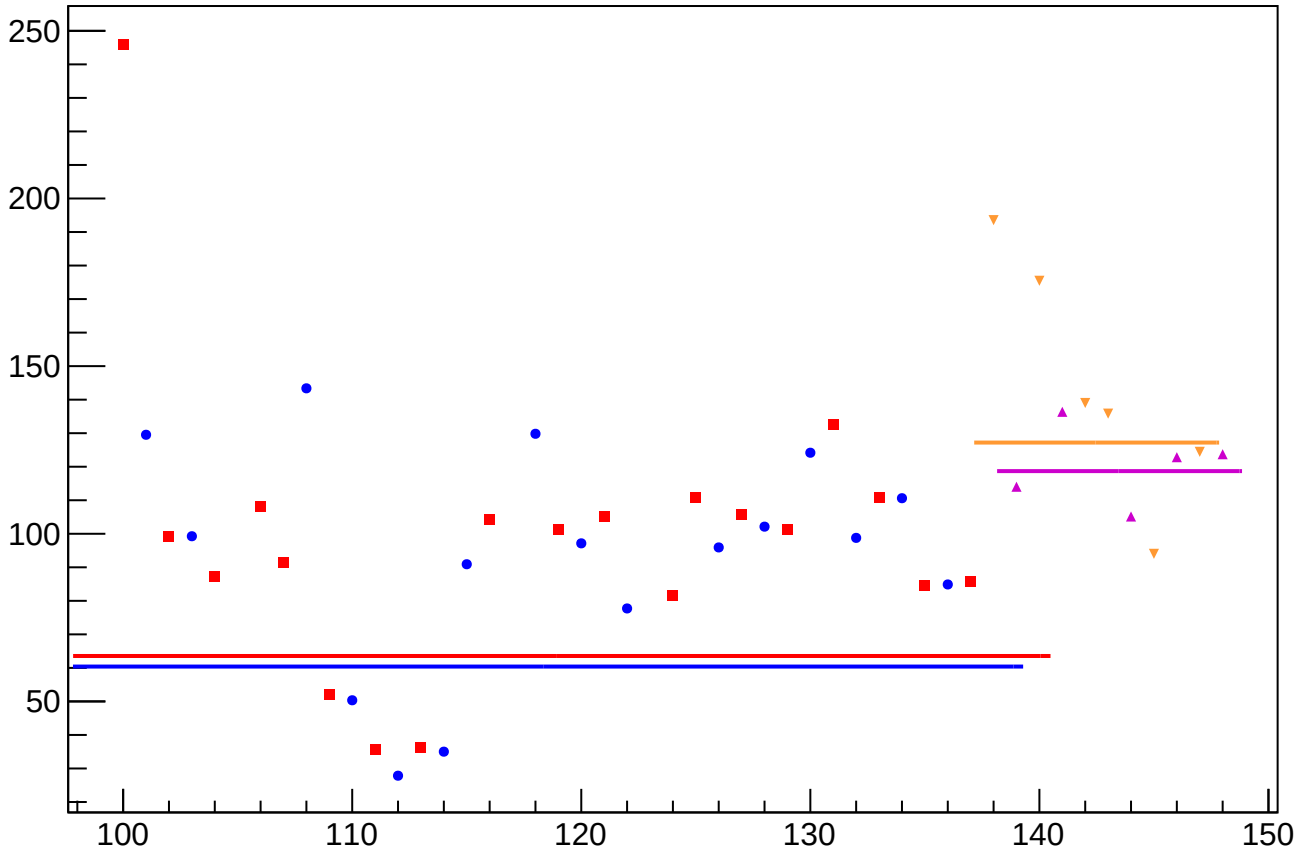
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.047+/-0.025 χ^2/NDF: 29.2/21

All: 0.017+/-0.017 χ^2/NDF: 56.8/45

- sign -0.012+/-0.024 χ^2/NDF: 24.6/23



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

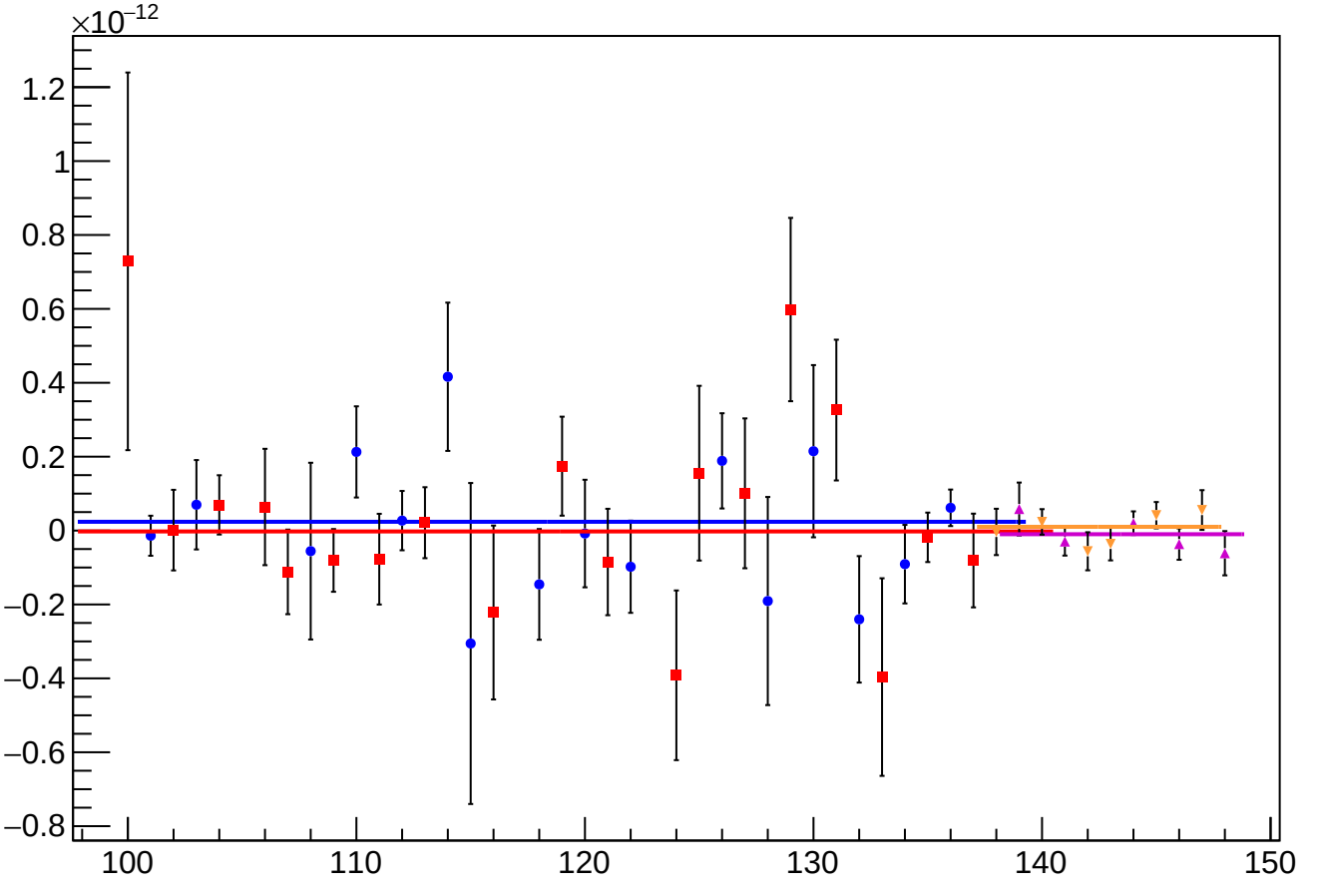
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

\+ sign 70.765+/-0.018 χ^2/NDF: 5925358.3/21

All: 71.866+/-0.012 χ^2/NDF: 10088264.5/45

\- sign 72.932+/-0.017 χ^2/NDF: 4155166.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

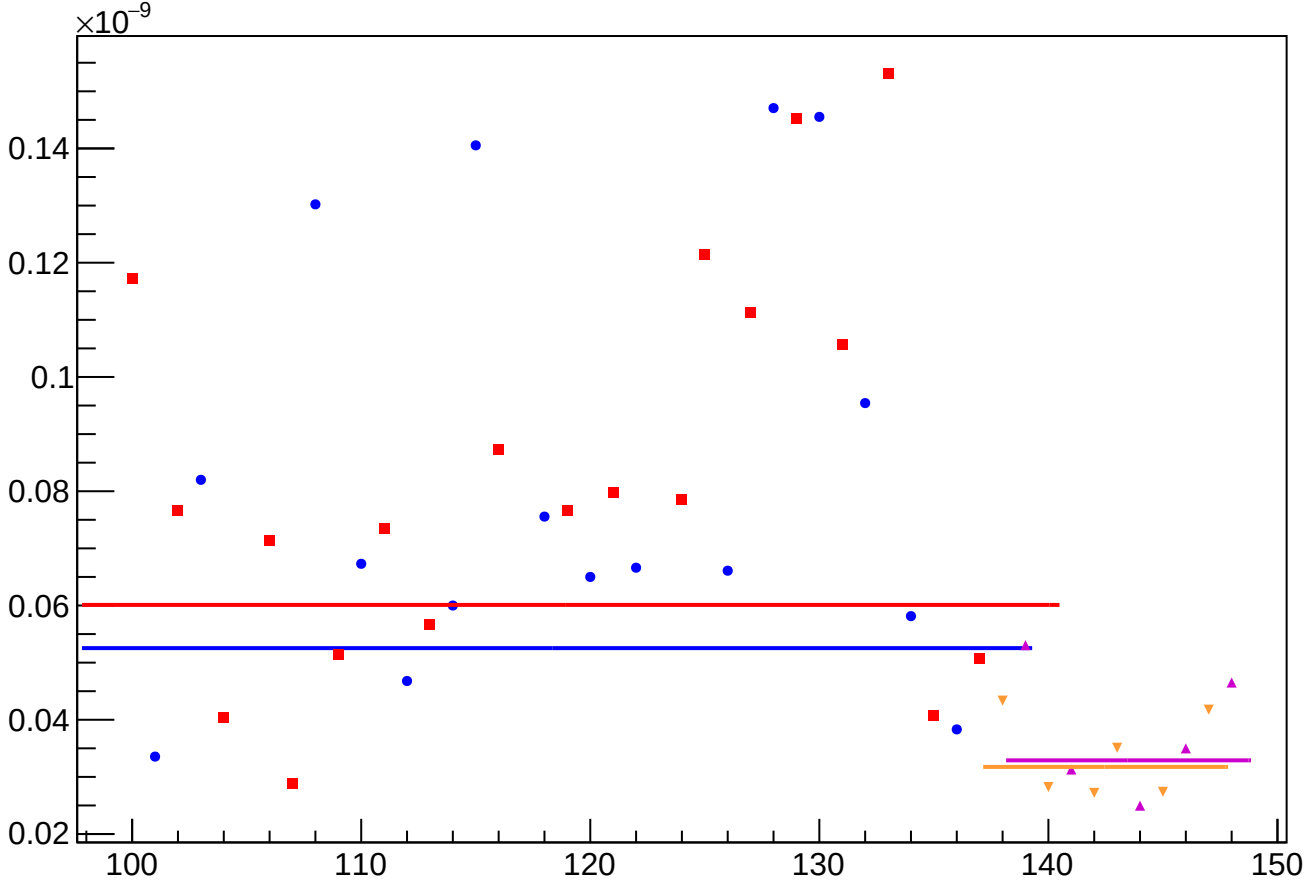
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/21

All: 0.000+/-0.000 χ^2/NDF: 48.8/45

- sign -0.000+/-0.000 χ^2/NDF: 26.4/23



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

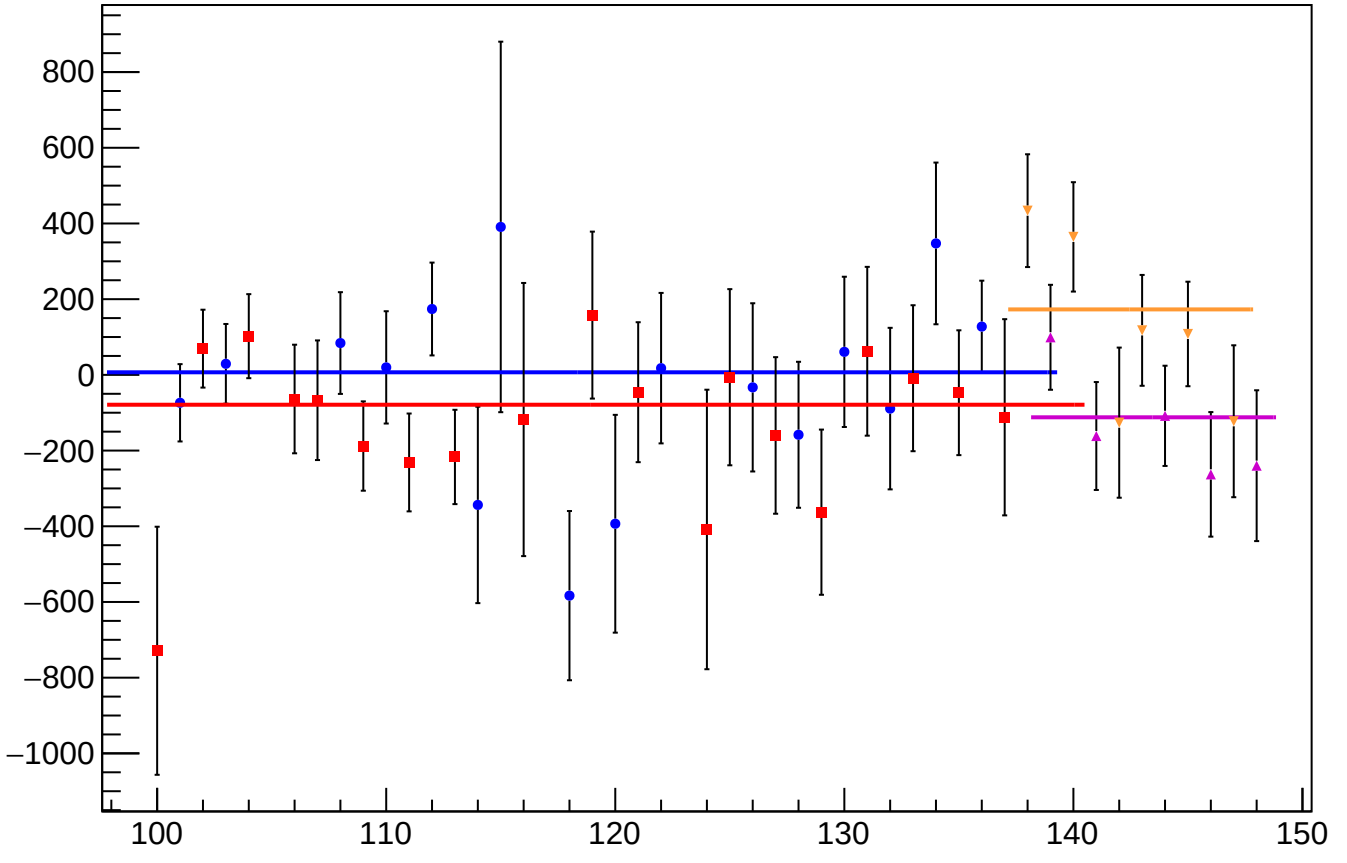
Left In: 0.000+/-0.000 χ^2/NDF:393999.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2722074.4/21

All: 0.000+/-0.000 χ^2/NDF: 5919534.3/45

- sign 0.000+/-0.000 χ^2/NDF: 3162606.5/23

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

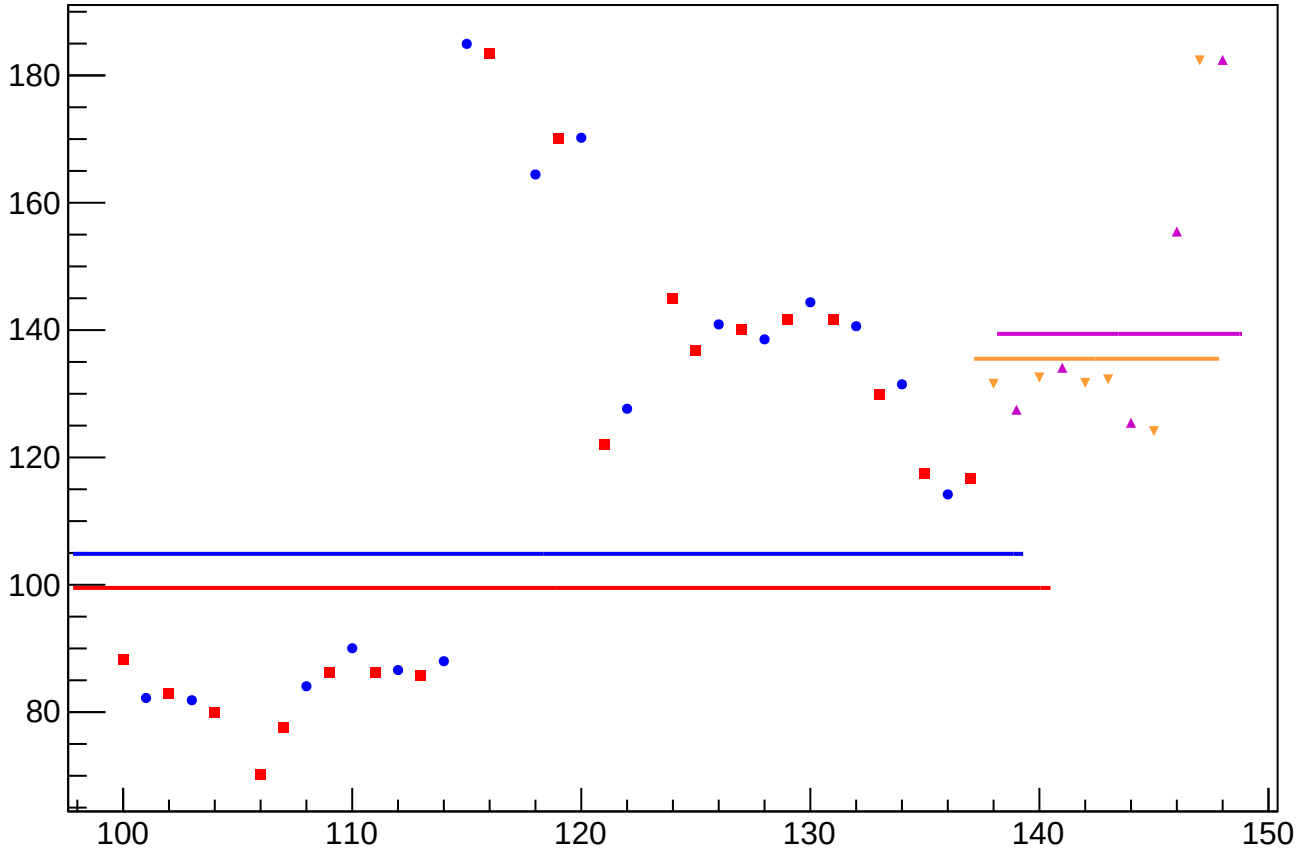
Left In: -112.106+/-67.359 χ^2/NDF:3.7/4

+ sign 53.816+/-34.172 χ^2/NDF: 33.2/21

All: -18.909+/-23.751 χ^2/NDF: 62.5/45

- sign -86.874+/-33.034 χ^2/NDF: 20.6/23

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

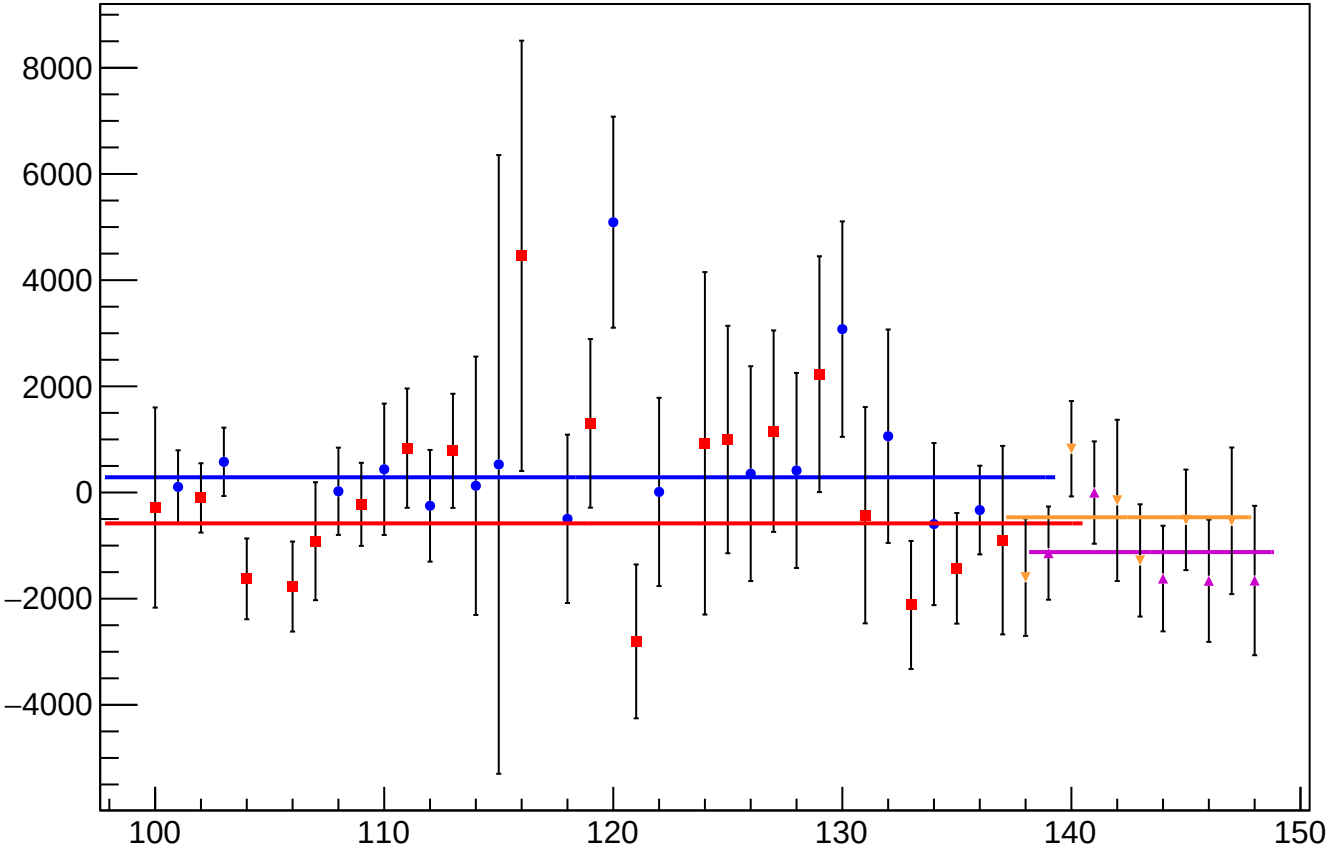
Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 113.528+/-0.024 χ^2/NDF: 1383991.1/21

All: 111.242+/-0.017 χ^2/NDF: 3125569.9/45

- sign 109.105+/-0.023 χ^2/NDF: 1724257.1/23

asym_sam5_reg_correction_mean vs Slug



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

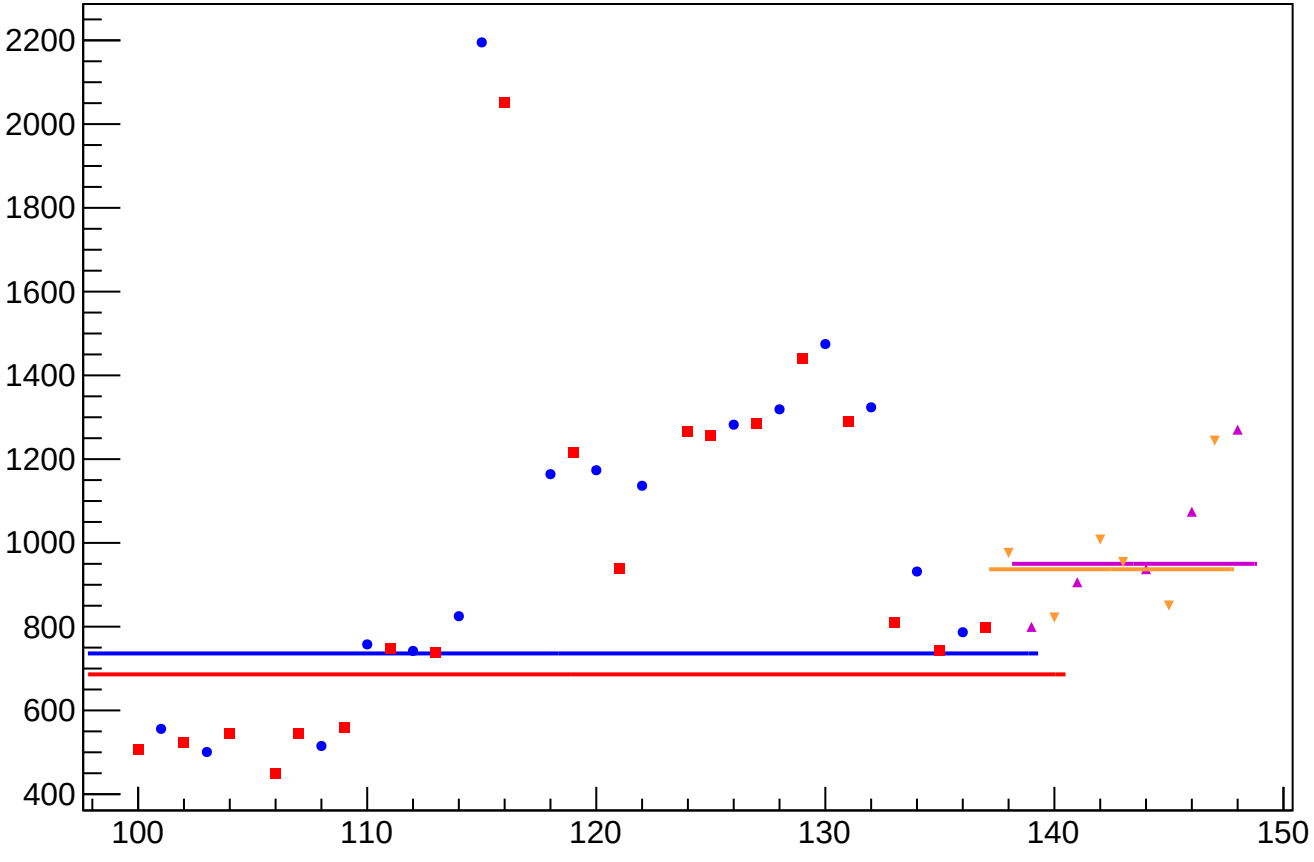
Left In: -1122.283+/-464.018 χ^2/NDF:2.0/4

+ sign 59.385+/-245.181 χ^2/NDF: 15.4/21

All: -348.676+/-168.983 χ^2/NDF: 42.5/45

- sign -717.903+/-233.223 χ^2/NDF: 21.7/23

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

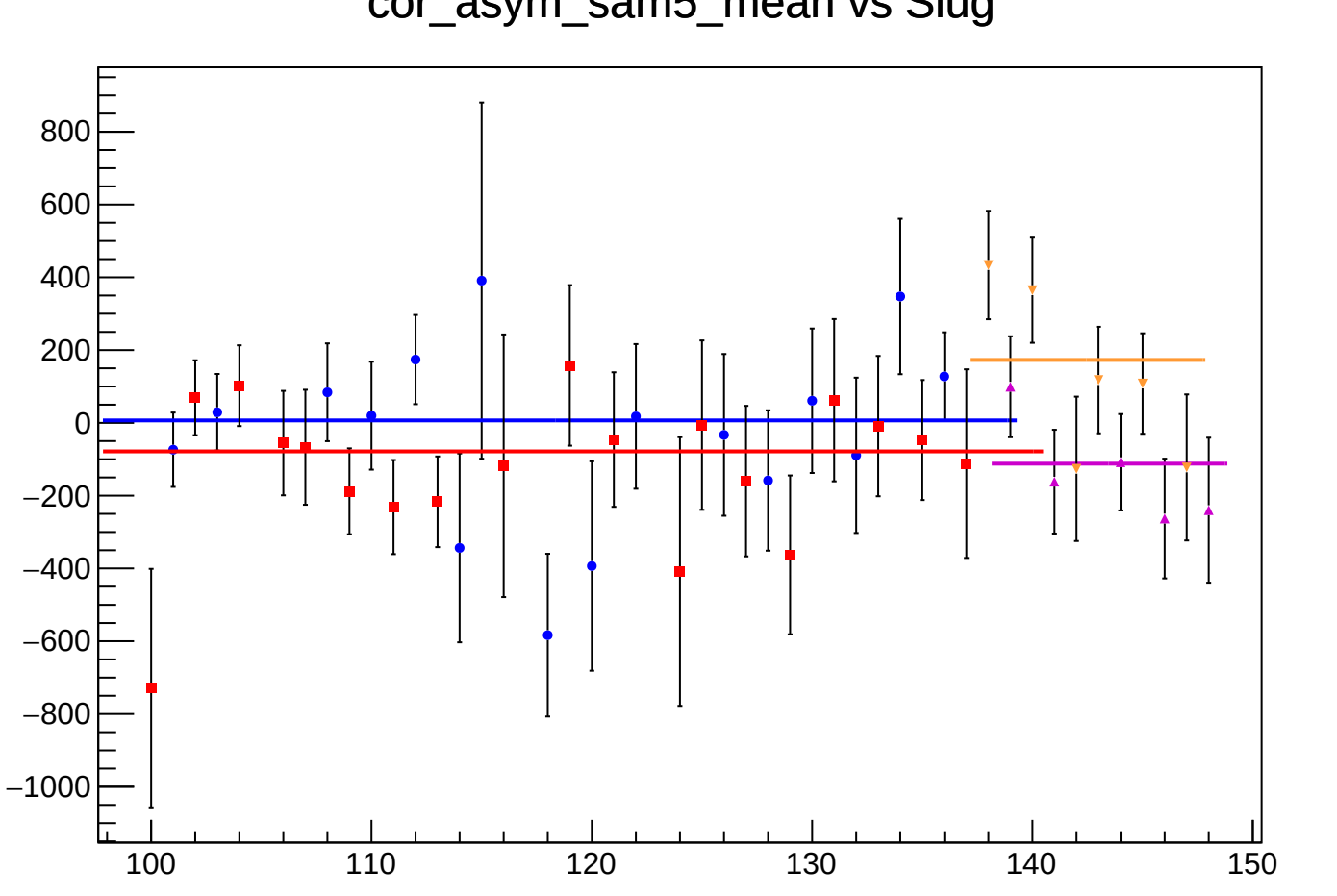
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 950.106+/-0.328 χ^2/NDF:190396.6/4

+ sign 796.768+/-0.173 χ^2/NDF: 2283647.1/21

All: 773.686+/-0.119 χ^2/NDF: 4810824.9/45

- sign 752.800+/-0.165 χ^2/NDF: 2493412.3/23



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

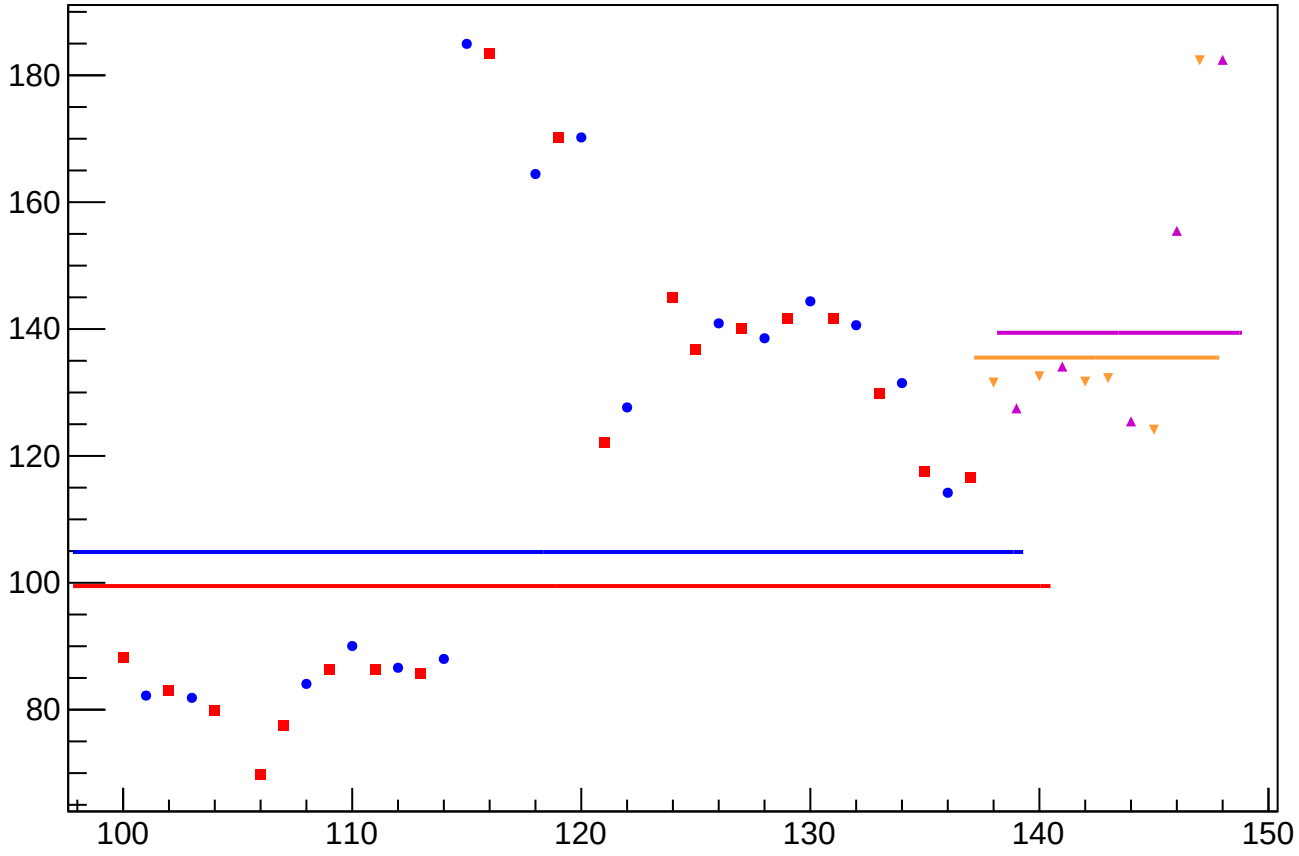
Left In: -112.111+/-67.359 χ^2/NDF:3.7/4

+ sign 53.811+/-34.172 χ^2/NDF: 33.2/21

All: -18.699+/-23.751 χ^2/NDF: 62.5/45

- sign -86.469+/-33.036 χ^2/NDF: 20.6/23

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

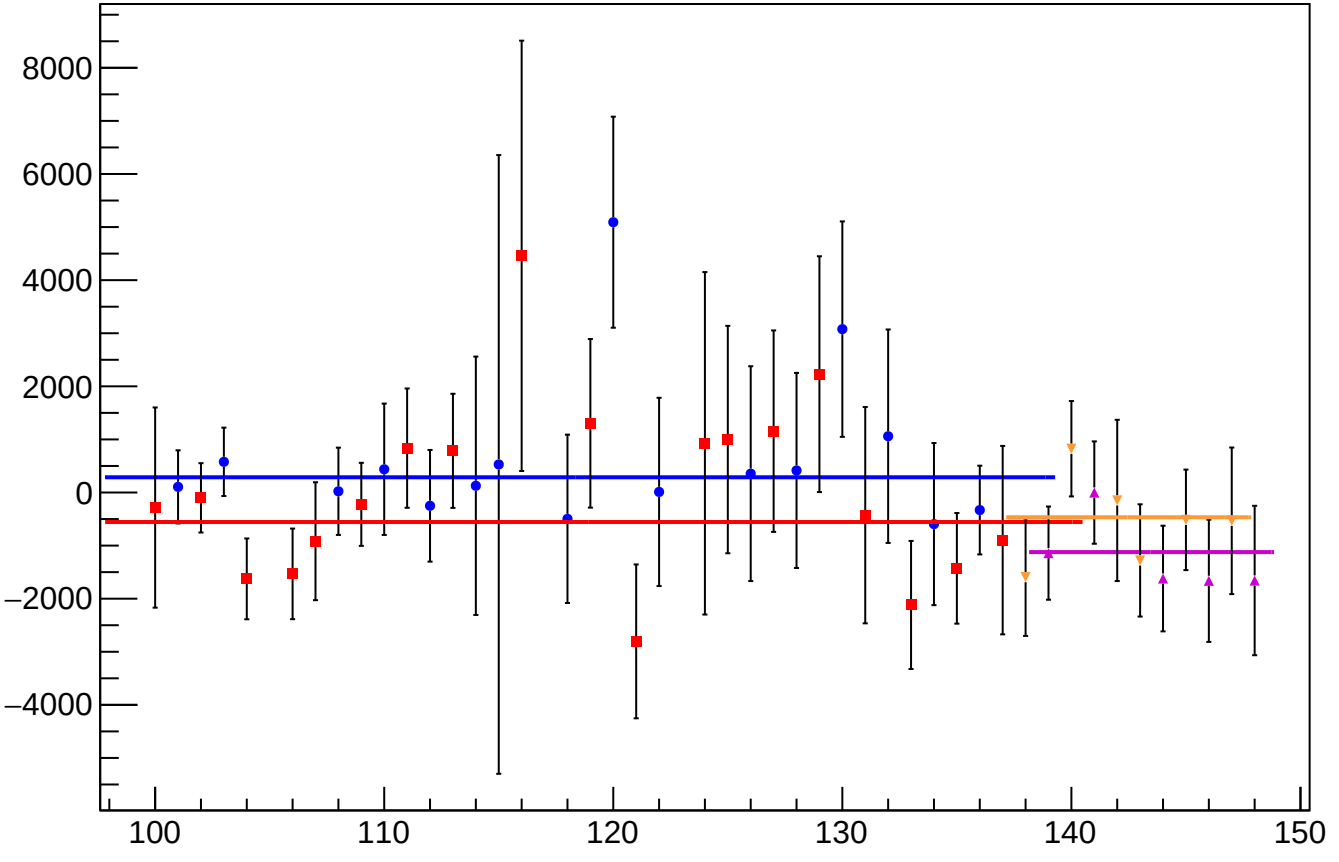
Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 113.528+/-0.024 χ^2/NDF: 1383990.1/21

All: 111.233+/-0.017 χ^2/NDF: 3128509.4/45

- sign 109.088+/-0.023 χ^2/NDF: 1727064.2/23

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

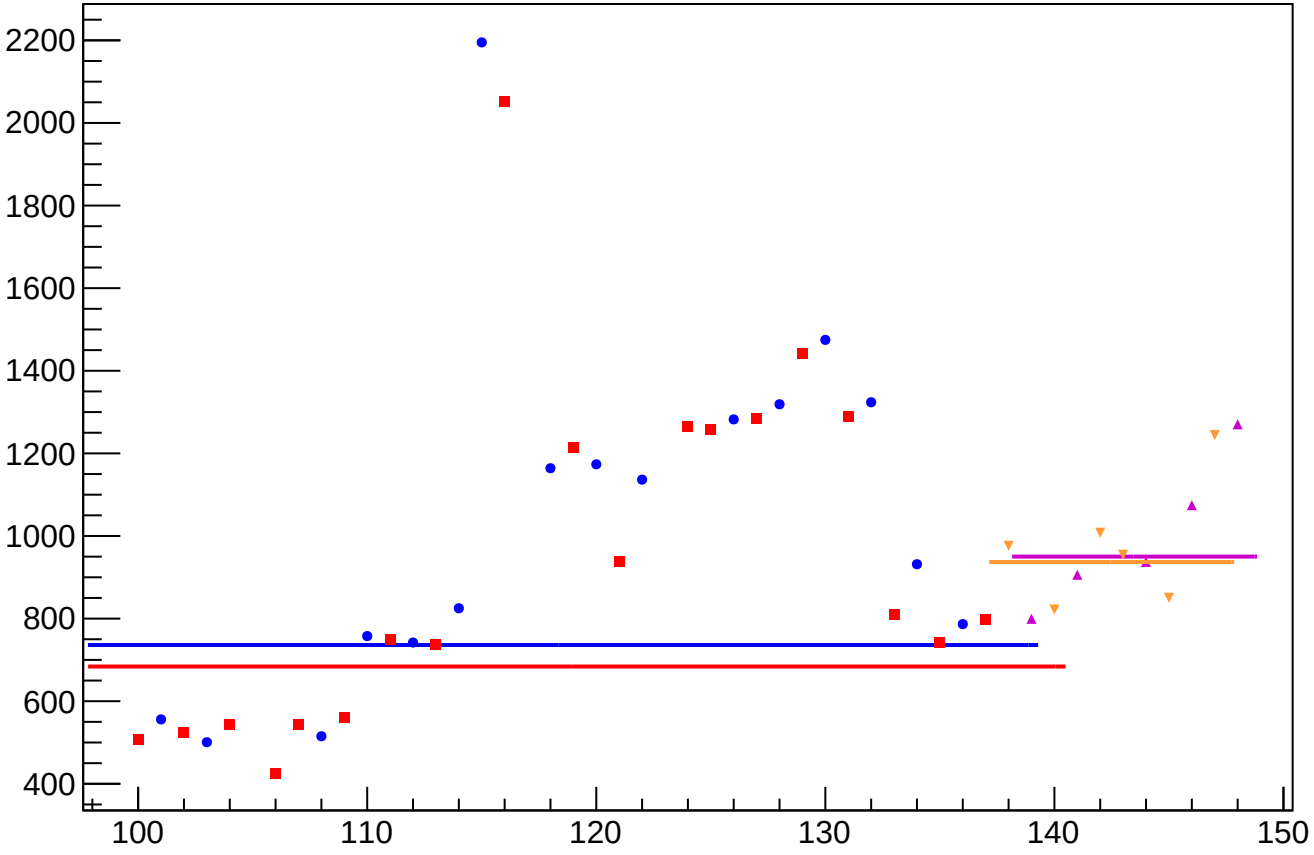
Left In: -1122.281+/-464.018 χ^2/NDF:2.0/4

+ sign 59.390+/-245.181 χ^2/NDF: 15.4/21

All: -338.445+/-169.027 χ^2/NDF: 41.6/45

- sign -698.775+/-233.338 χ^2/NDF: 21.1/23

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

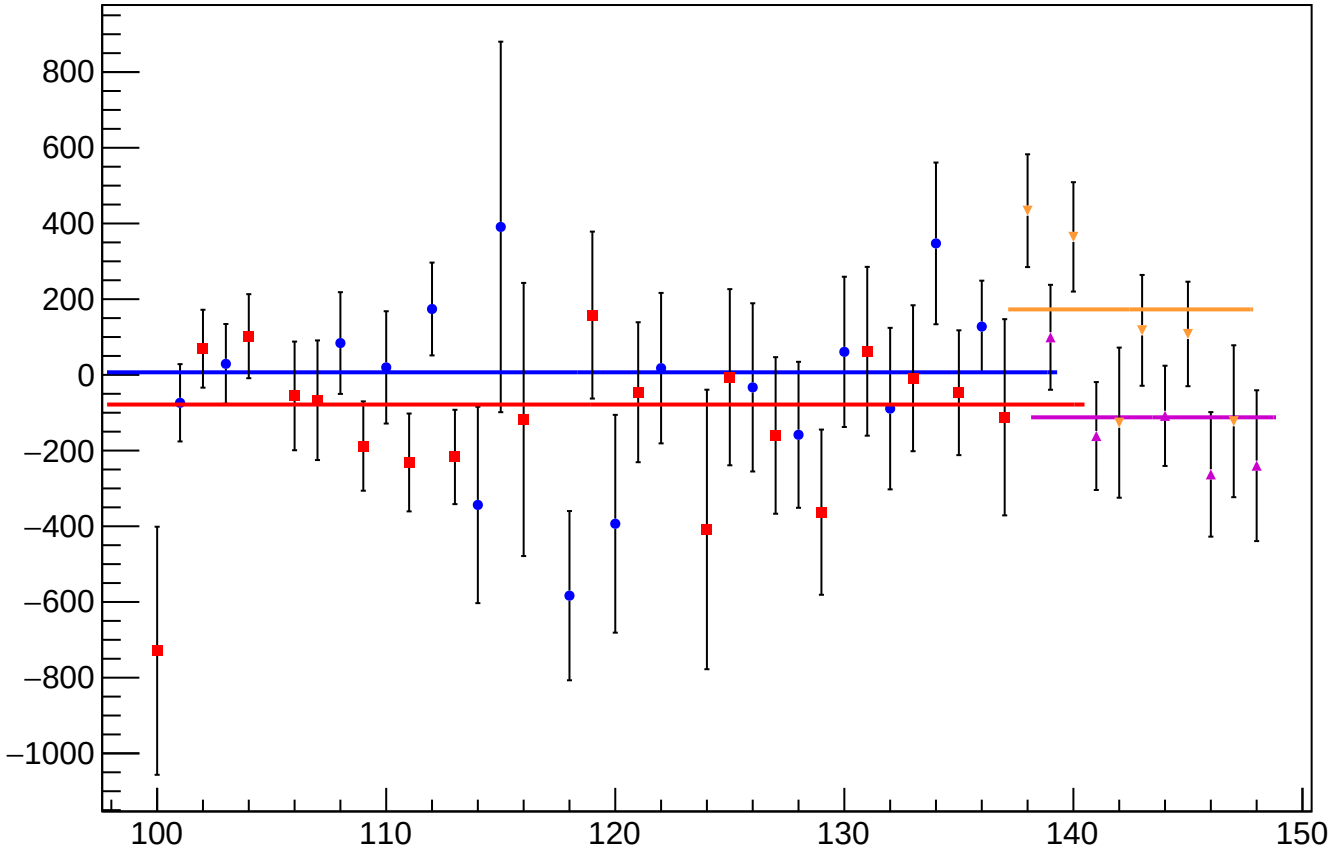
Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

+ sign 796.768+/-0.173 χ^2/NDF: 2283650.5/21

All: 772.897+/-0.120 χ^2/NDF: 4852083.8/45

- sign 751.277+/-0.165 χ^2/NDF: 2532304.8/23

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

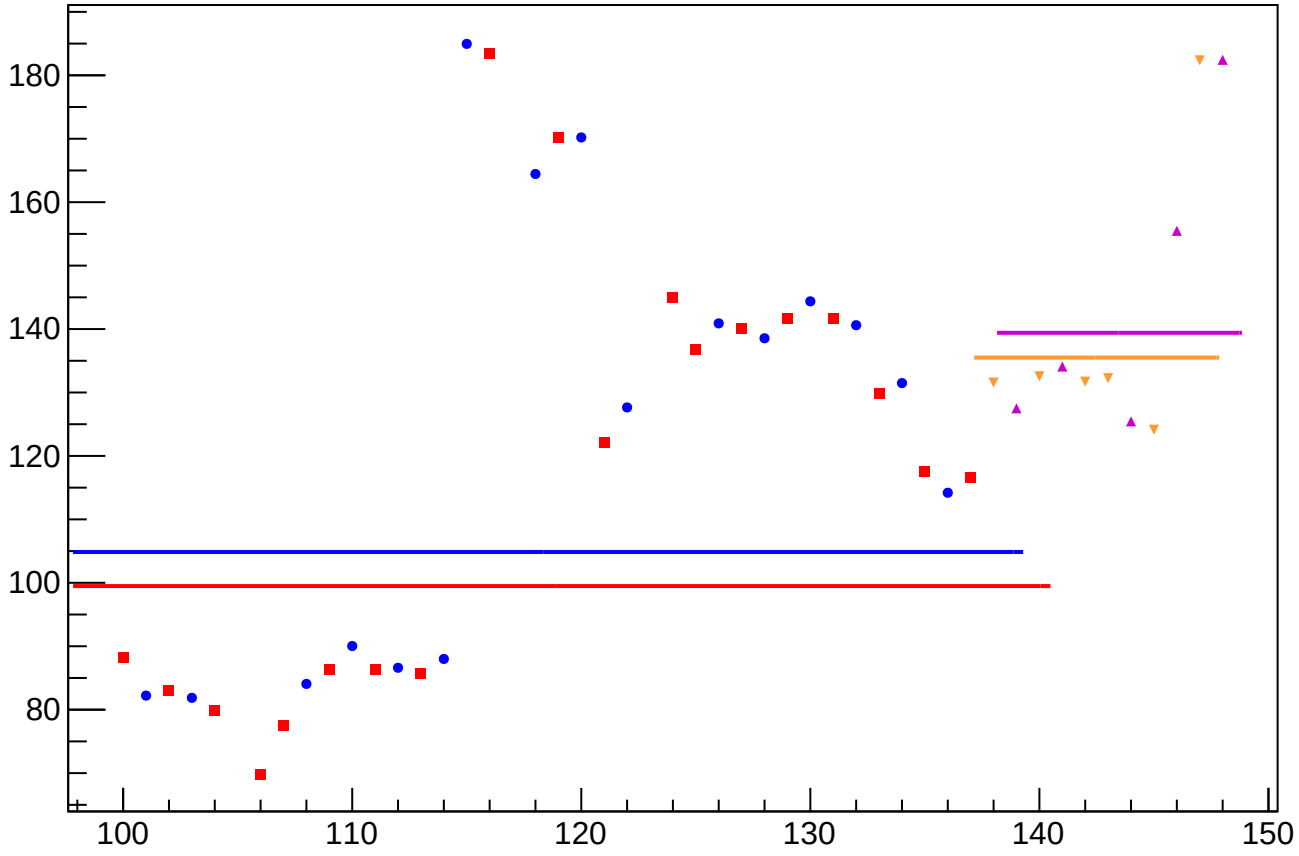
Left In: -112.111+/-67.359 χ^2/NDF:3.7/4

+ sign 53.811+/-34.172 χ^2/NDF: 33.2/21

All: -18.699+/-23.751 χ^2/NDF: 62.5/45

- sign -86.469+/-33.036 χ^2/NDF: 20.6/23

eigen_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

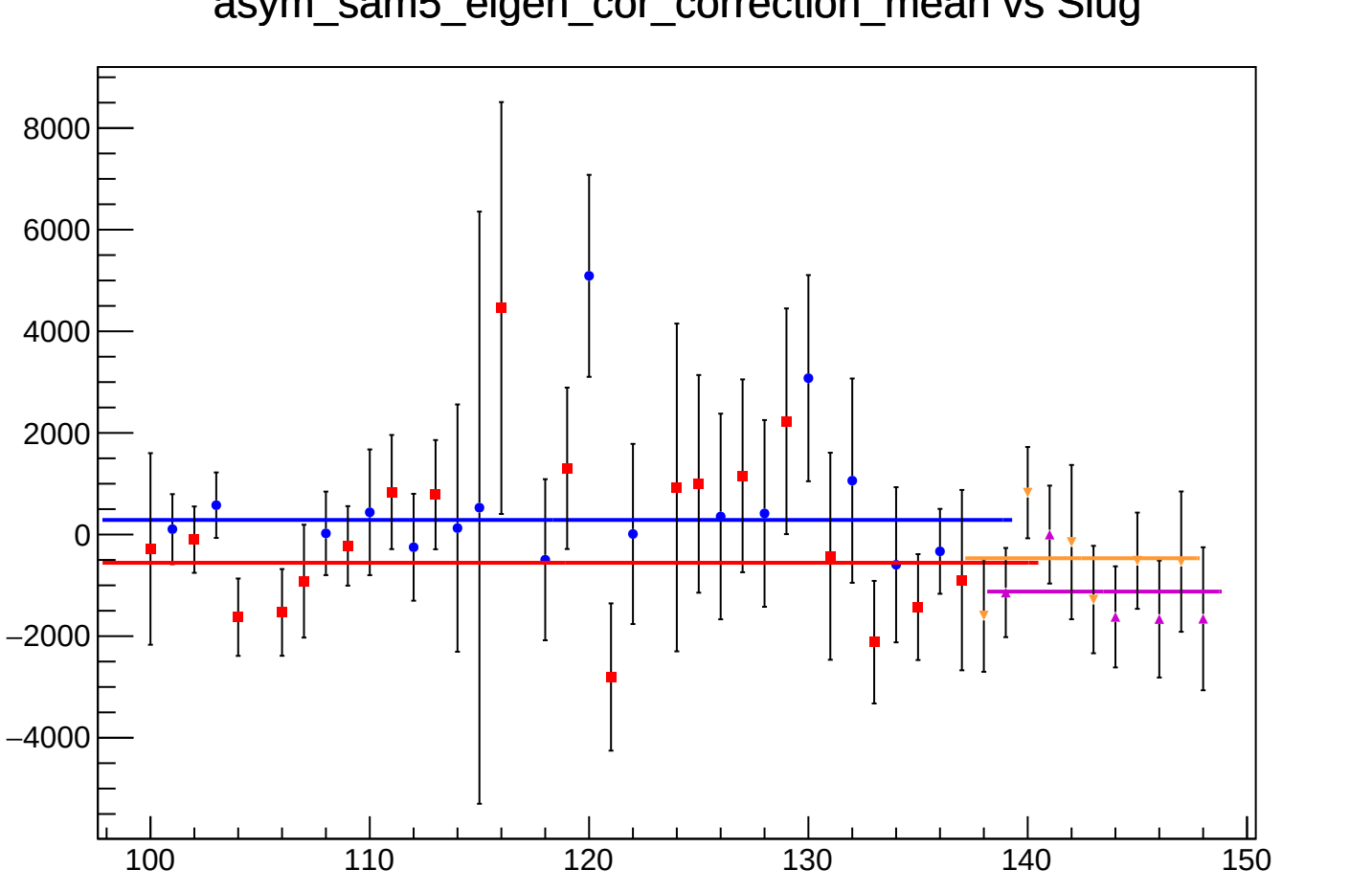
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 113.528+/-0.024 χ^2/NDF: 1383990.1/21

All: 111.233+/-0.017 χ^2/NDF: 3128509.4/45

- sign 109.088+/-0.023 χ^2/NDF: 1727064.2/23



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

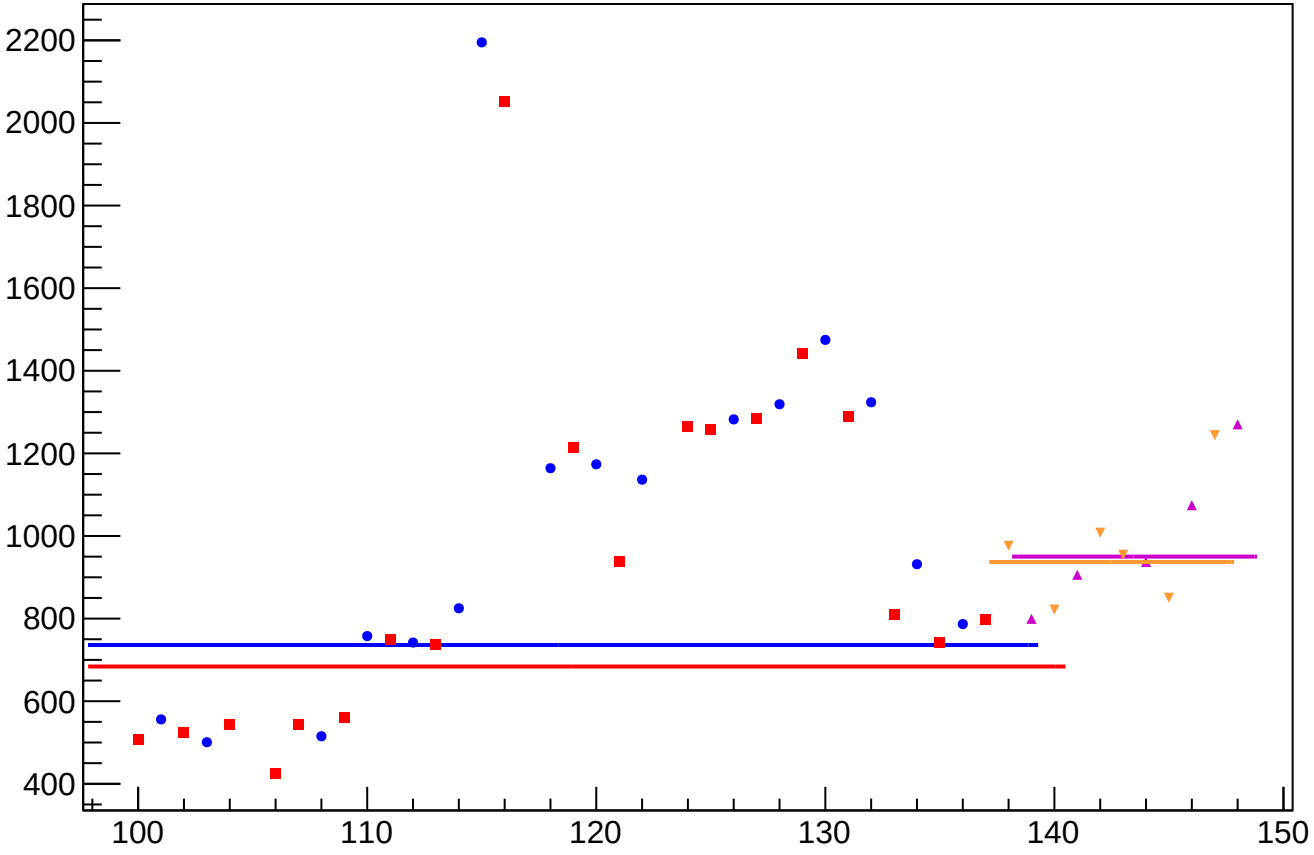
Left In: -1122.281+/-464.018 χ^2/NDF:2.0/4

+ sign 59.390+/-245.181 χ^2/NDF: 15.4/21

All: -338.445+/-169.027 χ^2/NDF: 41.6/45

- sign -698.775+/-233.338 χ^2/NDF: 21.1/23

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

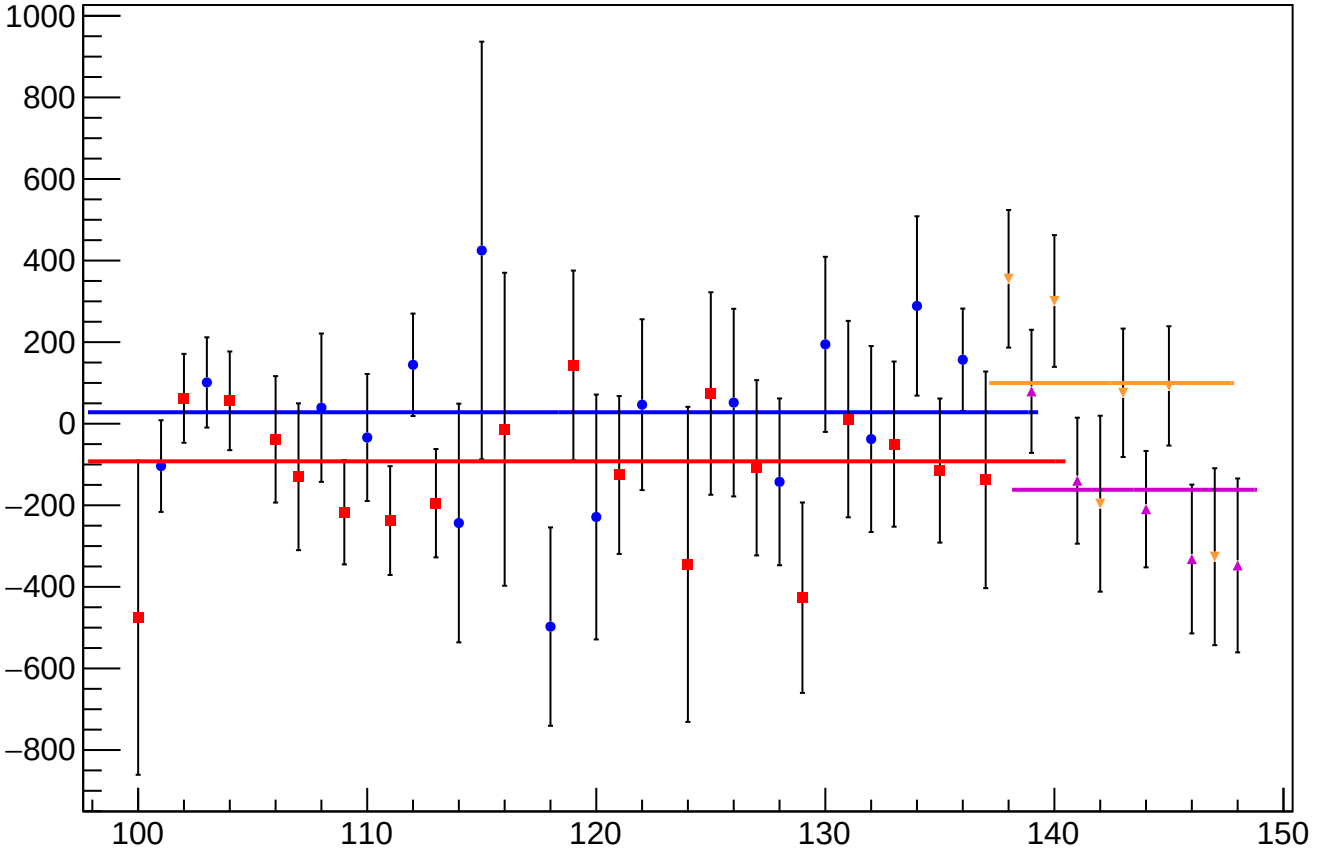
Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

+ sign 796.768+/-0.173 χ^2/NDF: 2283650.5/21

All: 772.897+/-0.120 χ^2/NDF: 4852083.8/45

- sign 751.277+/-0.165 χ^2/NDF: 2532304.8/23

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

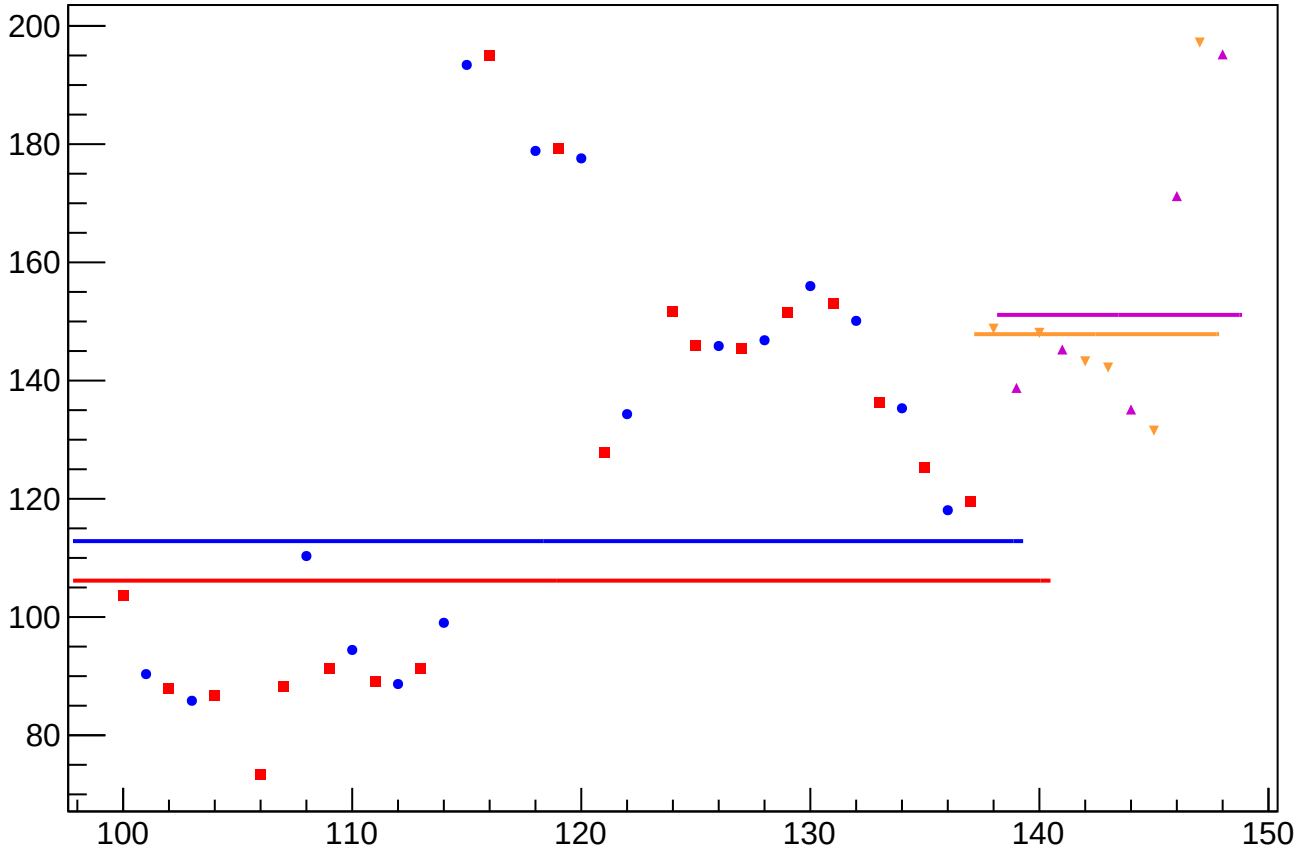
Left In: -161.903+/-73.128 χ^2/NDF:4.3/4

+ sign 47.954+/-36.929 χ^2/NDF: 23.9/21

All: -33.519+/-25.576 χ^2/NDF: 50.0/45

- sign -108.621+/-35.455 χ^2/NDF: 16.7/23

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

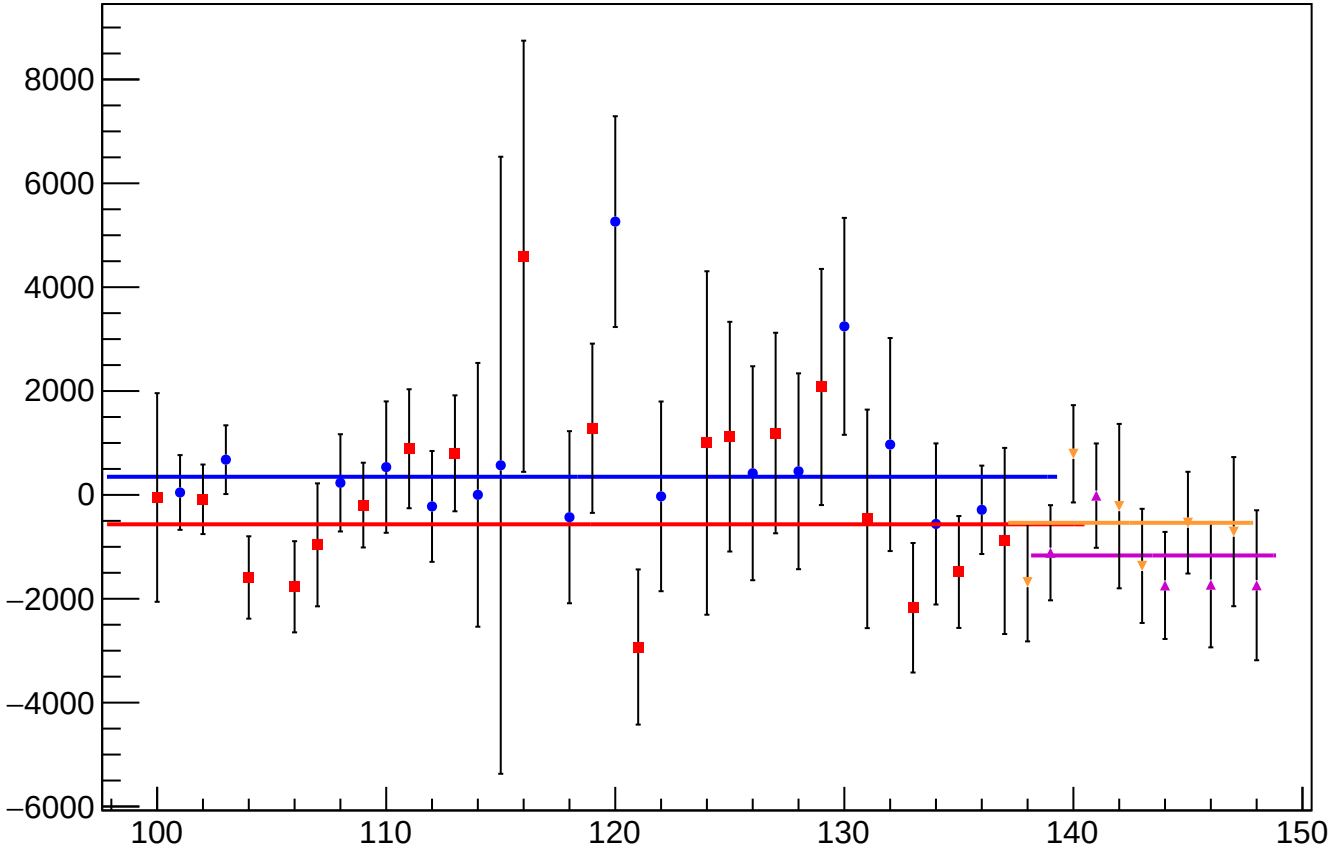
Left In: 151.115+/-0.052 χ^2/NDF:151194.4/4

+ sign 122.550+/-0.026 χ^2/NDF: 1364330.2/21

All: 119.520+/-0.018 χ^2/NDF: 3121753.9/45

- sign 116.727+/-0.025 χ^2/NDF: 1731544.2/23

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

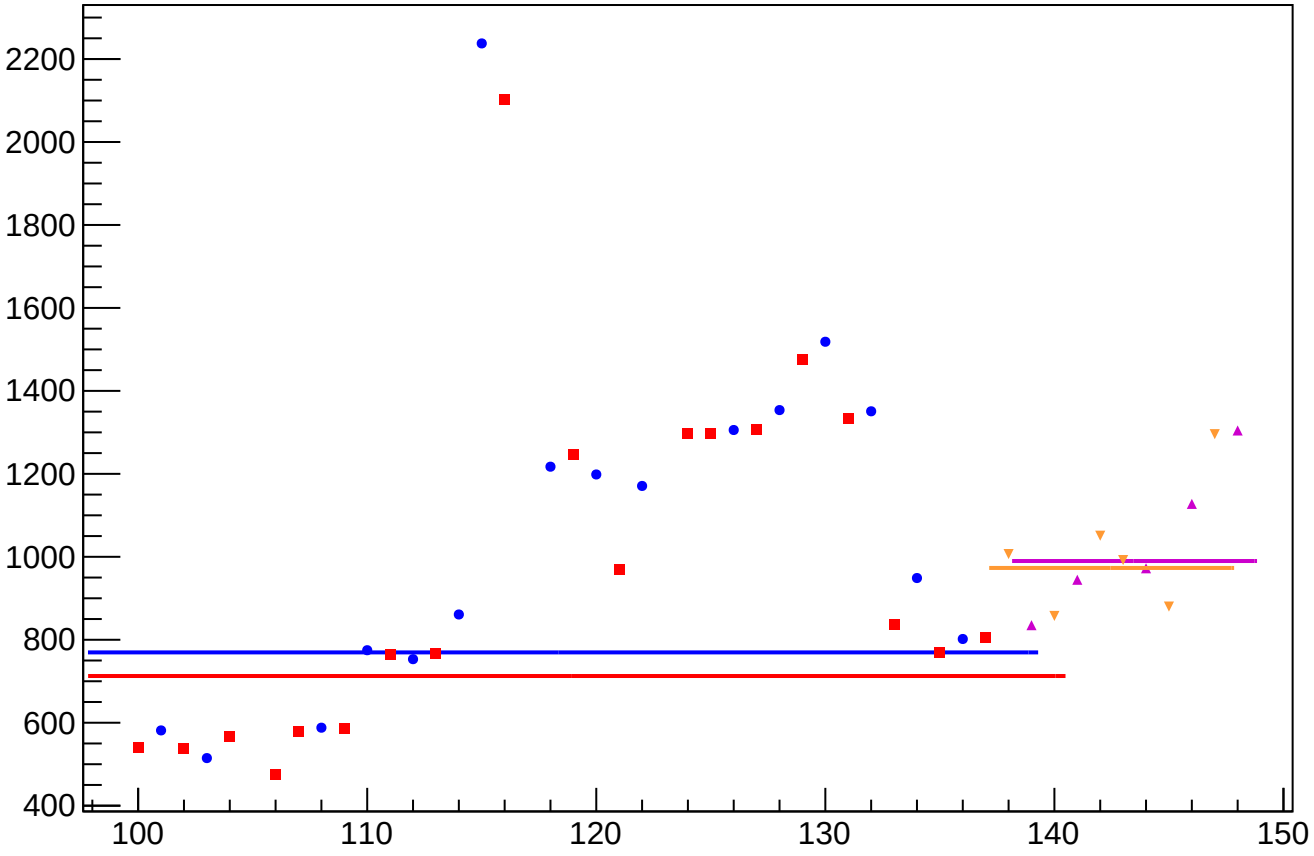
Left In: -1166.105+/-482.922 χ^2/NDF:2.0/4

+ sign 80.484+/-254.919 χ^2/NDF: 16.0/21

All: -339.102+/-175.404 χ^2/NDF: 42.6/45

- sign -716.372+/-241.723 χ^2/NDF: 21.5/23

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

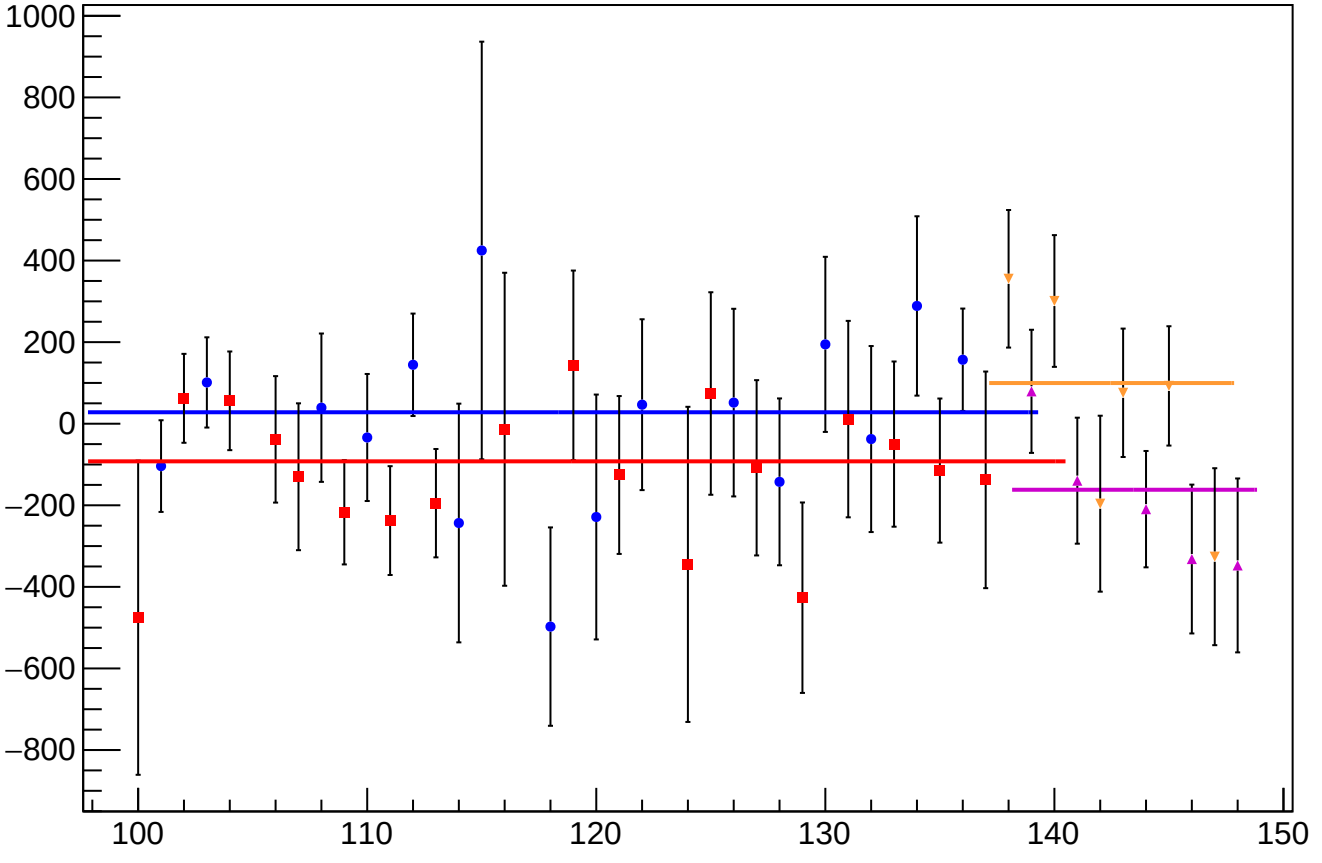
Left In: 989.857+/-0.341 χ^2/NDF:182615.6/4

\+ sign 831.234+/-0.180 χ^2/NDF: 2165920.8/21

All: 805.355+/-0.124 χ^2/NDF: 4648877.7/45

\- sign 782.086+/-0.171 χ^2/NDF: 2443812.1/23

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

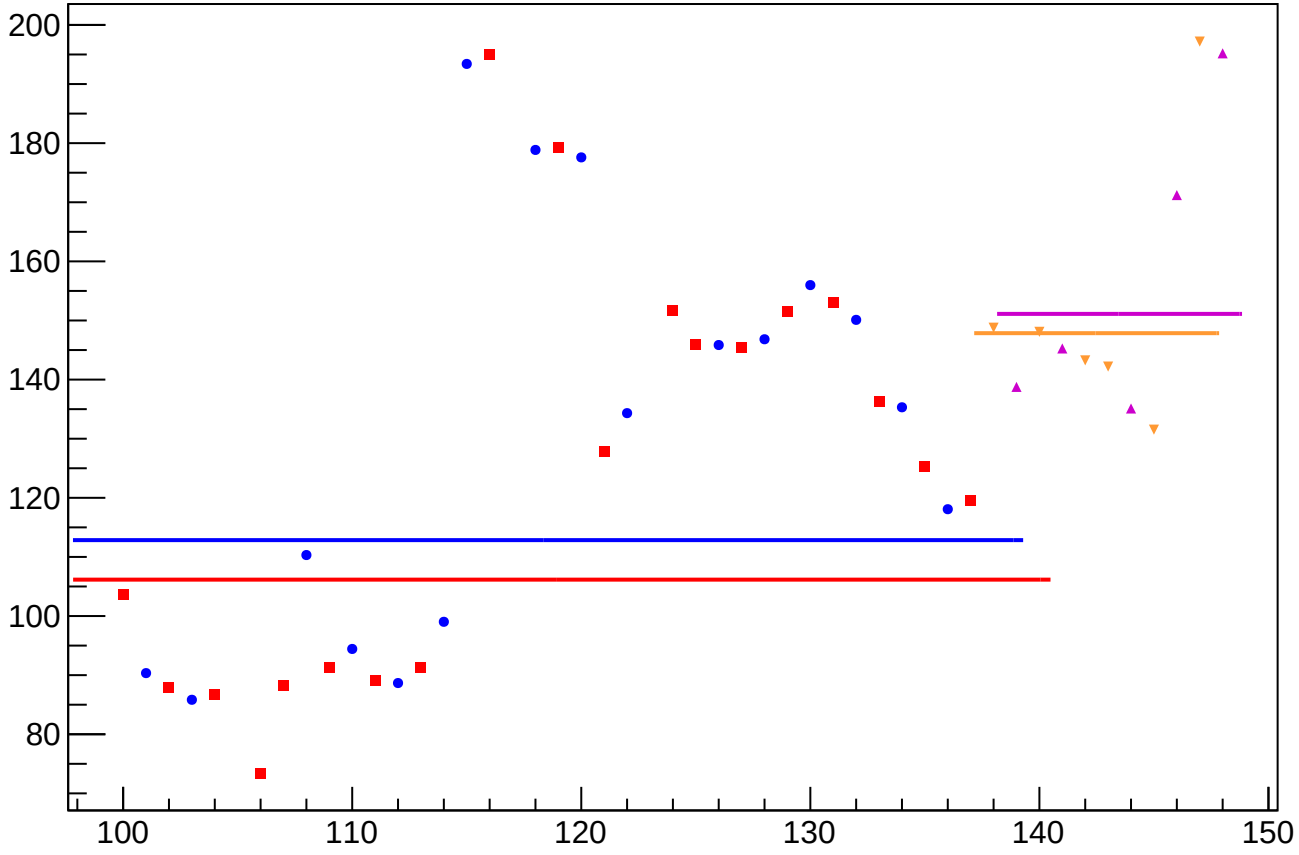
Left In: -161.905+/-73.128 χ^2/NDF:4.3/4

+ sign 47.953+/-36.929 χ^2/NDF: 23.9/21

All: -33.520+/-25.576 χ^2/NDF: 50.0/45

- sign -108.622+/-35.455 χ^2/NDF: 16.7/23

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

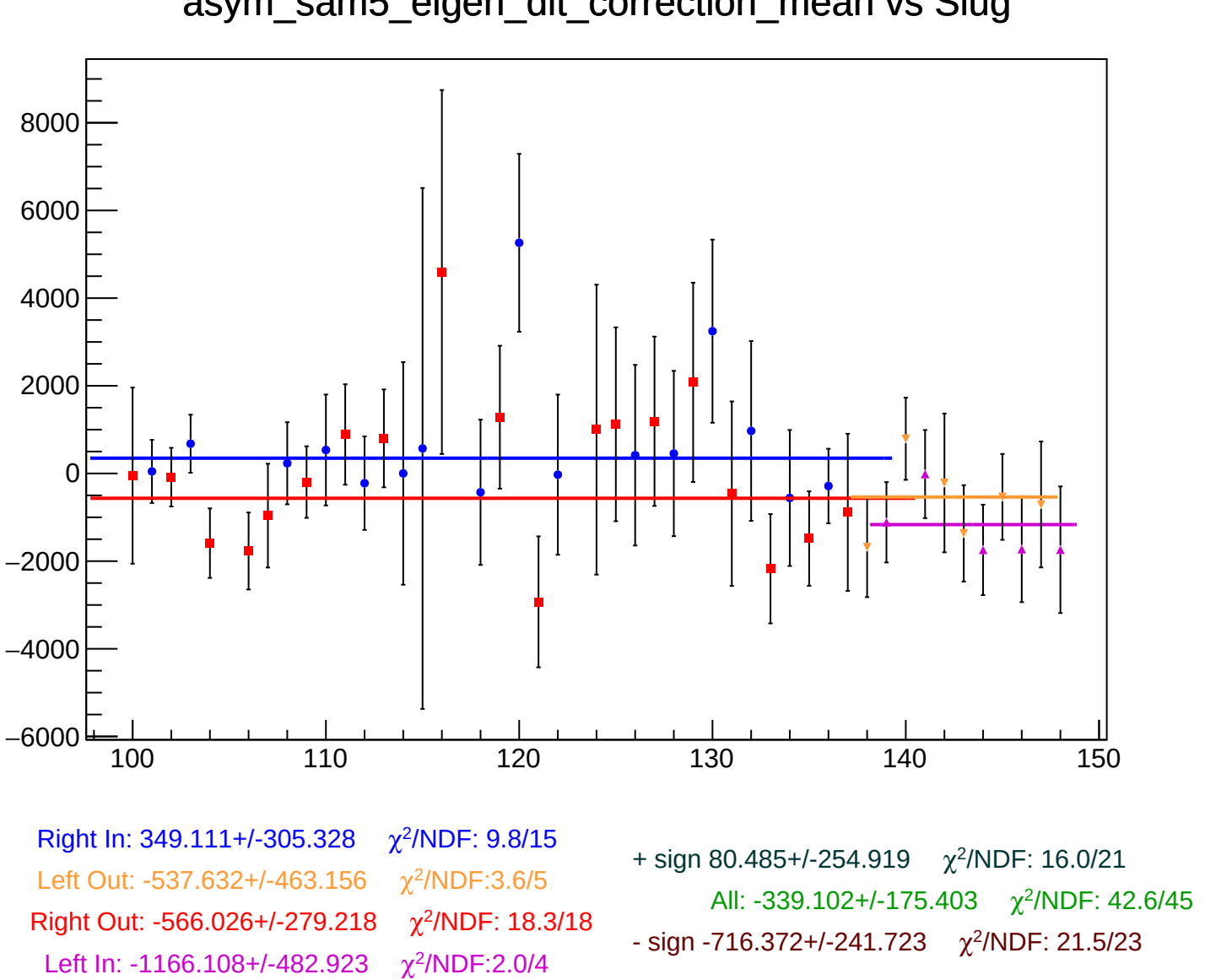
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 151.116+/-0.052 χ^2/NDF:151195.0/4

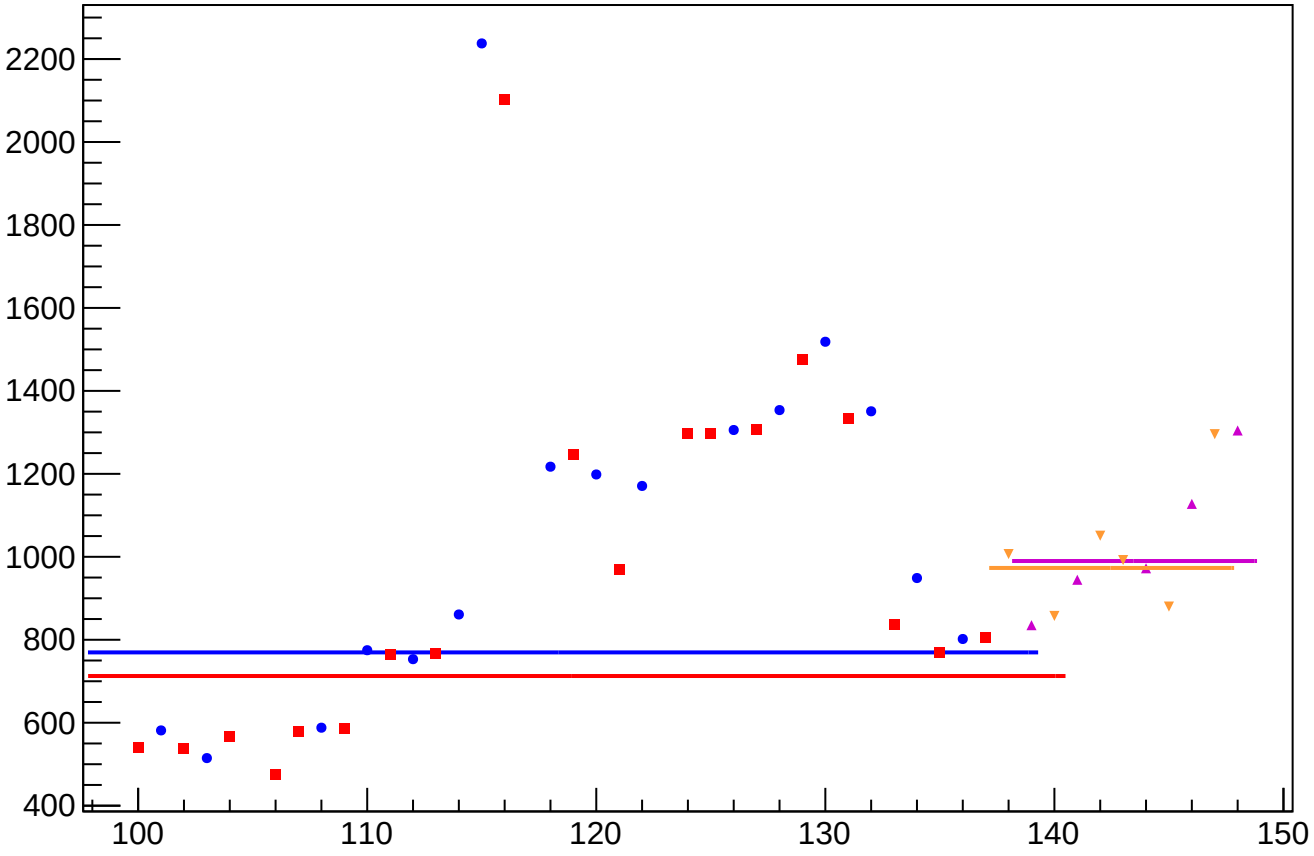
+ sign 122.550+/-0.026 χ^2/NDF: 1364339.1/21

All: 119.520+/-0.018 χ^2/NDF: 3121769.0/45

- sign 116.727+/-0.025 χ^2/NDF: 1731551.0/23


asym_sam5_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 349.111+/-305.328 χ²/NDF: 9.8/15
Left Out: -537.632+/-463.156 χ²/NDF:3.6/5
Right Out: -566.026+/-279.218 χ²/NDF: 18.3/18
Left In: -1166.108+/-482.923 χ²/NDF:2.0/4
+ sign 80.485+/-254.919 χ²/NDF: 16.0/21
All: -339.102+/-175.403 χ²/NDF: 42.6/45
- sign -716.372+/-241.723 χ²/NDF: 21.5/23

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

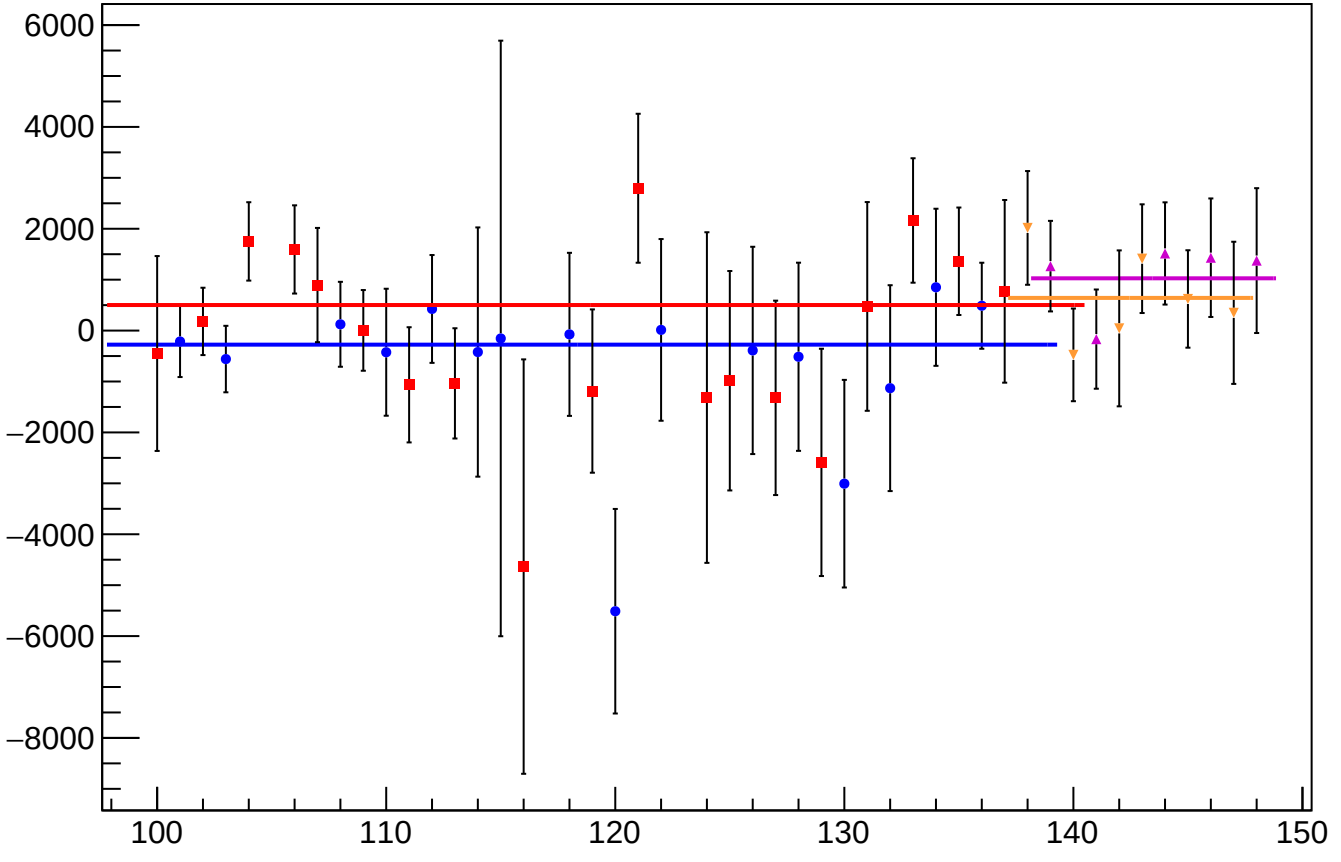
Left In: 989.860+/-0.341 χ^2/NDF:182615.7/4

+ sign 831.233+/-0.180 χ^2/NDF: 2165924.7/21

All: 805.354+/-0.124 χ^2/NDF: 4648885.3/45

- sign 782.086+/-0.171 χ^2/NDF: 2443815.6/23

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

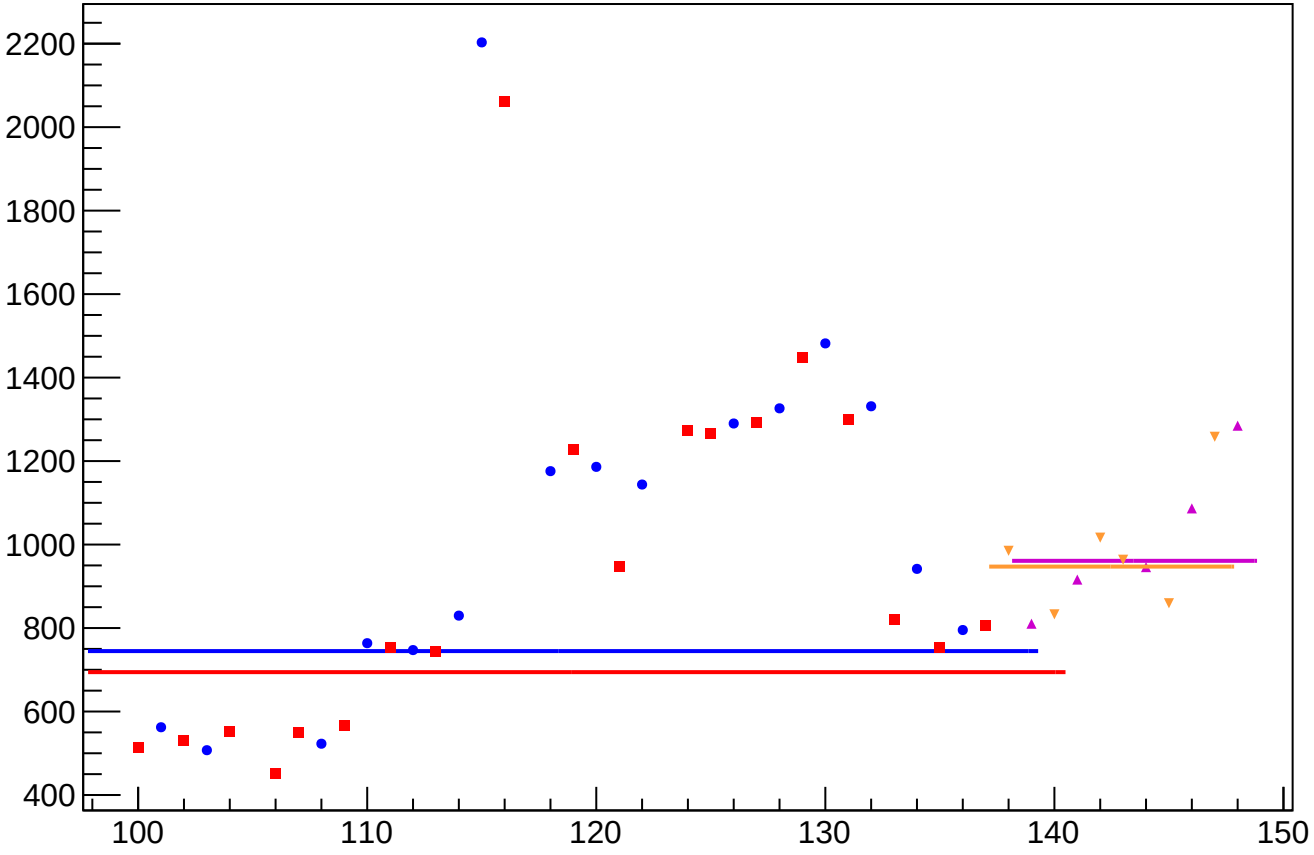
Left In: 1026.609+/-469.180 χ^2/NDF:2.0/4

+ sign 1.180+/-247.860 χ^2/NDF: 17.7/21

All: 333.504+/-170.900 χ^2/NDF: 44.5/45

- sign 634.673+/-235.956 χ^2/NDF: 23.4/23

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

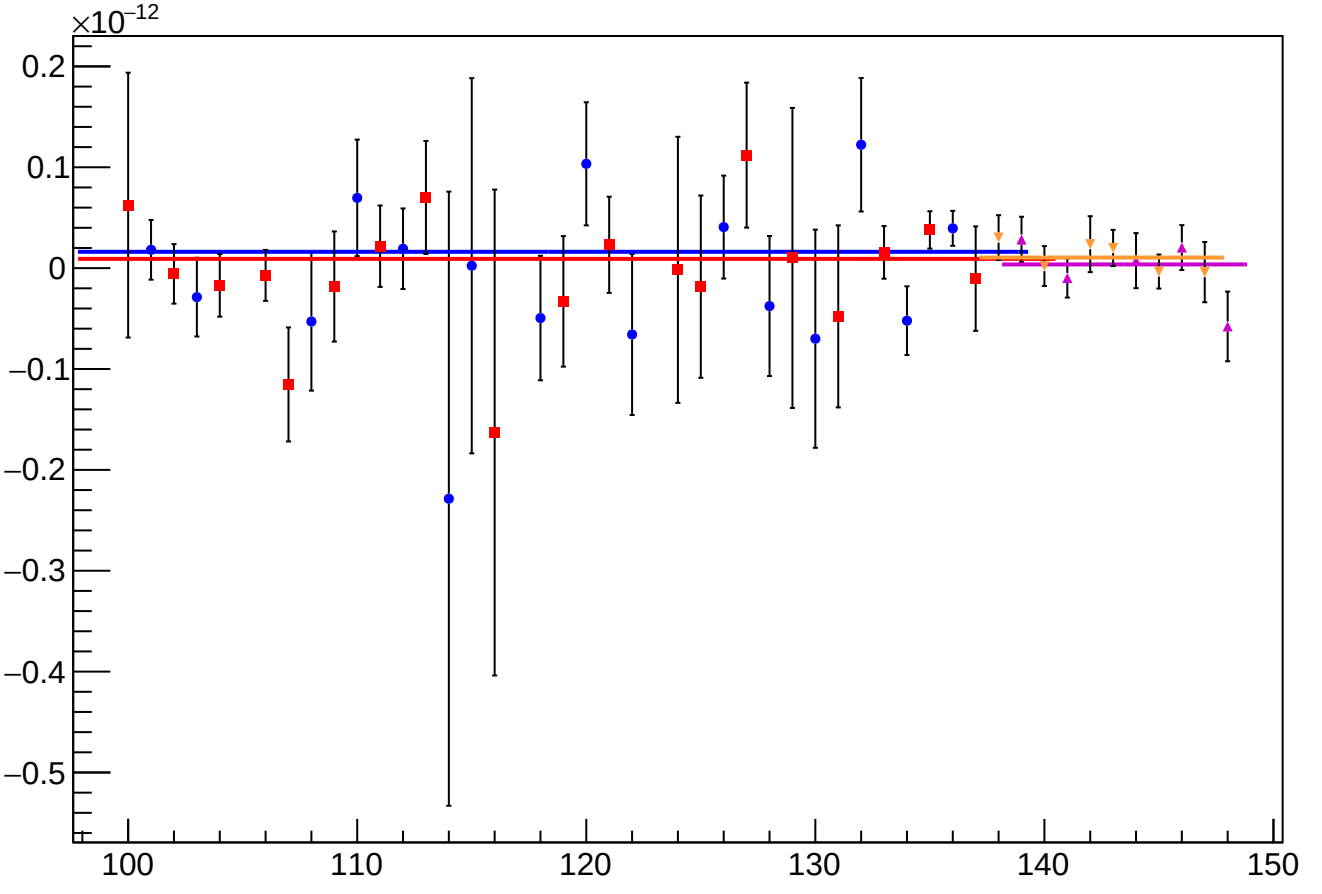
Left In: 961.033+/-0.332 χ^2/NDF:189025.2/4

+ sign 805.948+/-0.175 χ^2/NDF: 2258441.7/21

All: 782.787+/-0.121 χ^2/NDF: 4767237.3/45

- sign 761.798+/-0.167 χ^2/NDF: 2475507.0/23

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

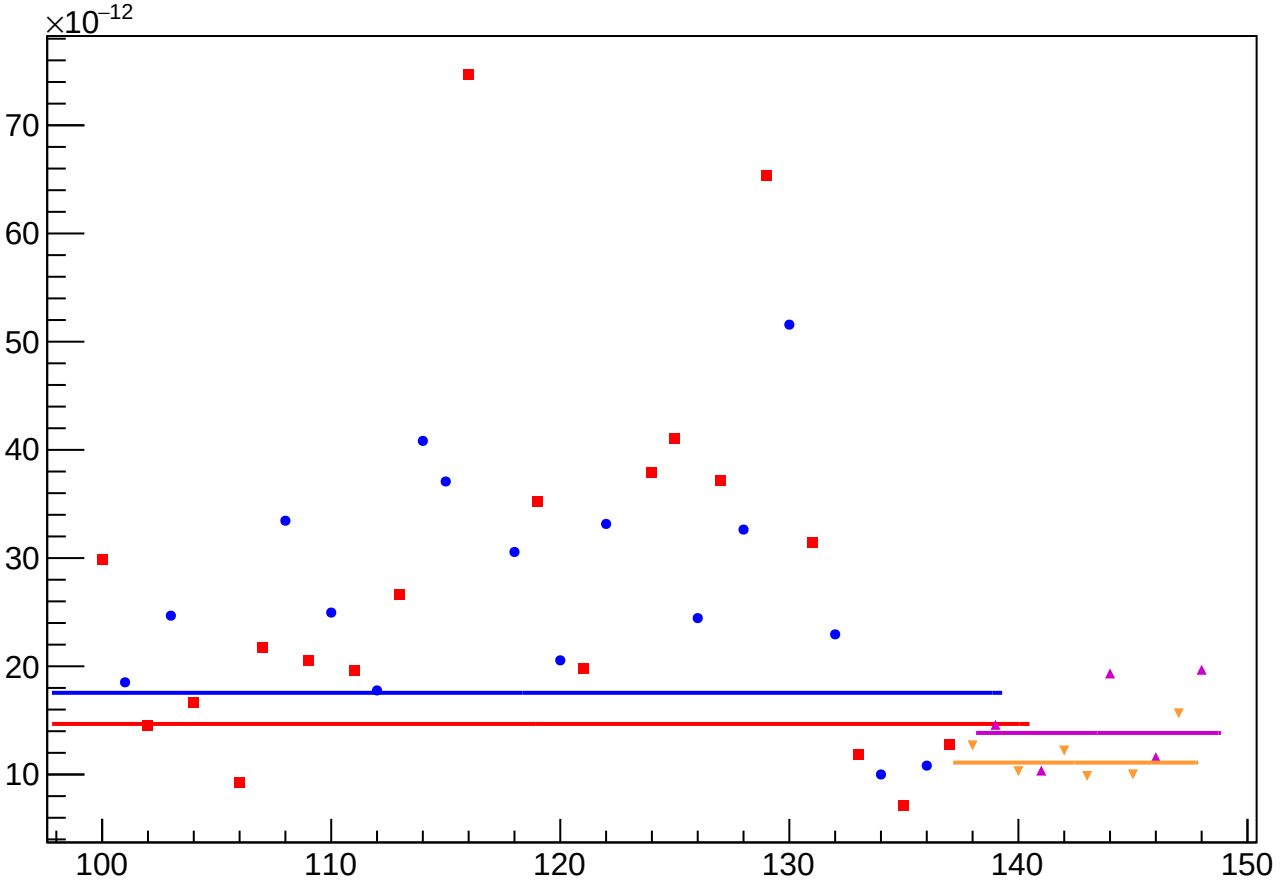
Left In: 0.000+/-0.000 χ^2/NDF:5.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/21

All: 0.000+/-0.000 χ^2/NDF: 40.6/45

- sign 0.000+/-0.000 χ^2/NDF: 19.7/23

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:81095.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

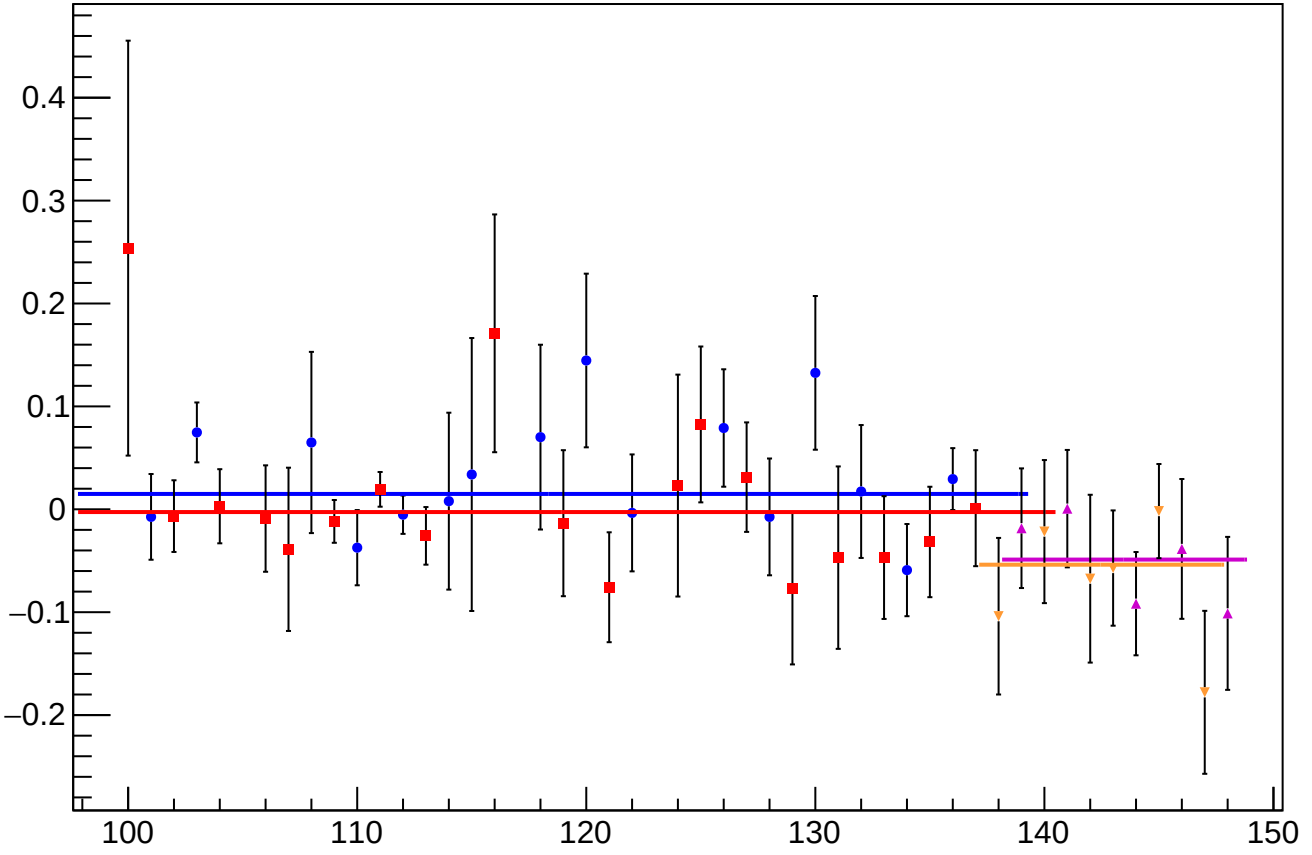
Left In: 0.000+/-0.000 χ^2/NDF:225501.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 1681367.5/21

All: 0.000+/-0.000 χ^2/NDF: 3665334.0/45

- sign 0.000+/-0.000 χ^2/NDF: 1973993.6/23

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

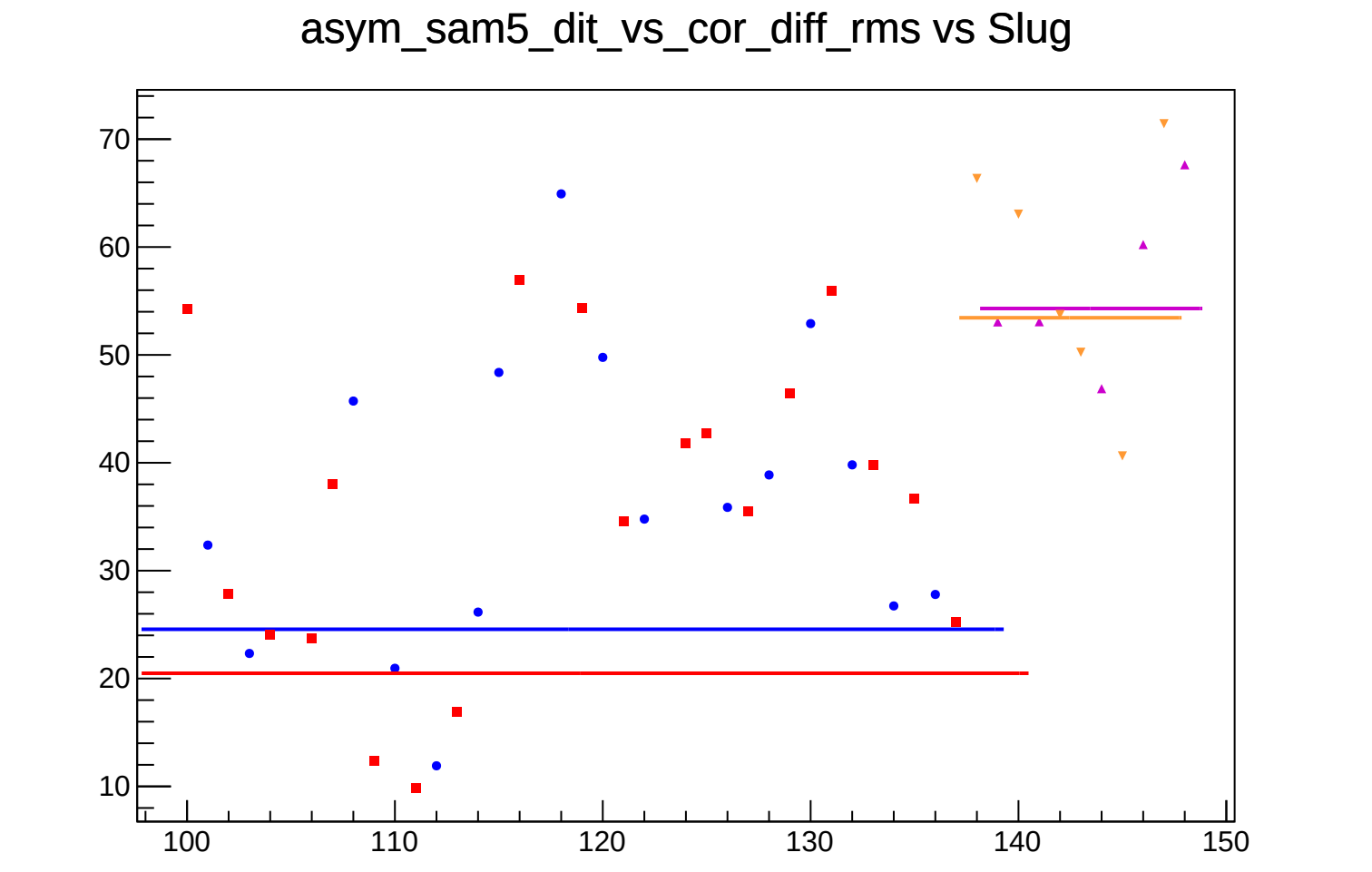
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.002+/-0.007 χ^2/NDF: 46.6/45

- sign -0.008+/-0.009 χ^2/NDF: 17.4/23



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

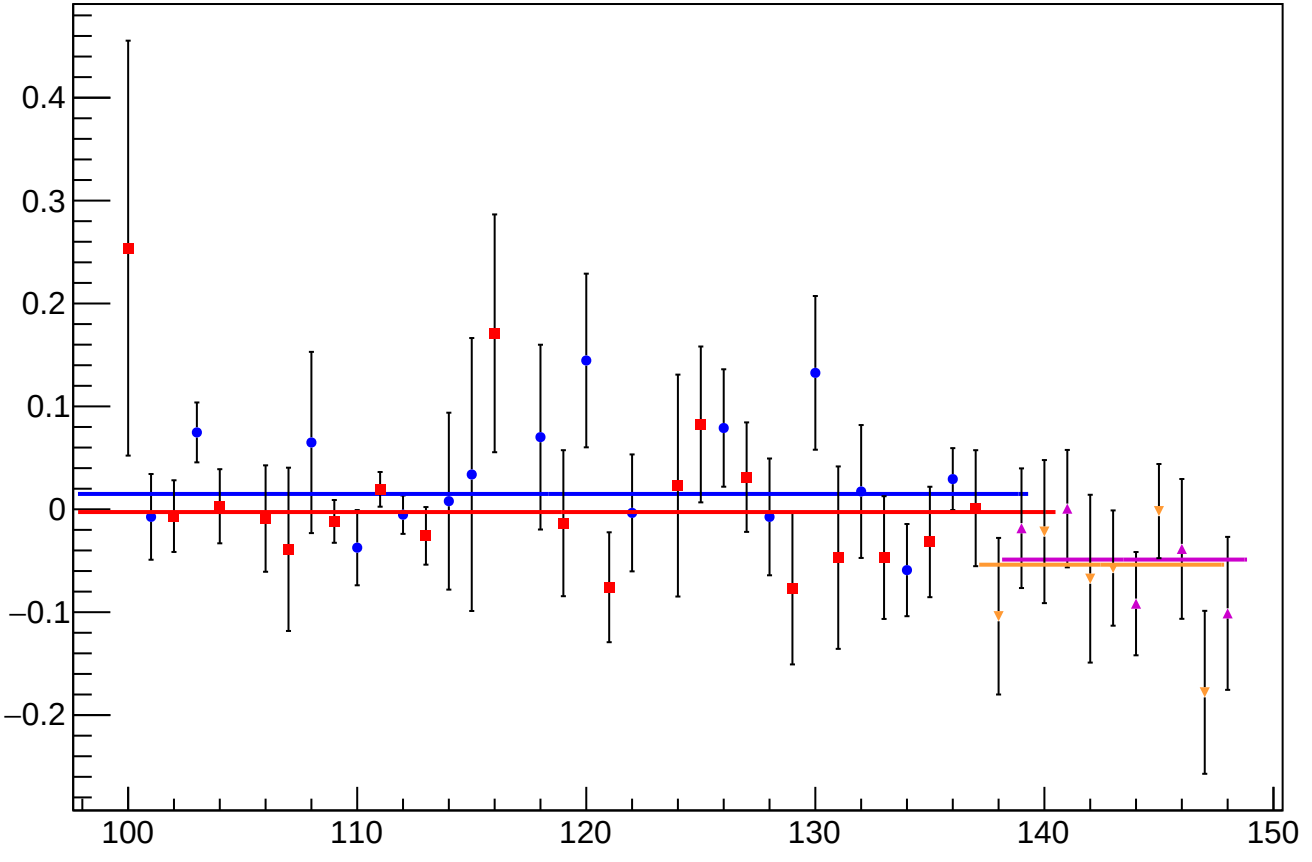
Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

+ sign 28.689+/-0.007 χ^2/NDF: 4970775.9/21

All: 26.118+/-0.005 χ^2/NDF: 11782953.3/45

- sign 24.083+/-0.006 χ^2/NDF: 6565786.9/23

asym_sam5_dit_vs_eigen_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

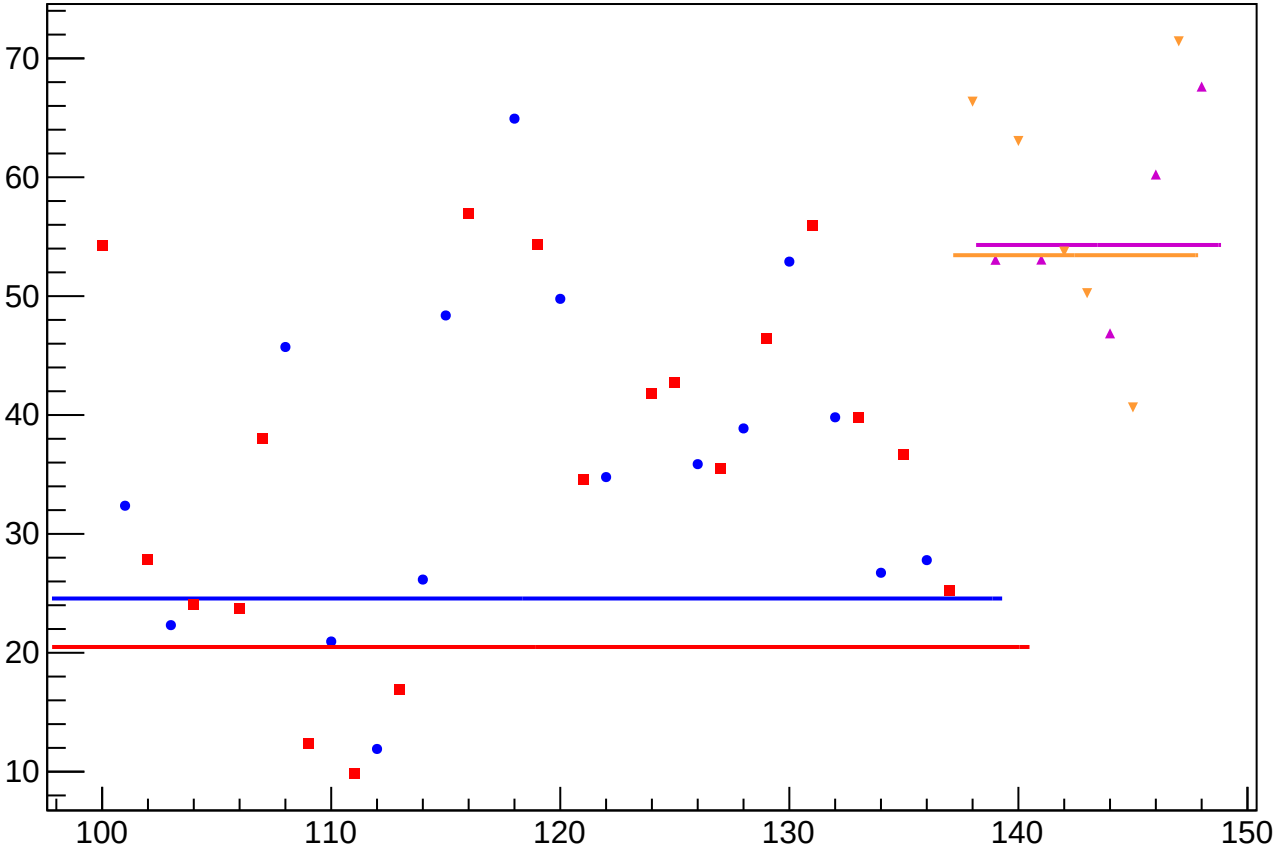
Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.002+/-0.007 χ^2/NDF: 46.6/45

- sign -0.008+/-0.009 χ^2/NDF: 17.4/23

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

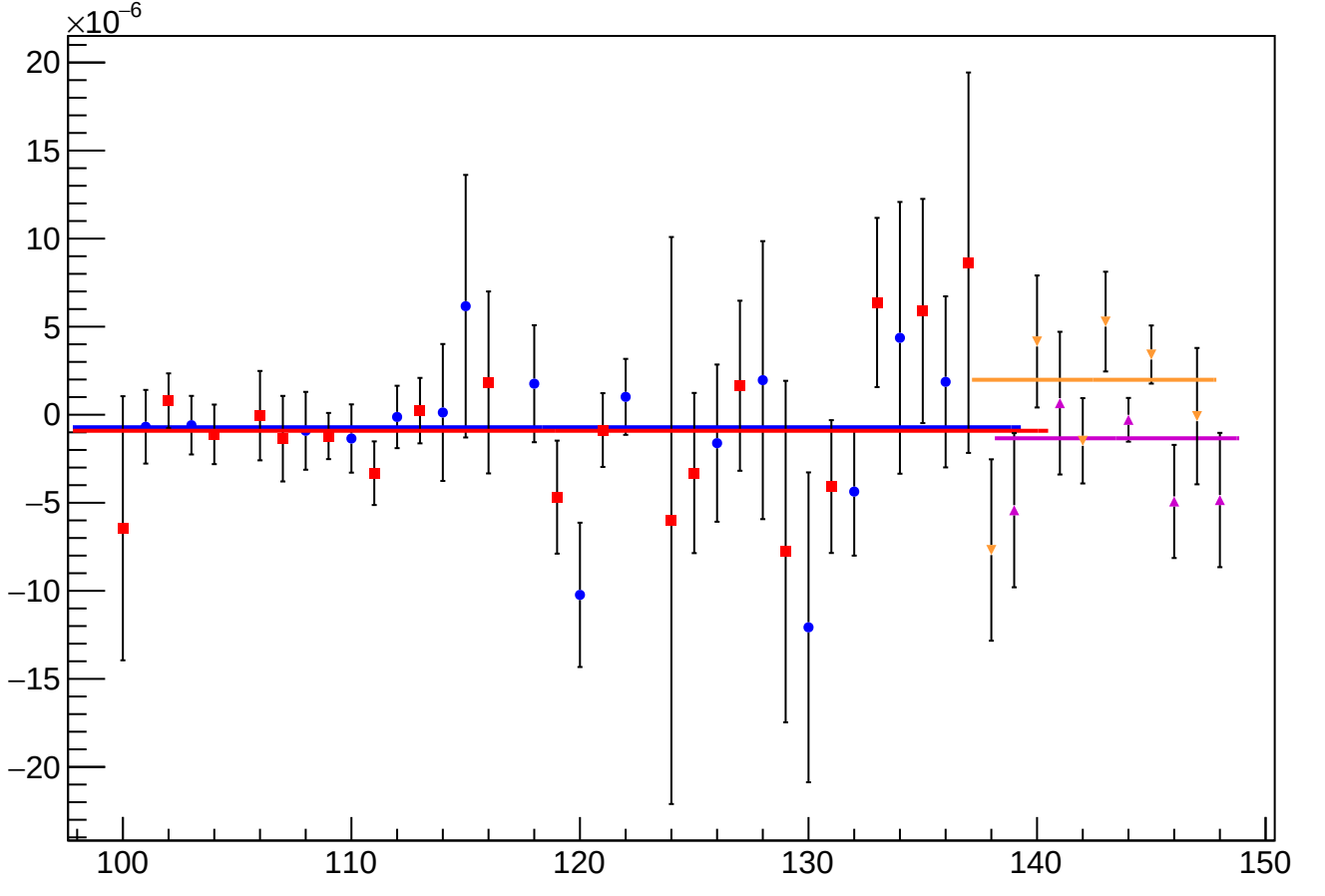
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

+ sign 28.689+/-0.007 χ^2/NDF: 4970775.9/21

All: 26.118+/-0.005 χ^2/NDF: 11782953.3/45

- sign 24.083+/-0.006 χ^2/NDF: 6565786.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/5

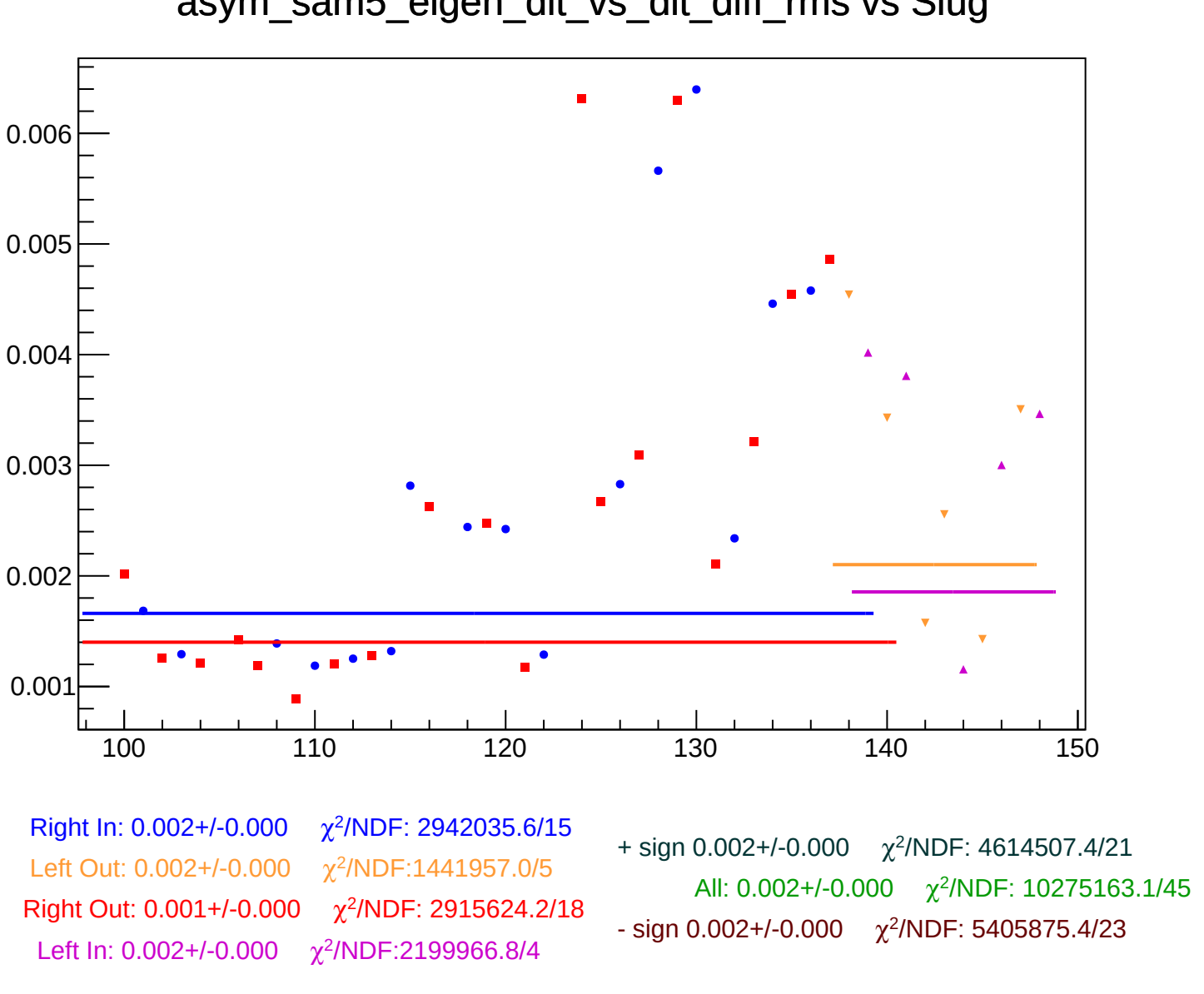
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

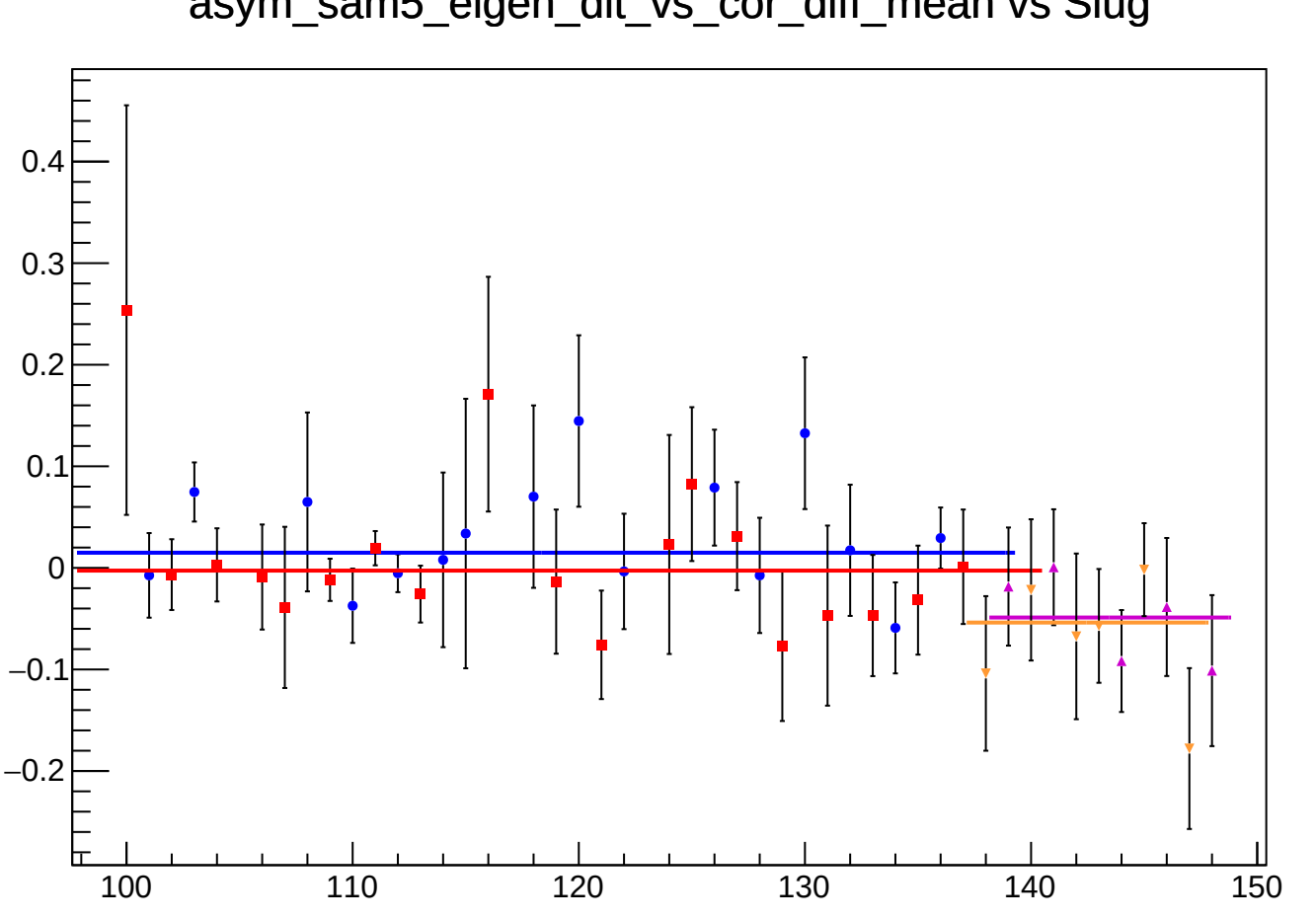
Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/21

All: -0.000+/-0.000 χ^2/NDF: 41.7/45

- sign -0.000+/-0.000 χ^2/NDF: 15.9/23


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1441957.0/5
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:2199966.8/4
+ sign 0.002+/-0.000 χ²/NDF: 4614507.4/21
All: 0.002+/-0.000 χ²/NDF: 10275163.1/45
- sign 0.002+/-0.000 χ²/NDF: 5405875.4/23



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

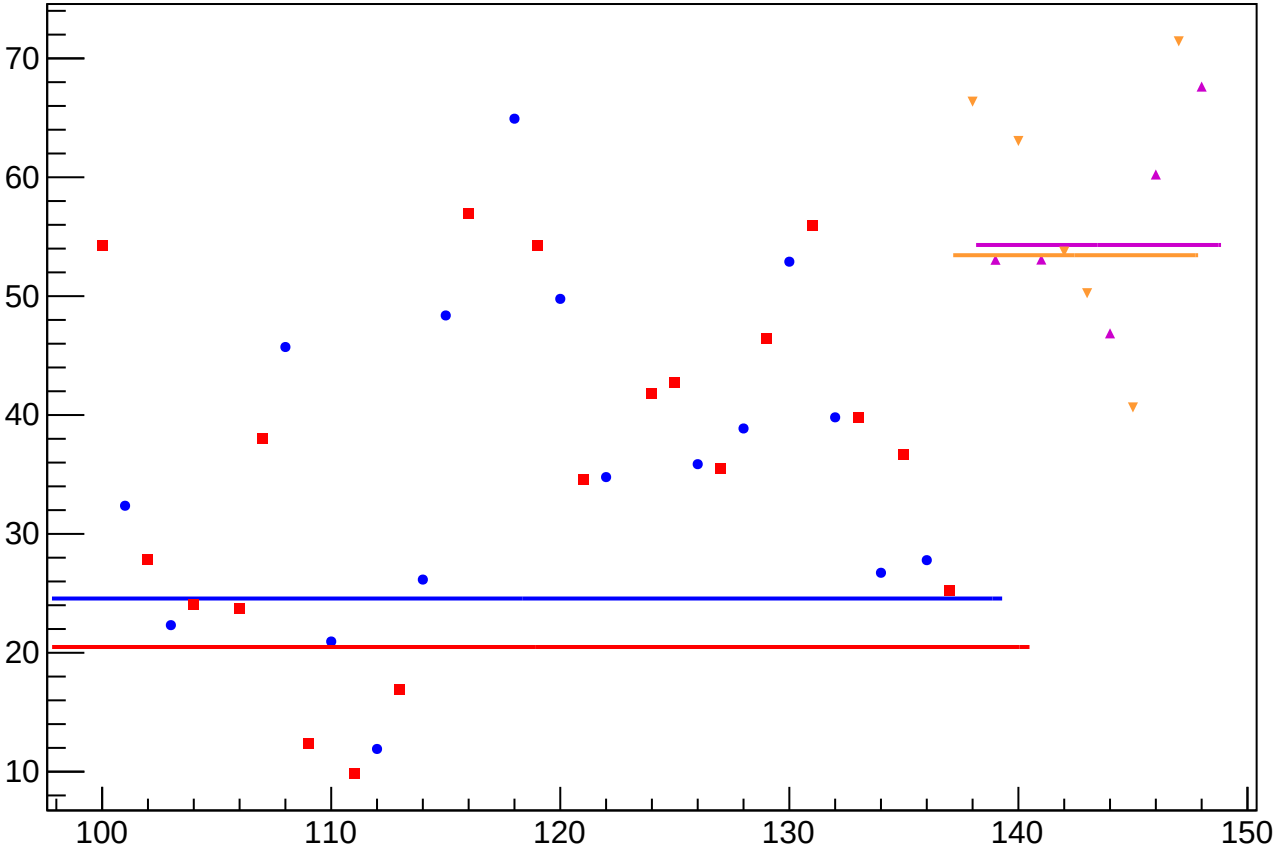
Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.002+/-0.007 χ^2/NDF: 46.6/45

- sign -0.008+/-0.009 χ^2/NDF: 17.4/23

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

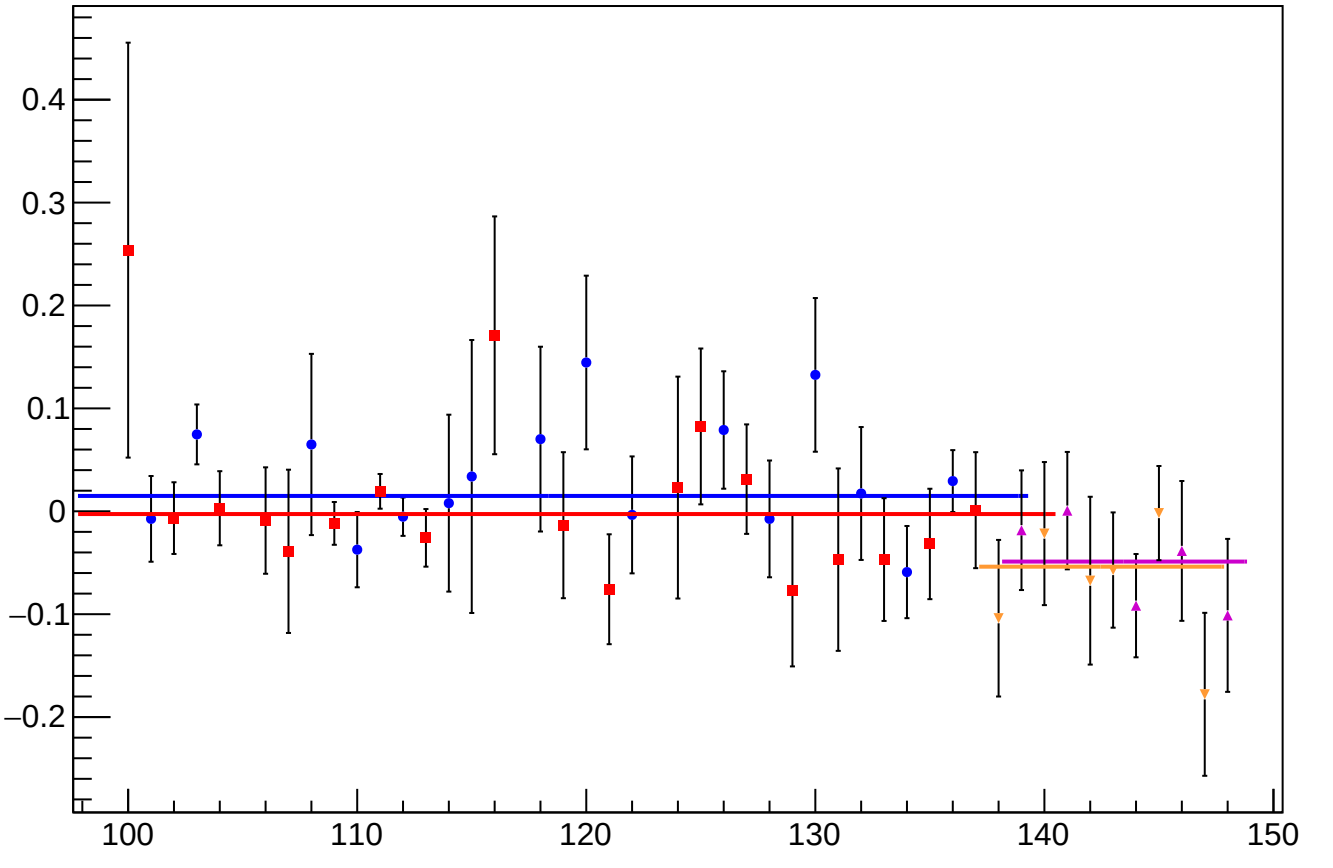
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

+ sign 28.688+/-0.007 χ^2/NDF: 4970838.7/21

All: 26.117+/-0.005 χ^2/NDF: 11783202.9/45

- sign 24.082+/-0.006 χ^2/NDF: 6565961.0/23



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

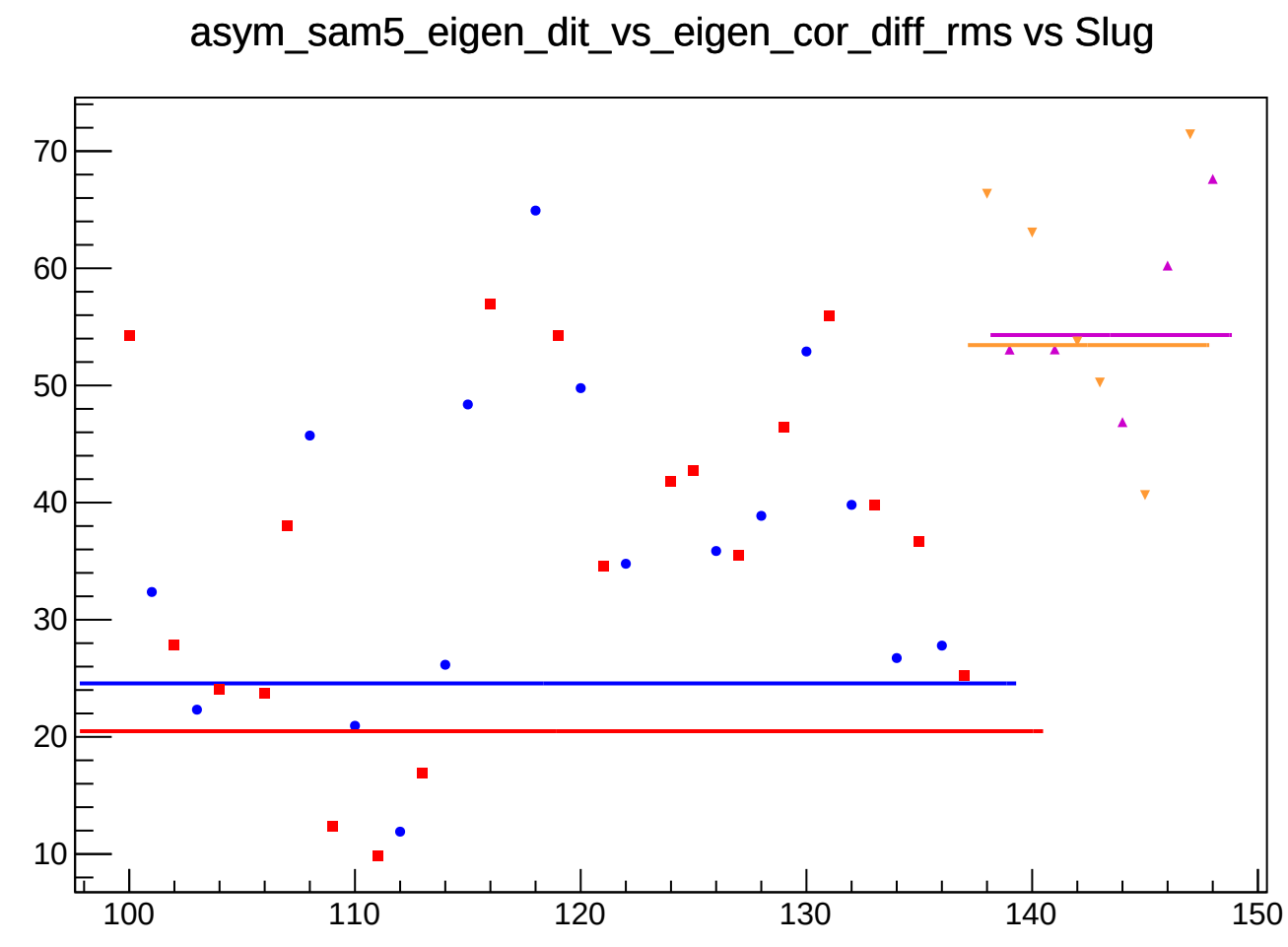
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 28.2/21

All: -0.002+/-0.007 χ^2/NDF: 46.6/45

- sign -0.008+/-0.009 χ^2/NDF: 17.4/23



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

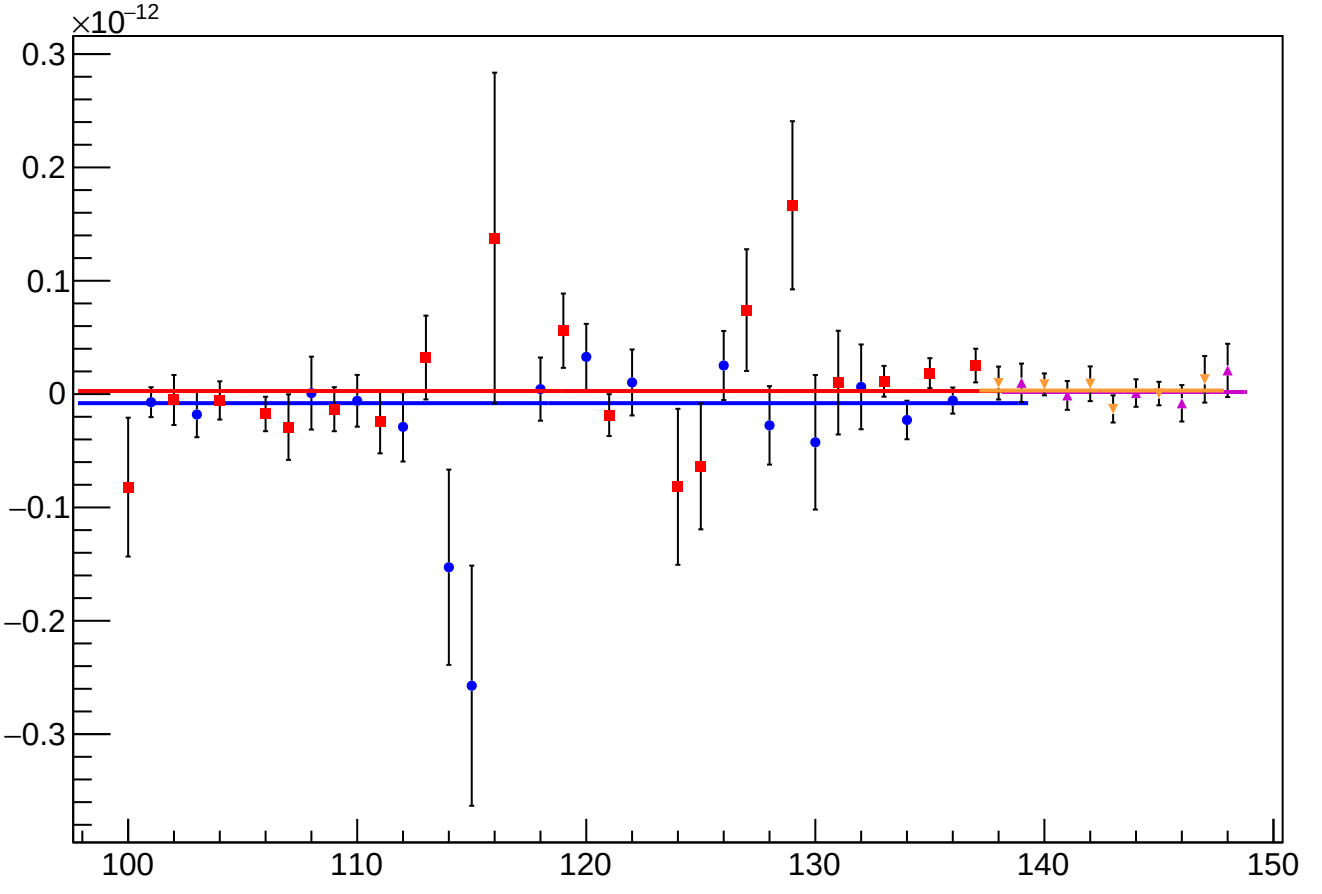
Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

+ sign 28.688+/-0.007 χ^2/NDF: 4970838.7/21

All: 26.117+/-0.005 χ^2/NDF: 11783202.9/45

- sign 24.082+/-0.006 χ^2/NDF: 6565961.0/23

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

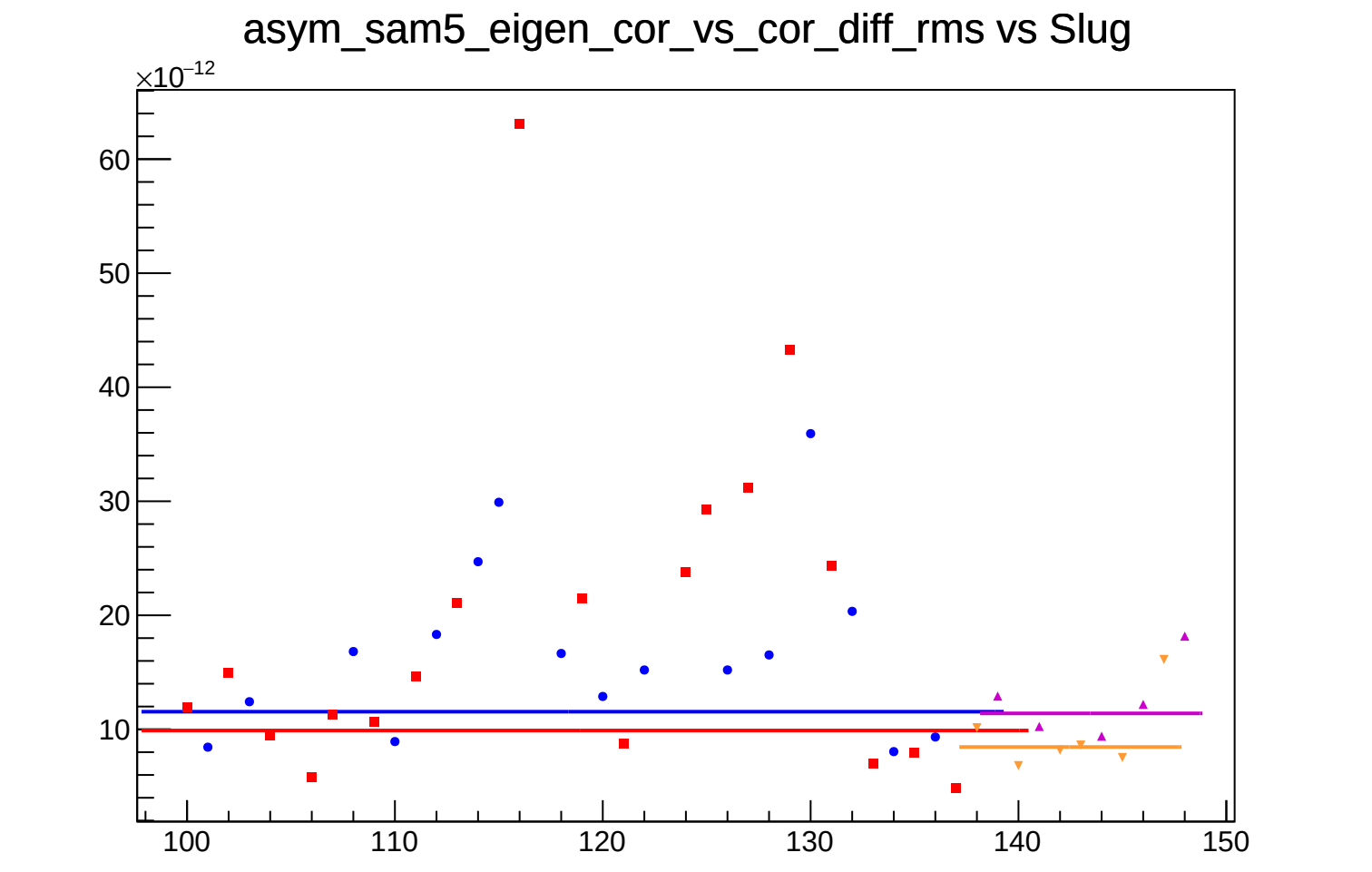
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

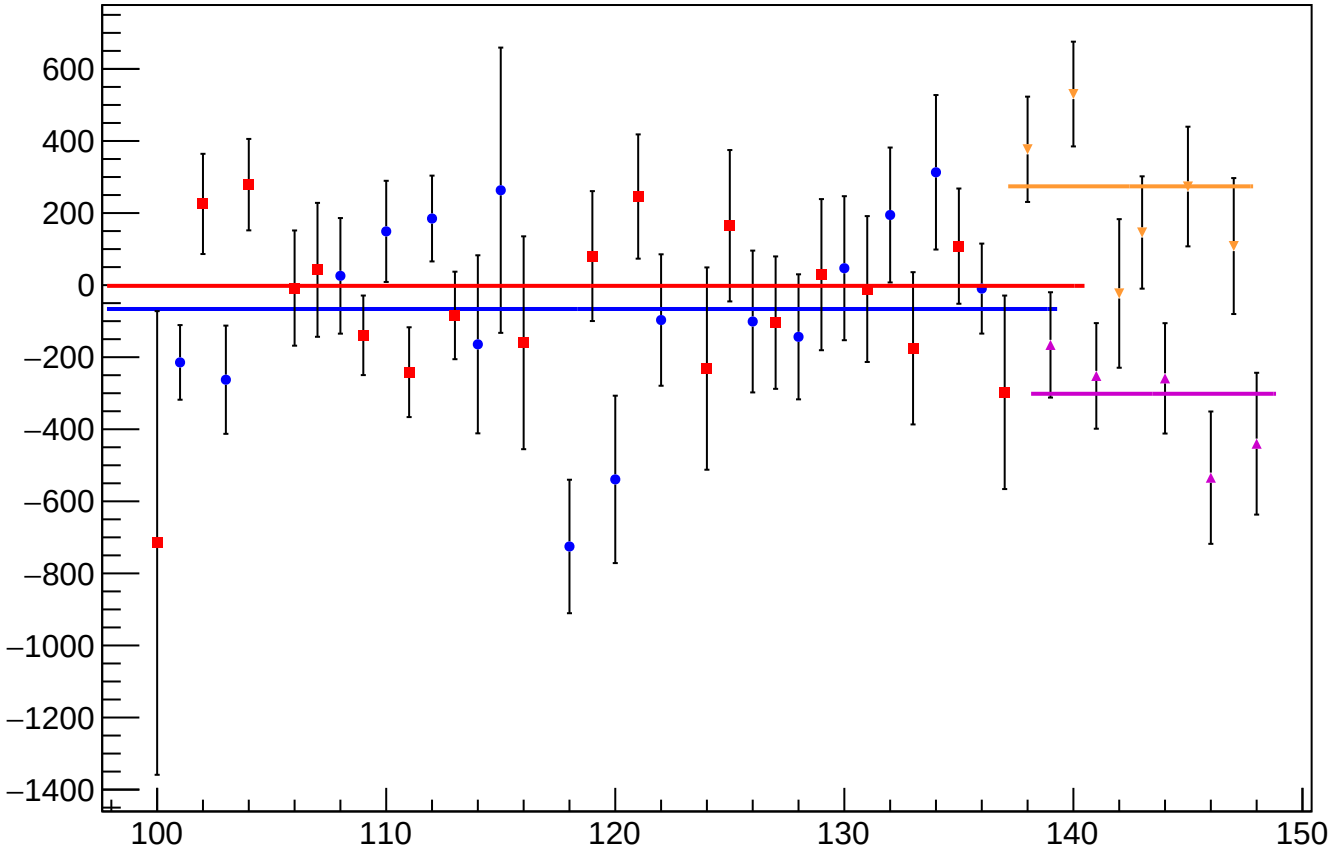
+ sign -0.000+/-0.000 χ^2/NDF: 19.4/21

All: 0.000+/-0.000 χ^2/NDF: 47.4/45

- sign 0.000+/-0.000 χ^2/NDF: 27.4/23


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
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:257880.3/4
+ sign 0.000+/-0.000 χ²/NDF: 1882683.3/21
All: 0.000+/-0.000 χ²/NDF: 4865641.1/45
- sign 0.000+/-0.000 χ²/NDF: 2956179.0/23

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

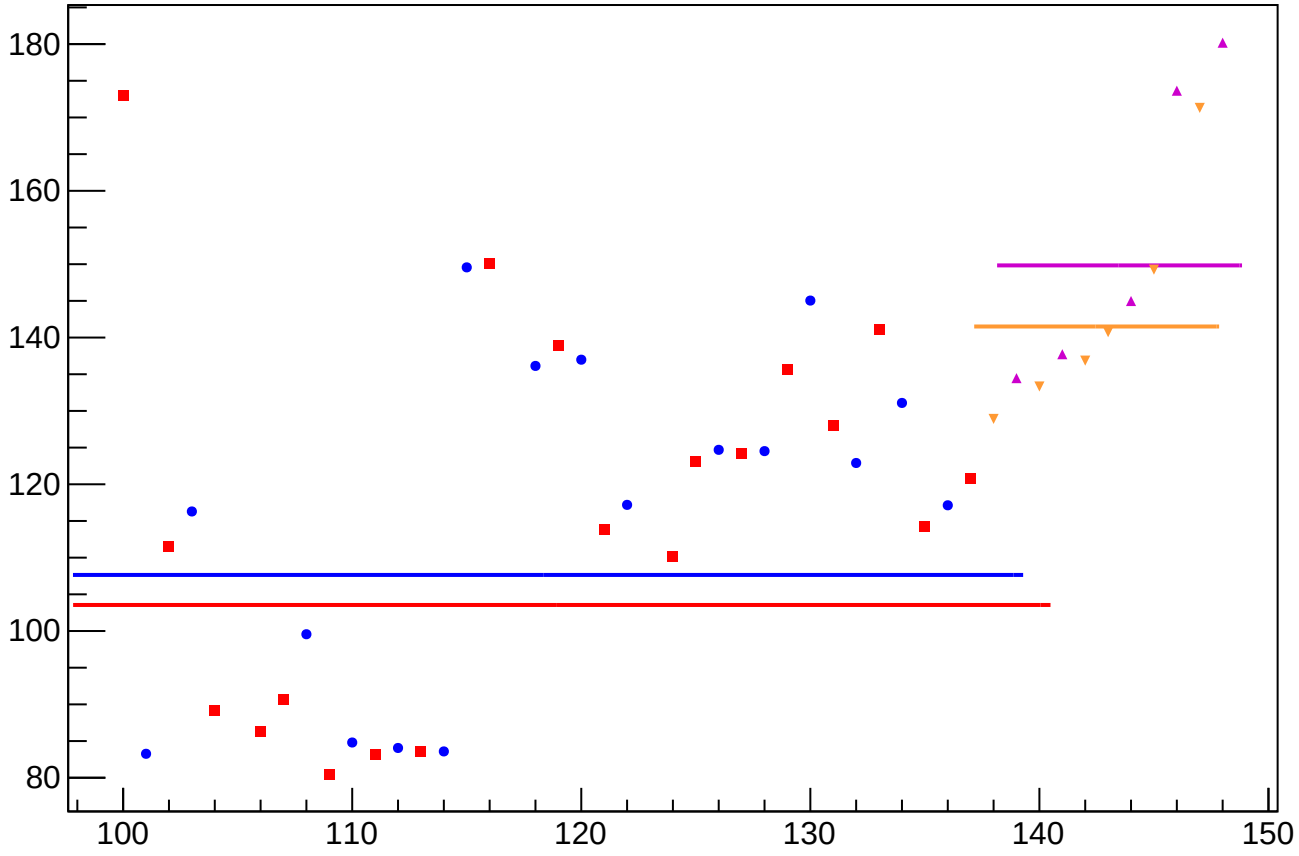
Left In: -301.526+/-72.268 χ^2/NDF:3.2/4

+ sign 26.422+/-34.924 χ^2/NDF: 60.3/21

All: -22.354+/-24.446 χ^2/NDF: 101.8/45

- sign -69.211+/-34.230 χ^2/NDF: 37.6/23

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

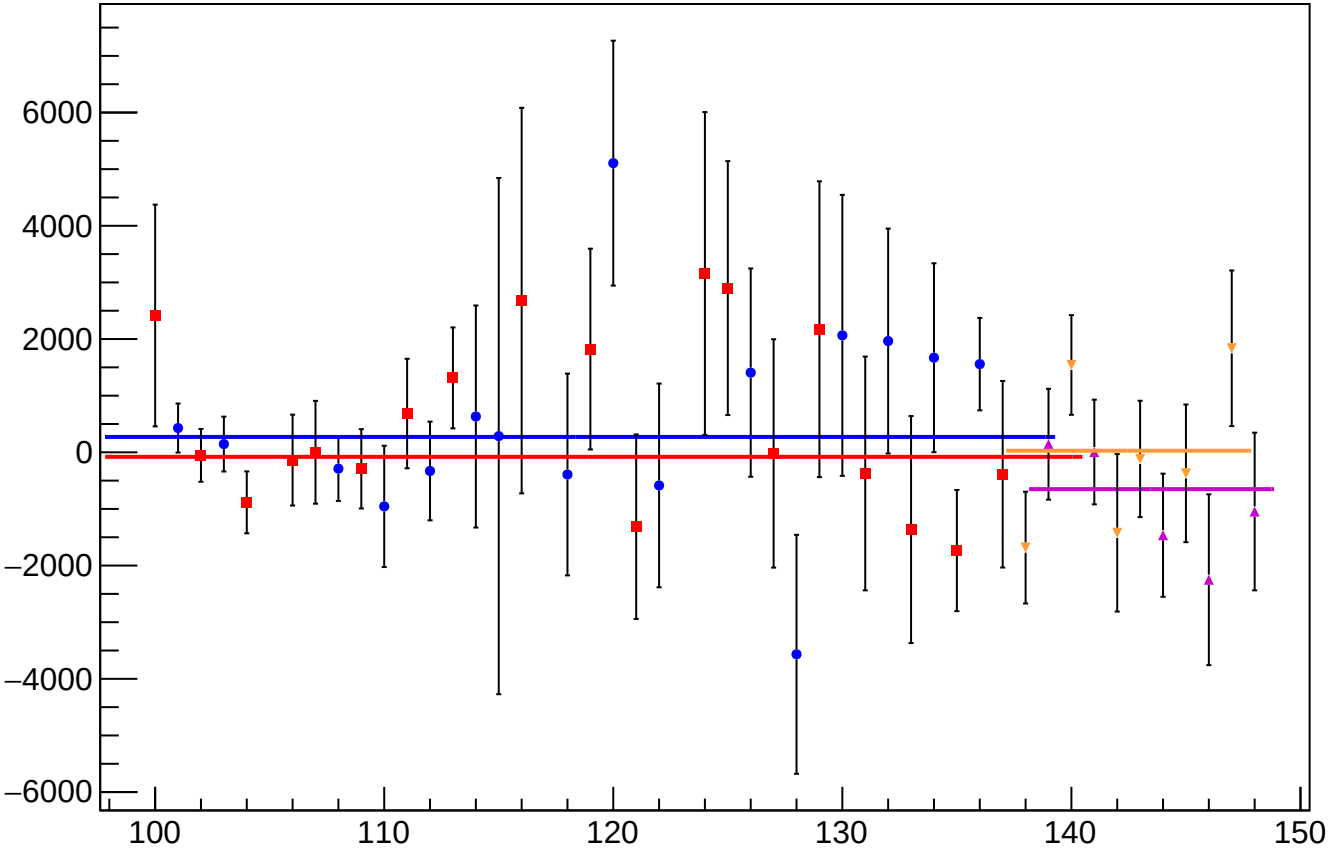
Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 115.369+/-0.017 χ^2/NDF: 2361719.4/45

- sign 113.934+/-0.024 χ^2/NDF: 1372669.4/23

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

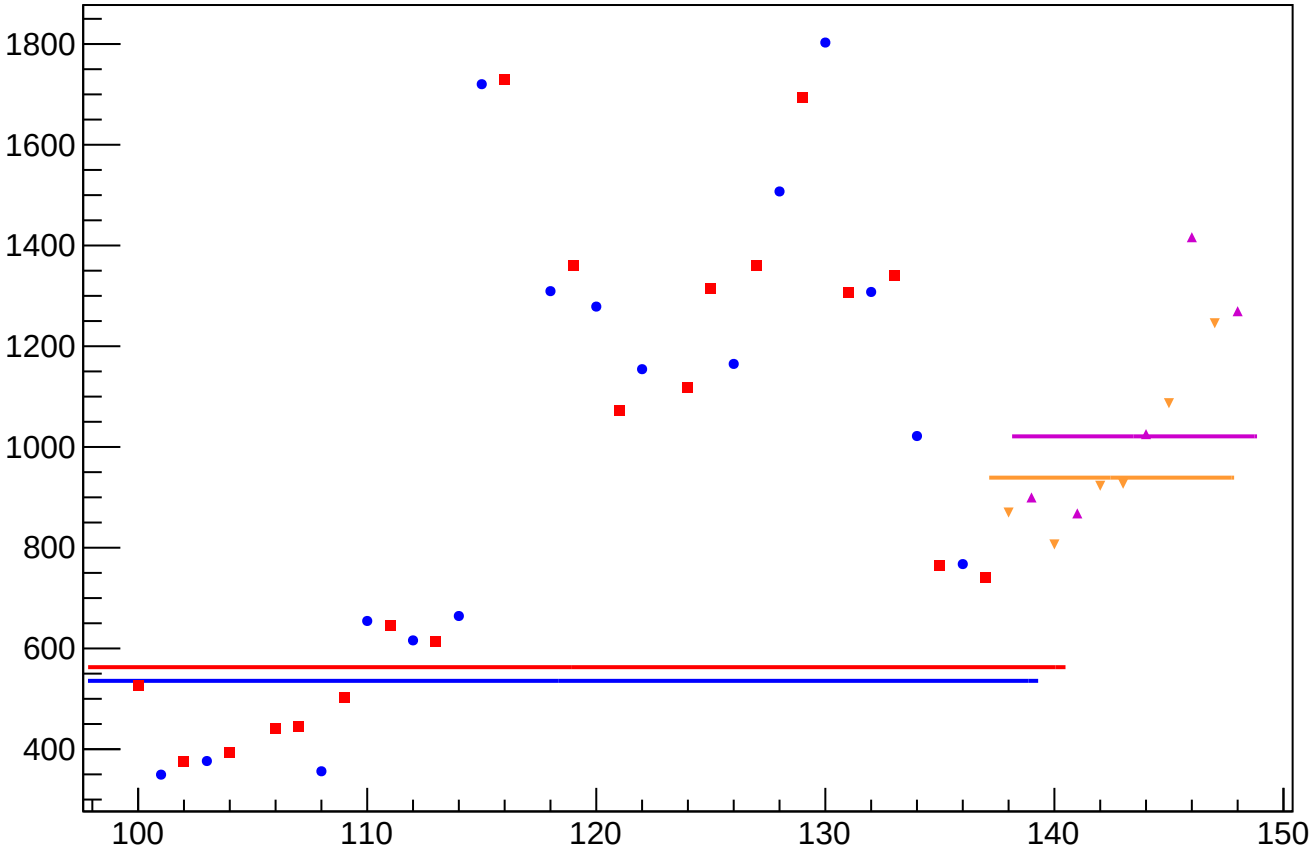
Left In: -650.168+/-498.917 χ^2/NDF:2.9/4

+ sign 220.476+/-205.045 χ^2/NDF: 25.6/21

All: 24.720+/-146.873 χ^2/NDF: 47.5/45

- sign -181.558+/-210.483 χ^2/NDF: 20.0/23

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

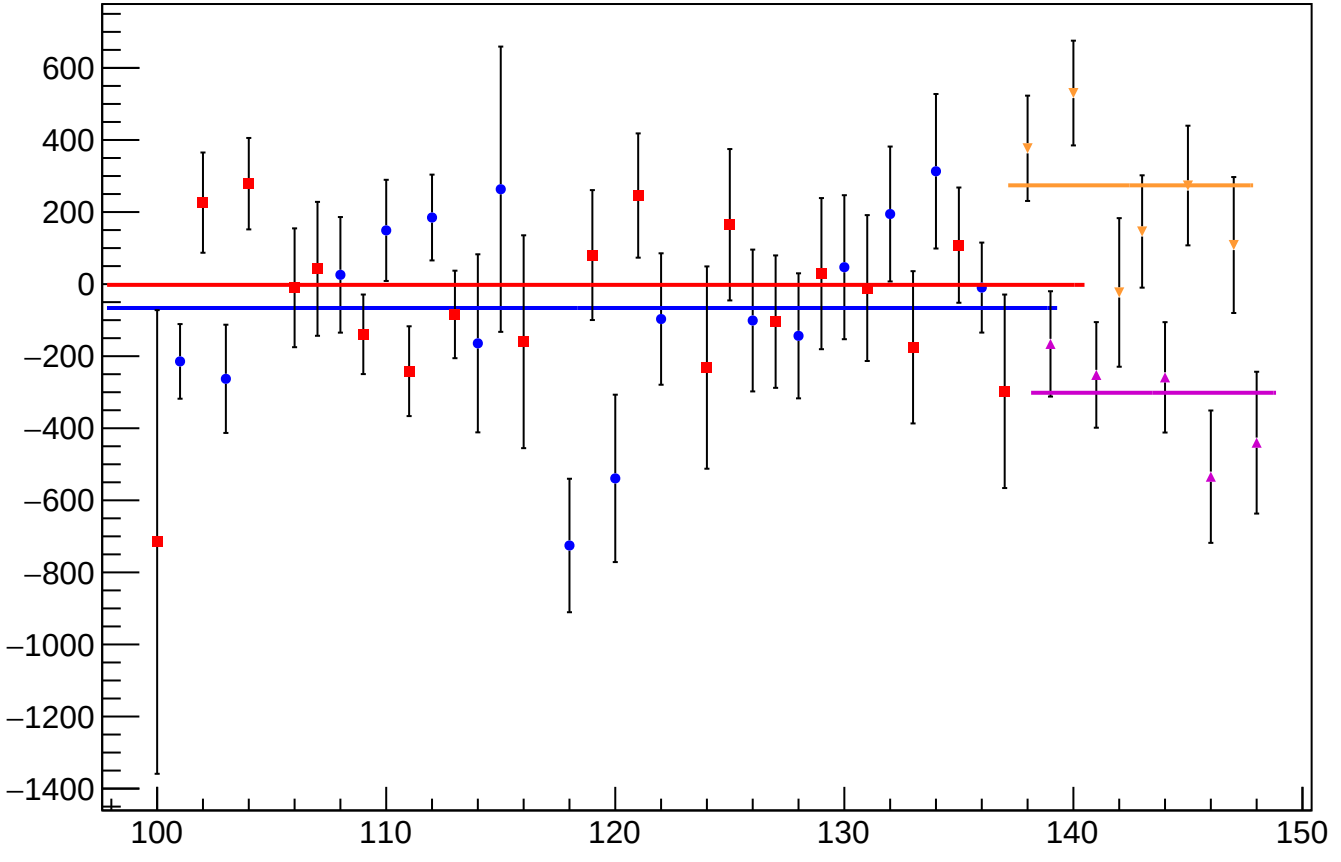
Left In: 1021.083+/-0.353 χ^2/NDF:286733.6/4

+ sign 620.320+/-0.145 χ^2/NDF: 5100889.2/21

All: 632.047+/-0.104 χ^2/NDF: 9898965.4/45

- sign 644.403+/-0.149 χ^2/NDF: 4784642.2/23

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

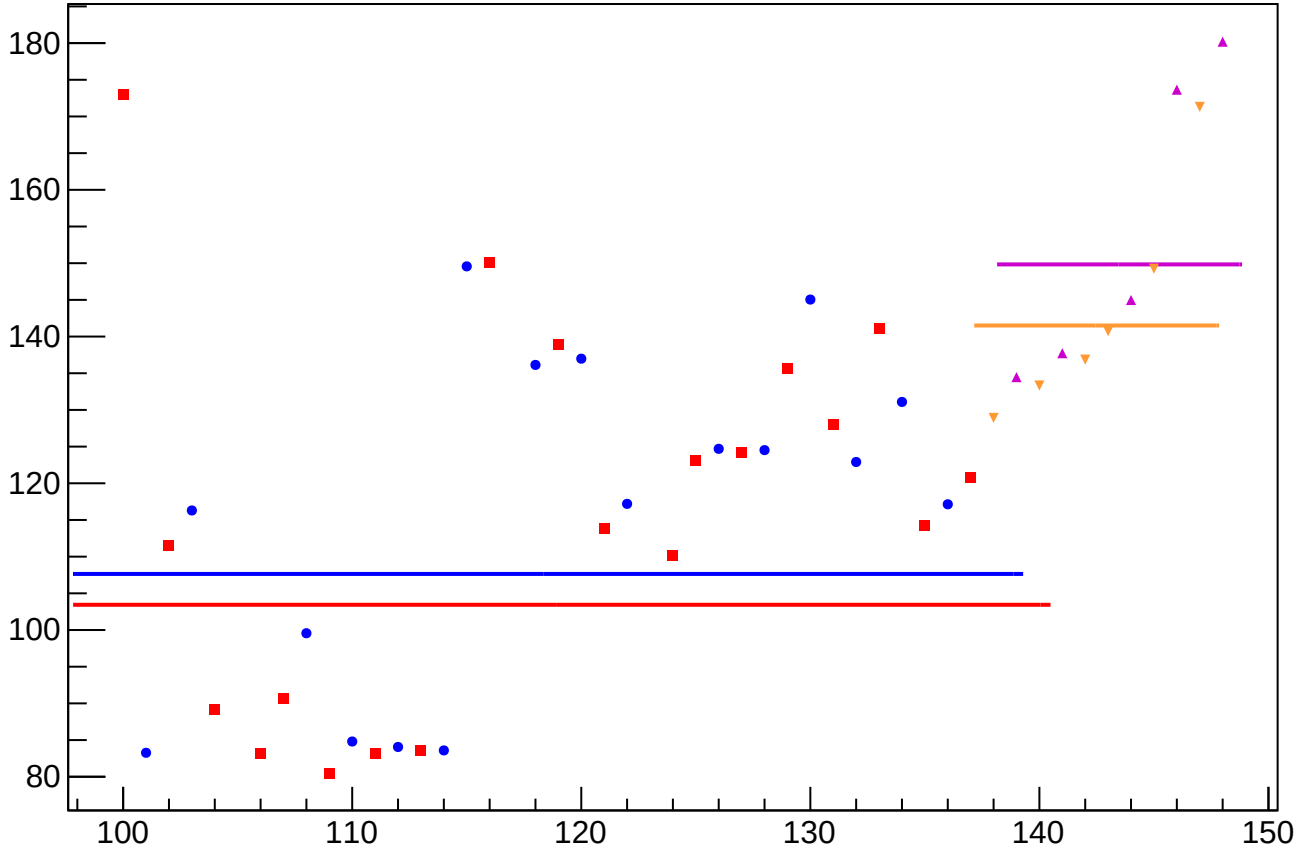
Left In: -301.523+/-72.268 χ^2/NDF:3.2/4

\+ sign 26.406+/-34.924 χ^2/NDF: 60.4/21

All: -22.408+/-24.463 χ^2/NDF: 101.8/45

\- sign -69.434+/-34.278 χ^2/NDF: 37.6/23

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

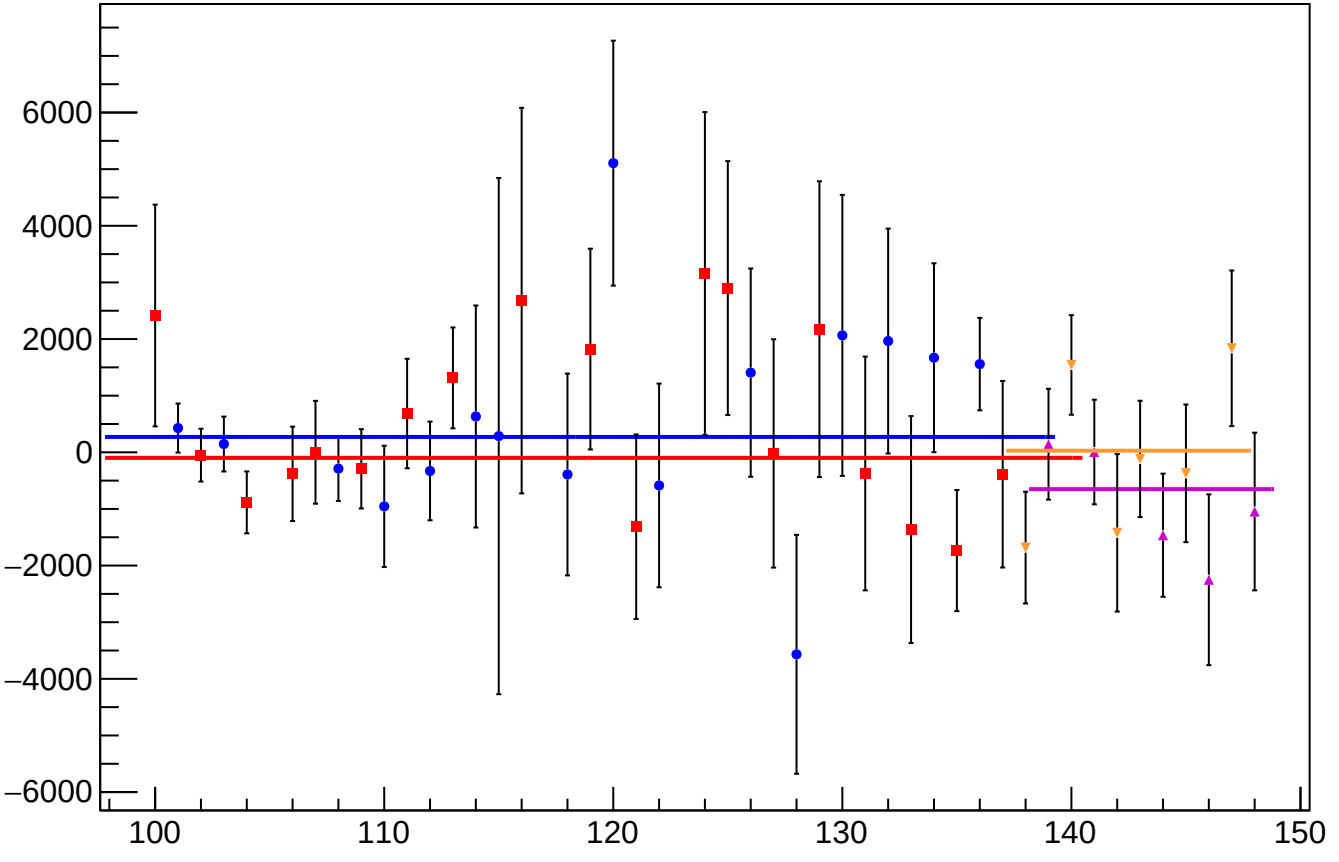
Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 115.341+/-0.017 χ^2/NDF: 2371967.2/45

- sign 113.876+/-0.024 χ^2/NDF: 1382641.5/23

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

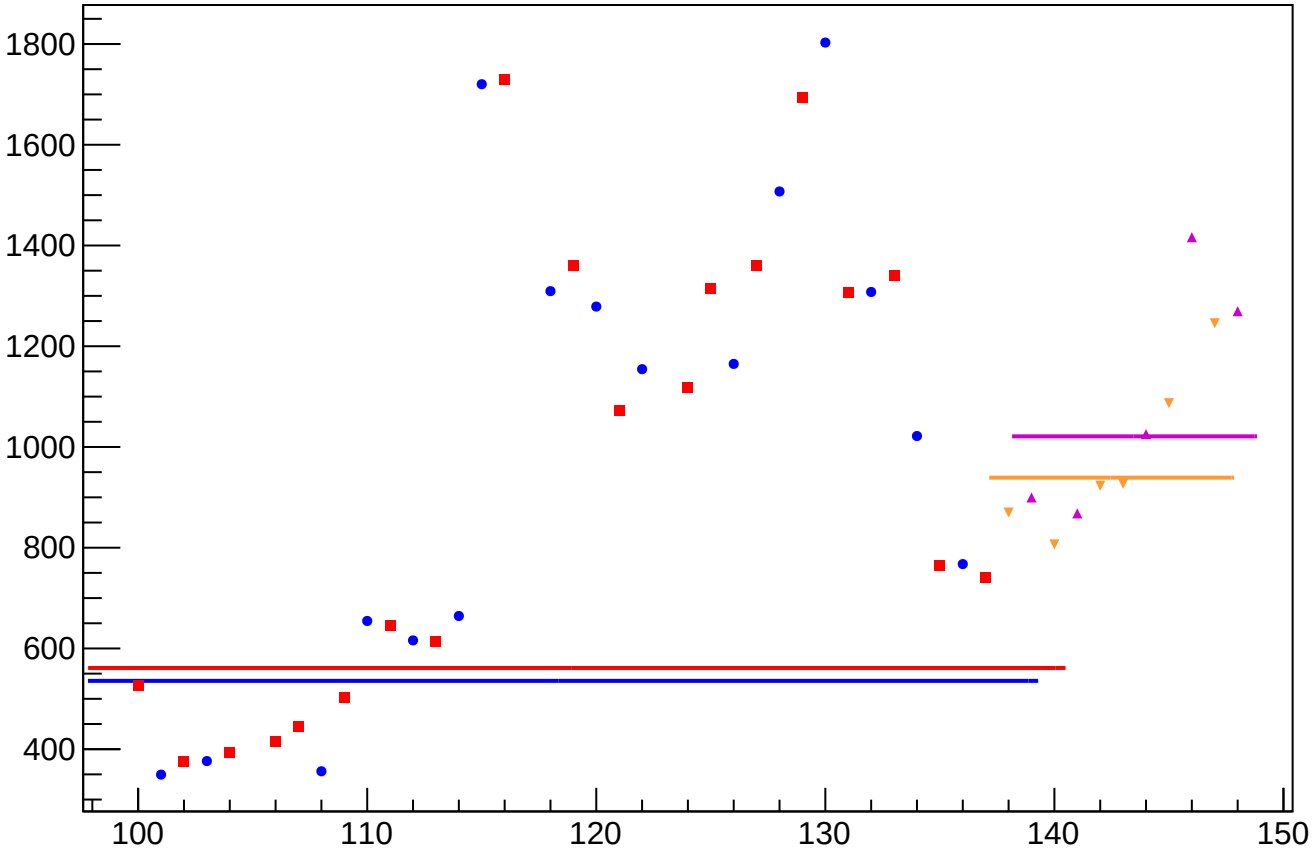
Left In: -650.149+/-498.917 χ^2/NDF:2.9/4

+ sign 220.593+/-205.040 χ^2/NDF: 25.6/21

All: 17.931+/-147.030 χ^2/NDF: 47.7/45

- sign -196.584+/-210.950 χ^2/NDF: 20.1/23

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

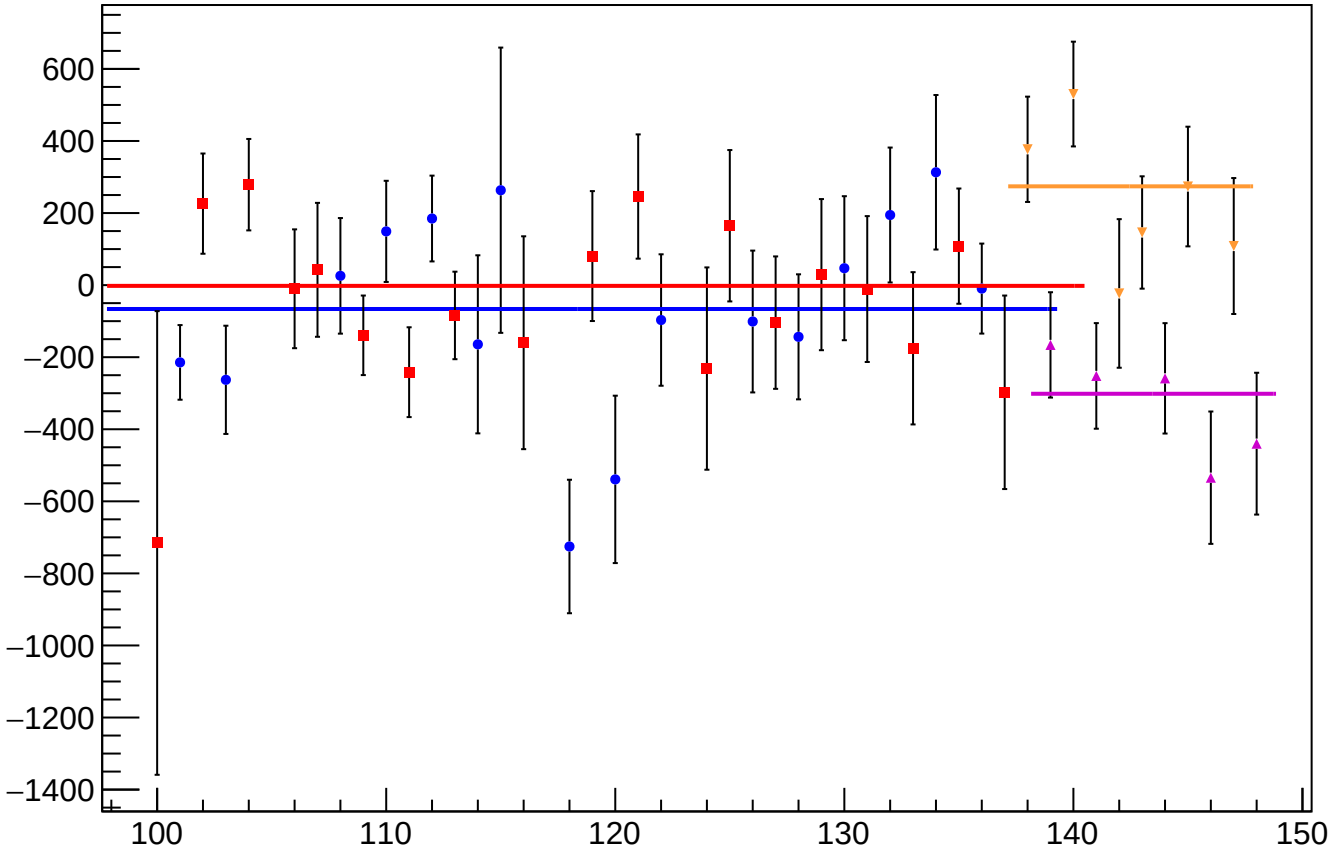
Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

+ sign 620.299+/-0.145 χ^2/NDF: 5101243.7/21

All: 631.556+/-0.104 χ^2/NDF: 9926234.0/45

- sign 643.472+/-0.149 χ^2/NDF: 4812580.6/23

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

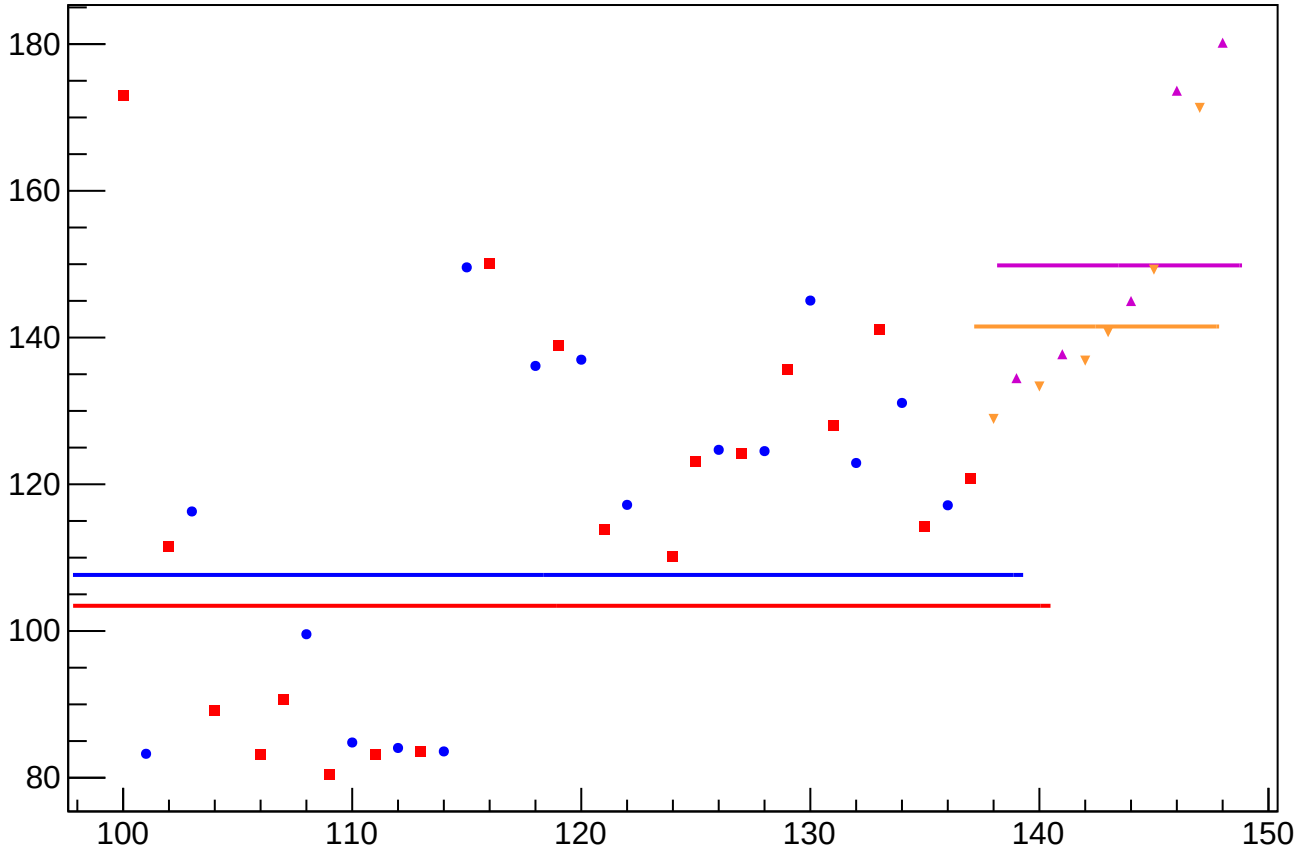
Left In: -301.523+/-72.268 χ^2/NDF:3.2/4

+ sign 26.406+/-34.924 χ^2/NDF: 60.4/21

All: -22.408+/-24.463 χ^2/NDF: 101.8/45

- sign -69.434+/-34.278 χ^2/NDF: 37.6/23

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

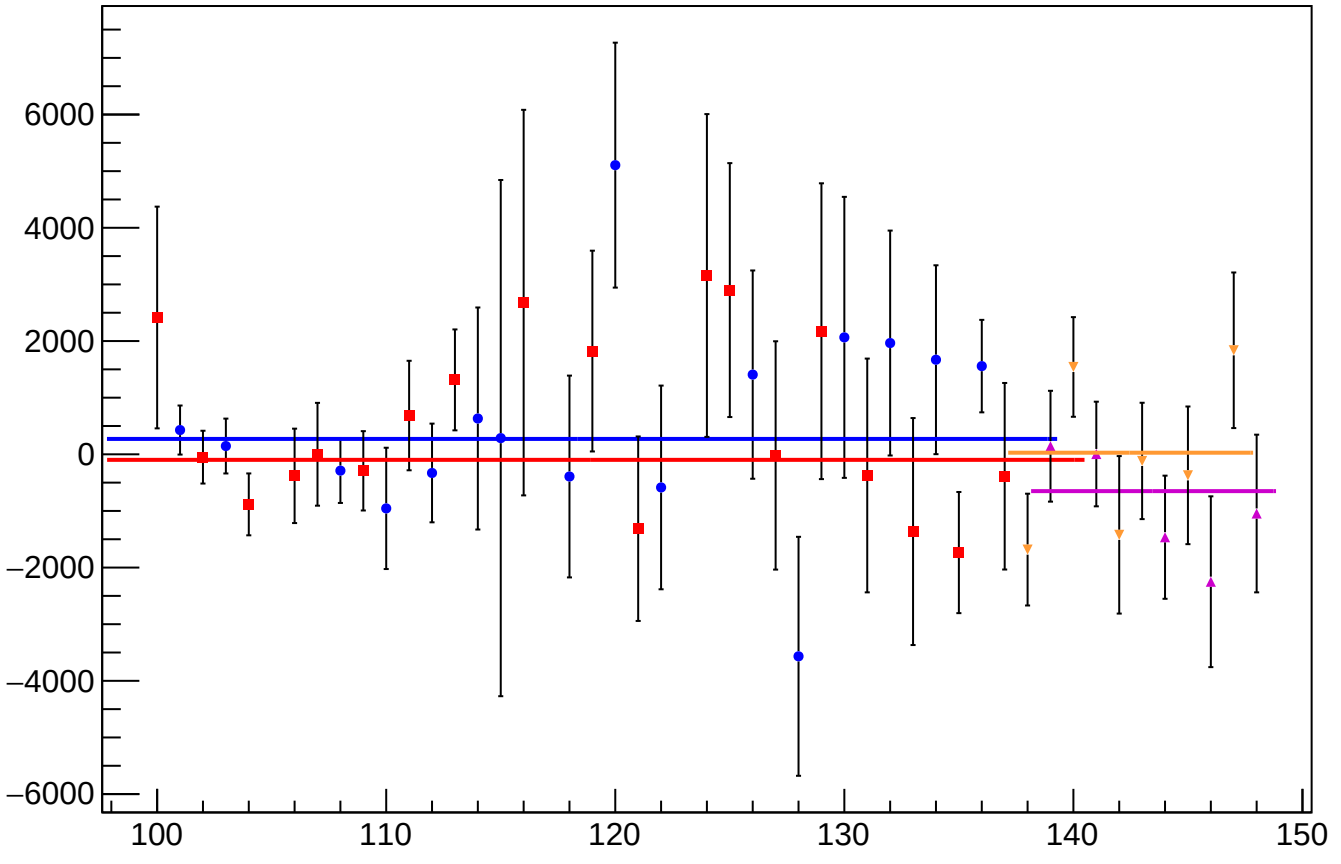
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 116.862+/-0.025 χ^2/NDF: 981877.8/21

All: 115.341+/-0.017 χ^2/NDF: 2371967.2/45

- sign 113.876+/-0.024 χ^2/NDF: 1382641.5/23



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

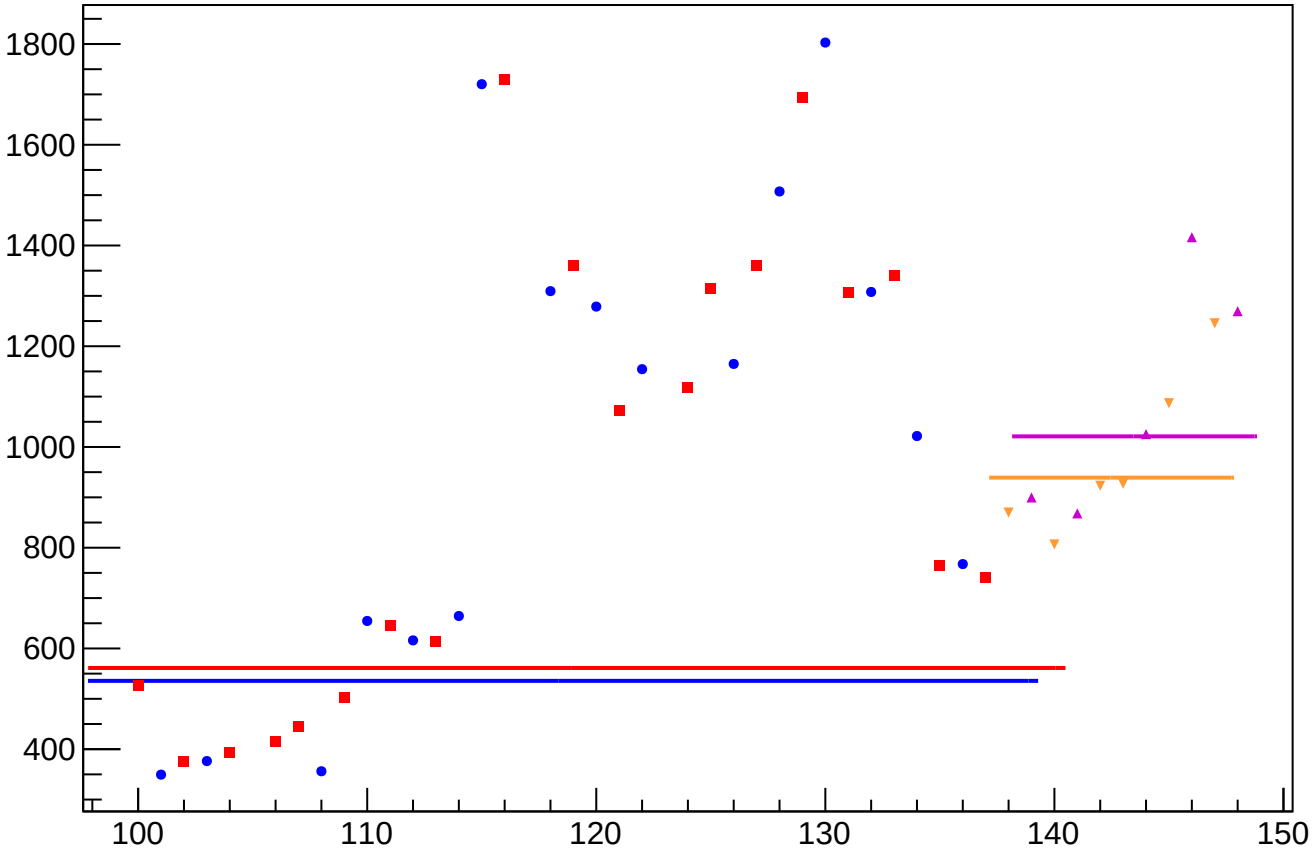
Left In: -650.149+/-498.917 χ^2/NDF:2.9/4

+ sign 220.593+/-205.040 χ^2/NDF: 25.6/21

All: 17.931+/-147.030 χ^2/NDF: 47.7/45

- sign -196.584+/-210.950 χ^2/NDF: 20.1/23

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

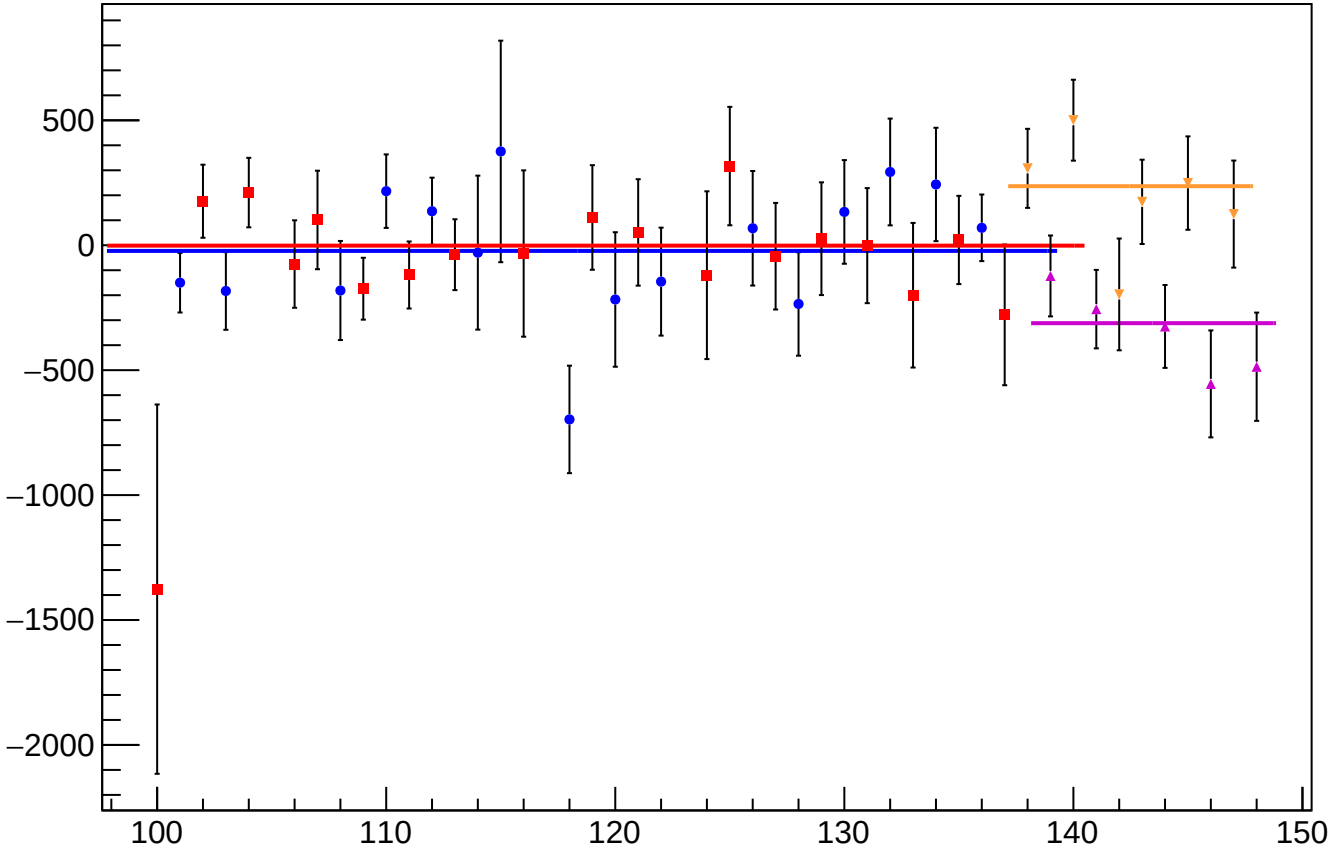
Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

+ sign 620.299+/-0.145 χ^2/NDF: 5101243.7/21

All: 631.556+/-0.104 χ^2/NDF: 9926234.0/45

- sign 643.472+/-0.149 χ^2/NDF: 4812580.6/23

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

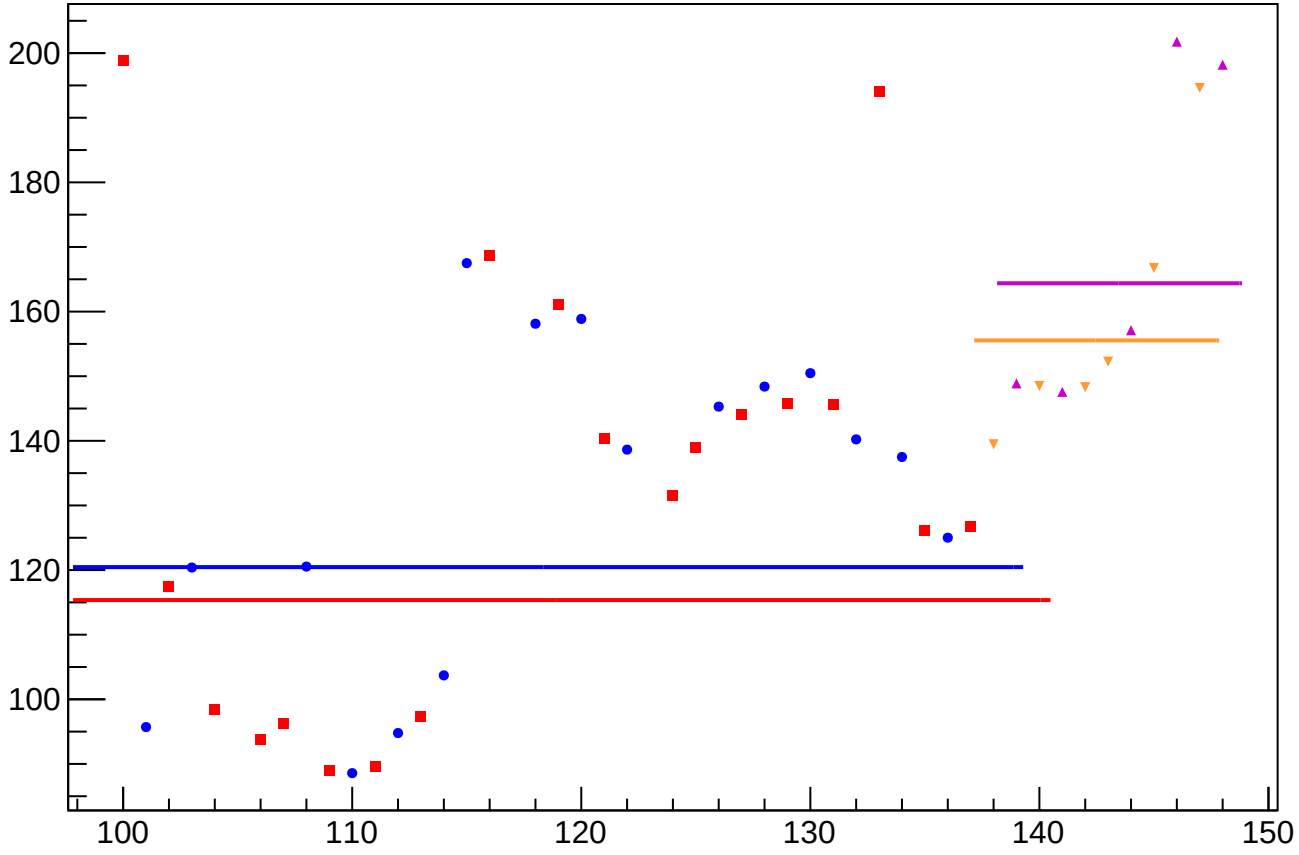
Left In: -311.911+/-79.516 χ^2/NDF:3.4/4

+ sign 49.587+/-38.981 χ^2/NDF: 40.1/21

All: -13.058+/-27.285 χ^2/NDF: 74.6/45

- sign -73.236+/-38.205 χ^2/NDF: 29.4/23

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

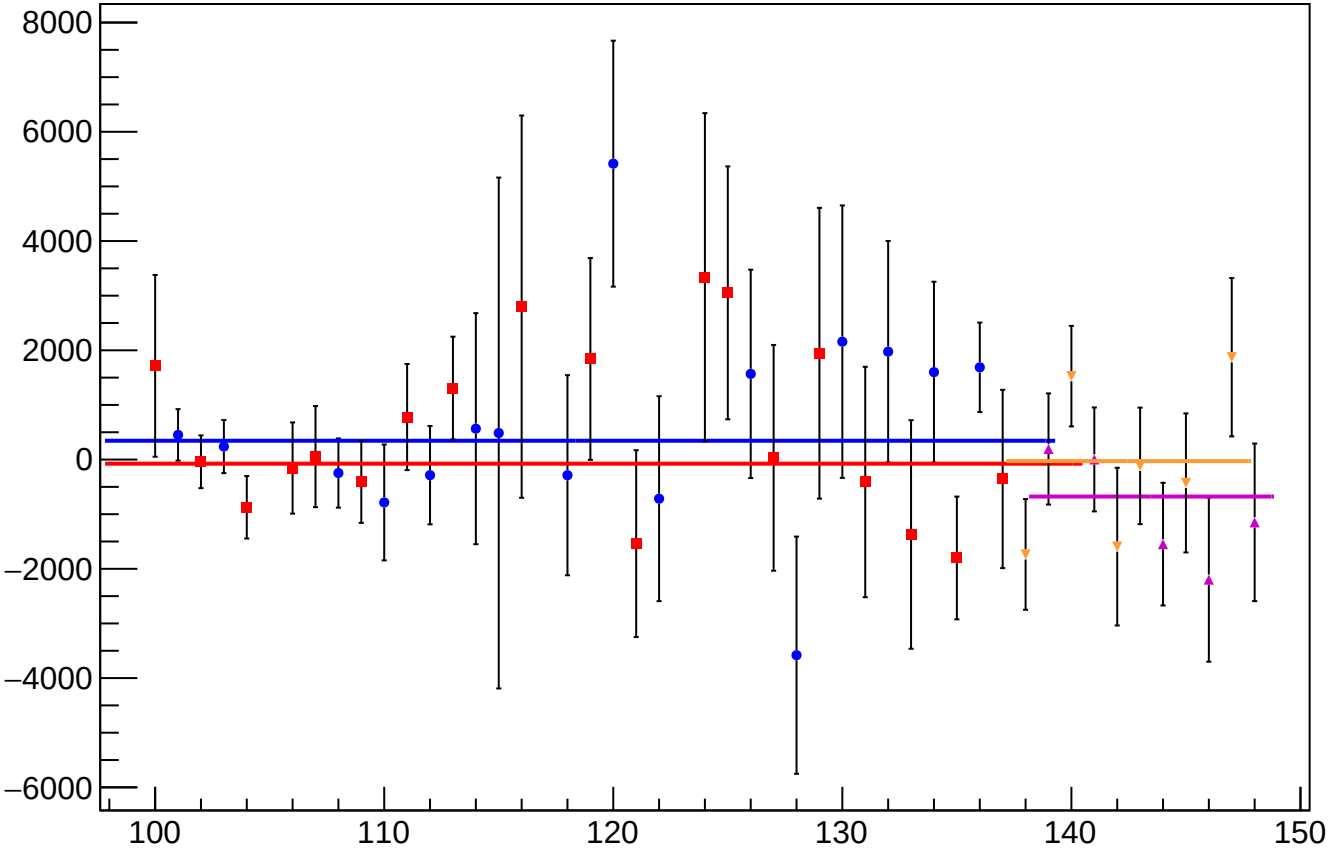
Left In: 164.384+/-0.056 χ^2/NDF:154829.2/4

\+ sign 130.248+/-0.028 χ^2/NDF: 957306.1/21

All: 128.426+/-0.019 χ^2/NDF: 2472724.9/45

\- sign 126.675+/-0.027 χ^2/NDF: 1506845.9/23

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

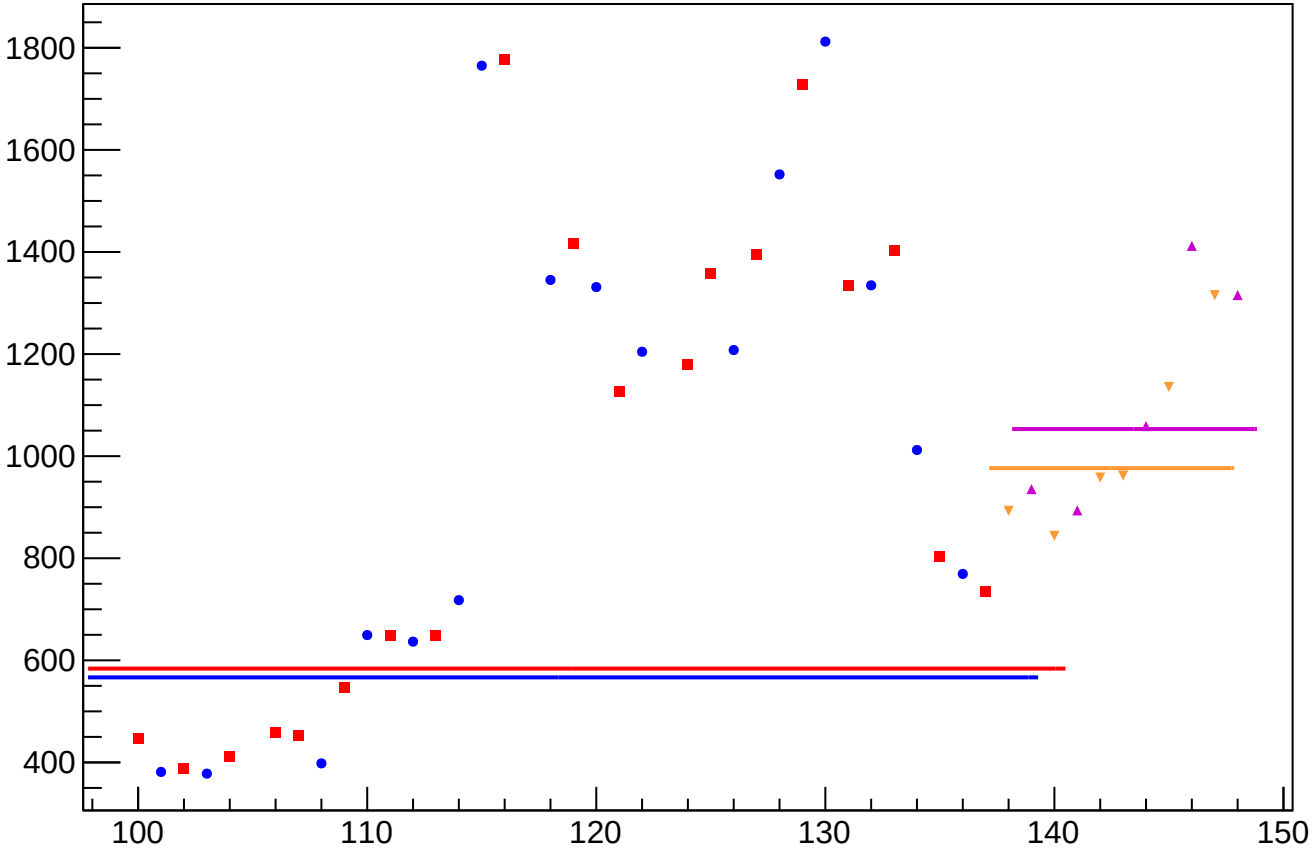
Left In: -676.841+/-513.800 χ^2/NDF:3.0/4

+ sign 265.615+/-214.432 χ^2/NDF: 25.4/21

All: 44.557+/-152.805 χ^2/NDF: 47.0/45

- sign -183.505+/-217.803 χ^2/NDF: 19.4/23

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

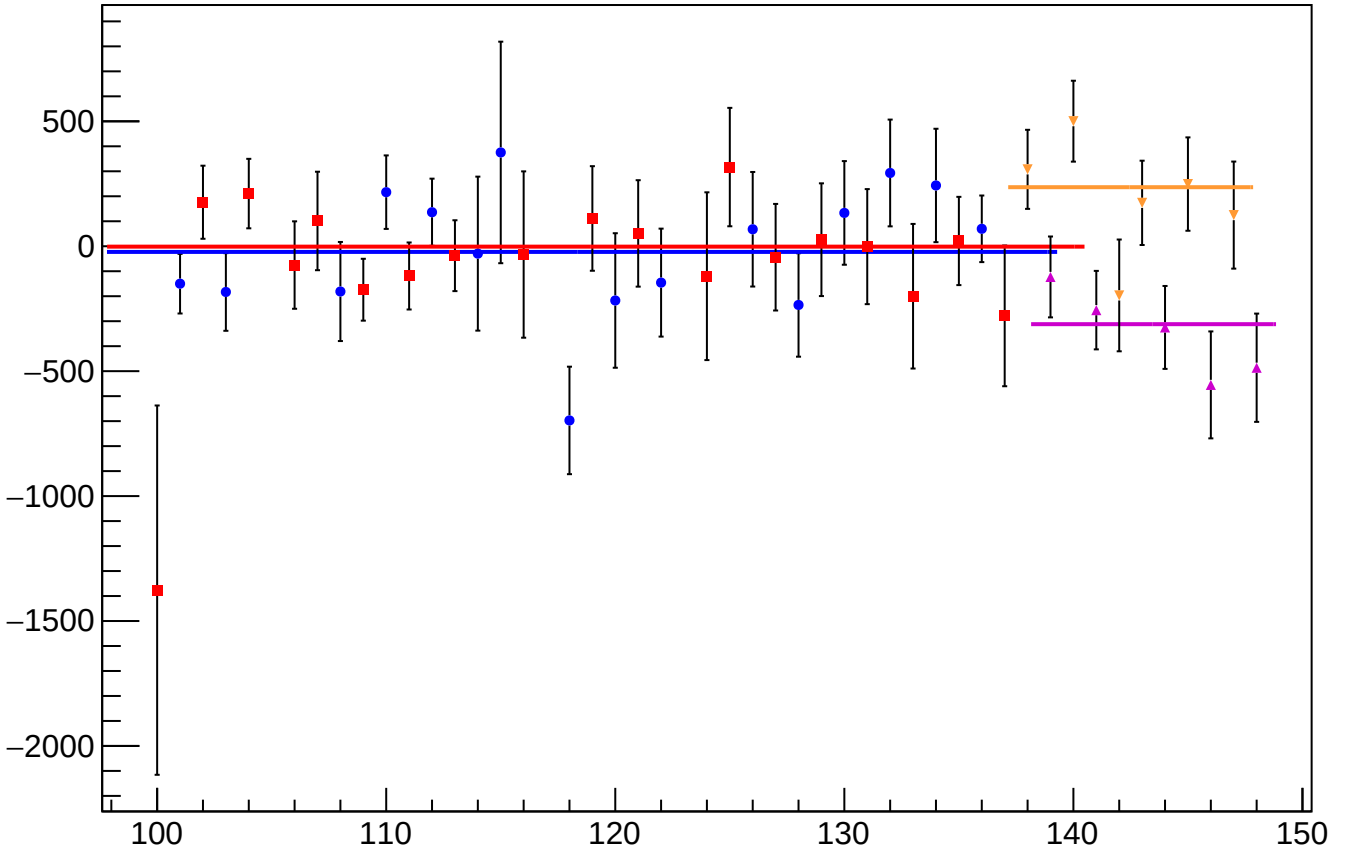
Left In: 1053.143+/-0.363 χ^2/NDF:263238.5/4

+ sign 653.429+/-0.152 χ^2/NDF: 4849075.5/21

All: 660.667+/-0.108 χ^2/NDF: 9593470.2/45

- sign 668.135+/-0.154 χ^2/NDF: 4739764.6/23

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

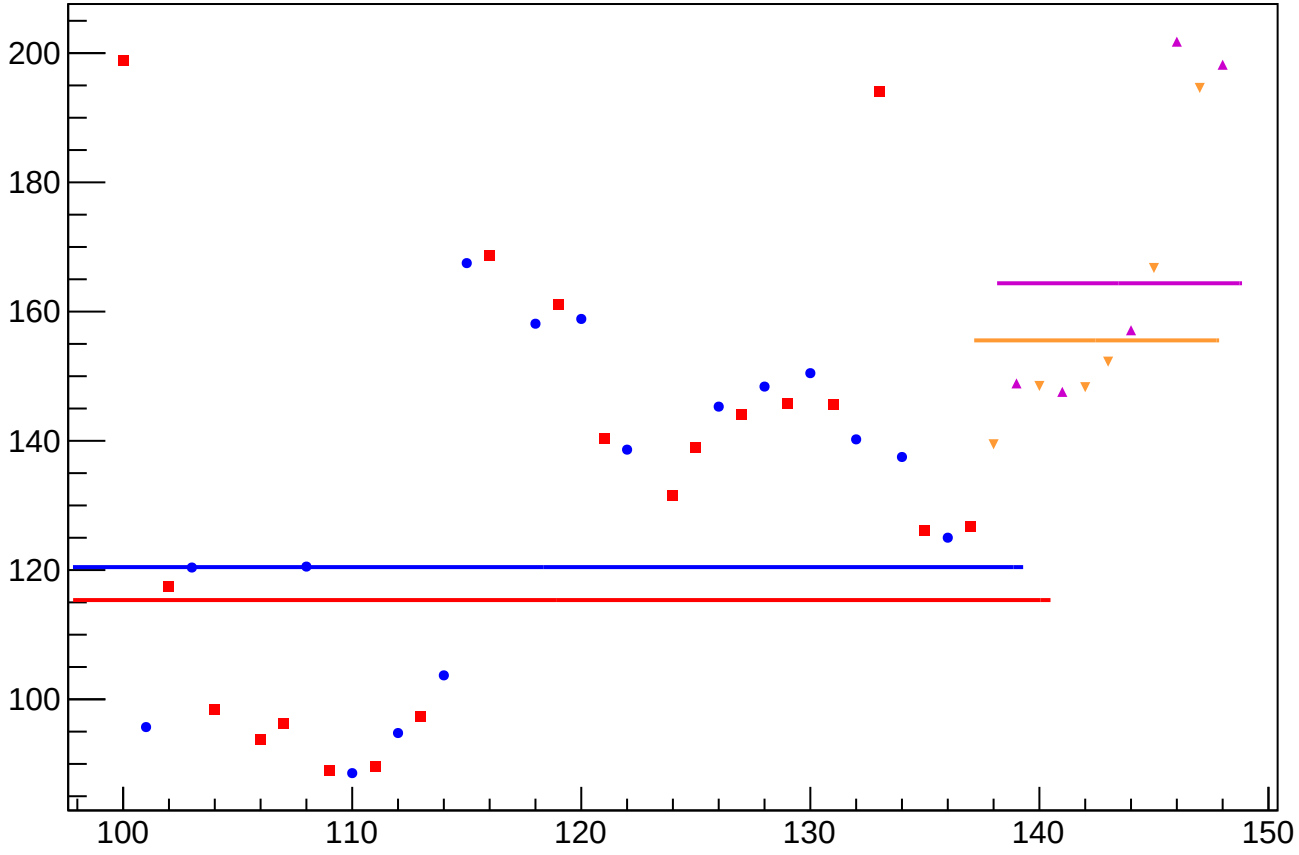
Left In: -311.910+/-79.516 χ^2/NDF:3.4/4

+ sign 49.586+/-38.981 χ^2/NDF: 40.1/21

All: -13.059+/-27.285 χ^2/NDF: 74.6/45

- sign -73.236+/-38.205 χ^2/NDF: 29.4/23

eigen_dit_asym_sam6_rms vs Slug



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

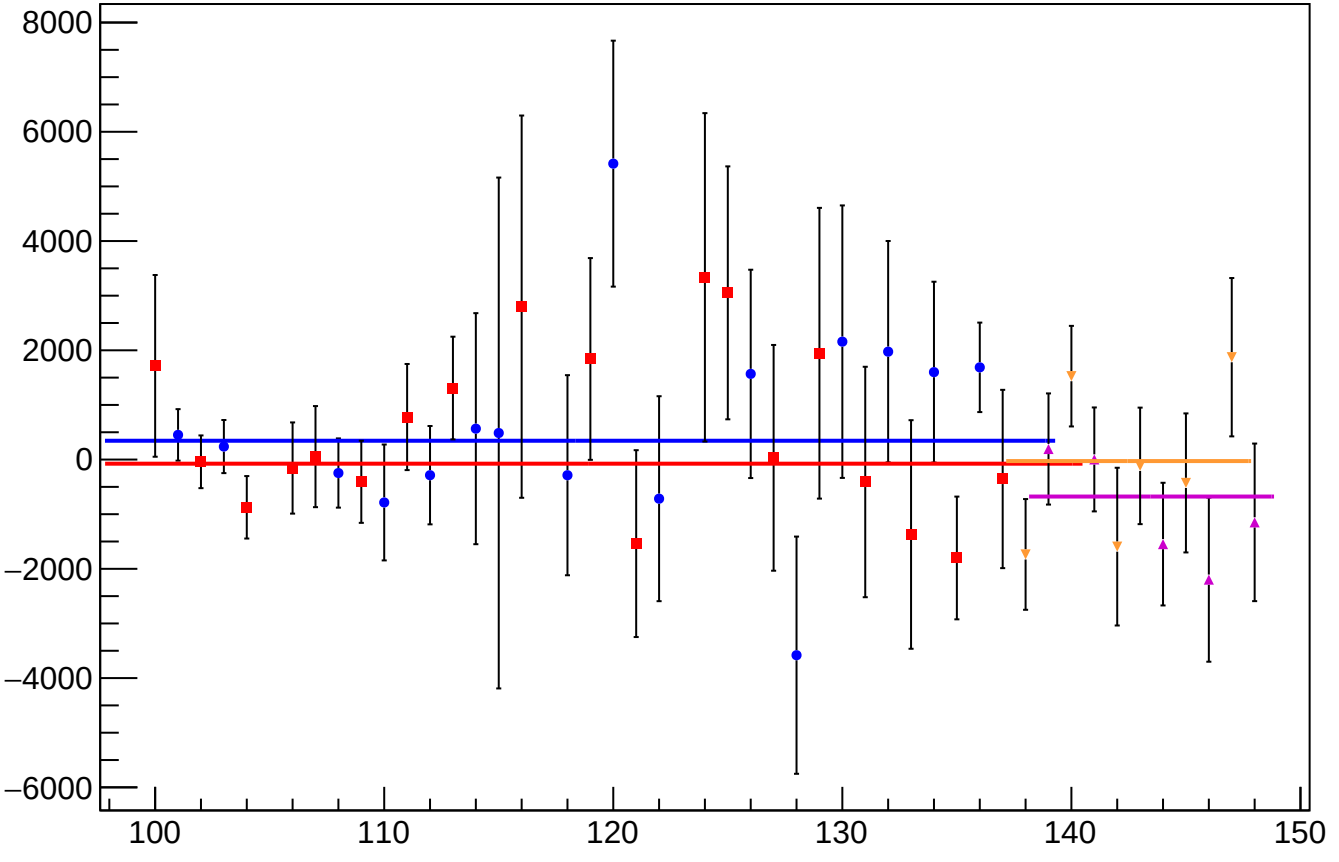
Left In: 164.383+/-0.056 χ^2/NDF:154829.5/4

\+ sign 130.248+/-0.028 χ^2/NDF: 957309.6/21

All: 128.425+/-0.019 χ^2/NDF: 2472728.6/45

\- sign 126.675+/-0.027 χ^2/NDF: 1506846.3/23

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

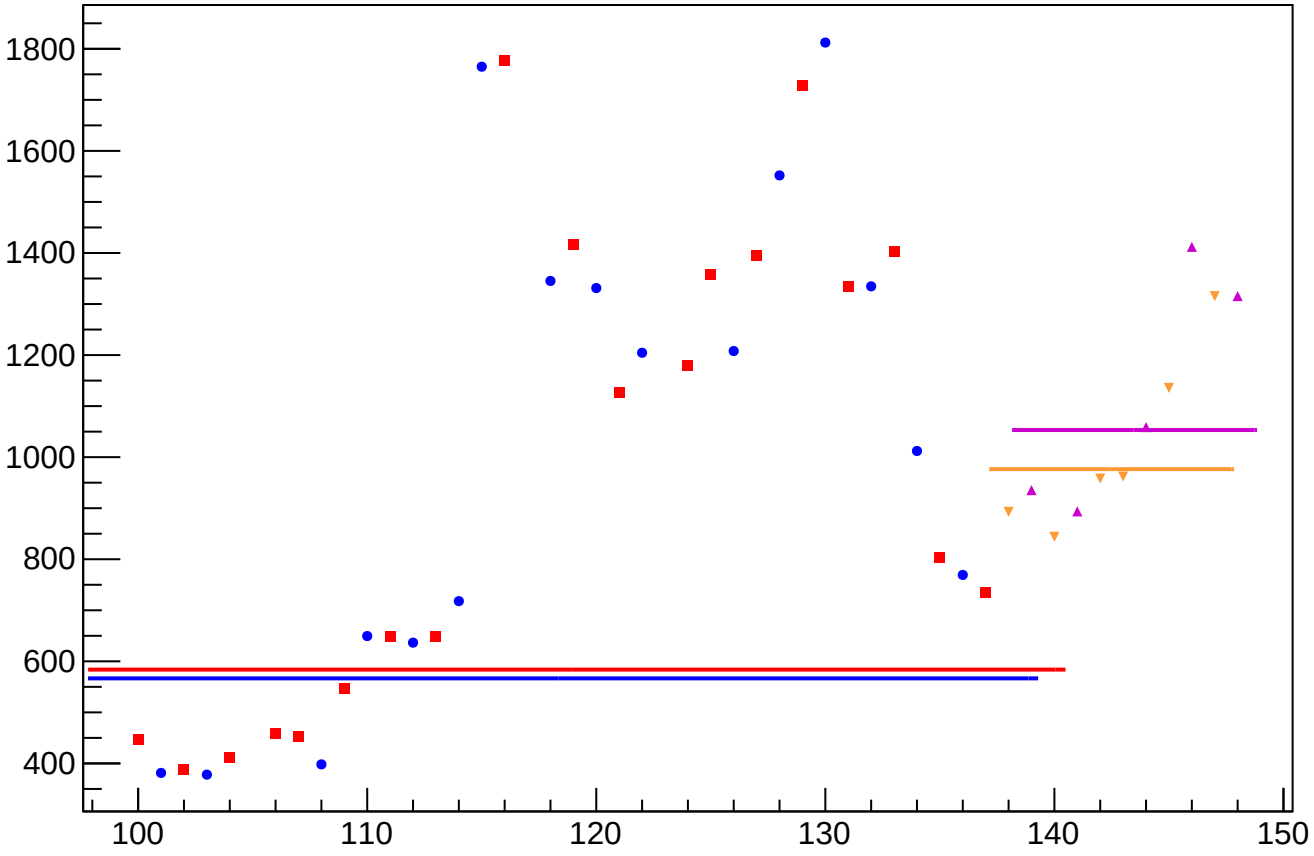
Left In: -676.839+/-513.800 χ^2/NDF:3.0/4

+ sign 265.615+/-214.432 χ^2/NDF: 25.4/21

All: 44.557+/-152.804 χ^2/NDF: 47.0/45

- sign -183.506+/-217.803 χ^2/NDF: 19.4/23

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

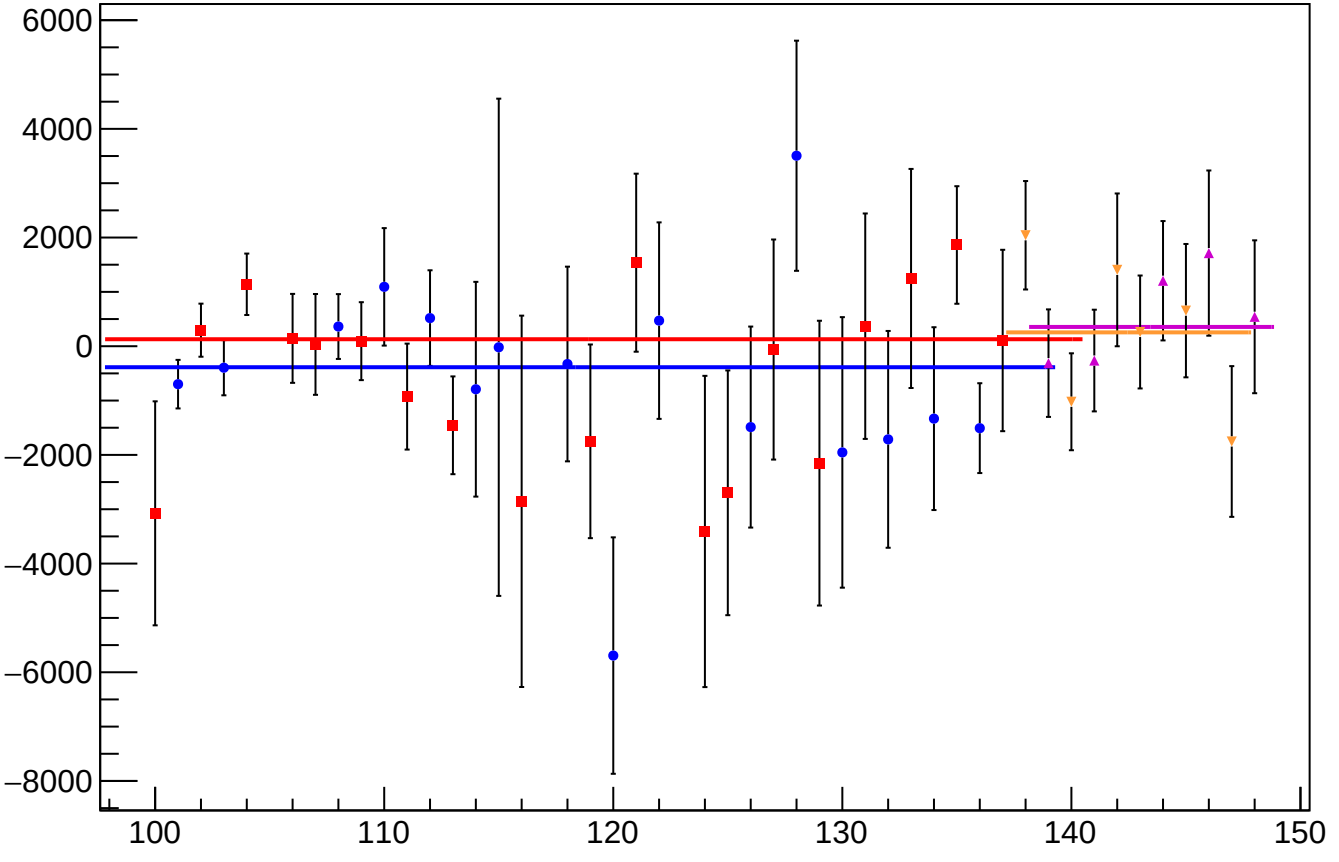
Left In: 1053.142+/-0.363 χ^2/NDF:263239.1/4

+ sign 653.428+/-0.152 χ^2/NDF: 4849080.4/21

All: 660.666+/-0.108 χ^2/NDF: 9593475.9/45

- sign 668.134+/-0.154 χ^2/NDF: 4739765.3/23

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

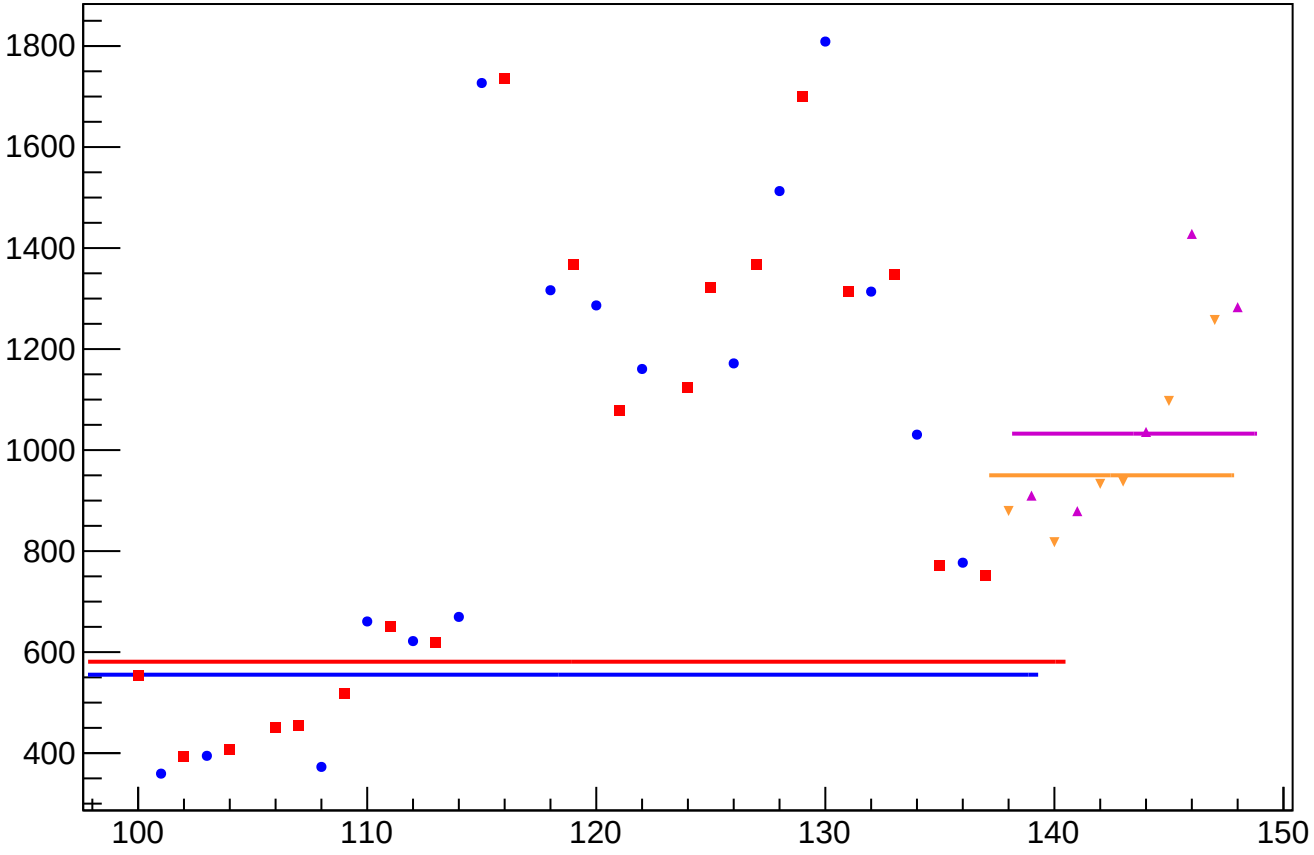
Left In: 354.916+/-504.356 χ^2/NDF:2.3/4

+ sign -248.152+/-210.340 χ^2/NDF: 27.6/21

All: -44.124+/-150.496 χ^2/NDF: 51.4/45

- sign 169.872+/-215.417 χ^2/NDF: 21.9/23

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

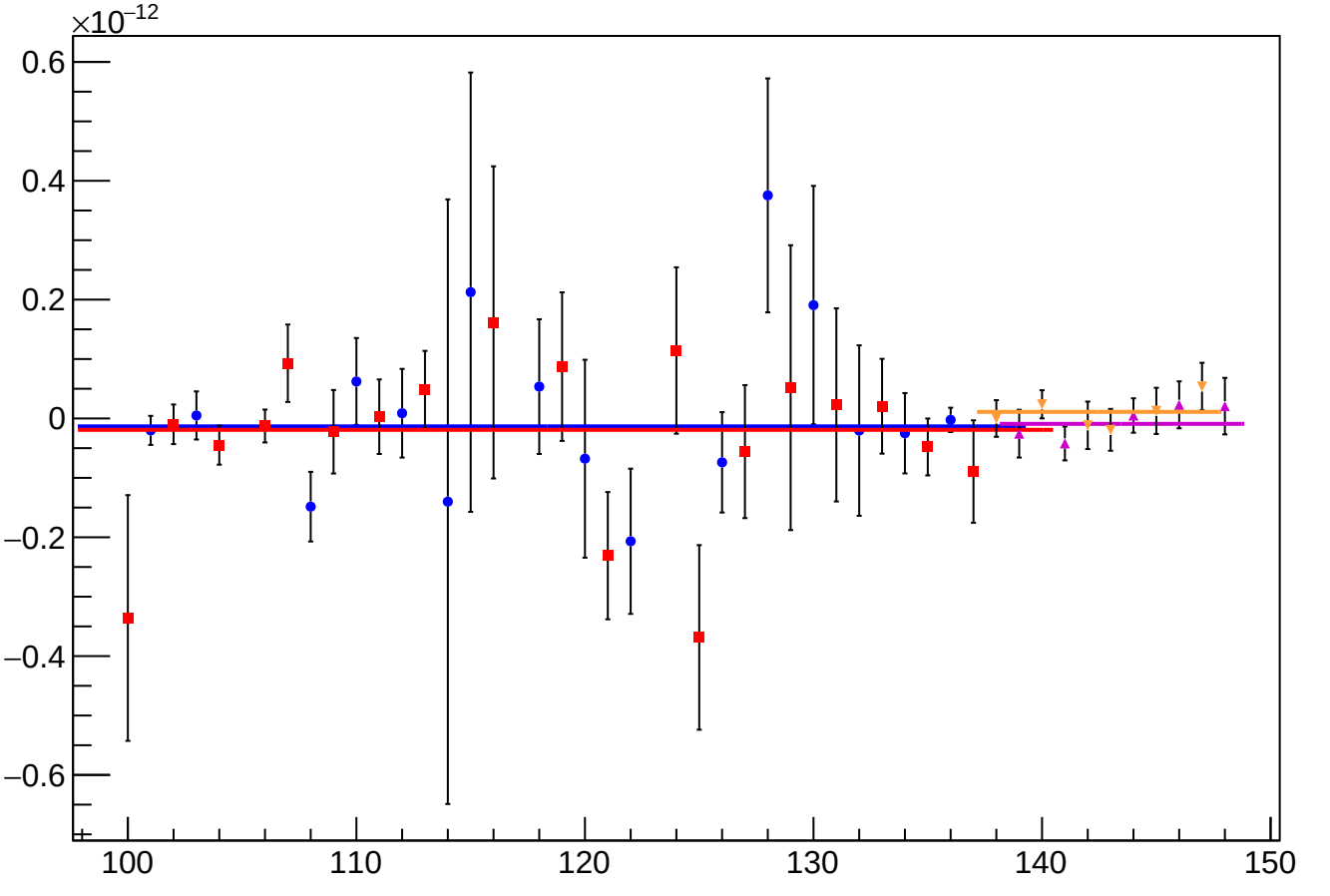
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1032.551+/-0.357 χ^2/NDF:283332.3/4

+ sign 640.489+/-0.149 χ^2/NDF: 4856742.5/21

All: 651.657+/-0.106 χ^2/NDF: 9445892.5/45

- sign 663.371+/-0.152 χ^2/NDF: 4577598.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

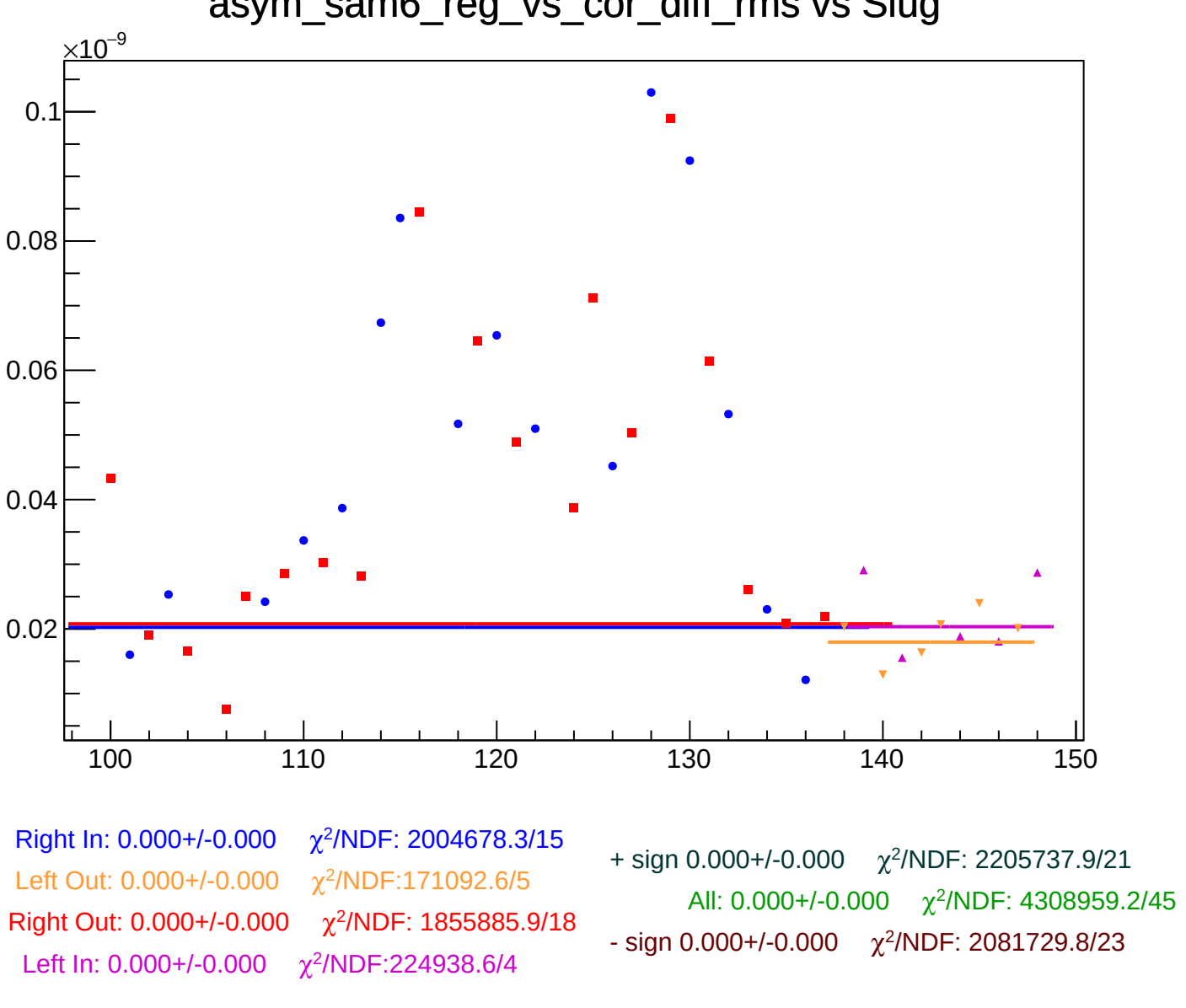
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

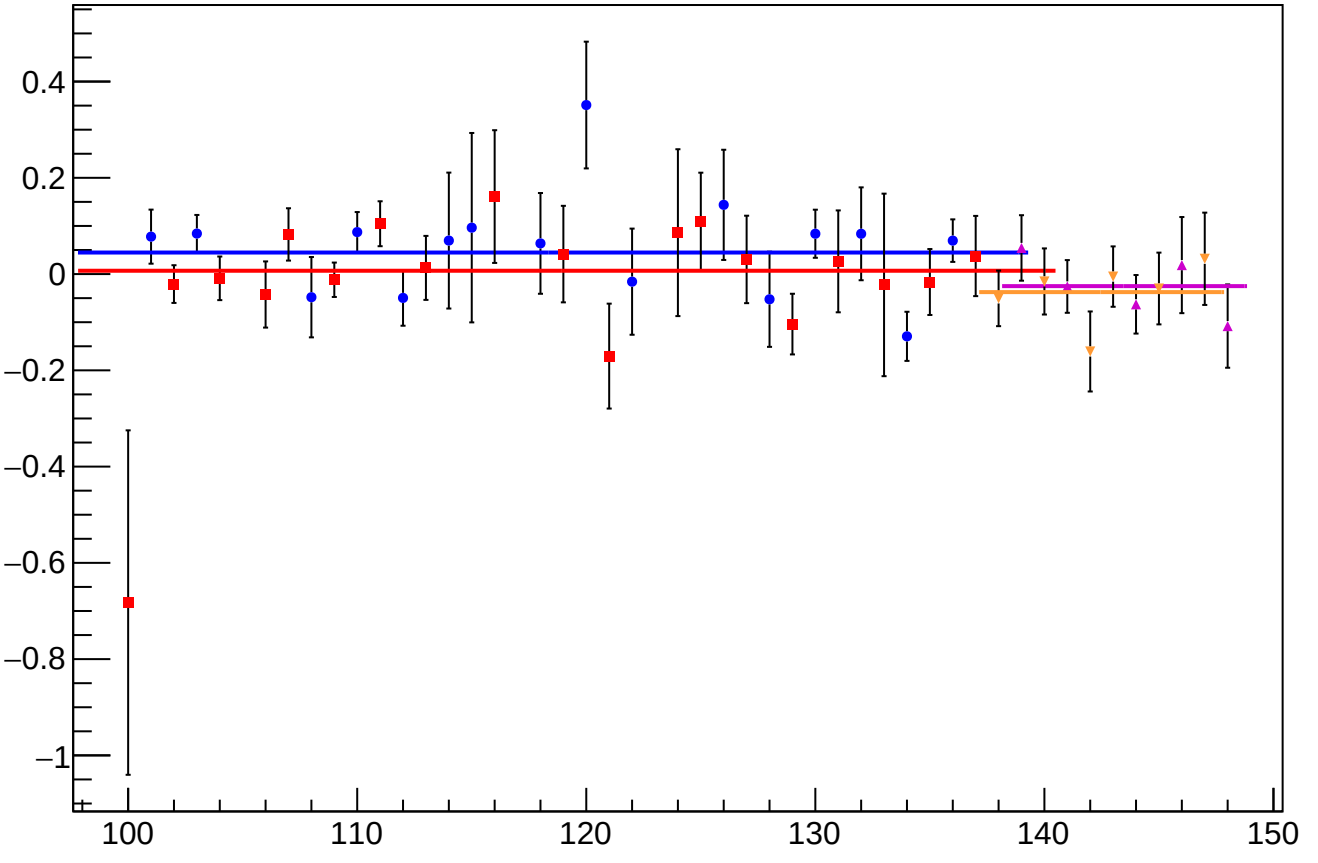
+ sign -0.000+/-0.000 χ^2/NDF: 20.2/21

All: -0.000+/-0.000 χ^2/NDF: 44.0/45

- sign -0.000+/-0.000 χ^2/NDF: 22.9/23


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:171092.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:224938.6/4
+ sign 0.000+/-0.000 χ²/NDF: 2205737.9/21
All: 0.000+/-0.000 χ²/NDF: 4308959.2/45
- sign 0.000+/-0.000 χ²/NDF: 2081729.8/23

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

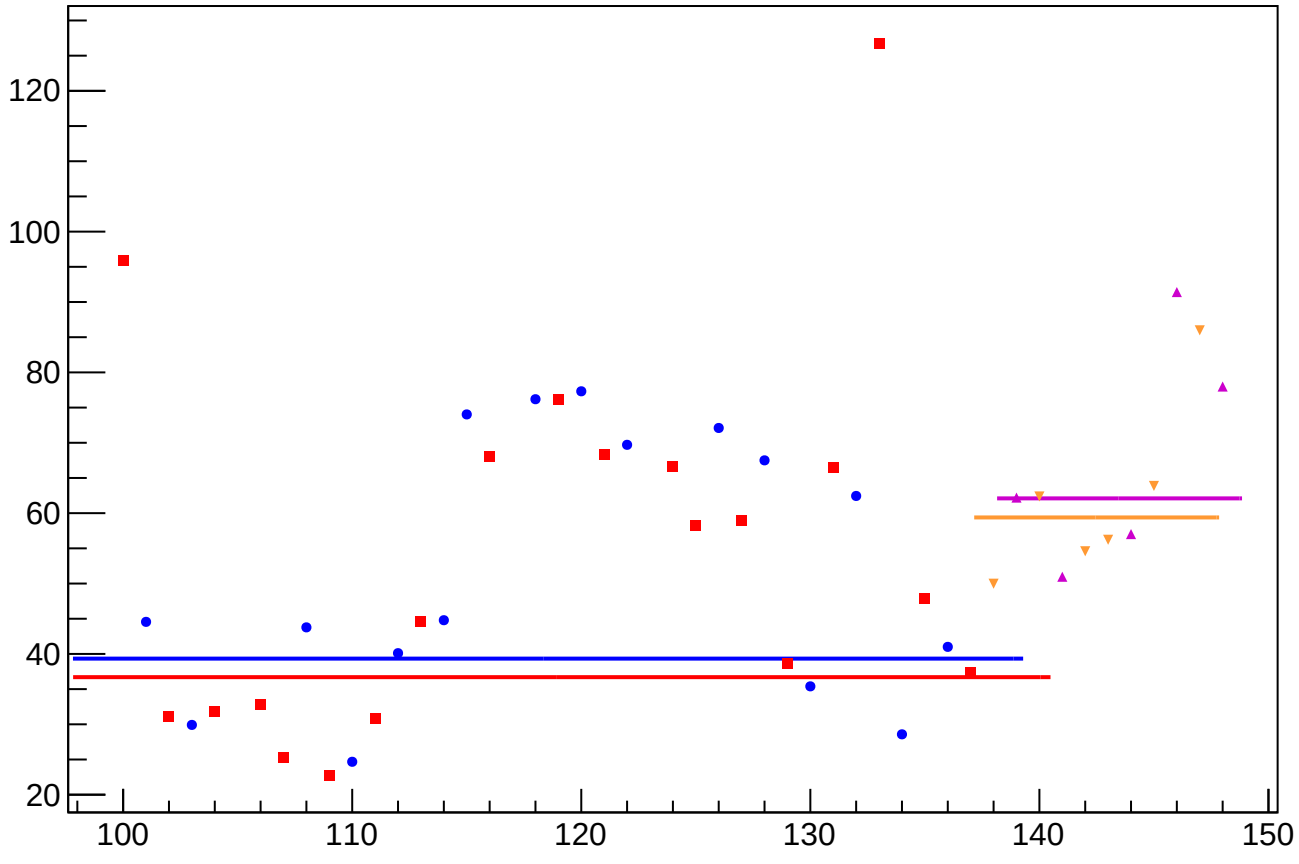
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.013+/-0.010 χ^2/NDF: 61.5/45

- sign 0.001+/-0.014 χ^2/NDF: 23.9/23



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

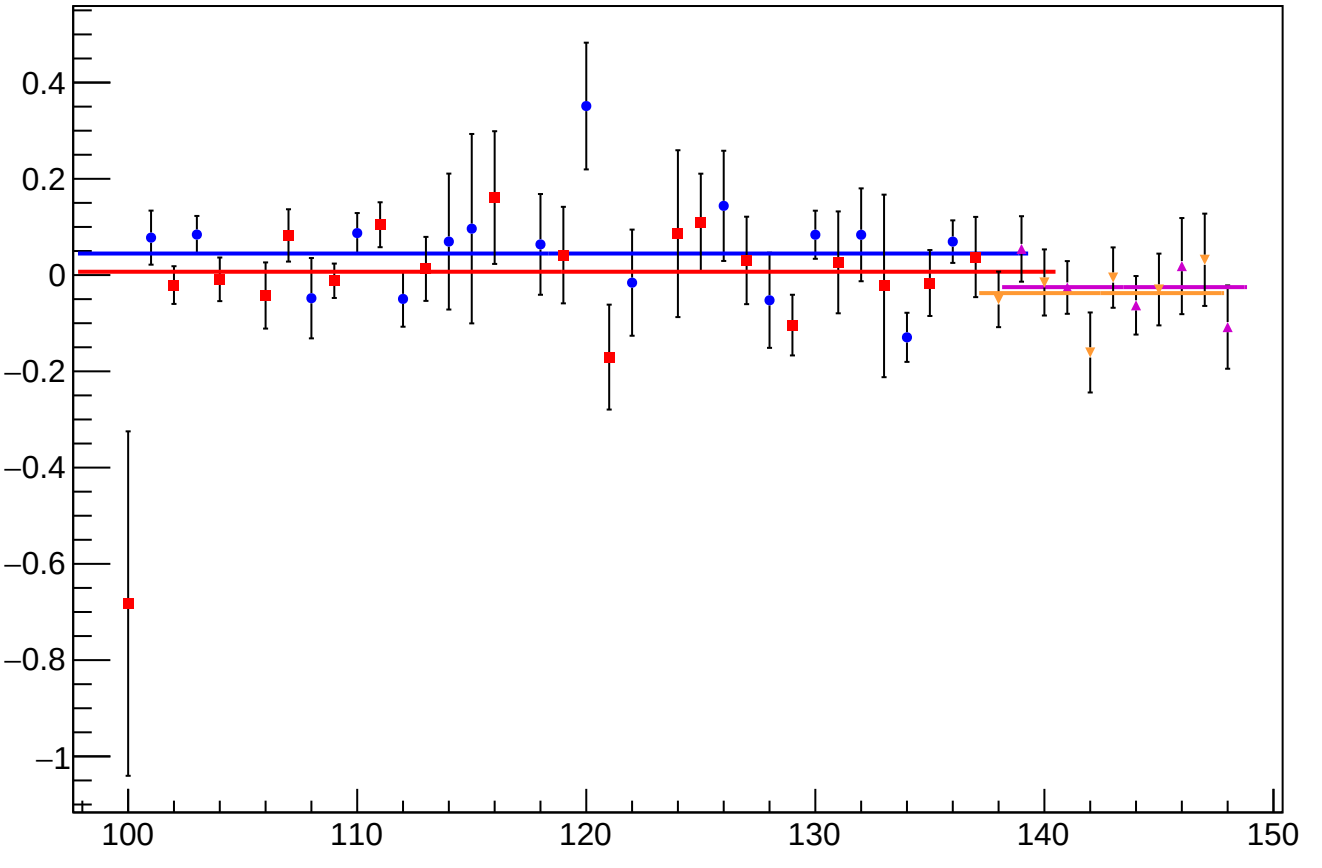
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

+ sign 44.057+/-0.010 χ^2/NDF: 2534294.8/21

All: 42.803+/-0.007 χ^2/NDF: 6094553.2/45

- sign 41.626+/-0.010 χ^2/NDF: 3529181.2/23



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

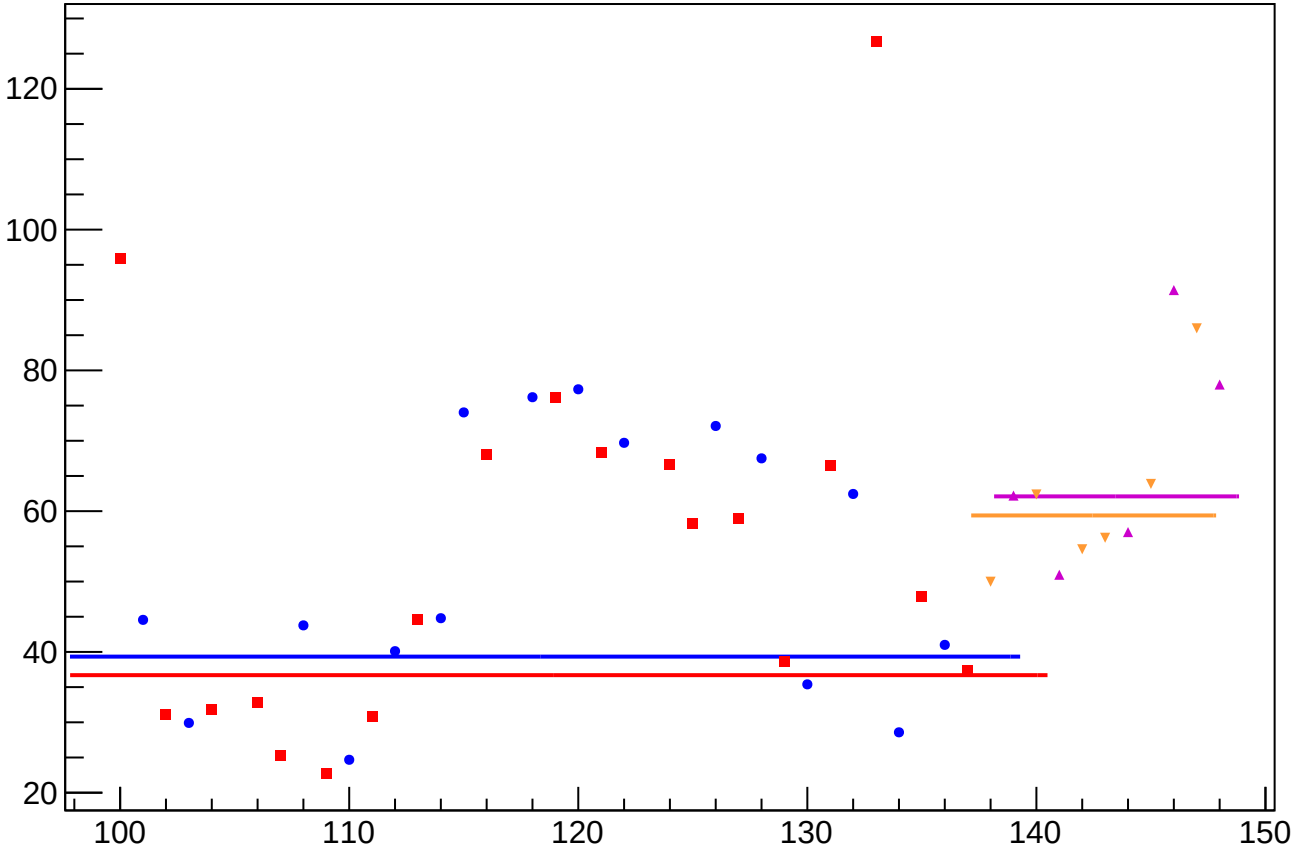
Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.013+/-0.010 χ^2/NDF: 61.5/45

- sign 0.001+/-0.014 χ^2/NDF: 23.9/23

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

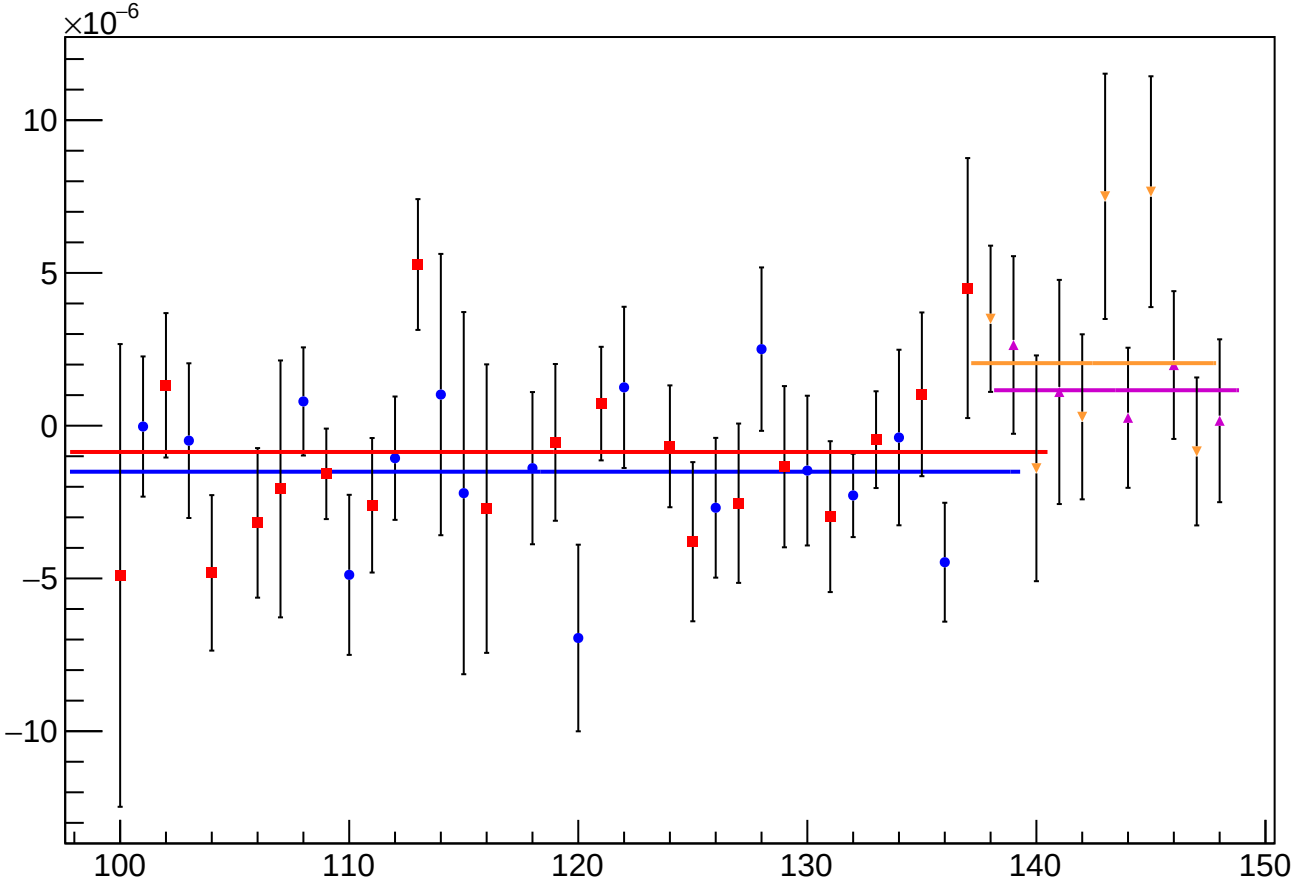
Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

+ sign 44.057+/-0.010 χ^2/NDF: 2534294.8/21

All: 42.803+/-0.007 χ^2/NDF: 6094553.2/45

- sign 41.626+/-0.010 χ^2/NDF: 3529181.2/23

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



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

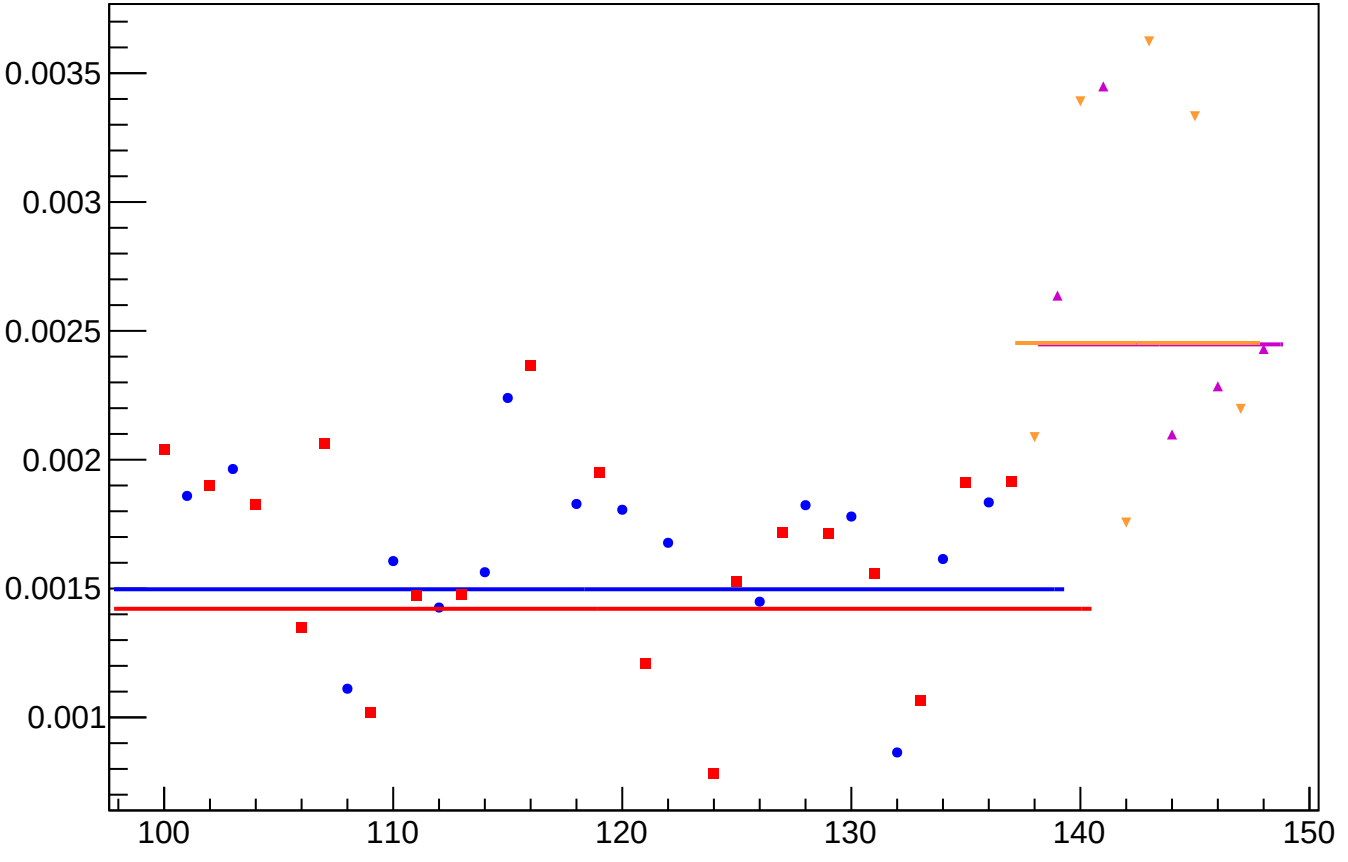
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/21

All: -0.000+/-0.000 χ^2/NDF: 50.4/45

- sign -0.000+/-0.000 χ^2/NDF: 22.1/23

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:609344.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

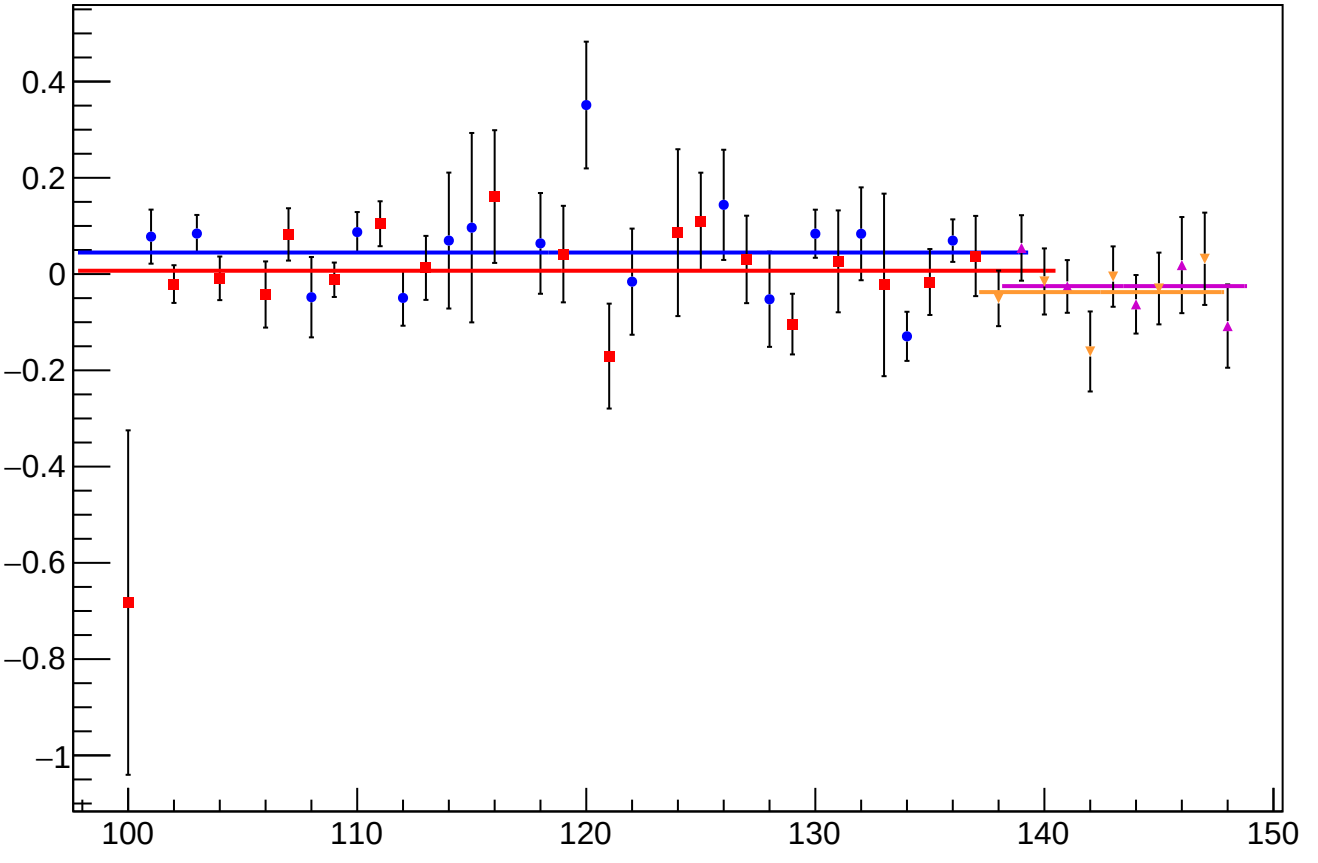
Left In: 0.002+/-0.000 χ^2/NDF:213067.2/4

+ sign 0.002+/-0.000 χ^2/NDF: 2496323.0/21

All: 0.002+/-0.000 χ^2/NDF: 4946554.8/45

- sign 0.002+/-0.000 χ^2/NDF: 2424859.9/23

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

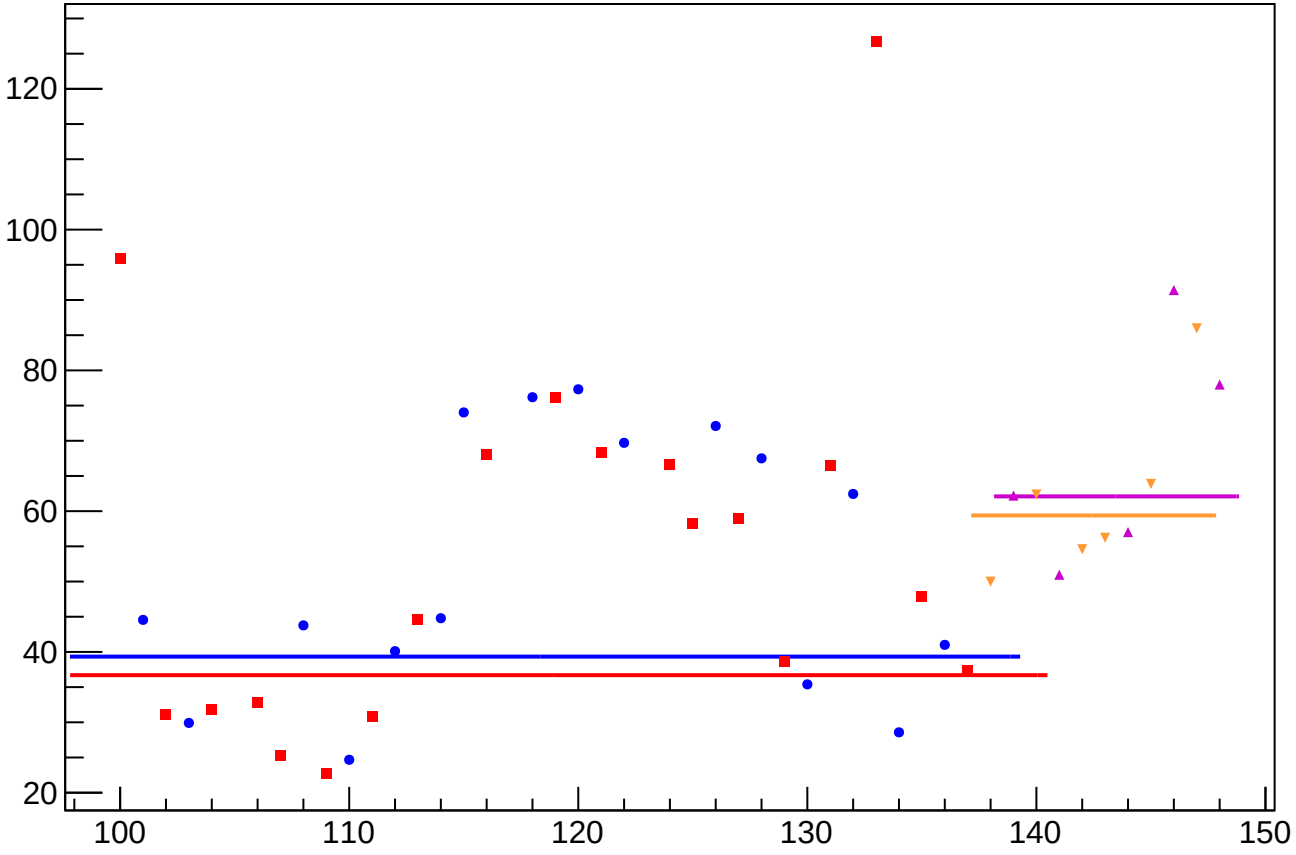
Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.013+/-0.010 χ^2/NDF: 61.5/45

- sign 0.001+/-0.014 χ^2/NDF: 23.9/23

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

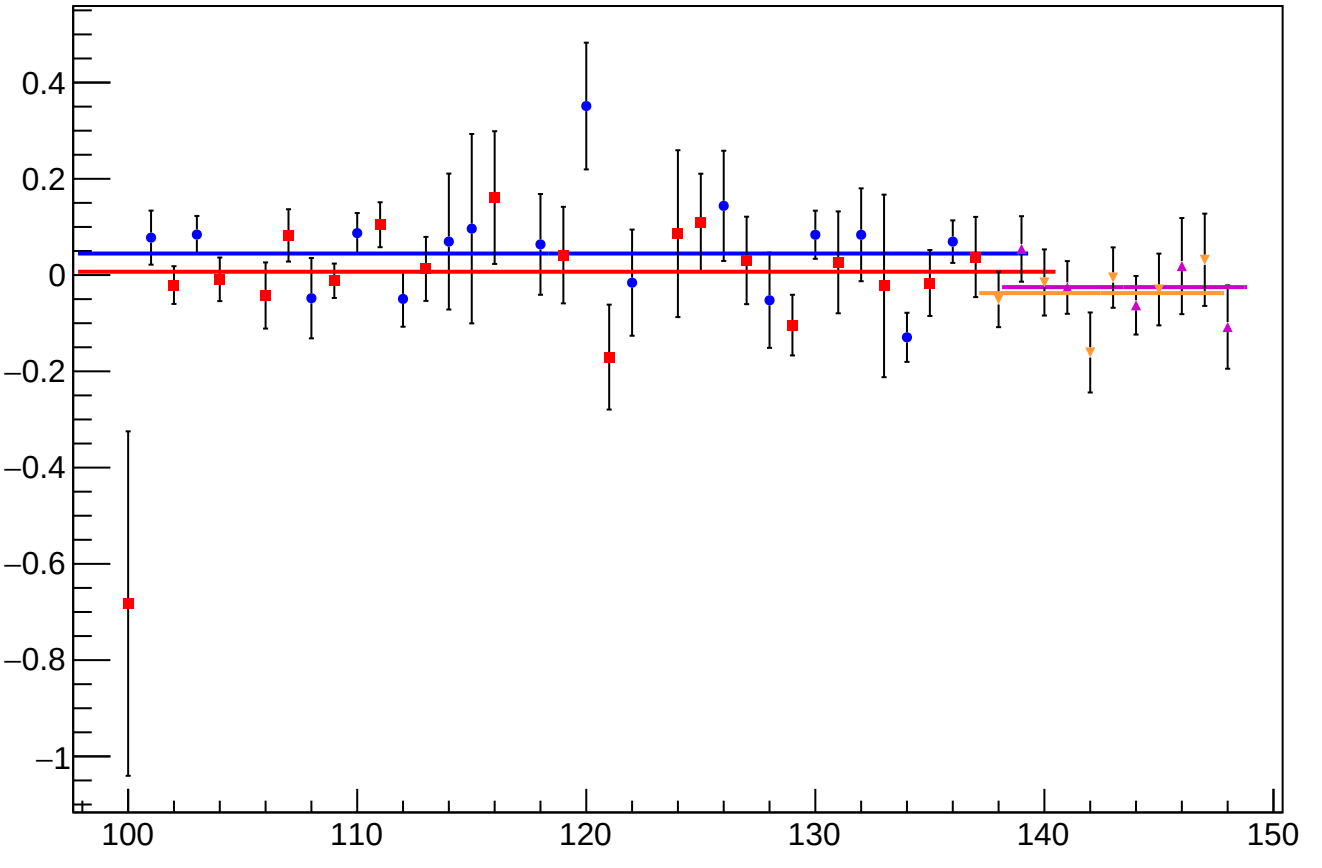
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

+ sign 44.057+/-0.010 χ^2/NDF: 2534314.0/21

All: 42.802+/-0.007 χ^2/NDF: 6094554.0/45

- sign 41.626+/-0.010 χ^2/NDF: 3529168.6/23



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

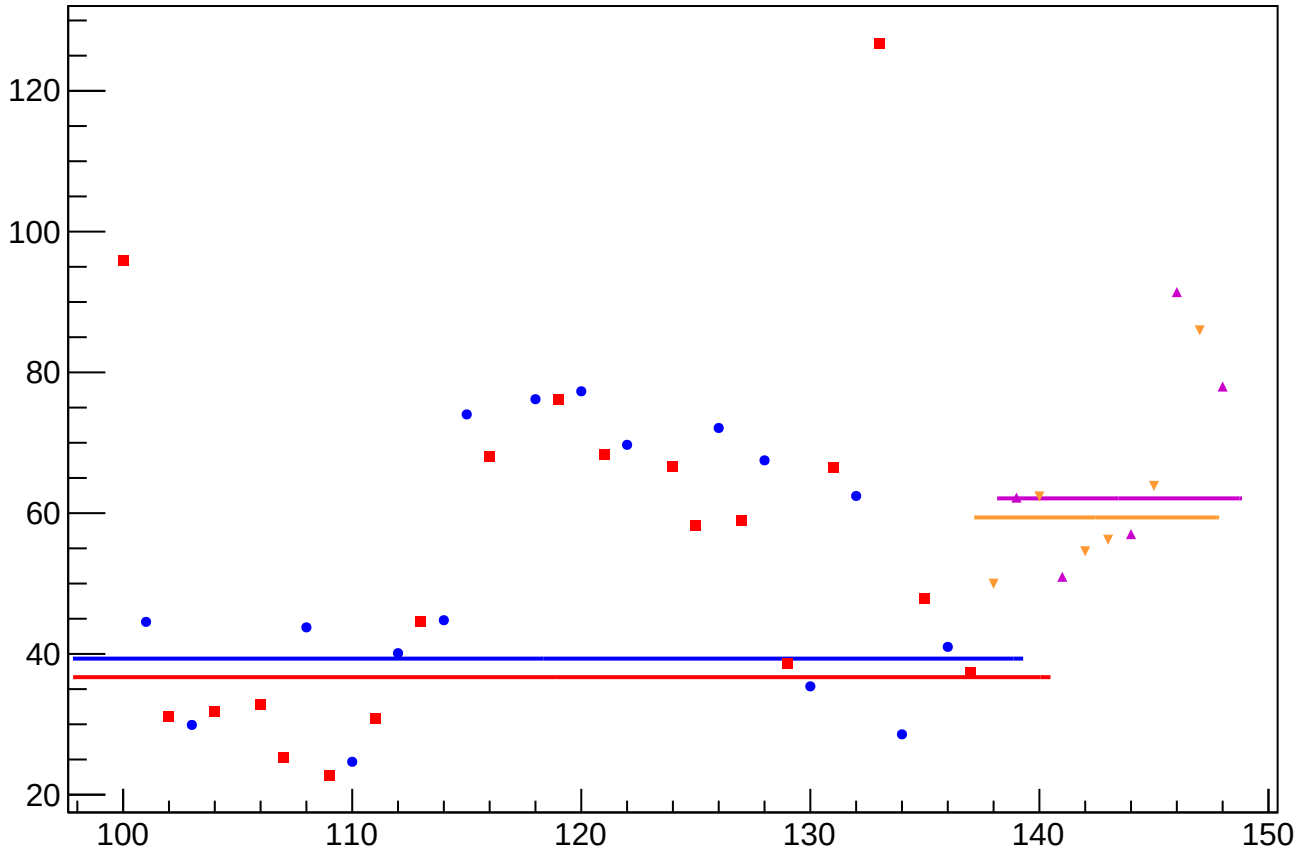
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/21

All: 0.013+/-0.010 χ^2/NDF: 61.5/45

- sign 0.001+/-0.014 χ^2/NDF: 23.9/23



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

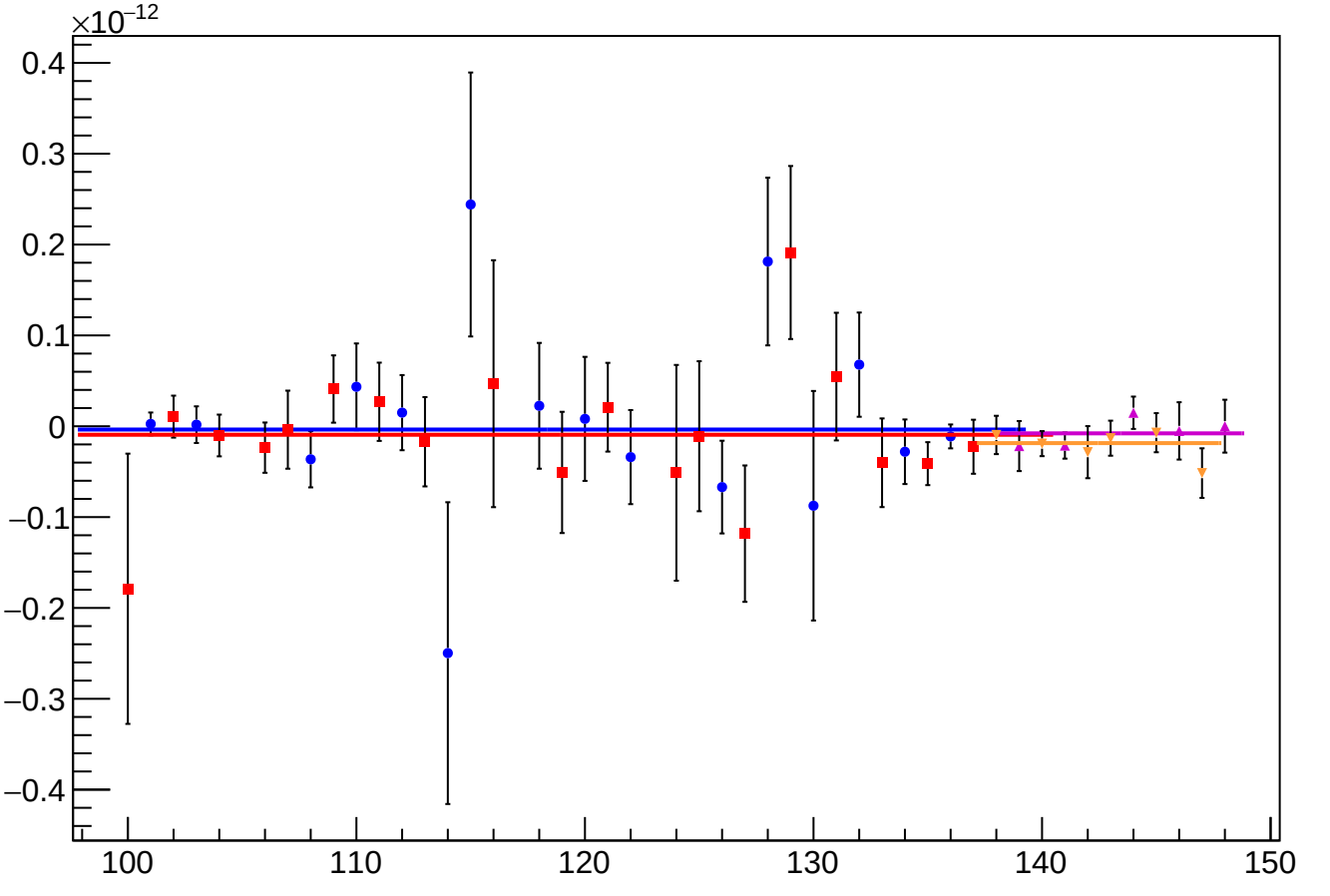
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

+ sign 44.057+/-0.010 χ^2/NDF: 2534314.0/21

All: 42.802+/-0.007 χ^2/NDF: 6094554.0/45

- sign 41.626+/-0.010 χ^2/NDF: 3529168.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/5

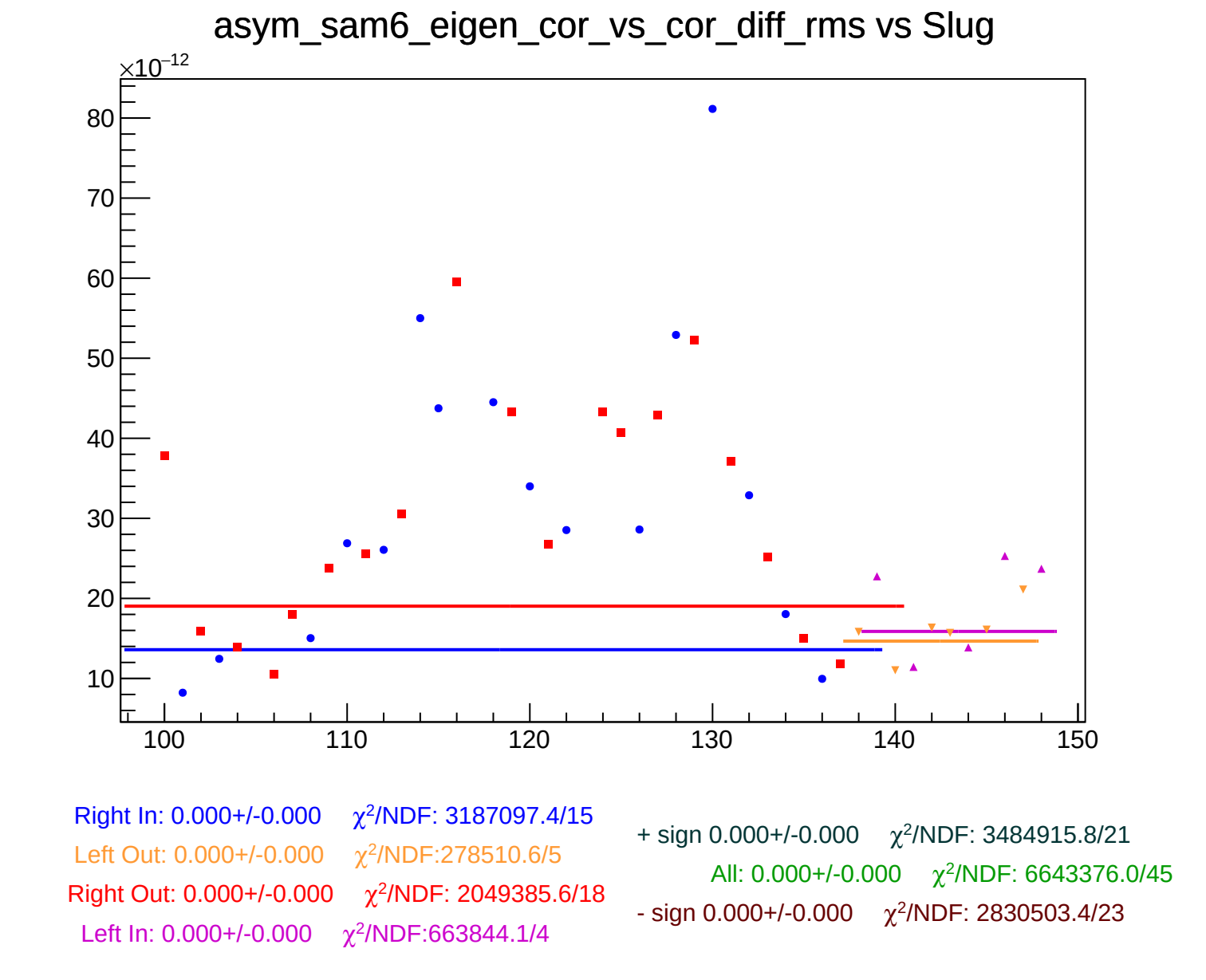
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

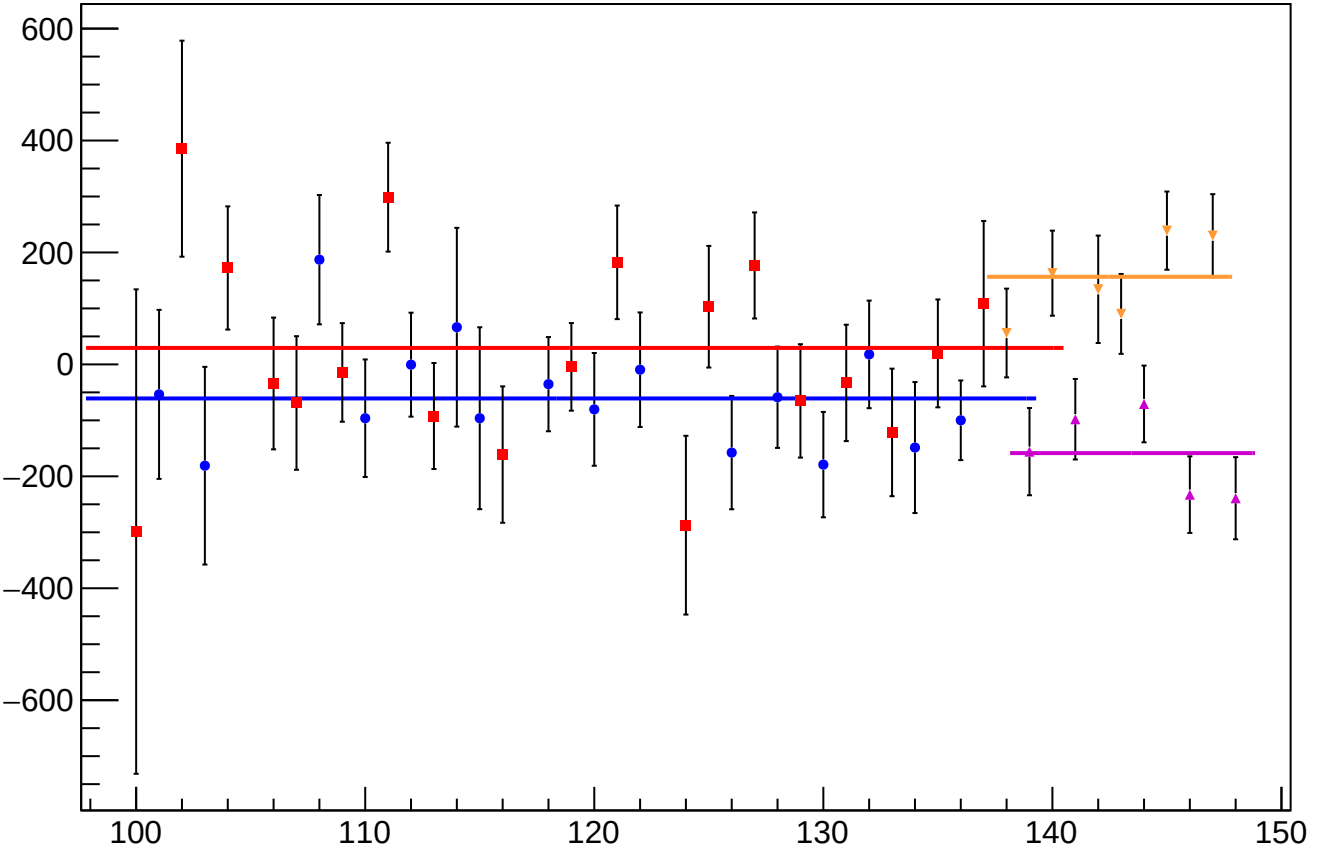
+ sign -0.000+/-0.000 χ^2/NDF: 20.6/21

All: -0.000+/-0.000 χ^2/NDF: 39.2/45

- sign -0.000+/-0.000 χ^2/NDF: 18.6/23


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:278510.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:663844.1/4
+ sign 0.000+/-0.000 χ²/NDF: 3484915.8/21
All: 0.000+/-0.000 χ²/NDF: 6643376.0/45
- sign 0.000+/-0.000 χ²/NDF: 2830503.4/23

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

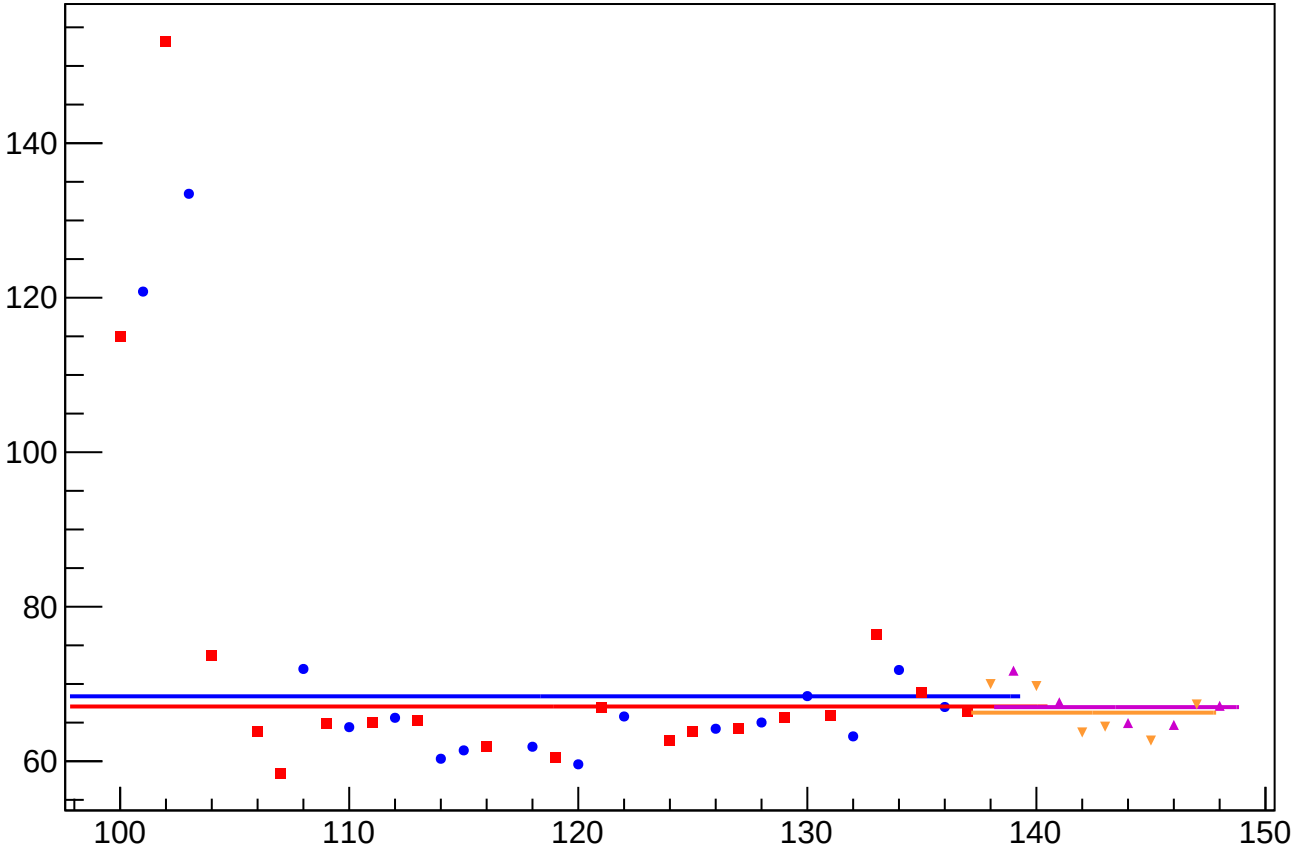
Left In: -158.481+/-32.111 χ^2/NDF:4.7/4

+ sign 28.272+/-20.012 χ^2/NDF: 44.0/21

All: -7.199+/-14.067 χ^2/NDF: 107.4/45

- sign -41.844+/-19.778 χ^2/NDF: 57.2/23

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

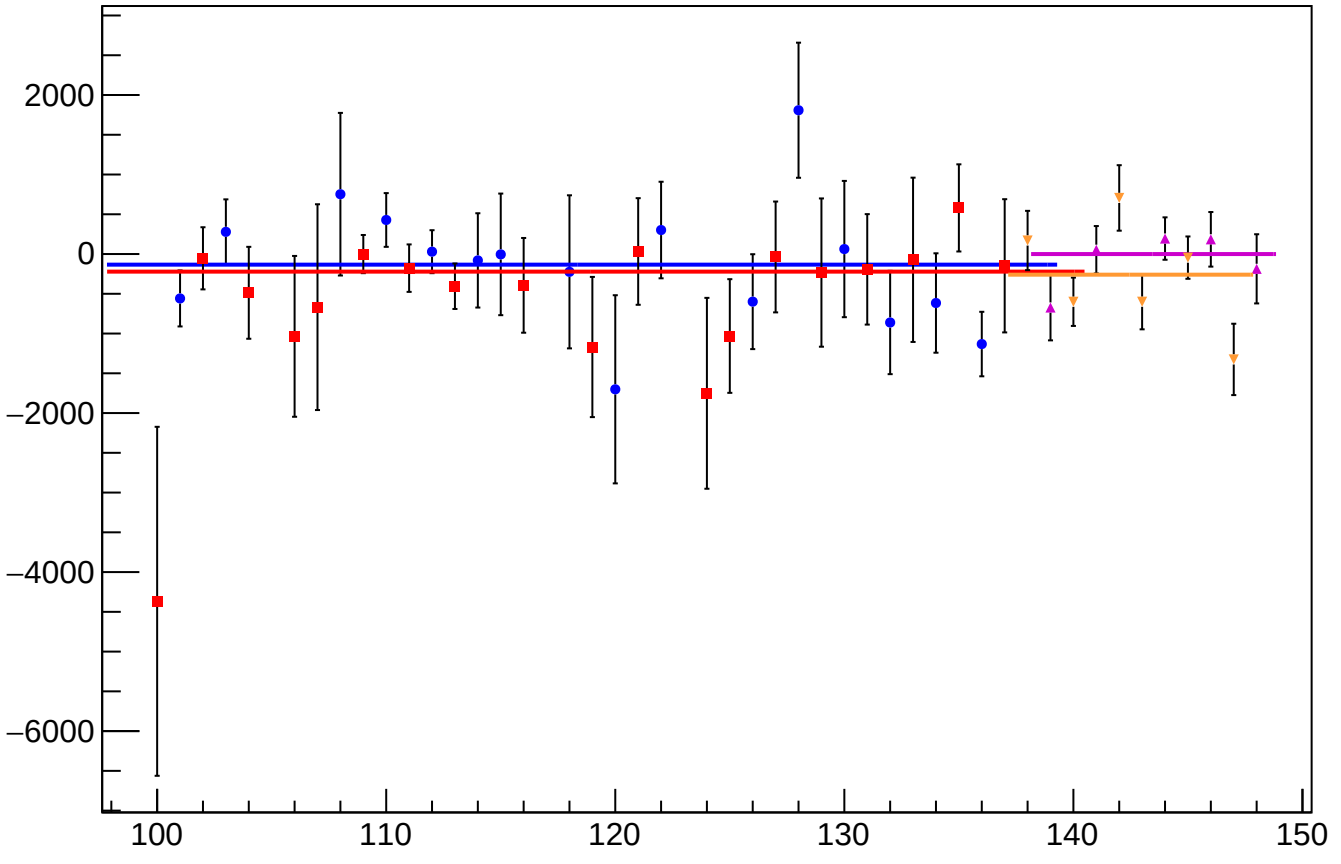
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.537+/-0.014 χ^2/NDF: 591875.1/21

All: 67.293+/-0.010 χ^2/NDF: 1085840.5/45

- sign 67.055+/-0.014 χ^2/NDF: 493379.3/23



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

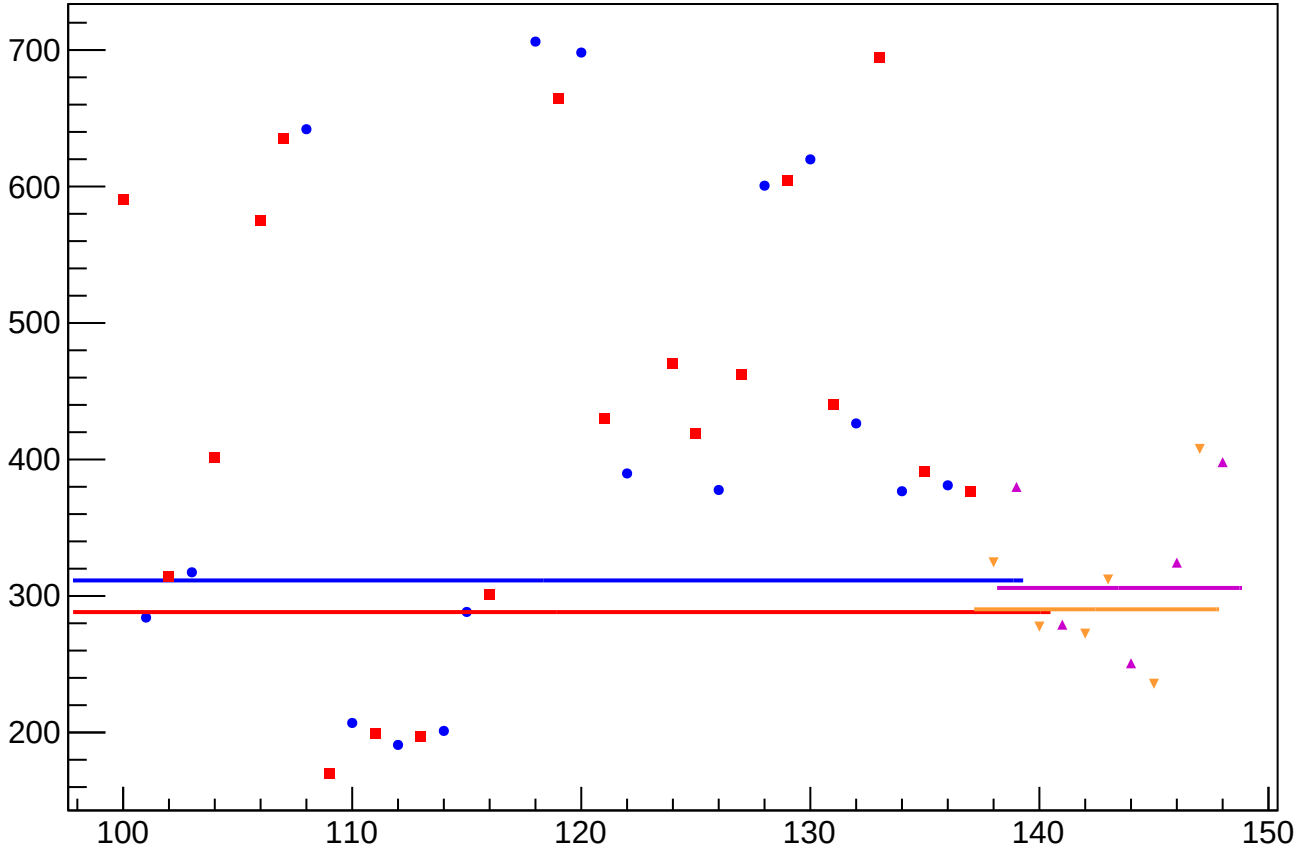
Left In: -0.354+/-149.173 χ^2/NDF:3.7/4

+ sign -190.118+/-93.511 χ^2/NDF: 38.2/21

All: -162.984+/-65.741 χ^2/NDF: 56.0/45

- sign -136.468+/-92.441 χ^2/NDF: 17.6/23

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

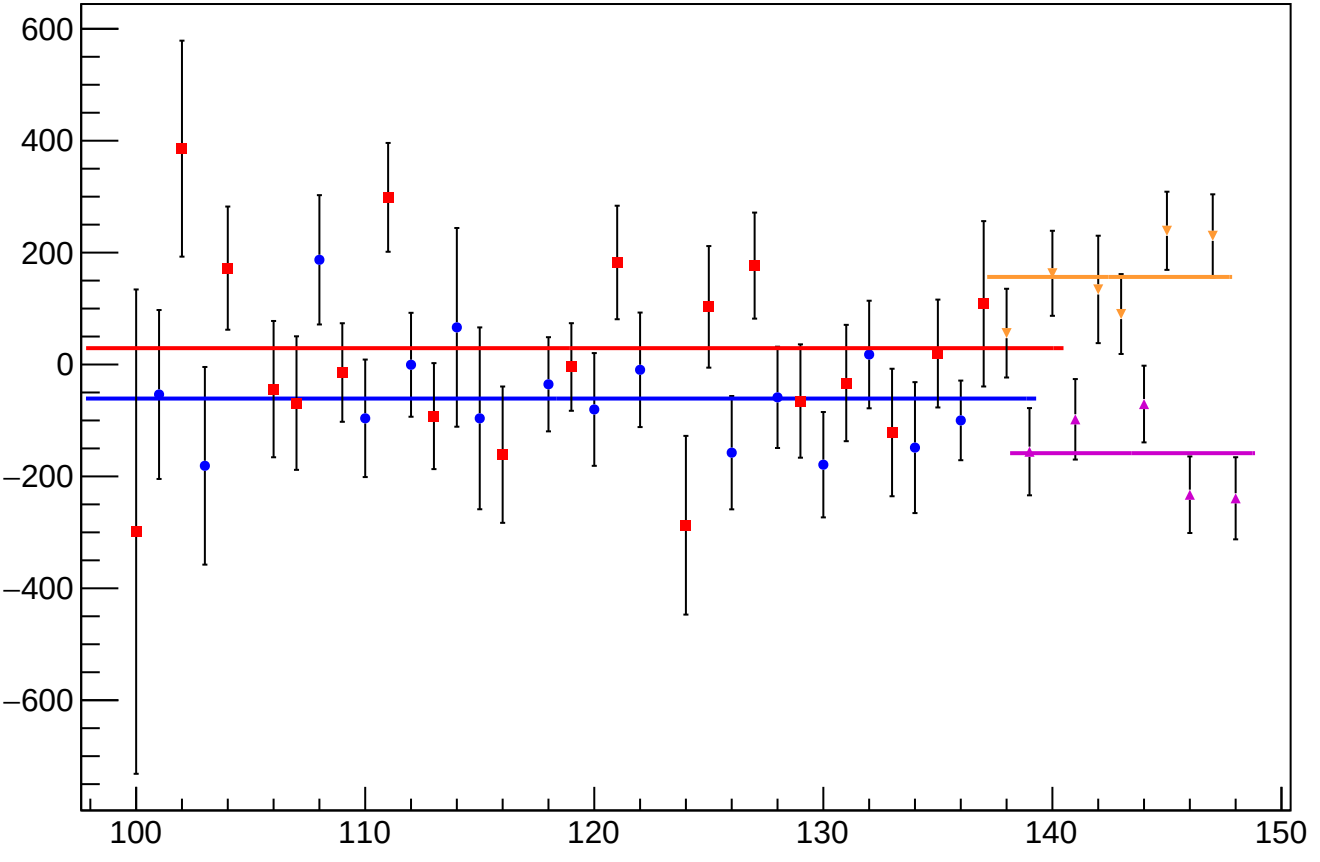
Left In: 305.891+/-0.105 χ^2/NDF:261755.0/4

+ sign 301.901+/-0.066 χ^2/NDF: 2402442.9/21

All: 298.409+/-0.046 χ^2/NDF: 5402410.6/45

- sign 294.997+/-0.065 χ^2/NDF: 2994454.0/23

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

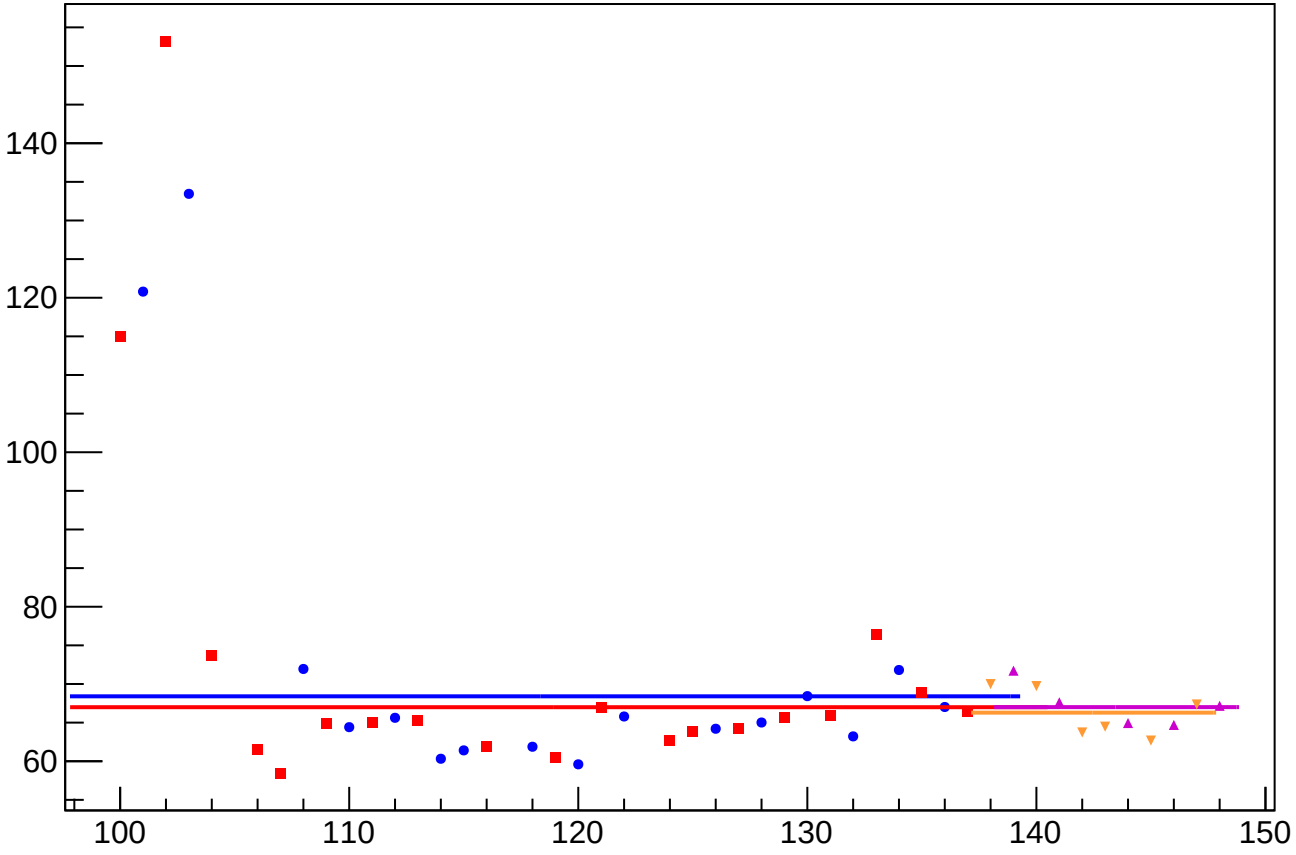
Left In: -158.477+/-32.111 χ^2/NDF:4.7/4

+ sign 28.271+/-20.012 χ^2/NDF: 44.0/21

All: -7.305+/-14.074 χ^2/NDF: 107.5/45

- sign -42.119+/-19.796 χ^2/NDF: 57.2/23

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

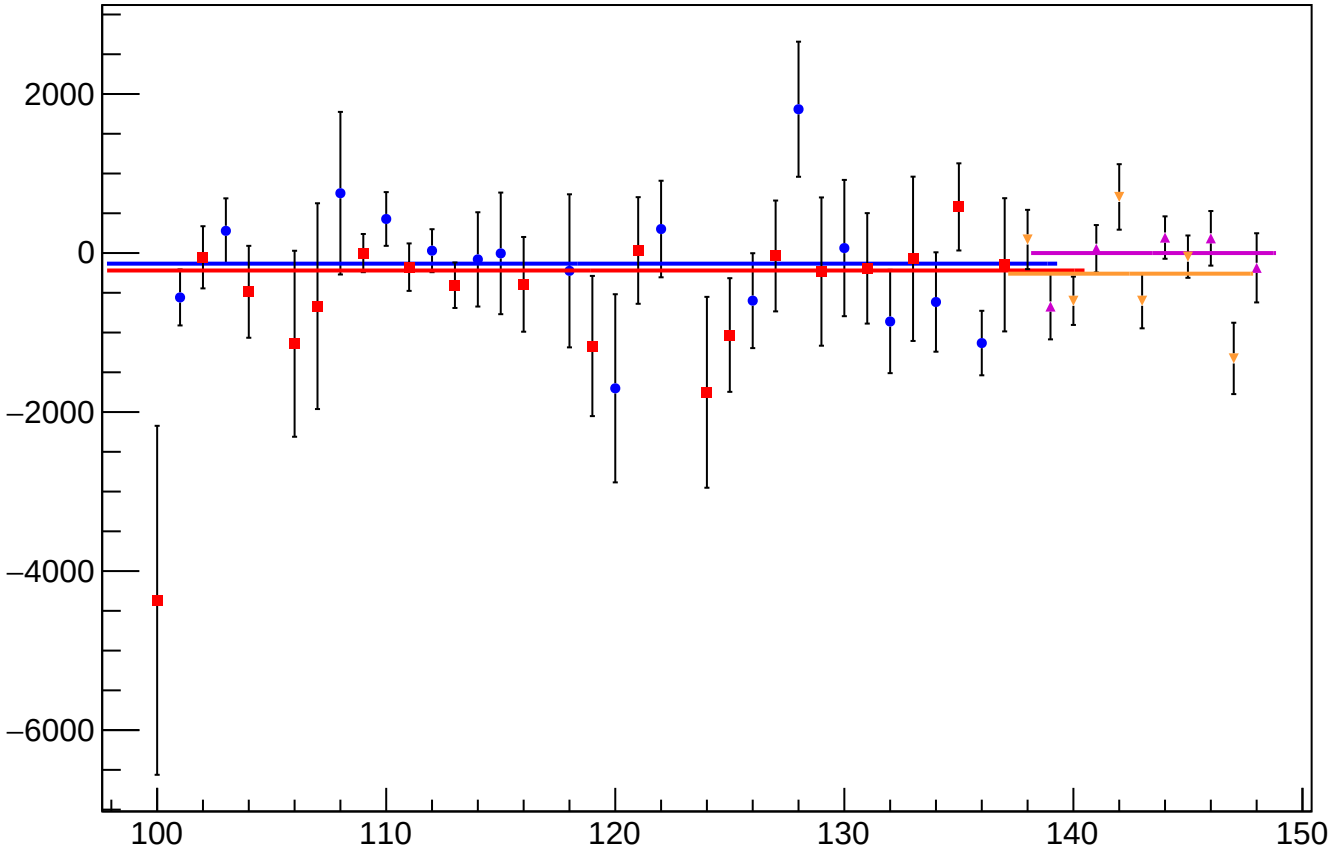
Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.537+/-0.014 χ^2/NDF: 591875.5/21

All: 67.265+/-0.010 χ^2/NDF: 1088650.7/45

- sign 66.999+/-0.014 χ^2/NDF: 496044.1/23

asym_sam7_cor_correction_mean vs Slug



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

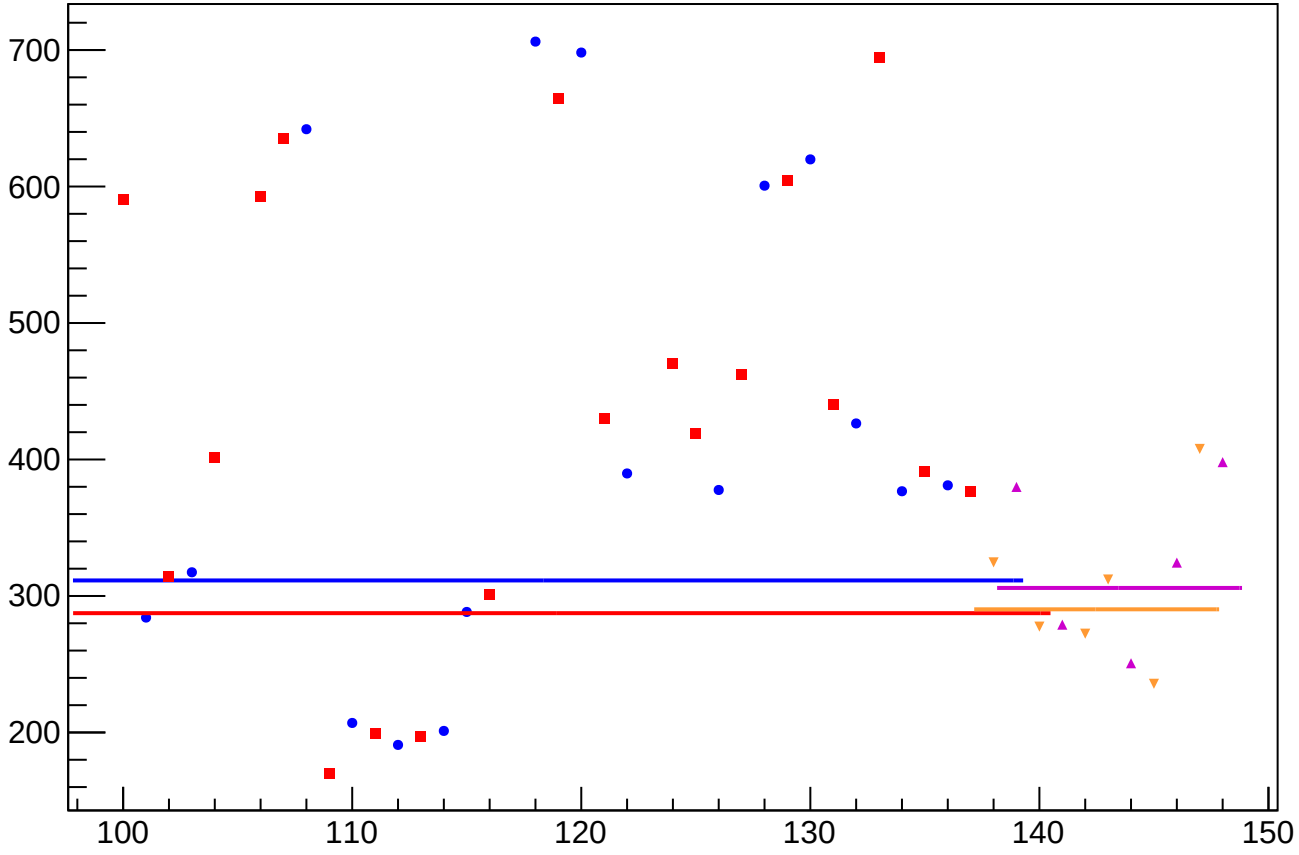
Left In: -0.349+/-149.173 χ^2/NDF:3.7/4

+ sign -190.115+/-93.511 χ^2/NDF: 38.2/21

All: -162.387+/-65.777 χ^2/NDF: 55.9/45

- sign -135.231+/-92.541 χ^2/NDF: 17.5/23

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

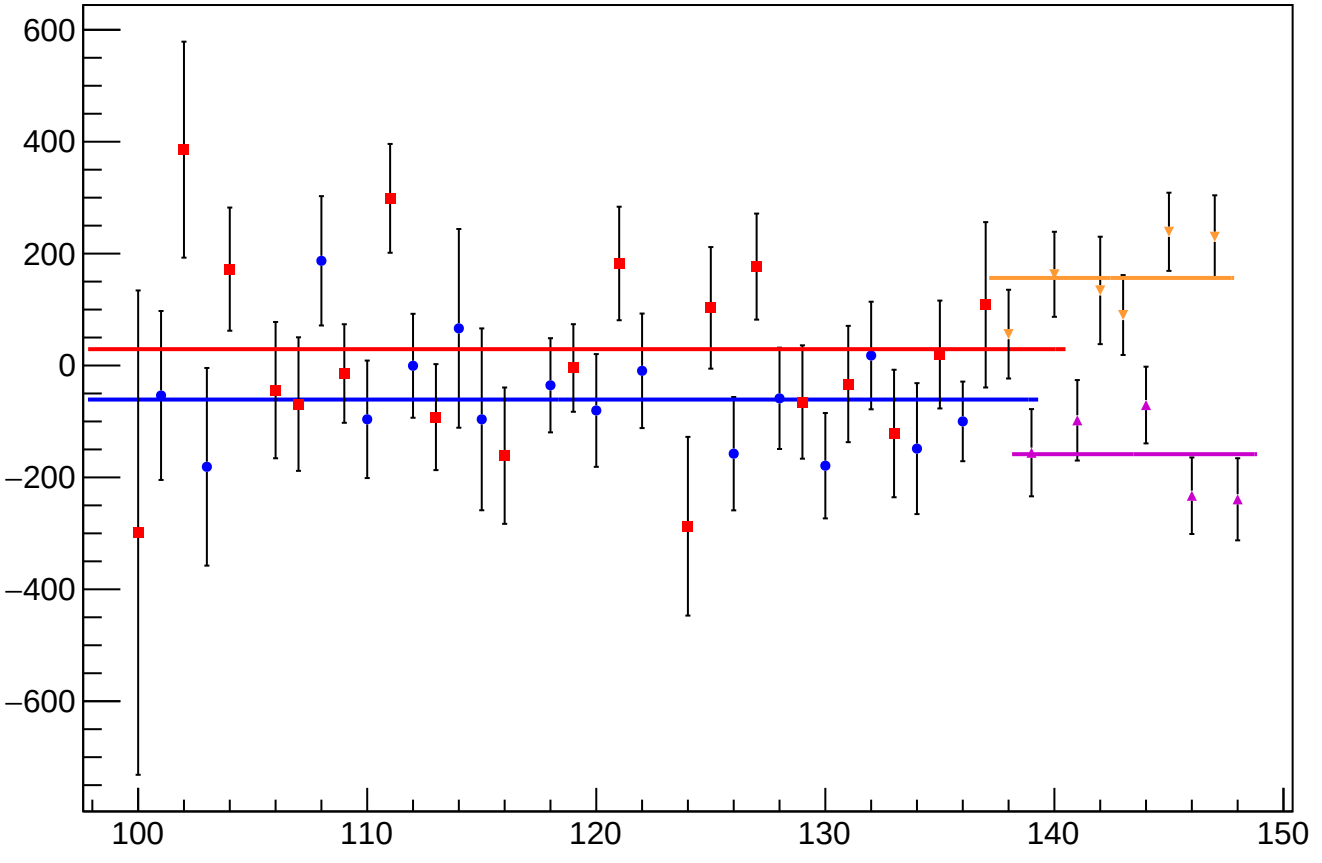
Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

+ sign 301.902+/-0.066 χ^2/NDF: 2402448.7/21

All: 298.175+/-0.047 χ^2/NDF: 5379627.6/45

- sign 294.525+/-0.065 χ^2/NDF: 2970890.4/23

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

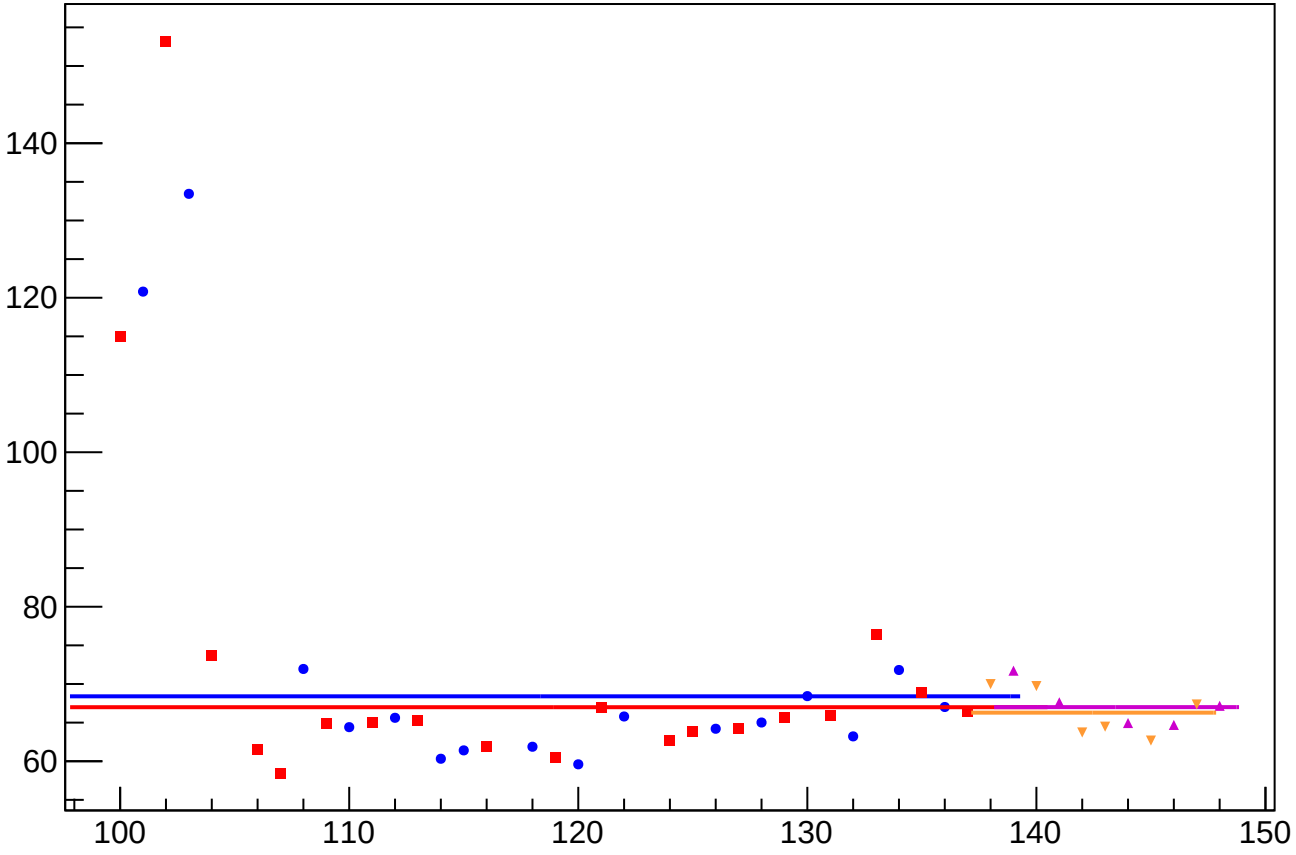
Left In: -158.477+/-32.111 χ^2/NDF:4.7/4

+ sign 28.271+/-20.012 χ^2/NDF: 44.0/21

All: -7.305+/-14.074 χ^2/NDF: 107.5/45

- sign -42.119+/-19.796 χ^2/NDF: 57.2/23

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

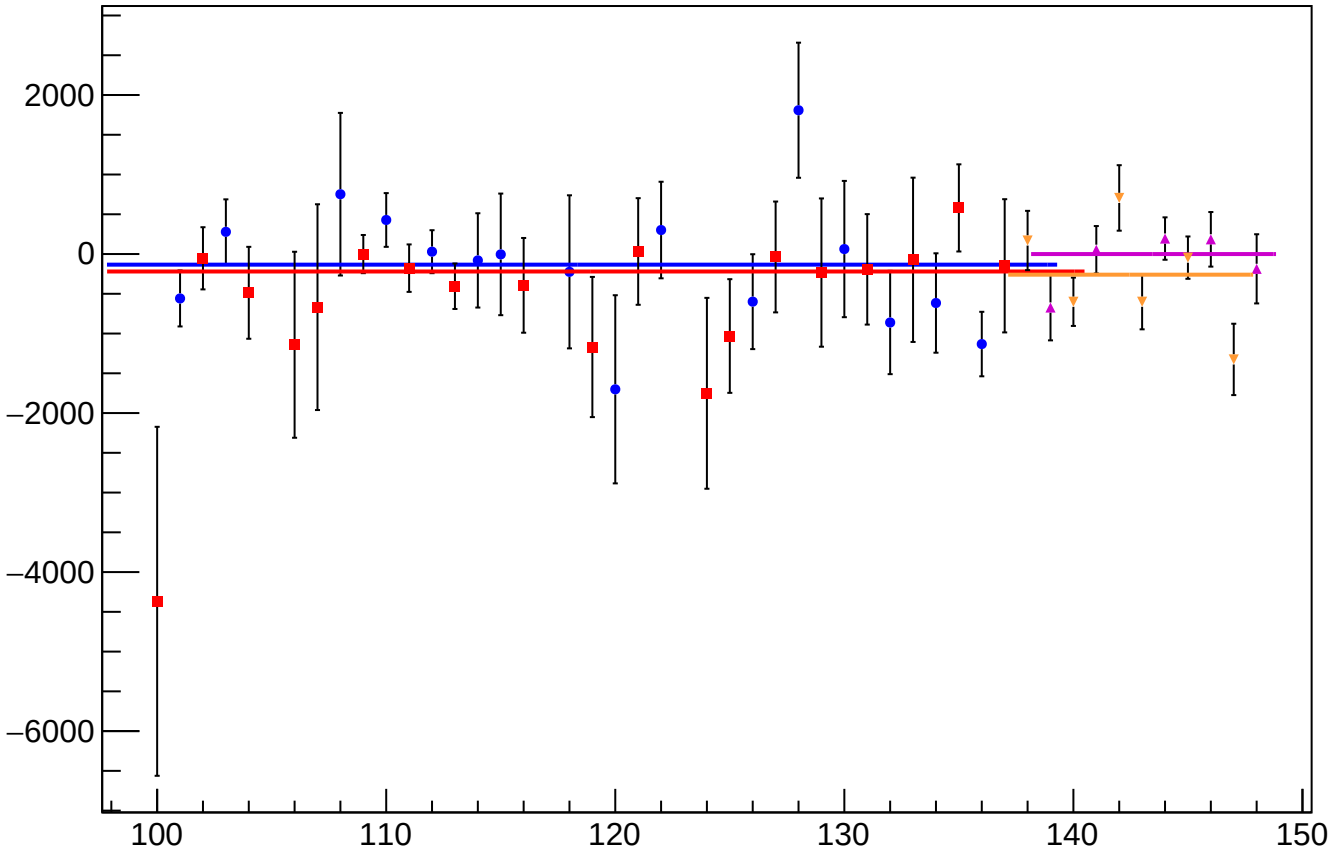
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.537+/-0.014 χ^2/NDF: 591875.5/21

All: 67.265+/-0.010 χ^2/NDF: 1088650.7/45

- sign 66.999+/-0.014 χ^2/NDF: 496044.1/23



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

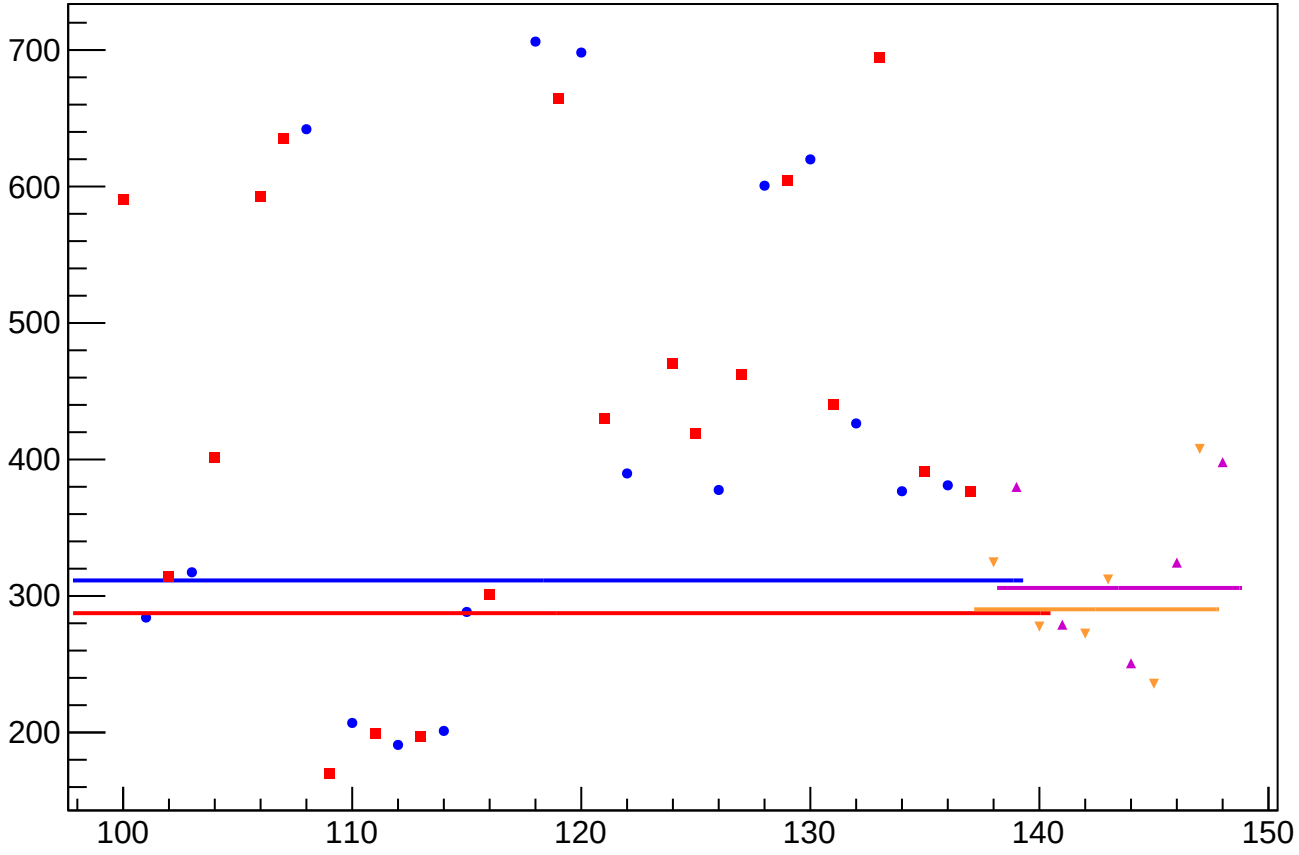
Left In: -0.349+/-149.173 χ^2/NDF:3.7/4

+ sign -190.115+/-93.511 χ^2/NDF: 38.2/21

All: -162.387+/-65.777 χ^2/NDF: 55.9/45

- sign -135.231+/-92.541 χ^2/NDF: 17.5/23

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

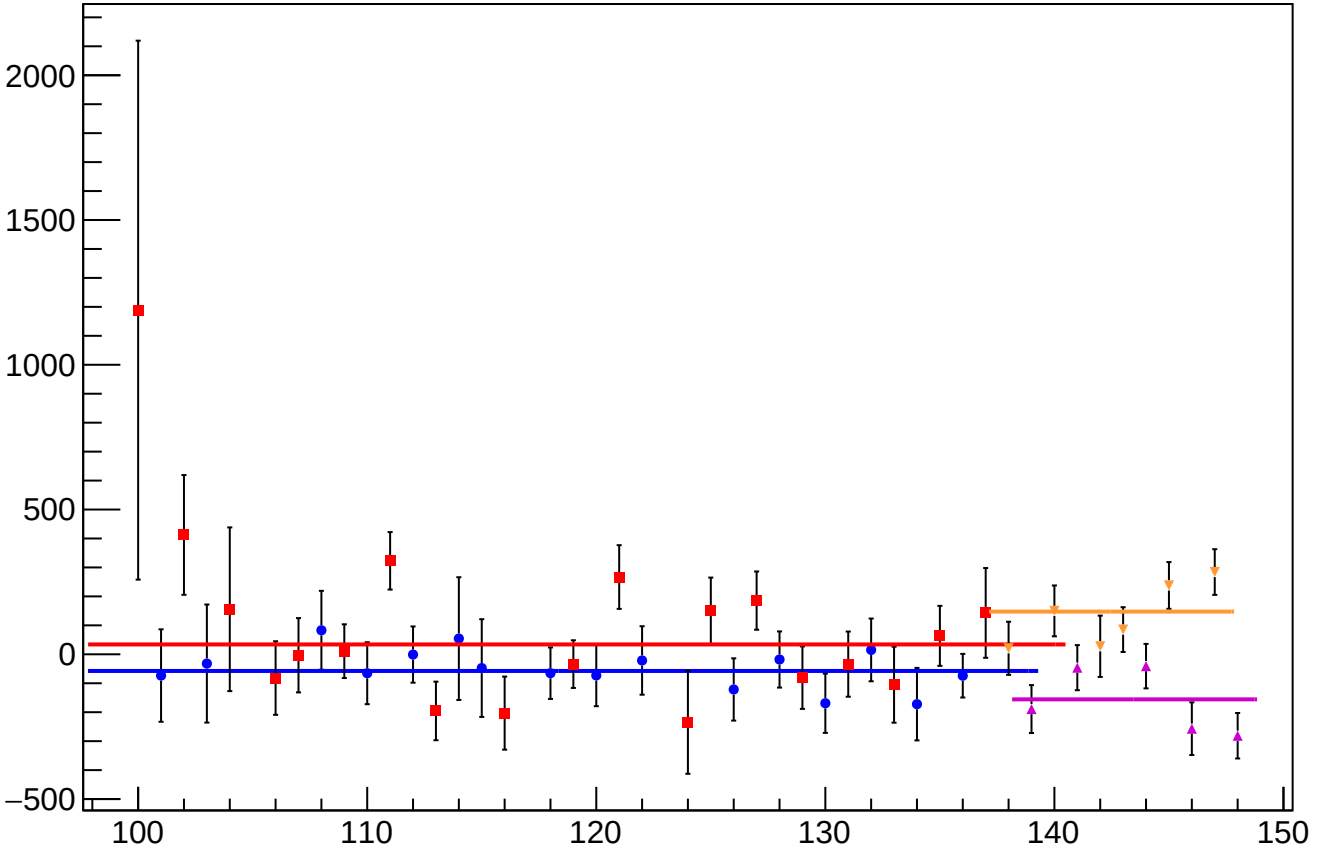
Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

+ sign 301.902+/-0.066 χ^2/NDF: 2402448.7/21

All: 298.175+/-0.047 χ^2/NDF: 5379627.6/45

- sign 294.525+/-0.065 χ^2/NDF: 2970890.4/23

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

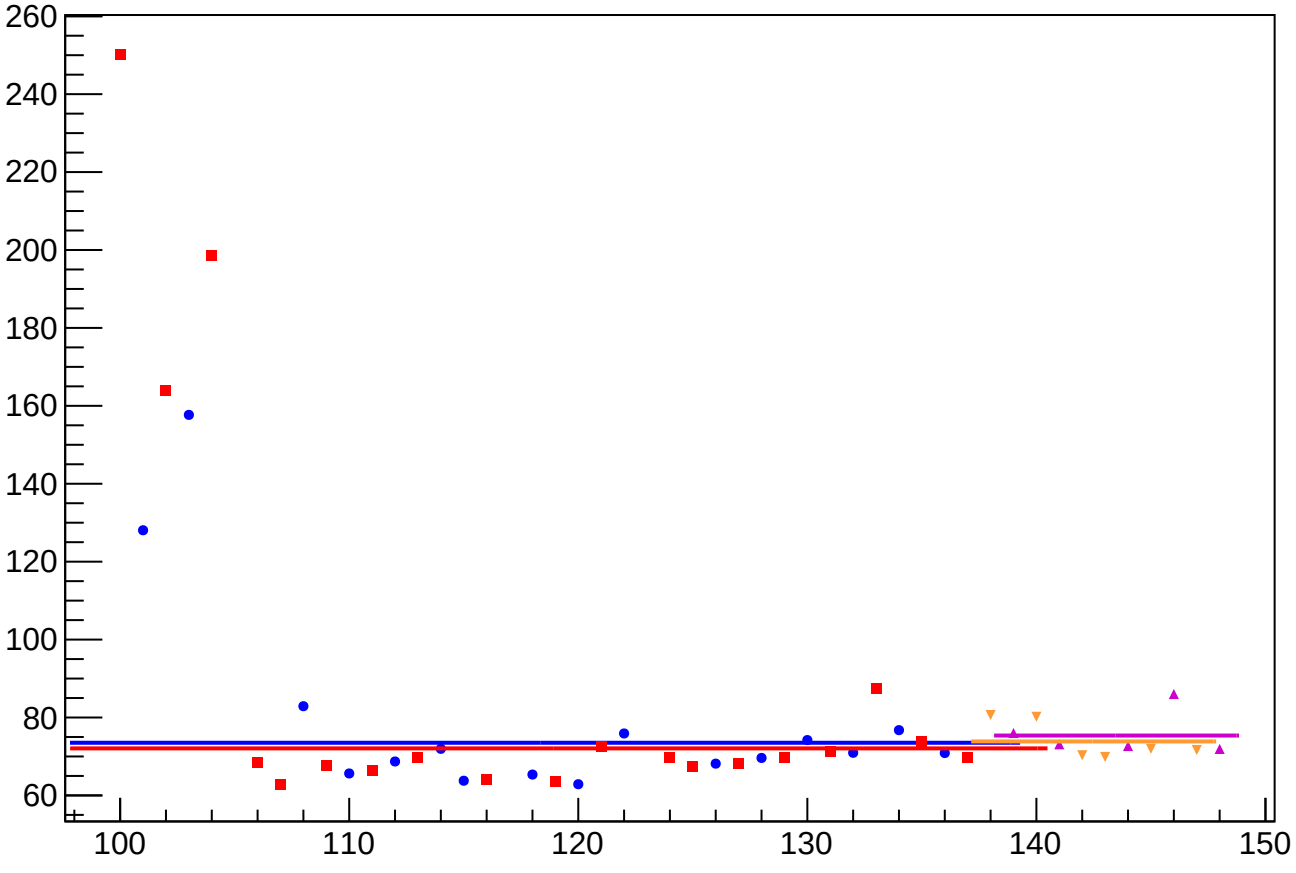
Left In: -155.616+/-36.196 χ^2/NDF:8.2/4

+ sign 22.929+/-21.892 χ^2/NDF: 33.9/21

All: -6.121+/-15.464 χ^2/NDF: 100.2/45

- sign -35.047+/-21.845 χ^2/NDF: 62.8/23

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

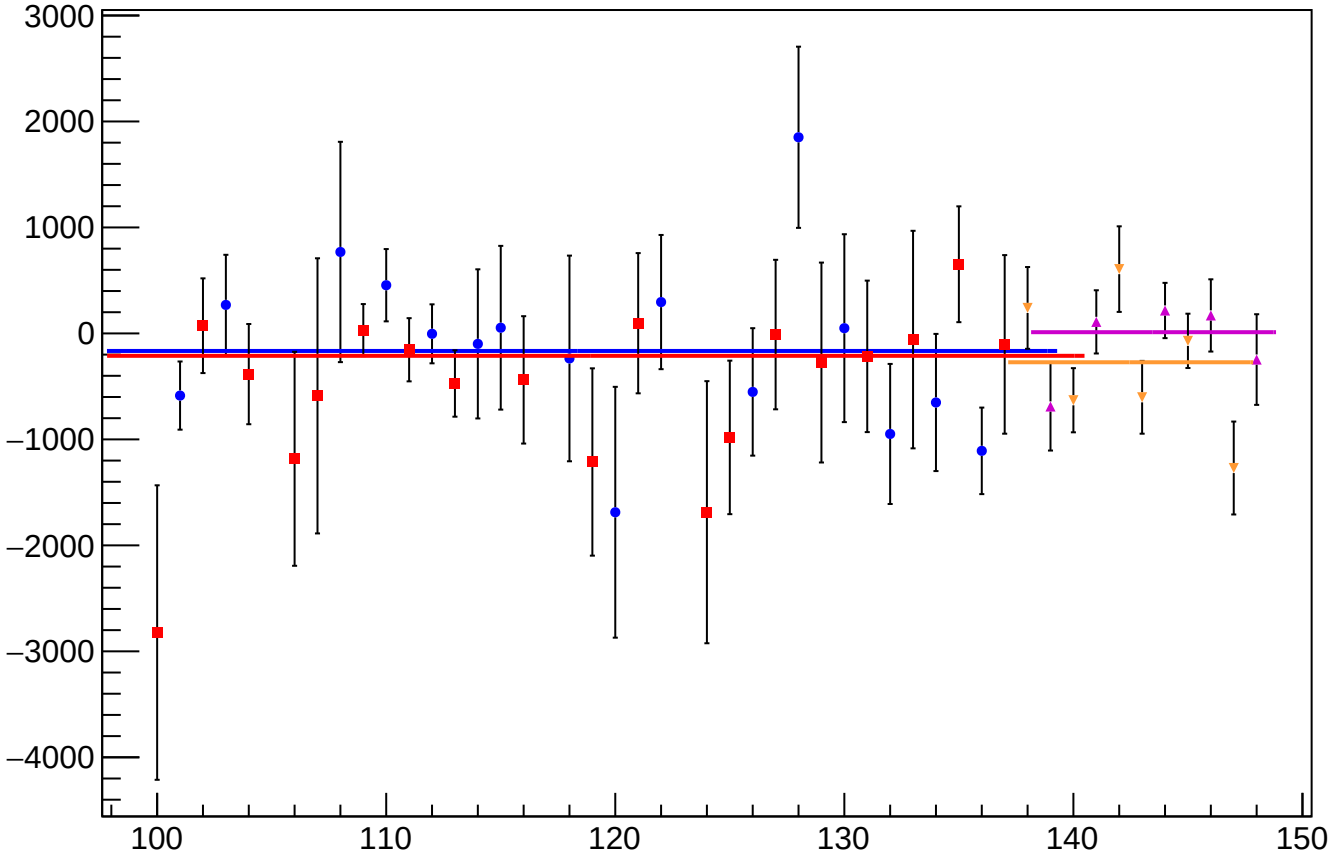
Left In: 75.371+/-0.026 χ^2/NDF:35533.0/4

+ sign 73.651+/-0.015 χ^2/NDF: 688442.2/21

All: 73.463+/-0.011 χ^2/NDF: 1693318.3/45

- sign 73.275+/-0.015 χ^2/NDF: 1004580.3/23

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

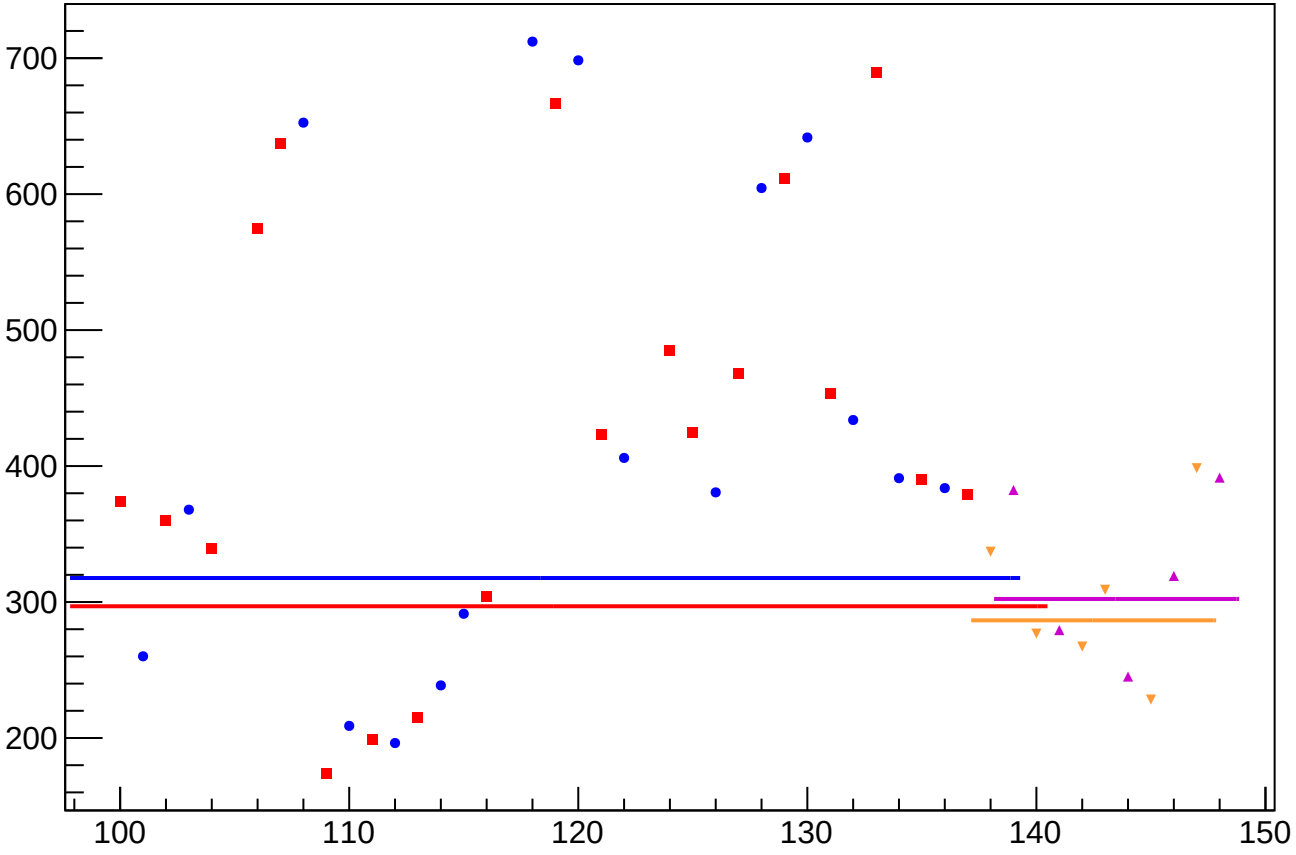
Left In: 11.540+/-147.749 χ^2/NDF:4.1/4

+ sign -215.088+/-93.958 χ^2/NDF: 37.6/21

All: -168.497+/-66.170 χ^2/NDF: 57.2/45

- sign -122.650+/-93.205 χ^2/NDF: 19.1/23

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

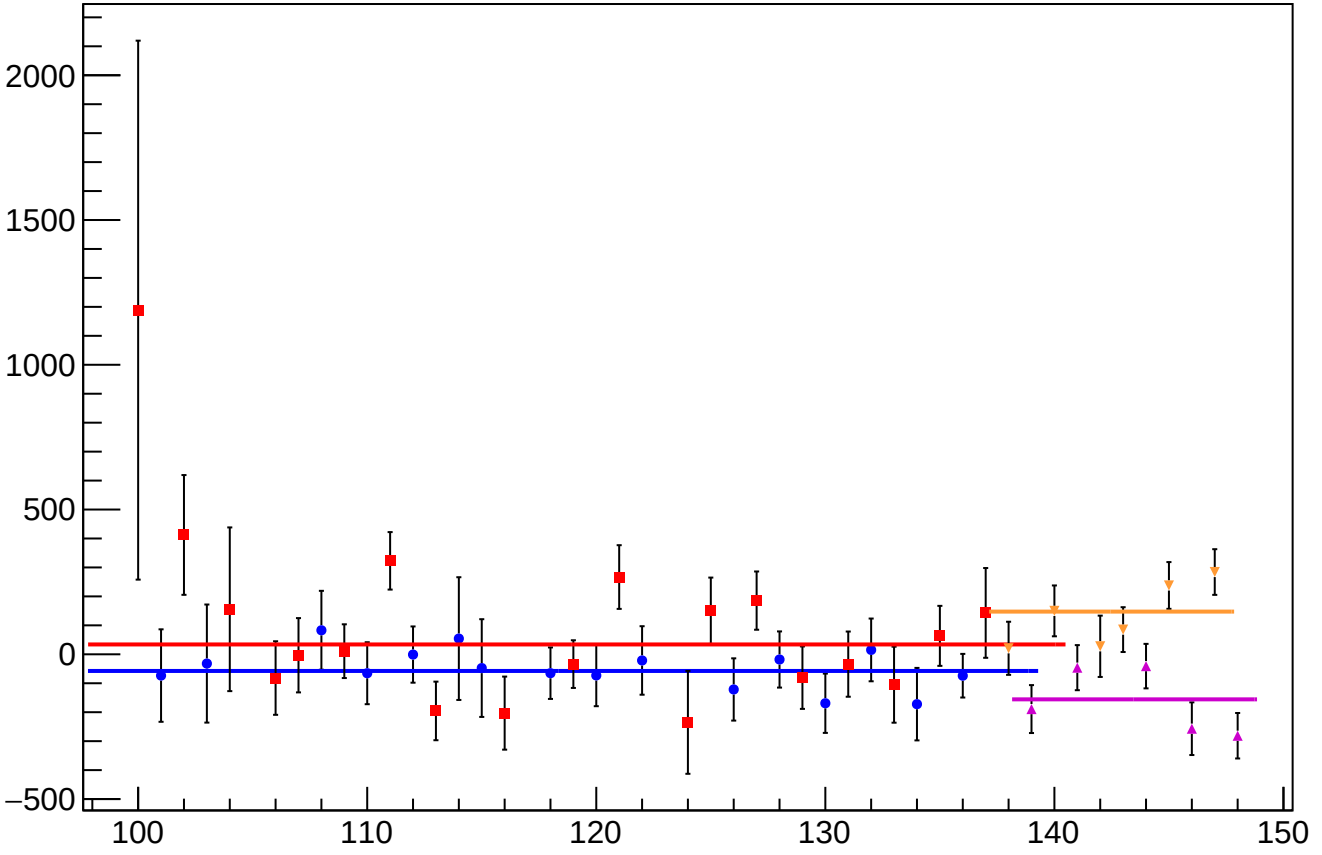
Left In: 302.258+/-0.104 χ^2/NDF:273885.8/4

+ sign 303.191+/-0.066 χ^2/NDF: 2473909.7/21

All: 301.091+/-0.047 χ^2/NDF: 5292408.4/45

- sign 299.025+/-0.066 χ^2/NDF: 2816516.8/23

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

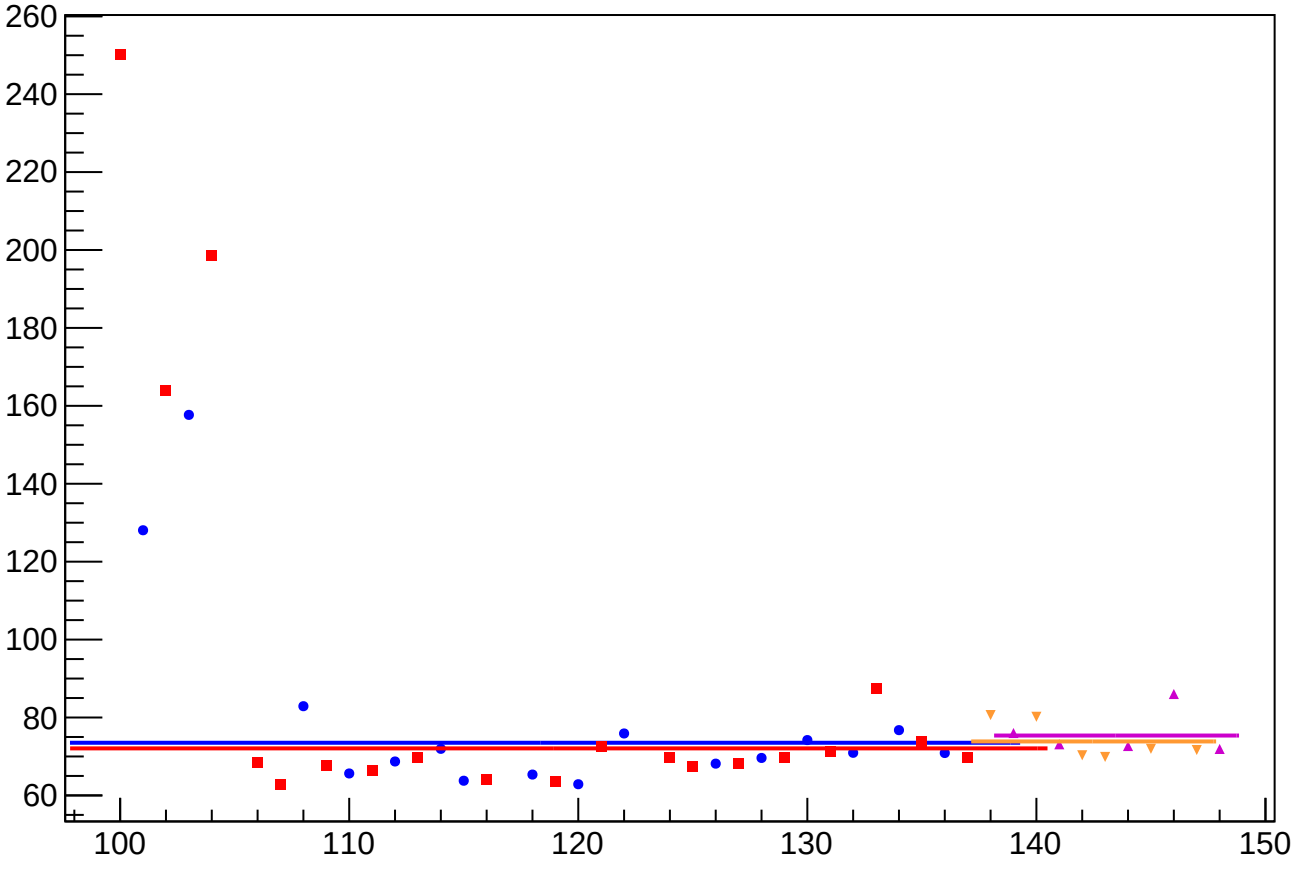
Left In: -155.616+/-36.196 χ^2/NDF:8.2/4

+ sign 22.929+/-21.892 χ^2/NDF: 33.9/21

All: -6.121+/-15.464 χ^2/NDF: 100.2/45

- sign -35.046+/-21.845 χ^2/NDF: 62.8/23

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

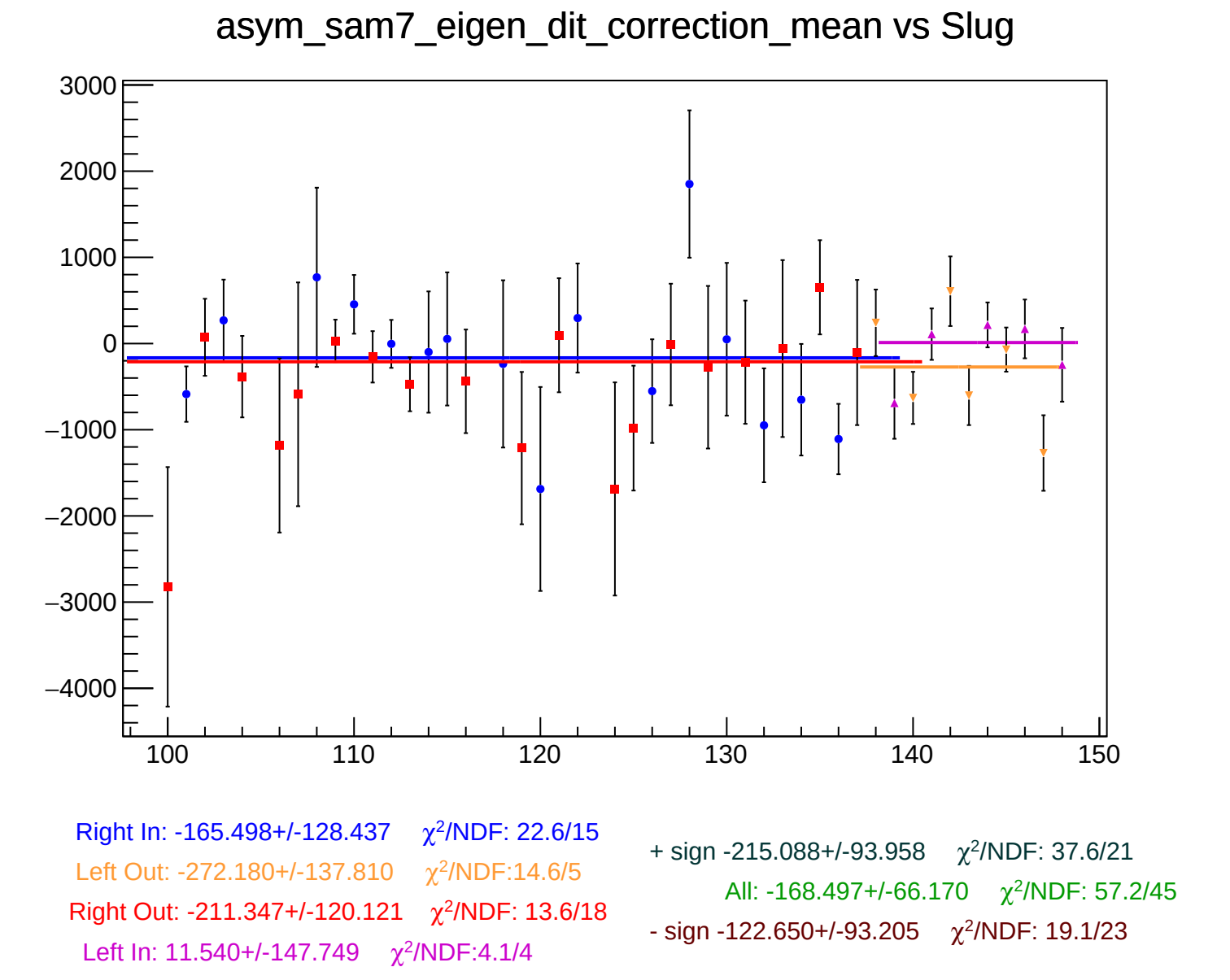
Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 75.371+/-0.026 χ^2/NDF:35533.3/4

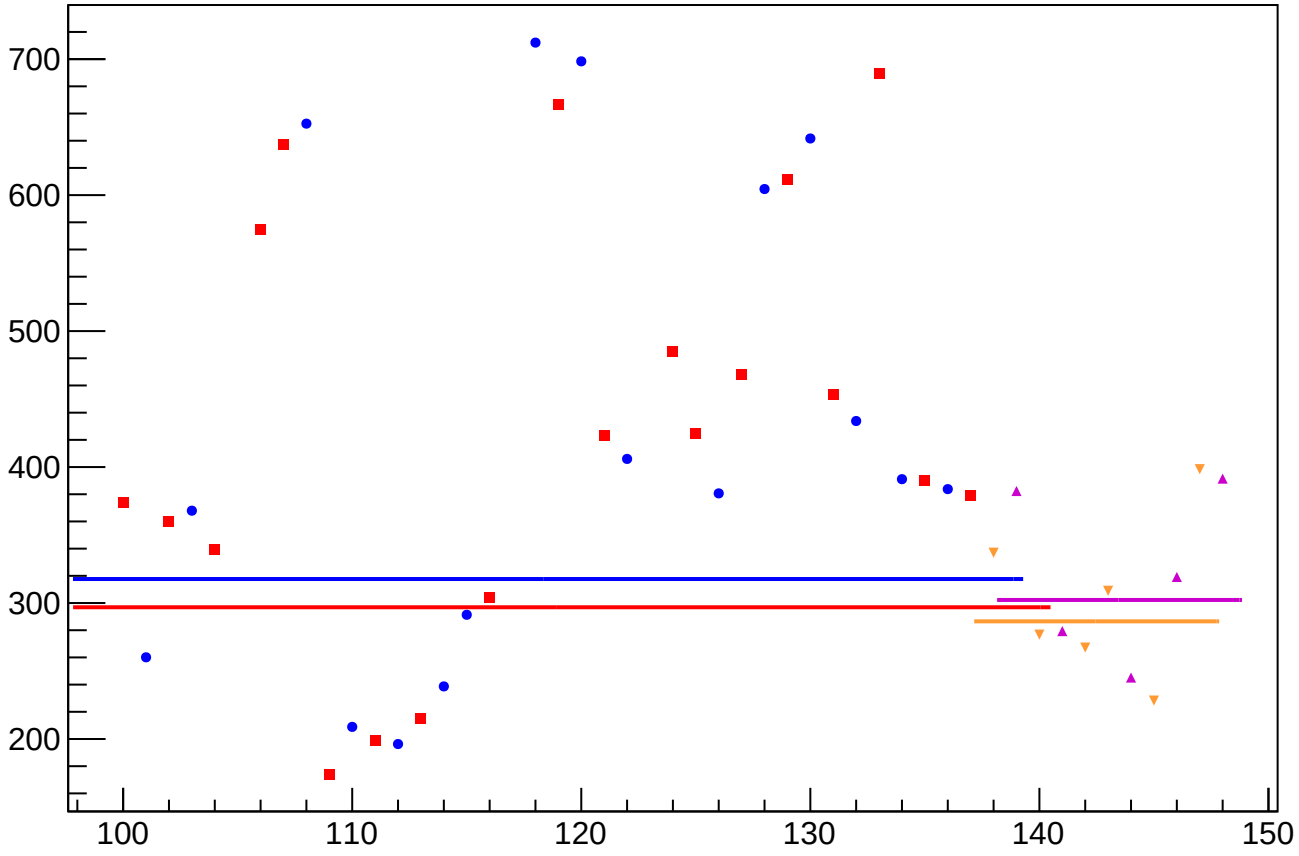
+ sign 73.651+/-0.015 χ^2/NDF: 688443.1/21

All: 73.463+/-0.011 χ^2/NDF: 1693321.7/45

- sign 73.275+/-0.015 χ^2/NDF: 1004582.8/23


asym_sam7_eigen_dit_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
Right In: -165.498+/-128.437 χ²/NDF: 22.6/15
Left Out: -272.180+/-137.810 χ²/NDF:14.6/5
Right Out: -211.347+/-120.121 χ²/NDF: 13.6/18
Left In: 11.540+/-147.749 χ²/NDF:4.1/4
+ sign -215.088+/-93.958 χ²/NDF: 37.6/21
All: -168.497+/-66.170 χ²/NDF: 57.2/45
- sign -122.650+/-93.205 χ²/NDF: 19.1/23

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

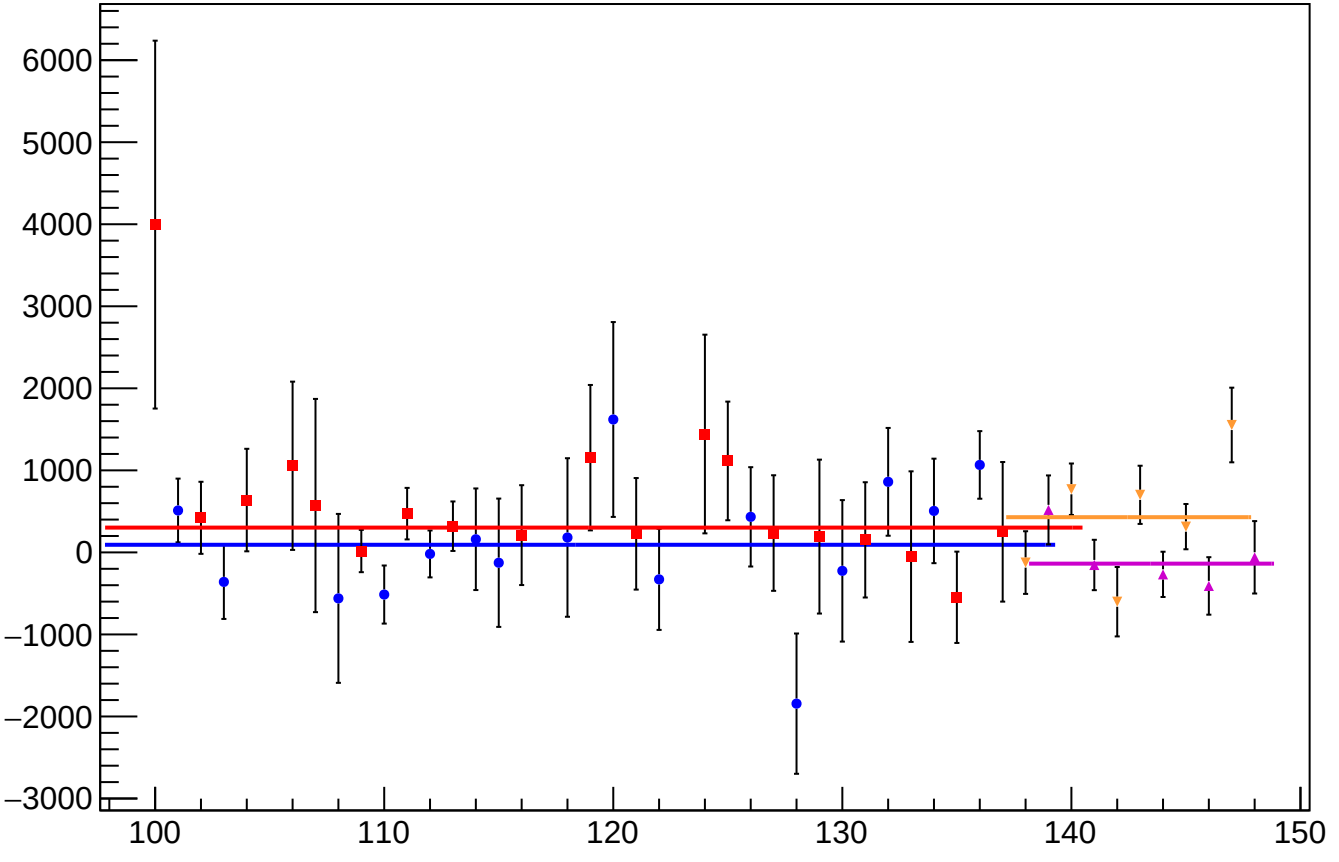
Left In: 302.258+/-0.104 χ^2/NDF:273889.5/4

+ sign 303.190+/-0.066 χ^2/NDF: 2473939.2/21

All: 301.090+/-0.047 χ^2/NDF: 5292452.9/45

- sign 299.024+/-0.066 χ^2/NDF: 2816532.2/23

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

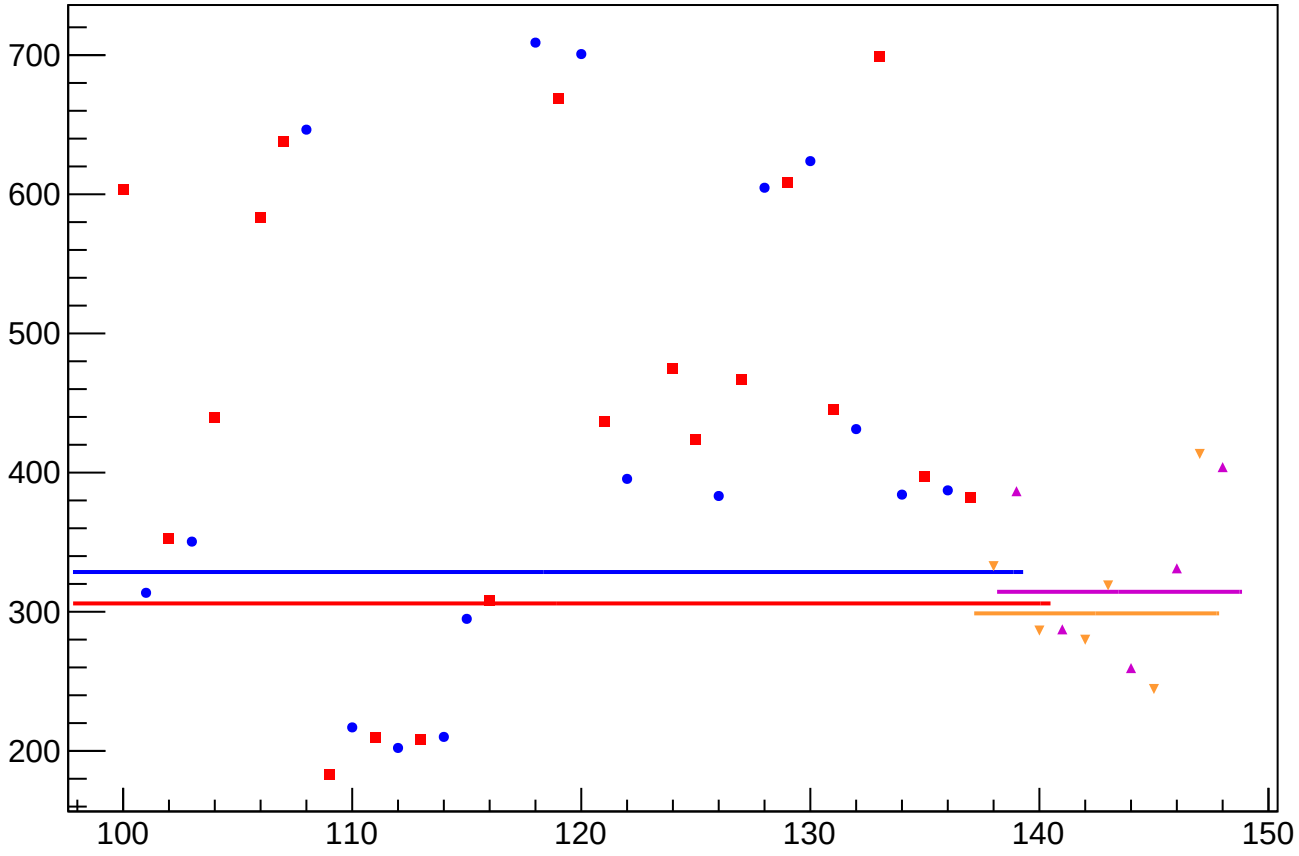
Left In: -137.141+/-153.048 χ^2/NDF:3.3/4

+ sign 246.813+/-97.135 χ^2/NDF: 39.9/21

All: 187.039+/-68.390 χ^2/NDF: 59.7/45

- sign 128.279+/-96.307 χ^2/NDF: 19.1/23

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

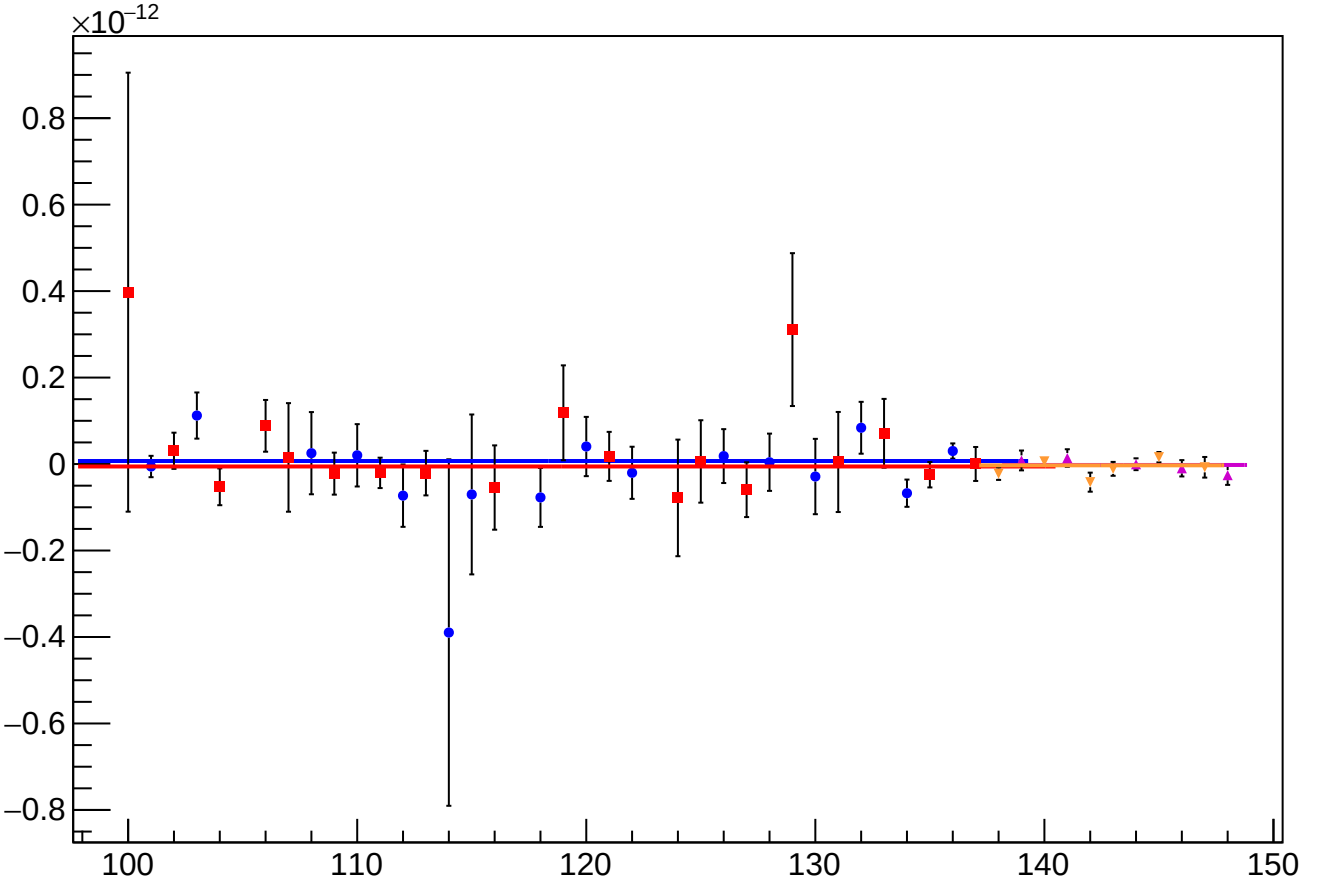
Left In: 314.346+/-0.108 χ^2/NDF:240607.9/4

+ sign 314.957+/-0.069 χ^2/NDF: 2239102.9/21

All: 312.103+/-0.048 χ^2/NDF: 5014200.1/45

- sign 309.298+/-0.068 χ^2/NDF: 2771674.0/23

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/5

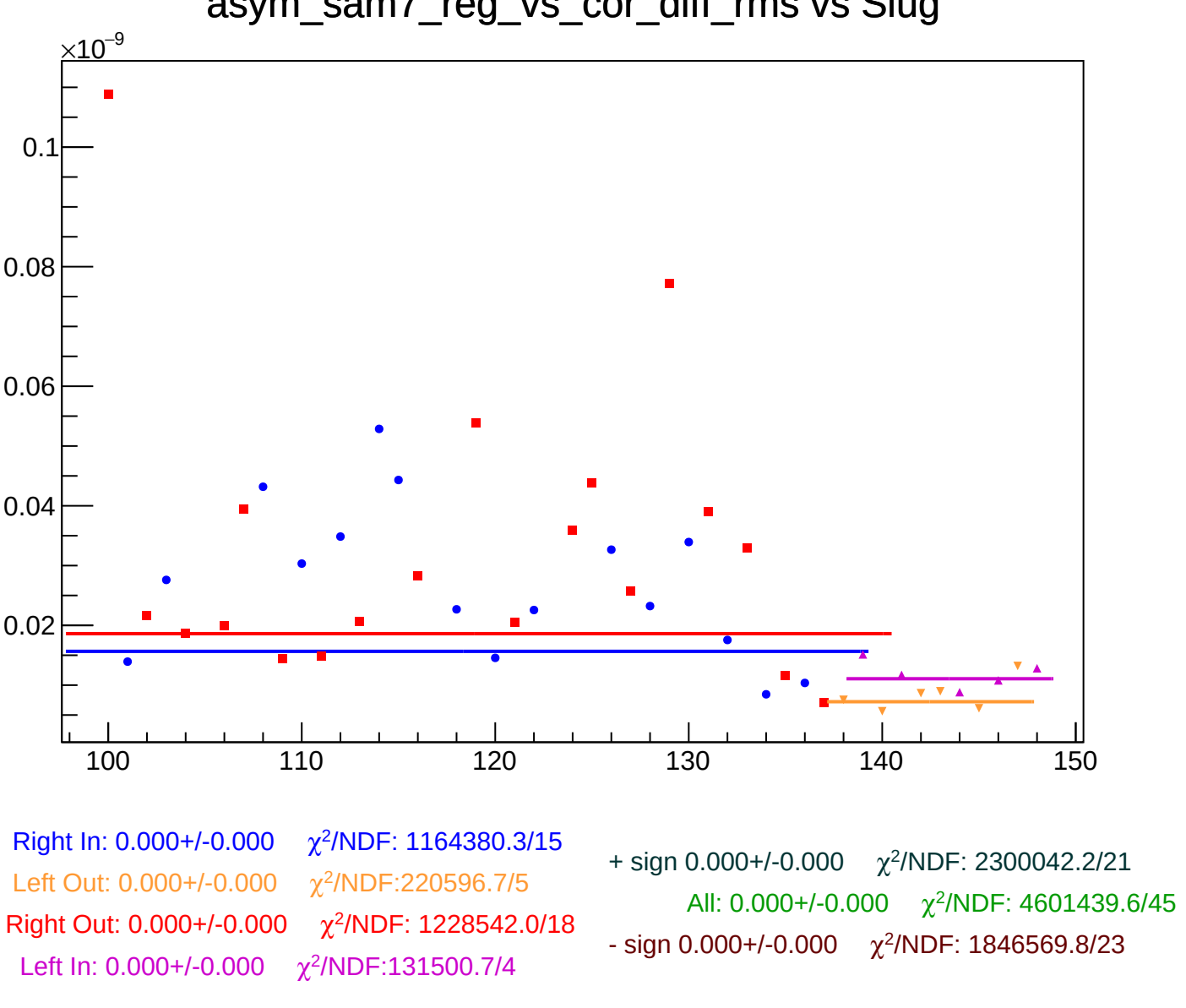
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

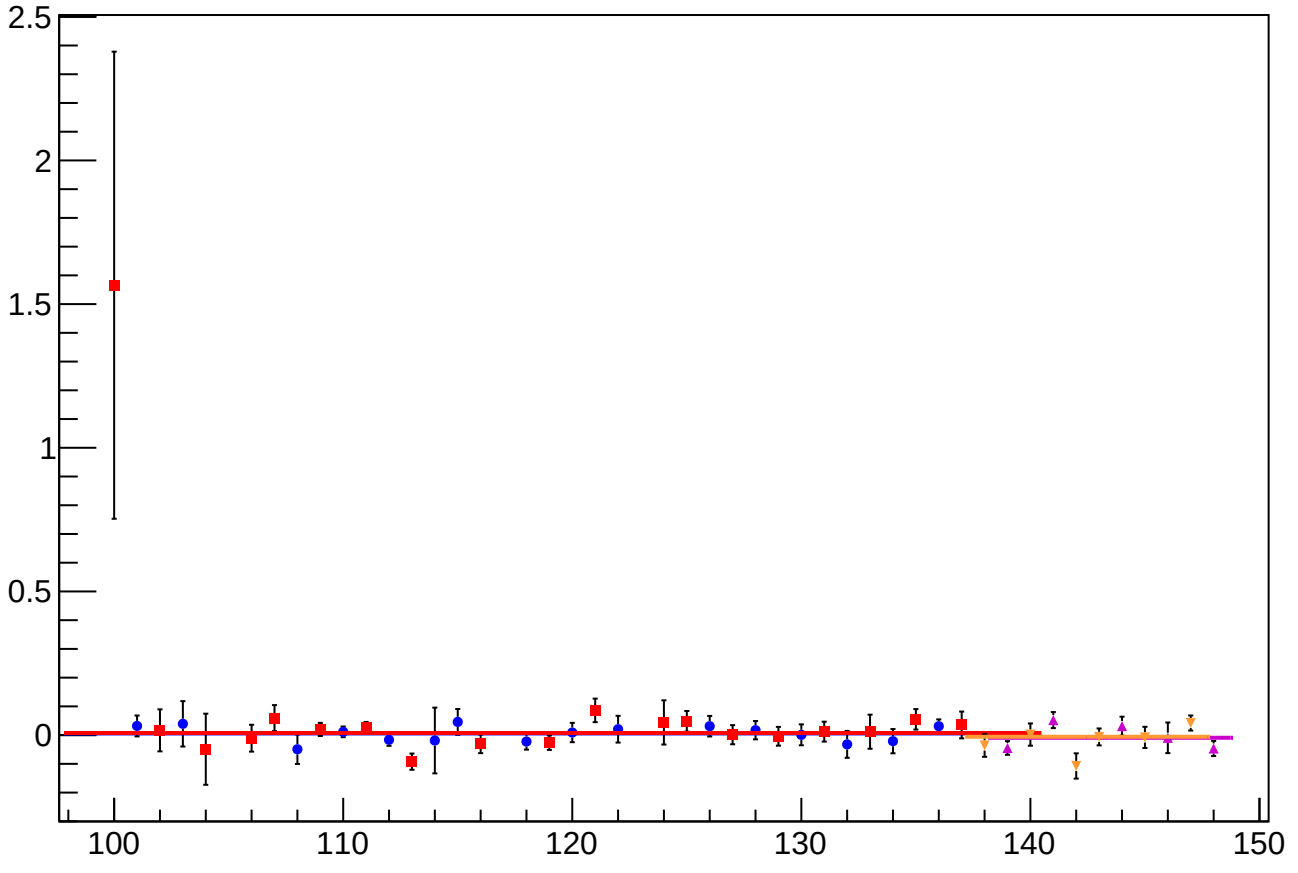
+ sign -0.000+/-0.000 χ^2/NDF: 26.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.8/45

- sign -0.000+/-0.000 χ^2/NDF: 15.0/23


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
150
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:131500.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2300042.2/21
All: 0.000+/-0.000 χ²/NDF: 4601439.6/45
- sign 0.000+/-0.000 χ²/NDF: 1846569.8/23

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

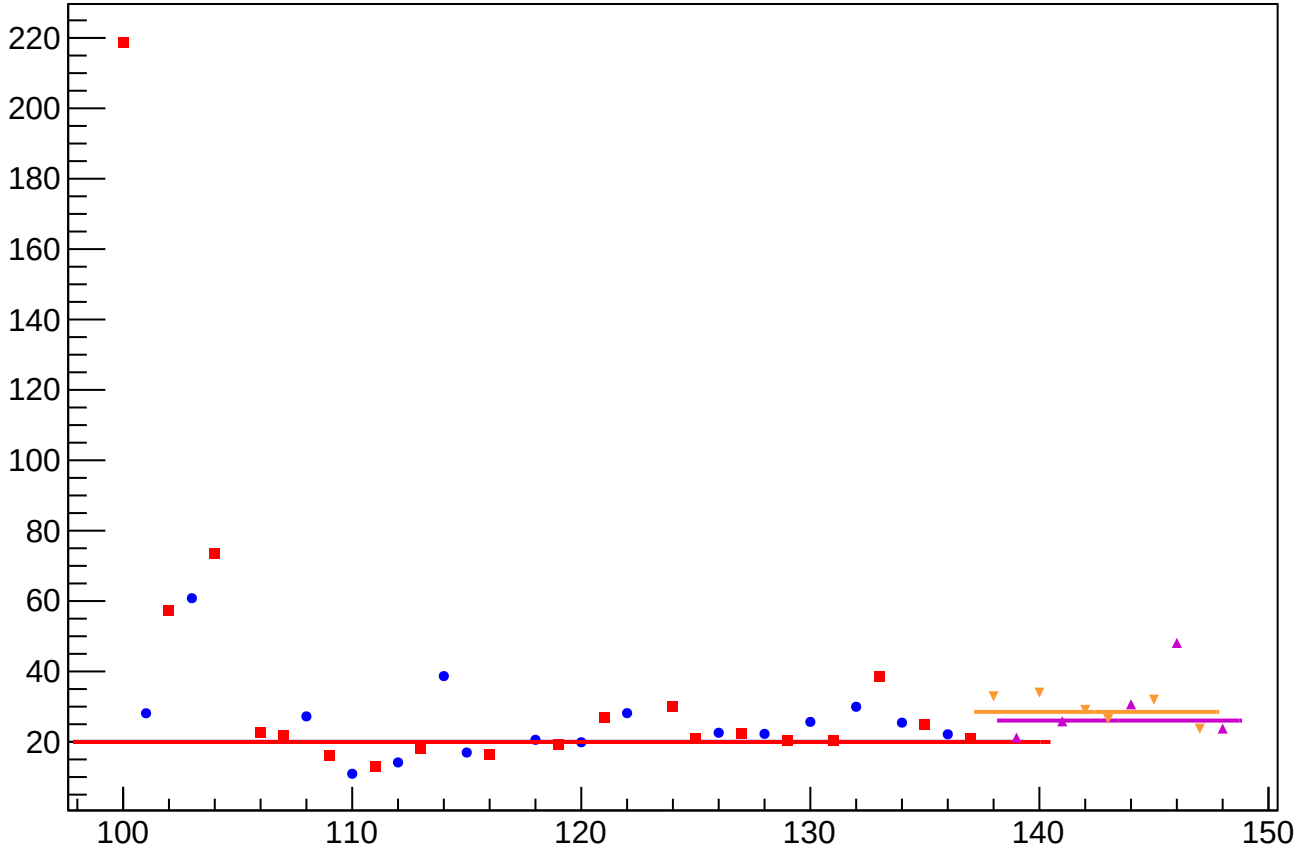
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.003+/-0.005 χ^2/NDF: 59.3/45

- sign 0.003+/-0.007 χ^2/NDF: 41.6/23

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

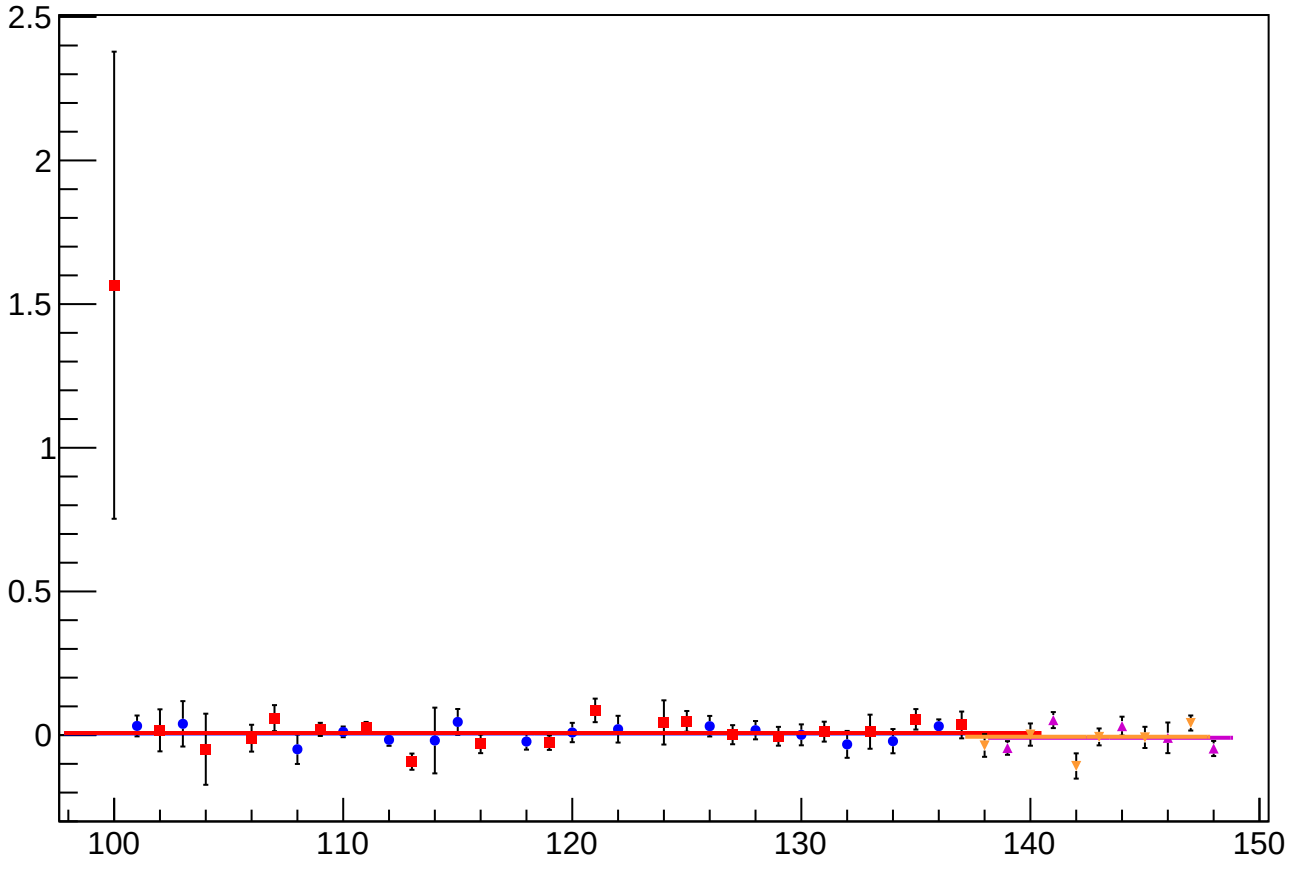
Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

+ sign 22.184+/-0.005 χ^2/NDF: 2357878.3/21

All: 21.903+/-0.003 χ^2/NDF: 4870522.6/45

- sign 21.633+/-0.005 χ^2/NDF: 2506405.1/23

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

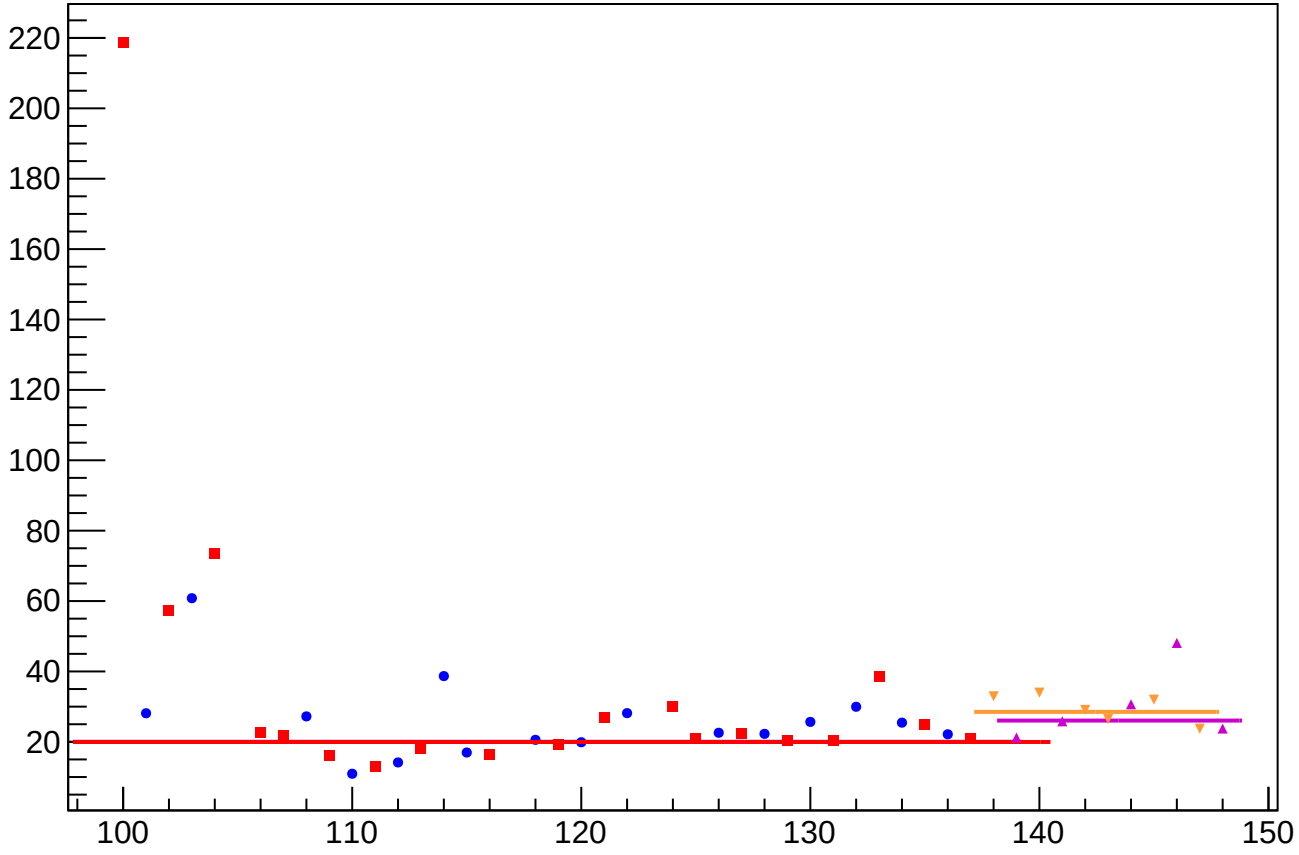
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.003+/-0.005 χ^2/NDF: 59.3/45

- sign 0.003+/-0.007 χ^2/NDF: 41.6/23

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

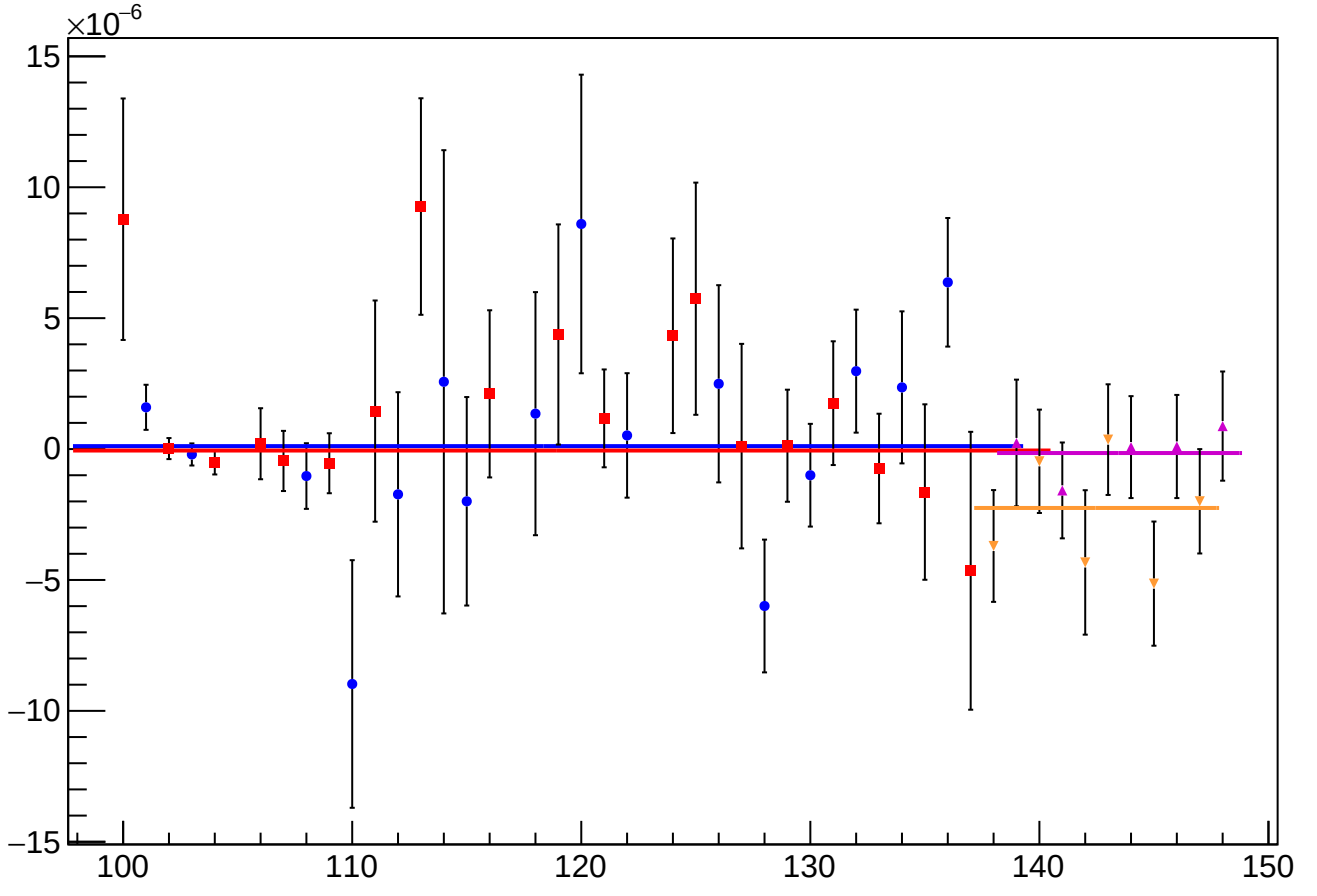
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

+ sign 22.184+/-0.005 χ^2/NDF: 2357878.3/21

All: 21.903+/-0.003 χ^2/NDF: 4870522.6/45

- sign 21.633+/-0.005 χ^2/NDF: 2506405.1/23



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

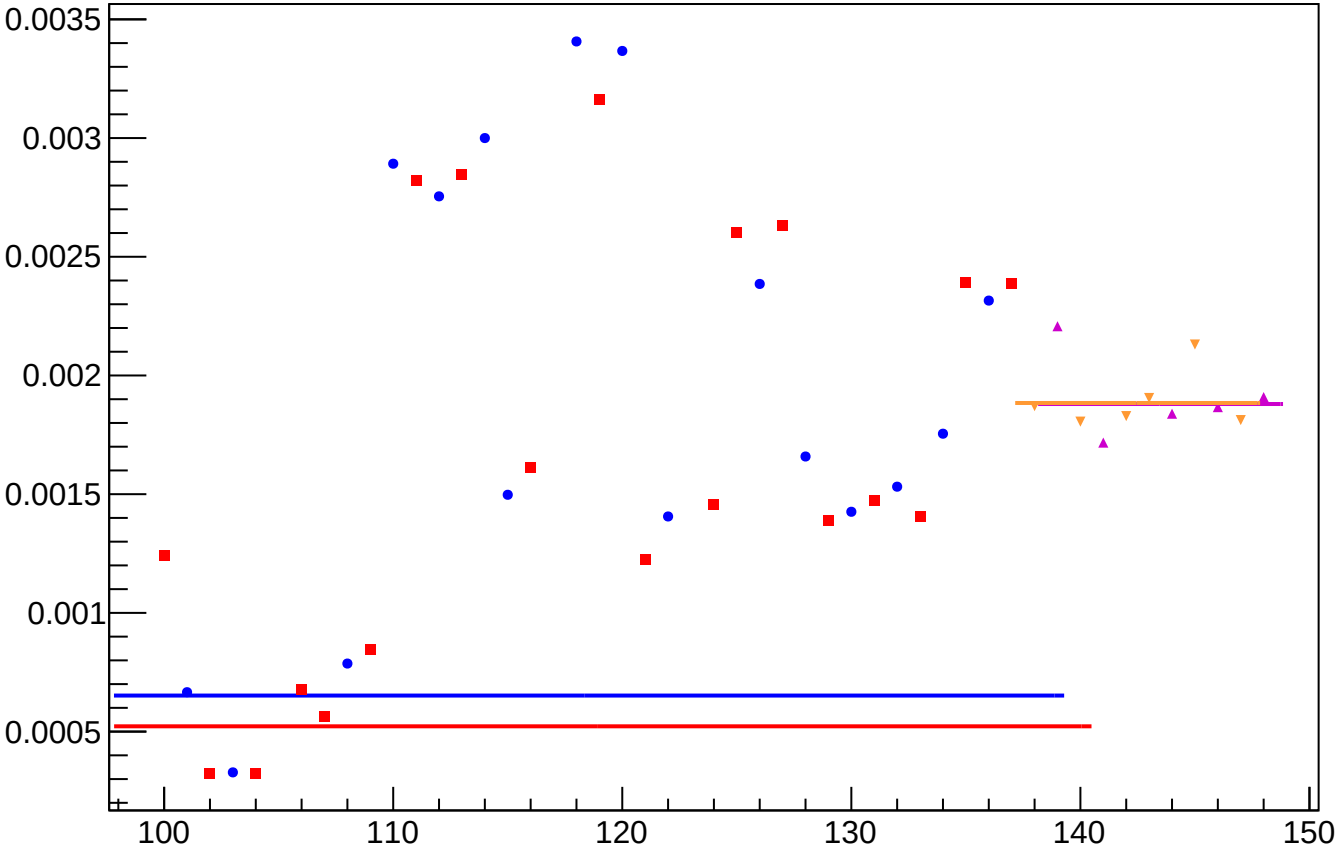
Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/21

All: -0.000+/-0.000 χ^2/NDF: 55.2/45

- sign -0.000+/-0.000 χ^2/NDF: 18.0/23

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

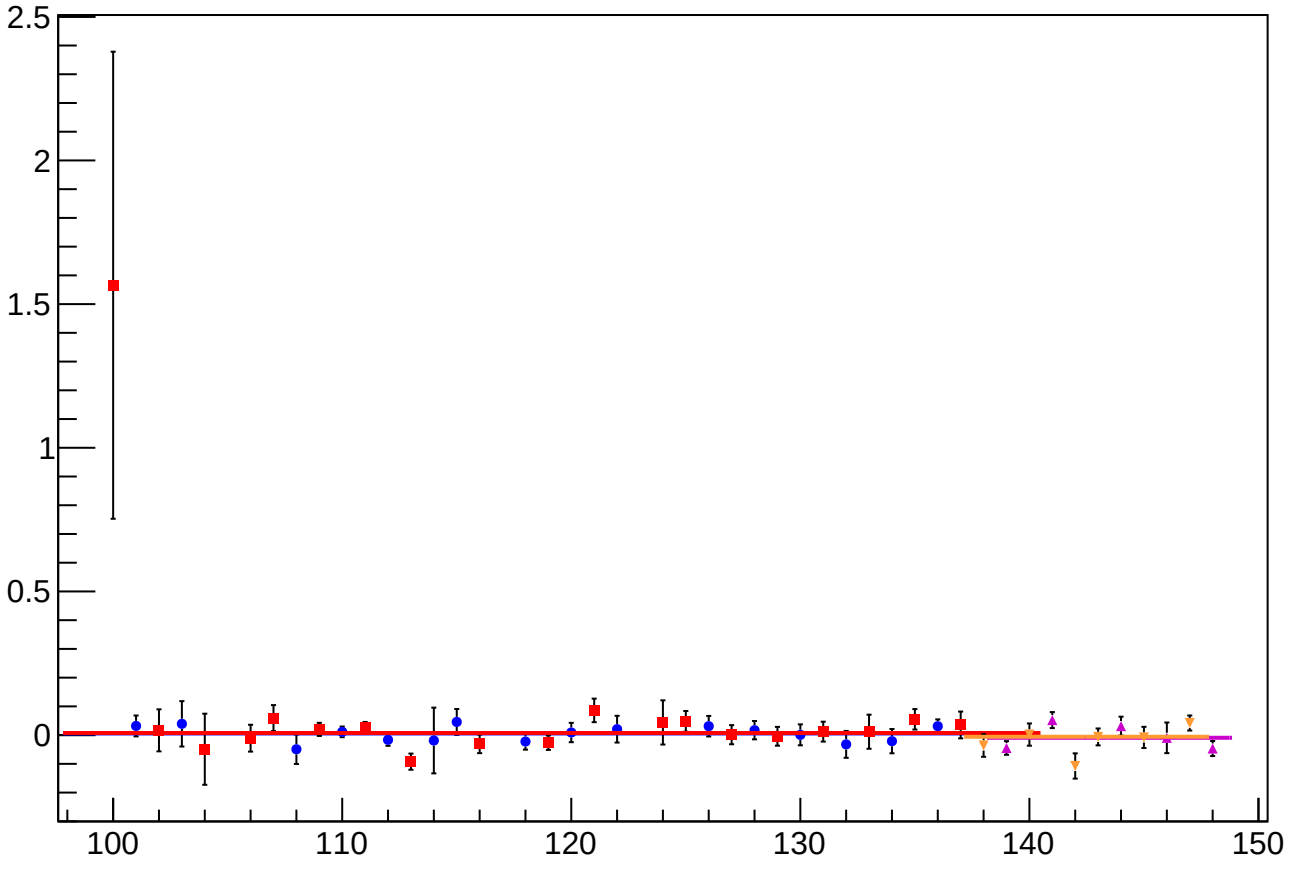
Left In: 0.002+/-0.000 χ^2/NDF:53772.1/4

+ sign 0.001+/-0.000 χ^2/NDF: 9744734.1/21

All: 0.001+/-0.000 χ^2/NDF: 21023795.0/45

- sign 0.001+/-0.000 χ^2/NDF: 10886072.2/23

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

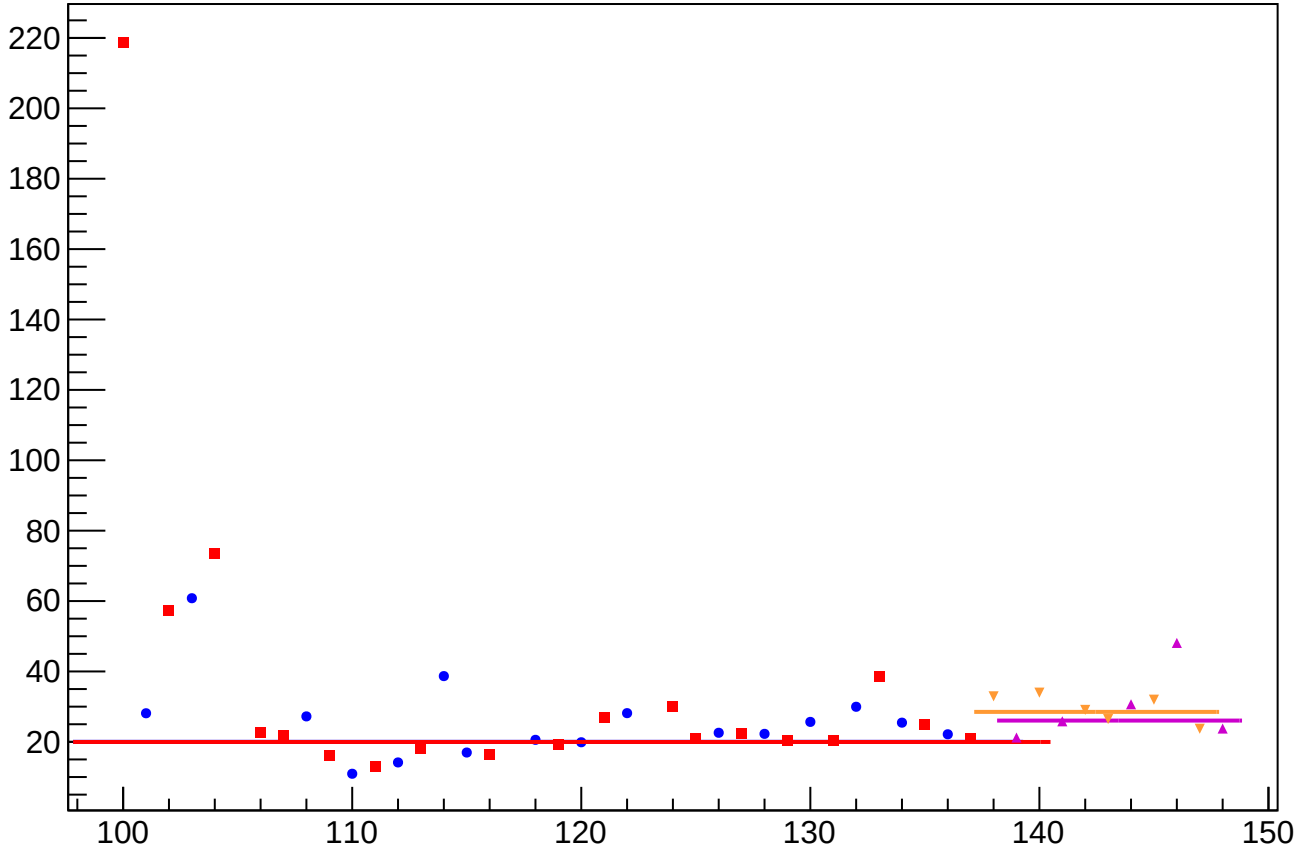
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.003+/-0.005 χ^2/NDF: 59.3/45

- sign 0.003+/-0.007 χ^2/NDF: 41.6/23

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

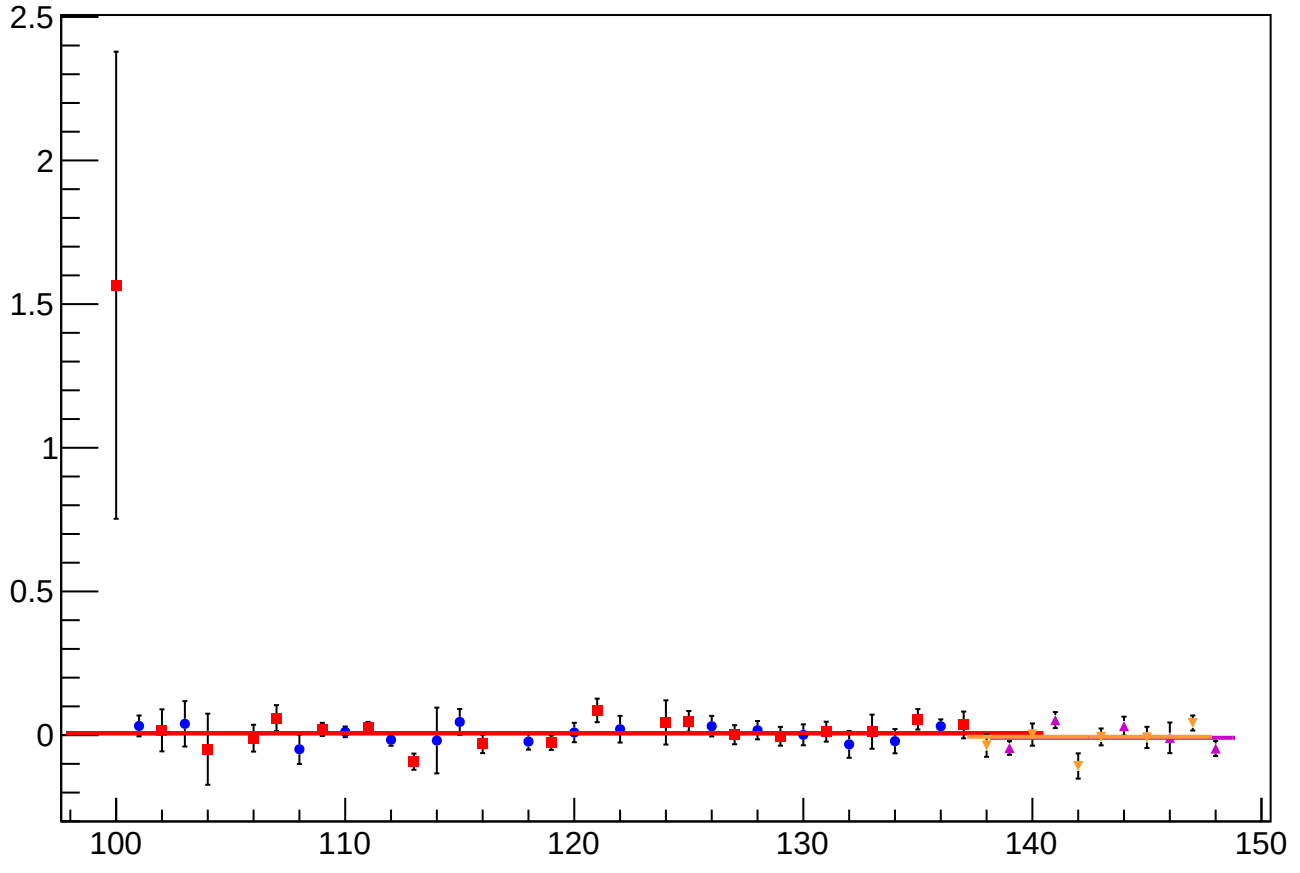
Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

+ sign 22.184+/-0.005 χ^2/NDF: 2357661.2/21

All: 21.903+/-0.003 χ^2/NDF: 4870240.3/45

- sign 21.633+/-0.005 χ^2/NDF: 2506332.9/23

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

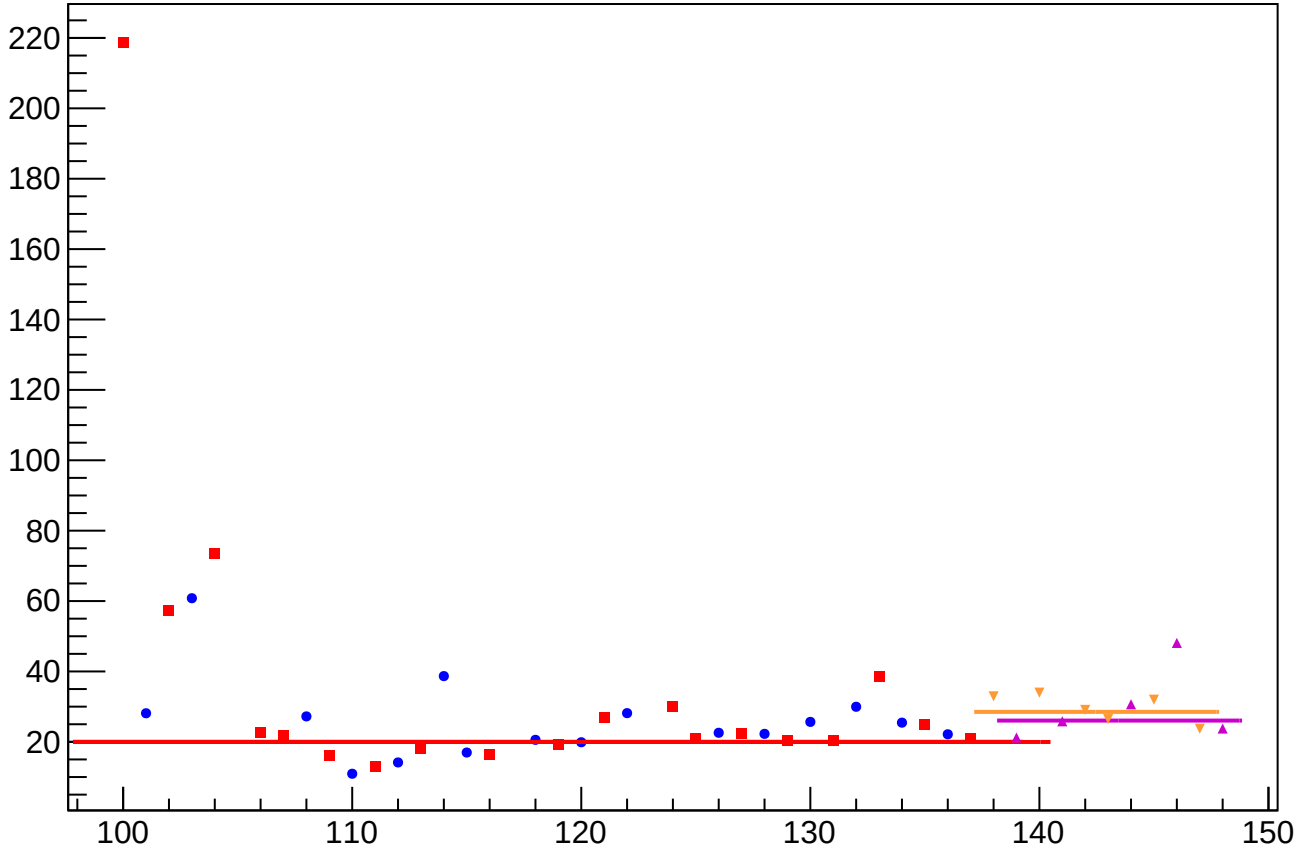
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/21

All: 0.003+/-0.005 χ^2/NDF: 59.3/45

- sign 0.003+/-0.007 χ^2/NDF: 41.6/23

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

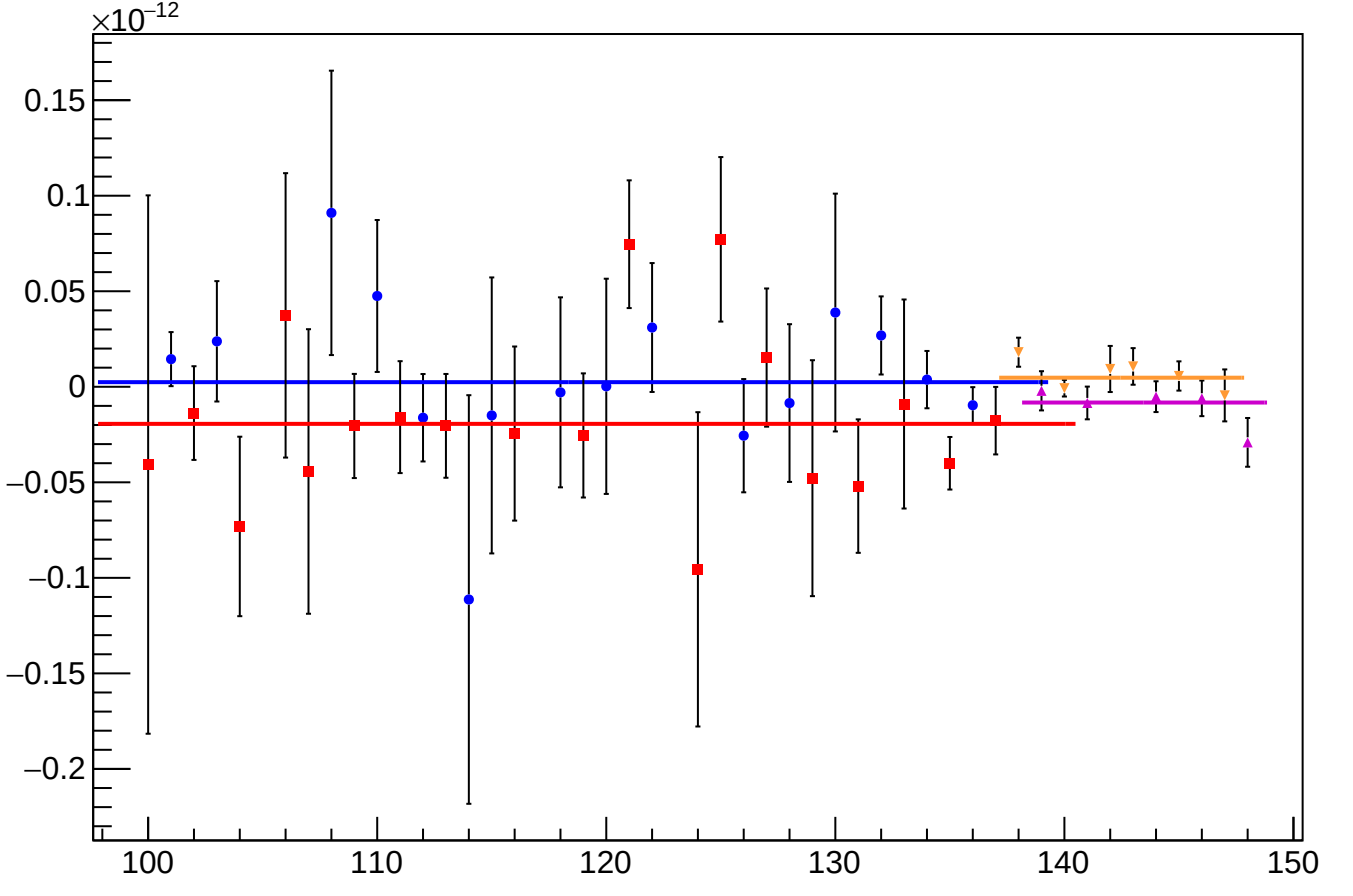
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

+ sign 22.184+/-0.005 χ^2/NDF: 2357661.2/21

All: 21.903+/-0.003 χ^2/NDF: 4870240.3/45

- sign 21.633+/-0.005 χ^2/NDF: 2506332.9/23



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

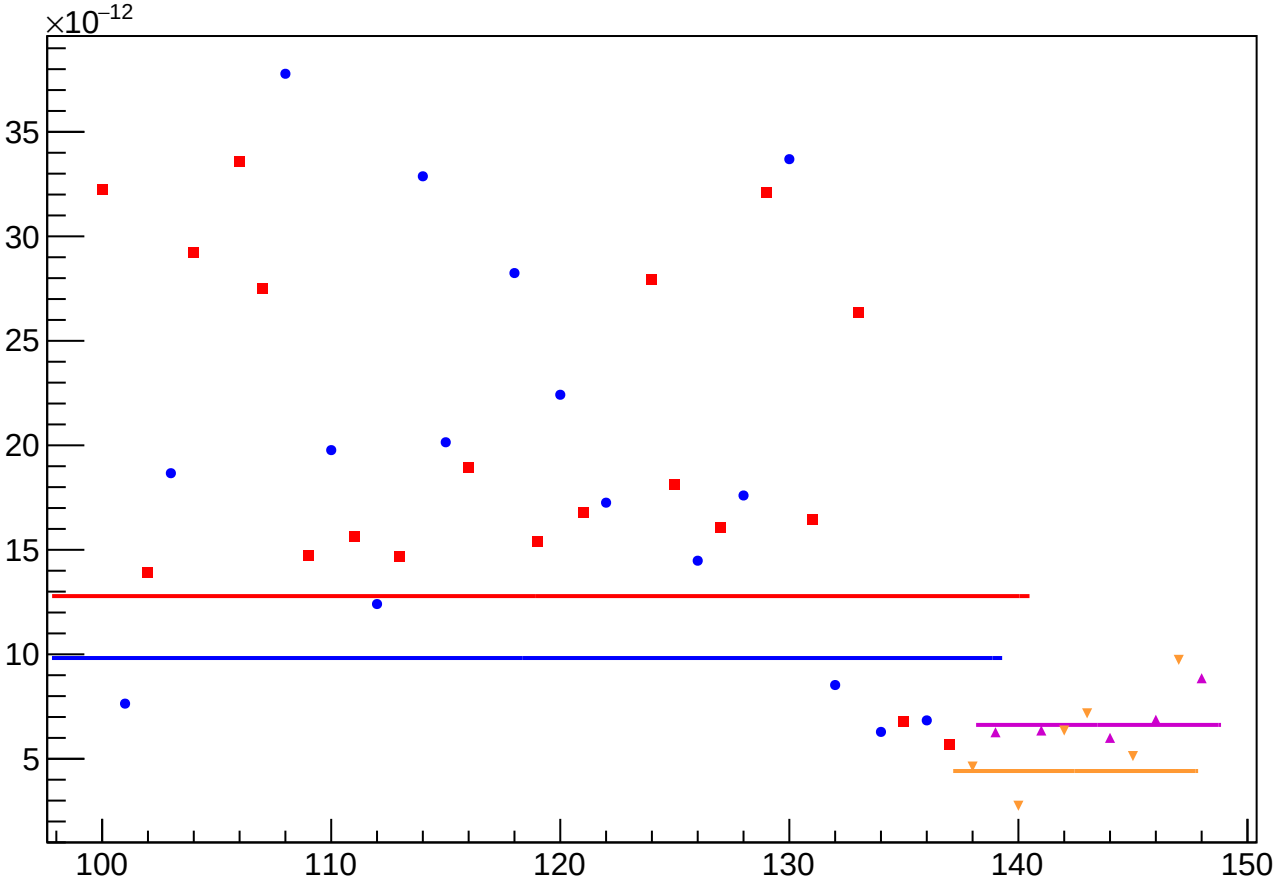
Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.7/21

All: -0.000+/-0.000 χ^2/NDF: 53.8/45

- sign -0.000+/-0.000 χ^2/NDF: 25.3/23

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

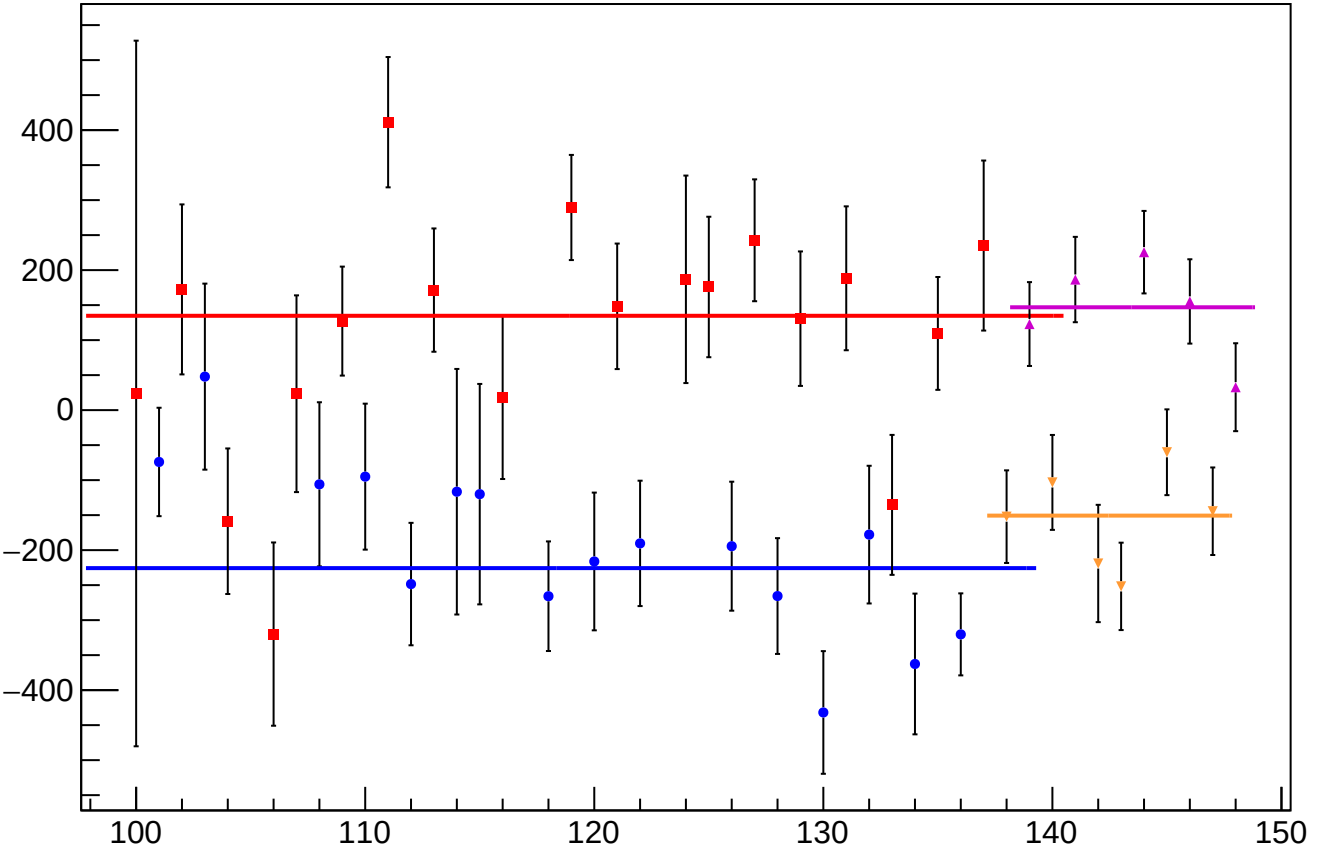
Left In: 0.000+/-0.000 χ^2/NDF:78742.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4214800.5/21

All: 0.000+/-0.000 χ^2/NDF: 7914432.8/45

- sign 0.000+/-0.000 χ^2/NDF: 3001286.7/23

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

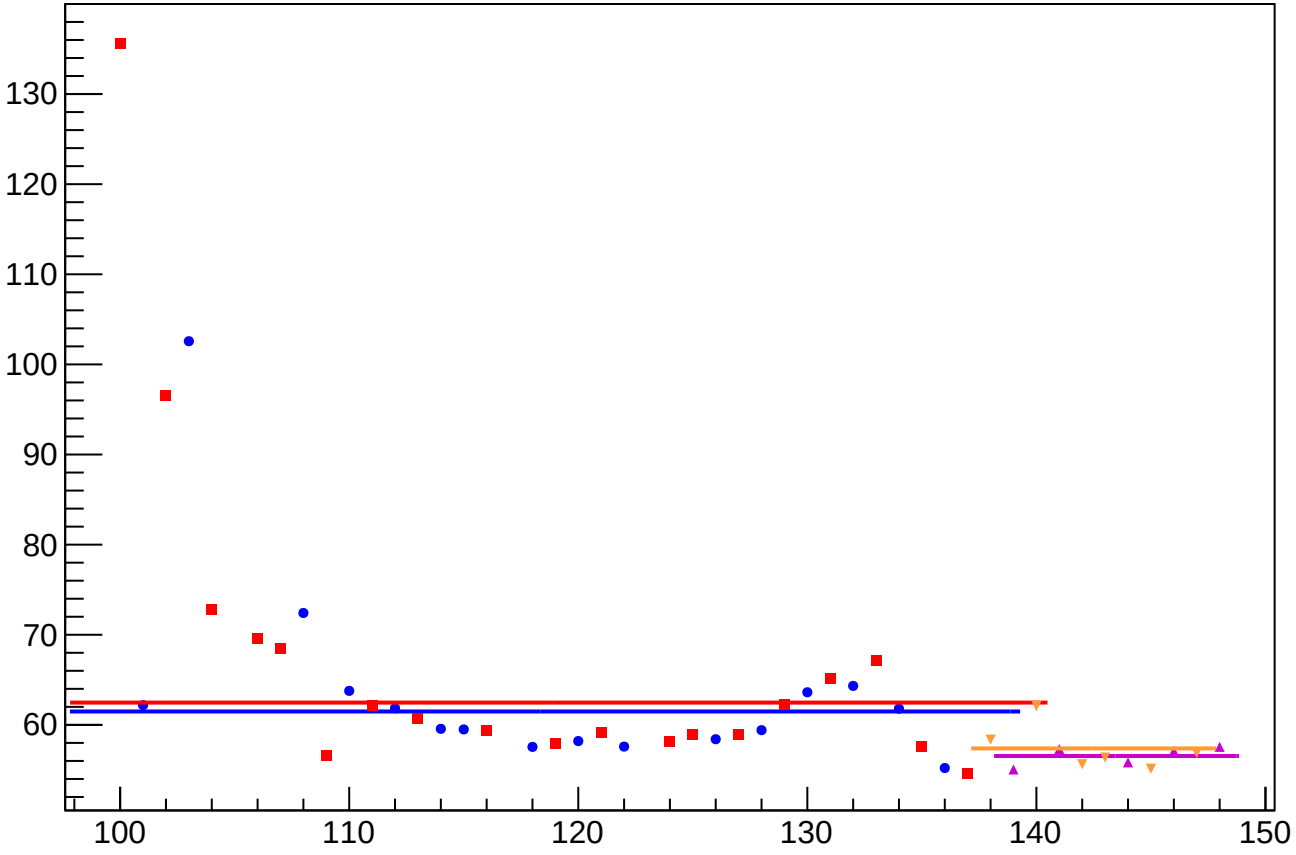
Left In: 146.915+/-27.067 χ^2/NDF:5.7/4

\+ sign -194.023+/-17.573 χ^2/NDF: 33.0/21

All: -27.421+/-12.439 χ^2/NDF: 264.2/45

\- sign 139.907+/-17.611 χ^2/NDF: 51.1/23

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

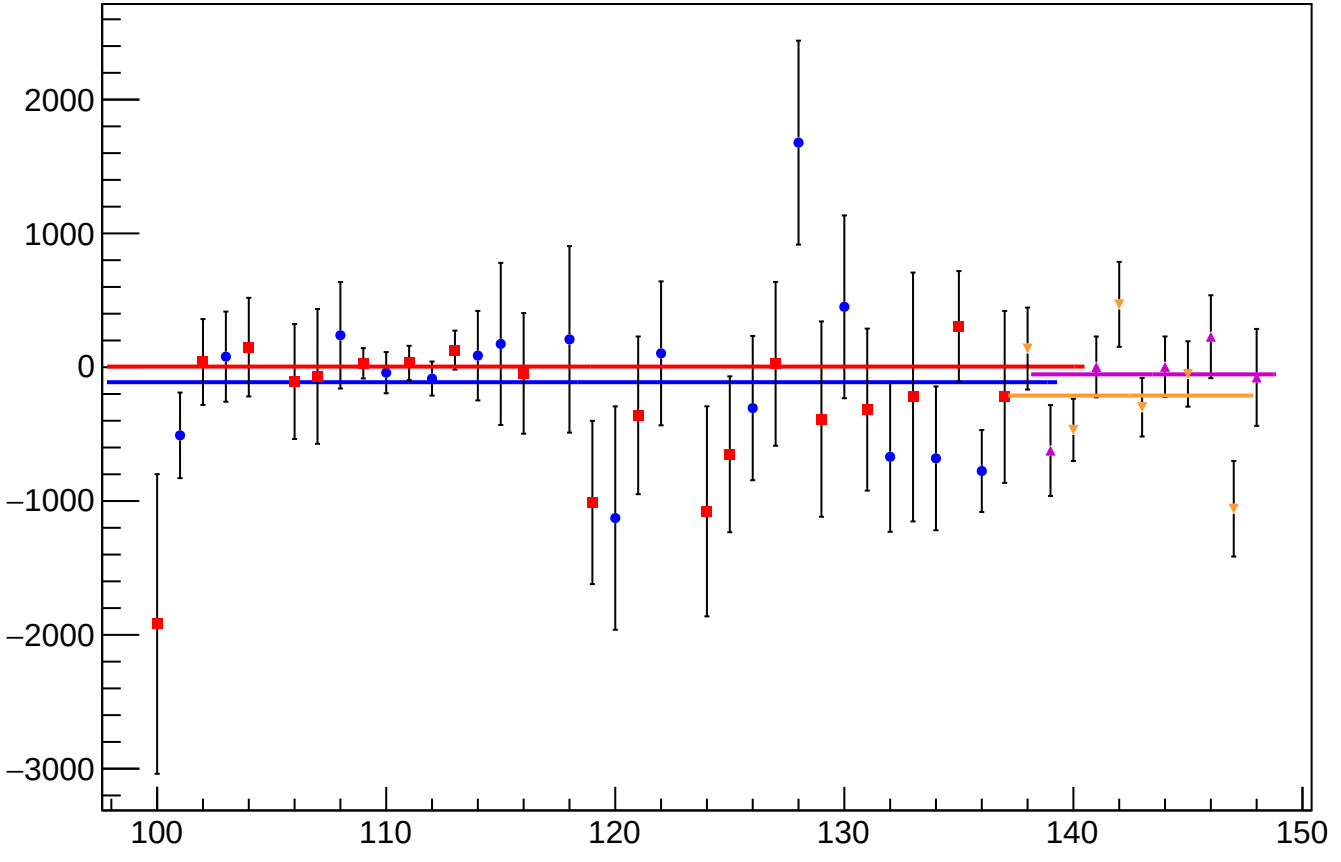
Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.756+/-0.012 χ^2/NDF: 291480.8/21

All: 59.860+/-0.009 χ^2/NDF: 630664.6/45

- sign 59.965+/-0.012 χ^2/NDF: 339041.7/23

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

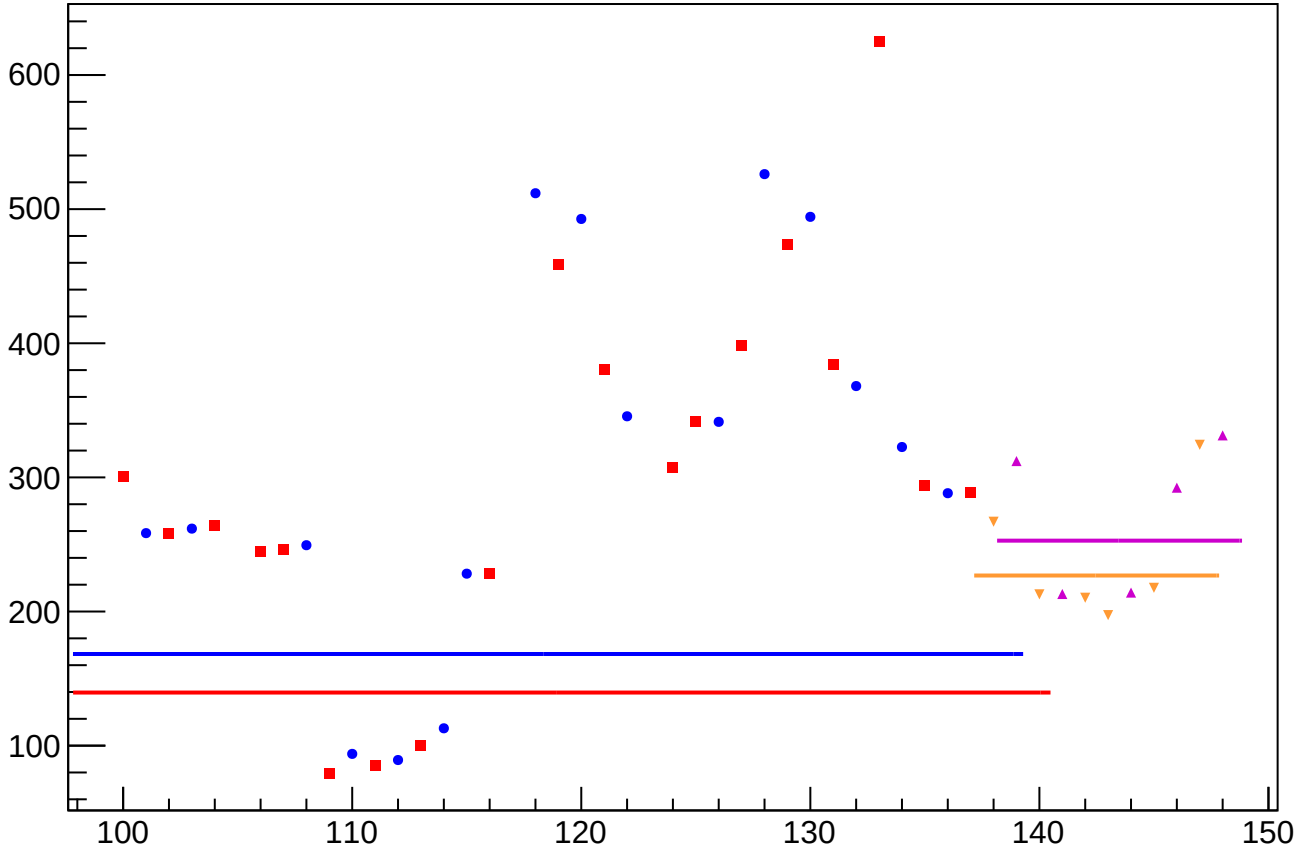
Left In: -53.099+/-123.520 χ^2/NDF:3.8/4

+ sign -144.718+/-62.414 χ^2/NDF: 32.4/21

All: -69.559+/-41.999 χ^2/NDF: 50.6/45

- sign -7.360+/-56.778 χ^2/NDF: 15.6/23

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

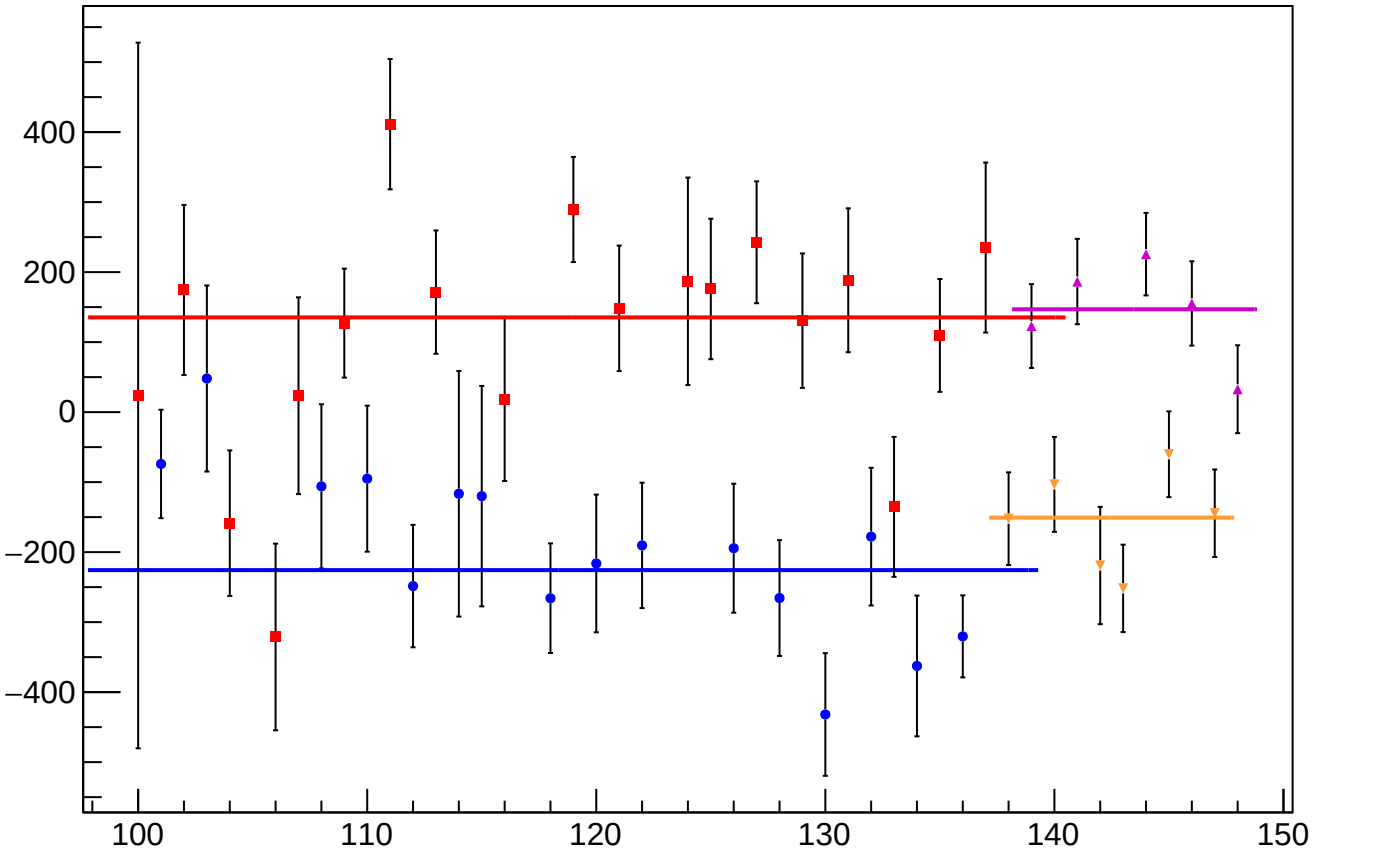
Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 252.841+/-0.087 χ^2/NDF:307001.6/4

+ sign 187.602+/-0.044 χ^2/NDF: 5167954.8/21

All: 174.426+/-0.030 χ^2/NDF: 12117946.5/45

- sign 163.522+/-0.040 χ^2/NDF: 6787094.3/23



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

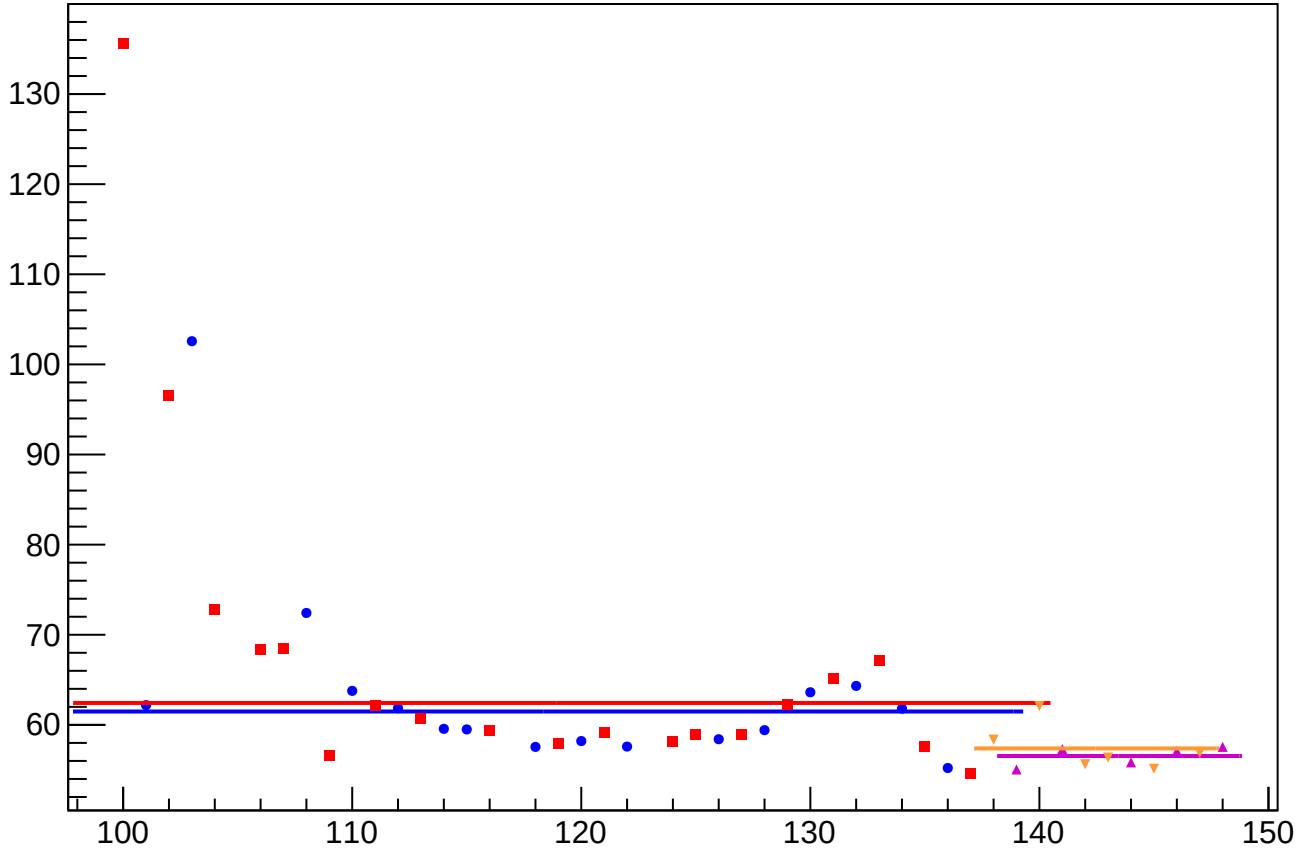
Left In: 146.912+/-27.067 χ^2/NDF:5.7/4

+ sign -194.022+/-17.573 χ^2/NDF: 33.0/21

All: -27.317+/-12.441 χ^2/NDF: 264.2/45

- sign 140.225+/-17.617 χ^2/NDF: 50.7/23

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

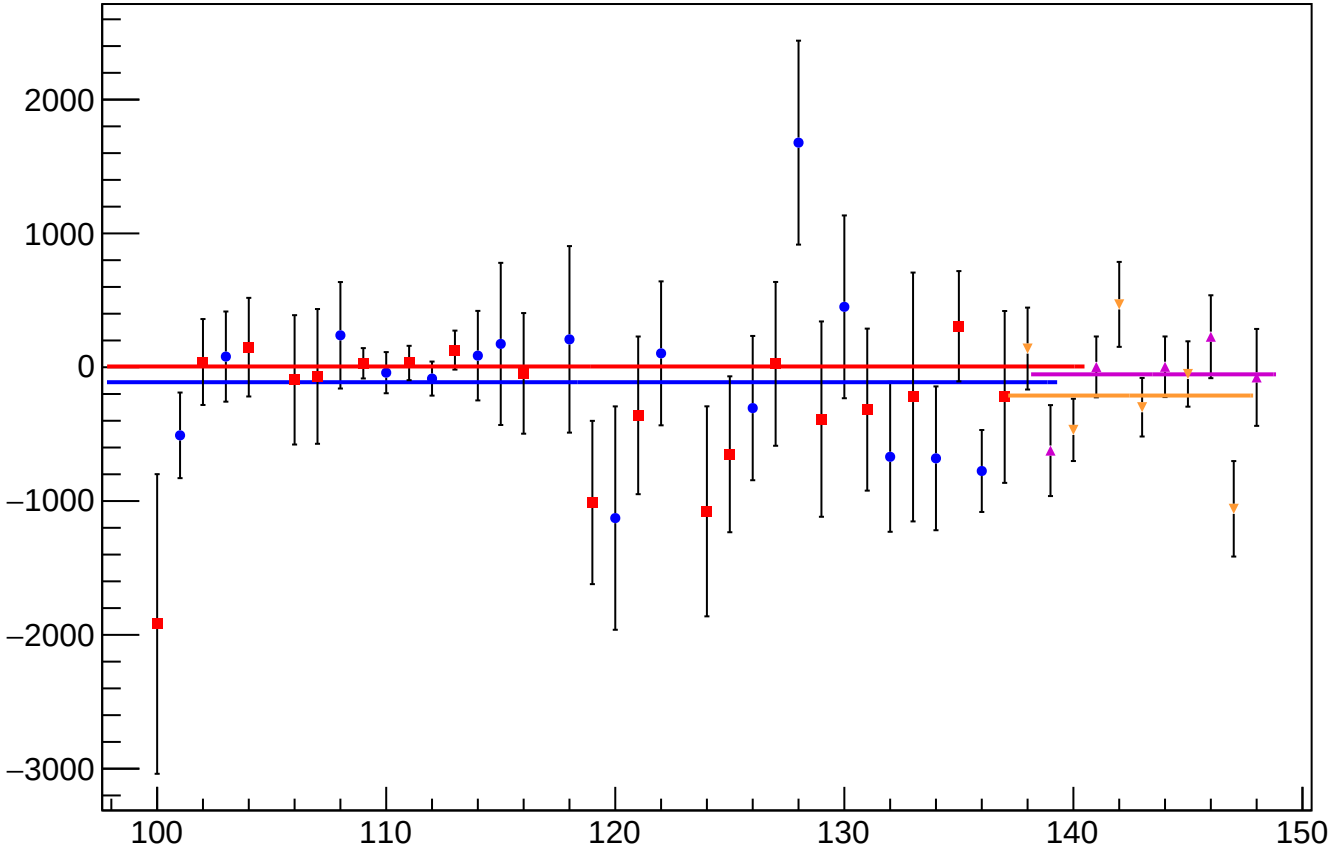
Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.756+/-0.012 χ^2/NDF: 291483.4/21

All: 59.847+/-0.009 χ^2/NDF: 628065.9/45

- sign 59.939+/-0.012 χ^2/NDF: 336474.1/23

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

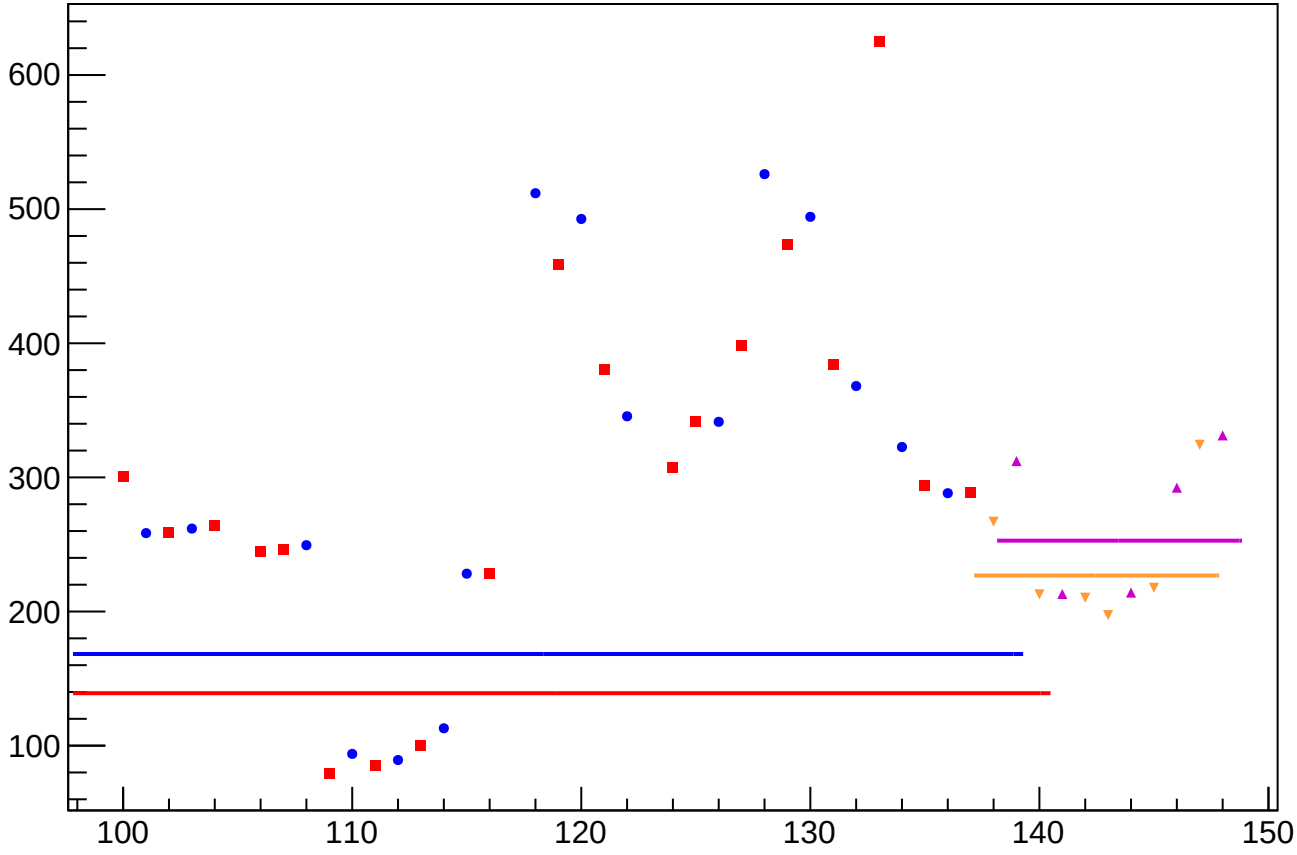
Left In: -53.097+/-123.520 χ^2/NDF:3.8/4

+ sign -144.705+/-62.414 χ^2/NDF: 32.4/21

All: -69.395+/-42.043 χ^2/NDF: 50.6/45

- sign -6.836+/-56.884 χ^2/NDF: 15.5/23

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

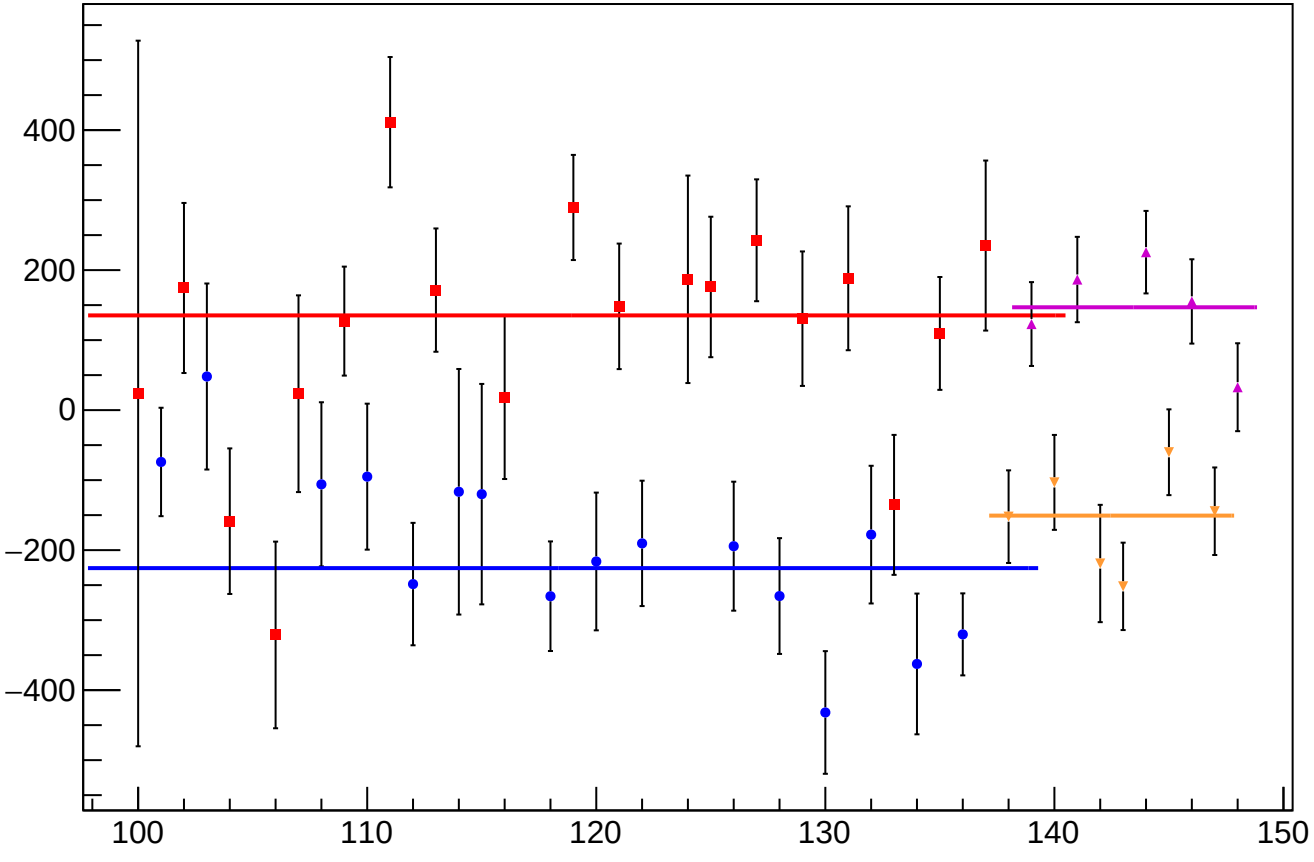
Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

+ sign 187.602+/-0.044 χ^2/NDF: 5167999.7/21

All: 174.287+/-0.030 χ^2/NDF: 12107715.3/45

- sign 163.226+/-0.040 χ^2/NDF: 6773079.1/23

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

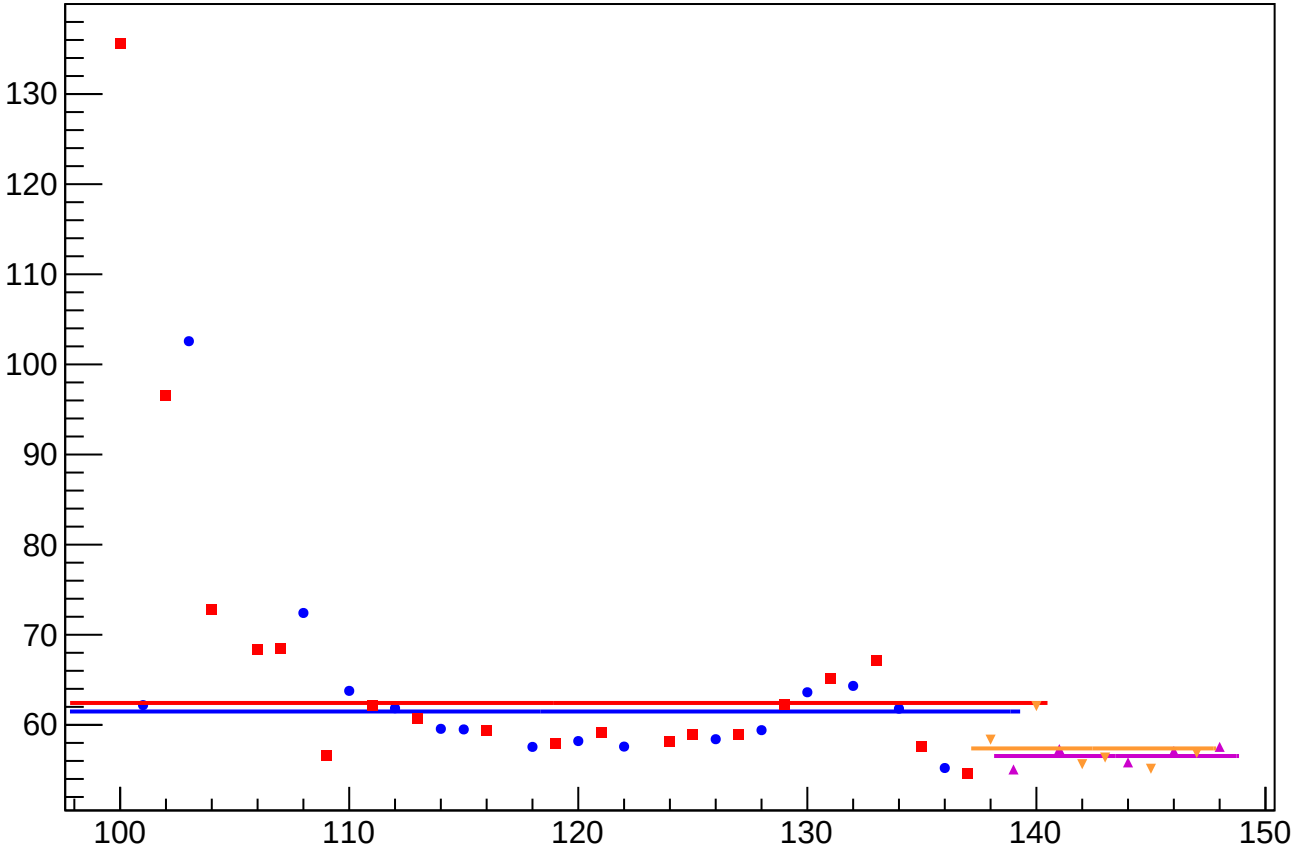
Left In: 146.912+/-27.067 χ^2/NDF:5.7/4

+ sign -194.022+/-17.573 χ^2/NDF: 33.0/21

All: -27.317+/-12.441 χ^2/NDF: 264.2/45

- sign 140.225+/-17.617 χ^2/NDF: 50.7/23

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

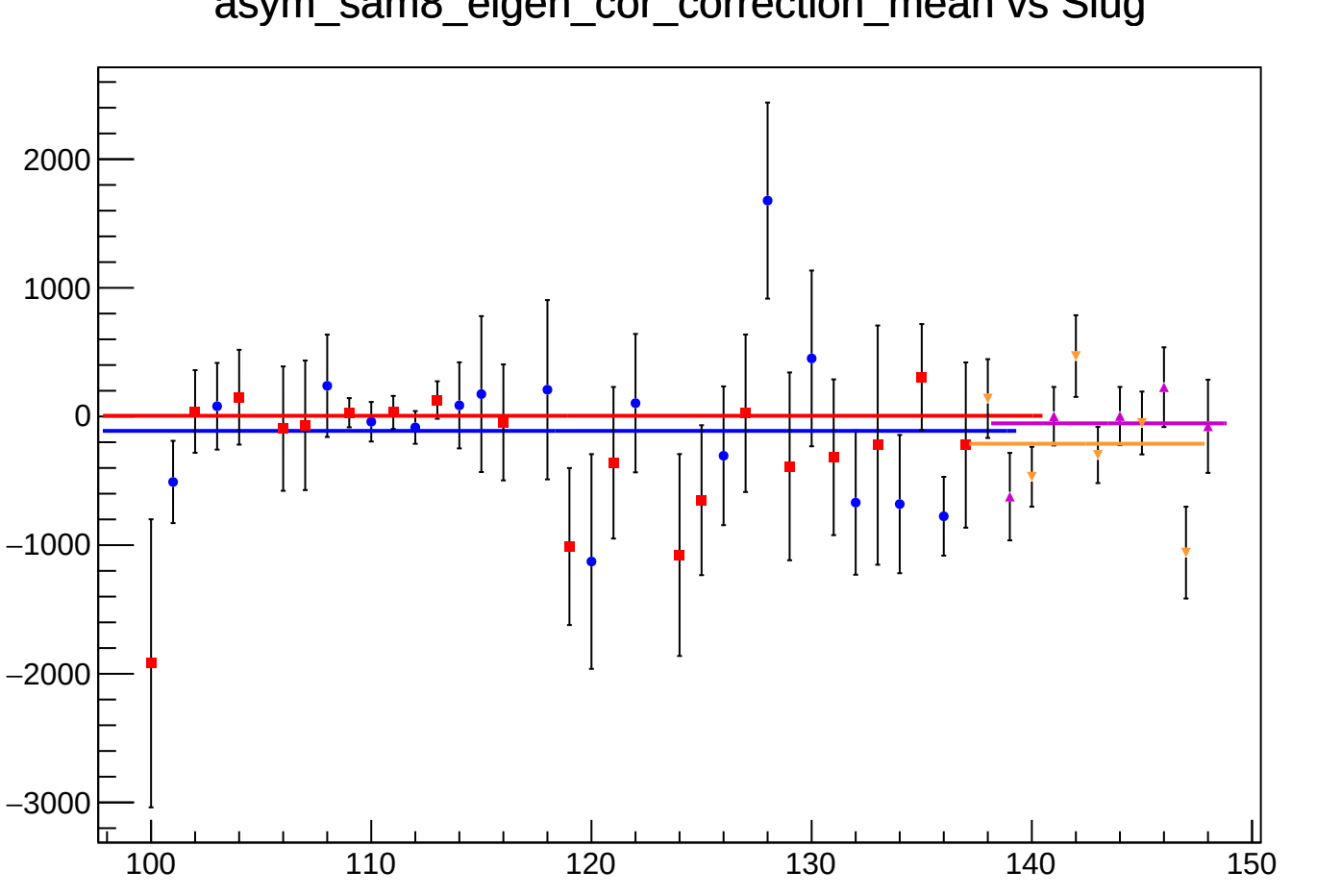
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.756+/-0.012 χ^2/NDF: 291483.4/21

All: 59.847+/-0.009 χ^2/NDF: 628065.9/45

- sign 59.939+/-0.012 χ^2/NDF: 336474.1/23



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

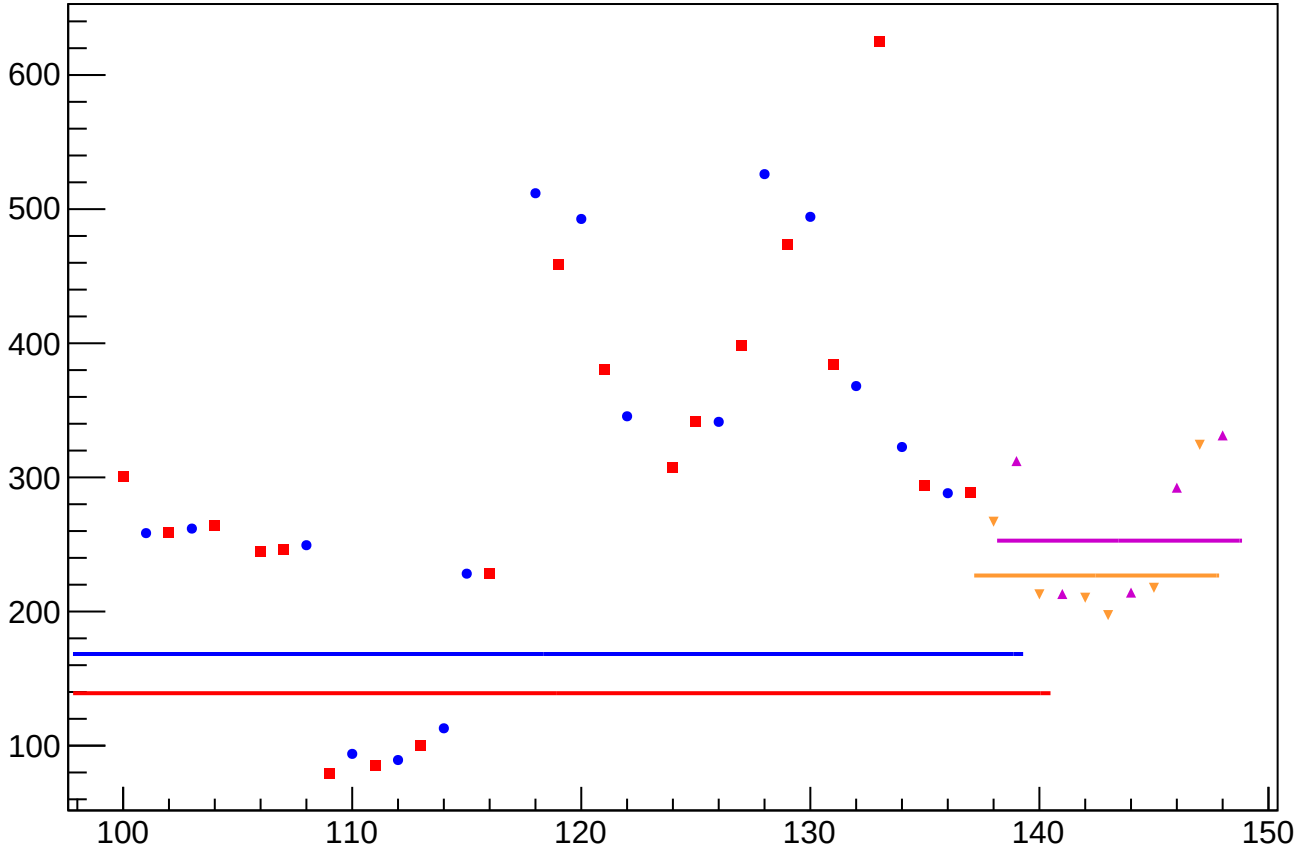
Left In: -53.097+/-123.520 χ^2/NDF:3.8/4

+ sign -144.705+/-62.414 χ^2/NDF: 32.4/21

All: -69.395+/-42.043 χ^2/NDF: 50.6/45

- sign -6.836+/-56.884 χ^2/NDF: 15.5/23

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

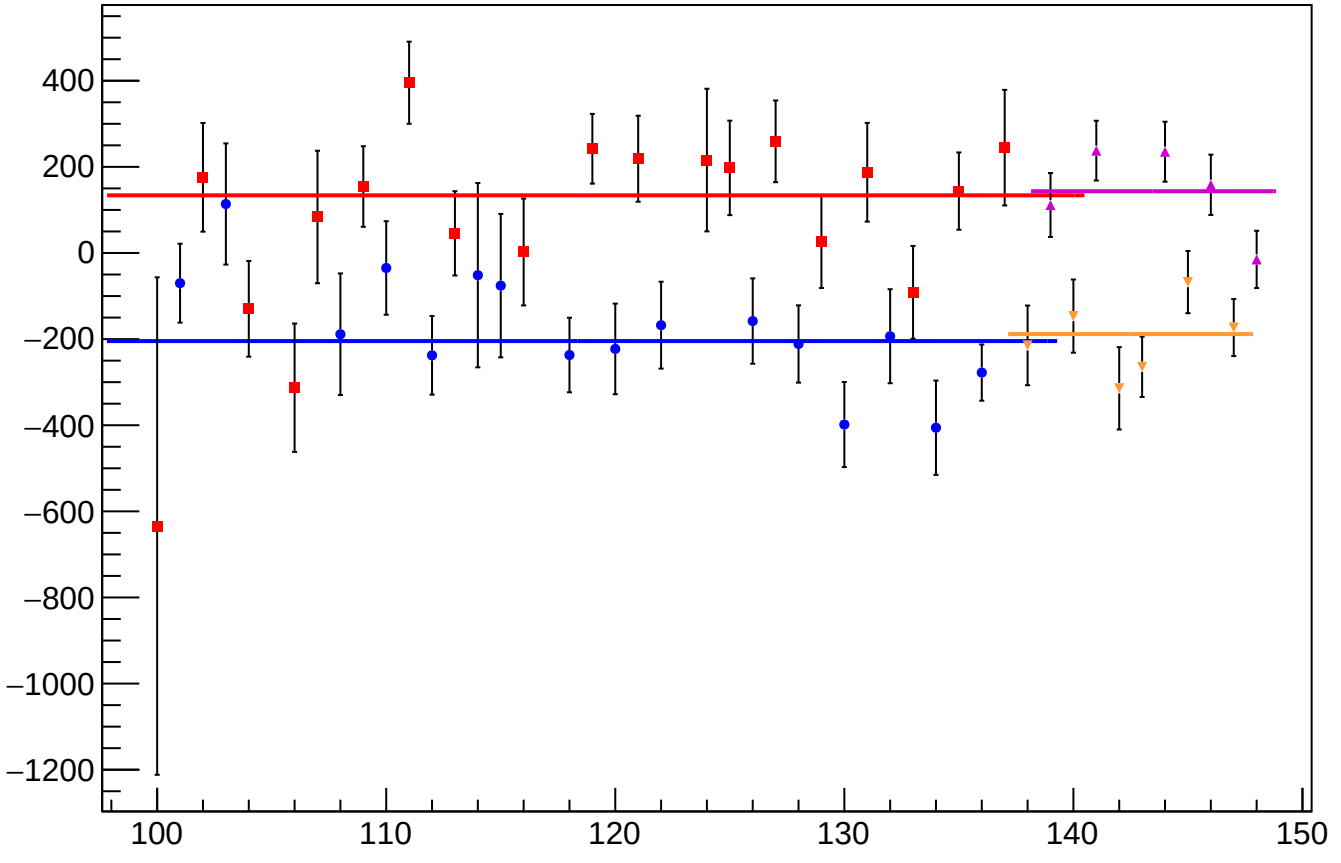
Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

+ sign 187.602+/-0.044 χ^2/NDF: 5167999.7/21

All: 174.287+/-0.030 χ^2/NDF: 12107715.3/45

- sign 163.226+/-0.040 χ^2/NDF: 6773079.1/23

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

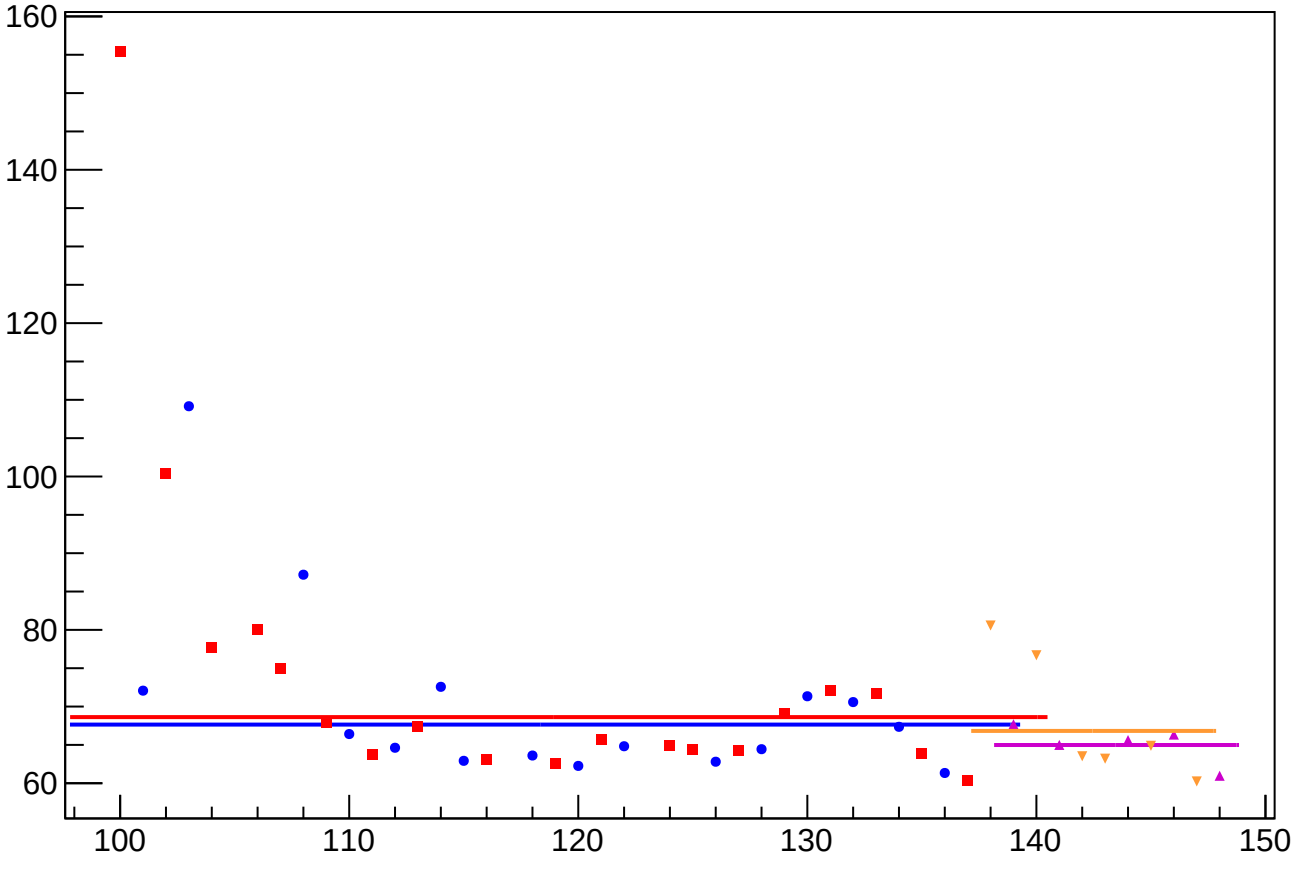
Left In: 143.412+/-31.224 χ^2/NDF:9.5/4

+ sign -198.204+/-19.910 χ^2/NDF: 26.2/21

All: -28.828+/-14.019 χ^2/NDF: 216.5/45

- sign 137.718+/-19.743 χ^2/NDF: 46.8/23

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

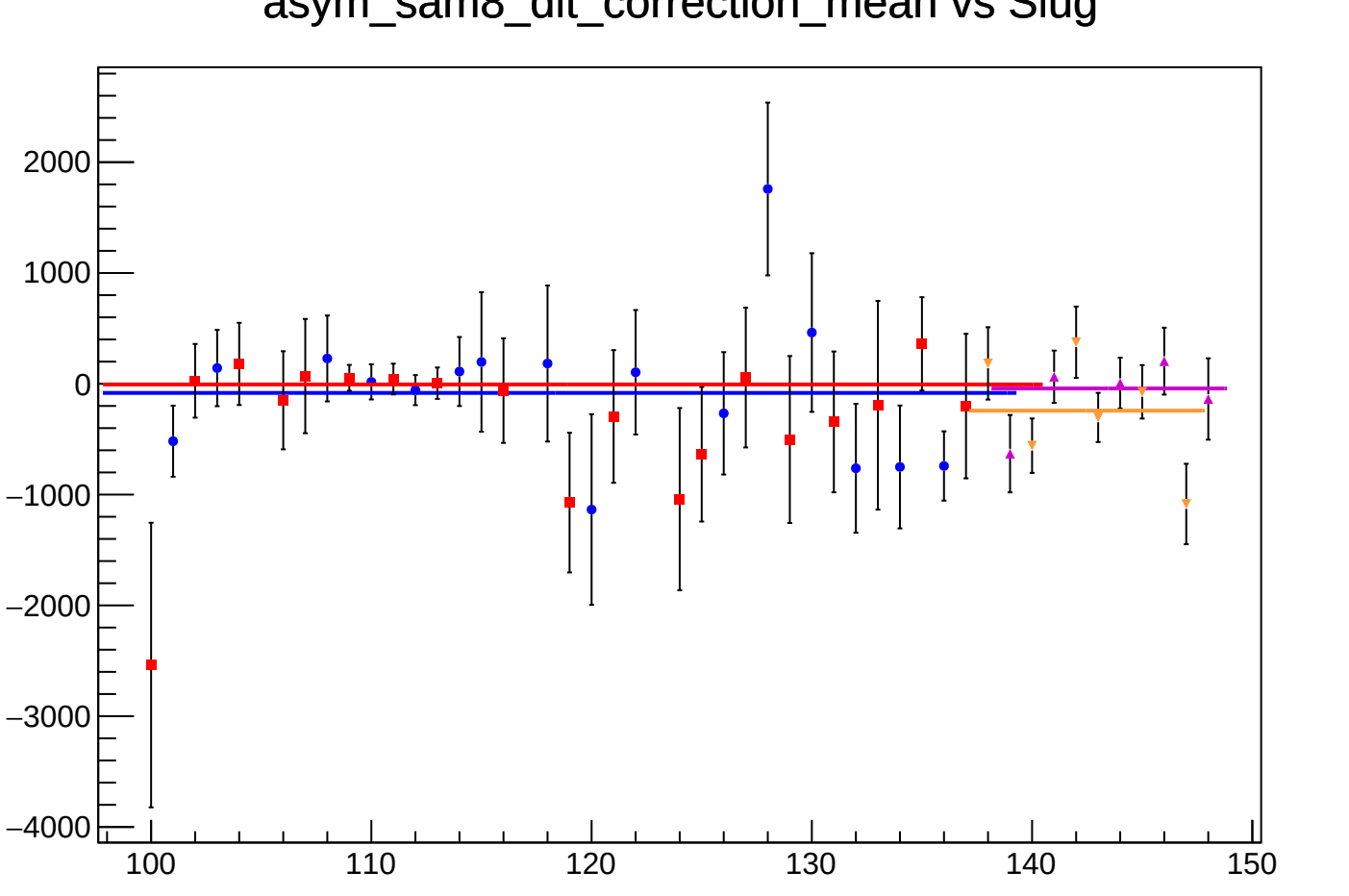
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.985+/-0.022 χ^2/NDF:10857.2/4

+ sign 67.325+/-0.014 χ^2/NDF: 364590.0/21

All: 67.246+/-0.010 χ^2/NDF: 639975.3/45

- sign 67.169+/-0.014 χ^2/NDF: 275323.7/23



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

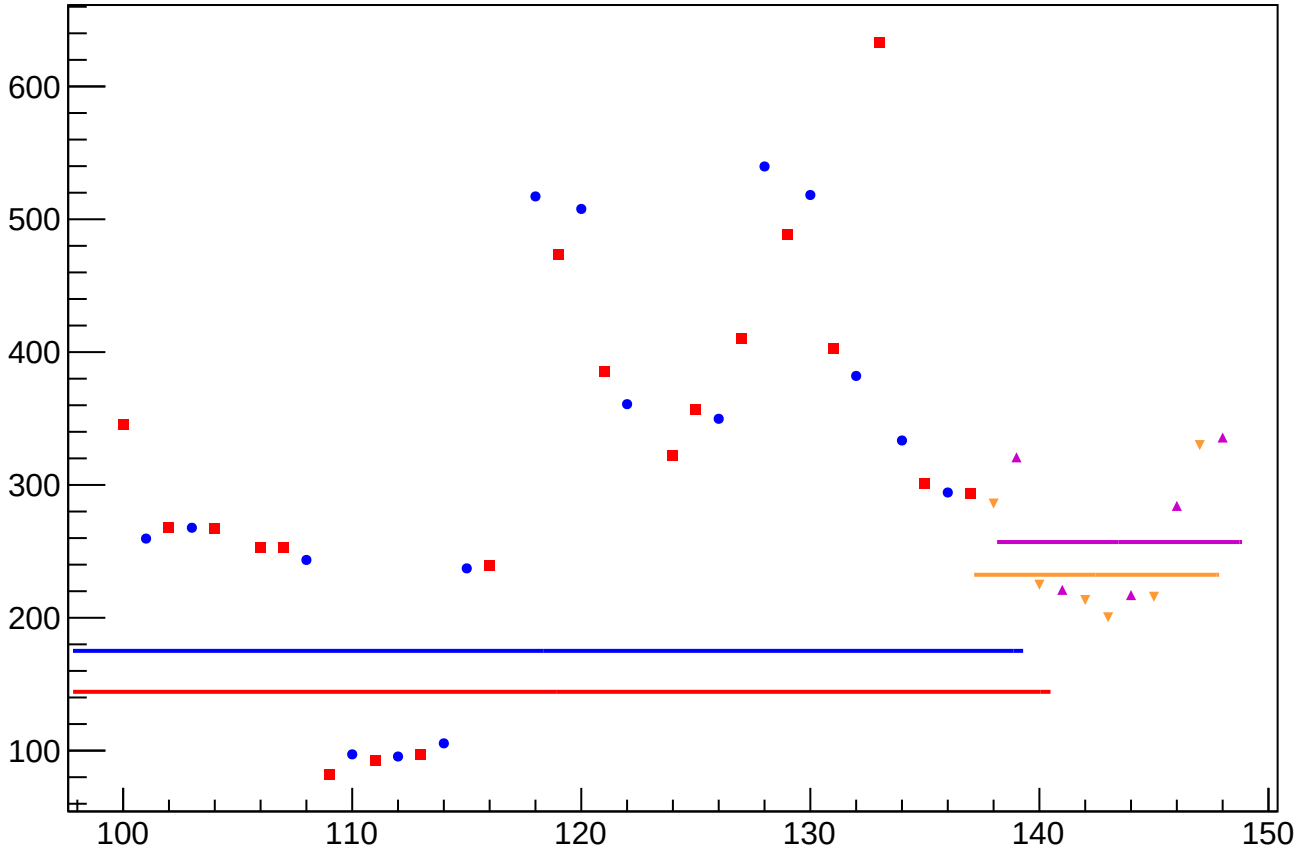
Left In: -42.295+/-125.402 χ^2/NDF:3.8/4

+ sign -135.525+/-64.255 χ^2/NDF: 33.6/21

All: -68.863+/-43.194 χ^2/NDF: 51.5/45

- sign -13.906+/-58.343 χ^2/NDF: 15.9/23

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

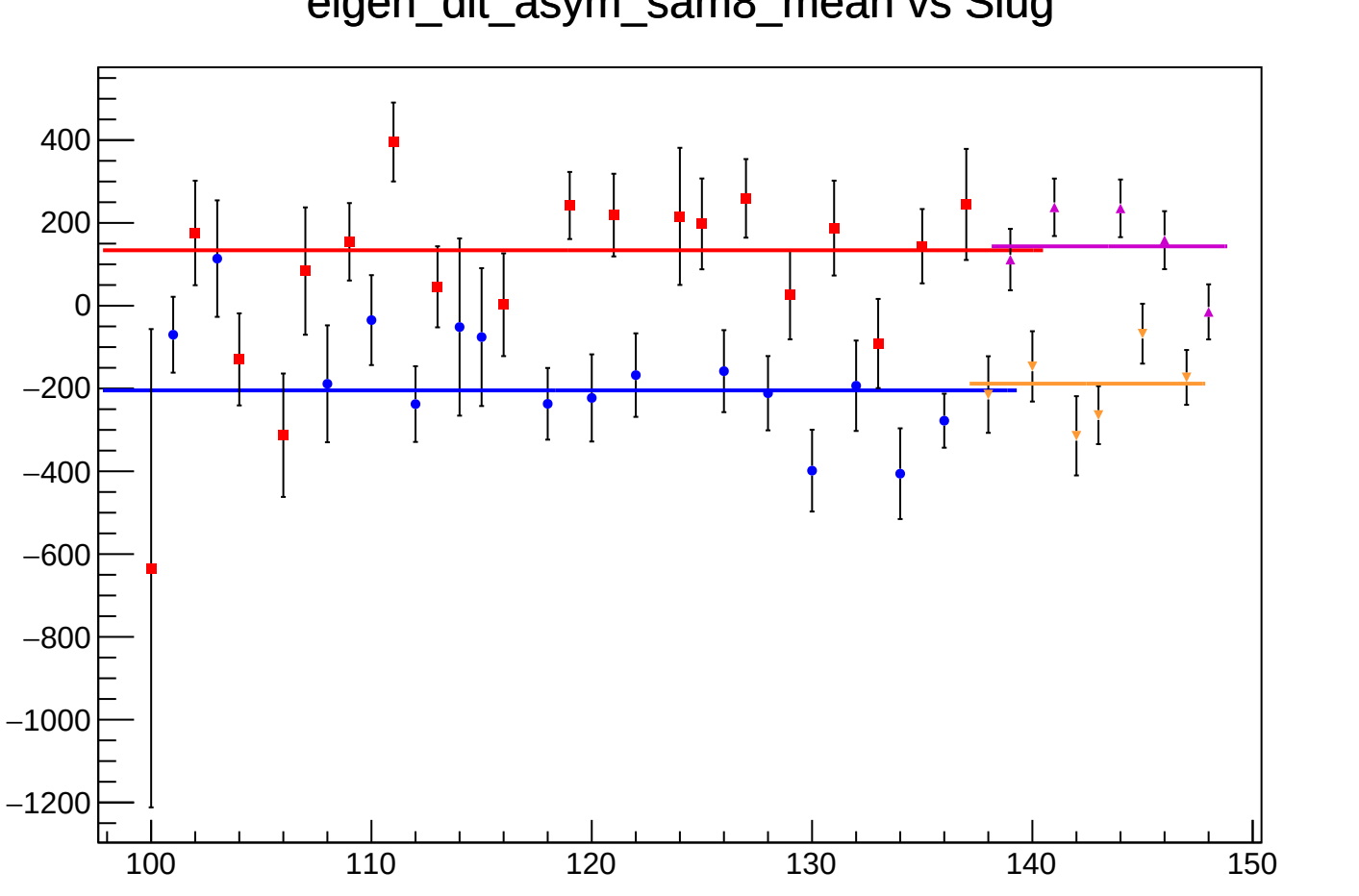
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 257.026+/-0.089 χ^2/NDF:282101.7/4

+ sign 194.179+/-0.045 χ^2/NDF: 5040692.6/21

All: 180.203+/-0.031 χ^2/NDF: 11894677.4/45

- sign 168.681+/-0.041 χ^2/NDF: 6681360.3/23



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

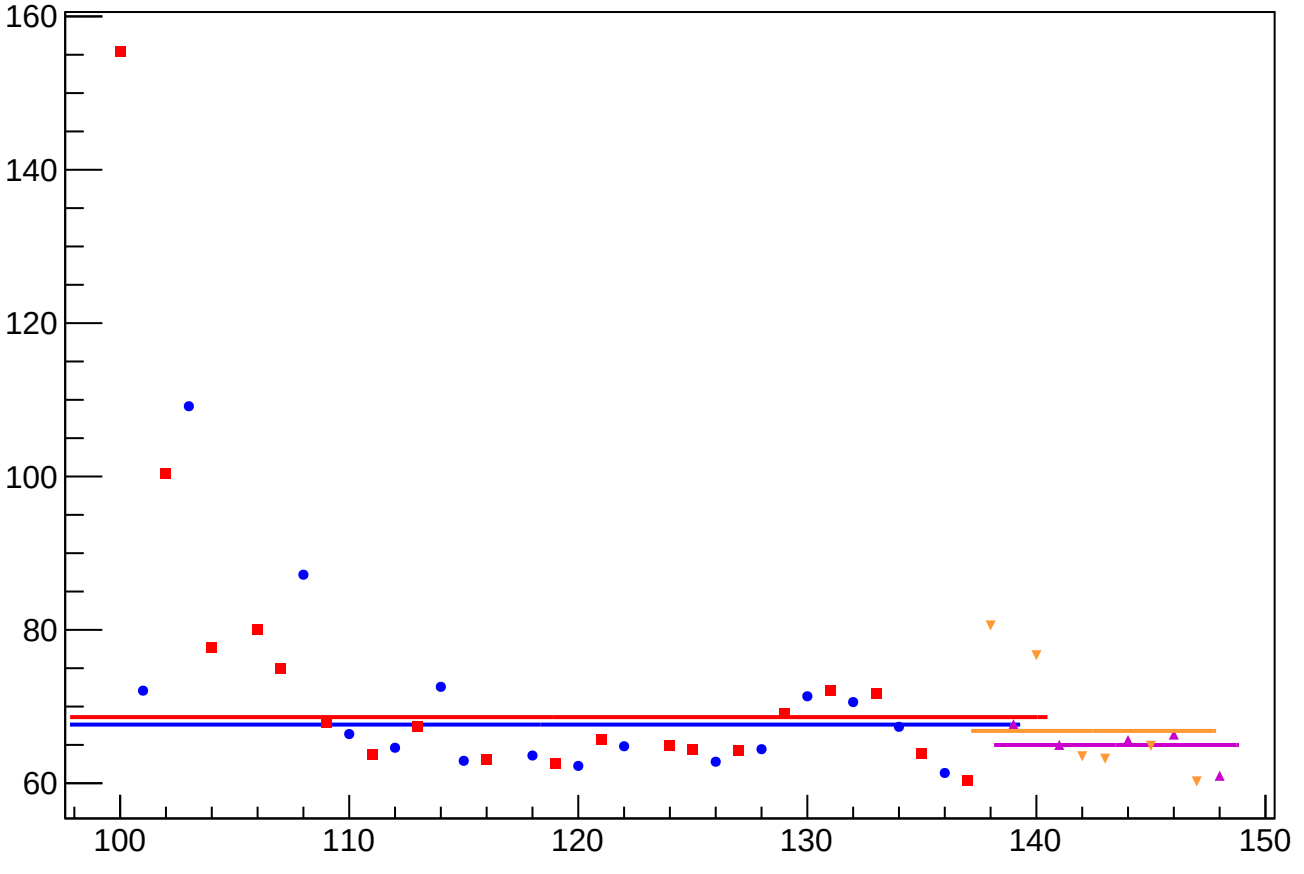
Left In: 143.412+/-31.224 χ^2/NDF:9.5/4

+ sign -198.204+/-19.910 χ^2/NDF: 26.2/21

All: -28.828+/-14.019 χ^2/NDF: 216.5/45

- sign 137.718+/-19.743 χ^2/NDF: 46.8/23

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

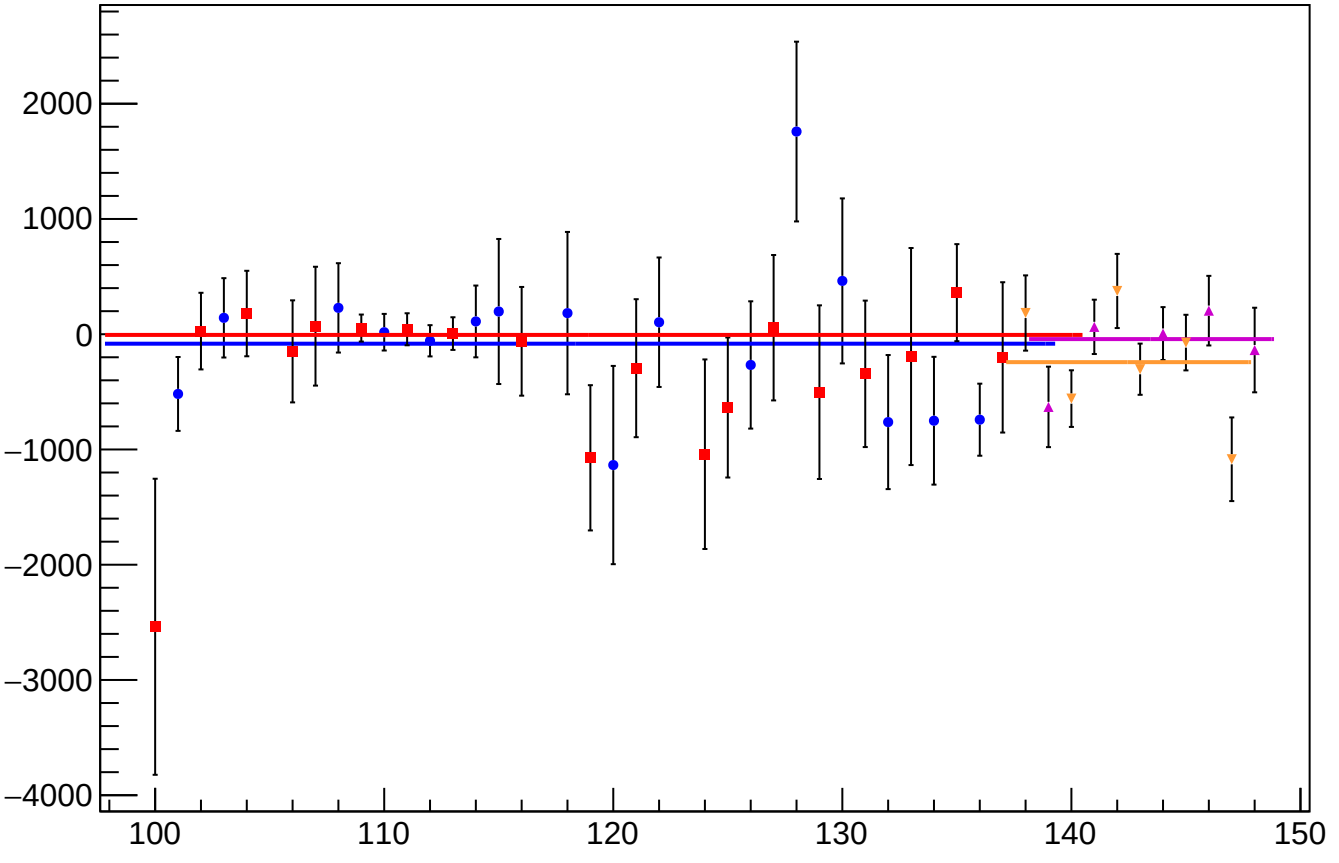
Left In: 64.985+/-0.022 χ^2/NDF:10857.4/4

+ sign 67.325+/-0.014 χ^2/NDF: 364586.6/21

All: 67.246+/-0.010 χ^2/NDF: 639970.8/45

- sign 67.169+/-0.014 χ^2/NDF: 275322.6/23

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

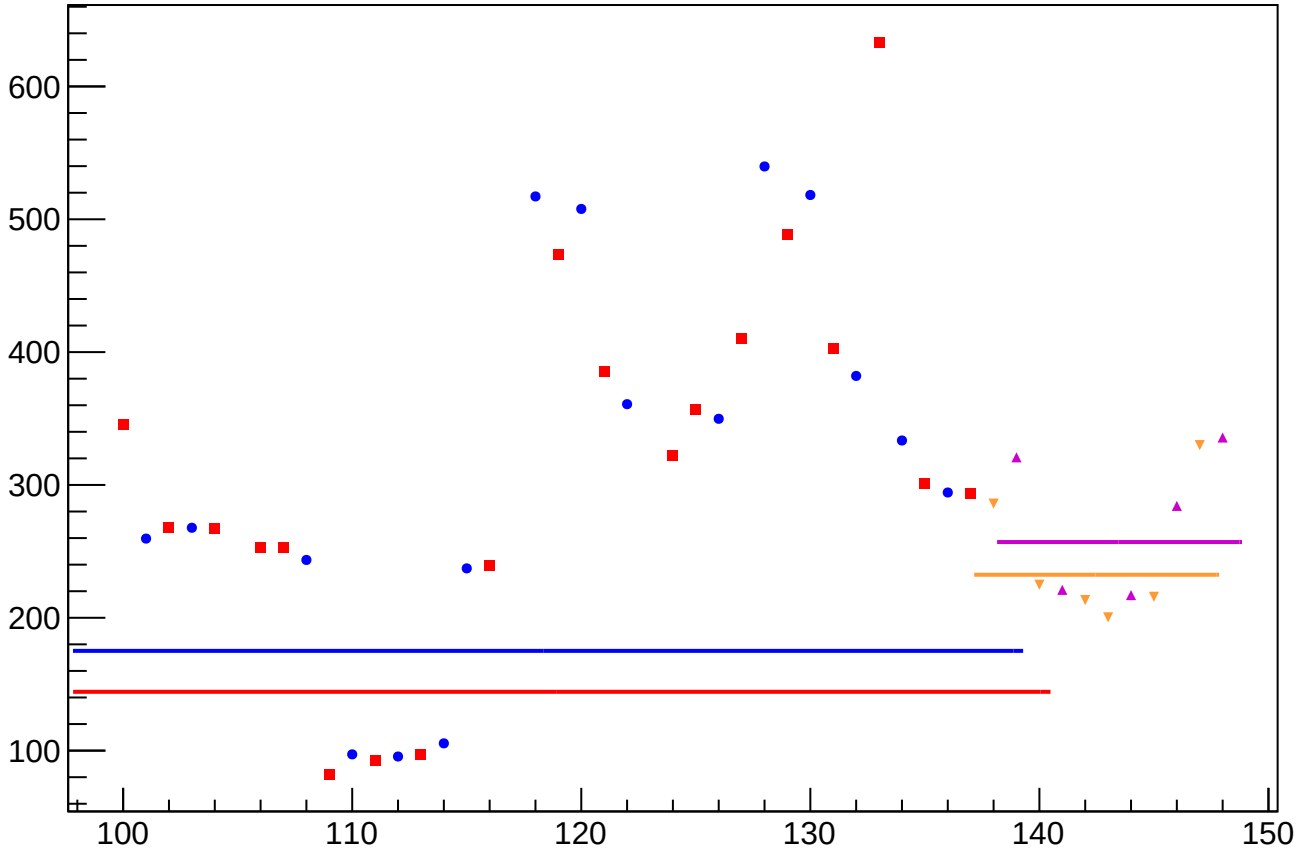
Left In: -42.295+/-125.401 χ^2/NDF:3.8/4

+ sign -135.524+/-64.255 χ^2/NDF: 33.6/21

All: -68.863+/-43.194 χ^2/NDF: 51.5/45

- sign -13.905+/-58.342 χ^2/NDF: 15.9/23

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

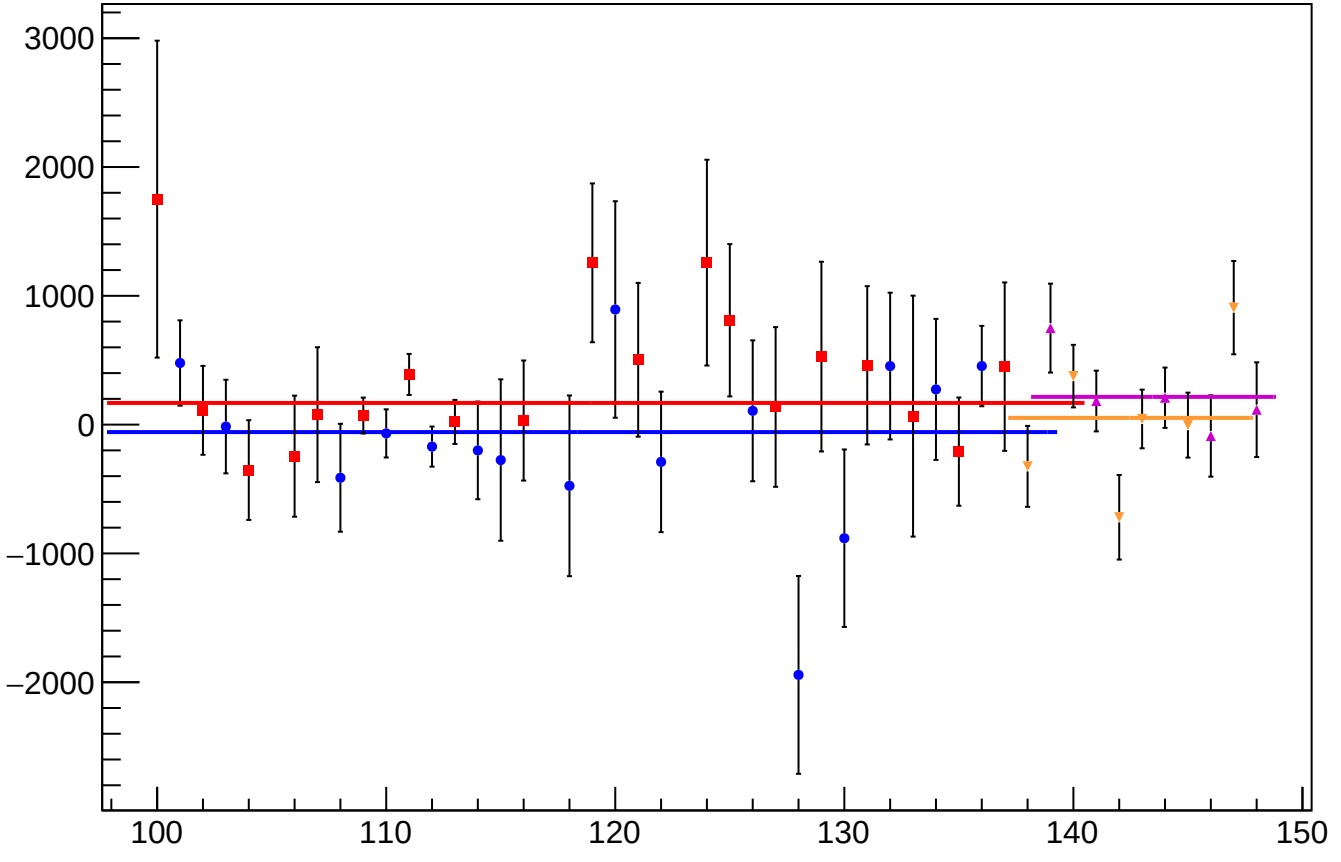
Left In: 257.025+/-0.089 χ^2/NDF:282099.5/4

+ sign 194.178+/-0.045 χ^2/NDF: 5040722.0/21

All: 180.202+/-0.031 χ^2/NDF: 11894667.1/45

- sign 168.681+/-0.041 χ^2/NDF: 6681331.8/23

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

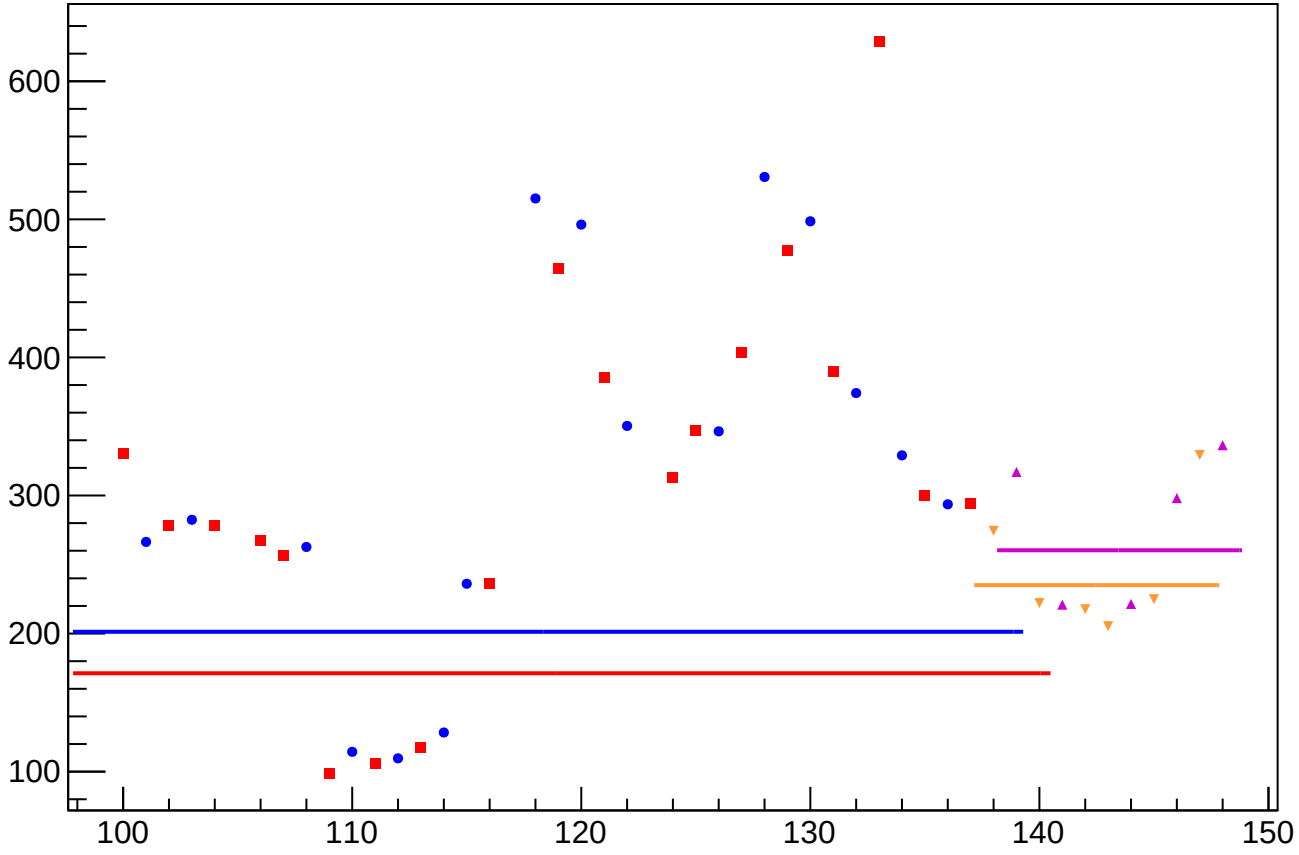
Left In: 215.468+/-126.934 χ^2/NDF:3.4/4

+ sign -16.709+/-68.769 χ^2/NDF: 32.4/21

All: 88.449+/-46.973 χ^2/NDF: 55.7/45

- sign 180.425+/-64.314 χ^2/NDF: 19.0/23

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

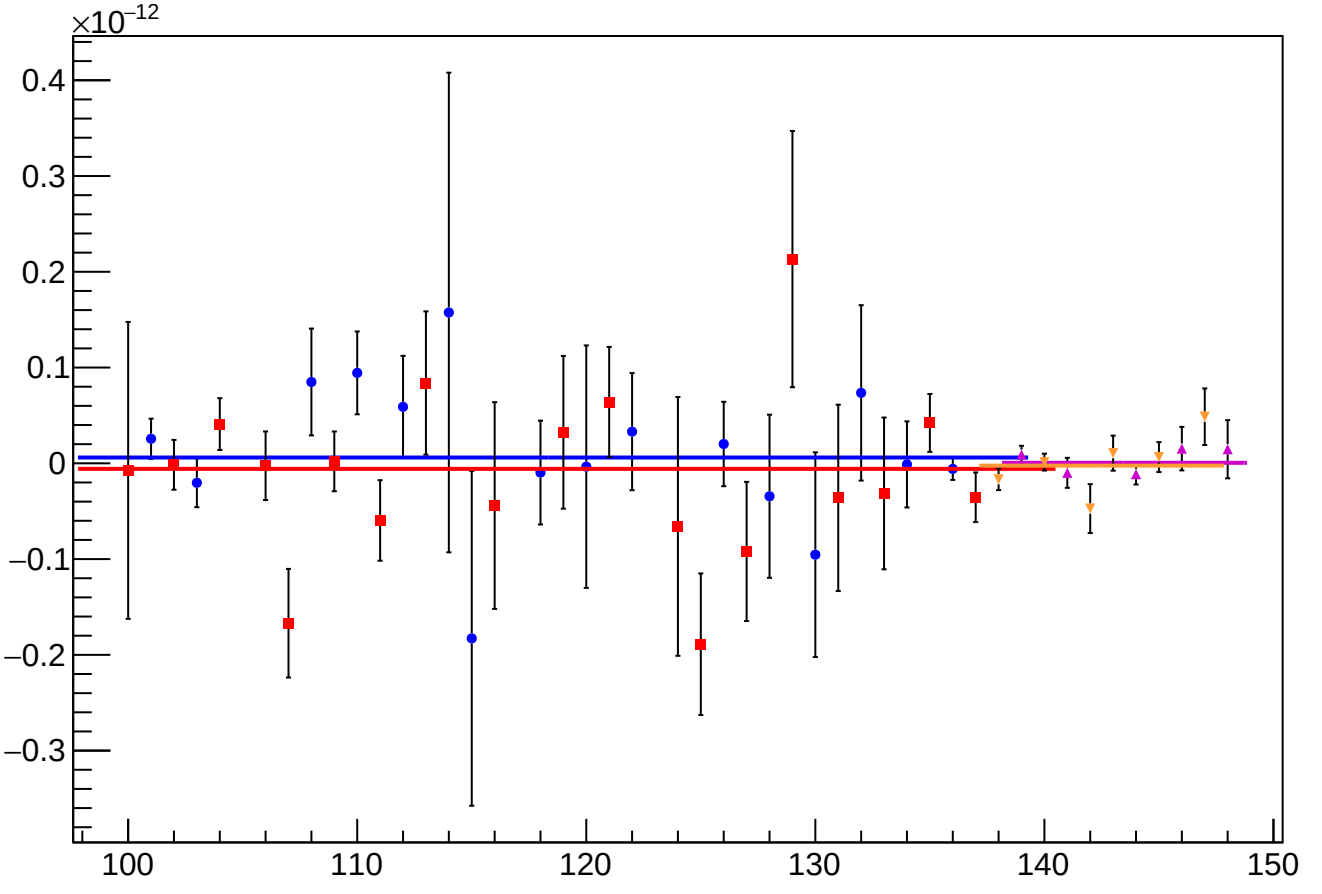
Left In: 260.326+/-0.090 χ^2/NDF:279157.0/4

+ sign 213.917+/-0.049 χ^2/NDF: 3900529.9/21

All: 203.356+/-0.033 χ^2/NDF: 9192705.0/45

- sign 194.118+/-0.045 χ^2/NDF: 5203745.0/23

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

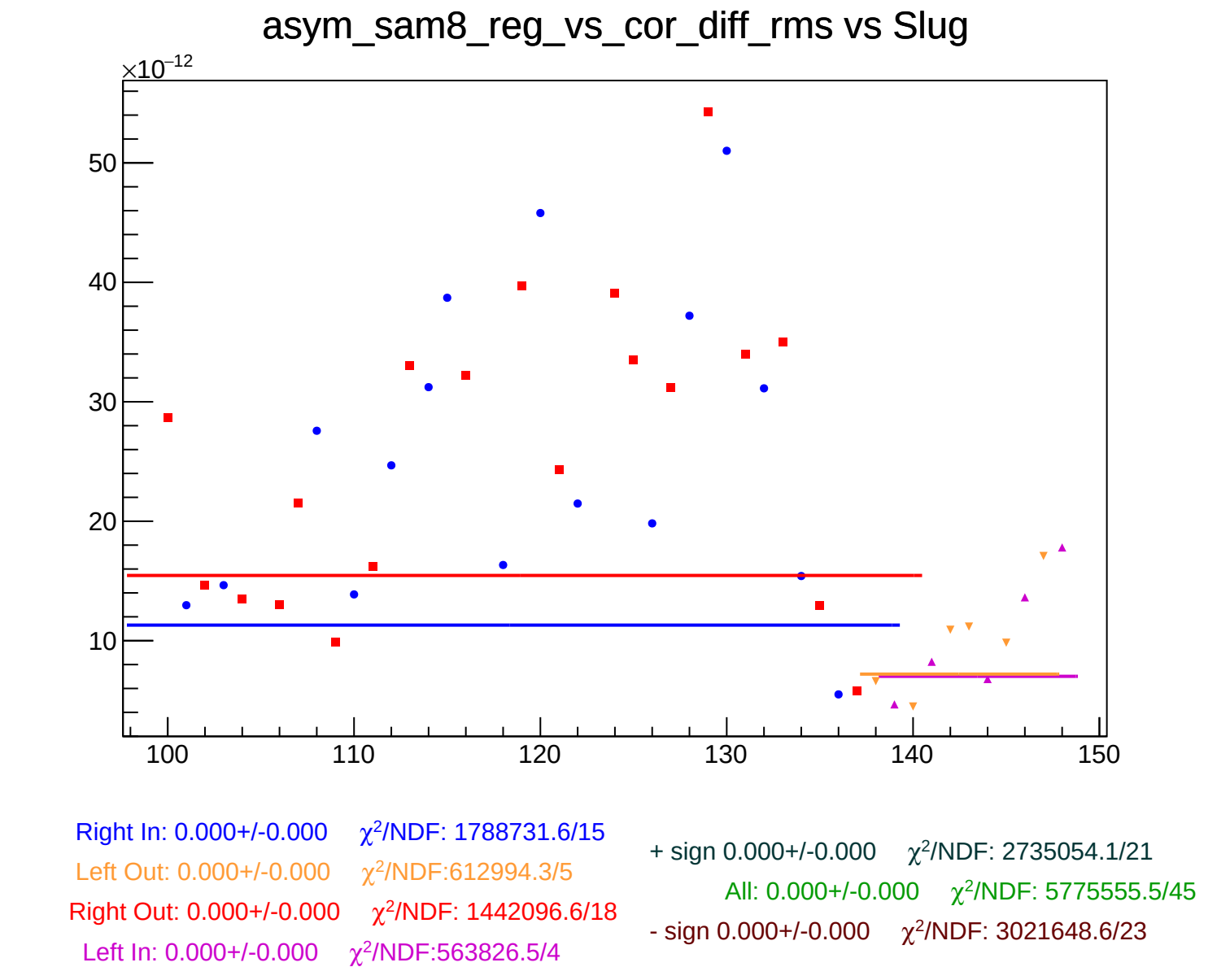
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

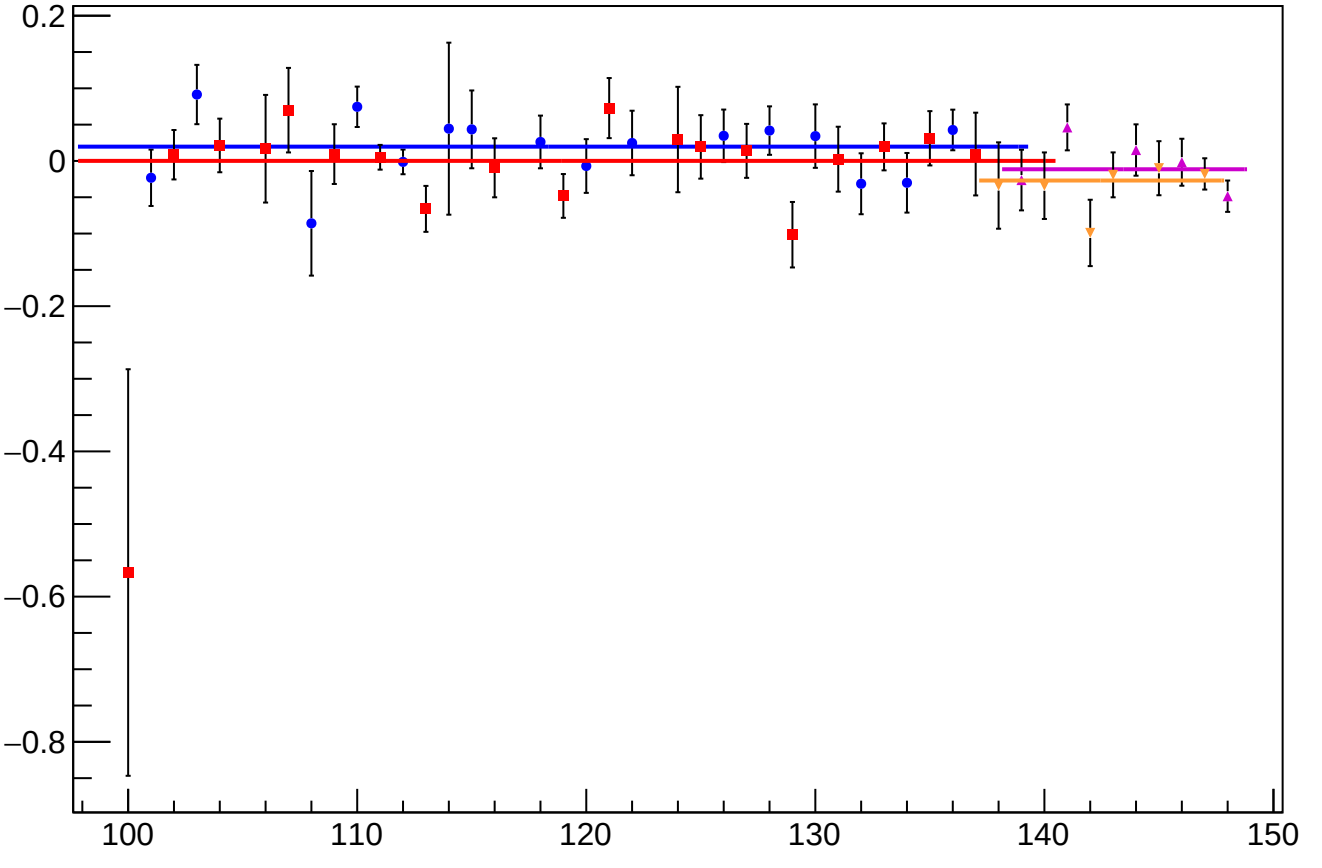
Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/21

All: -0.000+/-0.000 χ^2/NDF: 57.2/45

- sign -0.000+/-0.000 χ^2/NDF: 33.9/23


asym_sam8_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:612994.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:563826.5/4
+ sign 0.000+/-0.000 χ²/NDF: 2735054.1/21
All: 0.000+/-0.000 χ²/NDF: 5775555.5/45
- sign 0.000+/-0.000 χ²/NDF: 3021648.6/23



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

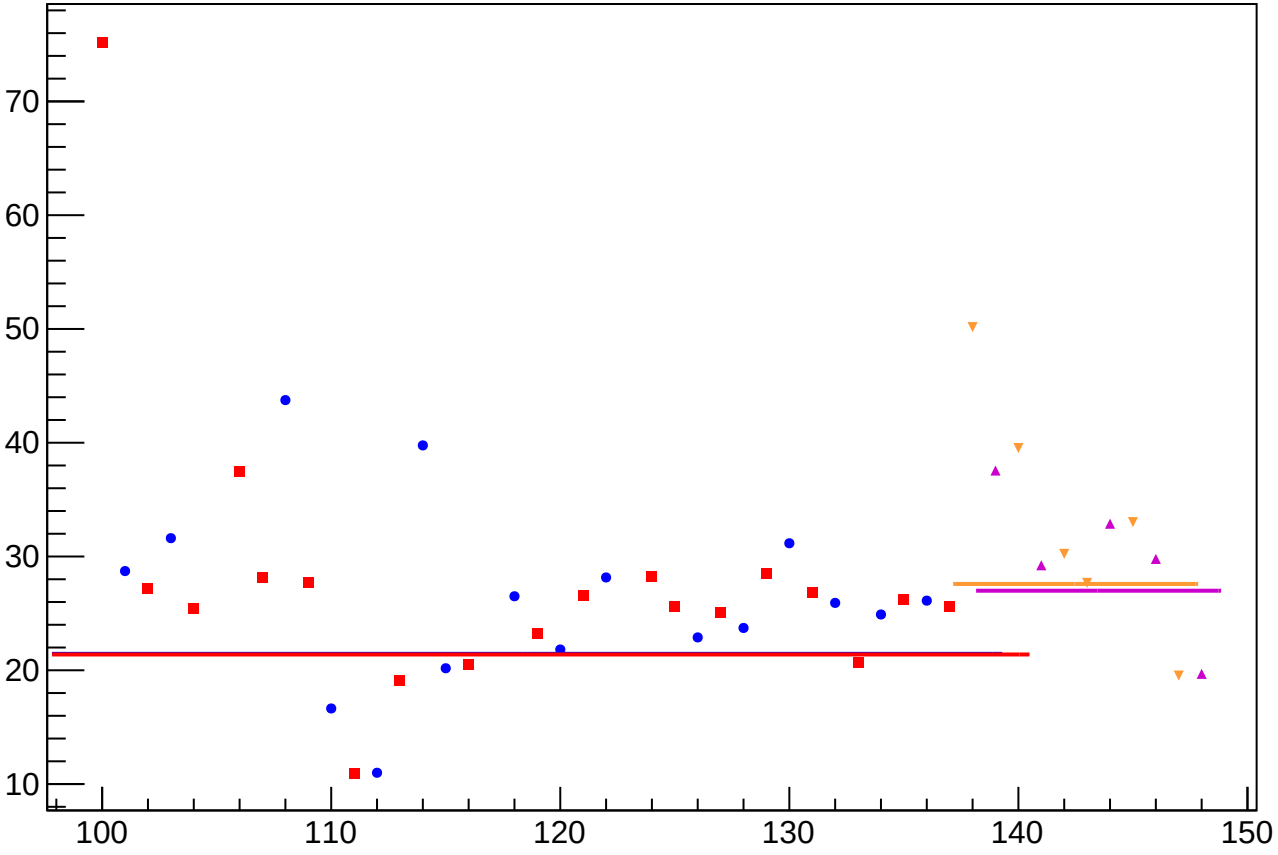
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.002+/-0.005 χ^2/NDF: 59.4/45

- sign -0.003+/-0.007 χ^2/NDF: 30.4/23

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

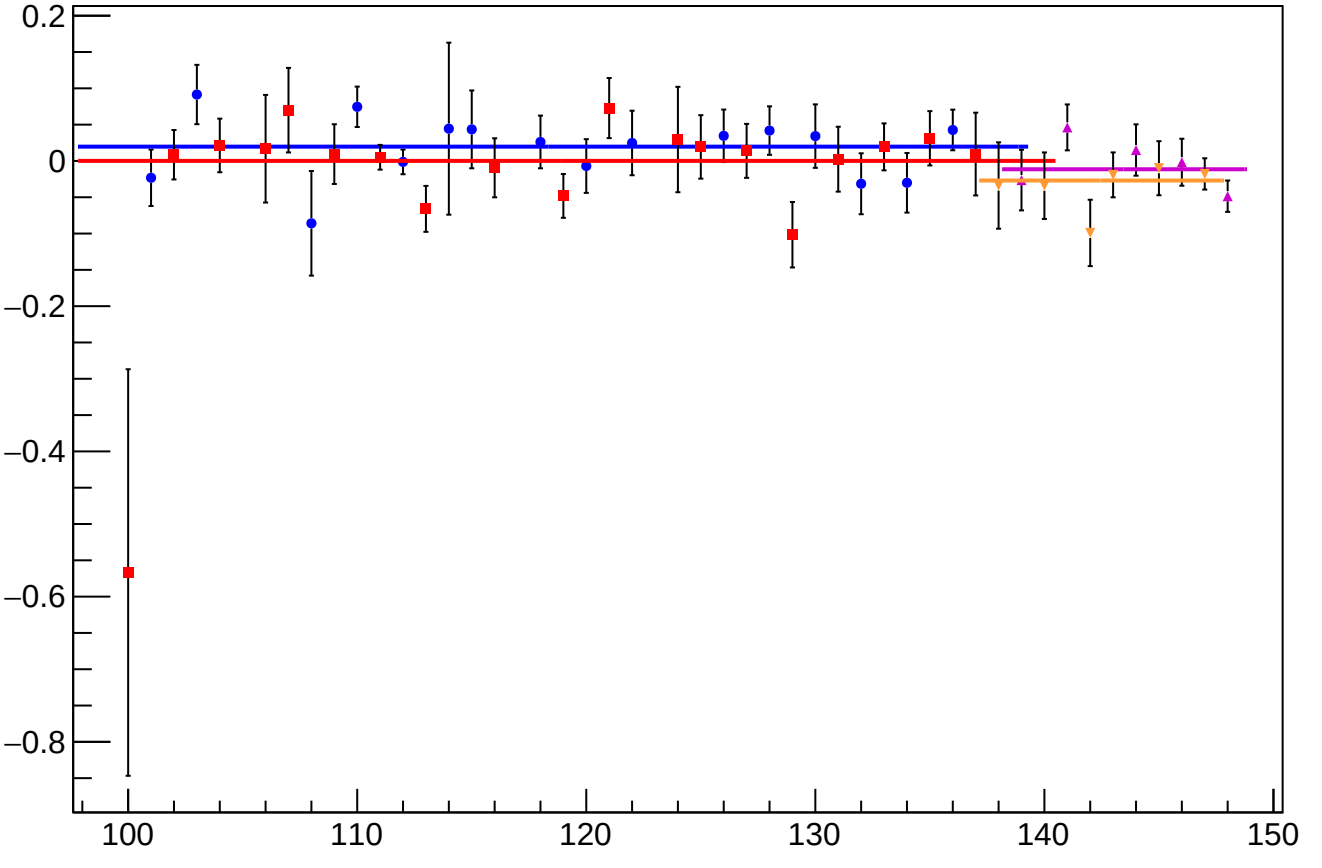
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

+ sign 23.165+/-0.005 χ^2/NDF: 2574056.9/21

All: 23.070+/-0.004 χ^2/NDF: 4570532.7/45

- sign 22.980+/-0.005 χ^2/NDF: 1995828.3/23



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

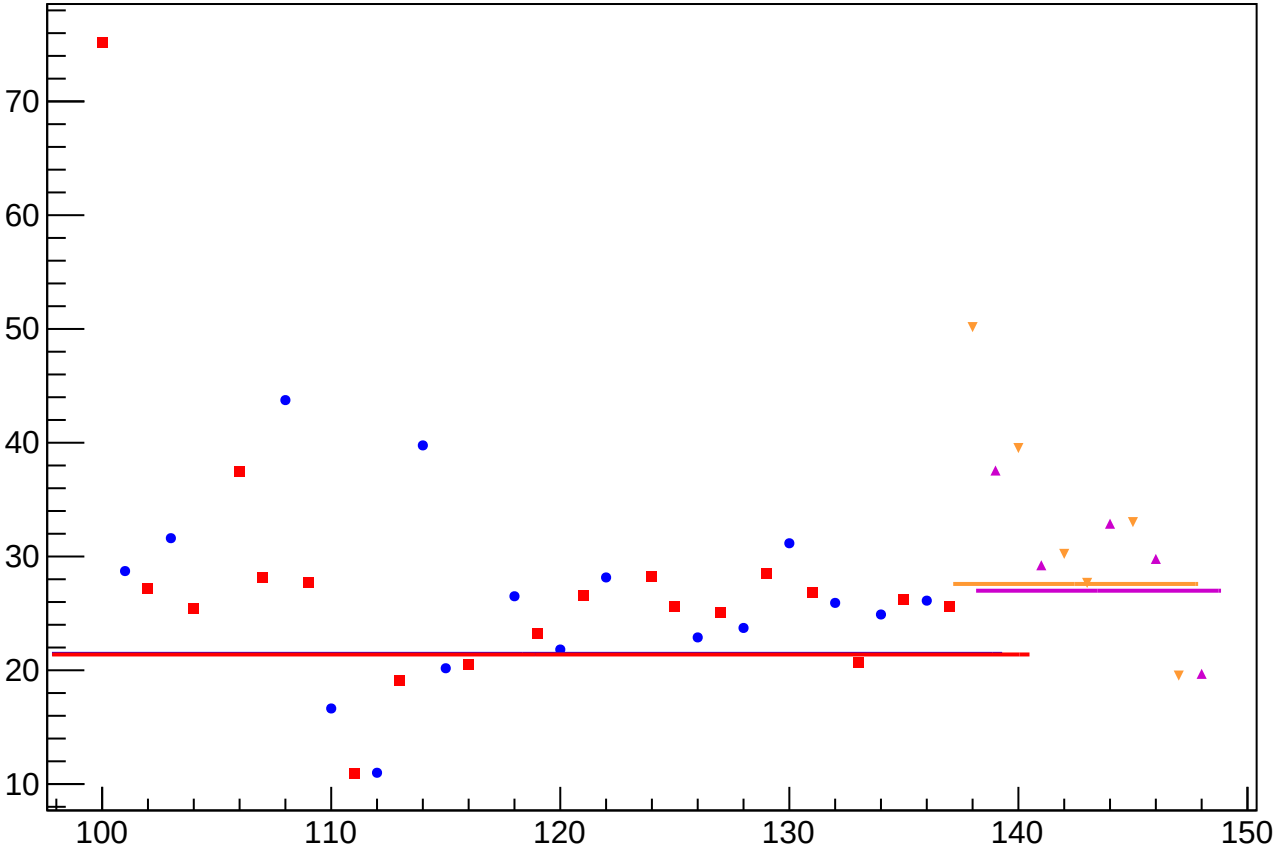
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.002+/-0.005 χ^2/NDF: 59.4/45

- sign -0.003+/-0.007 χ^2/NDF: 30.4/23

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

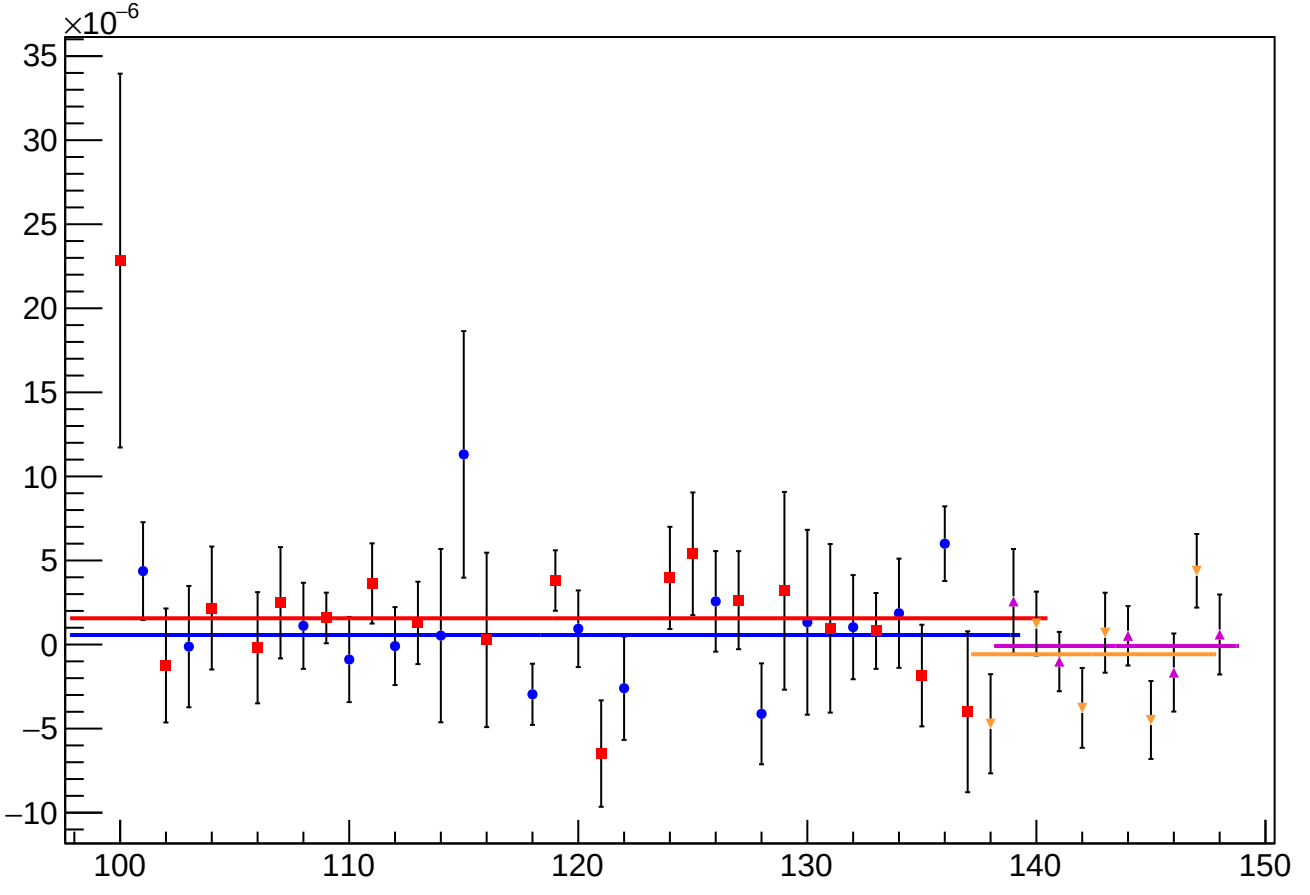
Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

+ sign 23.165+/-0.005 χ^2/NDF: 2574056.9/21

All: 23.070+/-0.004 χ^2/NDF: 4570532.7/45

- sign 22.980+/-0.005 χ^2/NDF: 1995828.3/23

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

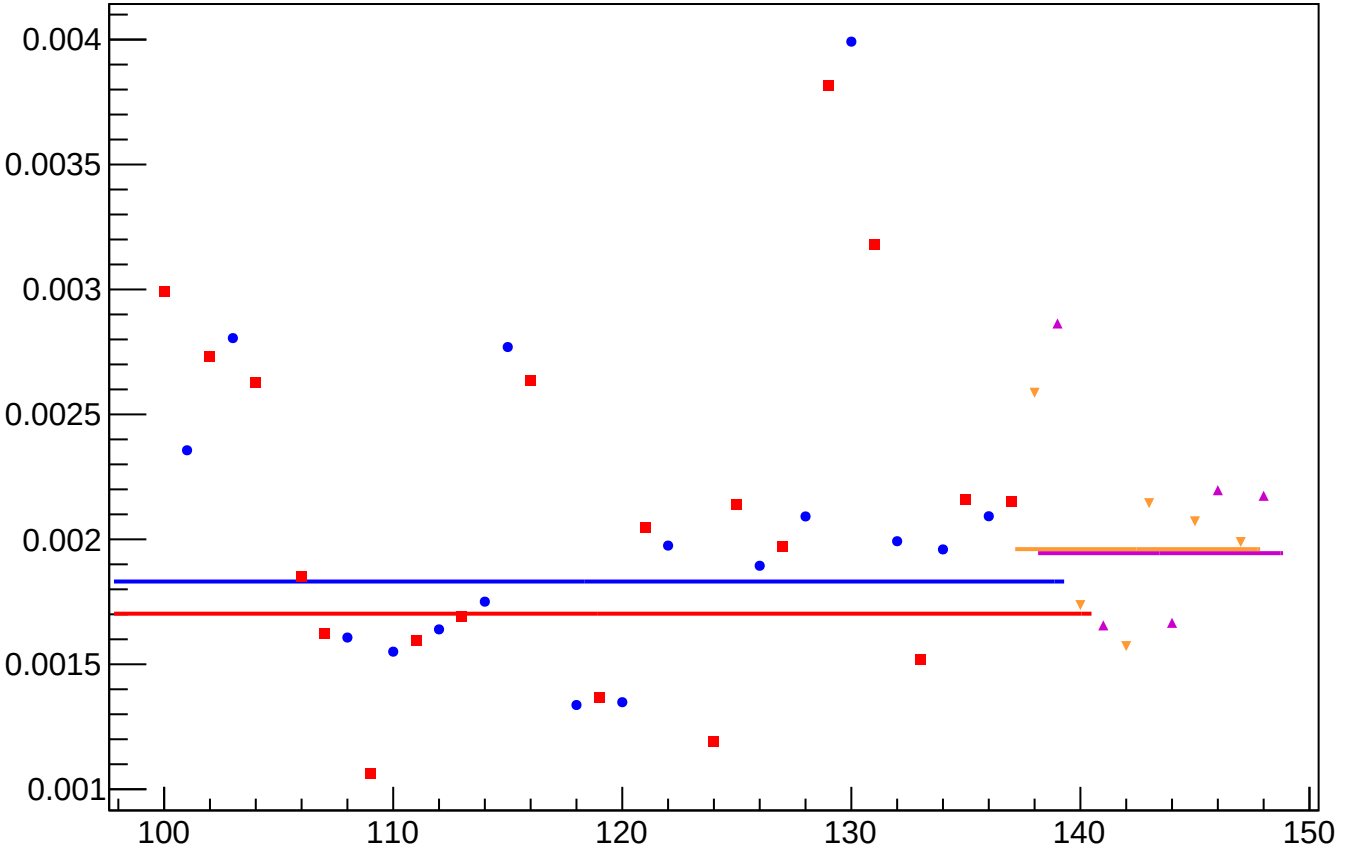
Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/21

All: 0.000+/-0.000 χ^2/NDF: 55.4/45

- sign 0.000+/-0.000 χ^2/NDF: 22.0/23

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:188152.3/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

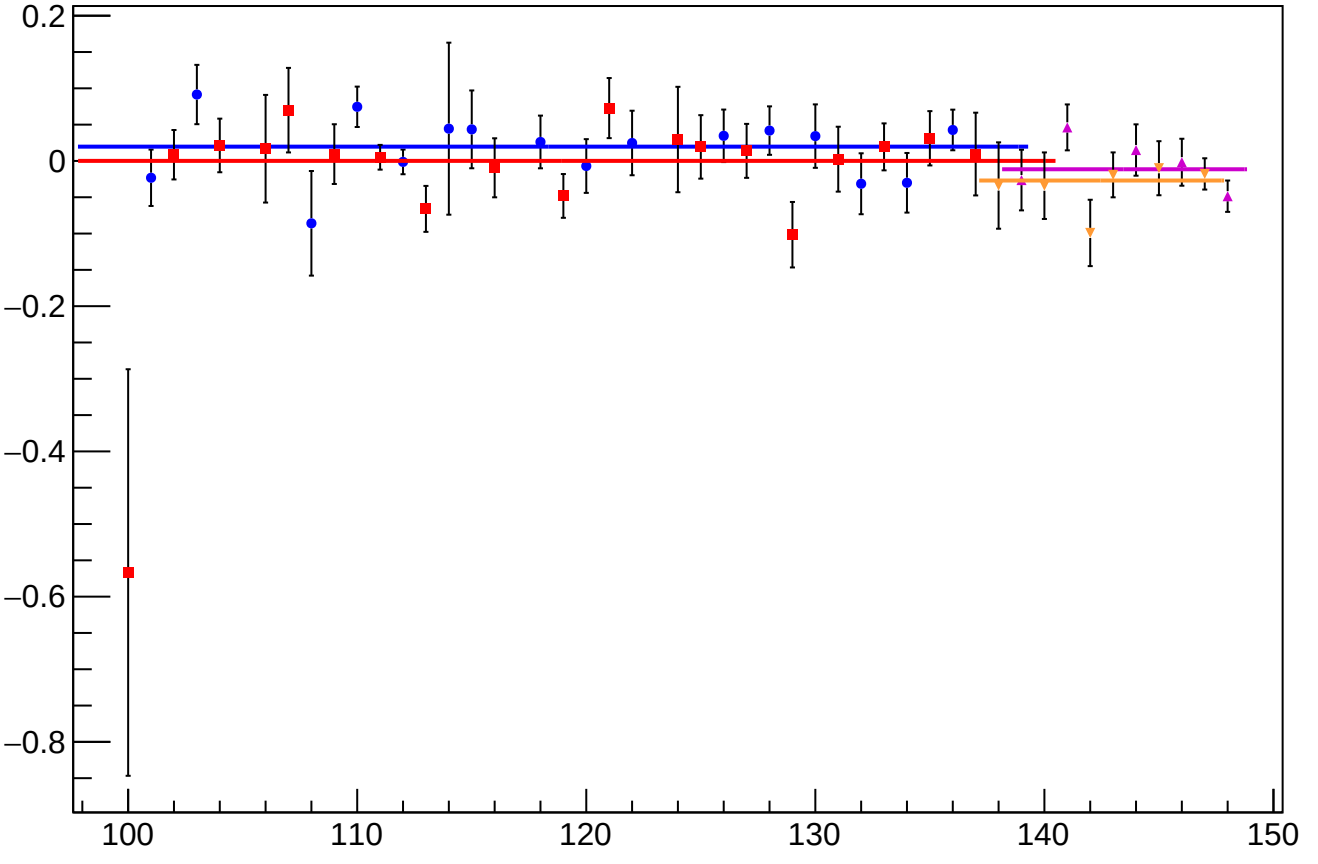
Left In: 0.002+/-0.000 χ^2/NDF:319826.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 1112977.2/21

All: 0.002+/-0.000 χ^2/NDF: 3029418.4/45

- sign 0.002+/-0.000 χ^2/NDF: 1885570.0/23

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

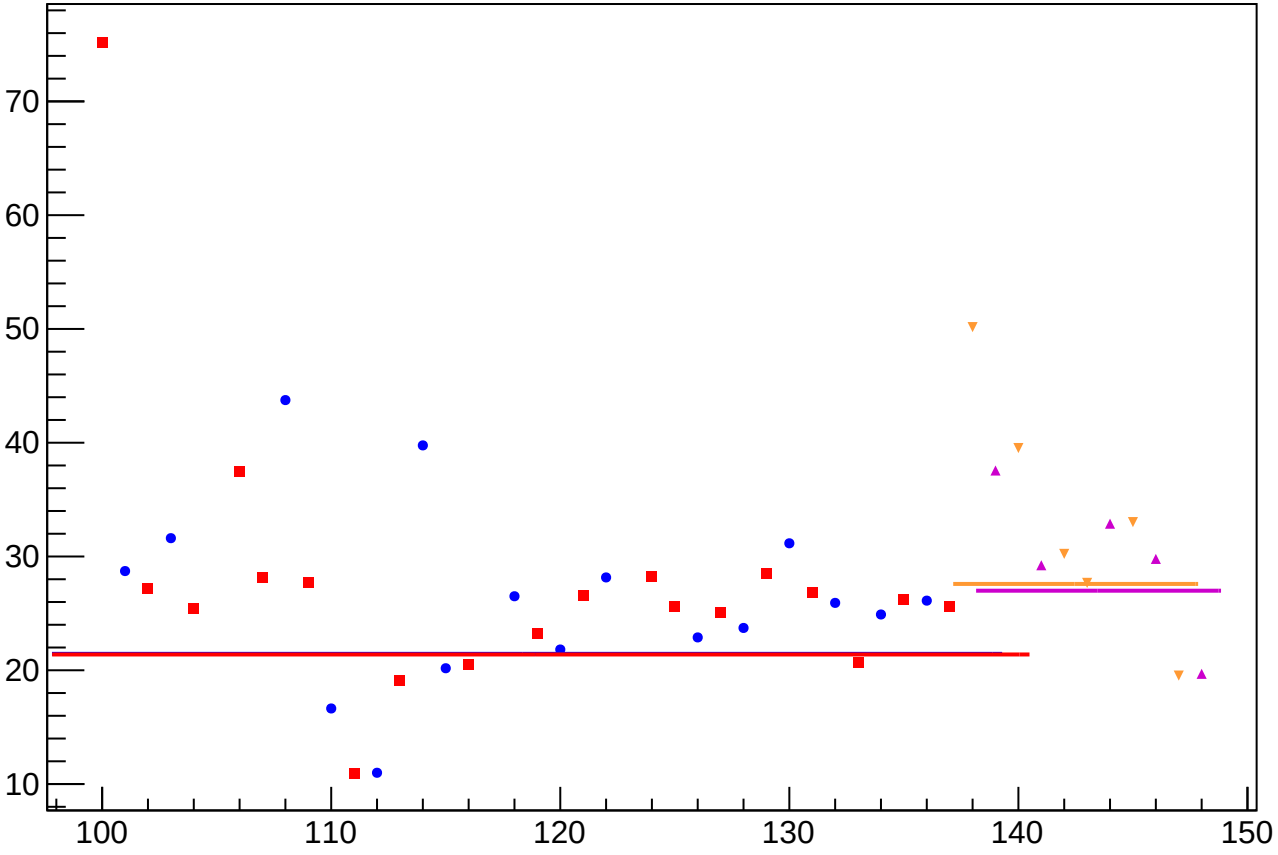
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.007+/-0.007 χ^2/NDF: 28.1/21

All: 0.002+/-0.005 χ^2/NDF: 59.4/45

- sign -0.003+/-0.007 χ^2/NDF: 30.4/23

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

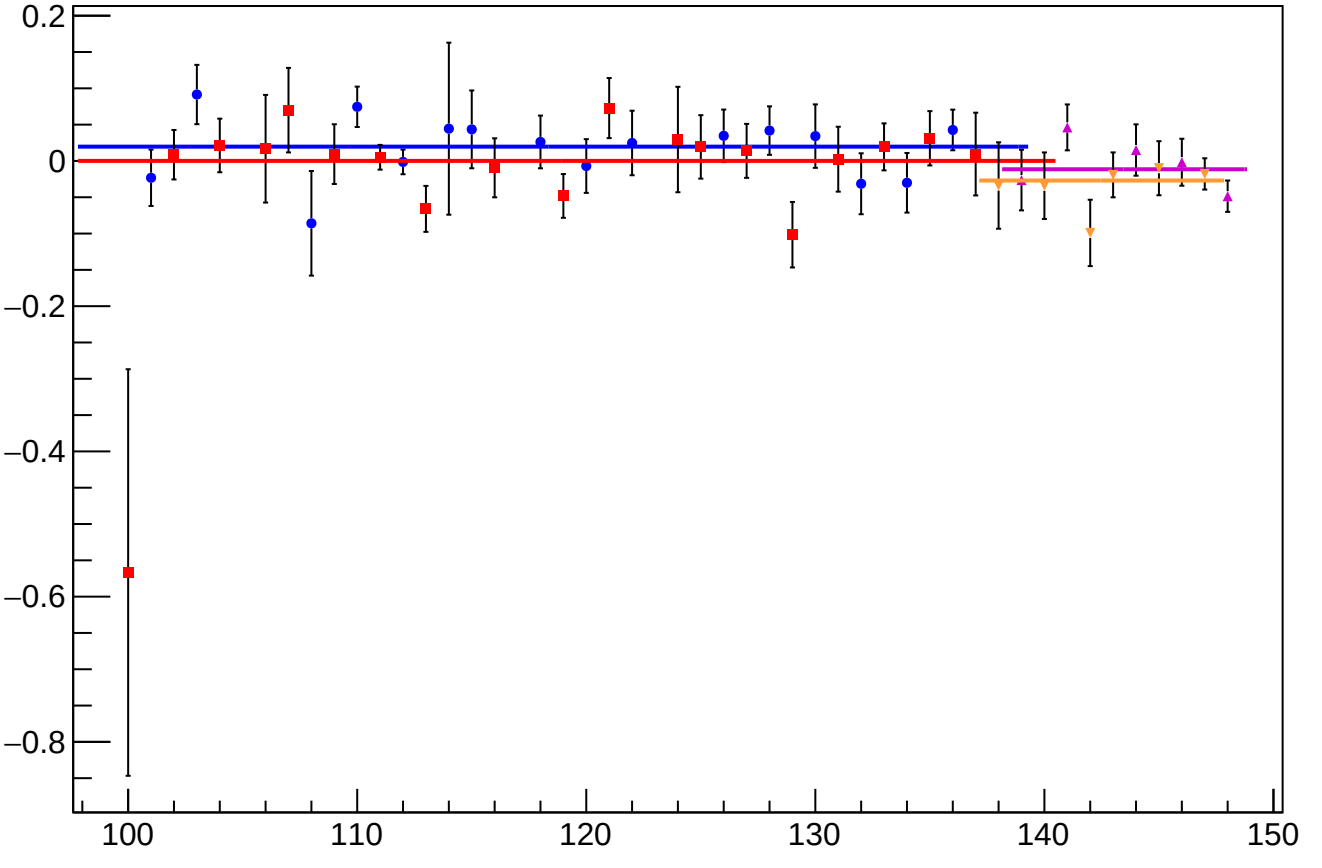
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

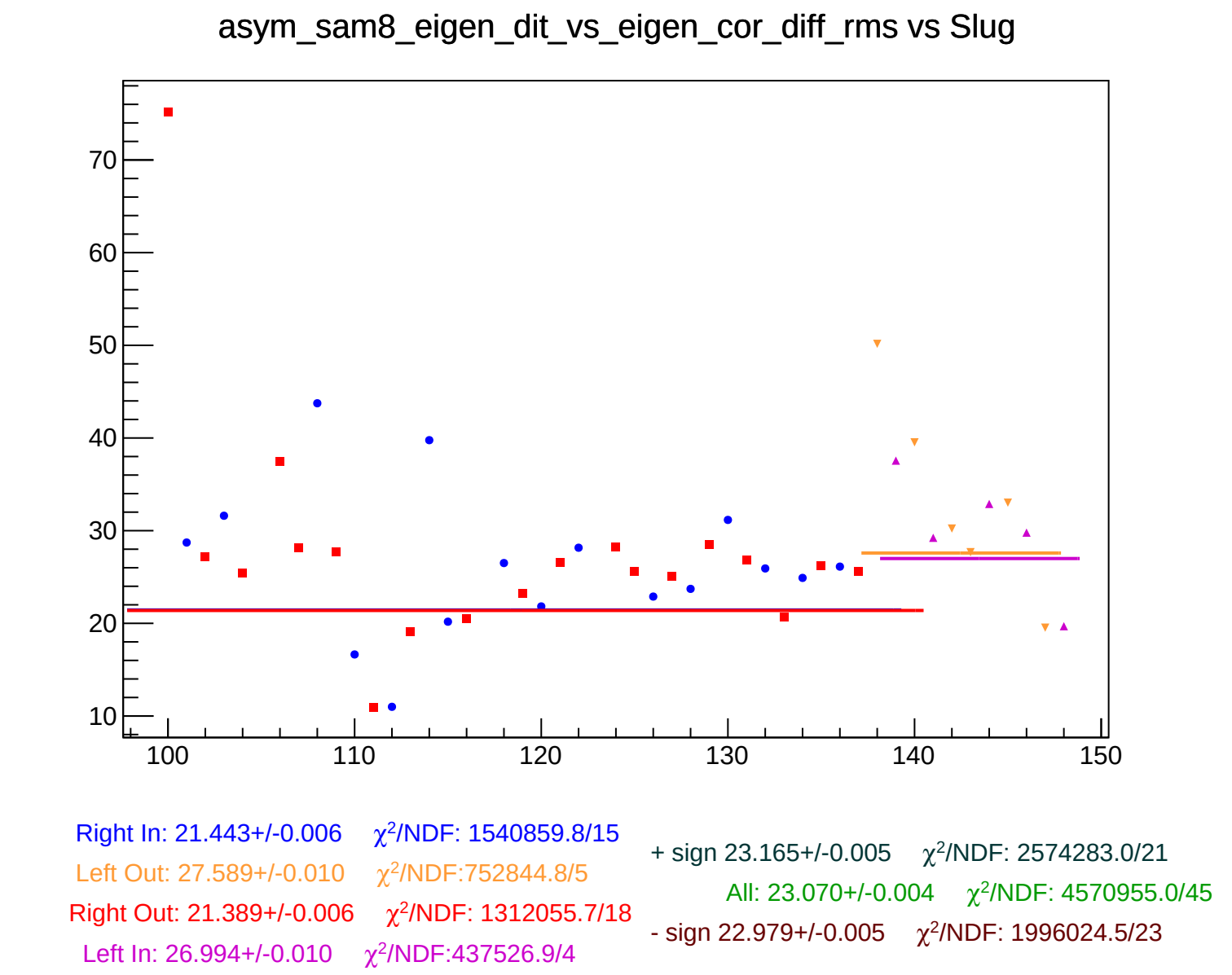
Left In: 26.994+/-0.010 χ^2/NDF:437526.9/4

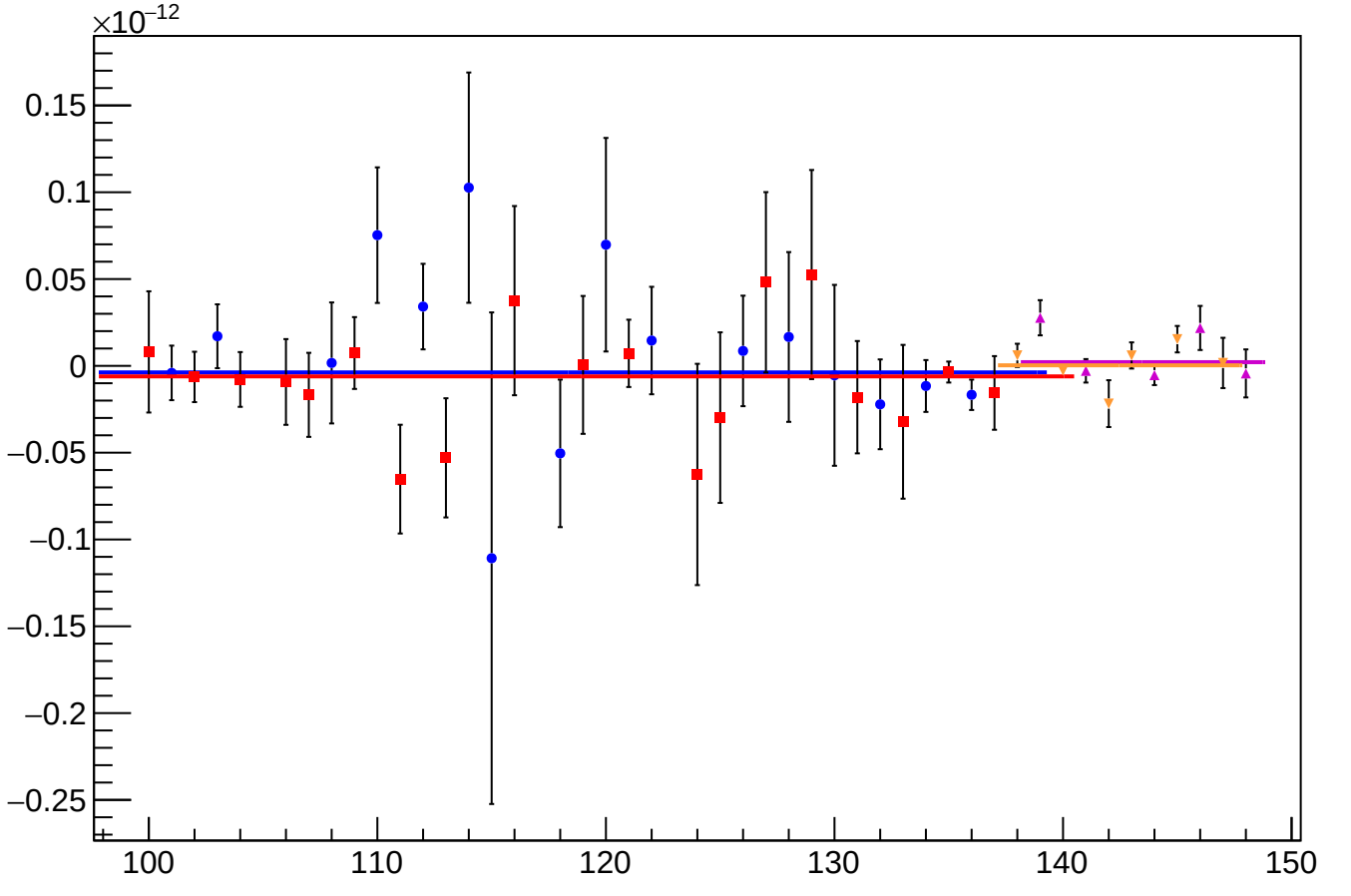
+ sign 23.165+/-0.005 χ^2/NDF: 2574283.0/21

All: 23.070+/-0.004 χ^2/NDF: 4570955.0/45

- sign 22.979+/-0.005 χ^2/NDF: 1996024.5/23


asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.020+/-0.009 χ²/NDF: 17.0/15
Left Out: -0.027+/-0.014 χ²/NDF:3.0/5
Right Out: 0.000+/-0.009 χ²/NDF: 22.8/18
Left In: -0.011+/-0.014 χ²/NDF:7.1/4
+ sign 0.007+/-0.007 χ²/NDF: 28.1/21
All: 0.002+/-0.005 χ²/NDF: 59.4/45
- sign -0.003+/-0.007 χ²/NDF: 30.4/23


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 27.589+/-0.010 χ²/NDF:752844.8/5
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 26.994+/-0.010 χ²/NDF:437526.9/4
+ sign 23.165+/-0.005 χ²/NDF: 2574283.0/21
All: 23.070+/-0.004 χ²/NDF: 4570955.0/45
- sign 22.979+/-0.005 χ²/NDF: 1996024.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/5

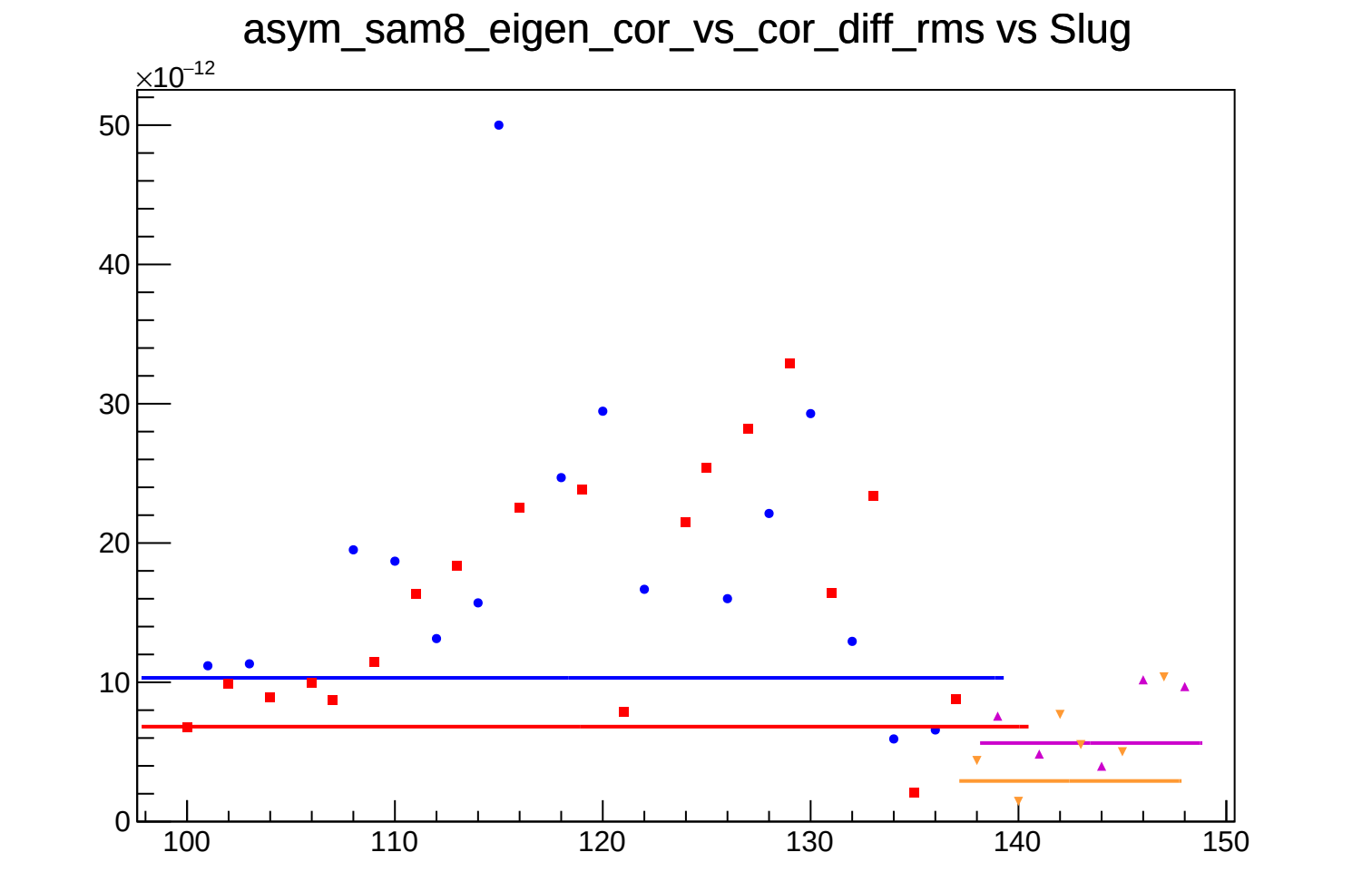
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/21

All: -0.000+/-0.000 χ^2/NDF: 51.4/45

- sign -0.000+/-0.000 χ^2/NDF: 24.6/23



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

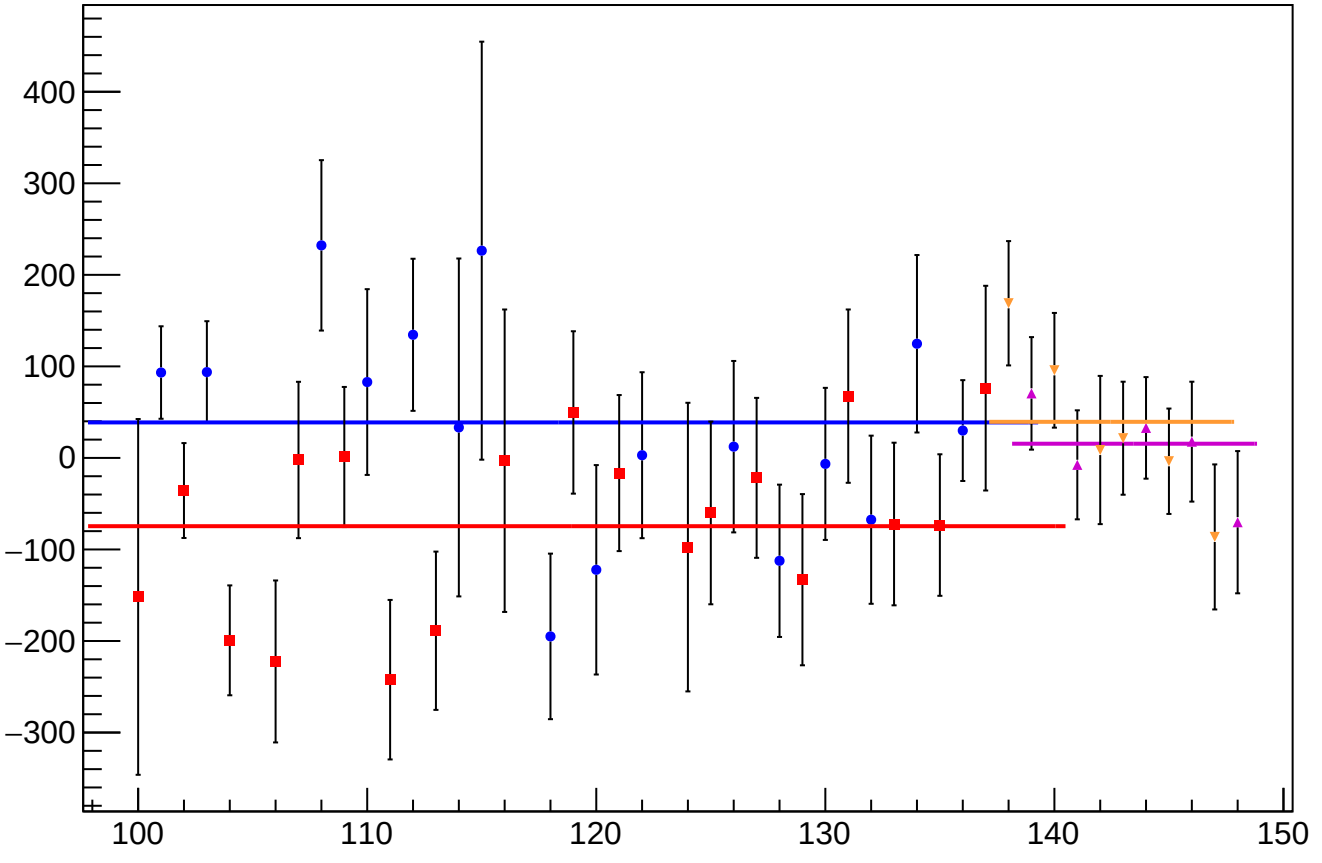
Left In: 0.000+/-0.000 χ^2/NDF:696093.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 6822756.3/21

All: 0.000+/-0.000 χ^2/NDF: 12343992.1/45

- sign 0.000+/-0.000 χ^2/NDF: 4803341.5/23

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

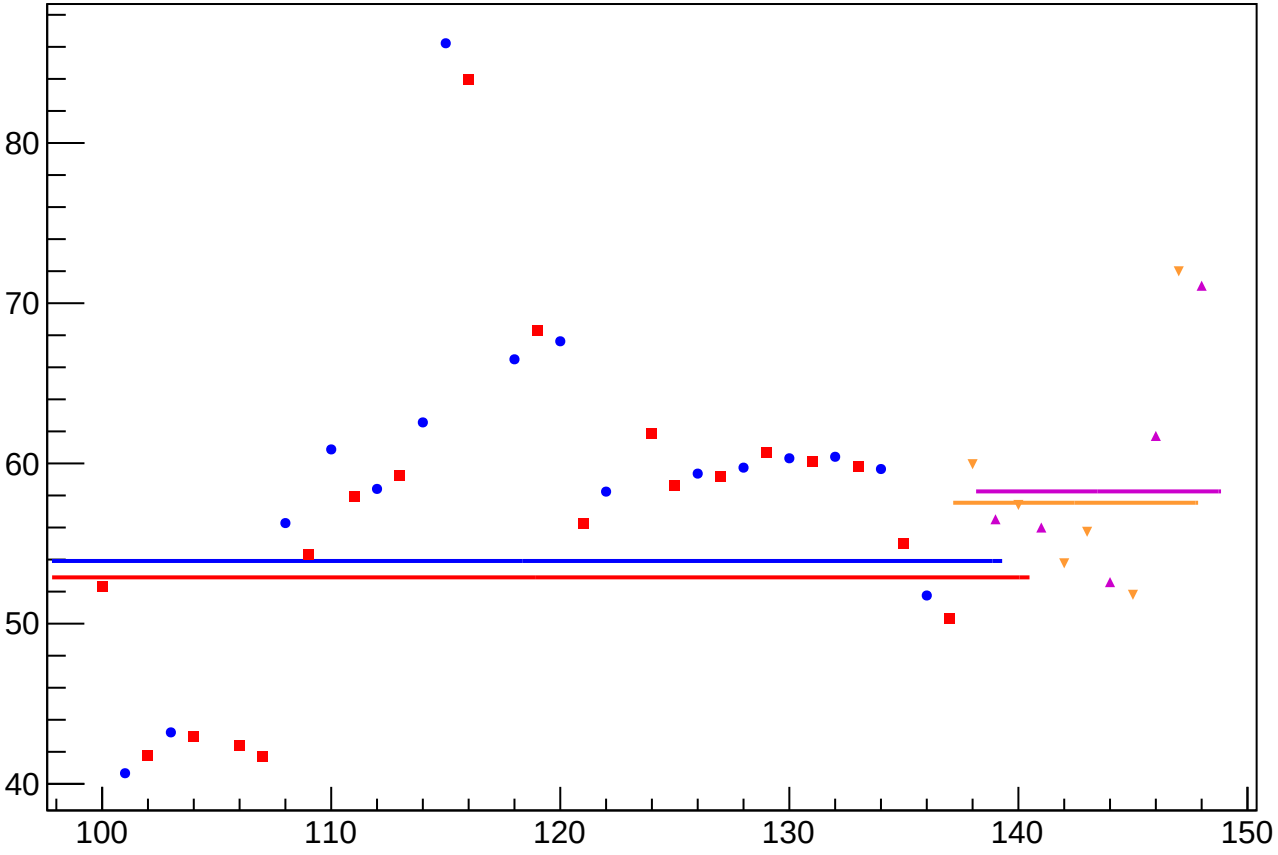
Left In: 15.515+/-28.056 χ^2/NDF:2.3/4

+ sign 39.017+/-16.335 χ^2/NDF: 31.1/21

All: -3.207+/-11.495 χ^2/NDF: 75.9/45

- sign -44.622+/-16.178 χ^2/NDF: 31.6/23

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

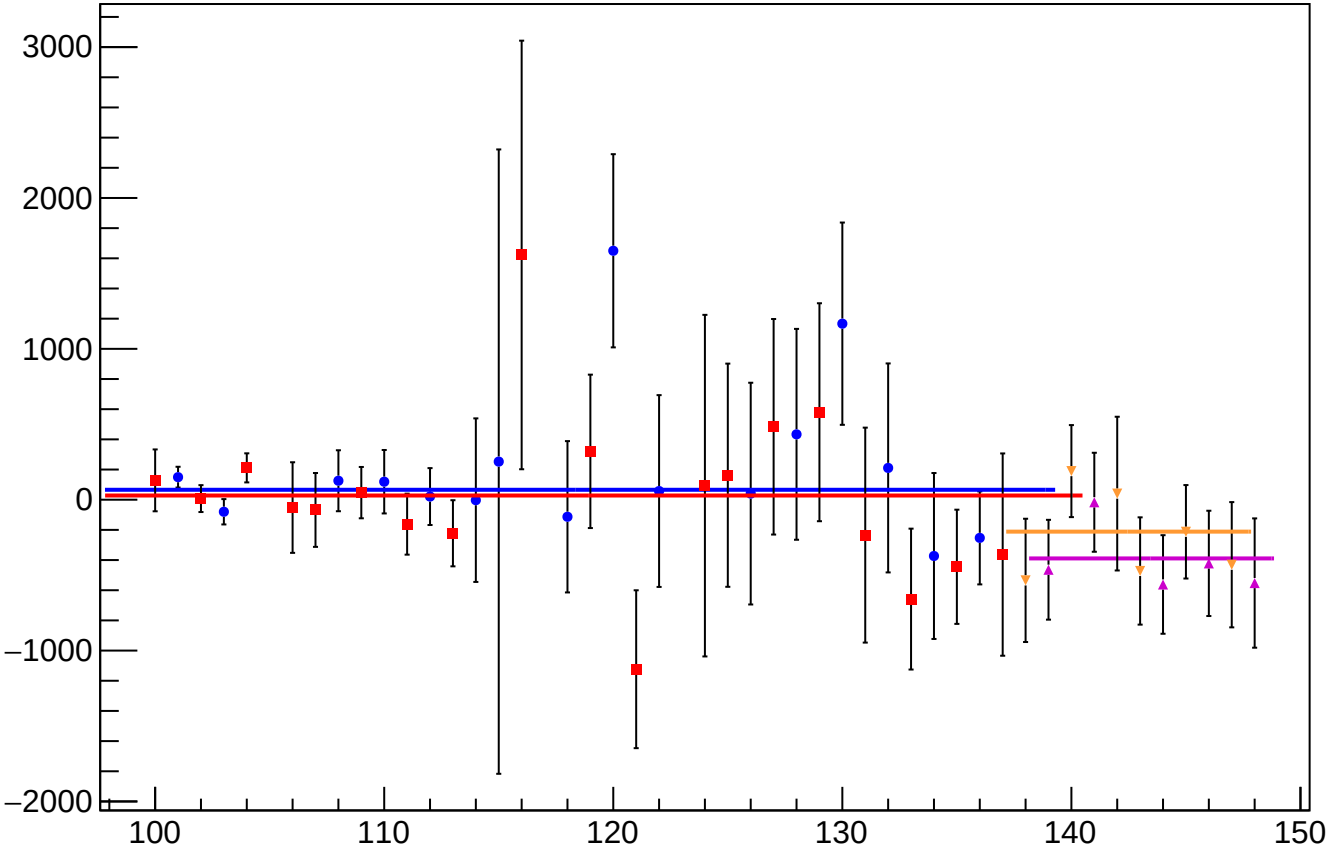
Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.219+/-0.012 χ^2/NDF: 511055.6/21

All: 54.943+/-0.008 χ^2/NDF: 1071712.9/45

- sign 54.673+/-0.011 χ^2/NDF: 559528.6/23

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

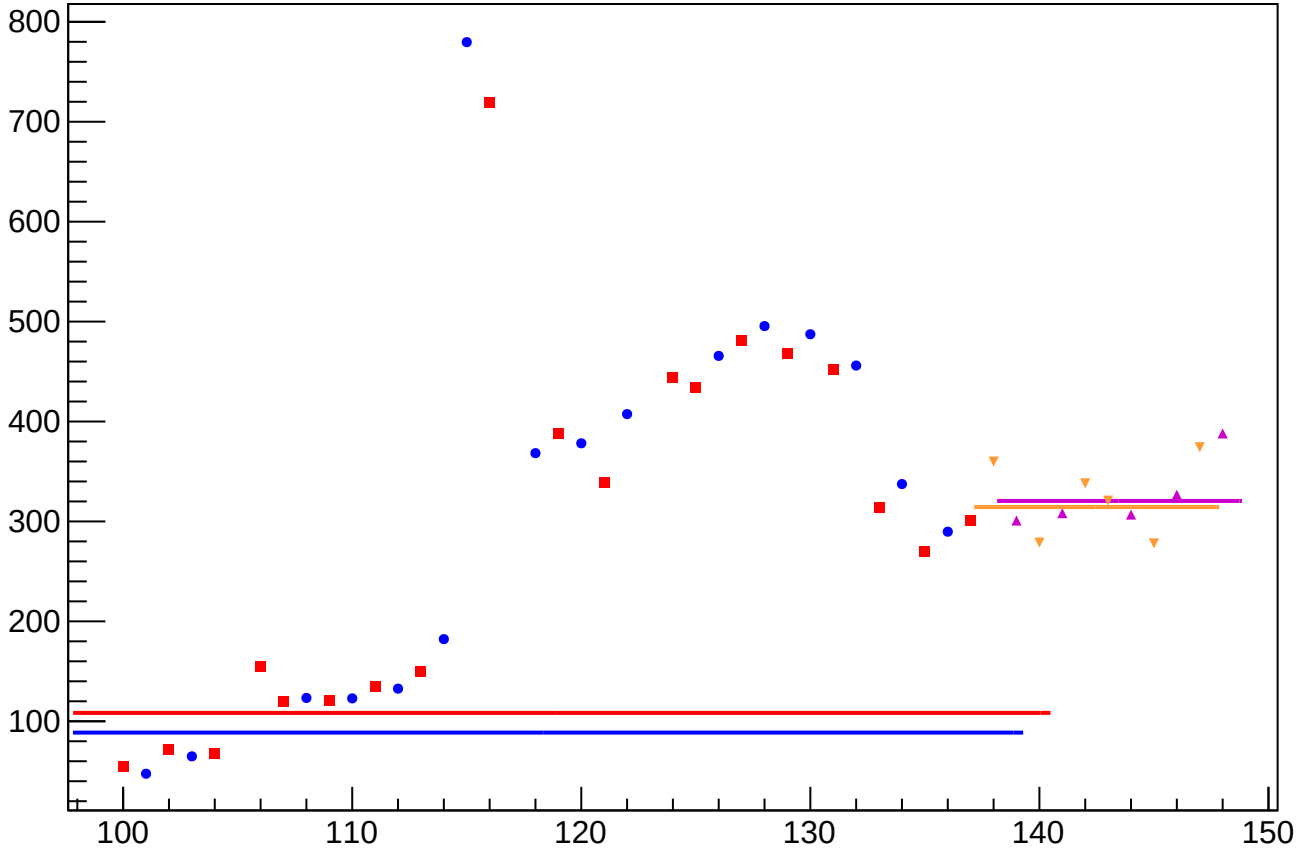
Left In: -389.211+/-155.313 χ^2/NDF:1.8/4

\+ sign 41.411+/-44.384 χ^2/NDF: 22.3/21

All: 16.833+/-32.539 χ^2/NDF: 49.2/45

\- sign -11.729+/-47.846 χ^2/NDF: 26.3/23

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

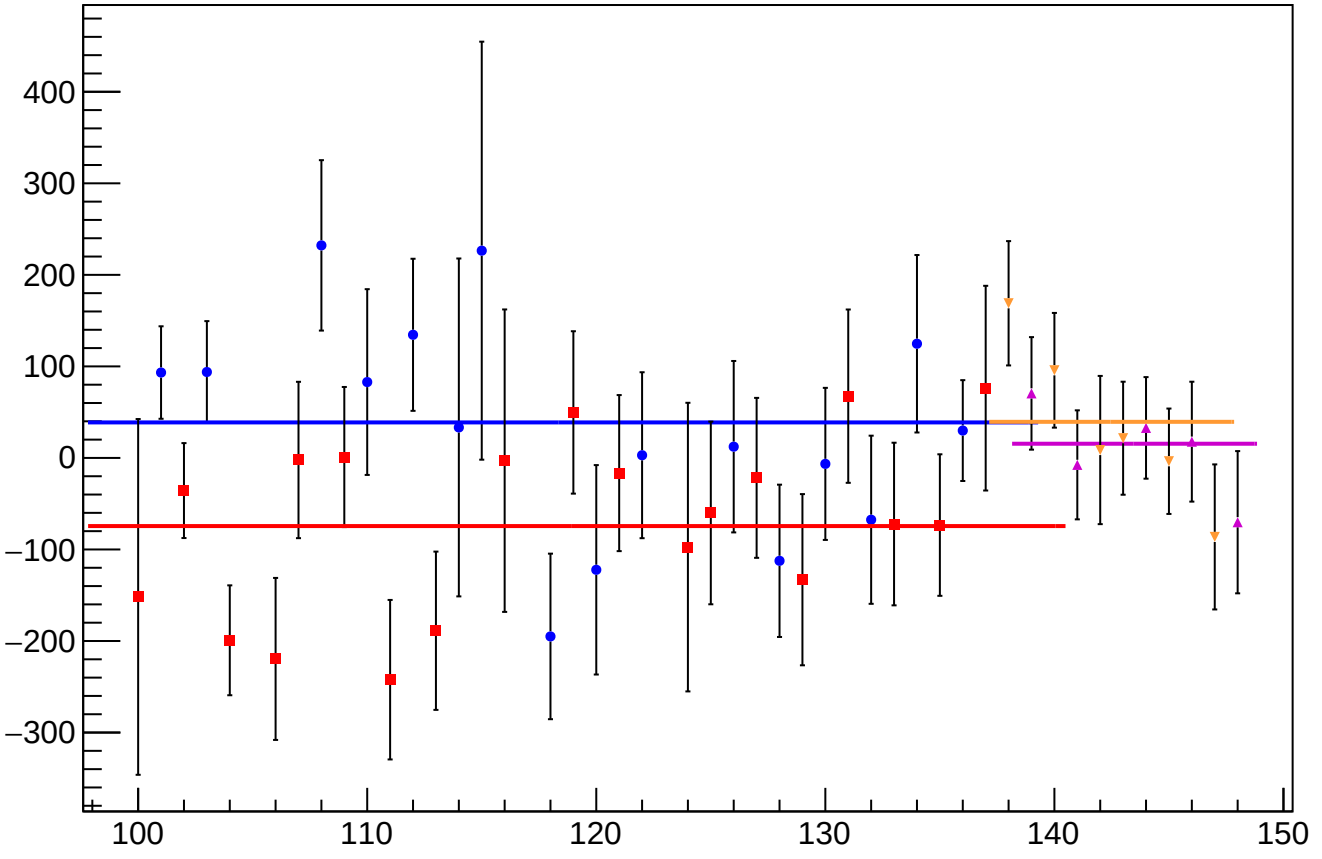
Left In: 320.494+/-0.110 χ^2/NDF:63632.0/4

+ sign 108.545+/-0.031 χ^2/NDF: 10930038.1/21

All: 117.781+/-0.023 χ^2/NDF: 19919968.8/45

- sign 128.514+/-0.034 χ^2/NDF: 8802672.0/23

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

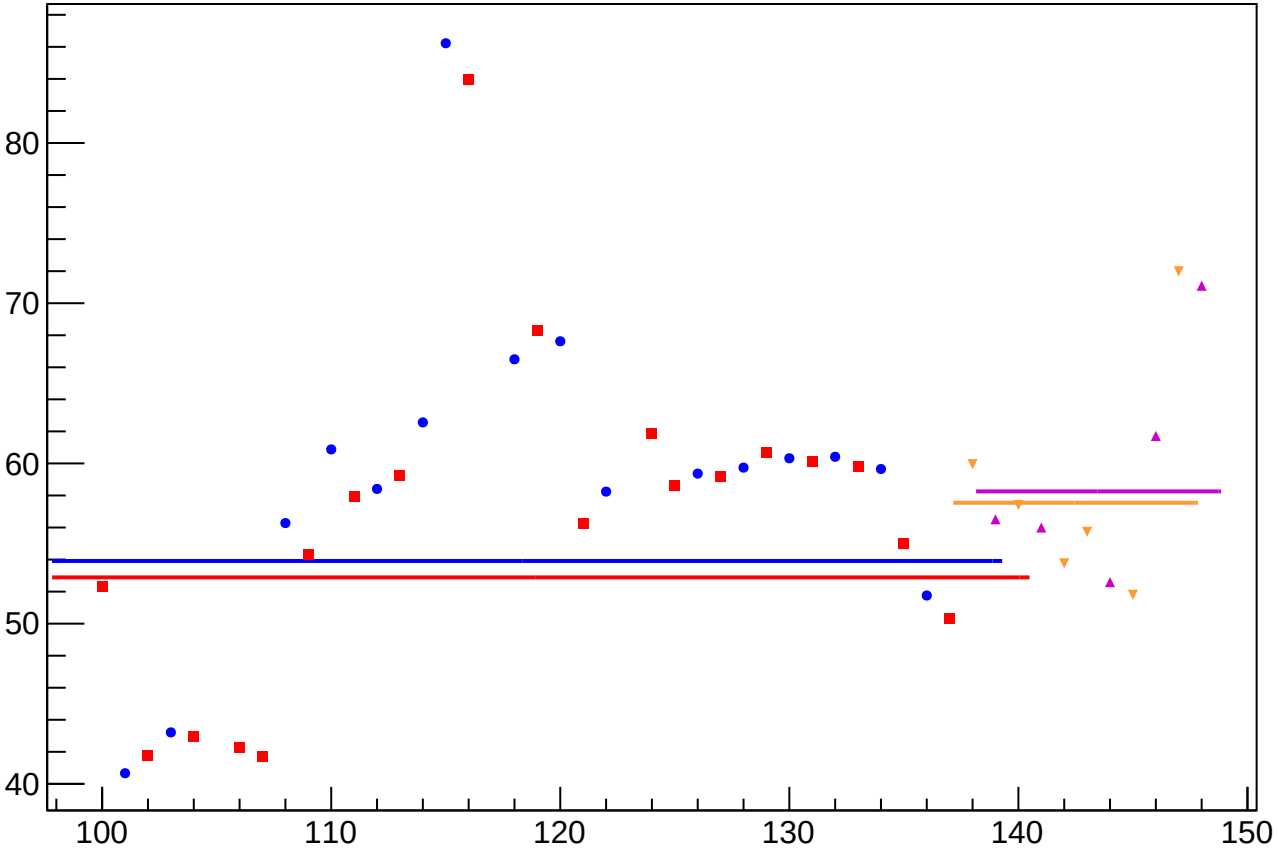
Left In: 15.511+/-28.056 χ^2/NDF:2.3/4

+ sign 39.027+/-16.335 χ^2/NDF: 31.1/21

All: -3.154+/-11.495 χ^2/NDF: 75.7/45

- sign -44.530+/-16.179 χ^2/NDF: 31.5/23

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

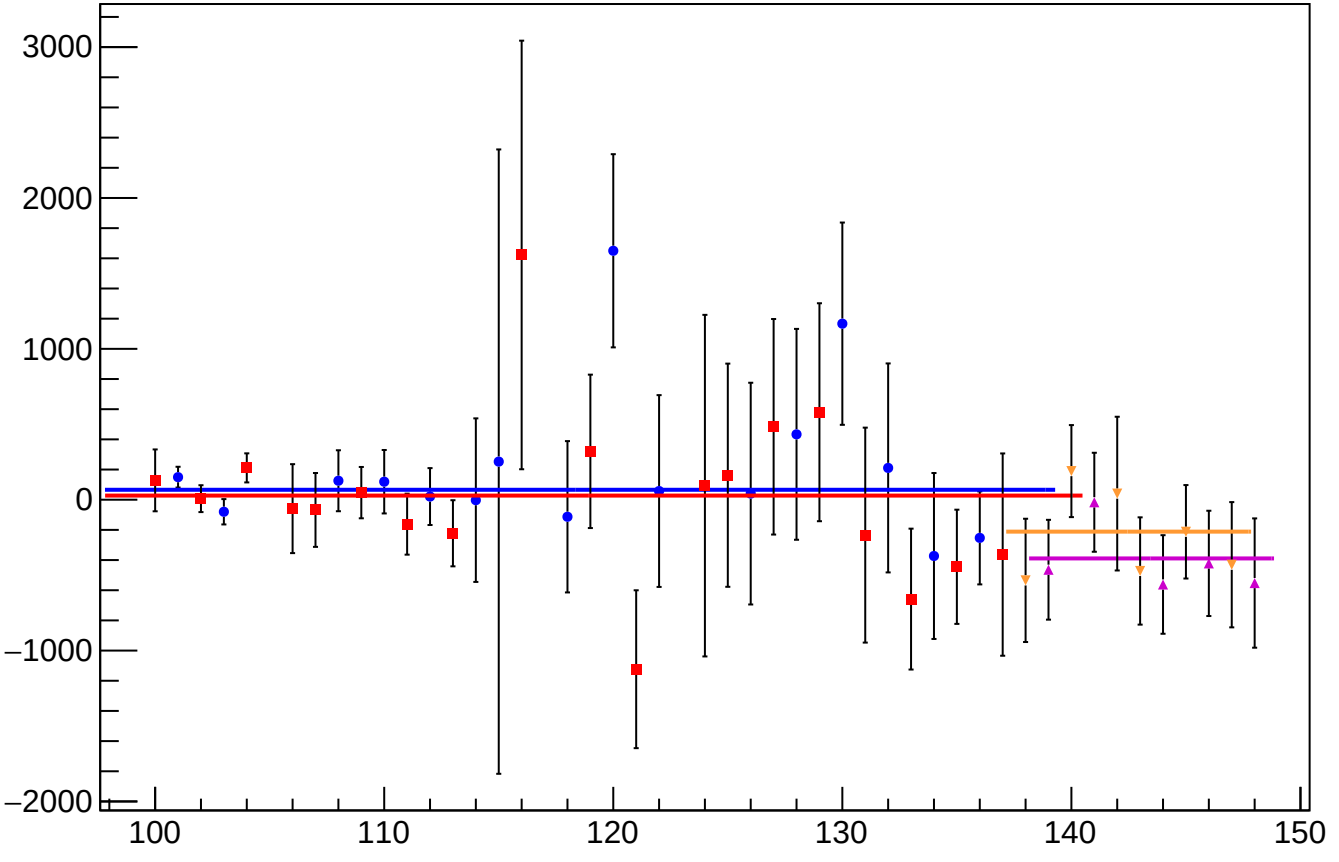
Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.219+/-0.012 χ^2/NDF: 511054.9/21

All: 54.943+/-0.008 χ^2/NDF: 1072063.7/45

- sign 54.672+/-0.011 χ^2/NDF: 559874.7/23

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

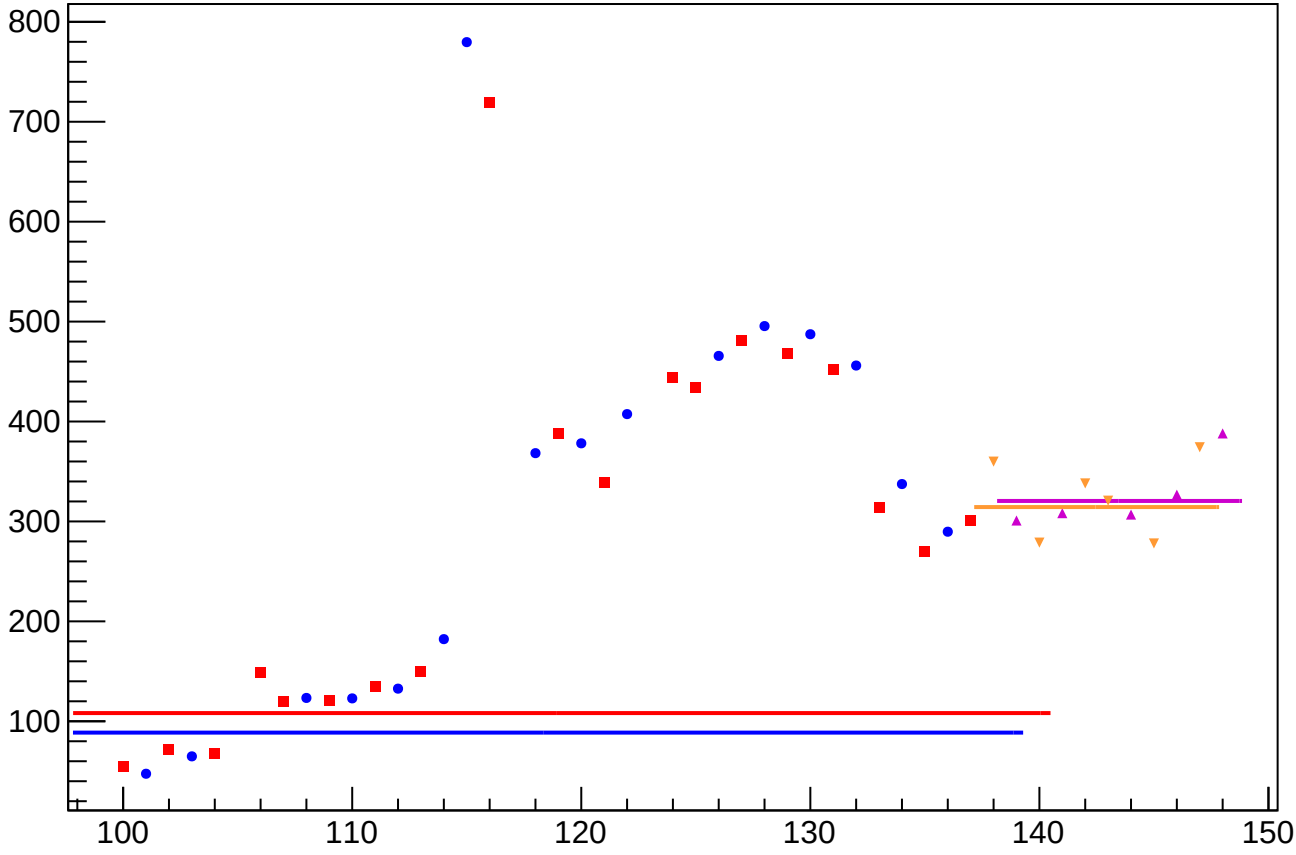
Left In: -389.212+/-155.313 χ^2/NDF:1.8/4

+ sign 41.416+/-44.383 χ^2/NDF: 22.3/21

All: 16.657+/-32.527 χ^2/NDF: 49.2/45

- sign -12.070+/-47.809 χ^2/NDF: 26.3/23

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

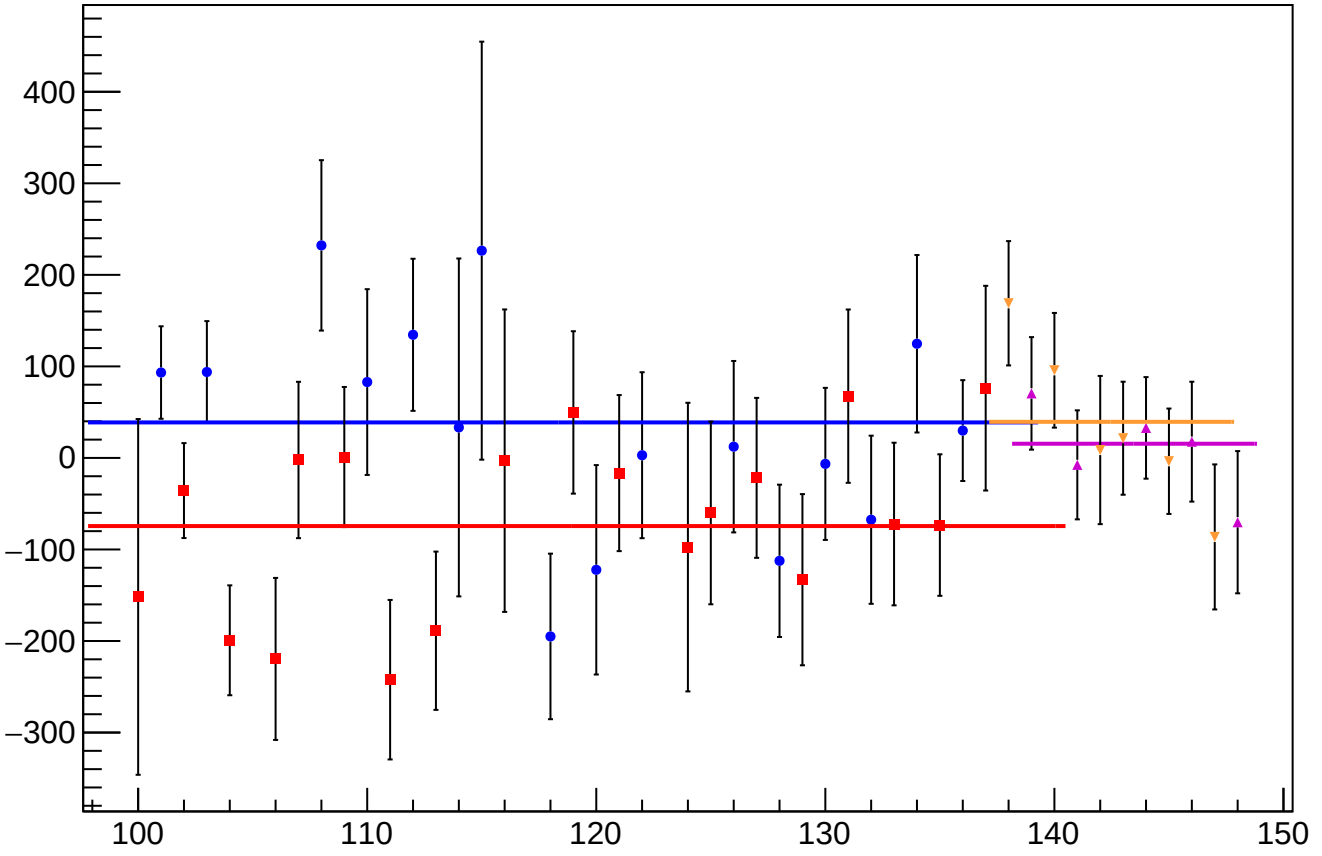
Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

+ sign 108.542+/-0.031 χ^2/NDF: 10930225.1/21

All: 117.698+/-0.023 χ^2/NDF: 19915029.5/45

- sign 128.322+/-0.034 χ^2/NDF: 8800927.9/23

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

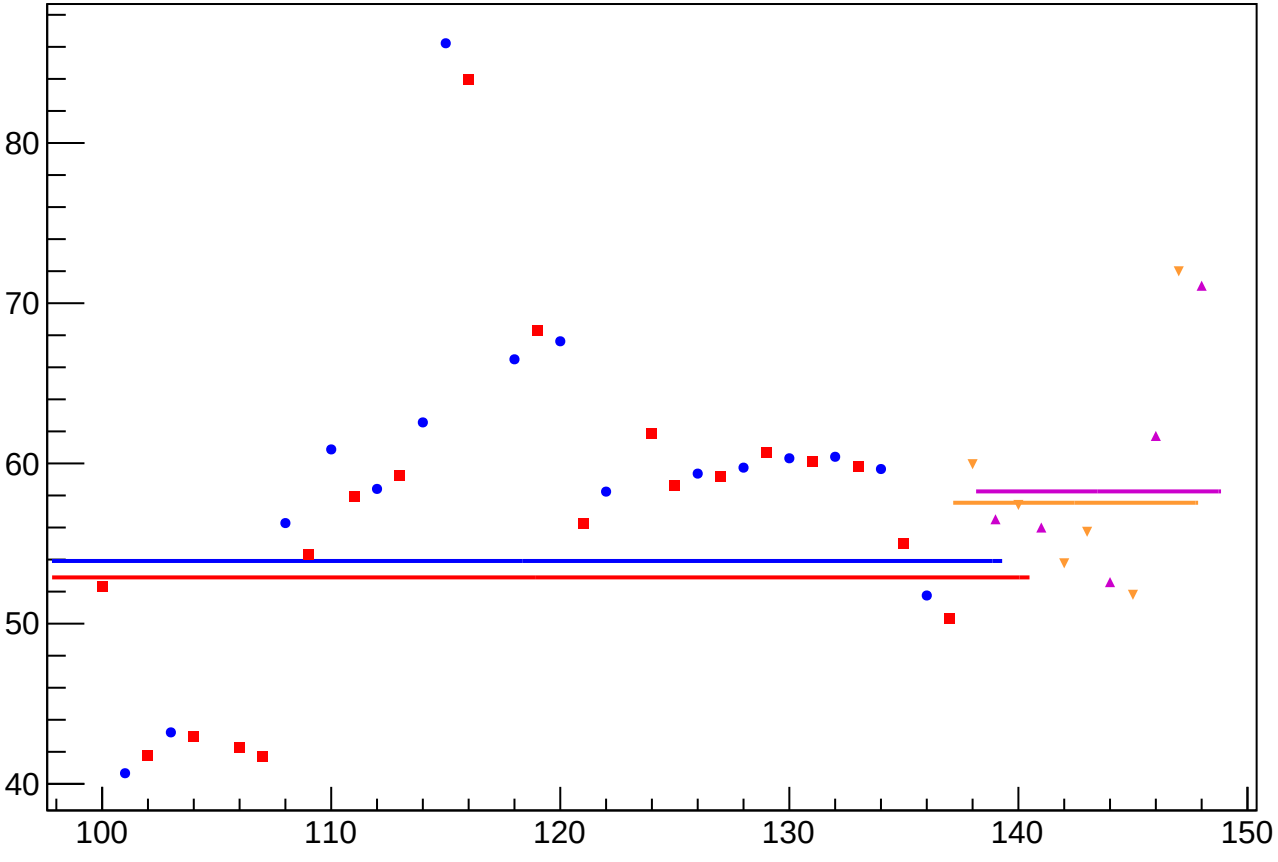
Left In: 15.511+/-28.056 χ^2/NDF:2.3/4

+ sign 39.027+/-16.335 χ^2/NDF: 31.1/21

All: -3.154+/-11.495 χ^2/NDF: 75.7/45

- sign -44.530+/-16.179 χ^2/NDF: 31.5/23

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

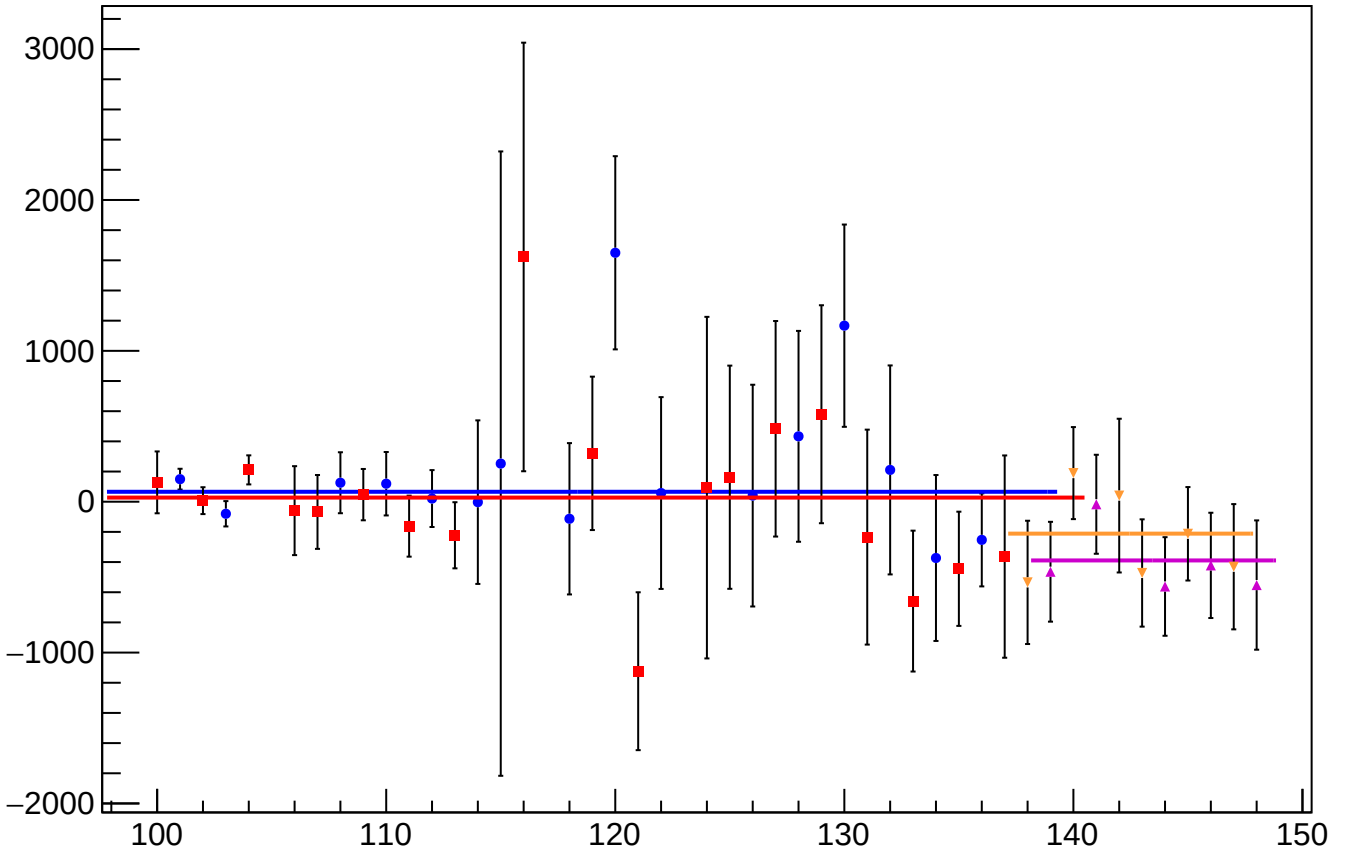
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.219+/-0.012 χ^2/NDF: 511054.9/21

All: 54.943+/-0.008 χ^2/NDF: 1072063.7/45

- sign 54.672+/-0.011 χ^2/NDF: 559874.7/23



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

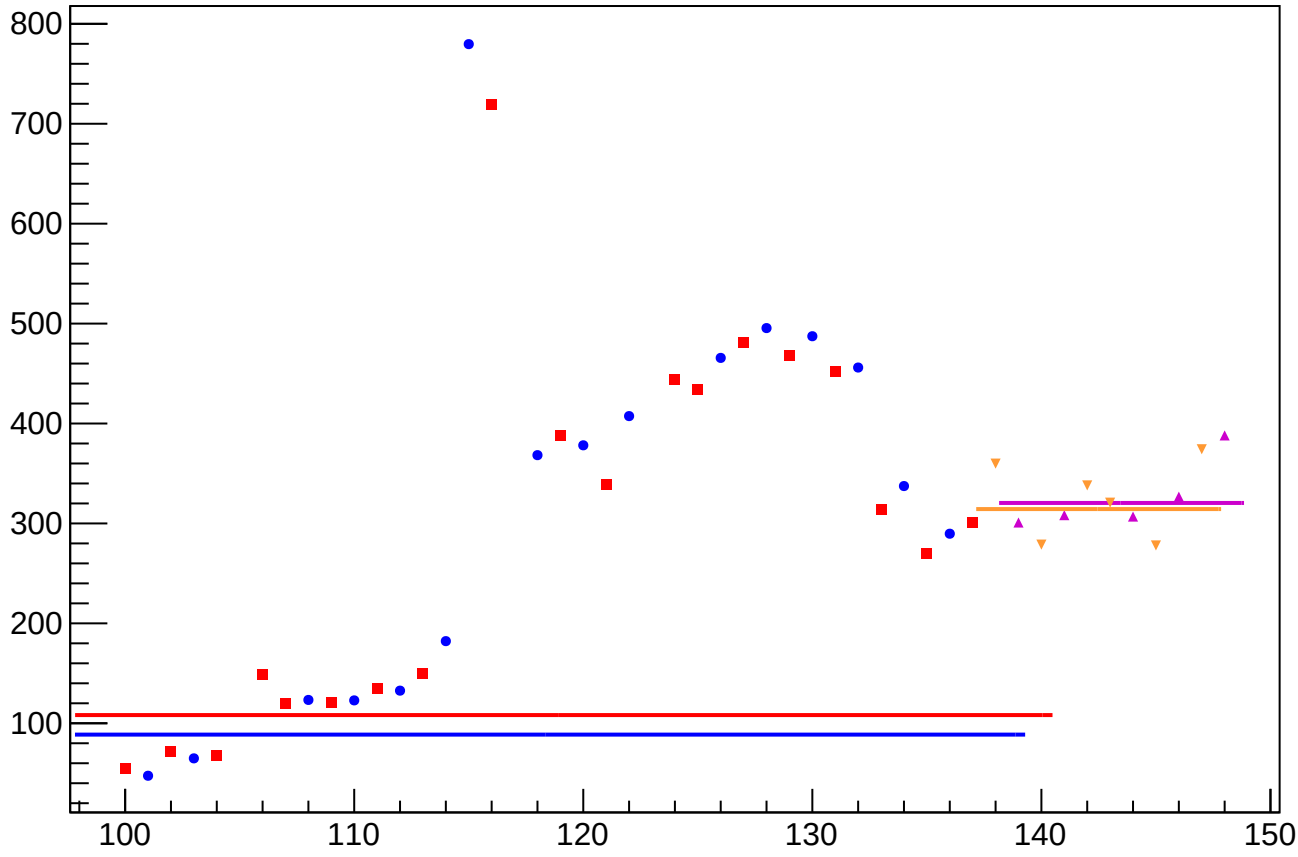
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -389.212+/-155.313 χ^2/NDF:1.8/4

+ sign 41.416+/-44.383 χ^2/NDF: 22.3/21

All: 16.657+/-32.527 χ^2/NDF: 49.2/45

- sign -12.070+/-47.809 χ^2/NDF: 26.3/23



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

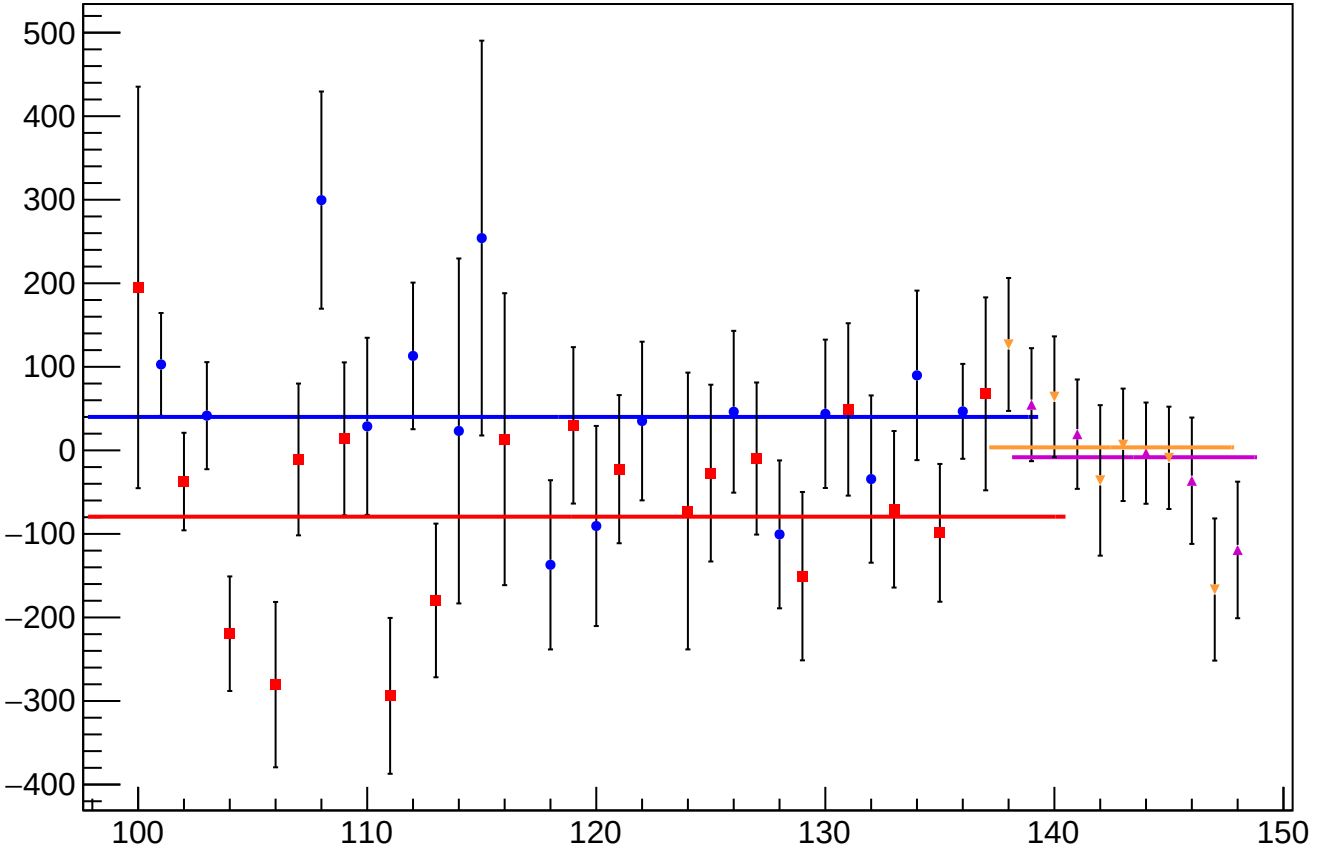
Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

+ sign 108.542+/-0.031 χ^2/NDF: 10930225.1/21

All: 117.698+/-0.023 χ^2/NDF: 19915029.5/45

- sign 128.322+/-0.034 χ^2/NDF: 8800927.9/23

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

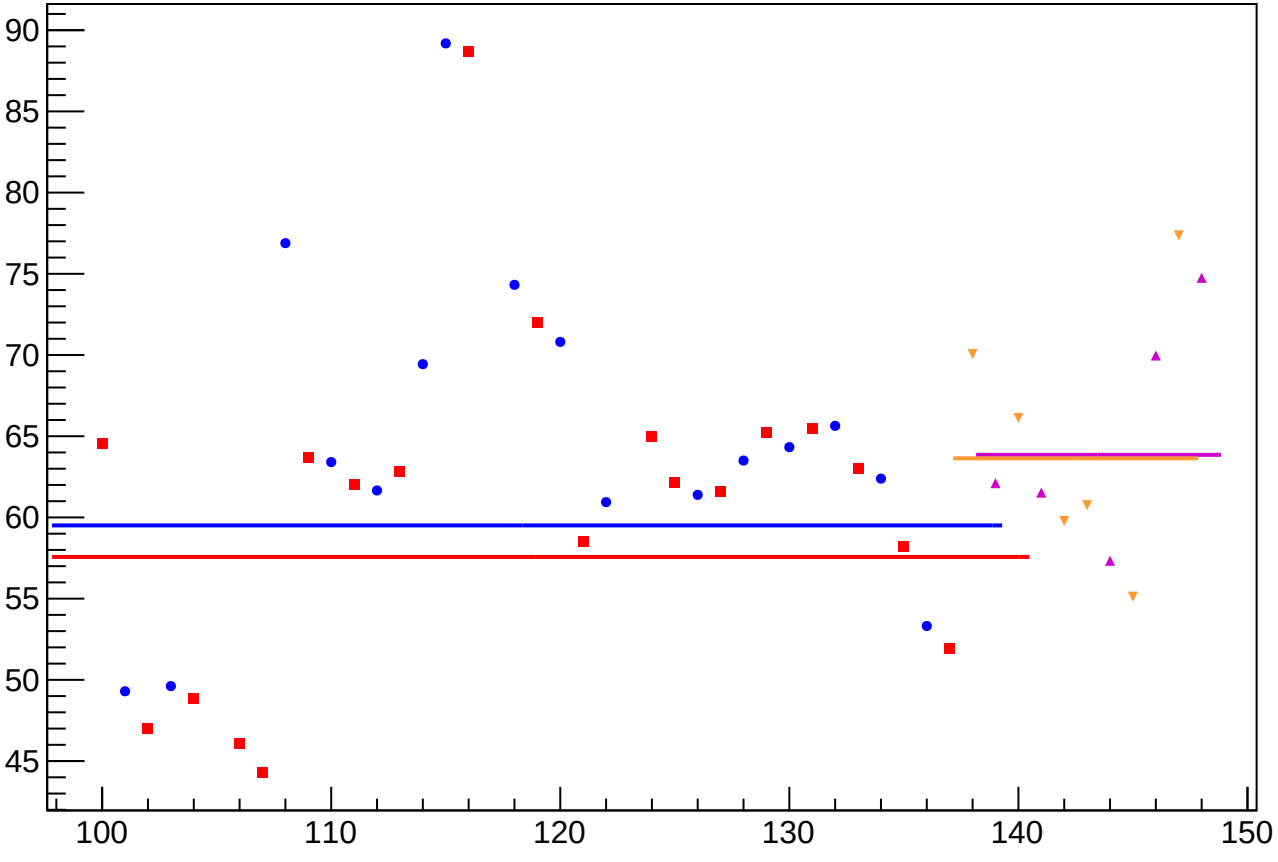
Left In: -8.220+/-30.876 χ^2/NDF:3.0/4

\+ sign 27.000+/-18.047 χ^2/NDF: 22.4/21

All: -15.352+/-12.632 χ^2/NDF: 64.6/45

\- sign -56.030+/-17.686 χ^2/NDF: 31.4/23

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

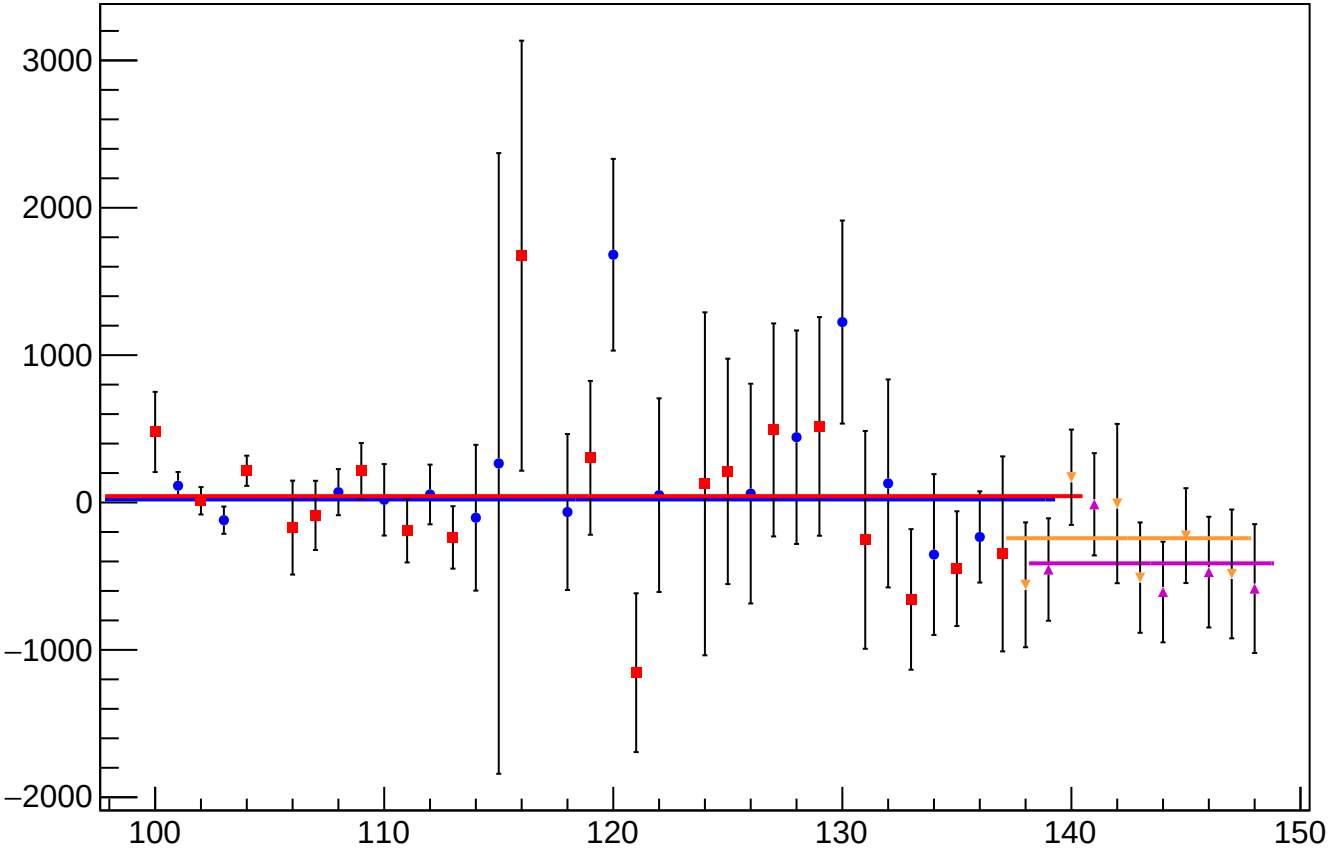
Left In: 63.856+/-0.022 χ^2/NDF:75693.2/4

+ sign 60.985+/-0.013 χ^2/NDF: 420685.0/21

All: 60.294+/-0.009 χ^2/NDF: 905254.6/45

- sign 59.630+/-0.013 χ^2/NDF: 478818.7/23

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

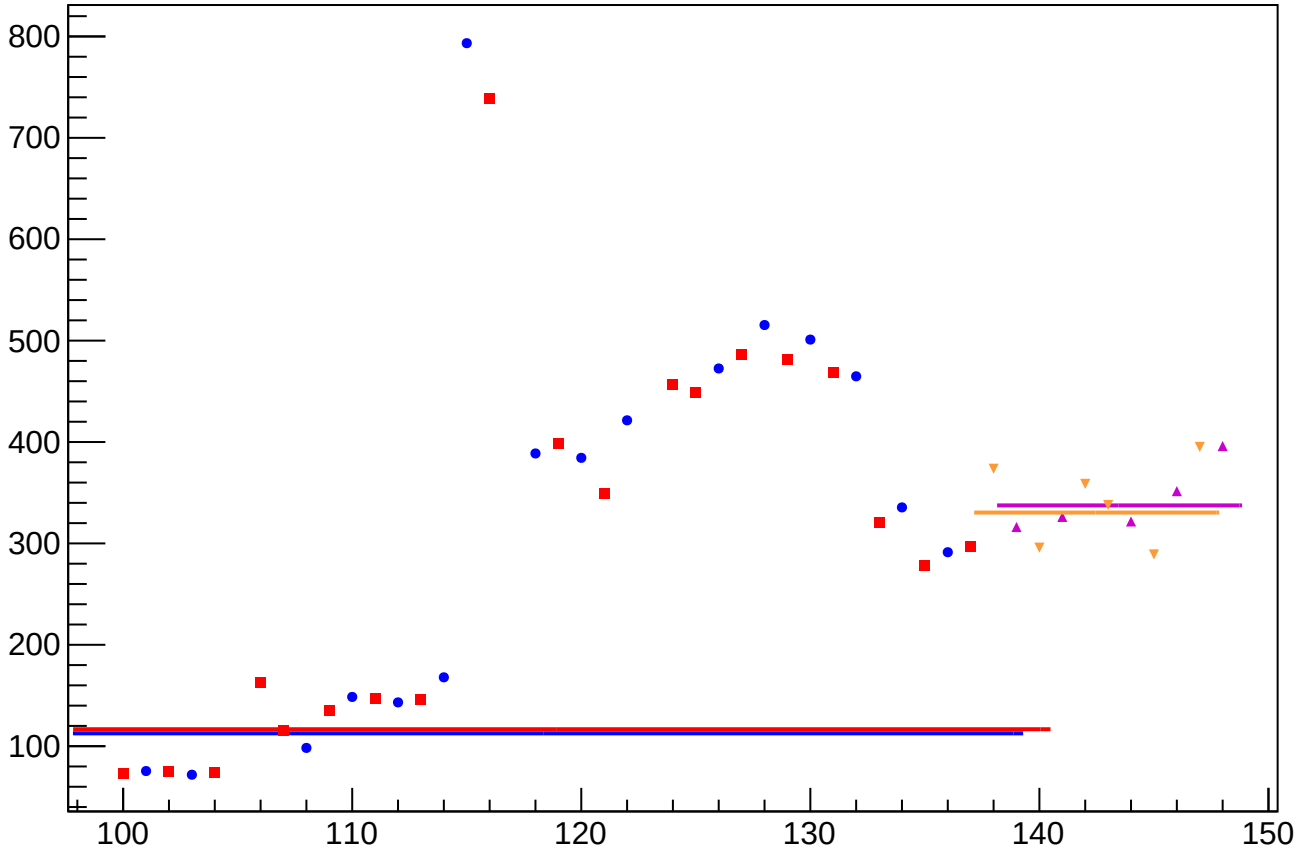
Left In: -412.821+/-163.348 χ^2/NDF:1.9/4

\+ sign -6.623+/-50.712 χ^2/NDF: 20.3/21

All: -3.550+/-35.817 χ^2/NDF: 50.8/45

\- sign -0.491+/-50.594 χ^2/NDF: 30.4/23

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

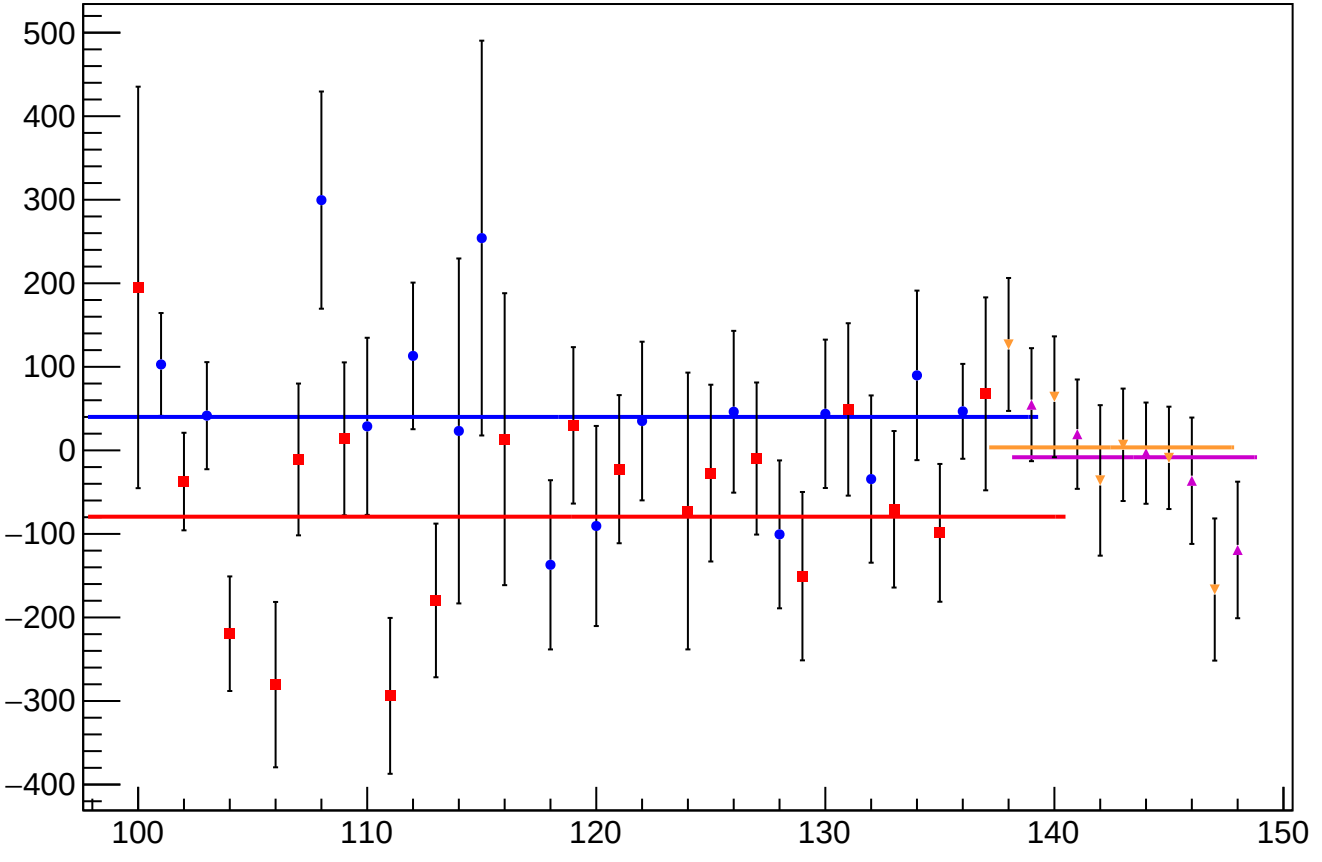
Left In: 337.488+/-0.116 χ^2/NDF:52647.8/4

+ sign 135.395+/-0.036 χ^2/NDF: 9173598.6/21

All: 136.655+/-0.025 χ^2/NDF: 17672486.6/45

- sign 137.910+/-0.036 χ^2/NDF: 8496421.5/23

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

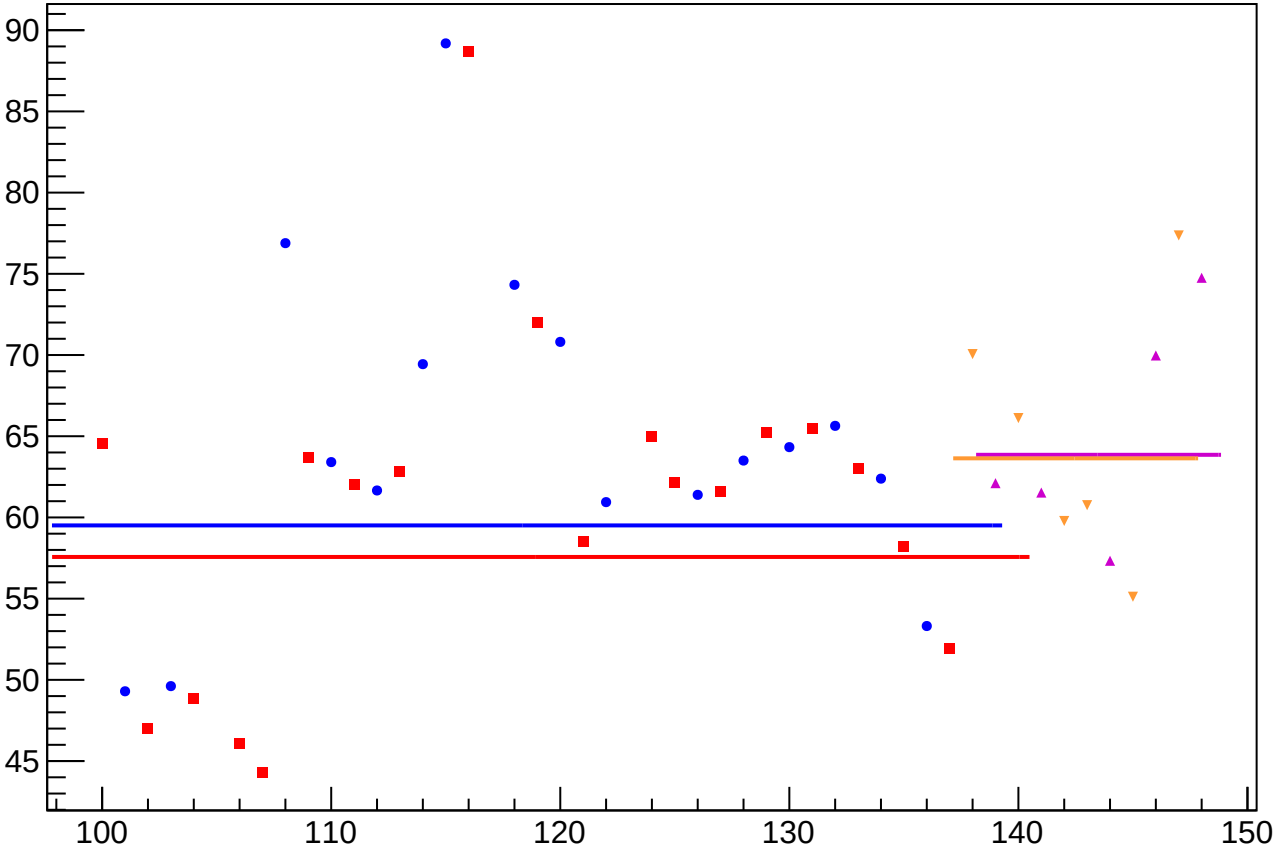
Left In: -8.221+/-30.877 χ^2/NDF:3.0/4

\+ sign 27.000+/-18.047 χ^2/NDF: 22.4/21

All: -15.352+/-12.632 χ^2/NDF: 64.6/45

\- sign -56.031+/-17.686 χ^2/NDF: 31.4/23

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

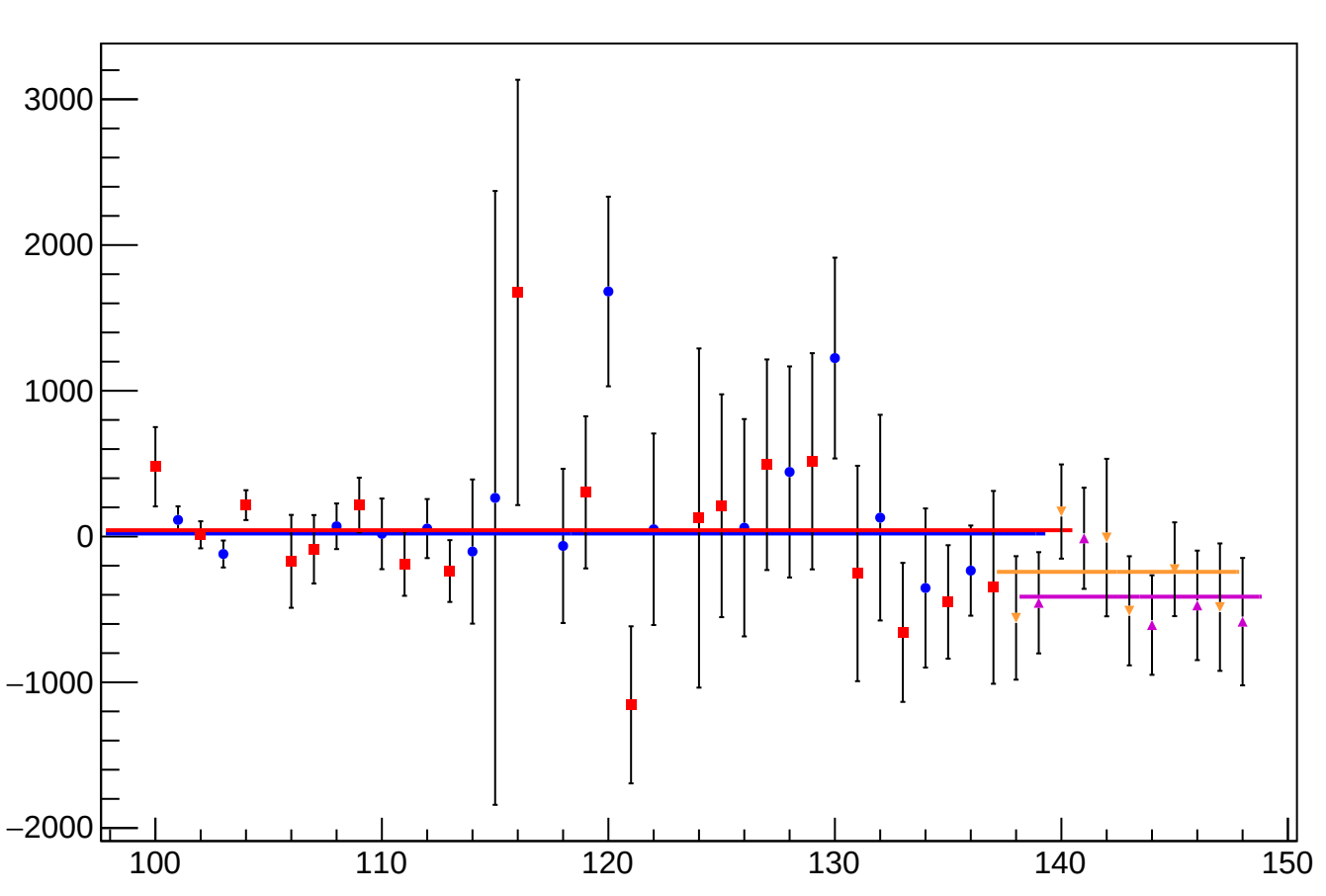
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.1/4

+ sign 60.985+/-0.013 χ^2/NDF: 420690.0/21

All: 60.294+/-0.009 χ^2/NDF: 905262.3/45

- sign 59.630+/-0.013 χ^2/NDF: 478821.7/23



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.978 χ^2/NDF:3.2/5

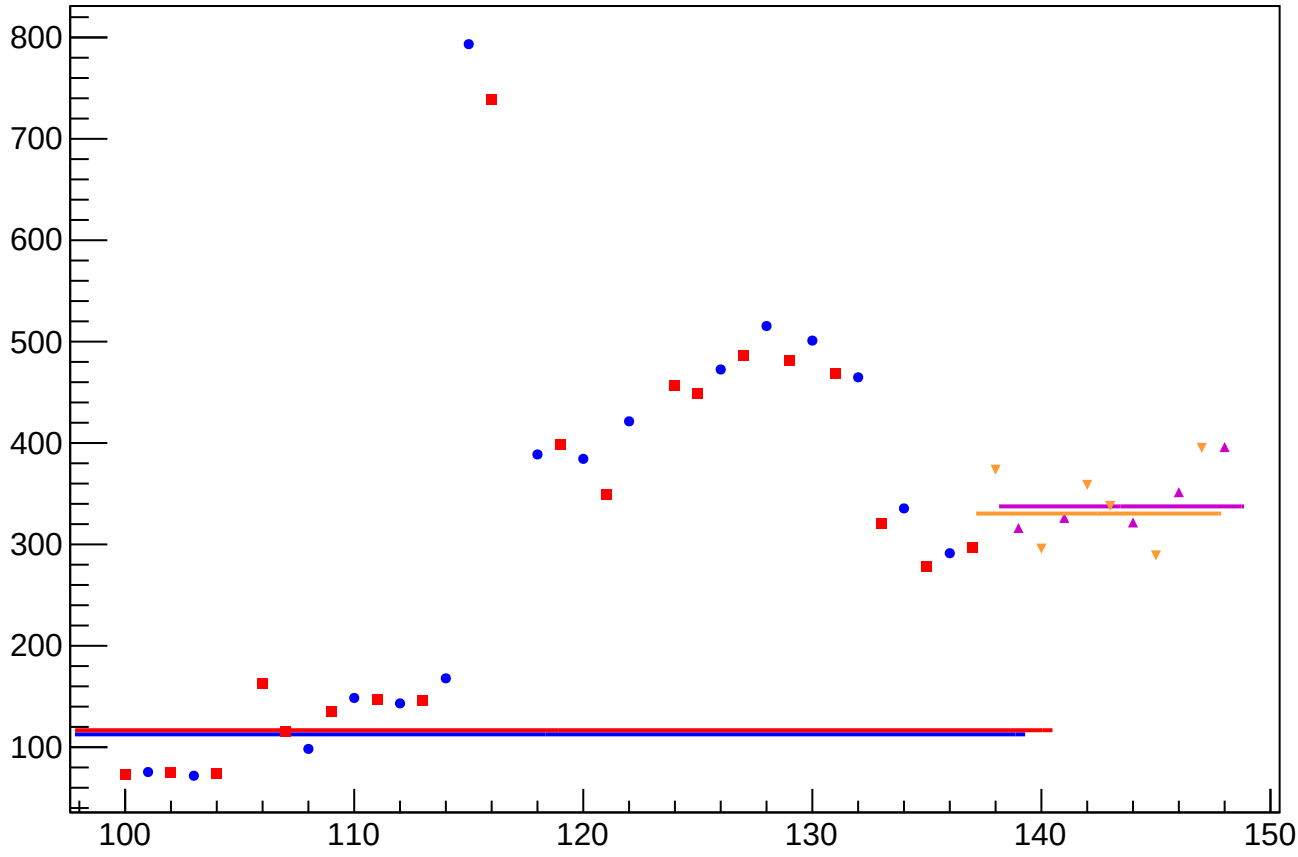
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -412.822+/-163.348 χ^2/NDF:1.9/4

+ sign -6.623+/-50.712 χ^2/NDF: 20.3/21

All: -3.550+/-35.817 χ^2/NDF: 50.8/45

- sign -0.491+/-50.594 χ^2/NDF: 30.4/23



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

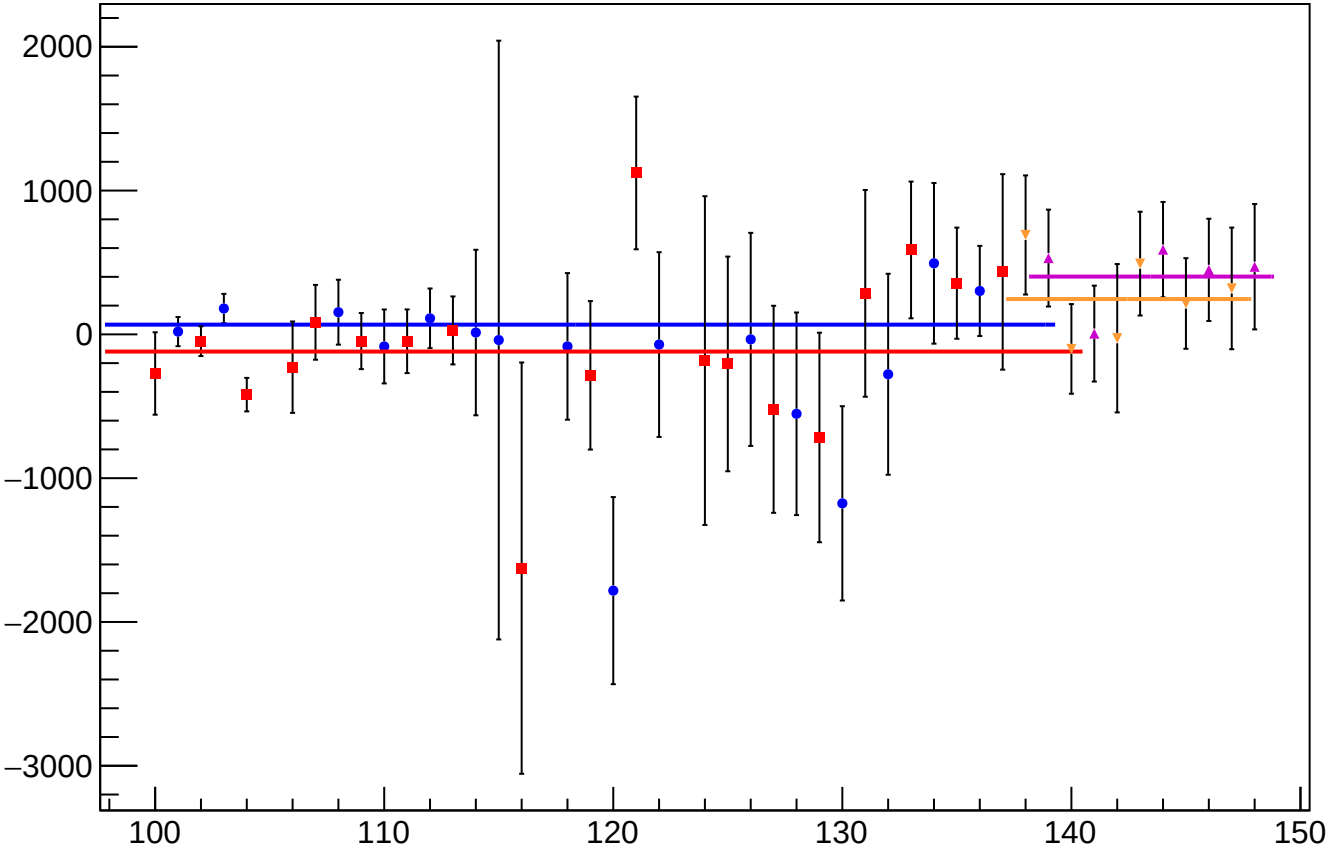
Left In: 337.489+/-0.116 χ^2/NDF:52648.7/4

+ sign 135.394+/-0.036 χ^2/NDF: 9173617.2/21

All: 136.655+/-0.025 χ^2/NDF: 17672532.9/45

- sign 137.910+/-0.036 χ^2/NDF: 8496449.4/23

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

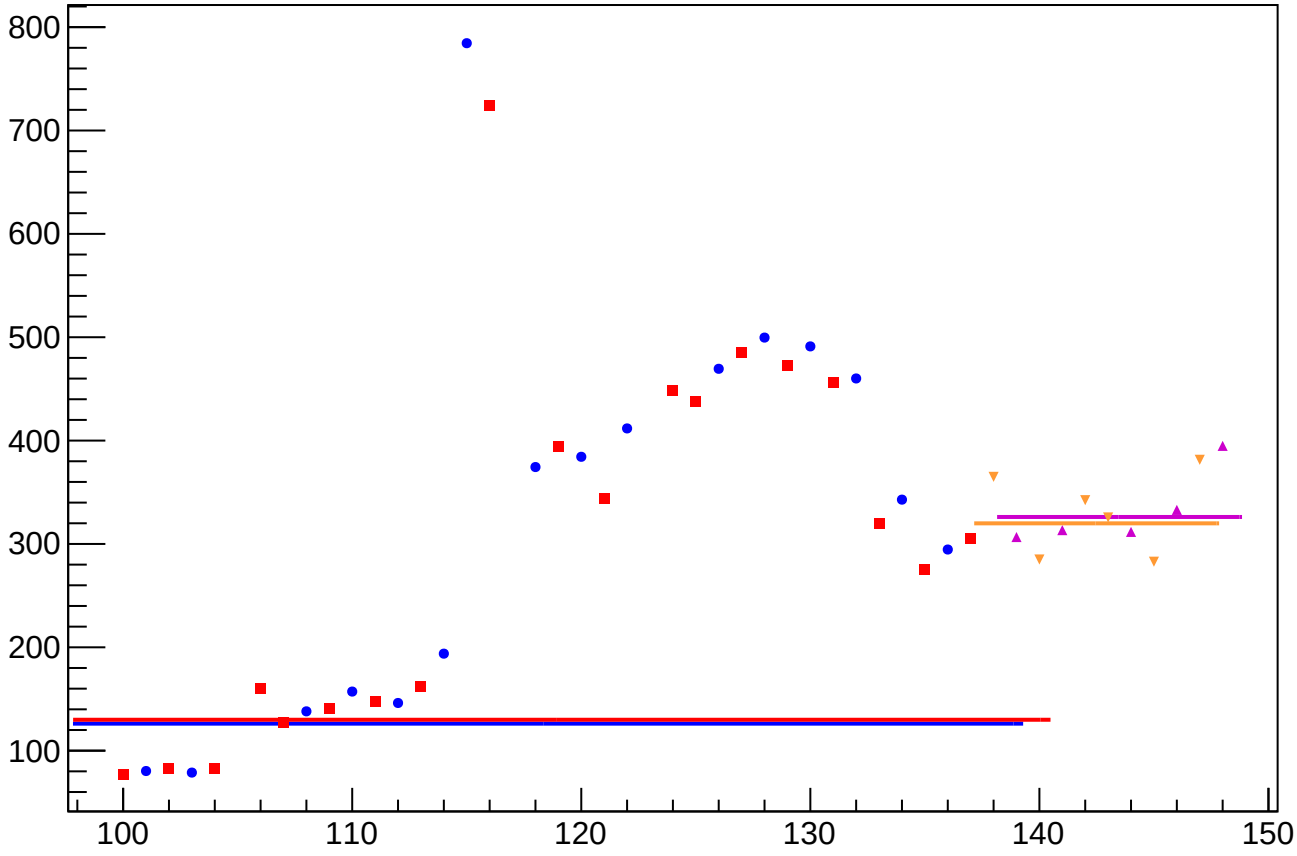
Left In: 401.873+/-157.965 χ^2/NDF:1.9/4

+ sign 91.004+/-55.144 χ^2/NDF: 20.2/21

All: 15.592+/-38.726 χ^2/NDF: 56.5/45

- sign -57.791+/-54.397 χ^2/NDF: 32.7/23

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

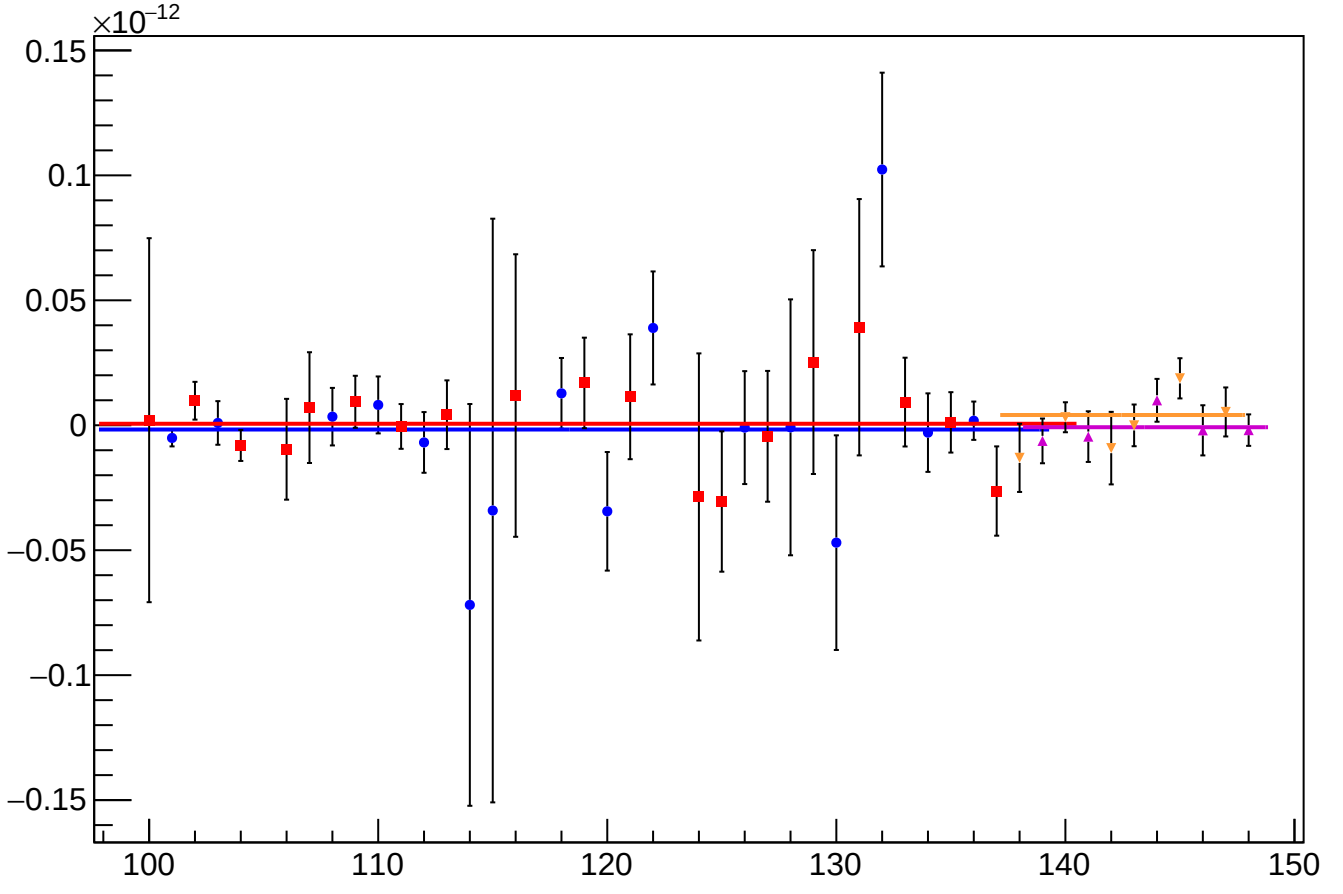
Left In: 326.102+/-0.112 χ^2/NDF:63914.2/4

+ sign 151.620+/-0.039 χ^2/NDF: 8162313.7/21

All: 152.411+/-0.027 χ^2/NDF: 15593876.4/45

- sign 153.180+/-0.038 χ^2/NDF: 7430751.8/23

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

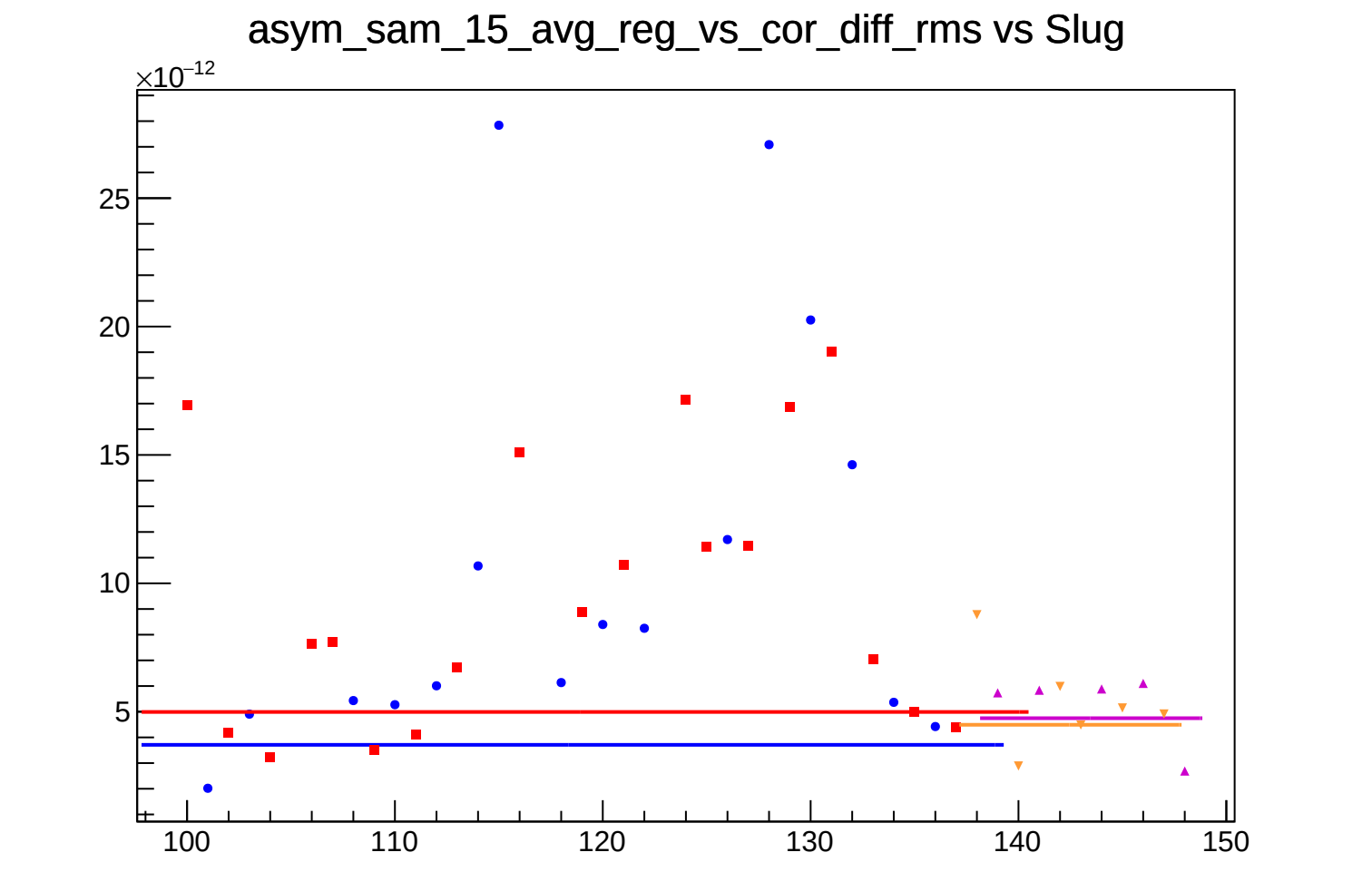
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/21

All: 0.000+/-0.000 χ^2/NDF: 38.3/45

- sign 0.000+/-0.000 χ^2/NDF: 12.8/23



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

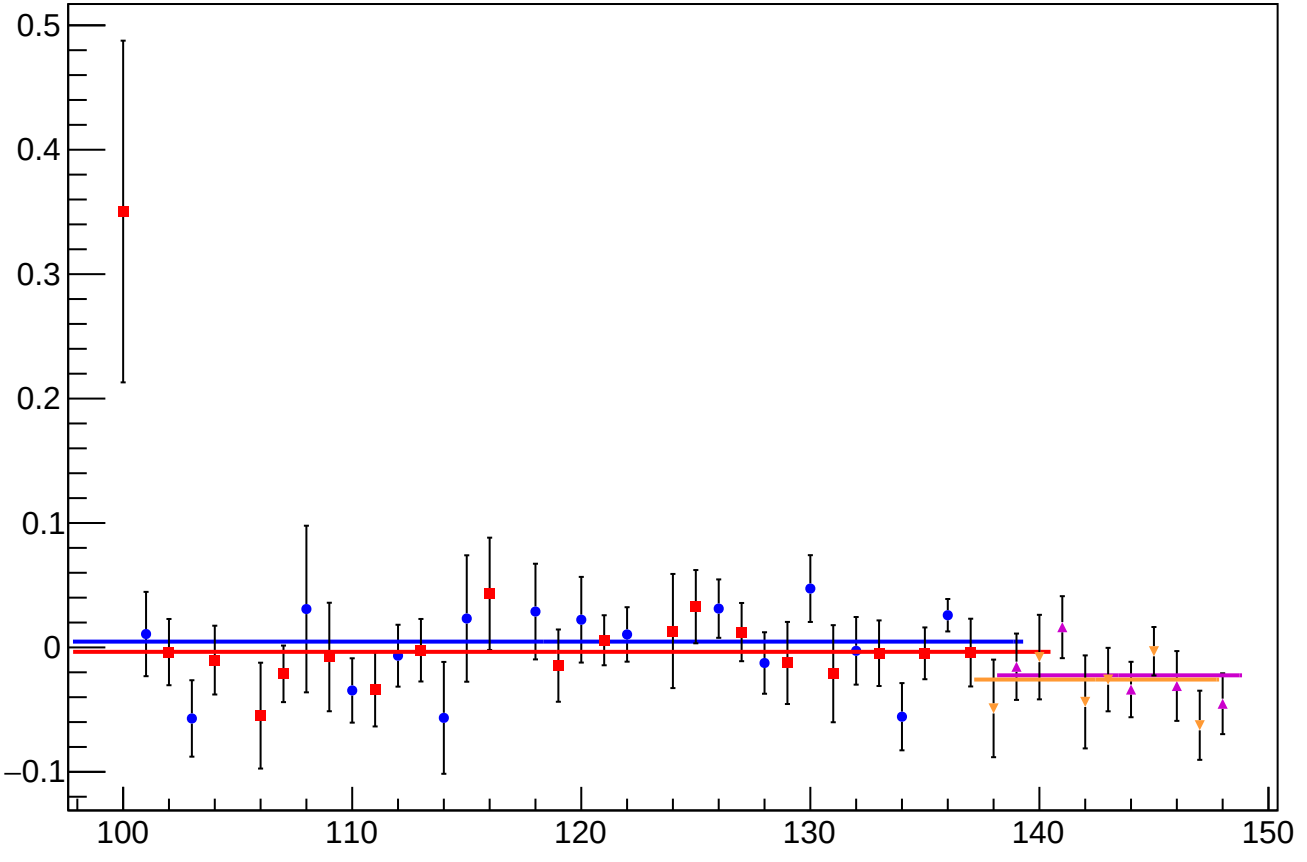
Left In: 0.000+/-0.000 χ^2/NDF:332766.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2614365.7/21

All: 0.000+/-0.000 χ^2/NDF: 4412206.2/45

- sign 0.000+/-0.000 χ^2/NDF: 1632997.1/23

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

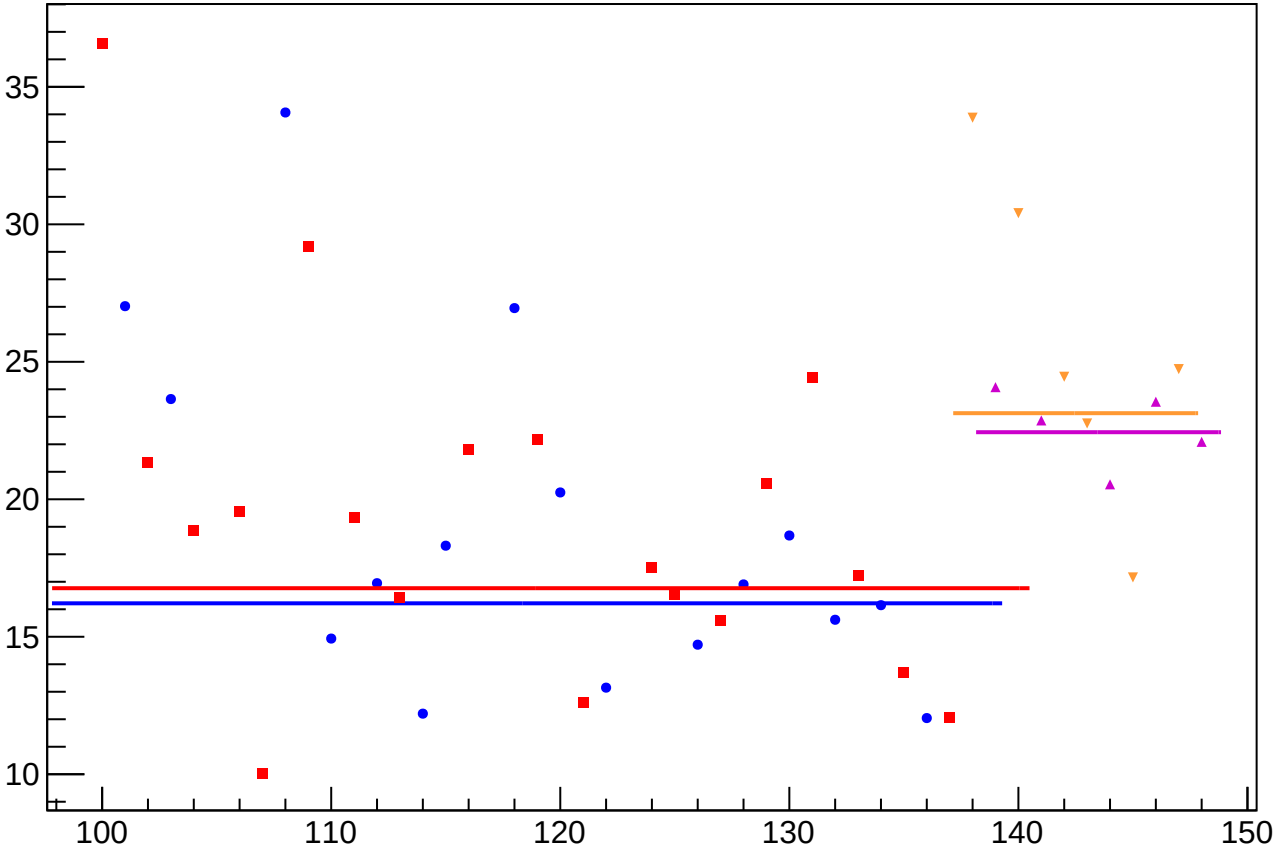
Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.006+/-0.004 χ^2/NDF: 50.7/45

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 23.132+/-0.008 χ^2/NDF:439588.2/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

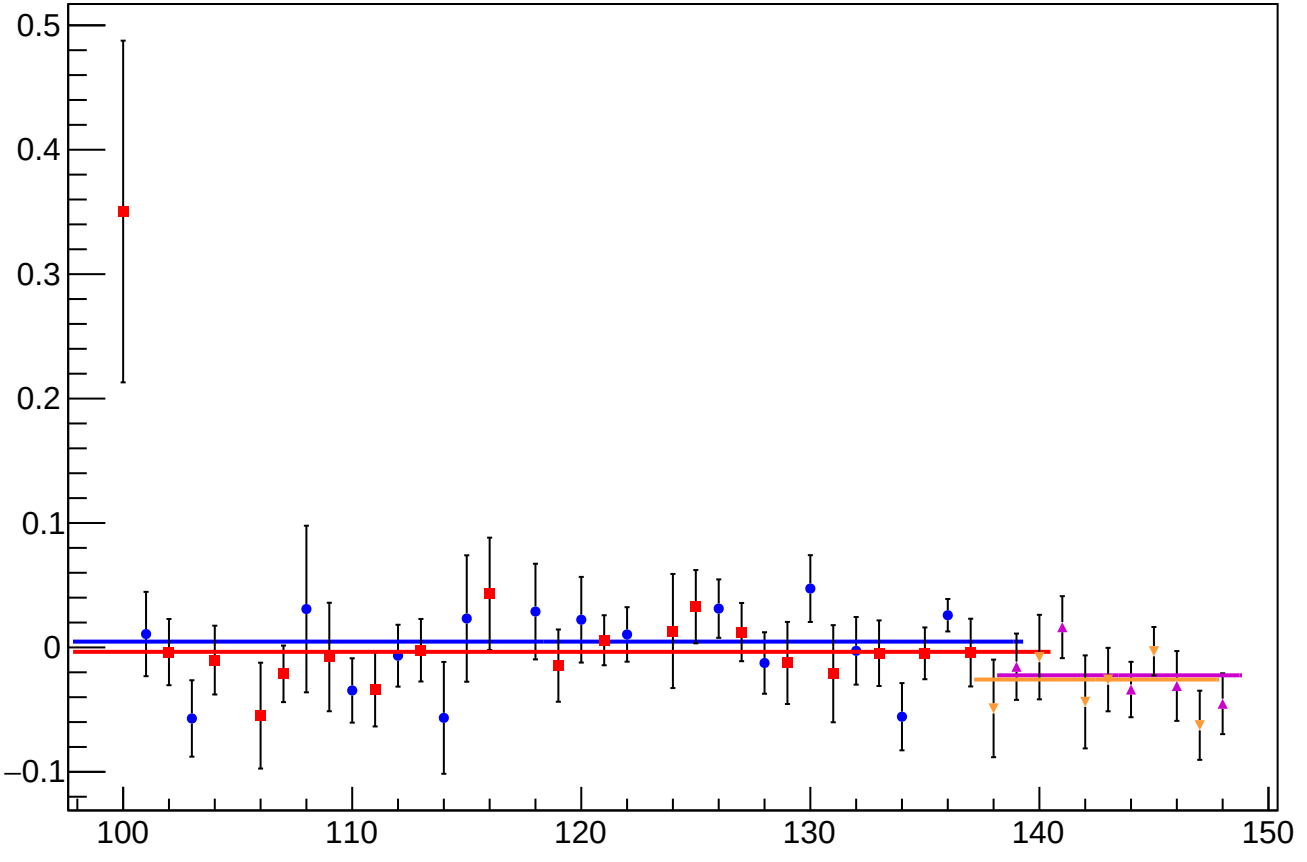
Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

\+ sign 17.940+/-0.004 χ^2/NDF: 1936393.9/21

All: 18.089+/-0.003 χ^2/NDF: 3212454.6/45

\- sign 18.238+/-0.004 χ^2/NDF: 1273312.4/23

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

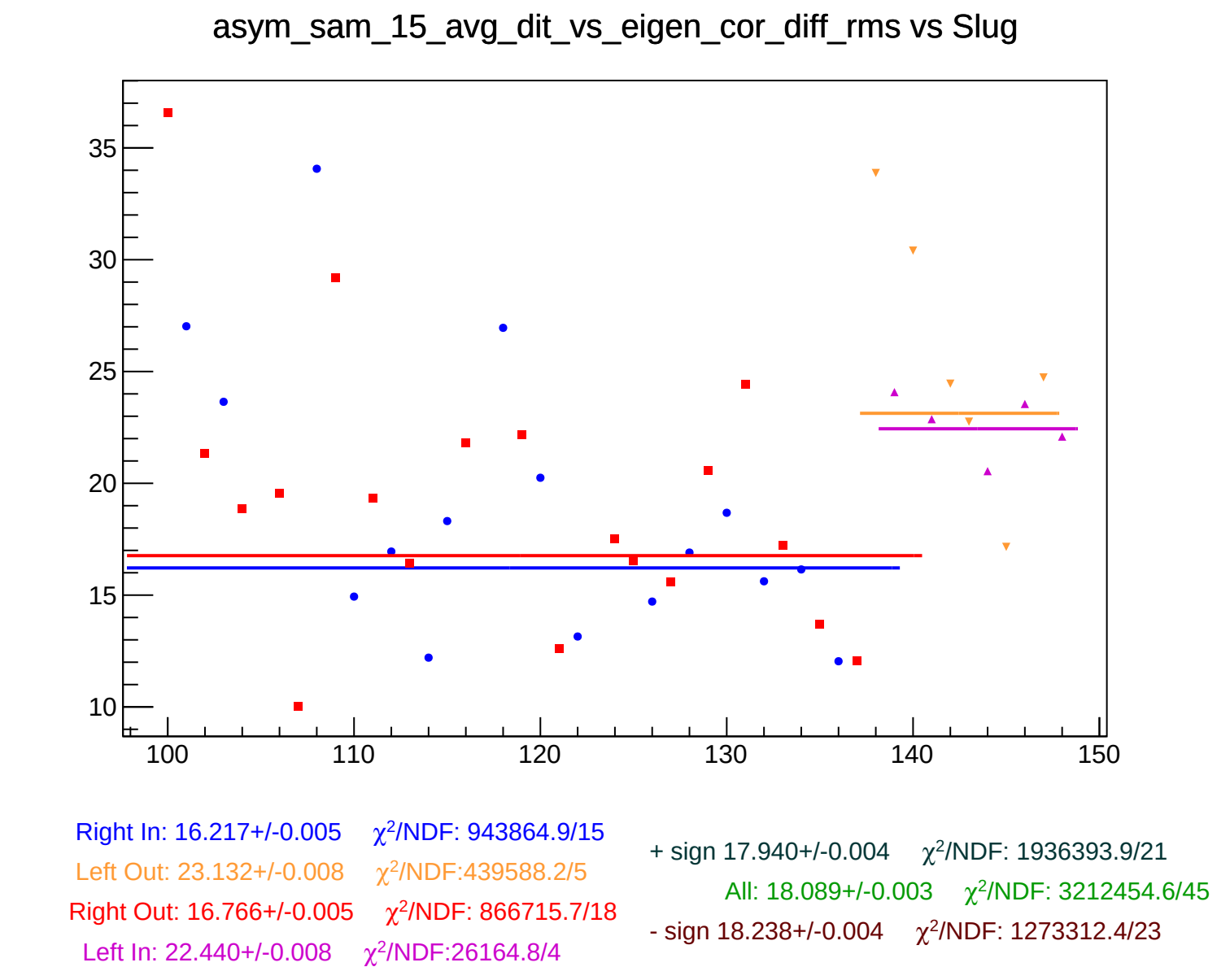
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.006+/-0.004 χ^2/NDF: 50.7/45

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
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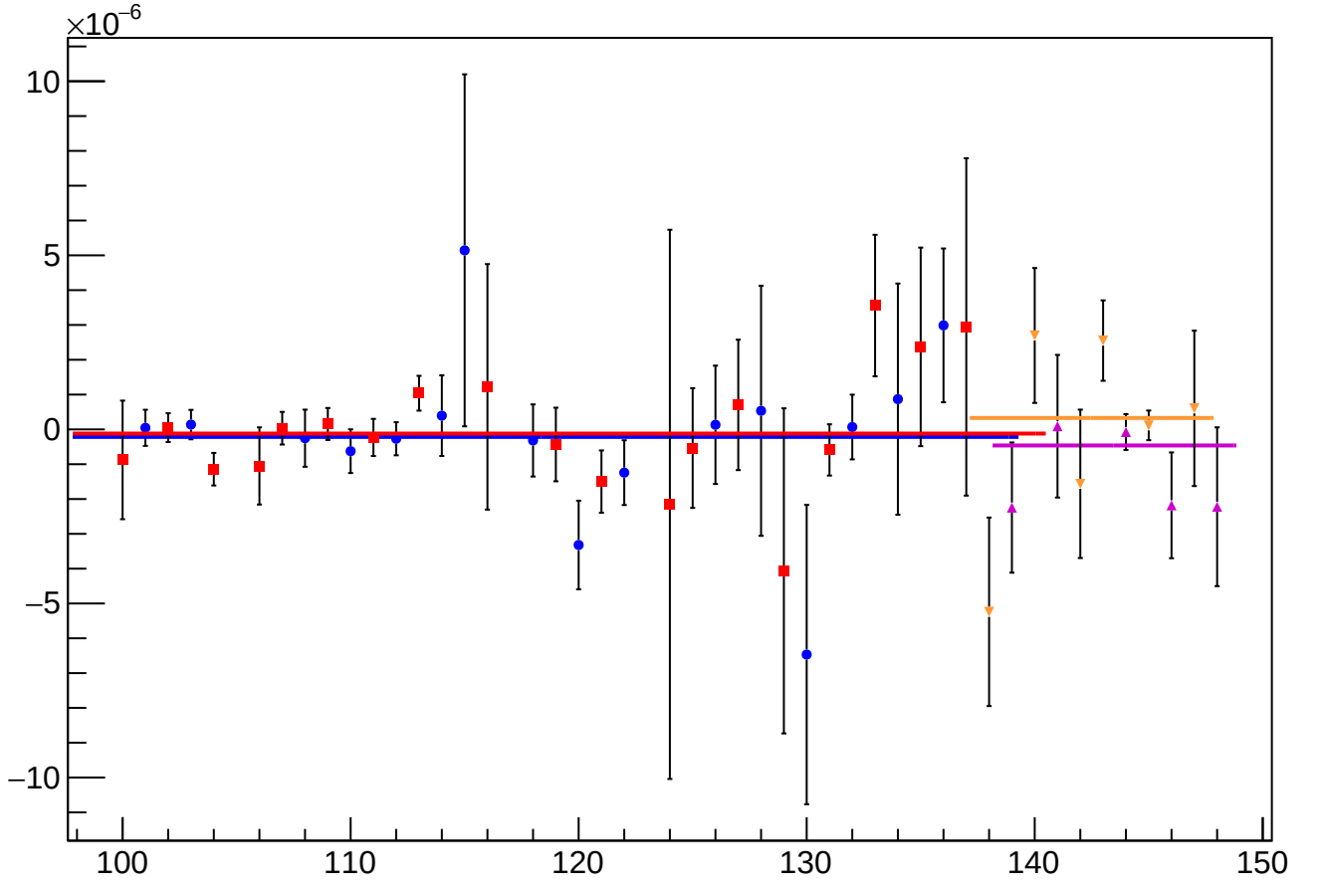
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 23.132+/-0.008 χ²/NDF:439588.2/5
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 22.440+/-0.008 χ²/NDF:26164.8/4
+ sign 17.940+/-0.004 χ²/NDF: 1936393.9/21
All: 18.089+/-0.003 χ²/NDF: 3212454.6/45
- sign 18.238+/-0.004 χ²/NDF: 1273312.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/5

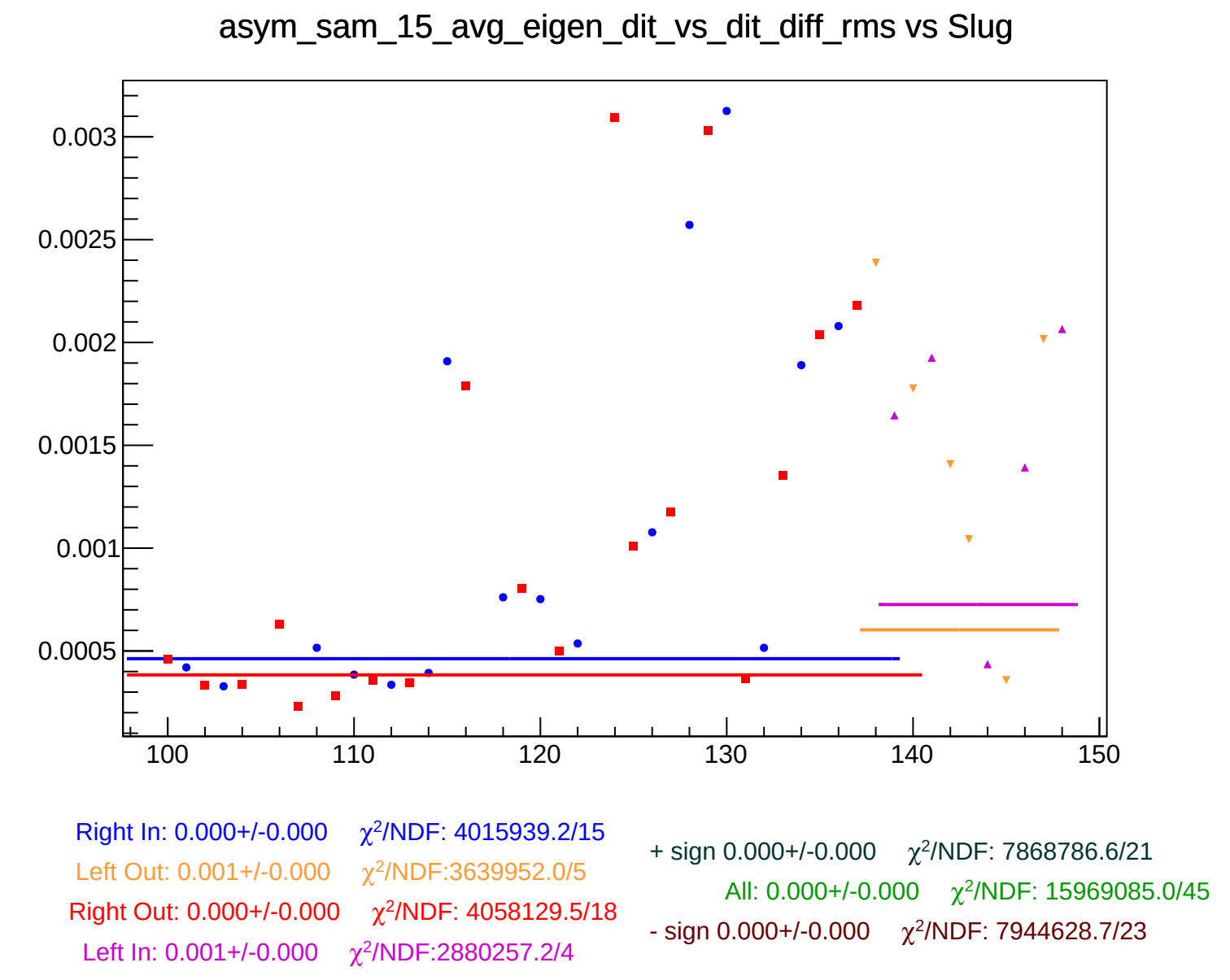
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/21

All: -0.000+/-0.000 χ^2/NDF: 50.8/45

- sign -0.000+/-0.000 χ^2/NDF: 24.1/23


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
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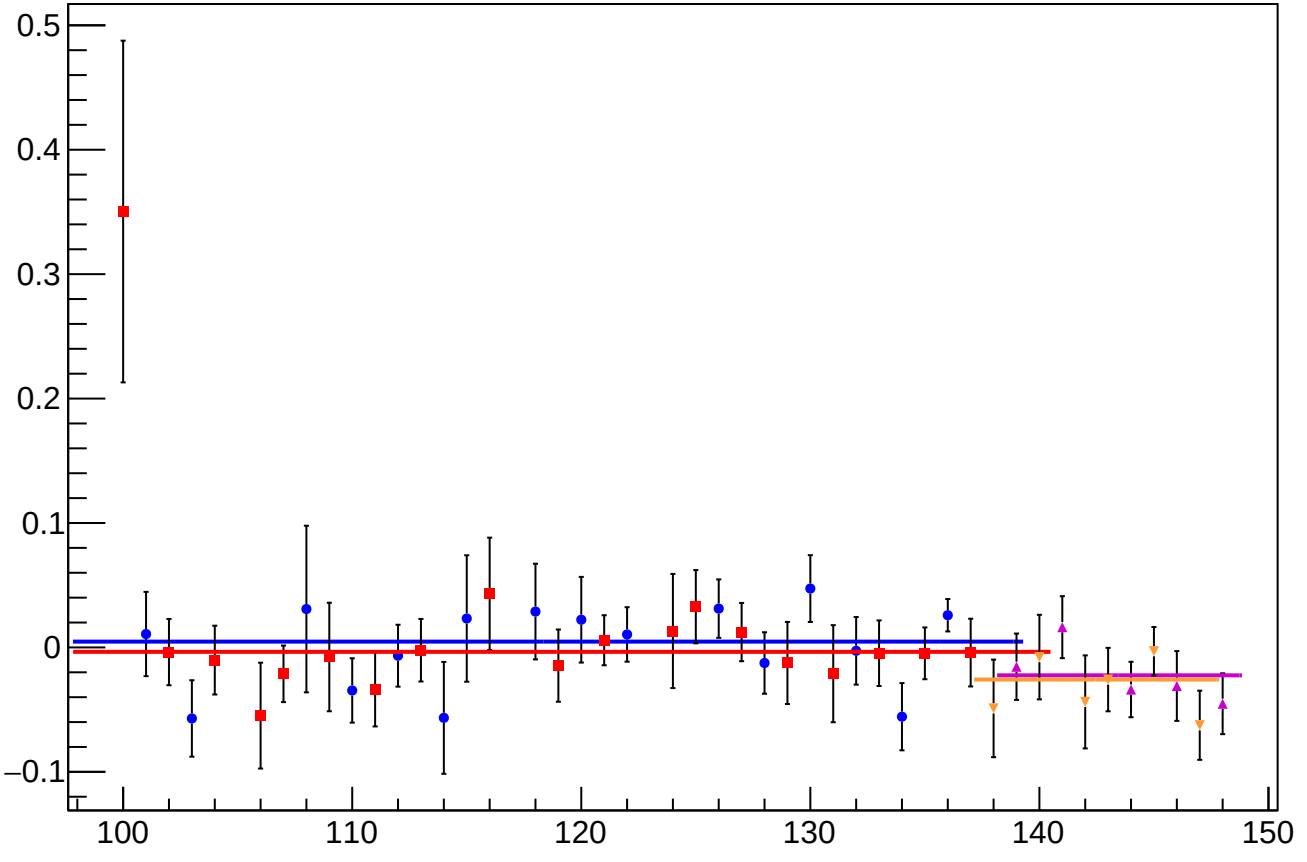
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3639952.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2880257.2/4
+ sign 0.000+/-0.000 χ²/NDF: 7868786.6/21
All: 0.000+/-0.000 χ²/NDF: 15969085.0/45
- sign 0.000+/-0.000 χ²/NDF: 7944628.7/23

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

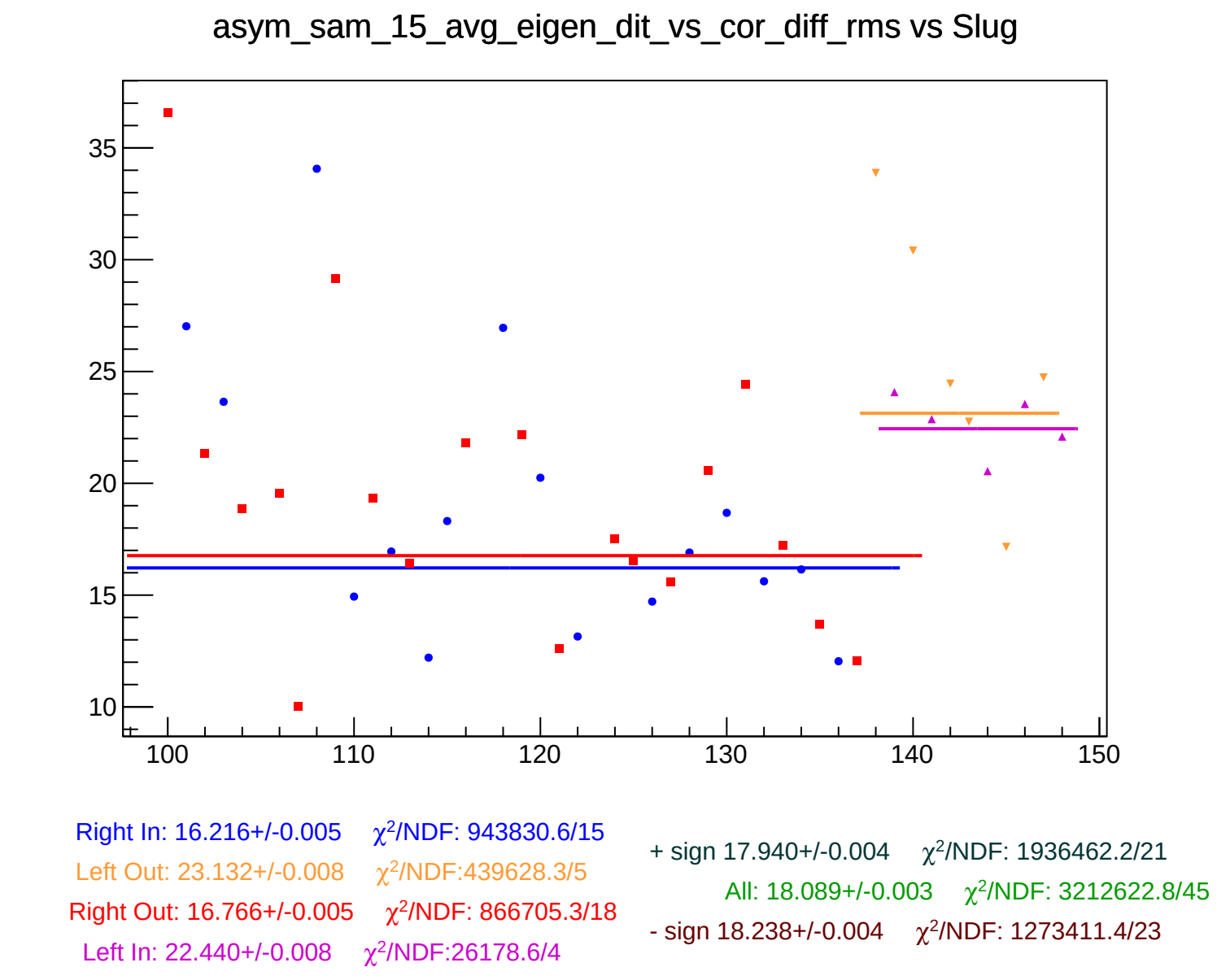
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.006+/-0.004 χ^2/NDF: 50.7/45

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
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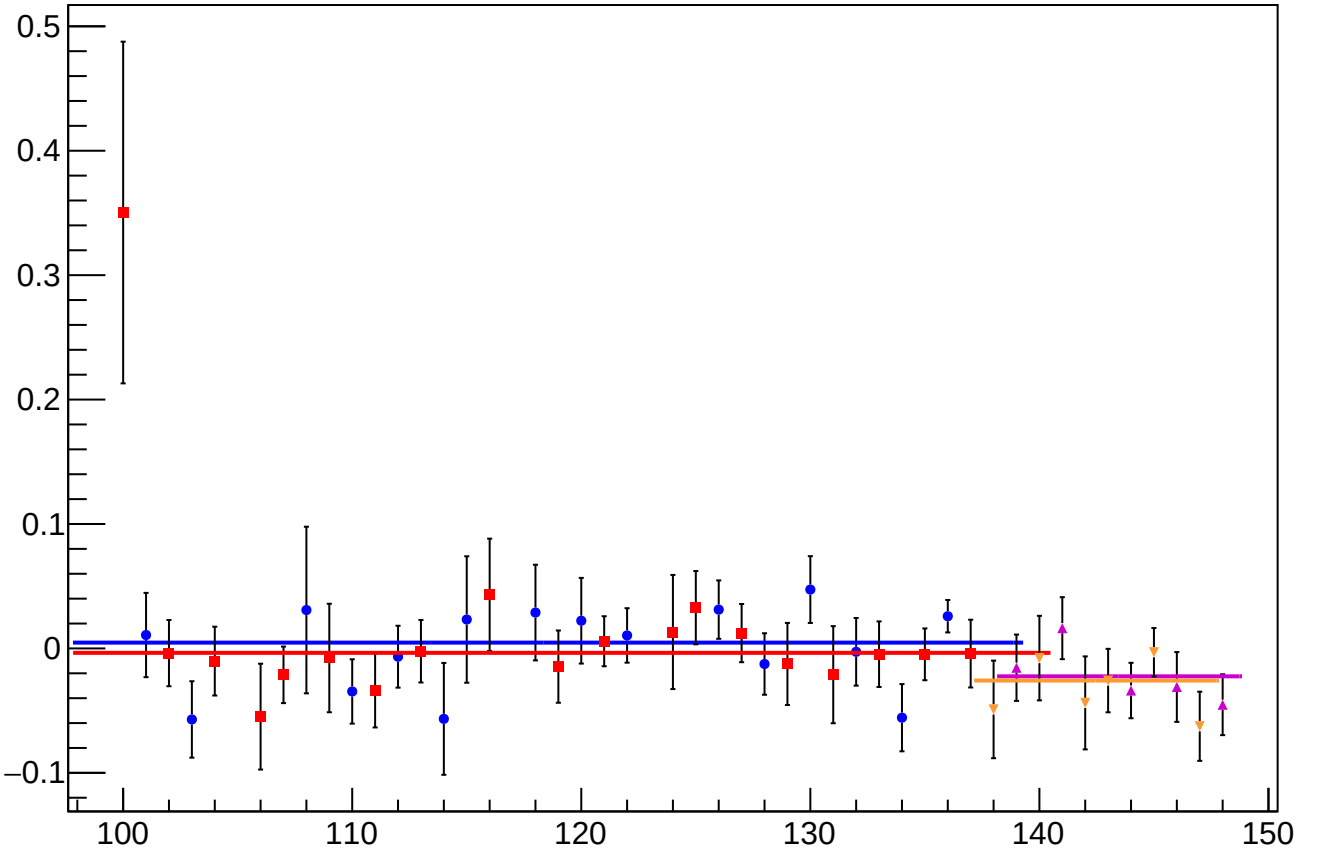
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 23.132+/-0.008 χ²/NDF:439628.3/5
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 22.440+/-0.008 χ²/NDF:26178.6/4
+ sign 17.940+/-0.004 χ²/NDF: 1936462.2/21
All: 18.089+/-0.003 χ²/NDF: 3212622.8/45
- sign 18.238+/-0.004 χ²/NDF: 1273411.4/23



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

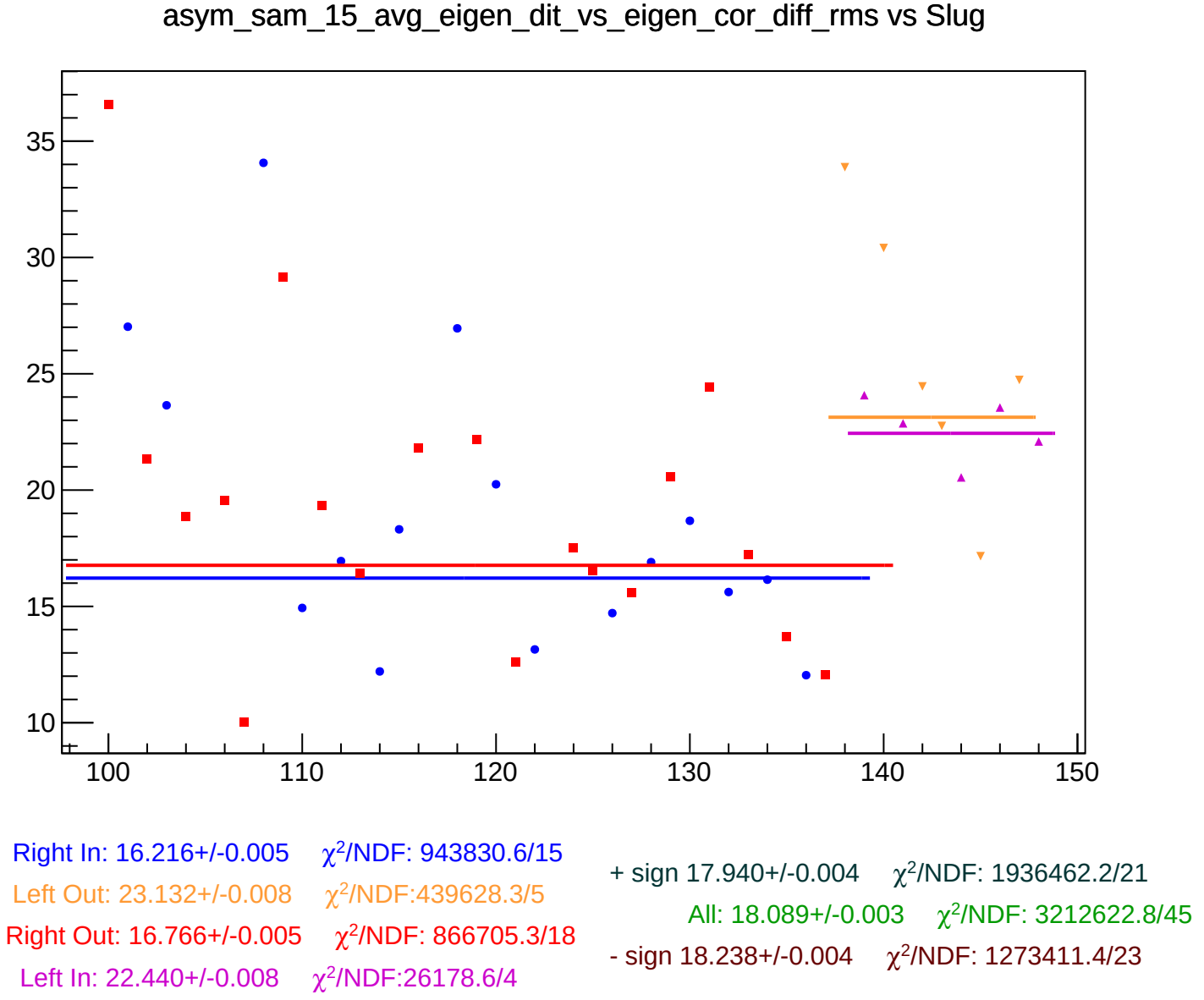
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.003+/-0.006 χ^2/NDF: 30.8/21

All: -0.006+/-0.004 χ^2/NDF: 50.7/45

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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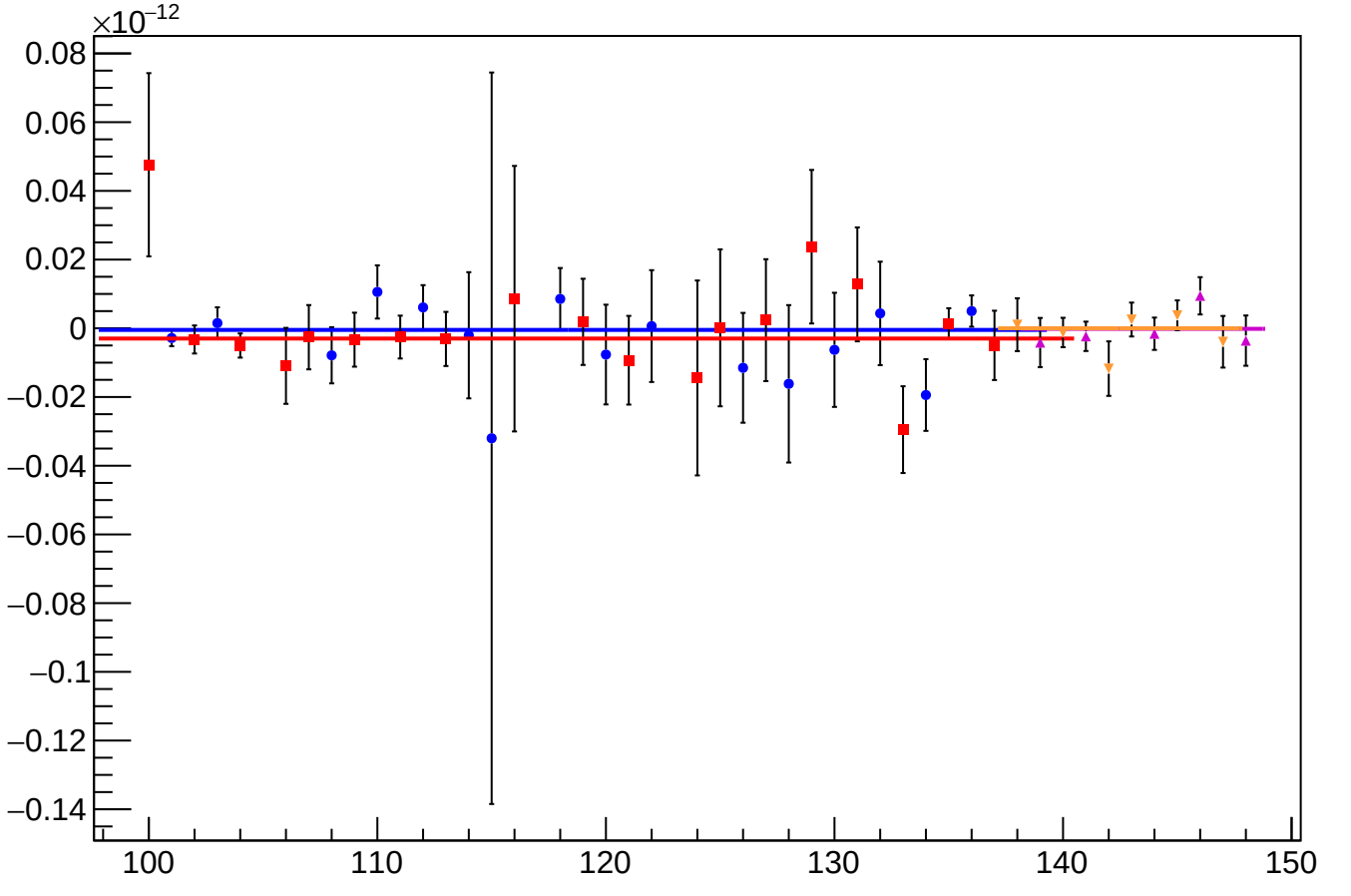
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 23.132+/-0.008 χ²/NDF:439628.3/5
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 22.440+/-0.008 χ²/NDF:26178.6/4
+ sign 17.940+/-0.004 χ²/NDF: 1936462.2/21
All: 18.089+/-0.003 χ²/NDF: 3212622.8/45
- sign 18.238+/-0.004 χ²/NDF: 1273411.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

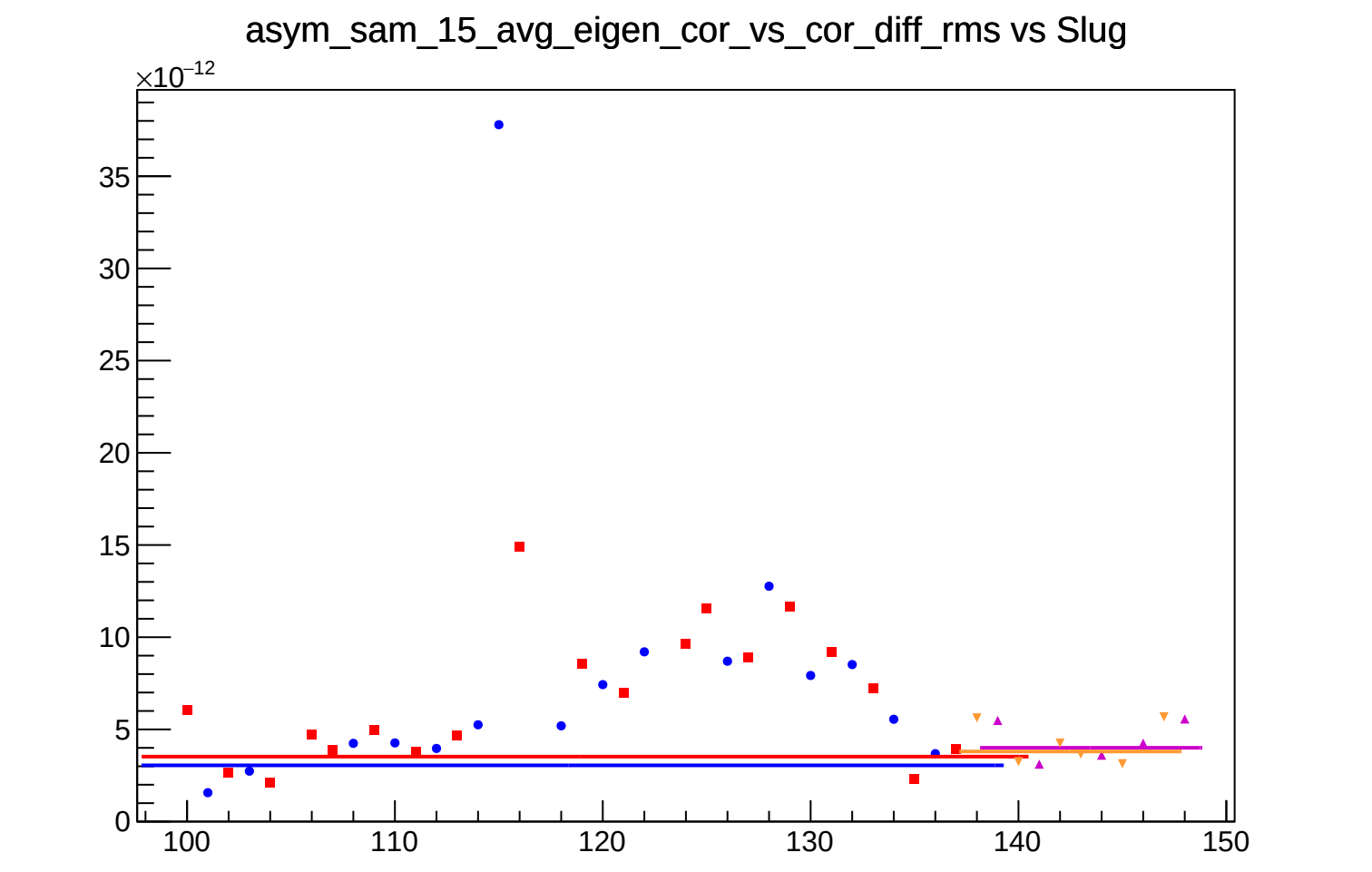
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 15.9/21

All: -0.000+/-0.000 χ^2/NDF: 34.6/45

- sign -0.000+/-0.000 χ^2/NDF: 17.9/23



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

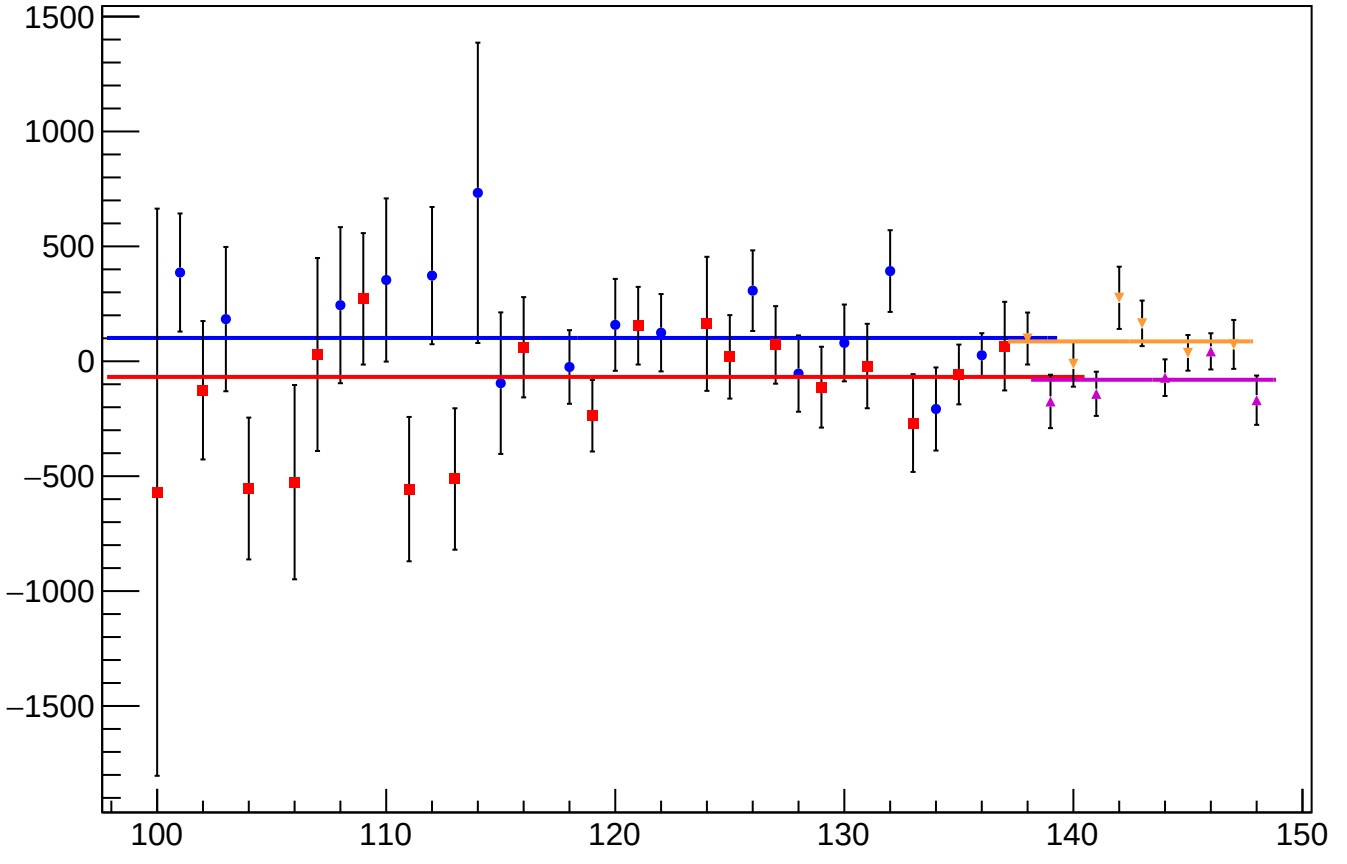
Left In: 0.000+/-0.000 χ^2/NDF:281594.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 3409684.6/21

All: 0.000+/-0.000 χ^2/NDF: 6377832.7/45

- sign 0.000+/-0.000 χ^2/NDF: 2891582.5/23

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

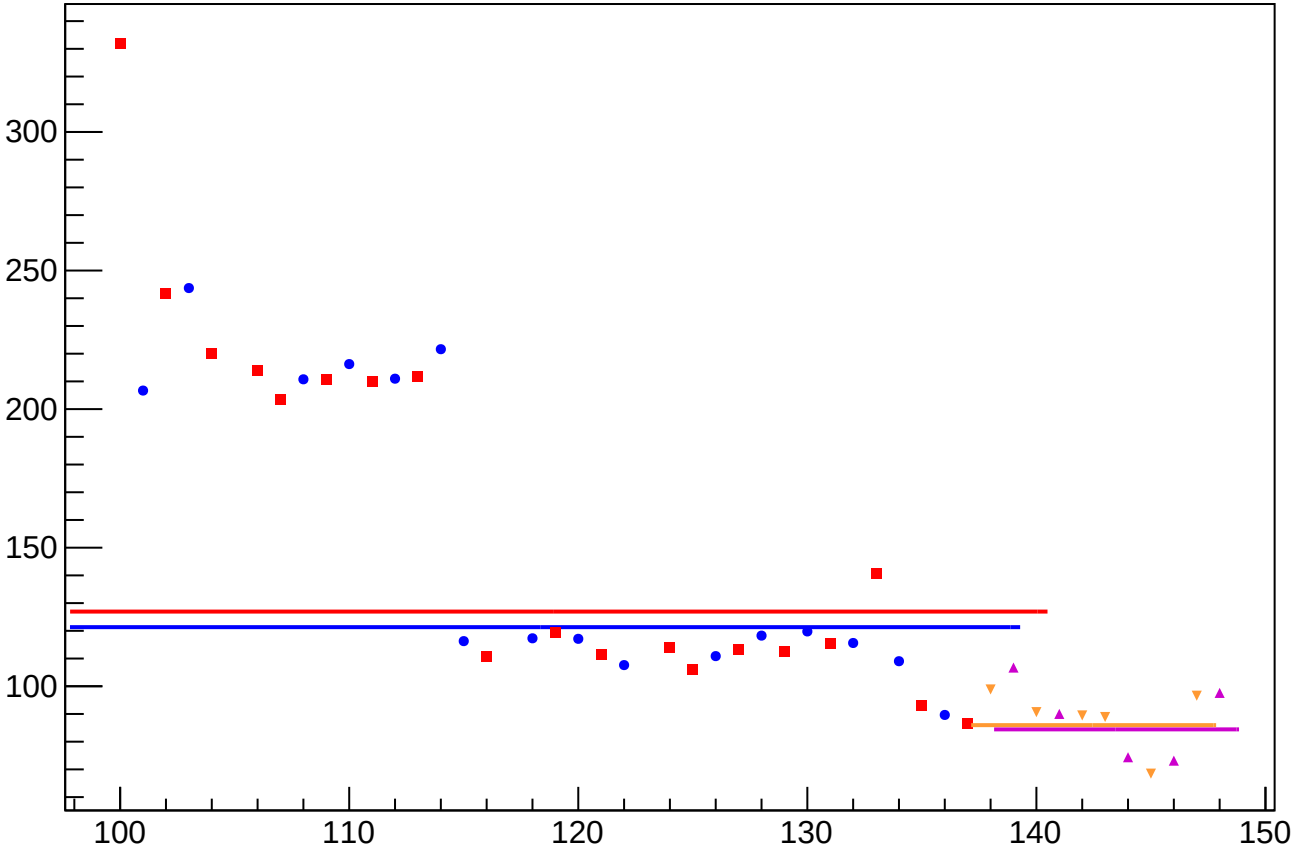
Left In: -80.426+/-41.252 χ^2/NDF:4.2/4

+ sign 92.876+/-31.135 χ^2/NDF: 17.4/21

All: 10.125+/-22.194 χ^2/NDF: 52.2/45

- sign -75.356+/-31.645 χ^2/NDF: 20.4/23

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

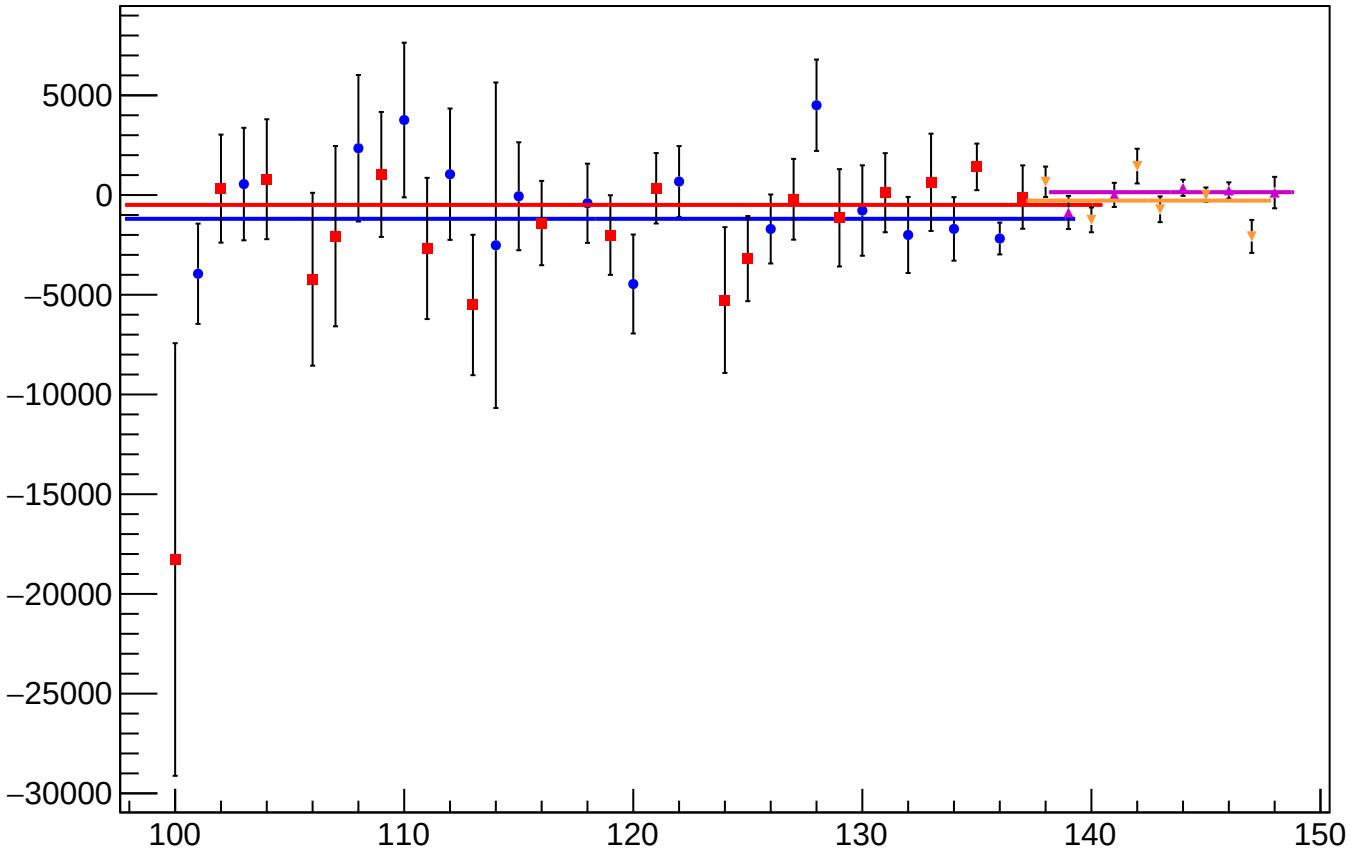
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 101.075+/-0.022 χ^2/NDF: 2073189.3/21

All: 101.497+/-0.016 χ^2/NDF: 4602768.6/45

- sign 101.933+/-0.022 χ^2/NDF: 2528833.2/23



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

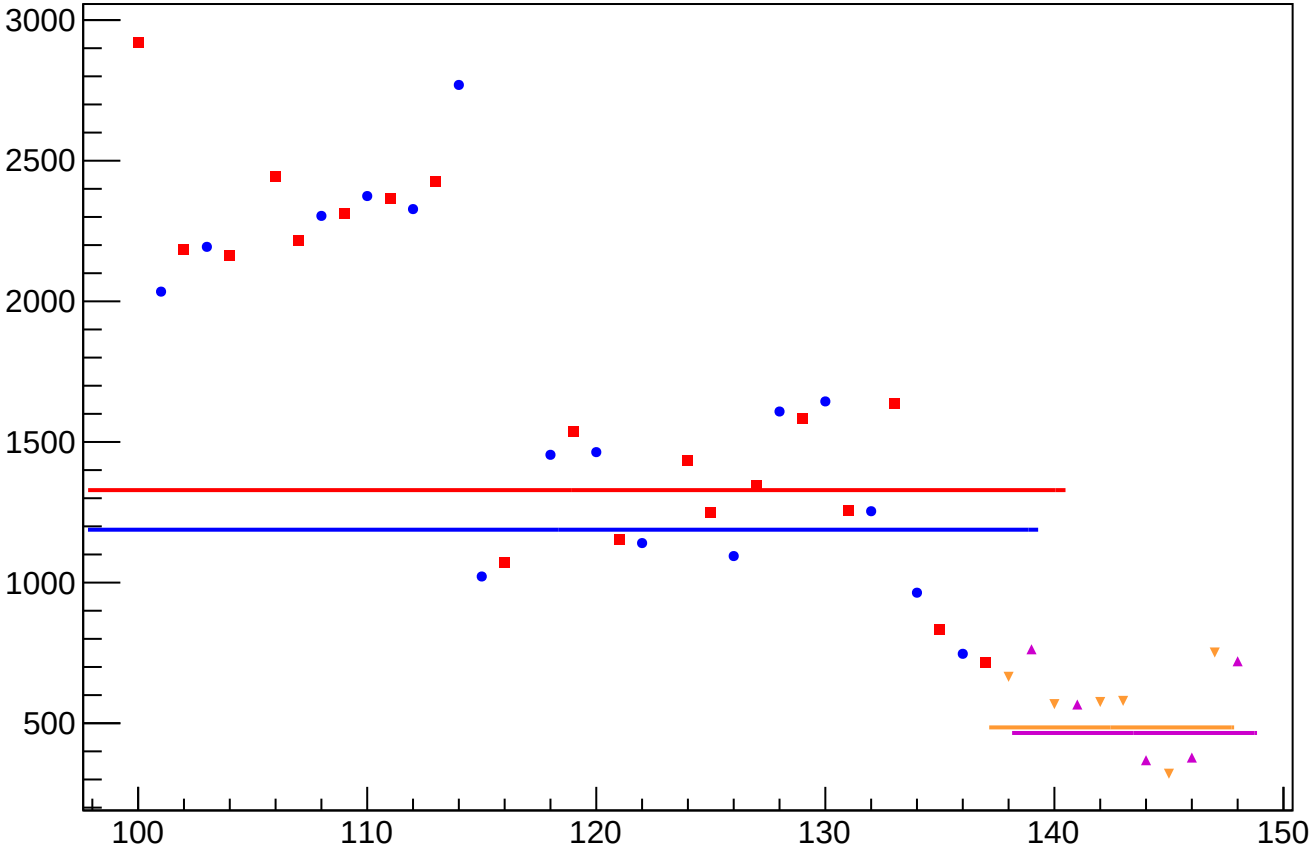
Left In: 143.861+/-236.147 χ^2/NDF:1.9/4

+ sign -464.330+/-215.871 χ^2/NDF: 32.5/21

All: -213.662+/-152.384 χ^2/NDF: 52.2/45

- sign 35.306+/-215.138 χ^2/NDF: 17.0/23

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

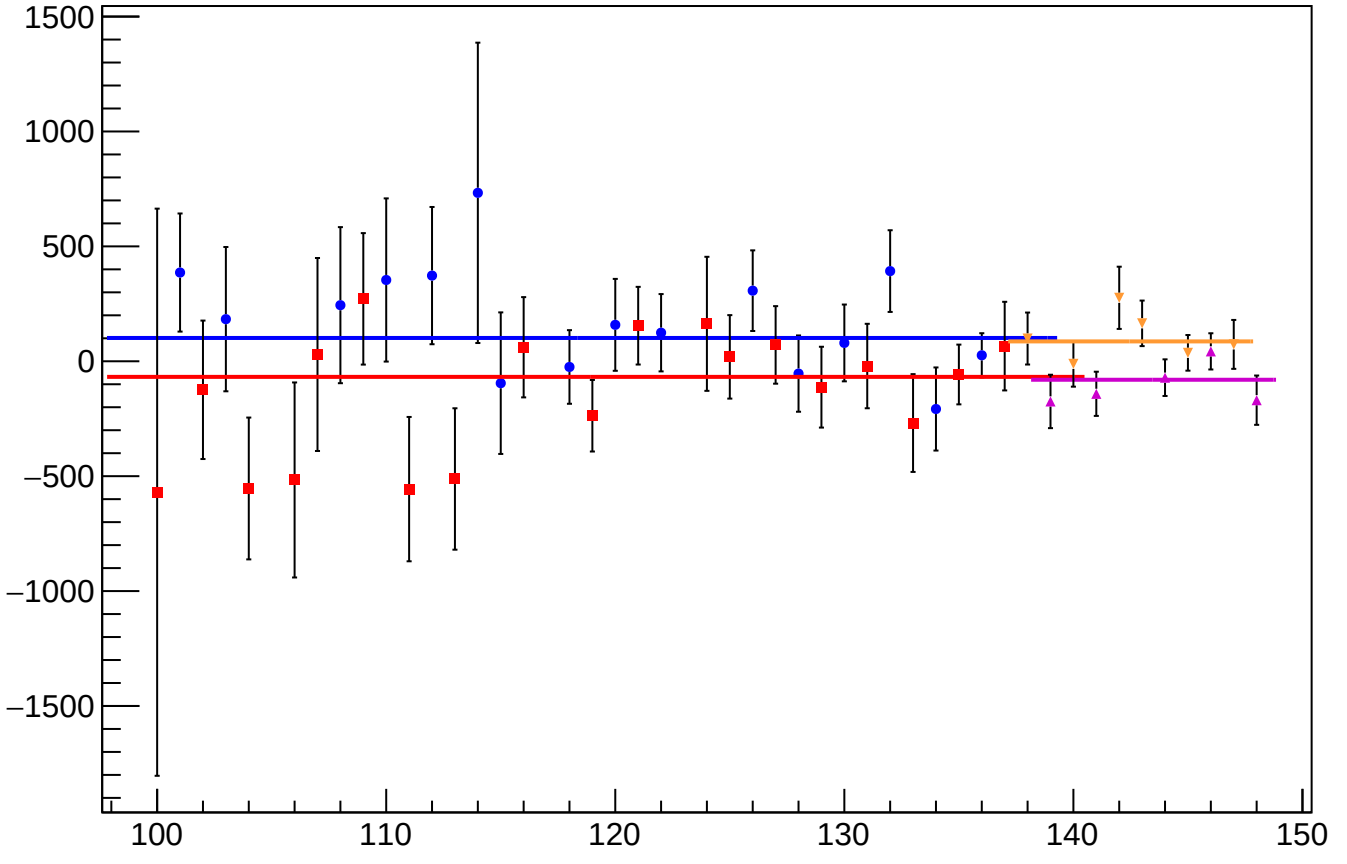
Left In: 465.349+/-0.167 χ^2/NDF:729040.3/4

+ sign 627.993+/-0.153 χ^2/NDF: 6308403.3/21

All: 620.047+/-0.108 χ^2/NDF: 13546879.4/45

- sign 612.155+/-0.152 χ^2/NDF: 7233074.7/23

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

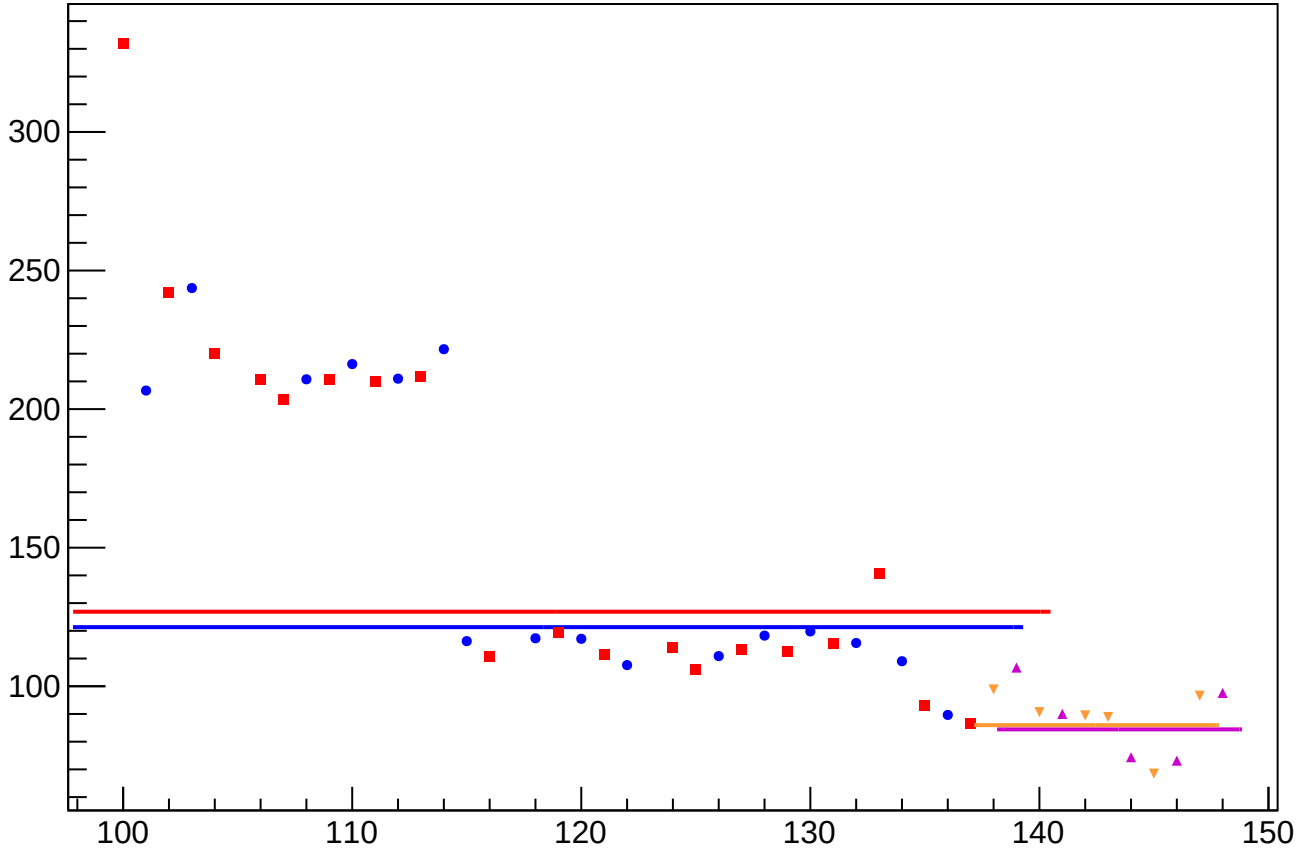
Left In: -80.428+/-41.252 χ^2/NDF:4.2/4

+ sign 92.871+/-31.135 χ^2/NDF: 17.4/21

All: 10.169+/-22.194 χ^2/NDF: 52.1/45

- sign -75.265+/-31.646 χ^2/NDF: 20.3/23

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

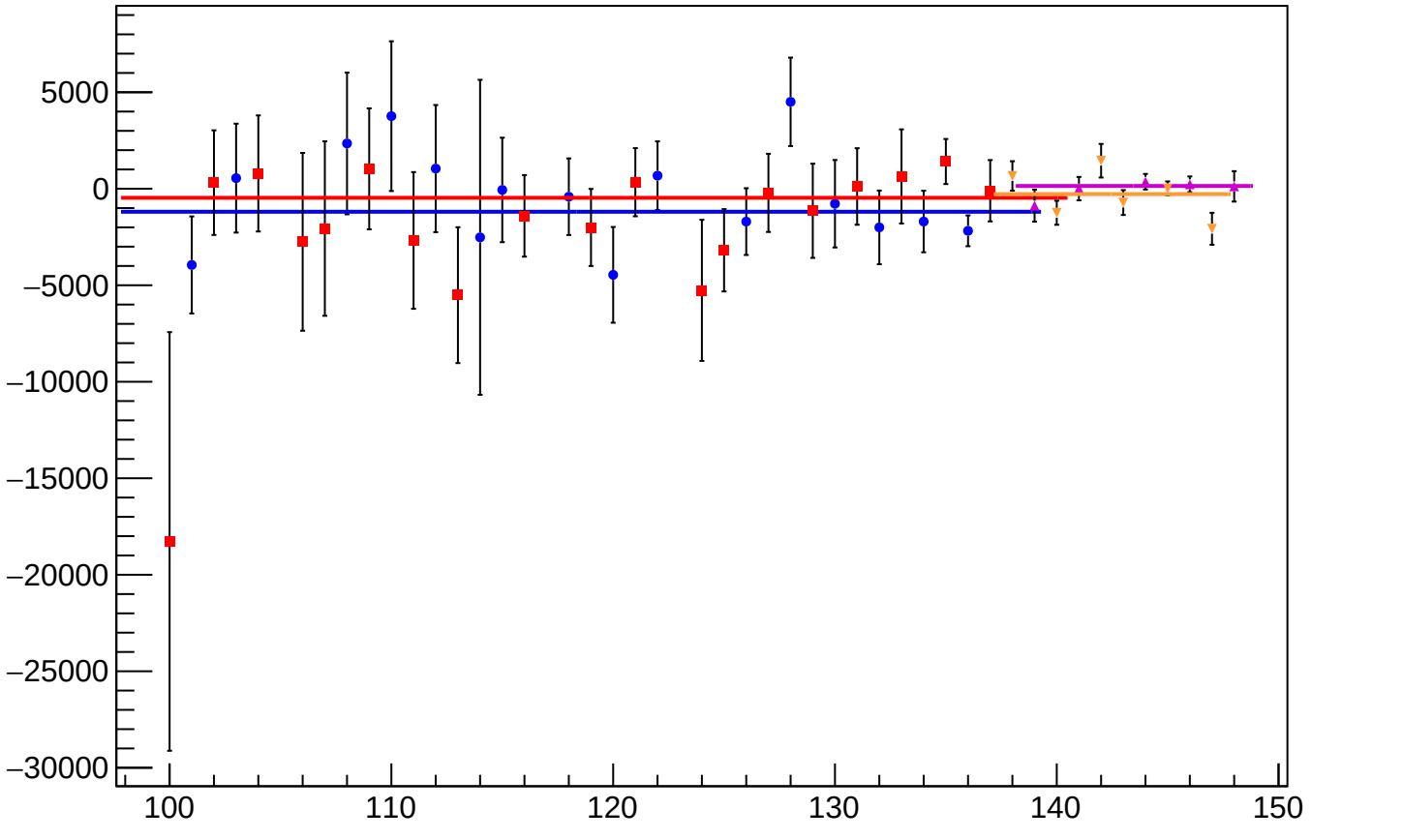
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 101.075+/-0.022 χ^2/NDF: 2073191.7/21

All: 101.486+/-0.016 χ^2/NDF: 4594500.6/45

- sign 101.911+/-0.022 χ^2/NDF: 2520600.5/23



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

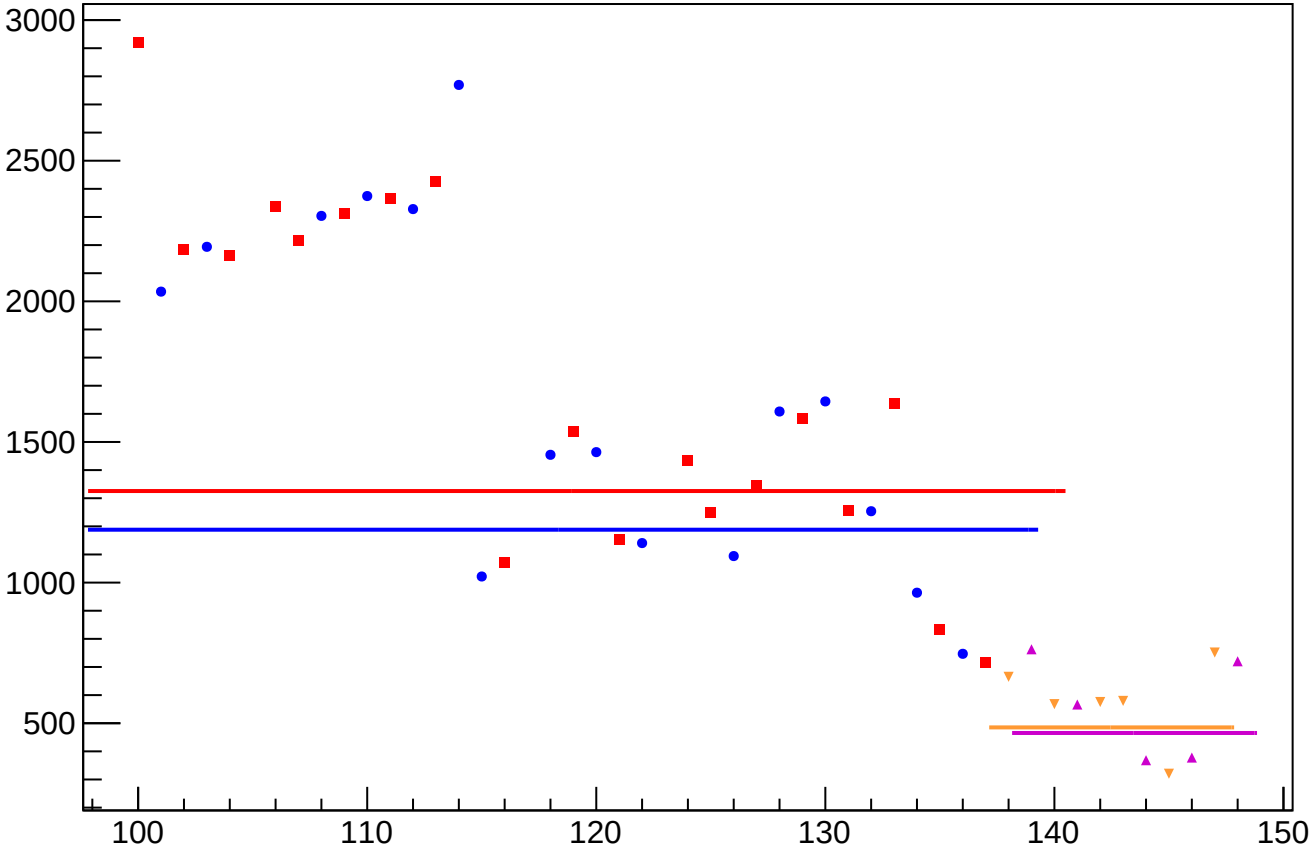
Left In: 143.852+/-236.147 χ^2/NDF:1.9/4

+ sign -464.318+/-215.871 χ^2/NDF: 32.5/21

All: -211.499+/-152.395 χ^2/NDF: 51.7/45

- sign 39.679+/-215.169 χ^2/NDF: 16.4/23

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

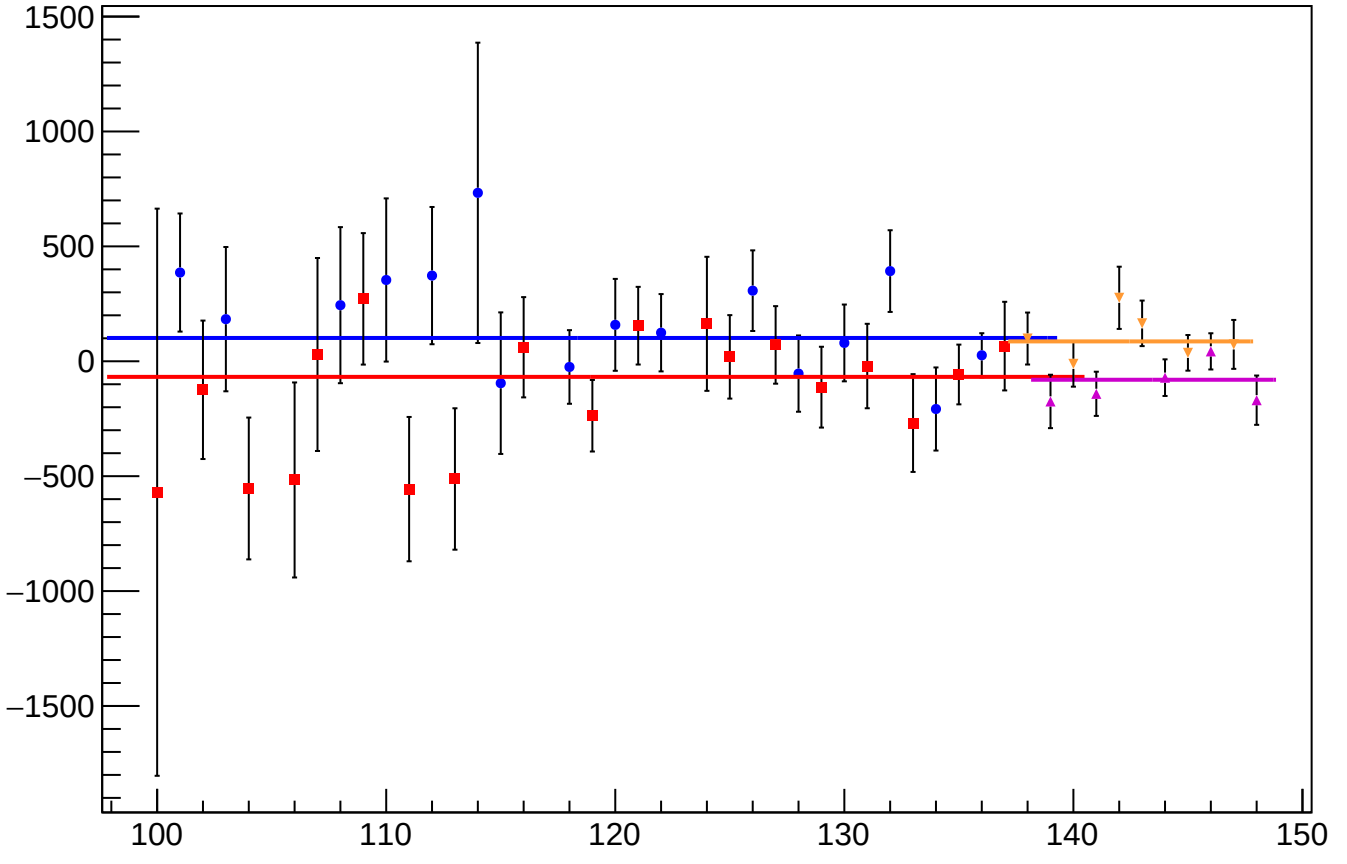
Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

+ sign 627.992+/-0.153 χ^2/NDF: 6308438.8/21

All: 619.666+/-0.108 χ^2/NDF: 13470074.8/45

- sign 611.394+/-0.152 χ^2/NDF: 7155704.7/23

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

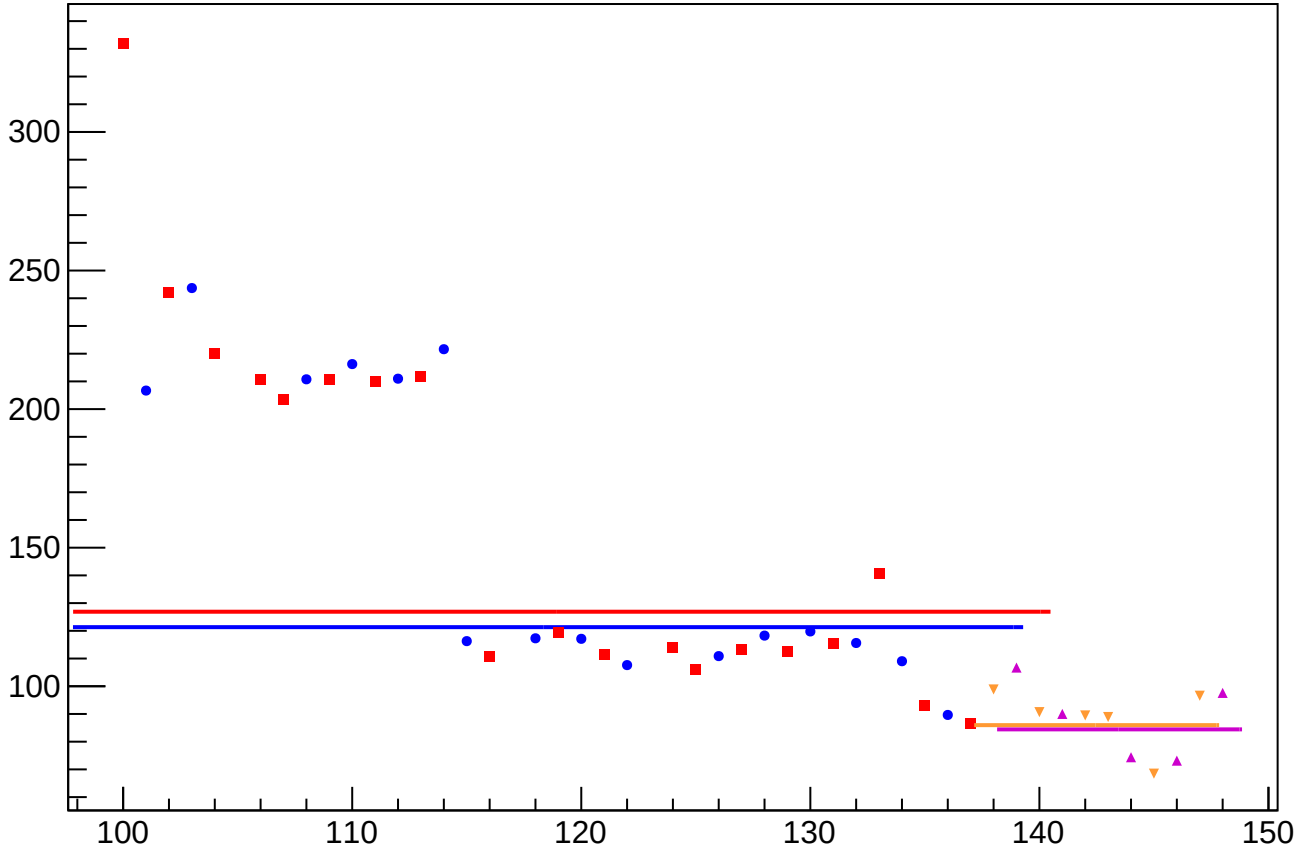
Left In: -80.428+/-41.252 χ^2/NDF:4.2/4

+ sign 92.871+/-31.135 χ^2/NDF: 17.4/21

All: 10.169+/-22.194 χ^2/NDF: 52.1/45

- sign -75.265+/-31.646 χ^2/NDF: 20.3/23

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

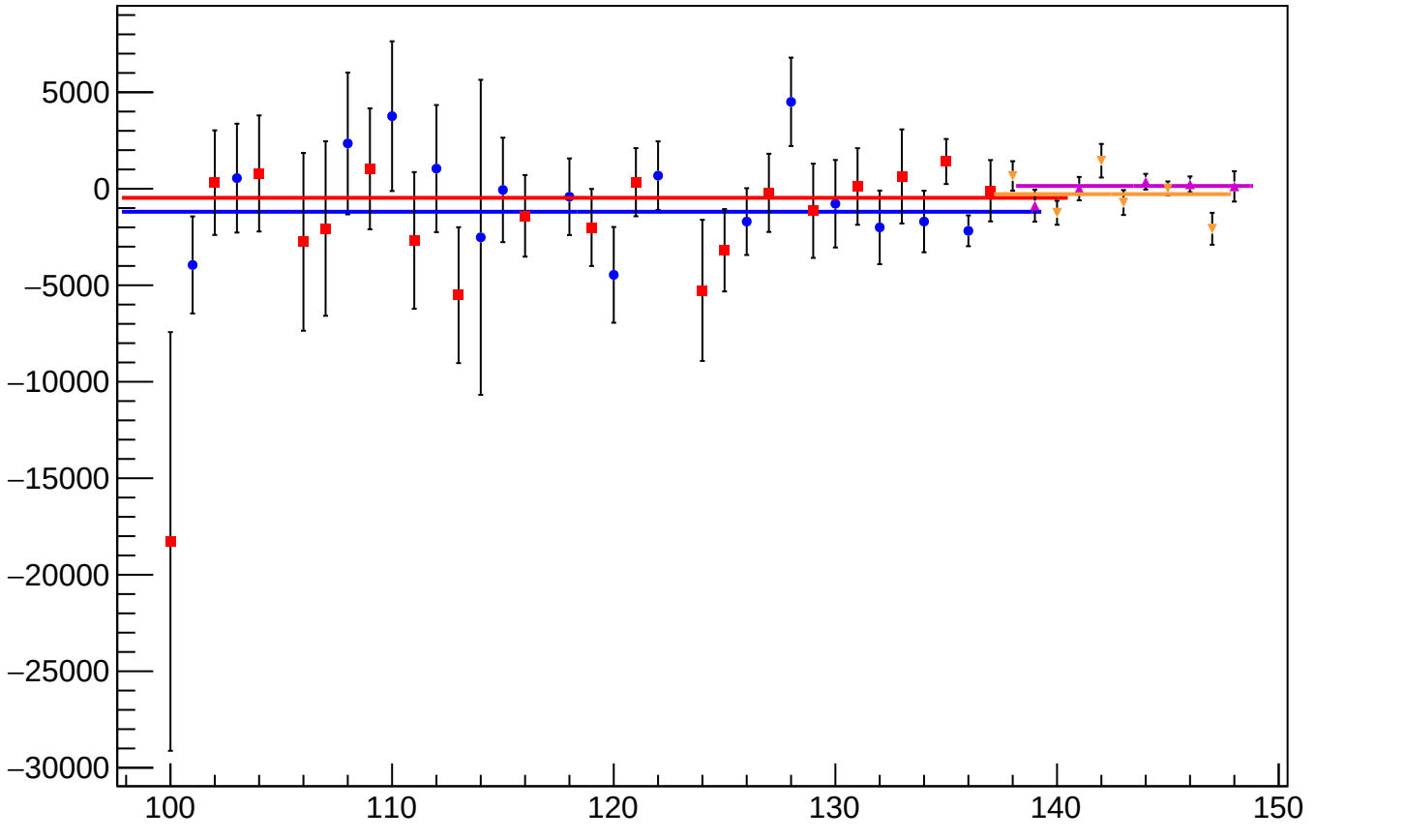
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 101.075+/-0.022 χ^2/NDF: 2073191.7/21

All: 101.486+/-0.016 χ^2/NDF: 4594500.6/45

- sign 101.911+/-0.022 χ^2/NDF: 2520600.5/23



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

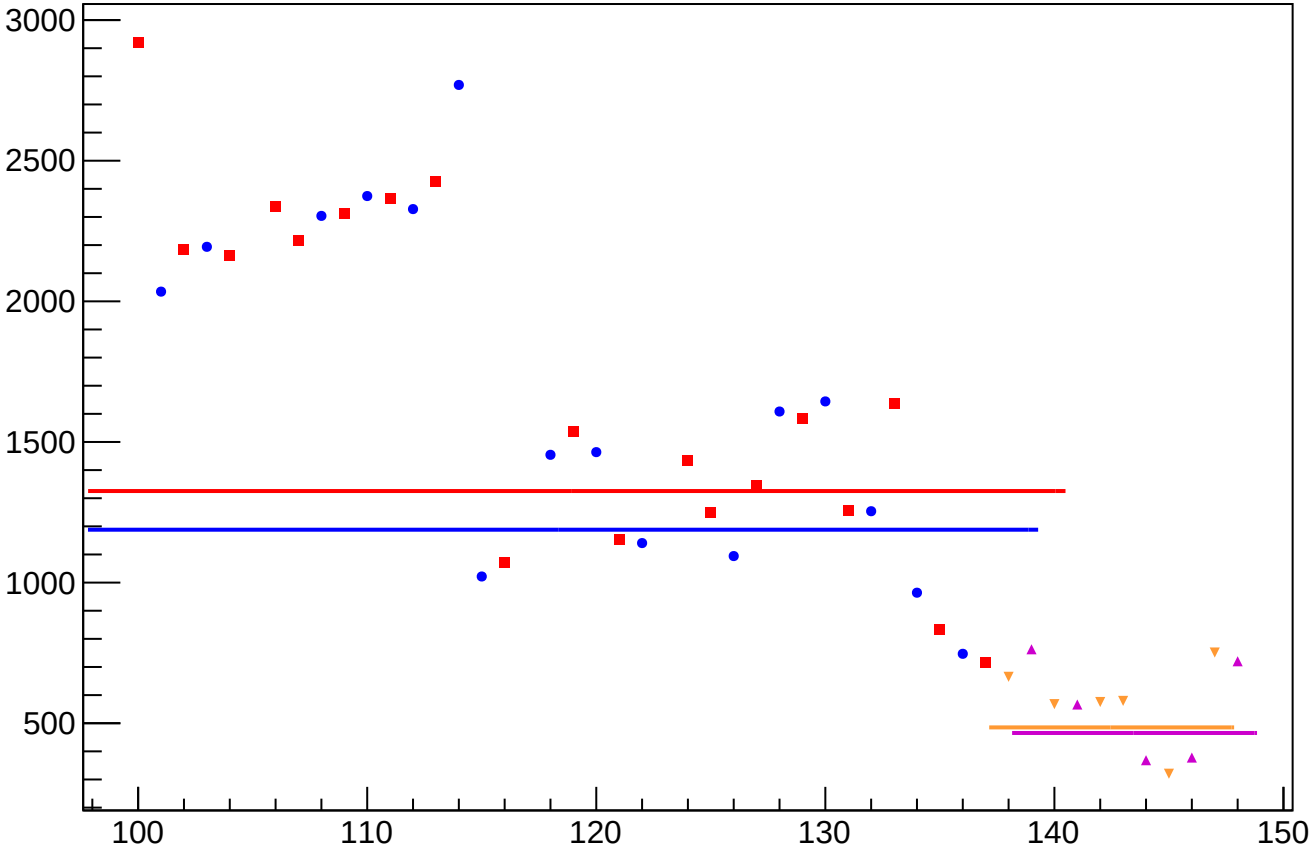
Left In: 143.852+/-236.147 χ^2/NDF:1.9/4

+ sign -464.318+/-215.871 χ^2/NDF: 32.5/21

All: -211.499+/-152.395 χ^2/NDF: 51.7/45

- sign 39.679+/-215.169 χ^2/NDF: 16.4/23

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

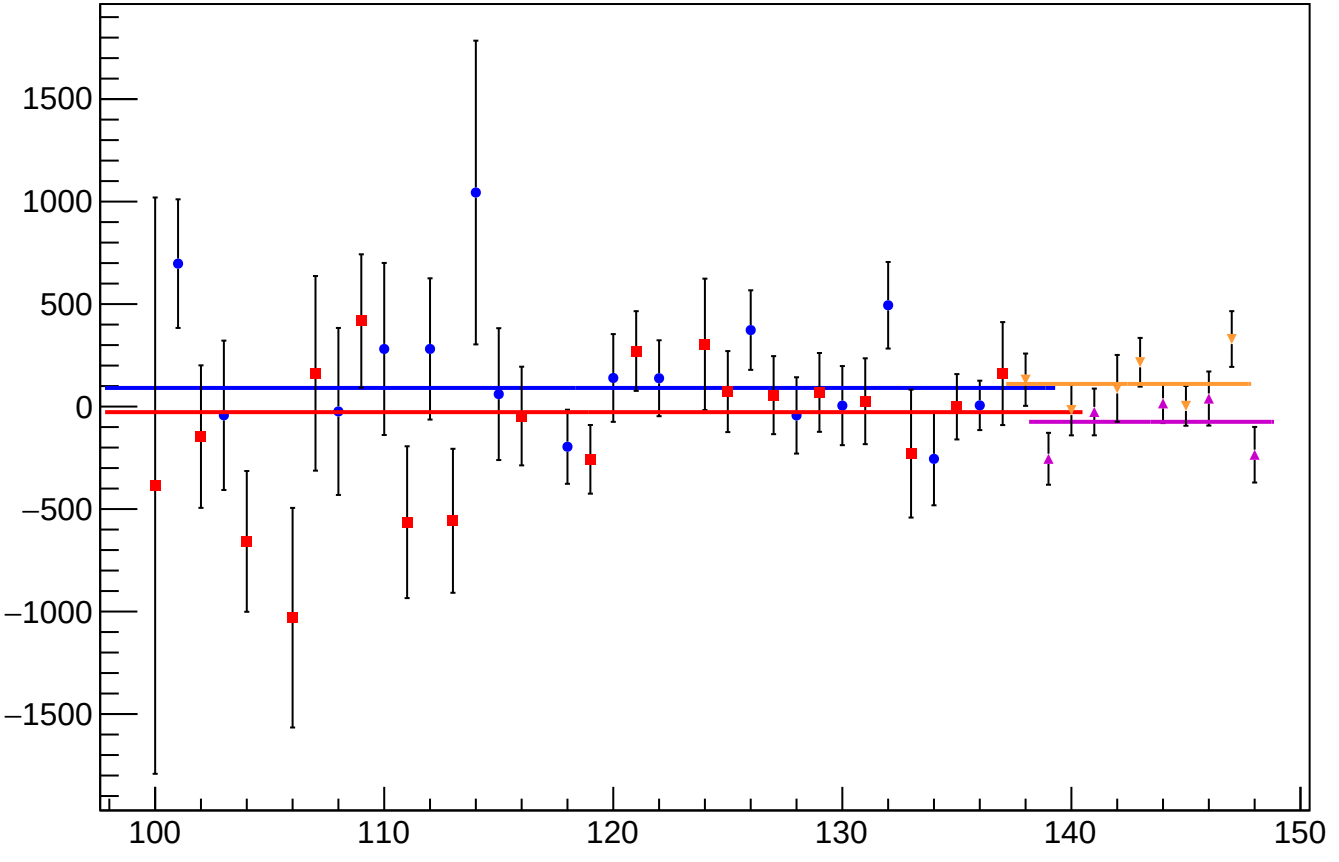
Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

+ sign 627.992+/-0.153 χ^2/NDF: 6308438.8/21

All: 619.666+/-0.108 χ^2/NDF: 13470074.8/45

- sign 611.394+/-0.152 χ^2/NDF: 7155704.7/23

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

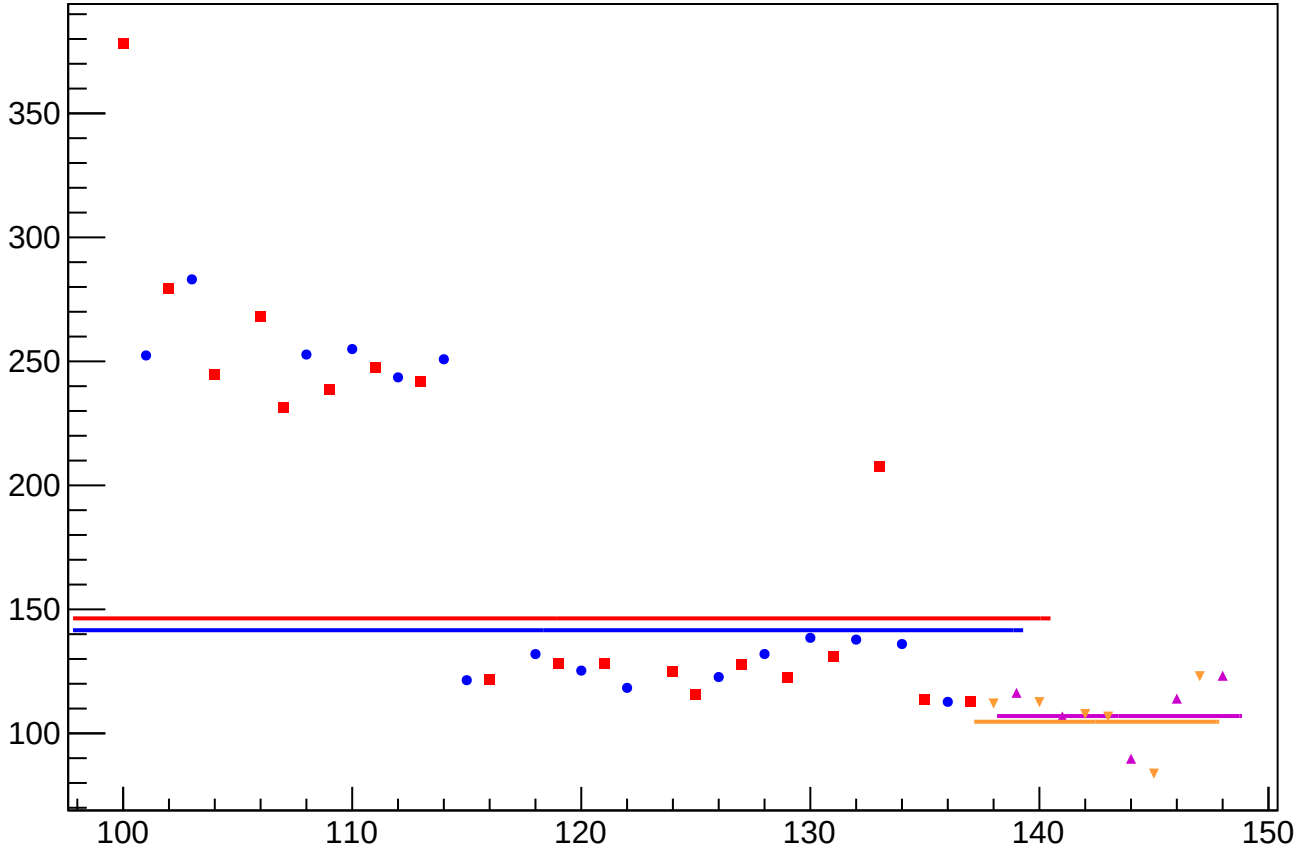
Left In: -74.400+/-52.758 χ^2/NDF:5.2/4

+ sign 101.714+/-37.271 χ^2/NDF: 23.9/21

All: 27.498+/-26.853 χ^2/NDF: 58.3/45

- sign -52.614+/-38.723 χ^2/NDF: 26.1/23

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

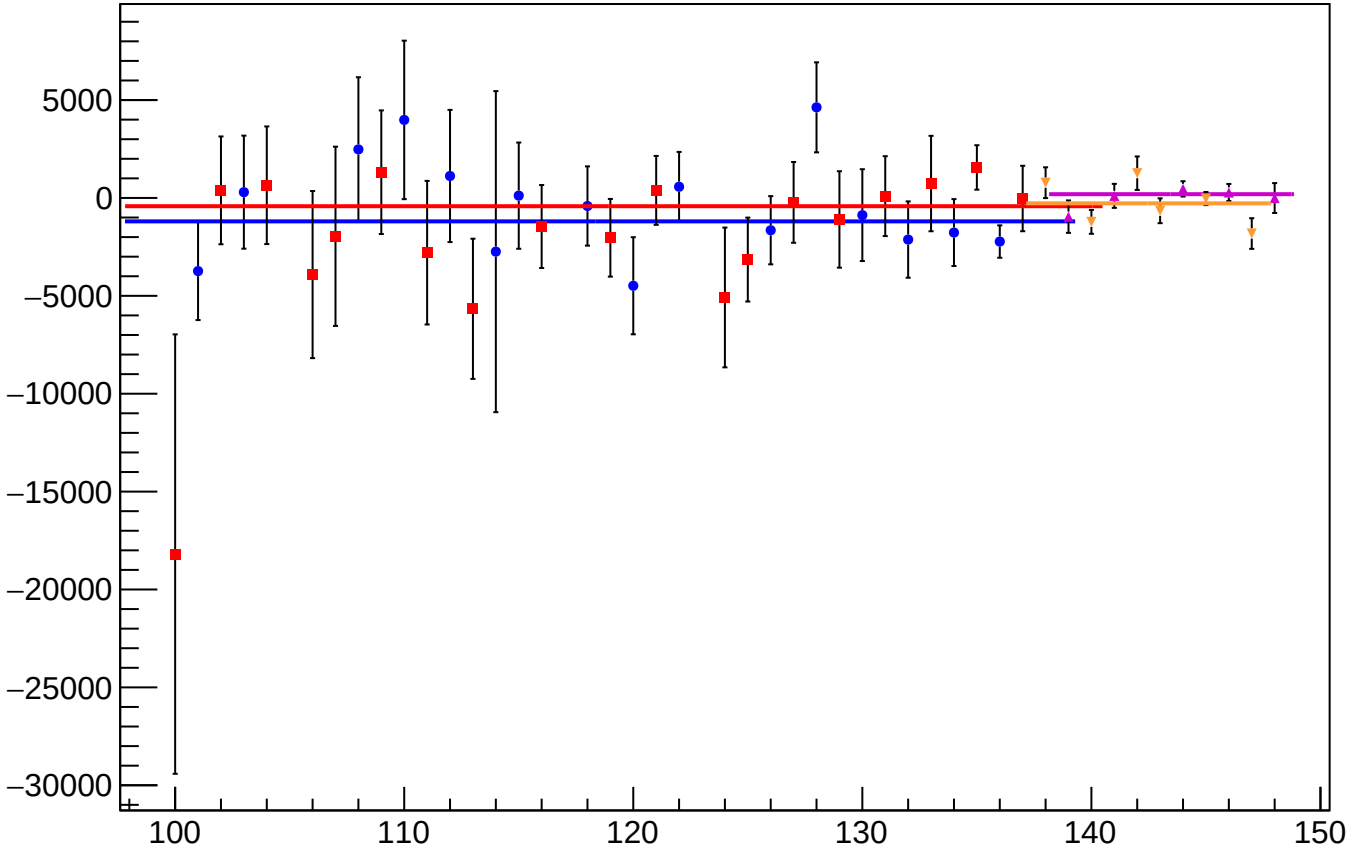
Left In: 106.985+/-0.037 χ^2/NDF:109316.5/4

\+ sign 121.292+/-0.026 χ^2/NDF: 1893132.5/21

All: 123.148+/-0.019 χ^2/NDF: 4040504.9/45

\- sign 125.152+/-0.027 χ^2/NDF: 2137055.8/23

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

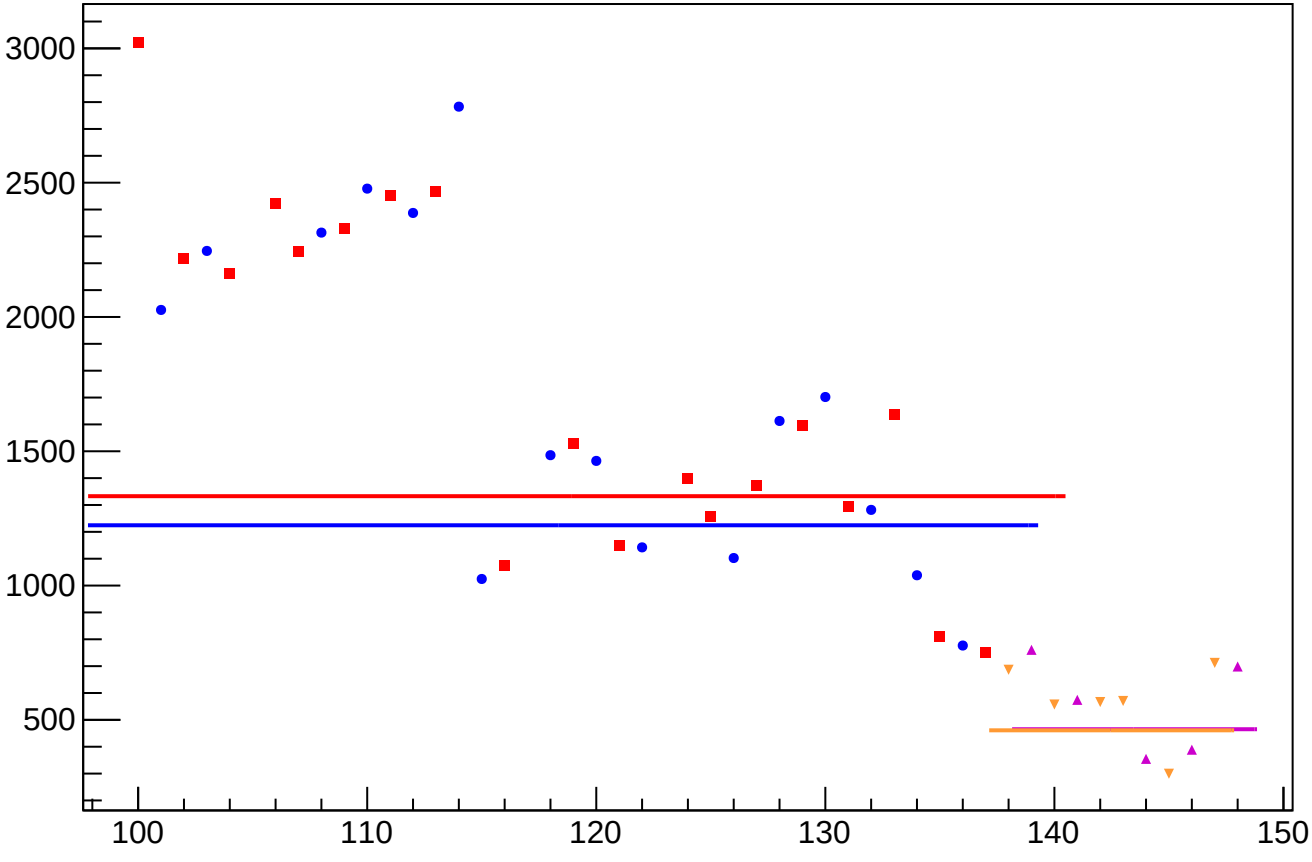
Left In: 191.785+/-237.967 χ^2/NDF:2.5/4

+ sign -442.214+/-208.944 χ^2/NDF: 31.1/21

All: -187.312+/-150.399 χ^2/NDF: 52.1/45

- sign 86.760+/-216.659 χ^2/NDF: 17.9/23

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

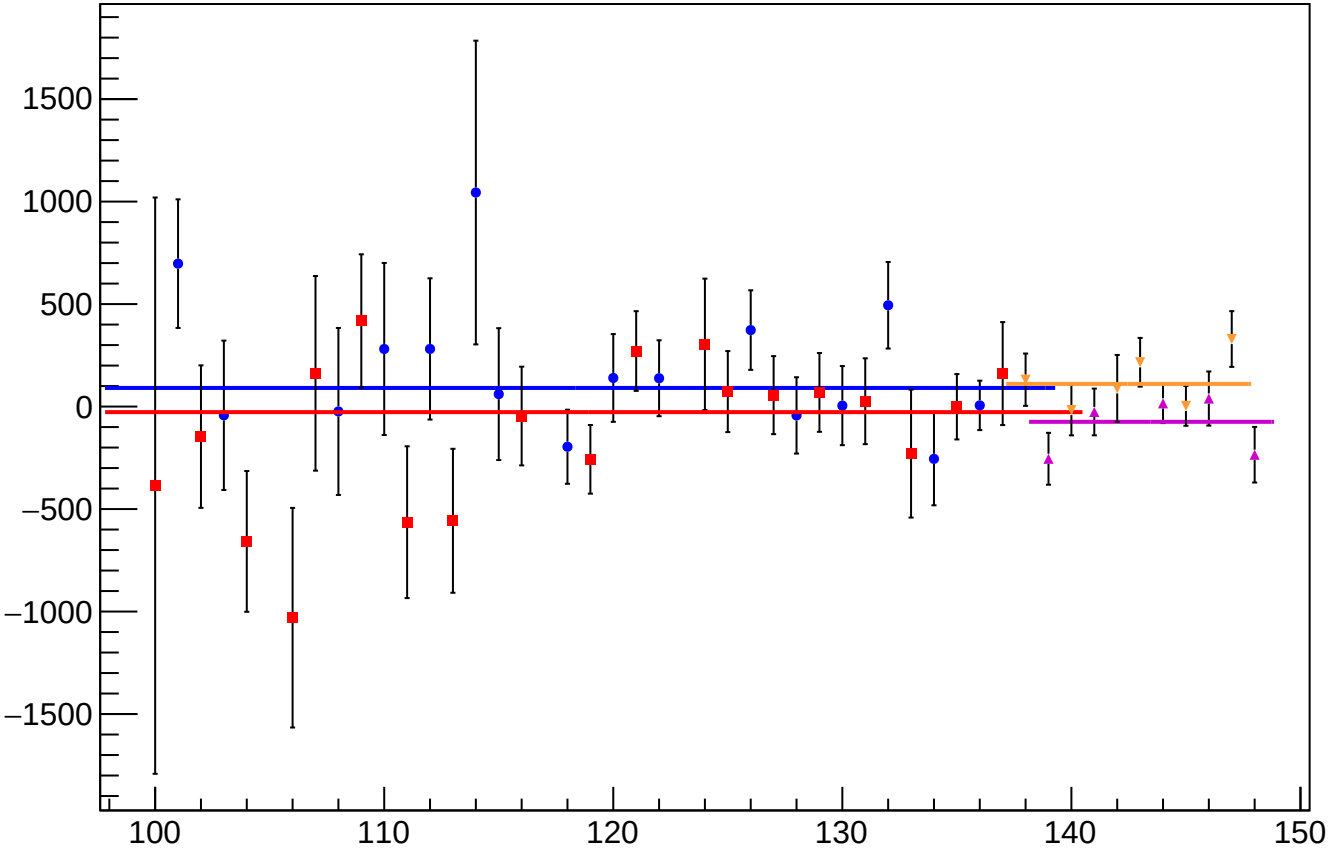
Left In: 465.151+/-0.168 χ^2/NDF:726767.8/4

+ sign 599.106+/-0.148 χ^2/NDF: 6891517.7/21

All: 606.078+/-0.106 χ^2/NDF: 14165870.2/45

- sign 613.574+/-0.153 χ^2/NDF: 7269731.8/23

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

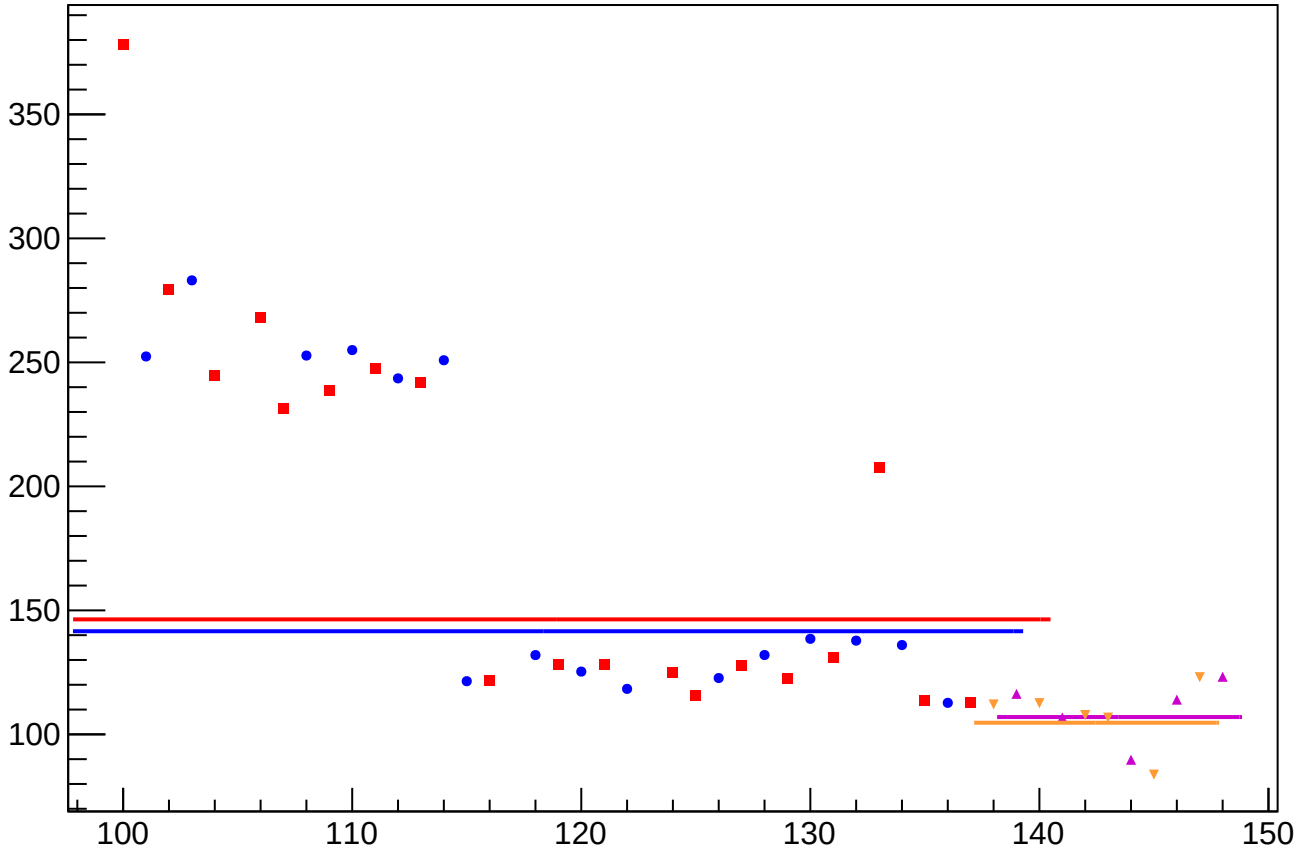
Left In: -74.399+/-52.758 χ^2/NDF:5.2/4

+ sign 101.714+/-37.271 χ^2/NDF: 23.9/21

All: 27.499+/-26.853 χ^2/NDF: 58.3/45

- sign -52.614+/-38.723 χ^2/NDF: 26.1/23

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

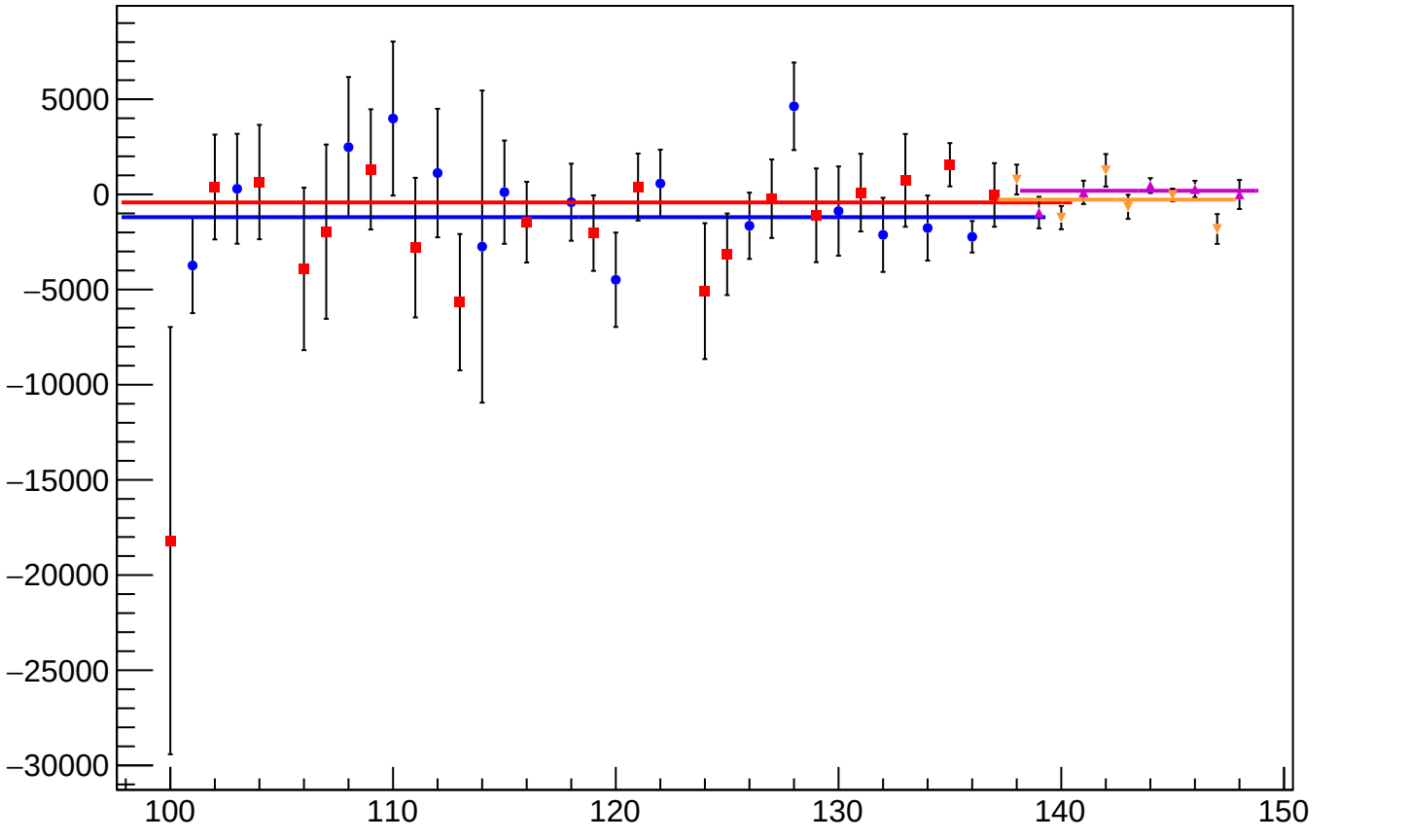
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 106.986+/-0.037 χ^2/NDF:109313.5/4

+ sign 121.292+/-0.026 χ^2/NDF: 1893075.8/21

All: 123.148+/-0.019 χ^2/NDF: 4040407.3/45

- sign 125.152+/-0.027 χ^2/NDF: 2137014.4/23



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -275.695+/-230.853 χ^2/NDF:12.2/5

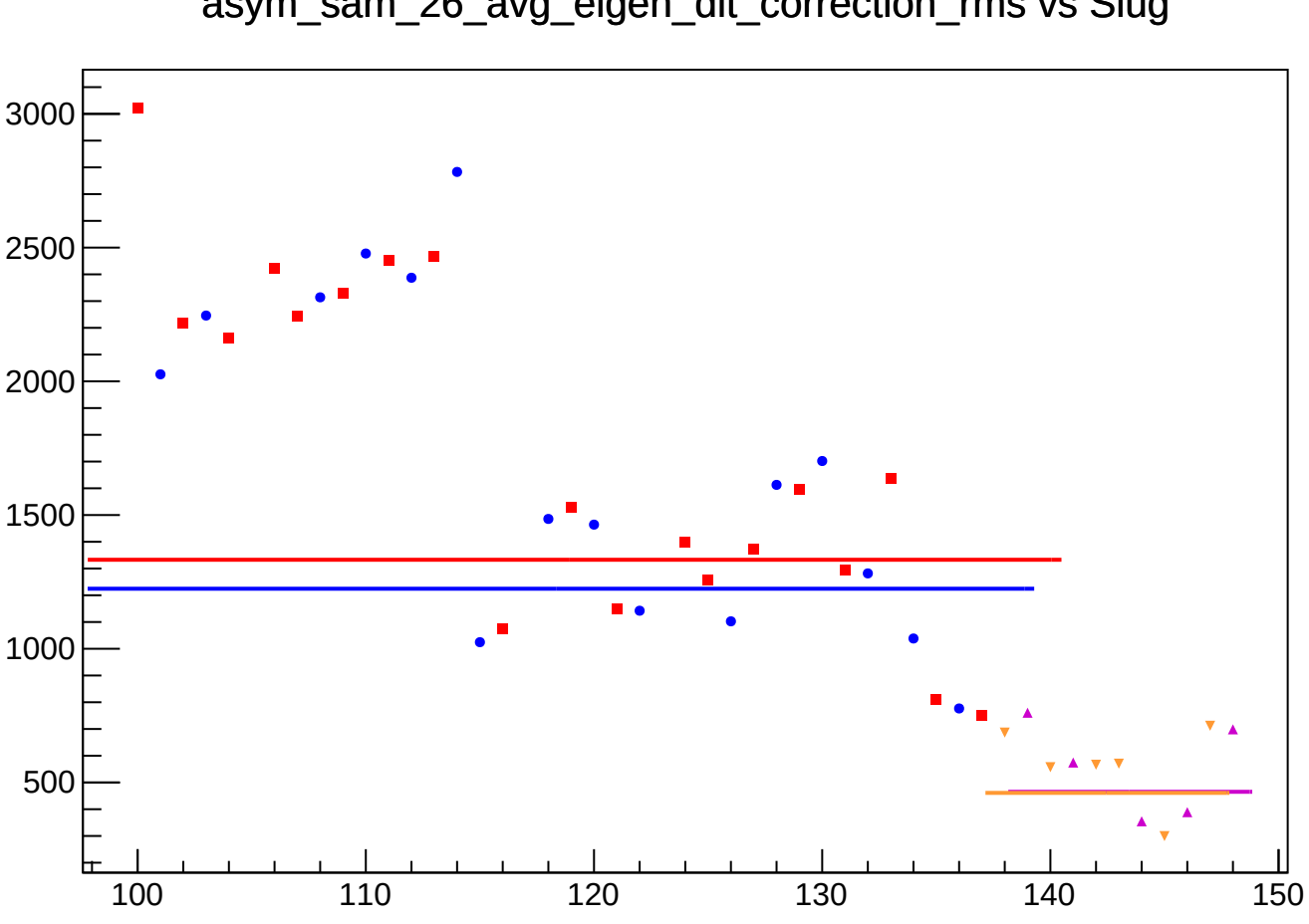
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 191.786+/-237.966 χ^2/NDF:2.5/4

+ sign -442.212+/-208.944 χ^2/NDF: 31.1/21

All: -187.311+/-150.399 χ^2/NDF: 52.1/45

- sign 86.760+/-216.658 χ^2/NDF: 17.9/23



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

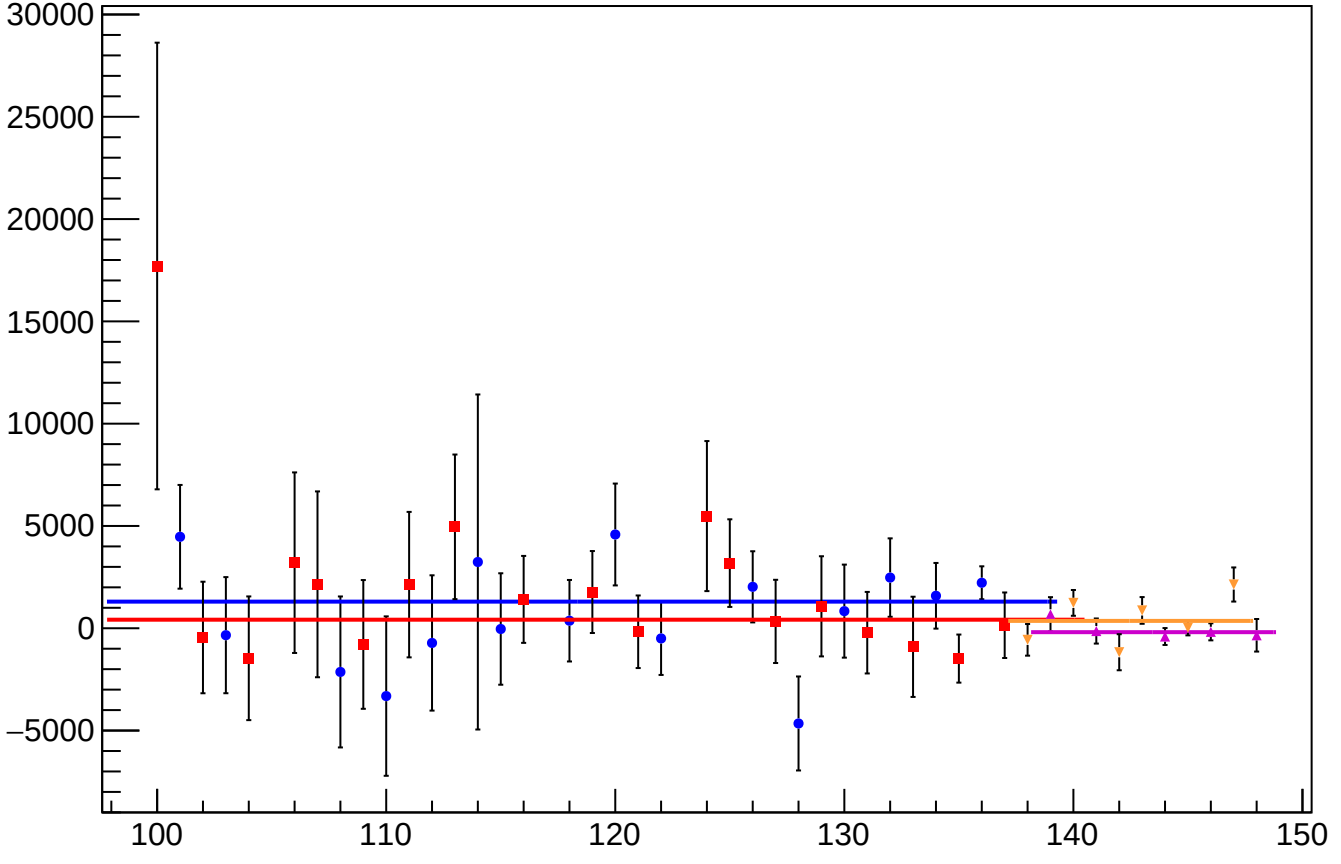
Left In: 465.150+/-0.168 χ^2/NDF:726772.7/4

+ sign 599.103+/-0.148 χ^2/NDF: 6891556.4/21

All: 606.076+/-0.106 χ^2/NDF: 14165918.1/45

- sign 613.572+/-0.153 χ^2/NDF: 7269740.0/23

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

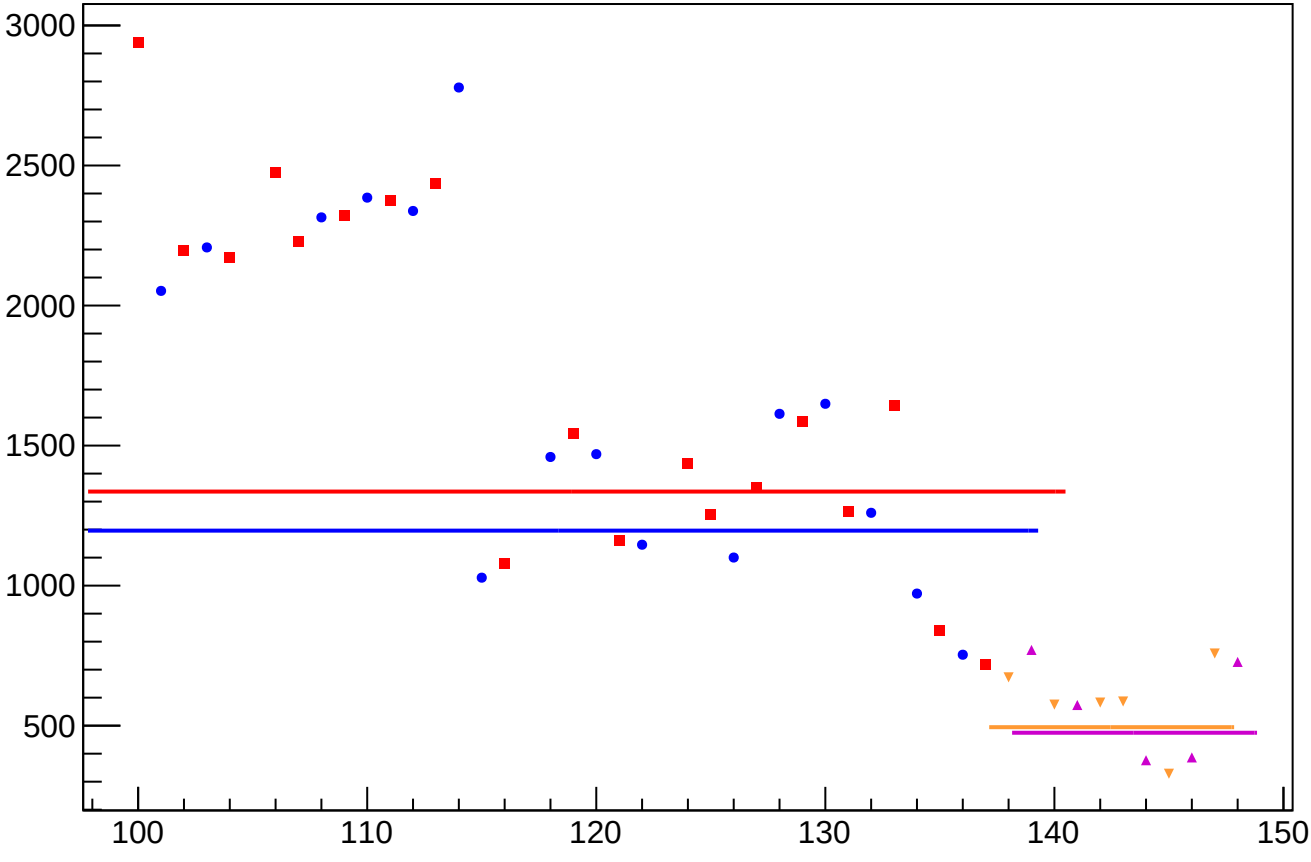
Left In: -191.422+/-240.475 χ^2/NDF:1.4/4

+ sign 554.443+/-219.099 χ^2/NDF: 31.9/21

All: 233.724+/-154.748 χ^2/NDF: 51.7/45

- sign -85.524+/-218.596 χ^2/NDF: 15.6/23

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

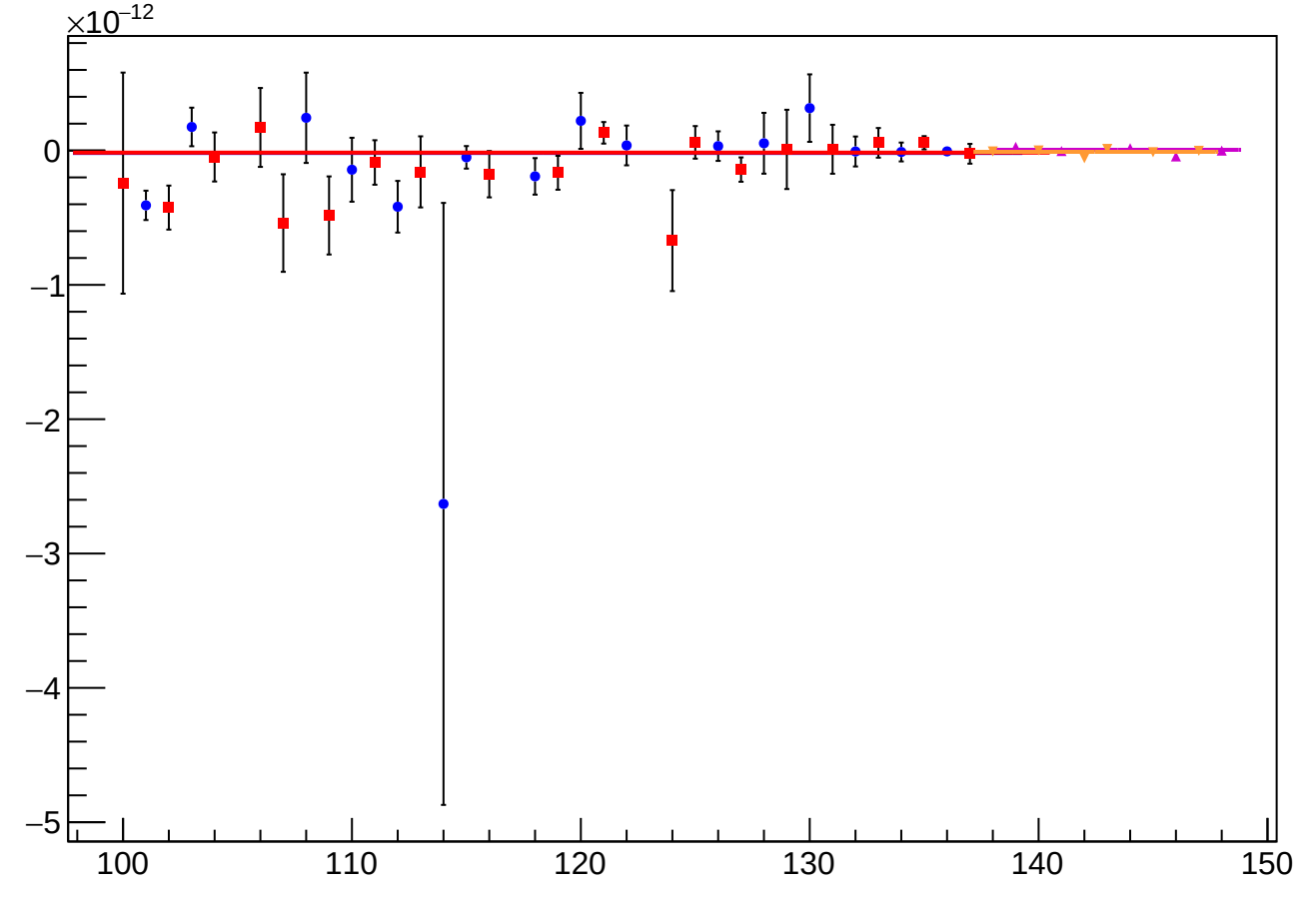
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 474.721+/-0.170 χ^2/NDF:705419.8/4

+ sign 639.597+/-0.155 χ^2/NDF: 6194020.5/21

All: 631.921+/-0.109 χ^2/NDF: 13309842.7/45

- sign 624.281+/-0.155 χ^2/NDF: 7110924.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/5

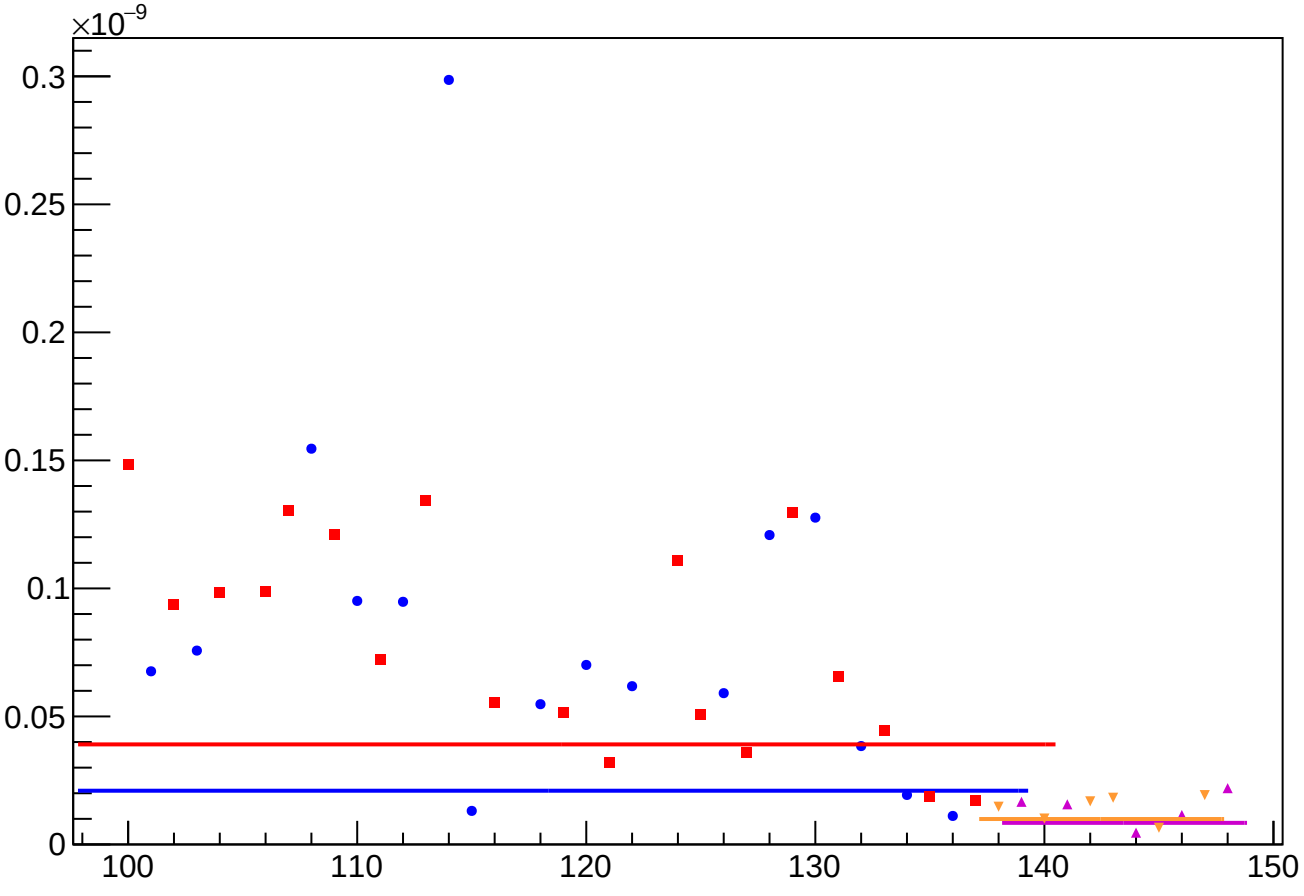
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/21

All: -0.000+/-0.000 χ^2/NDF: 67.6/45

- sign 0.000+/-0.000 χ^2/NDF: 35.8/23



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

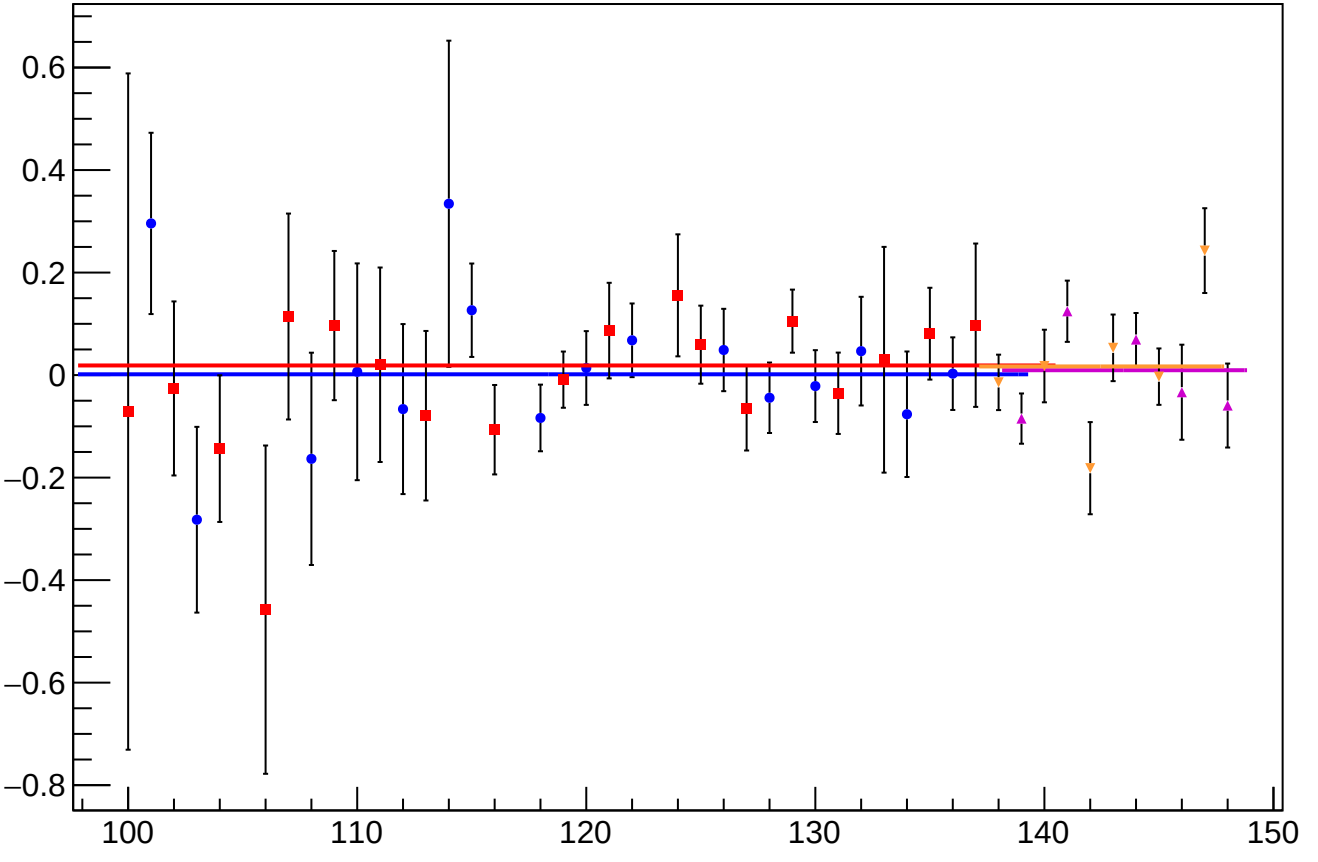
Left In: 0.000+/-0.000 χ^2/NDF:1008065.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 4674910.1/21

All: 0.000+/-0.000 χ^2/NDF: 10080740.6/45

- sign 0.000+/-0.000 χ^2/NDF: 5379755.1/23

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

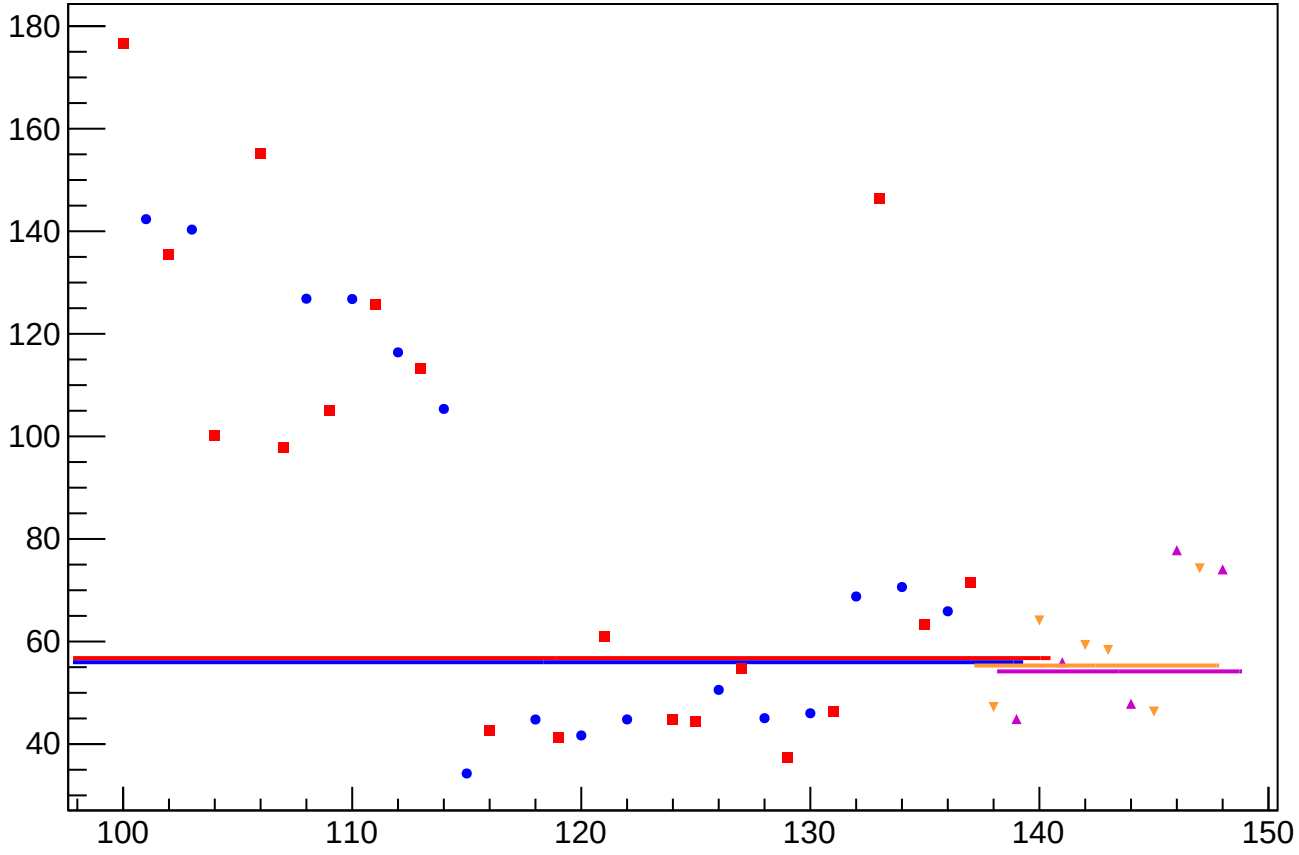
Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.011+/-0.013 χ^2/NDF: 49.3/45

- sign 0.015+/-0.018 χ^2/NDF: 22.8/23

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

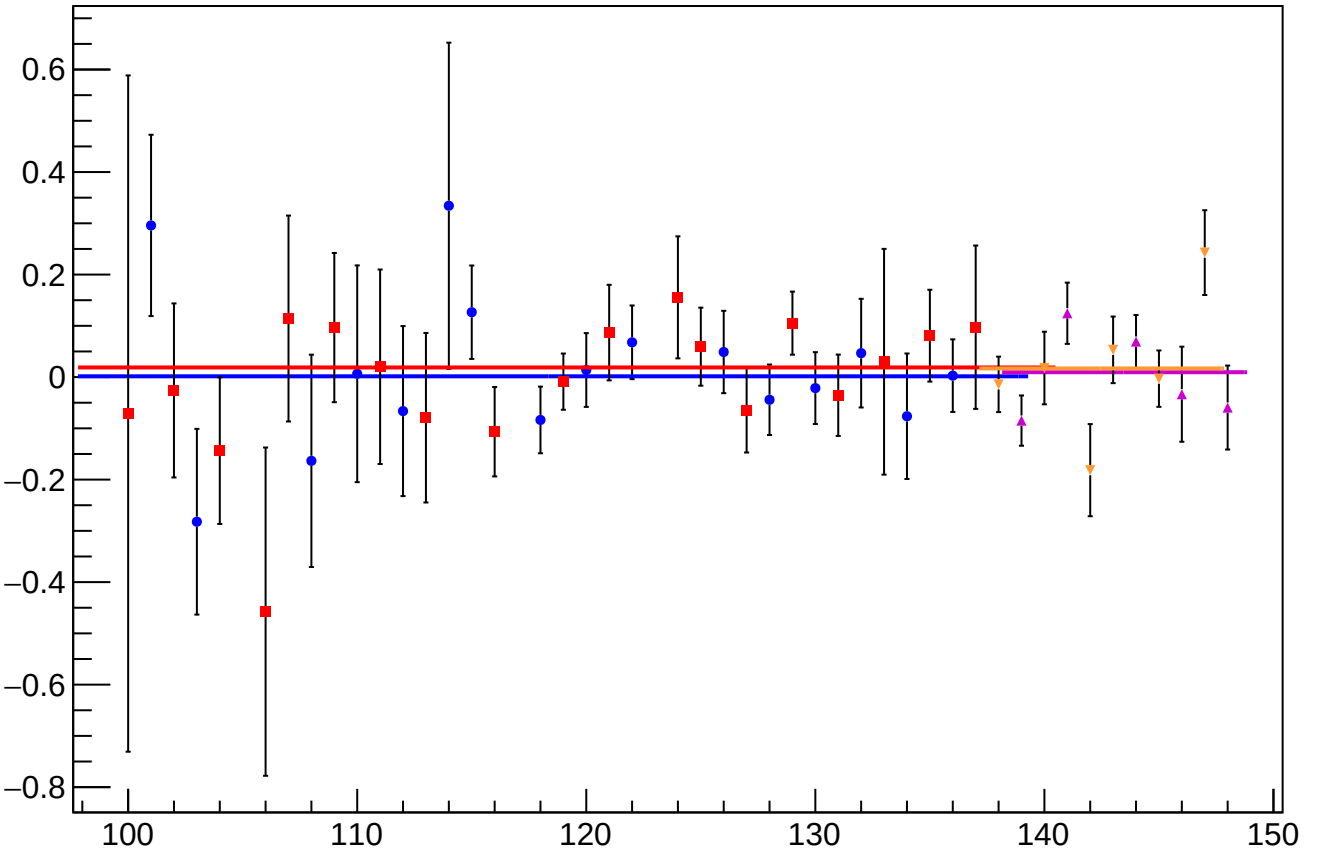
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

+ sign 55.690+/-0.012 χ^2/NDF: 2422699.2/21

All: 55.679+/-0.009 χ^2/NDF: 5337366.7/45

- sign 55.669+/-0.013 χ^2/NDF: 2914666.0/23



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

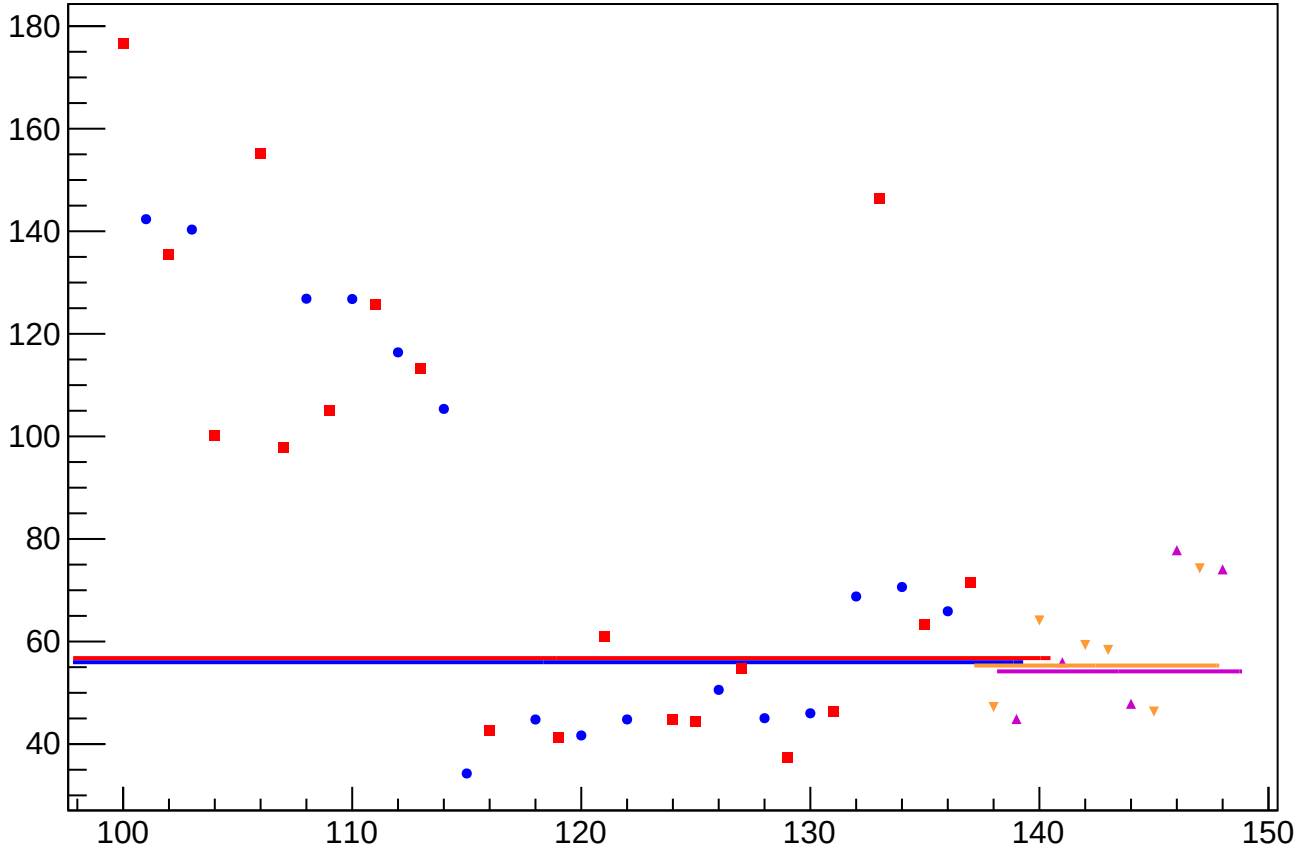
Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.011+/-0.013 χ^2/NDF: 49.3/45

- sign 0.015+/-0.018 χ^2/NDF: 22.8/23

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

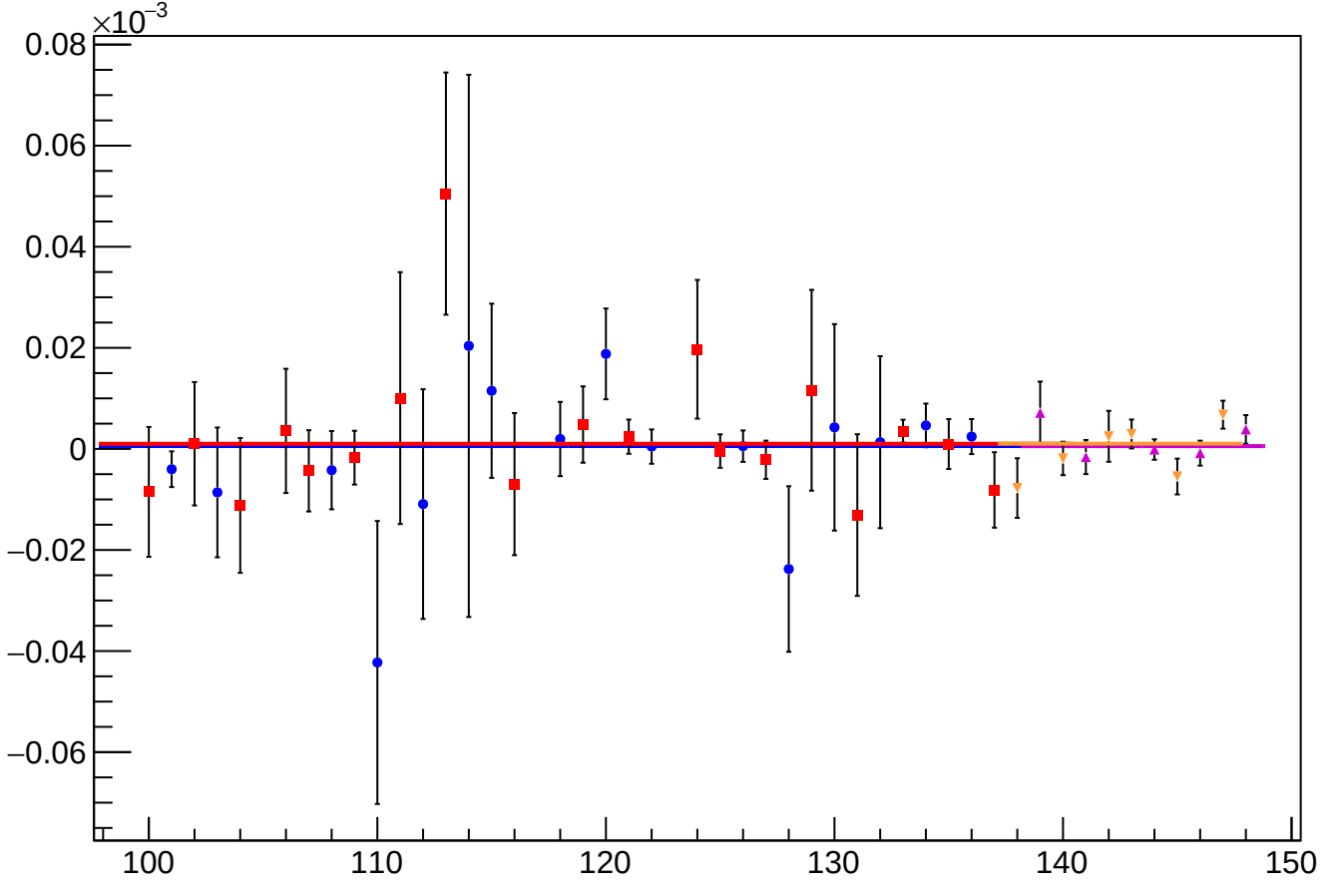
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

+ sign 55.690+/-0.012 χ^2/NDF: 2422699.2/21

All: 55.679+/-0.009 χ^2/NDF: 5337366.7/45

- sign 55.669+/-0.013 χ^2/NDF: 2914666.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/5

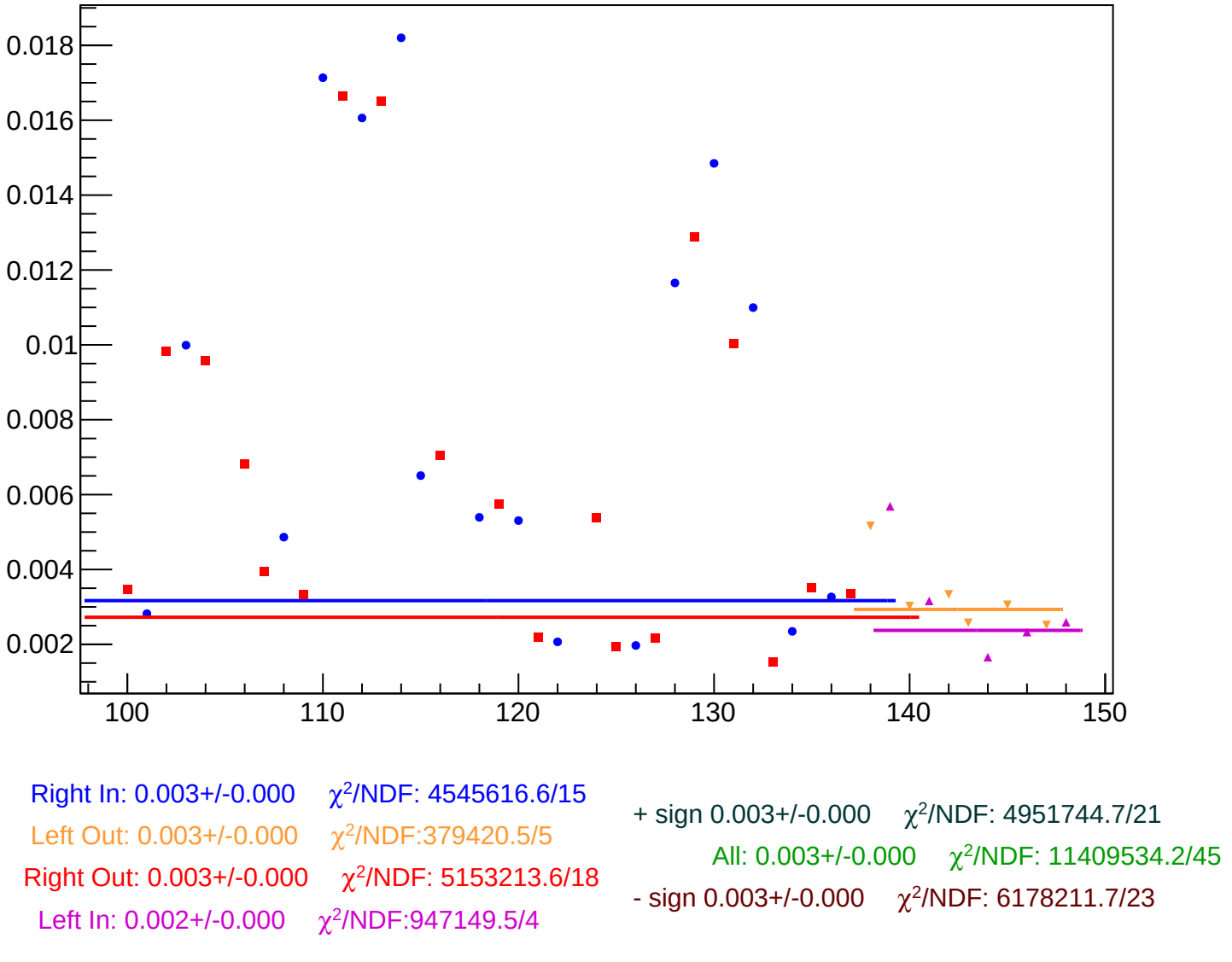
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

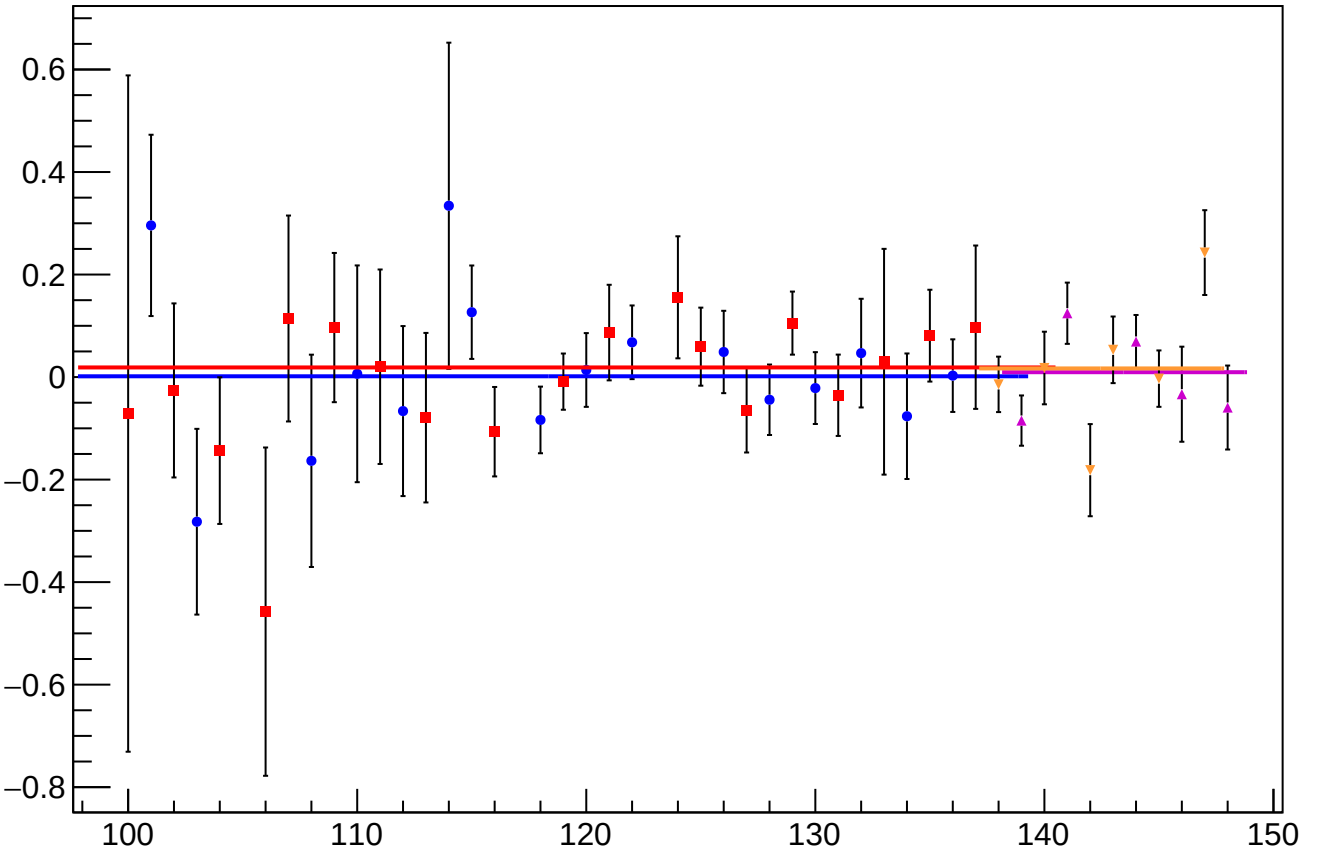
Left In: 0.000+/-0.000 χ^2/NDF:3.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/21

All: 0.000+/-0.000 χ^2/NDF: 41.8/45

- sign 0.000+/-0.000 χ^2/NDF: 17.2/23


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
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:947149.5/4
+ sign 0.003+/-0.000 χ²/NDF: 4951744.7/21
All: 0.003+/-0.000 χ²/NDF: 11409534.2/45
- sign 0.003+/-0.000 χ²/NDF: 6178211.7/23



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

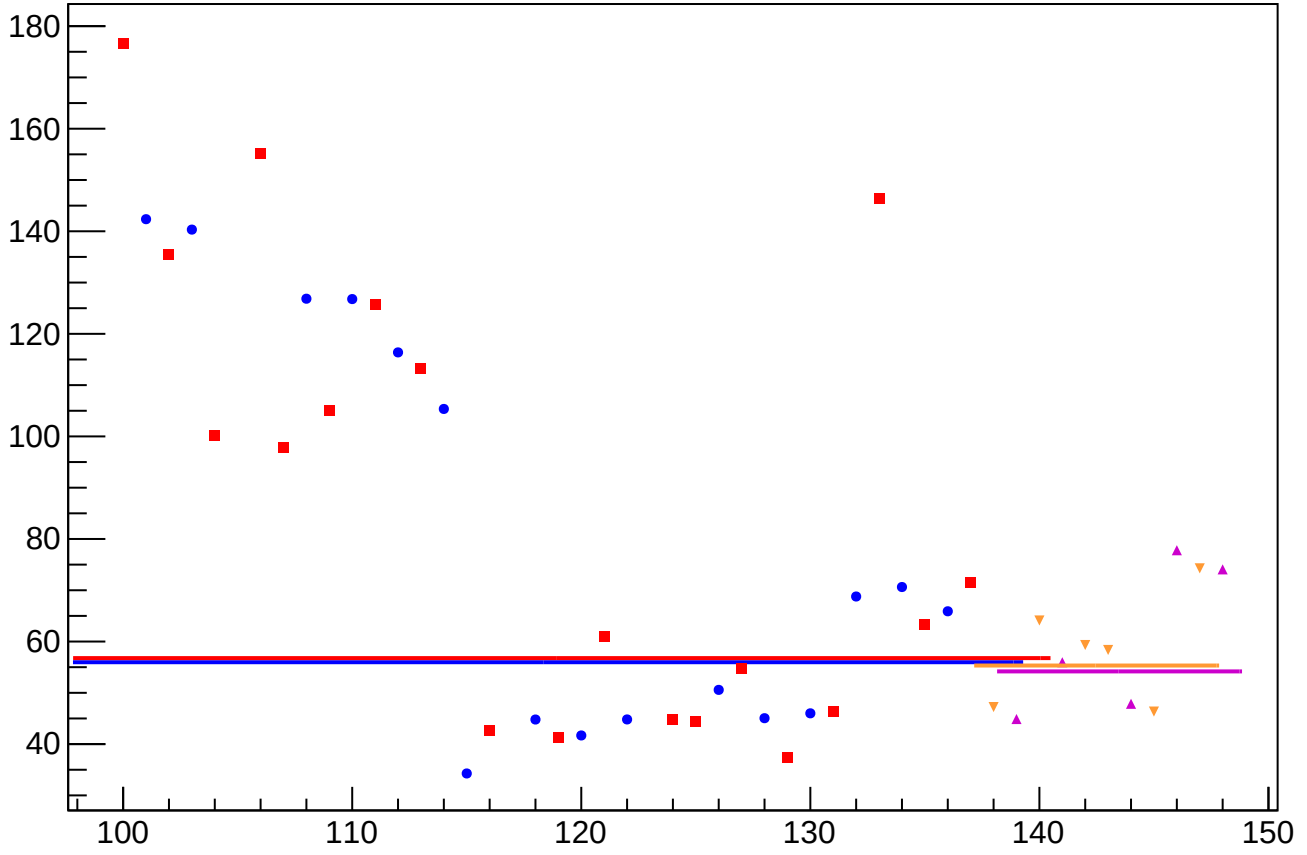
Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.011+/-0.013 χ^2/NDF: 49.3/45

- sign 0.015+/-0.018 χ^2/NDF: 22.8/23

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

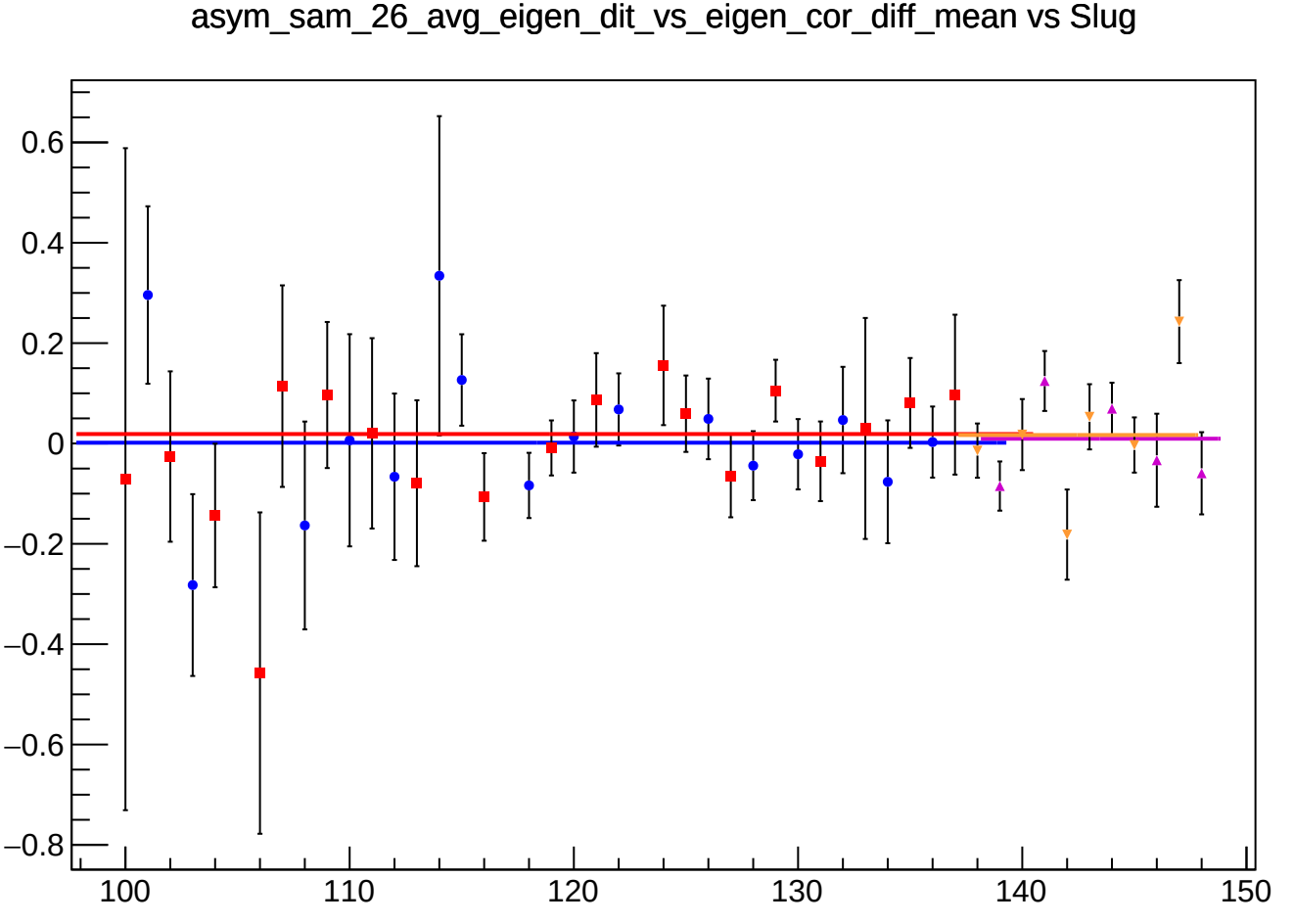
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

+ sign 55.690+/-0.012 χ^2/NDF: 2422619.6/21

All: 55.680+/-0.009 χ^2/NDF: 5337219.0/45

- sign 55.669+/-0.013 χ^2/NDF: 2914597.9/23



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

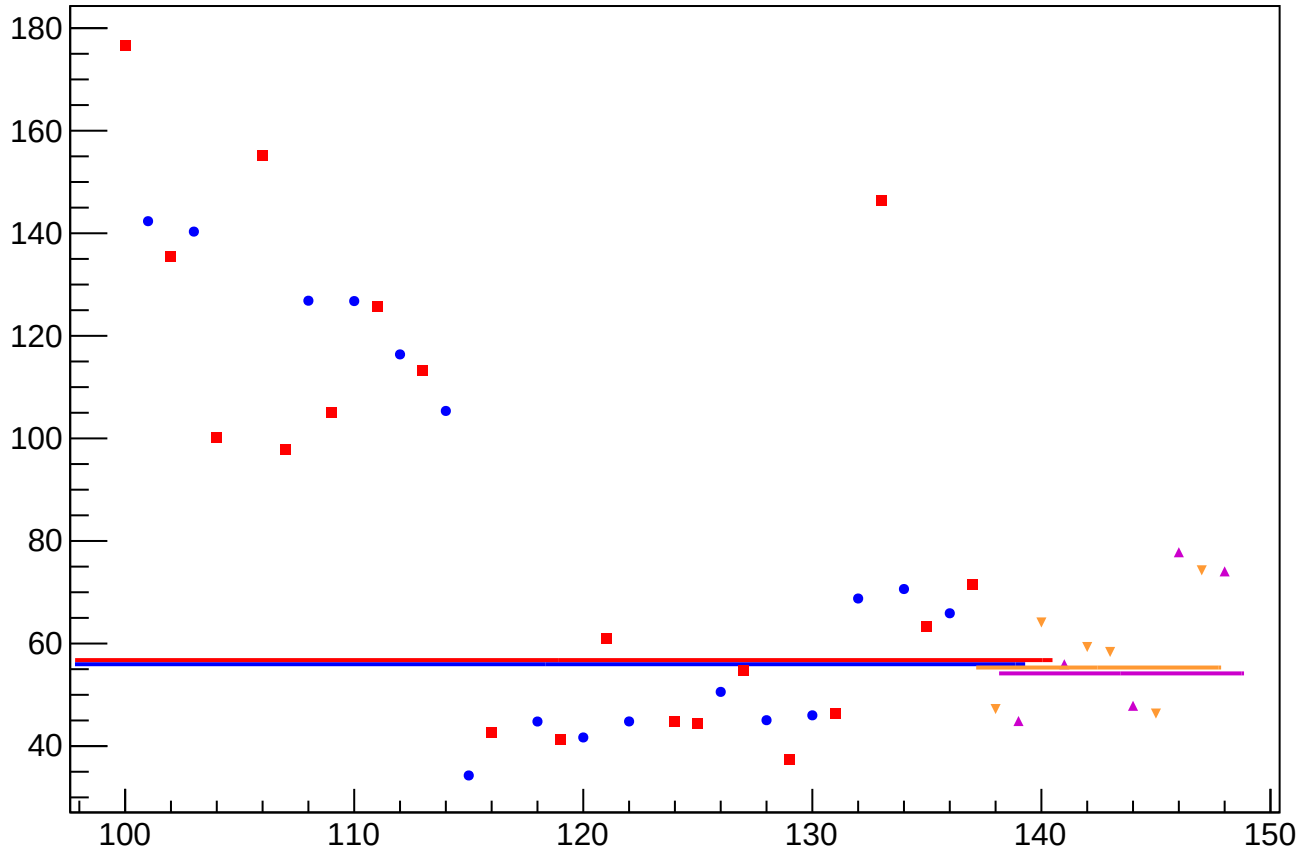
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.018 χ^2/NDF: 26.4/21

All: 0.011+/-0.013 χ^2/NDF: 49.3/45

- sign 0.015+/-0.018 χ^2/NDF: 22.8/23



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

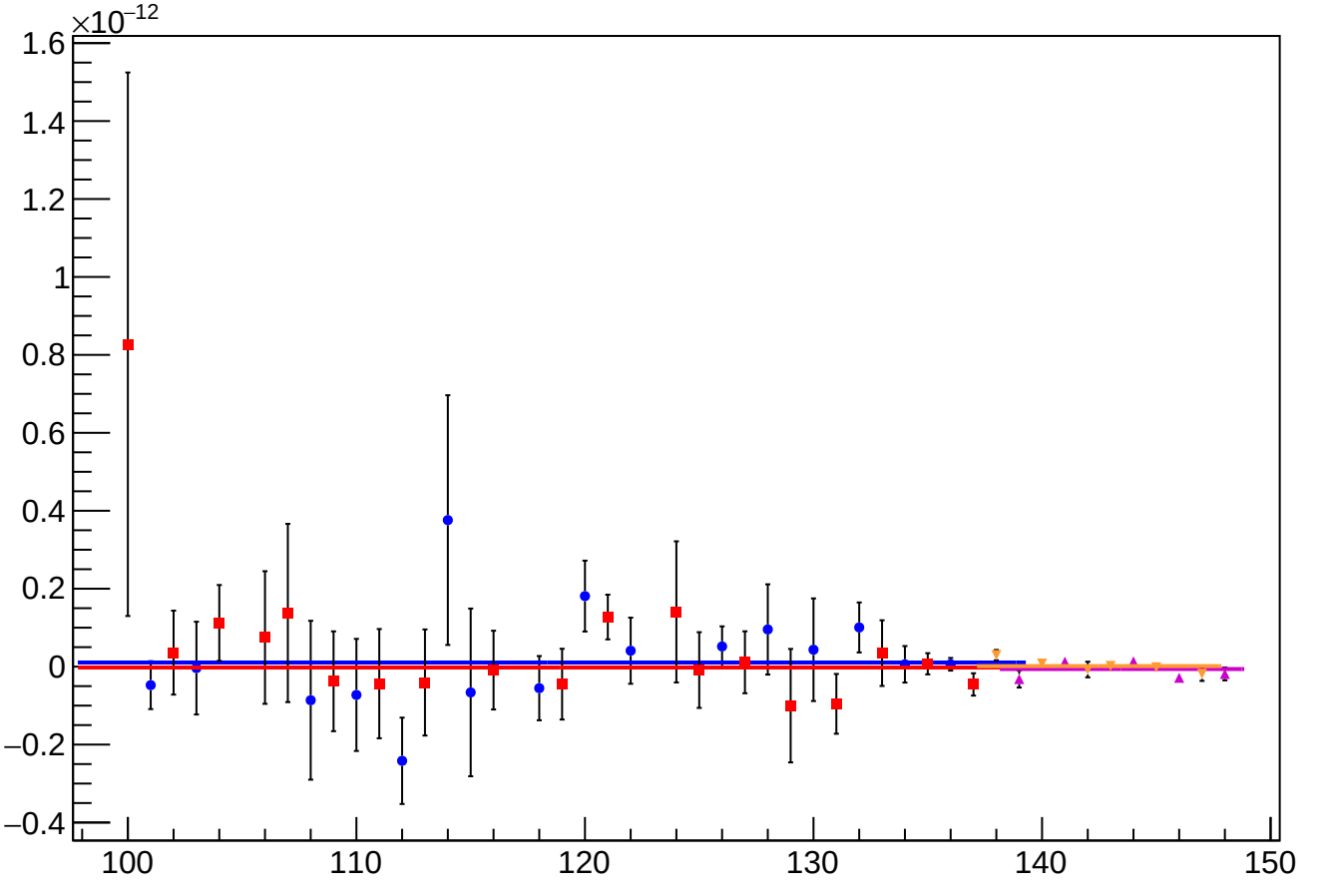
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

+ sign 55.690+/-0.012 χ^2/NDF: 2422619.6/21

All: 55.680+/-0.009 χ^2/NDF: 5337219.0/45

- sign 55.669+/-0.013 χ^2/NDF: 2914597.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

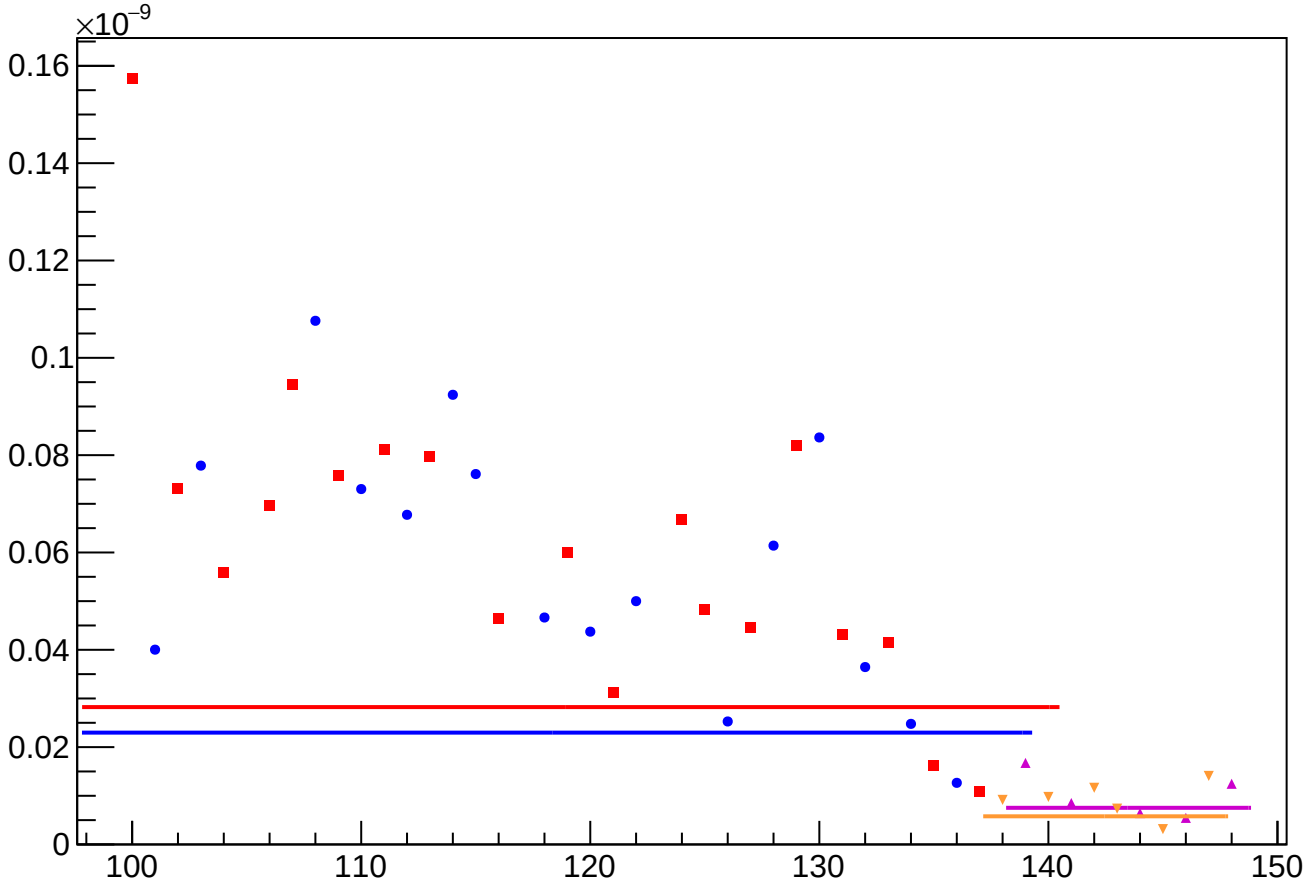
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.7/21

All: -0.000+/-0.000 χ^2/NDF: 56.4/45

- sign -0.000+/-0.000 χ^2/NDF: 31.9/23



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

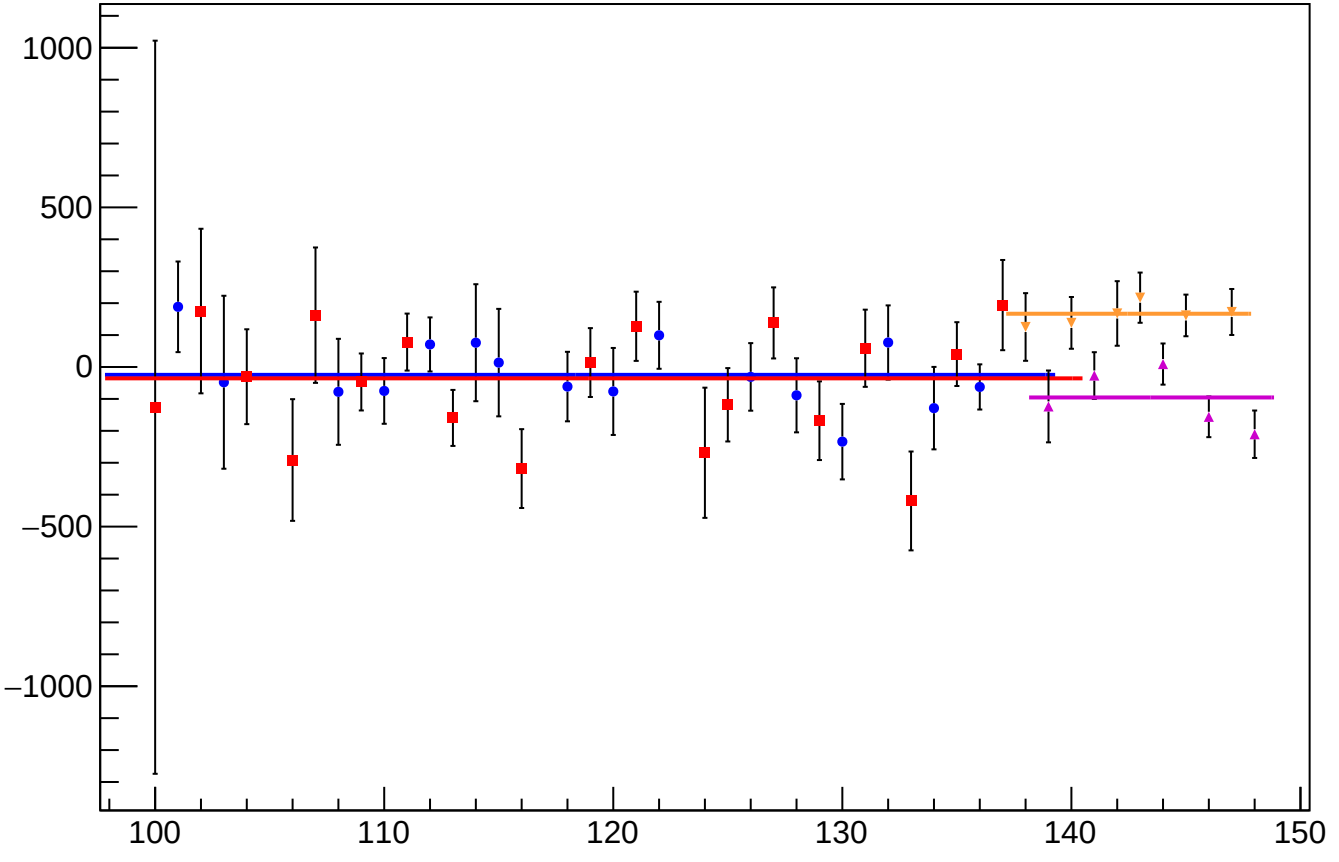
Left In: 0.000+/-0.000 χ^2/NDF:705764.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 8483987.0/21

All: 0.000+/-0.000 χ^2/NDF: 16523628.5/45

- sign 0.000+/-0.000 χ^2/NDF: 7772582.4/23

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

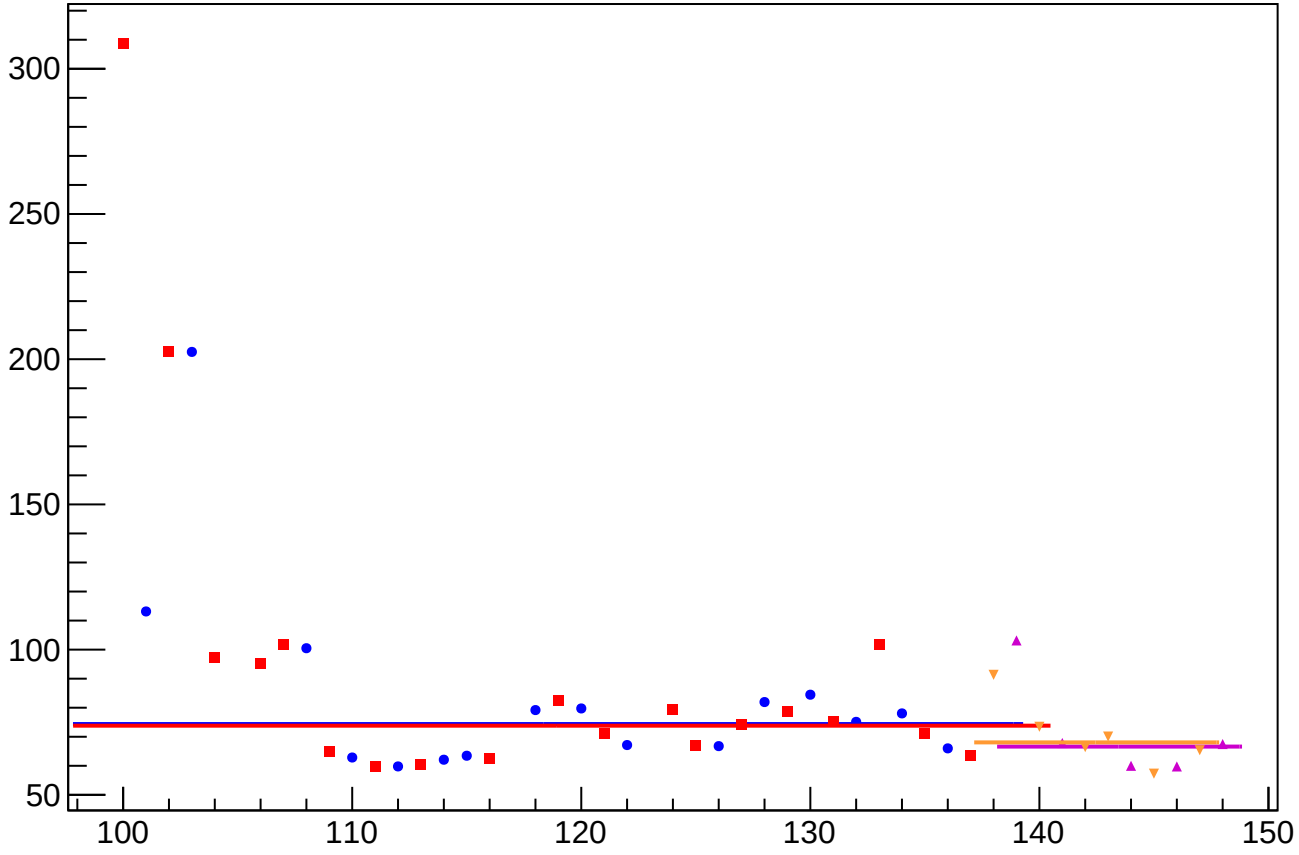
Left In: -95.438+/-32.717 χ^2/NDF:6.9/4

+ sign 59.021+/-21.695 χ^2/NDF: 30.9/21

All: -1.796+/-15.261 χ^2/NDF: 85.3/45

- sign -61.359+/-21.470 χ^2/NDF: 38.9/23

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

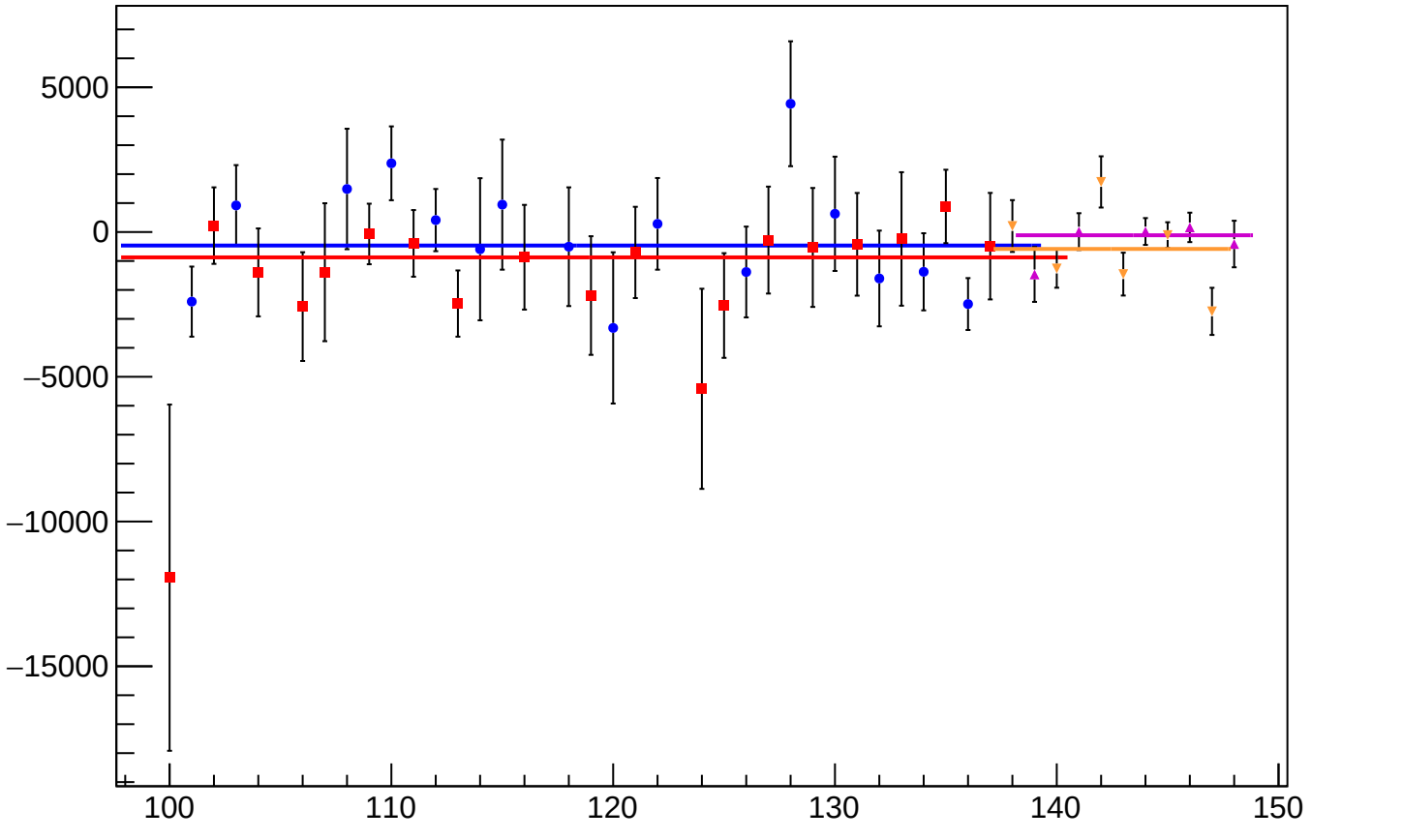
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 71.613+/-0.015 χ^2/NDF: 1033540.4/21

All: 71.159+/-0.011 χ^2/NDF: 2278338.6/45

- sign 70.715+/-0.015 χ^2/NDF: 1243069.5/23



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

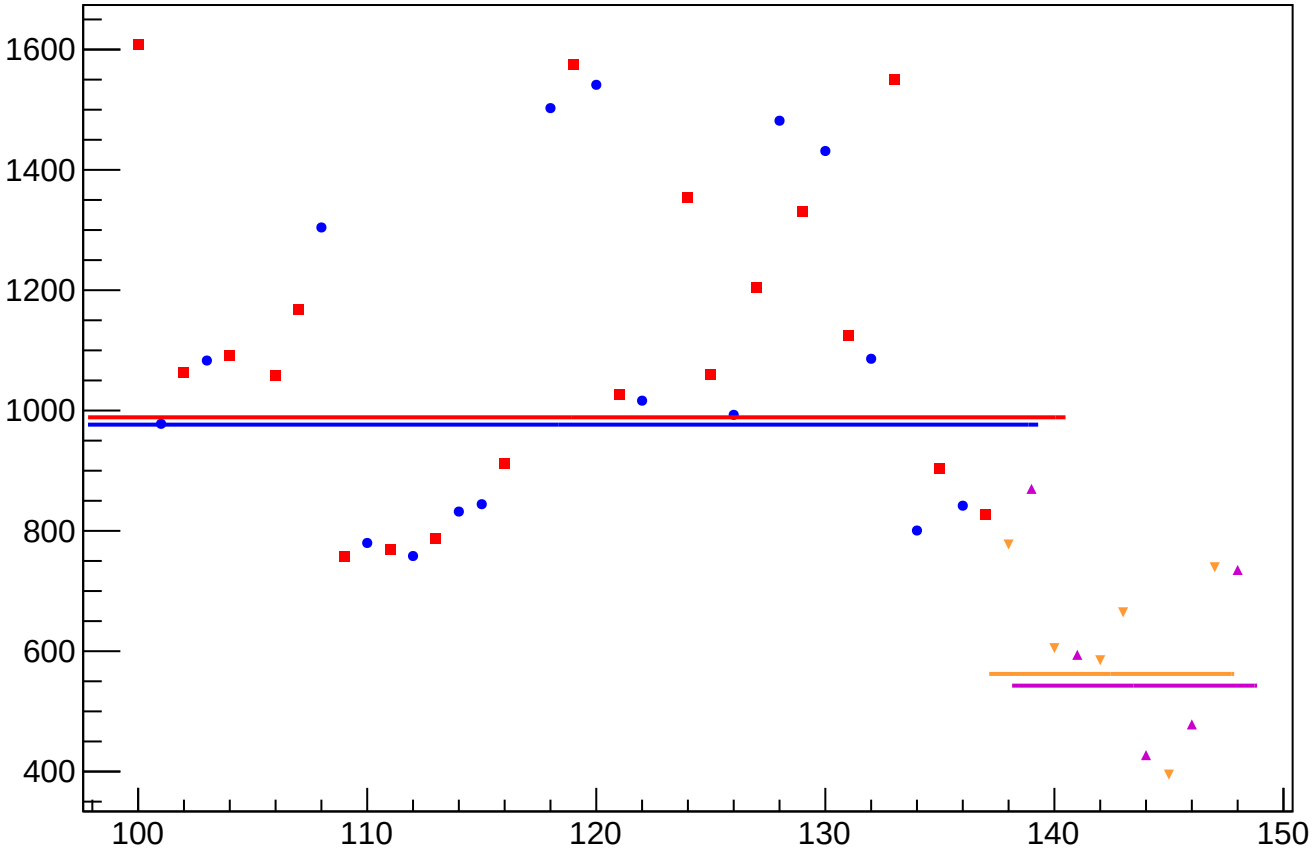
Left In: -111.539+/-270.448 χ^2/NDF:2.6/4

+ sign -543.308+/-221.863 χ^2/NDF: 42.0/21

All: -458.201+/-155.785 χ^2/NDF: 60.7/45

- sign -375.430+/-218.797 χ^2/NDF: 18.4/23

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

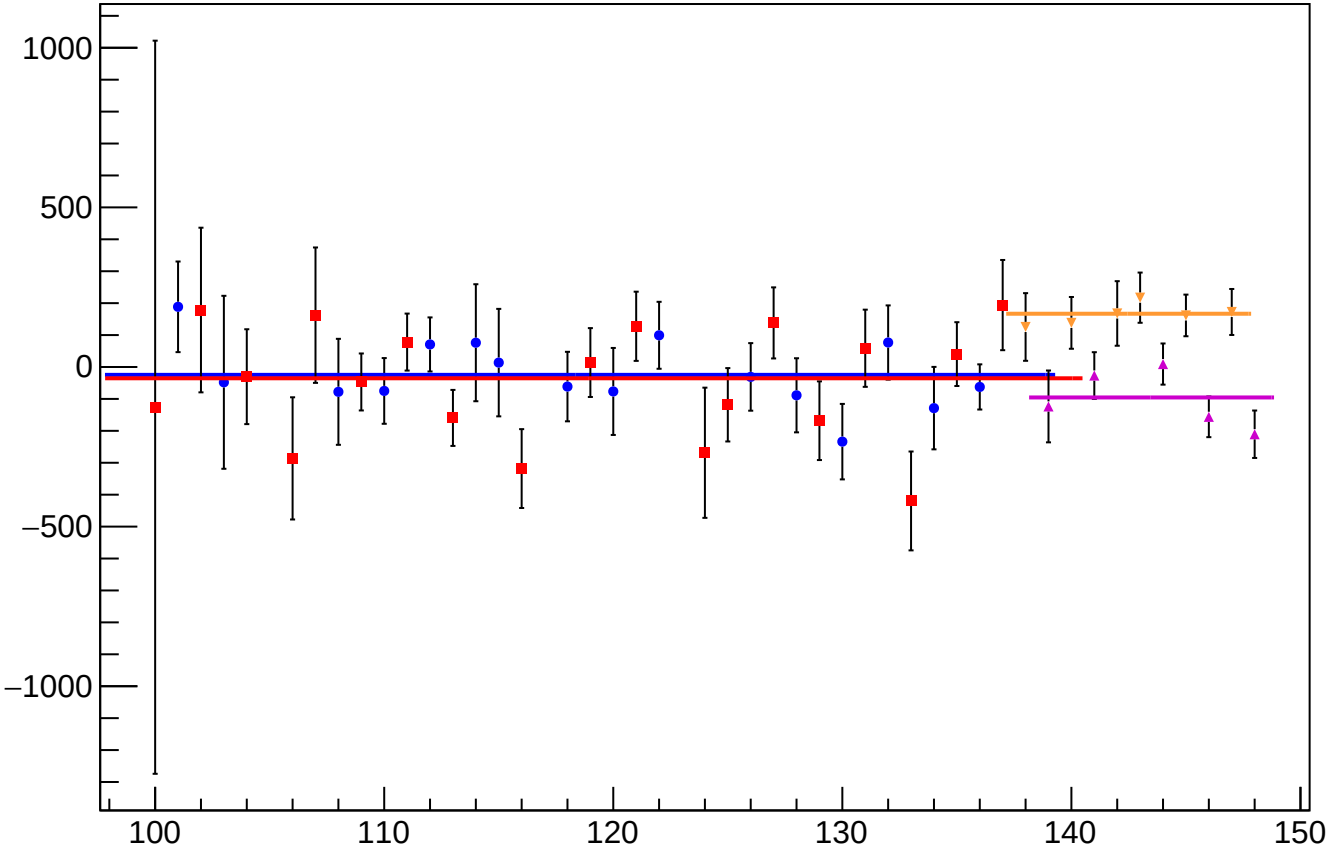
Left In: 542.785+/-0.191 χ^2/NDF:522049.3/4

+ sign 707.258+/-0.157 χ^2/NDF: 2865823.2/21

All: 701.990+/-0.110 χ^2/NDF: 5984810.6/45

- sign 696.867+/-0.155 χ^2/NDF: 3116763.4/23

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

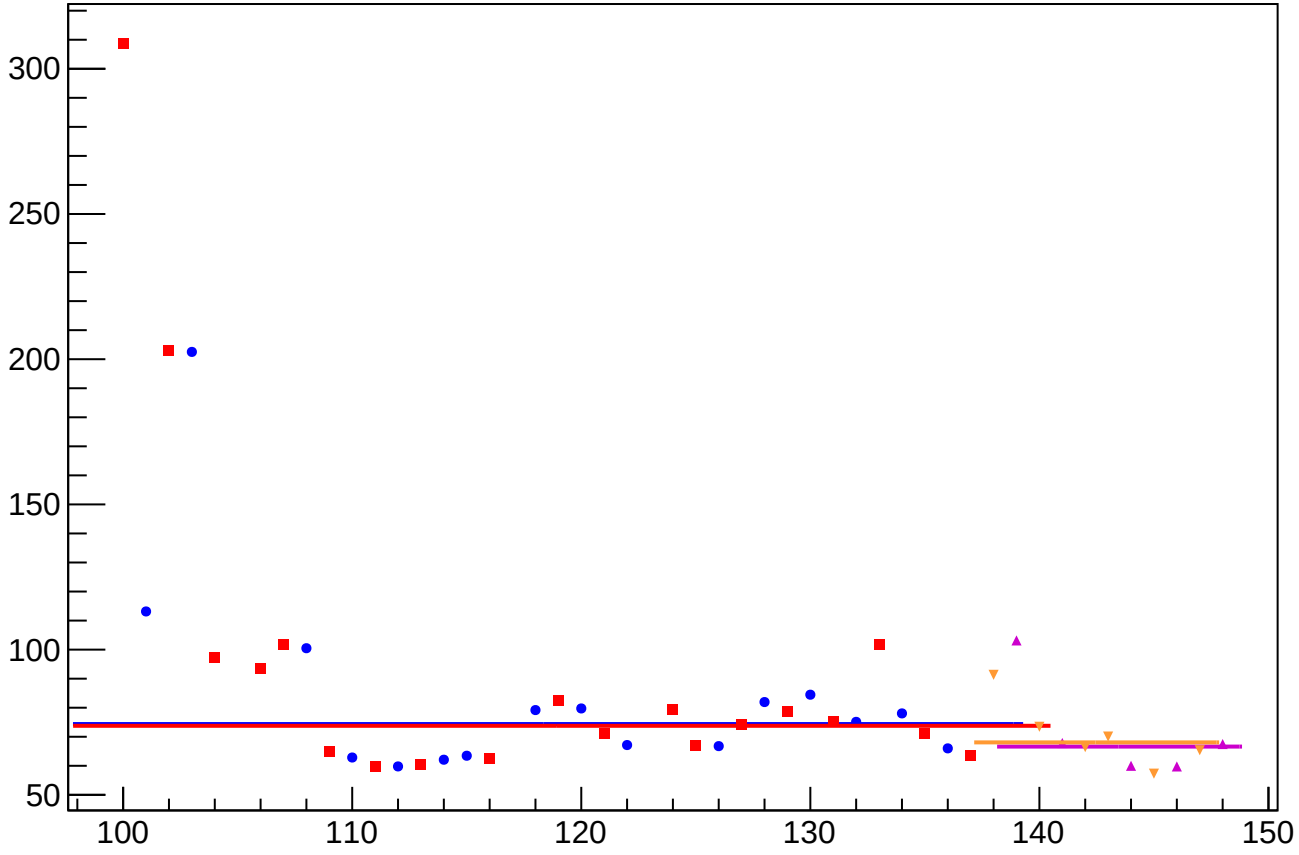
Left In: -95.435+/-32.717 χ^2/NDF:6.9/4

+ sign 59.020+/-21.695 χ^2/NDF: 30.9/21

All: -1.737+/-15.261 χ^2/NDF: 85.2/45

- sign -61.247+/-21.472 χ^2/NDF: 38.8/23

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

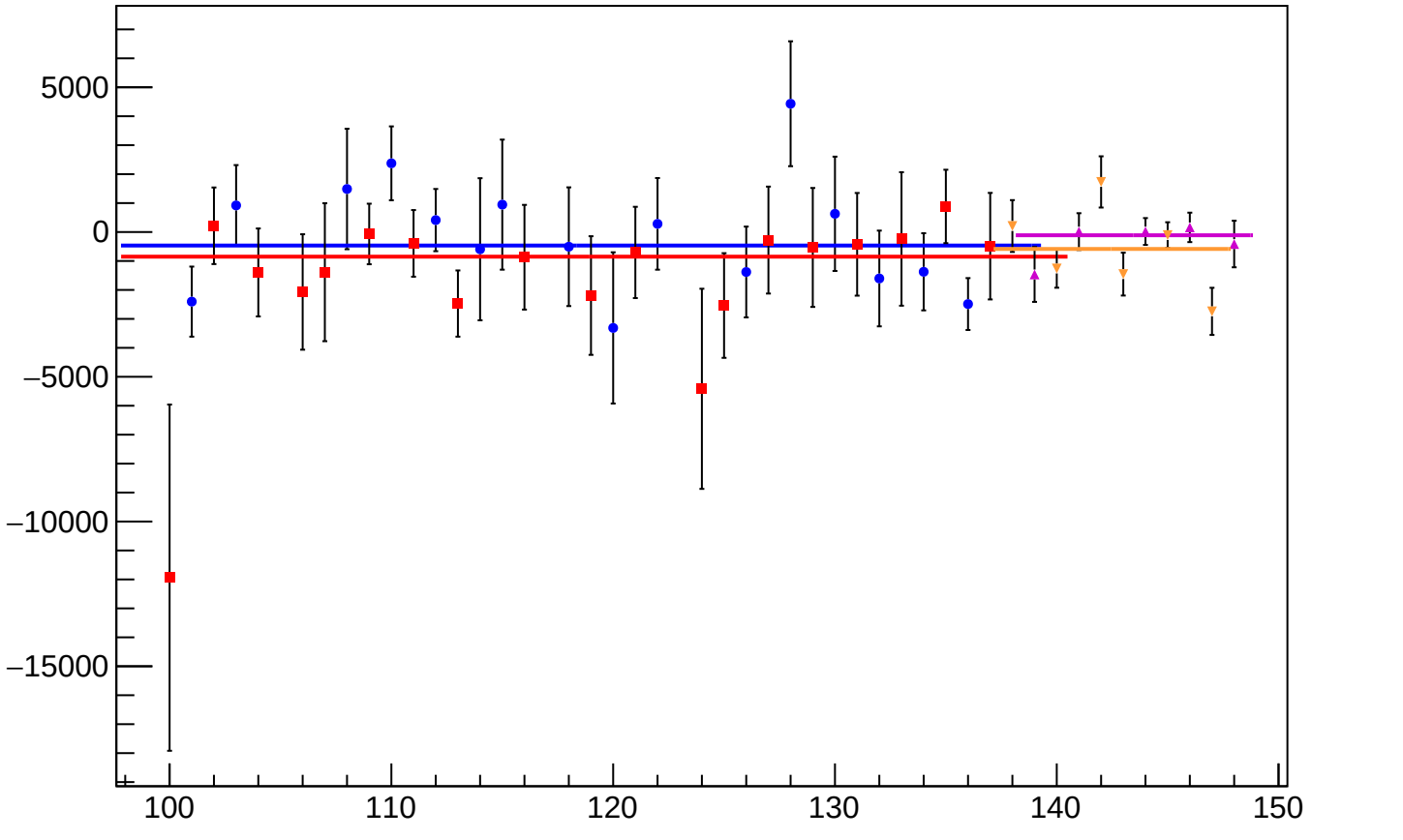
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 71.613+/-0.015 χ^2/NDF: 1033542.4/21

All: 71.147+/-0.011 χ^2/NDF: 2274005.9/45

- sign 70.691+/-0.015 χ^2/NDF: 1238640.4/23



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

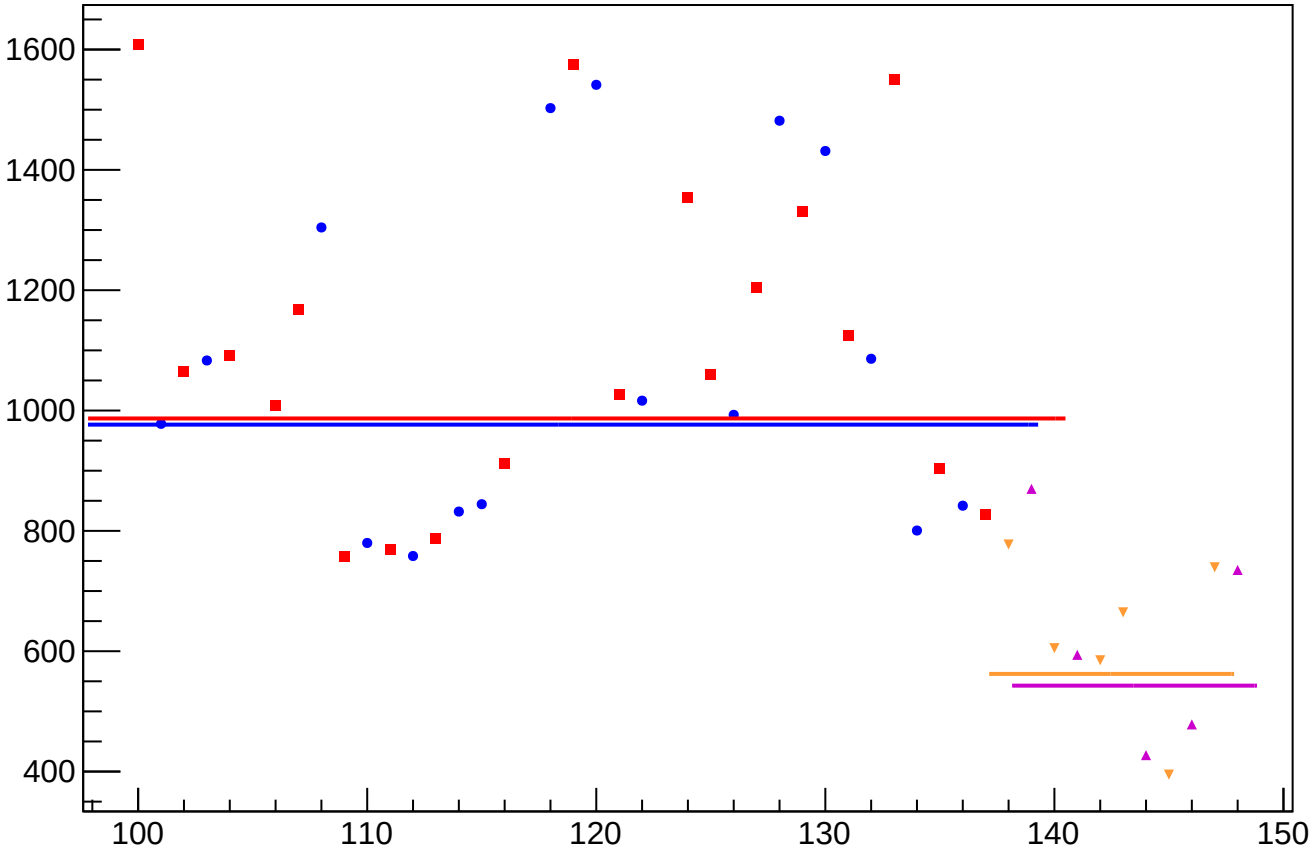
Left In: -111.542+/-270.448 χ^2/NDF:2.6/4

+ sign -543.299+/-221.863 χ^2/NDF: 42.0/21

All: -453.572+/-155.848 χ^2/NDF: 60.0/45

- sign -366.170+/-218.970 χ^2/NDF: 17.7/23

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

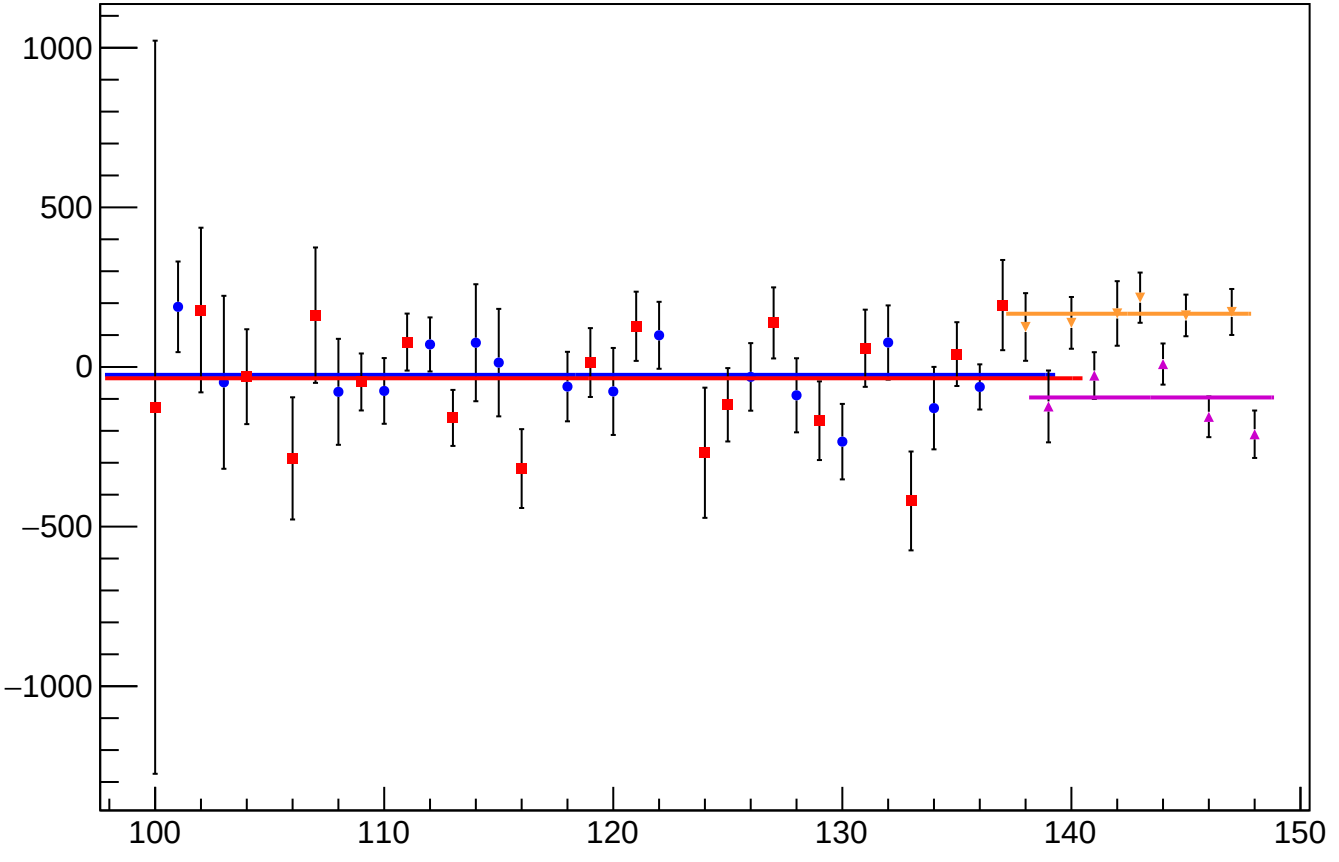
Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

+ sign 707.258+/-0.157 χ^2/NDF: 2865878.3/21

All: 701.422+/-0.110 χ^2/NDF: 5961098.1/45

- sign 695.737+/-0.155 χ^2/NDF: 3092487.8/23

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

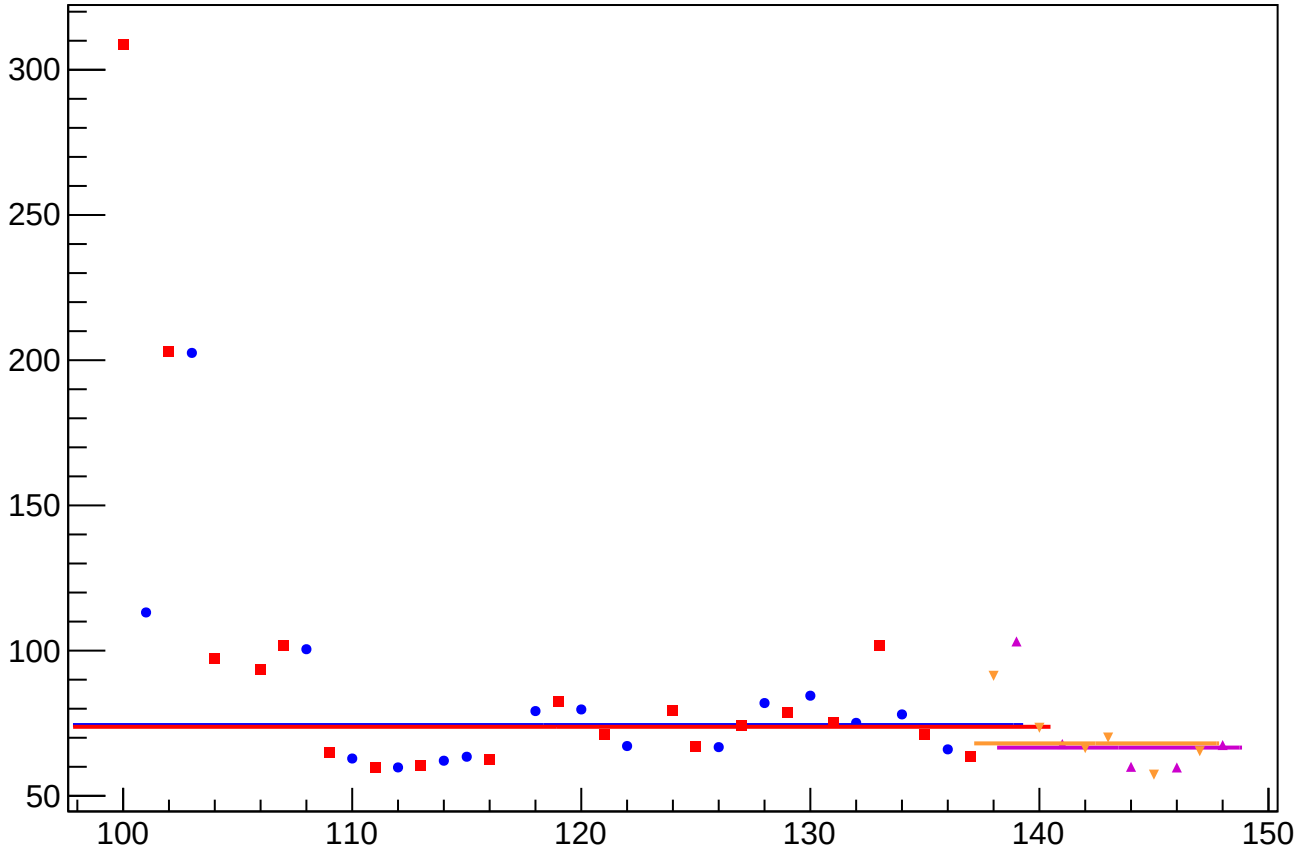
Left In: -95.435+/-32.717 χ^2/NDF:6.9/4

+ sign 59.020+/-21.695 χ^2/NDF: 30.9/21

All: -1.737+/-15.261 χ^2/NDF: 85.2/45

- sign -61.247+/-21.472 χ^2/NDF: 38.8/23

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

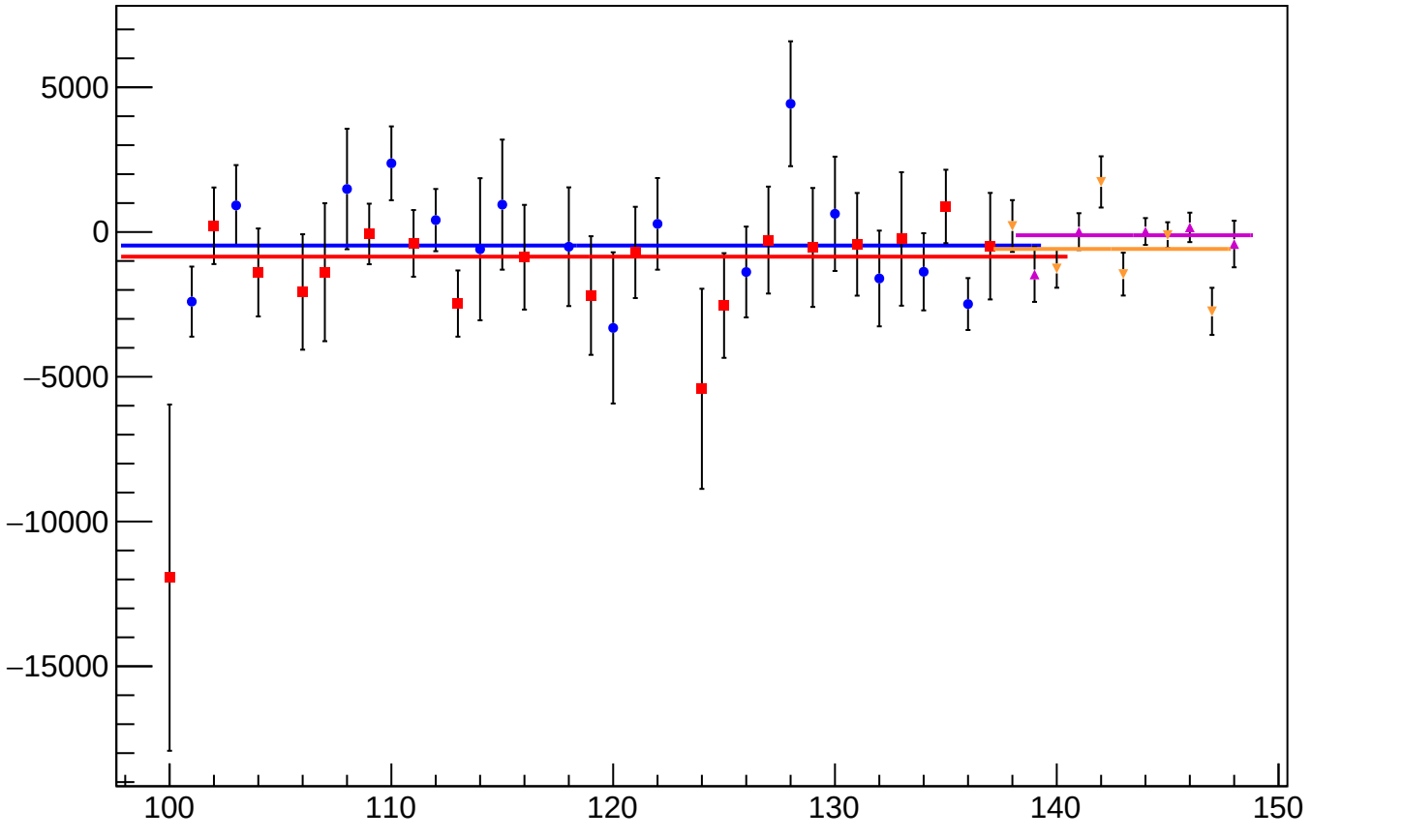
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 71.613+/-0.015 χ^2/NDF: 1033542.4/21

All: 71.147+/-0.011 χ^2/NDF: 2274005.9/45

- sign 70.691+/-0.015 χ^2/NDF: 1238640.4/23



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

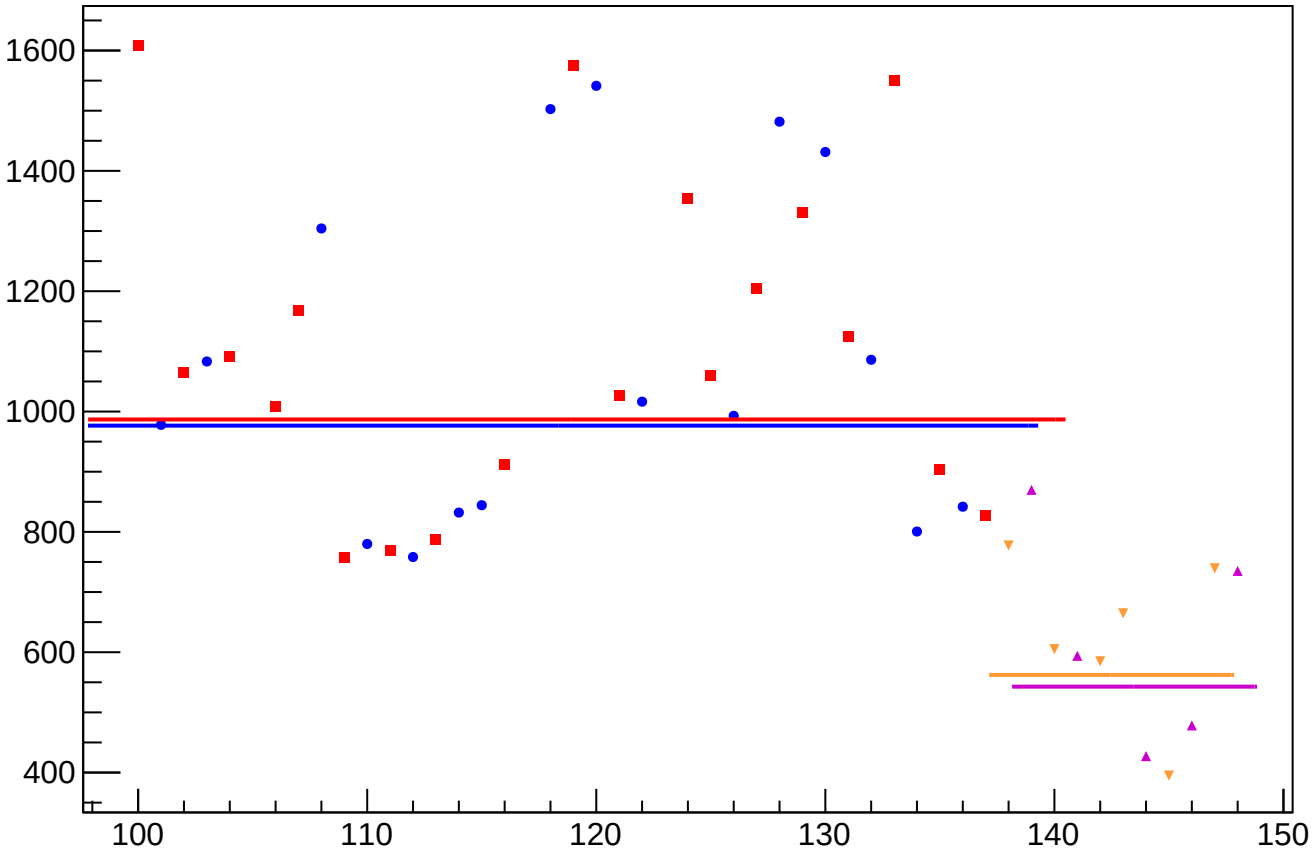
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -111.542+/-270.448 χ^2/NDF:2.6/4

+ sign -543.299+/-221.863 χ^2/NDF: 42.0/21

All: -453.572+/-155.848 χ^2/NDF: 60.0/45

- sign -366.170+/-218.970 χ^2/NDF: 17.7/23



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

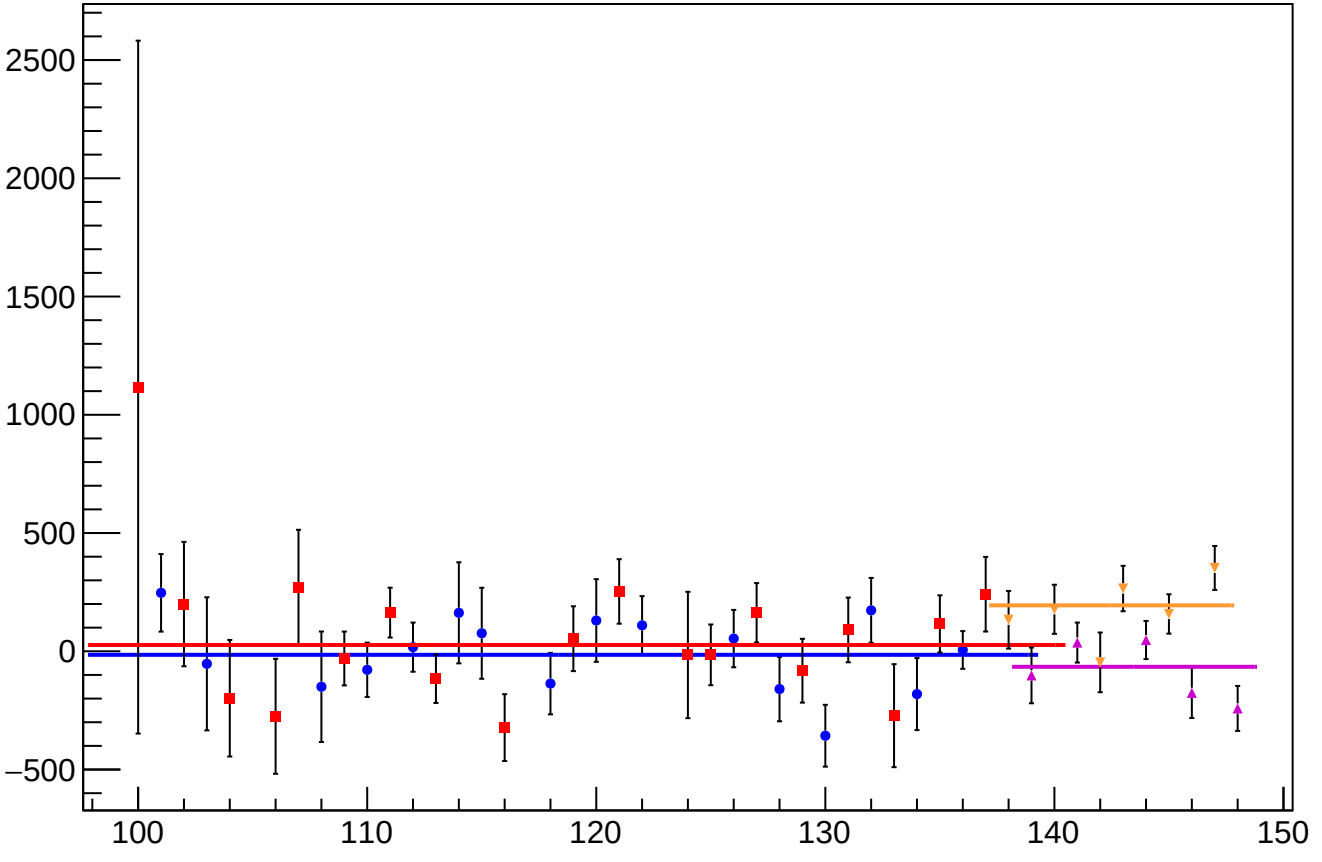
Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

+ sign 707.258+/-0.157 χ^2/NDF: 2865878.3/21

All: 701.422+/-0.110 χ^2/NDF: 5961098.1/45

- sign 695.737+/-0.155 χ^2/NDF: 3092487.8/23

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

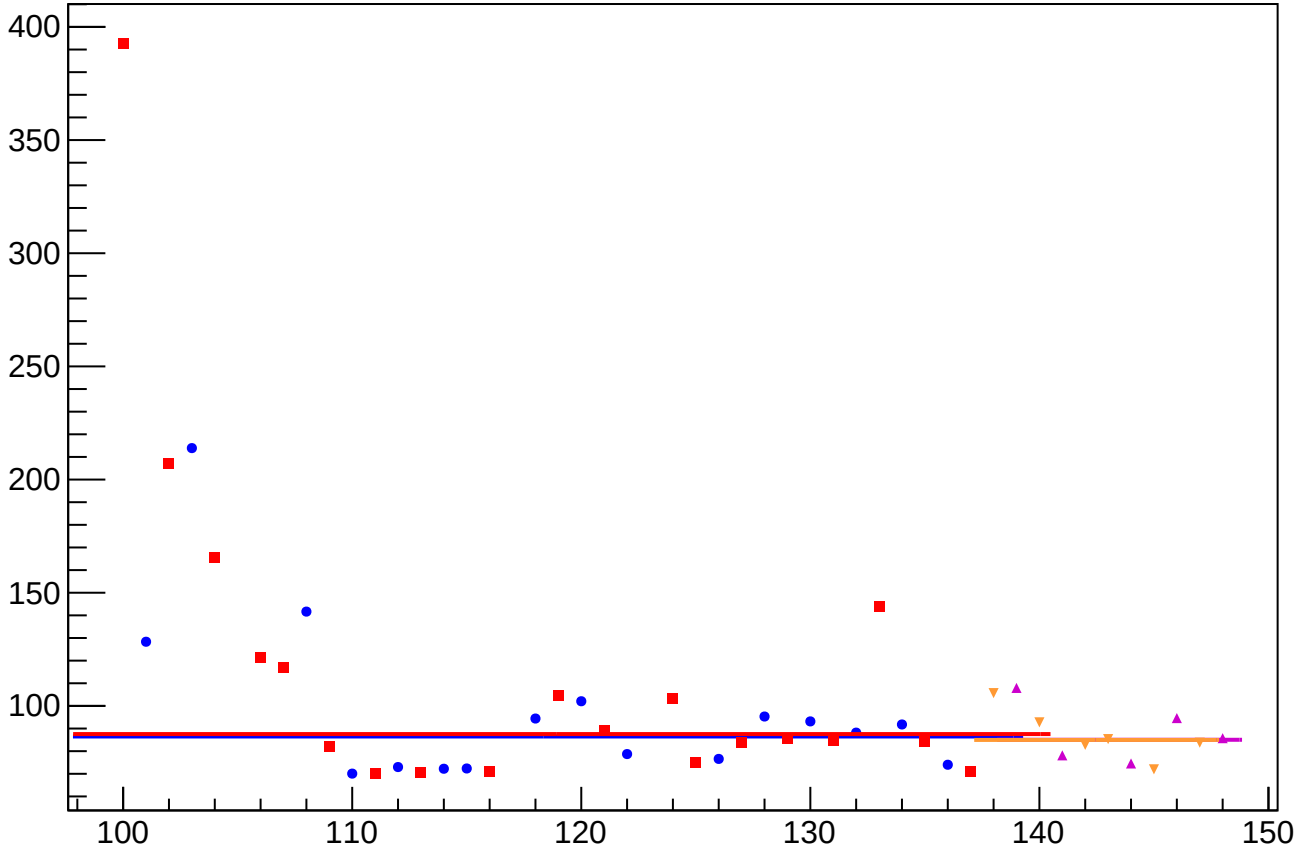
Left In: -65.608+/-42.077 χ^2/NDF:8.0/4

+ sign 69.304+/-26.091 χ^2/NDF: 41.3/21

All: 30.294+/-18.585 χ^2/NDF: 80.4/45

- sign -9.885+/-26.480 χ^2/NDF: 34.5/23

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

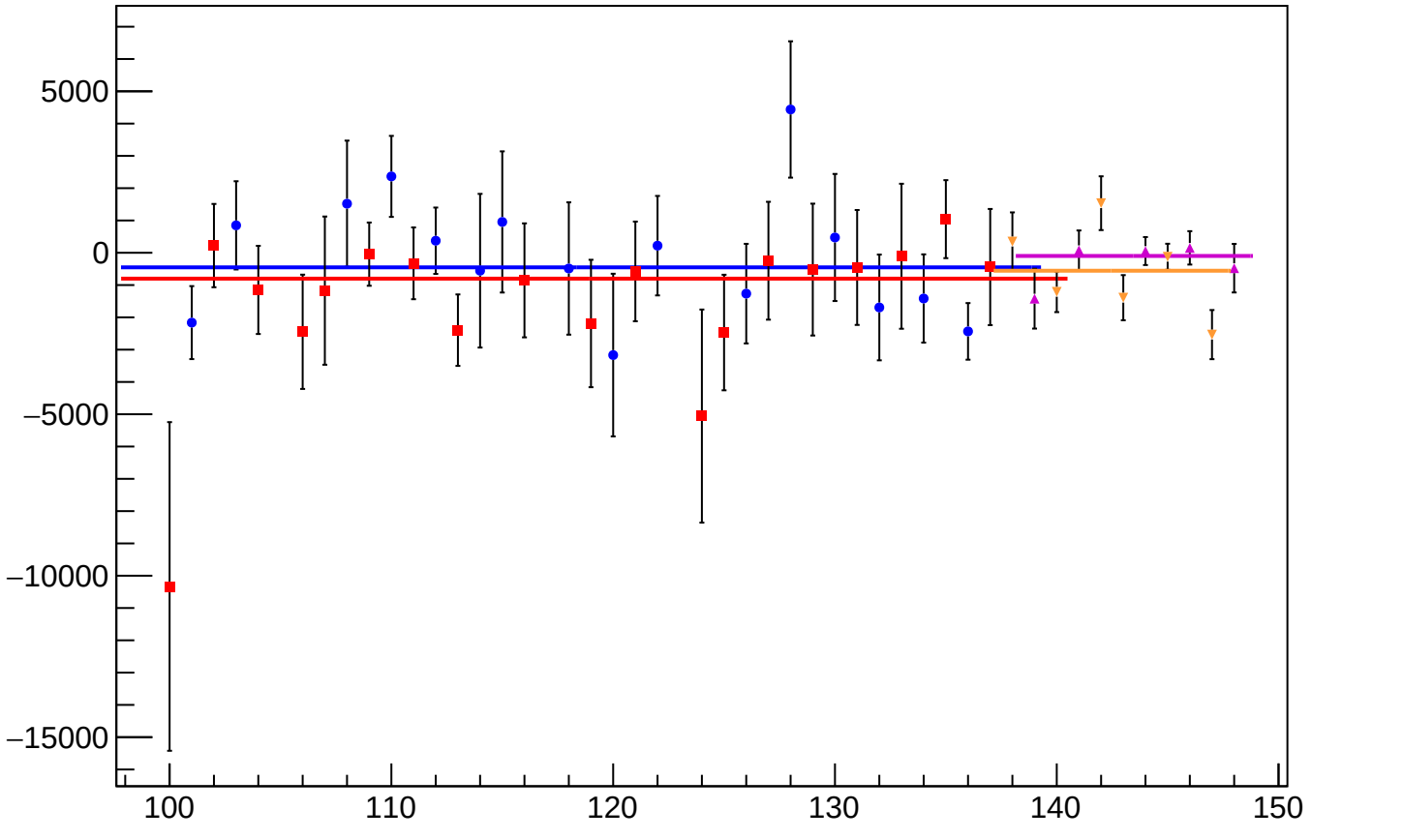
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 85.033+/-0.030 χ^2/NDF:138869.6/4

+ sign 85.875+/-0.018 χ^2/NDF: 976359.3/21

All: 86.210+/-0.013 χ^2/NDF: 2250033.6/45

- sign 86.556+/-0.019 χ^2/NDF: 1273003.0/23



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

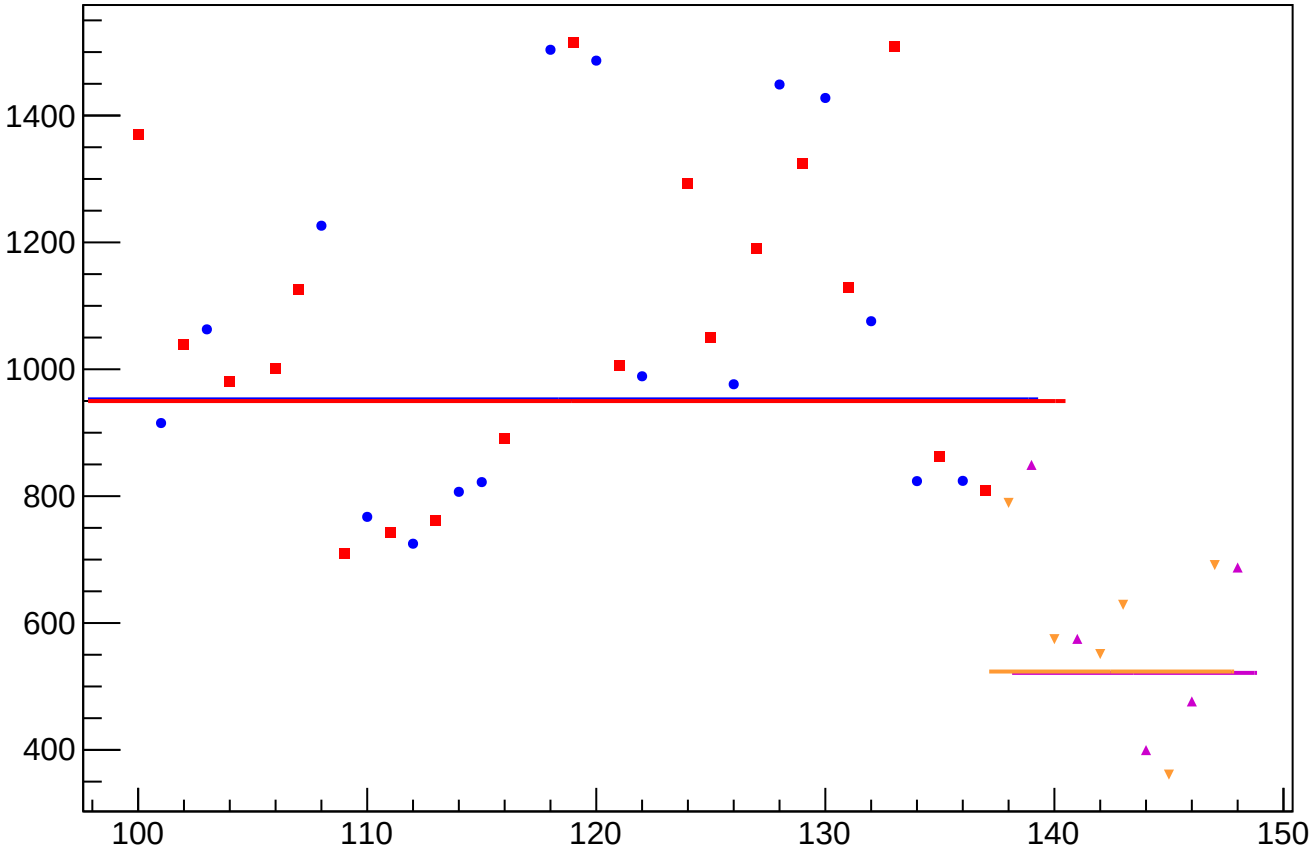
Left In: -98.455+/-261.075 χ^2/NDF:2.7/4

+ sign -521.430+/-210.336 χ^2/NDF: 41.5/21

All: -432.239+/-148.934 χ^2/NDF: 60.7/45

- sign -342.557+/-210.914 χ^2/NDF: 18.9/23

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

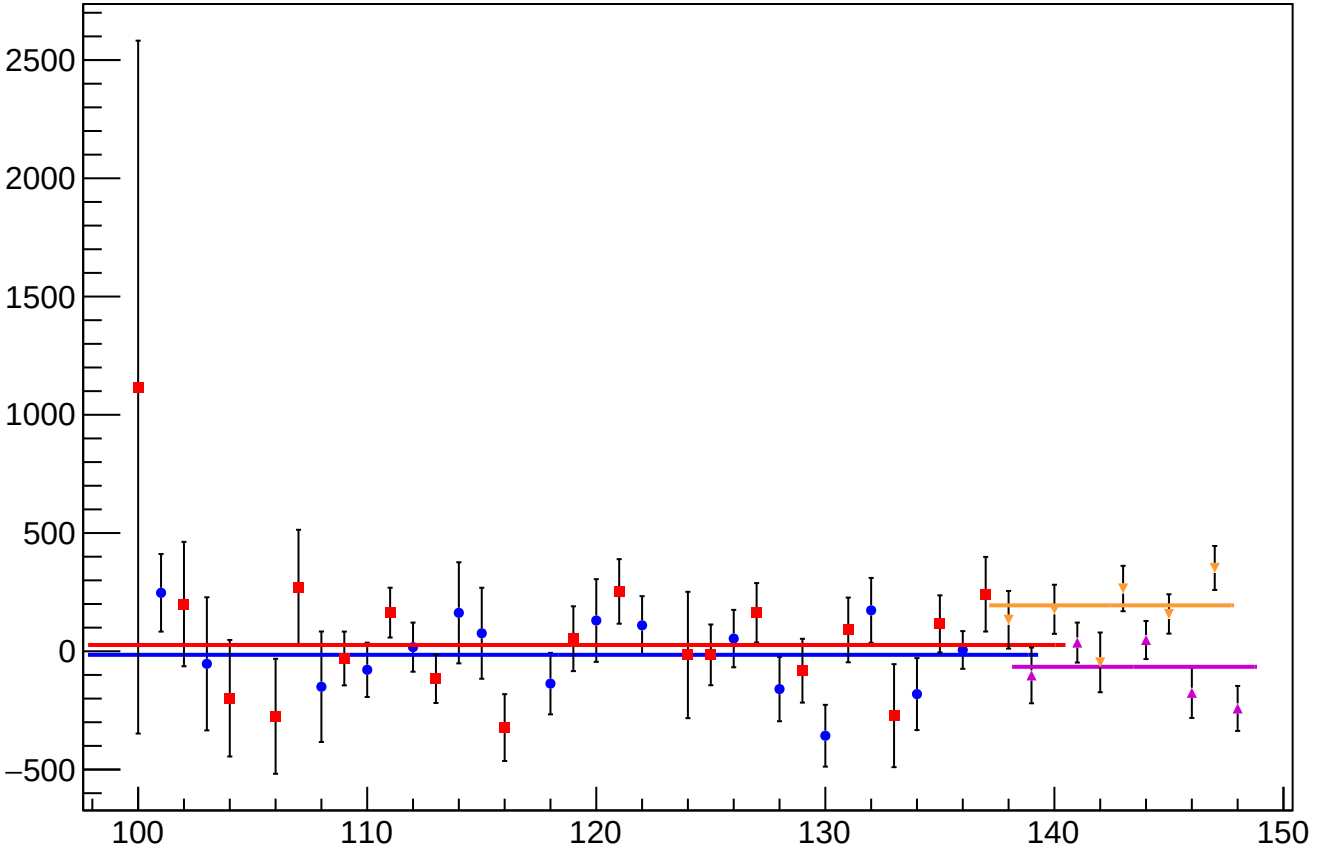
Left In: 521.418+/-0.185 χ^2/NDF:536844.0/4

+ sign 665.535+/-0.149 χ^2/NDF: 3244504.0/21

All: 667.886+/-0.105 χ^2/NDF: 6404710.9/45

- sign 670.249+/-0.149 χ^2/NDF: 3159706.2/23

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

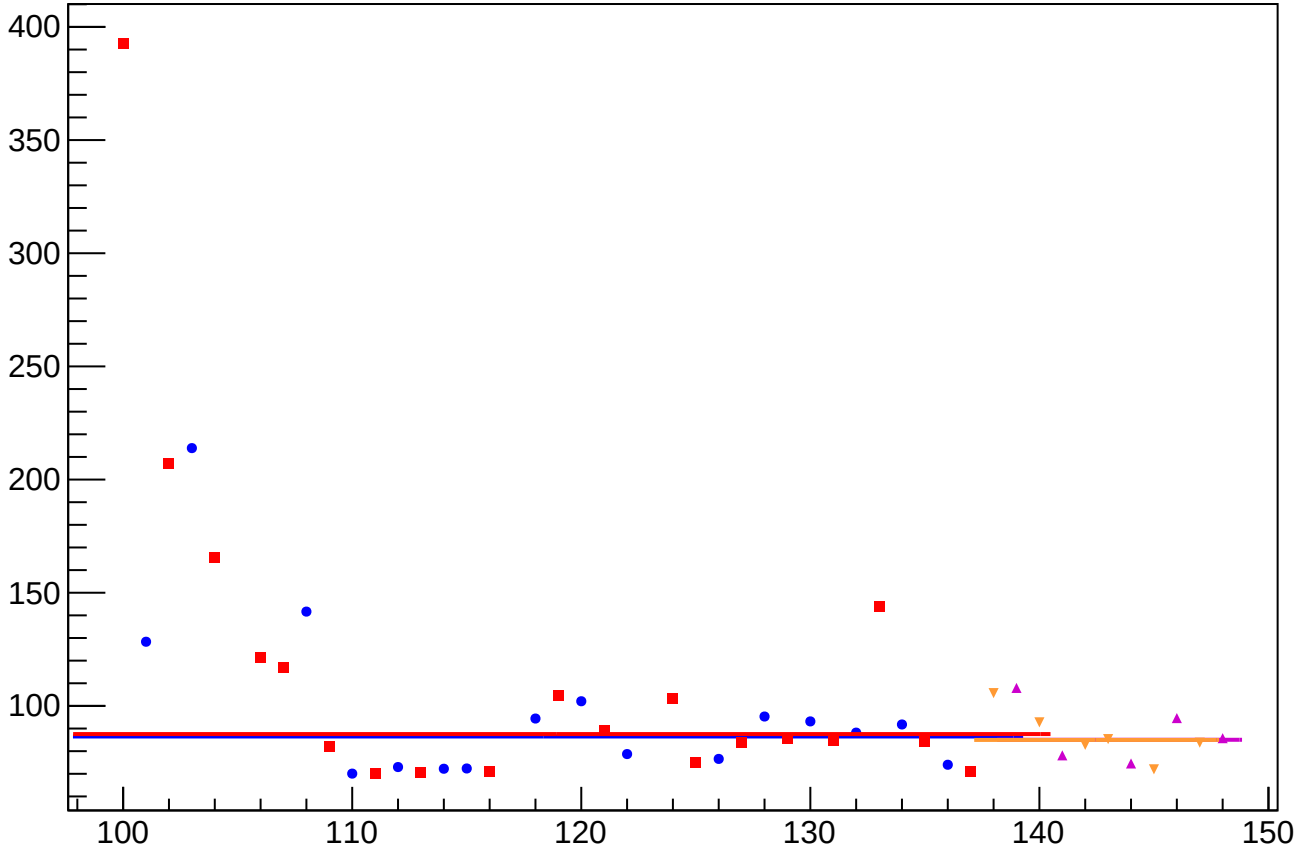
Left In: -65.608+/-42.077 χ^2/NDF:8.0/4

+ sign 69.303+/-26.092 χ^2/NDF: 41.3/21

All: 30.295+/-18.585 χ^2/NDF: 80.4/45

- sign -9.883+/-26.480 χ^2/NDF: 34.5/23

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

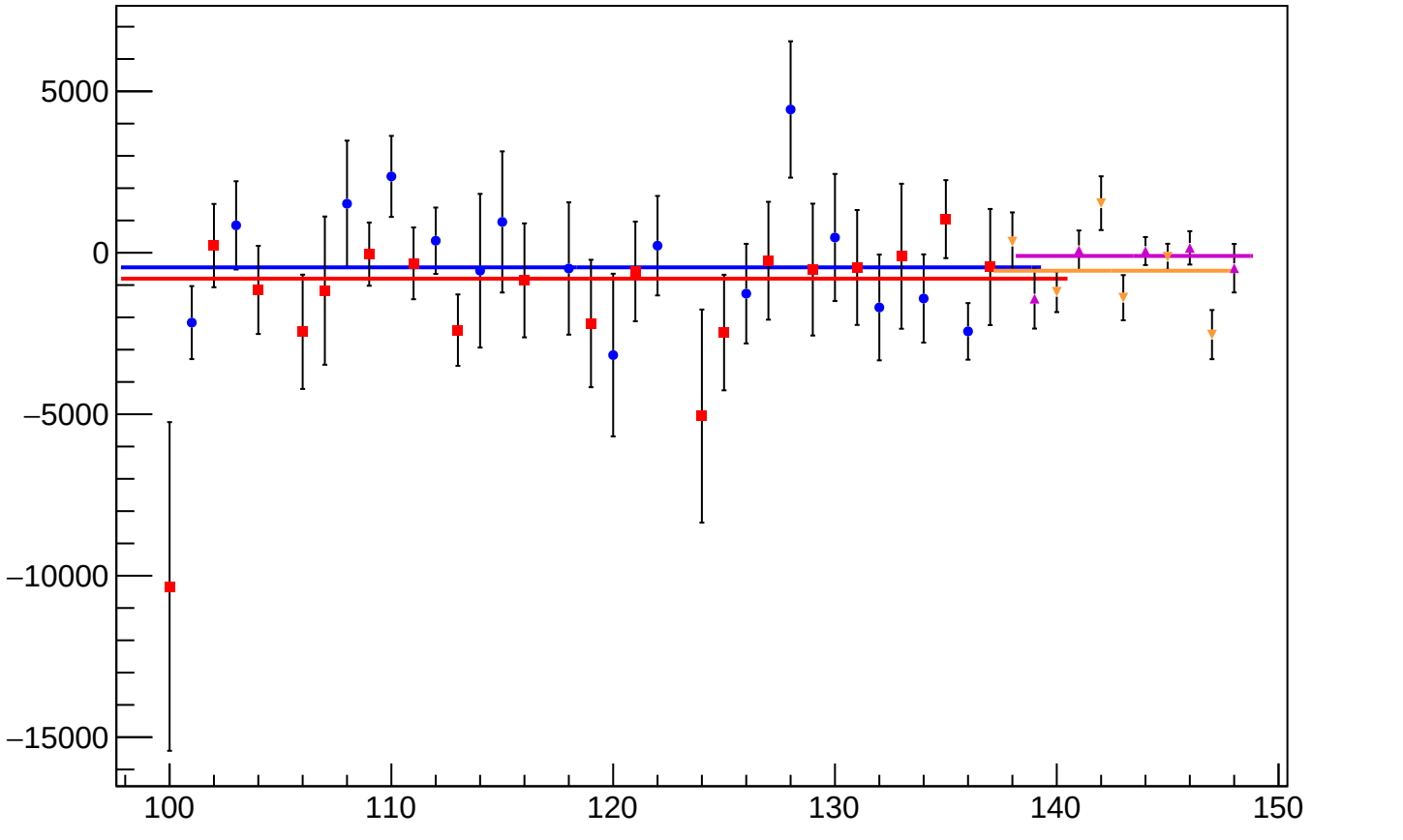
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 85.033+/-0.030 χ^2/NDF:138867.6/4

+ sign 85.875+/-0.018 χ^2/NDF: 976348.9/21

All: 86.211+/-0.013 χ^2/NDF: 2250019.6/45

- sign 86.556+/-0.019 χ^2/NDF: 1272999.5/23



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.087+/-257.154 χ^2/NDF:17.7/5

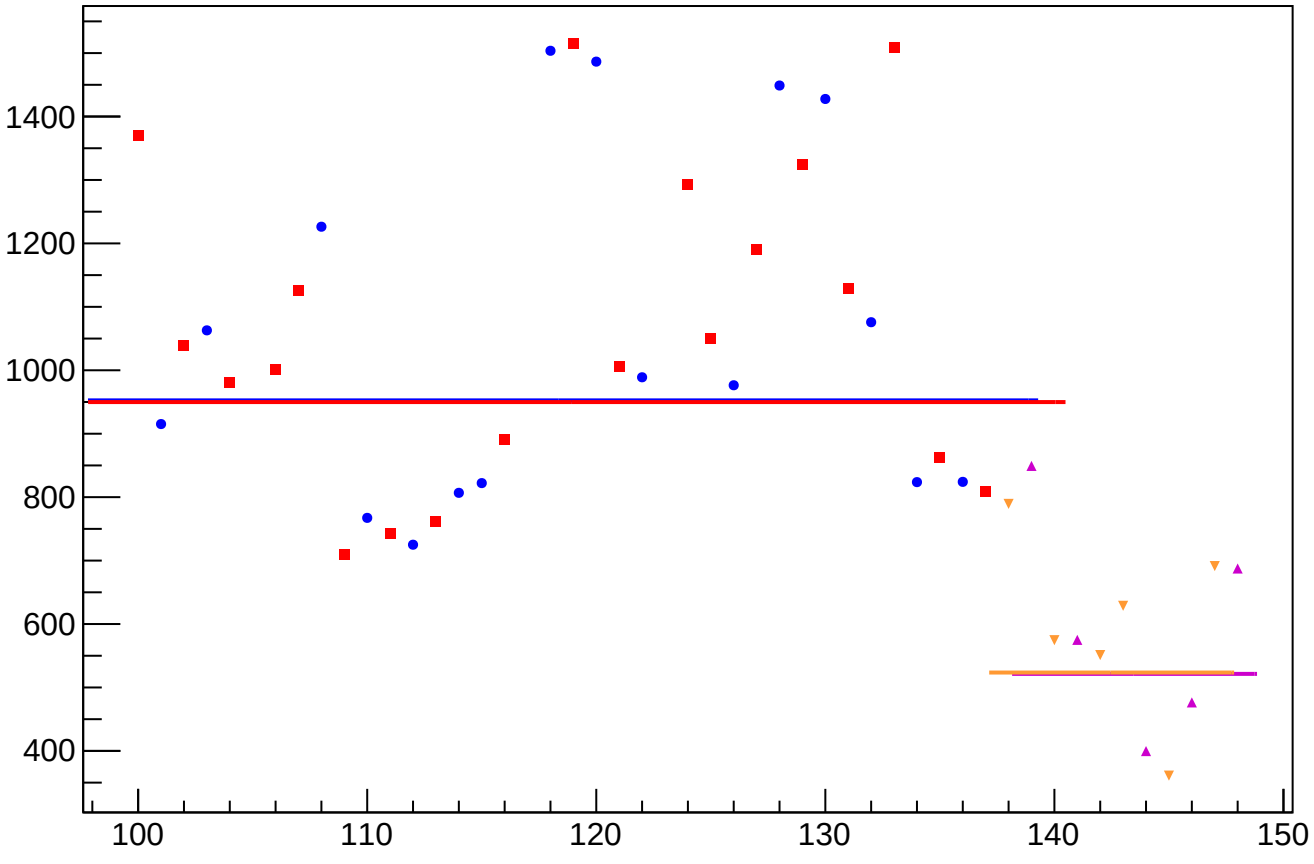
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -98.455+/-261.075 χ^2/NDF:2.7/4

+ sign -521.430+/-210.336 χ^2/NDF: 41.5/21

All: -432.239+/-148.934 χ^2/NDF: 60.7/45

- sign -342.557+/-210.914 χ^2/NDF: 18.9/23



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

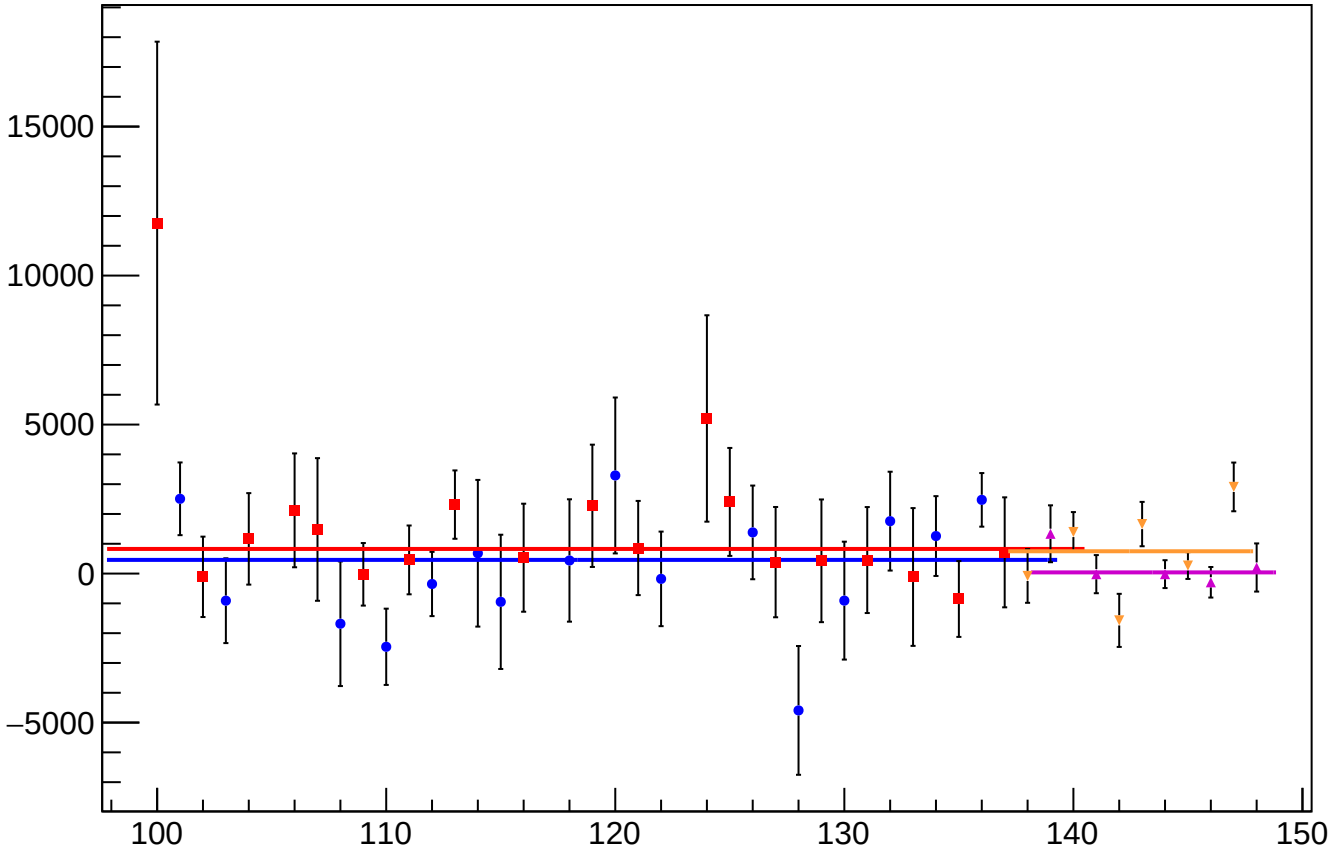
Left In: 521.417+/-0.185 χ^2/NDF:536845.9/4

+ sign 665.535+/-0.149 χ^2/NDF: 3244504.9/21

All: 667.885+/-0.105 χ^2/NDF: 6404706.8/45

- sign 670.248+/-0.149 χ^2/NDF: 3159701.0/23

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

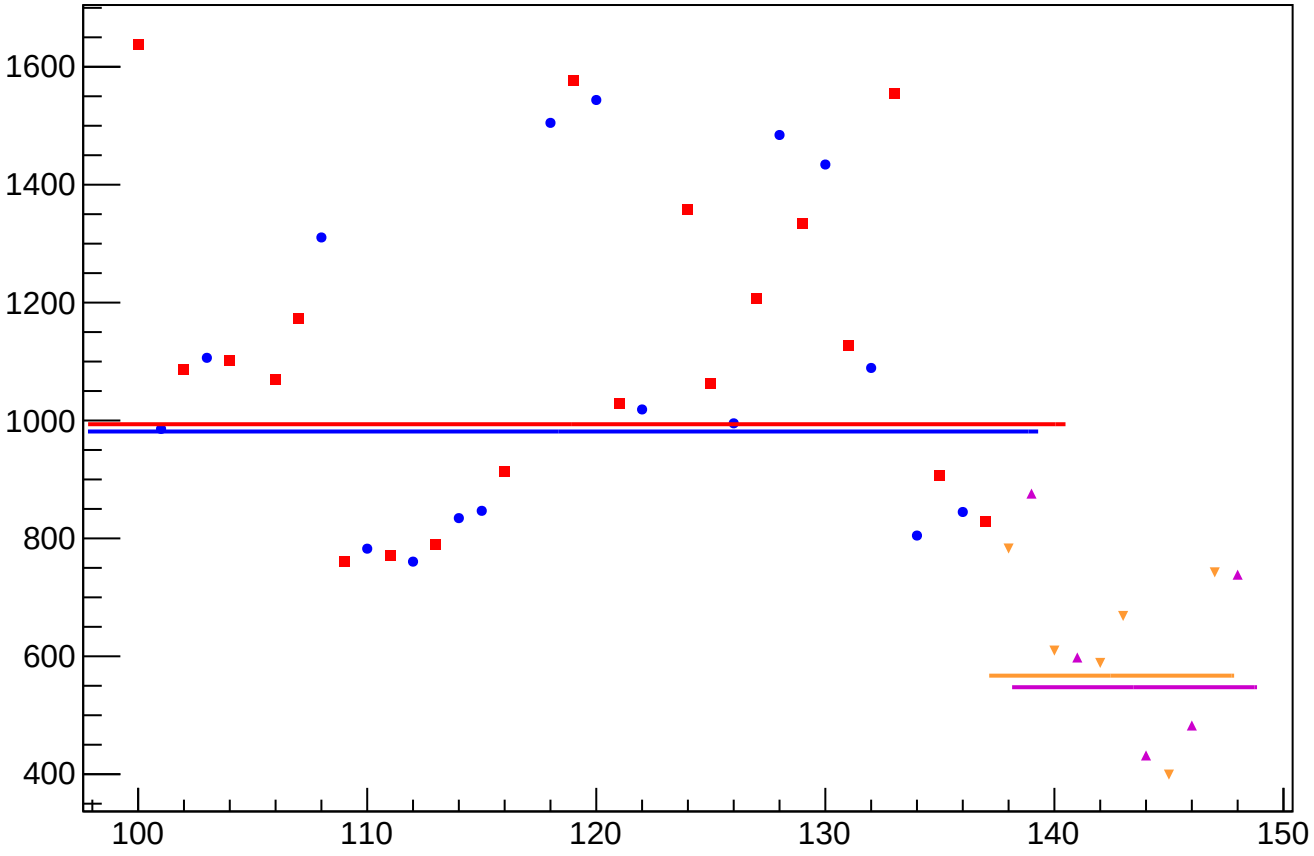
Left In: 39.595+/-272.703 χ^2/NDF:2.3/4

+ sign 646.959+/-223.429 χ^2/NDF: 43.1/21

All: 477.455+/-156.905 χ^2/NDF: 61.2/45

- sign 312.519+/-220.397 χ^2/NDF: 16.9/23

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

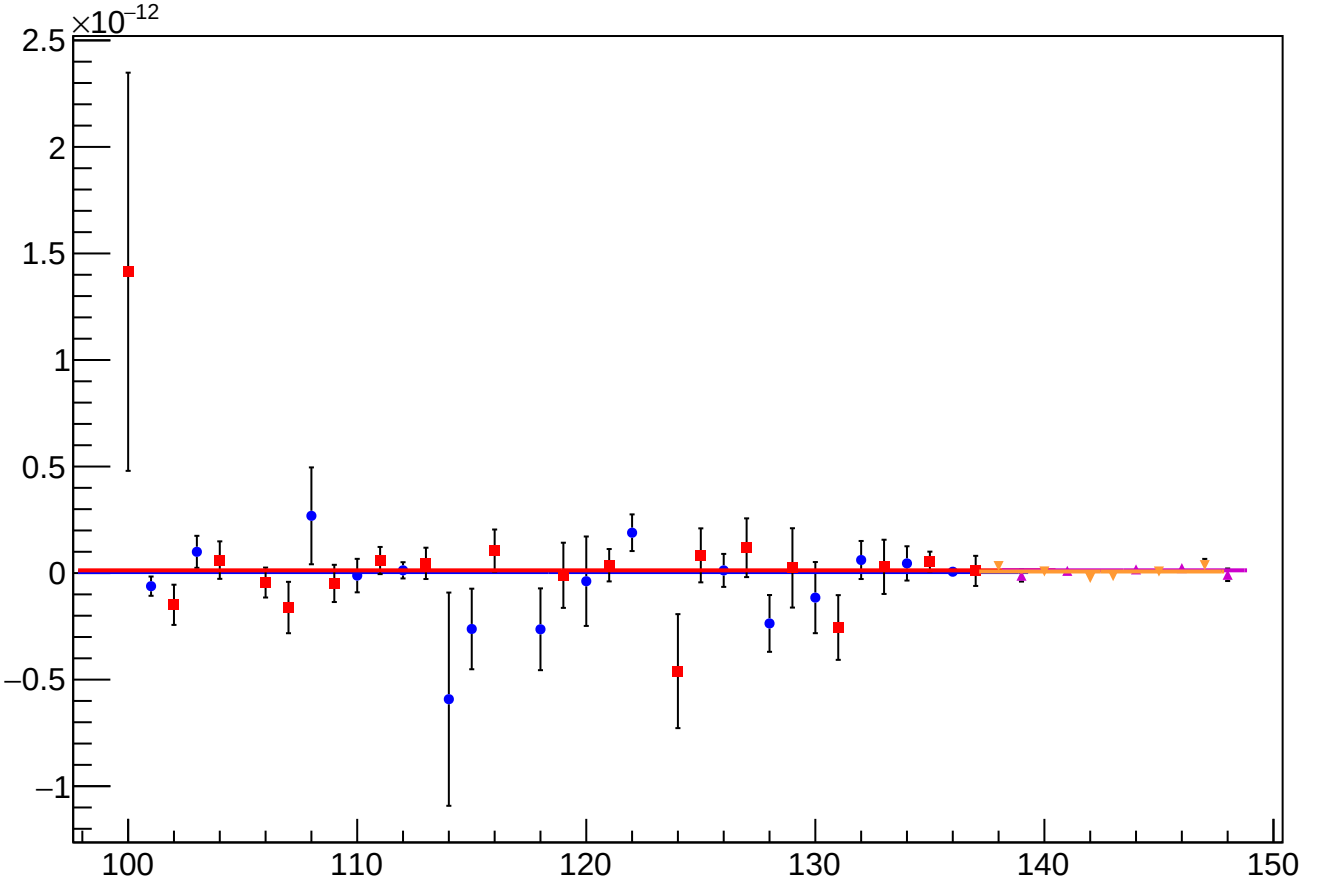
Left In: 547.564+/-0.193 χ^2/NDF:515430.8/4

+ sign 712.741+/-0.158 χ^2/NDF: 2836485.2/21

All: 707.443+/-0.111 χ^2/NDF: 5930274.2/45

- sign 702.287+/-0.156 χ^2/NDF: 3091570.0/23

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

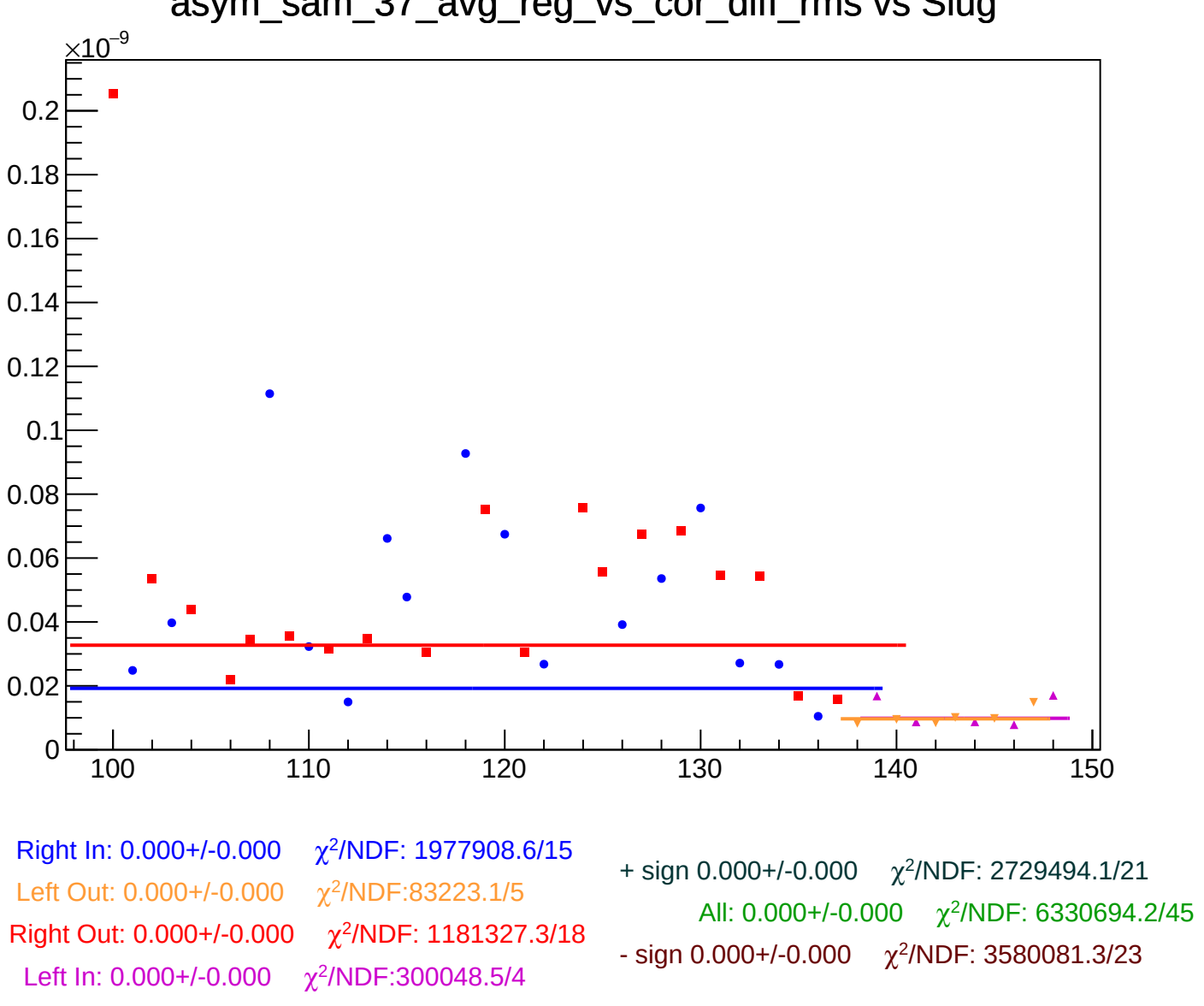
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

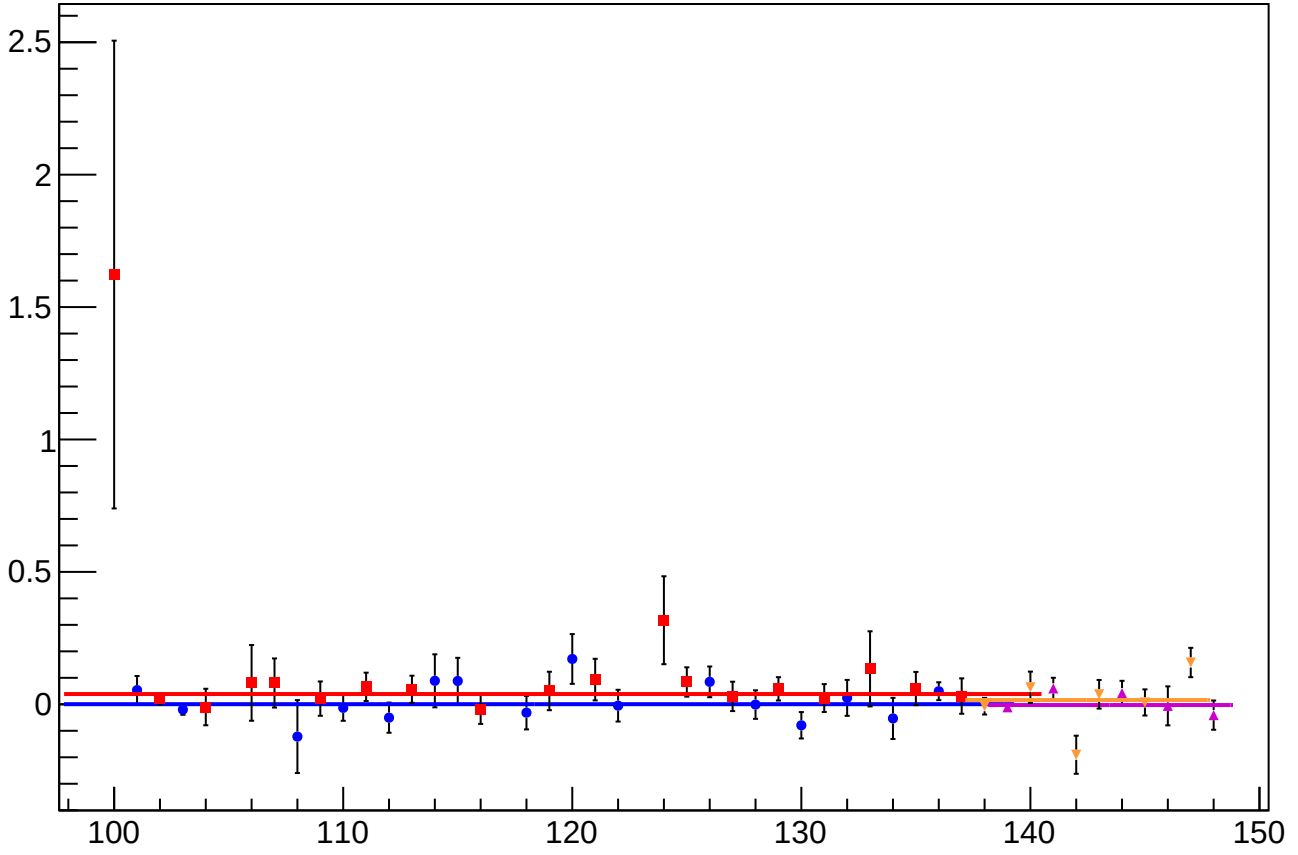
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 46.5/45

- sign 0.000+/-0.000 χ^2/NDF: 20.3/23


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:83223.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:300048.5/4
+ sign 0.000+/-0.000 χ²/NDF: 2729494.1/21
All: 0.000+/-0.000 χ²/NDF: 6330694.2/45
- sign 0.000+/-0.000 χ²/NDF: 3580081.3/23

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

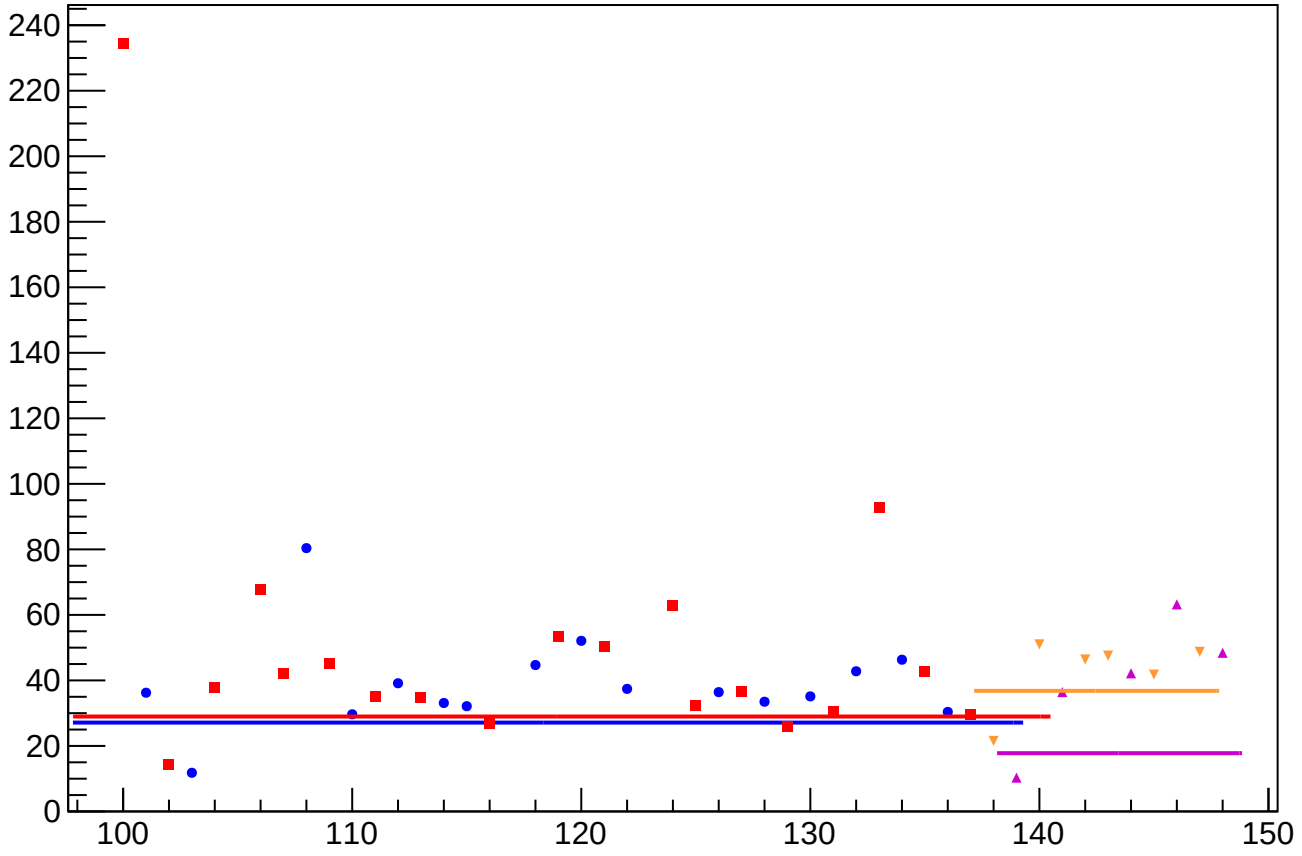
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 55.1/45

- sign 0.017+/-0.009 χ^2/NDF: 21.1/23

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

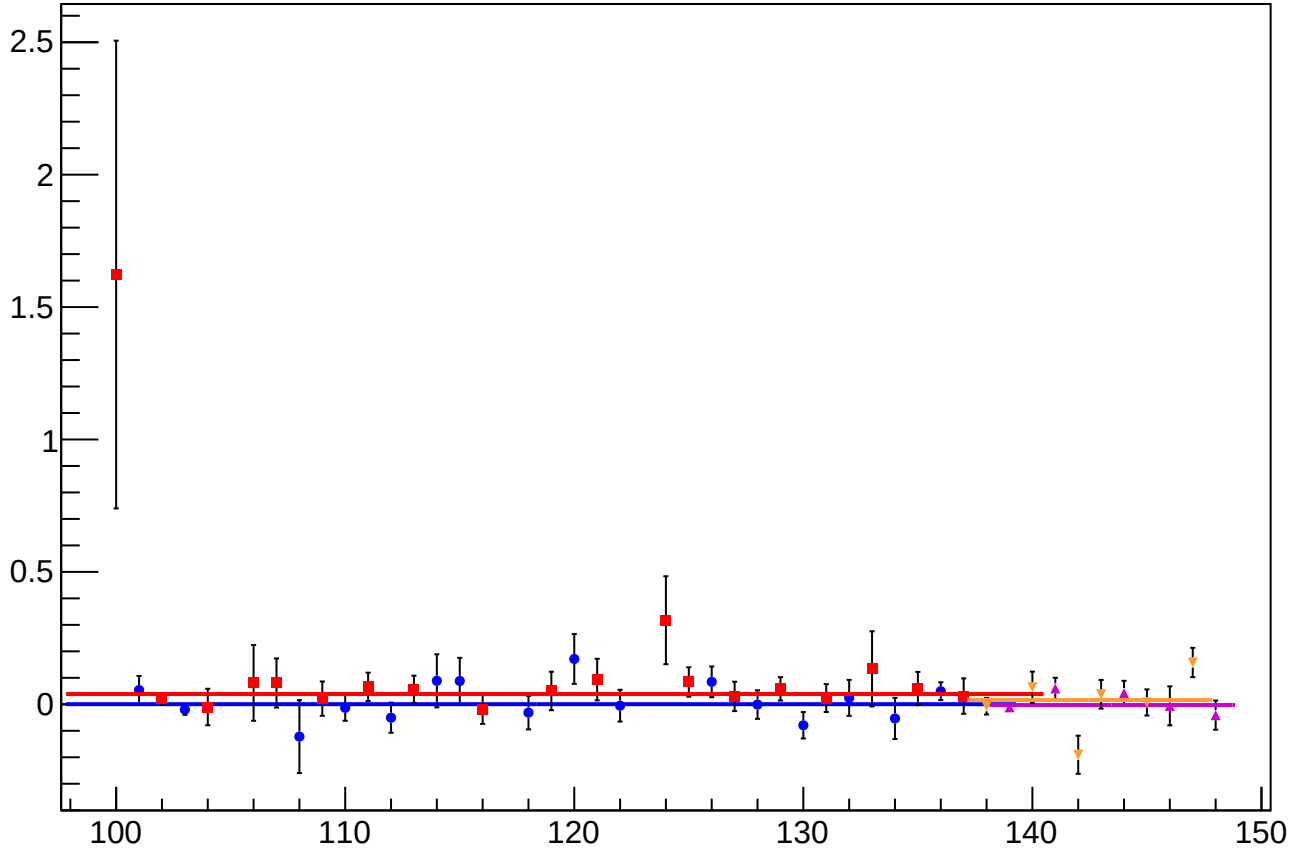
Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

+ sign 29.756+/-0.007 χ^2/NDF: 3583208.8/21

All: 25.808+/-0.005 χ^2/NDF: 10362253.1/45

- sign 23.017+/-0.006 χ^2/NDF: 6274699.9/23

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

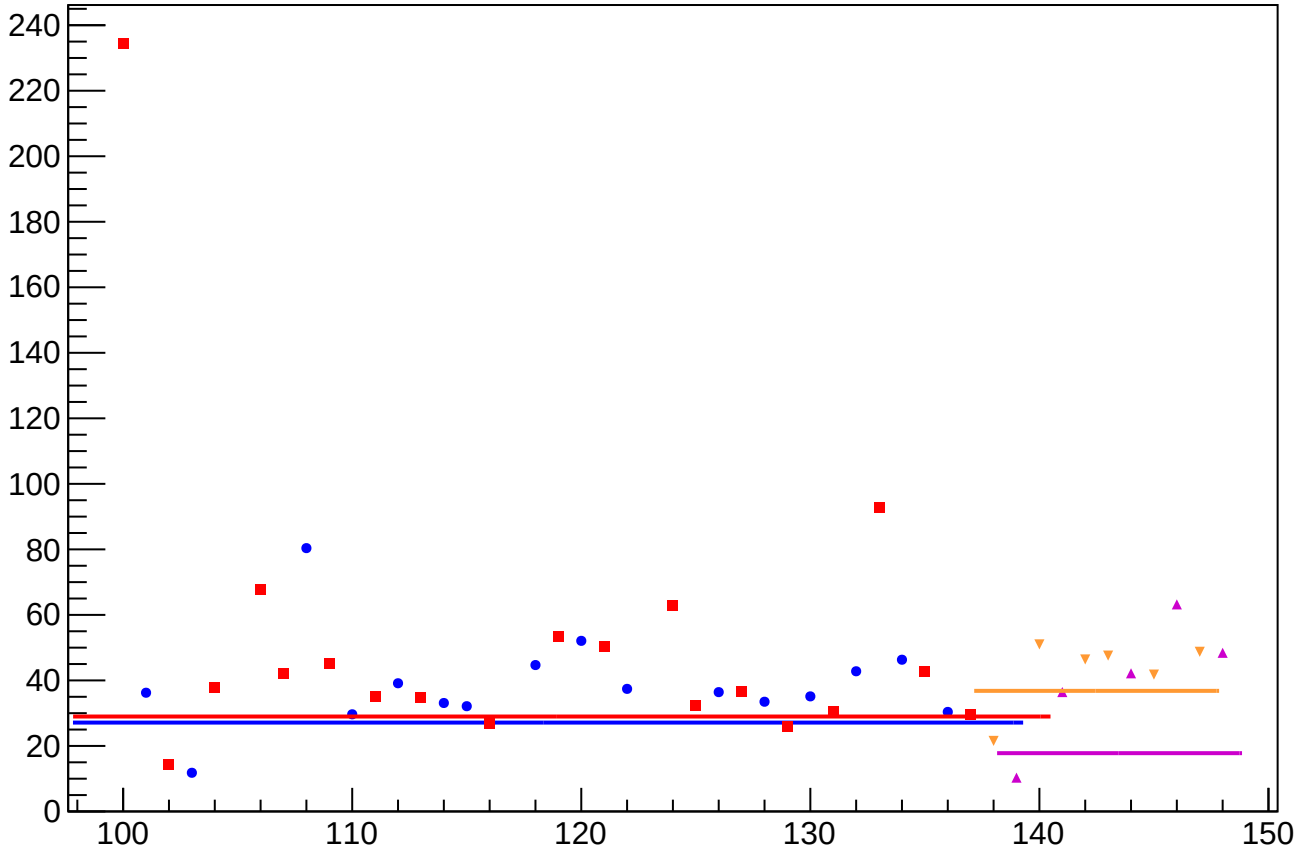
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 55.1/45

- sign 0.017+/-0.009 χ^2/NDF: 21.1/23

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

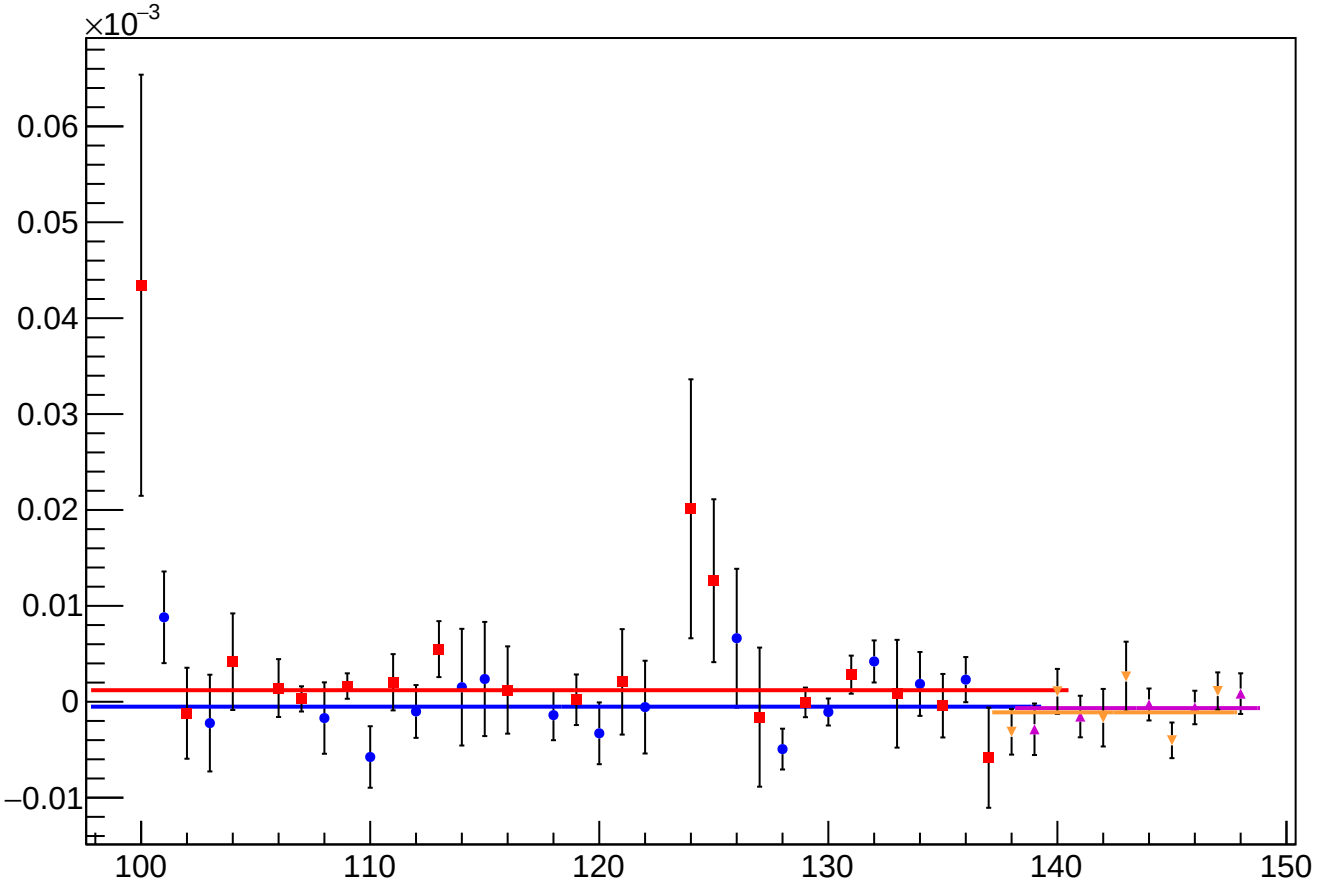
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

+ sign 29.756+/-0.007 χ^2/NDF: 3583208.8/21

All: 25.808+/-0.005 χ^2/NDF: 10362253.1/45

- sign 23.017+/-0.006 χ^2/NDF: 6274699.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/5

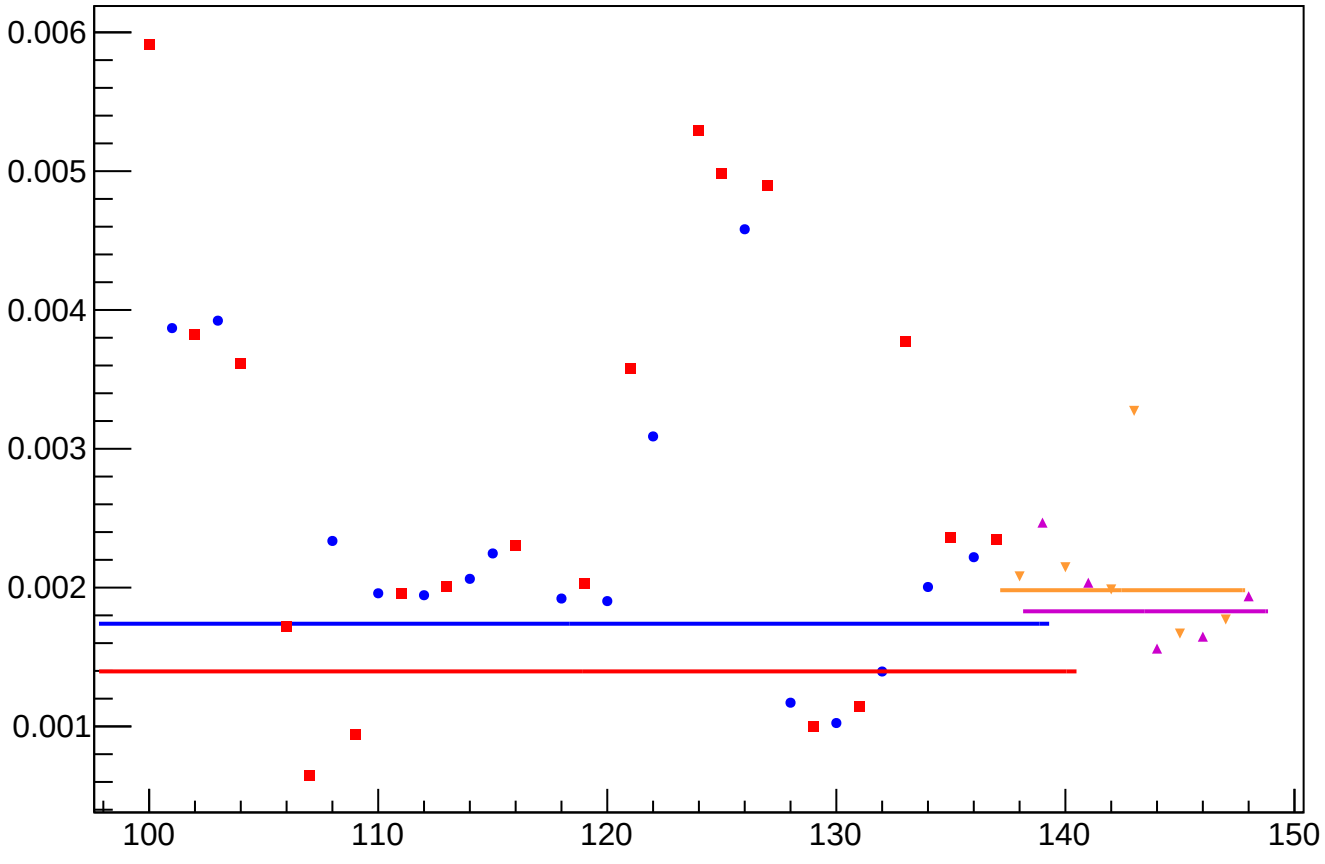
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/21

All: 0.000+/-0.000 χ^2/NDF: 48.7/45

- sign 0.000+/-0.000 χ^2/NDF: 19.0/23



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

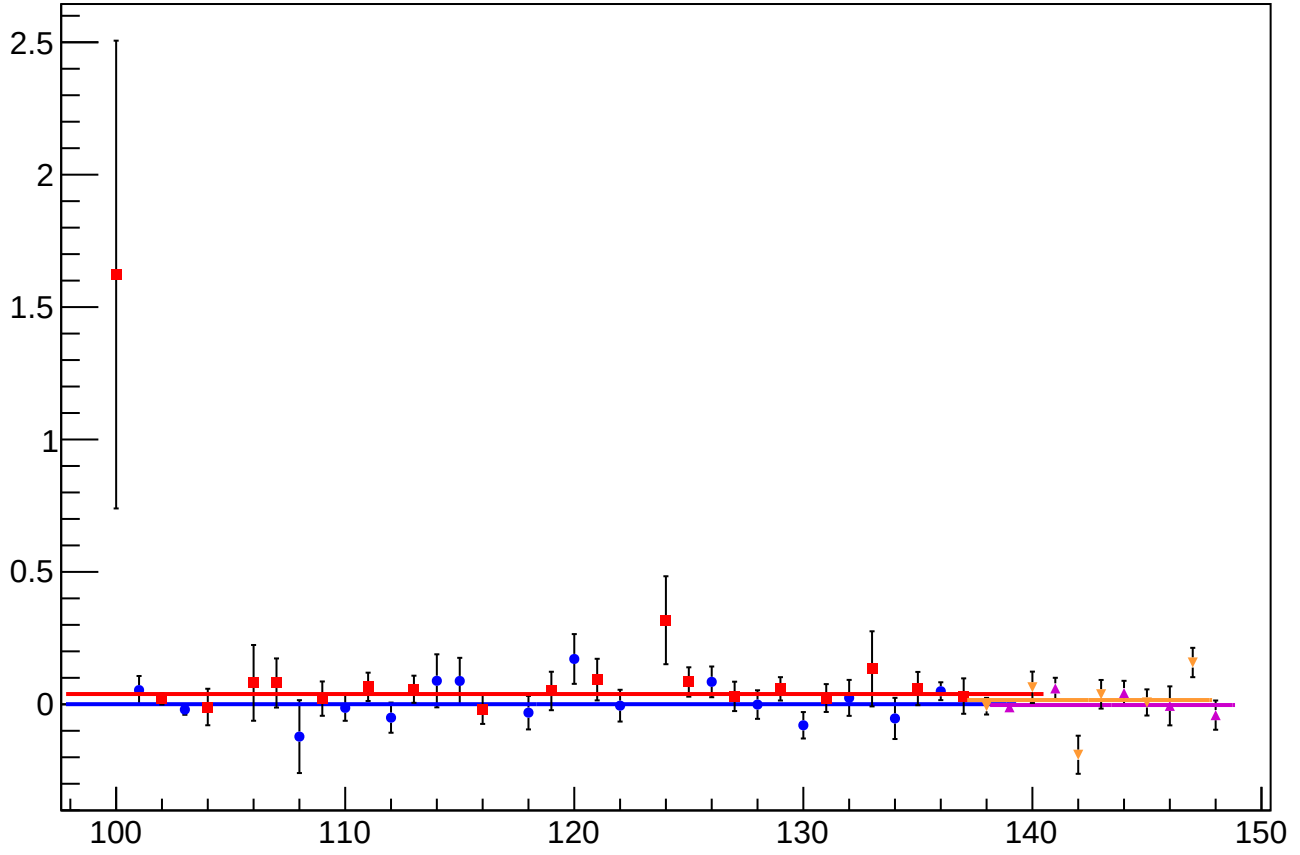
Left In: 0.002+/-0.000 χ^2/NDF:210314.1/4

+ sign 0.002+/-0.000 χ^2/NDF: 2575183.1/21

All: 0.002+/-0.000 χ^2/NDF: 7721837.6/45

- sign 0.002+/-0.000 χ^2/NDF: 4854770.3/23

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

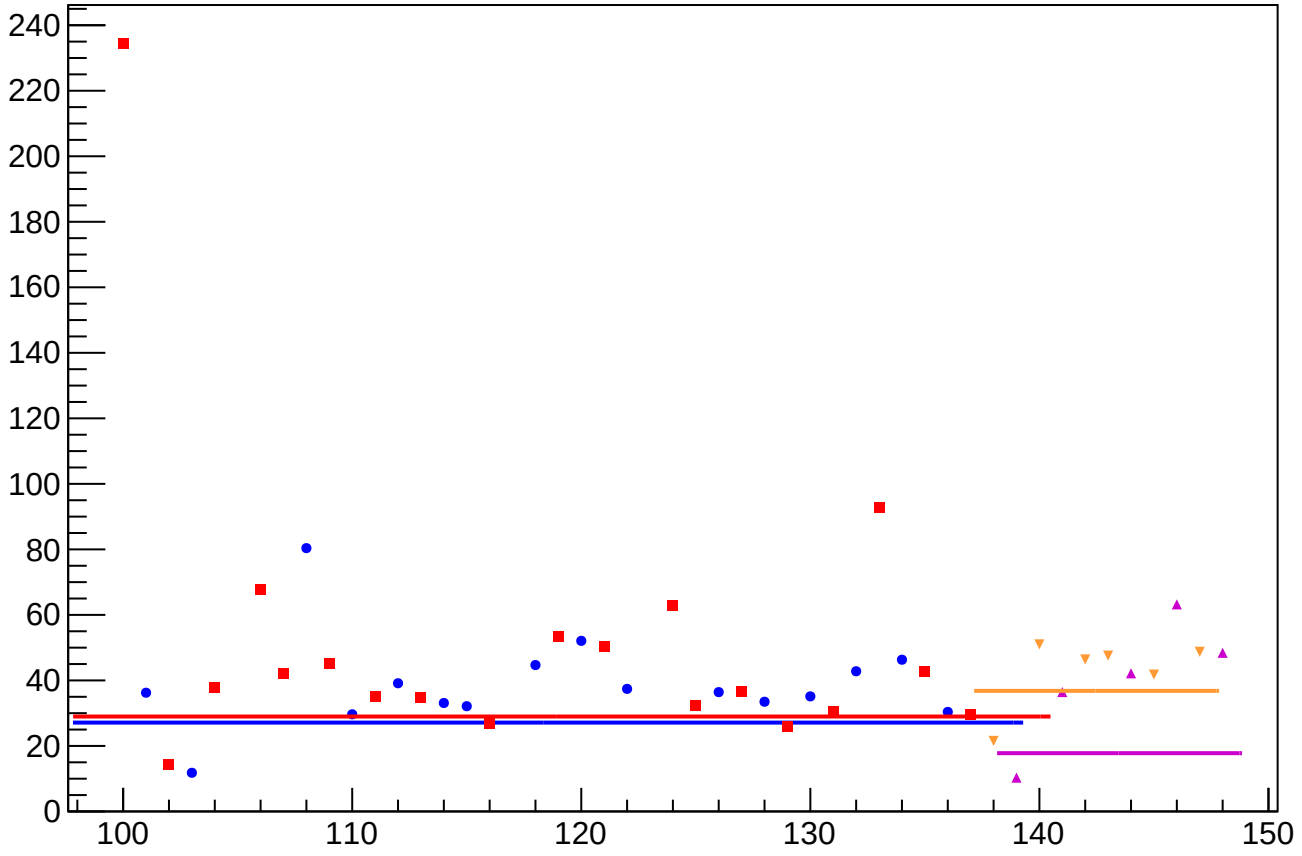
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 55.1/45

- sign 0.017+/-0.009 χ^2/NDF: 21.1/23

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

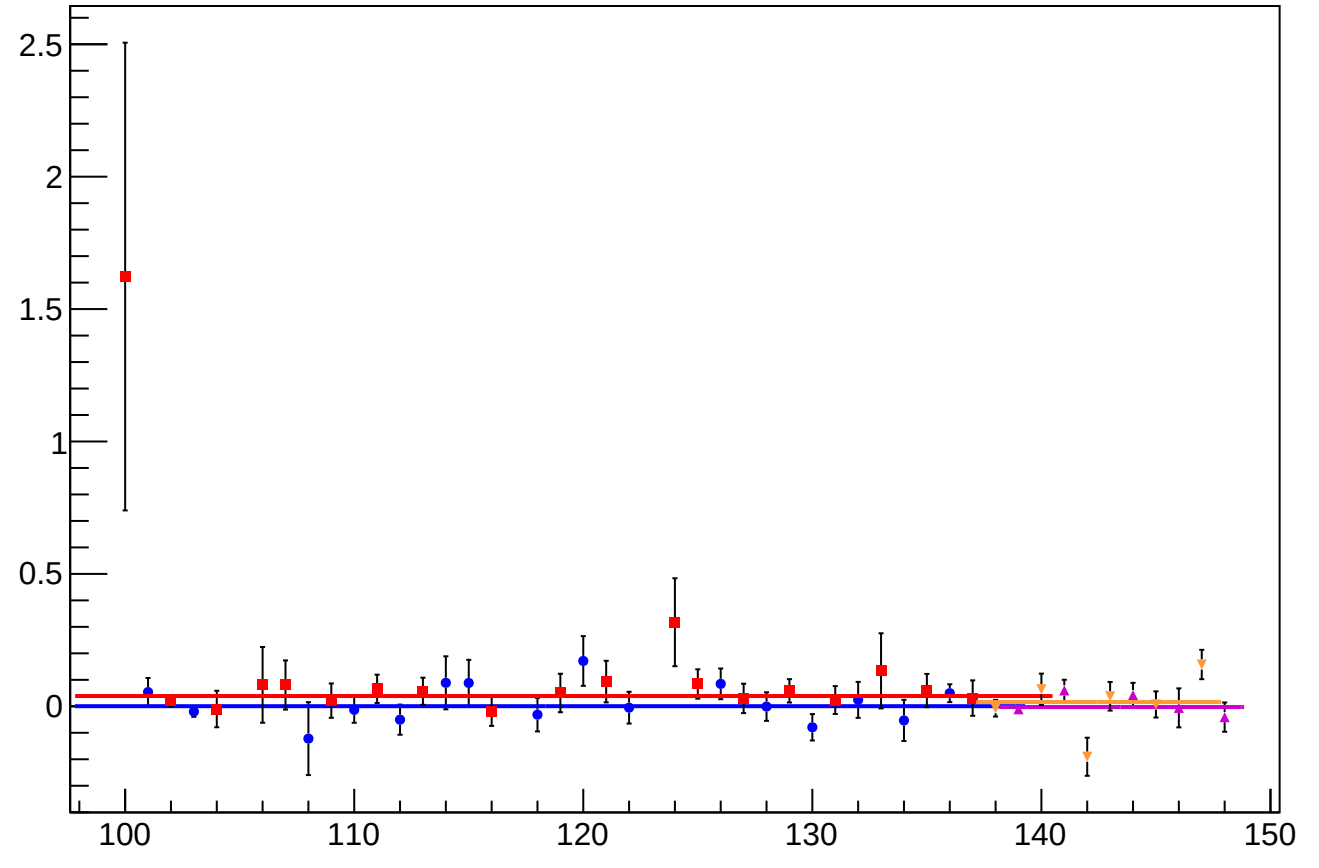
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

+ sign 29.755+/-0.007 χ^2/NDF: 3583792.3/21

All: 25.807+/-0.005 χ^2/NDF: 10363235.9/45

- sign 23.017+/-0.006 χ^2/NDF: 6275158.9/23



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

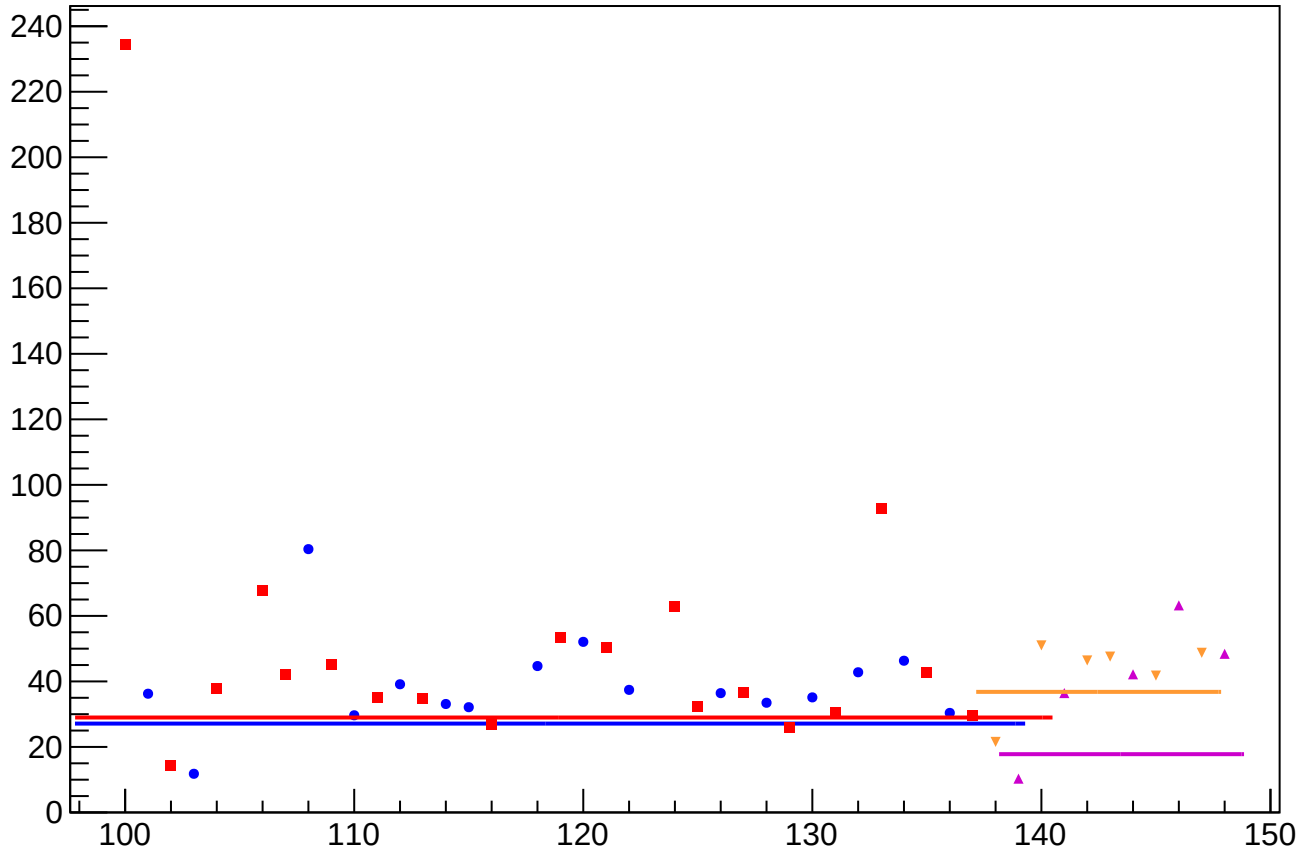
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.005+/-0.010 χ^2/NDF: 33.2/21

All: 0.012+/-0.007 χ^2/NDF: 55.1/45

- sign 0.017+/-0.009 χ^2/NDF: 21.1/23



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 36.810+/-0.014 χ^2/NDF:816722.3/5

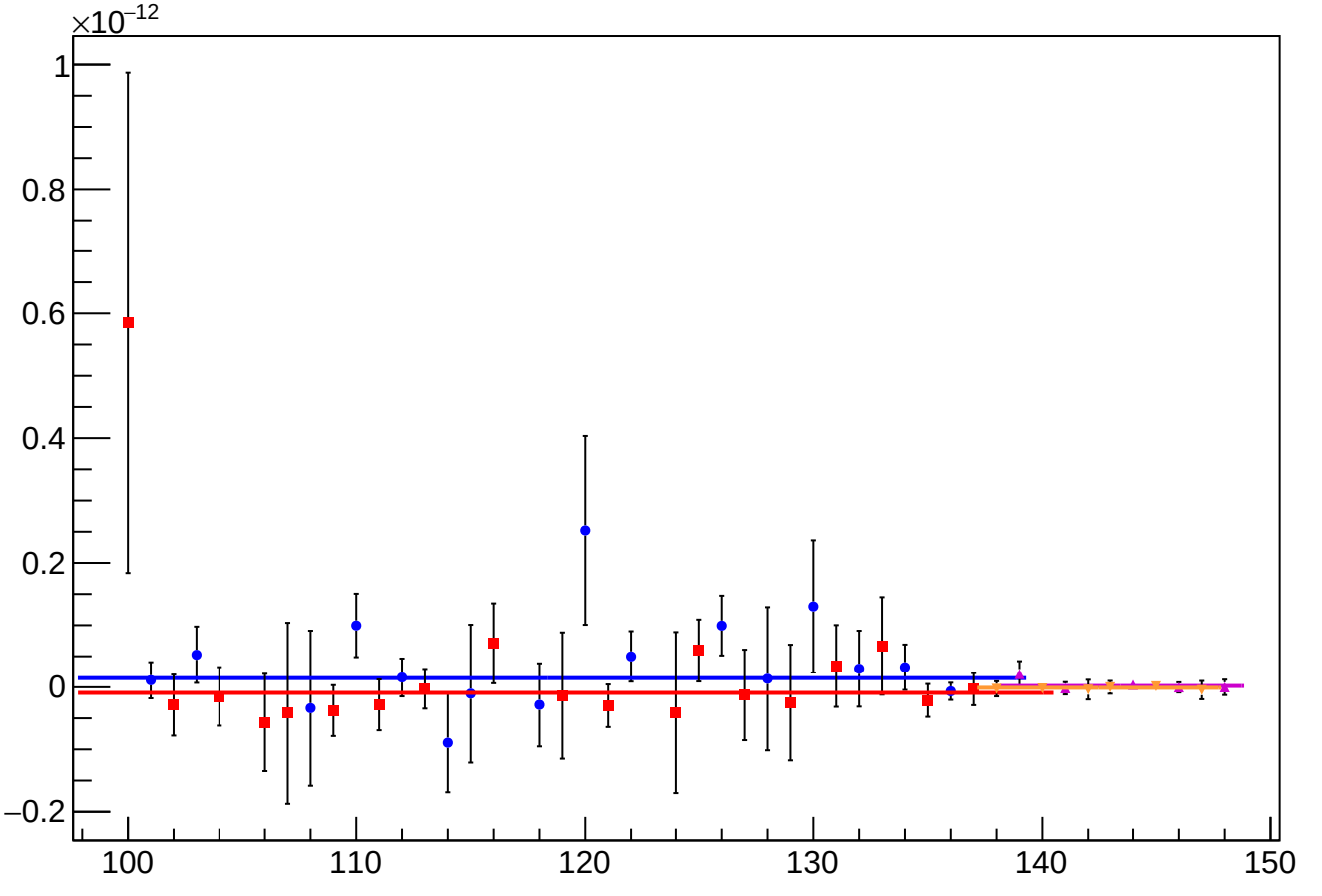
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

+ sign 29.755+/-0.007 χ^2/NDF: 3583792.3/21

All: 25.807+/-0.005 χ^2/NDF: 10363235.9/45

- sign 23.017+/-0.006 χ^2/NDF: 6275158.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/5

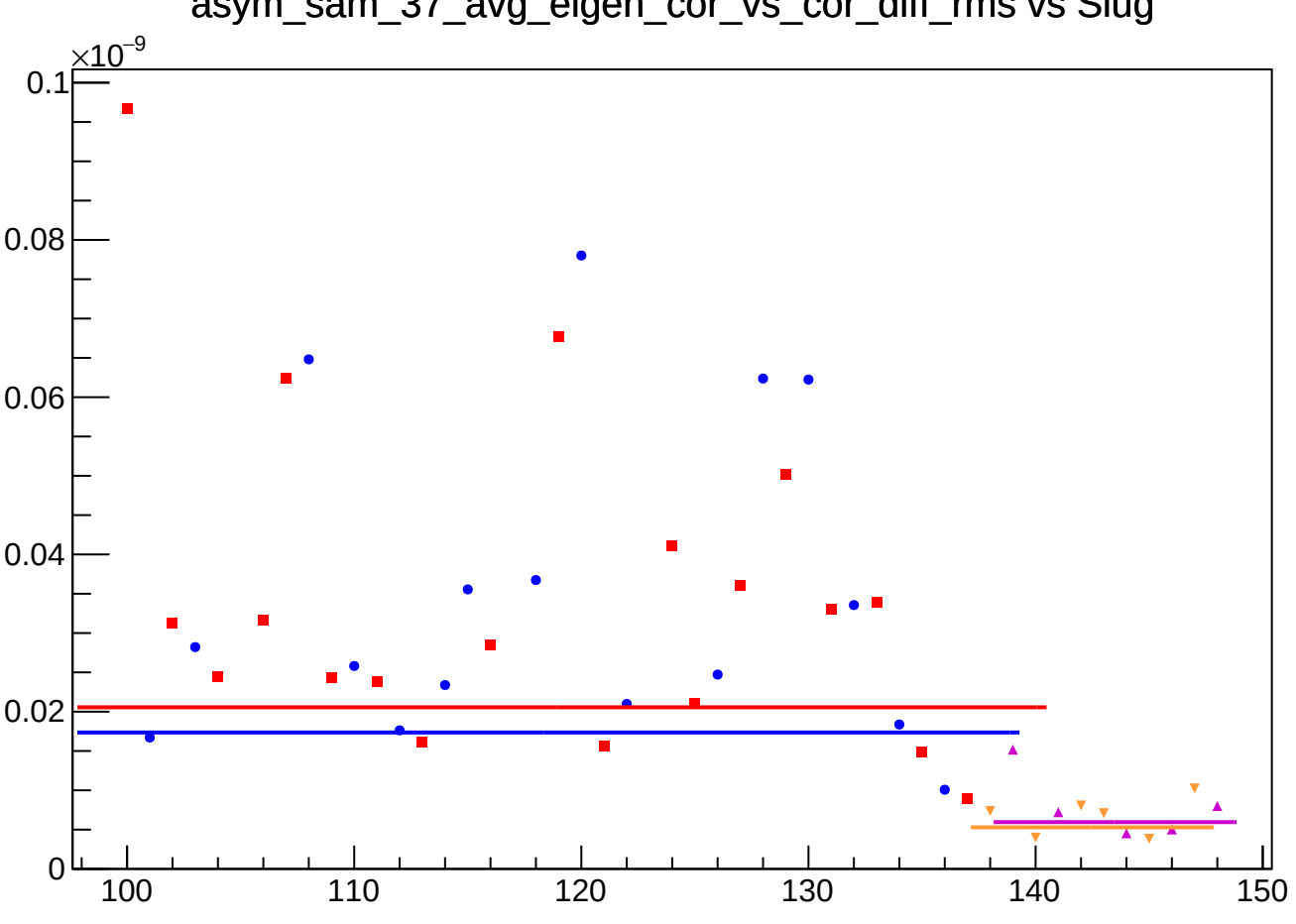
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 18.6/21

All: 0.000+/-0.000 χ^2/NDF: 29.7/45

- sign 0.000+/-0.000 χ^2/NDF: 11.1/23



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

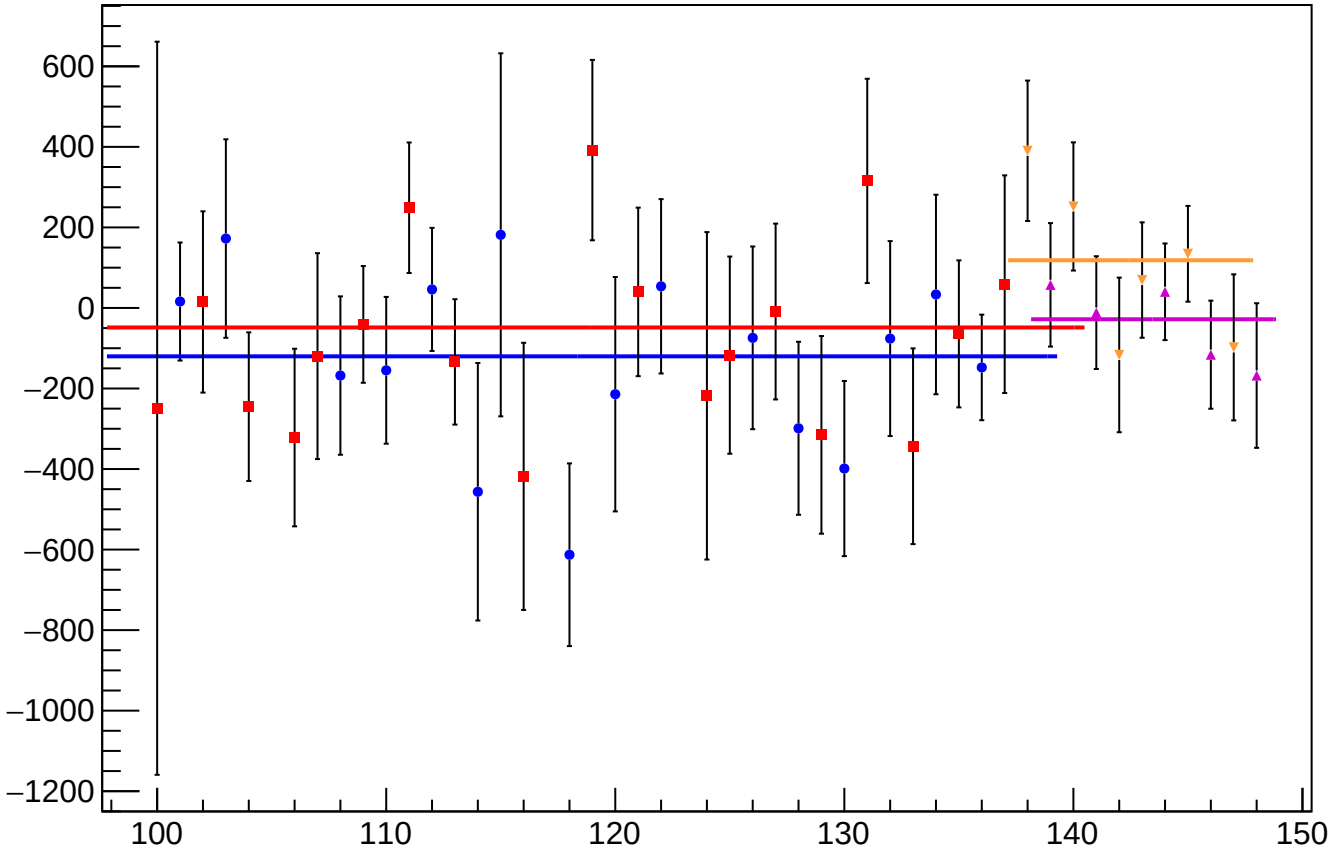
Left In: 0.000+/-0.000 χ^2/NDF:600900.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 5846473.8/21

All: 0.000+/-0.000 χ^2/NDF: 11603867.2/45

- sign 0.000+/-0.000 χ^2/NDF: 5695106.6/23

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

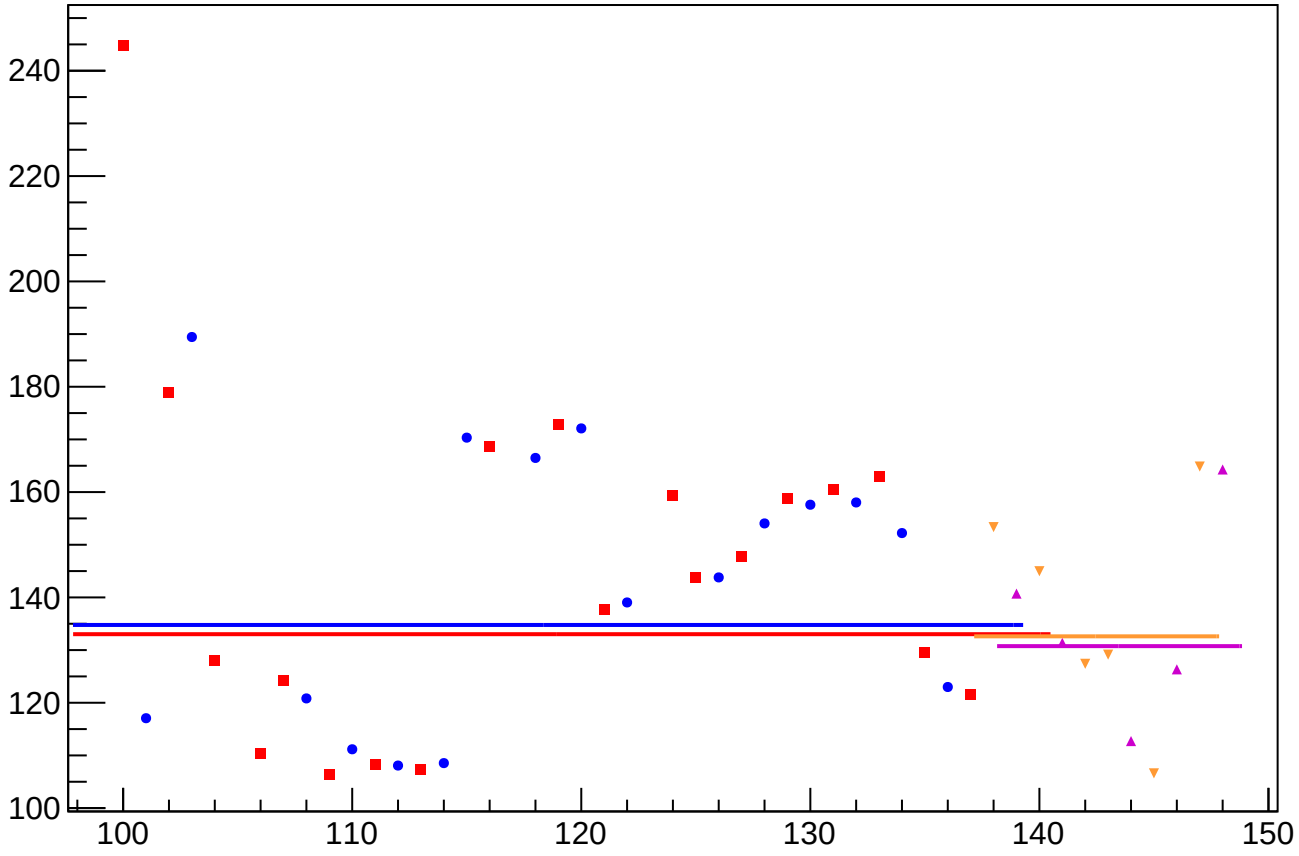
Left In: -28.091+/-63.298 χ^2/NDF:1.7/4

+ sign -26.048+/-39.769 χ^2/NDF: 28.2/21

All: -33.453+/-27.915 χ^2/NDF: 47.0/45

- sign -40.644+/-39.192 χ^2/NDF: 18.7/23

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

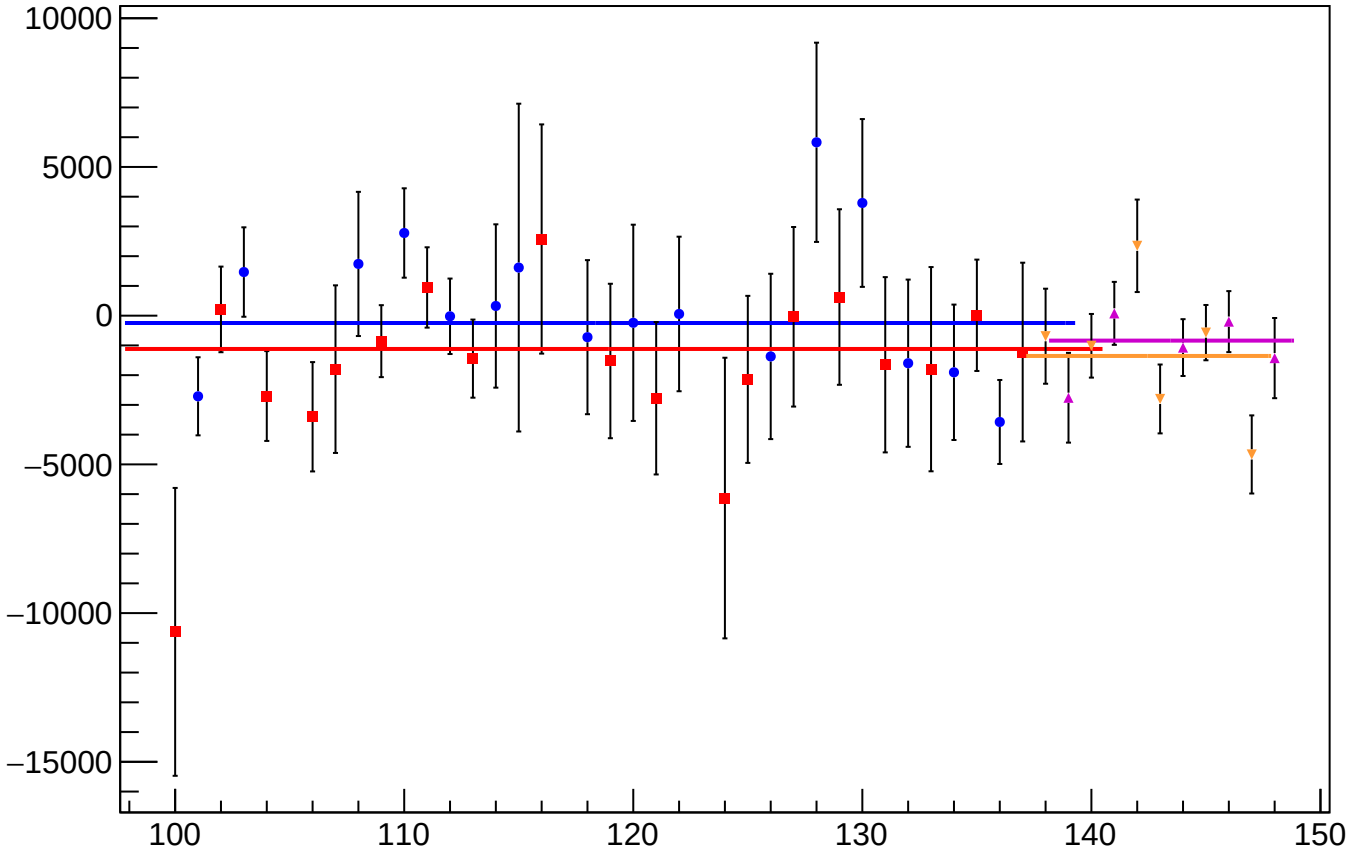
Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

+ sign 133.919+/-0.028 χ^2/NDF: 620175.5/21

All: 133.021+/-0.020 χ^2/NDF: 1245086.4/45

- sign 132.150+/-0.028 χ^2/NDF: 622903.0/23

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

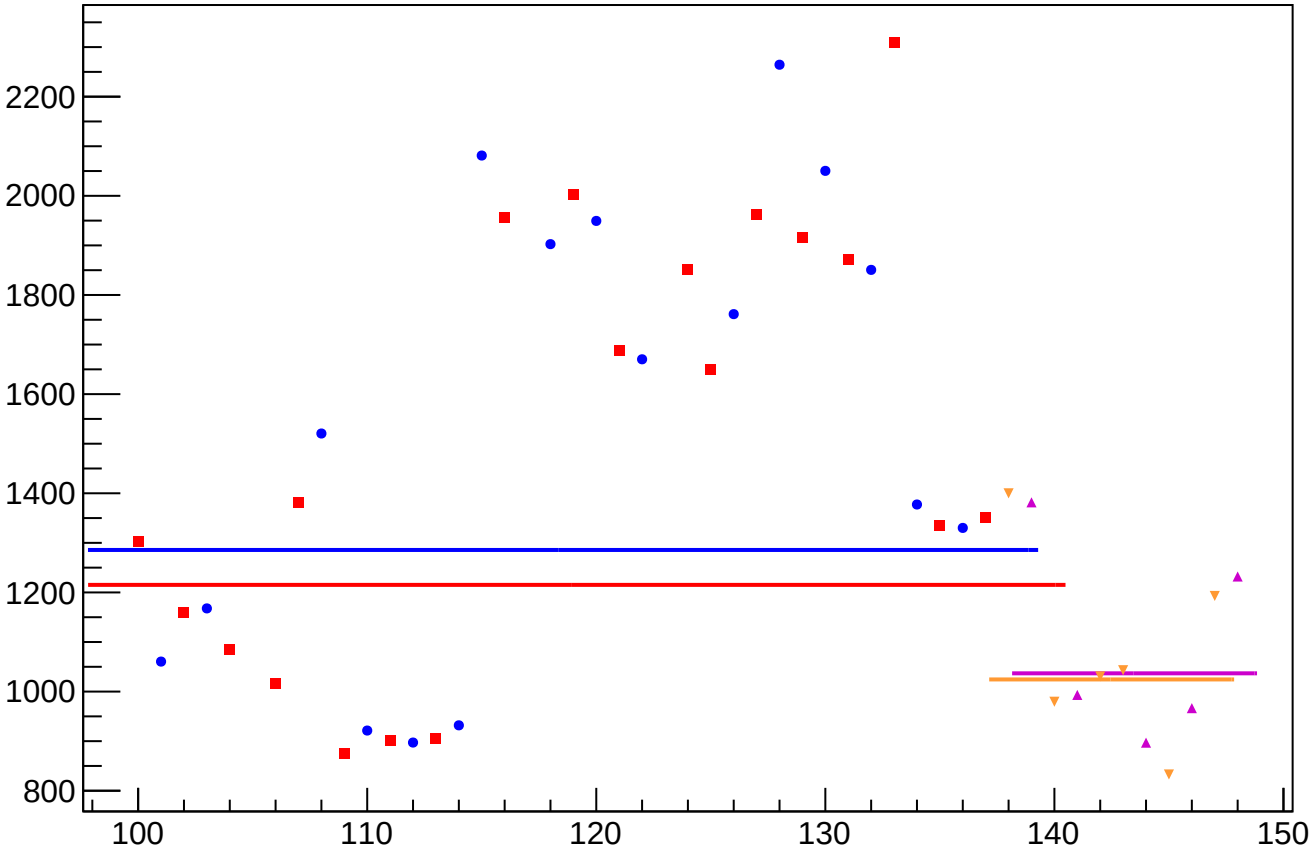
Left In: -838.589+/-504.529 χ^2/NDF:3.0/4

+ sign -813.035+/-350.503 χ^2/NDF: 38.7/21

All: -903.065+/-245.246 χ^2/NDF: 55.4/45

- sign -989.419+/-343.271 χ^2/NDF: 16.6/23

asym_sam_48_avg_reg_correction_rms vs Slug



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

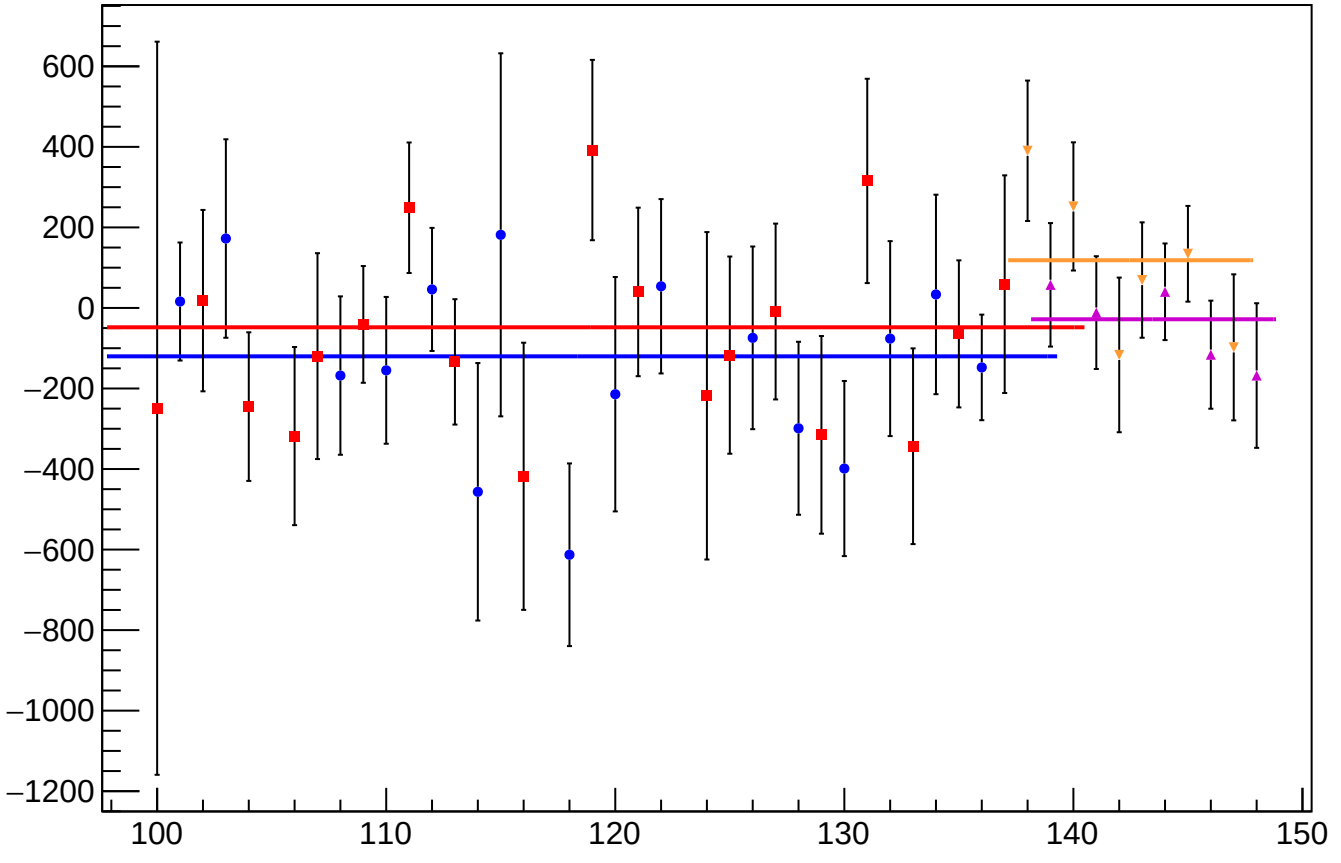
Left In: 1036.829+/-0.357 χ^2/NDF:202129.0/4

+ sign 1152.111+/-0.248 χ^2/NDF: 1680386.7/21

All: 1142.177+/-0.173 χ^2/NDF: 3406269.7/45

- sign 1132.649+/-0.243 χ^2/NDF: 1722735.7/23

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

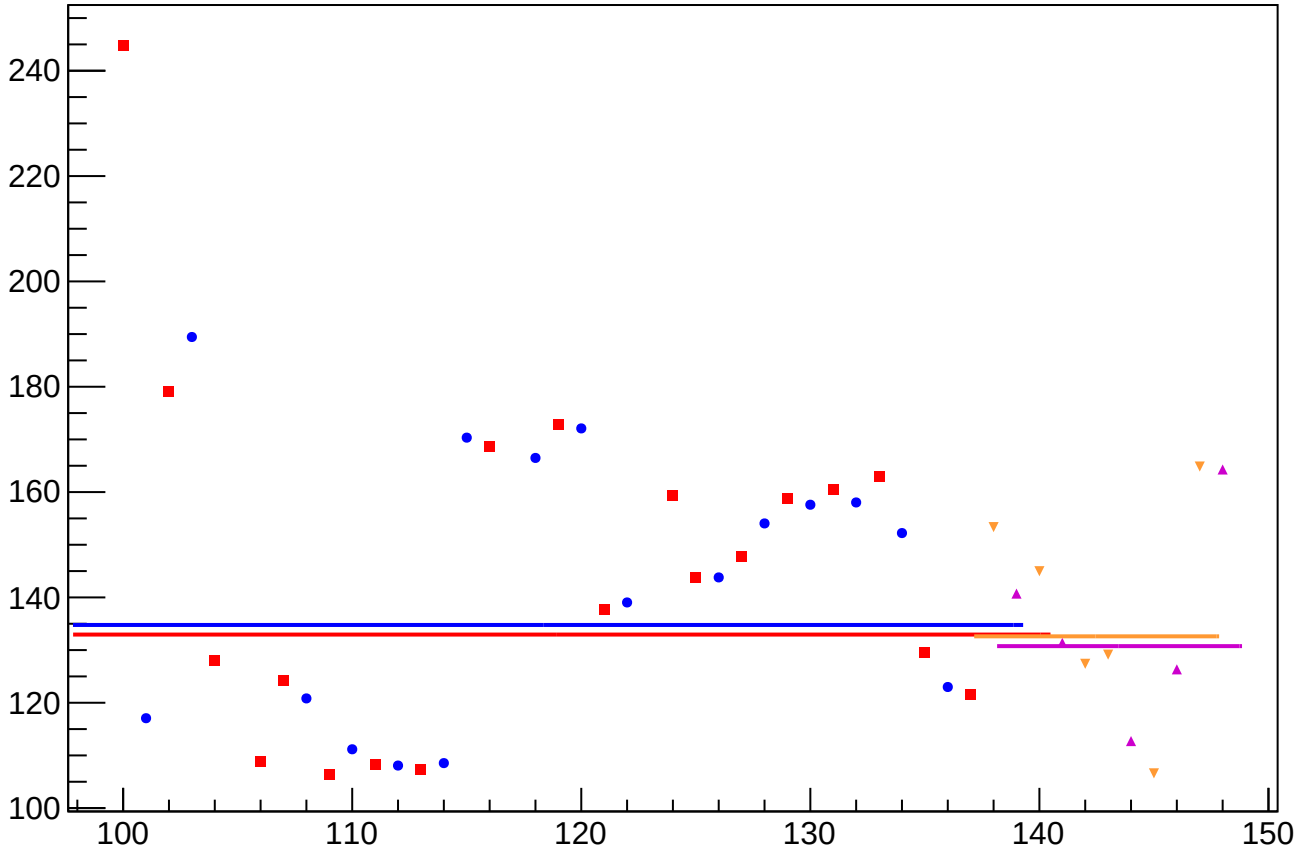
Left In: -28.104+/-63.298 χ^2/NDF:1.7/4

+ sign -26.045+/-39.769 χ^2/NDF: 28.2/21

All: -33.316+/-27.916 χ^2/NDF: 47.0/45

- sign -40.378+/-39.197 χ^2/NDF: 18.7/23

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

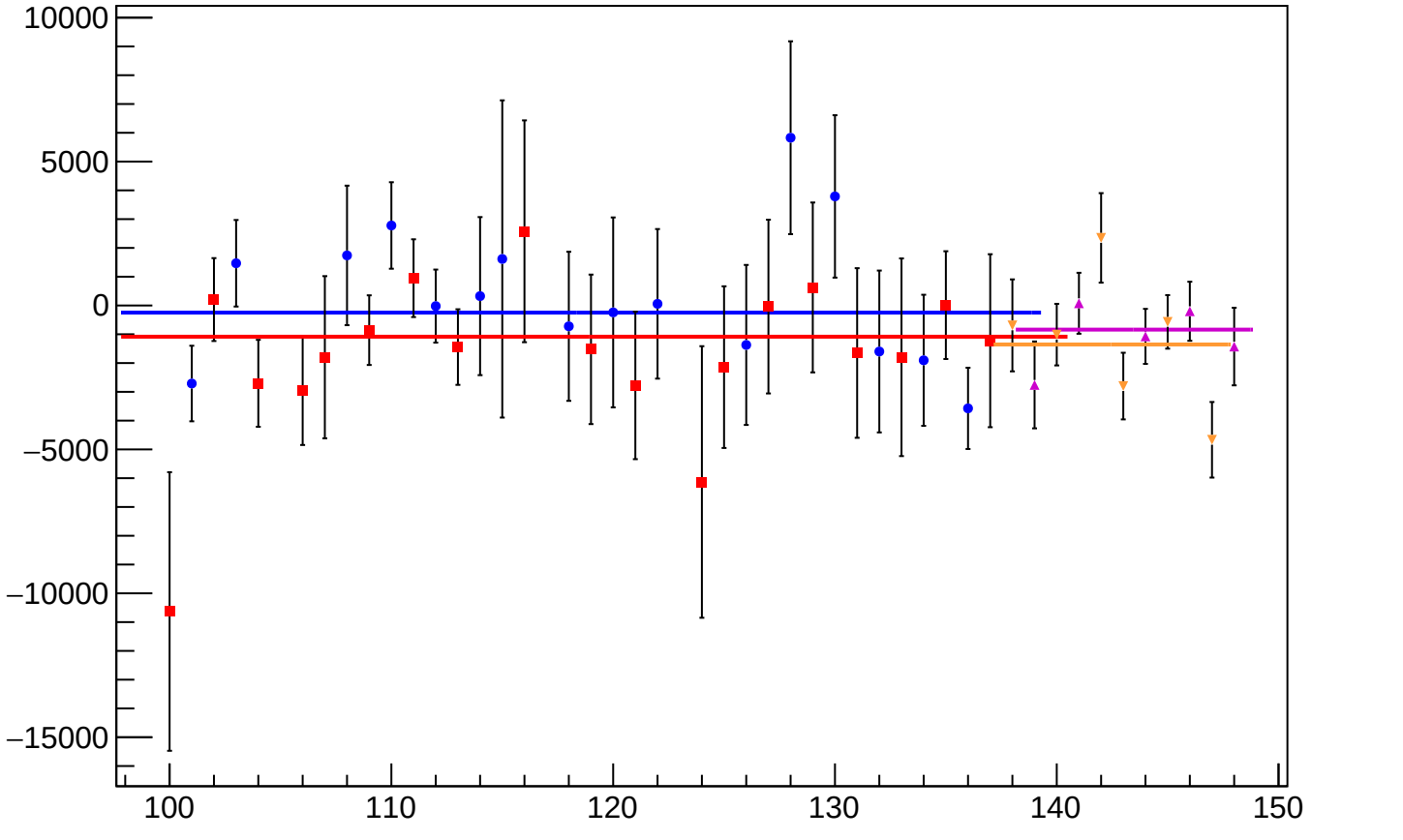
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

\+ sign 133.919+/-0.028 χ^2/NDF: 620178.6/21

All: 132.999+/-0.020 χ^2/NDF: 1248226.2/45

\- sign 132.105+/-0.028 χ^2/NDF: 625936.9/23



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

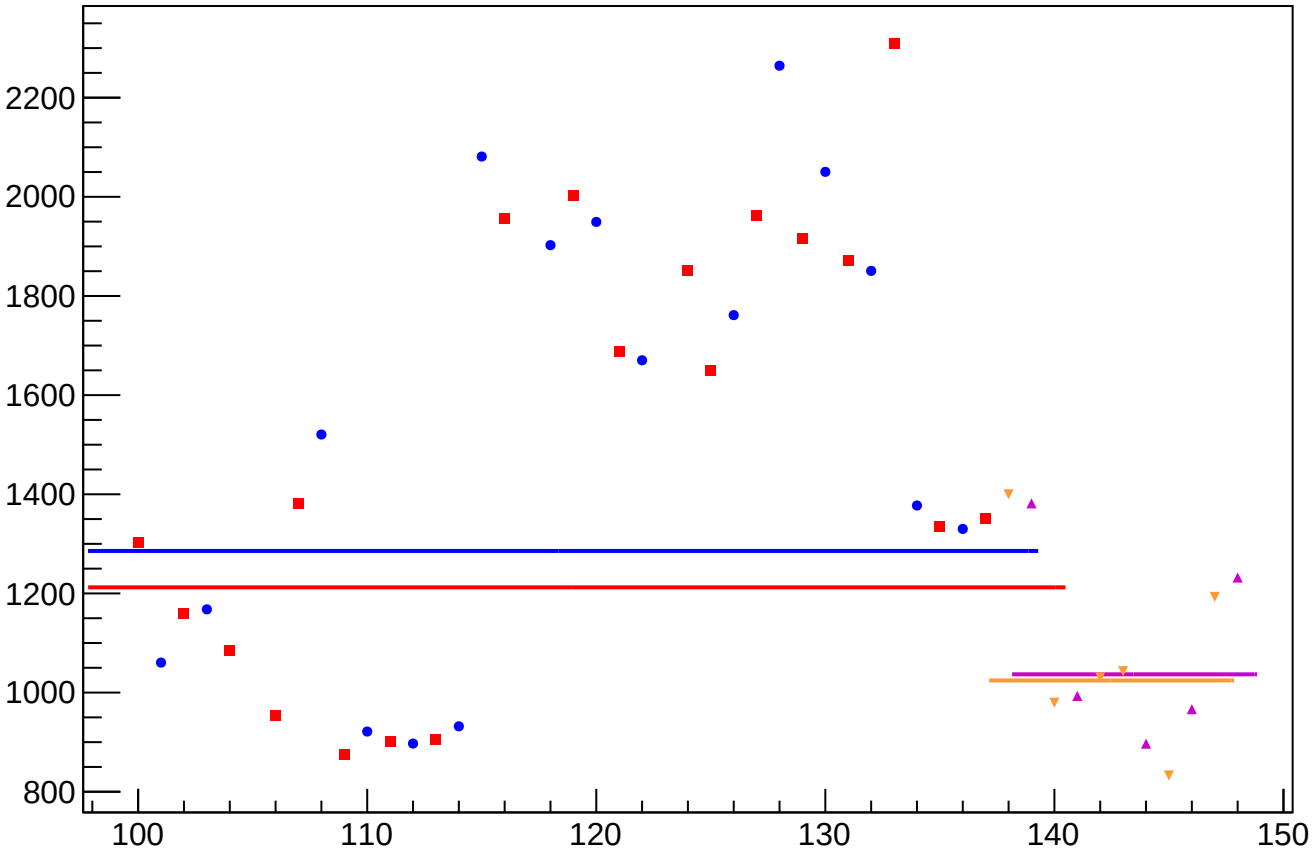
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -838.604+/-504.529 χ^2/NDF:3.0/4

+ sign -813.062+/-350.504 χ^2/NDF: 38.7/21

All: -893.192+/-245.379 χ^2/NDF: 54.7/45

- sign -970.212+/-343.634 χ^2/NDF: 15.9/23



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

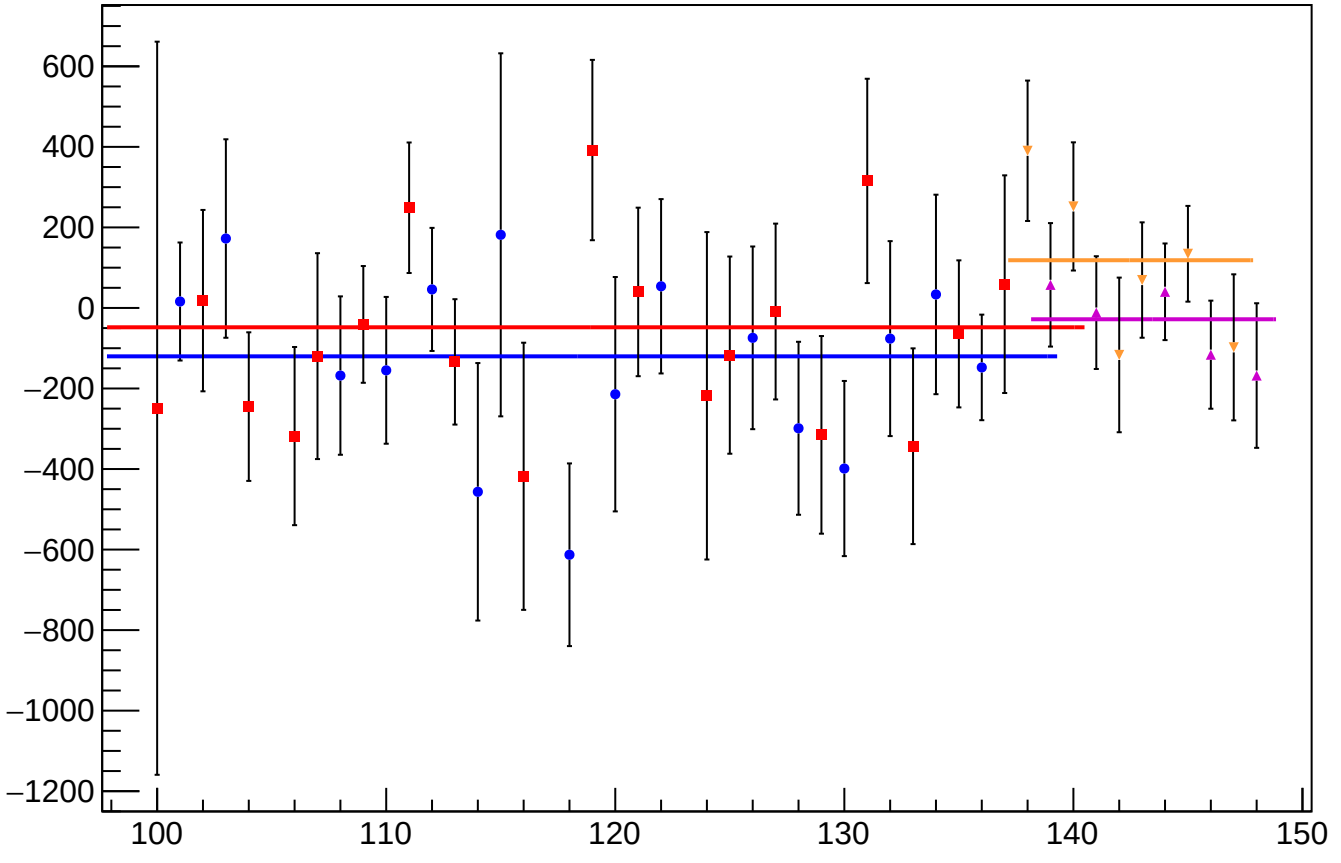
Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

+ sign 1152.116+/-0.248 χ^2/NDF: 1680390.8/21

All: 1141.291+/-0.174 χ^2/NDF: 3416550.8/45

- sign 1130.887+/-0.243 χ^2/NDF: 1732419.1/23

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

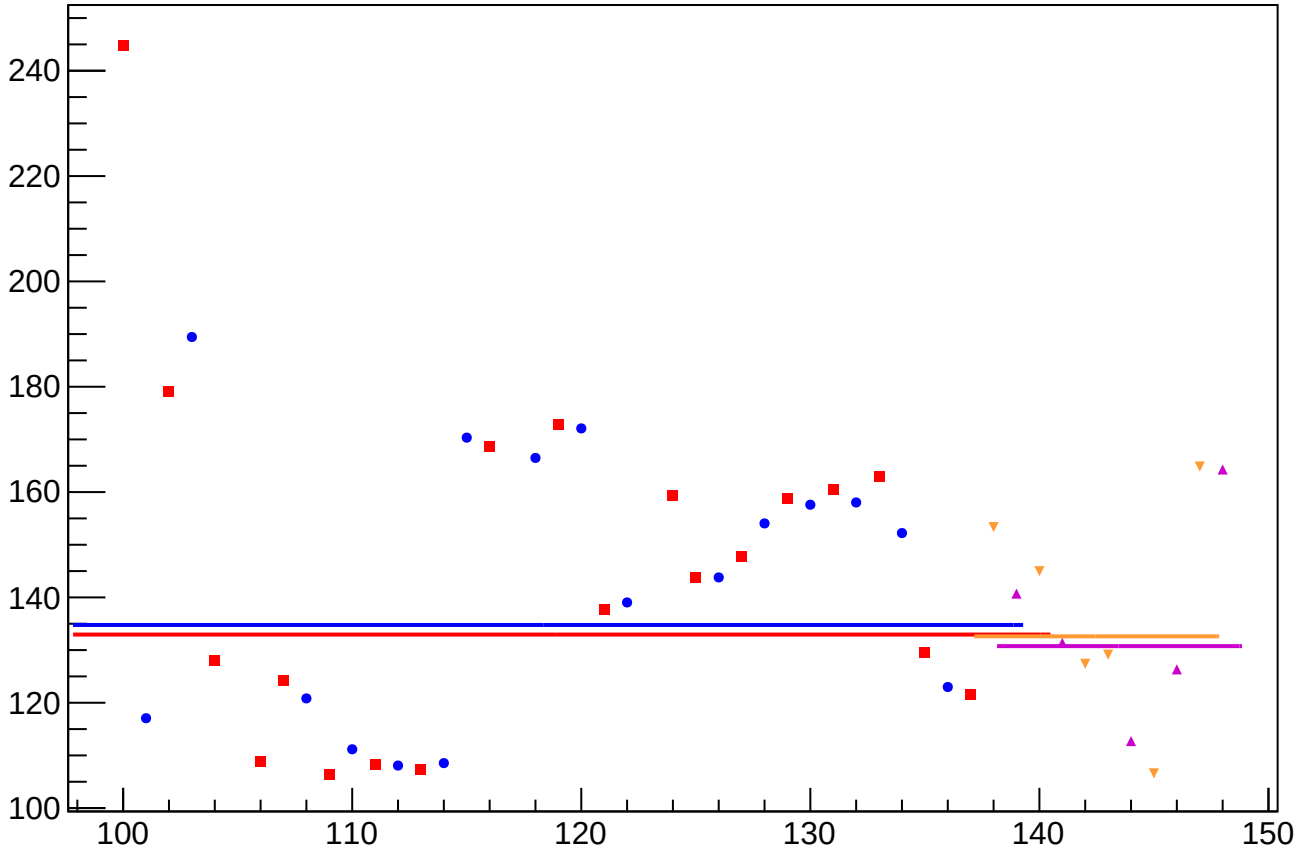
Left In: -28.104+/-63.298 χ^2/NDF:1.7/4

+ sign -26.045+/-39.769 χ^2/NDF: 28.2/21

All: -33.316+/-27.916 χ^2/NDF: 47.0/45

- sign -40.378+/-39.197 χ^2/NDF: 18.7/23

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

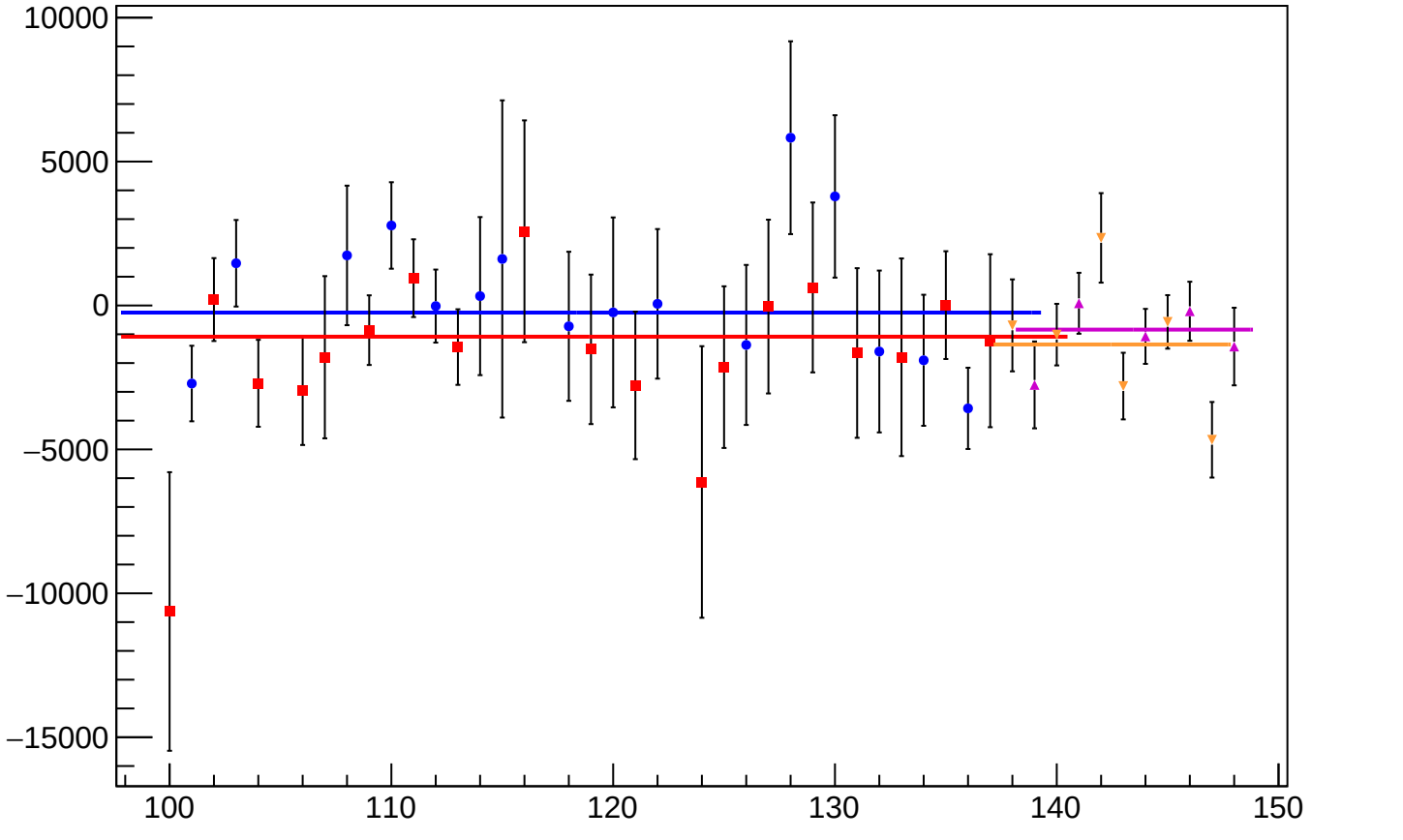
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

+ sign 133.919+/-0.028 χ^2/NDF: 620178.6/21

All: 132.999+/-0.020 χ^2/NDF: 1248226.2/45

- sign 132.105+/-0.028 χ^2/NDF: 625936.9/23



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

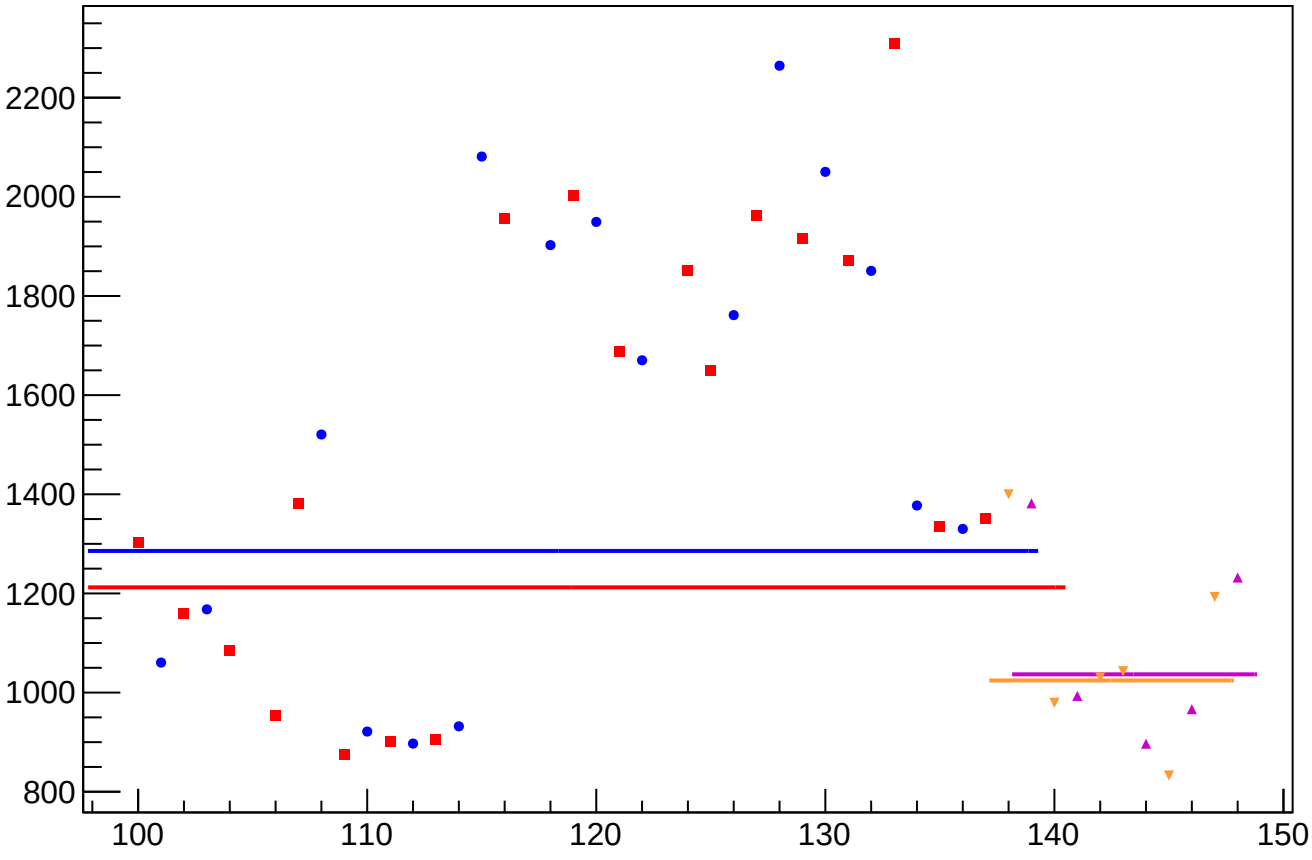
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -838.604+/-504.529 χ^2/NDF:3.0/4

\+ sign -813.062+/-350.504 χ^2/NDF: 38.7/21

All: -893.192+/-245.379 χ^2/NDF: 54.7/45

\- sign -970.212+/-343.634 χ^2/NDF: 15.9/23



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

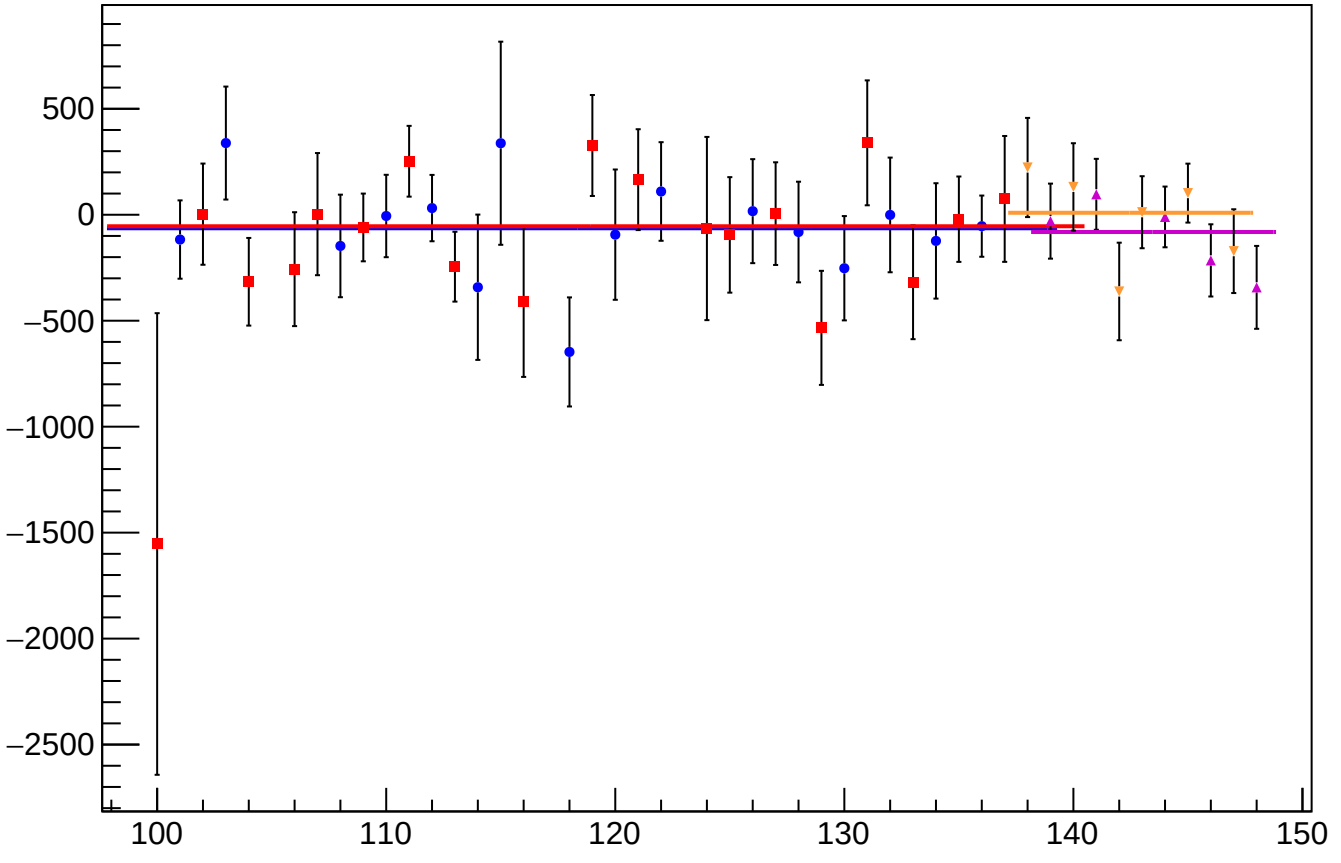
Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

+ sign 1152.116+/-0.248 χ^2/NDF: 1680390.8/21

All: 1141.291+/-0.174 χ^2/NDF: 3416550.8/45

- sign 1130.887+/-0.243 χ^2/NDF: 1732419.1/23

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

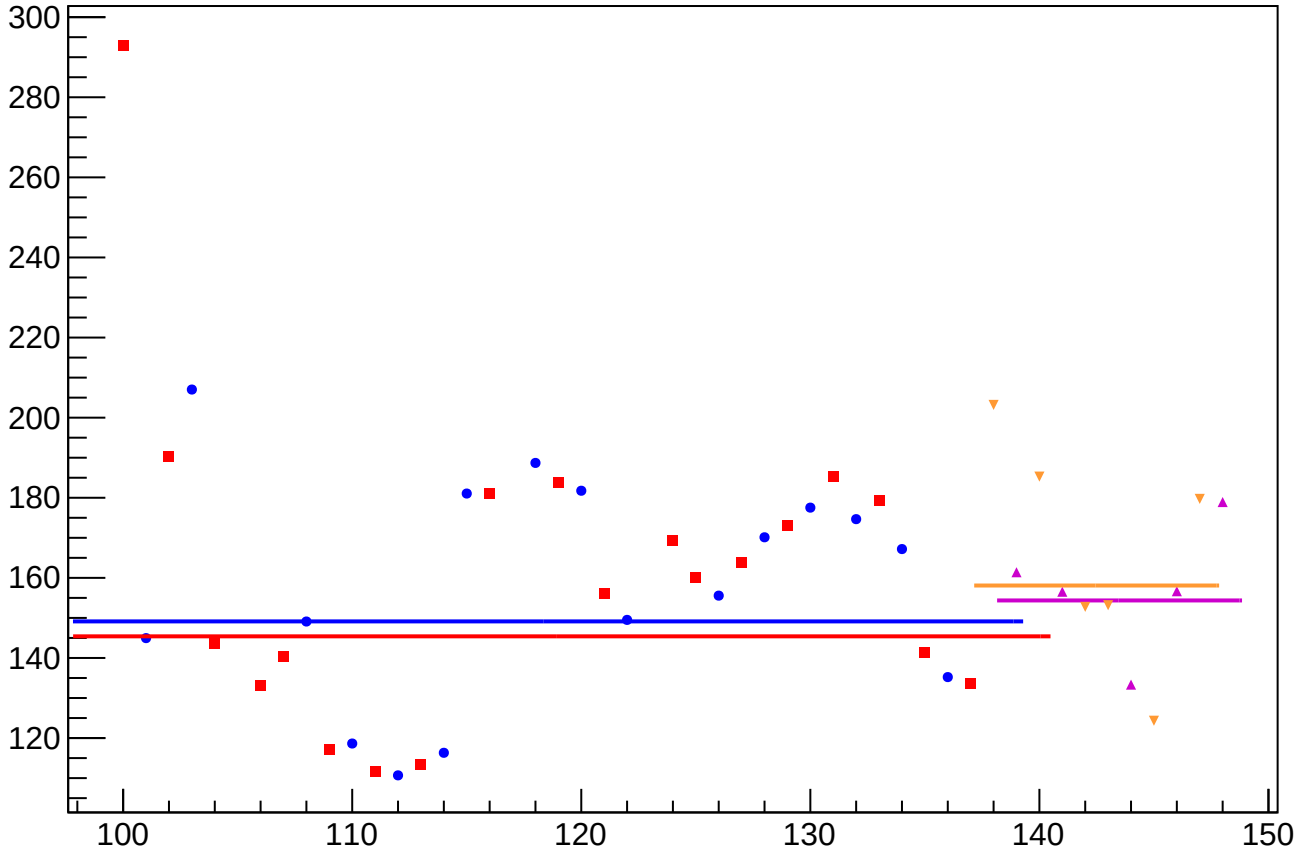
Left In: -81.339+/-75.176 χ^2/NDF:3.9/4

+ sign -37.643+/-45.489 χ^2/NDF: 16.5/21

All: -51.016+/-31.720 χ^2/NDF: 40.1/45

- sign -63.673+/-44.253 χ^2/NDF: 23.5/23

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

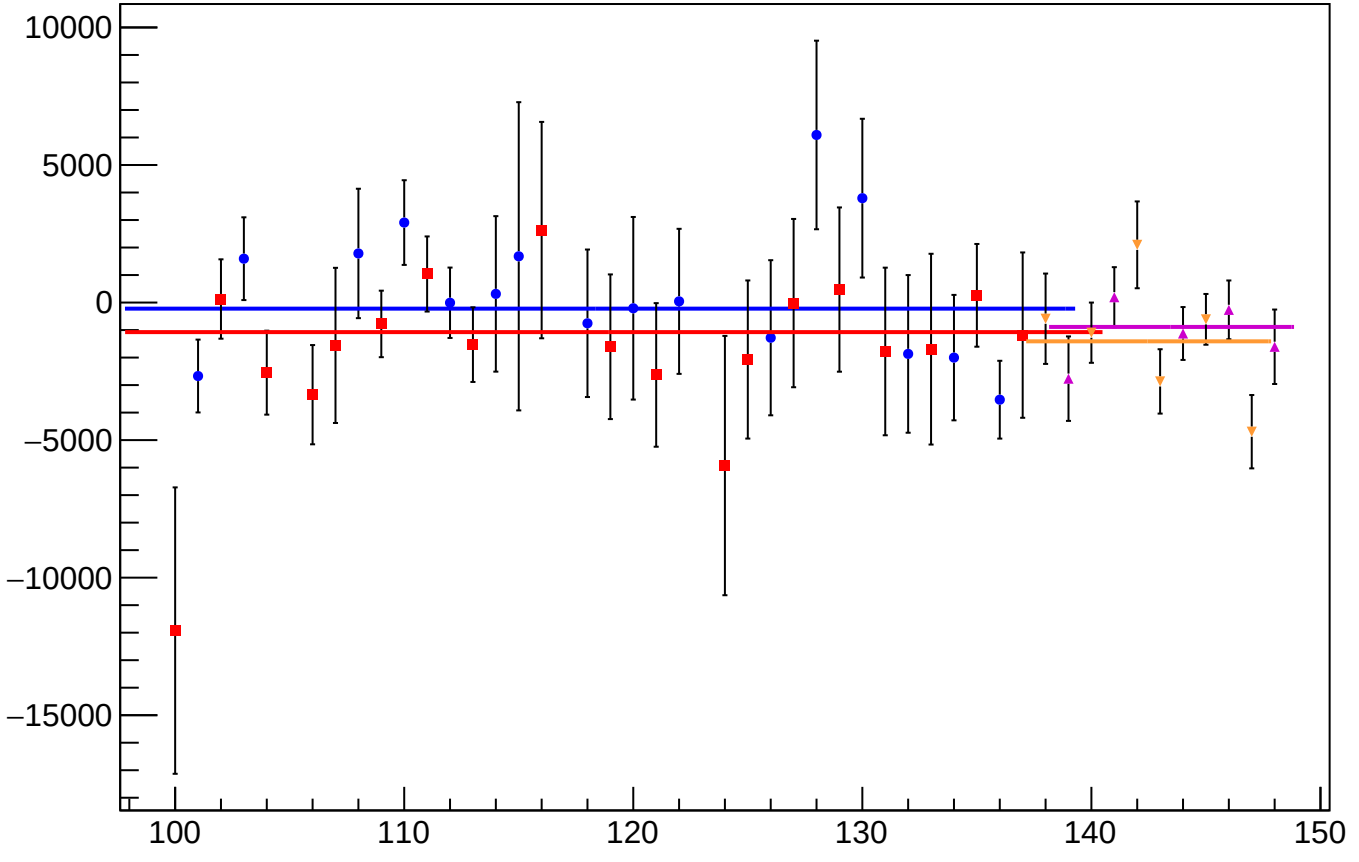
Left In: 154.362+/-0.053 χ^2/NDF:78487.9/4

+ sign 152.330+/-0.032 χ^2/NDF: 722440.0/21

All: 150.365+/-0.022 χ^2/NDF: 1352589.3/45

- sign 148.505+/-0.031 χ^2/NDF: 622884.3/23

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

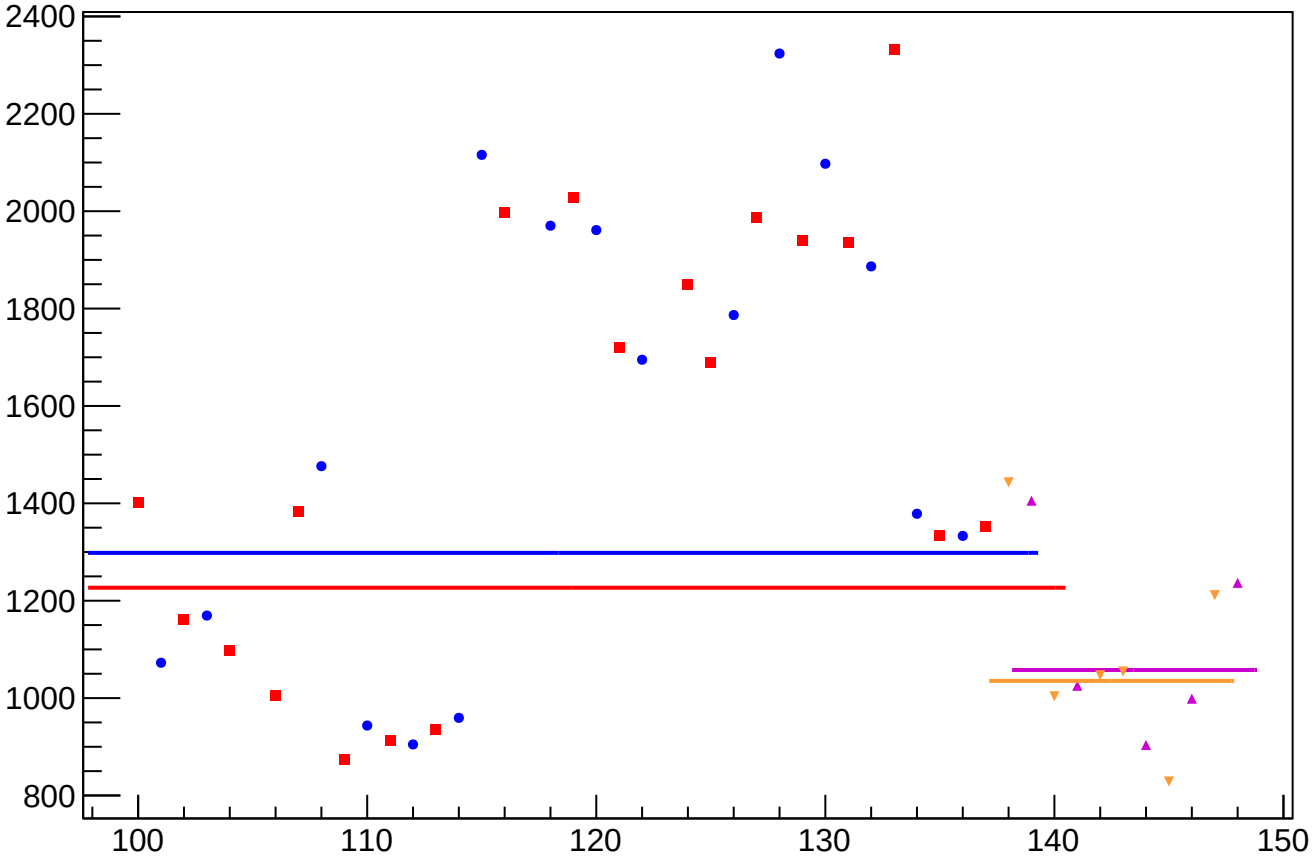
Left In: -886.036+/-515.149 χ^2/NDF:3.2/4

+ sign -828.212+/-354.068 χ^2/NDF: 38.3/21

All: -909.558+/-248.313 χ^2/NDF: 55.3/45

- sign -988.292+/-348.337 χ^2/NDF: 16.8/23

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

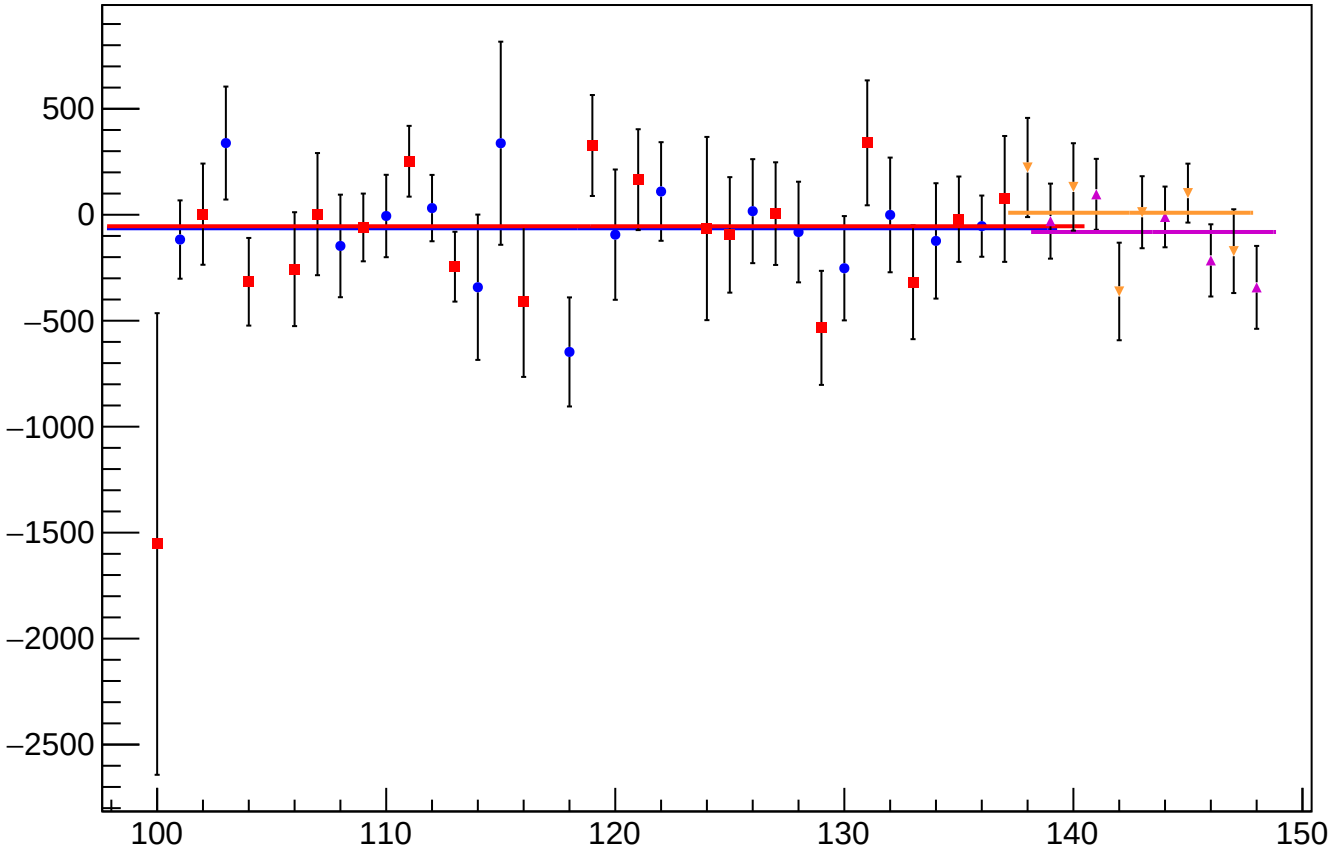
Left In: 1057.718+/-0.364 χ^2/NDF:196827.2/4

+ sign 1163.994+/-0.250 χ^2/NDF: 1718510.1/21

All: 1156.604+/-0.176 χ^2/NDF: 3438418.0/45

- sign 1149.452+/-0.246 χ^2/NDF: 1718193.4/23

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

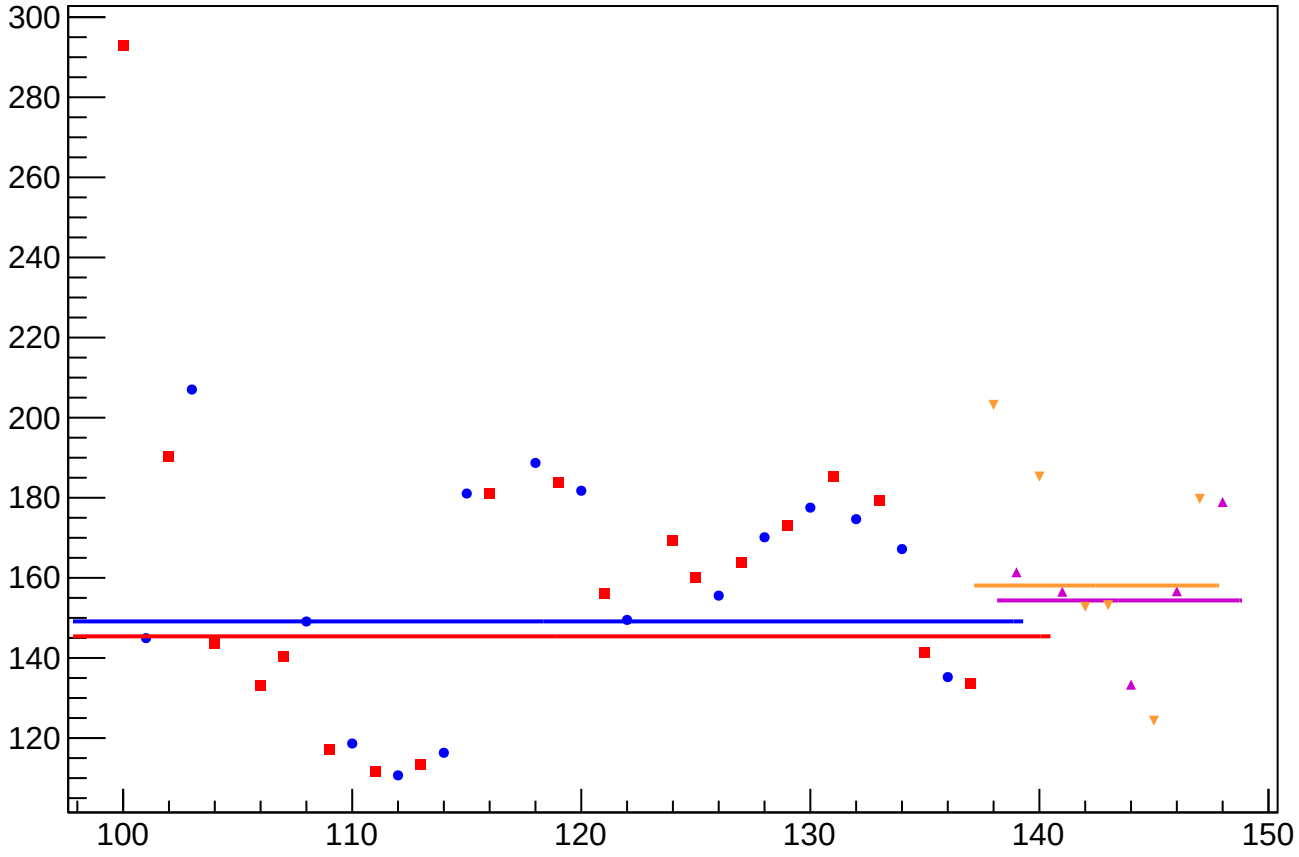
Left In: -81.339+/-75.176 χ^2/NDF:3.9/4

\+ sign -37.642+/-45.489 χ^2/NDF: 16.5/21

All: -51.015+/-31.720 χ^2/NDF: 40.1/45

\- sign -63.672+/-44.253 χ^2/NDF: 23.5/23

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

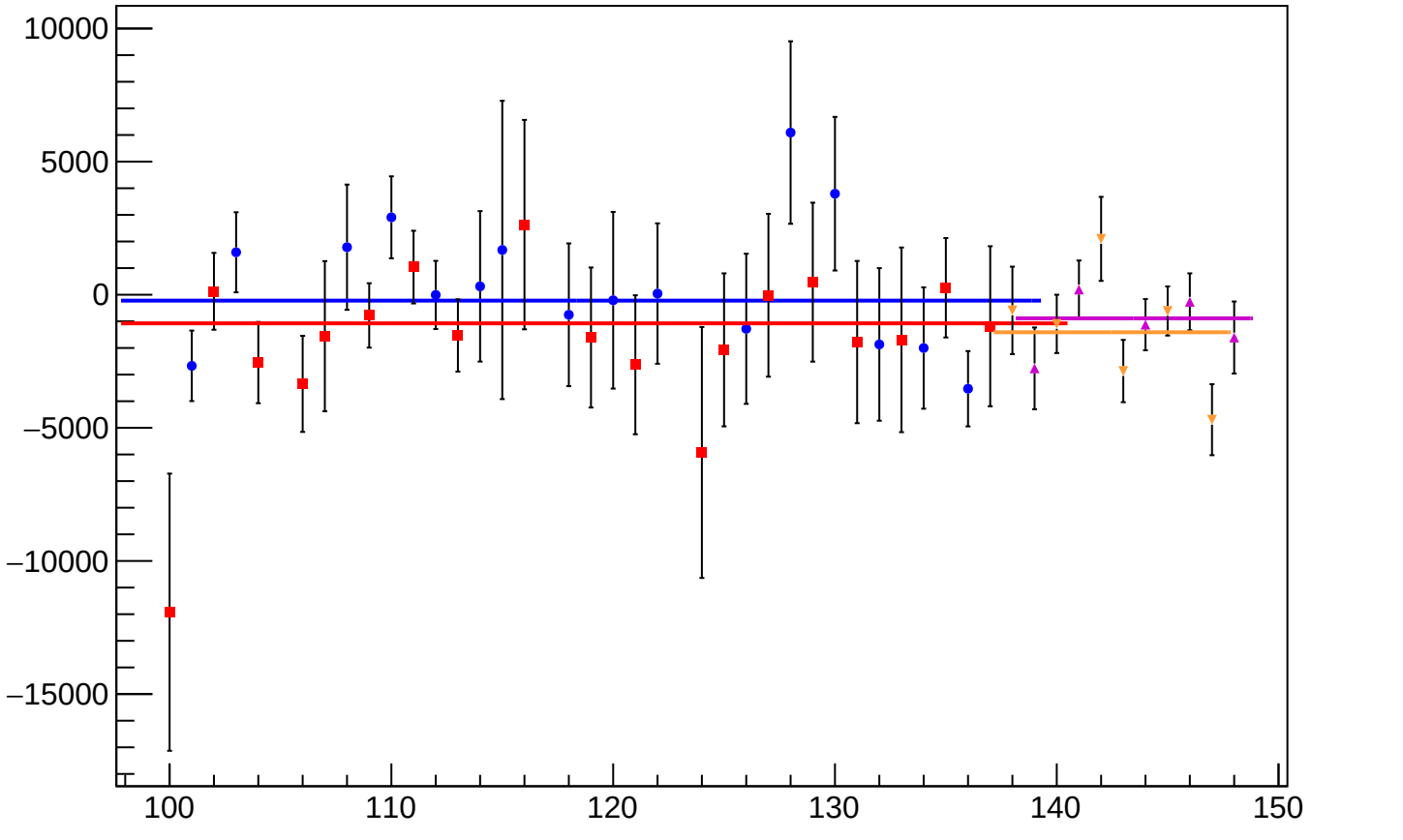
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.362+/-0.053 χ^2/NDF:78486.3/4

+ sign 152.330+/-0.032 χ^2/NDF: 722437.2/21

All: 150.365+/-0.022 χ^2/NDF: 1352589.1/45

- sign 148.505+/-0.031 χ^2/NDF: 622886.7/23



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1409.621+/-495.427 χ^2/NDF:13.6/5

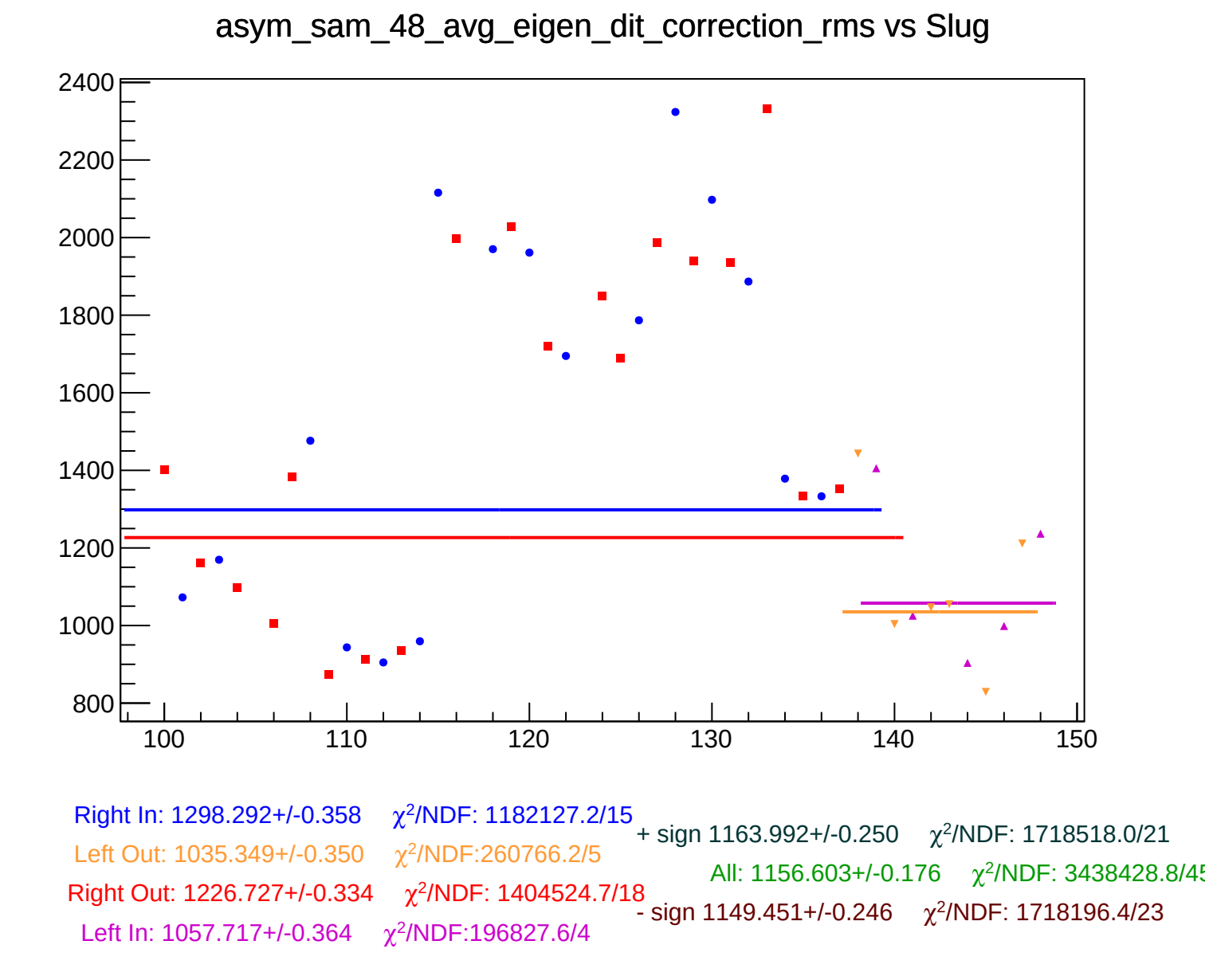
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -886.036+/-515.148 χ^2/NDF:3.2/4

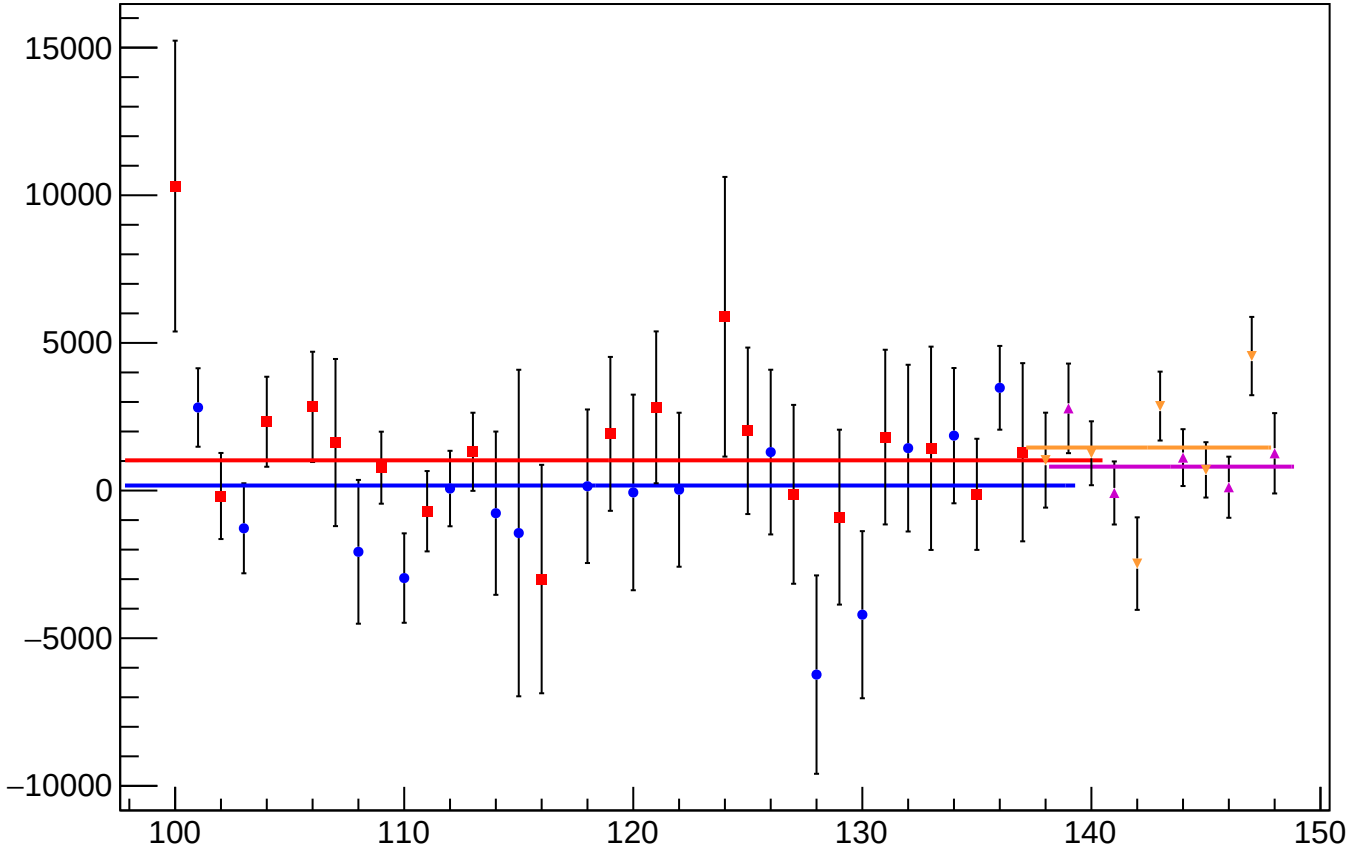
+ sign -828.211+/-354.068 χ^2/NDF: 38.3/21

All: -909.557+/-248.313 χ^2/NDF: 55.3/45

- sign -988.292+/-348.337 χ^2/NDF: 16.8/23


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1035.349+/-0.350 χ²/NDF:260766.2/5
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1057.717+/-0.364 χ²/NDF:196827.6/4
+ sign 1163.992+/-0.250 χ²/NDF: 1718518.0/21
All: 1156.603+/-0.176 χ²/NDF: 3438428.8/45
- sign 1149.451+/-0.246 χ²/NDF: 1718196.4/23

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

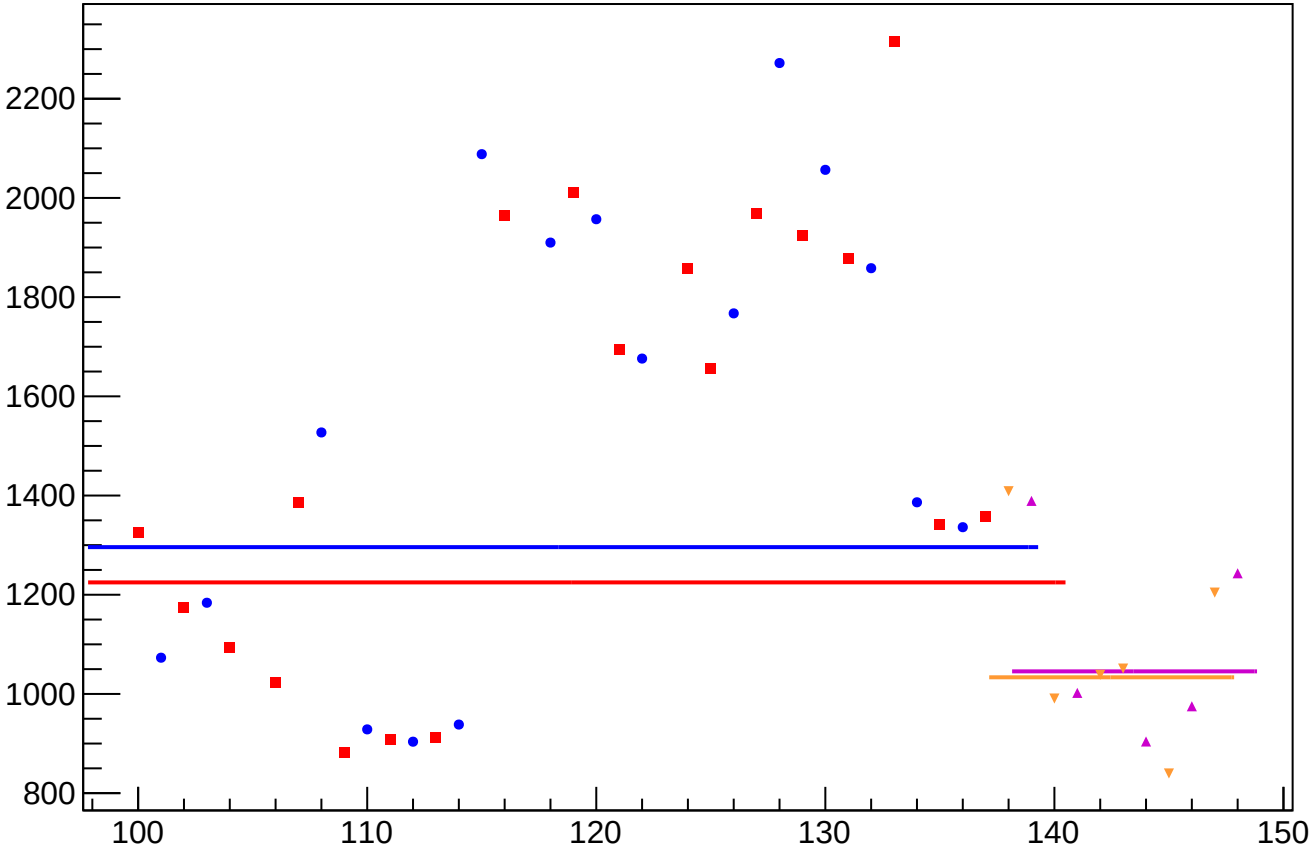
Left In: 809.929+/-508.685 χ^2/NDF:3.1/4

\+ sign 827.925+/-353.341 χ^2/NDF: 39.8/21

All: 877.378+/-247.214 χ^2/NDF: 54.6/45

\- sign 924.797+/-346.001 χ^2/NDF: 14.7/23

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

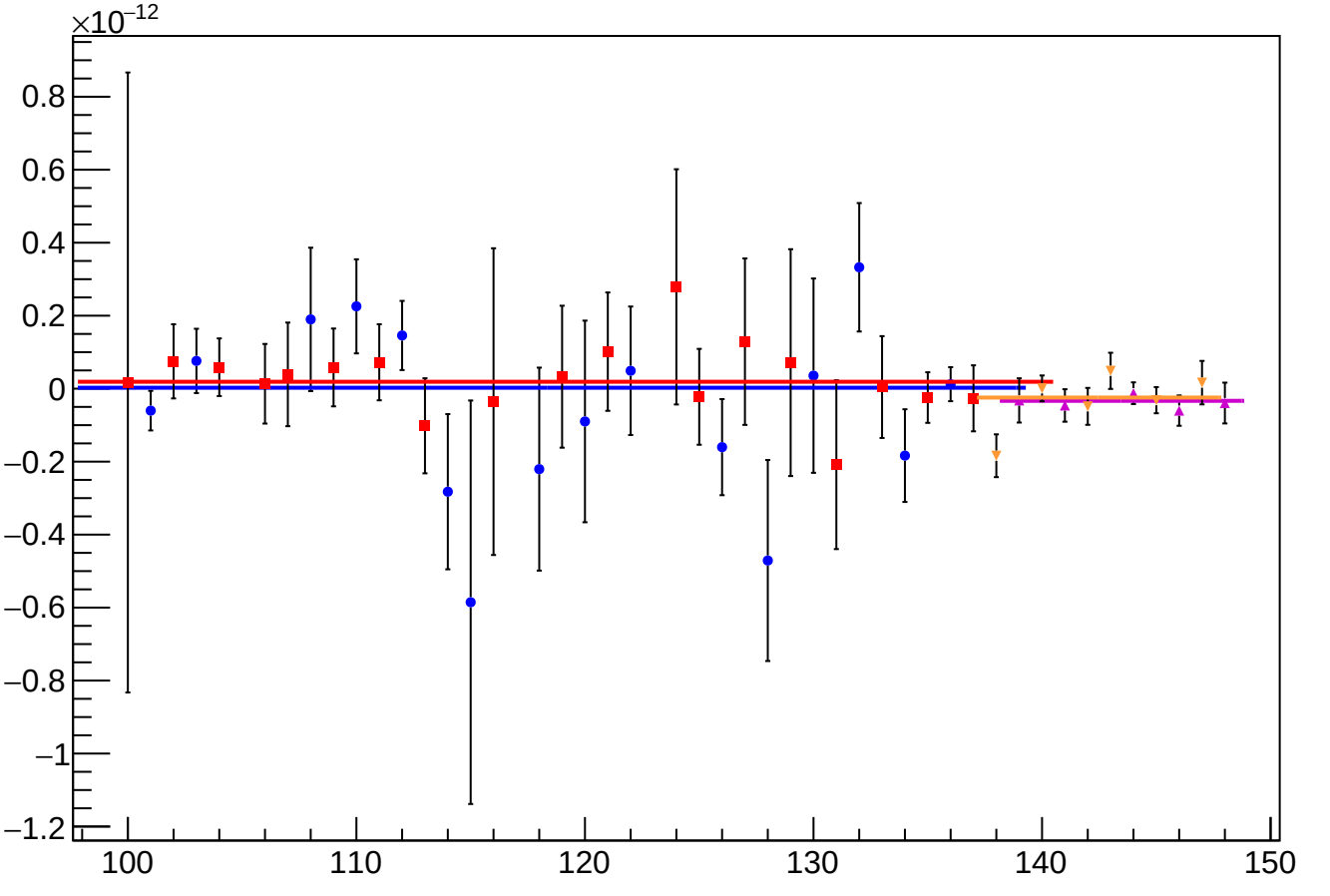
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1045.517+/-0.360 χ^2/NDF:200620.0/4

+ sign 1161.958+/-0.250 χ^2/NDF: 1661211.8/21

All: 1151.715+/-0.175 χ^2/NDF: 3370011.5/45

- sign 1141.893+/-0.245 χ^2/NDF: 1705507.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/5

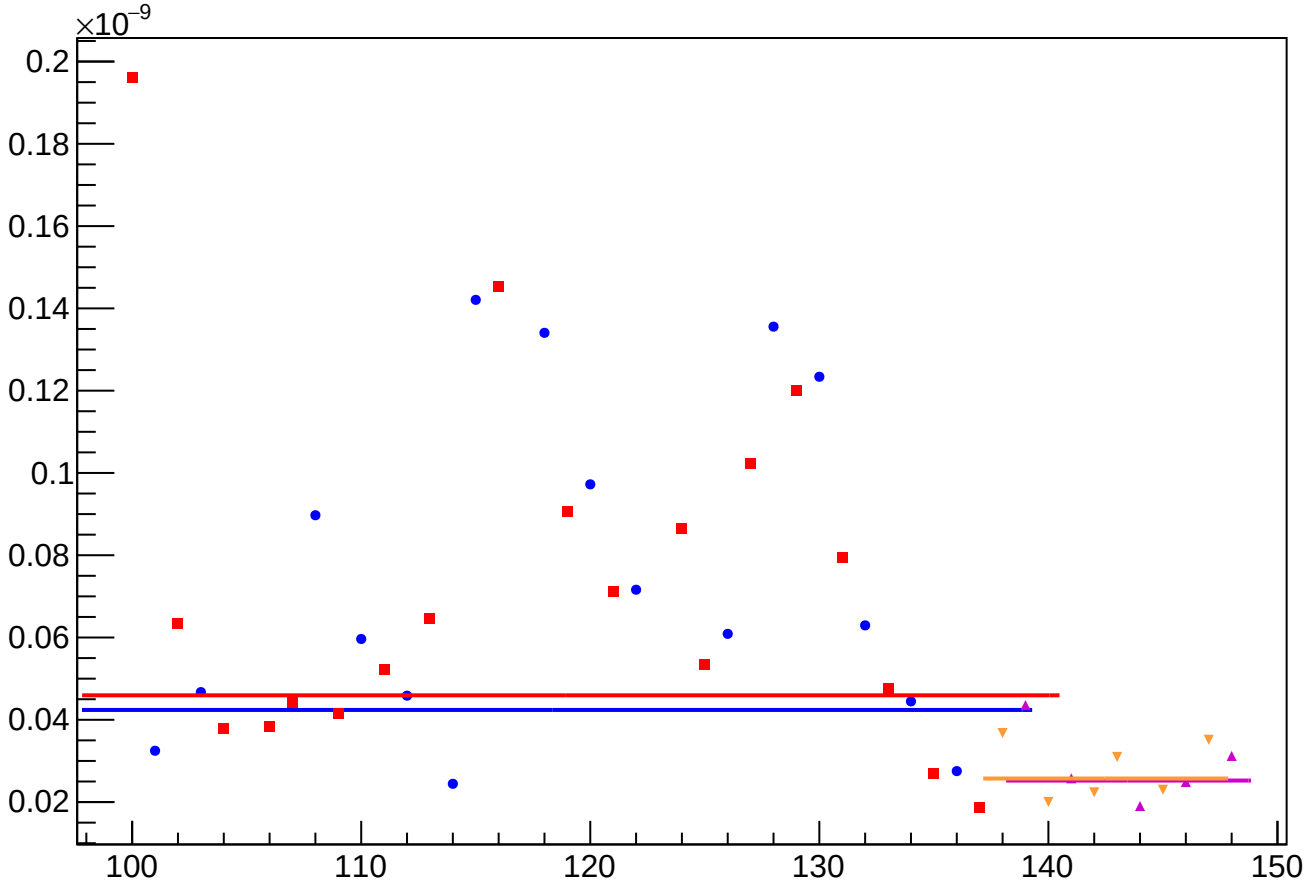
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.7/45

- sign -0.000+/-0.000 χ^2/NDF: 8.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:215648.8/5

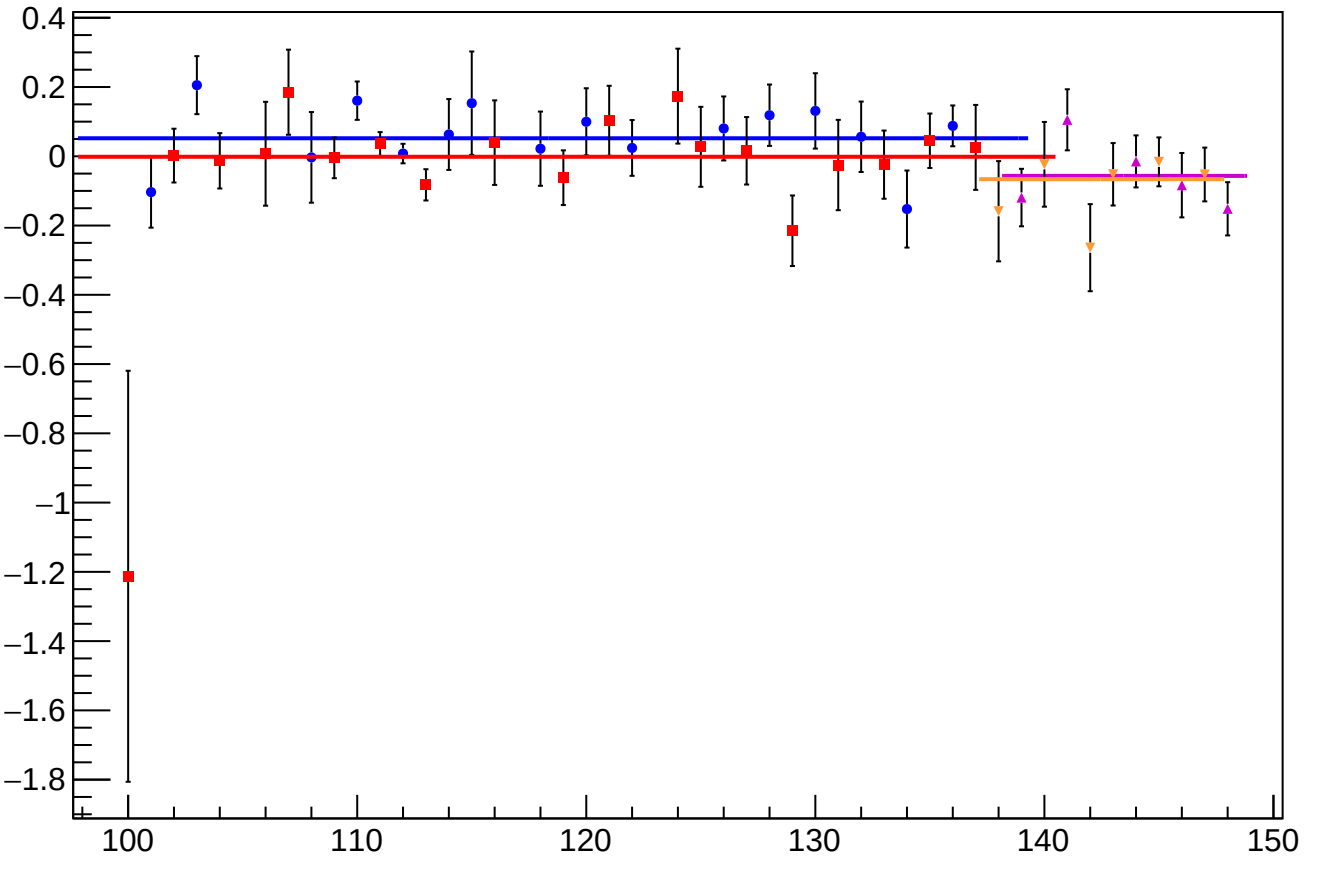
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:292928.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2081579.1/21

All: 0.000+/-0.000 χ^2/NDF: 4214634.7/45

- sign 0.000+/-0.000 χ^2/NDF: 2132476.1/23



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

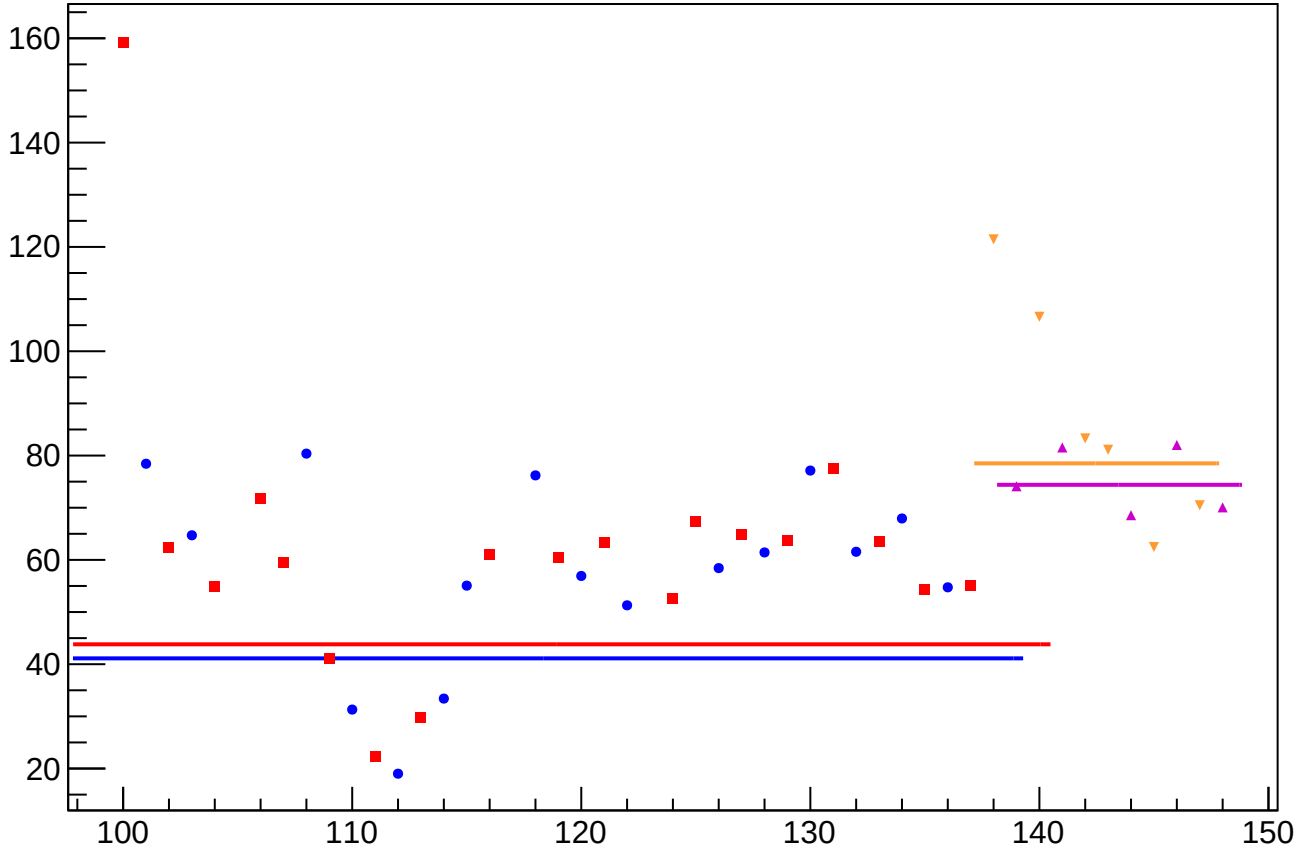
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.010+/-0.011 χ^2/NDF: 59.8/45

- sign -0.012+/-0.016 χ^2/NDF: 26.9/23

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

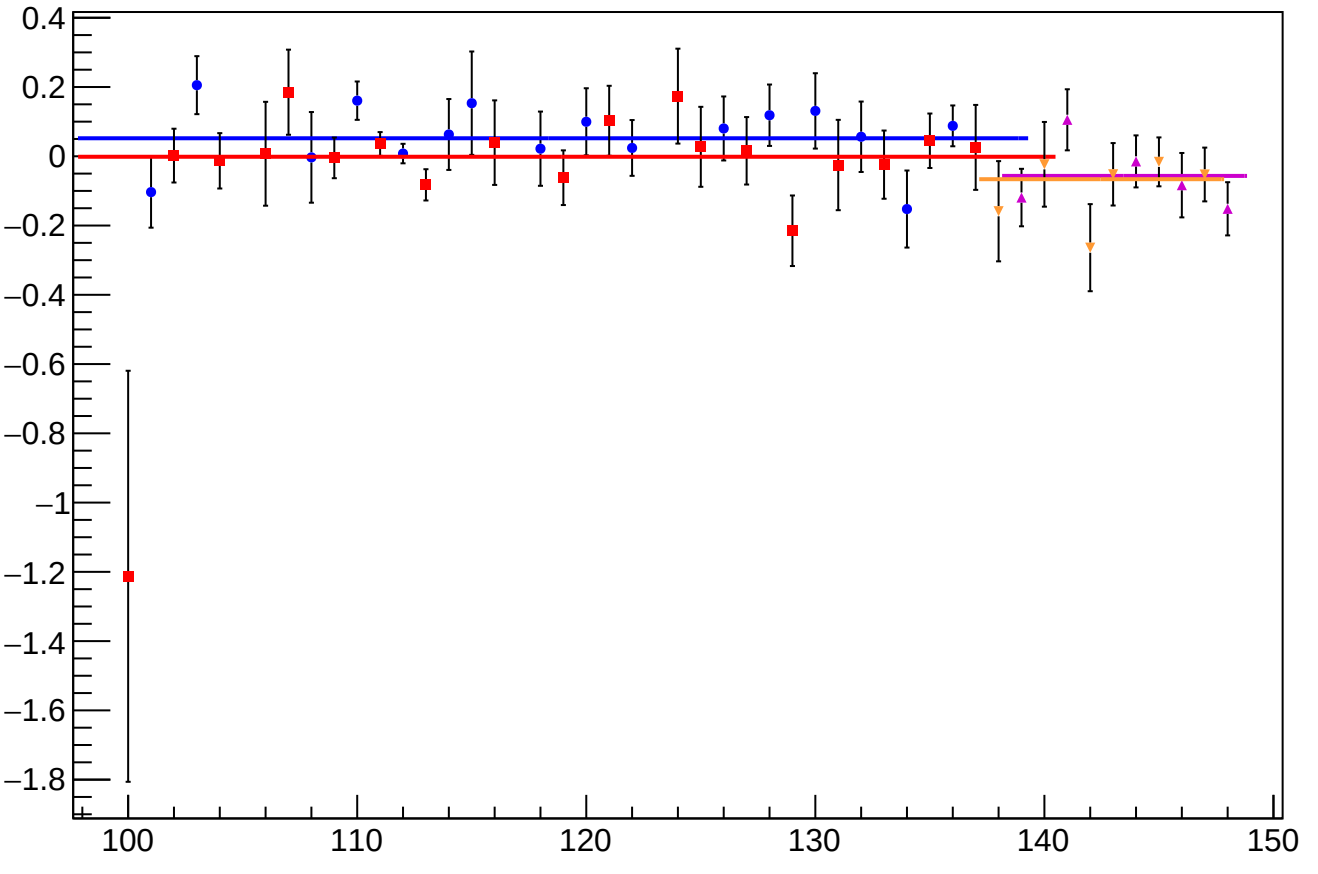
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

+ sign 47.629+/-0.011 χ^2/NDF: 4877199.0/21

All: 48.649+/-0.008 χ^2/NDF: 8100102.9/45

- sign 49.665+/-0.011 χ^2/NDF: 3206990.8/23



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

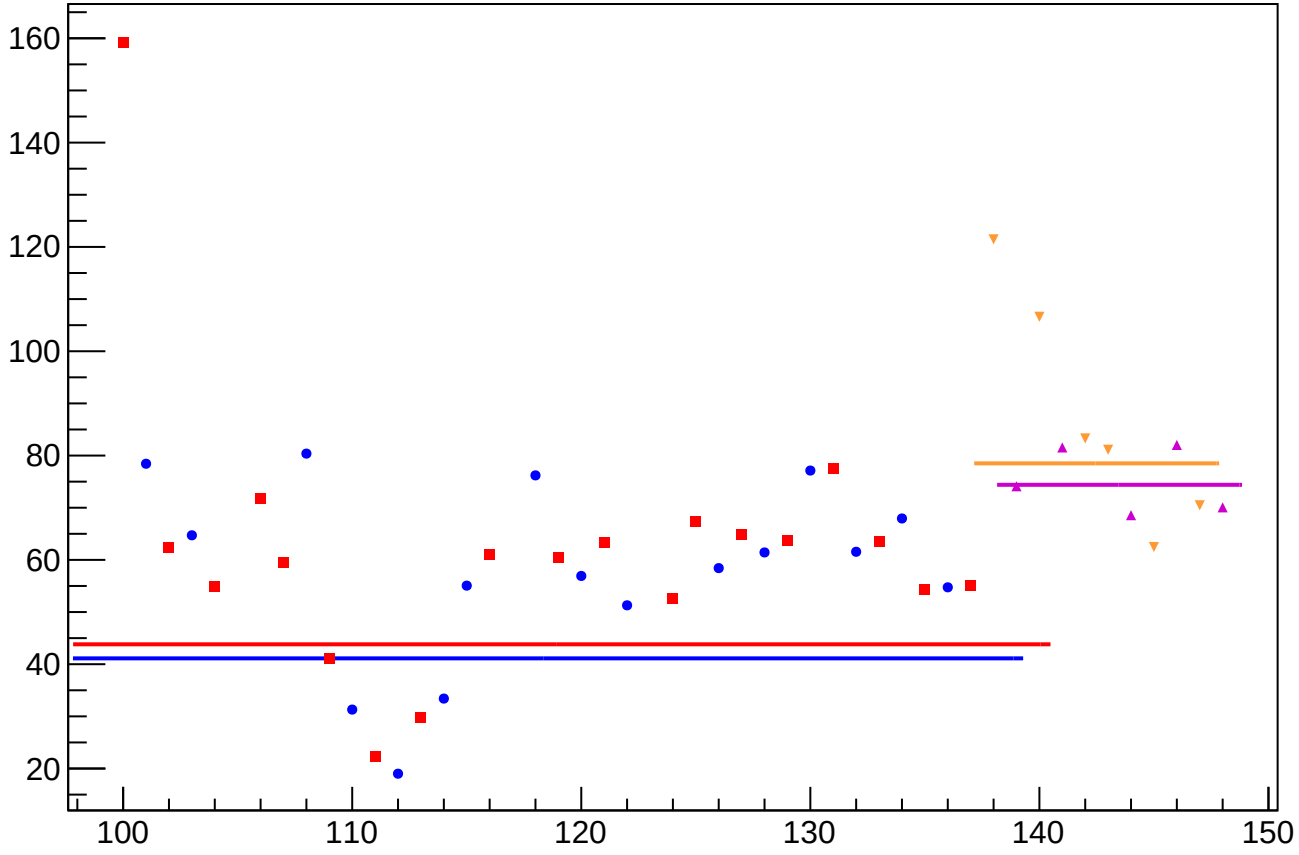
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.010+/-0.011 χ^2/NDF: 59.8/45

- sign -0.012+/-0.016 χ^2/NDF: 26.9/23

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

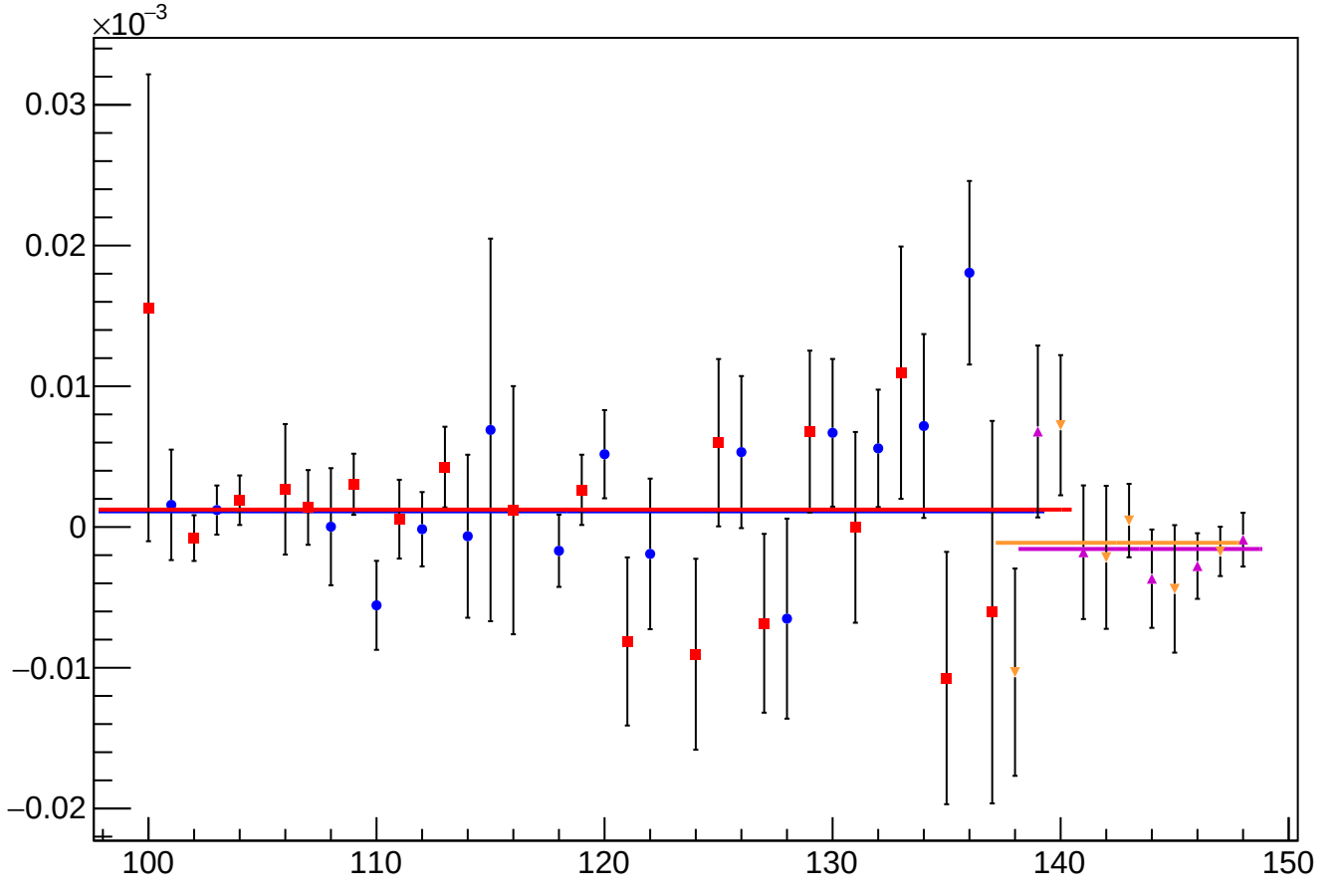
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

+ sign 47.629+/-0.011 χ^2/NDF: 4877199.0/21

All: 48.649+/-0.008 χ^2/NDF: 8100102.9/45

- sign 49.665+/-0.011 χ^2/NDF: 3206990.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/5

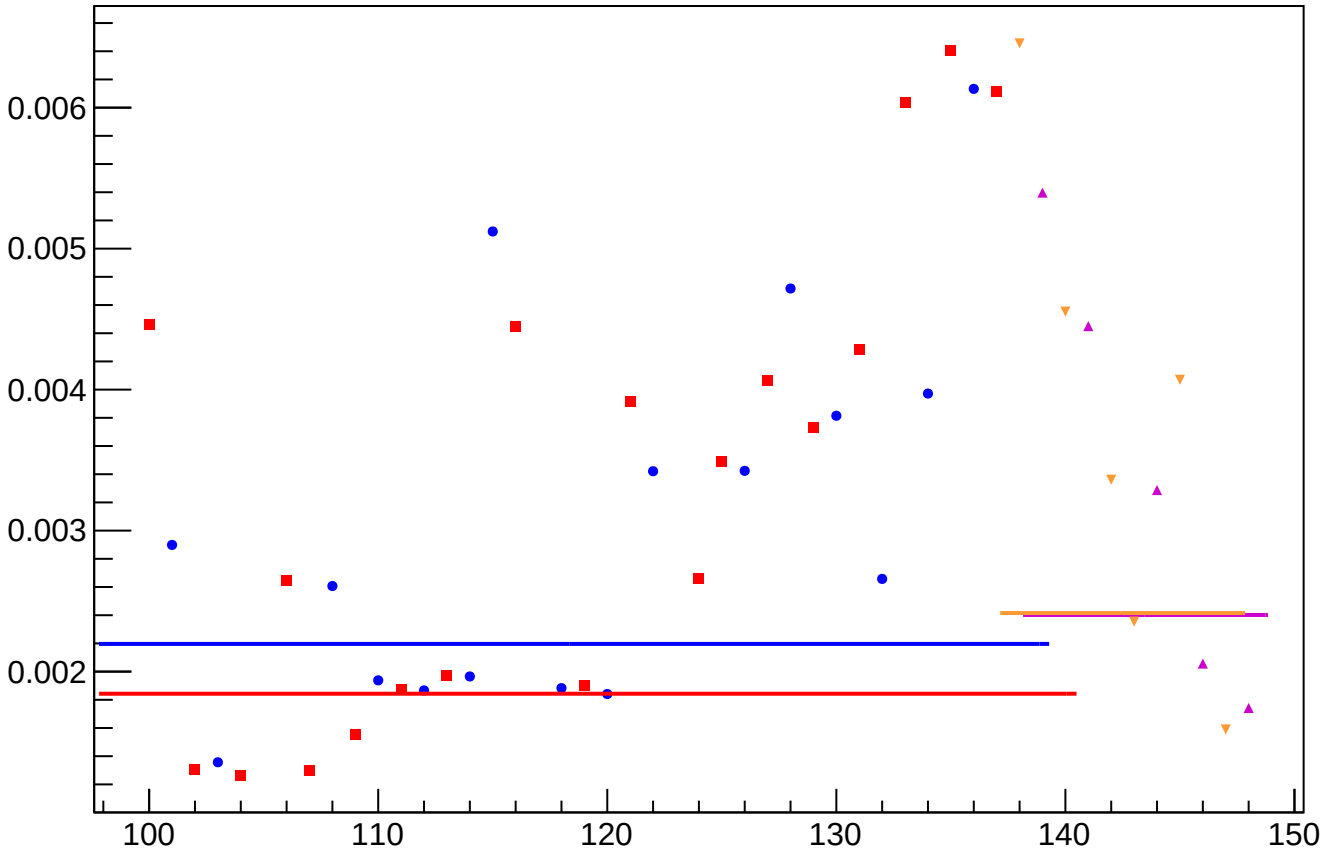
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/21

All: 0.000+/-0.000 χ^2/NDF: 49.5/45

- sign 0.000+/-0.000 χ^2/NDF: 22.1/23



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751875.1/5

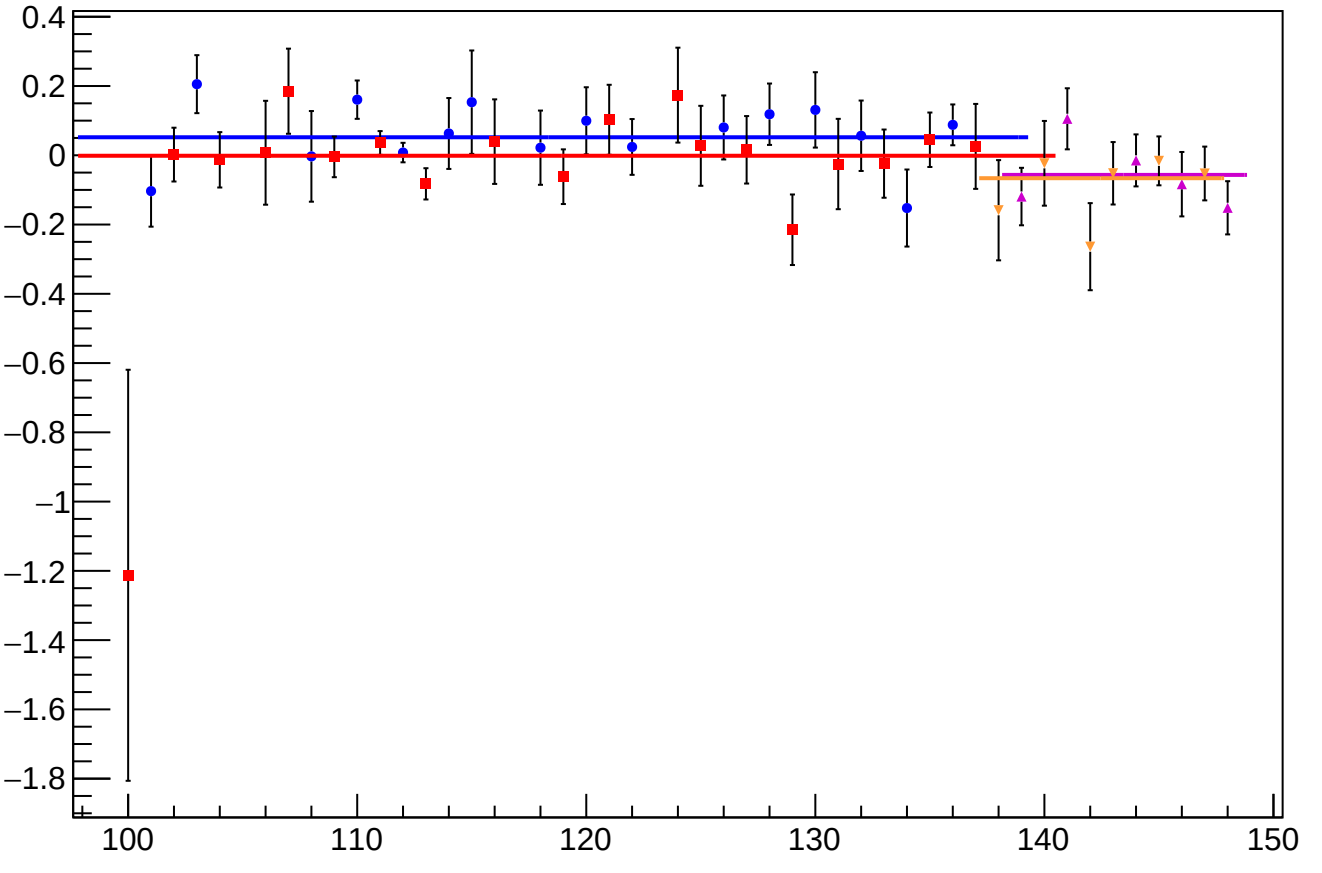
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1264193.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 4084080.7/21

All: 0.002+/-0.000 χ^2/NDF: 8927972.8/45

- sign 0.002+/-0.000 χ^2/NDF: 4682714.5/23



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

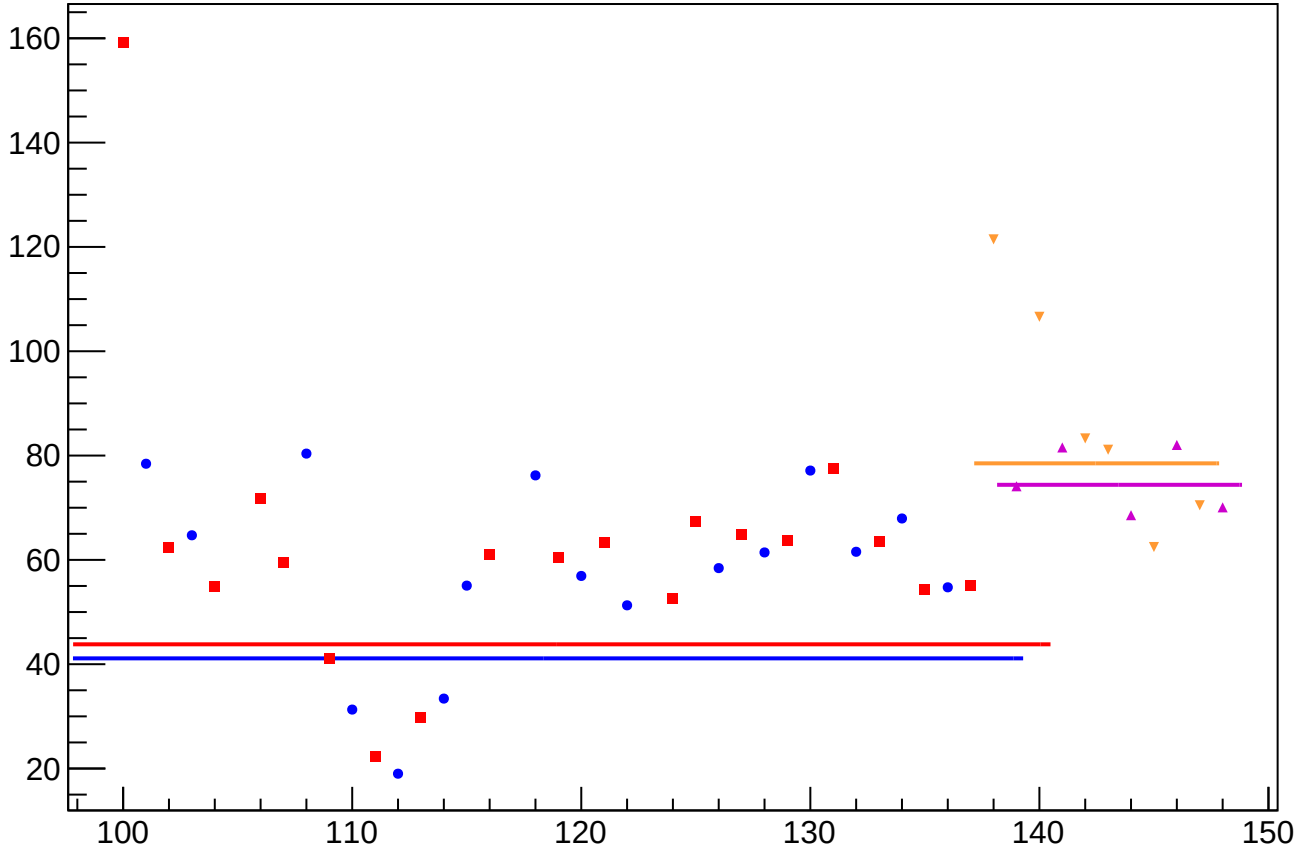
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.010+/-0.011 χ^2/NDF: 59.8/45

- sign -0.012+/-0.016 χ^2/NDF: 26.9/23

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

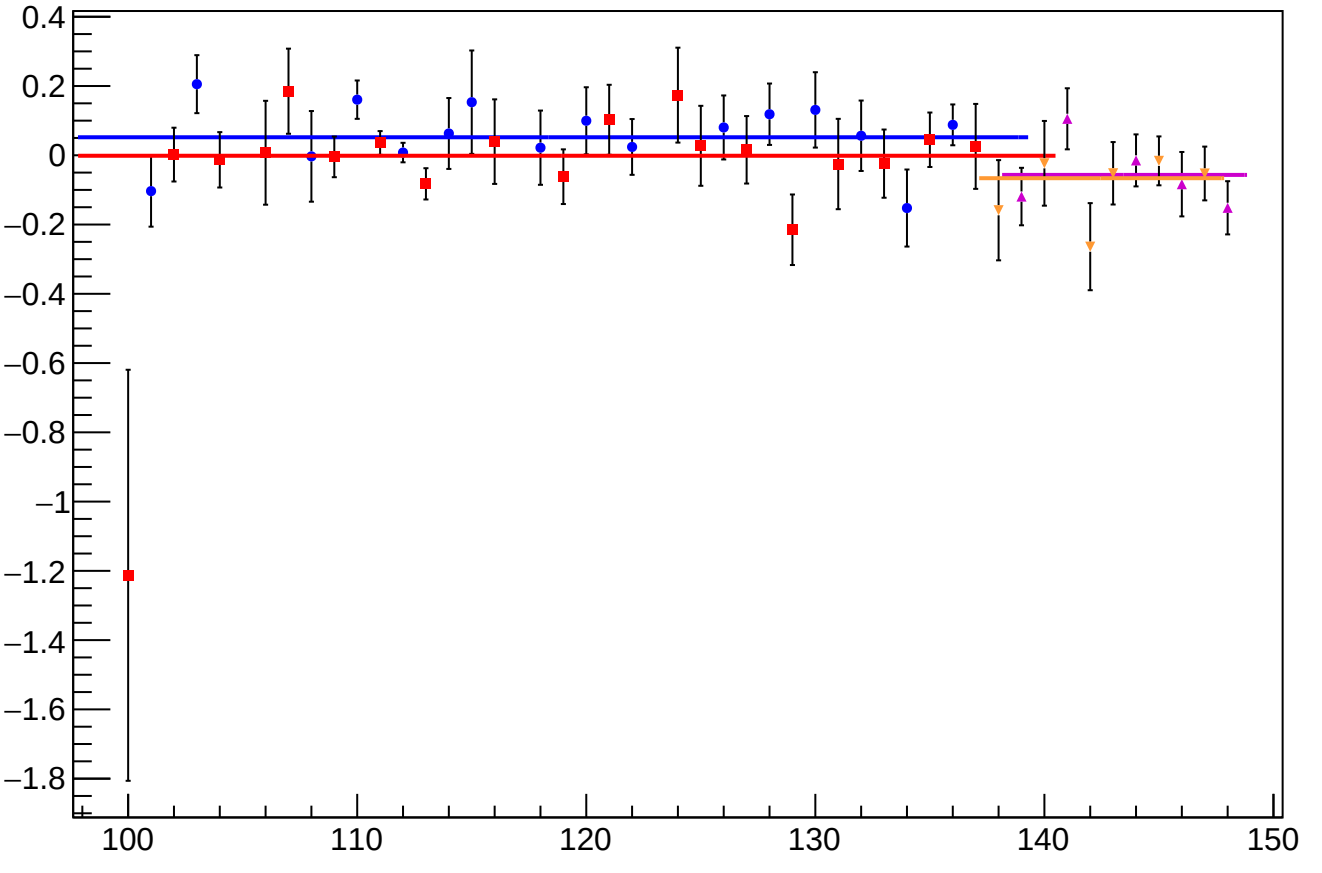
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

+ sign 47.628+/-0.011 χ^2/NDF: 4877471.3/21

All: 48.648+/-0.008 χ^2/NDF: 8100656.0/45

- sign 49.664+/-0.011 χ^2/NDF: 3207270.4/23



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

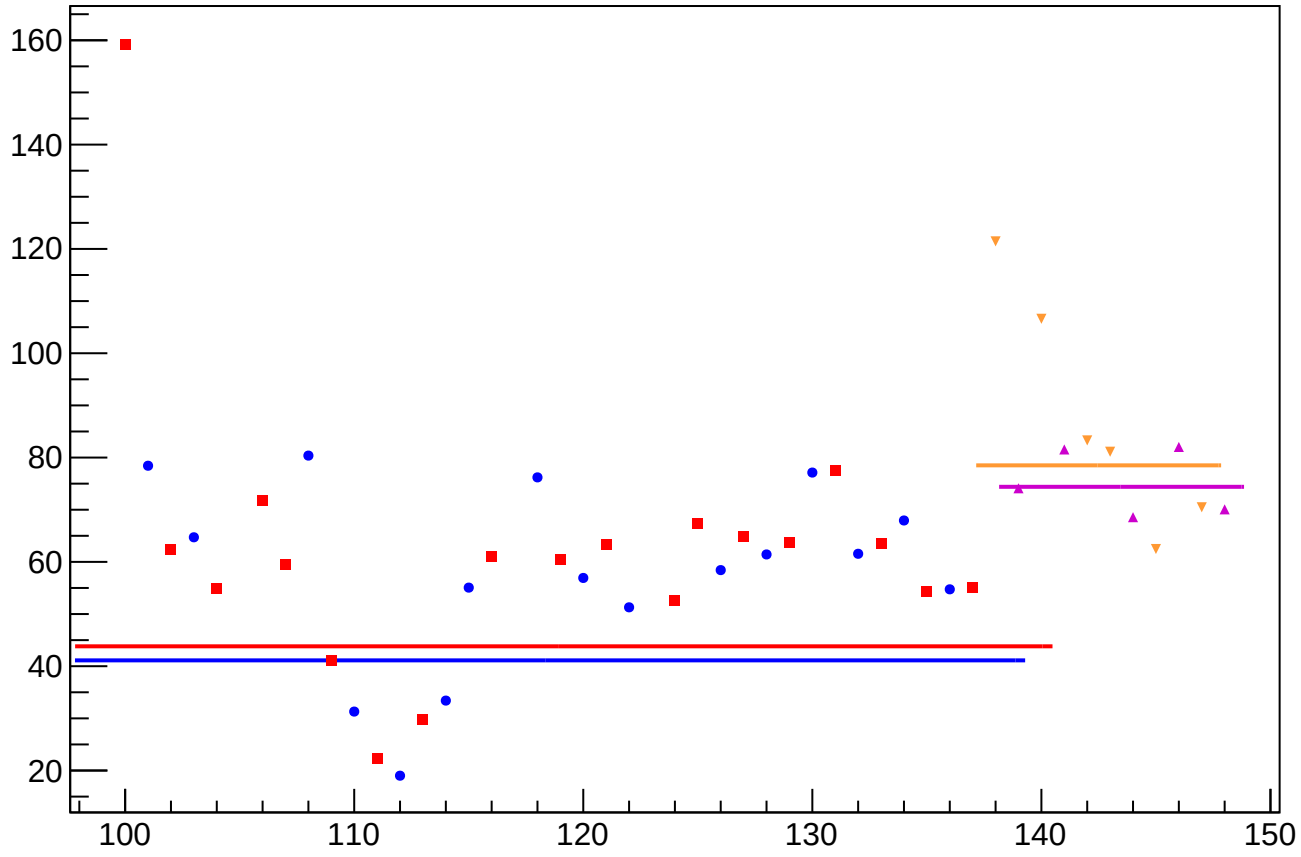
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.031+/-0.016 χ^2/NDF: 29.2/21

All: 0.010+/-0.011 χ^2/NDF: 59.8/45

- sign -0.012+/-0.016 χ^2/NDF: 26.9/23



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 78.507+/-0.027 χ^2/NDF:410926.6/5

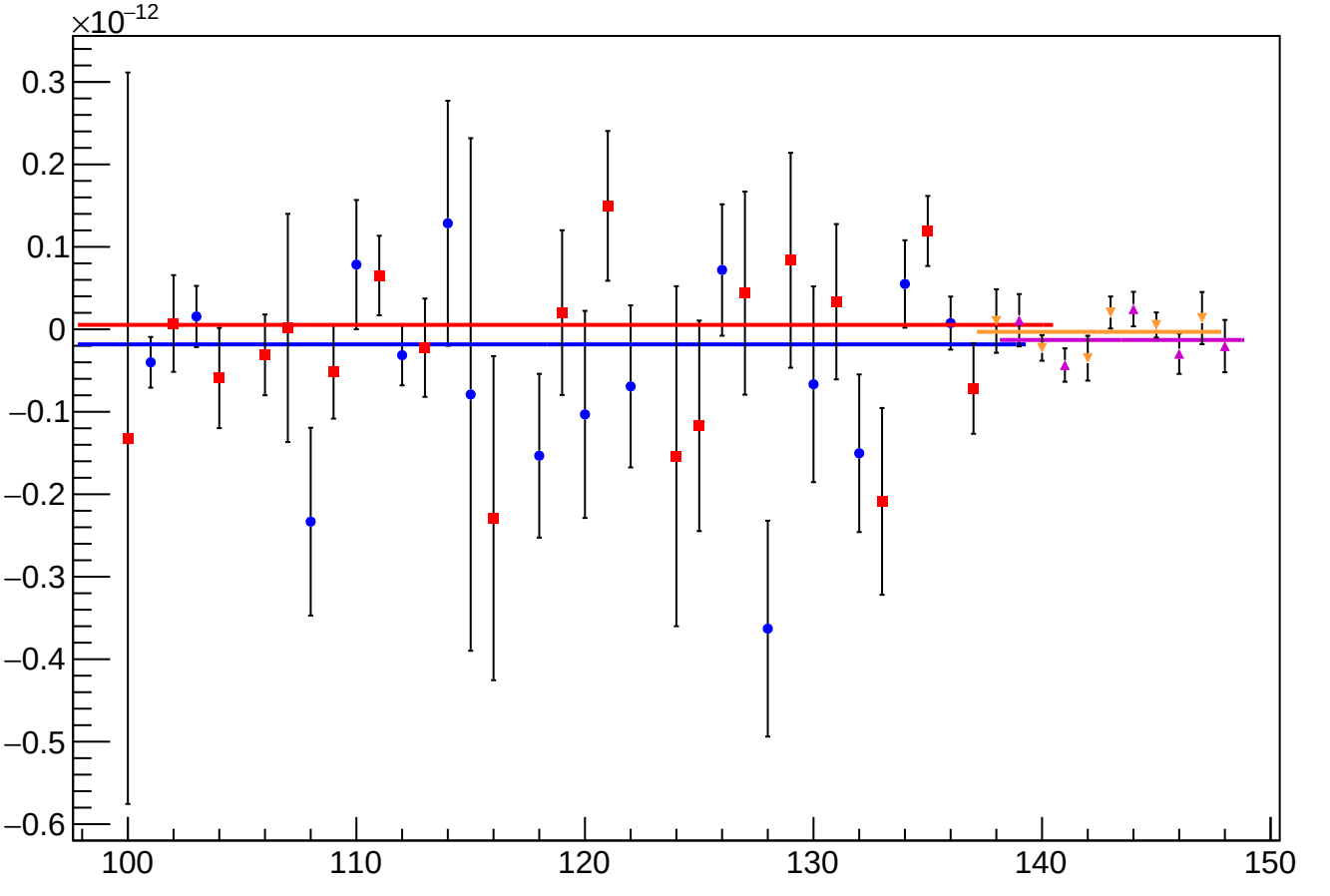
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

+ sign 47.628+/-0.011 χ^2/NDF: 4877471.3/21

All: 48.648+/-0.008 χ^2/NDF: 8100656.0/45

- sign 49.664+/-0.011 χ^2/NDF: 3207270.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/5

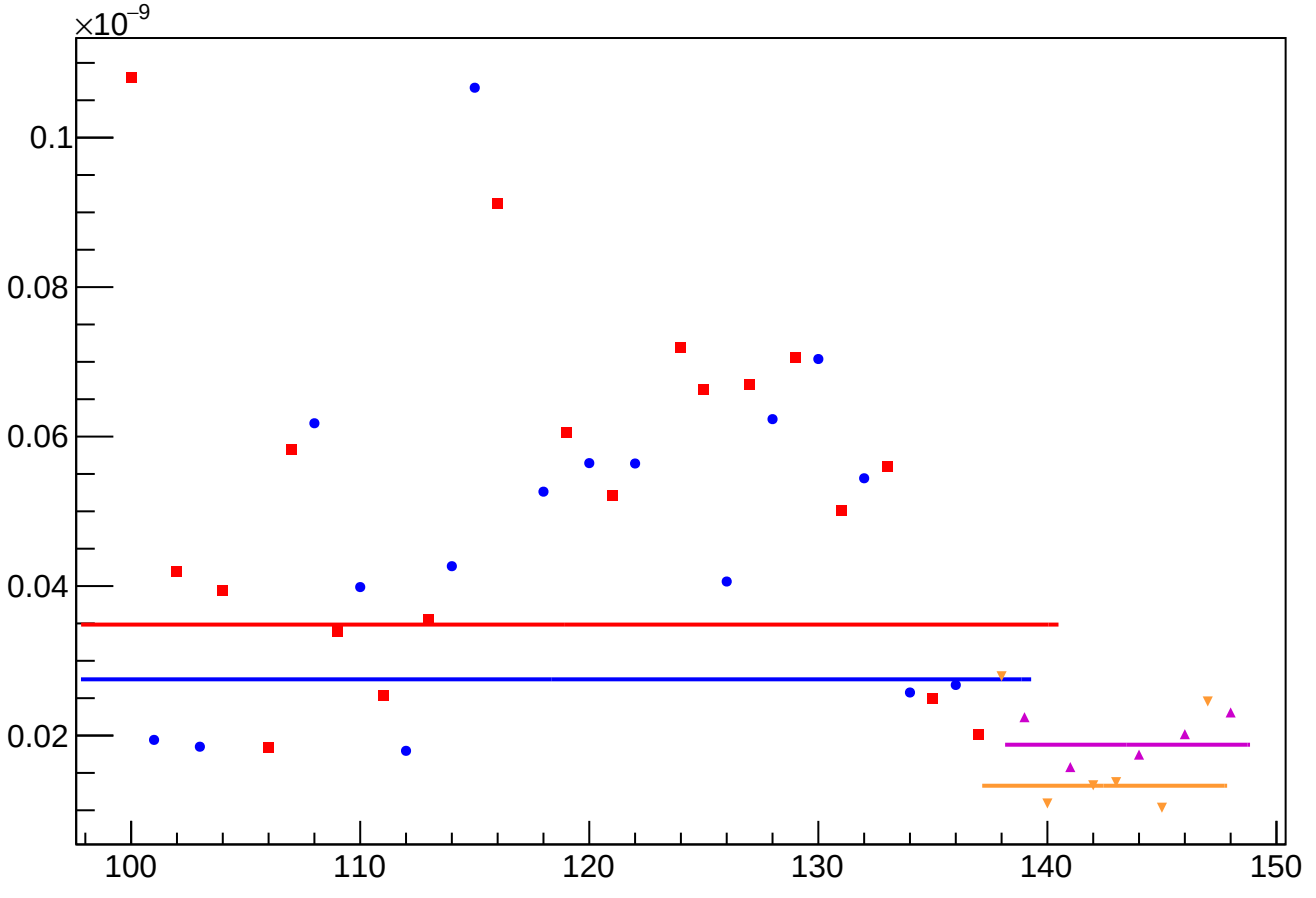
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/21

All: -0.000+/-0.000 χ^2/NDF: 59.6/45

- sign -0.000+/-0.000 χ^2/NDF: 30.7/23



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

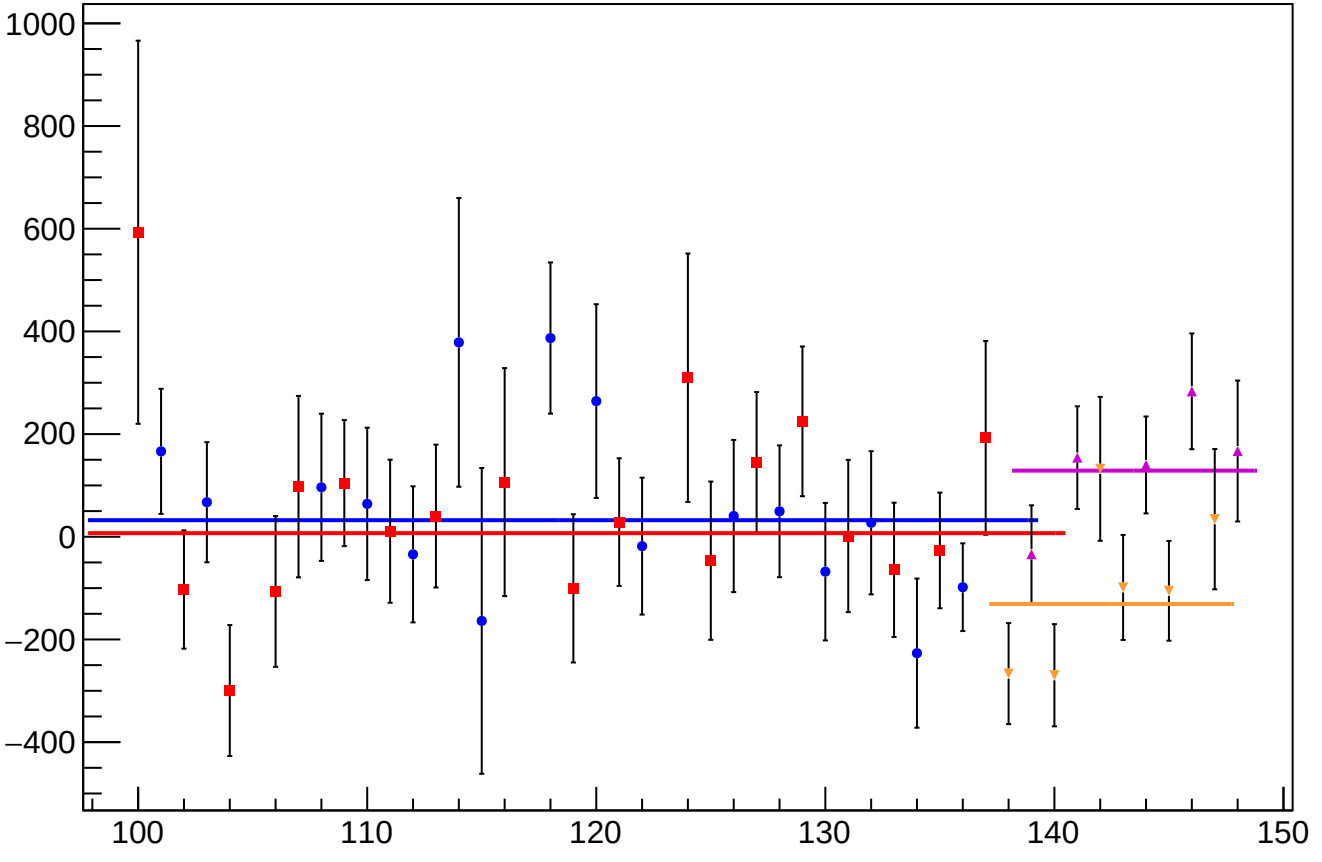
Left In: 0.000+/-0.000 χ^2/NDF:122236.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3920440.9/21

All: 0.000+/-0.000 χ^2/NDF: 7673321.6/45

- sign 0.000+/-0.000 χ^2/NDF: 3097070.6/23

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

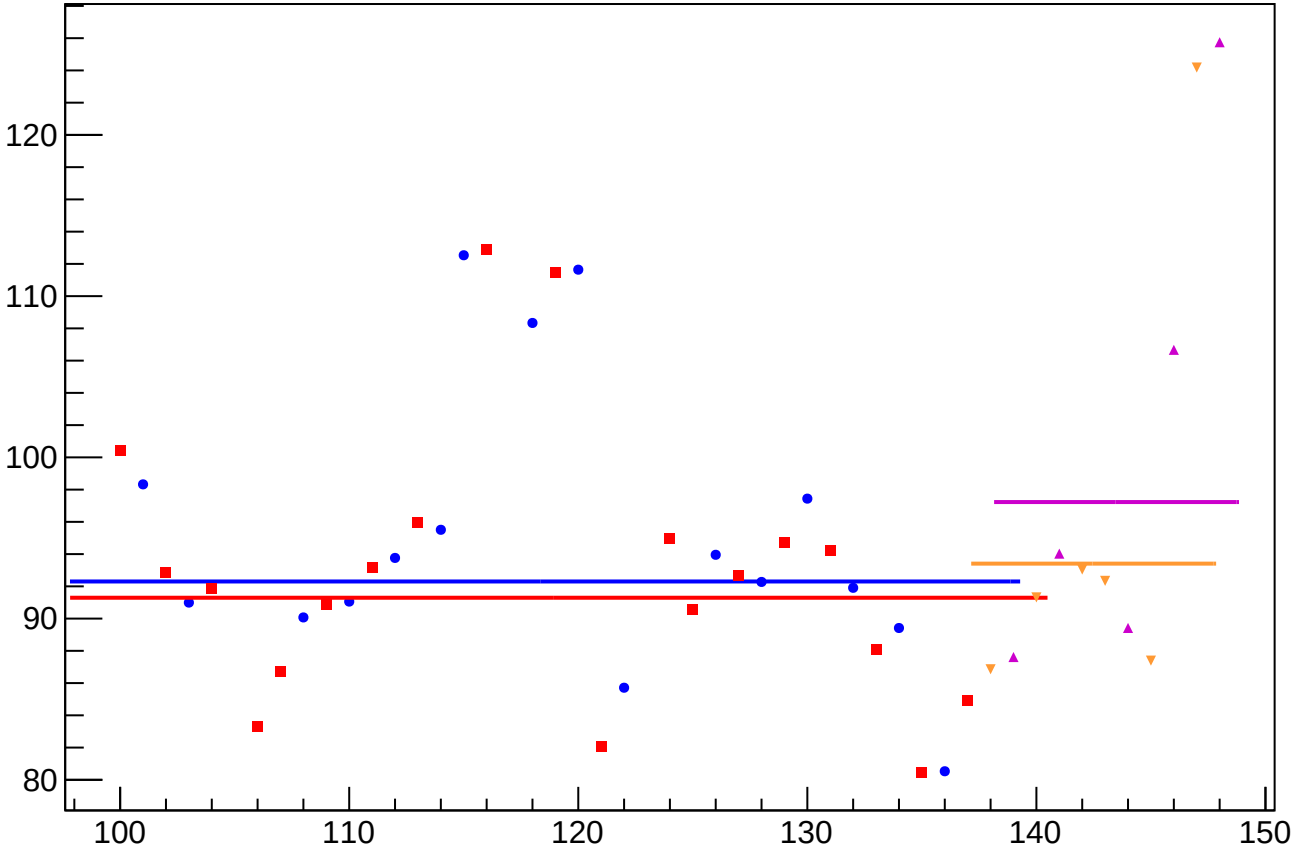
Left In: 128.831+/-46.921 χ^2/NDF:5.0/4

\+ sign -29.207+/-27.176 χ^2/NDF: 34.8/21

All: 9.358+/-19.232 χ^2/NDF: 66.0/45

\- sign 48.050+/-27.221 χ^2/NDF: 27.2/23

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

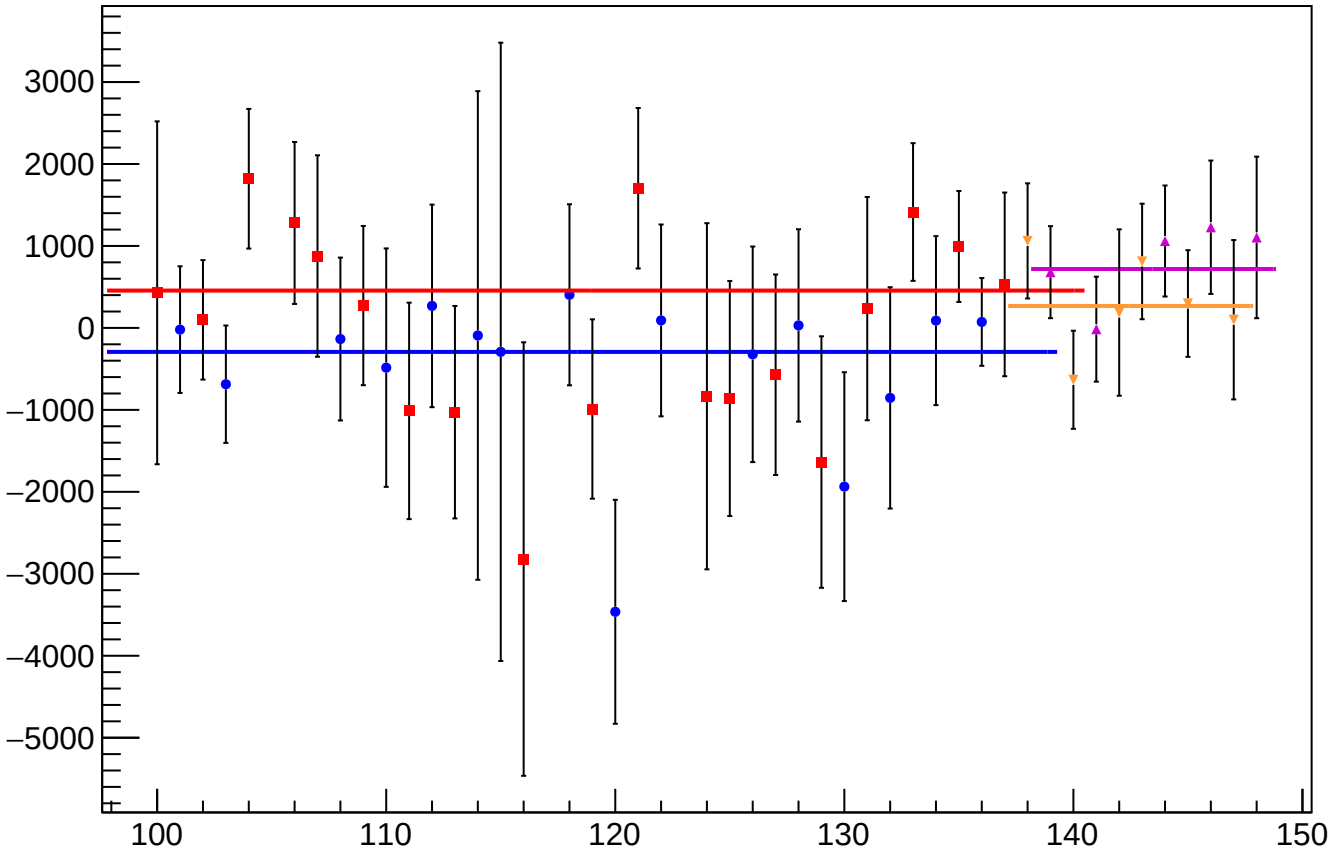
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 93.005+/-0.014 χ^2/NDF: 490104.5/45

- sign 93.291+/-0.019 χ^2/NDF: 262793.1/23



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

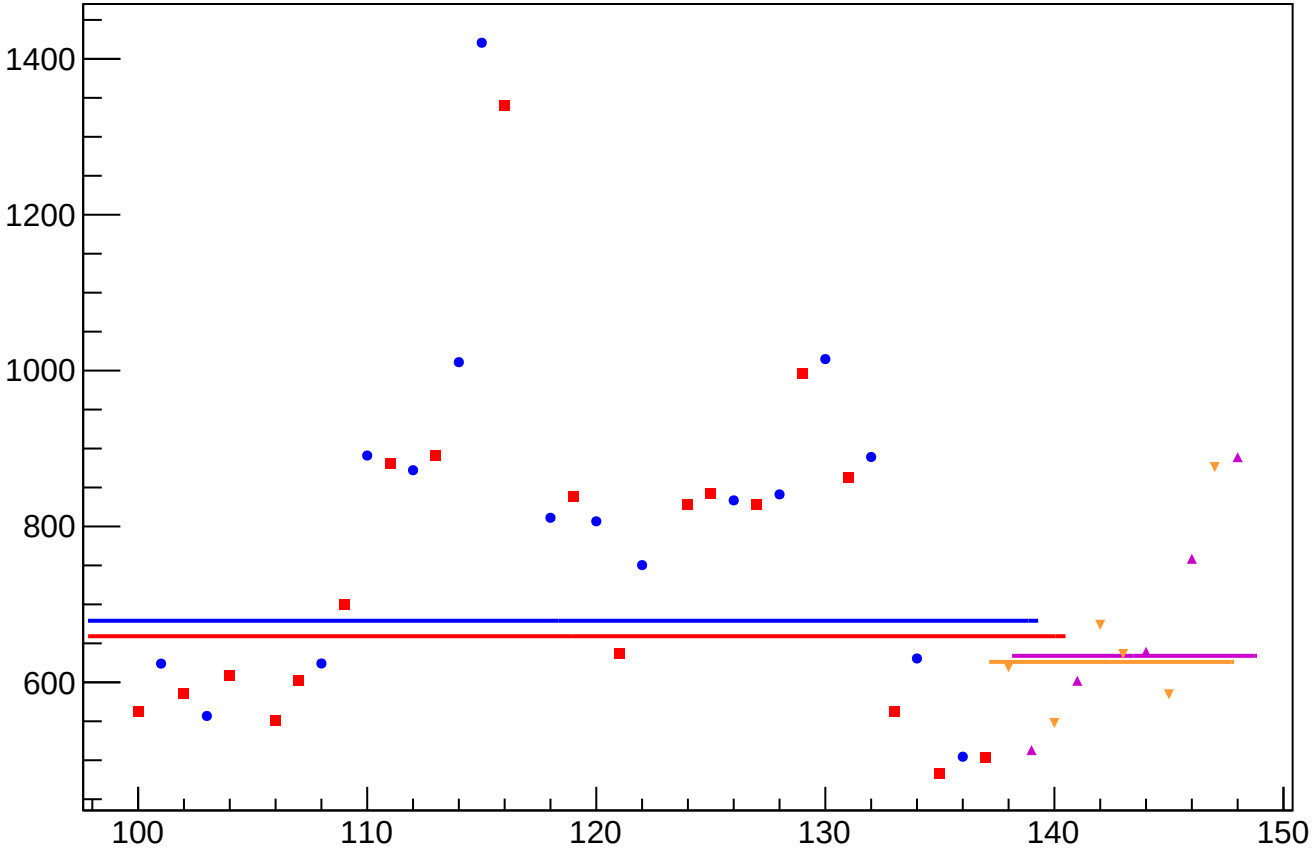
Left In: 718.667+/-311.125 χ^2/NDF:2.1/4

\+ sign -51.214+/-195.932 χ^2/NDF: 15.0/21

All: 256.142+/-137.954 χ^2/NDF: 39.3/45

\- sign 558.308+/-194.271 χ^2/NDF: 19.4/23

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

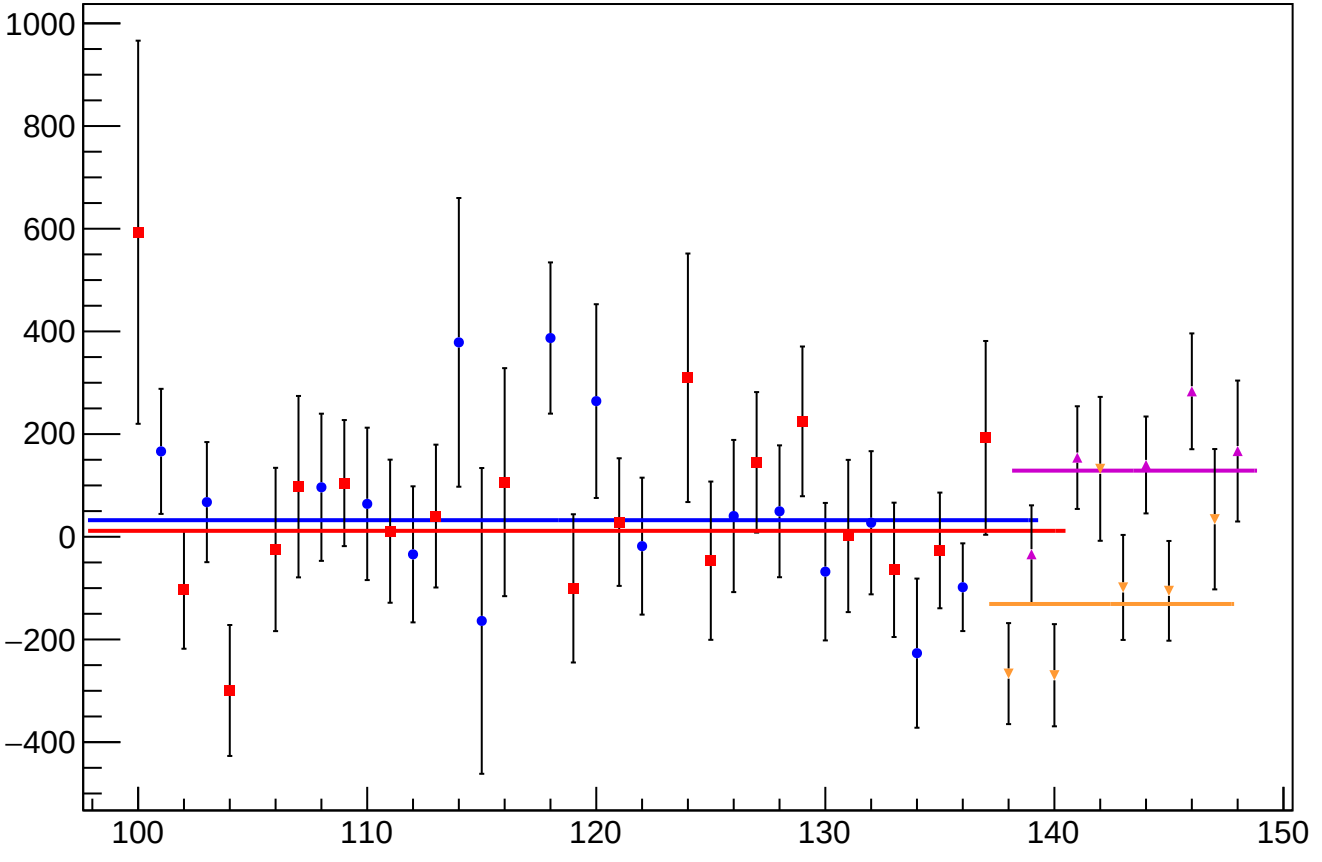
Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

+ sign 656.259+/-0.139 χ^2/NDF: 983335.5/21

All: 652.769+/-0.098 χ^2/NDF: 2066999.1/45

- sign 649.338+/-0.137 χ^2/NDF: 1082405.1/23

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

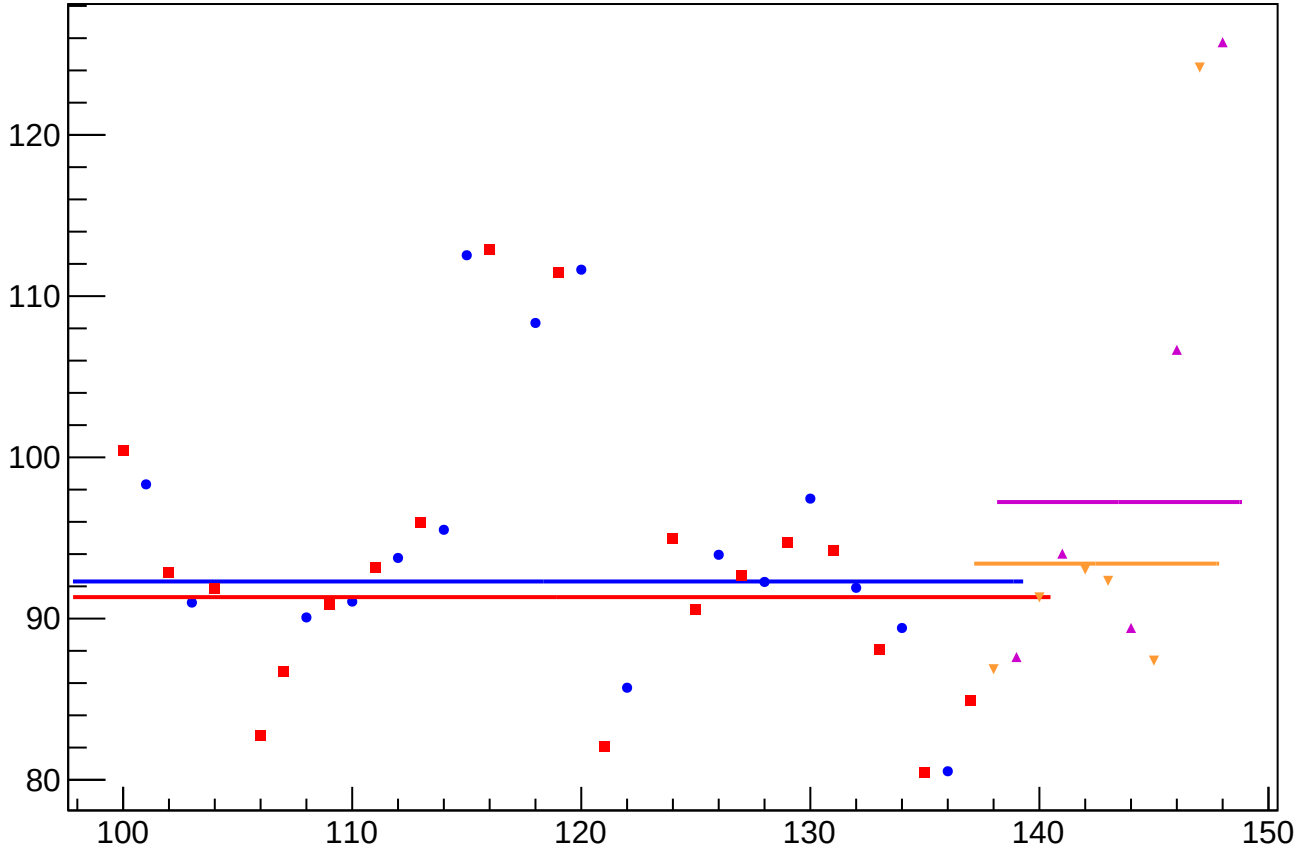
Left In: 128.833+/-46.921 χ^2/NDF:5.0/4

+ sign -29.200+/-27.176 χ^2/NDF: 34.8/21

All: 10.852+/-19.257 χ^2/NDF: 65.4/45

- sign 51.242+/-27.290 χ^2/NDF: 26.3/23

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

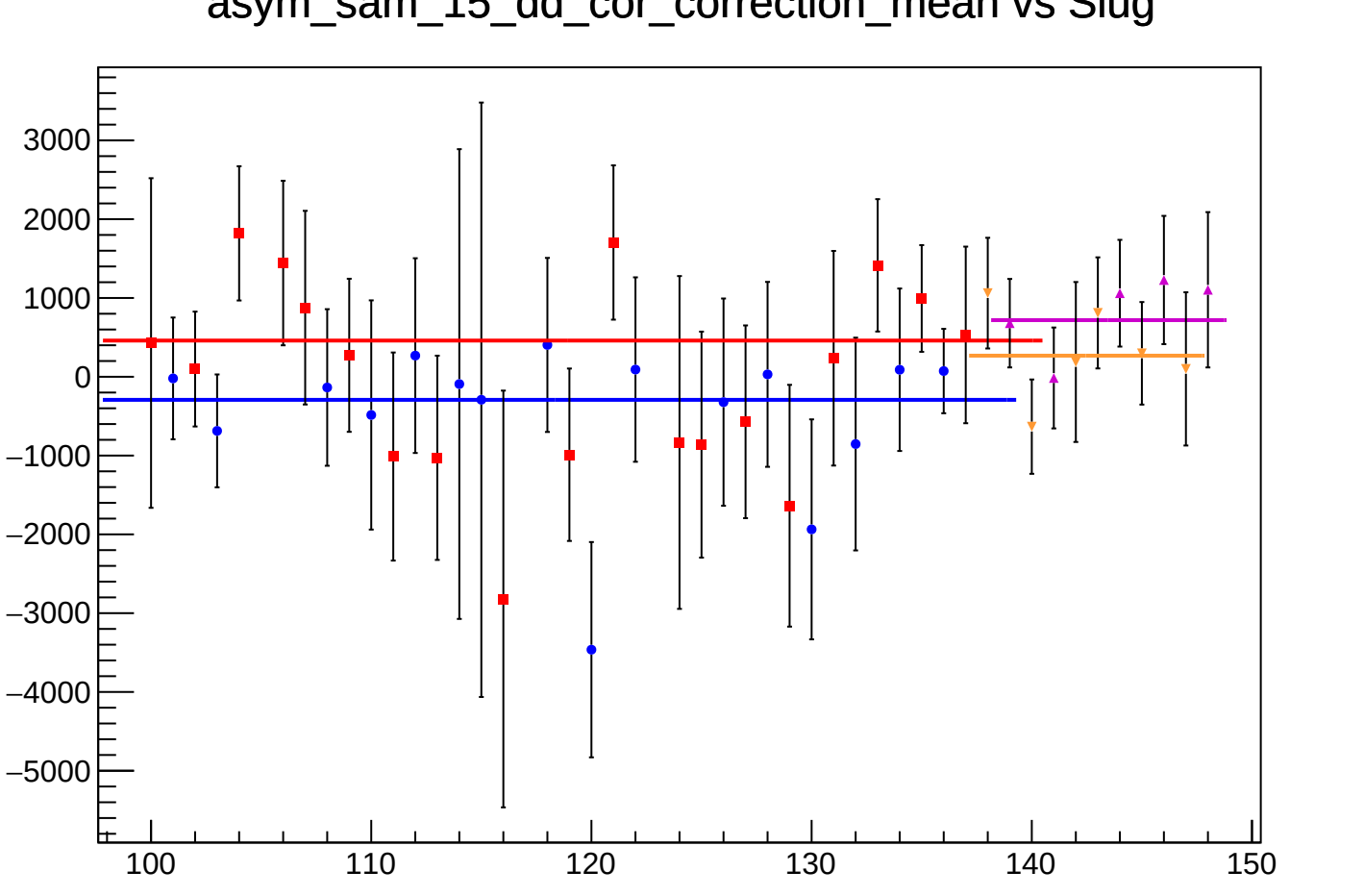
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 93.022+/-0.014 χ^2/NDF: 489654.0/45

- sign 93.327+/-0.019 χ^2/NDF: 262287.3/23



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

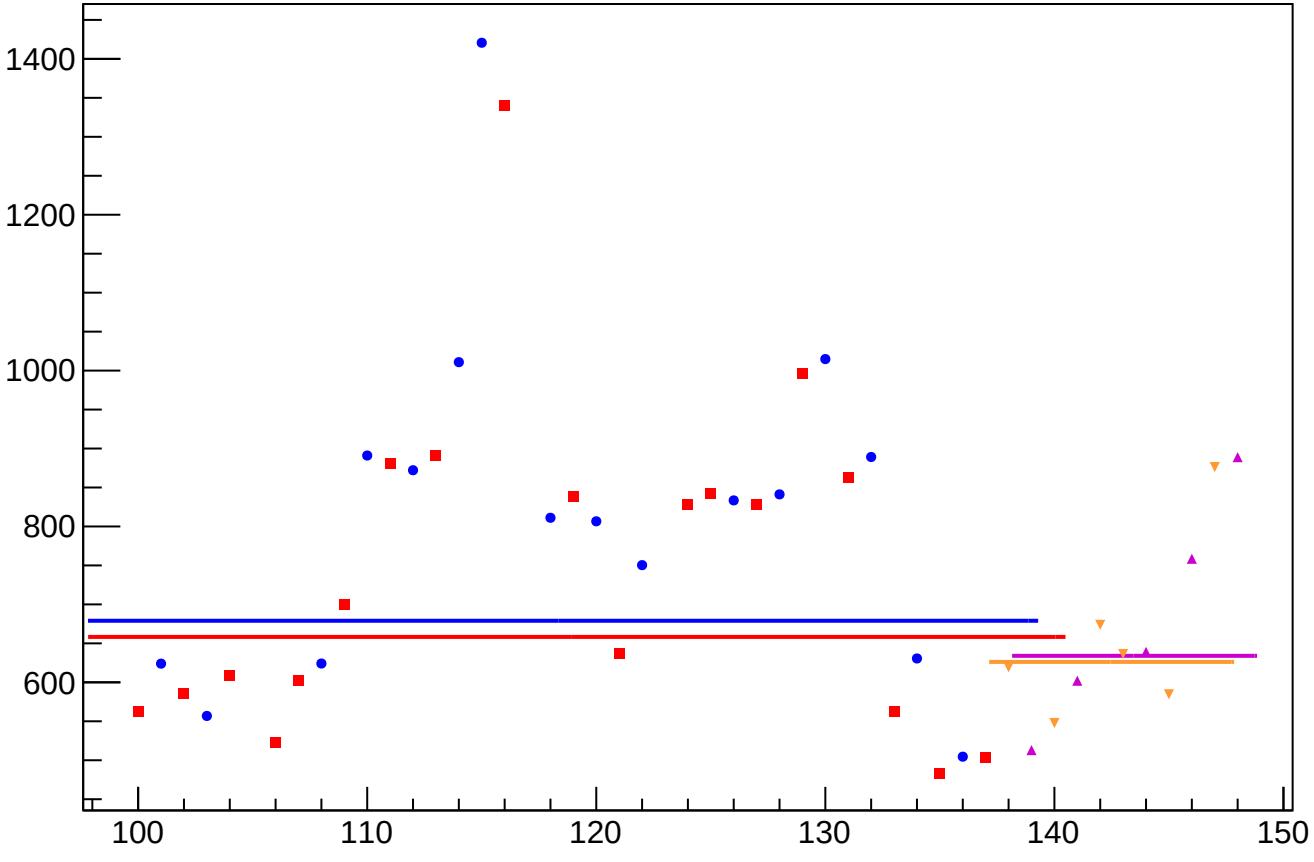
Left In: 718.664+/-311.125 χ^2/NDF:2.1/4

\+ sign -51.215+/-195.932 χ^2/NDF: 15.0/21

All: 256.887+/-138.094 χ^2/NDF: 39.5/45

\- sign 561.014+/-194.664 χ^2/NDF: 19.6/23

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

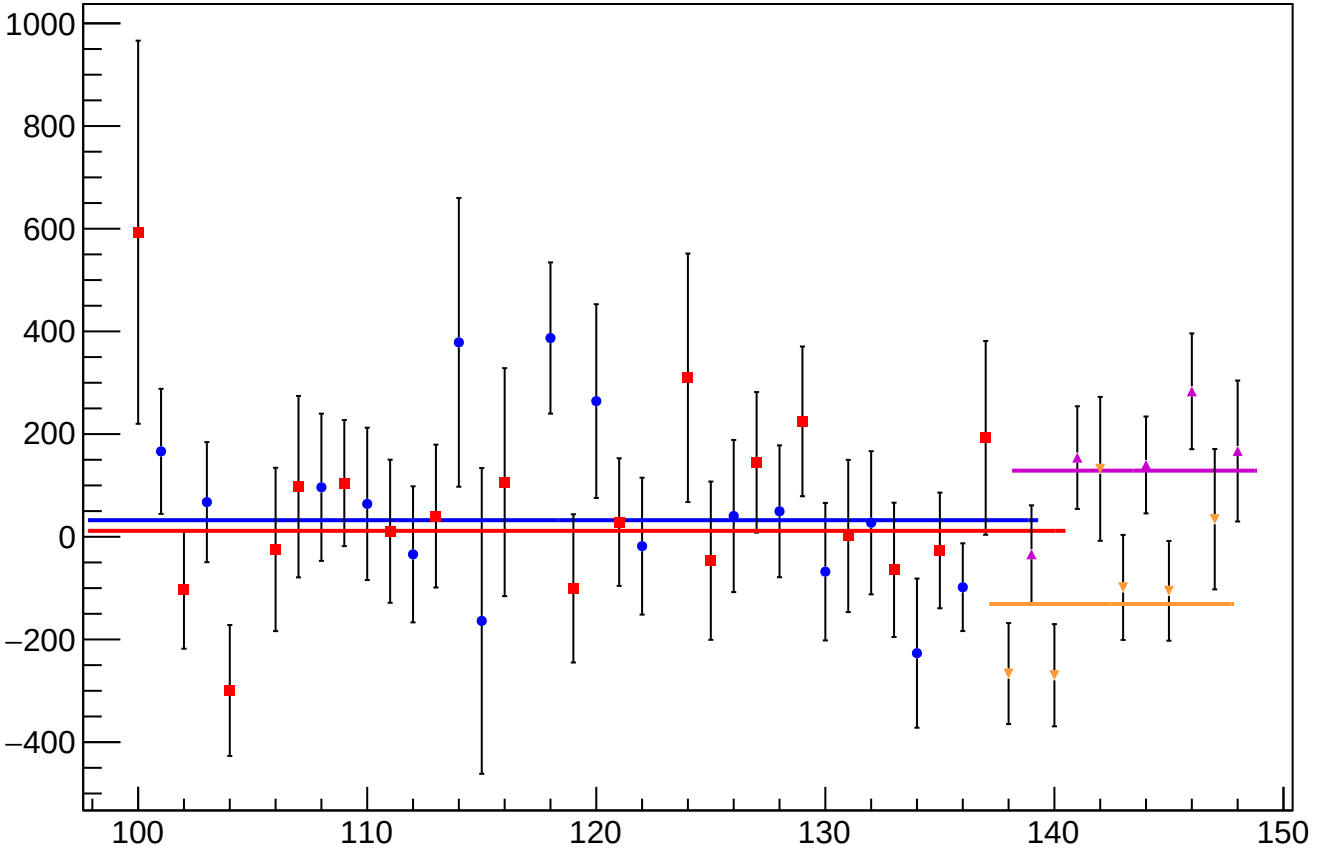
Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

+ sign 656.259+/-0.139 χ^2/NDF: 983338.0/21

All: 652.489+/-0.098 χ^2/NDF: 2076673.2/45

- sign 648.768+/-0.138 χ^2/NDF: 1091863.9/23

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

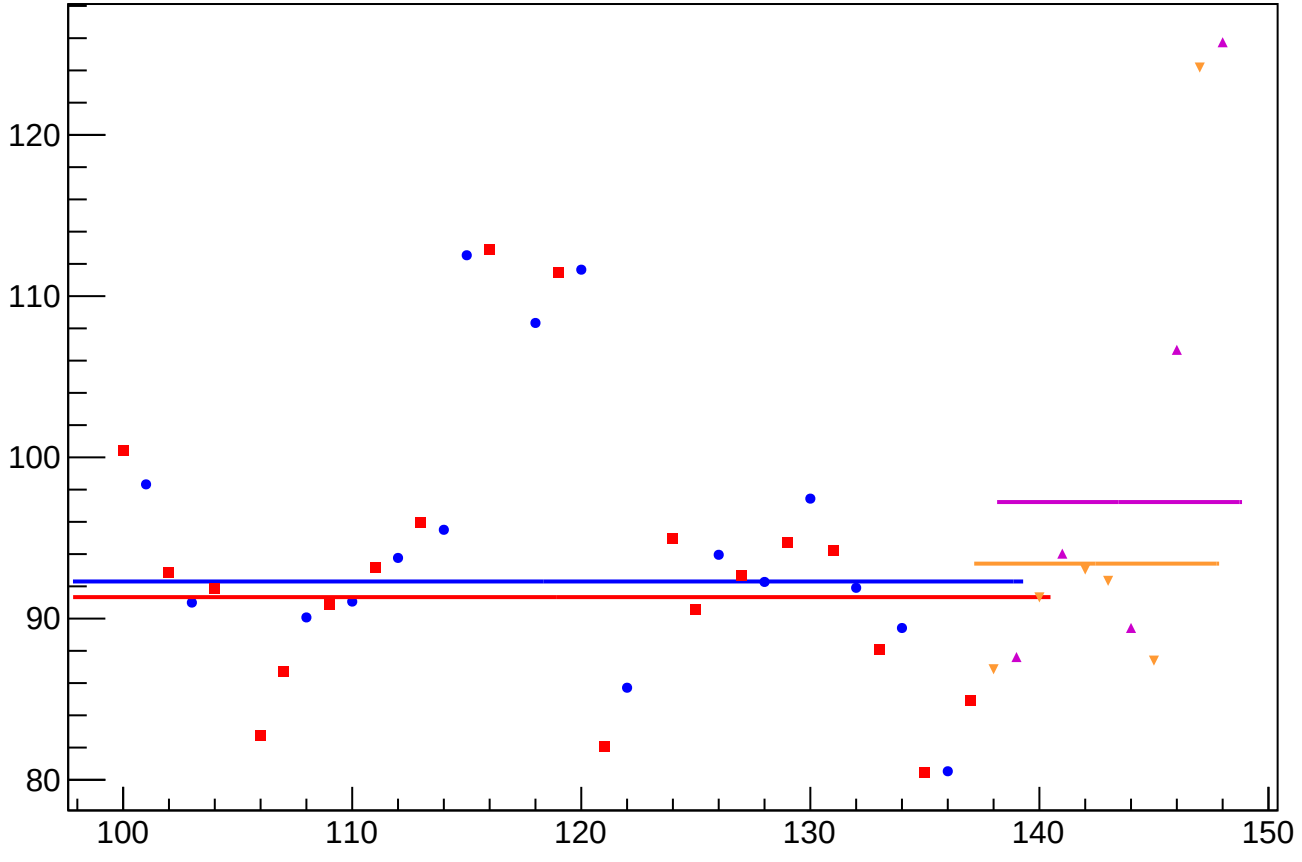
Left In: 128.833+/-46.921 χ^2/NDF:5.0/4

+ sign -29.200+/-27.176 χ^2/NDF: 34.8/21

All: 10.852+/-19.257 χ^2/NDF: 65.4/45

- sign 51.242+/-27.290 χ^2/NDF: 26.3/23

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

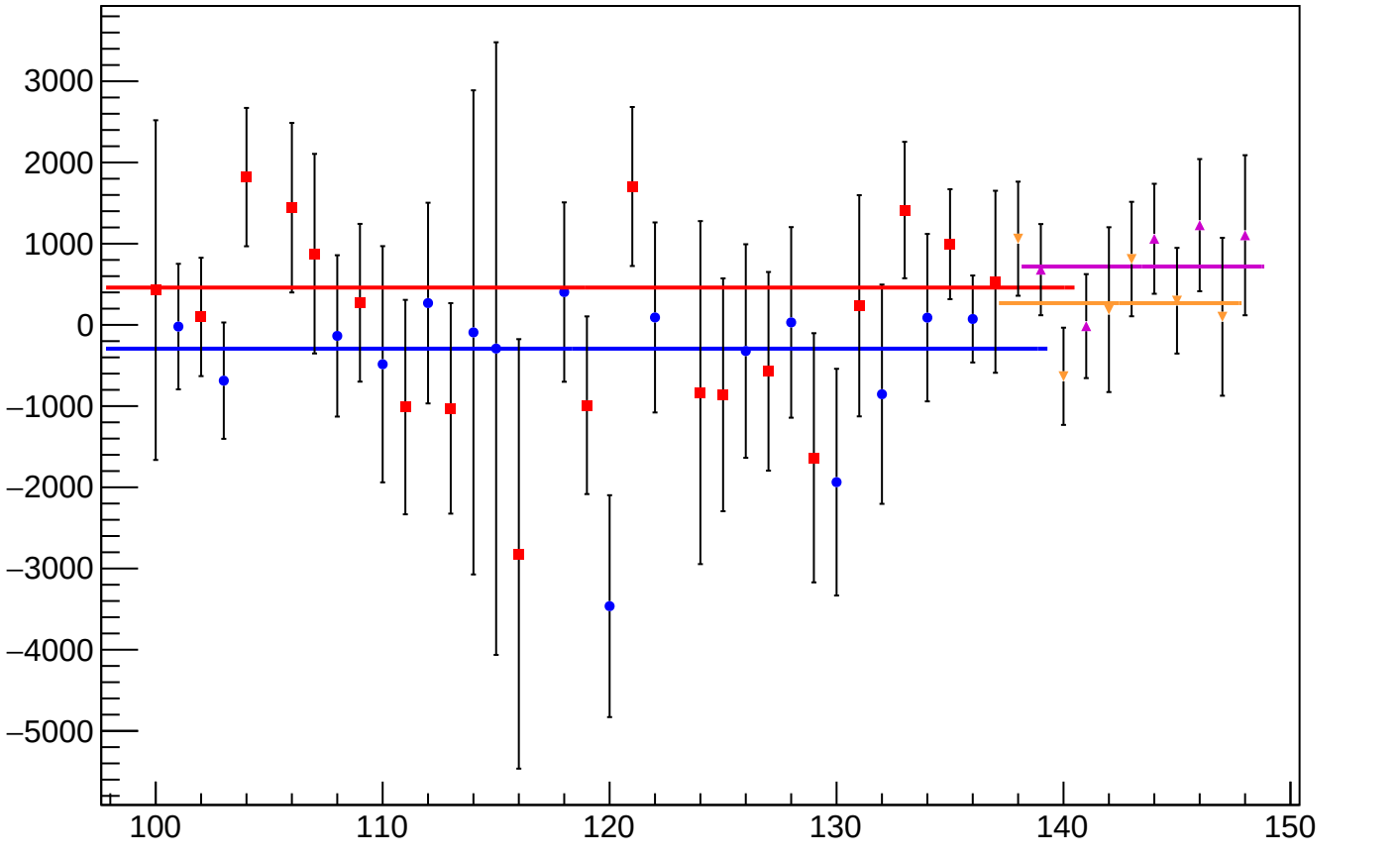
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

+ sign 92.720+/-0.019 χ^2/NDF: 226869.9/21

All: 93.022+/-0.014 χ^2/NDF: 489654.0/45

- sign 93.327+/-0.019 χ^2/NDF: 262287.3/23



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

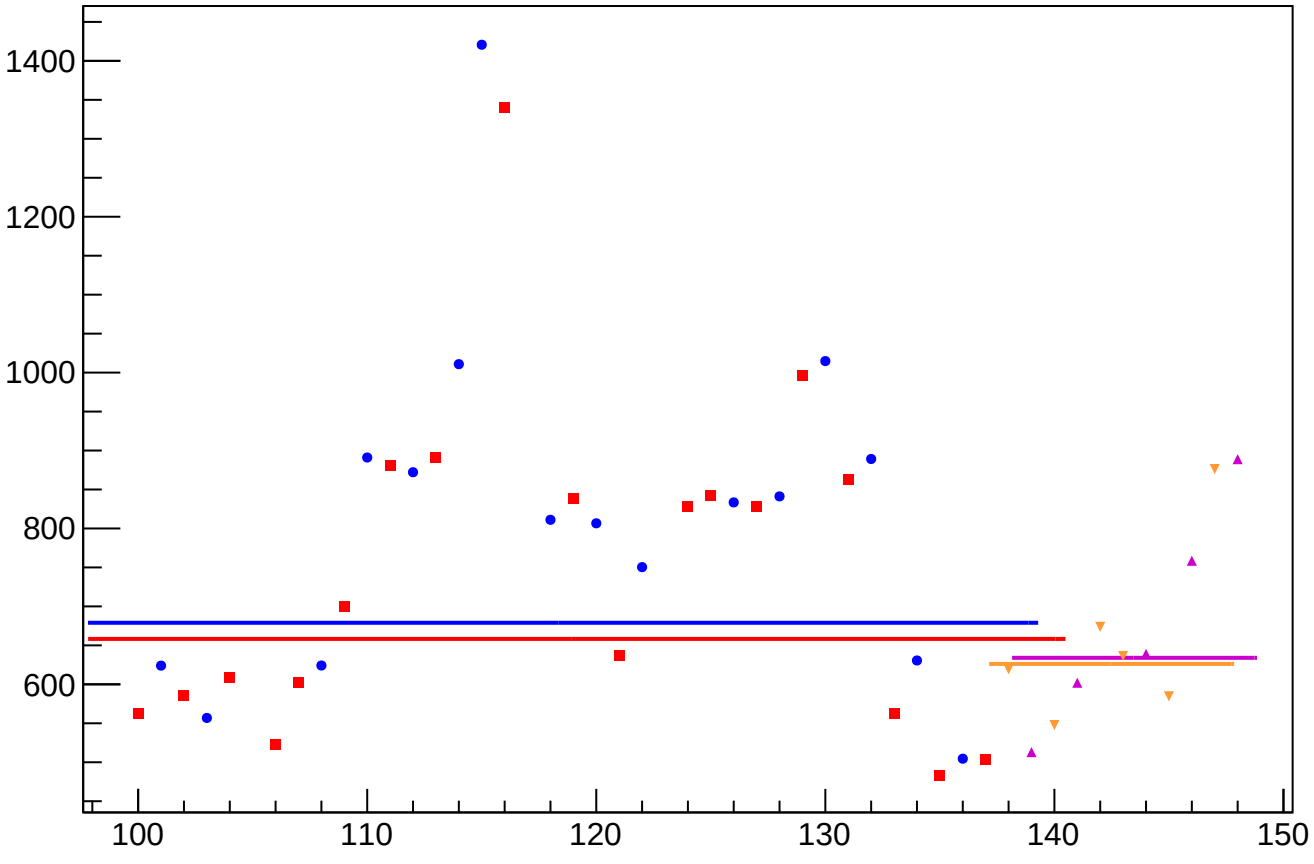
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 718.664+/-311.125 χ^2/NDF:2.1/4

\+ sign -51.215+/-195.932 χ^2/NDF: 15.0/21

All: 256.887+/-138.094 χ^2/NDF: 39.5/45

\- sign 561.014+/-194.664 χ^2/NDF: 19.6/23



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

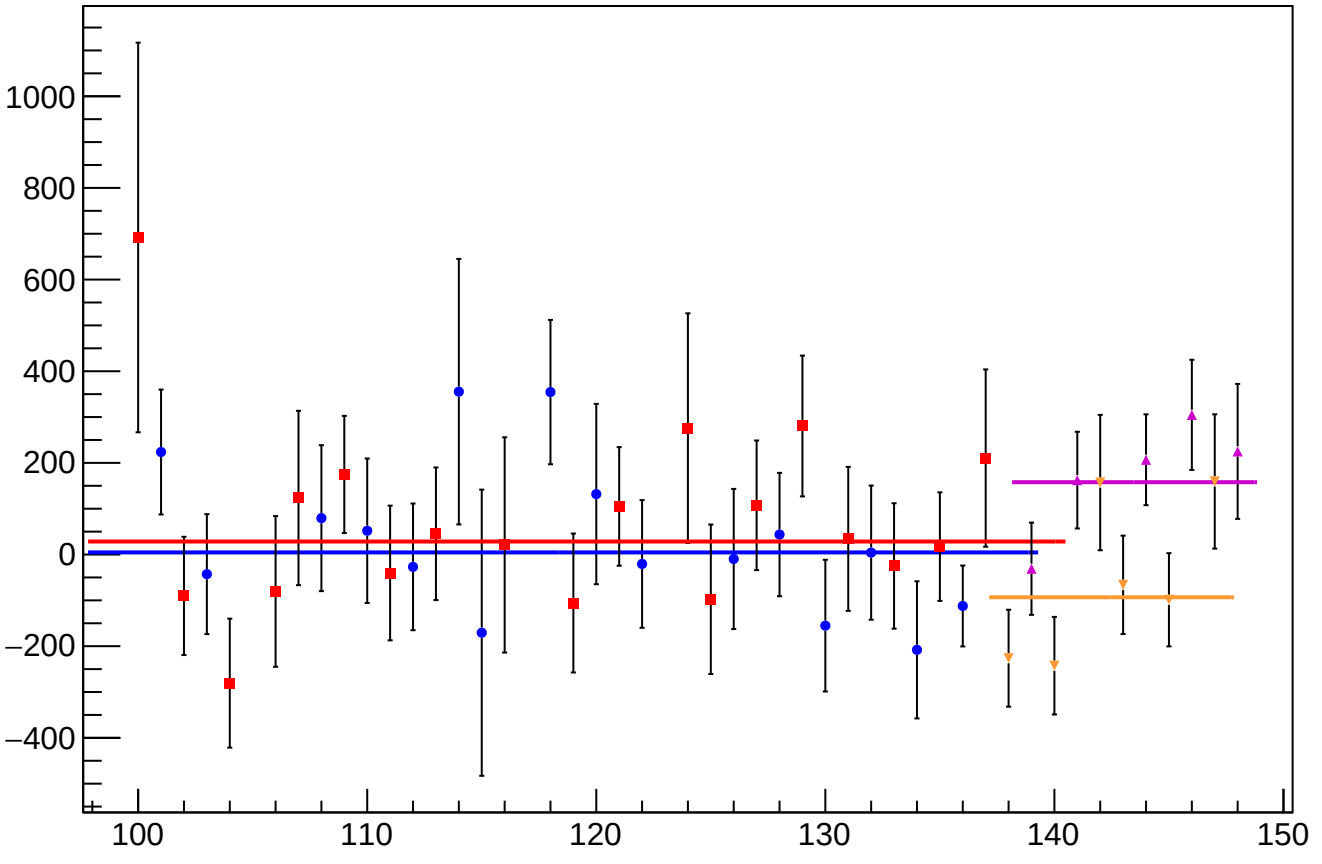
Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

+ sign 656.259+/-0.139 χ^2/NDF: 983338.0/21

All: 652.489+/-0.098 χ^2/NDF: 2076673.2/45

- sign 648.768+/-0.138 χ^2/NDF: 1091863.9/23



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

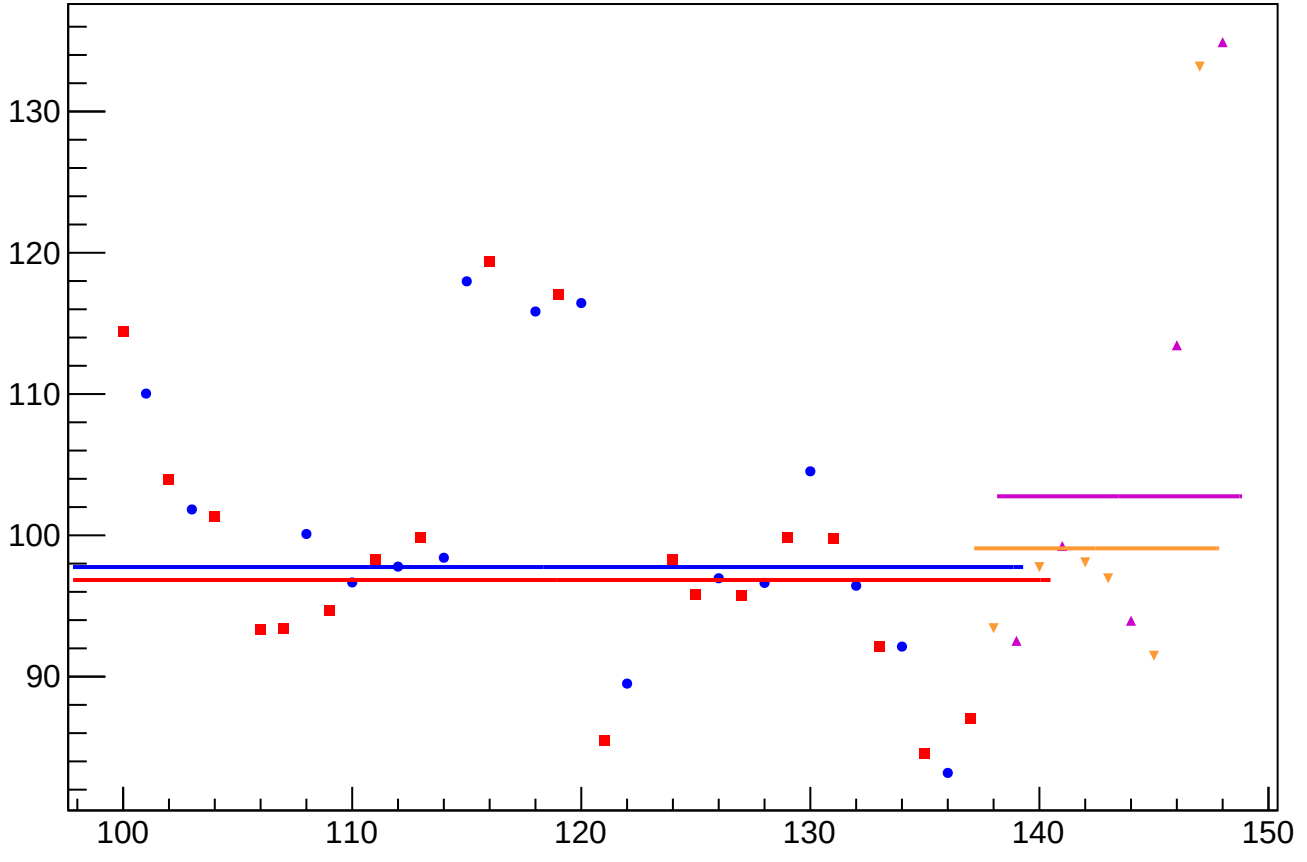
Left In: 157.865+/-49.648 χ^2/NDF:5.5/4

+ sign -32.227+/-28.825 χ^2/NDF: 27.5/21

All: 19.900+/-20.394 χ^2/NDF: 61.1/45

- sign 72.146+/-28.858 χ^2/NDF: 27.1/23

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

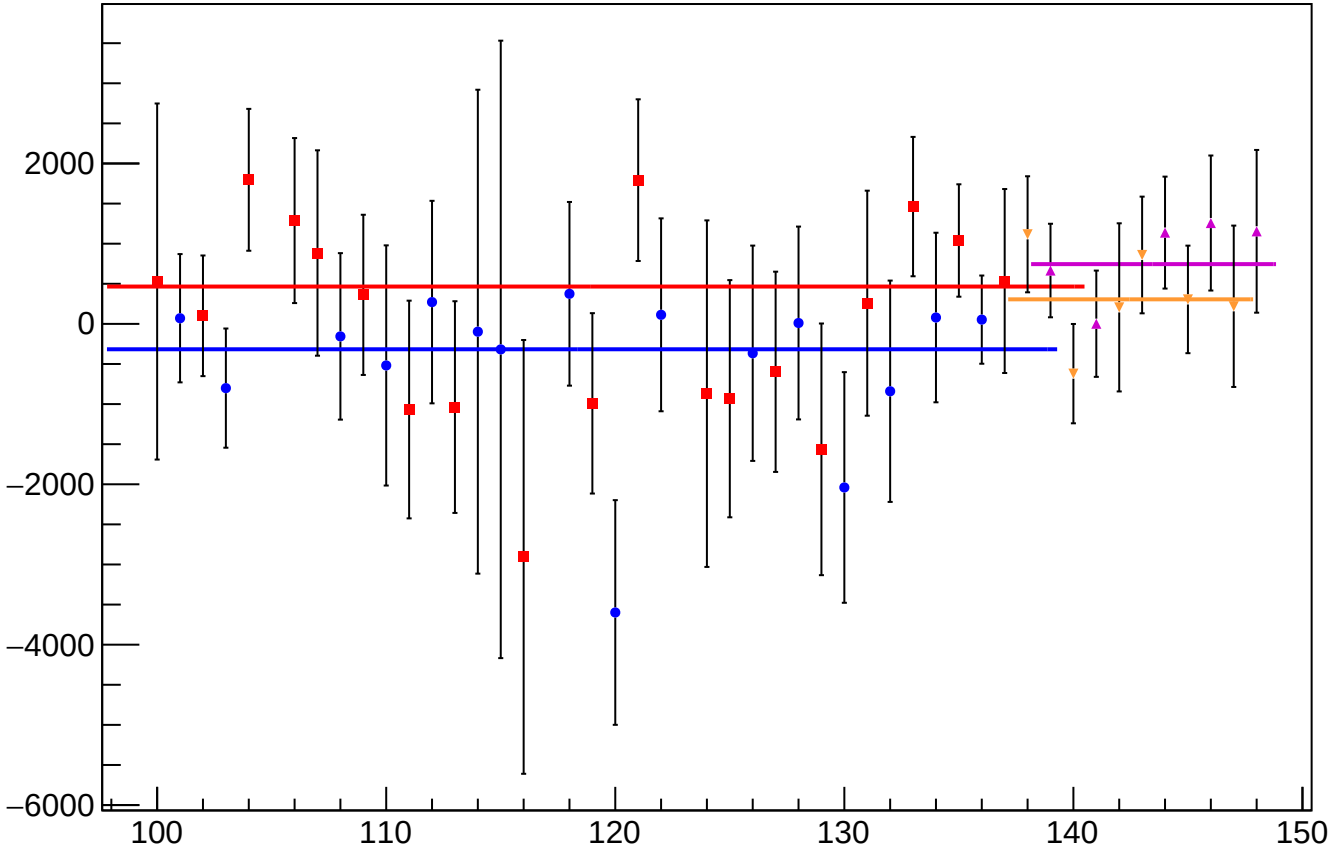
Left In: 102.763+/-0.035 χ^2/NDF:149776.9/4

+ sign 98.254+/-0.020 χ^2/NDF: 267929.7/21

All: 98.547+/-0.014 χ^2/NDF: 552142.0/45

- sign 98.841+/-0.020 χ^2/NDF: 283798.6/23

asym_sam_15_dd_dit_correction_mean vs Slug



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

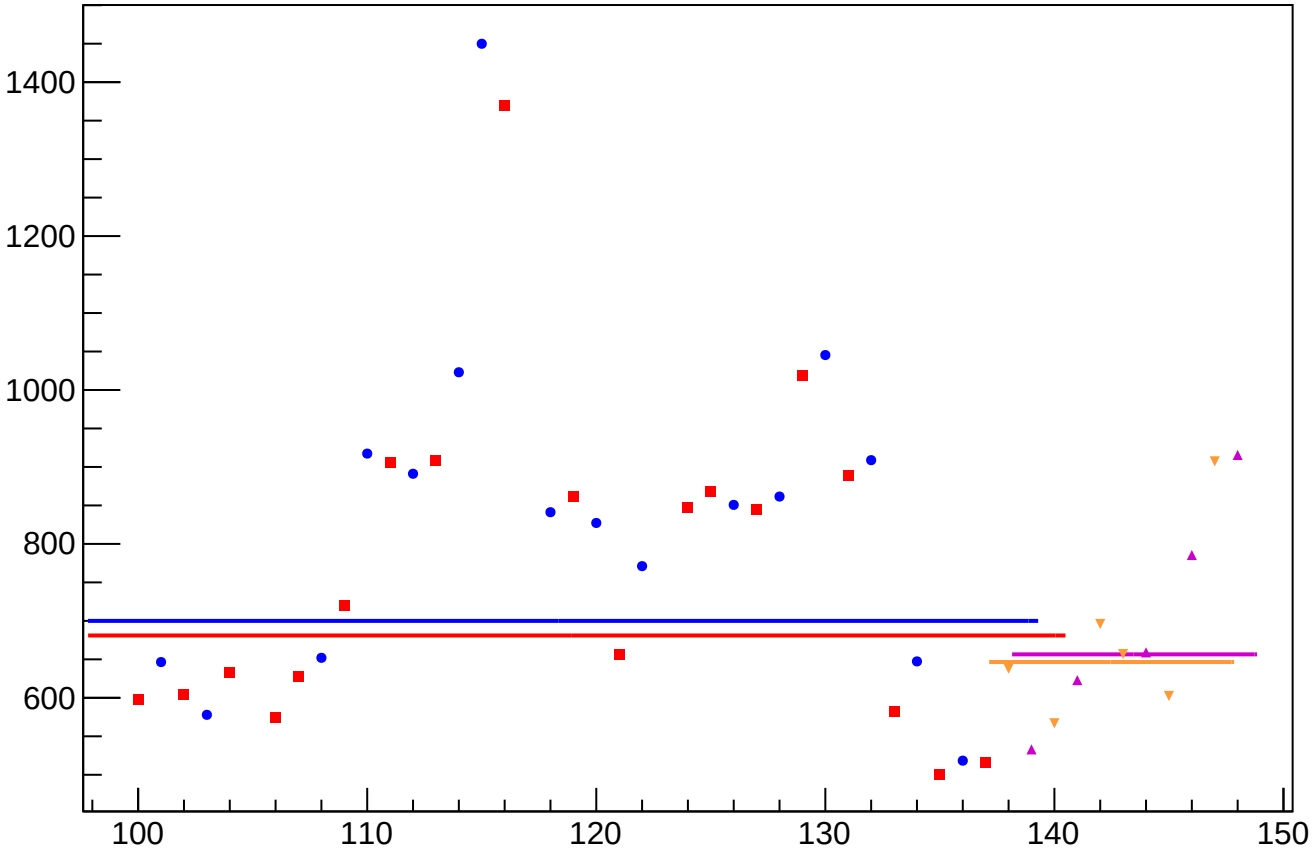
Left In: 745.172+/-321.849 χ^2/NDF:2.1/4

\+ sign -49.016+/-202.022 χ^2/NDF: 15.6/21

All: 264.728+/-142.367 χ^2/NDF: 39.4/45

\- sign 574.256+/-200.660 χ^2/NDF: 19.1/23

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

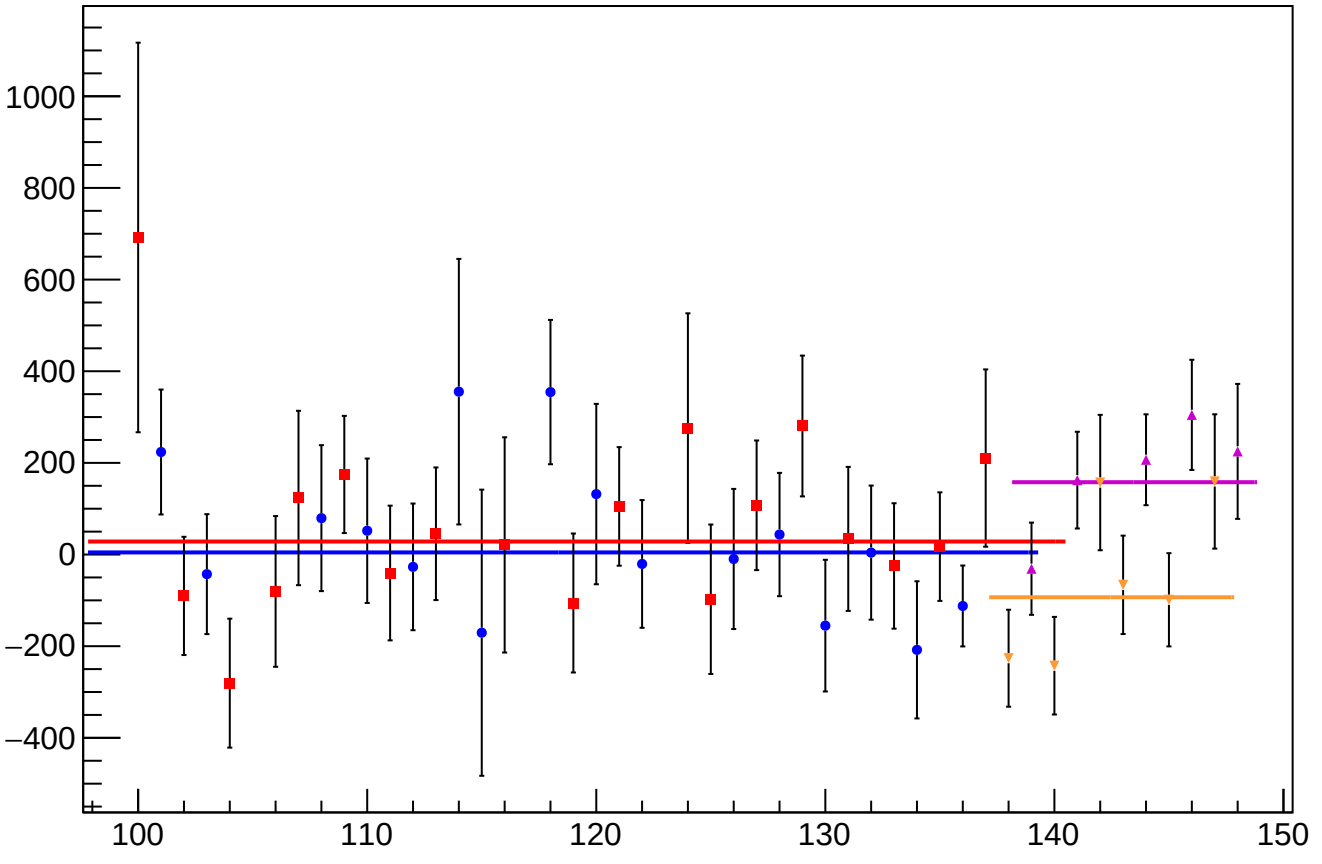
Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 656.478+/-0.228 χ^2/NDF:272273.7/4

+ sign 677.016+/-0.143 χ^2/NDF: 969098.3/21

All: 674.229+/-0.101 χ^2/NDF: 2018632.7/45

- sign 671.478+/-0.142 χ^2/NDF: 1048777.8/23



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

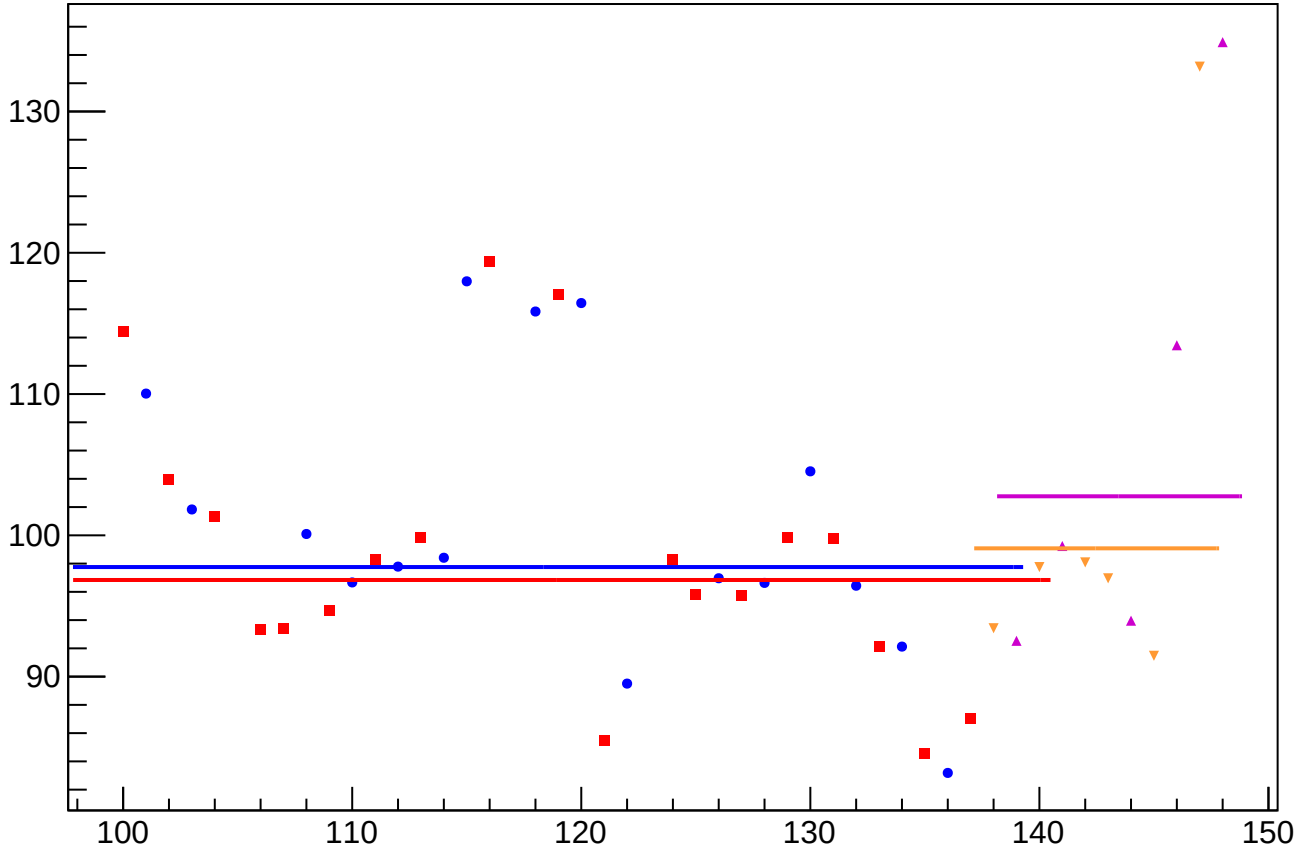
Left In: 157.866+/-49.648 χ^2/NDF:5.5/4

+ sign -32.227+/-28.825 χ^2/NDF: 27.5/21

All: 19.900+/-20.394 χ^2/NDF: 61.1/45

- sign 72.146+/-28.858 χ^2/NDF: 27.1/23

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

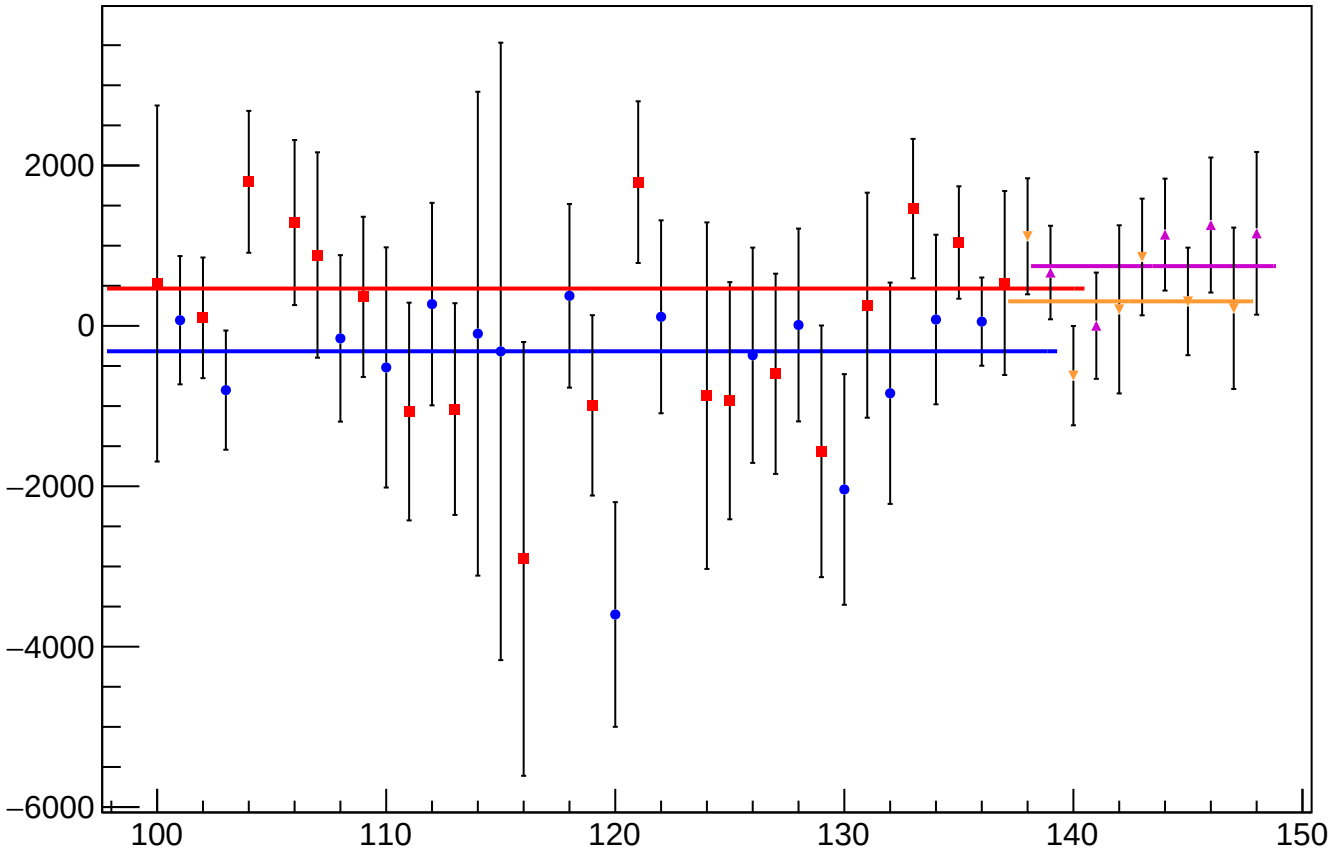
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 102.763+/-0.035 χ^2/NDF:149777.4/4

+ sign 98.254+/-0.020 χ^2/NDF: 267931.6/21

All: 98.547+/-0.014 χ^2/NDF: 552150.1/45

- sign 98.841+/-0.020 χ^2/NDF: 283804.8/23



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.081+/-308.188 χ^2/NDF:4.1/5

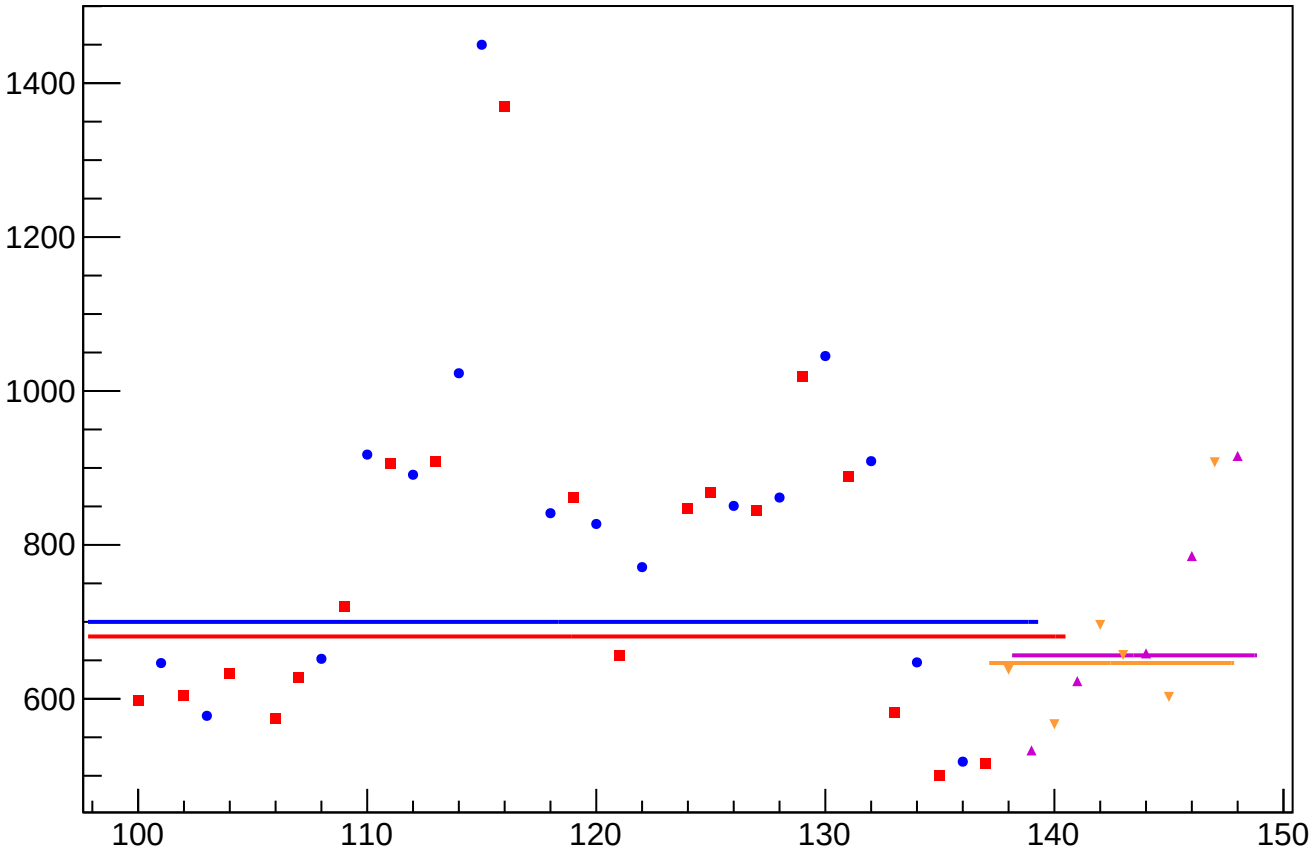
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 745.174+/-321.849 χ^2/NDF:2.1/4

+ sign -49.016+/-202.022 χ^2/NDF: 15.6/21

All: 264.728+/-142.367 χ^2/NDF: 39.4/45

- sign 574.256+/-200.660 χ^2/NDF: 19.1/23



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

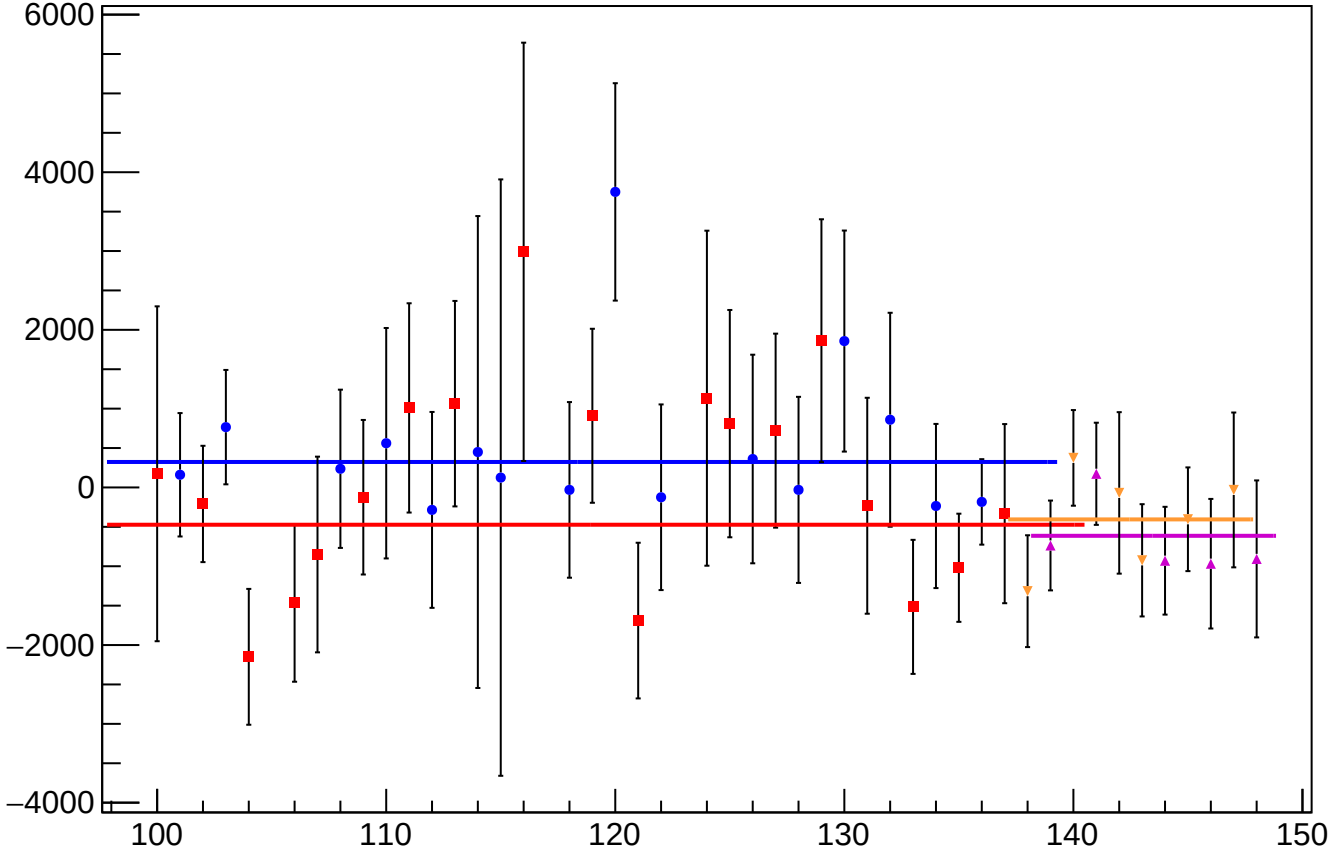
Left In: 656.479+/-0.228 χ^2/NDF:272273.5/4

+ sign 677.016+/-0.143 χ^2/NDF: 969097.8/21

All: 674.228+/-0.101 χ^2/NDF: 2018633.7/45

- sign 671.478+/-0.142 χ^2/NDF: 1048779.3/23

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

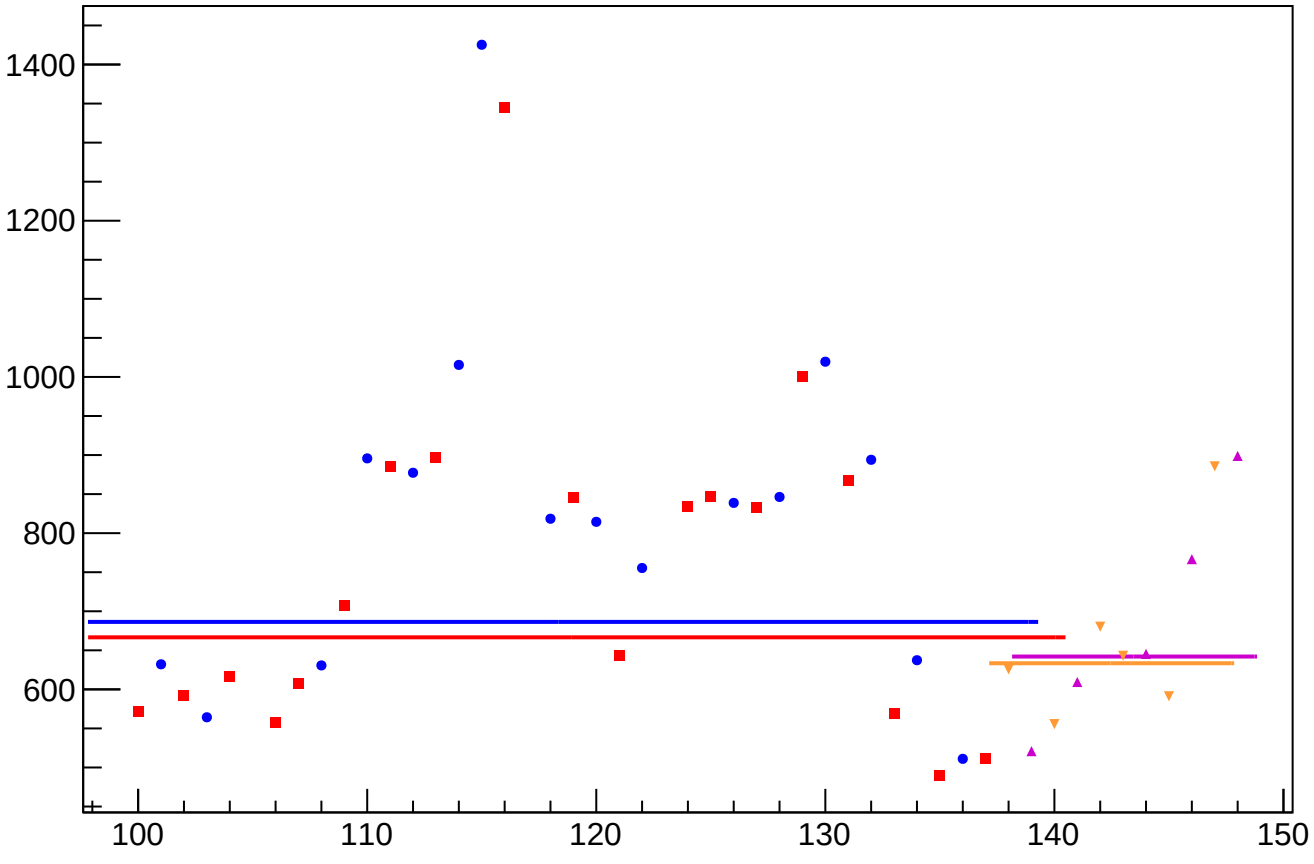
Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -613.712+/-314.898 χ^2/NDF:2.0/4

+ sign 9.630+/-198.022 χ^2/NDF: 17.1/21

All: -261.297+/-139.458 χ^2/NDF: 42.4/45

- sign -527.898+/-196.435 χ^2/NDF: 21.5/23



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 633.446+/-0.213 χ^2/NDF:177707.8/5

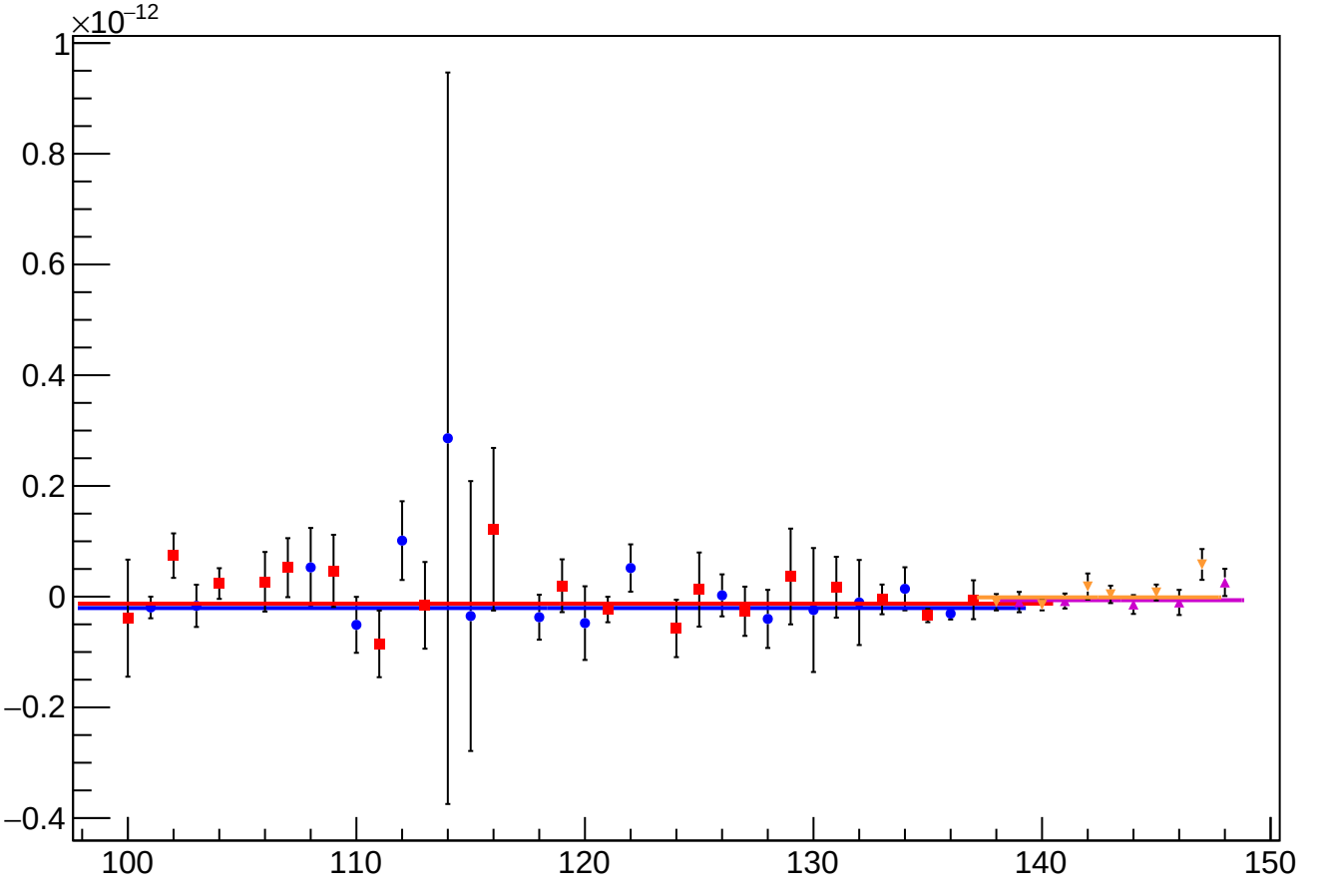
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.043+/-0.223 χ^2/NDF:274480.0/4

+ sign 663.616+/-0.140 χ^2/NDF: 962213.6/21

All: 660.314+/-0.099 χ^2/NDF: 2022281.1/45

- sign 657.065+/-0.139 χ^2/NDF: 1058964.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/5

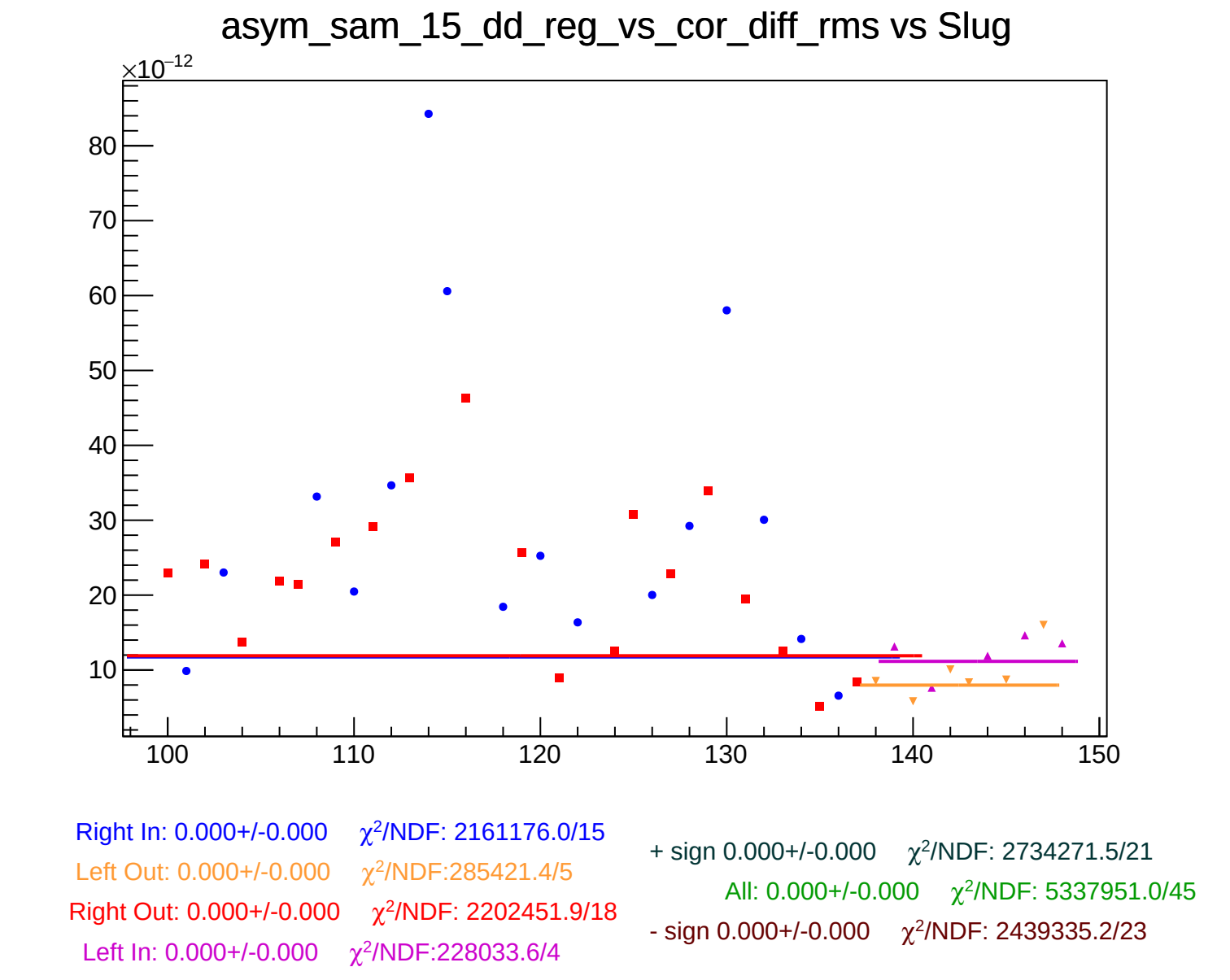
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/21

All: -0.000+/-0.000 χ^2/NDF: 41.1/45

- sign -0.000+/-0.000 χ^2/NDF: 19.3/23


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
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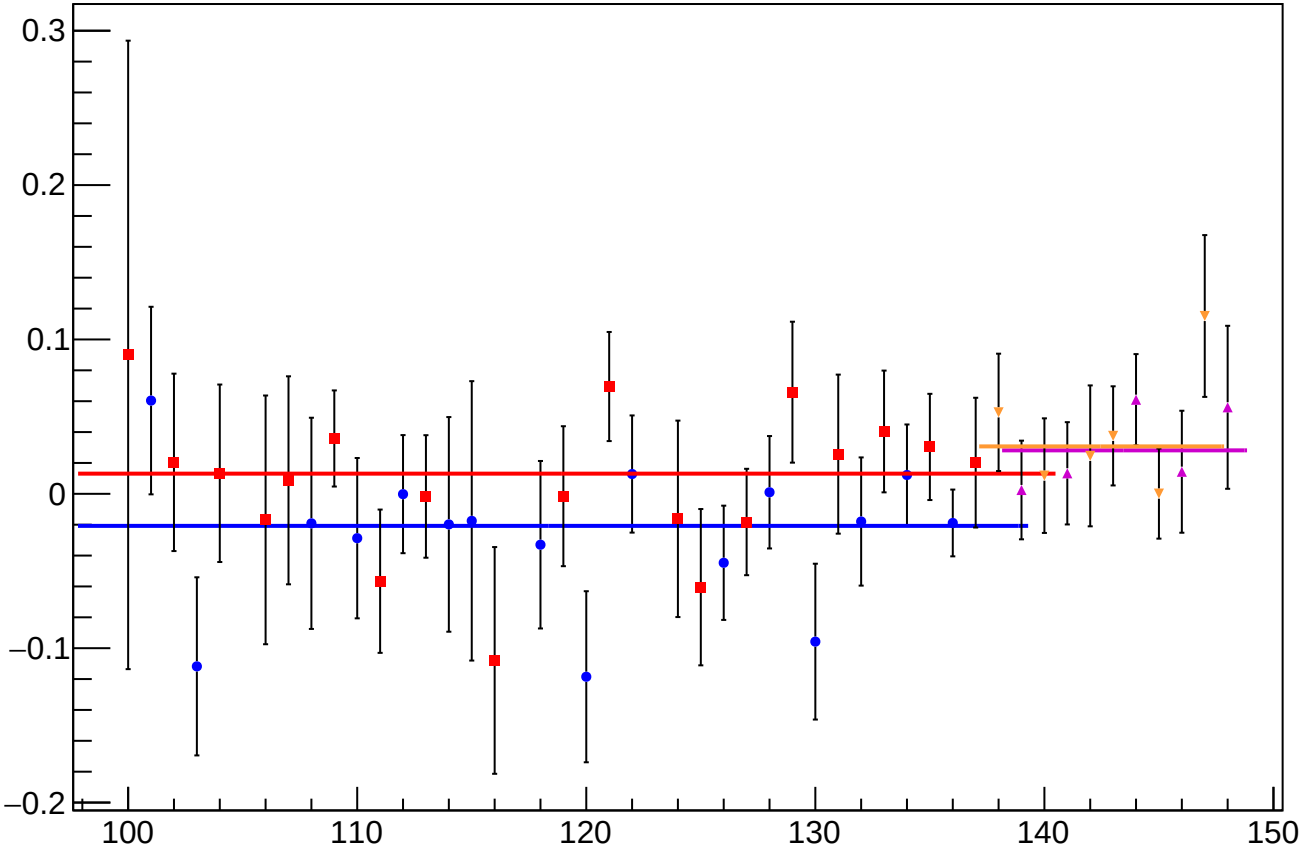
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:285421.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:228033.6/4
+ sign 0.000+/-0.000 χ²/NDF: 2734271.5/21
All: 0.000+/-0.000 χ²/NDF: 5337951.0/45
- sign 0.000+/-0.000 χ²/NDF: 2439335.2/23

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

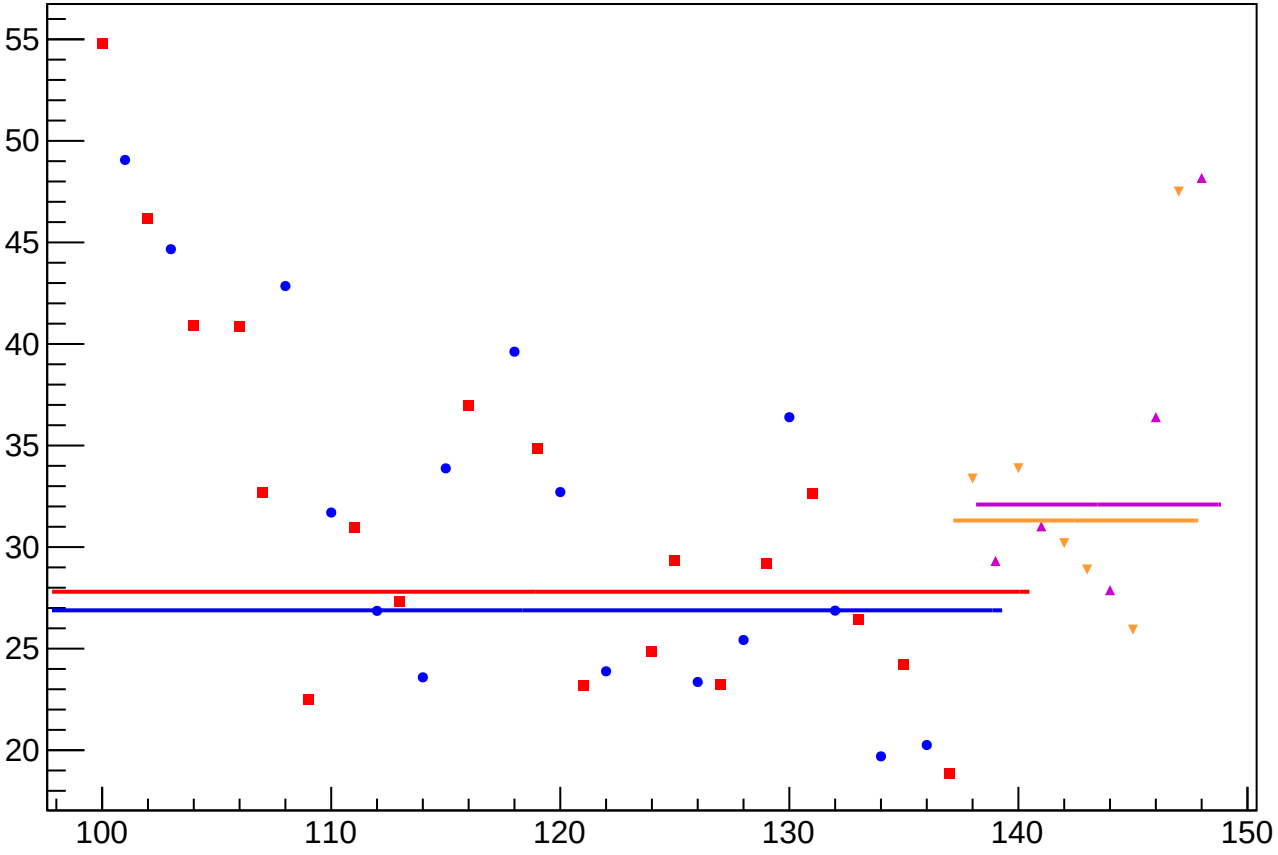
Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.007+/-0.006 χ^2/NDF: 44.9/45

\- sign 0.018+/-0.009 χ^2/NDF: 17.0/23

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

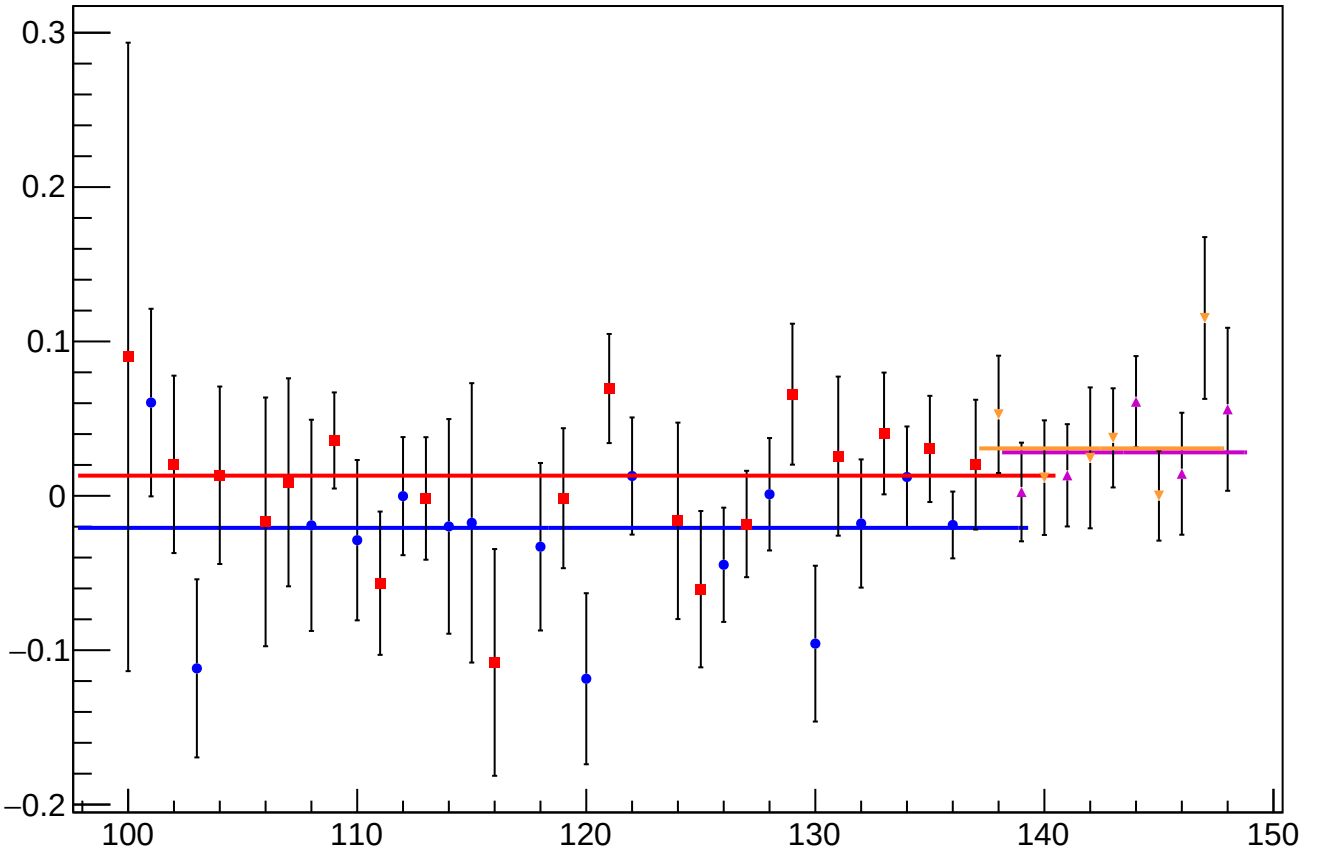
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

+ sign 28.334+/-0.006 χ^2/NDF: 1523373.1/21

All: 28.726+/-0.004 χ^2/NDF: 2664745.8/45

- sign 29.131+/-0.006 χ^2/NDF: 1132951.1/23



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

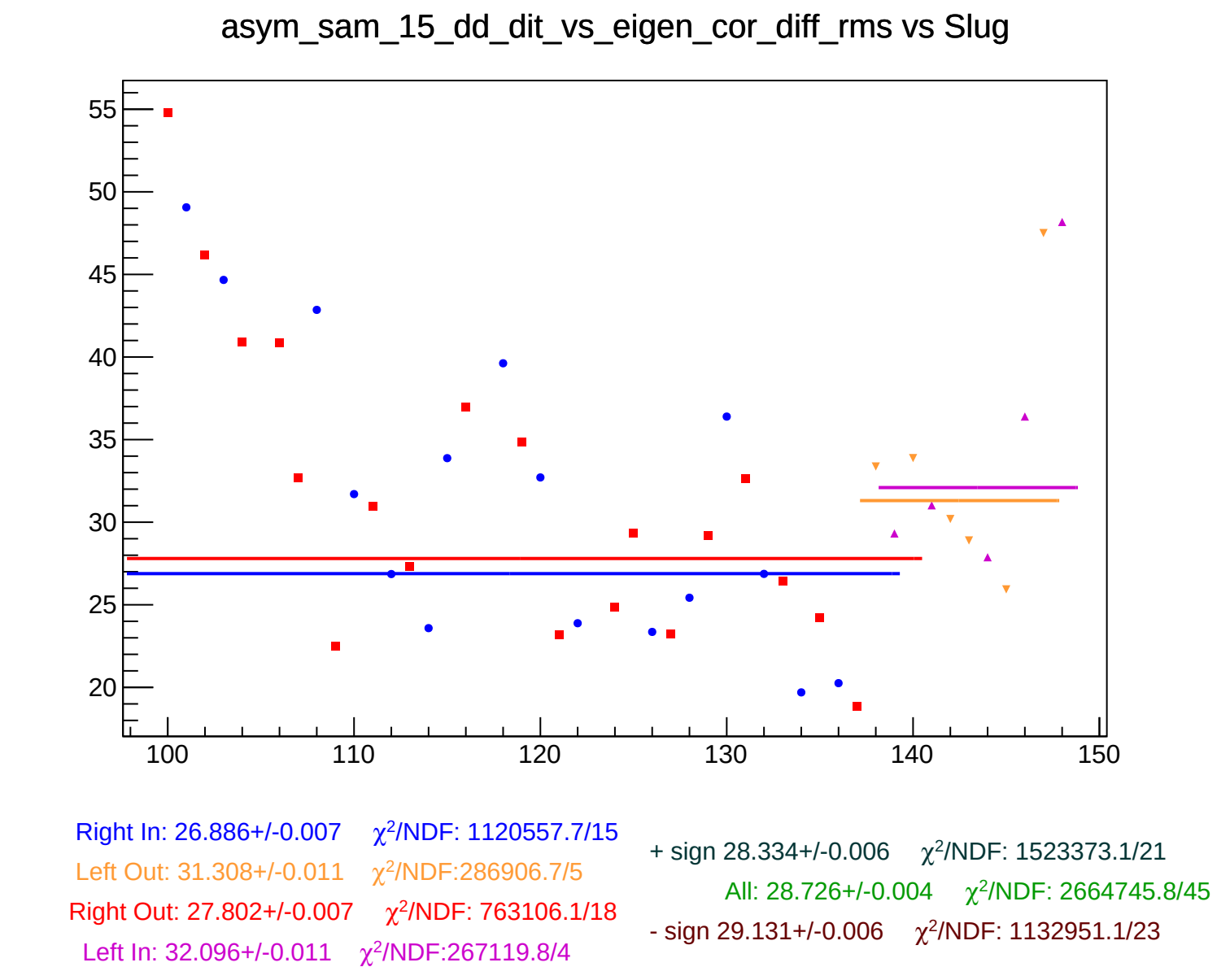
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.007+/-0.006 χ^2/NDF: 44.9/45

\- sign 0.018+/-0.009 χ^2/NDF: 17.0/23


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
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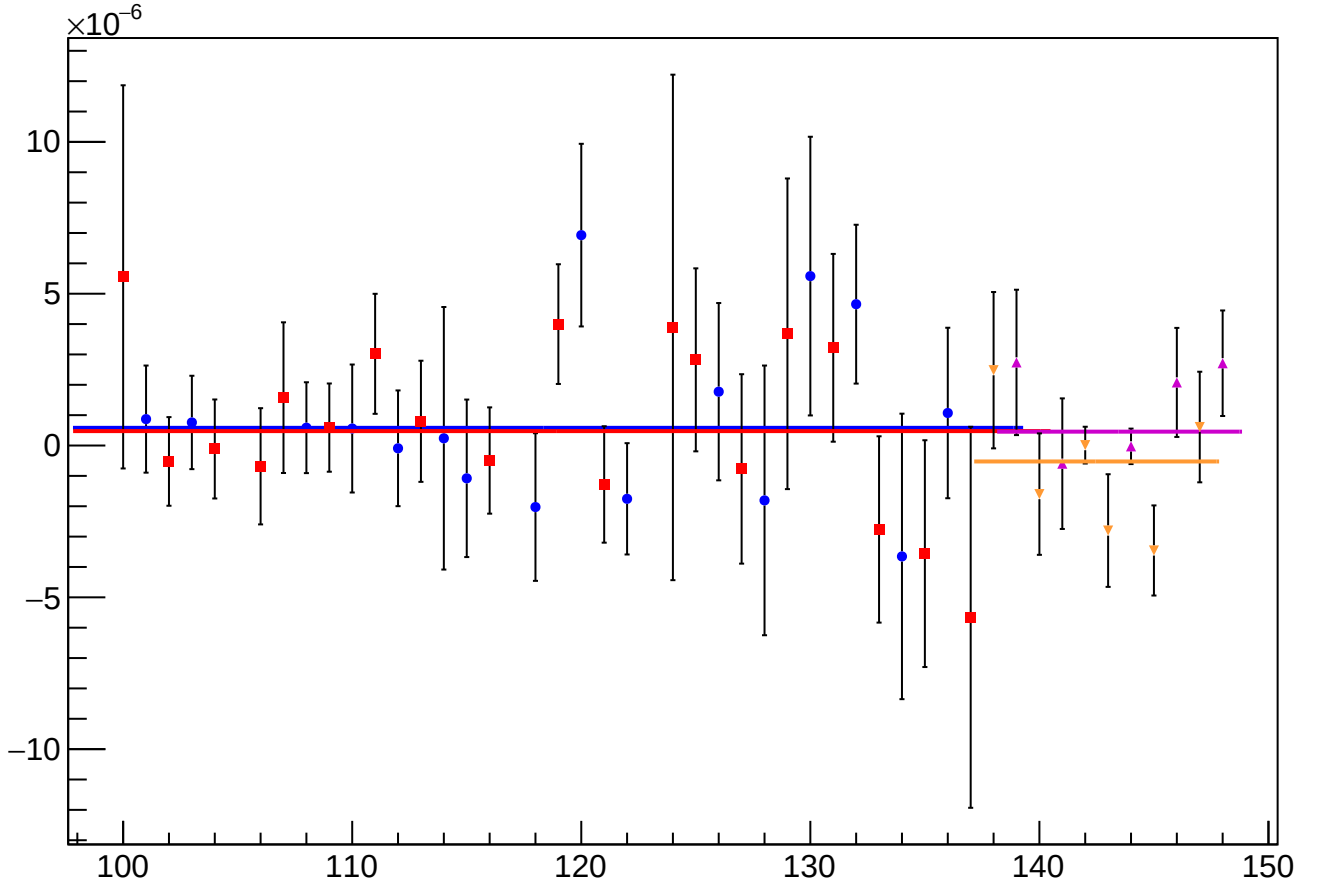
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.308+/-0.011 χ²/NDF:286906.7/5
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 32.096+/-0.011 χ²/NDF:267119.8/4
+ sign 28.334+/-0.006 χ²/NDF: 1523373.1/21
All: 28.726+/-0.004 χ²/NDF: 2664745.8/45
- sign 29.131+/-0.006 χ²/NDF: 1132951.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

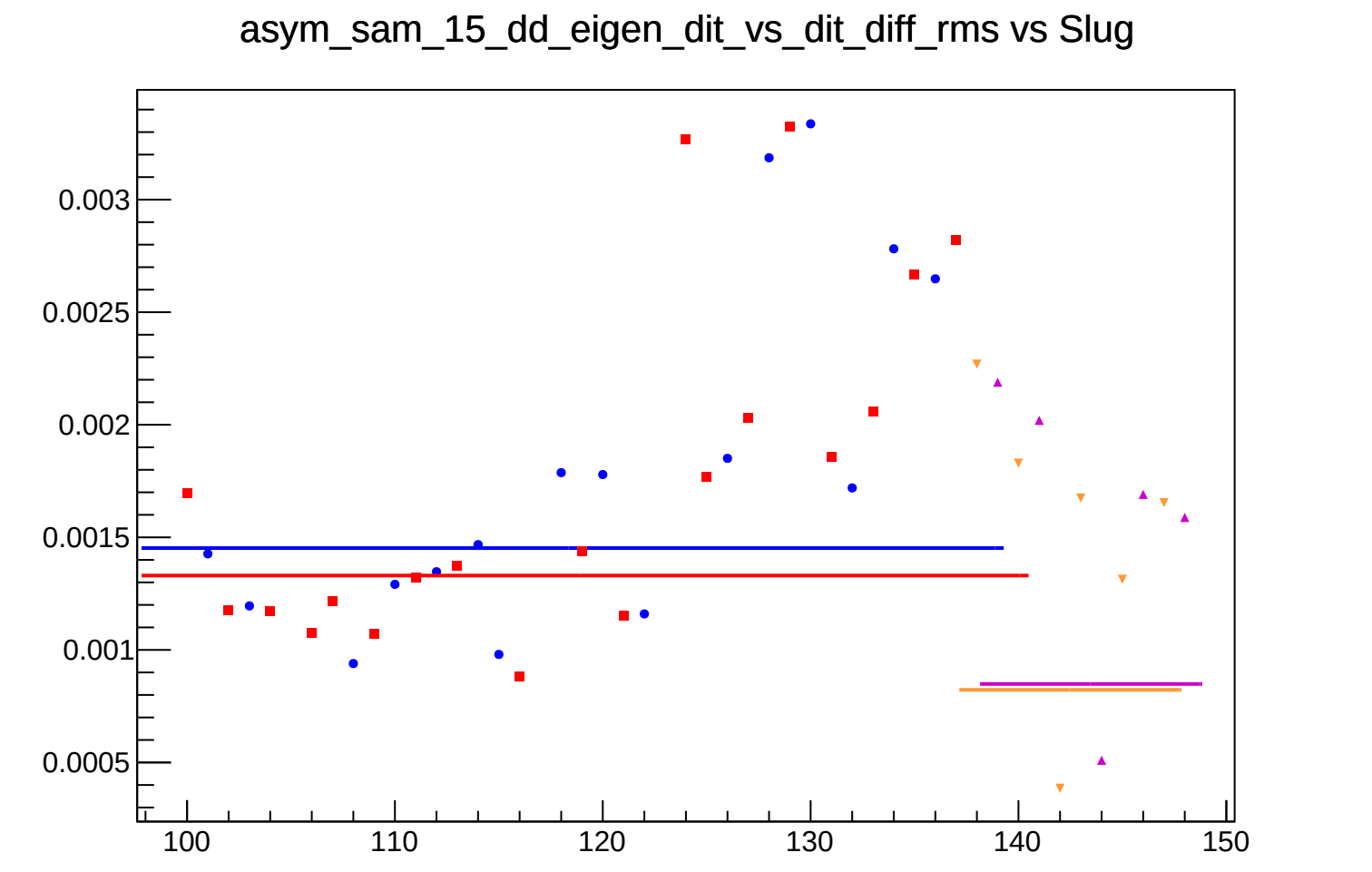
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/21

All: 0.000+/-0.000 χ^2/NDF: 41.7/45

- sign 0.000+/-0.000 χ^2/NDF: 17.5/23



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3237330.3/5

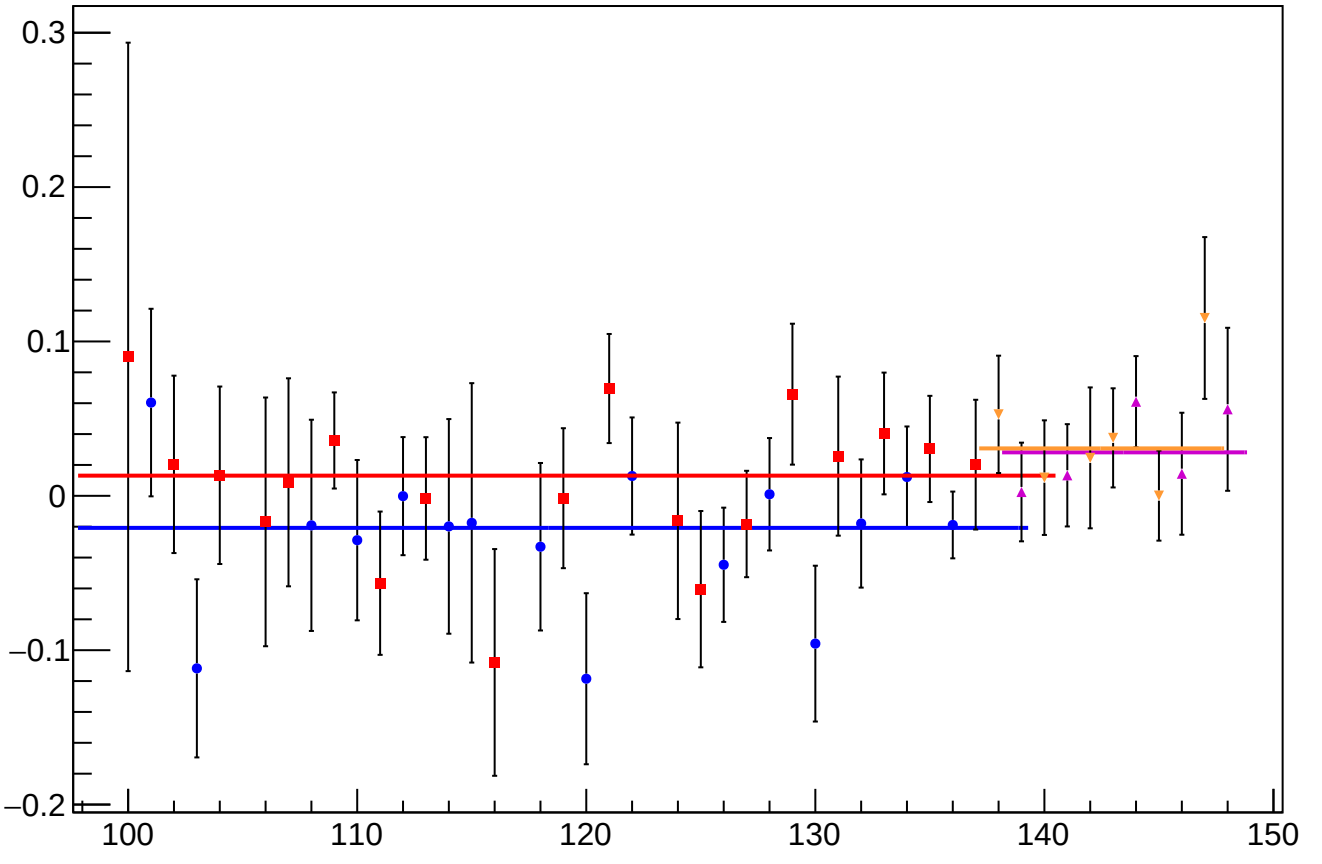
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2695038.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 6333750.6/21

All: 0.001+/-0.000 χ^2/NDF: 11321213.2/45

- sign 0.001+/-0.000 χ^2/NDF: 4987317.4/23



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

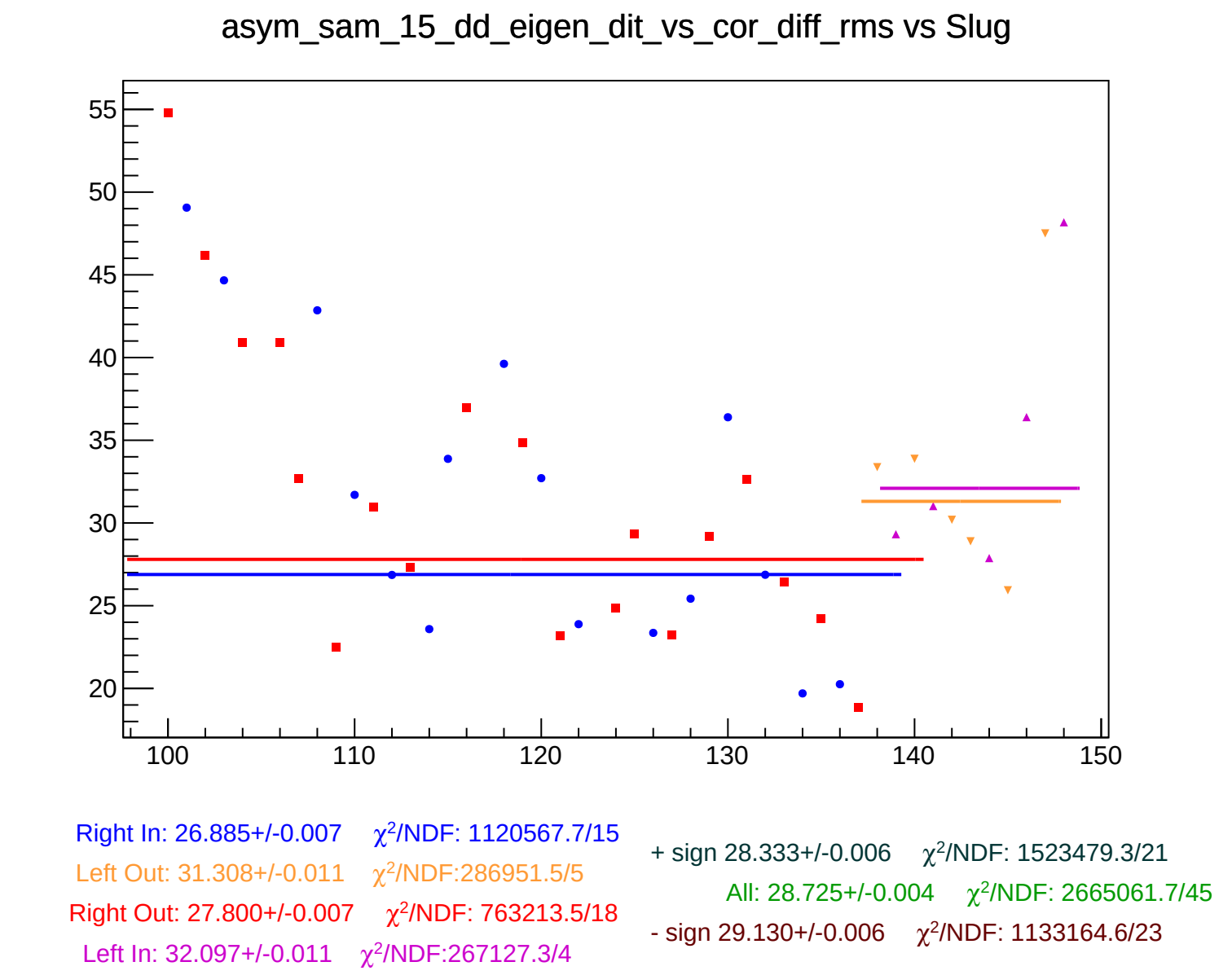
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.007+/-0.006 χ^2/NDF: 44.9/45

- sign 0.018+/-0.009 χ^2/NDF: 17.0/23


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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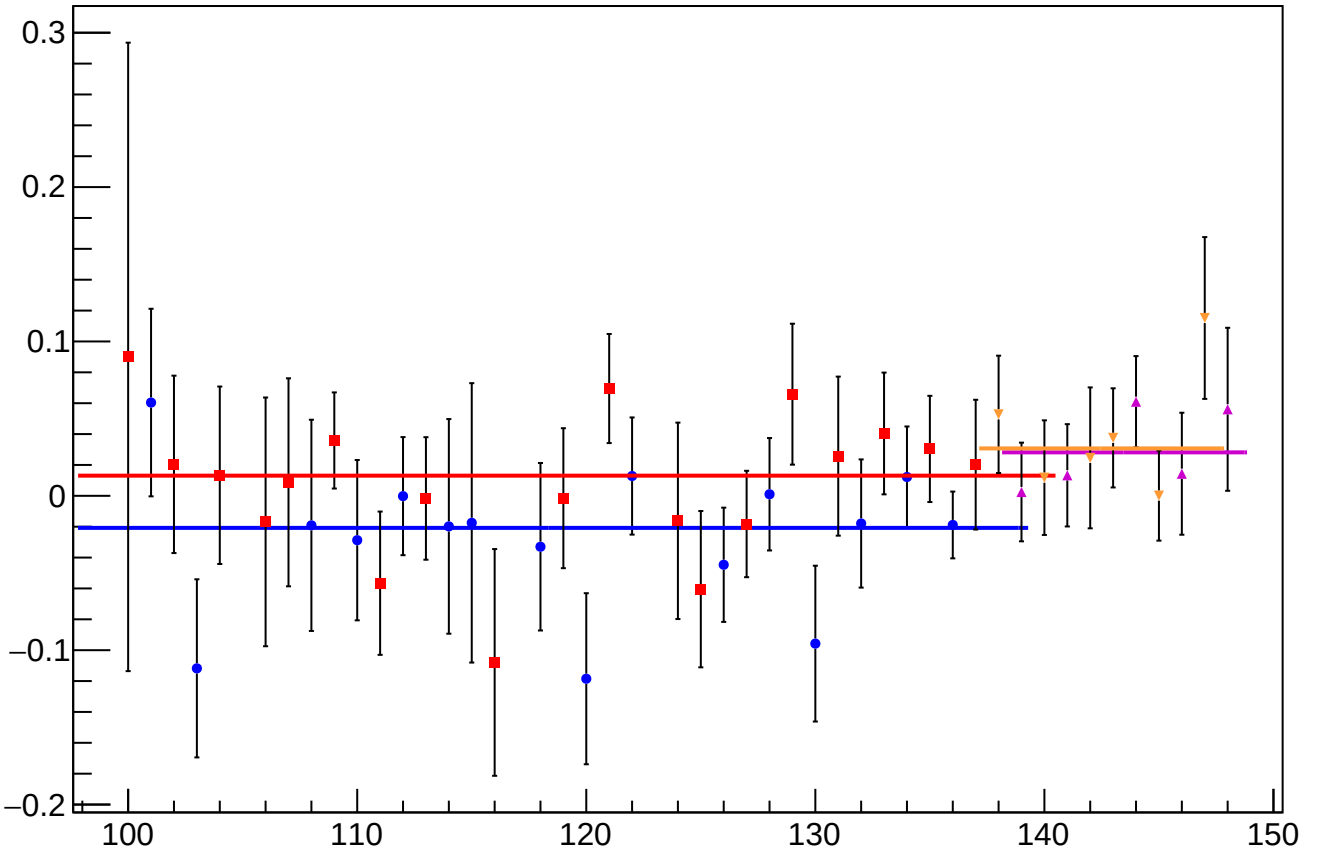
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.308+/-0.011 χ²/NDF:286951.5/5
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.097+/-0.011 χ²/NDF:267127.3/4
+ sign 28.333+/-0.006 χ²/NDF: 1523479.3/21
All: 28.725+/-0.004 χ²/NDF: 2665061.7/45
- sign 29.130+/-0.006 χ²/NDF: 1133164.6/23



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

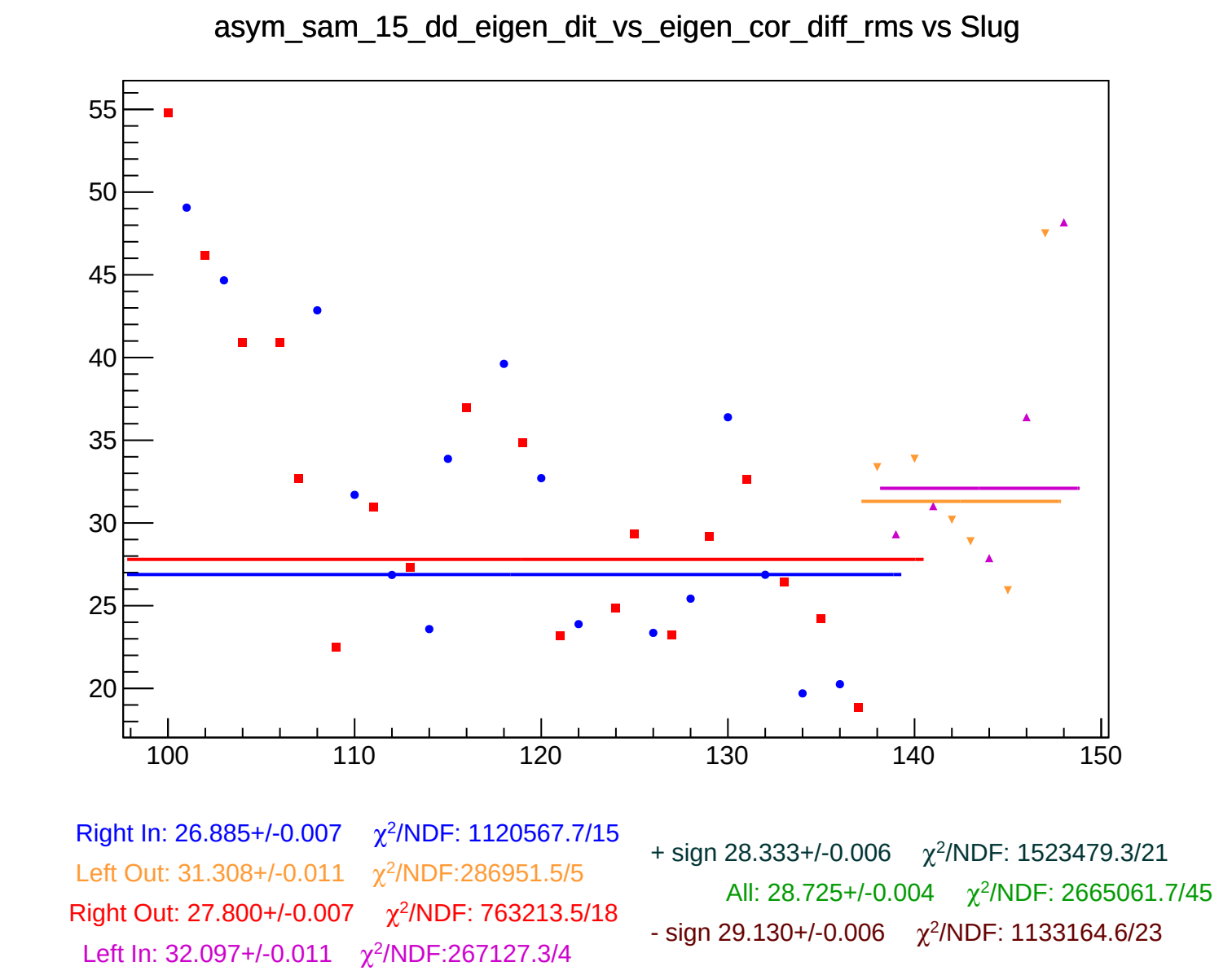
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.004+/-0.009 χ^2/NDF: 24.8/21

All: 0.007+/-0.006 χ^2/NDF: 44.9/45

\- sign 0.018+/-0.009 χ^2/NDF: 17.0/23


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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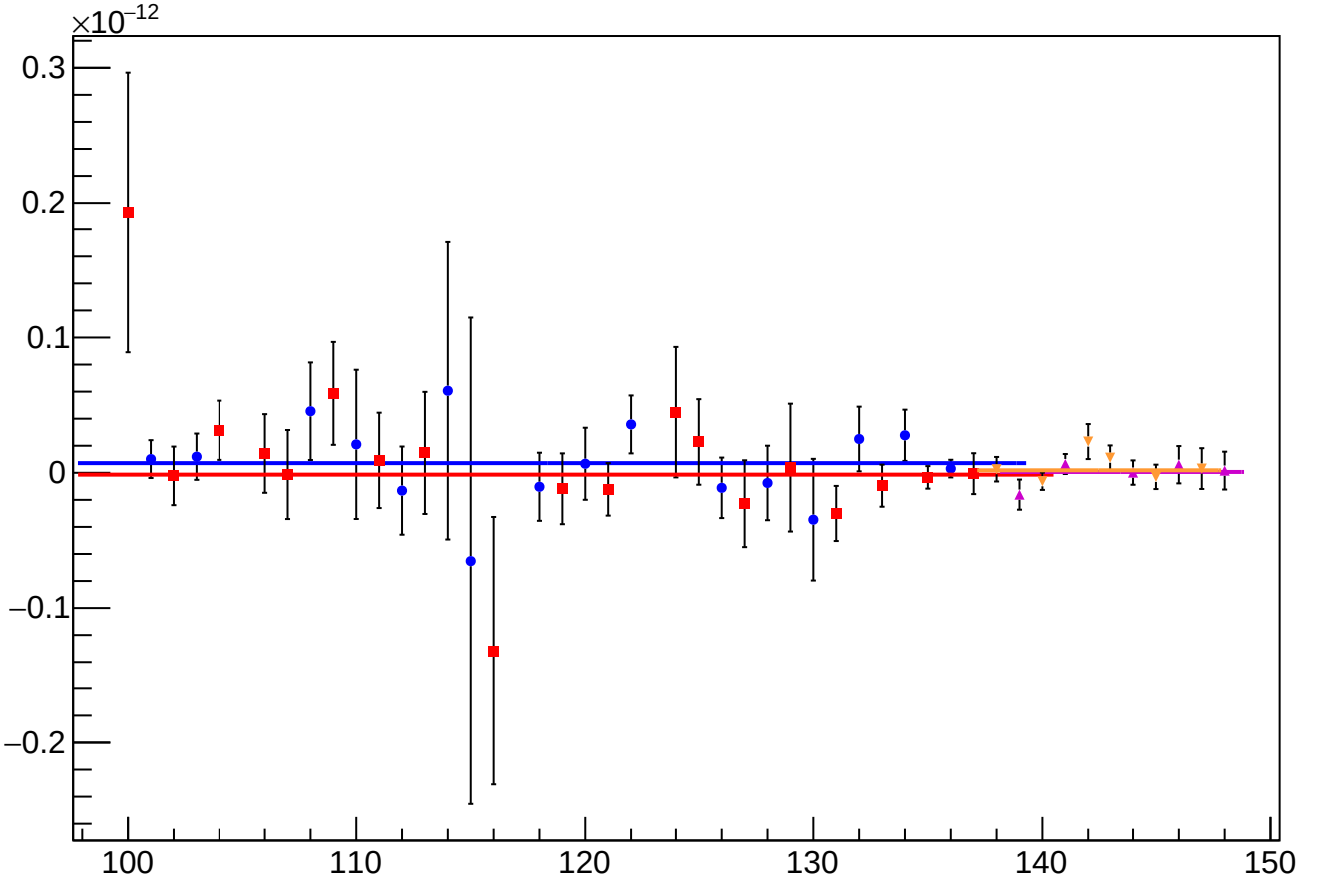
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.308+/-0.011 χ²/NDF:286951.5/5
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.097+/-0.011 χ²/NDF:267127.3/4
+ sign 28.333+/-0.006 χ²/NDF: 1523479.3/21
All: 28.725+/-0.004 χ²/NDF: 2665061.7/45
- sign 29.130+/-0.006 χ²/NDF: 1133164.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/5

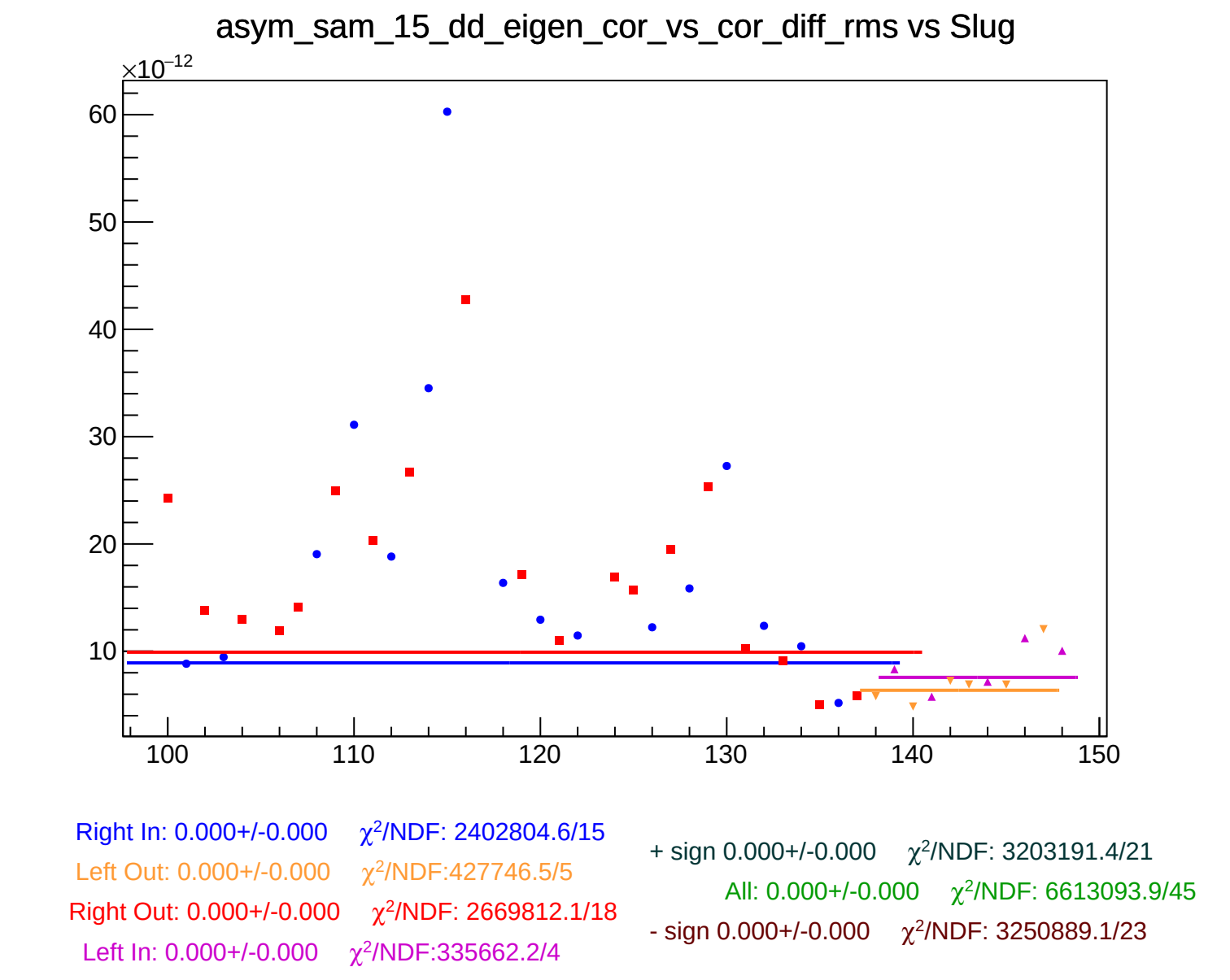
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 14.8/21

All: 0.000+/-0.000 χ^2/NDF: 34.1/45

- sign -0.000+/-0.000 χ^2/NDF: 18.4/23


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
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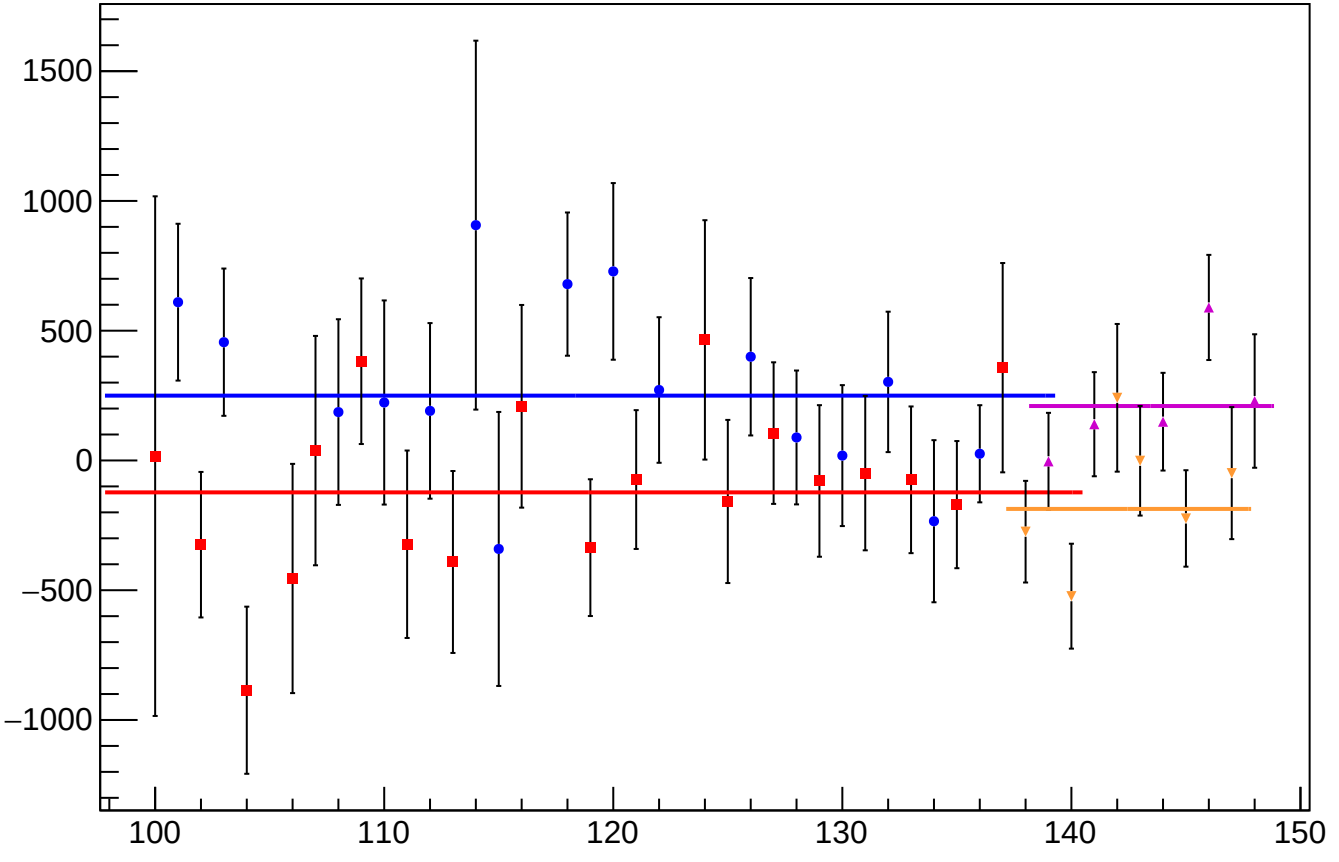
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:427746.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:335662.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3203191.4/21
All: 0.000+/-0.000 χ²/NDF: 6613093.9/45
- sign 0.000+/-0.000 χ²/NDF: 3250889.1/23

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

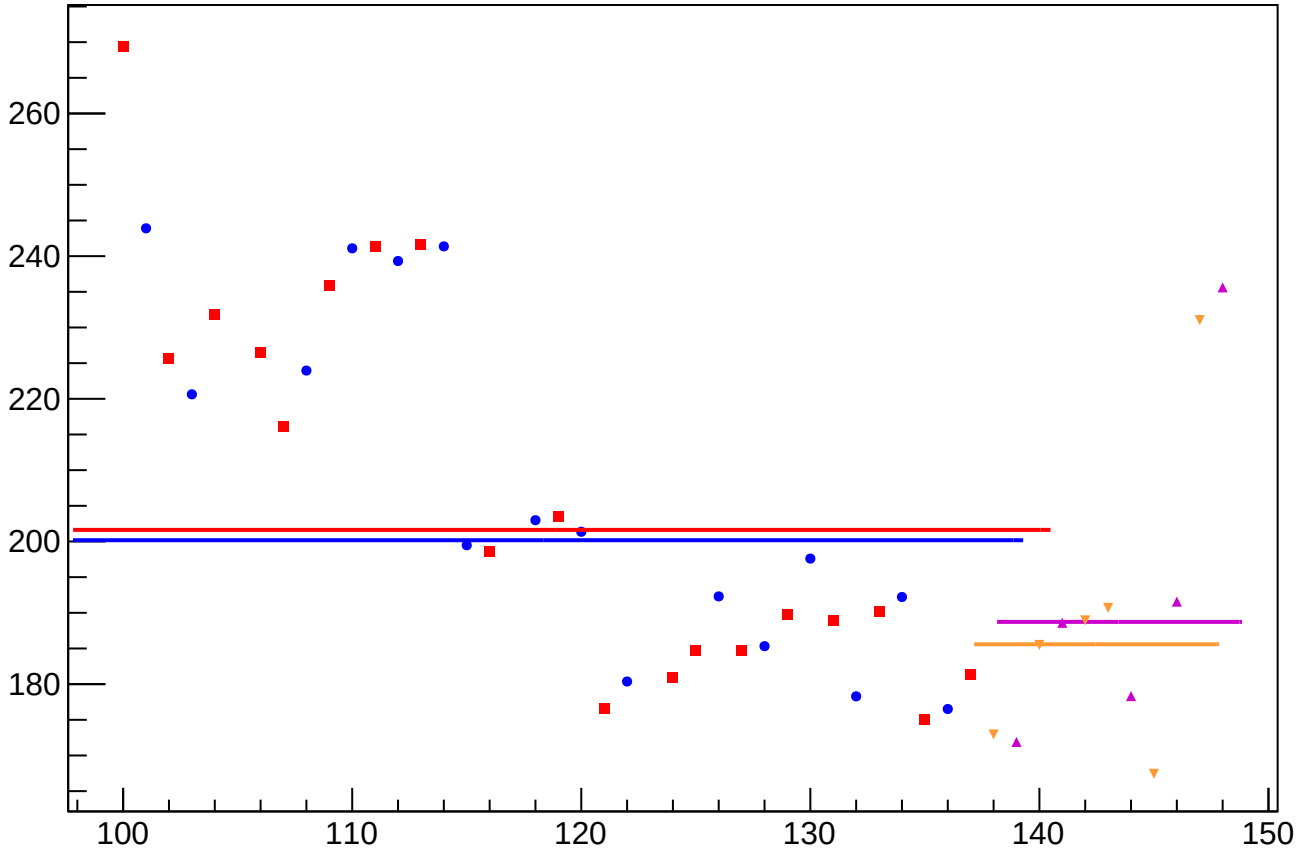
Left In: 209.723+/-90.836 χ^2/NDF:5.0/4

+ sign 65.952+/-56.971 χ^2/NDF: 34.4/21

All: 38.518+/-40.486 χ^2/NDF: 63.5/45

- sign 10.529+/-57.544 χ^2/NDF: 28.6/23

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

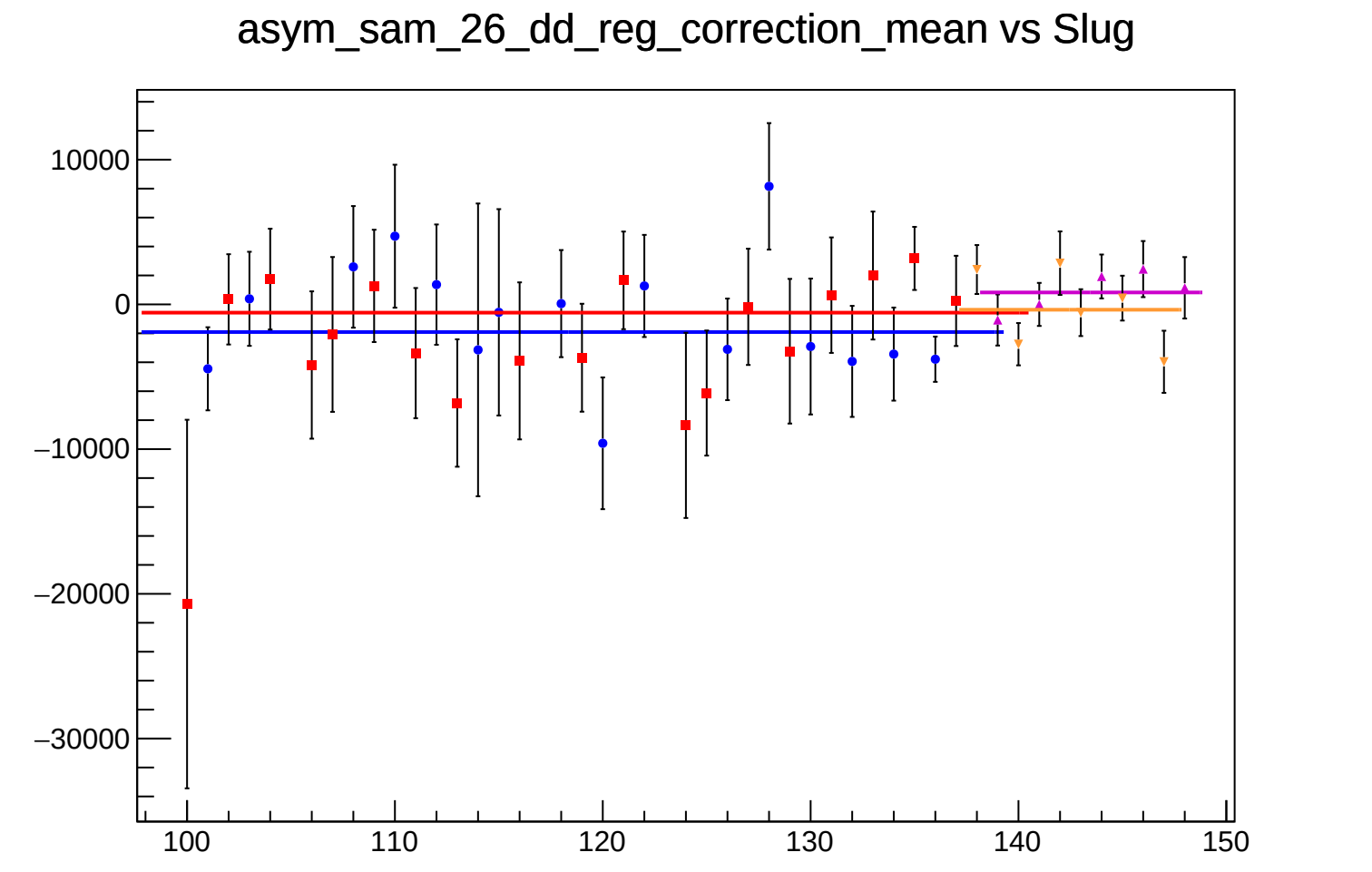
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 194.035+/-0.040 χ^2/NDF: 305703.9/21

All: 195.231+/-0.029 χ^2/NDF: 618095.1/45

- sign 196.451+/-0.041 χ^2/NDF: 310610.6/23



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

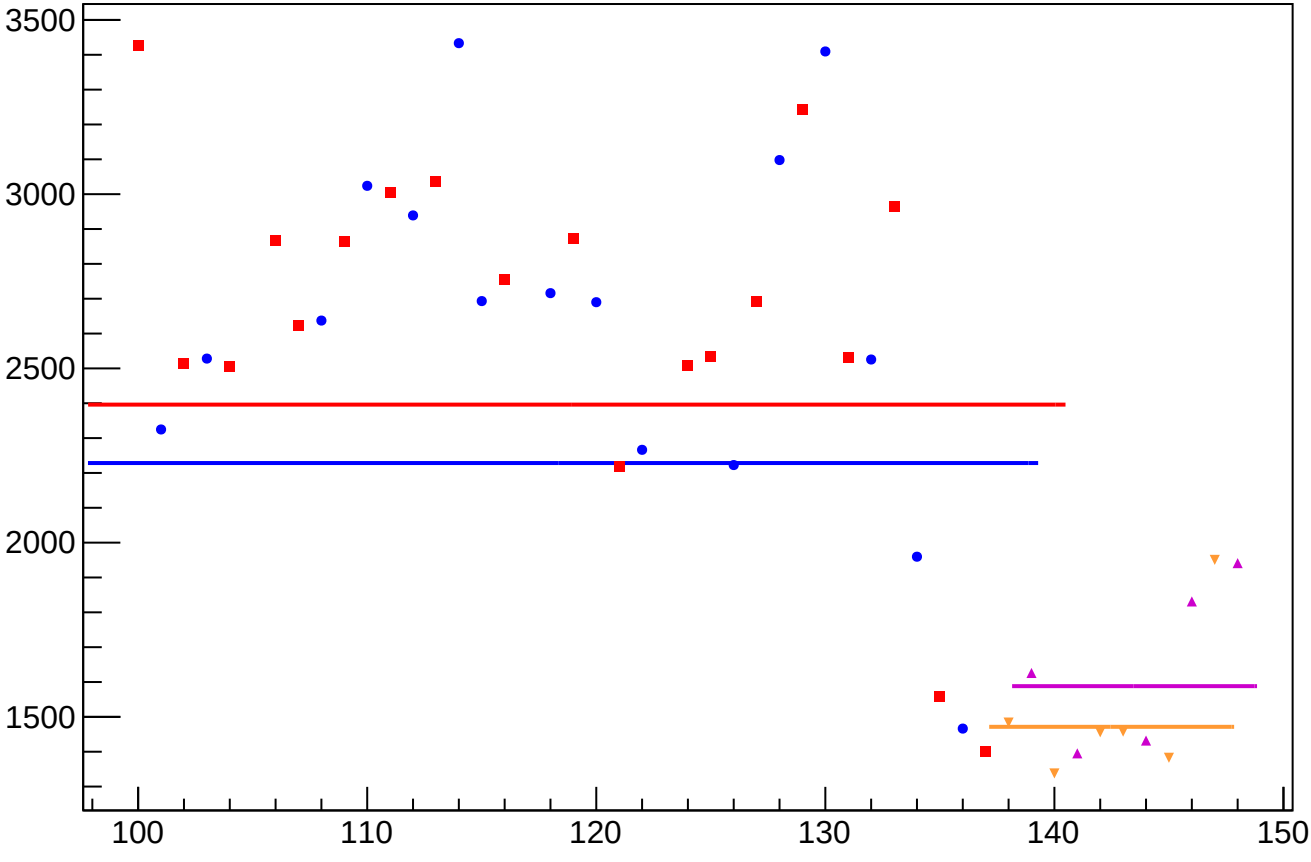
Left In: 825.062+/-767.859 χ^2/NDF:2.7/4

\+ sign -984.343+/-542.627 χ^2/NDF: 28.8/21

All: -418.598+/-397.602 χ^2/NDF: 49.9/45

\- sign 237.312+/-584.269 χ^2/NDF: 18.7/23

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

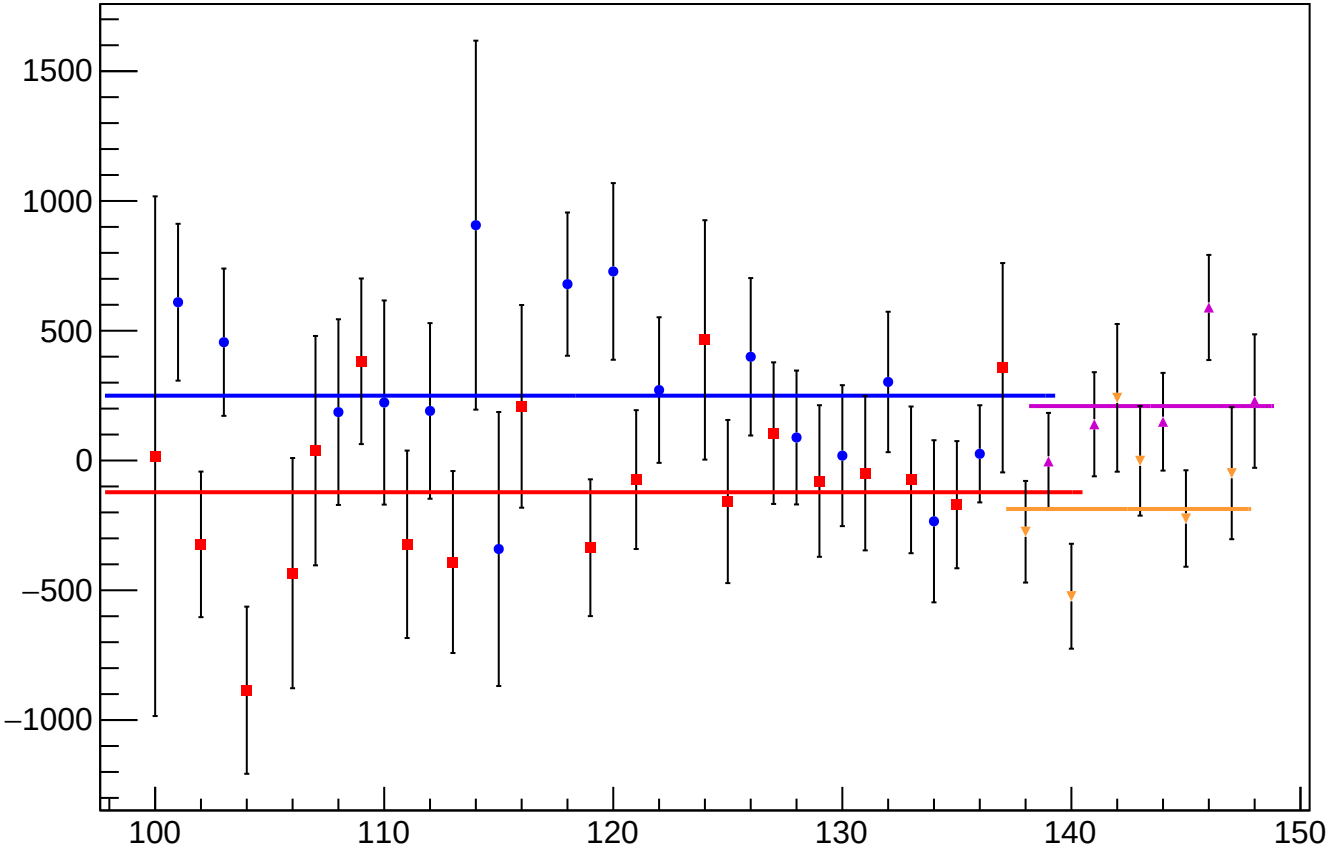
Left In: 1588.157+/-0.543 χ^2/NDF:142584.0/4

+ sign 1773.455+/-0.384 χ^2/NDF: 2004299.8/21

All: 1845.168+/-0.281 χ^2/NDF: 3953962.2/45

- sign 1928.310+/-0.413 χ^2/NDF: 1874231.3/23

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

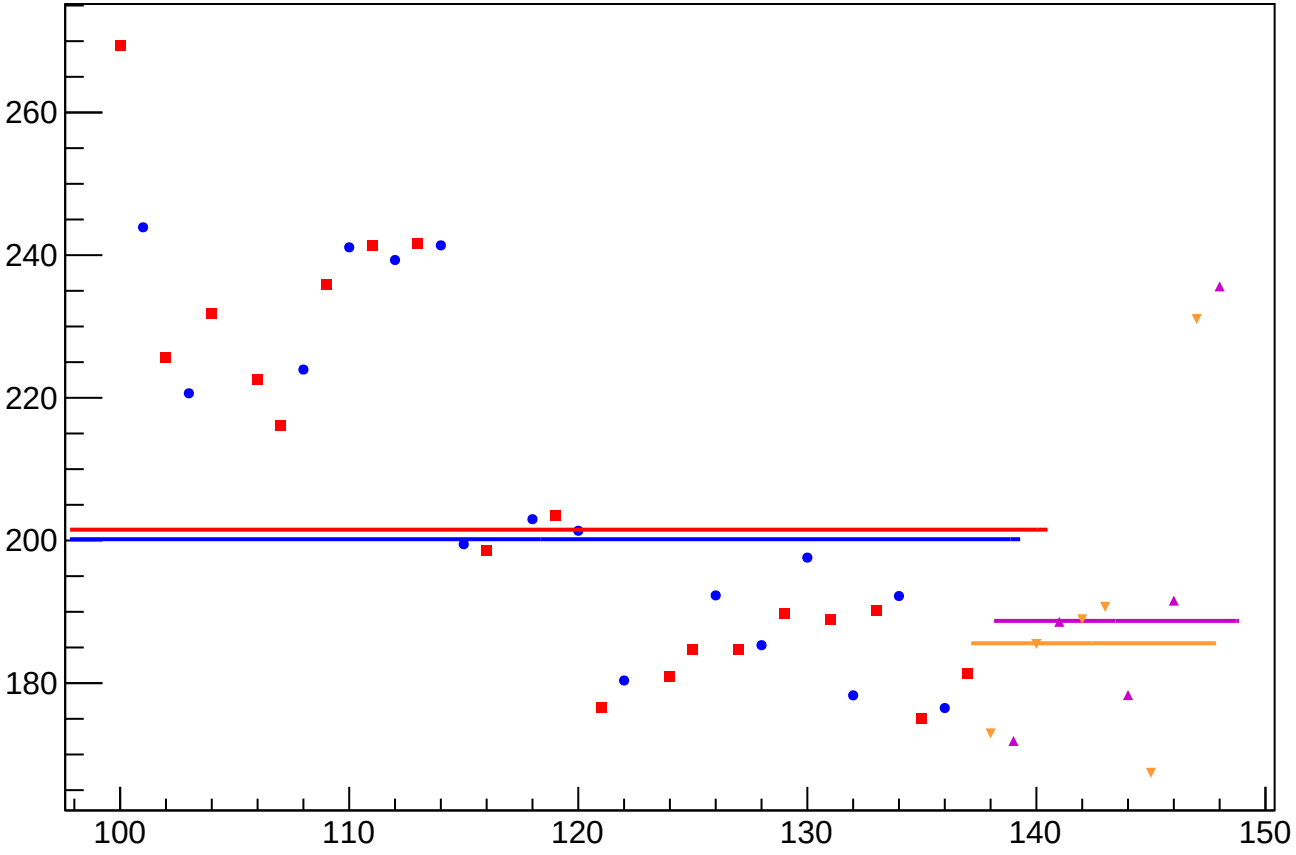
Left In: 209.717+/-90.836 χ^2/NDF:5.0/4

+ sign 65.949+/-56.971 χ^2/NDF: 34.4/21

All: 38.760+/-40.487 χ^2/NDF: 63.4/45

- sign 11.017+/-57.548 χ^2/NDF: 28.5/23

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

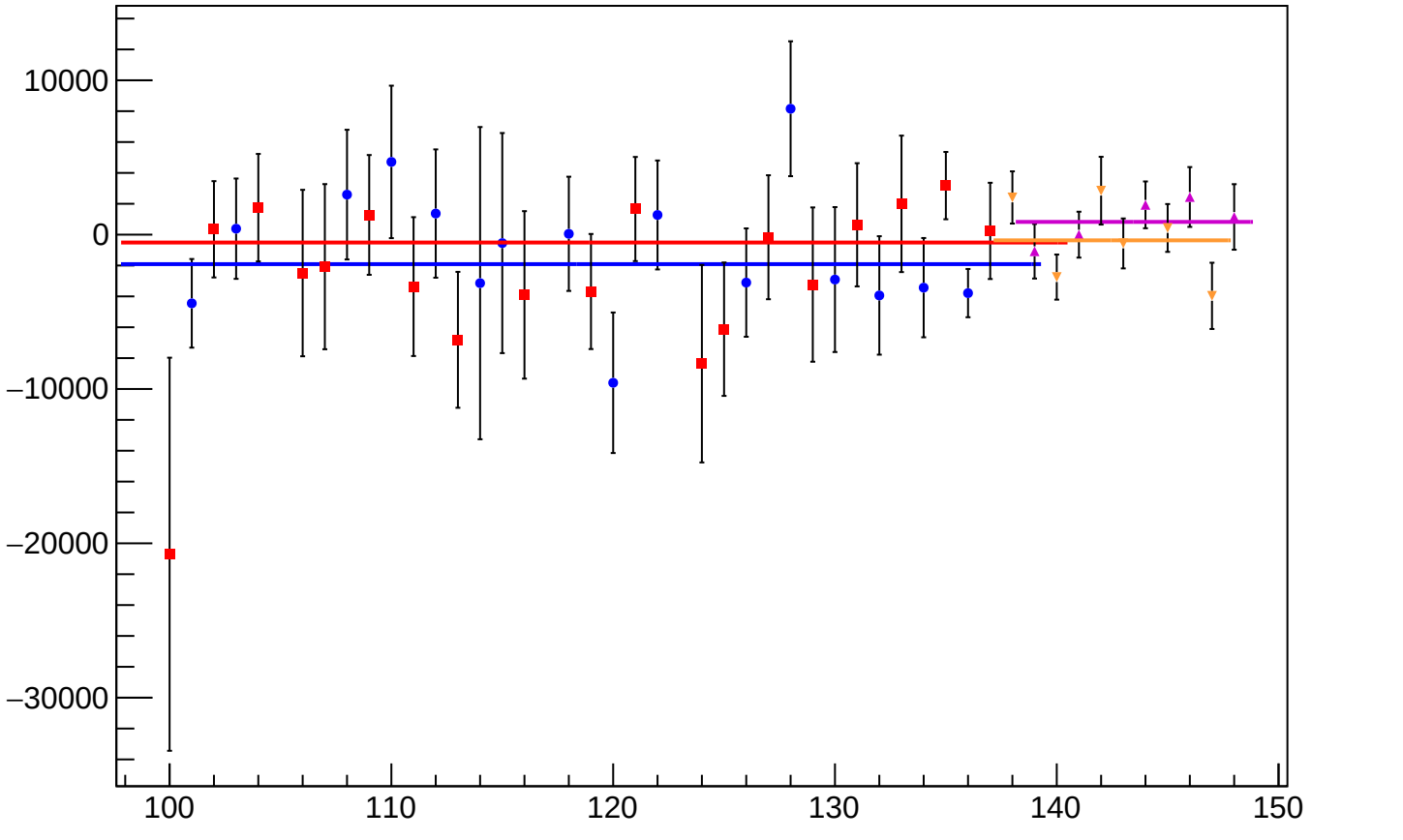
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 194.035+/-0.040 χ^2/NDF: 305704.2/21

All: 195.197+/-0.029 χ^2/NDF: 615758.5/45

- sign 196.382+/-0.041 χ^2/NDF: 308373.1/23



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

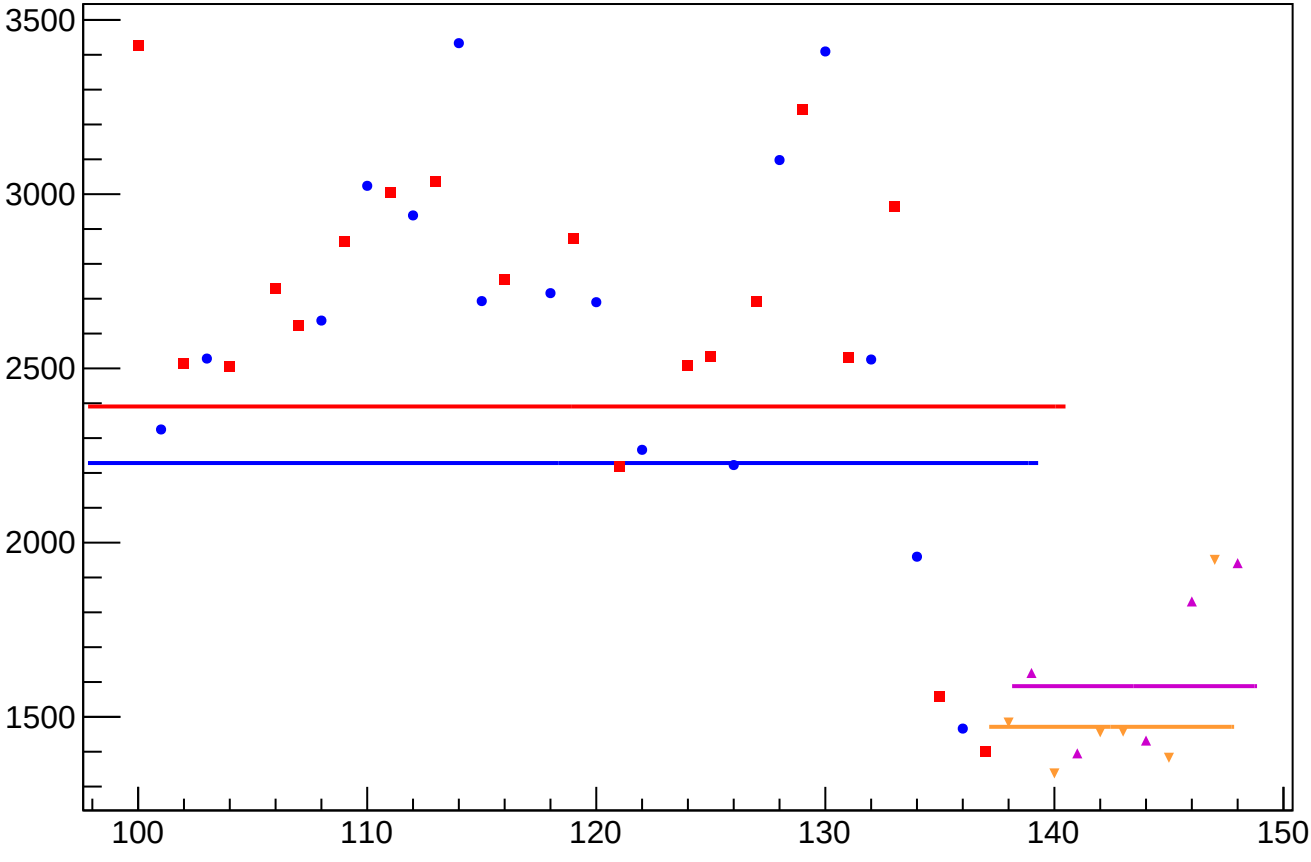
Left In: 825.033+/-767.859 χ^2/NDF:2.7/4

+ sign -984.332+/-542.627 χ^2/NDF: 28.8/21

All: -406.895+/-397.737 χ^2/NDF: 49.5/45

- sign 263.547+/-584.695 χ^2/NDF: 18.2/23

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

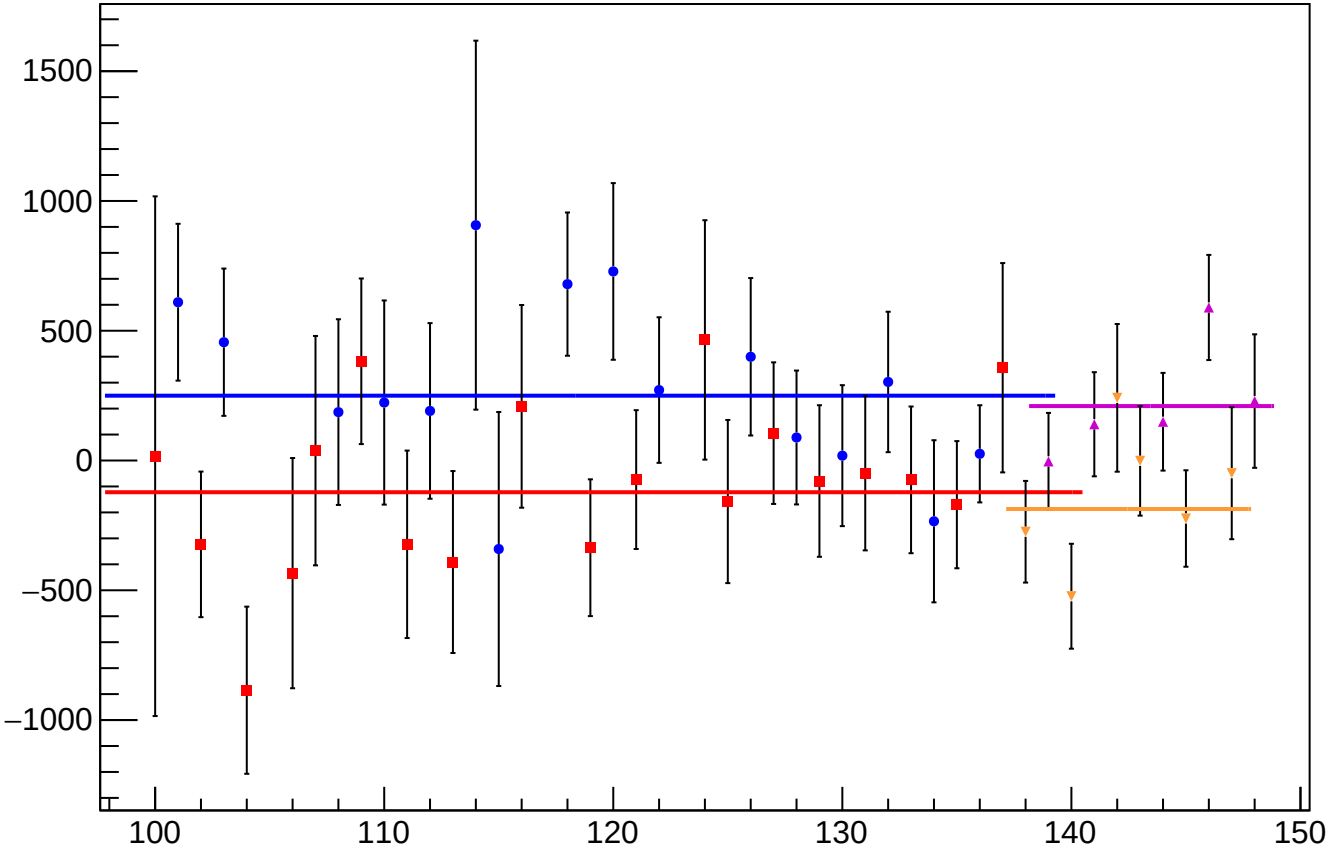
Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

+ sign 1773.456+/-0.384 χ^2/NDF: 2004312.2/21

All: 1843.756+/-0.281 χ^2/NDF: 3927502.3/45

- sign 1925.380+/-0.413 χ^2/NDF: 1850644.3/23

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

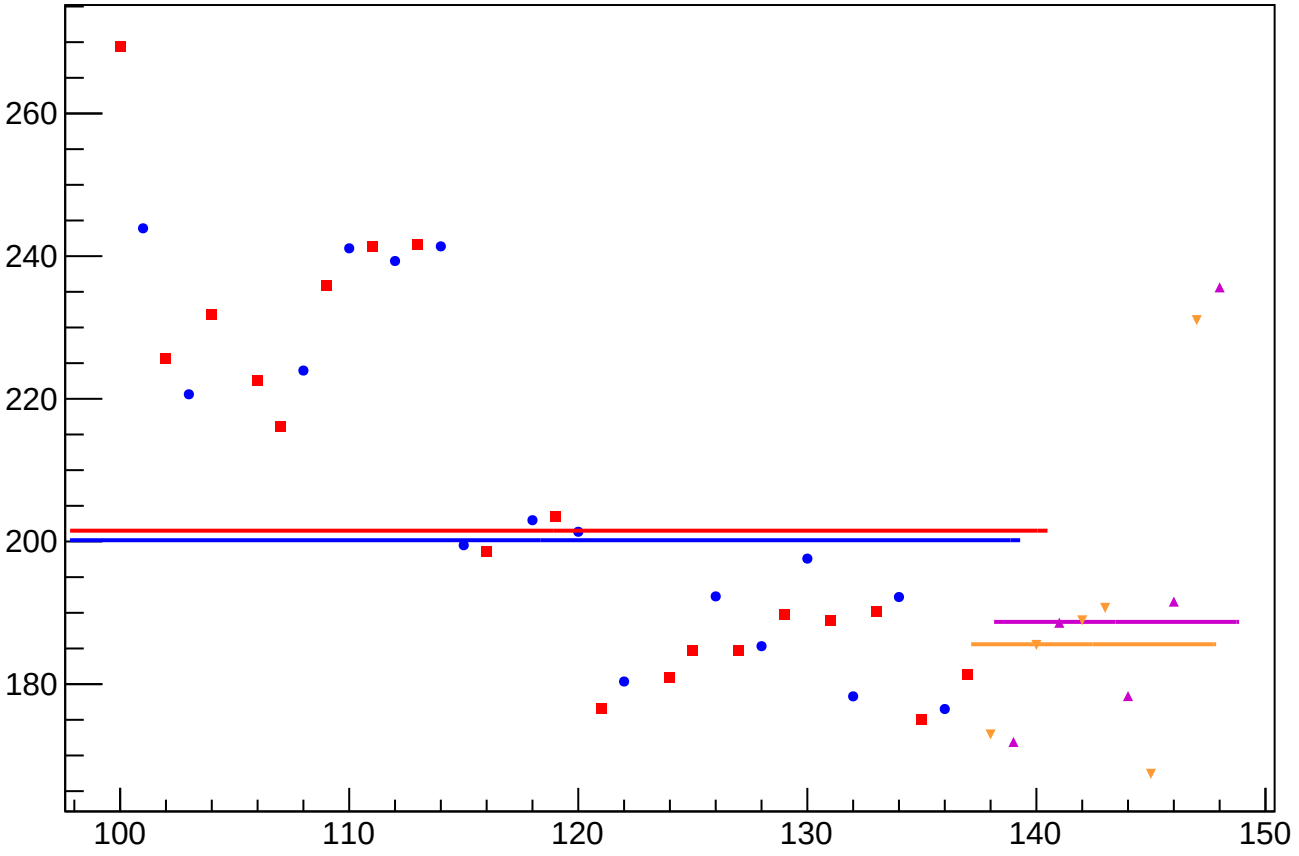
Left In: 209.717+/-90.836 χ^2/NDF:5.0/4

+ sign 65.949+/-56.971 χ^2/NDF: 34.4/21

All: 38.760+/-40.487 χ^2/NDF: 63.4/45

- sign 11.017+/-57.548 χ^2/NDF: 28.5/23

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

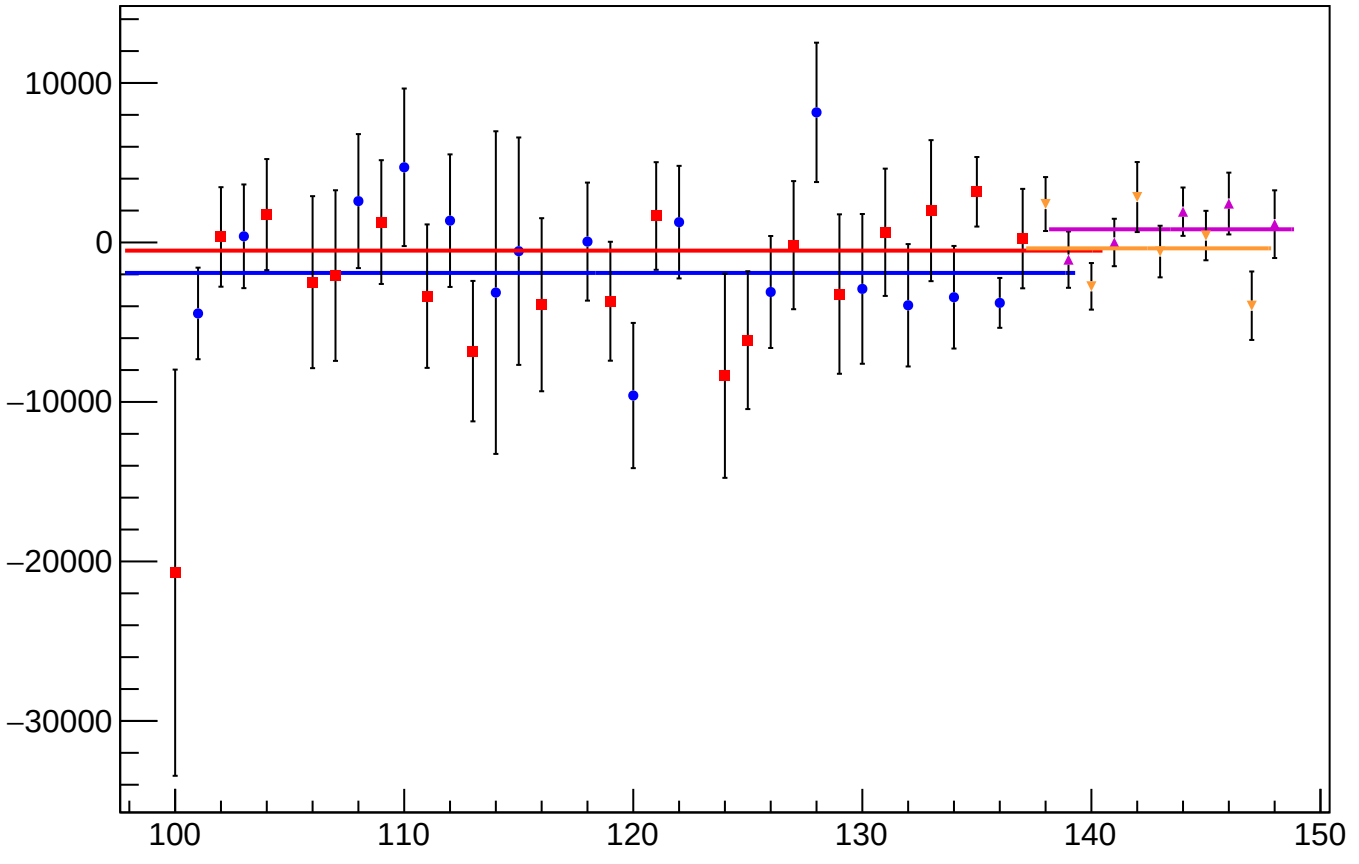
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 194.035+/-0.040 χ^2/NDF: 305704.2/21

All: 195.197+/-0.029 χ^2/NDF: 615758.5/45

- sign 196.382+/-0.041 χ^2/NDF: 308373.1/23



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

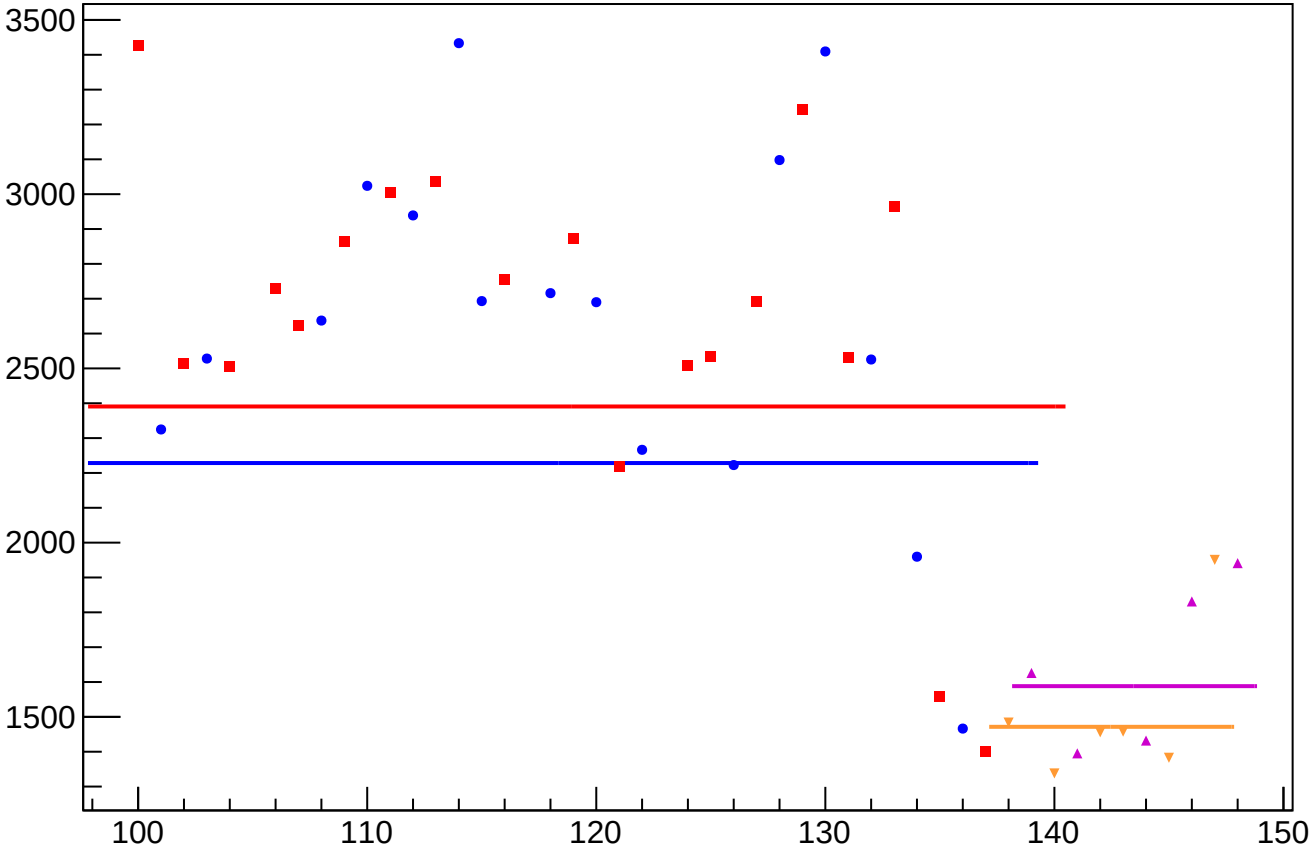
Left In: 825.033+/-767.859 χ^2/NDF:2.7/4

+ sign -984.332+/-542.627 χ^2/NDF: 28.8/21

All: -406.895+/-397.737 χ^2/NDF: 49.5/45

- sign 263.547+/-584.695 χ^2/NDF: 18.2/23

asym_sam_26_dd_eigen_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

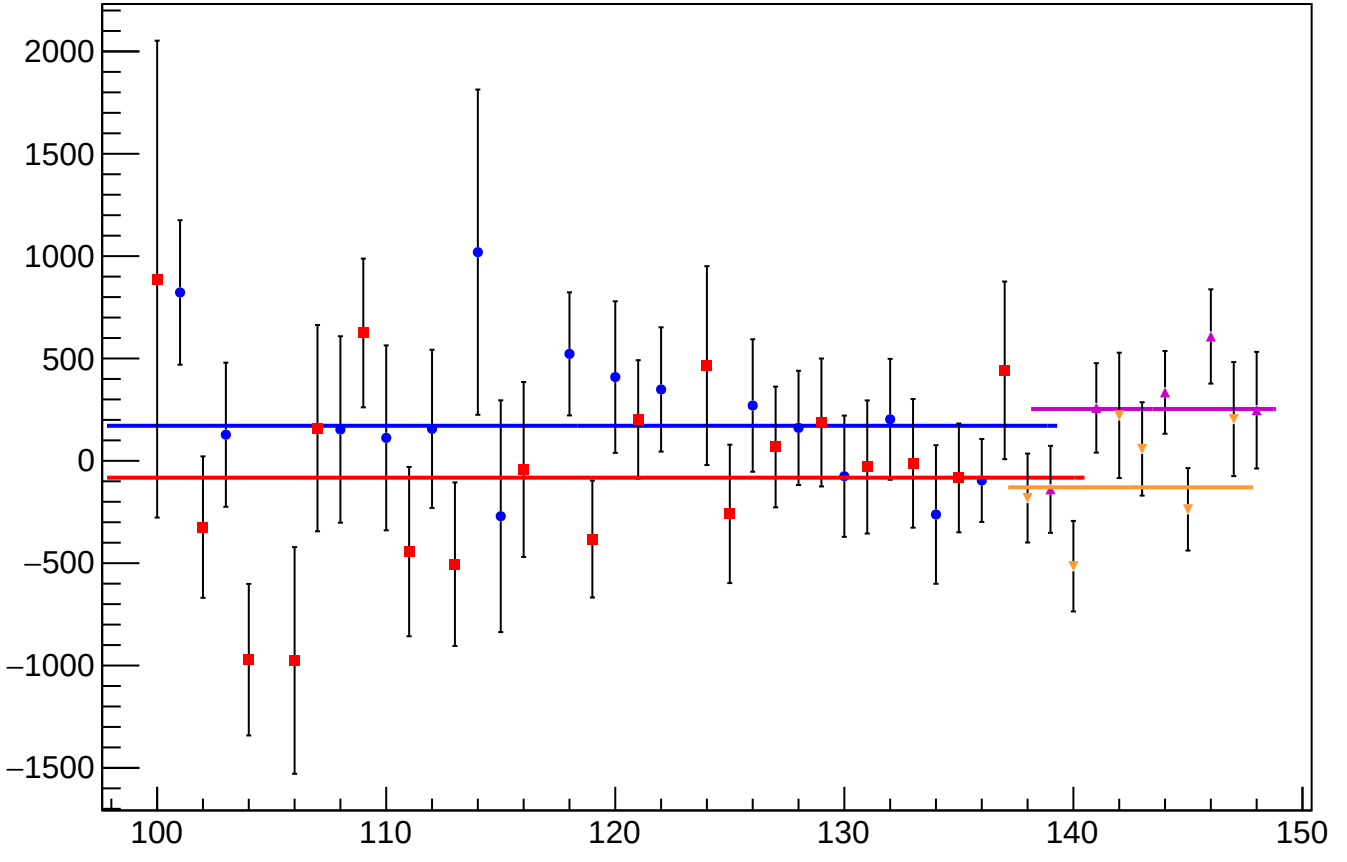
Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

+ sign 1773.456+/-0.384 χ^2/NDF: 2004312.2/21

All: 1843.756+/-0.281 χ^2/NDF: 3927502.3/45

- sign 1925.380+/-0.413 χ^2/NDF: 1850644.3/23

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

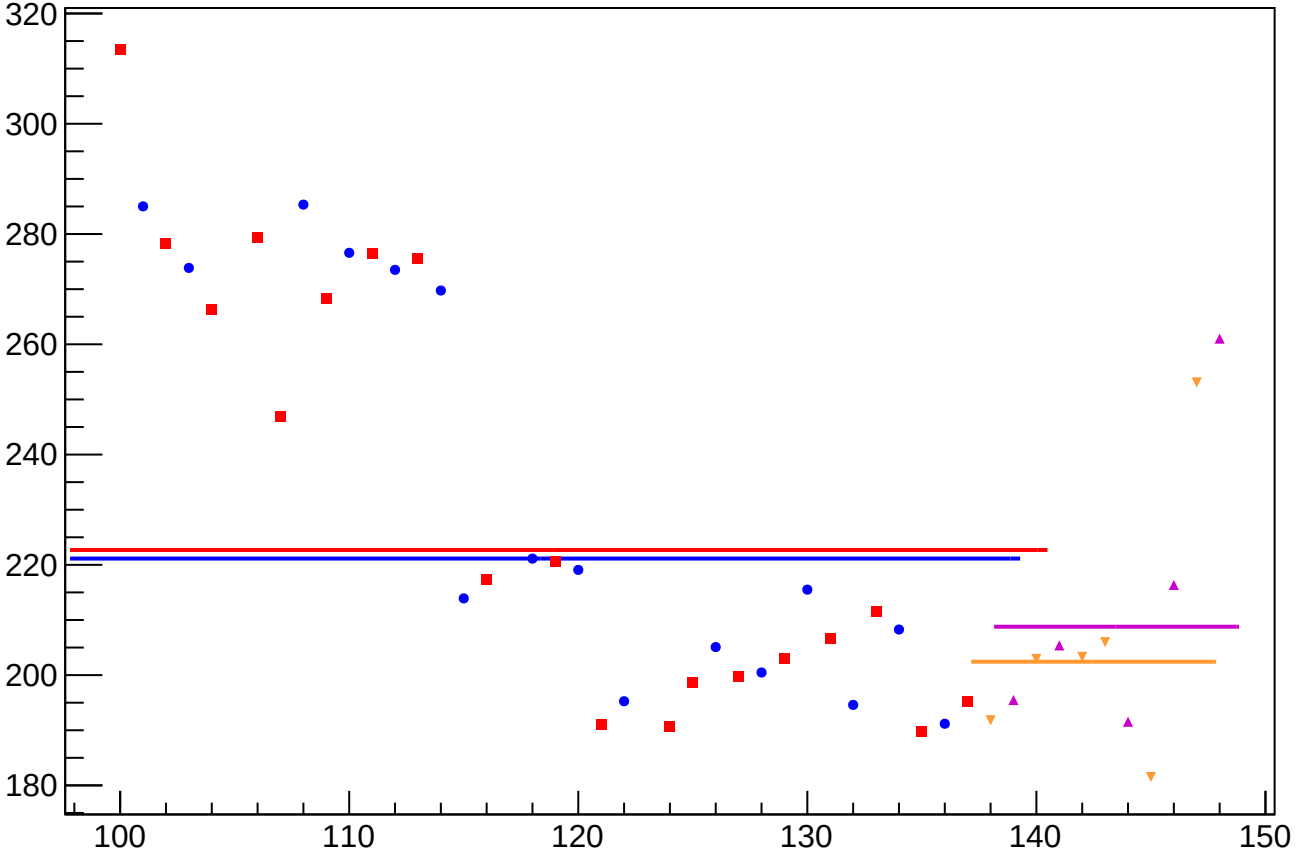
Left In: 253.397+/-100.637 χ^2/NDF:5.9/4

+ sign 42.119+/-62.769 χ^2/NDF: 23.9/21

All: 47.371+/-44.752 χ^2/NDF: 58.1/45

- sign 52.802+/-63.823 χ^2/NDF: 34.2/23

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

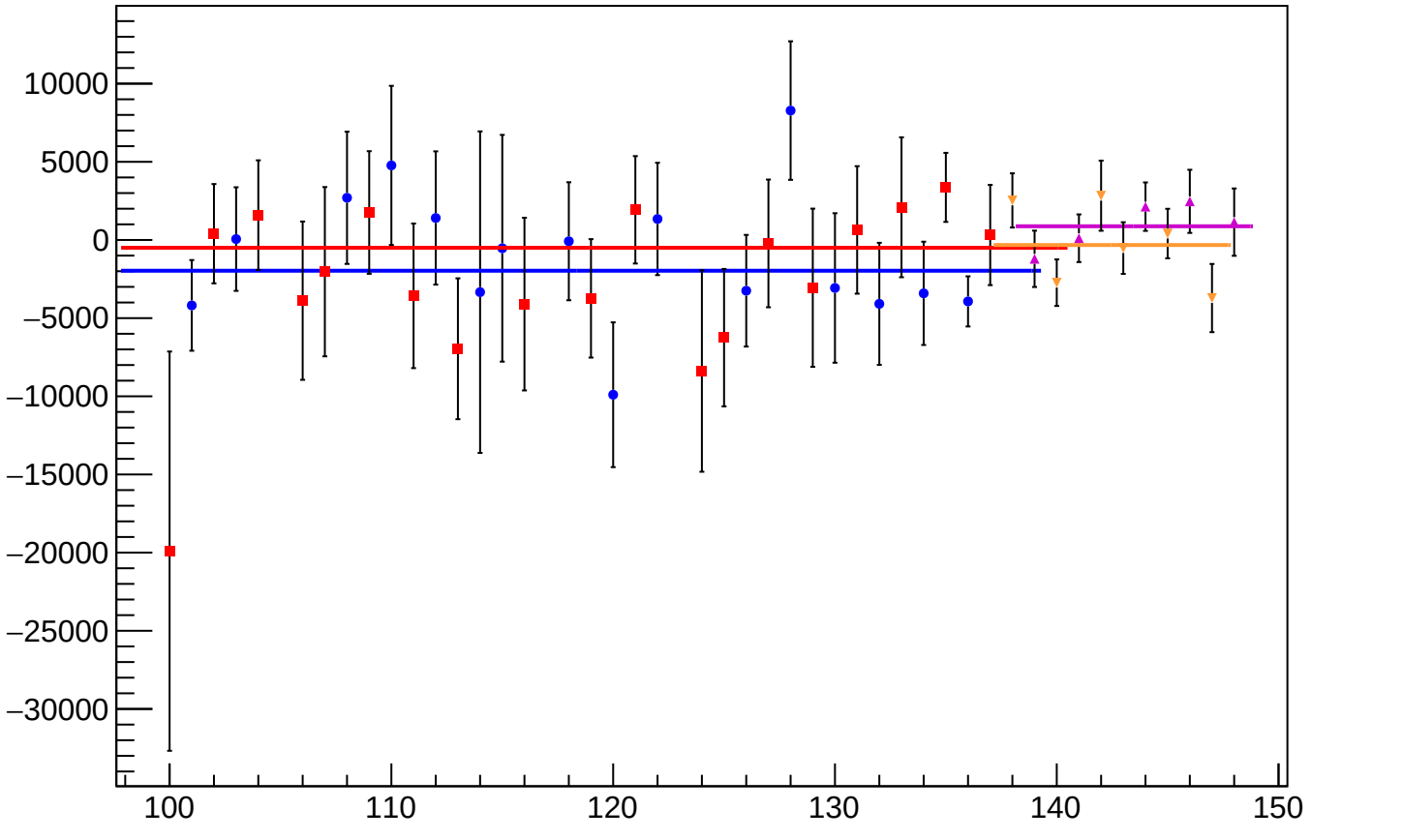
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 208.777+/-0.071 χ^2/NDF:92270.3/4

+ sign 213.100+/-0.044 χ^2/NDF: 455186.3/21

All: 215.066+/-0.032 χ^2/NDF: 901354.7/45

- sign 217.099+/-0.045 χ^2/NDF: 442177.7/23



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

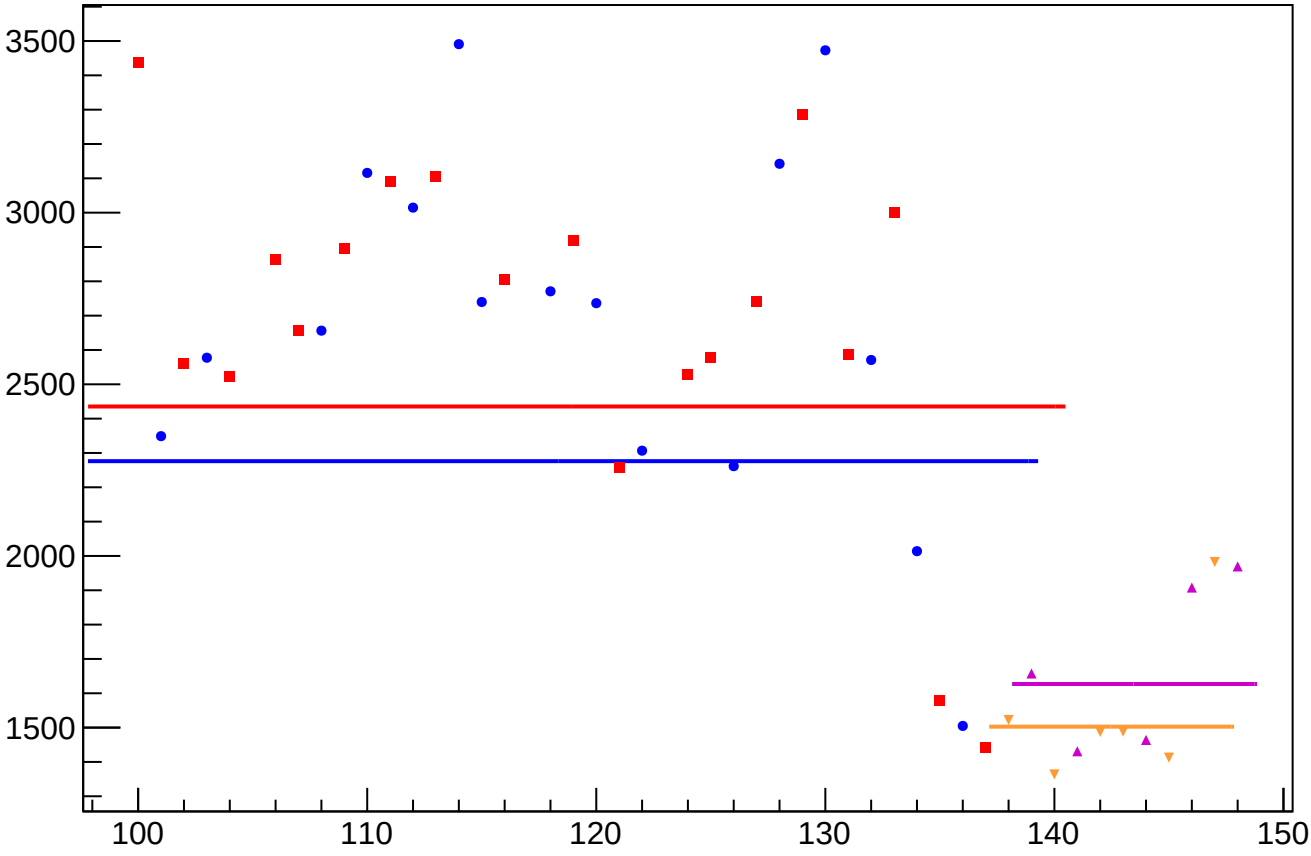
Left In: 877.343+/-786.684 χ^2/NDF:2.9/4

+ sign -979.390+/-553.790 χ^2/NDF: 28.2/21

All: -390.362+/-405.834 χ^2/NDF: 49.6/45

- sign 292.922+/-596.455 χ^2/NDF: 18.9/23

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

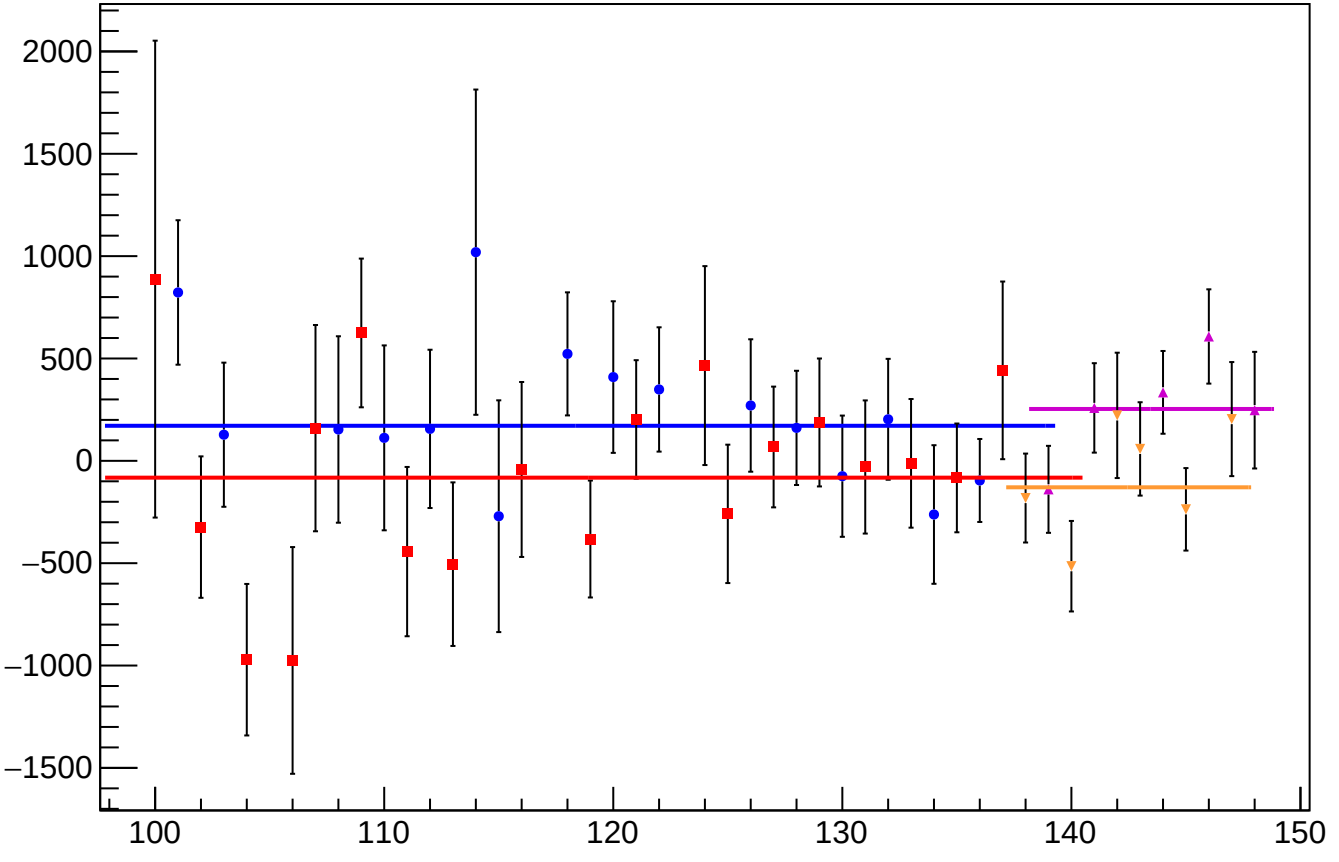
Left In: 1627.003+/-0.556 χ^2/NDF:145063.7/4

+ sign 1811.409+/-0.392 χ^2/NDF: 1983608.1/21

All: 1885.142+/-0.287 χ^2/NDF: 3894550.9/45

- sign 1970.674+/-0.422 χ^2/NDF: 1834362.3/23

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

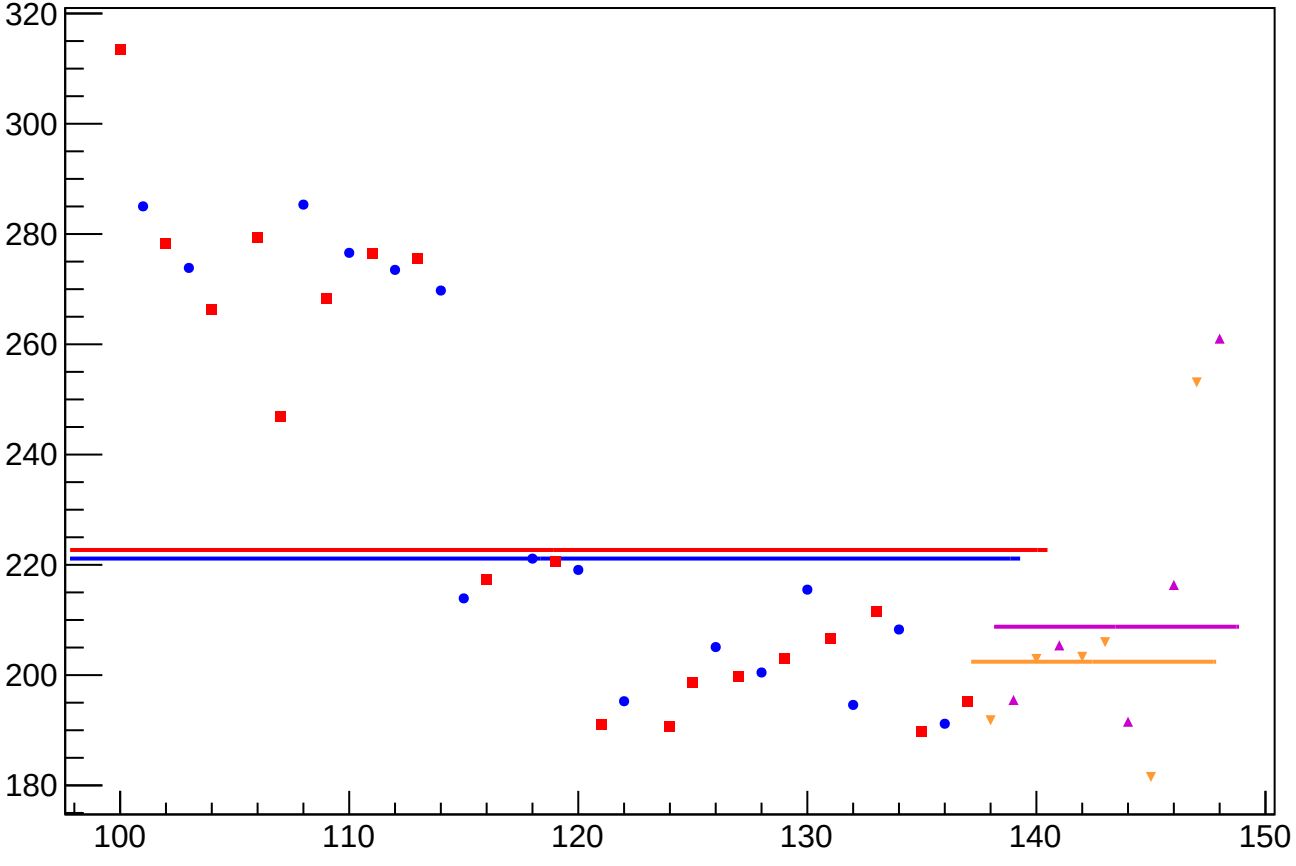
Left In: 253.397+/-100.637 χ^2/NDF:5.9/4

+ sign 42.118+/-62.769 χ^2/NDF: 23.9/21

All: 47.371+/-44.752 χ^2/NDF: 58.1/45

- sign 52.803+/-63.822 χ^2/NDF: 34.2/23

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

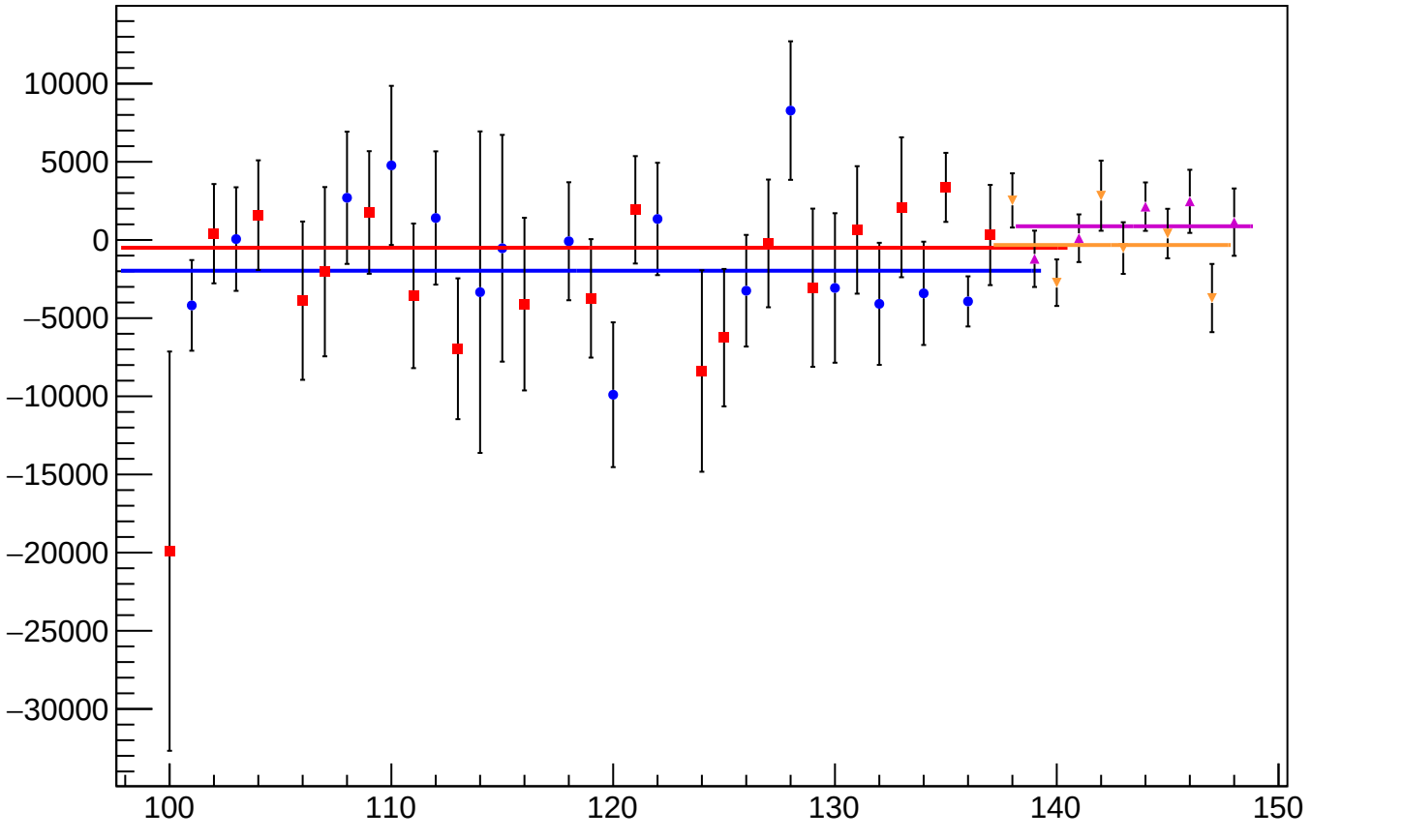
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 208.777+/-0.071 χ^2/NDF:92271.1/4

+ sign 213.099+/-0.044 χ^2/NDF: 455179.6/21

All: 215.066+/-0.032 χ^2/NDF: 901340.0/45

- sign 217.098+/-0.045 χ^2/NDF: 442169.6/23



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

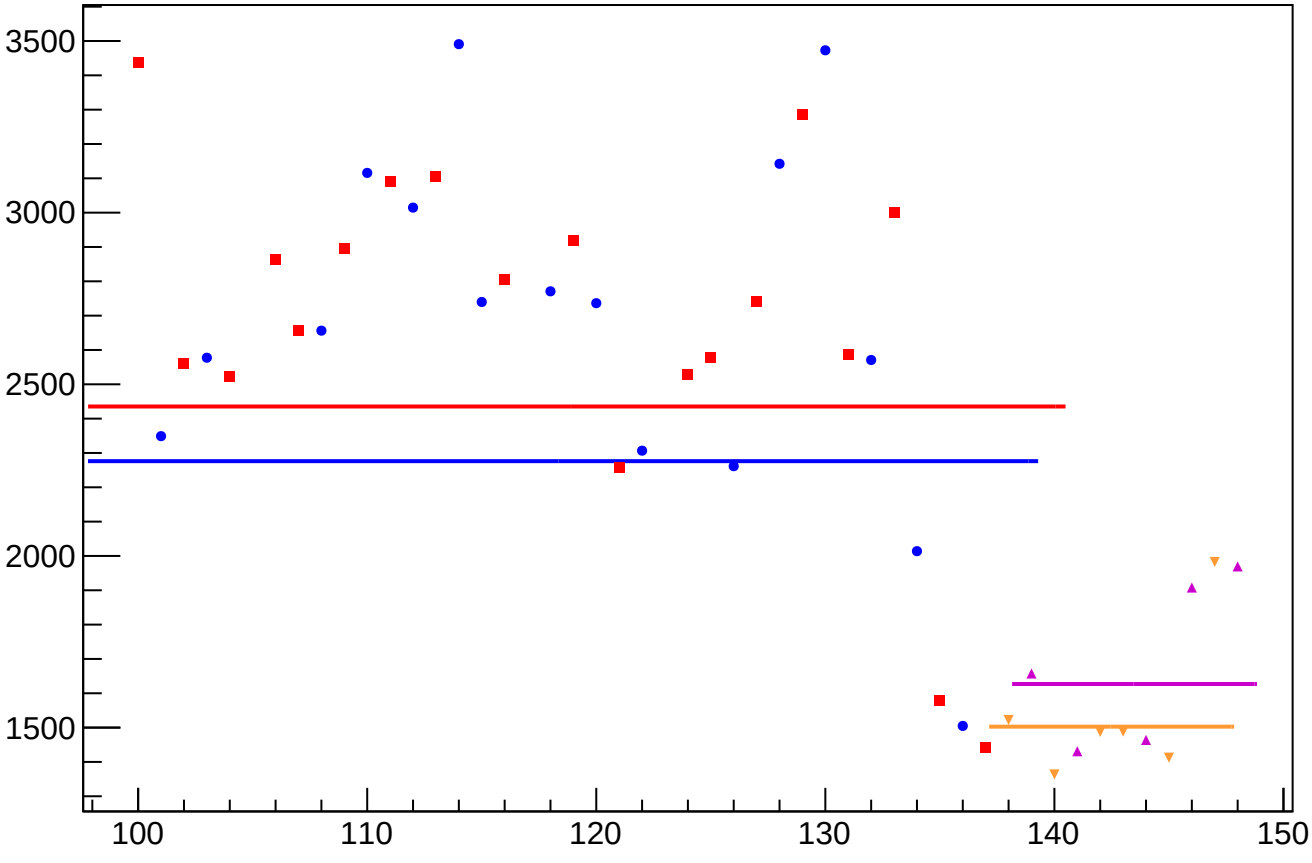
Left In: 877.342+/-786.683 χ^2/NDF:2.9/4

+ sign -979.391+/-553.789 χ^2/NDF: 28.2/21

All: -390.363+/-405.834 χ^2/NDF: 49.6/45

- sign 292.920+/-596.454 χ^2/NDF: 18.9/23

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

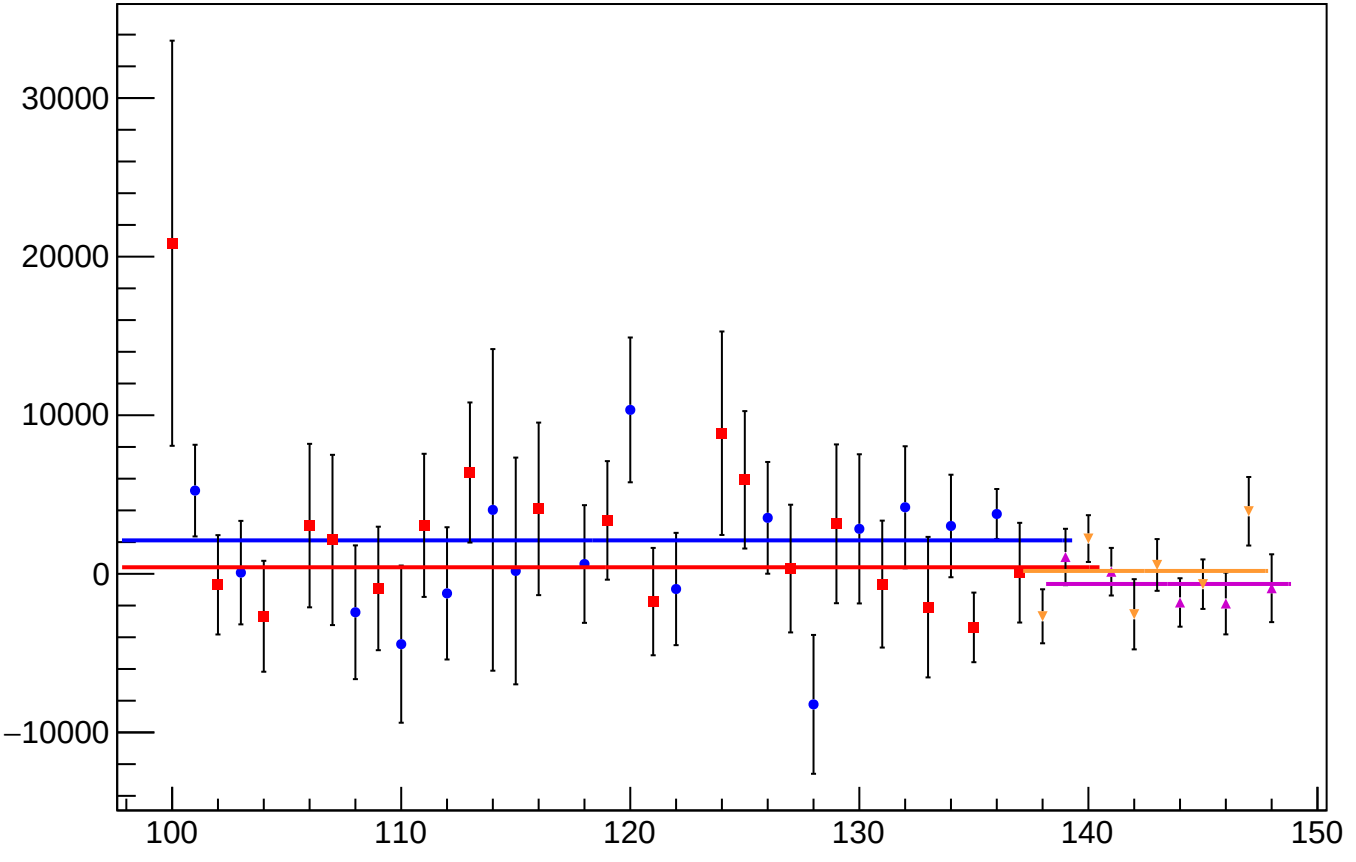
Left In: 1627.002+/-0.556 χ^2/NDF:145063.2/4

+ sign 1811.408+/-0.392 χ^2/NDF: 1983598.7/21

All: 1885.140+/-0.287 χ^2/NDF: 3894532.1/45

- sign 1970.672+/-0.422 χ^2/NDF: 1834352.6/23

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

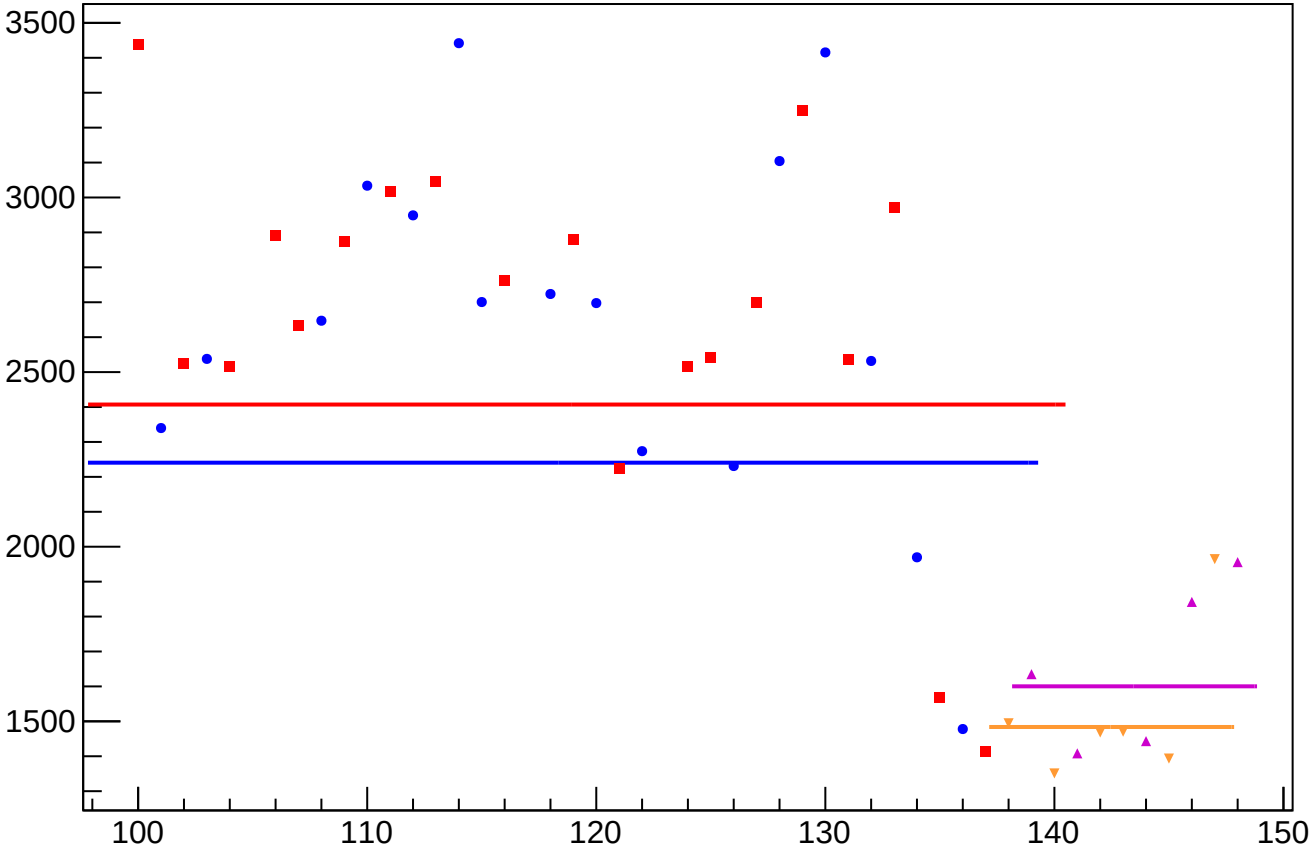
Left In: -639.493+/-773.556 χ^2/NDF:2.2/4

+ sign 954.099+/-546.362 χ^2/NDF: 29.2/21

All: 421.827+/-400.203 χ^2/NDF: 48.9/45

- sign -194.368+/-587.859 χ^2/NDF: 17.6/23

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

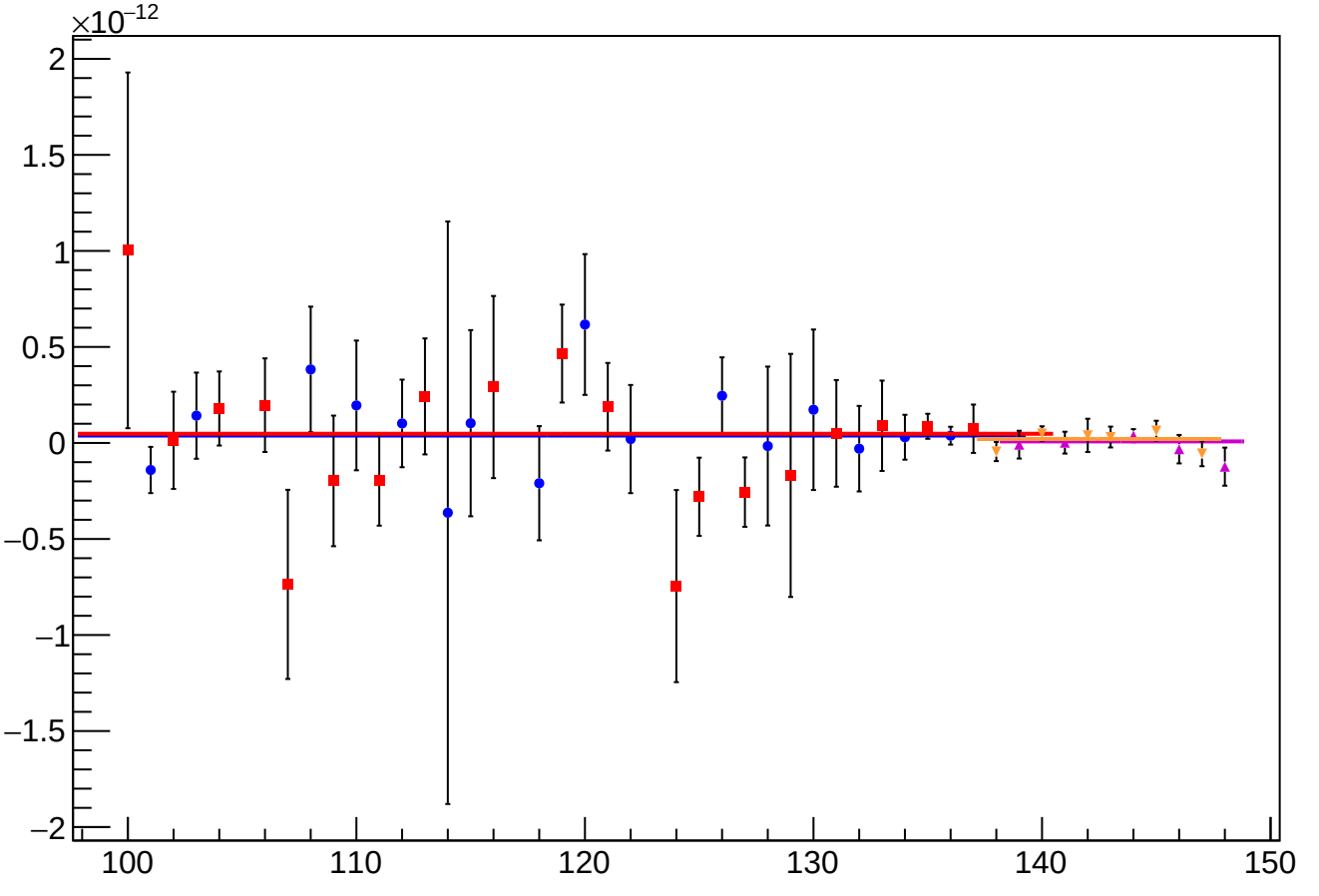
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1600.222+/-0.547 χ^2/NDF:140648.6/4

+ sign 1786.939+/-0.386 χ^2/NDF: 1977163.7/21

All: 1858.399+/-0.283 χ^2/NDF: 3900000.5/45

- sign 1941.126+/-0.416 χ^2/NDF: 1849015.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

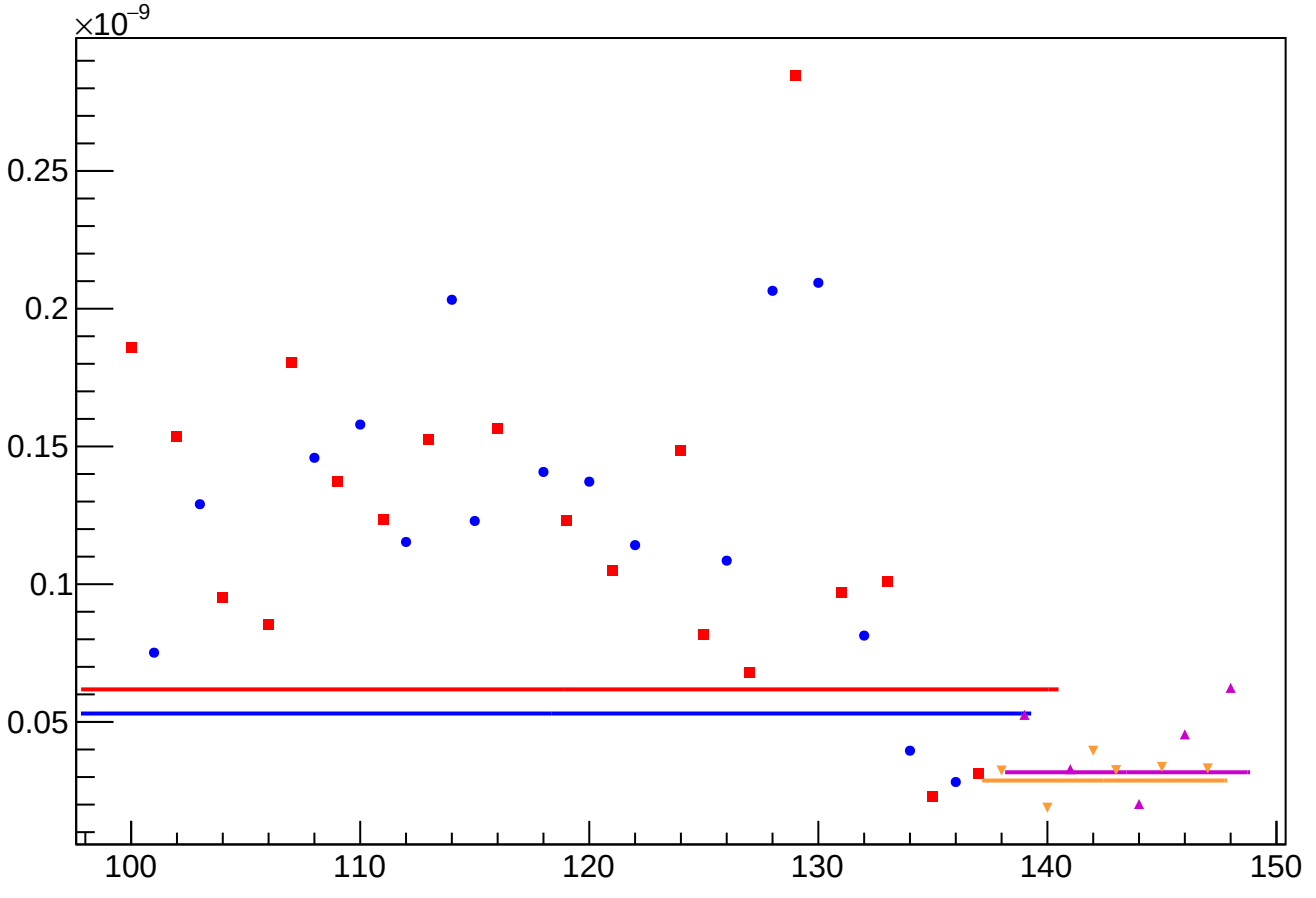
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 13.0/21

All: 0.000+/-0.000 χ^2/NDF: 34.8/45

- sign 0.000+/-0.000 χ^2/NDF: 21.8/23



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

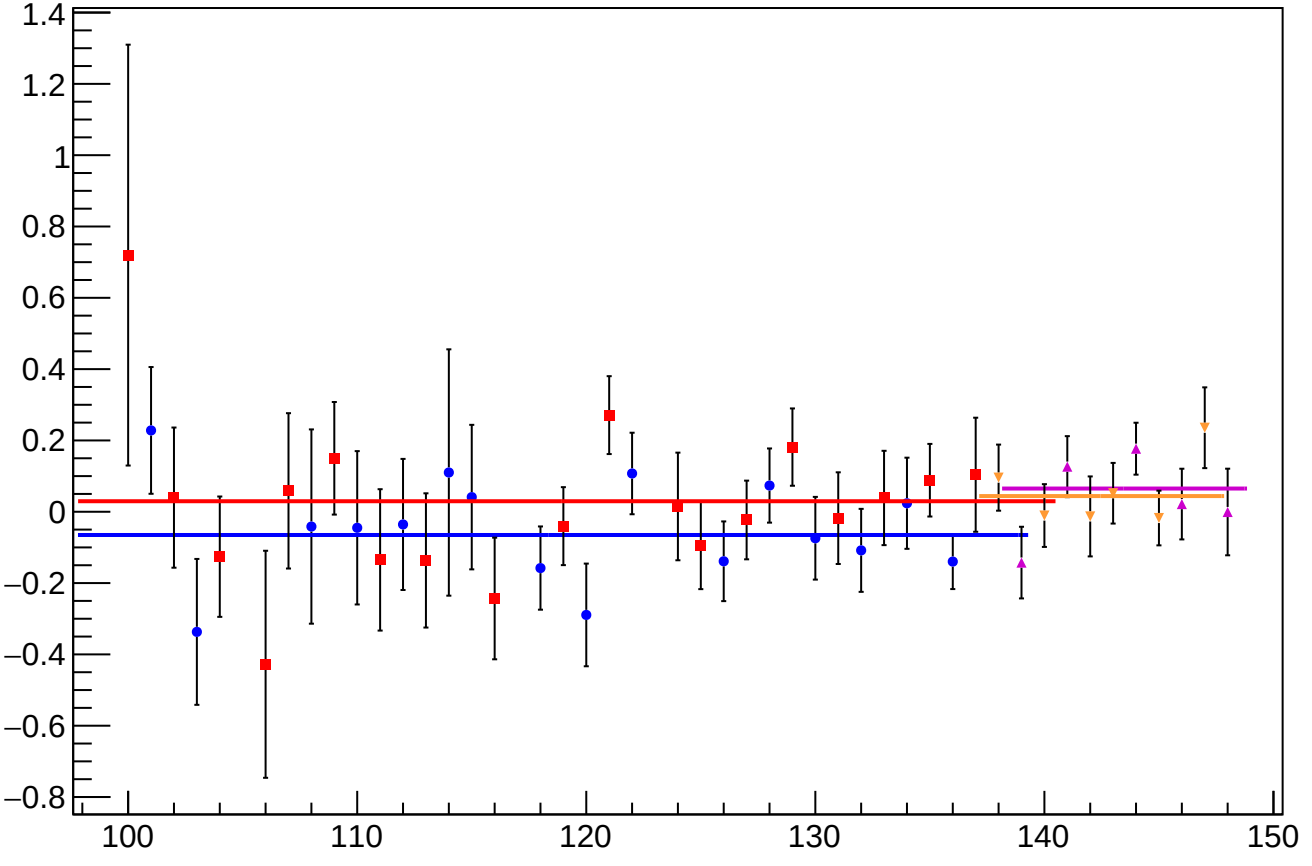
Left In: 0.000+/-0.000 χ^2/NDF:656369.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3459148.6/21

All: 0.000+/-0.000 χ^2/NDF: 7302250.0/45

- sign 0.000+/-0.000 χ^2/NDF: 3801024.6/23

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

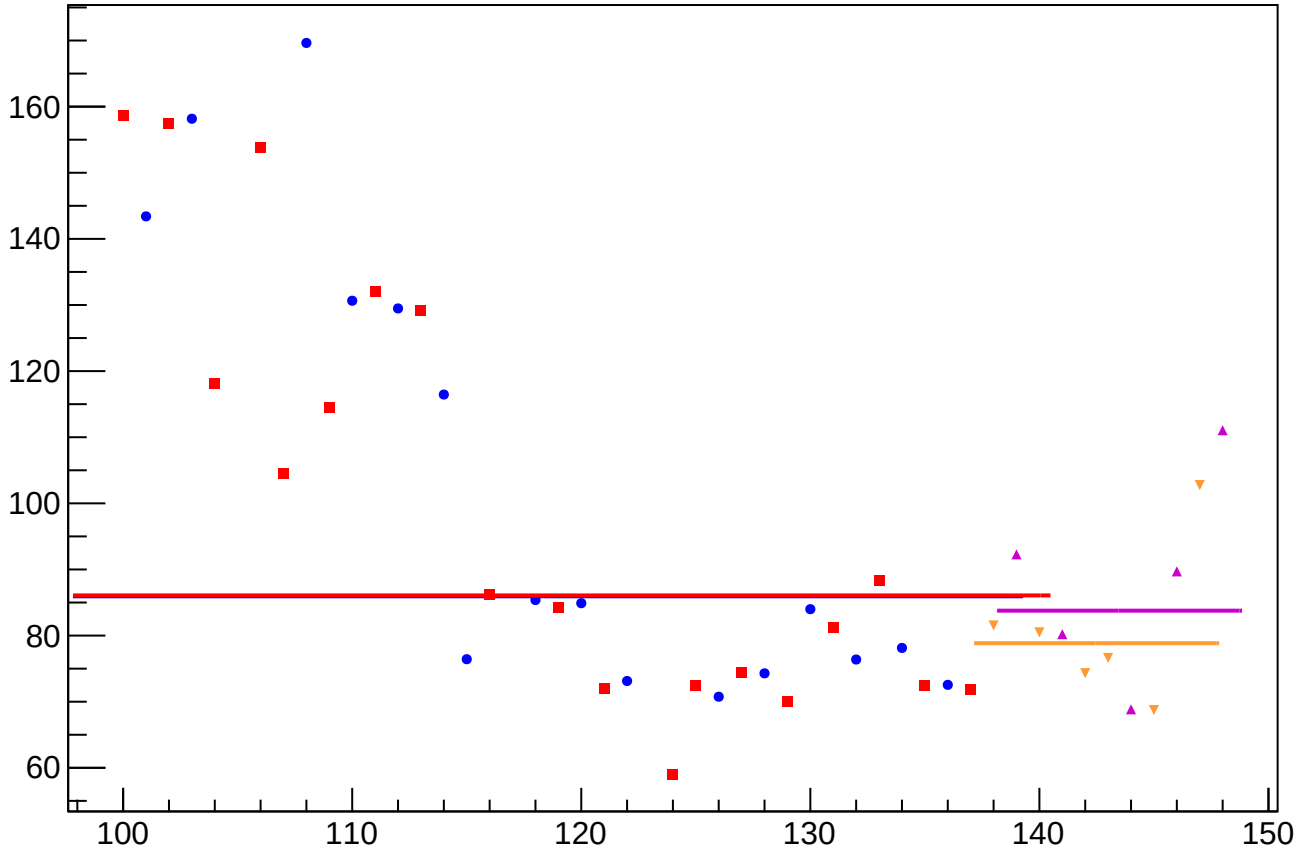
Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.012+/-0.018 χ^2/NDF: 52.4/45

- sign 0.043+/-0.026 χ^2/NDF: 26.2/23

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

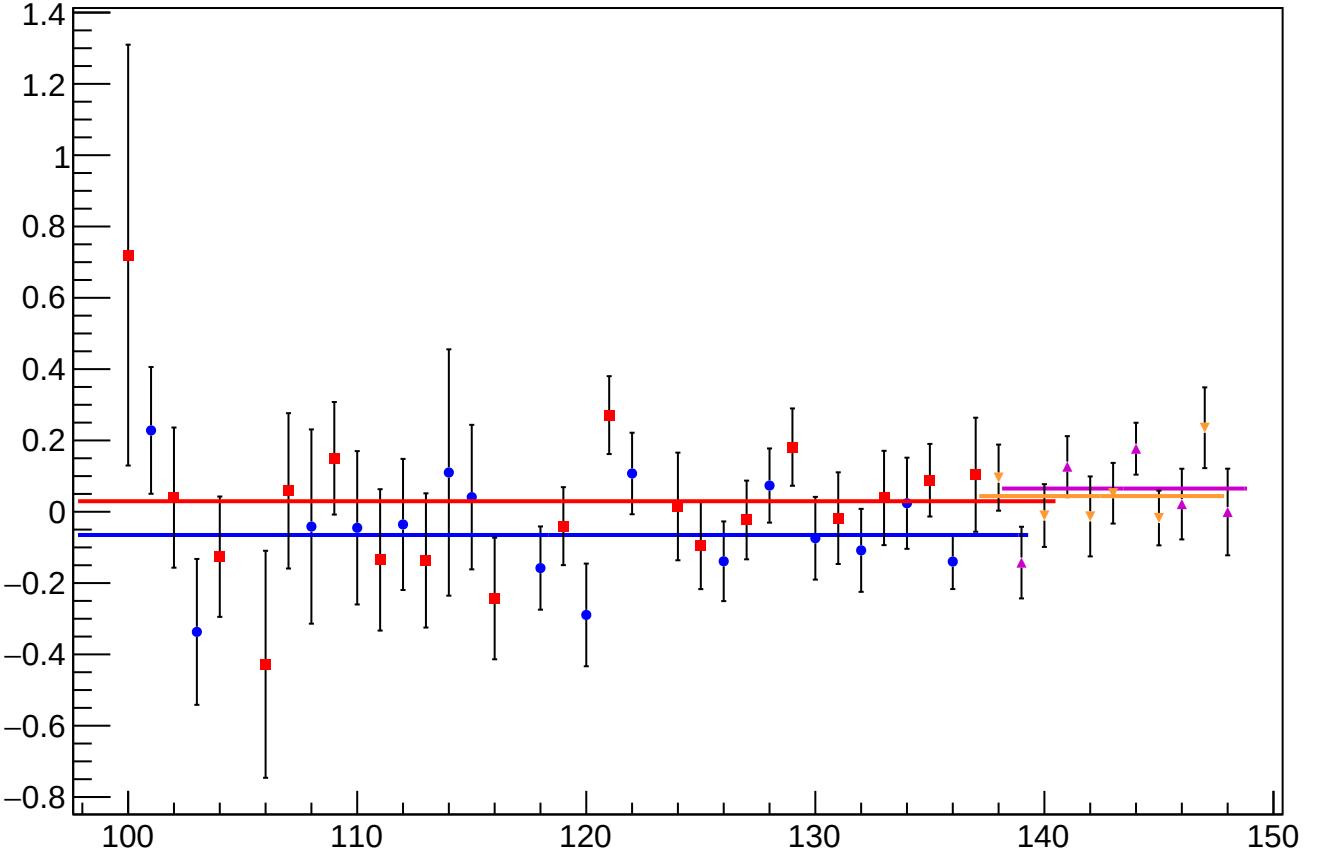
Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

+ sign 82.815+/-0.018 χ^2/NDF: 1205942.2/21

All: 83.955+/-0.013 χ^2/NDF: 2419656.4/45

- sign 85.169+/-0.018 χ^2/NDF: 1205058.9/23

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

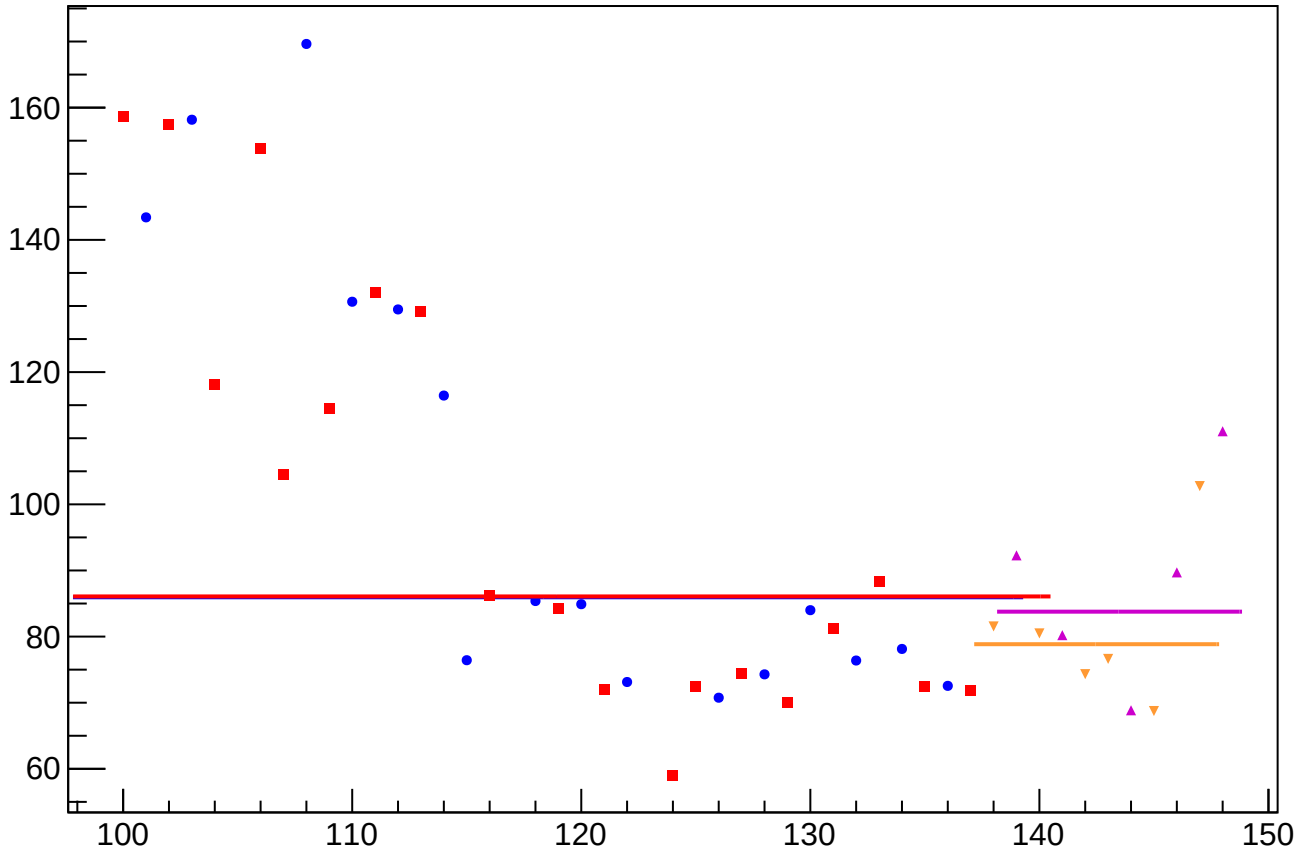
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.012+/-0.018 χ^2/NDF: 52.4/45

- sign 0.043+/-0.026 χ^2/NDF: 26.2/23



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.848+/-0.027 χ^2/NDF:130885.0/5

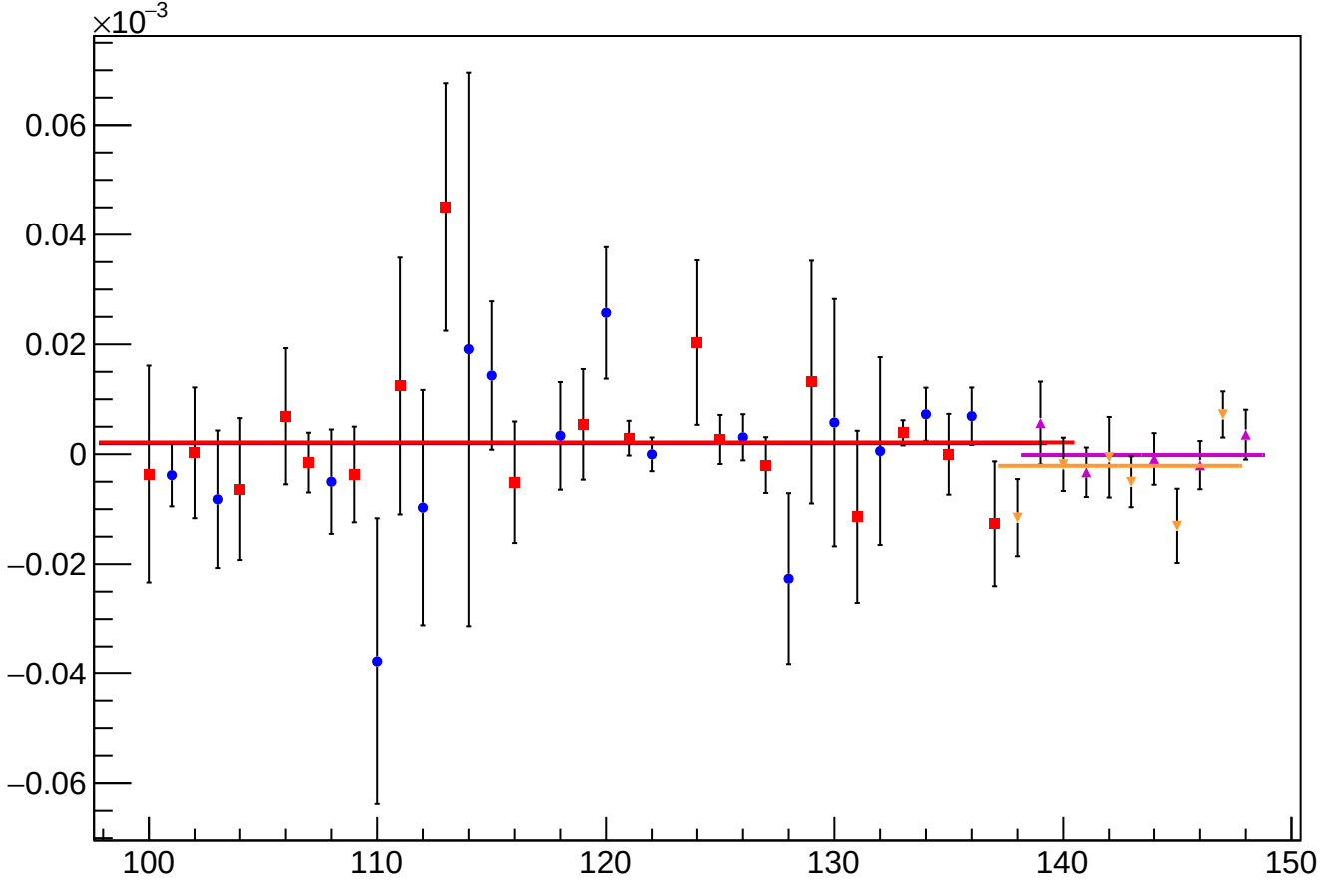
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

\+ sign 82.815+/-0.018 χ^2/NDF: 1205942.2/21

All: 83.955+/-0.013 χ^2/NDF: 2419656.4/45

\- sign 85.169+/-0.018 χ^2/NDF: 1205058.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/5

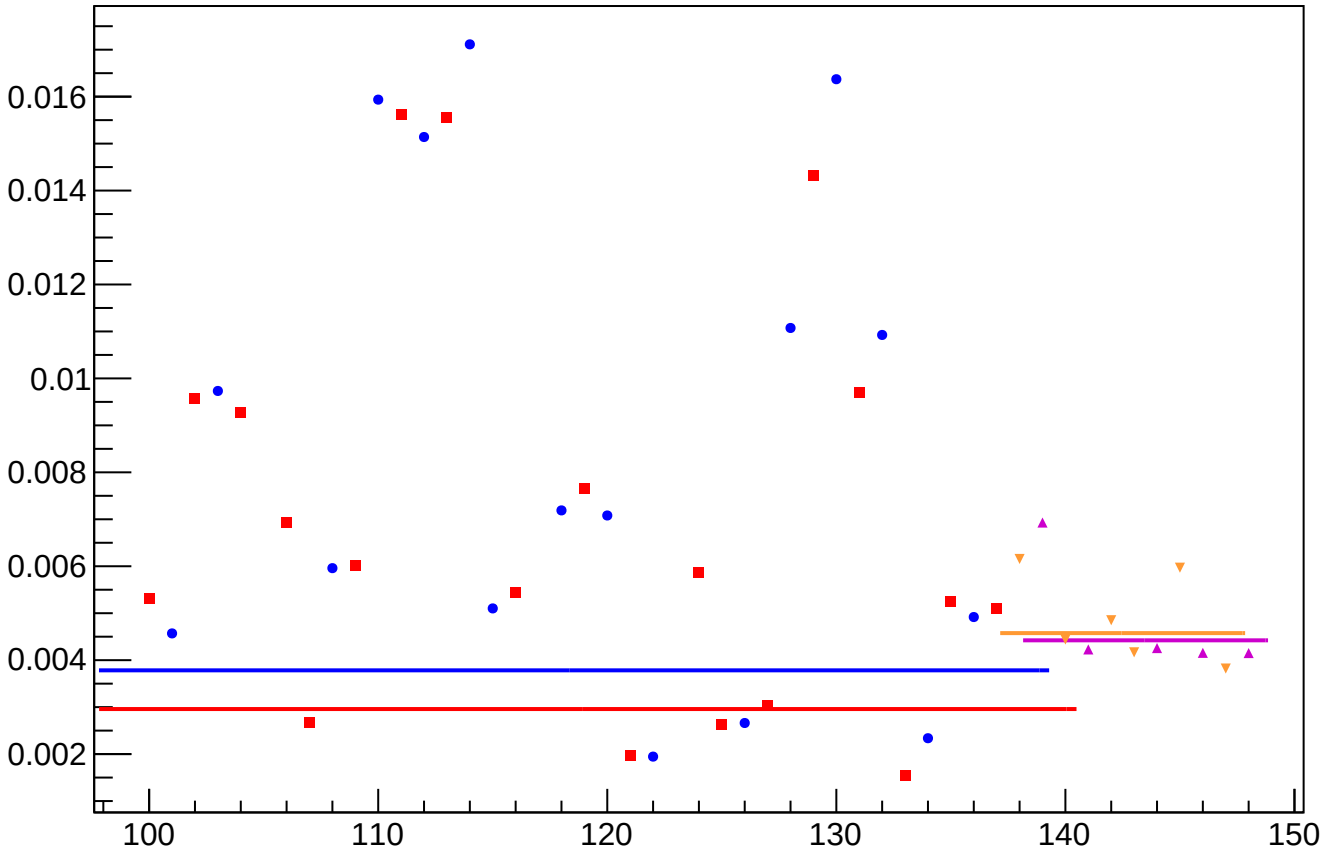
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/21

All: 0.000+/-0.000 χ^2/NDF: 41.4/45

- sign 0.000+/-0.000 χ^2/NDF: 14.2/23



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

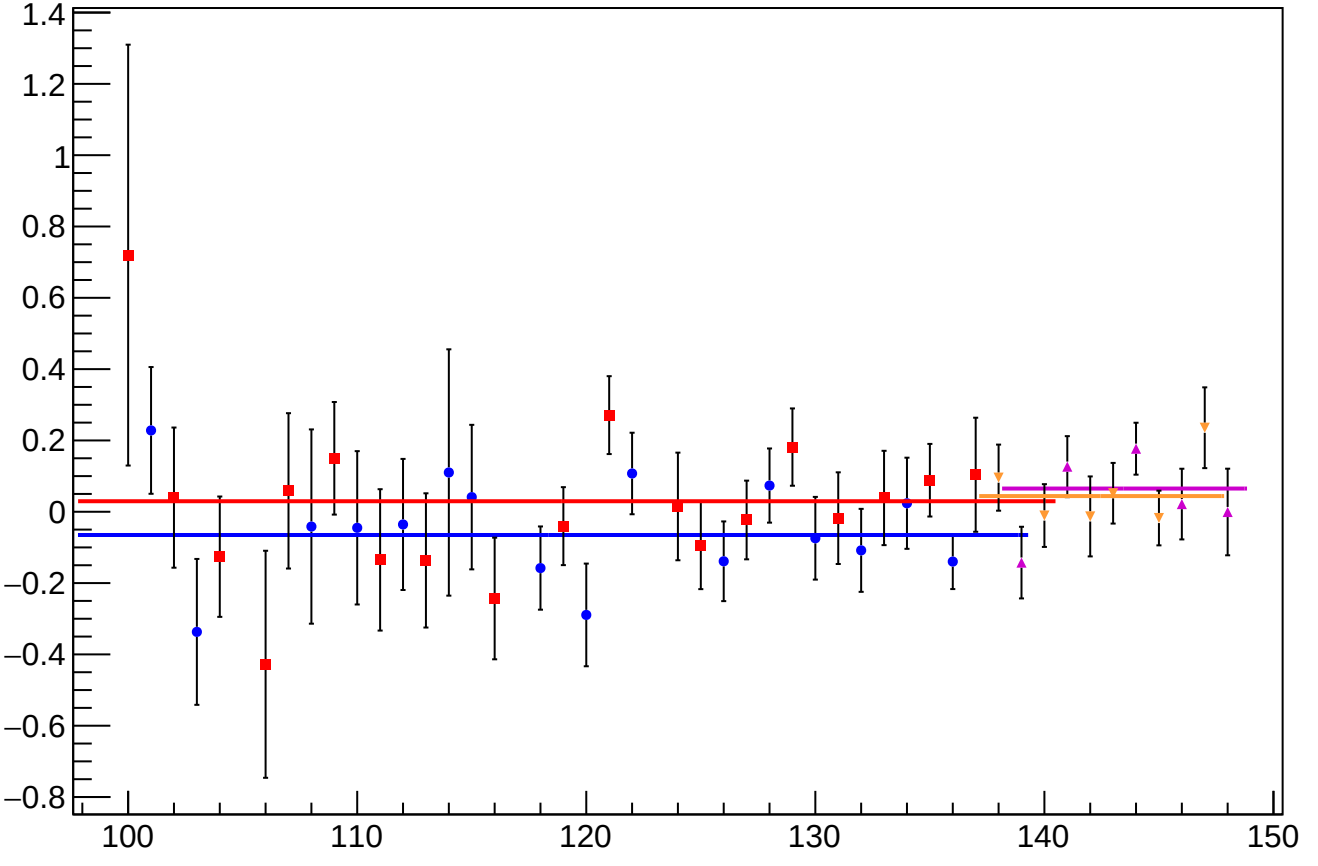
Left In: 0.004+/-0.000 χ^2/NDF:241644.0/4

+ sign 0.004+/-0.000 χ^2/NDF: 5124349.4/21

All: 0.004+/-0.000 χ^2/NDF: 11856919.6/45

- sign 0.003+/-0.000 χ^2/NDF: 6432623.2/23

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

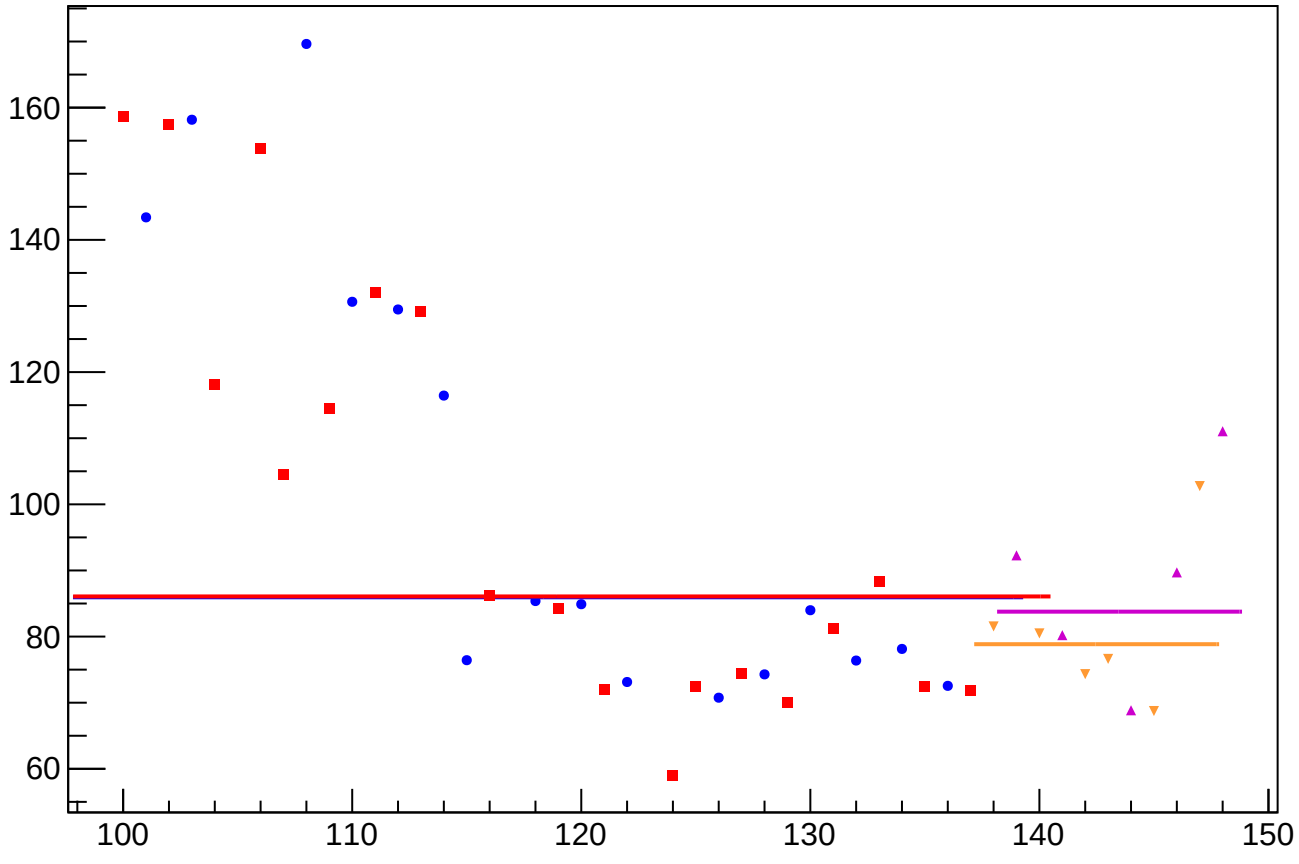
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.012+/-0.018 χ^2/NDF: 52.4/45

- sign 0.043+/-0.026 χ^2/NDF: 26.2/23



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.847+/-0.027 χ^2/NDF:130900.2/5

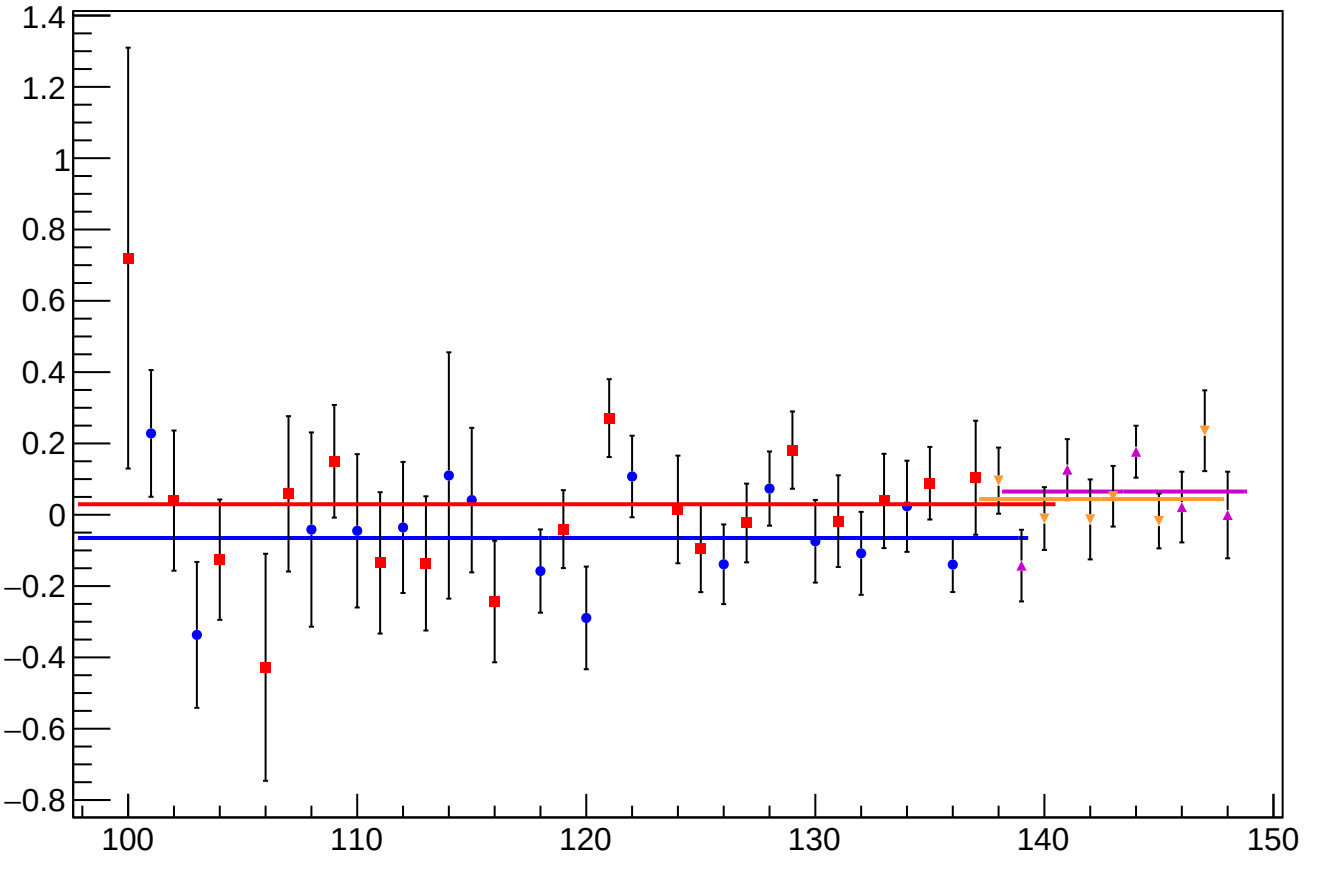
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

+ sign 82.813+/-0.018 χ^2/NDF: 1205923.6/21

All: 83.953+/-0.013 χ^2/NDF: 2419627.8/45

- sign 85.168+/-0.018 χ^2/NDF: 1205047.3/23



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

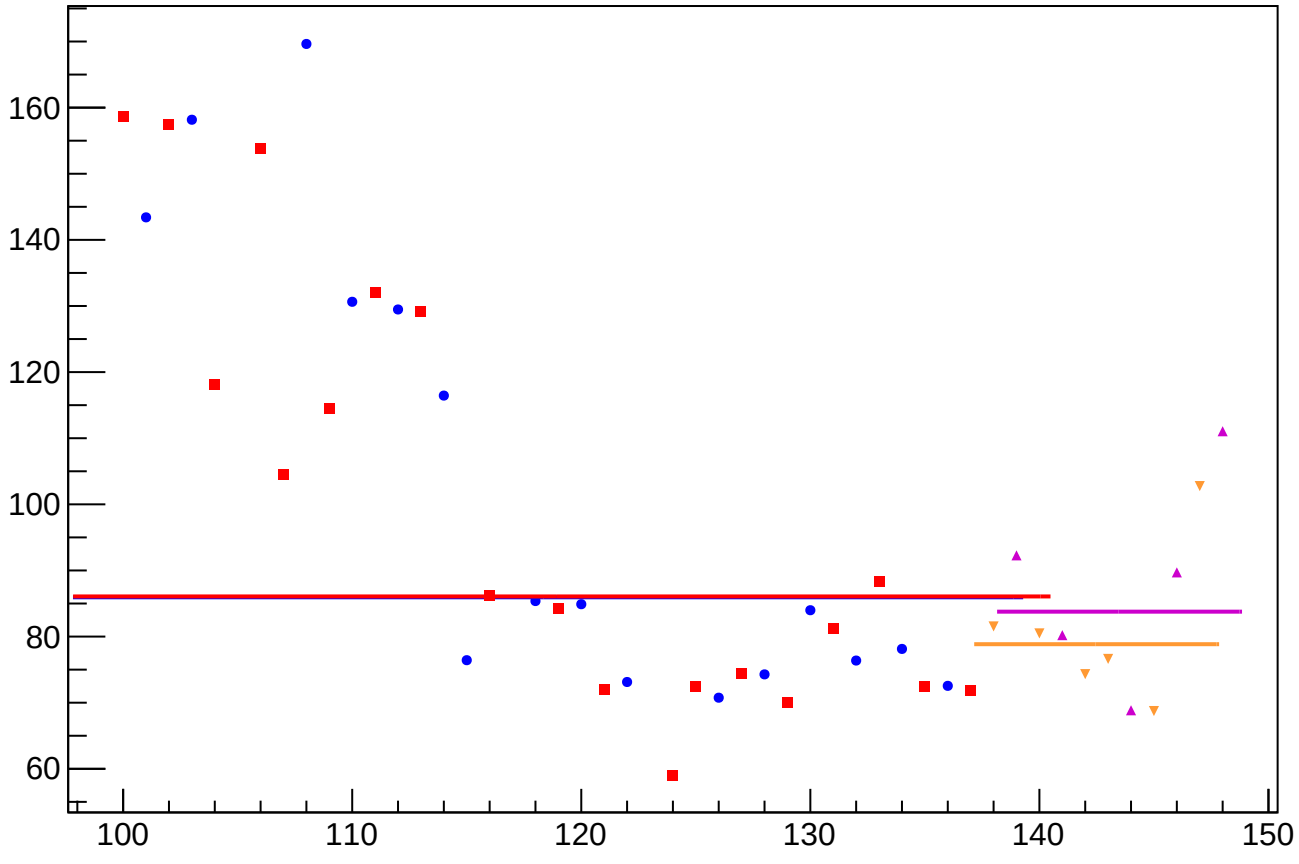
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.017+/-0.025 χ^2/NDF: 23.4/21

All: 0.012+/-0.018 χ^2/NDF: 52.4/45

- sign 0.043+/-0.026 χ^2/NDF: 26.2/23



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.847+/-0.027 χ^2/NDF:130900.2/5

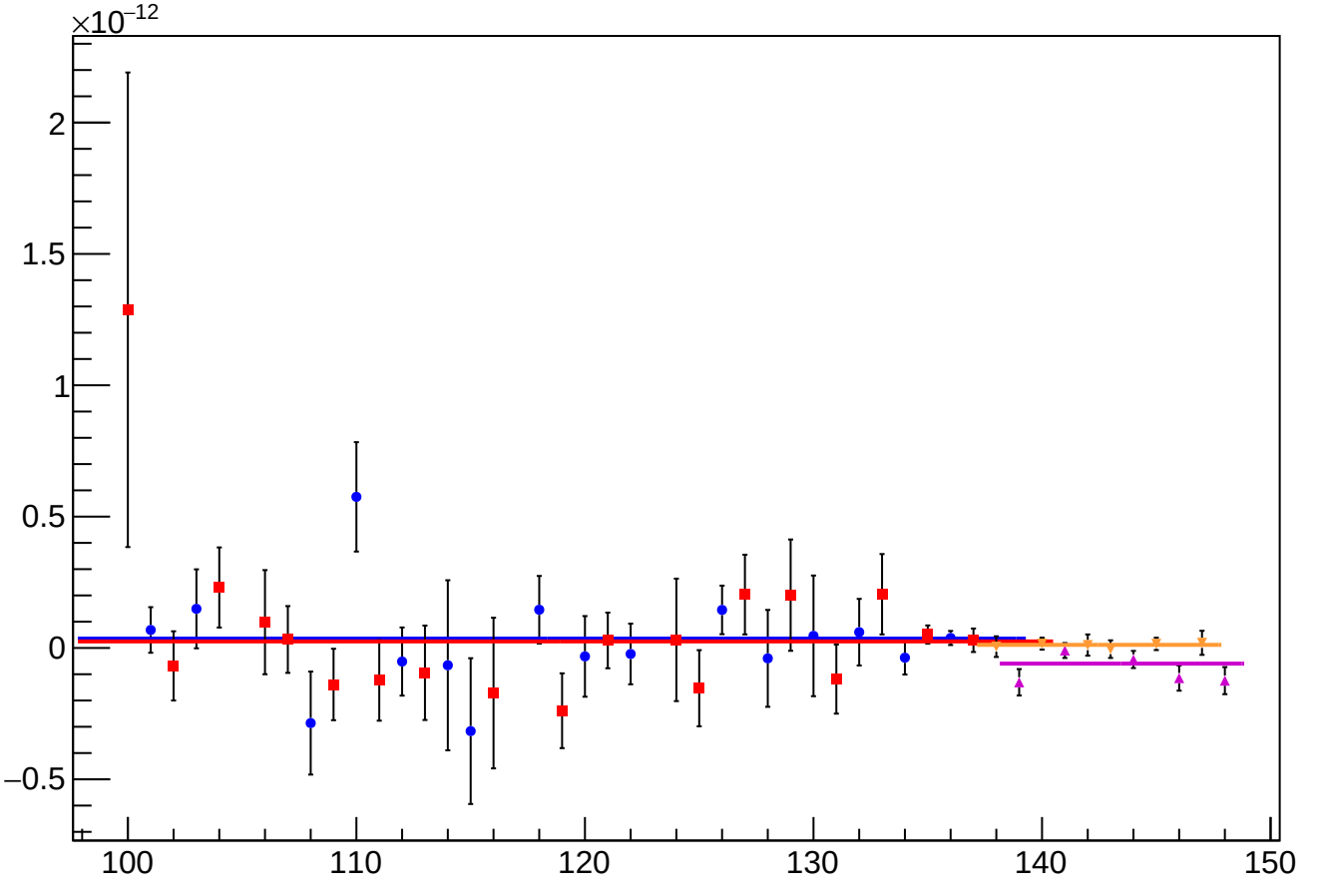
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

+ sign 82.813+/-0.018 χ^2/NDF: 1205923.6/21

All: 83.953+/-0.013 χ^2/NDF: 2419627.8/45

- sign 85.168+/-0.018 χ^2/NDF: 1205047.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/5

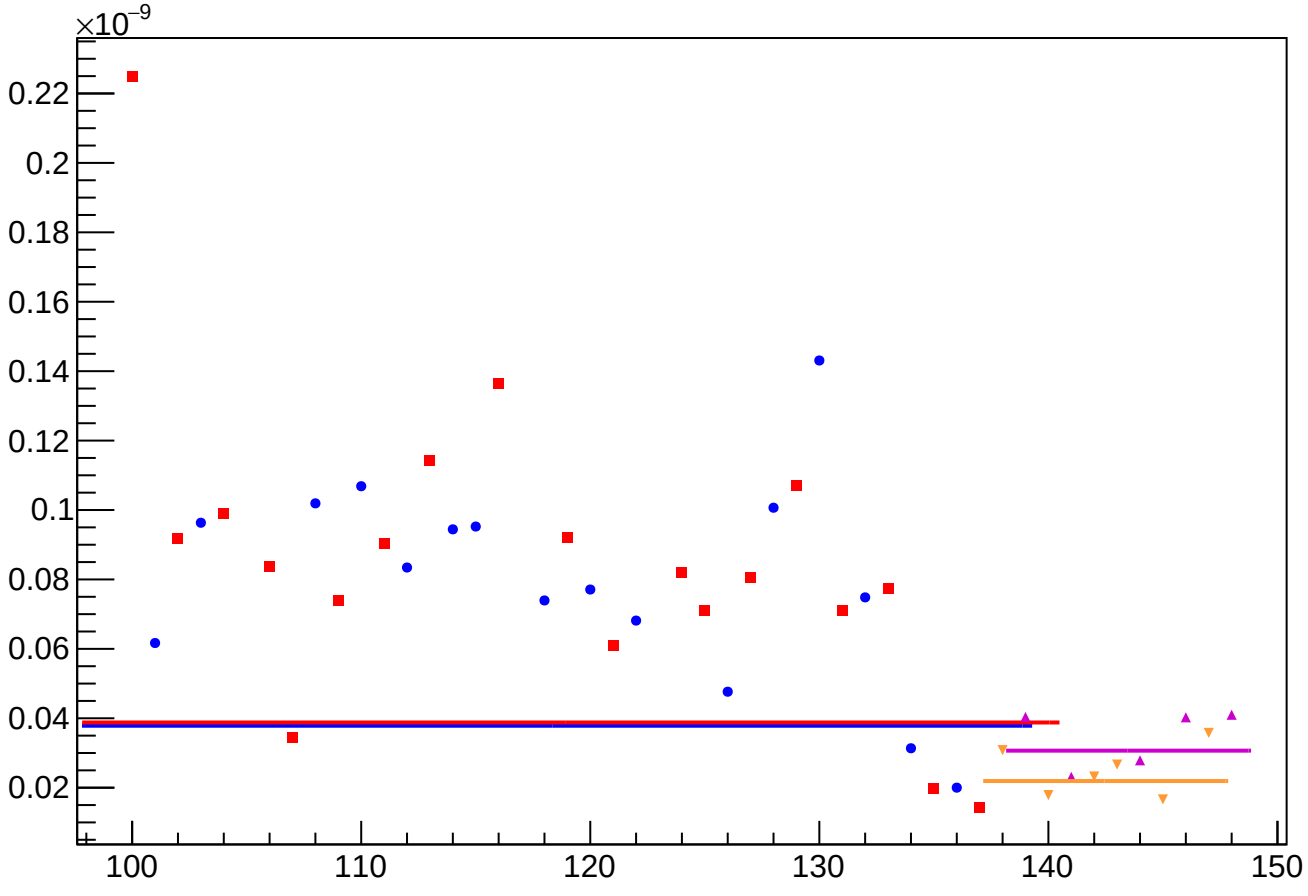
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/21

All: 0.000+/-0.000 χ^2/NDF: 59.9/45

- sign -0.000+/-0.000 χ^2/NDF: 35.2/23



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

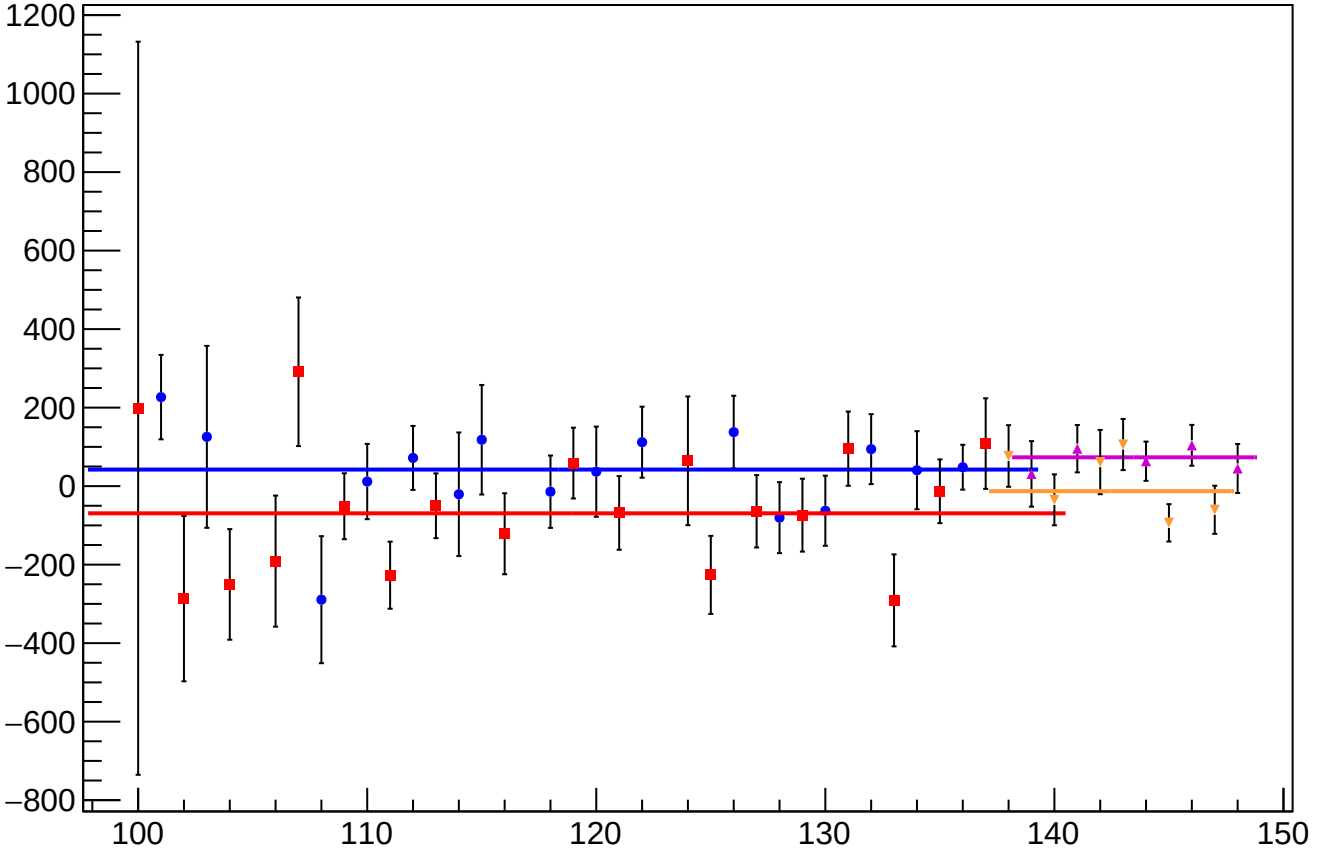
Left In: 0.000+/-0.000 χ^2/NDF:390173.1/4

\+ sign 0.000+/-0.000 χ^2/NDF: 4820496.1/21

All: 0.000+/-0.000 χ^2/NDF: 9874990.8/45

\- sign 0.000+/-0.000 χ^2/NDF: 4678857.5/23

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

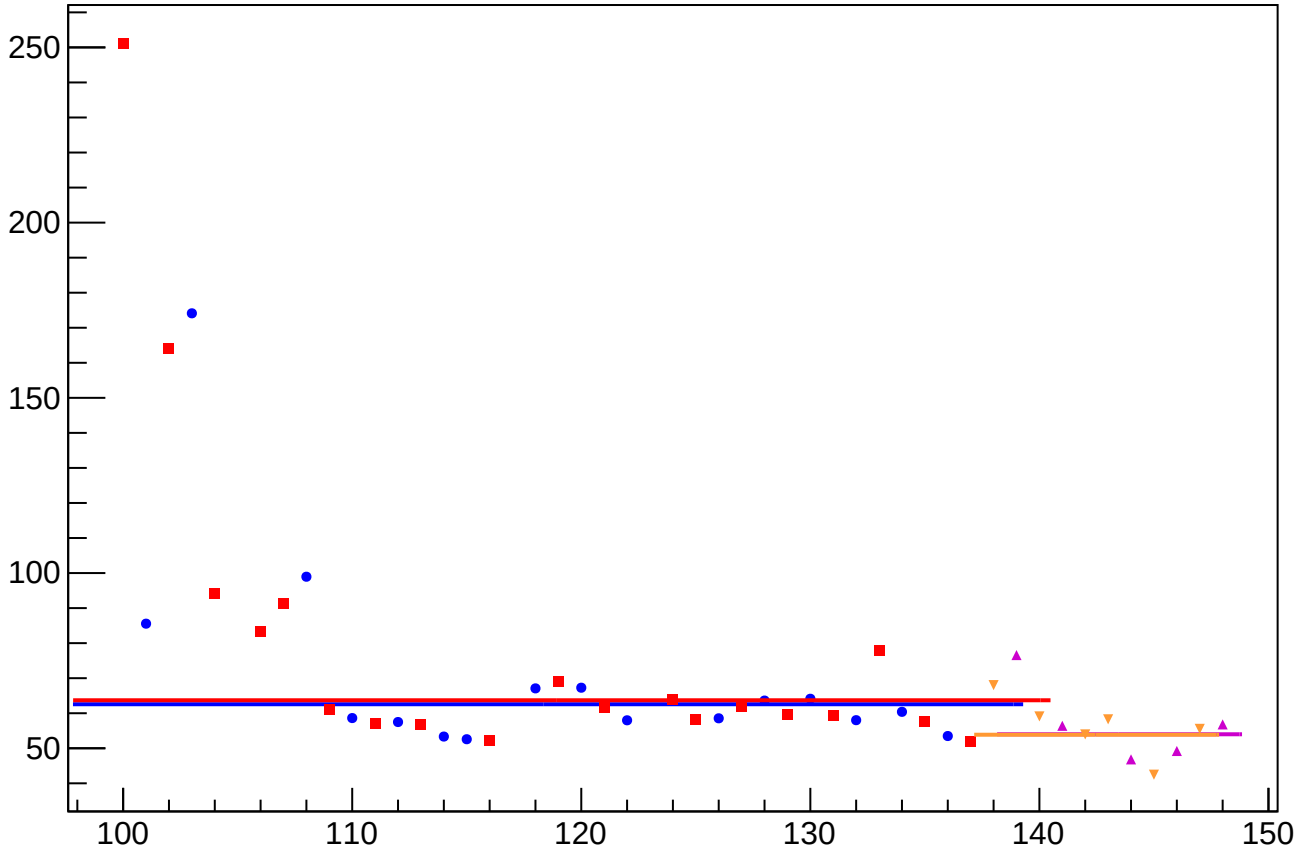
Left In: 73.381+/-26.314 χ^2/NDF:1.0/4

+ sign 16.556+/-17.682 χ^2/NDF: 25.0/21

All: 6.771+/-12.579 χ^2/NDF: 67.8/45

- sign -3.257+/-17.899 χ^2/NDF: 42.1/23

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

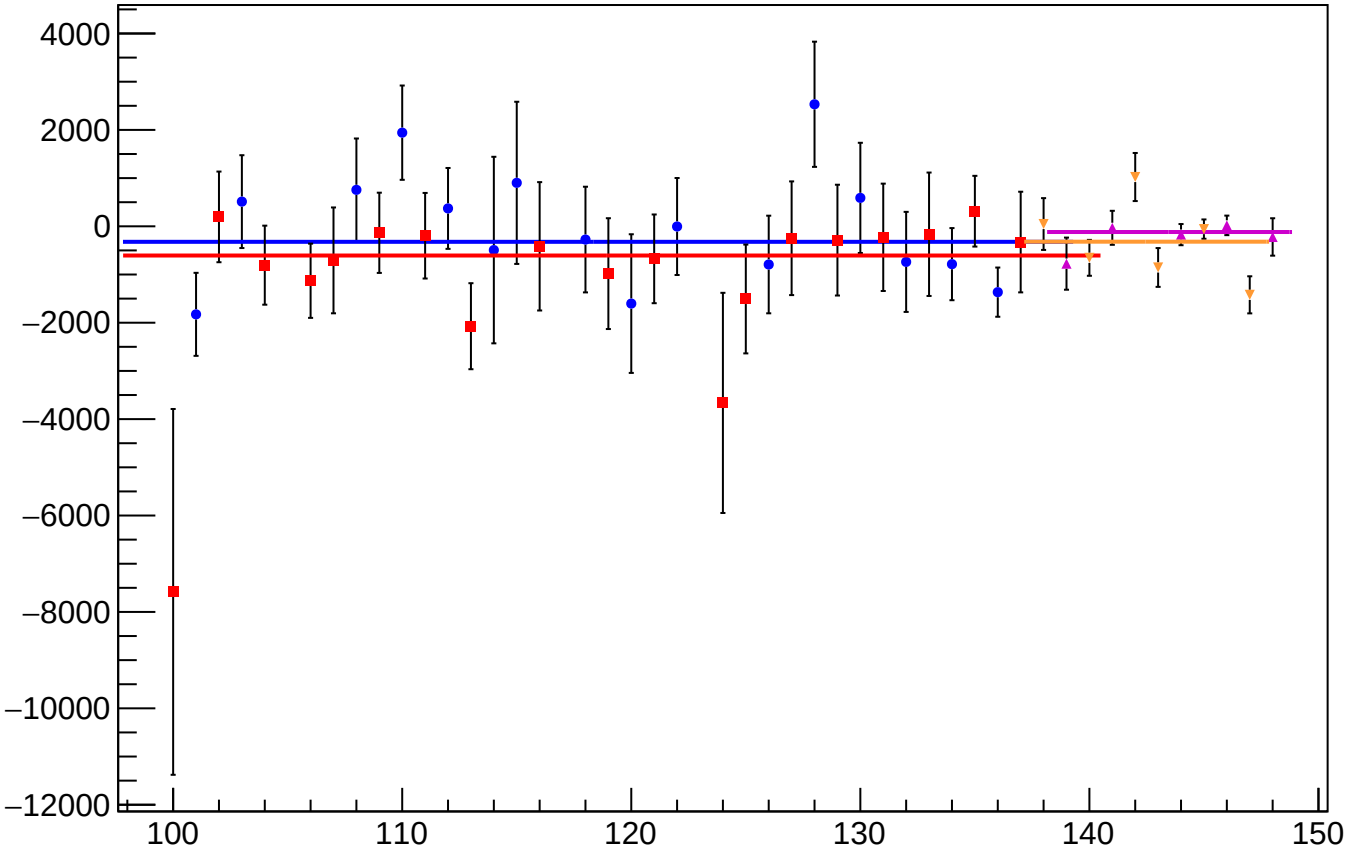
Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 58.507+/-0.013 χ^2/NDF: 1082585.5/21

All: 58.854+/-0.009 χ^2/NDF: 2276136.6/45

- sign 59.210+/-0.013 χ^2/NDF: 1191990.1/23

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

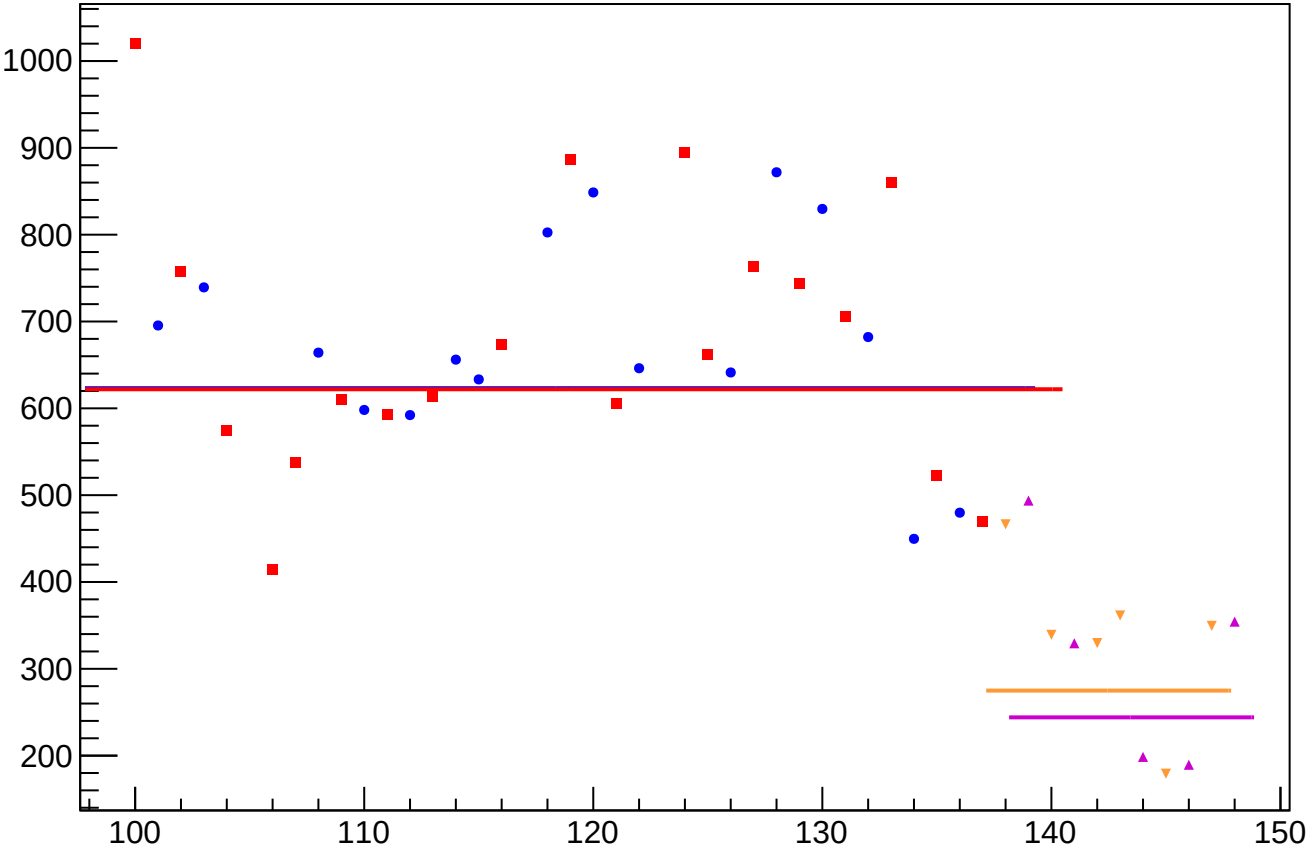
Left In: -118.165+/-125.779 χ^2/NDF:2.1/4

+ sign -319.631+/-119.412 χ^2/NDF: 42.9/21

All: -270.235+/-81.202 χ^2/NDF: 61.2/45

- sign -227.746+/-110.751 χ^2/NDF: 18.0/23

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

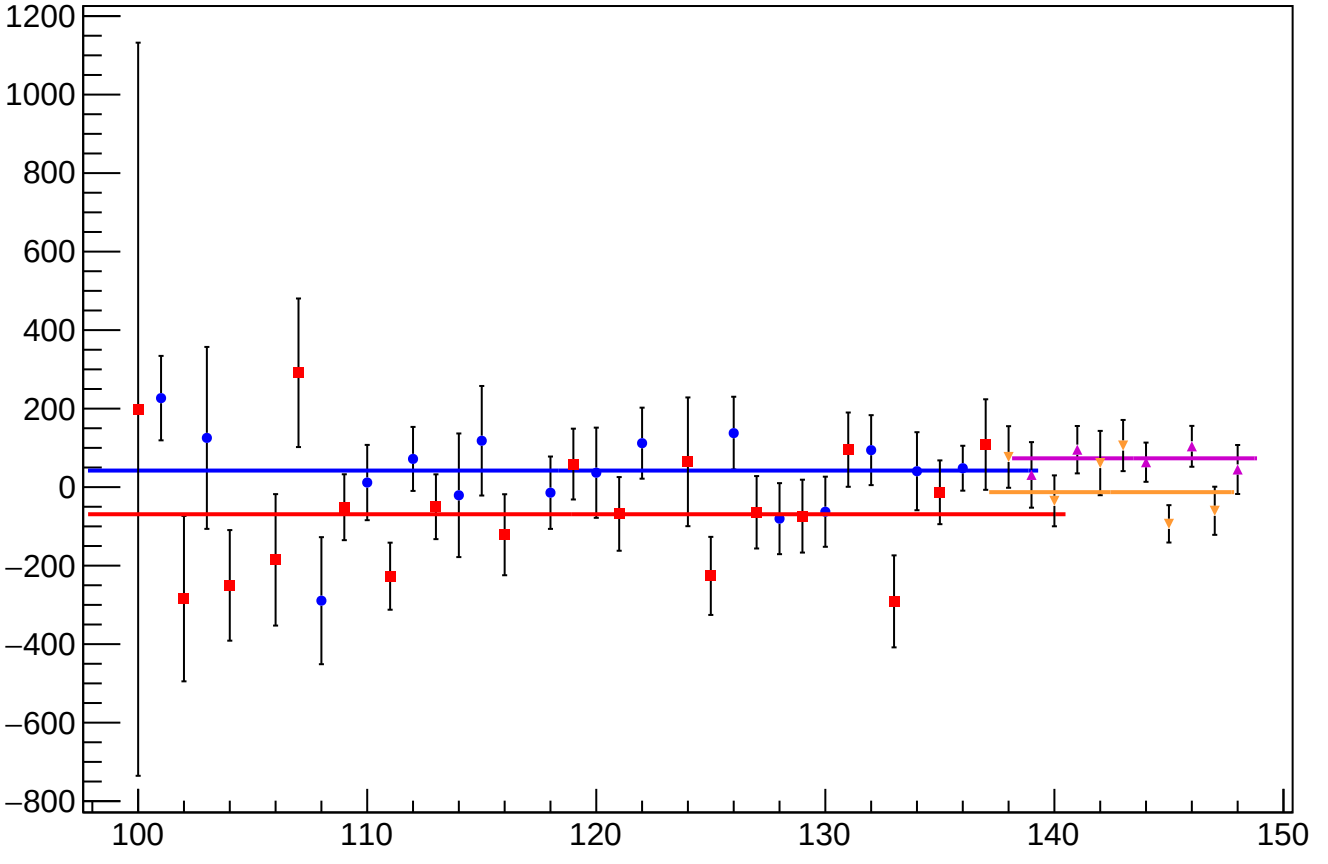
Left In: 244.082+/-0.089 χ^2/NDF:936122.7/4

+ sign 362.231+/-0.084 χ^2/NDF: 4722878.5/21

All: 344.362+/-0.057 χ^2/NDF: 10381264.2/45

- sign 328.991+/-0.078 χ^2/NDF: 5575075.0/23

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

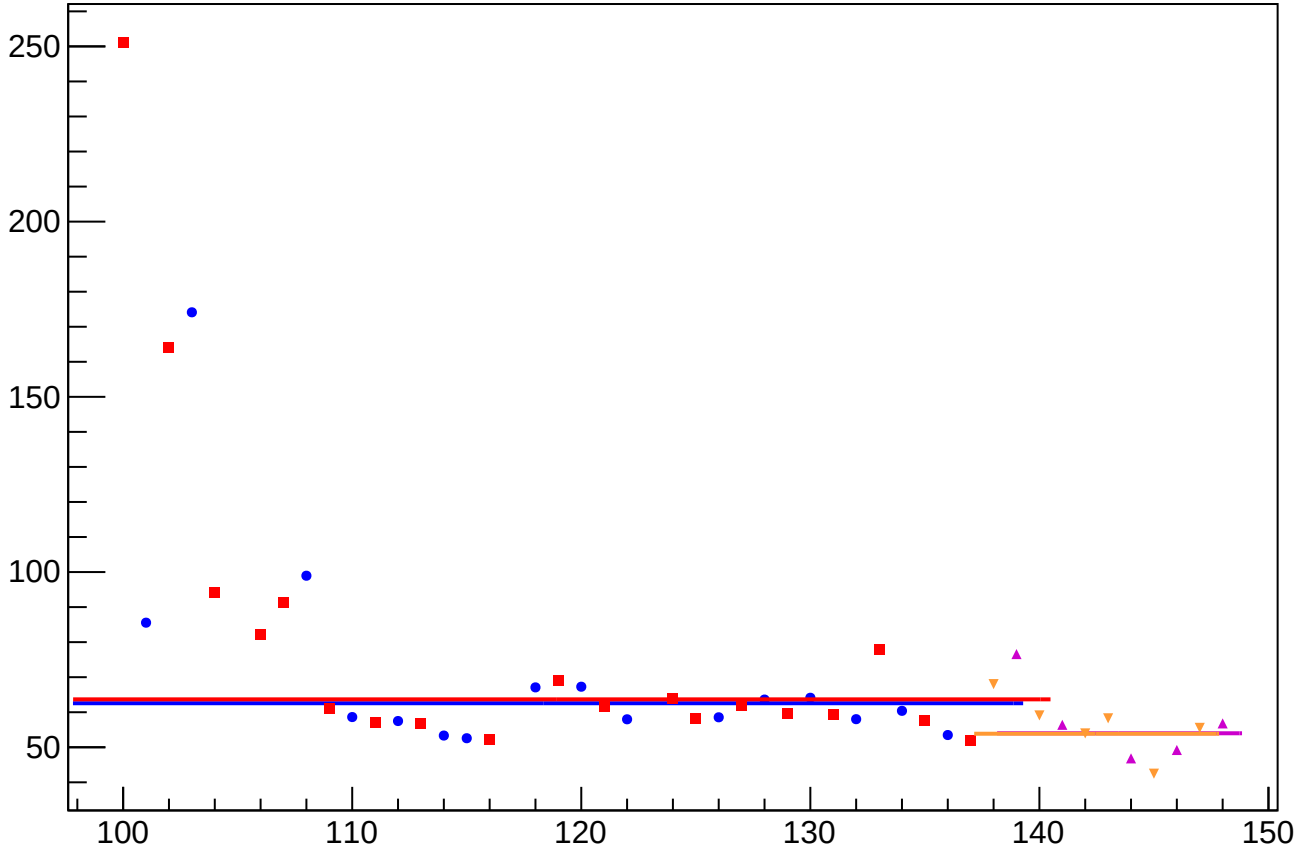
Left In: 73.379+/-26.314 χ^2/NDF:1.0/4

+ sign 16.555+/-17.682 χ^2/NDF: 25.0/21

All: 6.820+/-12.579 χ^2/NDF: 67.6/45

- sign -3.156+/-17.900 χ^2/NDF: 42.0/23

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

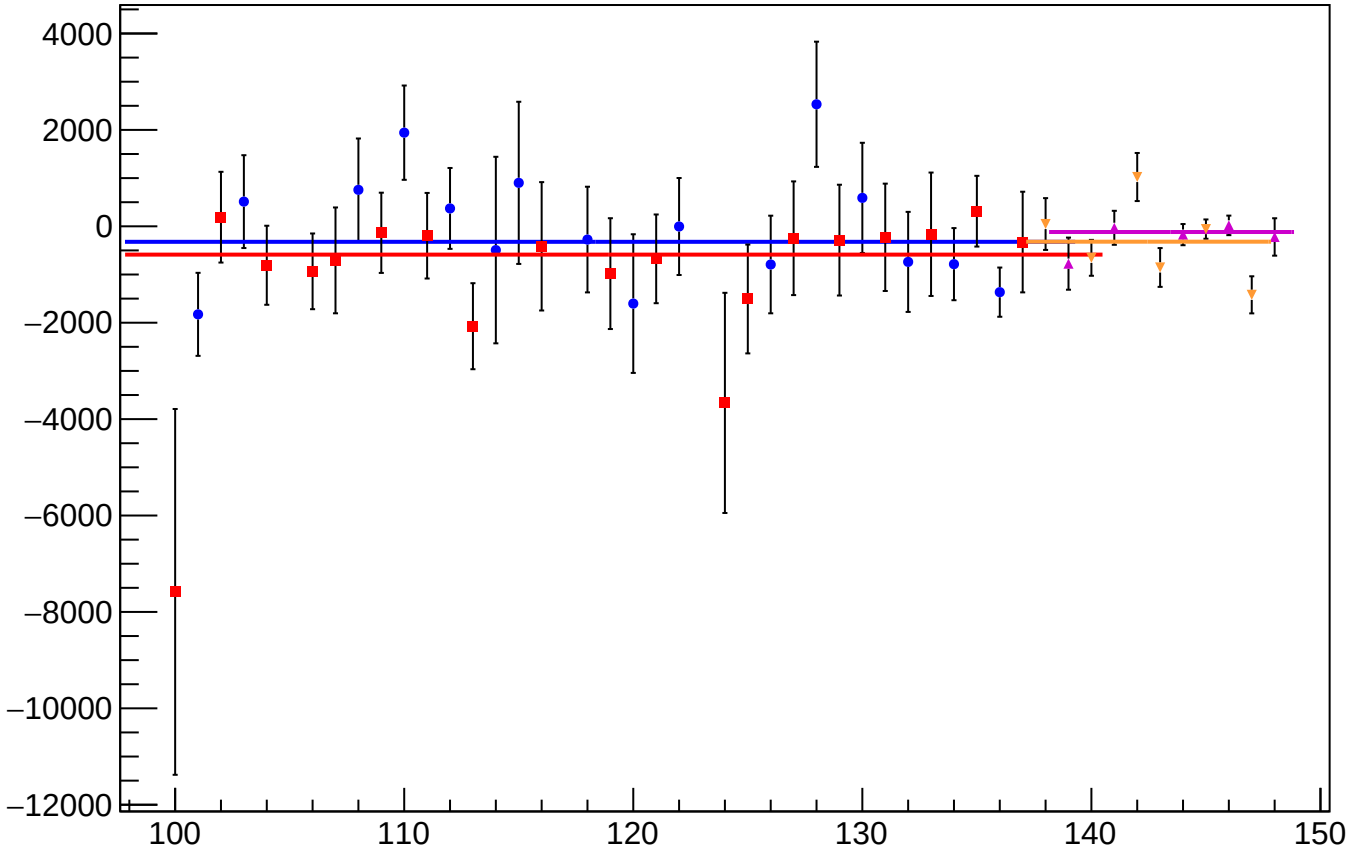
Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 58.507+/-0.013 χ^2/NDF: 1082587.6/21

All: 58.847+/-0.009 χ^2/NDF: 2272598.3/45

- sign 59.197+/-0.013 χ^2/NDF: 1188508.1/23

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

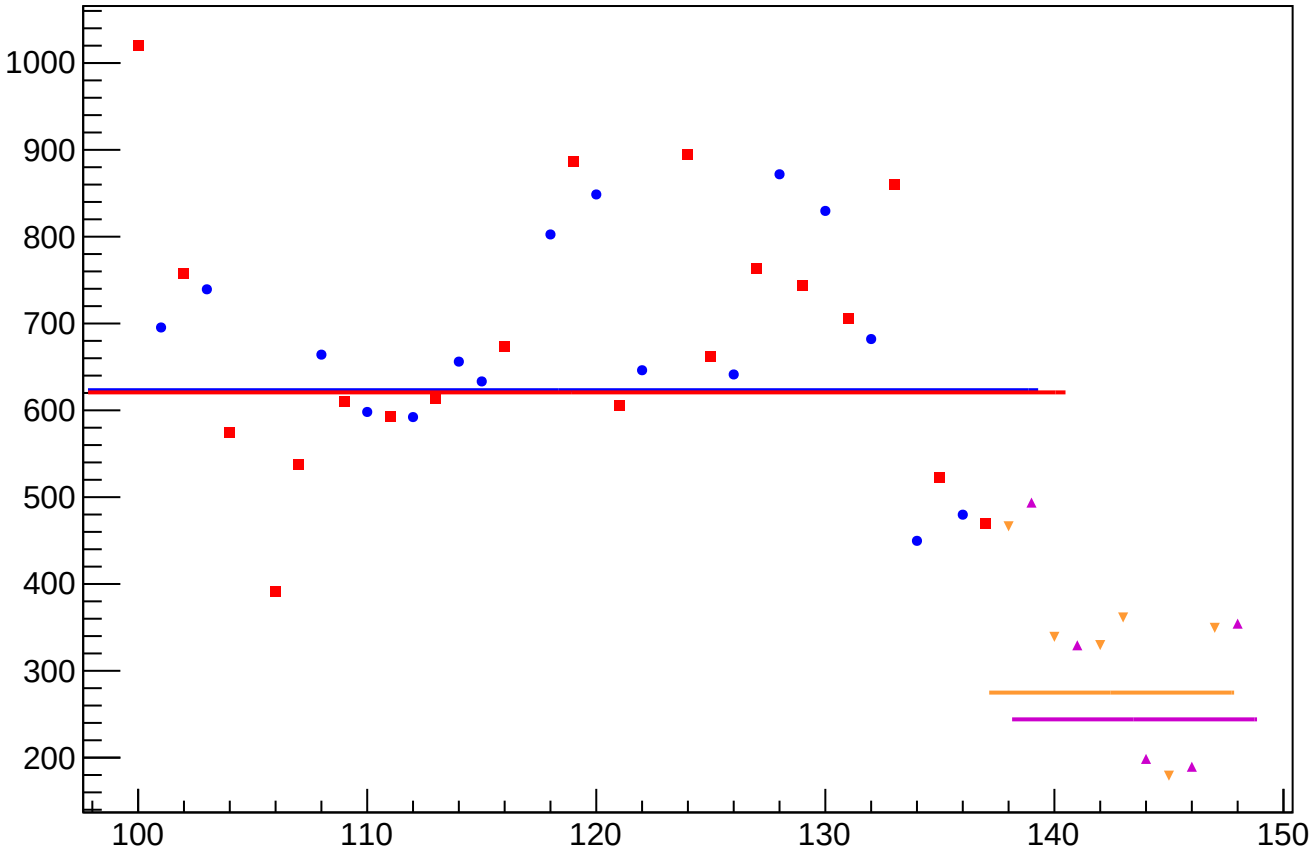
Left In: -118.171+/-125.779 χ^2/NDF:2.1/4

+ sign -319.627+/-119.412 χ^2/NDF: 42.9/21

All: -267.841+/-81.220 χ^2/NDF: 60.7/45

- sign -223.258+/-110.797 χ^2/NDF: 17.4/23

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

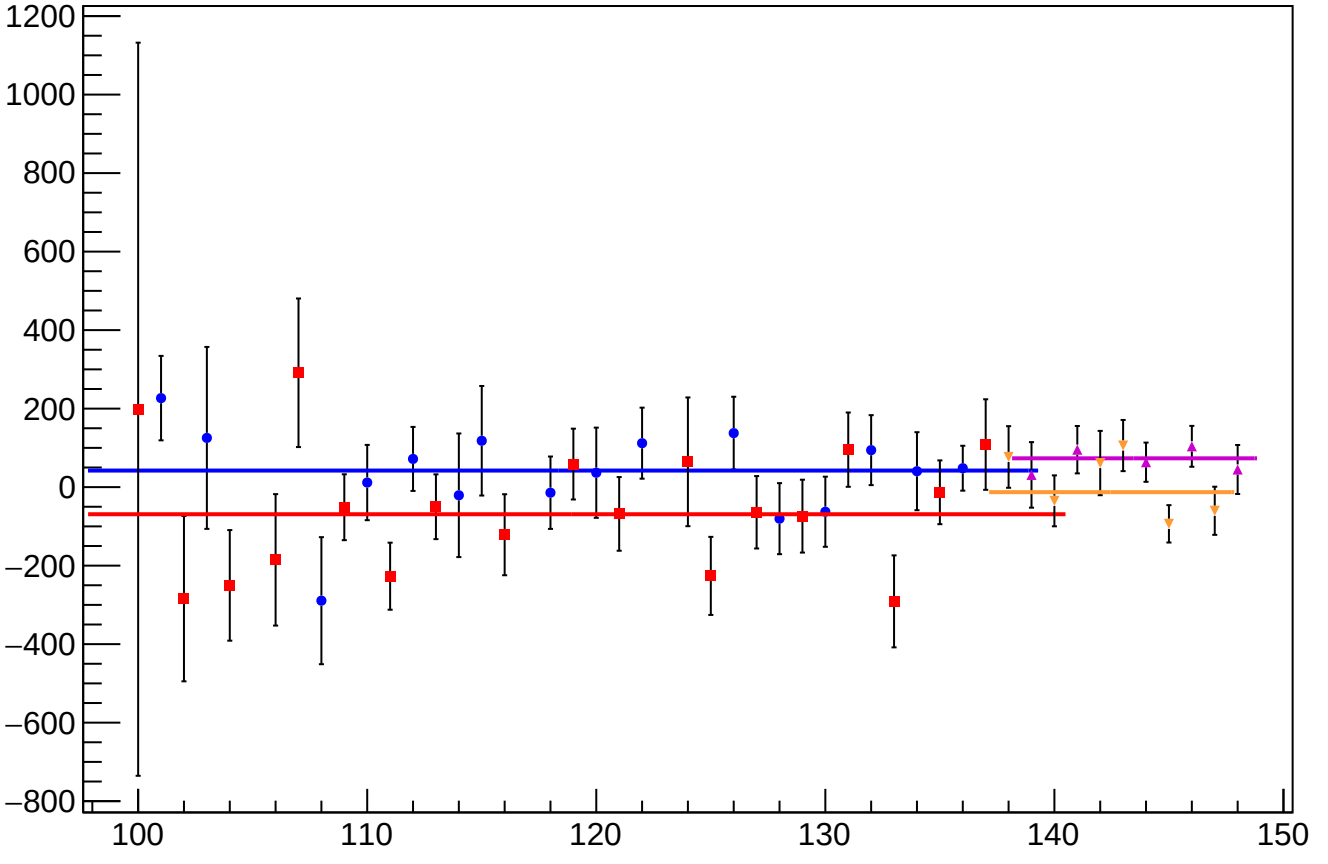
Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

+ sign 362.231+/-0.084 χ^2/NDF: 4722947.4/21

All: 344.080+/-0.057 χ^2/NDF: 10372401.7/45

- sign 328.453+/-0.078 χ^2/NDF: 5563462.6/23

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

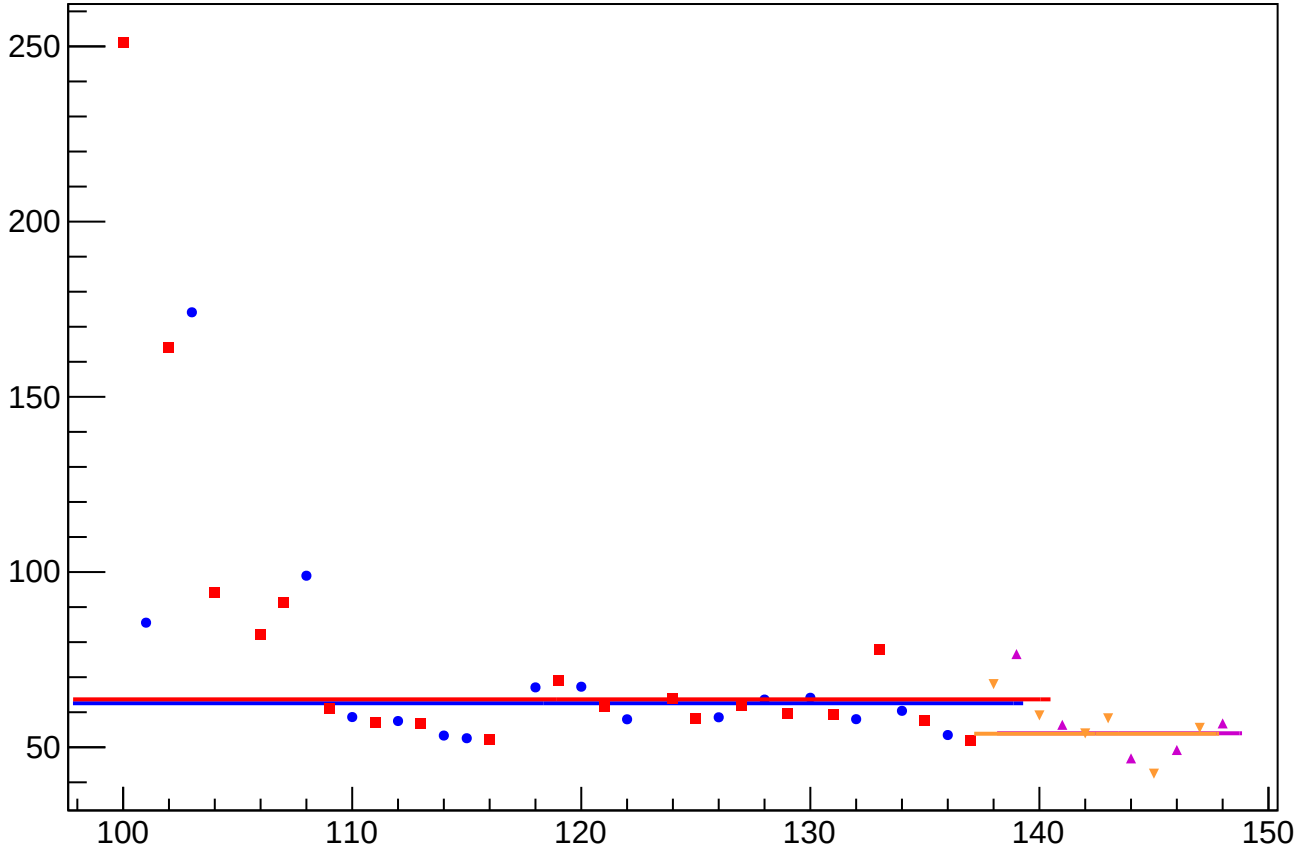
Left In: 73.379+/-26.314 χ^2/NDF:1.0/4

+ sign 16.555+/-17.682 χ^2/NDF: 25.0/21

All: 6.820+/-12.579 χ^2/NDF: 67.6/45

- sign -3.156+/-17.900 χ^2/NDF: 42.0/23

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

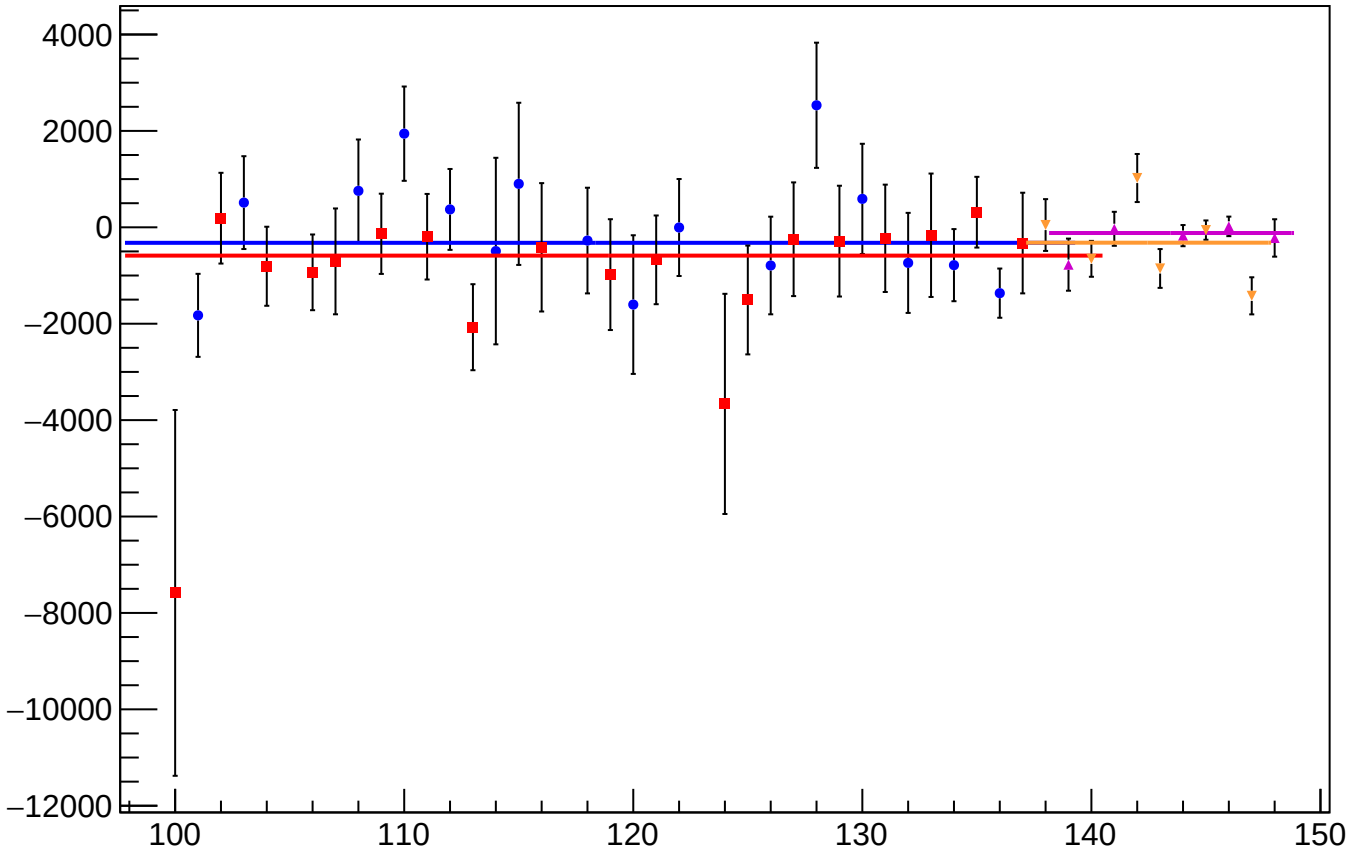
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 58.507+/-0.013 χ^2/NDF: 1082587.6/21

All: 58.847+/-0.009 χ^2/NDF: 2272598.3/45

- sign 59.197+/-0.013 χ^2/NDF: 1188508.1/23



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

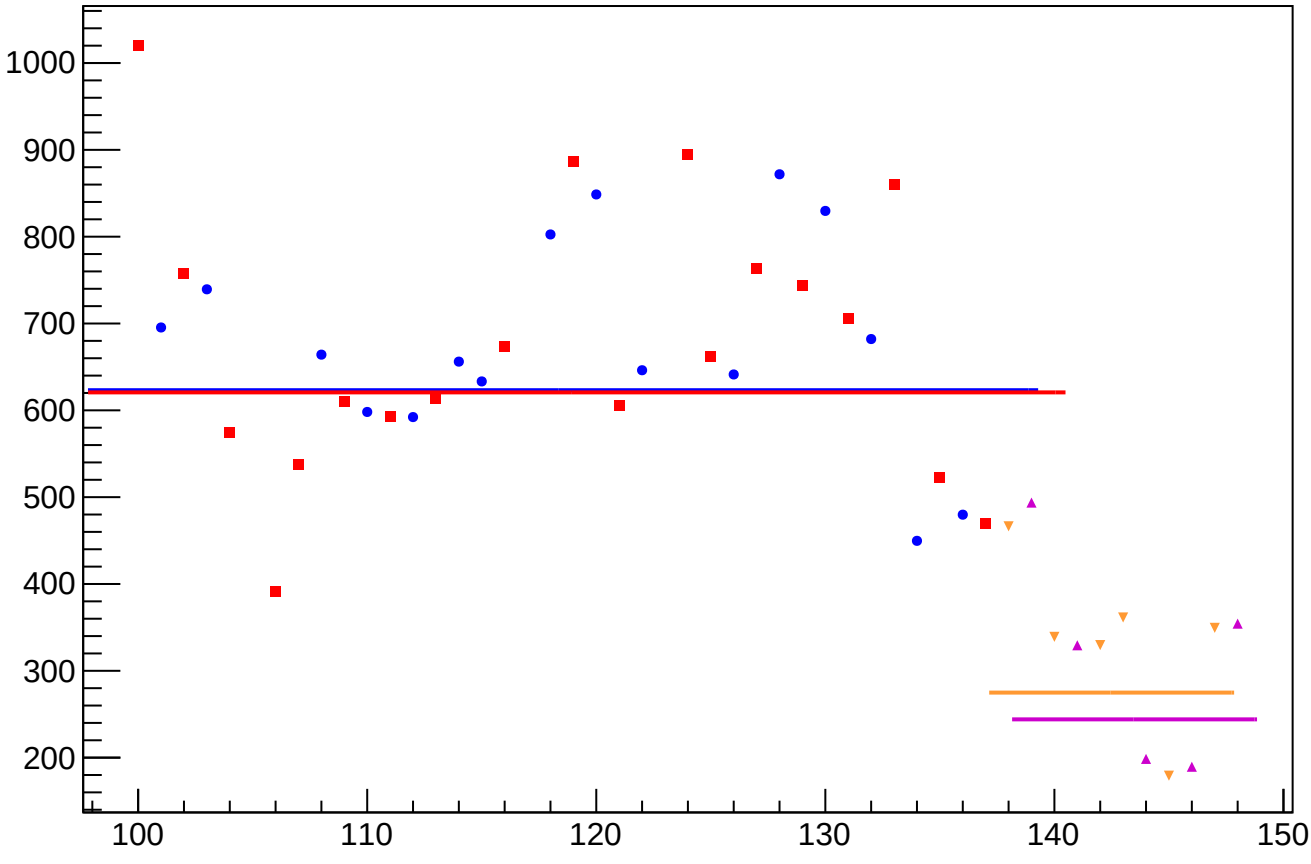
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -118.171+/-125.779 χ^2/NDF:2.1/4

+ sign -319.627+/-119.412 χ^2/NDF: 42.9/21

All: -267.841+/-81.220 χ^2/NDF: 60.7/45

- sign -223.258+/-110.797 χ^2/NDF: 17.4/23



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

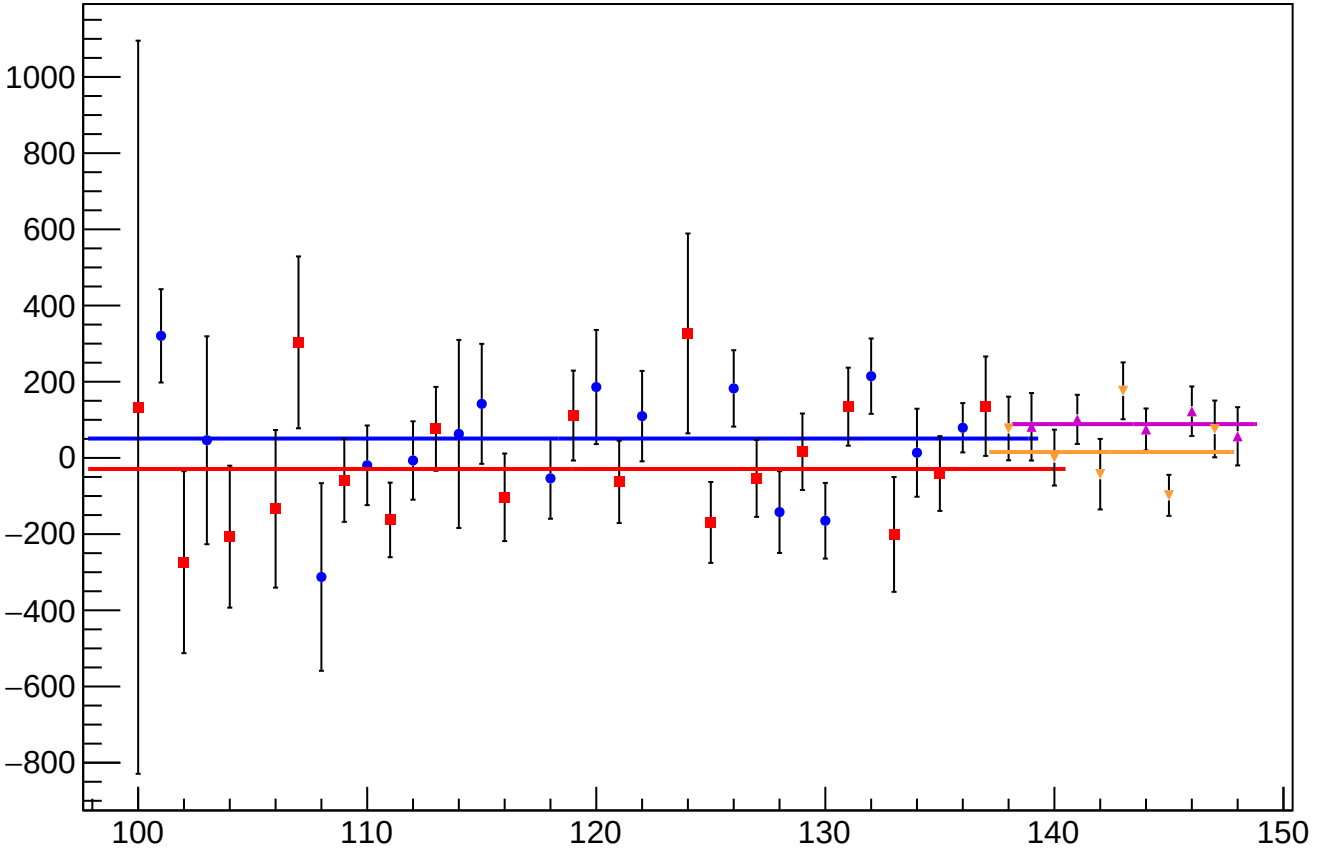
Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

+ sign 362.231+/-0.084 χ^2/NDF: 4722947.4/21

All: 344.080+/-0.057 χ^2/NDF: 10372401.7/45

- sign 328.453+/-0.078 χ^2/NDF: 5563462.6/23

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

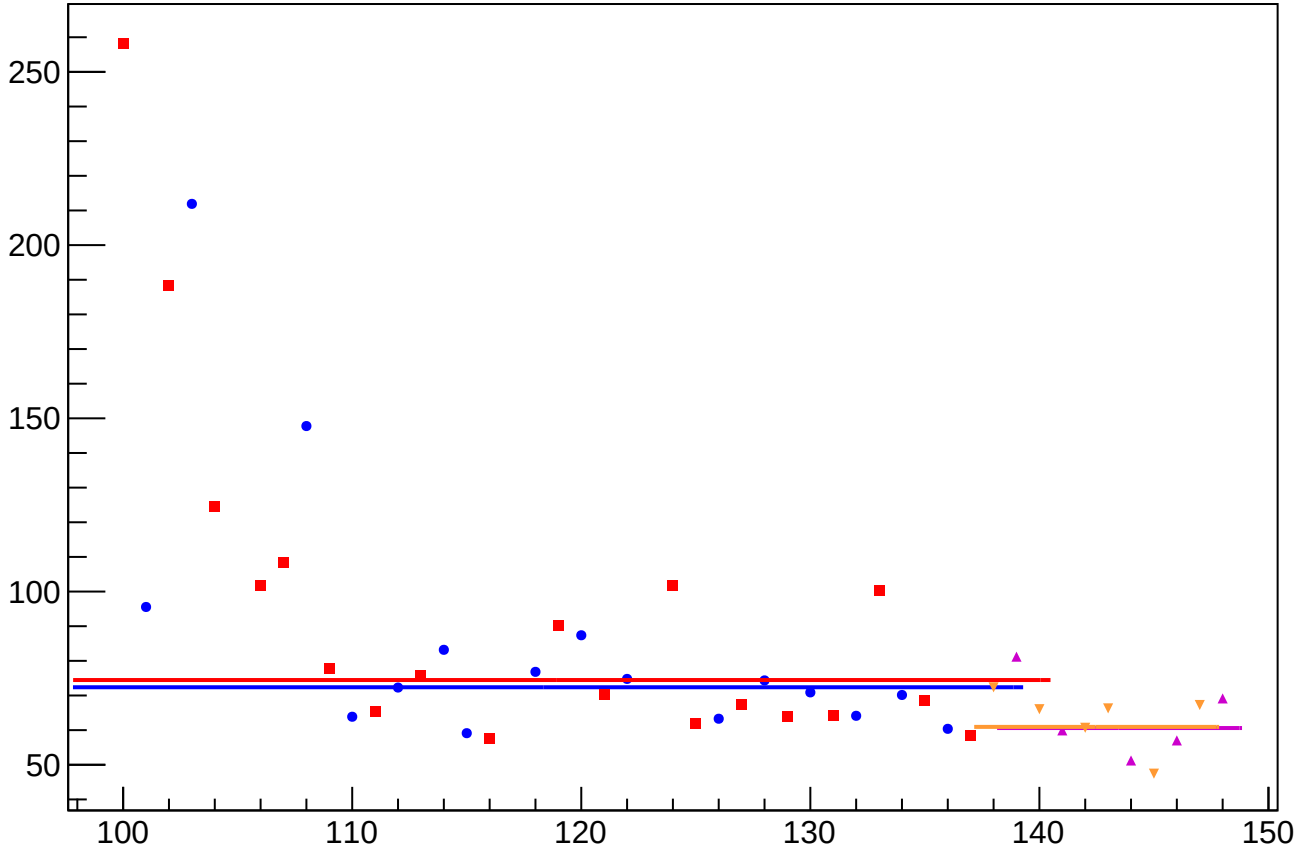
Left In: 88.737+/-30.094 χ^2/NDF:0.6/4

+ sign 33.840+/-20.423 χ^2/NDF: 34.3/21

All: 30.728+/-14.589 χ^2/NDF: 61.4/45

- sign 27.486+/-20.848 χ^2/NDF: 27.0/23

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

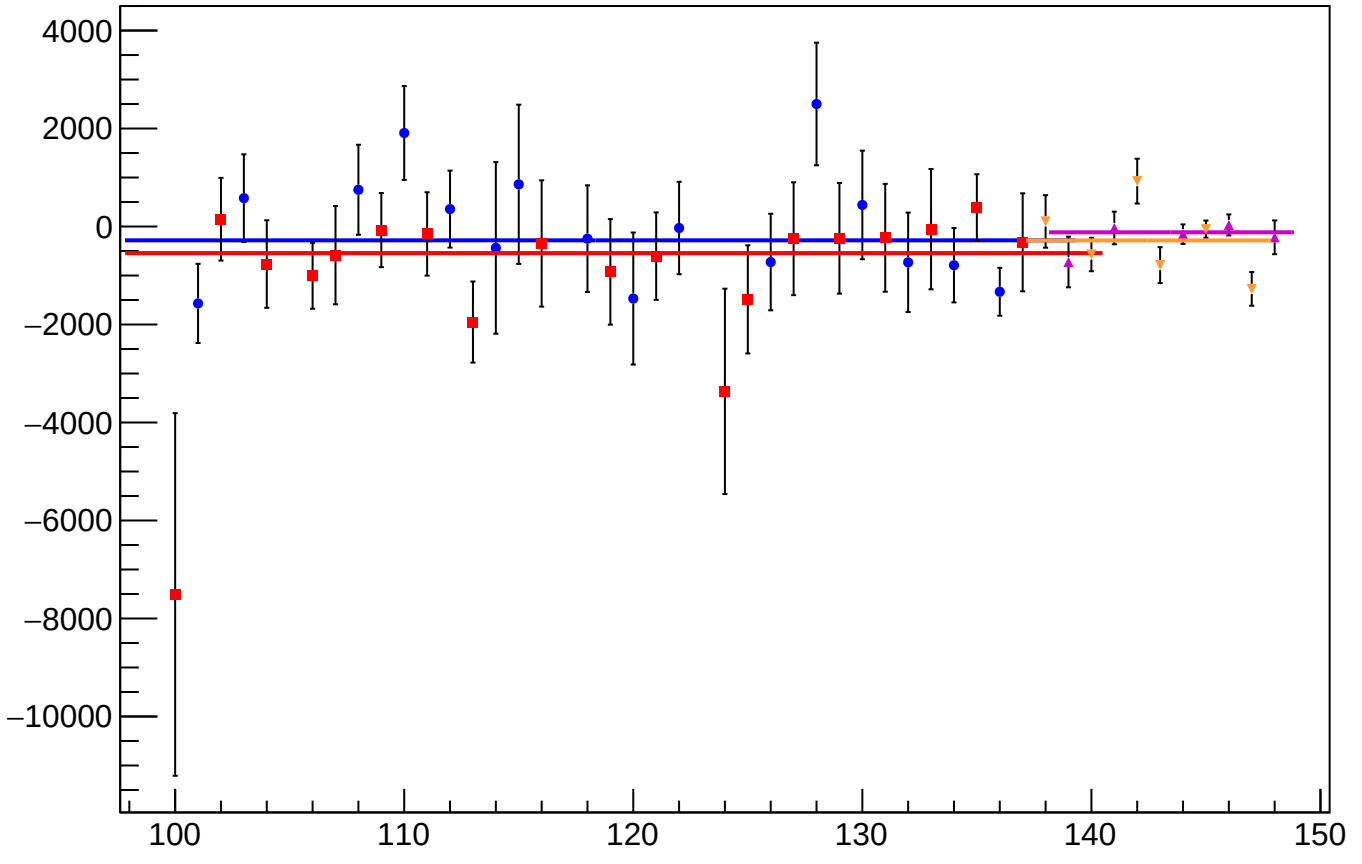
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 60.607+/-0.021 χ^2/NDF:197214.6/4

+ sign 66.890+/-0.014 χ^2/NDF: 1292082.5/21

All: 67.342+/-0.010 χ^2/NDF: 2764107.0/45

- sign 67.813+/-0.015 χ^2/NDF: 1470022.6/23



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

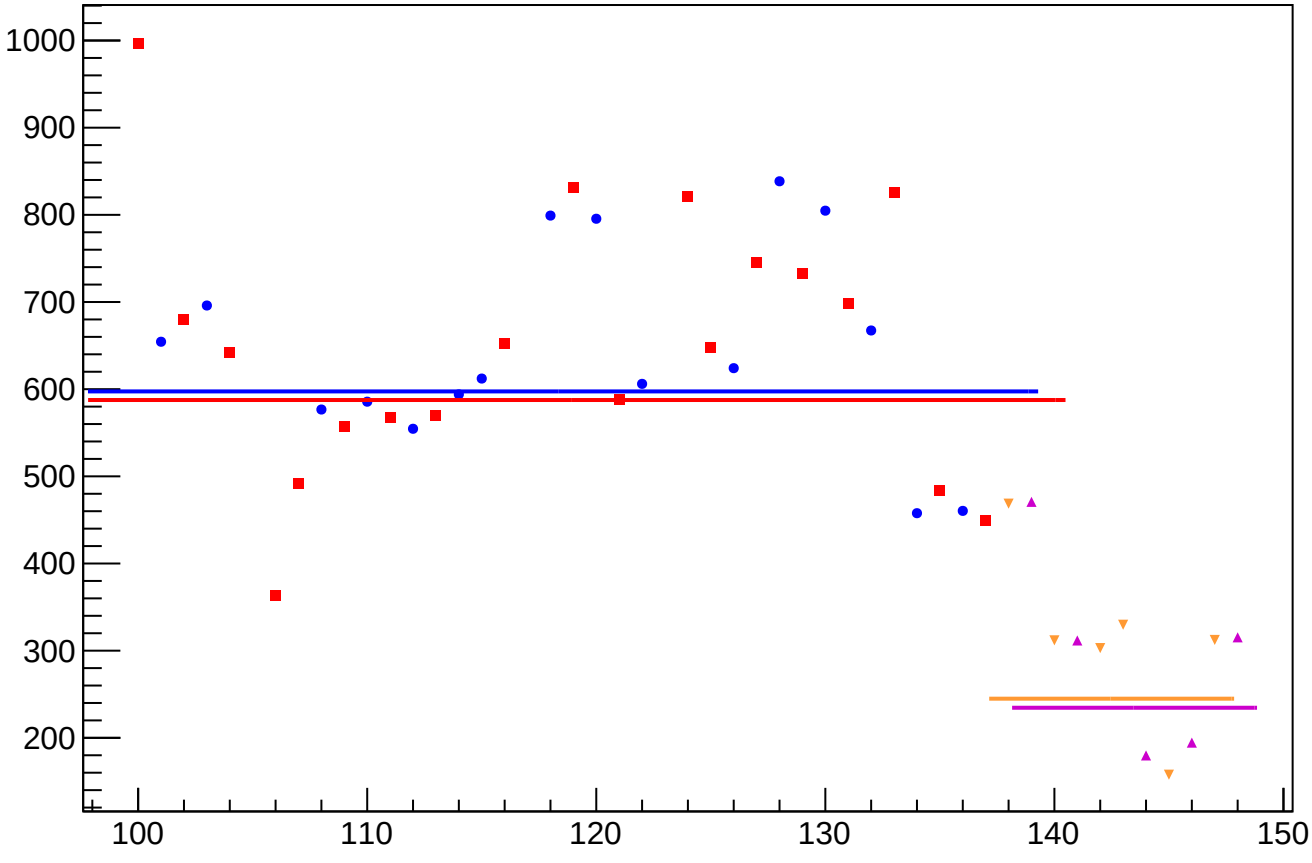
Left In: -117.722+/-120.926 χ^2/NDF:2.1/4

+ sign -283.415+/-108.770 χ^2/NDF: 42.9/21

All: -248.632+/-75.941 χ^2/NDF: 61.3/45

- sign -215.554+/-106.073 χ^2/NDF: 18.2/23

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

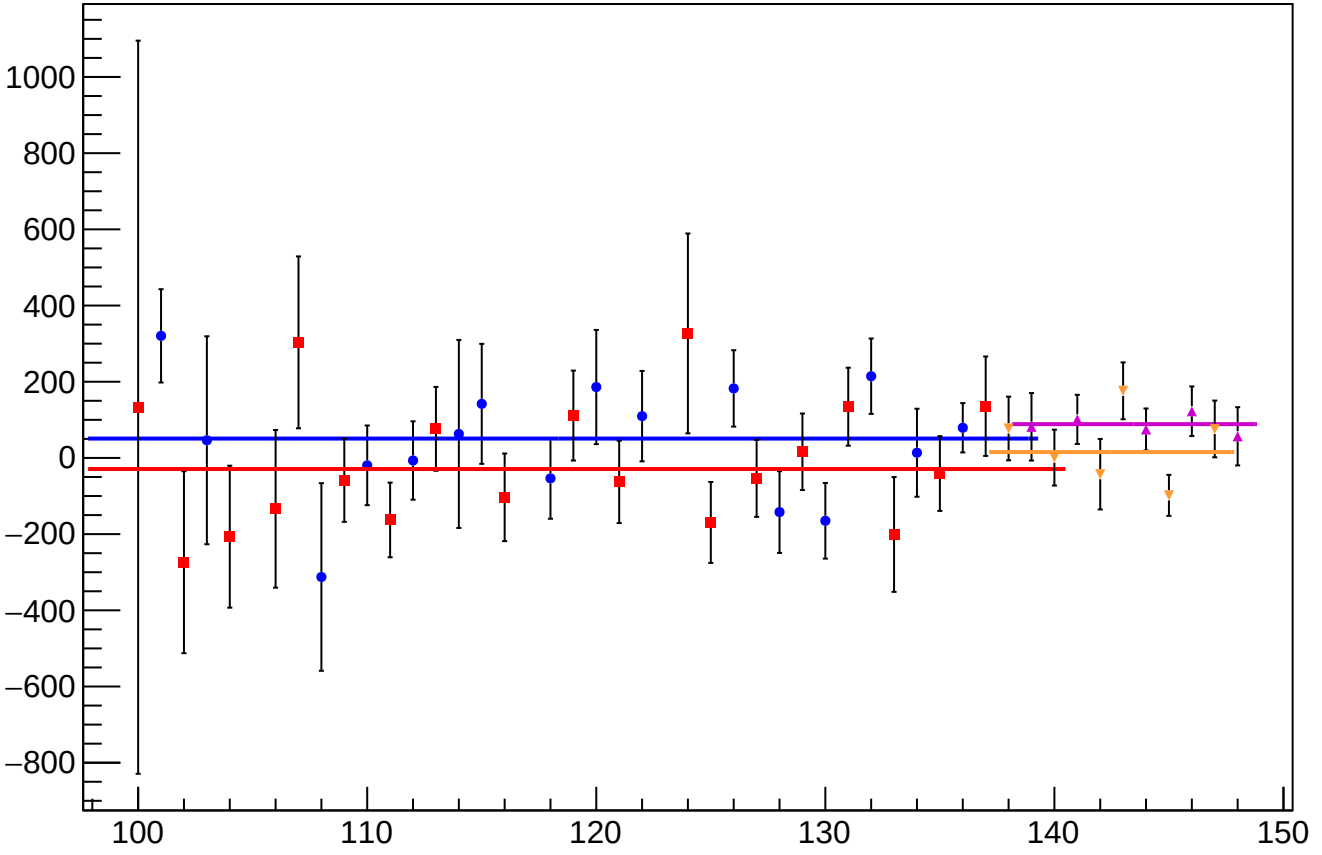
Left In: 234.516+/-0.086 χ^2/NDF:856671.7/4

+ sign 325.299+/-0.077 χ^2/NDF: 5367241.6/21

All: 320.491+/-0.054 χ^2/NDF: 10851198.5/45

- sign 315.918+/-0.075 χ^2/NDF: 5476332.4/23

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

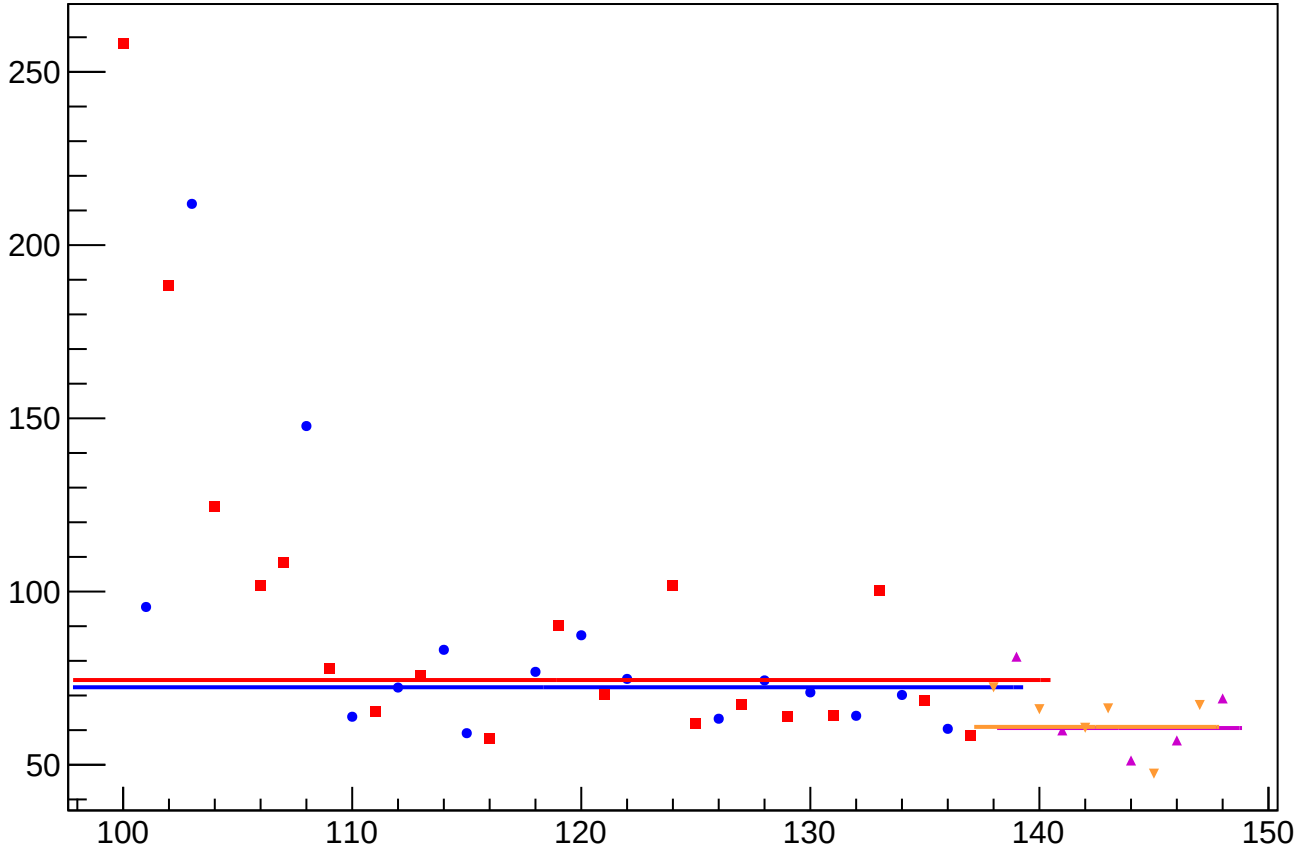
Left In: 88.737+/-30.094 χ^2/NDF:0.6/4

\+ sign 33.840+/-20.423 χ^2/NDF: 34.3/21

All: 30.728+/-14.589 χ^2/NDF: 61.4/45

\- sign 27.486+/-20.848 χ^2/NDF: 27.0/23

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

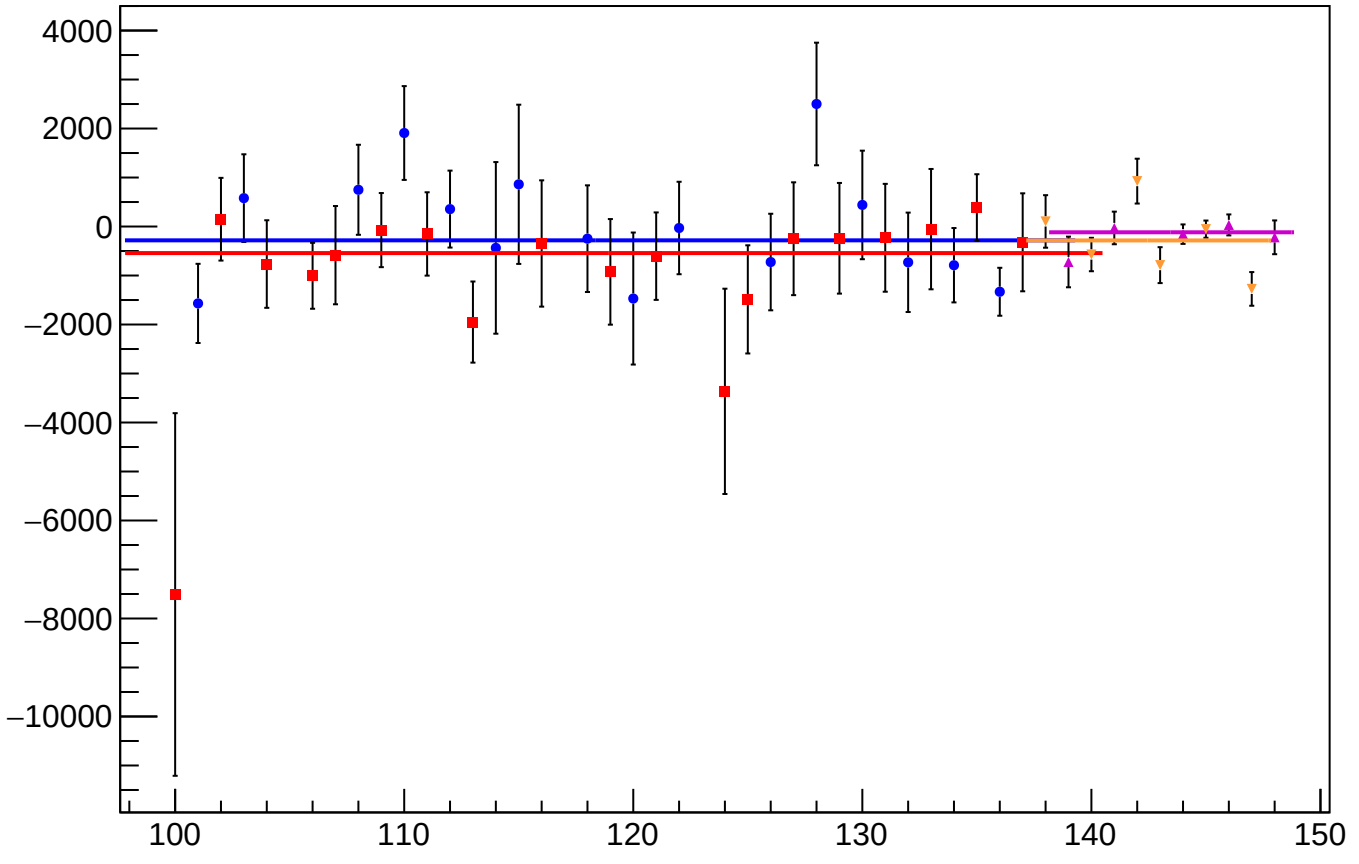
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.607+/-0.021 χ^2/NDF:197217.8/4

+ sign 66.890+/-0.014 χ^2/NDF: 1292090.2/21

All: 67.342+/-0.010 χ^2/NDF: 2764110.6/45

- sign 67.813+/-0.015 χ^2/NDF: 1470018.5/23



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

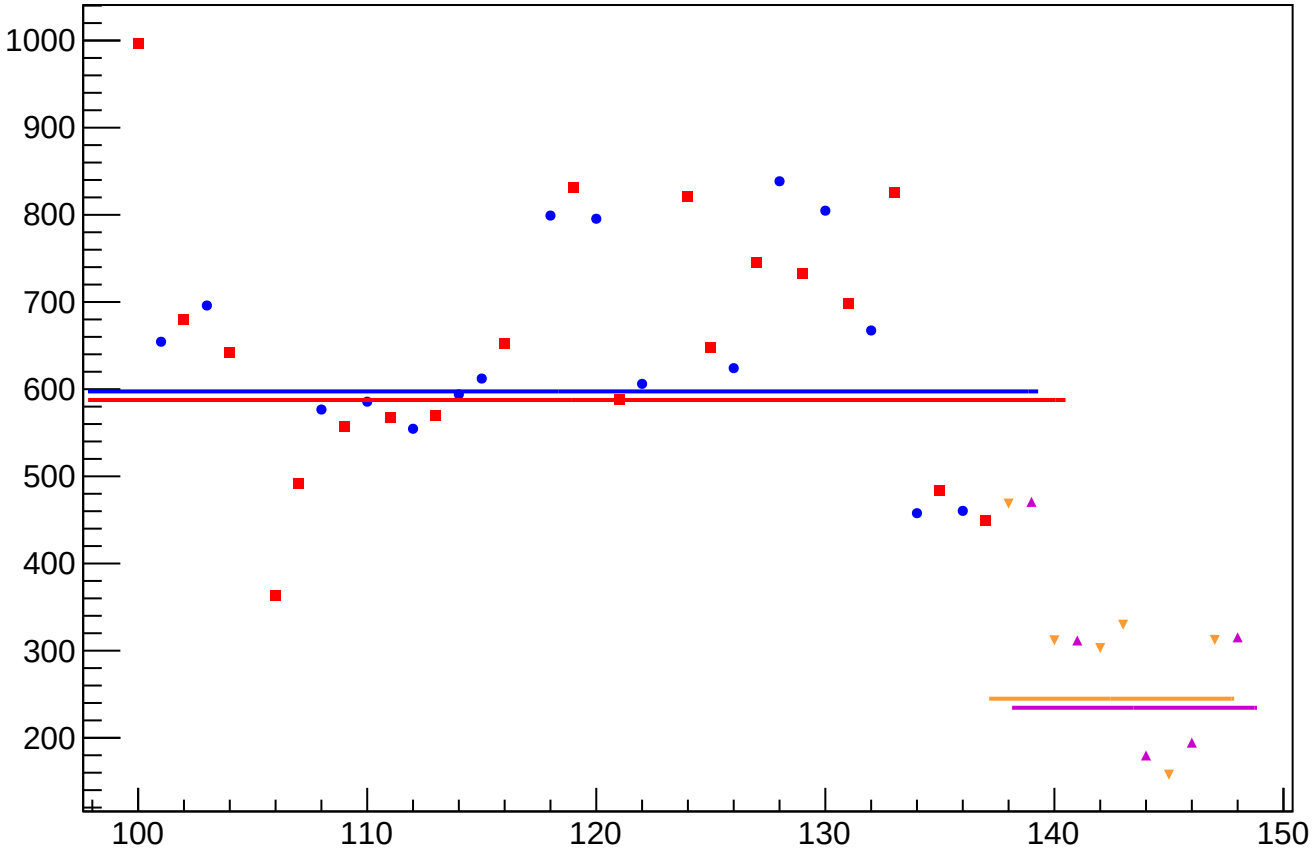
Left In: -117.722+/-120.926 χ^2/NDF:2.1/4

+ sign -283.415+/-108.770 χ^2/NDF: 42.9/21

All: -248.632+/-75.940 χ^2/NDF: 61.3/45

- sign -215.553+/-106.073 χ^2/NDF: 18.2/23

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

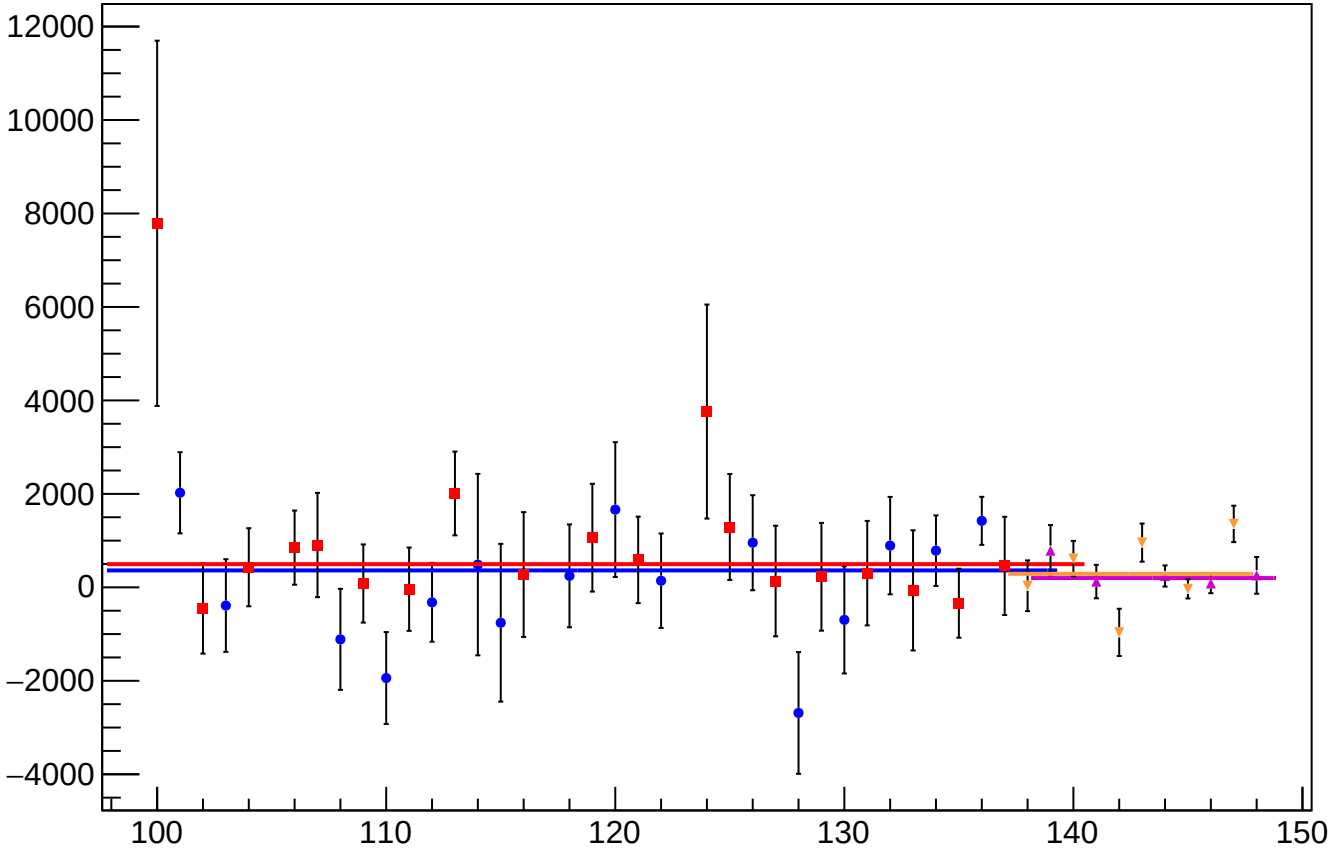
Left In: 234.516+/-0.086 χ^2/NDF:856671.0/4

+ sign 325.299+/-0.077 χ^2/NDF: 5367241.1/21

All: 320.491+/-0.054 χ^2/NDF: 10851196.2/45

- sign 315.918+/-0.075 χ^2/NDF: 5476330.4/23

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

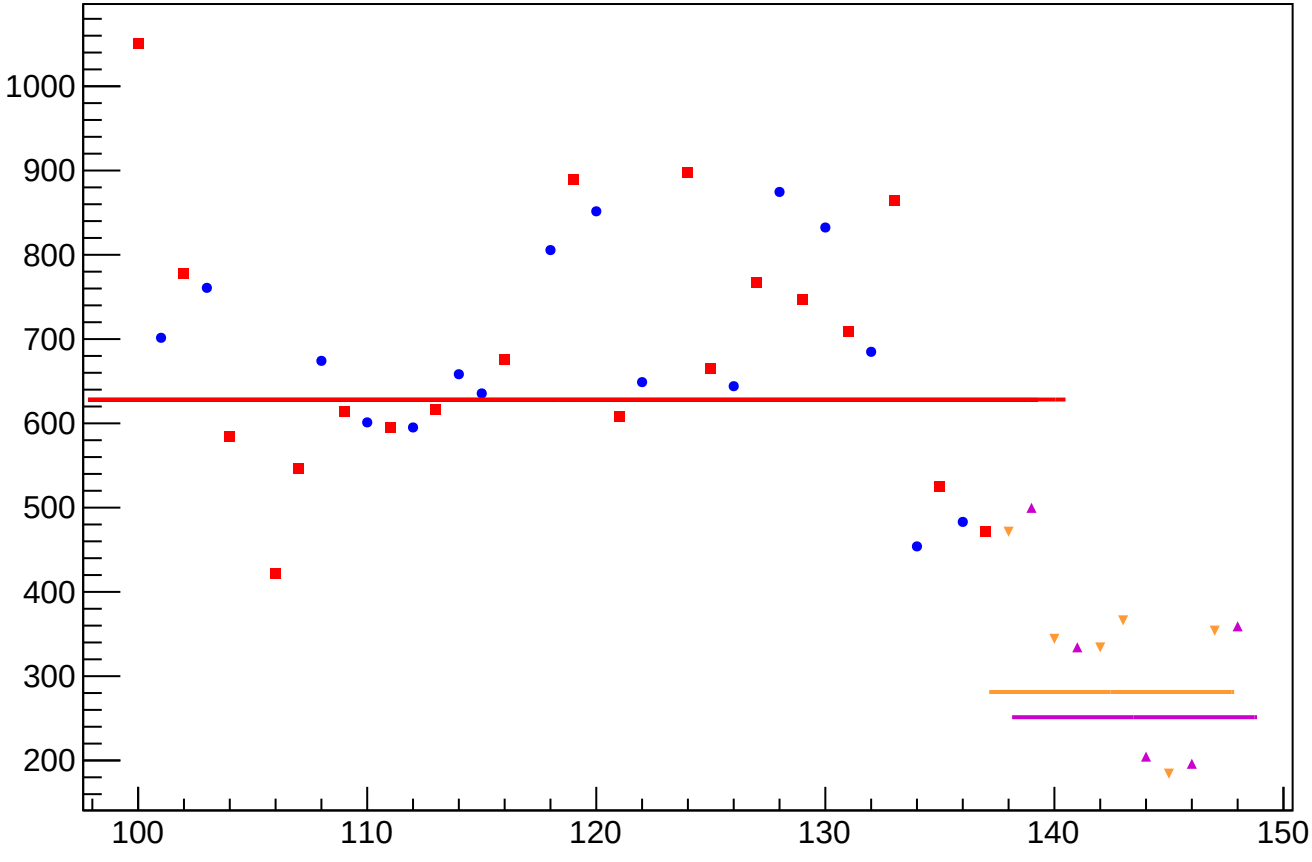
Left In: 198.703+/-129.074 χ^2/NDF:1.6/4

+ sign 307.818+/-121.464 χ^2/NDF: 44.9/21

All: 286.137+/-82.830 χ^2/NDF: 60.4/45

- sign 267.290+/-113.247 χ^2/NDF: 15.5/23

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

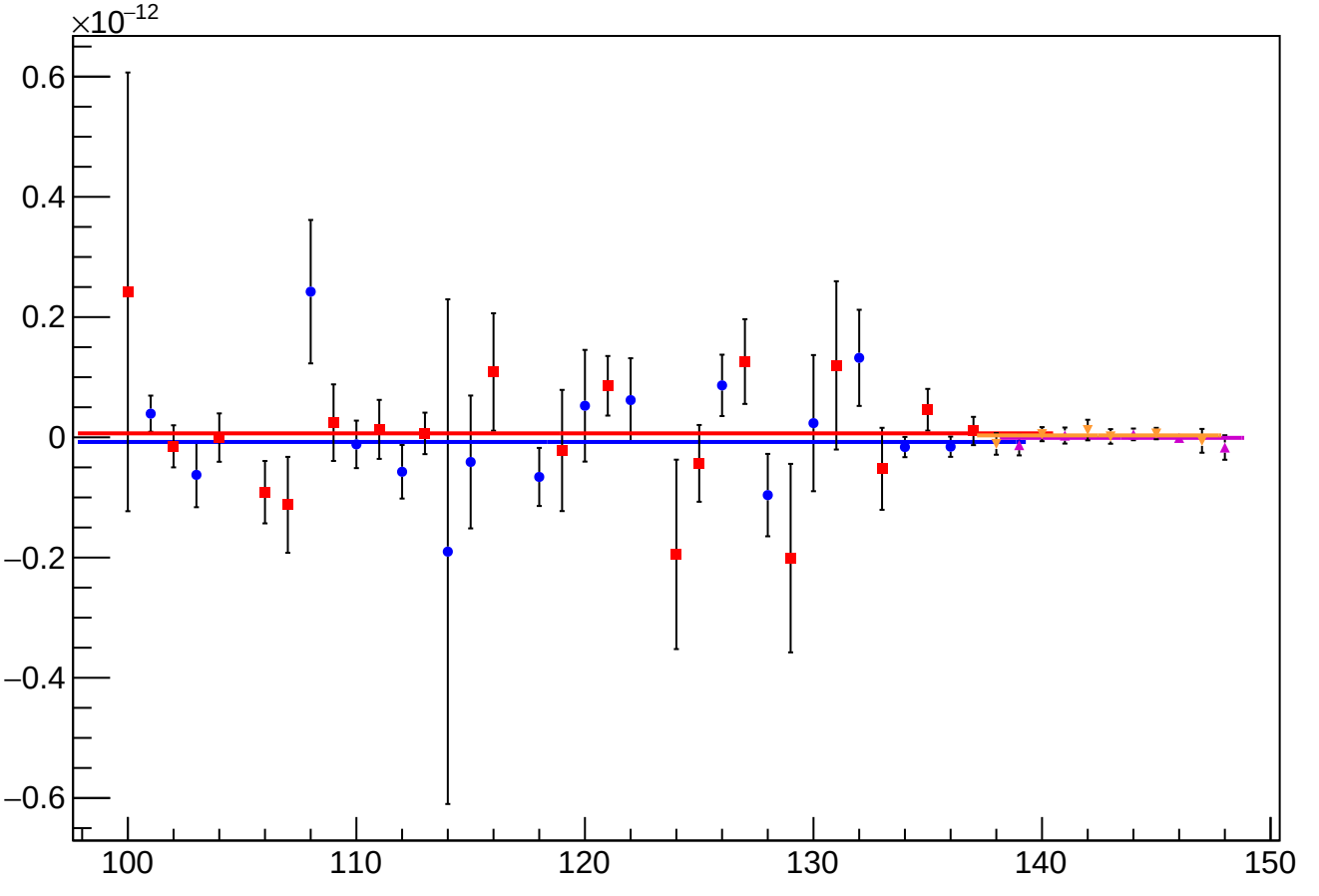
Left In: 251.319+/-0.091 χ^2/NDF:895024.9/4

+ sign 369.795+/-0.086 χ^2/NDF: 4587930.2/21

All: 352.835+/-0.059 χ^2/NDF: 10053234.5/45

- sign 338.092+/-0.080 χ^2/NDF: 5392417.0/23

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/5

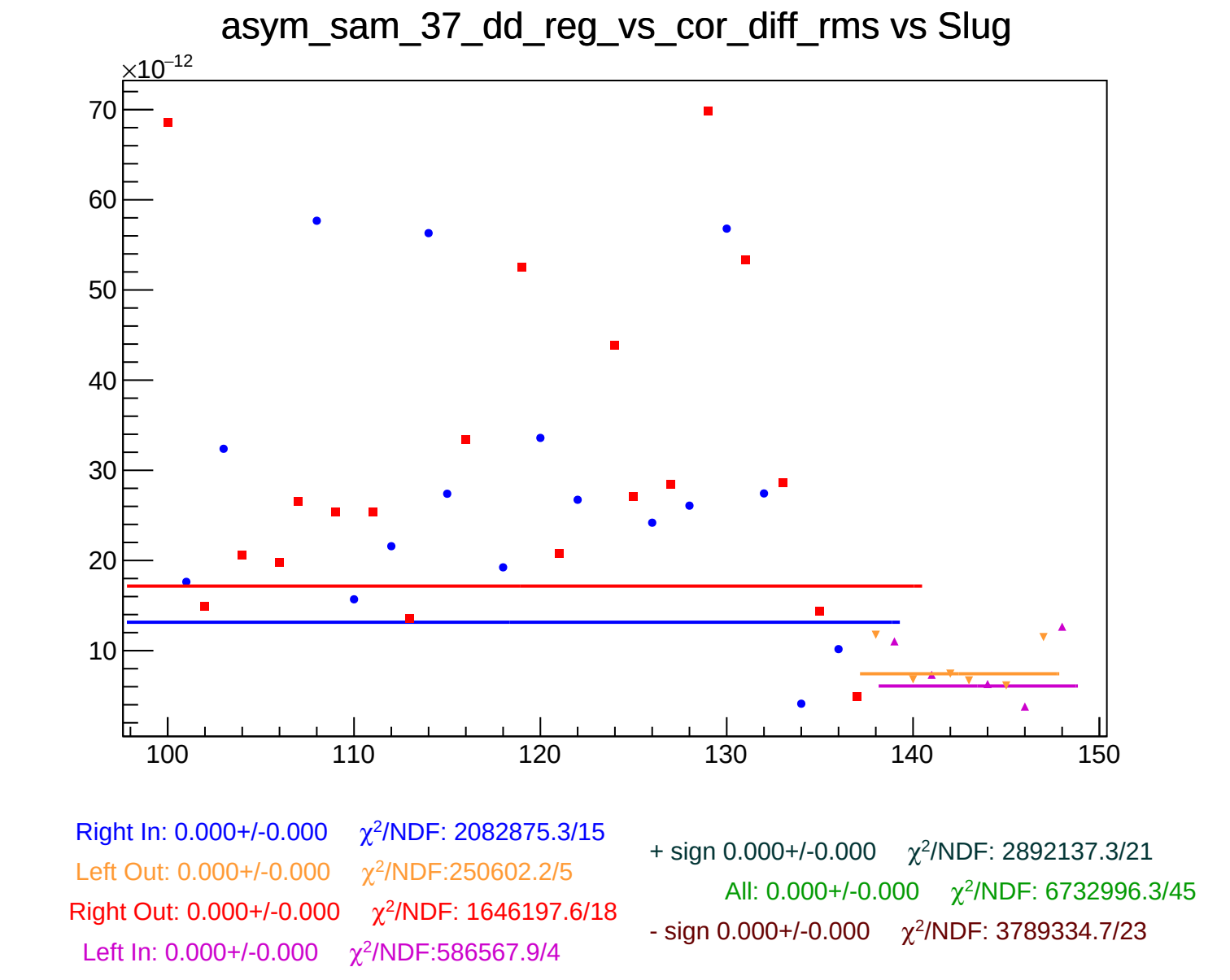
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

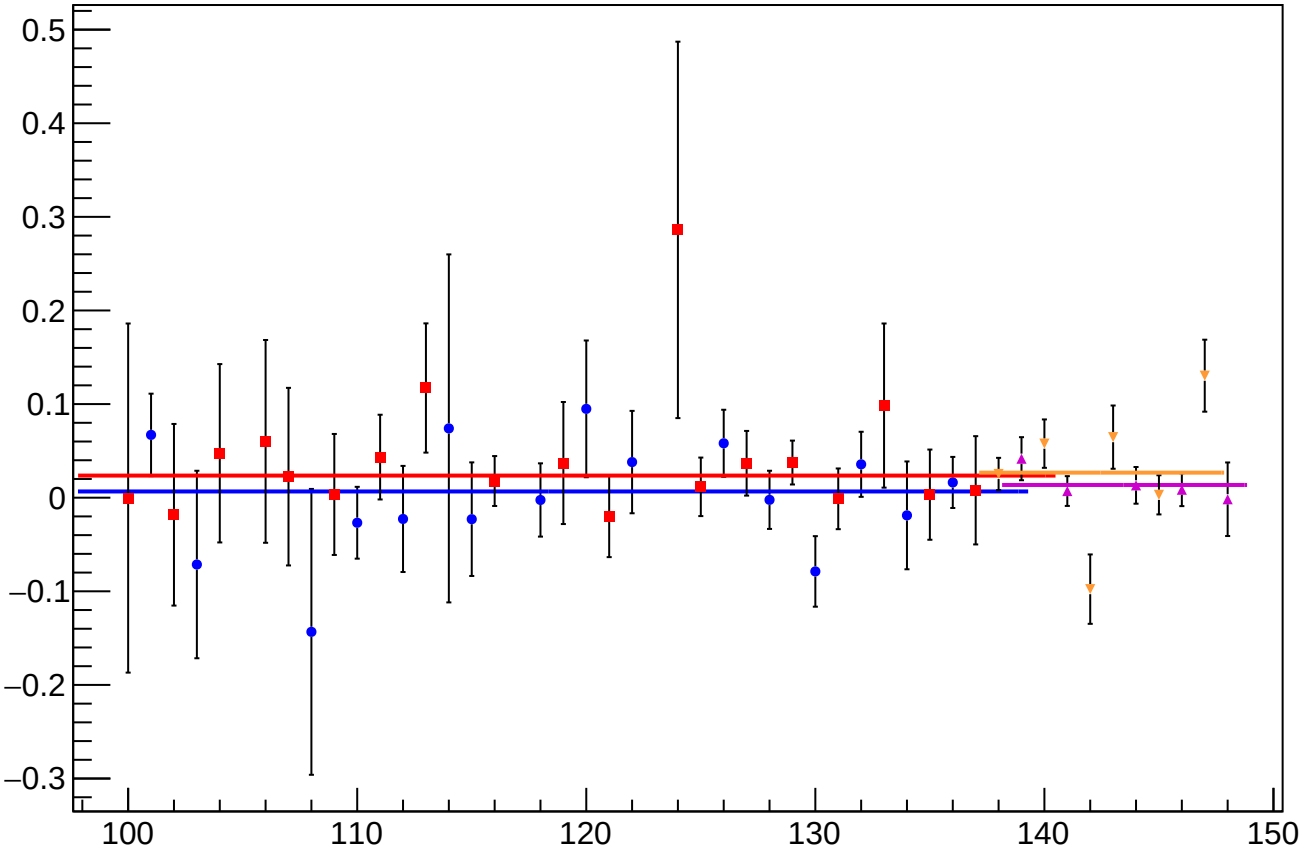
+ sign 0.000+/-0.000 χ^2/NDF: 23.2/21

All: 0.000+/-0.000 χ^2/NDF: 45.1/45

- sign 0.000+/-0.000 χ^2/NDF: 21.9/23


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:250602.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:586567.9/4
+ sign 0.000+/-0.000 χ²/NDF: 2892137.3/21
All: 0.000+/-0.000 χ²/NDF: 6732996.3/45
- sign 0.000+/-0.000 χ²/NDF: 3789334.7/23

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

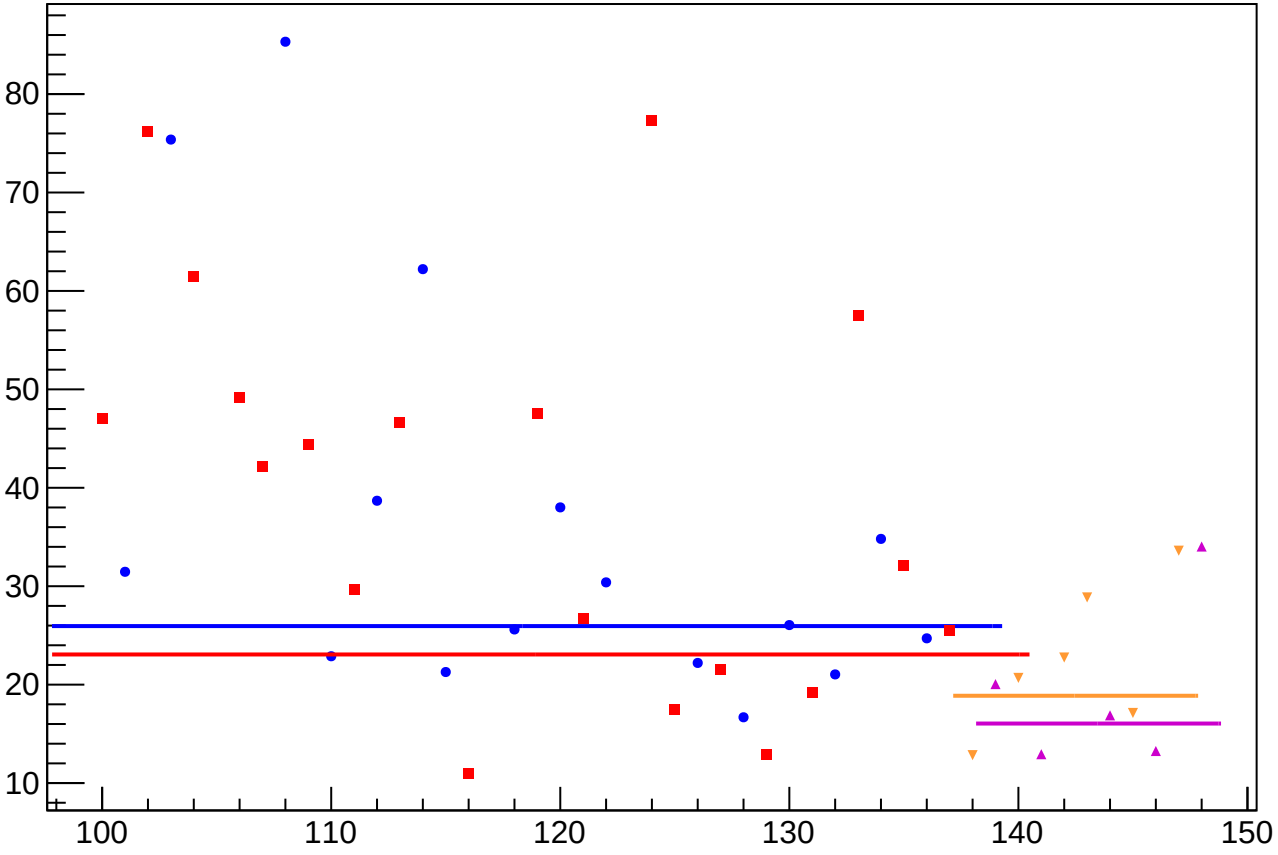
Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.2/45

- sign 0.018+/-0.007 χ^2/NDF: 9.9/23

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

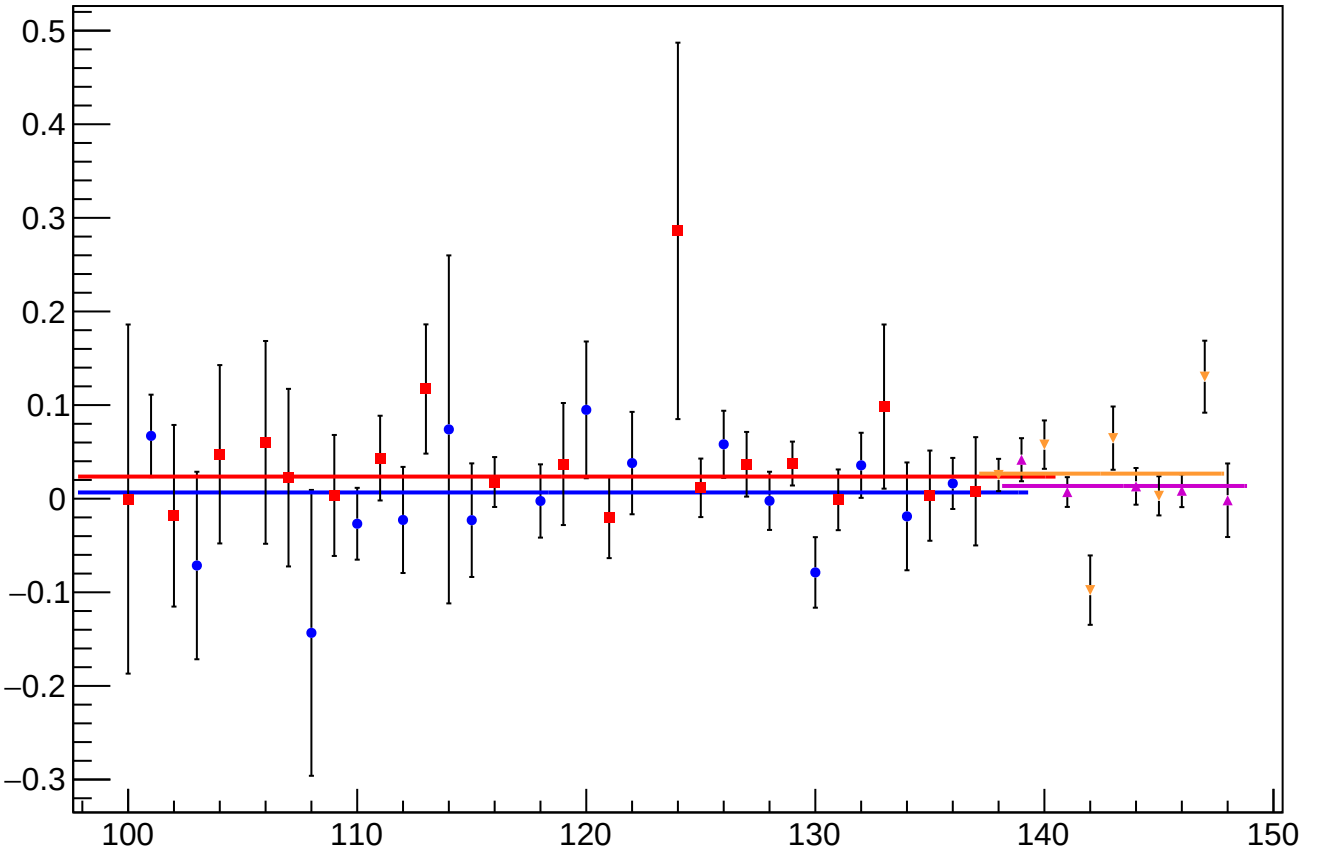
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

+ sign 22.146+/-0.005 χ^2/NDF: 2577953.3/21

All: 20.426+/-0.004 χ^2/NDF: 7253377.7/45

- sign 19.018+/-0.005 χ^2/NDF: 4486734.4/23



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

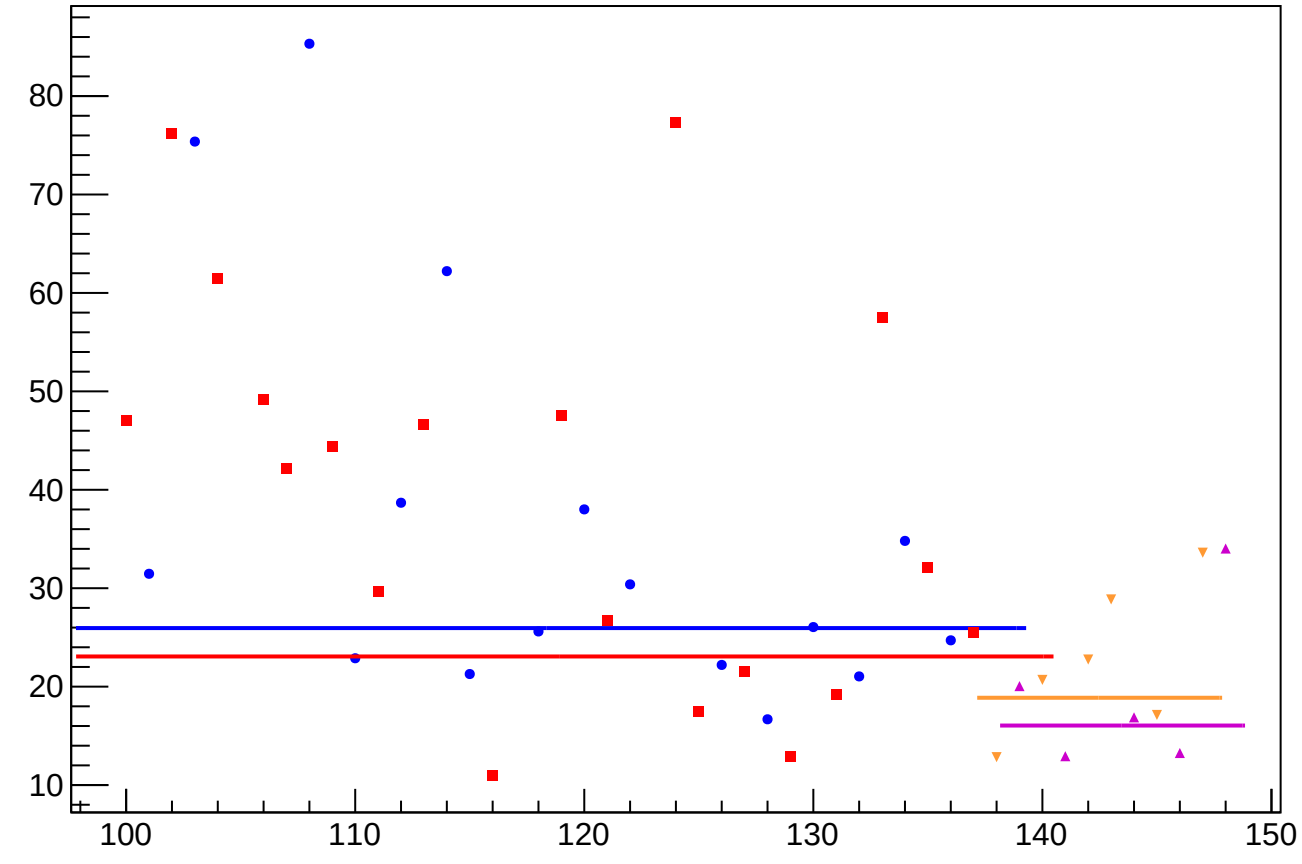
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.2/45

- sign 0.018+/-0.007 χ^2/NDF: 9.9/23



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 18.870+/-0.007 χ^2/NDF:759305.9/5

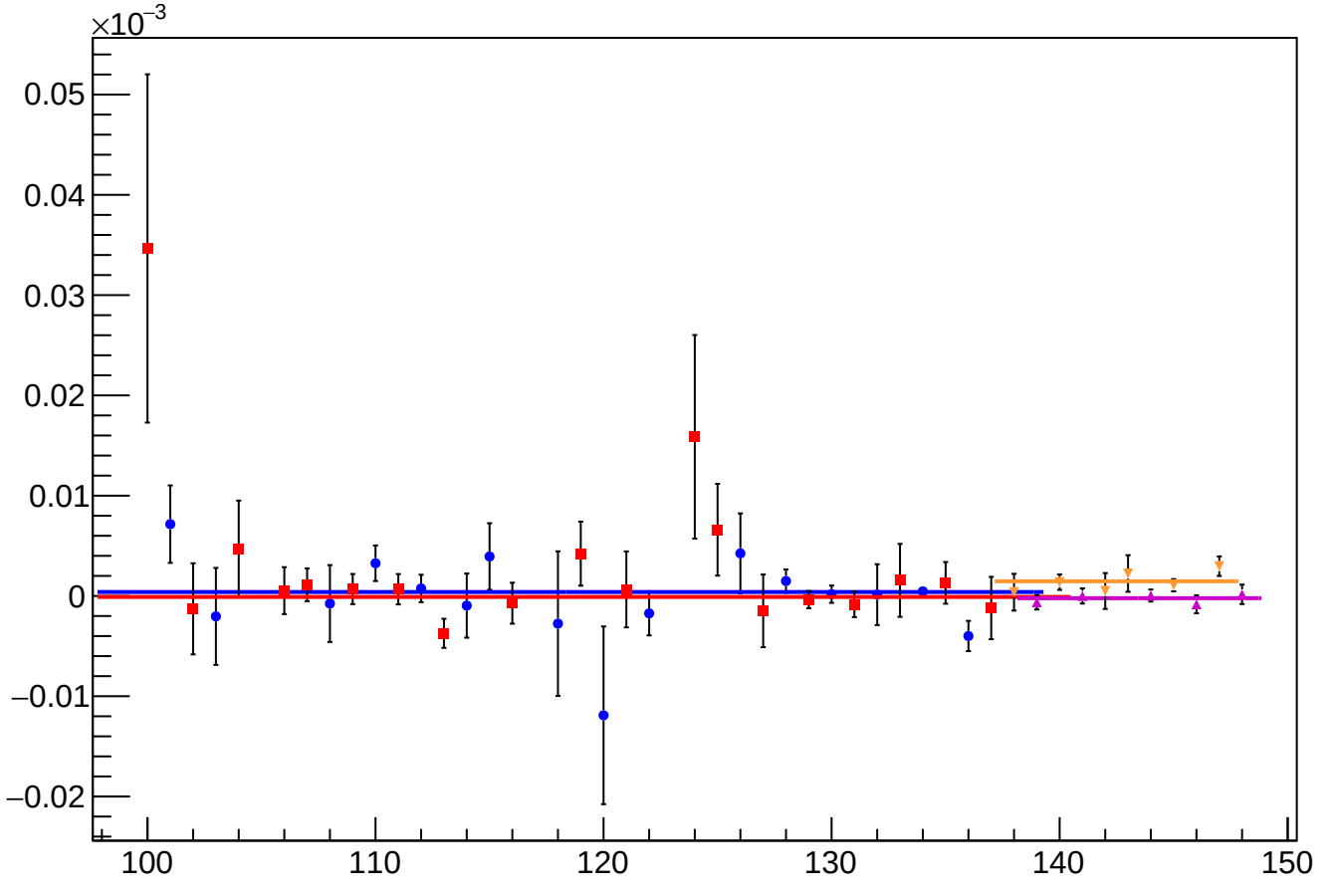
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

+ sign 22.146+/-0.005 χ^2/NDF: 2577953.3/21

All: 20.426+/-0.004 χ^2/NDF: 7253377.7/45

- sign 19.018+/-0.005 χ^2/NDF: 4486734.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

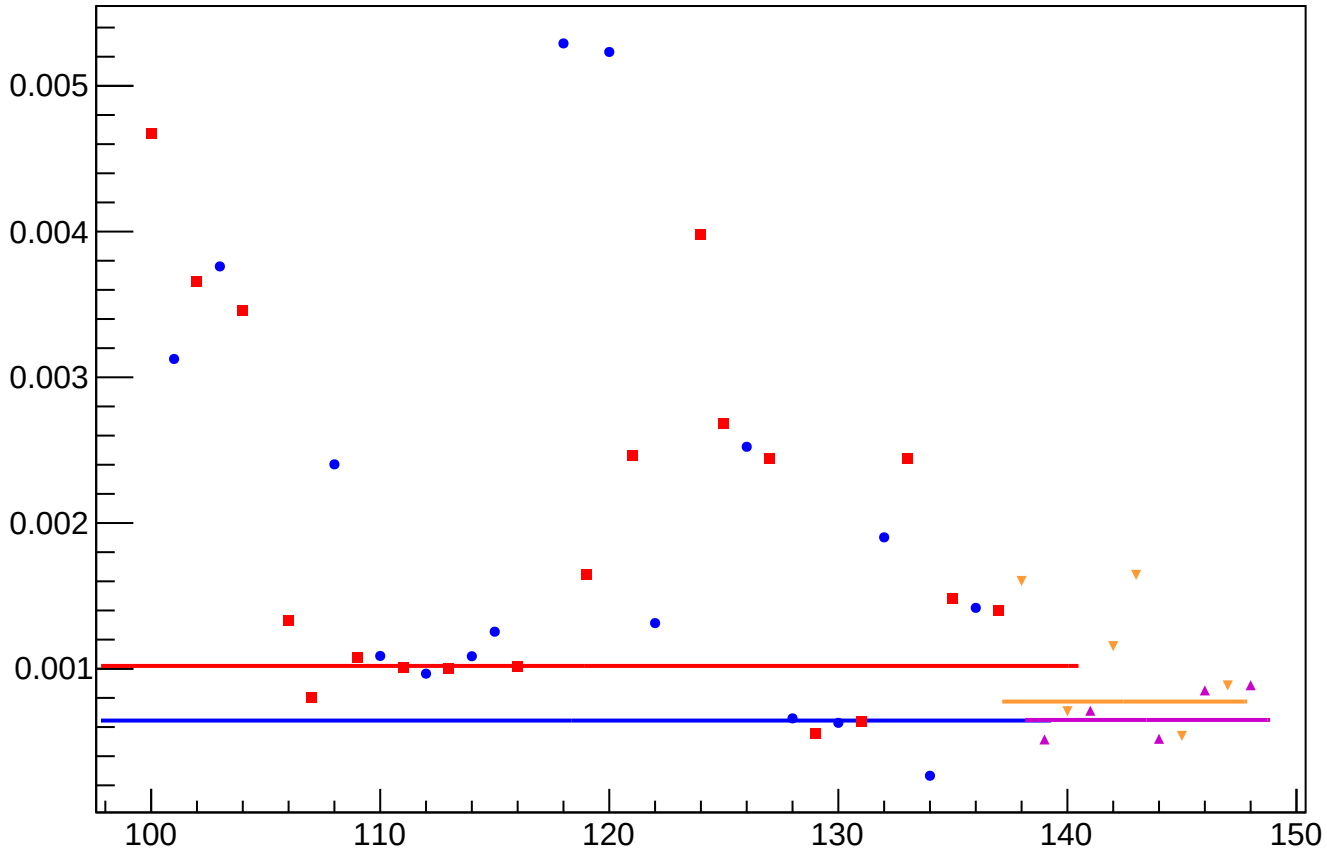
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/21

All: 0.000+/-0.000 χ^2/NDF: 57.9/45

- sign -0.000+/-0.000 χ^2/NDF: 21.7/23



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1289164.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

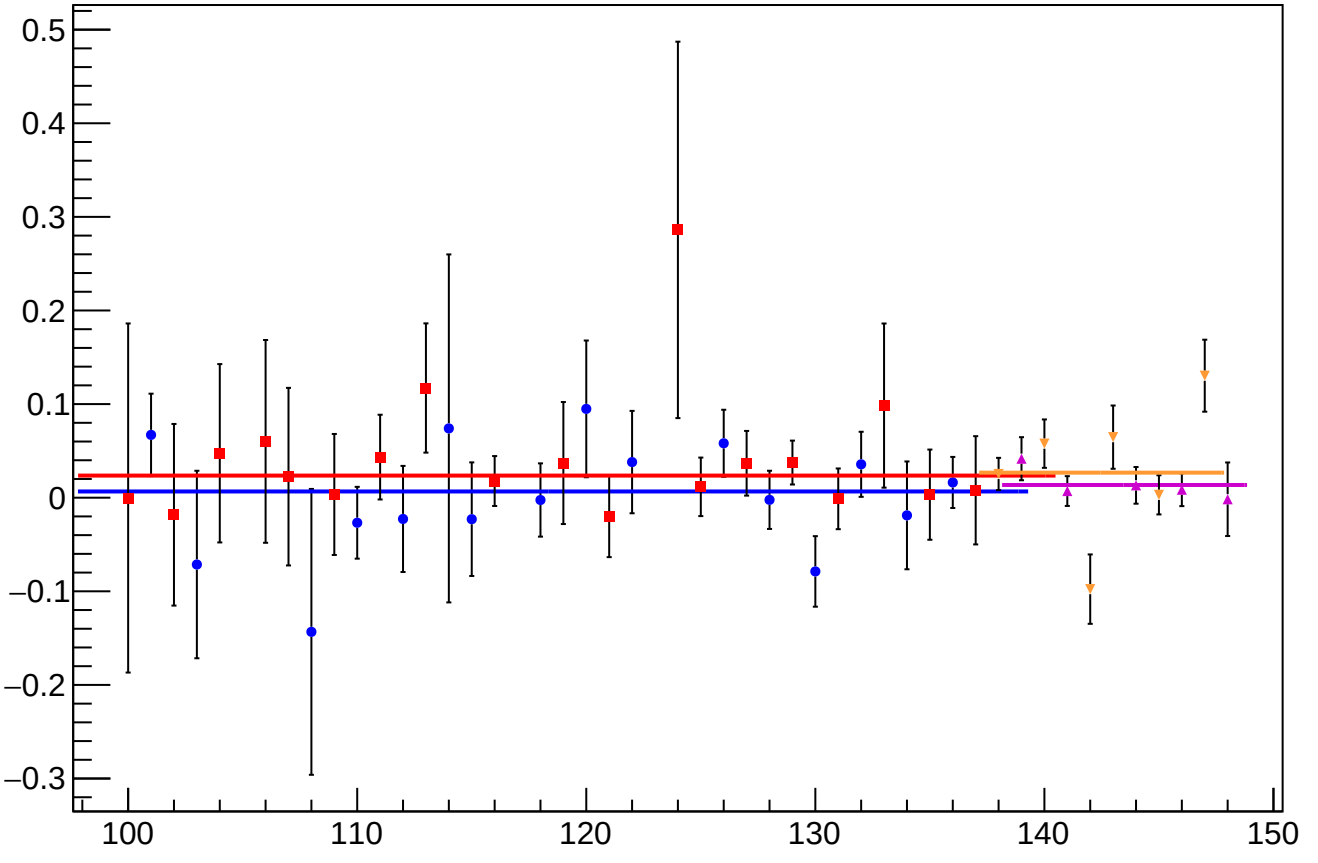
Left In: 0.001+/-0.000 χ^2/NDF:398043.1/4

+ sign 0.001+/-0.000 χ^2/NDF: 7988729.5/21

All: 0.001+/-0.000 χ^2/NDF: 13014659.4/45

- sign 0.001+/-0.000 χ^2/NDF: 4927291.5/23

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

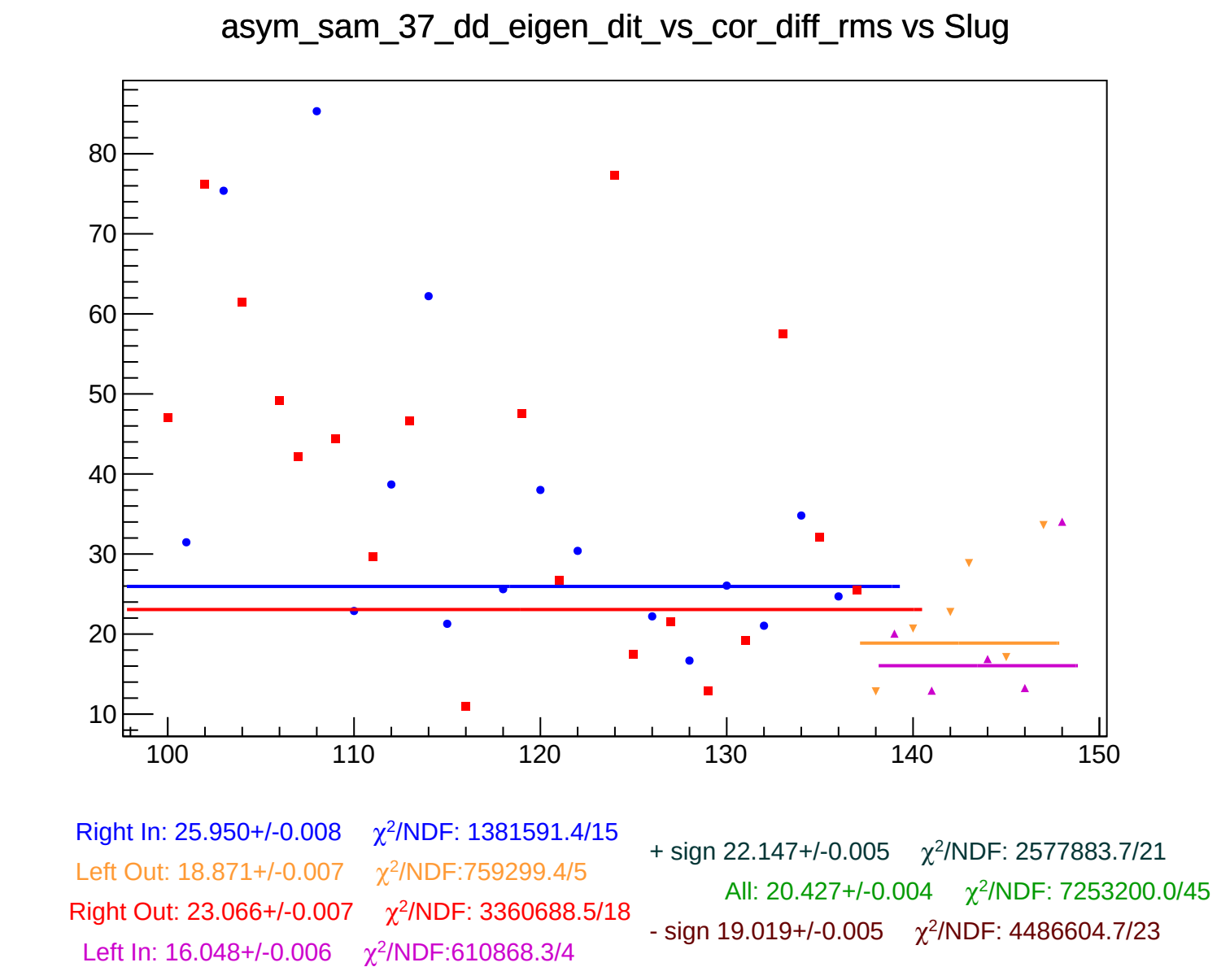
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

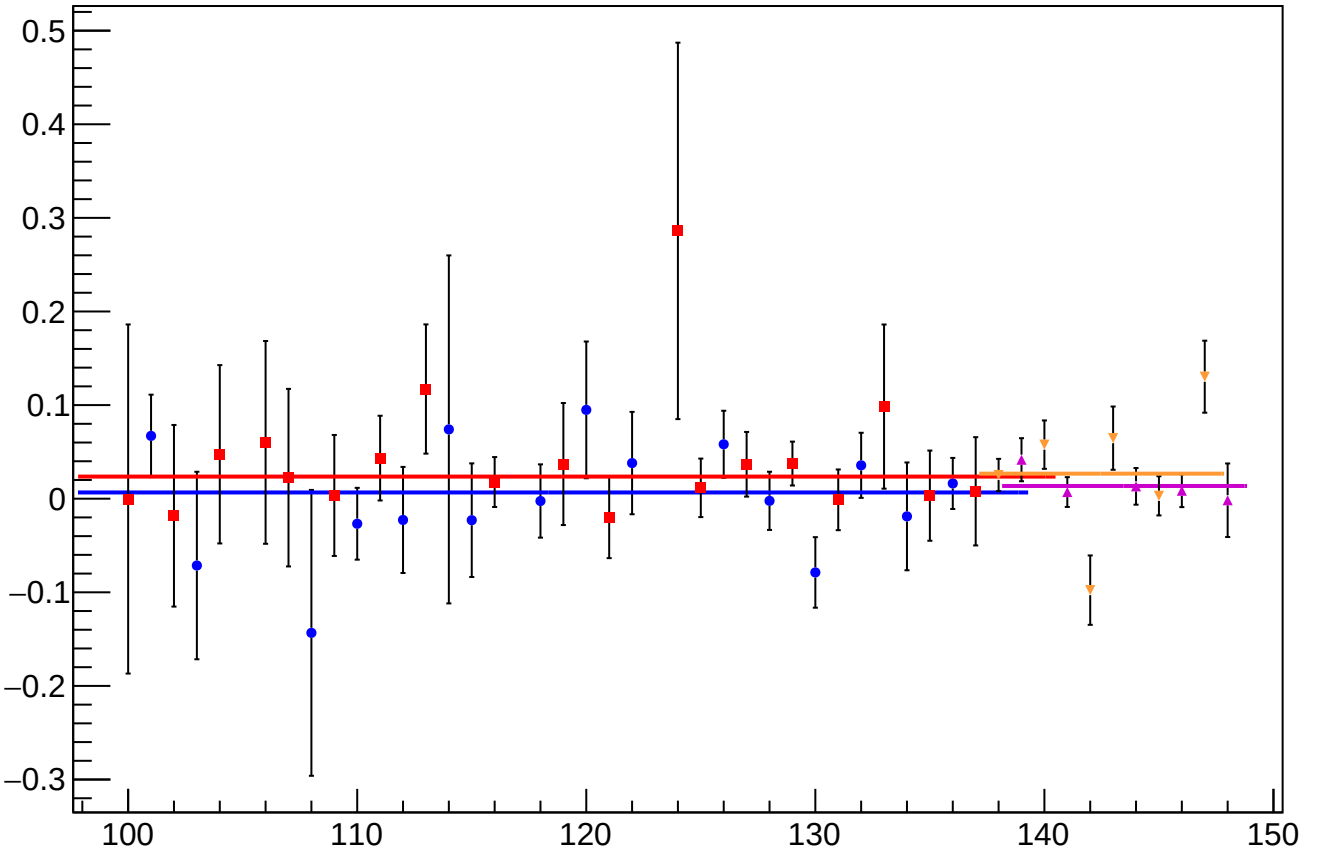
Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.2/45

- sign 0.018+/-0.007 χ^2/NDF: 9.9/23


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 18.871+/-0.007 χ²/NDF:759299.4/5
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 16.048+/-0.006 χ²/NDF:610868.3/4
+ sign 22.147+/-0.005 χ²/NDF: 2577883.7/21
All: 20.427+/-0.004 χ²/NDF: 7253200.0/45
- sign 19.019+/-0.005 χ²/NDF: 4486604.7/23



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

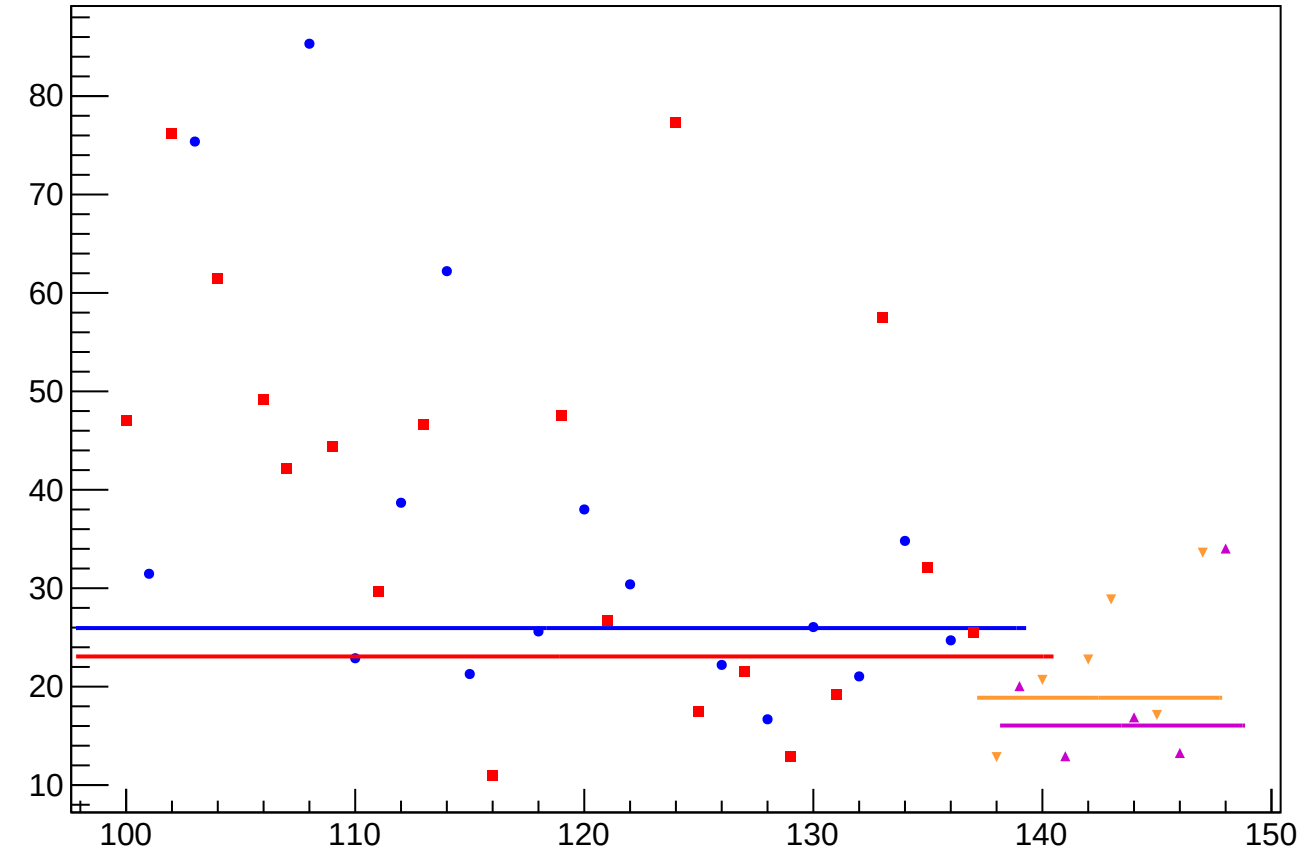
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.017+/-0.008 χ^2/NDF: 39.3/21

All: 0.018+/-0.005 χ^2/NDF: 49.2/45

- sign 0.018+/-0.007 χ^2/NDF: 9.9/23



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

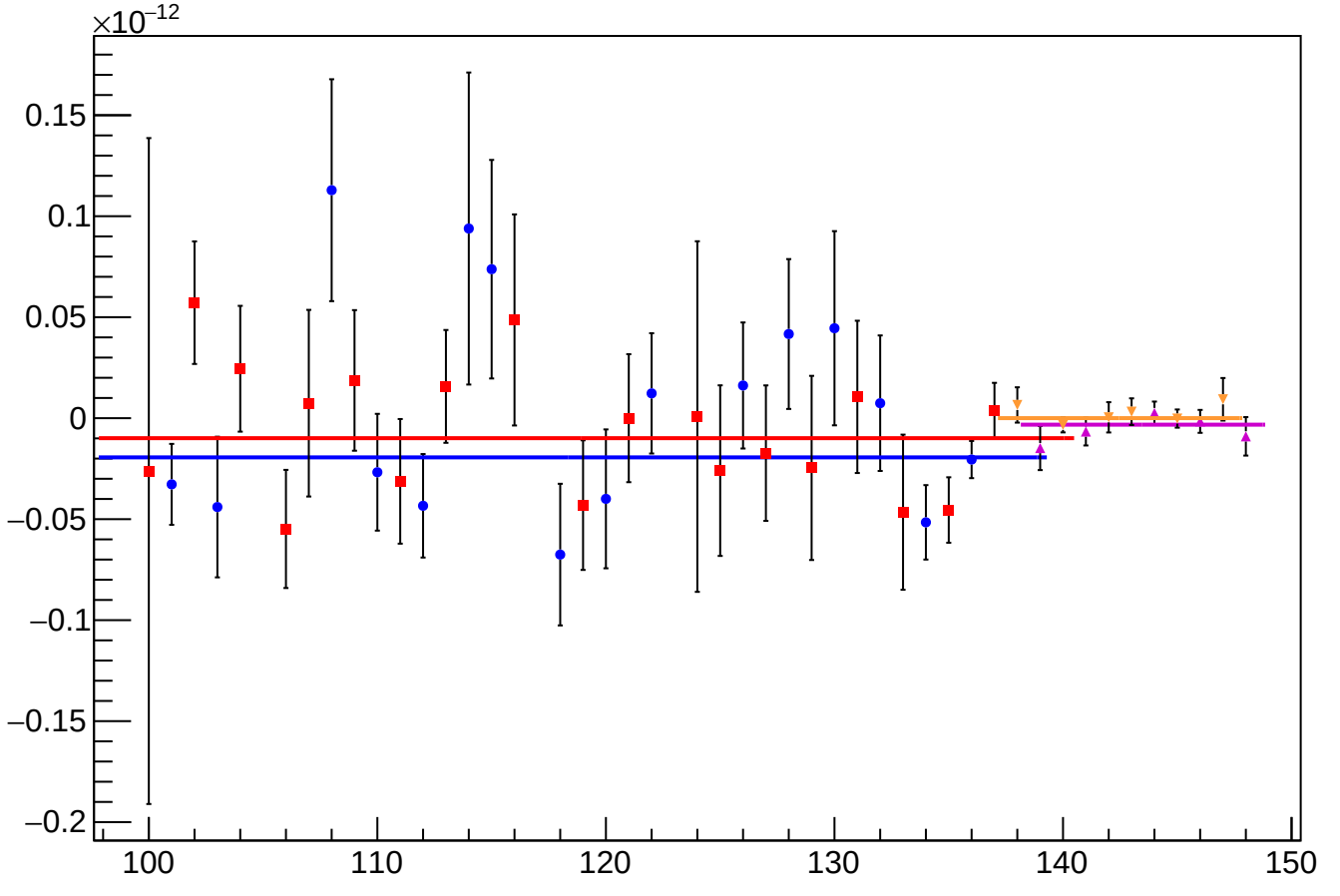
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

+ sign 22.147+/-0.005 χ^2/NDF: 2577883.7/21

All: 20.427+/-0.004 χ^2/NDF: 7253200.0/45

- sign 19.019+/-0.005 χ^2/NDF: 4486604.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

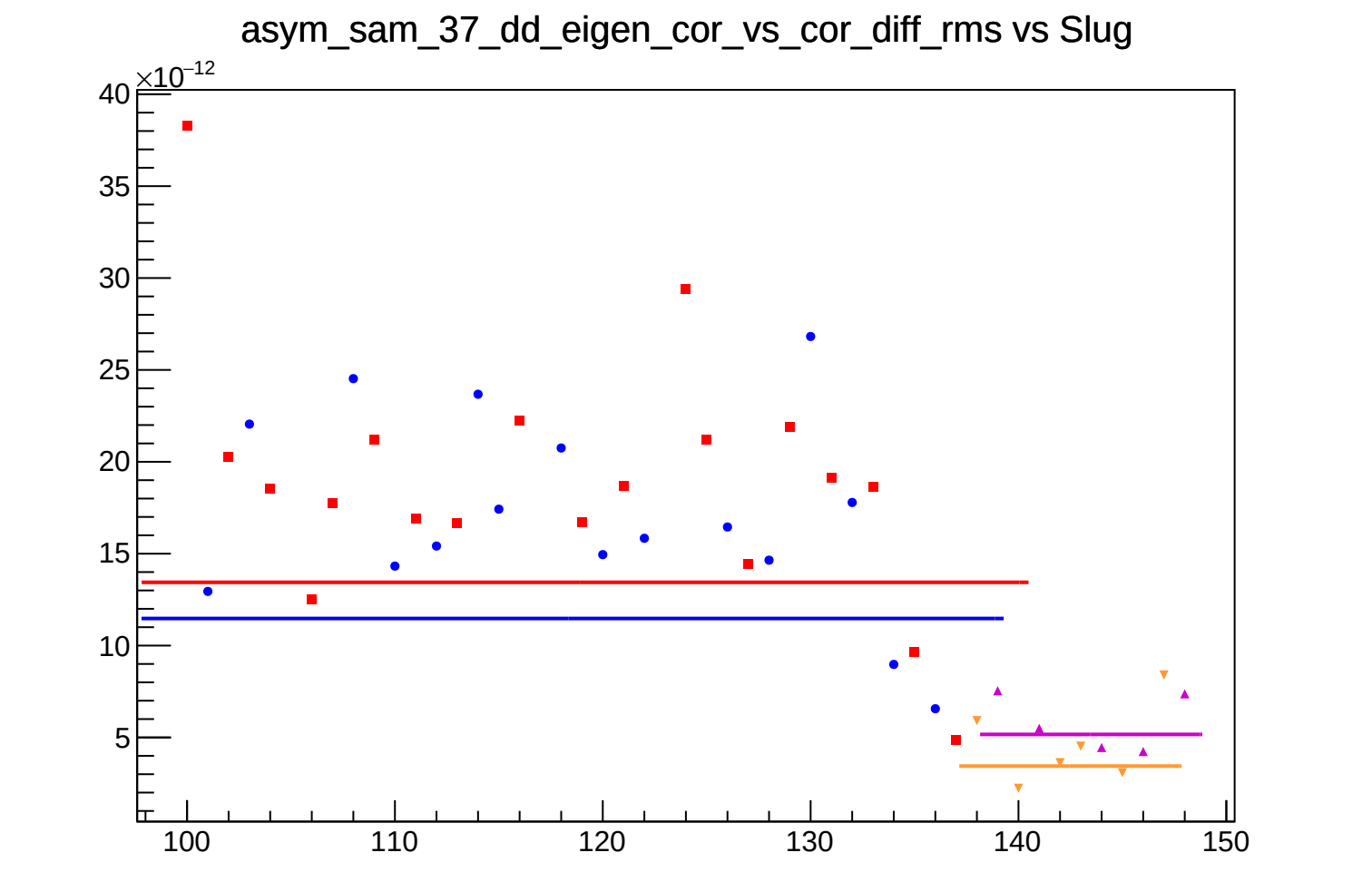
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/21

All: -0.000+/-0.000 χ^2/NDF: 61.3/45

- sign -0.000+/-0.000 χ^2/NDF: 24.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:880751.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

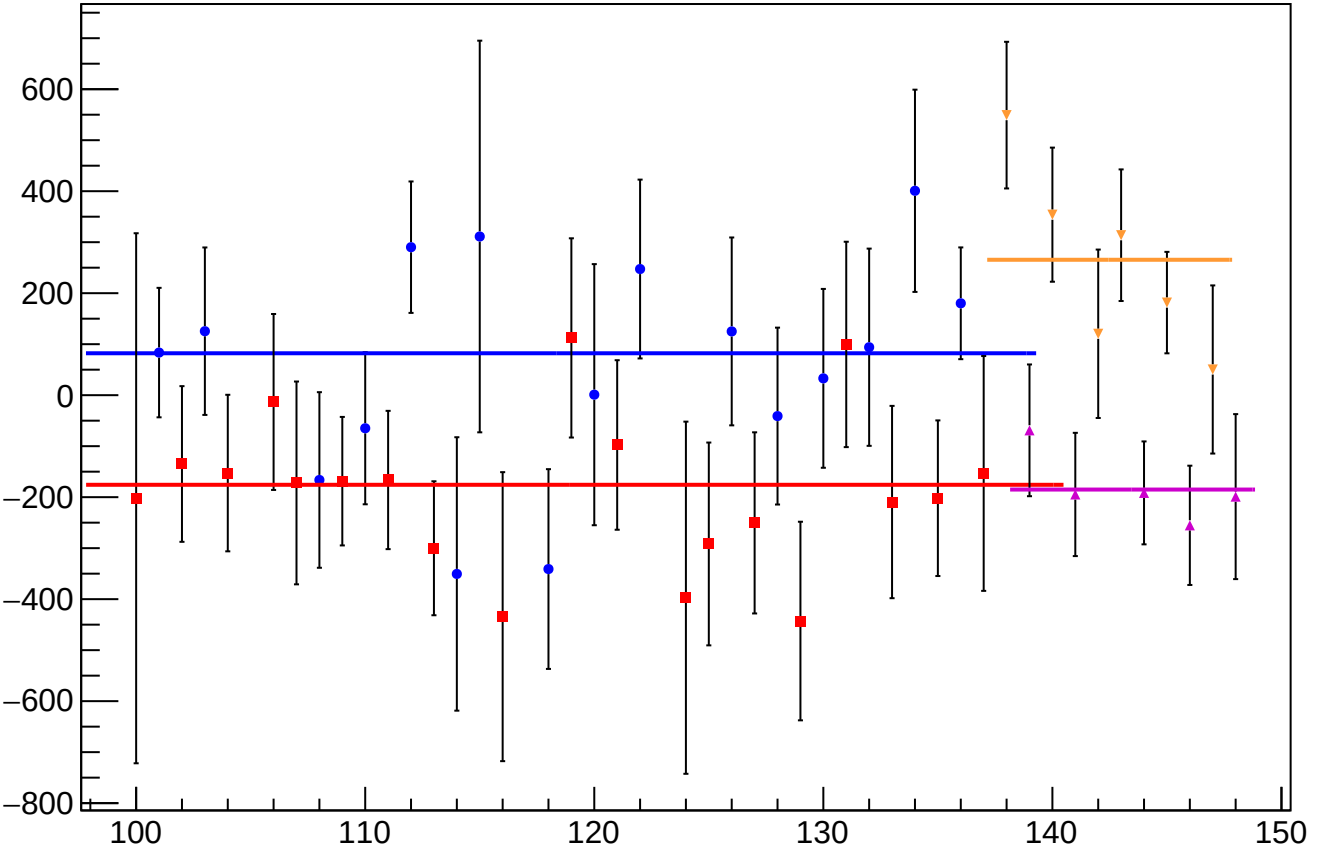
Left In: 0.000+/-0.000 χ^2/NDF:292498.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 5562450.8/21

All: 0.000+/-0.000 χ^2/NDF: 10696276.0/45

- sign 0.000+/-0.000 χ^2/NDF: 4427499.4/23

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

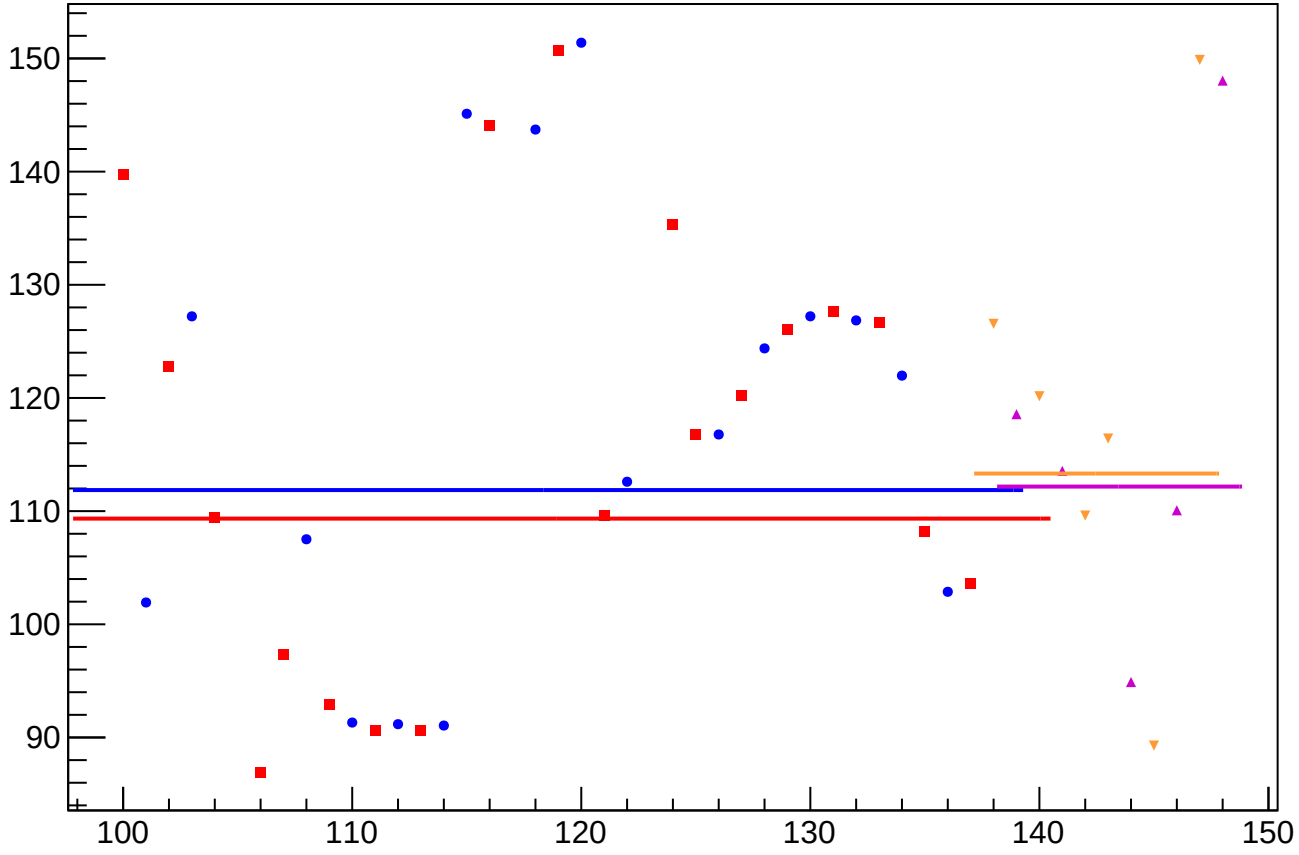
Left In: -185.062+/-54.400 χ^2/NDF:1.2/4

+ sign 151.300+/-33.257 χ^2/NDF: 33.2/21

All: -17.315+/-23.271 χ^2/NDF: 94.6/45

- sign -179.078+/-32.575 χ^2/NDF: 11.1/23

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

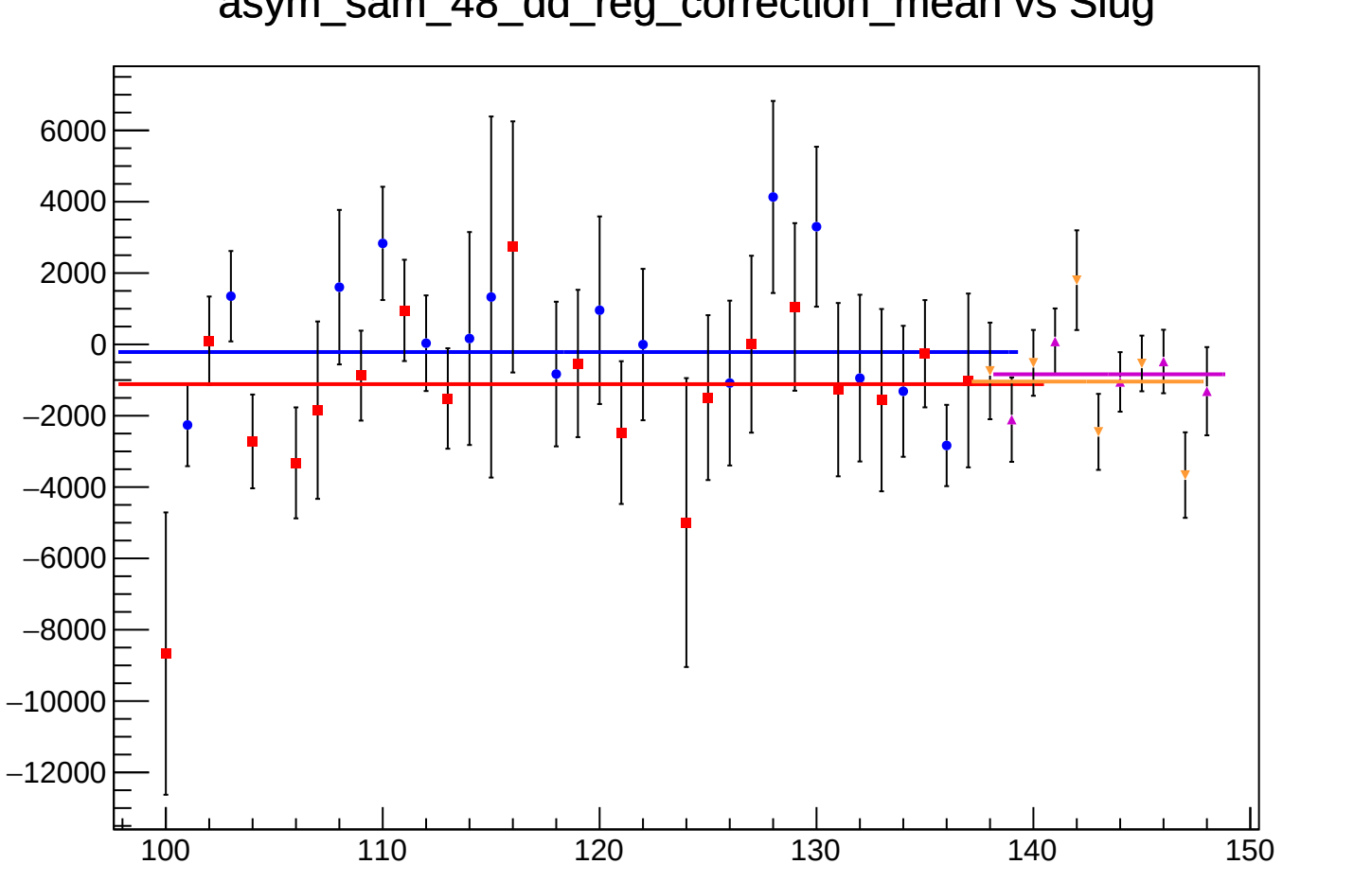
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 112.412+/-0.024 χ^2/NDF: 546525.7/21

All: 111.362+/-0.016 χ^2/NDF: 1083844.7/45

- sign 110.355+/-0.023 χ^2/NDF: 533413.5/23



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

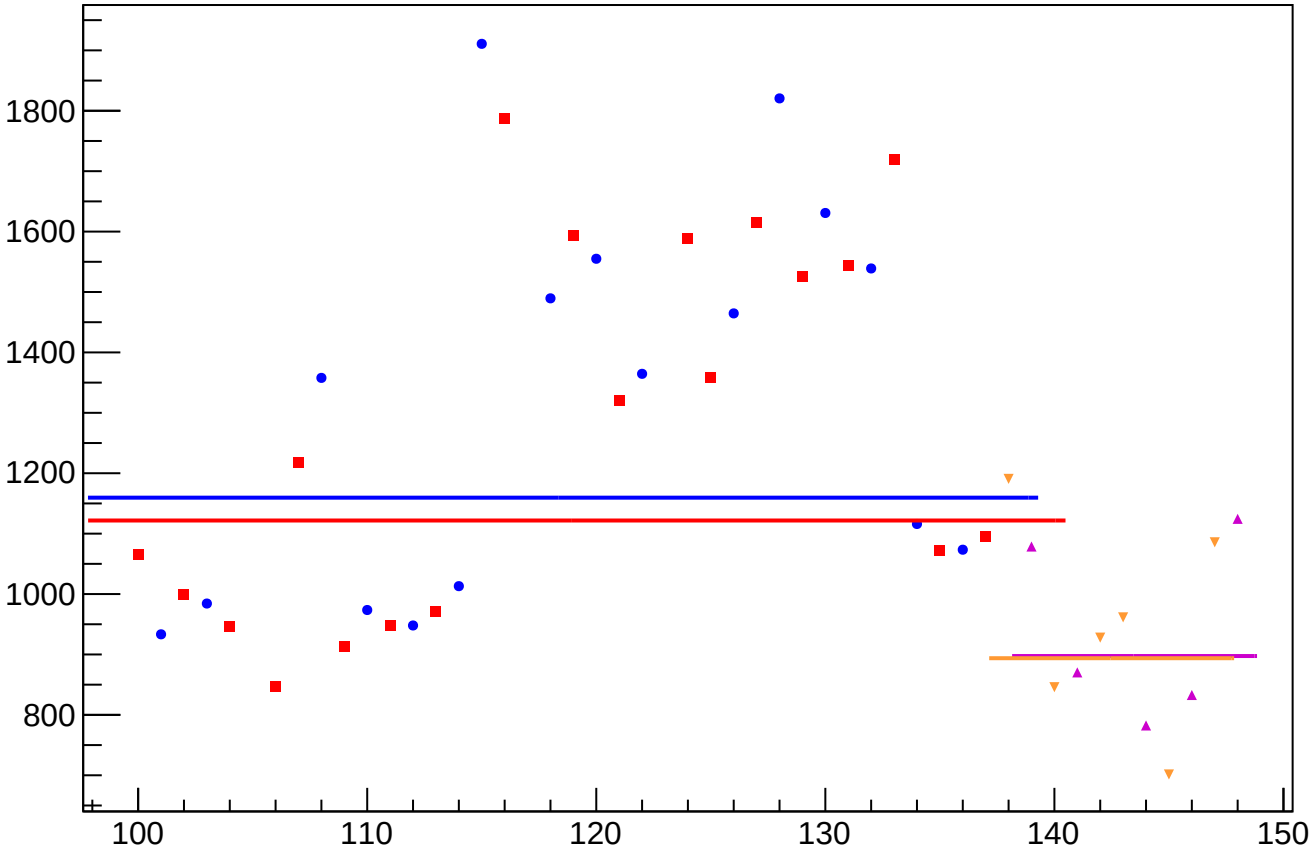
Left In: -838.193+/-437.236 χ^2/NDF:2.5/4

+ sign -642.958+/-308.278 χ^2/NDF: 33.7/21

All: -814.329+/-216.467 χ^2/NDF: 51.6/45

- sign -981.008+/-304.029 χ^2/NDF: 17.2/23

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

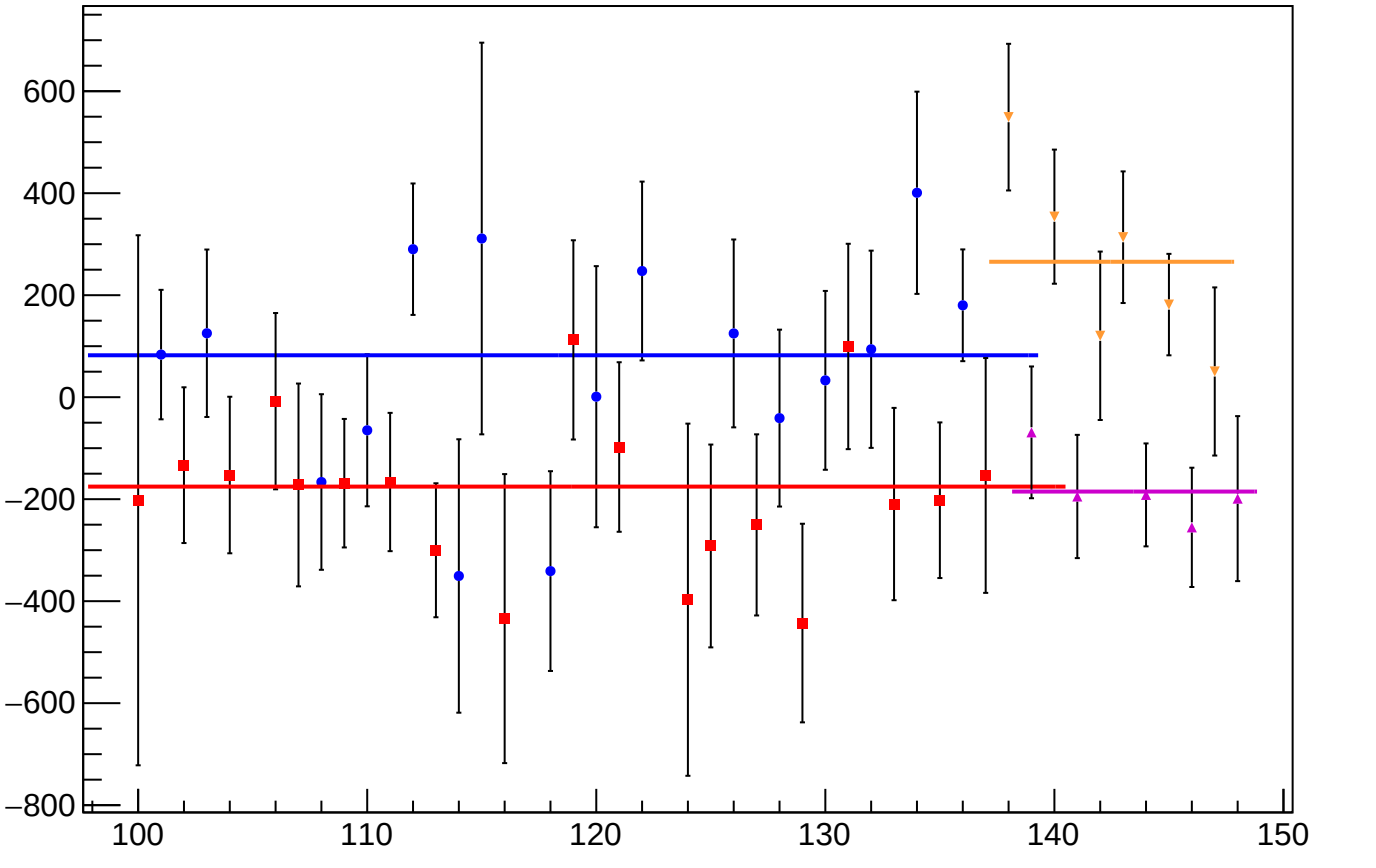
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 897.405+/-0.309 χ^2/NDF:164518.9/4

+ sign 1021.938+/-0.218 χ^2/NDF: 1338415.2/21

All: 1017.549+/-0.153 χ^2/NDF: 2557968.7/45

- sign 1013.280+/-0.215 χ^2/NDF: 1218753.6/23



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

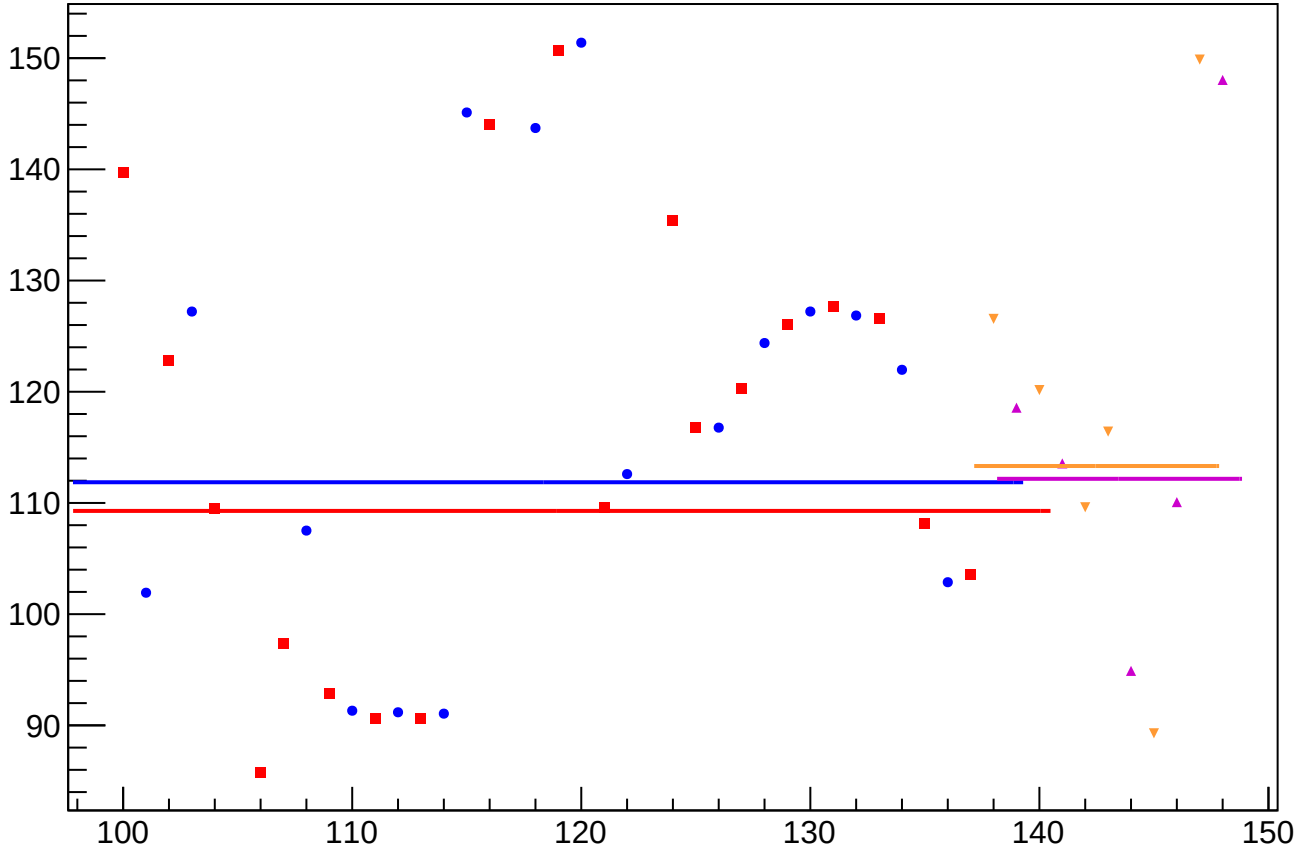
Left In: -185.072+/-54.400 χ^2/NDF:1.2/4

+ sign 151.299+/-33.257 χ^2/NDF: 33.2/21

All: -17.175+/-23.272 χ^2/NDF: 94.6/45

- sign -178.829+/-32.577 χ^2/NDF: 11.1/23

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

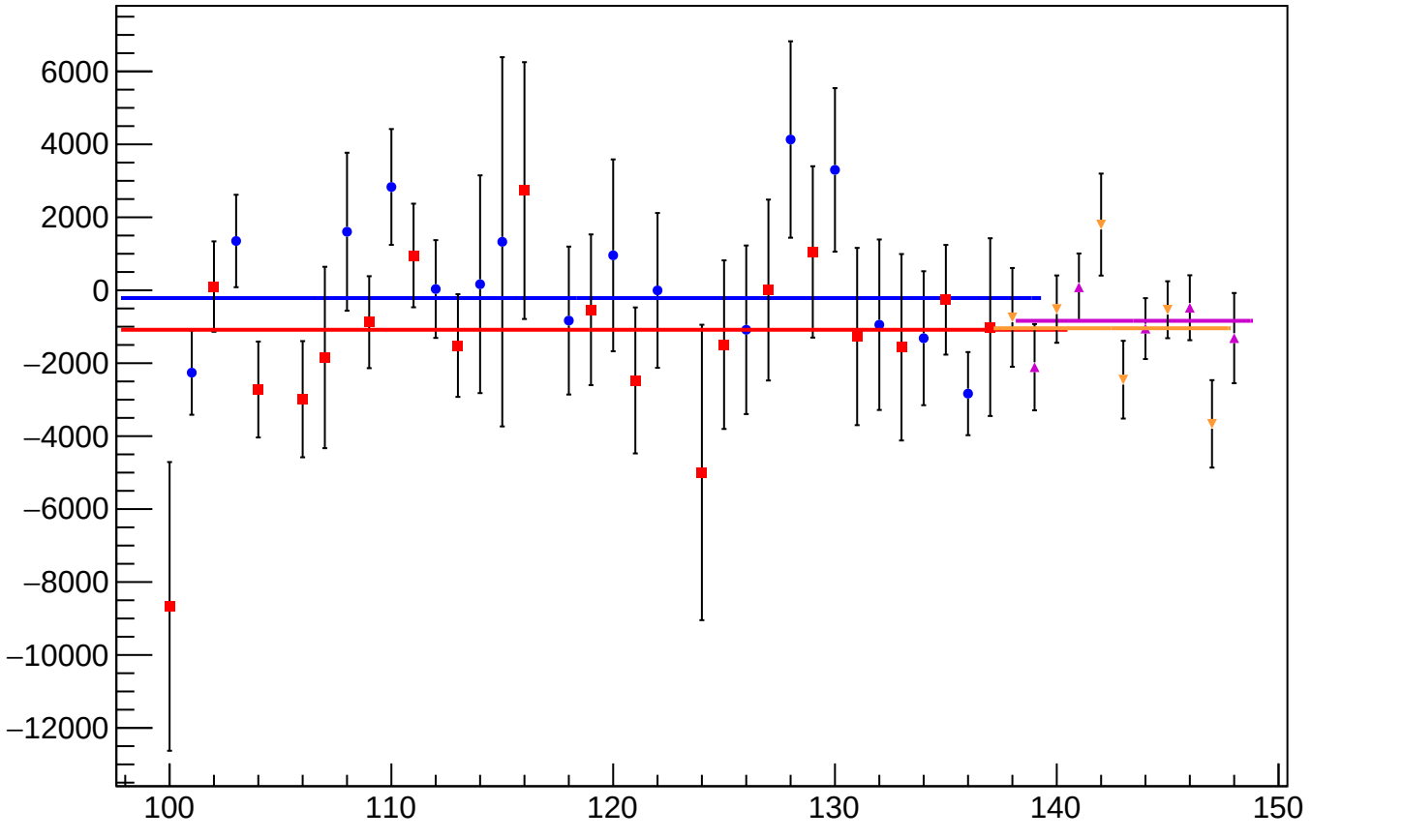
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 112.412+/-0.024 χ^2/NDF: 546526.9/21

All: 111.344+/-0.016 χ^2/NDF: 1087613.2/45

- sign 110.319+/-0.023 χ^2/NDF: 537044.0/23



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

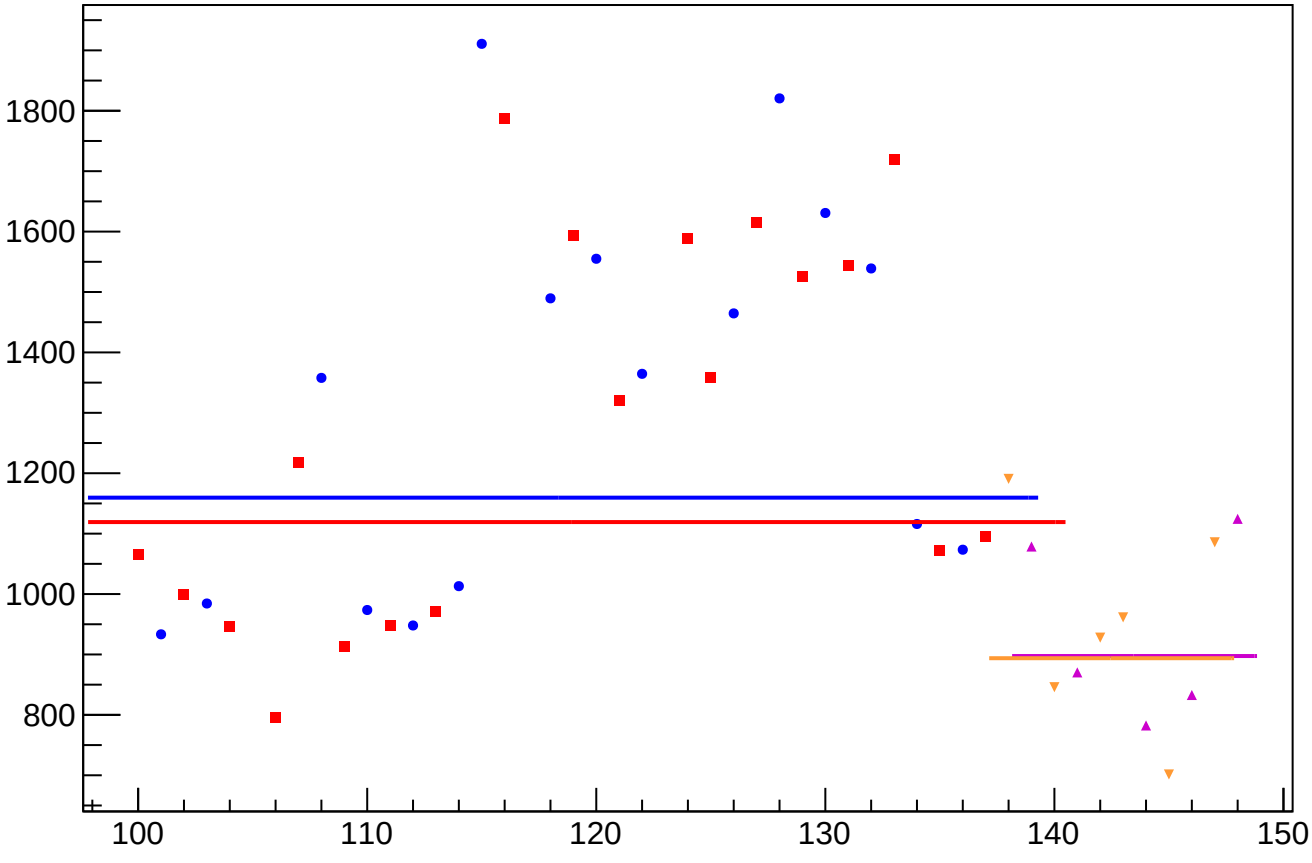
Left In: -838.201+/-437.236 χ^2/NDF:2.5/4

+ sign -642.993+/-308.278 χ^2/NDF: 33.7/21

All: -806.043+/-216.566 χ^2/NDF: 50.8/45

- sign -964.913+/-304.302 χ^2/NDF: 16.6/23

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

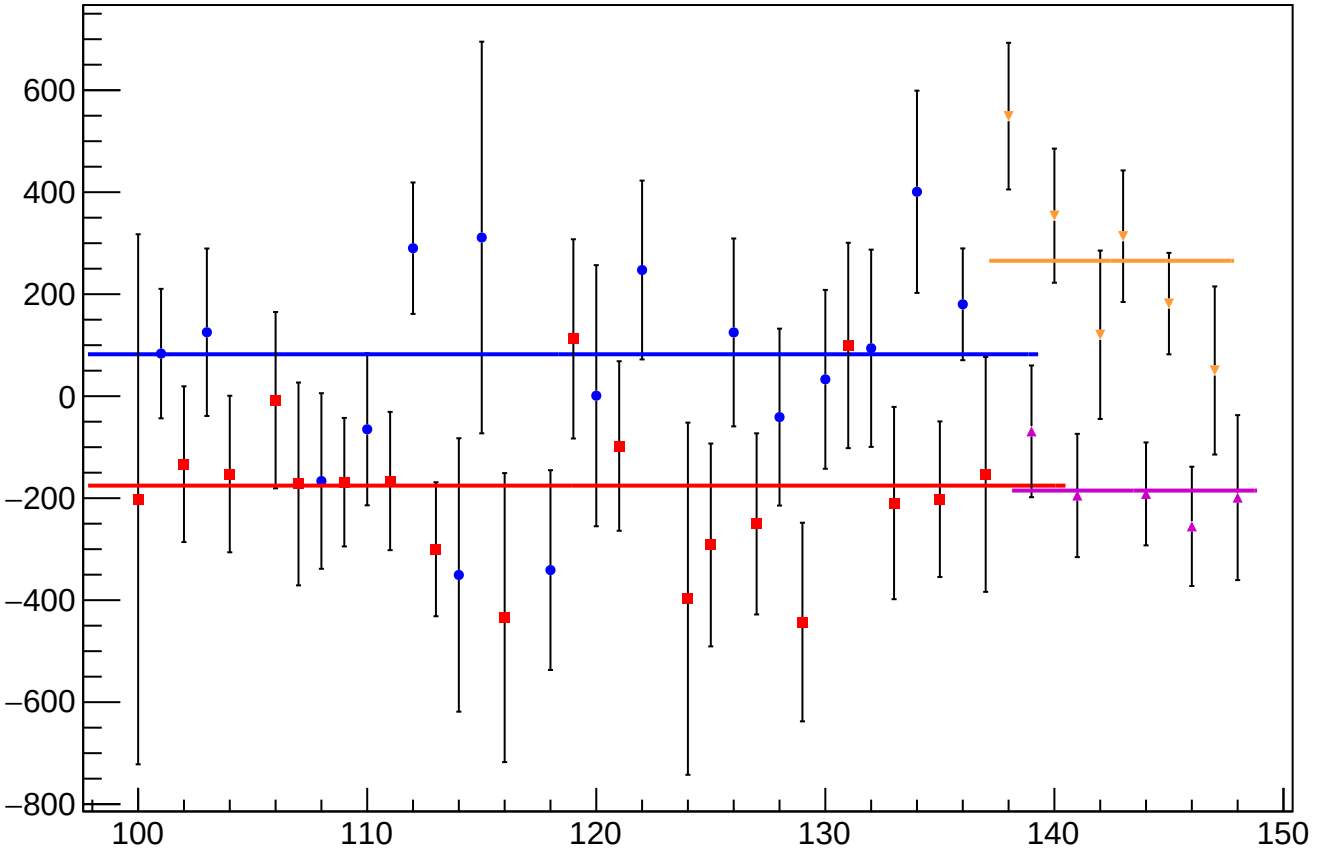
Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

+ sign 1021.942+/-0.218 χ^2/NDF: 1338413.1/21

All: 1016.778+/-0.153 χ^2/NDF: 2572448.1/45

- sign 1011.747+/-0.215 χ^2/NDF: 1232927.1/23

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

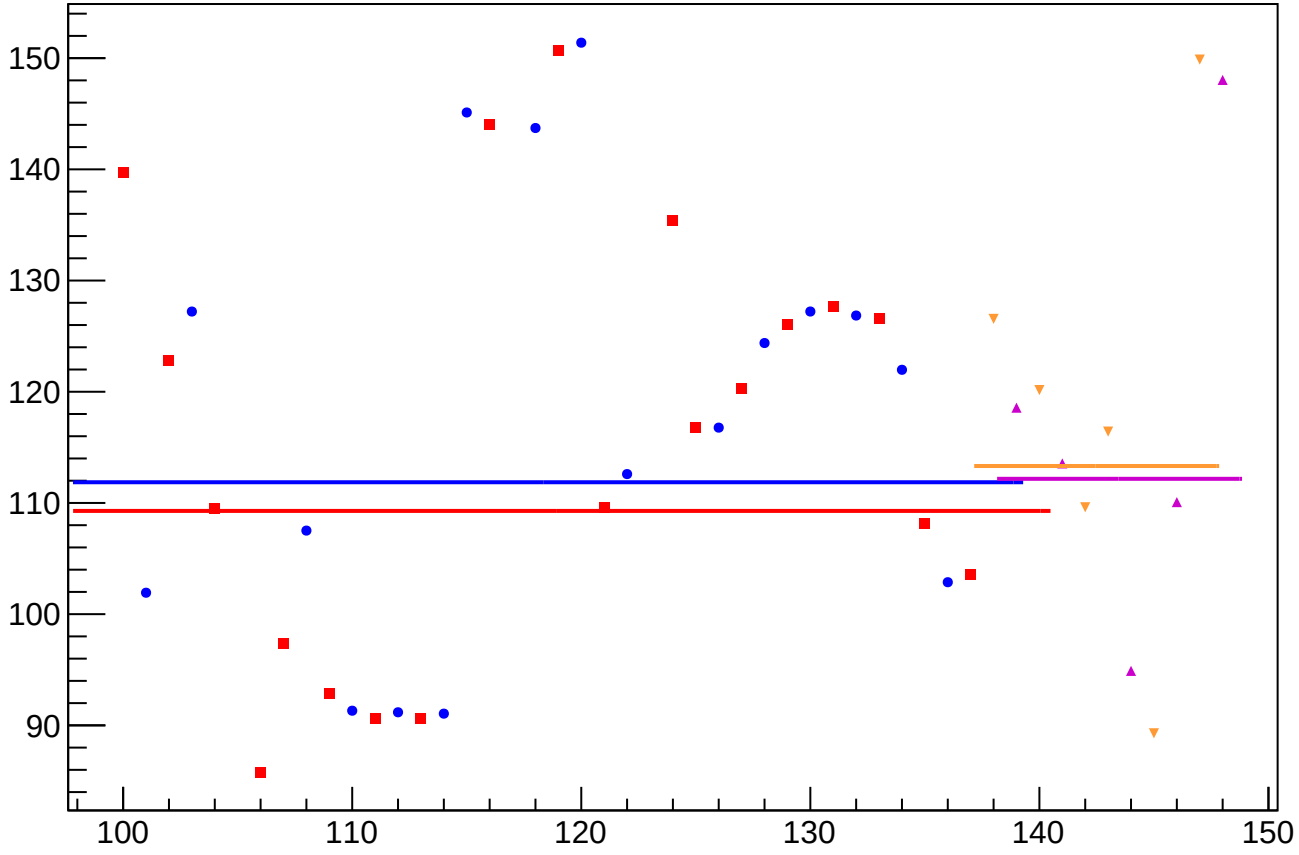
Left In: -185.072+/-54.400 χ^2/NDF:1.2/4

+ sign 151.299+/-33.257 χ^2/NDF: 33.2/21

All: -17.175+/-23.272 χ^2/NDF: 94.6/45

- sign -178.829+/-32.577 χ^2/NDF: 11.1/23

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

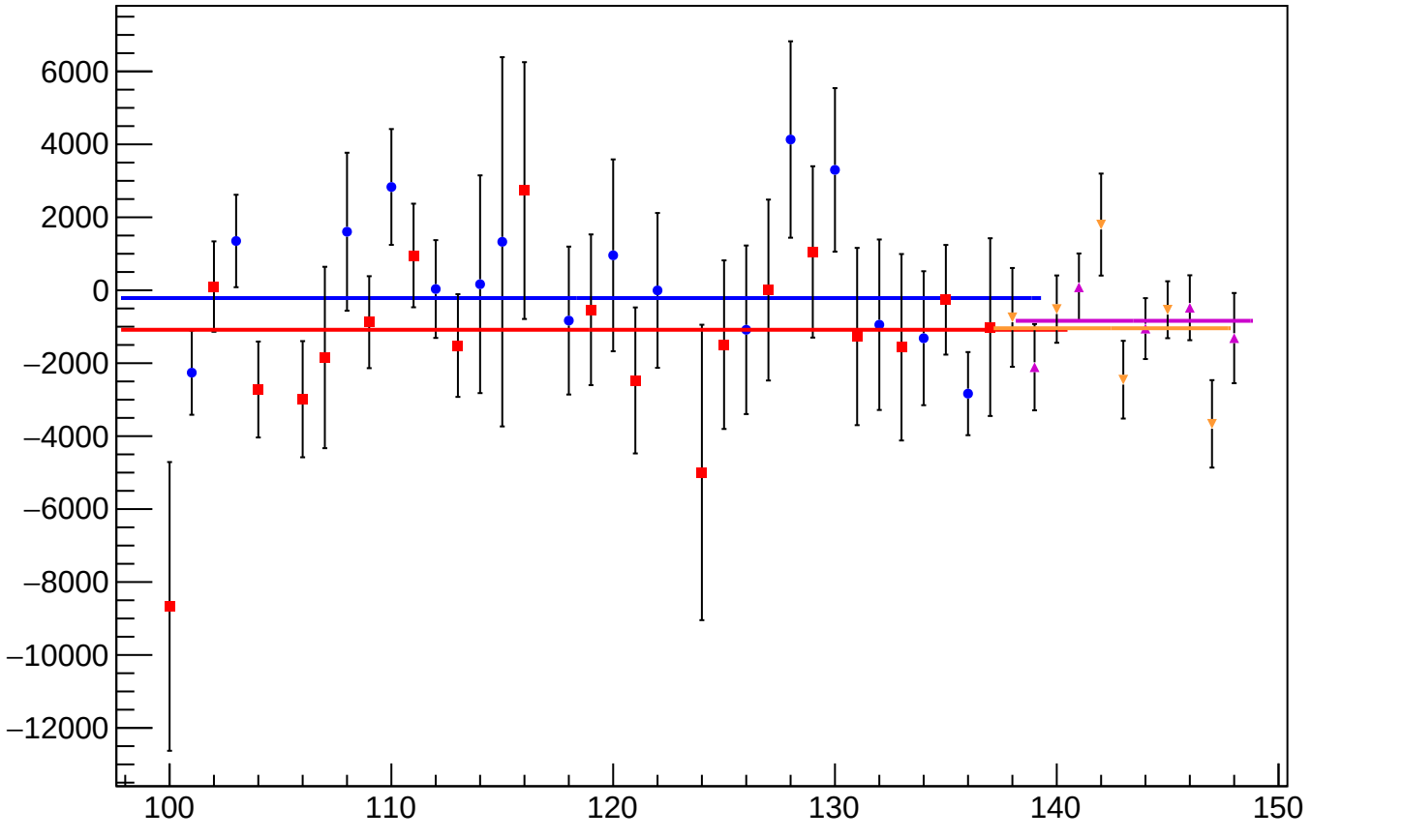
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 112.412+/-0.024 χ^2/NDF: 546526.9/21

All: 111.344+/-0.016 χ^2/NDF: 1087613.2/45

- sign 110.319+/-0.023 χ^2/NDF: 537044.0/23



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

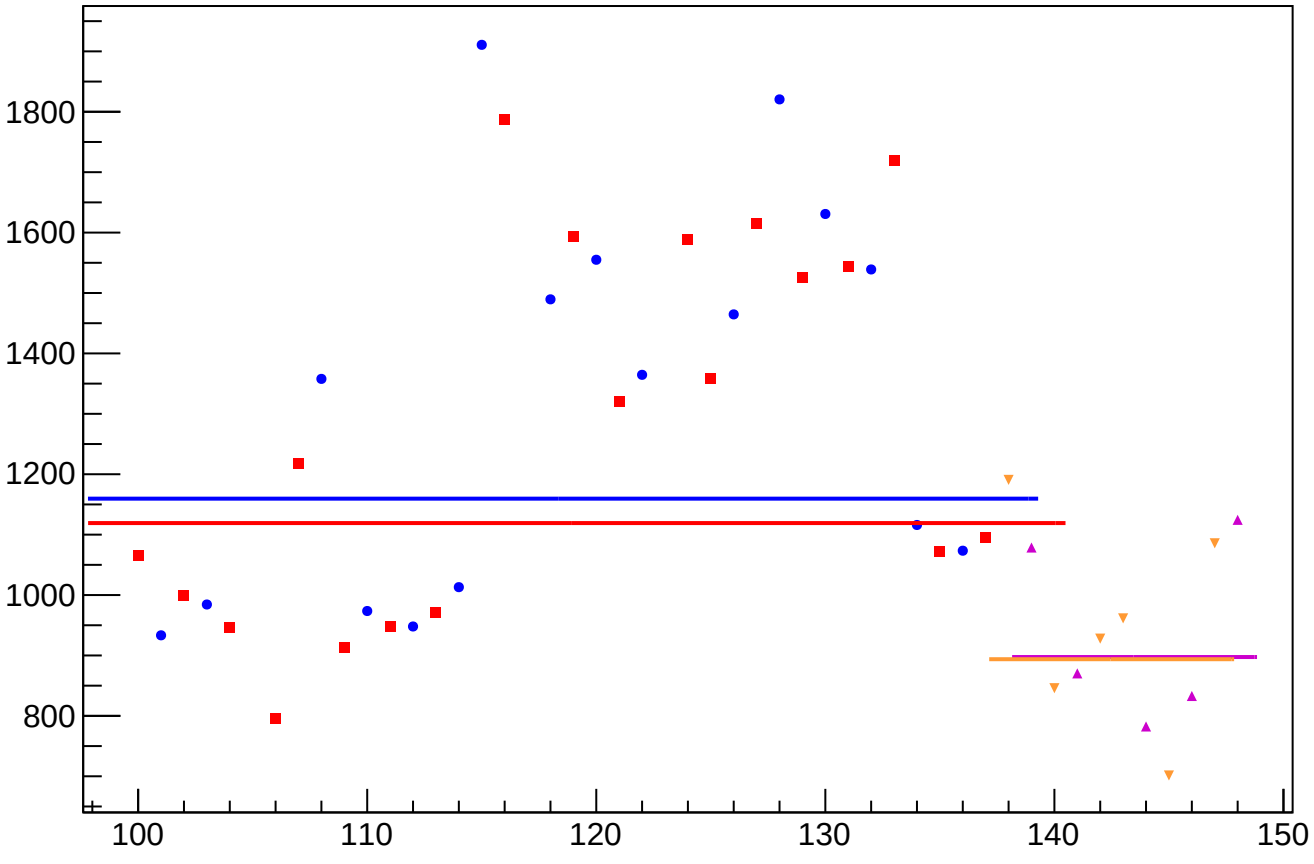
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -838.201+/-437.236 χ^2/NDF:2.5/4

+ sign -642.993+/-308.278 χ^2/NDF: 33.7/21

All: -806.043+/-216.566 χ^2/NDF: 50.8/45

- sign -964.913+/-304.302 χ^2/NDF: 16.6/23



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

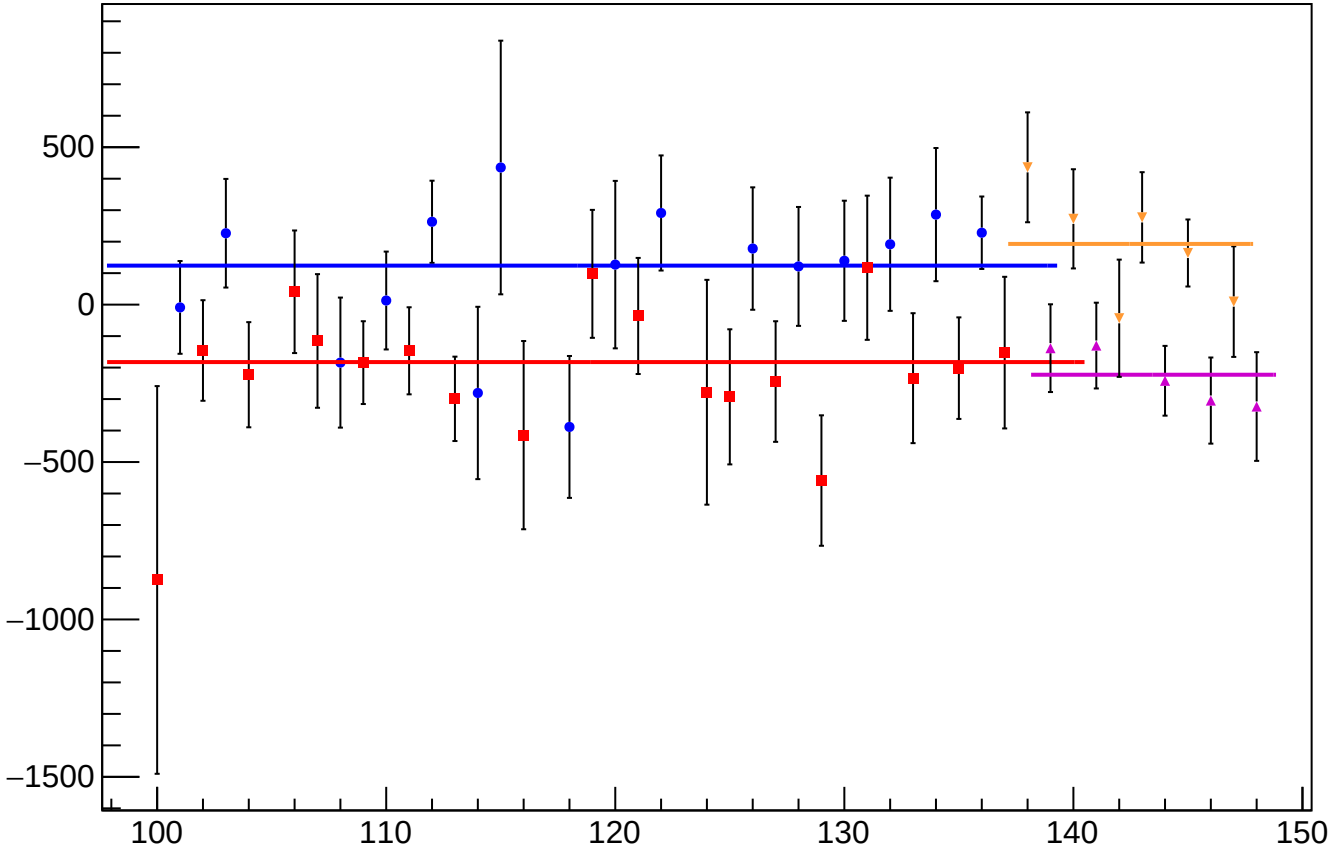
Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

+ sign 1021.942+/-0.218 χ^2/NDF: 1338413.1/21

All: 1016.778+/-0.153 χ^2/NDF: 2572448.1/45

- sign 1011.747+/-0.215 χ^2/NDF: 1232927.1/23

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

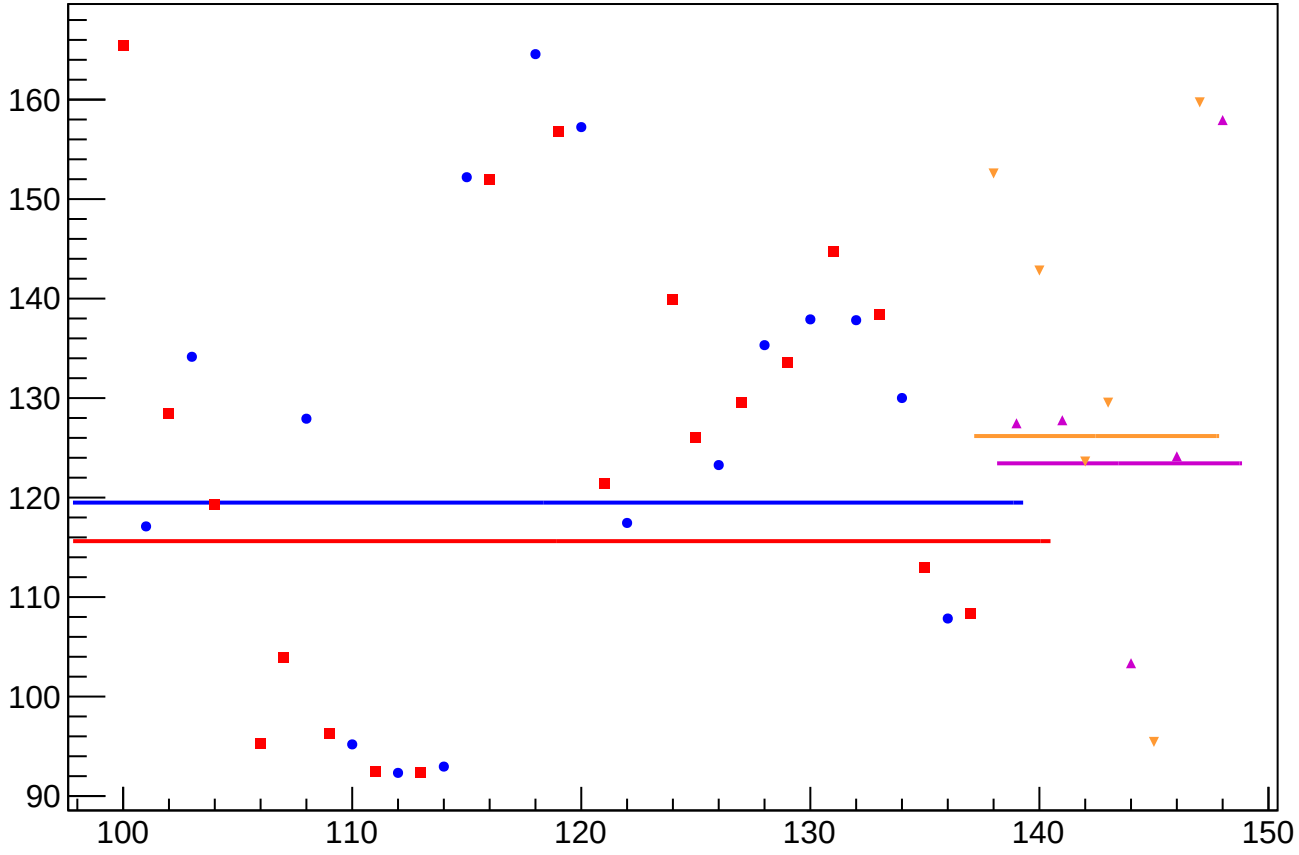
Left In: -222.688+/-60.432 χ^2/NDF:1.6/4

+ sign 148.485+/-36.280 χ^2/NDF: 21.6/21

All: -29.215+/-25.248 χ^2/NDF: 82.2/45

- sign -196.080+/-35.157 χ^2/NDF: 14.1/23

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

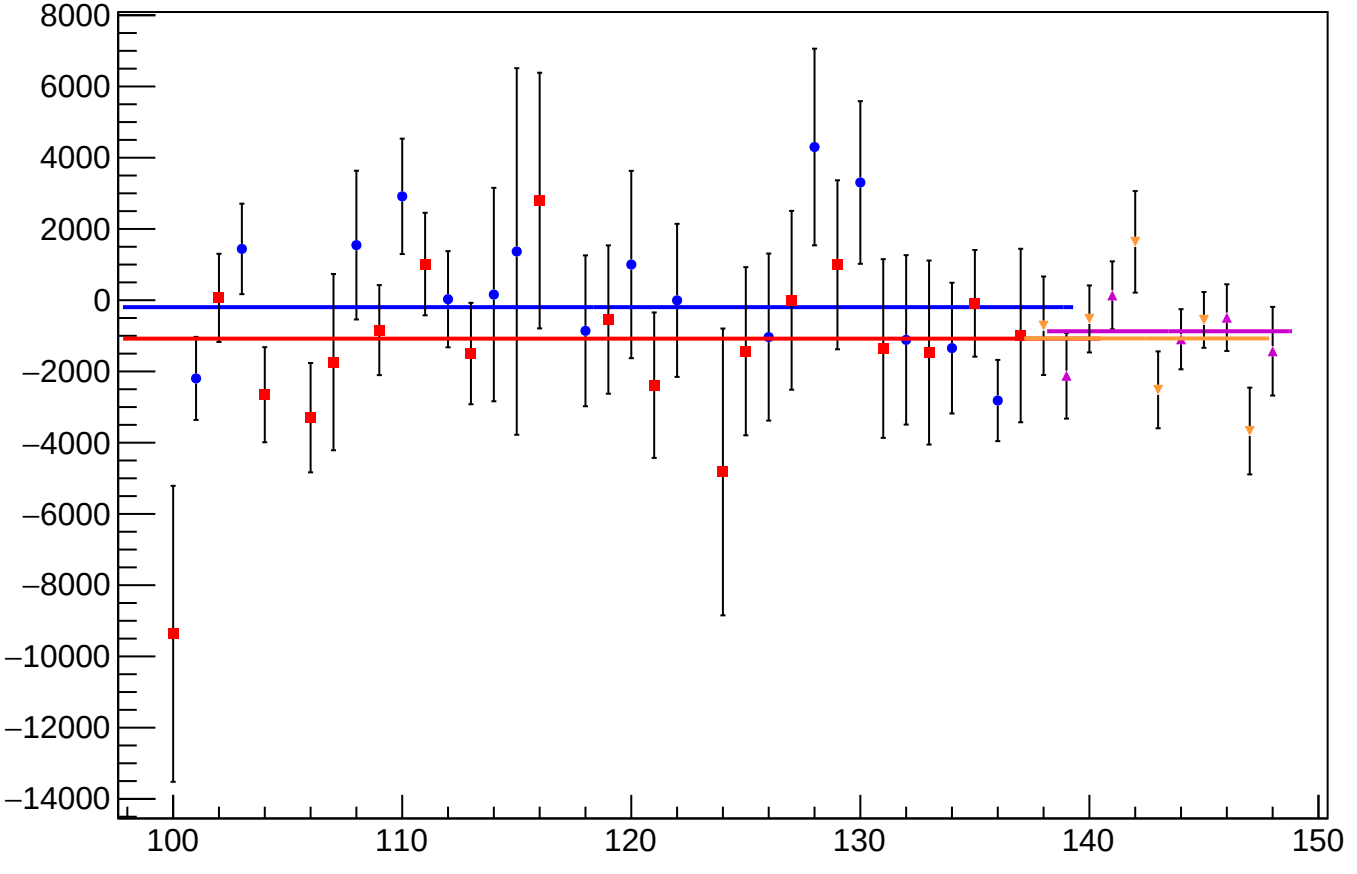
Left In: 123.442+/-0.043 χ^2/NDF:149371.1/4

\+ sign 121.882+/-0.026 χ^2/NDF: 705017.3/21

All: 120.018+/-0.018 χ^2/NDF: 1313736.9/45

\- sign 118.268+/-0.025 χ^2/NDF: 598489.3/23

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

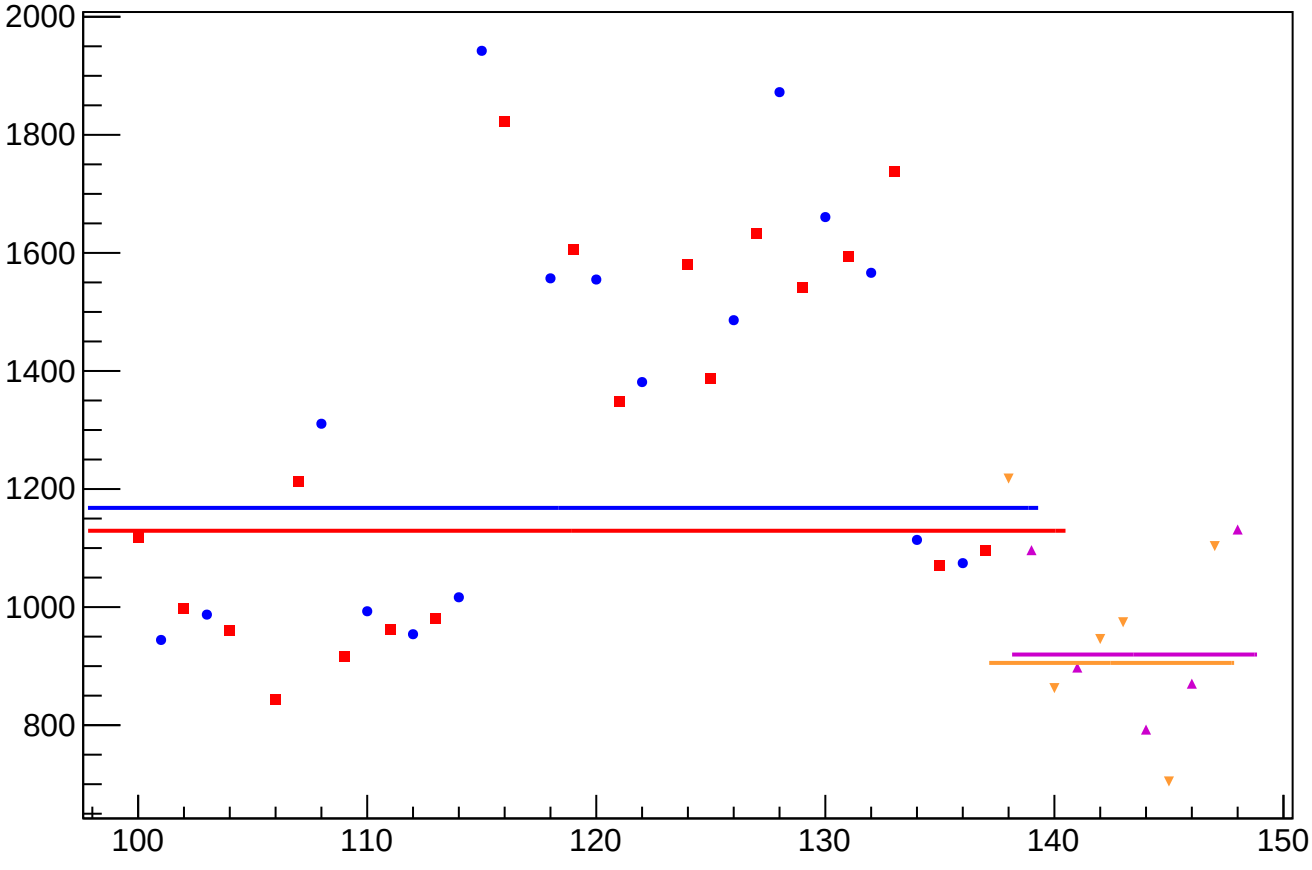
Left In: -871.406+/-448.245 χ^2/NDF:2.6/4

\+ sign -647.722+/-311.496 χ^2/NDF: 33.2/21

All: -815.673+/-219.292 χ^2/NDF: 51.1/45

\- sign -980.700+/-308.773 χ^2/NDF: 17.3/23

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

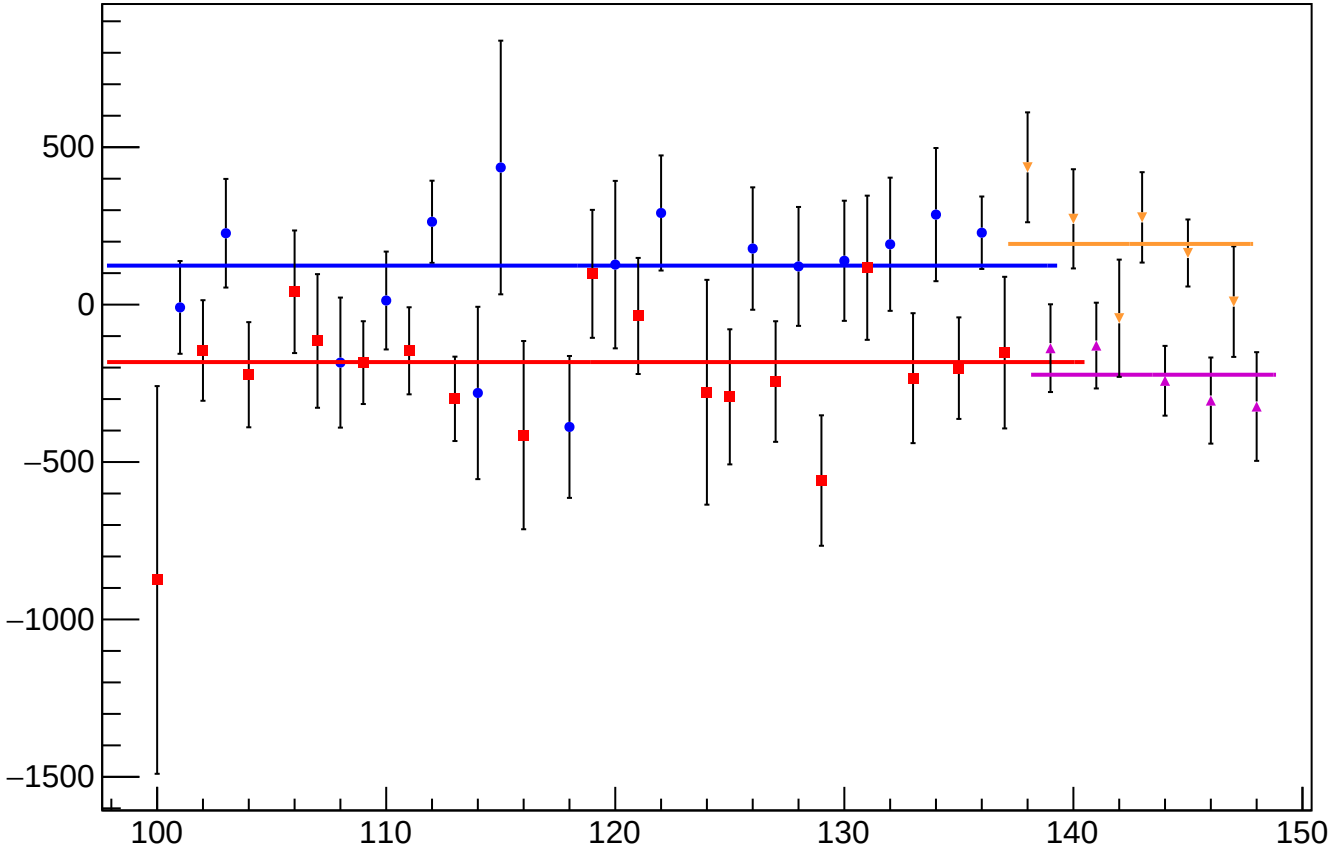
Left In: 919.651+/-0.317 χ^2/NDF:153092.4/4

+ sign 1032.792+/-0.220 χ^2/NDF: 1364633.3/21

All: 1031.297+/-0.155 χ^2/NDF: 2554980.0/45

- sign 1029.827+/-0.218 χ^2/NDF: 1190255.3/23

eigen_dit_asym_sam_48_dd_mean vs Slug



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

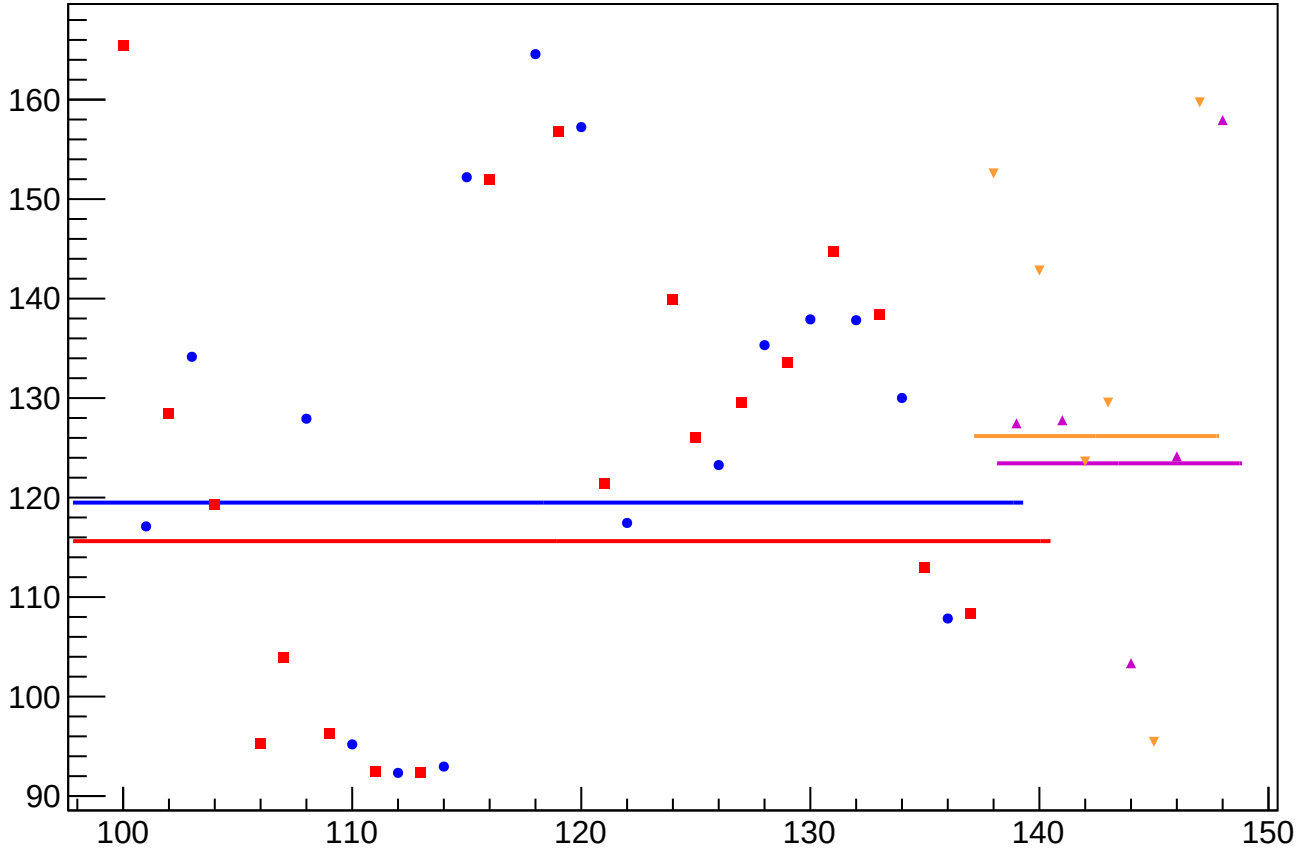
Left In: -222.689+/-60.432 χ^2/NDF:1.6/4

+ sign 148.487+/-36.280 χ^2/NDF: 21.6/21

All: -29.214+/-25.248 χ^2/NDF: 82.2/45

- sign -196.080+/-35.157 χ^2/NDF: 14.1/23

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

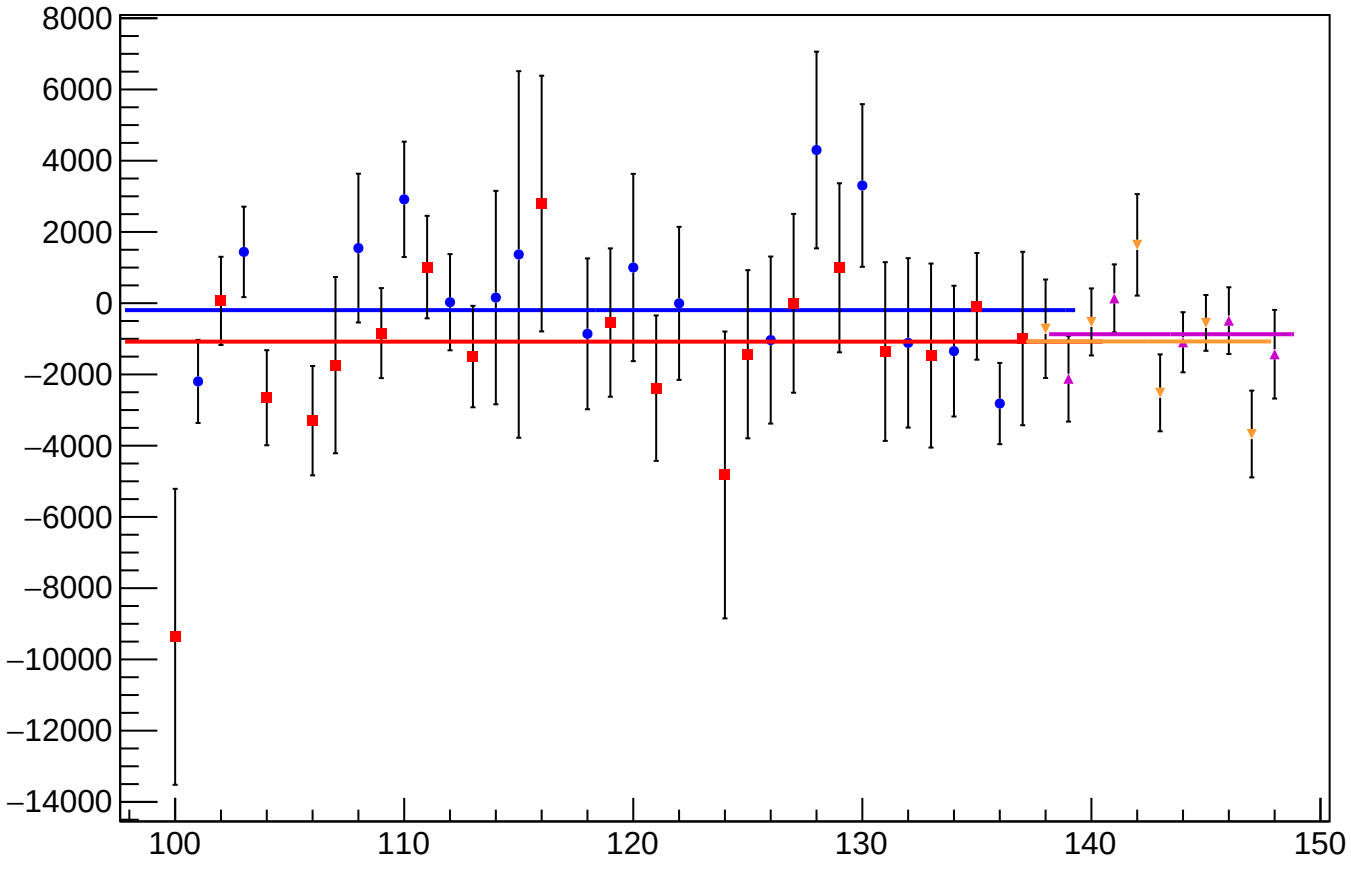
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 123.442+/-0.043 χ^2/NDF:149369.3/4

+ sign 121.882+/-0.026 χ^2/NDF: 705018.9/21

All: 120.018+/-0.018 χ^2/NDF: 1313742.3/45

- sign 118.268+/-0.025 χ^2/NDF: 598493.0/23



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

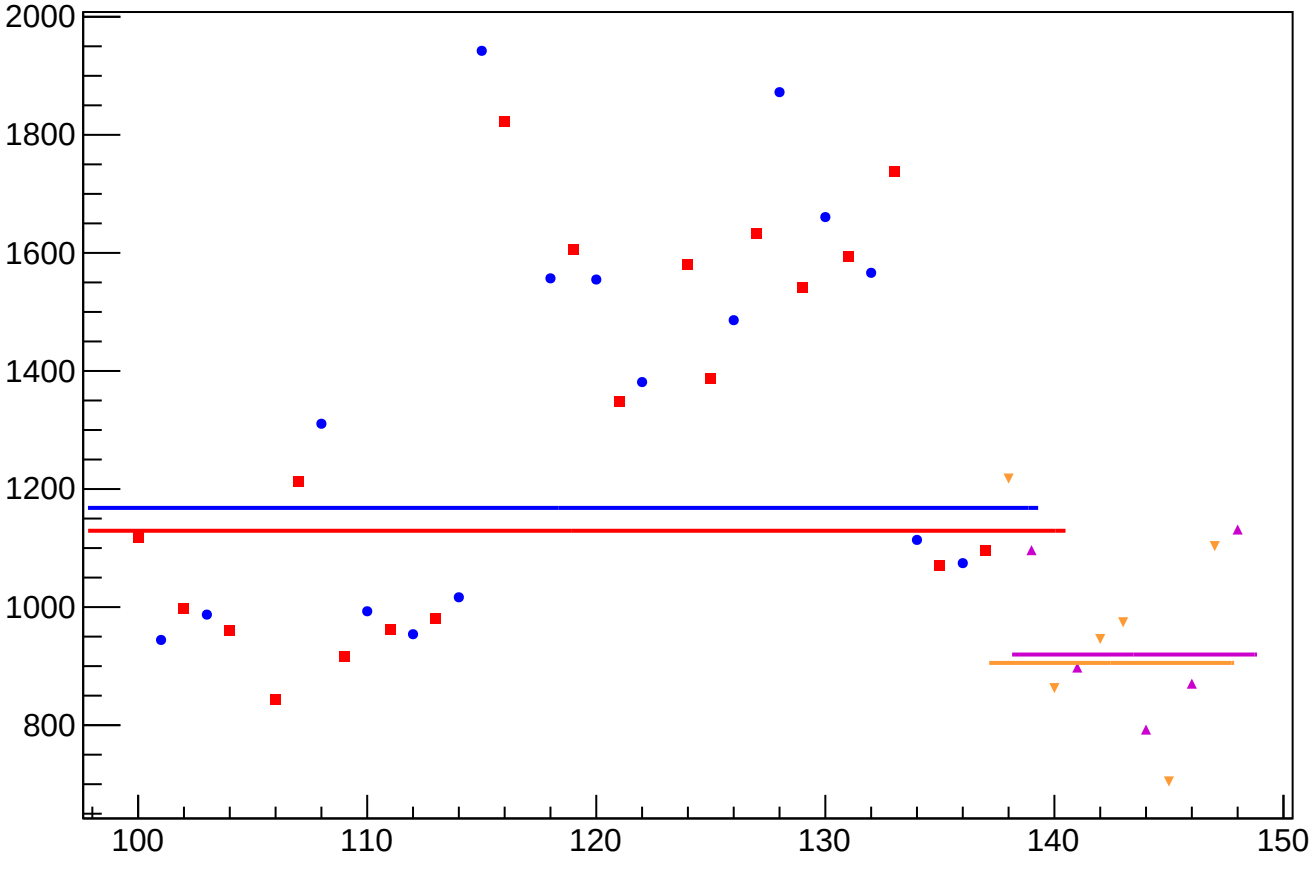
Left In: -871.406+/-448.245 χ^2/NDF:2.6/4

+ sign -647.721+/-311.496 χ^2/NDF: 33.2/21

All: -815.673+/-219.292 χ^2/NDF: 51.1/45

- sign -980.700+/-308.773 χ^2/NDF: 17.3/23

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

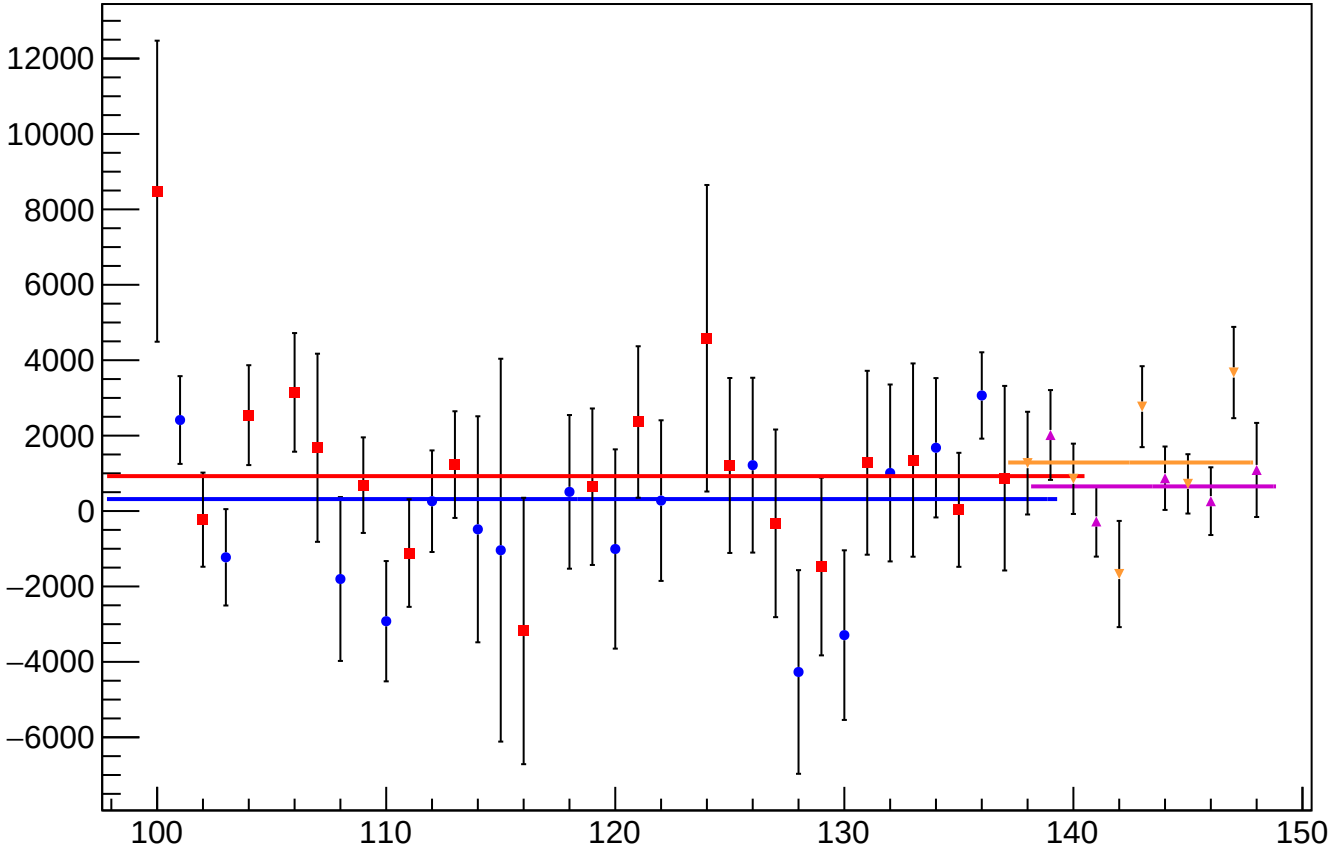
Left In: 919.651+/-0.317 χ^2/NDF:153092.9/4

+ sign 1032.791+/-0.220 χ^2/NDF: 1364642.1/21

All: 1031.296+/-0.155 χ^2/NDF: 2554990.1/45

- sign 1029.827+/-0.218 χ^2/NDF: 1190256.7/23

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

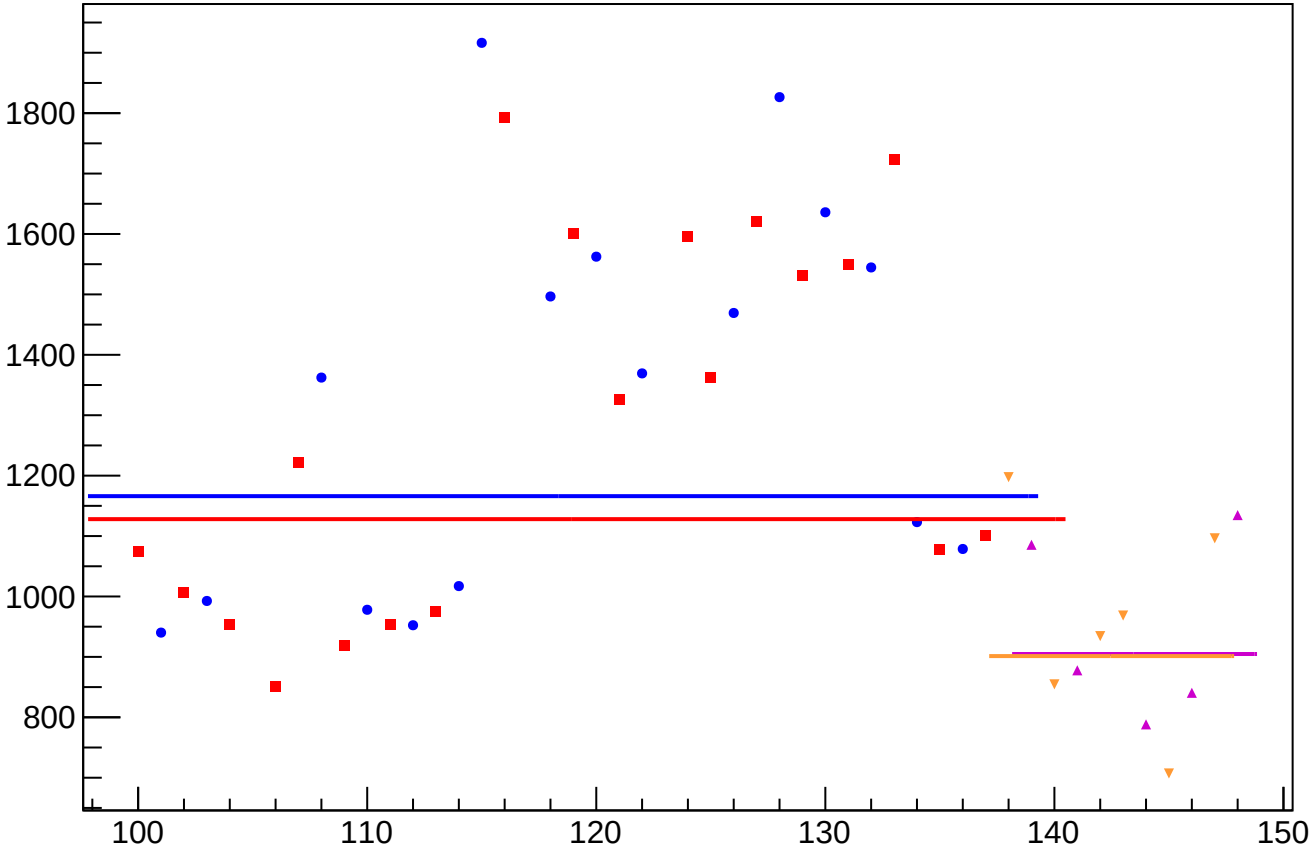
Left In: 653.506+/-440.770 χ^2/NDF:2.7/4

+ sign 818.210+/-310.403 χ^2/NDF: 35.5/21

All: 806.242+/-217.949 χ^2/NDF: 53.0/45

- sign 794.604+/-306.094 χ^2/NDF: 17.4/23

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

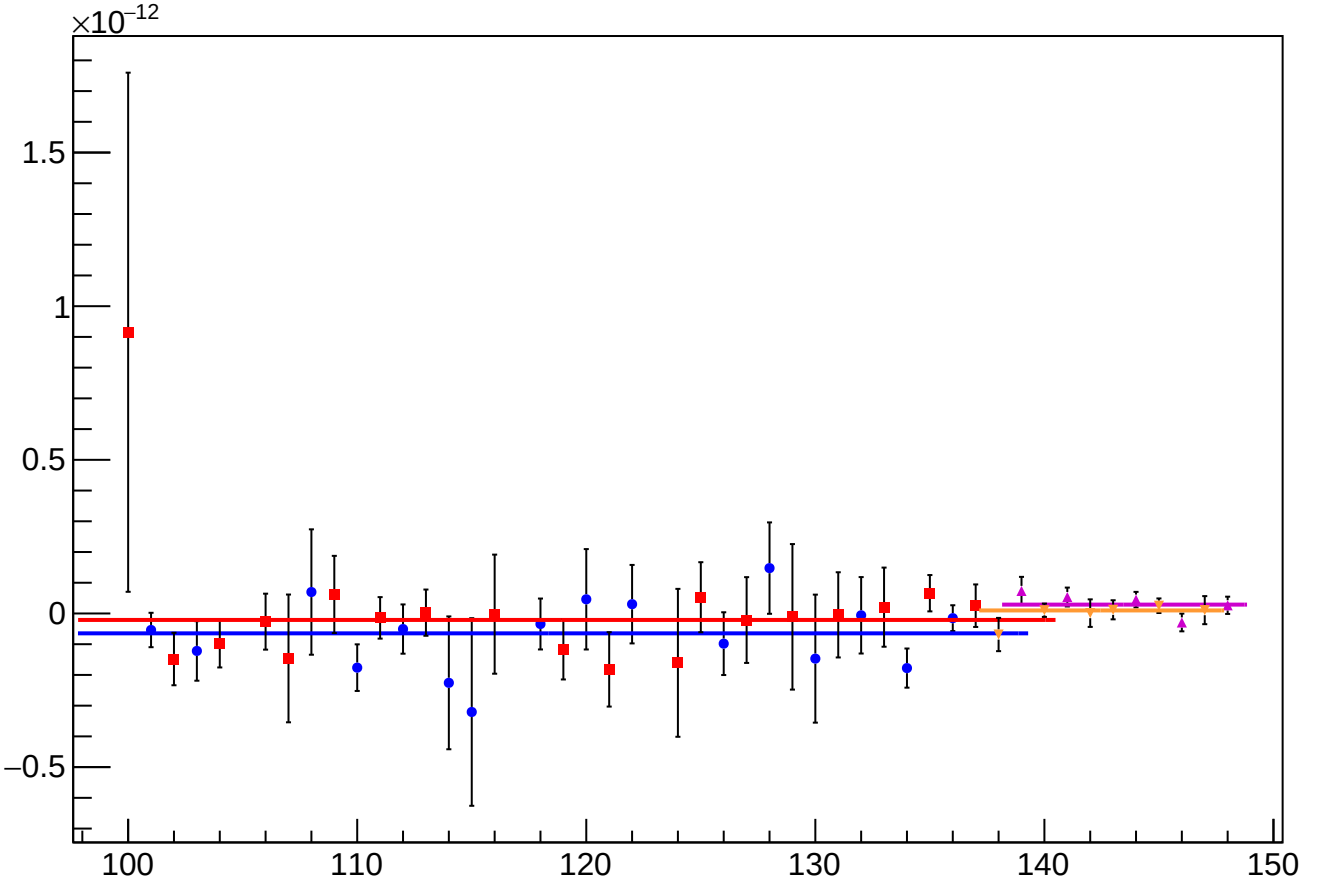
Left In: 904.779+/-0.312 χ^2/NDF:164282.4/4

+ sign 1029.360+/-0.219 χ^2/NDF: 1322702.3/21

All: 1024.793+/-0.154 χ^2/NDF: 2529193.4/45

- sign 1020.351+/-0.216 χ^2/NDF: 1205637.1/23

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

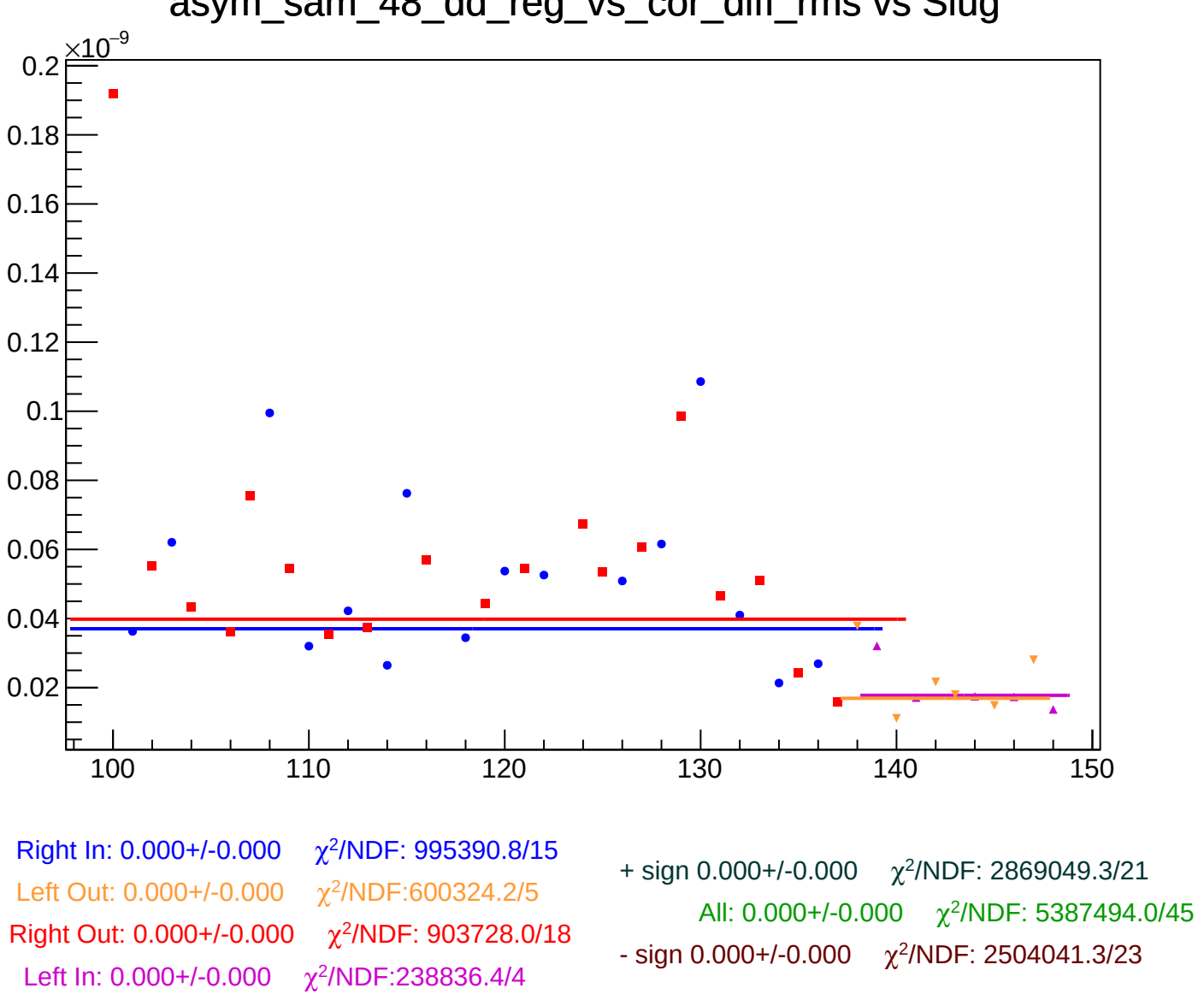
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/4

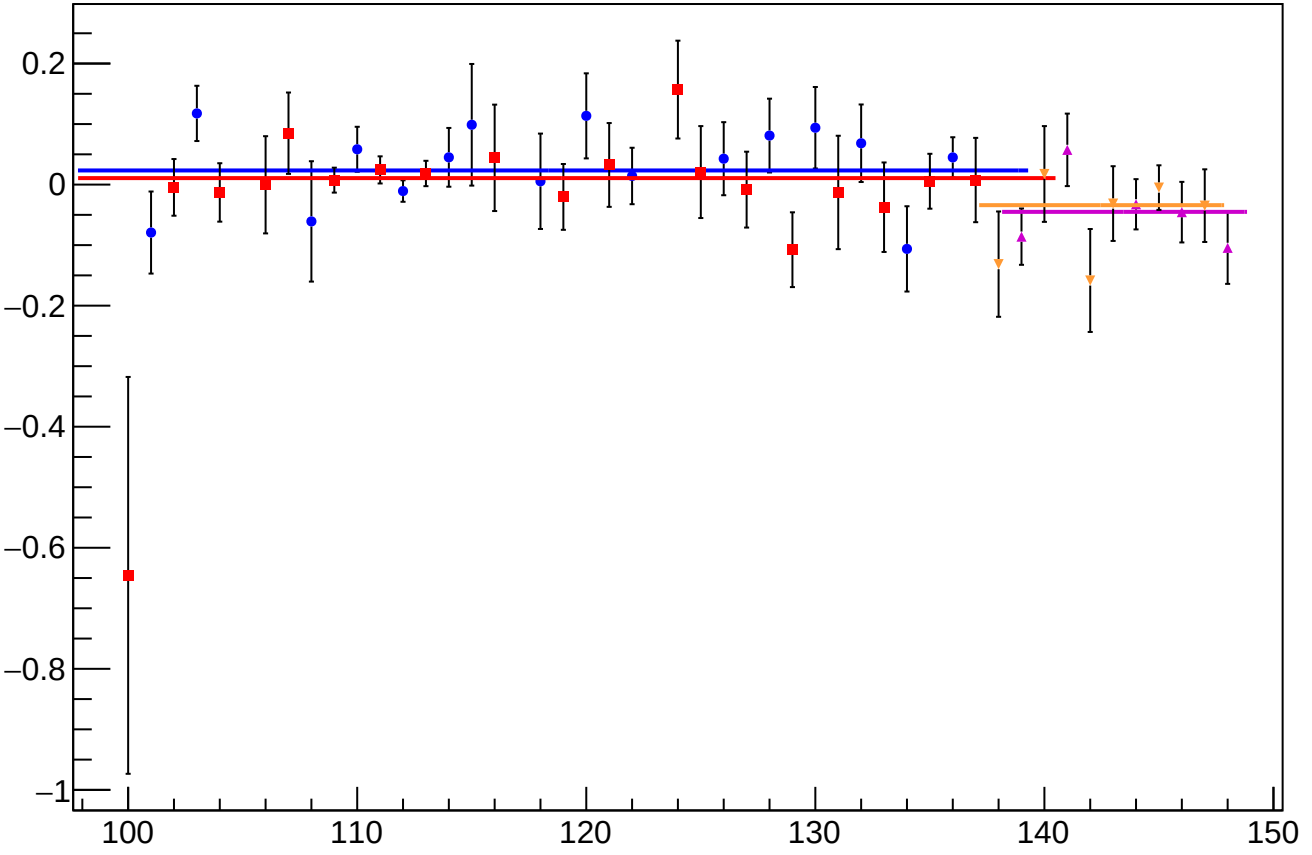
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/21

All: 0.000+/-0.000 χ^2/NDF: 47.3/45

- sign 0.000+/-0.000 χ^2/NDF: 21.1/23


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
150
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:238836.4/4
+ sign 0.000+/-0.000 χ²/NDF: 2869049.3/21
All: 0.000+/-0.000 χ²/NDF: 5387494.0/45
- sign 0.000+/-0.000 χ²/NDF: 2504041.3/23

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

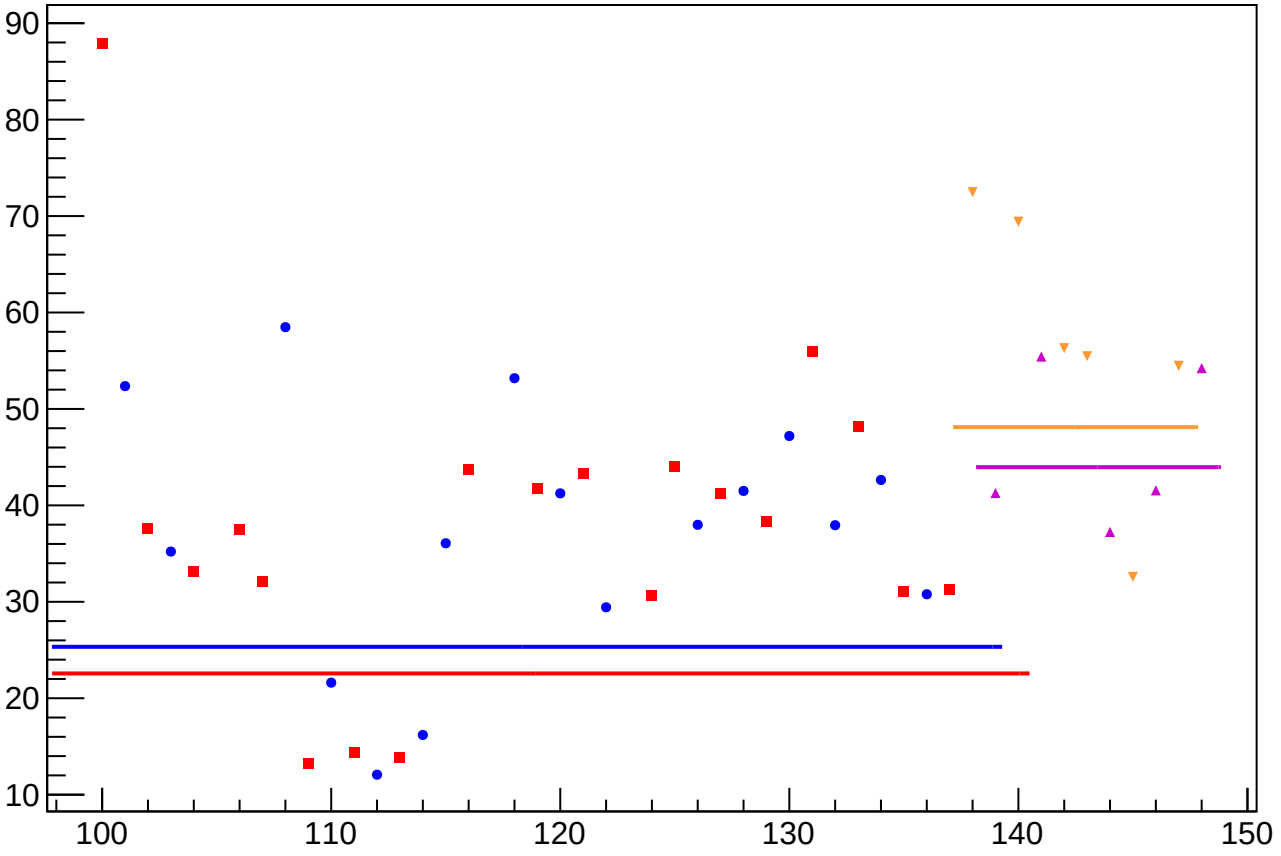
Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.007+/-0.007 χ^2/NDF: 54.8/45

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23

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

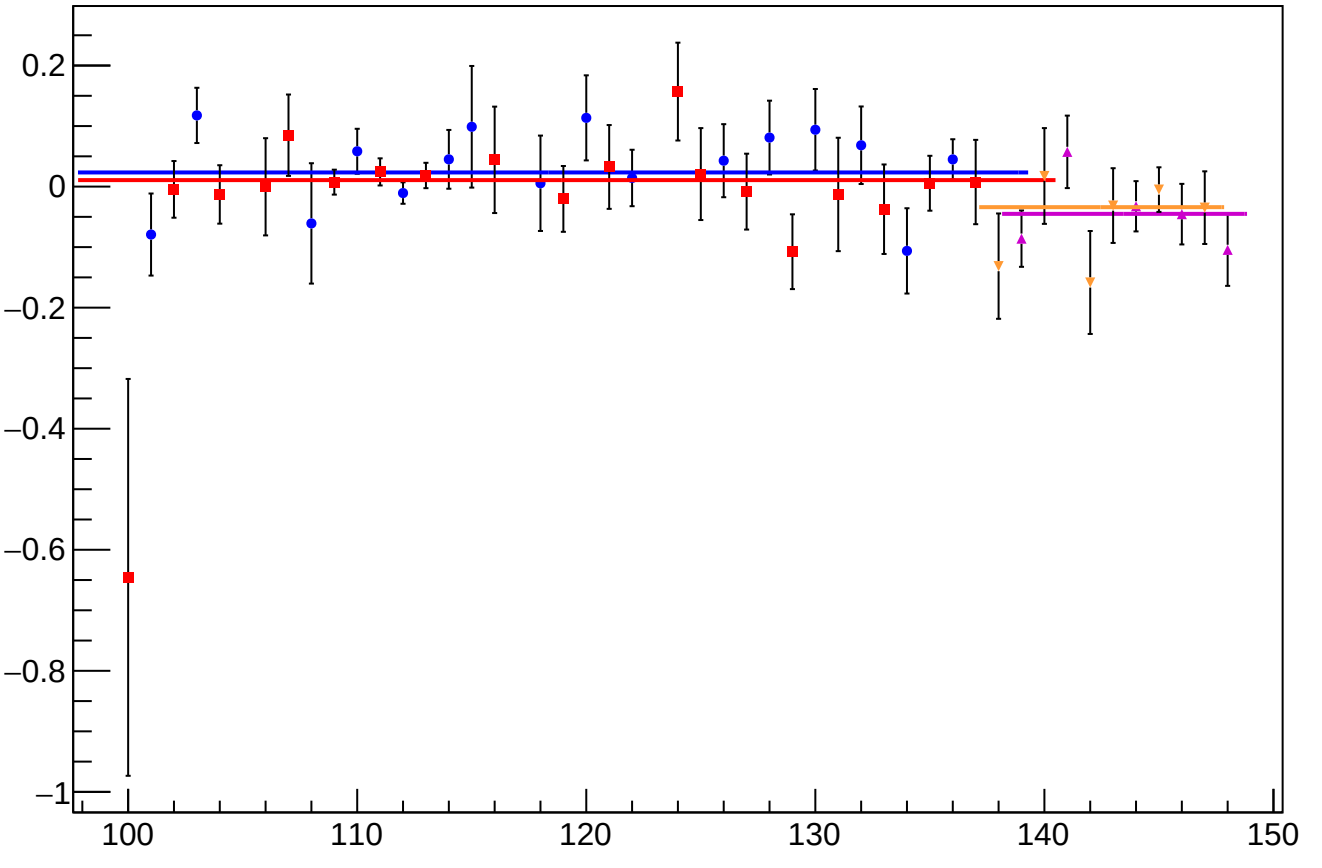
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

+ sign 29.274+/-0.007 χ^2/NDF: 5116873.2/21

All: 27.462+/-0.005 χ^2/NDF: 10105998.6/45

- sign 26.022+/-0.006 χ^2/NDF: 4872840.0/23



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

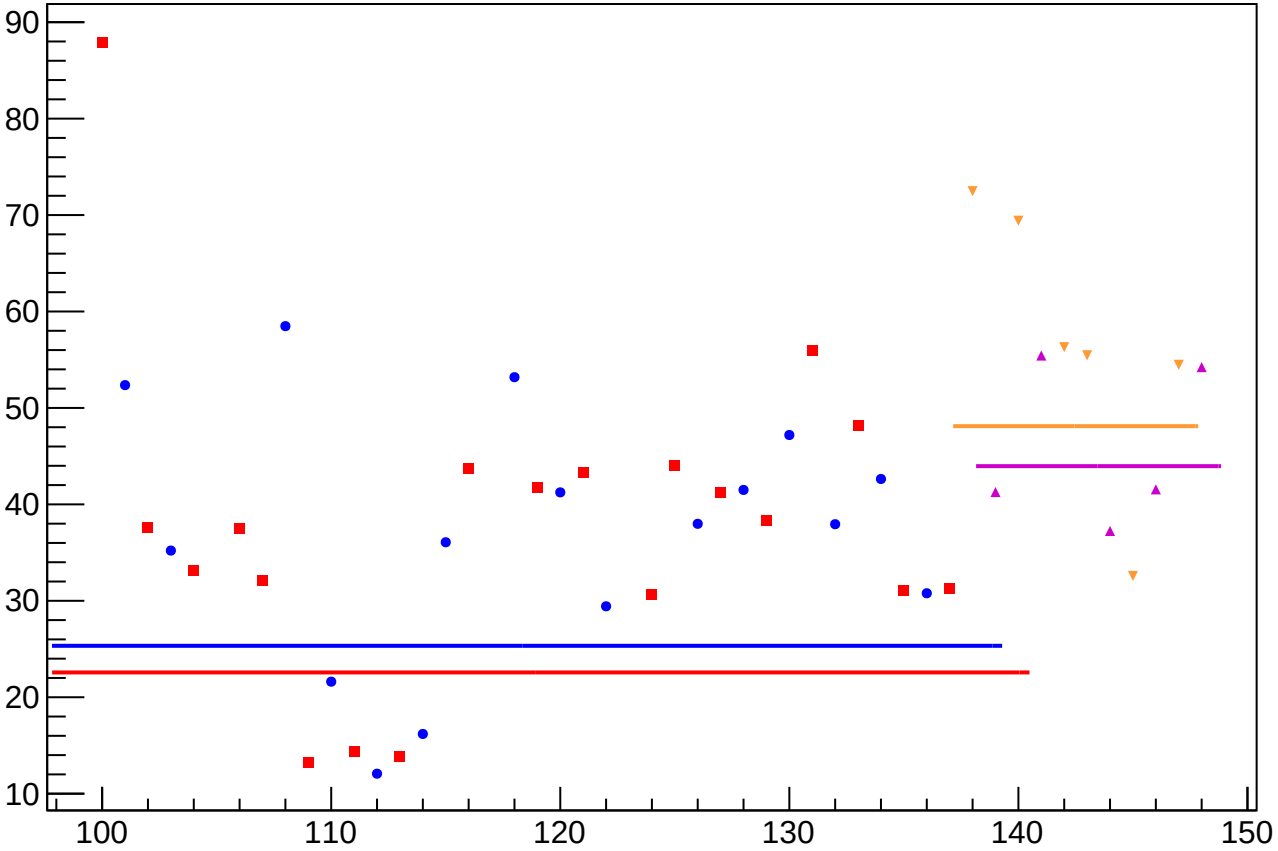
Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.007+/-0.007 χ^2/NDF: 54.8/45

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

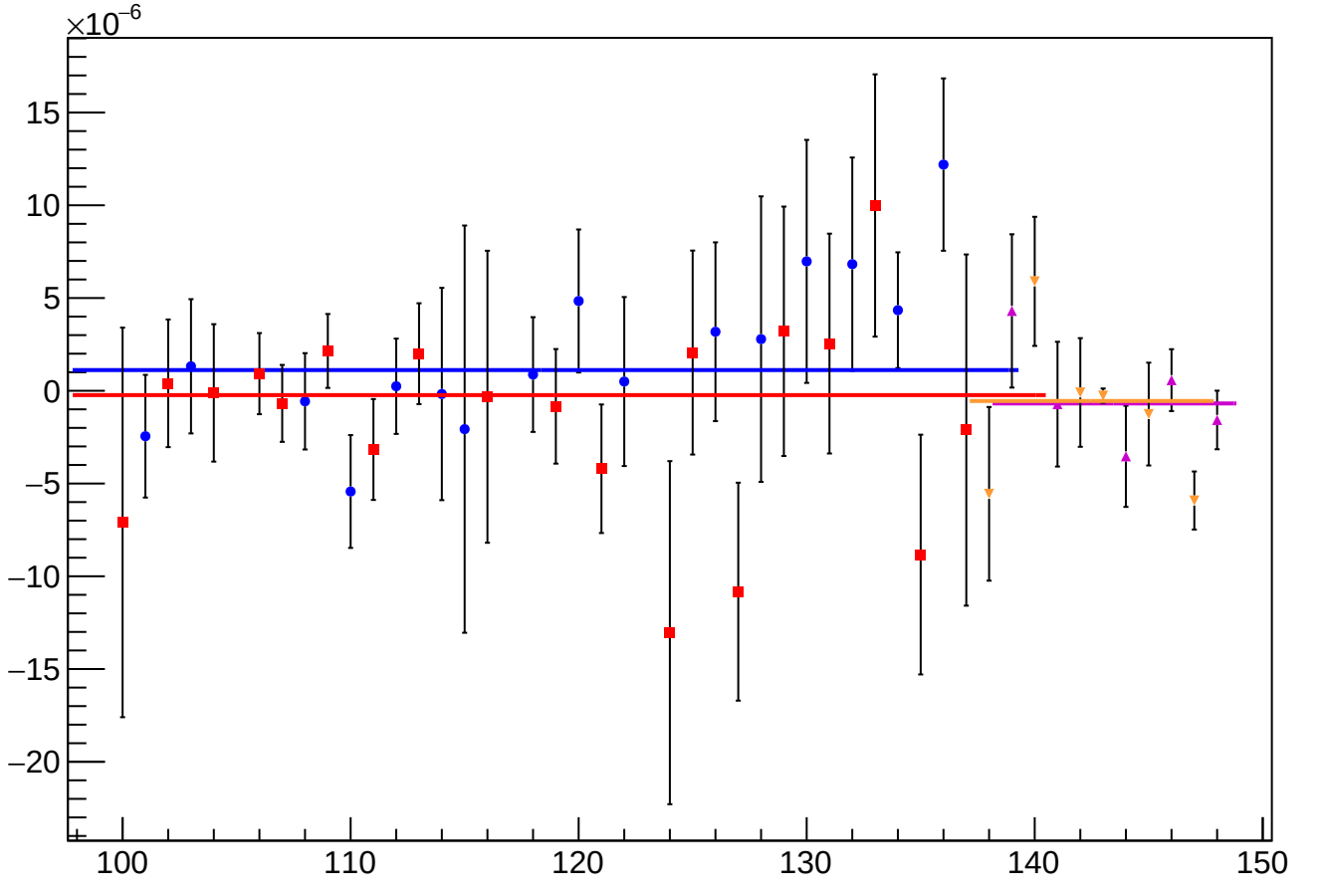
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

+ sign 29.274+/-0.007 χ^2/NDF: 5116873.2/21

All: 27.462+/-0.005 χ^2/NDF: 10105998.6/45

- sign 26.022+/-0.006 χ^2/NDF: 4872840.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/5

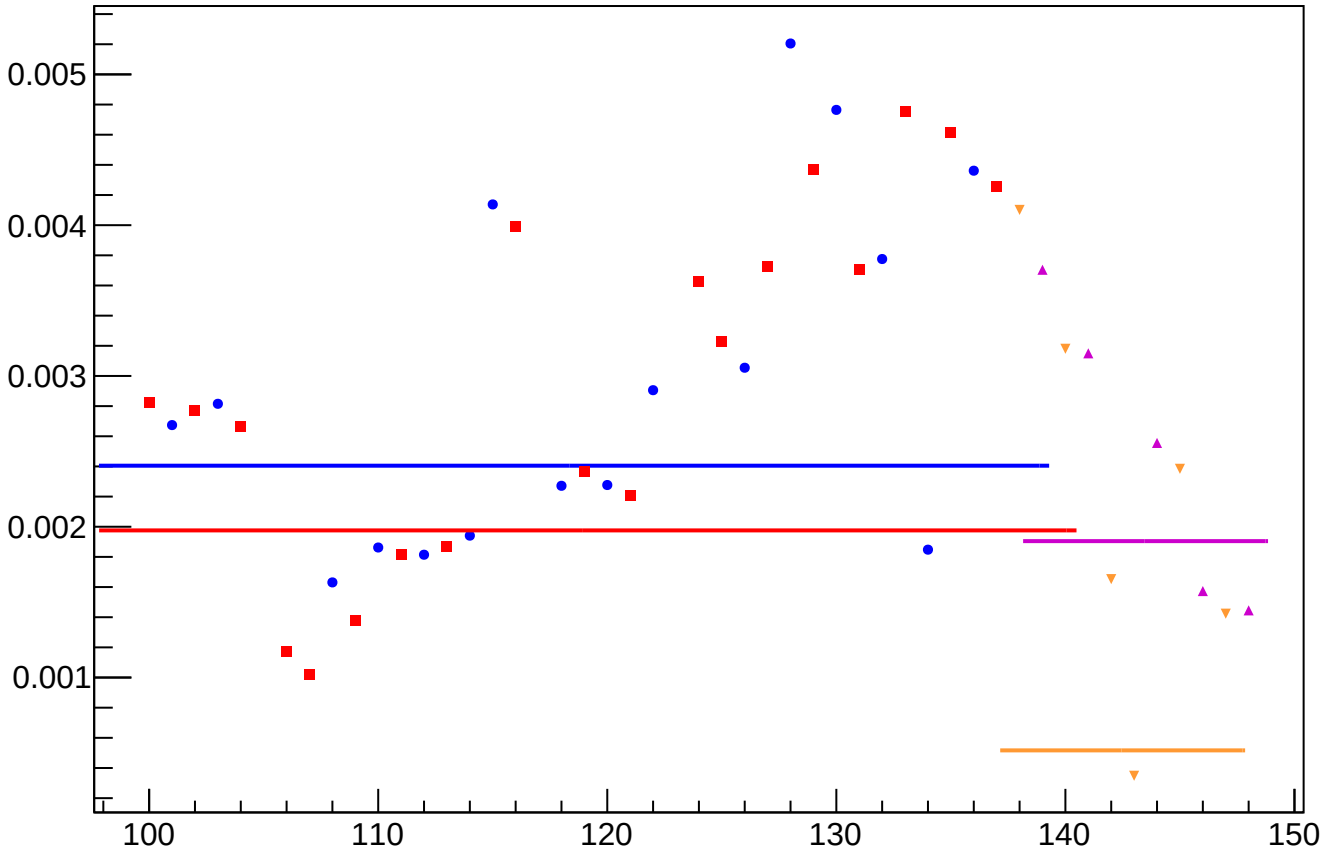
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/21

All: -0.000+/-0.000 χ^2/NDF: 54.5/45

- sign -0.000+/-0.000 χ^2/NDF: 18.7/23



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:4604089.0/5

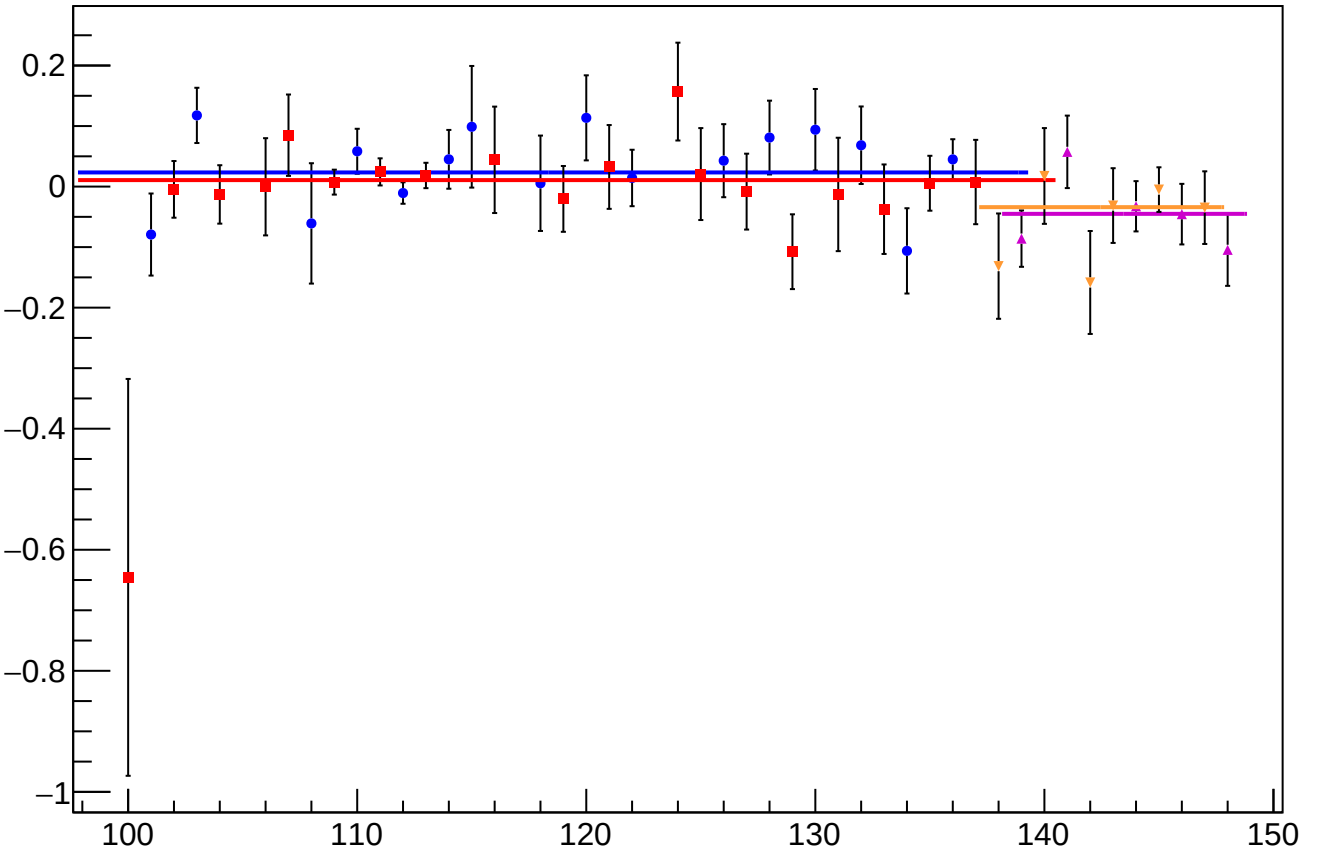
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1015794.8/4

+ sign 0.001+/-0.000 χ^2/NDF: 12999687.4/21

All: 0.001+/-0.000 χ^2/NDF: 22364569.0/45

- sign 0.002+/-0.000 χ^2/NDF: 3797405.6/23



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

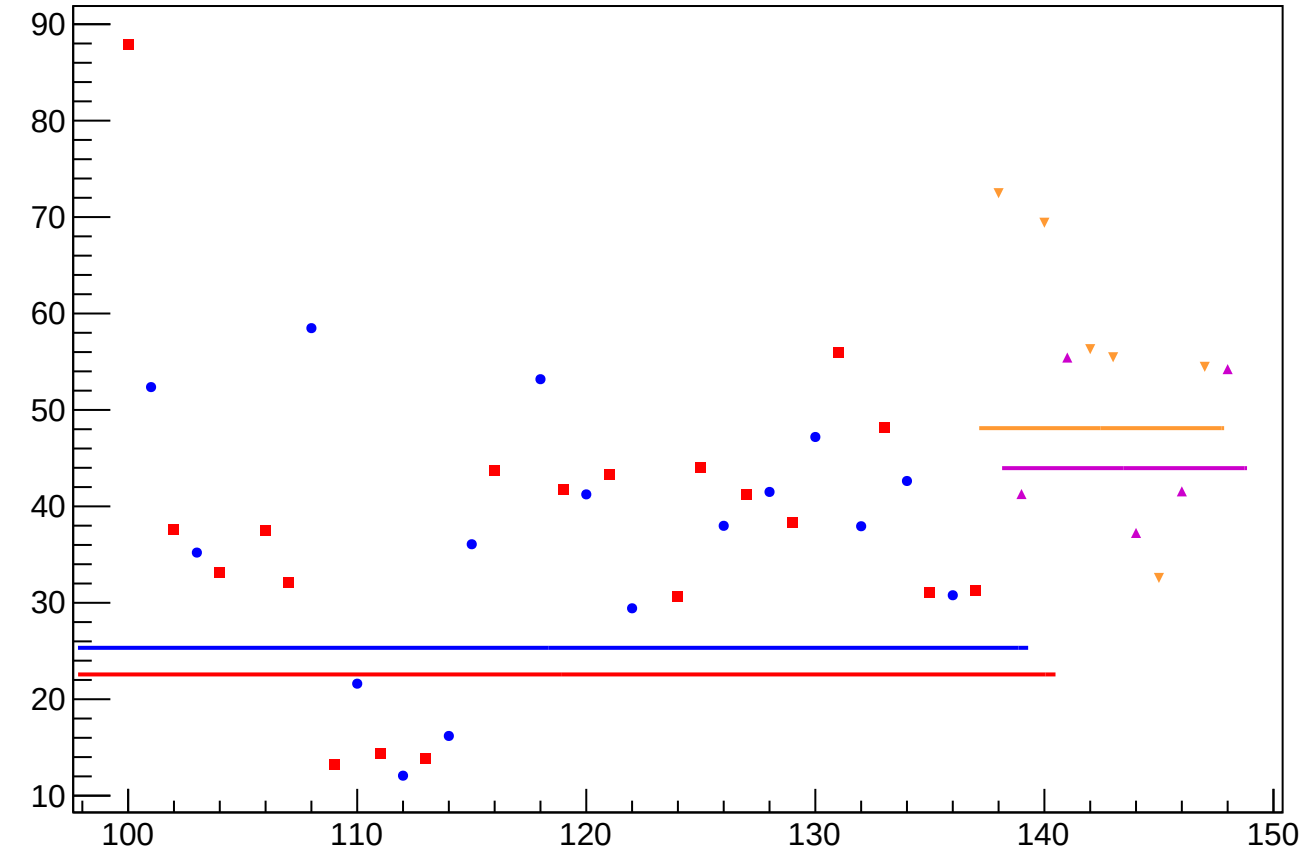
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.007+/-0.007 χ^2/NDF: 54.8/45

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.111+/-0.017 χ^2/NDF:726784.7/5

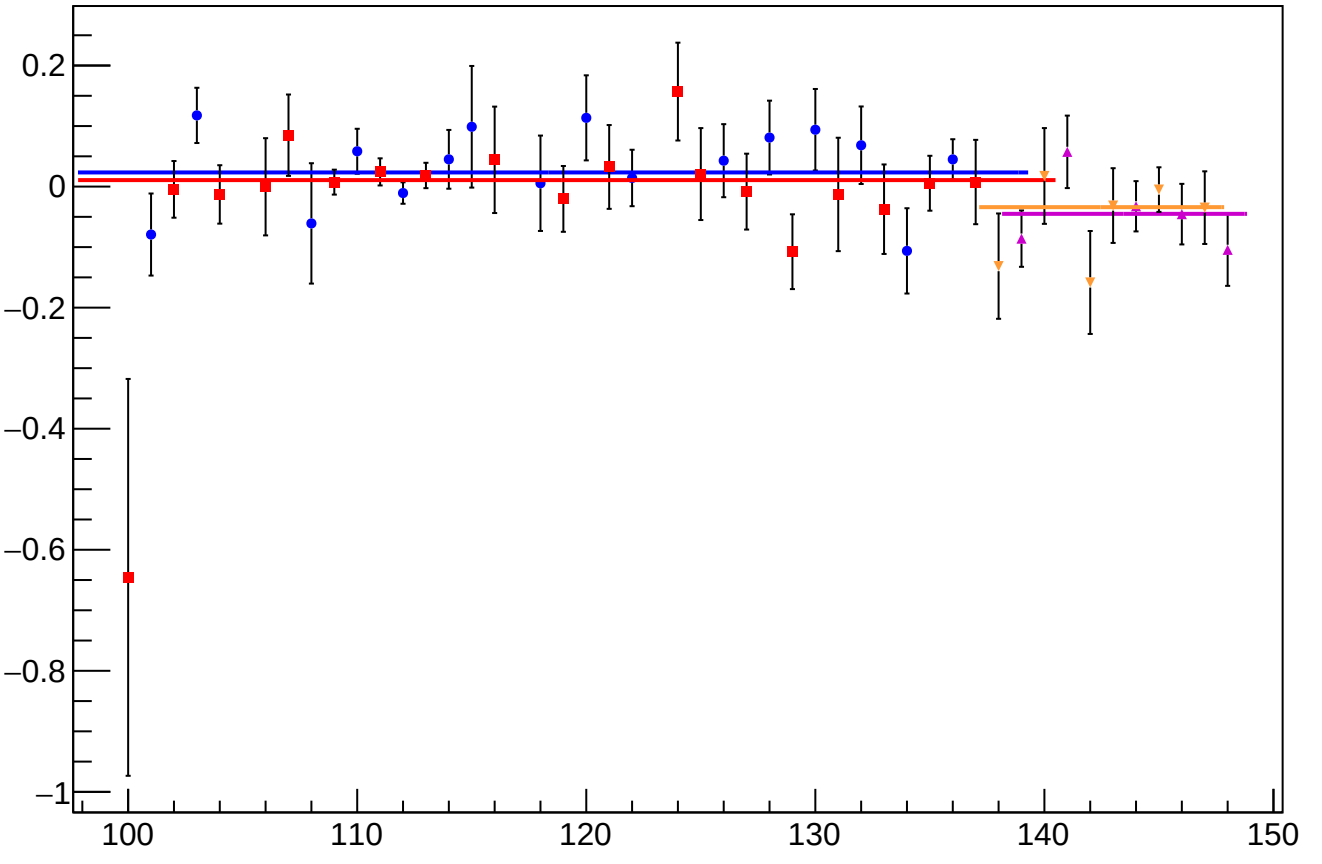
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

+ sign 29.272+/-0.007 χ^2/NDF: 5117484.2/21

All: 27.462+/-0.005 χ^2/NDF: 10106765.2/45

- sign 26.021+/-0.006 χ^2/NDF: 4873061.7/23



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

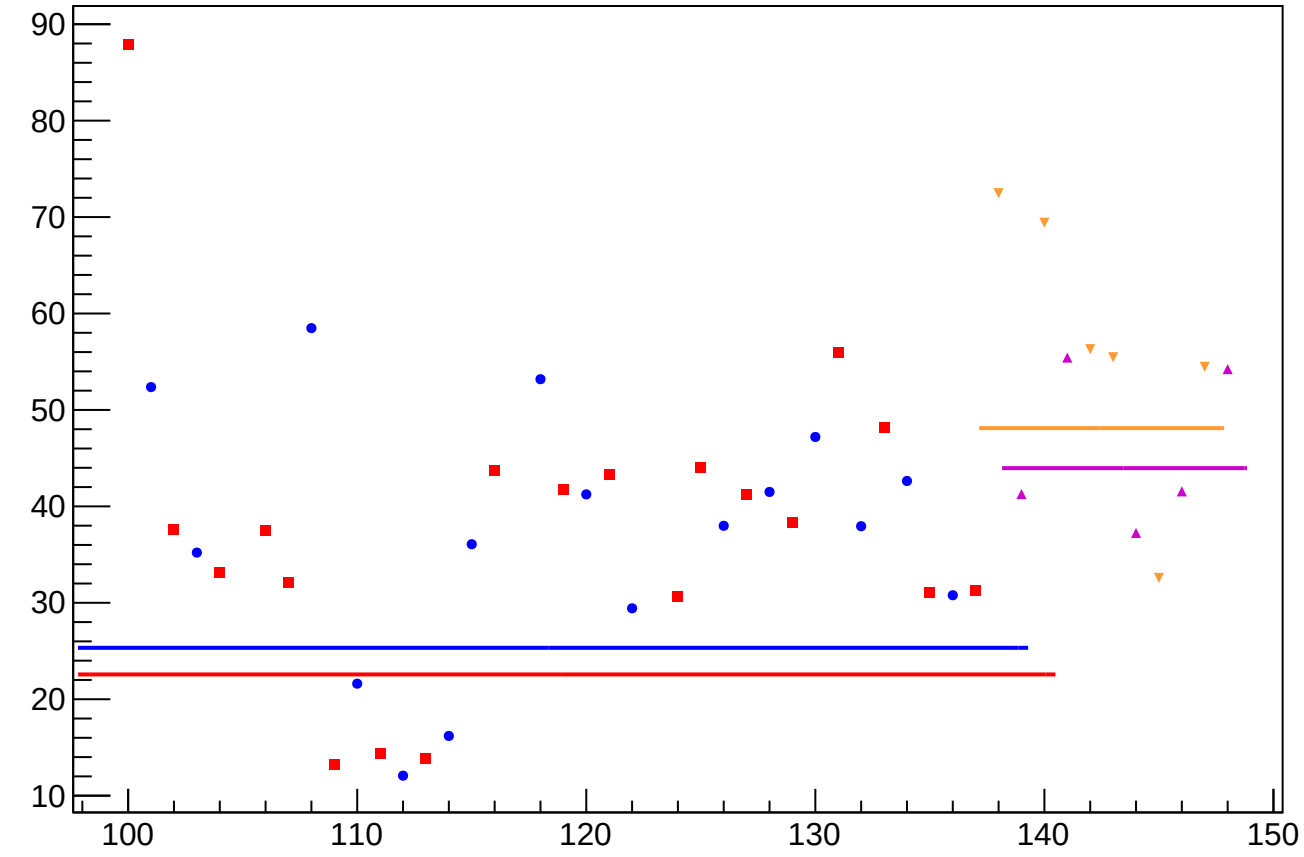
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 29.8/21

All: 0.007+/-0.007 χ^2/NDF: 54.8/45

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.111+/-0.017 χ^2/NDF:726784.7/5

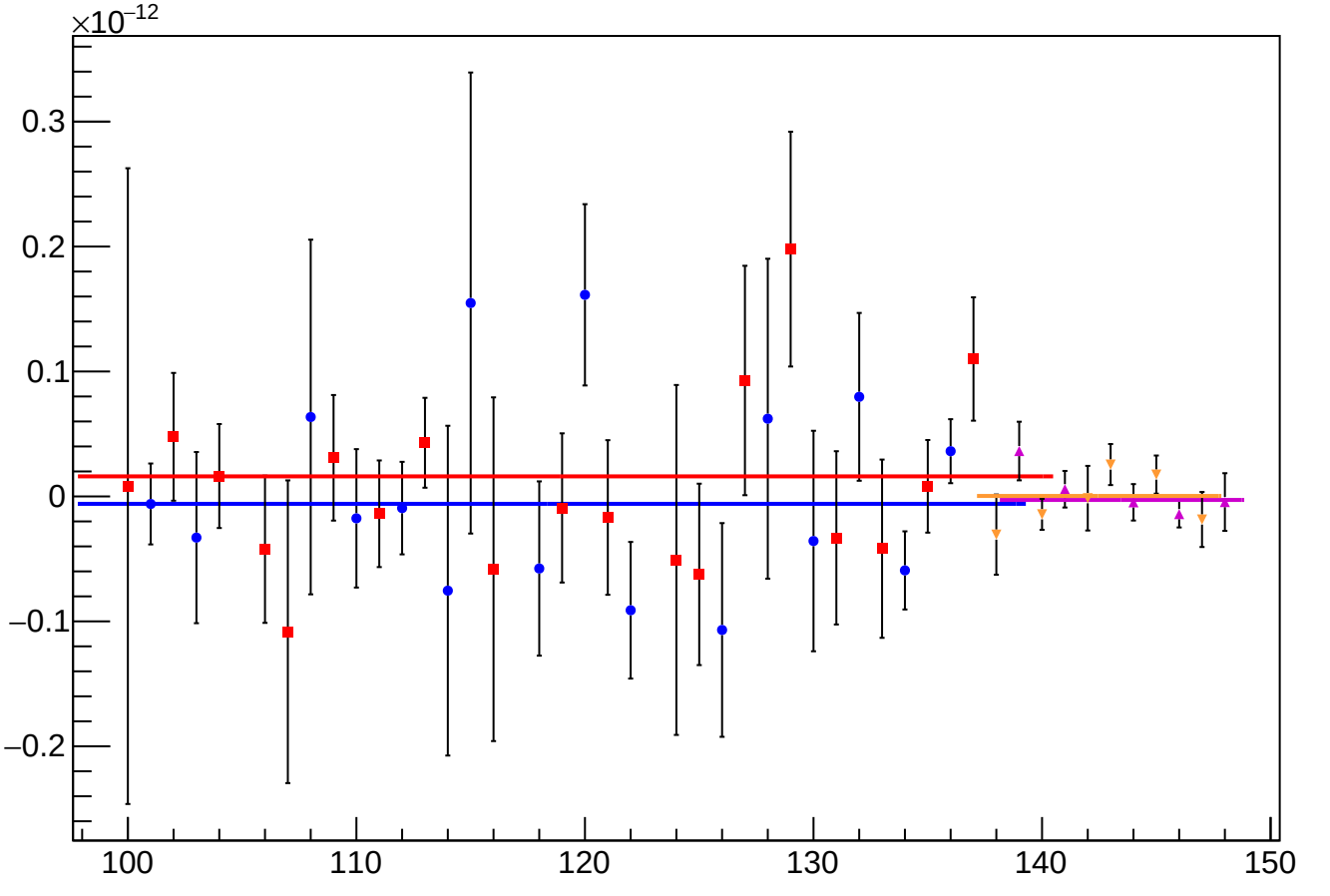
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

+ sign 29.272+/-0.007 χ^2/NDF: 5117484.2/21

All: 27.462+/-0.005 χ^2/NDF: 10106765.2/45

- sign 26.021+/-0.006 χ^2/NDF: 4873061.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/5

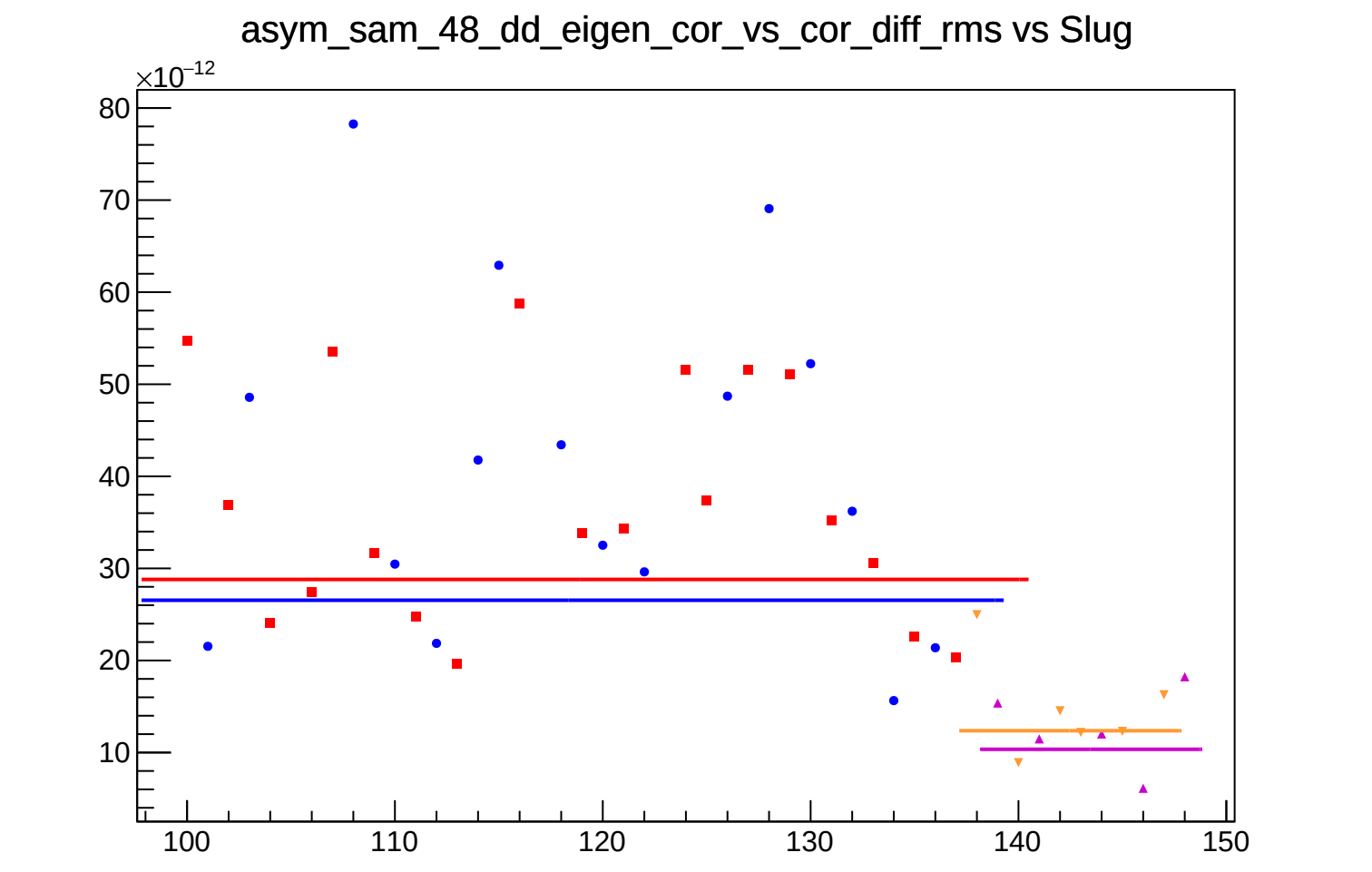
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

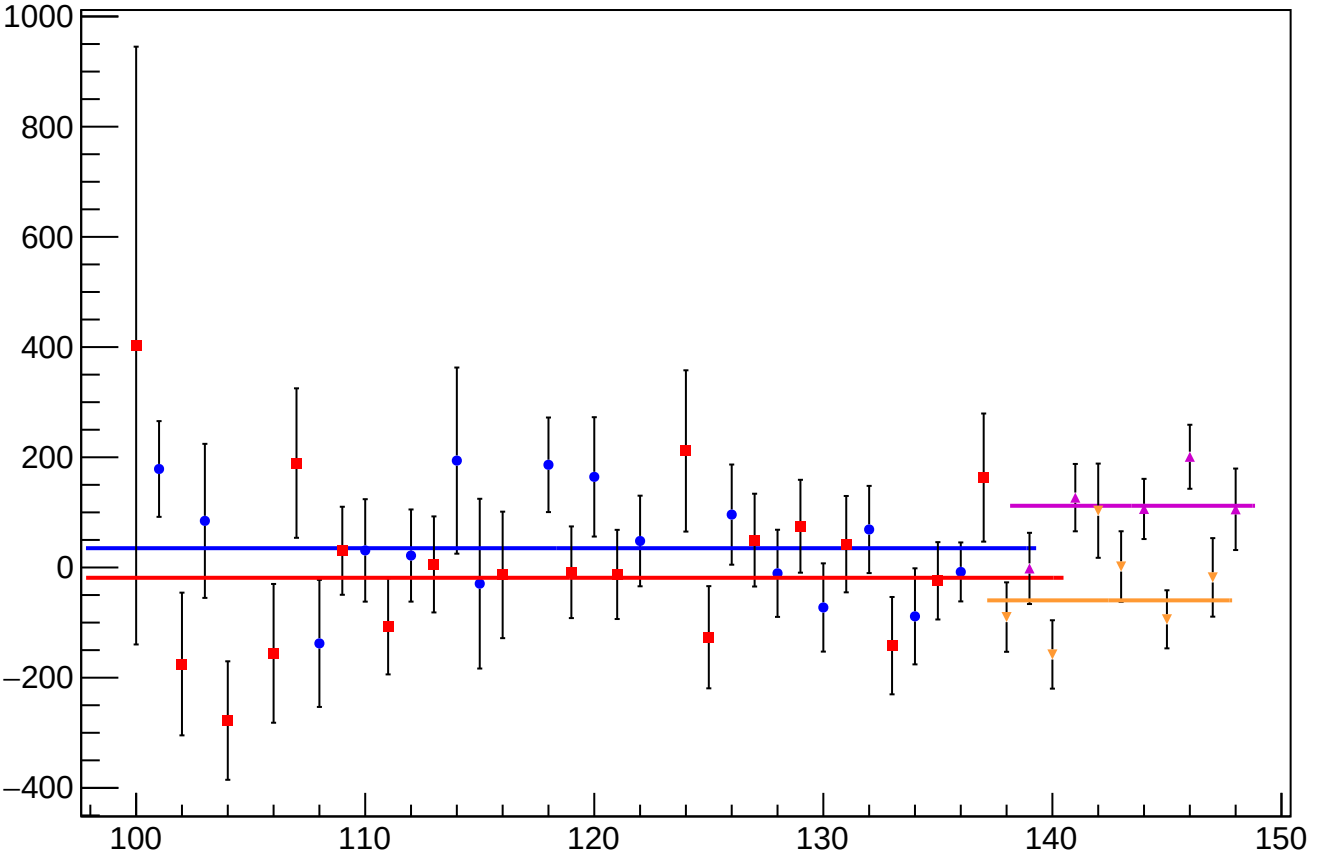
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/21

All: -0.000+/-0.000 χ^2/NDF: 46.6/45

- sign 0.000+/-0.000 χ^2/NDF: 20.9/23


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
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:676217.8/4
+ sign 0.000+/-0.000 χ²/NDF: 4110238.2/21
All: 0.000+/-0.000 χ²/NDF: 8829927.9/45
- sign 0.000+/-0.000 χ²/NDF: 4644597.8/23

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

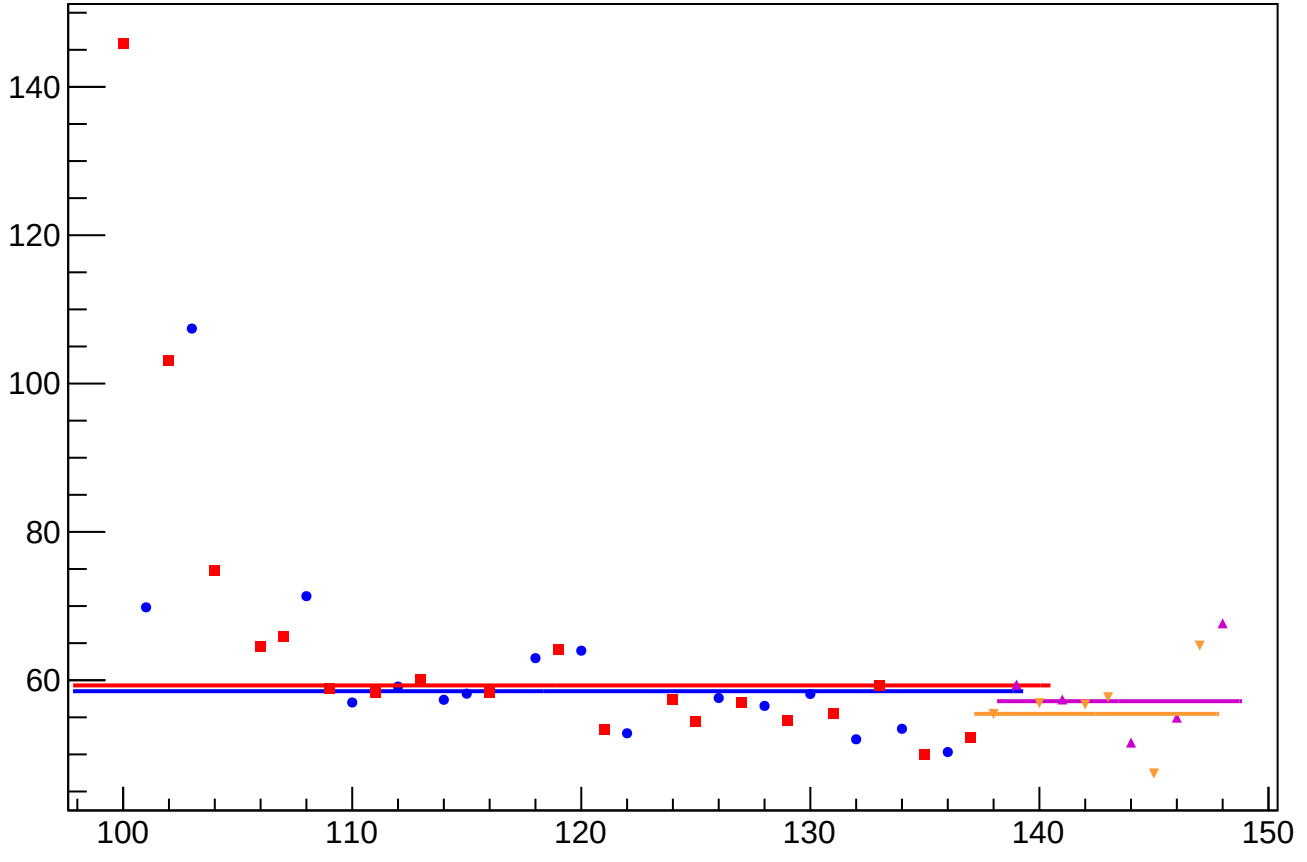
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -4.301+/-16.926 χ^2/NDF: 31.8/21

All: 13.844+/-12.080 χ^2/NDF: 76.9/45

- sign 32.680+/-17.246 χ^2/NDF: 42.7/23

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

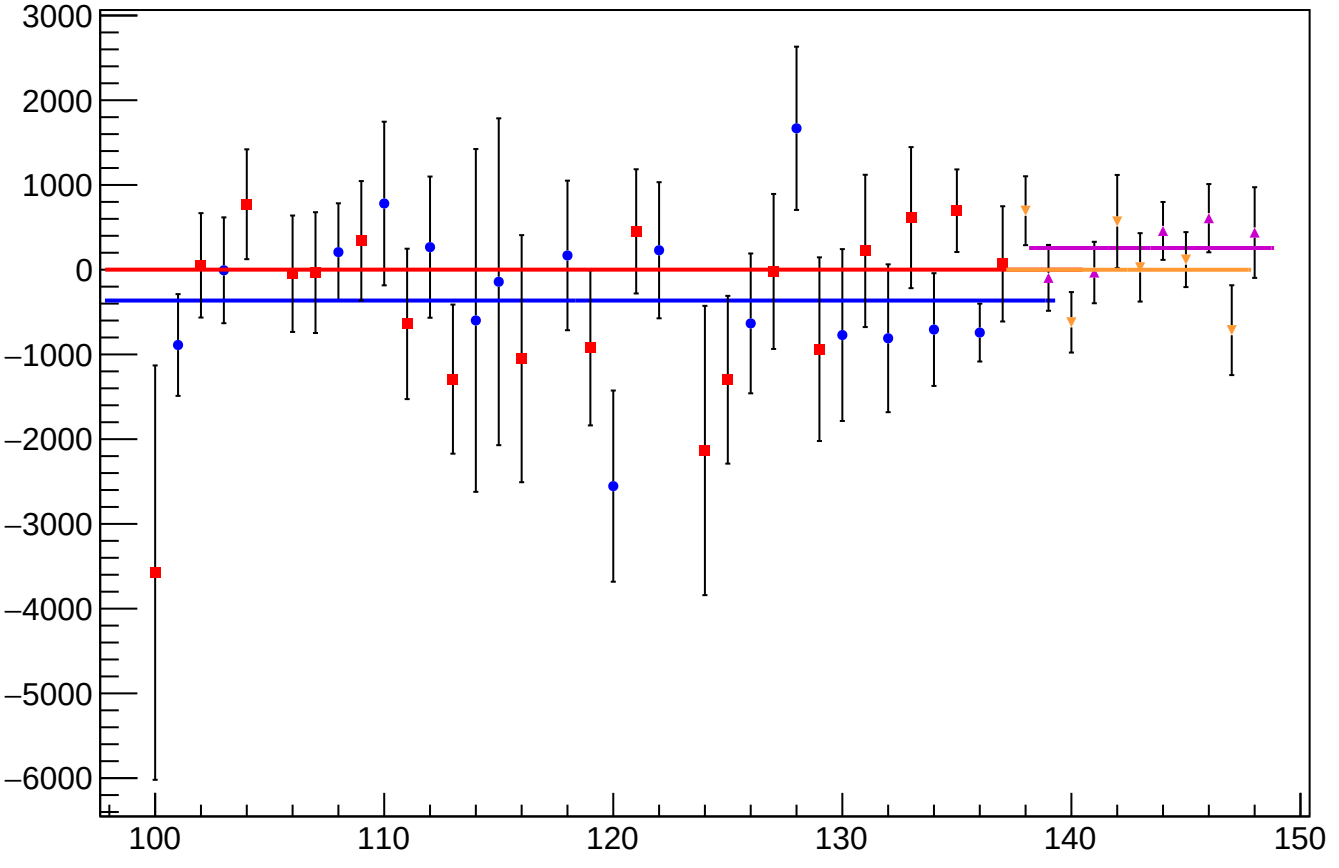
Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.253+/-0.012 χ^2/NDF: 492335.5/21

All: 57.848+/-0.009 χ^2/NDF: 977776.4/45

- sign 58.465+/-0.012 χ^2/NDF: 480405.1/23

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

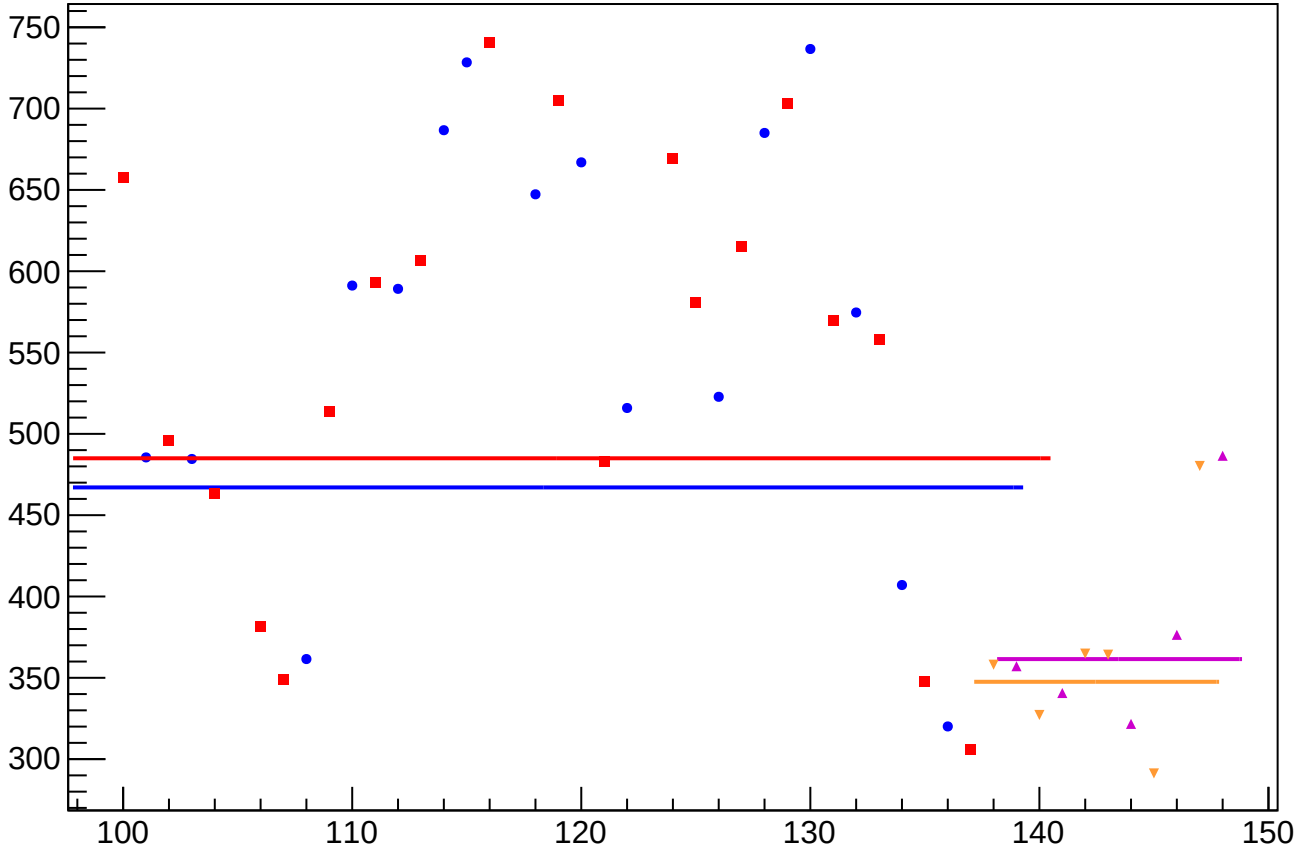
Left In: 255.951+/-175.524 χ^2/NDF:2.7/4

+ sign -166.868+/-122.111 χ^2/NDF: 26.4/21

All: -22.157+/-87.924 χ^2/NDF: 48.1/45

- sign 133.643+/-126.703 χ^2/NDF: 18.8/23

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

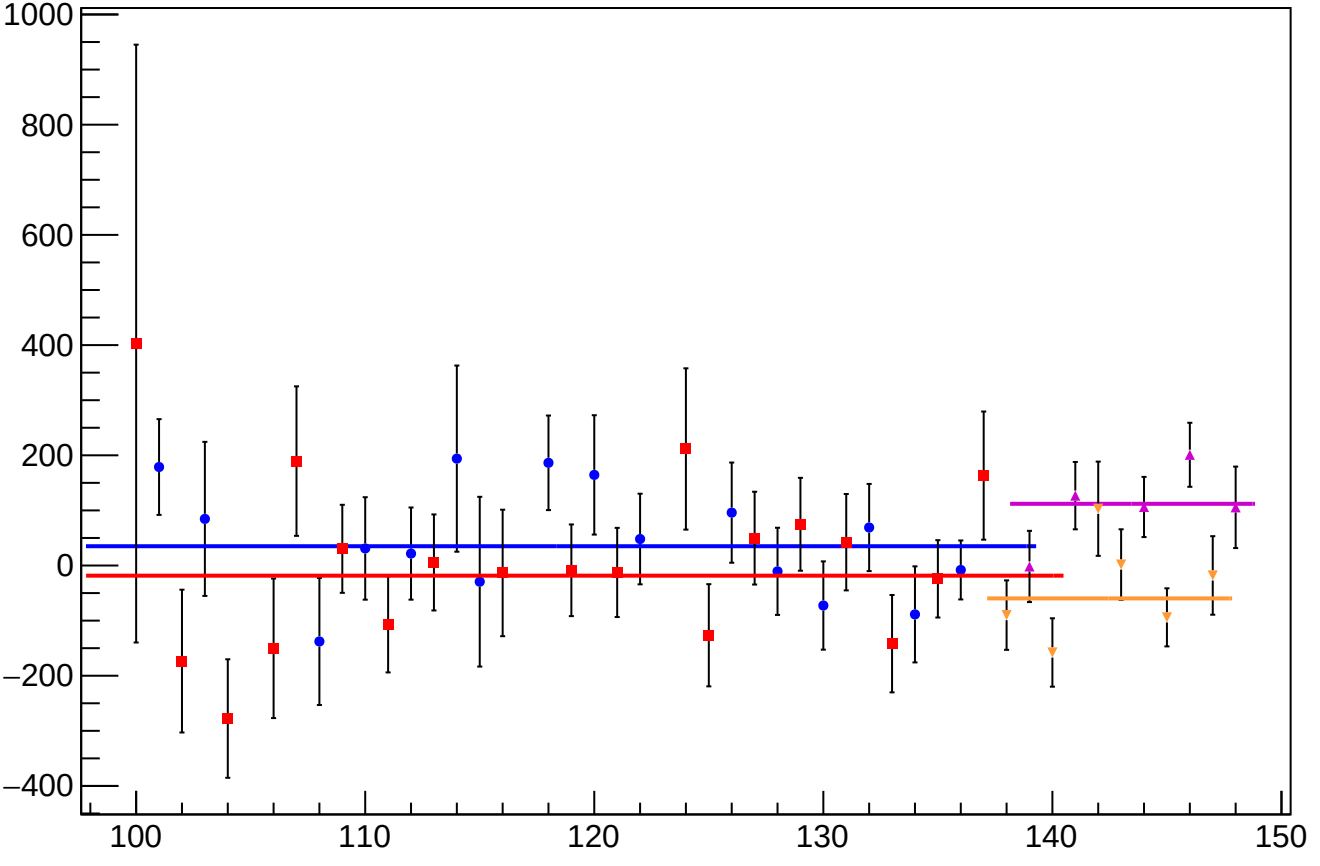
Left In: 361.508+/-0.124 χ^2/NDF:146005.8/4

\+ sign 402.188+/-0.086 χ^2/NDF: 1704736.2/21

All: 411.075+/-0.062 χ^2/NDF: 3220836.3/45

\- sign 420.642+/-0.090 χ^2/NDF: 1494103.8/23

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

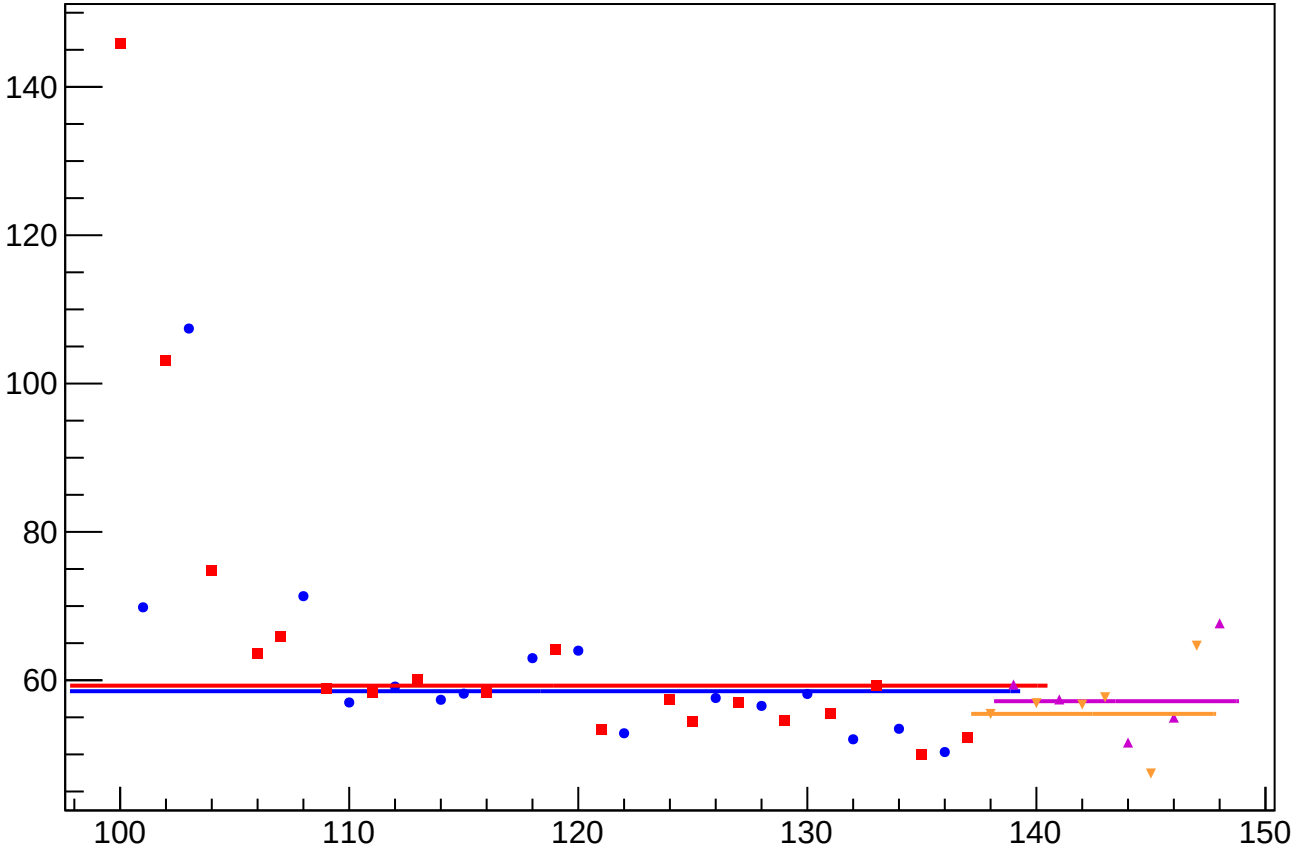
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -4.303+/-16.926 χ^2/NDF: 31.8/21

All: 13.928+/-12.081 χ^2/NDF: 76.7/45

- sign 32.858+/-17.248 χ^2/NDF: 42.5/23

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

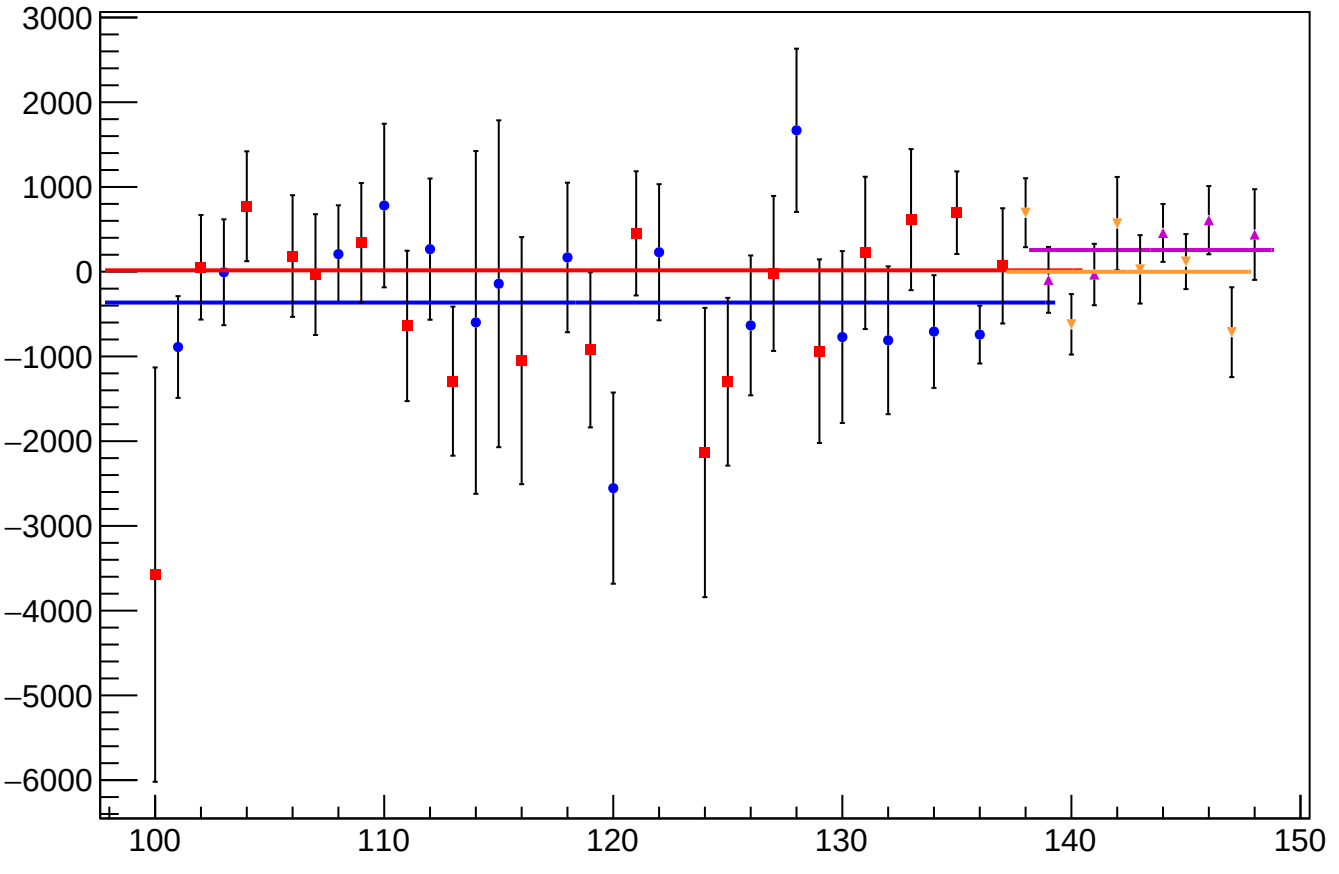
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.253+/-0.012 χ^2/NDF: 492337.6/21

All: 57.838+/-0.009 χ^2/NDF: 976405.5/45

- sign 58.446+/-0.012 χ^2/NDF: 479193.4/23



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

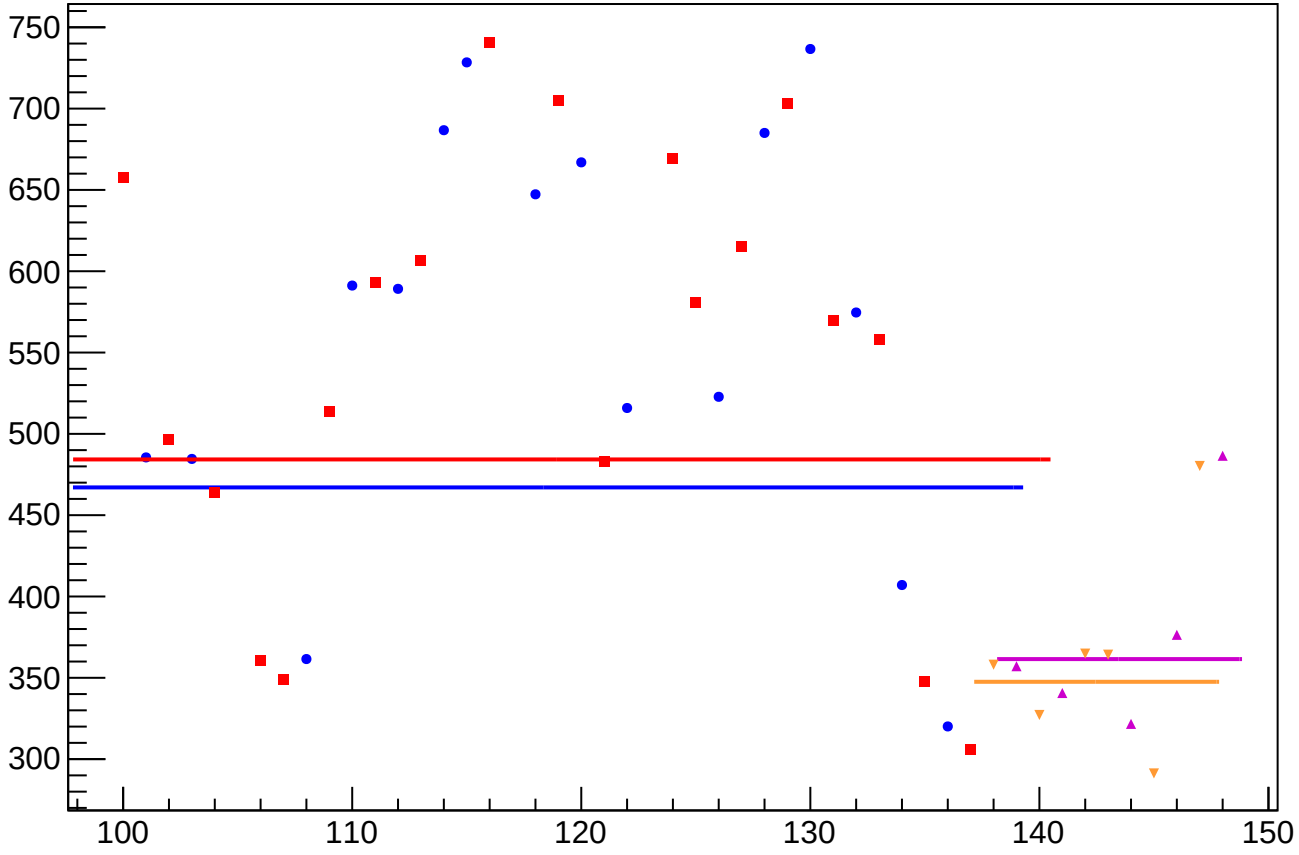
Left In: 255.948+/-175.524 χ^2/NDF:2.7/4

\+ sign -166.853+/-122.111 χ^2/NDF: 26.4/21

All: -18.620+/-87.986 χ^2/NDF: 48.2/45

\- sign 141.442+/-126.890 χ^2/NDF: 18.7/23

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

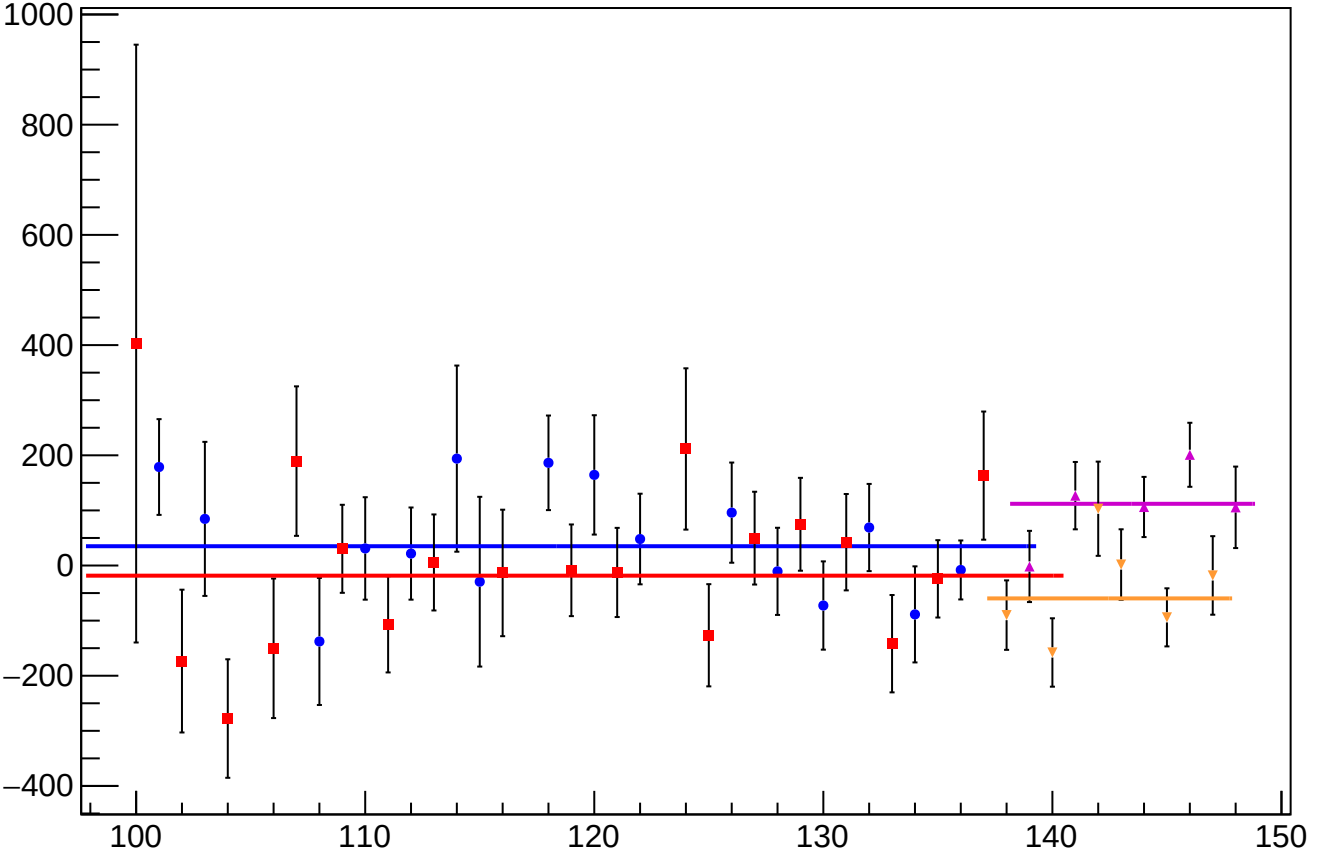
Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

\+ sign 402.189+/-0.086 χ^2/NDF: 1704757.6/21

All: 410.808+/-0.062 χ^2/NDF: 3227352.2/45

\- sign 420.115+/-0.090 χ^2/NDF: 1501872.4/23

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

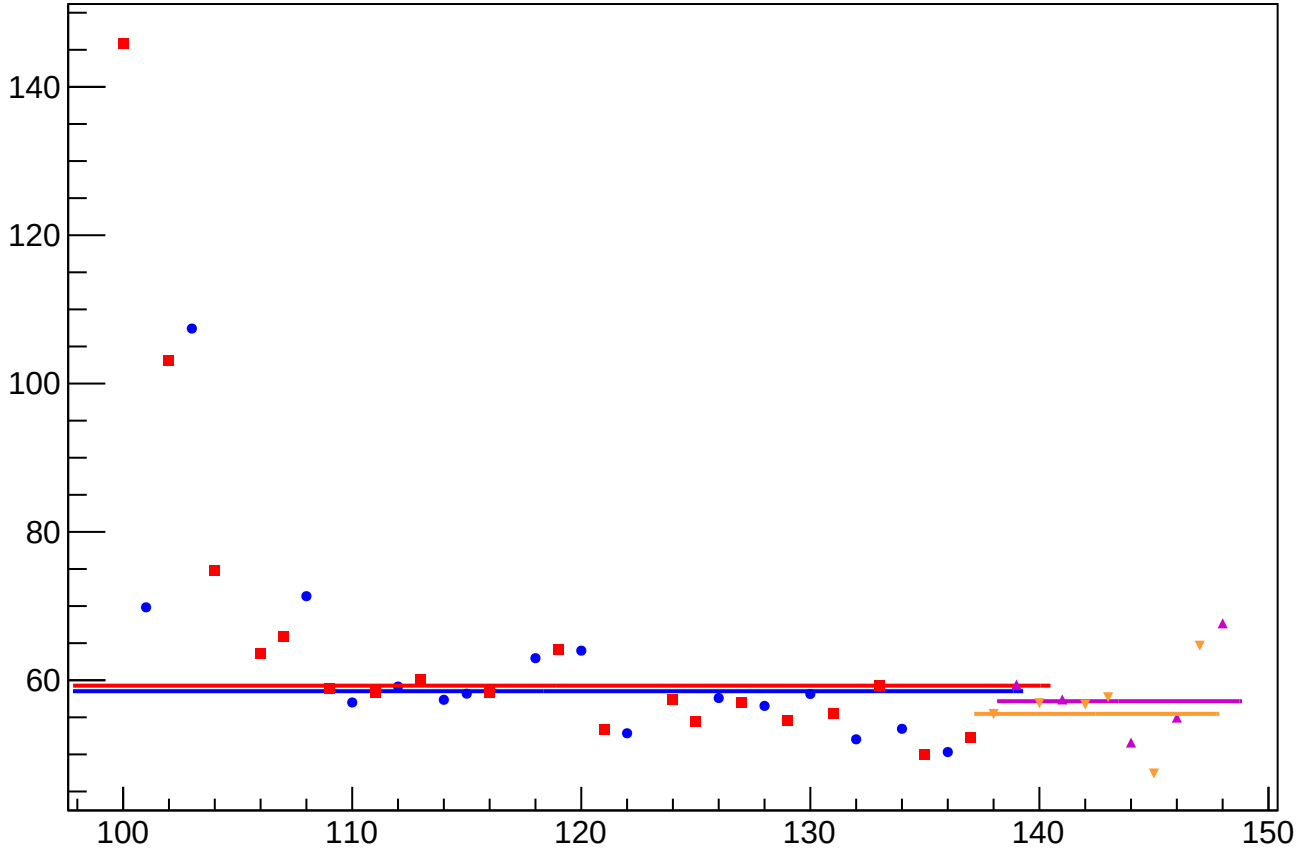
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -4.303+/-16.926 χ^2/NDF: 31.8/21

All: 13.928+/-12.081 χ^2/NDF: 76.7/45

- sign 32.858+/-17.248 χ^2/NDF: 42.5/23

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

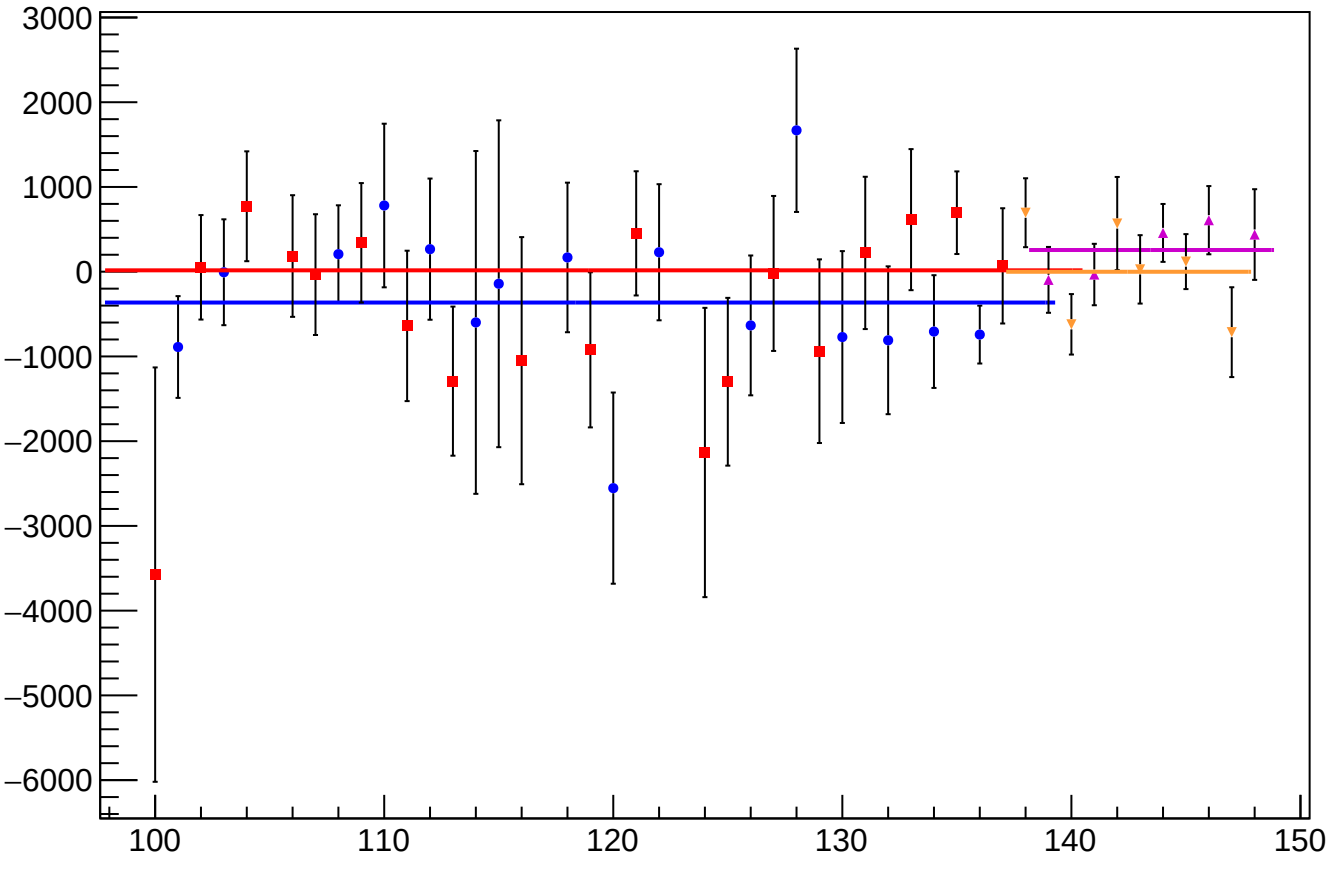
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.253+/-0.012 χ^2/NDF: 492337.6/21

All: 57.838+/-0.009 χ^2/NDF: 976405.5/45

- sign 58.446+/-0.012 χ^2/NDF: 479193.4/23



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -0.790+/-165.737 χ^2/NDF:9.0/5

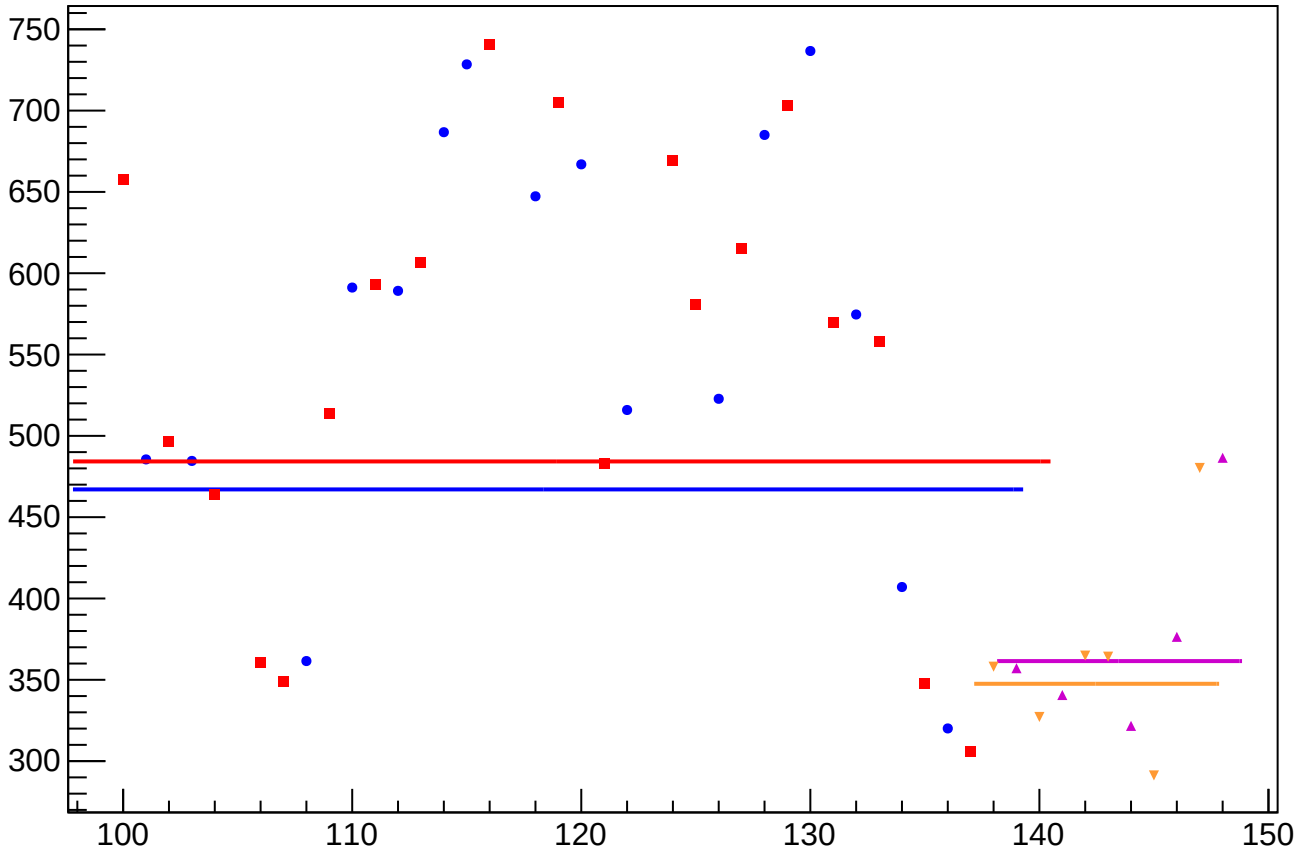
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 255.948+/-175.524 χ^2/NDF:2.7/4

\+ sign -166.853+/-122.111 χ^2/NDF: 26.4/21

All: -18.620+/-87.986 χ^2/NDF: 48.2/45

\- sign 141.442+/-126.890 χ^2/NDF: 18.7/23



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

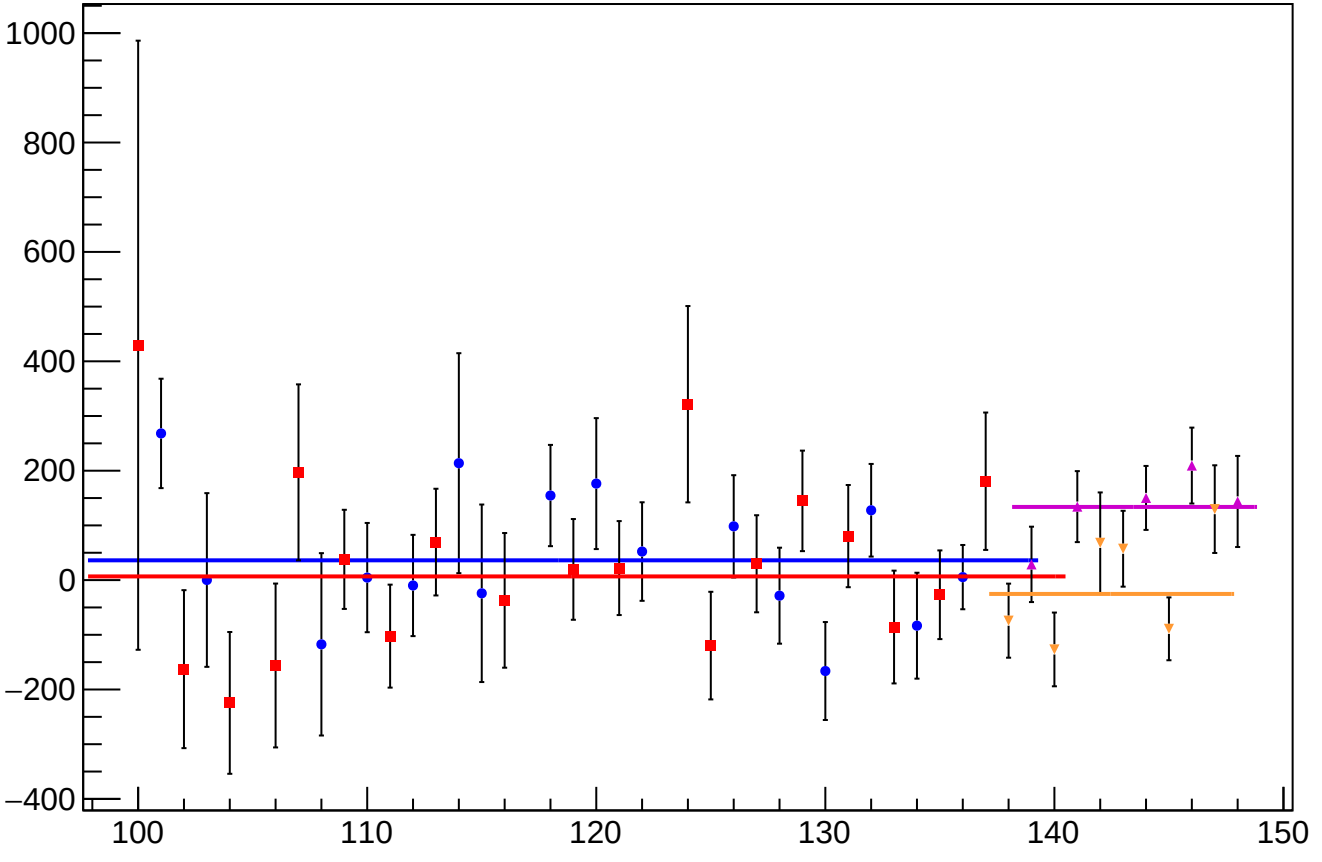
Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

+ sign 402.189+/-0.086 χ^2/NDF: 1704757.6/21

All: 410.808+/-0.062 χ^2/NDF: 3227352.2/45

- sign 420.115+/-0.090 χ^2/NDF: 1501872.4/23

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

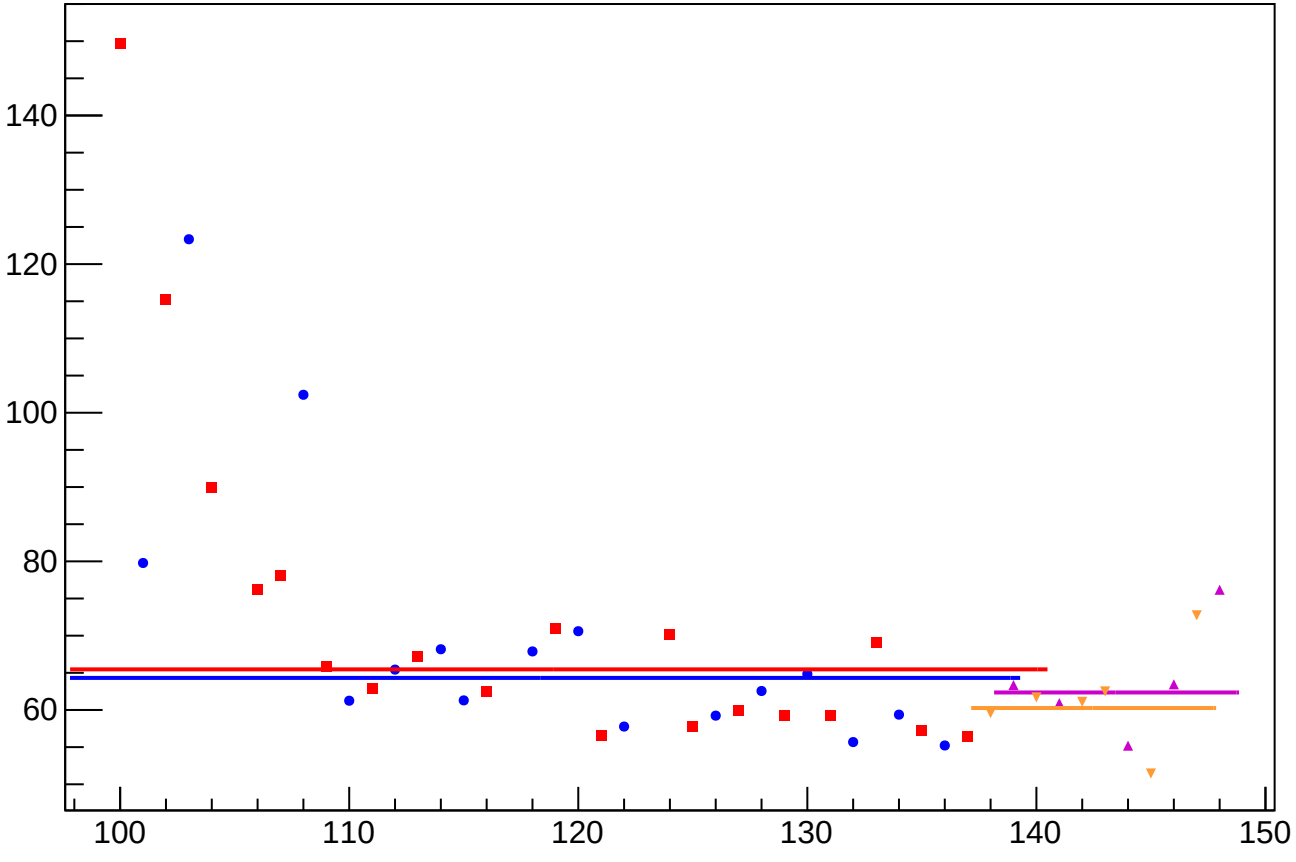
Left In: 133.761+/-30.255 χ^2/NDF:3.6/4

\+ sign 10.180+/-18.593 χ^2/NDF: 32.5/21

All: 33.095+/-13.313 χ^2/NDF: 70.2/45

\- sign 57.203+/-19.071 χ^2/NDF: 34.6/23

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

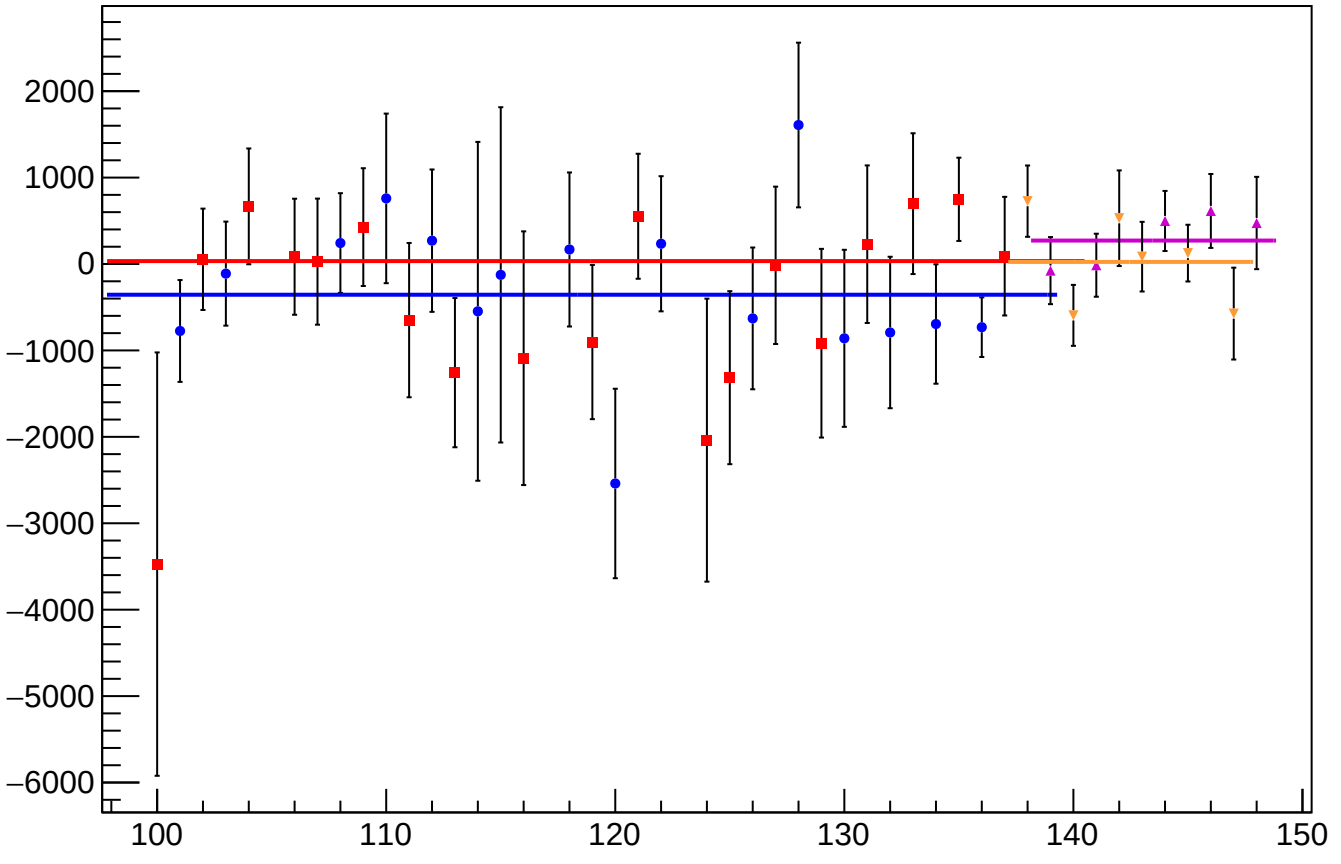
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.356+/-0.021 χ^2/NDF:86942.9/4

+ sign 62.603+/-0.013 χ^2/NDF: 654127.8/21

All: 63.396+/-0.009 χ^2/NDF: 1243633.0/45

- sign 64.231+/-0.013 χ^2/NDF: 582037.4/23



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

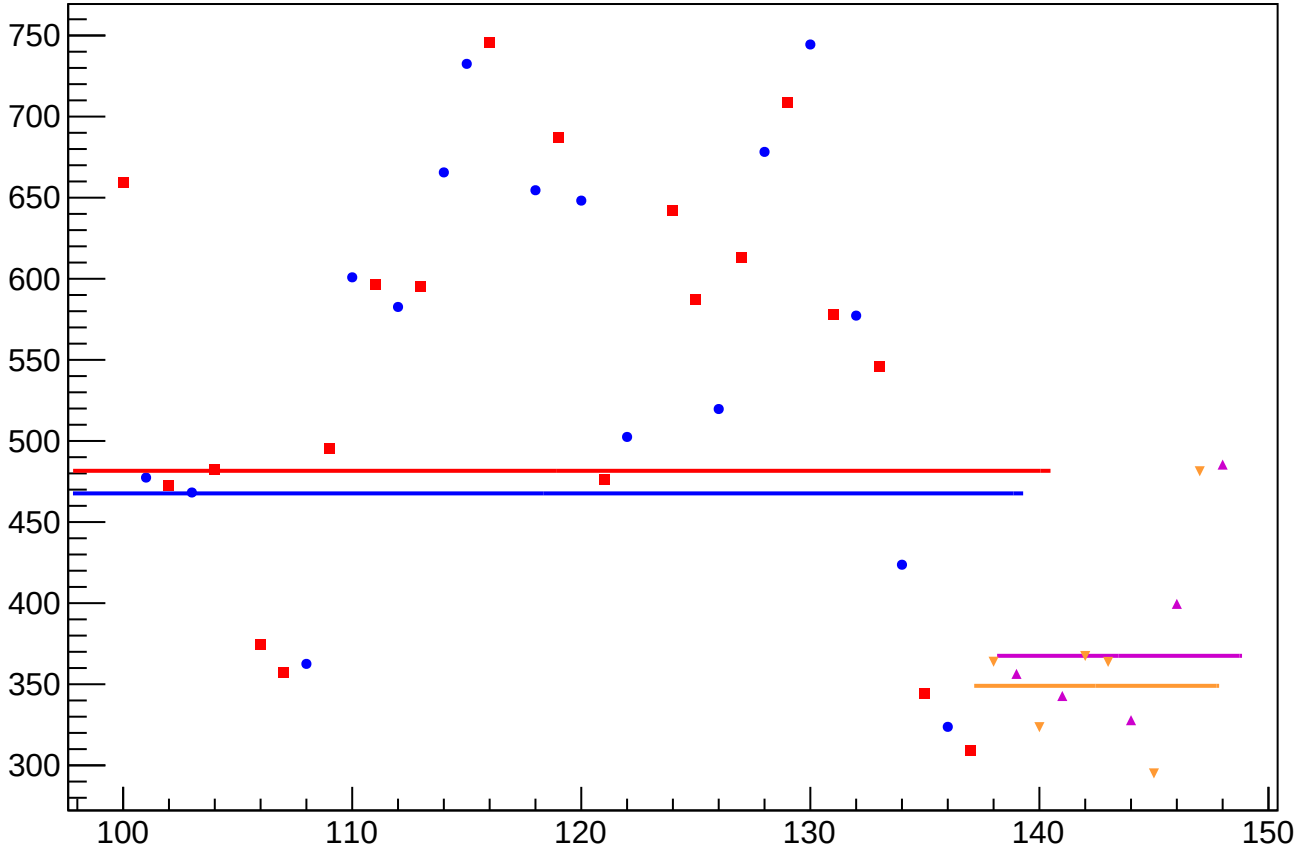
Left In: 271.376+/-178.464 χ^2/NDF:2.6/4

+ sign -150.225+/-122.259 χ^2/NDF: 25.4/21

All: -3.924+/-88.170 χ^2/NDF: 47.3/45

- sign 154.624+/-127.274 χ^2/NDF: 18.9/23

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

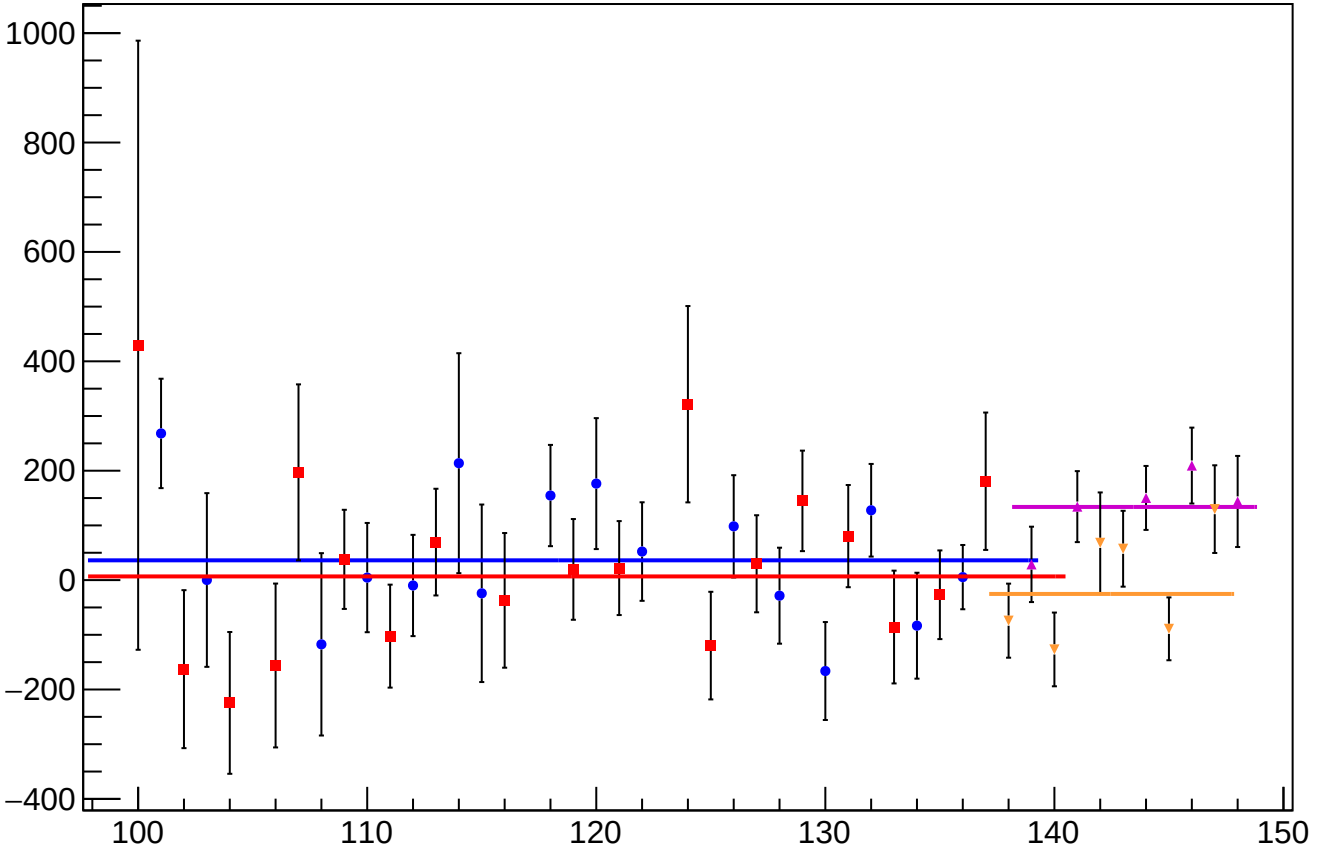
Left In: 367.533+/-0.126 χ^2/NDF:145572.9/4

+ sign 403.562+/-0.086 χ^2/NDF: 1649702.6/21

All: 413.171+/-0.062 χ^2/NDF: 3076797.3/45

- sign 423.585+/-0.090 χ^2/NDF: 1401350.0/23

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

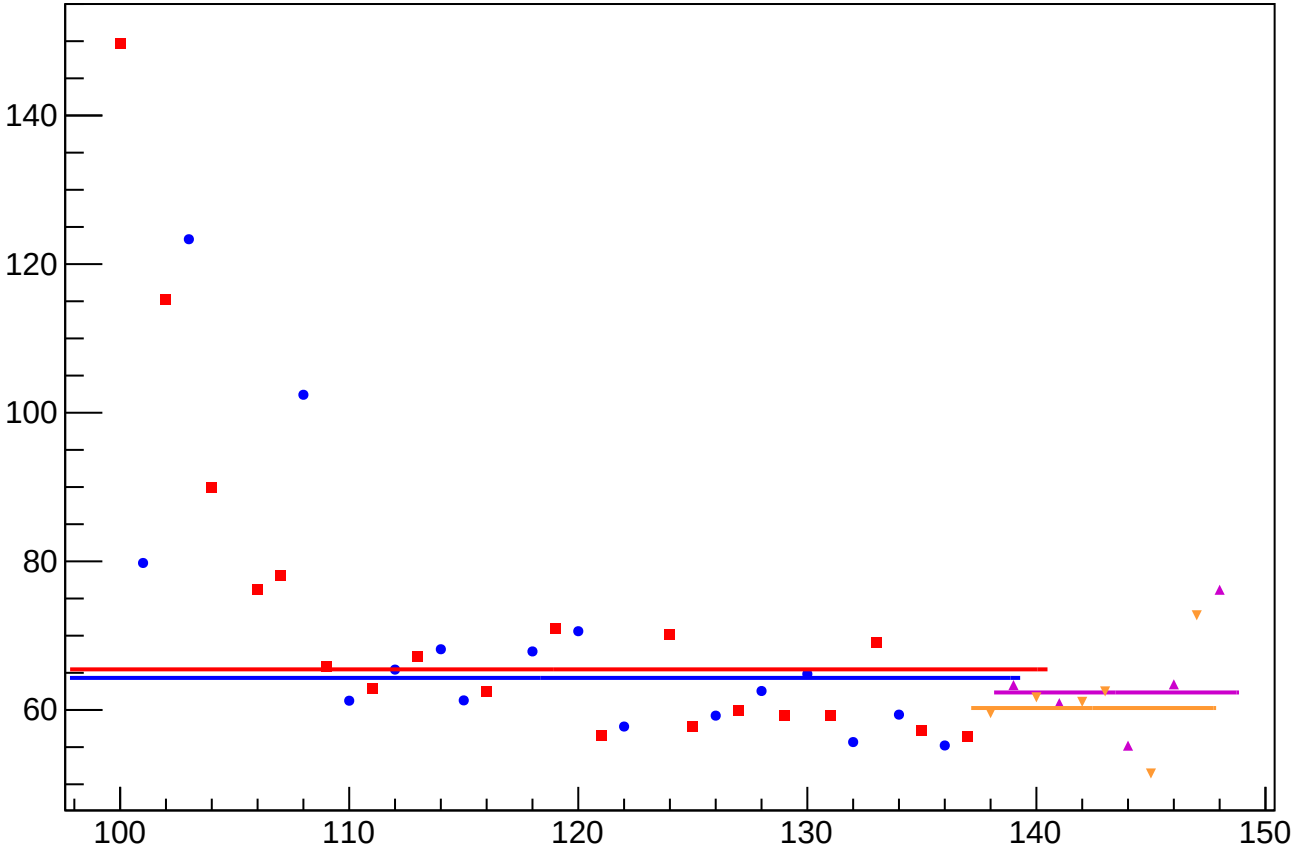
Left In: 133.761+/-30.256 χ^2/NDF:3.6/4

+ sign 10.181+/-18.593 χ^2/NDF: 32.5/21

All: 33.096+/-13.313 χ^2/NDF: 70.2/45

- sign 57.203+/-19.071 χ^2/NDF: 34.6/23

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

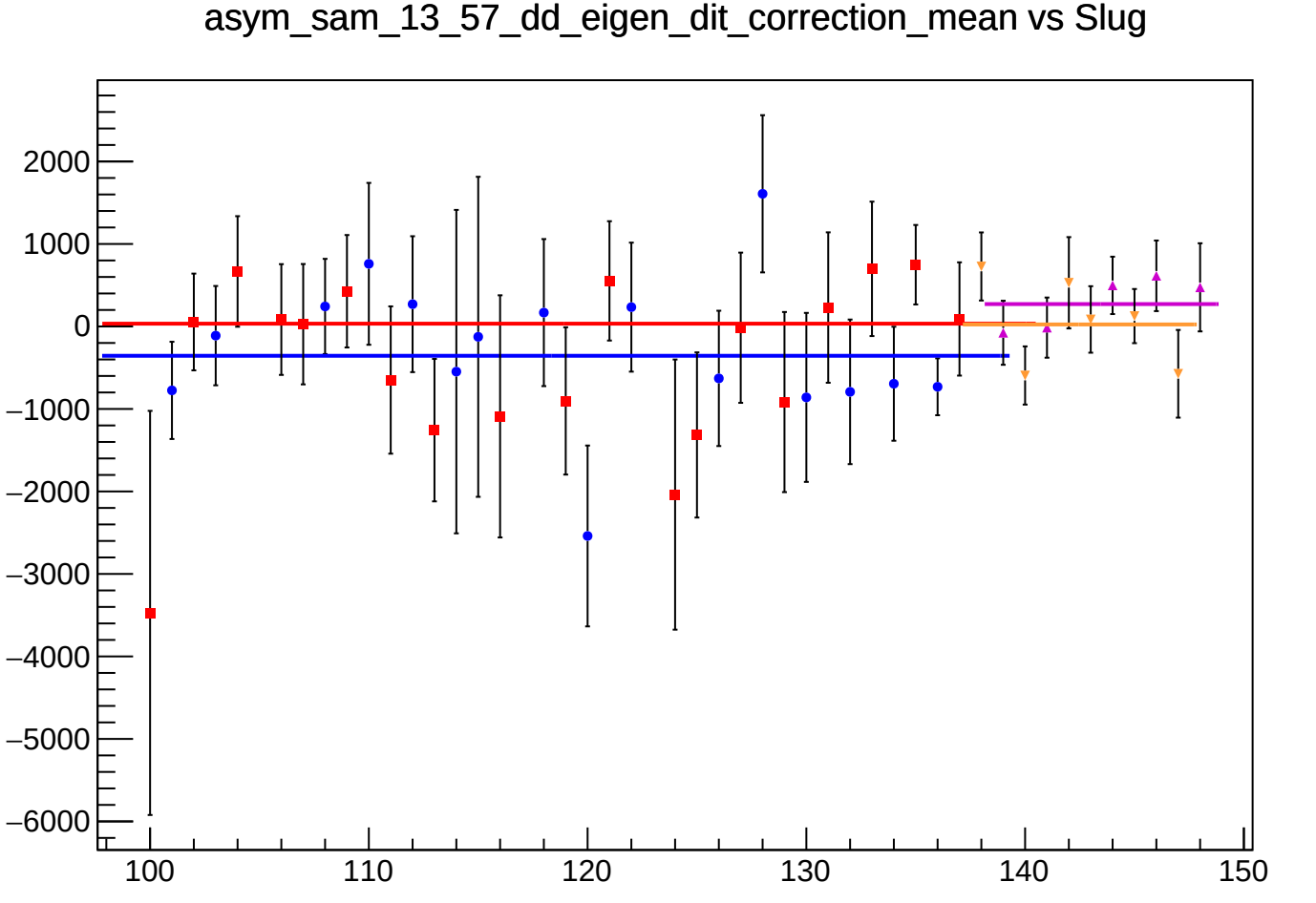
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.356+/-0.021 χ^2/NDF:86945.0/4

+ sign 62.603+/-0.013 χ^2/NDF: 654136.8/21

All: 63.396+/-0.009 χ^2/NDF: 1243648.9/45

- sign 64.231+/-0.013 χ^2/NDF: 582044.3/23



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

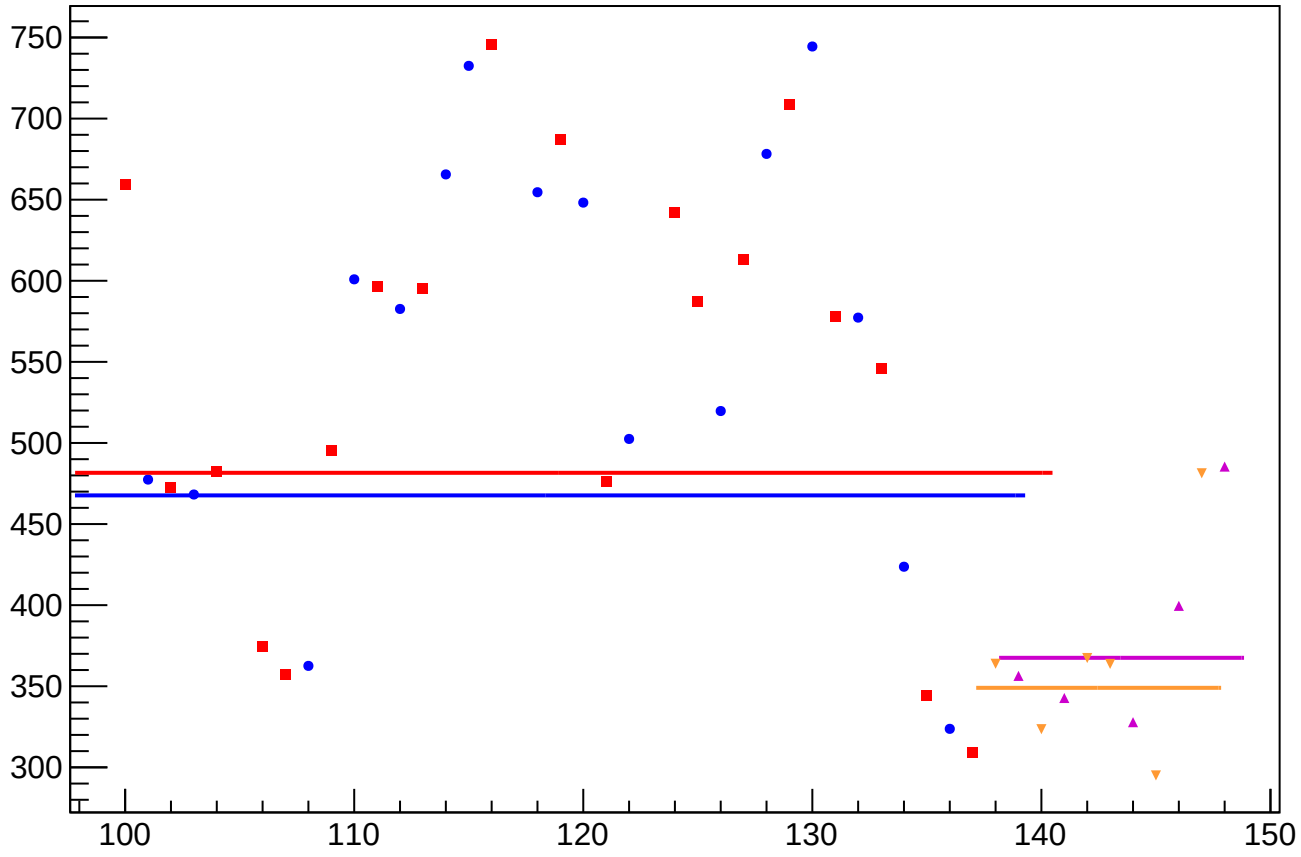
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 271.377+/-178.464 χ^2/NDF:2.6/4

\+ sign -150.225+/-122.259 χ^2/NDF: 25.4/21

All: -3.924+/-88.170 χ^2/NDF: 47.3/45

\- sign 154.625+/-127.274 χ^2/NDF: 18.9/23



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

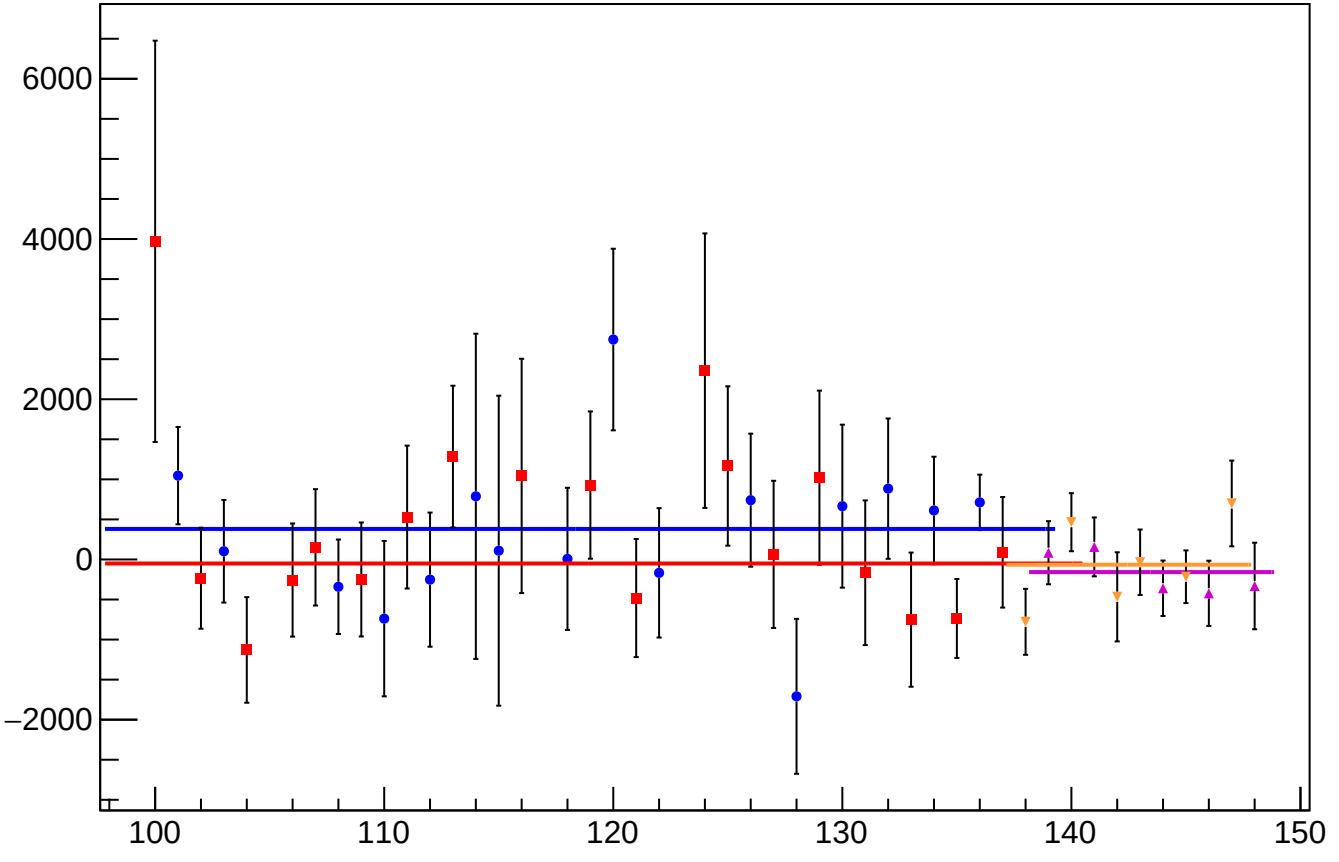
Left In: 367.533+/-0.126 χ^2/NDF:145572.6/4

+ sign 403.562+/-0.086 χ^2/NDF: 1649698.8/21

All: 413.171+/-0.062 χ^2/NDF: 3076784.6/45

- sign 423.585+/-0.090 χ^2/NDF: 1401341.0/23

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

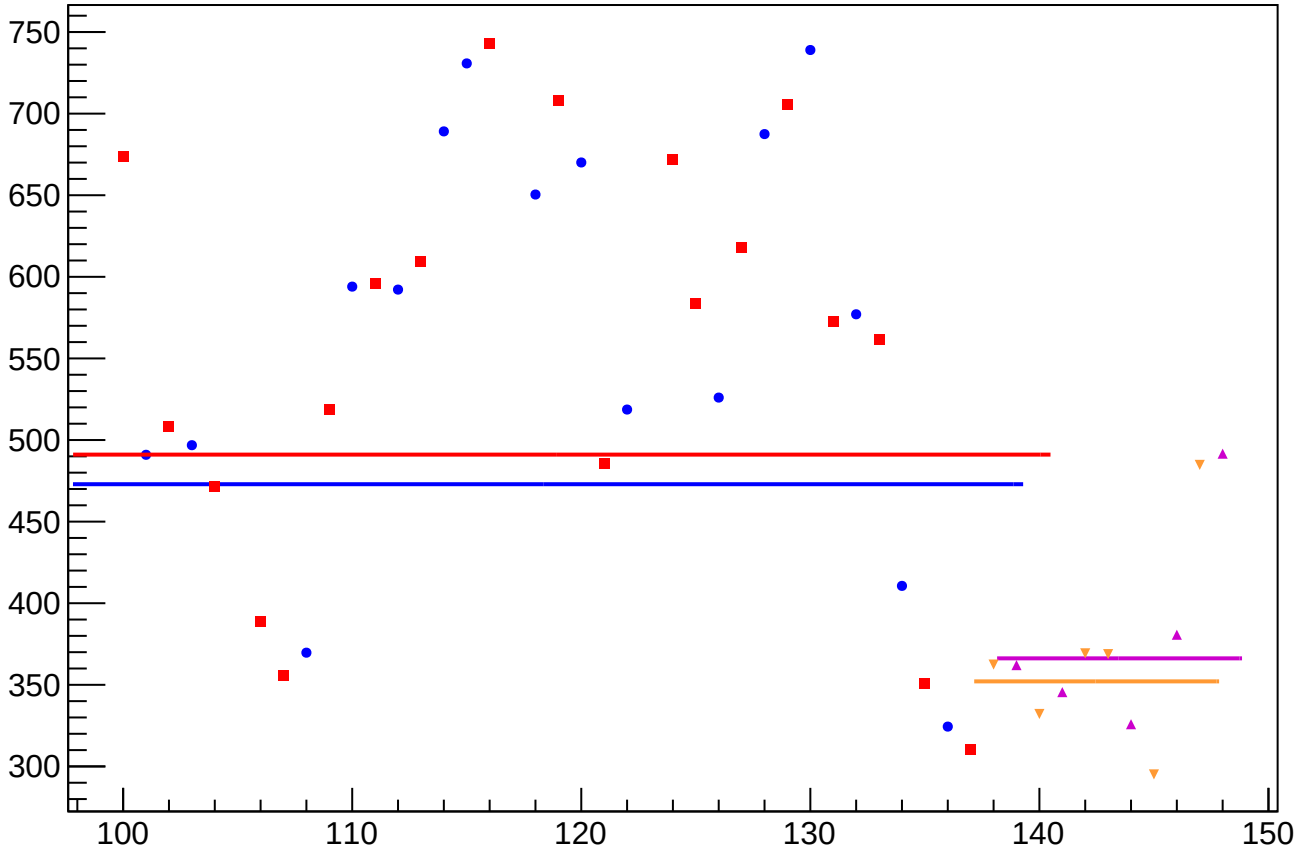
Left In: -157.539+/-177.761 χ^2/NDF:2.0/4

+ sign 139.029+/-123.600 χ^2/NDF: 27.3/21

All: 20.966+/-89.002 χ^2/NDF: 48.8/45

- sign -106.179+/-128.266 χ^2/NDF: 19.6/23

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

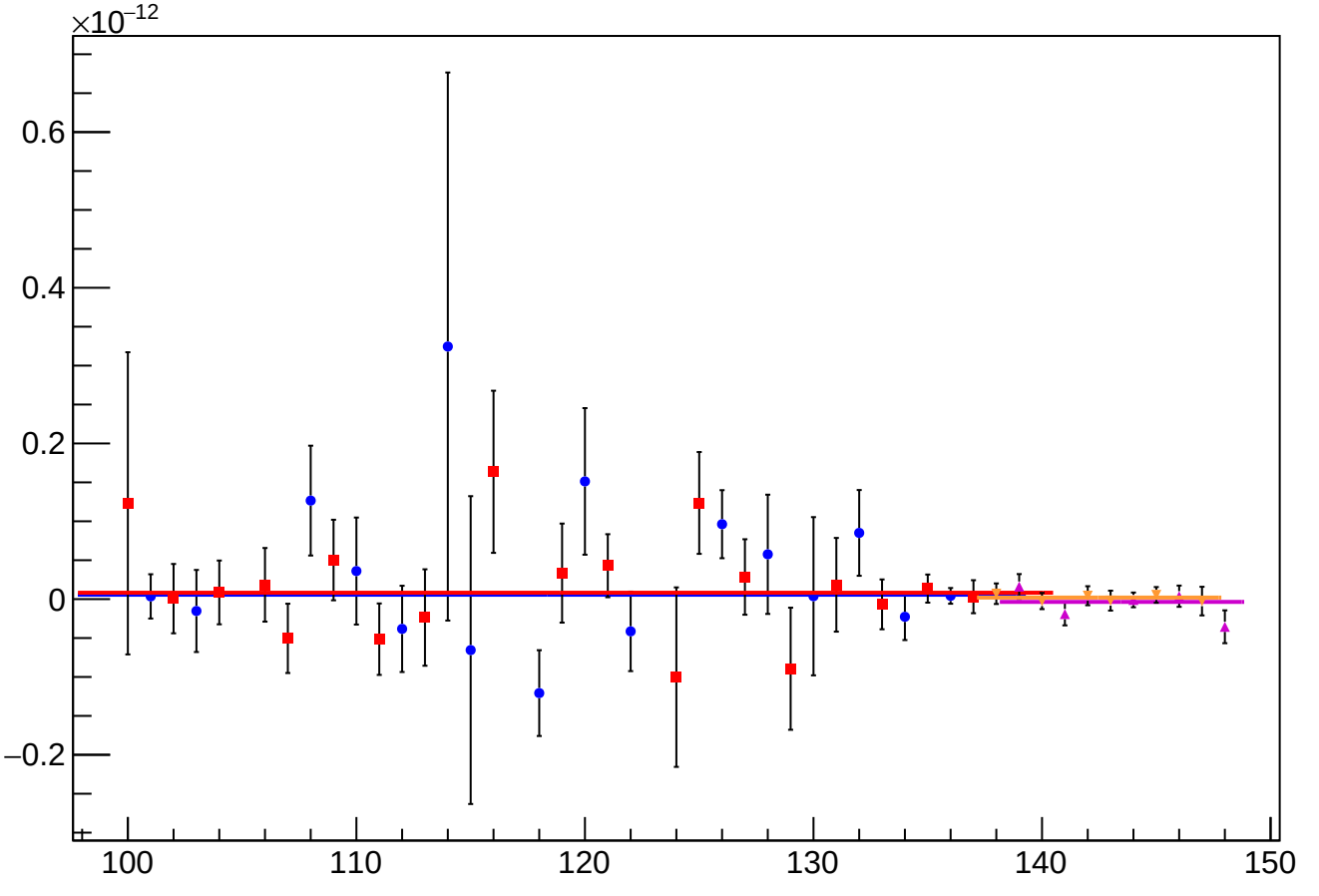
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 366.217+/-0.126 χ^2/NDF:143972.7/4

\+ sign 407.431+/-0.087 χ^2/NDF: 1670301.1/21

All: 416.401+/-0.063 χ^2/NDF: 3156530.1/45

\- sign 426.062+/-0.091 χ^2/NDF: 1464348.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/5

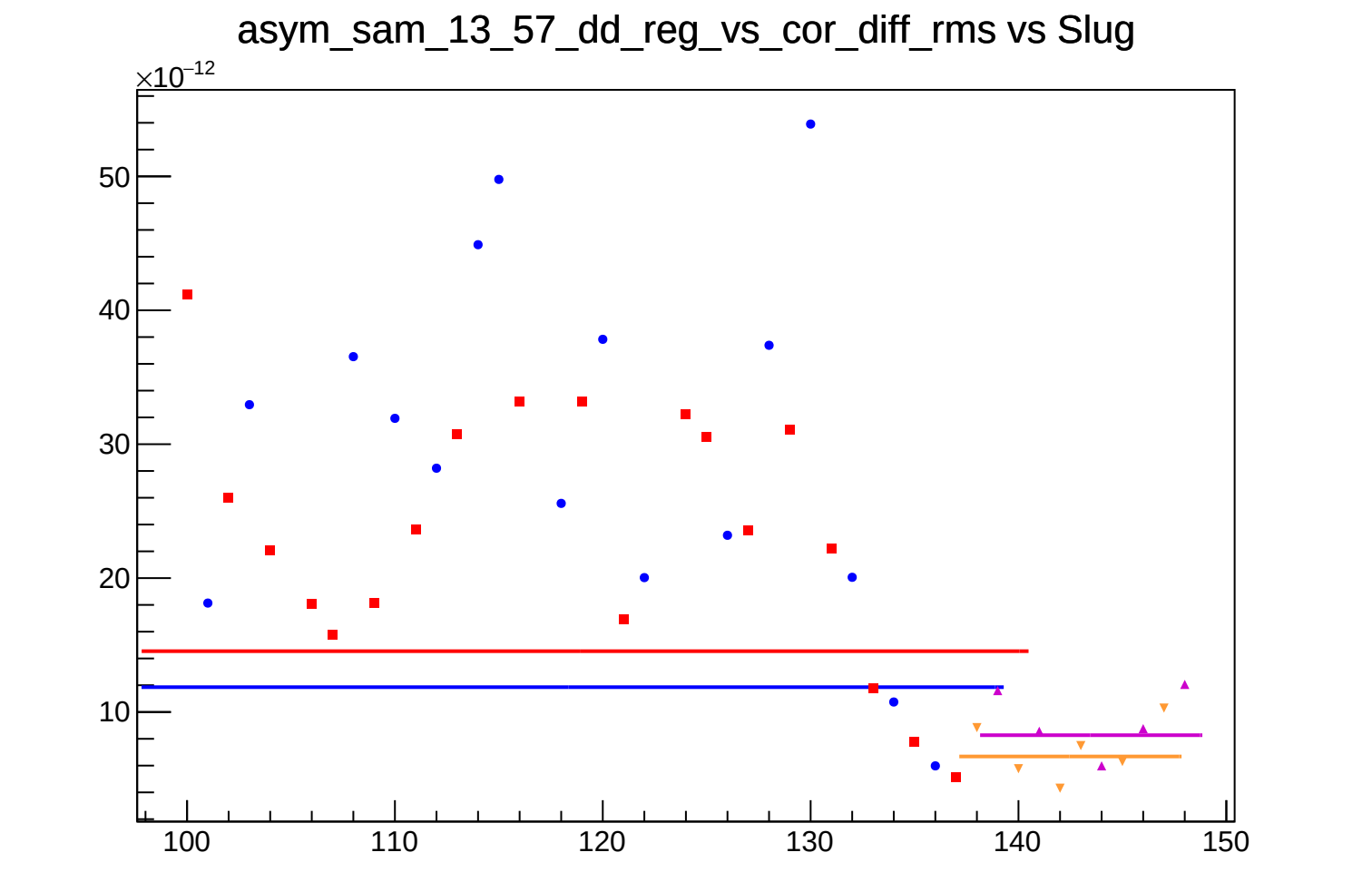
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/21

All: 0.000+/-0.000 χ^2/NDF: 42.6/45

- sign -0.000+/-0.000 χ^2/NDF: 20.4/23



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

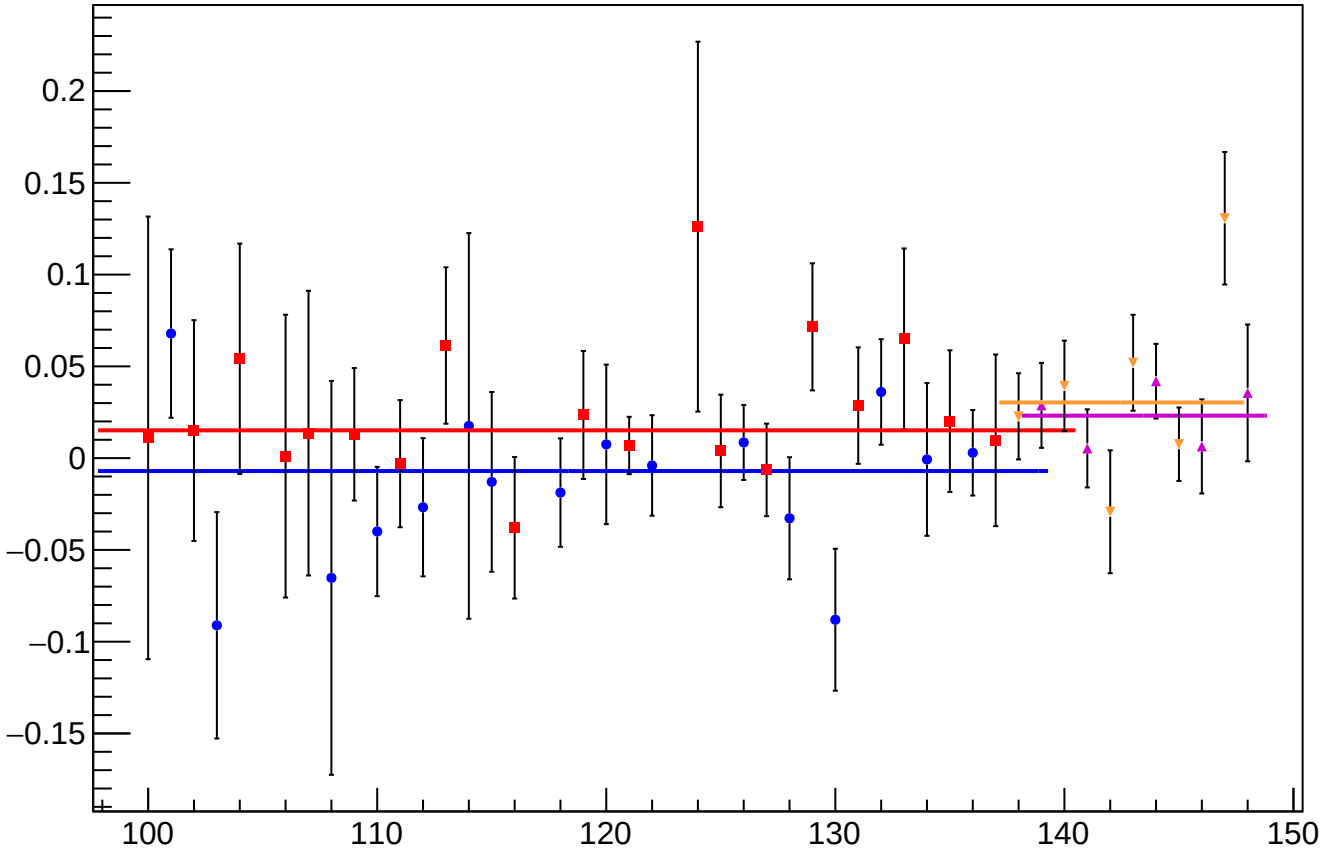
Left In: 0.000+/-0.000 χ^2/NDF:271483.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3673175.9/21

All: 0.000+/-0.000 χ^2/NDF: 6546361.5/45

- sign 0.000+/-0.000 χ^2/NDF: 2682157.4/23

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

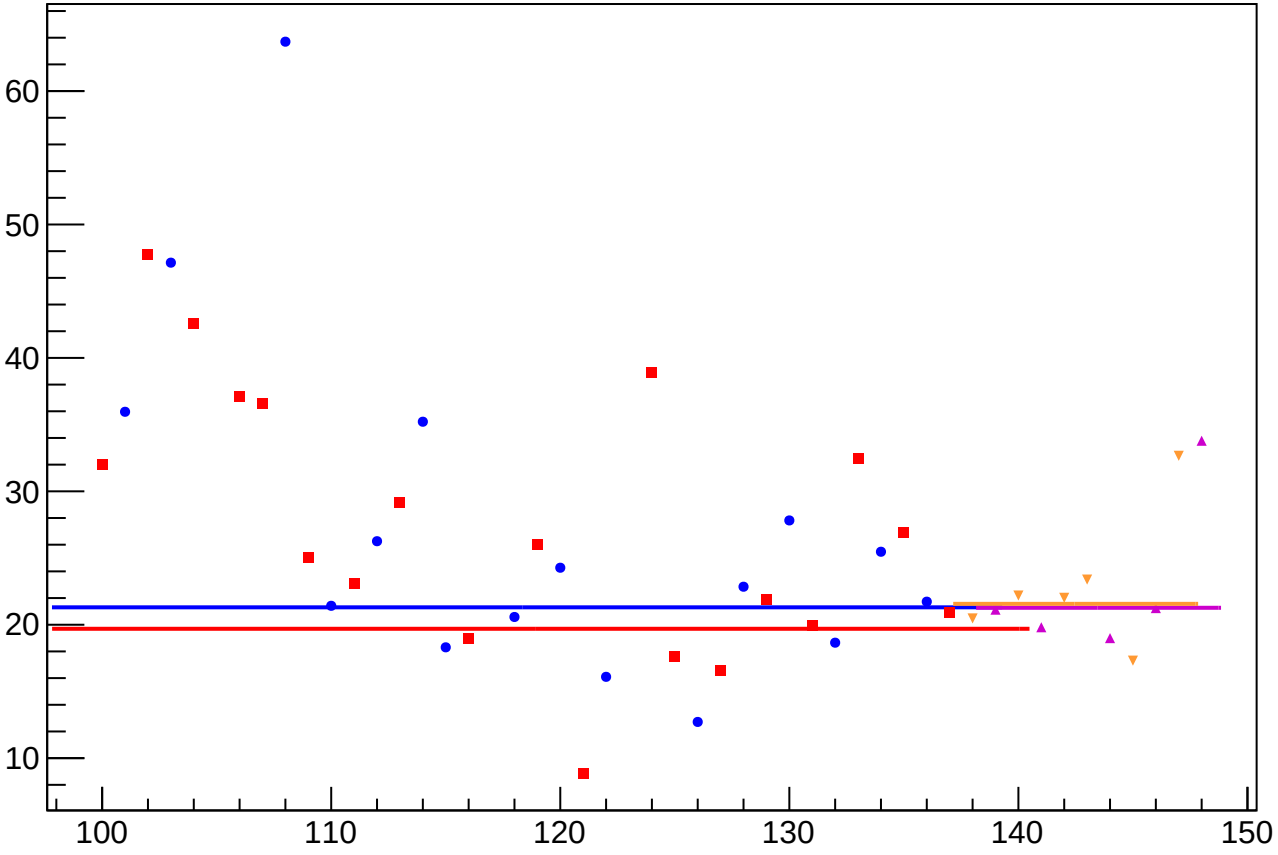
Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.8/45

- sign 0.018+/-0.007 χ^2/NDF: 12.6/23

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

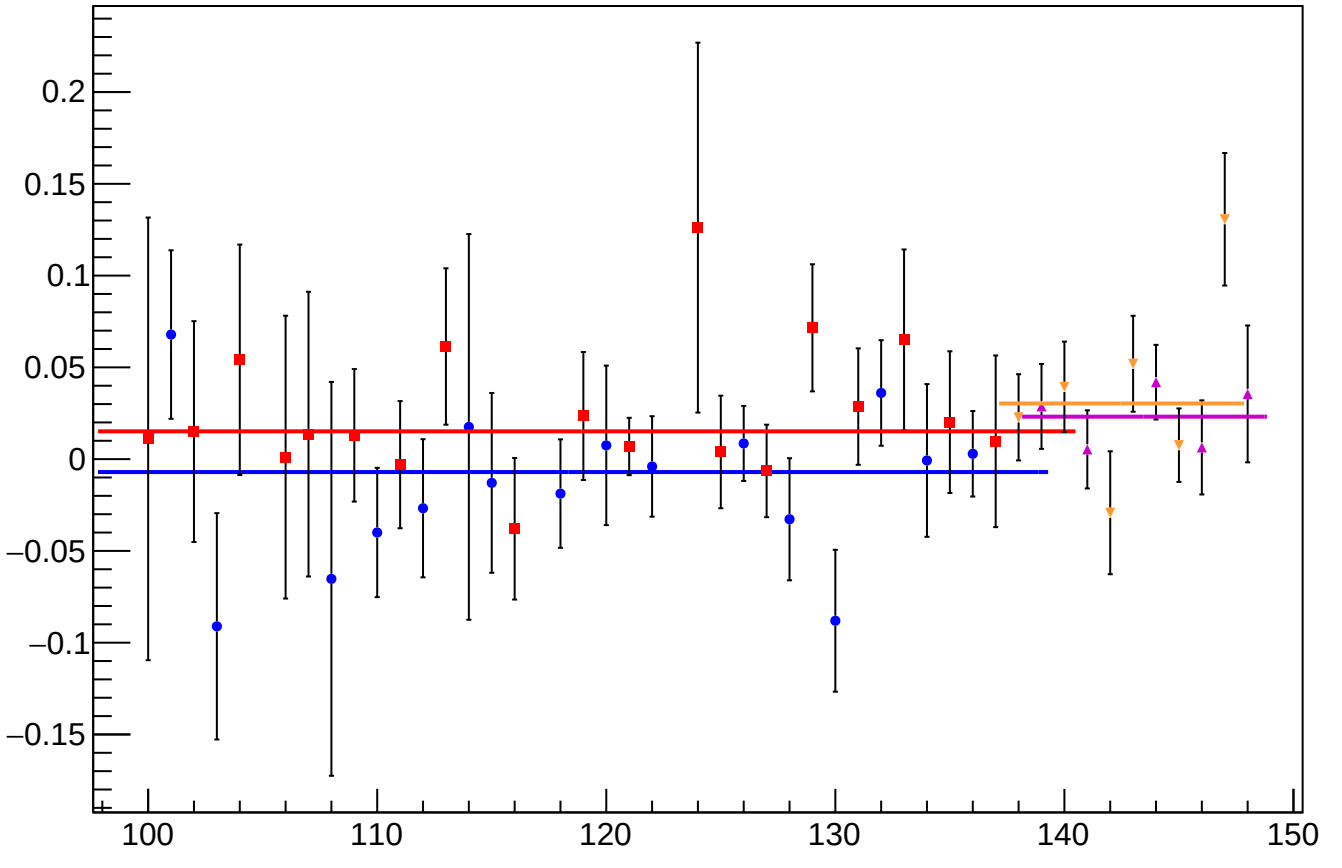
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

+ sign 21.410+/-0.005 χ^2/NDF: 1775212.9/21

All: 20.834+/-0.003 χ^2/NDF: 4530845.5/45

- sign 20.281+/-0.005 χ^2/NDF: 2726306.6/23



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

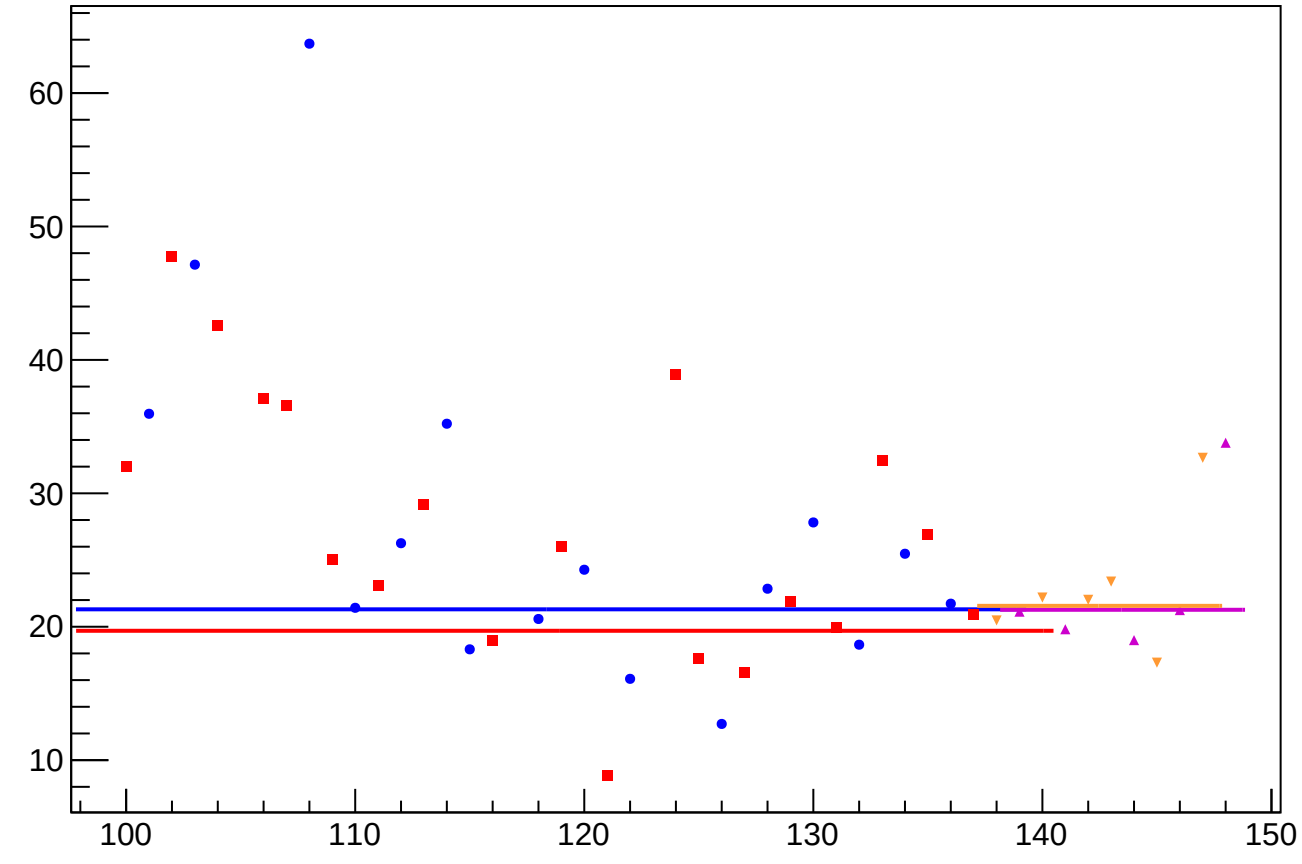
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.8/45

- sign 0.018+/-0.007 χ^2/NDF: 12.6/23



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.566+/-0.007 χ^2/NDF:295078.4/5

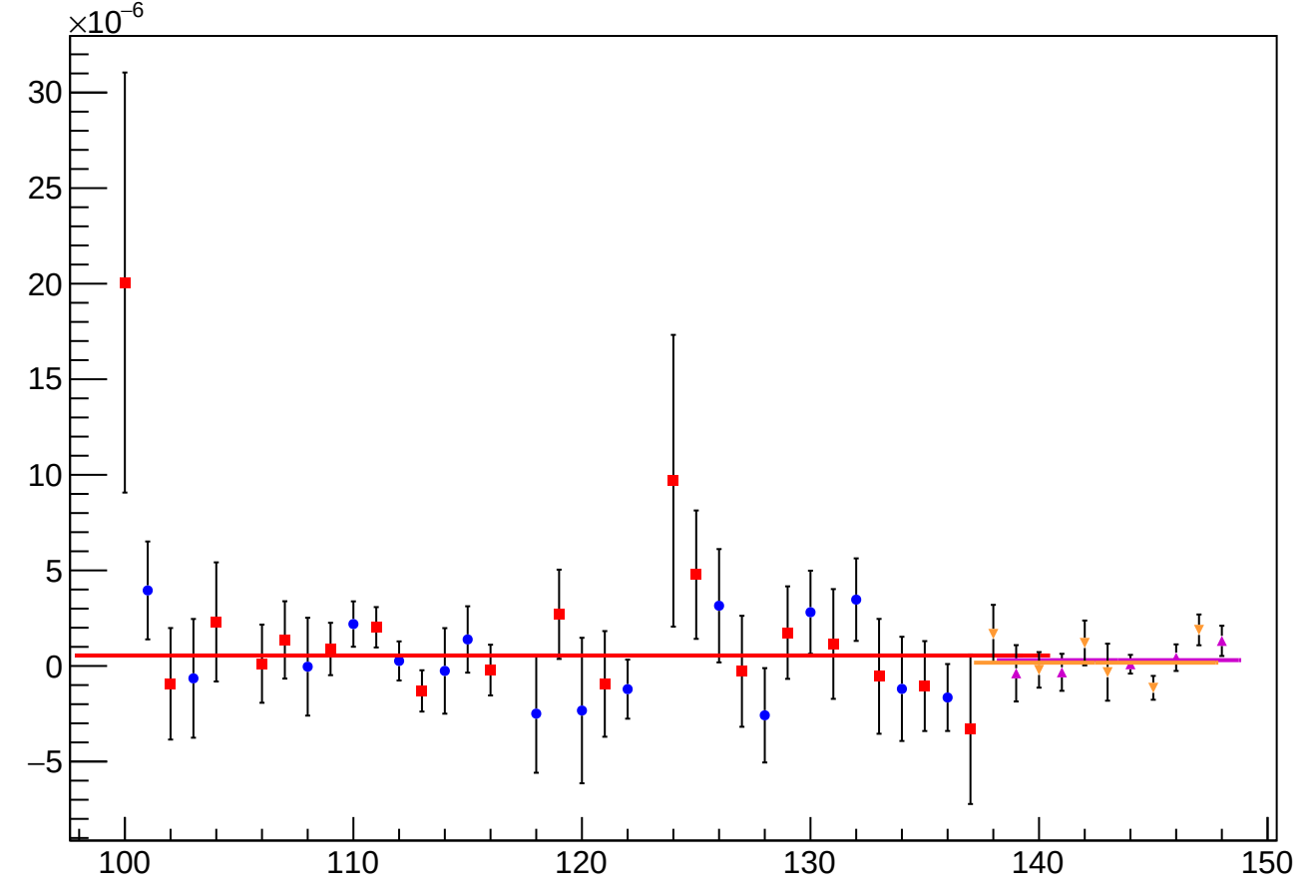
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

+ sign 21.410+/-0.005 χ^2/NDF: 1775212.9/21

All: 20.834+/-0.003 χ^2/NDF: 4530845.5/45

- sign 20.281+/-0.005 χ^2/NDF: 2726306.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/5

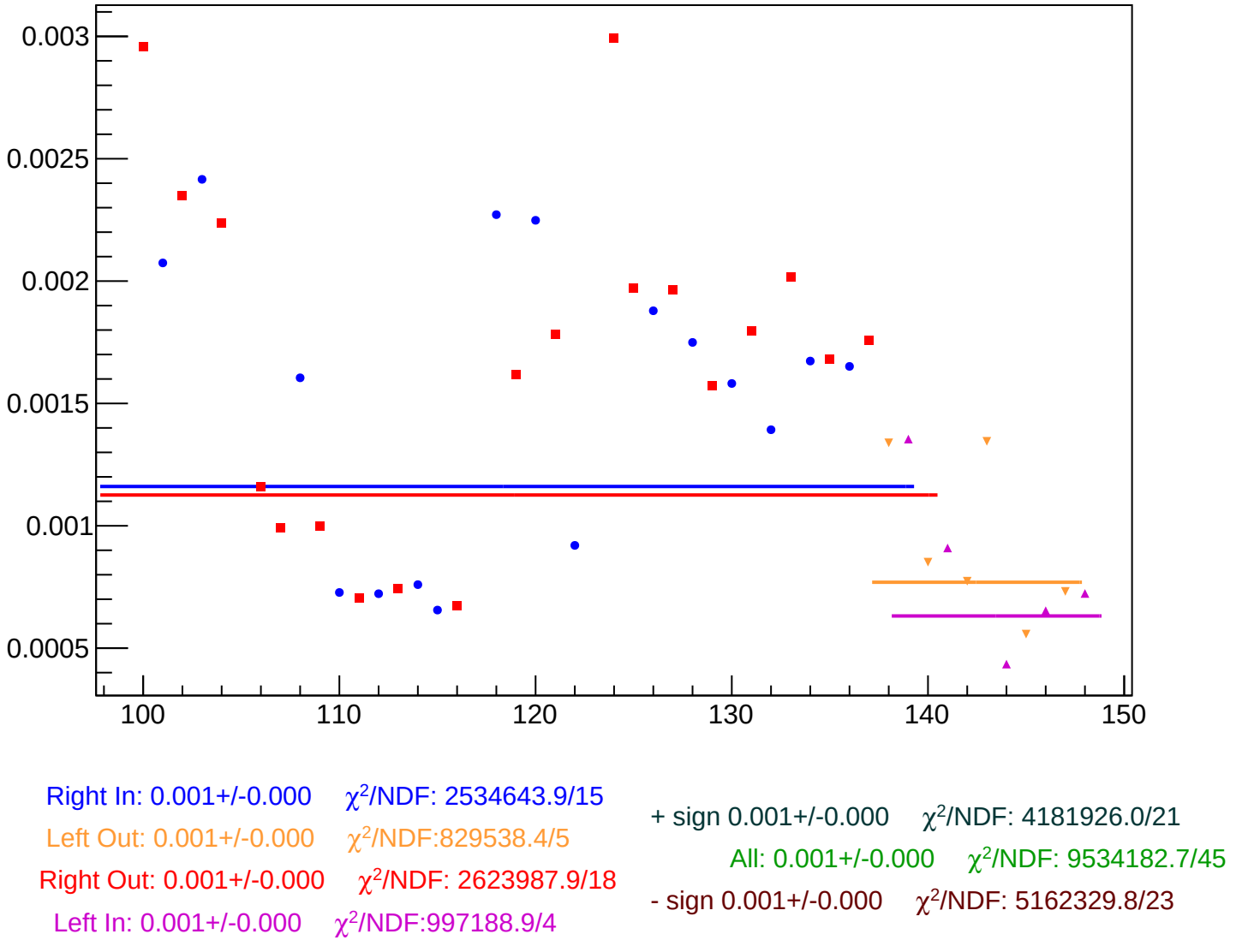
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

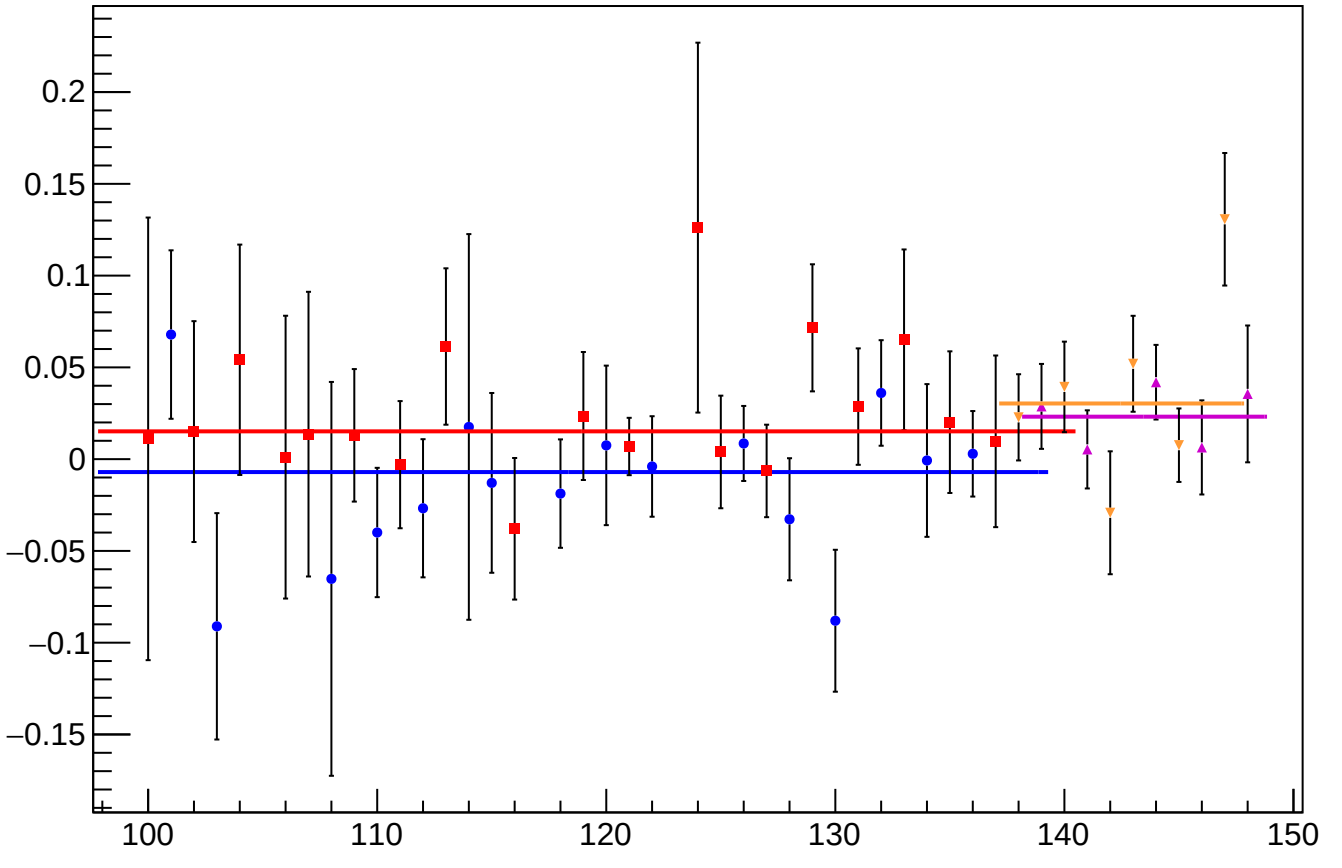
Left In: 0.000+/-0.000 χ^2/NDF:2.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 43.9/45

- sign 0.000+/-0.000 χ^2/NDF: 18.0/23


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:829538.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:997188.9/4
+ sign 0.001+/-0.000 χ²/NDF: 4181926.0/21
All: 0.001+/-0.000 χ²/NDF: 9534182.7/45
- sign 0.001+/-0.000 χ²/NDF: 5162329.8/23



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

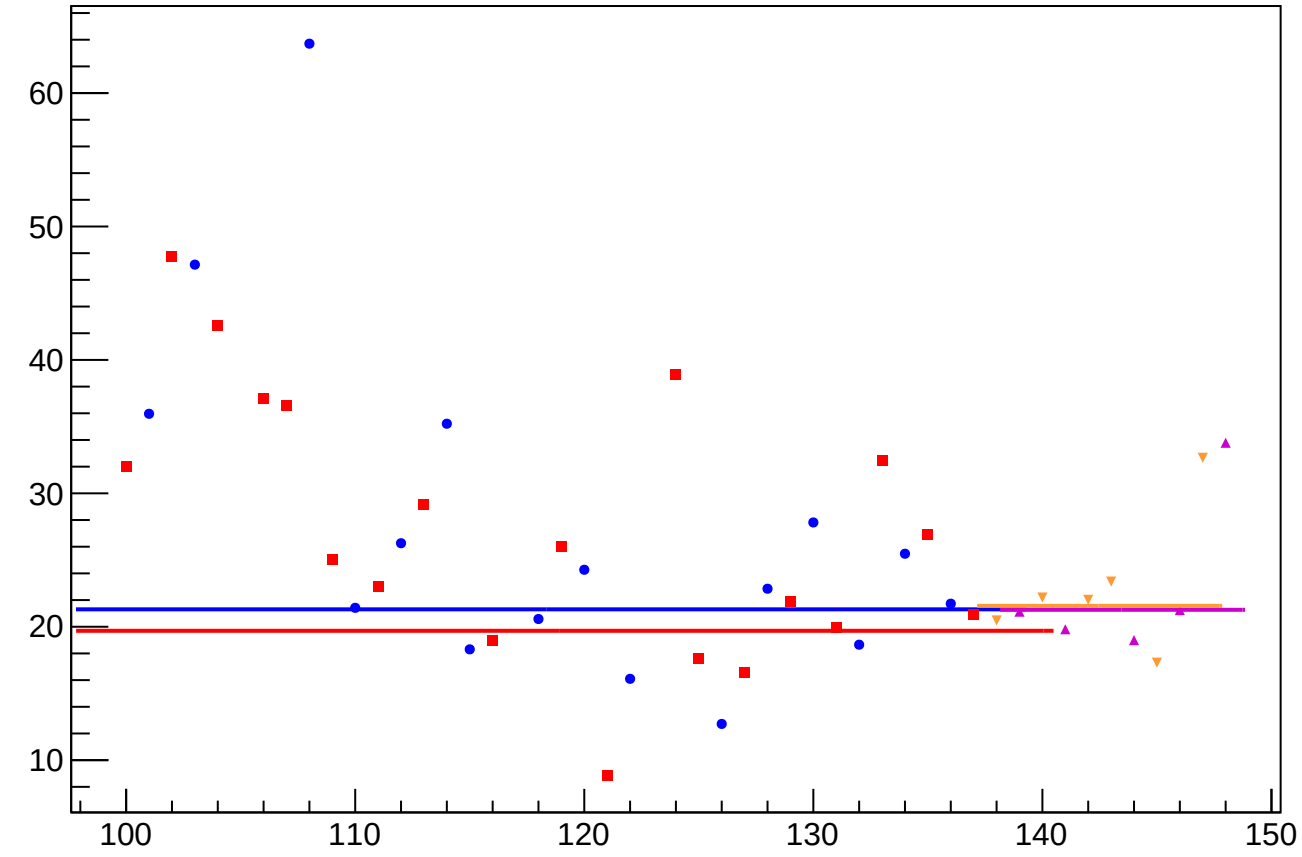
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.8/45

- sign 0.018+/-0.007 χ^2/NDF: 12.6/23



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.566+/-0.007 χ^2/NDF:295101.6/5

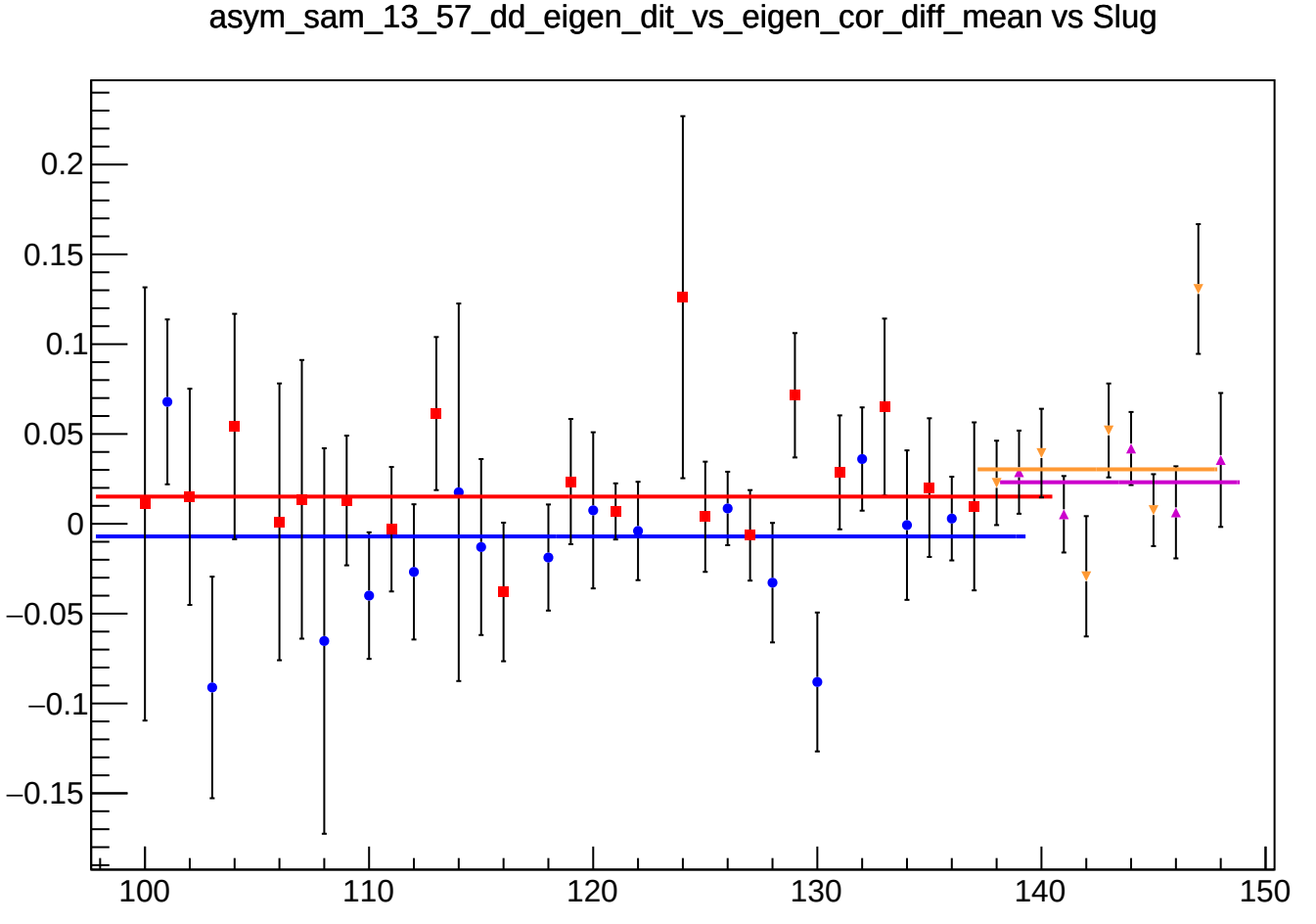
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

+ sign 21.410+/-0.005 χ^2/NDF: 1775068.2/21

All: 20.834+/-0.003 χ^2/NDF: 4530311.3/45

- sign 20.282+/-0.005 χ^2/NDF: 2725932.7/23



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

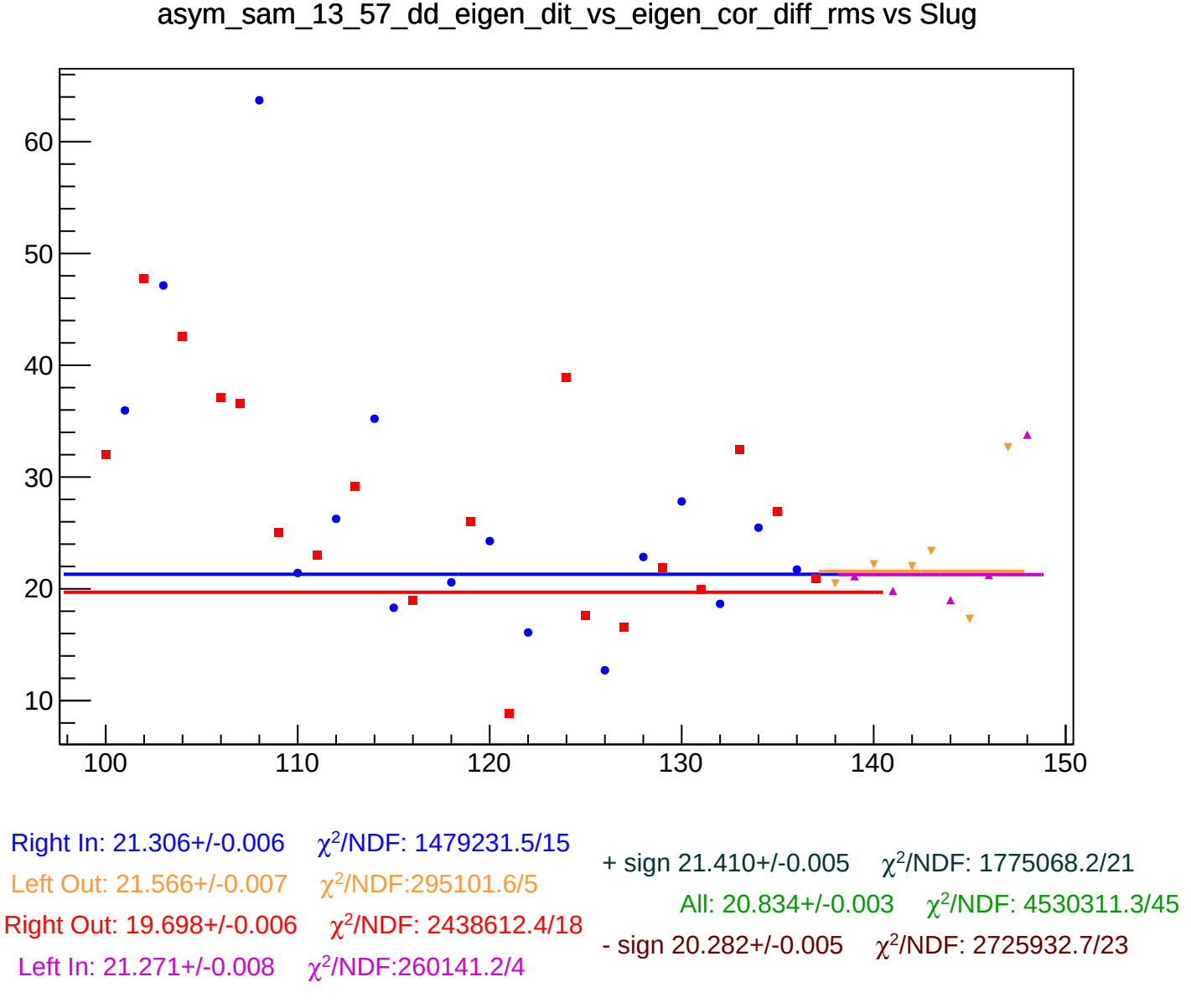
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

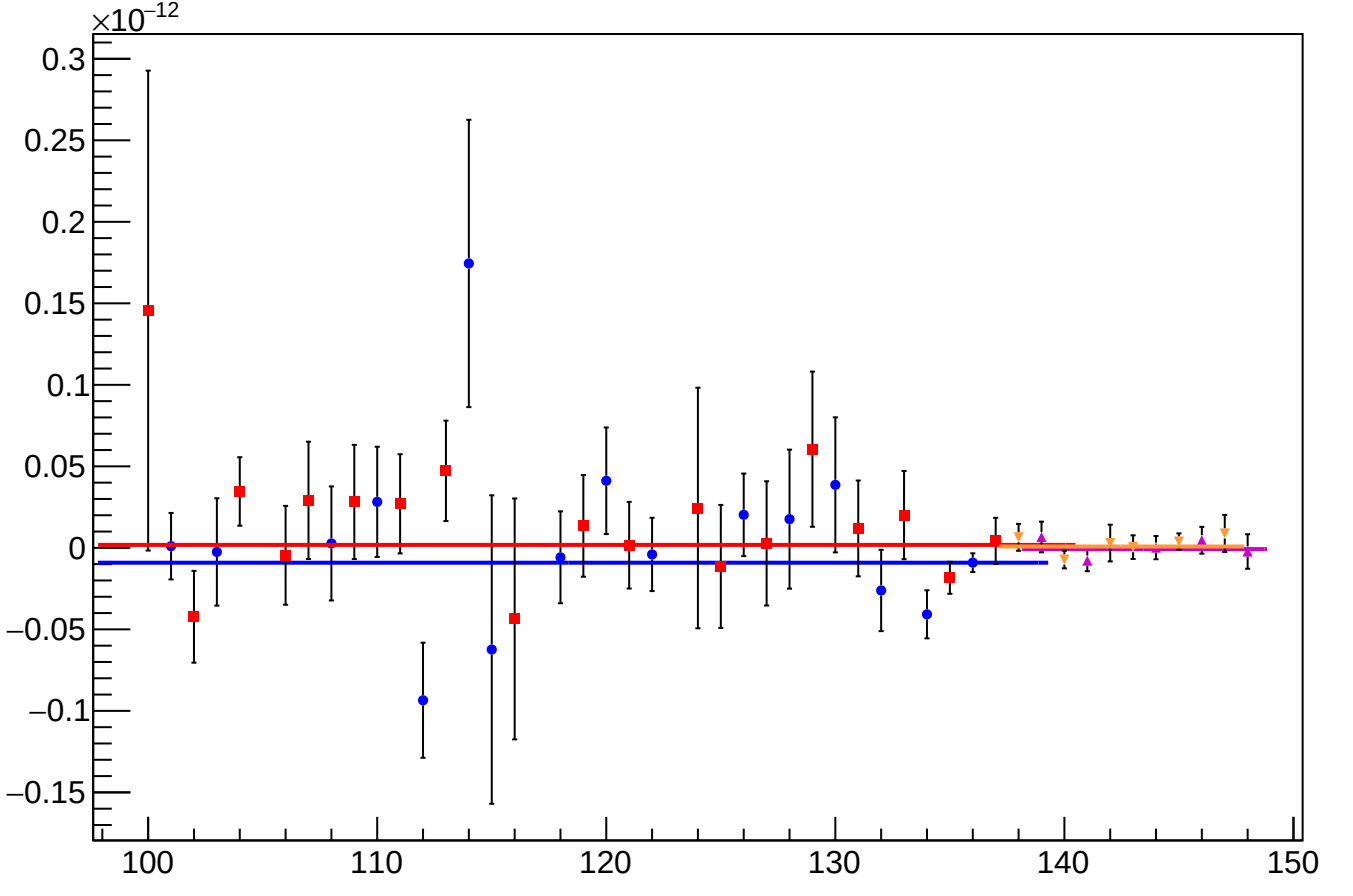
Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.0/21

All: 0.013+/-0.005 χ^2/NDF: 48.8/45

- sign 0.018+/-0.007 χ^2/NDF: 12.6/23


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 21.566+/-0.007 χ²/NDF:295101.6/5
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 21.271+/-0.008 χ²/NDF:260141.2/4
+ sign 21.410+/-0.005 χ²/NDF: 1775068.2/21
All: 20.834+/-0.003 χ²/NDF: 4530311.3/45
- sign 20.282+/-0.005 χ²/NDF: 2725932.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

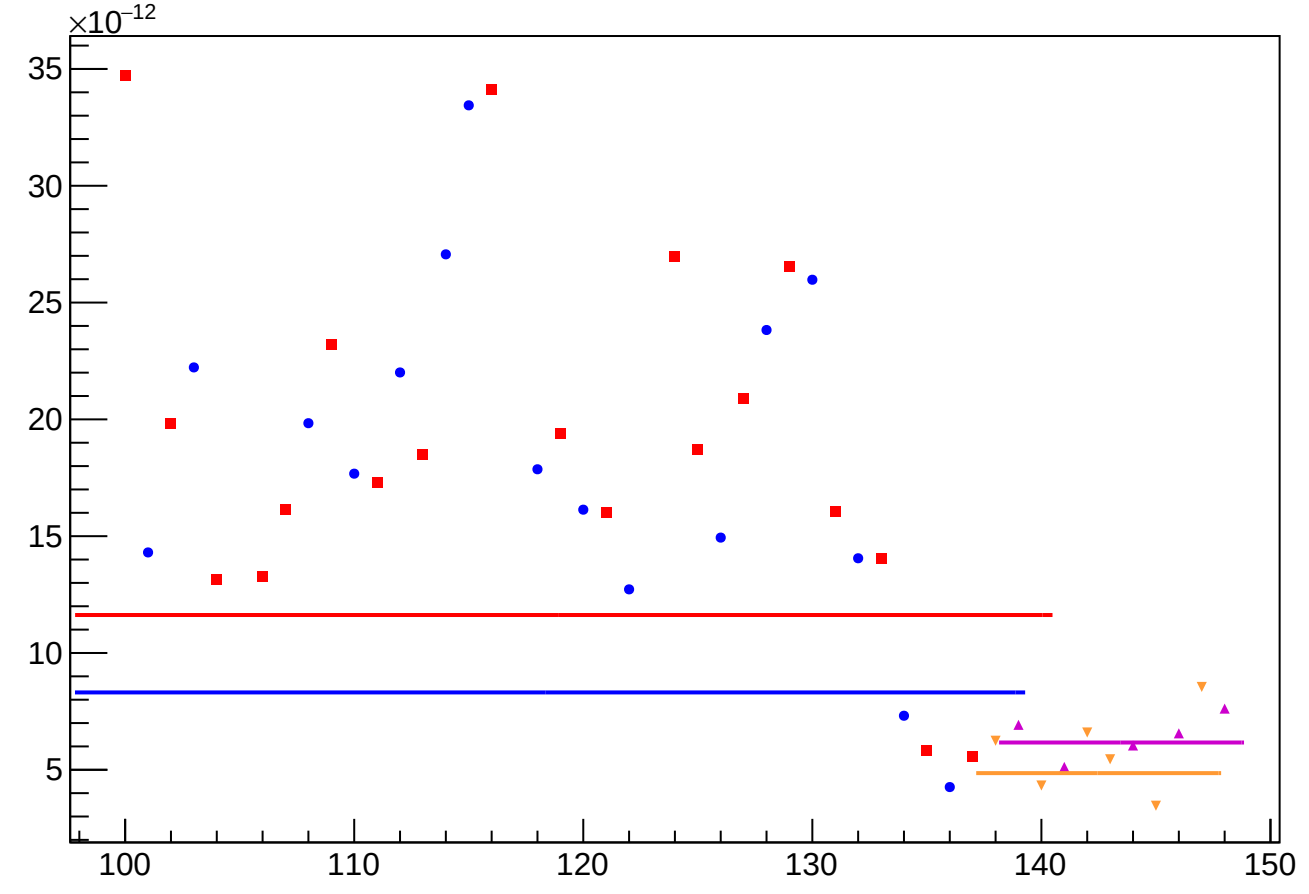
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/21

All: -0.000+/-0.000 χ^2/NDF: 49.3/45

- sign -0.000+/-0.000 χ^2/NDF: 19.4/23



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

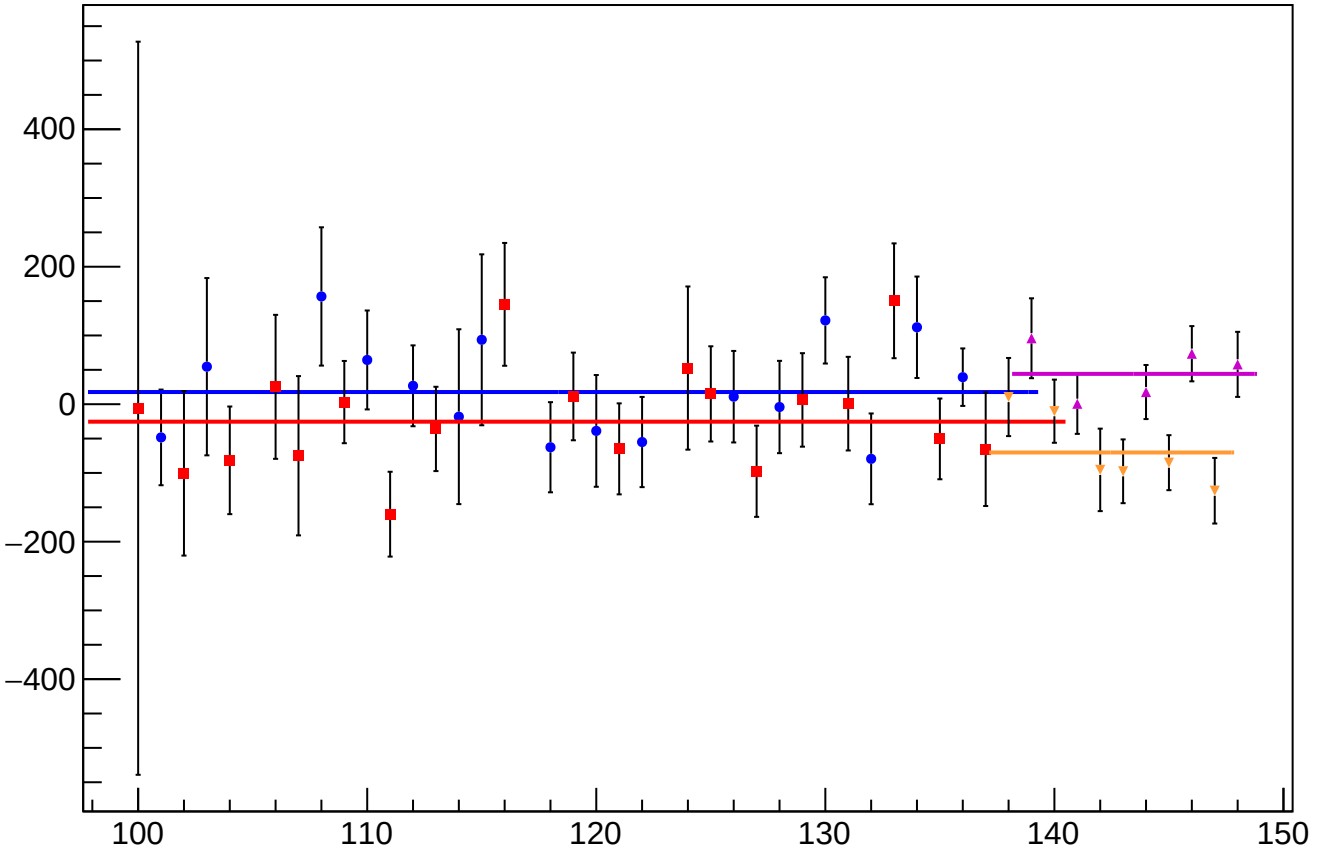
Left In: 0.000+/-0.000 χ^2/NDF:107656.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 5078951.0/21

All: 0.000+/-0.000 χ^2/NDF: 9586975.0/45

- sign 0.000+/-0.000 χ^2/NDF: 4041145.0/23

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

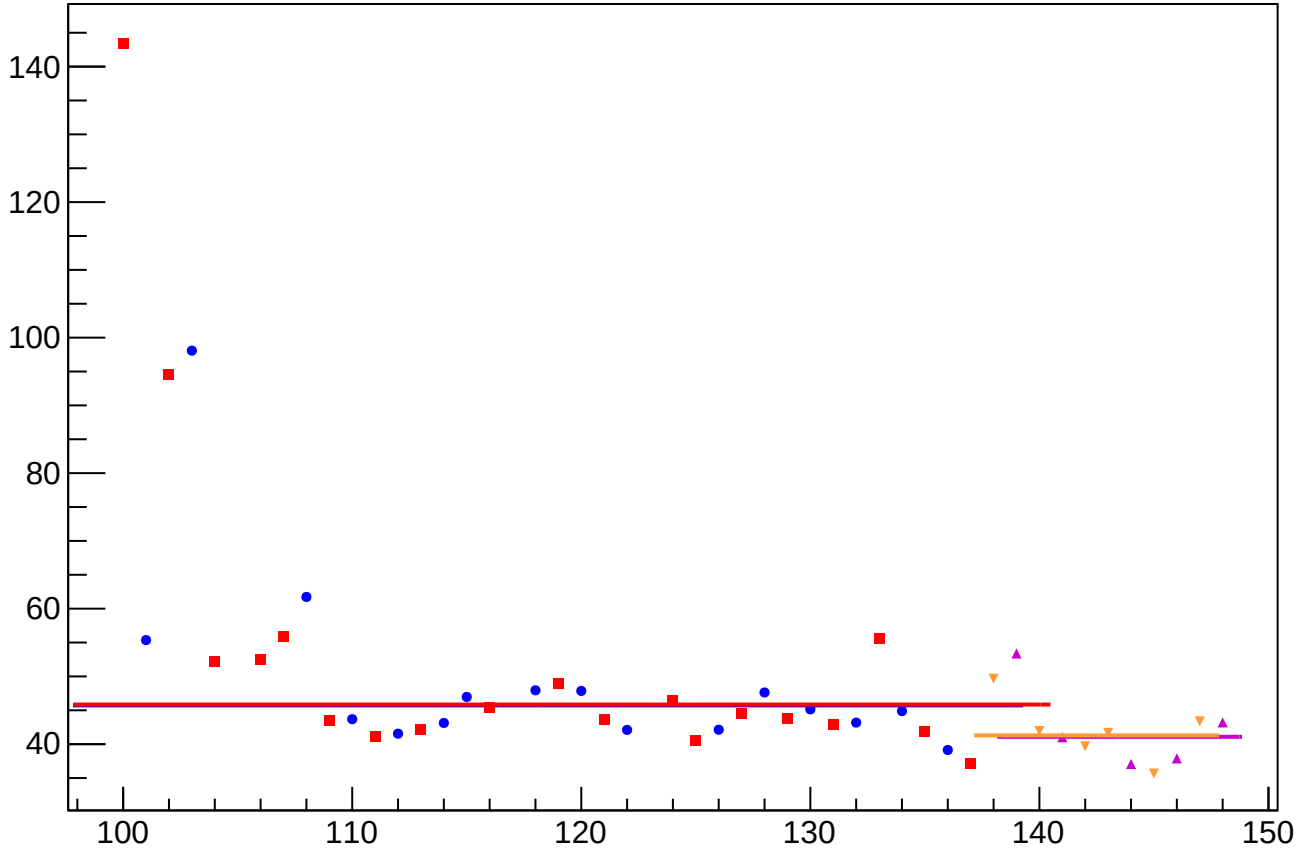
Left In: 44.113+/-19.888 χ^2/NDF:2.8/4

+ sign -21.118+/-13.057 χ^2/NDF: 30.9/21

All: -8.274+/-9.237 χ^2/NDF: 60.5/45

- sign 4.592+/-13.068 χ^2/NDF: 27.6/23

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

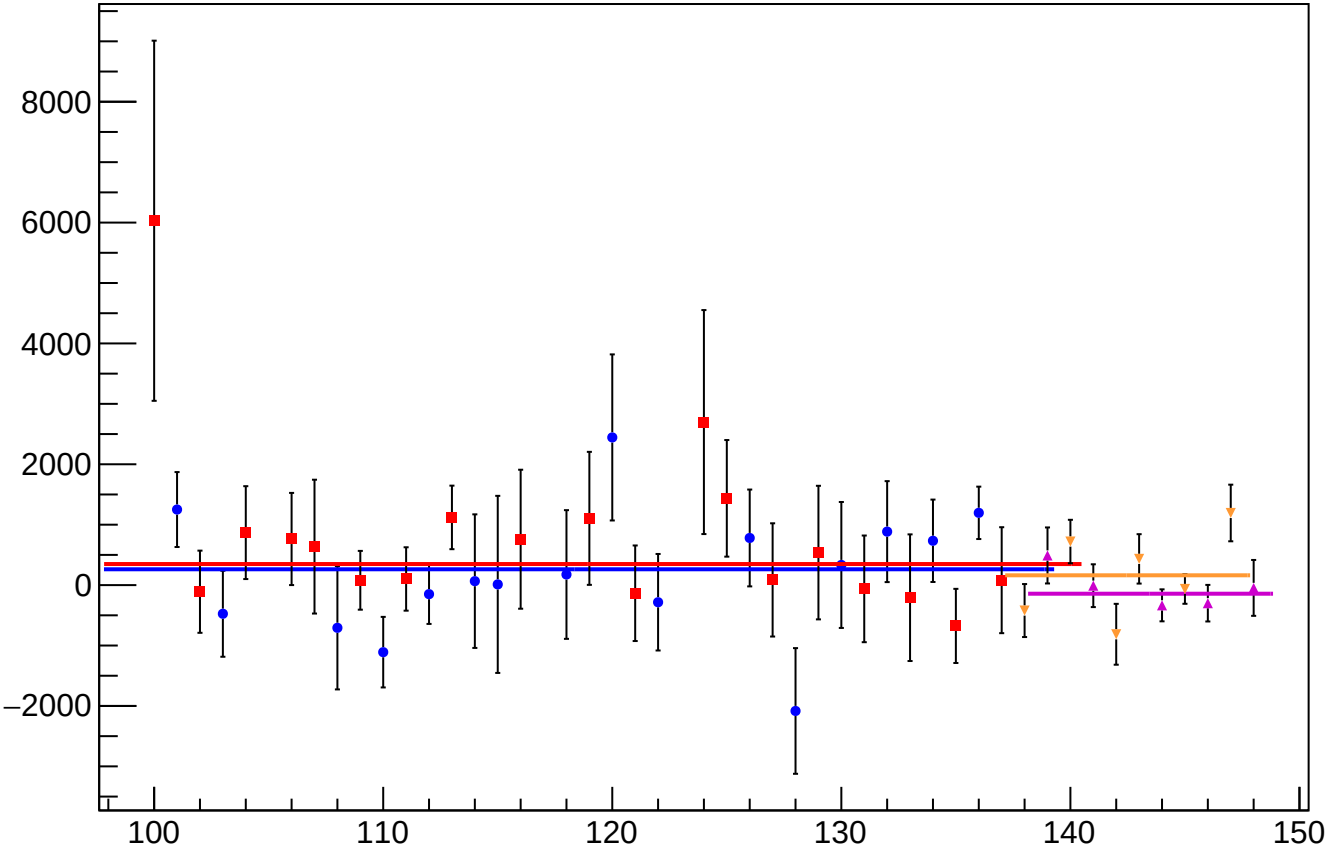
Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.771+/-0.009 χ^2/NDF: 646948.3/21

All: 43.782+/-0.007 χ^2/NDF: 1379234.3/45

- sign 43.792+/-0.009 χ^2/NDF: 732283.2/23

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

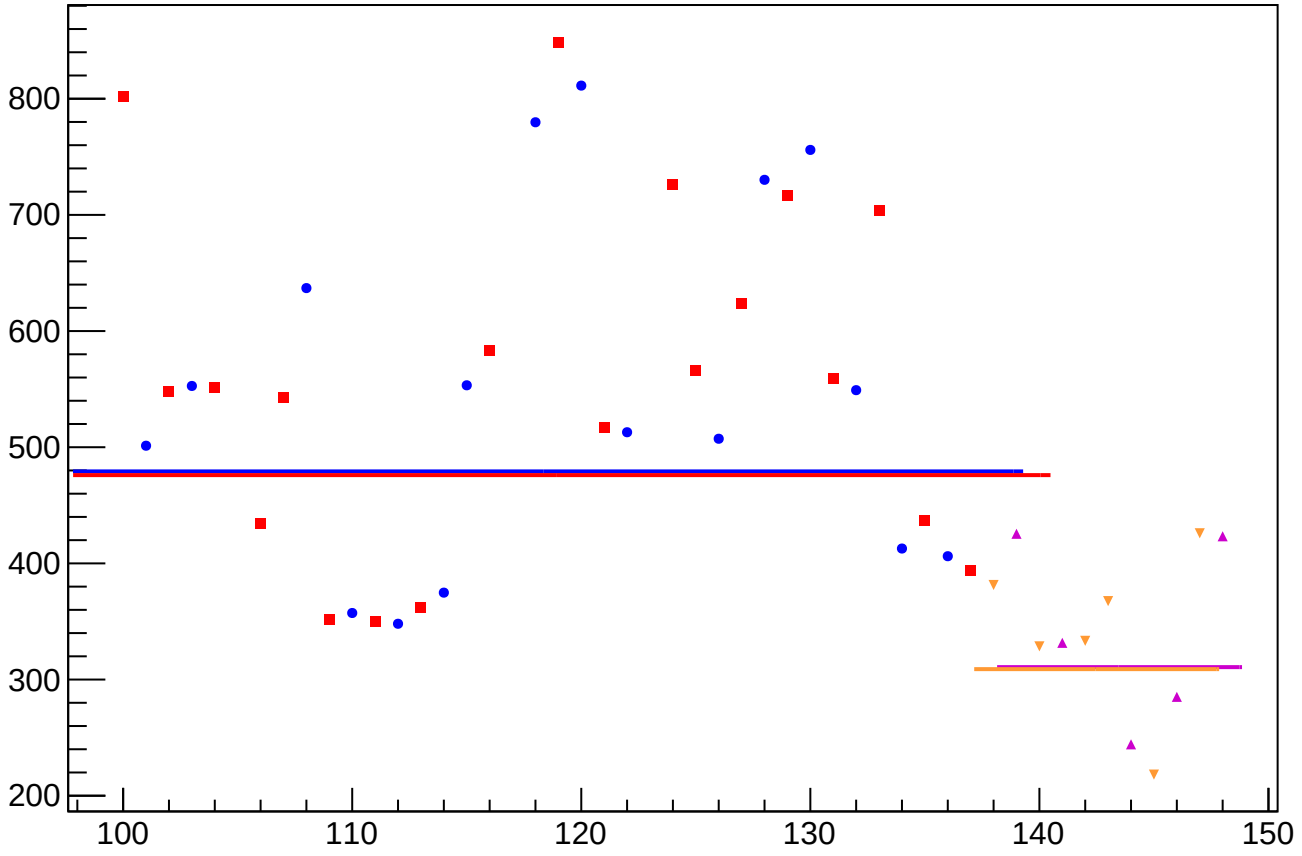
Left In: -142.464+/-153.410 χ^2/NDF:2.8/4

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 132.685+/-82.683 χ^2/NDF: 62.0/45

- sign 63.284+/-116.943 χ^2/NDF: 22.1/23

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

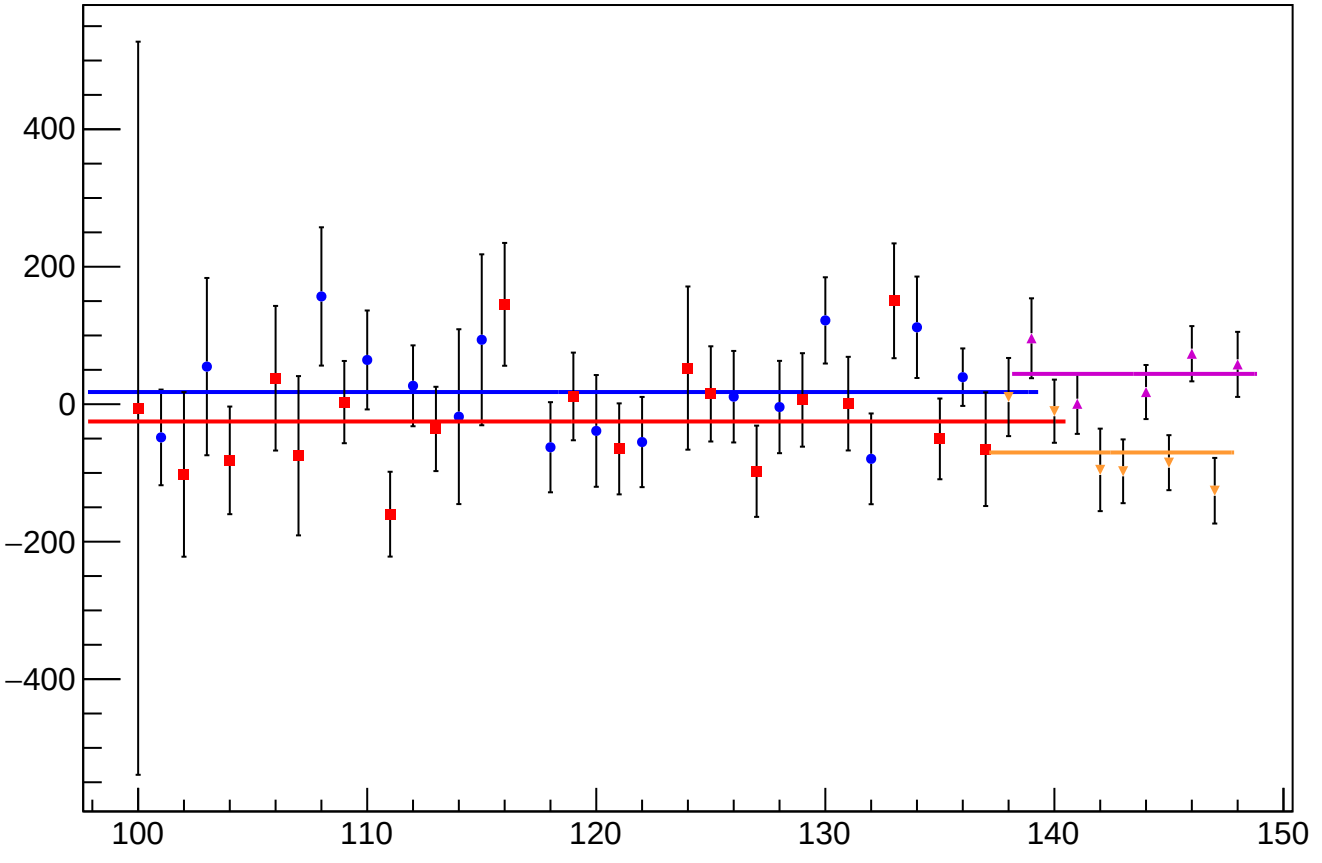
Left In: 310.697+/-0.108 χ^2/NDF:388694.3/4

+ sign 376.798+/-0.083 χ^2/NDF: 2473138.4/21

All: 378.369+/-0.058 χ^2/NDF: 4841702.2/45

- sign 379.941+/-0.083 χ^2/NDF: 2367841.4/23

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

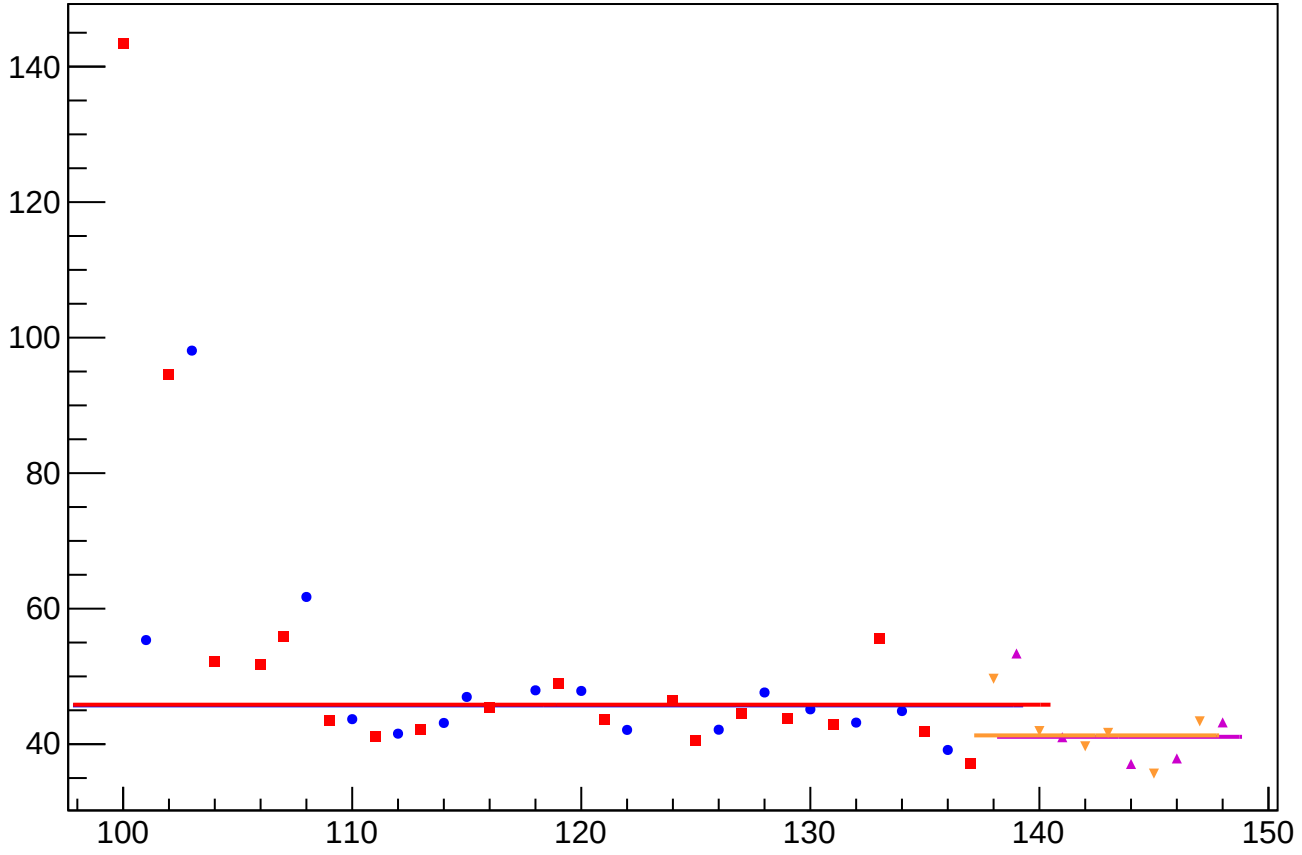
Left In: 44.109+/-19.888 χ^2/NDF:2.8/4

+ sign -21.114+/-13.057 χ^2/NDF: 30.9/21

All: -8.188+/-9.237 χ^2/NDF: 60.6/45

- sign 4.763+/-13.069 χ^2/NDF: 27.7/23

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

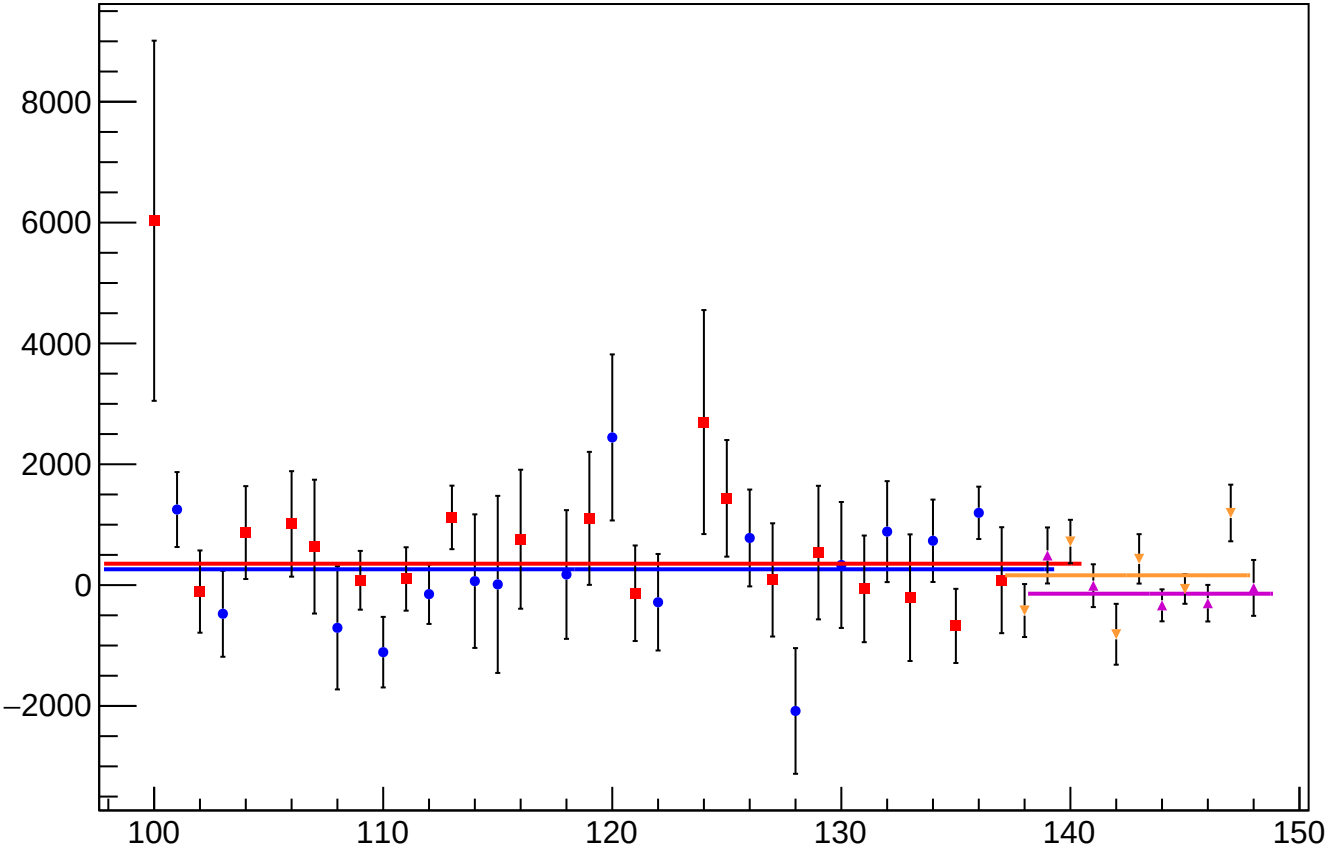
Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.771+/-0.009 χ^2/NDF: 646951.3/21

All: 43.775+/-0.007 χ^2/NDF: 1376889.9/45

- sign 43.779+/-0.009 χ^2/NDF: 729938.2/23

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

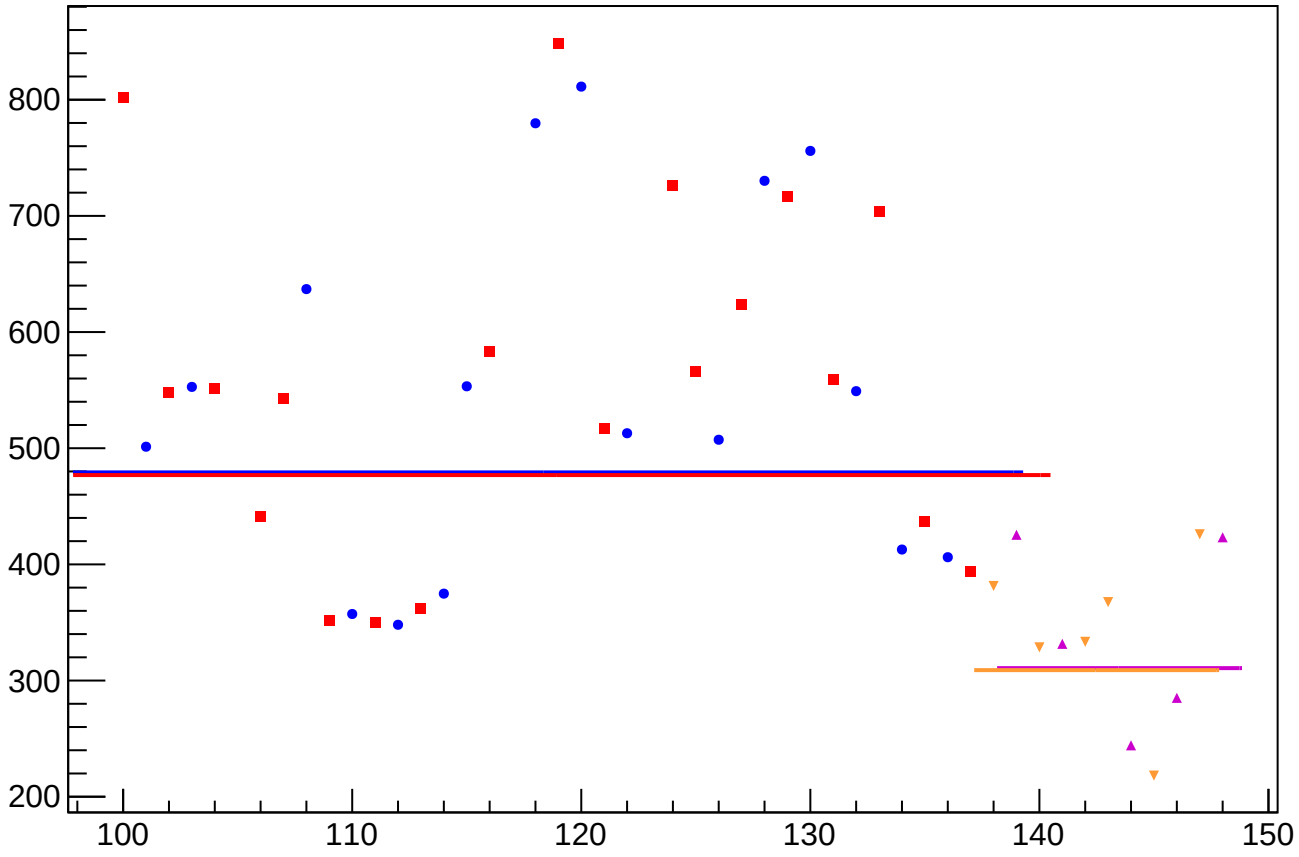
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -142.465+/-153.410 χ^2/NDF:2.8/4

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 133.221+/-82.799 χ^2/NDF: 62.3/45

- sign 63.969+/-117.272 χ^2/NDF: 22.4/23



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

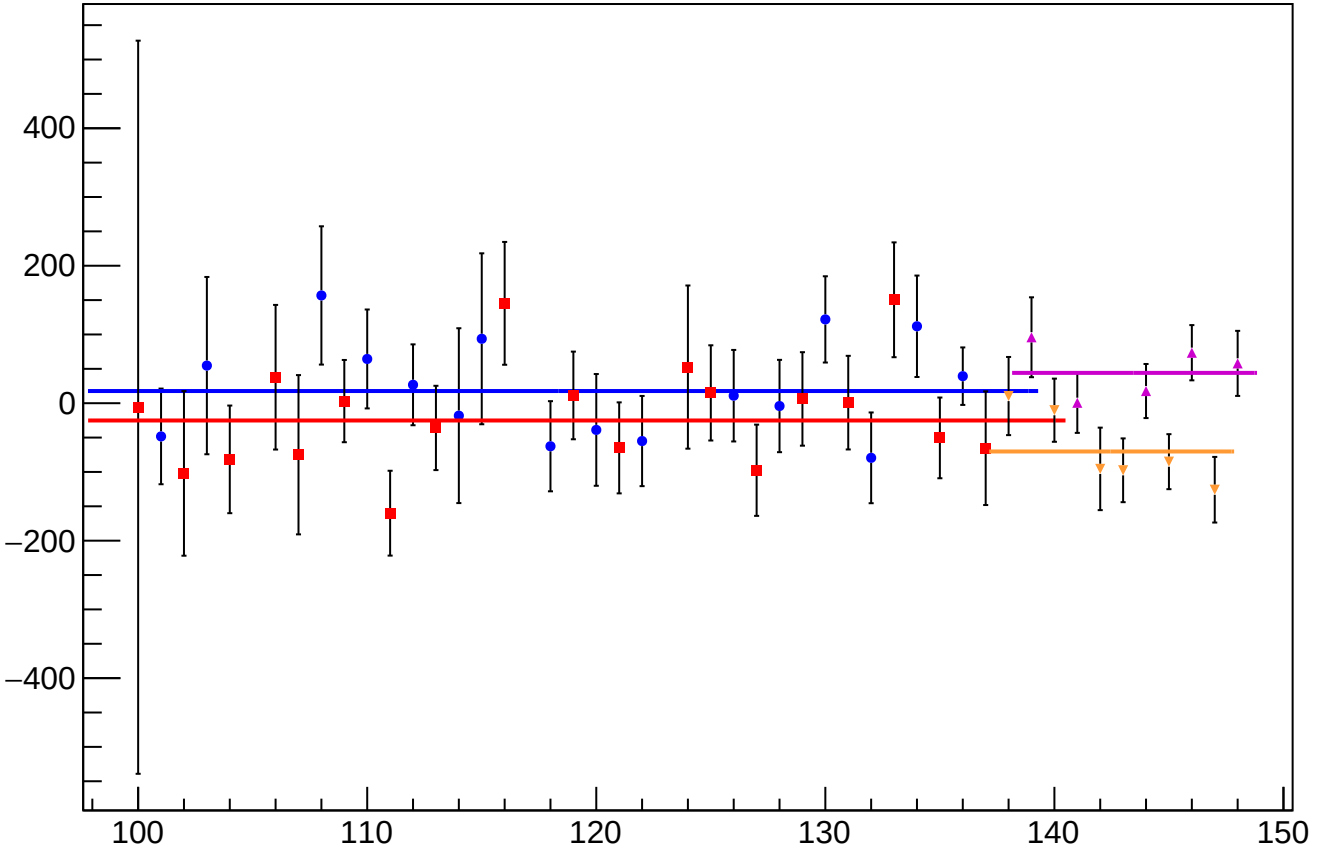
Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

+ sign 376.798+/-0.083 χ^2/NDF: 2473188.0/21

All: 378.282+/-0.059 χ^2/NDF: 4841900.3/45

- sign 379.774+/-0.083 χ^2/NDF: 2368066.5/23

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

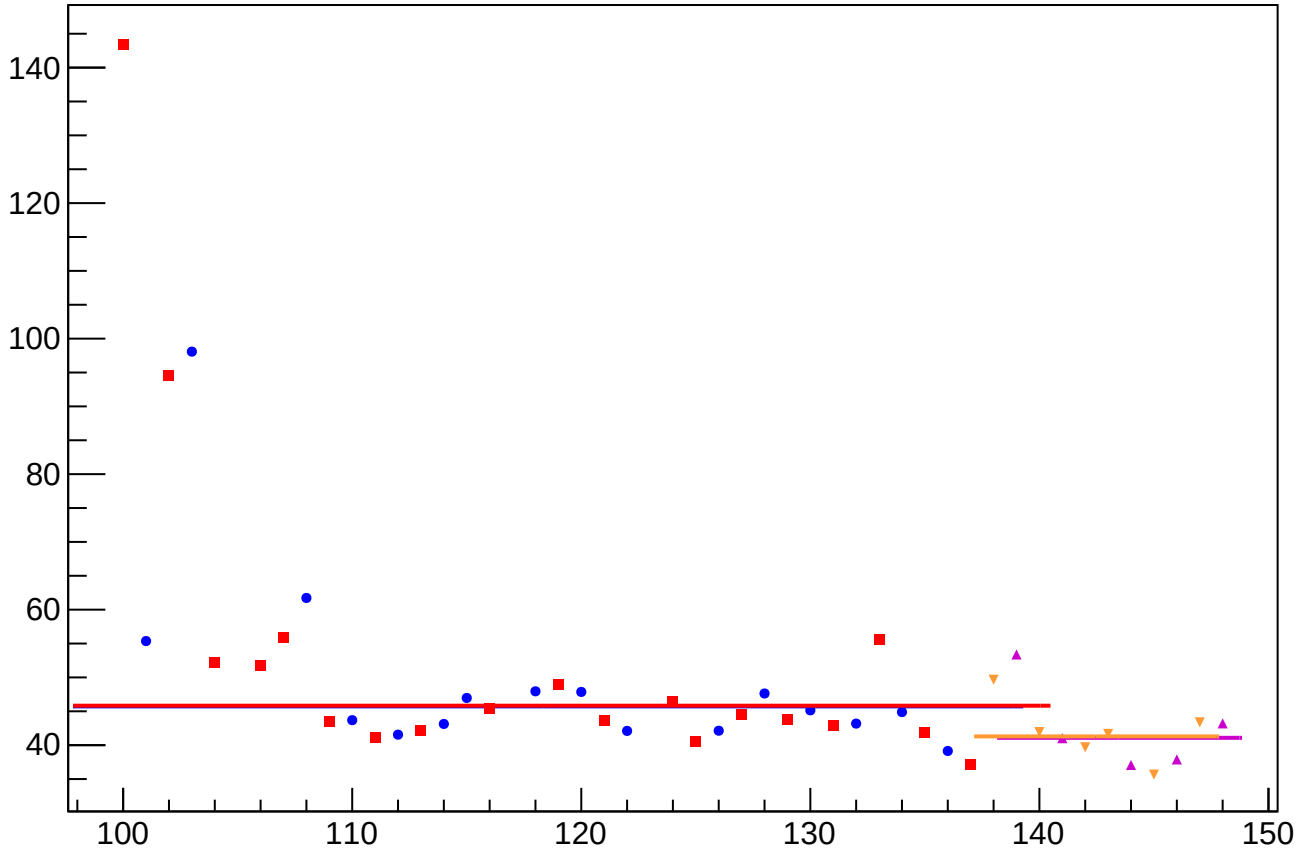
Left In: 44.109+/-19.888 χ^2/NDF:2.8/4

+ sign -21.114+/-13.057 χ^2/NDF: 30.9/21

All: -8.188+/-9.237 χ^2/NDF: 60.6/45

- sign 4.763+/-13.069 χ^2/NDF: 27.7/23

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

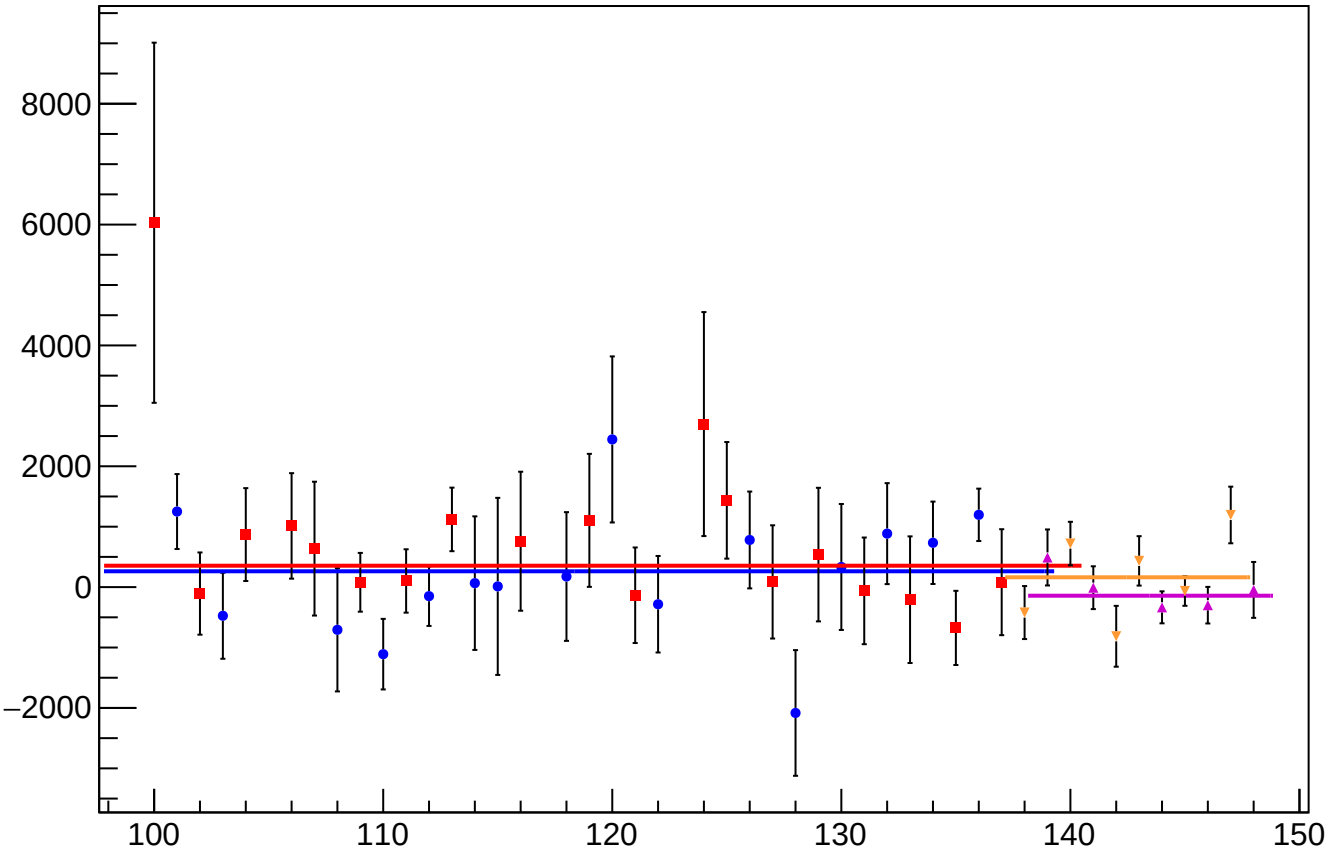
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.771+/-0.009 χ^2/NDF: 646951.3/21

All: 43.775+/-0.007 χ^2/NDF: 1376889.9/45

- sign 43.779+/-0.009 χ^2/NDF: 729938.2/23



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

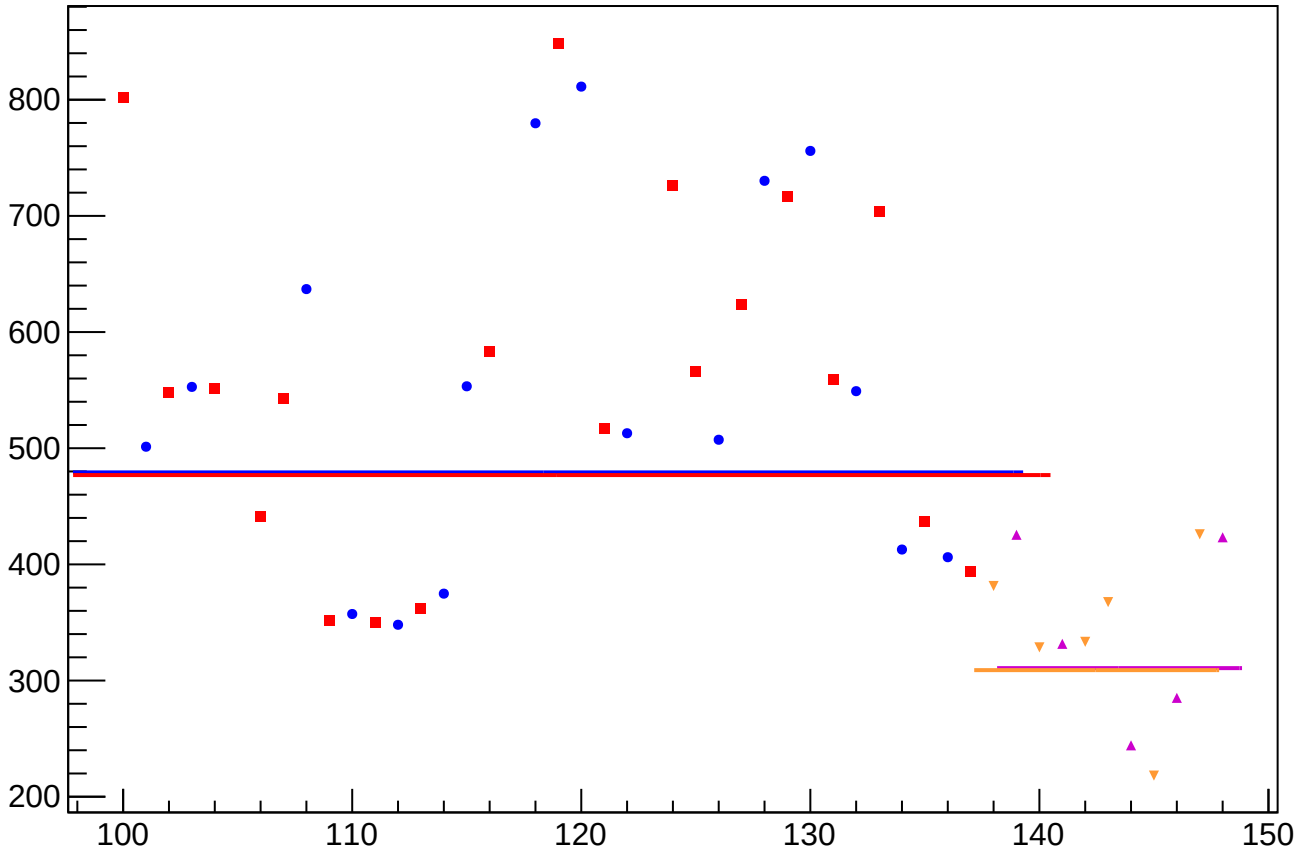
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -142.465+/-153.410 χ^2/NDF:2.8/4

+ sign 202.058+/-116.920 χ^2/NDF: 39.2/21

All: 133.221+/-82.799 χ^2/NDF: 62.3/45

- sign 63.969+/-117.272 χ^2/NDF: 22.4/23



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

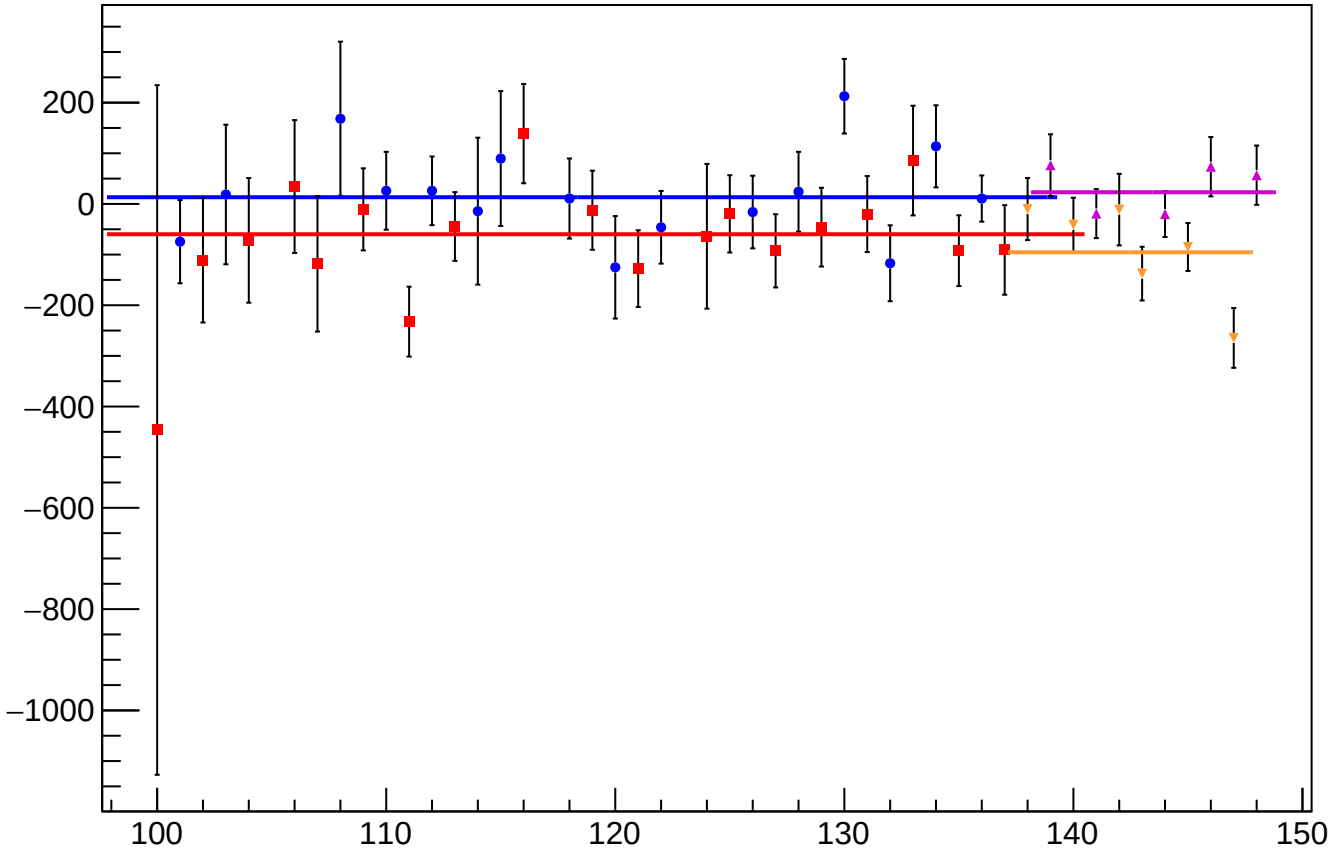
Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

+ sign 376.798+/-0.083 χ^2/NDF: 2473188.0/21

All: 378.282+/-0.059 χ^2/NDF: 4841900.3/45

- sign 379.774+/-0.083 χ^2/NDF: 2368066.5/23

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

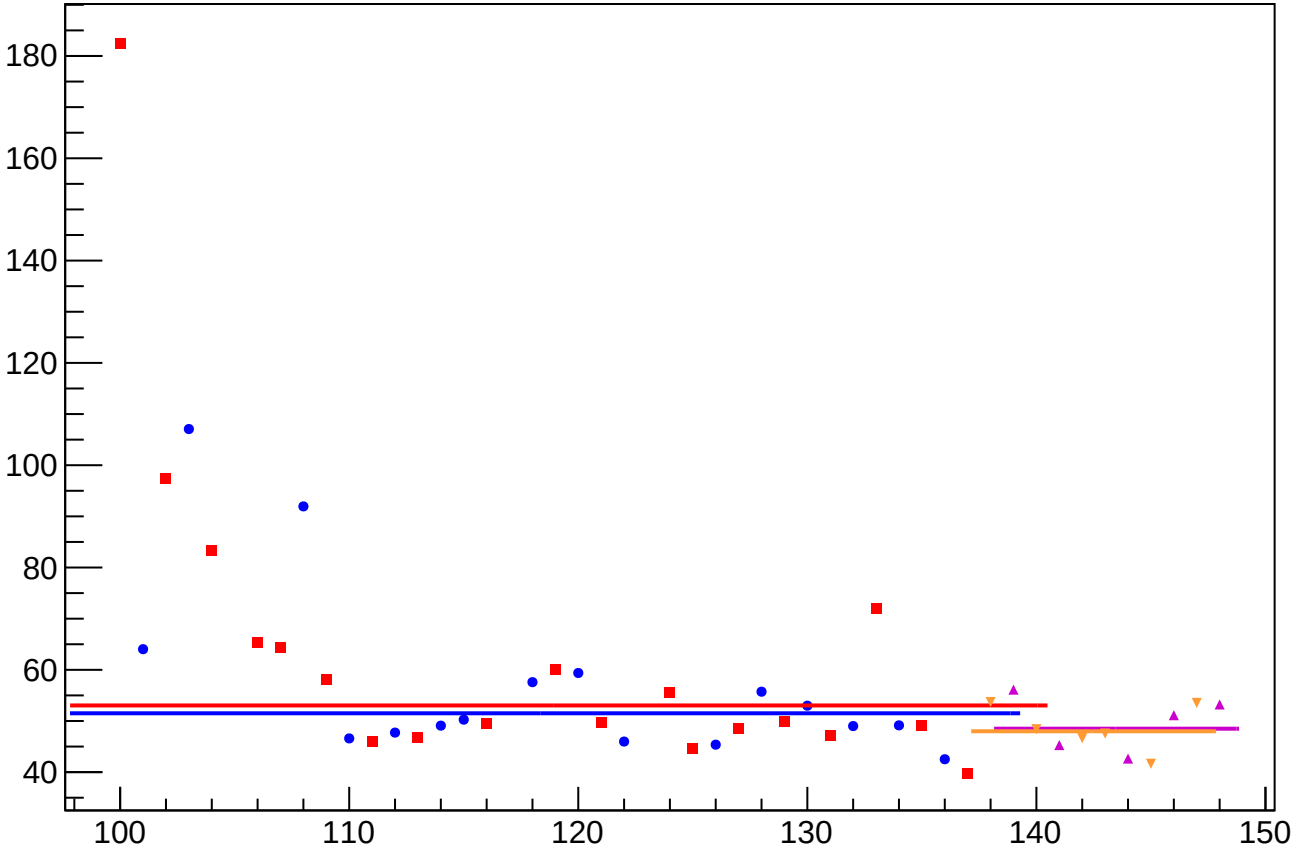
Left In: 23.086+/-23.827 χ^2/NDF:3.5/4

+ sign -33.374+/-15.001 χ^2/NDF: 43.4/21

All: -29.341+/-10.754 χ^2/NDF: 70.2/45

- sign -25.078+/-15.423 χ^2/NDF: 26.6/23

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

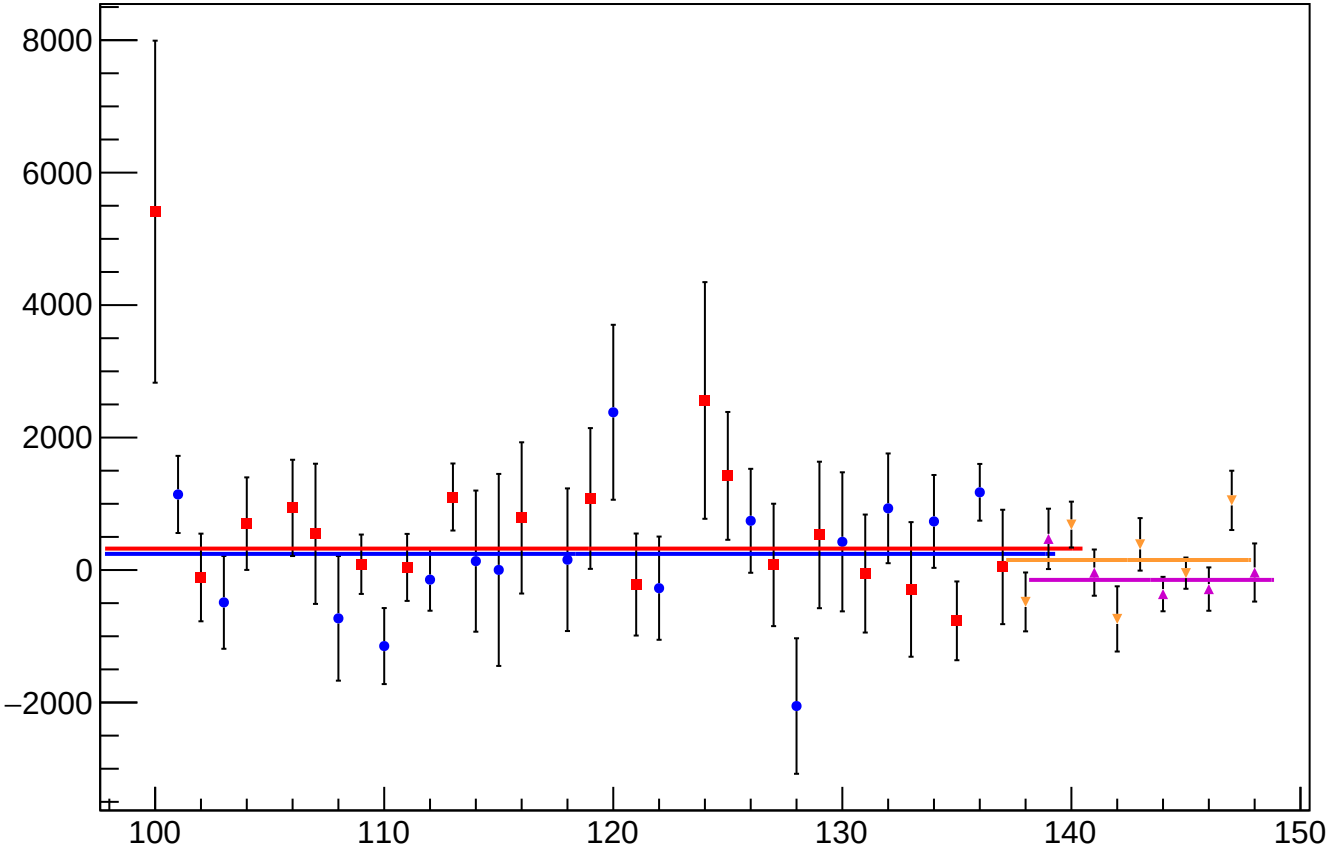
Left In: 48.495+/-0.017 χ^2/NDF:90144.1/4

+ sign 49.998+/-0.011 χ^2/NDF: 765863.4/21

All: 50.550+/-0.008 χ^2/NDF: 1616730.4/45

- sign 51.134+/-0.011 χ^2/NDF: 845291.1/23

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

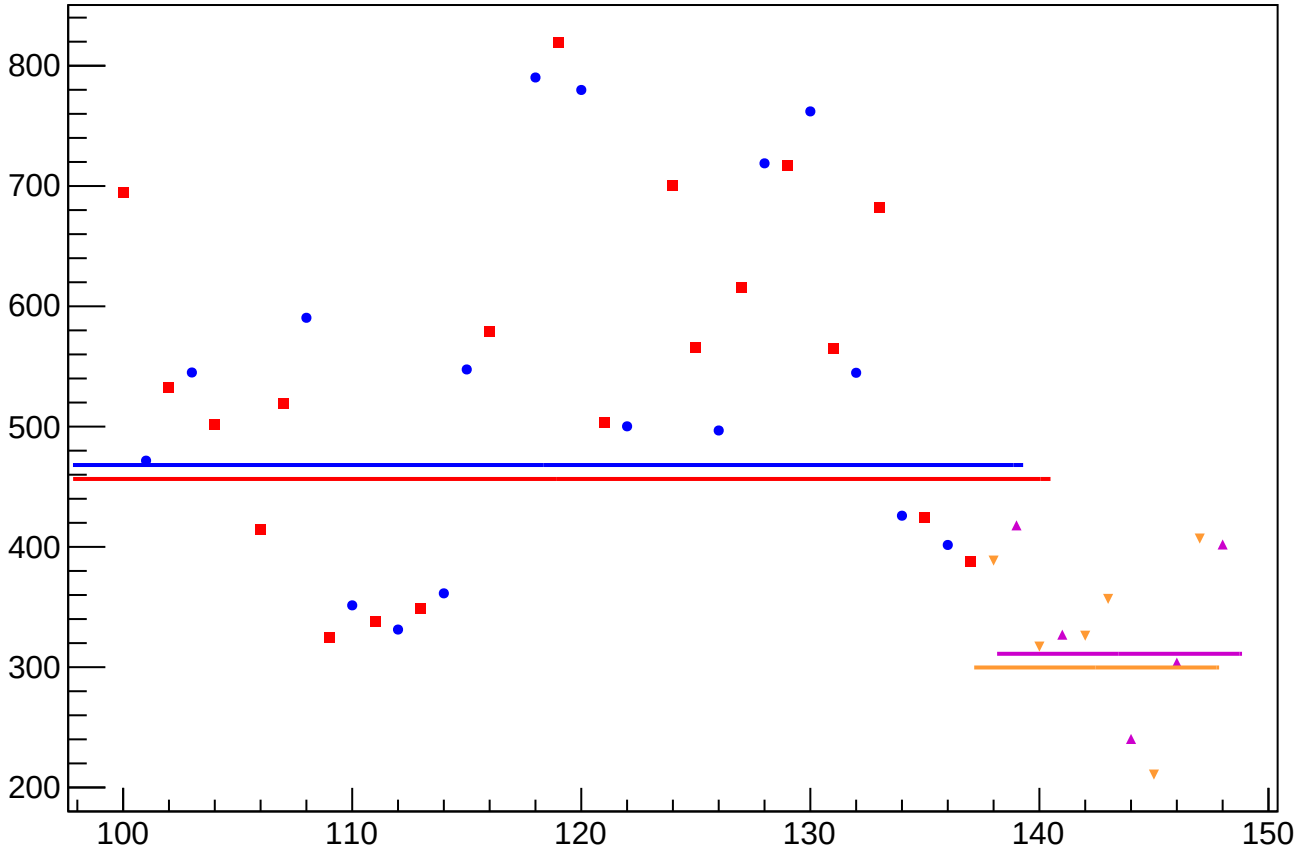
Left In: -148.909+/-153.631 χ^2/NDF:2.9/4

+ sign 187.980+/-113.658 χ^2/NDF: 38.5/21

All: 124.076+/-80.859 χ^2/NDF: 62.7/45

- sign 58.588+/-115.058 χ^2/NDF: 23.5/23

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

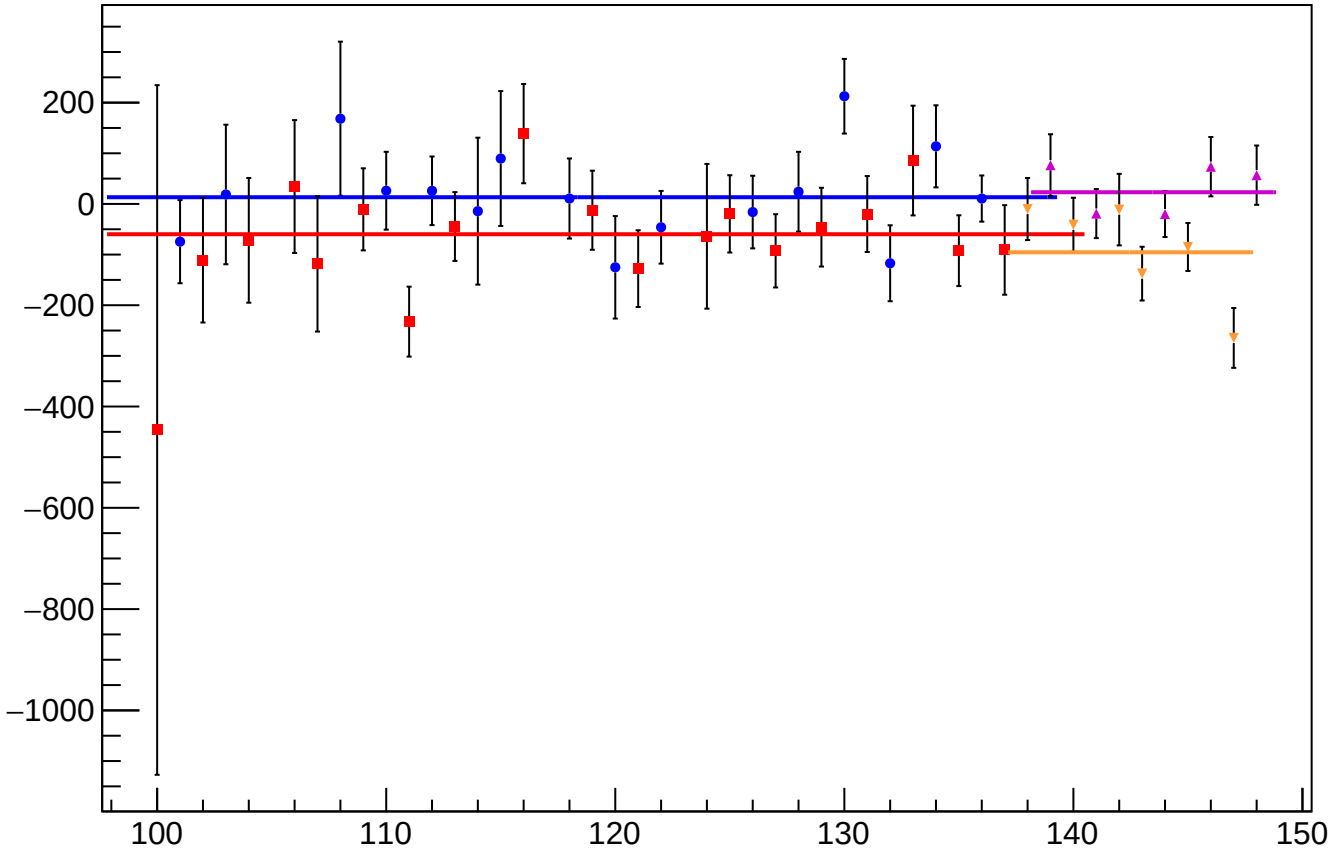
Left In: 311.128+/-0.109 χ^2/NDF:349087.7/4

+ sign 366.212+/-0.080 χ^2/NDF: 2562773.6/21

All: 370.527+/-0.057 χ^2/NDF: 4786257.9/45

- sign 374.949+/-0.081 χ^2/NDF: 2217648.0/23

eigen_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: -59.811+/-20.234 χ^2/NDF: 16.1/18

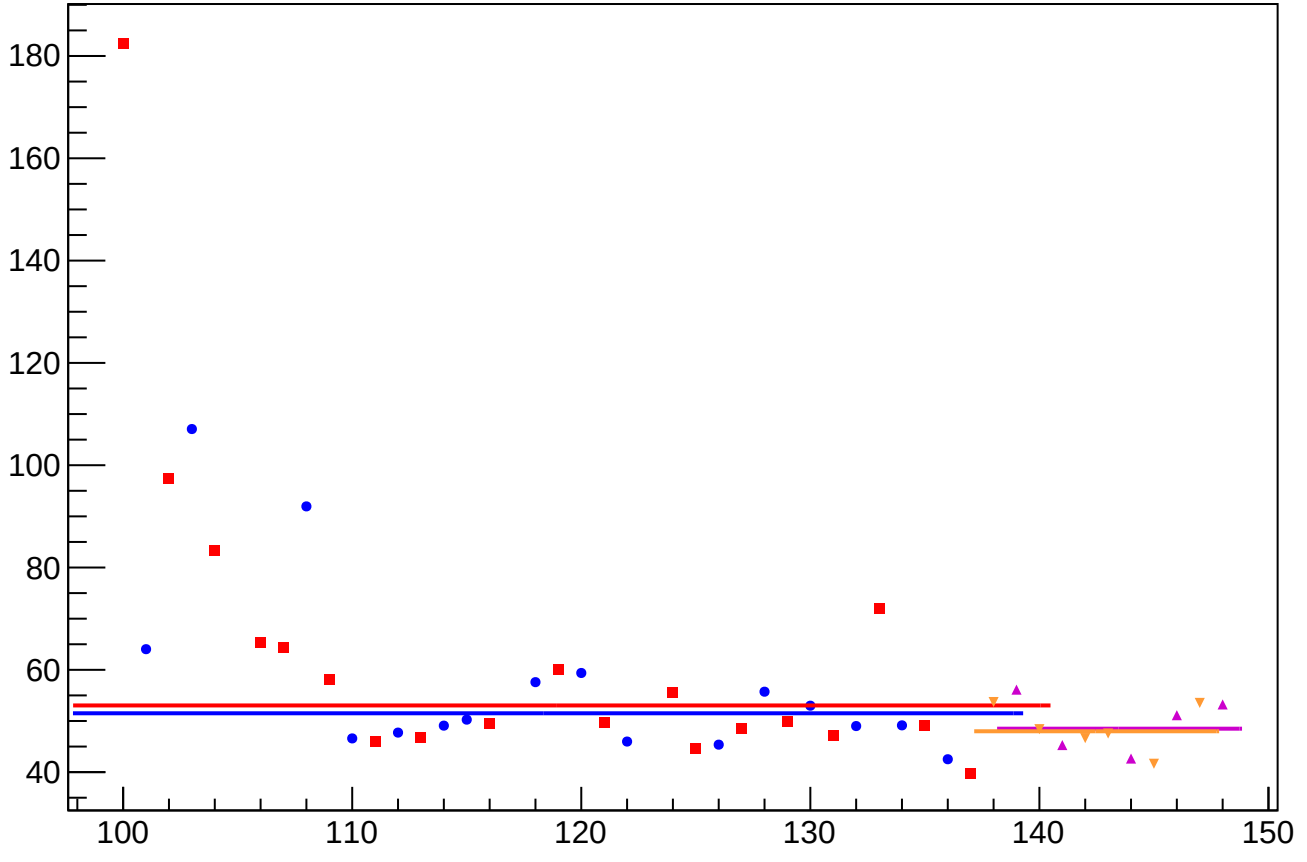
Left In: 23.086+/-23.827 χ^2/NDF:3.5/4

+ sign -33.374+/-15.001 χ^2/NDF: 43.4/21

All: -29.341+/-10.754 χ^2/NDF: 70.2/45

- sign -25.078+/-15.423 χ^2/NDF: 26.6/23

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

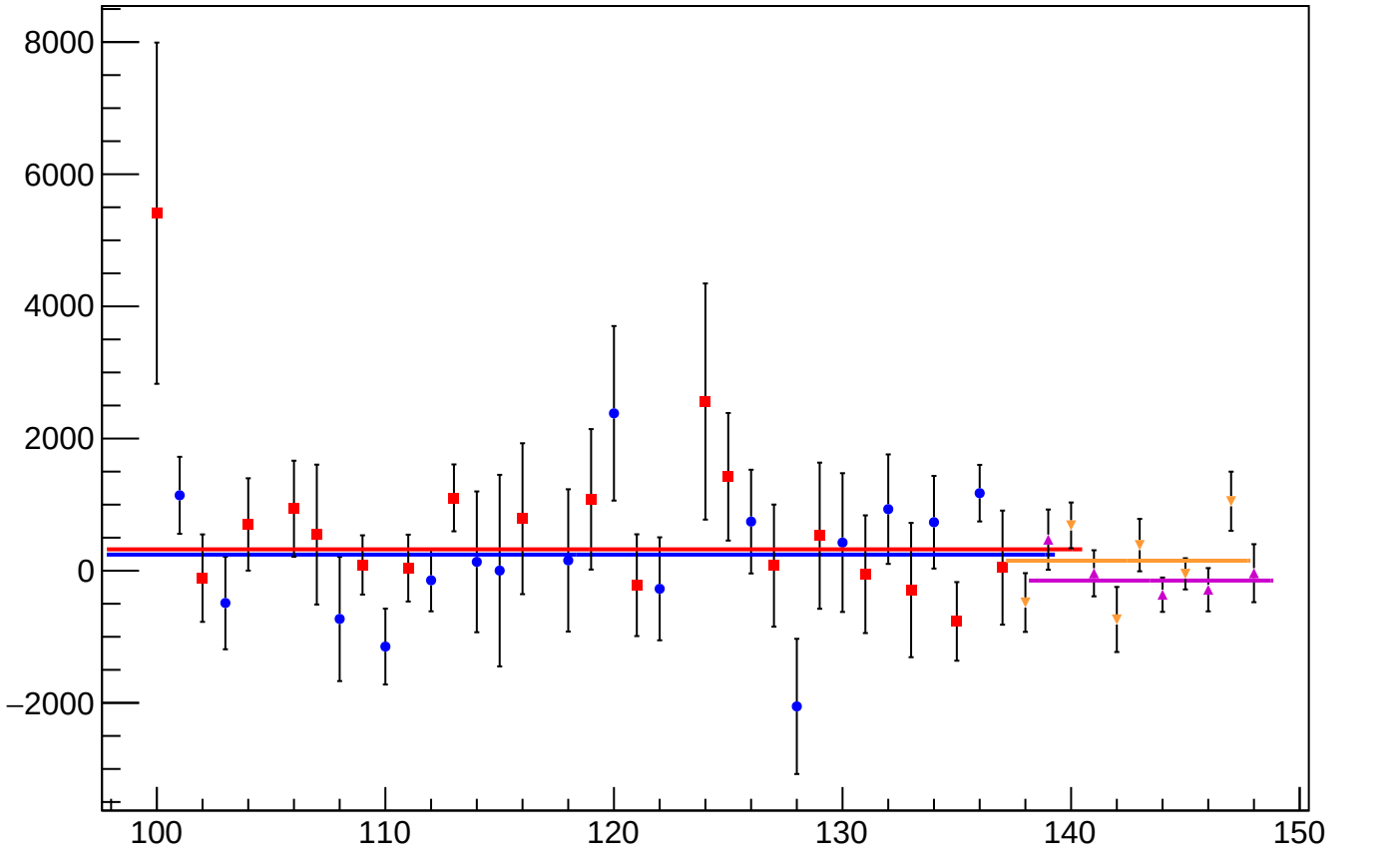
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.495+/-0.017 χ^2/NDF:90143.6/4

+ sign 49.998+/-0.011 χ^2/NDF: 765867.5/21

All: 50.550+/-0.008 χ^2/NDF: 1616743.6/45

- sign 51.134+/-0.011 χ^2/NDF: 845300.1/23



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.538+/-146.110 χ^2/NDF:12.8/5

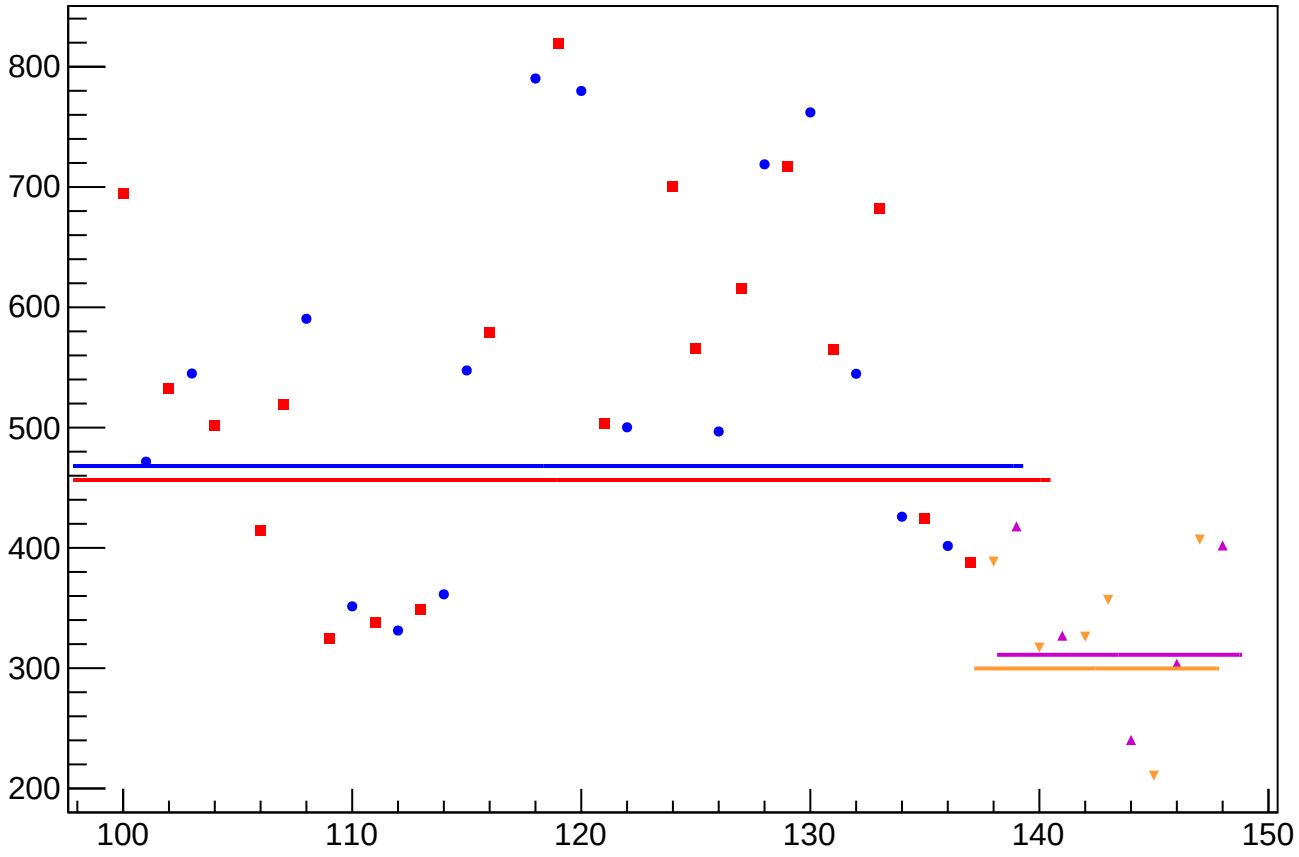
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -148.909+/-153.631 χ^2/NDF:2.9/4

+ sign 187.981+/-113.658 χ^2/NDF: 38.5/21

All: 124.076+/-80.859 χ^2/NDF: 62.7/45

- sign 58.589+/-115.058 χ^2/NDF: 23.5/23



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

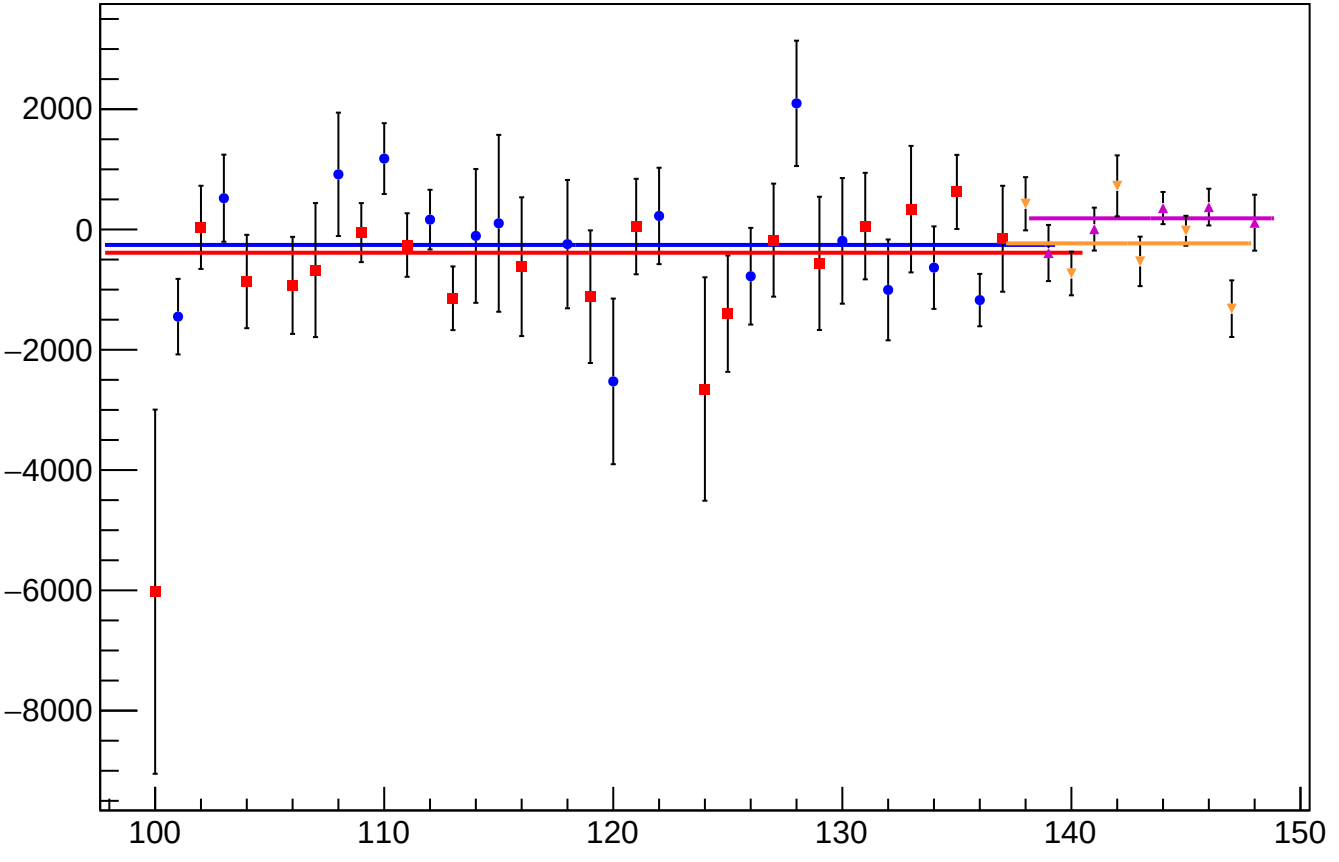
Left In: 311.128+/-0.109 χ^2/NDF:349090.0/4

+ sign 366.212+/-0.080 χ^2/NDF: 2562770.7/21

All: 370.527+/-0.057 χ^2/NDF: 4786244.8/45

- sign 374.949+/-0.081 χ^2/NDF: 2217637.5/23

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

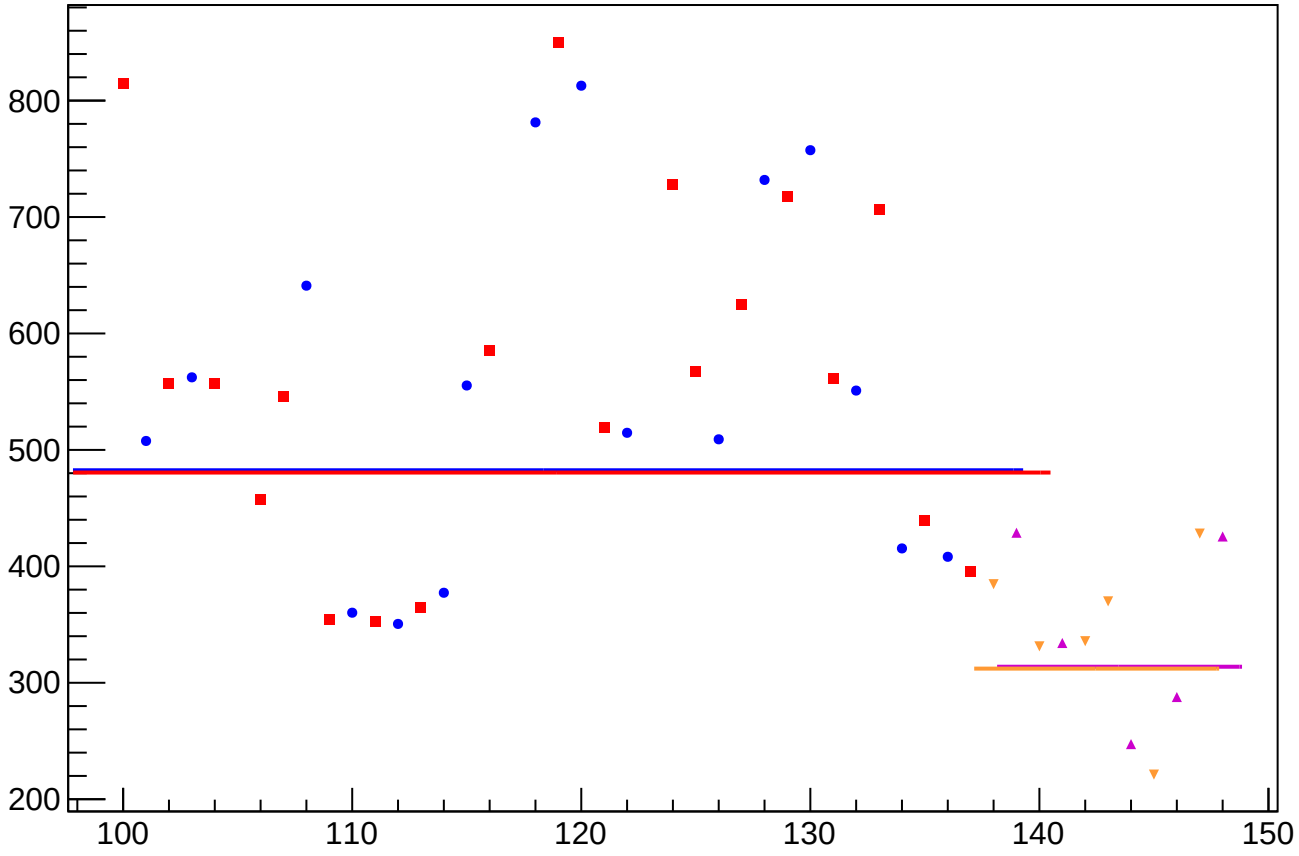
Left In: 185.432+/-154.840 χ^2/NDF:2.6/4

+ sign -241.163+/-117.908 χ^2/NDF: 41.2/21

All: -147.750+/-83.417 χ^2/NDF: 65.0/45

- sign -54.139+/-118.032 χ^2/NDF: 22.5/23

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

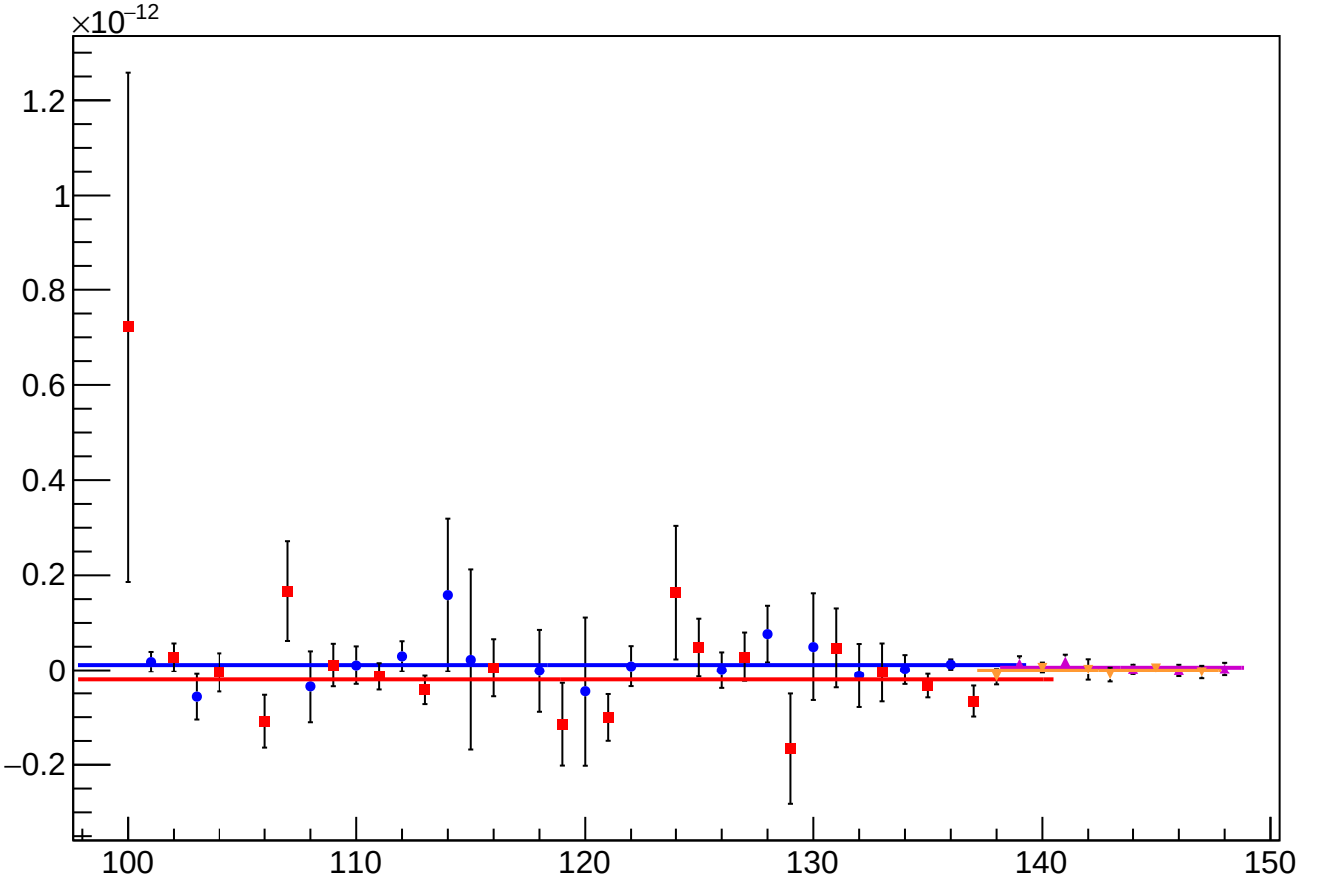
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 313.786+/-0.109 χ^2/NDF:381221.2/4

+ sign 380.282+/-0.083 χ^2/NDF: 2440289.3/21

All: 381.964+/-0.059 χ^2/NDF: 4788074.3/45

- sign 383.651+/-0.083 χ^2/NDF: 2346969.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

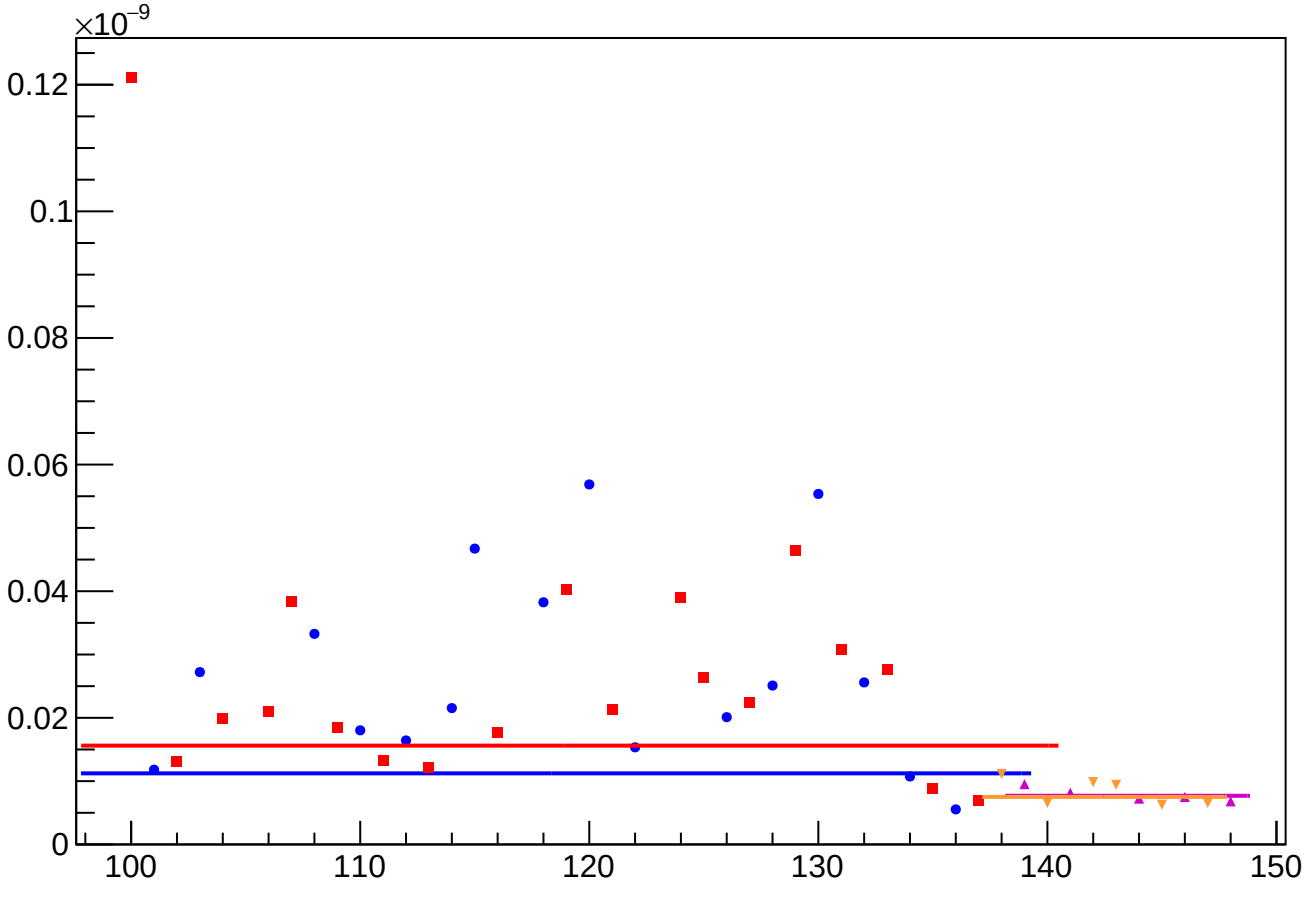
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 8.6/21

All: 0.000+/-0.000 χ^2/NDF: 39.1/45

- sign -0.000+/-0.000 χ^2/NDF: 30.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:200934.4/5

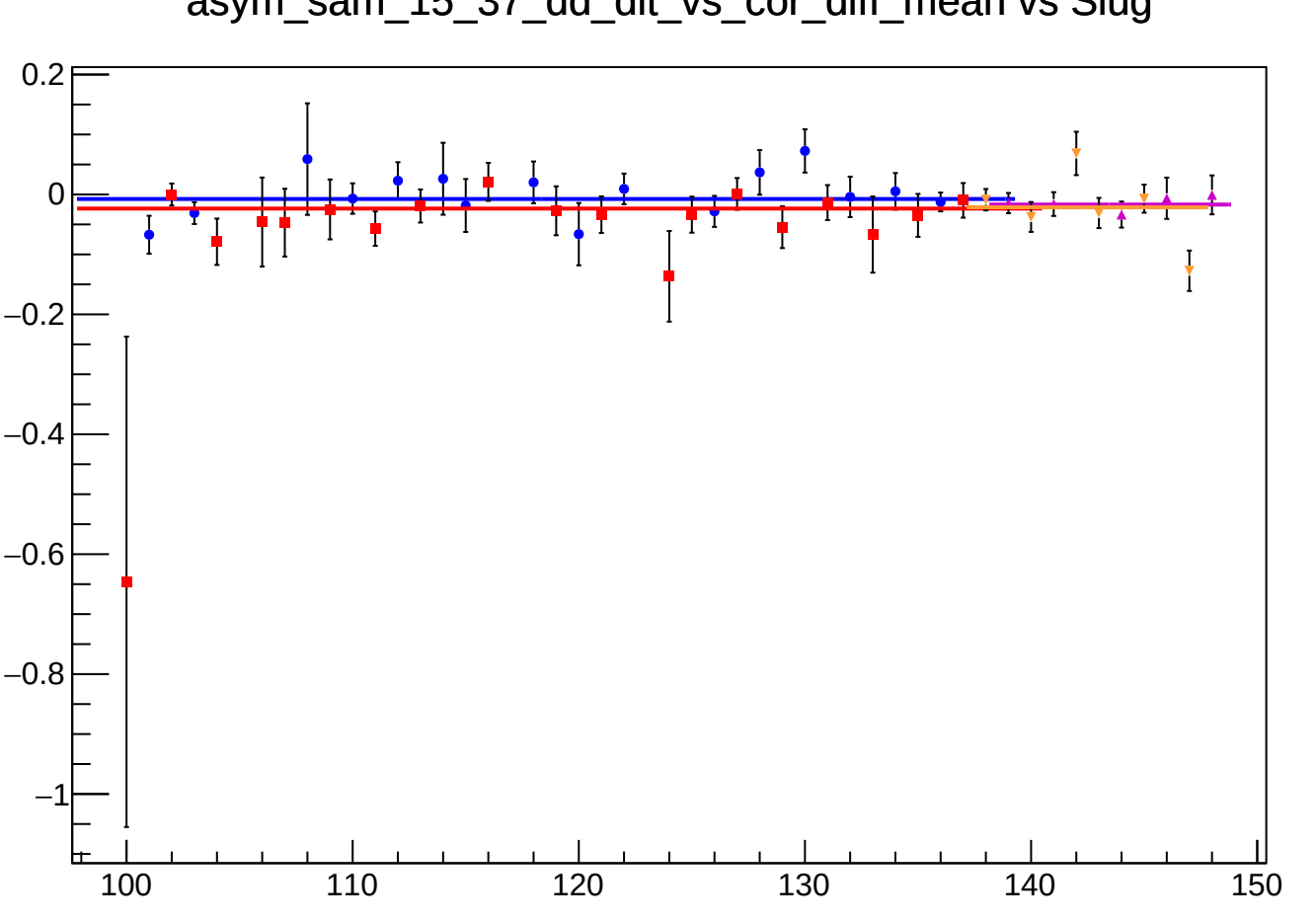
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:41270.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2599260.8/21

All: 0.000+/-0.000 χ^2/NDF: 4760768.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2122206.2/23



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

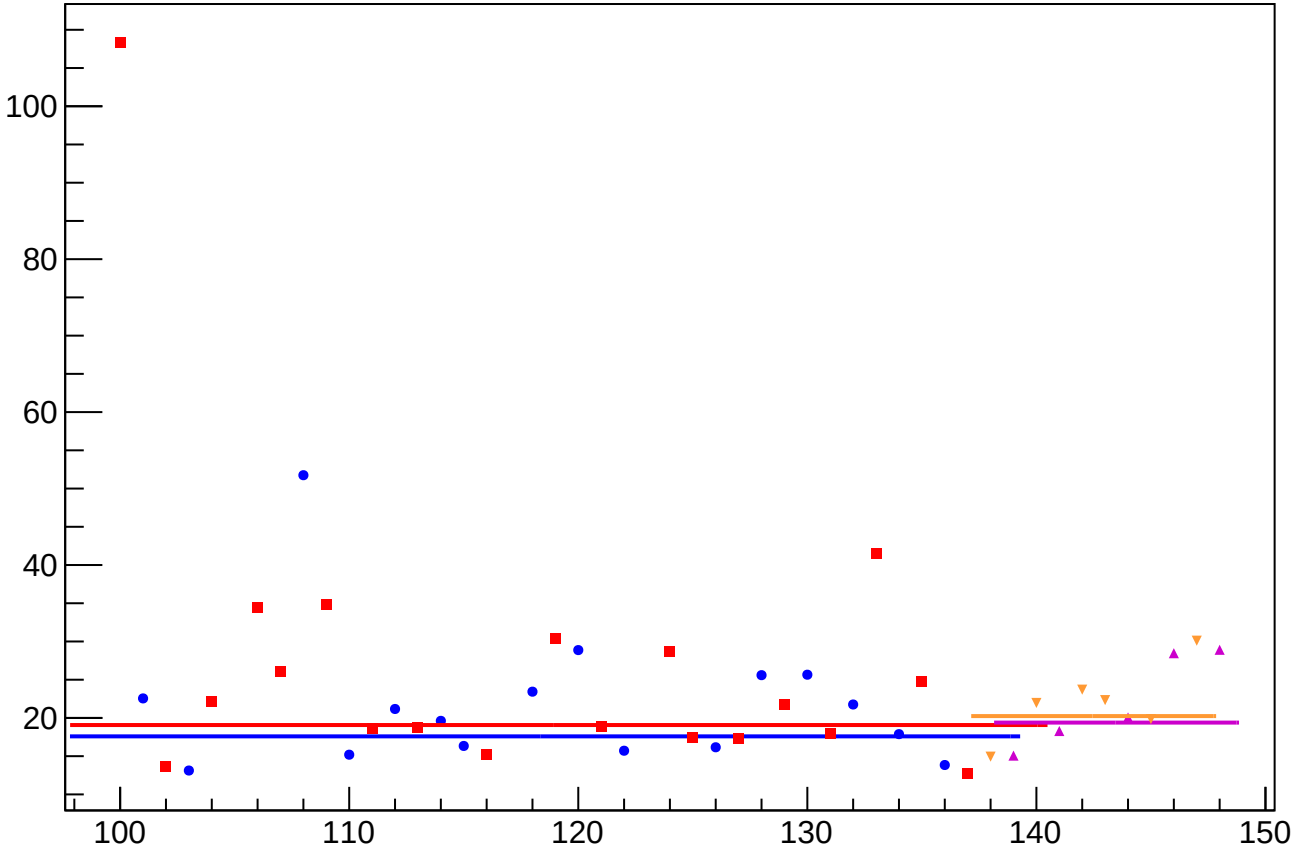
Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.016+/-0.004 χ^2/NDF: 52.4/45

- sign -0.021+/-0.006 χ^2/NDF: 15.9/23

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

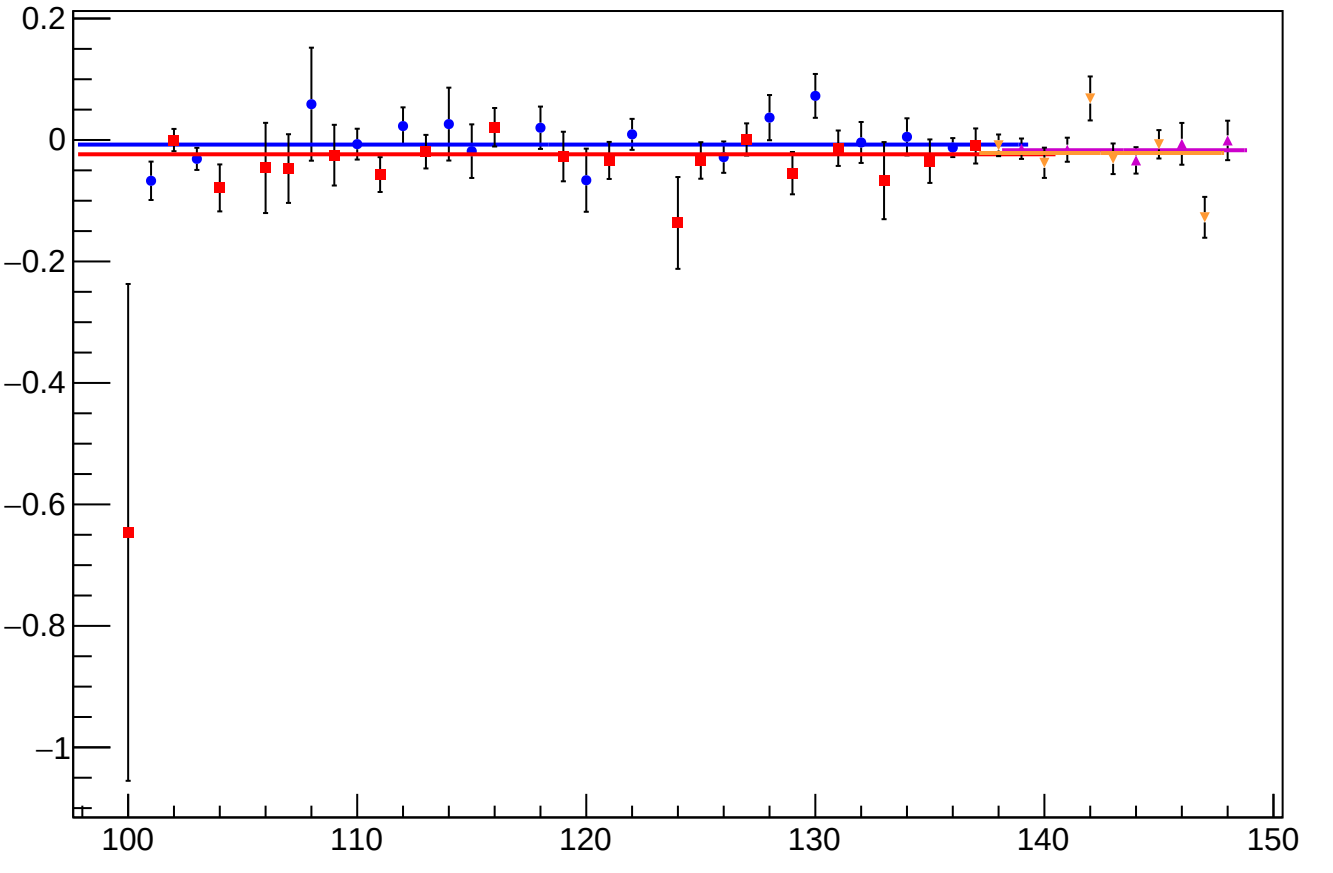
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

+ sign 18.485+/-0.004 χ^2/NDF: 1475779.2/21

All: 18.823+/-0.003 χ^2/NDF: 3190146.5/45

- sign 19.192+/-0.004 χ^2/NDF: 1700474.2/23



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

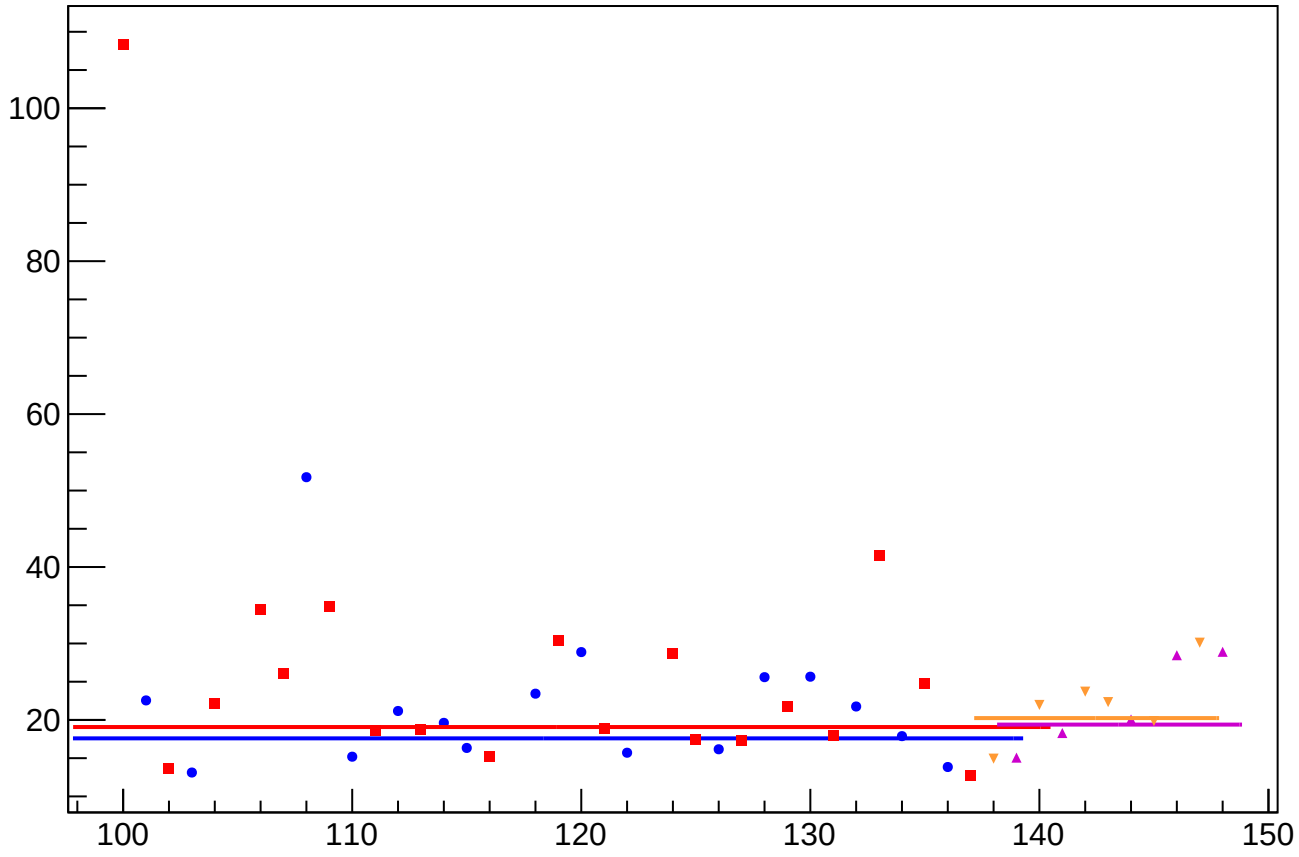
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.016+/-0.004 χ^2/NDF: 52.4/45

- sign -0.021+/-0.006 χ^2/NDF: 15.9/23



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

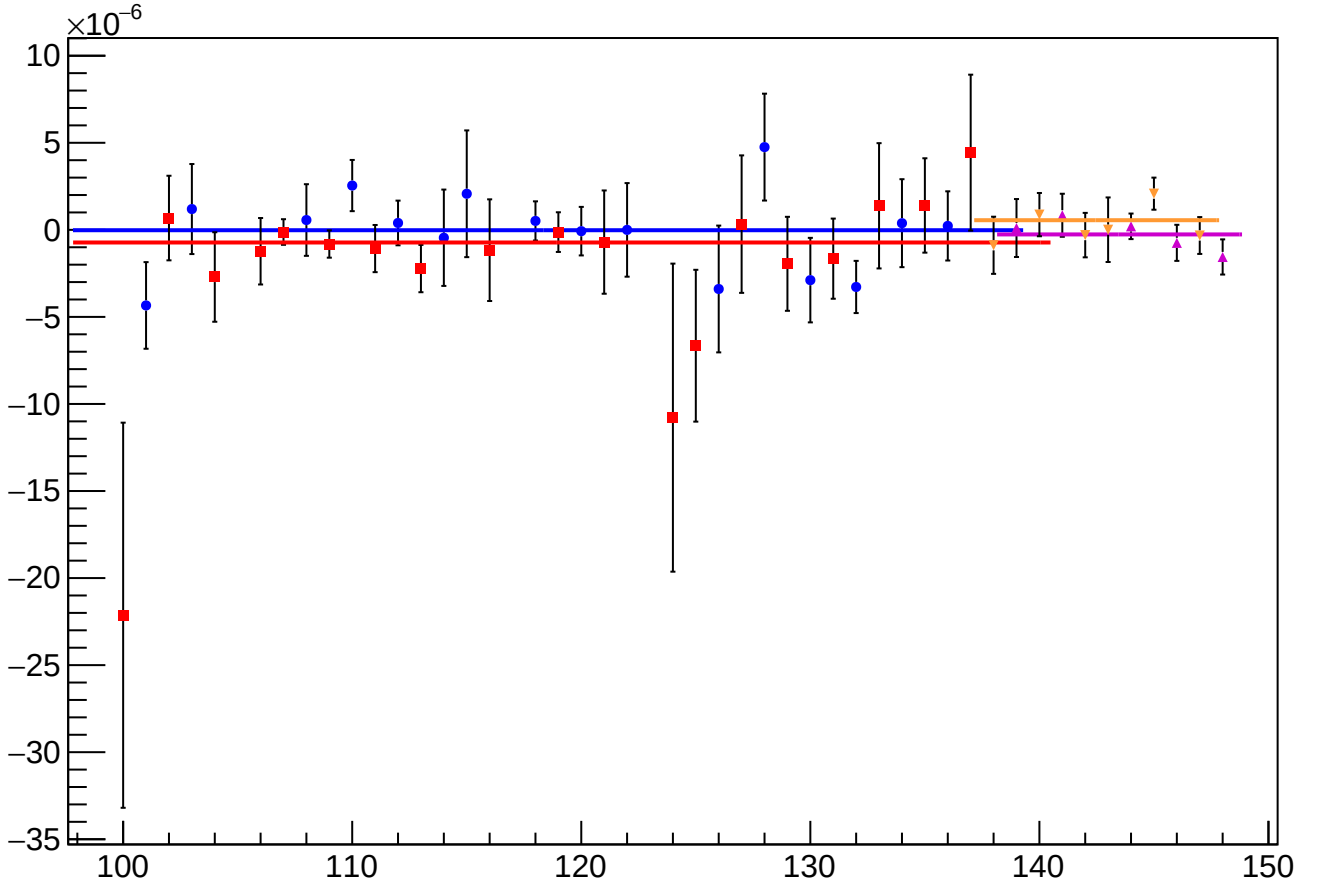
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

+ sign 18.485+/-0.004 χ^2/NDF: 1475779.2/21

All: 18.823+/-0.003 χ^2/NDF: 3190146.5/45

- sign 19.192+/-0.004 χ^2/NDF: 1700474.2/23



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

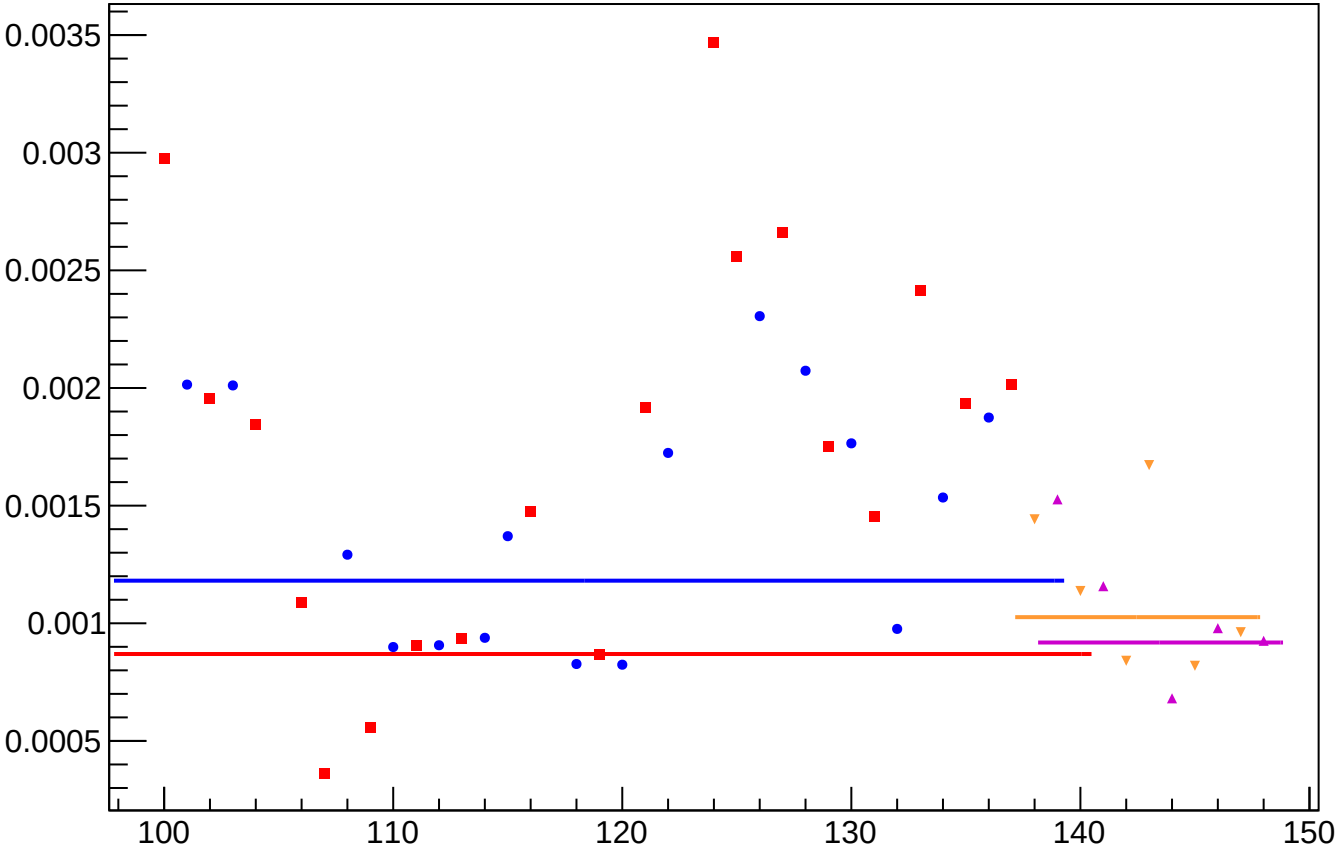
Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 41.6/45

- sign -0.000+/-0.000 χ^2/NDF: 16.6/23

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:537574.3/5

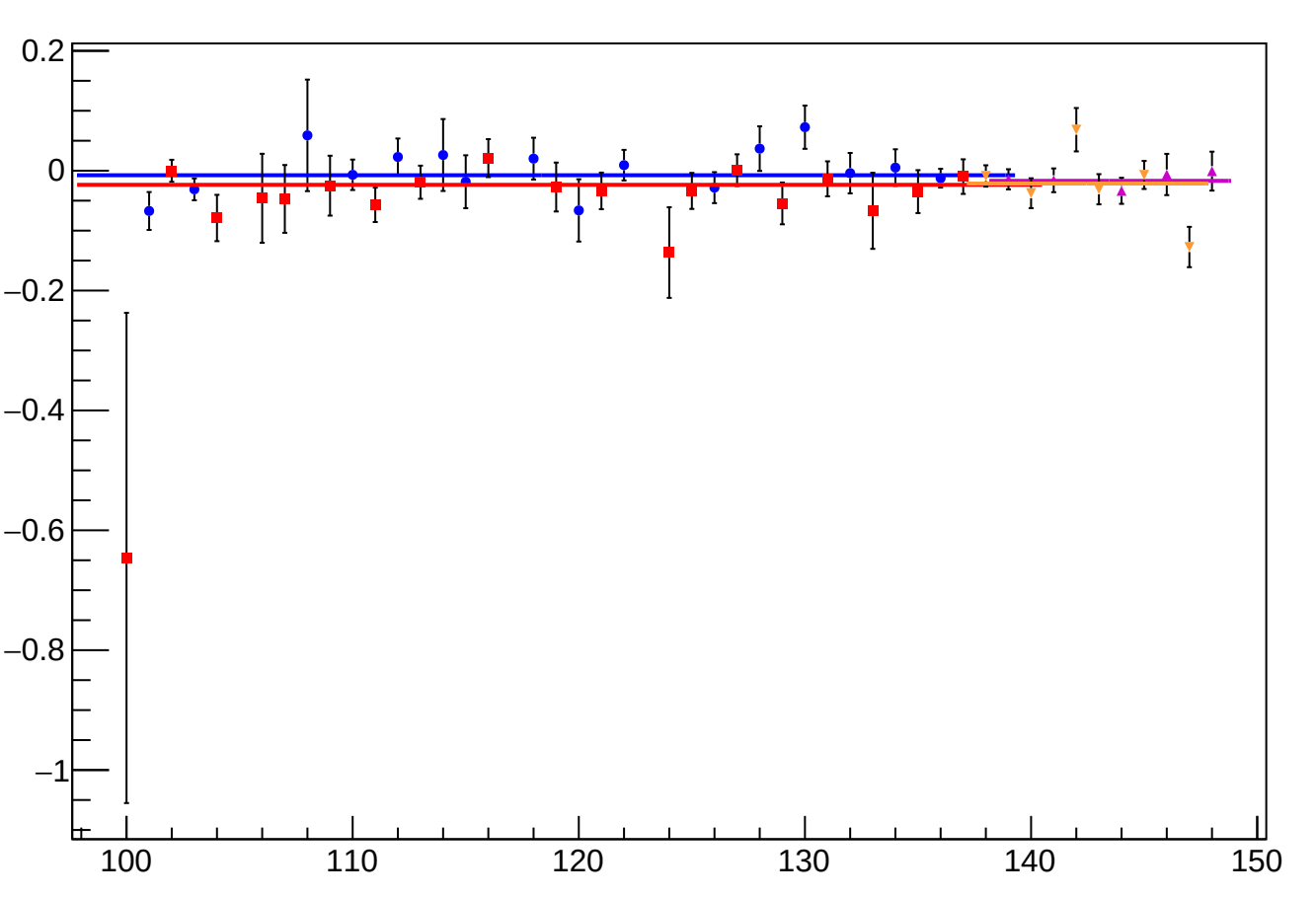
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:558415.3/4

+ sign 0.001+/-0.000 χ^2/NDF: 2467329.7/21

All: 0.001+/-0.000 χ^2/NDF: 7943097.5/45

- sign 0.001+/-0.000 χ^2/NDF: 5007252.2/23



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

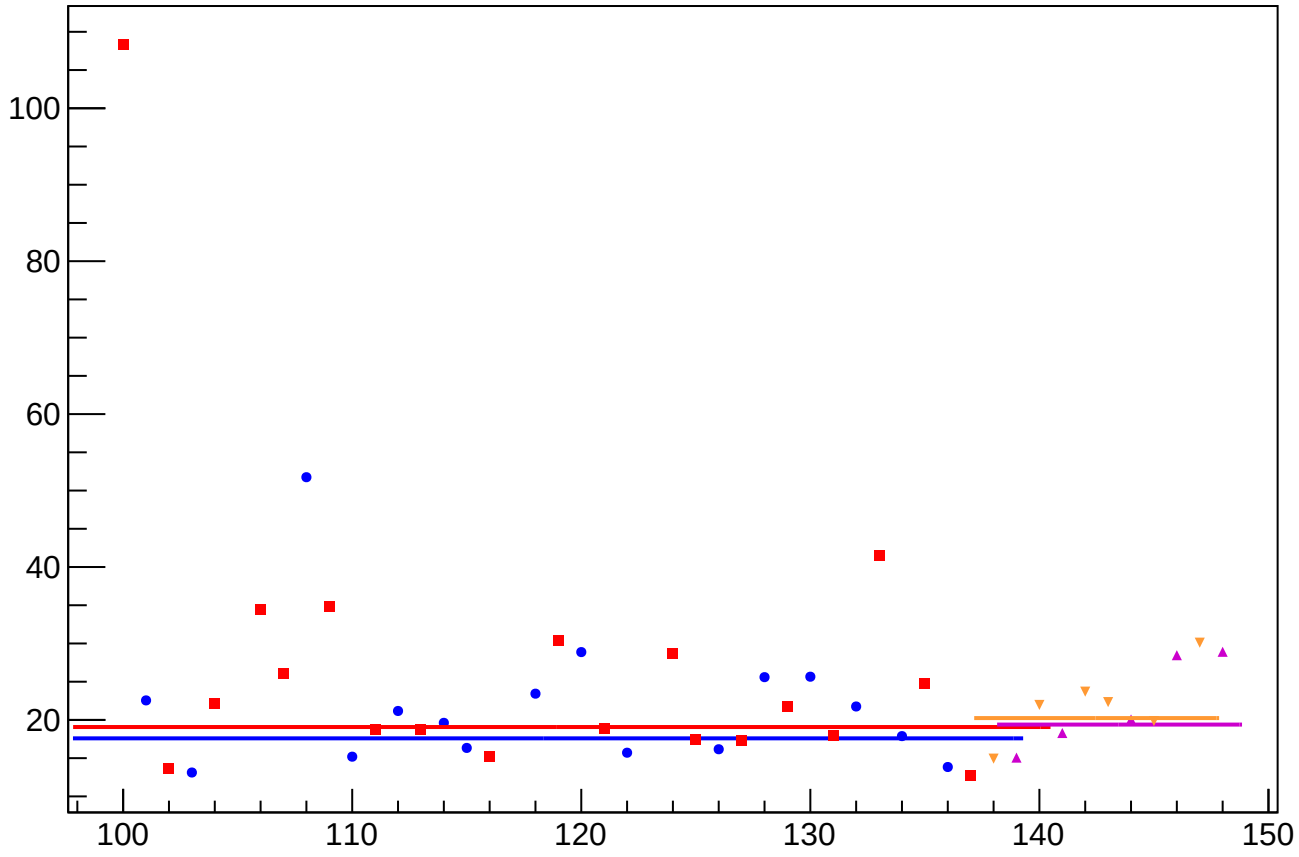
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.016+/-0.004 χ^2/NDF: 52.4/45

- sign -0.021+/-0.006 χ^2/NDF: 15.9/23



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.242+/-0.007 χ^2/NDF:391113.9/5

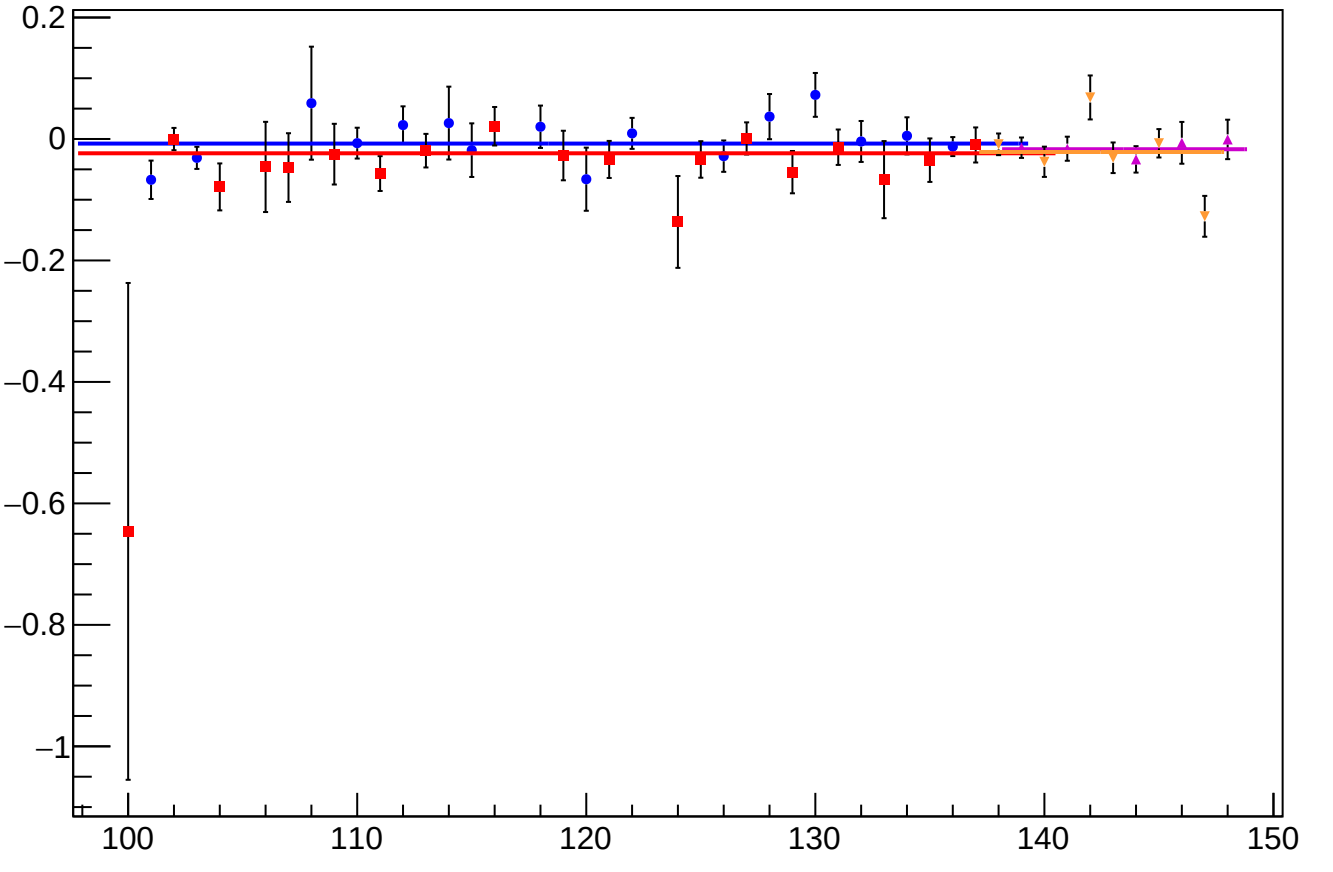
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

+ sign 18.485+/-0.004 χ^2/NDF: 1475820.3/21

All: 18.823+/-0.003 χ^2/NDF: 3190093.7/45

- sign 19.192+/-0.004 χ^2/NDF: 1700371.4/23



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

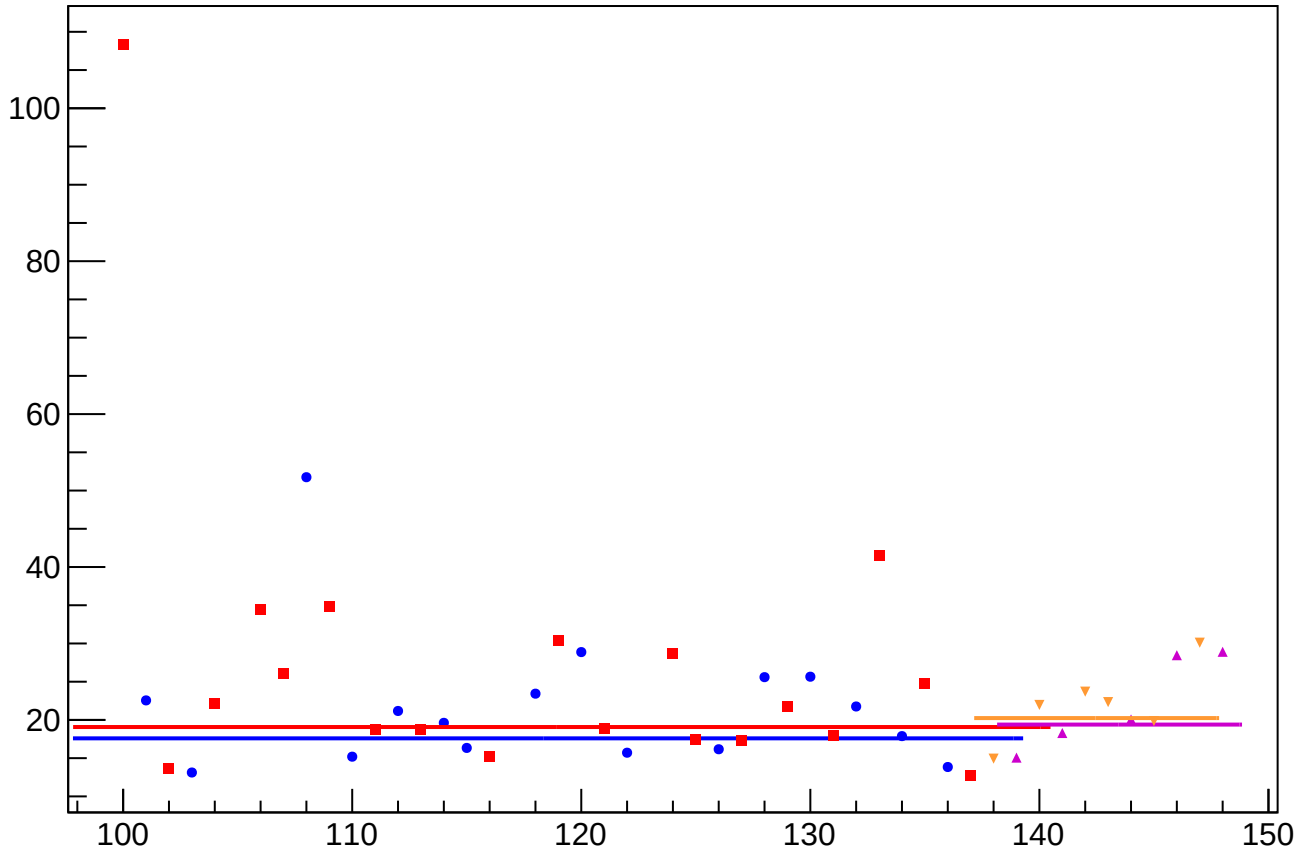
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/21

All: -0.016+/-0.004 χ^2/NDF: 52.4/45

- sign -0.021+/-0.006 χ^2/NDF: 15.9/23



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.242+/-0.007 χ^2/NDF:391113.9/5

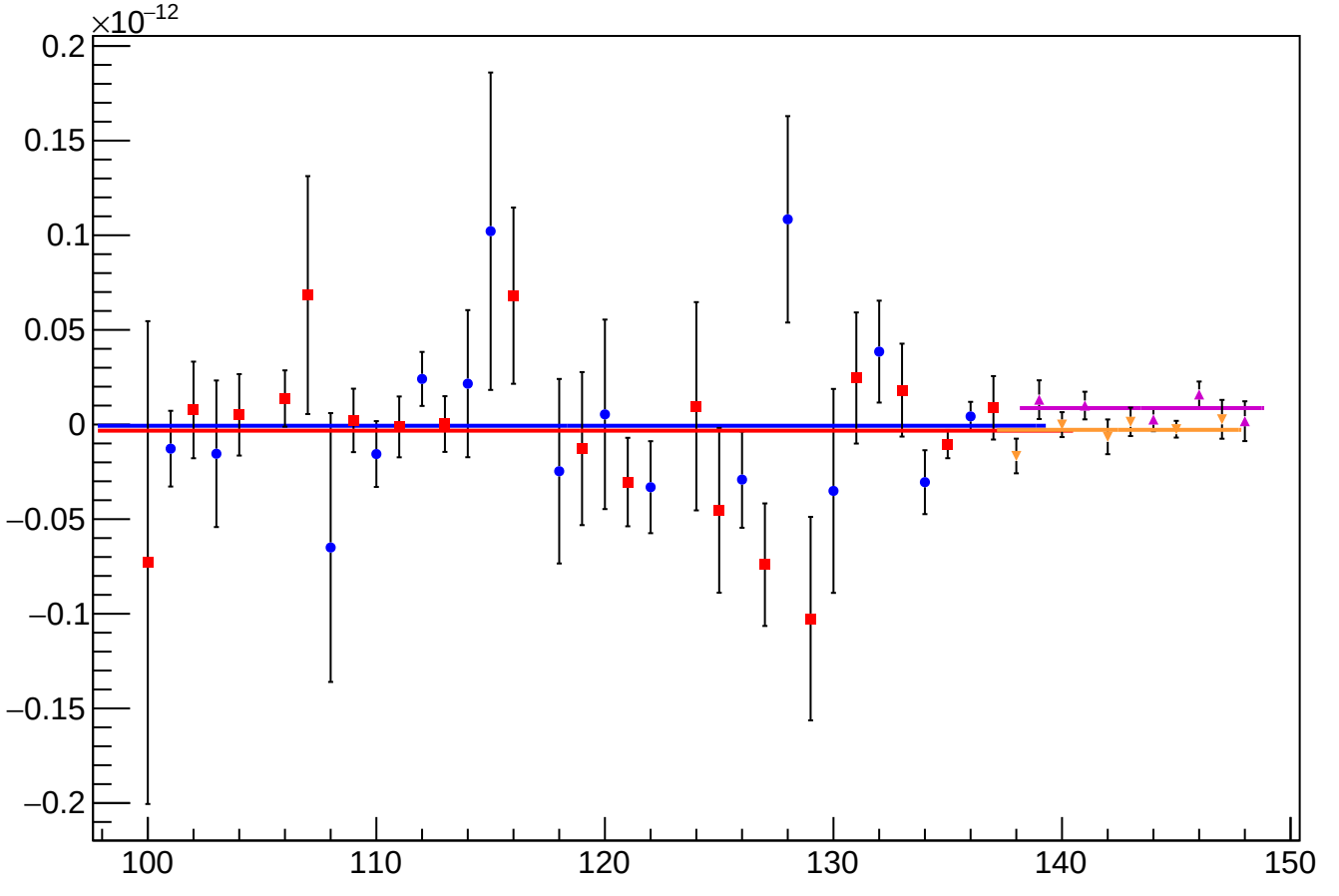
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

+ sign 18.485+/-0.004 χ^2/NDF: 1475820.3/21

All: 18.823+/-0.003 χ^2/NDF: 3190093.7/45

- sign 19.192+/-0.004 χ^2/NDF: 1700371.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/5

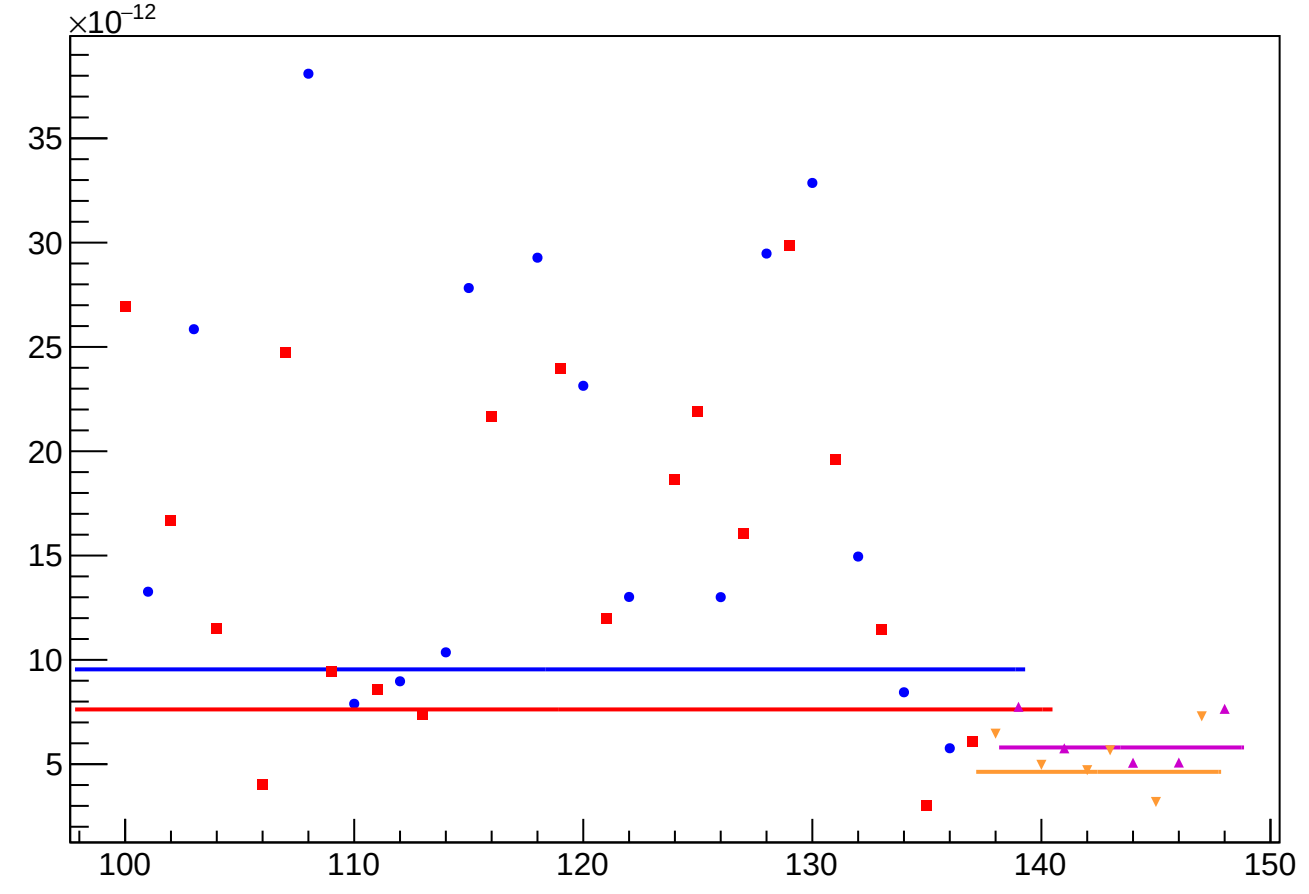
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/21

All: 0.000+/-0.000 χ^2/NDF: 53.2/45

- sign 0.000+/-0.000 χ^2/NDF: 26.4/23



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

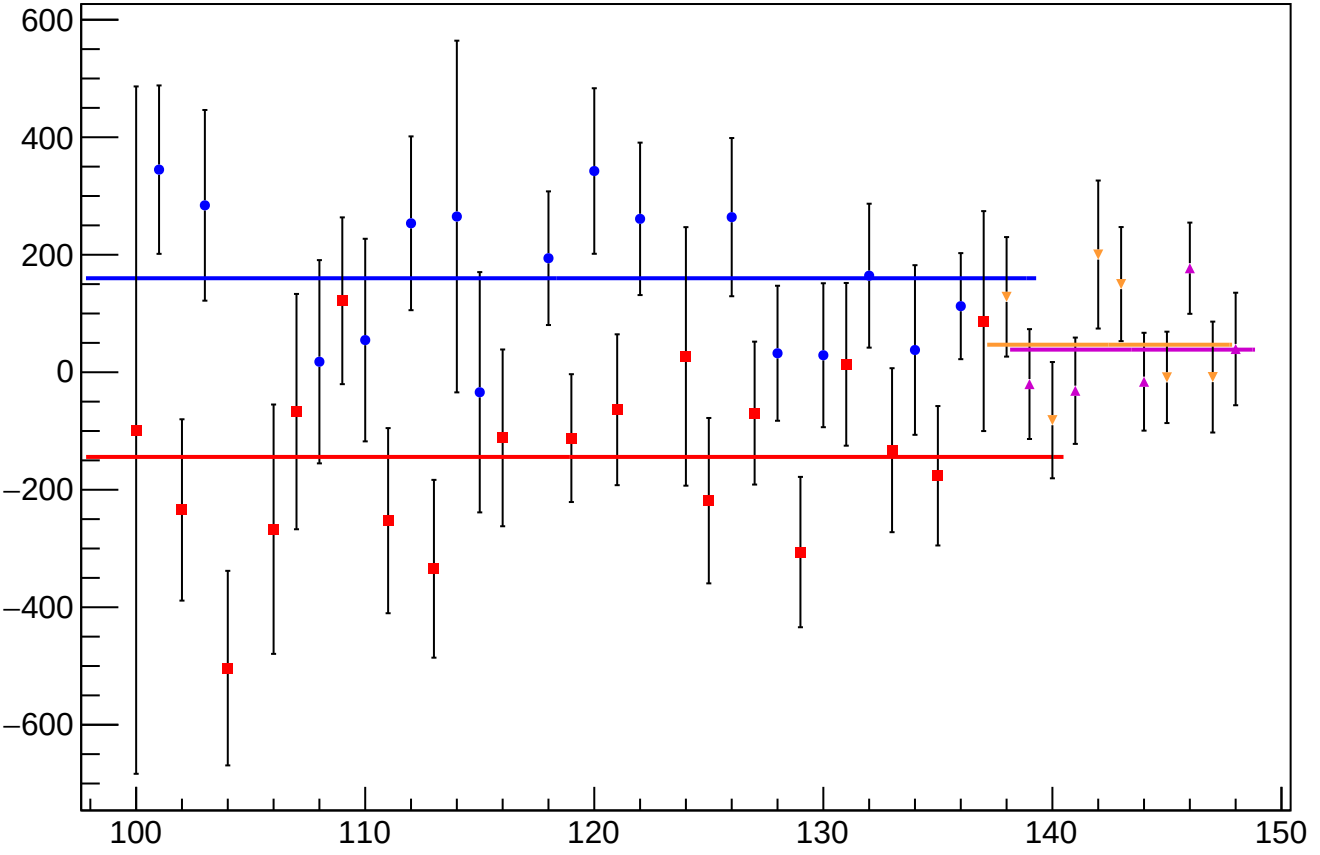
Left In: 0.000+/-0.000 χ^2/NDF:185176.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4537223.3/21

All: 0.000+/-0.000 χ^2/NDF: 8084542.2/45

- sign 0.000+/-0.000 χ^2/NDF: 3479533.2/23

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

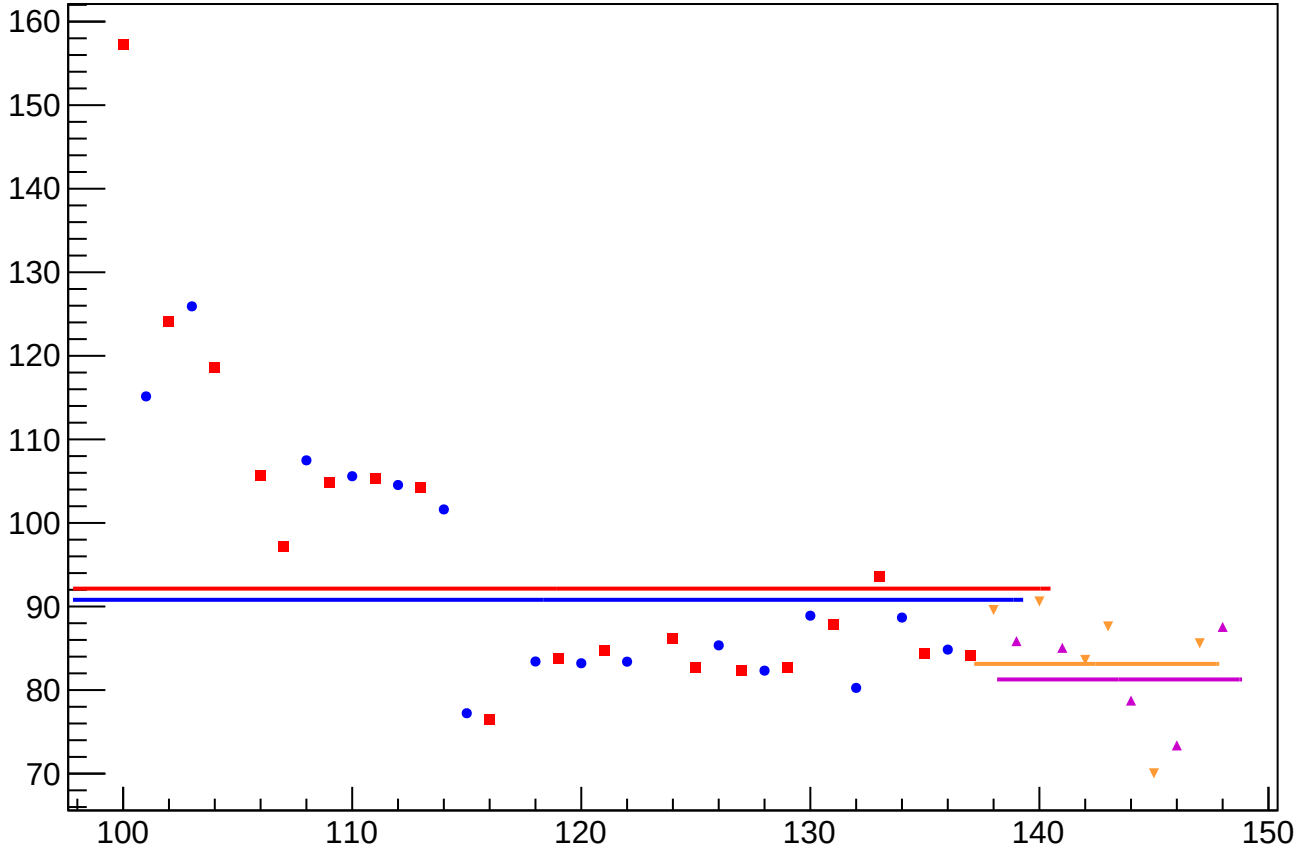
Left In: 38.497+/-39.052 χ^2/NDF:4.6/4

+ sign 111.401+/-25.803 χ^2/NDF: 21.6/21

All: 23.056+/-18.221 χ^2/NDF: 79.3/45

- sign -64.818+/-25.734 χ^2/NDF: 34.4/23

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

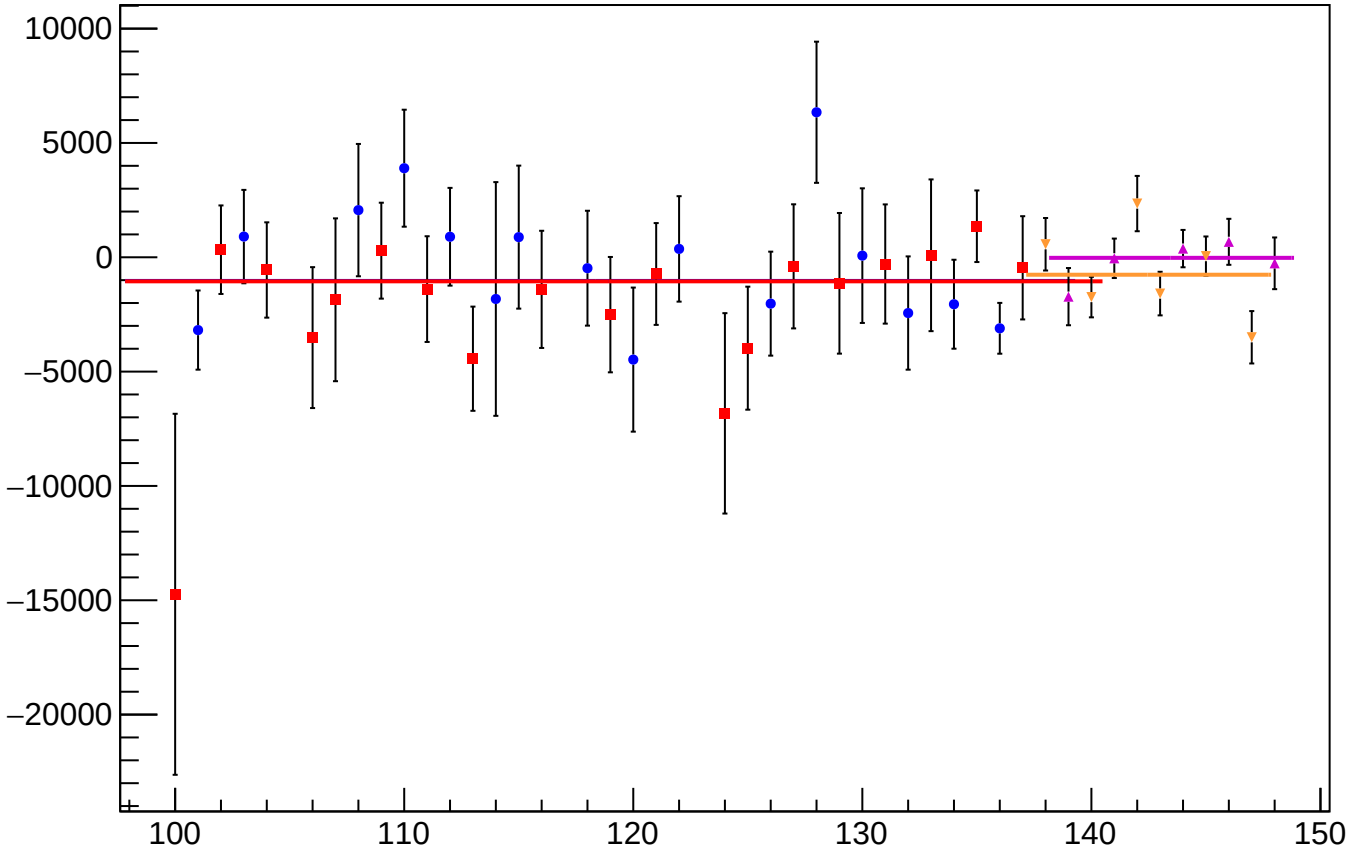
Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

+ sign 87.507+/-0.018 χ^2/NDF: 397830.1/21

All: 87.464+/-0.013 χ^2/NDF: 827020.0/45

- sign 87.420+/-0.018 χ^2/NDF: 429178.6/23

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

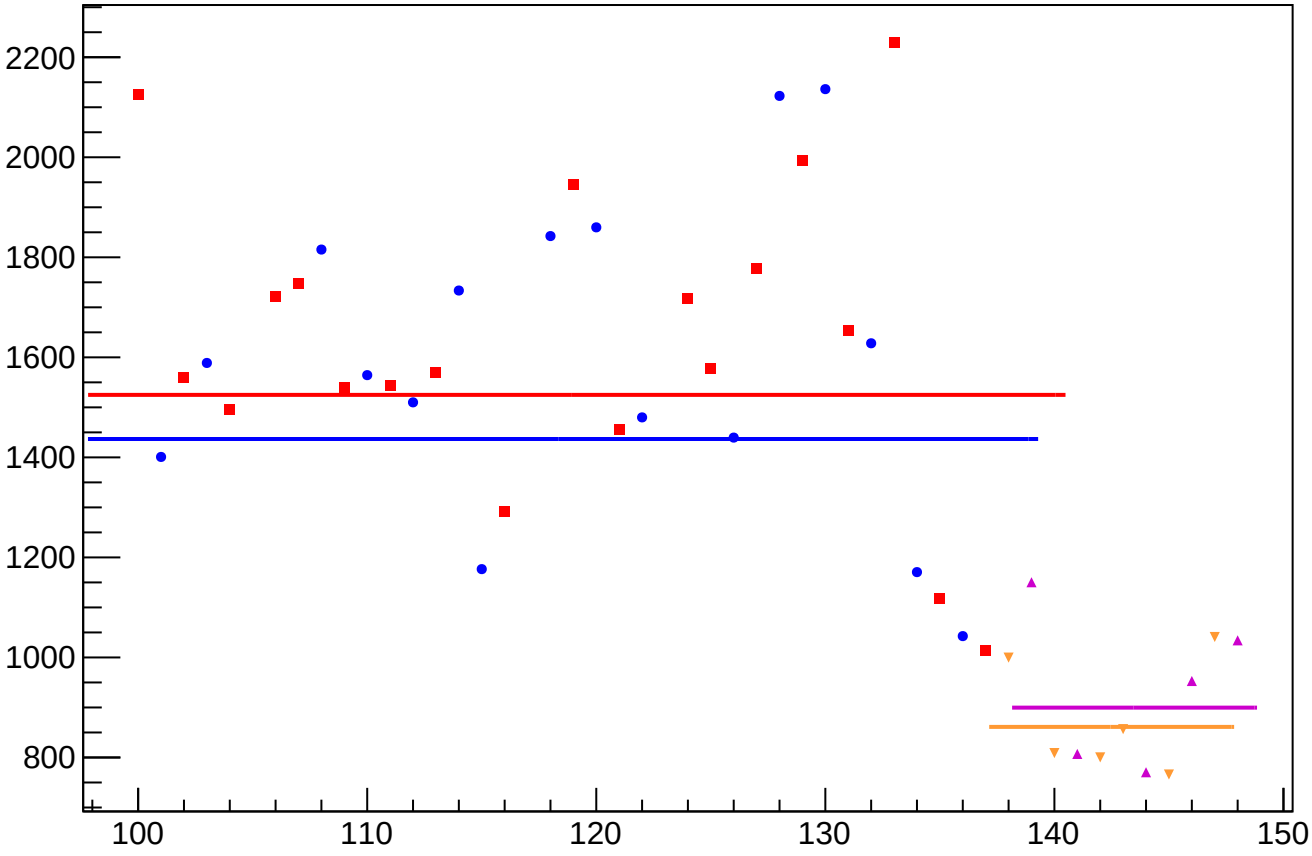
Left In: -24.577+/-436.272 χ^2/NDF:2.6/4

+ sign -860.405+/-329.042 χ^2/NDF: 36.9/21

All: -644.190+/-238.504 χ^2/NDF: 55.4/45

- sign -404.836+/-346.202 χ^2/NDF: 17.6/23

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

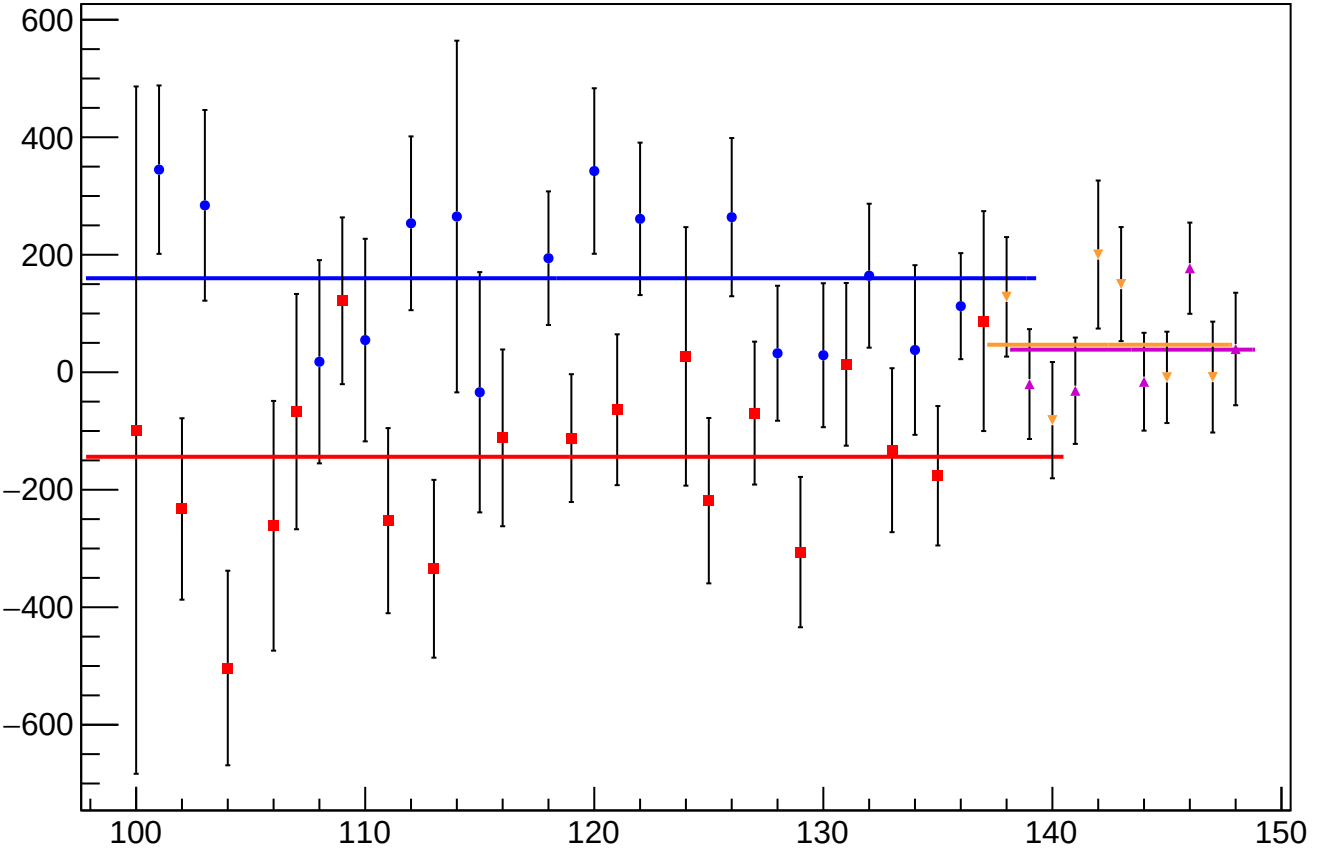
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1067.006+/-0.233 χ^2/NDF: 2196605.2/21

All: 1097.476+/-0.169 χ^2/NDF: 4445874.8/45

- sign 1131.208+/-0.245 χ^2/NDF: 2213132.4/23

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

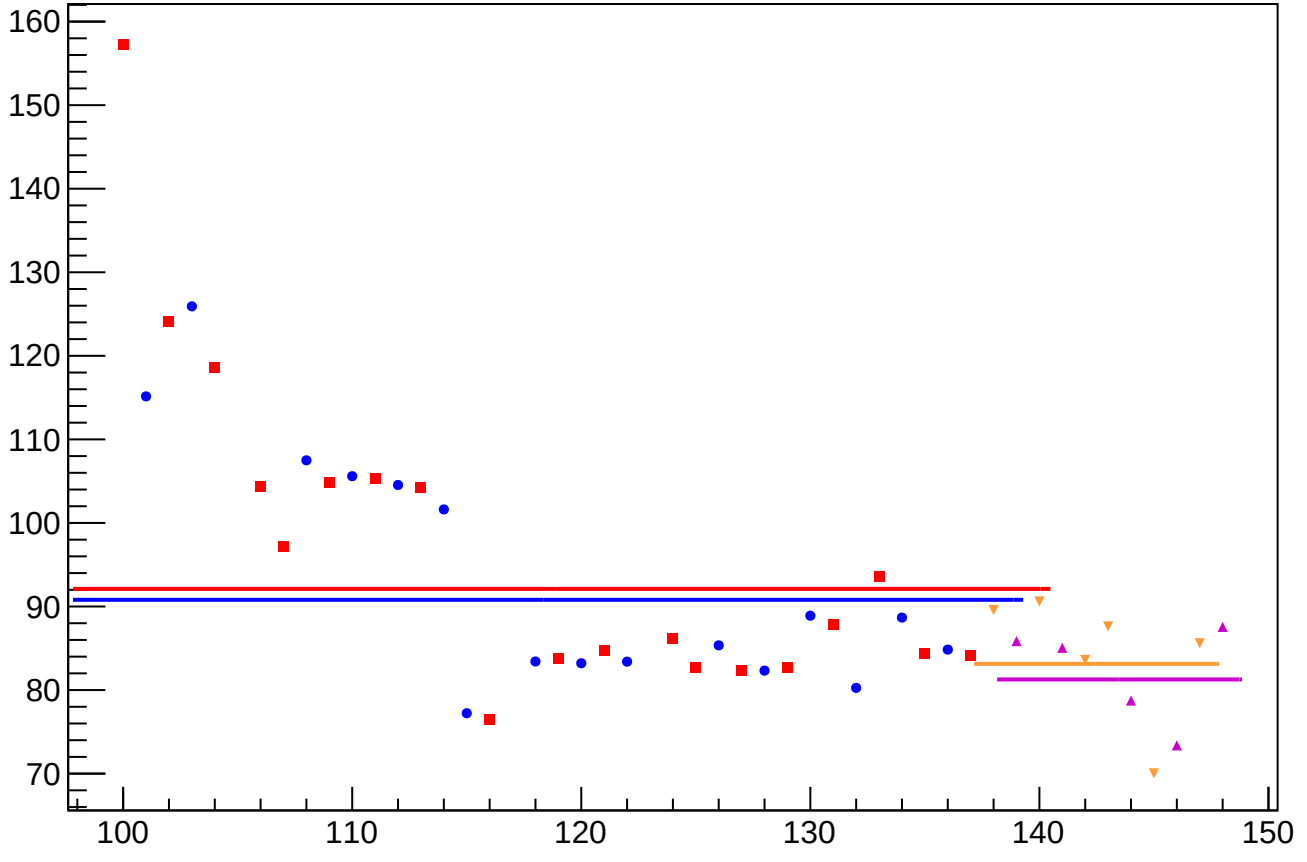
Left In: 38.490+/-39.052 χ^2/NDF:4.6/4

+ sign 111.400+/-25.803 χ^2/NDF: 21.6/21

All: 23.132+/-18.221 χ^2/NDF: 79.2/45

- sign -64.671+/-25.735 χ^2/NDF: 34.3/23

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

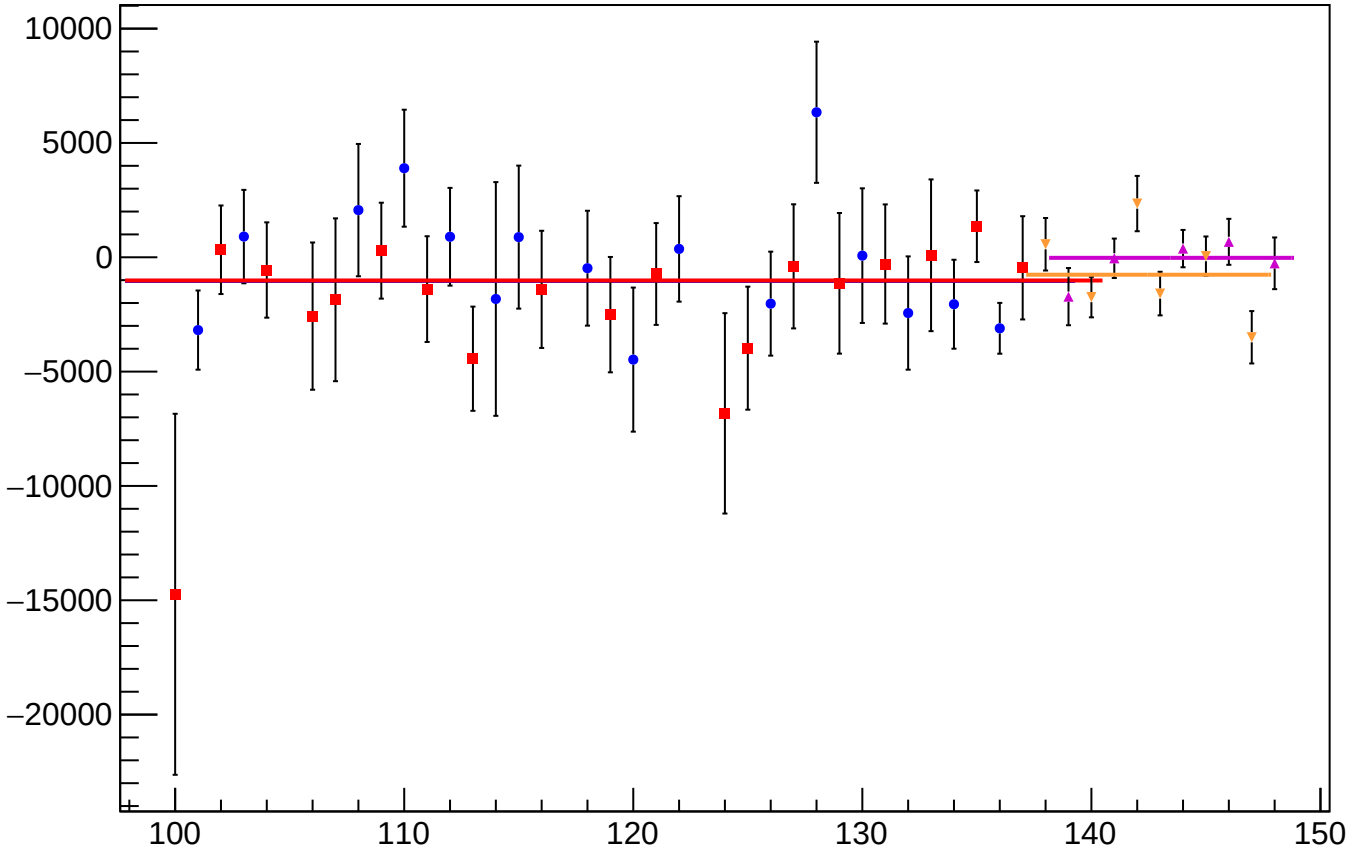
Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

\+ sign 87.507+/-0.018 χ^2/NDF: 397831.9/21

All: 87.454+/-0.013 χ^2/NDF: 825225.4/45

\- sign 87.401+/-0.018 χ^2/NDF: 427376.6/23

asym_sam_24_68_dd_cor_correction_mean vs Slug



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

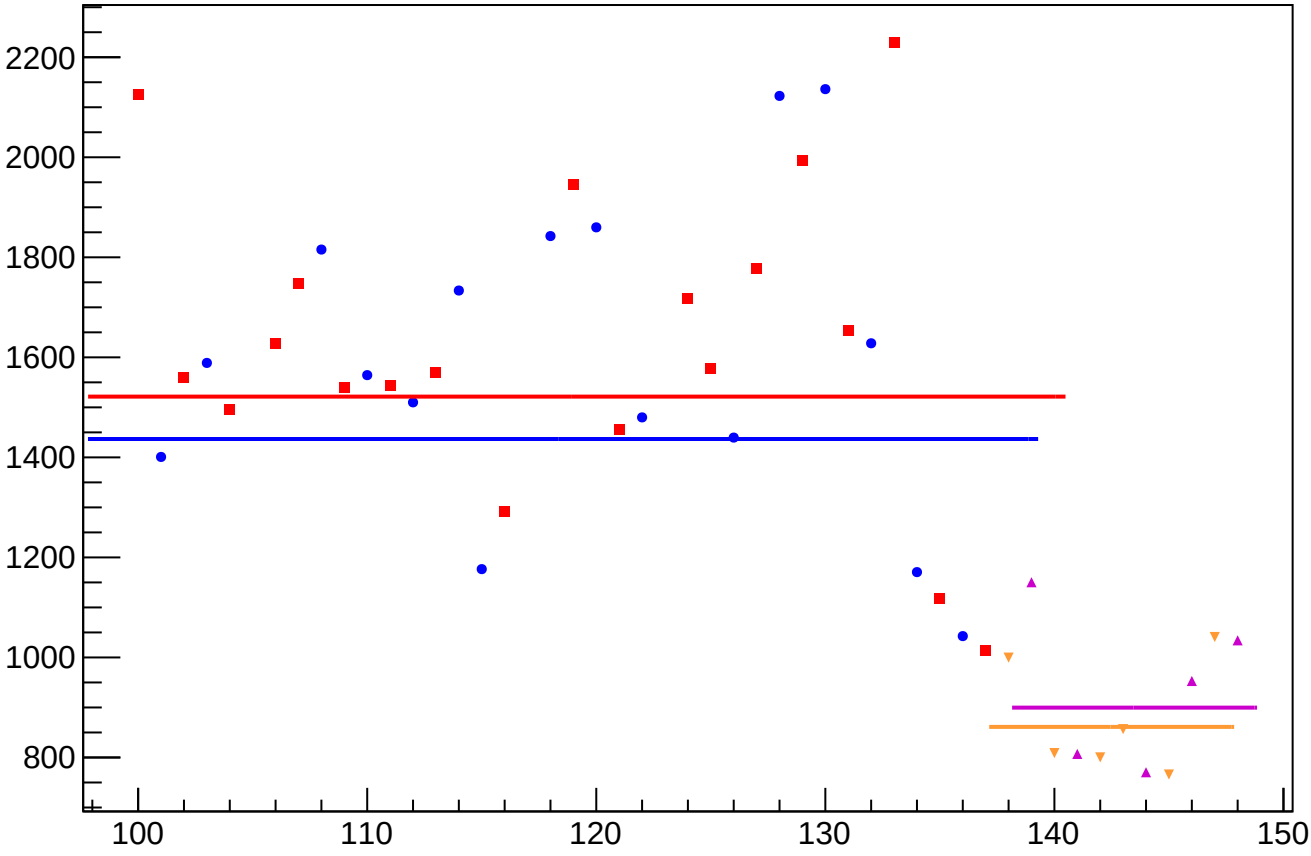
Left In: -24.593+/-436.272 χ^2/NDF:2.6/4

+ sign -860.391+/-329.043 χ^2/NDF: 36.9/21

All: -637.643+/-238.566 χ^2/NDF: 54.9/45

- sign -390.788+/-346.391 χ^2/NDF: 17.0/23

asym_sam_24_68_dd_cor_correction_rms vs Slug



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

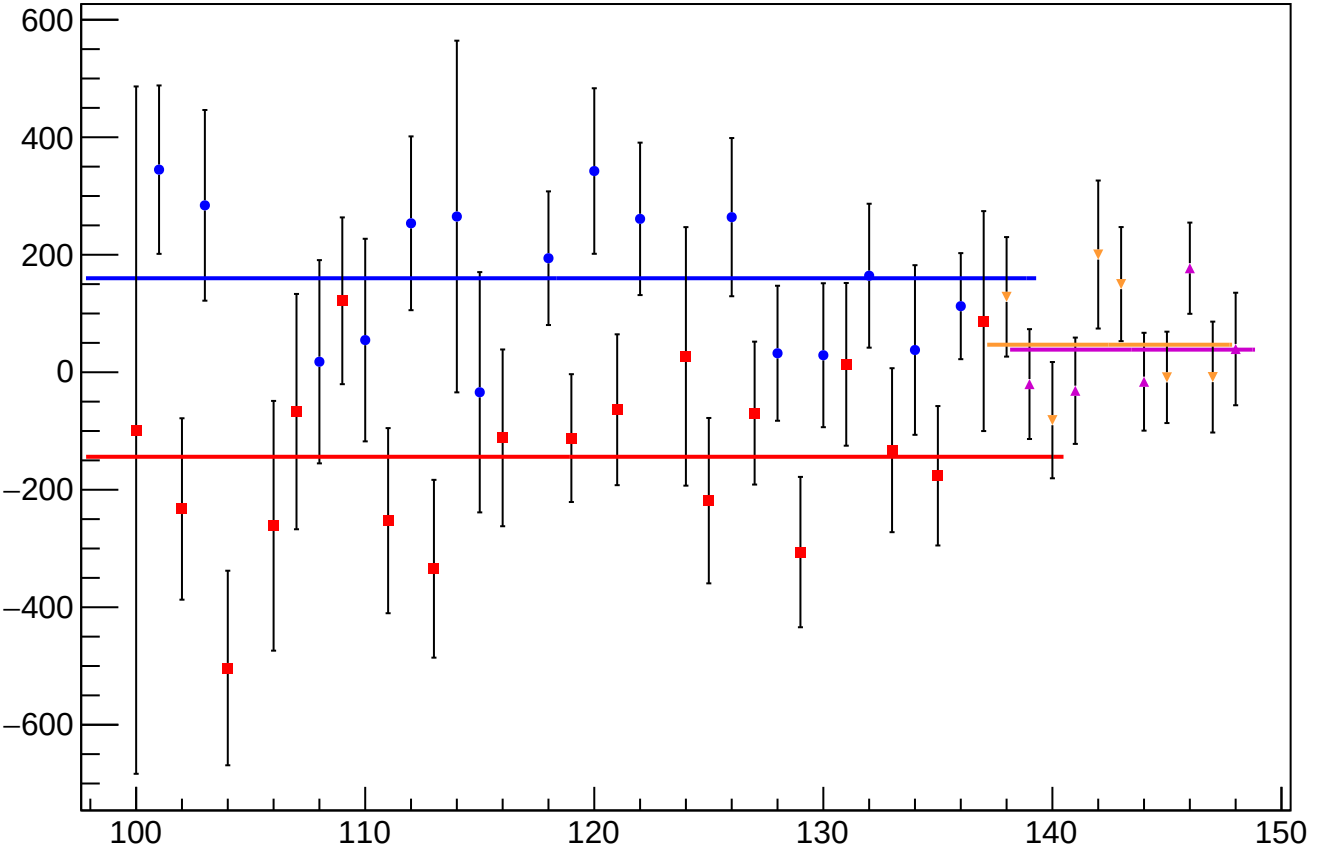
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1067.006+/-0.233 χ^2/NDF: 2196628.5/21

All: 1096.649+/-0.169 χ^2/NDF: 4418208.6/45

- sign 1129.500+/-0.245 χ^2/NDF: 2187359.3/23

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

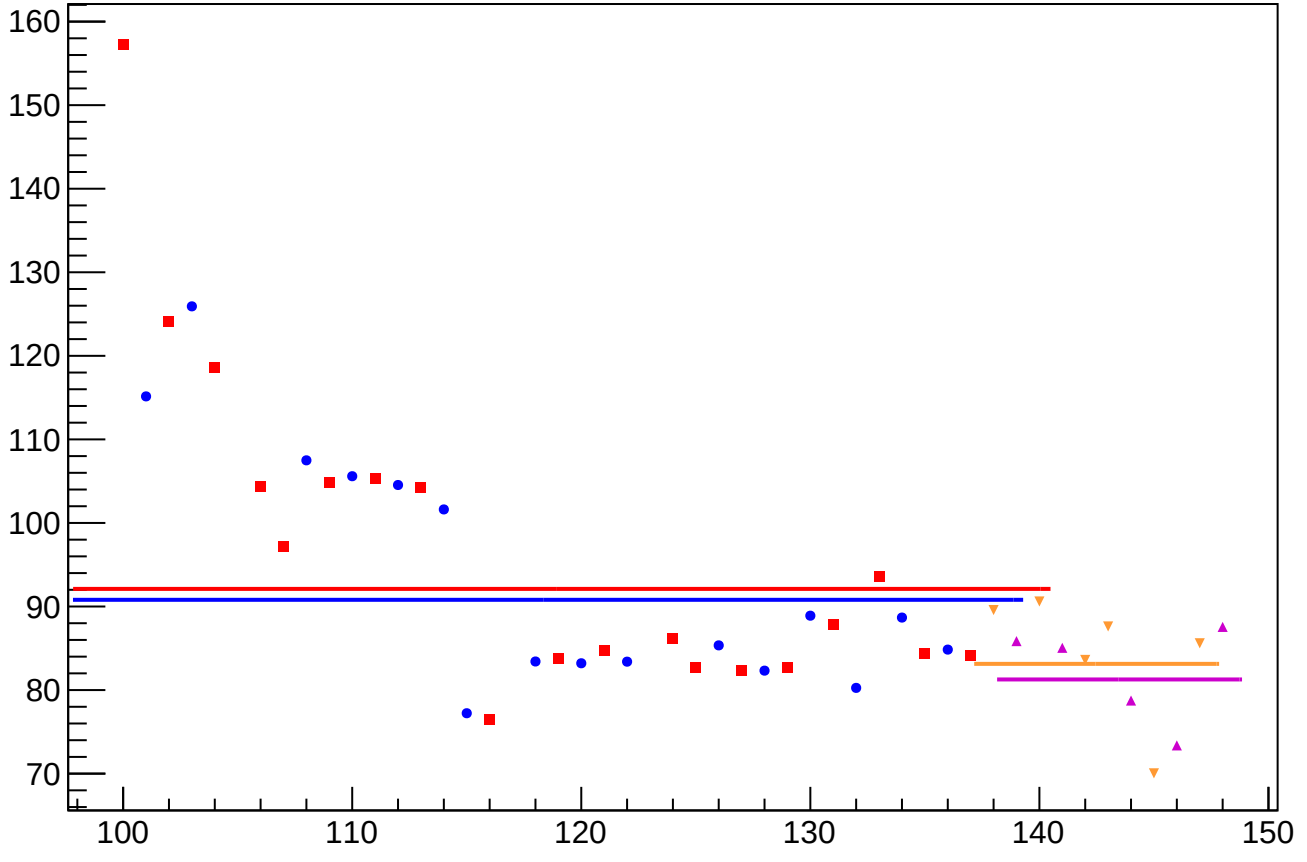
Left In: 38.490+/-39.052 χ^2/NDF:4.6/4

+ sign 111.400+/-25.803 χ^2/NDF: 21.6/21

All: 23.132+/-18.221 χ^2/NDF: 79.2/45

- sign -64.671+/-25.735 χ^2/NDF: 34.3/23

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

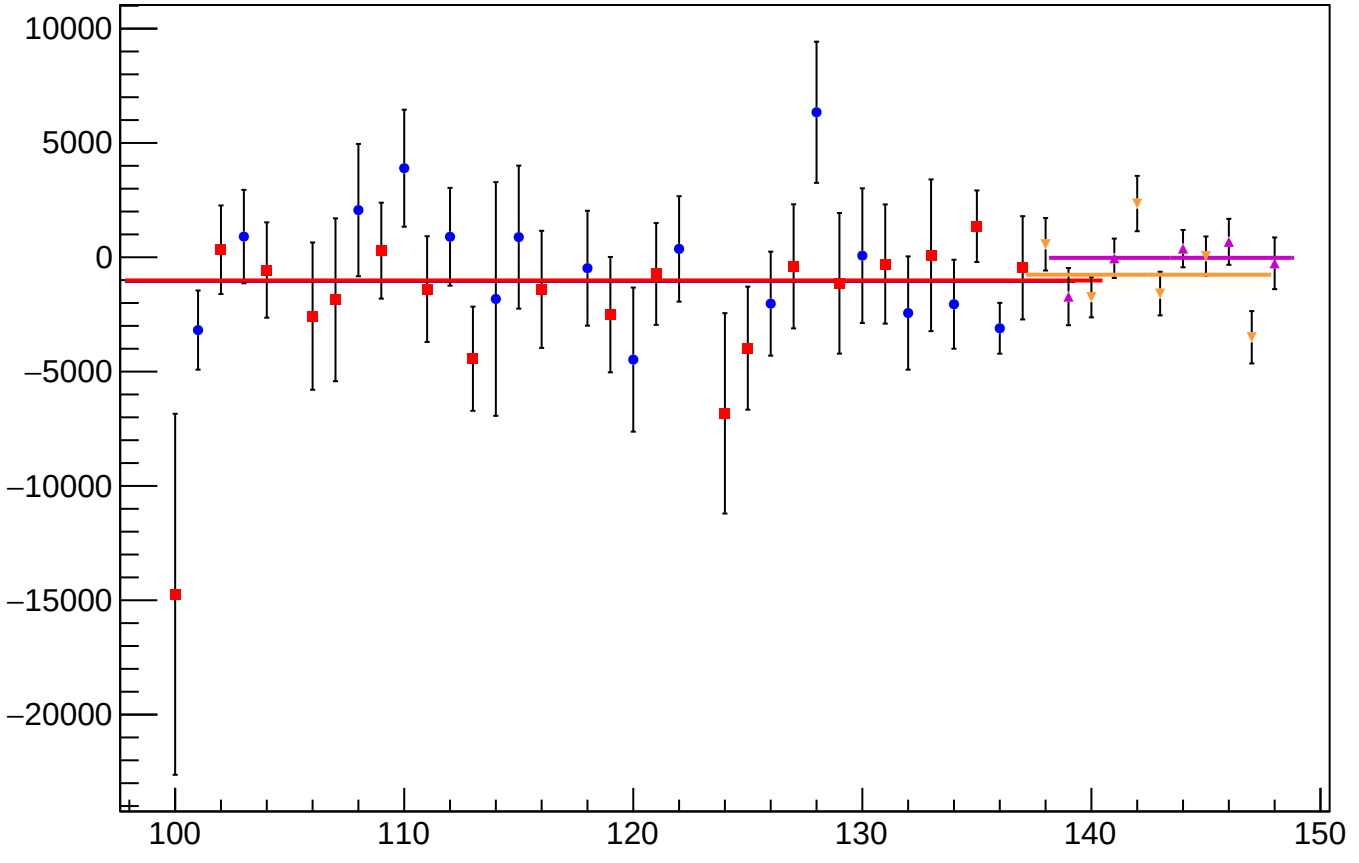
Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

\+ sign 87.507+/-0.018 χ^2/NDF: 397831.9/21

All: 87.454+/-0.013 χ^2/NDF: 825225.4/45

\- sign 87.401+/-0.018 χ^2/NDF: 427376.6/23

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

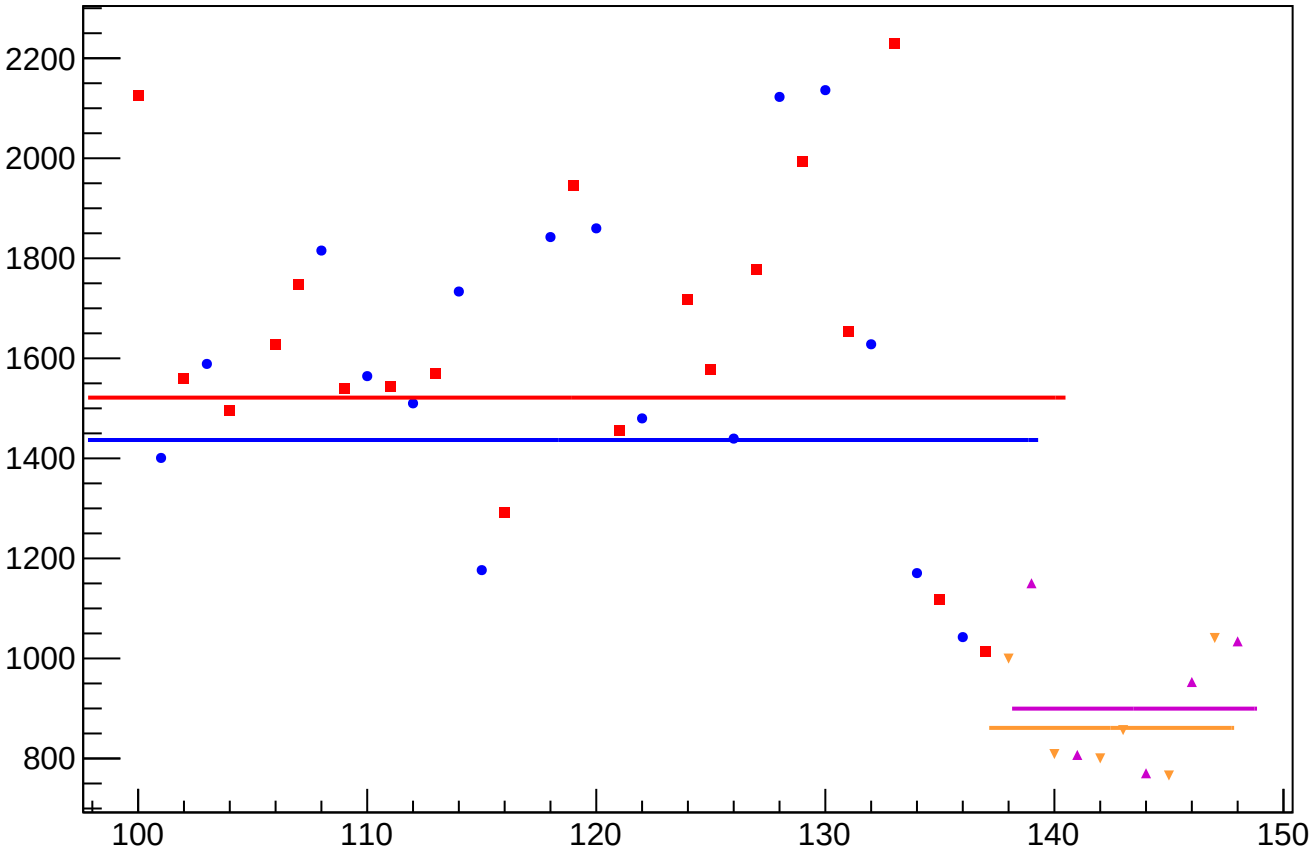
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -24.593+/-436.272 χ^2/NDF:2.6/4

+ sign -860.391+/-329.043 χ^2/NDF: 36.9/21

All: -637.643+/-238.566 χ^2/NDF: 54.9/45

- sign -390.788+/-346.391 χ^2/NDF: 17.0/23



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

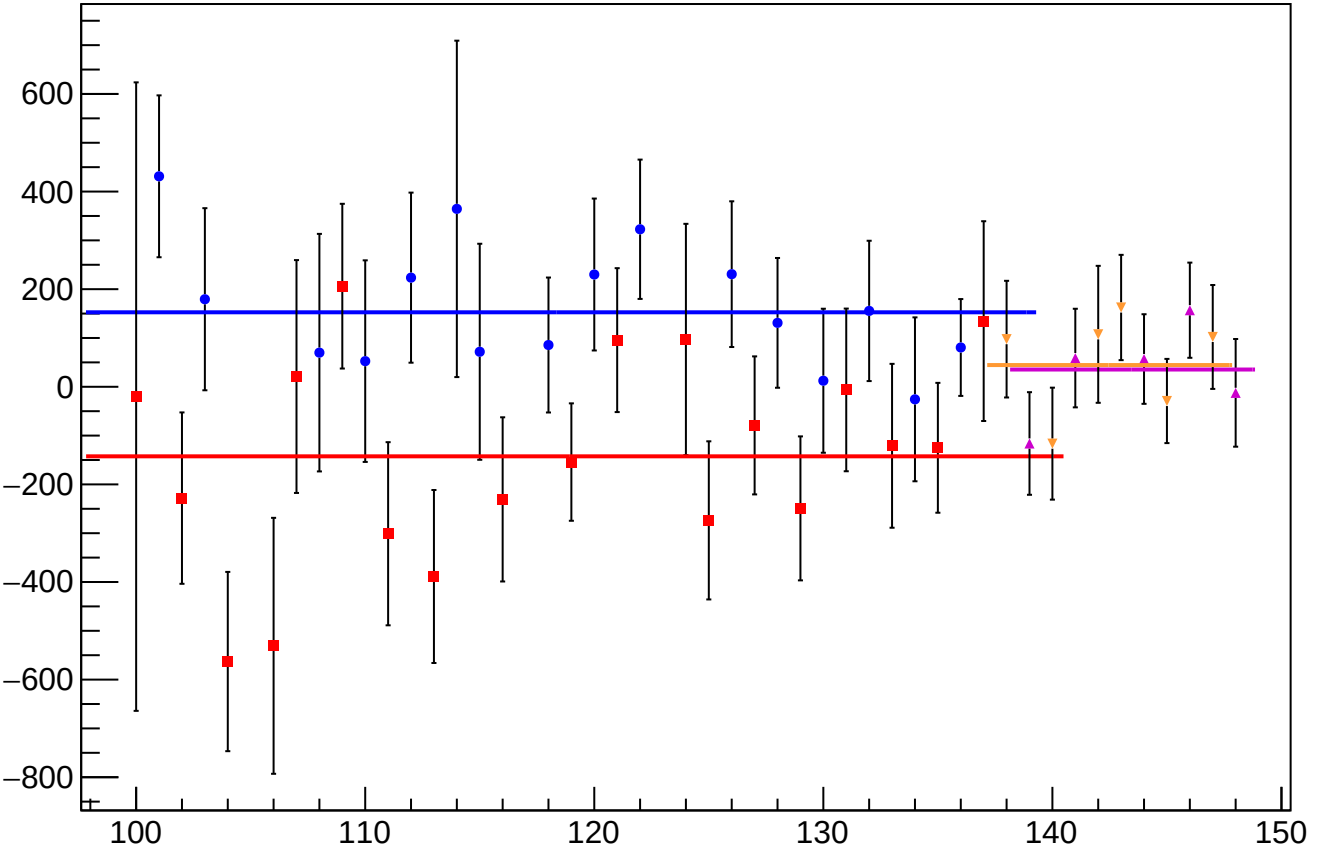
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1067.006+/-0.233 χ^2/NDF: 2196628.5/21

All: 1096.649+/-0.169 χ^2/NDF: 4418208.6/45

- sign 1129.500+/-0.245 χ^2/NDF: 2187359.3/23

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

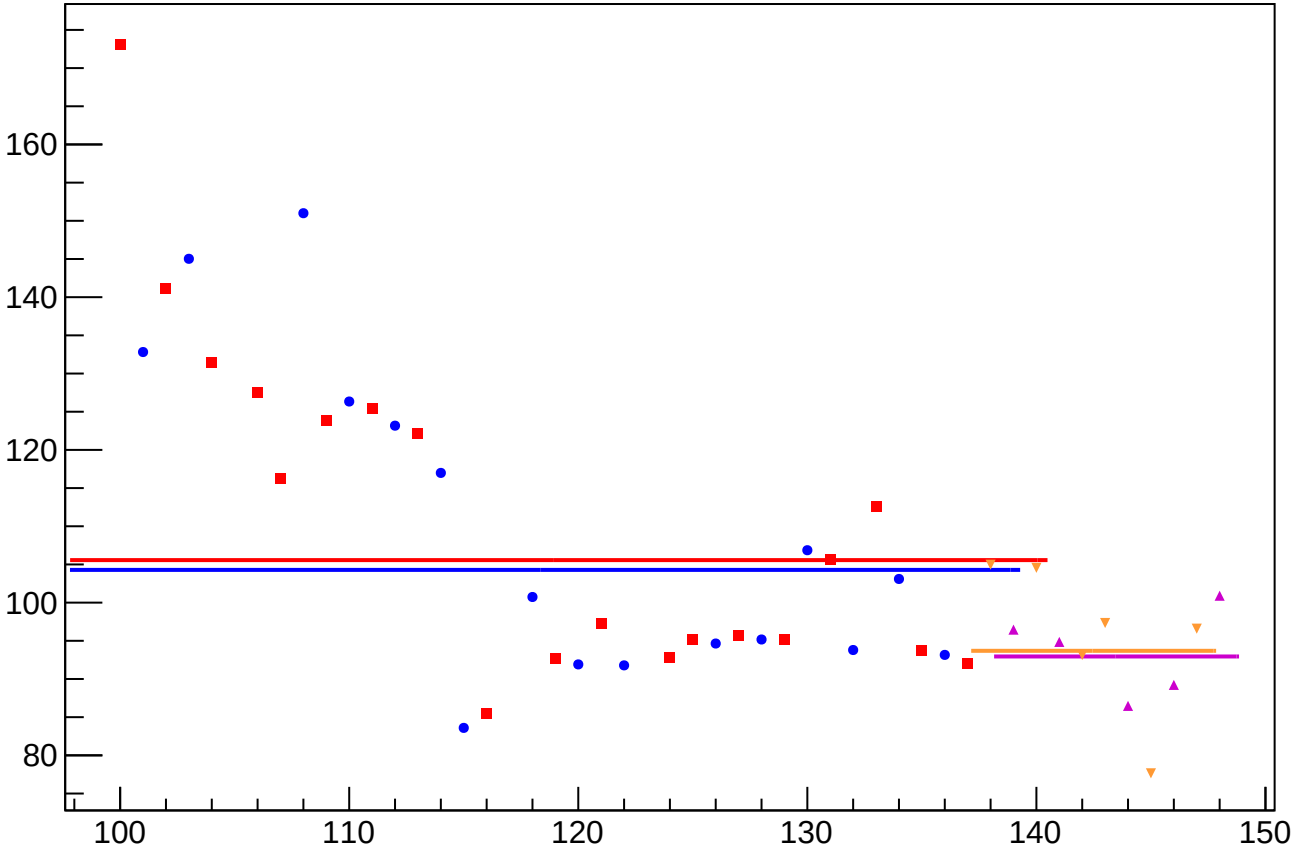
Left In: 35.363+/-44.968 χ^2/NDF:3.9/4

+ sign 105.040+/-29.514 χ^2/NDF: 16.5/21

All: 20.101+/-20.903 χ^2/NDF: 68.9/45

- sign -65.387+/-29.609 χ^2/NDF: 35.7/23

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

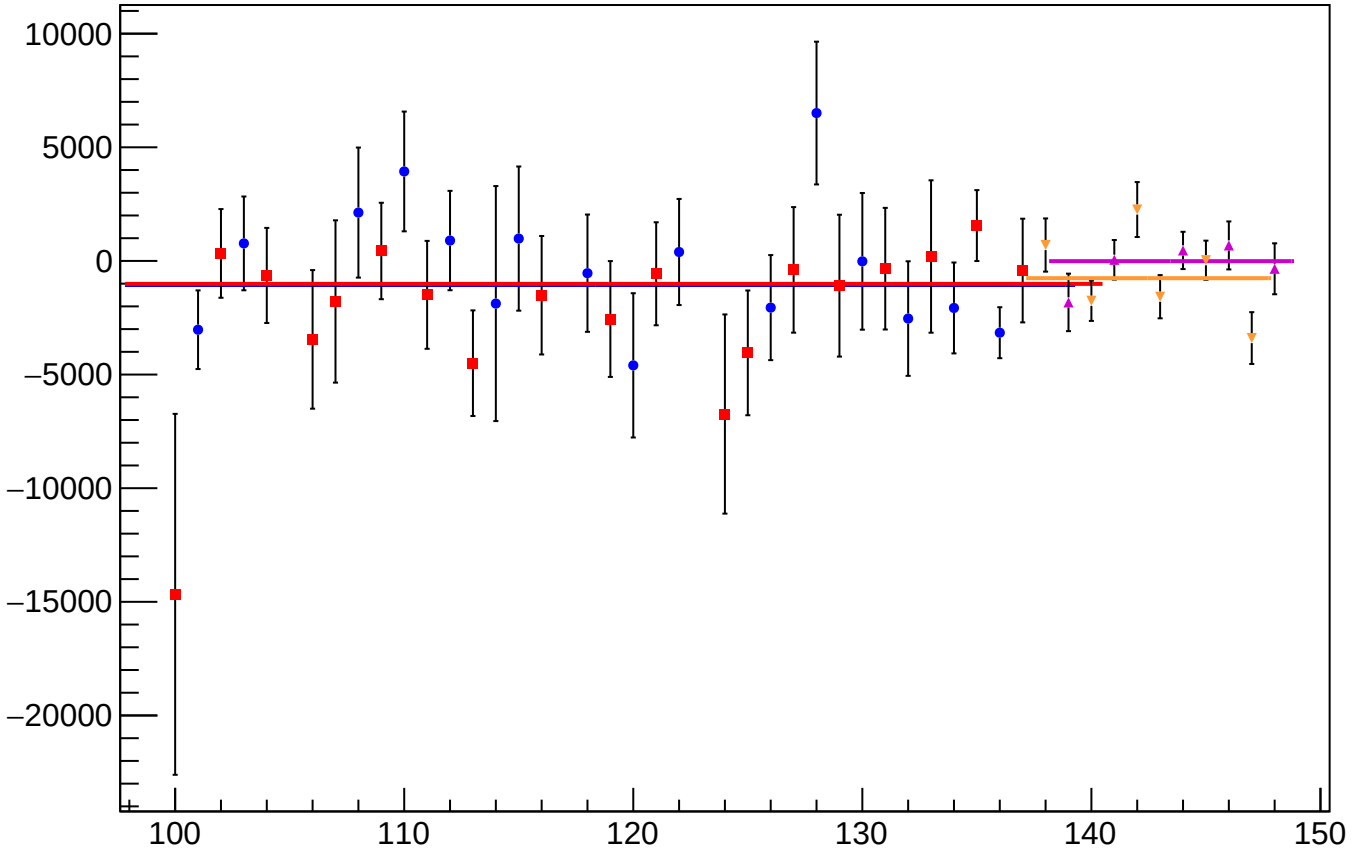
Left In: 92.948+/-0.032 χ^2/NDF:26198.4/4

\+ sign 99.622+/-0.021 χ^2/NDF: 550581.8/21

All: 99.858+/-0.015 χ^2/NDF: 1010878.4/45

\- sign 100.097+/-0.021 χ^2/NDF: 460038.3/23

asym_sam_24_68_dd_dit_correction_mean vs Slug



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

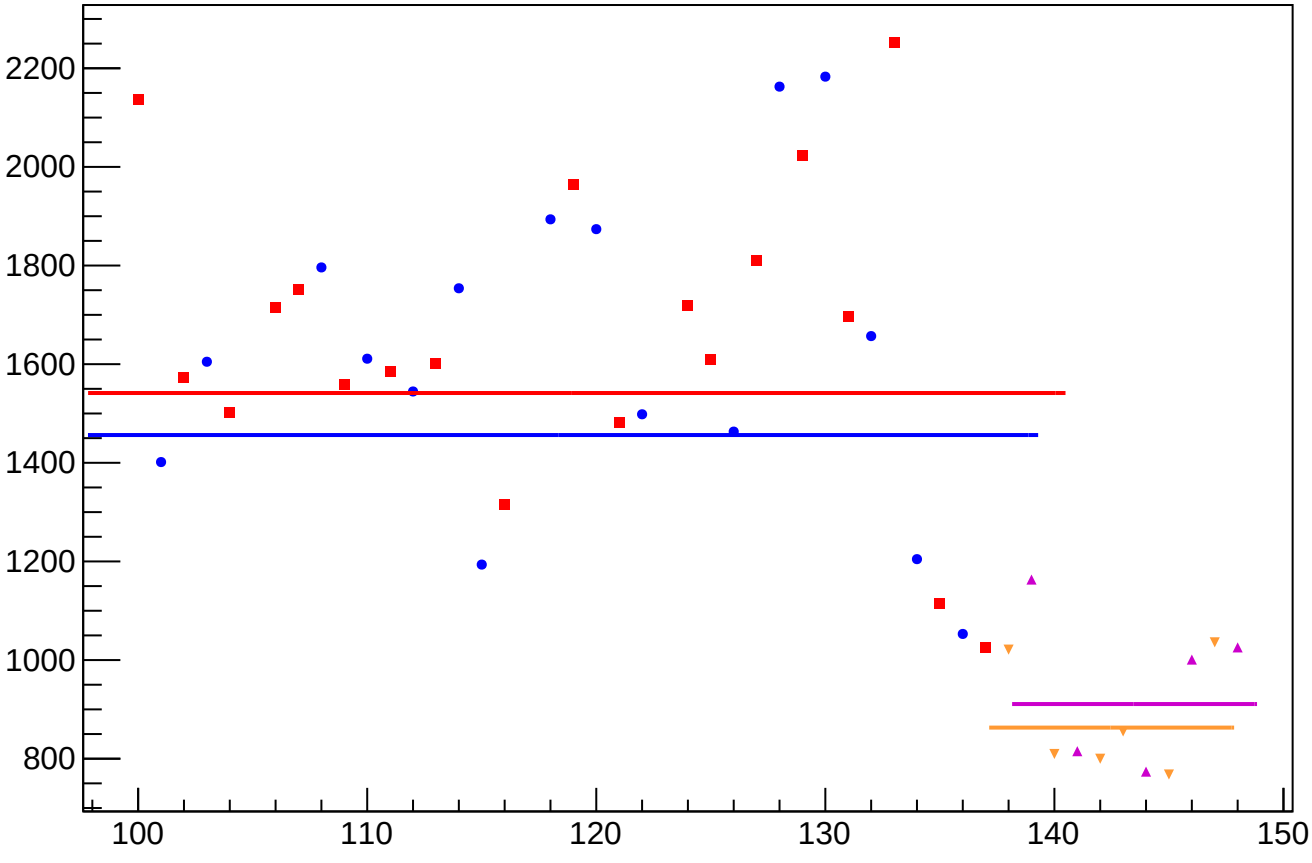
Left In: -9.954+/-441.704 χ^2/NDF:2.9/4

+ sign -864.322+/-330.930 χ^2/NDF: 36.2/21

All: -636.379+/-240.561 χ^2/NDF: 55.3/45

- sign -380.965+/-350.306 χ^2/NDF: 18.1/23

asym_sam_24_68_dd_dit_correction_rms vs Slug



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

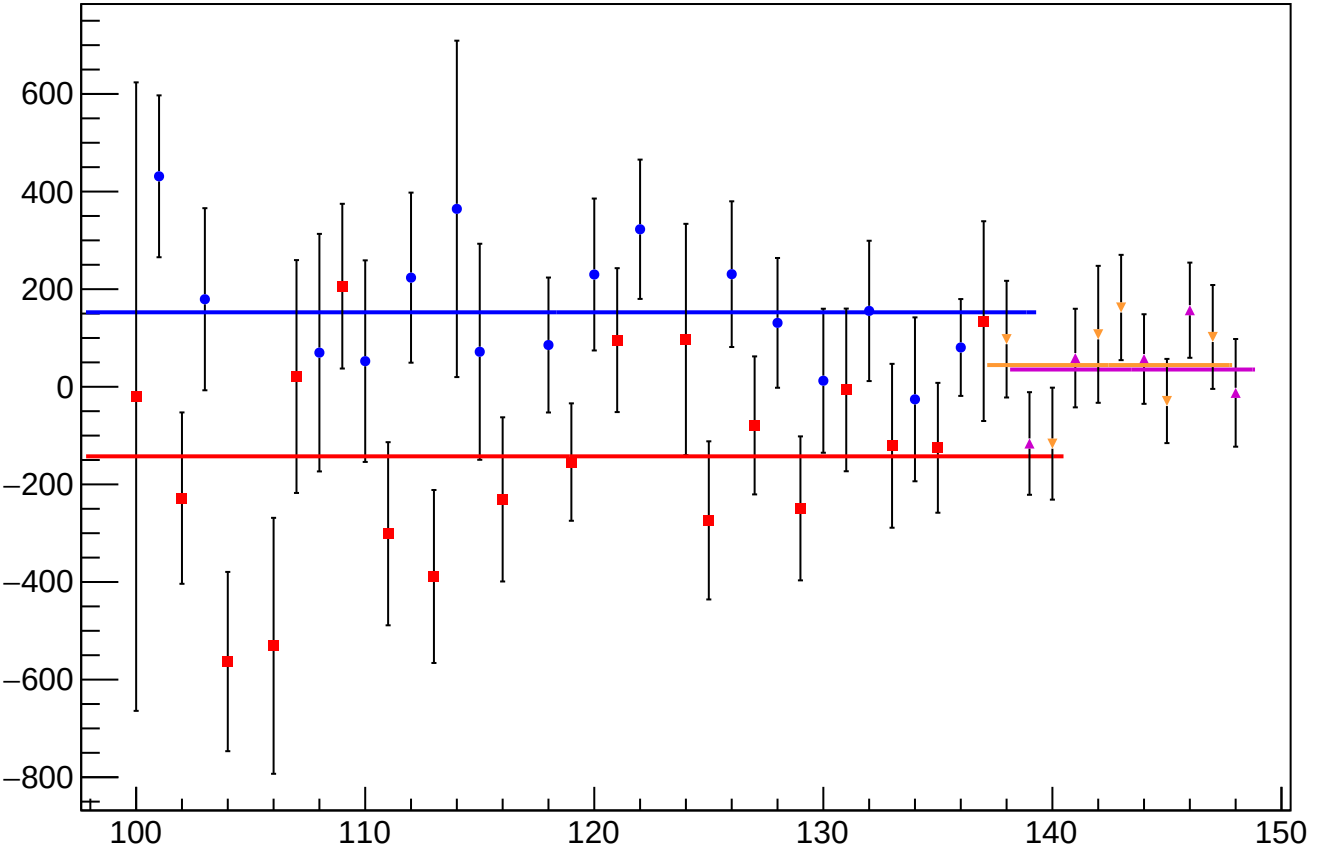
Left In: 910.835+/-0.312 χ^2/NDF:195250.5/4

+ sign 1071.991+/-0.234 χ^2/NDF: 2270957.0/21

All: 1106.344+/-0.170 χ^2/NDF: 4544119.4/45

- sign 1144.838+/-0.248 χ^2/NDF: 2227459.4/23

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.522+/-44.483 χ^2/NDF:4.6/5

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

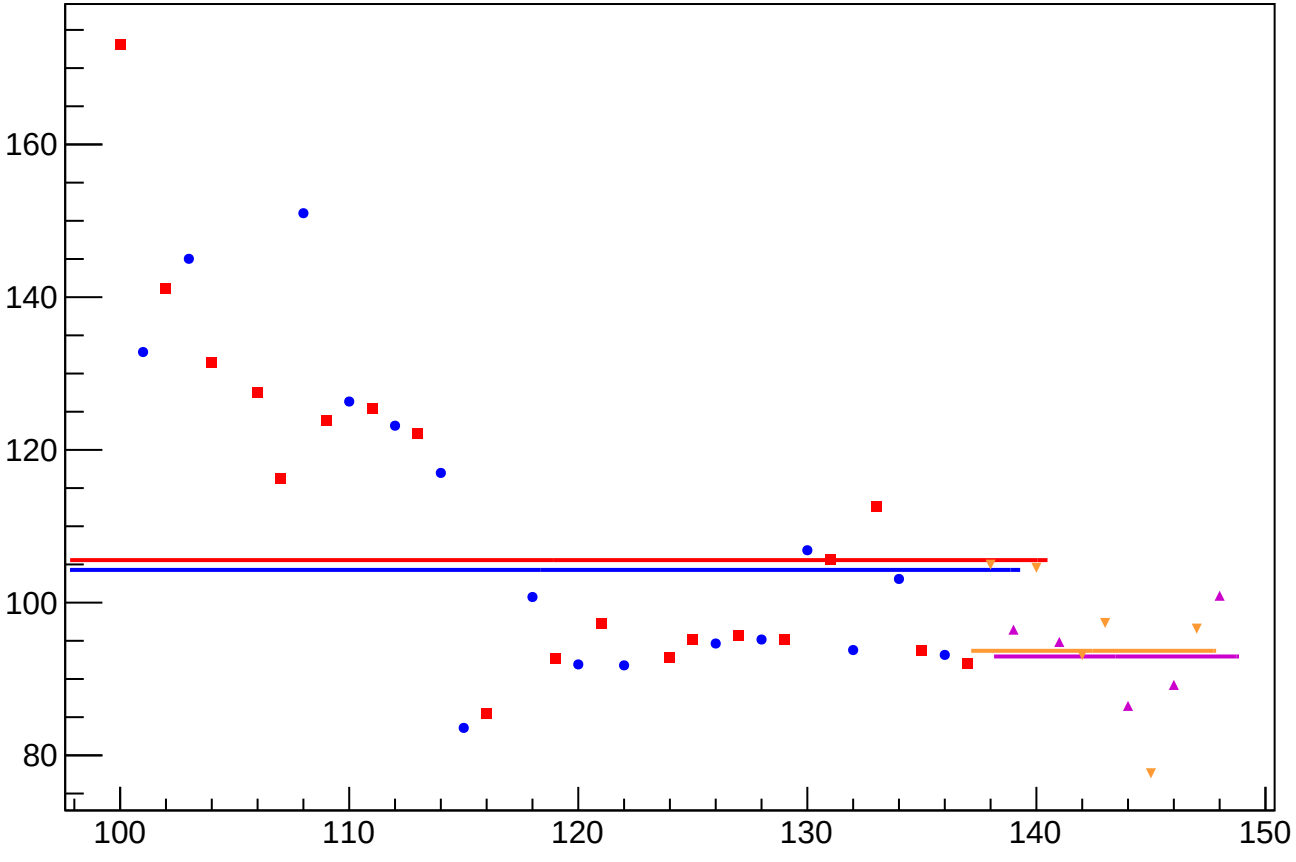
Left In: 35.363+/-44.968 χ^2/NDF:3.9/4

+ sign 105.040+/-29.513 χ^2/NDF: 16.5/21

All: 20.102+/-20.903 χ^2/NDF: 68.9/45

- sign -65.386+/-29.609 χ^2/NDF: 35.7/23

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

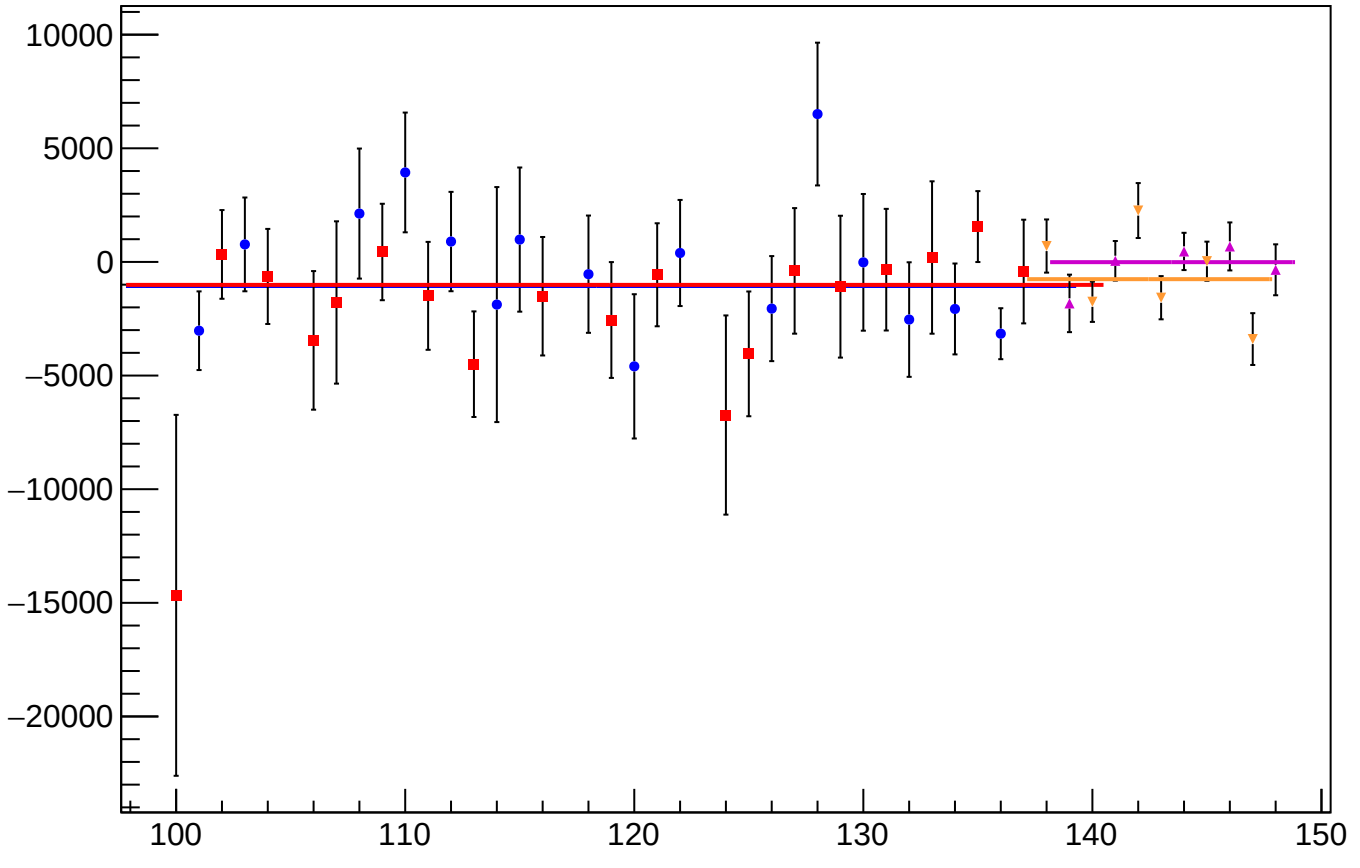
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 92.948+/-0.032 χ^2/NDF:26198.3/4

+ sign 99.621+/-0.021 χ^2/NDF: 550572.5/21

All: 99.858+/-0.015 χ^2/NDF: 1010860.3/45

- sign 100.096+/-0.021 χ^2/NDF: 460029.4/23



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -758.296+/-411.156 χ^2/NDF:16.0/5

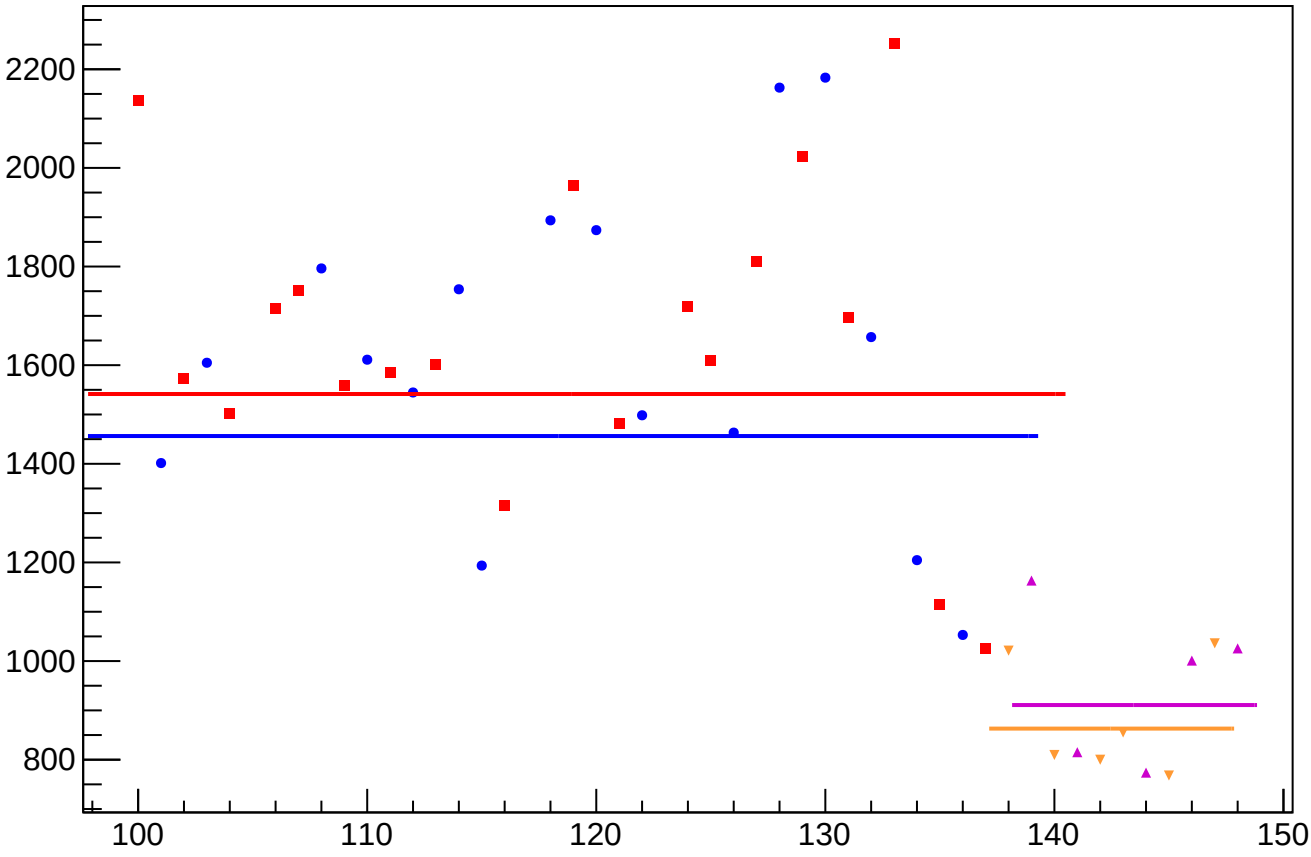
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -9.955+/-441.704 χ^2/NDF:2.9/4

+ sign -864.321+/-330.930 χ^2/NDF: 36.2/21

All: -636.380+/-240.561 χ^2/NDF: 55.3/45

- sign -380.966+/-350.305 χ^2/NDF: 18.1/23



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

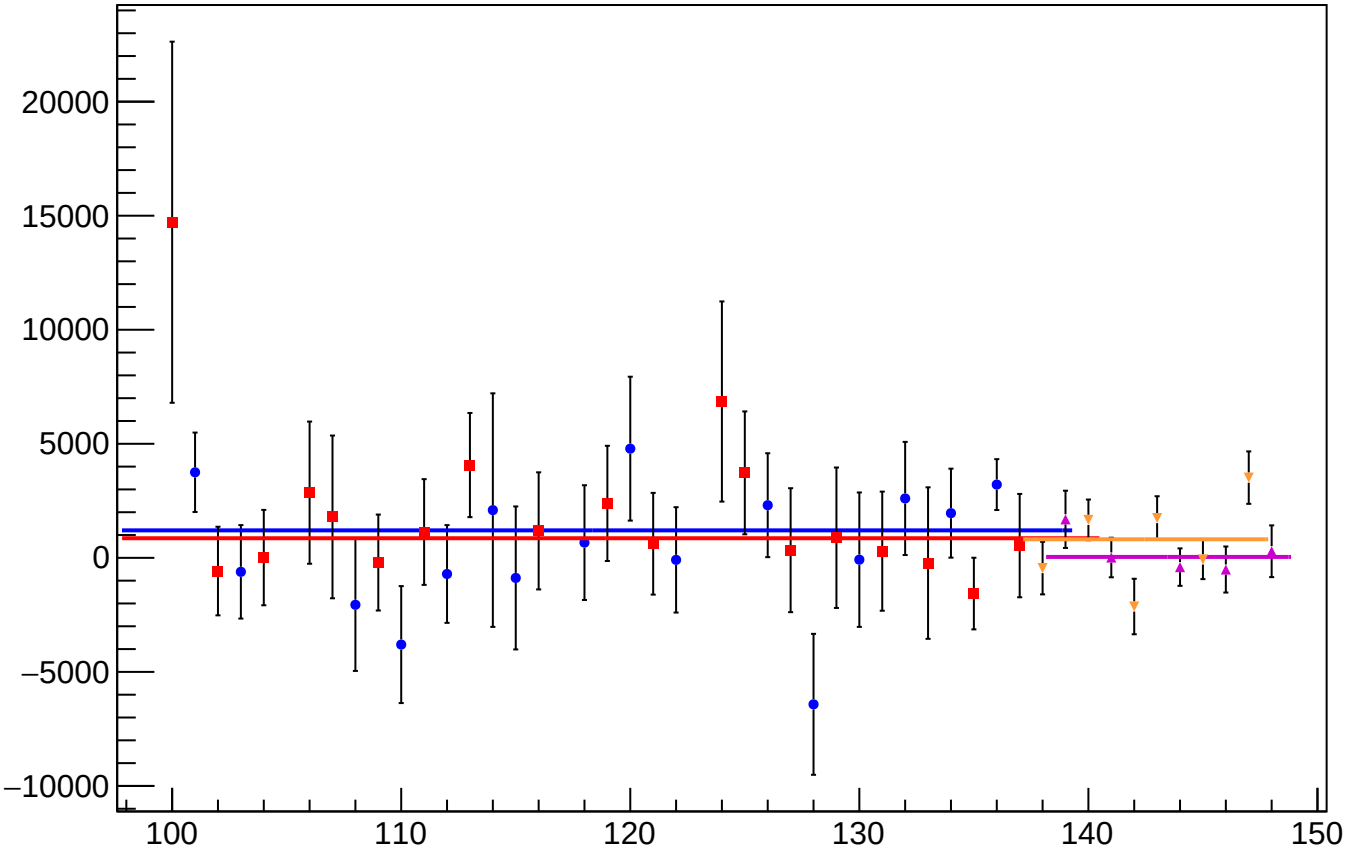
Left In: 910.834+/-0.312 χ^2/NDF:195250.1/4

+ sign 1071.989+/-0.234 χ^2/NDF: 2270952.7/21

All: 1106.343+/-0.170 χ^2/NDF: 4544109.9/45

- sign 1144.837+/-0.248 χ^2/NDF: 2227453.7/23

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

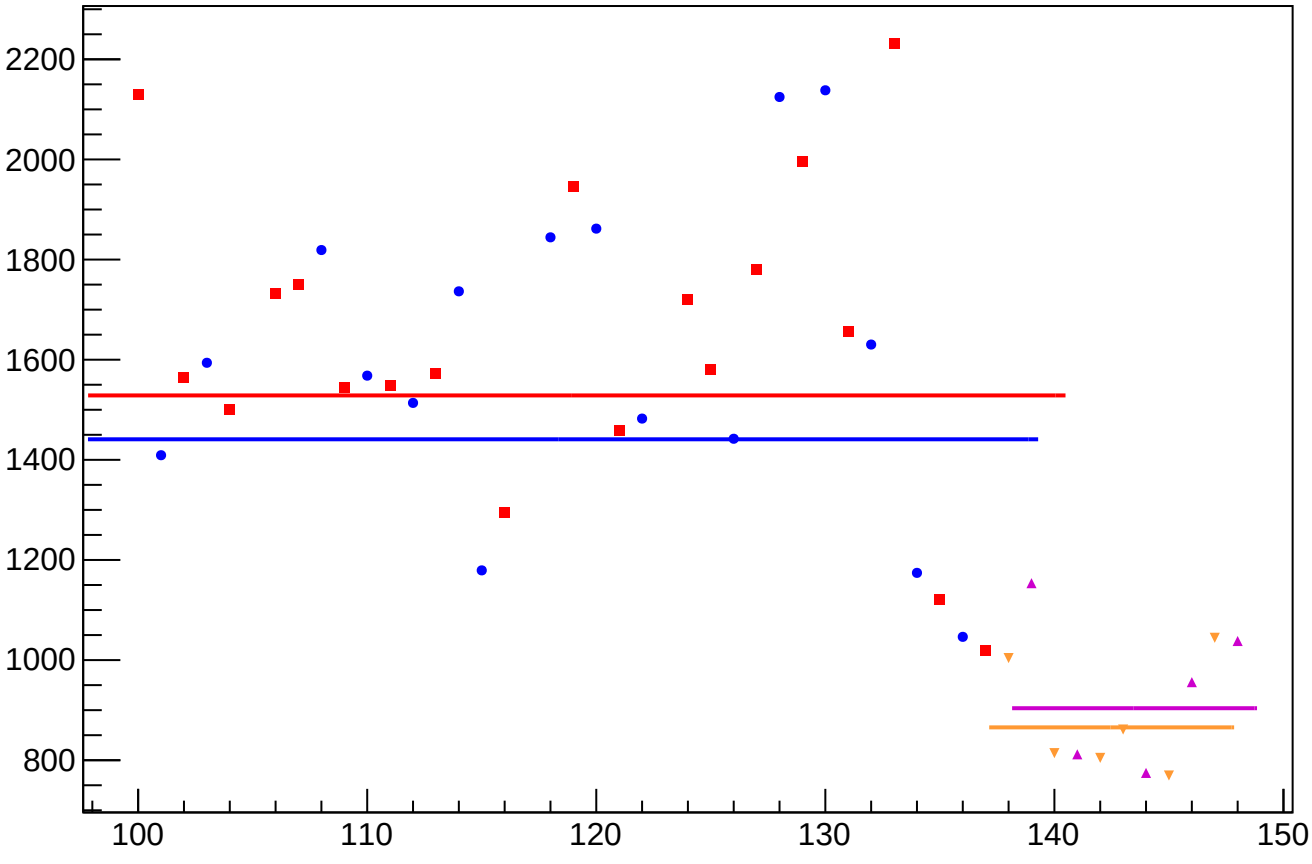
Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 40.592+/-438.227 χ^2/NDF:2.4/4

+ sign 953.940+/-330.427 χ^2/NDF: 37.0/21

All: 664.552+/-239.458 χ^2/NDF: 54.7/45

- sign 344.474+/-347.507 χ^2/NDF: 16.2/23



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 865.612+/-0.292 χ^2/NDF:113823.3/5

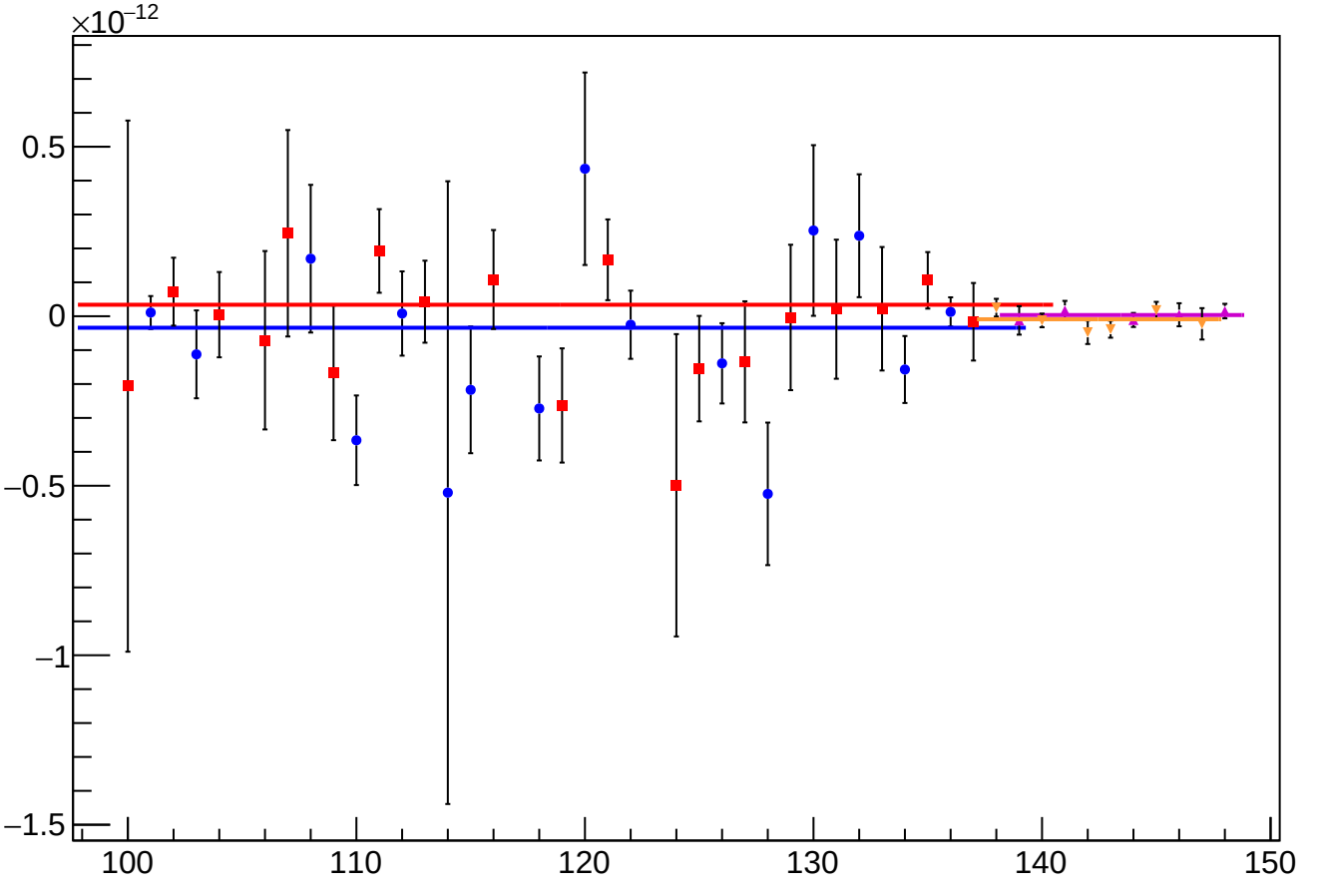
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 903.895+/-0.310 χ^2/NDF:184659.3/4

+ sign 1071.997+/-0.234 χ^2/NDF: 2179634.9/21

All: 1102.288+/-0.169 χ^2/NDF: 4410219.5/45

- sign 1135.790+/-0.246 χ^2/NDF: 2195188.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/5

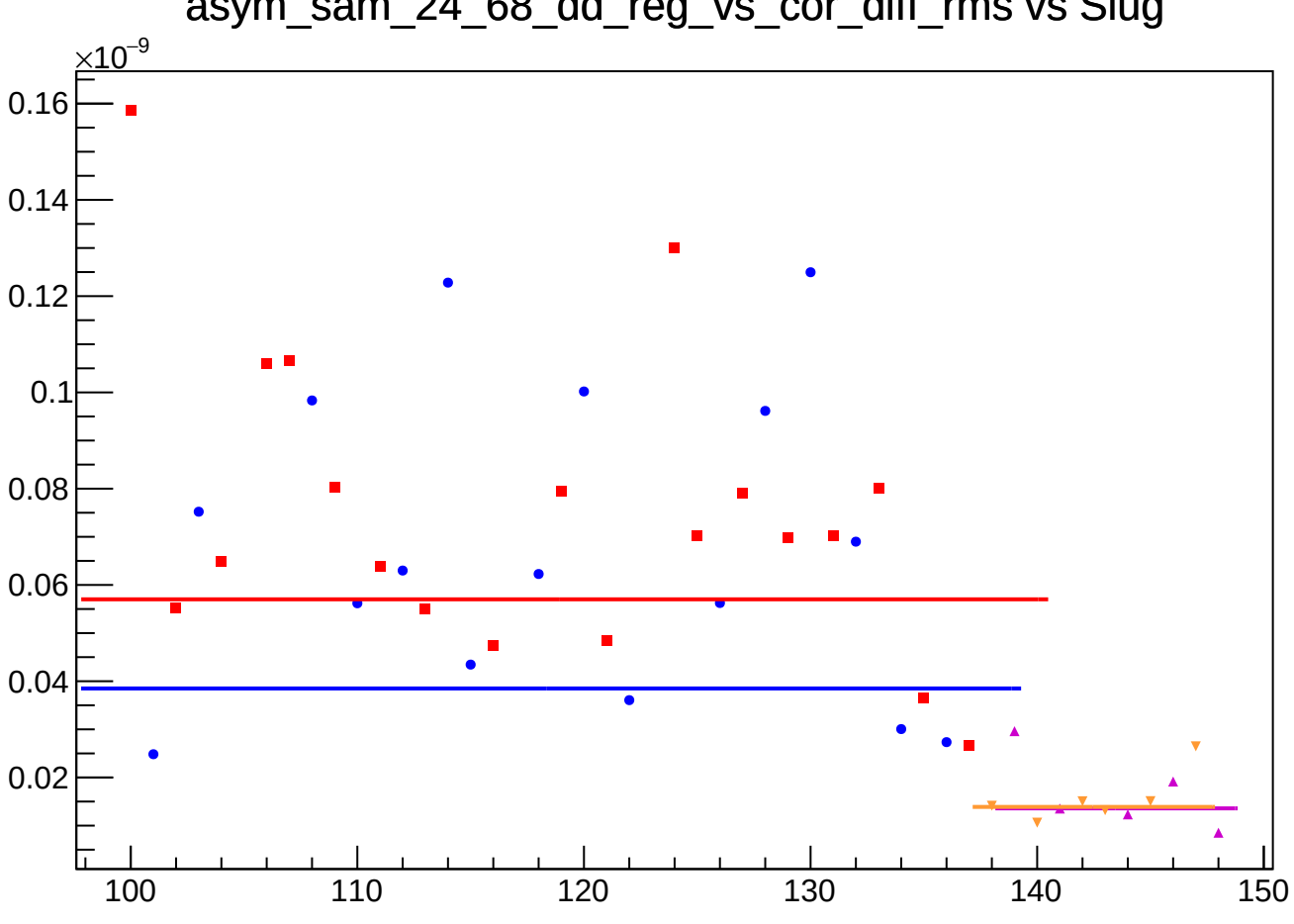
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/21

All: -0.000+/-0.000 χ^2/NDF: 50.4/45

- sign 0.000+/-0.000 χ^2/NDF: 14.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:208974.8/5

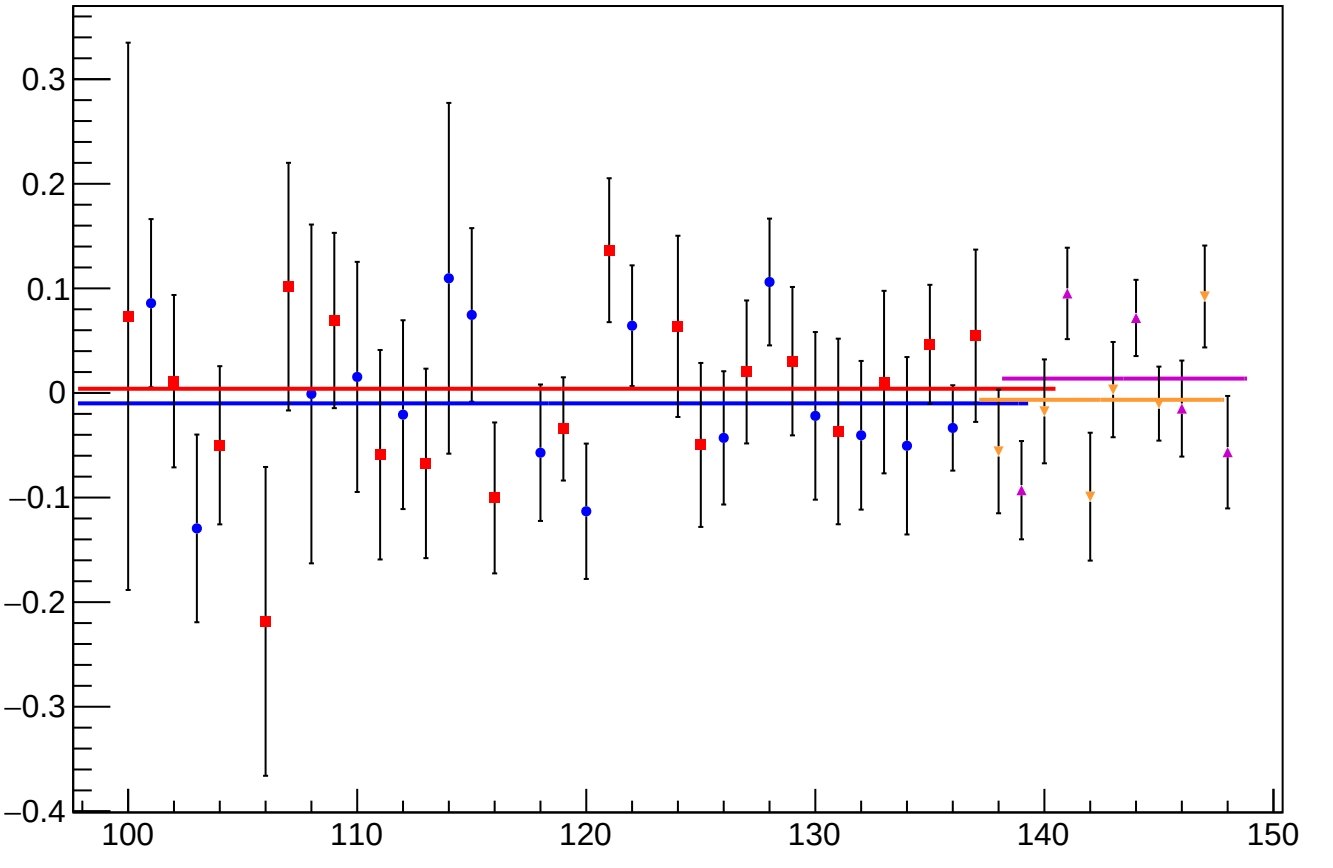
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:463330.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3215189.0/21

All: 0.000+/-0.000 χ^2/NDF: 7285681.8/45

- sign 0.000+/-0.000 χ^2/NDF: 4068114.4/23



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

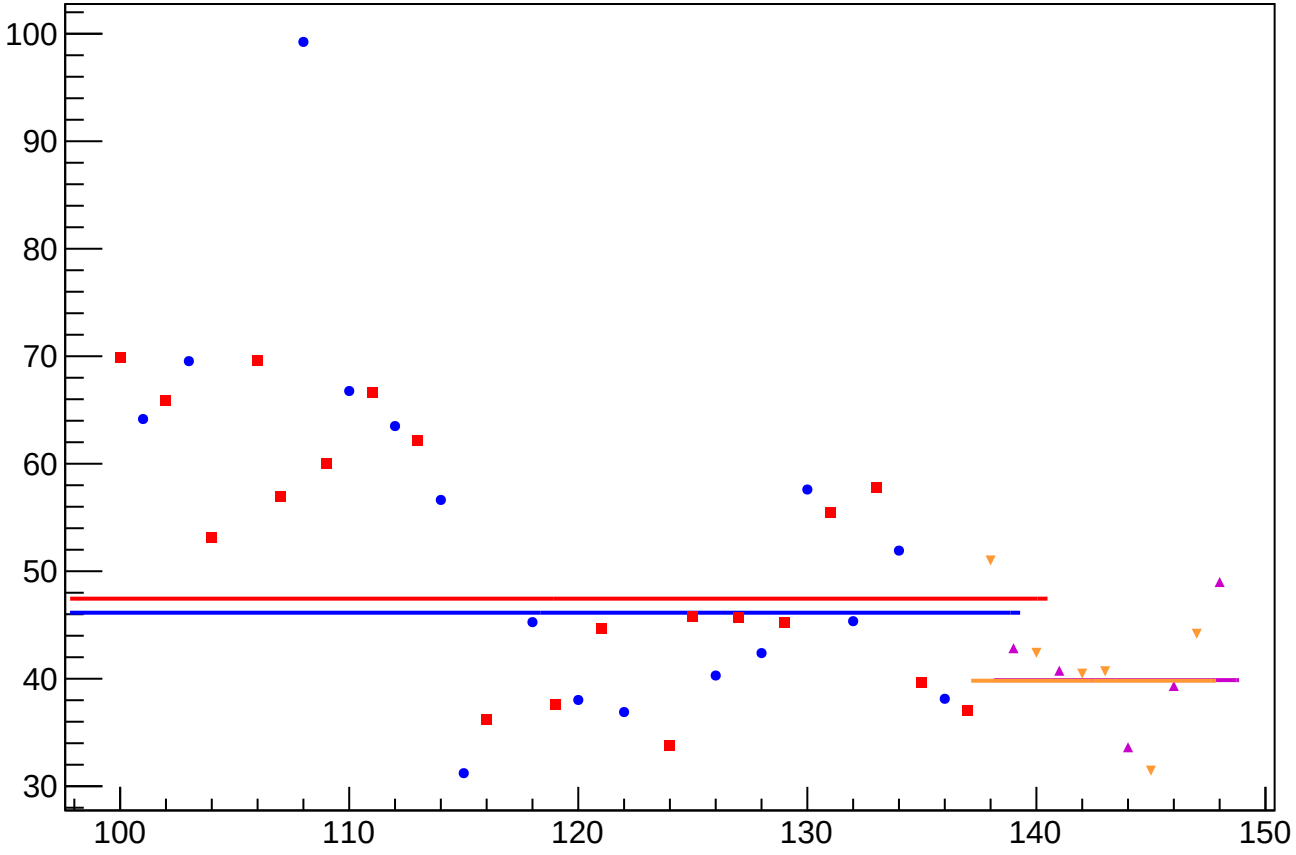
Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: -0.000+/-0.009 χ^2/NDF: 49.5/45

- sign 0.008+/-0.013 χ^2/NDF: 27.2/23

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

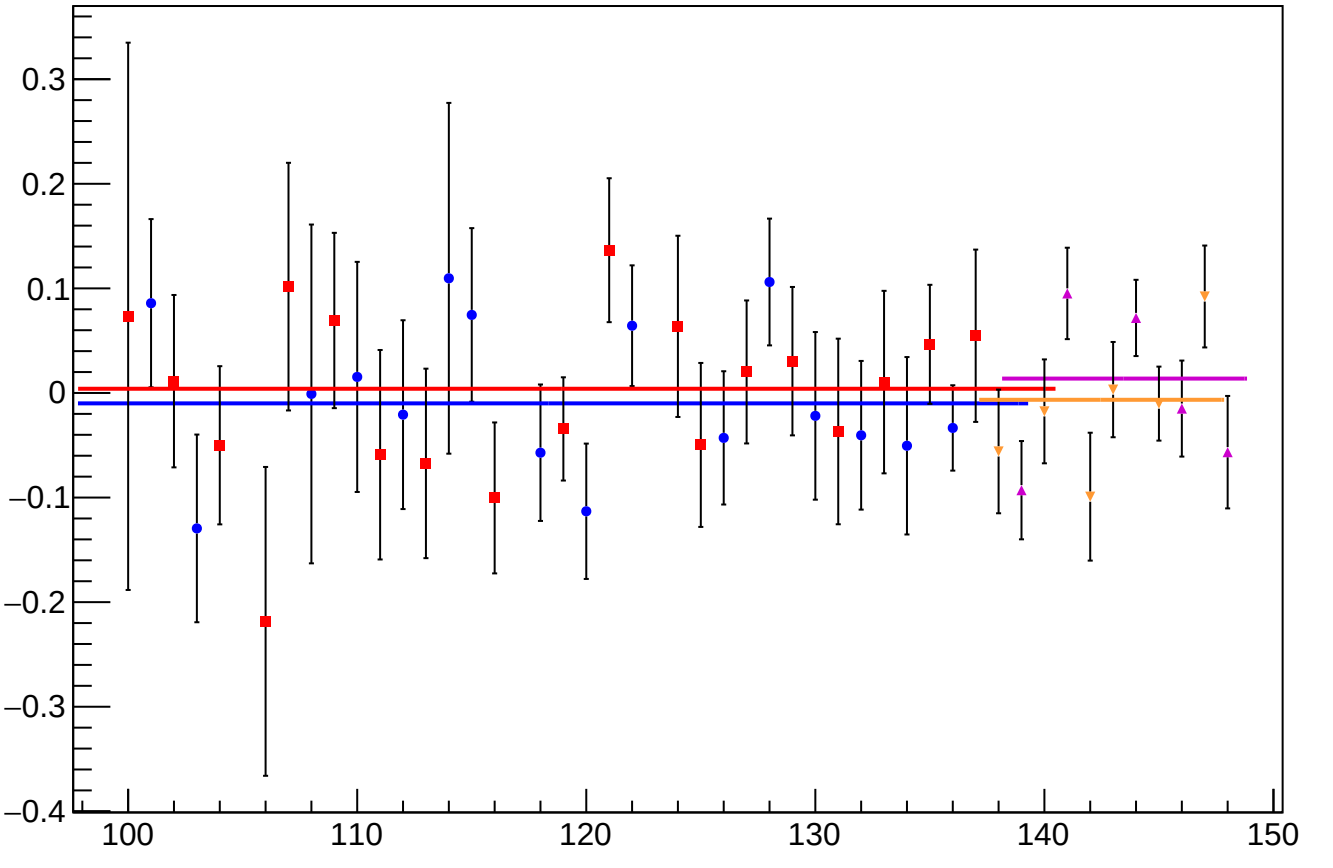
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

+ sign 43.214+/-0.009 χ^2/NDF: 1223485.5/21

All: 43.603+/-0.007 χ^2/NDF: 2166734.5/45

- sign 44.002+/-0.009 χ^2/NDF: 939727.3/23



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

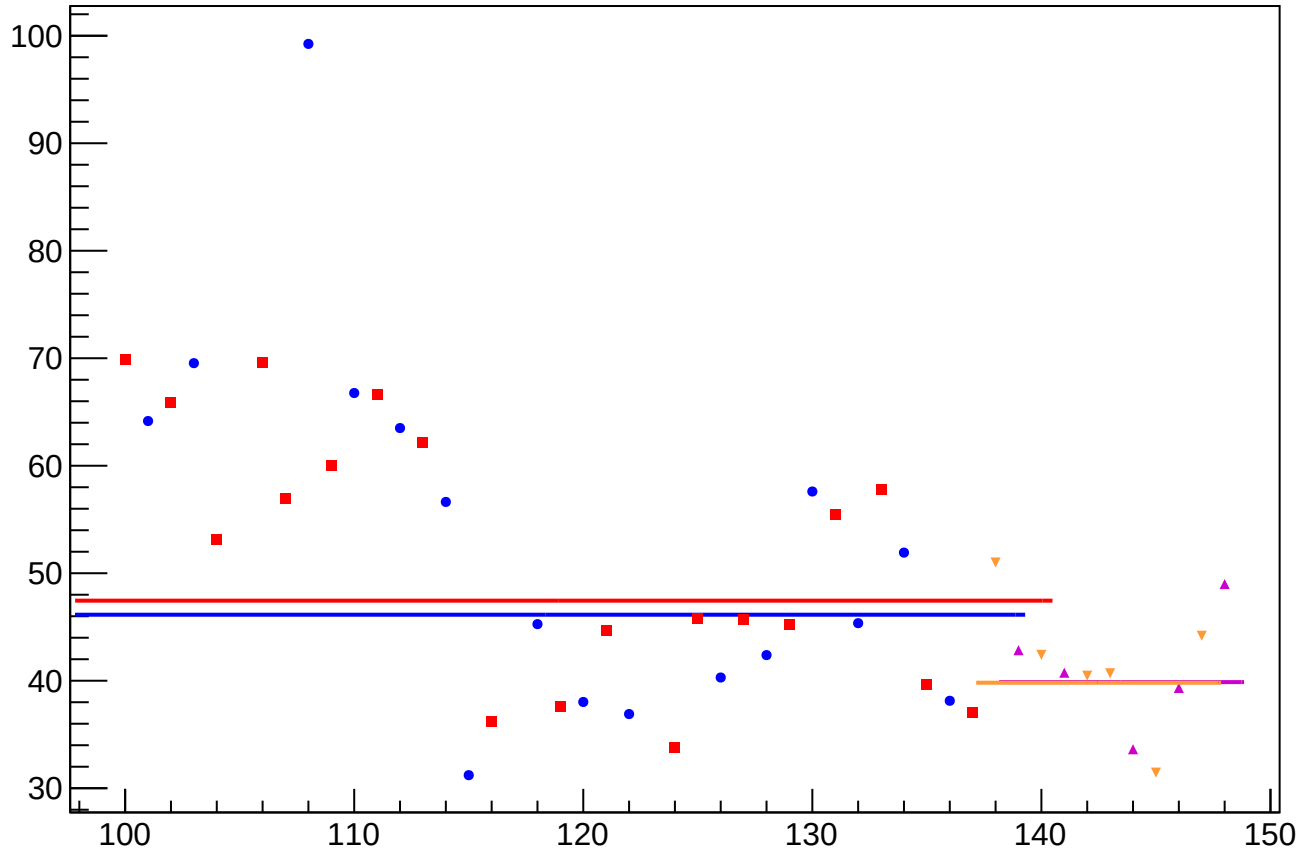
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: -0.000+/-0.009 χ^2/NDF: 49.5/45

- sign 0.008+/-0.013 χ^2/NDF: 27.2/23



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

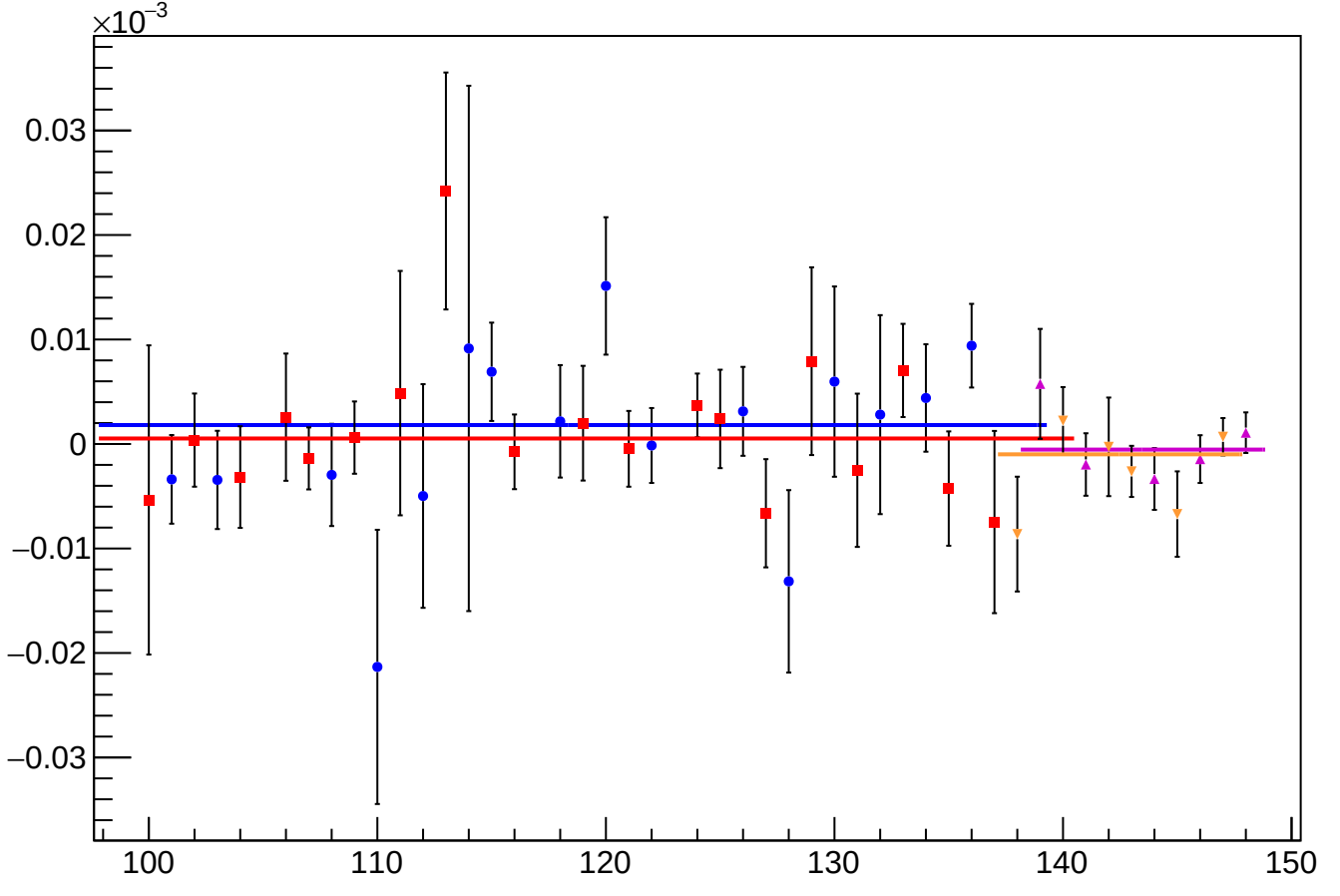
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

+ sign 43.214+/-0.009 χ^2/NDF: 1223485.5/21

All: 43.603+/-0.007 χ^2/NDF: 2166734.5/45

- sign 44.002+/-0.009 χ^2/NDF: 939727.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/5

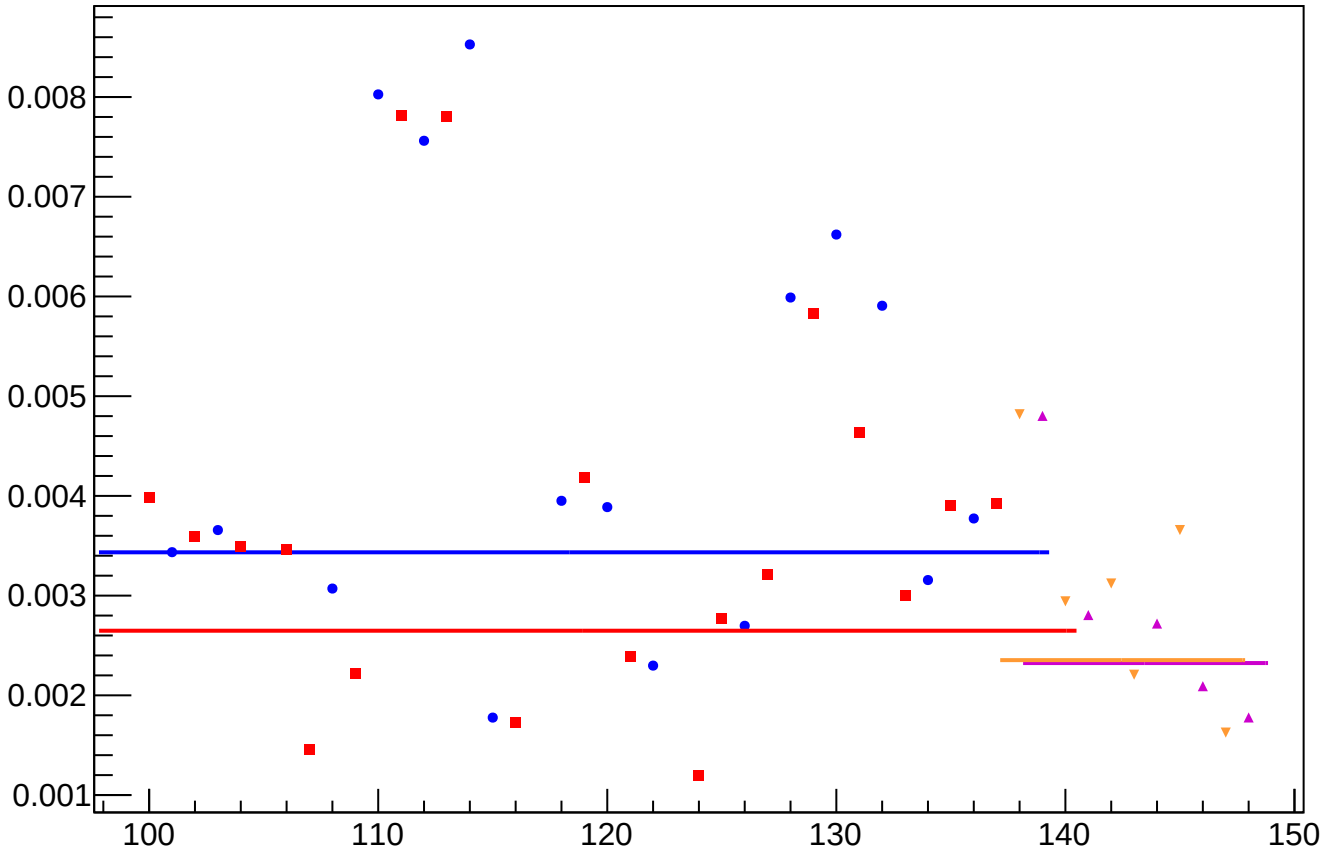
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/21

All: 0.000+/-0.000 χ^2/NDF: 46.2/45

- sign 0.000+/-0.000 χ^2/NDF: 17.6/23



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1064252.0/5

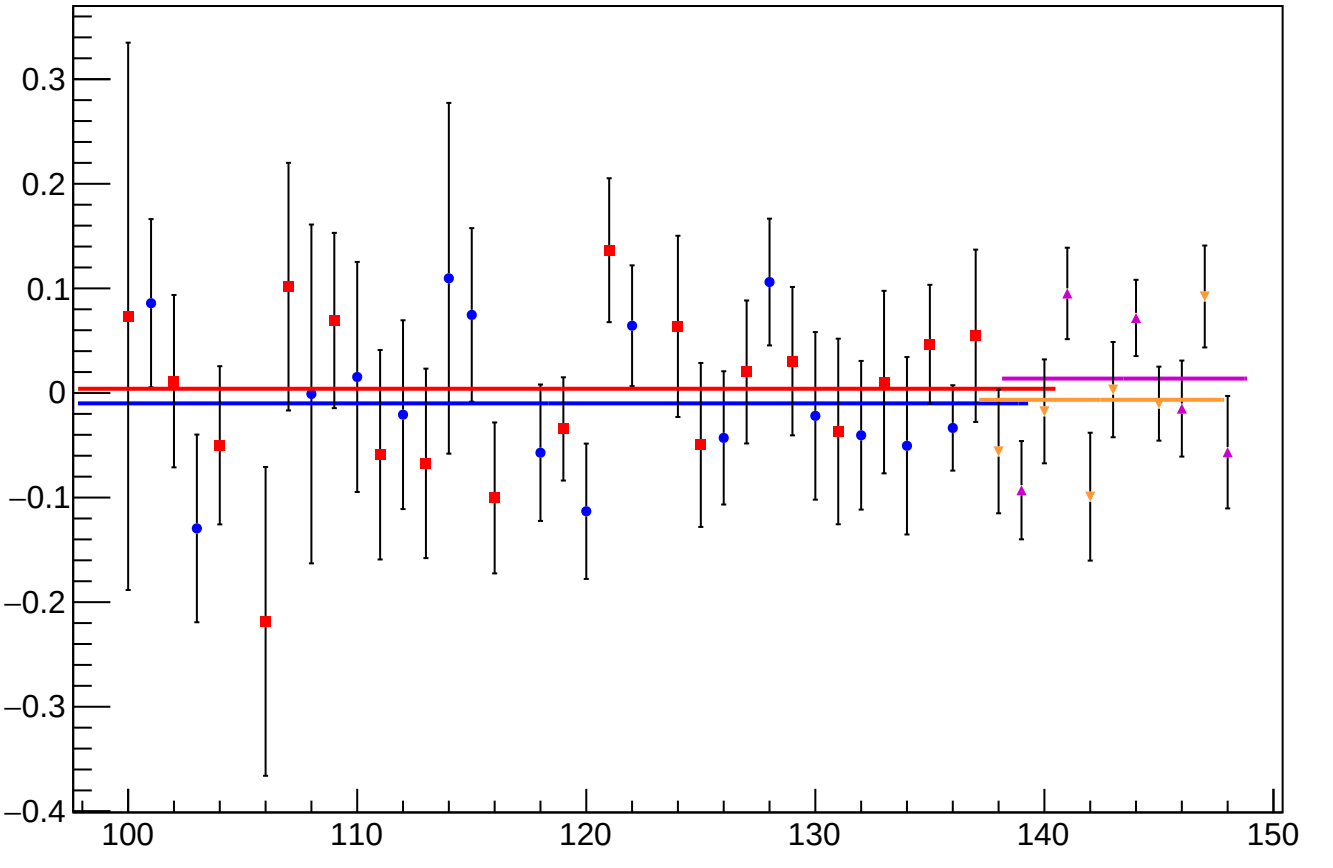
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:710082.3/4

+ sign 0.003+/-0.000 χ^2/NDF: 3524934.0/21

All: 0.003+/-0.000 χ^2/NDF: 7151309.1/45

- sign 0.002+/-0.000 χ^2/NDF: 3488494.6/23



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

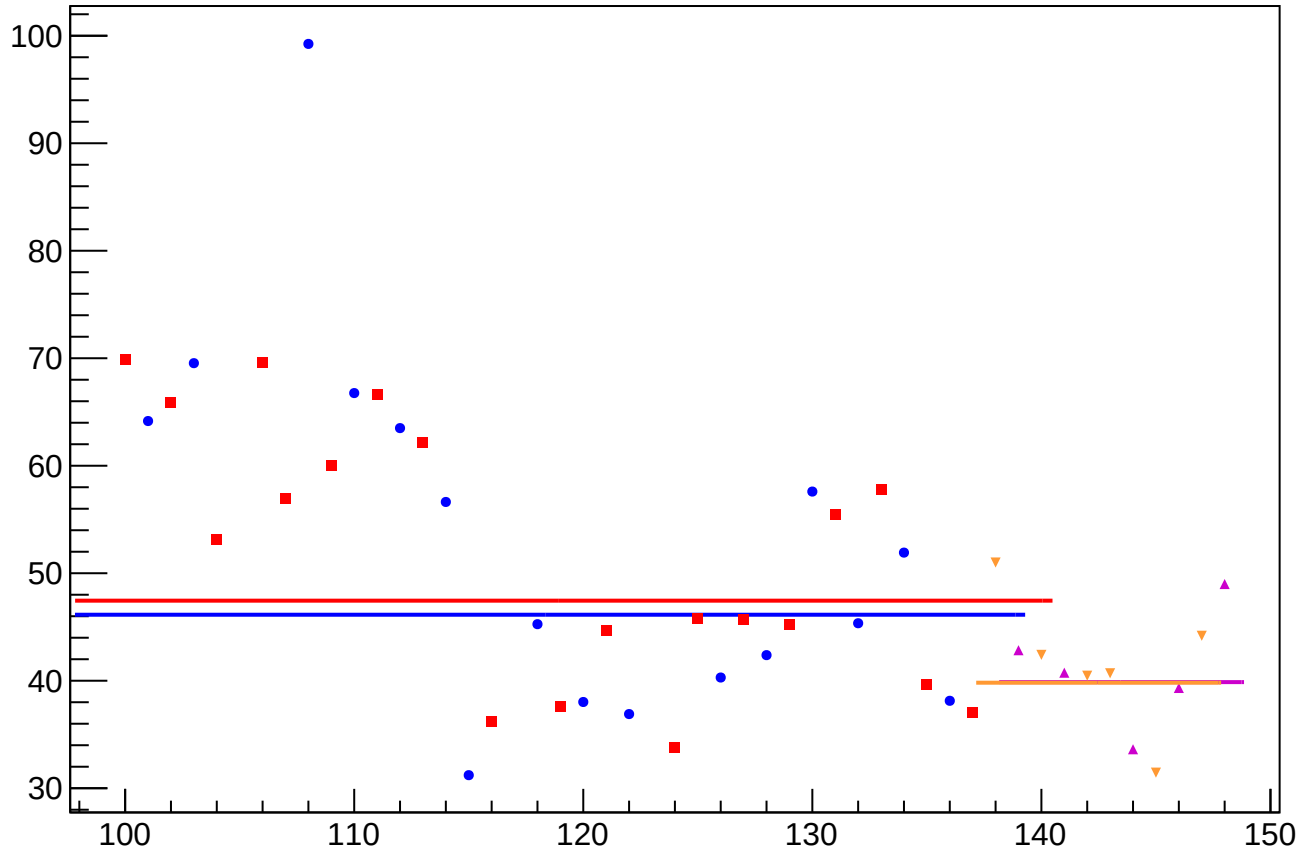
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: -0.000+/-0.009 χ^2/NDF: 49.5/45

- sign 0.008+/-0.013 χ^2/NDF: 27.2/23



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

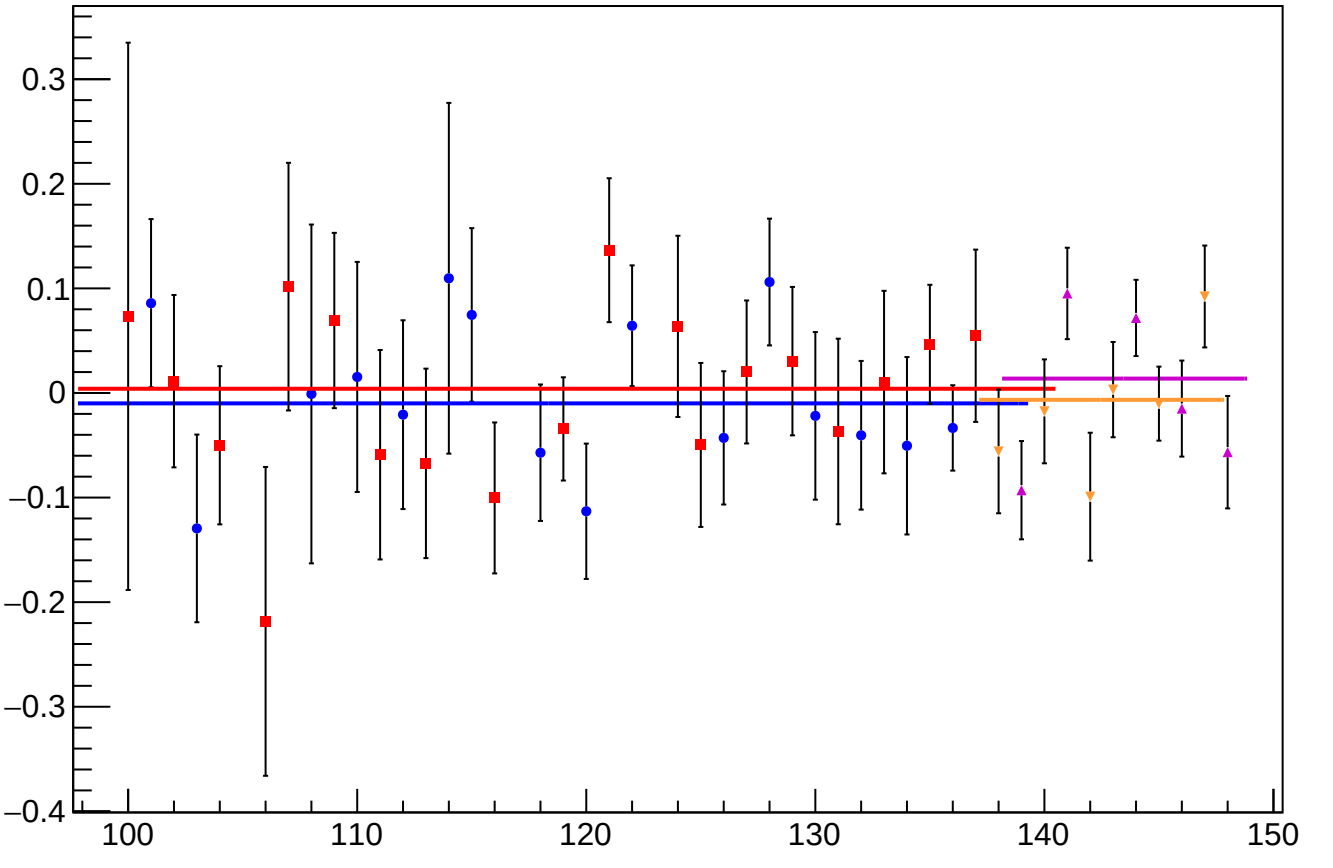
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

+ sign 43.214+/-0.009 χ^2/NDF: 1223398.6/21

All: 43.602+/-0.007 χ^2/NDF: 2166607.3/45

- sign 44.001+/-0.009 χ^2/NDF: 939686.6/23



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

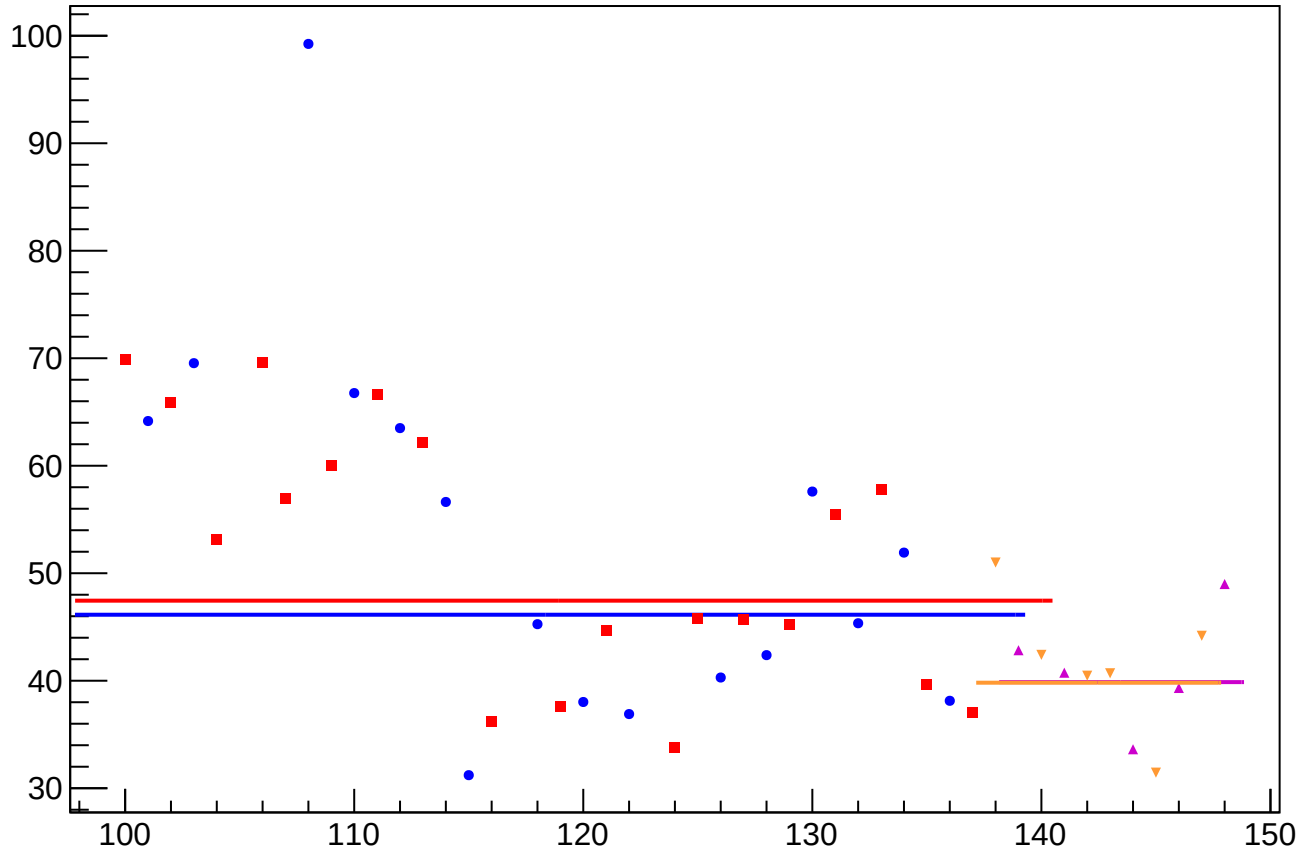
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.008+/-0.013 χ^2/NDF: 21.5/21

All: -0.000+/-0.009 χ^2/NDF: 49.5/45

- sign 0.008+/-0.013 χ^2/NDF: 27.2/23



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

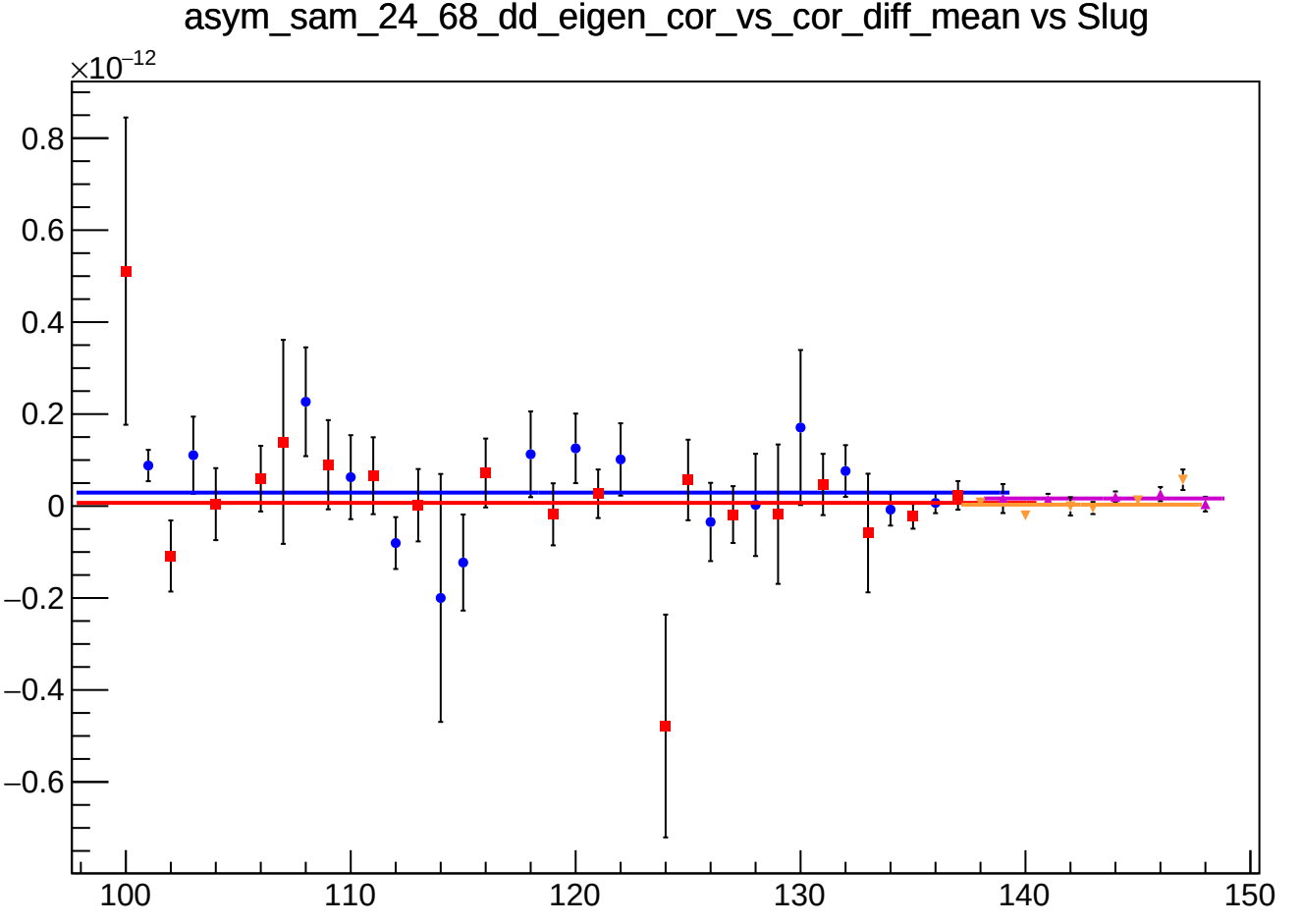
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

+ sign 43.214+/-0.009 χ^2/NDF: 1223398.6/21

All: 43.602+/-0.007 χ^2/NDF: 2166607.3/45

- sign 44.001+/-0.009 χ^2/NDF: 939686.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/5

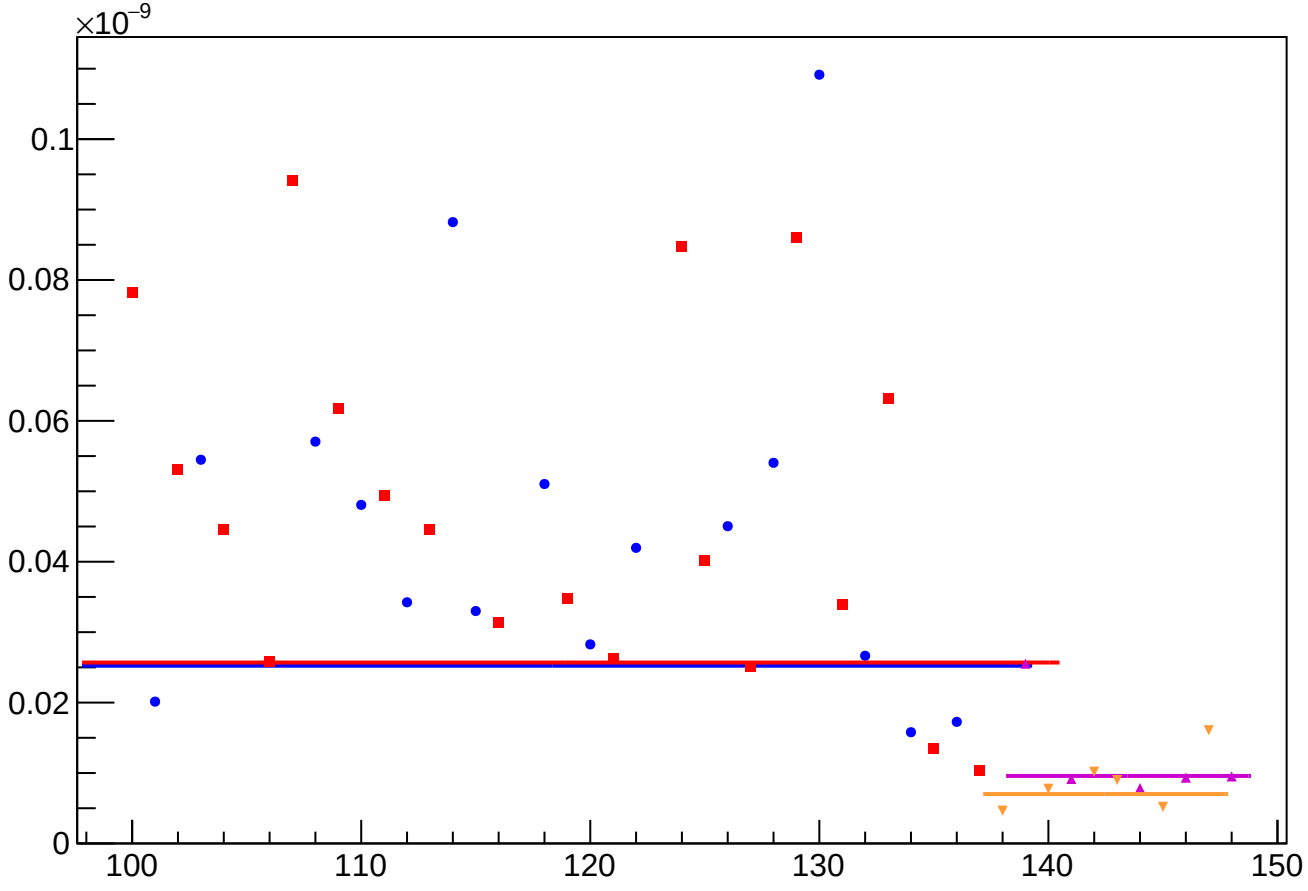
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/21

All: 0.000+/-0.000 χ^2/NDF: 53.5/45

- sign 0.000+/-0.000 χ^2/NDF: 15.7/23



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

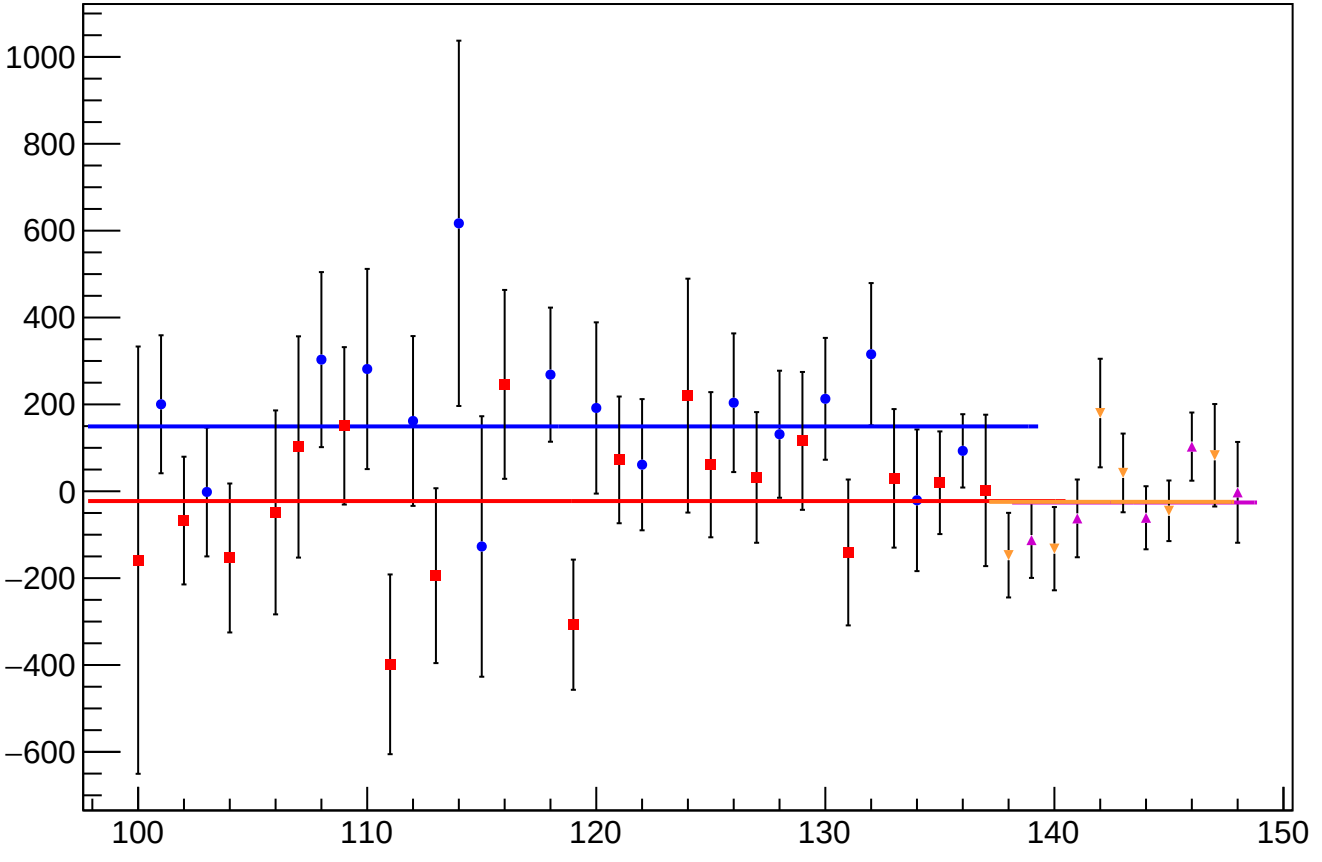
Left In: 0.000+/-0.000 χ^2/NDF:554258.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 5947240.9/21

All: 0.000+/-0.000 χ^2/NDF: 11731174.2/45

- sign 0.000+/-0.000 χ^2/NDF: 5412918.0/23

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

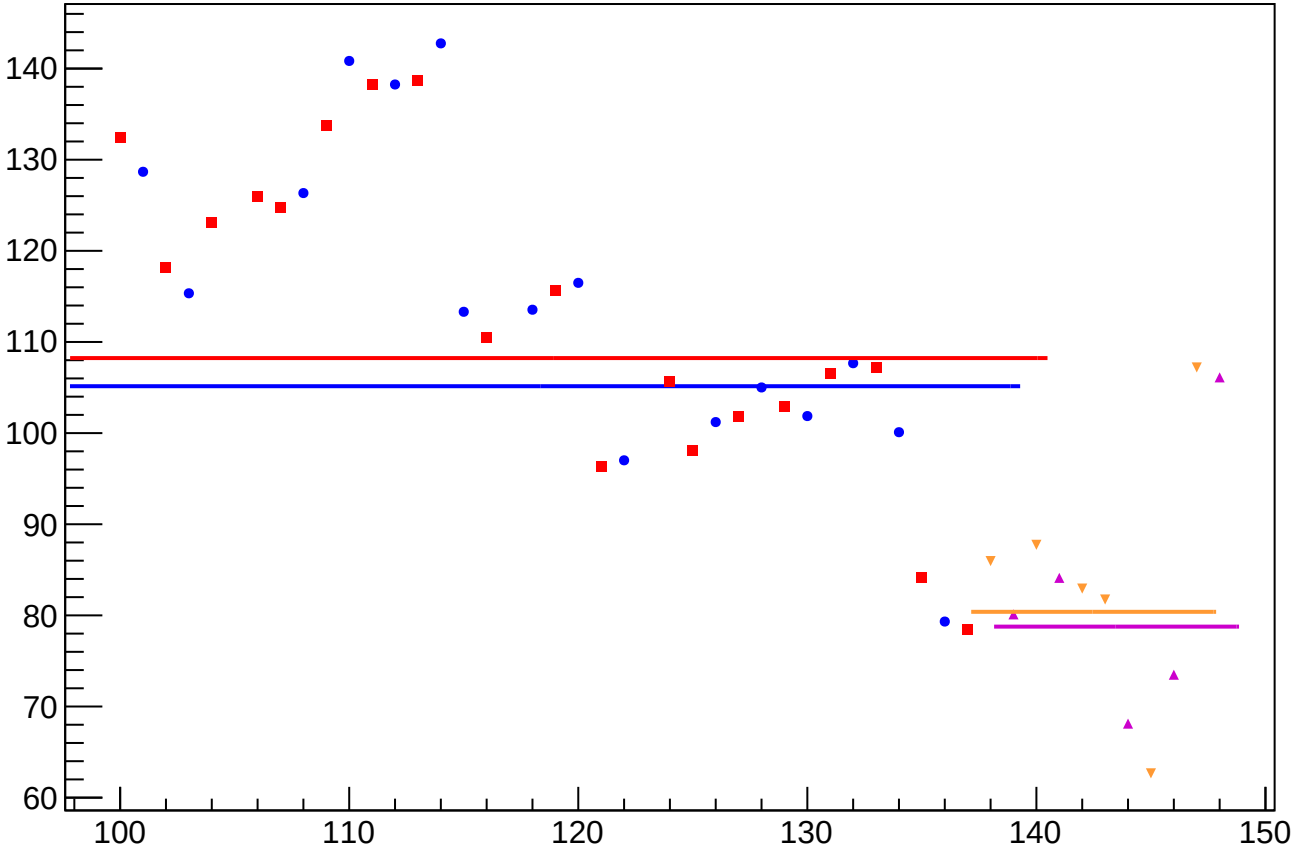
Left In: -25.848+/-38.271 χ^2/NDF:4.1/4

+ sign 59.671+/-27.605 χ^2/NDF: 24.9/21

All: 17.821+/-19.548 χ^2/NDF: 47.8/45

- sign -24.276+/-27.686 χ^2/NDF: 18.3/23

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

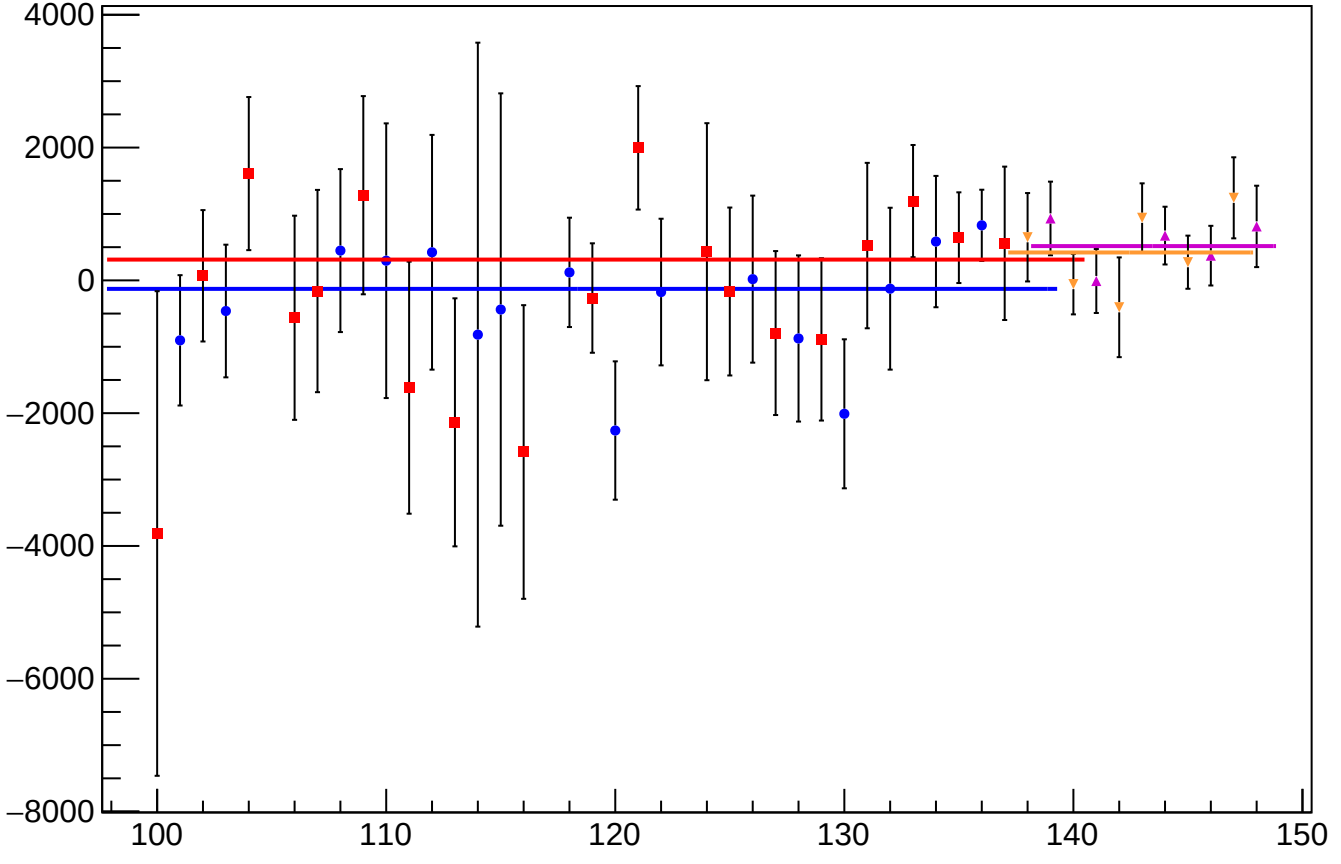
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.4/21

All: 92.589+/-0.014 χ^2/NDF: 2148188.6/45

- sign 92.812+/-0.020 χ^2/NDF: 1085796.8/23



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

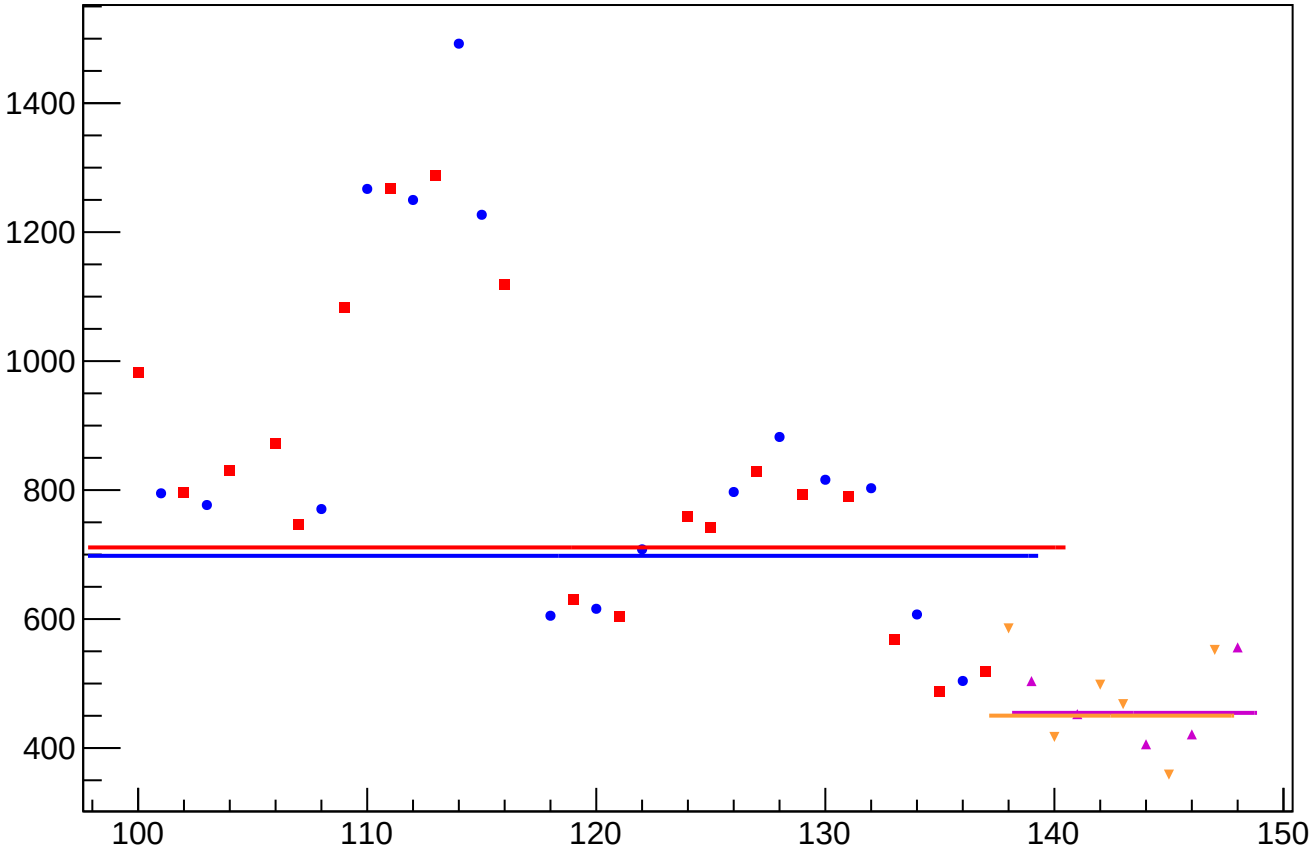
Left In: 516.284+/-221.067 χ^2/NDF:2.2/4

+ sign 205.154+/-168.215 χ^2/NDF: 20.2/21

All: 318.017+/-119.946 χ^2/NDF: 38.7/45

- sign 434.759+/-171.081 χ^2/NDF: 17.6/23

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

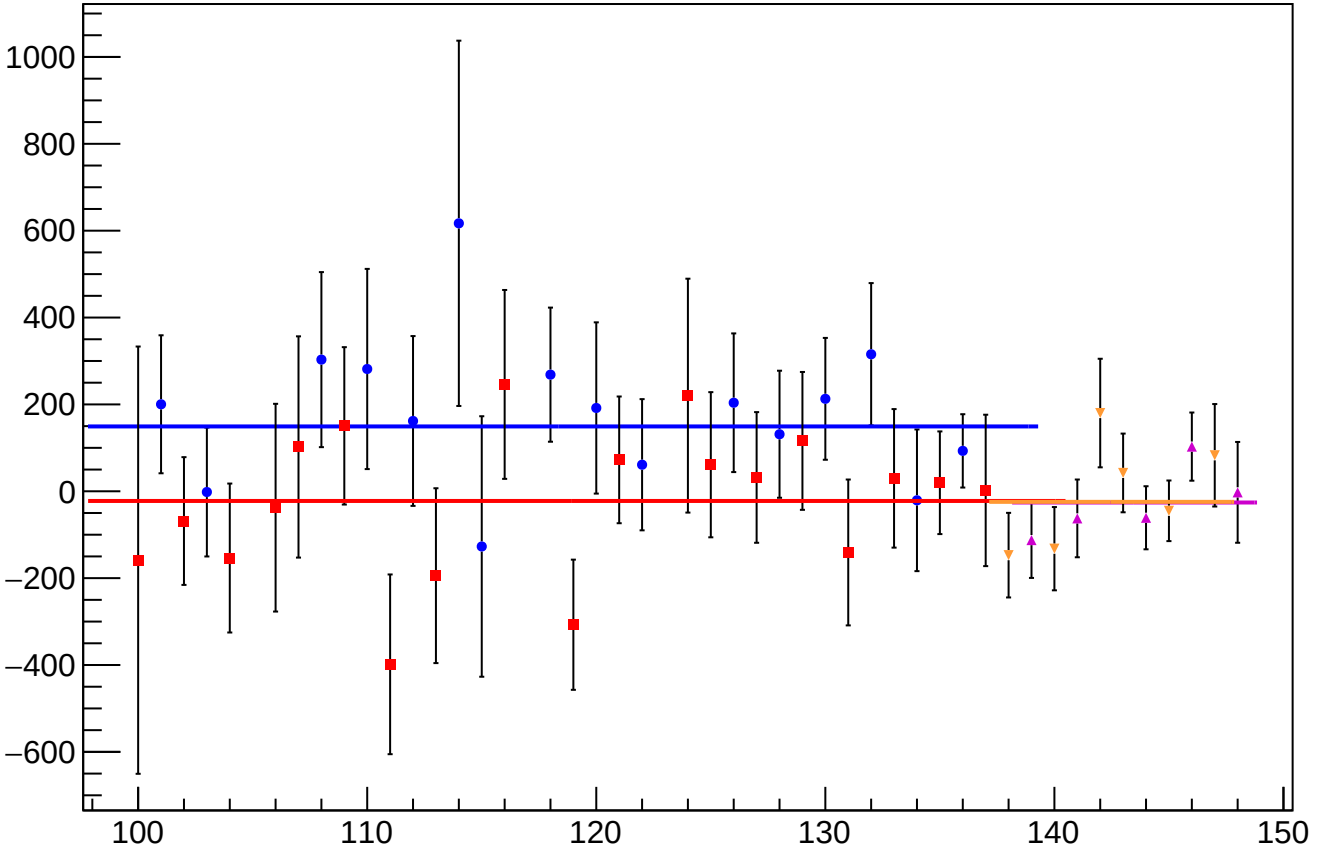
Left In: 454.529+/-0.156 χ^2/NDF:106781.0/4

+ sign 547.423+/-0.119 χ^2/NDF: 2211453.3/21

All: 552.344+/-0.085 χ^2/NDF: 4437294.5/45

- sign 557.435+/-0.121 χ^2/NDF: 2222358.2/23

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

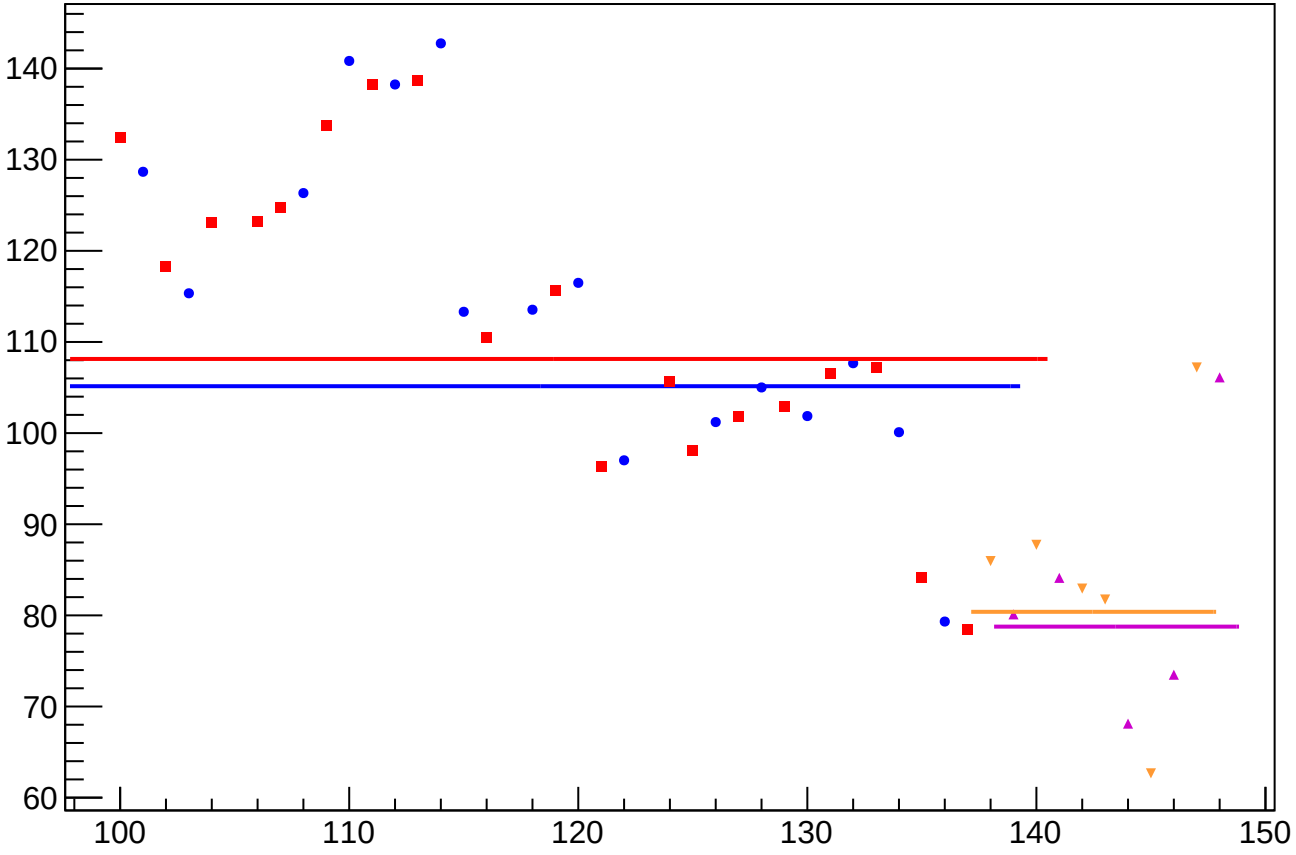
Left In: -25.845+/-38.271 χ^2/NDF:4.1/4

+ sign 59.661+/-27.605 χ^2/NDF: 24.9/21

All: 17.887+/-19.551 χ^2/NDF: 47.8/45

- sign -24.155+/-27.693 χ^2/NDF: 18.3/23

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

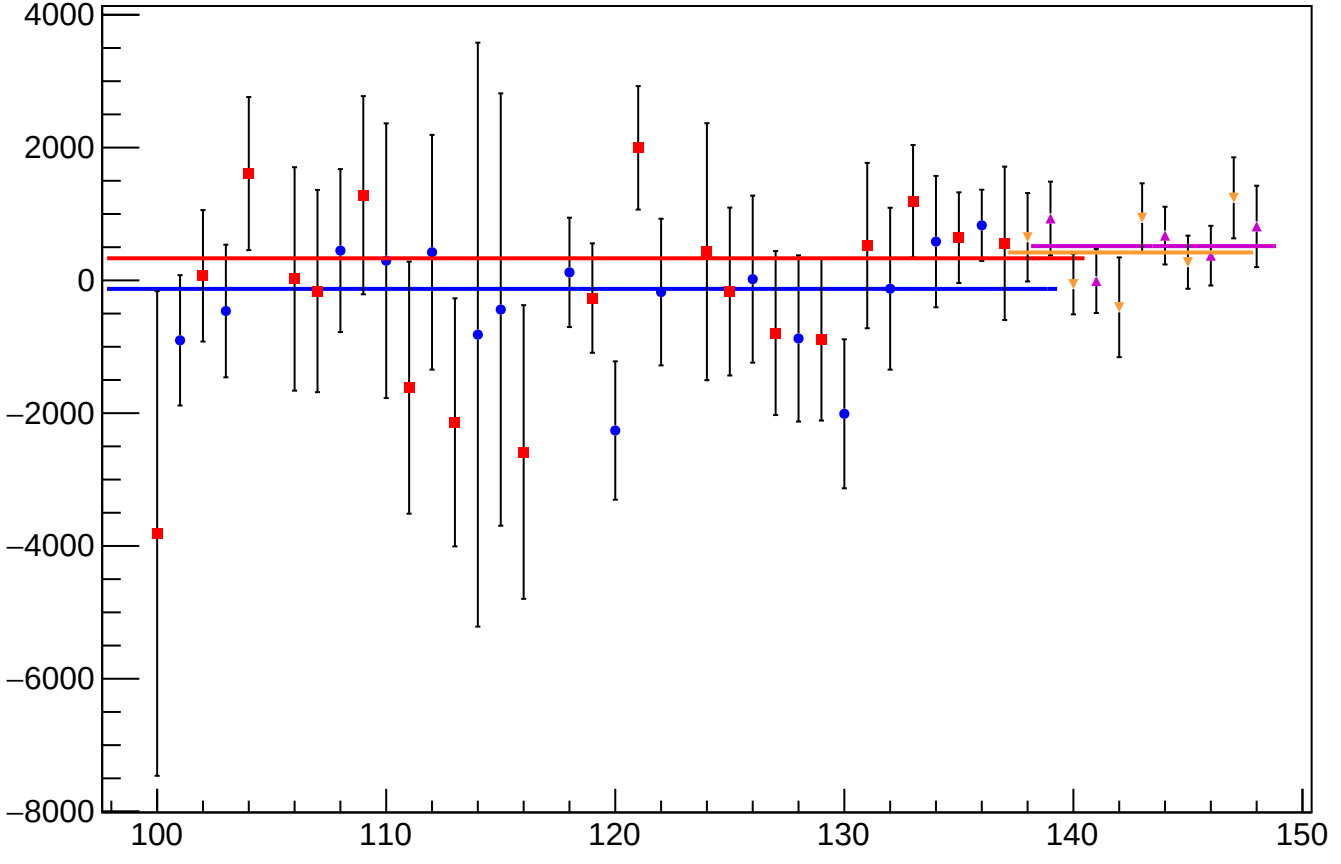
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.7/21

All: 92.562+/-0.014 χ^2/NDF: 2140500.7/45

- sign 92.758+/-0.020 χ^2/NDF: 1078167.7/23



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.136+/-215.762 χ^2/NDF:5.4/5

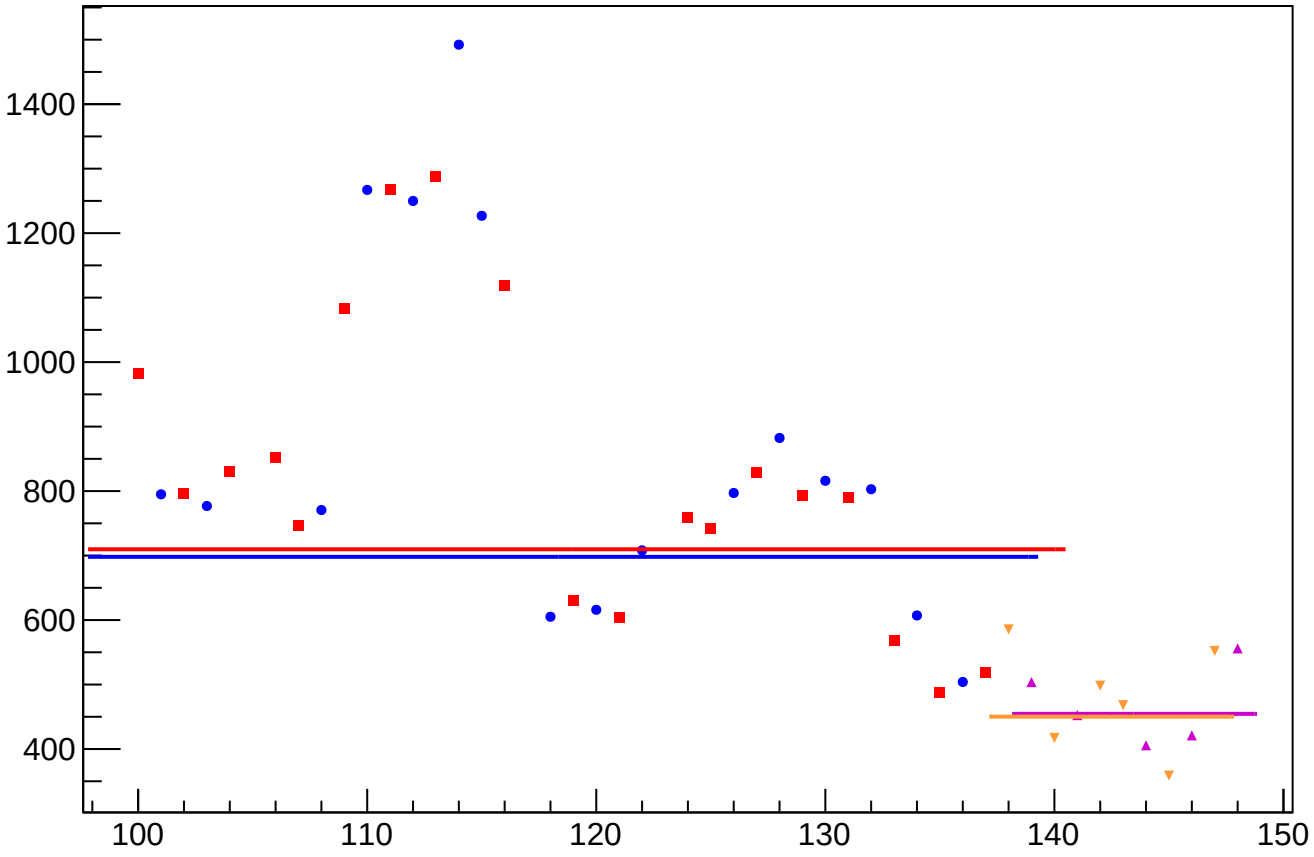
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 516.286+/-221.067 χ^2/NDF:2.2/4

+ sign 205.153+/-168.215 χ^2/NDF: 20.2/21

All: 321.877+/-120.008 χ^2/NDF: 38.4/45

- sign 442.865+/-171.259 χ^2/NDF: 17.2/23



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

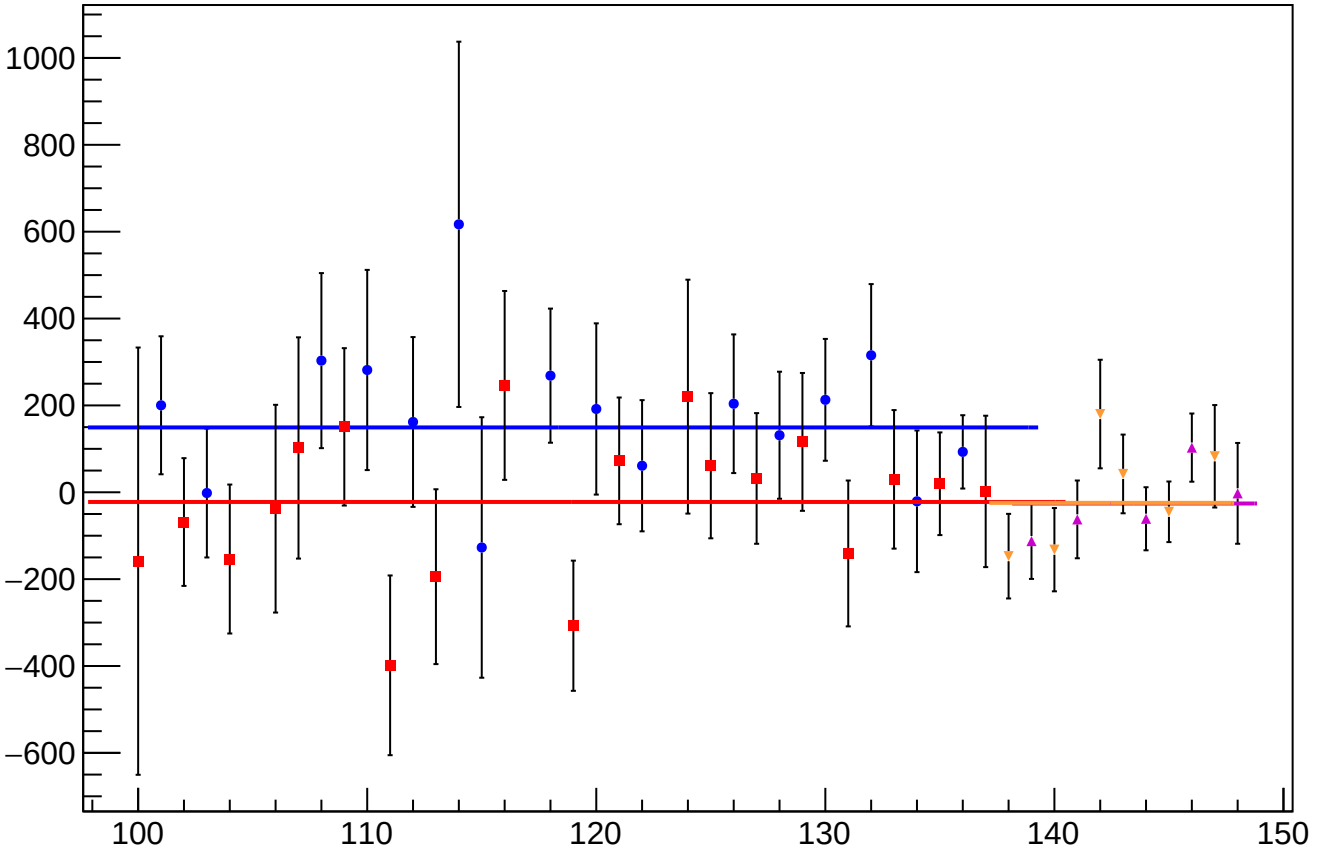
Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

+ sign 547.422+/-0.119 χ^2/NDF: 2211470.9/21

All: 551.918+/-0.085 χ^2/NDF: 4414146.5/45

- sign 556.579+/-0.121 χ^2/NDF: 2199766.0/23

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

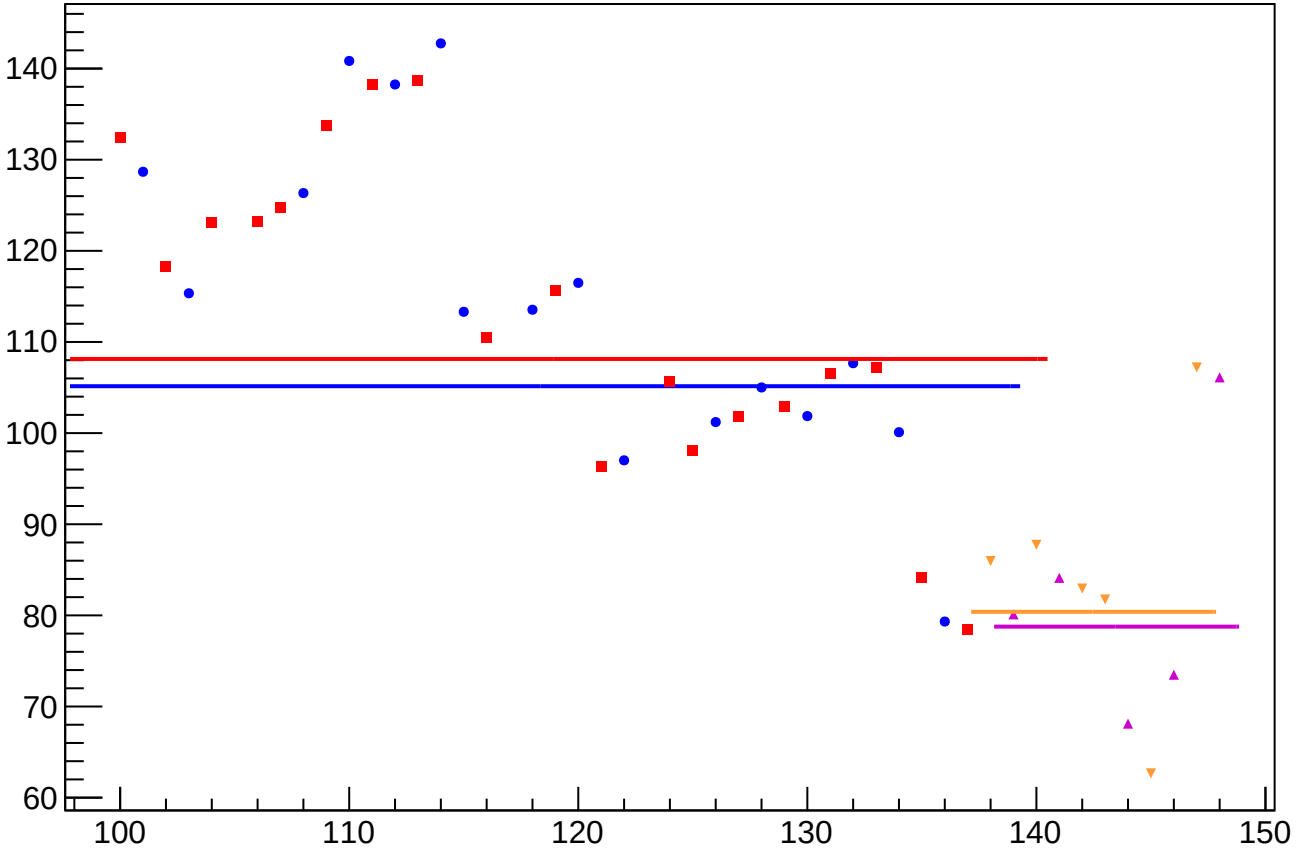
Left In: -25.845+/-38.271 χ^2/NDF:4.1/4

+ sign 59.661+/-27.605 χ^2/NDF: 24.9/21

All: 17.887+/-19.551 χ^2/NDF: 47.8/45

- sign -24.155+/-27.693 χ^2/NDF: 18.3/23

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

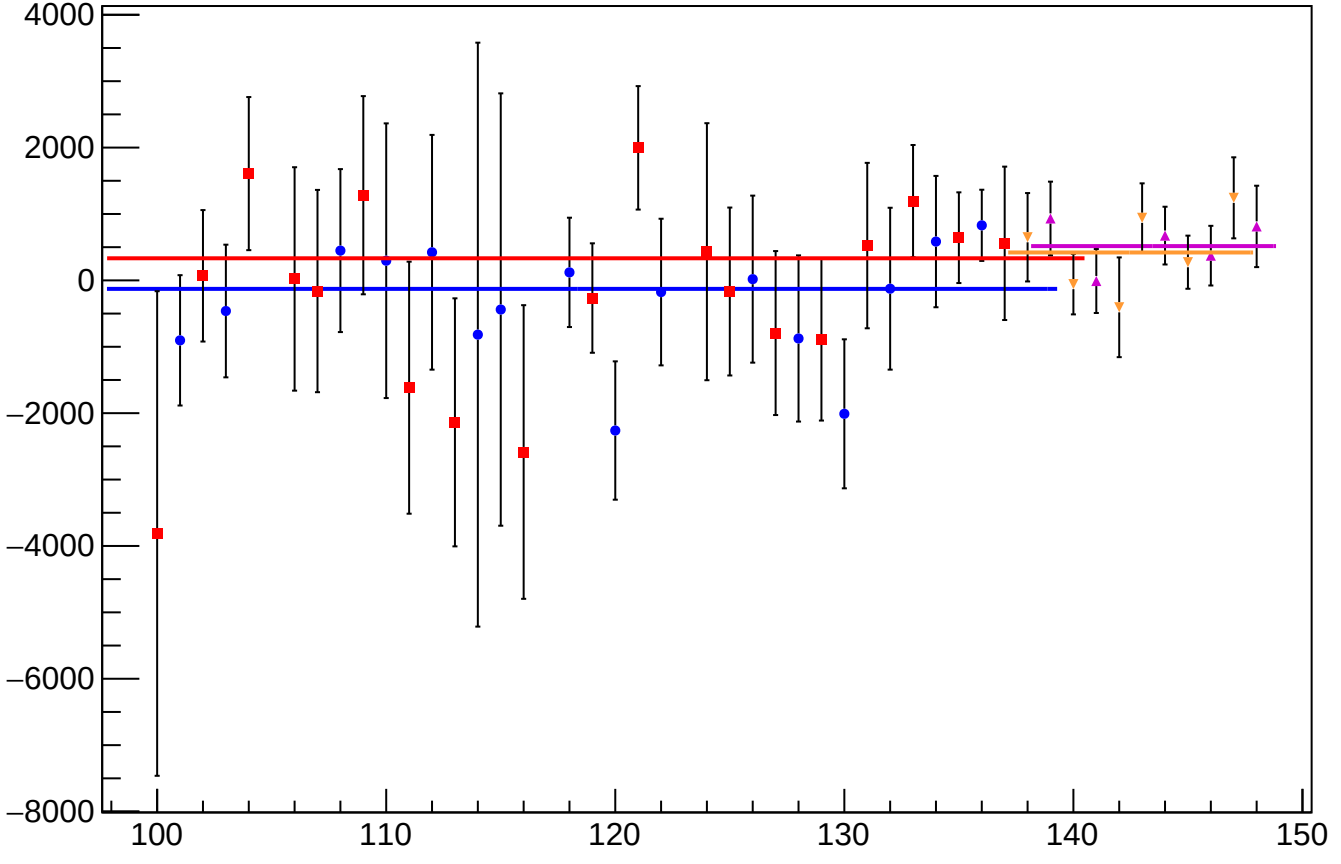
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.368+/-0.020 χ^2/NDF: 1062133.7/21

All: 92.562+/-0.014 χ^2/NDF: 2140500.7/45

- sign 92.758+/-0.020 χ^2/NDF: 1078167.7/23



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.136+/-215.762 χ^2/NDF:5.4/5

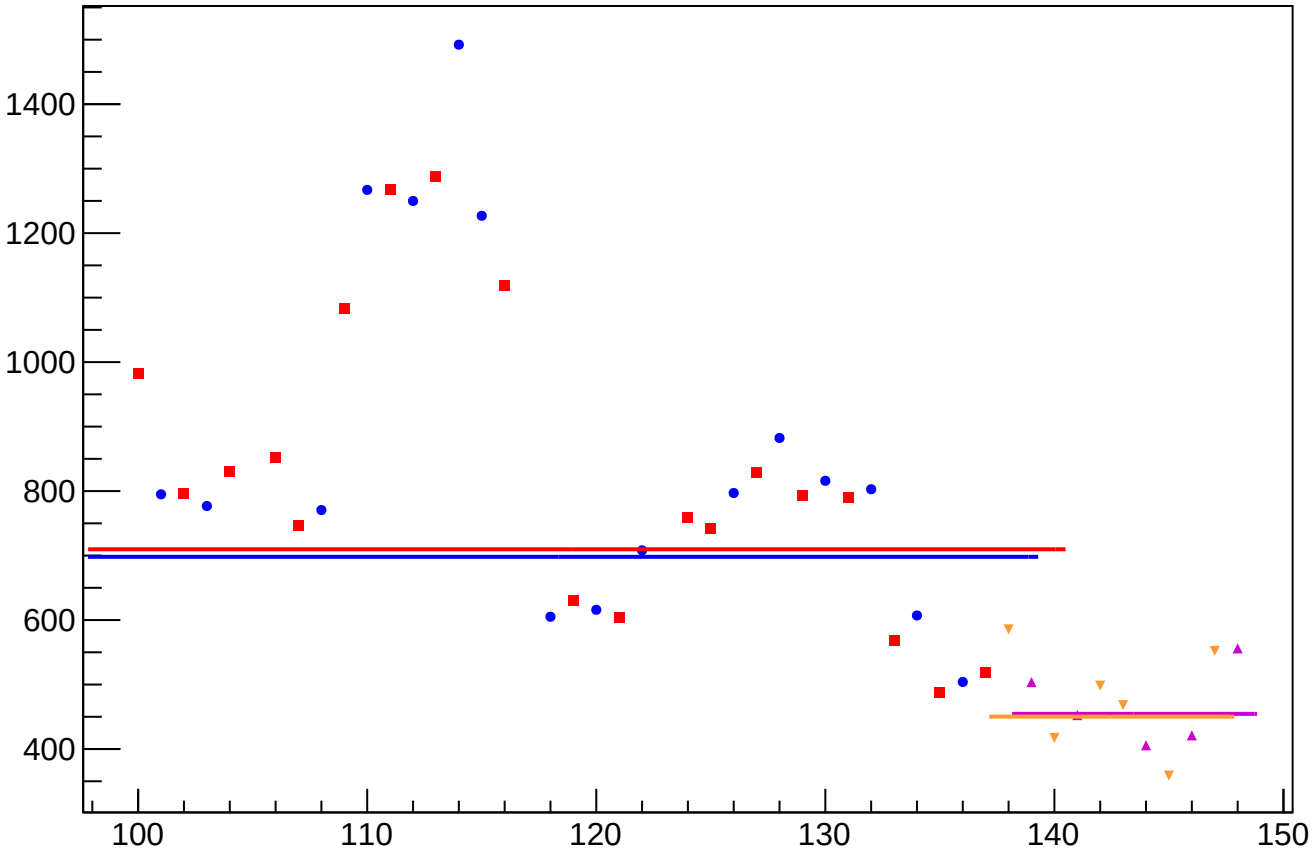
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 516.286+/-221.067 χ^2/NDF:2.2/4

+ sign 205.153+/-168.215 χ^2/NDF: 20.2/21

All: 321.877+/-120.008 χ^2/NDF: 38.4/45

- sign 442.865+/-171.259 χ^2/NDF: 17.2/23



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

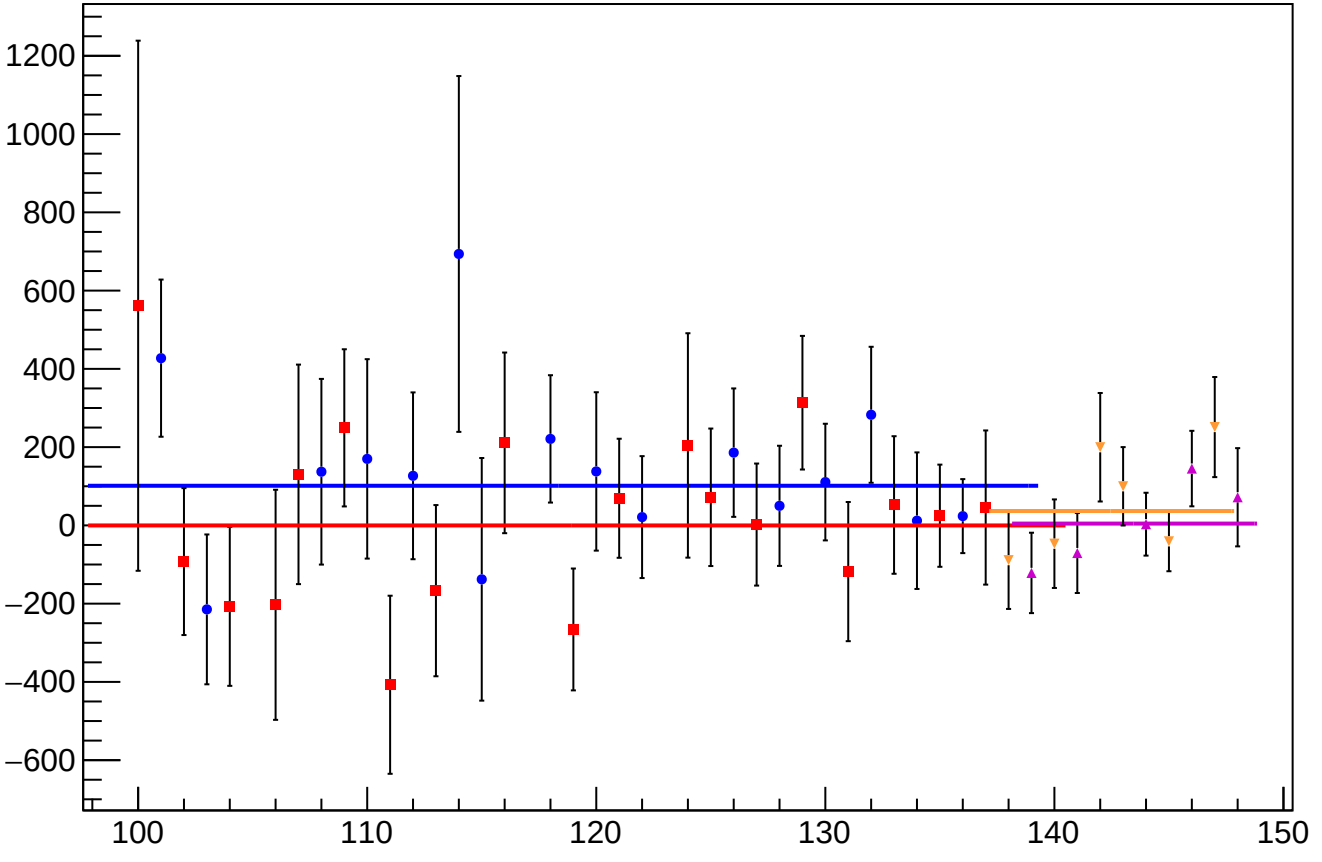
Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

+ sign 547.422+/-0.119 χ^2/NDF: 2211470.9/21

All: 551.918+/-0.085 χ^2/NDF: 4414146.5/45

- sign 556.579+/-0.121 χ^2/NDF: 2199766.0/23

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

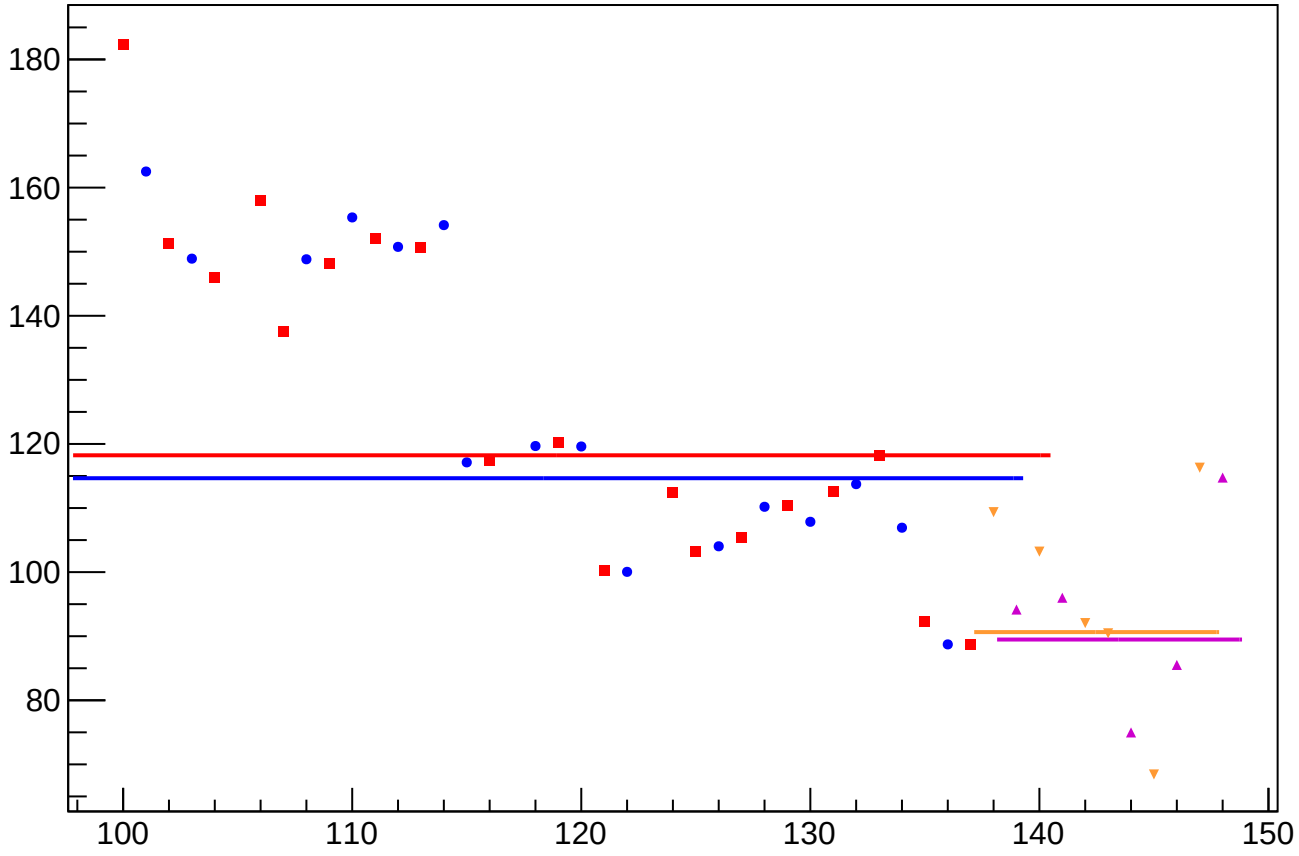
Left In: 4.603+/-44.002 χ^2/NDF:4.5/4

\+ sign 69.051+/-30.789 χ^2/NDF: 19.3/21

All: 36.009+/-21.889 χ^2/NDF: 42.7/45

\- sign 2.241+/-31.126 χ^2/NDF: 21.1/23

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

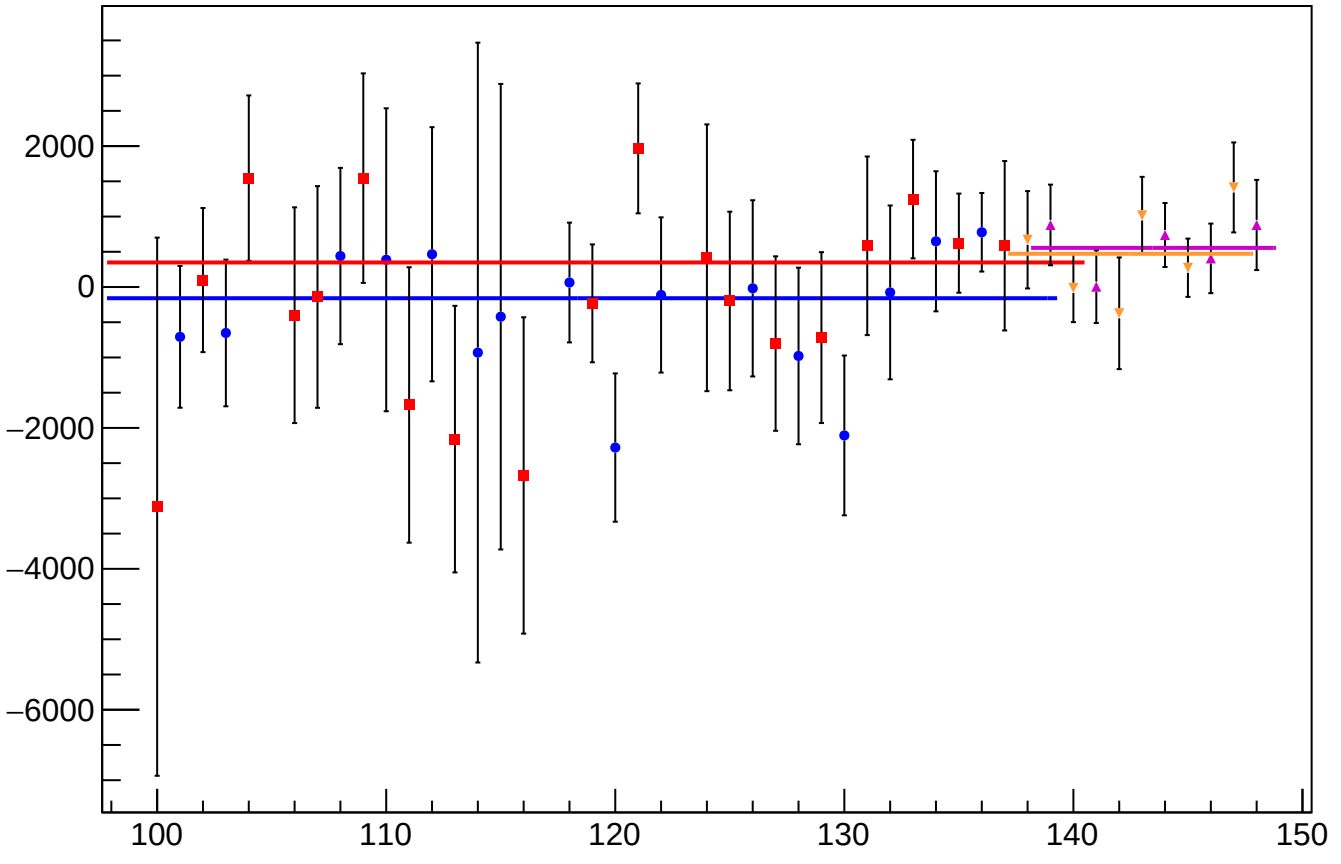
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 89.482+/-0.031 χ^2/NDF:161892.8/4

+ sign 102.667+/-0.022 χ^2/NDF: 1155603.3/21

All: 103.250+/-0.015 χ^2/NDF: 2228906.0/45

- sign 103.845+/-0.022 χ^2/NDF: 1071852.9/23



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

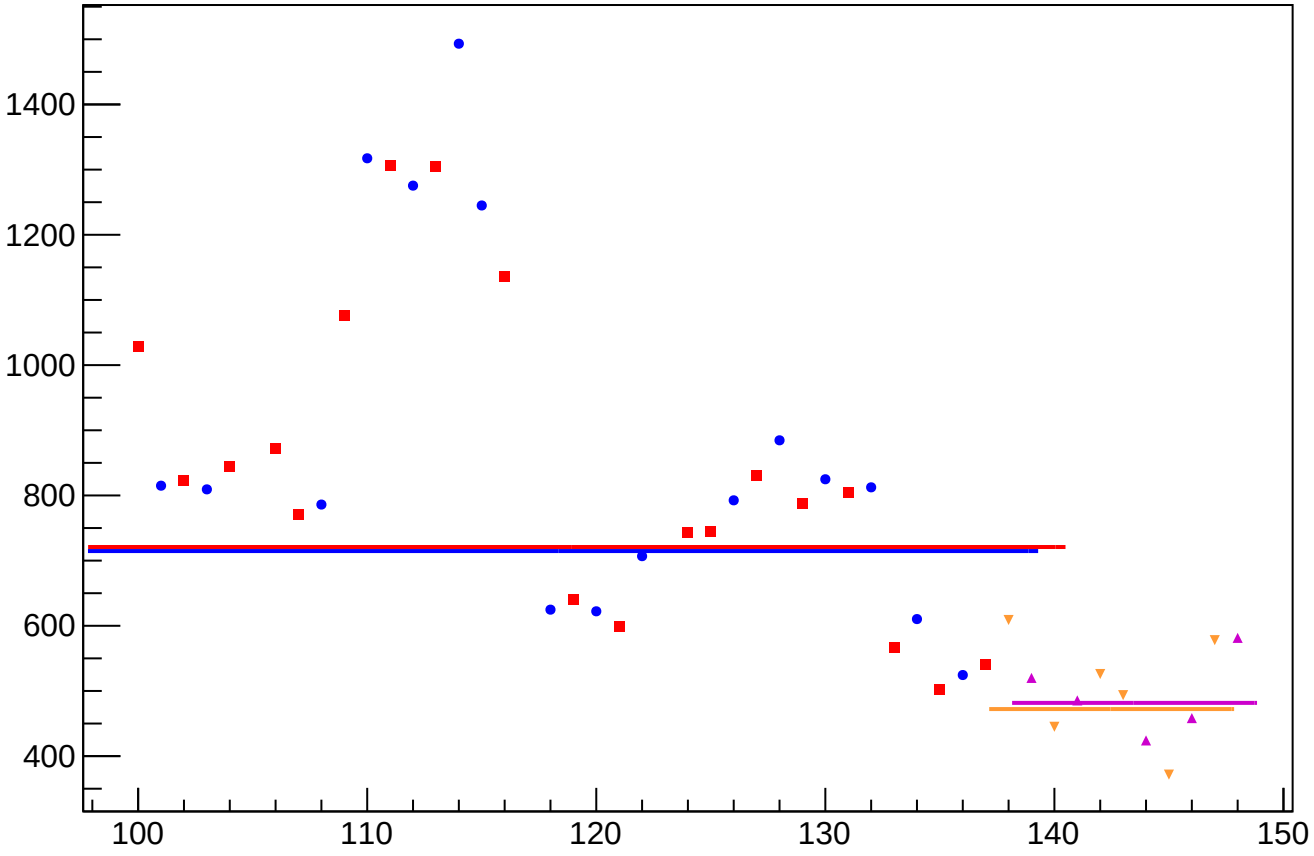
Left In: 555.332+/-234.465 χ^2/NDF:2.0/4

+ sign 216.682+/-174.554 χ^2/NDF: 20.7/21

All: 339.745+/-124.640 χ^2/NDF: 38.3/45

- sign 467.764+/-178.034 χ^2/NDF: 16.6/23

asym_sam_26_48_dd_dit_correction_rms vs Slug



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

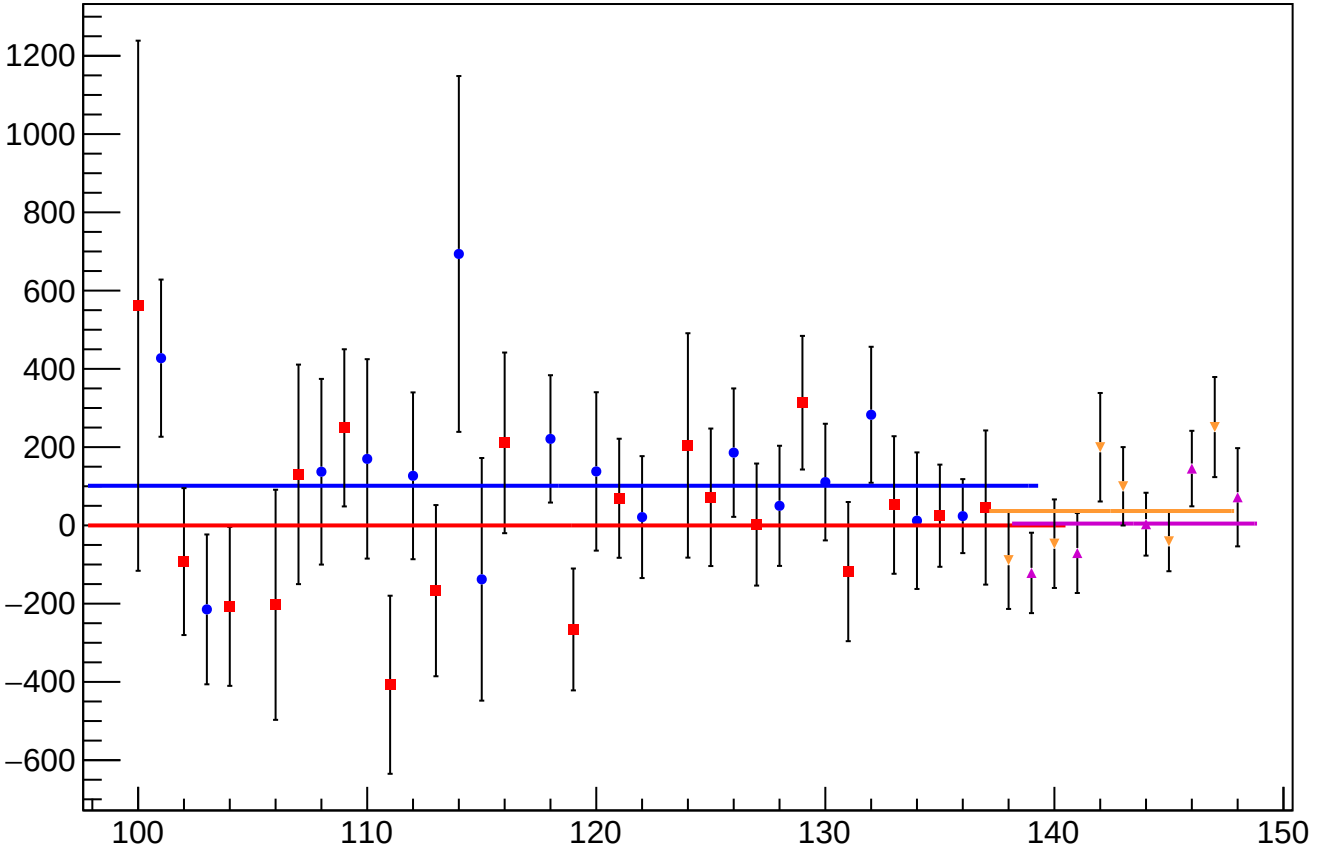
Left In: 481.697+/-0.166 χ^2/NDF:94325.6/4

+ sign 570.213+/-0.123 χ^2/NDF: 2075183.1/21

All: 576.469+/-0.088 χ^2/NDF: 4074516.0/45

- sign 582.978+/-0.126 χ^2/NDF: 1994090.8/23

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

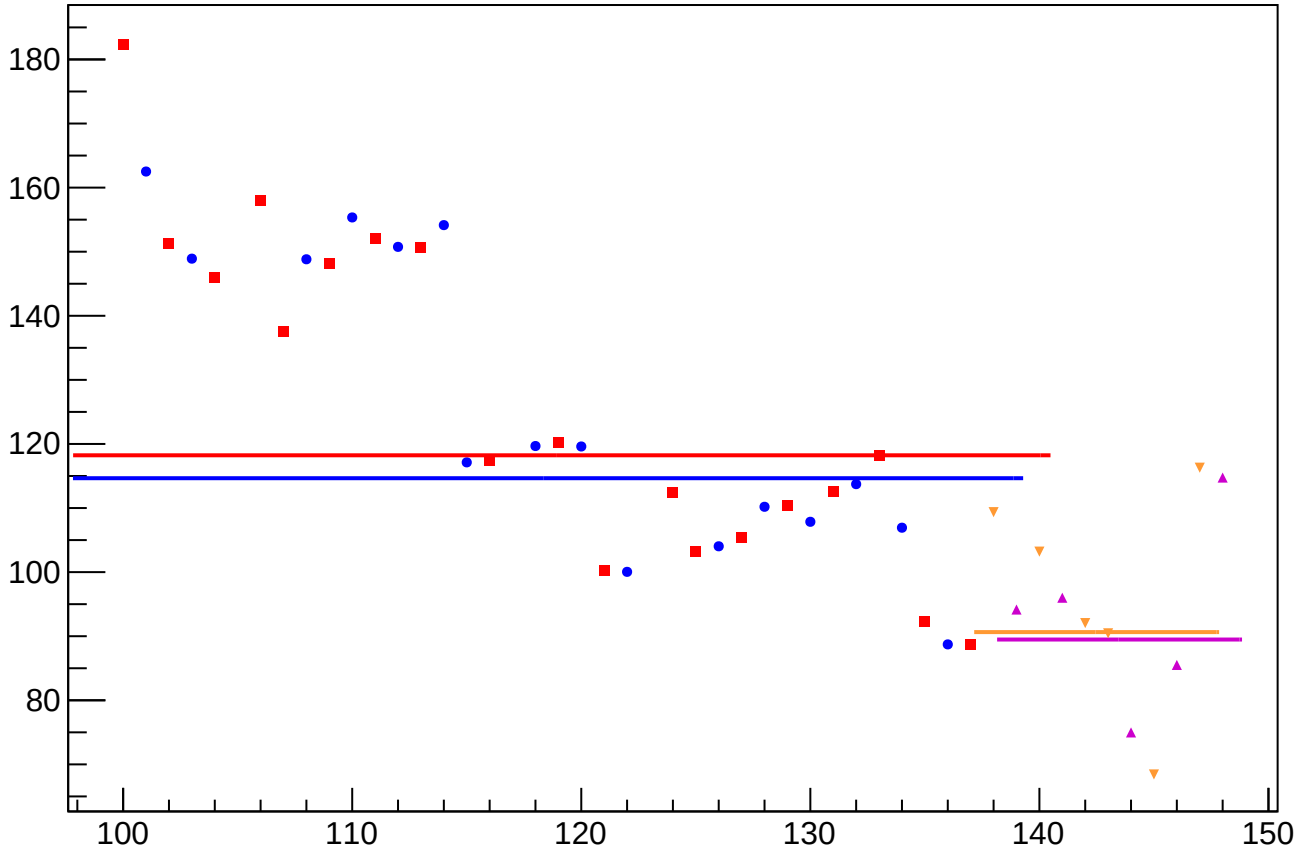
Left In: 4.603+/-44.002 χ^2/NDF:4.5/4

\+ sign 69.050+/-30.789 χ^2/NDF: 19.3/21

All: 36.009+/-21.889 χ^2/NDF: 42.7/45

\- sign 2.241+/-31.126 χ^2/NDF: 21.1/23

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

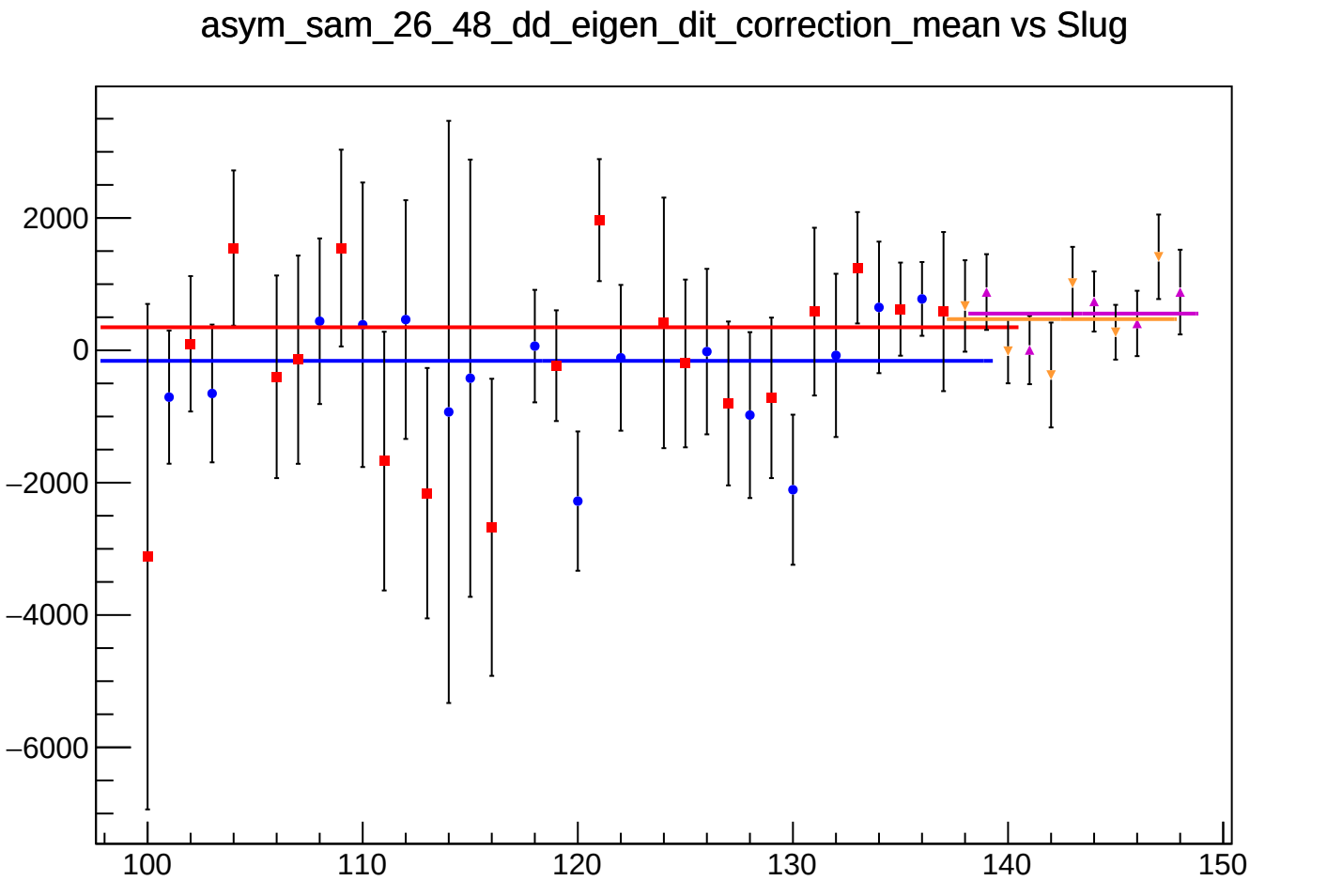
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 89.482+/-0.031 χ^2/NDF:161894.2/4

+ sign 102.667+/-0.022 χ^2/NDF: 1155599.1/21

All: 103.250+/-0.015 χ^2/NDF: 2228893.3/45

- sign 103.845+/-0.022 χ^2/NDF: 1071844.4/23



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 471.619+/-226.140 χ^2/NDF:5.6/5

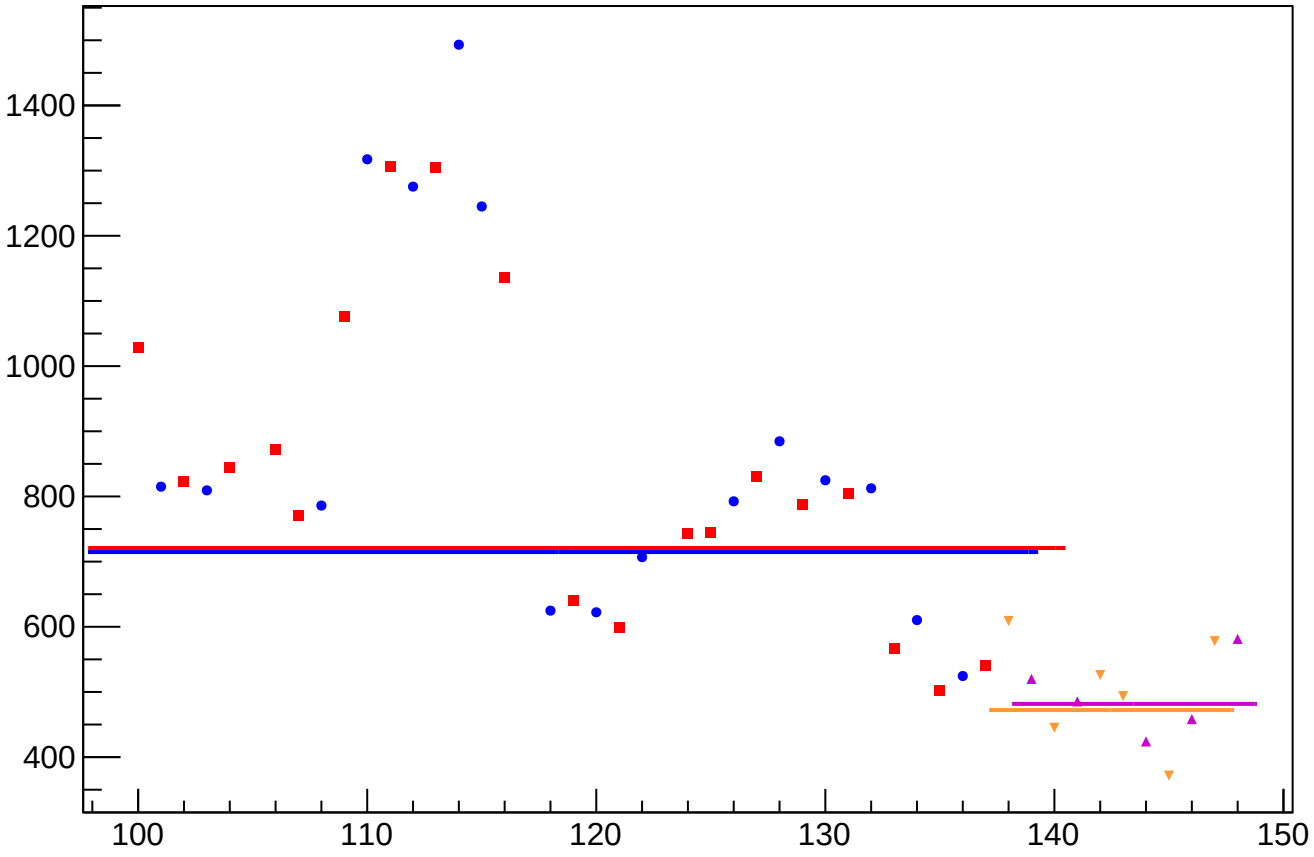
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 555.332+/-234.465 χ^2/NDF:2.0/4

+ sign 216.681+/-174.554 χ^2/NDF: 20.7/21

All: 339.744+/-124.640 χ^2/NDF: 38.3/45

- sign 467.764+/-178.034 χ^2/NDF: 16.6/23



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

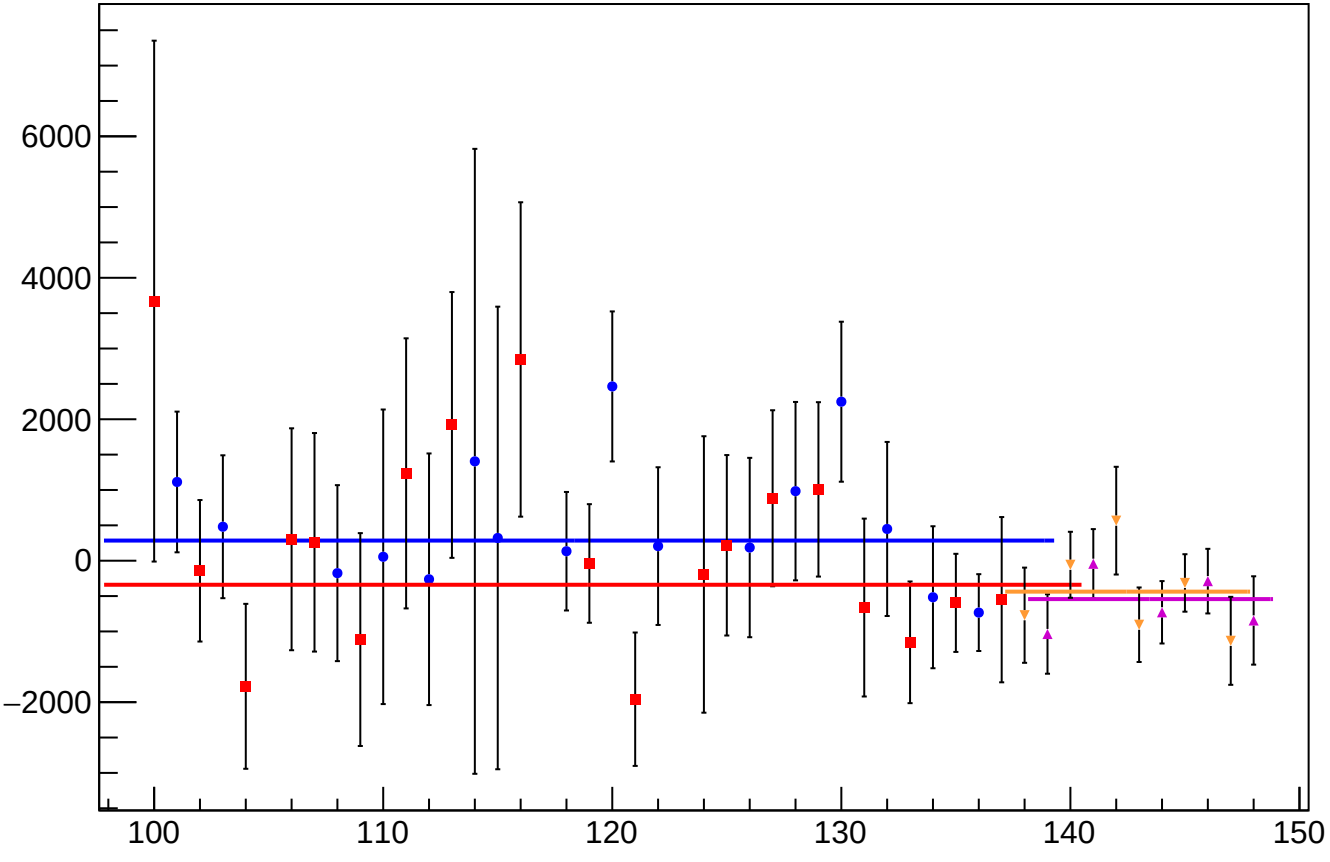
Left In: 481.697+/-0.166 χ^2/NDF:94326.9/4

+ sign 570.213+/-0.123 χ^2/NDF: 2075182.4/21

All: 576.469+/-0.088 χ^2/NDF: 4074505.9/45

- sign 582.978+/-0.126 χ^2/NDF: 1994081.3/23

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

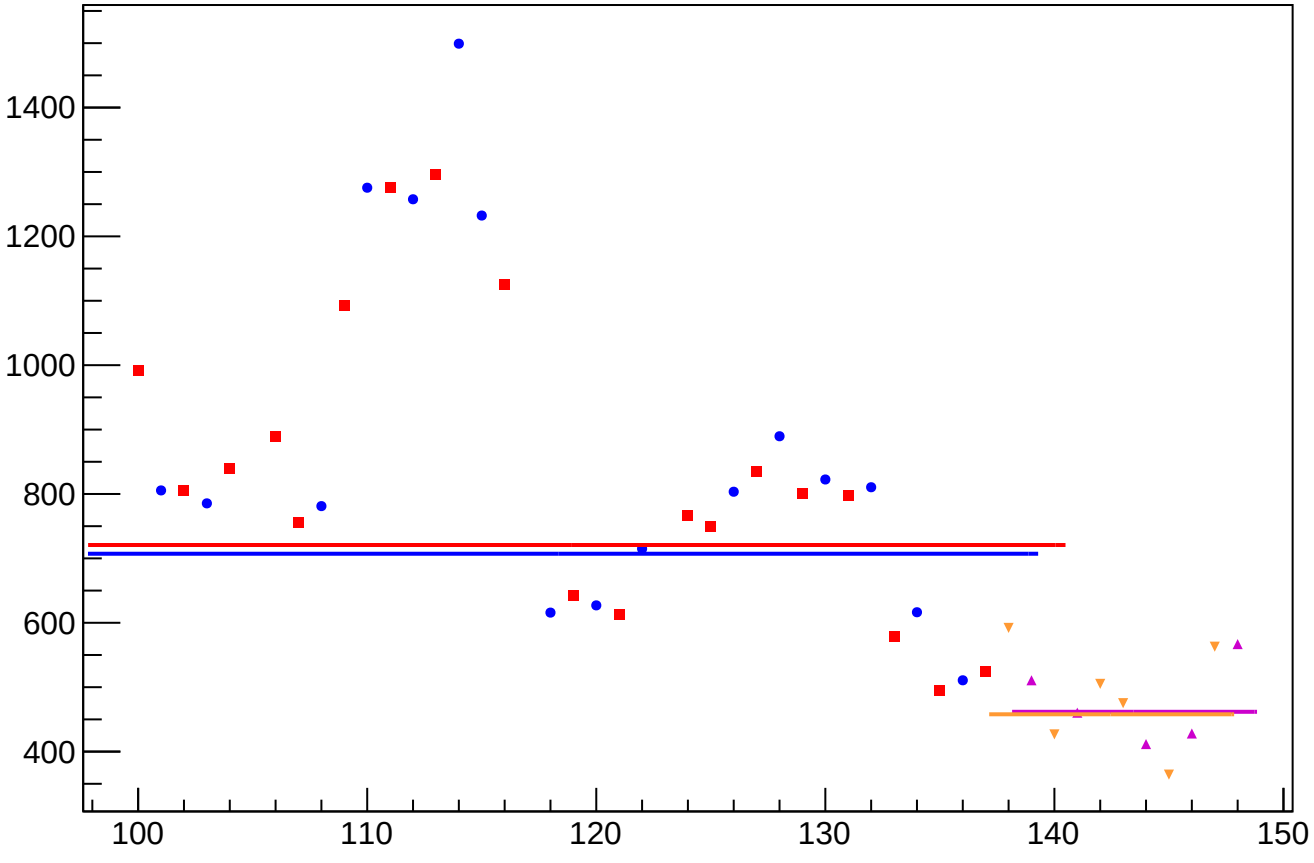
Left In: -542.667+/-224.557 χ^2/NDF:2.5/4

\+ sign -152.579+/-170.749 χ^2/NDF: 21.8/21

All: -304.305+/-121.726 χ^2/NDF: 40.4/45

\- sign -461.102+/-173.579 χ^2/NDF: 16.9/23

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

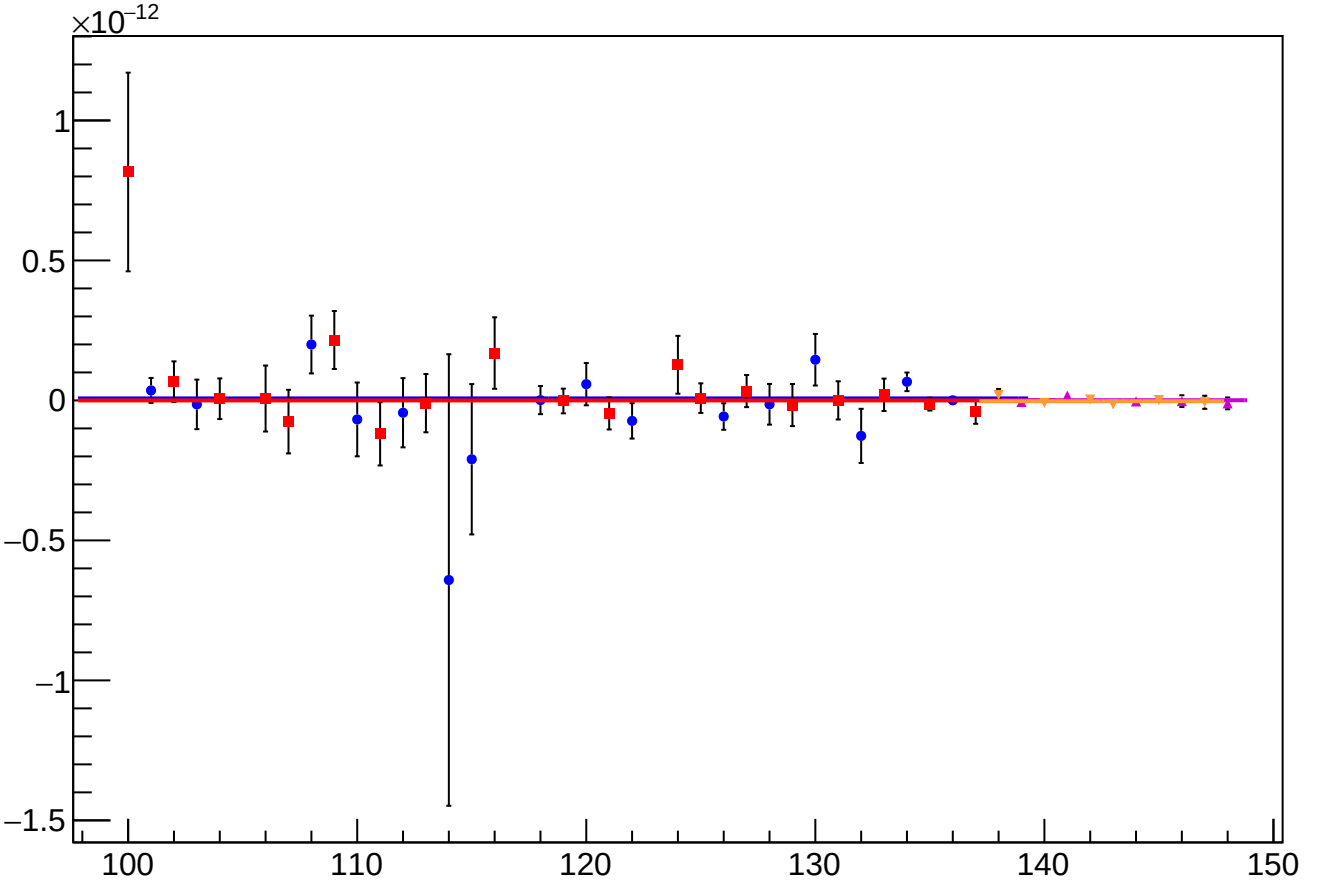
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 461.786+/-0.159 χ^2/NDF:108548.5/4

+ sign 556.201+/-0.121 χ^2/NDF: 2176259.8/21

All: 561.034+/-0.086 χ^2/NDF: 4374139.4/45

- sign 566.029+/-0.123 χ^2/NDF: 2194621.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/5

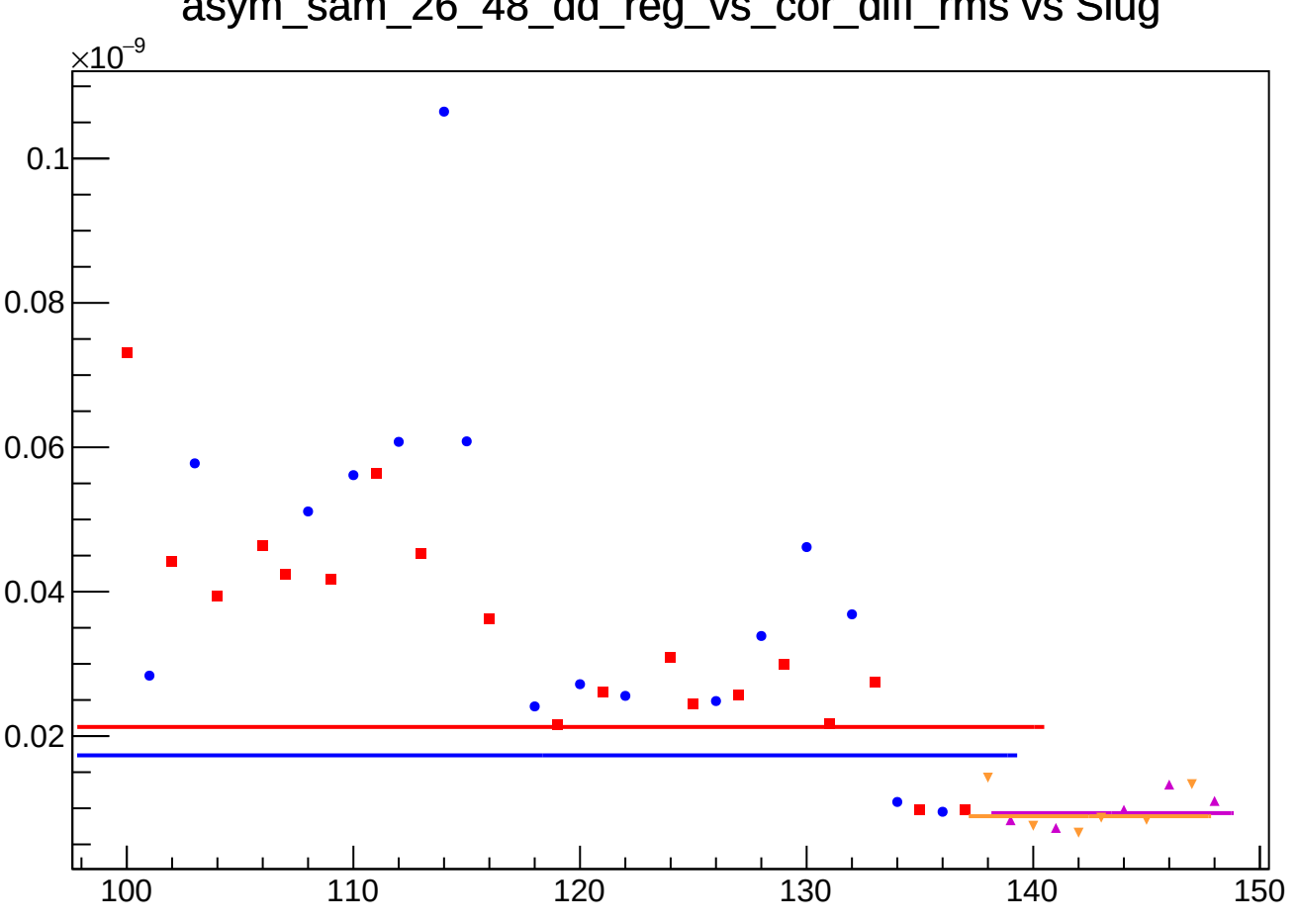
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/21

All: 0.000+/-0.000 χ^2/NDF: 39.7/45

- sign 0.000+/-0.000 χ^2/NDF: 19.8/23



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

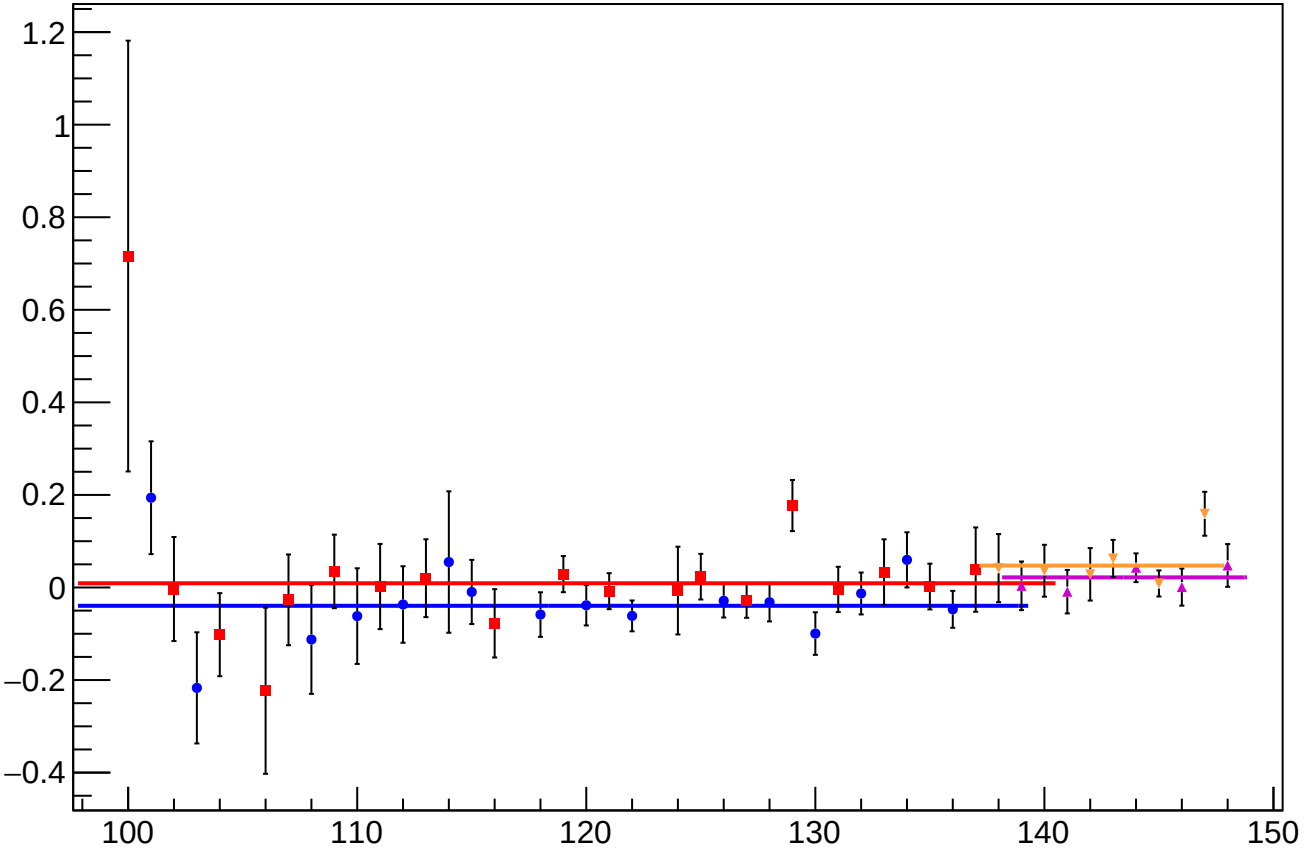
Left In: 0.000+/-0.000 χ^2/NDF:137491.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3430736.4/21

All: 0.000+/-0.000 χ^2/NDF: 6499539.4/45

- sign 0.000+/-0.000 χ^2/NDF: 3039887.2/23

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

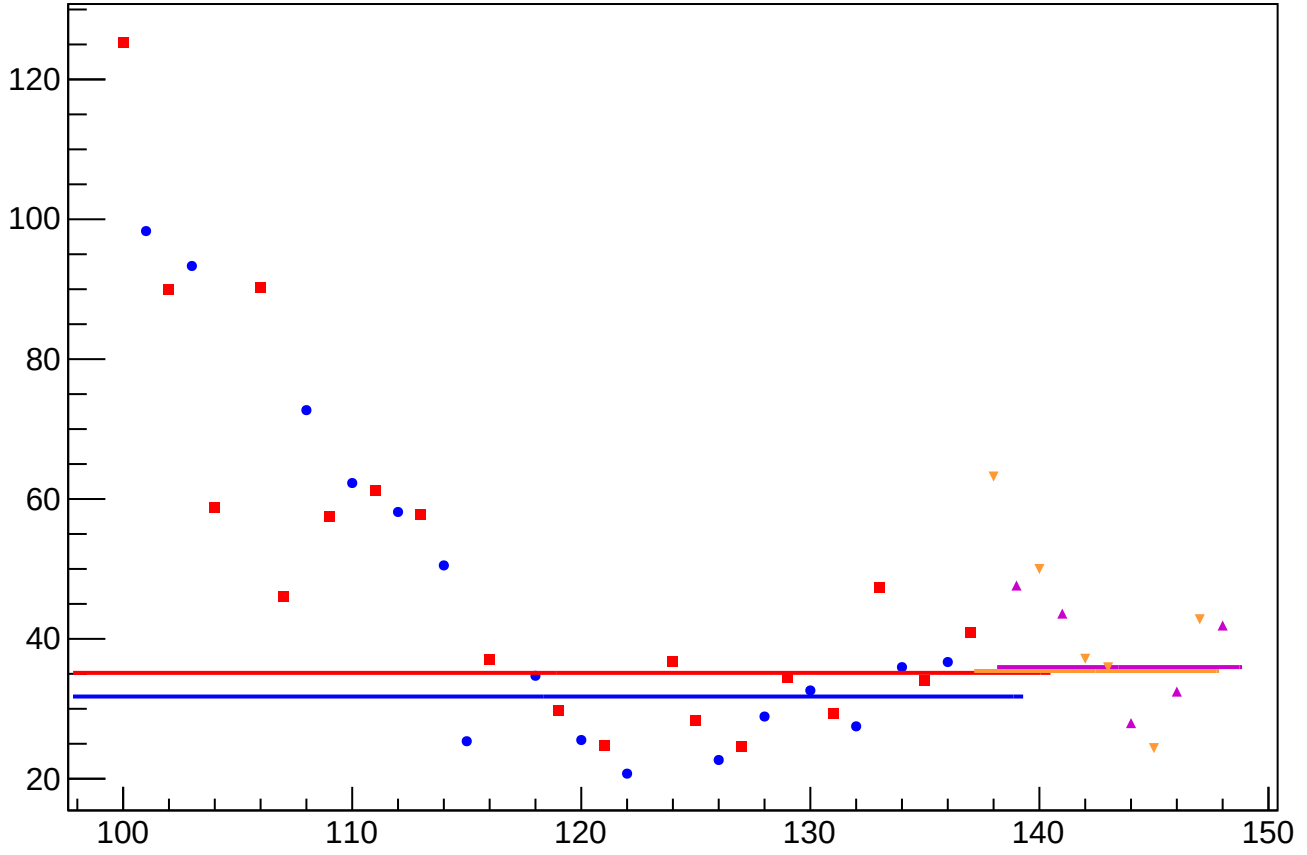
Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.002+/-0.008 χ^2/NDF: 57.9/45

- sign 0.014+/-0.011 χ^2/NDF: 20.2/23

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

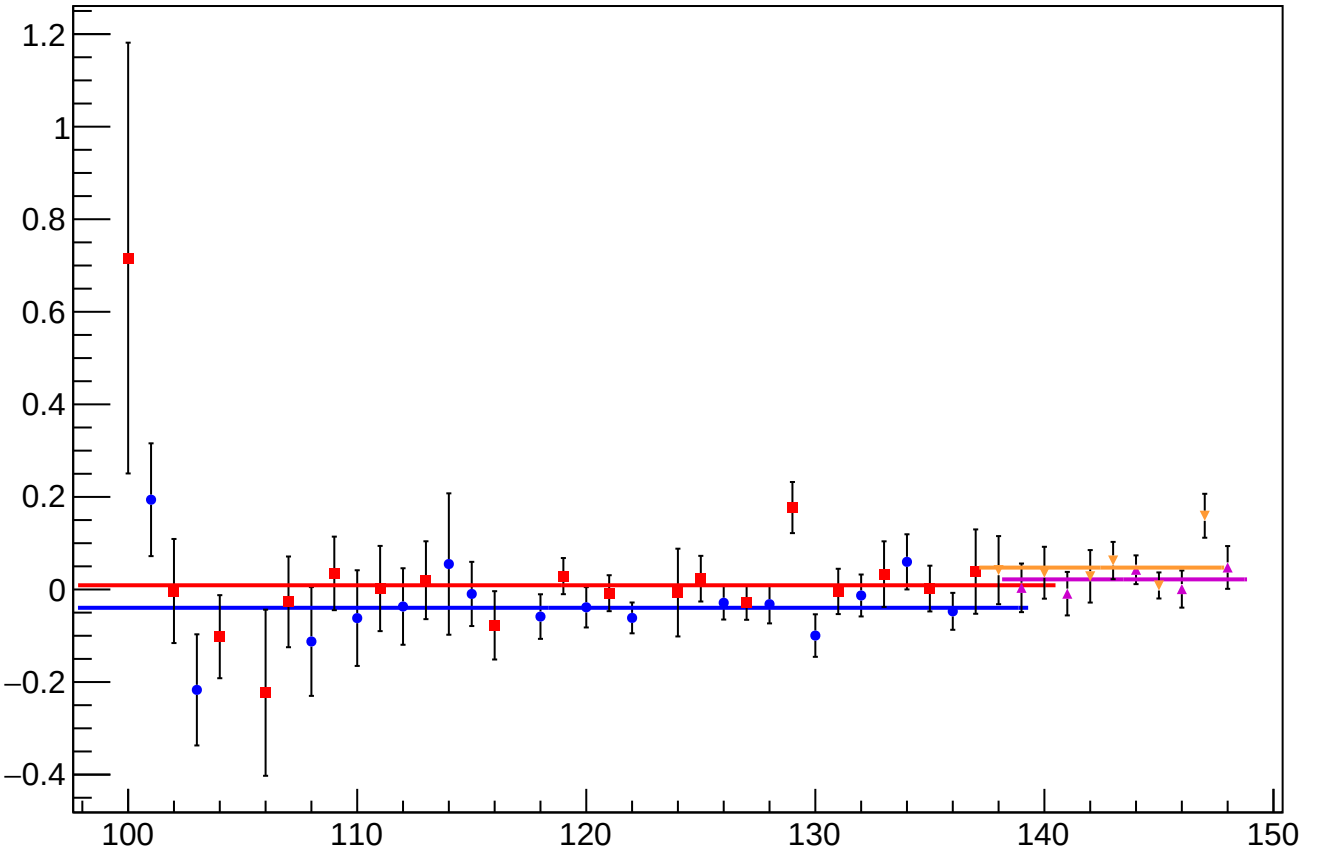
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

+ sign 33.041+/-0.007 χ^2/NDF: 3085214.6/21

All: 34.173+/-0.005 χ^2/NDF: 5313799.8/45

- sign 35.446+/-0.008 χ^2/NDF: 2180081.3/23



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

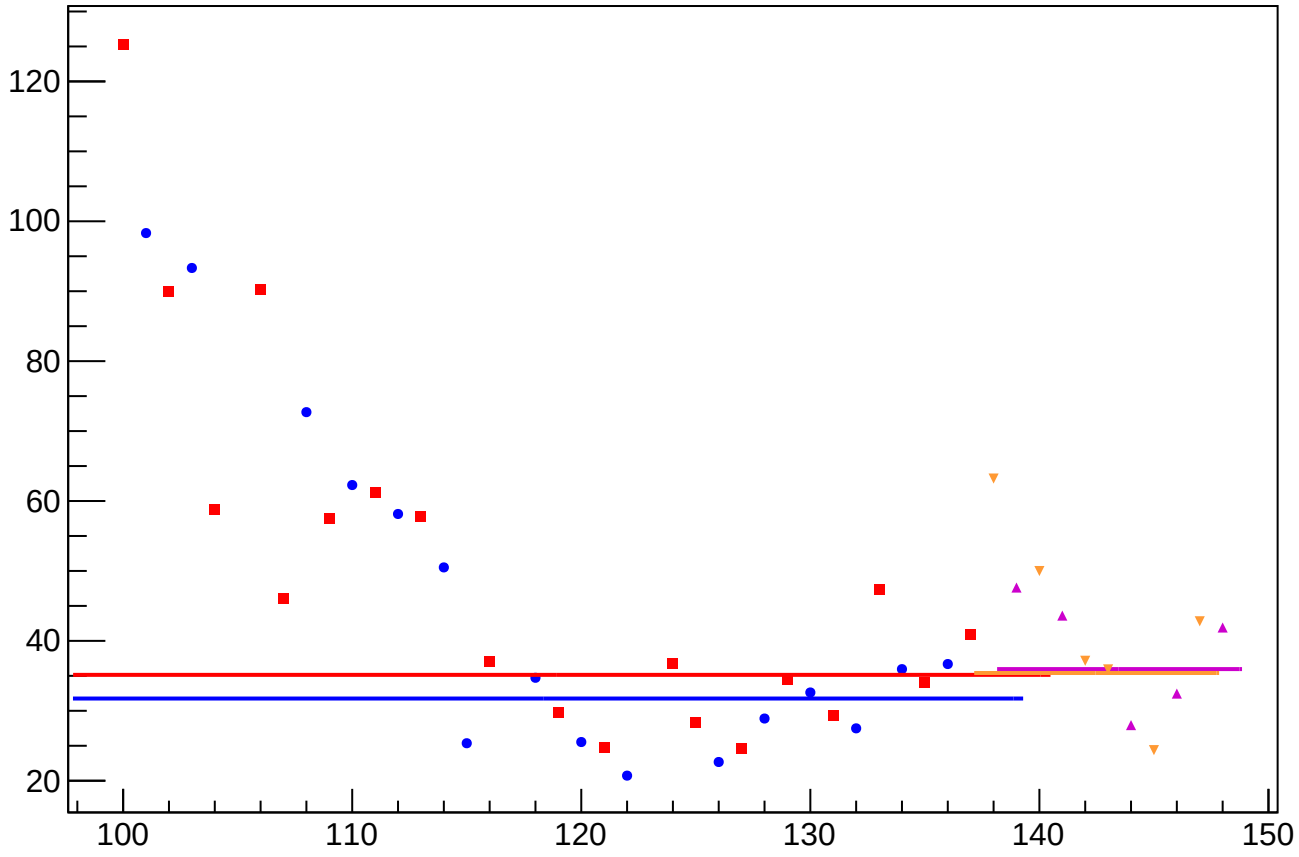
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.002+/-0.008 χ^2/NDF: 57.9/45

- sign 0.014+/-0.011 χ^2/NDF: 20.2/23



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

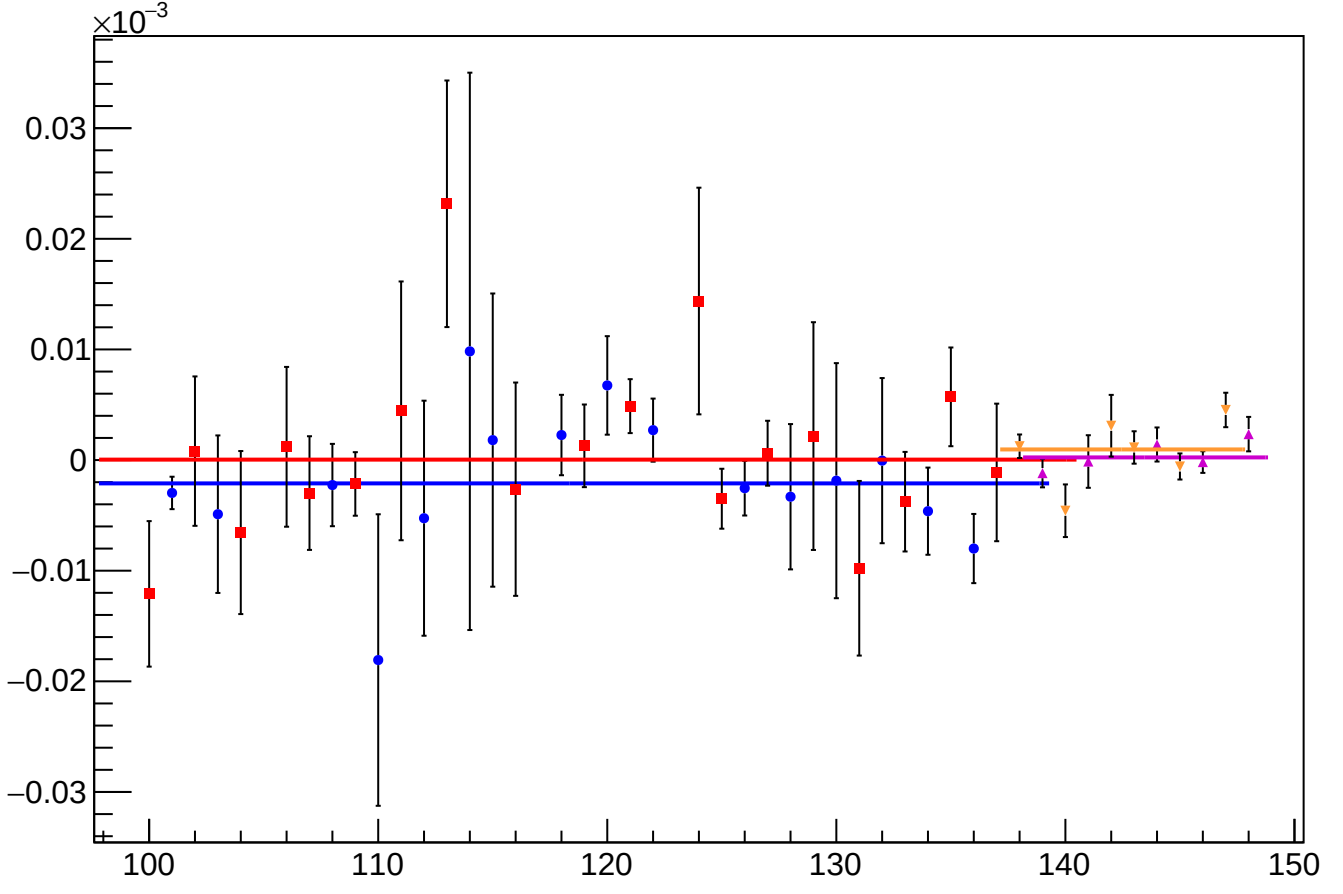
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

+ sign 33.041+/-0.007 χ^2/NDF: 3085214.6/21

All: 34.173+/-0.005 χ^2/NDF: 5313799.8/45

- sign 35.446+/-0.008 χ^2/NDF: 2180081.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/5

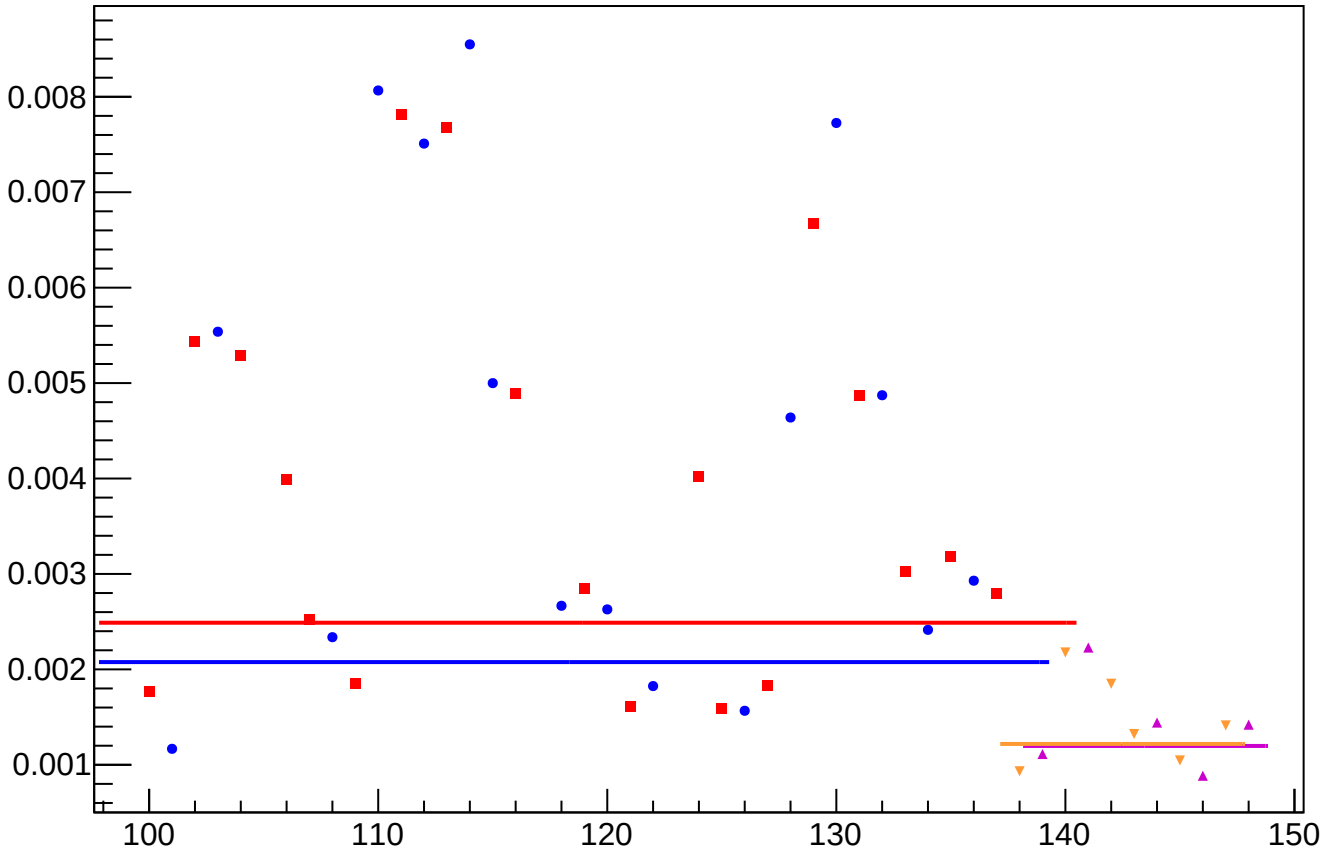
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/21

All: 0.000+/-0.000 χ^2/NDF: 61.0/45

- sign 0.000+/-0.000 χ^2/NDF: 25.3/23



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:656674.4/5

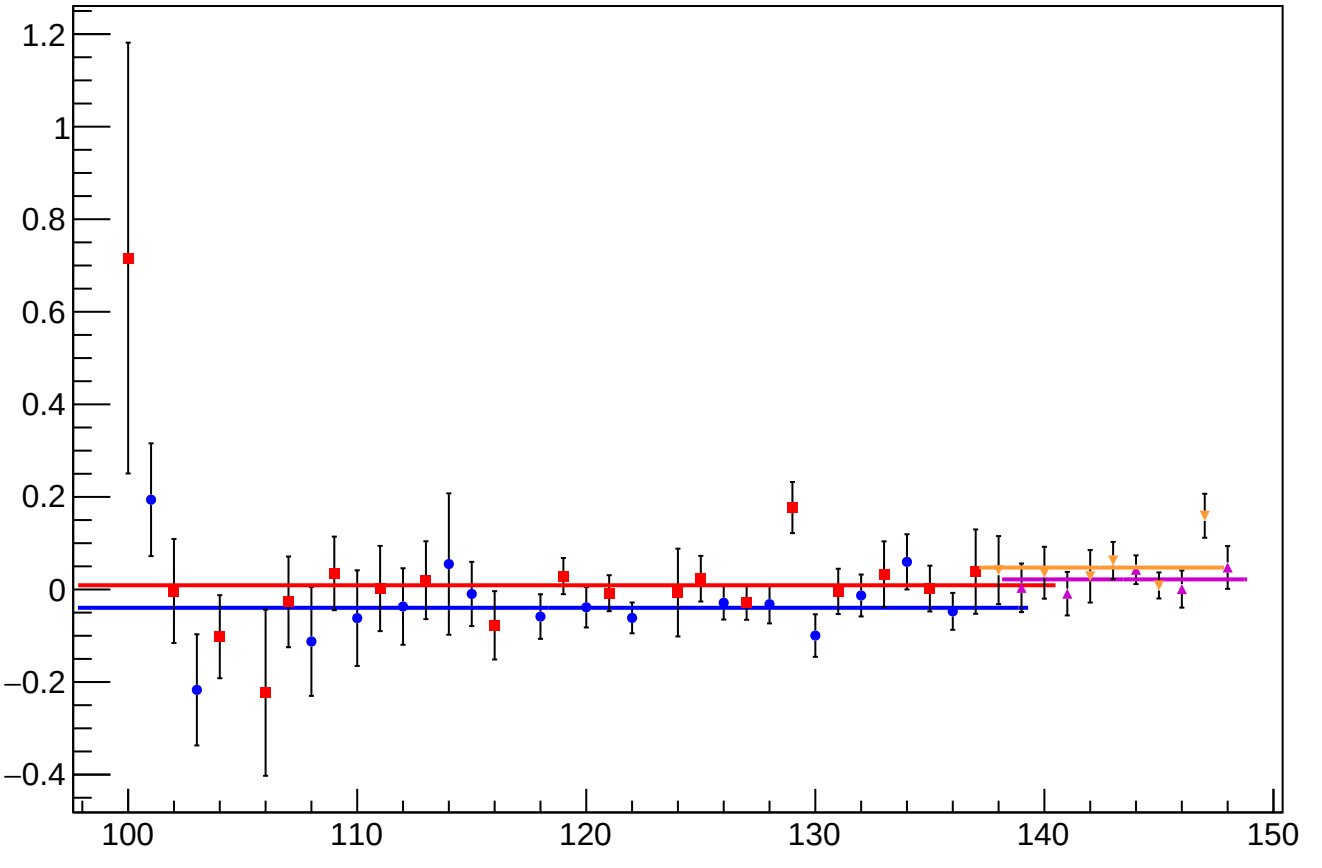
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:680930.0/4

+ sign 0.001+/-0.000 χ^2/NDF: 5814521.4/21

All: 0.002+/-0.000 χ^2/NDF: 11879085.0/45

- sign 0.002+/-0.000 χ^2/NDF: 6054565.4/23



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

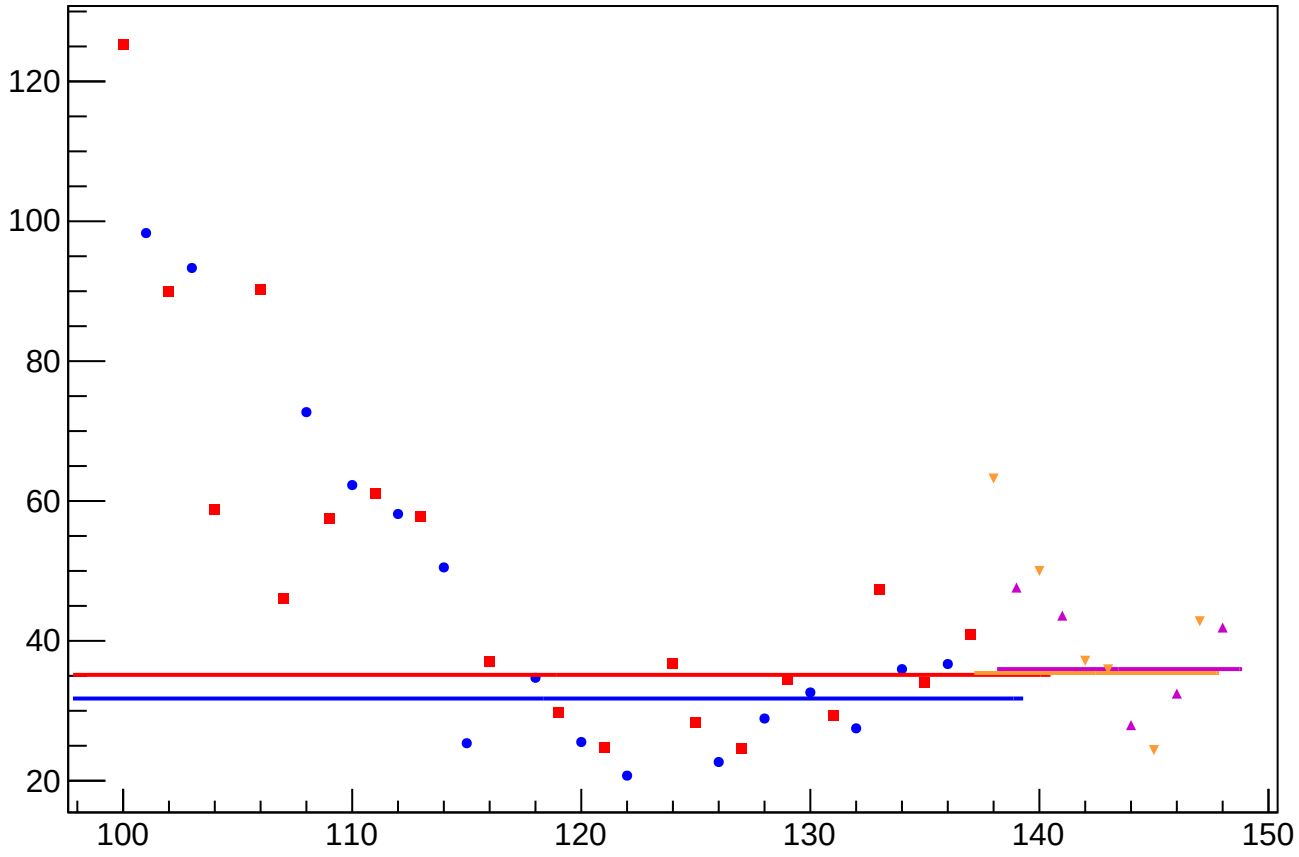
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.002+/-0.008 χ^2/NDF: 57.9/45

- sign 0.014+/-0.011 χ^2/NDF: 20.2/23



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

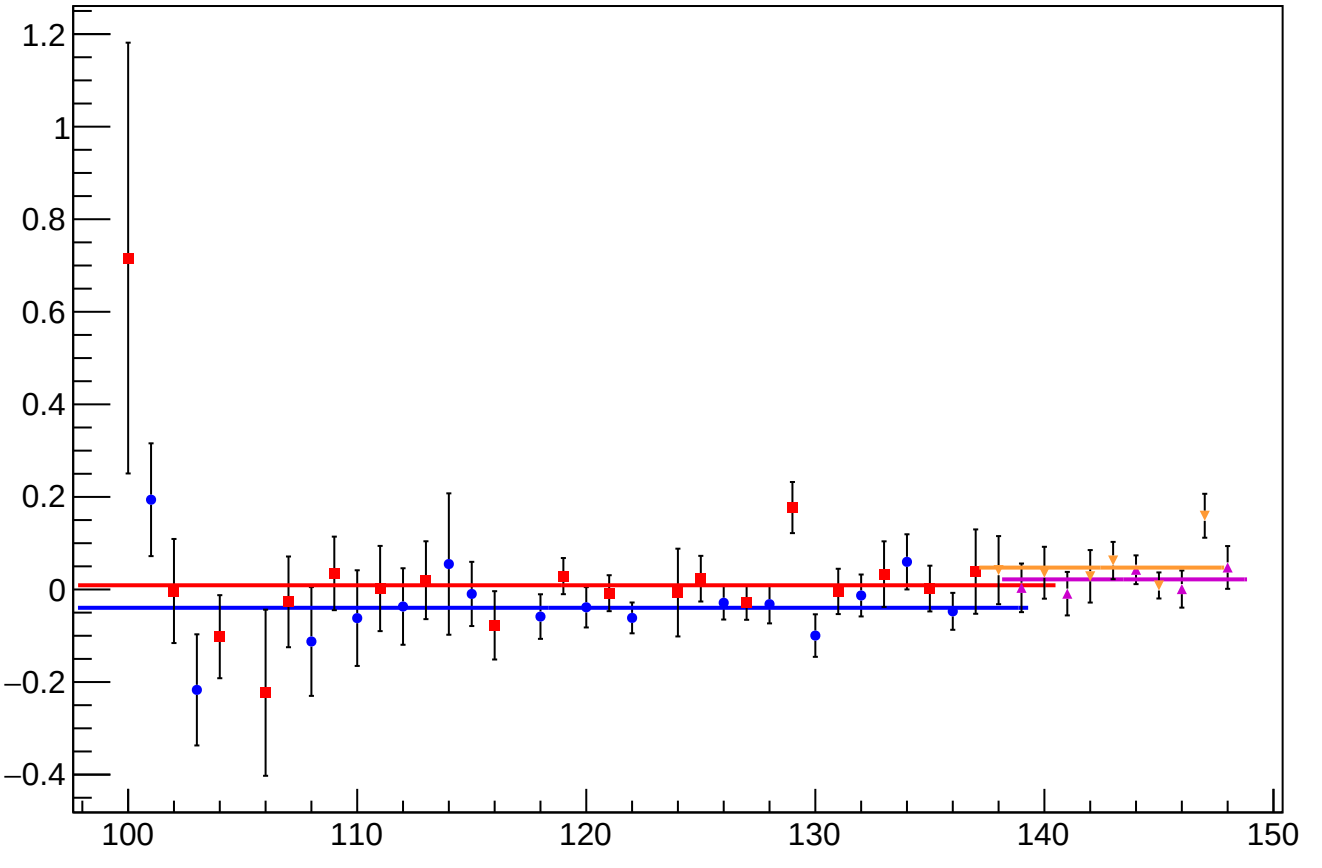
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

+ sign 33.041+/-0.007 χ^2/NDF: 3085226.1/21

All: 34.173+/-0.005 χ^2/NDF: 5313725.7/45

- sign 35.446+/-0.008 χ^2/NDF: 2179991.1/23



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

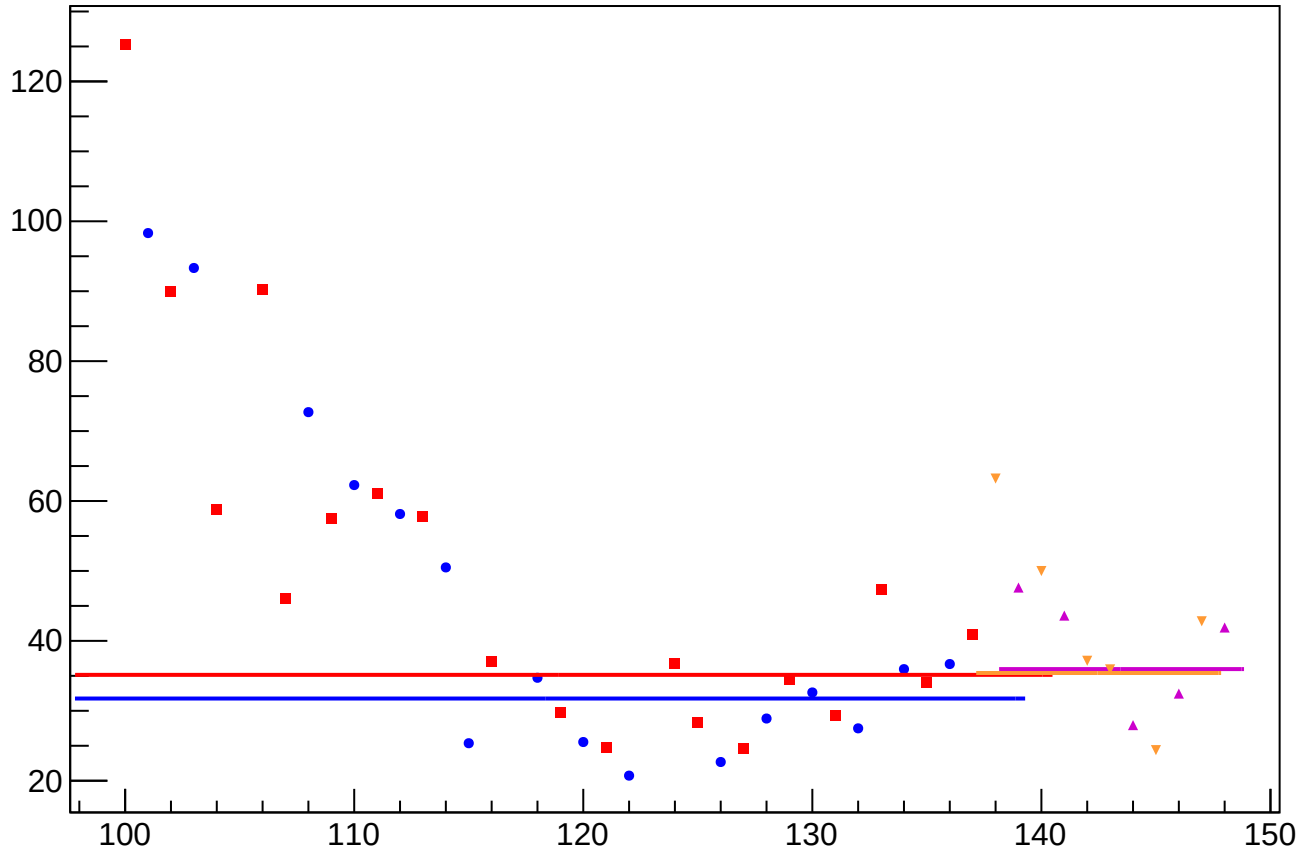
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.009+/-0.011 χ^2/NDF: 35.5/21

All: 0.002+/-0.008 χ^2/NDF: 57.9/45

- sign 0.014+/-0.011 χ^2/NDF: 20.2/23



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

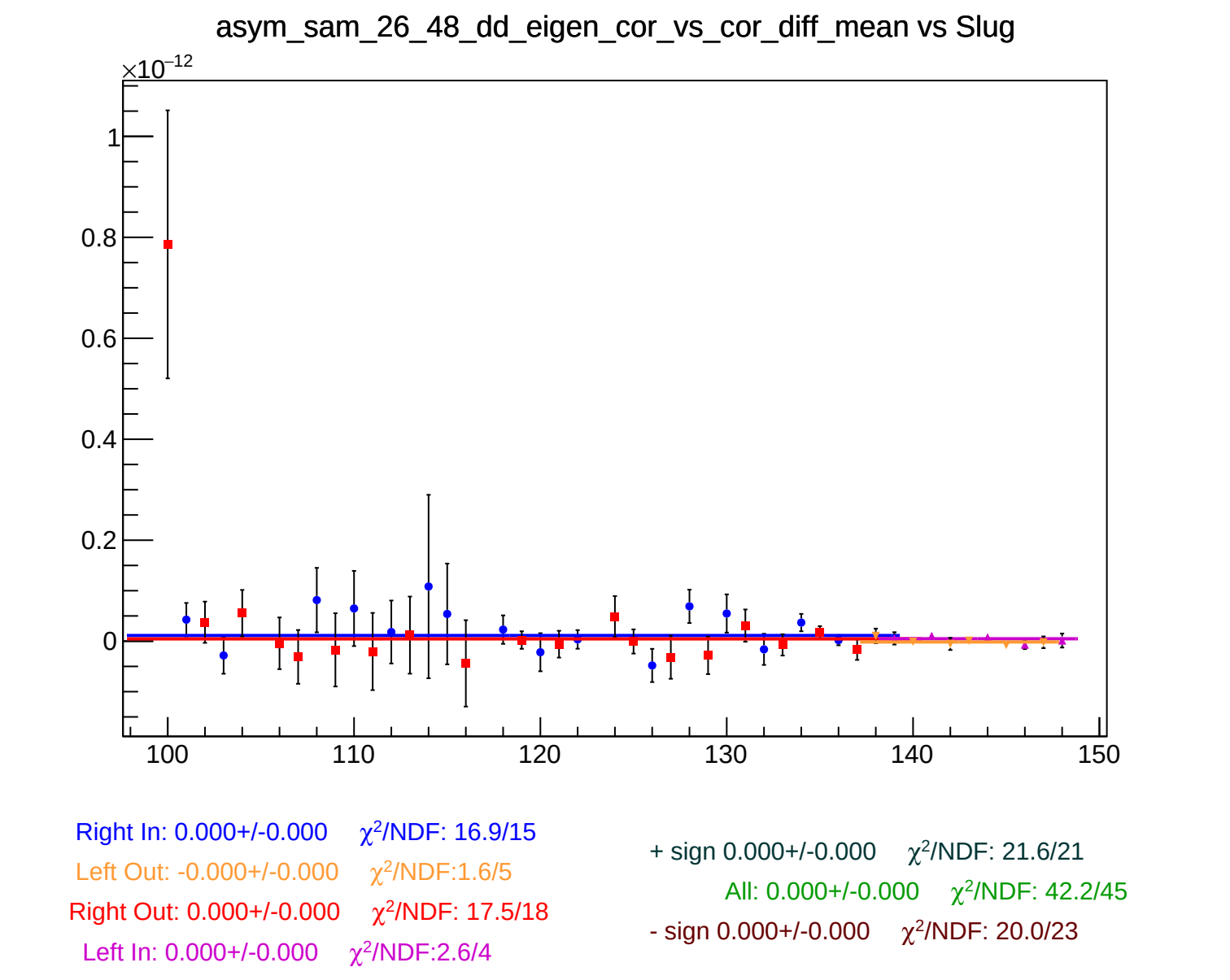
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

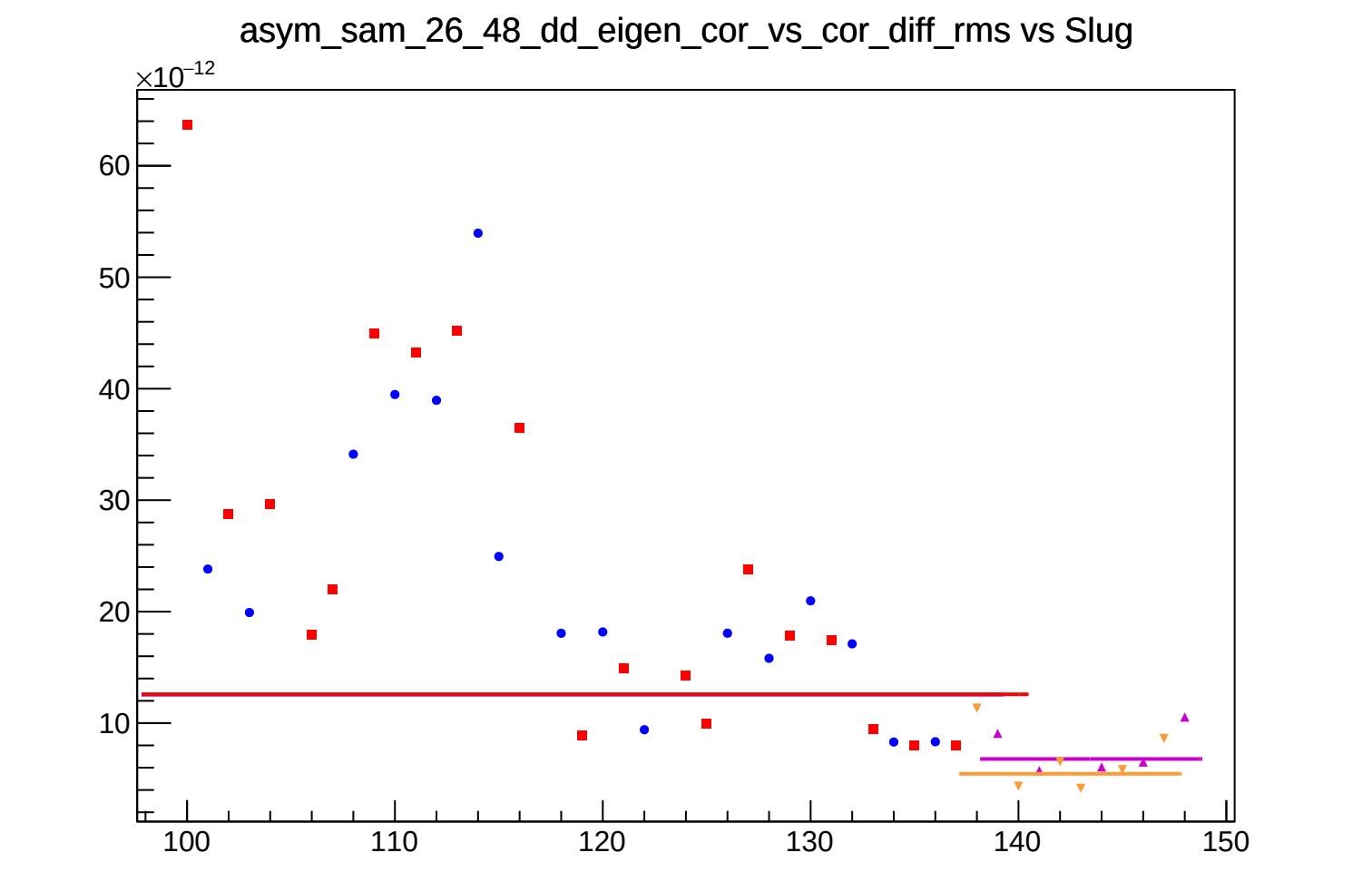
Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

+ sign 33.041+/-0.007 χ^2/NDF: 3085226.1/21

All: 34.173+/-0.005 χ^2/NDF: 5313725.7/45

- sign 35.446+/-0.008 χ^2/NDF: 2179991.1/23


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:1.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.6/4
+ sign 0.000+/-0.000 χ²/NDF: 21.6/21
All: 0.000+/-0.000 χ²/NDF: 42.2/45
- sign 0.000+/-0.000 χ²/NDF: 20.0/23



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

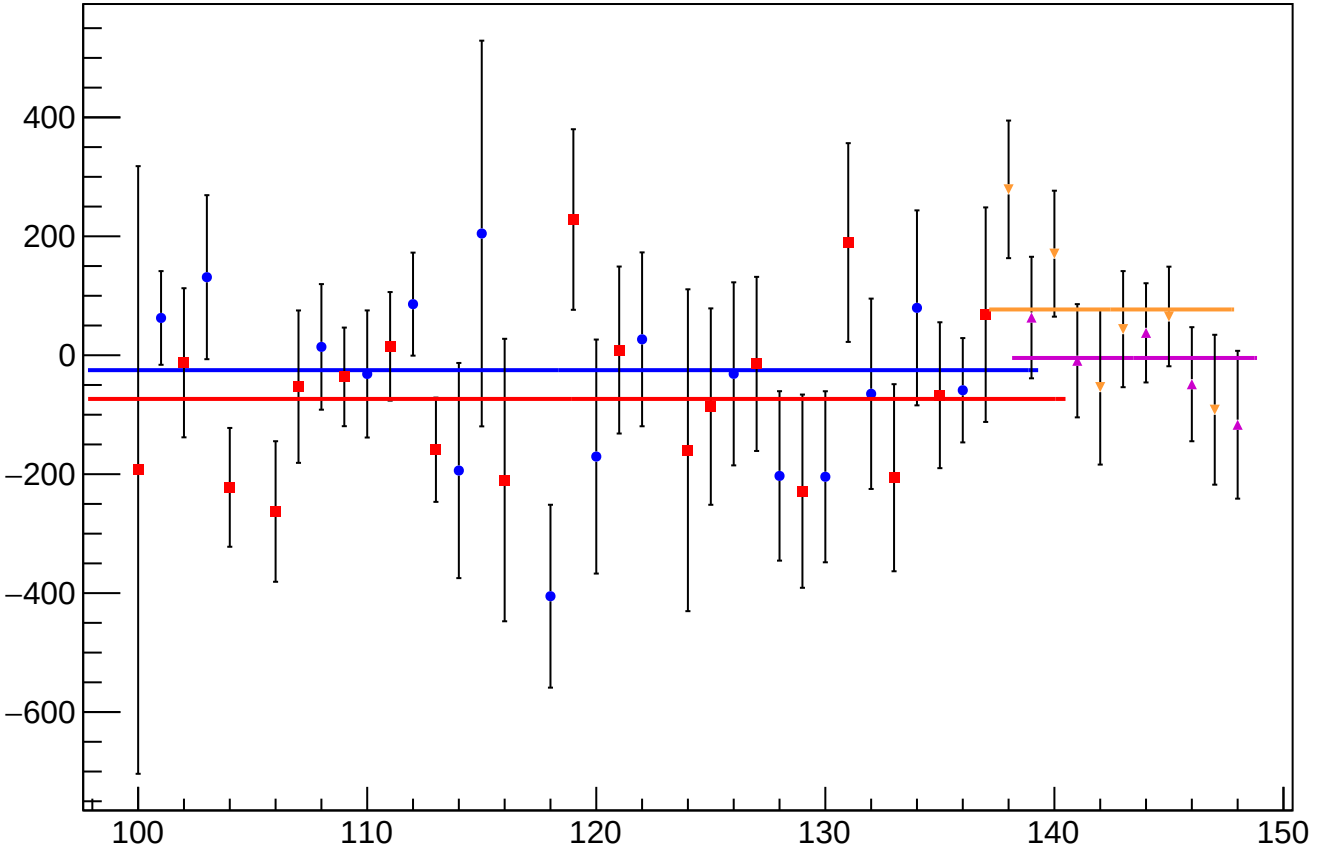
Left In: 0.000+/-0.000 χ^2/NDF:275606.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4746598.8/21

All: 0.000+/-0.000 χ^2/NDF: 9071767.5/45

- sign 0.000+/-0.000 χ^2/NDF: 4130619.7/23

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

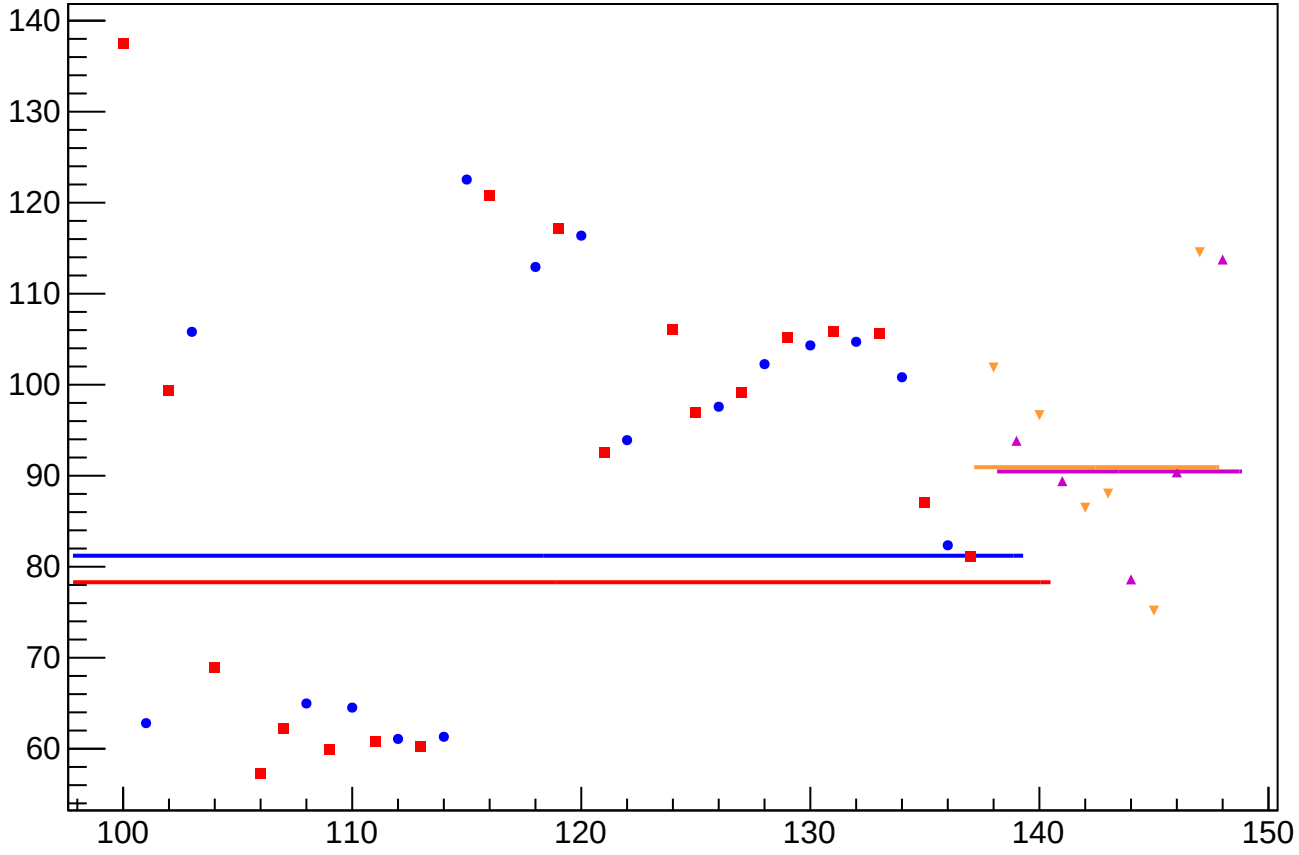
Left In: -4.578+/-43.715 χ^2/NDF:1.7/4

+ sign 9.846+/-25.330 χ^2/NDF: 26.6/21

All: -21.585+/-17.684 χ^2/NDF: 49.8/45

- sign -51.470+/-24.699 χ^2/NDF: 20.2/23

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

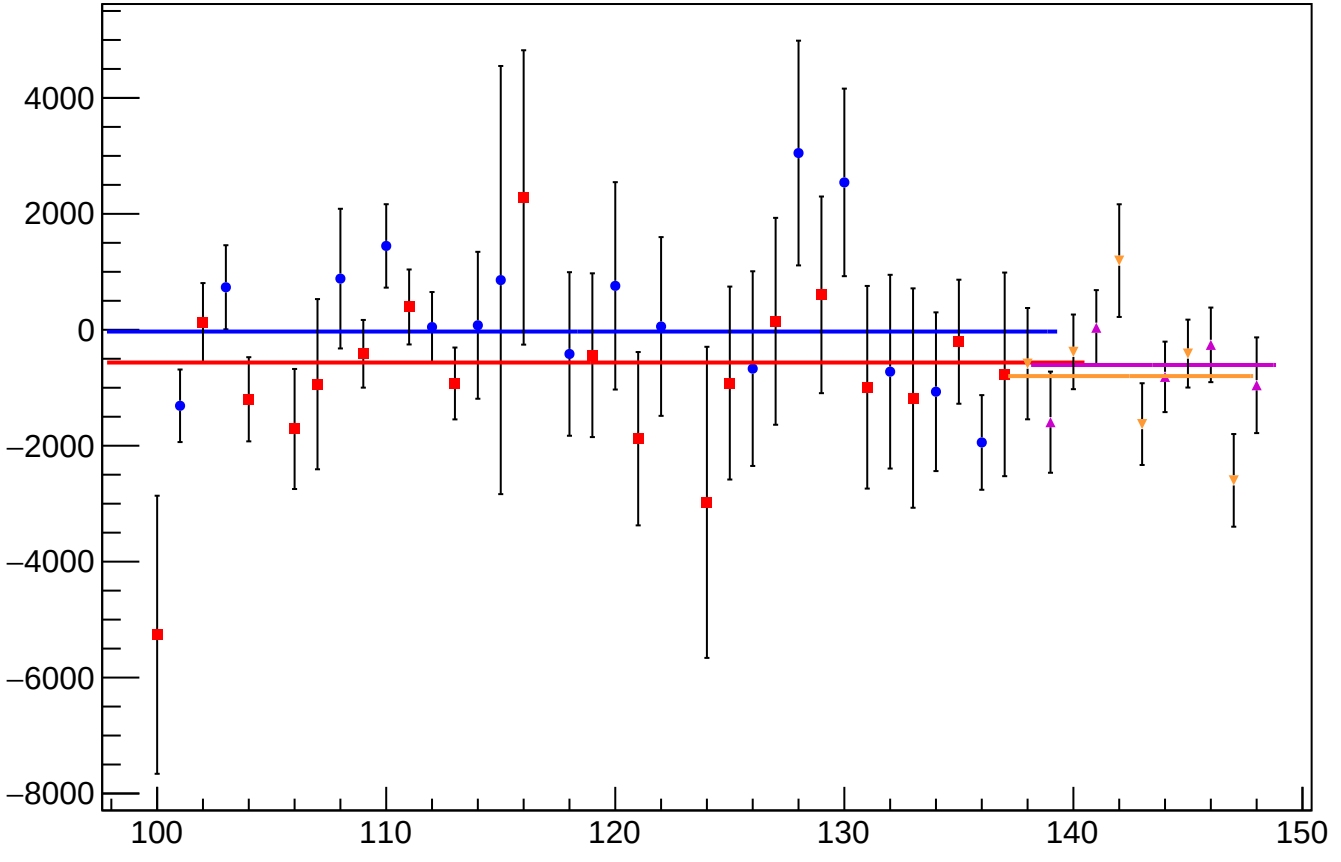
Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 84.538+/-0.018 χ^2/NDF: 1023006.9/21

All: 83.330+/-0.013 χ^2/NDF: 2185114.2/45

- sign 82.183+/-0.017 χ^2/NDF: 1153244.0/23

asym_sam_1548_avg_reg_correction_mean vs Slug



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

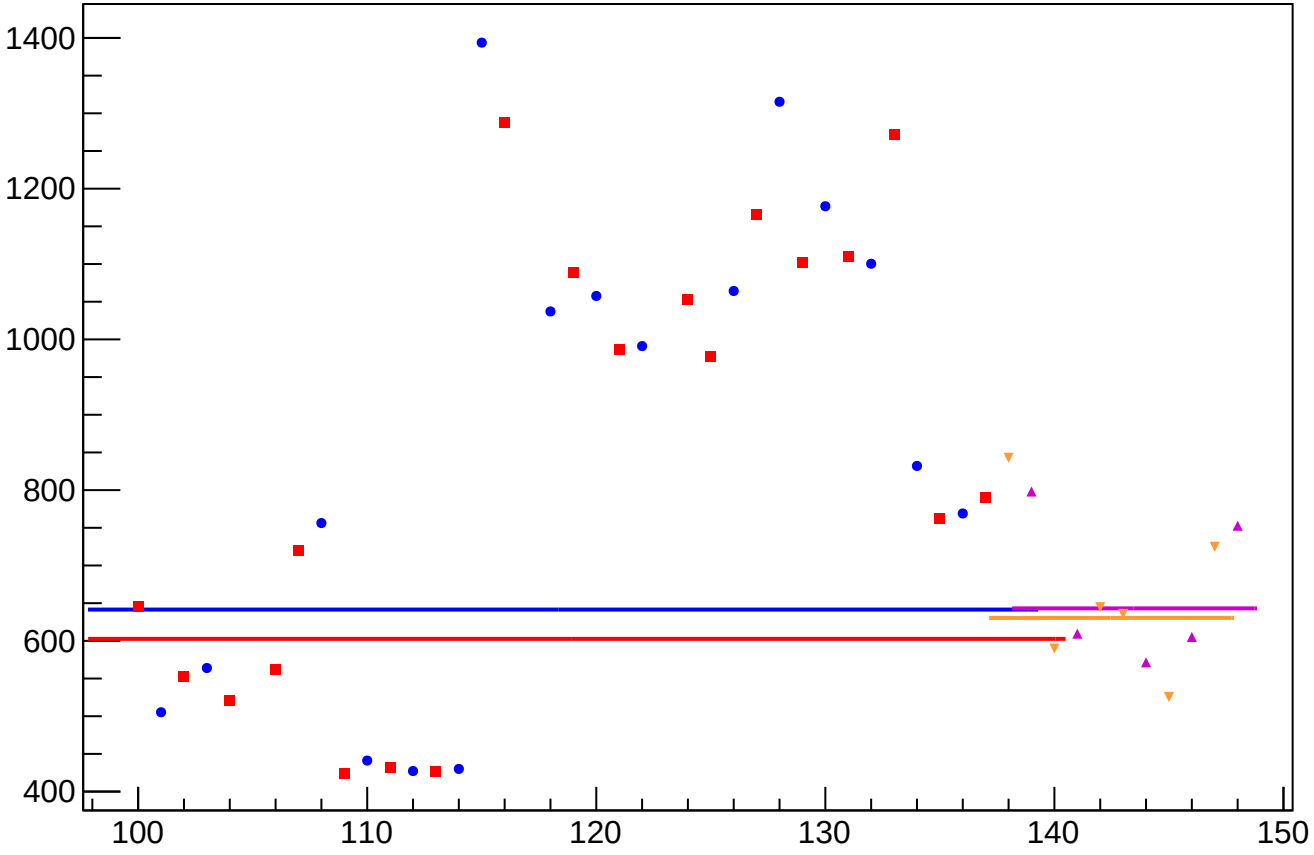
Left In: -607.254+/-311.961 χ^2/NDF:2.8/4

+ sign -354.593+/-195.413 χ^2/NDF: 37.2/21

All: -471.044+/-136.027 χ^2/NDF: 54.0/45

- sign -580.517+/-189.468 χ^2/NDF: 16.1/23

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

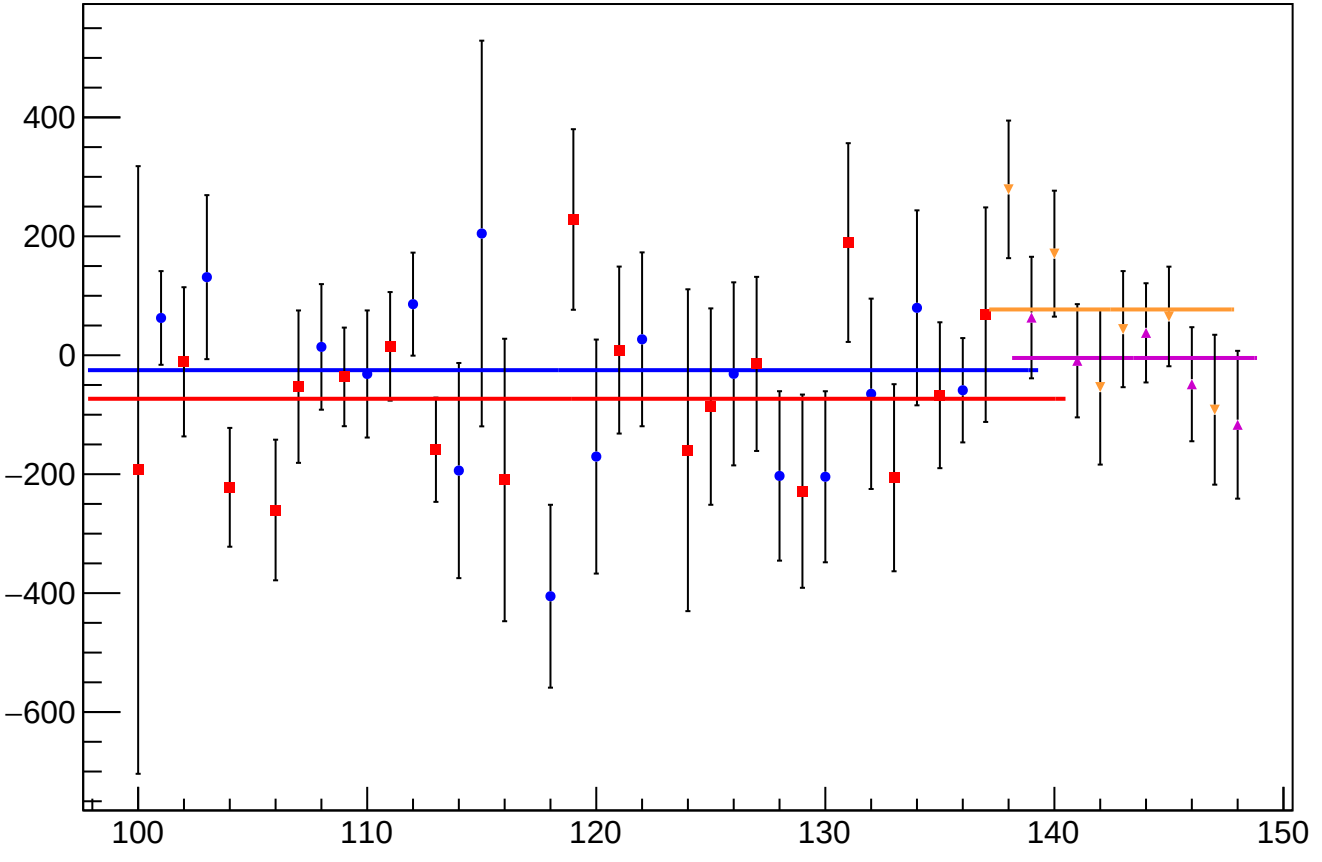
Left In: 643.065+/-0.221 χ^2/NDF:138473.6/4

+ sign 636.821+/-0.138 χ^2/NDF: 2075151.4/21

All: 626.893+/-0.096 χ^2/NDF: 4315129.5/45

- sign 617.560+/-0.134 χ^2/NDF: 2229962.9/23

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

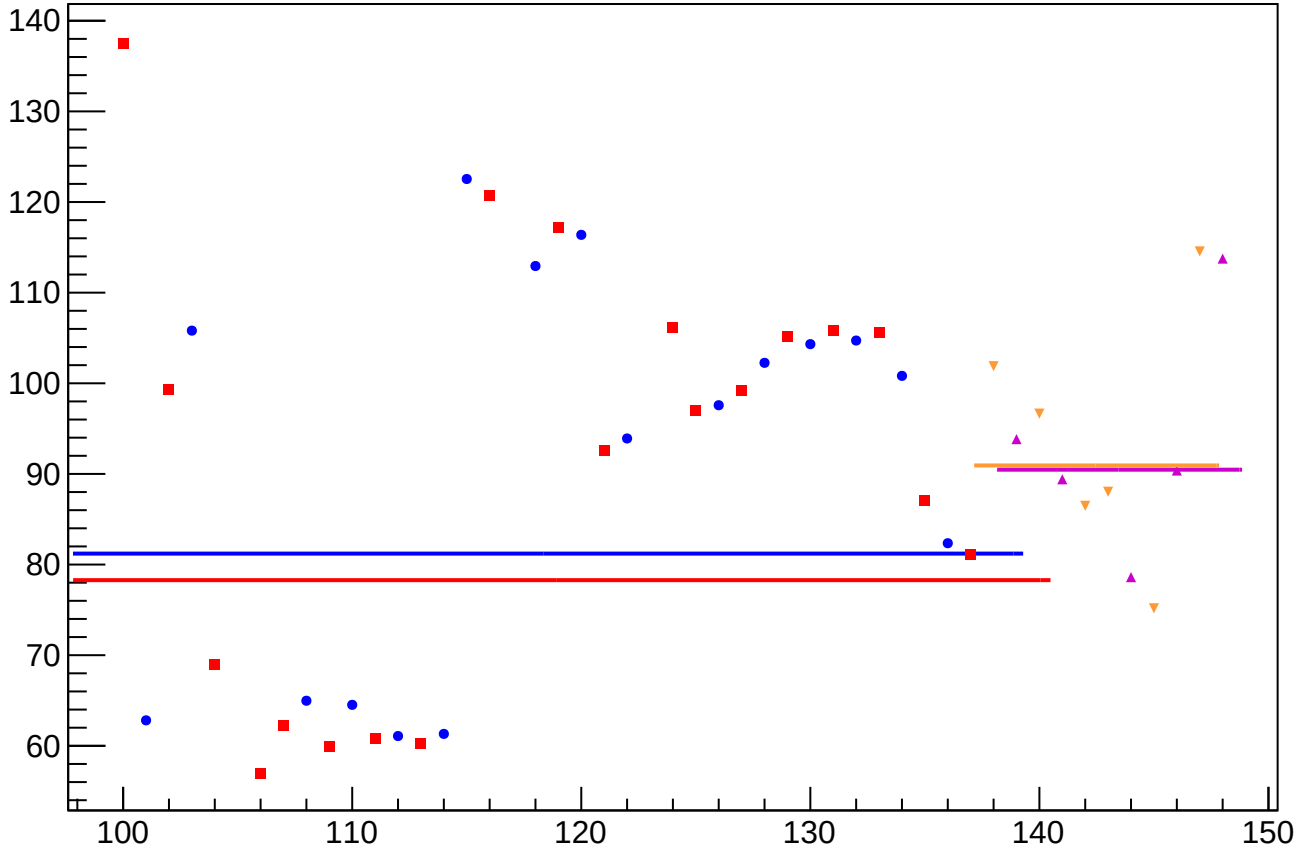
Left In: -4.586+/-43.715 χ^2/NDF:1.7/4

+ sign 9.849+/-25.330 χ^2/NDF: 26.6/21

All: -21.490+/-17.684 χ^2/NDF: 49.7/45

- sign -51.290+/-24.700 χ^2/NDF: 20.1/23

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

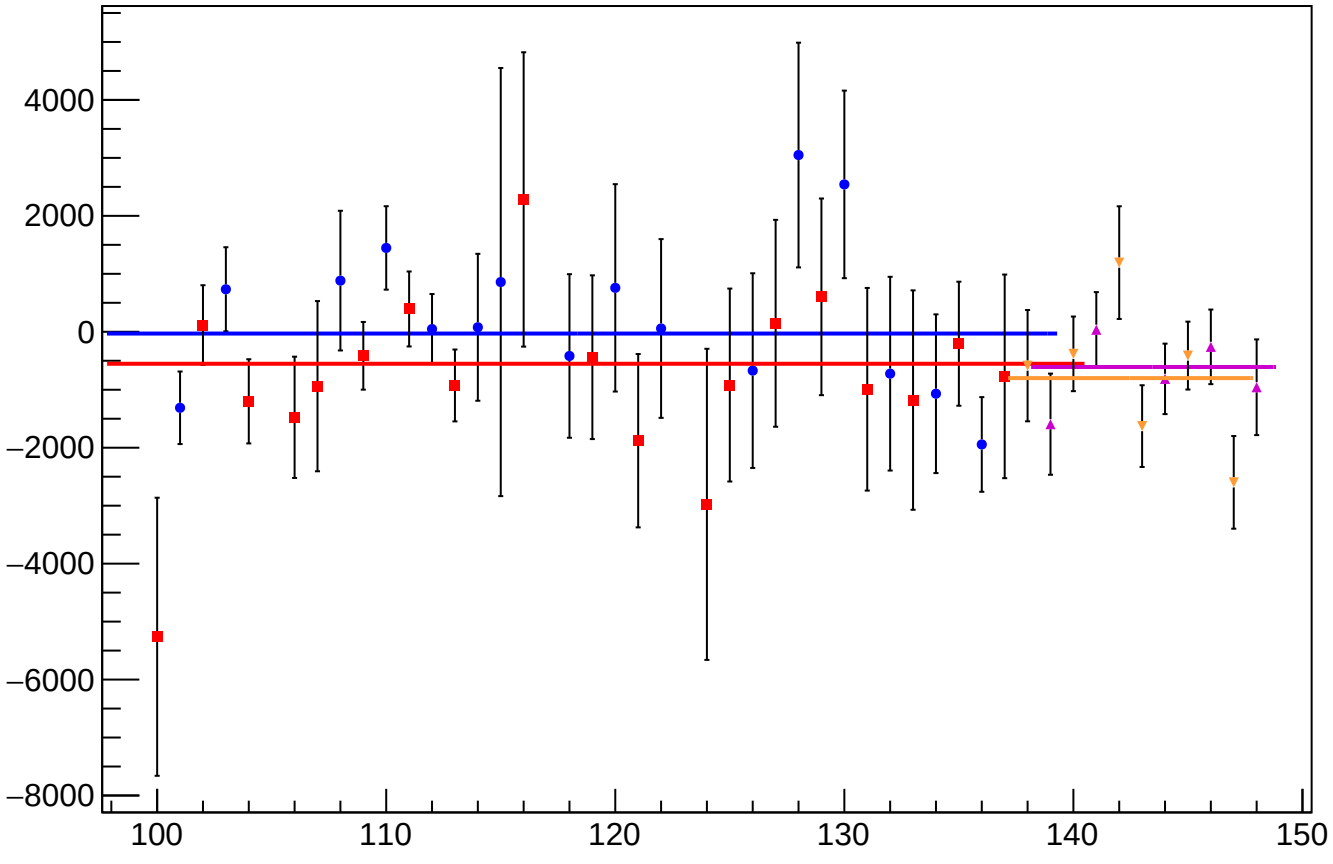
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 84.538+/-0.018 χ^2/NDF: 1023009.1/21

All: 83.324+/-0.013 χ^2/NDF: 2187667.2/45

- sign 82.170+/-0.017 χ^2/NDF: 1155701.8/23



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

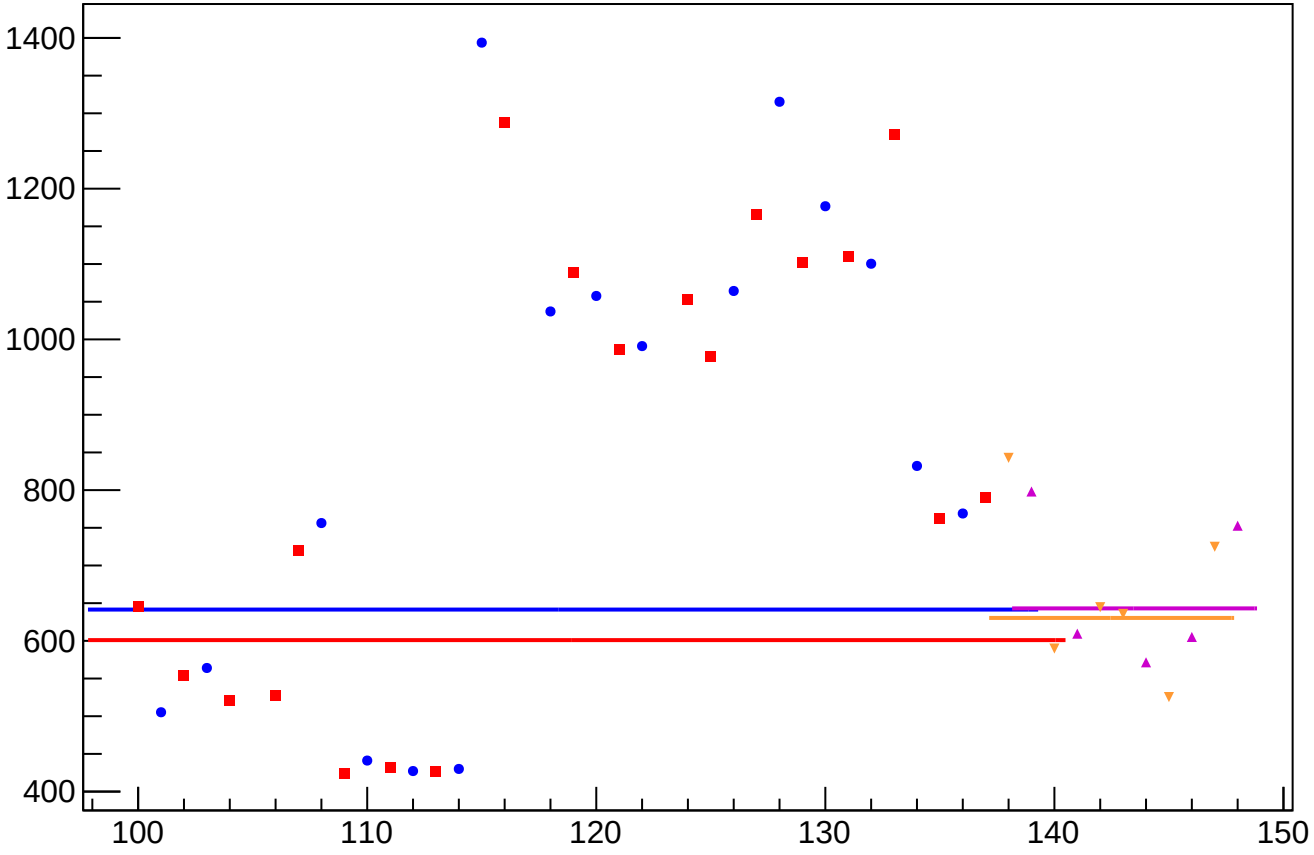
Left In: -607.263+/-311.962 χ^2/NDF:2.8/4

+ sign -354.607+/-195.414 χ^2/NDF: 37.2/21

All: -466.808+/-136.055 χ^2/NDF: 53.5/45

- sign -572.368+/-189.542 χ^2/NDF: 15.7/23

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

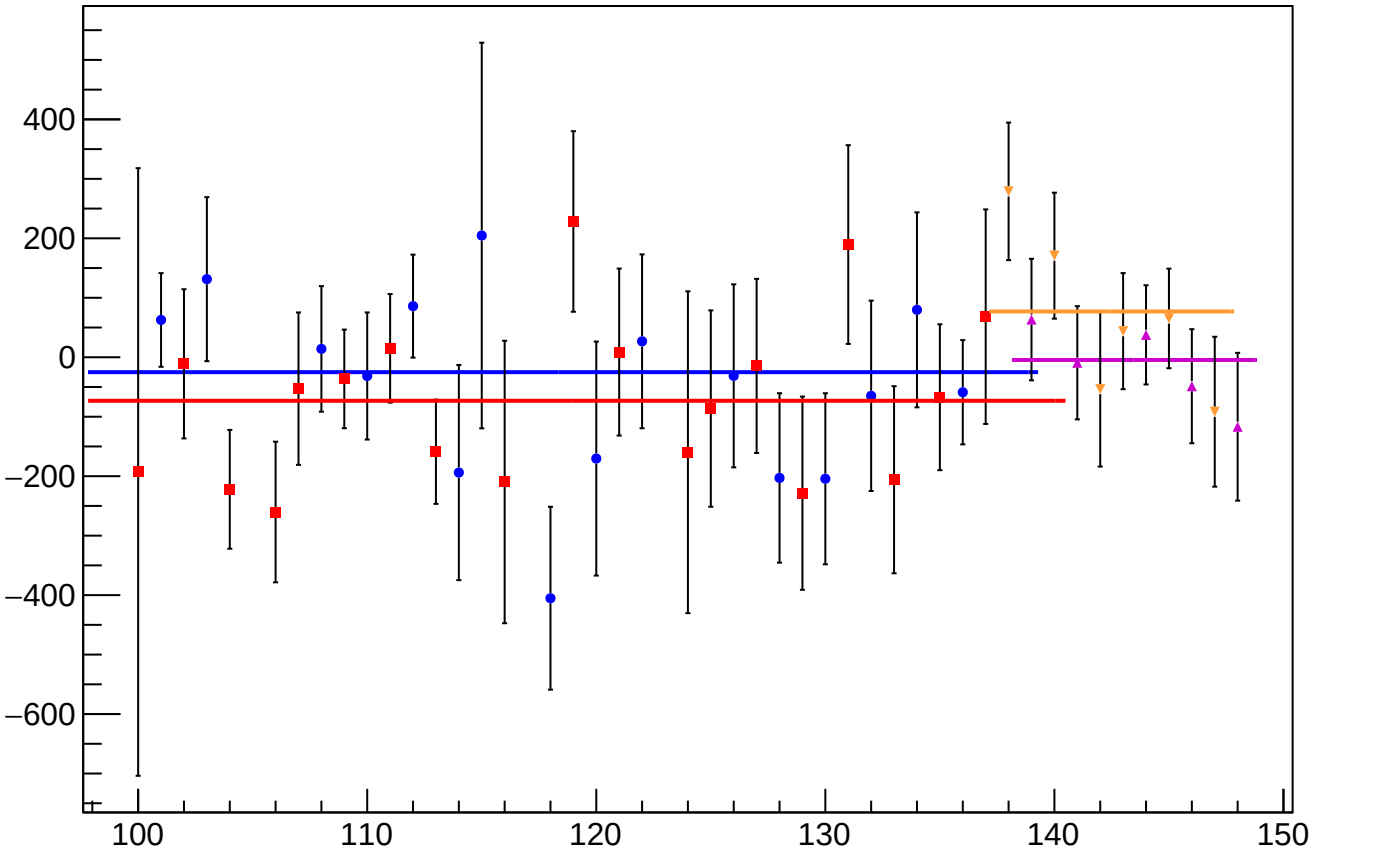
Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

+ sign 636.826+/-0.138 χ^2/NDF: 2075114.6/21

All: 626.360+/-0.096 χ^2/NDF: 4324920.9/45

- sign 616.513+/-0.134 χ^2/NDF: 2238671.8/23



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

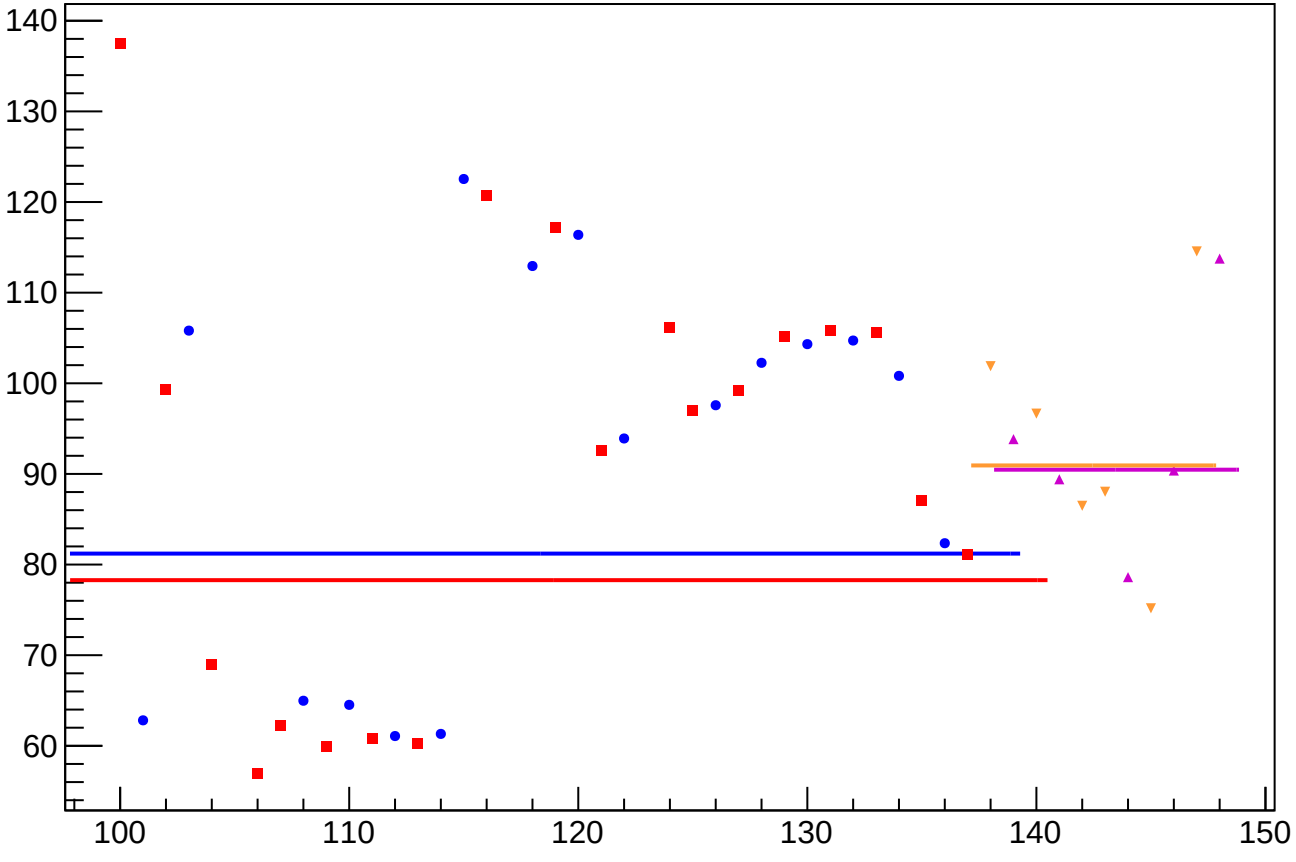
Left In: -4.586+/-43.715 χ^2/NDF:1.7/4

+ sign 9.849+/-25.330 χ^2/NDF: 26.6/21

All: -21.490+/-17.684 χ^2/NDF: 49.7/45

- sign -51.290+/-24.700 χ^2/NDF: 20.1/23

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

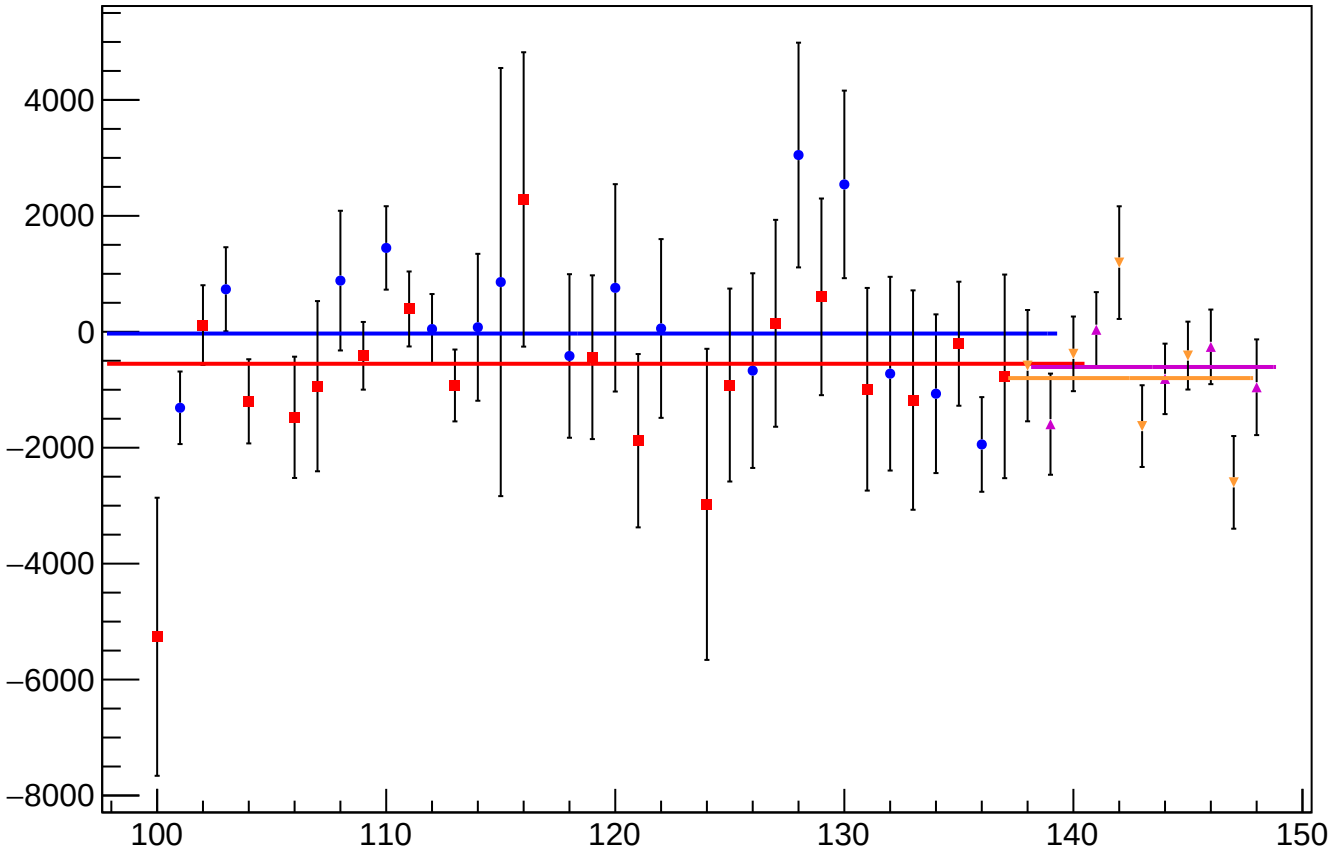
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 84.538+/-0.018 χ^2/NDF: 1023009.1/21

All: 83.324+/-0.013 χ^2/NDF: 2187667.2/45

- sign 82.170+/-0.017 χ^2/NDF: 1155701.8/23



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -798.886+/-300.868 χ^2/NDF:11.6/5

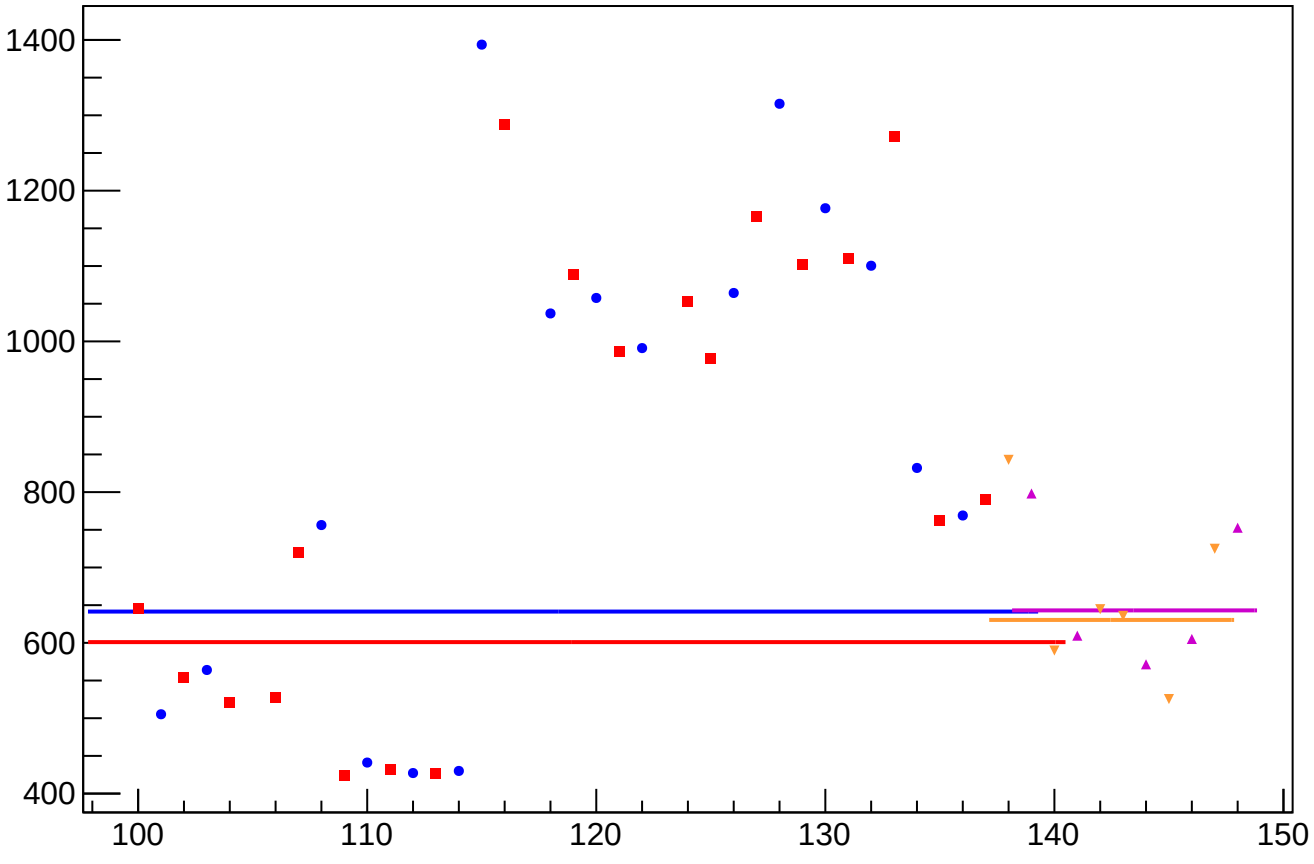
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -607.263+/-311.962 χ^2/NDF:2.8/4

+ sign -354.607+/-195.414 χ^2/NDF: 37.2/21

All: -466.808+/-136.055 χ^2/NDF: 53.5/45

- sign -572.368+/-189.542 χ^2/NDF: 15.7/23



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

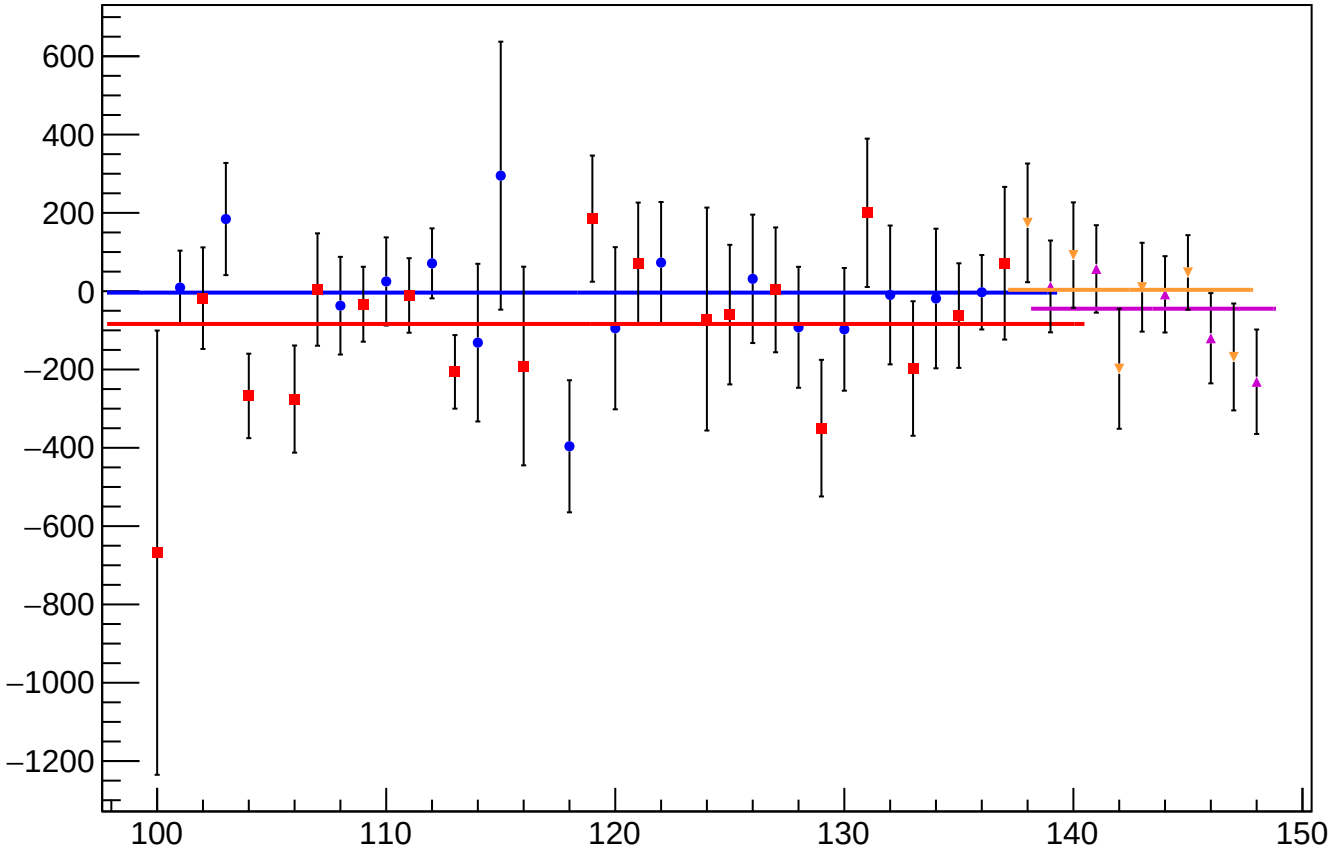
Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

+ sign 636.826+/-0.138 χ^2/NDF: 2075114.6/21

All: 626.360+/-0.096 χ^2/NDF: 4324920.9/45

- sign 616.513+/-0.134 χ^2/NDF: 2238671.8/23

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

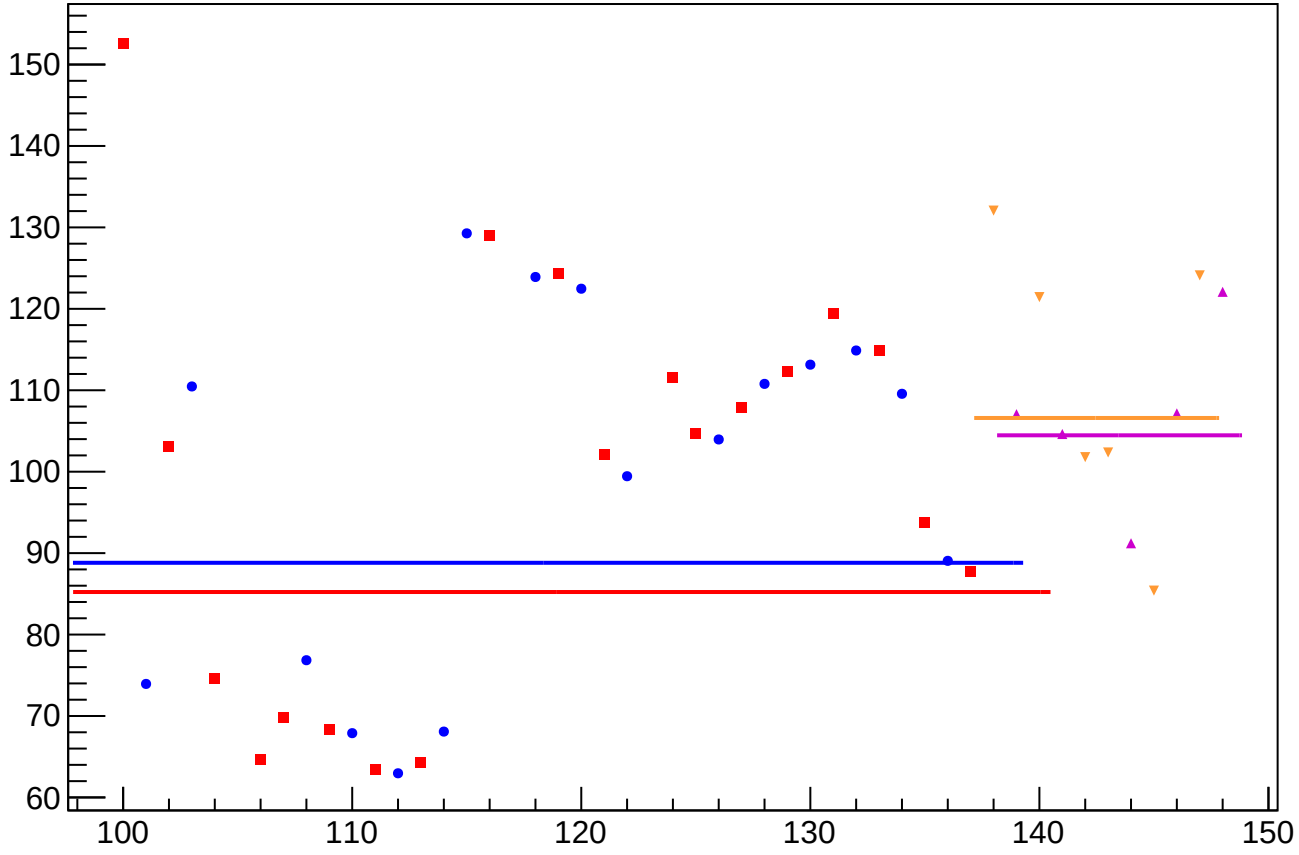
Left In: -44.763+/-50.665 χ^2/NDF:3.6/4

+ sign -1.446+/-28.396 χ^2/NDF: 15.6/21

All: -38.076+/-19.730 χ^2/NDF: 41.9/45

- sign -72.267+/-27.434 χ^2/NDF: 23.1/23

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

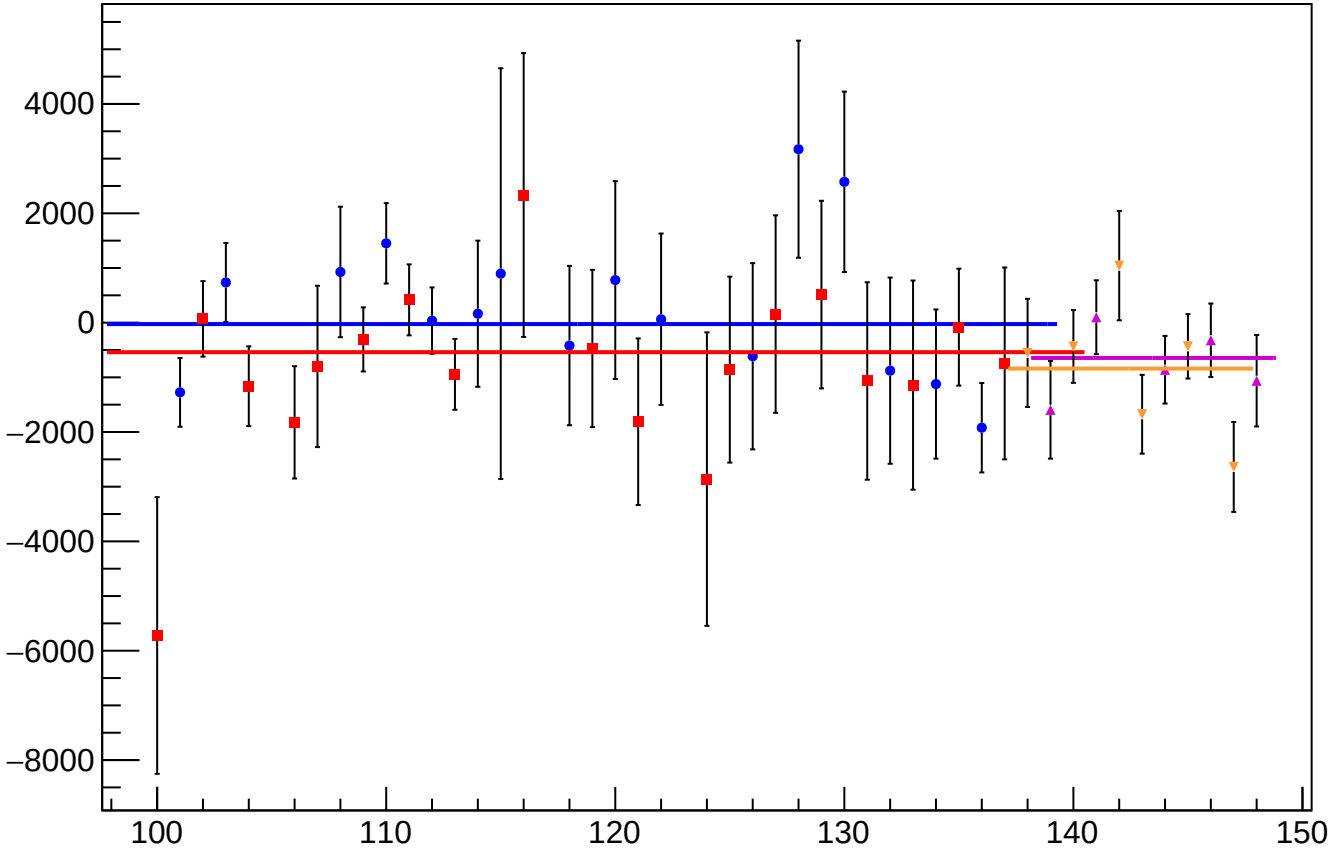
Left In: 104.468+/-0.036 χ^2/NDF:73957.8/4

+ sign 94.303+/-0.020 χ^2/NDF: 1109511.2/21

All: 92.526+/-0.014 χ^2/NDF: 2286612.5/45

- sign 90.867+/-0.019 χ^2/NDF: 1161957.5/23

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

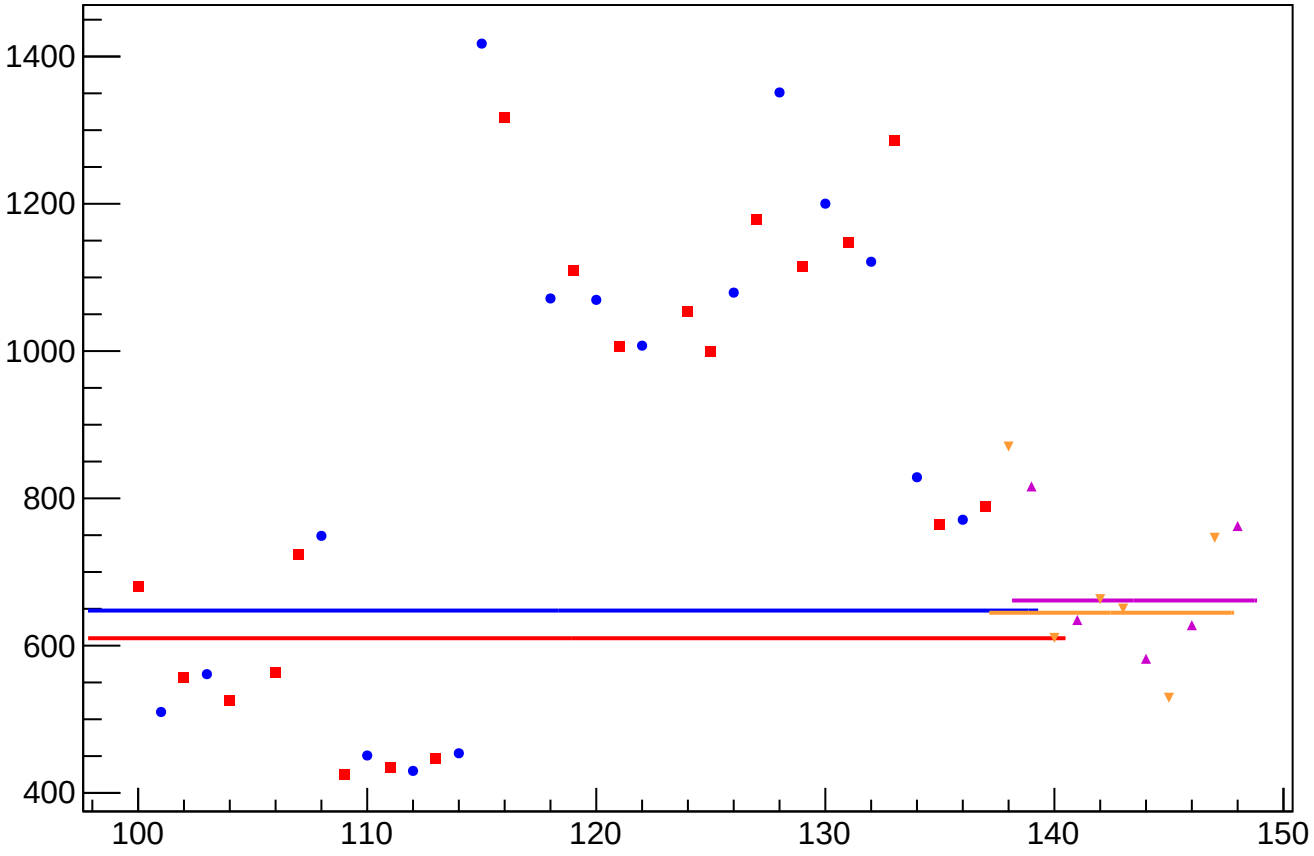
Left In: -645.373+/-320.909 χ^2/NDF:3.0/4

+ sign -364.092+/-198.309 χ^2/NDF: 36.2/21

All: -473.946+/-138.248 χ^2/NDF: 53.5/45

- sign -577.814+/-192.830 χ^2/NDF: 16.7/23

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

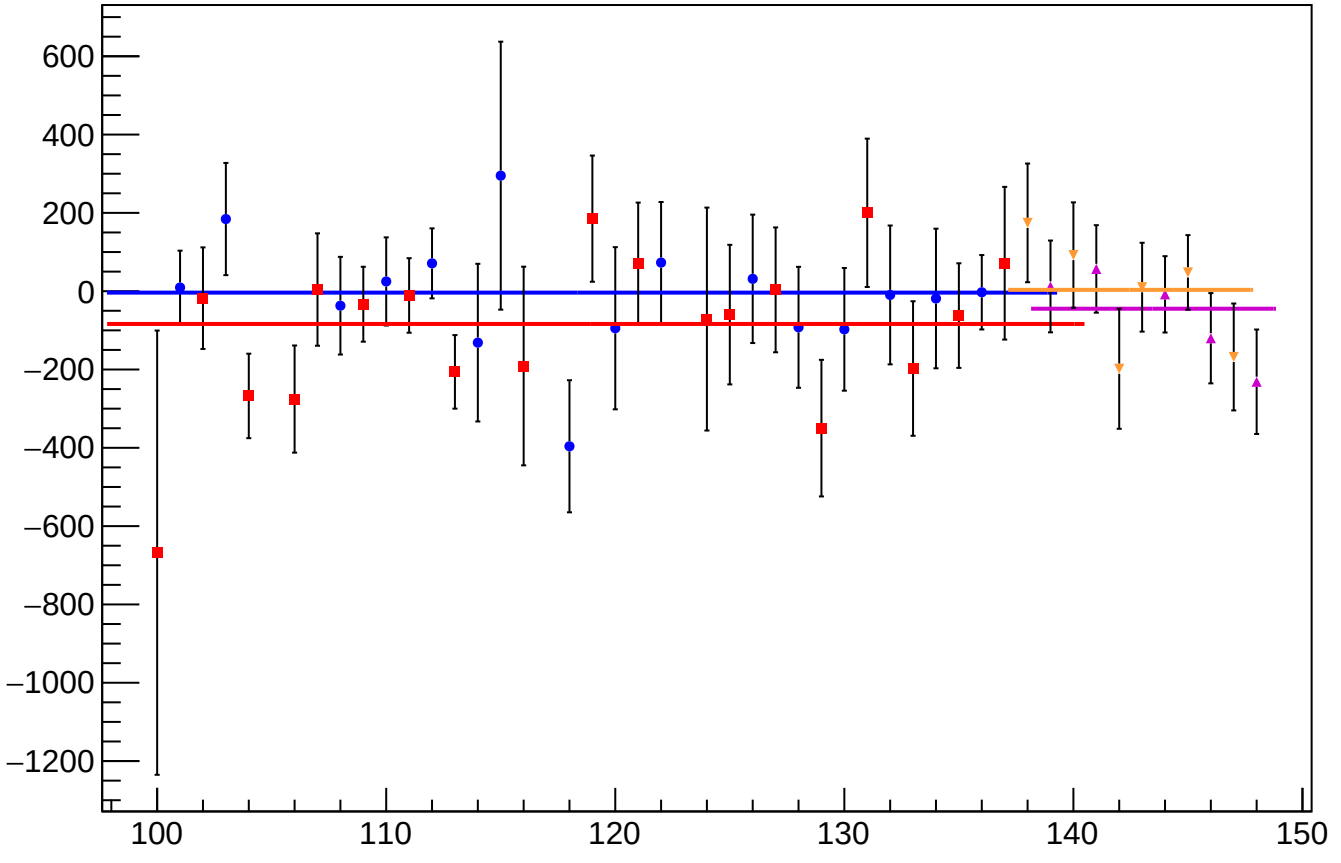
Left In: 661.300+/-0.227 χ^2/NDF:130307.7/4

\+ sign 646.412+/-0.140 χ^2/NDF: 2105647.6/21

All: 637.237+/-0.098 χ^2/NDF: 4351111.4/45

\- sign 628.561+/-0.136 χ^2/NDF: 2237133.9/23

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

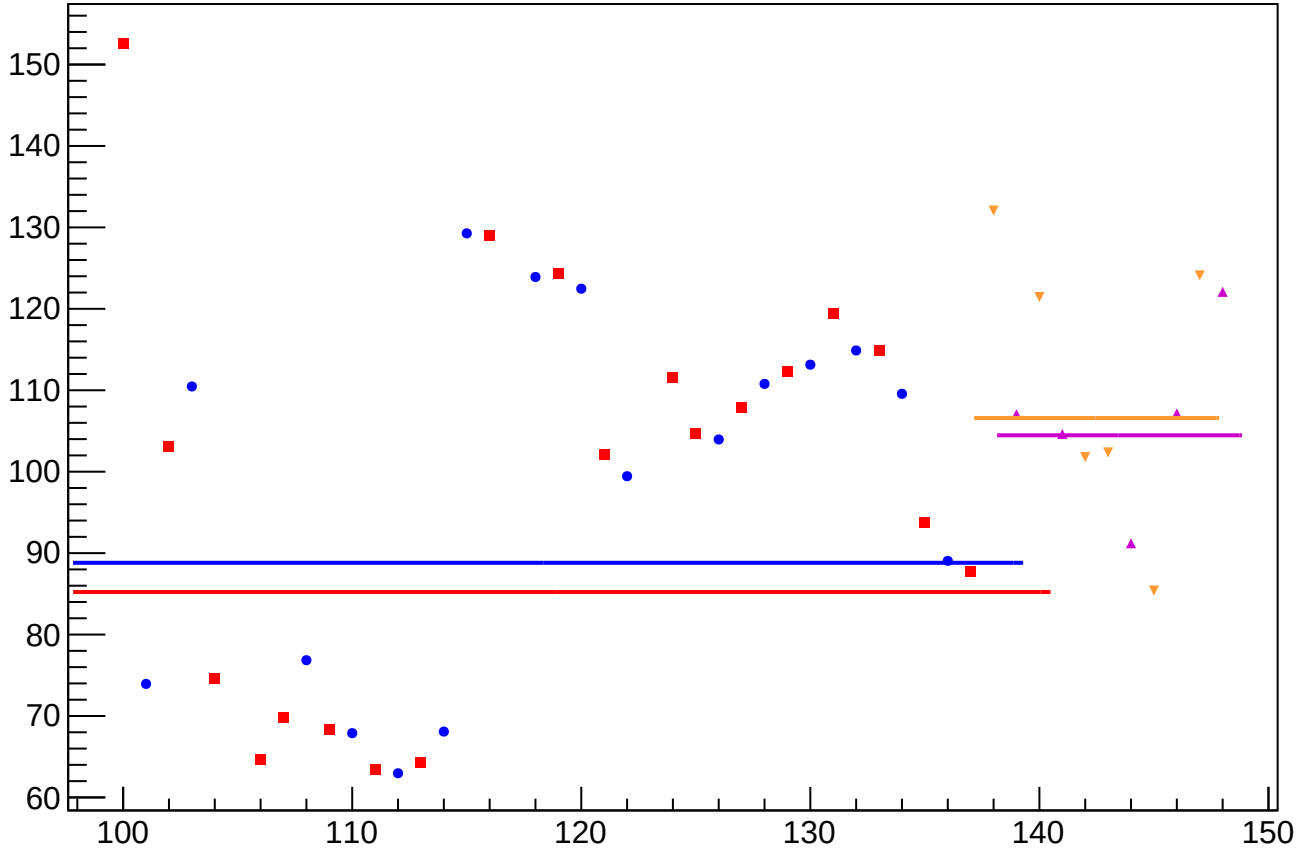
Left In: -44.764+/-50.665 χ^2/NDF:3.6/4

+ sign -1.445+/-28.396 χ^2/NDF: 15.6/21

All: -38.076+/-19.730 χ^2/NDF: 41.9/45

- sign -72.267+/-27.434 χ^2/NDF: 23.1/23

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

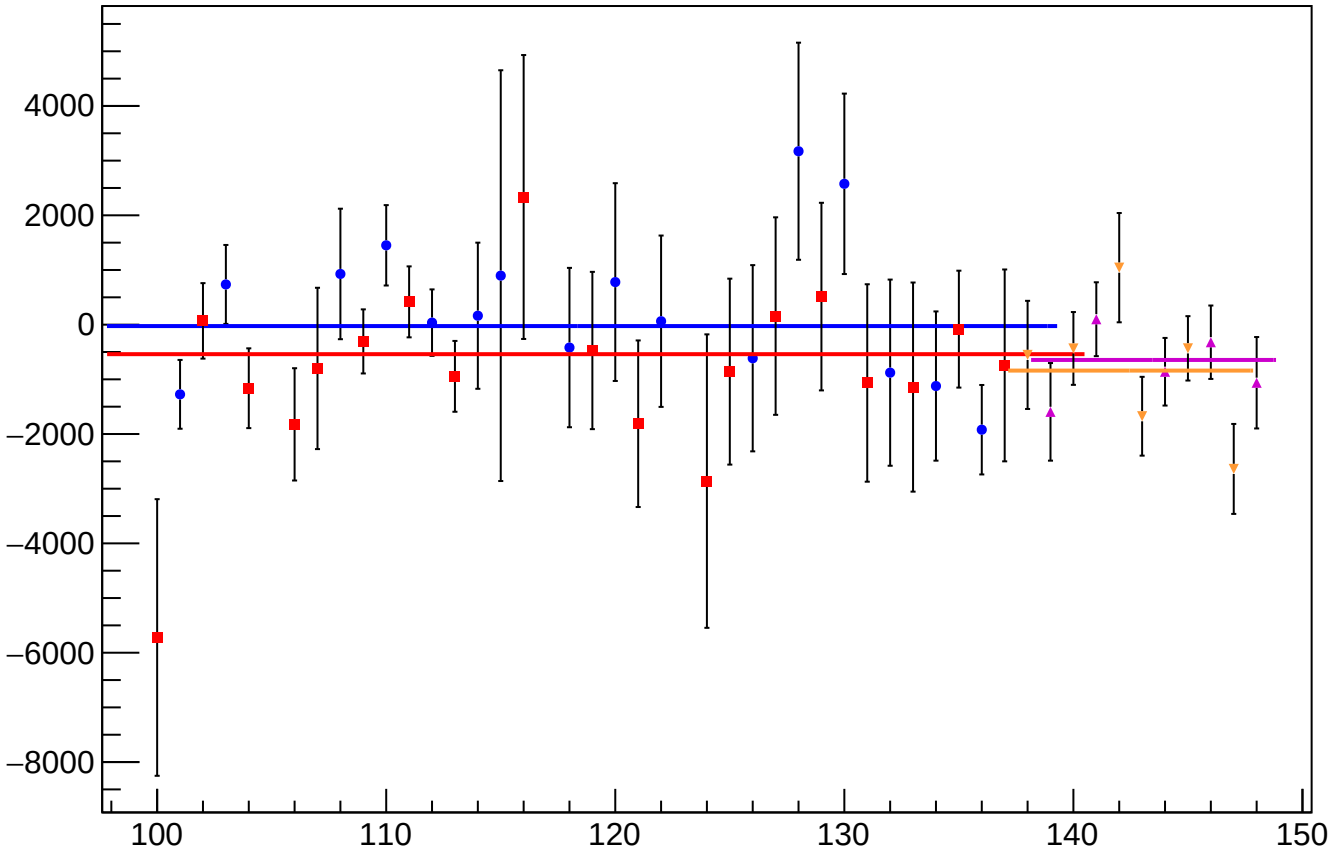
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.469+/-0.036 χ^2/NDF:73957.6/4

+ sign 94.303+/-0.020 χ^2/NDF: 1109514.5/21

All: 92.526+/-0.014 χ^2/NDF: 2286624.1/45

- sign 90.867+/-0.019 χ^2/NDF: 1161965.8/23



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.903+/-307.627 χ^2/NDF:10.6/5

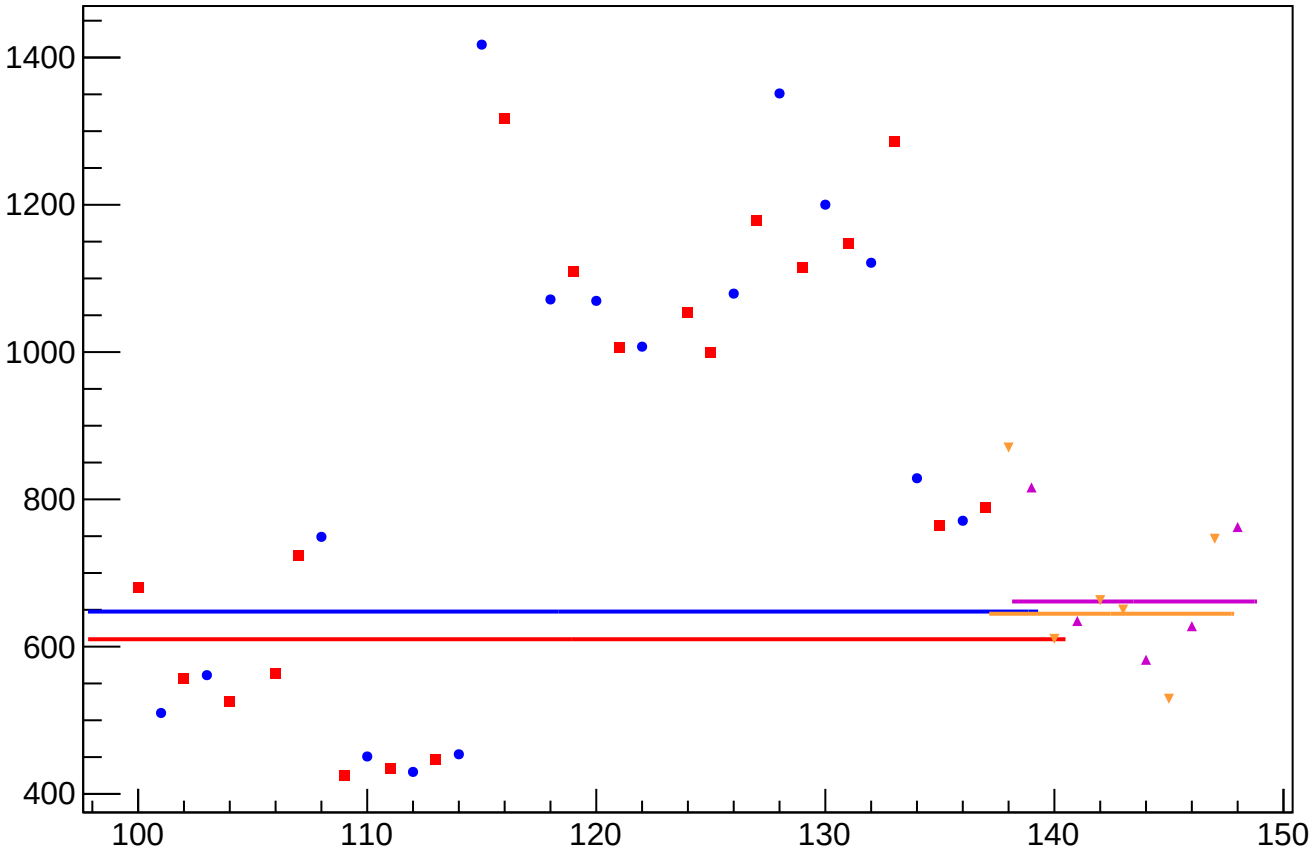
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -645.374+/-320.909 χ^2/NDF:3.0/4

+ sign -364.092+/-198.309 χ^2/NDF: 36.2/21

All: -473.945+/-138.248 χ^2/NDF: 53.5/45

- sign -577.813+/-192.830 χ^2/NDF: 16.7/23



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

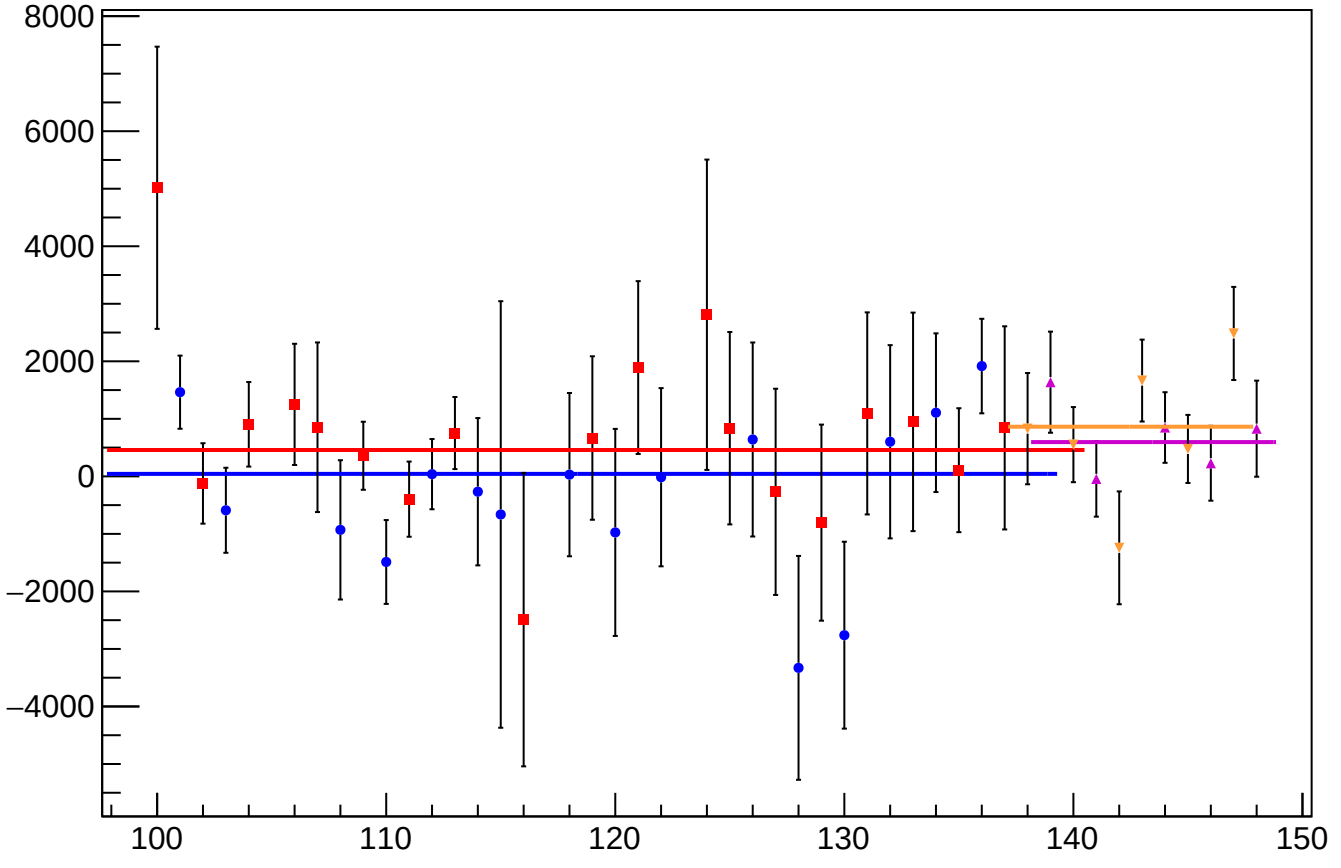
Left In: 661.300+/-0.227 χ^2/NDF:130308.2/4

\+ sign 646.412+/-0.140 χ^2/NDF: 2105654.3/21

All: 637.236+/-0.098 χ^2/NDF: 4351122.3/45

\- sign 628.561+/-0.136 χ^2/NDF: 2237138.2/23

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

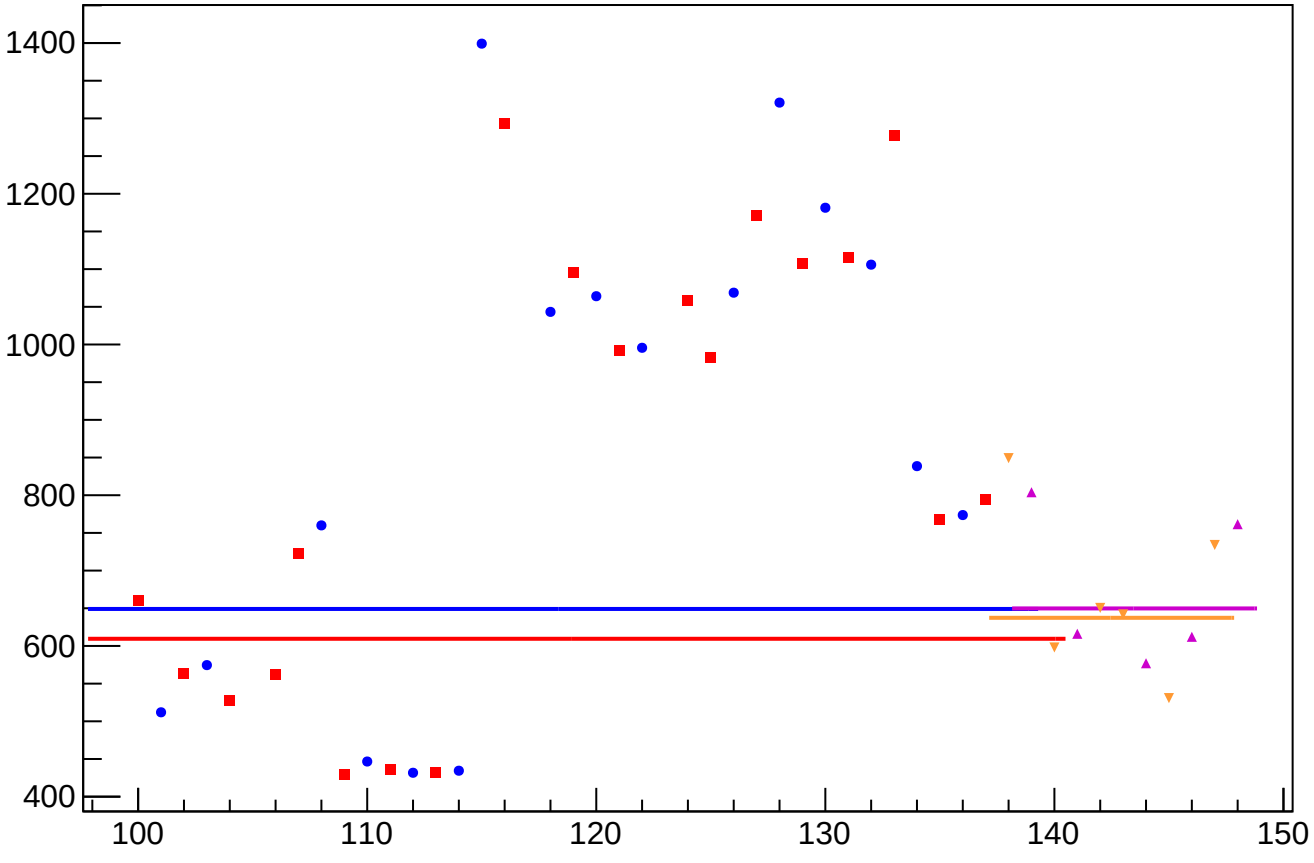
Left In: 595.742+/-315.164 χ^2/NDF:2.9/4

\+ sign 388.975+/-197.537 χ^2/NDF: 38.0/21

All: 450.811+/-137.496 χ^2/NDF: 52.5/45

\- sign 508.925+/-191.501 χ^2/NDF: 14.3/23

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

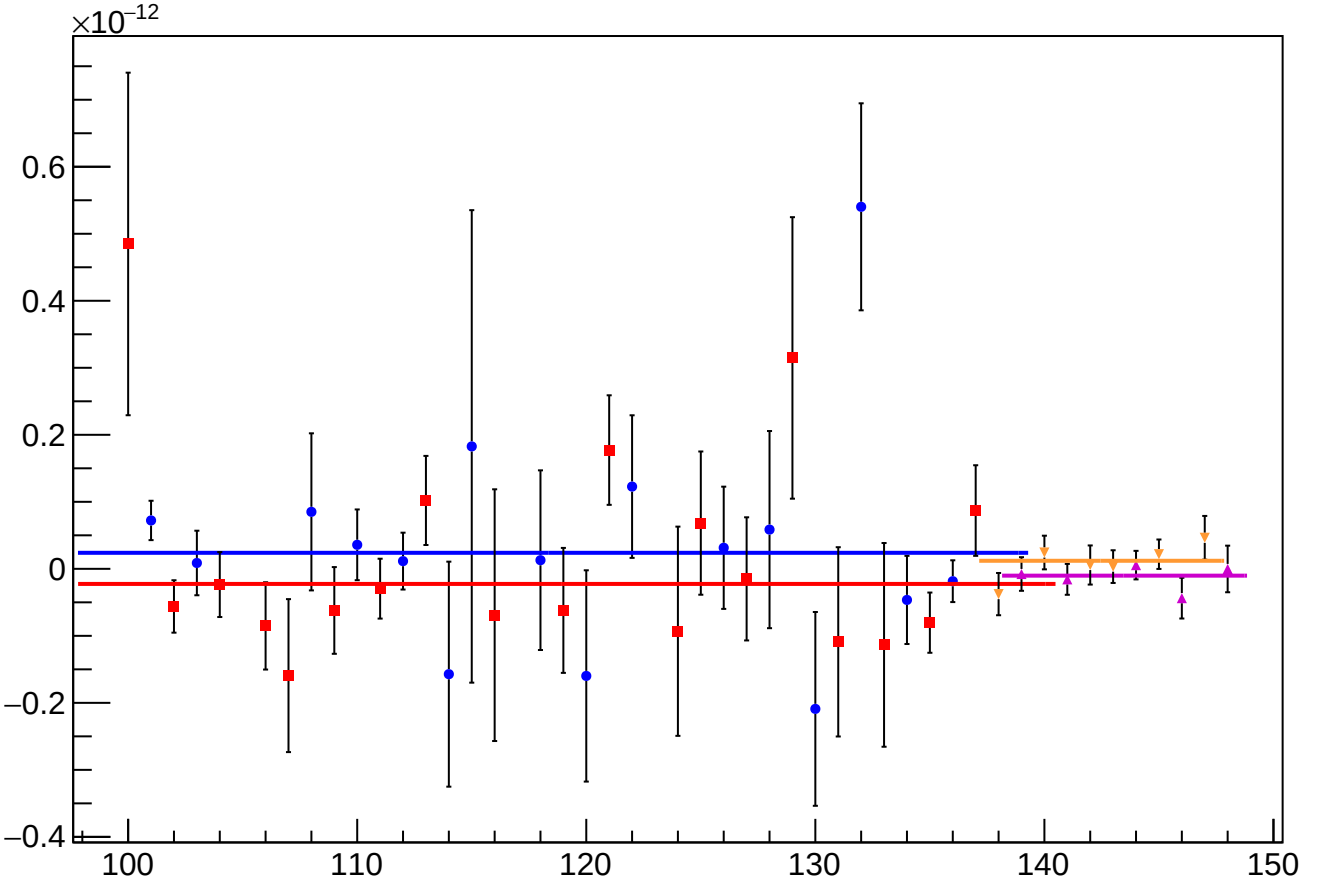
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 649.772+/-0.223 χ^2/NDF:137423.7/4

+ sign 644.131+/-0.140 χ^2/NDF: 2044573.0/21

All: 633.949+/-0.097 χ^2/NDF: 4256478.4/45

- sign 624.379+/-0.135 χ^2/NDF: 2201596.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

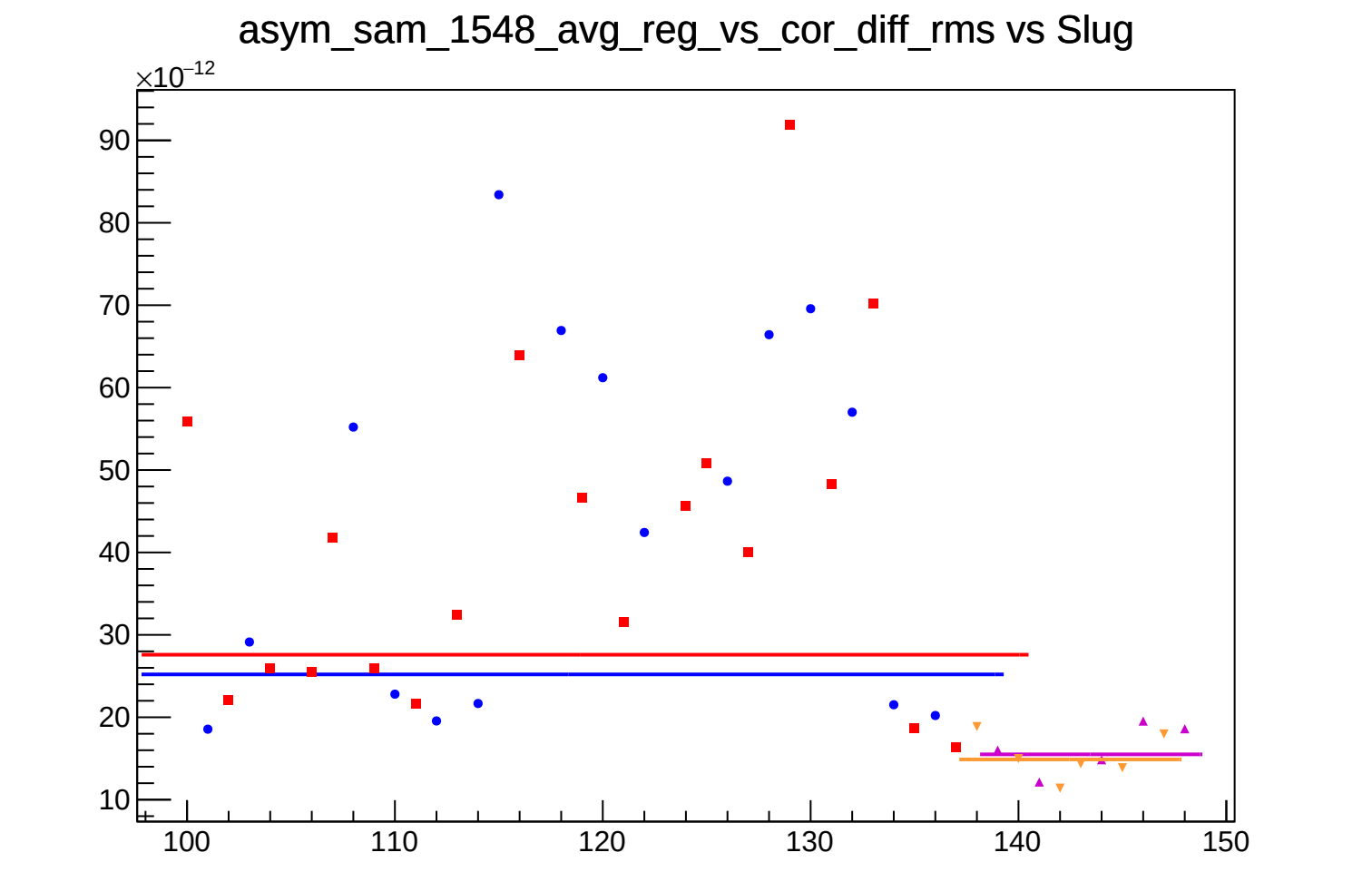
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/21

All: 0.000+/-0.000 χ^2/NDF: 61.7/45

- sign -0.000+/-0.000 χ^2/NDF: 28.0/23


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
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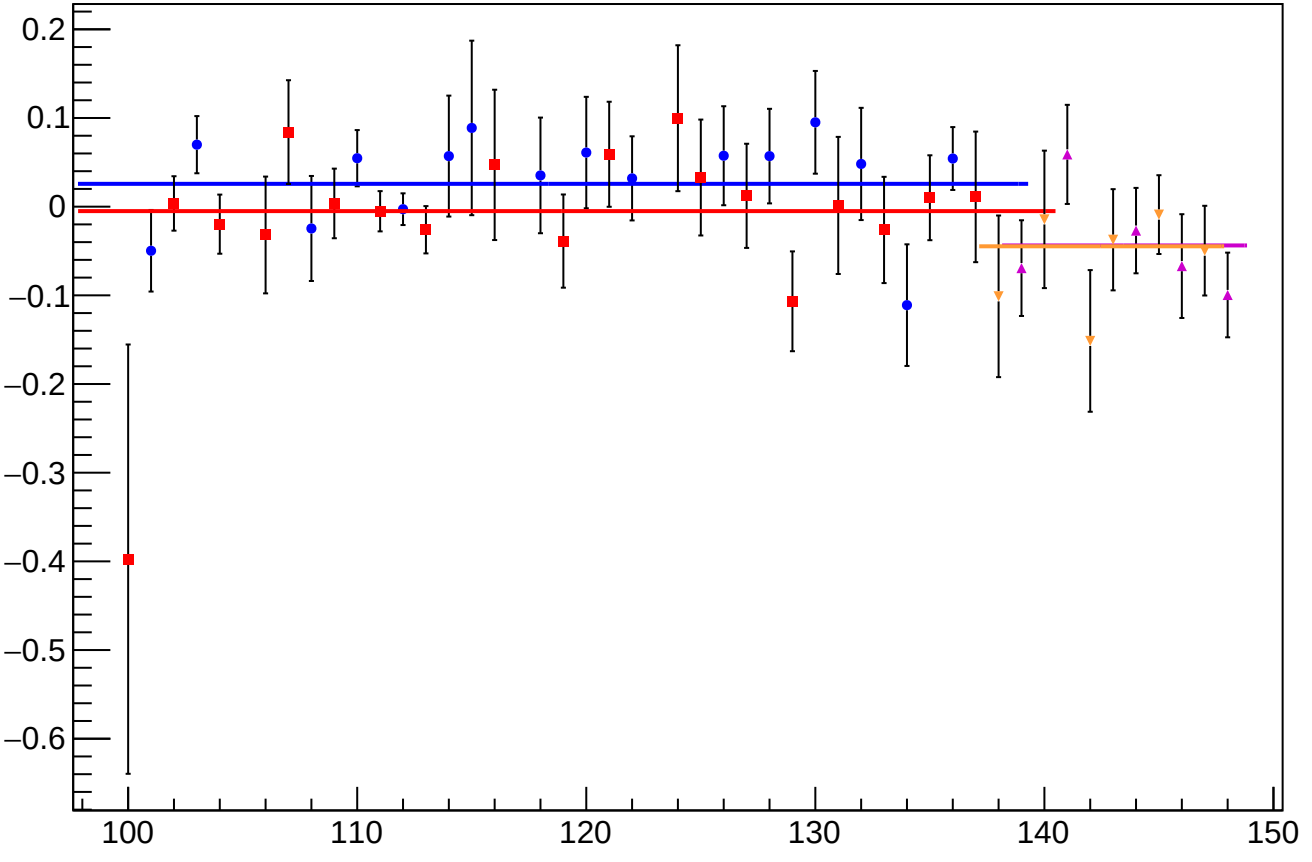
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:83600.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:96464.9/4
+ sign 0.000+/-0.000 χ²/NDF: 2005139.0/21
All: 0.000+/-0.000 χ²/NDF: 3838126.8/45
- sign 0.000+/-0.000 χ²/NDF: 1817850.1/23

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

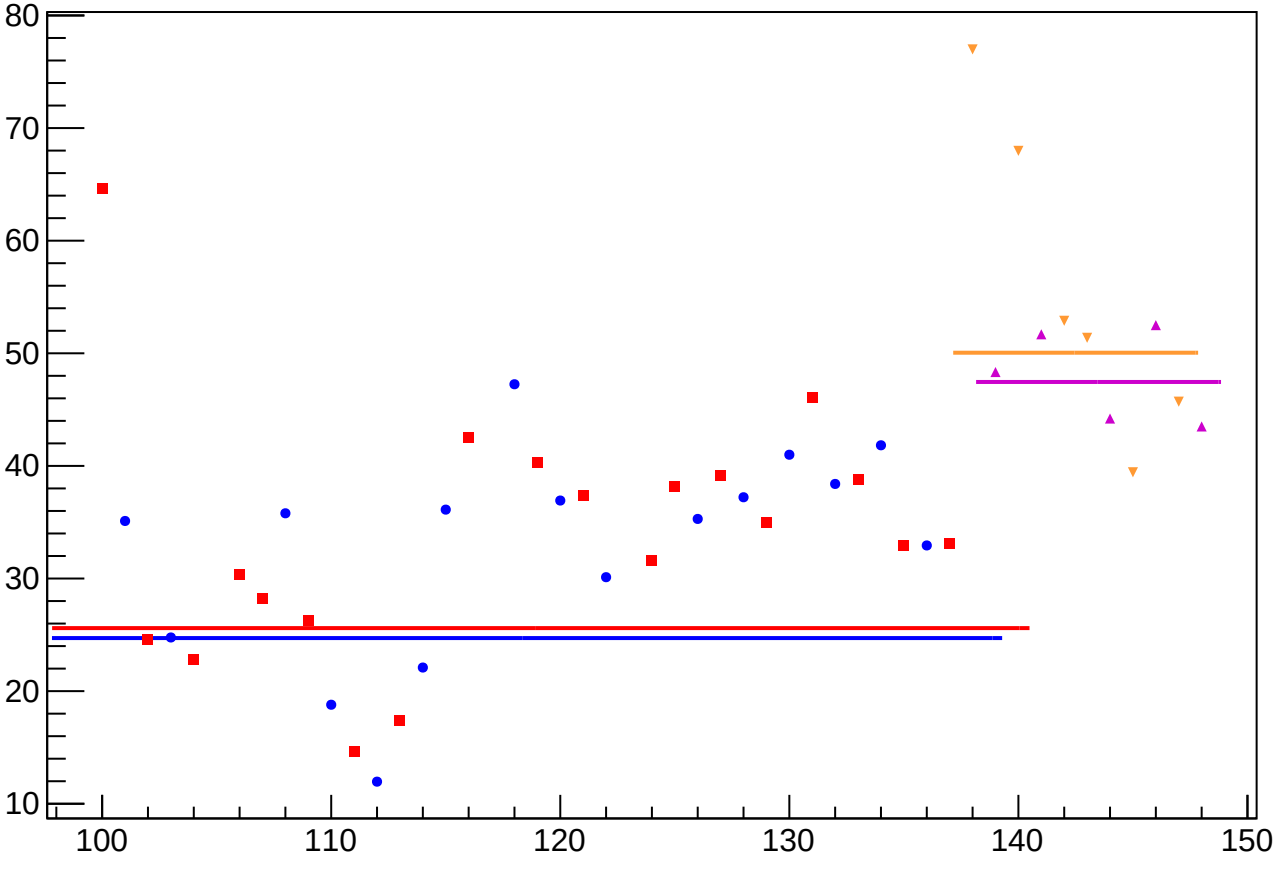
Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.002+/-0.007 χ^2/NDF: 51.5/45

- sign -0.011+/-0.009 χ^2/NDF: 21.1/23

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 50.052+/-0.017 χ^2/NDF:414246.2/5

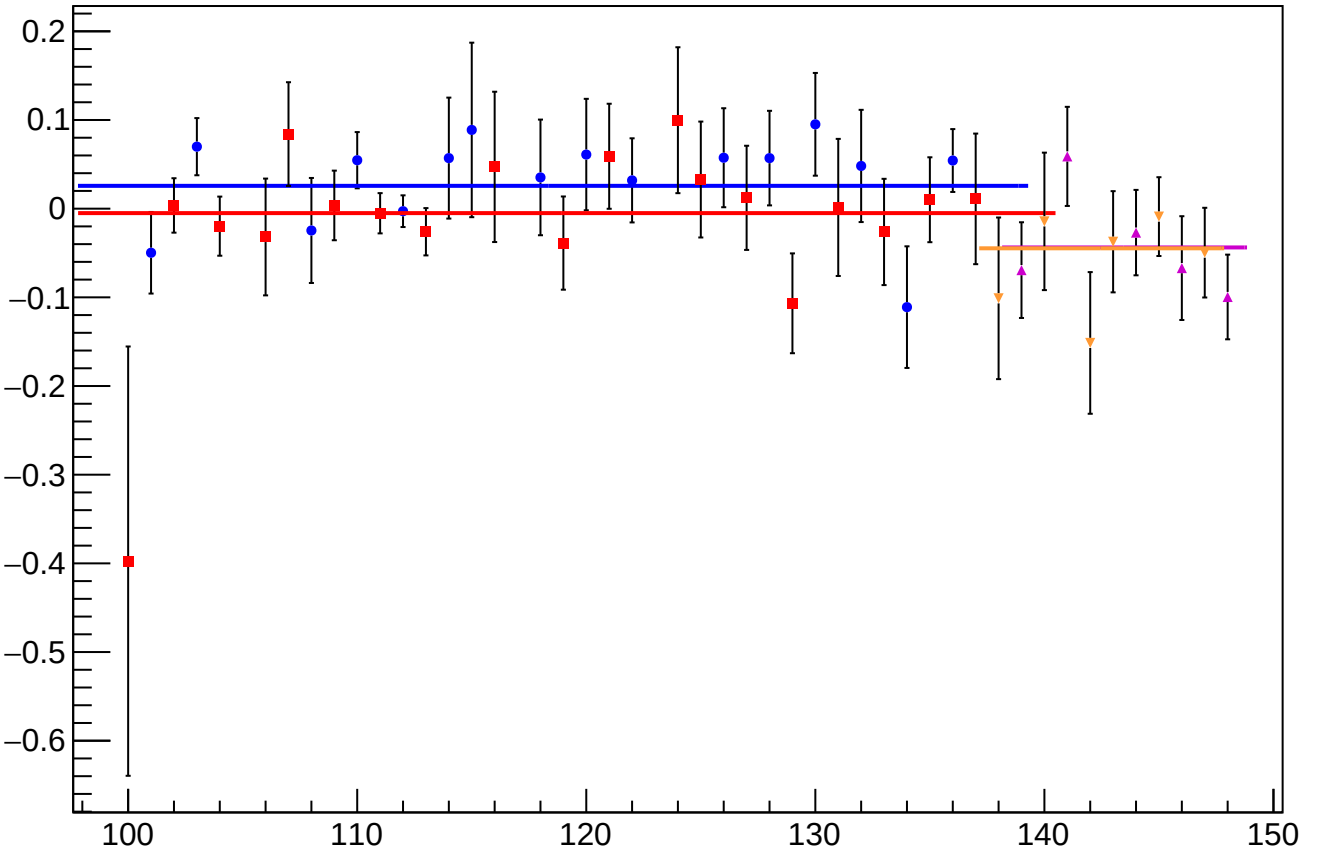
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.454+/-0.017 χ^2/NDF:49666.6/4

+ sign 28.519+/-0.007 χ^2/NDF: 4508002.3/21

All: 28.848+/-0.005 χ^2/NDF: 7626497.8/45

- sign 29.171+/-0.007 χ^2/NDF: 3113790.5/23



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

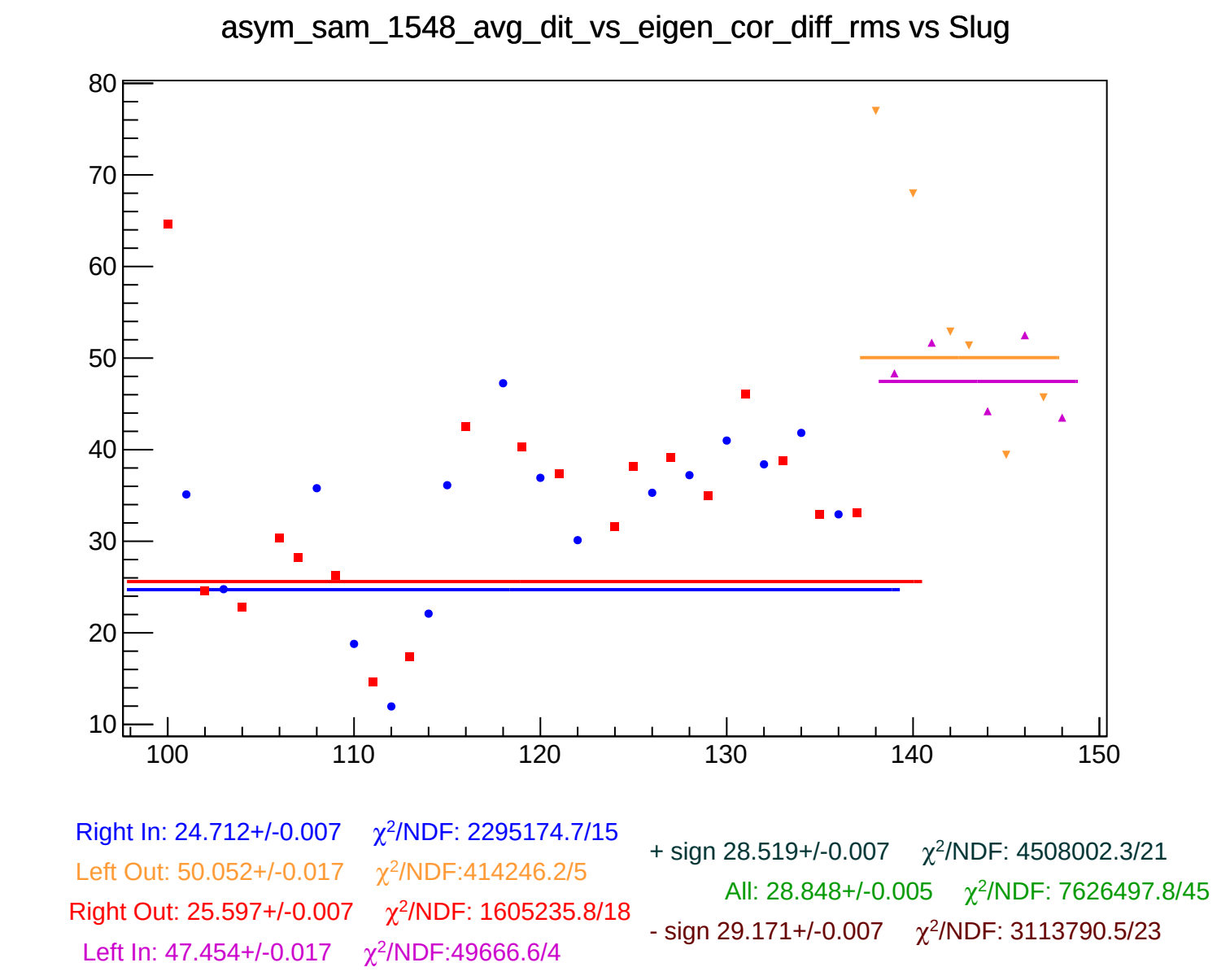
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

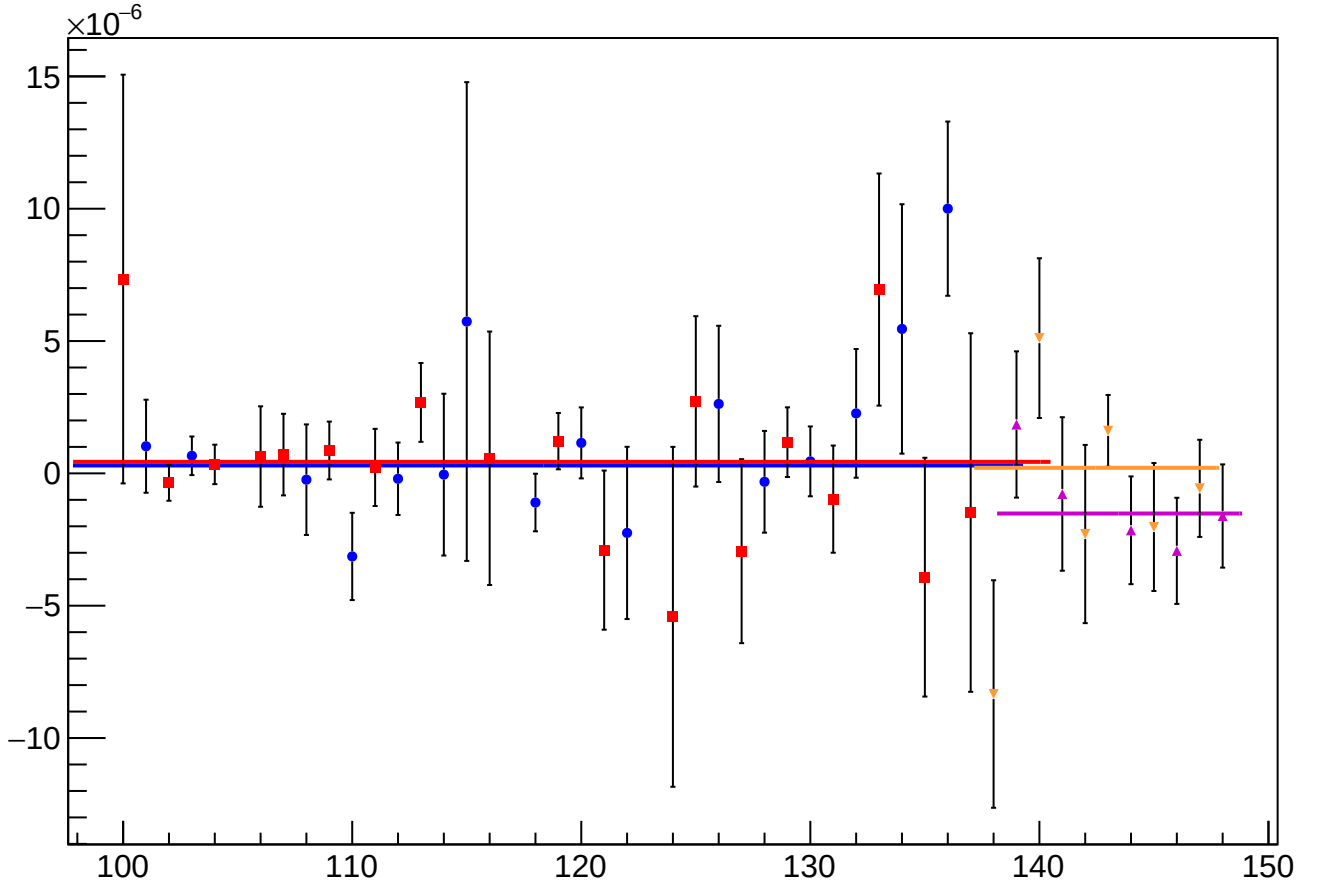
Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.002+/-0.007 χ^2/NDF: 51.5/45

- sign -0.011+/-0.009 χ^2/NDF: 21.1/23


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
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: 47.454+/-0.017 χ²/NDF:49666.6/4
+ sign 28.519+/-0.007 χ²/NDF: 4508002.3/21
All: 28.848+/-0.005 χ²/NDF: 7626497.8/45
- sign 29.171+/-0.007 χ²/NDF: 3113790.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/5

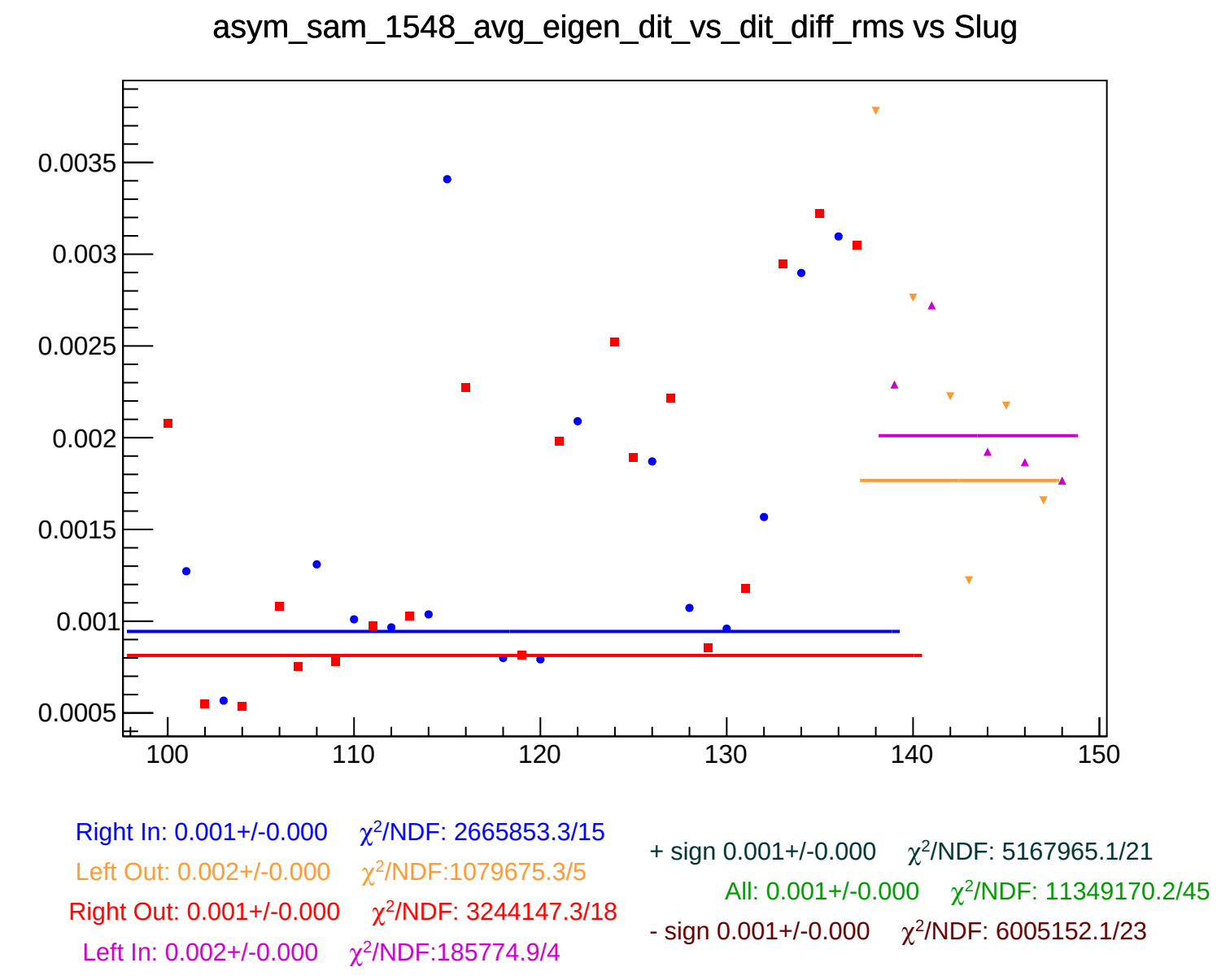
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

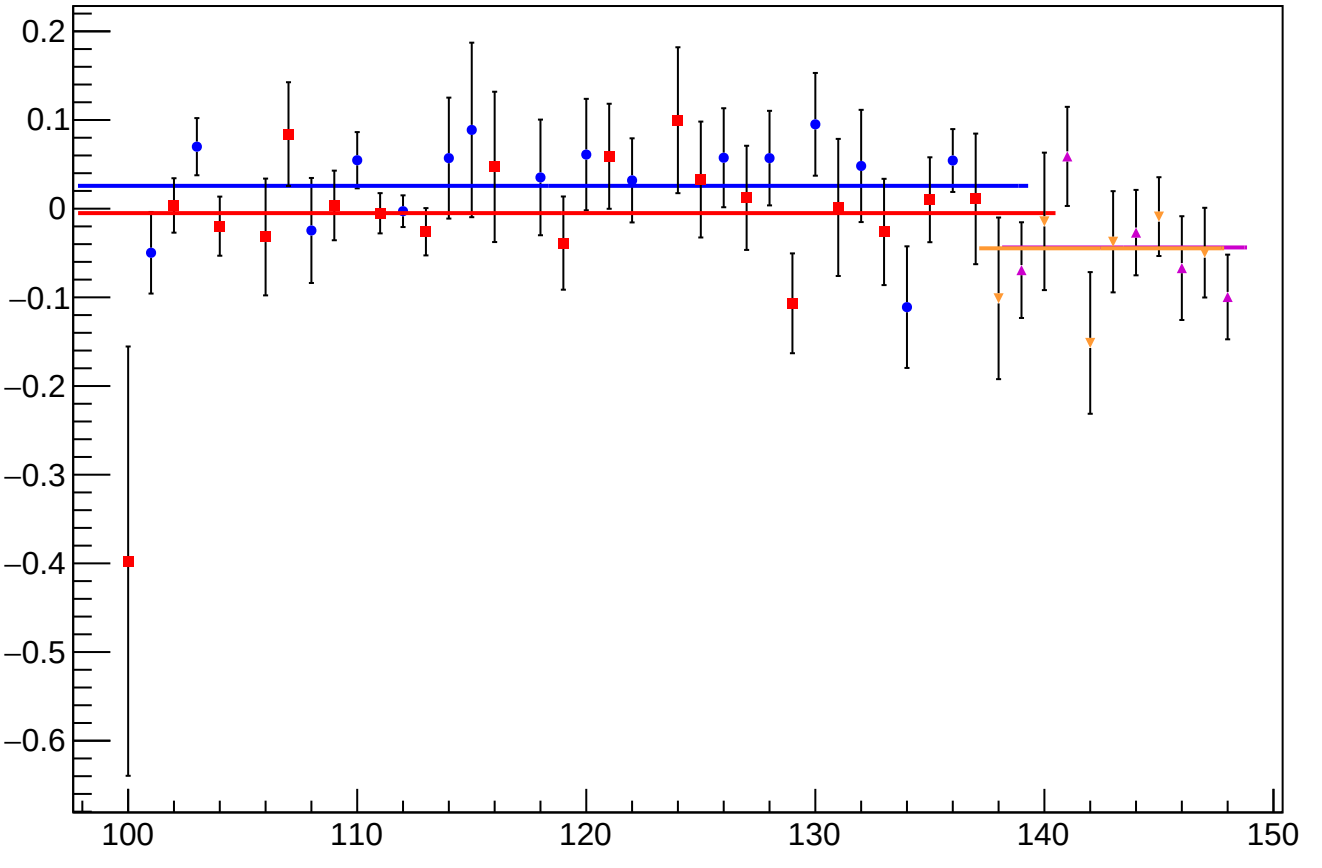
Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/21

All: 0.000+/-0.000 χ^2/NDF: 46.8/45

- sign 0.000+/-0.000 χ^2/NDF: 18.3/23


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1079675.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:185774.9/4
+ sign 0.001+/-0.000 χ²/NDF: 5167965.1/21
All: 0.001+/-0.000 χ²/NDF: 11349170.2/45
- sign 0.001+/-0.000 χ²/NDF: 6005152.1/23



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

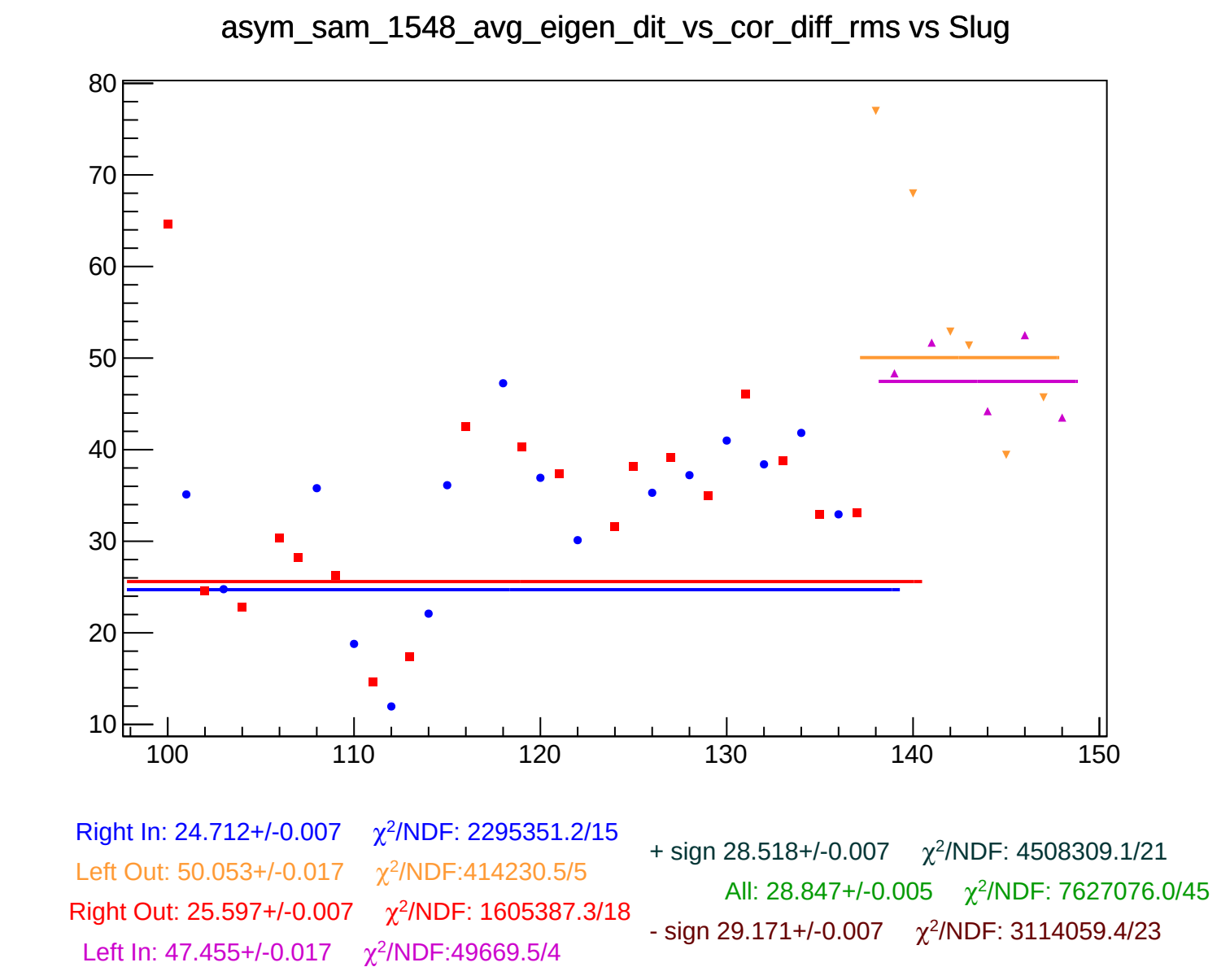
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.002+/-0.007 χ^2/NDF: 51.5/45

- sign -0.011+/-0.009 χ^2/NDF: 21.1/23


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
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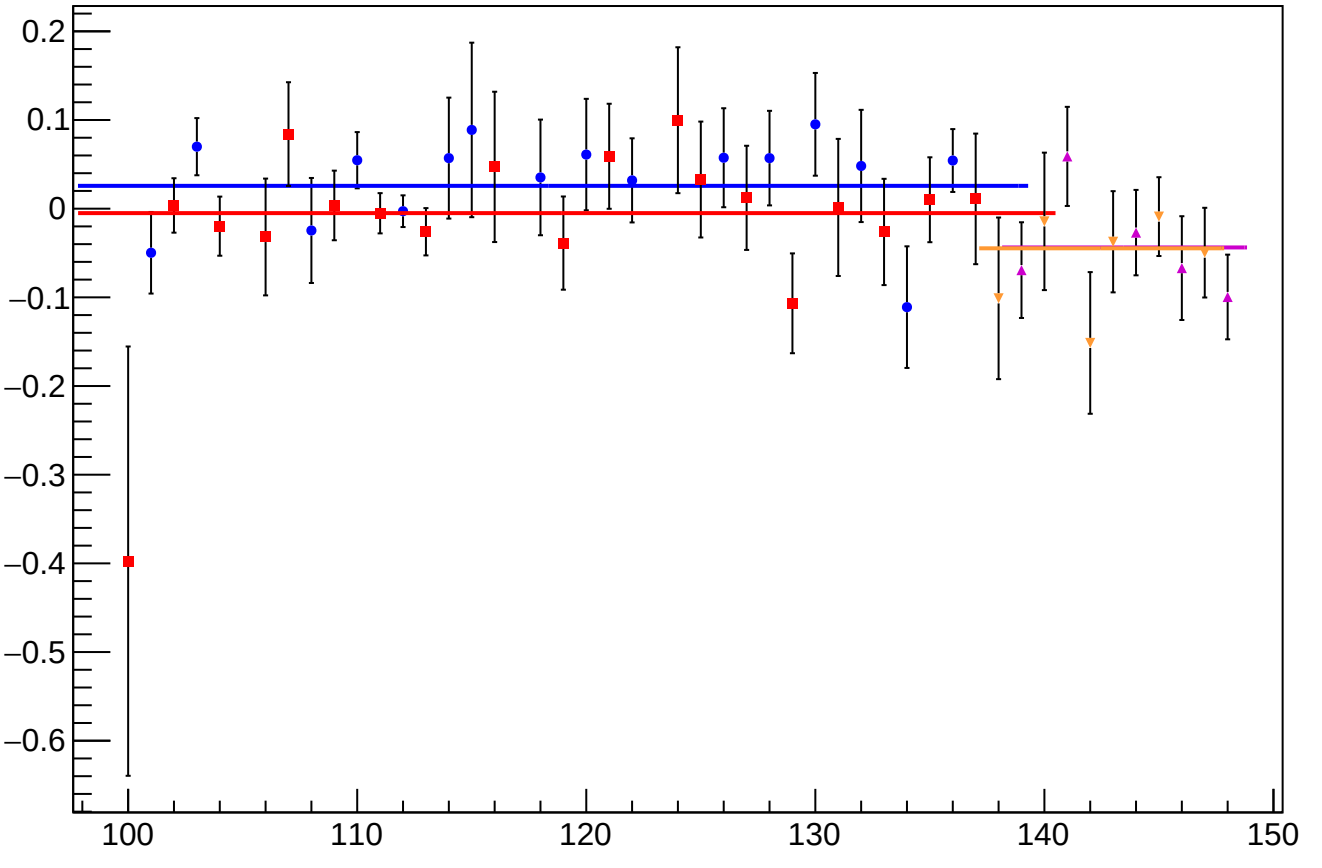
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 50.053+/-0.017 χ²/NDF:414230.5/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 47.455+/-0.017 χ²/NDF:49669.5/4
+ sign 28.518+/-0.007 χ²/NDF: 4508309.1/21
All: 28.847+/-0.005 χ²/NDF: 7627076.0/45
- sign 29.171+/-0.007 χ²/NDF: 3114059.4/23



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

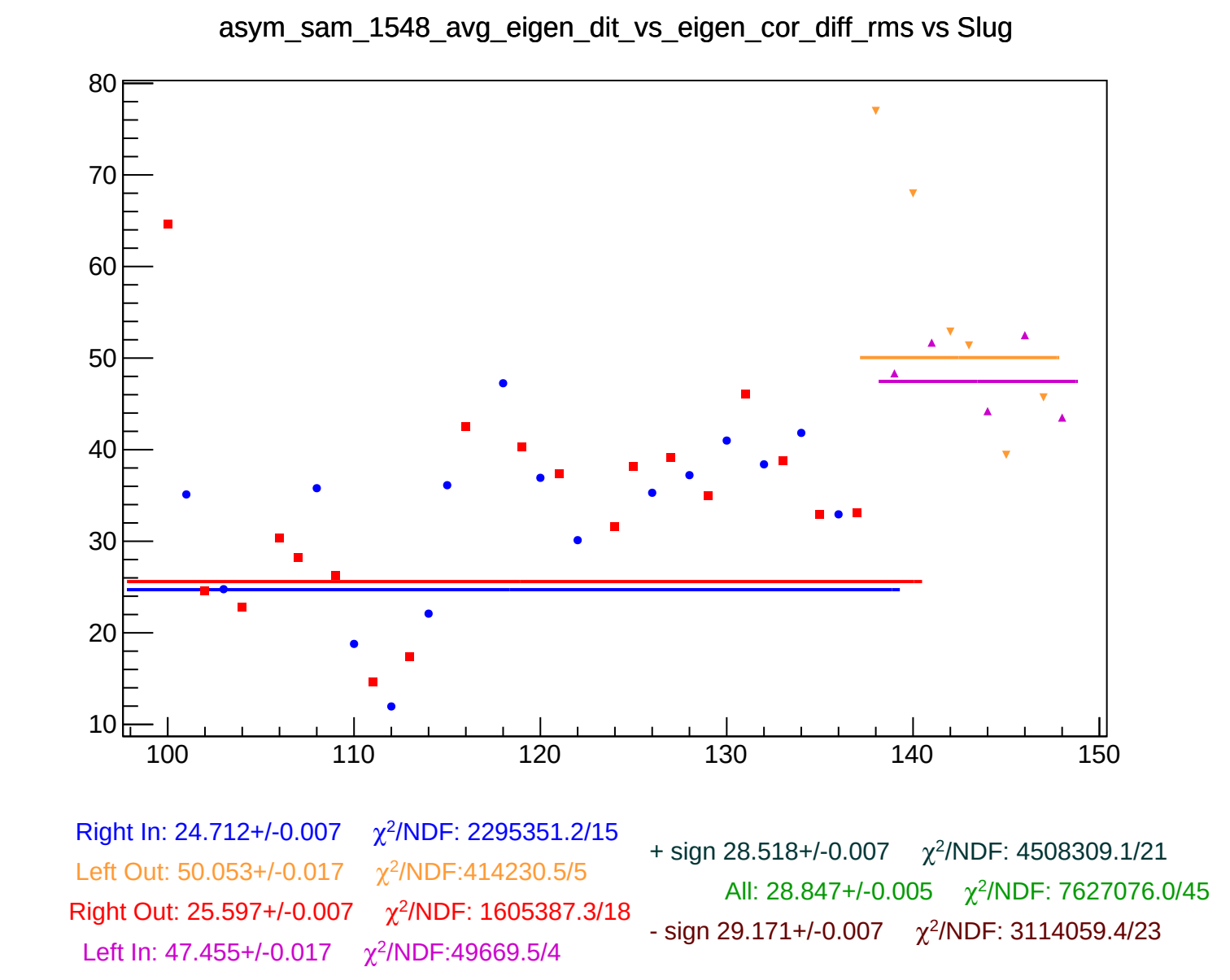
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.015+/-0.010 χ^2/NDF: 26.5/21

All: 0.002+/-0.007 χ^2/NDF: 51.5/45

- sign -0.011+/-0.009 χ^2/NDF: 21.1/23


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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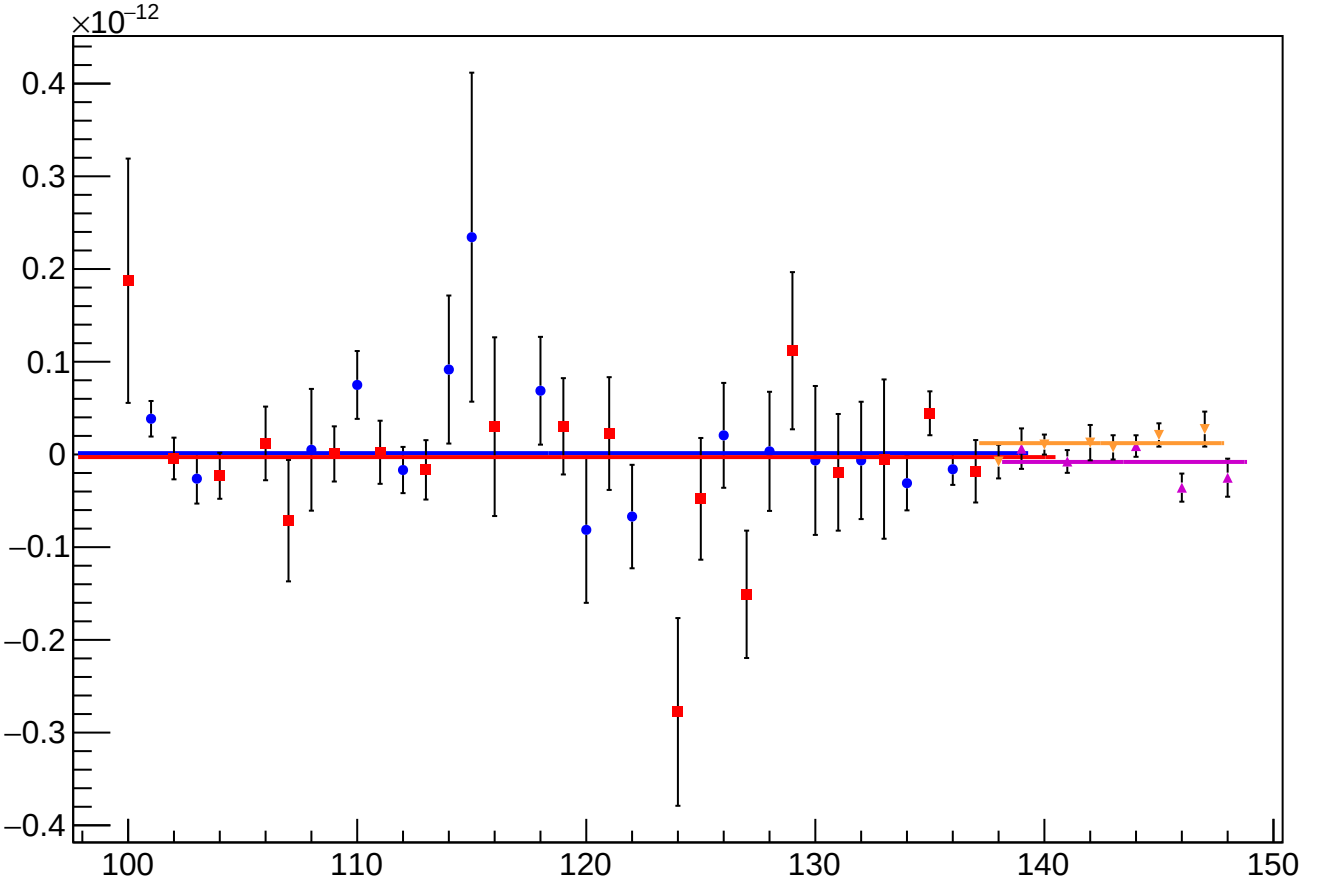
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 50.053+/-0.017 χ²/NDF:414230.5/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 47.455+/-0.017 χ²/NDF:49669.5/4
+ sign 28.518+/-0.007 χ²/NDF: 4508309.1/21
All: 28.847+/-0.005 χ²/NDF: 7627076.0/45
- sign 29.171+/-0.007 χ²/NDF: 3114059.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/5

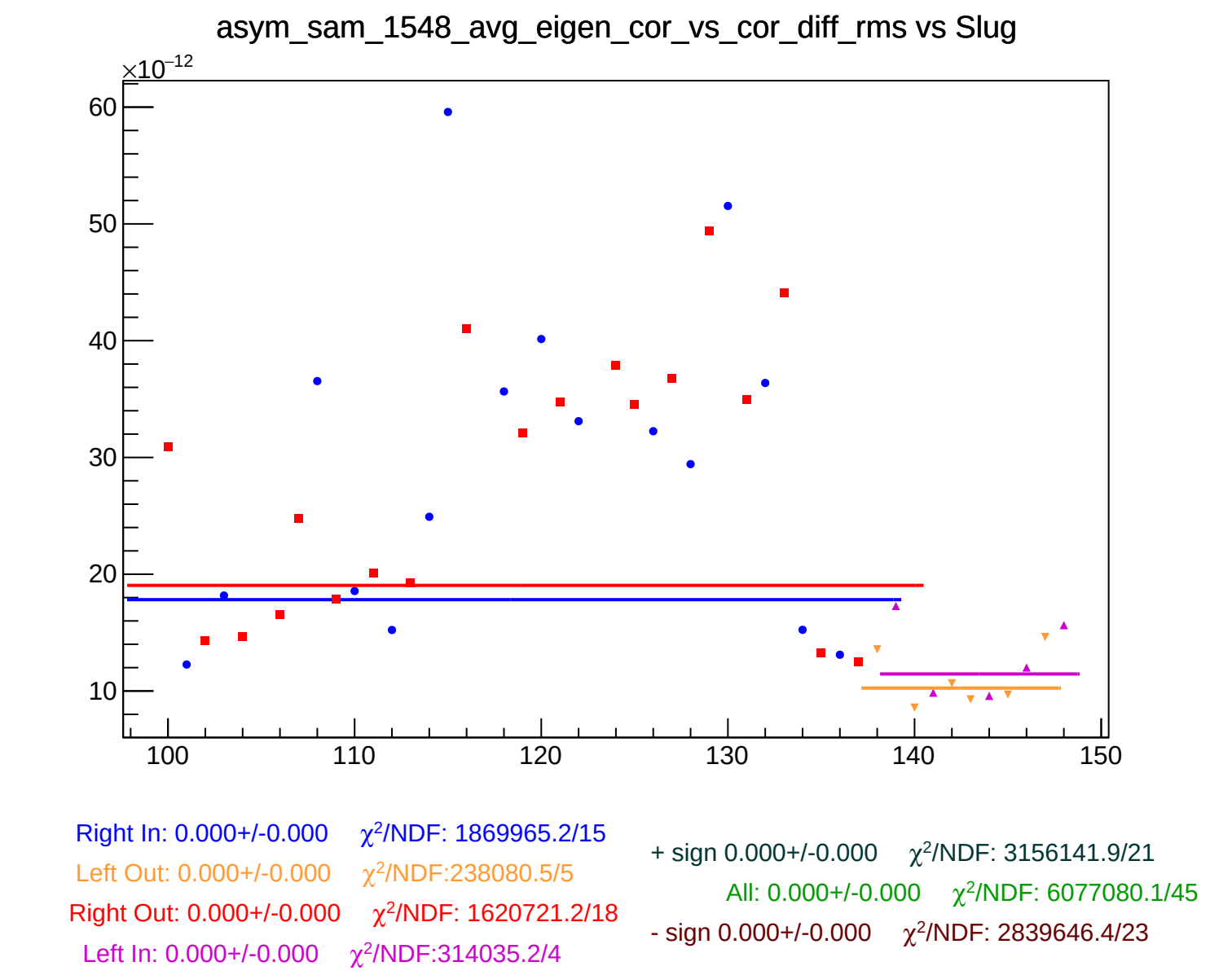
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.3/21

All: 0.000+/-0.000 χ^2/NDF: 57.0/45

- sign -0.000+/-0.000 χ^2/NDF: 30.3/23


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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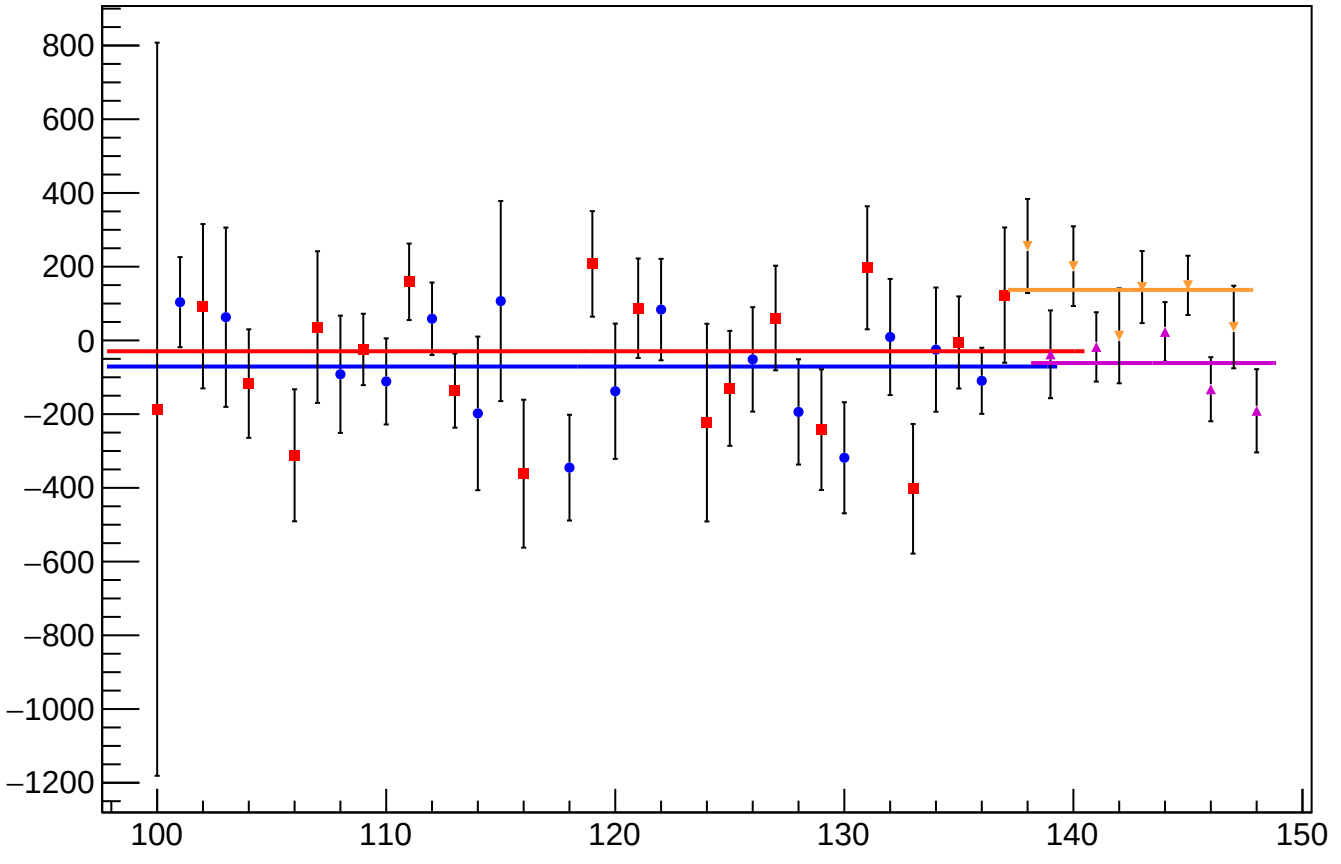
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:238080.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:314035.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3156141.9/21
All: 0.000+/-0.000 χ²/NDF: 6077080.1/45
- sign 0.000+/-0.000 χ²/NDF: 2839646.4/23

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

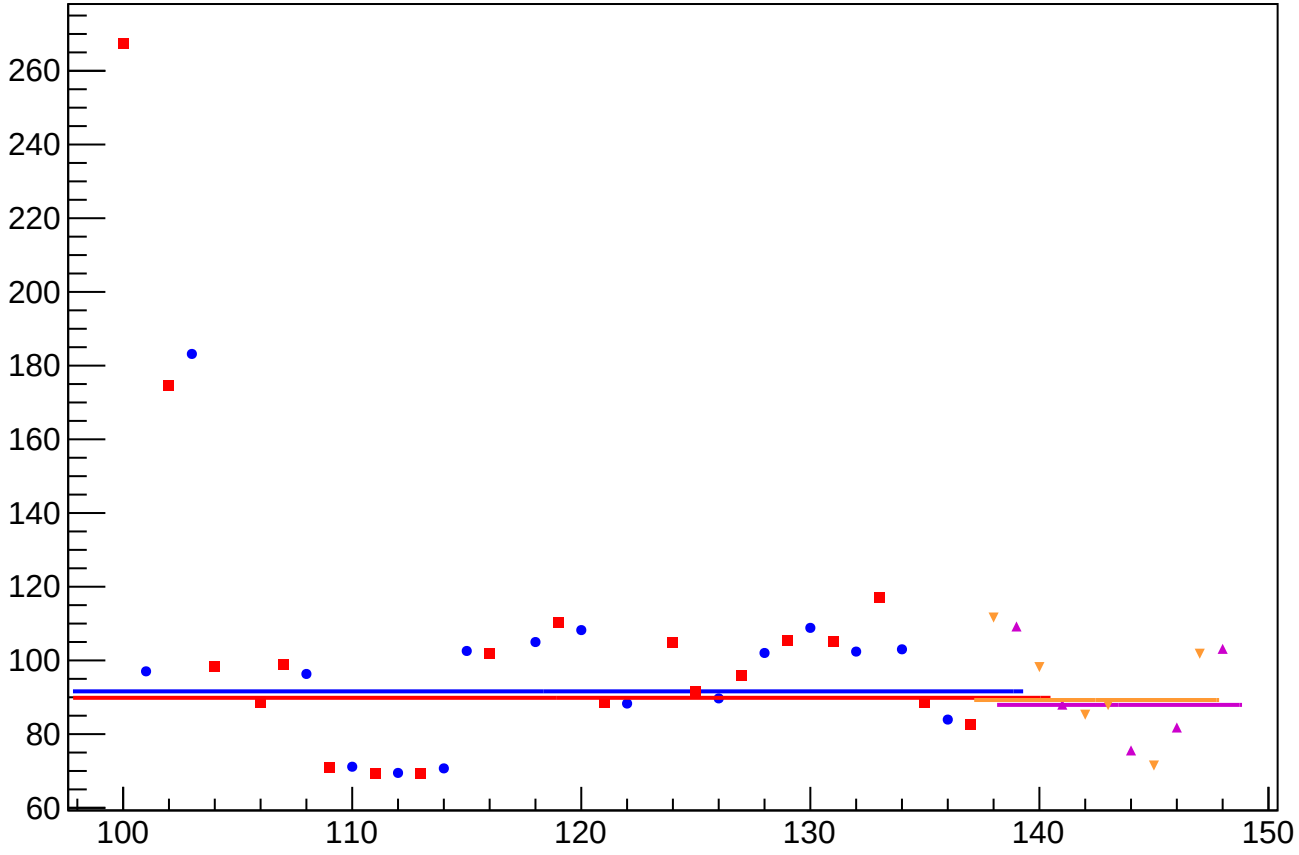
Left In: -61.397+/-42.729 χ^2/NDF:3.3/4

+ sign 12.828+/-27.147 χ^2/NDF: 31.2/21

All: -14.978+/-19.043 χ^2/NDF: 60.9/45

- sign -41.919+/-26.721 χ^2/NDF: 27.7/23

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

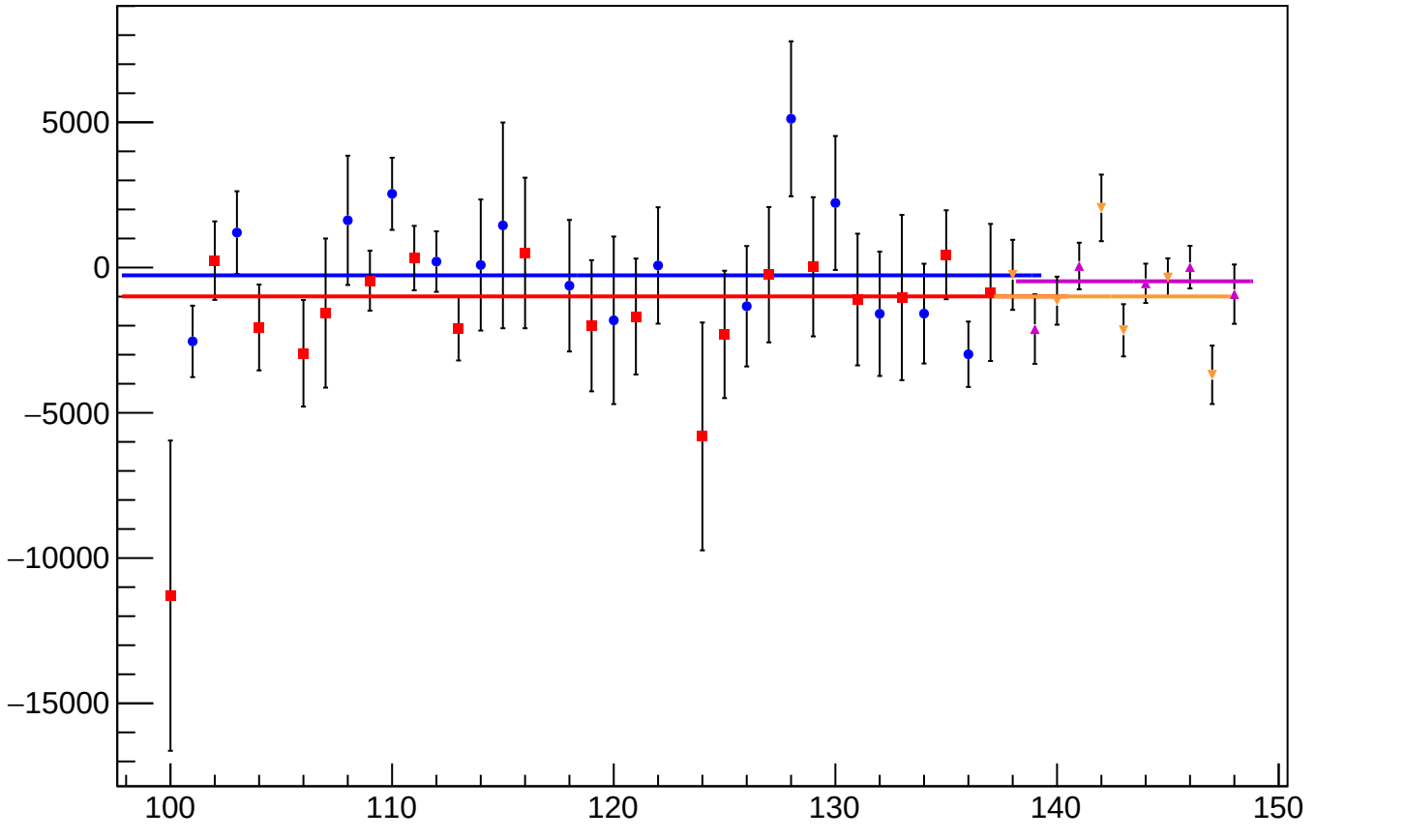
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.661+/-0.019 χ^2/NDF: 784780.7/21

All: 89.870+/-0.013 χ^2/NDF: 1693849.8/45

- sign 89.103+/-0.019 χ^2/NDF: 905724.5/23



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

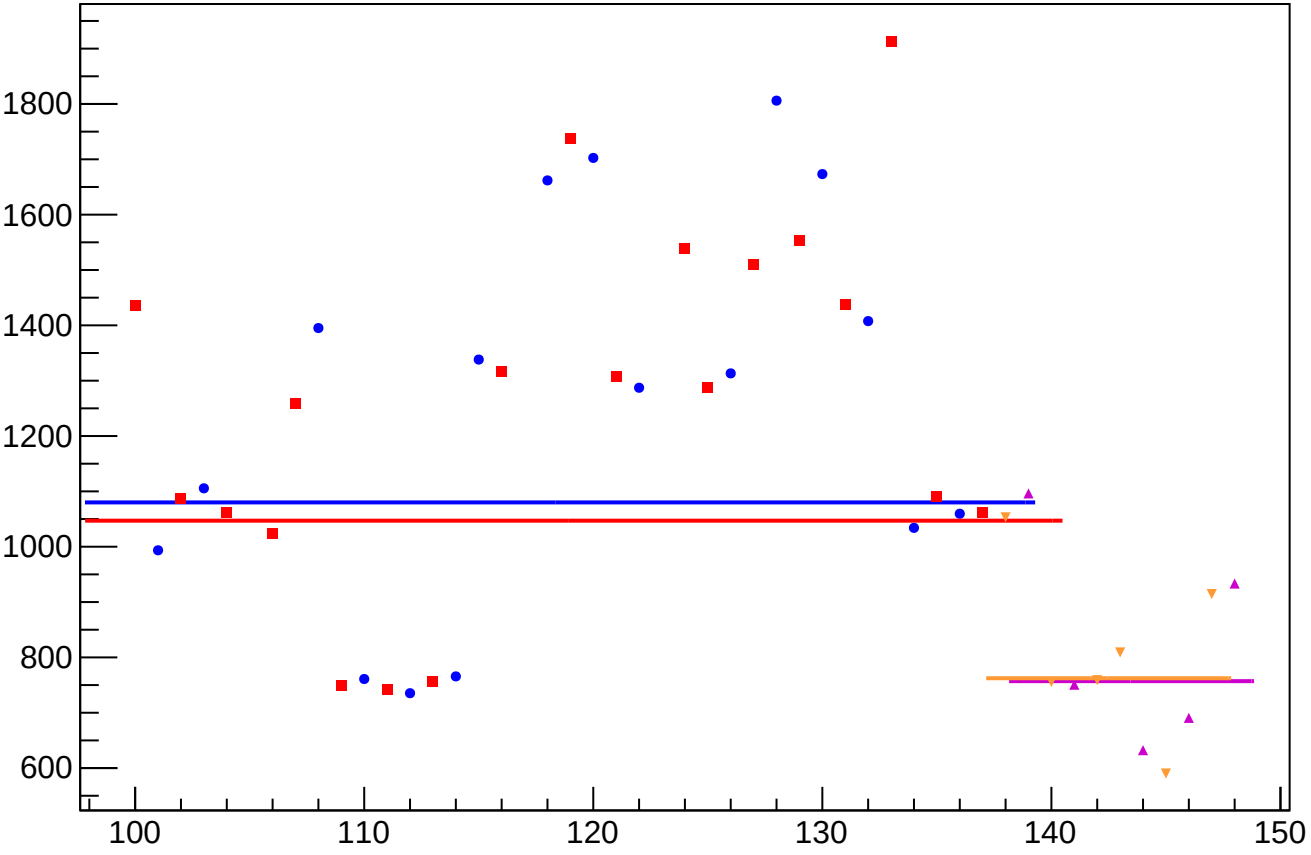
Left In: -472.829+/-370.883 χ^2/NDF:3.0/4

+ sign -679.751+/-276.134 χ^2/NDF: 42.5/21

All: -696.415+/-193.859 χ^2/NDF: 59.0/45

- sign -712.611+/-272.224 χ^2/NDF: 16.5/23

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

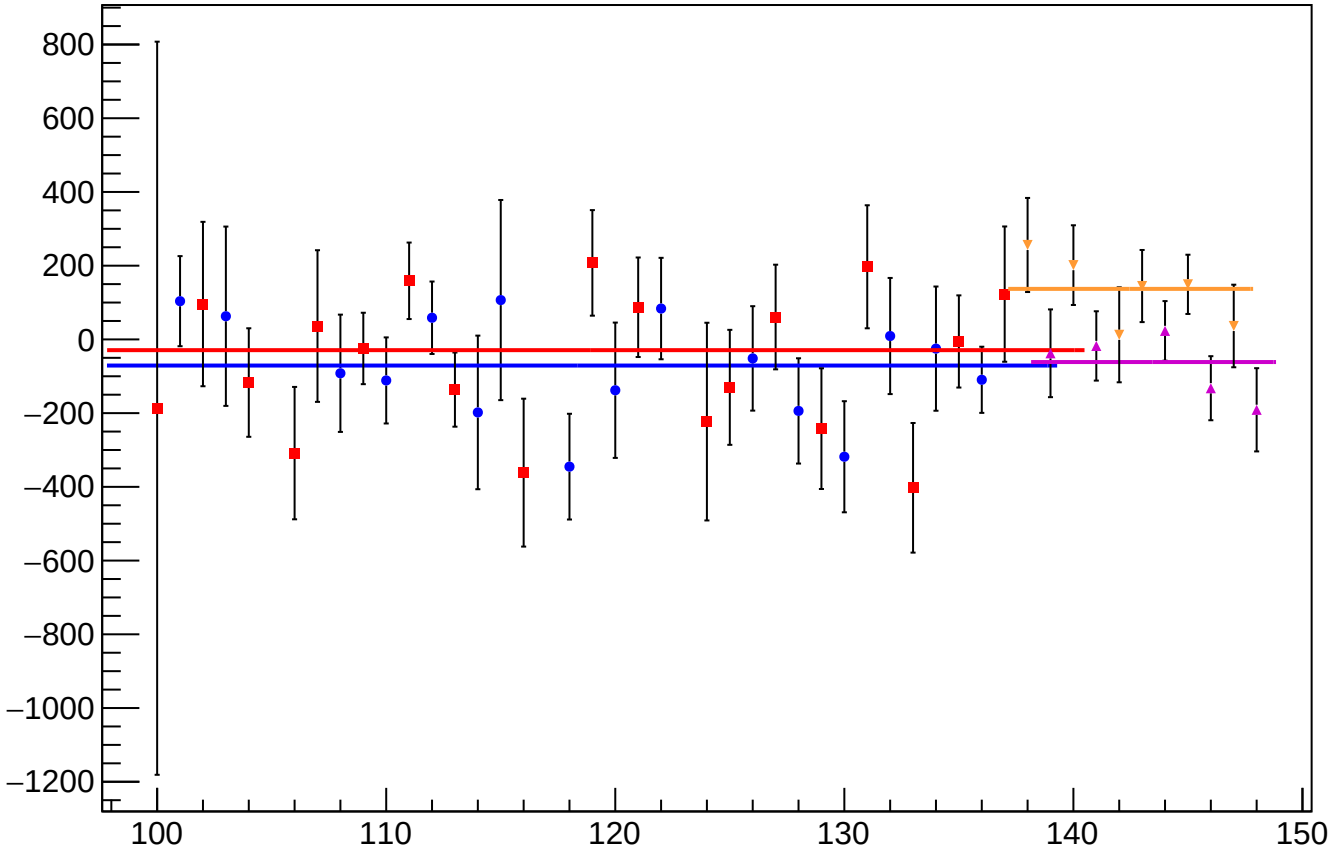
Left In: 757.082+/-0.262 χ^2/NDF:305285.6/4

+ sign 899.952+/-0.195 χ^2/NDF: 2007196.0/21

All: 895.331+/-0.137 χ^2/NDF: 4076200.0/45

- sign 890.841+/-0.192 χ^2/NDF: 2067899.7/23

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

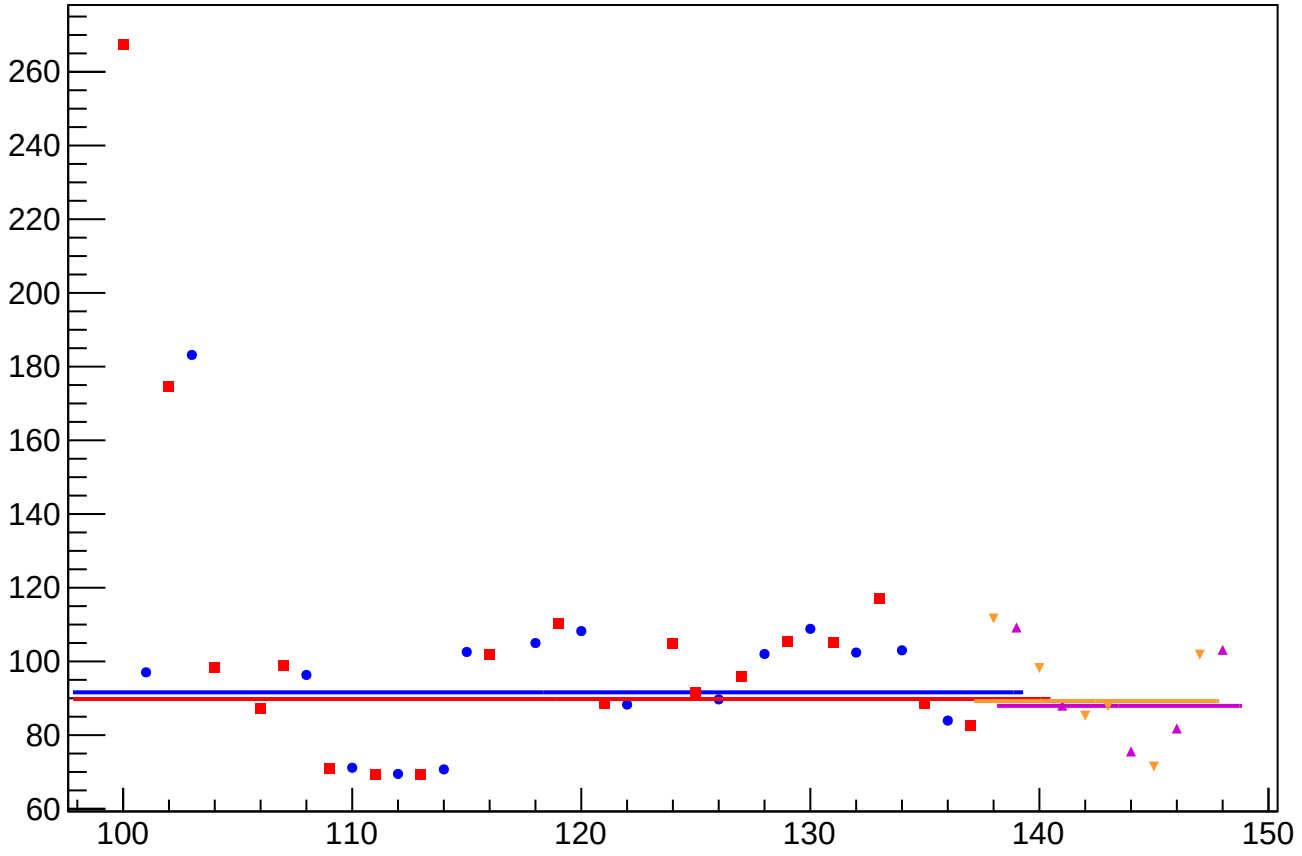
Left In: -61.402+/-42.729 χ^2/NDF:3.3/4

+ sign 12.827+/-27.147 χ^2/NDF: 31.2/21

All: -14.901+/-19.044 χ^2/NDF: 60.9/45

- sign -41.770+/-26.723 χ^2/NDF: 27.6/23

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

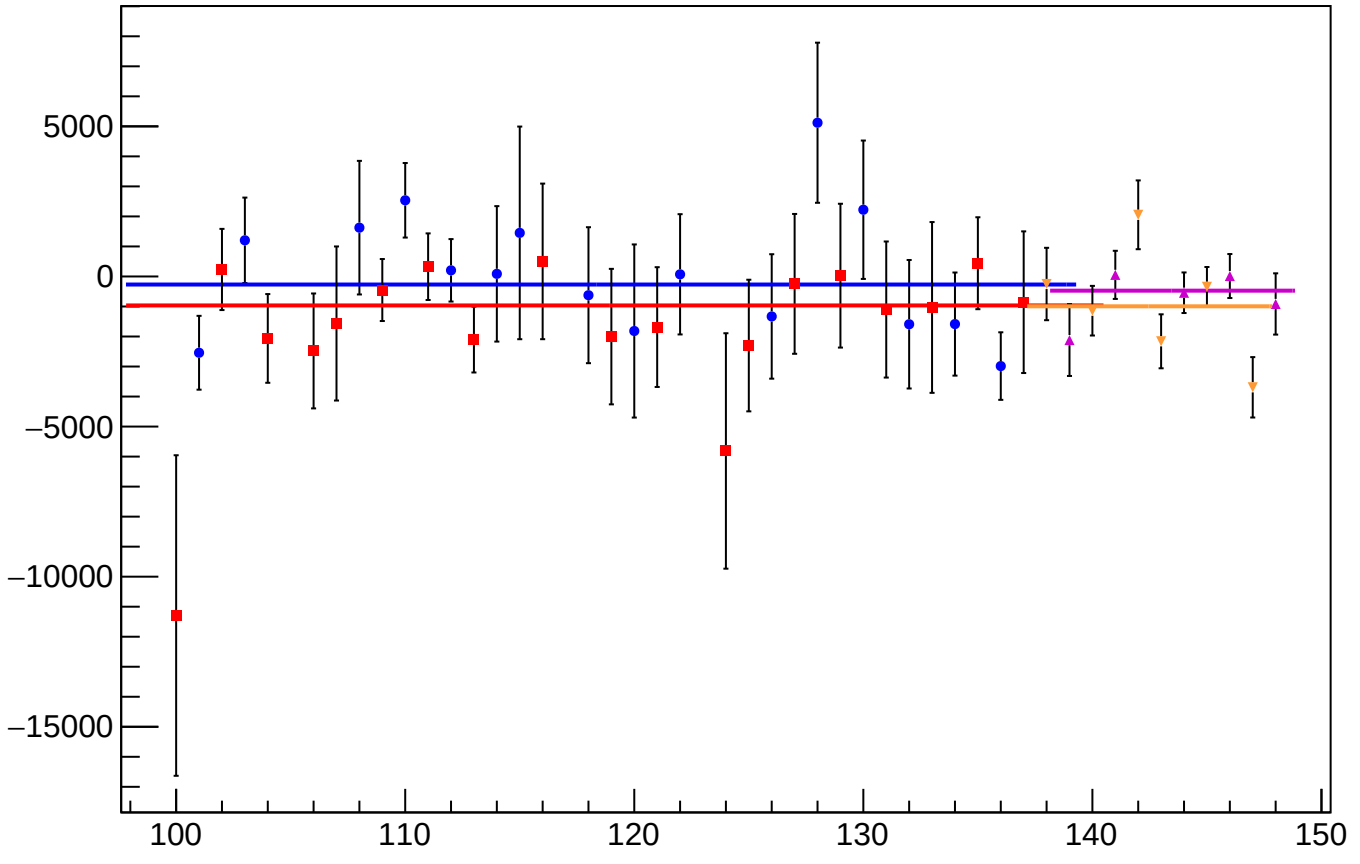
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.661+/-0.019 χ^2/NDF: 784783.8/21

All: 89.855+/-0.013 χ^2/NDF: 1694402.4/45

- sign 89.074+/-0.019 χ^2/NDF: 906148.5/23



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

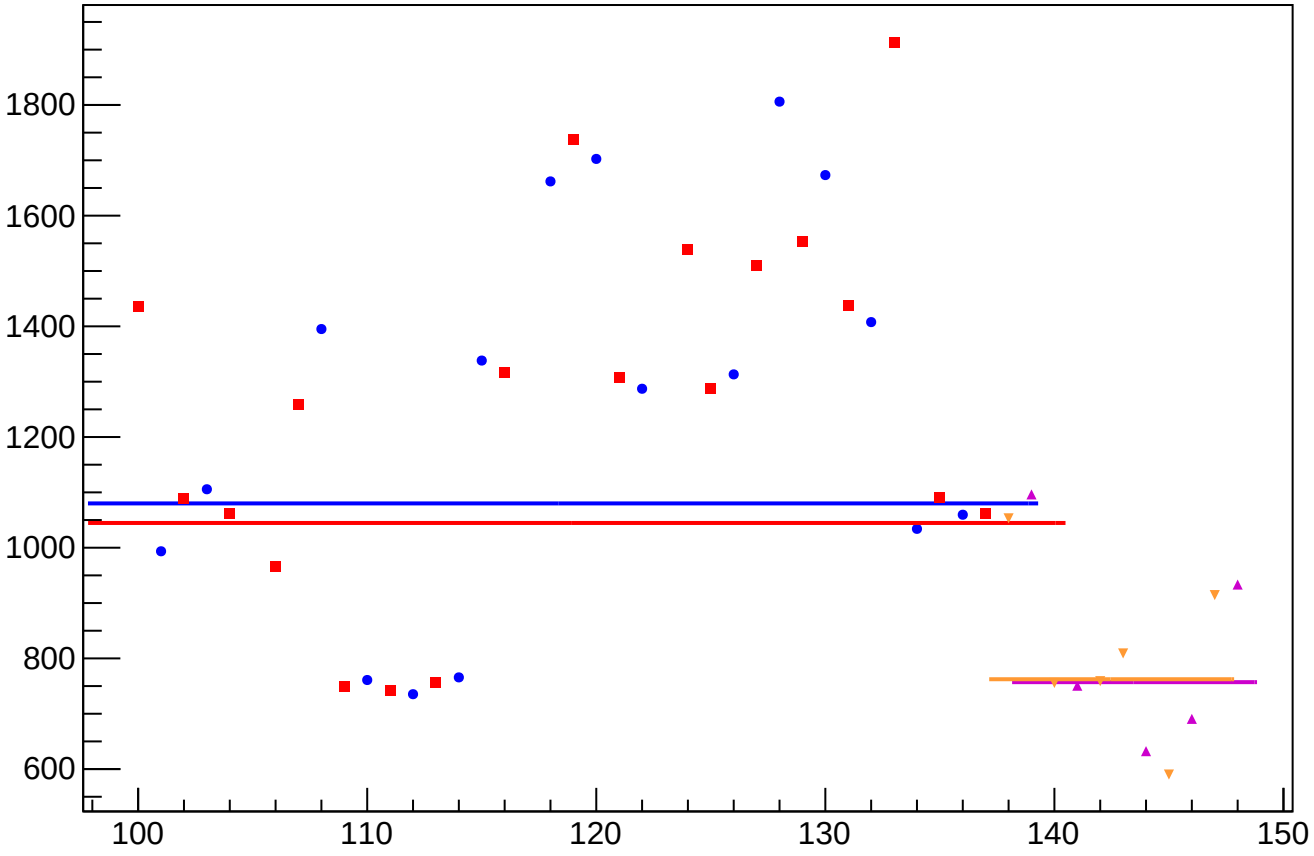
Left In: -472.838+/-370.883 χ^2/NDF:3.0/4

+ sign -679.755+/-276.134 χ^2/NDF: 42.5/21

All: -689.685+/-193.951 χ^2/NDF: 58.4/45

- sign -699.354+/-272.477 χ^2/NDF: 15.9/23

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

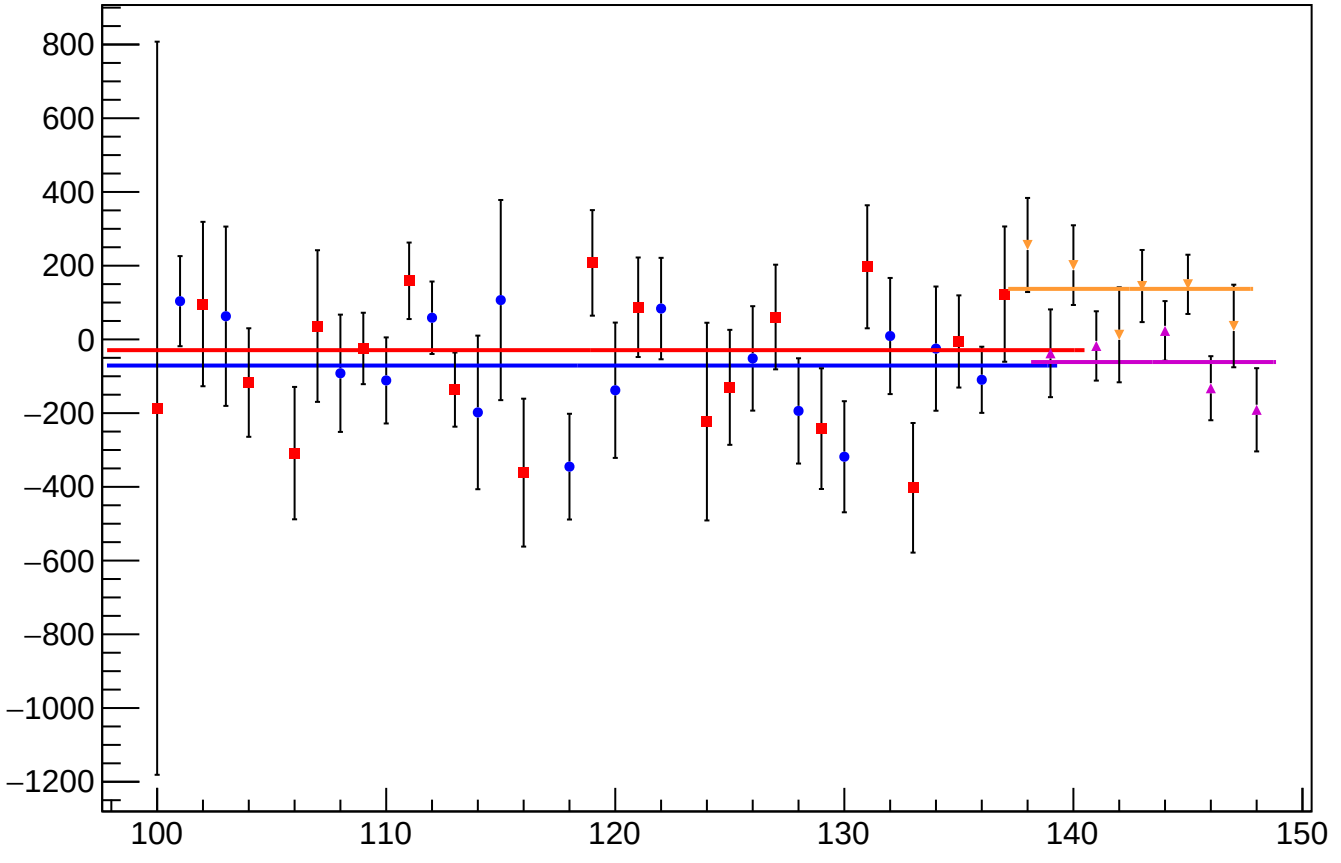
Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

+ sign 899.954+/-0.195 χ^2/NDF: 2007234.8/21

All: 894.641+/-0.137 χ^2/NDF: 4069461.0/45

- sign 889.468+/-0.193 χ^2/NDF: 2060765.1/23

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

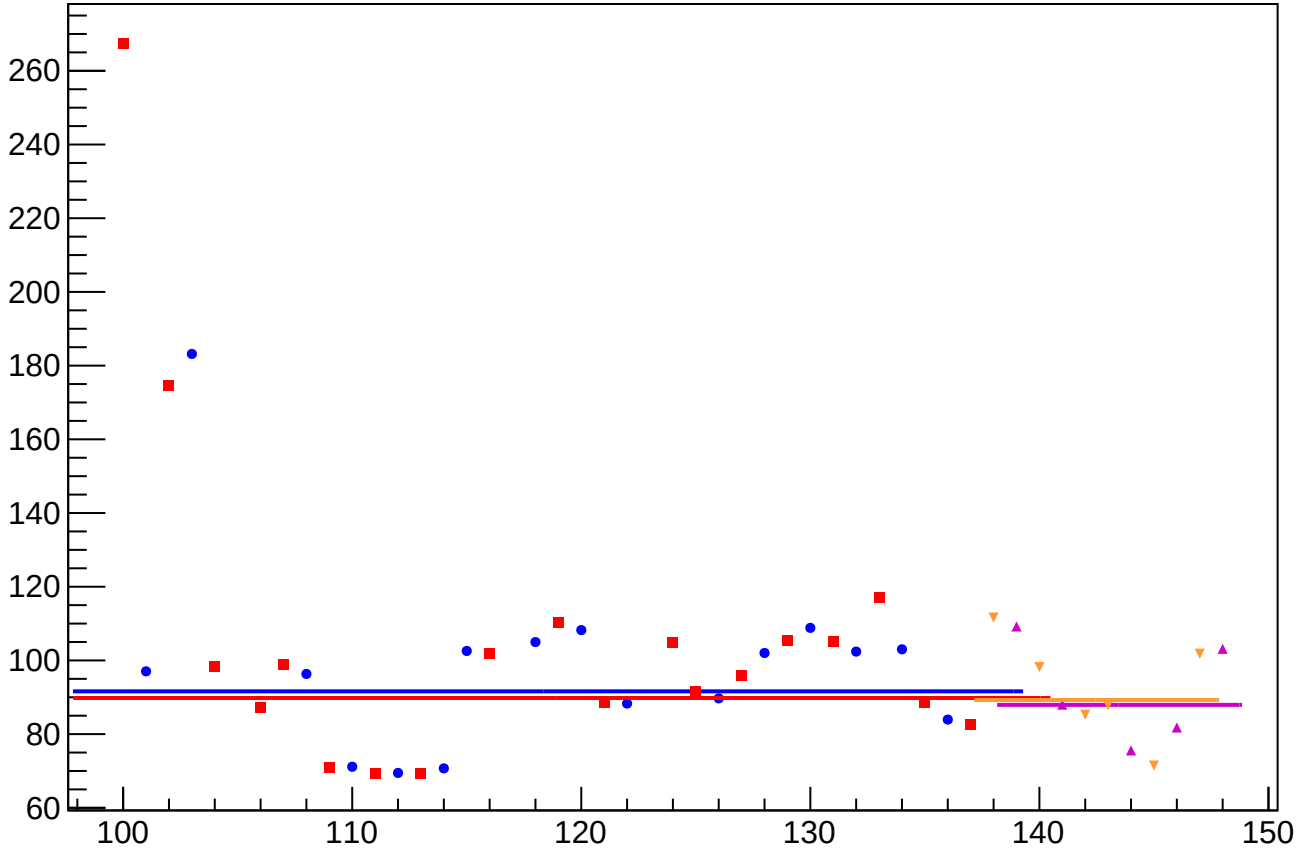
Left In: -61.402+/-42.729 χ^2/NDF:3.3/4

+ sign 12.827+/-27.147 χ^2/NDF: 31.2/21

All: -14.901+/-19.044 χ^2/NDF: 60.9/45

- sign -41.770+/-26.723 χ^2/NDF: 27.6/23

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

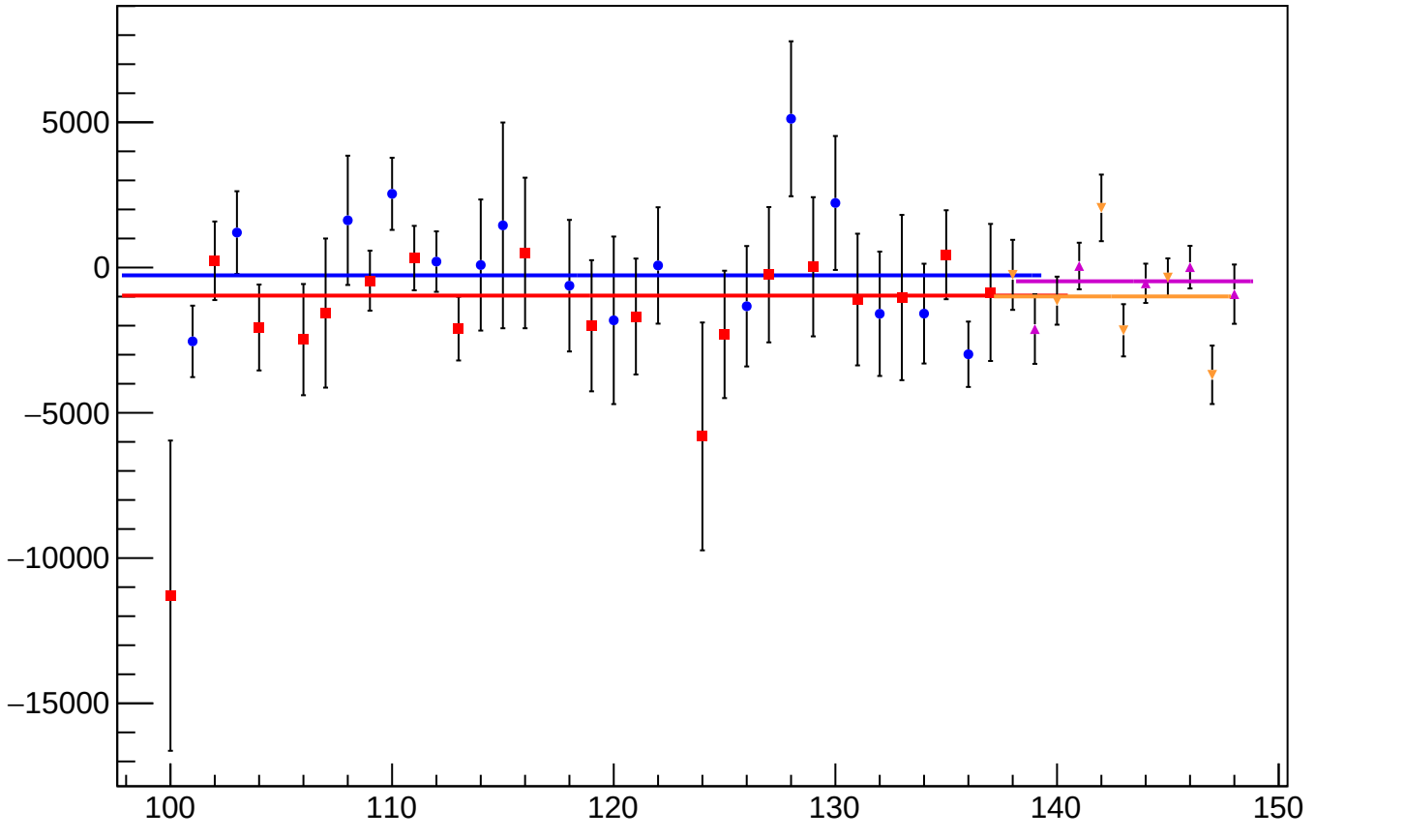
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.661+/-0.019 χ^2/NDF: 784783.8/21

All: 89.855+/-0.013 χ^2/NDF: 1694402.4/45

- sign 89.074+/-0.019 χ^2/NDF: 906148.5/23



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

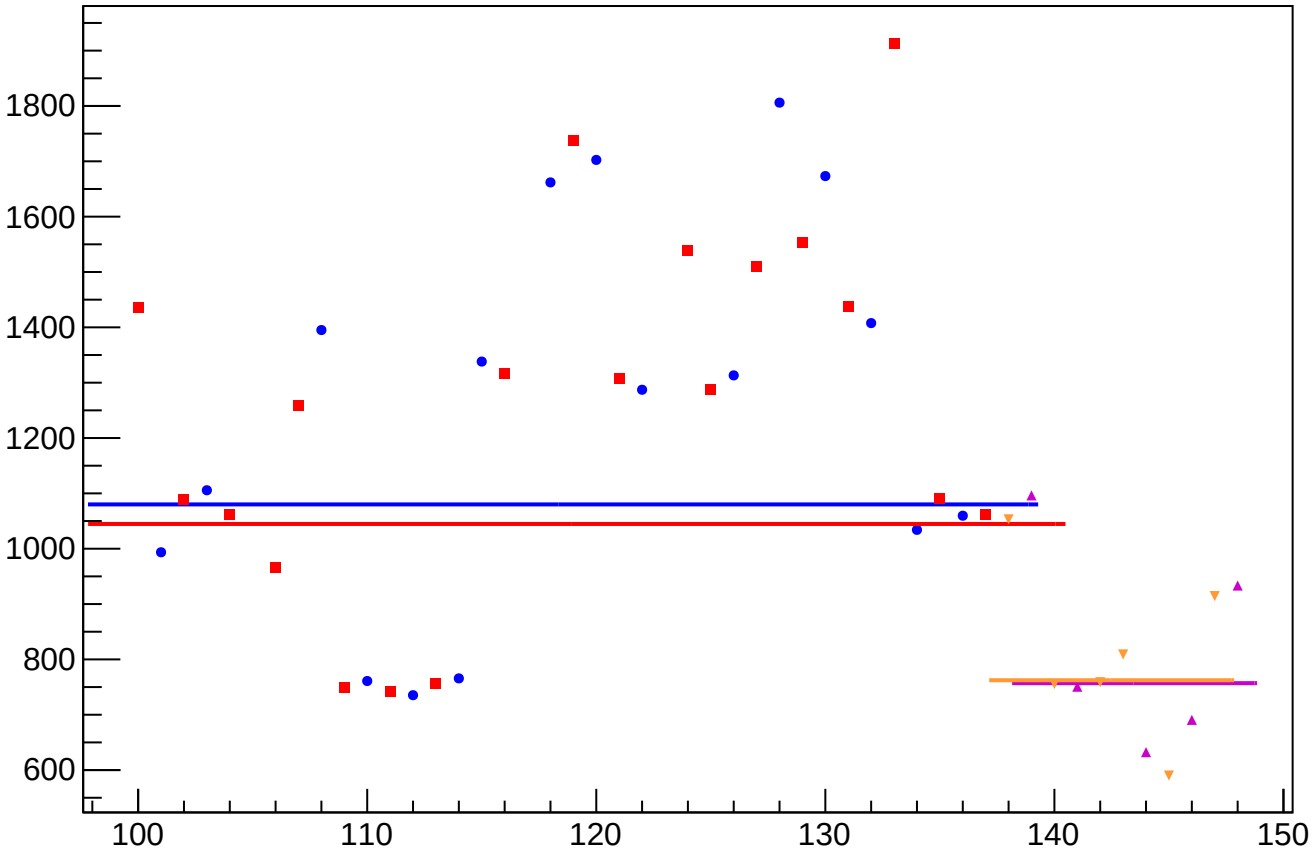
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -472.838+/-370.883 χ^2/NDF:3.0/4

+ sign -679.755+/-276.134 χ^2/NDF: 42.5/21

All: -689.685+/-193.951 χ^2/NDF: 58.4/45

- sign -699.354+/-272.477 χ^2/NDF: 15.9/23



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

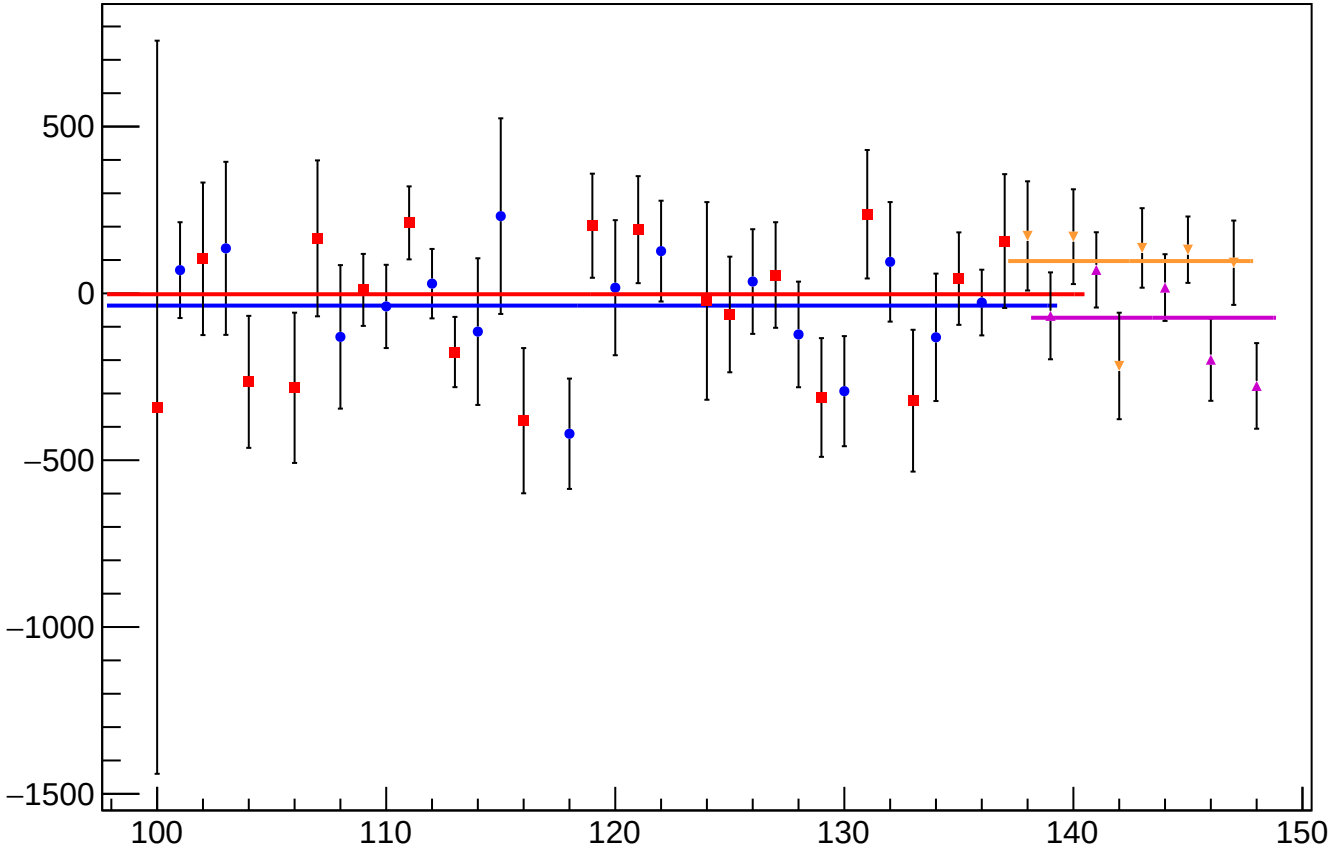
Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

+ sign 899.954+/-0.195 χ^2/NDF: 2007234.8/21

All: 894.641+/-0.137 χ^2/NDF: 4069461.0/45

- sign 889.468+/-0.193 χ^2/NDF: 2060765.1/23

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

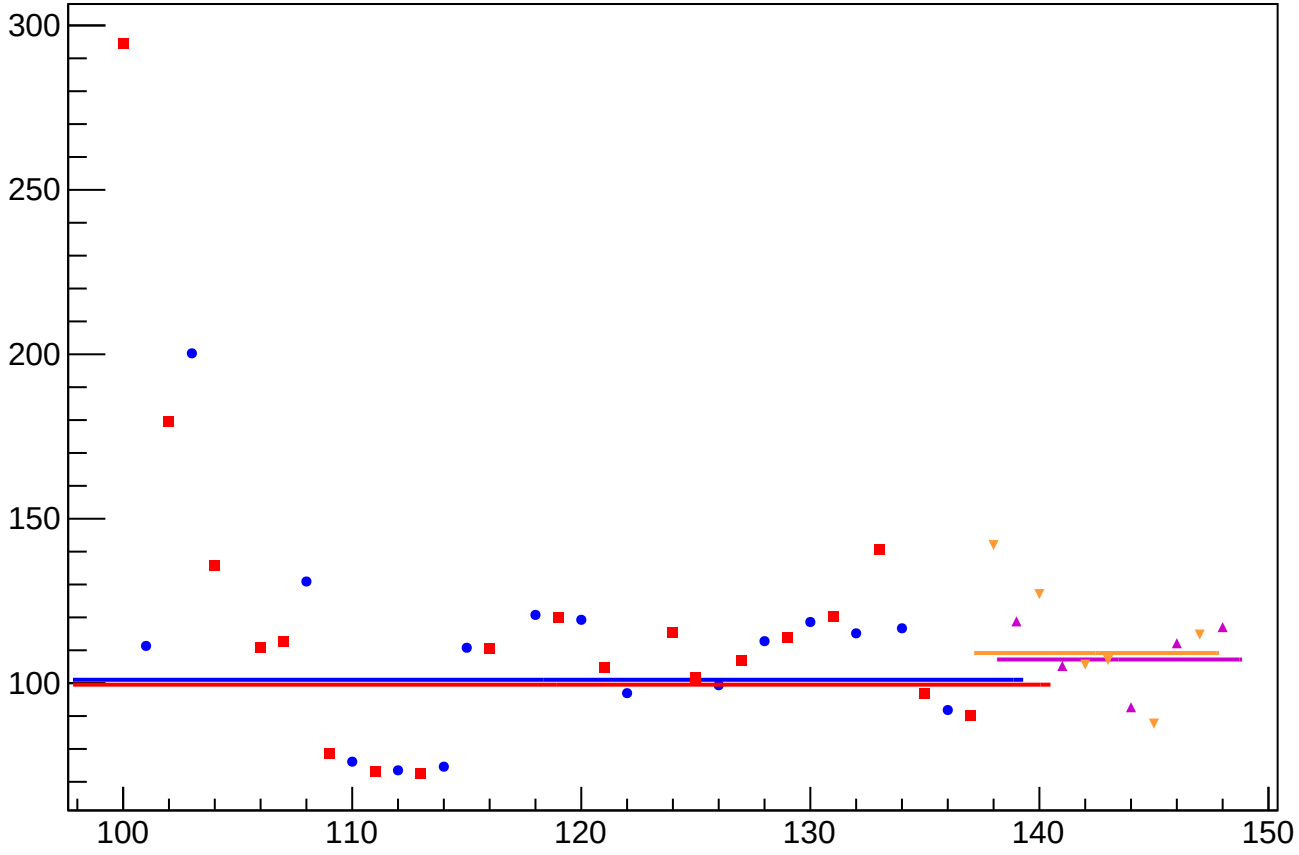
Left In: -73.026+/-52.406 χ^2/NDF:6.0/4

+ sign 10.630+/-31.343 χ^2/NDF: 21.6/21

All: -8.475+/-21.987 χ^2/NDF: 54.3/45

- sign -26.986+/-30.851 χ^2/NDF: 31.9/23

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

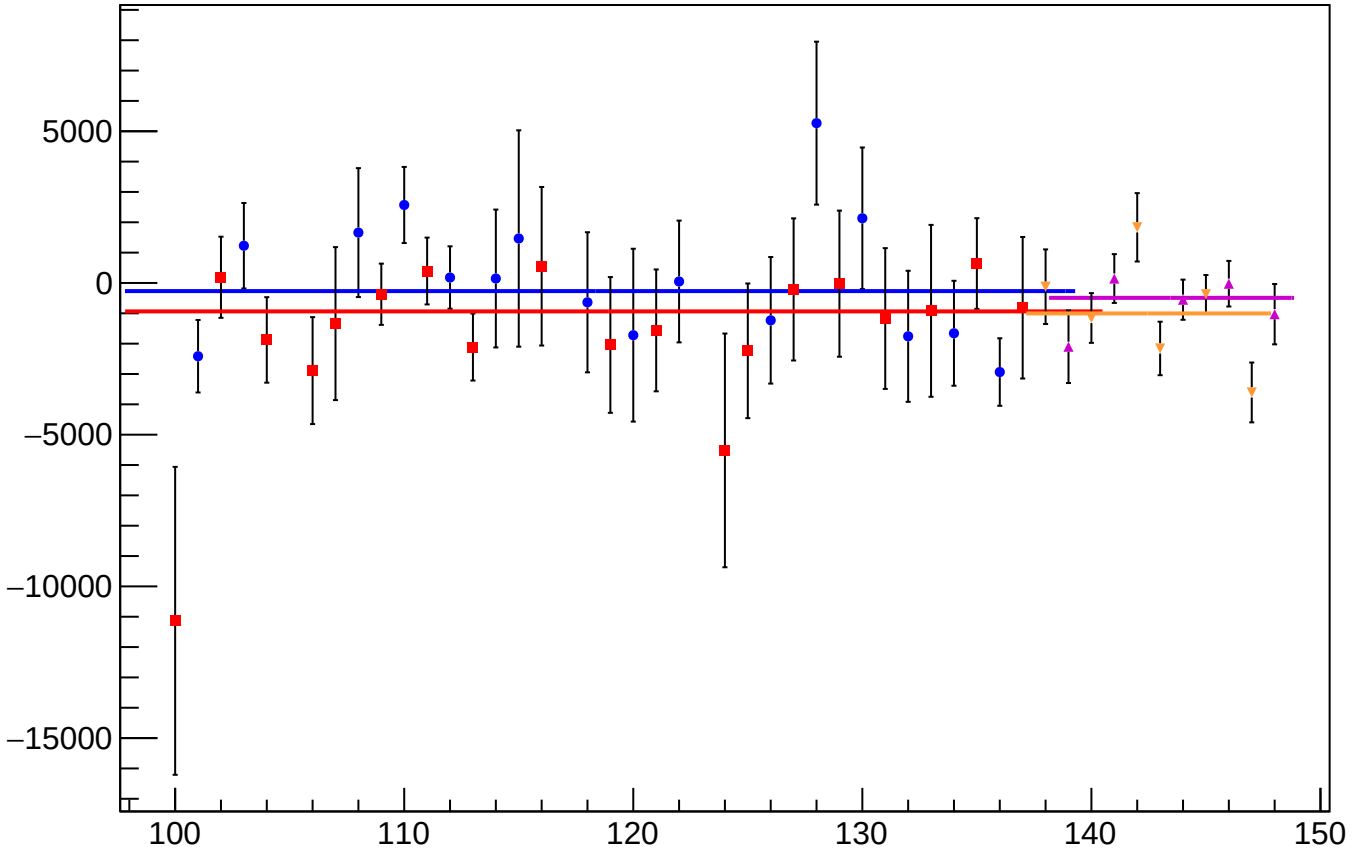
Left In: 107.195+/-0.037 χ^2/NDF:73650.3/4

+ sign 103.912+/-0.022 χ^2/NDF: 957837.0/21

All: 103.041+/-0.016 χ^2/NDF: 1942856.0/45

- sign 102.197+/-0.022 χ^2/NDF: 981979.7/23

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

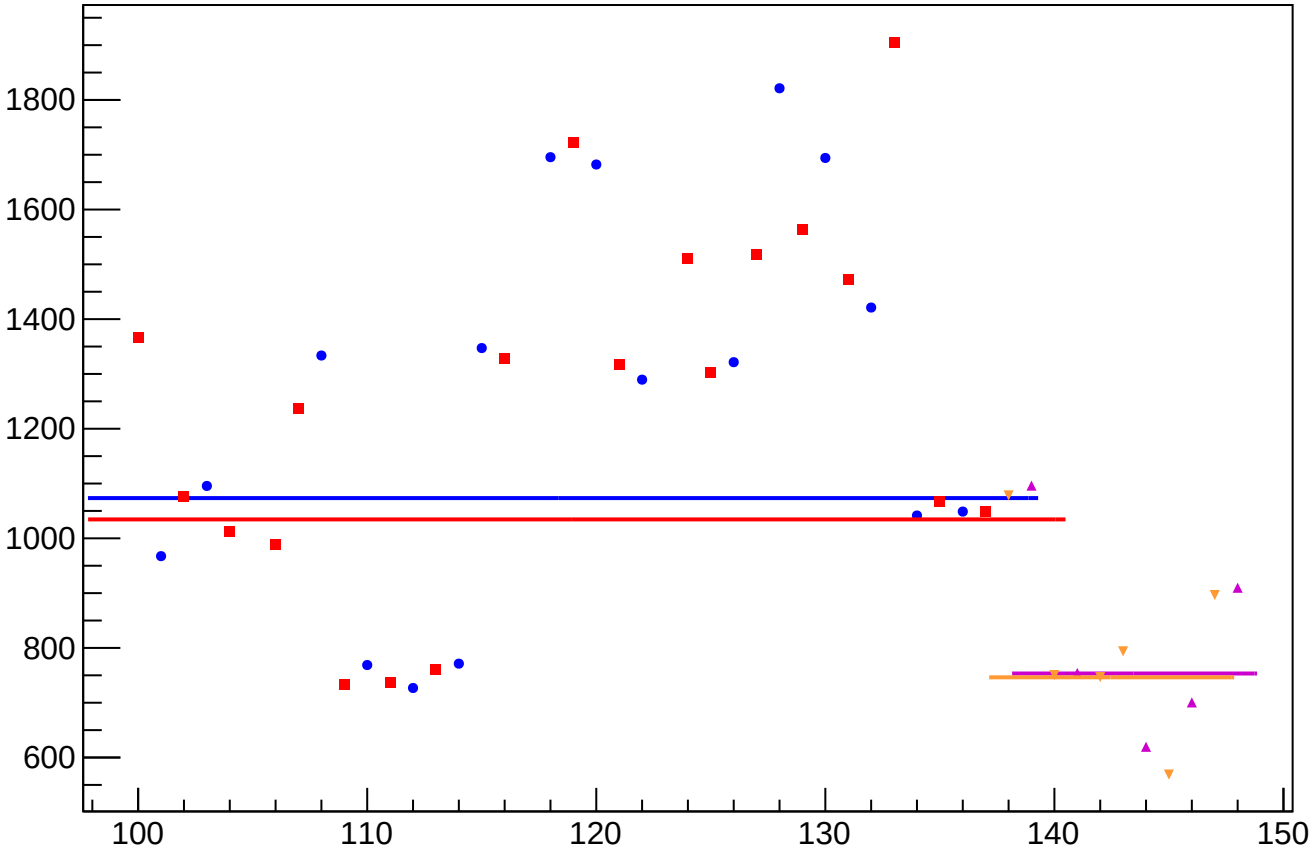
Left In: -490.563+/-369.747 χ^2/NDF:3.1/4

+ sign -690.298+/-272.247 χ^2/NDF: 41.8/21

All: -694.296+/-191.826 χ^2/NDF: 58.8/45

- sign -698.238+/-270.330 χ^2/NDF: 16.9/23

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

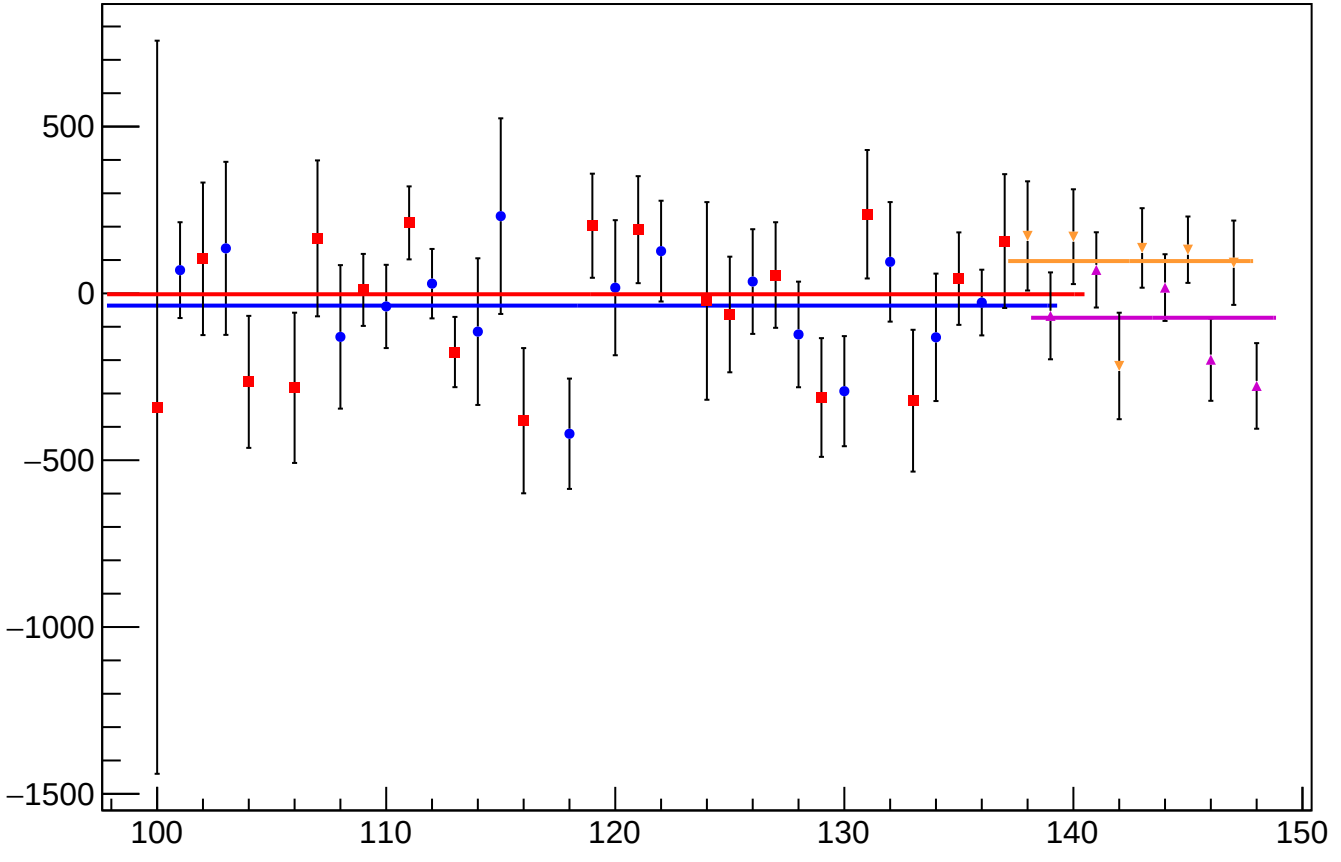
Left In: 753.340+/-0.261 χ^2/NDF:305456.6/4

+ sign 885.732+/-0.193 χ^2/NDF: 2137800.6/21

All: 884.973+/-0.136 χ^2/NDF: 4211052.6/45

- sign 884.225+/-0.191 χ^2/NDF: 2073221.1/23

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

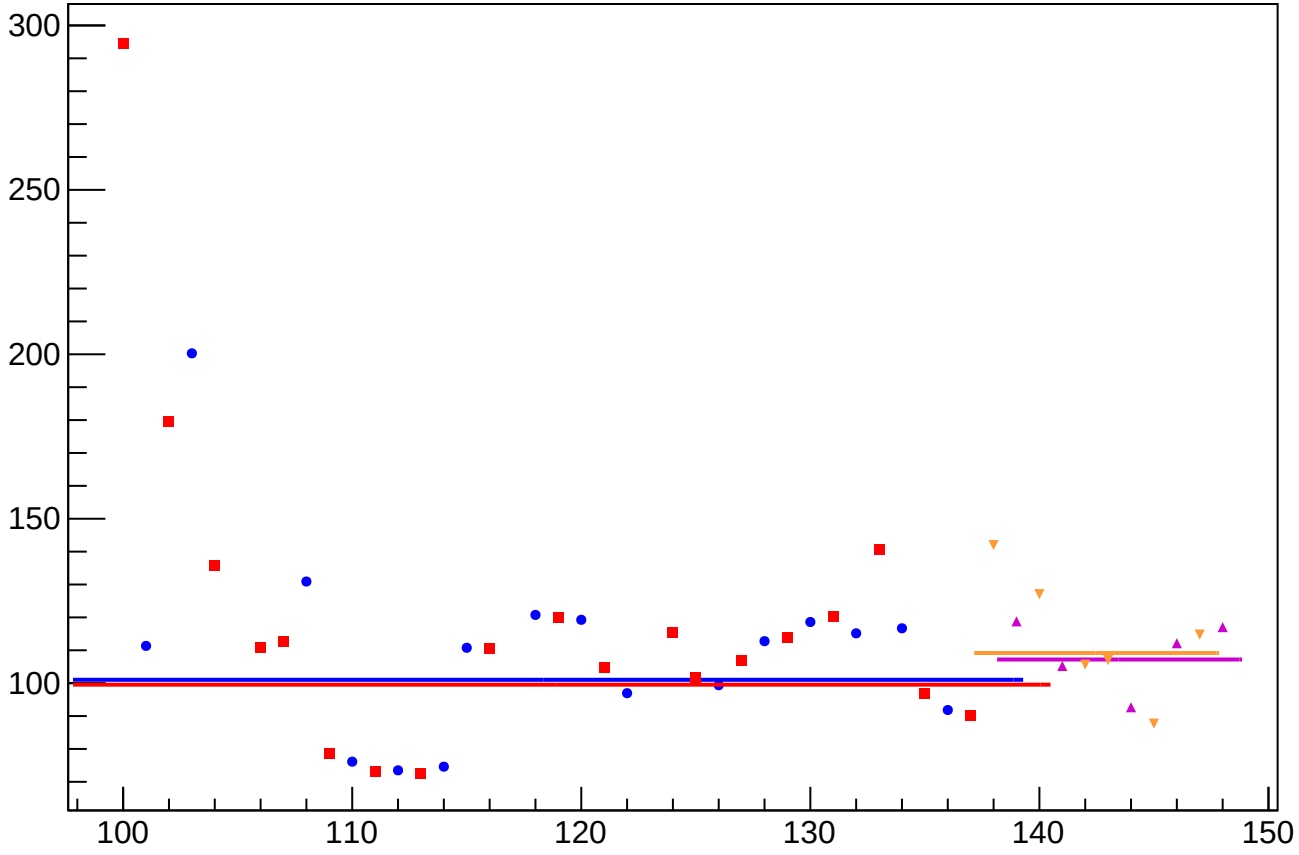
Left In: -73.027+/-52.406 χ^2/NDF:6.0/4

+ sign 10.631+/-31.343 χ^2/NDF: 21.6/21

All: -8.474+/-21.987 χ^2/NDF: 54.3/45

- sign -26.985+/-30.851 χ^2/NDF: 31.9/23

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

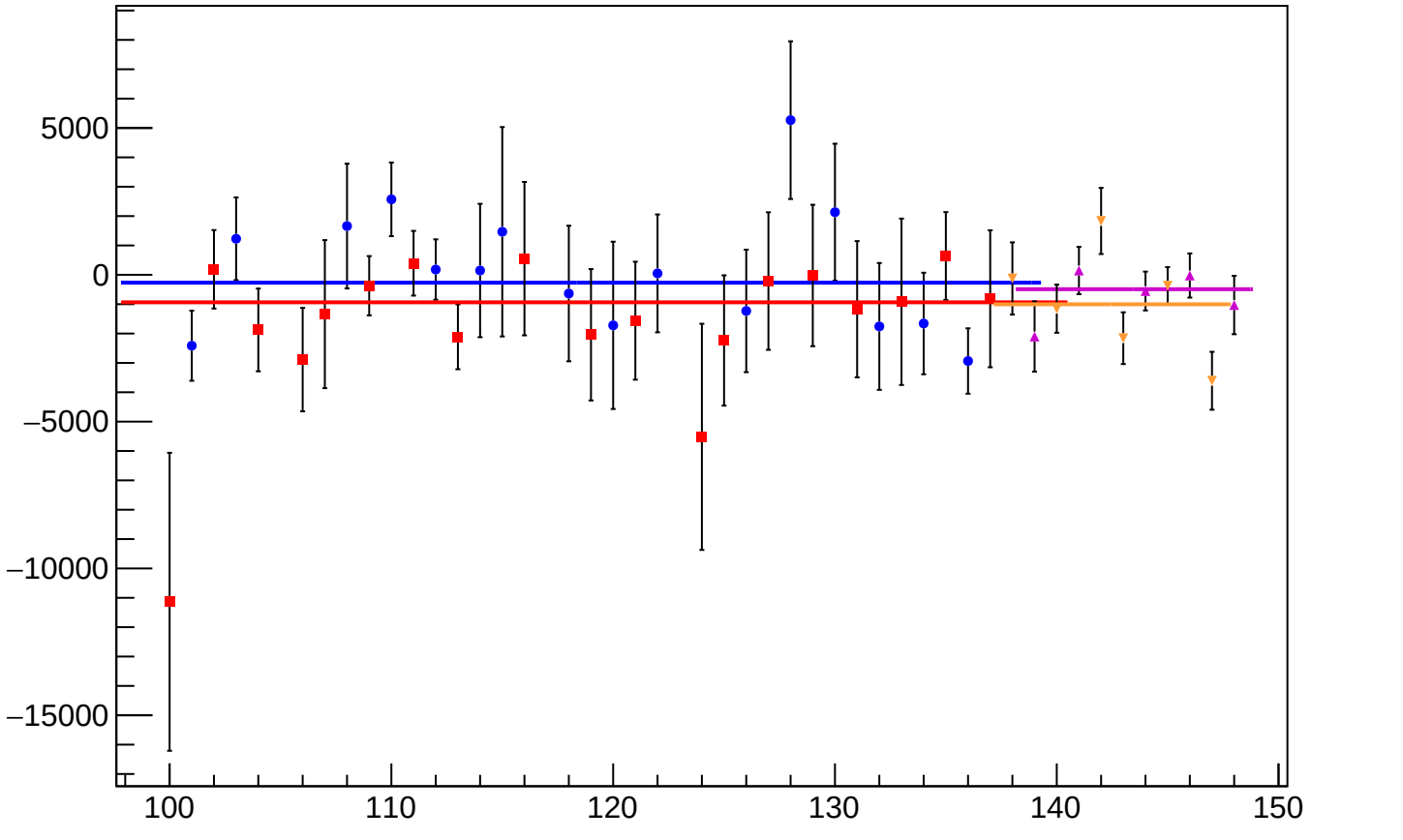
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 107.195+/-0.037 χ^2/NDF:73647.9/4

+ sign 103.912+/-0.022 χ^2/NDF: 957830.7/21

All: 103.041+/-0.016 χ^2/NDF: 1942851.4/45

- sign 102.198+/-0.022 χ^2/NDF: 981981.3/23



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

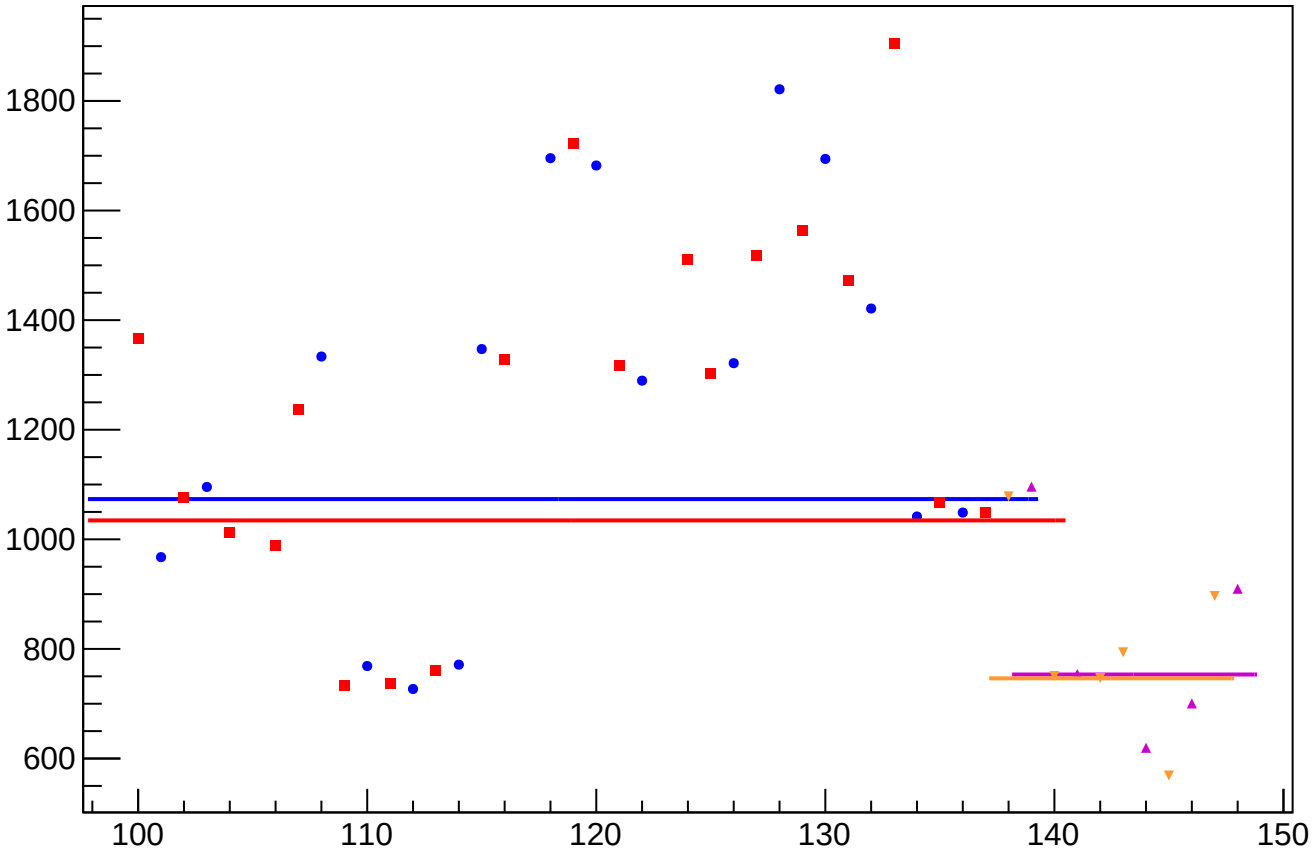
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -490.563+/-369.746 χ^2/NDF:3.1/4

+ sign -690.298+/-272.247 χ^2/NDF: 41.8/21

All: -694.296+/-191.826 χ^2/NDF: 58.8/45

- sign -698.237+/-270.329 χ^2/NDF: 16.9/23



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

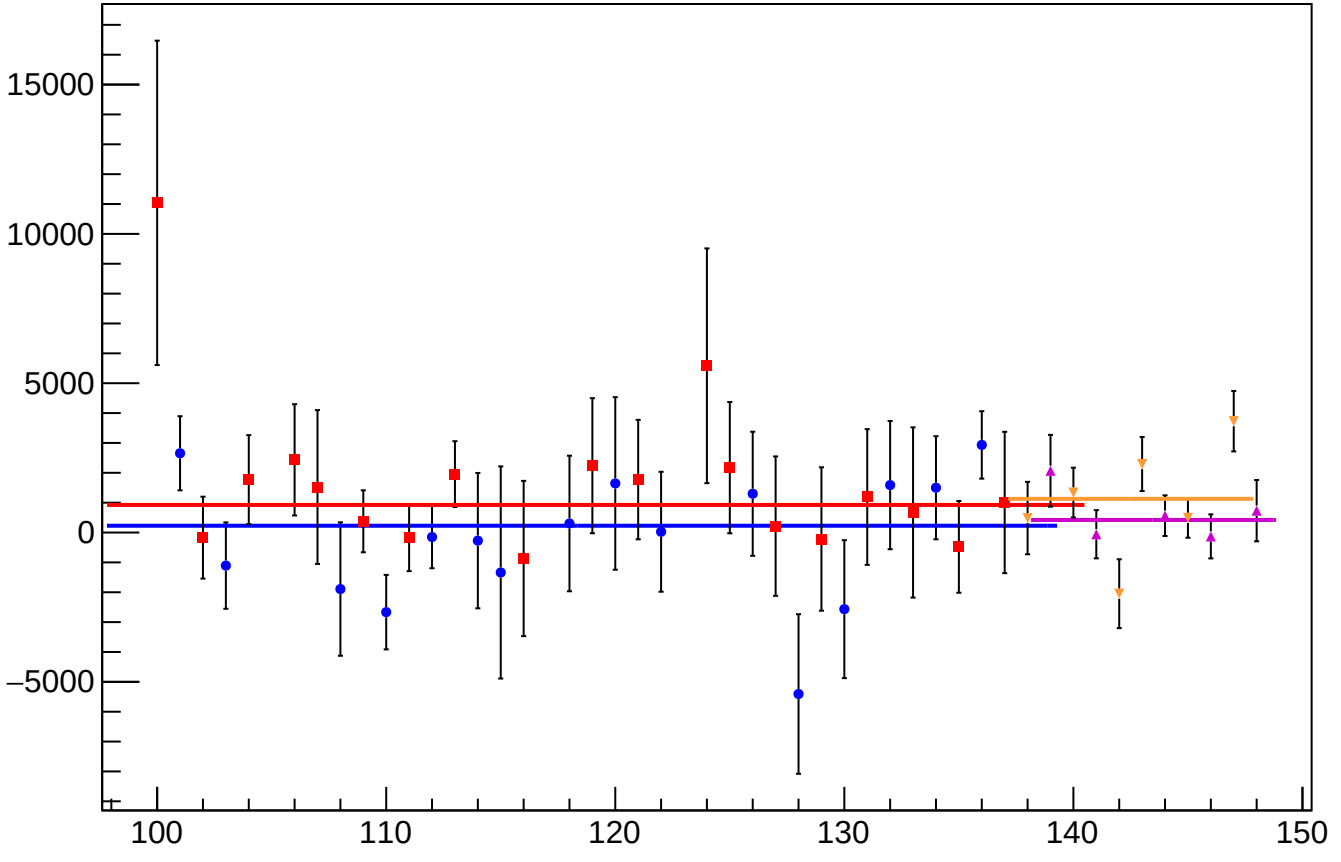
Left In: 753.339+/-0.261 χ^2/NDF:305457.5/4

+ sign 885.731+/-0.193 χ^2/NDF: 2137808.8/21

All: 884.972+/-0.136 χ^2/NDF: 4211061.9/45

- sign 884.224+/-0.191 χ^2/NDF: 2073222.3/23

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

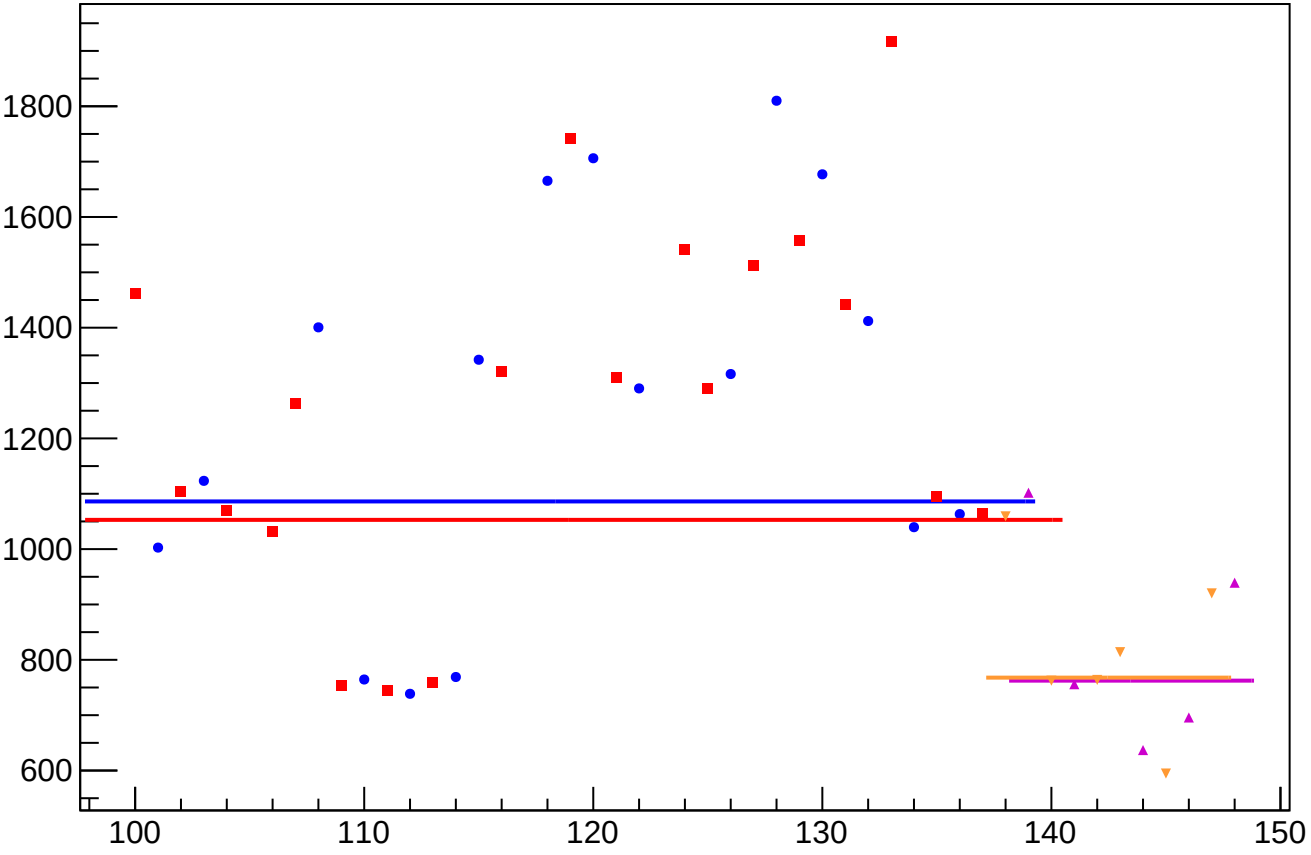
Left In: 420.903+/-373.433 χ^2/NDF:2.9/4

+ sign 736.861+/-277.887 χ^2/NDF: 44.1/21

All: 694.380+/-195.088 χ^2/NDF: 59.1/45

- sign 653.096+/-273.946 χ^2/NDF: 14.9/23

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

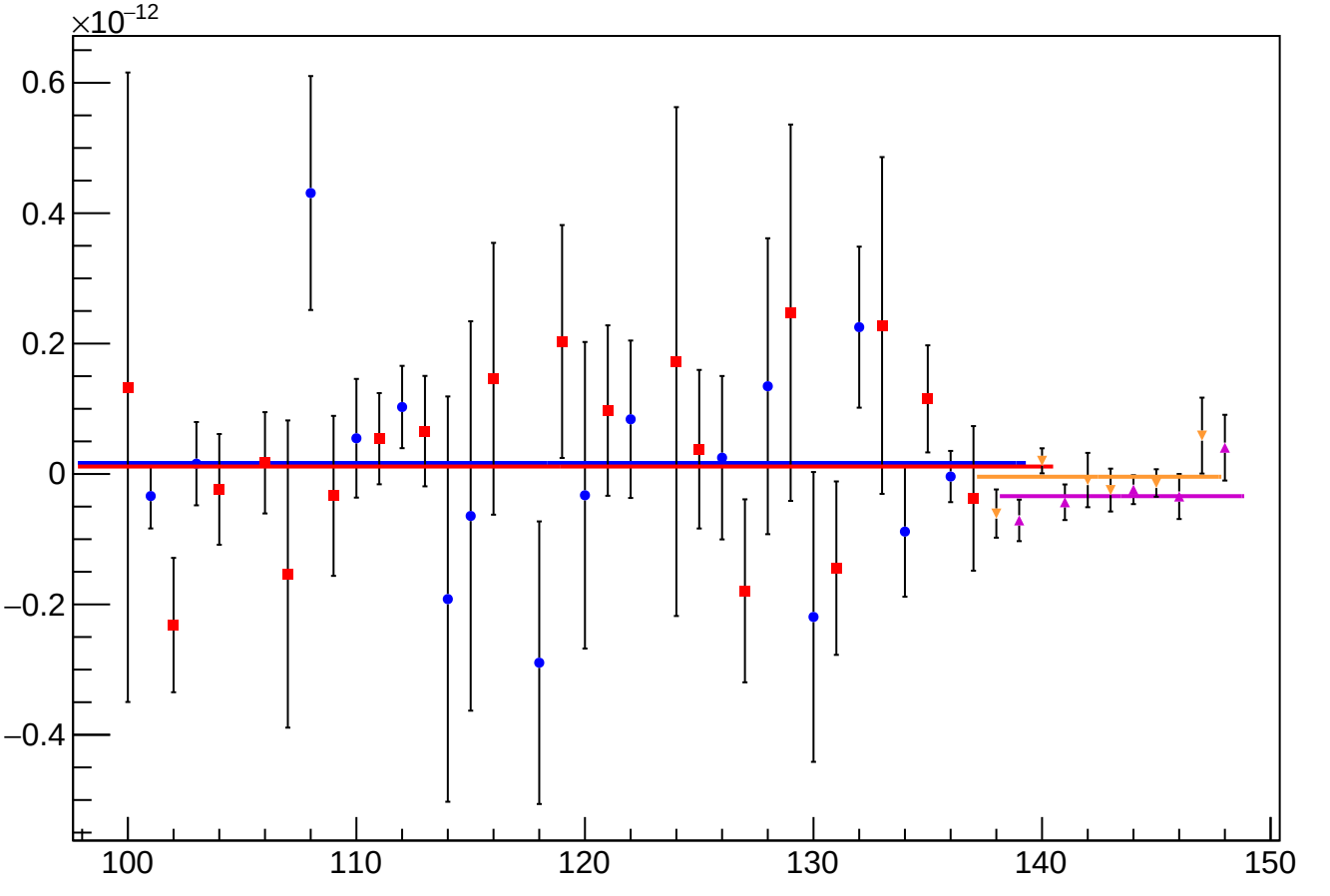
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 762.401+/-0.264 χ^2/NDF:303200.2/4

+ sign 905.966+/-0.196 χ^2/NDF: 1993834.2/21

All: 901.183+/-0.138 χ^2/NDF: 4051335.0/45

- sign 896.536+/-0.194 χ^2/NDF: 2056332.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

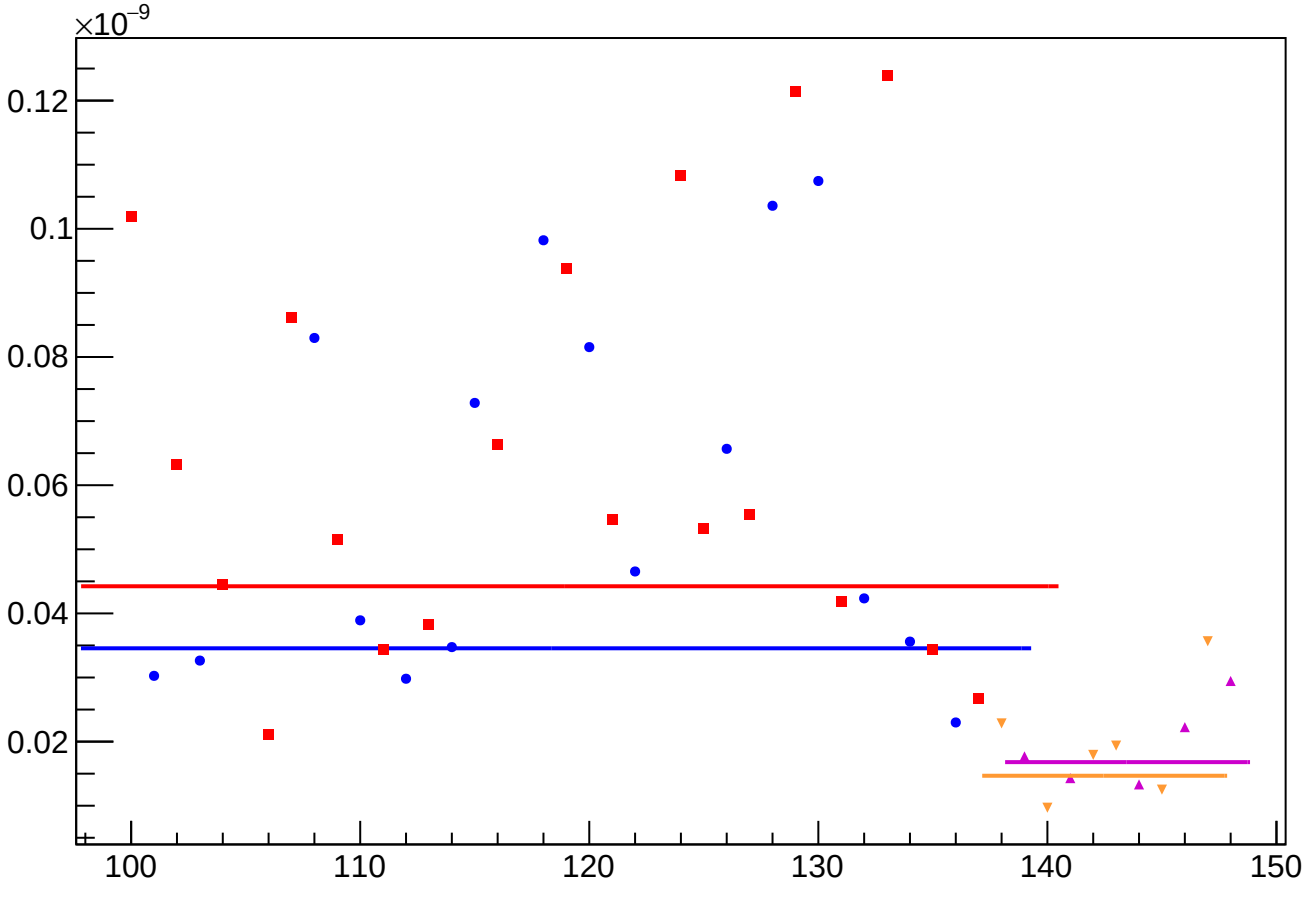
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/21

All: -0.000+/-0.000 χ^2/NDF: 47.9/45

- sign -0.000+/-0.000 χ^2/NDF: 22.0/23



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

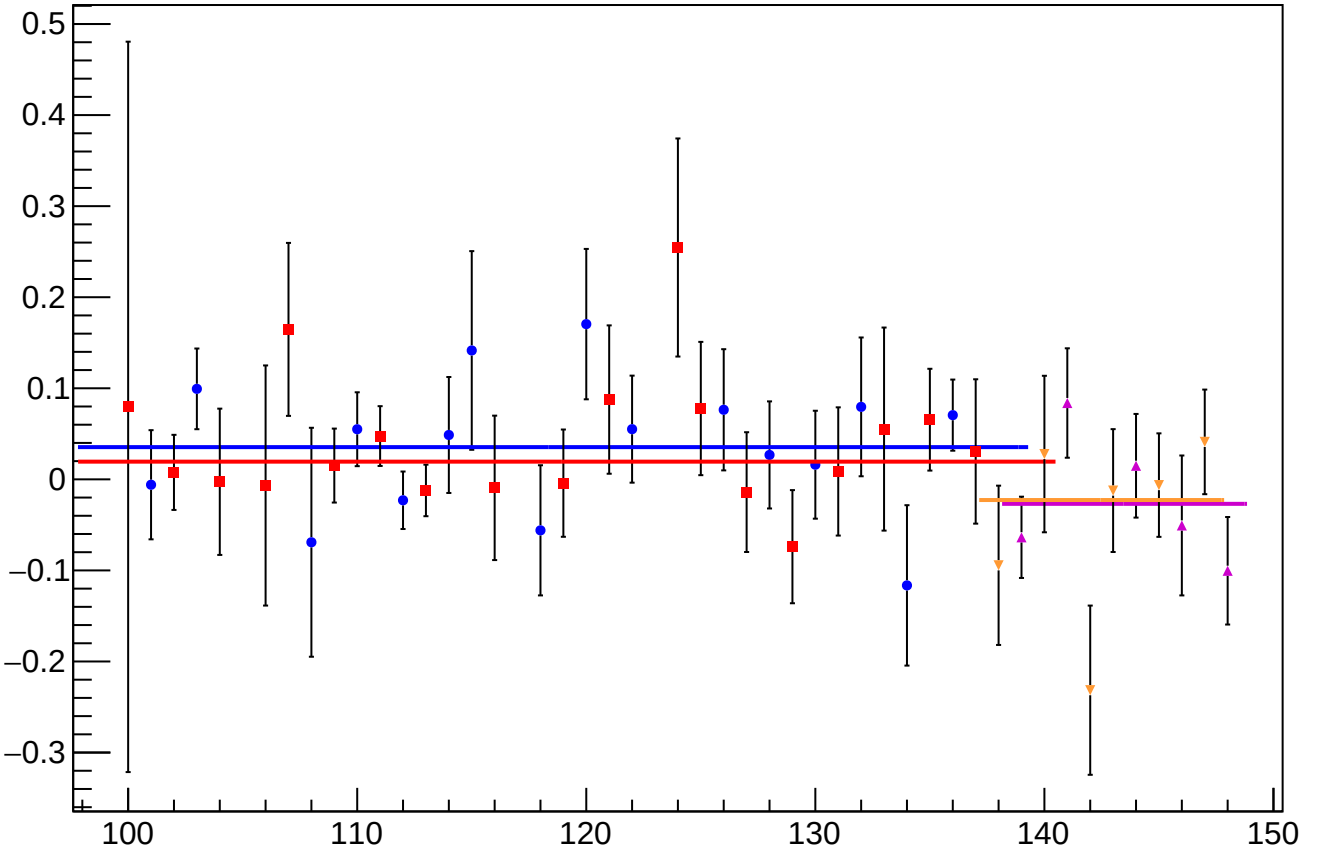
Left In: 0.000+/-0.000 χ^2/NDF:243691.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 3051500.1/21

All: 0.000+/-0.000 χ^2/NDF: 6120074.8/45

- sign 0.000+/-0.000 χ^2/NDF: 2985849.7/23

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

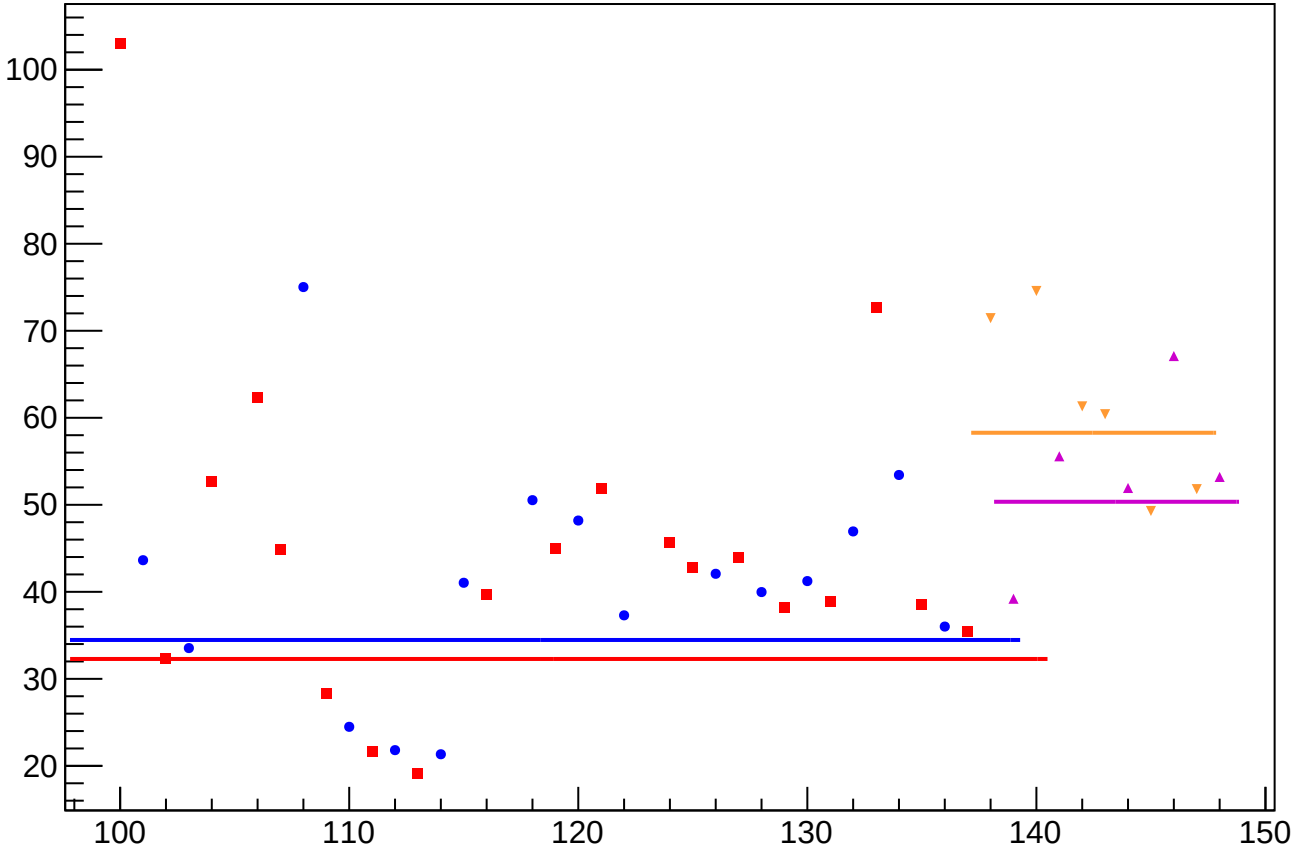
Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.017+/-0.009 χ^2/NDF: 50.7/45

- sign 0.010+/-0.012 χ^2/NDF: 22.3/23

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

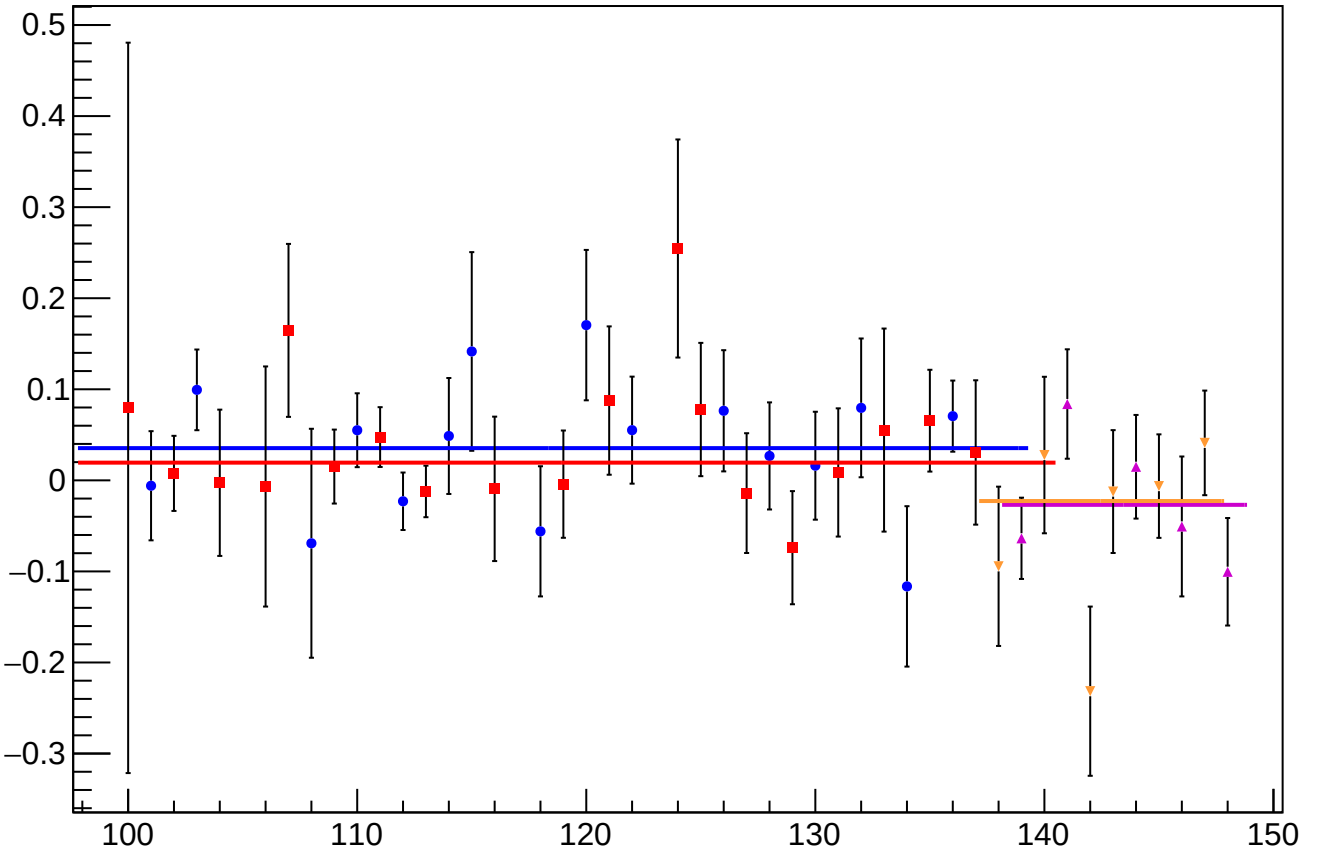
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

\+ sign 38.989+/-0.009 χ^2/NDF: 2483927.4/21

All: 37.433+/-0.006 χ^2/NDF: 5251692.1/45

\- sign 36.080+/-0.008 χ^2/NDF: 2709857.1/23



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

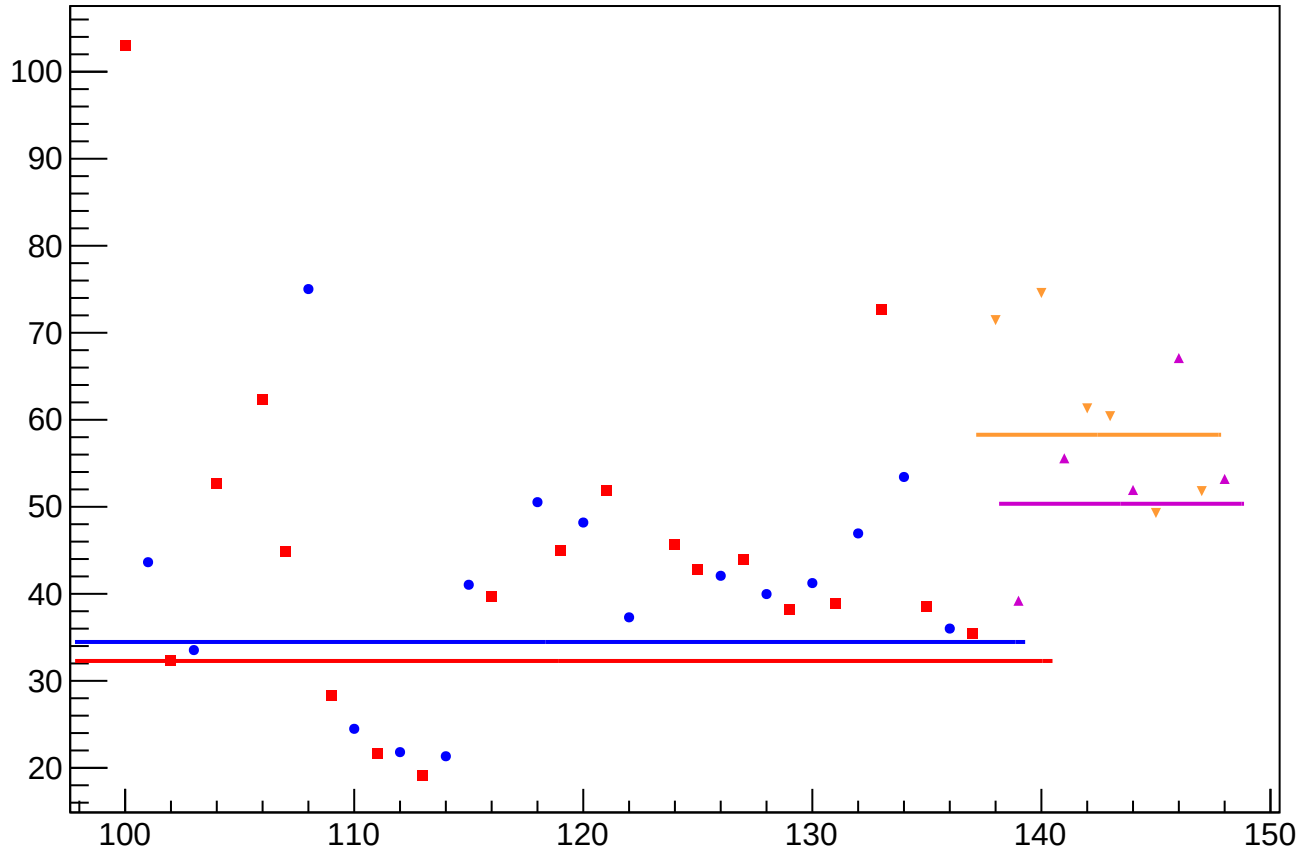
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.017+/-0.009 χ^2/NDF: 50.7/45

- sign 0.010+/-0.012 χ^2/NDF: 22.3/23



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 58.281+/-0.020 χ^2/NDF:196858.2/5

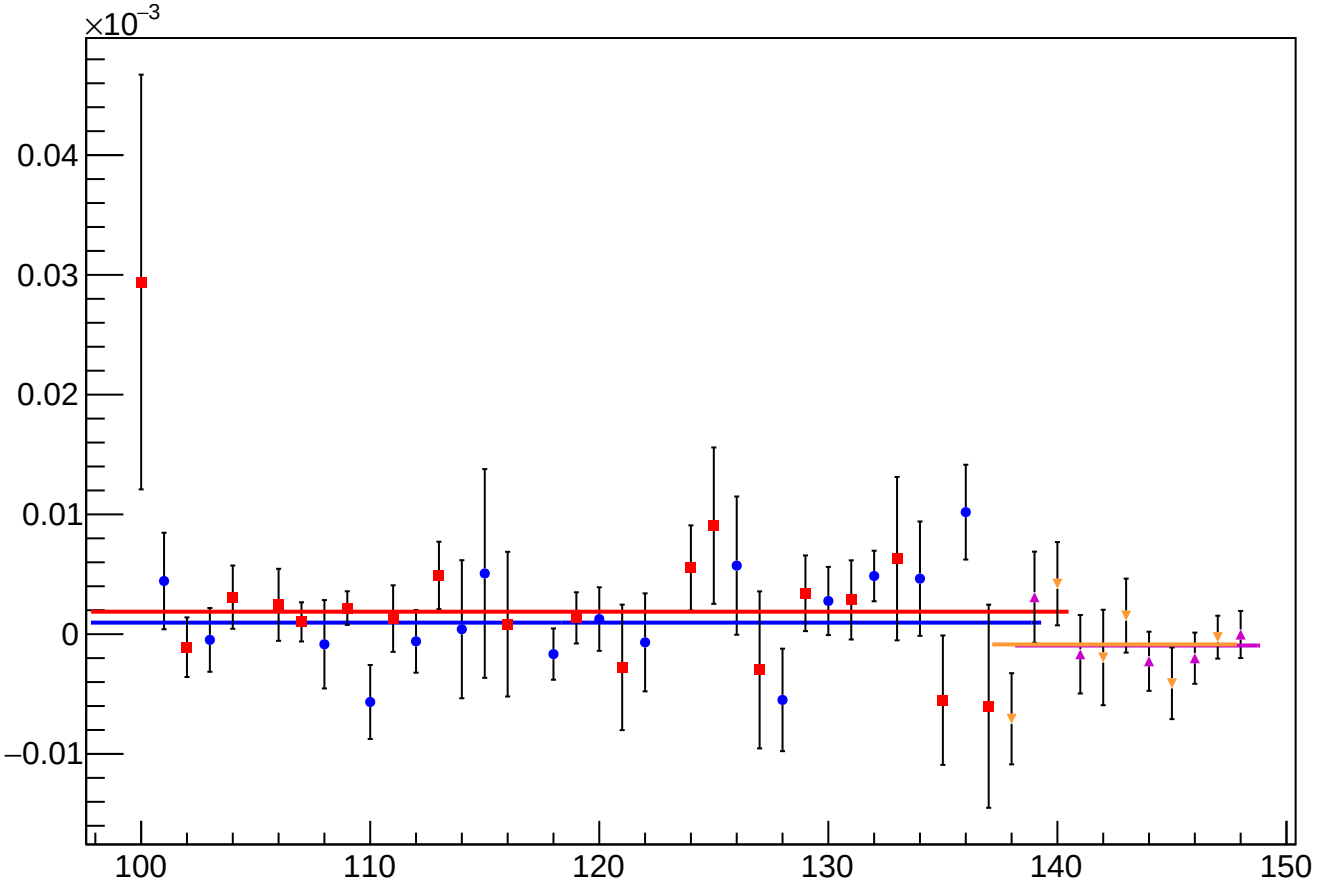
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

+ sign 38.989+/-0.009 χ^2/NDF: 2483927.4/21

All: 37.433+/-0.006 χ^2/NDF: 5251692.1/45

- sign 36.080+/-0.008 χ^2/NDF: 2709857.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/5

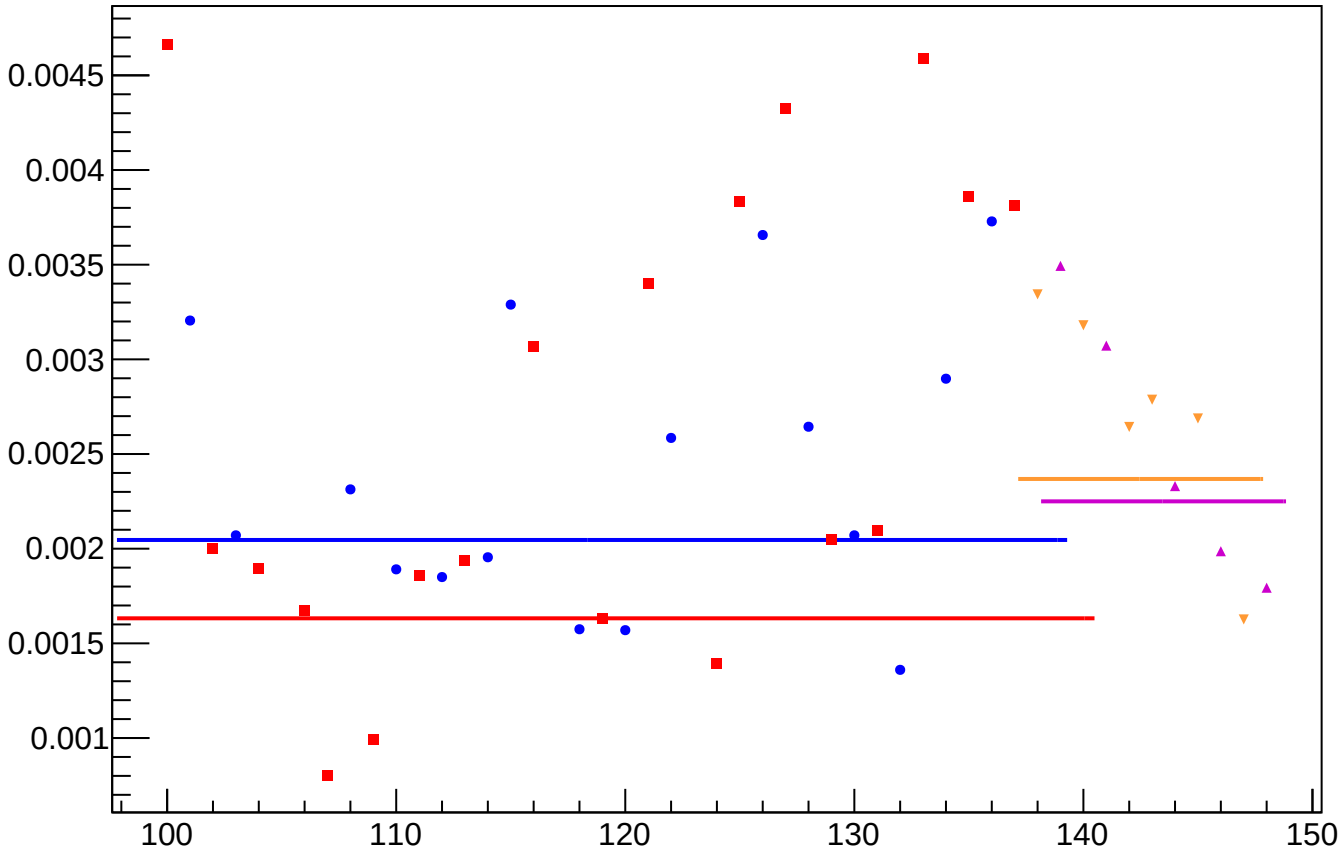
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/21

All: 0.000+/-0.000 χ^2/NDF: 49.6/45

- sign 0.000+/-0.000 χ^2/NDF: 19.5/23



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:652650.1/5

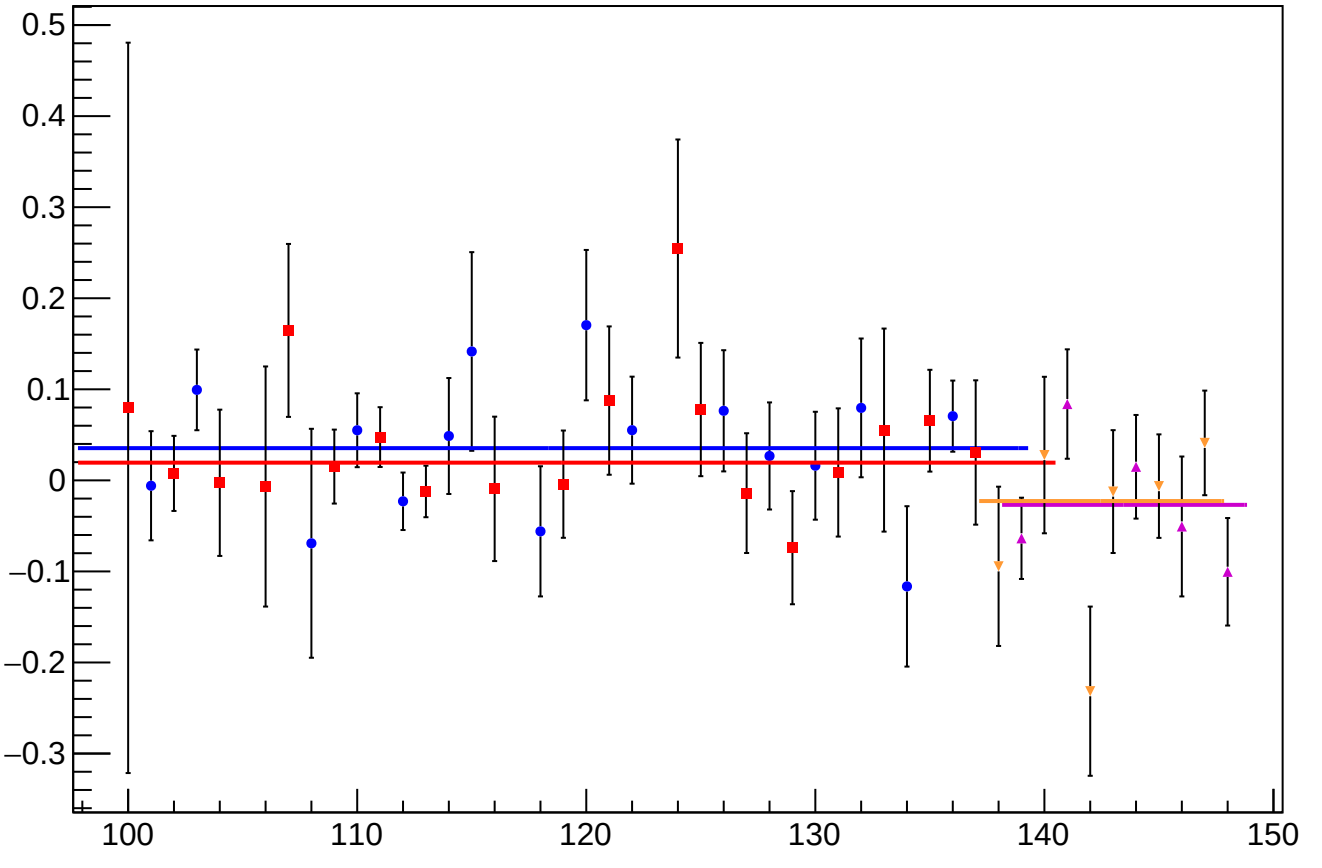
Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:479623.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 2017004.9/21

All: 0.002+/-0.000 χ^2/NDF: 6204015.1/45

- sign 0.002+/-0.000 χ^2/NDF: 3859288.0/23



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

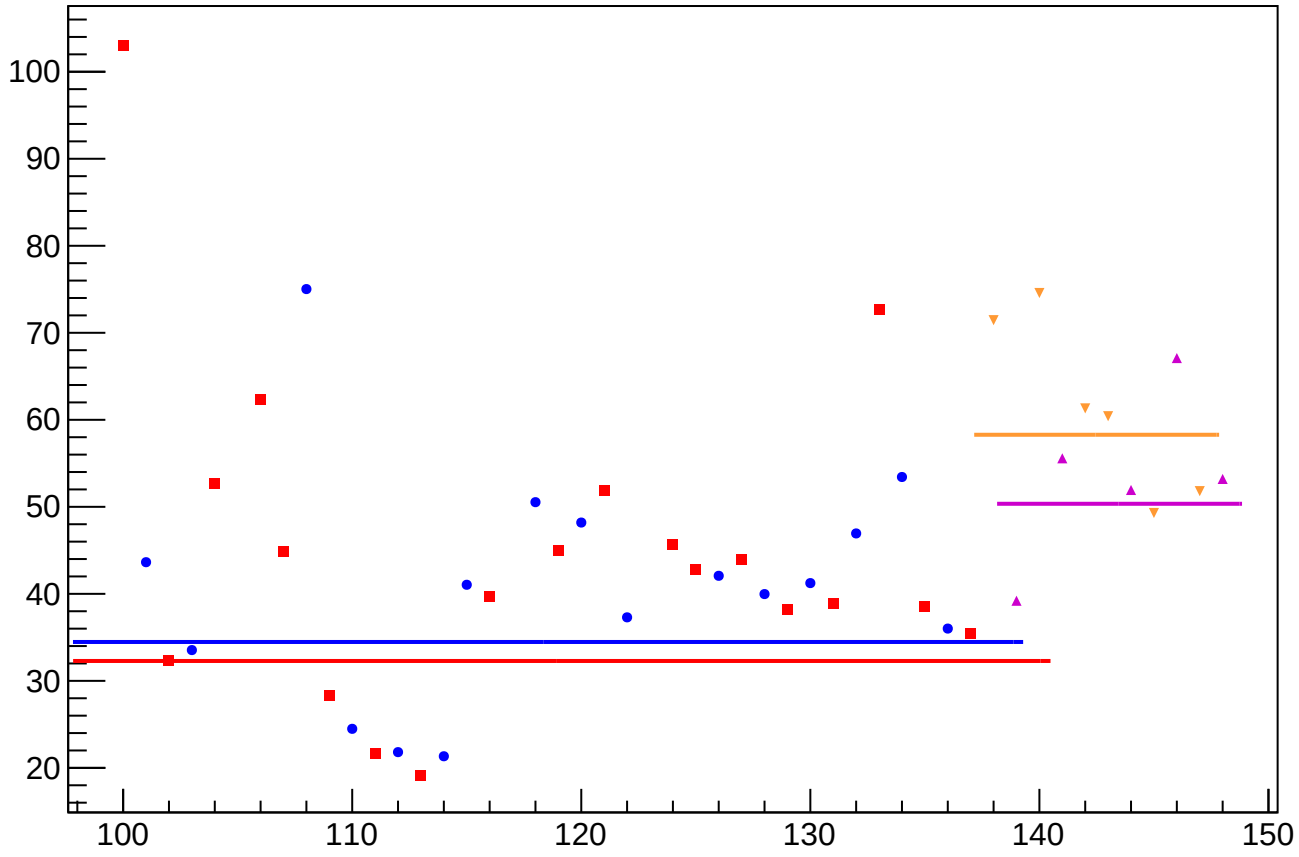
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.017+/-0.009 χ^2/NDF: 50.7/45

- sign 0.010+/-0.012 χ^2/NDF: 22.3/23



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 58.282+/-0.020 χ^2/NDF:196844.1/5

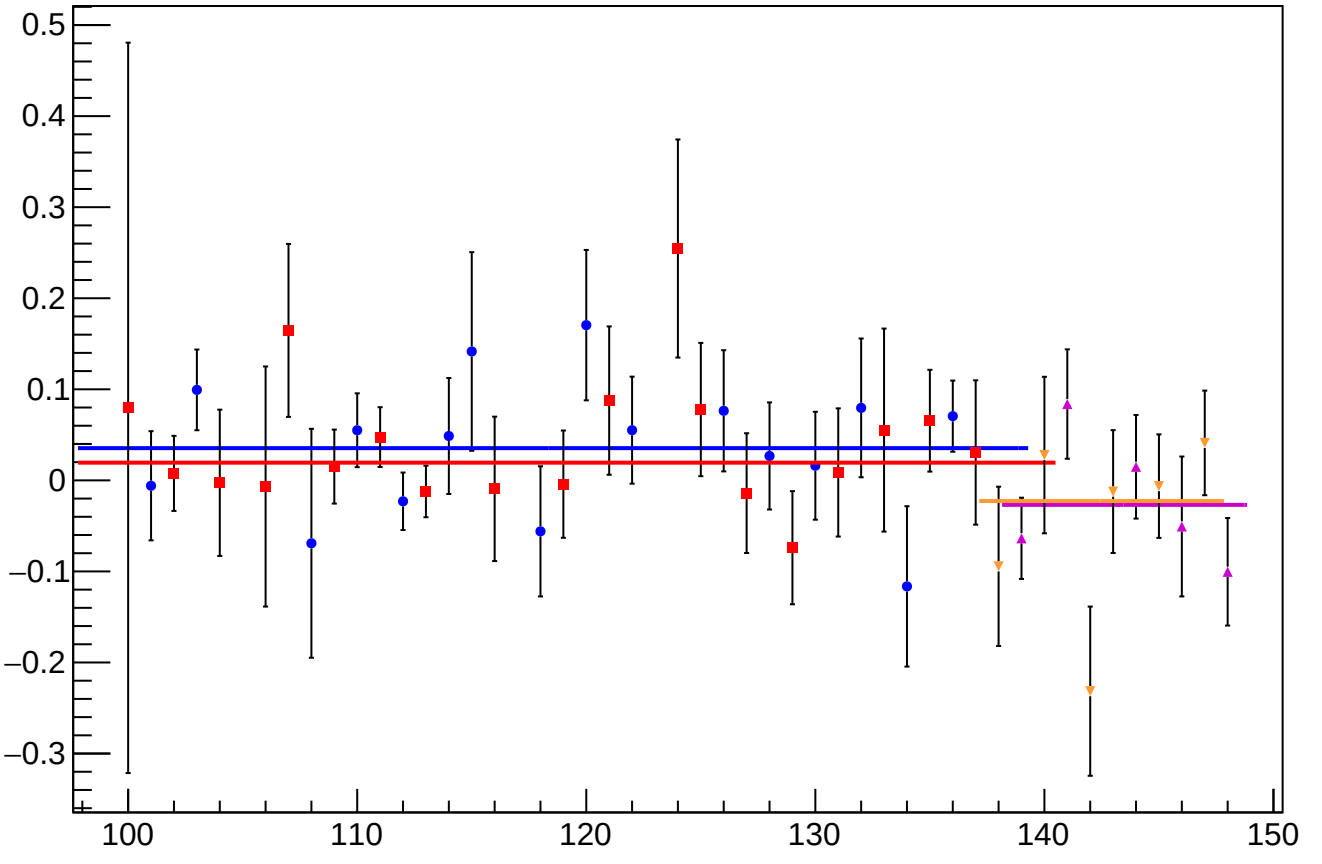
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.350+/-0.018 χ^2/NDF:241107.1/4

+ sign 38.990+/-0.009 χ^2/NDF: 2483887.7/21

All: 37.434+/-0.006 χ^2/NDF: 5251628.4/45

- sign 36.080+/-0.008 χ^2/NDF: 2709833.2/23



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

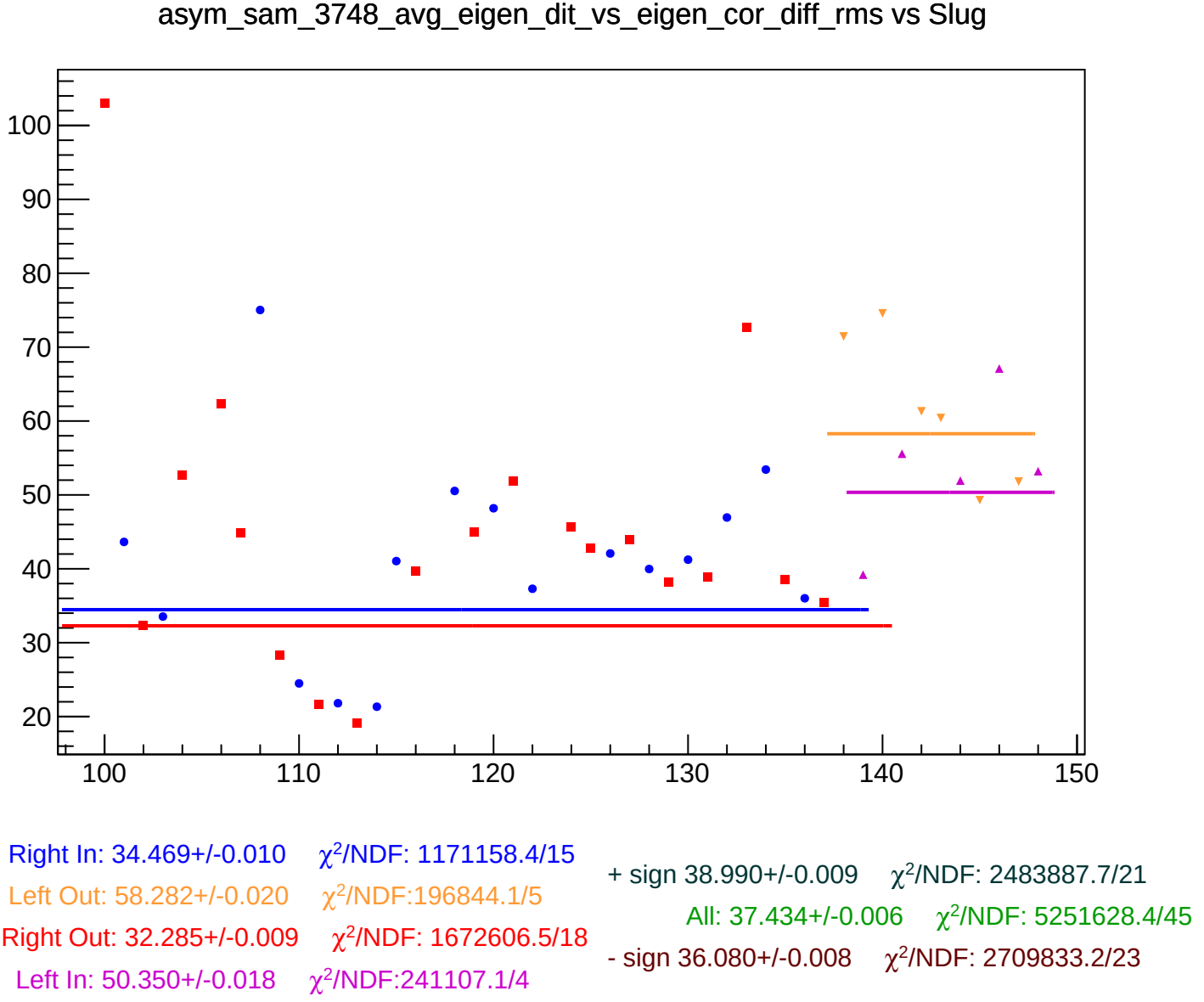
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.013 χ^2/NDF: 27.7/21

All: 0.017+/-0.009 χ^2/NDF: 50.7/45

- sign 0.010+/-0.012 χ^2/NDF: 22.3/23


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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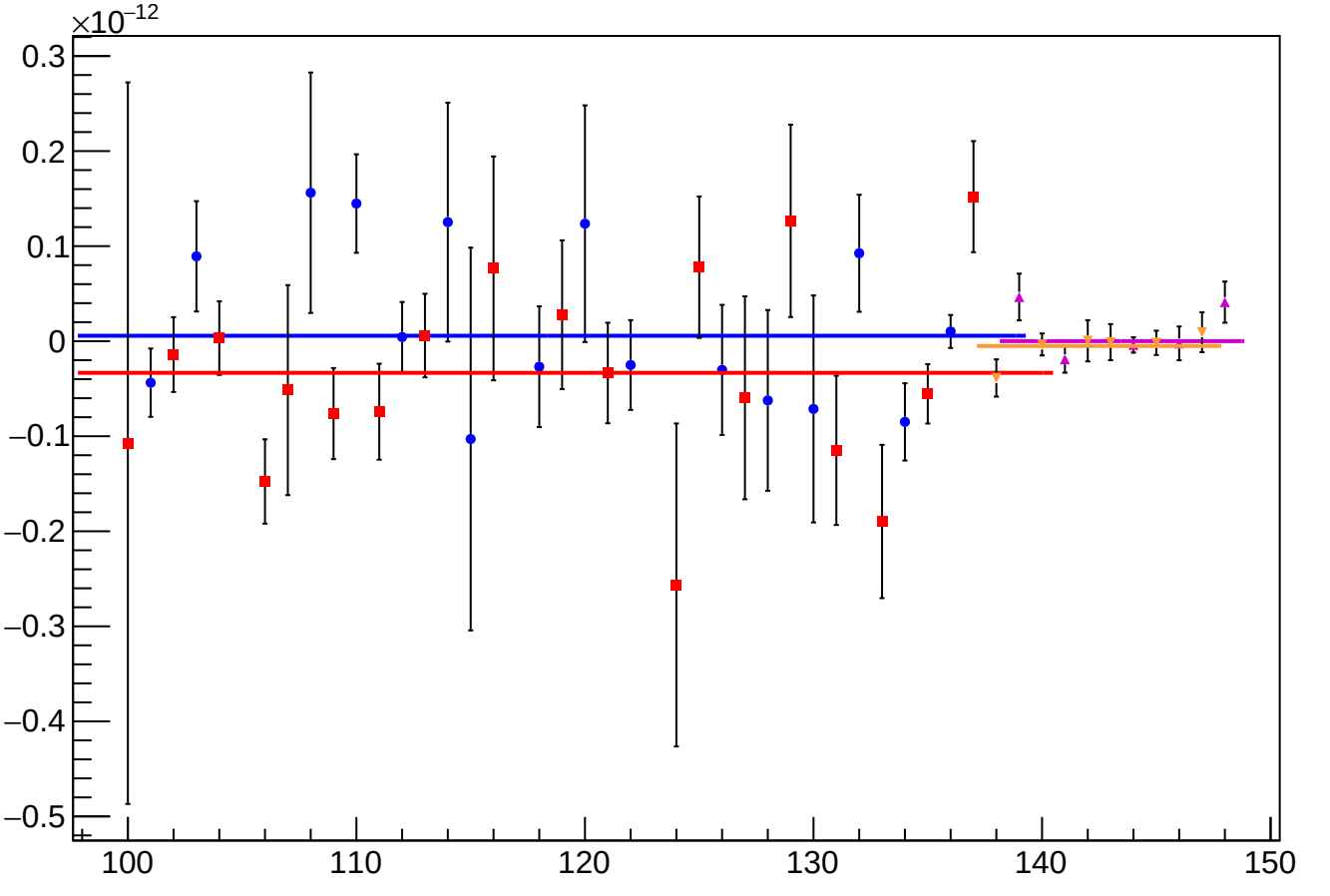
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 58.282+/-0.020 χ²/NDF:196844.1/5
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.350+/-0.018 χ²/NDF:241107.1/4
+ sign 38.990+/-0.009 χ²/NDF: 2483887.7/21
All: 37.434+/-0.006 χ²/NDF: 5251628.4/45
- sign 36.080+/-0.008 χ²/NDF: 2709833.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

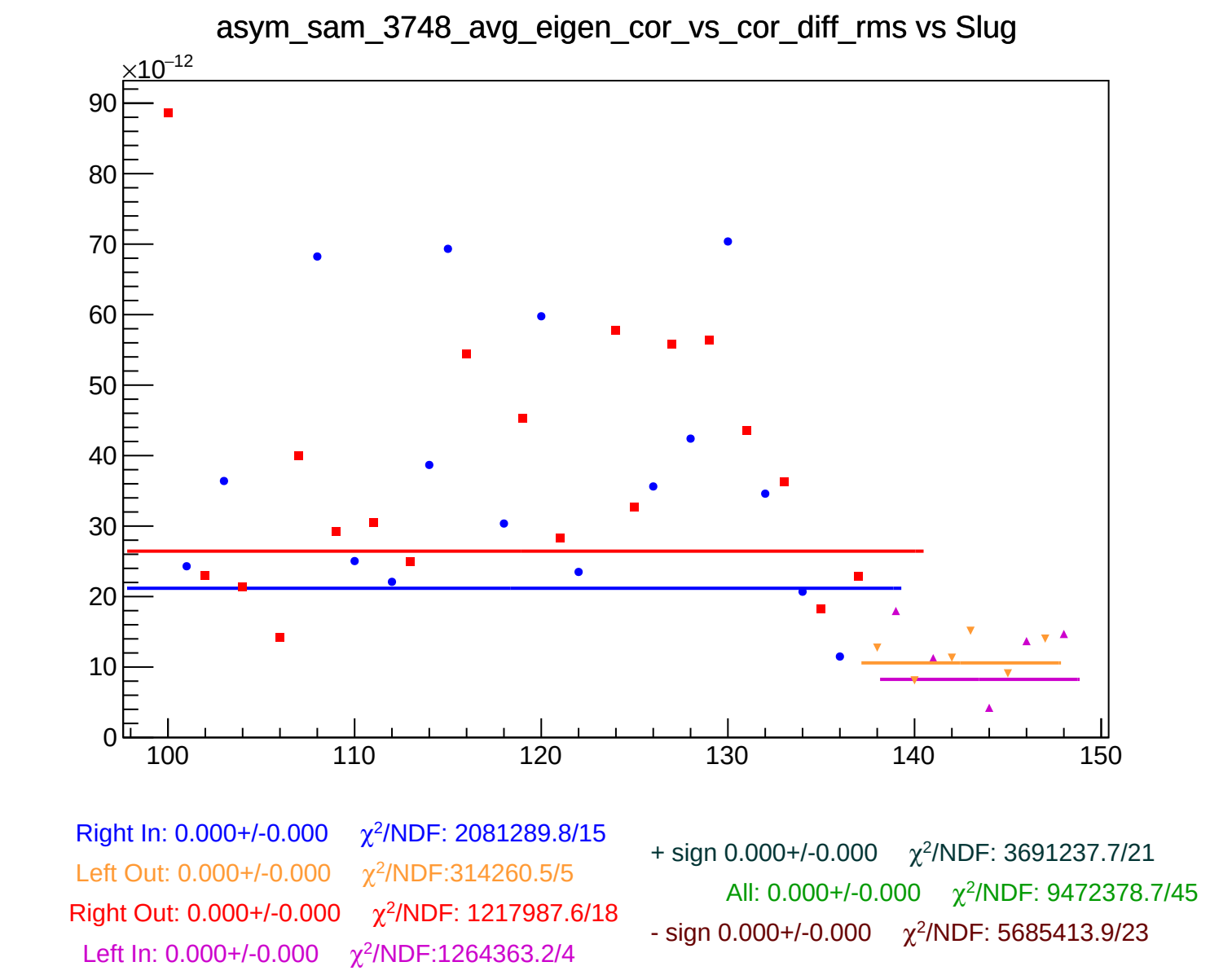
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/21

All: -0.000+/-0.000 χ^2/NDF: 76.1/45

- sign -0.000+/-0.000 χ^2/NDF: 48.1/23


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
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70
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50
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30
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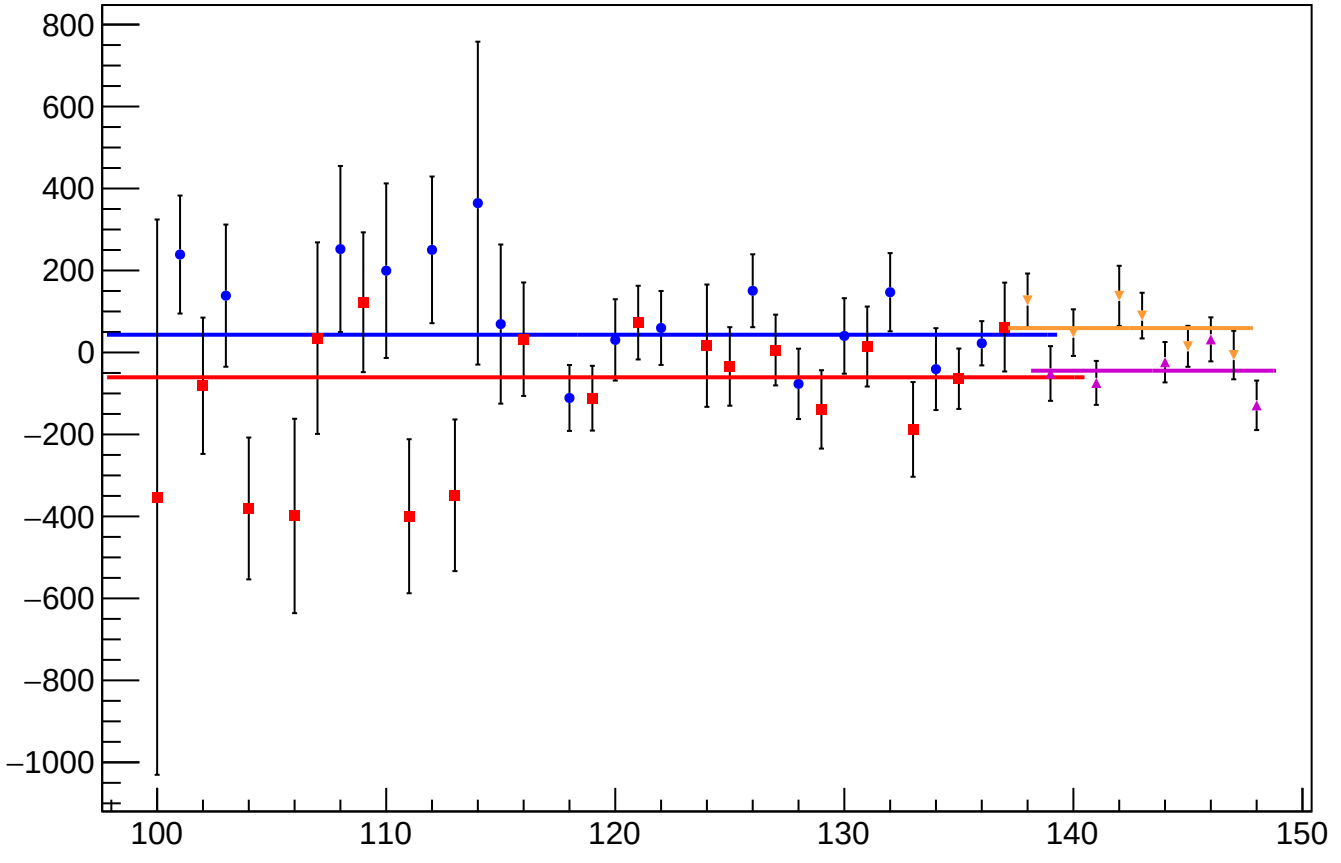
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:314260.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1264363.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3691237.7/21
All: 0.000+/-0.000 χ²/NDF: 9472378.7/45
- sign 0.000+/-0.000 χ²/NDF: 5685413.9/23

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

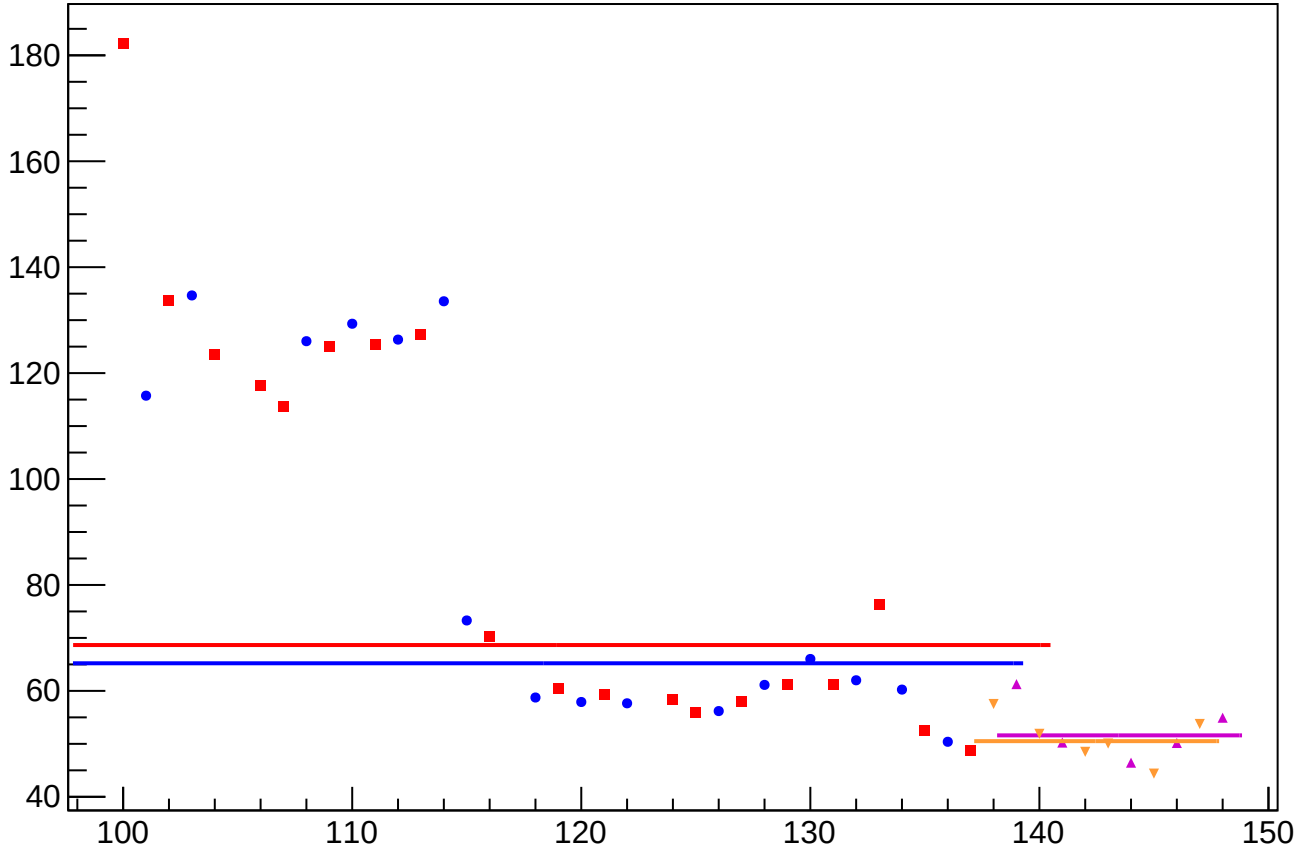
Left In: -44.496+/-24.963 χ^2/NDF:4.5/4

+ sign 51.917+/-17.572 χ^2/NDF: 19.7/21

All: 2.084+/-12.674 χ^2/NDF: 61.6/45

- sign -51.941+/-18.296 χ^2/NDF: 25.1/23

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

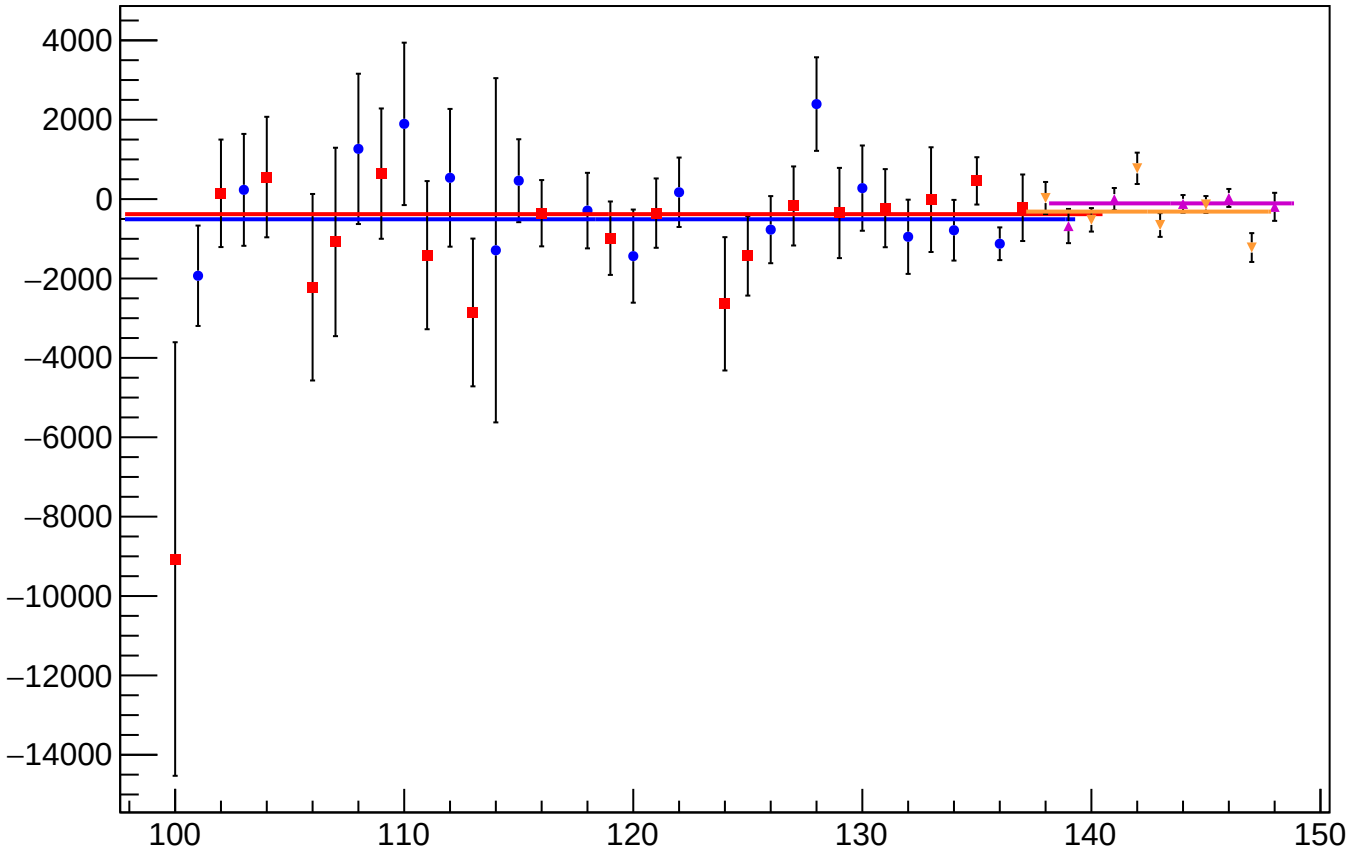
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

+ sign 57.341+/-0.012 χ^2/NDF: 1856453.0/21

All: 58.374+/-0.009 χ^2/NDF: 4016555.9/45

- sign 59.495+/-0.013 χ^2/NDF: 2145675.3/23



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

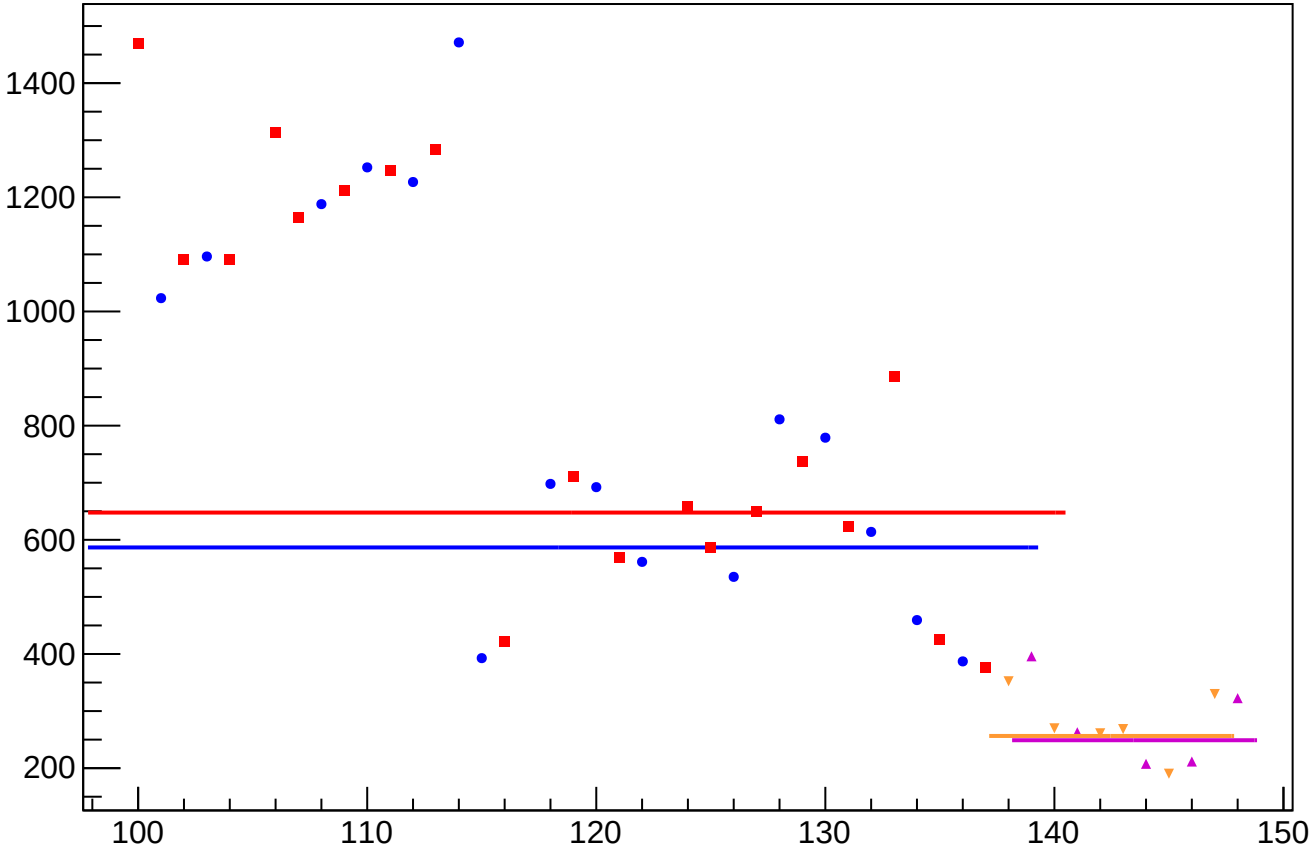
Left In: -107.589+/-123.342 χ^2/NDF:2.3/4

+ sign -356.235+/-110.041 χ^2/NDF: 33.2/21

All: -258.395+/-78.200 χ^2/NDF: 49.7/45

- sign -158.571+/-111.151 χ^2/NDF: 15.0/23

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

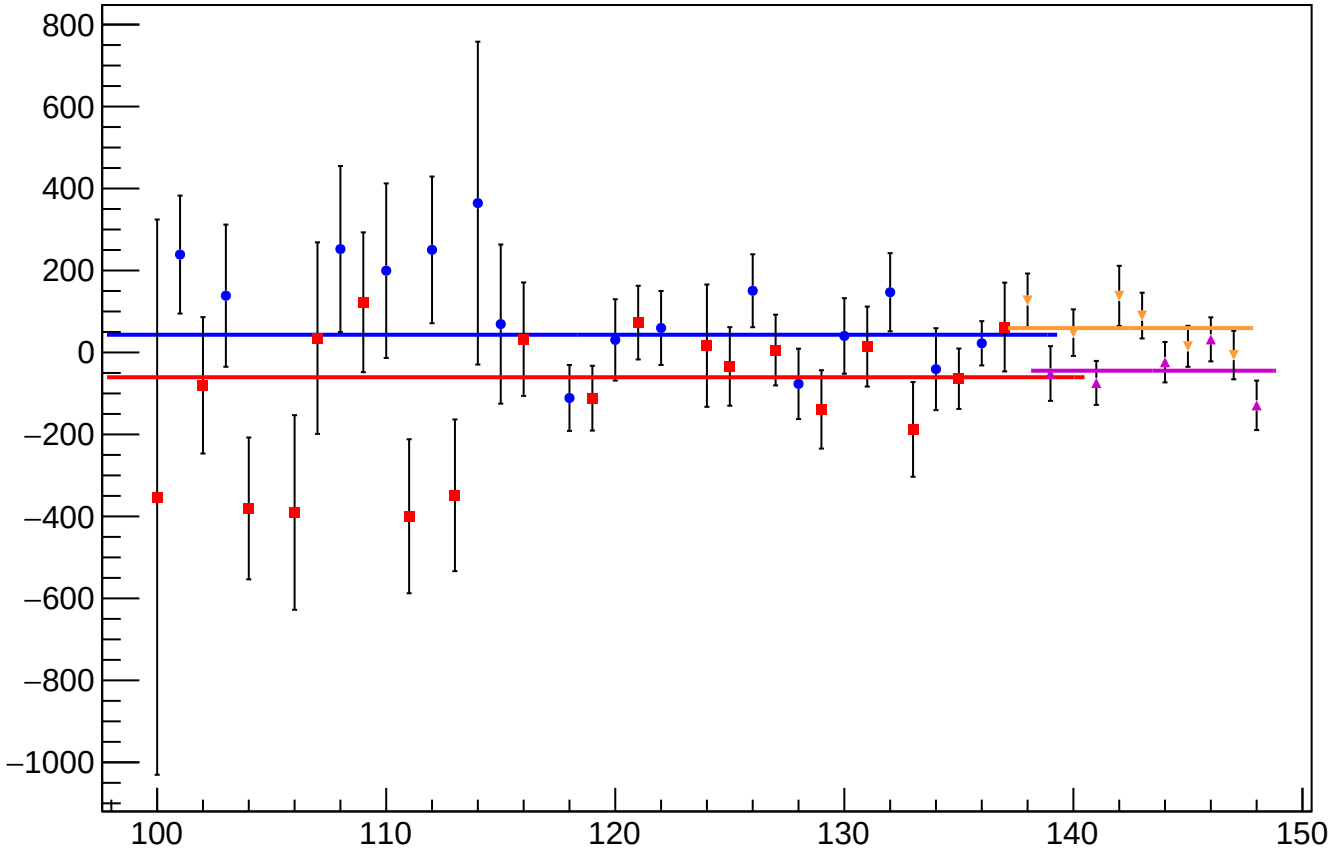
Left In: 248.935+/-0.087 χ^2/NDF:447844.6/4

+ sign 327.658+/-0.078 χ^2/NDF: 5493989.7/21

All: 325.786+/-0.055 χ^2/NDF: 11977650.5/45

- sign 323.876+/-0.079 χ^2/NDF: 6482491.6/23

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

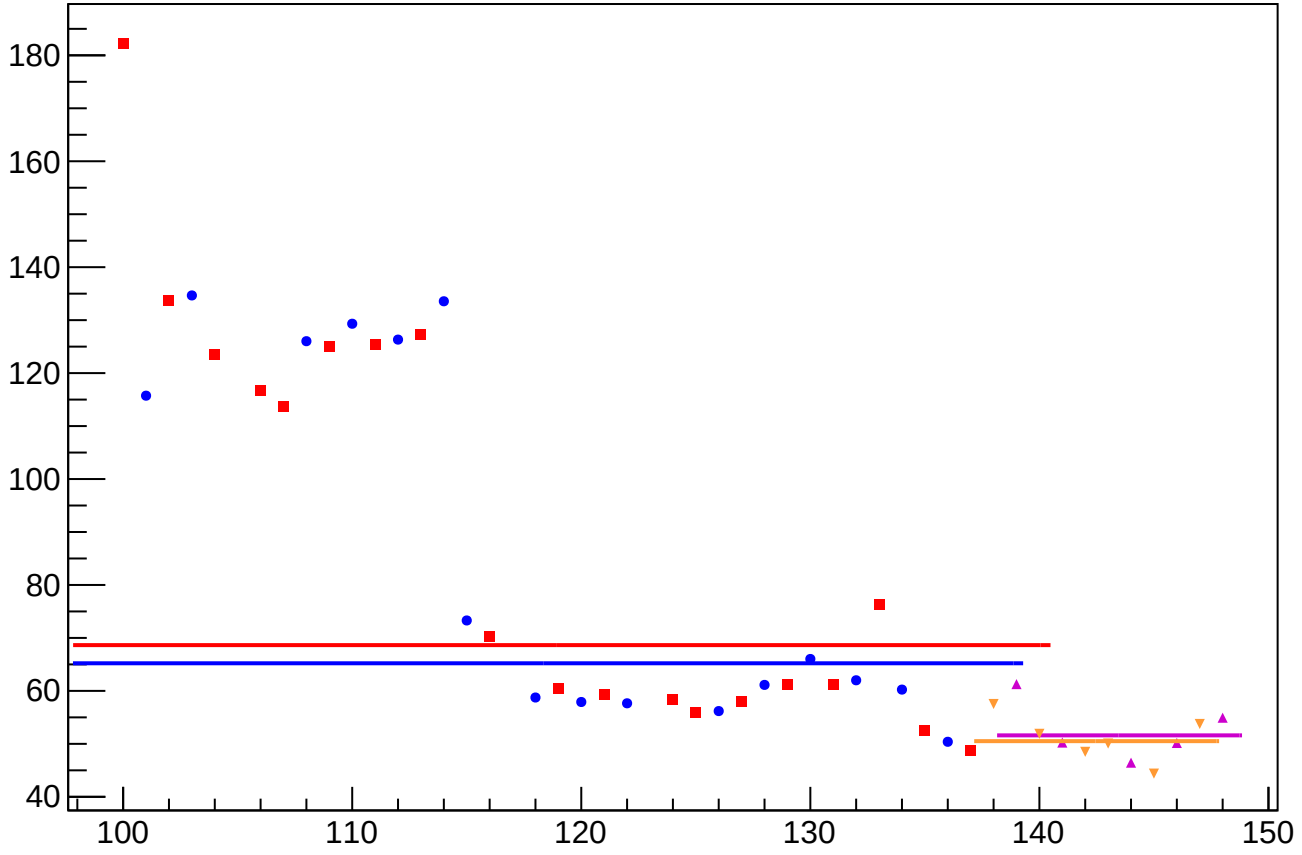
Left In: -44.499+/-24.963 χ^2/NDF:4.5/4

\+ sign 51.916+/-17.572 χ^2/NDF: 19.7/21

All: 2.117+/-12.674 χ^2/NDF: 61.4/45

\- sign -51.873+/-18.297 χ^2/NDF: 25.0/23

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

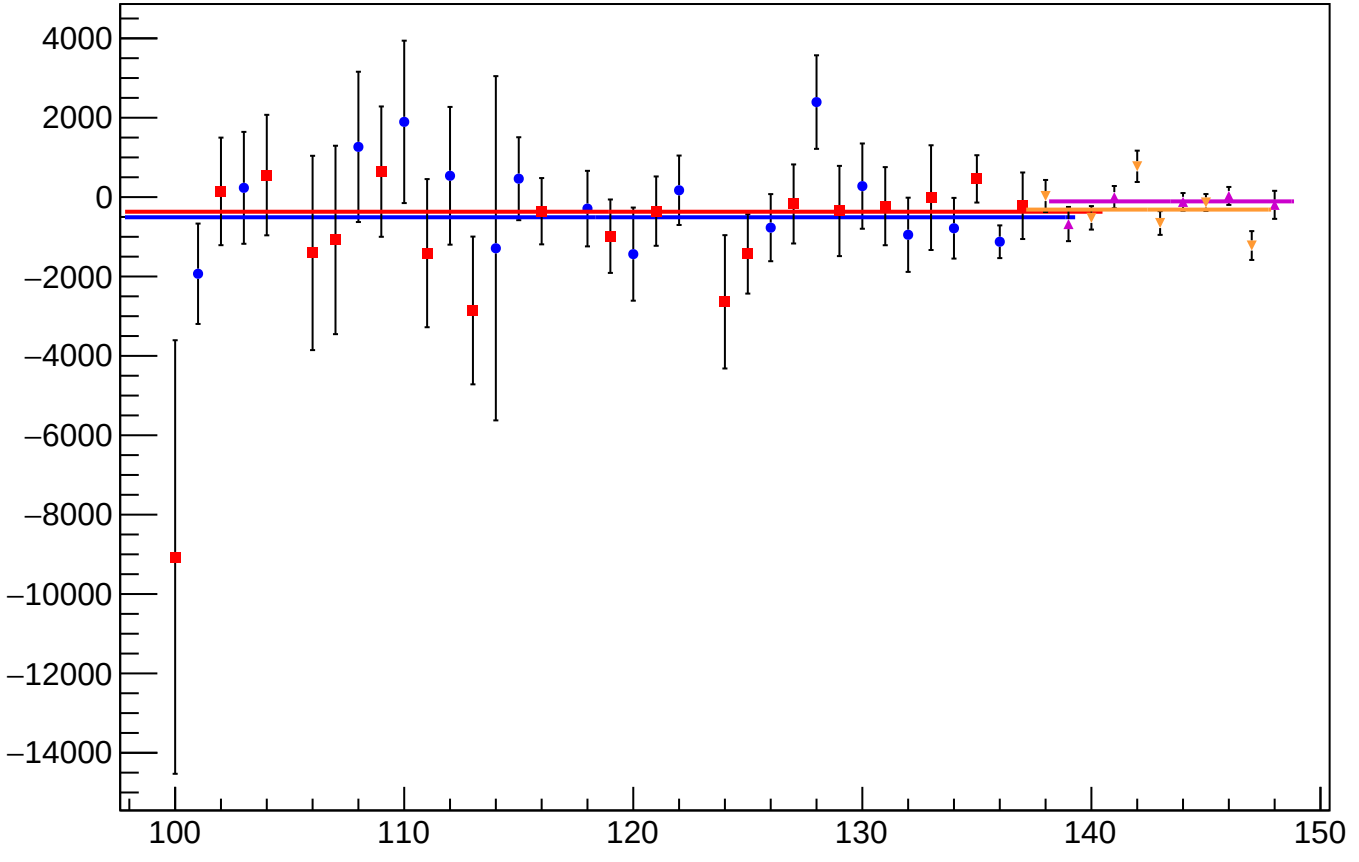
Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

+ sign 57.341+/-0.012 χ^2/NDF: 1856455.2/21

All: 58.371+/-0.009 χ^2/NDF: 4012379.7/45

- sign 59.488+/-0.013 χ^2/NDF: 2141589.6/23

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

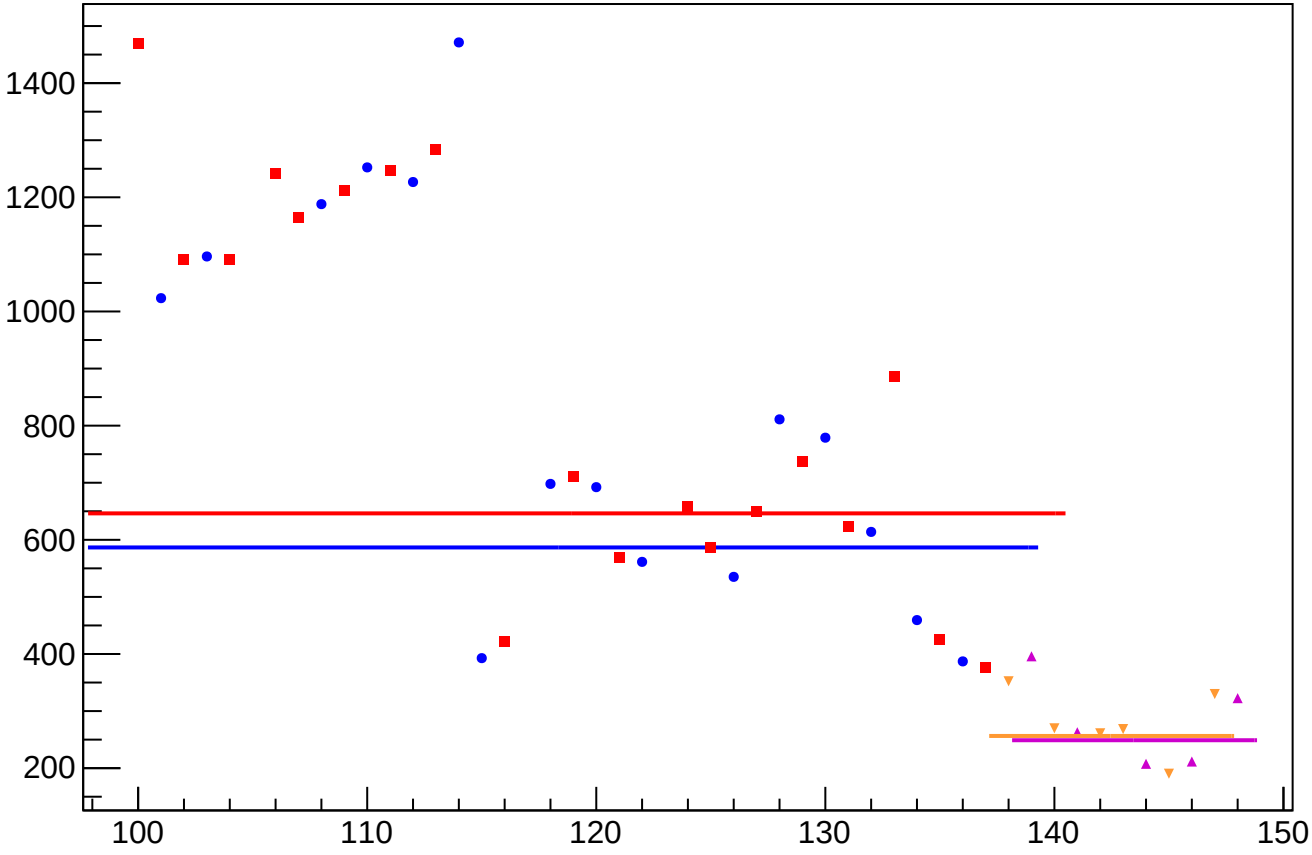
Left In: -107.591+/-123.342 χ^2/NDF:2.3/4

+ sign -356.226+/-110.041 χ^2/NDF: 33.2/21

All: -257.399+/-78.204 χ^2/NDF: 49.3/45

- sign -156.550+/-111.161 χ^2/NDF: 14.5/23

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

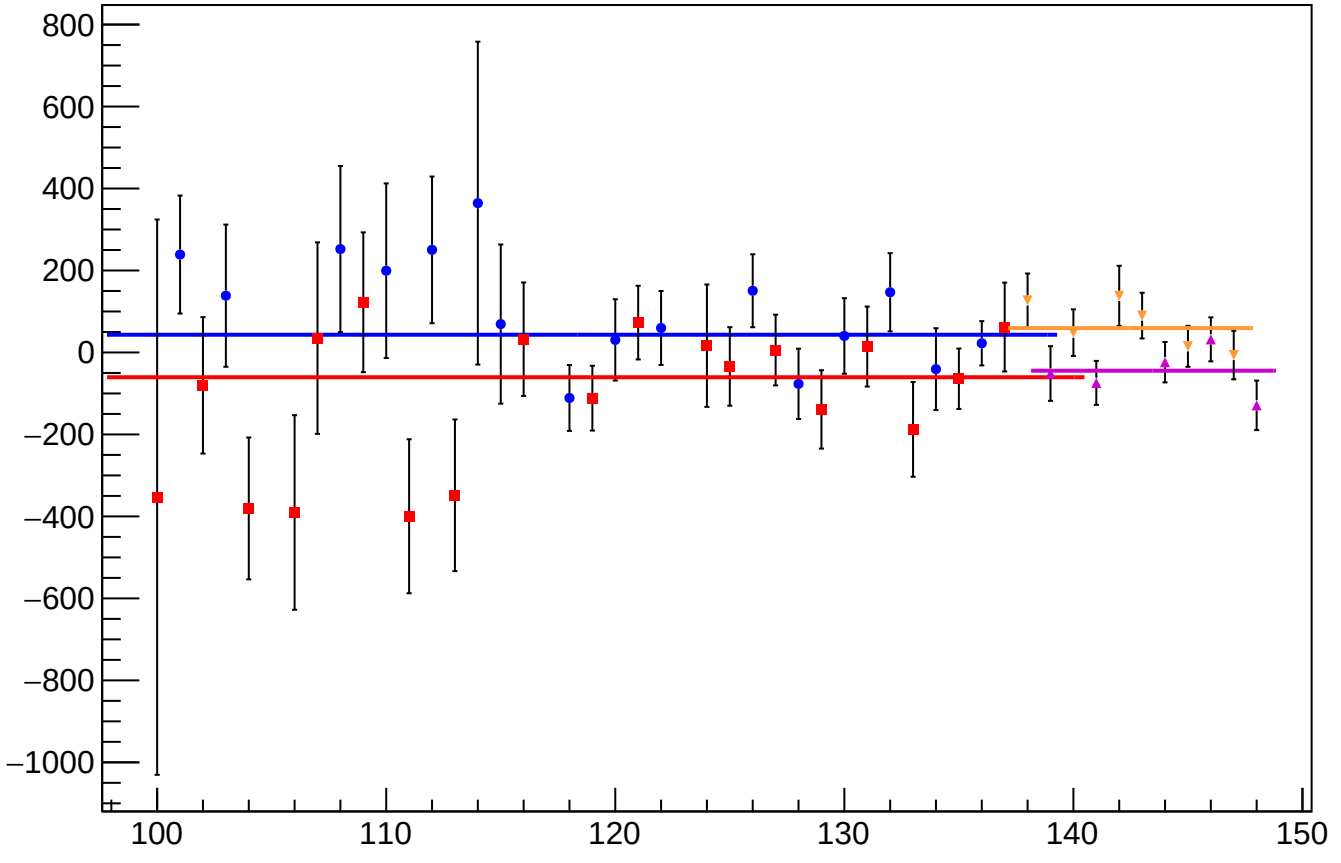
Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

+ sign 327.657+/-0.078 χ^2/NDF: 5494021.5/21

All: 325.625+/-0.055 χ^2/NDF: 11904602.0/45

- sign 323.552+/-0.079 χ^2/NDF: 6409202.4/23

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

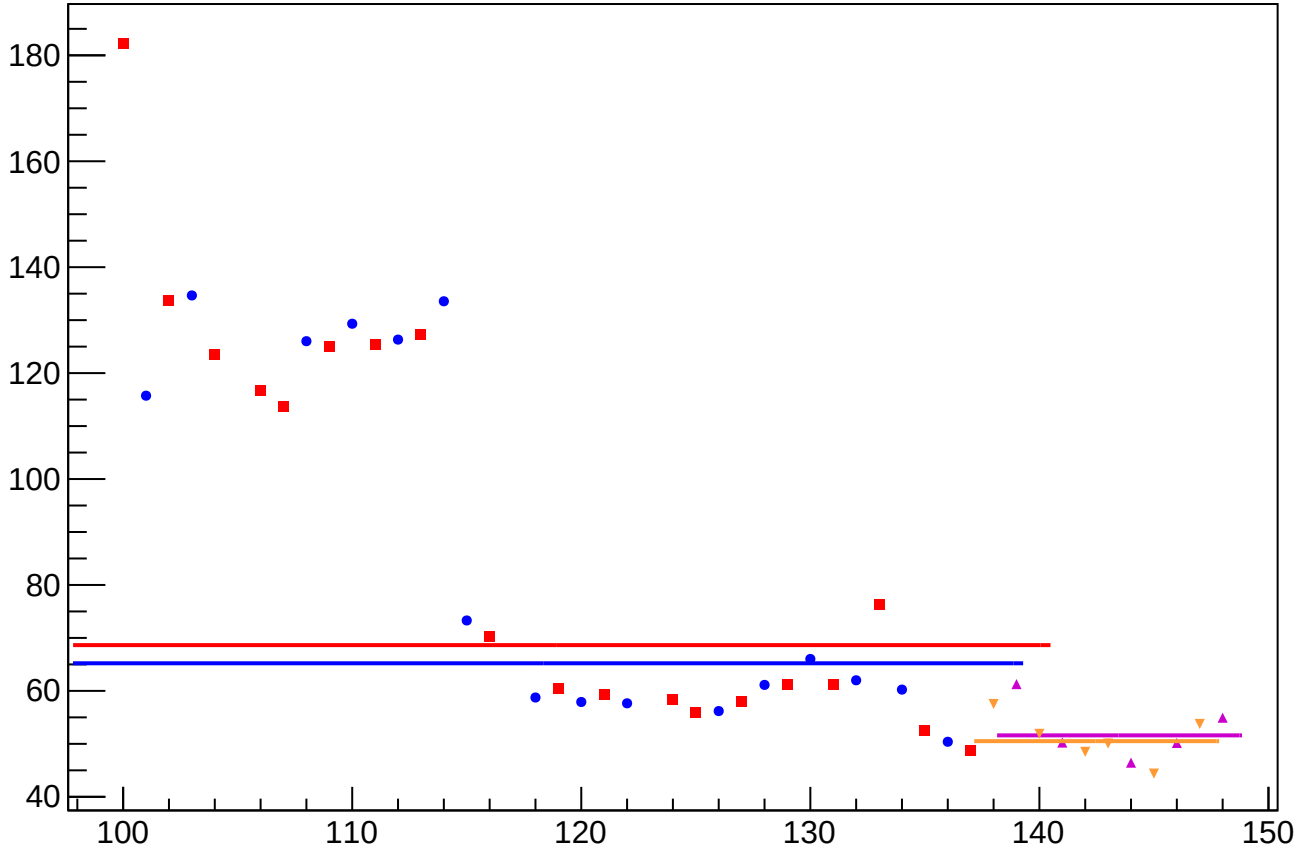
Left In: -44.499+/-24.963 χ^2/NDF:4.5/4

+ sign 51.916+/-17.572 χ^2/NDF: 19.7/21

All: 2.117+/-12.674 χ^2/NDF: 61.4/45

- sign -51.873+/-18.297 χ^2/NDF: 25.0/23

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

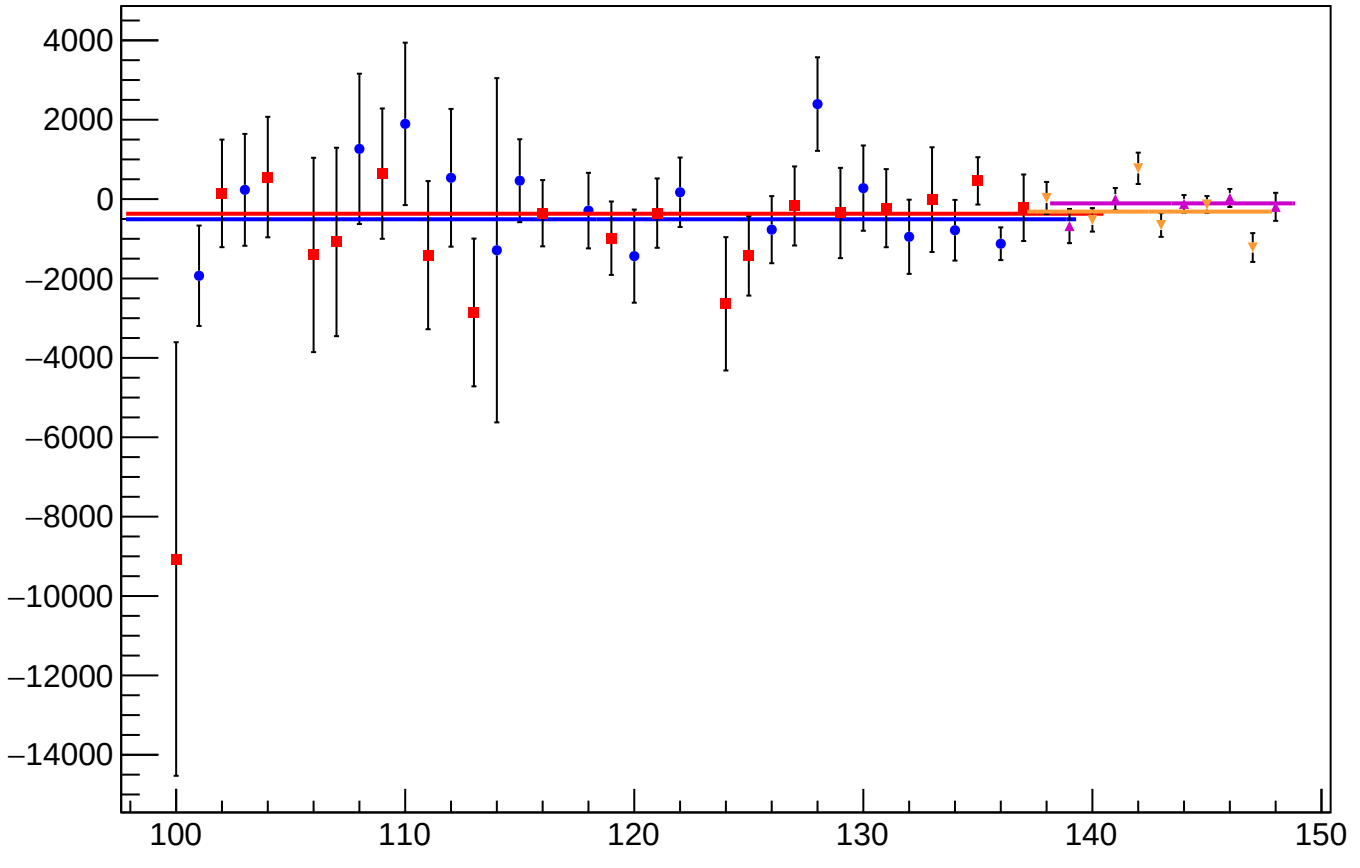
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

+ sign 57.341+/-0.012 χ^2/NDF: 1856455.2/21

All: 58.371+/-0.009 χ^2/NDF: 4012379.7/45

- sign 59.488+/-0.013 χ^2/NDF: 2141589.6/23



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -314.514+/-124.254 χ^2/NDF:17.0/5

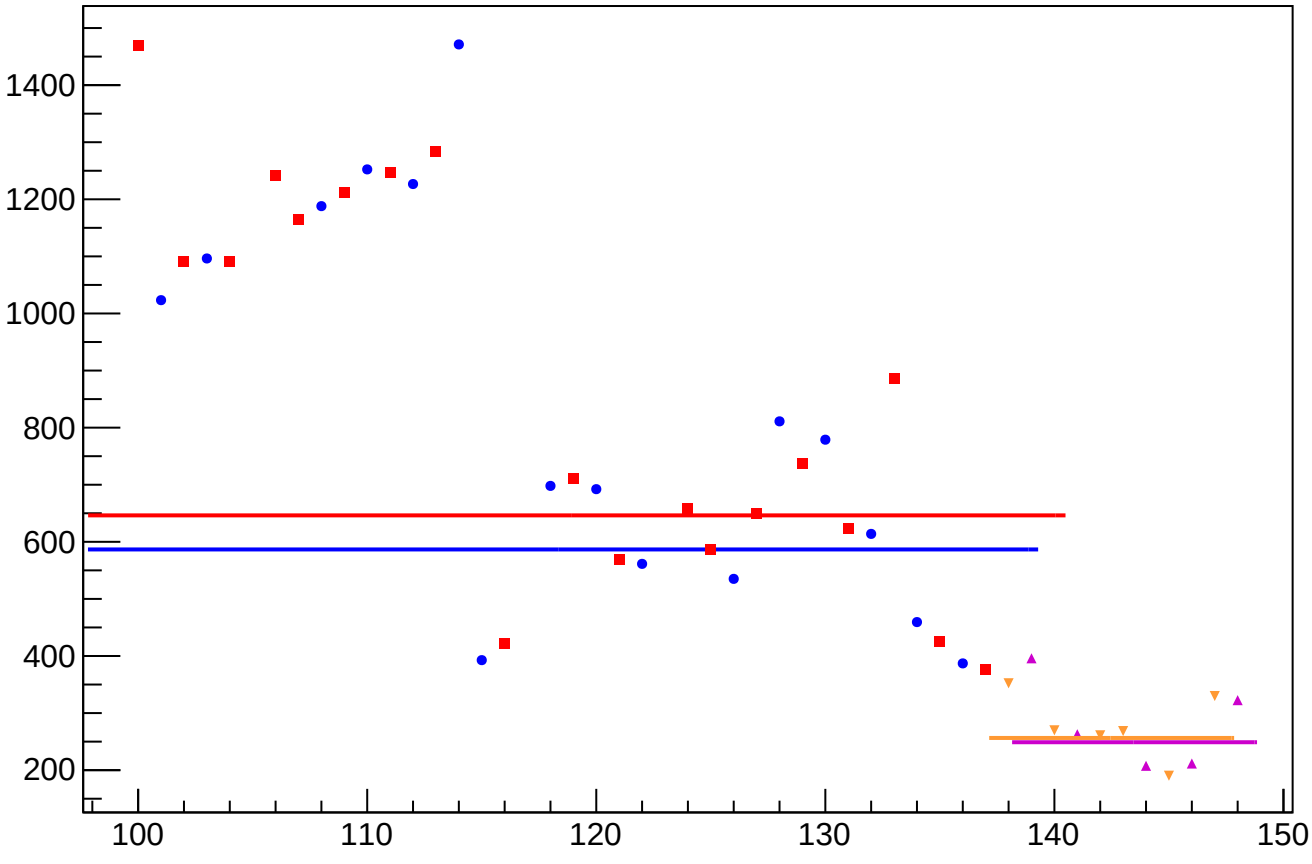
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -107.591+/-123.342 χ^2/NDF:2.3/4

\+ sign -356.226+/-110.041 χ^2/NDF: 33.2/21

All: -257.399+/-78.204 χ^2/NDF: 49.3/45

\- sign -156.550+/-111.161 χ^2/NDF: 14.5/23



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

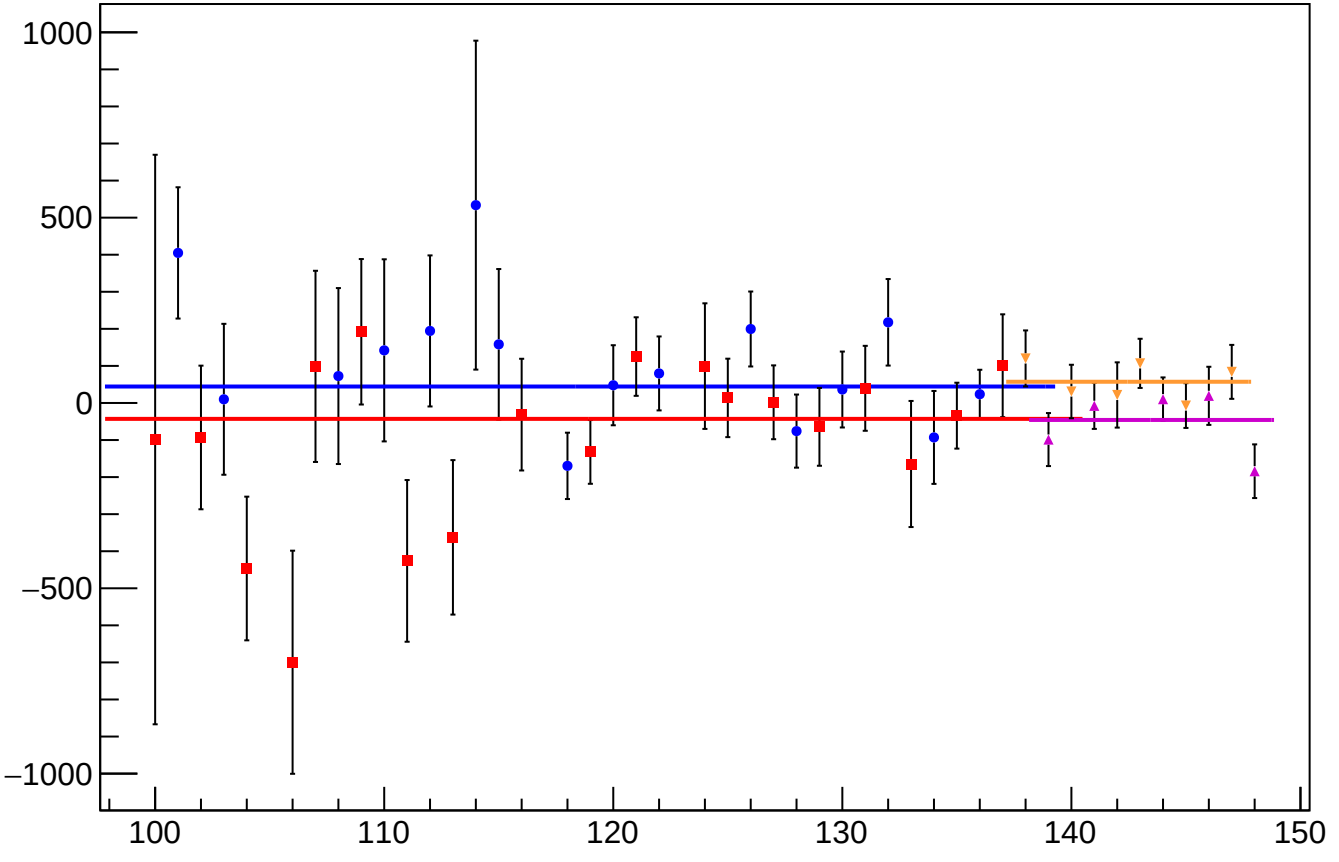
Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

+ sign 327.657+/-0.078 χ^2/NDF: 5494021.5/21

All: 325.625+/-0.055 χ^2/NDF: 11904602.0/45

- sign 323.552+/-0.079 χ^2/NDF: 6409202.4/23

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

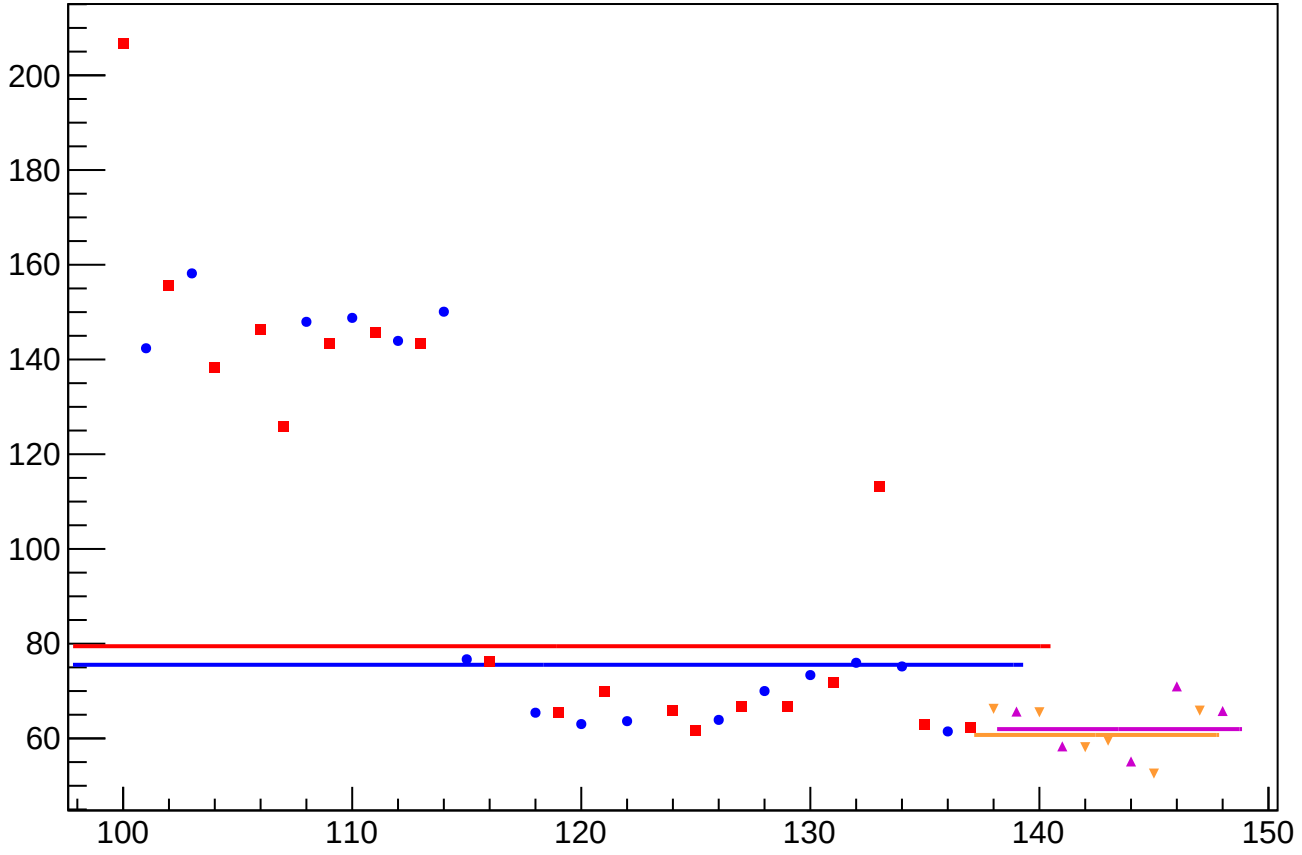
Left In: -45.820+/-30.196 χ^2/NDF:6.2/4

+ sign 51.016+/-20.831 χ^2/NDF: 22.5/21

All: 5.282+/-15.032 χ^2/NDF: 62.0/45

- sign -44.411+/-21.714 χ^2/NDF: 29.5/23

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

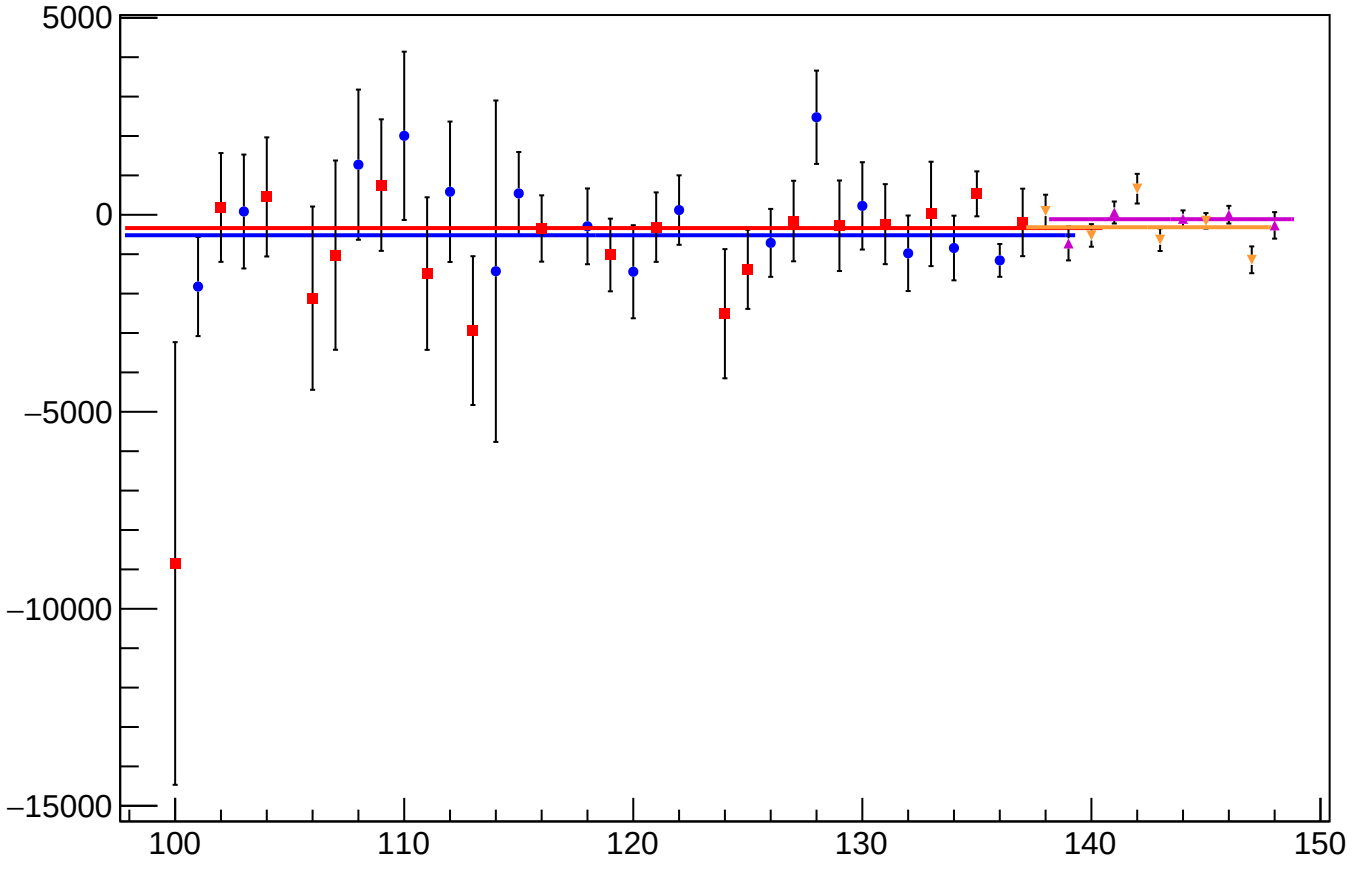
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.966+/-0.021 χ^2/NDF:71332.1/4

+ sign 67.919+/-0.015 χ^2/NDF: 1786382.4/21

All: 69.116+/-0.011 χ^2/NDF: 3879475.2/45

- sign 70.416+/-0.015 χ^2/NDF: 2079313.1/23



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -316.198+/-117.942 χ^2/NDF:16.1/5

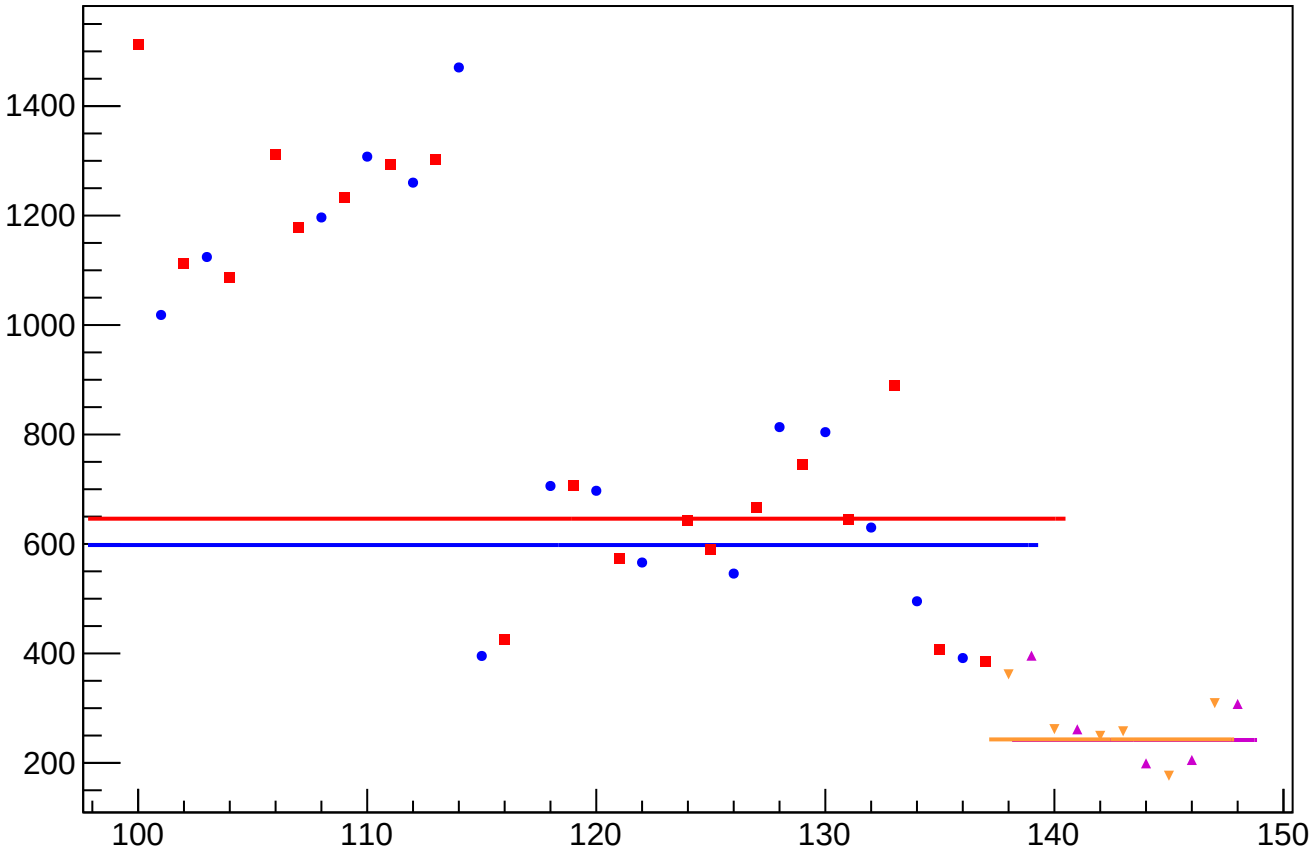
Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: -111.614+/-120.413 χ^2/NDF:2.9/4

+ sign -355.349+/-105.963 χ^2/NDF: 32.5/21

All: -256.670+/-75.981 χ^2/NDF: 49.7/45

- sign -152.236+/-109.009 χ^2/NDF: 15.4/23



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

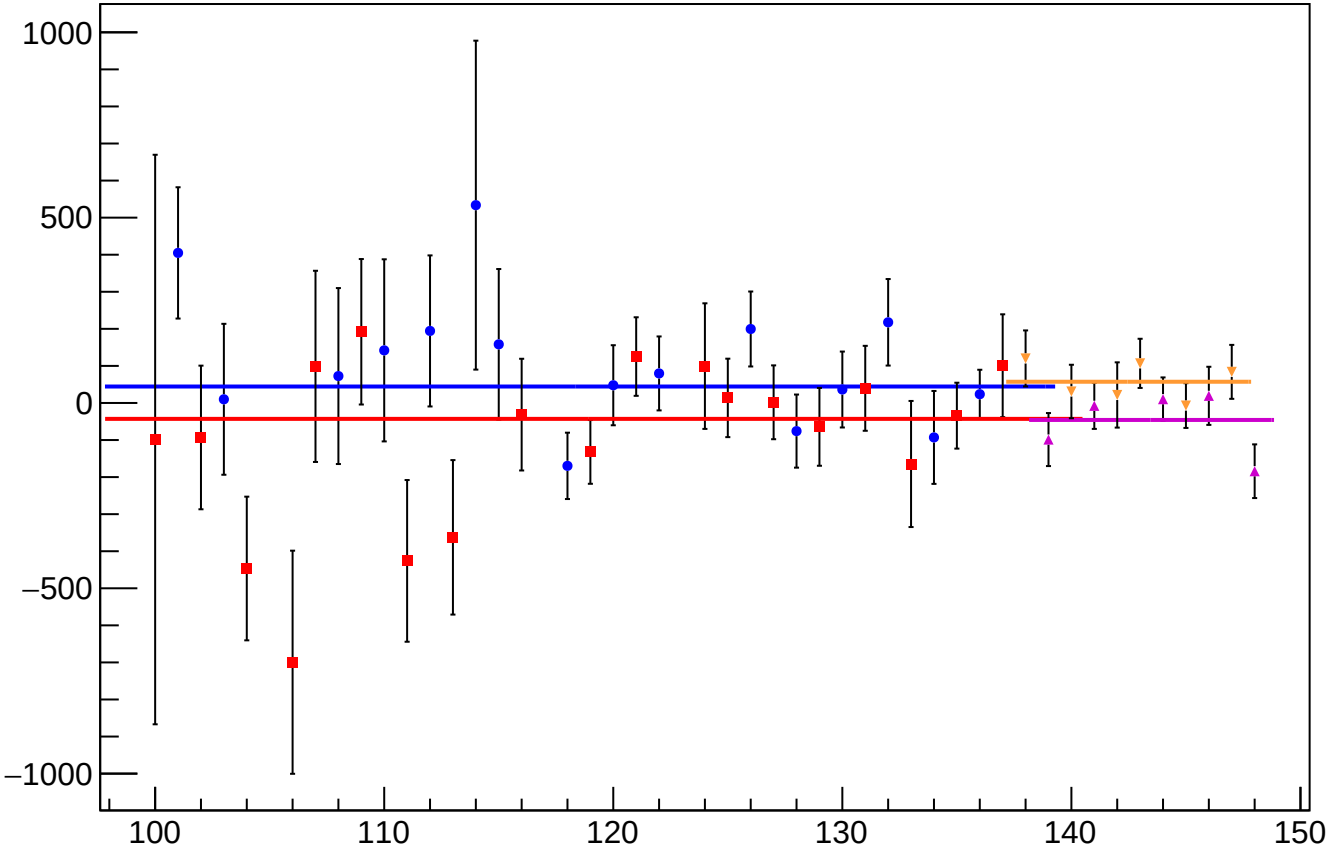
Left In: 241.851+/-0.085 χ^2/NDF:475079.1/4

+ sign 311.394+/-0.075 χ^2/NDF: 6027703.9/21

All: 313.055+/-0.054 χ^2/NDF: 12778572.6/45

- sign 314.813+/-0.077 χ^2/NDF: 6749856.6/23

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

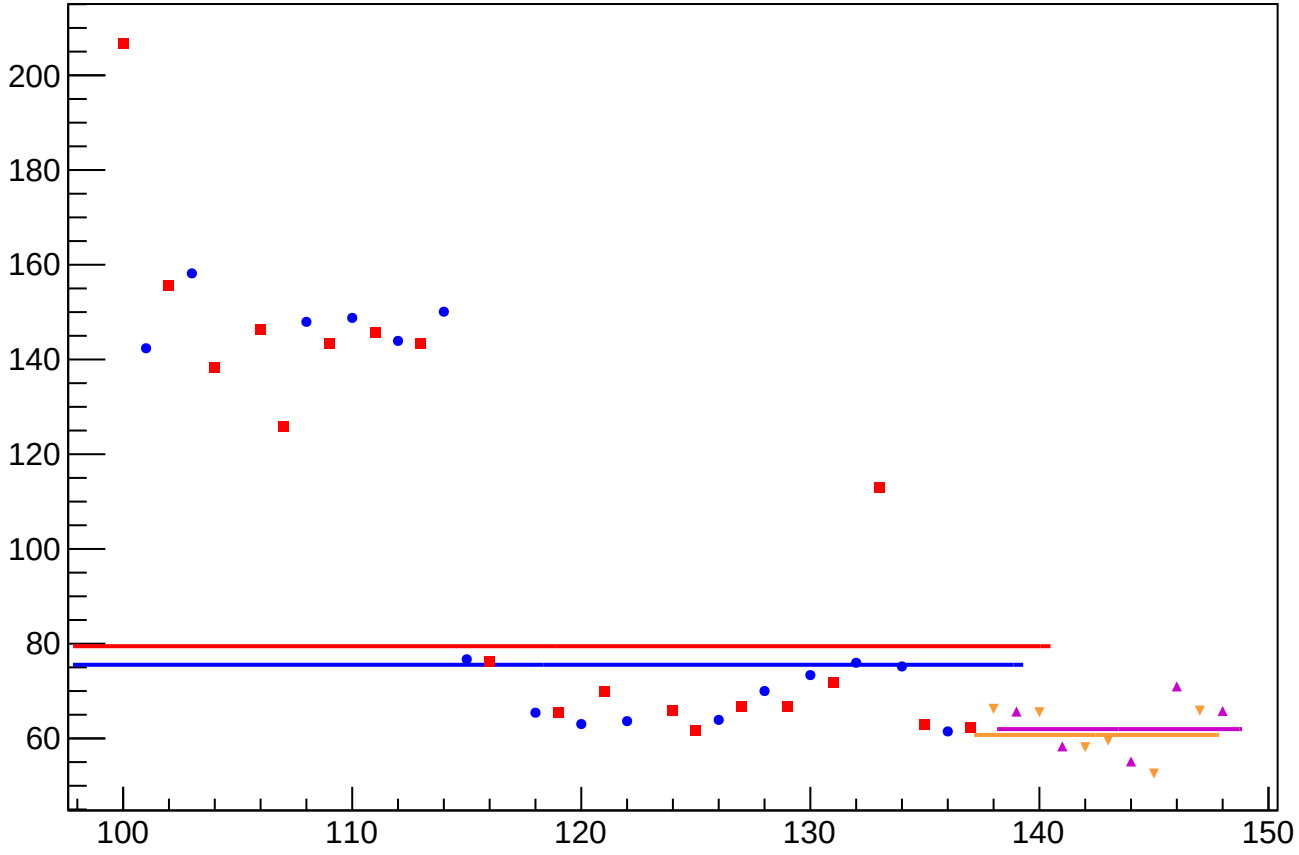
Left In: -45.821+/-30.196 χ^2/NDF:6.2/4

+ sign 51.016+/-20.831 χ^2/NDF: 22.5/21

All: 5.283+/-15.032 χ^2/NDF: 62.0/45

- sign -44.410+/-21.714 χ^2/NDF: 29.5/23

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

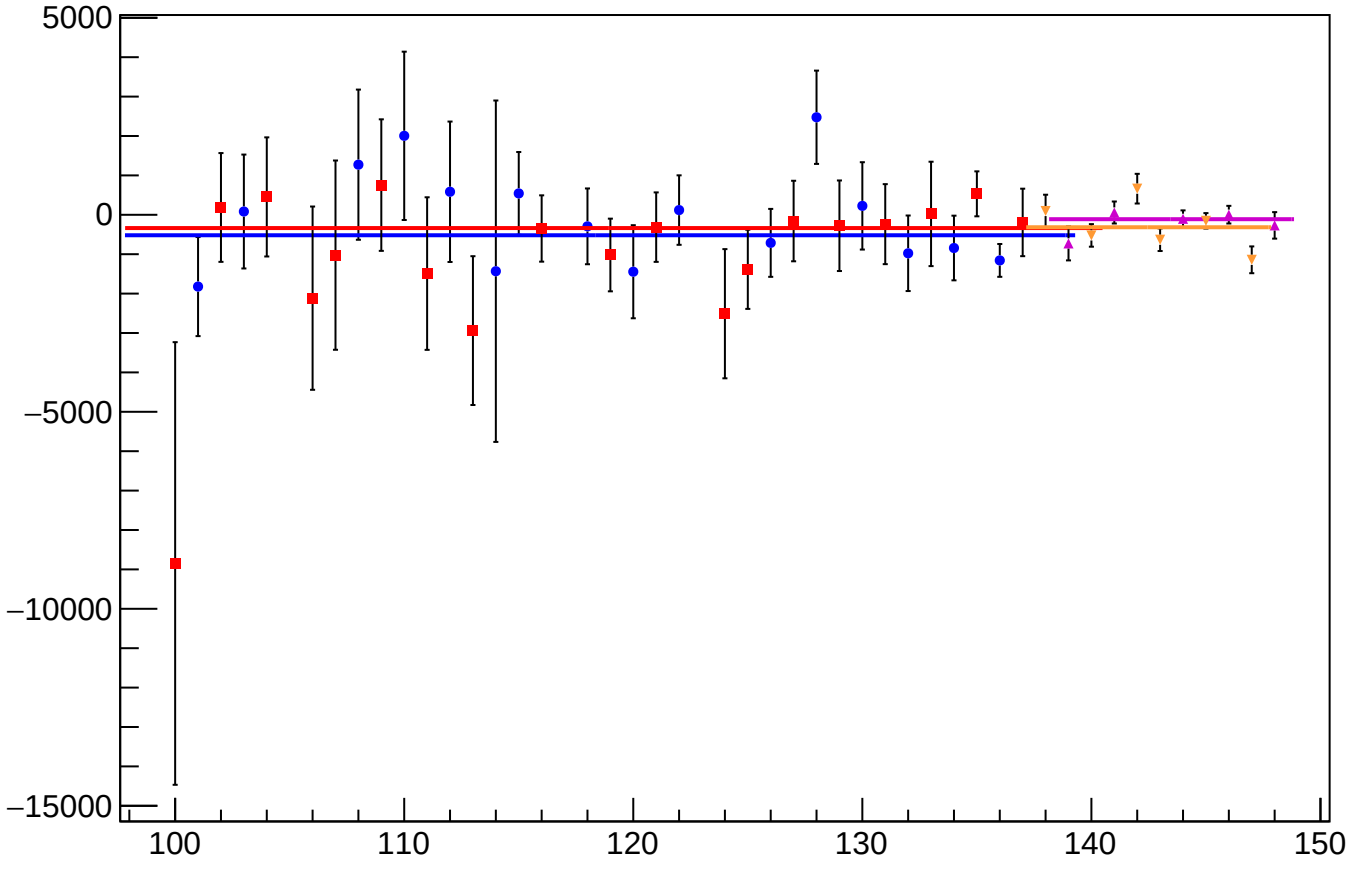
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.966+/-0.021 χ^2/NDF:71331.3/4

+ sign 67.919+/-0.015 χ^2/NDF: 1786344.6/21

All: 69.116+/-0.011 χ^2/NDF: 3879411.0/45

- sign 70.416+/-0.015 χ^2/NDF: 2079286.5/23



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -316.200+/-117.942 χ^2/NDF:16.1/5

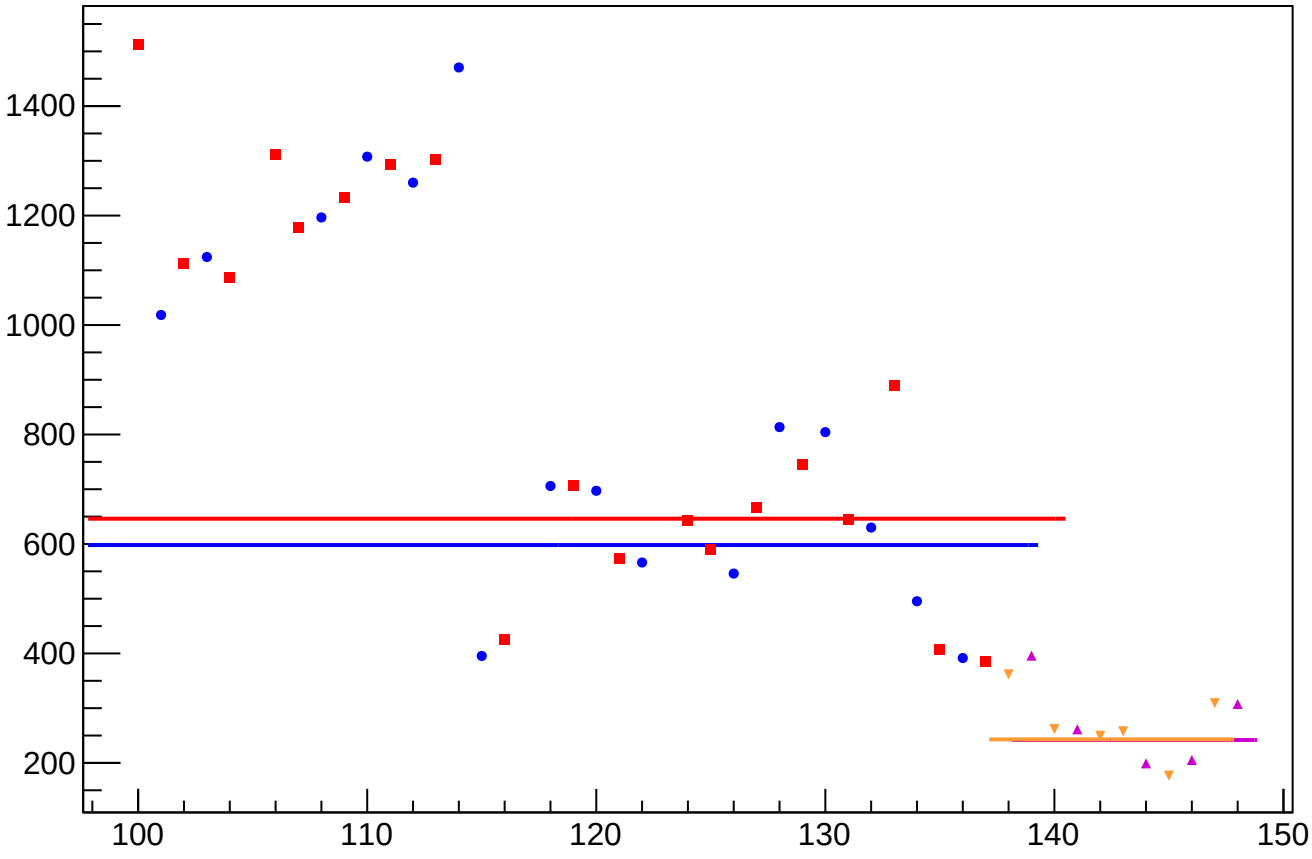
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -111.615+/-120.413 χ^2/NDF:2.9/4

+ sign -355.350+/-105.963 χ^2/NDF: 32.5/21

All: -256.671+/-75.981 χ^2/NDF: 49.7/45

- sign -152.237+/-109.009 χ^2/NDF: 15.4/23



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

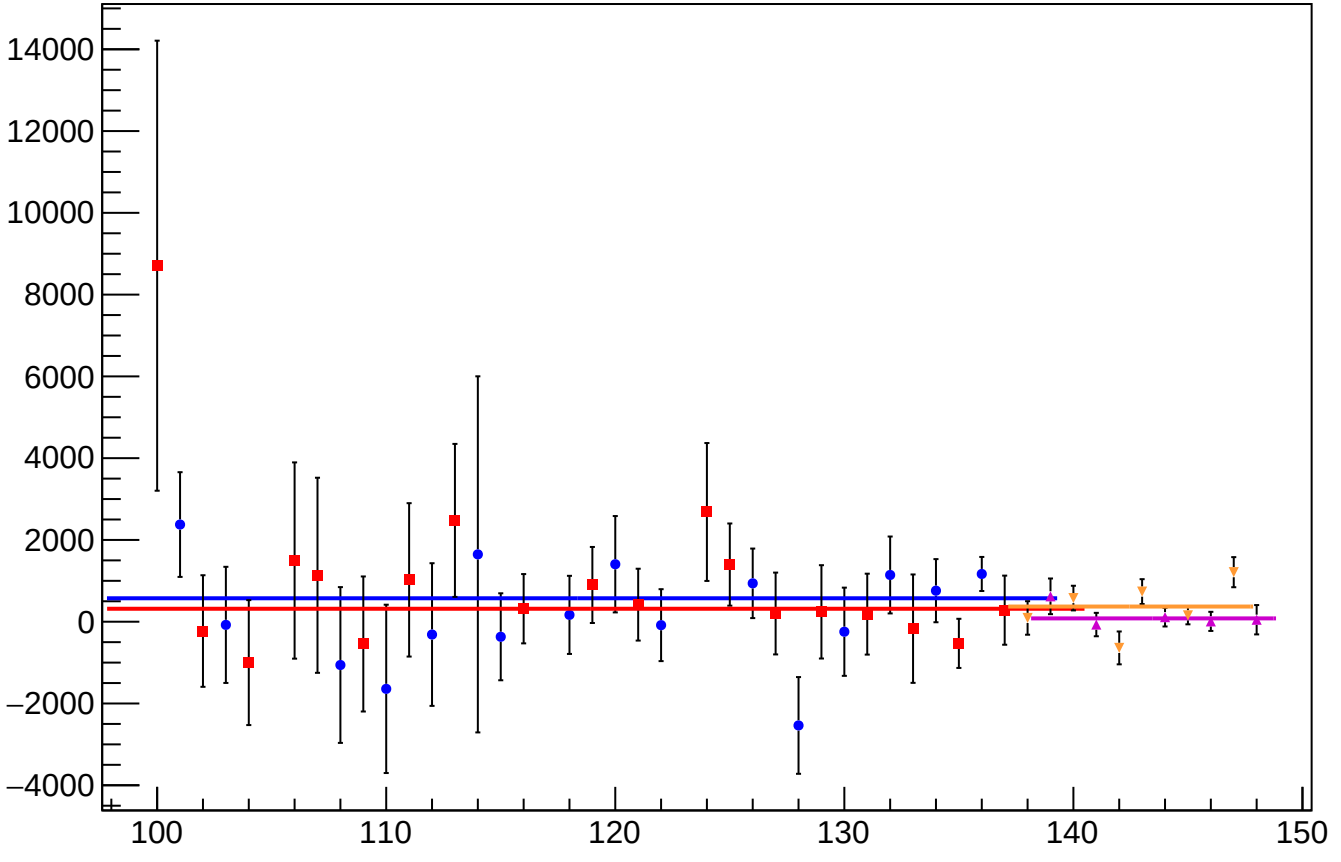
Left In: 241.851+/-0.085 χ^2/NDF:475074.5/4

+ sign 311.393+/-0.075 χ^2/NDF: 6027699.5/21

All: 313.055+/-0.054 χ^2/NDF: 12778554.3/45

- sign 314.813+/-0.077 χ^2/NDF: 6749842.6/23

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

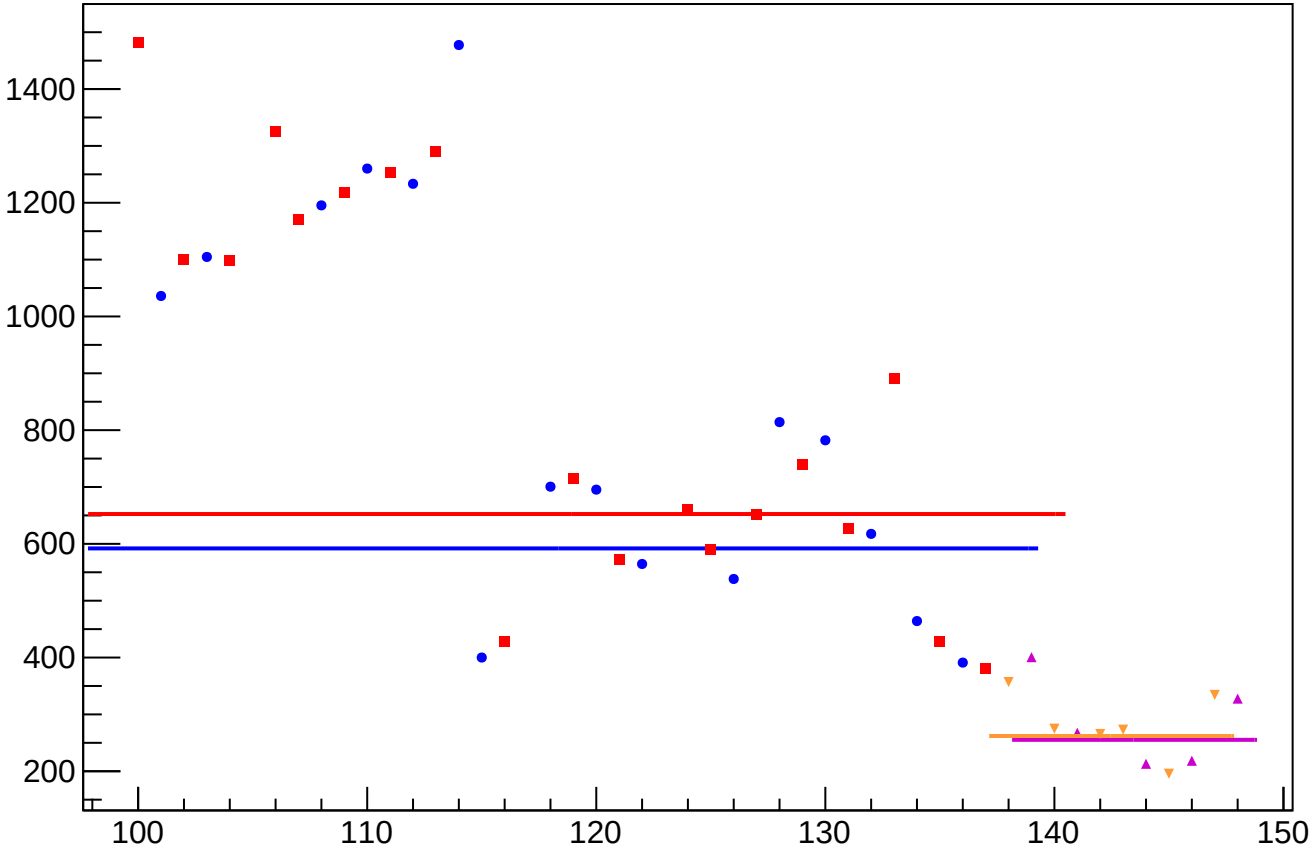
Left In: 81.115+/-126.280 χ^2/NDF:1.9/4

+ sign 415.533+/-112.001 χ^2/NDF: 32.0/21

All: 272.917+/-79.701 χ^2/NDF: 48.9/45

- sign 126.604+/-113.443 χ^2/NDF: 13.6/23

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

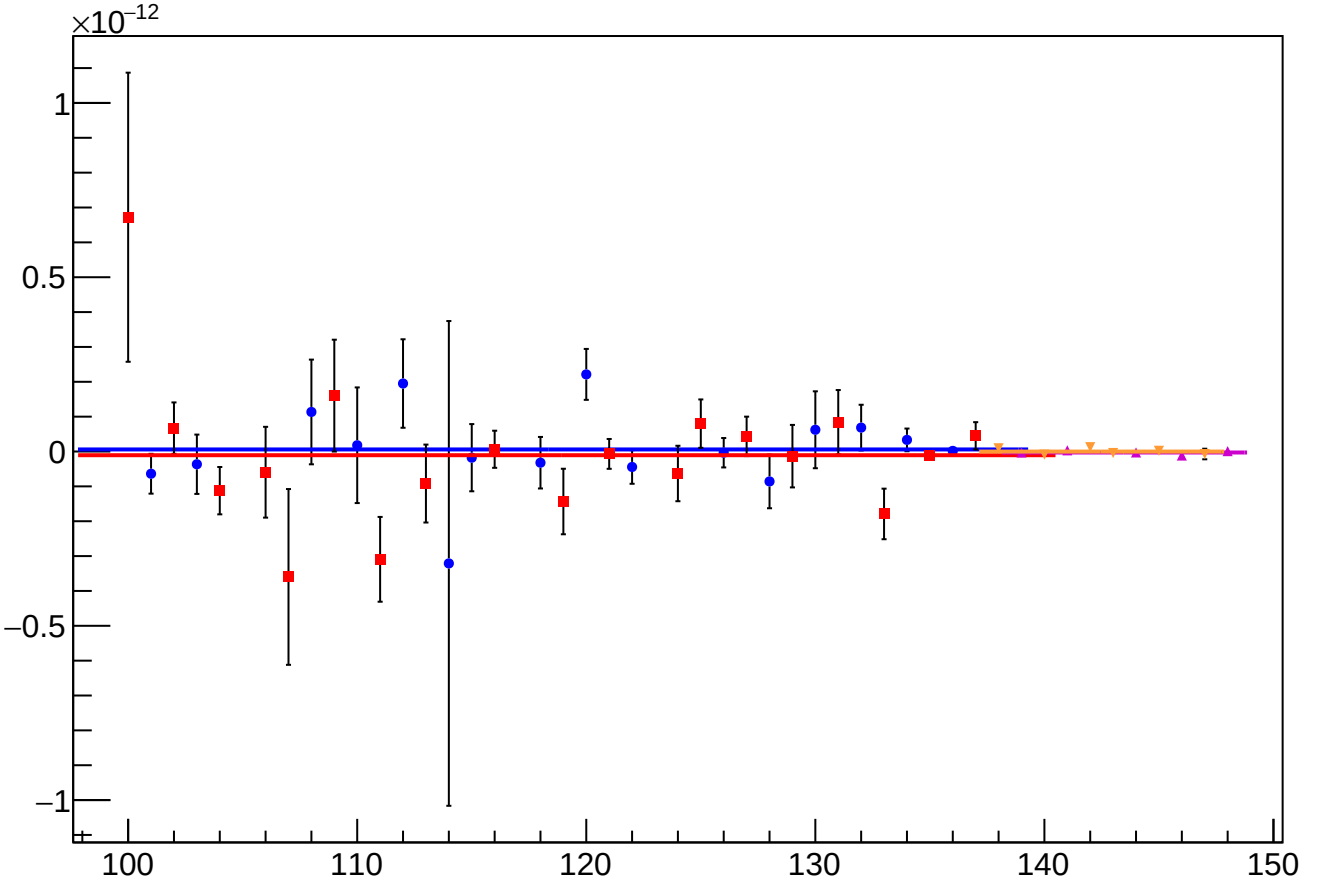
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 255.261+/-0.089 χ^2/NDF:425436.9/4

+ sign 334.512+/-0.079 χ^2/NDF: 5386649.2/21

All: 333.229+/-0.056 χ^2/NDF: 11721046.8/45

- sign 331.912+/-0.080 χ^2/NDF: 6333865.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/5

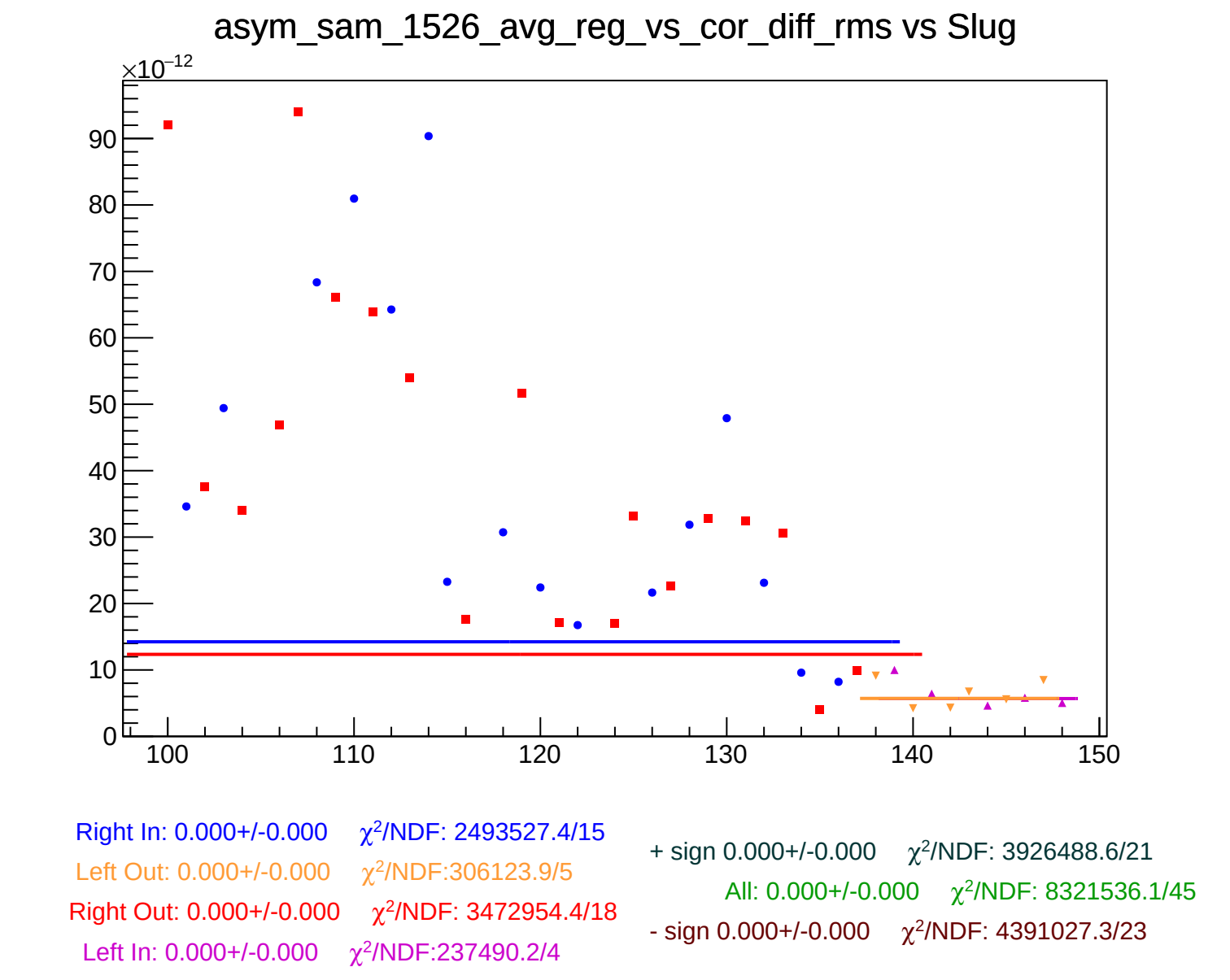
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

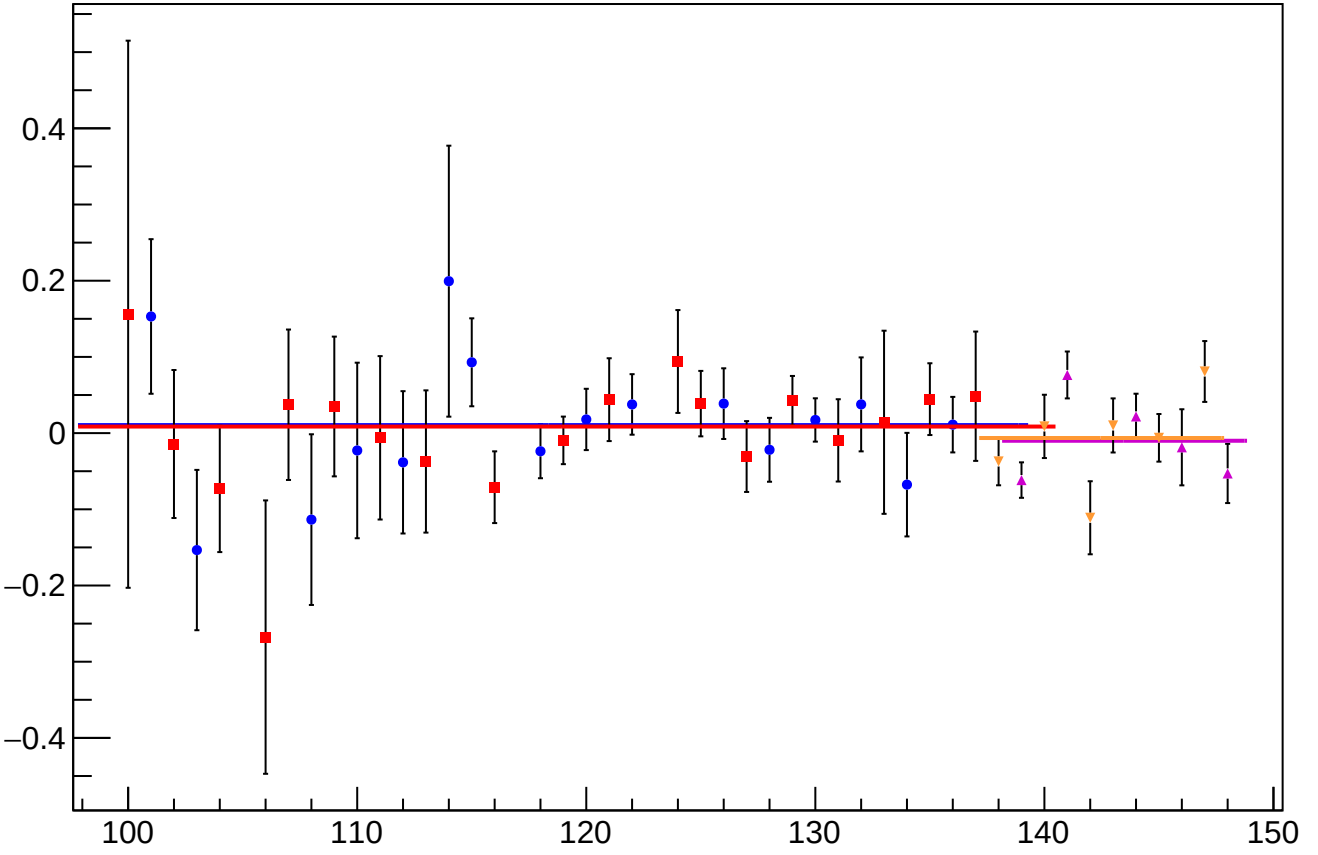
+ sign 0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 53.8/45

- sign -0.000+/-0.000 χ^2/NDF: 31.1/23


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
150
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:237490.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3926488.6/21
All: 0.000+/-0.000 χ²/NDF: 8321536.1/45
- sign 0.000+/-0.000 χ²/NDF: 4391027.3/23

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

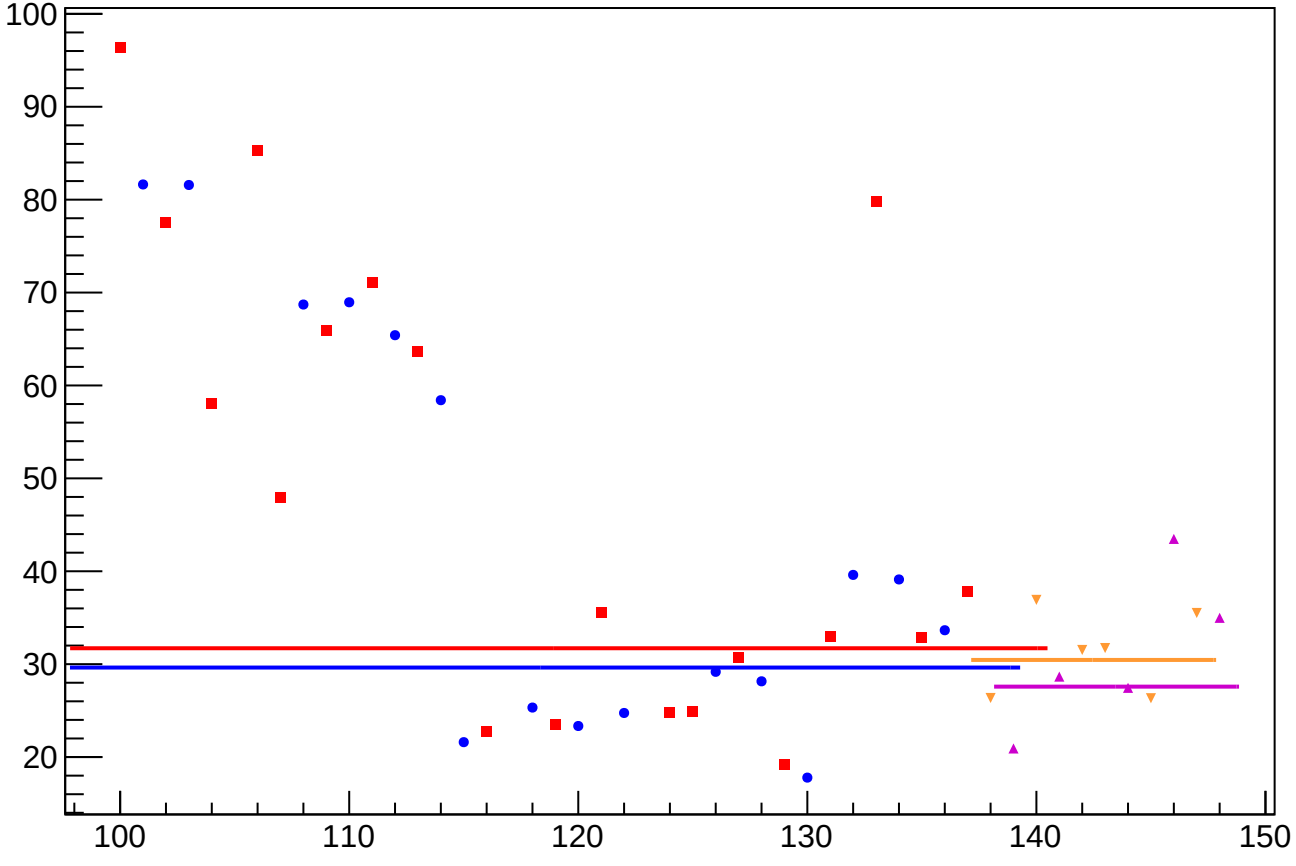
Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.003+/-0.010 χ^2/NDF: 24.7/21

All: 0.002+/-0.007 χ^2/NDF: 53.4/45

- sign -0.000+/-0.010 χ^2/NDF: 28.5/23

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

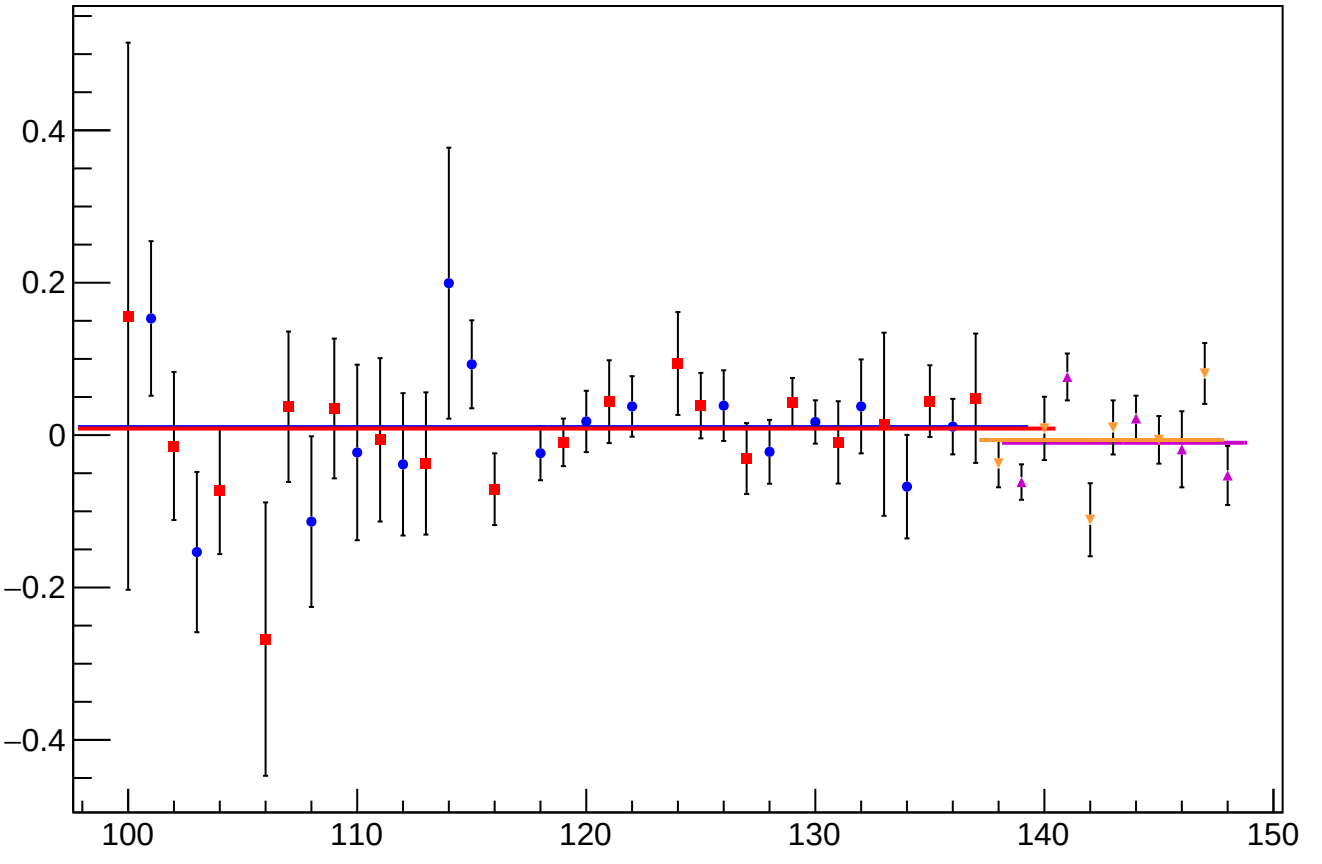
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

\+ sign 29.974+/-0.007 χ^2/NDF: 2605149.4/21

All: 29.869+/-0.005 χ^2/NDF: 5790485.3/45

\- sign 29.764+/-0.007 χ^2/NDF: 3184859.7/23



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

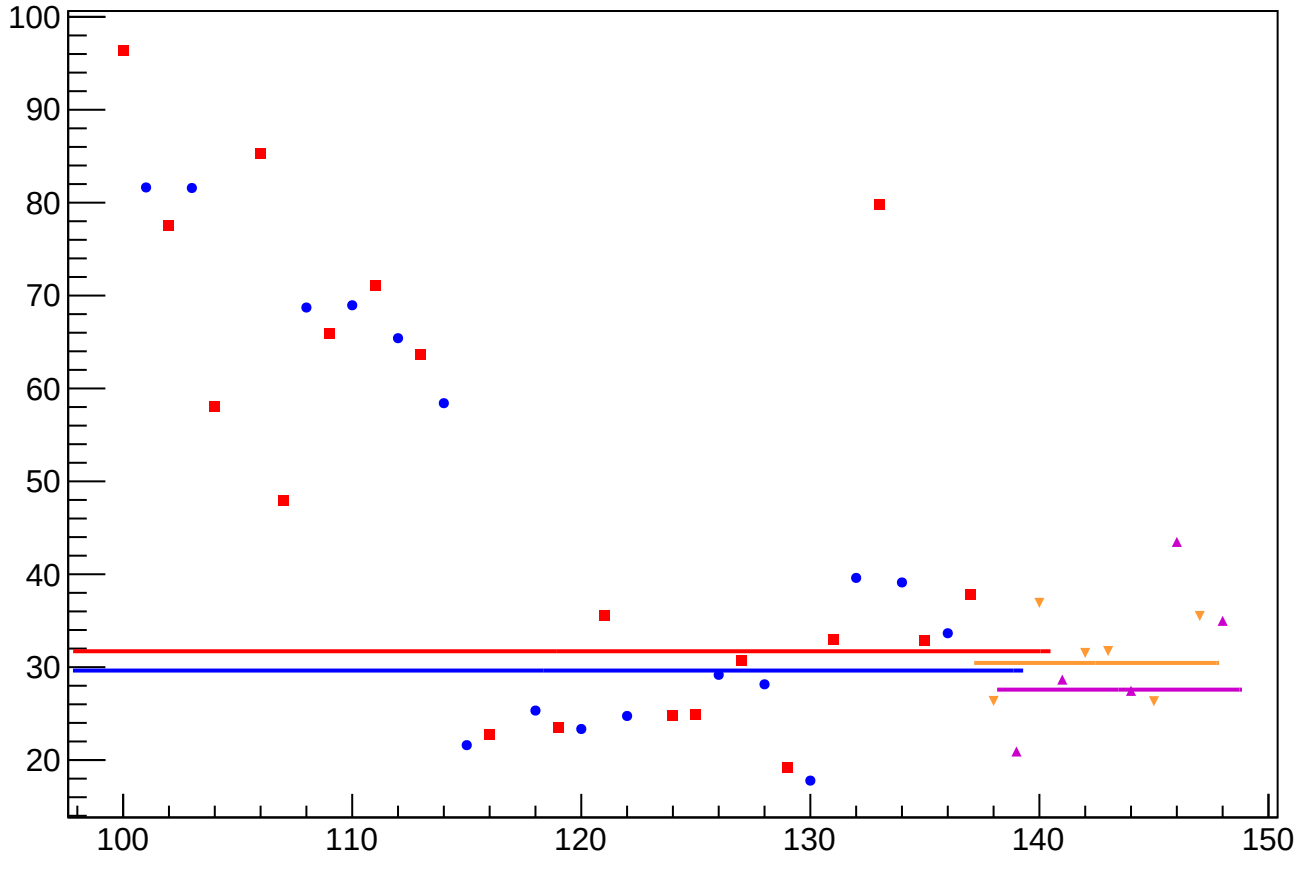
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.003+/-0.010 χ^2/NDF: 24.7/21

All: 0.002+/-0.007 χ^2/NDF: 53.4/45

- sign -0.000+/-0.010 χ^2/NDF: 28.5/23



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

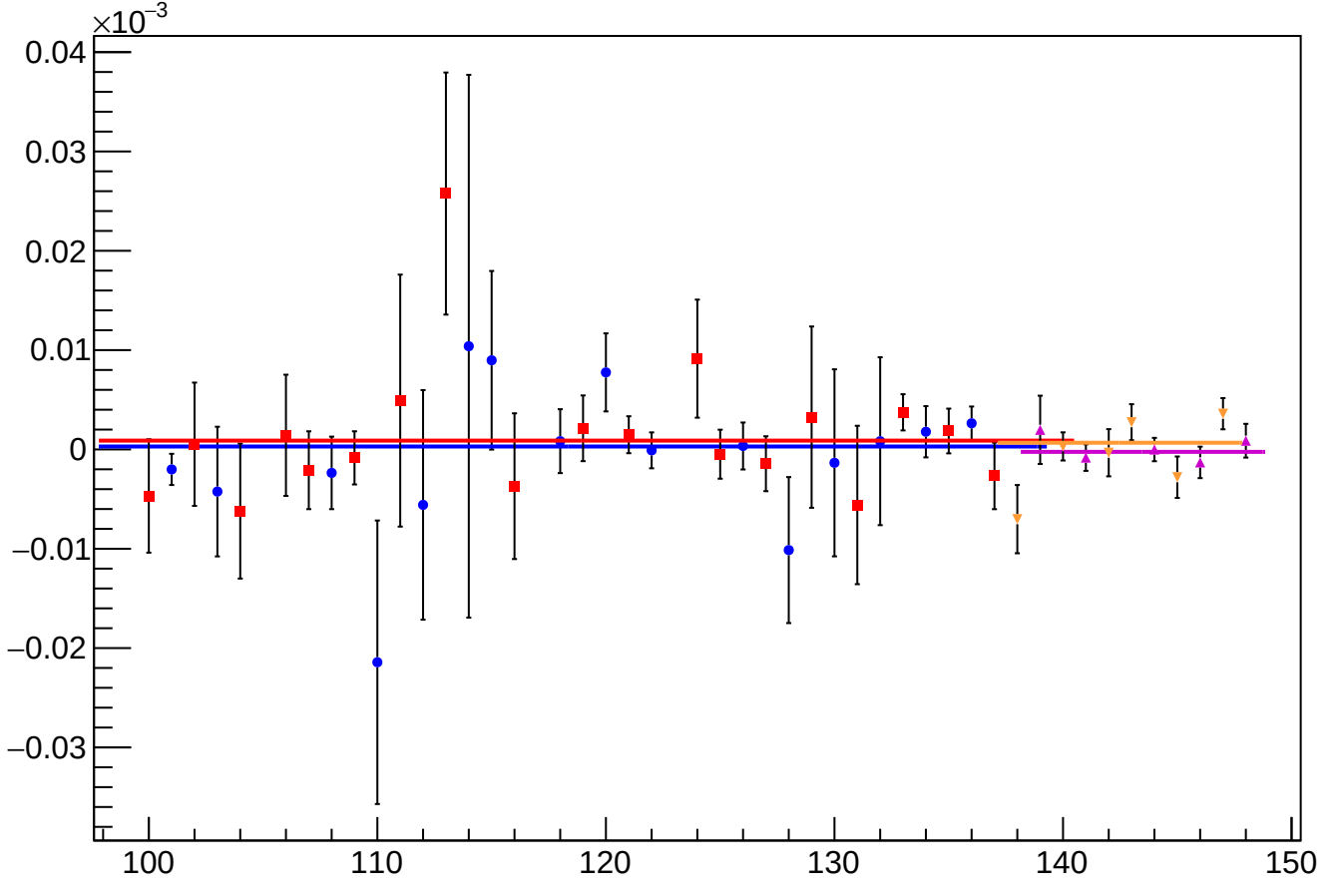
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

\+ sign 29.974+/-0.007 χ^2/NDF: 2605149.4/21

All: 29.869+/-0.005 χ^2/NDF: 5790485.3/45

\- sign 29.764+/-0.007 χ^2/NDF: 3184859.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/5

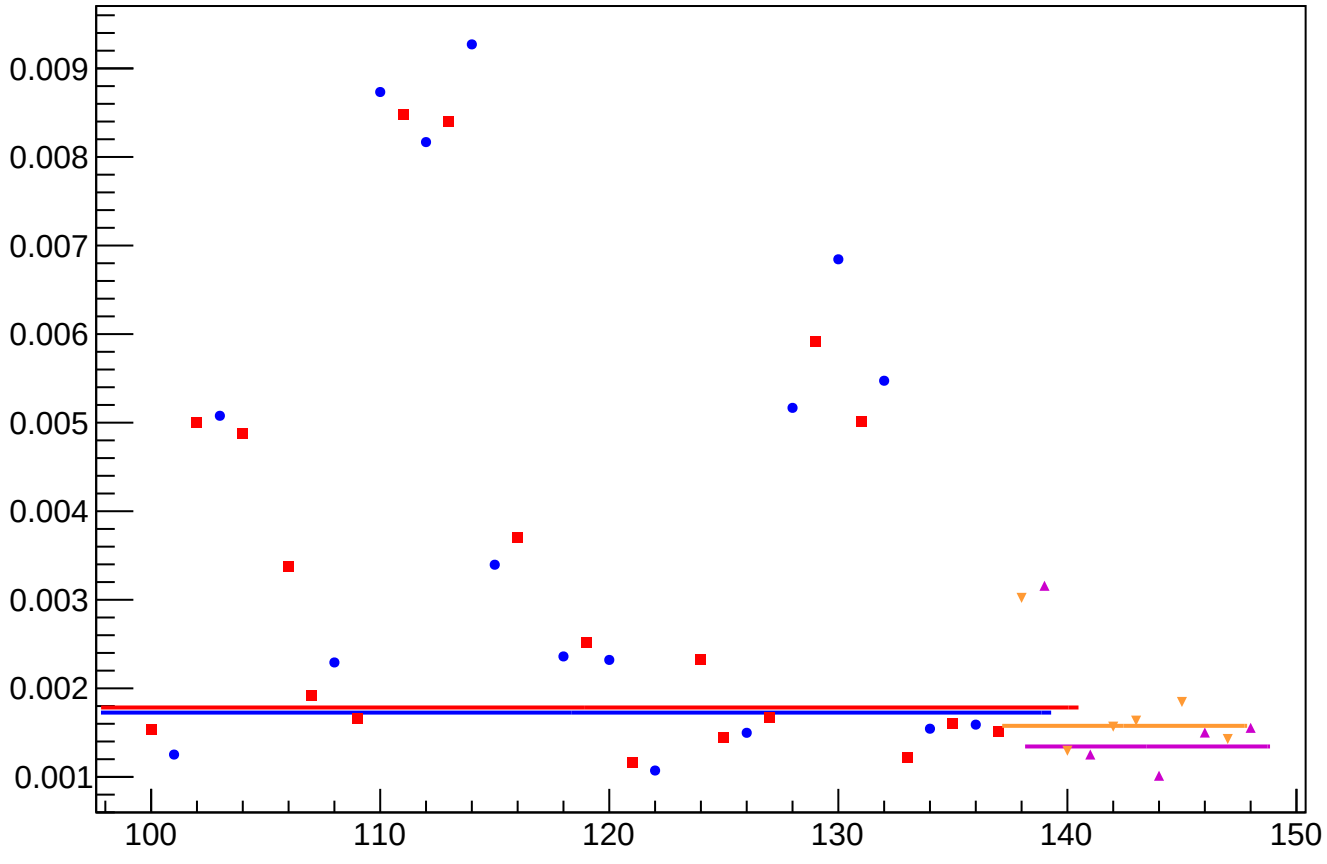
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/21

All: 0.000+/-0.000 χ^2/NDF: 45.9/45

- sign 0.000+/-0.000 χ^2/NDF: 18.1/23



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:485974.5/5

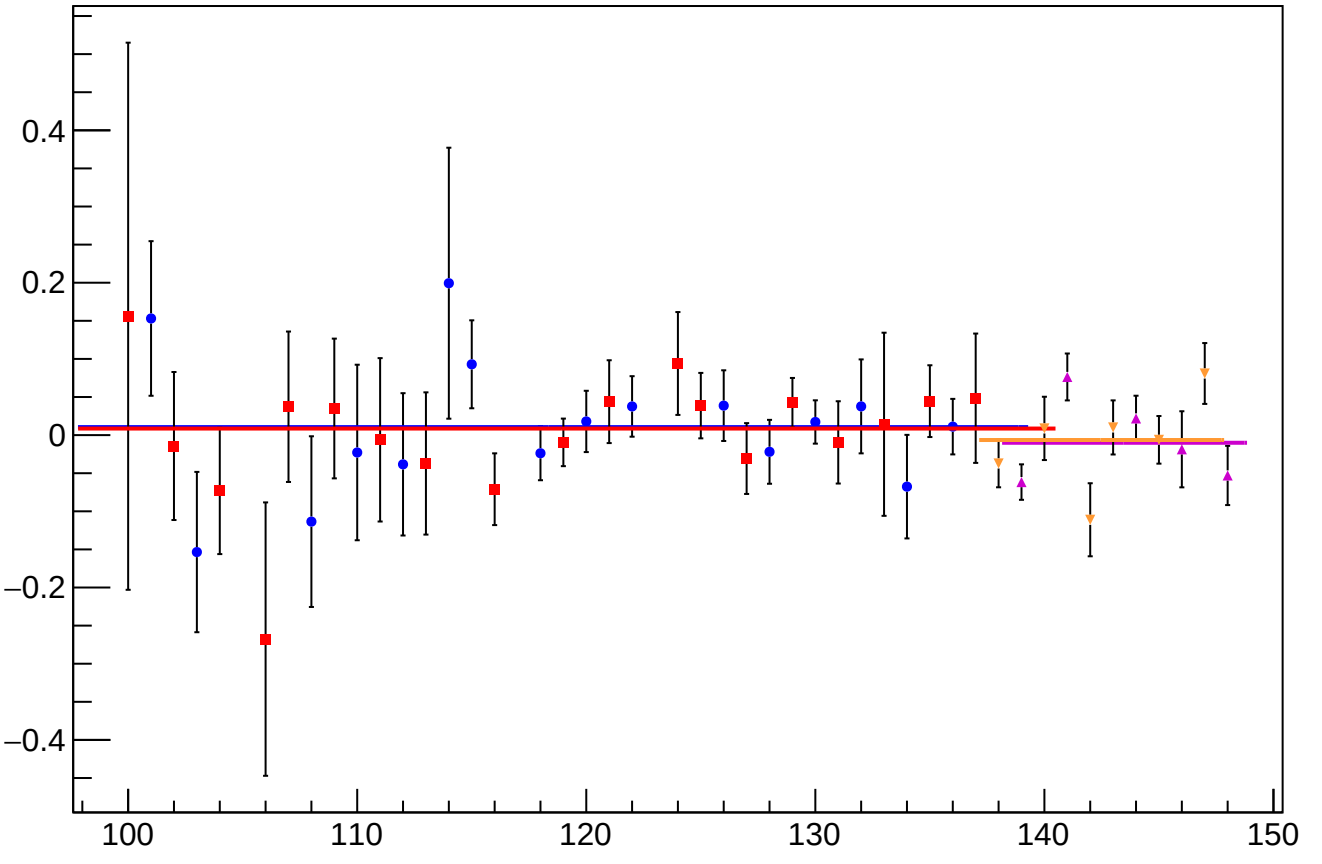
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:774489.8/4

+ sign 0.002+/-0.000 χ^2/NDF: 4456490.7/21

All: 0.002+/-0.000 χ^2/NDF: 9357234.3/45

- sign 0.002+/-0.000 χ^2/NDF: 4853603.4/23



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

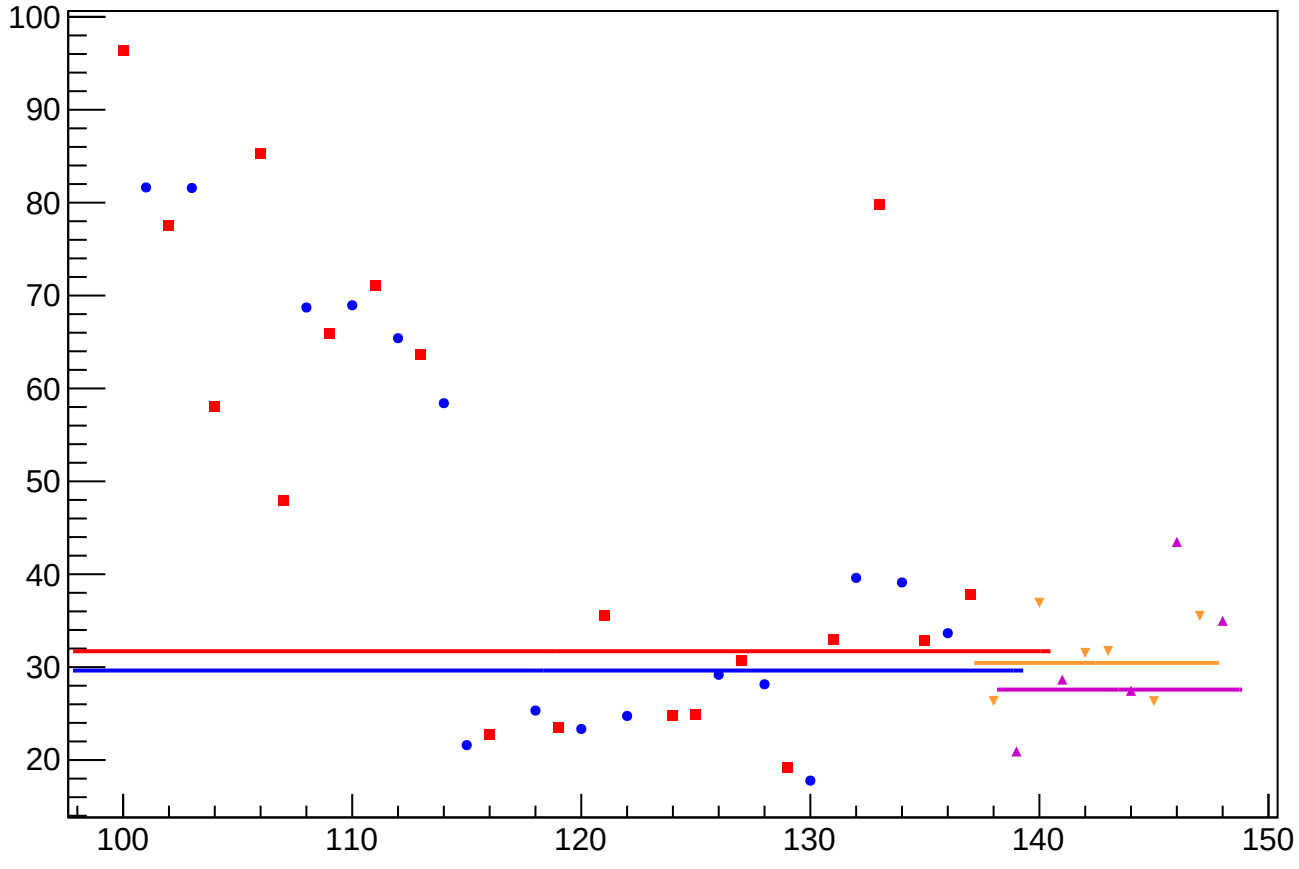
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.003+/-0.010 χ^2/NDF: 24.8/21

All: 0.002+/-0.007 χ^2/NDF: 53.4/45

- sign -0.000+/-0.010 χ^2/NDF: 28.5/23



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

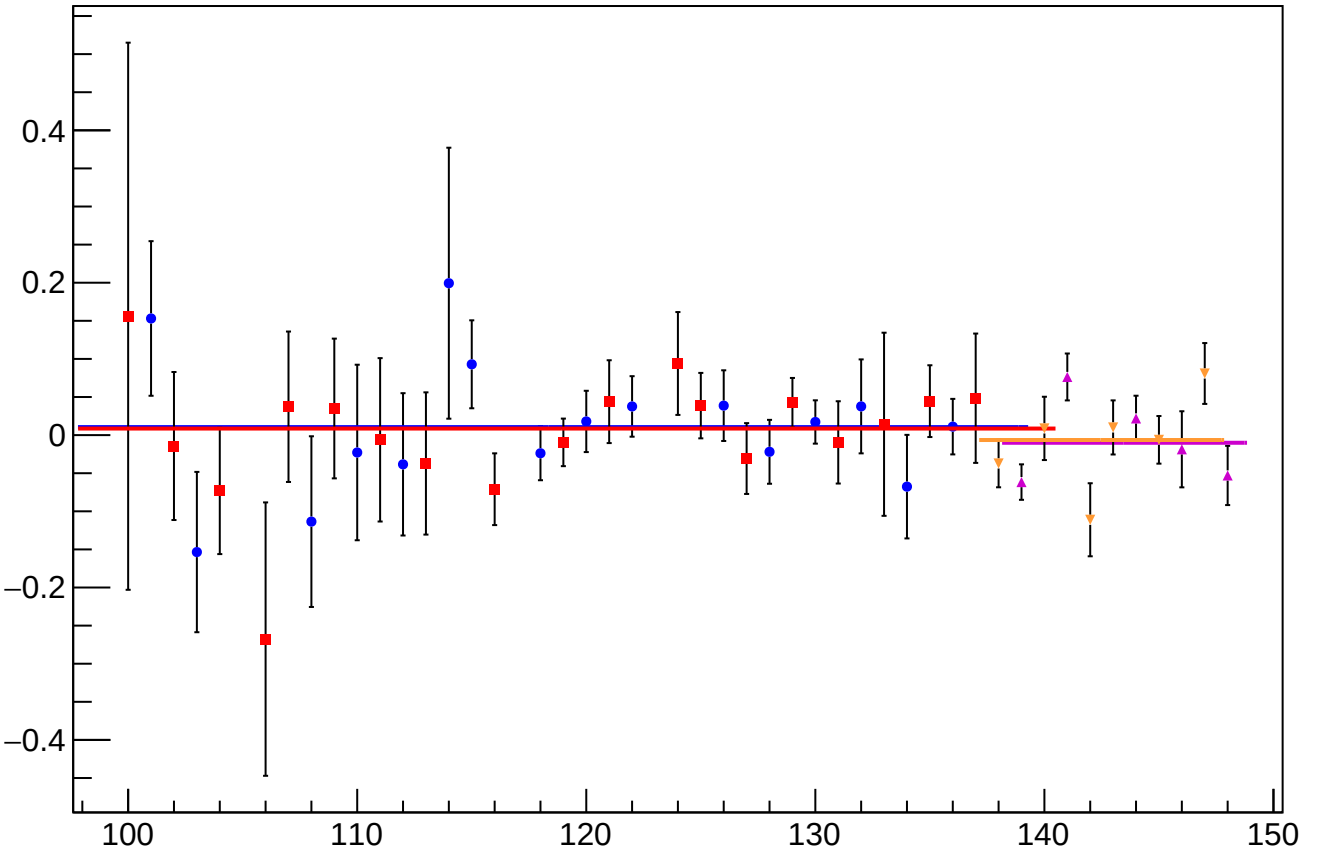
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

+ sign 29.973+/-0.007 χ^2/NDF: 2605361.0/21

All: 29.869+/-0.005 χ^2/NDF: 5790782.0/45

- sign 29.764+/-0.007 χ^2/NDF: 3184945.7/23



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

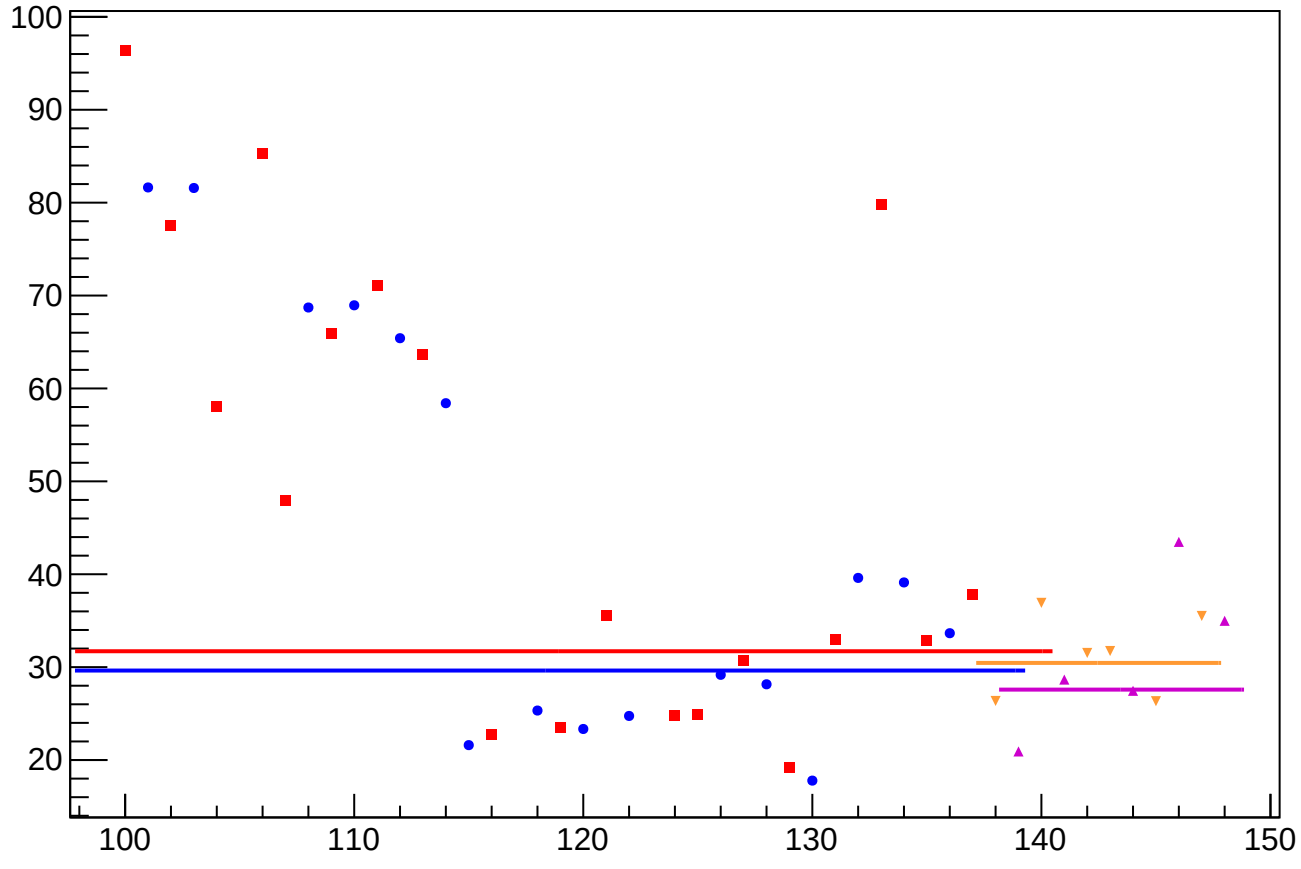
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.003+/-0.010 χ^2/NDF: 24.8/21

All: 0.002+/-0.007 χ^2/NDF: 53.4/45

- sign -0.000+/-0.010 χ^2/NDF: 28.5/23



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

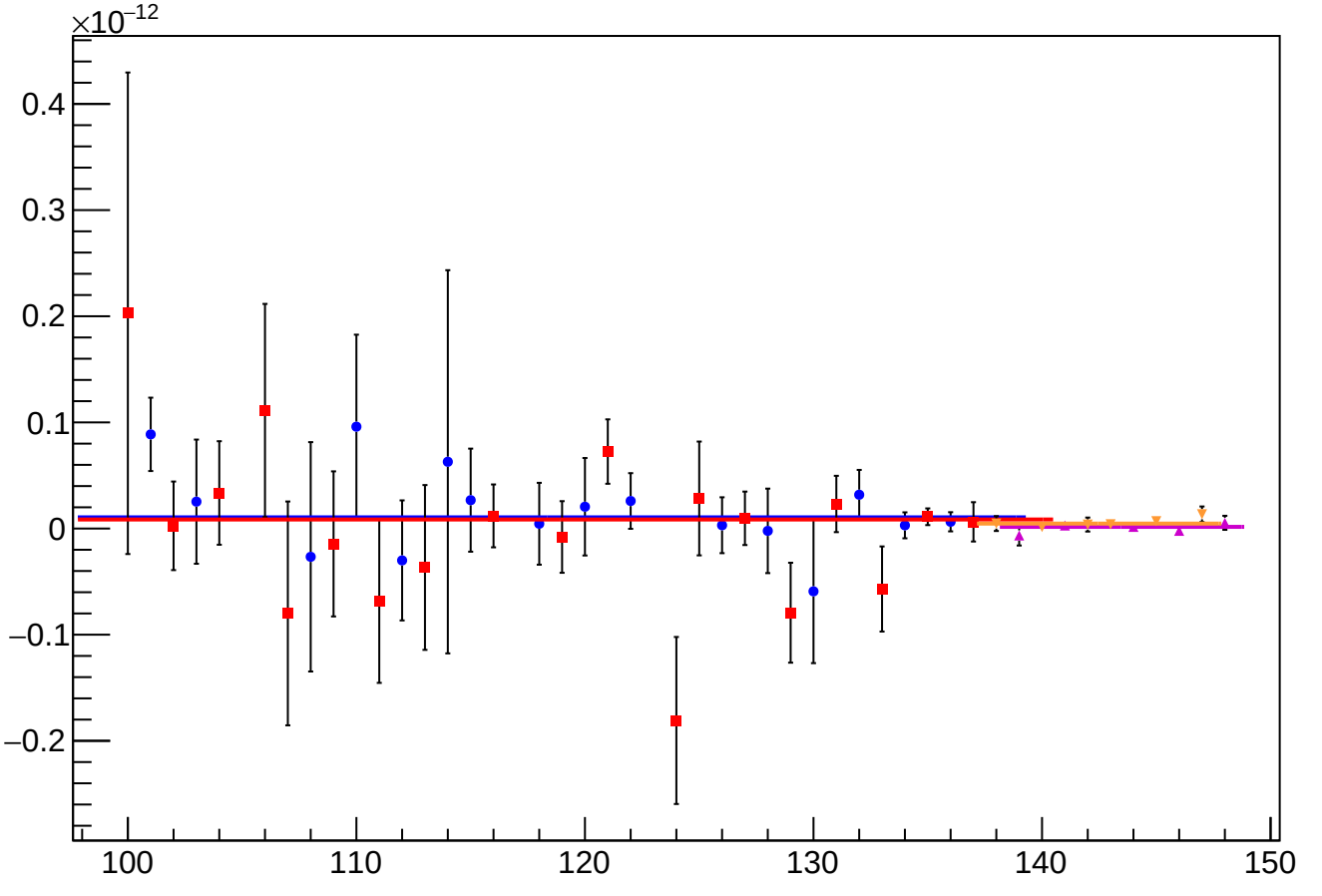
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

\+ sign 29.973+/-0.007 χ^2/NDF: 2605361.0/21

All: 29.869+/-0.005 χ^2/NDF: 5790782.0/45

\- sign 29.764+/-0.007 χ^2/NDF: 3184945.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/5

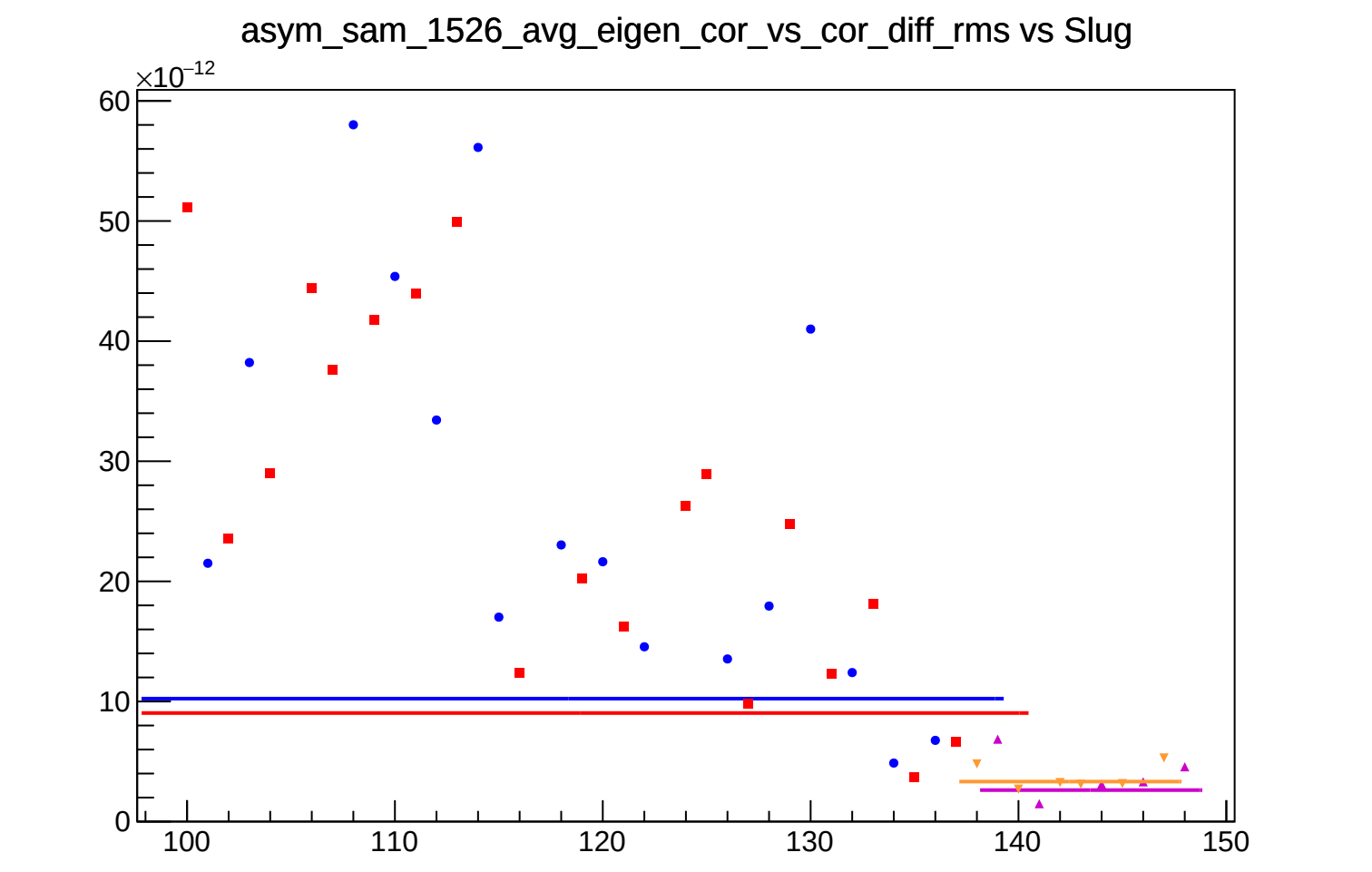
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 13.4/21

All: 0.000+/-0.000 χ^2/NDF: 39.4/45

- sign 0.000+/-0.000 χ^2/NDF: 24.6/23



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

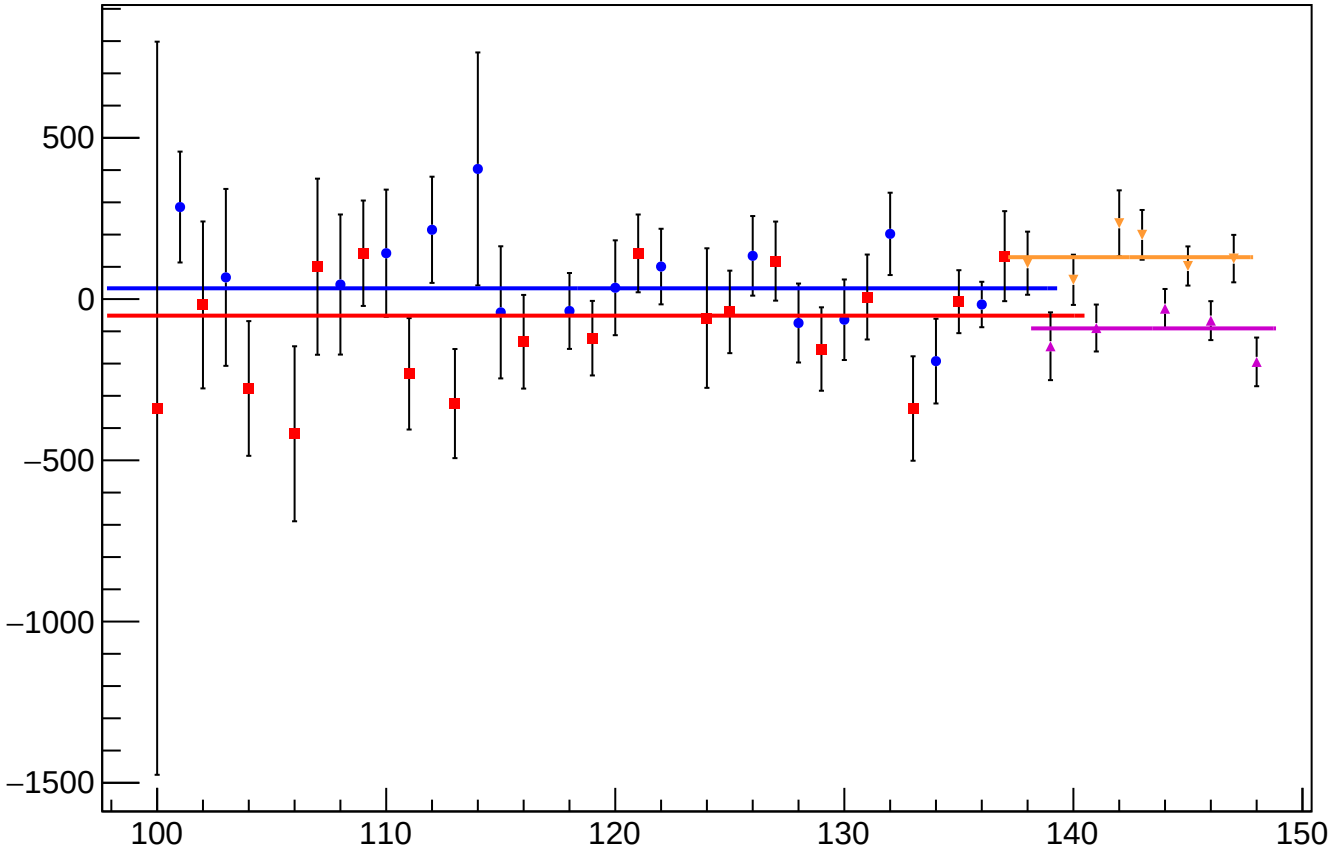
Left In: 0.000+/-0.000 χ^2/NDF:1000096.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 6183409.8/21

All: 0.000+/-0.000 χ^2/NDF: 14034647.5/45

- sign 0.000+/-0.000 χ^2/NDF: 7646851.9/23

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

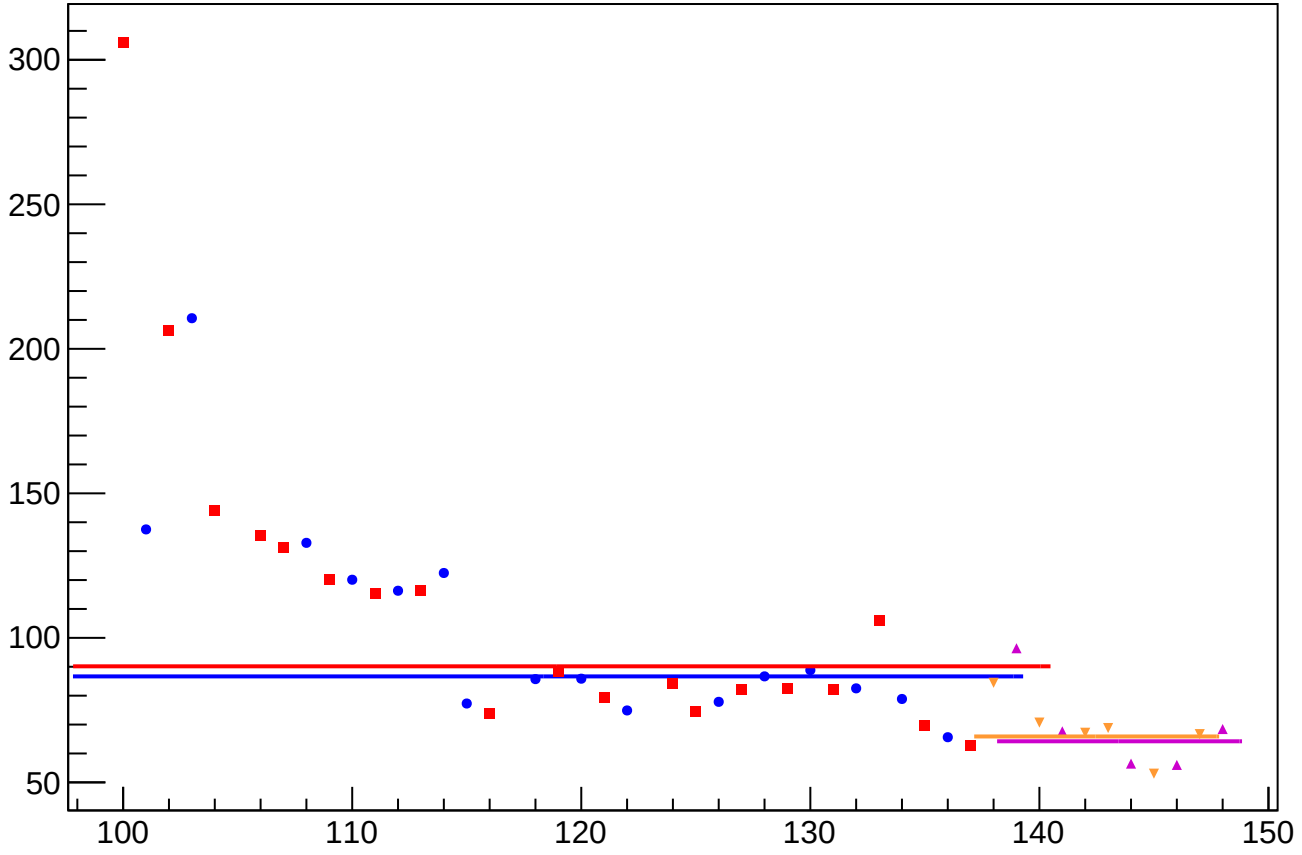
Left In: -90.880+/-31.652 χ^2/NDF:3.3/4

+ sign 84.736+/-23.185 χ^2/NDF: 20.0/21

All: 6.698+/-16.480 χ^2/NDF: 66.6/45

- sign -73.005+/-23.431 χ^2/NDF: 23.6/23

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

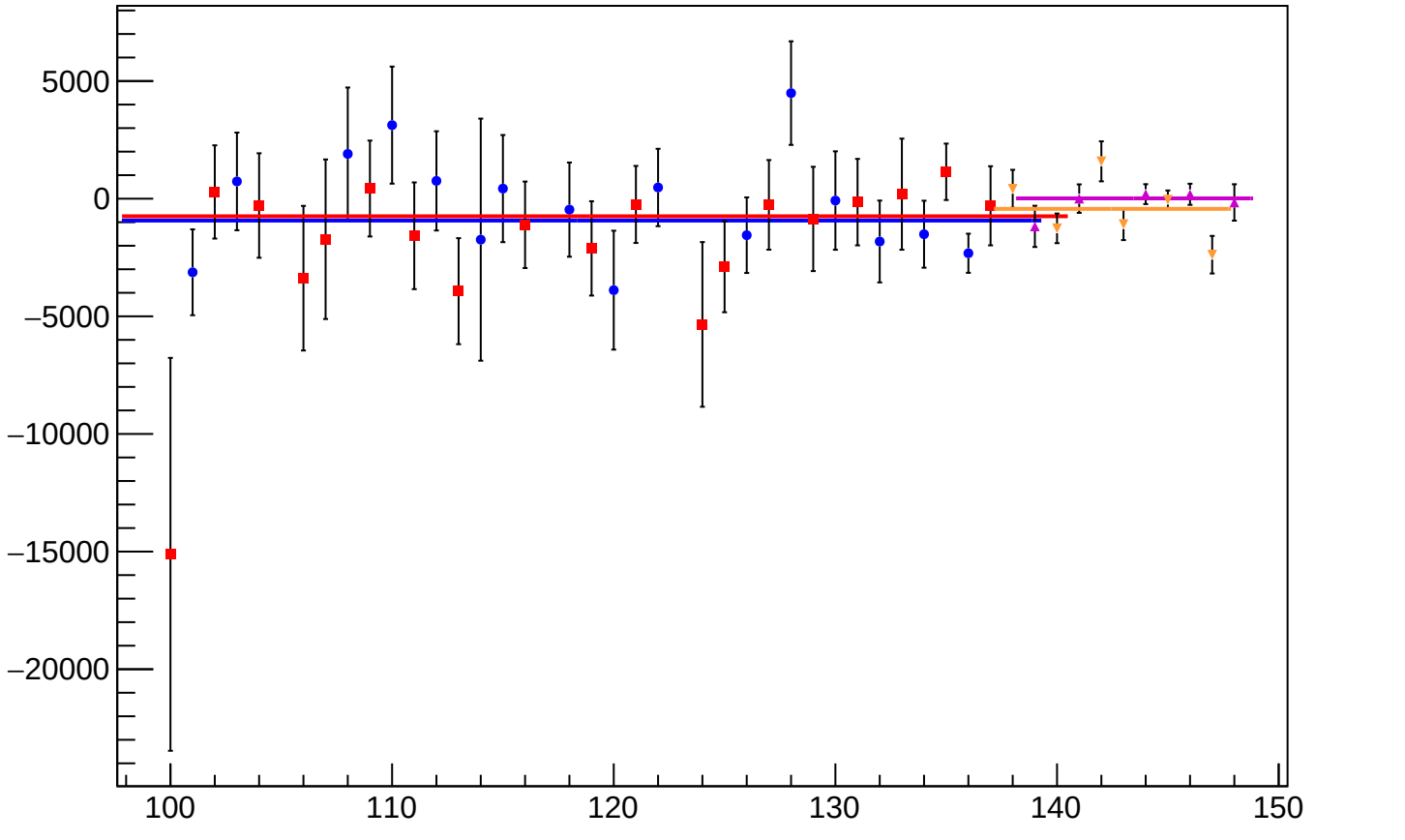
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 75.615+/-0.016 χ^2/NDF: 1611858.3/21

All: 75.775+/-0.012 χ^2/NDF: 3636395.1/45

- sign 75.938+/-0.017 χ^2/NDF: 2024345.4/23



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

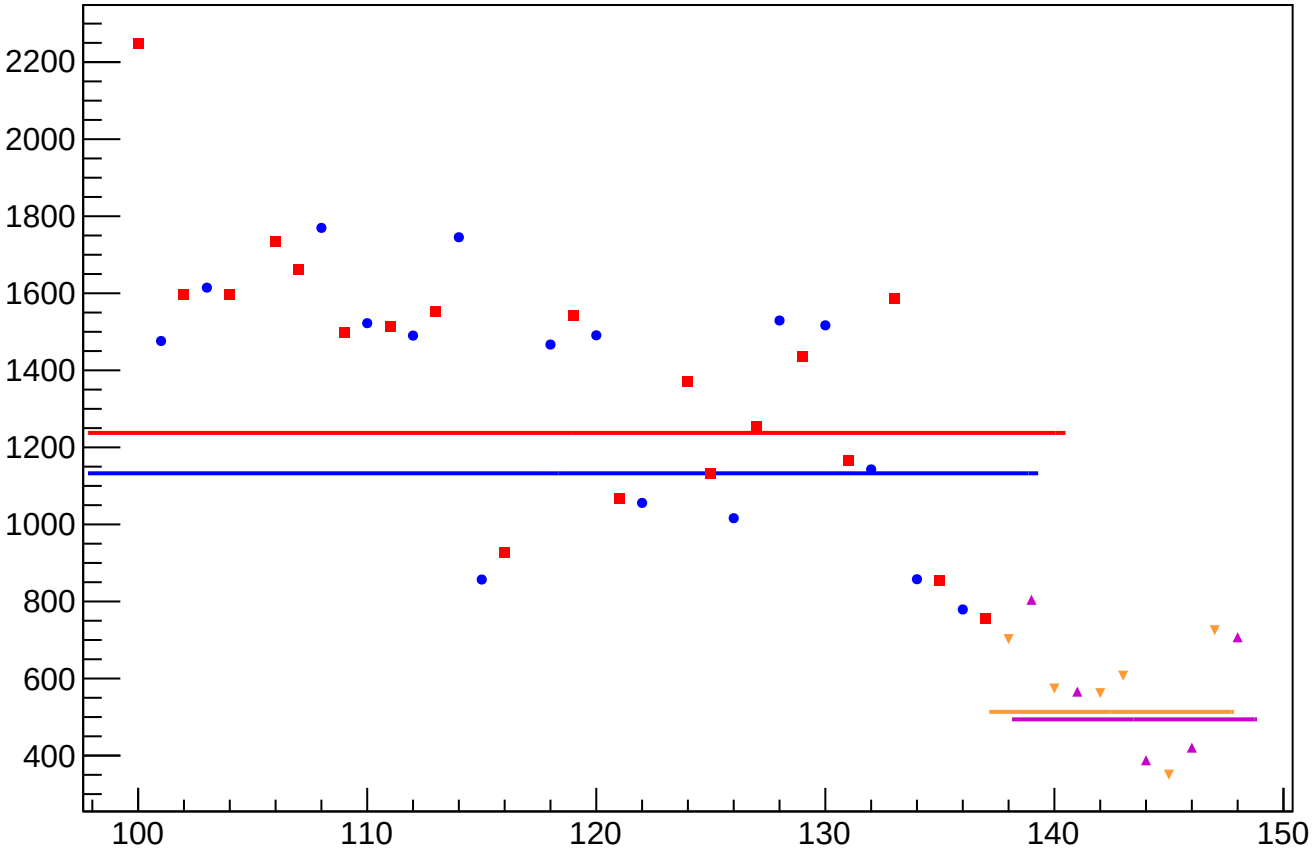
Left In: 13.252+/-247.998 χ^2/NDF:2.2/4

+ sign -555.313+/-219.537 χ^2/NDF: 35.8/21

All: -354.040+/-155.089 χ^2/NDF: 54.8/45

- sign -153.525+/-219.123 χ^2/NDF: 17.3/23

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

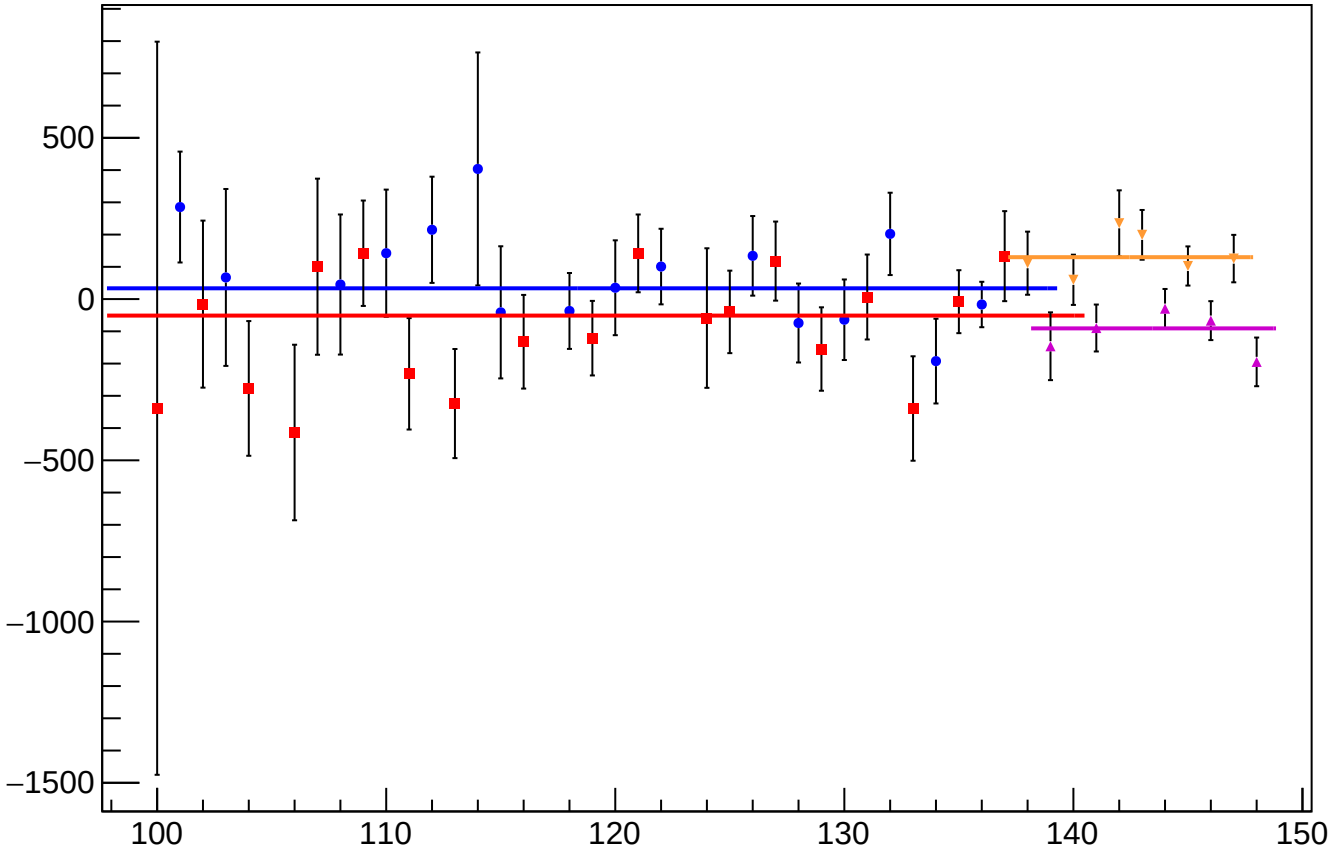
Left In: 493.988+/-0.175 χ^2/NDF:610843.0/4

+ sign 666.967+/-0.155 χ^2/NDF: 4745778.2/21

All: 662.009+/-0.110 χ^2/NDF: 10197449.8/45

- sign 657.069+/-0.155 χ^2/NDF: 5449635.0/23

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

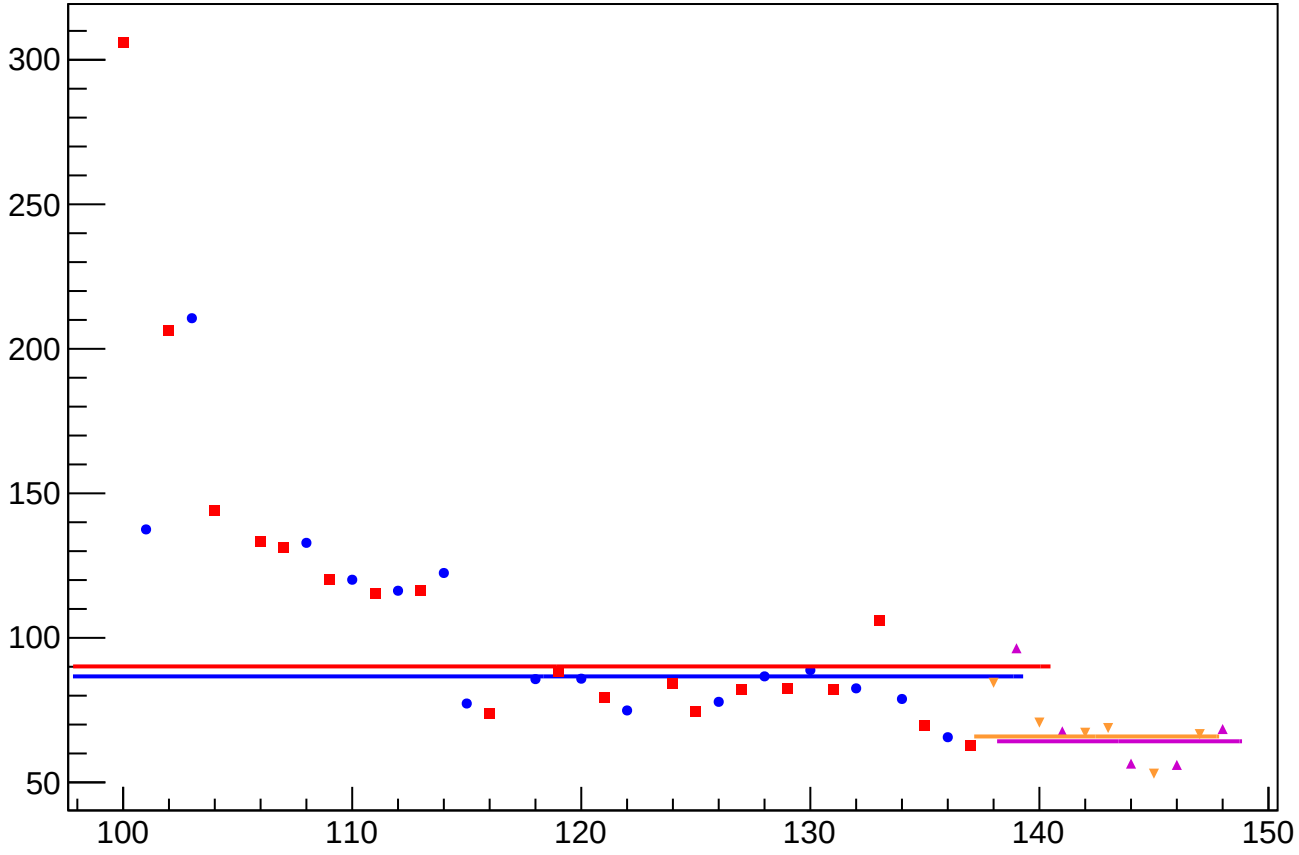
Left In: -90.879+/-31.652 χ^2/NDF:3.3/4

+ sign 84.734+/-23.185 χ^2/NDF: 20.0/21

All: 6.732+/-16.481 χ^2/NDF: 66.5/45

- sign -72.939+/-23.431 χ^2/NDF: 23.6/23

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

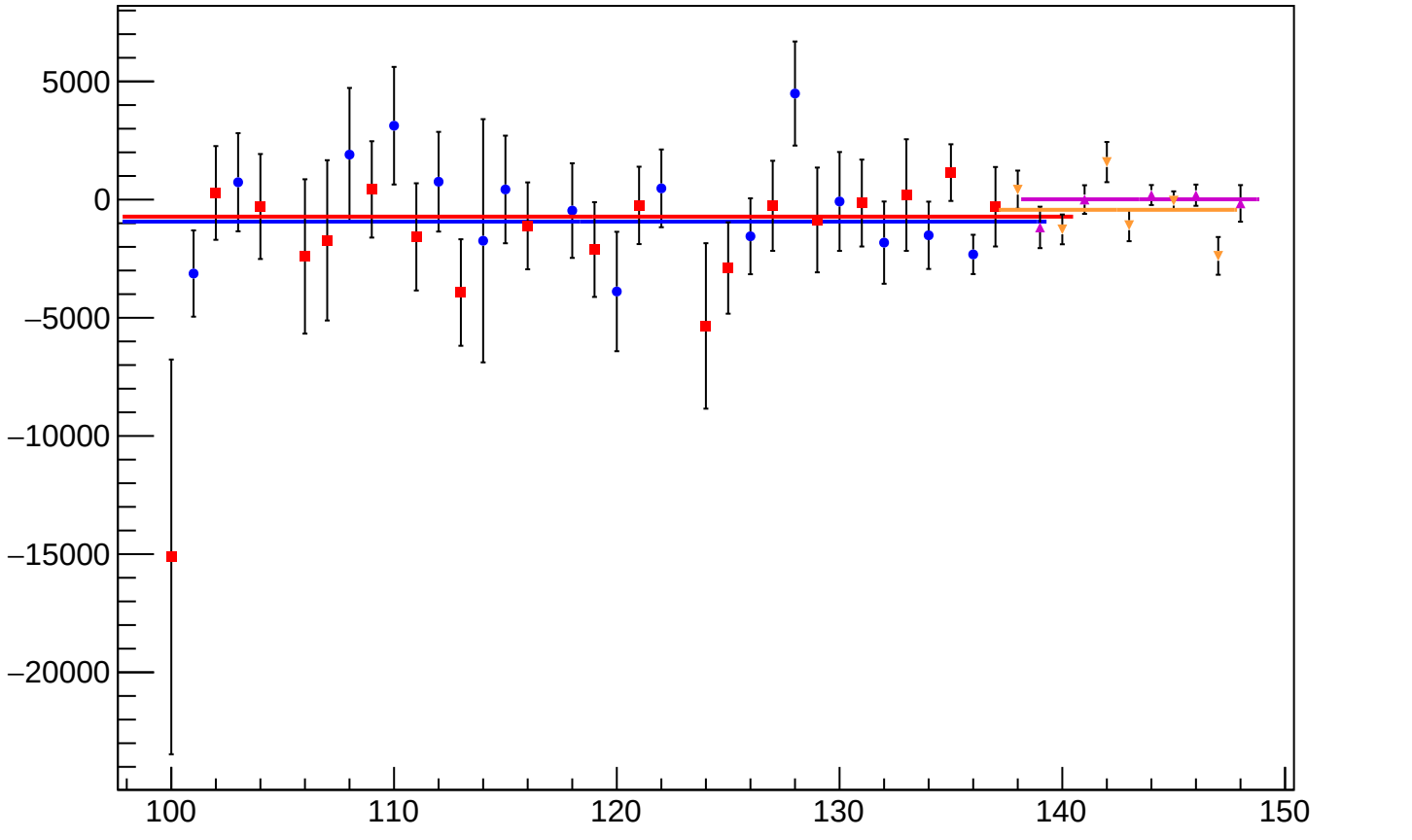
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 75.615+/-0.016 χ^2/NDF: 1611861.0/21

All: 75.766+/-0.012 χ^2/NDF: 3629908.6/45

- sign 75.920+/-0.017 χ^2/NDF: 2017876.5/23



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

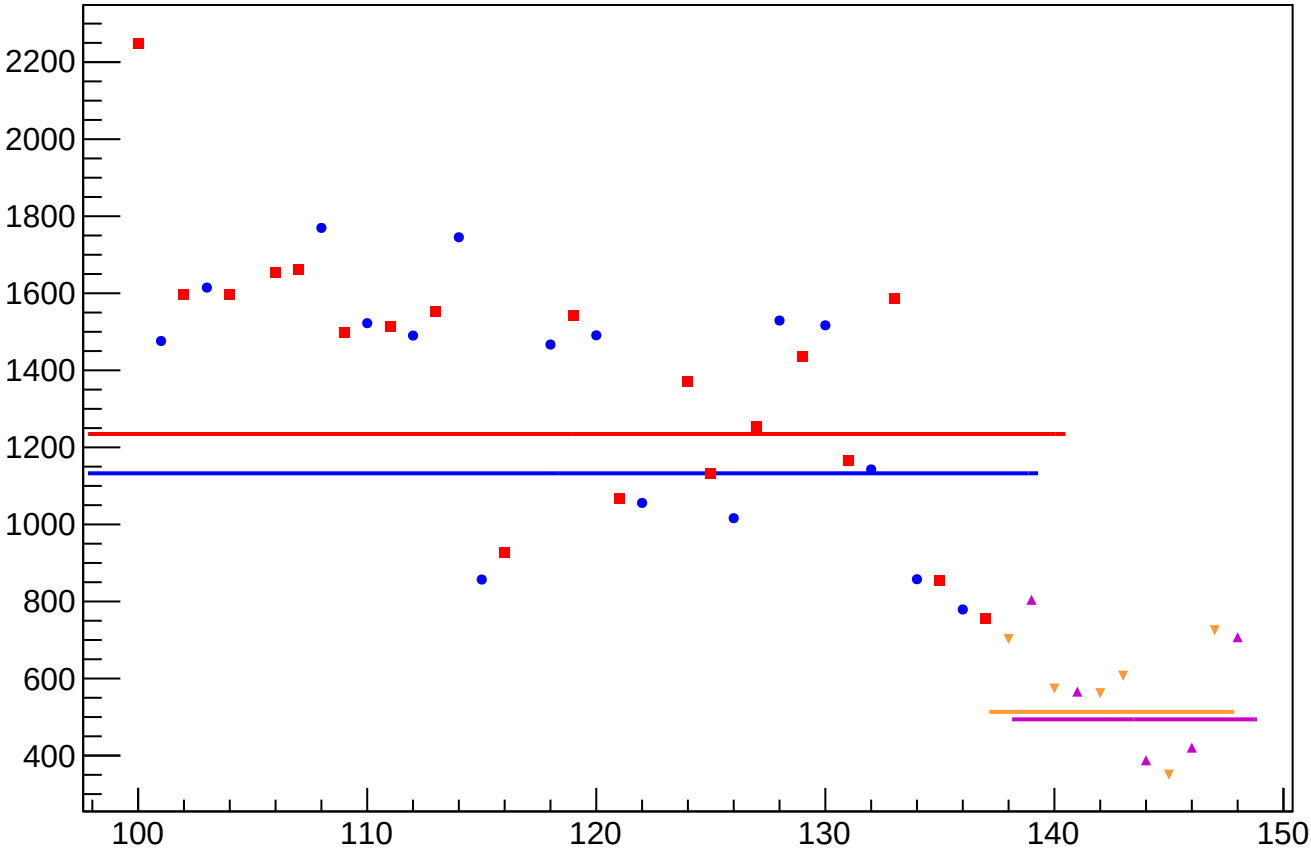
Left In: 13.247+/-247.998 χ^2/NDF:2.2/4

+ sign -555.299+/-219.537 χ^2/NDF: 35.8/21

All: -351.002+/-155.113 χ^2/NDF: 54.2/45

- sign -147.354+/-219.188 χ^2/NDF: 16.7/23

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

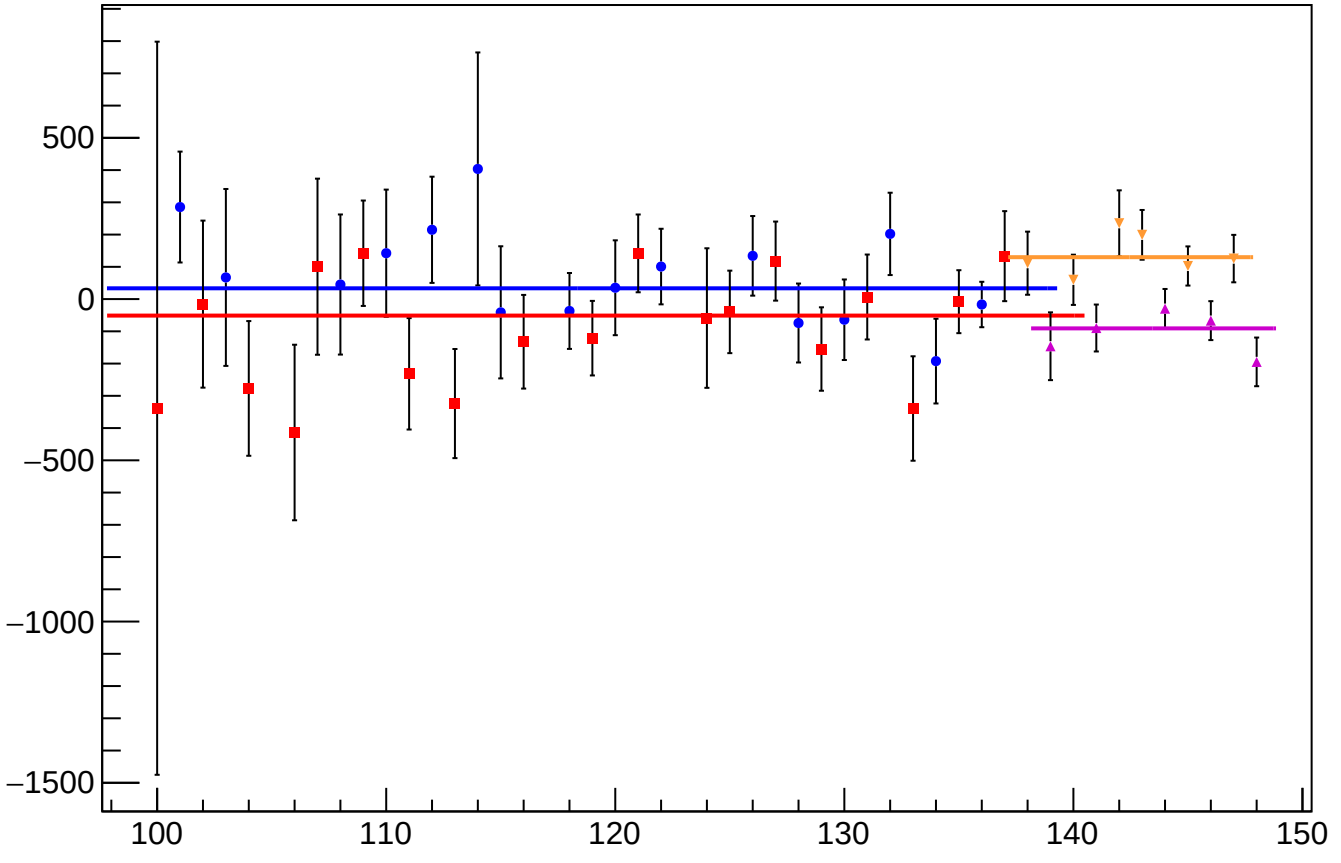
Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

+ sign 666.967+/-0.155 χ^2/NDF: 4745819.8/21

All: 661.521+/-0.110 χ^2/NDF: 10140046.7/45

- sign 656.092+/-0.155 χ^2/NDF: 5391769.3/23

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

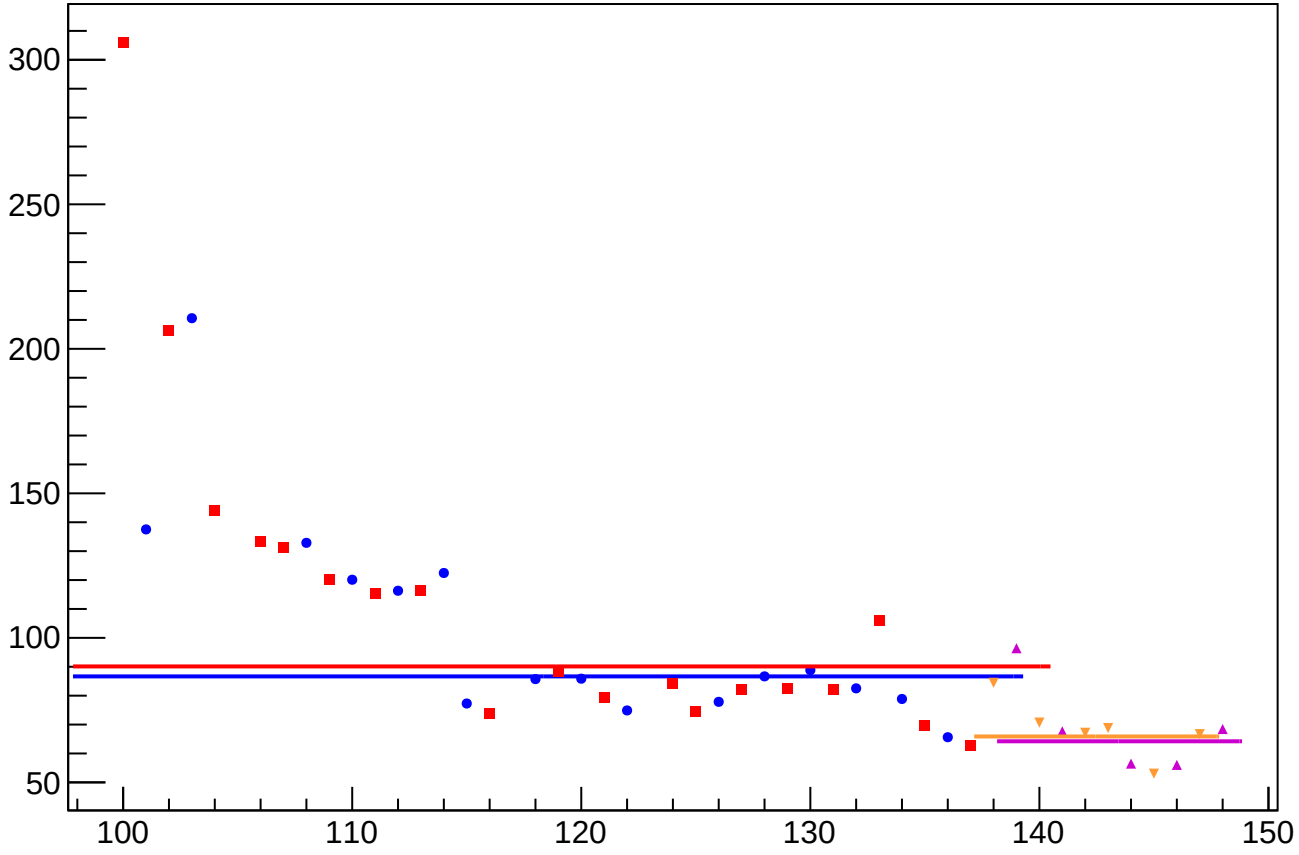
Left In: -90.879+/-31.652 χ^2/NDF:3.3/4

+ sign 84.734+/-23.185 χ^2/NDF: 20.0/21

All: 6.732+/-16.481 χ^2/NDF: 66.5/45

- sign -72.939+/-23.431 χ^2/NDF: 23.6/23

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

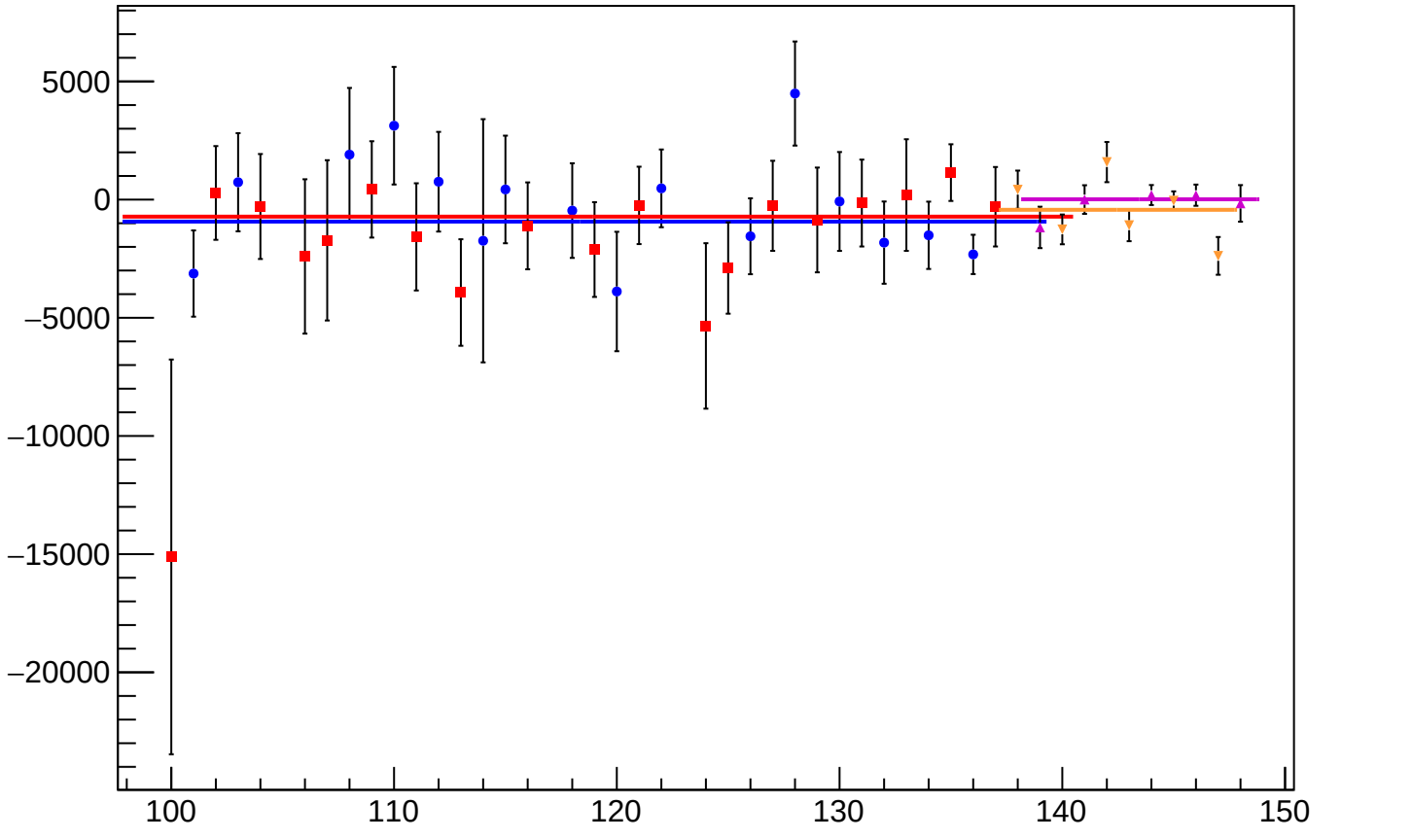
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 75.615+/-0.016 χ^2/NDF: 1611861.0/21

All: 75.766+/-0.012 χ^2/NDF: 3629908.6/45

- sign 75.920+/-0.017 χ^2/NDF: 2017876.5/23



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

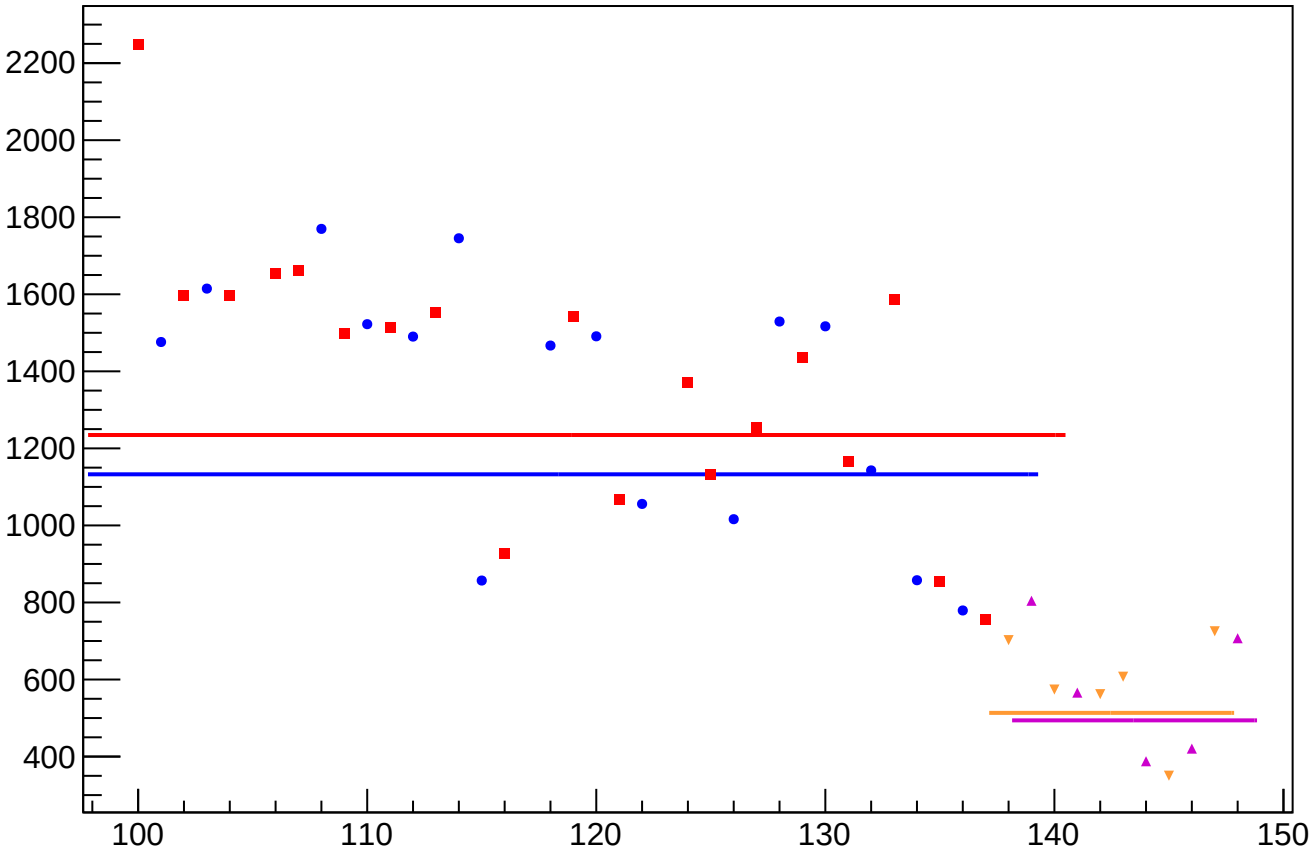
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 13.247+/-247.998 χ^2/NDF:2.2/4

+ sign -555.299+/-219.537 χ^2/NDF: 35.8/21

All: -351.002+/-155.113 χ^2/NDF: 54.2/45

- sign -147.354+/-219.188 χ^2/NDF: 16.7/23



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

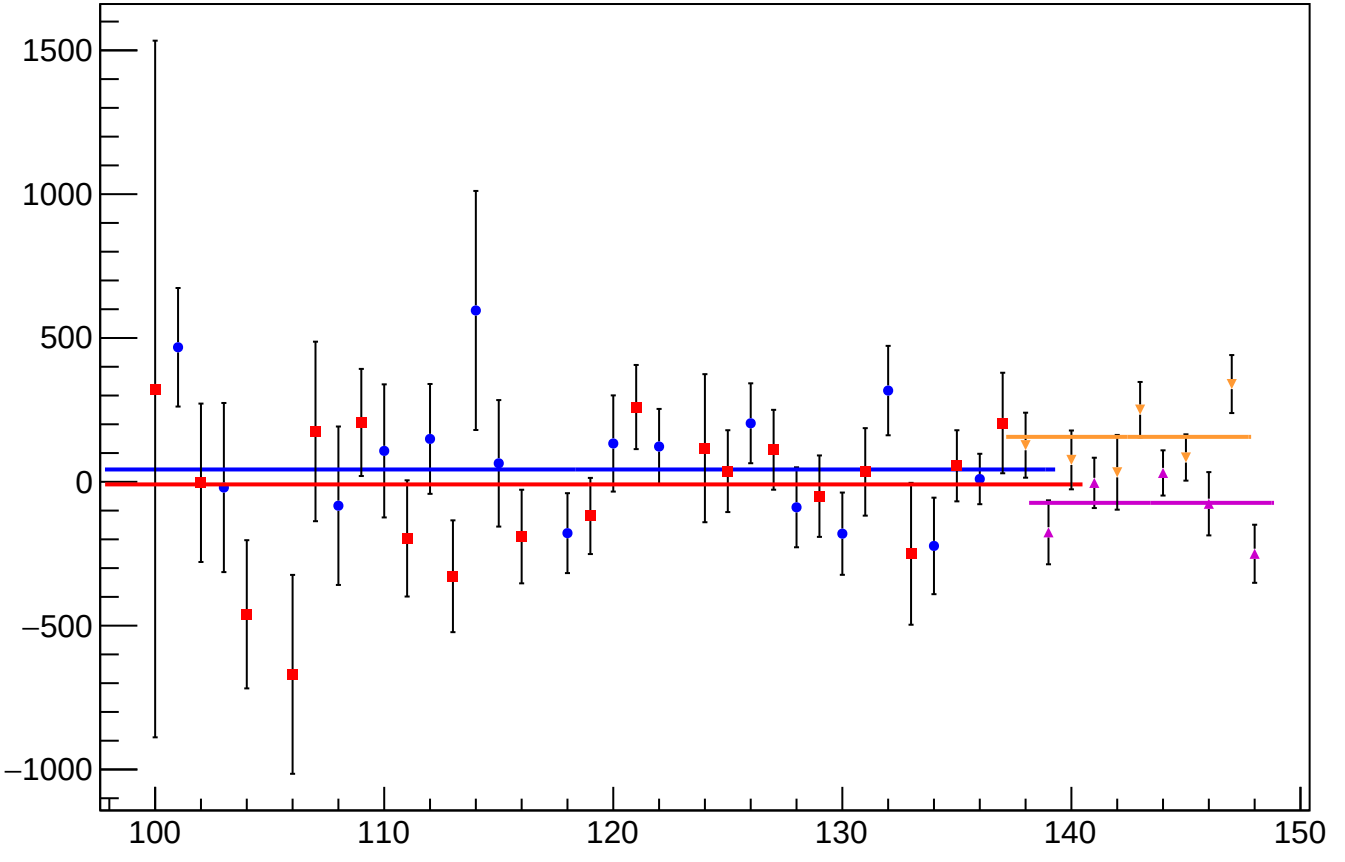
Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

+ sign 666.967+/-0.155 χ^2/NDF: 4745819.8/21

All: 661.521+/-0.110 χ^2/NDF: 10140046.7/45

- sign 656.092+/-0.155 χ^2/NDF: 5391769.3/23

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

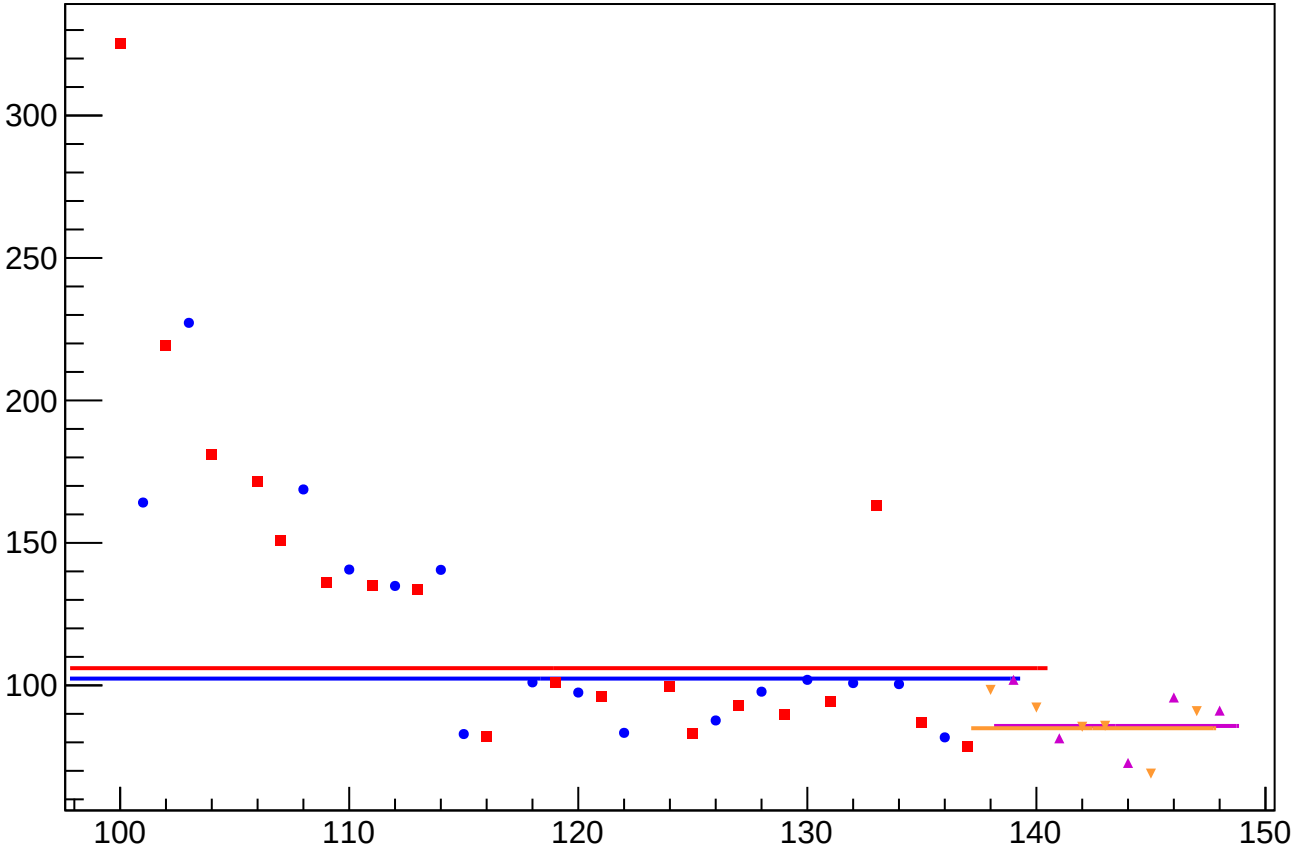
Left In: -73.114+/-42.478 χ^2/NDF:6.3/4

+ sign 98.091+/-28.620 χ^2/NDF: 30.9/21

All: 31.206+/-20.549 χ^2/NDF: 71.0/45

- sign -39.963+/-29.522 χ^2/NDF: 28.8/23

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

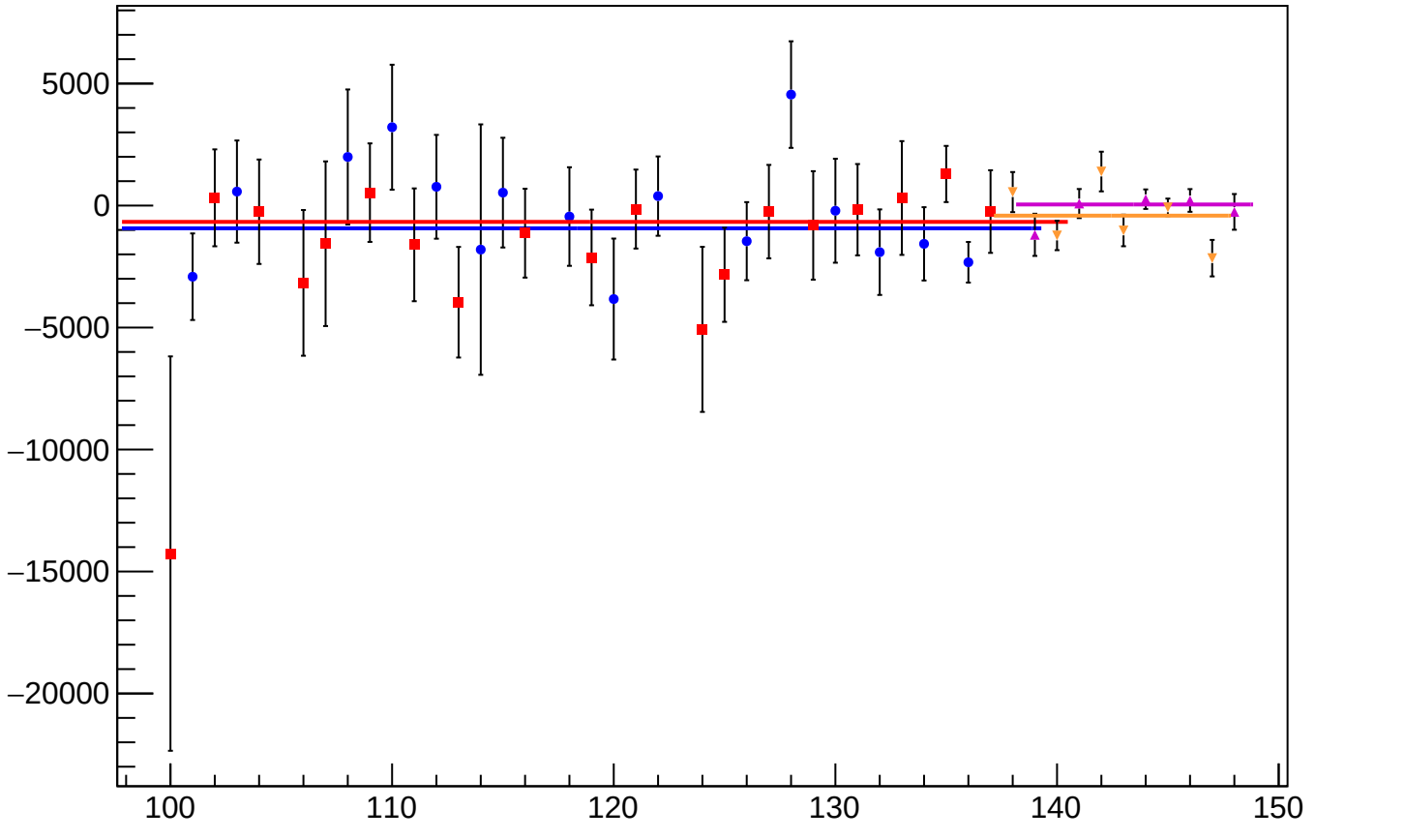
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.753+/-0.030 χ^2/NDF:124061.3/4

\+ sign 93.897+/-0.020 χ^2/NDF: 1291609.3/21

All: 95.031+/-0.015 χ^2/NDF: 2849086.8/45

\- sign 96.237+/-0.021 χ^2/NDF: 1551000.7/23



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

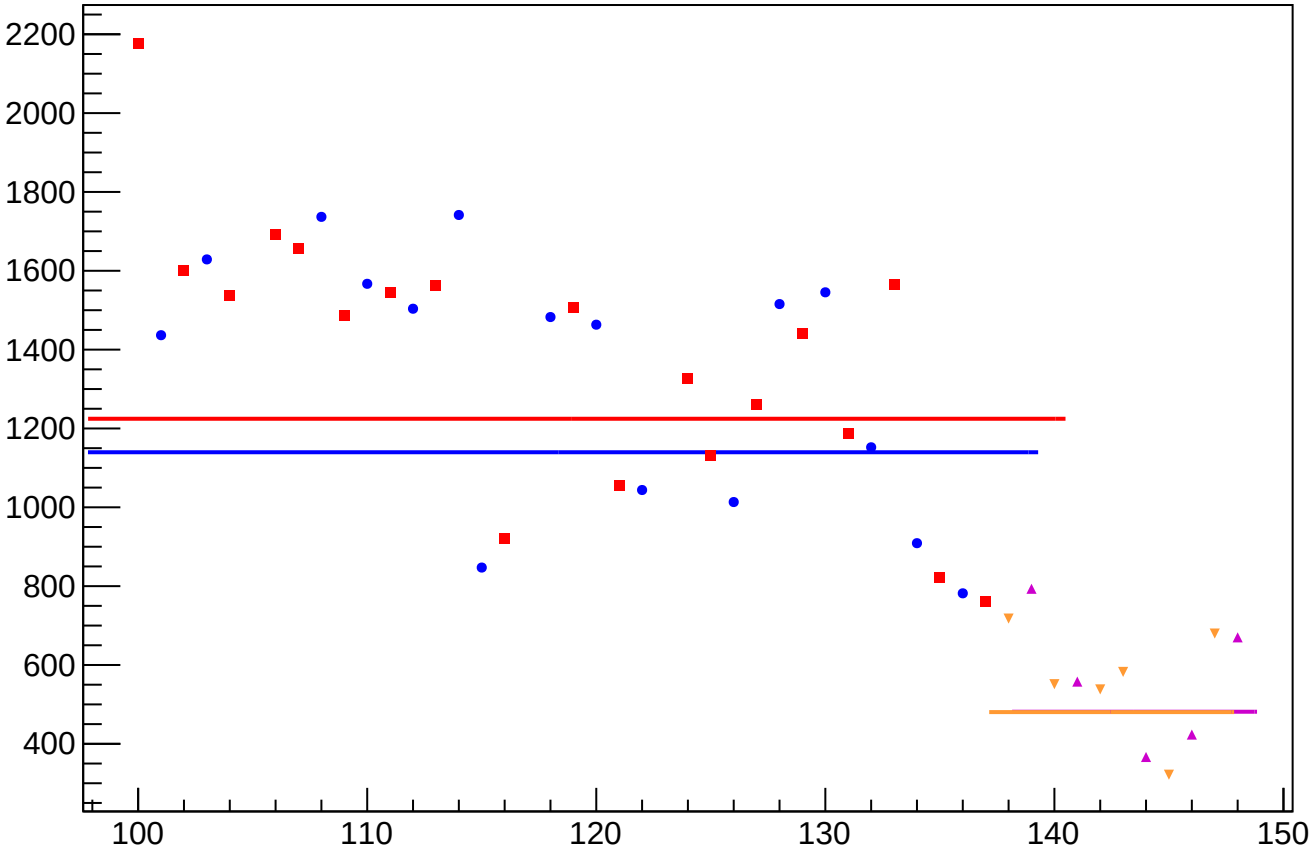
Left In: 44.597+/-243.274 χ^2/NDF:2.7/4

+ sign -529.301+/-209.573 χ^2/NDF: 34.9/21

All: -325.169+/-150.201 χ^2/NDF: 54.8/45

- sign -109.573+/-215.377 χ^2/NDF: 18.0/23

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

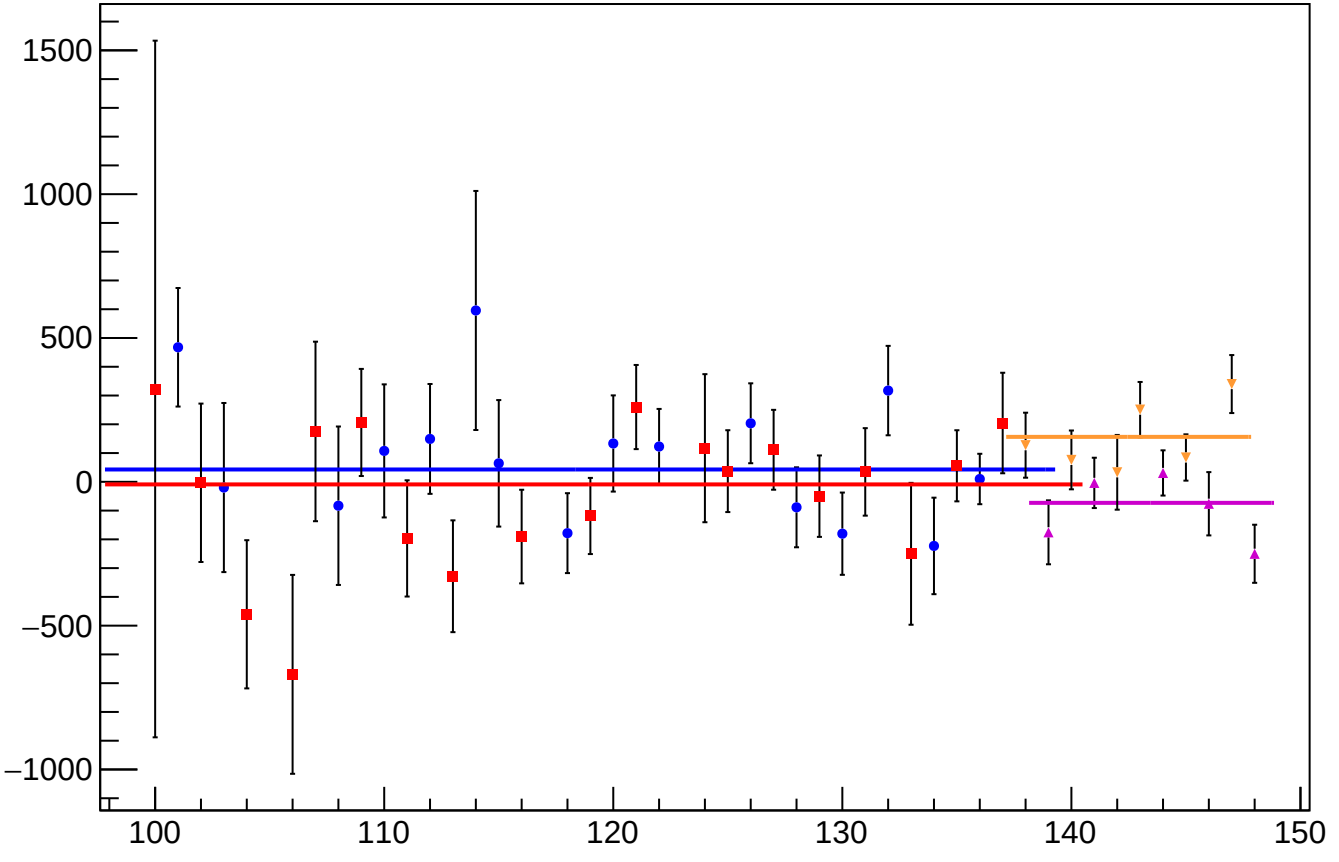
Left In: 481.402+/-0.172 χ^2/NDF:622288.0/4

+ sign 628.214+/-0.148 χ^2/NDF: 5319862.5/21

All: 634.960+/-0.106 χ^2/NDF: 10904606.4/45

- sign 642.084+/-0.152 χ^2/NDF: 5580483.9/23

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

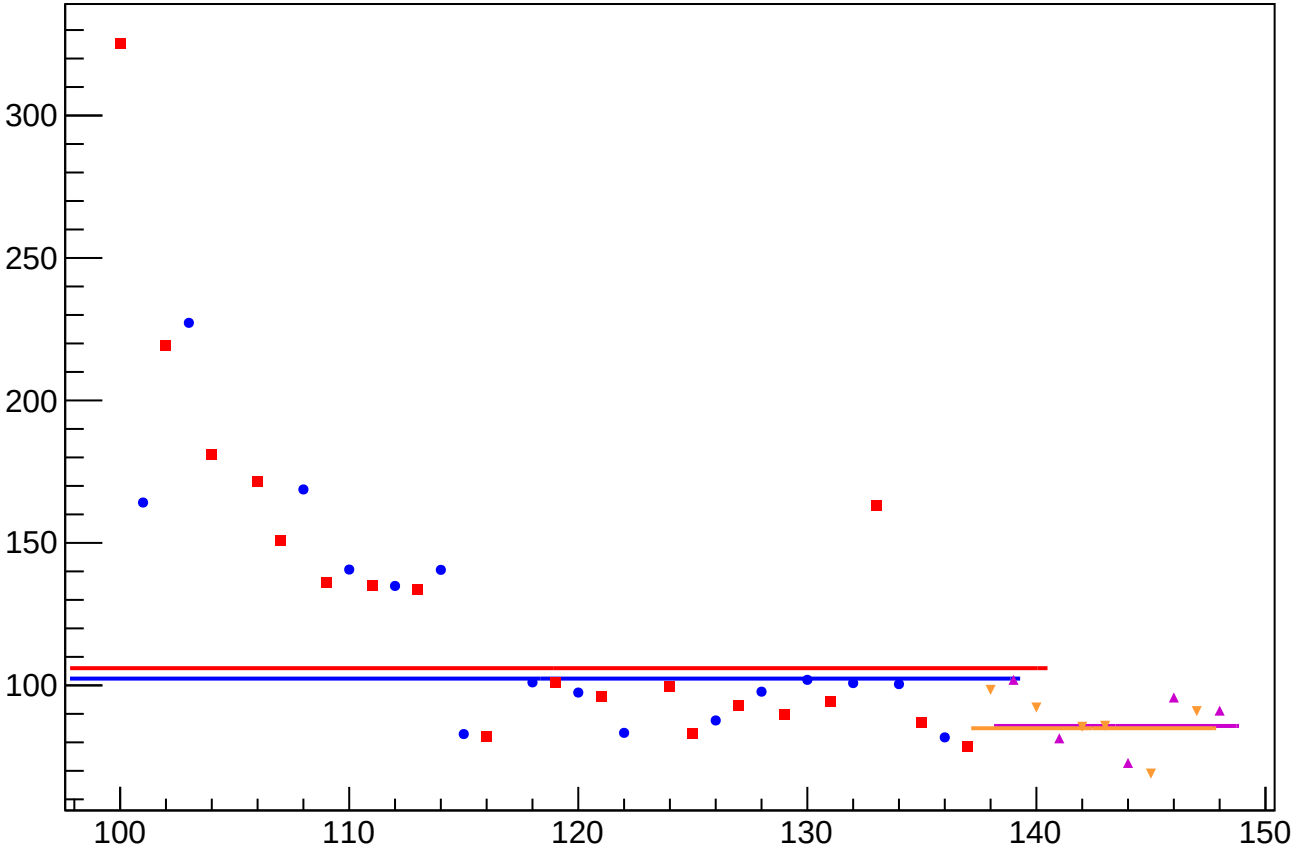
Left In: -73.114+/-42.478 χ^2/NDF:6.3/4

+ sign 98.090+/-28.620 χ^2/NDF: 30.9/21

All: 31.206+/-20.549 χ^2/NDF: 71.0/45

- sign -39.961+/-29.522 χ^2/NDF: 28.8/23

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

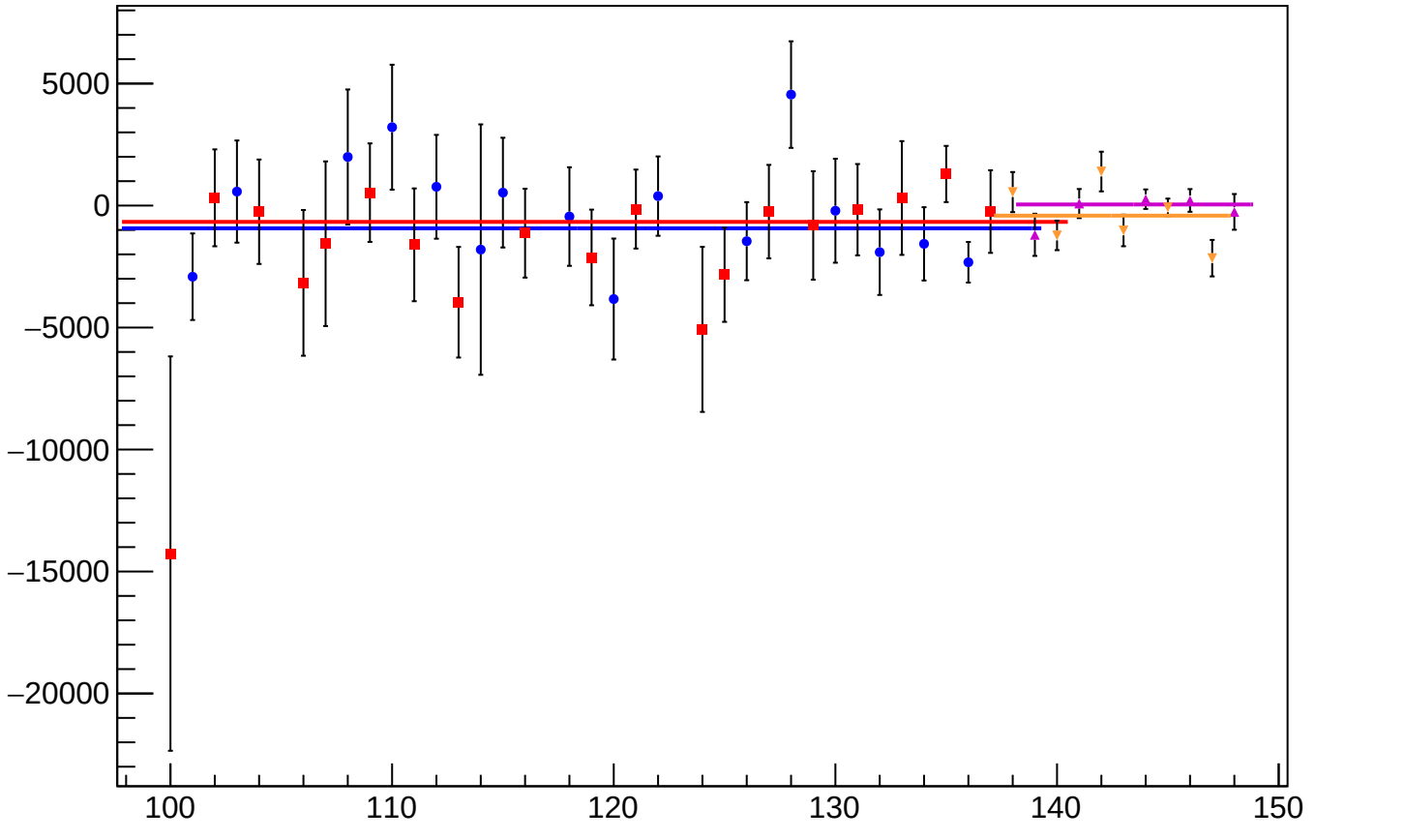
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.754+/-0.030 χ^2/NDF:124058.7/4

+ sign 93.897+/-0.020 χ^2/NDF: 1291579.3/21

All: 95.031+/-0.015 χ^2/NDF: 2849044.4/45

- sign 96.237+/-0.021 χ^2/NDF: 1550988.1/23



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

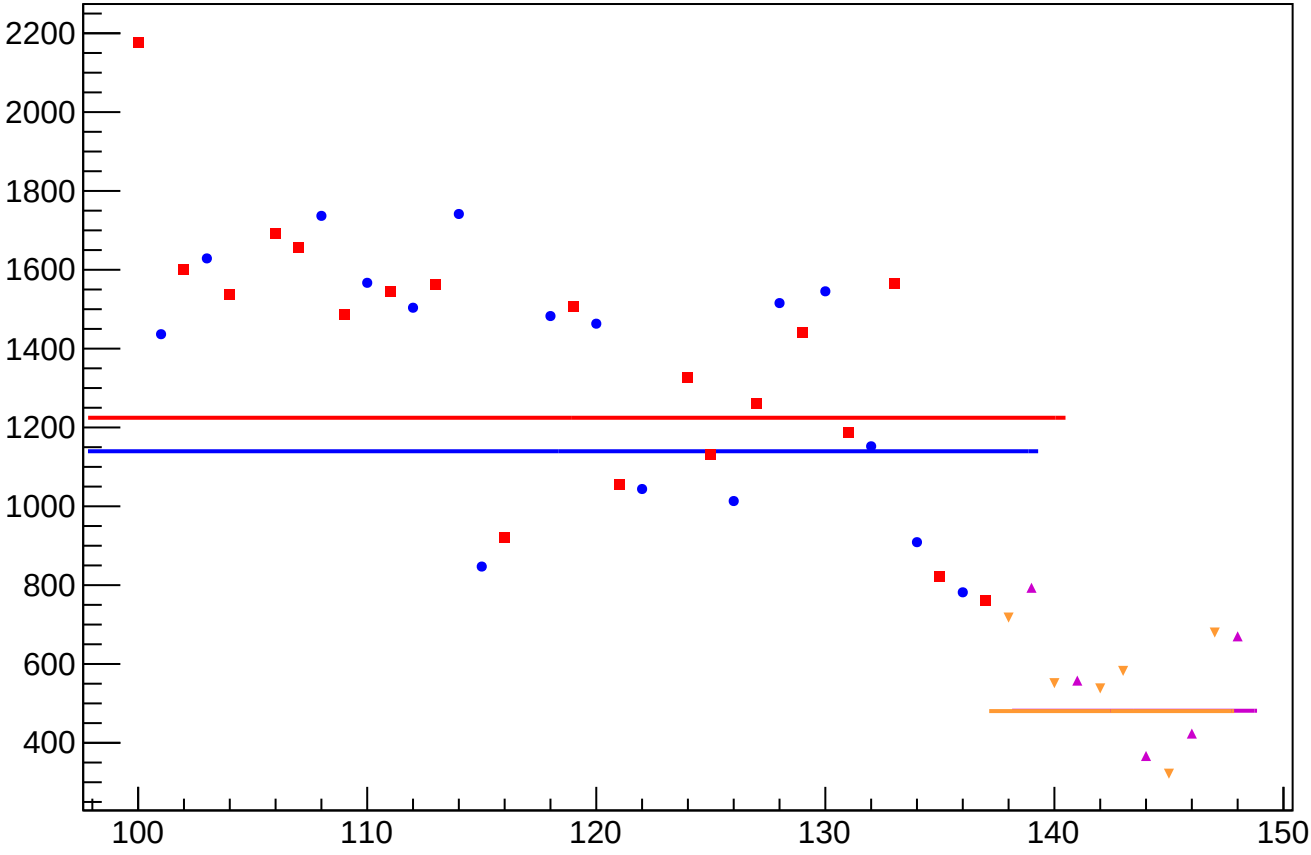
Left In: 44.598+/-243.274 χ^2/NDF:2.7/4

+ sign -529.300+/-209.573 χ^2/NDF: 34.9/21

All: -325.169+/-150.201 χ^2/NDF: 54.8/45

- sign -109.573+/-215.377 χ^2/NDF: 18.0/23

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



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

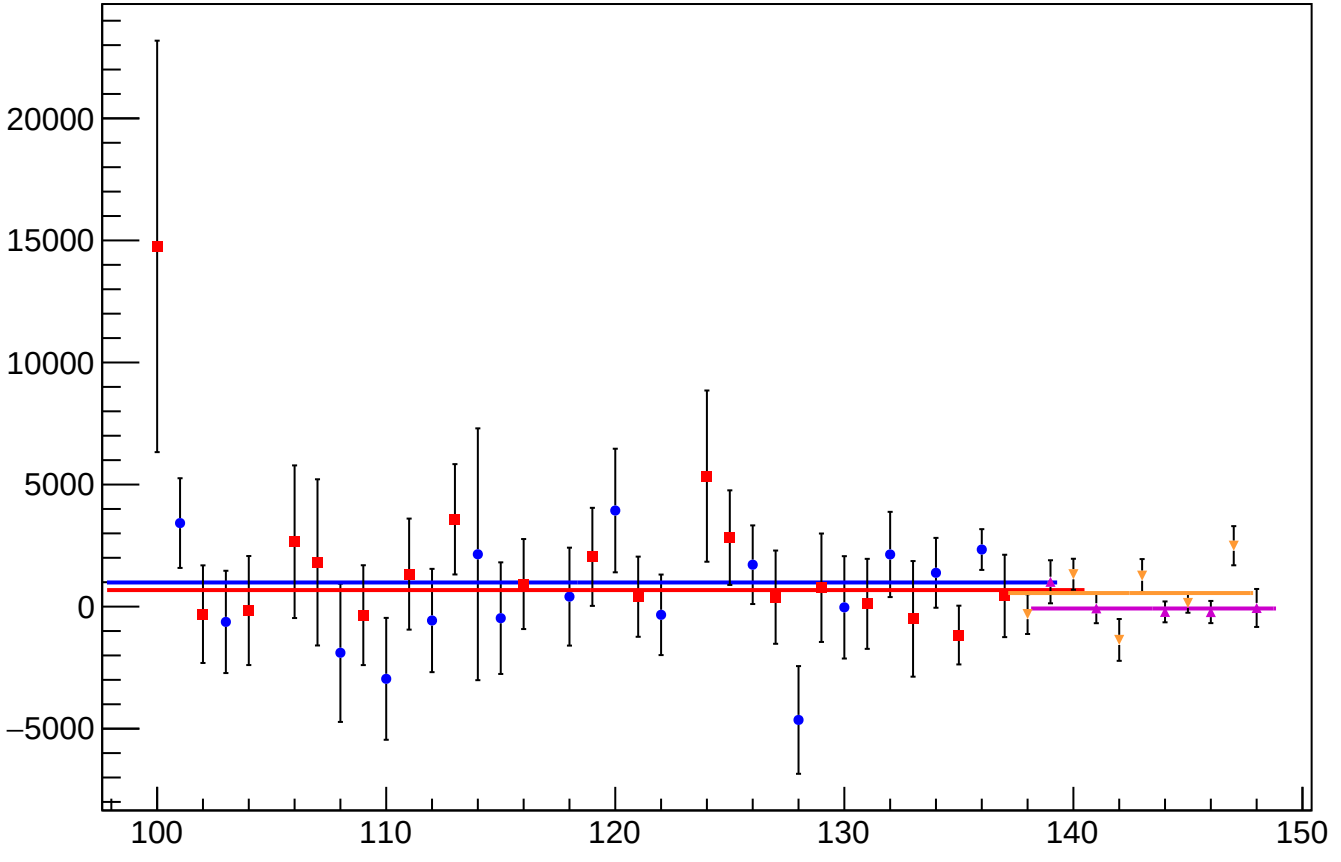
Left In: 481.402+/-0.172 χ^2/NDF:622289.9/4

+ sign 628.213+/-0.148 χ^2/NDF: 5319875.2/21

All: 634.958+/-0.106 χ^2/NDF: 10904615.0/45

- sign 642.083+/-0.152 χ^2/NDF: 5580479.2/23

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

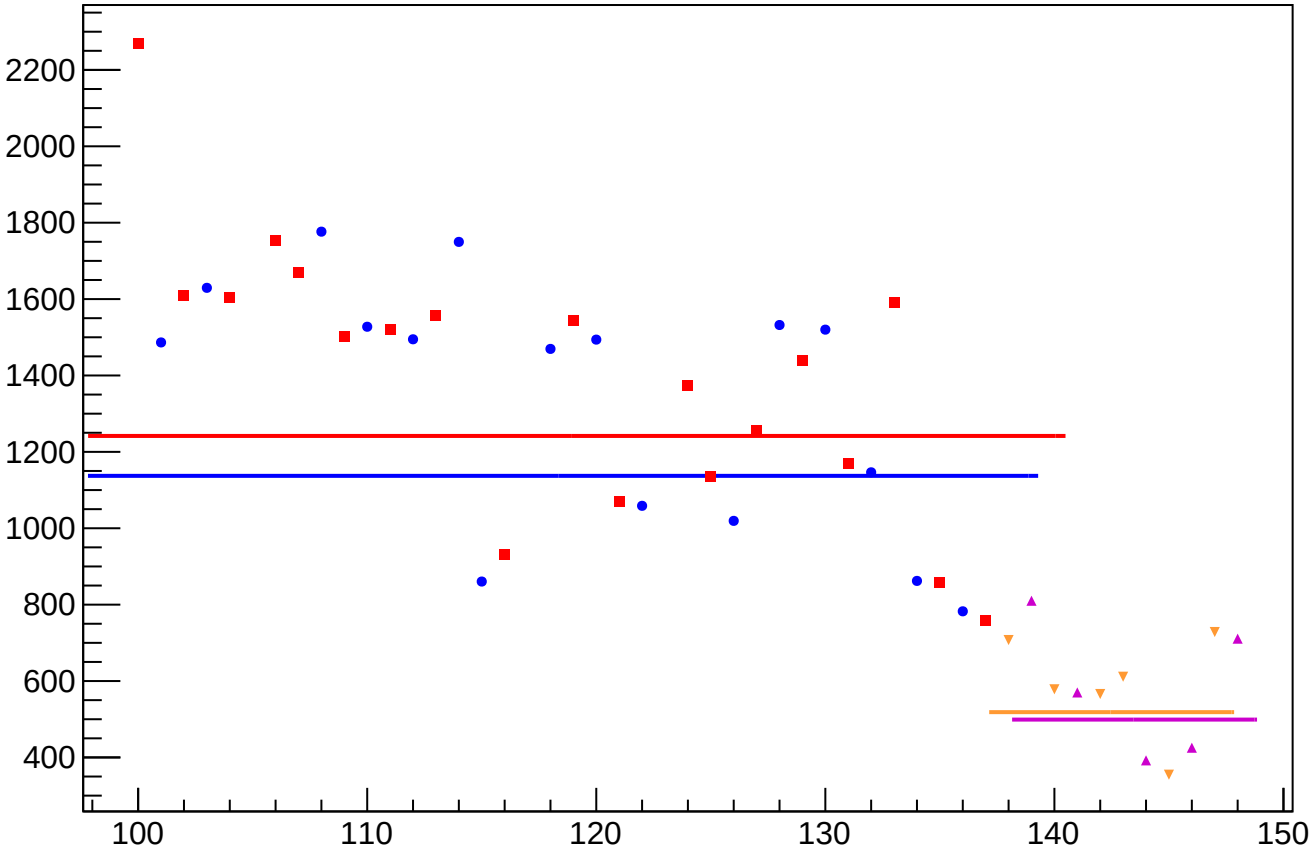
Left In: -76.881+/-250.396 χ^2/NDF:1.7/4

+ sign 664.392+/-221.281 χ^2/NDF: 35.3/21

All: 376.831+/-156.354 χ^2/NDF: 54.4/45

- sign 90.119+/-220.954 χ^2/NDF: 15.7/23

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

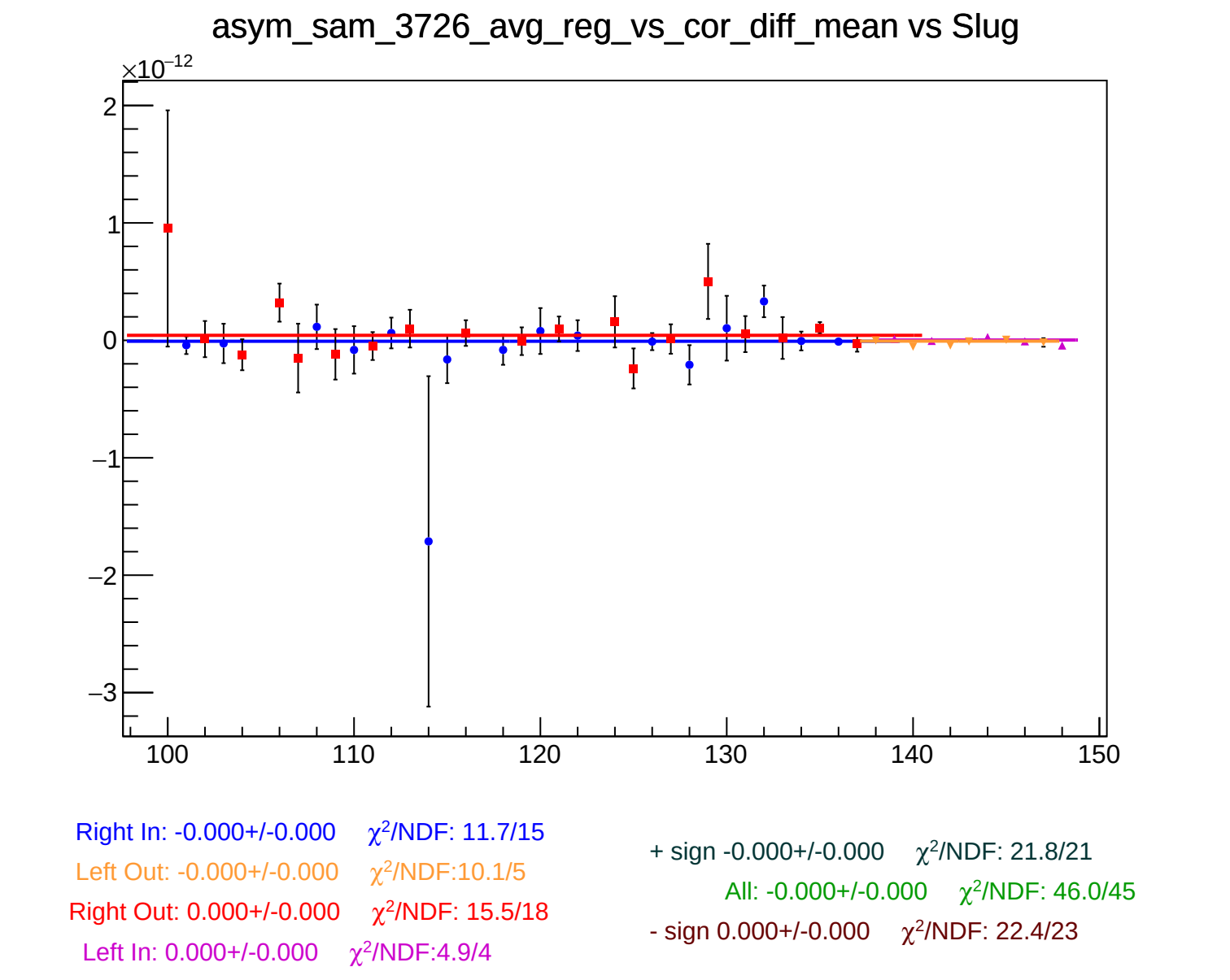
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

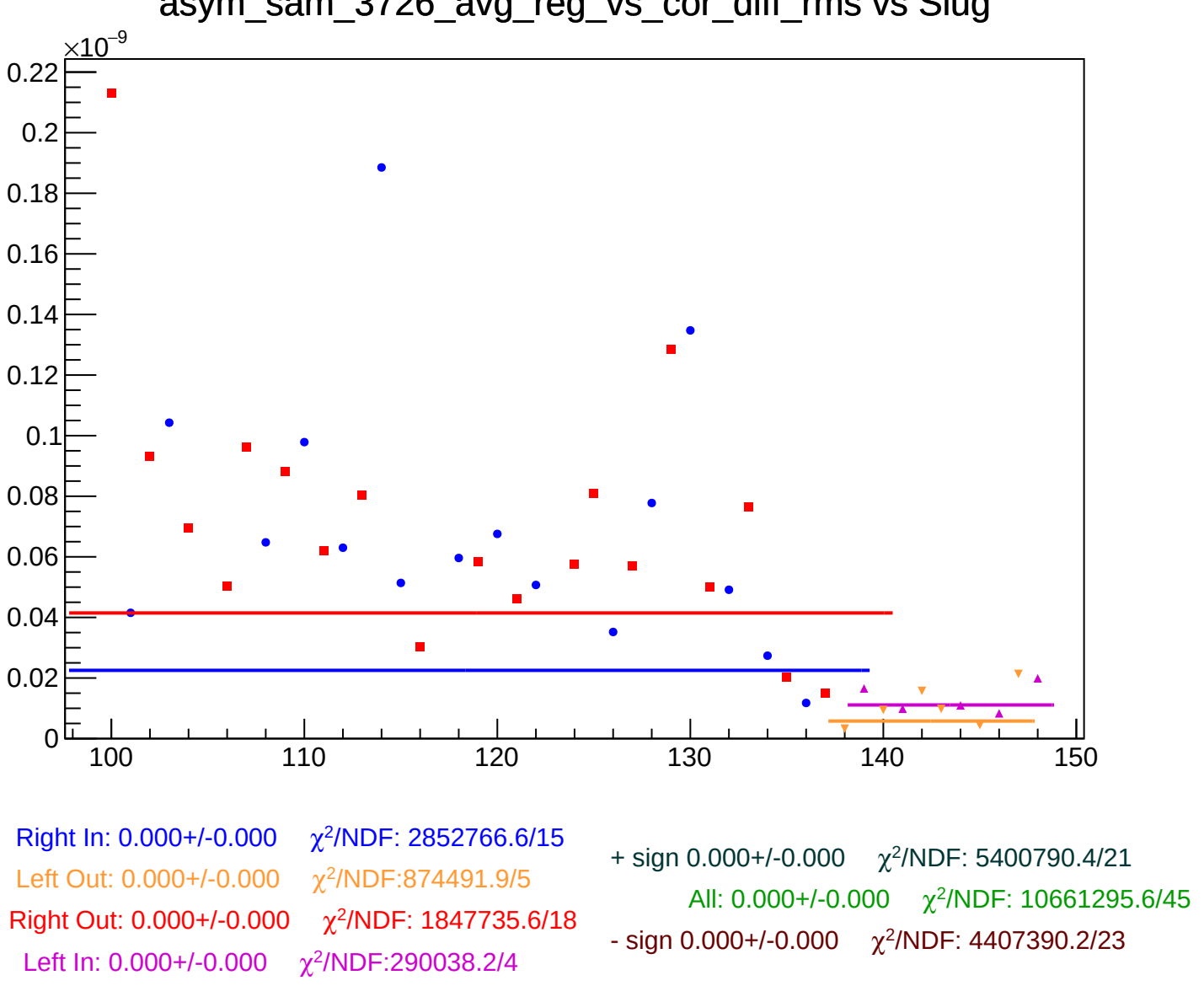
Left In: 499.071+/-0.177 χ^2/NDF:601749.1/4

+ sign 673.188+/-0.156 χ^2/NDF: 4694668.8/21

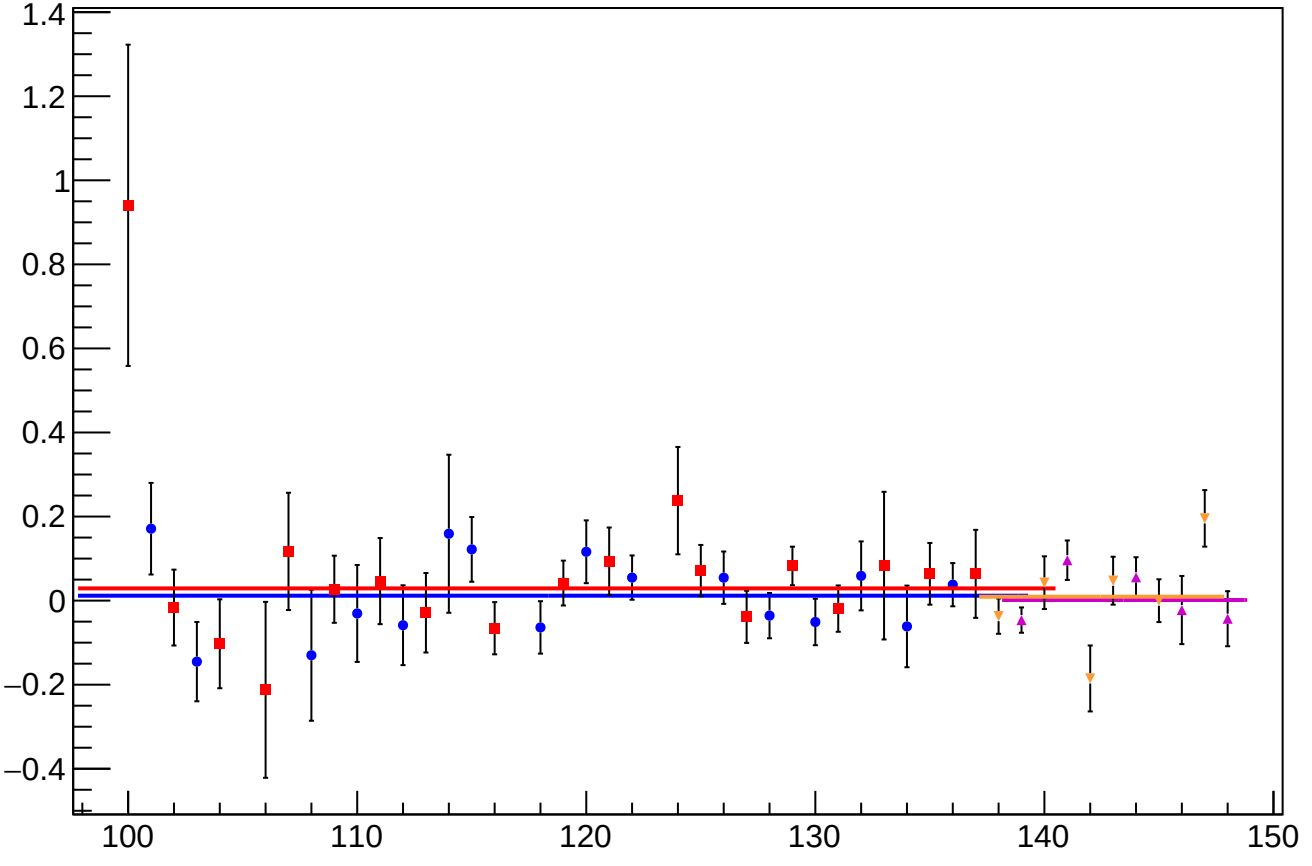
All: 668.308+/-0.111 χ^2/NDF: 10091660.3/45

- sign 663.443+/-0.156 χ^2/NDF: 5395049.4/23


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:10.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.9/4
+ sign -0.000+/-0.000 χ²/NDF: 21.8/21
All: -0.000+/-0.000 χ²/NDF: 46.0/45
- sign 0.000+/-0.000 χ²/NDF: 22.4/23


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:874491.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:290038.2/4
+ sign 0.000+/-0.000 χ²/NDF: 5400790.4/21
All: 0.000+/-0.000 χ²/NDF: 10661295.6/45
- sign 0.000+/-0.000 χ²/NDF: 4407390.2/23

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

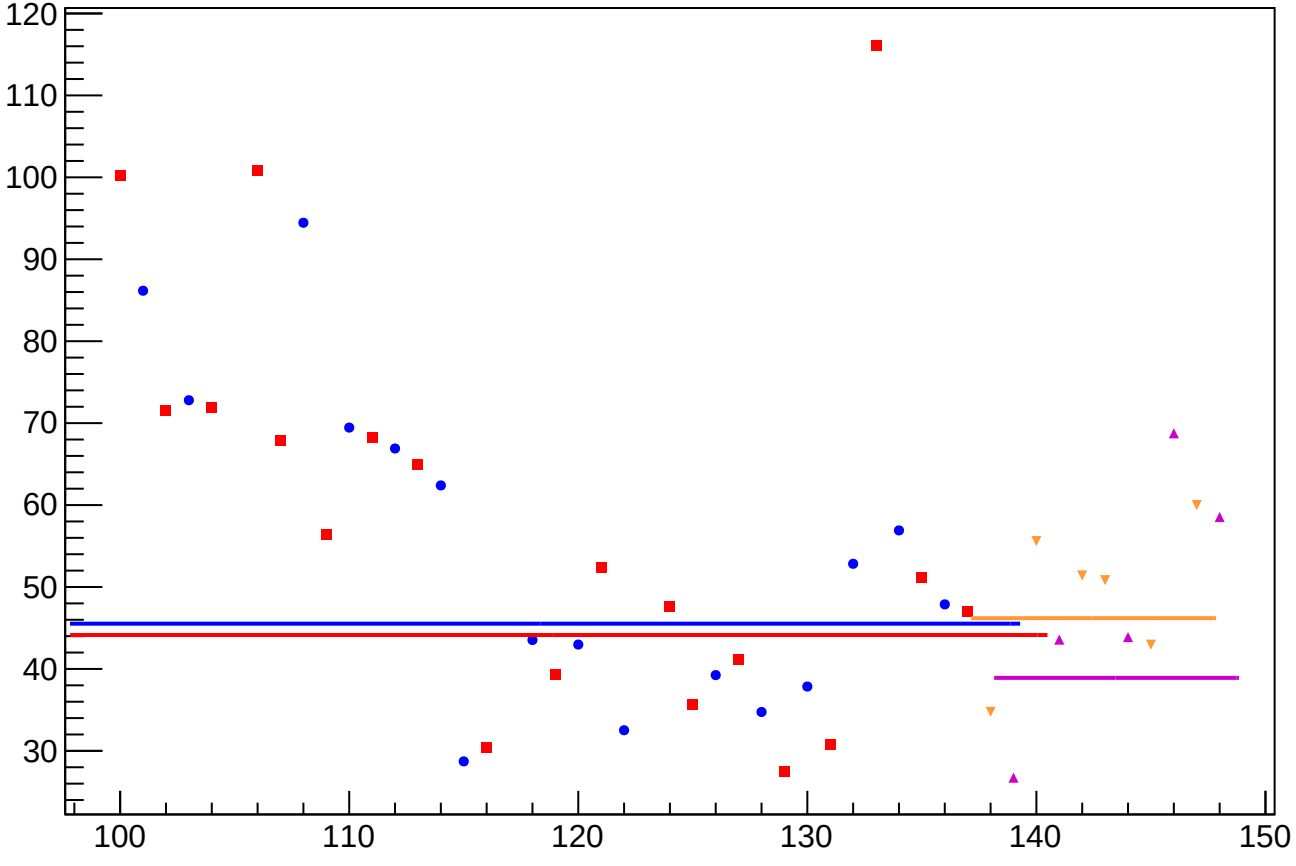
Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.014+/-0.010 χ^2/NDF: 61.8/45

- sign 0.017+/-0.013 χ^2/NDF: 29.0/23

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

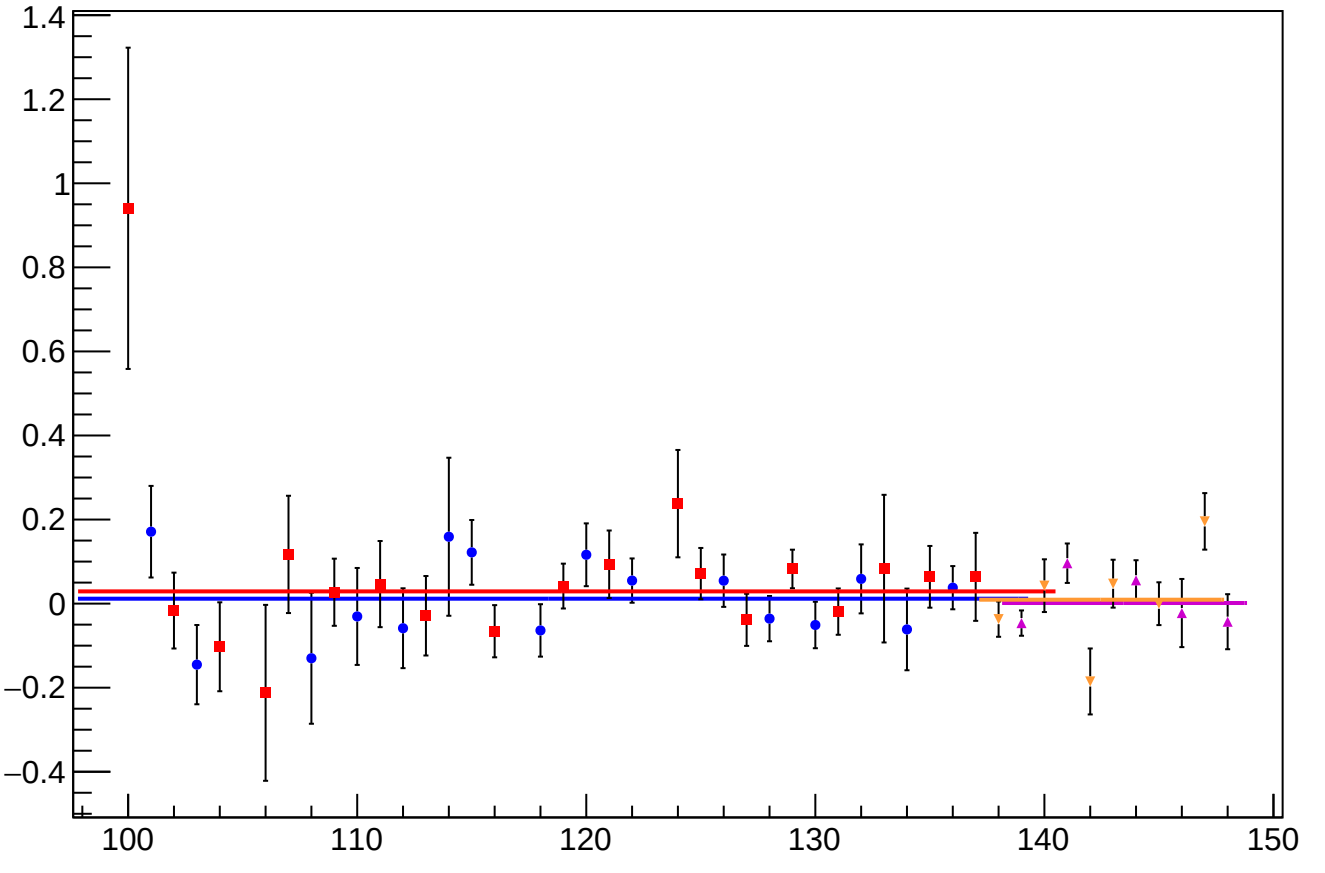
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

+ sign 45.785+/-0.010 χ^2/NDF: 1562309.3/21

All: 43.713+/-0.007 χ^2/NDF: 4277994.8/45

- sign 41.879+/-0.010 χ^2/NDF: 2636766.4/23



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

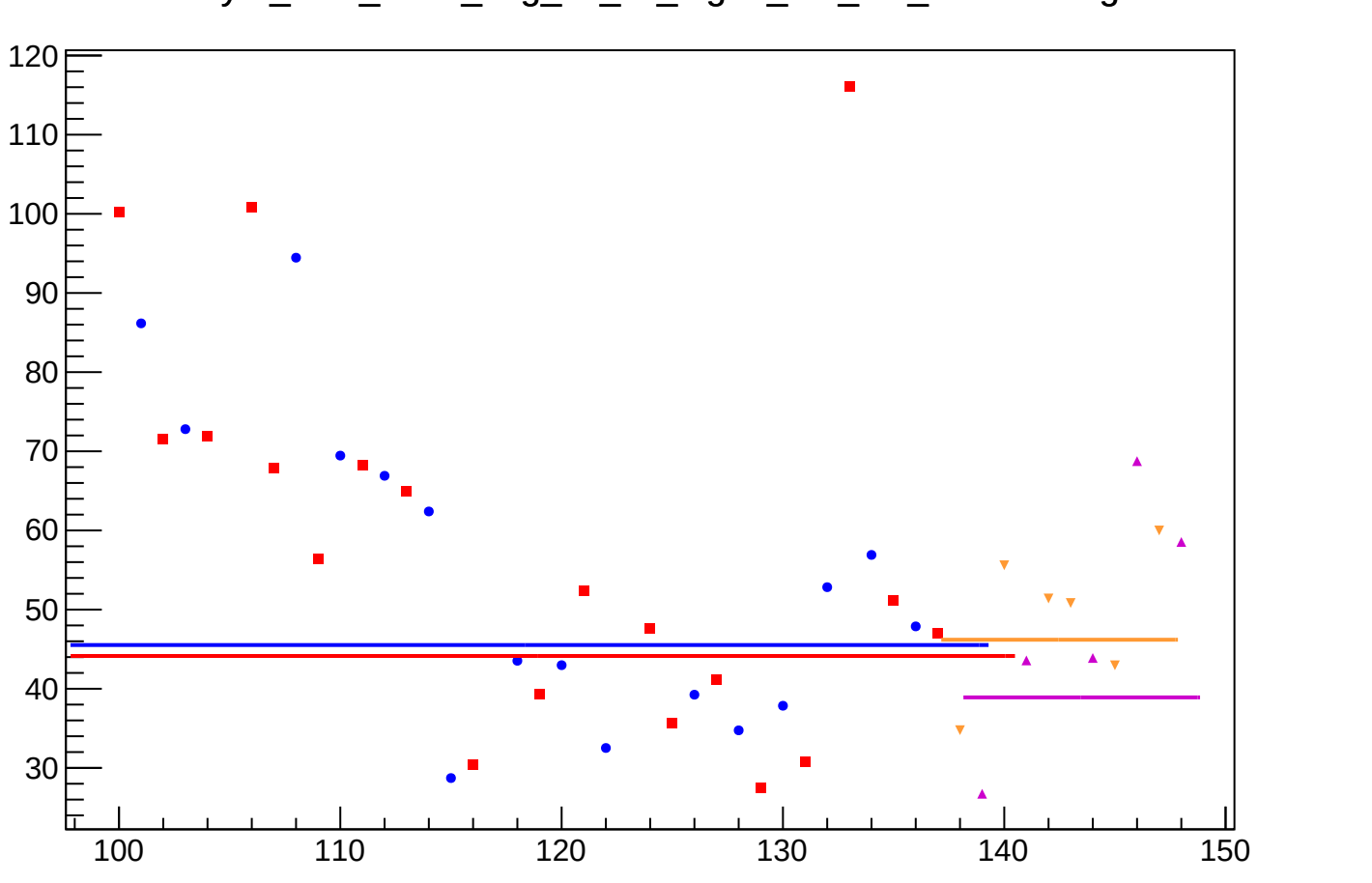
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.014+/-0.010 χ^2/NDF: 61.8/45

- sign 0.017+/-0.013 χ^2/NDF: 29.0/23



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

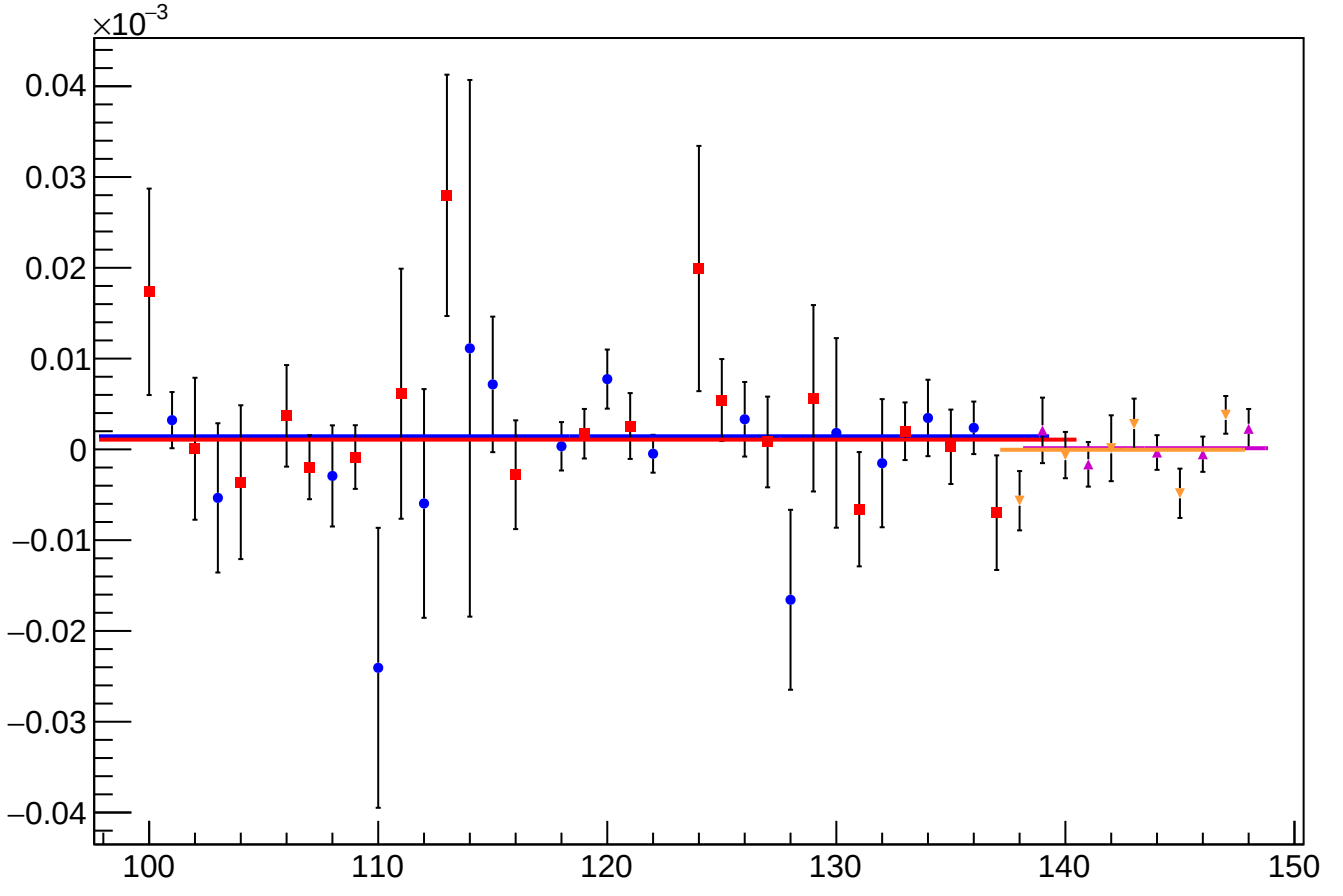
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

+ sign 45.785+/-0.010 χ^2/NDF: 1562309.3/21

All: 43.713+/-0.007 χ^2/NDF: 4277994.8/45

- sign 41.879+/-0.010 χ^2/NDF: 2636766.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

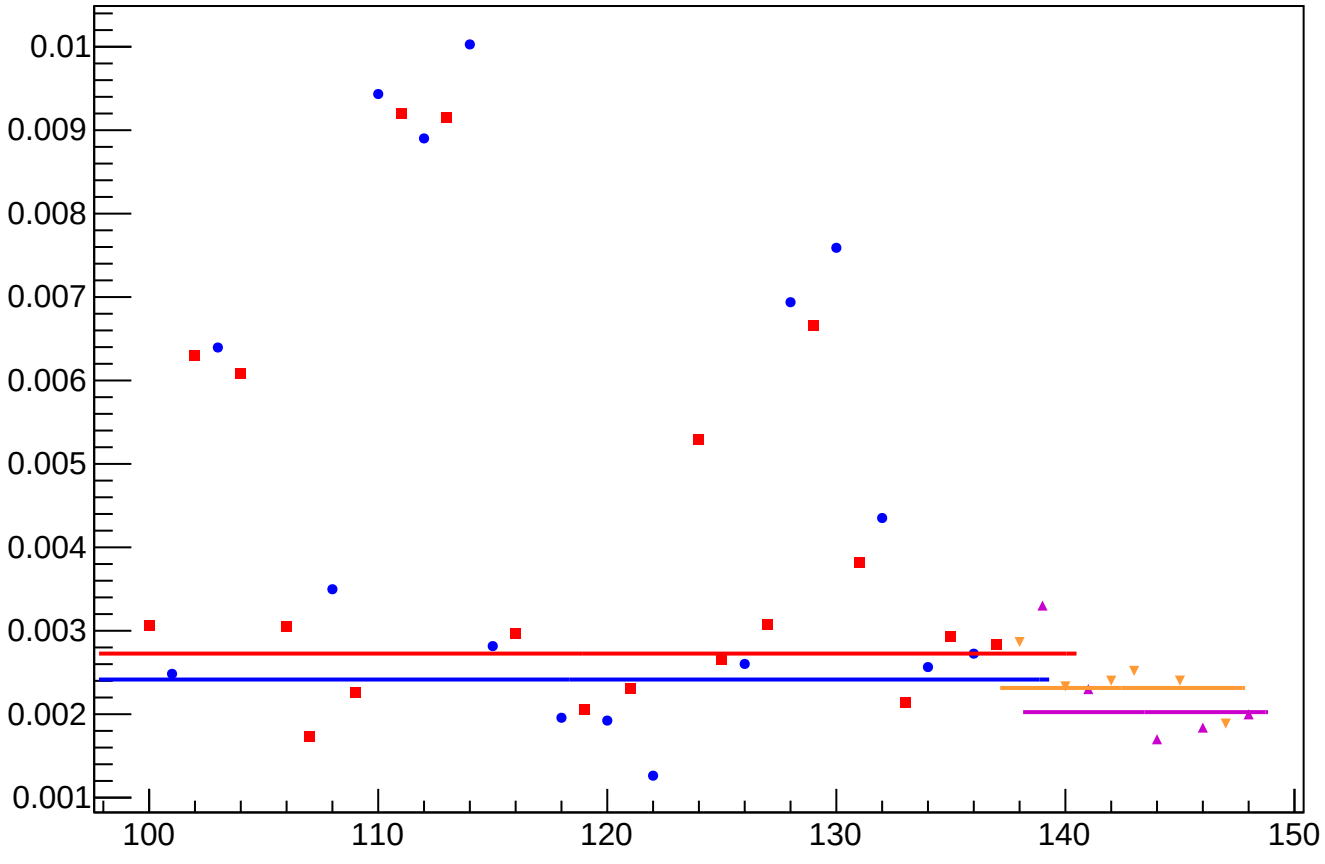
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/21

All: 0.000+/-0.000 χ^2/NDF: 42.9/45

- sign 0.000+/-0.000 χ^2/NDF: 17.2/23



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:155490.4/5

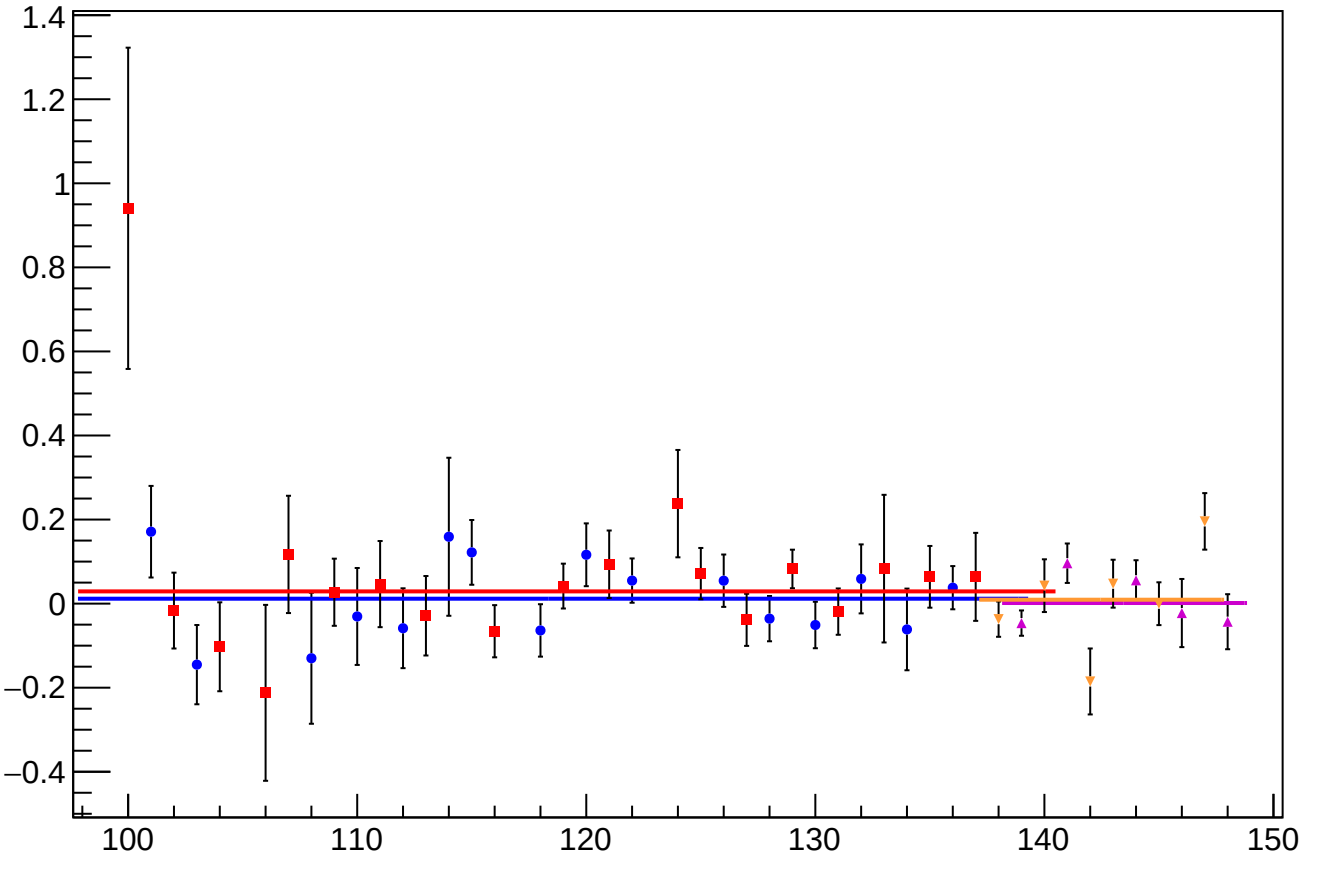
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:352322.8/4

+ sign 0.002+/-0.000 χ^2/NDF: 3596404.9/21

All: 0.002+/-0.000 χ^2/NDF: 6889776.1/45

- sign 0.002+/-0.000 χ^2/NDF: 3291666.9/23



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

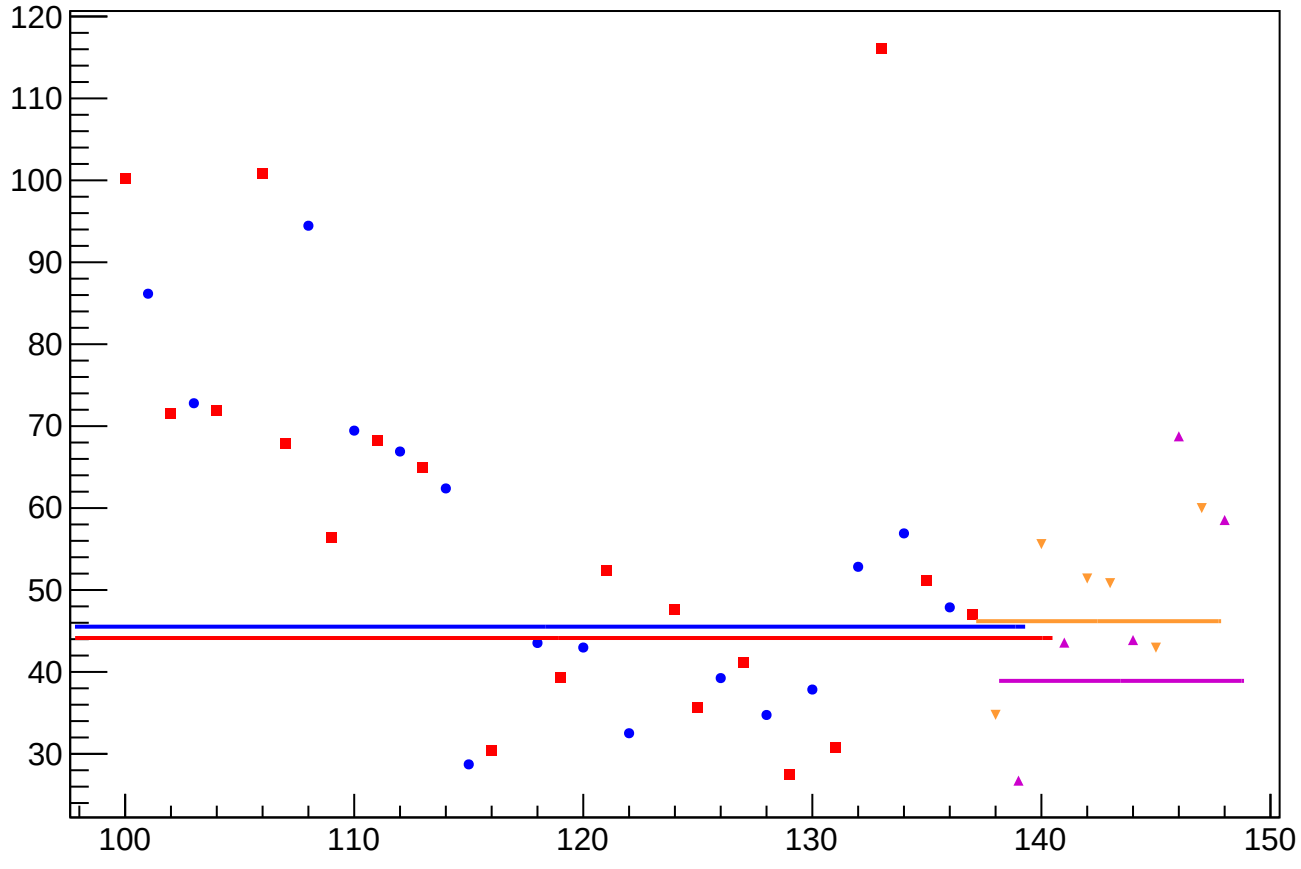
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.014+/-0.010 χ^2/NDF: 61.8/45

- sign 0.017+/-0.013 χ^2/NDF: 29.0/23



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

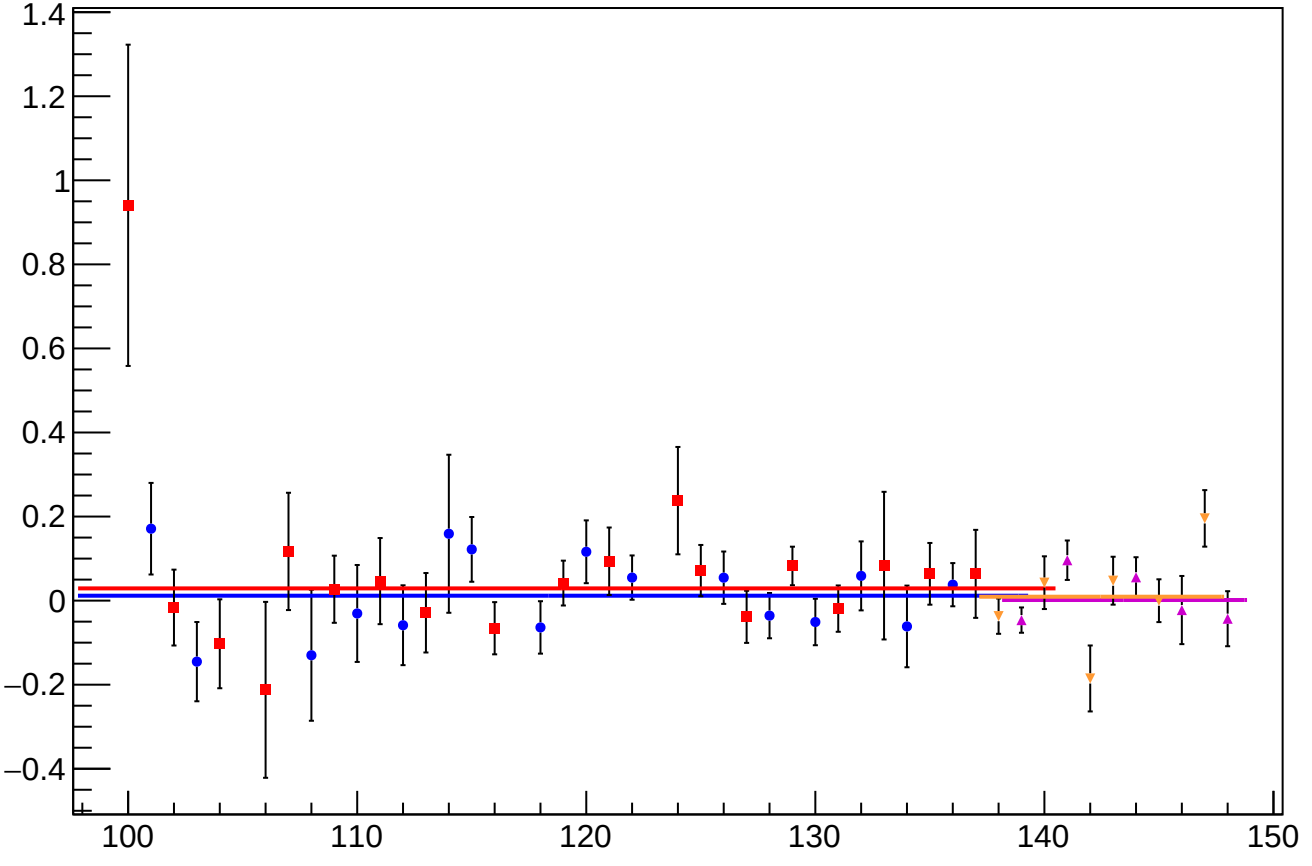
Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

+ sign 45.785+/-0.010 χ^2/NDF: 1562280.7/21

All: 43.714+/-0.007 χ^2/NDF: 4277900.7/45

- sign 41.880+/-0.010 χ^2/NDF: 2636709.0/23

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

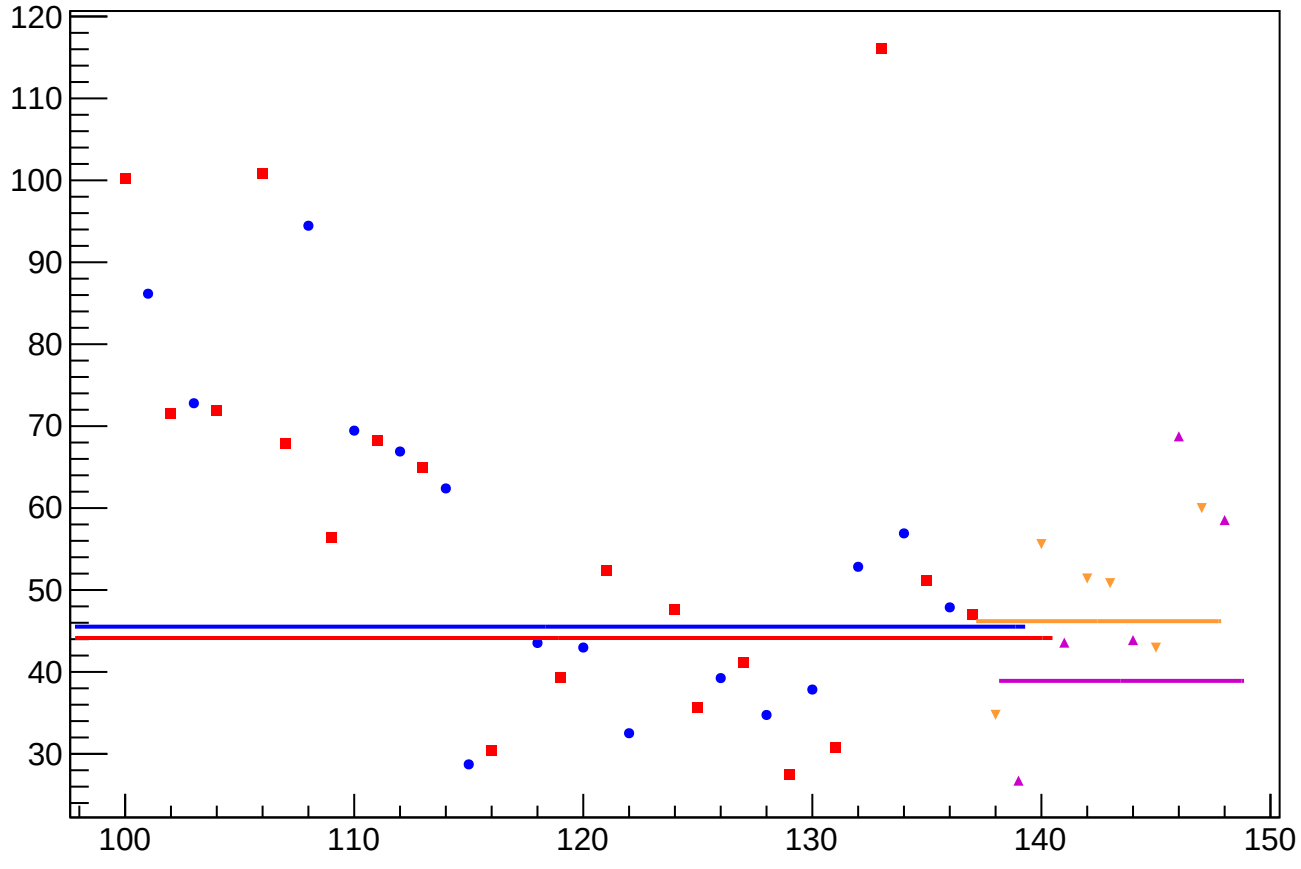
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/21

All: 0.014+/-0.010 χ^2/NDF: 61.8/45

- sign 0.017+/-0.013 χ^2/NDF: 29.0/23



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 46.193+/-0.016 χ^2/NDF:307322.1/5

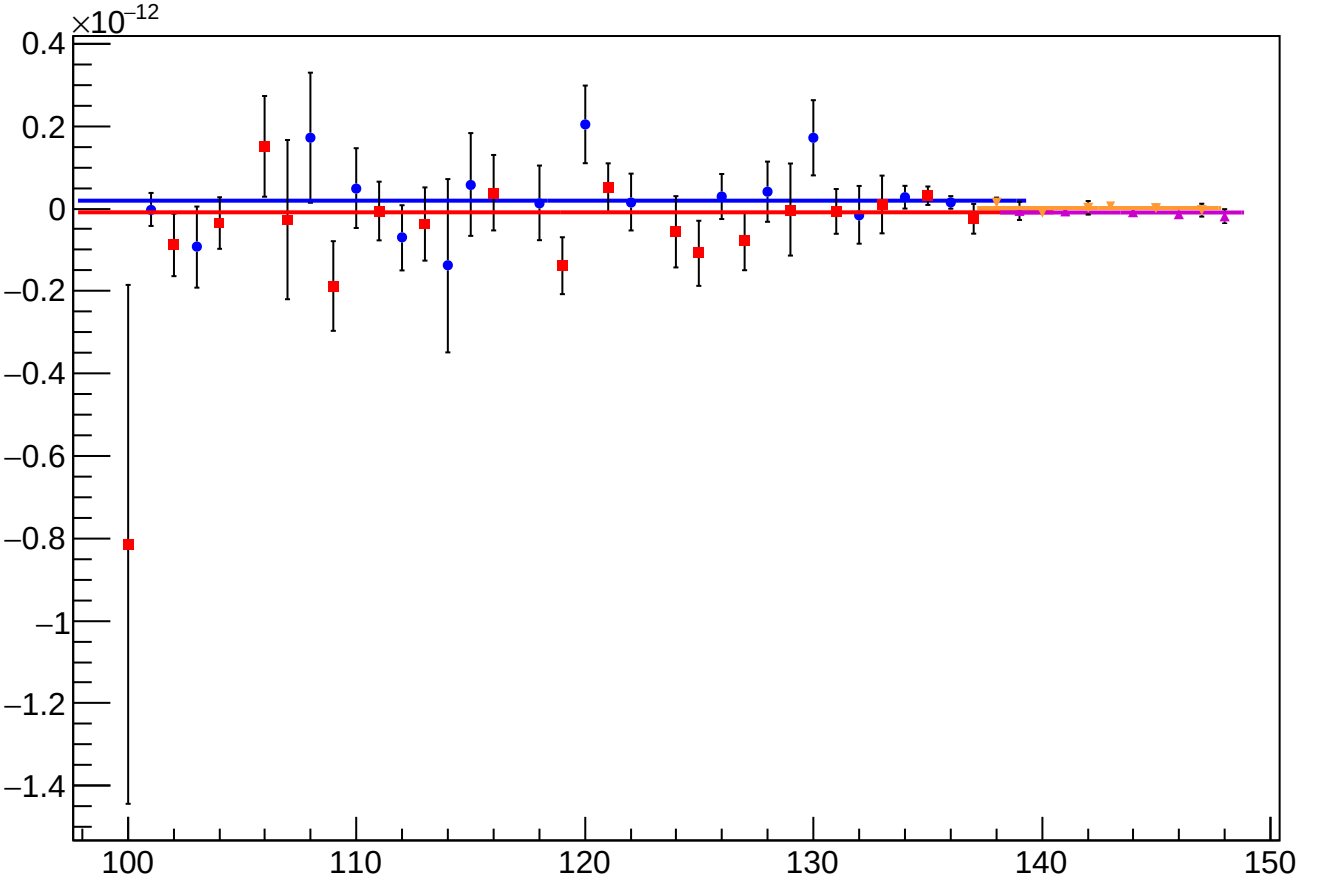
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

+ sign 45.785+/-0.010 χ^2/NDF: 1562280.7/21

All: 43.714+/-0.007 χ^2/NDF: 4277900.7/45

- sign 41.880+/-0.010 χ^2/NDF: 2636709.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/5

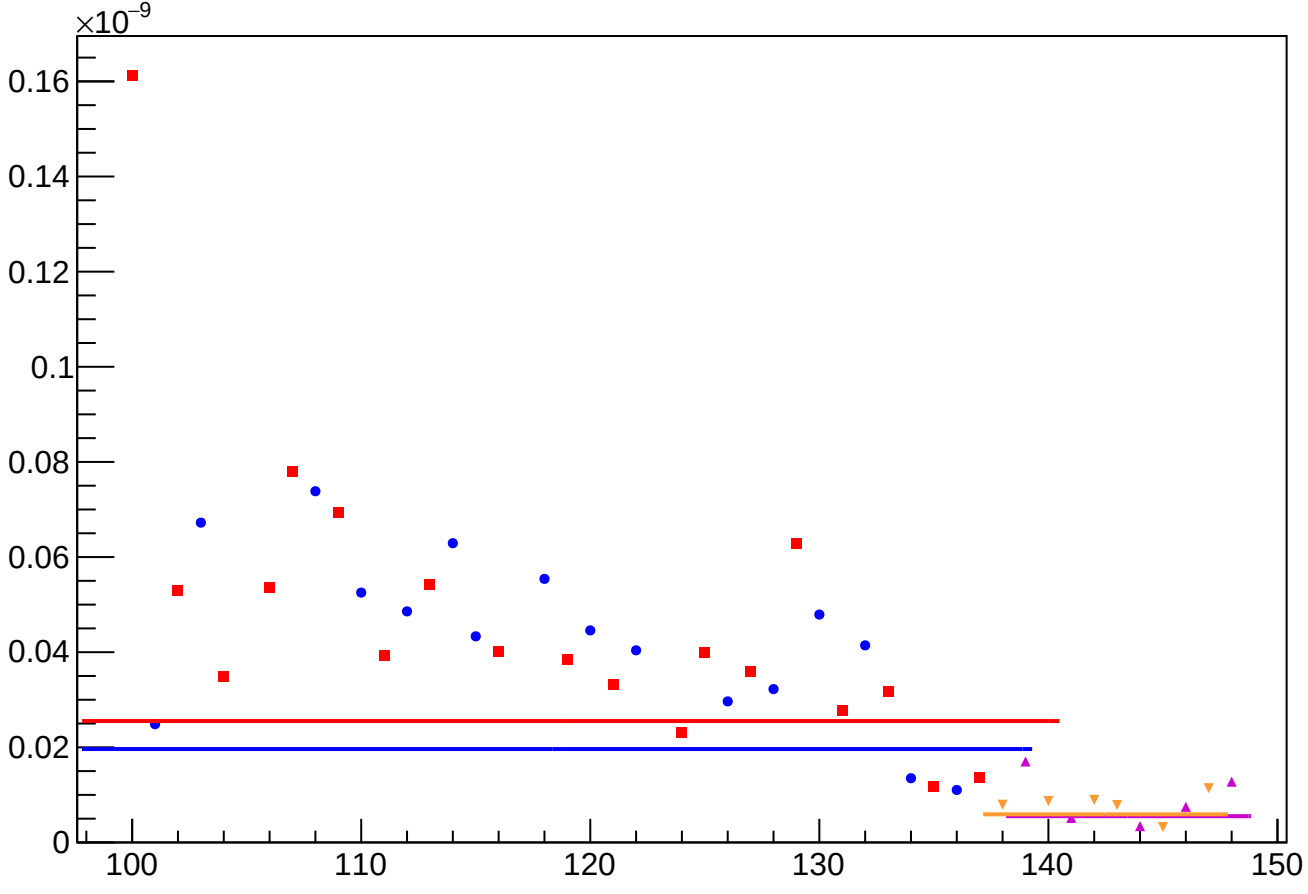
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.4/21

All: -0.000+/-0.000 χ^2/NDF: 41.4/45

- sign -0.000+/-0.000 χ^2/NDF: 19.4/23



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

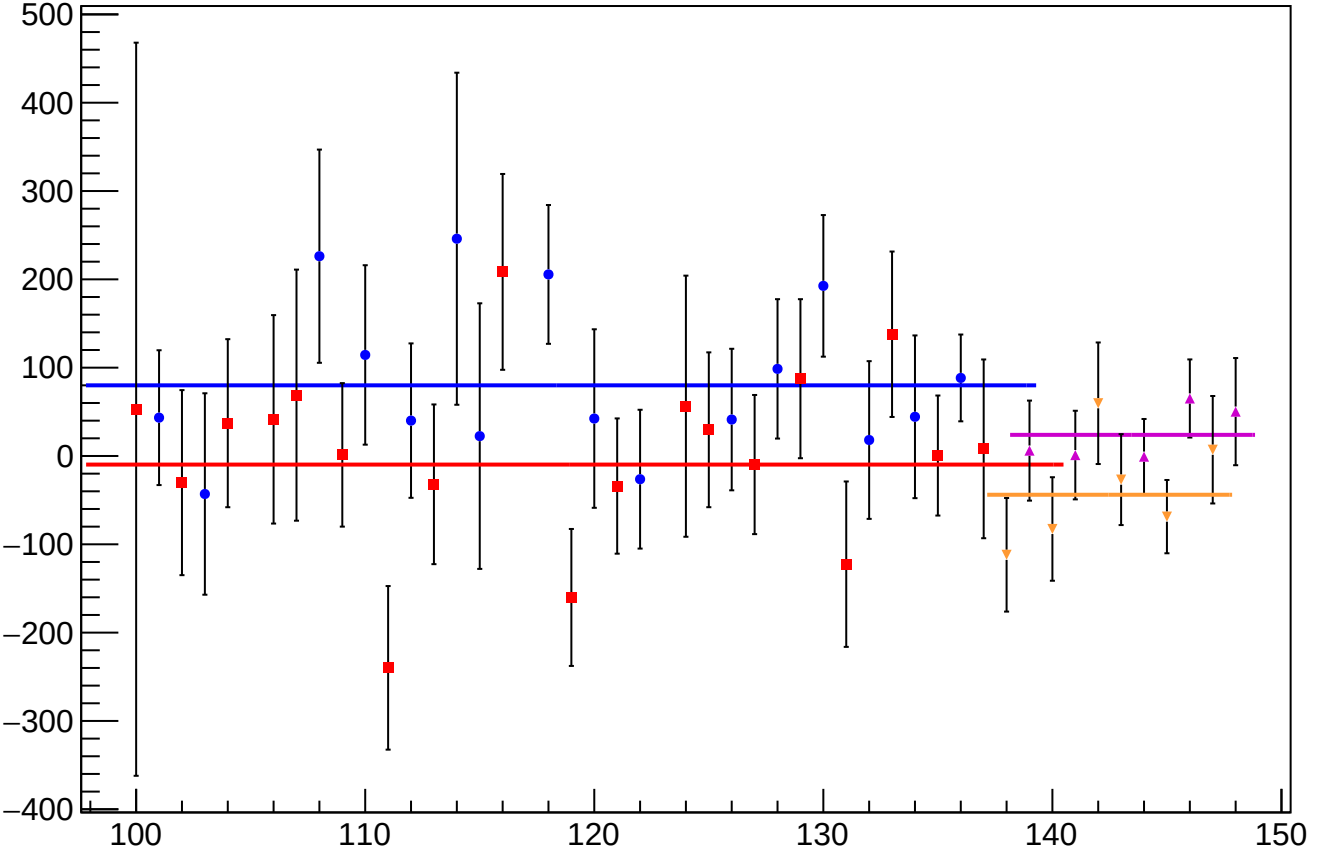
Left In: 0.000+/-0.000 χ^2/NDF:1245910.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 6939384.8/21

All: 0.000+/-0.000 χ^2/NDF: 14811168.3/45

- sign 0.000+/-0.000 χ^2/NDF: 7865317.4/23

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

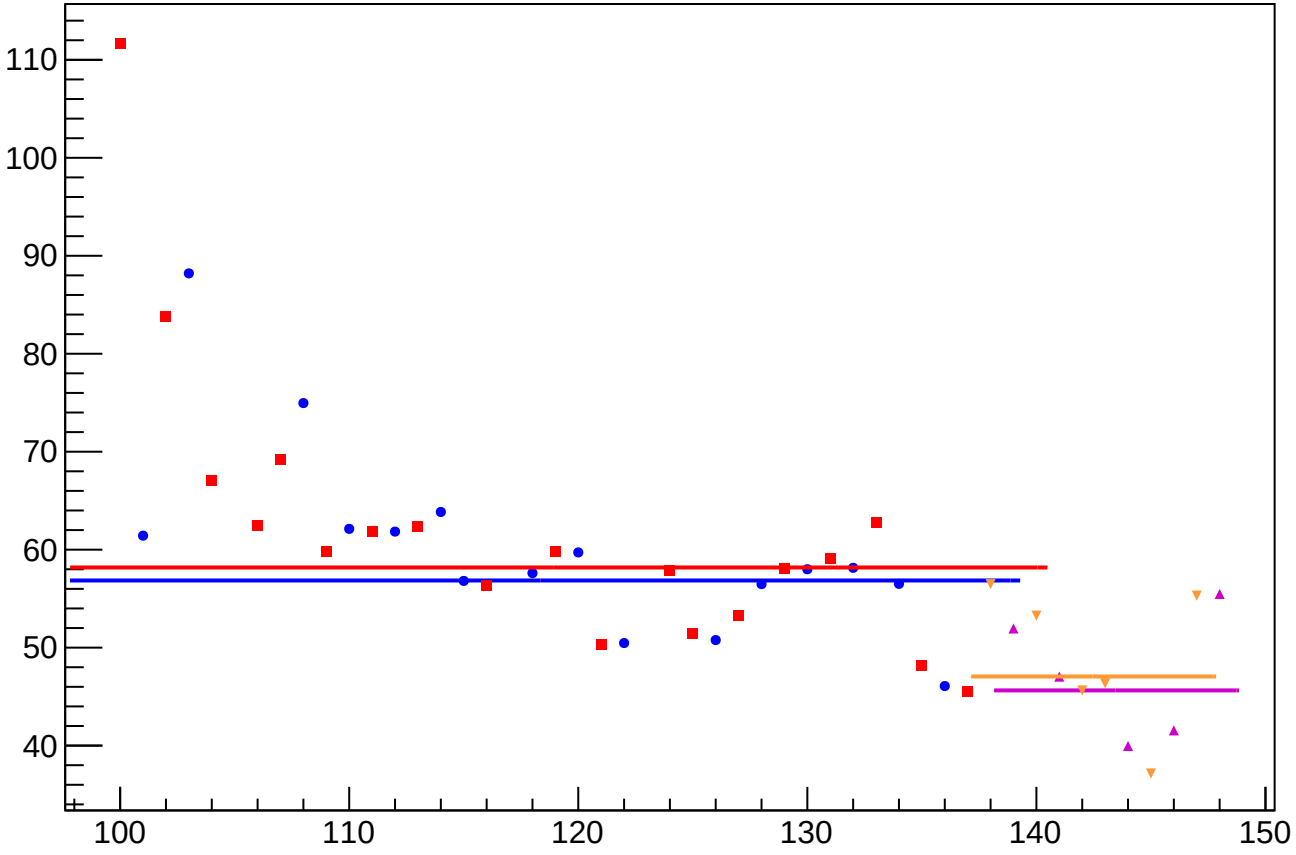
Left In: 23.919+/-22.129 χ^2/NDF:1.7/4

+ sign 20.978+/-15.539 χ^2/NDF: 32.4/21

All: 13.804+/-10.961 χ^2/NDF: 56.0/45

- sign 6.701+/-15.463 χ^2/NDF: 23.2/23

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

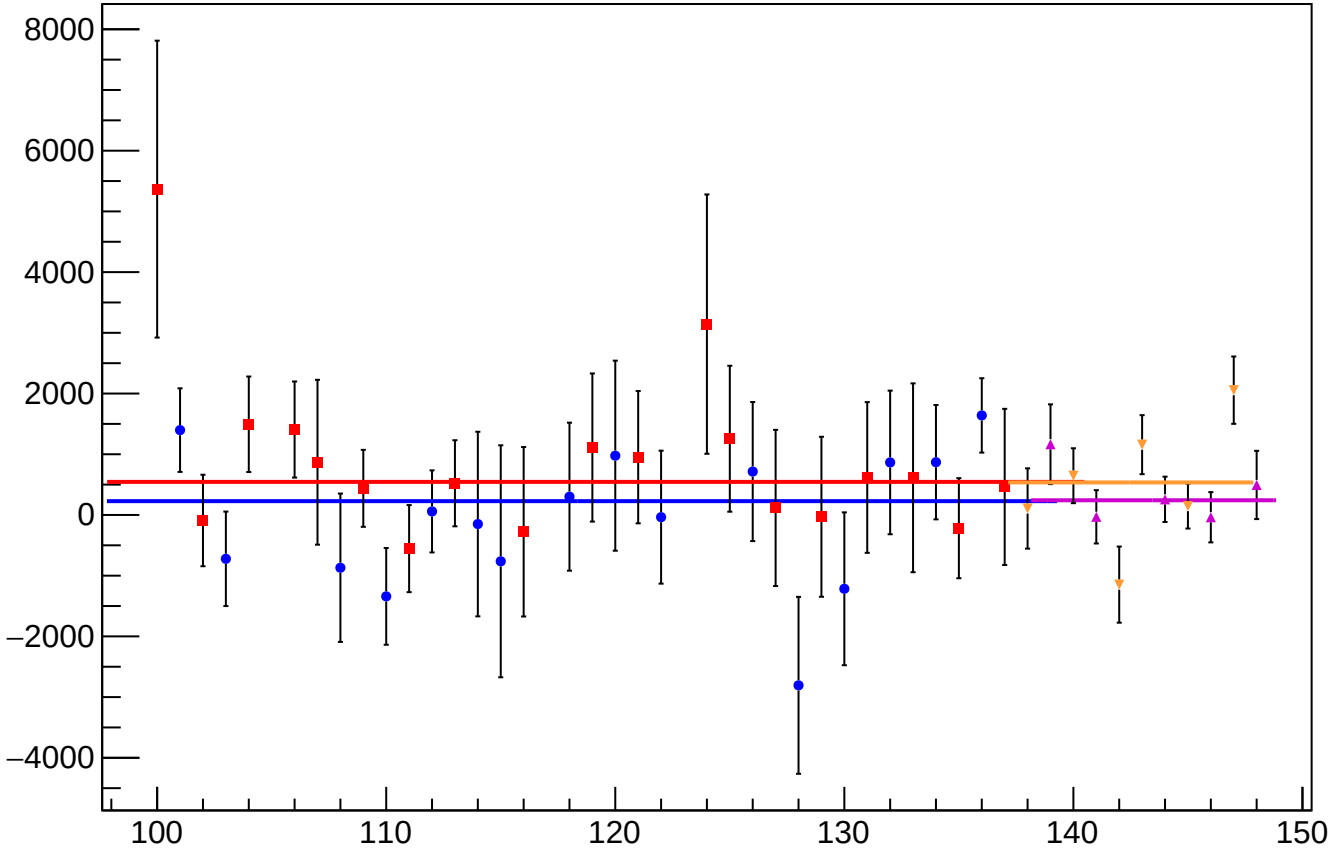
Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

\+ sign 52.186+/-0.011 χ^2/NDF: 757438.0/21

All: 52.120+/-0.008 χ^2/NDF: 1532796.6/45

\- sign 52.054+/-0.011 χ^2/NDF: 775285.8/23

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

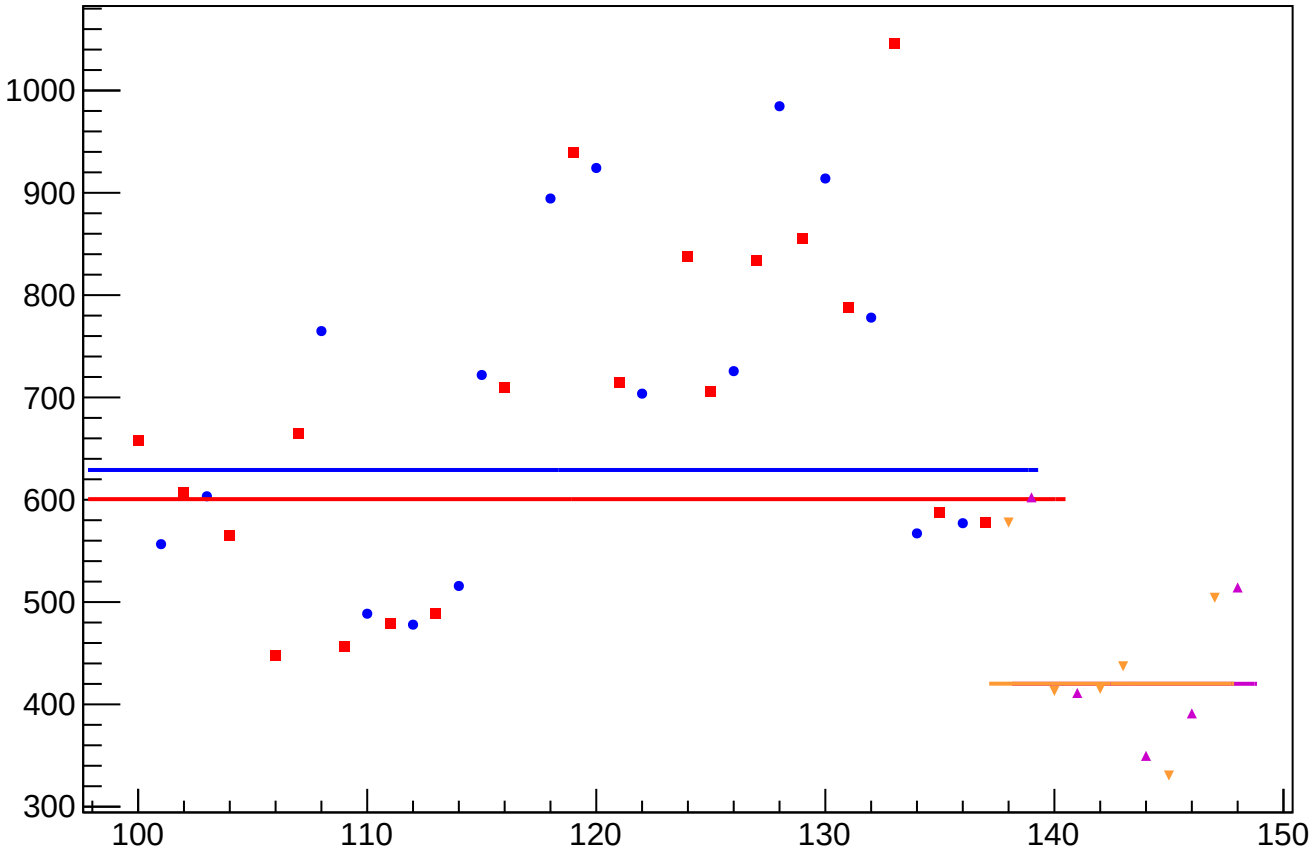
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 241.950+/-205.514 χ^2/NDF:3.0/4

+ sign 408.871+/-154.835 χ^2/NDF: 40.5/21

All: 393.291+/-108.623 χ^2/NDF: 57.9/45

- sign 378.193+/-152.425 χ^2/NDF: 17.4/23



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

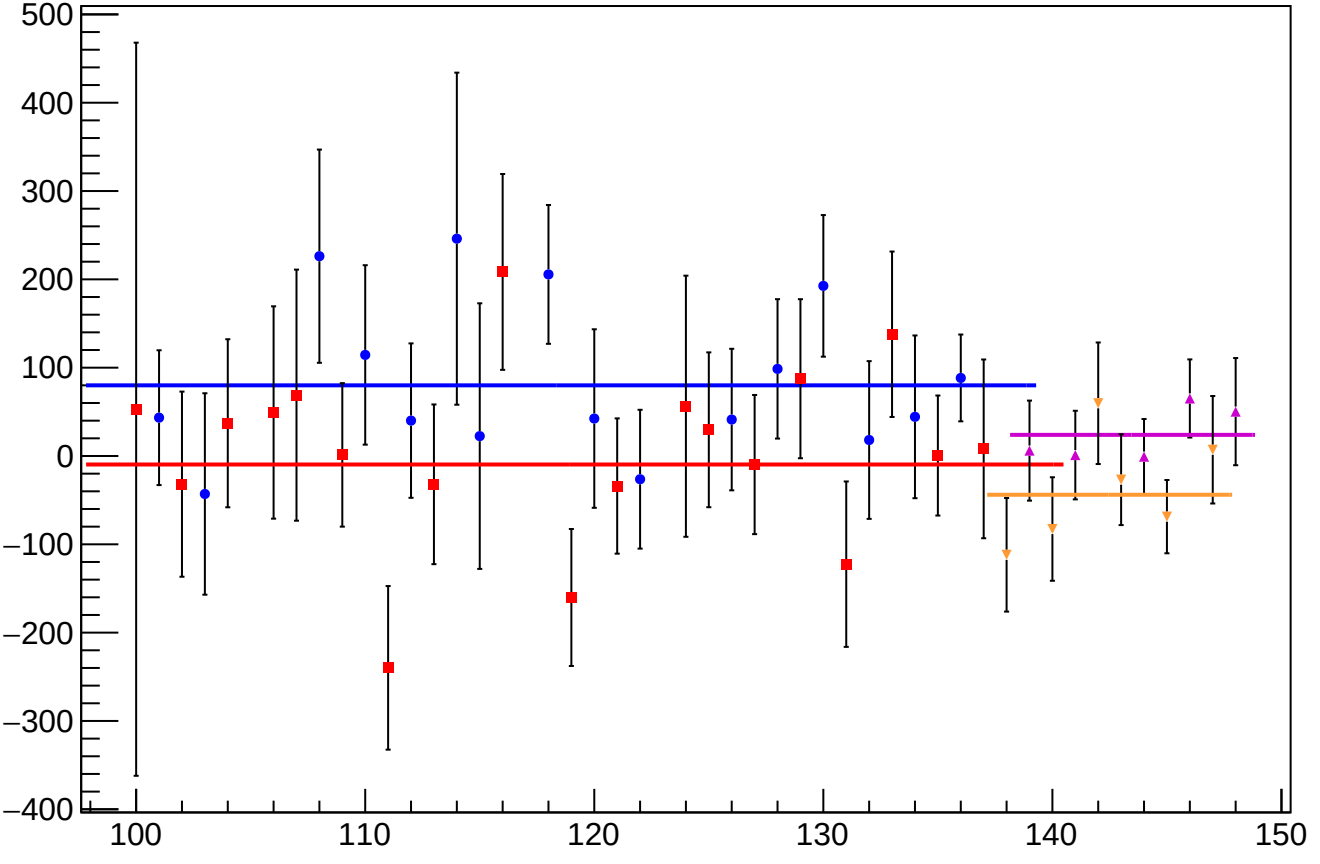
Left In: 420.122+/-0.145 χ^2/NDF:291743.6/4

+ sign 506.287+/-0.109 χ^2/NDF: 1854496.8/21

All: 503.764+/-0.077 χ^2/NDF: 3715793.6/45

- sign 501.319+/-0.108 χ^2/NDF: 1860251.3/23

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

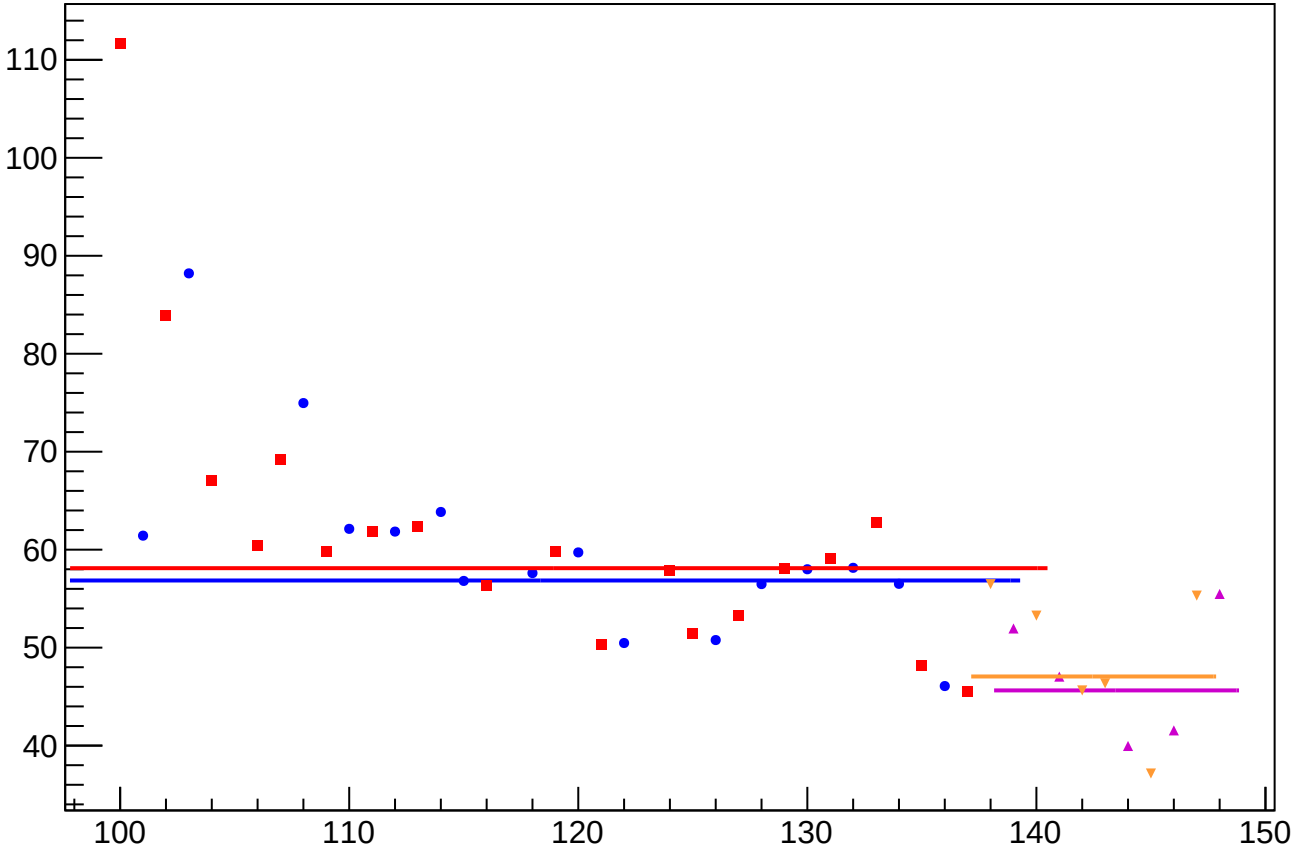
Left In: 23.923+/-22.129 χ^2/NDF:1.7/4

+ sign 20.976+/-15.539 χ^2/NDF: 32.4/21

All: 13.841+/-10.963 χ^2/NDF: 56.1/45

- sign 6.771+/-15.468 χ^2/NDF: 23.3/23

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

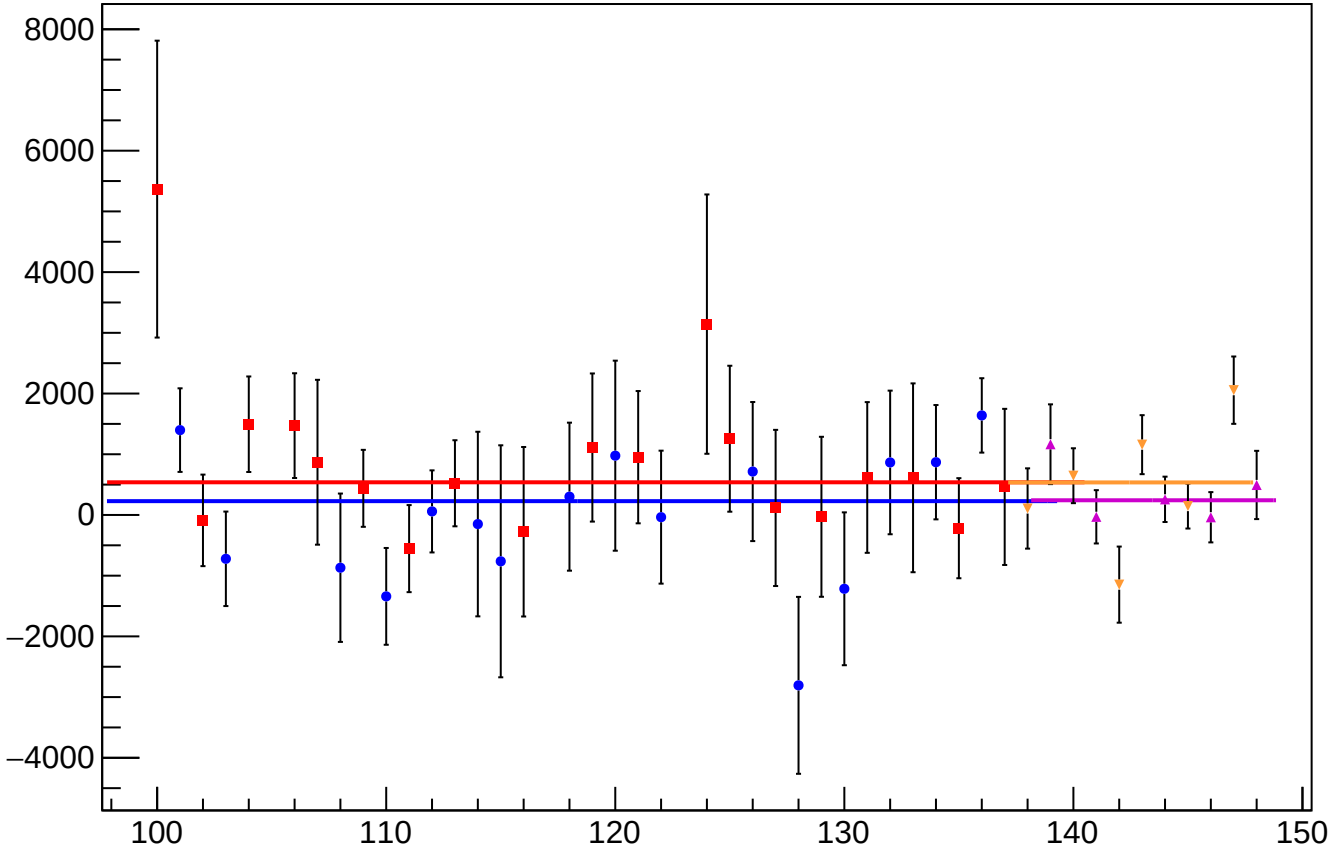
Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

+ sign 52.186+/-0.011 χ^2/NDF: 757441.9/21

All: 52.100+/-0.008 χ^2/NDF: 1527230.9/45

- sign 52.014+/-0.011 χ^2/NDF: 769665.3/23

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

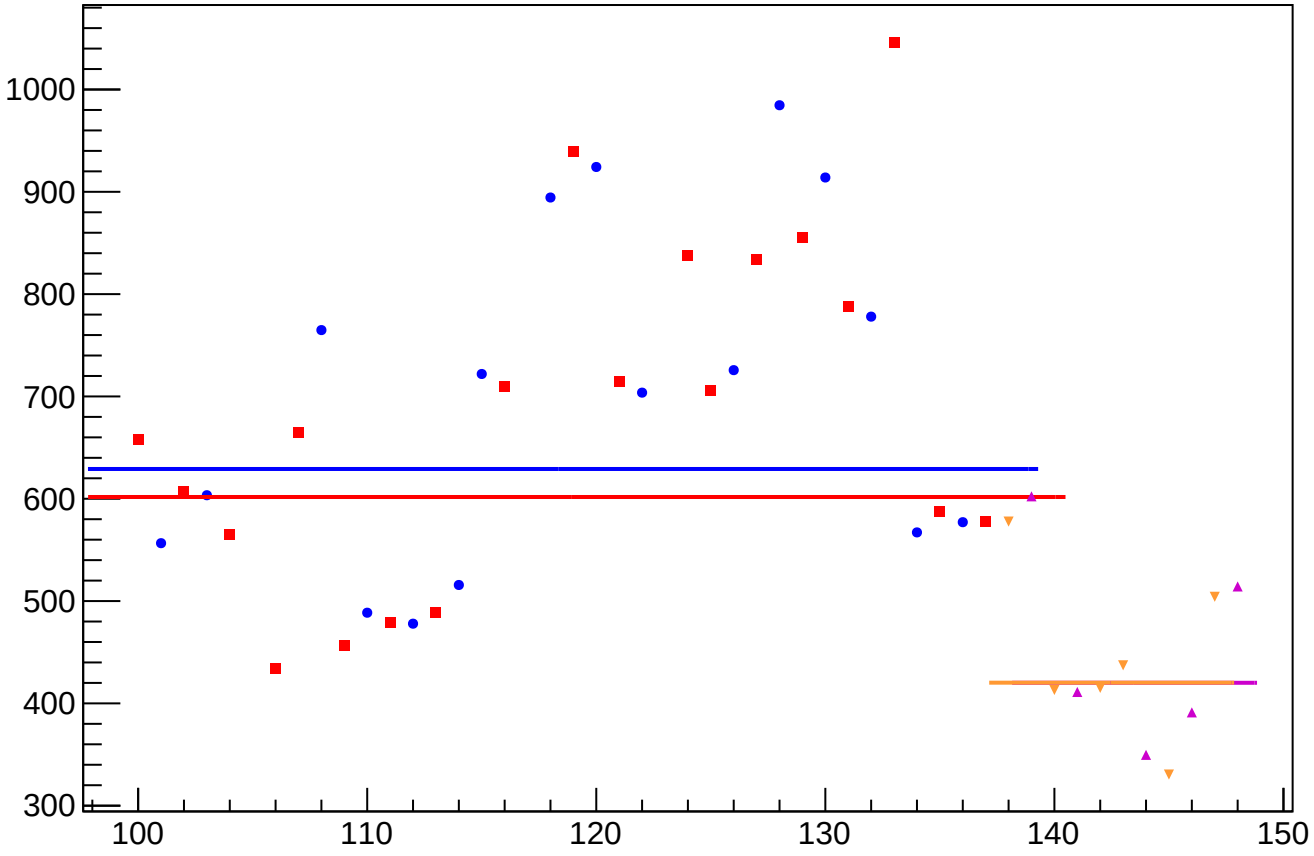
Left In: 241.956+/-205.514 χ^2/NDF:3.0/4

+ sign 408.883+/-154.836 χ^2/NDF: 40.5/21

All: 391.337+/-108.787 χ^2/NDF: 57.9/45

- sign 374.232+/-152.878 χ^2/NDF: 17.3/23

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

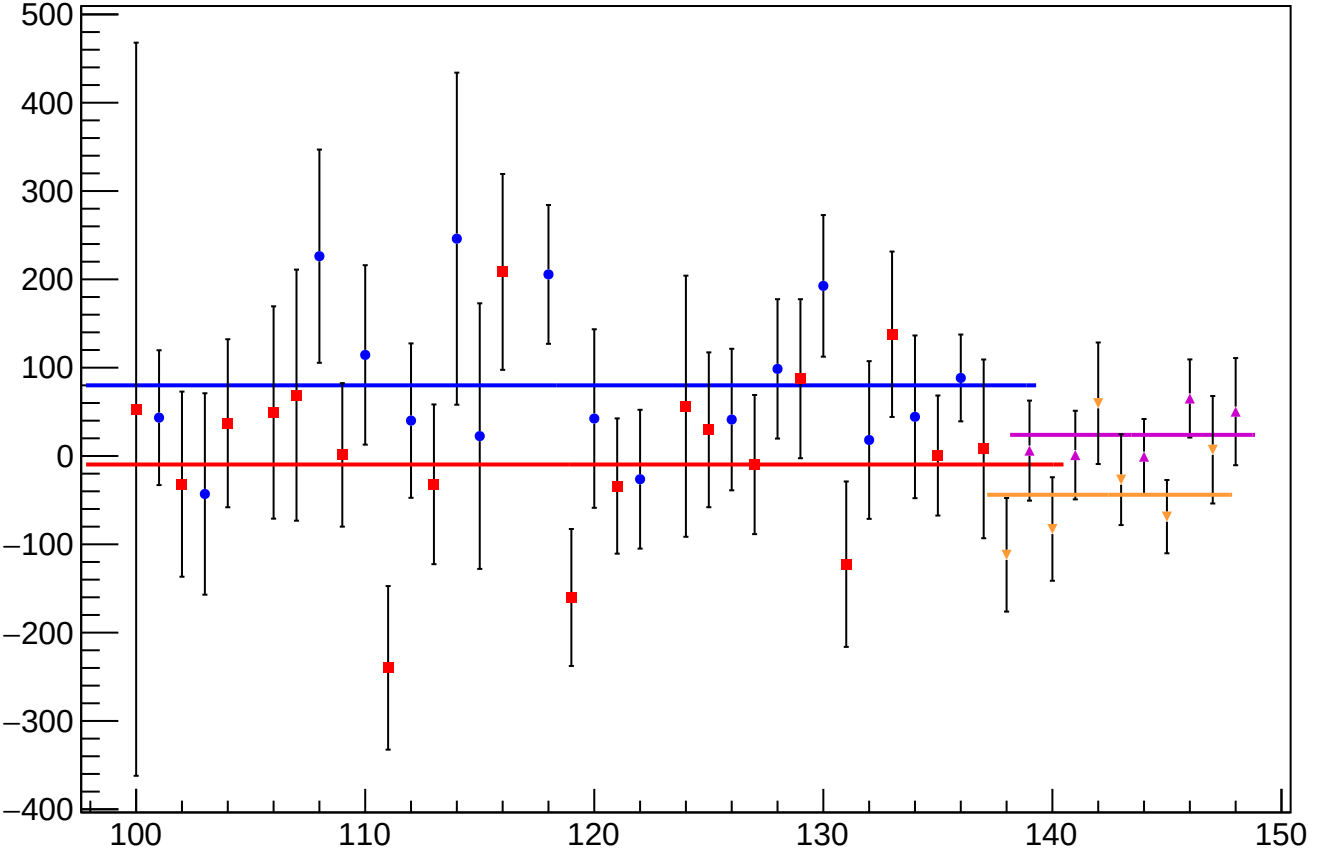
Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

+ sign 506.288+/-0.109 χ^2/NDF: 1854523.8/21

All: 503.727+/-0.077 χ^2/NDF: 3718856.3/45

- sign 501.231+/-0.108 χ^2/NDF: 1863252.3/23

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

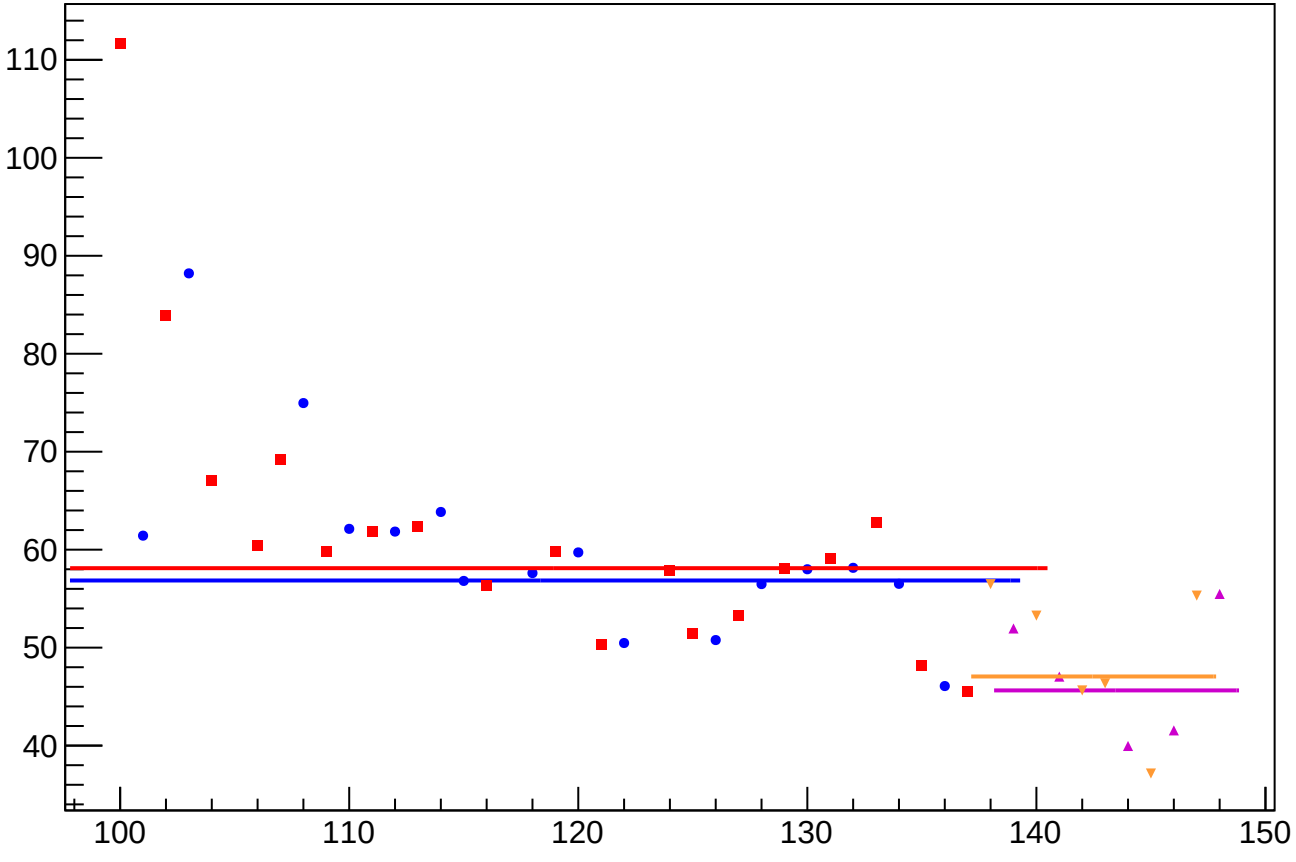
Left In: 23.923+/-22.129 χ^2/NDF:1.7/4

+ sign 20.976+/-15.539 χ^2/NDF: 32.4/21

All: 13.841+/-10.963 χ^2/NDF: 56.1/45

- sign 6.771+/-15.468 χ^2/NDF: 23.3/23

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

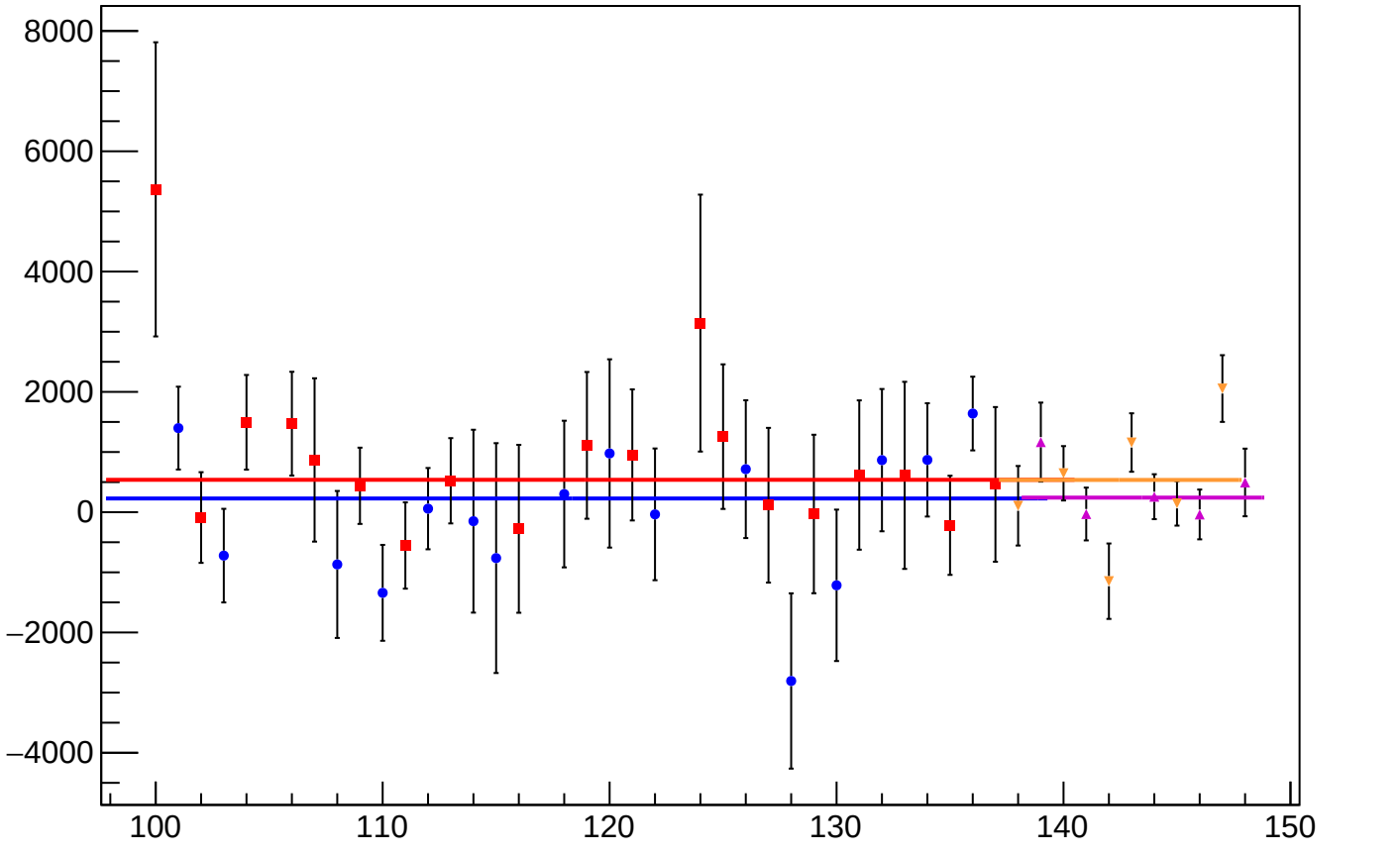
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

+ sign 52.186+/-0.011 χ^2/NDF: 757441.9/21

All: 52.100+/-0.008 χ^2/NDF: 1527230.9/45

- sign 52.014+/-0.011 χ^2/NDF: 769665.3/23



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

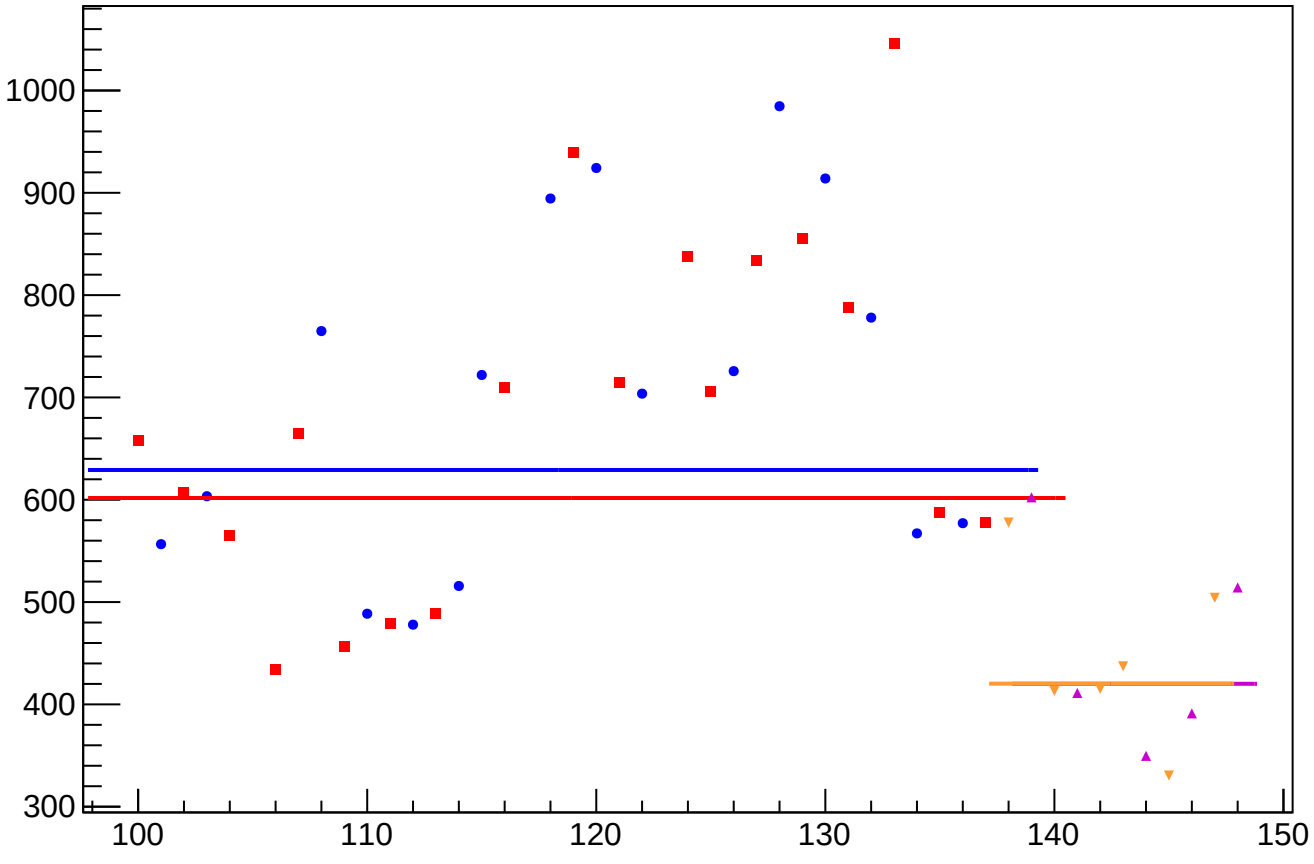
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 241.956+/-205.514 χ^2/NDF:3.0/4

+ sign 408.883+/-154.836 χ^2/NDF: 40.5/21

All: 391.337+/-108.787 χ^2/NDF: 57.9/45

- sign 374.232+/-152.878 χ^2/NDF: 17.3/23



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

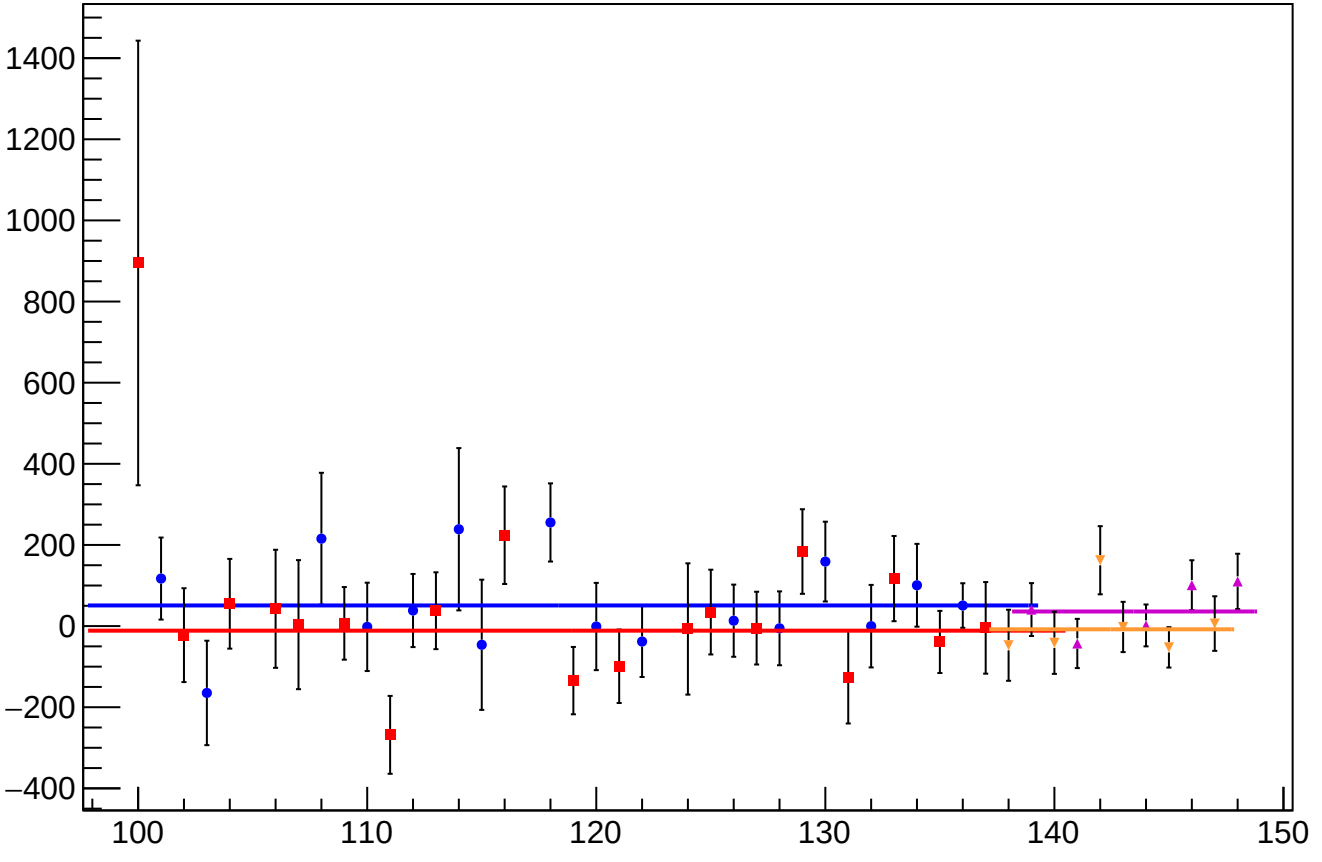
Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

+ sign 506.288+/-0.109 χ^2/NDF: 1854523.8/21

All: 503.727+/-0.077 χ^2/NDF: 3718856.3/45

- sign 501.231+/-0.108 χ^2/NDF: 1863252.3/23

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

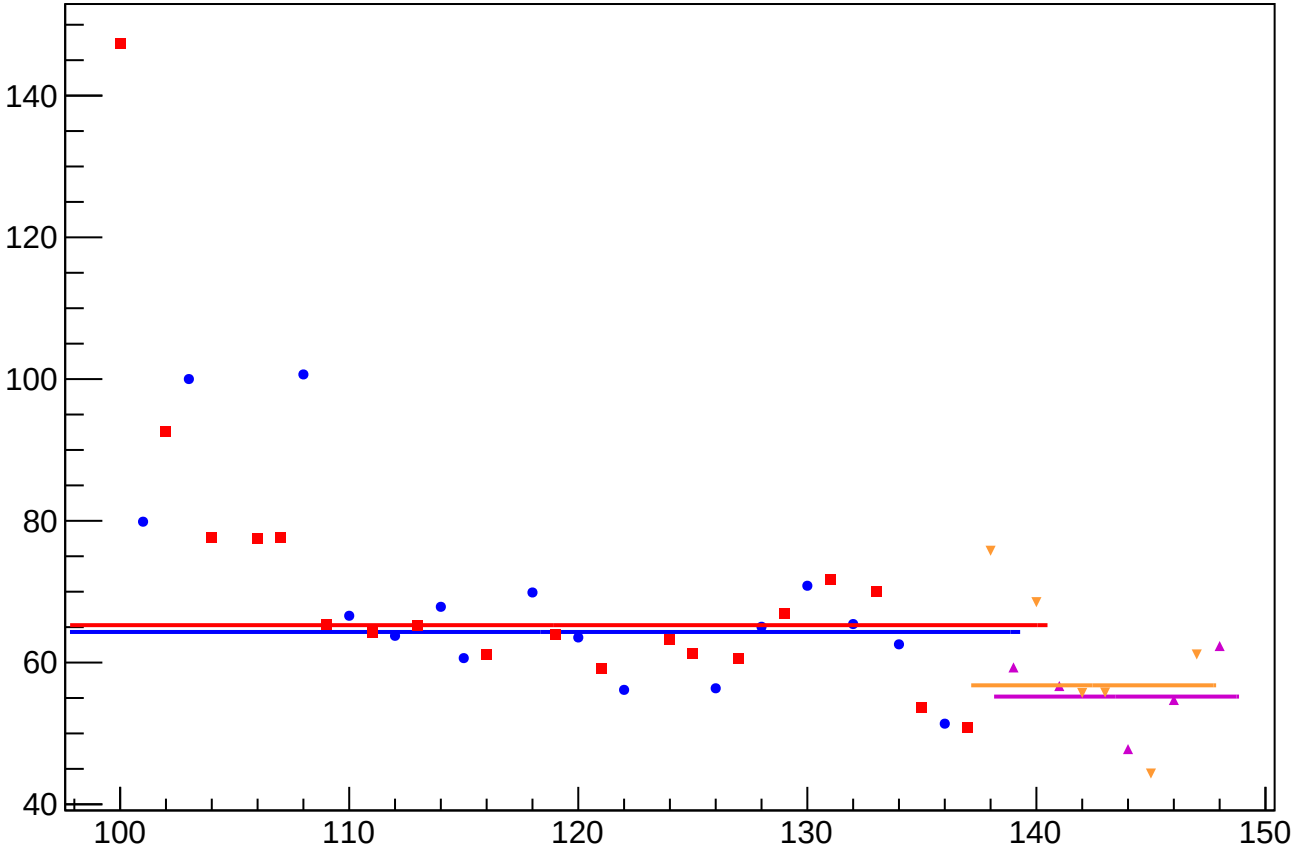
Left In: 35.983+/-27.085 χ^2/NDF:4.4/4

+ sign 24.805+/-18.275 χ^2/NDF: 21.7/21

All: 17.245+/-12.859 χ^2/NDF: 52.2/45

- sign 9.832+/-18.097 χ^2/NDF: 30.1/23

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

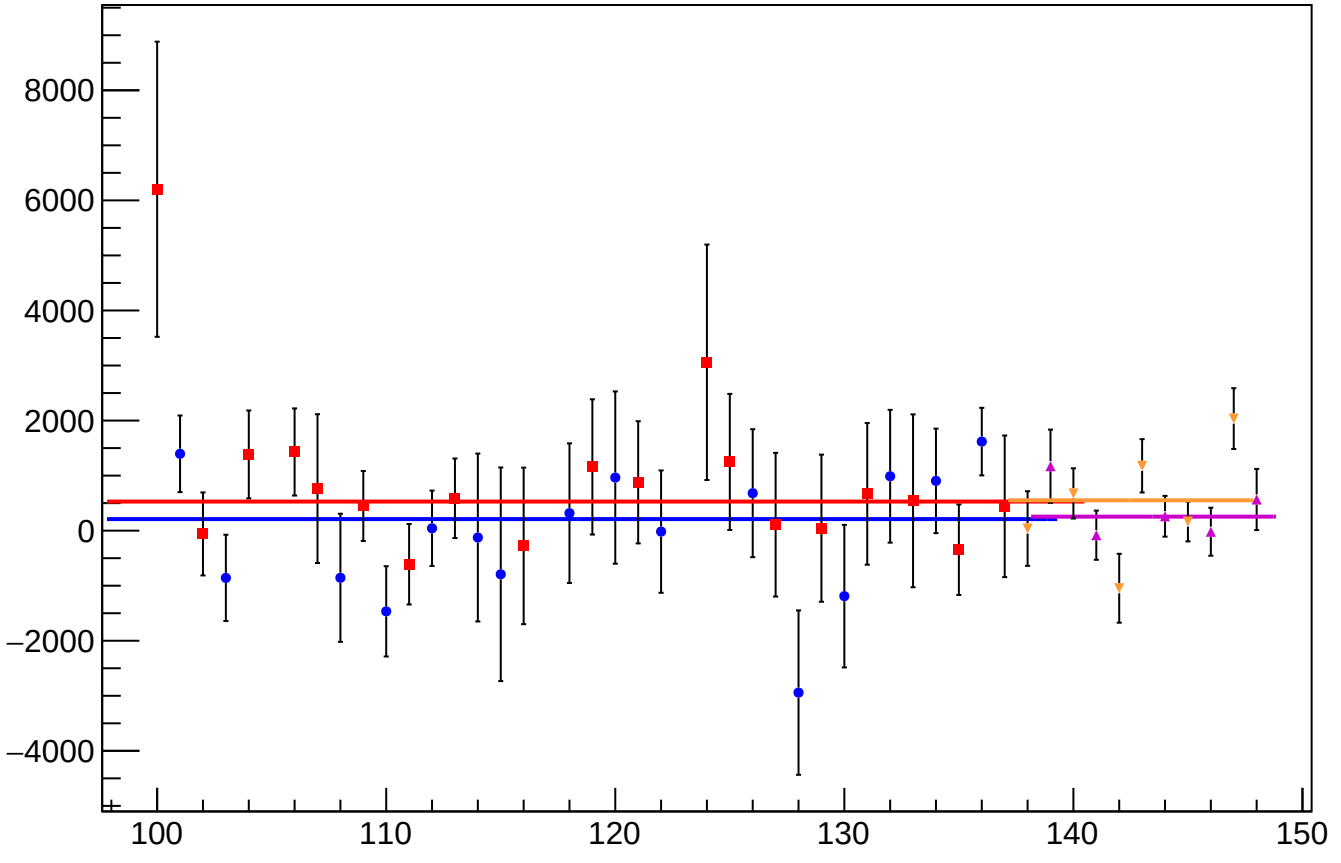
Left In: 55.199+/-0.019 χ^2/NDF:72385.9/4

+ sign 60.980+/-0.013 χ^2/NDF: 823792.3/21

All: 60.878+/-0.009 χ^2/NDF: 1368716.4/45

- sign 60.778+/-0.013 χ^2/NDF: 544800.5/23

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

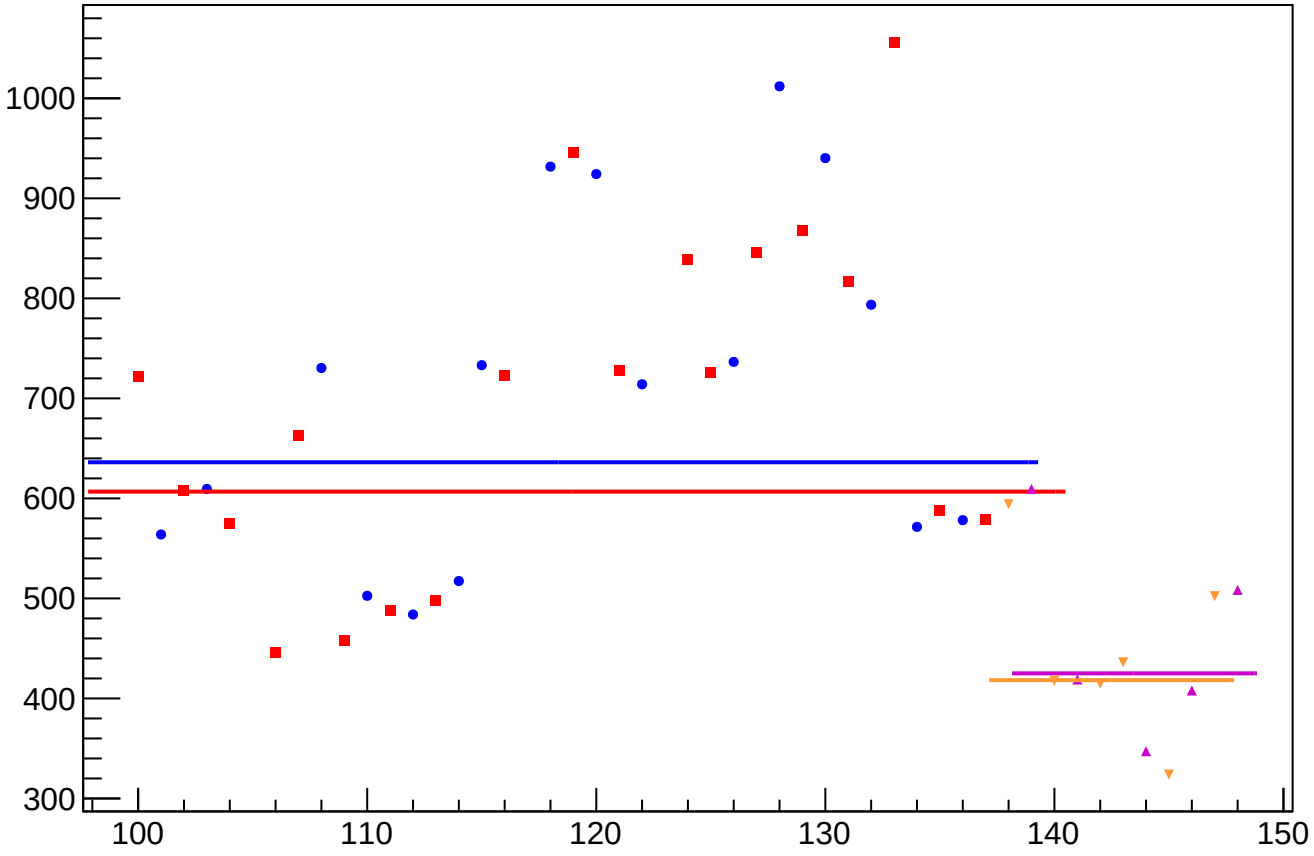
Left In: 254.677+/-208.253 χ^2/NDF:3.2/4

+ sign 413.145+/-155.132 χ^2/NDF: 40.8/21

All: 395.627+/-109.391 χ^2/NDF: 58.6/45

- sign 378.302+/-154.277 χ^2/NDF: 17.8/23

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

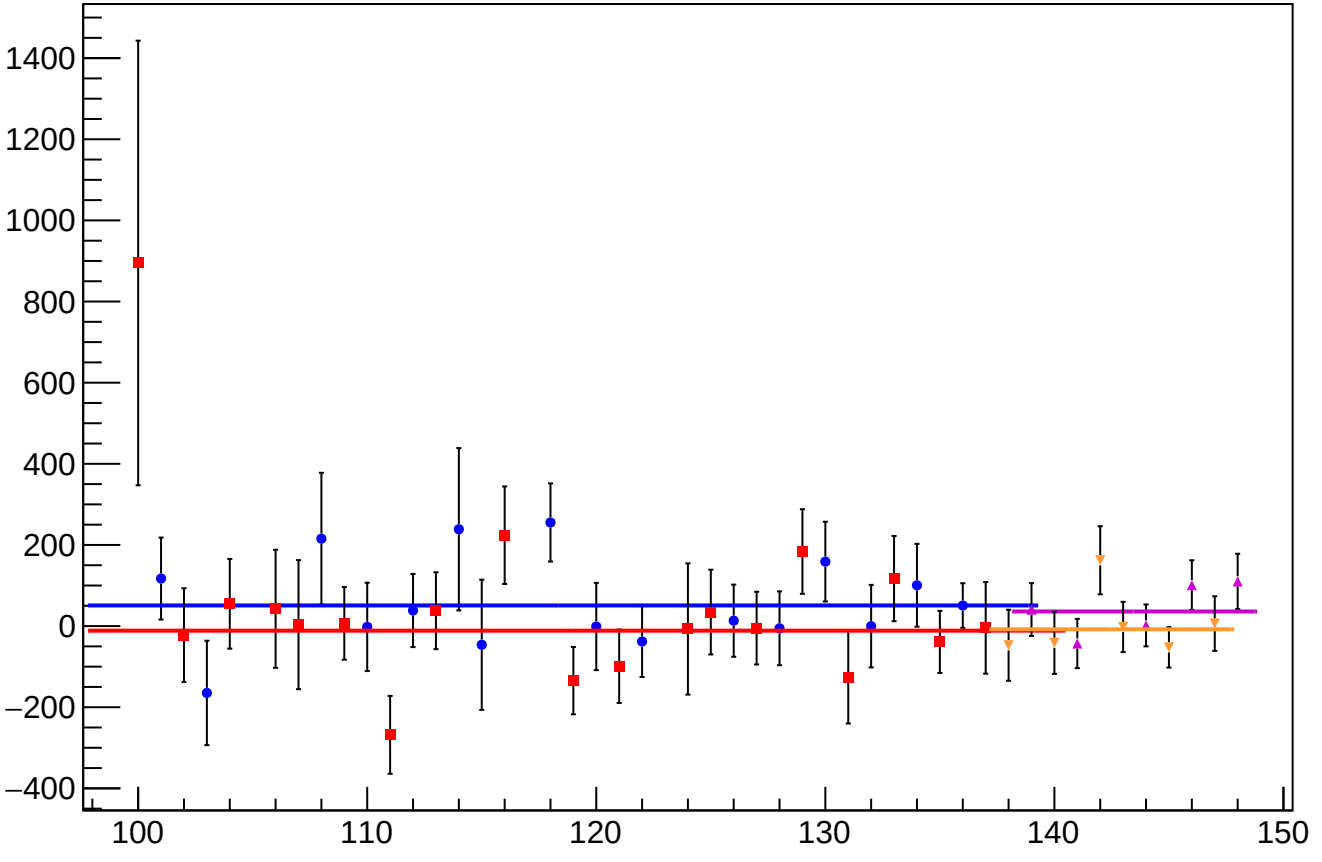
Left In: 425.100+/-0.147 χ^2/NDF:290528.4/4

+ sign 506.490+/-0.110 χ^2/NDF: 1975638.2/21

All: 506.788+/-0.077 χ^2/NDF: 3847019.8/45

- sign 507.083+/-0.109 χ^2/NDF: 1871366.9/23

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

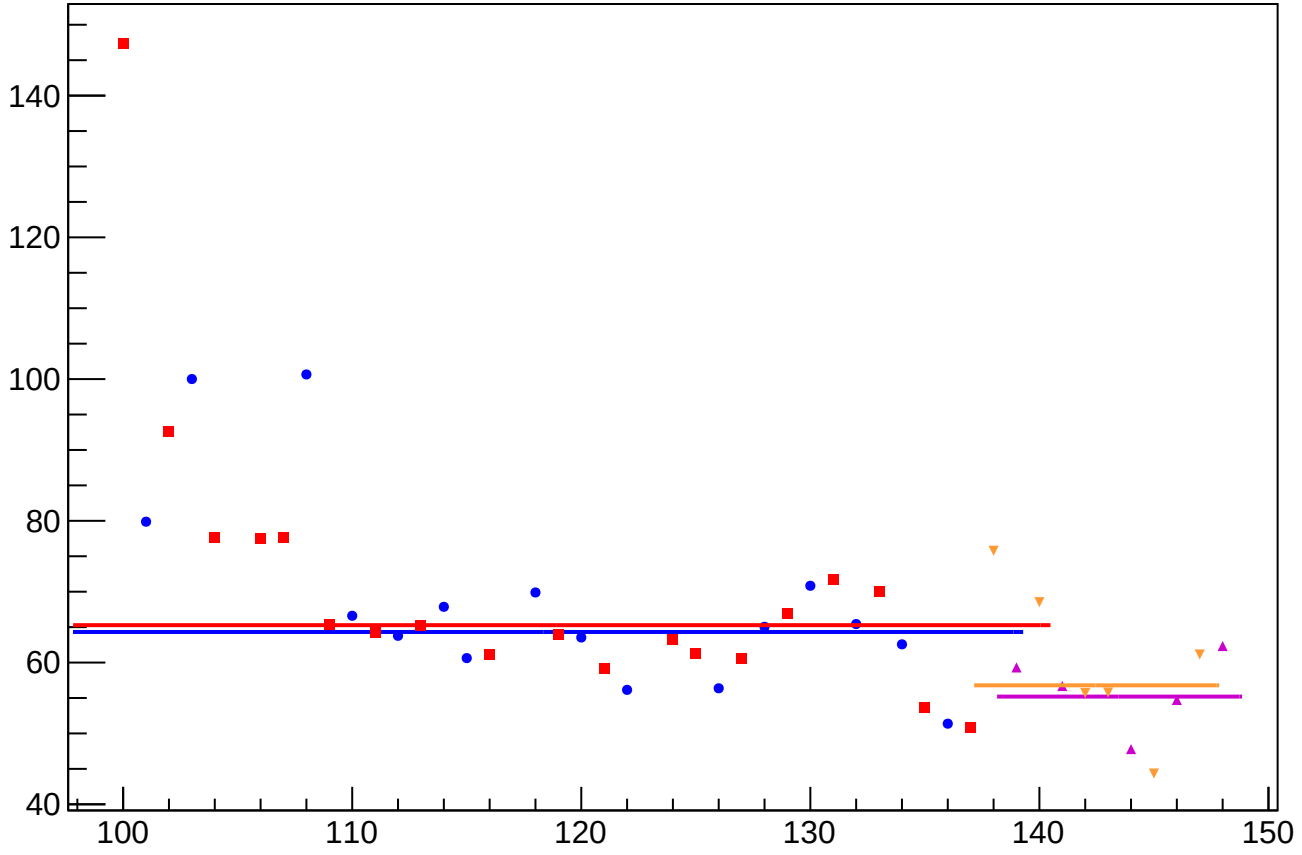
Left In: 35.983+/-27.085 χ^2/NDF:4.4/4

+ sign 24.804+/-18.275 χ^2/NDF: 21.7/21

All: 17.245+/-12.859 χ^2/NDF: 52.2/45

- sign 9.832+/-18.097 χ^2/NDF: 30.1/23

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

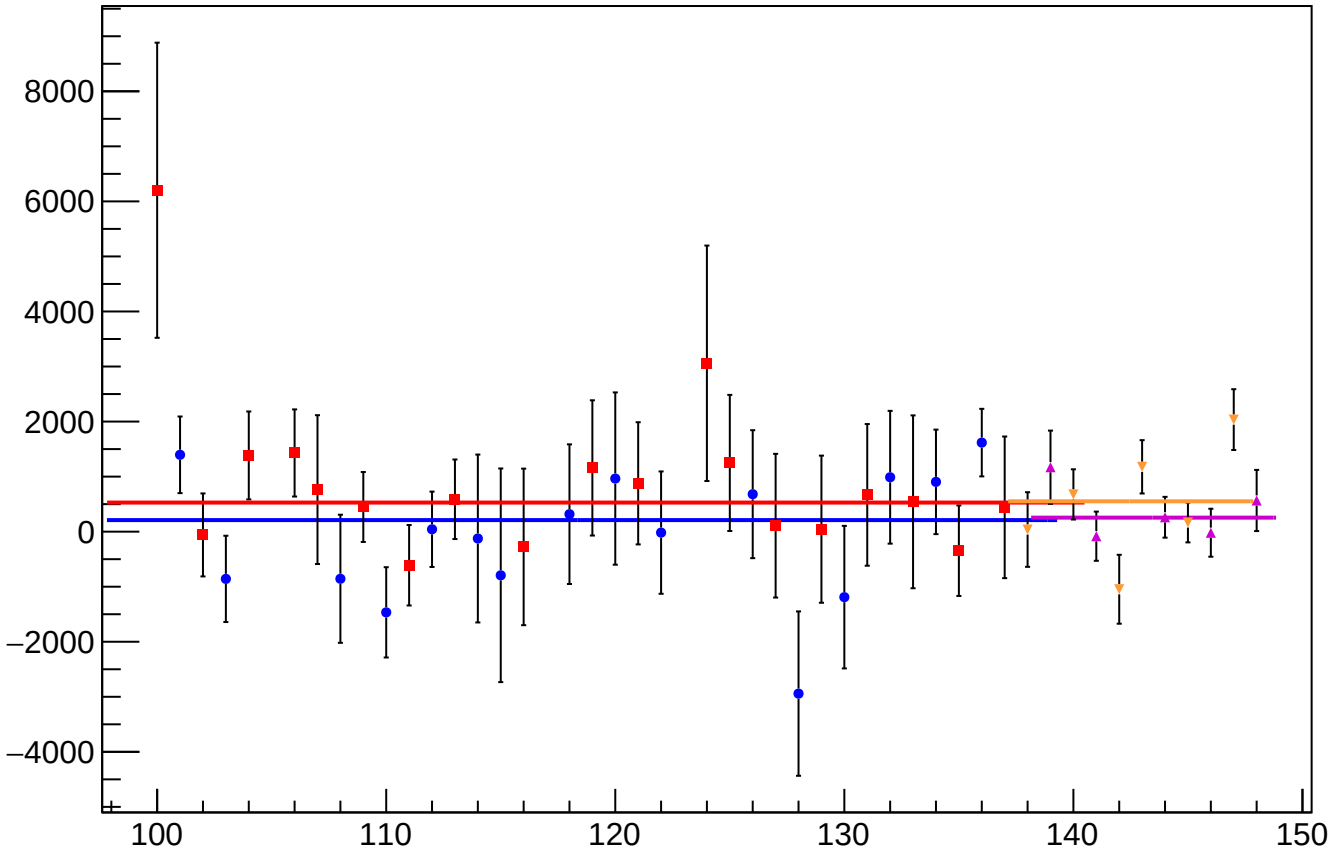
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.200+/-0.019 χ^2/NDF:72381.2/4

+ sign 60.980+/-0.013 χ^2/NDF: 823770.6/21

All: 60.878+/-0.009 χ^2/NDF: 1368687.9/45

- sign 60.778+/-0.013 χ^2/NDF: 544793.6/23



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.347+/-201.096 χ^2/NDF:17.2/5

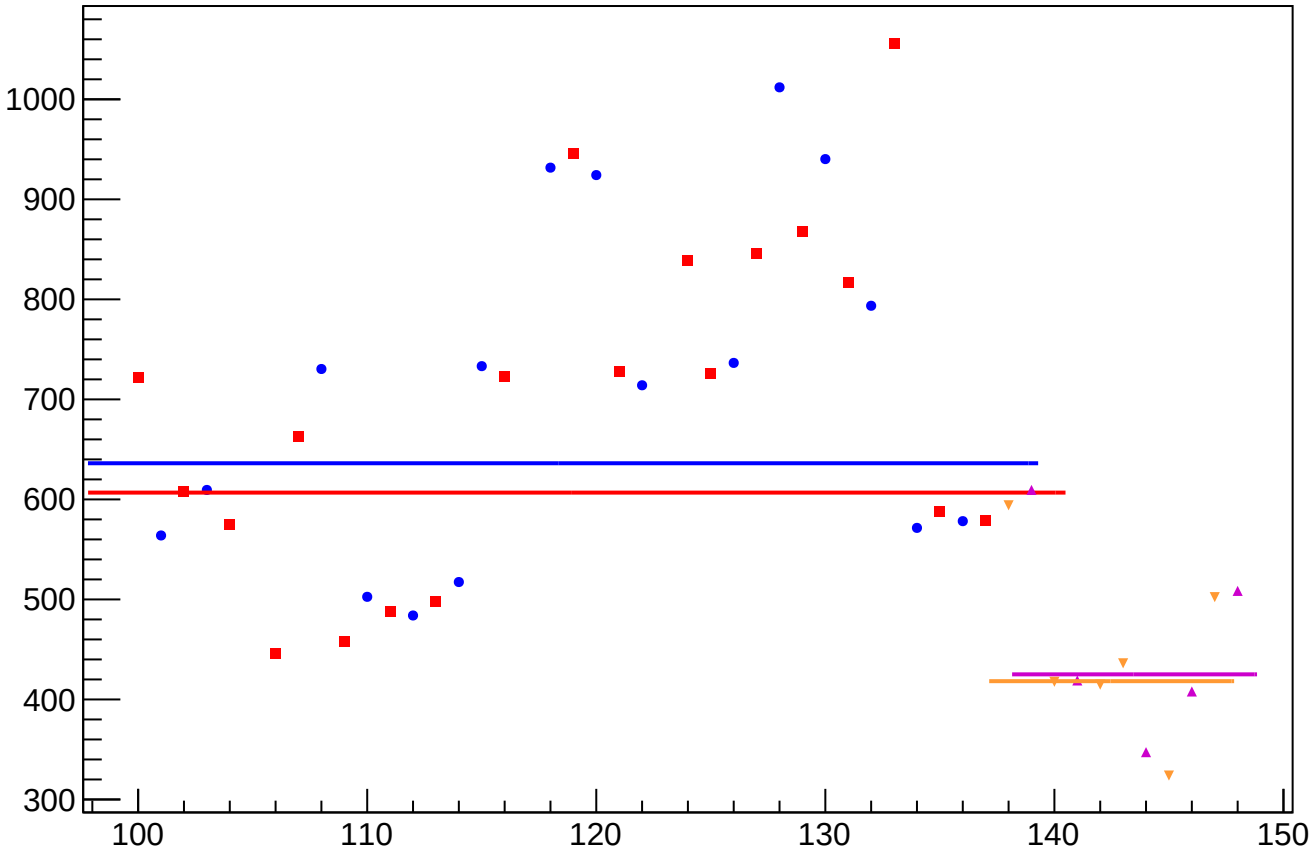
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 254.676+/-208.252 χ^2/NDF:3.2/4

\+ sign 413.145+/-155.131 χ^2/NDF: 40.8/21

All: 395.627+/-109.391 χ^2/NDF: 58.6/45

\- sign 378.302+/-154.277 χ^2/NDF: 17.8/23



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

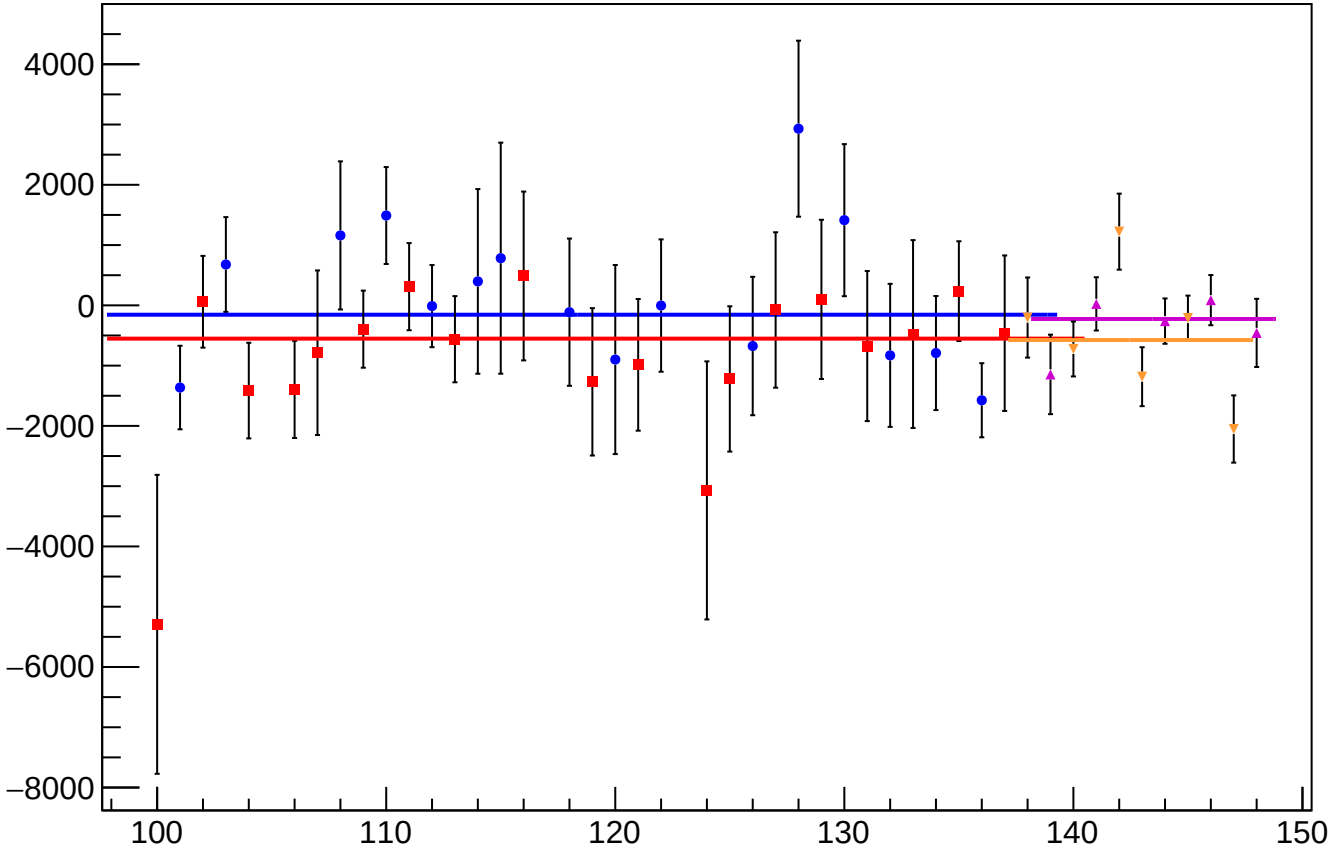
Left In: 425.100+/-0.147 χ^2/NDF:290529.1/4

+ sign 506.489+/-0.110 χ^2/NDF: 1975651.7/21

All: 506.787+/-0.077 χ^2/NDF: 3847037.9/45

- sign 507.082+/-0.109 χ^2/NDF: 1871371.4/23

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

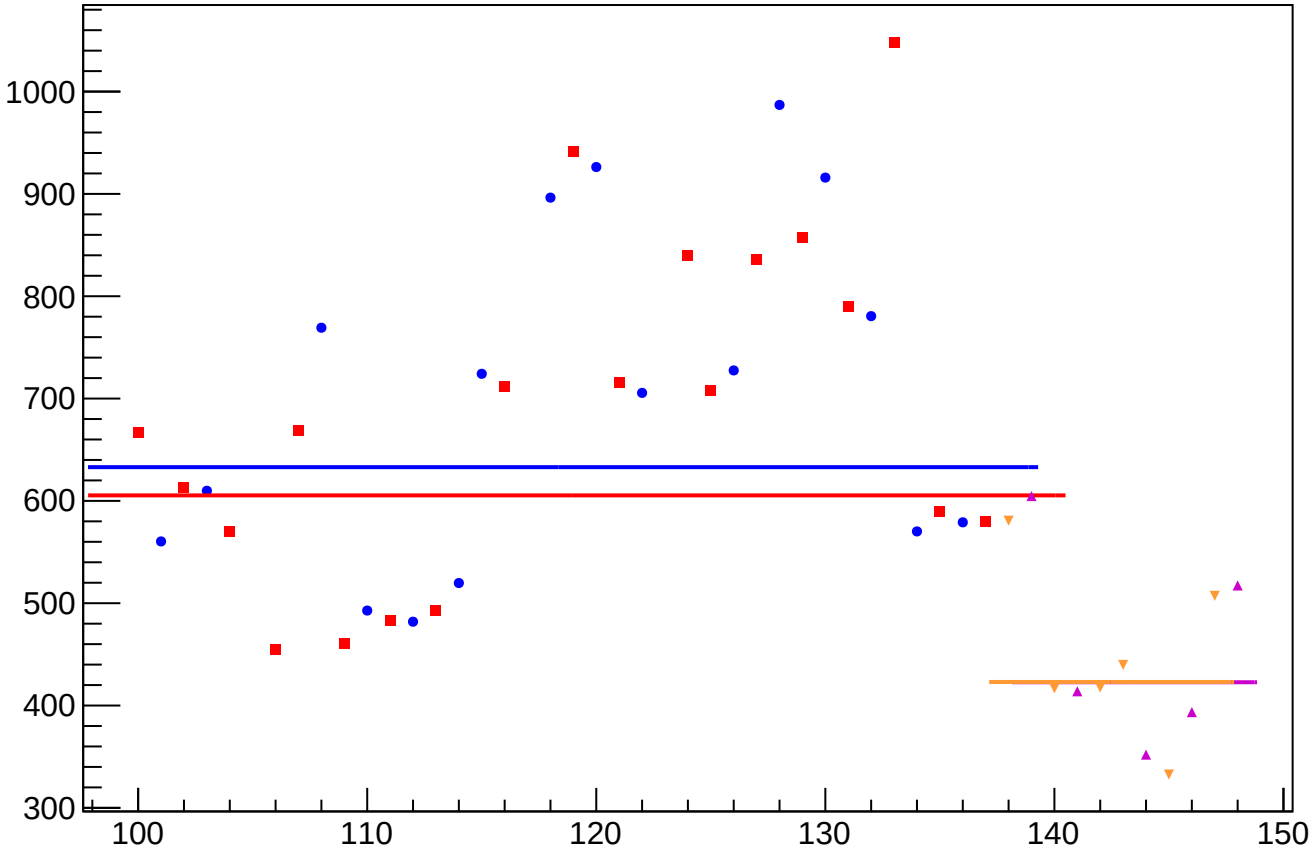
Left In: -226.154+/-206.774 χ^2/NDF:3.0/4

+ sign -402.399+/-155.793 χ^2/NDF: 42.3/21

All: -387.301+/-109.320 χ^2/NDF: 58.6/45

- sign -372.657+/-153.436 χ^2/NDF: 16.3/23

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

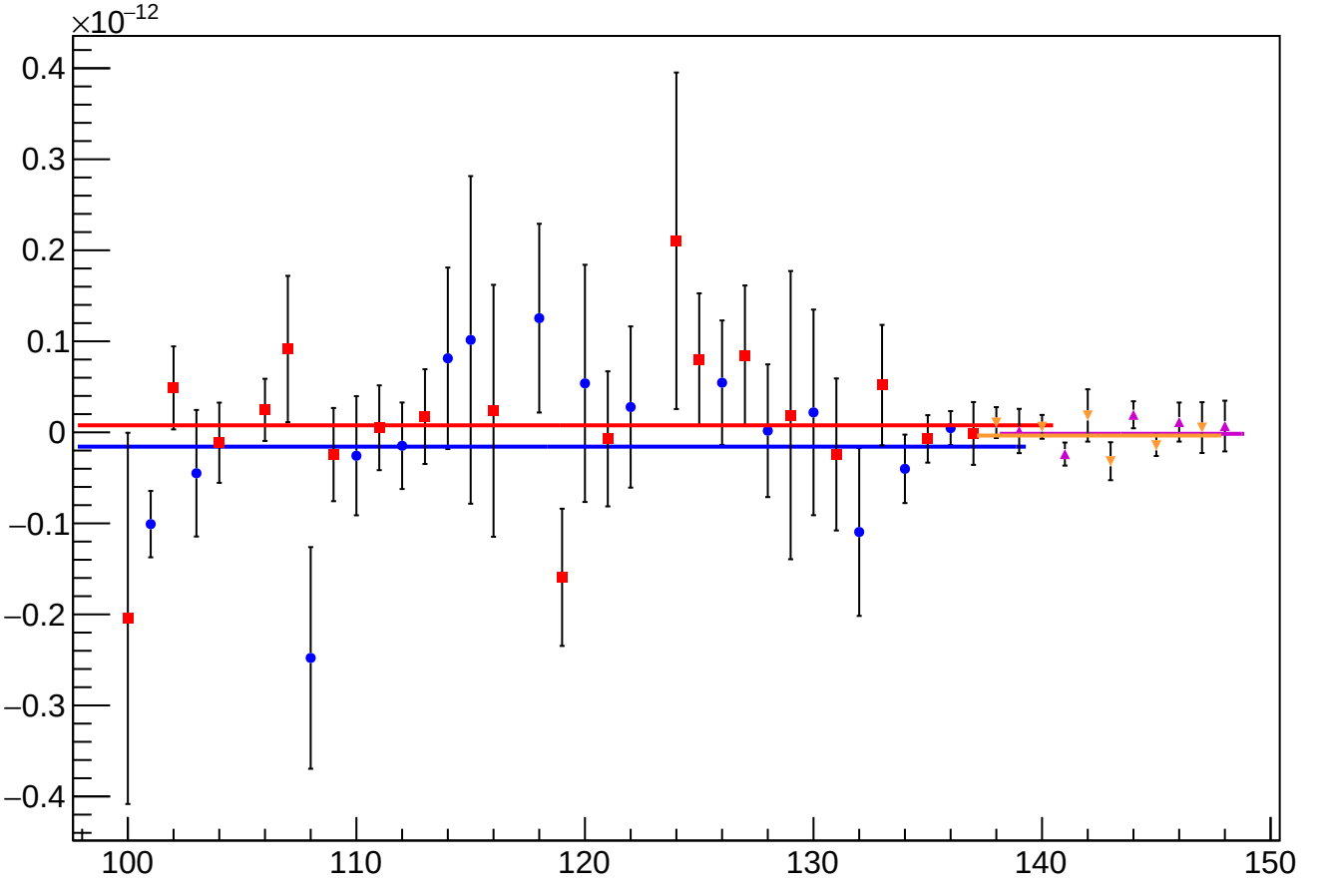
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 422.763+/-0.146 χ^2/NDF:289656.7/4

+ sign 509.613+/-0.110 χ^2/NDF: 1840208.9/21

All: 507.181+/-0.077 χ^2/NDF: 3685771.4/45

- sign 504.822+/-0.108 χ^2/NDF: 1844602.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

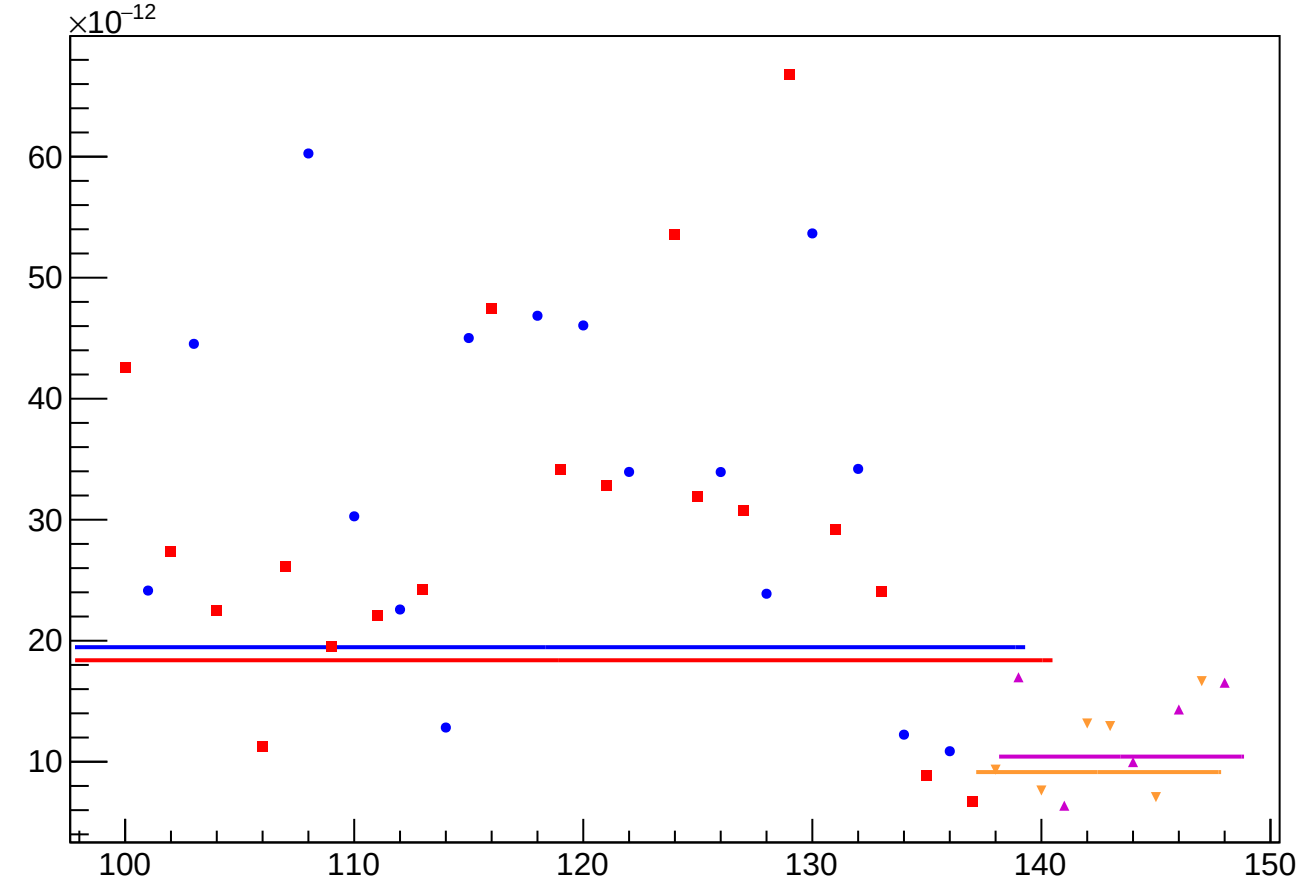
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.2/21

All: -0.000+/-0.000 χ^2/NDF: 41.9/45

- sign 0.000+/-0.000 χ^2/NDF: 18.9/23



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

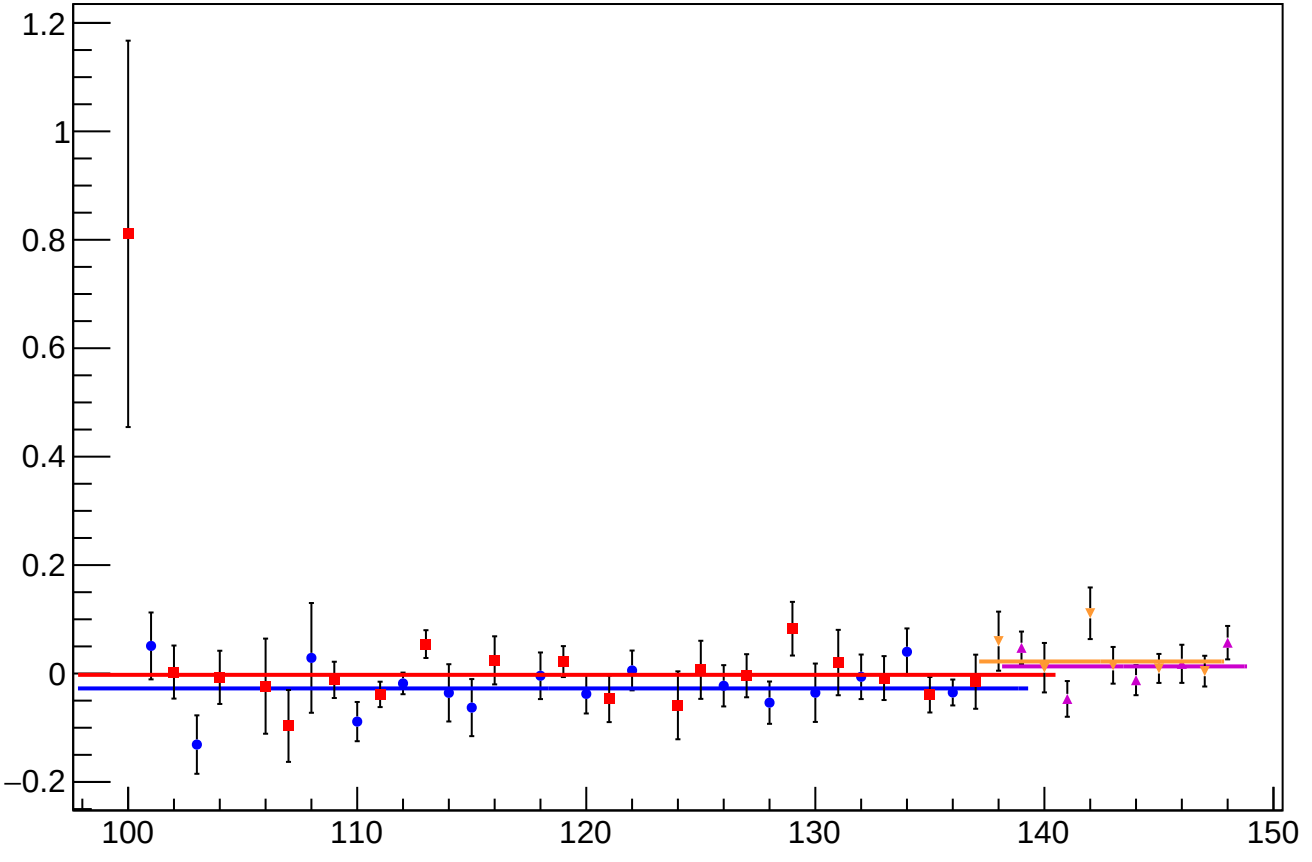
Left In: 0.000+/-0.000 χ^2/NDF:514537.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3110872.8/21

All: 0.000+/-0.000 χ^2/NDF: 5714457.7/45

- sign 0.000+/-0.000 χ^2/NDF: 2561151.0/23

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

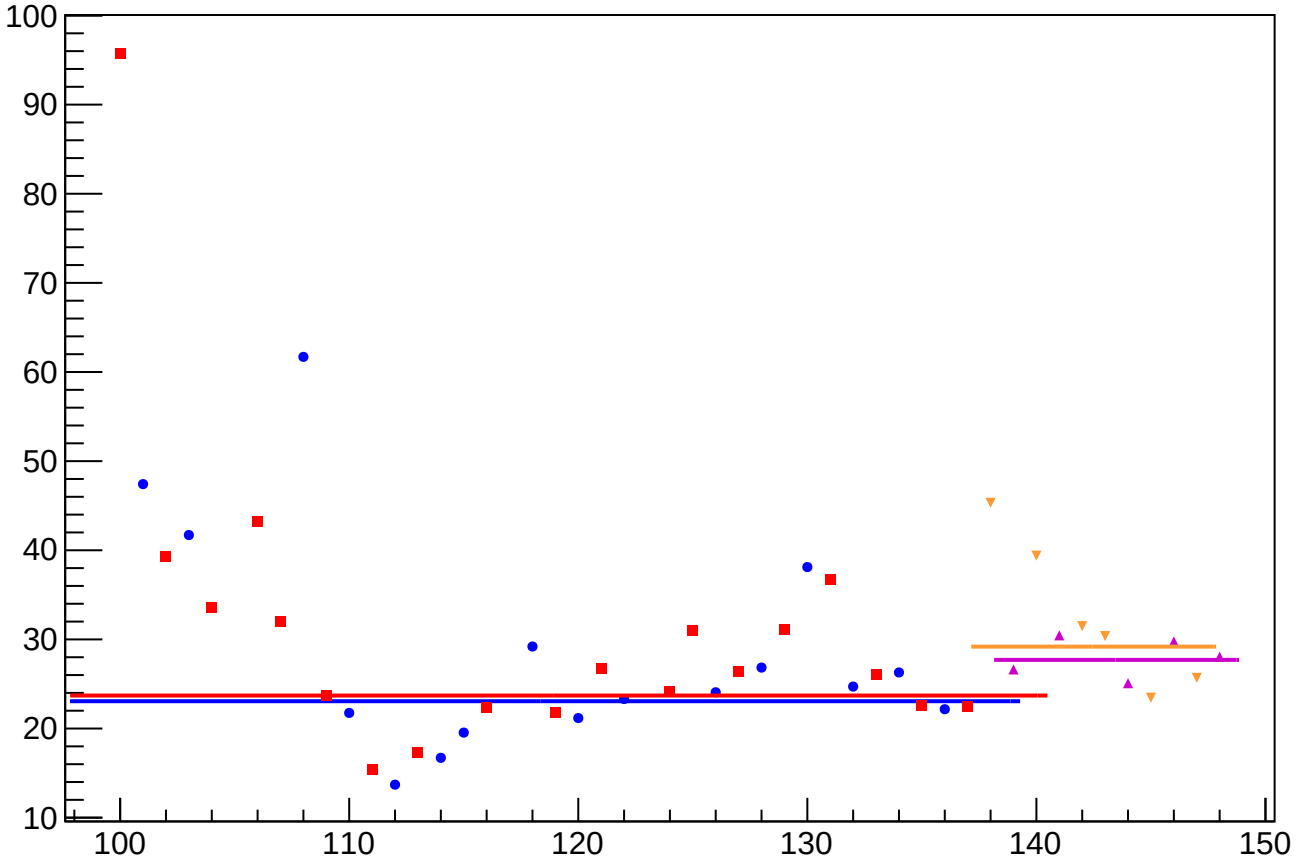
Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.005+/-0.006 χ^2/NDF: 59.0/45

- sign 0.002+/-0.008 χ^2/NDF: 30.5/23

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

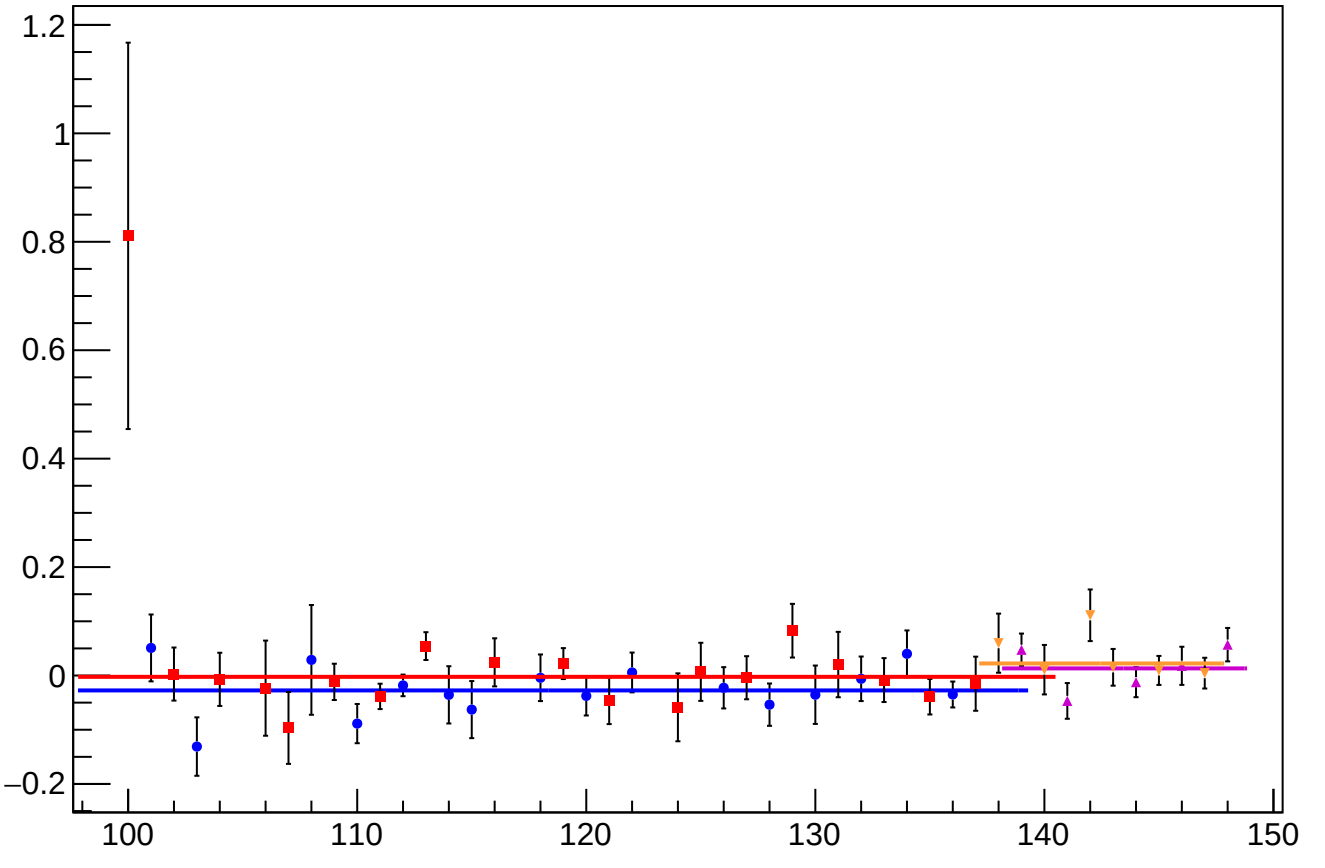
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

+ sign 24.881+/-0.006 χ^2/NDF: 2221518.4/21

All: 24.912+/-0.004 χ^2/NDF: 3466373.2/45

- sign 24.941+/-0.005 χ^2/NDF: 1244794.7/23



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

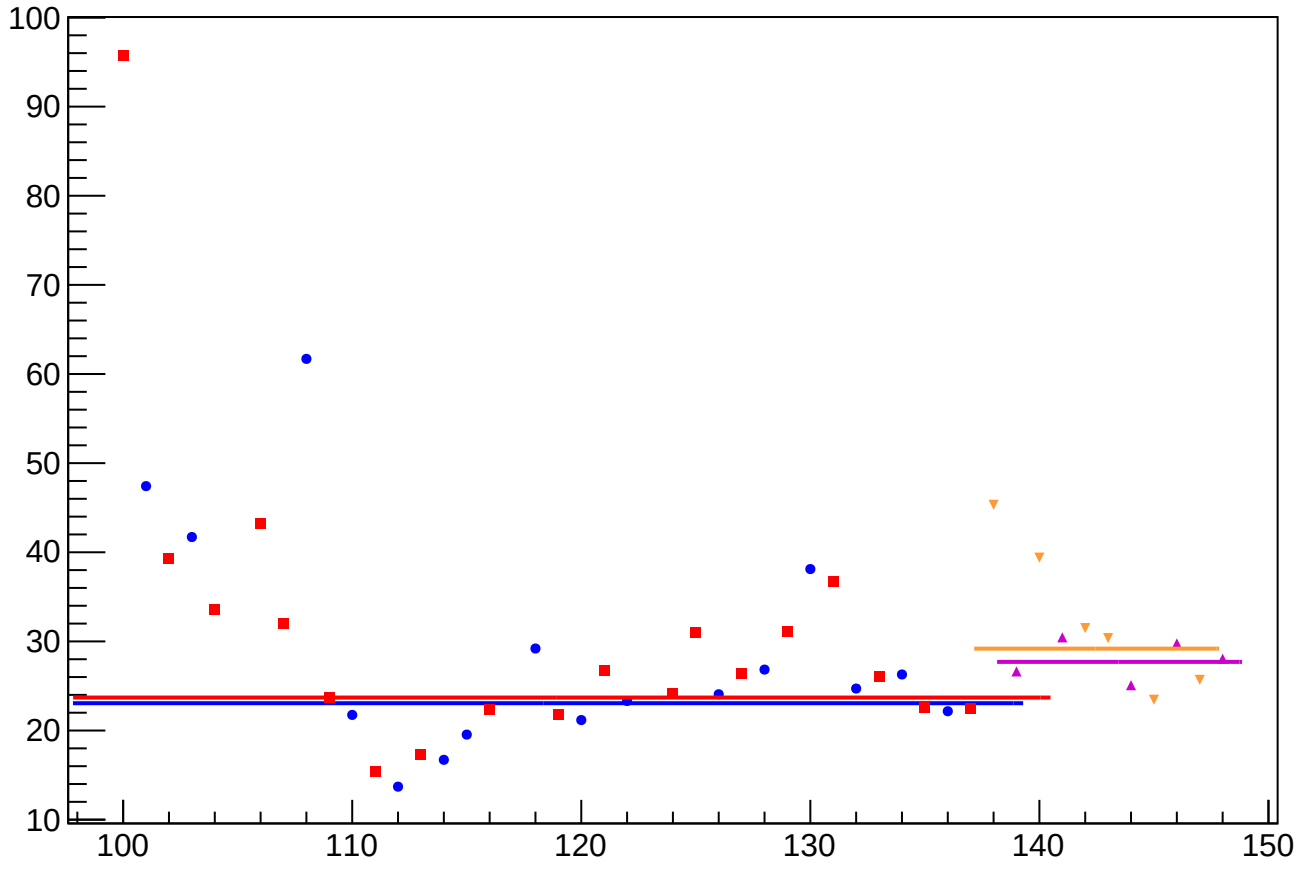
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.005+/-0.006 χ^2/NDF: 59.0/45

- sign 0.002+/-0.008 χ^2/NDF: 30.5/23



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

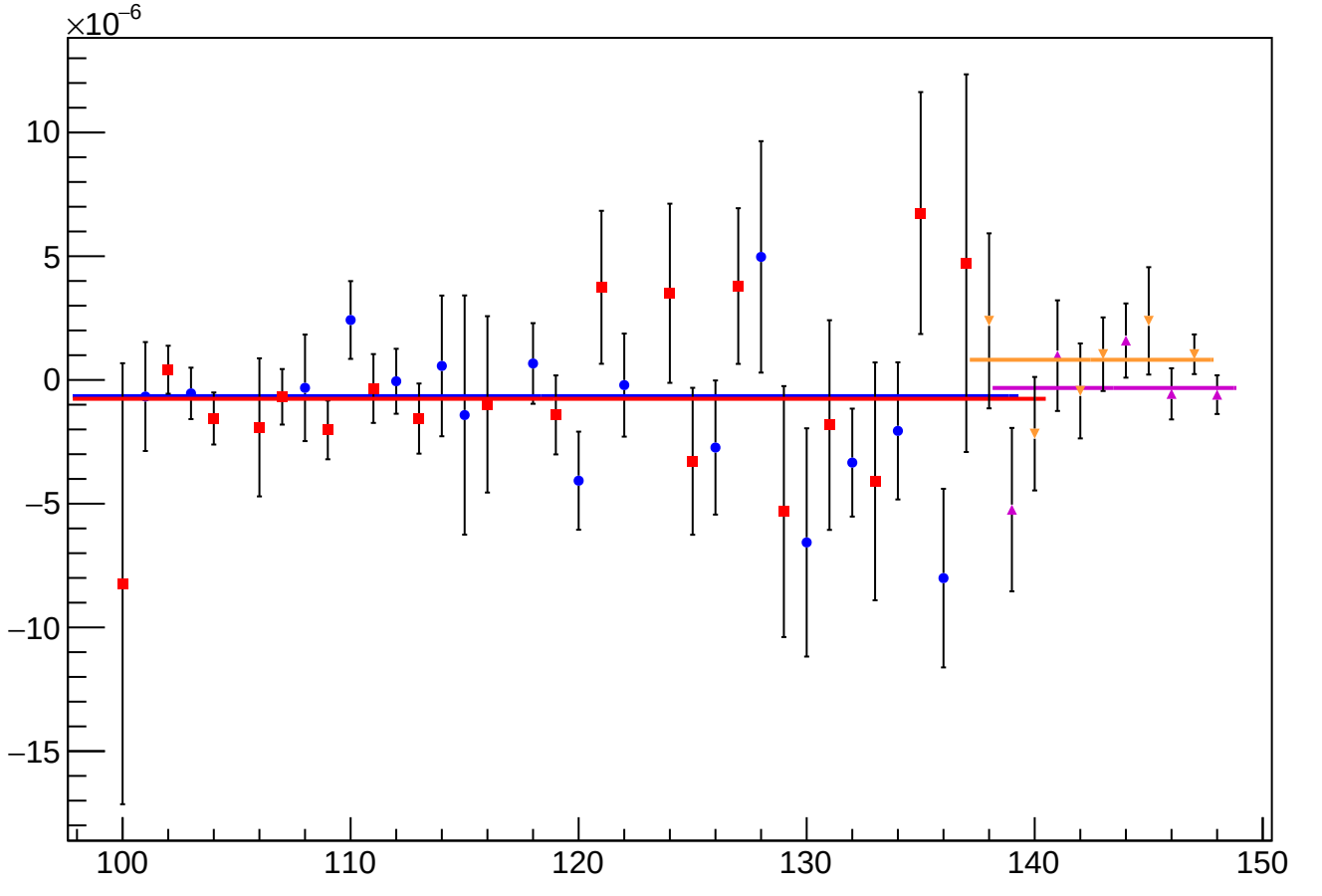
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

+ sign 24.881+/-0.006 χ^2/NDF: 2221518.4/21

All: 24.912+/-0.004 χ^2/NDF: 3466373.2/45

- sign 24.941+/-0.005 χ^2/NDF: 1244794.7/23



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

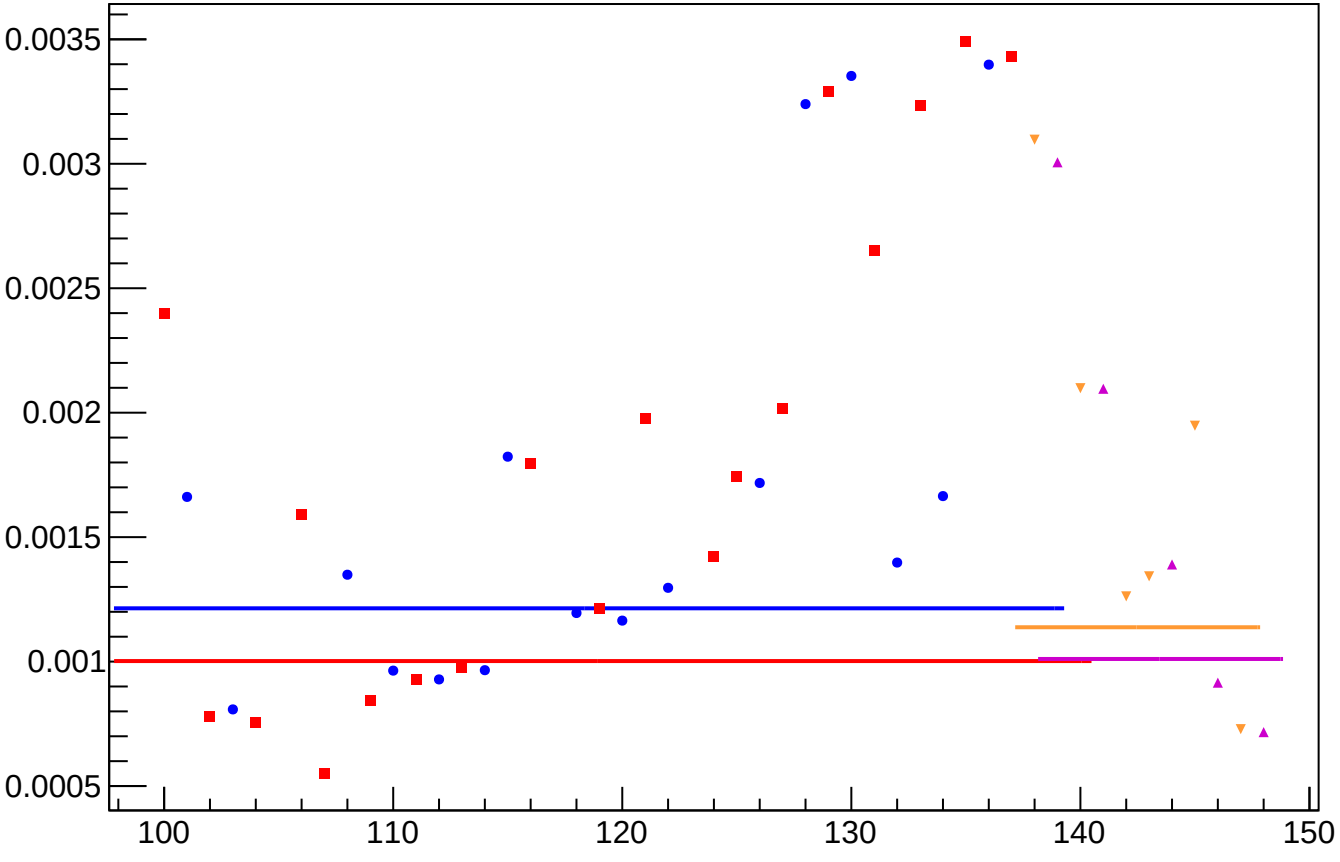
Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/21

All: -0.000+/-0.000 χ^2/NDF: 45.1/45

- sign -0.000+/-0.000 χ^2/NDF: 19.9/23

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1811641.3/5

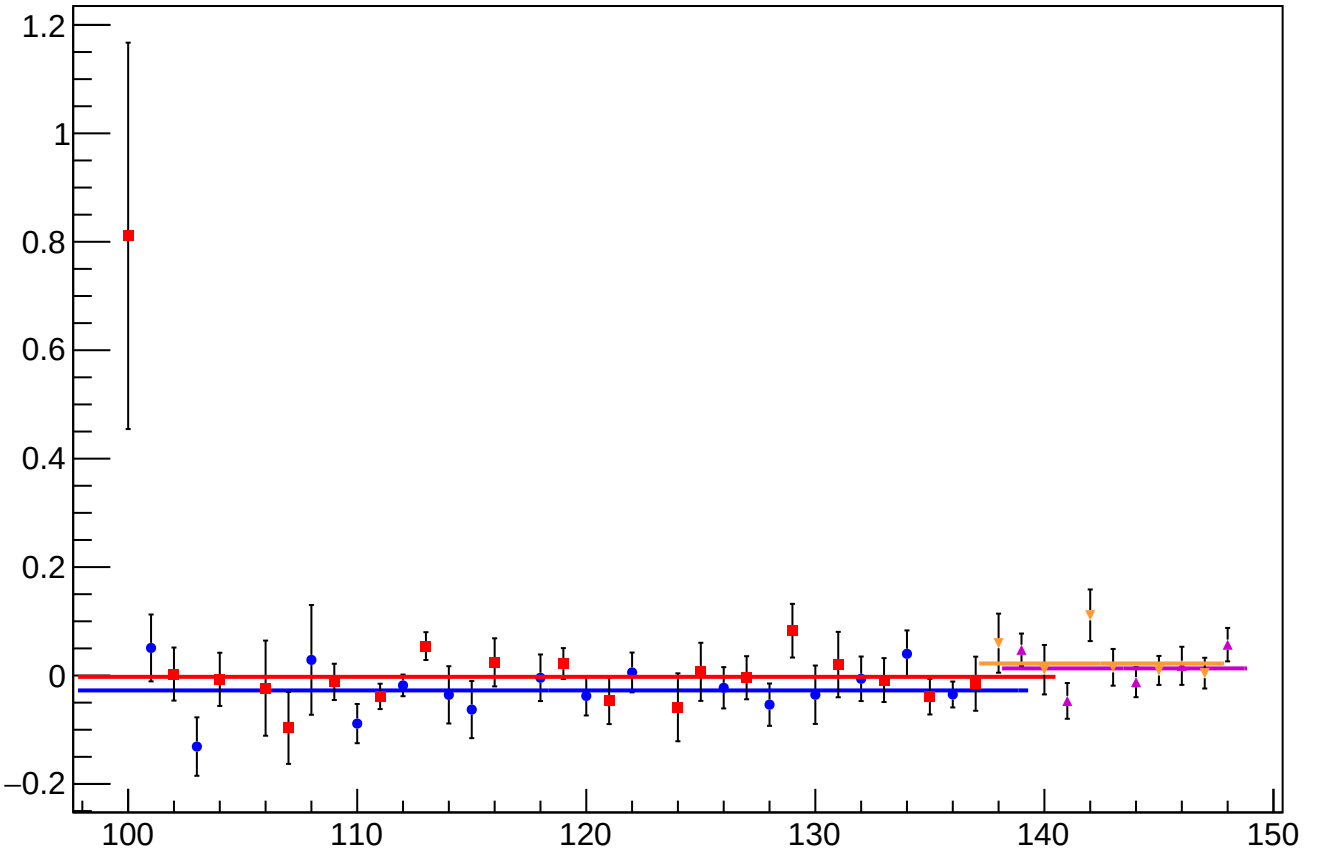
Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1630146.4/4

+ sign 0.001+/-0.000 χ^2/NDF: 4098009.6/21

All: 0.001+/-0.000 χ^2/NDF: 9249888.7/45

- sign 0.001+/-0.000 χ^2/NDF: 4907666.2/23



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

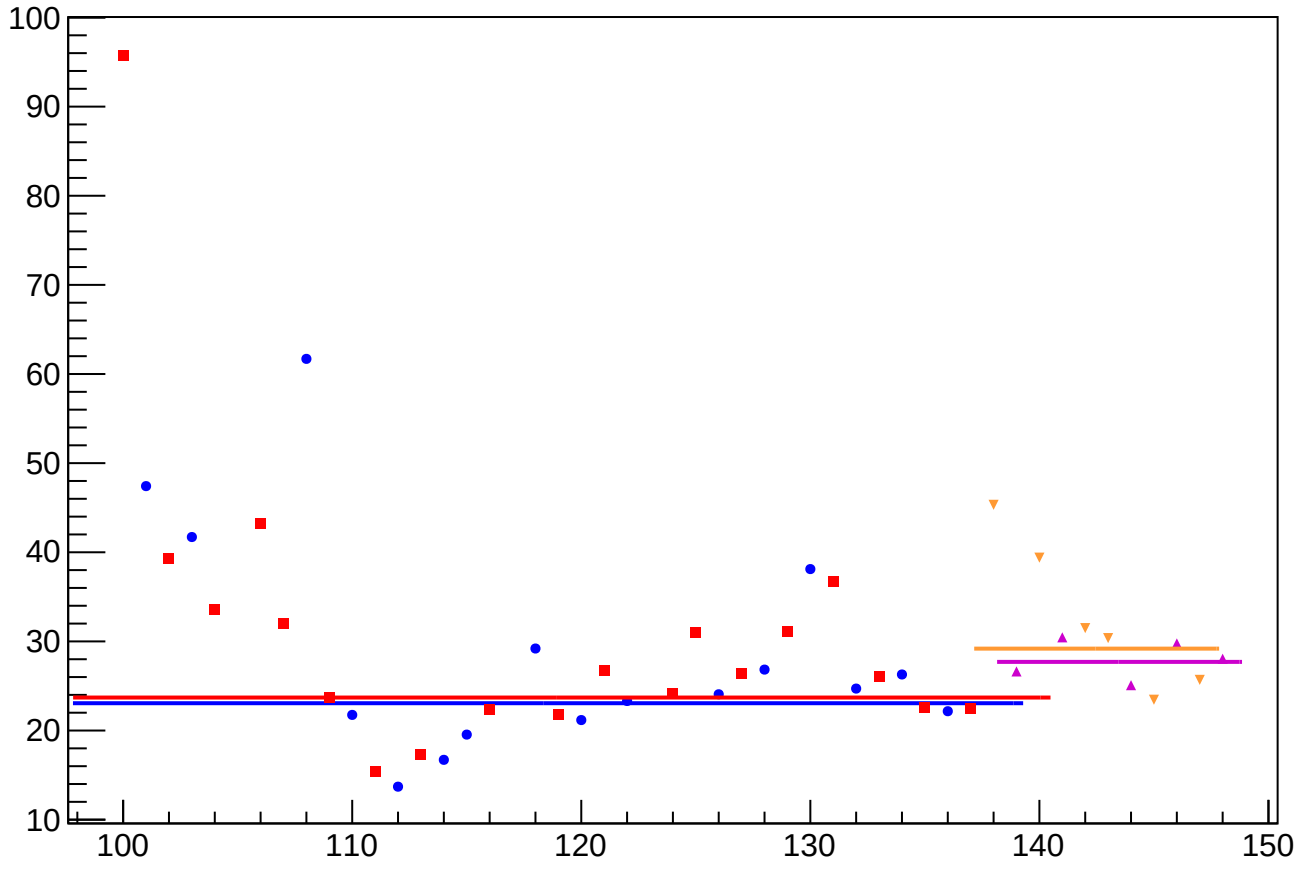
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.005+/-0.006 χ^2/NDF: 59.0/45

- sign 0.002+/-0.008 χ^2/NDF: 30.5/23



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

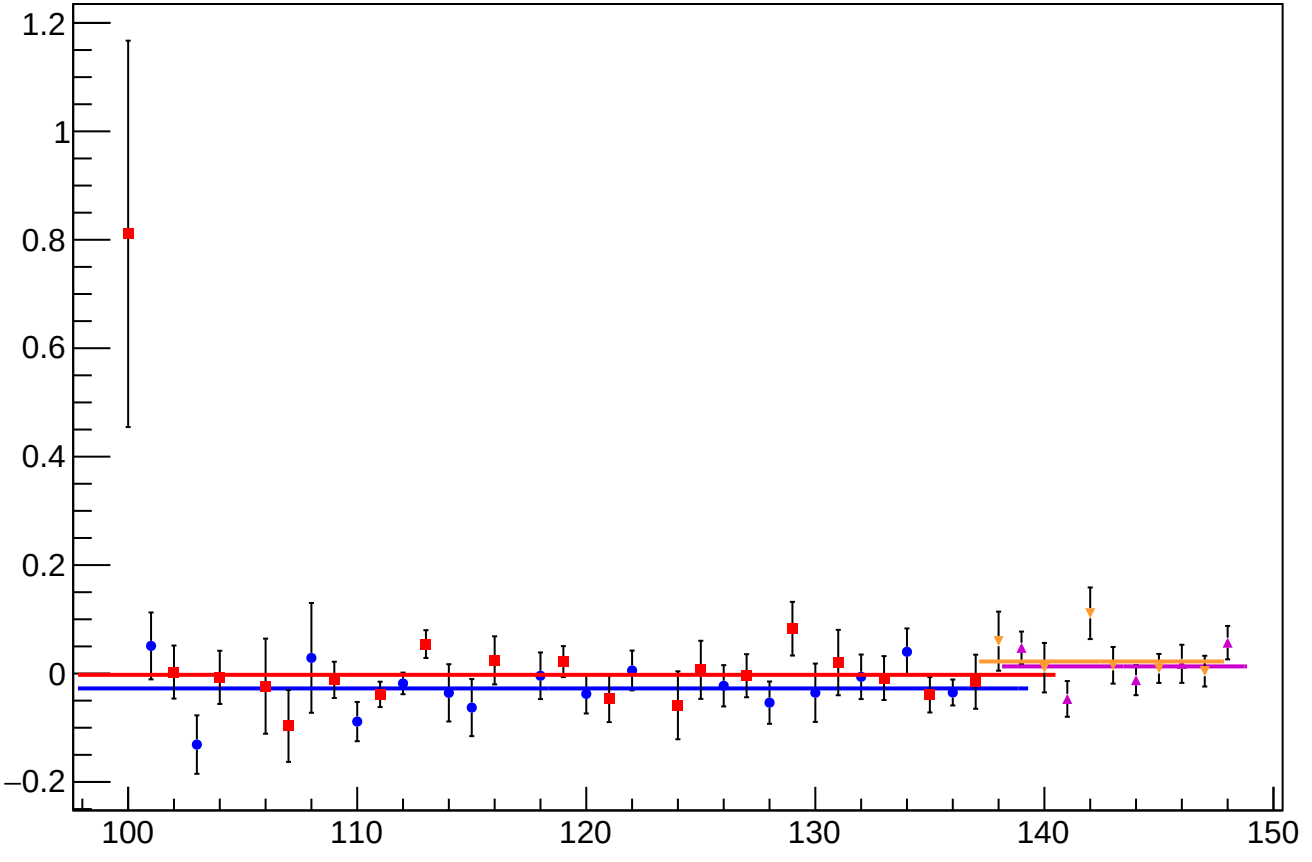
Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

+ sign 24.881+/-0.006 χ^2/NDF: 2221534.0/21

All: 24.911+/-0.004 χ^2/NDF: 3466441.2/45

- sign 24.941+/-0.005 χ^2/NDF: 1244847.4/23

asym_sam_15_48_dd_eigen_dit_vs_eigen_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

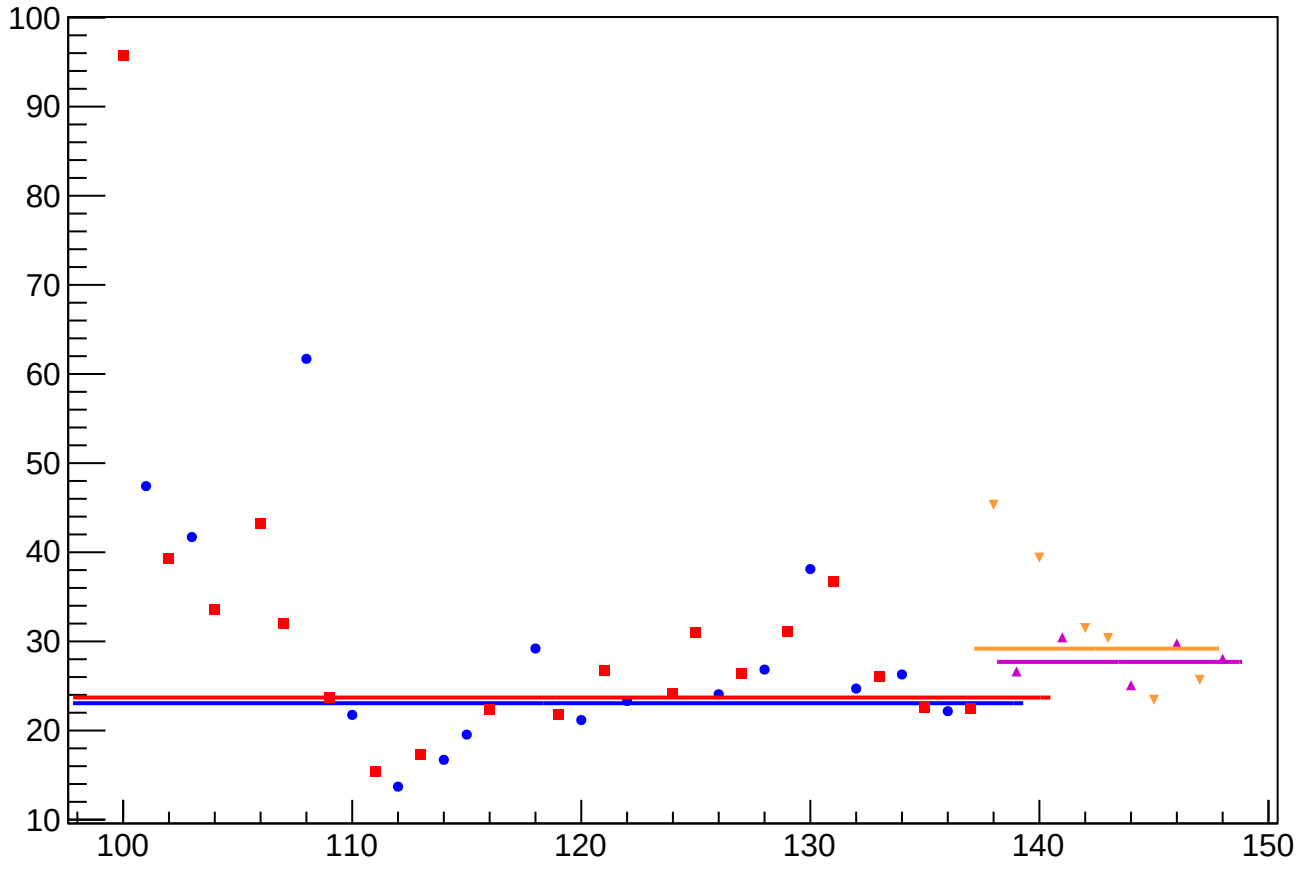
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.013+/-0.008 χ^2/NDF: 26.7/21

All: -0.005+/-0.006 χ^2/NDF: 59.0/45

- sign 0.002+/-0.008 χ^2/NDF: 30.5/23



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

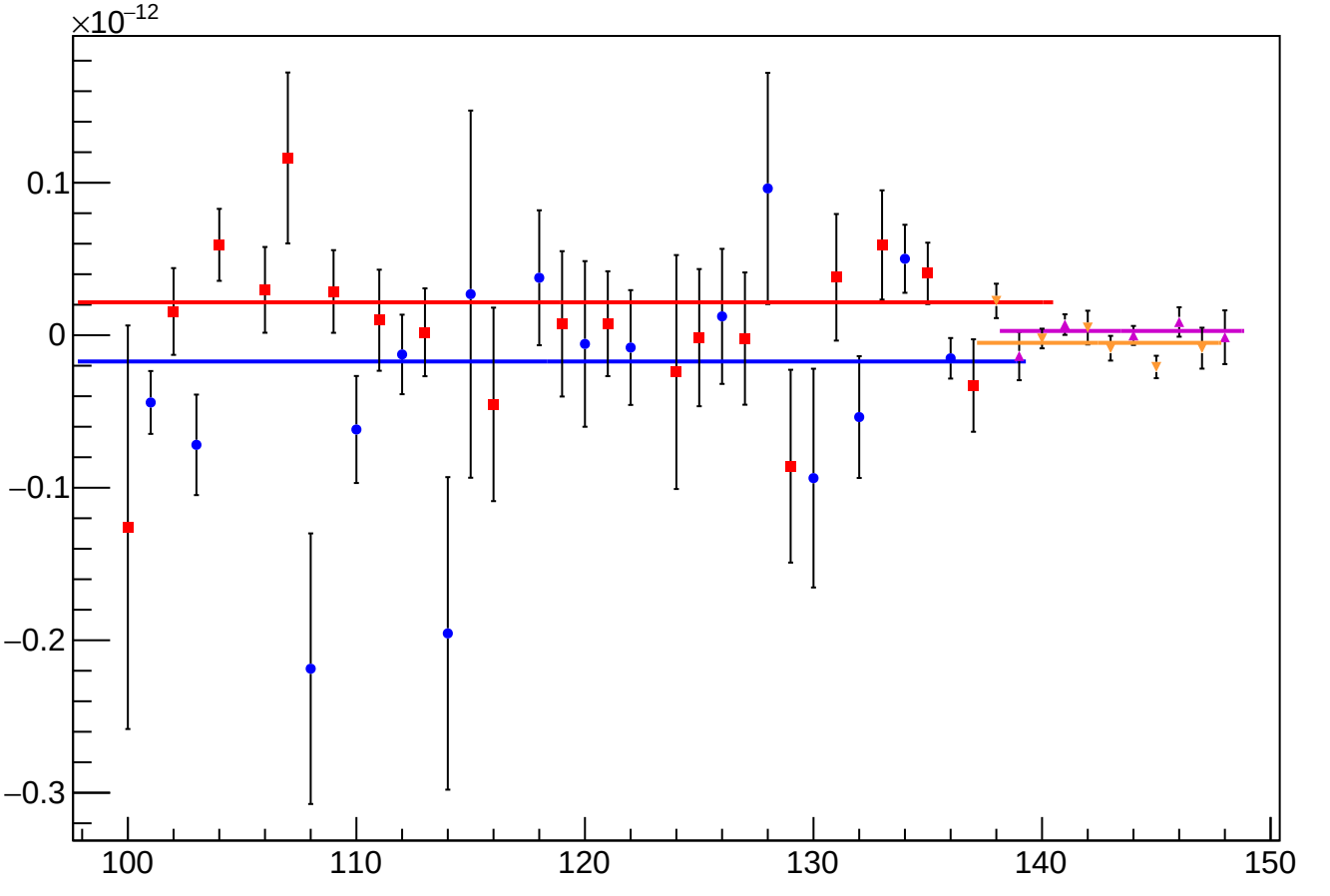
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

+ sign 24.881+/-0.006 χ^2/NDF: 2221534.0/21

All: 24.911+/-0.004 χ^2/NDF: 3466441.2/45

- sign 24.941+/-0.005 χ^2/NDF: 1244847.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/5

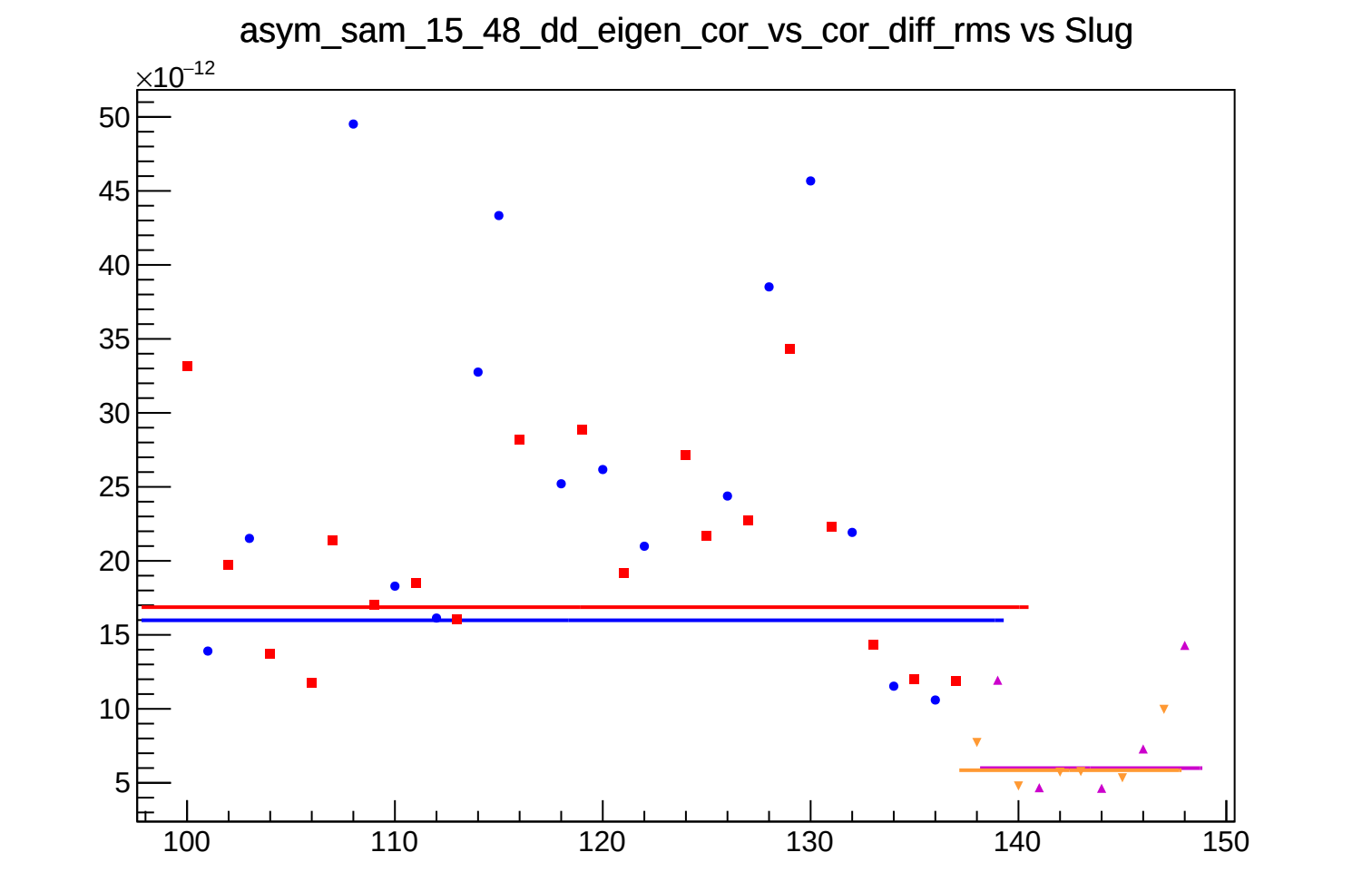
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/21

All: -0.000+/-0.000 χ^2/NDF: 76.6/45

- sign 0.000+/-0.000 χ^2/NDF: 24.7/23



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

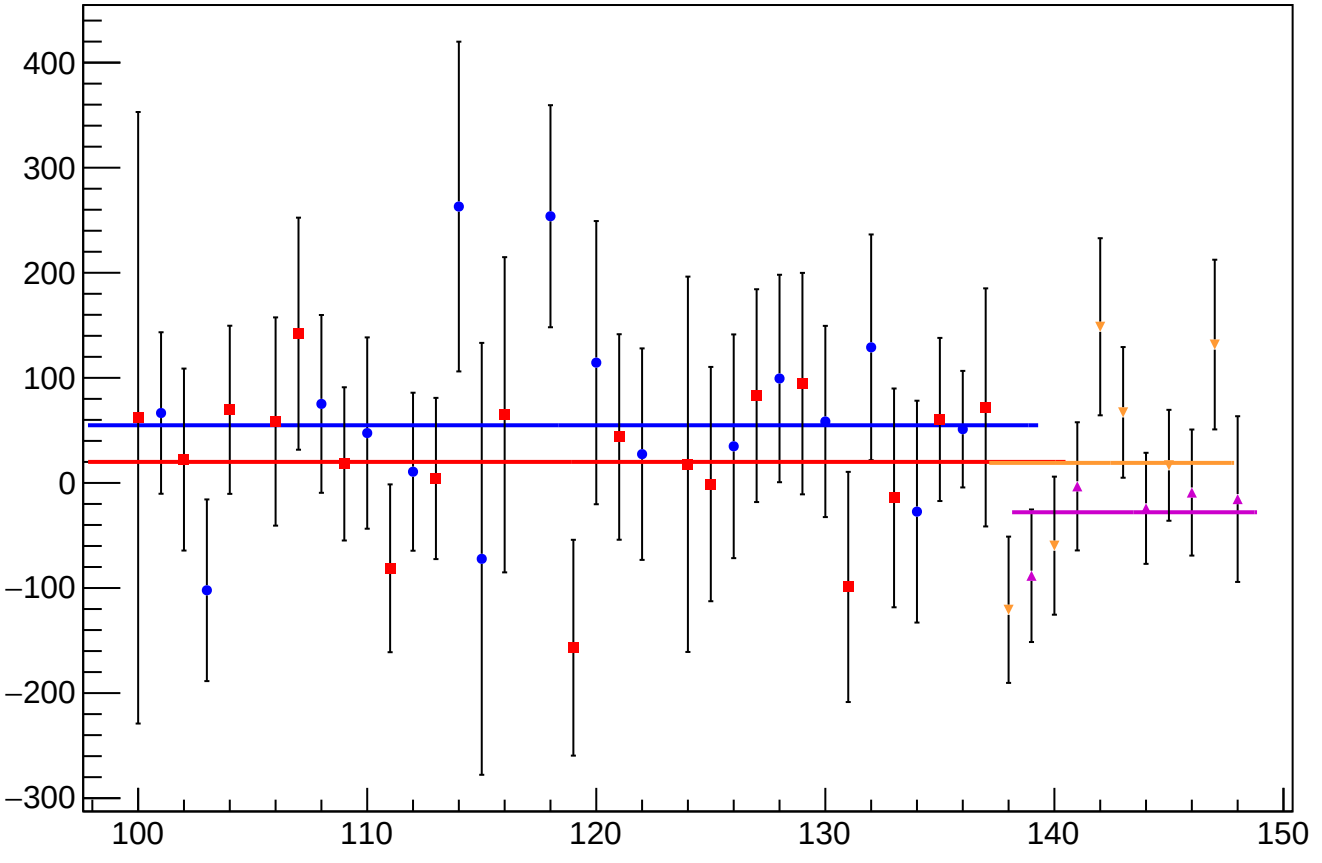
Left In: 0.000+/-0.000 χ^2/NDF:931830.8/4

\+ sign 0.000+/-0.000 χ^2/NDF: 4888533.6/21

All: 0.000+/-0.000 χ^2/NDF: 9732461.0/45

\- sign 0.000+/-0.000 χ^2/NDF: 4819417.4/23

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

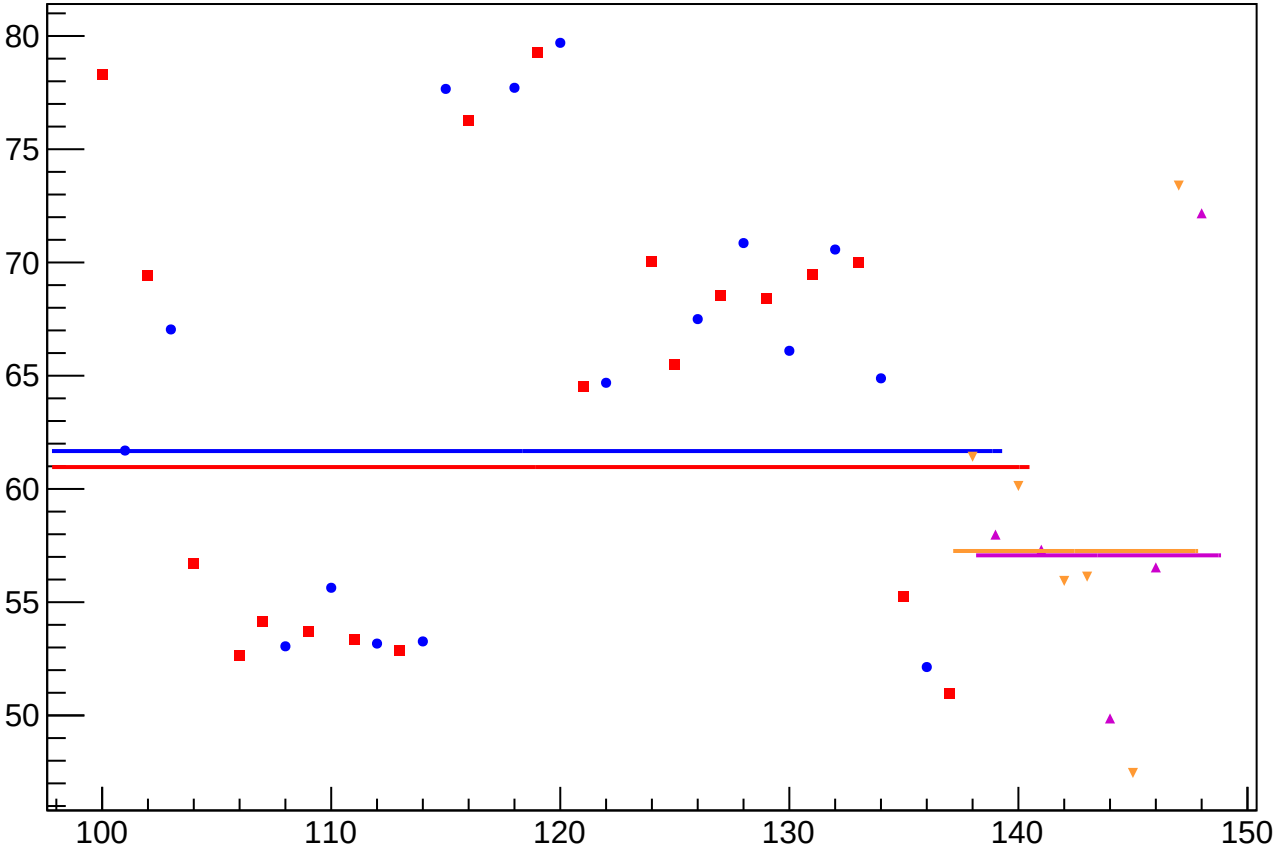
Left In: -27.903+/-27.554 χ^2/NDF:1.2/4

+ sign 39.834+/-17.647 χ^2/NDF: 22.4/21

All: 20.098+/-12.412 χ^2/NDF: 37.1/45

- sign 0.776+/-17.461 χ^2/NDF: 12.3/23

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

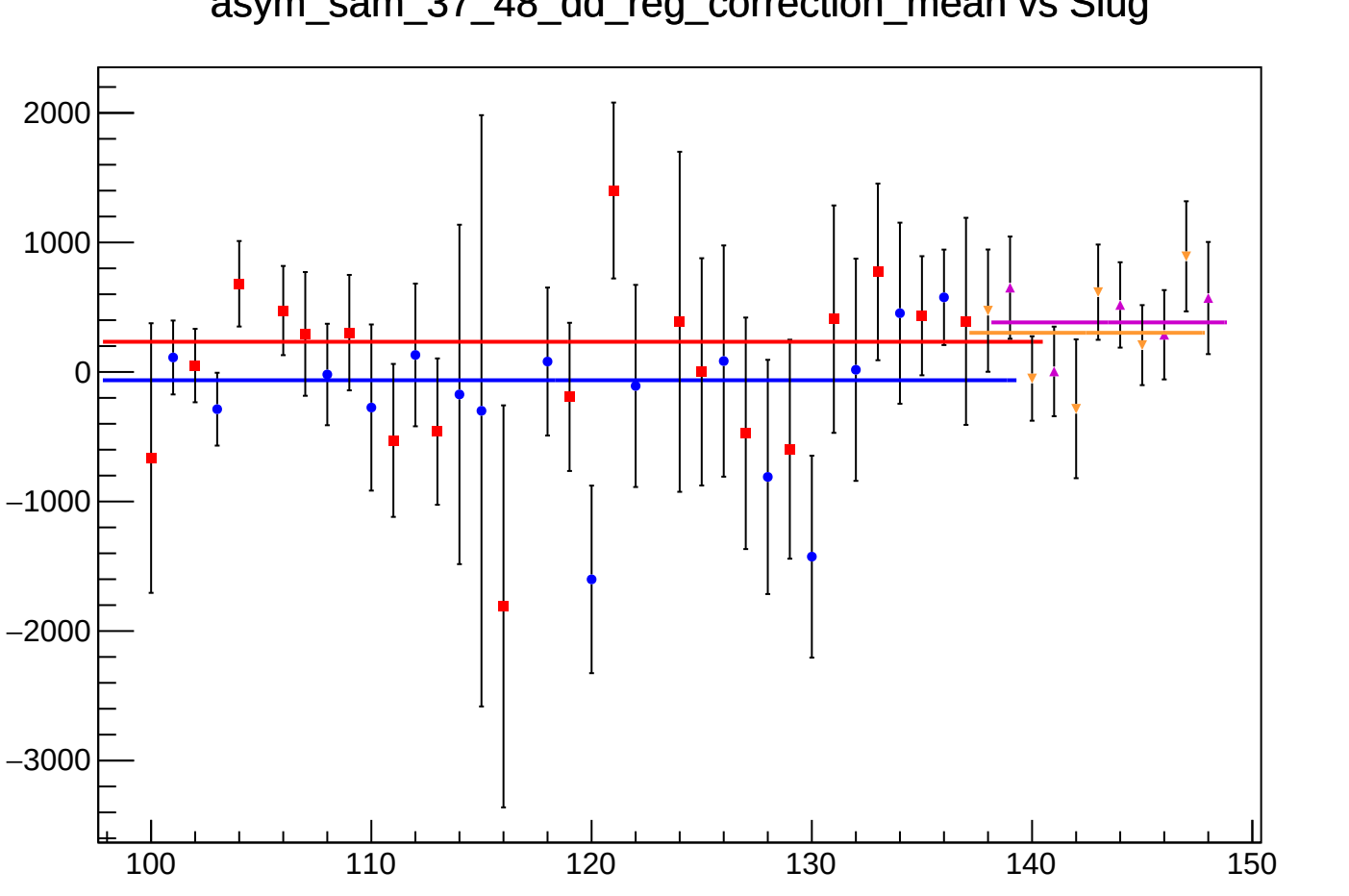
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.5/4

+ sign 59.818+/-0.012 χ^2/NDF: 458506.4/21

All: 59.608+/-0.009 χ^2/NDF: 878323.7/45

- sign 59.401+/-0.012 χ^2/NDF: 419252.5/23



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

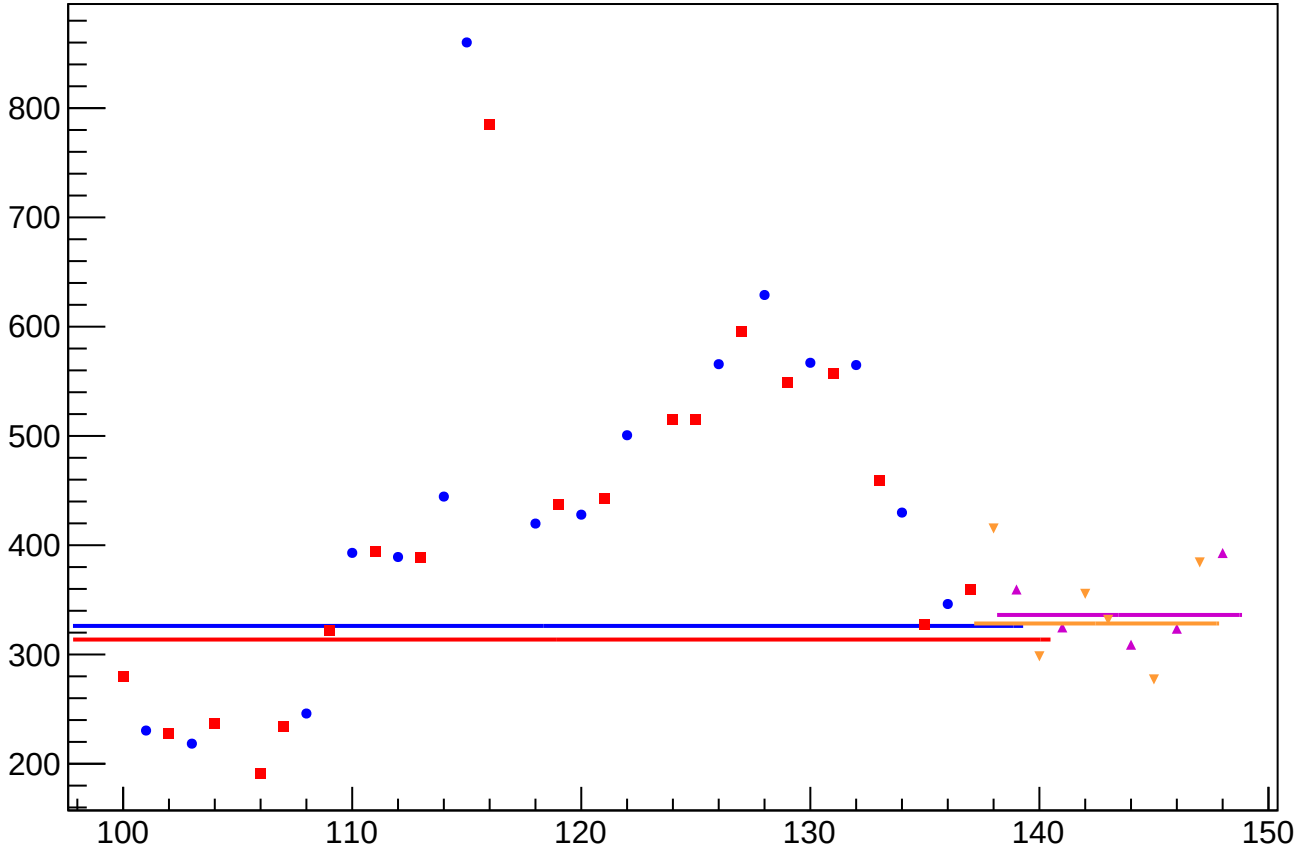
Left In: 382.726+/-162.777 χ^2/NDF:2.1/4

+ sign 85.149+/-99.876 χ^2/NDF: 21.7/21

All: 188.180+/-69.960 χ^2/NDF: 40.9/45

- sign 287.432+/-98.028 χ^2/NDF: 17.1/23

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

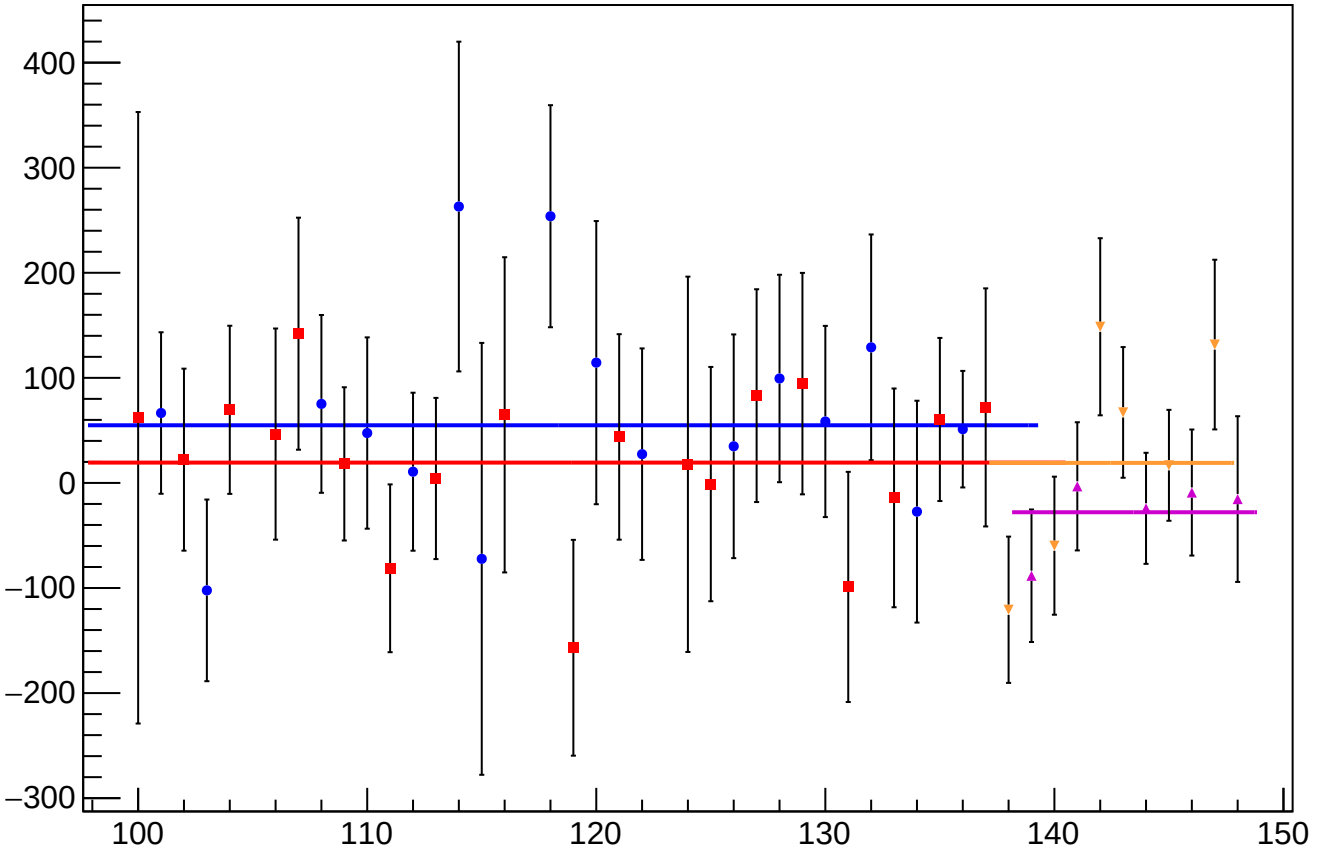
Left In: 336.191+/-0.115 χ^2/NDF:59747.7/4

+ sign 327.051+/-0.071 χ^2/NDF: 1913879.1/21

All: 324.396+/-0.049 χ^2/NDF: 3788143.9/45

- sign 321.839+/-0.069 χ^2/NDF: 1871490.6/23

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

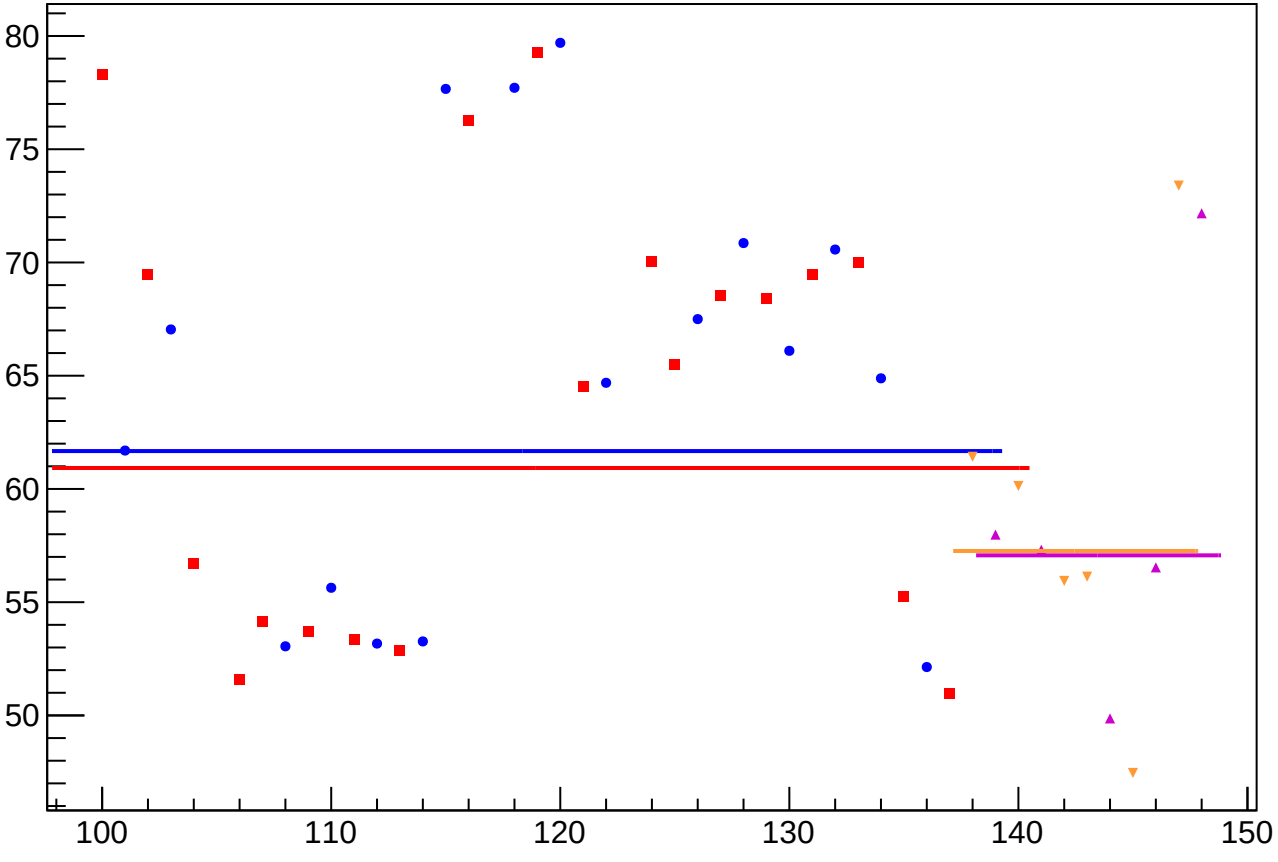
Left In: -27.896+/-27.554 χ^2/NDF:1.2/4

+ sign 39.827+/-17.647 χ^2/NDF: 22.4/21

All: 19.894+/-12.415 χ^2/NDF: 37.1/45

- sign 0.363+/-17.468 χ^2/NDF: 12.1/23

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

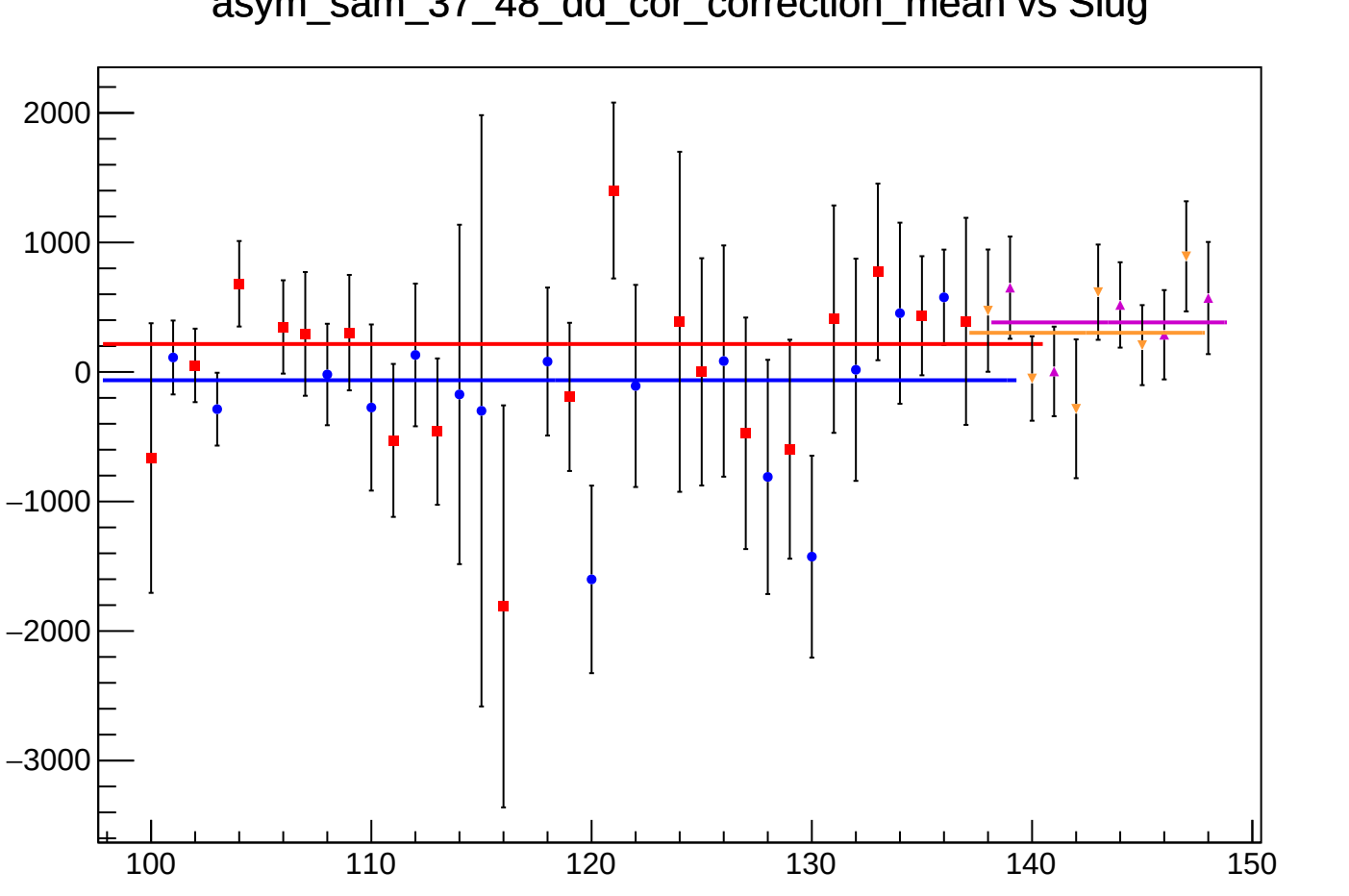
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

+ sign 59.818+/-0.012 χ^2/NDF: 458506.7/21

All: 59.595+/-0.009 χ^2/NDF: 881279.2/45

- sign 59.375+/-0.012 χ^2/NDF: 422136.1/23



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

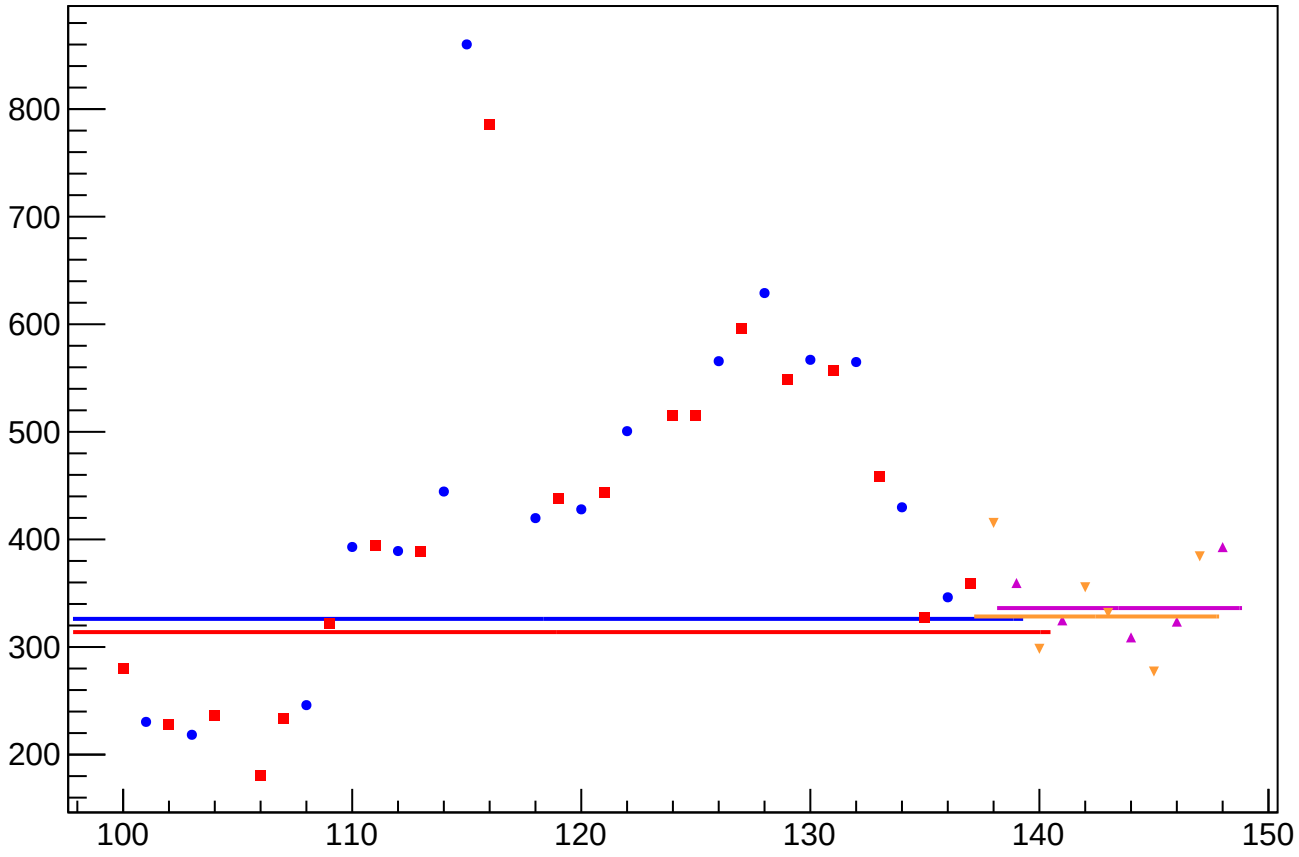
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 382.729+/-162.777 χ^2/NDF:2.1/4

\+ sign 85.156+/-99.877 χ^2/NDF: 21.7/21

All: 182.447+/-70.089 χ^2/NDF: 40.4/45

\- sign 276.850+/-98.383 χ^2/NDF: 16.9/23



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

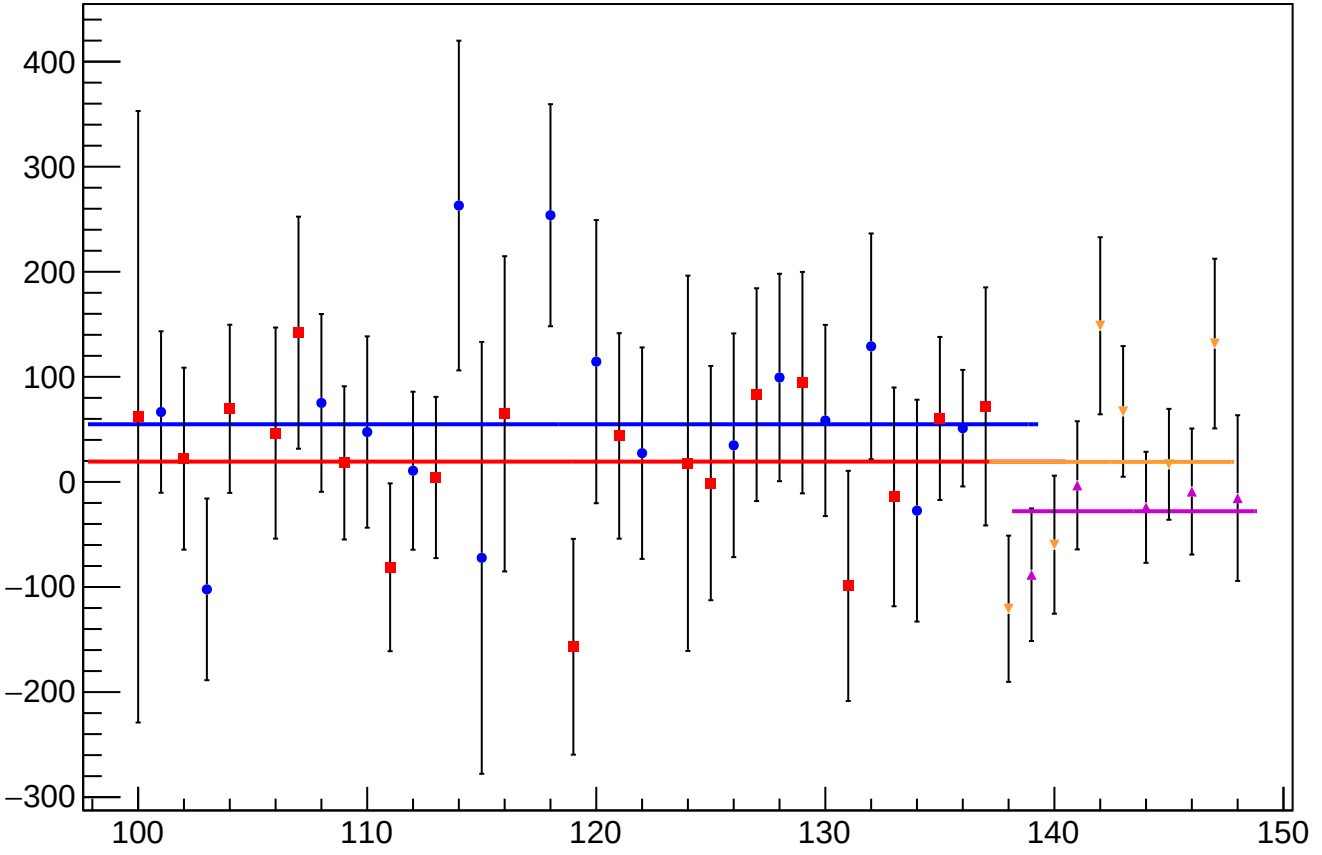
Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

+ sign 327.053+/-0.071 χ^2/NDF: 1913819.3/21

All: 324.498+/-0.050 χ^2/NDF: 3805814.0/45

- sign 322.018+/-0.070 χ^2/NDF: 1889415.5/23

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

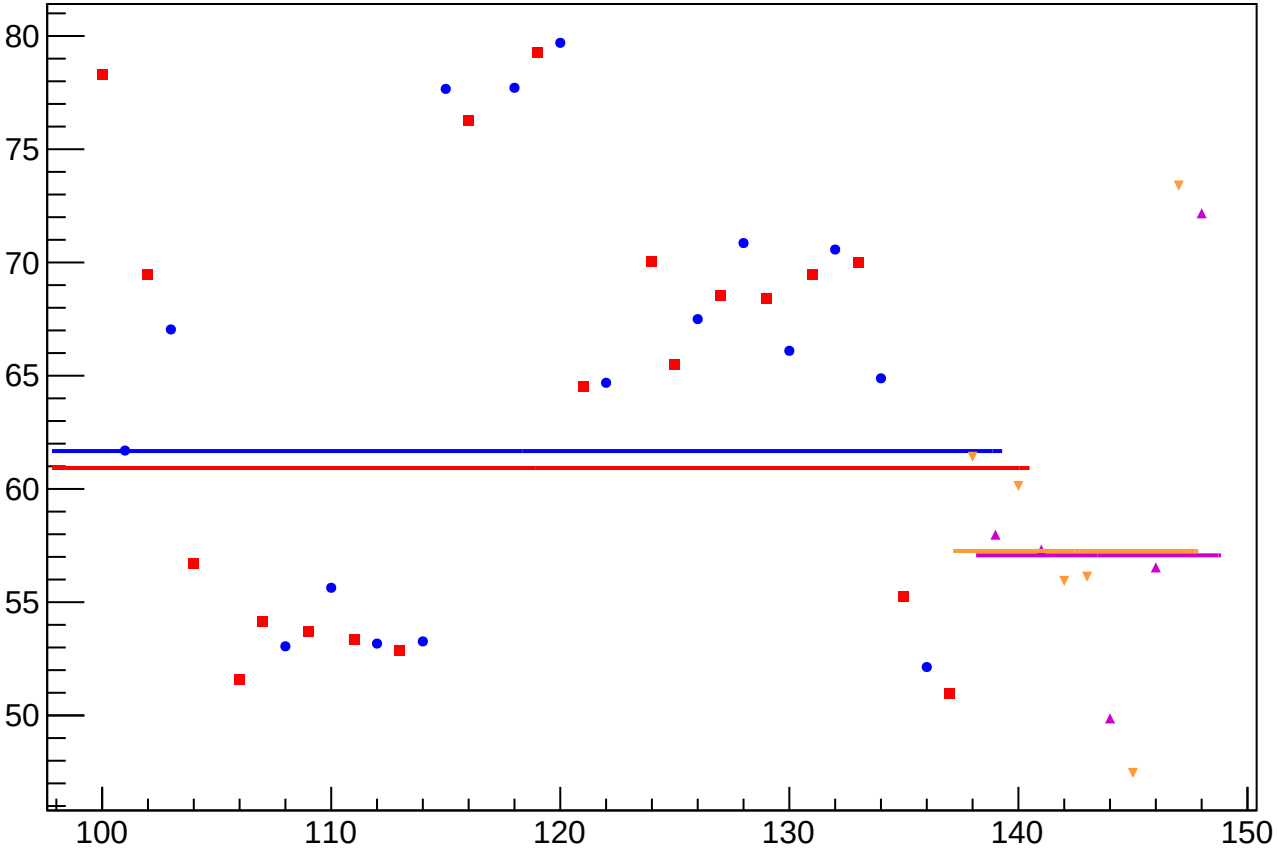
Left In: -27.896+/-27.554 χ^2/NDF:1.2/4

+ sign 39.827+/-17.647 χ^2/NDF: 22.4/21

All: 19.894+/-12.415 χ^2/NDF: 37.1/45

- sign 0.363+/-17.468 χ^2/NDF: 12.1/23

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

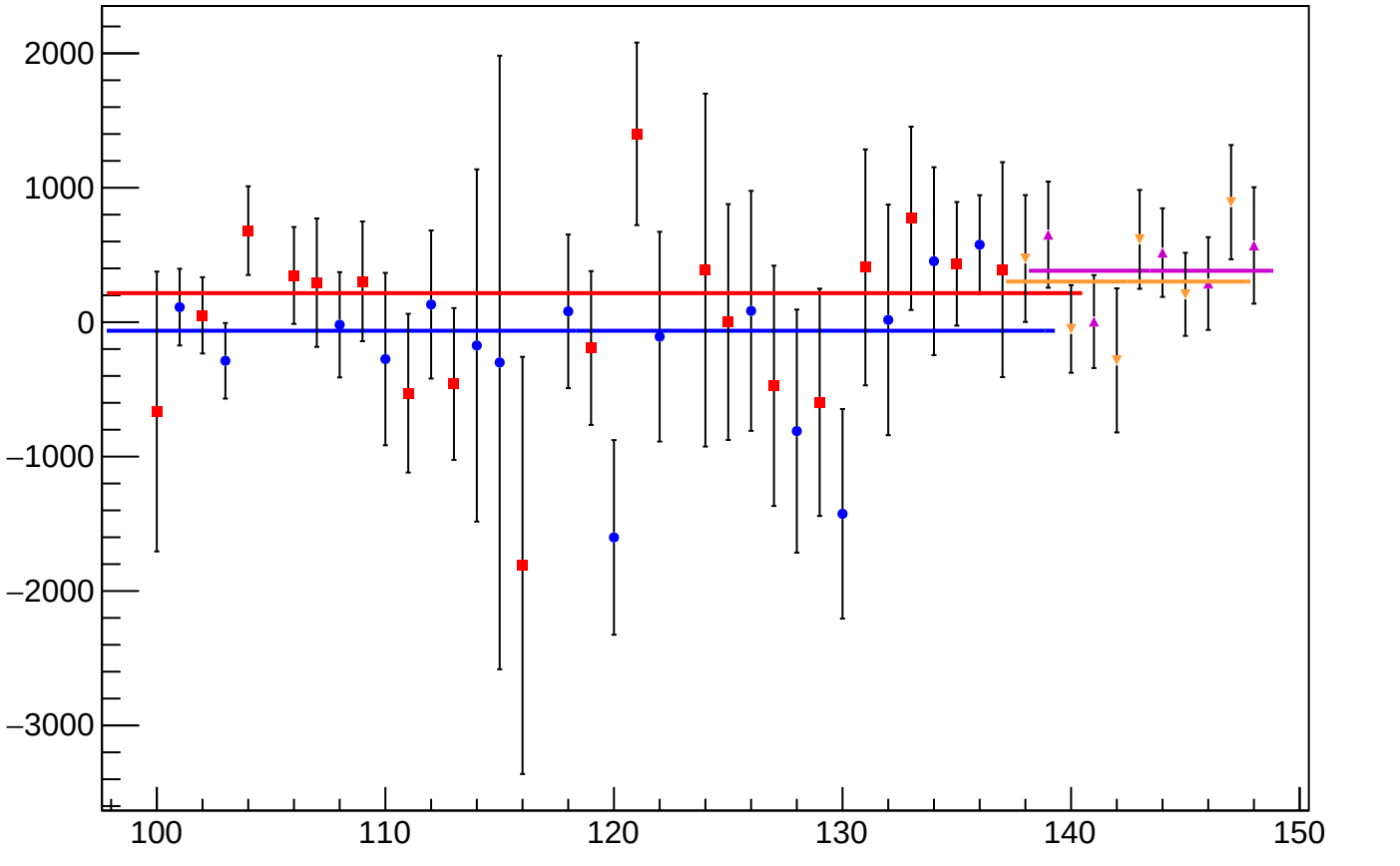
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

+ sign 59.818+/-0.012 χ^2/NDF: 458506.7/21

All: 59.595+/-0.009 χ^2/NDF: 881279.2/45

- sign 59.375+/-0.012 χ^2/NDF: 422136.1/23



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

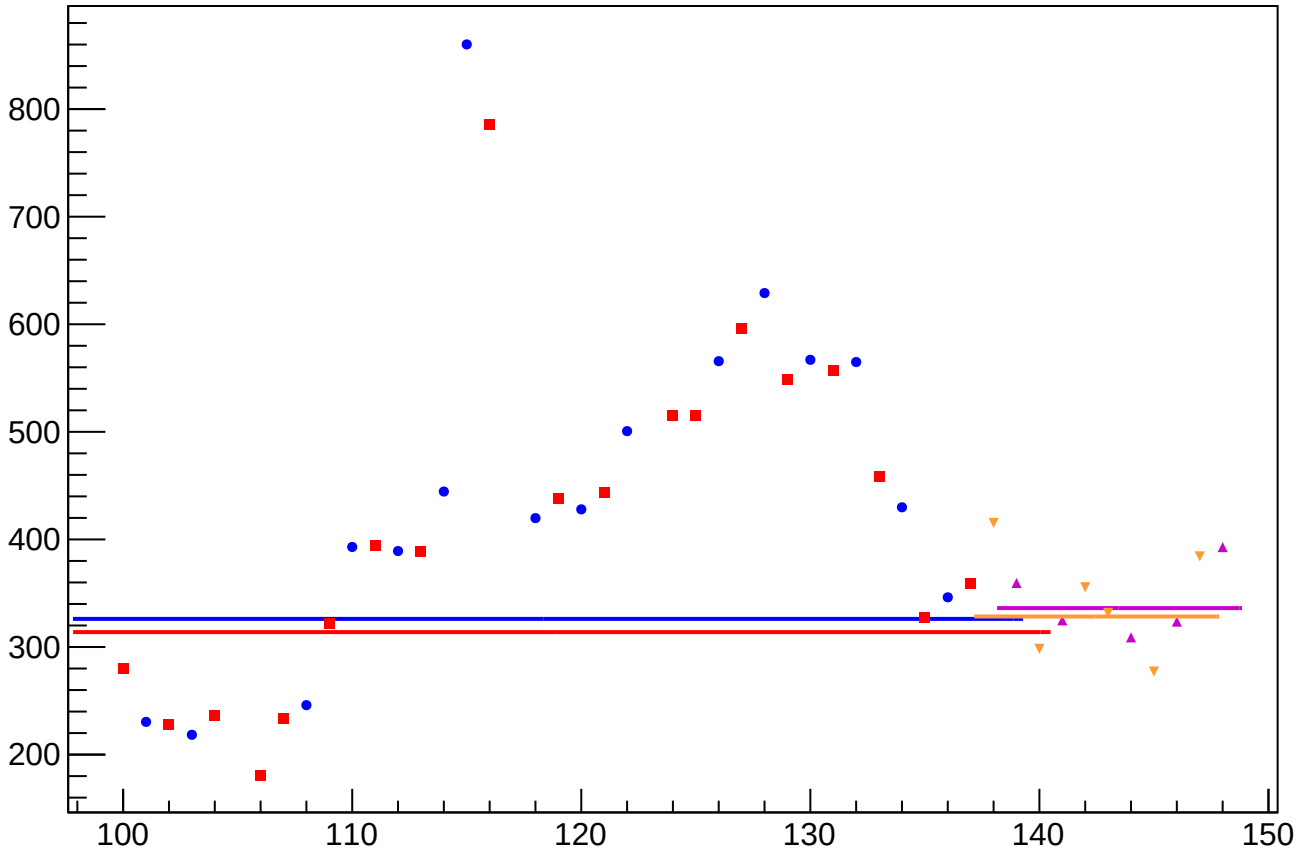
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 382.729+/-162.777 χ^2/NDF:2.1/4

\+ sign 85.156+/-99.877 χ^2/NDF: 21.7/21

All: 182.447+/-70.089 χ^2/NDF: 40.4/45

\- sign 276.850+/-98.383 χ^2/NDF: 16.9/23



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

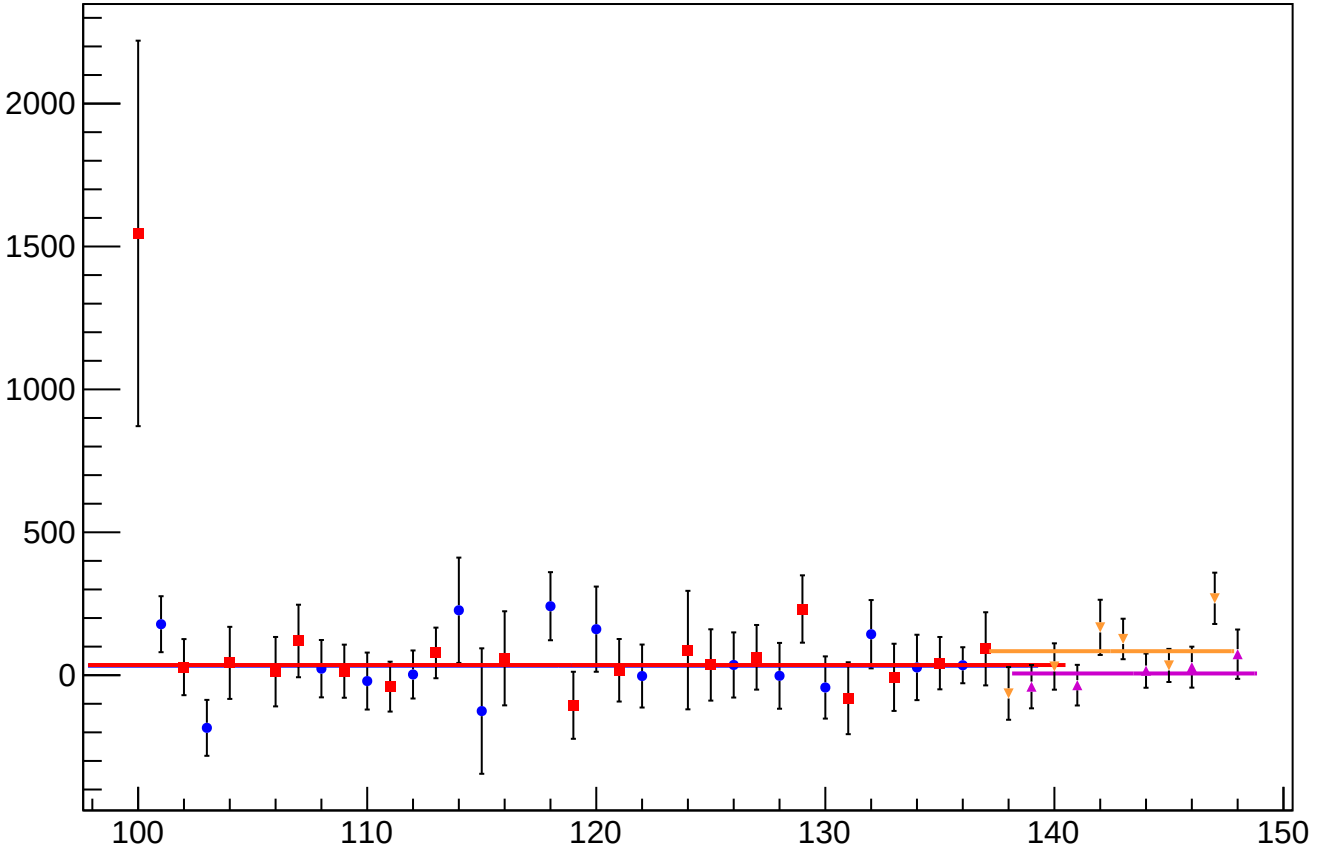
Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

+ sign 327.053+/-0.071 χ^2/NDF: 1913819.3/21

All: 324.498+/-0.050 χ^2/NDF: 3805814.0/45

- sign 322.018+/-0.070 χ^2/NDF: 1889415.5/23

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

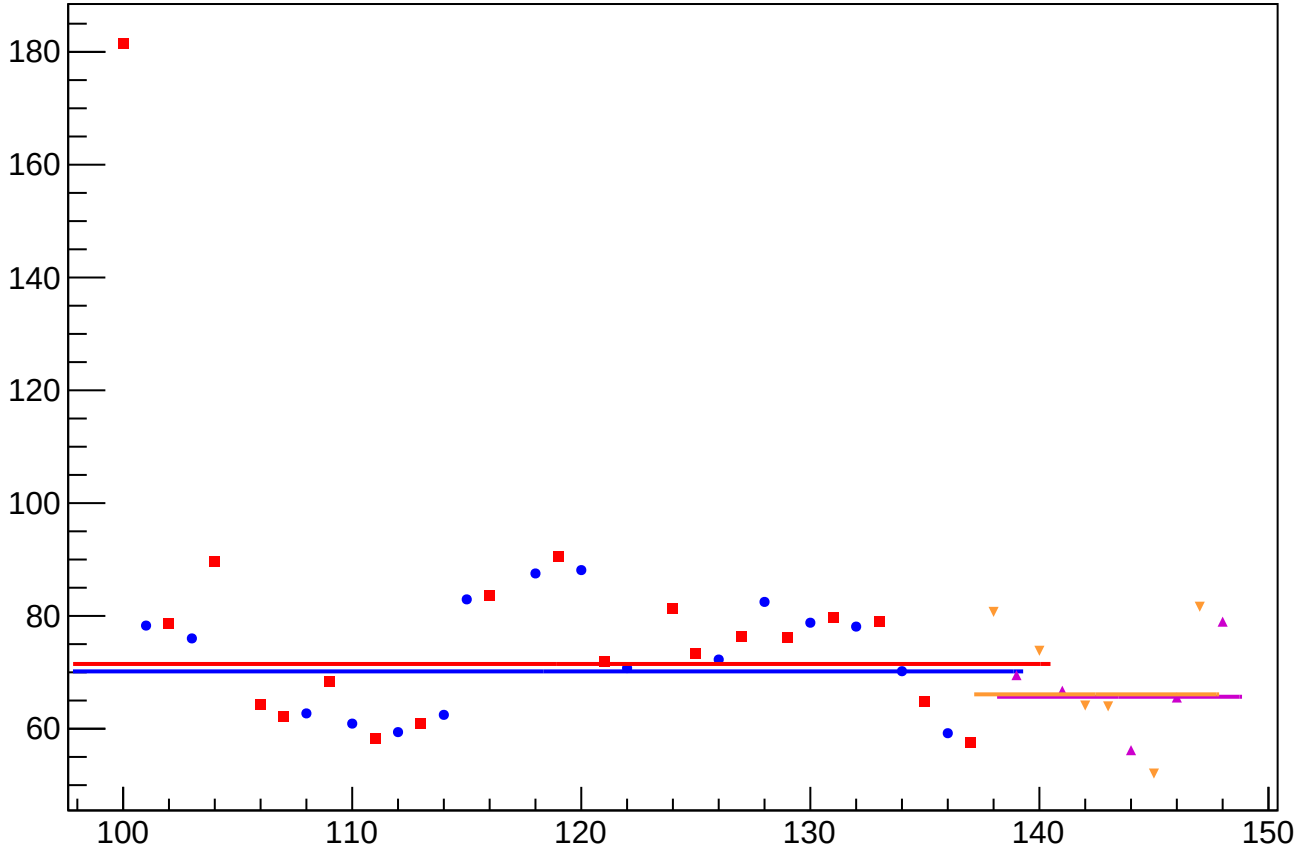
Left In: 6.039+/-31.950 χ^2/NDF:1.4/4

+ sign 54.169+/-20.278 χ^2/NDF: 25.2/21

All: 38.946+/-14.386 χ^2/NDF: 40.3/45

- sign 23.519+/-20.413 χ^2/NDF: 14.0/23

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

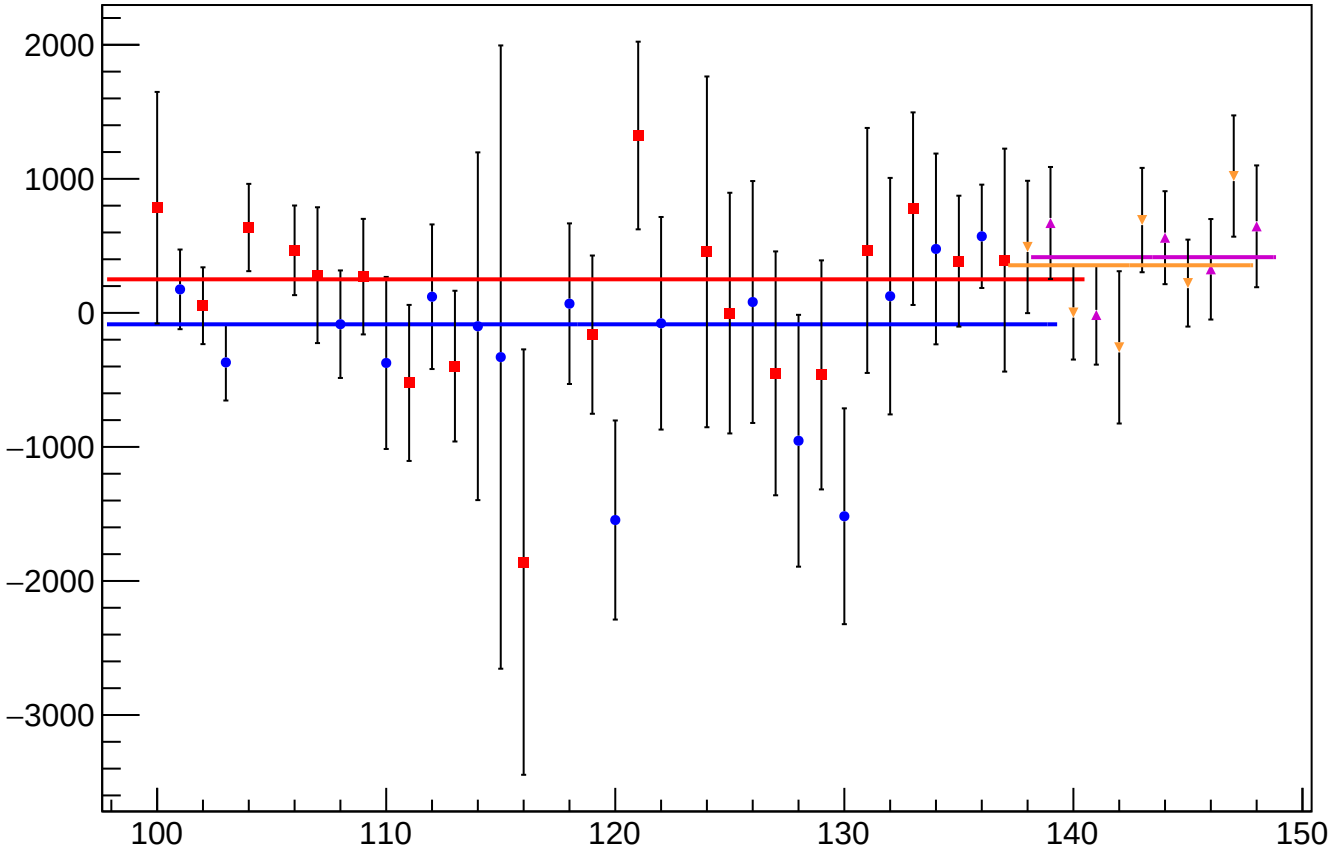
Left In: 65.670+/-0.023 χ^2/NDF:103194.4/4

+ sign 68.495+/-0.014 χ^2/NDF: 537431.3/21

All: 68.801+/-0.010 χ^2/NDF: 1006439.6/45

- sign 69.110+/-0.014 χ^2/NDF: 468096.4/23

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

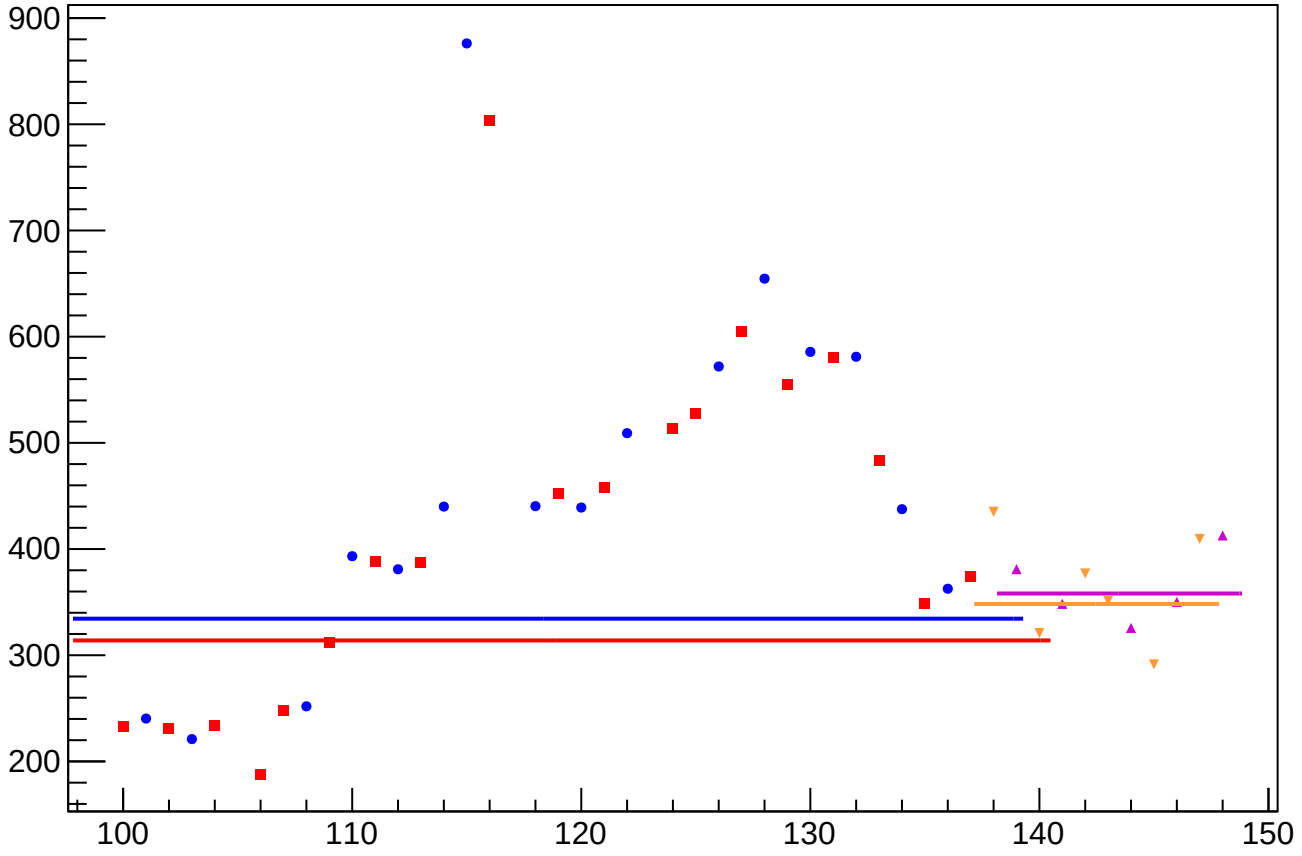
Left In: 415.753+/-173.360 χ^2/NDF:2.2/4

+ sign 86.956+/-103.712 χ^2/NDF: 23.3/21

All: 199.932+/-72.165 χ^2/NDF: 40.9/45

- sign 305.974+/-100.479 χ^2/NDF: 15.3/23

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

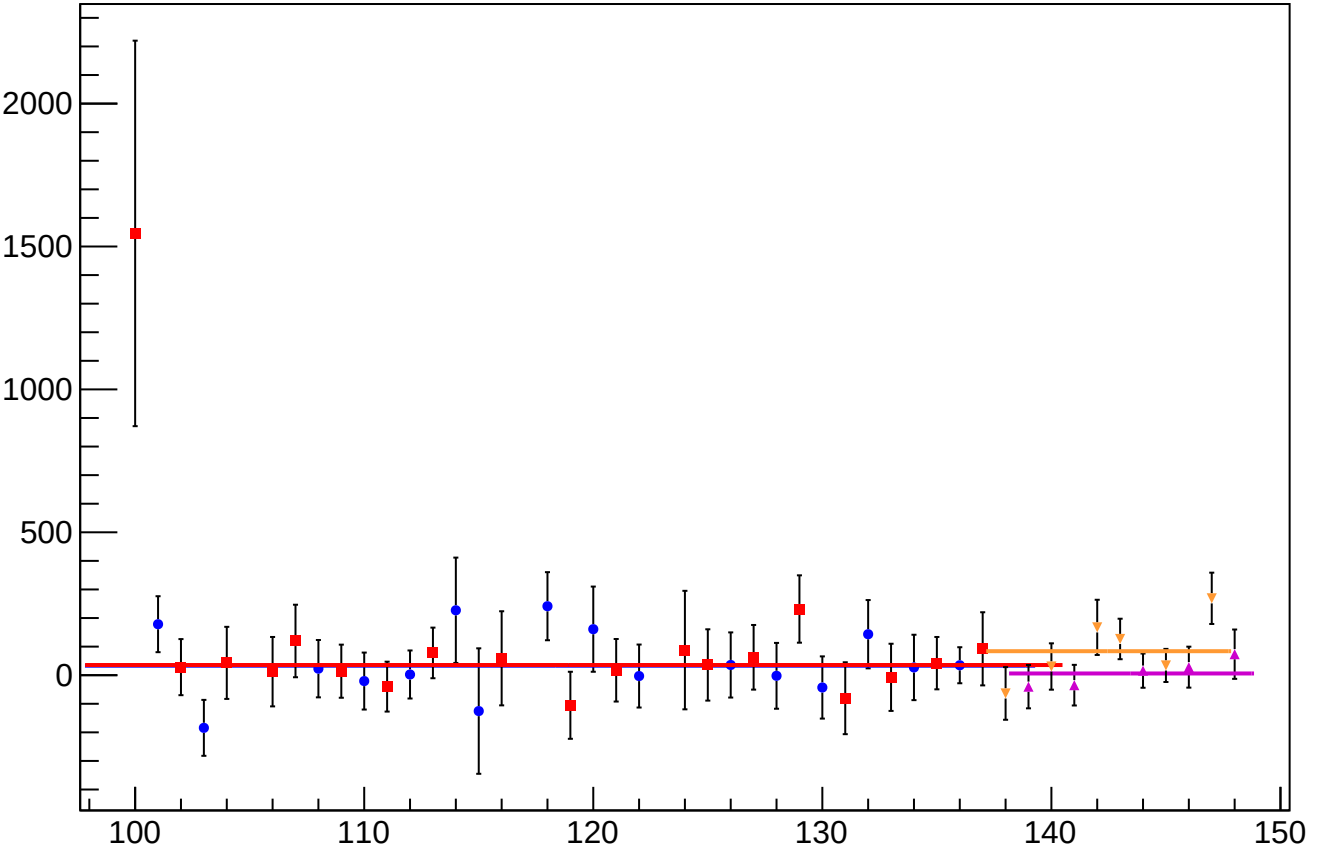
Left In: 358.144+/-0.123 χ^2/NDF:54656.2/4

+ sign 339.845+/-0.073 χ^2/NDF: 1916645.5/21

All: 334.153+/-0.051 χ^2/NDF: 3973815.7/45

- sign 328.810+/-0.071 χ^2/NDF: 2045490.6/23

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

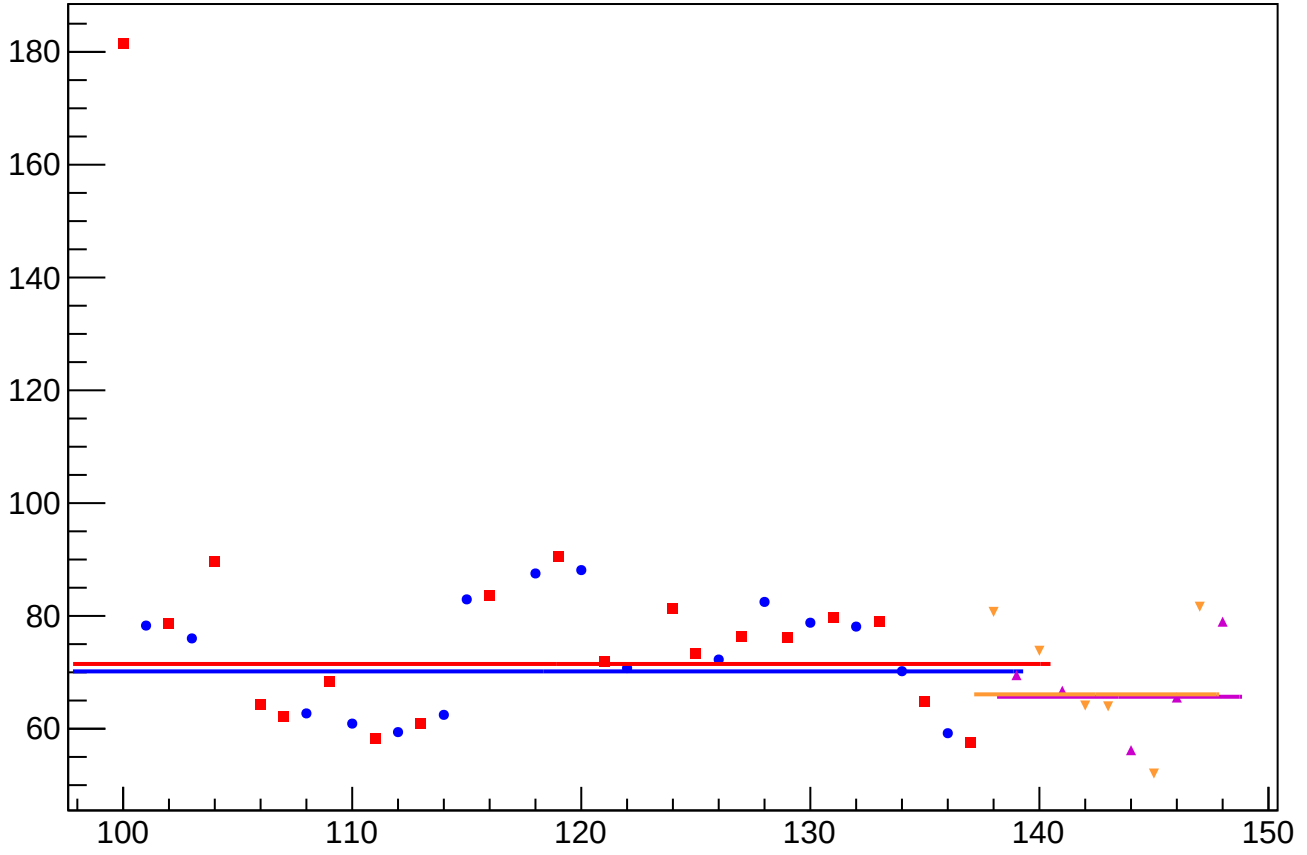
Left In: 6.039+/-31.950 χ^2/NDF:1.4/4

+ sign 54.168+/-20.278 χ^2/NDF: 25.2/21

All: 38.945+/-14.386 χ^2/NDF: 40.3/45

- sign 23.519+/-20.413 χ^2/NDF: 14.0/23

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

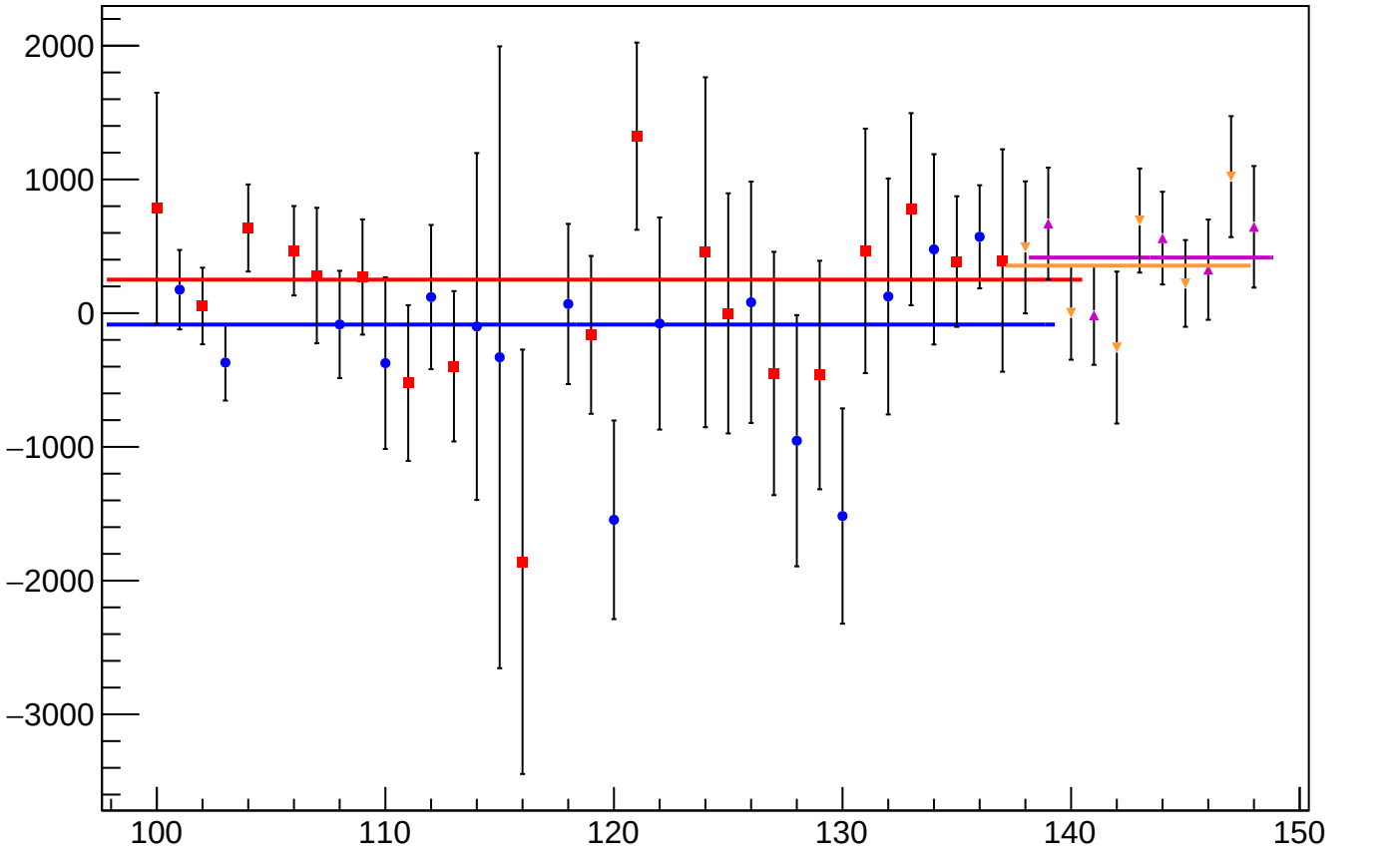
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.669+/-0.023 χ^2/NDF:103194.5/4

+ sign 68.495+/-0.014 χ^2/NDF: 537439.8/21

All: 68.801+/-0.010 χ^2/NDF: 1006456.7/45

- sign 69.110+/-0.014 χ^2/NDF: 468104.8/23



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.900 χ^2/NDF:5.3/5

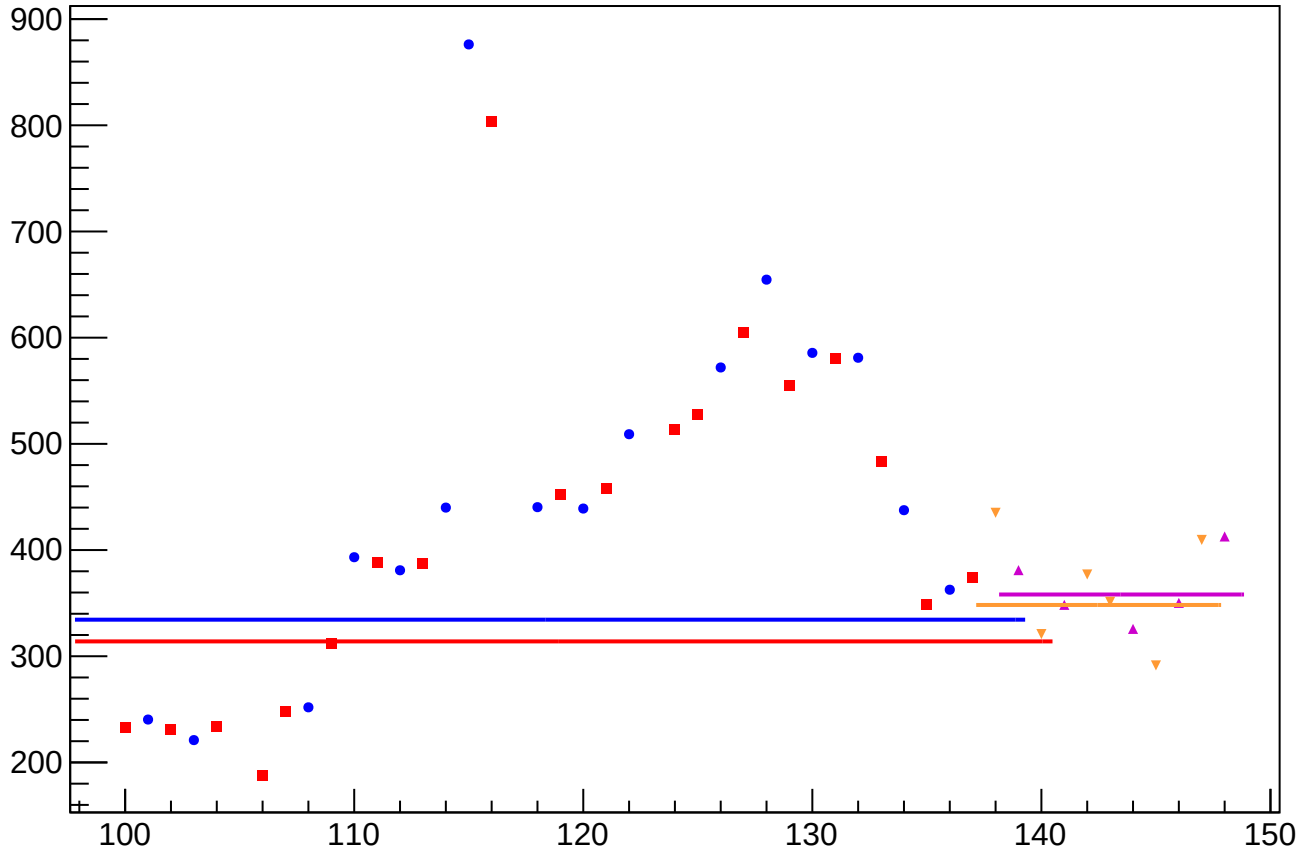
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 415.753+/-173.360 χ^2/NDF:2.2/4

+ sign 86.956+/-103.712 χ^2/NDF: 23.3/21

All: 199.932+/-72.165 χ^2/NDF: 40.9/45

- sign 305.974+/-100.479 χ^2/NDF: 15.3/23



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

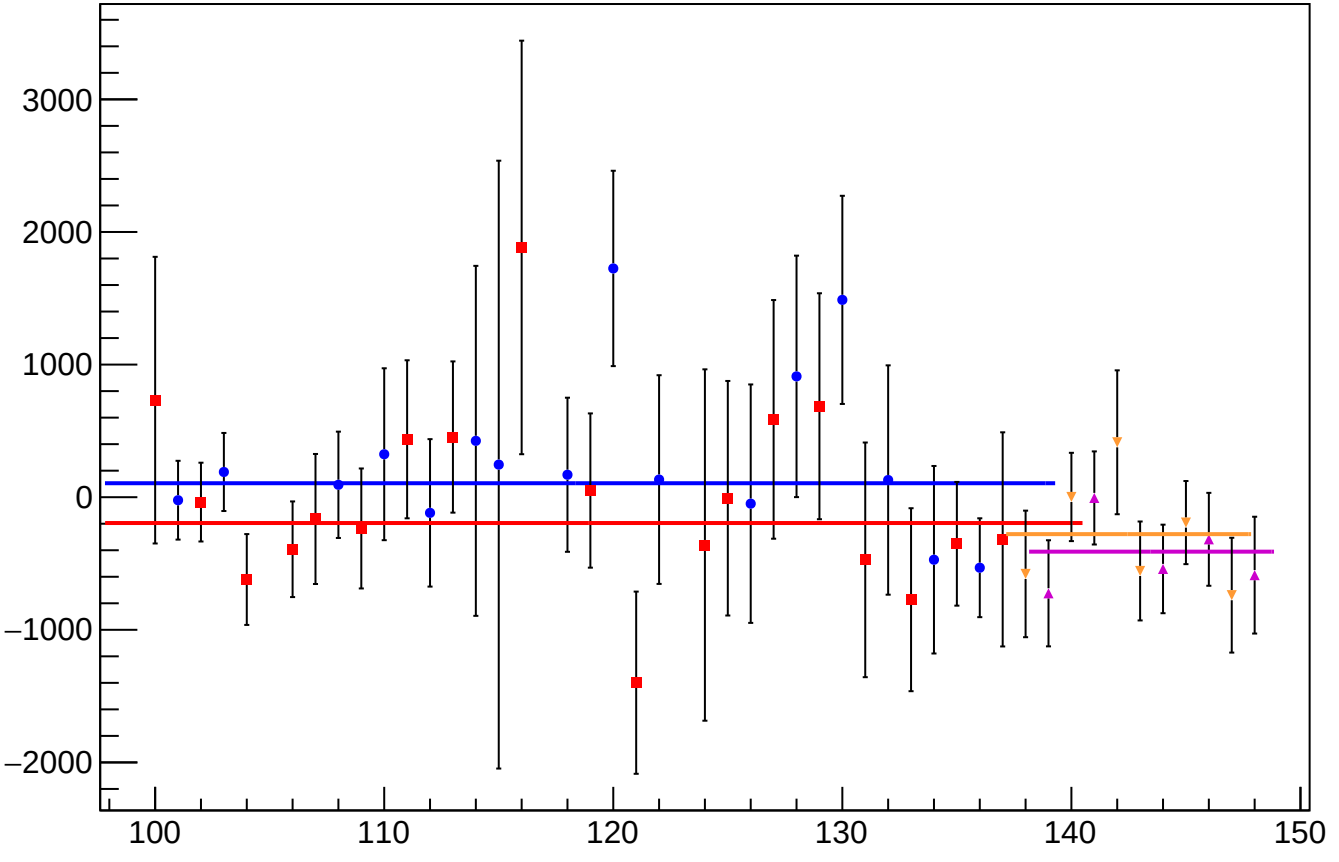
Left In: 358.144+/-0.123 χ^2/NDF:54656.6/4

+ sign 339.845+/-0.073 χ^2/NDF: 1916646.2/21

All: 334.153+/-0.051 χ^2/NDF: 3973814.9/45

- sign 328.810+/-0.071 χ^2/NDF: 2045489.2/23

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

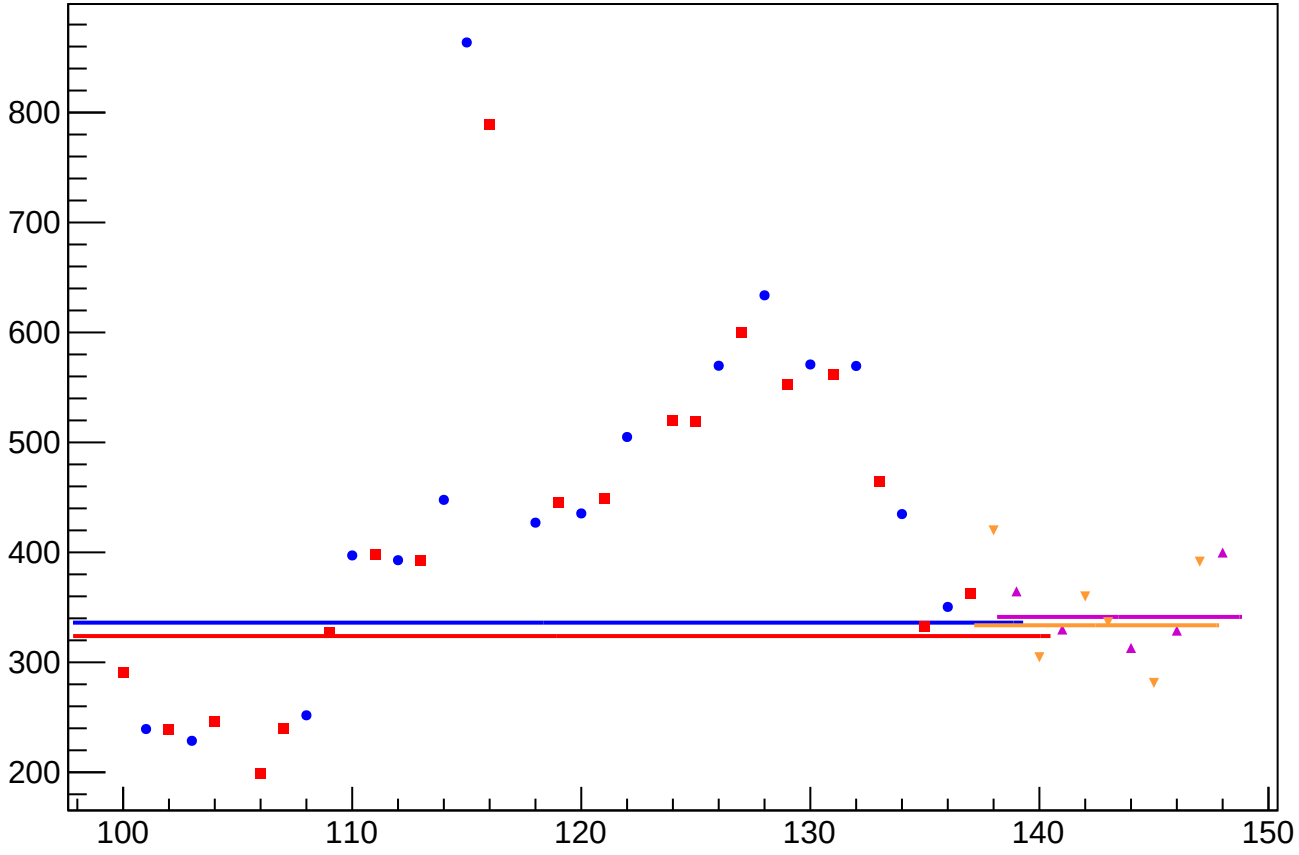
Left In: -410.636+/-165.213 χ^2/NDF:2.3/4

+ sign -52.601+/-102.060 χ^2/NDF: 20.9/21

All: -165.379+/-71.533 χ^2/NDF: 39.8/45

- sign -274.275+/-100.288 χ^2/NDF: 16.5/23

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

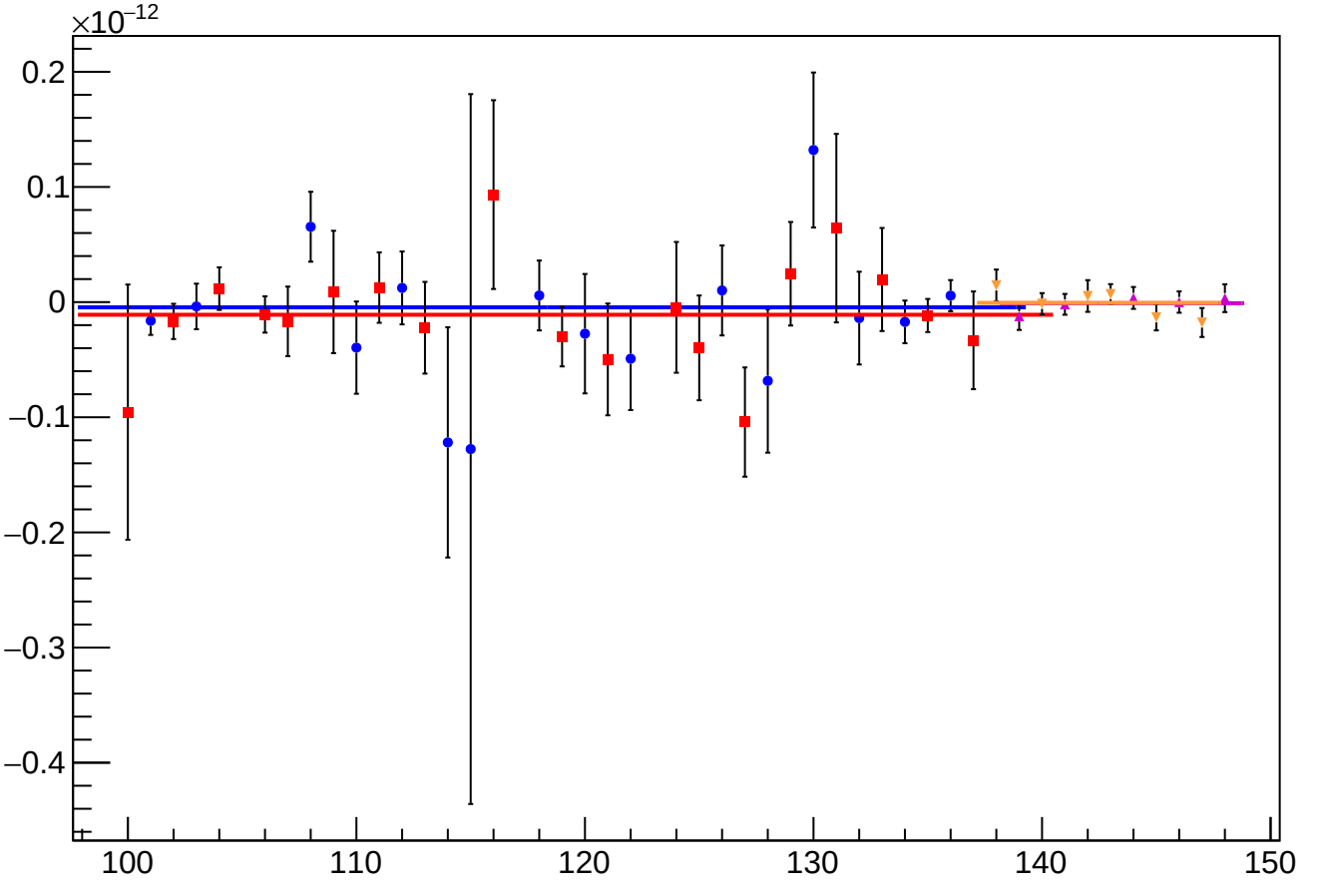
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 341.301+/-0.117 χ^2/NDF:61021.5/4

+ sign 335.105+/-0.072 χ^2/NDF: 1796367.0/21

All: 332.662+/-0.051 χ^2/NDF: 3539097.8/45

- sign 330.303+/-0.071 χ^2/NDF: 1740477.7/23



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

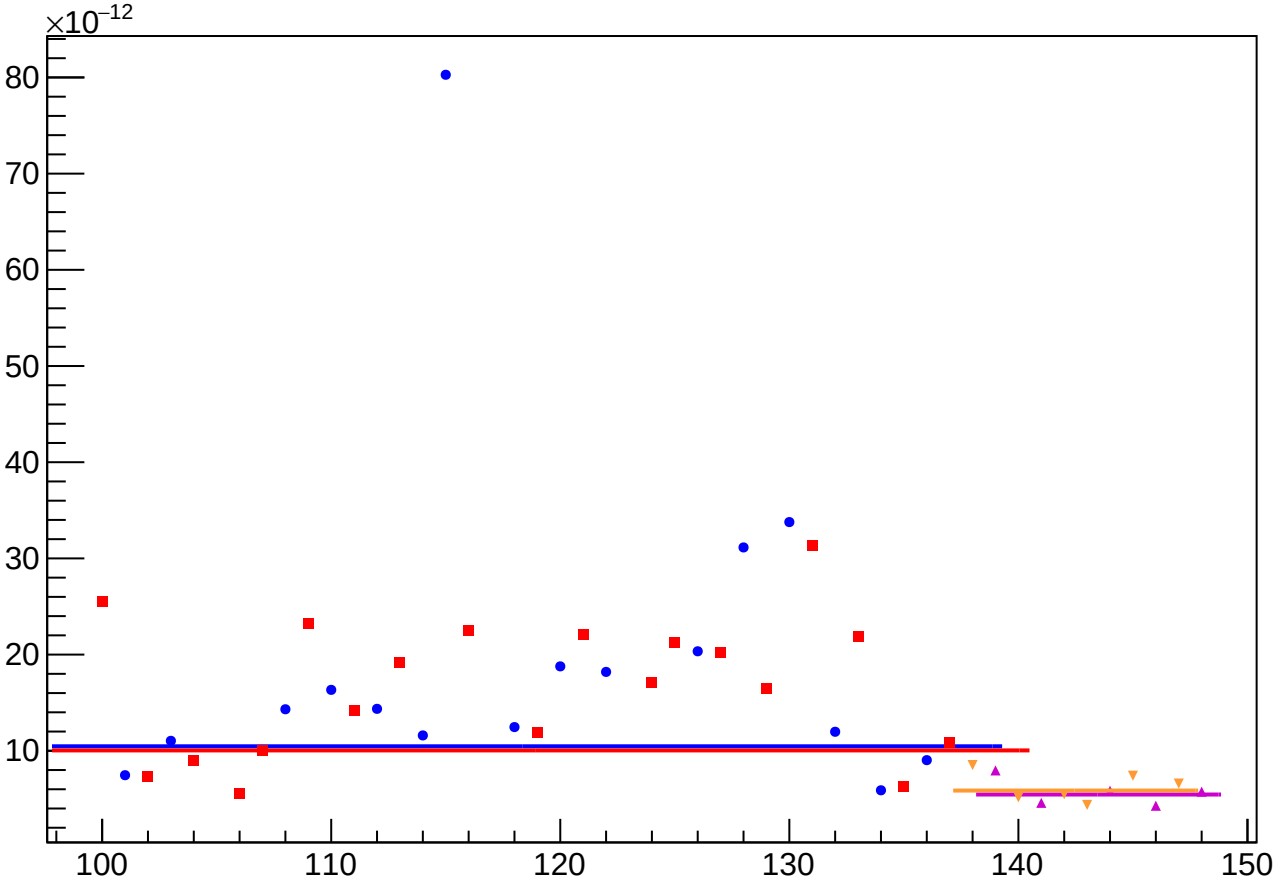
Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/21

All: -0.000+/-0.000 χ^2/NDF: 37.5/45

- sign -0.000+/-0.000 χ^2/NDF: 15.3/23

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

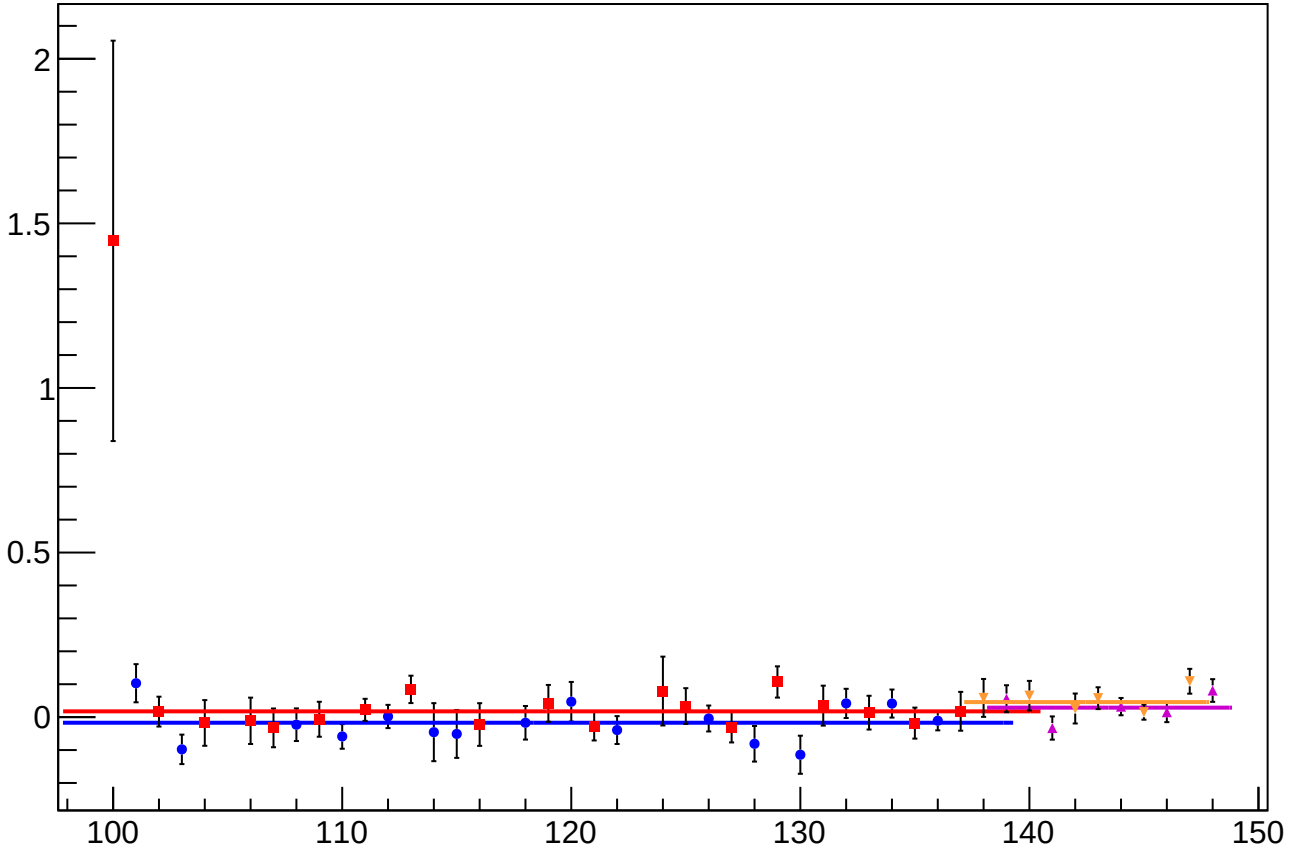
Left In: 0.000+/-0.000 χ^2/NDF:143236.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 2062312.9/21

All: 0.000+/-0.000 χ^2/NDF: 4314717.9/45

- sign 0.000+/-0.000 χ^2/NDF: 2241444.4/23

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

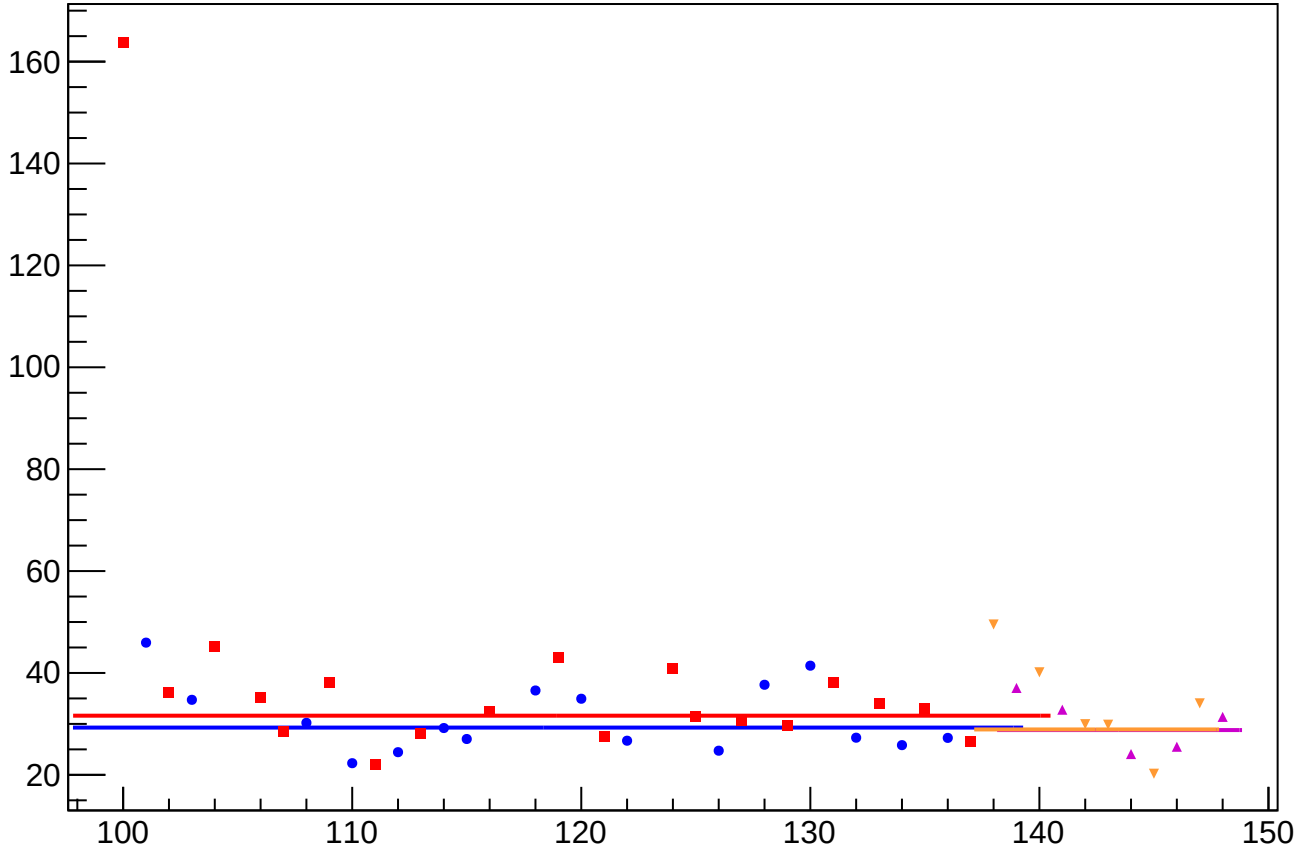
Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.014+/-0.006 χ^2/NDF: 60.3/45

- sign 0.022+/-0.009 χ^2/NDF: 23.2/23

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

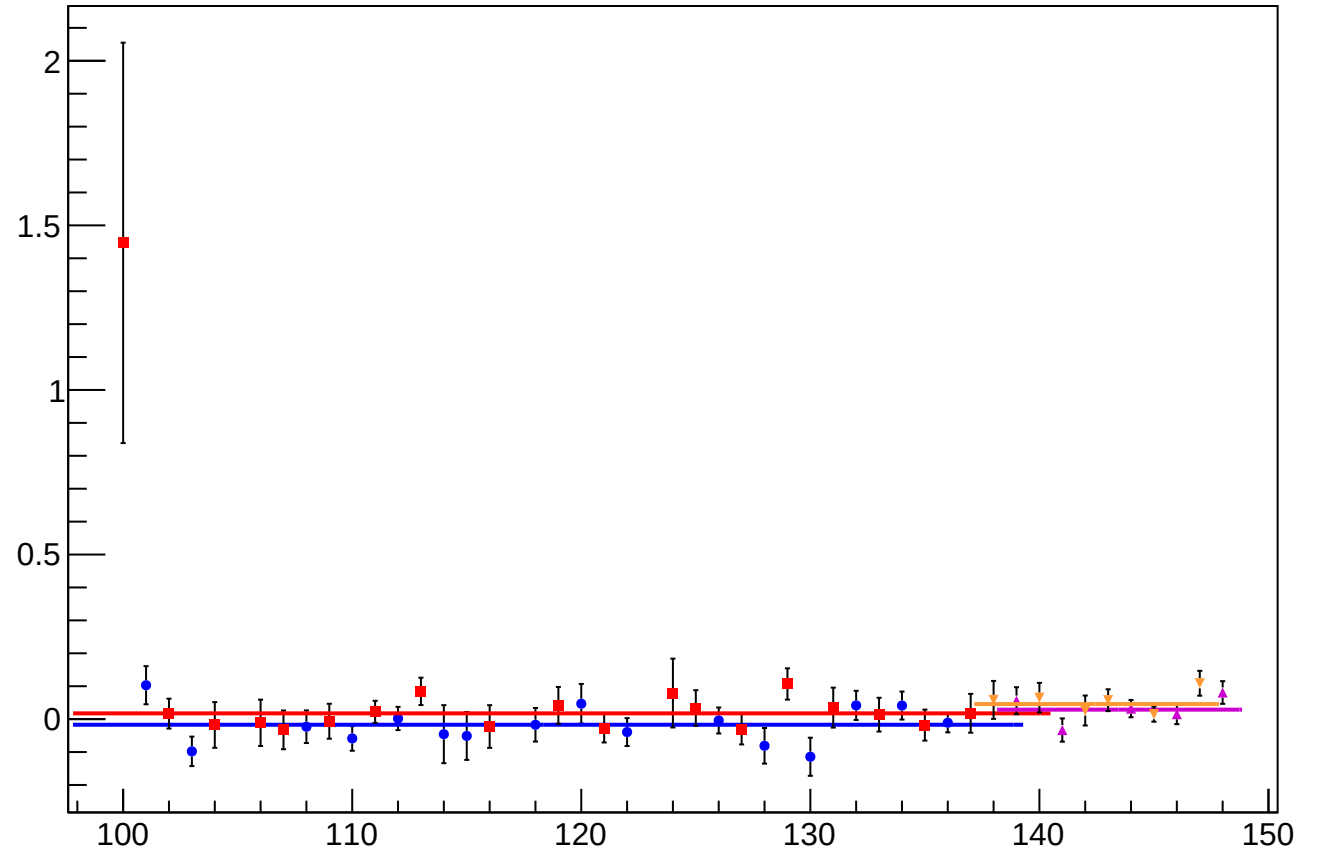
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

+ sign 29.139+/-0.006 χ^2/NDF: 1271124.3/21

All: 29.769+/-0.005 χ^2/NDF: 2115140.3/45

- sign 30.451+/-0.007 χ^2/NDF: 823206.9/23



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

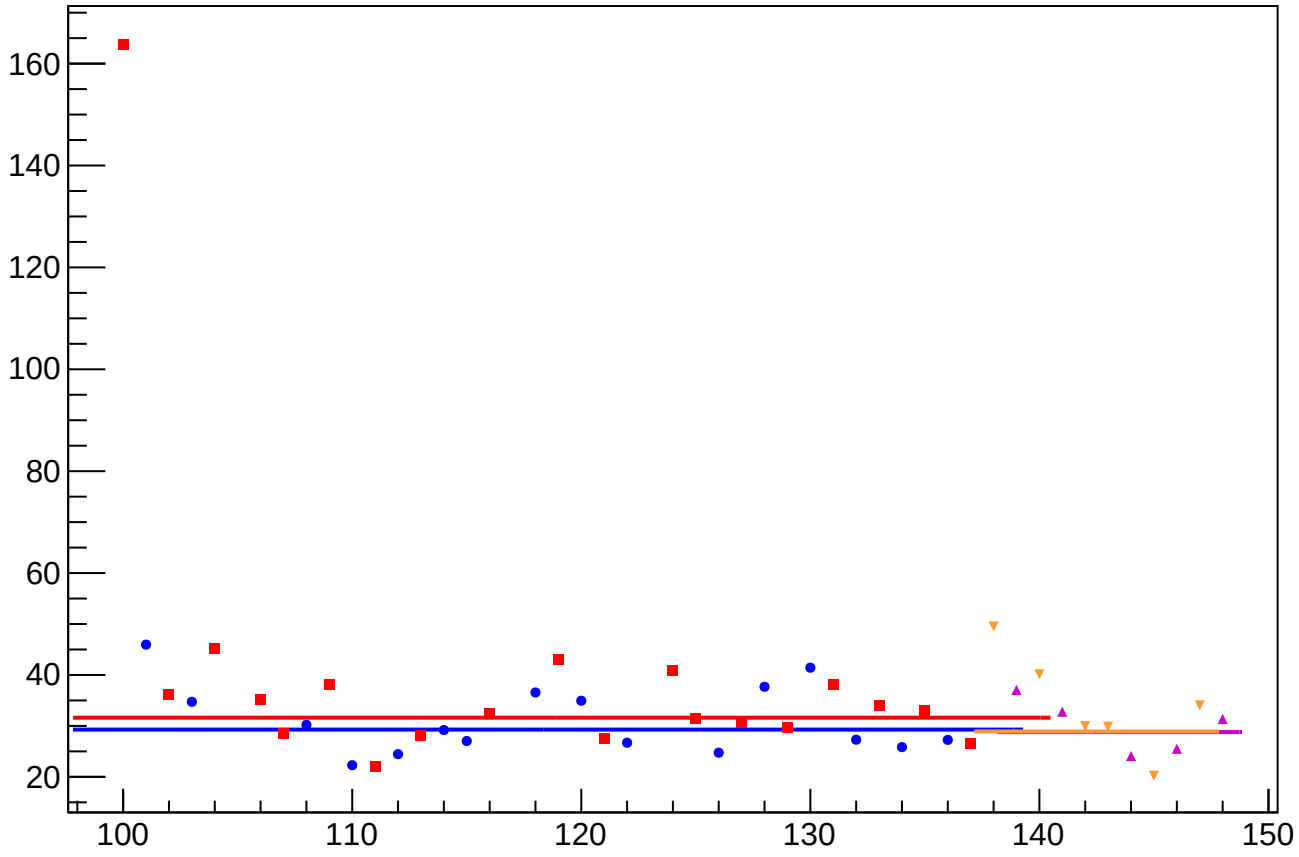
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.014+/-0.006 χ^2/NDF: 60.3/45

- sign 0.022+/-0.009 χ^2/NDF: 23.2/23



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.913+/-0.010 χ^2/NDF:709674.8/5

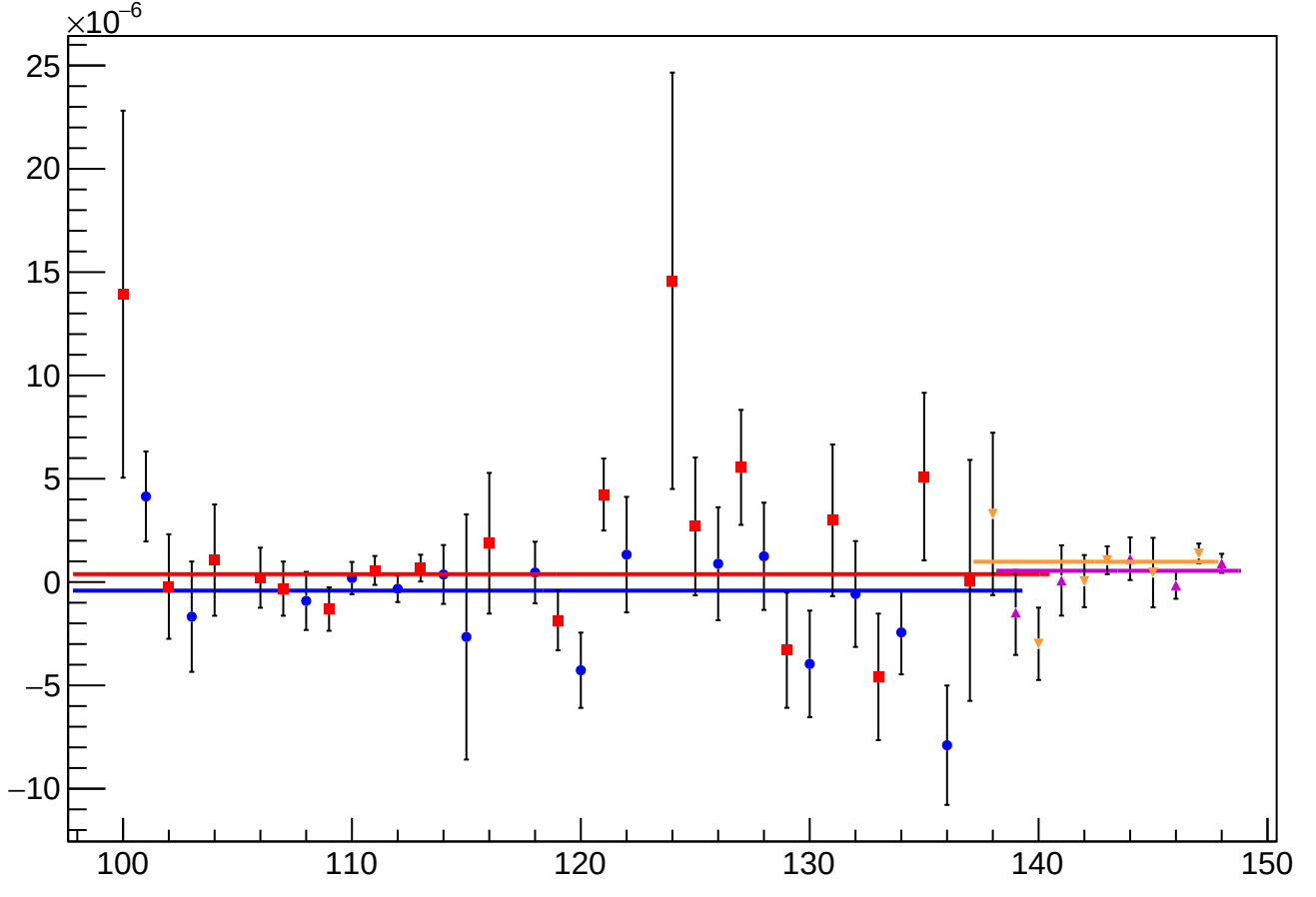
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

+ sign 29.139+/-0.006 χ^2/NDF: 1271124.3/21

All: 29.769+/-0.005 χ^2/NDF: 2115140.3/45

- sign 30.451+/-0.007 χ^2/NDF: 823206.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/5

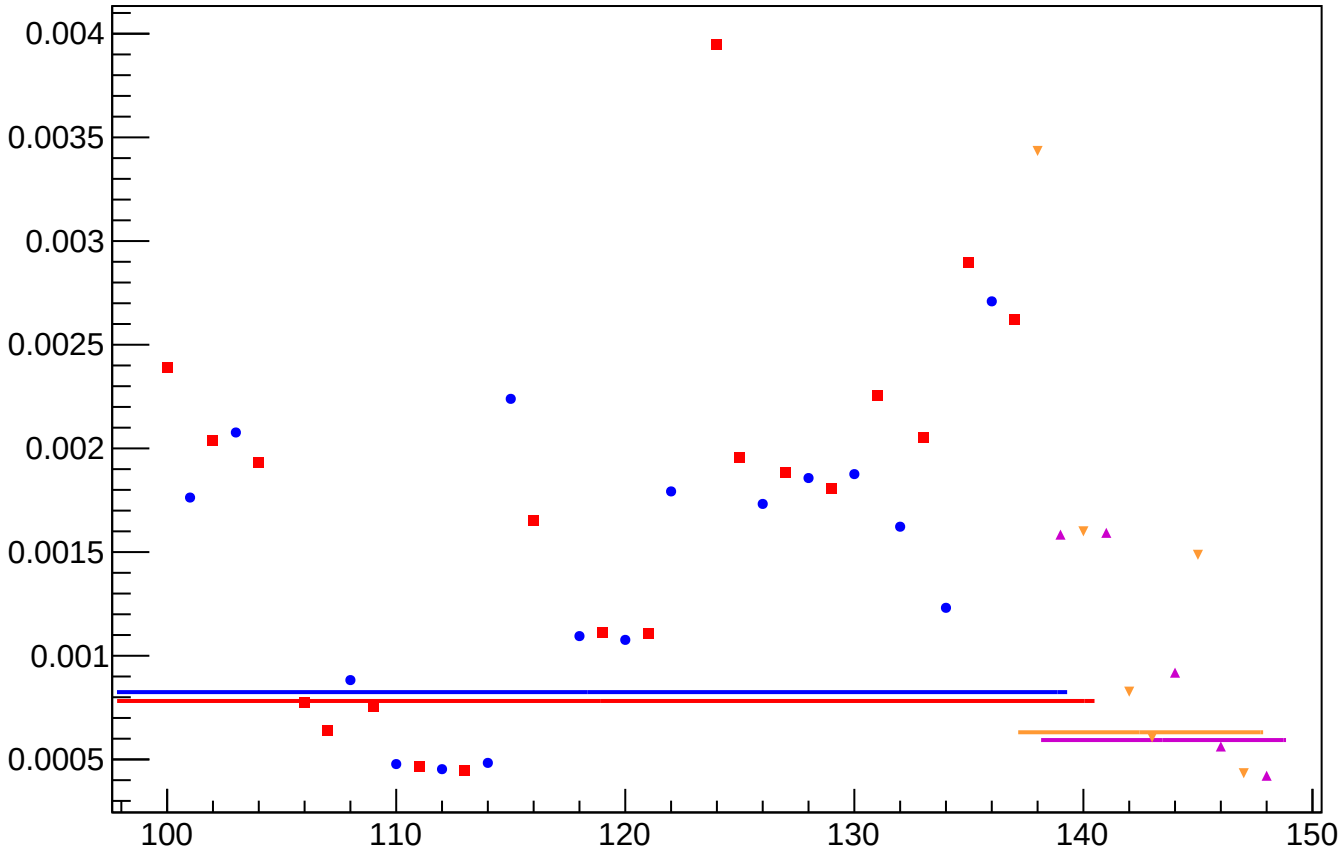
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/21

All: 0.000+/-0.000 χ^2/NDF: 64.2/45

- sign 0.000+/-0.000 χ^2/NDF: 28.5/23



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2543397.4/5

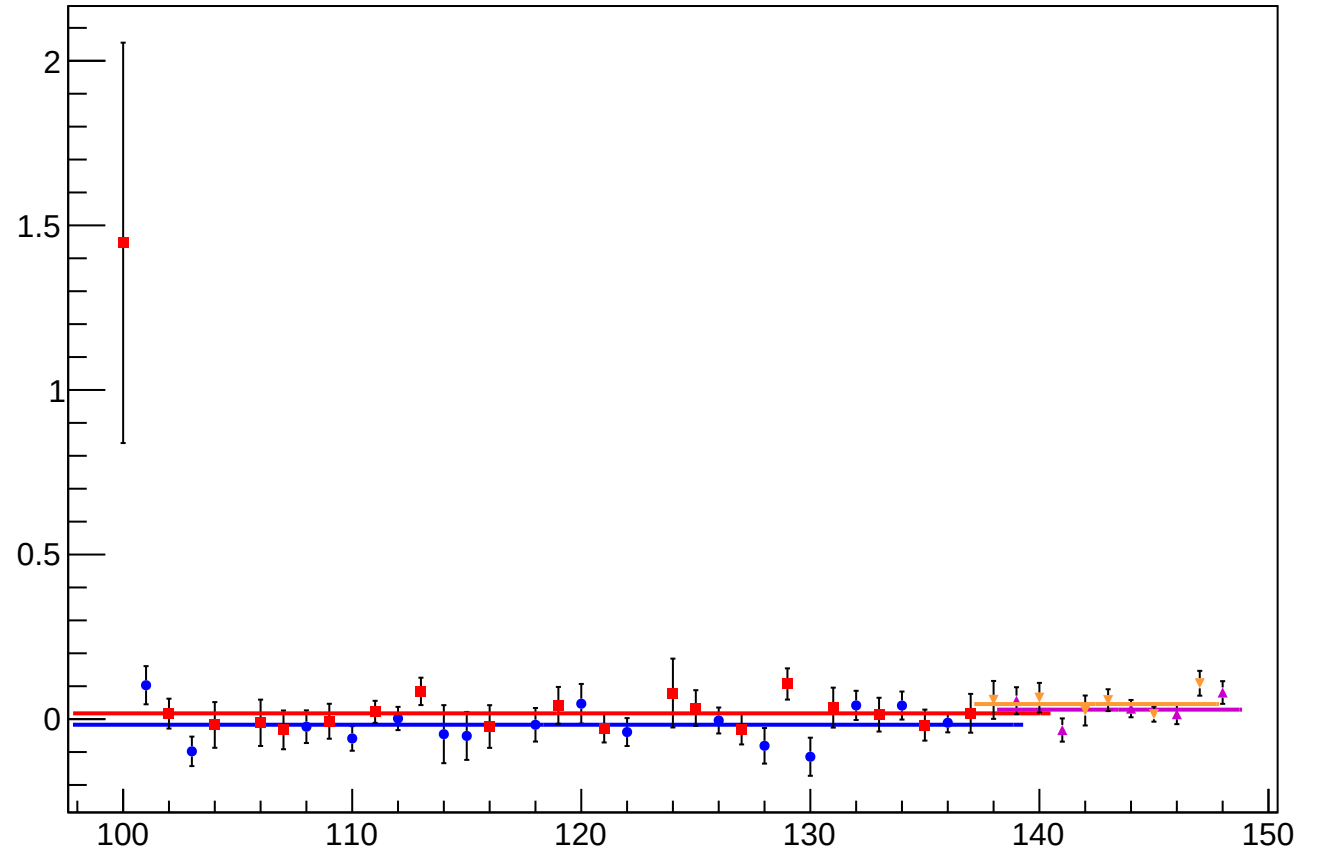
Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1639563.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 7277886.9/21

All: 0.001+/-0.000 χ^2/NDF: 13877024.2/45

- sign 0.001+/-0.000 χ^2/NDF: 6576443.4/23



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

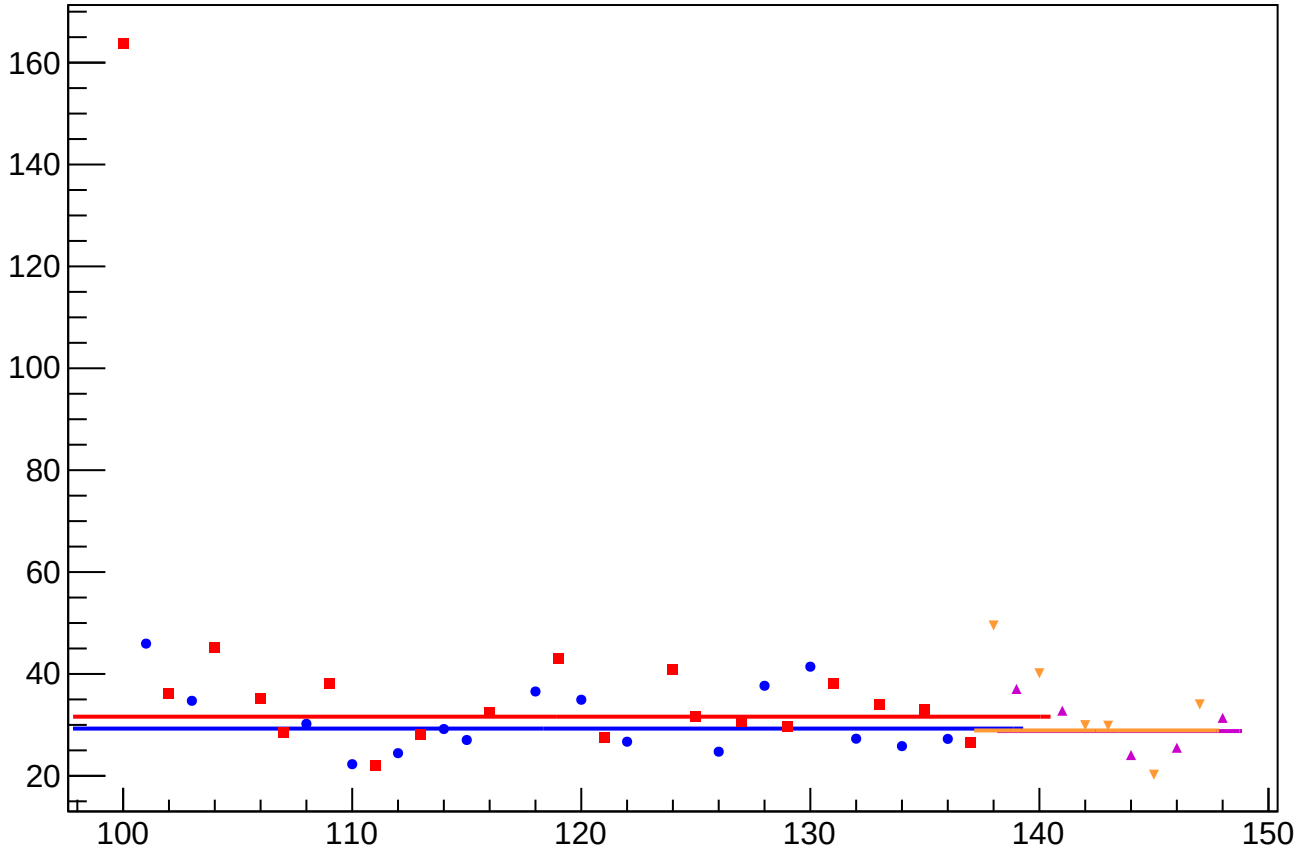
Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.014+/-0.006 χ^2/NDF: 60.3/45

- sign 0.022+/-0.009 χ^2/NDF: 23.2/23

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

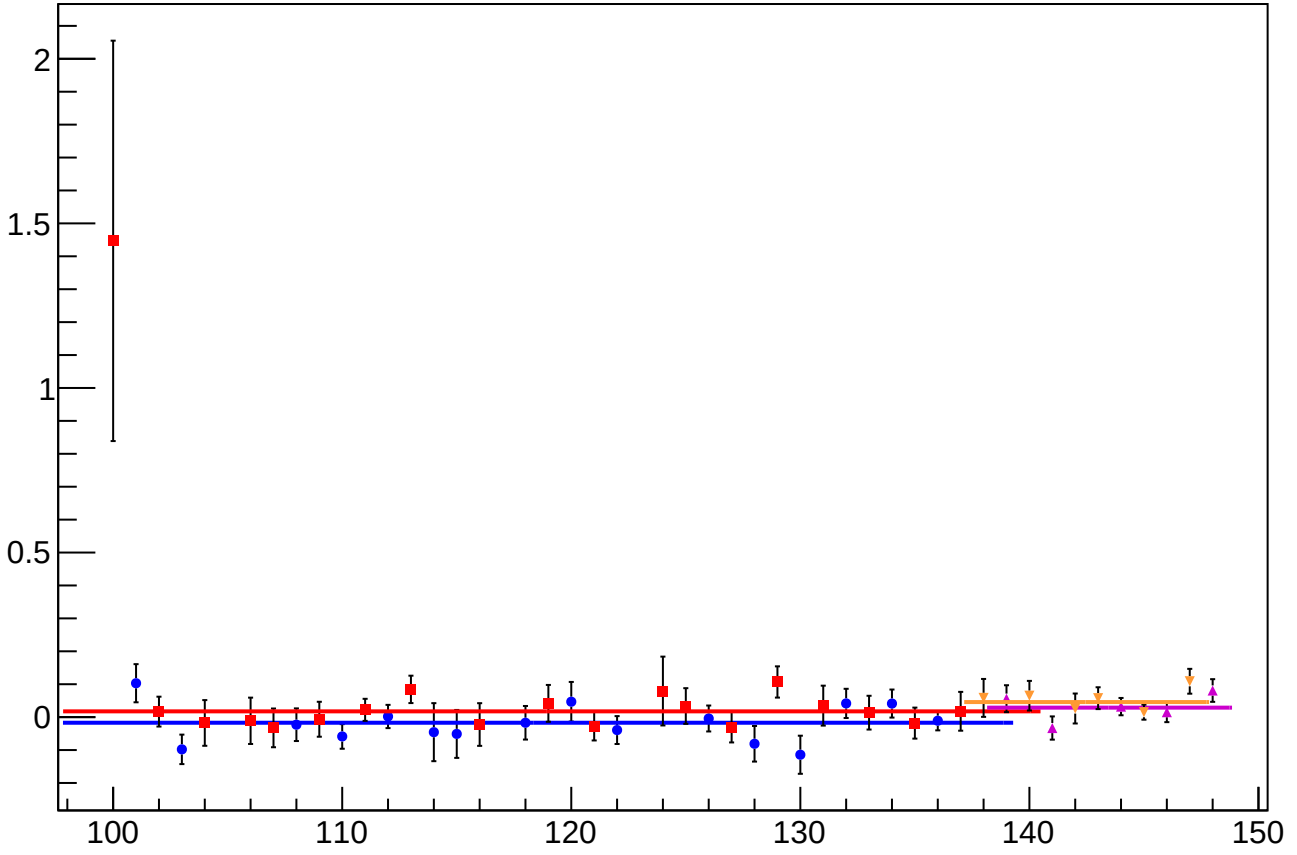
Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

+ sign 29.138+/-0.006 χ^2/NDF: 1271183.6/21

All: 29.769+/-0.005 χ^2/NDF: 2115195.6/45

- sign 30.451+/-0.007 χ^2/NDF: 823195.0/23

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

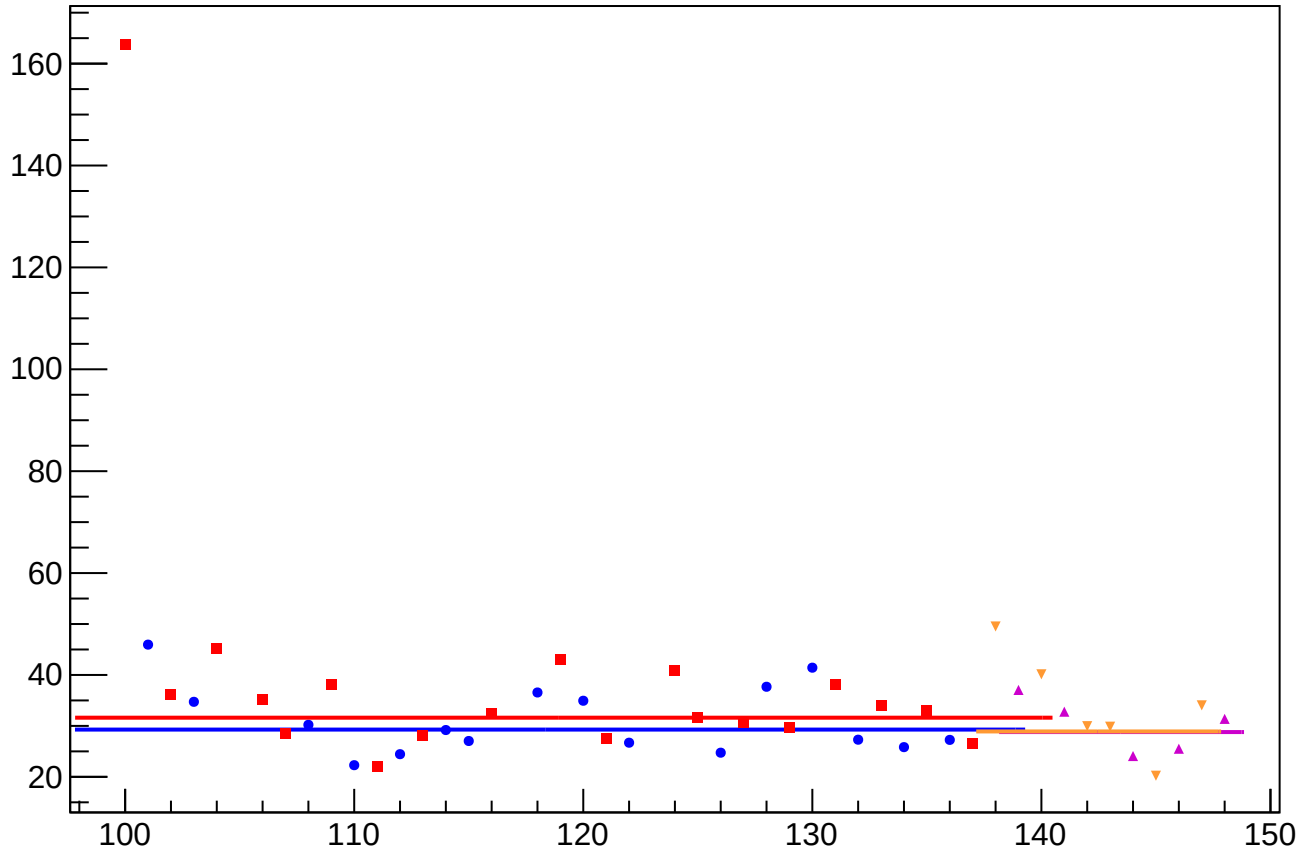
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.007+/-0.009 χ^2/NDF: 35.7/21

All: 0.014+/-0.006 χ^2/NDF: 60.3/45

- sign 0.022+/-0.009 χ^2/NDF: 23.2/23



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.912+/-0.010 χ^2/NDF:709731.9/5

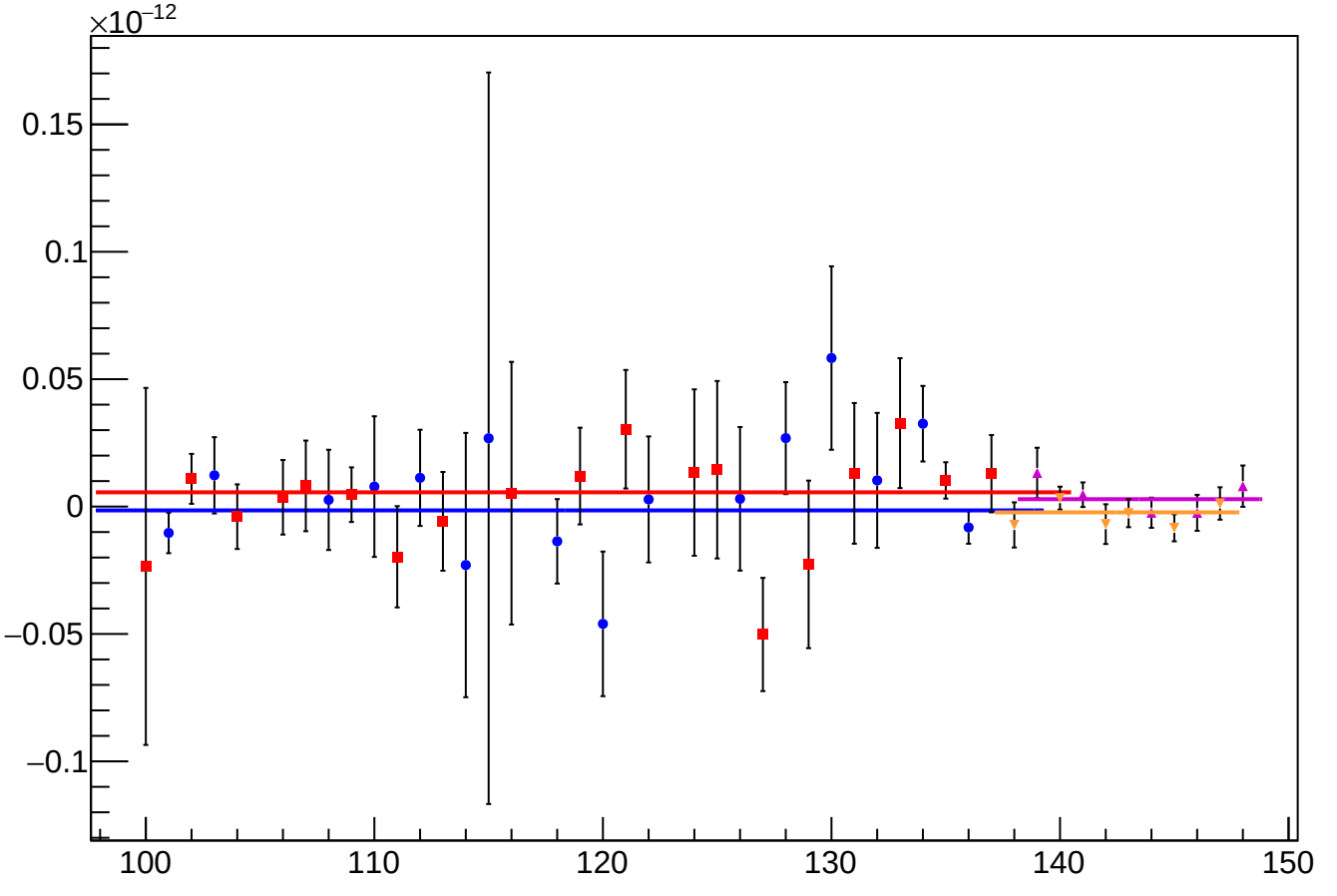
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

+ sign 29.138+/-0.006 χ^2/NDF: 1271183.6/21

All: 29.769+/-0.005 χ^2/NDF: 2115195.6/45

- sign 30.451+/-0.007 χ^2/NDF: 823195.0/23



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/5

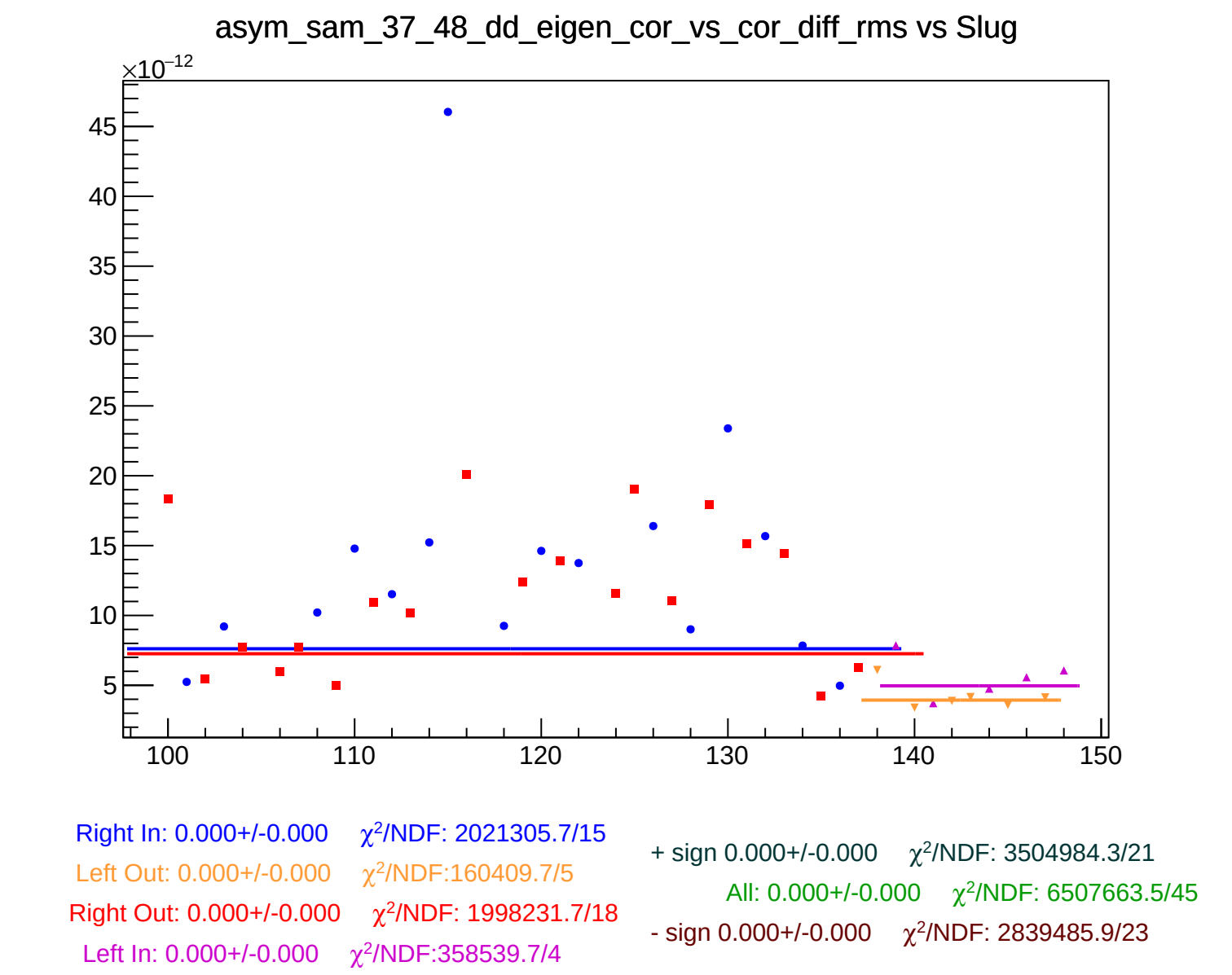
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/4

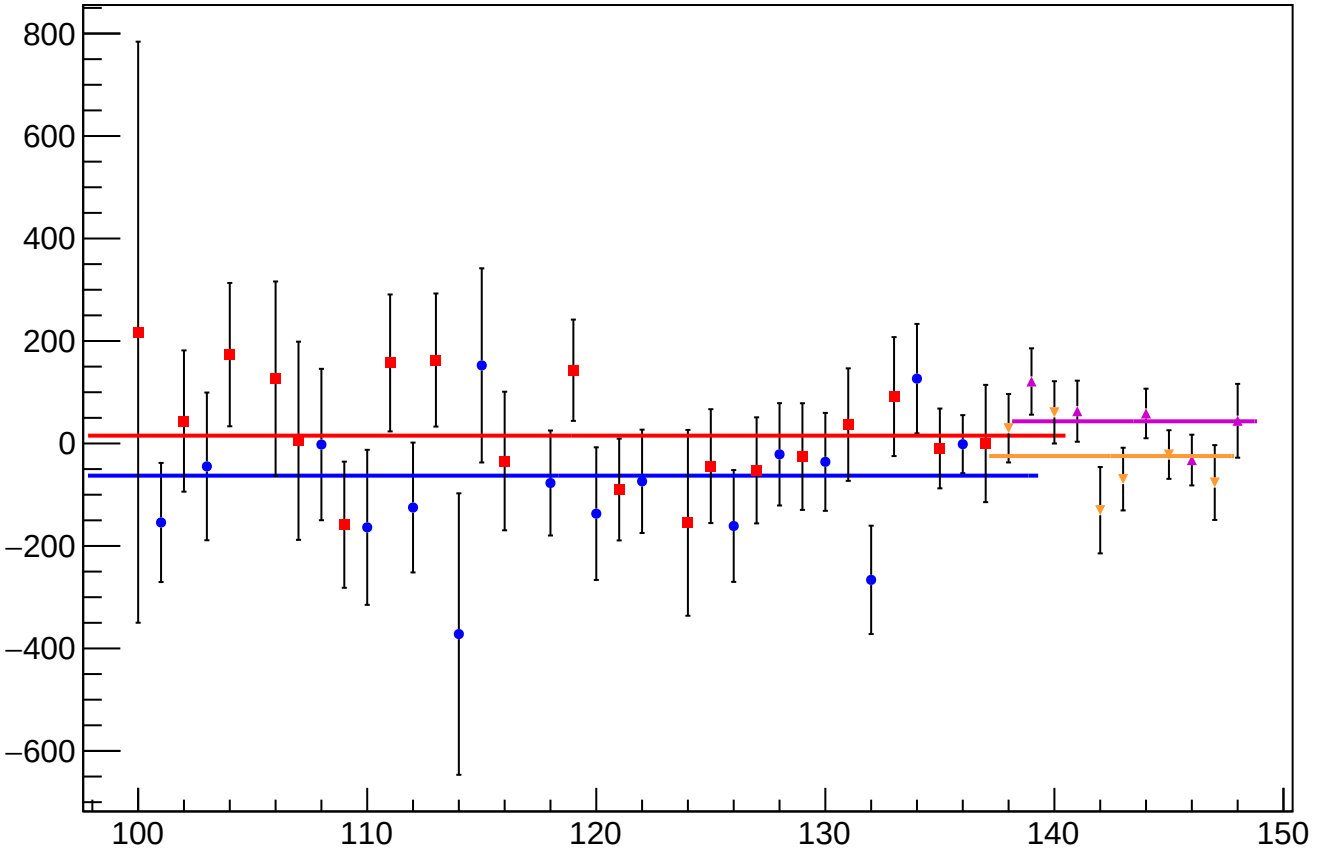
+ sign -0.000+/-0.000 χ^2/NDF: 20.8/21

All: 0.000+/-0.000 χ^2/NDF: 41.3/45

- sign 0.000+/-0.000 χ^2/NDF: 16.7/23


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:160409.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:358539.7/4
+ sign 0.000+/-0.000 χ²/NDF: 3504984.3/21
All: 0.000+/-0.000 χ²/NDF: 6507663.5/45
- sign 0.000+/-0.000 χ²/NDF: 2839485.9/23

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

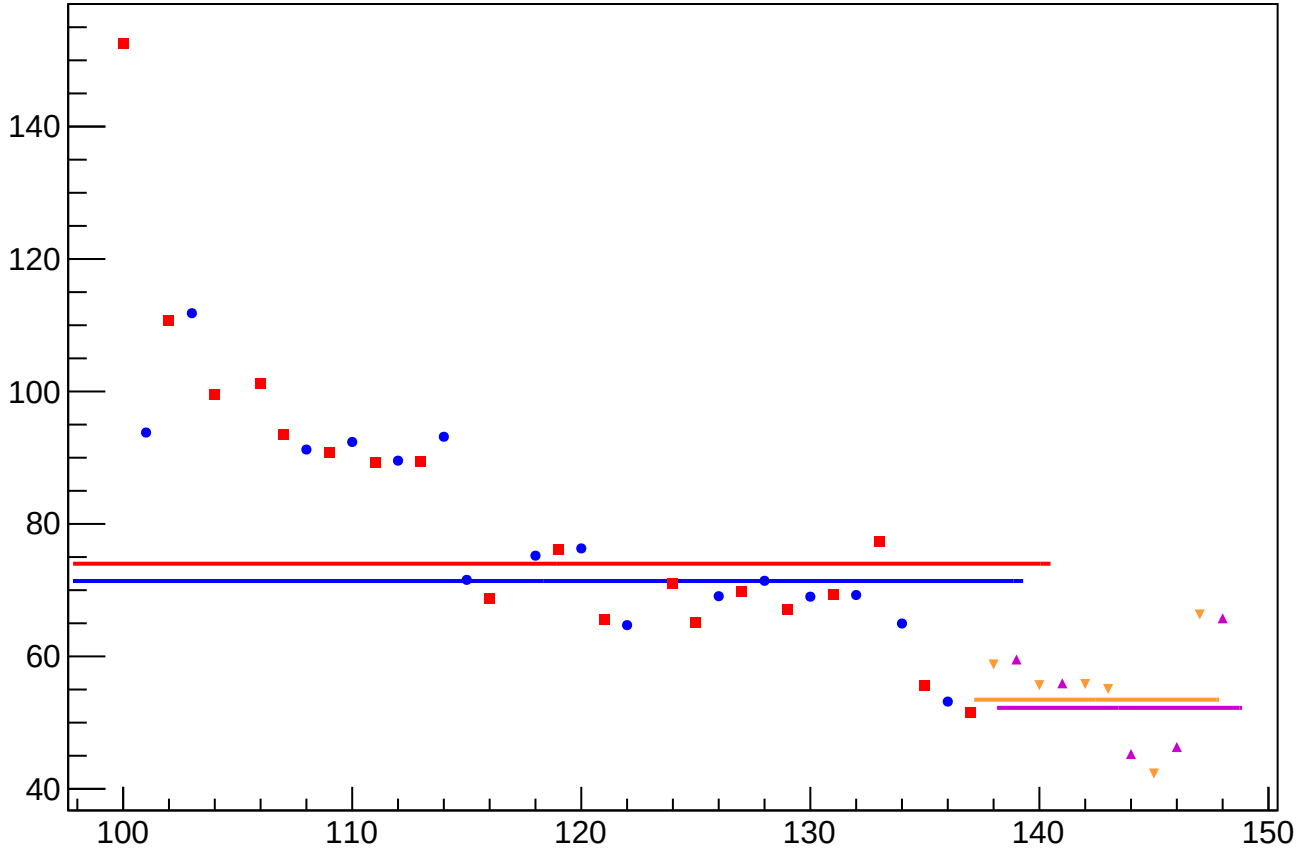
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -42.457+/-18.615 χ^2/NDF: 19.8/21

All: -6.235+/-13.210 χ^2/NDF: 43.4/45

- sign 30.506+/-18.748 χ^2/NDF: 16.0/23

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

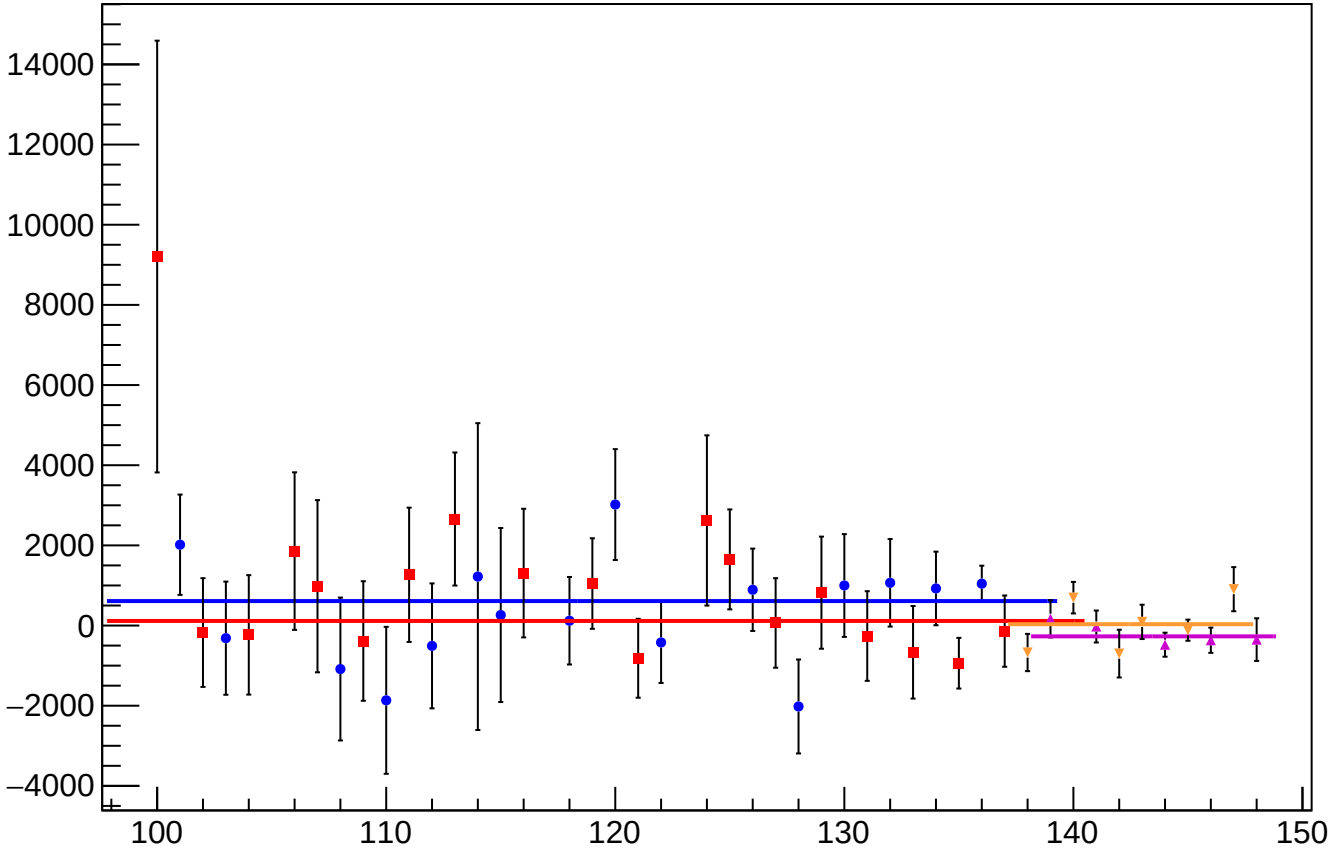
Left In: 52.234+/-0.018 χ^2/NDF:173679.3/4

+ sign 61.851+/-0.013 χ^2/NDF: 1243037.6/21

All: 62.000+/-0.009 χ^2/NDF: 2723706.7/45

- sign 62.152+/-0.013 χ^2/NDF: 1480409.7/23

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

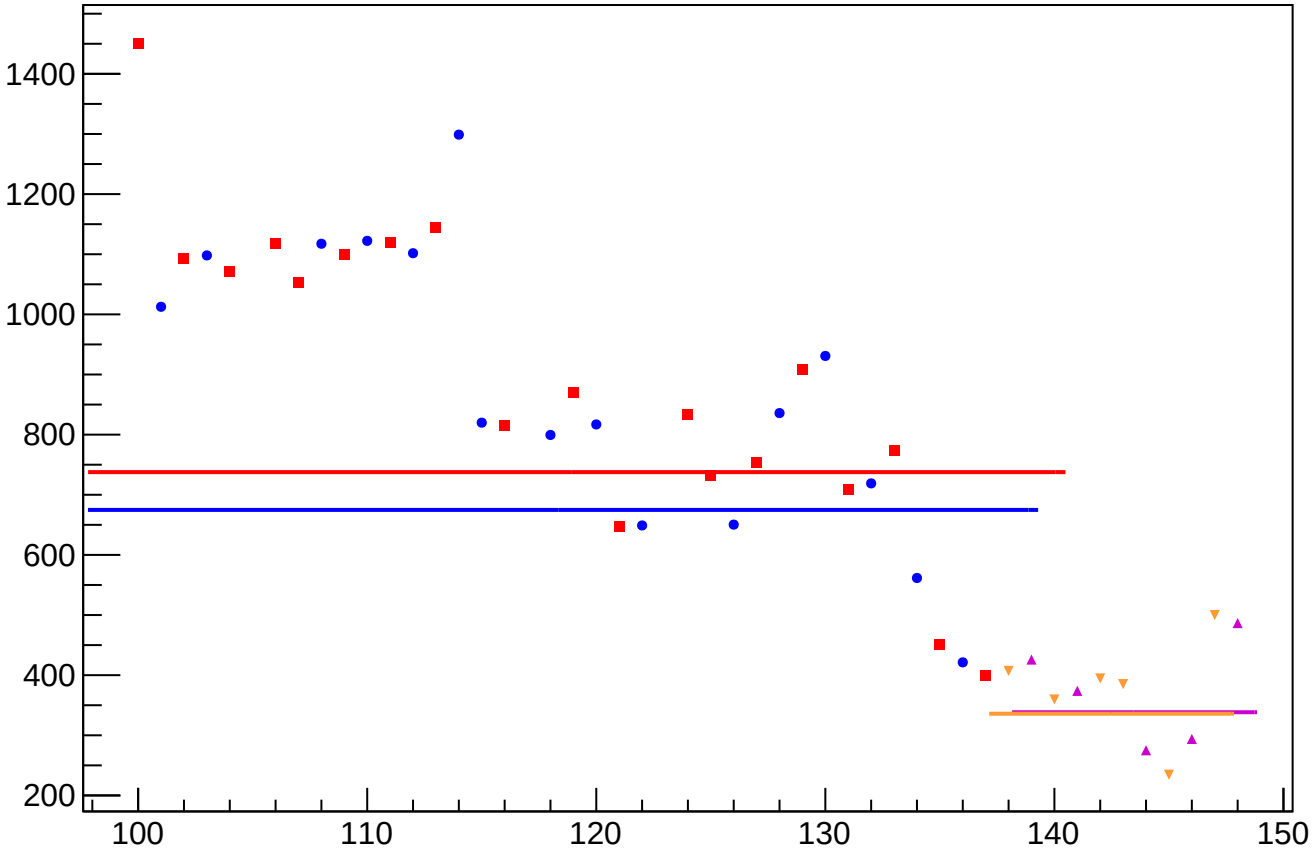
Left In: -269.843+/-167.395 χ^2/NDF:1.9/4

+ sign 192.106+/-139.876 χ^2/NDF: 28.6/21

All: 16.204+/-100.418 χ^2/NDF: 50.7/45

- sign -170.872+/-144.250 χ^2/NDF: 18.8/23

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

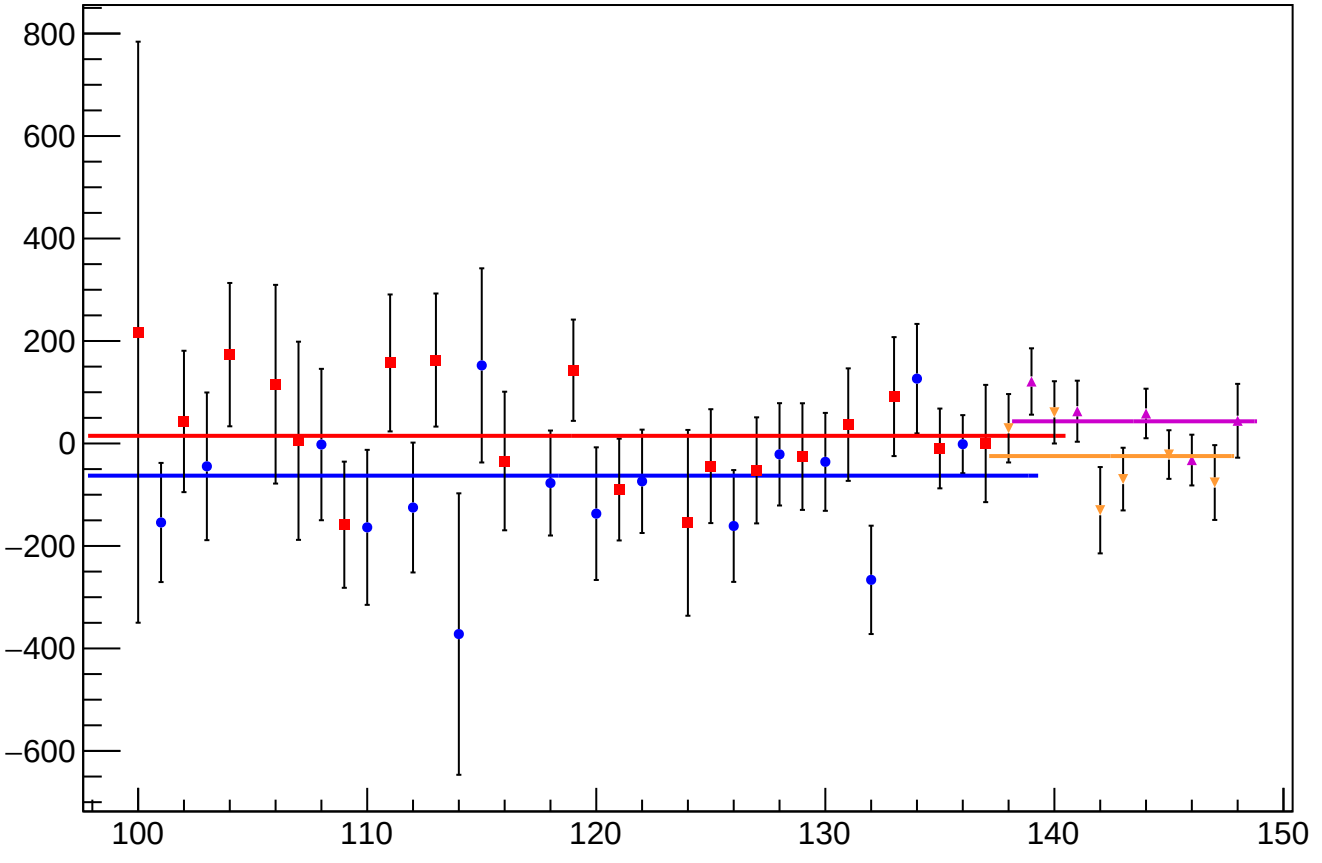
Left In: 338.375+/-0.118 χ^2/NDF:371244.9/4

+ sign 429.069+/-0.099 χ^2/NDF: 4531495.1/21

All: 434.930+/-0.071 χ^2/NDF: 9356146.7/45

- sign 441.162+/-0.102 χ^2/NDF: 4817407.1/23

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

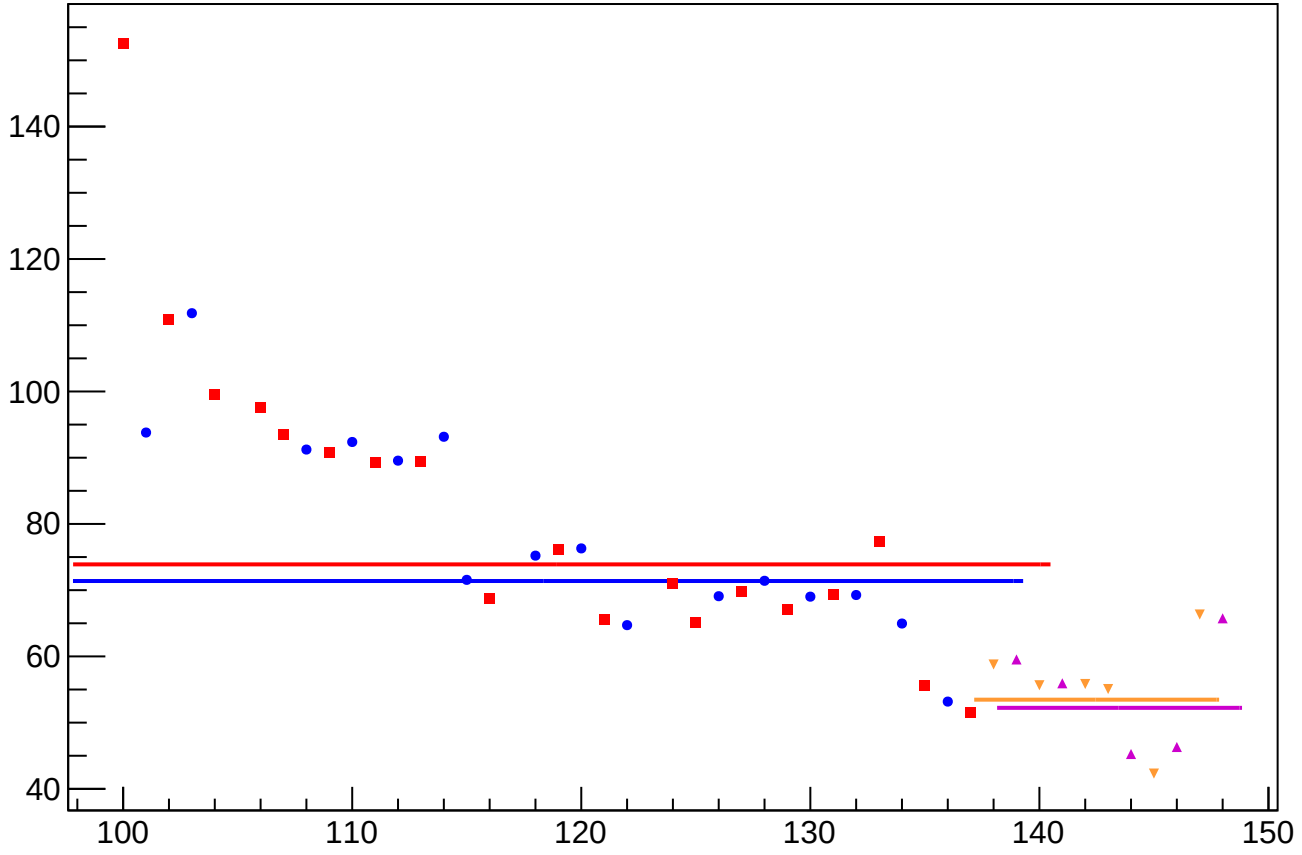
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -42.451+/-18.615 χ^2/NDF: 19.8/21

All: -6.317+/-13.211 χ^2/NDF: 43.3/45

- sign 30.350+/-18.752 χ^2/NDF: 15.9/23

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

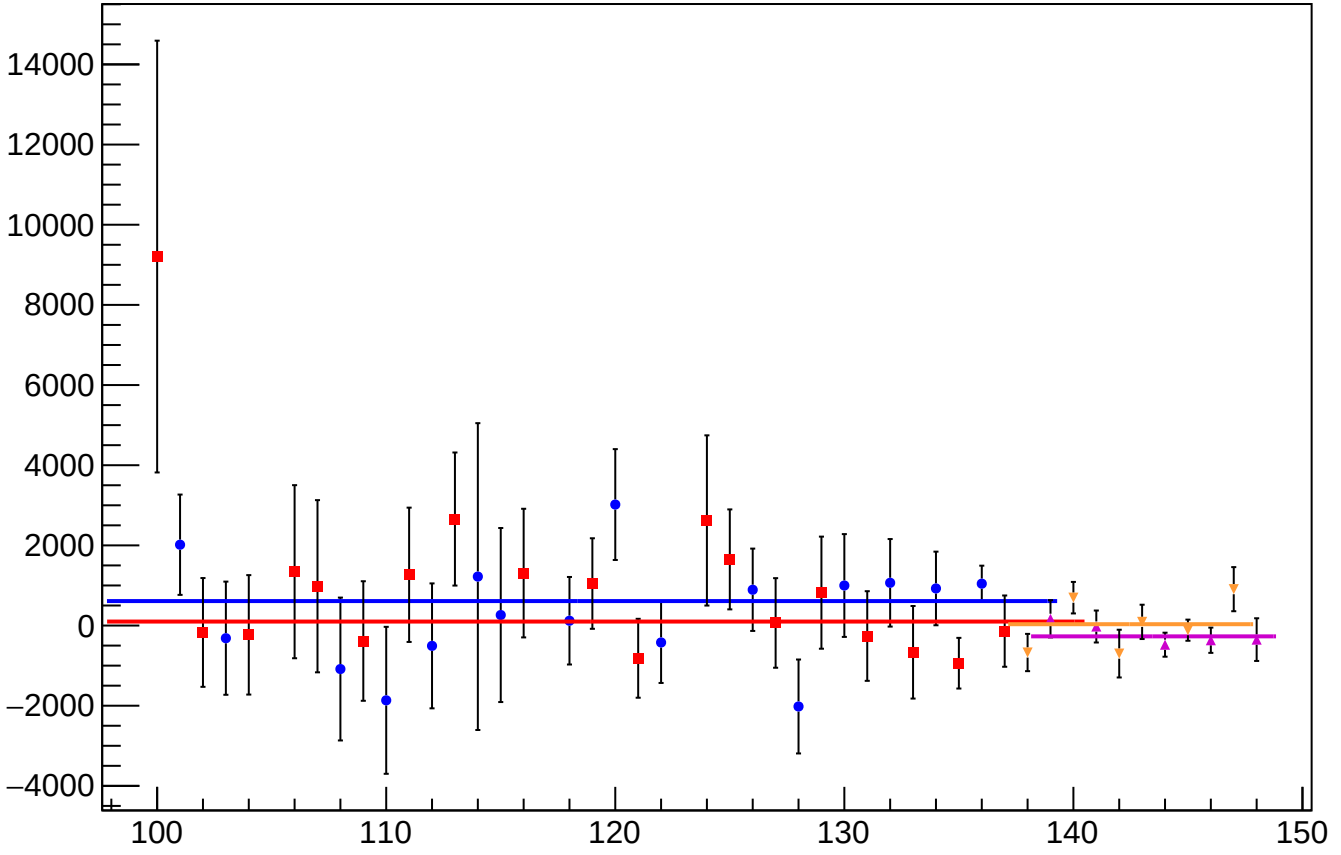
Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

+ sign 61.851+/-0.013 χ^2/NDF: 1243040.2/21

All: 61.975+/-0.009 χ^2/NDF: 2705741.8/45

- sign 62.101+/-0.013 χ^2/NDF: 1462522.1/23

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

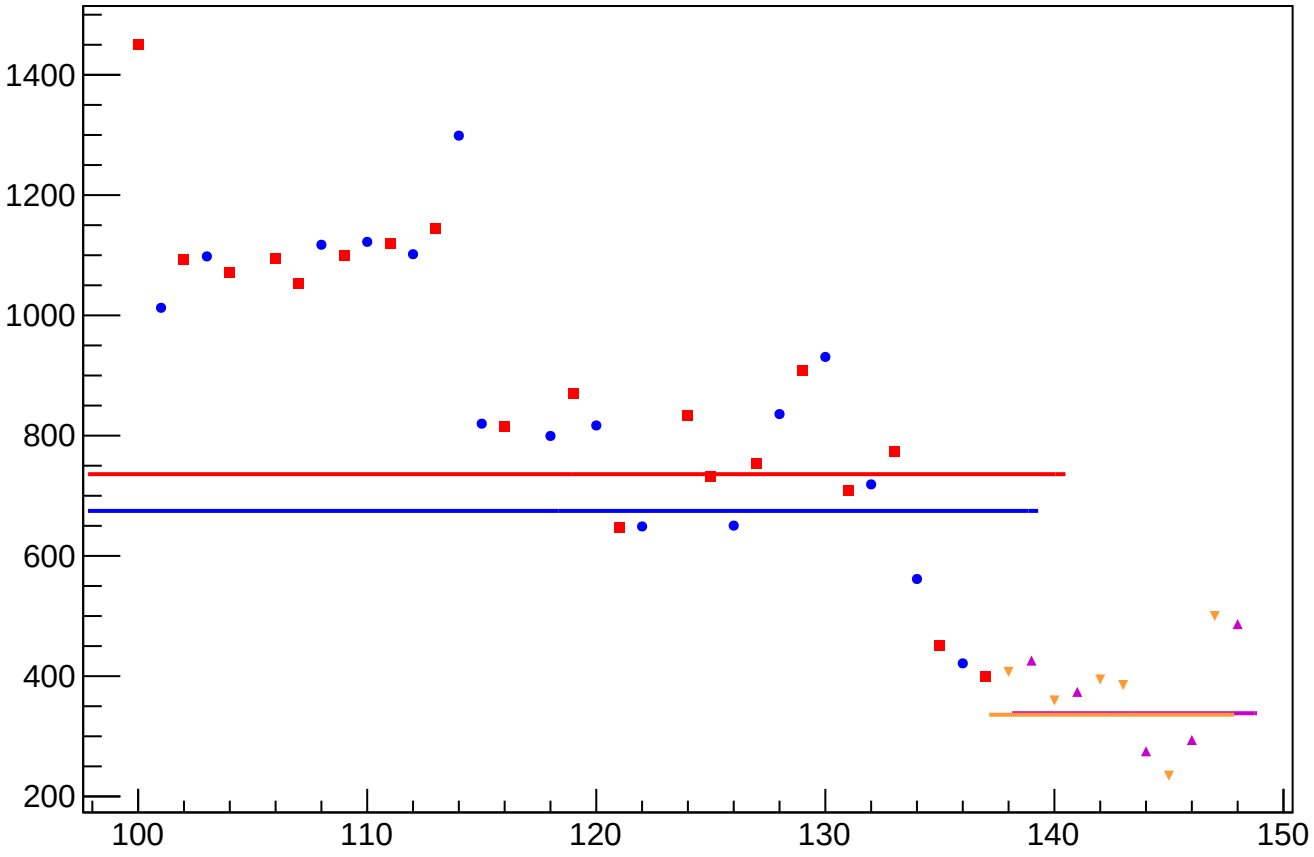
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -269.839+/-167.395 χ^2/NDF:1.9/4

+ sign 192.101+/-139.876 χ^2/NDF: 28.6/21

All: 14.283+/-100.441 χ^2/NDF: 50.2/45

- sign -175.007+/-144.318 χ^2/NDF: 18.2/23



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

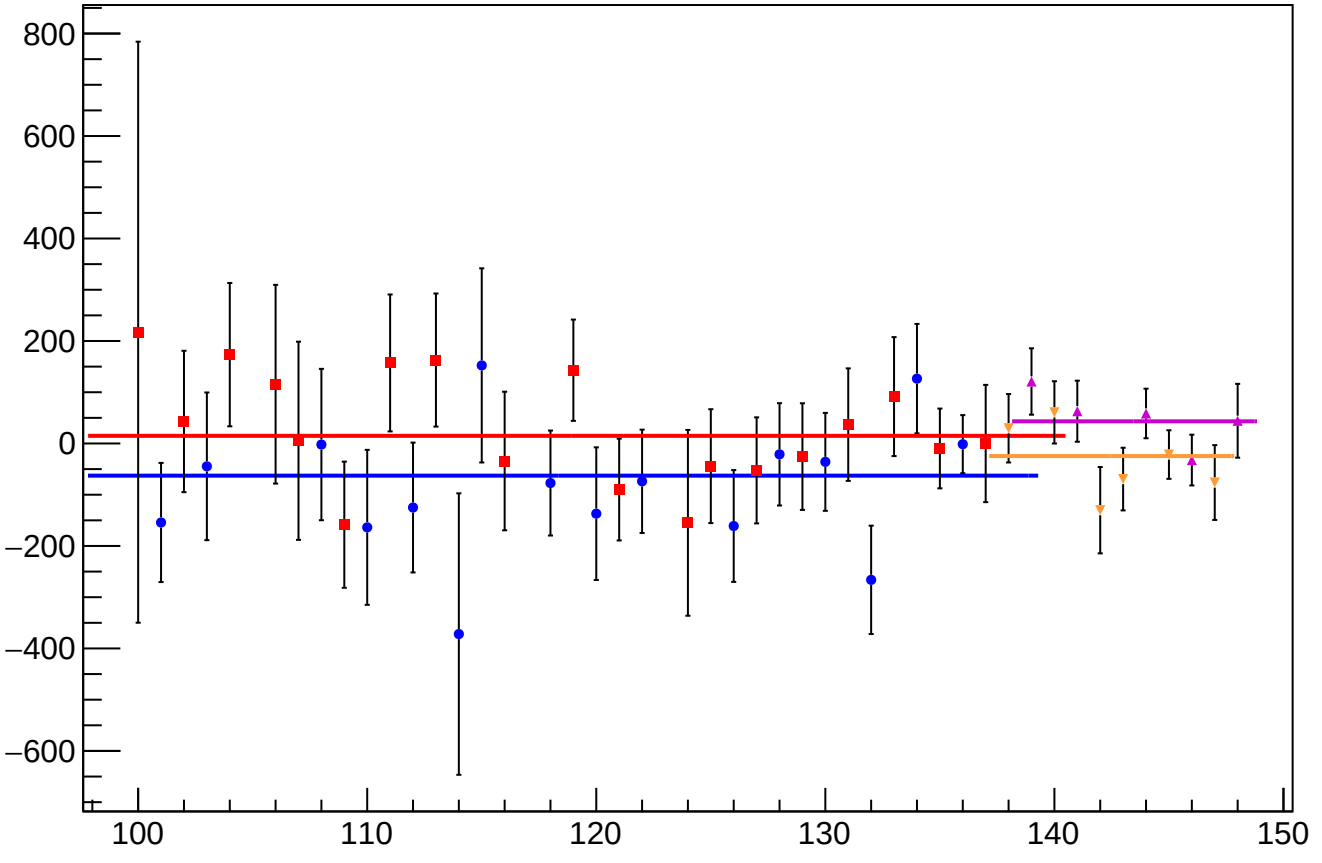
Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

+ sign 429.069+/-0.099 χ^2/NDF: 4531531.1/21

All: 434.574+/-0.071 χ^2/NDF: 9302009.9/45

- sign 440.434+/-0.102 χ^2/NDF: 4764083.6/23

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

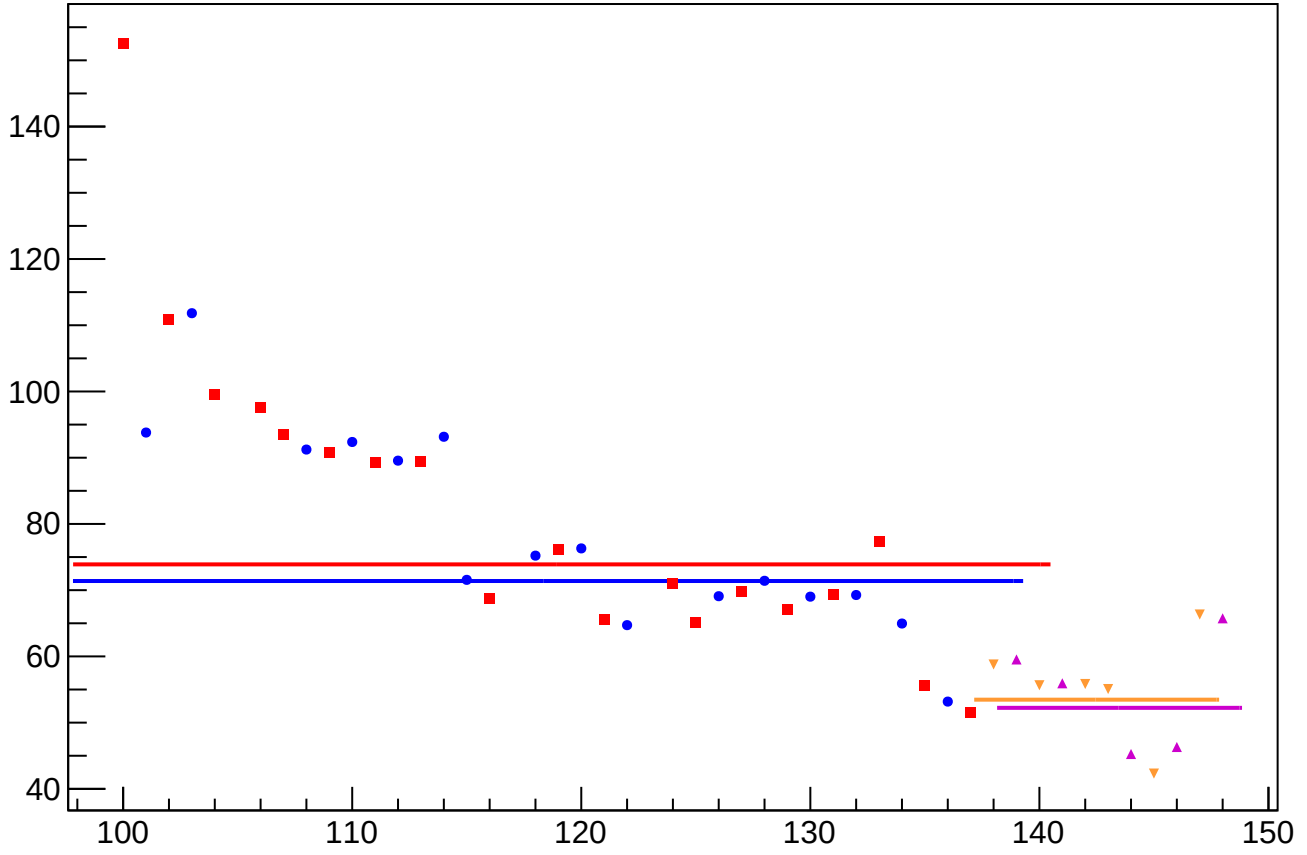
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -42.451+/-18.615 χ^2/NDF: 19.8/21

All: -6.317+/-13.211 χ^2/NDF: 43.3/45

- sign 30.350+/-18.752 χ^2/NDF: 15.9/23

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

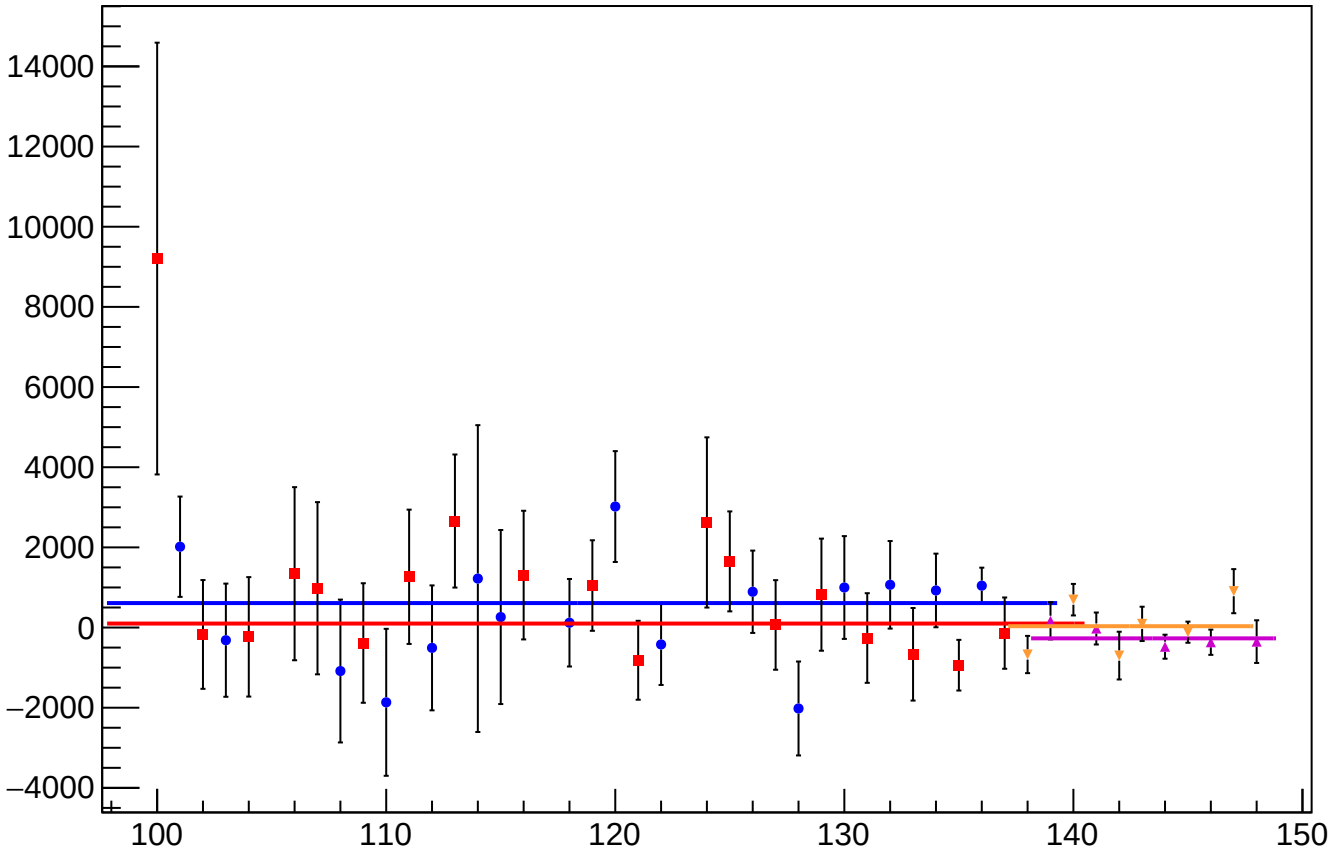
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

+ sign 61.851+/-0.013 χ^2/NDF: 1243040.2/21

All: 61.975+/-0.009 χ^2/NDF: 2705741.8/45

- sign 62.101+/-0.013 χ^2/NDF: 1462522.1/23



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

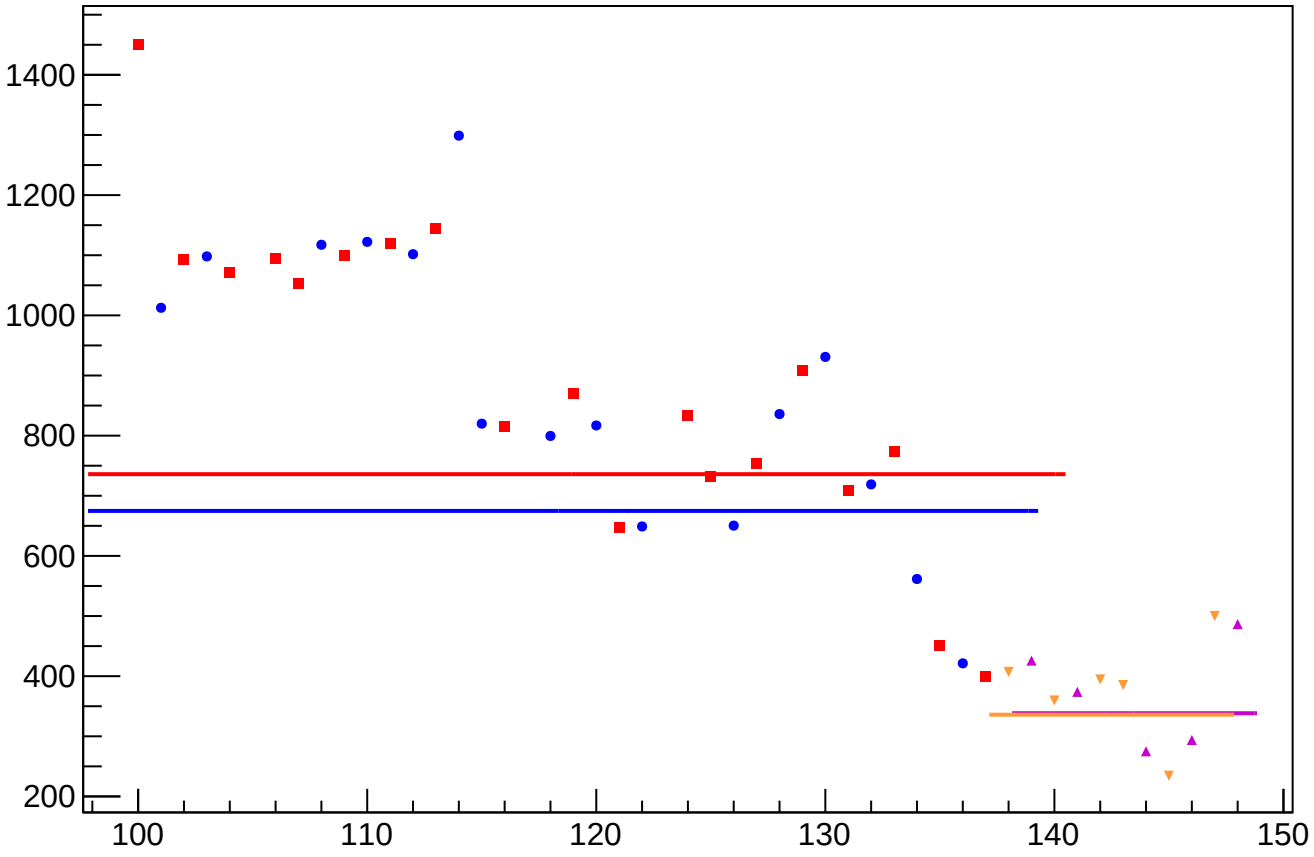
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -269.839+/-167.395 χ^2/NDF:1.9/4

+ sign 192.101+/-139.876 χ^2/NDF: 28.6/21

All: 14.283+/-100.441 χ^2/NDF: 50.2/45

- sign -175.007+/-144.318 χ^2/NDF: 18.2/23



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

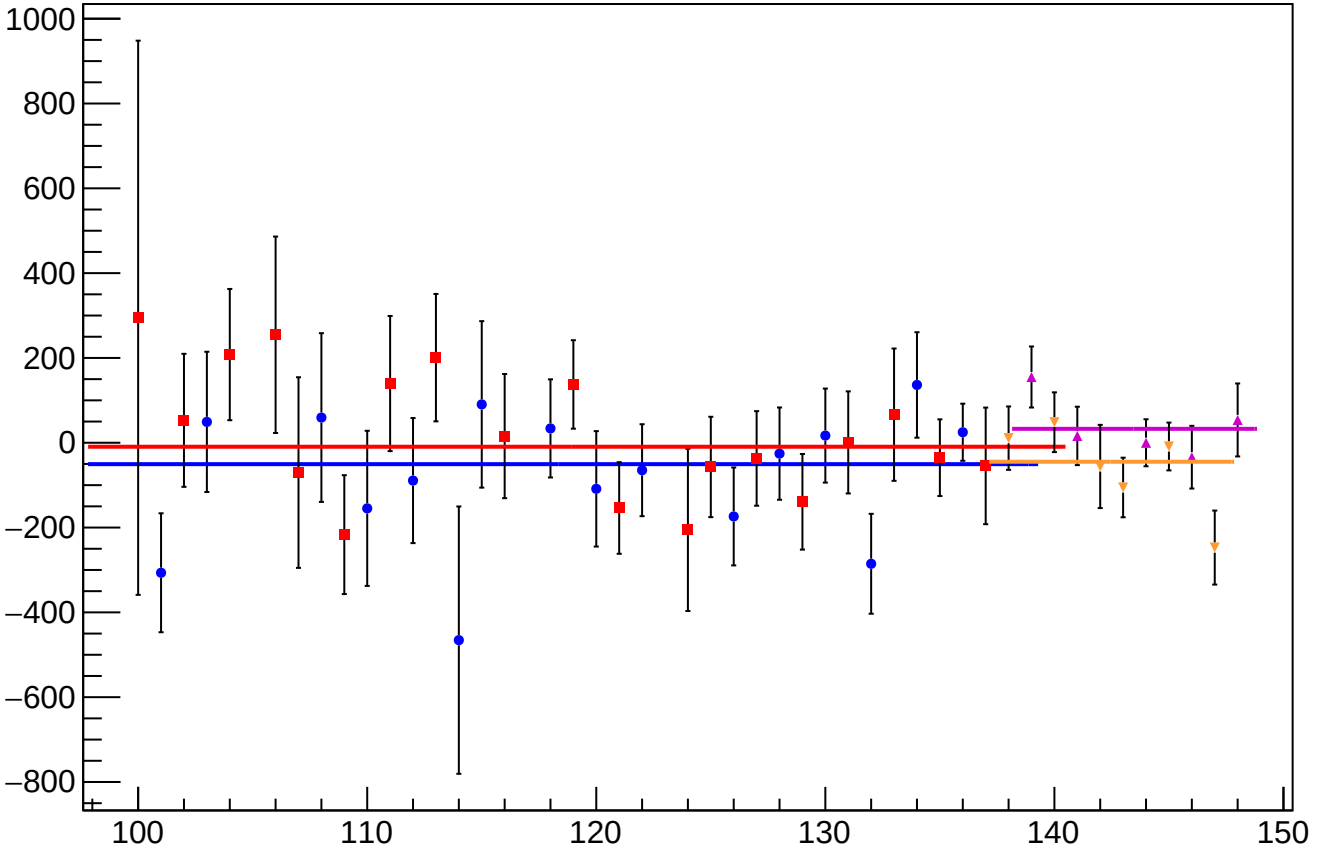
Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

+ sign 429.069+/-0.099 χ^2/NDF: 4531531.1/21

All: 434.574+/-0.071 χ^2/NDF: 9302009.9/45

- sign 440.434+/-0.102 χ^2/NDF: 4764083.6/23

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

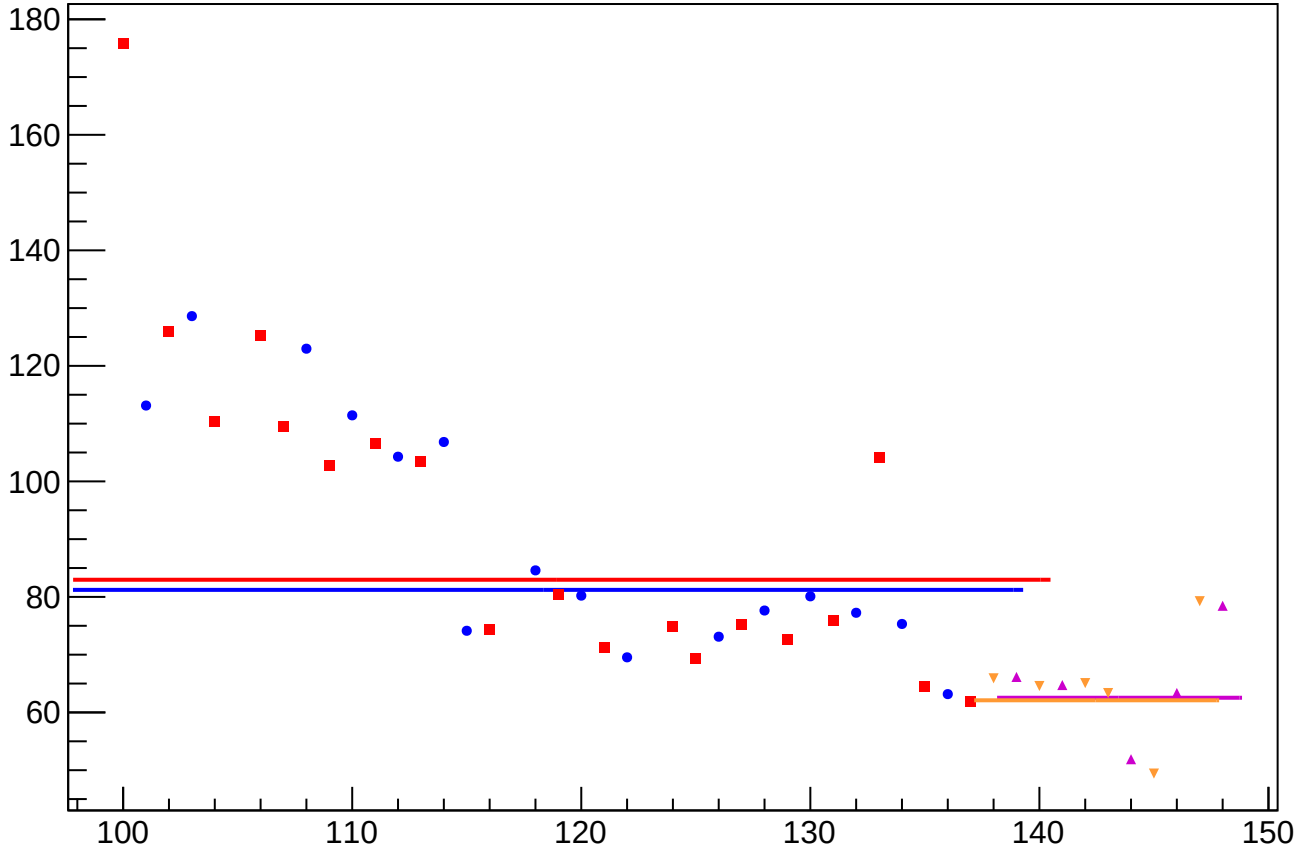
Left In: 32.817+/-30.899 χ^2/NDF:4.2/4

+ sign -47.485+/-21.471 χ^2/NDF: 25.3/21

All: -18.448+/-15.354 χ^2/NDF: 49.7/45

- sign 11.946+/-21.967 χ^2/NDF: 20.7/23

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

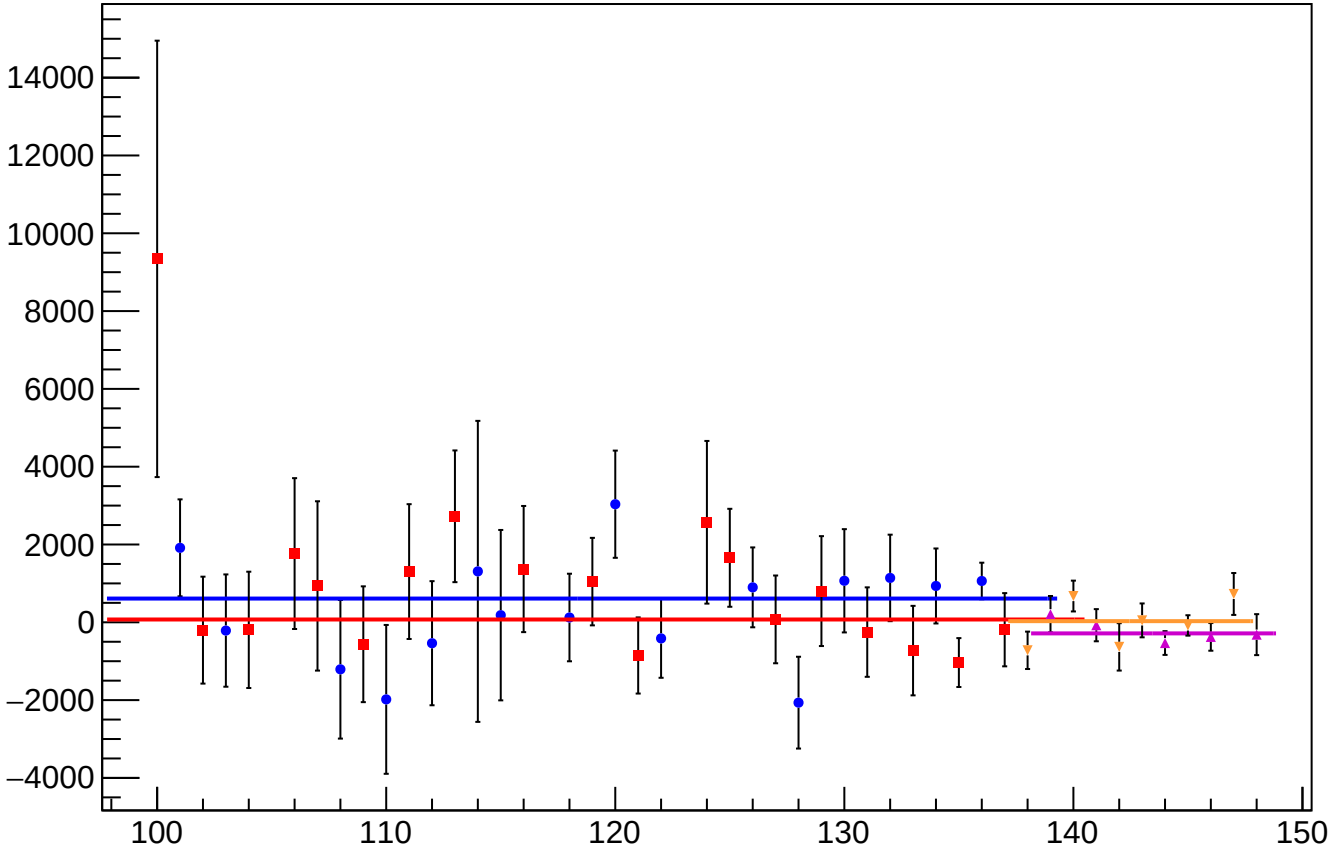
Left In: 62.542+/-0.022 χ^2/NDF:149529.8/4

+ sign 71.235+/-0.015 χ^2/NDF: 1247211.8/21

All: 71.924+/-0.011 χ^2/NDF: 2563742.7/45

- sign 72.646+/-0.016 χ^2/NDF: 1312310.3/23

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

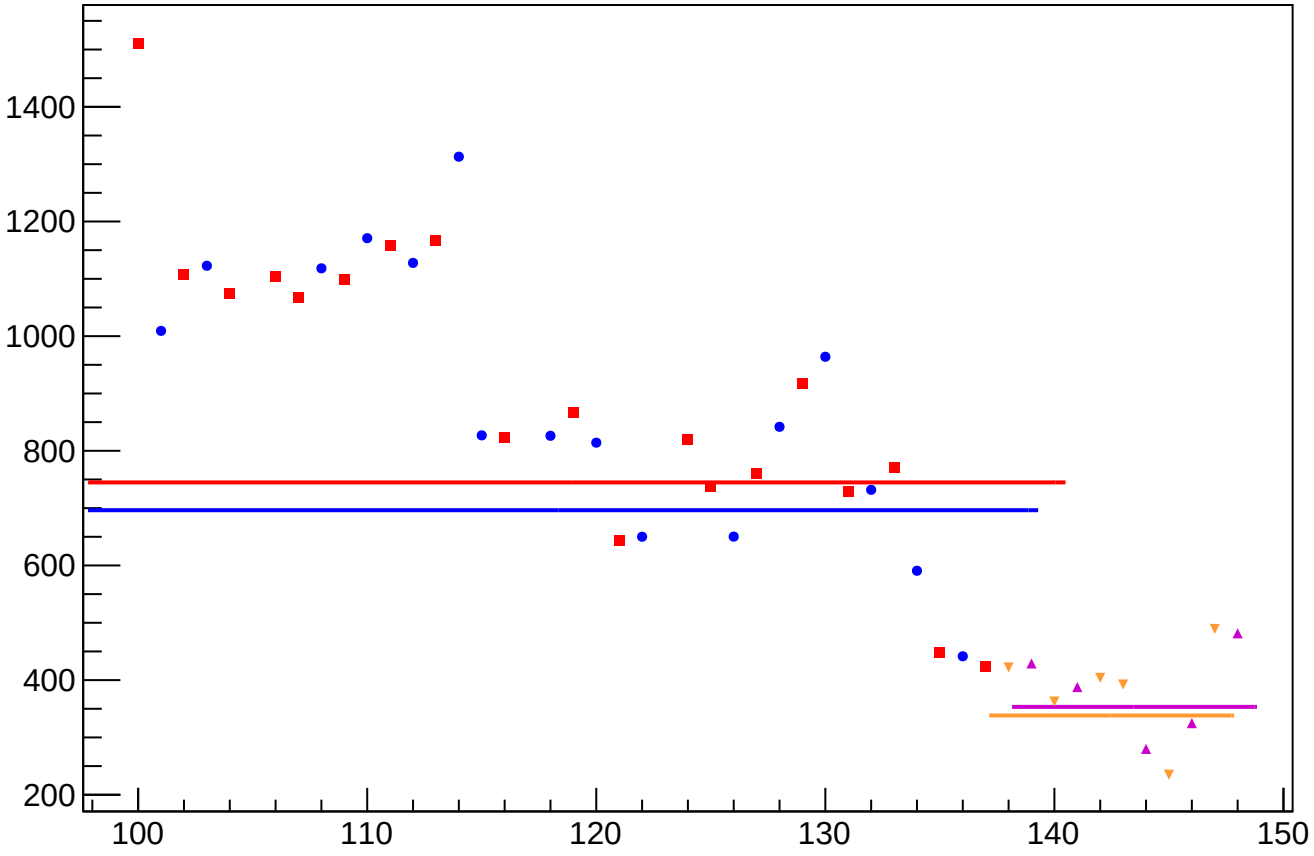
Left In: -284.947+/-174.926 χ^2/NDF:2.1/4

+ sign 184.413+/-141.446 χ^2/NDF: 27.2/21

All: 8.269+/-102.696 χ^2/NDF: 49.9/45

- sign -188.095+/-149.345 χ^2/NDF: 19.4/23

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

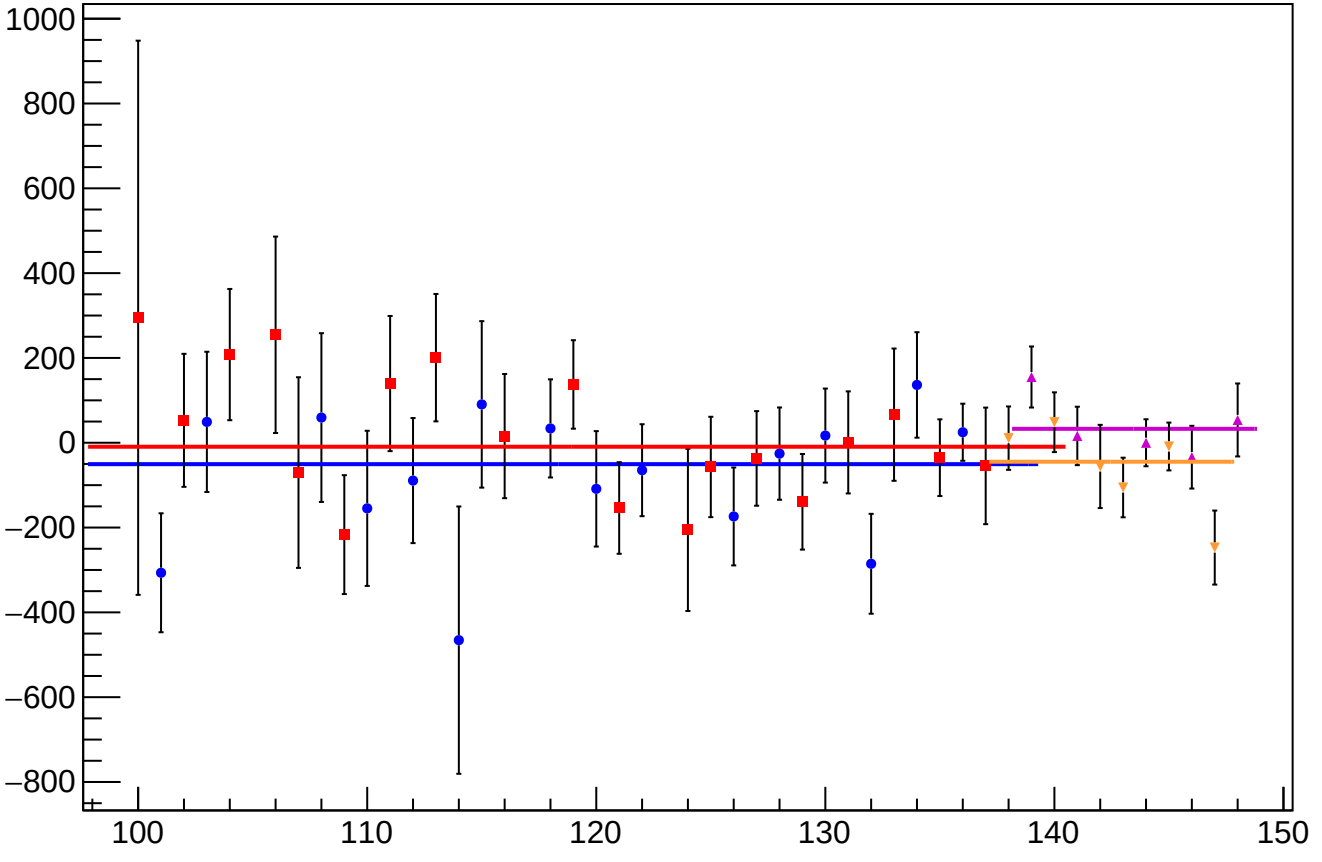
Left In: 353.309+/-0.124 χ^2/NDF:313421.8/4

\+ sign 433.720+/-0.100 χ^2/NDF: 4611081.4/21

All: 445.893+/-0.073 χ^2/NDF: 9170989.8/45

\- sign 459.462+/-0.106 χ^2/NDF: 4528584.5/23

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

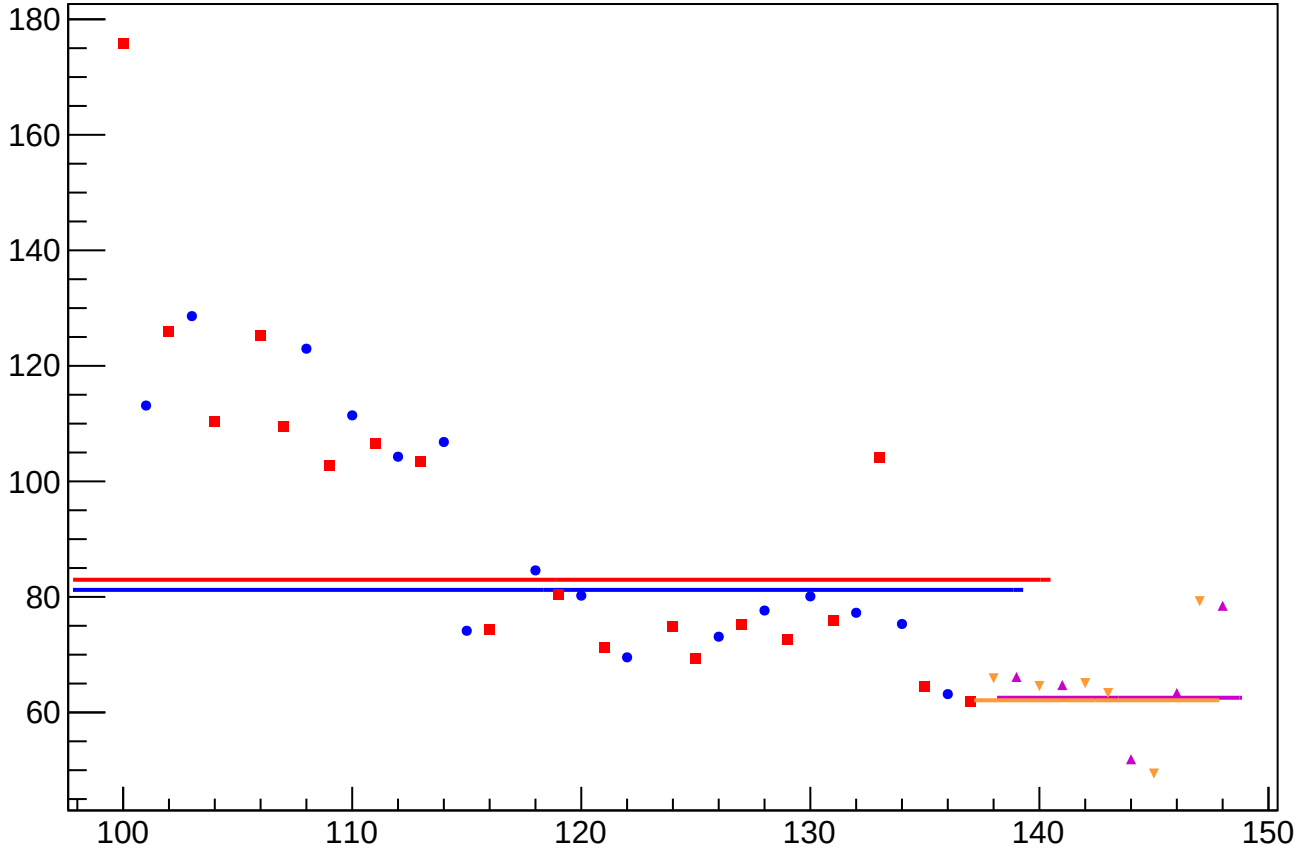
Left In: 32.816+/-30.899 χ^2/NDF:4.2/4

+ sign -47.485+/-21.470 χ^2/NDF: 25.3/21

All: -18.449+/-15.354 χ^2/NDF: 49.7/45

- sign 11.946+/-21.967 χ^2/NDF: 20.7/23

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

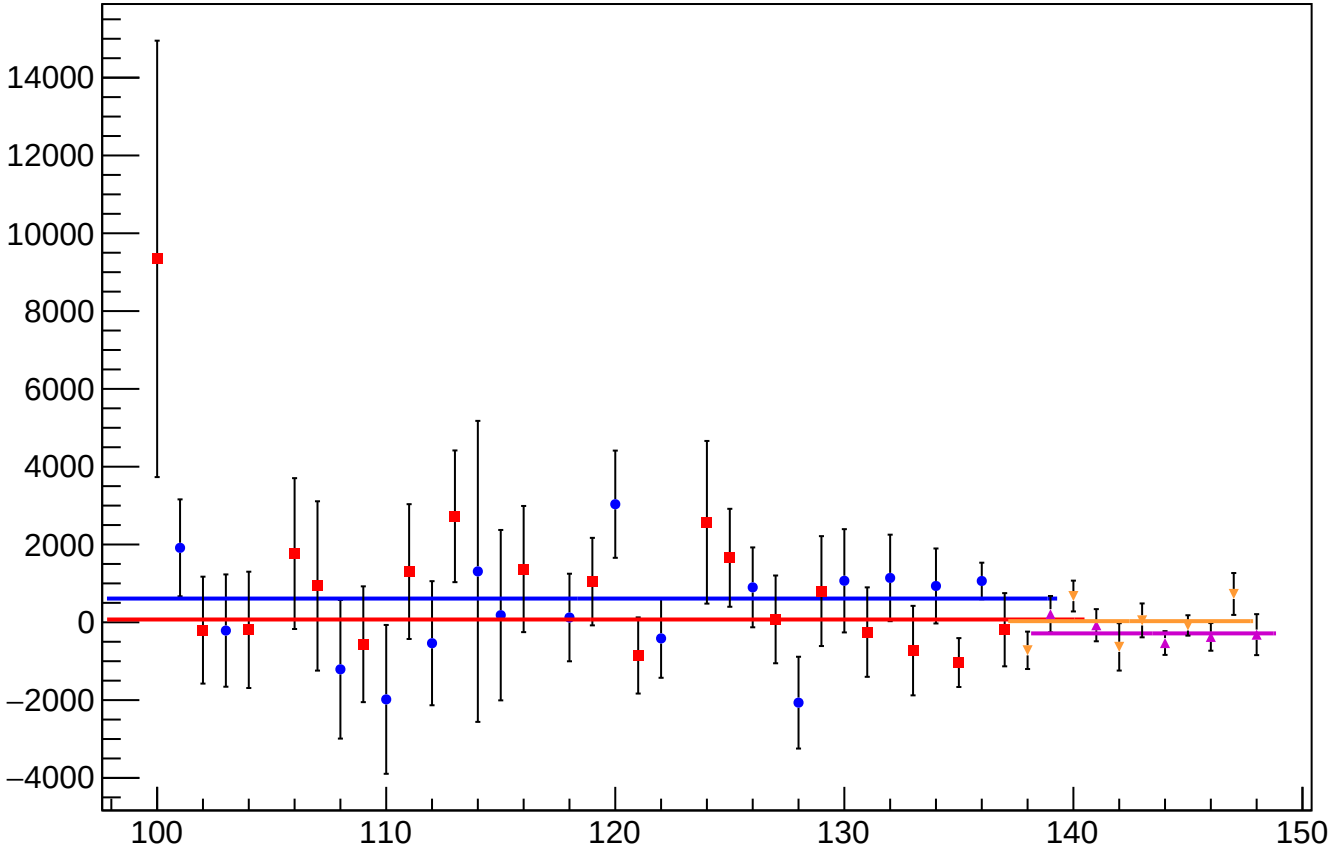
Left In: 62.542+/-0.022 χ^2/NDF:149530.6/4

+ sign 71.235+/-0.015 χ^2/NDF: 1247167.5/21

All: 71.924+/-0.011 χ^2/NDF: 2563666.4/45

- sign 72.646+/-0.016 χ^2/NDF: 1312277.9/23

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 29.626+/-165.158 χ^2/NDF:8.1/5

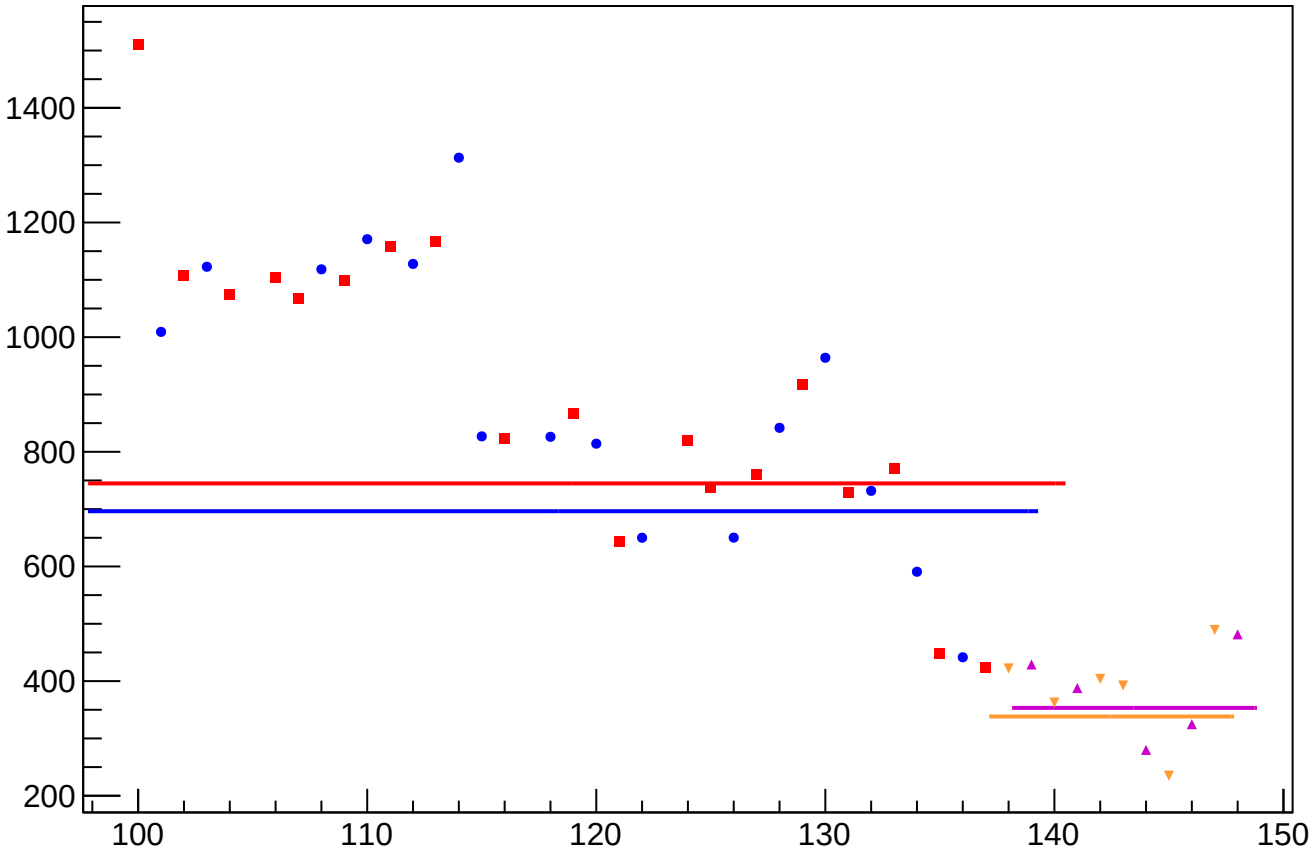
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -284.948+/-174.926 χ^2/NDF:2.1/4

+ sign 184.413+/-141.446 χ^2/NDF: 27.2/21

All: 8.269+/-102.696 χ^2/NDF: 49.9/45

- sign -188.094+/-149.344 χ^2/NDF: 19.4/23



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

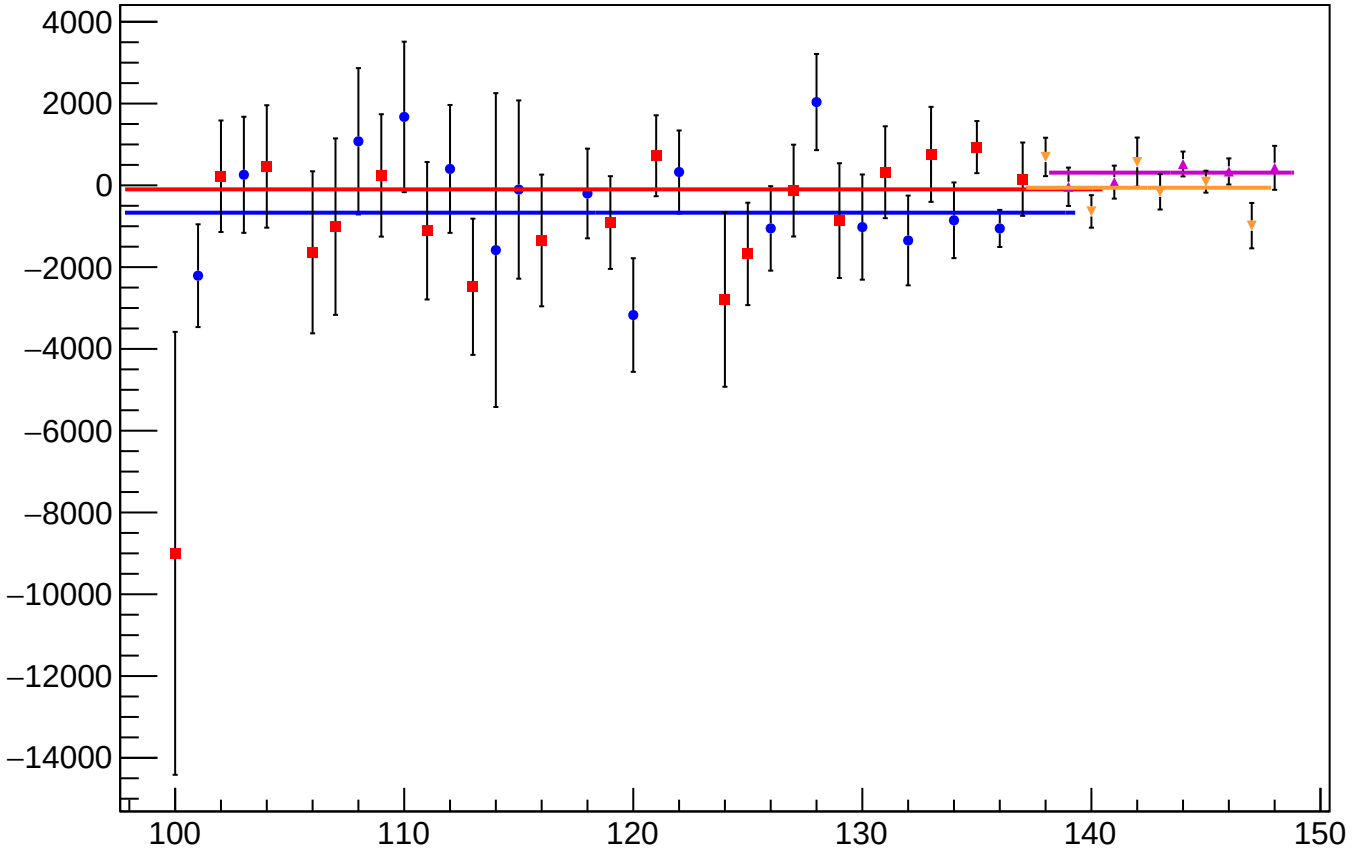
Left In: 353.309+/-0.124 χ^2/NDF:313425.1/4

+ sign 433.720+/-0.100 χ^2/NDF: 4611079.8/21

All: 445.892+/-0.073 χ^2/NDF: 9170974.0/45

- sign 459.462+/-0.106 χ^2/NDF: 4528569.4/23

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

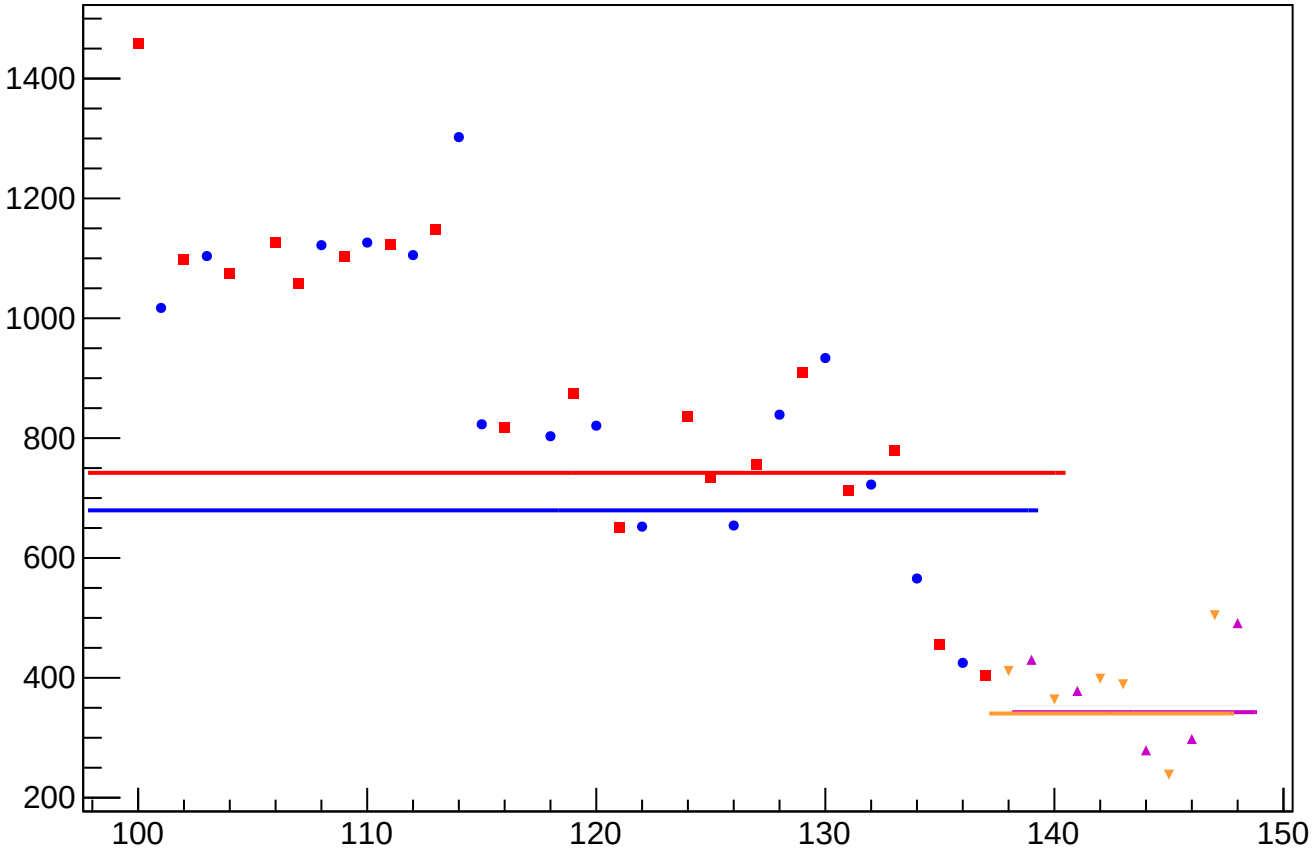
Left In: 310.605+/-169.451 χ^2/NDF:1.4/4

+ sign -227.681+/-141.411 χ^2/NDF: 28.8/21

All: -18.208+/-101.498 χ^2/NDF: 51.1/45

- sign 204.371+/-145.768 χ^2/NDF: 17.8/23

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

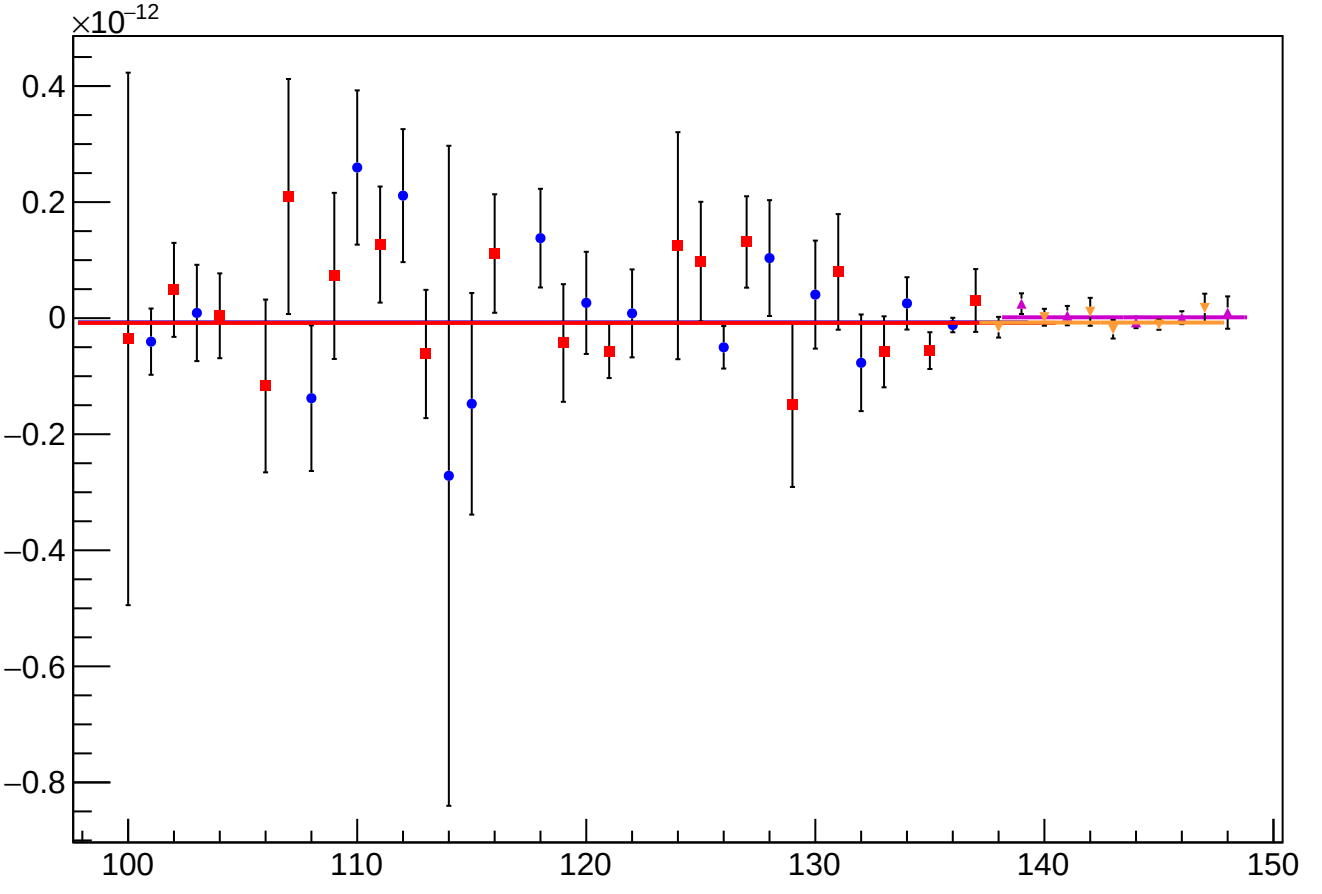
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 342.723+/-0.120 χ^2/NDF:365173.7/4

+ sign 434.559+/-0.100 χ^2/NDF: 4465925.2/21

All: 440.374+/-0.072 χ^2/NDF: 9230613.1/45

- sign 446.552+/-0.103 χ^2/NDF: 4757714.2/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

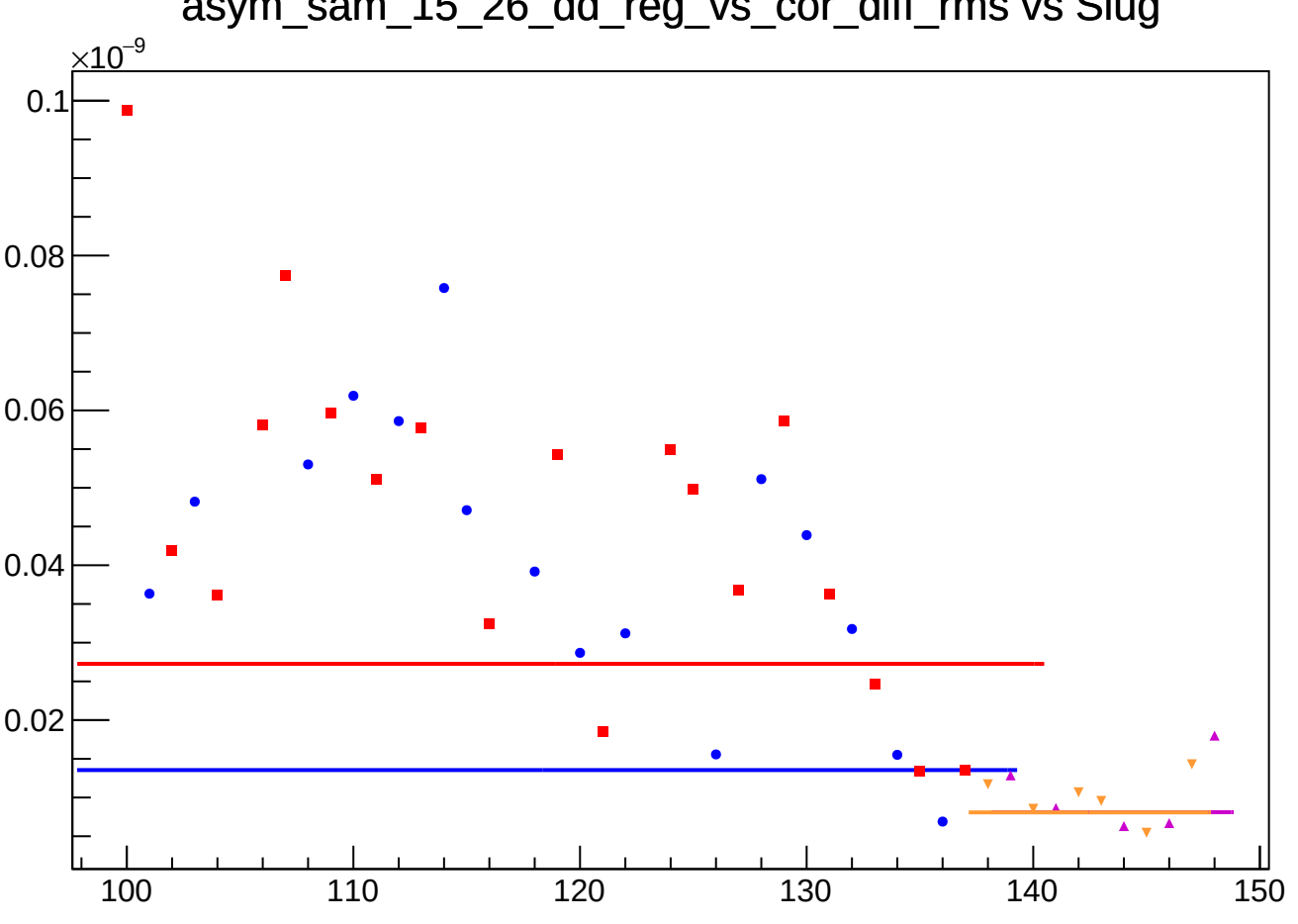
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/21

All: -0.000+/-0.000 χ^2/NDF: 41.1/45

- sign 0.000+/-0.000 χ^2/NDF: 19.9/23



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

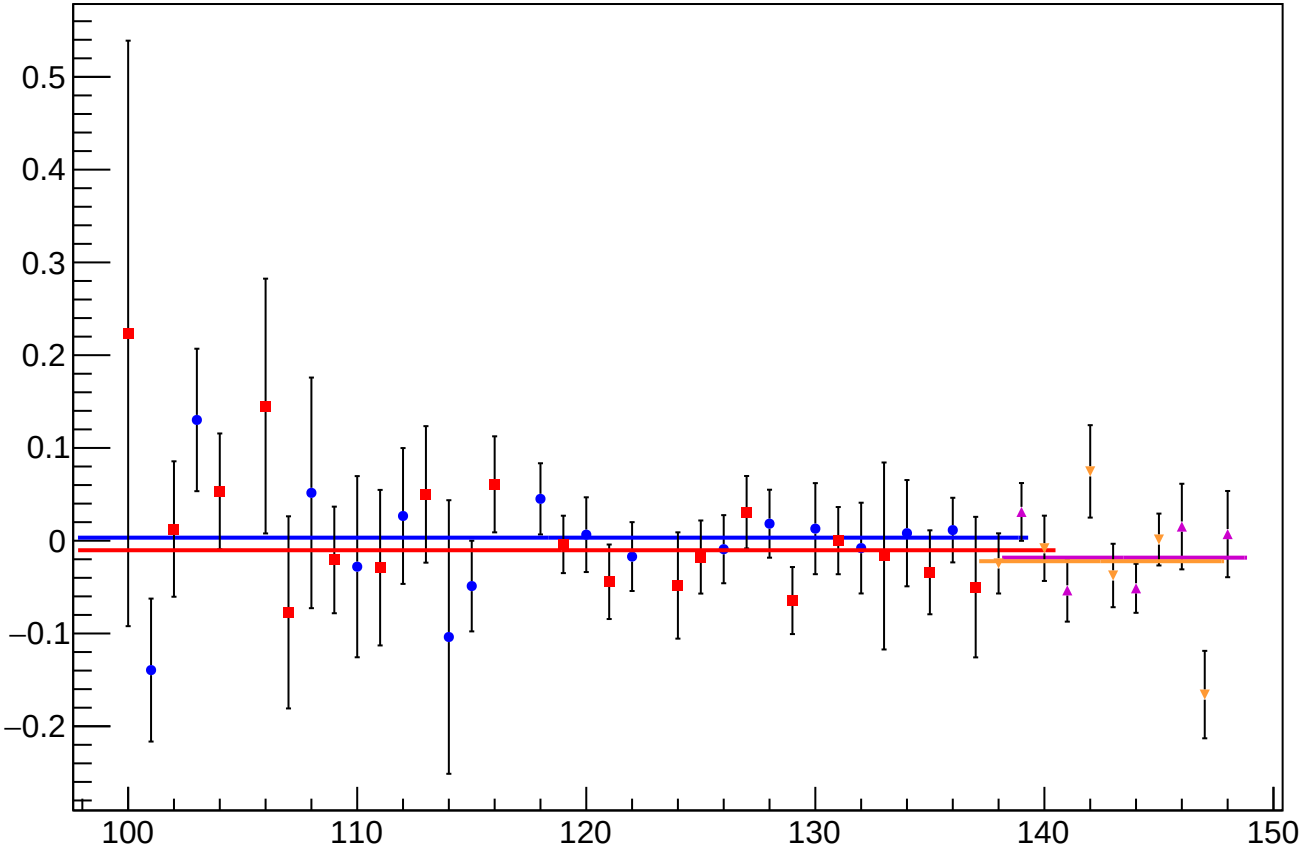
Left In: 0.000+/-0.000 χ^2/NDF:493977.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3887971.2/21

All: 0.000+/-0.000 χ^2/NDF: 8314121.4/45

- sign 0.000+/-0.000 χ^2/NDF: 4403451.1/23

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

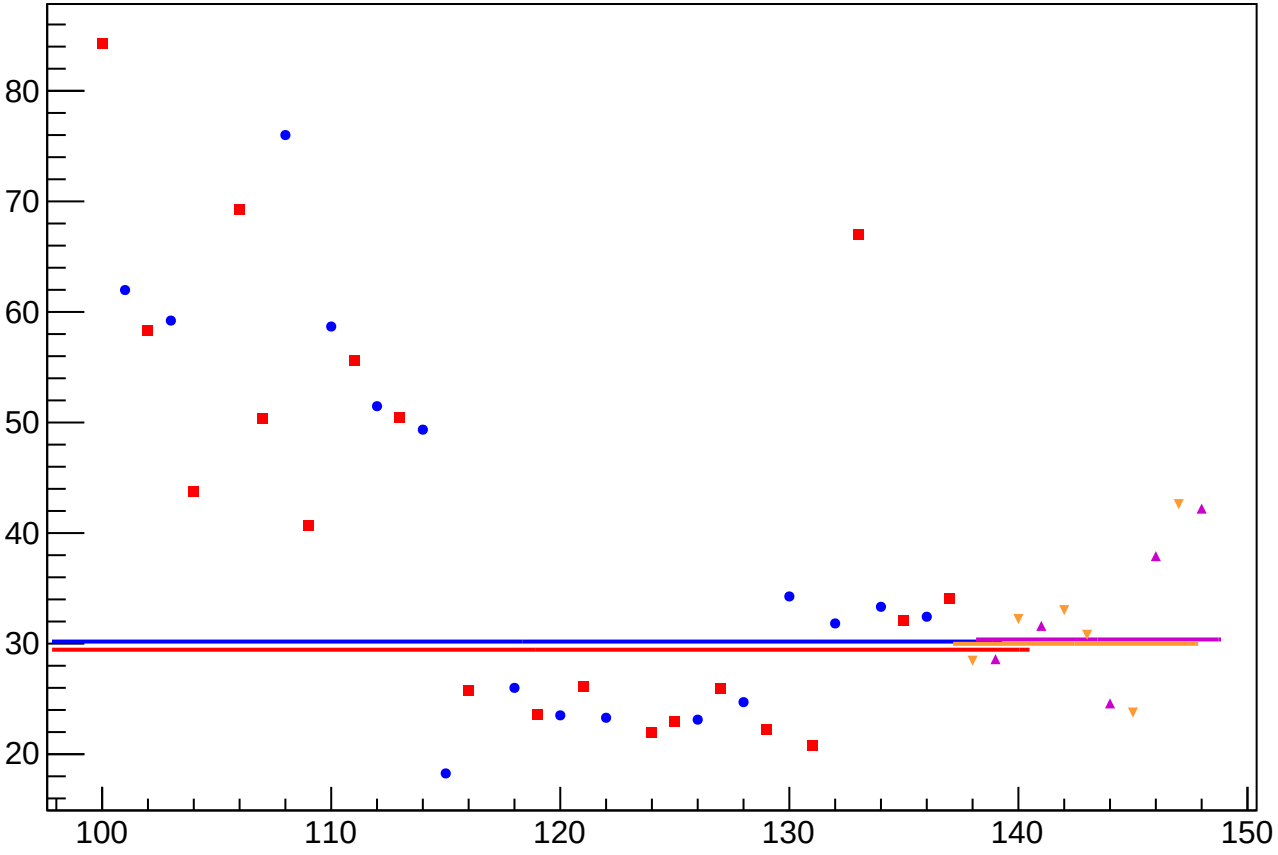
Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.010+/-0.007 χ^2/NDF: 43.6/45

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23

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

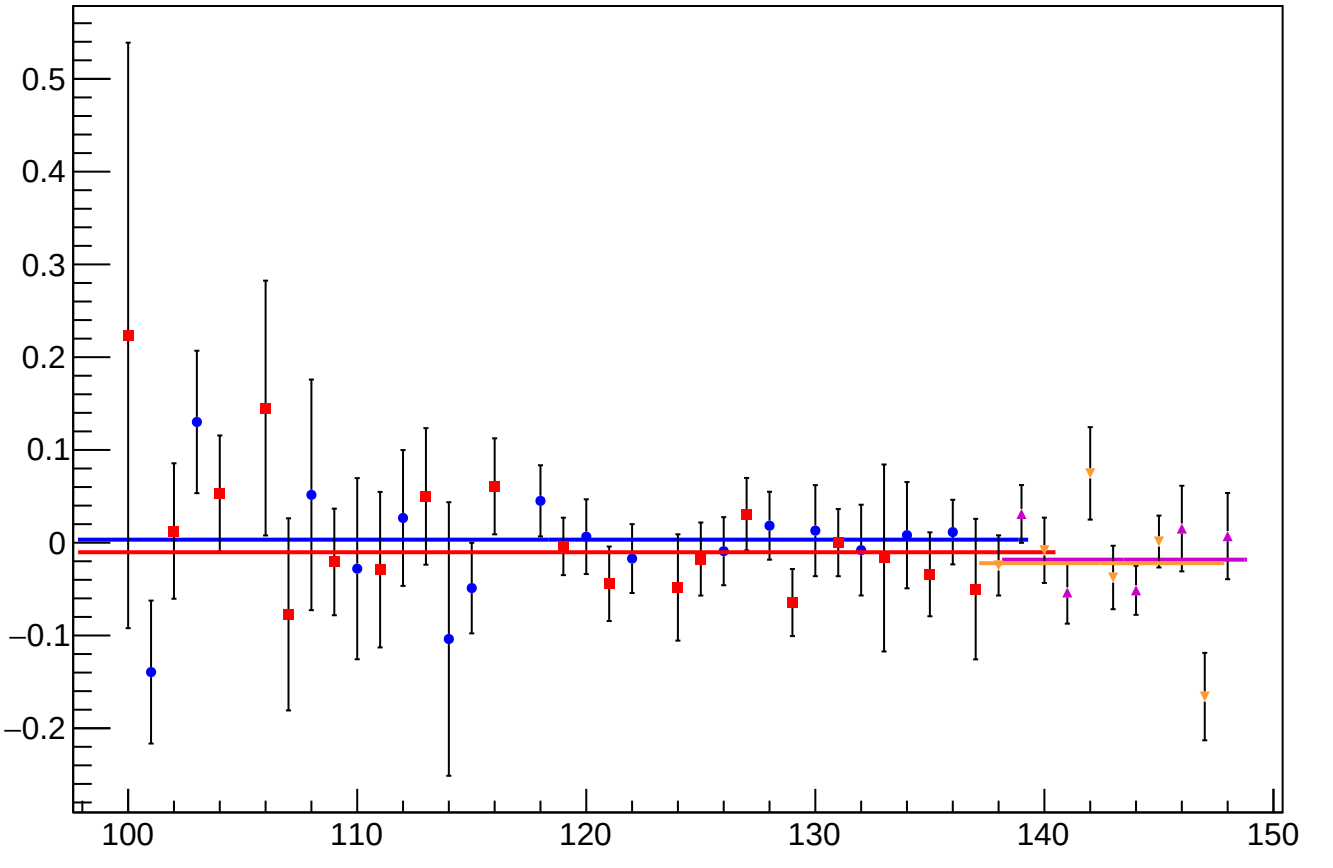
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.5/4

+ sign 30.102+/-0.007 χ^2/NDF: 1951358.7/21

All: 29.949+/-0.005 χ^2/NDF: 4093655.2/45

- sign 29.797+/-0.007 χ^2/NDF: 2141232.9/23



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

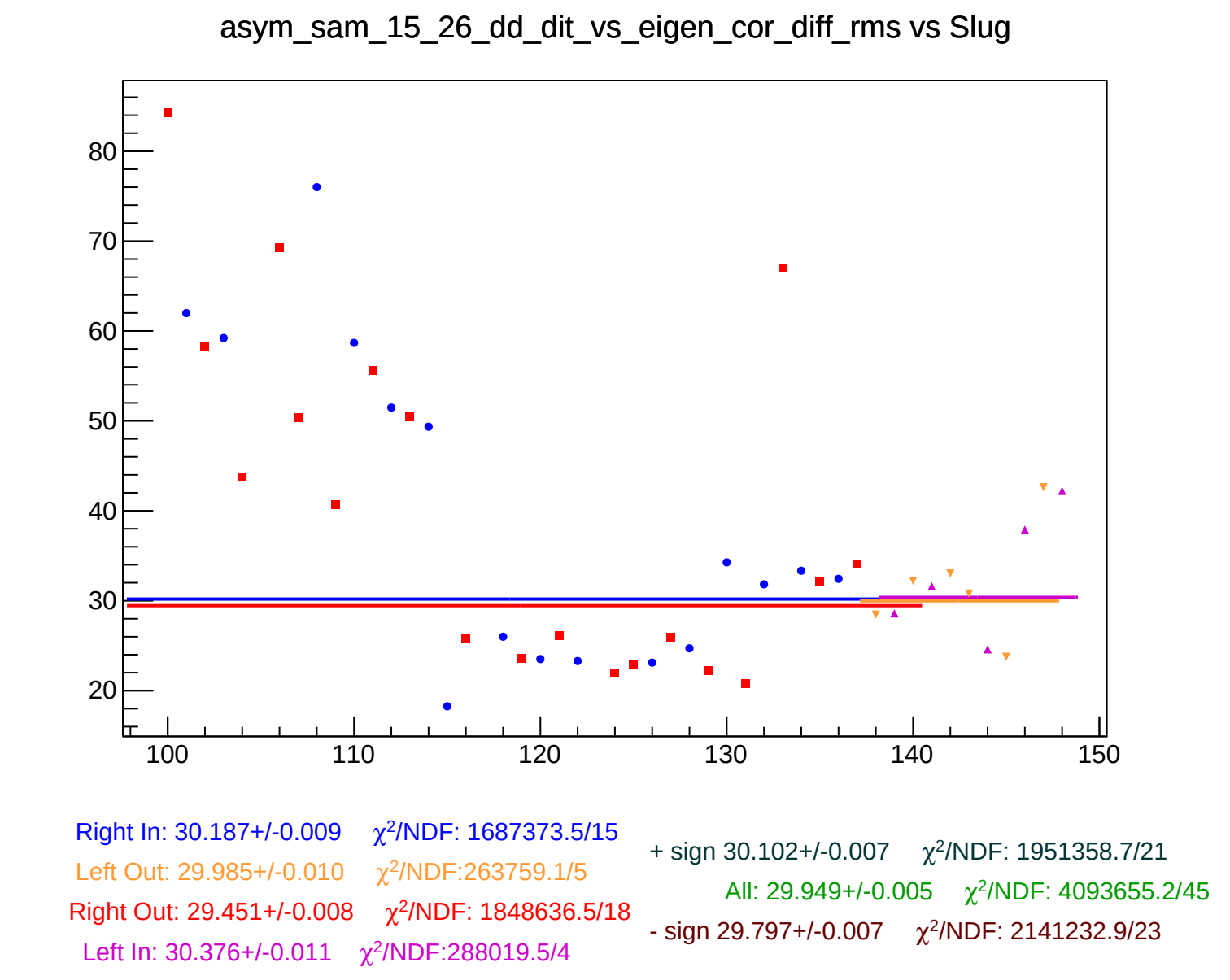
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.010+/-0.007 χ^2/NDF: 43.6/45

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
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50
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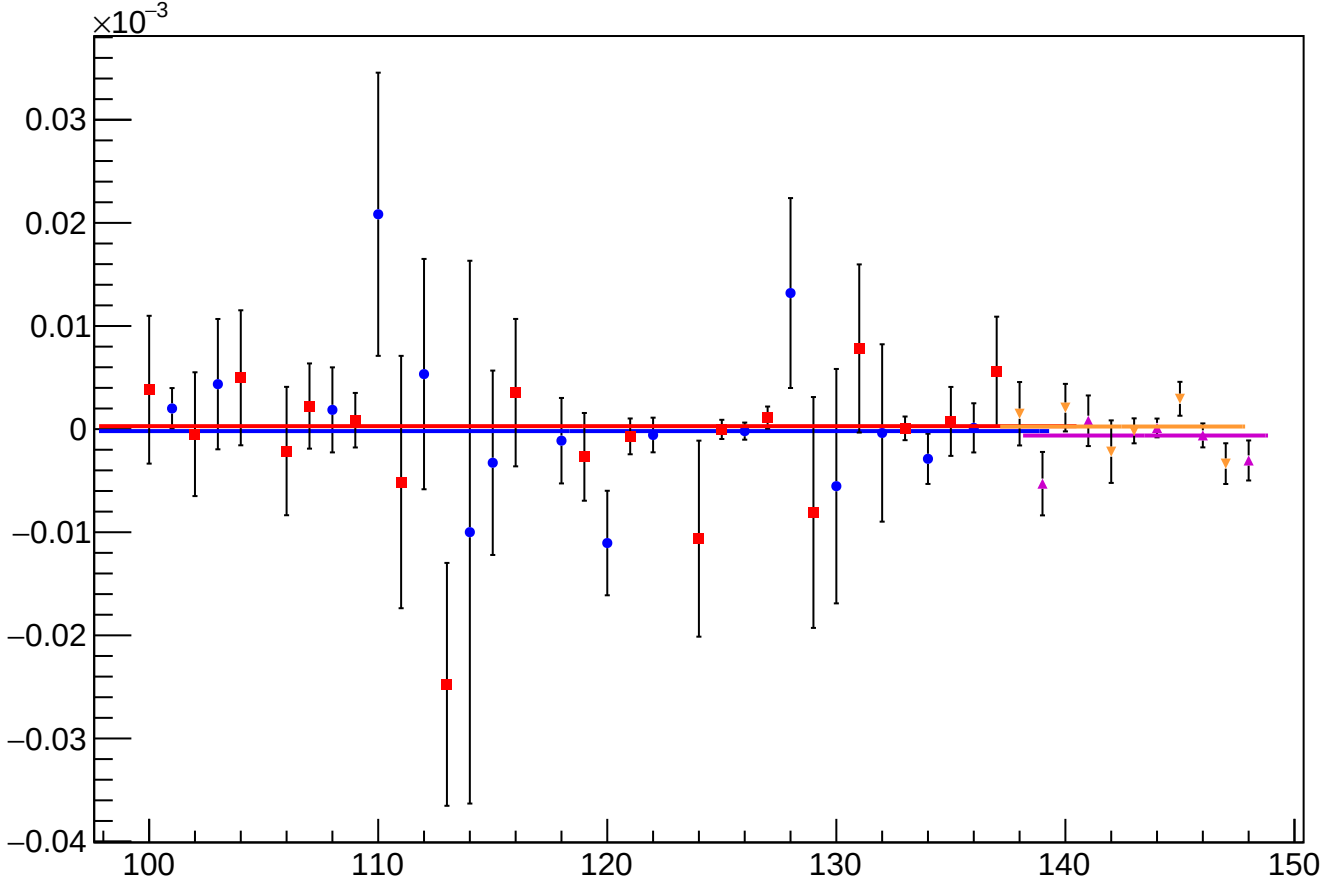
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 29.985+/-0.010 χ²/NDF:263759.1/5
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 30.376+/-0.011 χ²/NDF:288019.5/4
+ sign 30.102+/-0.007 χ²/NDF: 1951358.7/21
All: 29.949+/-0.005 χ²/NDF: 4093655.2/45
- sign 29.797+/-0.007 χ²/NDF: 2141232.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/5

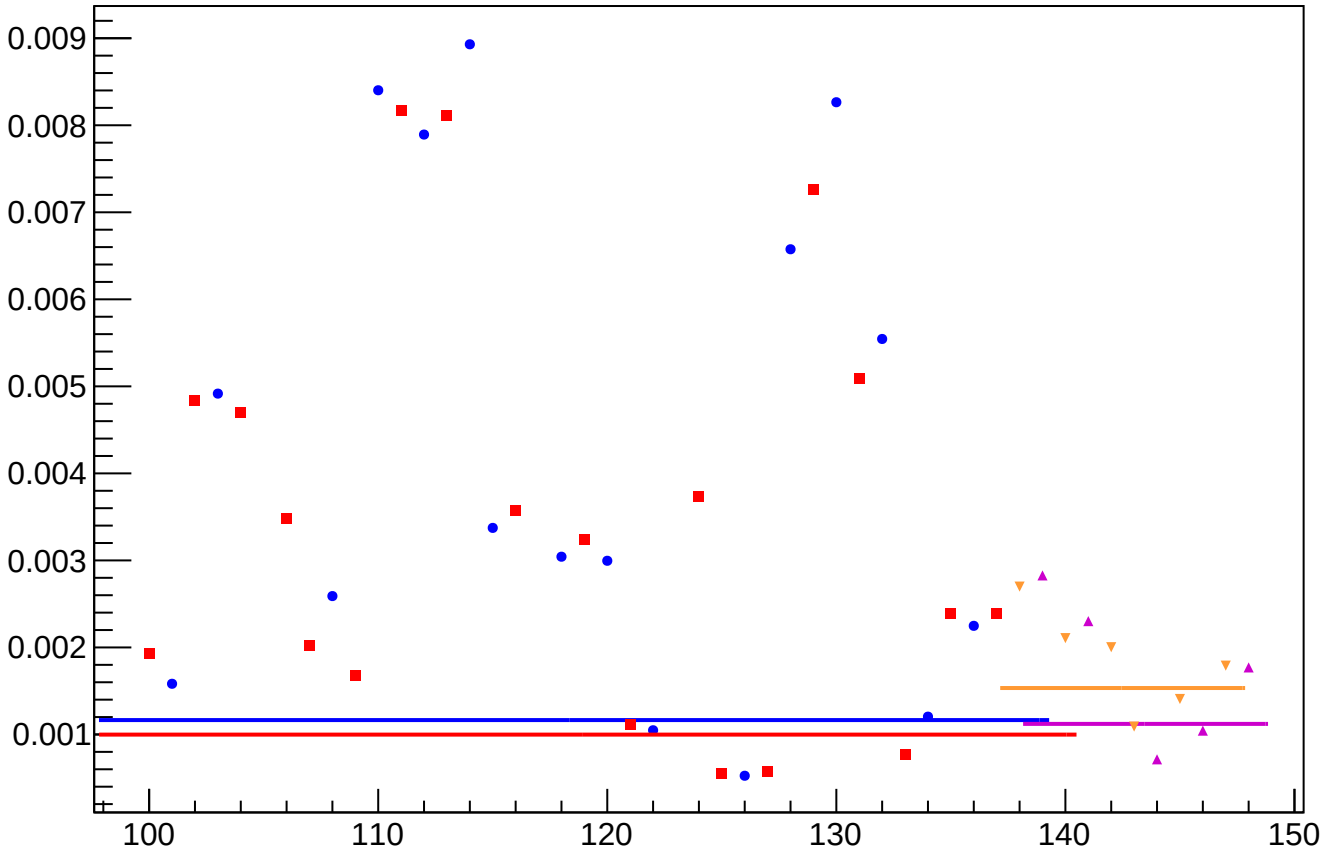
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/21

All: -0.000+/-0.000 χ^2/NDF: 38.4/45

- sign -0.000+/-0.000 χ^2/NDF: 17.5/23



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:771706.6/5

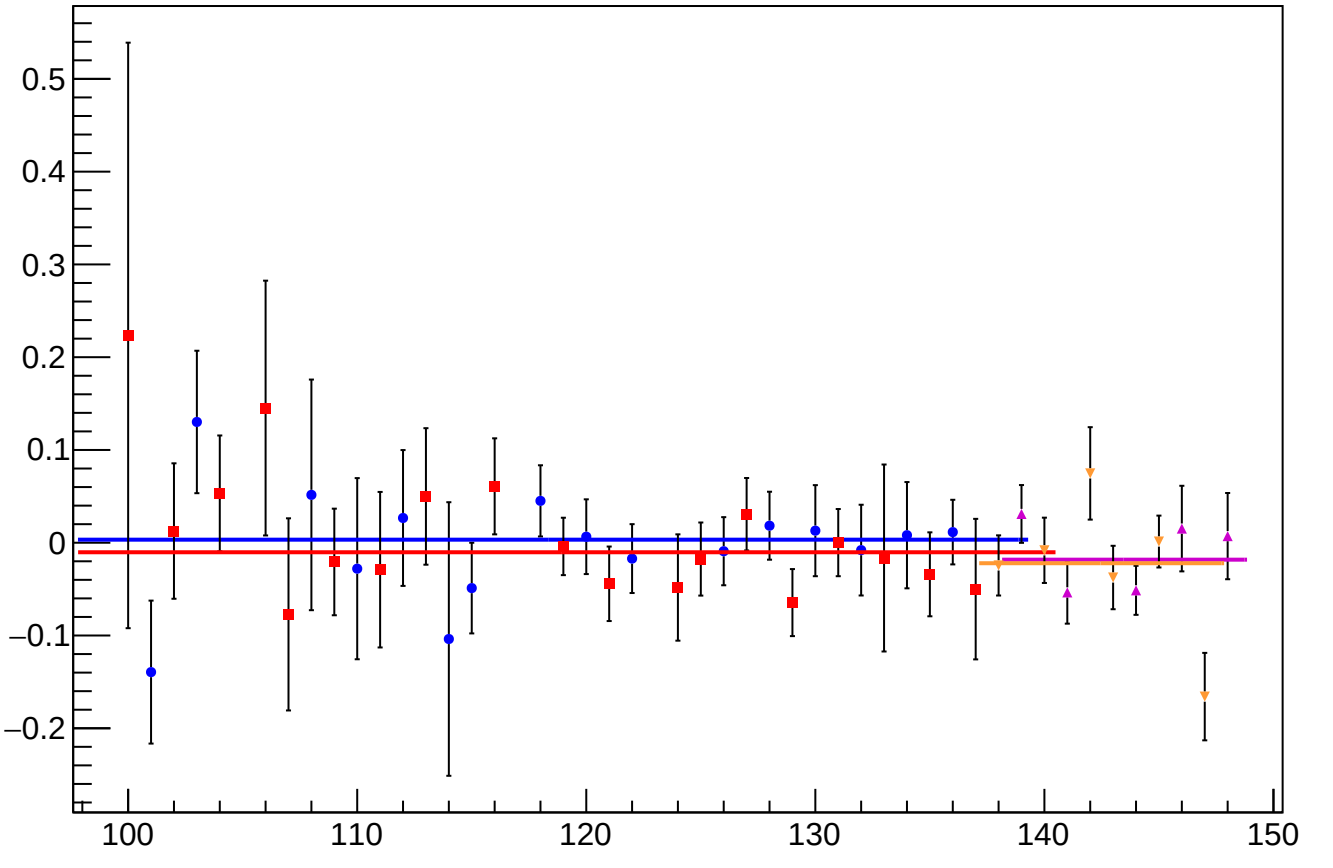
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1710211.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 7935495.1/21

All: 0.001+/-0.000 χ^2/NDF: 16977413.4/45

- sign 0.001+/-0.000 χ^2/NDF: 8692297.5/23



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

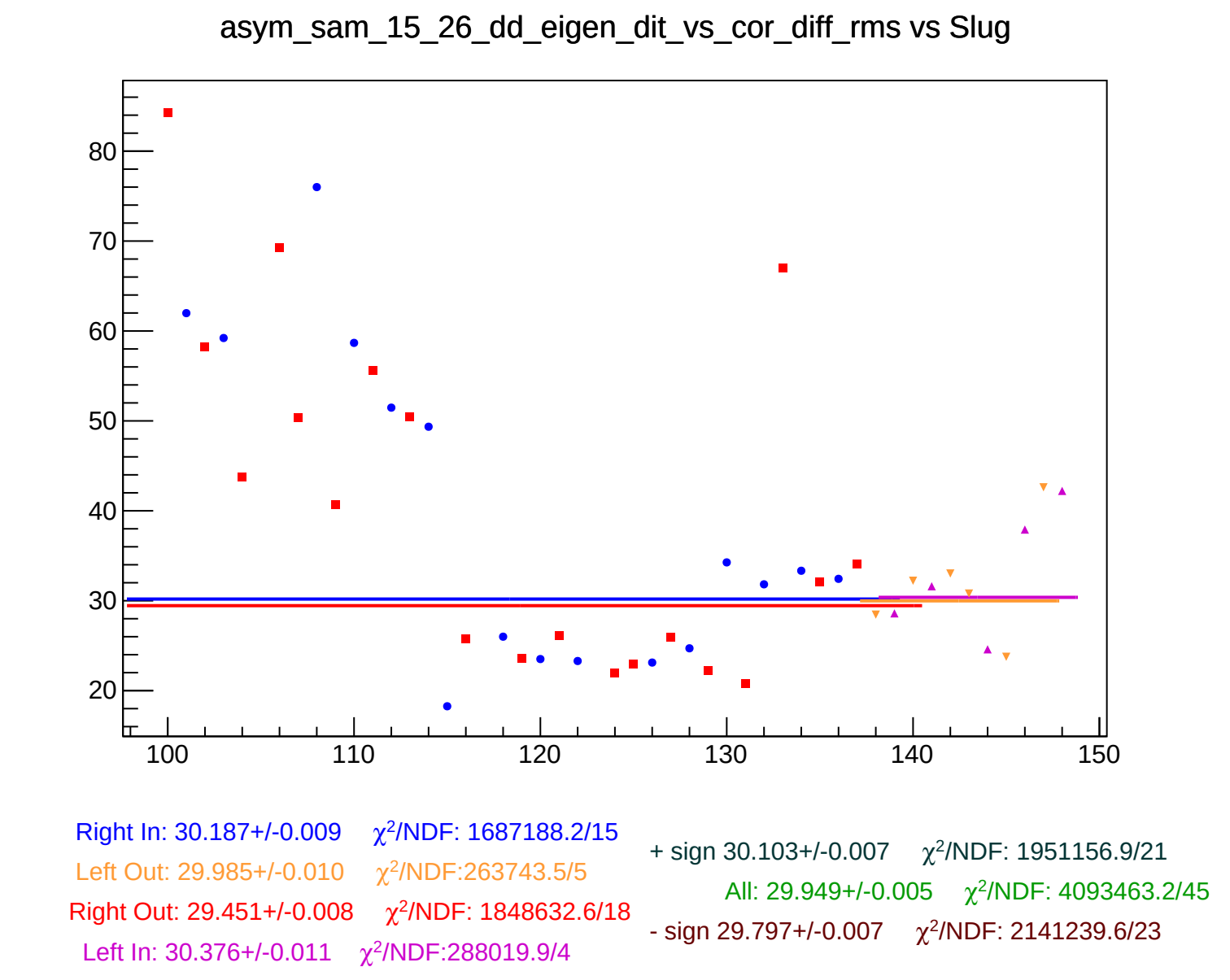
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

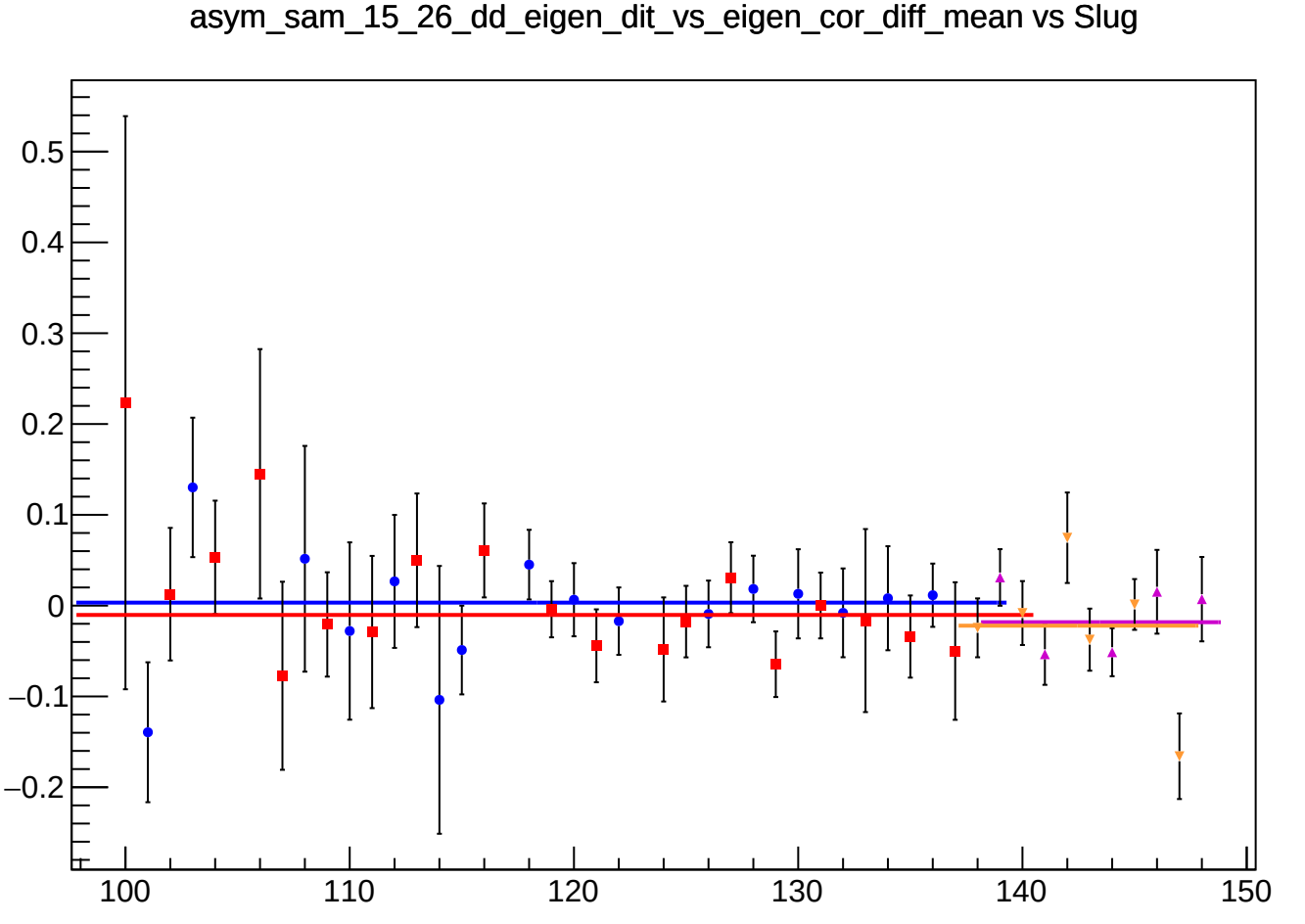
Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.010+/-0.007 χ^2/NDF: 43.7/45

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 29.985+/-0.010 χ²/NDF:263743.5/5
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 30.376+/-0.011 χ²/NDF:288019.9/4
+ sign 30.103+/-0.007 χ²/NDF: 1951156.9/21
All: 29.949+/-0.005 χ²/NDF: 4093463.2/45
- sign 29.797+/-0.007 χ²/NDF: 2141239.6/23



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

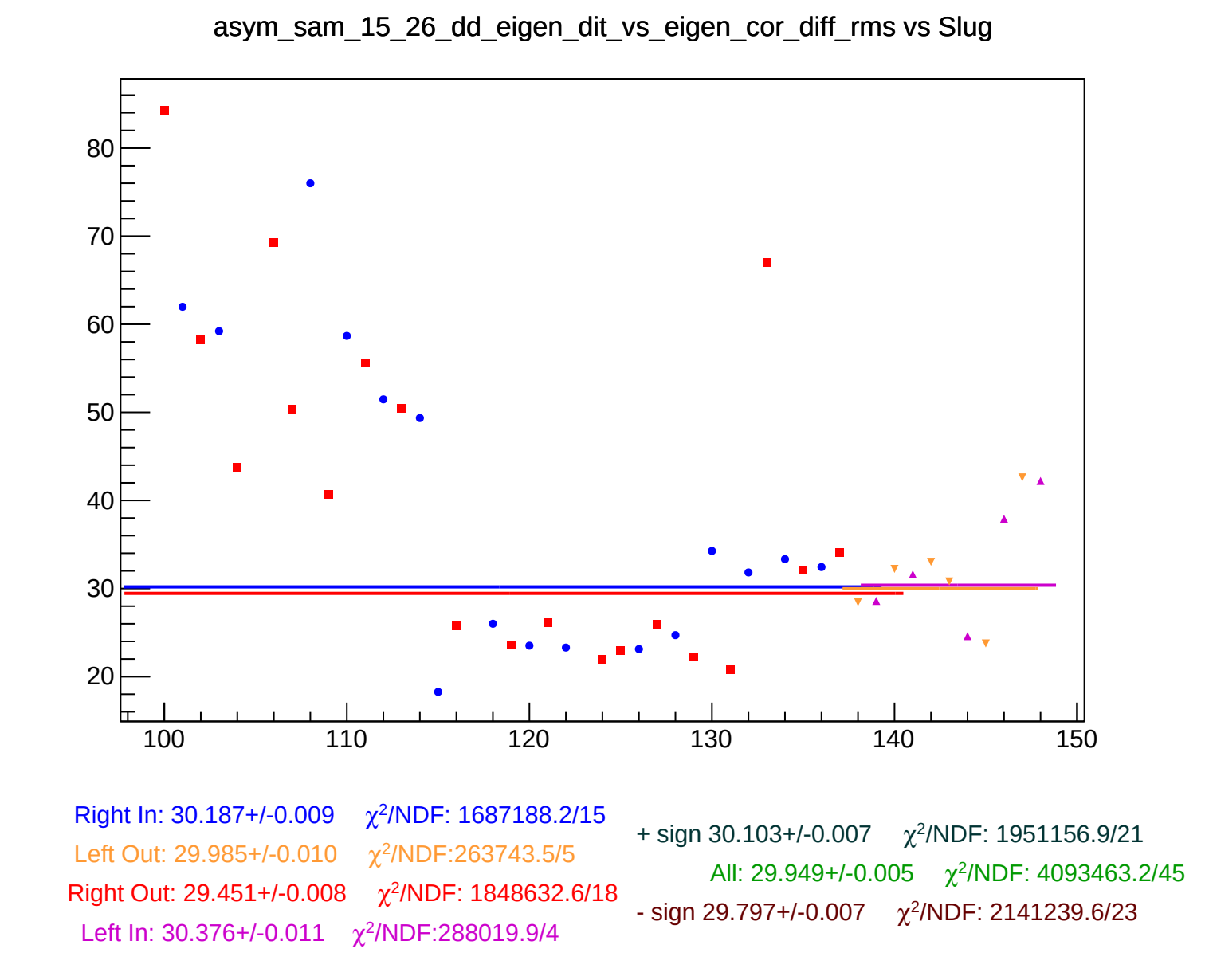
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

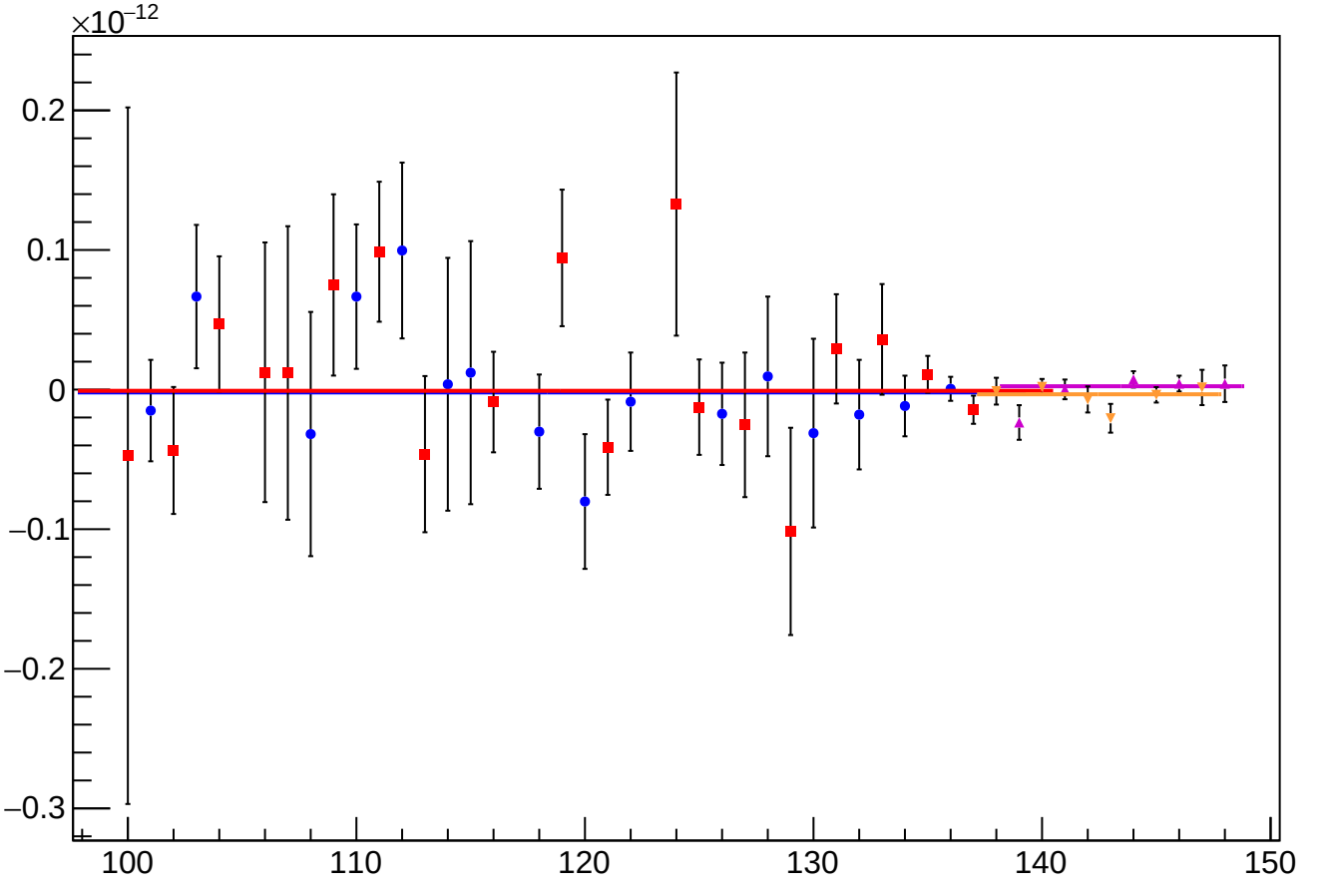
Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.0/21

All: -0.010+/-0.007 χ^2/NDF: 43.7/45

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 29.985+/-0.010 χ²/NDF:263743.5/5
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 30.376+/-0.011 χ²/NDF:288019.9/4
+ sign 30.103+/-0.007 χ²/NDF: 1951156.9/21
All: 29.949+/-0.005 χ²/NDF: 4093463.2/45
- sign 29.797+/-0.007 χ²/NDF: 2141239.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

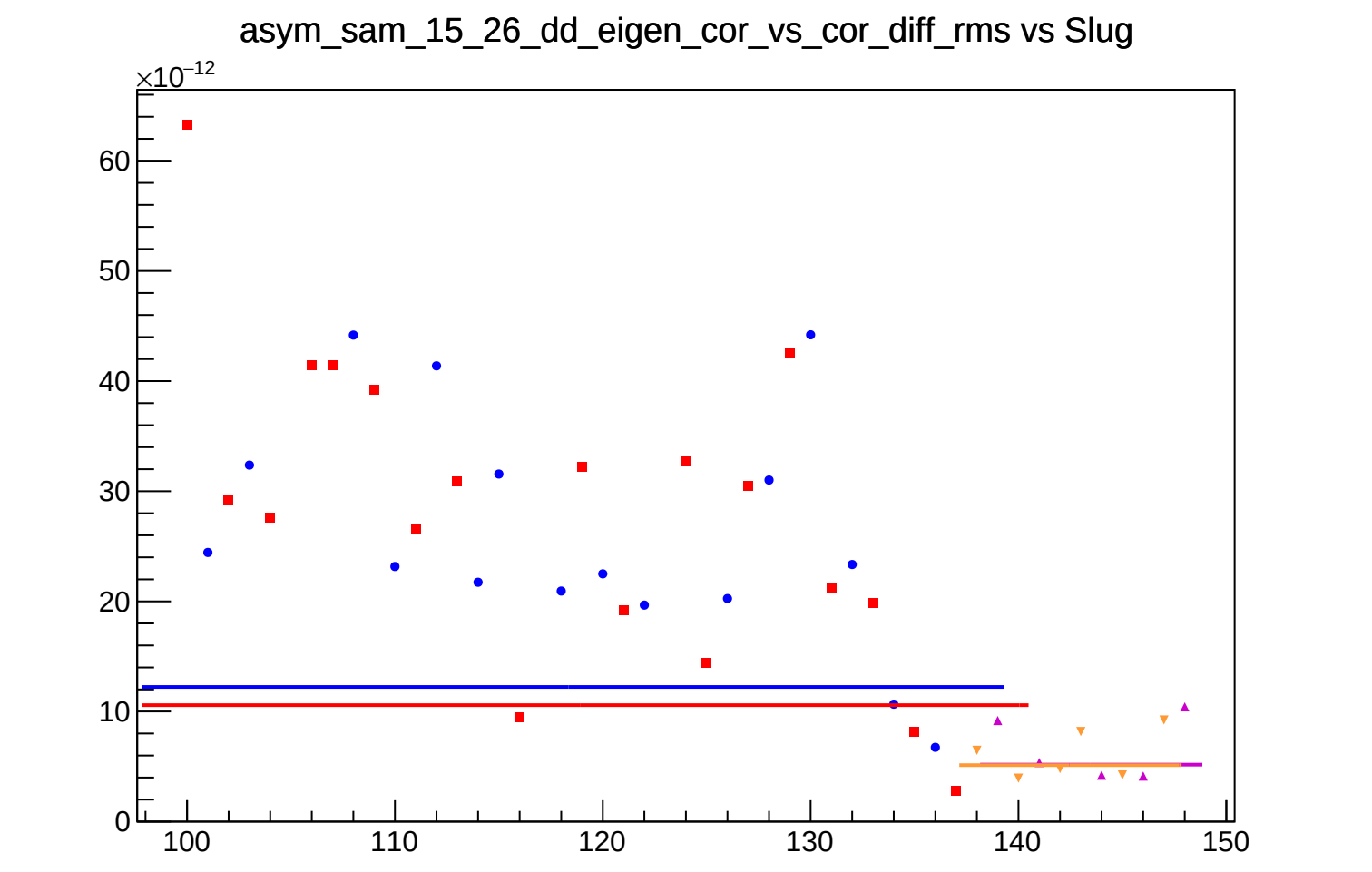
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/21

All: -0.000+/-0.000 χ^2/NDF: 42.8/45

- sign 0.000+/-0.000 χ^2/NDF: 26.9/23



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

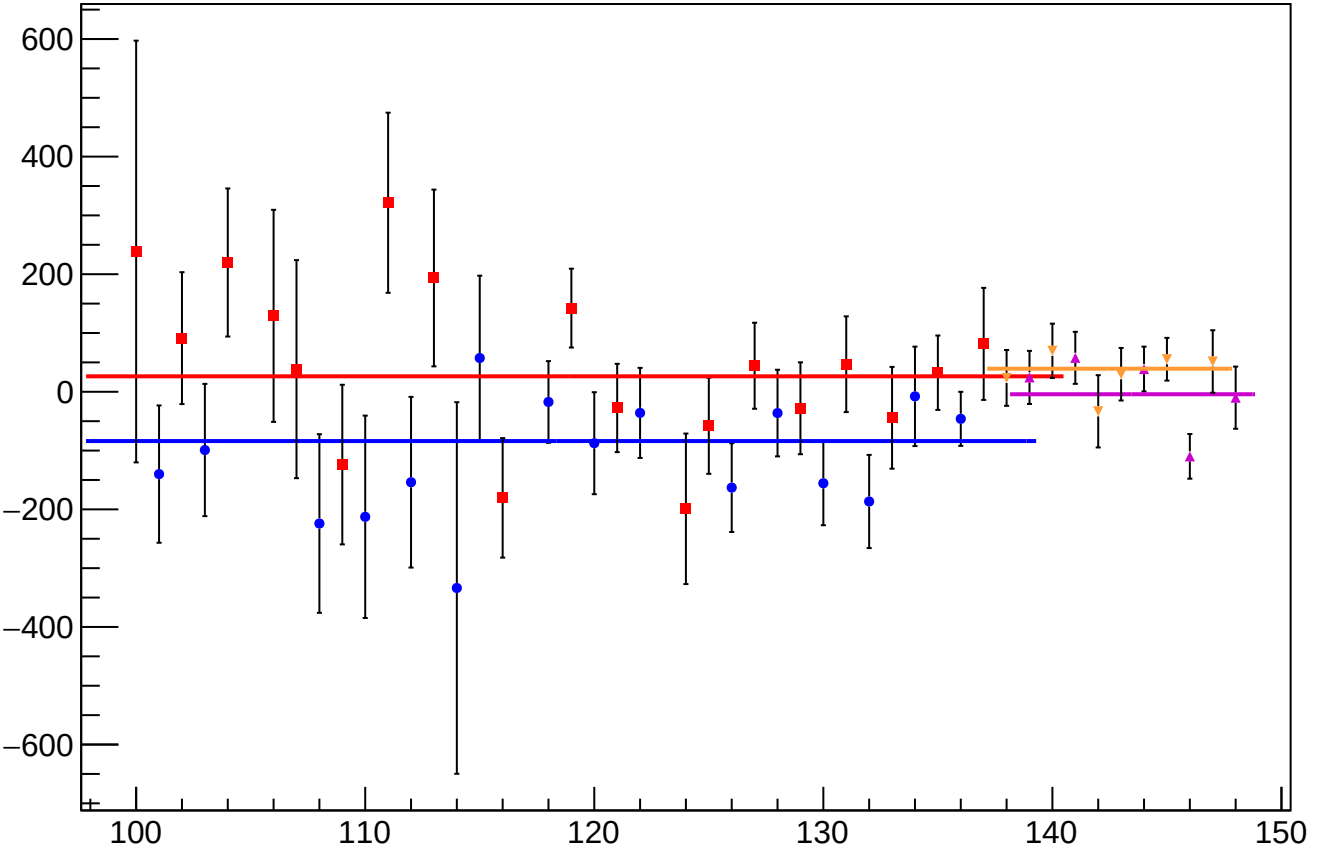
Left In: 0.000+/-0.000 χ^2/NDF:653017.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 5791610.8/21

All: 0.000+/-0.000 χ^2/NDF: 12275149.8/45

- sign 0.000+/-0.000 χ^2/NDF: 6481145.8/23

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

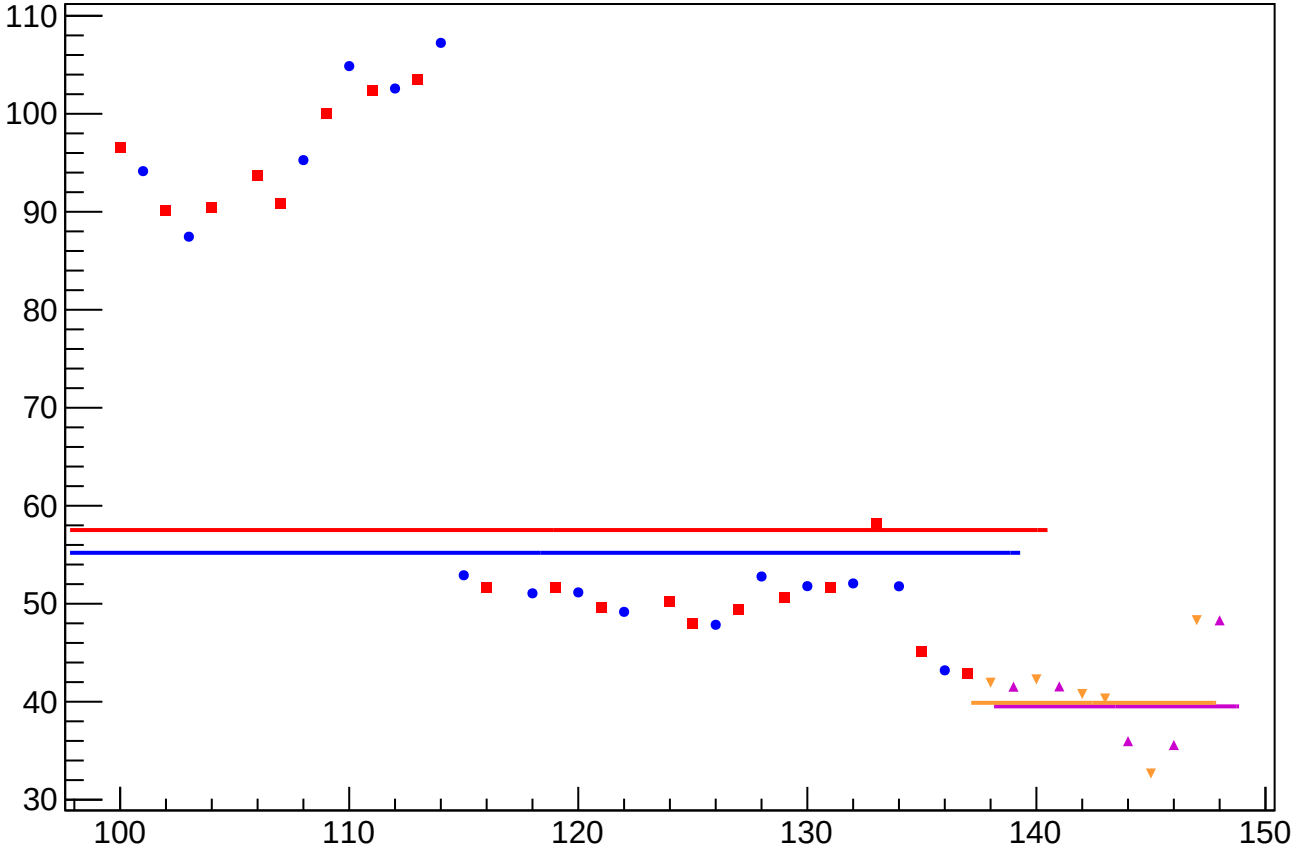
Left In: -4.192+/-19.103 χ^2/NDF:11.4/4

+ sign -14.678+/-14.190 χ^2/NDF: 31.3/21

All: -3.111+/-10.122 χ^2/NDF: 68.1/45

- sign 8.871+/-14.443 χ^2/NDF: 35.4/23

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

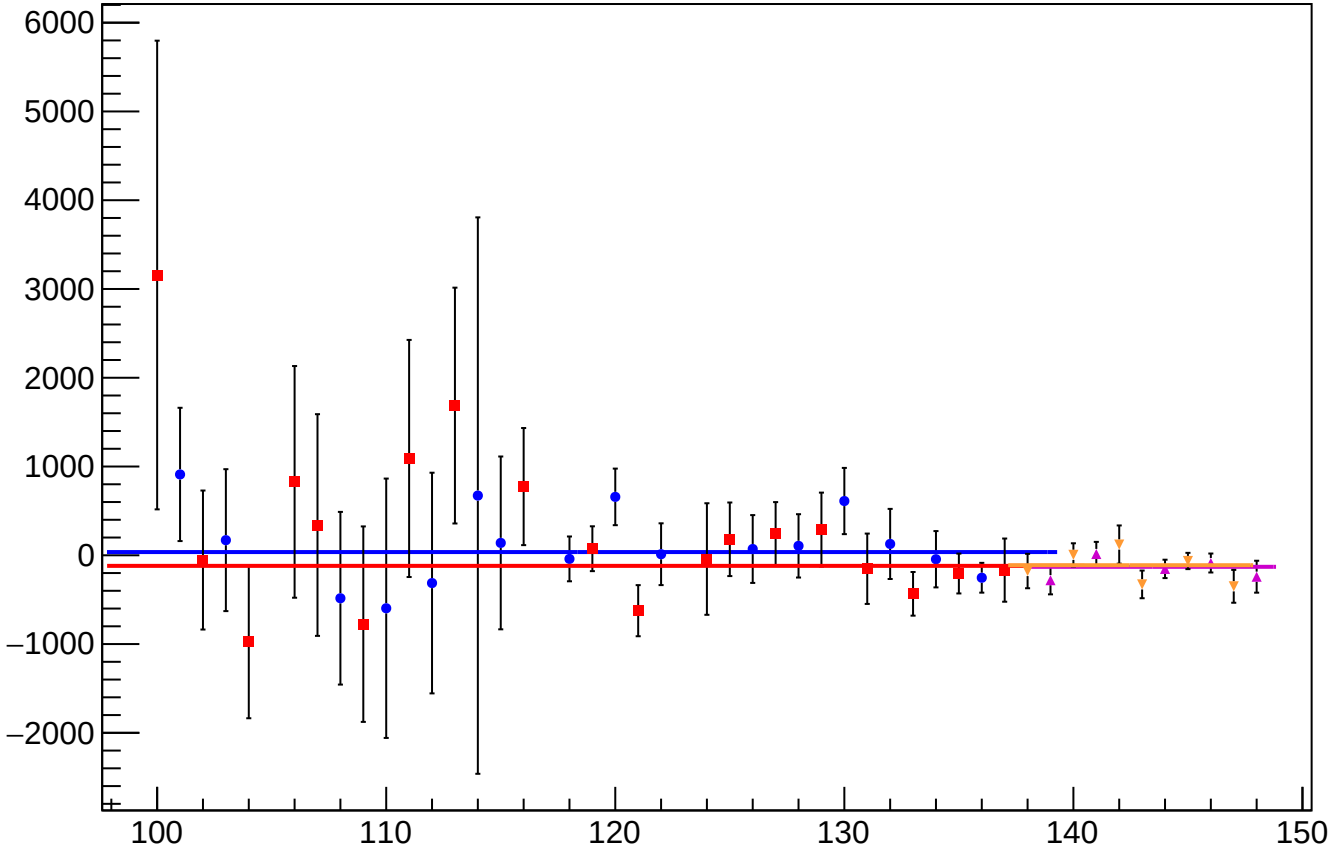
Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.4/21

All: 46.910+/-0.007 χ^2/NDF: 4010834.6/45

- sign 47.234+/-0.010 χ^2/NDF: 2144223.6/23

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

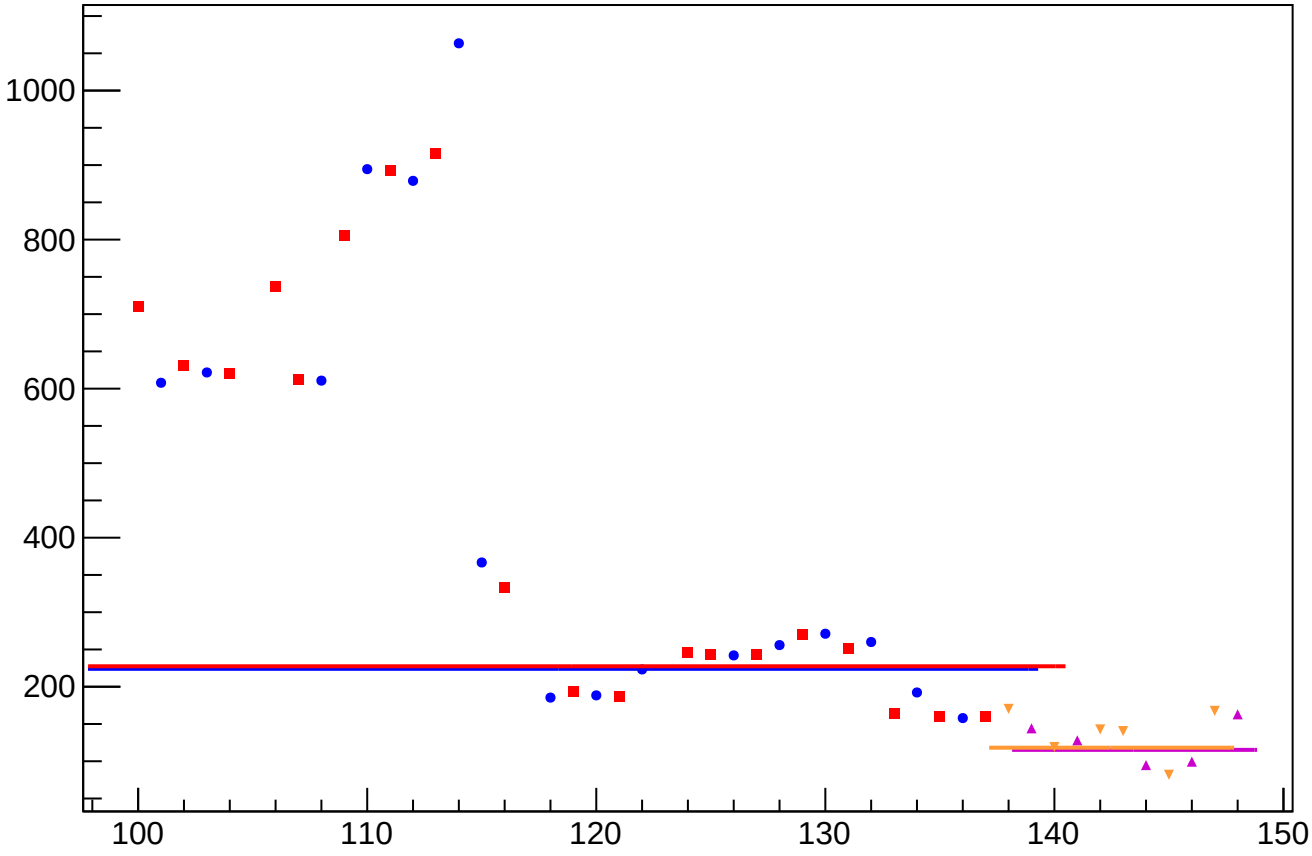
Left In: -129.808+/-57.269 χ^2/NDF:2.6/4

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -98.930+/-34.820 χ^2/NDF: 38.5/45

\- sign -127.007+/-49.160 χ^2/NDF: 18.6/23

asym_sam_37_26_dd_reg_correction_rms vs Slug



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

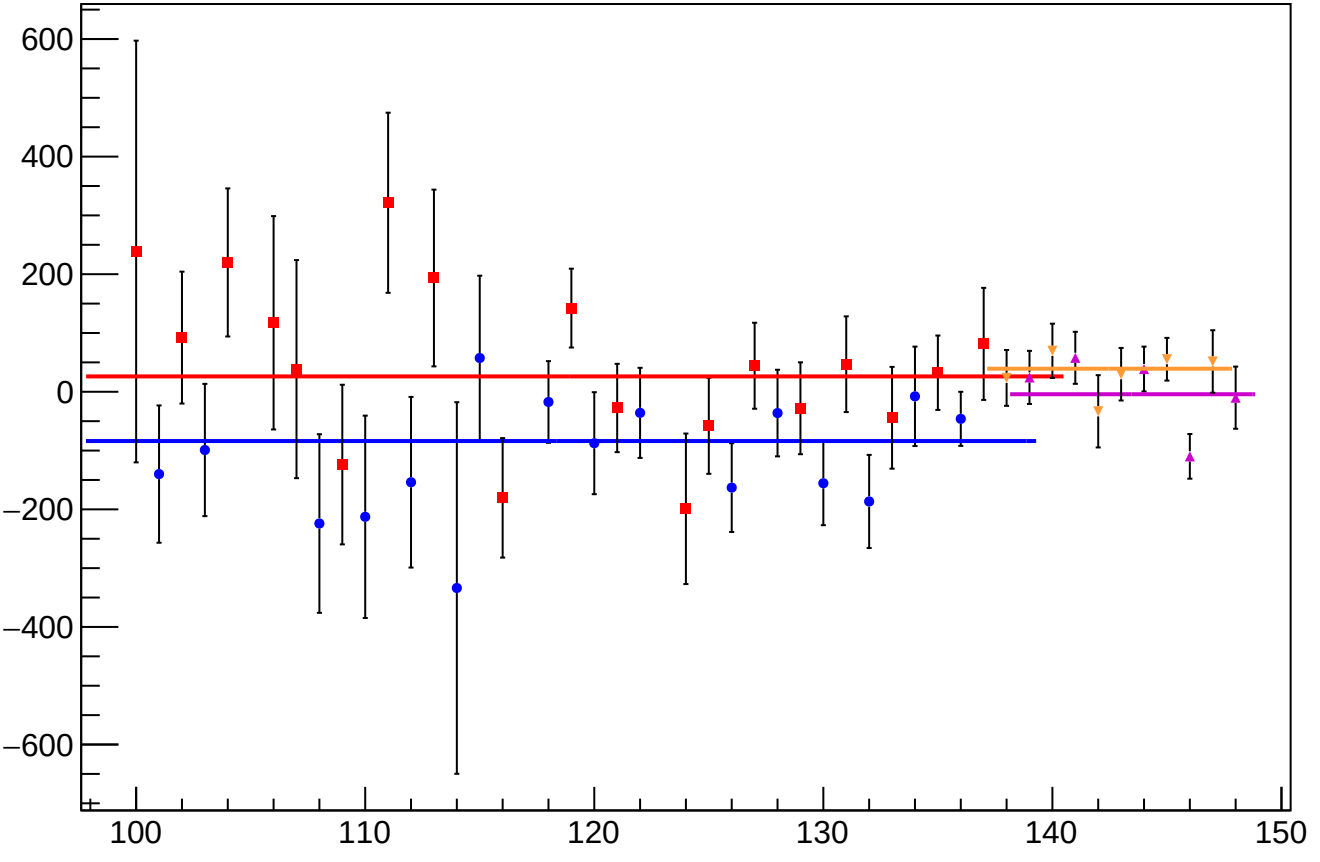
Left In: 115.279+/-0.040 χ^2/NDF:345405.0/4

+ sign 147.617+/-0.035 χ^2/NDF: 5484413.5/21

All: 146.202+/-0.025 χ^2/NDF: 11492778.6/45

- sign 144.796+/-0.035 χ^2/NDF: 6005084.1/23

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

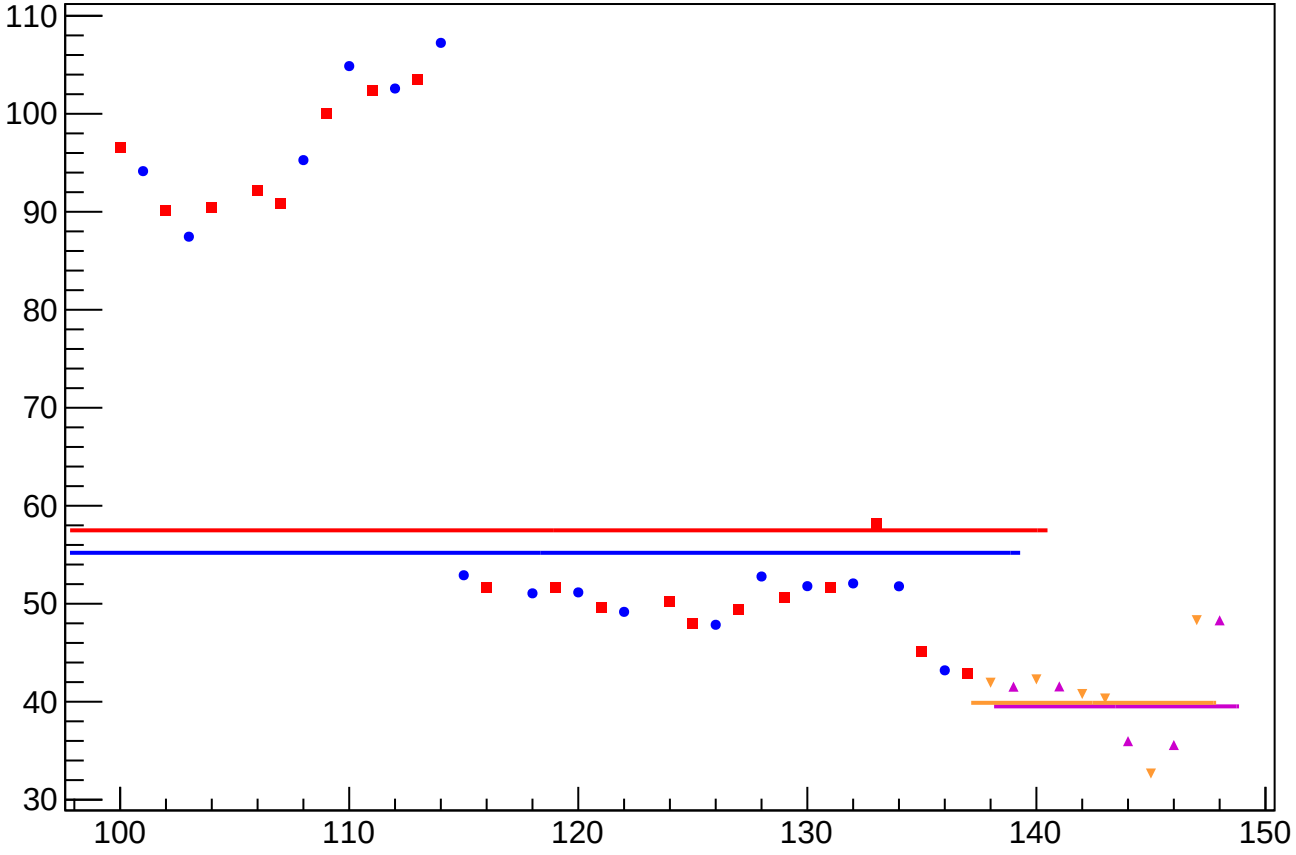
Left In: -4.190+/-19.103 χ^2/NDF:11.4/4

+ sign -14.676+/-14.190 χ^2/NDF: 31.3/21

All: -3.144+/-10.123 χ^2/NDF: 68.0/45

- sign 8.803+/-14.444 χ^2/NDF: 35.4/23

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

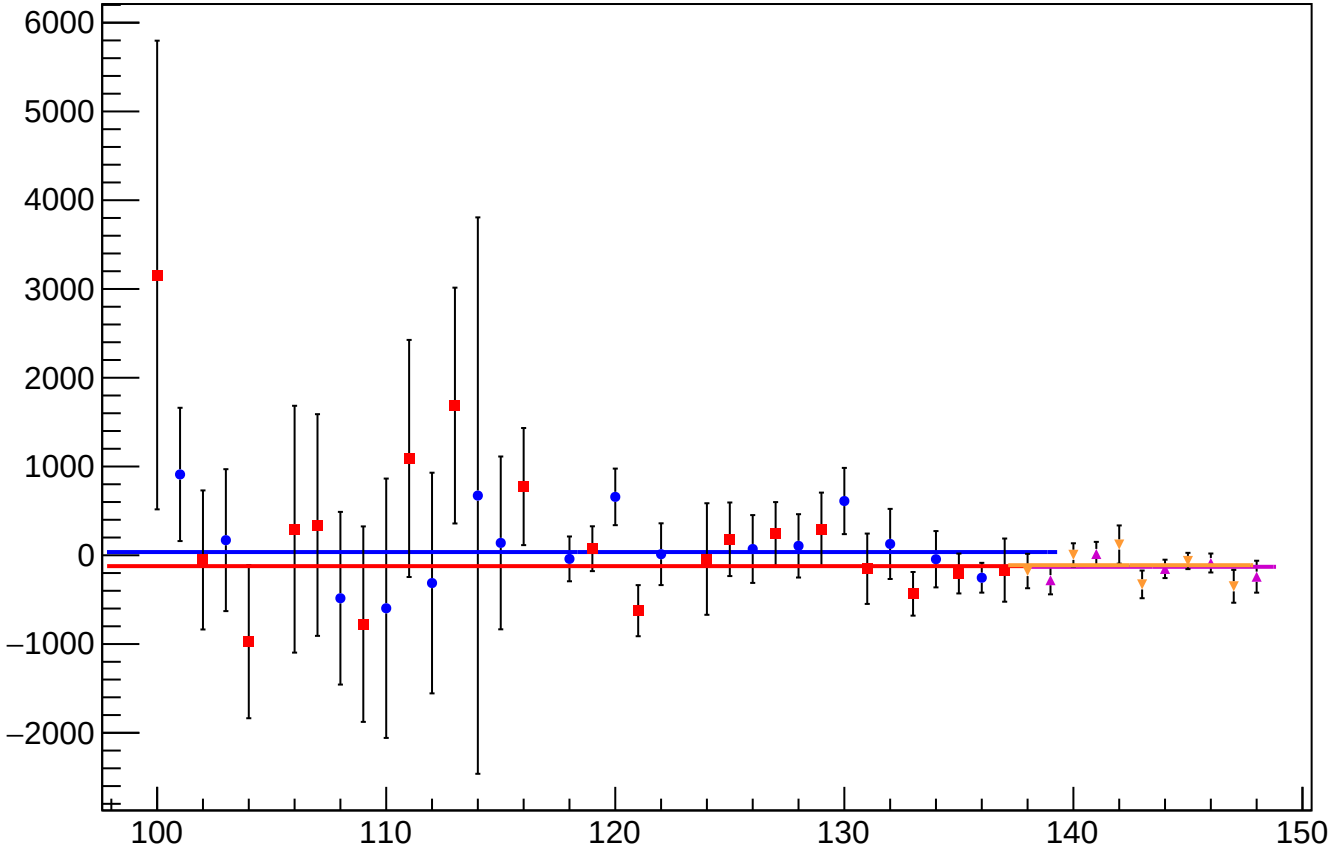
Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.6/21

All: 46.904+/-0.007 χ^2/NDF: 4000827.6/45

- sign 47.220+/-0.010 χ^2/NDF: 2134297.5/23

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

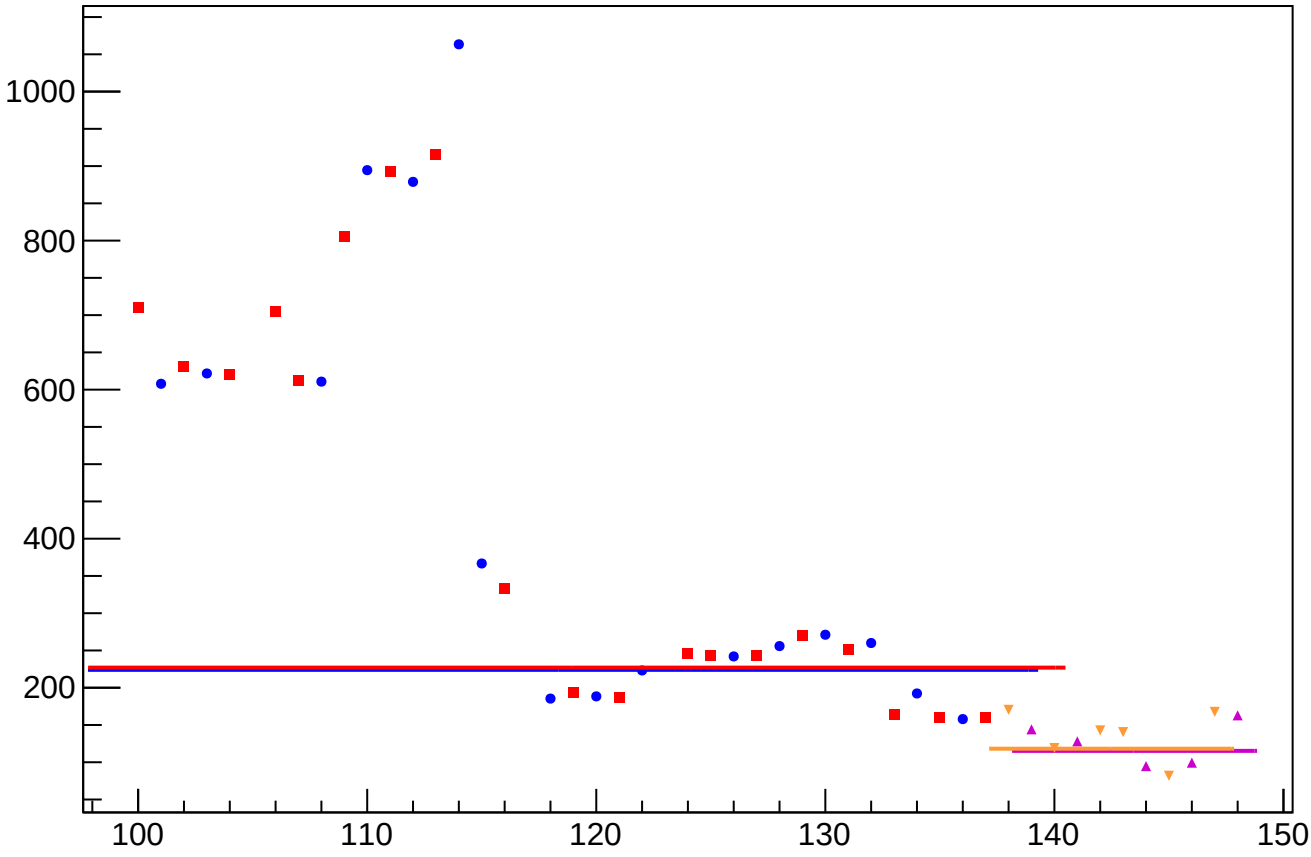
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -129.806+/-57.269 χ^2/NDF:2.6/4

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -99.339+/-34.822 χ^2/NDF: 38.0/45

\- sign -127.829+/-49.164 χ^2/NDF: 18.2/23



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

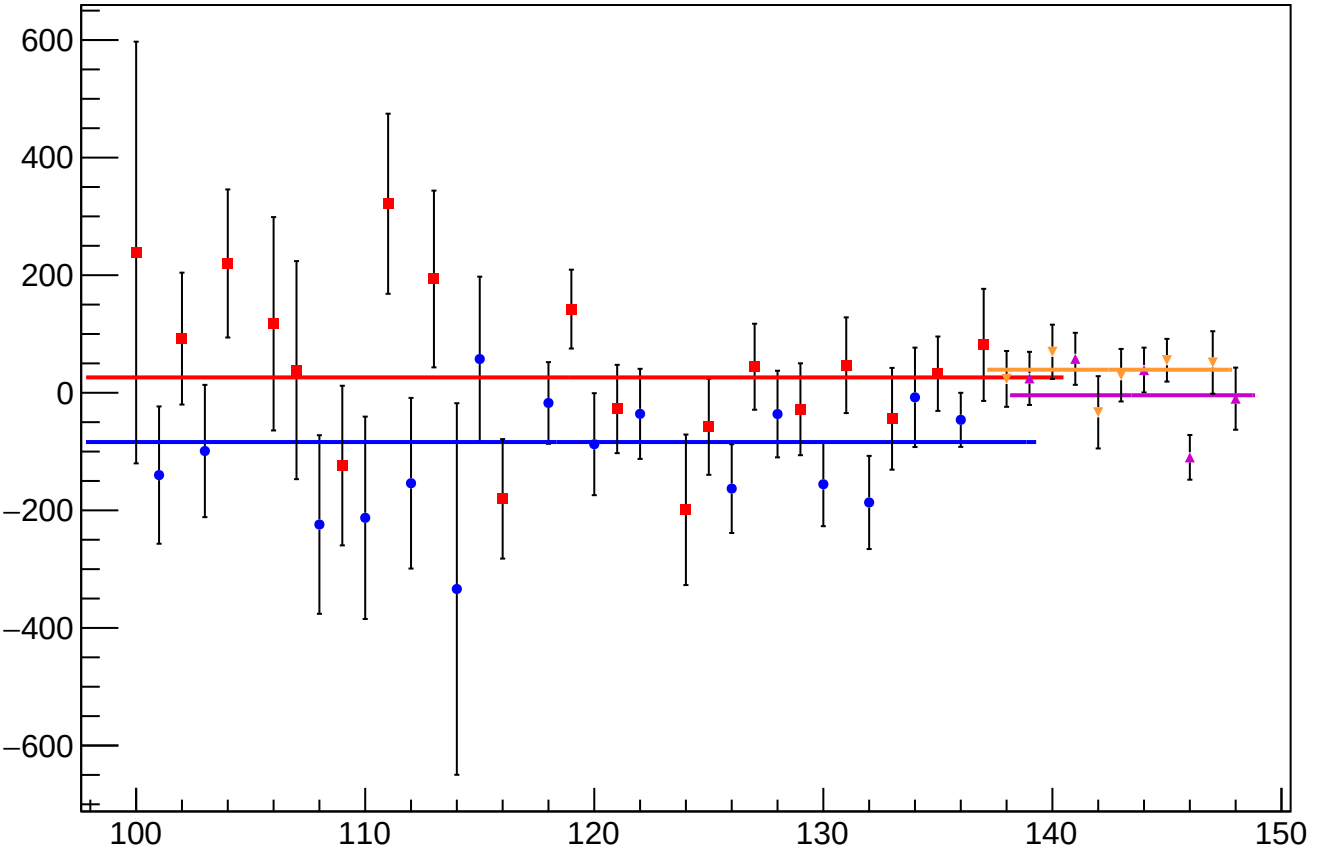
Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

+ sign 147.617+/-0.035 χ^2/NDF: 5484427.8/21

All: 146.131+/-0.025 χ^2/NDF: 11406245.6/45

- sign 144.656+/-0.035 χ^2/NDF: 5918201.9/23

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

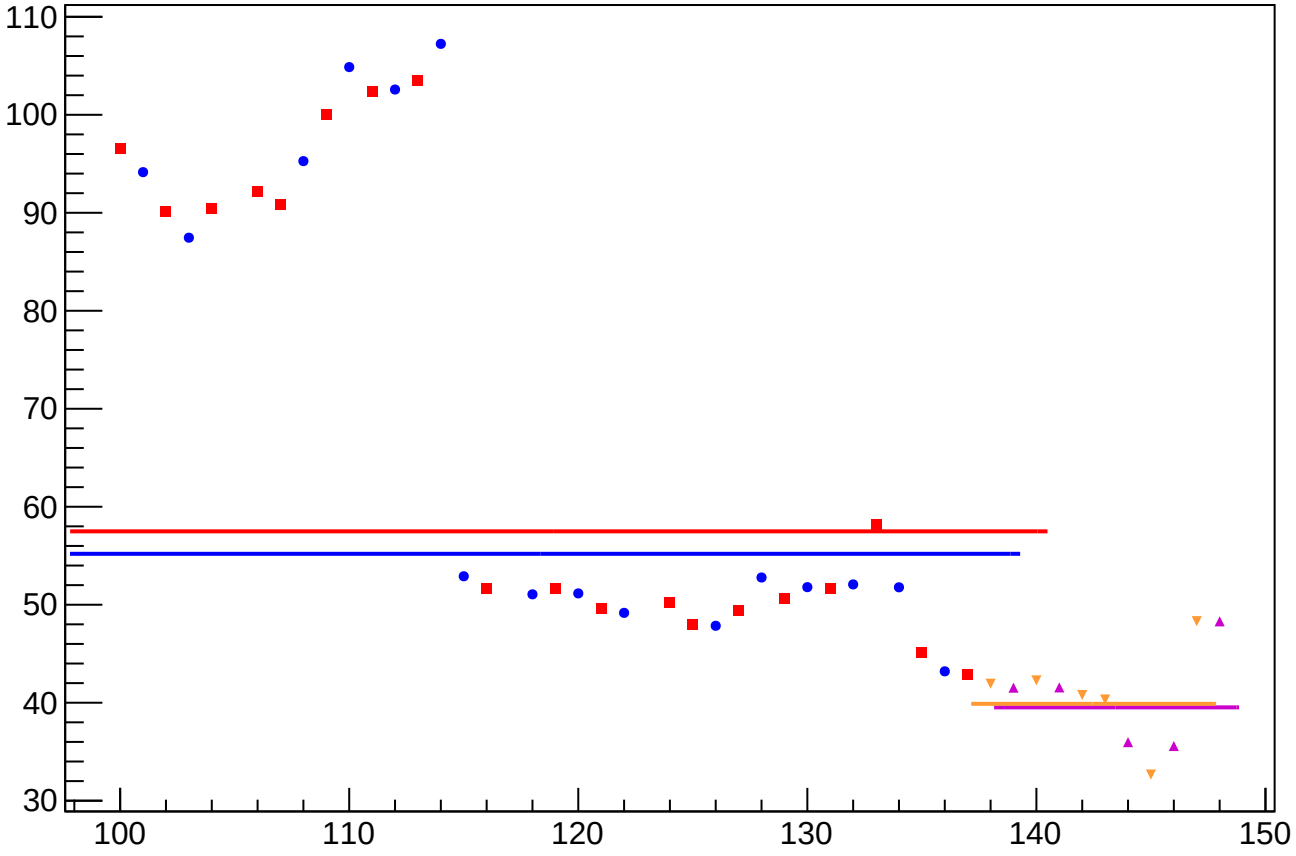
Left In: -4.190+/-19.103 χ^2/NDF:11.4/4

+ sign -14.676+/-14.190 χ^2/NDF: 31.3/21

All: -3.144+/-10.123 χ^2/NDF: 68.0/45

- sign 8.803+/-14.444 χ^2/NDF: 35.4/23

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

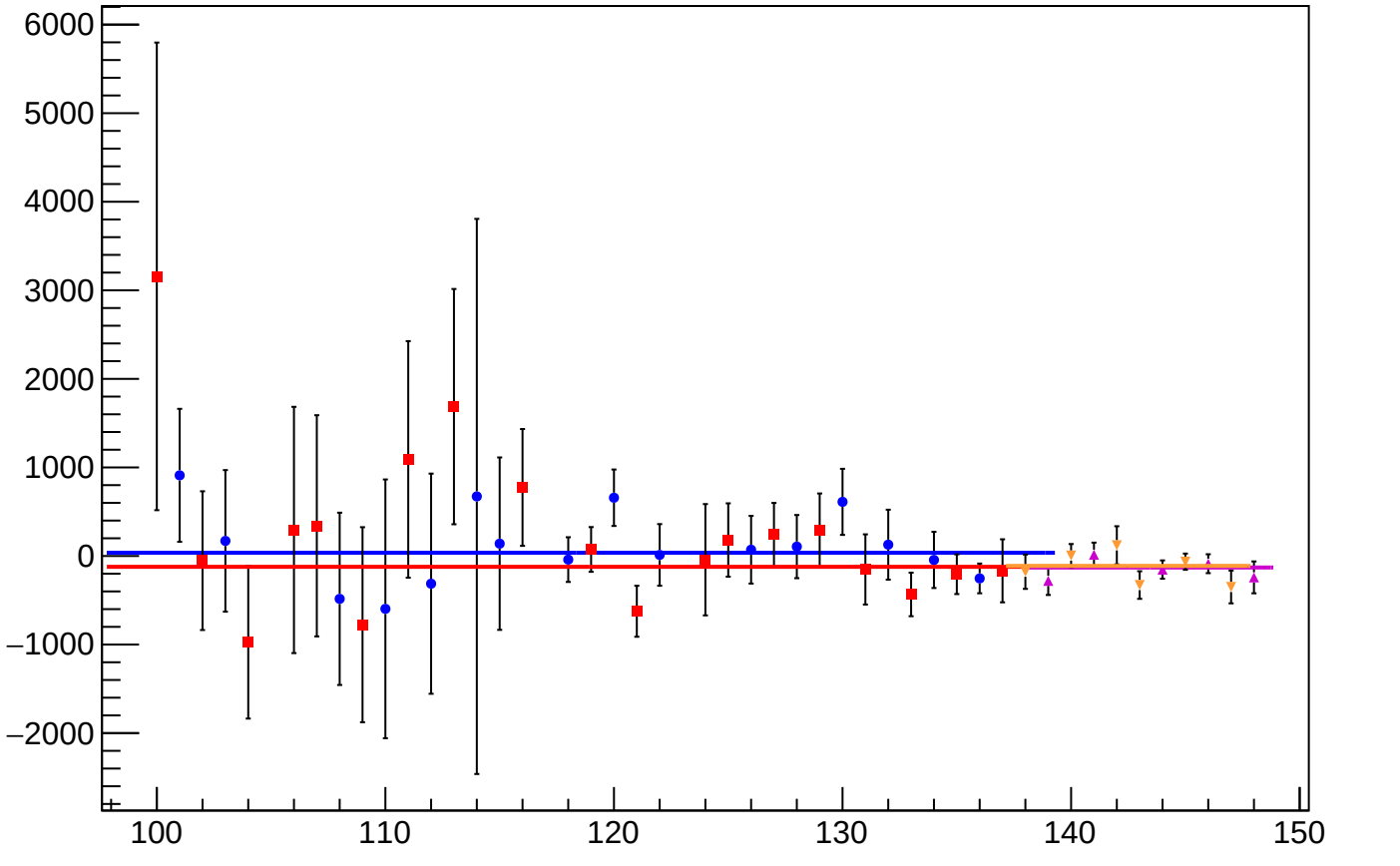
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.598+/-0.010 χ^2/NDF: 1864642.6/21

All: 46.904+/-0.007 χ^2/NDF: 4000827.6/45

- sign 47.220+/-0.010 χ^2/NDF: 2134297.5/23



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

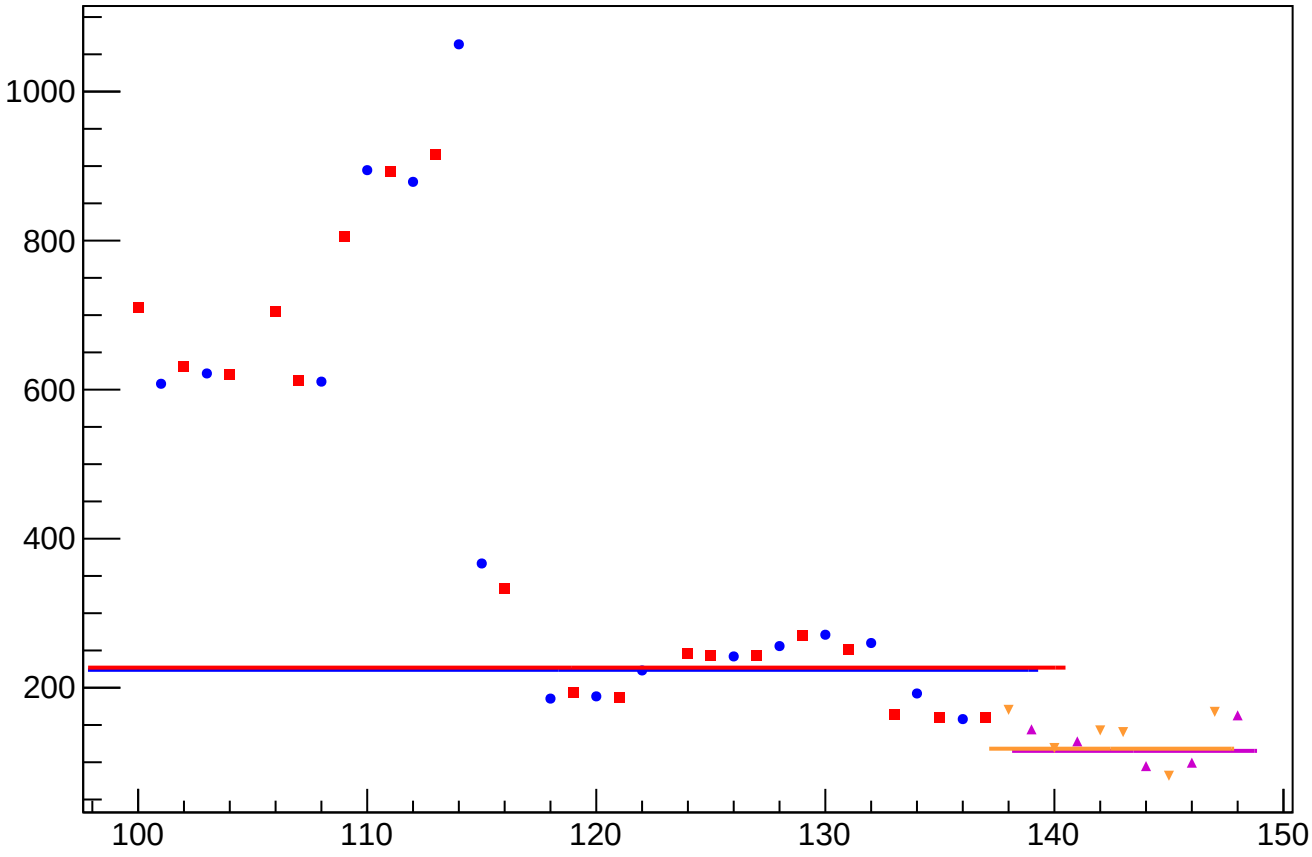
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -129.806+/-57.269 χ^2/NDF:2.6/4

\+ sign -70.662+/-49.327 χ^2/NDF: 19.2/21

All: -99.339+/-34.822 χ^2/NDF: 38.0/45

\- sign -127.829+/-49.164 χ^2/NDF: 18.2/23



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

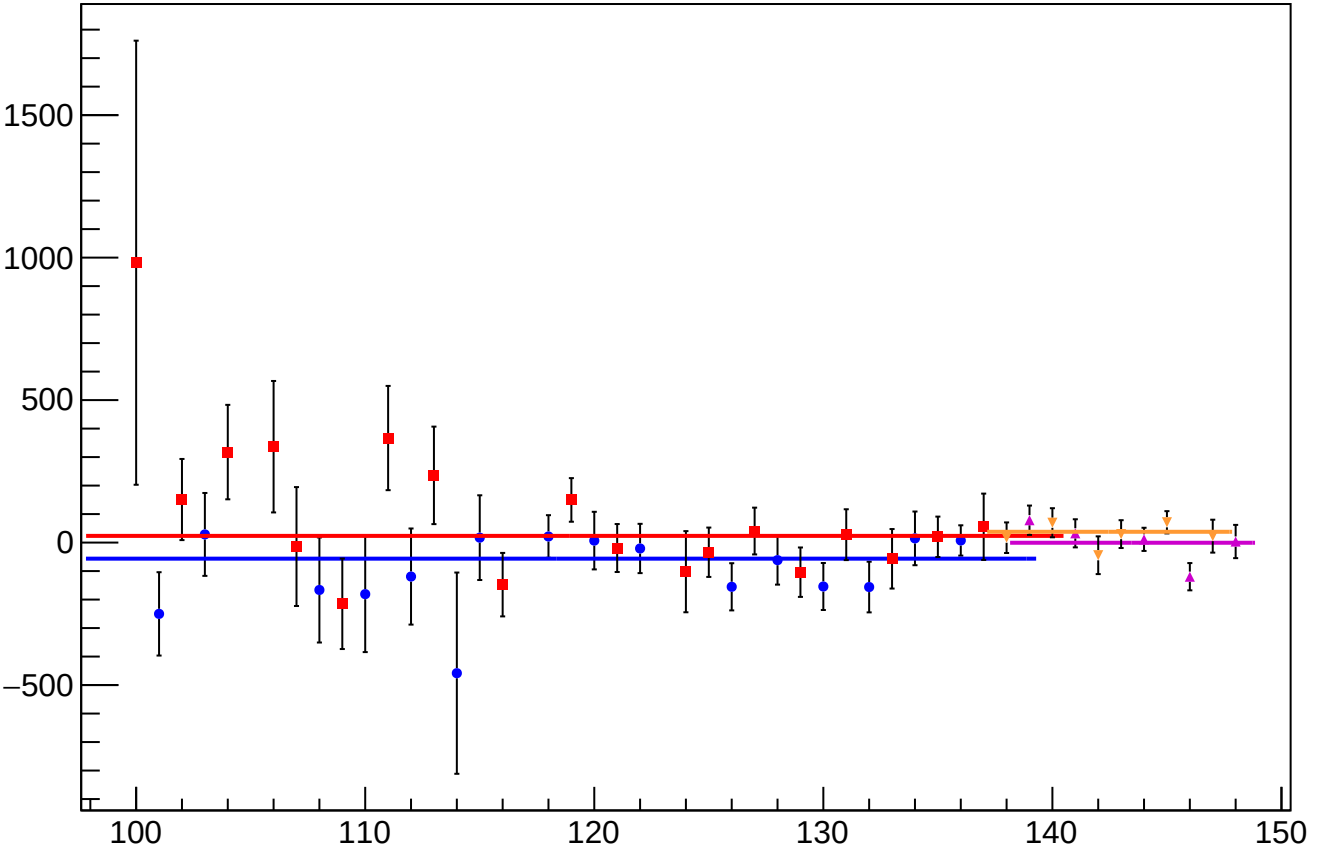
Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

+ sign 147.617+/-0.035 χ^2/NDF: 5484427.8/21

All: 146.131+/-0.025 χ^2/NDF: 11406245.6/45

- sign 144.656+/-0.035 χ^2/NDF: 5918201.9/23

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

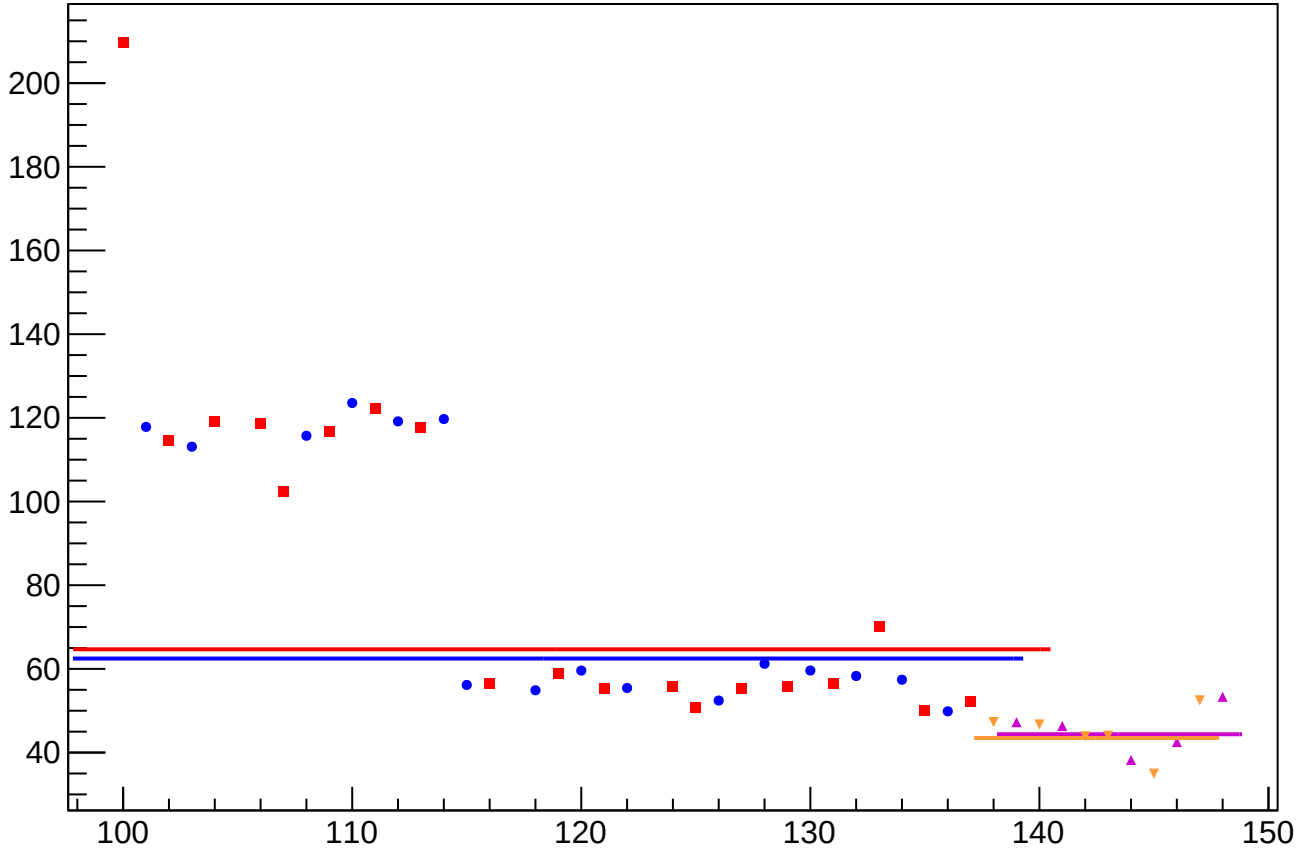
Left In: -0.612+/-21.693 χ^2/NDF:9.1/4

+ sign -1.426+/-15.810 χ^2/NDF: 23.8/21

All: 3.907+/-11.392 χ^2/NDF: 57.8/45

- sign 9.667+/-16.429 χ^2/NDF: 33.7/23

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

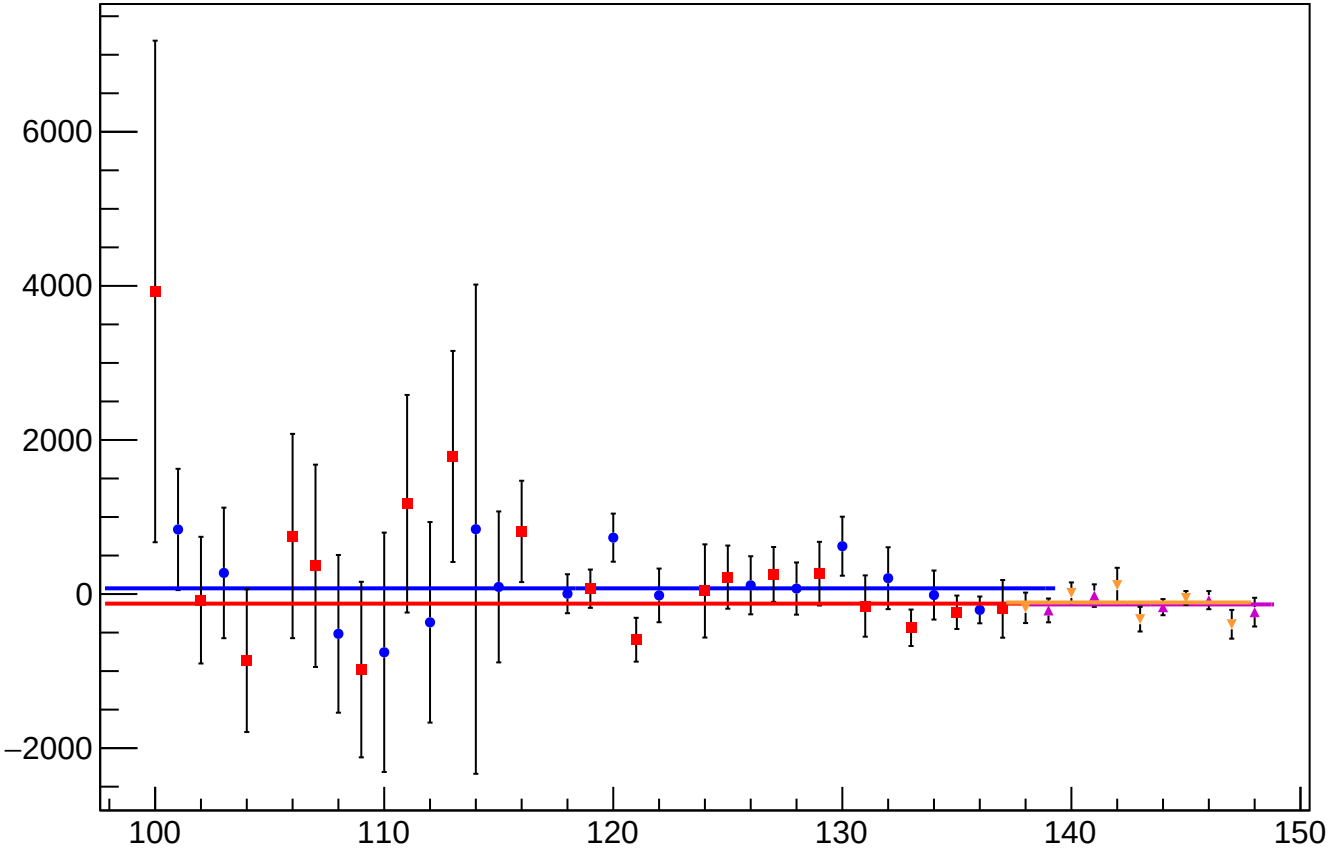
Left In: 44.377+/-0.015 χ^2/NDF:105436.7/4

+ sign 51.401+/-0.011 χ^2/NDF: 2211681.0/21

All: 52.186+/-0.008 χ^2/NDF: 4664876.0/45

- sign 53.034+/-0.012 χ^2/NDF: 2442931.3/23

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

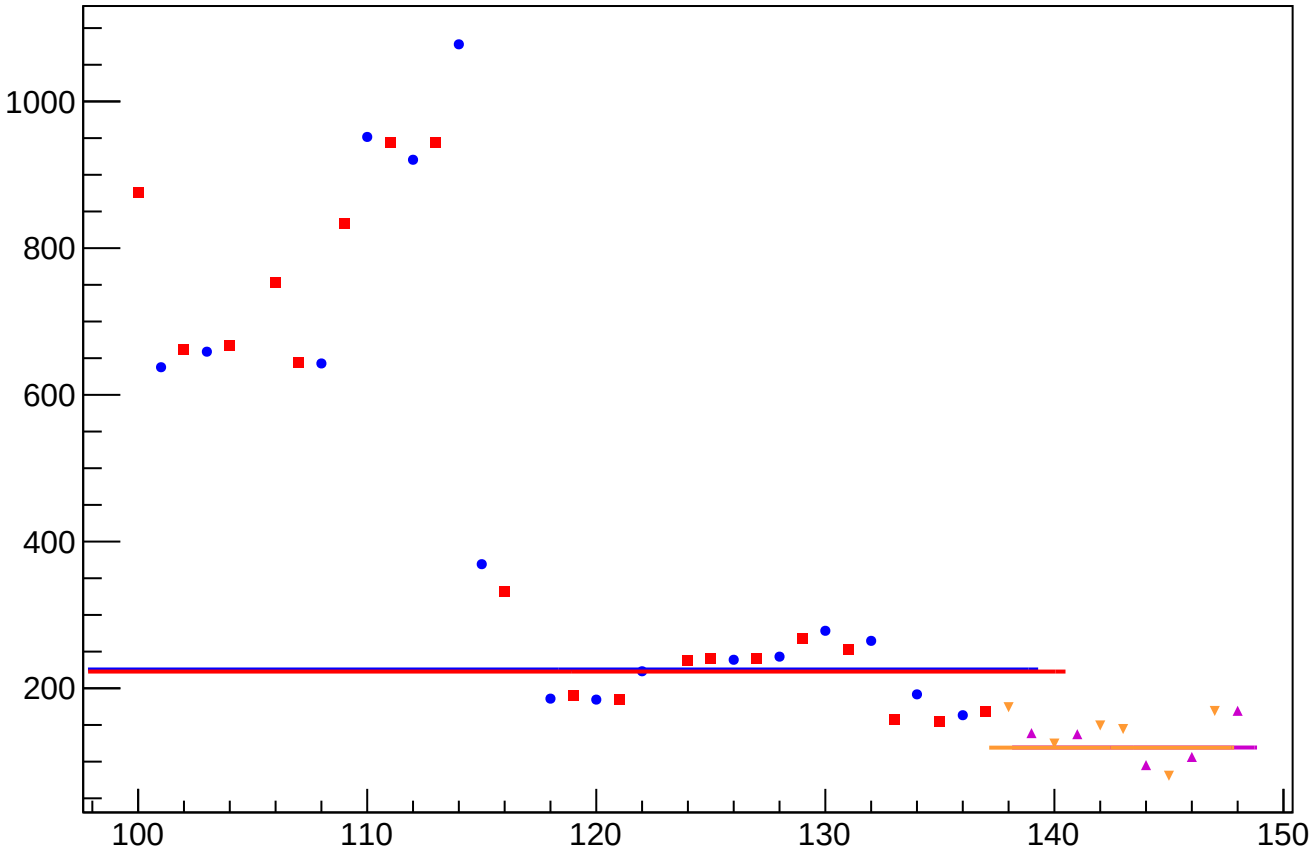
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -134.622+/-59.651 χ^2/NDF:1.5/4

+ sign -58.161+/-49.857 χ^2/NDF: 20.4/21

All: -94.464+/-35.468 χ^2/NDF: 39.3/45

- sign -131.661+/-50.467 χ^2/NDF: 17.8/23



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

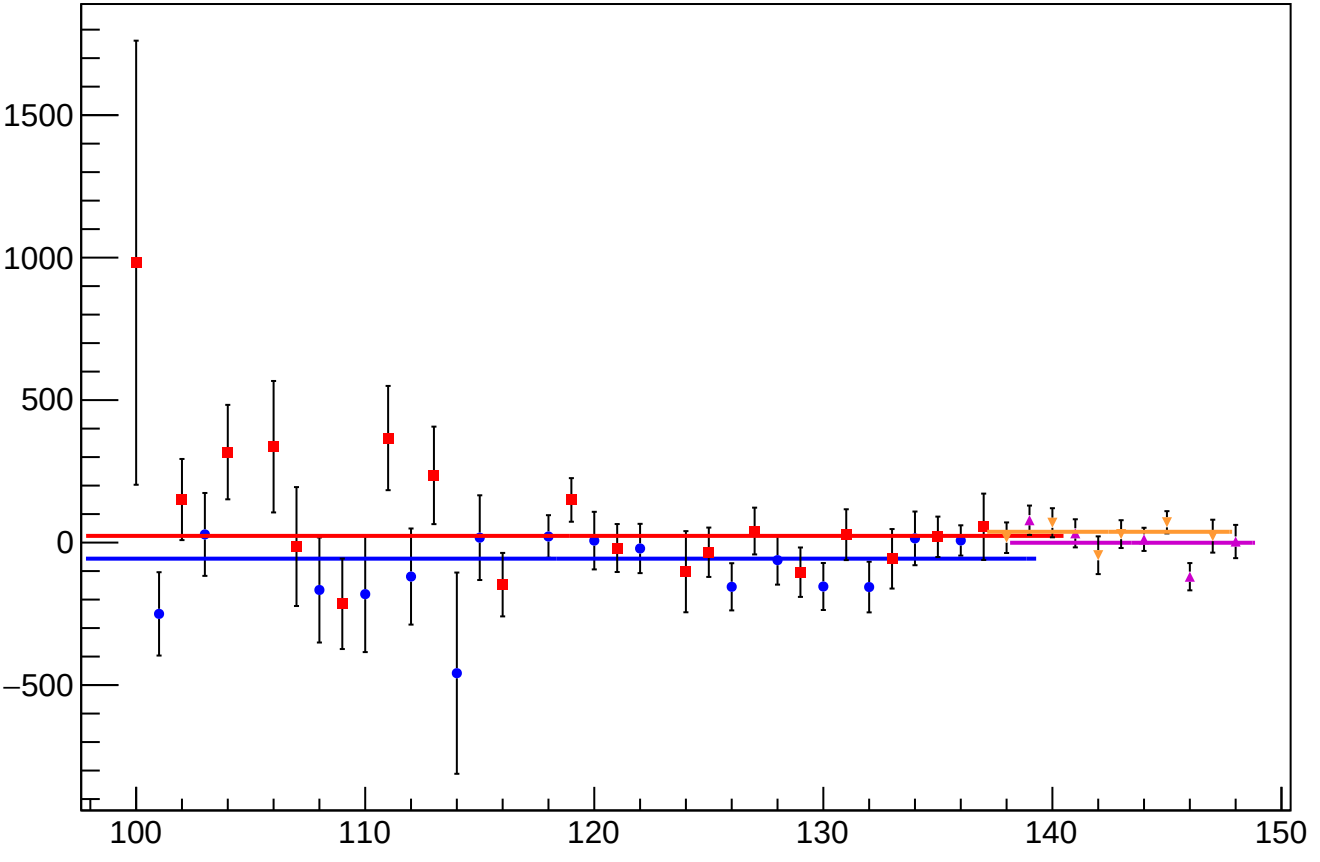
Left In: 119.249+/-0.042 χ^2/NDF:336311.2/4

+ sign 148.739+/-0.035 χ^2/NDF: 5610890.9/21

All: 148.707+/-0.025 χ^2/NDF: 11507856.9/45

- sign 148.675+/-0.036 χ^2/NDF: 5896964.4/23

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

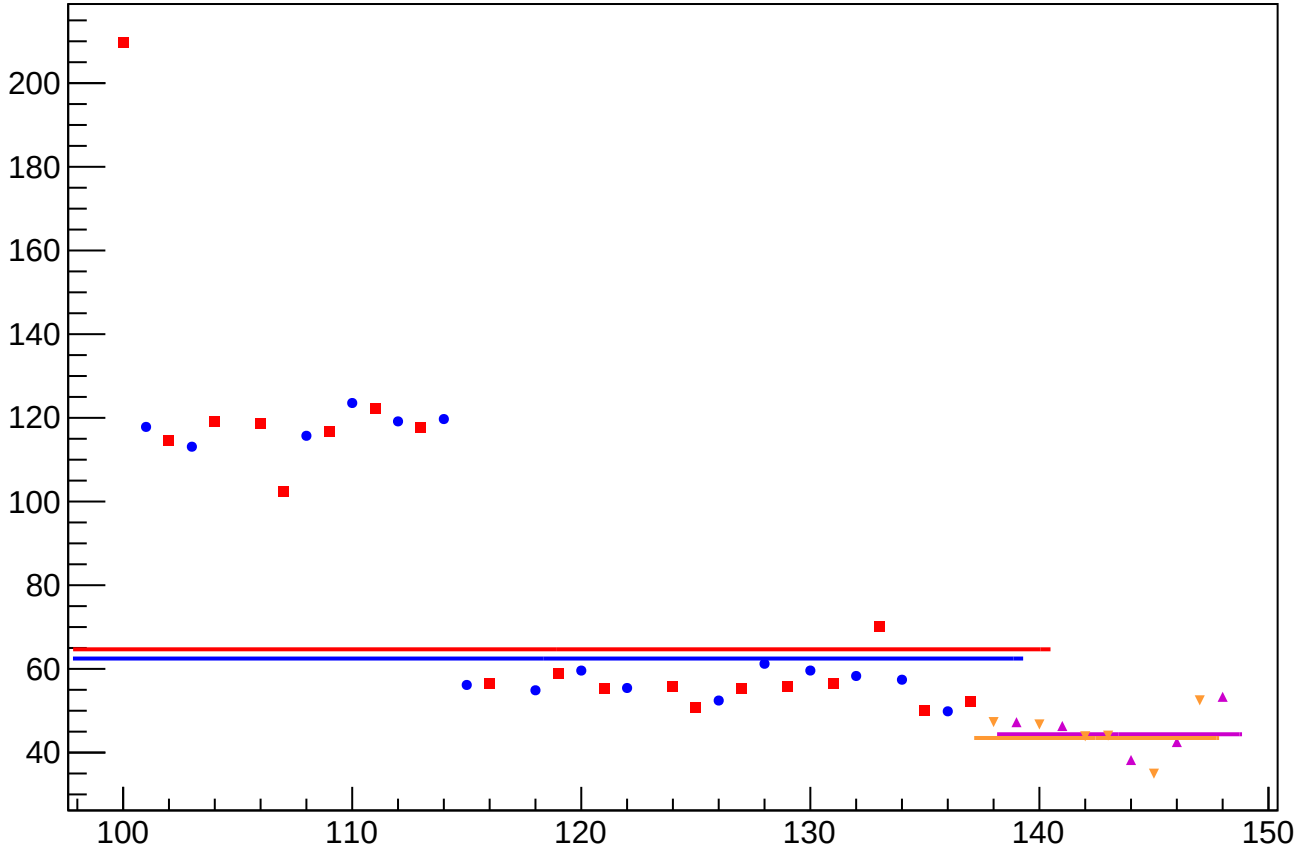
Left In: -0.613+/-21.693 χ^2/NDF:9.1/4

+ sign -1.427+/-15.810 χ^2/NDF: 23.8/21

All: 3.907+/-11.392 χ^2/NDF: 57.8/45

- sign 9.668+/-16.429 χ^2/NDF: 33.7/23

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

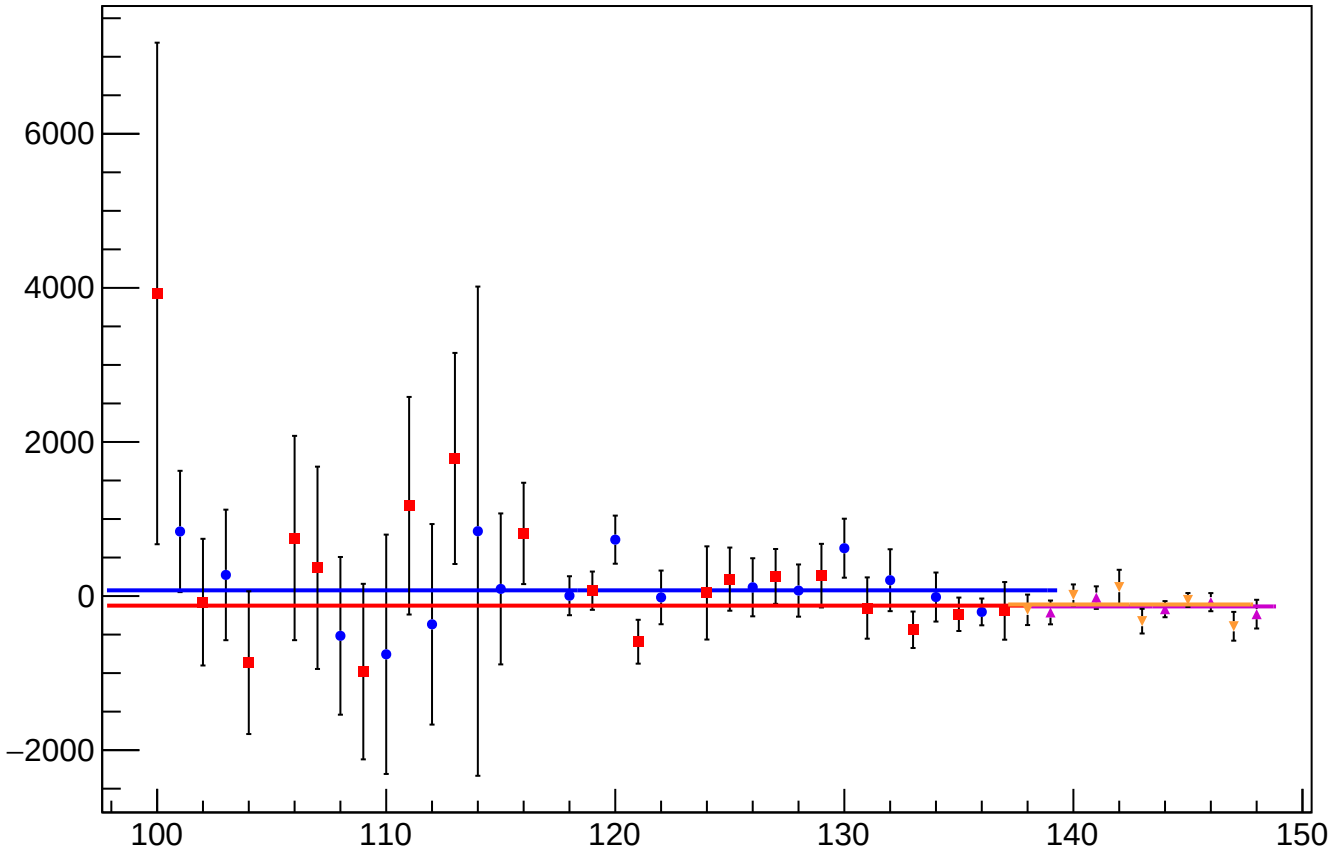
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 44.377+/-0.015 χ^2/NDF:105435.9/4

+ sign 51.401+/-0.011 χ^2/NDF: 2211626.5/21

All: 52.186+/-0.008 χ^2/NDF: 4664782.0/45

- sign 53.034+/-0.012 χ^2/NDF: 2442891.5/23



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.262+/-58.692 χ^2/NDF:6.5/5

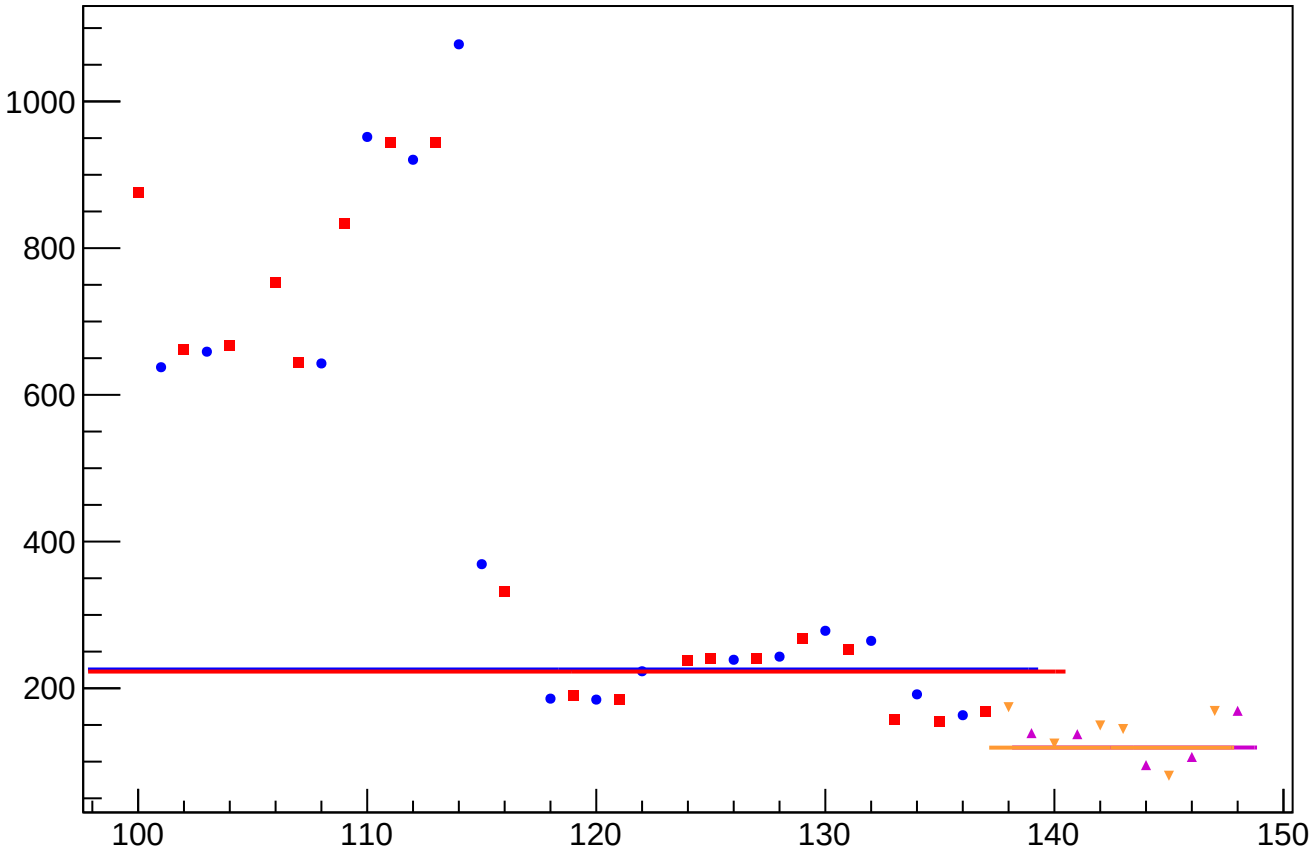
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -134.623+/-59.651 χ^2/NDF:1.5/4

+ sign -58.160+/-49.857 χ^2/NDF: 20.4/21

All: -94.463+/-35.468 χ^2/NDF: 39.3/45

- sign -131.660+/-50.467 χ^2/NDF: 17.8/23



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 119.081+/-0.042 χ^2/NDF:750430.2/5

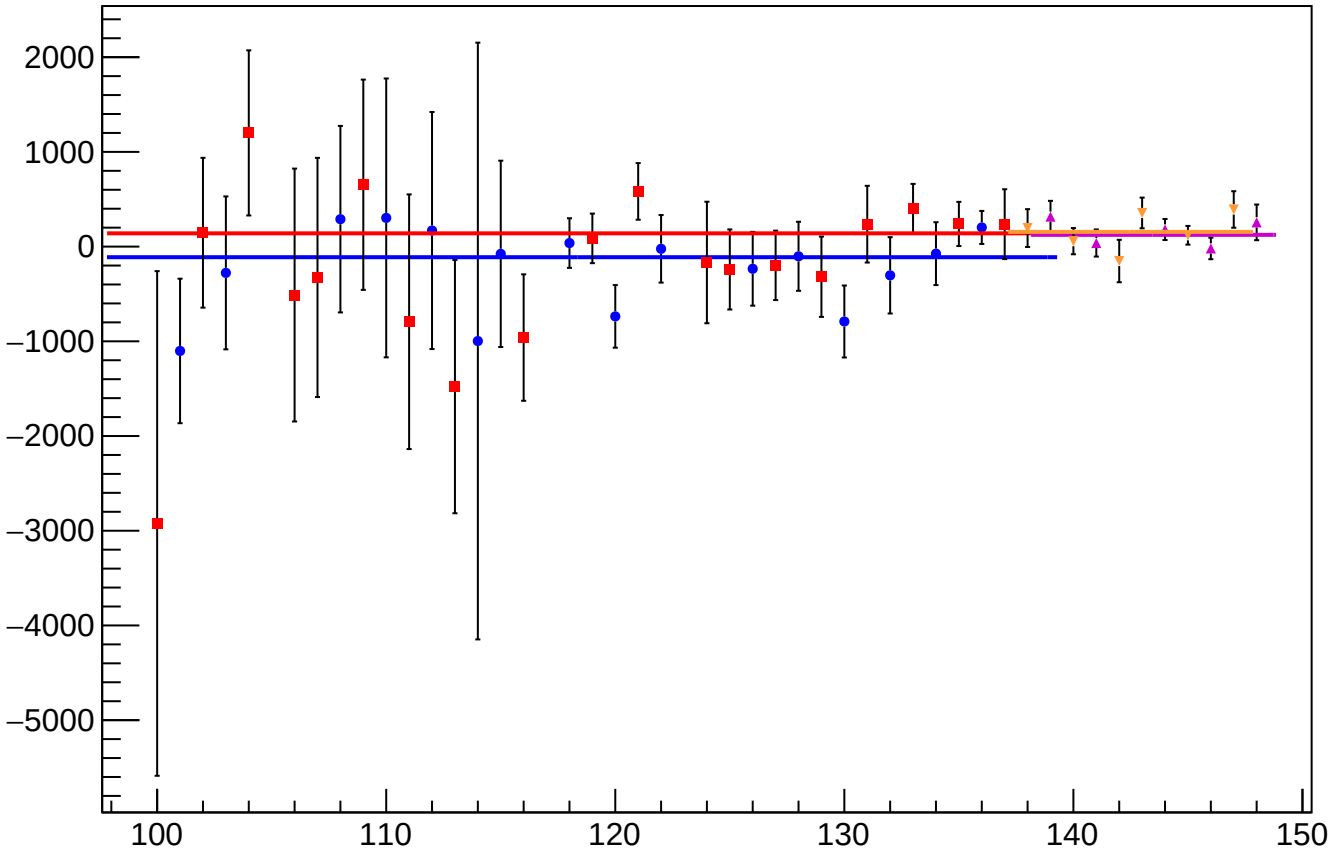
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 119.249+/-0.042 χ^2/NDF:336319.5/4

\+ sign 148.740+/-0.035 χ^2/NDF: 5610866.9/21

All: 148.708+/-0.025 χ^2/NDF: 11507825.2/45

\- sign 148.675+/-0.036 χ^2/NDF: 5896956.6/23



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

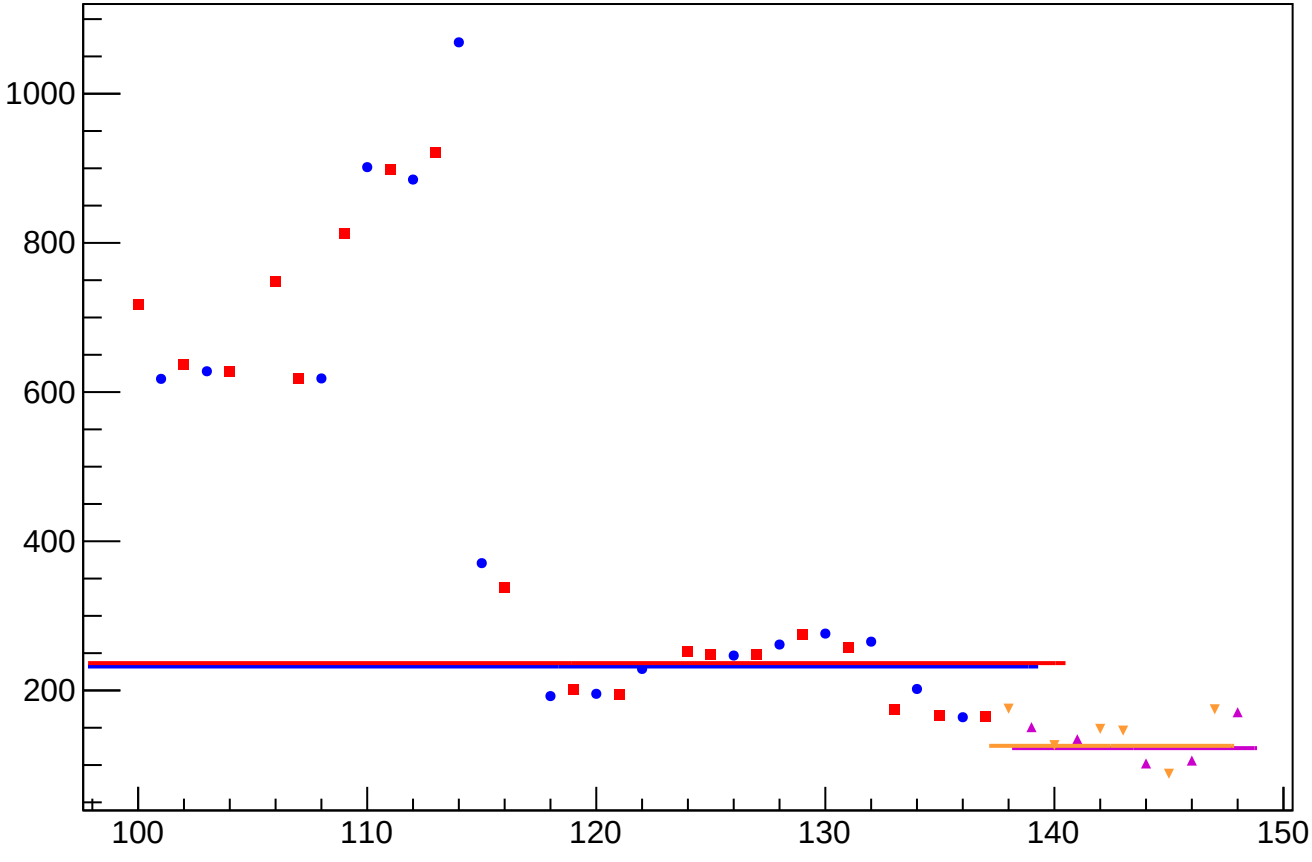
Left In: 123.996+/-60.706 χ^2/NDF:4.0/4

+ sign 78.466+/-51.840 χ^2/NDF: 23.9/21

All: 103.440+/-36.634 χ^2/NDF: 43.1/45

- sign 128.351+/-51.776 χ^2/NDF: 18.7/23

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

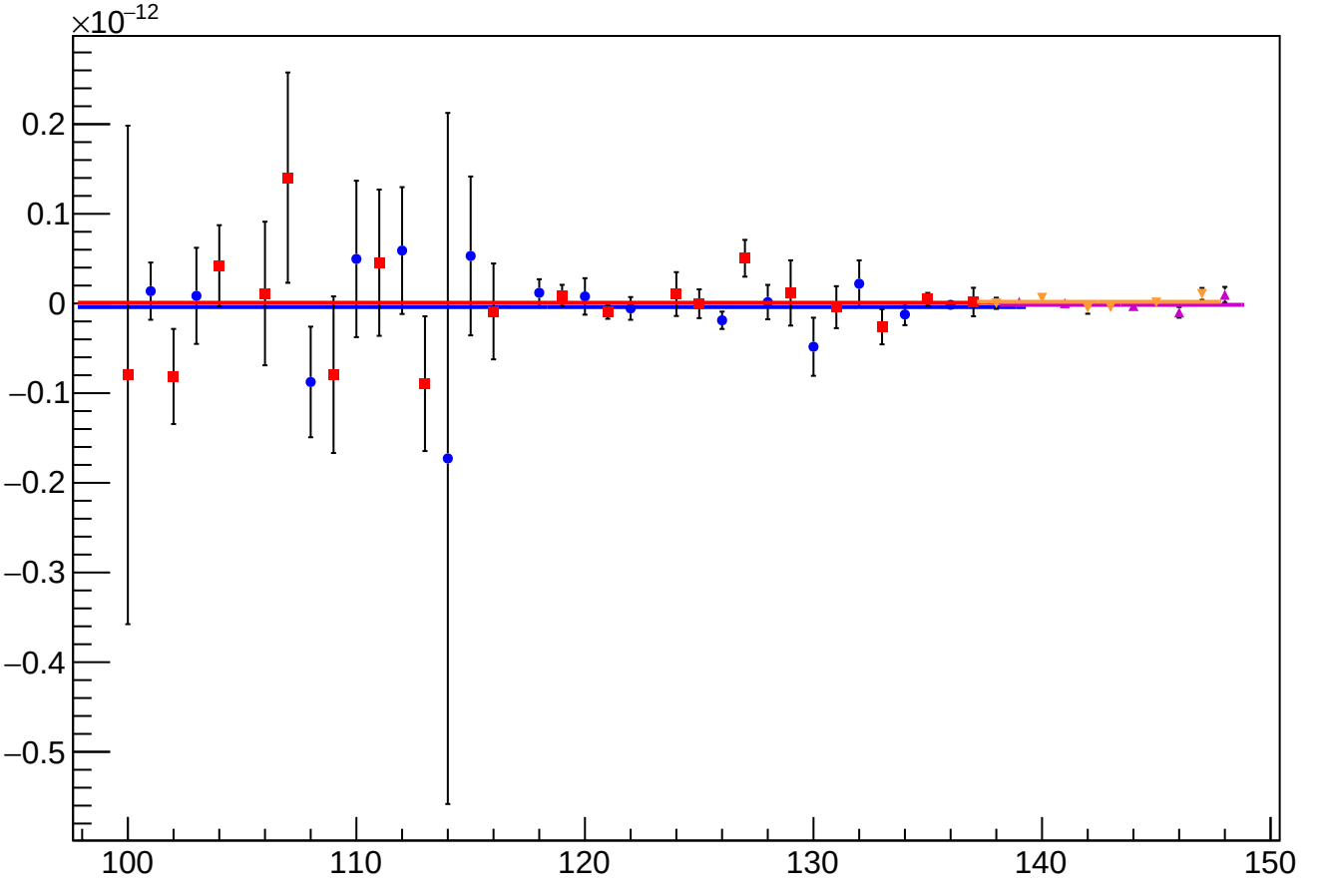
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.678+/-0.043 χ^2/NDF:313159.6/4

+ sign 156.416+/-0.037 χ^2/NDF: 5205756.8/21

All: 155.077+/-0.026 χ^2/NDF: 10963956.2/45

- sign 153.741+/-0.037 χ^2/NDF: 5755534.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

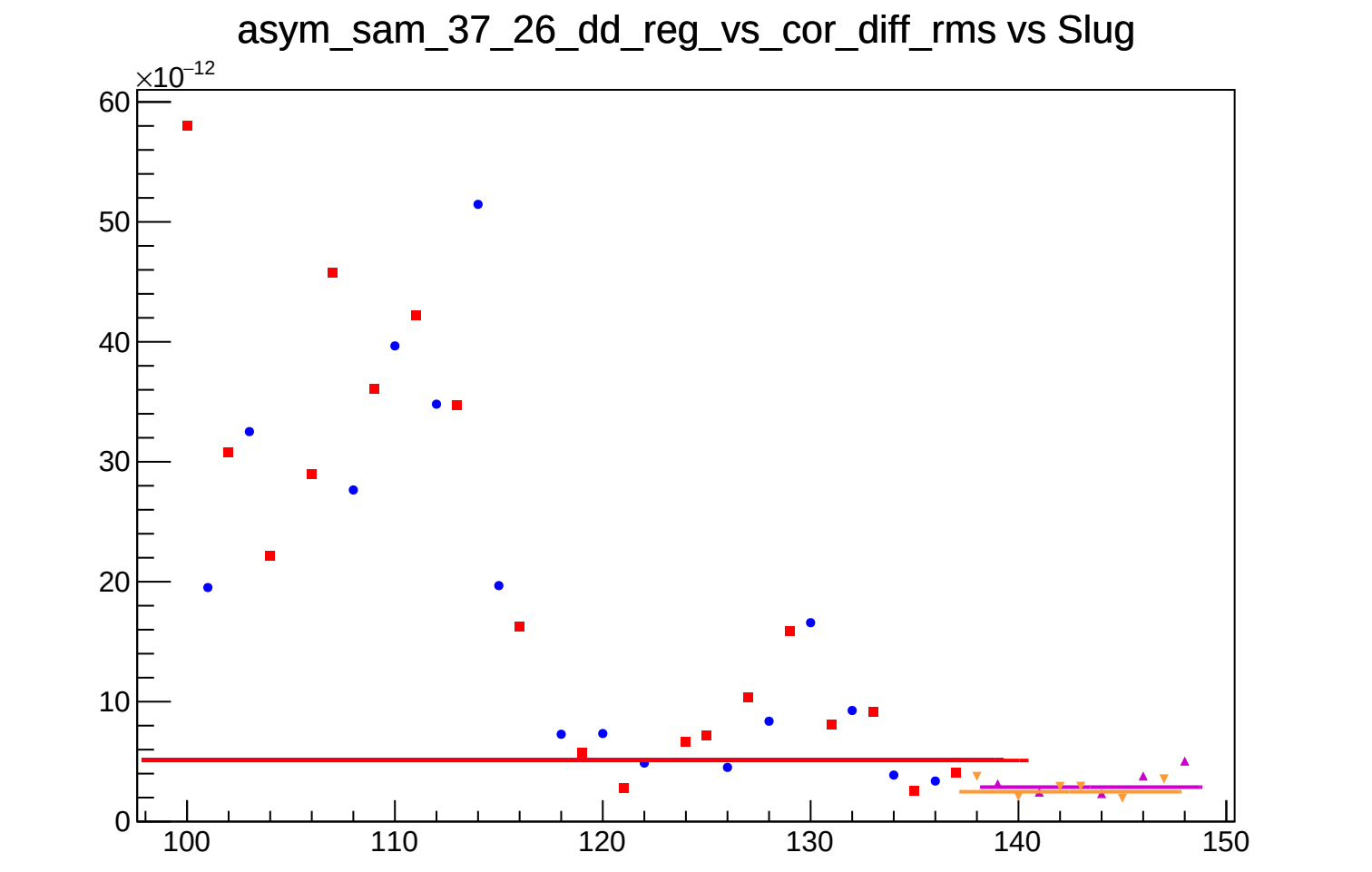
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.6/45

- sign -0.000+/-0.000 χ^2/NDF: 22.7/23



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

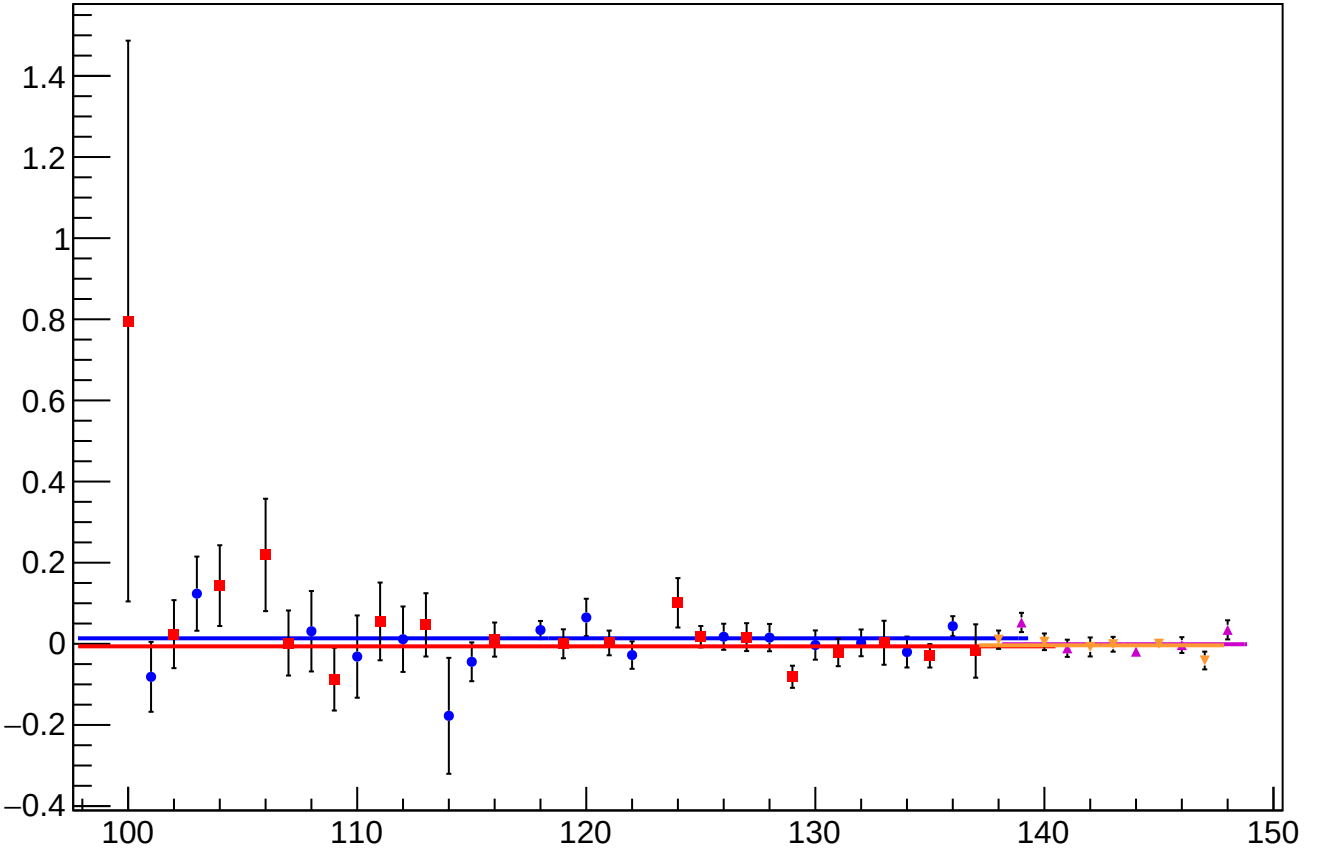
Left In: 0.000+/-0.000 χ^2/NDF:243890.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3708162.6/21

All: 0.000+/-0.000 χ^2/NDF: 7712851.1/45

- sign 0.000+/-0.000 χ^2/NDF: 3965604.3/23

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

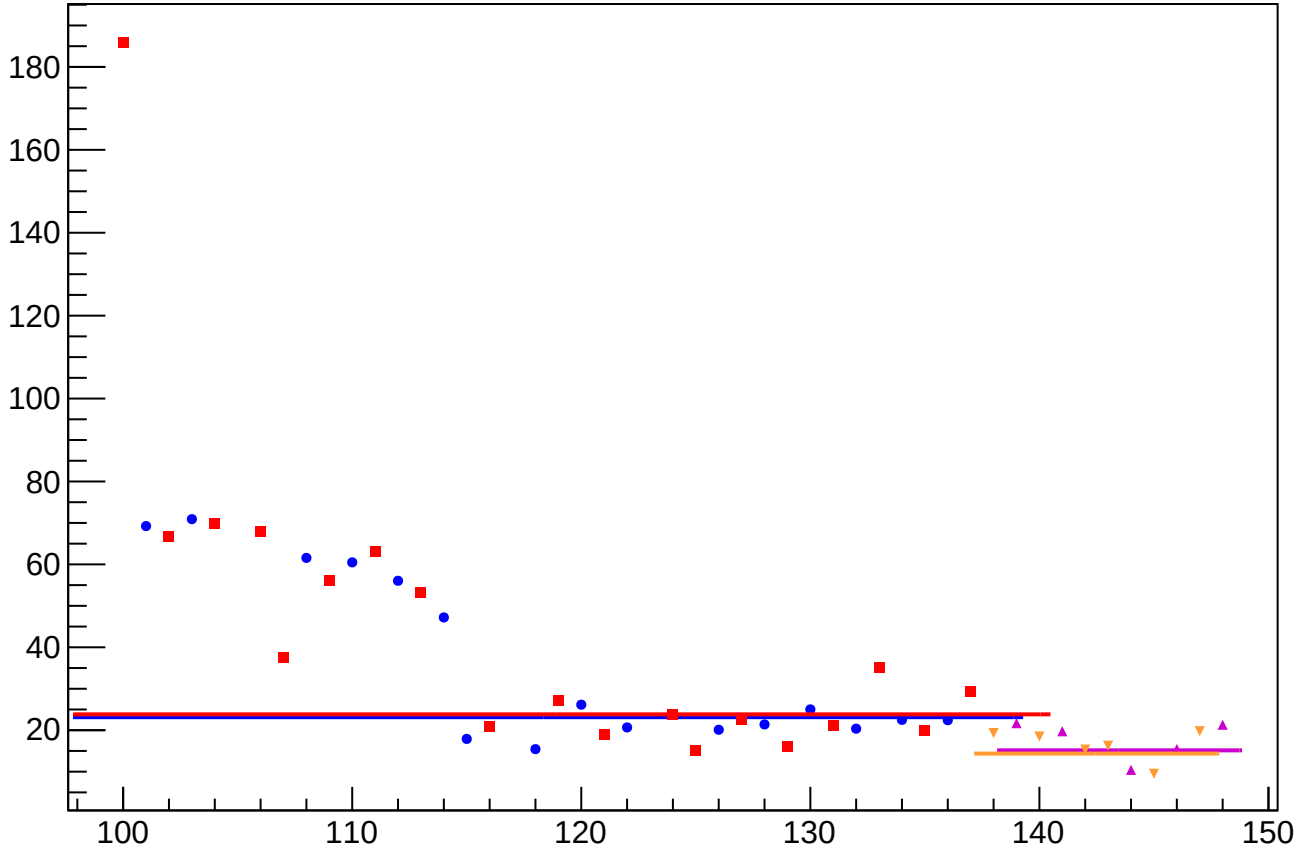
Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.000+/-0.004 χ^2/NDF: 50.0/45

- sign -0.003+/-0.006 χ^2/NDF: 31.6/23

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

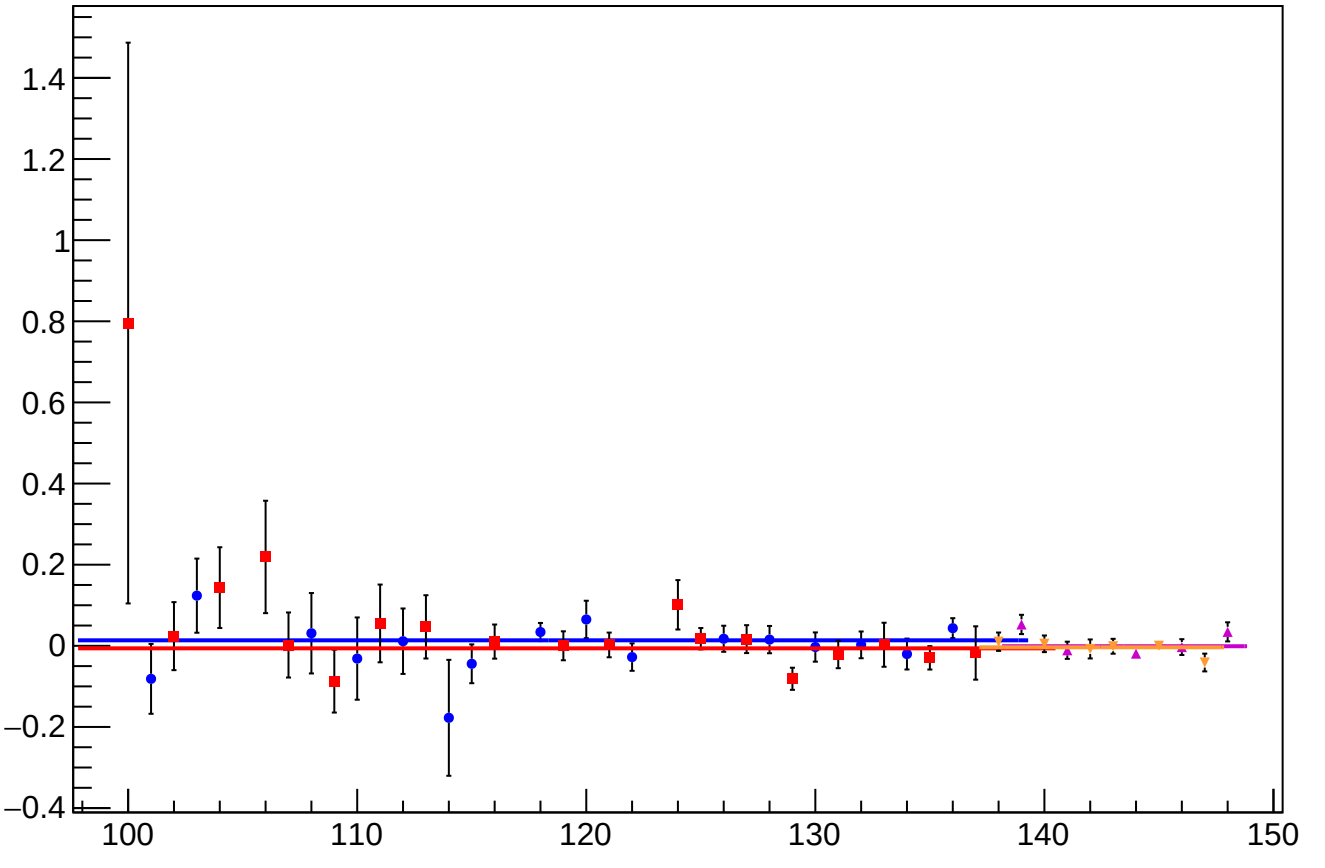
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

+ sign 17.447+/-0.004 χ^2/NDF: 4132450.1/21

All: 17.937+/-0.003 χ^2/NDF: 8677254.1/45

- sign 18.502+/-0.004 χ^2/NDF: 4514449.4/23



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

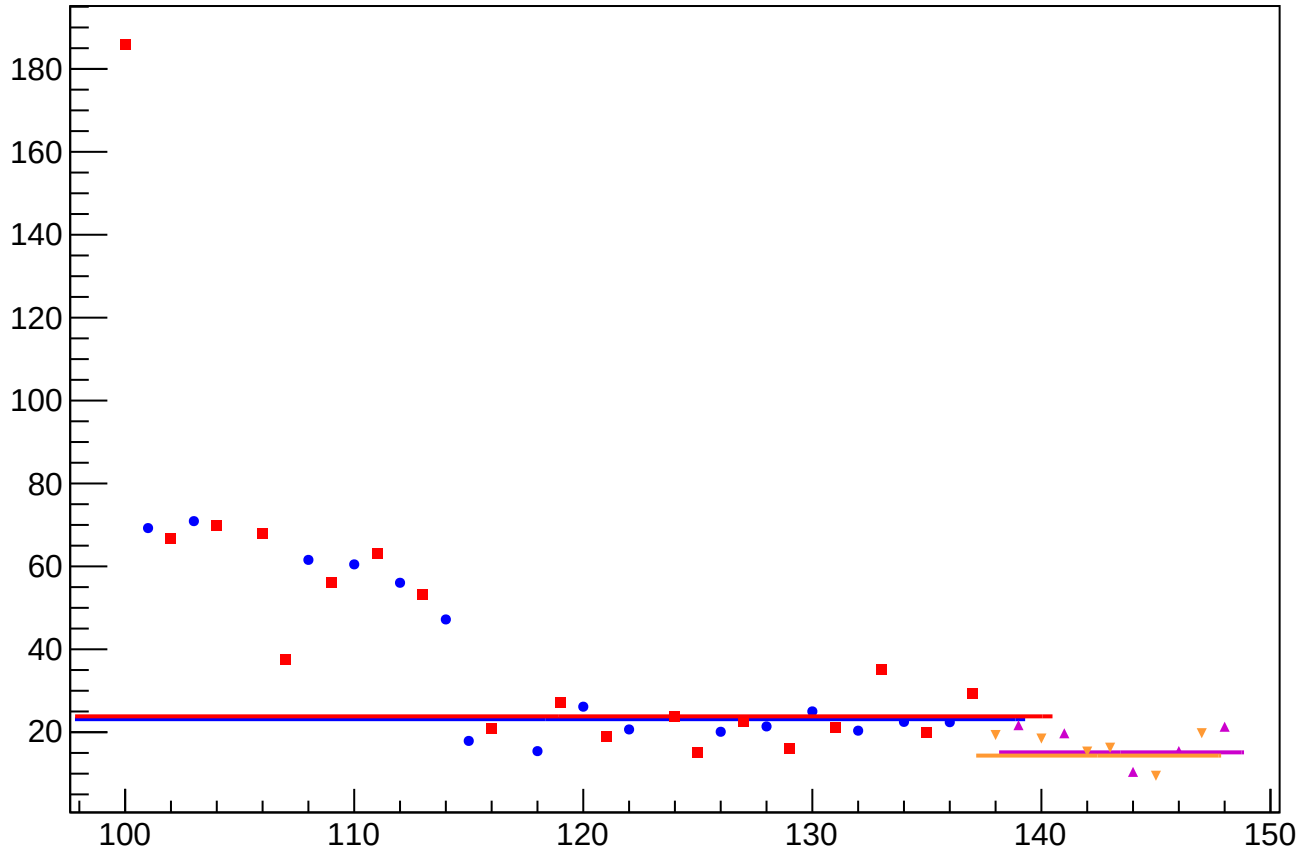
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.000+/-0.004 χ^2/NDF: 50.0/45

- sign -0.003+/-0.006 χ^2/NDF: 31.6/23



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.360+/-0.005 χ^2/NDF:693379.7/5

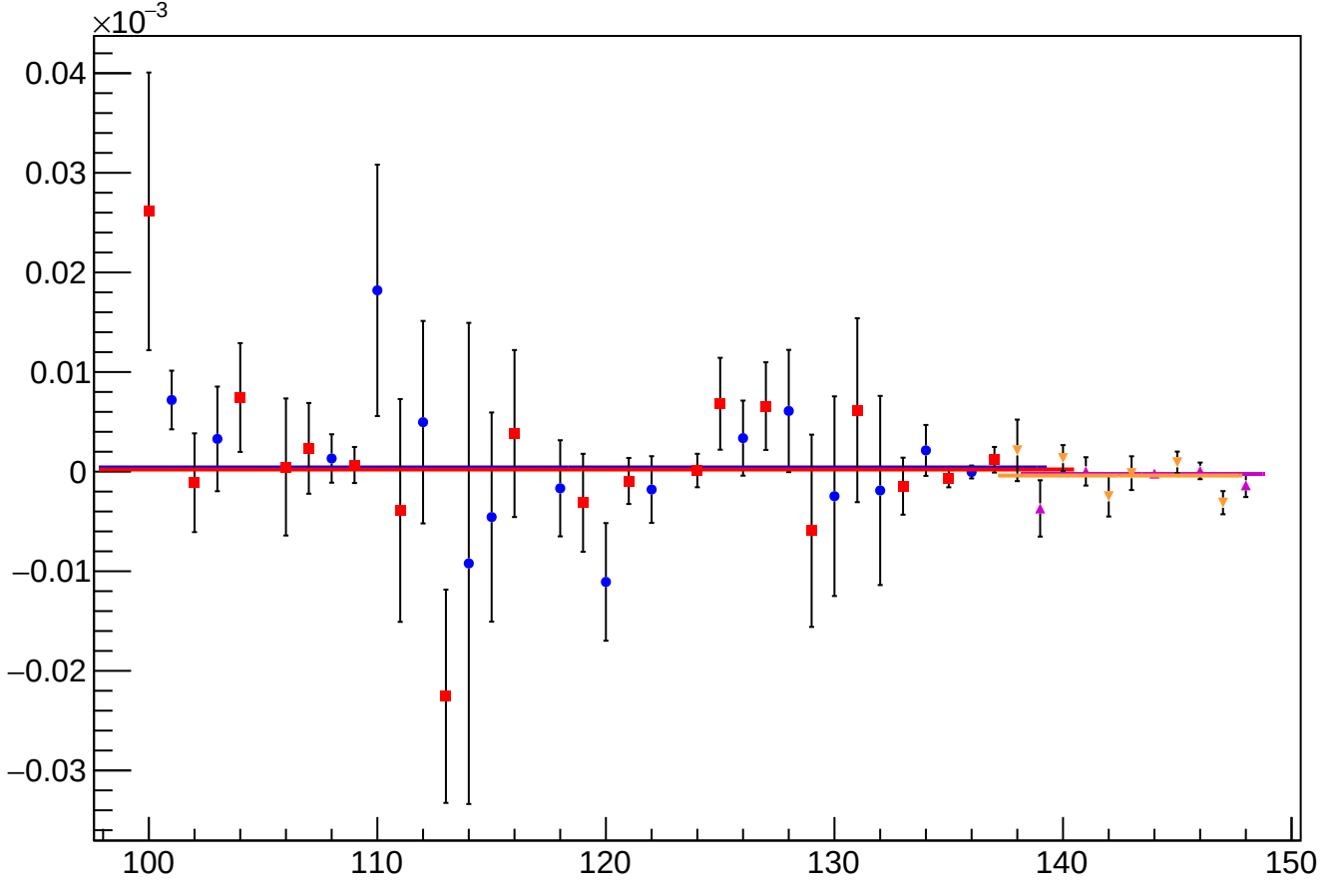
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

+ sign 17.447+/-0.004 χ^2/NDF: 4132450.1/21

All: 17.937+/-0.003 χ^2/NDF: 8677254.1/45

- sign 18.502+/-0.004 χ^2/NDF: 4514449.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

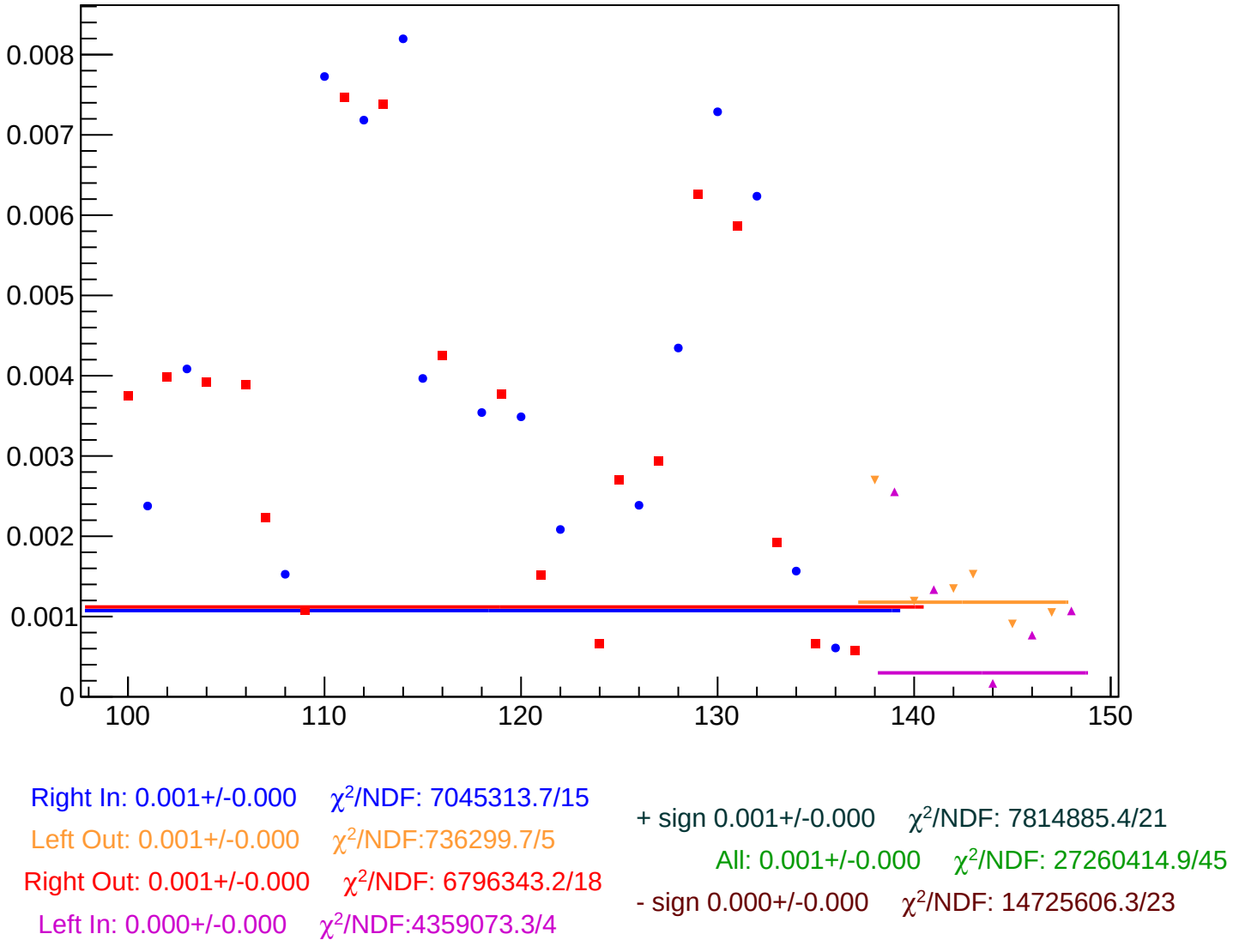
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

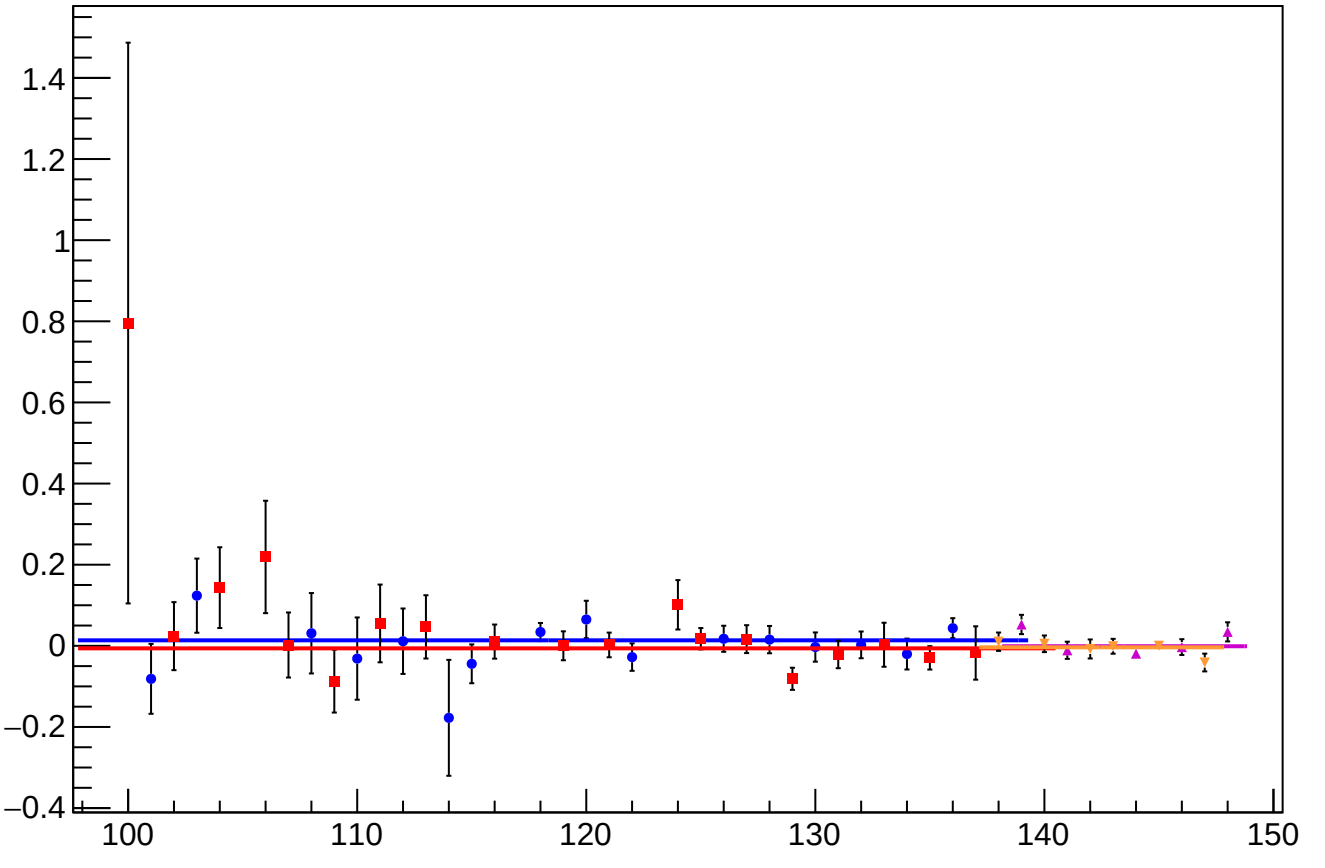
Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/21

All: -0.000+/-0.000 χ^2/NDF: 48.1/45

- sign -0.000+/-0.000 χ^2/NDF: 21.0/23


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
150
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:4359073.3/4
+ sign 0.001+/-0.000 χ²/NDF: 7814885.4/21
All: 0.001+/-0.000 χ²/NDF: 27260414.9/45
- sign 0.000+/-0.000 χ²/NDF: 14725606.3/23



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

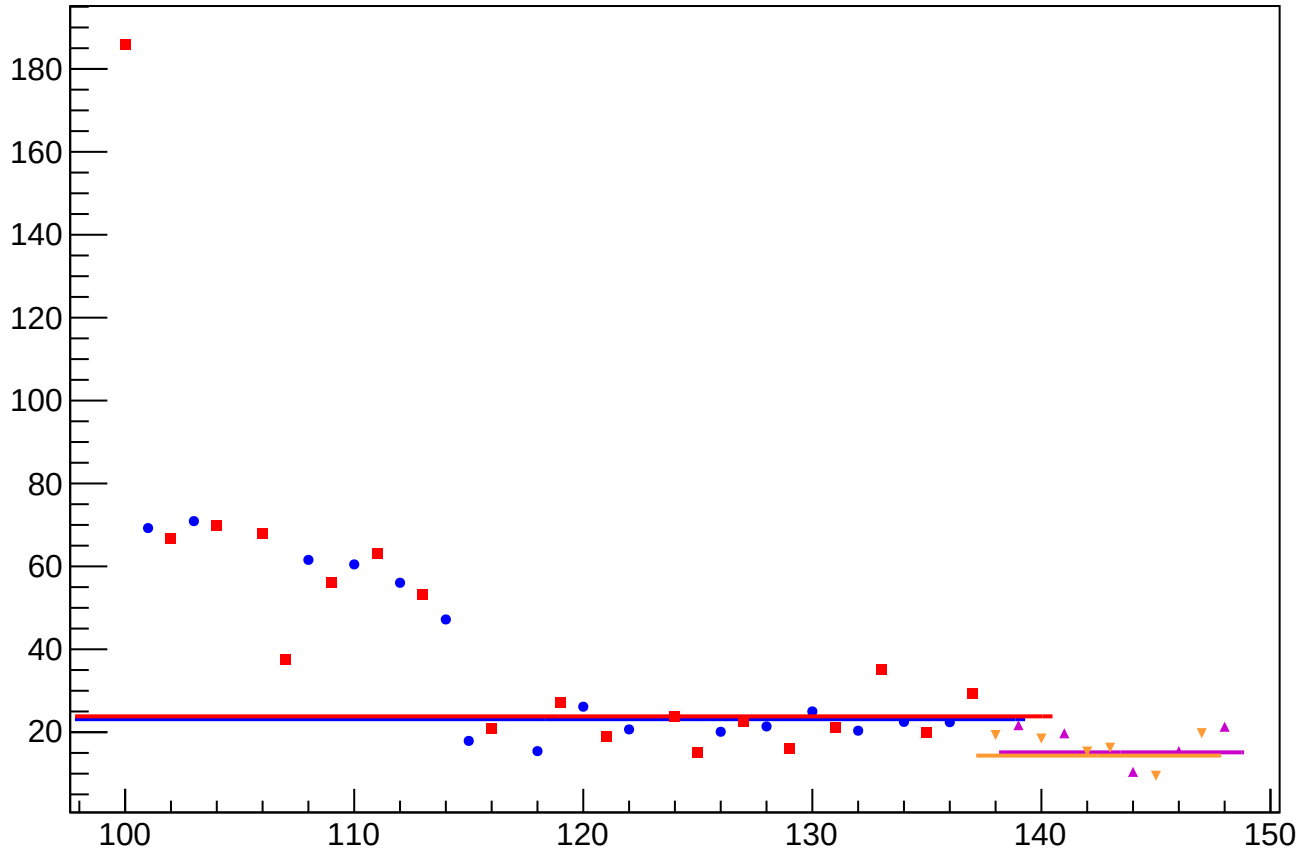
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.000+/-0.004 χ^2/NDF: 50.0/45

- sign -0.003+/-0.006 χ^2/NDF: 31.6/23



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

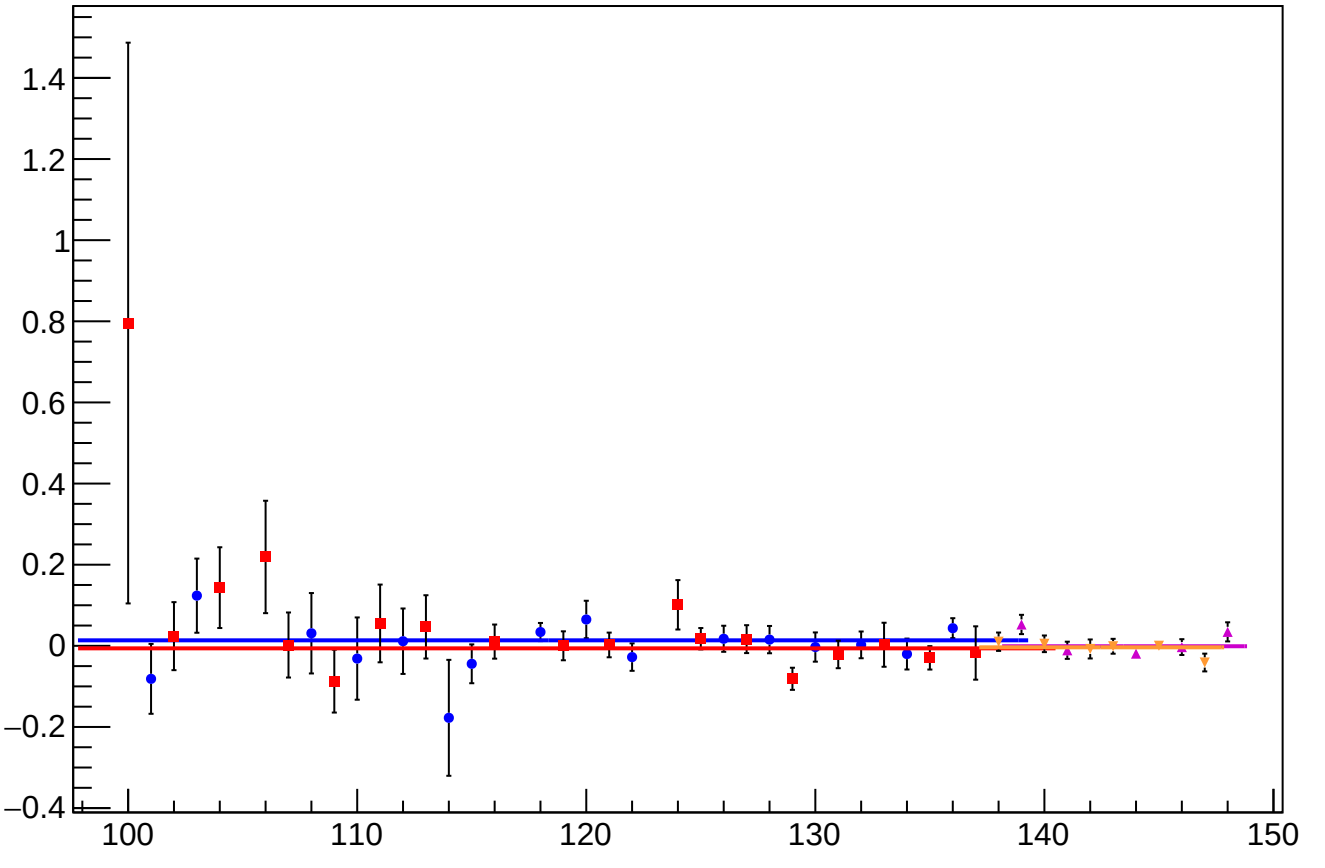
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

\+ sign 17.447+/-0.004 χ^2/NDF: 4132304.9/21

All: 17.937+/-0.003 χ^2/NDF: 8676909.2/45

\- sign 18.502+/-0.004 χ^2/NDF: 4514239.6/23



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

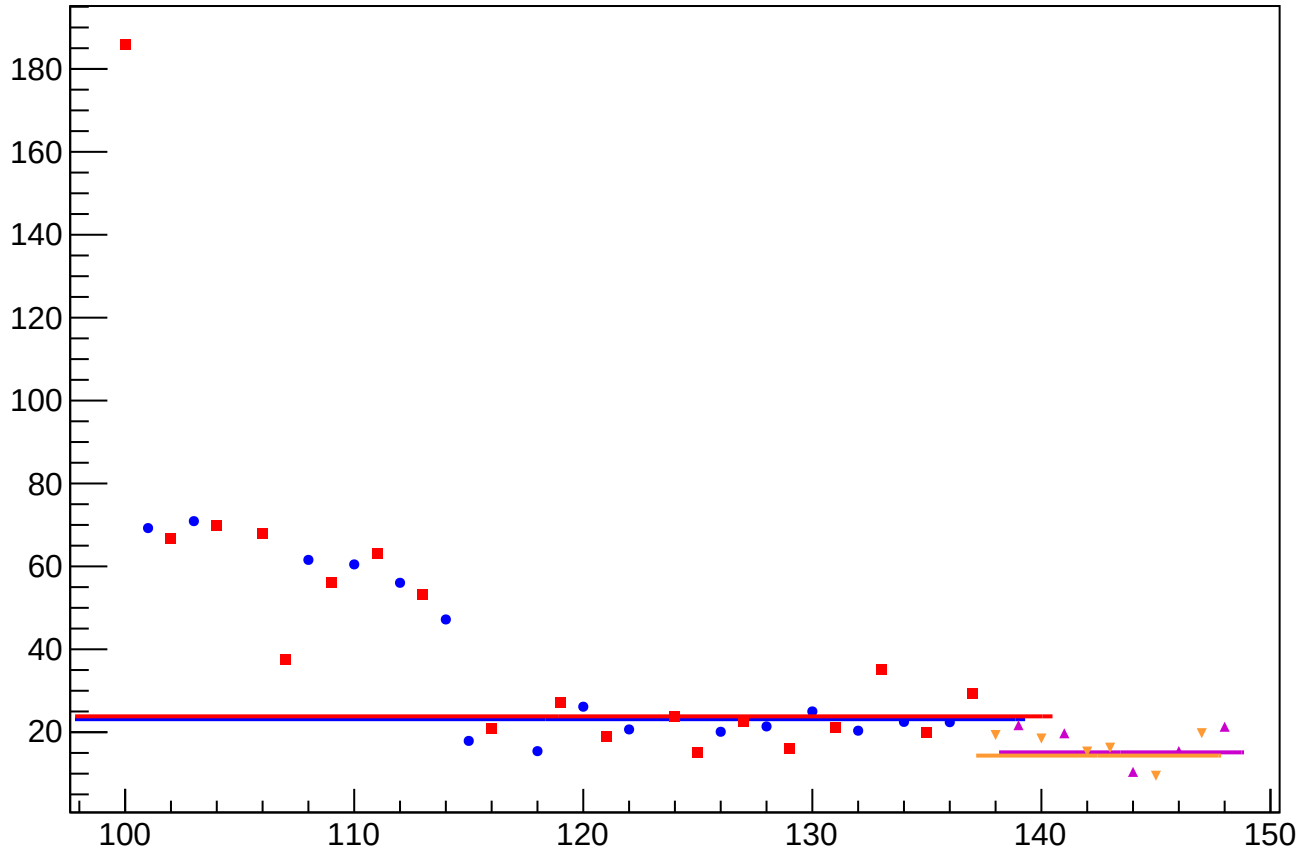
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.002+/-0.006 χ^2/NDF: 18.0/21

All: -0.000+/-0.004 χ^2/NDF: 50.0/45

- sign -0.003+/-0.006 χ^2/NDF: 31.6/23



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

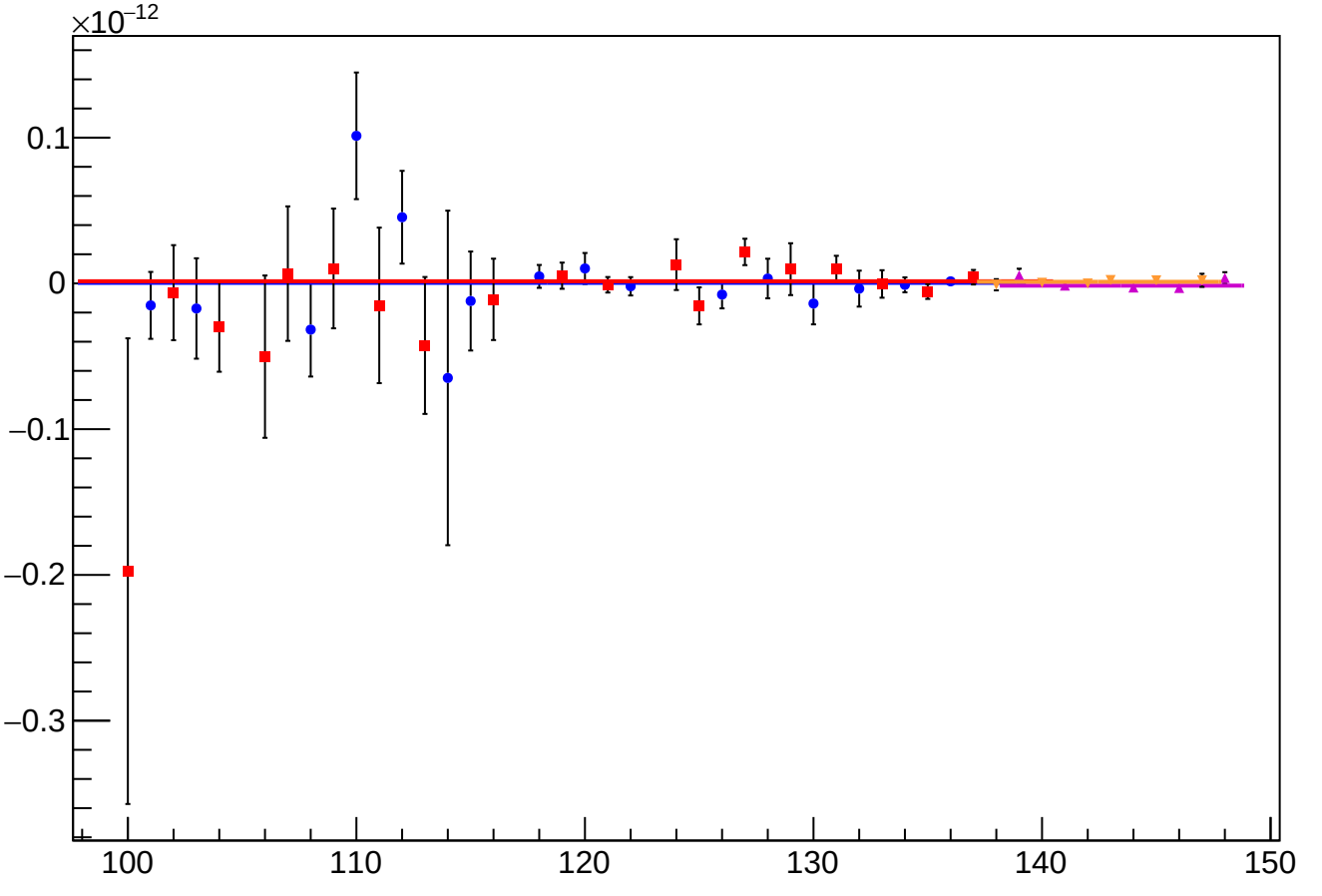
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

+ sign 17.447+/-0.004 χ^2/NDF: 4132304.9/21

All: 17.937+/-0.003 χ^2/NDF: 8676909.2/45

- sign 18.502+/-0.004 χ^2/NDF: 4514239.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

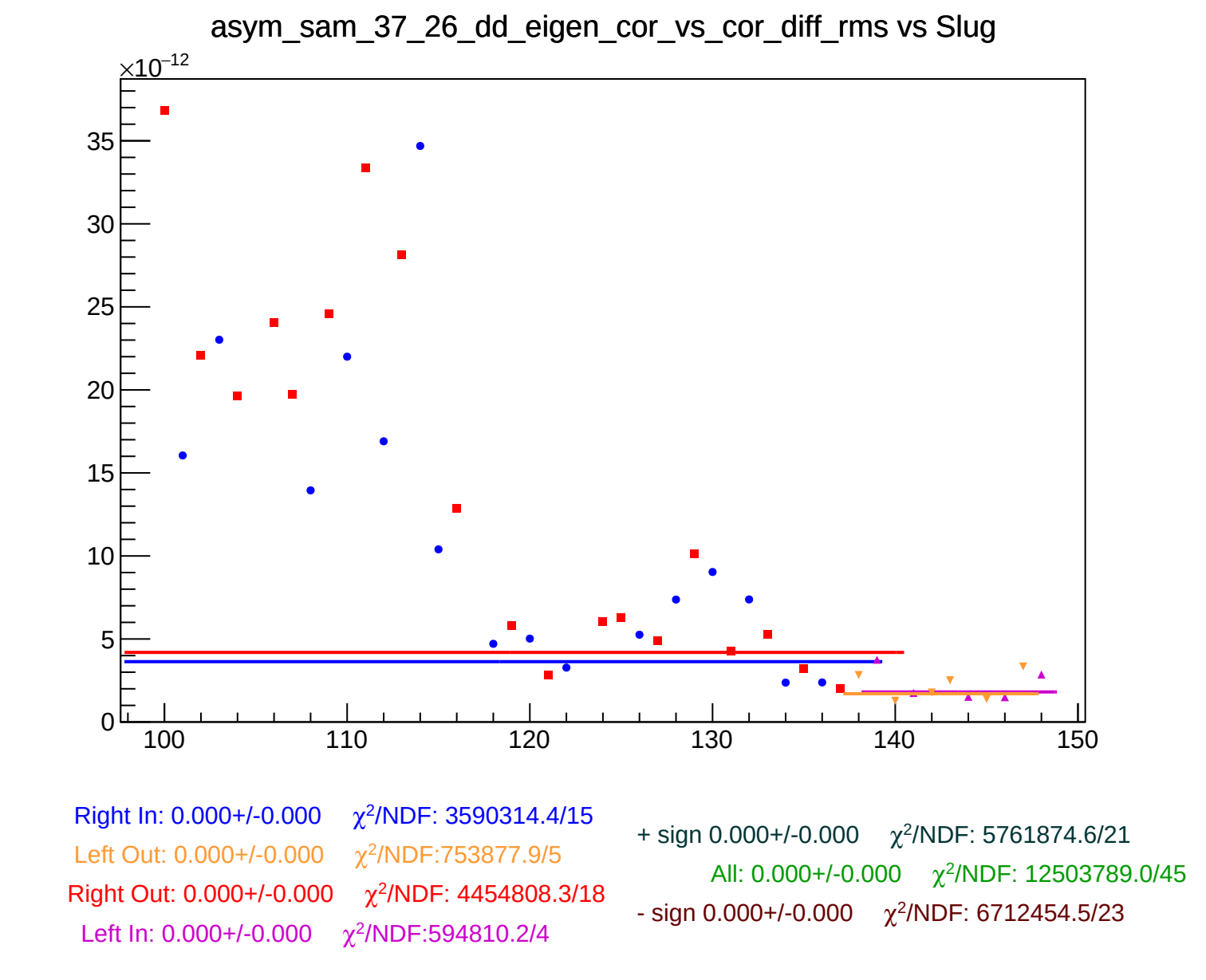
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/4

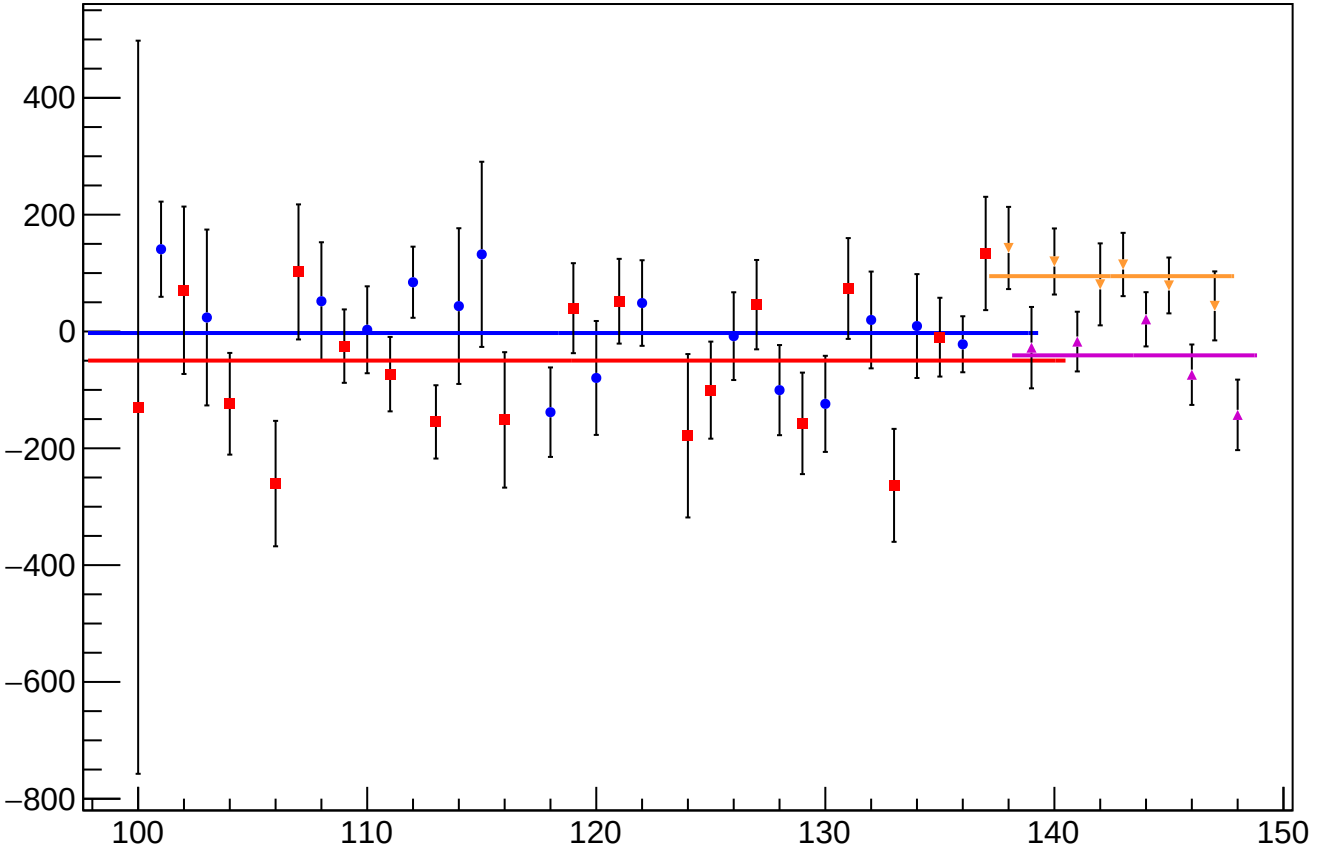
+ sign 0.000+/-0.000 χ^2/NDF: 14.1/21

All: 0.000+/-0.000 χ^2/NDF: 38.2/45

- sign -0.000+/-0.000 χ^2/NDF: 22.1/23


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
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:594810.2/4
+ sign 0.000+/-0.000 χ²/NDF: 5761874.6/21
All: 0.000+/-0.000 χ²/NDF: 12503789.0/45
- sign 0.000+/-0.000 χ²/NDF: 6712454.5/23

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

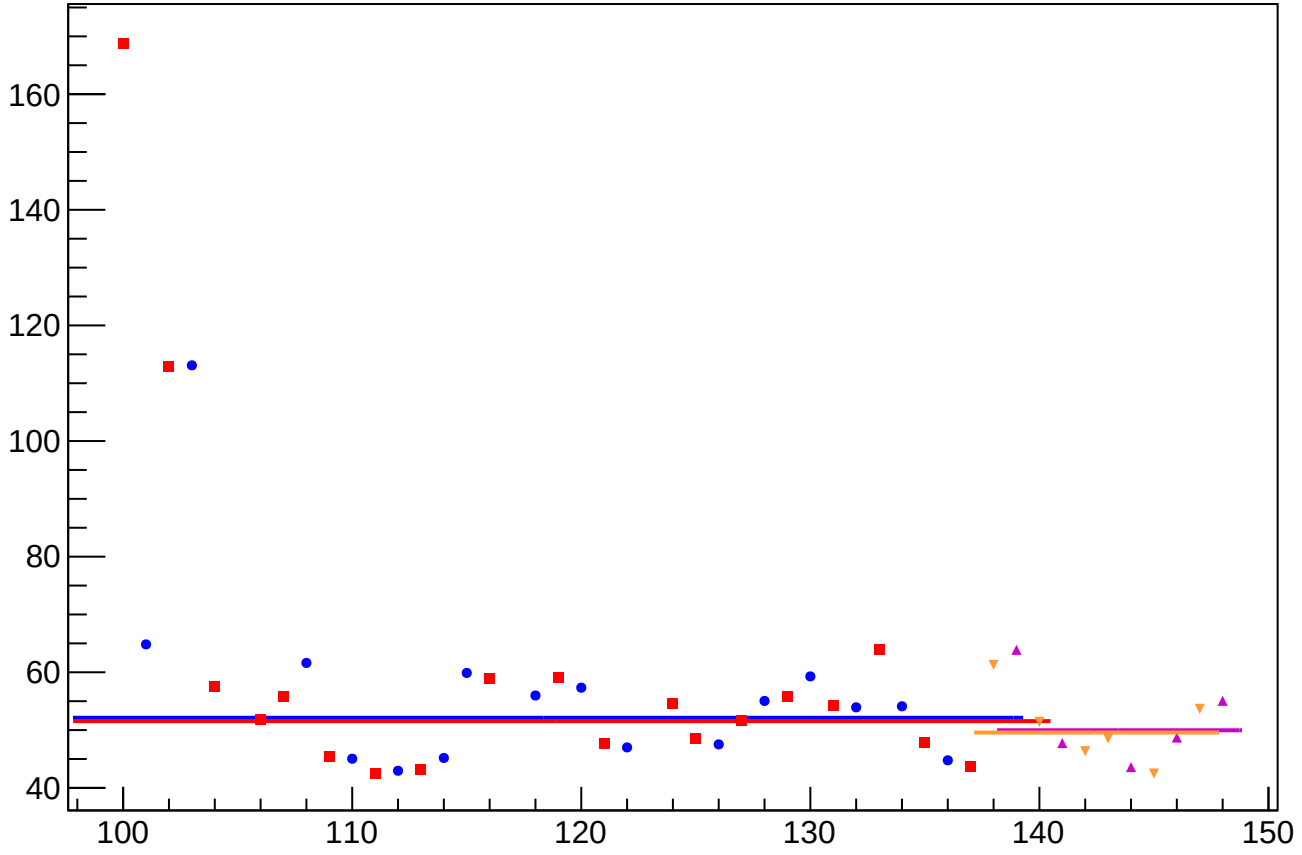
Left In: -40.860+/-24.247 χ^2/NDF:5.3/4

+ sign 37.879+/-15.280 χ^2/NDF: 26.1/21

All: -4.268+/-10.795 χ^2/NDF: 76.0/45

- sign -46.268+/-15.253 χ^2/NDF: 34.7/23

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

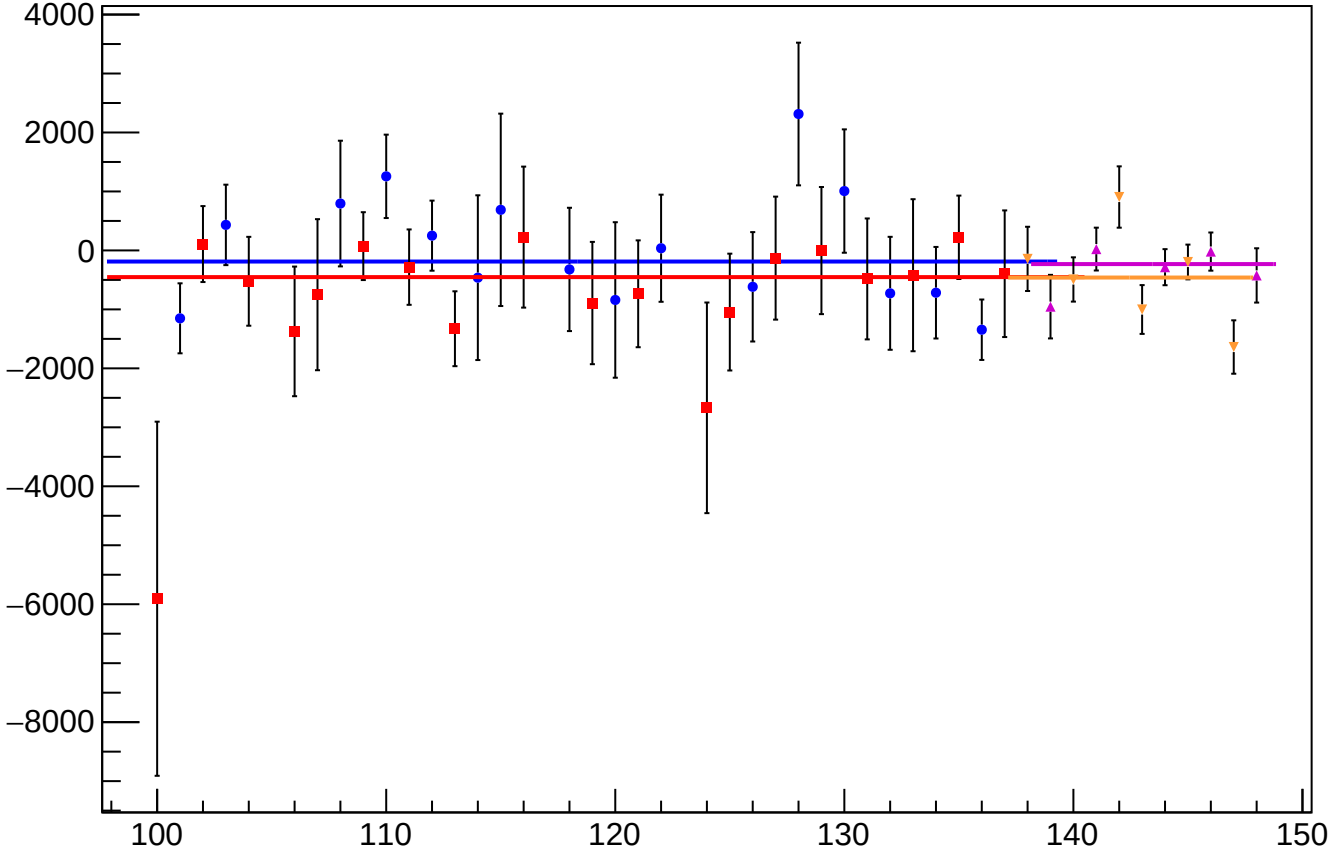
Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 51.067+/-0.011 χ^2/NDF: 692629.9/21

All: 50.996+/-0.008 χ^2/NDF: 1473988.0/45

- sign 50.924+/-0.011 χ^2/NDF: 781270.0/23

asym_sam_1357_avg_reg_correction_mean vs Slug



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

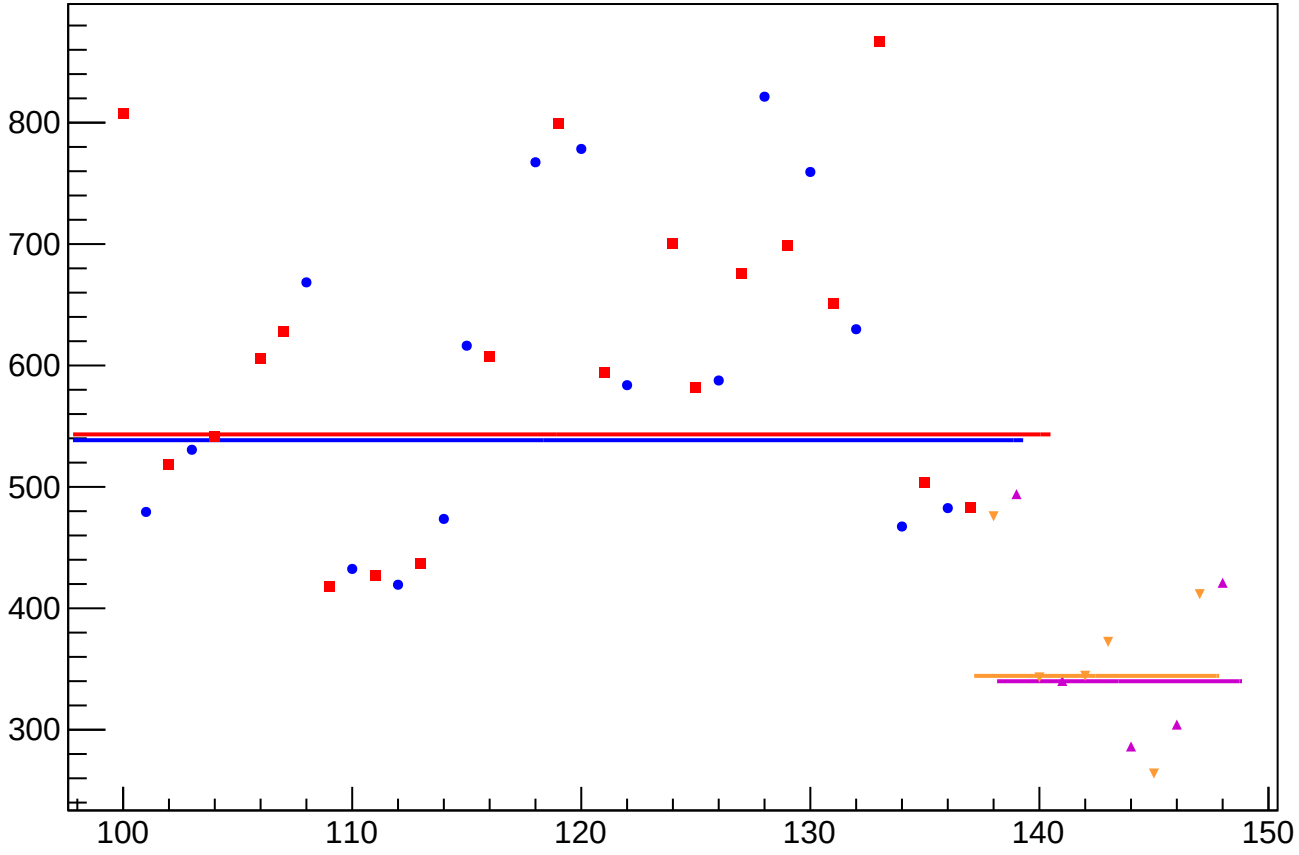
Left In: -231.678+/-166.709 χ^2/NDF:2.9/4

+ sign -353.078+/-129.105 χ^2/NDF: 38.9/21

All: -336.612+/-91.277 χ^2/NDF: 53.9/45

- sign -320.156+/-129.067 χ^2/NDF: 14.9/23

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

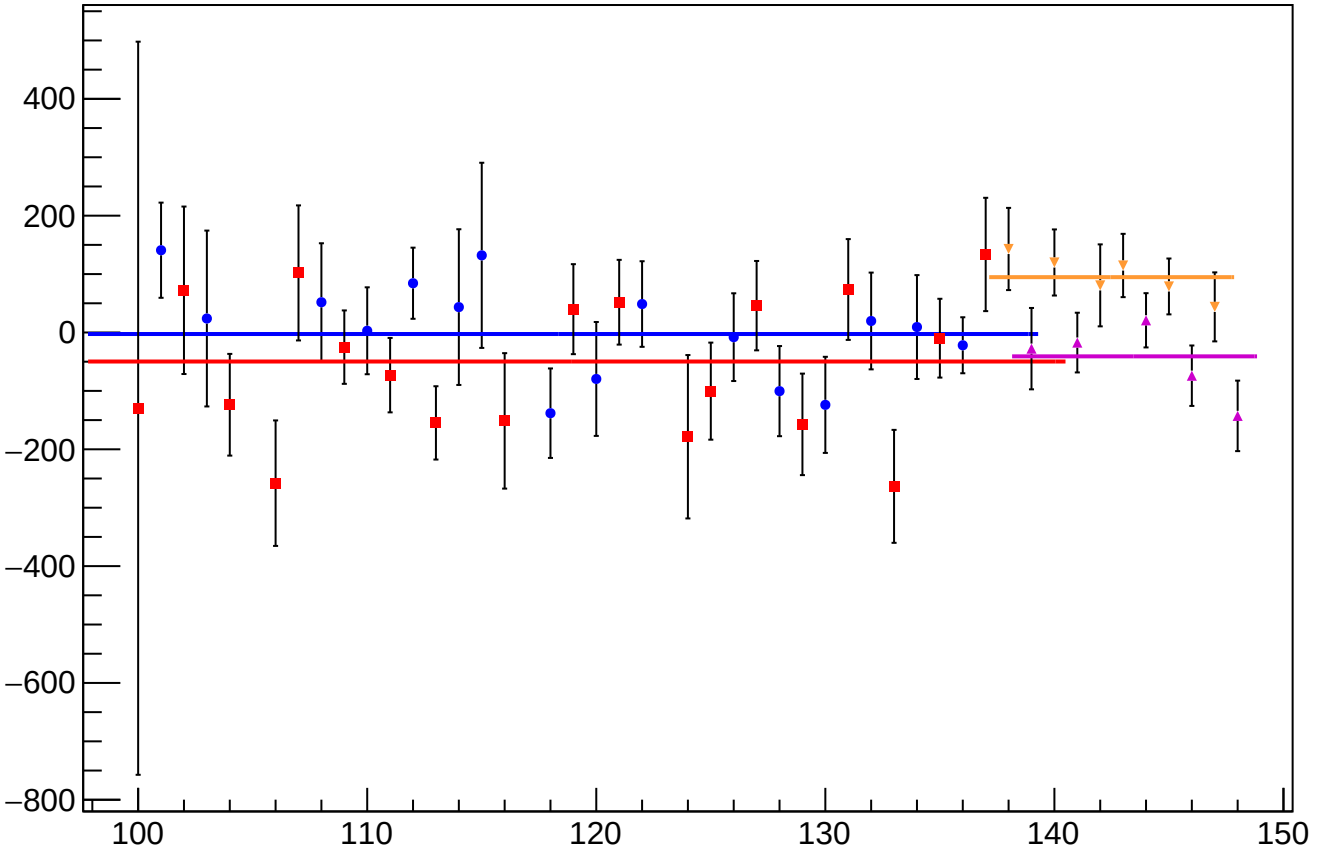
Left In: 339.945+/-0.118 χ^2/NDF:311633.4/4

+ sign 420.748+/-0.091 χ^2/NDF: 2011515.6/21

All: 421.068+/-0.065 χ^2/NDF: 4151781.6/45

- sign 421.387+/-0.091 χ^2/NDF: 2140241.4/23

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

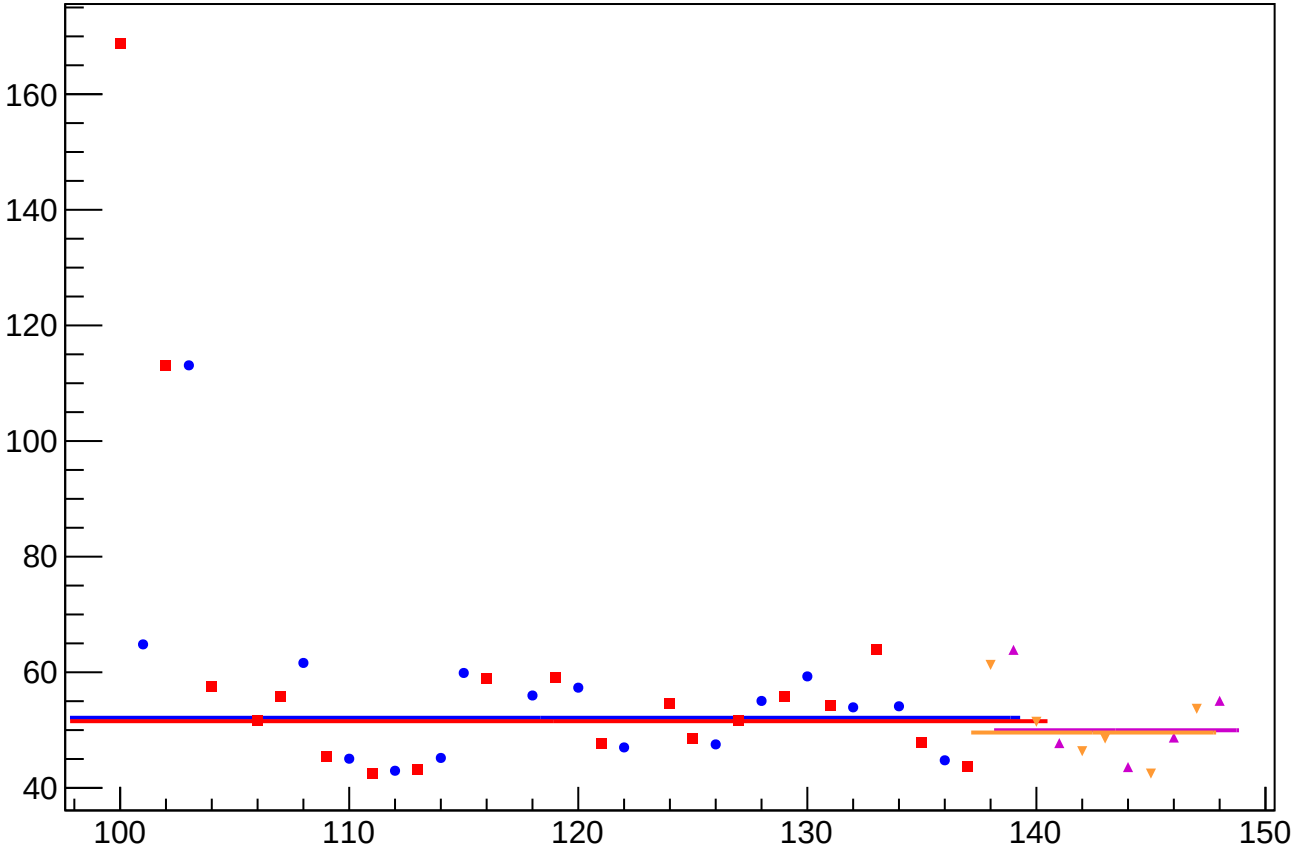
Left In: -40.861+/-24.247 χ^2/NDF:5.3/4

+ sign 37.880+/-15.280 χ^2/NDF: 26.1/21

All: -4.232+/-10.795 χ^2/NDF: 75.9/45

- sign -46.198+/-15.253 χ^2/NDF: 34.6/23

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

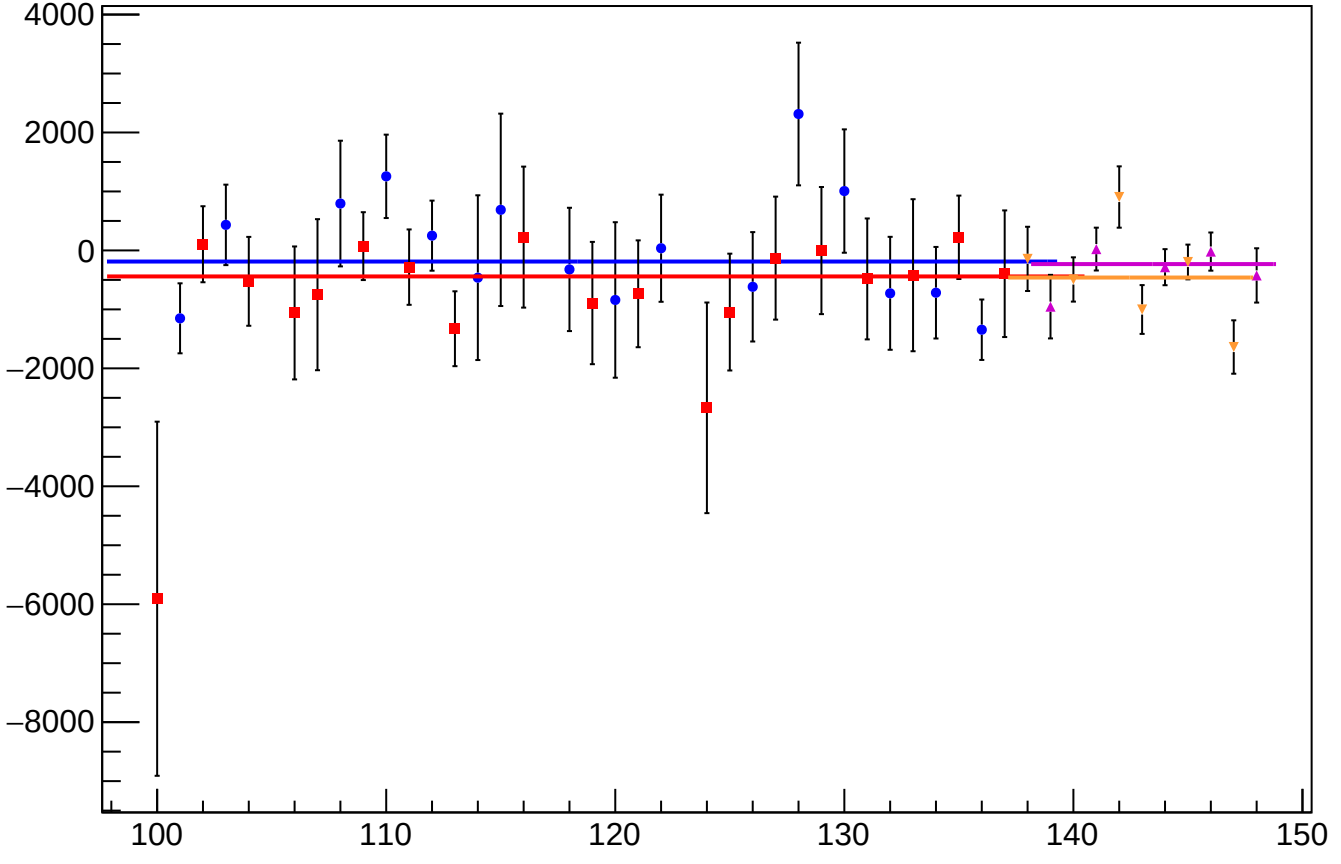
Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 51.067+/-0.011 χ^2/NDF: 692632.1/21

All: 50.993+/-0.008 χ^2/NDF: 1474151.1/45

- sign 50.918+/-0.011 χ^2/NDF: 781422.9/23

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

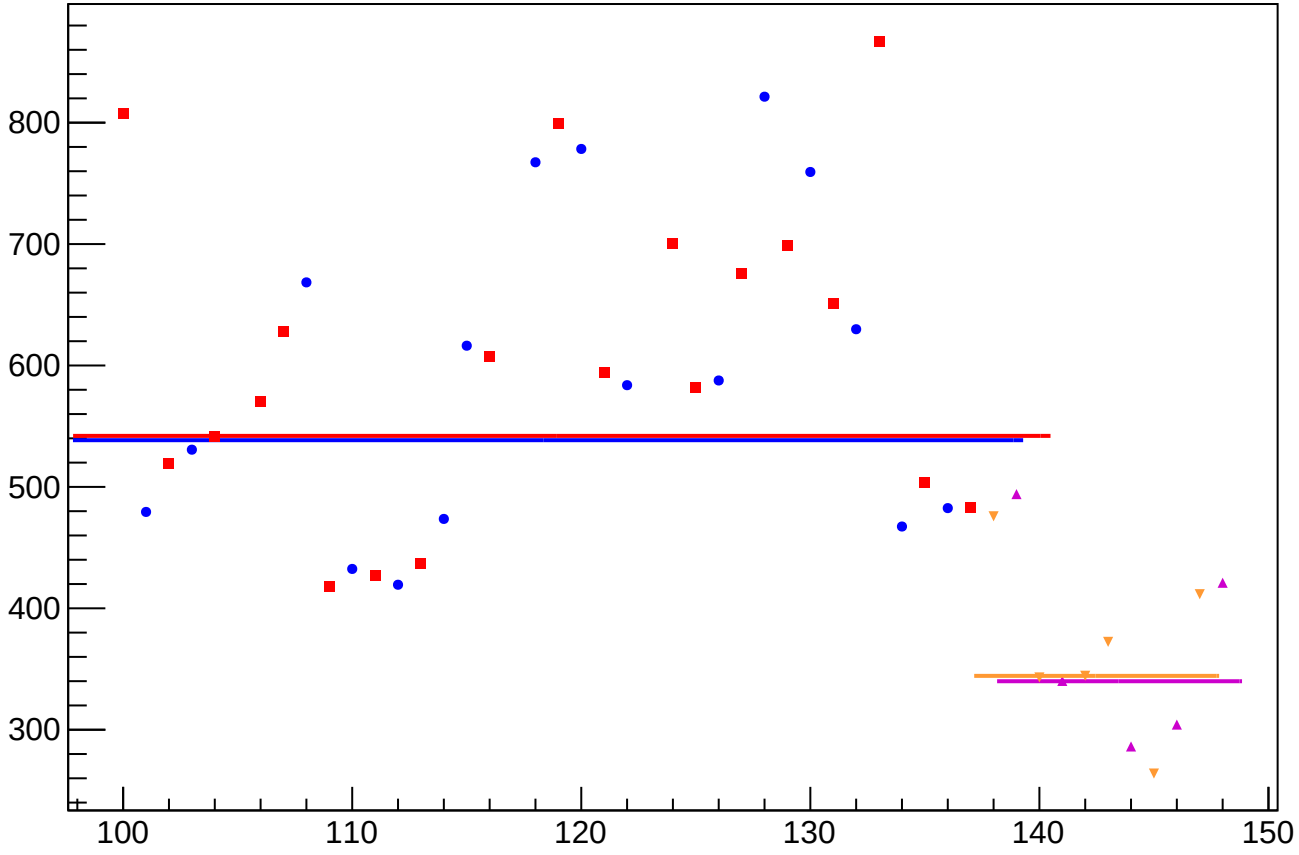
Left In: -231.681+/-166.709 χ^2/NDF:2.9/4

\+ sign -353.066+/-129.105 χ^2/NDF: 38.9/21

All: -334.289+/-91.295 χ^2/NDF: 53.4/45

\- sign -315.509+/-129.116 χ^2/NDF: 14.4/23

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

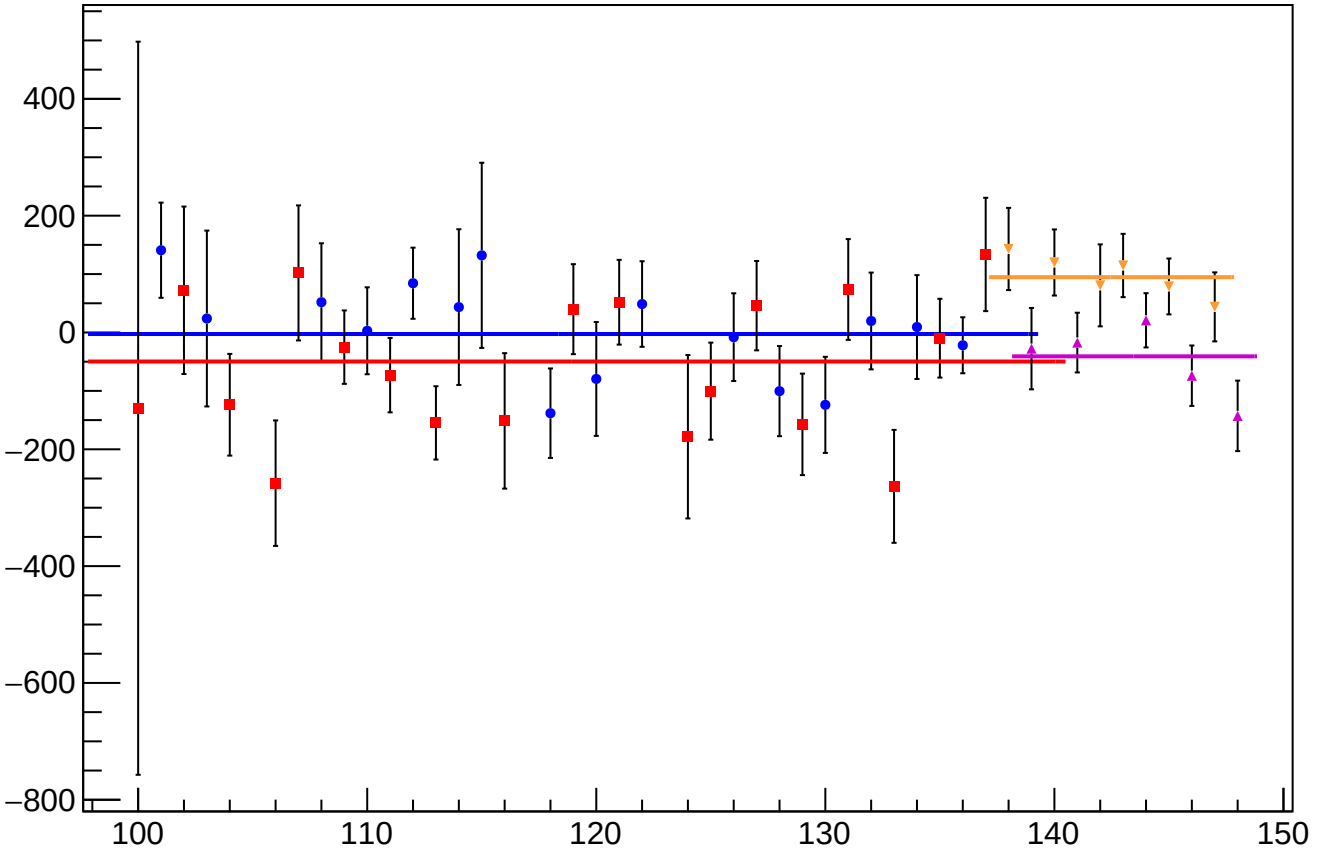
Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

\+ sign 420.749+/-0.091 χ^2/NDF: 2011562.5/21

All: 420.778+/-0.065 χ^2/NDF: 4130697.1/45

\- sign 420.808+/-0.091 χ^2/NDF: 2119134.4/23

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

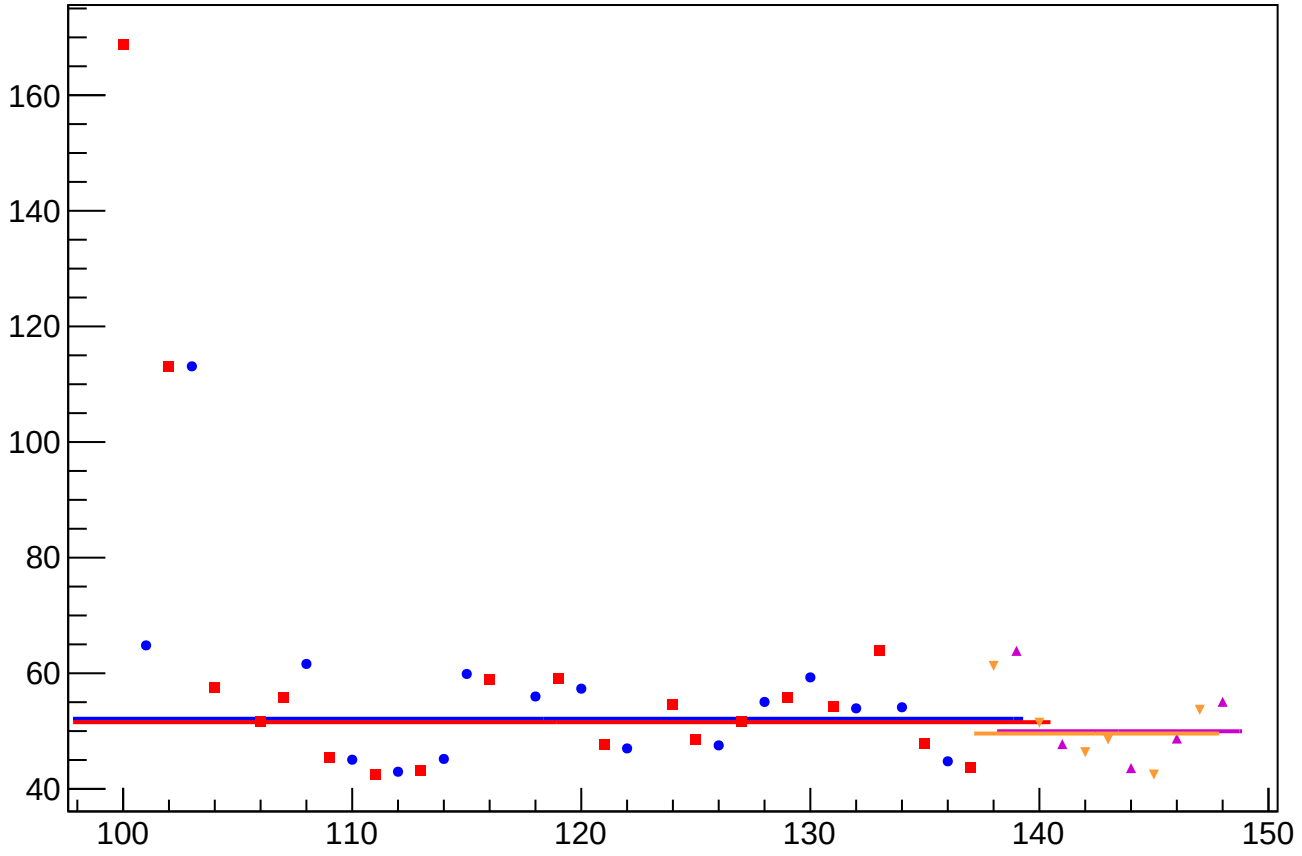
Left In: -40.861+/-24.247 χ^2/NDF:5.3/4

+ sign 37.880+/-15.280 χ^2/NDF: 26.1/21

All: -4.232+/-10.795 χ^2/NDF: 75.9/45

- sign -46.198+/-15.253 χ^2/NDF: 34.6/23

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

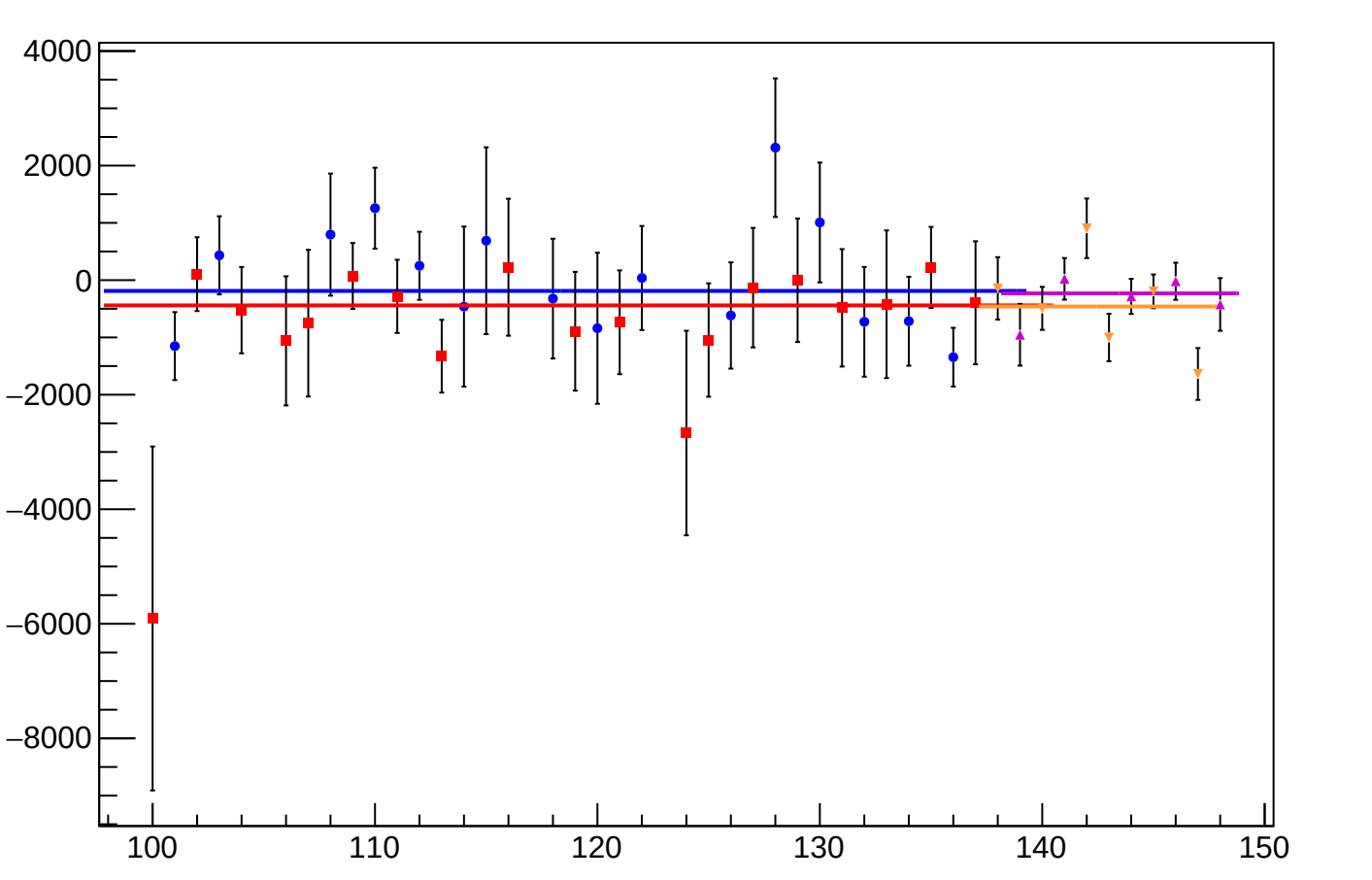
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 51.067+/-0.011 χ^2/NDF: 692632.1/21

All: 50.993+/-0.008 χ^2/NDF: 1474151.1/45

- sign 50.918+/-0.011 χ^2/NDF: 781422.9/23



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -459.809+/-165.778 χ^2/NDF:16.5/5

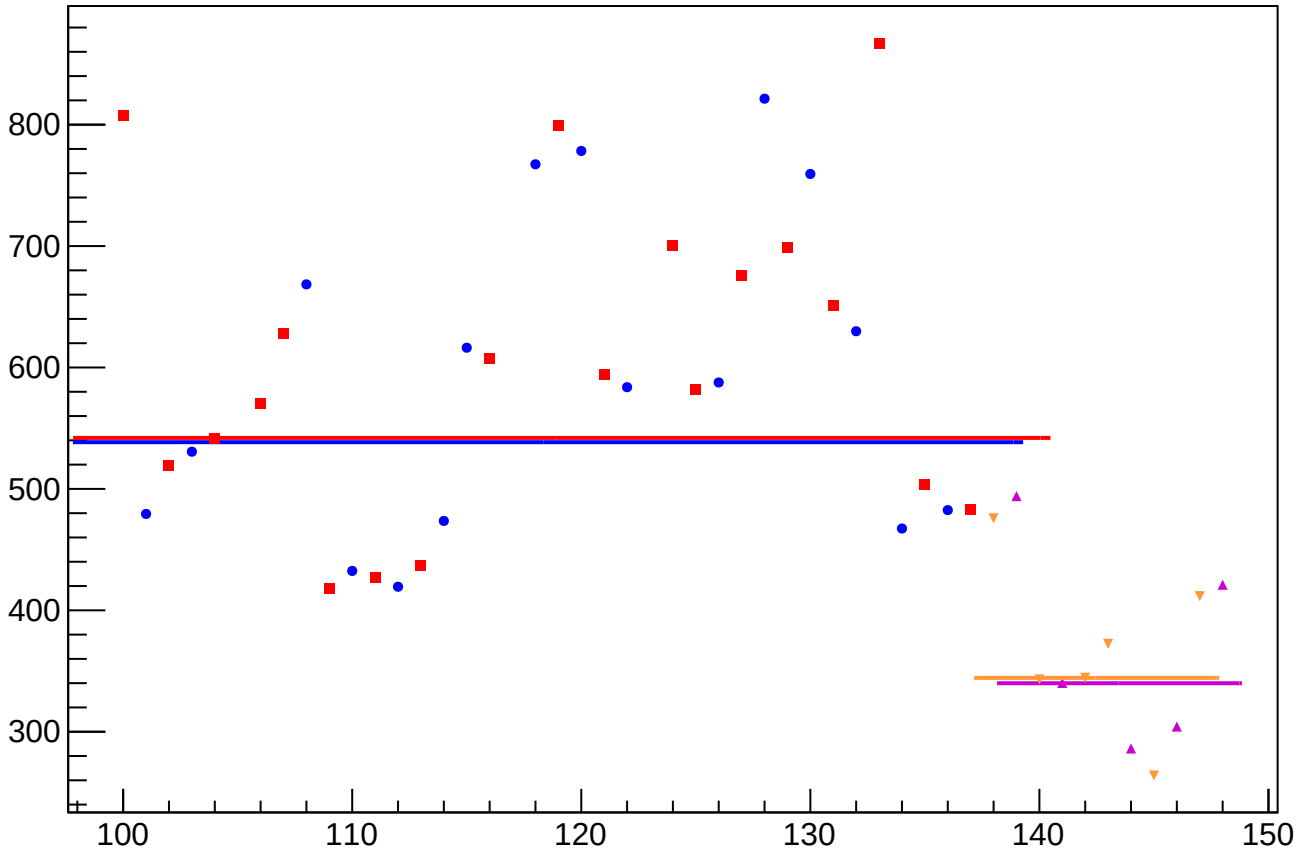
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -231.681+/-166.709 χ^2/NDF:2.9/4

+ sign -353.066+/-129.105 χ^2/NDF: 38.9/21

All: -334.289+/-91.295 χ^2/NDF: 53.4/45

- sign -315.509+/-129.116 χ^2/NDF: 14.4/23



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

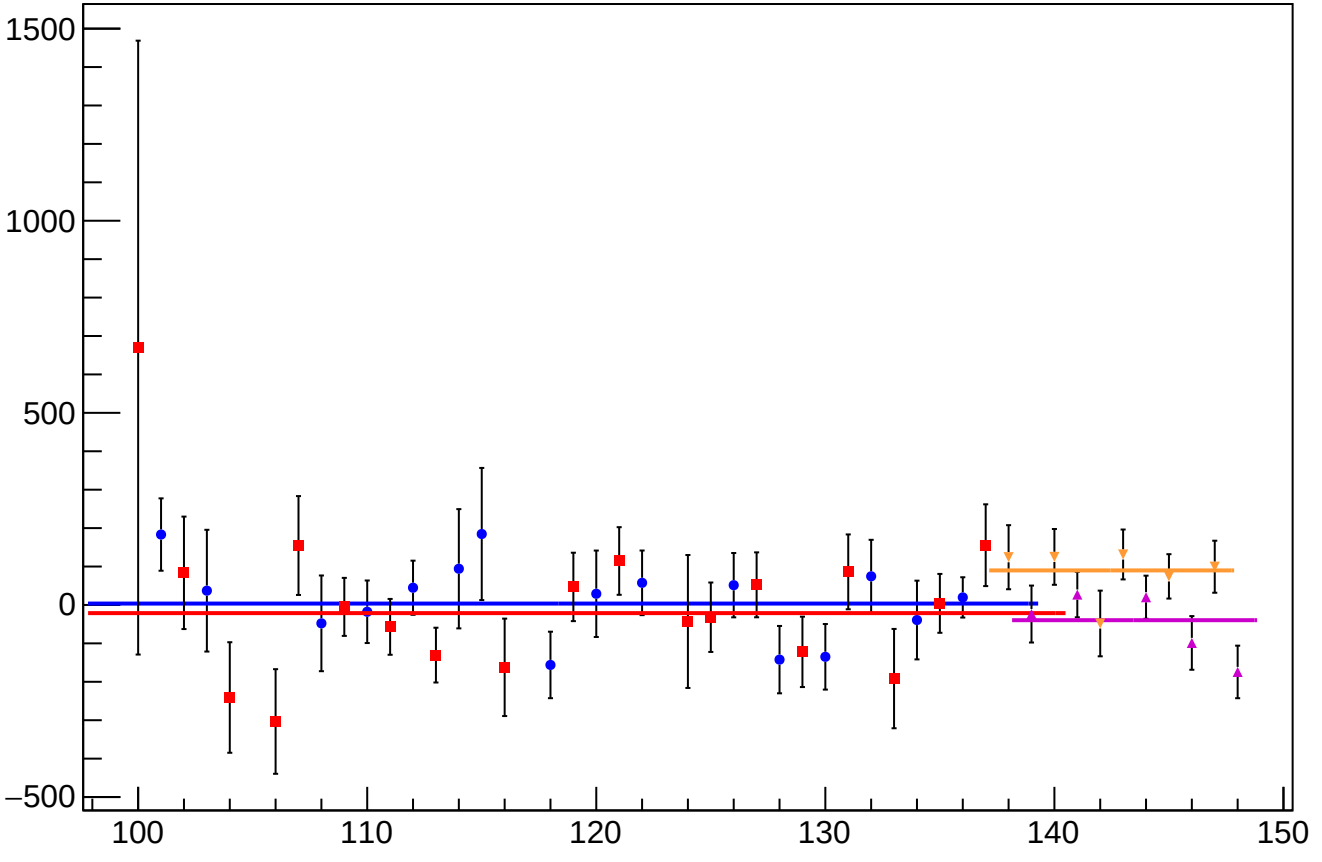
Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

+ sign 420.749+/-0.091 χ^2/NDF: 2011562.5/21

All: 420.778+/-0.065 χ^2/NDF: 4130697.1/45

- sign 420.808+/-0.091 χ^2/NDF: 2119134.4/23

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

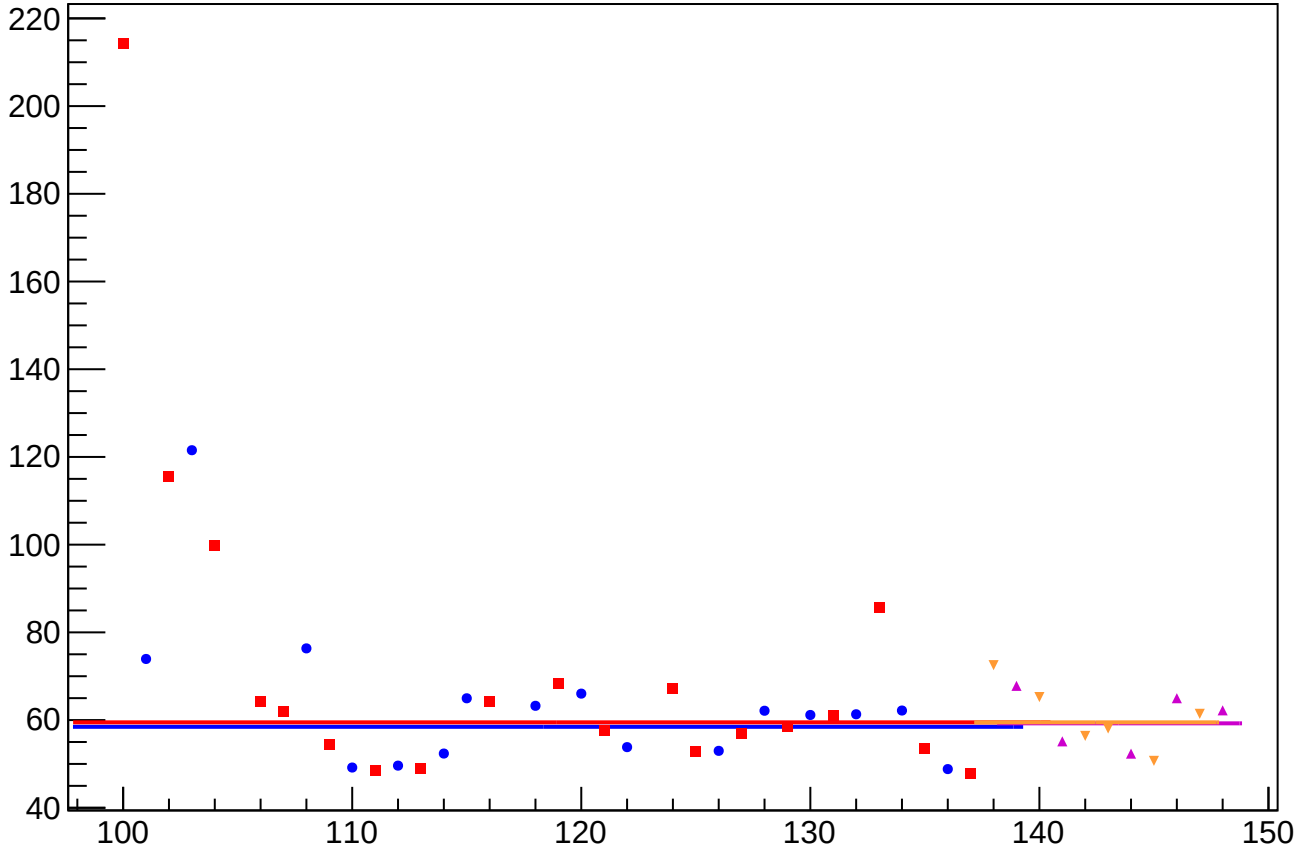
Left In: -39.645+/-28.819 χ^2/NDF:7.0/4

+ sign 36.597+/-17.666 χ^2/NDF: 25.3/21

All: 4.504+/-12.562 χ^2/NDF: 63.7/45

- sign -28.321+/-17.866 χ^2/NDF: 31.7/23

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

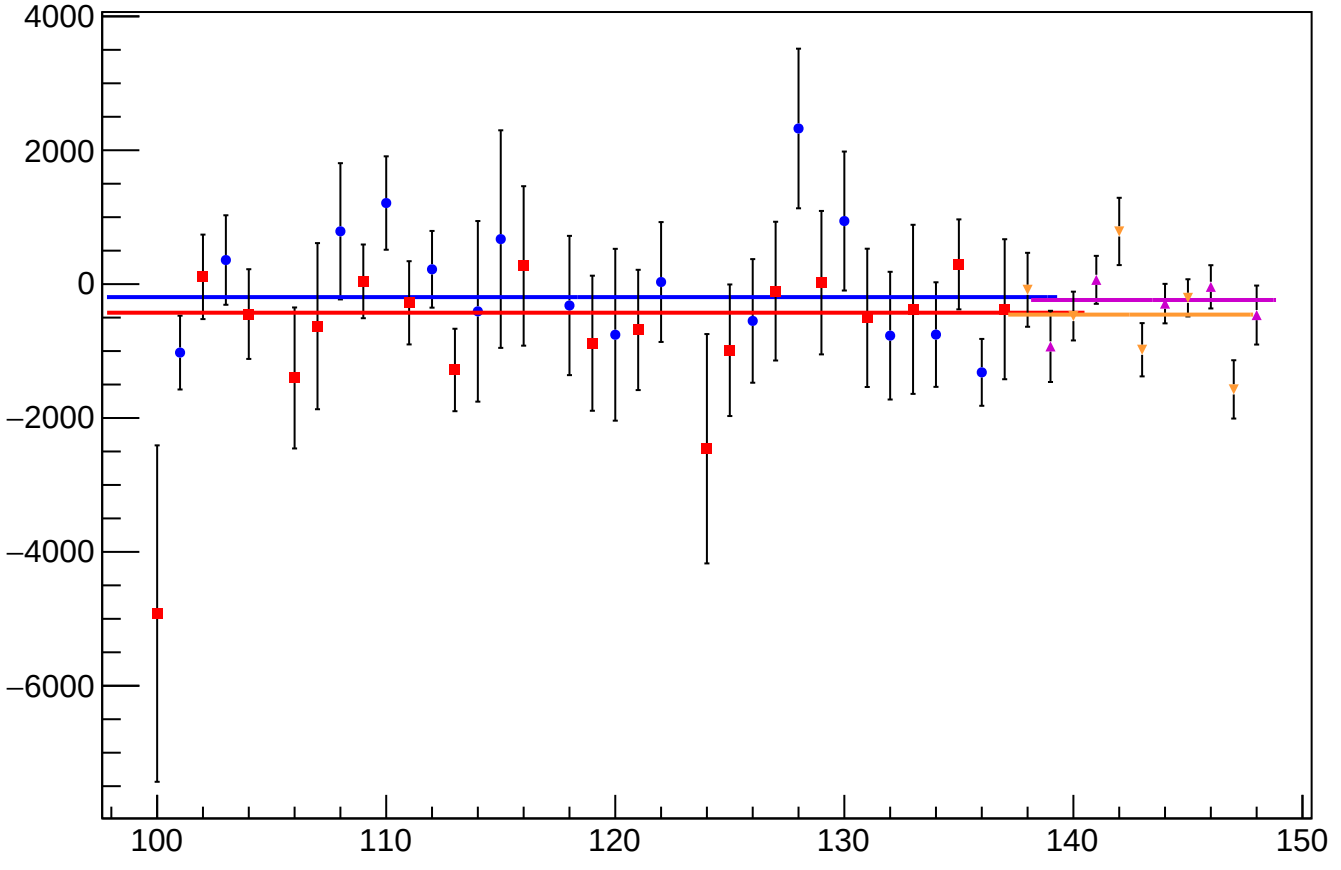
Left In: 59.256+/-0.020 χ^2/NDF:83755.7/4

+ sign 58.855+/-0.012 χ^2/NDF: 697548.5/21

All: 59.122+/-0.009 χ^2/NDF: 1567190.8/45

- sign 59.396+/-0.013 χ^2/NDF: 868713.1/23

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

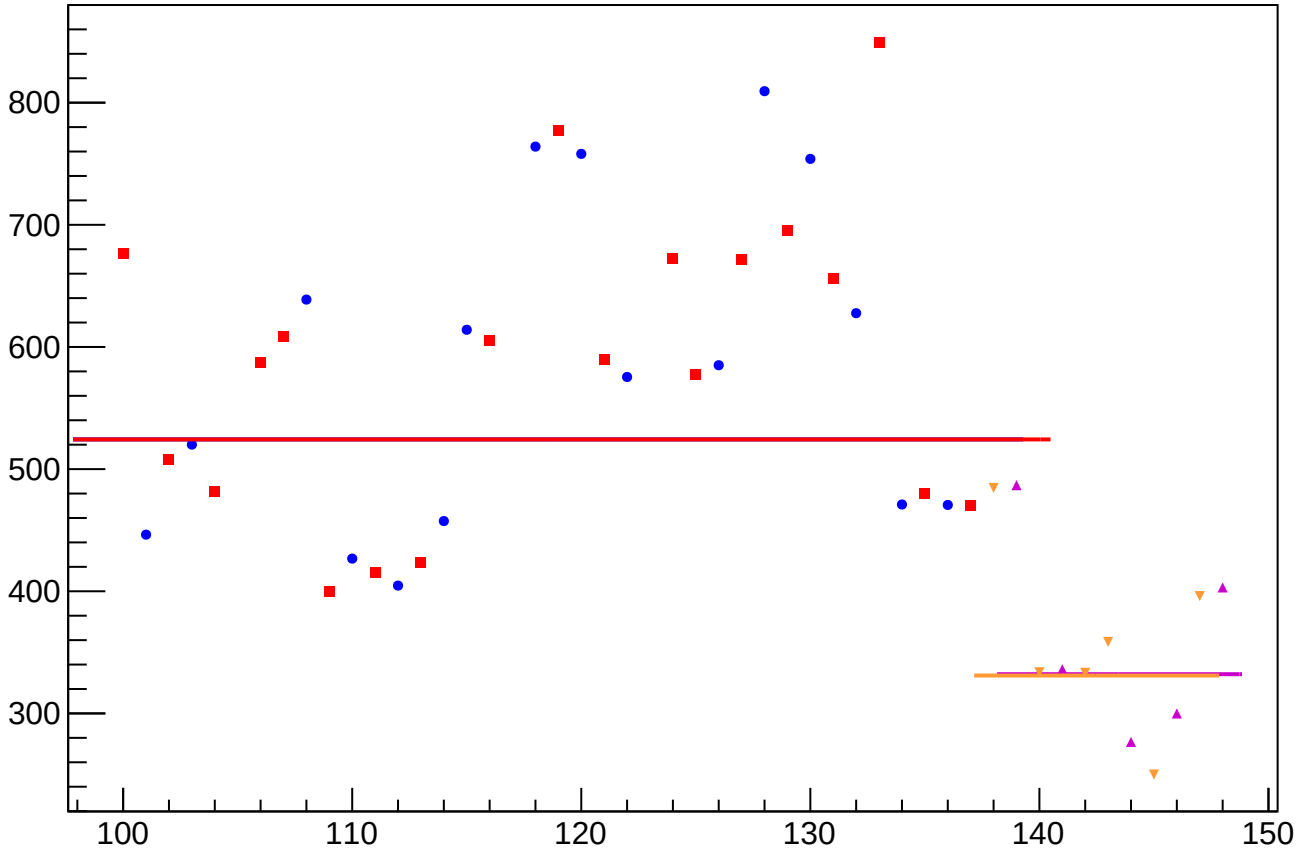
Left In: -237.032+/-163.190 χ^2/NDF:3.1/4

+ sign -354.041+/-124.863 χ^2/NDF: 37.5/21

All: -334.313+/-88.576 χ^2/NDF: 52.5/45

- sign -314.328+/-125.673 χ^2/NDF: 14.9/23

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

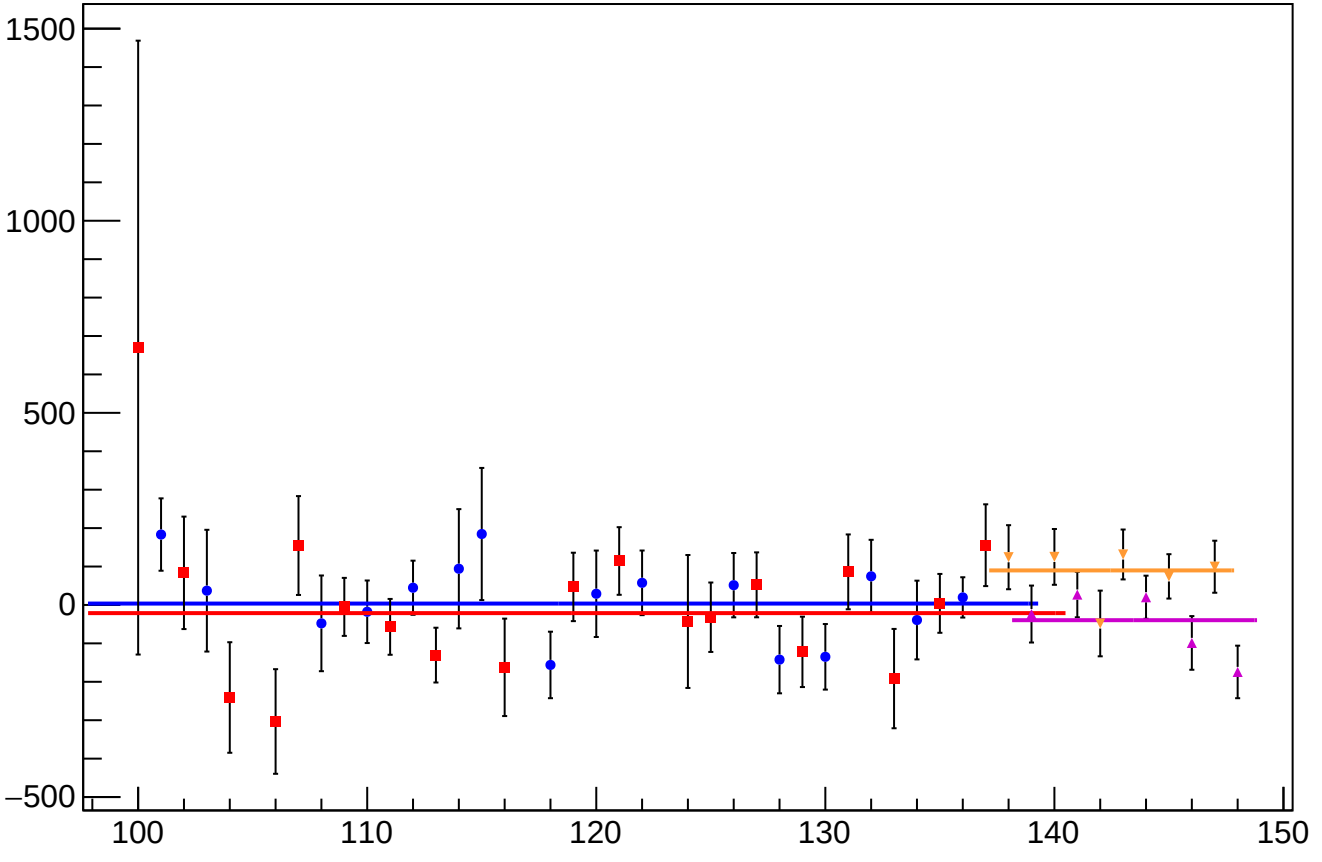
Left In: 332.110+/-0.115 χ^2/NDF:311996.0/4

+ sign 405.914+/-0.088 χ^2/NDF: 2174946.8/21

All: 408.104+/-0.063 χ^2/NDF: 4303170.2/45

- sign 410.322+/-0.089 χ^2/NDF: 2126985.3/23

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

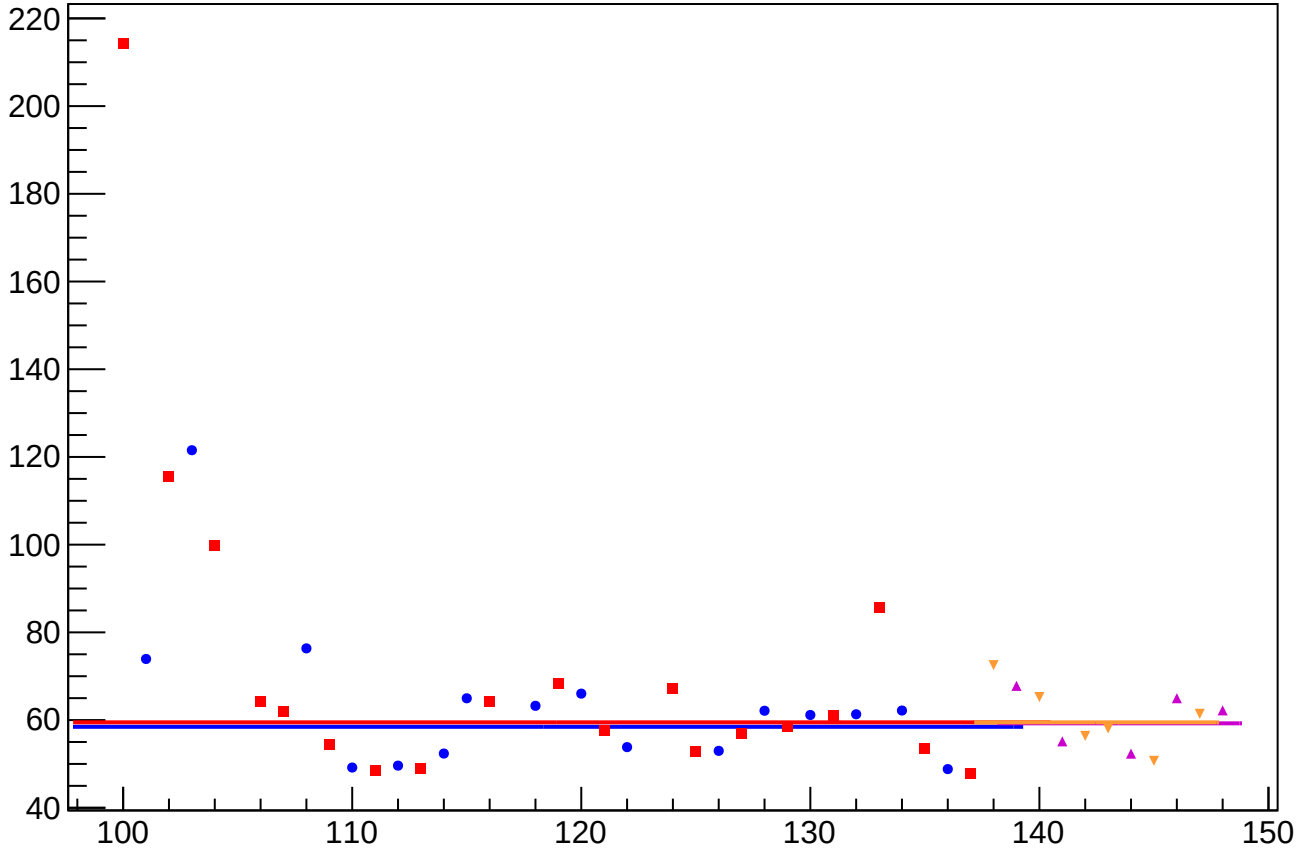
Left In: -39.646+/-28.820 χ^2/NDF:7.0/4

+ sign 36.597+/-17.666 χ^2/NDF: 25.3/21

All: 4.504+/-12.562 χ^2/NDF: 63.7/45

- sign -28.321+/-17.866 χ^2/NDF: 31.7/23

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

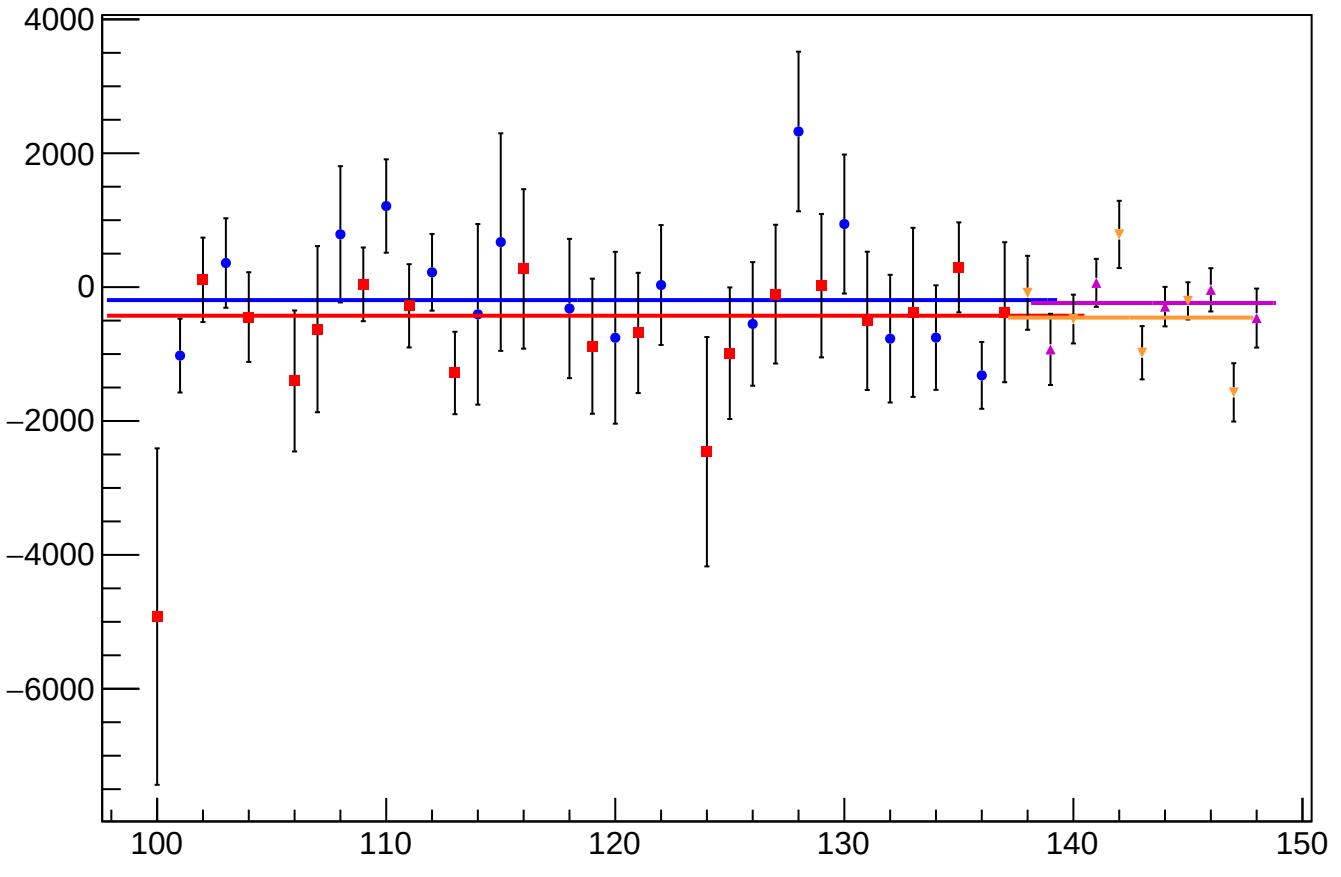
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 59.256+/-0.020 χ^2/NDF:83754.4/4

+ sign 58.855+/-0.012 χ^2/NDF: 697544.9/21

All: 59.123+/-0.009 χ^2/NDF: 1567186.0/45

- sign 59.396+/-0.013 χ^2/NDF: 868711.9/23



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -455.326+/-159.535 χ^2/NDF:15.7/5

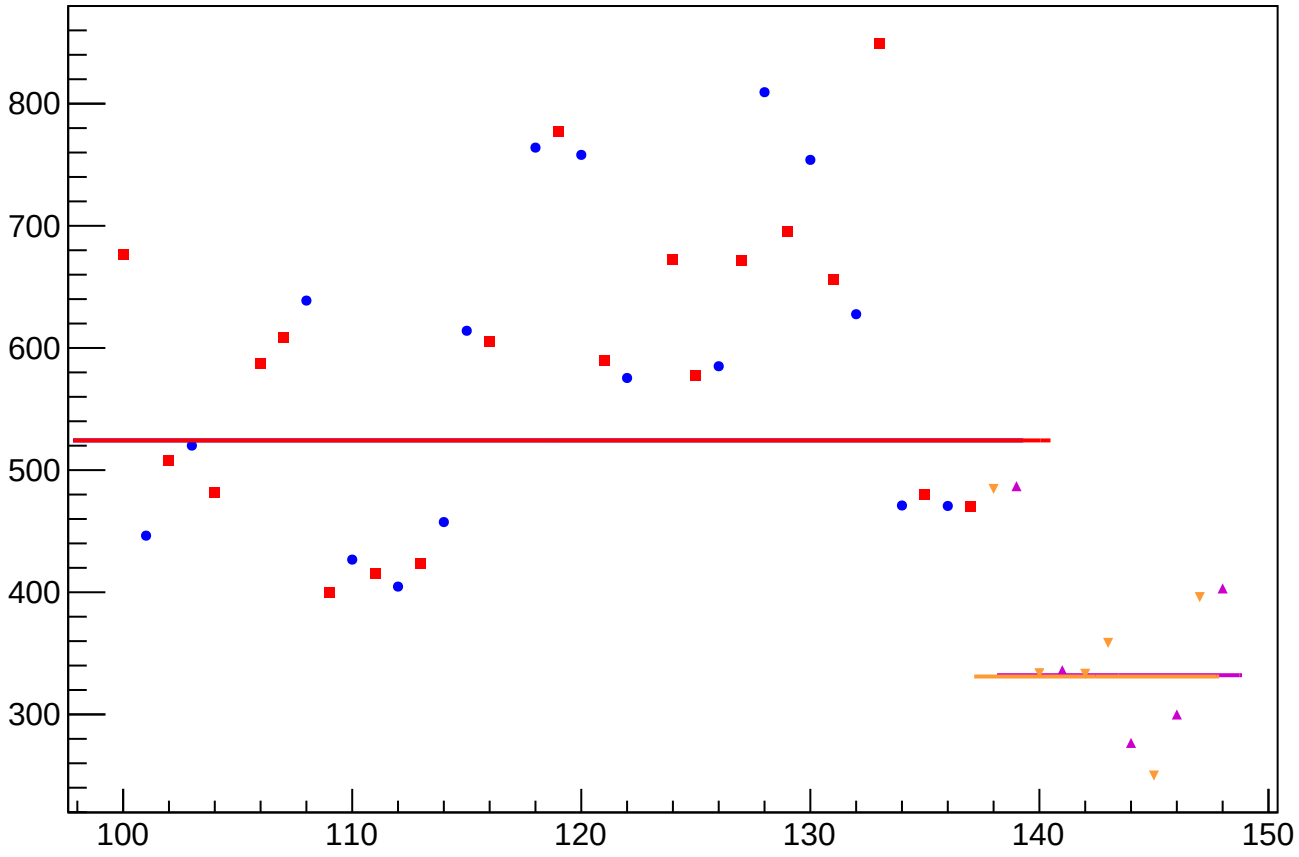
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -237.032+/-163.190 χ^2/NDF:3.1/4

+ sign -354.041+/-124.863 χ^2/NDF: 37.5/21

All: -334.313+/-88.576 χ^2/NDF: 52.5/45

- sign -314.328+/-125.673 χ^2/NDF: 14.9/23



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

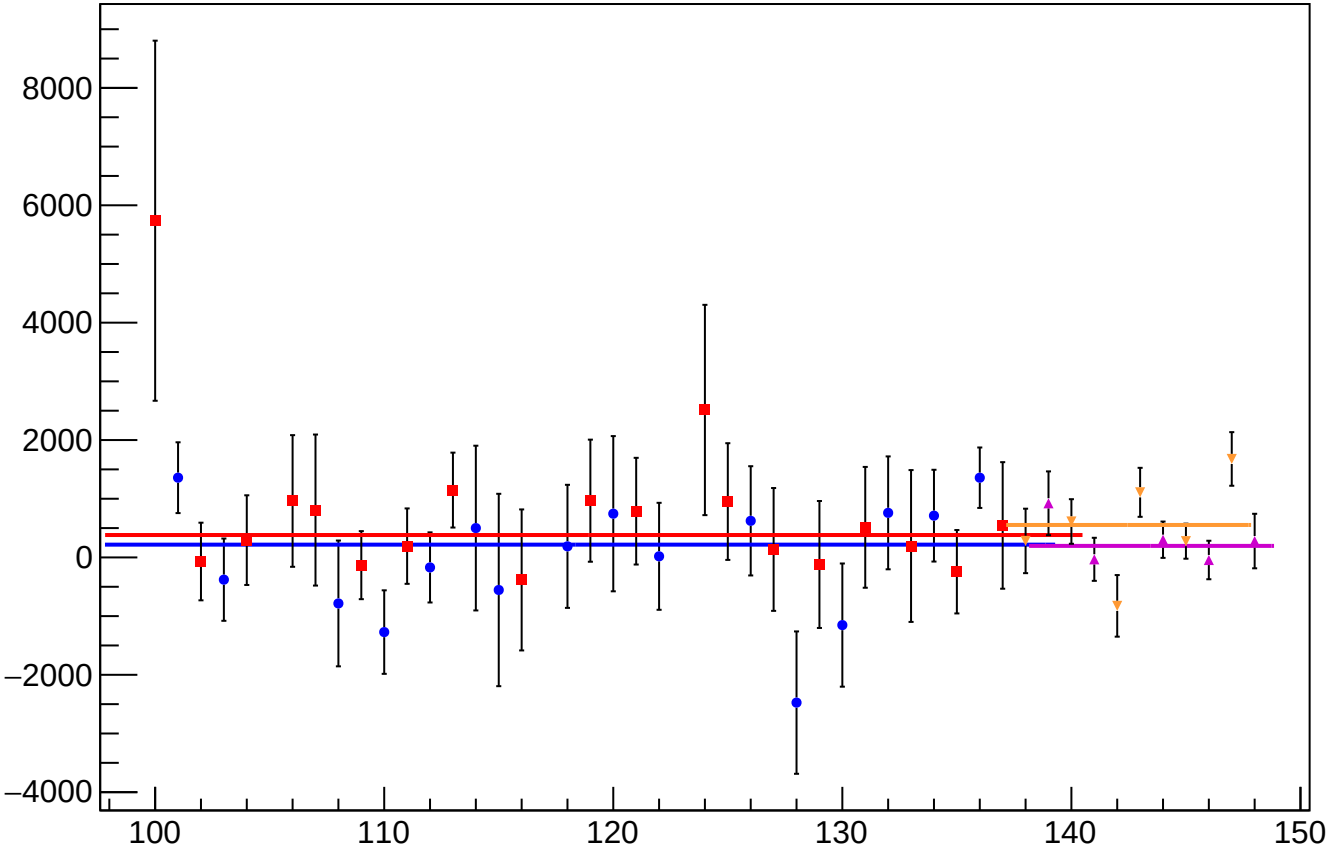
Left In: 332.110+/-0.115 χ^2/NDF:311997.5/4

+ sign 405.914+/-0.088 χ^2/NDF: 2174944.5/21

All: 408.104+/-0.063 χ^2/NDF: 4303161.8/45

- sign 410.322+/-0.089 χ^2/NDF: 2126979.2/23

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

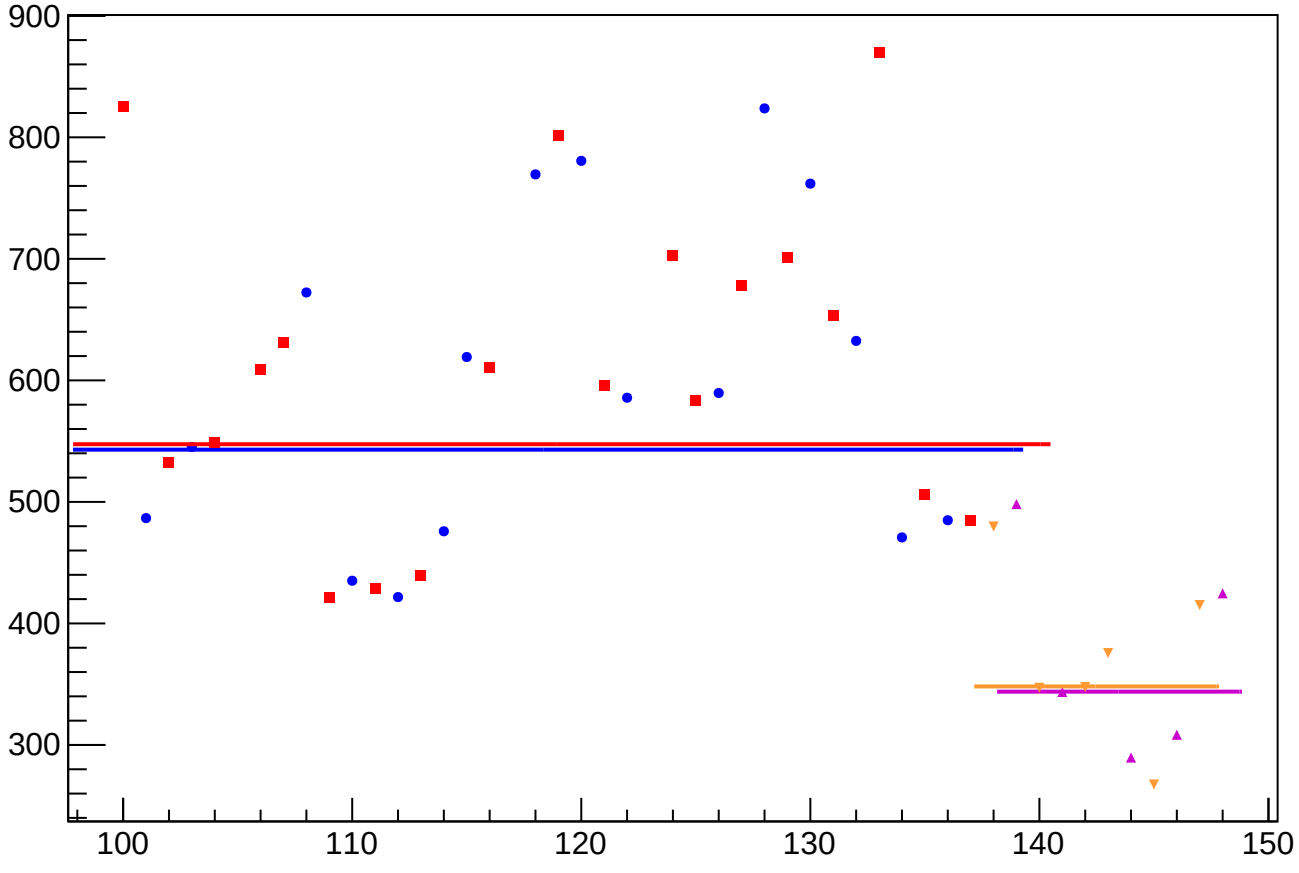
Left In: 196.598+/-168.570 χ^2/NDF:2.9/4

+ sign 420.703+/-130.362 χ^2/NDF: 40.3/21

All: 345.881+/-92.176 χ^2/NDF: 54.3/45

- sign 271.069+/-130.353 χ^2/NDF: 13.3/23

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

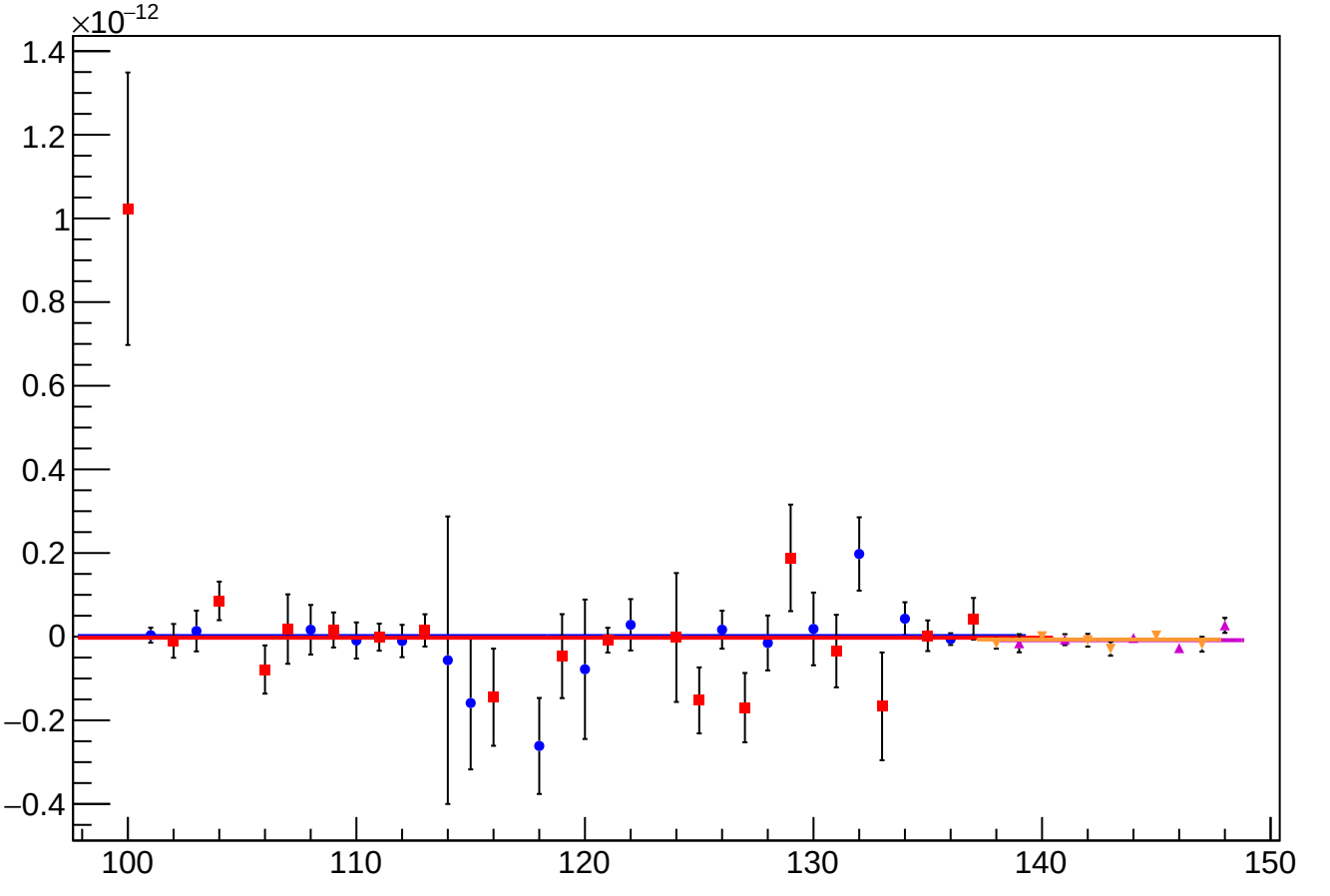
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 343.864+/-0.119 χ^2/NDF:306756.6/4

+ sign 425.080+/-0.092 χ^2/NDF: 1984925.2/21

All: 425.398+/-0.065 χ^2/NDF: 4094961.7/45

- sign 425.717+/-0.092 χ^2/NDF: 2110012.5/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/5

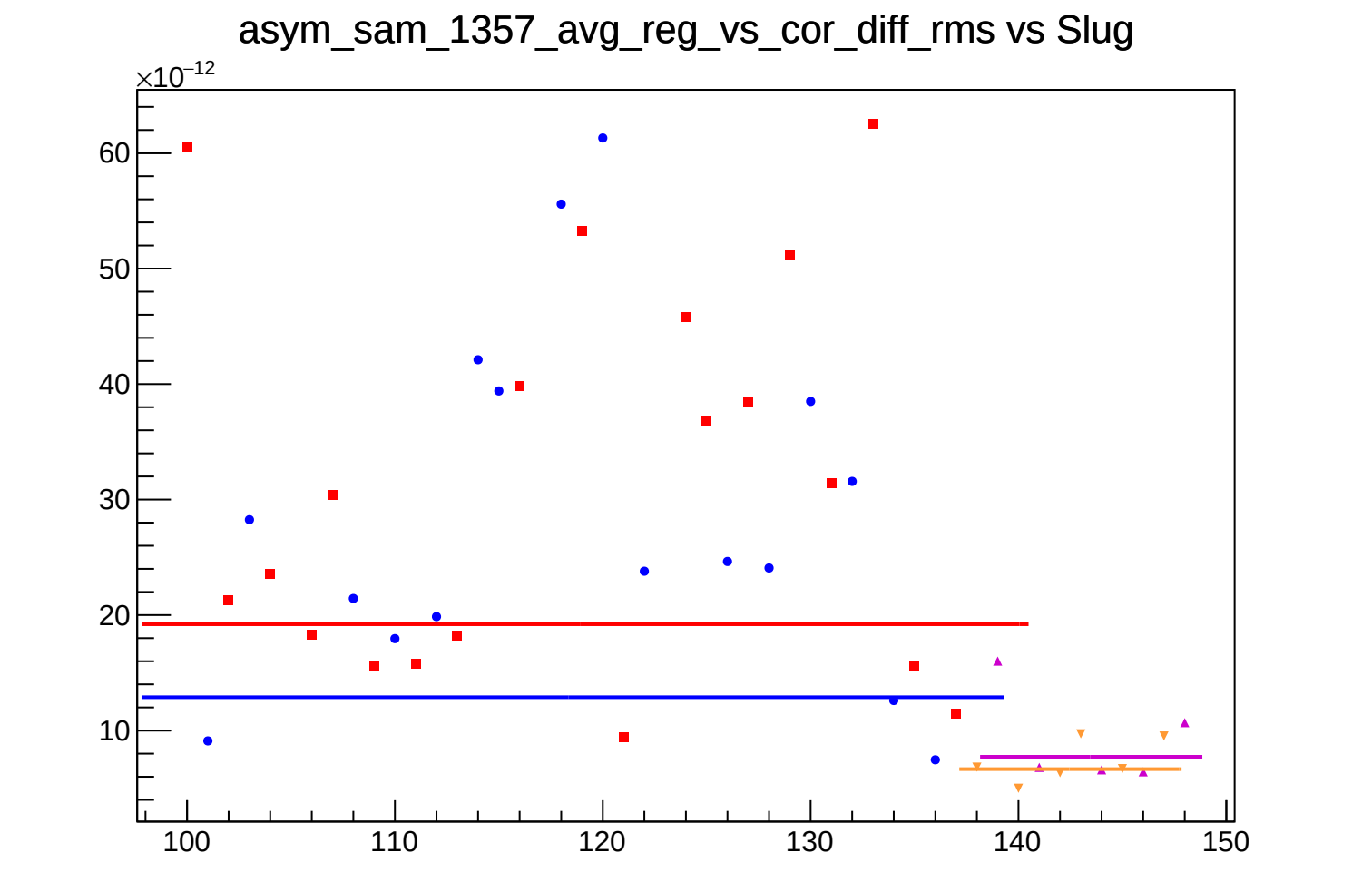
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.6/21

All: -0.000+/-0.000 χ^2/NDF: 56.1/45

- sign -0.000+/-0.000 χ^2/NDF: 37.4/23



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

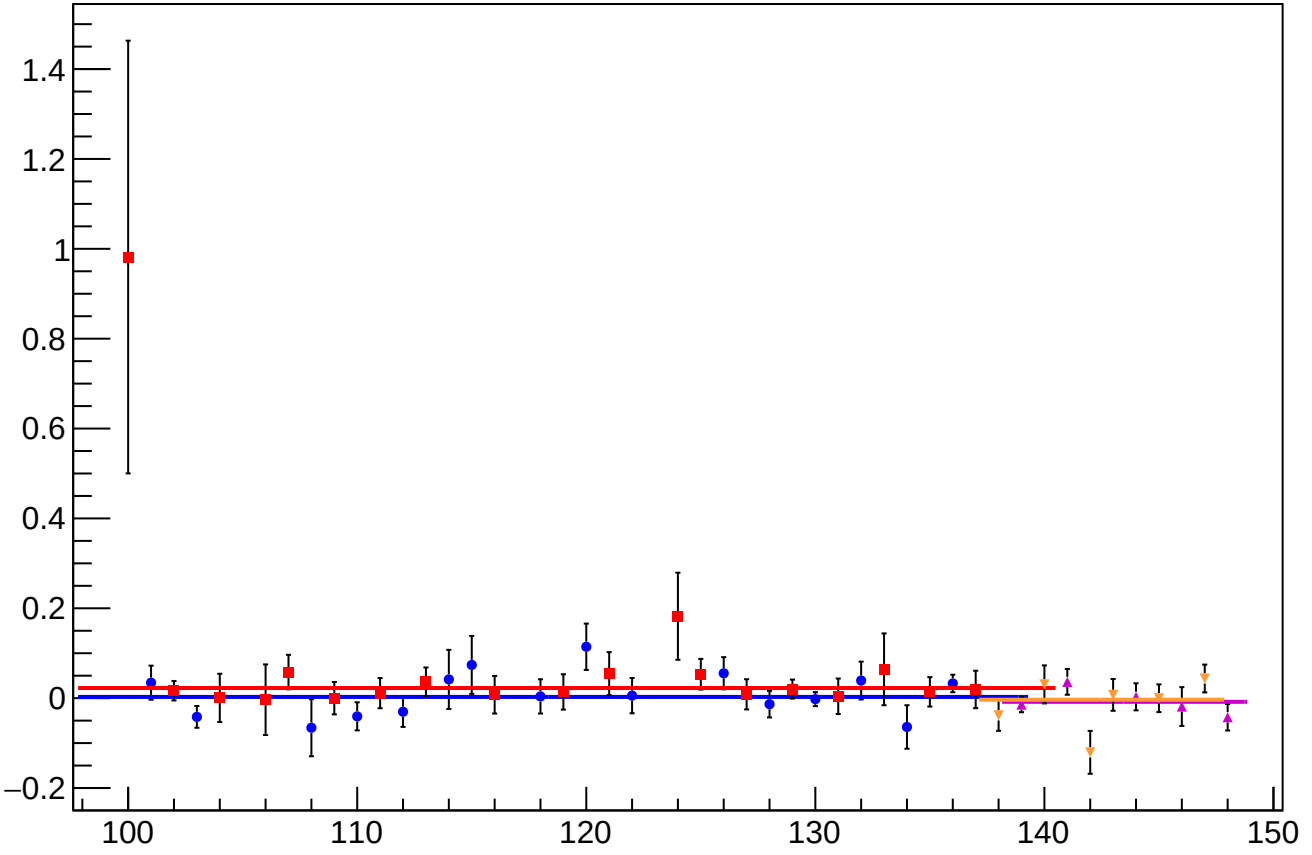
Left In: 0.000+/-0.000 χ^2/NDF:407102.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2665319.3/21

All: 0.000+/-0.000 χ^2/NDF: 6021821.6/45

- sign 0.000+/-0.000 χ^2/NDF: 3220927.1/23

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

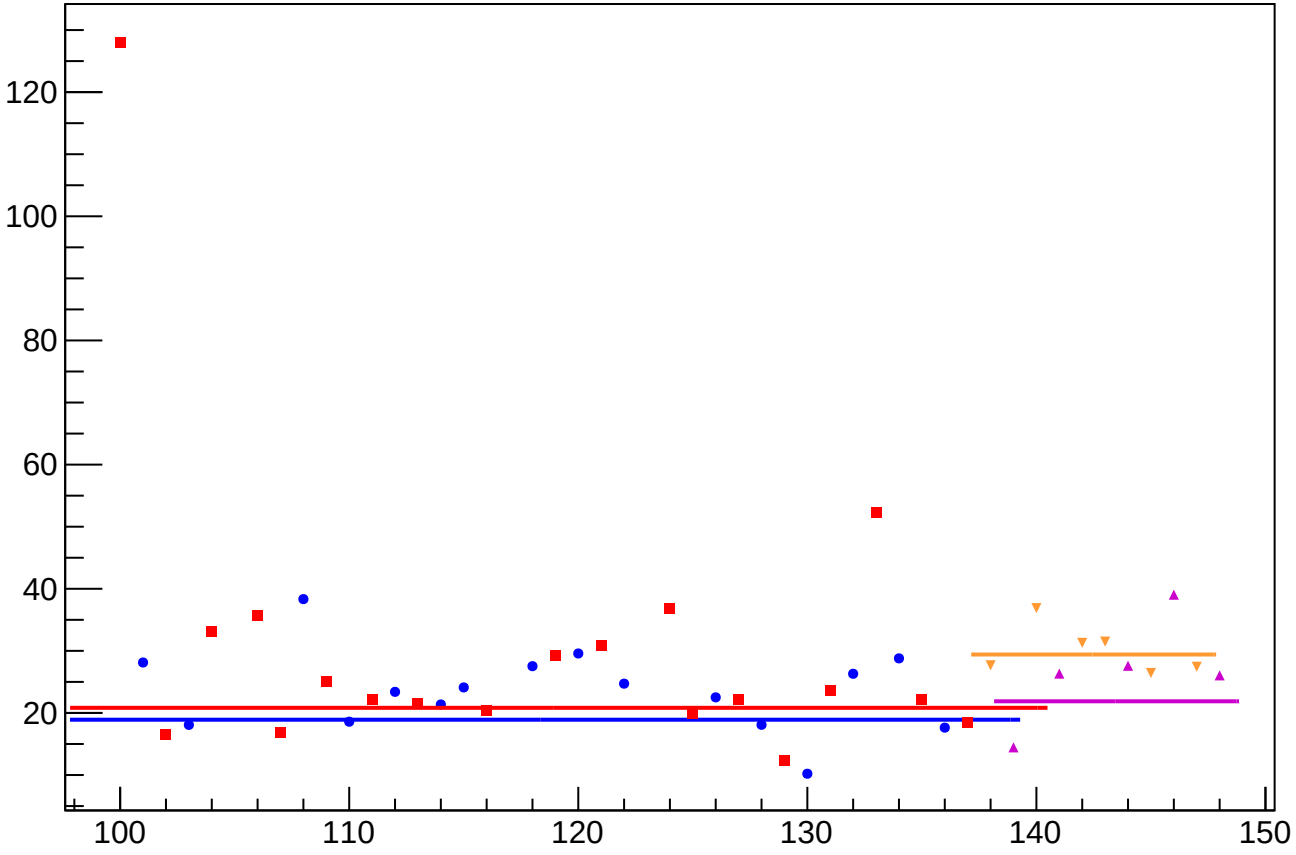
Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.007+/-0.005 χ^2/NDF: 52.9/45

- sign 0.012+/-0.007 χ^2/NDF: 19.5/23

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

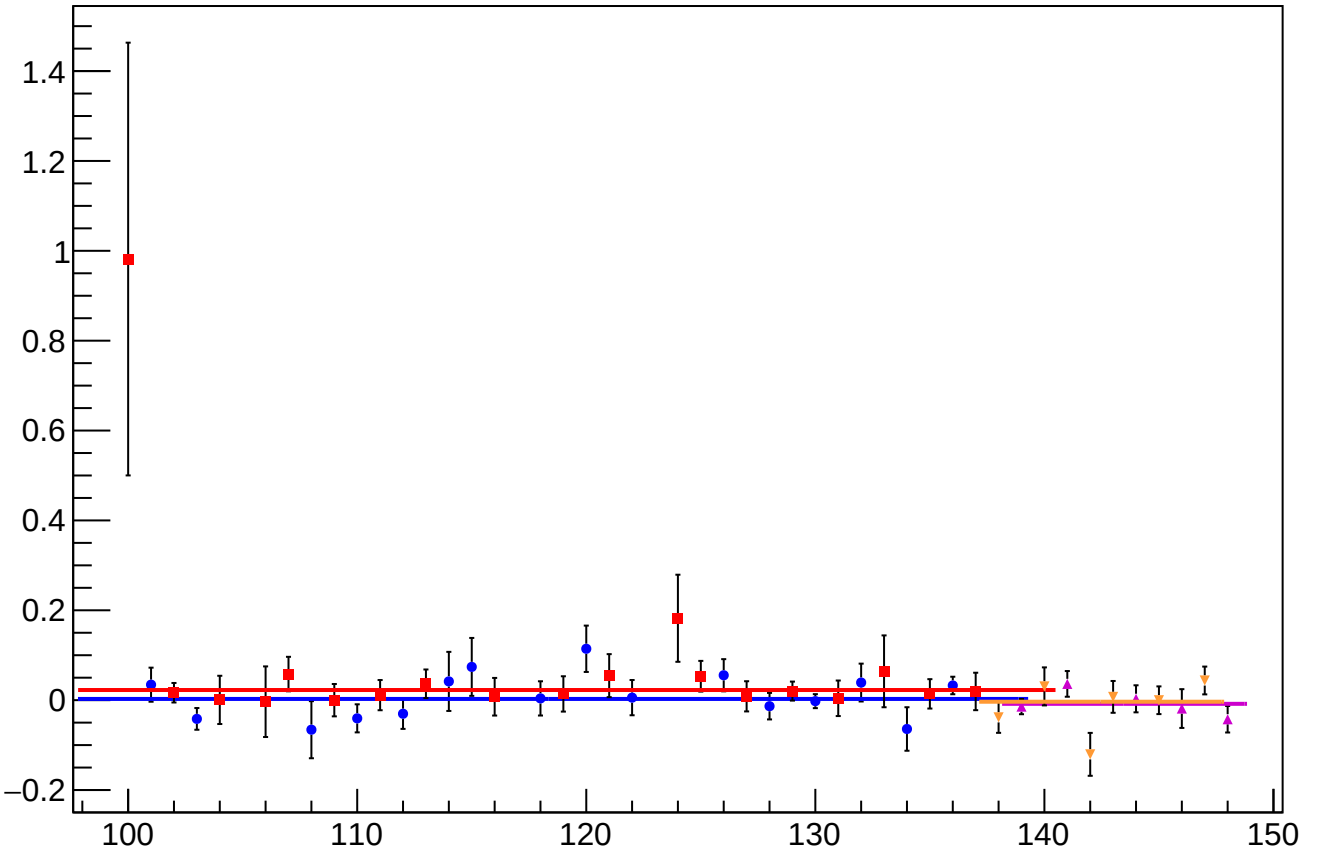
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

\+ sign 21.261+/-0.005 χ^2/NDF: 2305112.2/21

All: 21.227+/-0.003 χ^2/NDF: 4468746.6/45

\- sign 21.192+/-0.005 χ^2/NDF: 2163533.2/23



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

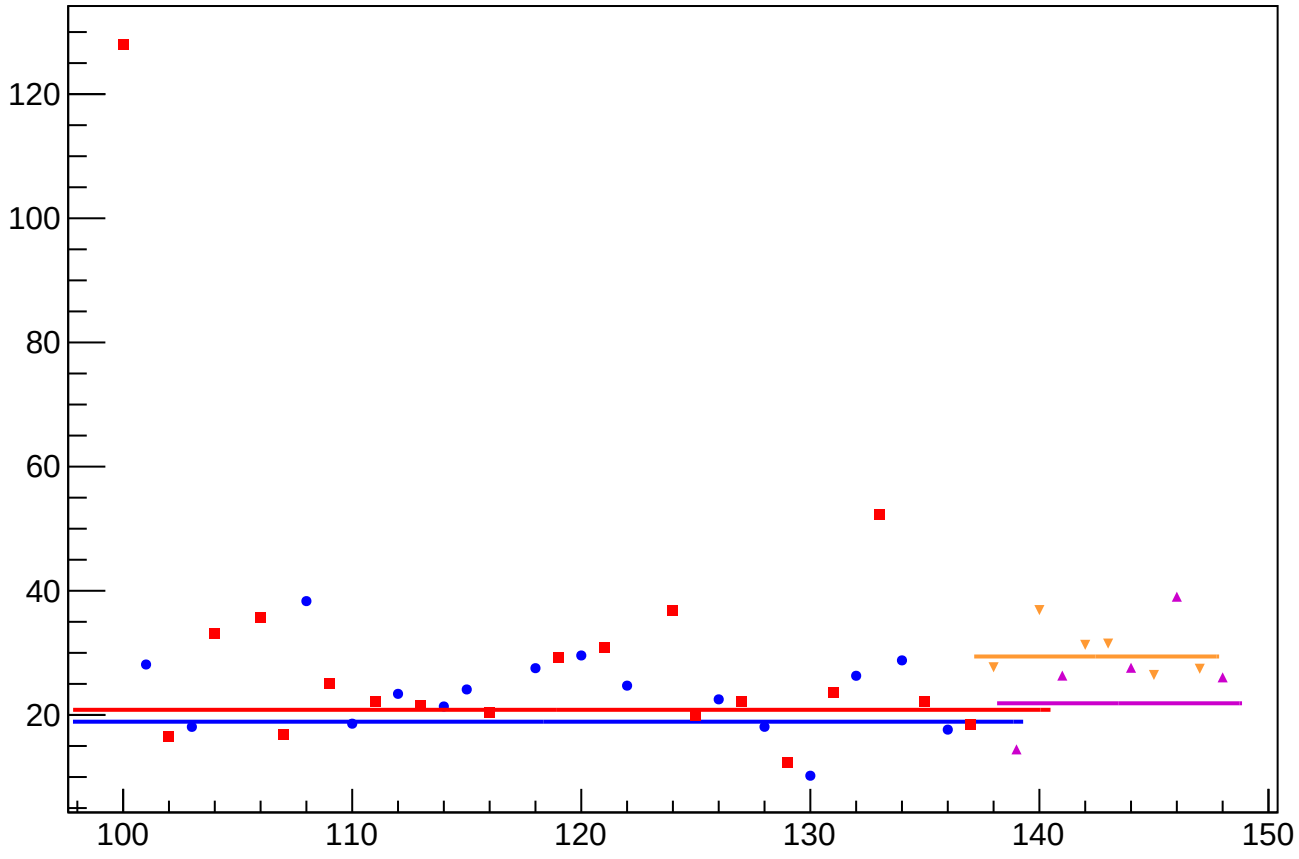
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.007+/-0.005 χ^2/NDF: 52.9/45

- sign 0.012+/-0.007 χ^2/NDF: 19.5/23



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.414+/-0.010 χ^2/NDF:104294.7/5

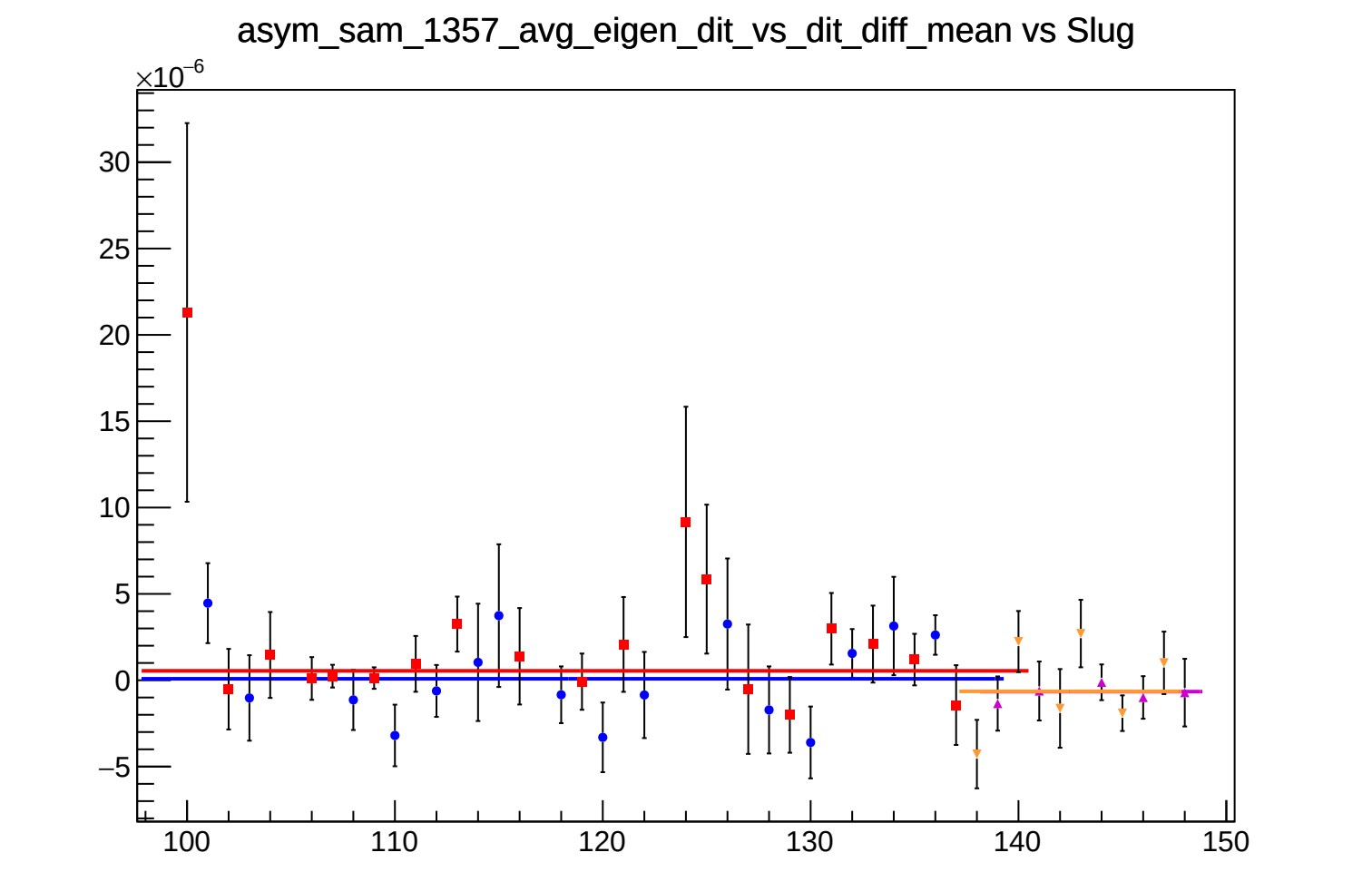
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

+ sign 21.261+/-0.005 χ^2/NDF: 2305112.2/21

All: 21.227+/-0.003 χ^2/NDF: 4468746.6/45

- sign 21.192+/-0.005 χ^2/NDF: 2163533.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/5

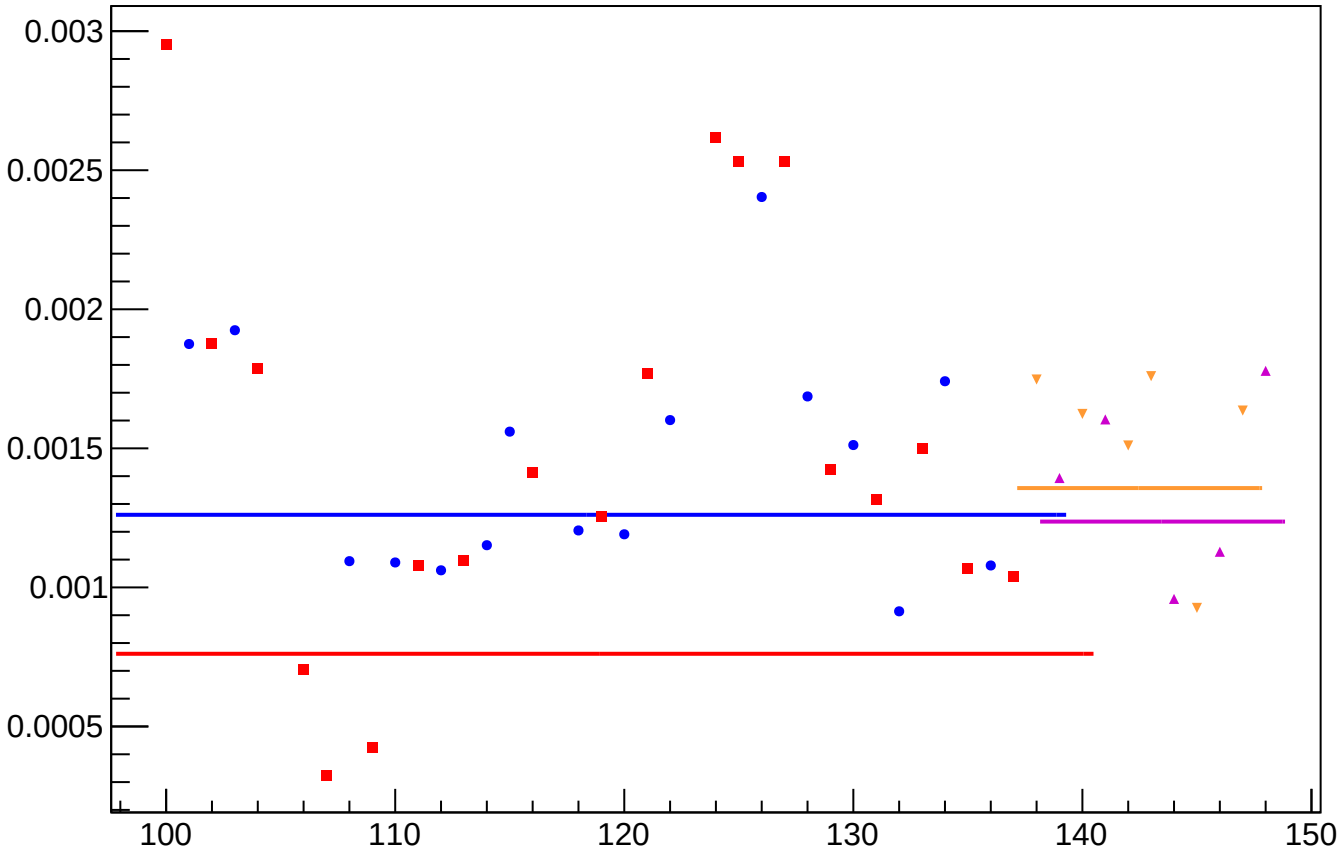
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/21

All: 0.000+/-0.000 χ^2/NDF: 55.7/45

- sign 0.000+/-0.000 χ^2/NDF: 19.1/23



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:612878.9/5

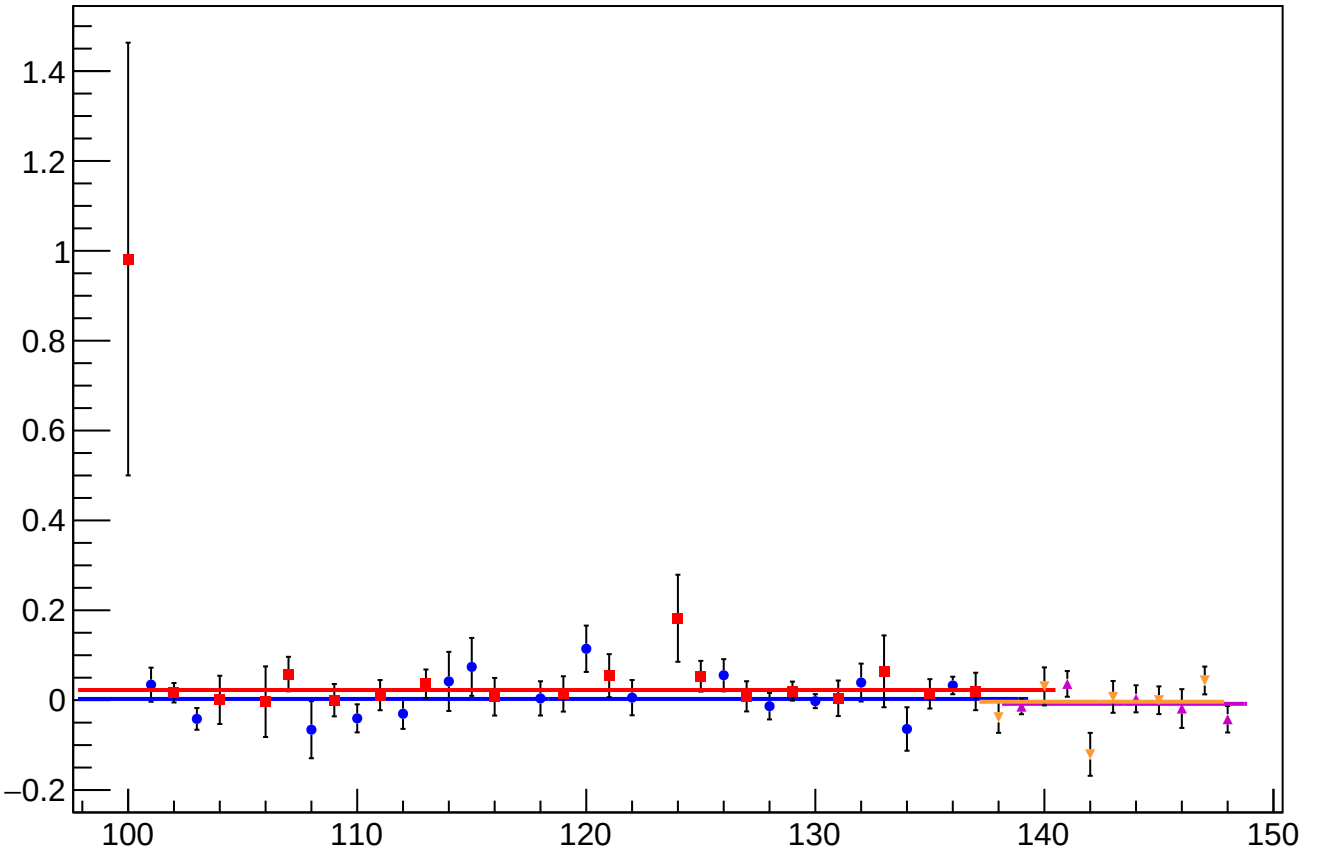
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:425617.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 1547472.9/21

All: 0.001+/-0.000 χ^2/NDF: 9036547.8/45

- sign 0.001+/-0.000 χ^2/NDF: 6004124.8/23



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

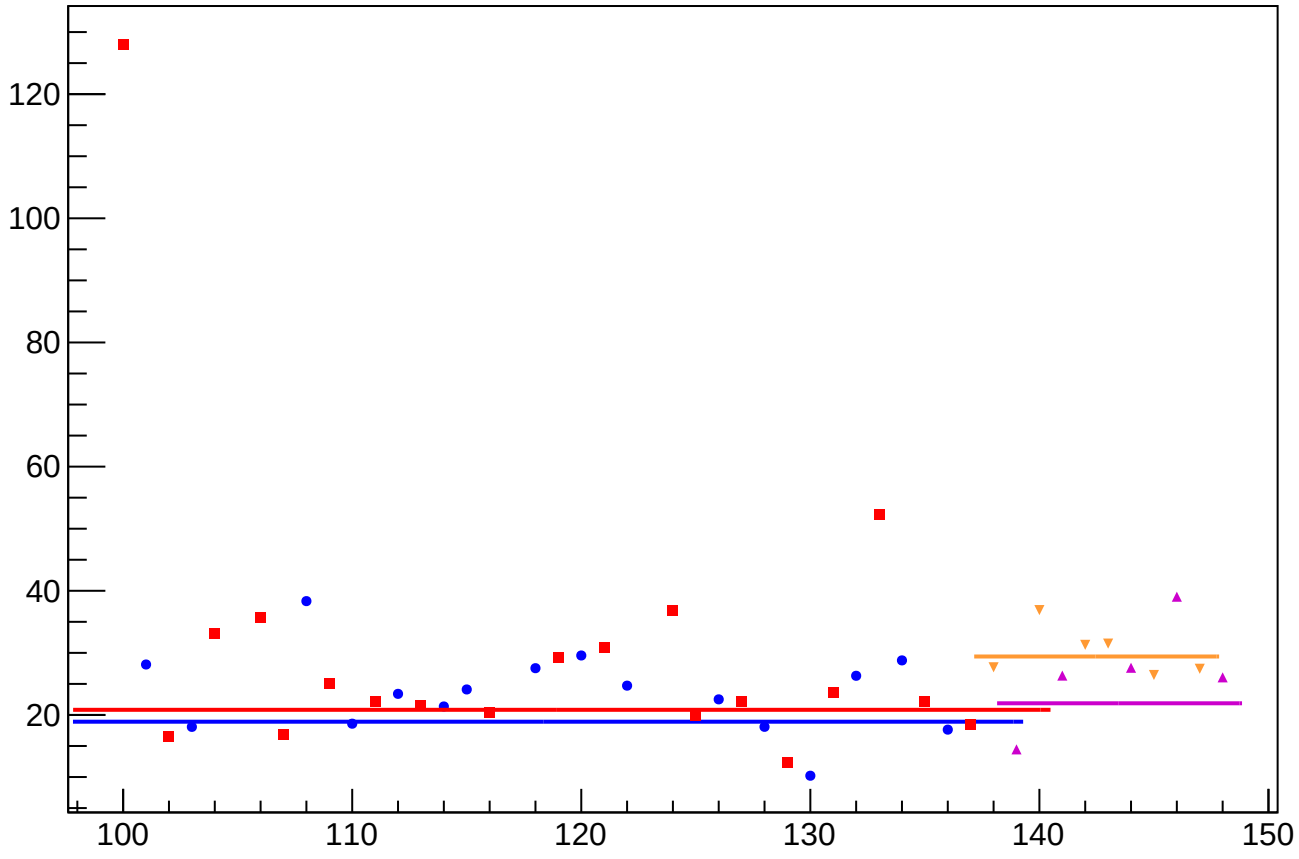
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.007+/-0.005 χ^2/NDF: 52.9/45

- sign 0.012+/-0.007 χ^2/NDF: 19.5/23



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.415+/-0.010 χ^2/NDF:104299.3/5

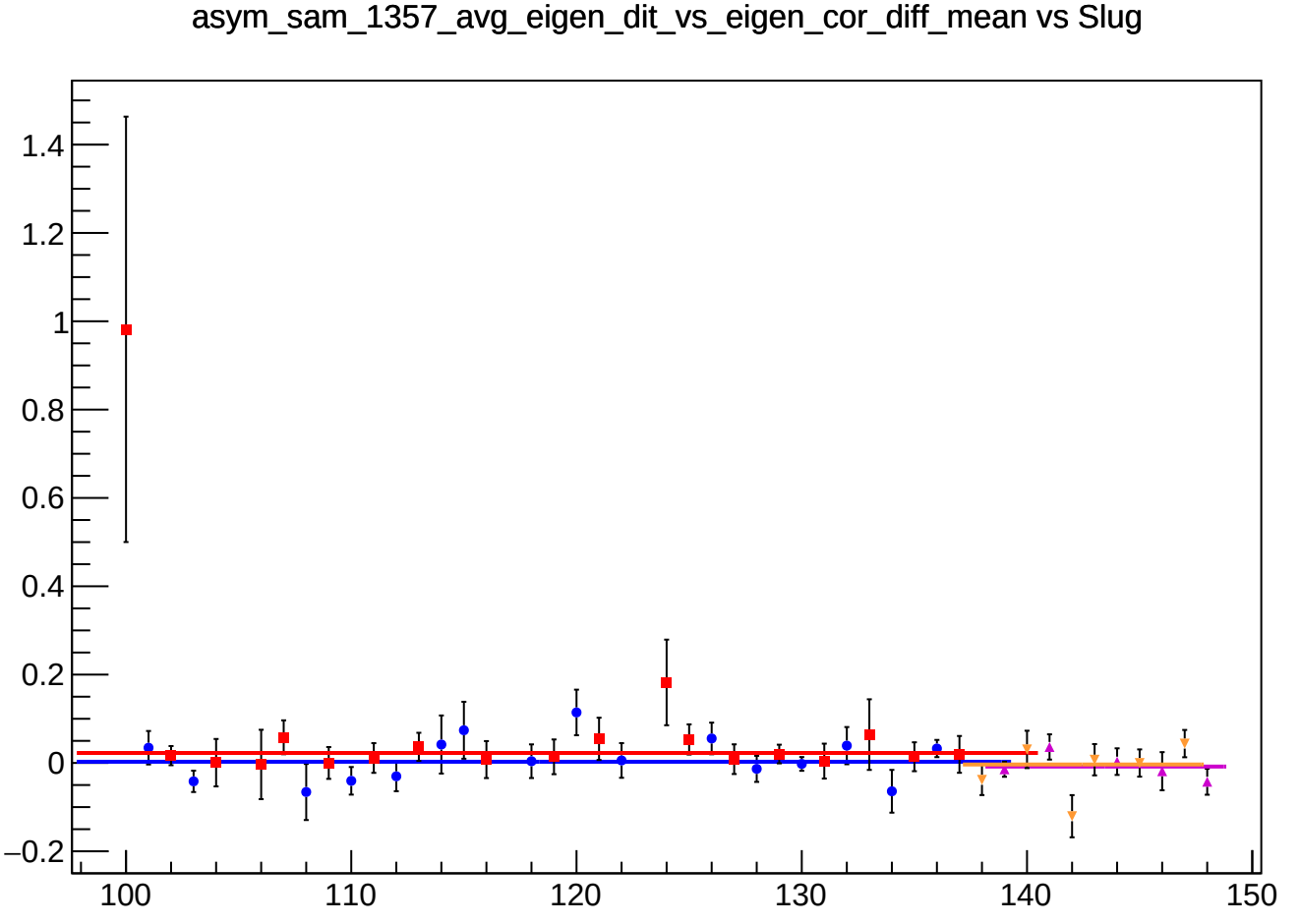
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

+ sign 21.262+/-0.005 χ^2/NDF: 2304988.1/21

All: 21.227+/-0.003 χ^2/NDF: 4468559.3/45

- sign 21.193+/-0.005 χ^2/NDF: 2163469.9/23



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

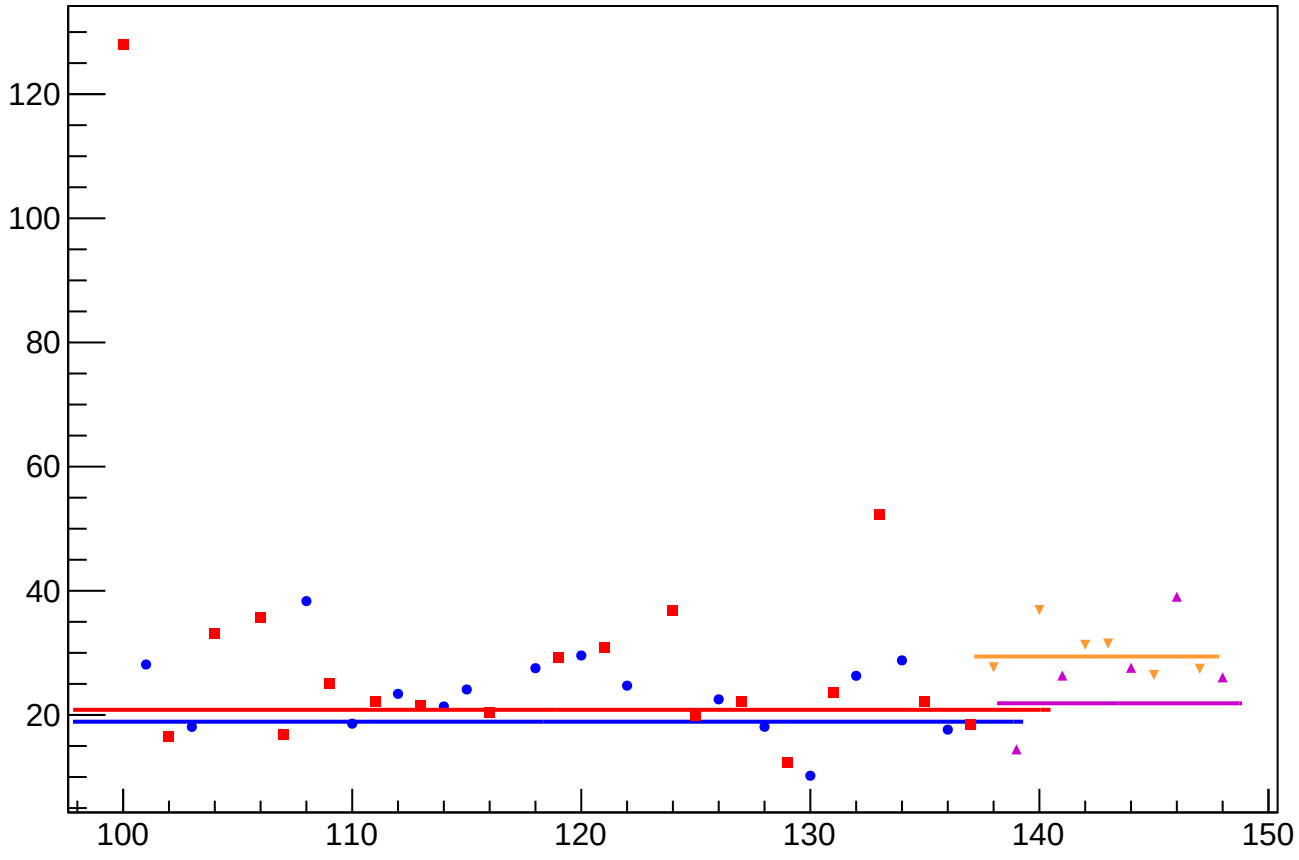
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.001+/-0.007 χ^2/NDF: 32.2/21

All: 0.007+/-0.005 χ^2/NDF: 52.9/45

- sign 0.012+/-0.007 χ^2/NDF: 19.5/23



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.415+/-0.010 χ^2/NDF:104299.3/5

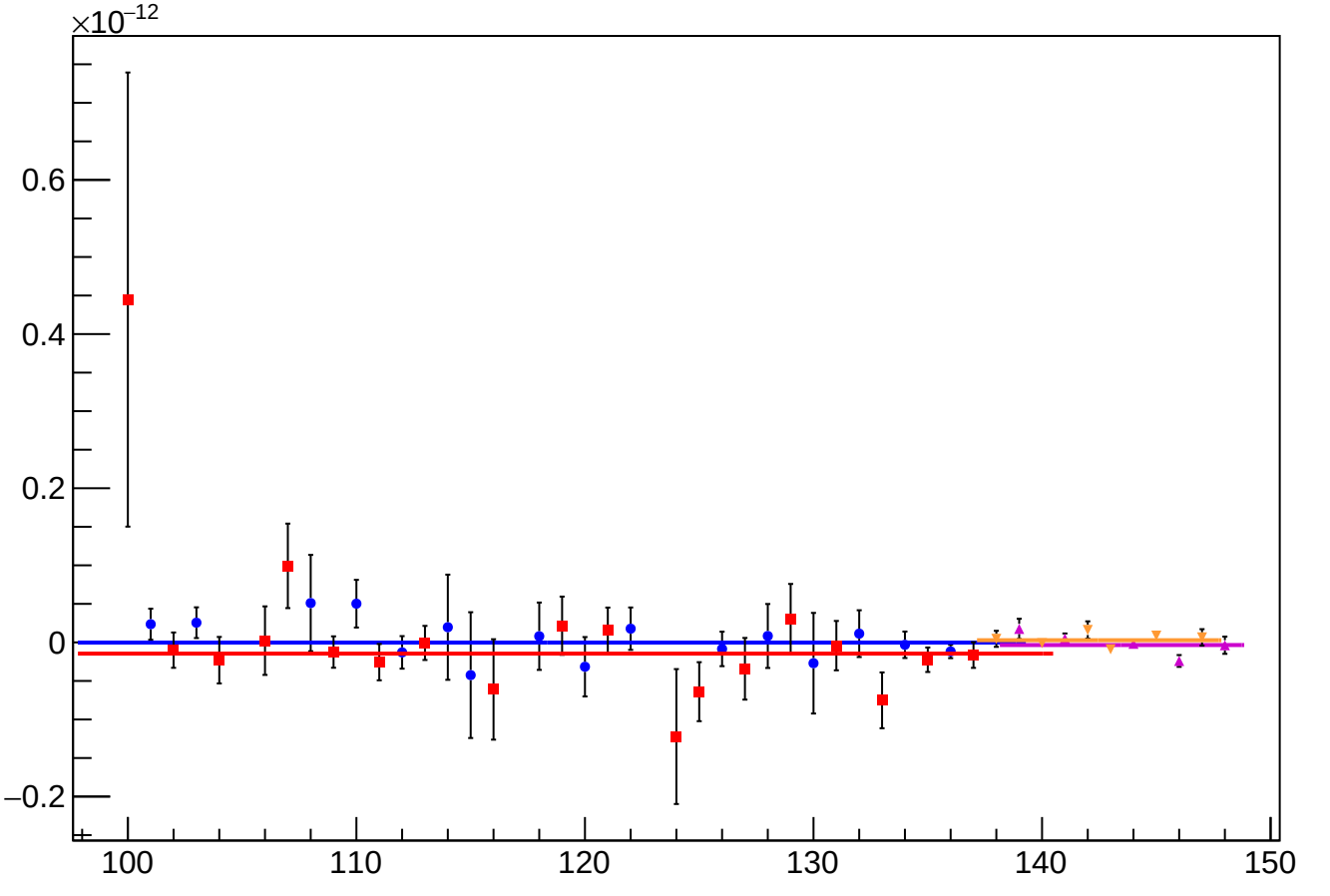
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

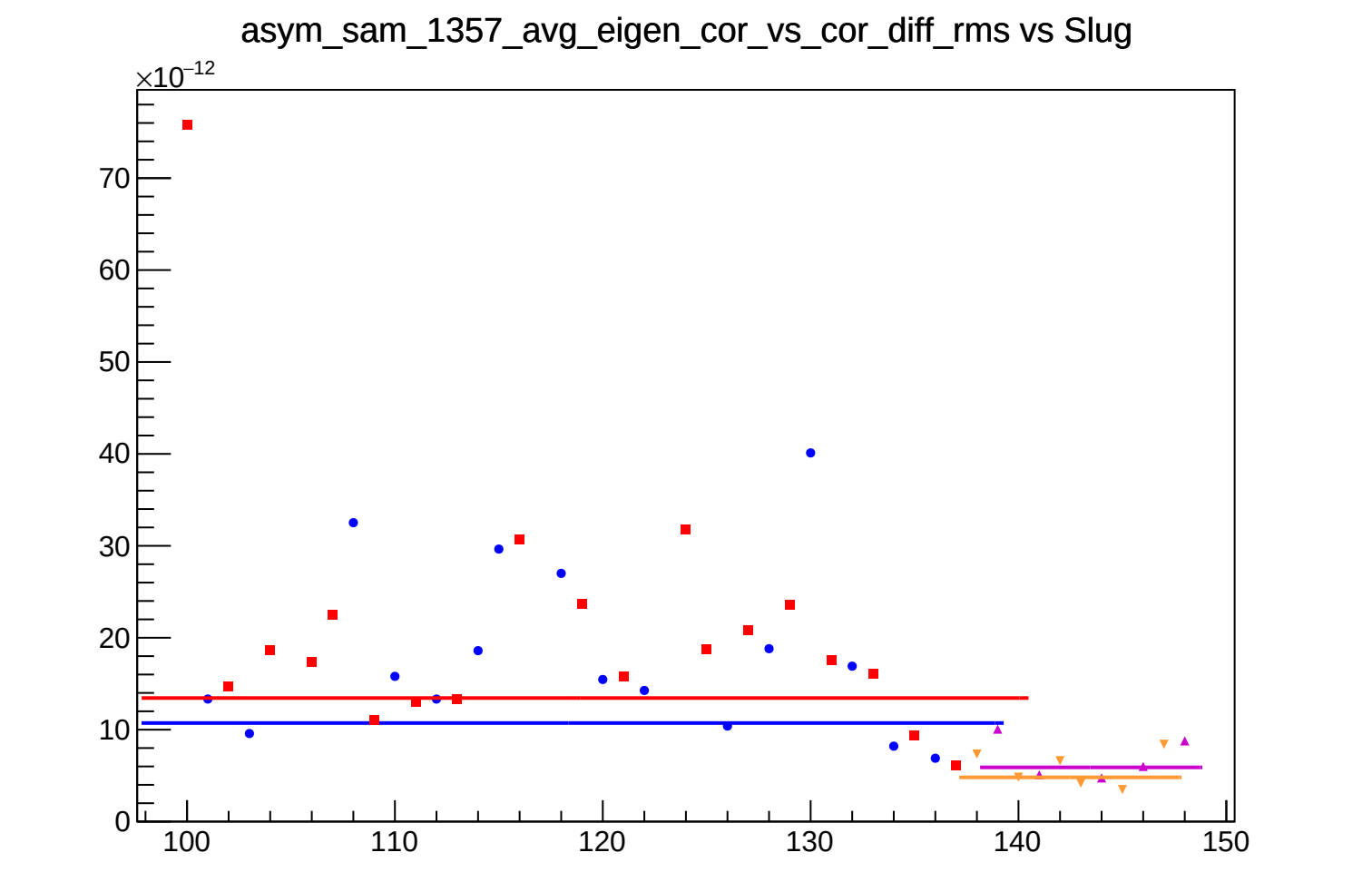
Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

+ sign 21.262+/-0.005 χ^2/NDF: 2304988.1/21

All: 21.227+/-0.003 χ^2/NDF: 4468559.3/45

- sign 21.193+/-0.005 χ^2/NDF: 2163469.9/23


asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 17.6/18
Left In: -0.000+/-0.000 χ²/NDF:11.5/4
+ sign 0.000+/-0.000 χ²/NDF: 17.6/21
All: -0.000+/-0.000 χ²/NDF: 53.0/45
- sign -0.000+/-0.000 χ²/NDF: 31.4/23



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

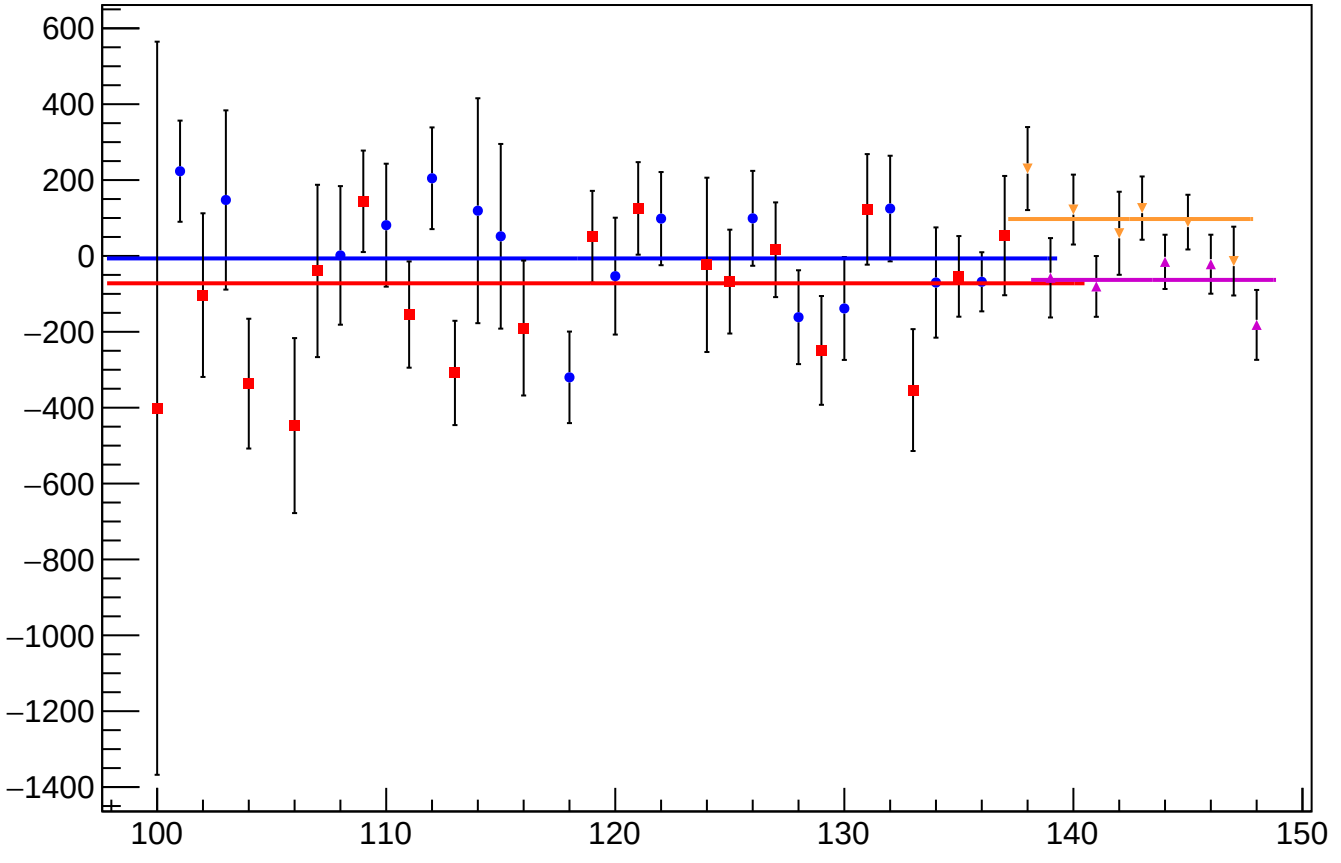
Left In: 0.000+/-0.000 χ^2/NDF:434321.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 4148281.8/21

All: 0.000+/-0.000 χ^2/NDF: 8334309.9/45

- sign 0.000+/-0.000 χ^2/NDF: 3900175.4/23

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

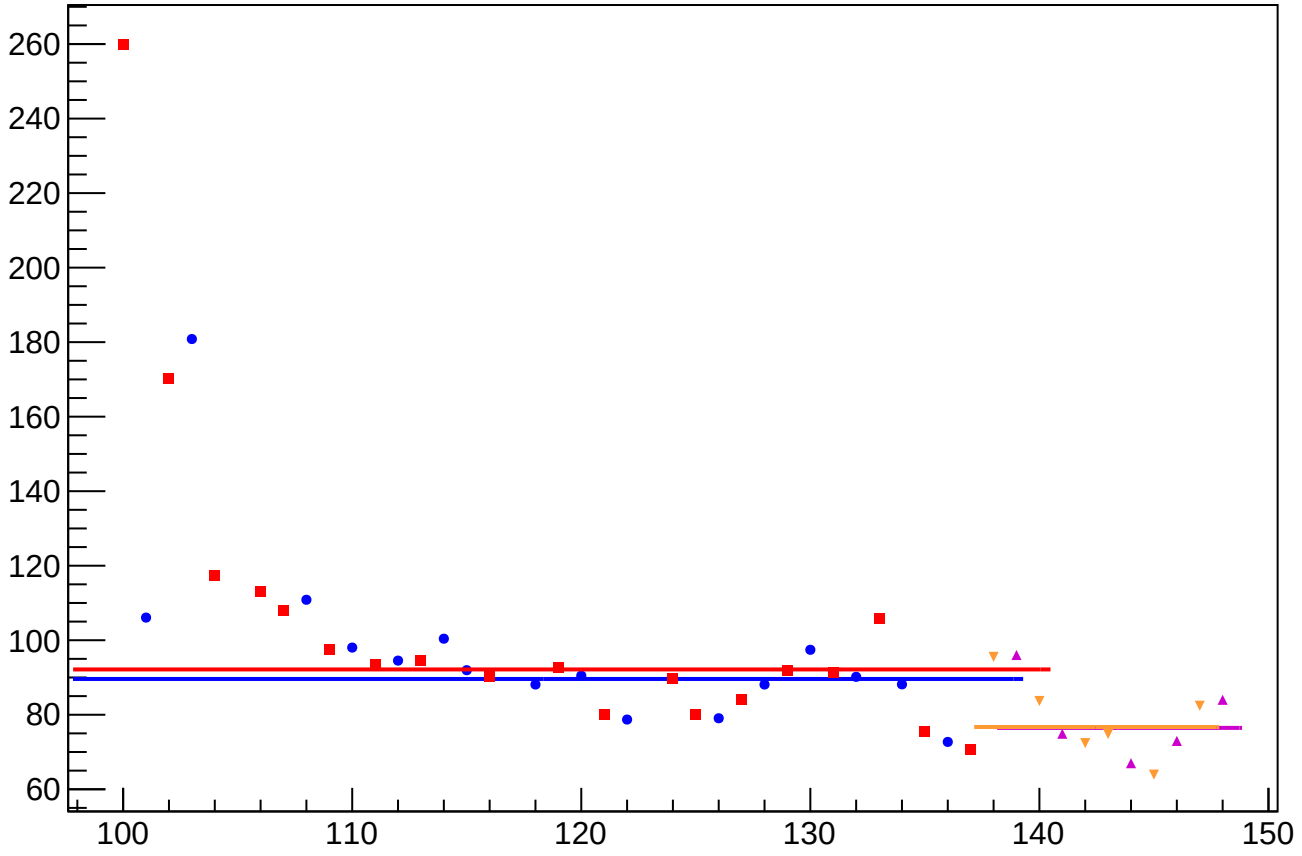
Left In: -63.147+/-37.111 χ^2/NDF:2.4/4

+ sign 41.849+/-25.053 χ^2/NDF: 26.5/21

All: -12.240+/-17.843 χ^2/NDF: 61.2/45

- sign -67.913+/-25.417 χ^2/NDF: 25.3/23

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

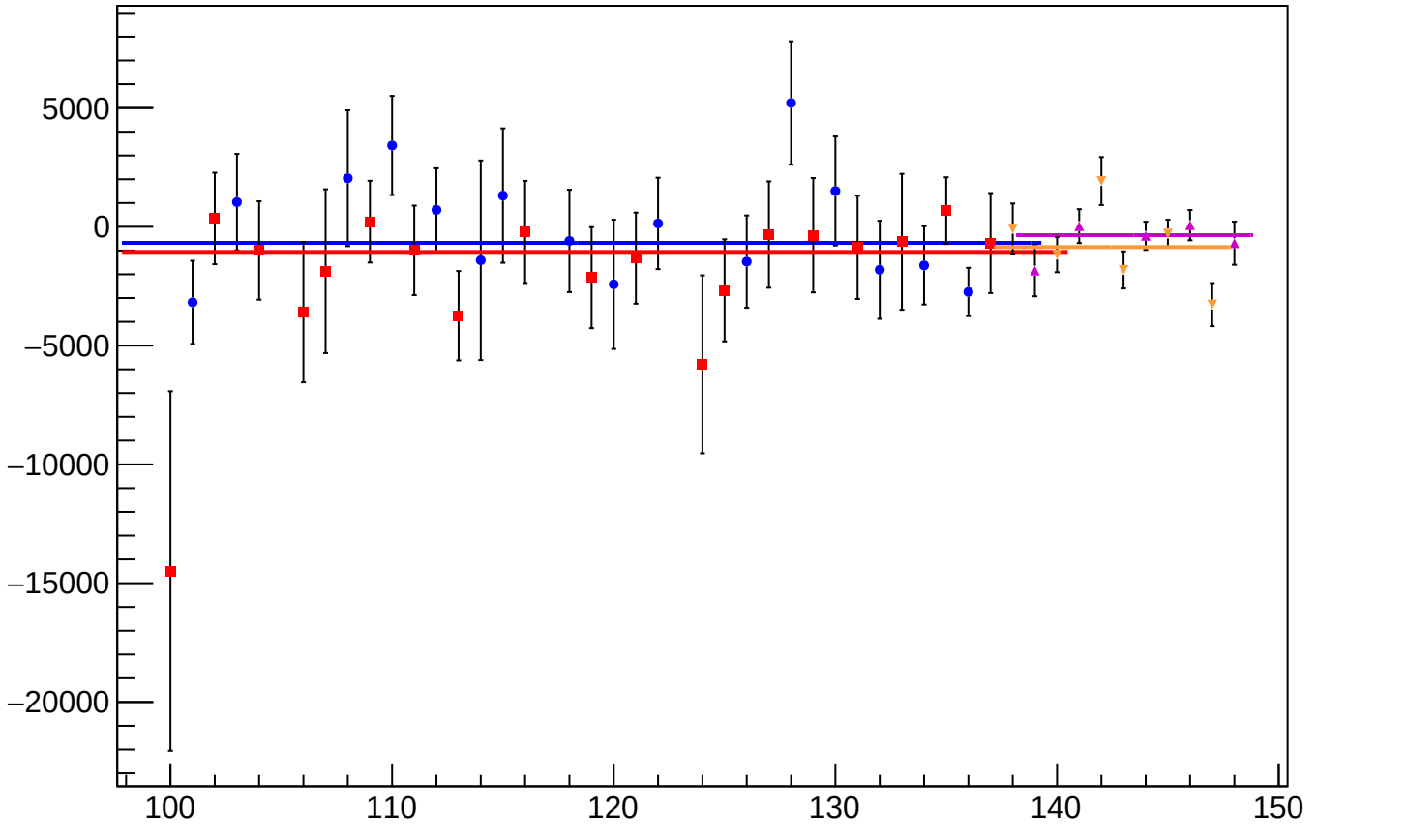
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 83.595+/-0.018 χ^2/NDF: 775679.8/21

All: 84.190+/-0.013 χ^2/NDF: 1633084.4/45

- sign 84.802+/-0.018 χ^2/NDF: 855117.6/23



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

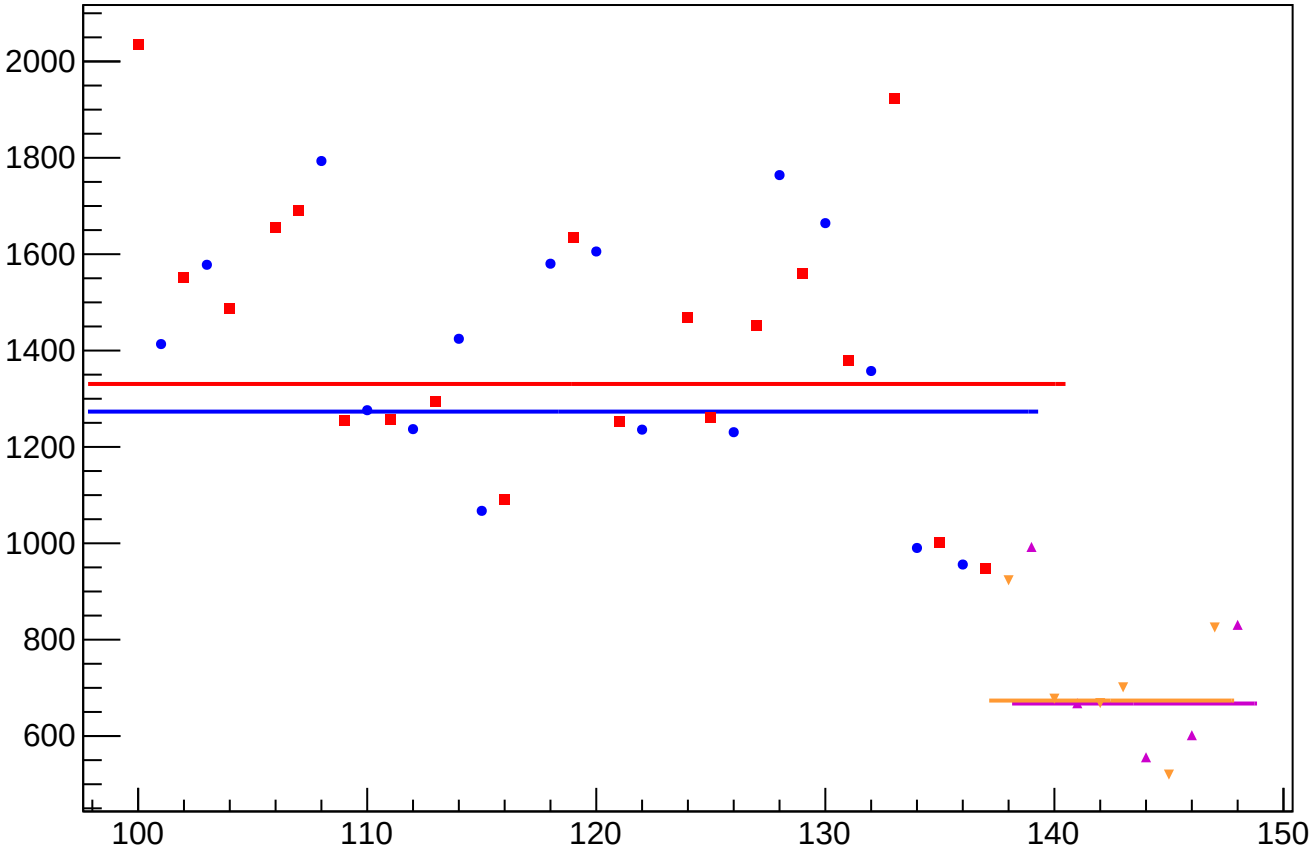
Left In: -351.134+/-327.690 χ^2/NDF:2.8/4

+ sign -799.429+/-269.898 χ^2/NDF: 38.2/21

All: -684.217+/-192.097 χ^2/NDF: 54.2/45

- sign -565.938+/-273.468 χ^2/NDF: 15.6/23

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

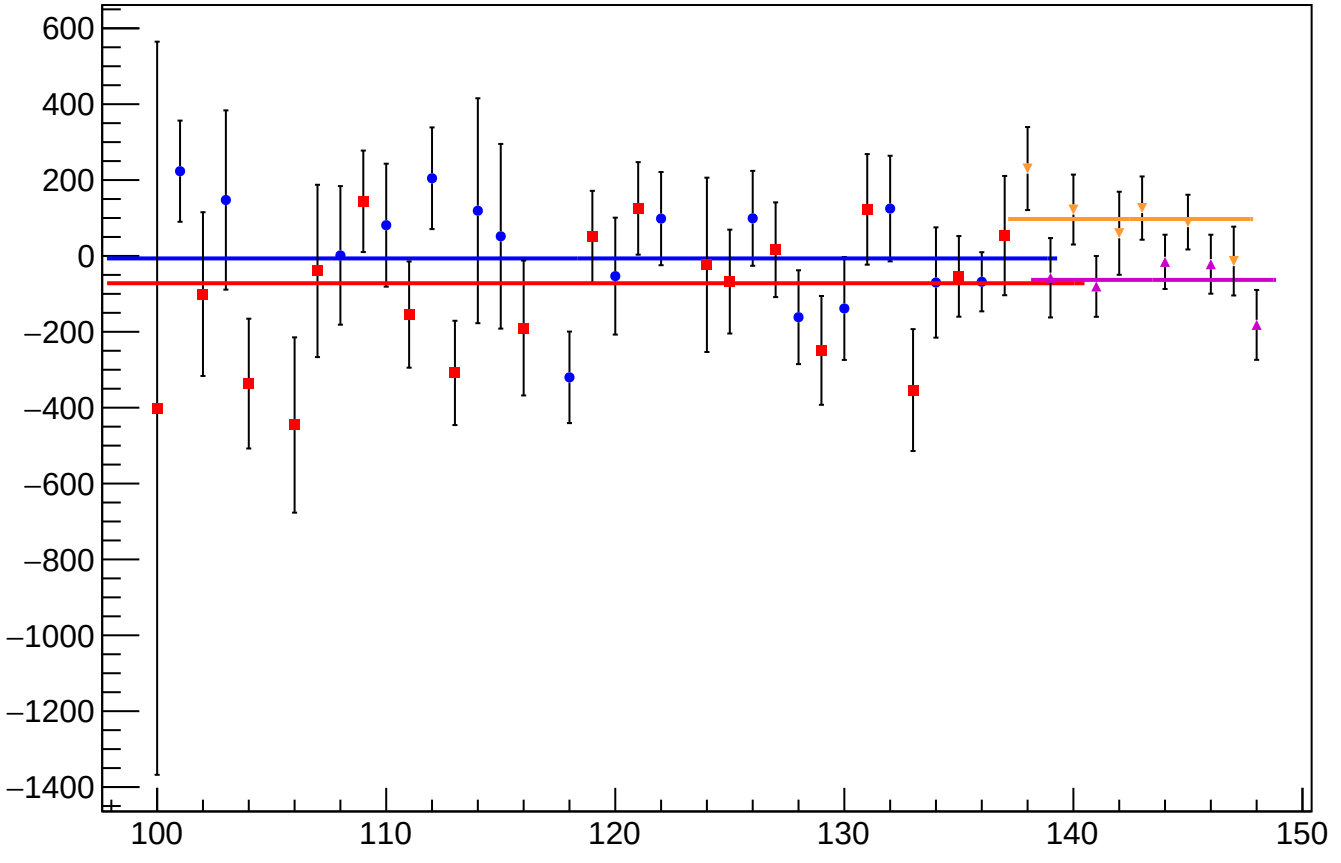
Left In: 667.514+/-0.232 χ^2/NDF:336892.6/4

+ sign 858.225+/-0.191 χ^2/NDF: 3010287.1/21

All: 863.454+/-0.136 χ^2/NDF: 6305912.2/45

- sign 868.822+/-0.193 χ^2/NDF: 3294103.7/23

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

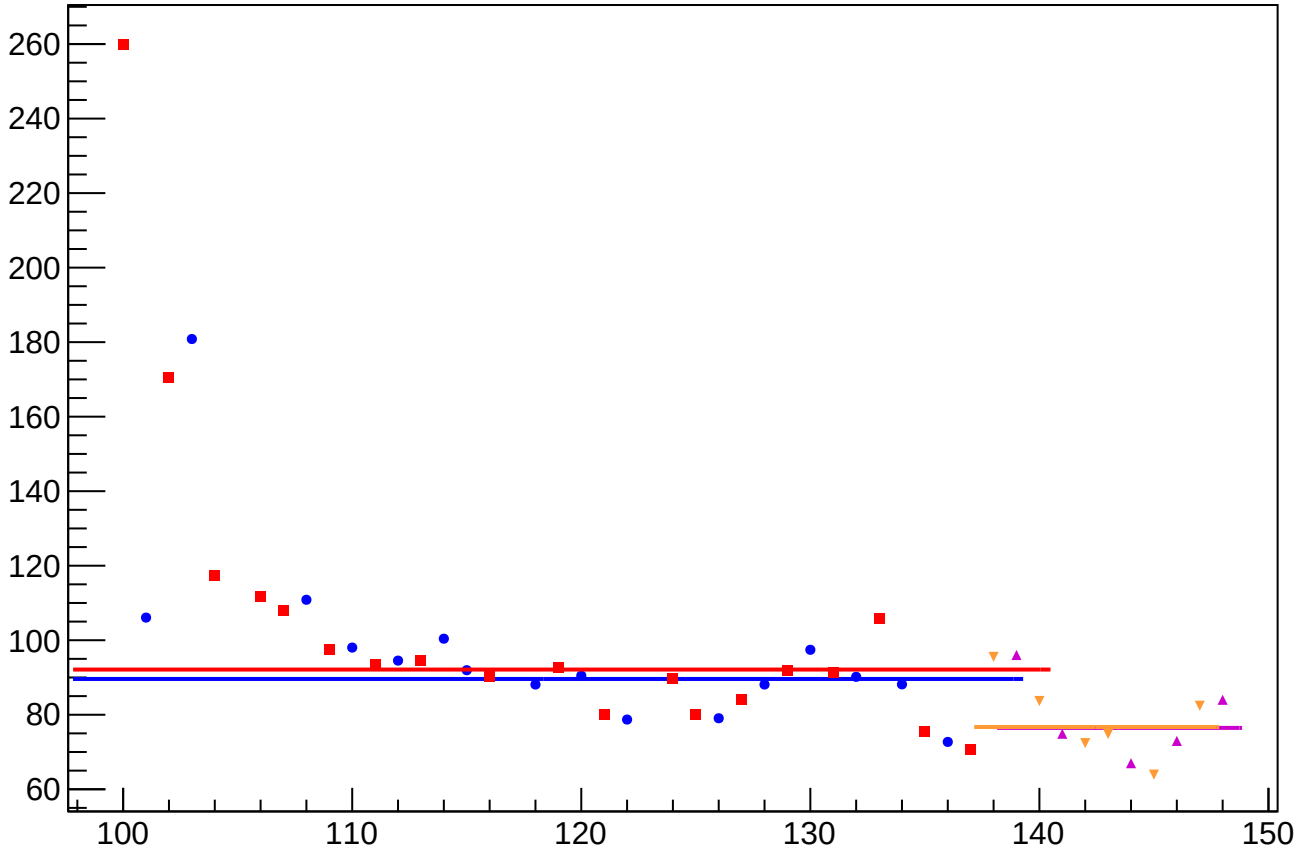
Left In: -63.155+/-37.111 χ^2/NDF:2.4/4

+ sign 41.851+/-25.053 χ^2/NDF: 26.5/21

All: -12.203+/-17.843 χ^2/NDF: 61.2/45

- sign -67.840+/-25.418 χ^2/NDF: 25.2/23

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

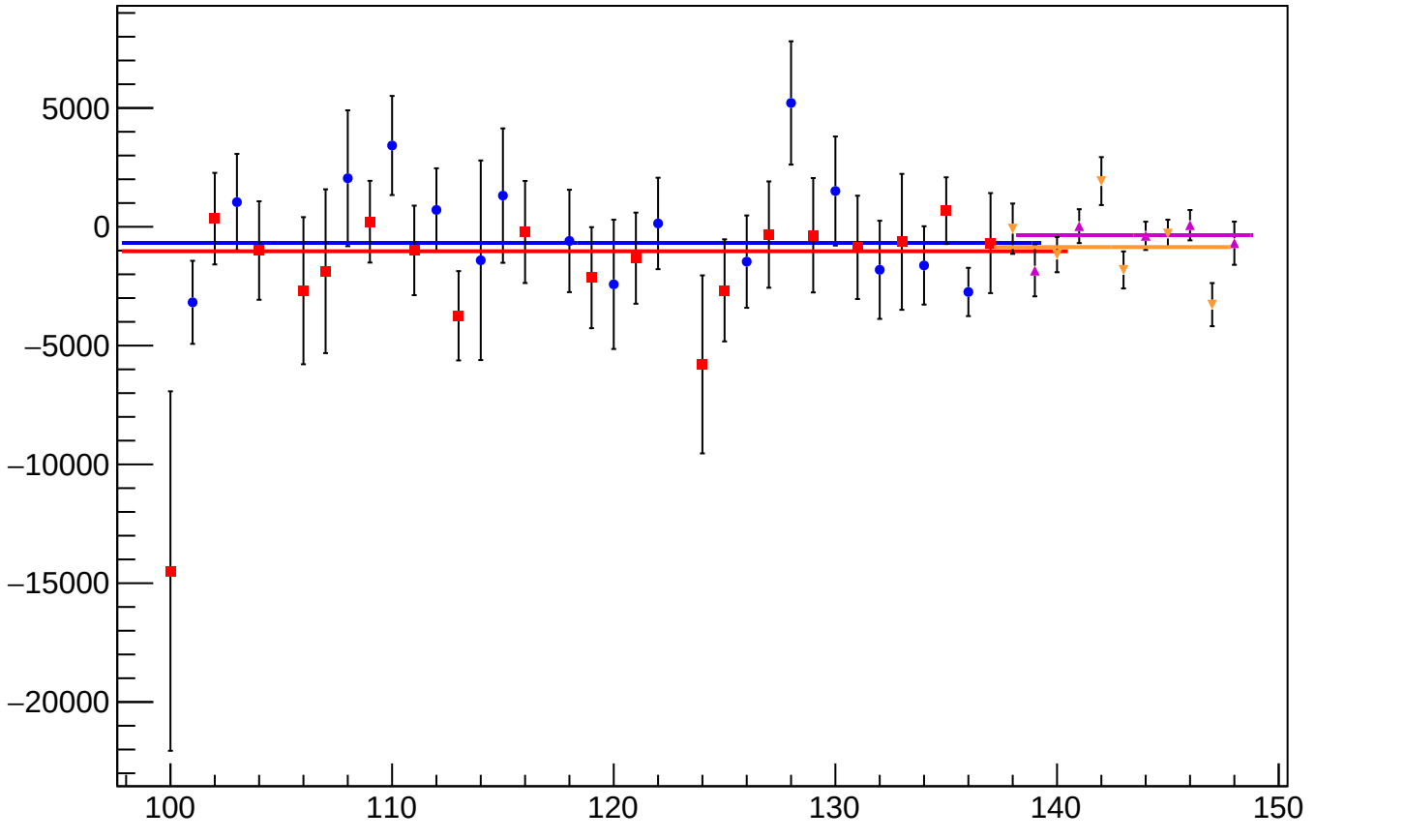
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 83.595+/-0.018 χ^2/NDF: 775683.4/21

All: 84.181+/-0.013 χ^2/NDF: 1630478.8/45

- sign 84.785+/-0.018 χ^2/NDF: 852573.8/23



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

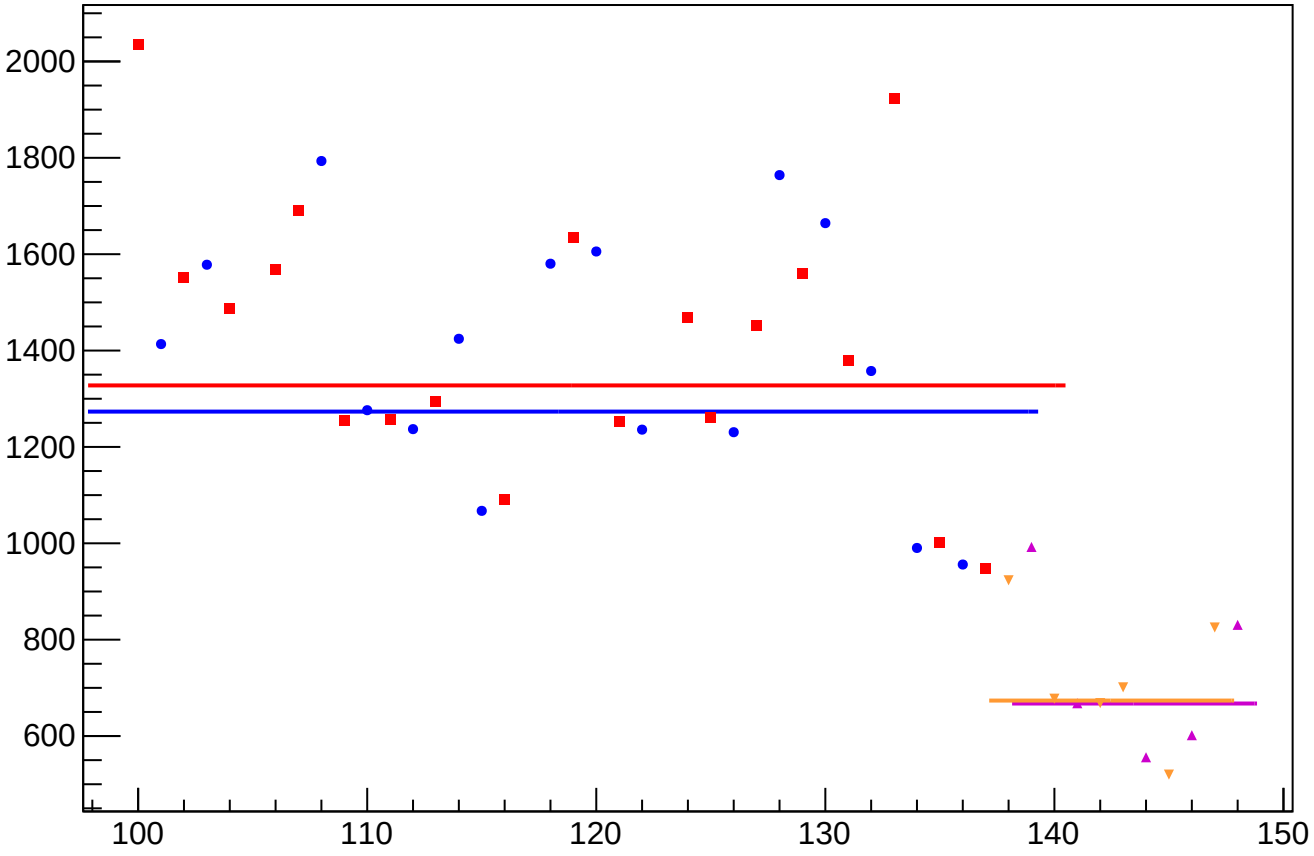
Left In: -351.143+/-327.690 χ^2/NDF:2.8/4

+ sign -799.408+/-269.899 χ^2/NDF: 38.2/21

All: -679.671+/-192.135 χ^2/NDF: 53.7/45

- sign -556.645+/-273.580 χ^2/NDF: 15.0/23

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

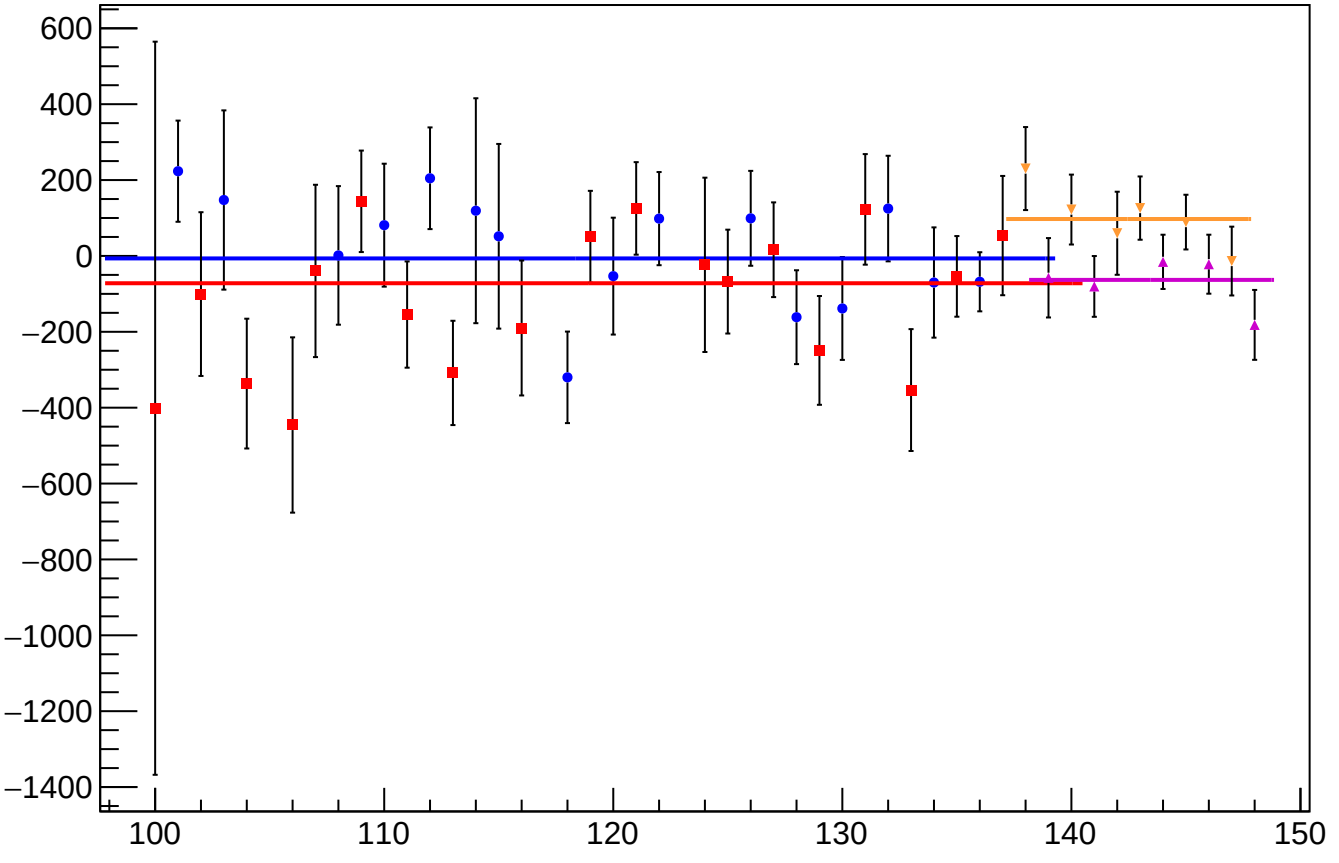
Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

+ sign 858.224+/-0.191 χ^2/NDF: 3010332.4/21

All: 862.814+/-0.136 χ^2/NDF: 6266158.4/45

- sign 867.530+/-0.193 χ^2/NDF: 3254653.3/23

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

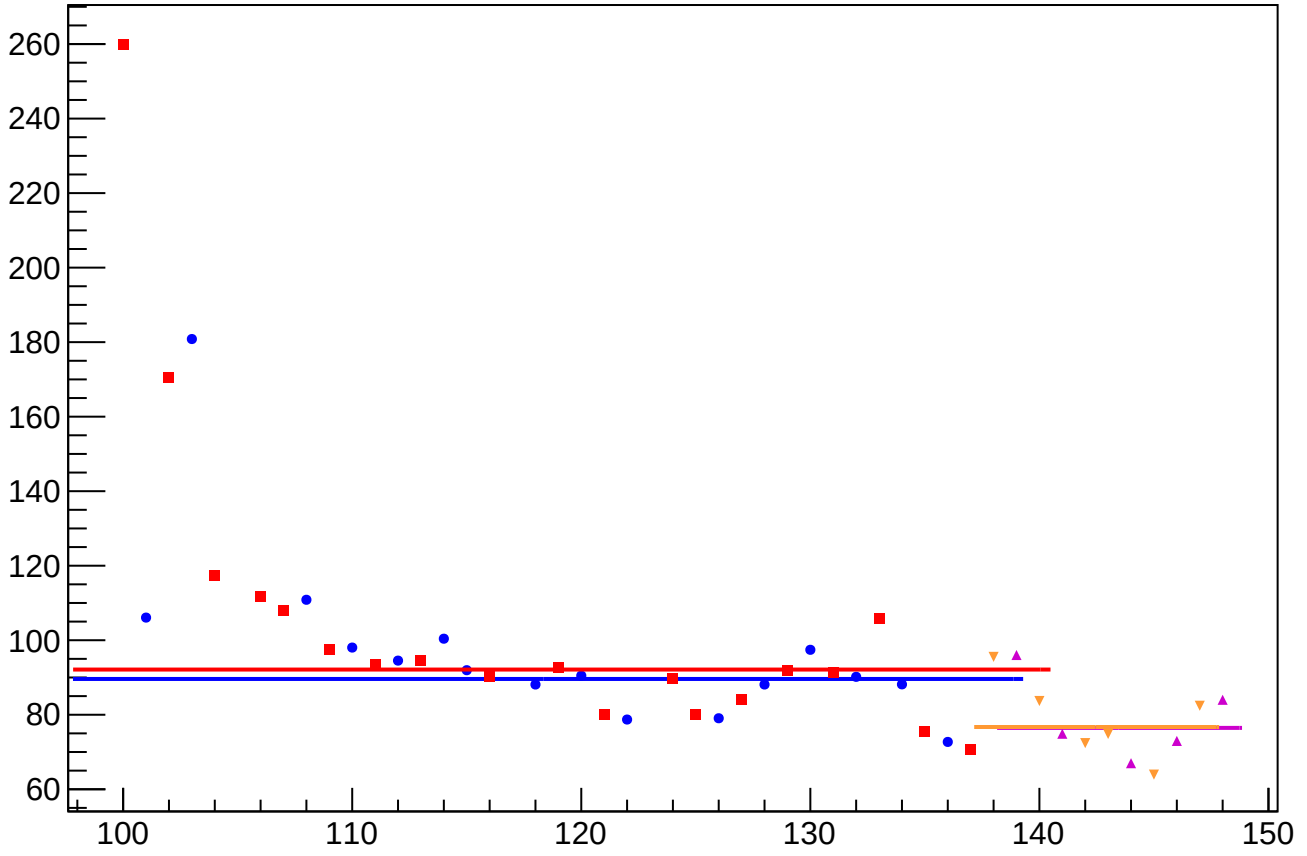
Left In: -63.155+/-37.111 χ^2/NDF:2.4/4

+ sign 41.851+/-25.053 χ^2/NDF: 26.5/21

All: -12.203+/-17.843 χ^2/NDF: 61.2/45

- sign -67.840+/-25.418 χ^2/NDF: 25.2/23

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

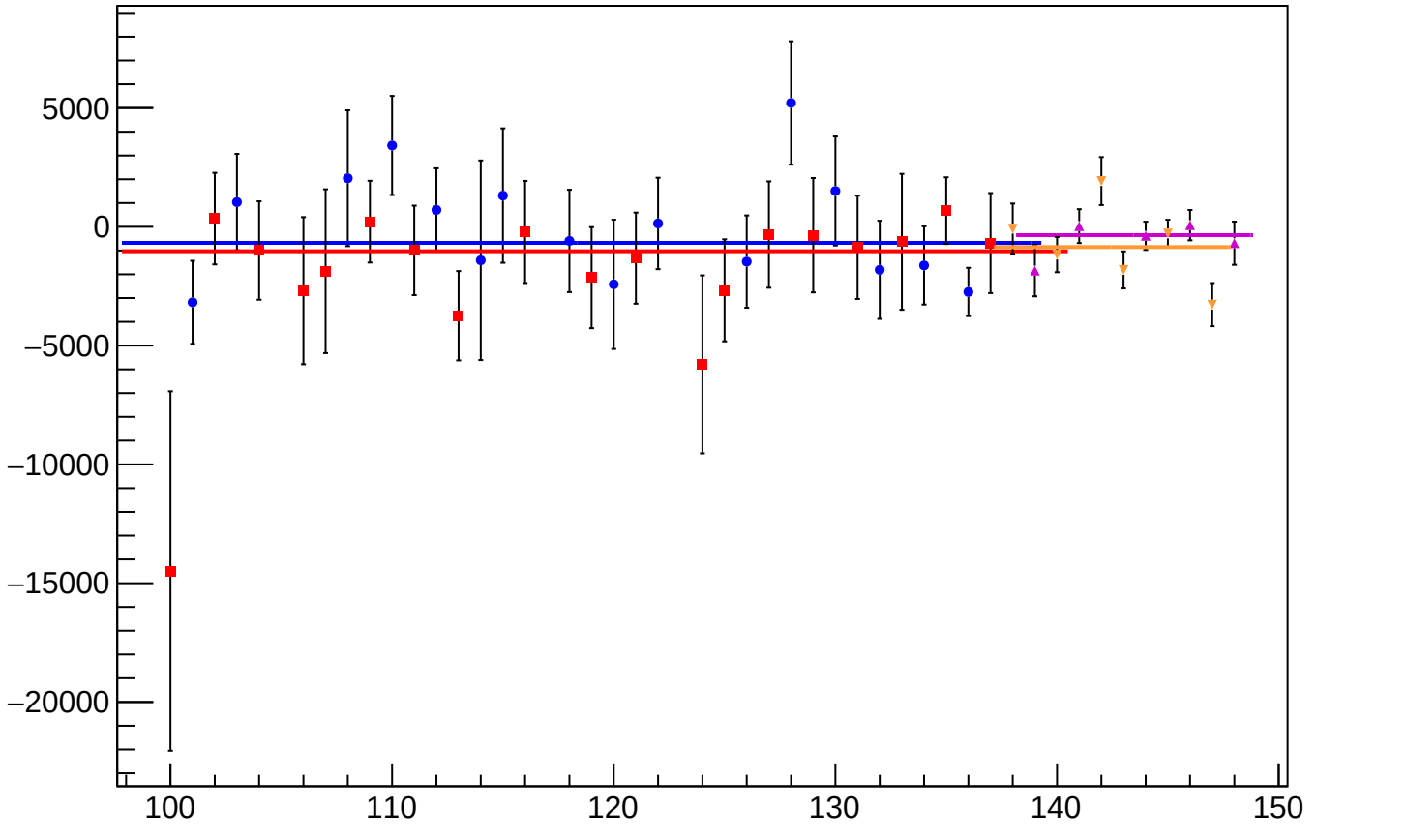
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 83.595+/-0.018 χ^2/NDF: 775683.4/21

All: 84.181+/-0.013 χ^2/NDF: 1630478.8/45

- sign 84.785+/-0.018 χ^2/NDF: 852573.8/23



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

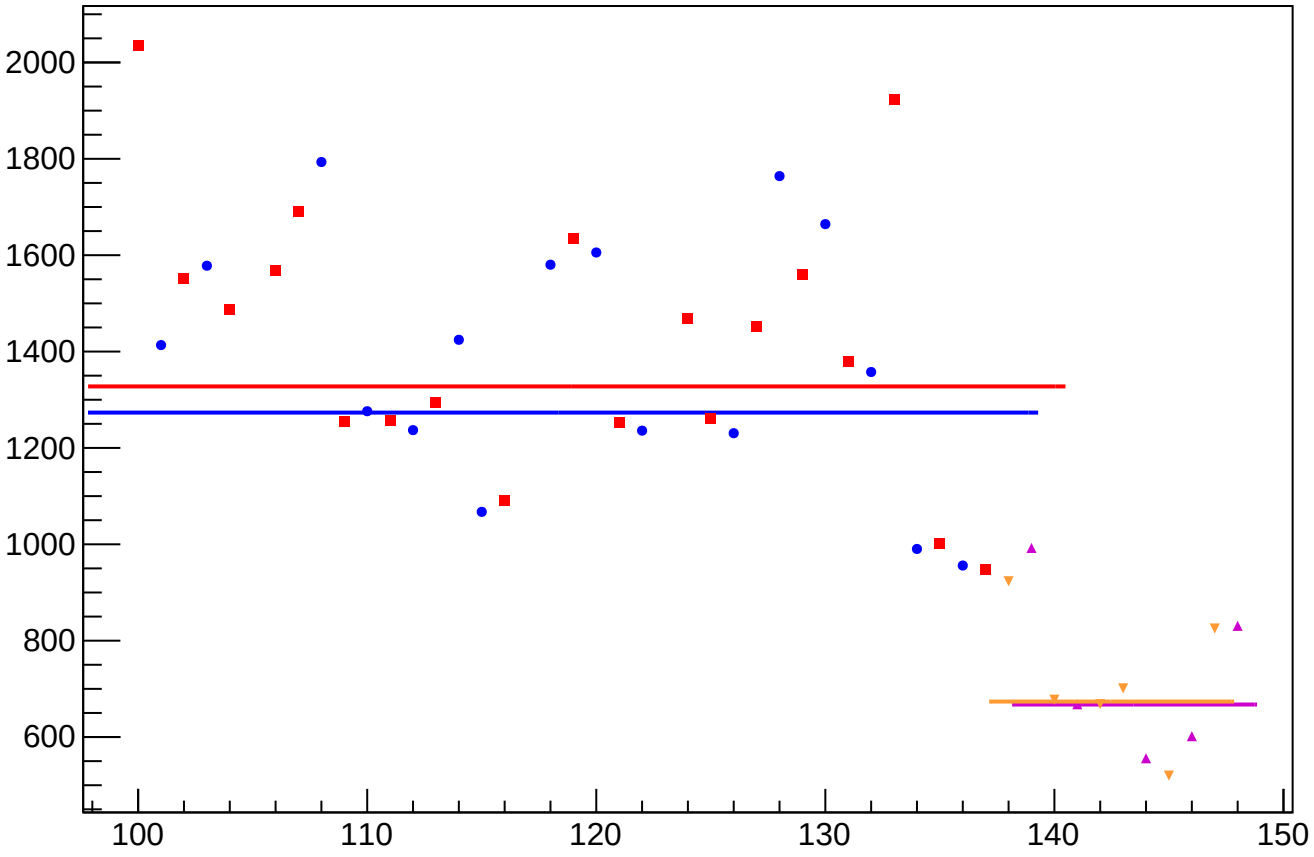
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -351.143+/-327.690 χ^2/NDF:2.8/4

+ sign -799.408+/-269.899 χ^2/NDF: 38.2/21

All: -679.671+/-192.135 χ^2/NDF: 53.7/45

- sign -556.645+/-273.580 χ^2/NDF: 15.0/23



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

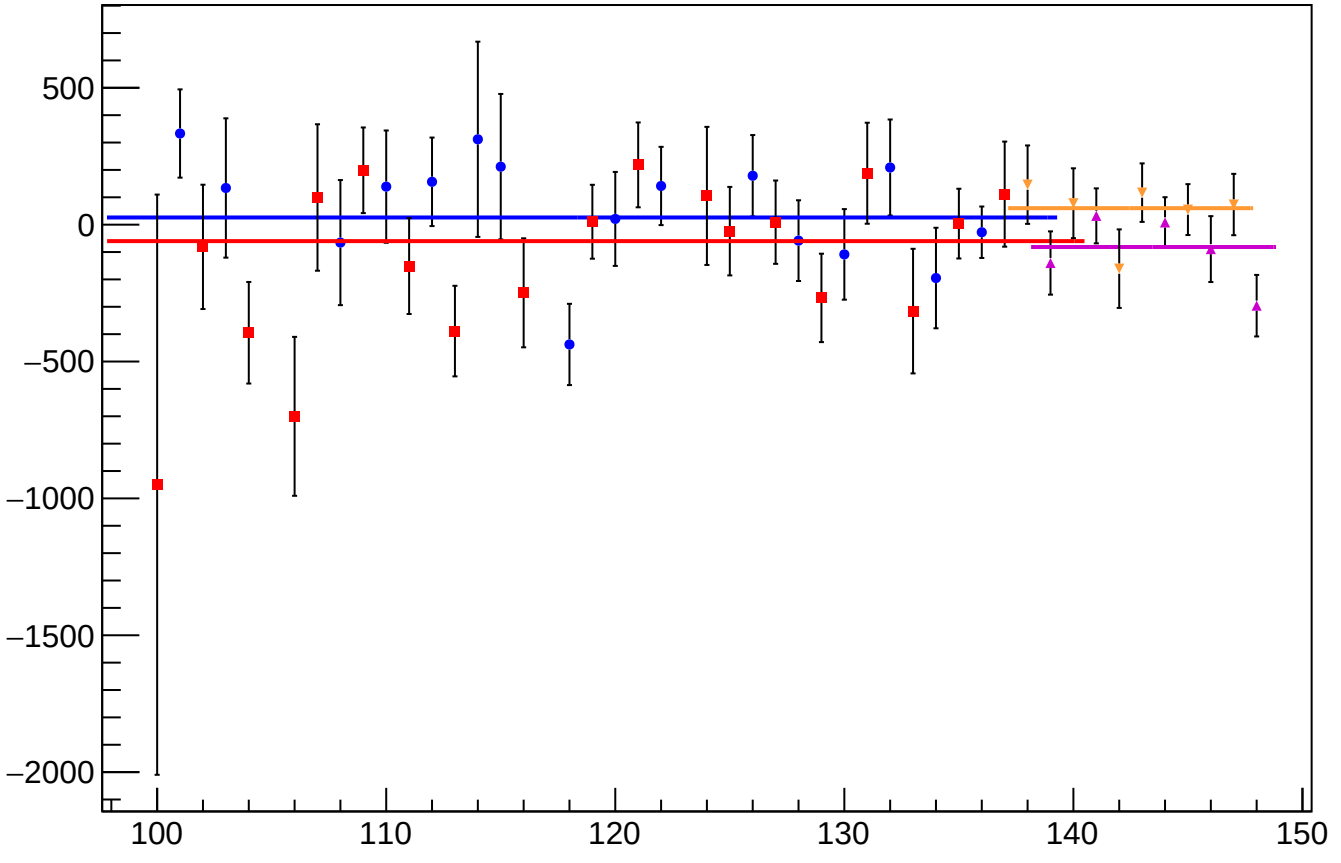
Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

+ sign 858.224+/-0.191 χ^2/NDF: 3010332.4/21

All: 862.814+/-0.136 χ^2/NDF: 6266158.4/45

- sign 867.530+/-0.193 χ^2/NDF: 3254653.3/23

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

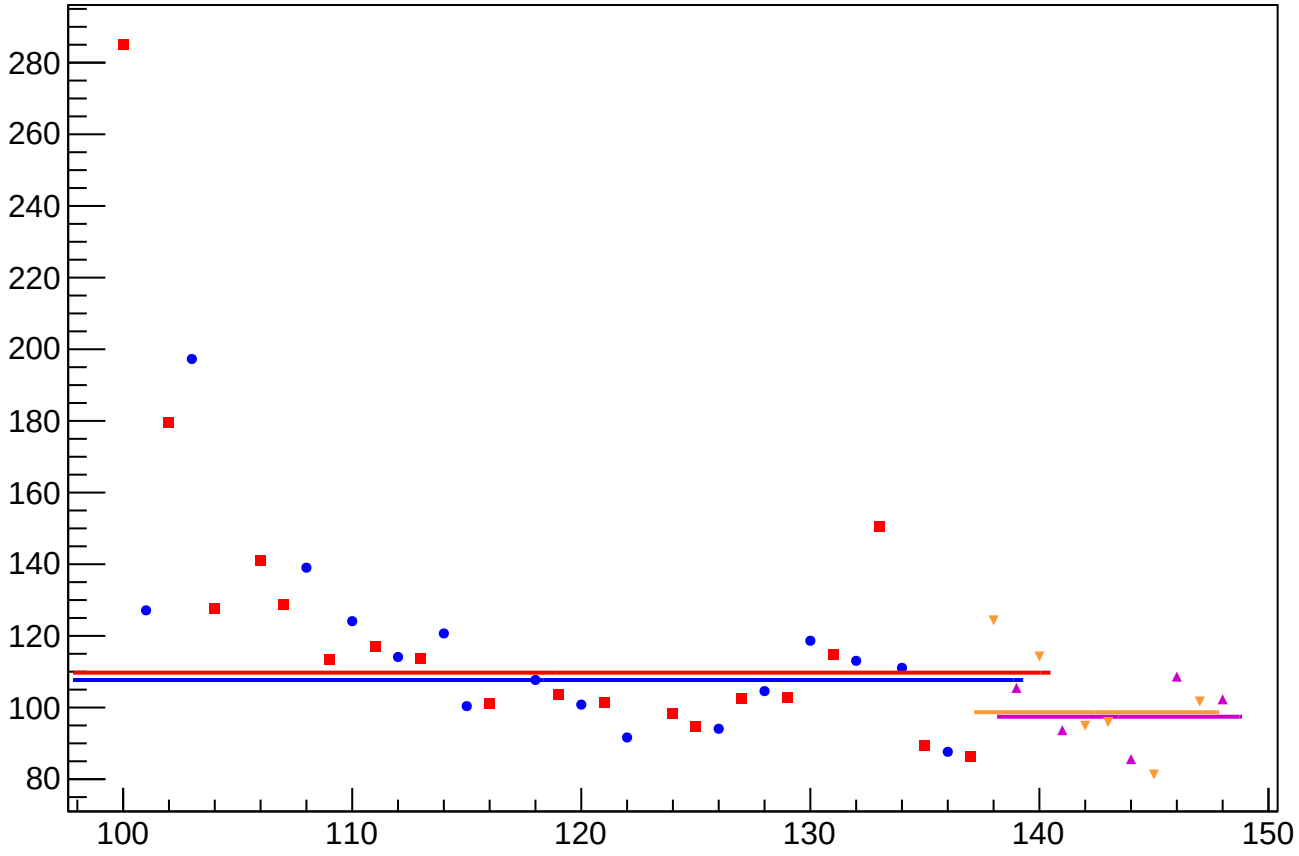
Left In: -81.602+/-47.669 χ^2/NDF:6.1/4

+ sign 40.816+/-31.155 χ^2/NDF: 24.7/21

All: -14.009+/-22.085 χ^2/NDF: 64.2/45

- sign -69.389+/-31.312 χ^2/NDF: 33.2/23

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

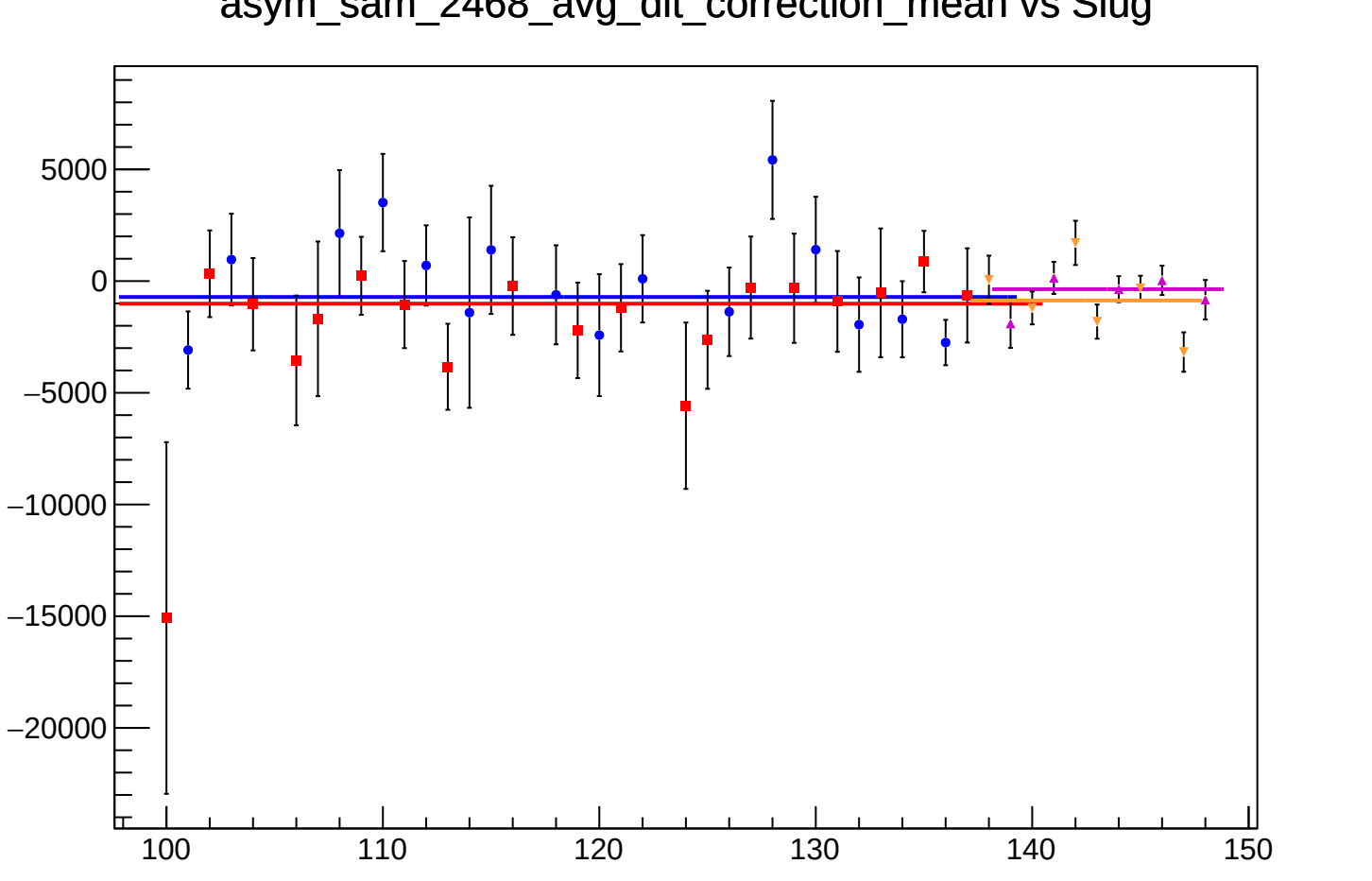
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.434+/-0.034 χ^2/NDF:66510.6/4

+ sign 103.827+/-0.022 χ^2/NDF: 691800.8/21

All: 104.127+/-0.016 χ^2/NDF: 1326237.7/45

- sign 104.430+/-0.022 χ^2/NDF: 634064.7/23



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

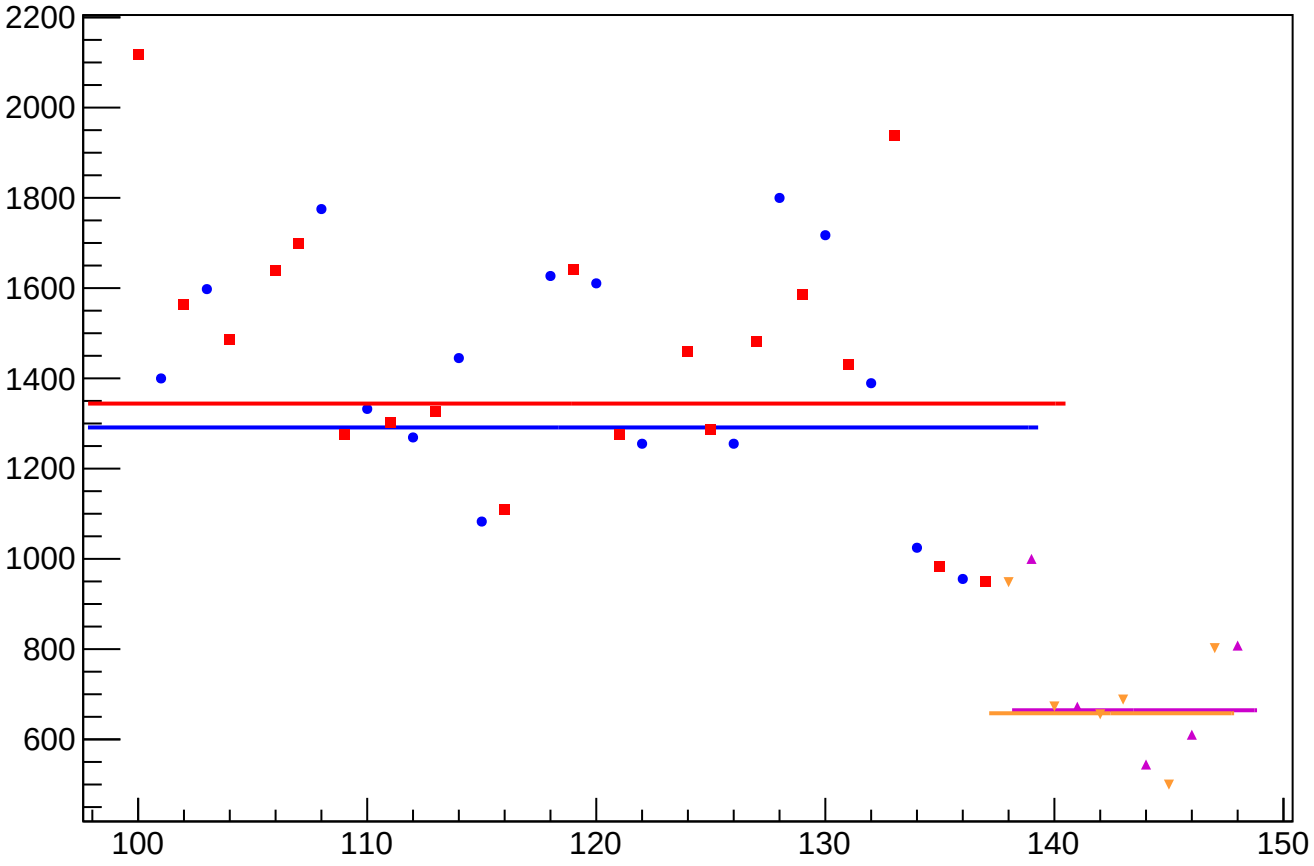
Left In: -362.462+/-326.947 χ^2/NDF:3.1/4

+ sign -823.172+/-266.728 χ^2/NDF: 37.3/21

All: -693.029+/-191.078 χ^2/NDF: 53.8/45

- sign -555.829+/-273.863 χ^2/NDF: 16.1/23

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

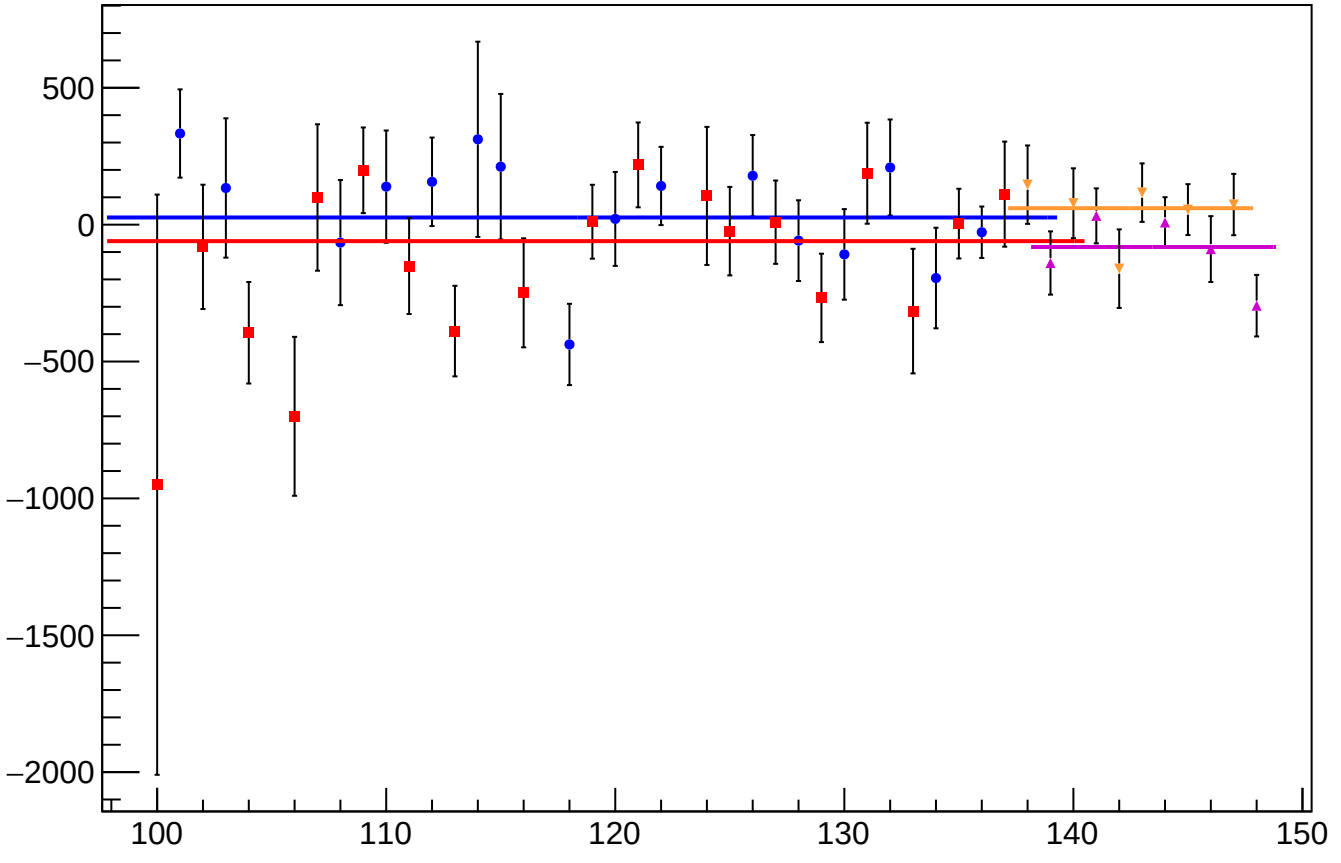
Left In: 664.520+/-0.231 χ^2/NDF:341705.8/4

\+ sign 843.076+/-0.189 χ^2/NDF: 3306785.4/21

All: 854.862+/-0.135 χ^2/NDF: 6725715.1/45

\- sign 867.287+/-0.194 χ^2/NDF: 3410907.6/23

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

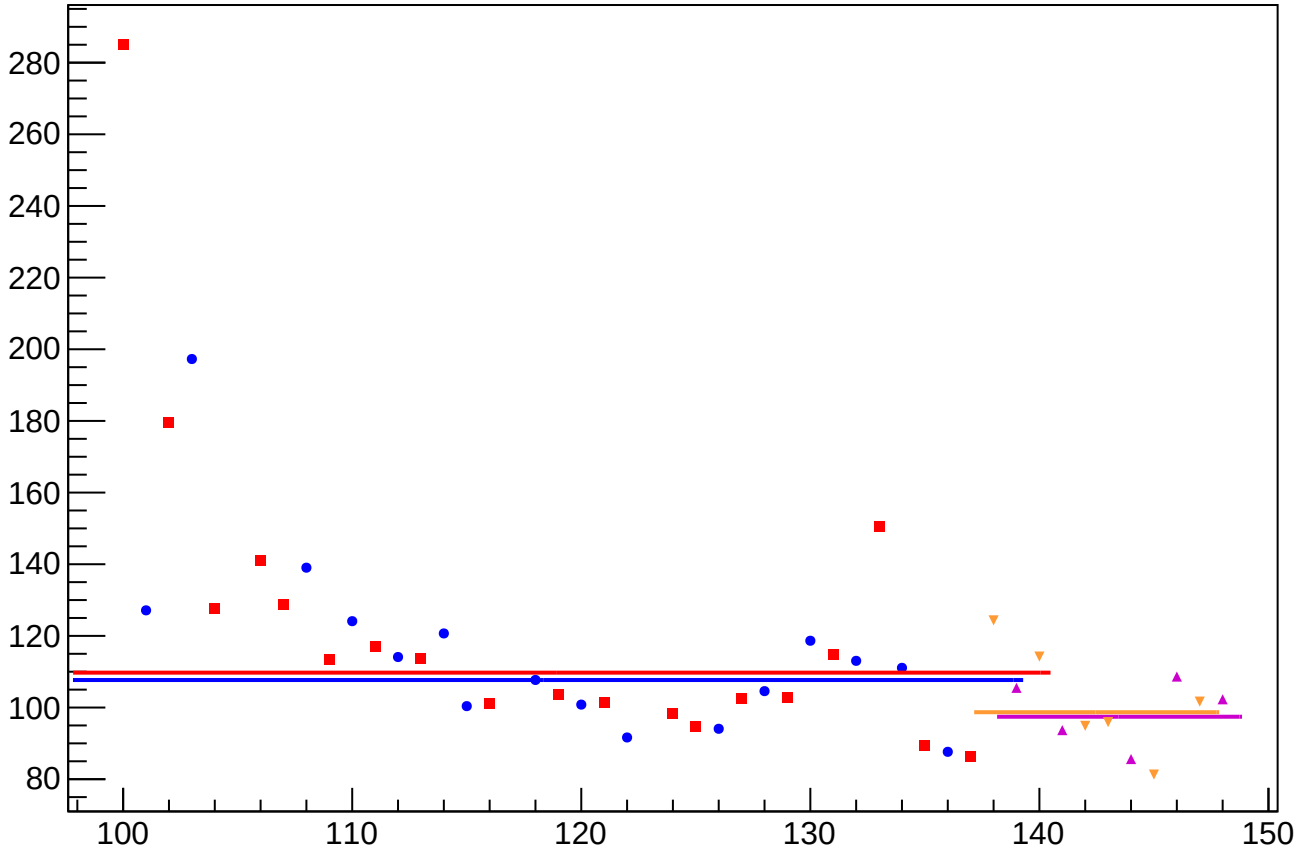
Left In: -81.602+/-47.669 χ^2/NDF:6.1/4

+ sign 40.816+/-31.155 χ^2/NDF: 24.7/21

All: -14.009+/-22.085 χ^2/NDF: 64.2/45

- sign -69.388+/-31.312 χ^2/NDF: 33.2/23

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

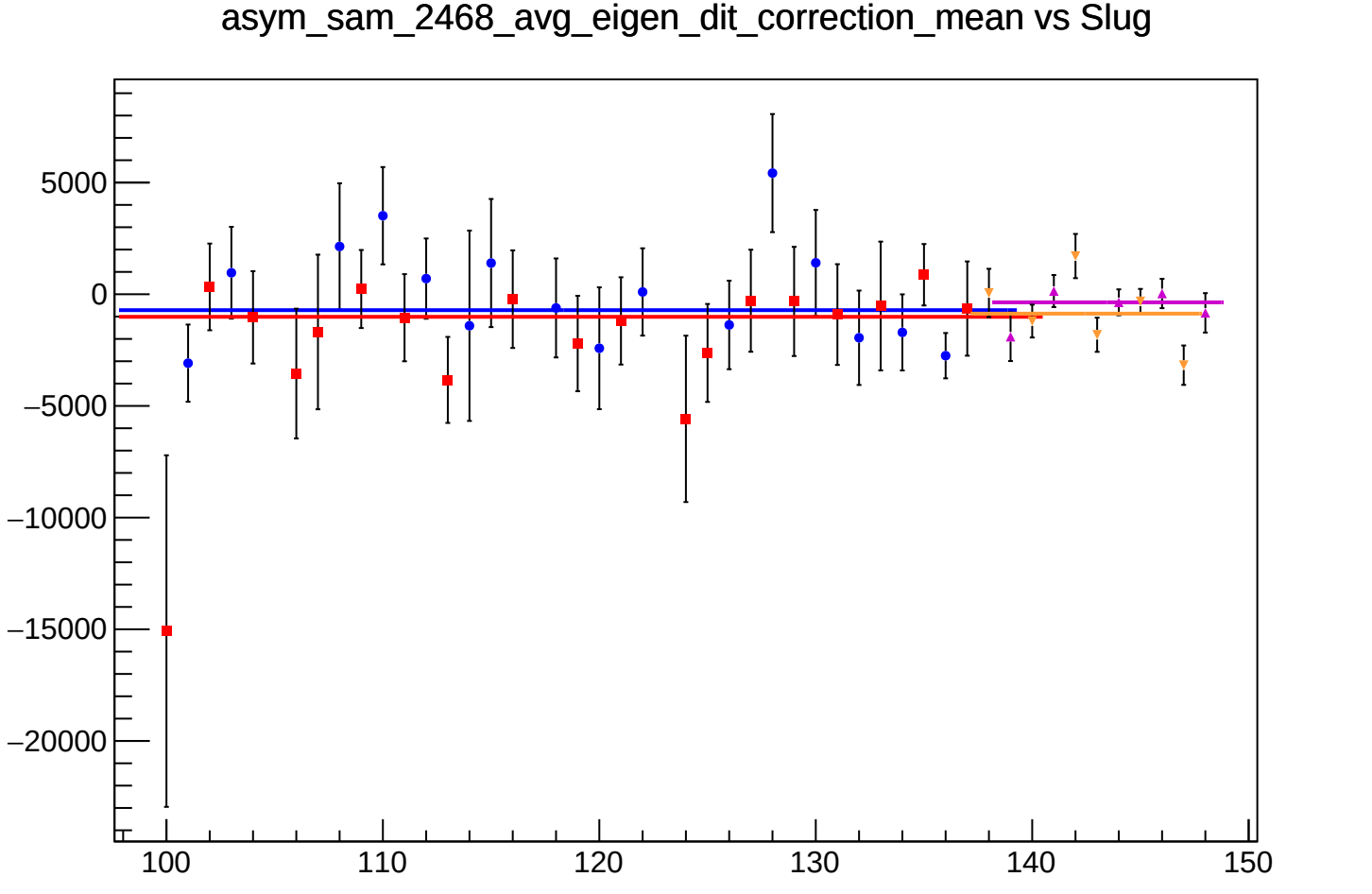
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 97.435+/-0.034 χ^2/NDF:66508.5/4

+ sign 103.827+/-0.022 χ^2/NDF: 691762.9/21

All: 104.127+/-0.016 χ^2/NDF: 1326182.7/45

- sign 104.430+/-0.022 χ^2/NDF: 634047.6/23



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

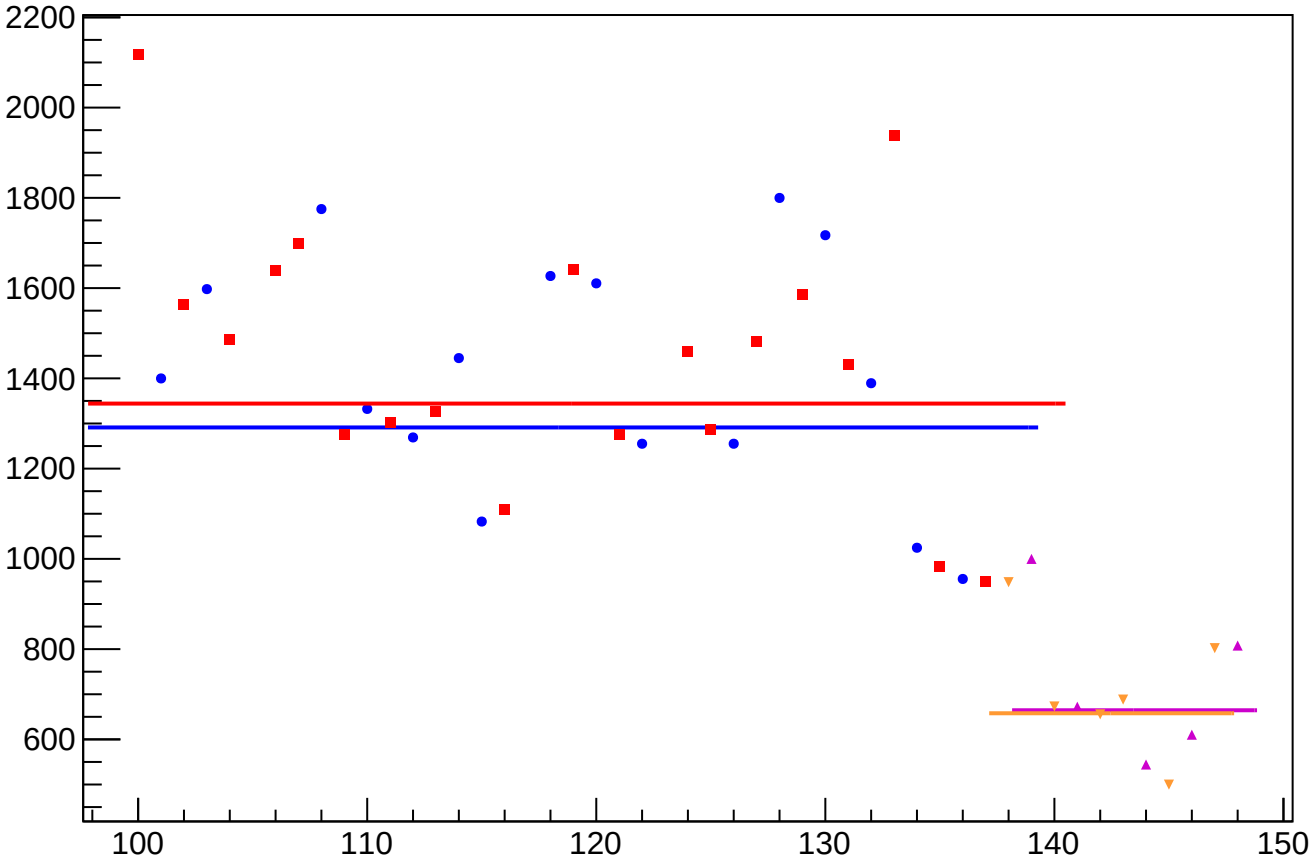
Left In: -362.462+/-326.947 χ^2/NDF:3.1/4

+ sign -823.170+/-266.727 χ^2/NDF: 37.3/21

All: -693.028+/-191.077 χ^2/NDF: 53.8/45

- sign -555.829+/-273.863 χ^2/NDF: 16.1/23

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

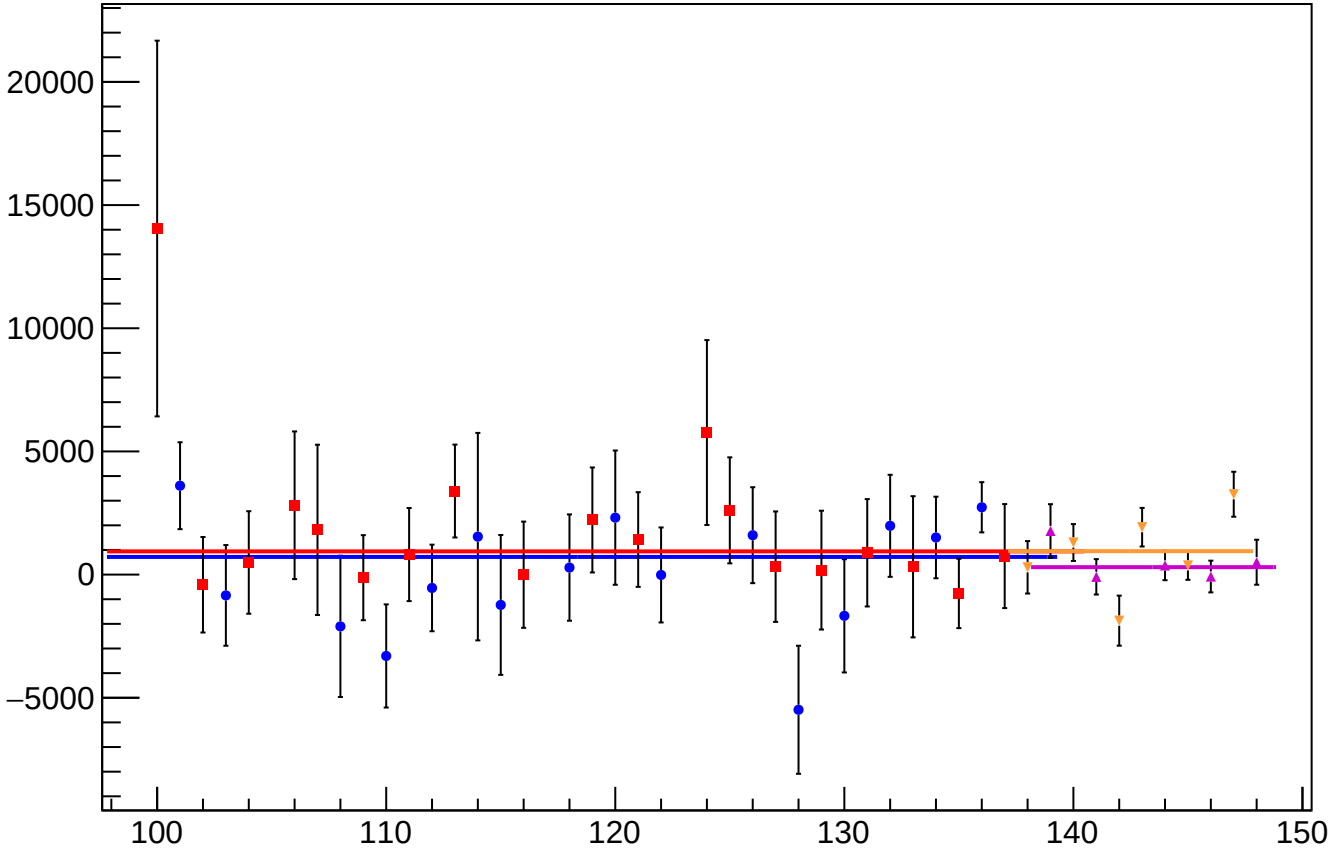
Left In: 664.519+/-0.231 χ^2/NDF:341704.7/4

\+ sign 843.073+/-0.189 χ^2/NDF: 3306789.0/21

All: 854.860+/-0.135 χ^2/NDF: 6725712.5/45

\- sign 867.286+/-0.194 χ^2/NDF: 3410900.9/23

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

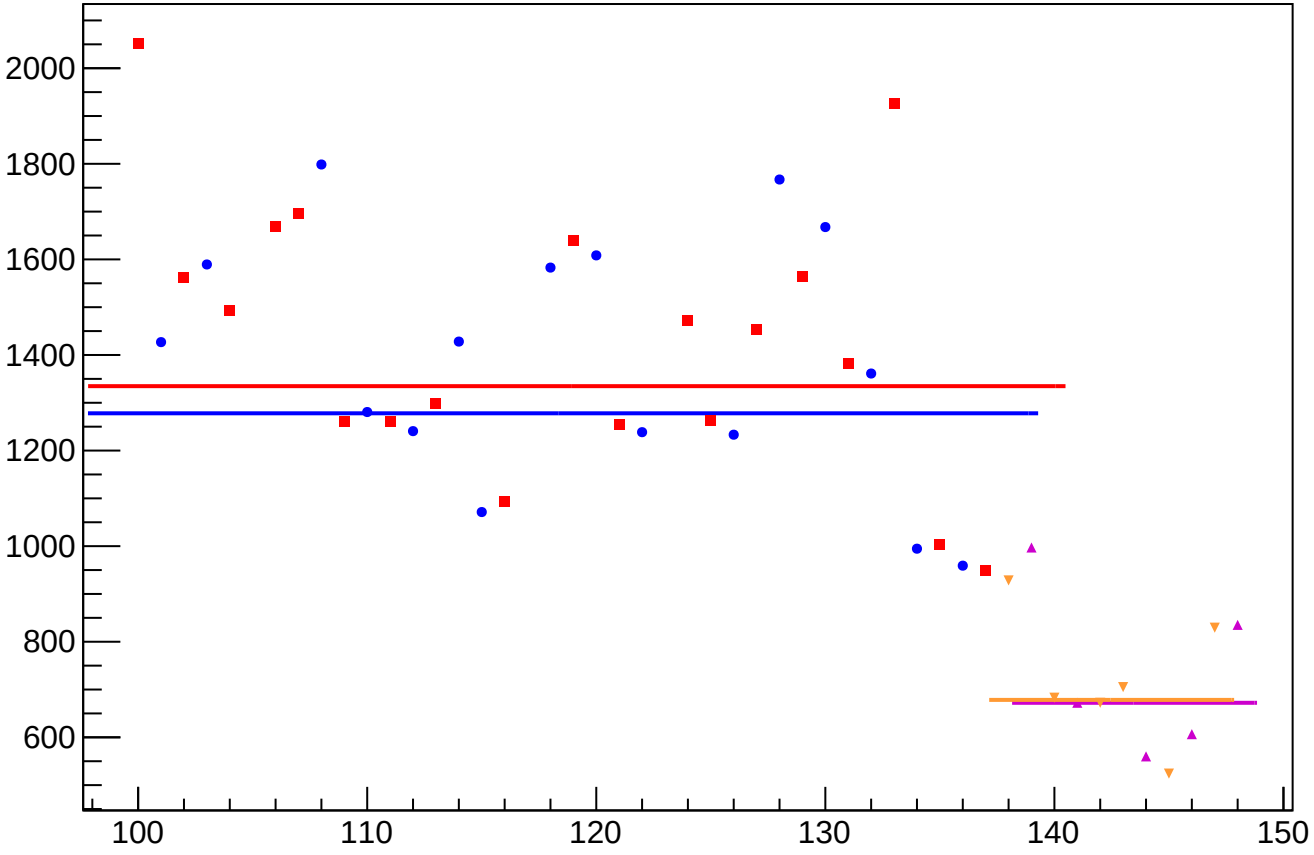
Left In: 302.148+/-329.942 χ^2/NDF:2.5/4

+ sign 878.882+/-271.463 χ^2/NDF: 38.4/21

All: 690.652+/-193.213 χ^2/NDF: 53.6/45

- sign 497.400+/-275.060 χ^2/NDF: 14.3/23

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

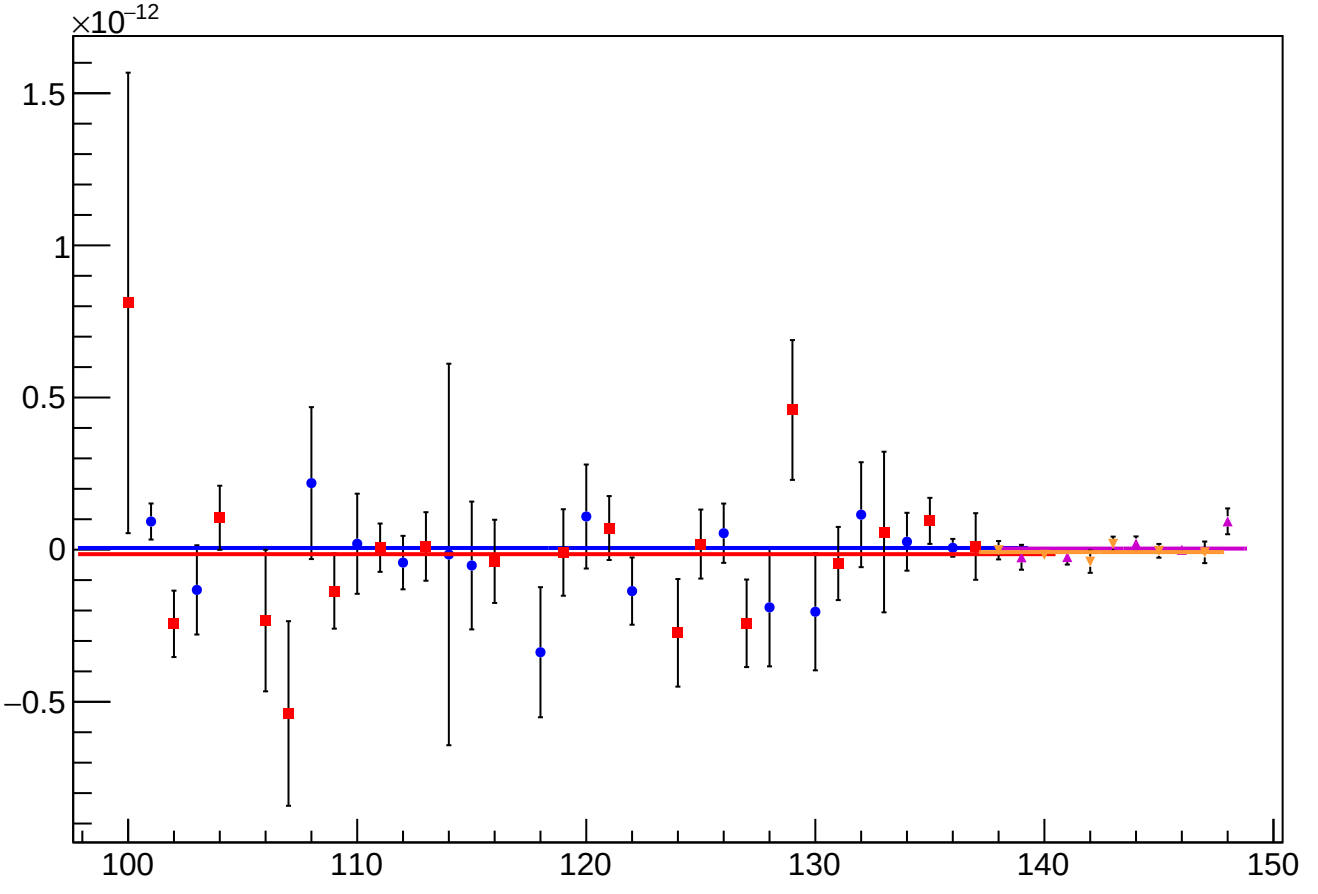
Left In: 672.249+/-0.233 χ^2/NDF:333603.3/4

+ sign 863.700+/-0.192 χ^2/NDF: 2987997.9/21

All: 868.941+/-0.137 χ^2/NDF: 6254637.2/45

- sign 874.322+/-0.194 χ^2/NDF: 3265128.4/23

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

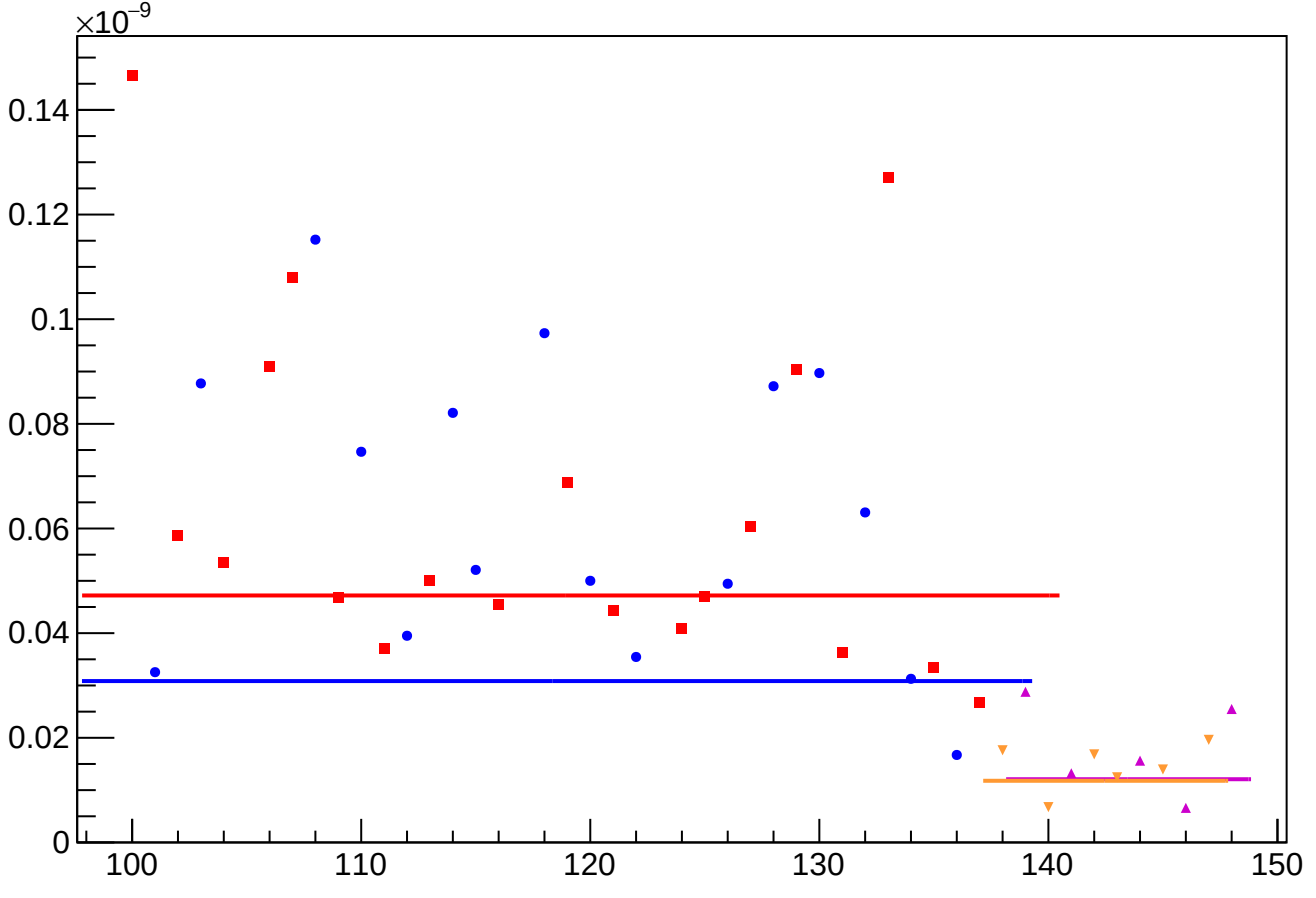
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/21

All: -0.000+/-0.000 χ^2/NDF: 45.6/45

- sign 0.000+/-0.000 χ^2/NDF: 30.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:448345.9/5

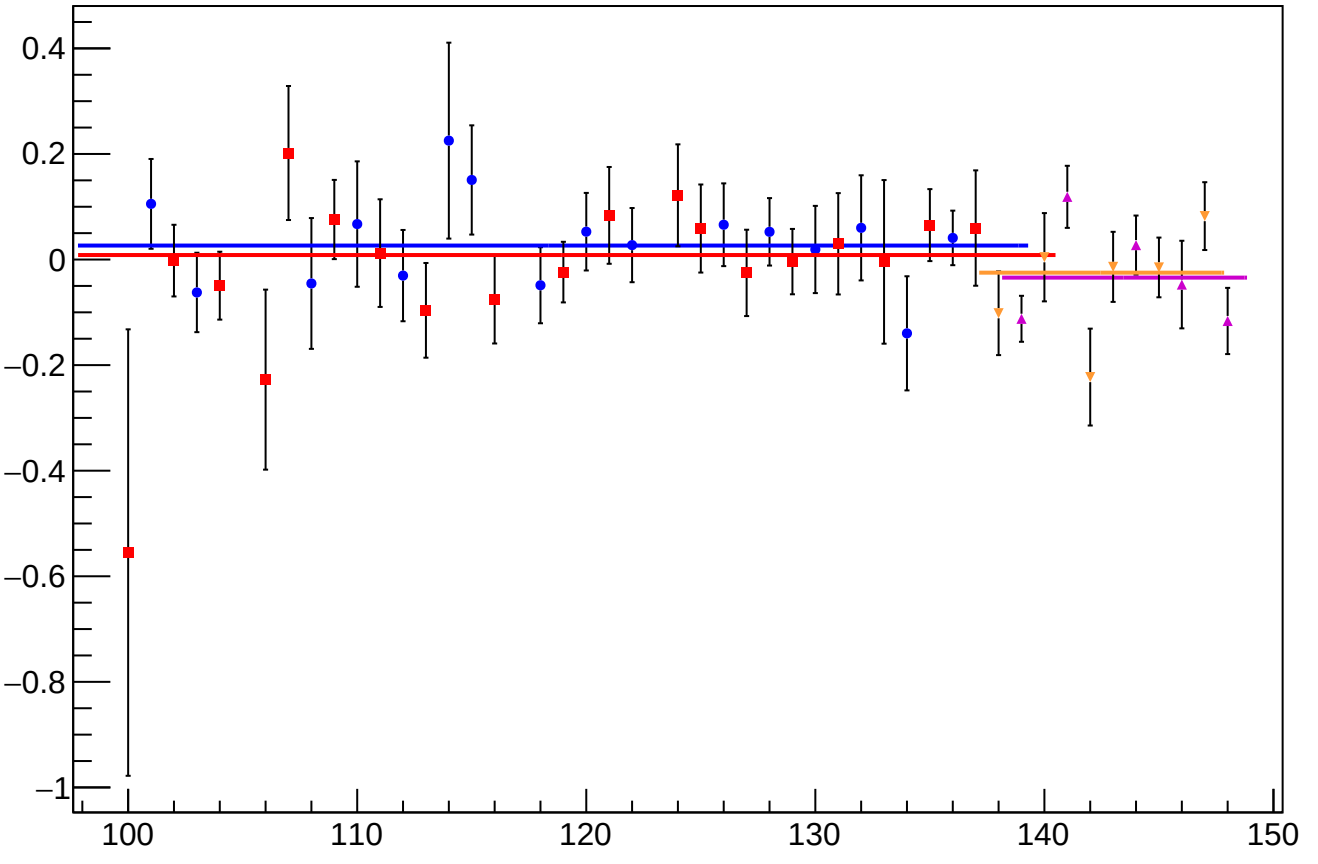
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:867876.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3660273.4/21

All: 0.000+/-0.000 χ^2/NDF: 7928976.8/45

- sign 0.000+/-0.000 χ^2/NDF: 4253214.7/23



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

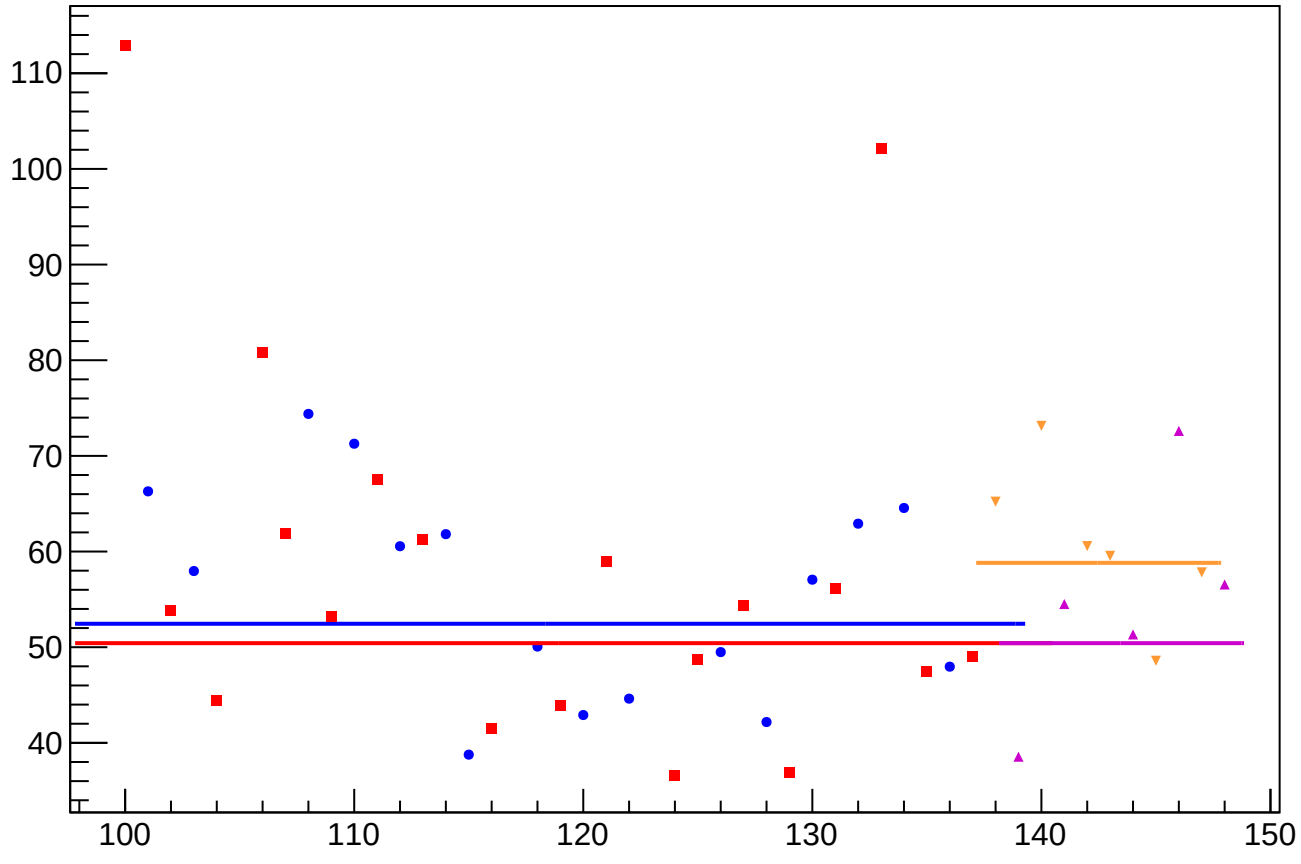
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.000+/-0.011 χ^2/NDF: 49.8/45

- sign -0.007+/-0.015 χ^2/NDF: 28.7/23



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

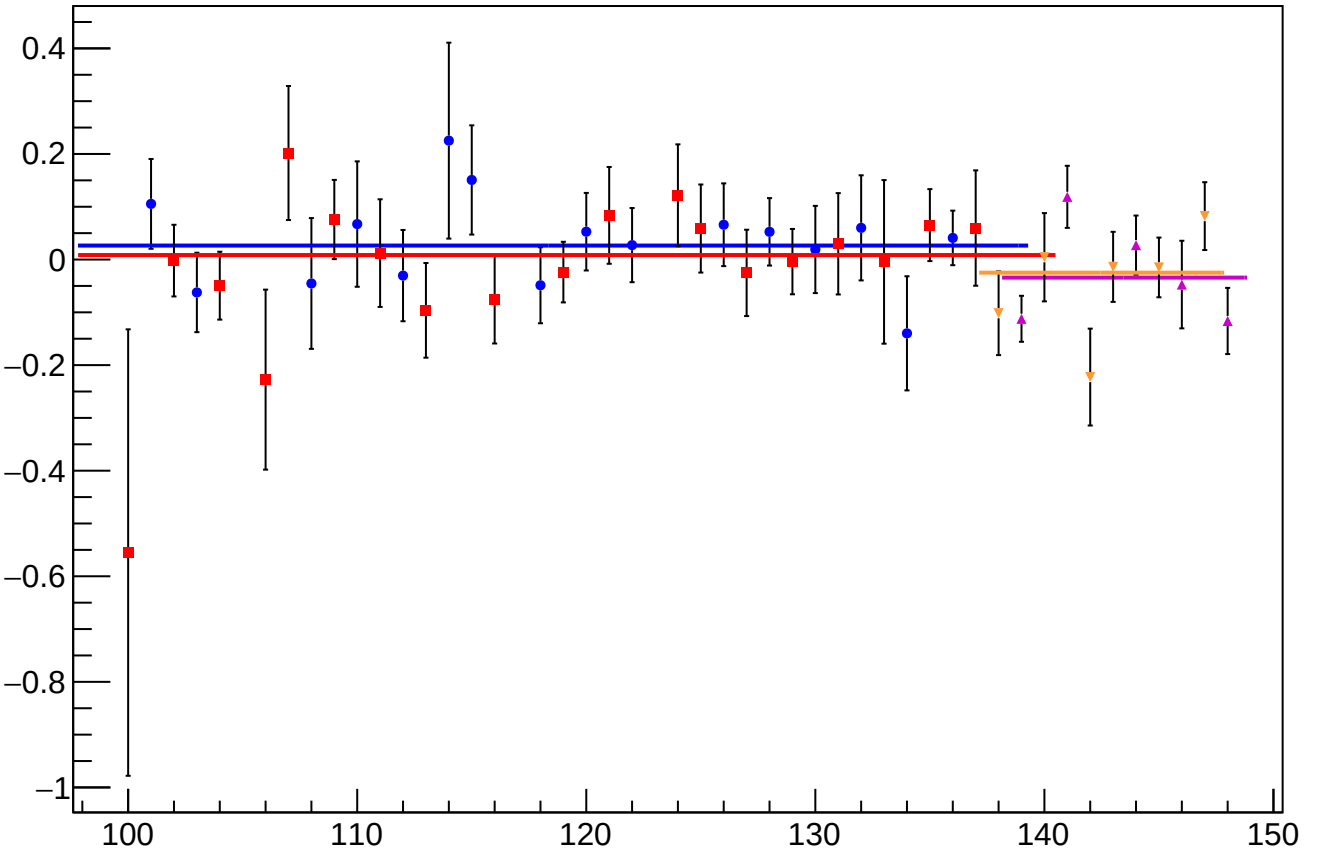
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

\+ sign 54.575+/-0.012 χ^2/NDF: 621646.3/21

All: 52.348+/-0.008 χ^2/NDF: 1685957.8/45

\- sign 50.423+/-0.011 χ^2/NDF: 997650.9/23



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

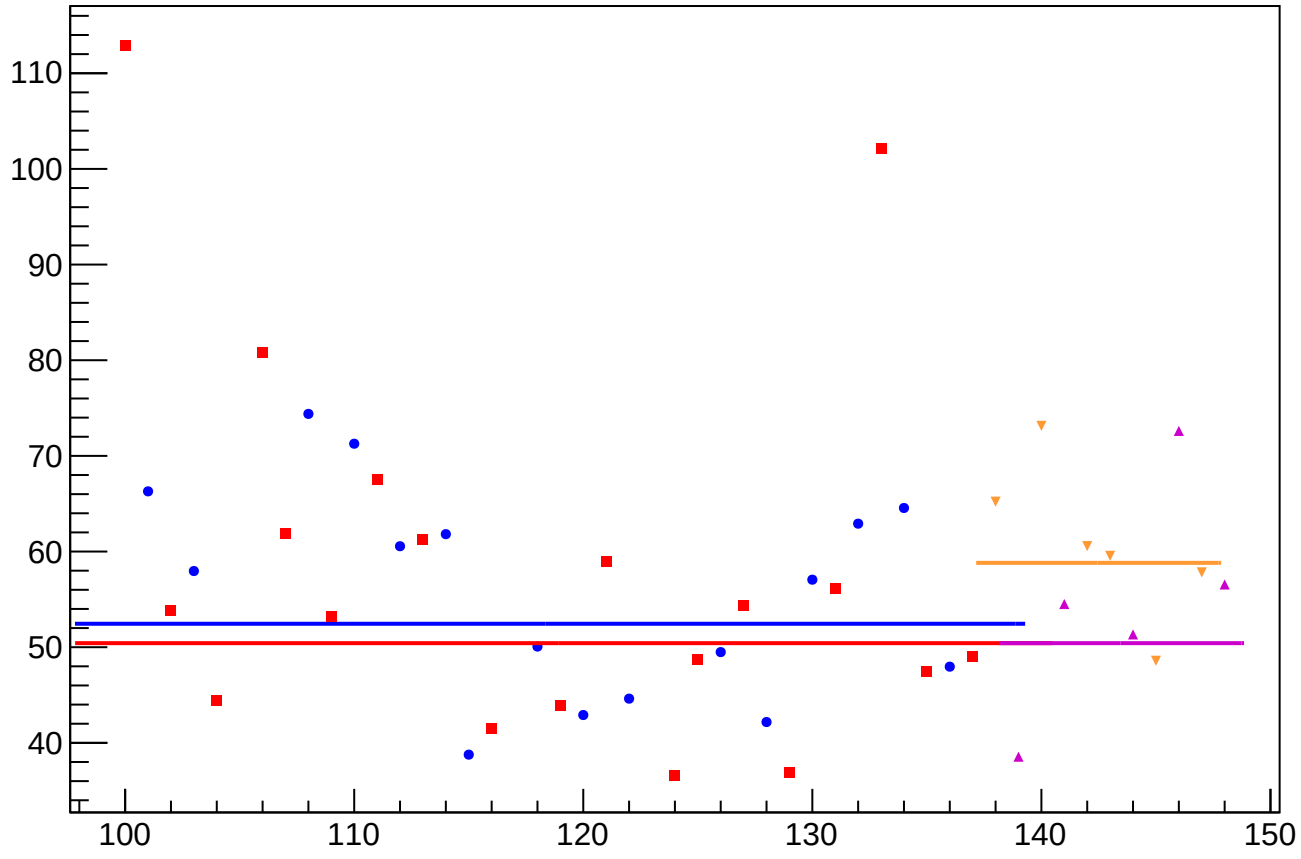
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.000+/-0.011 χ^2/NDF: 49.8/45

- sign -0.007+/-0.015 χ^2/NDF: 28.7/23



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

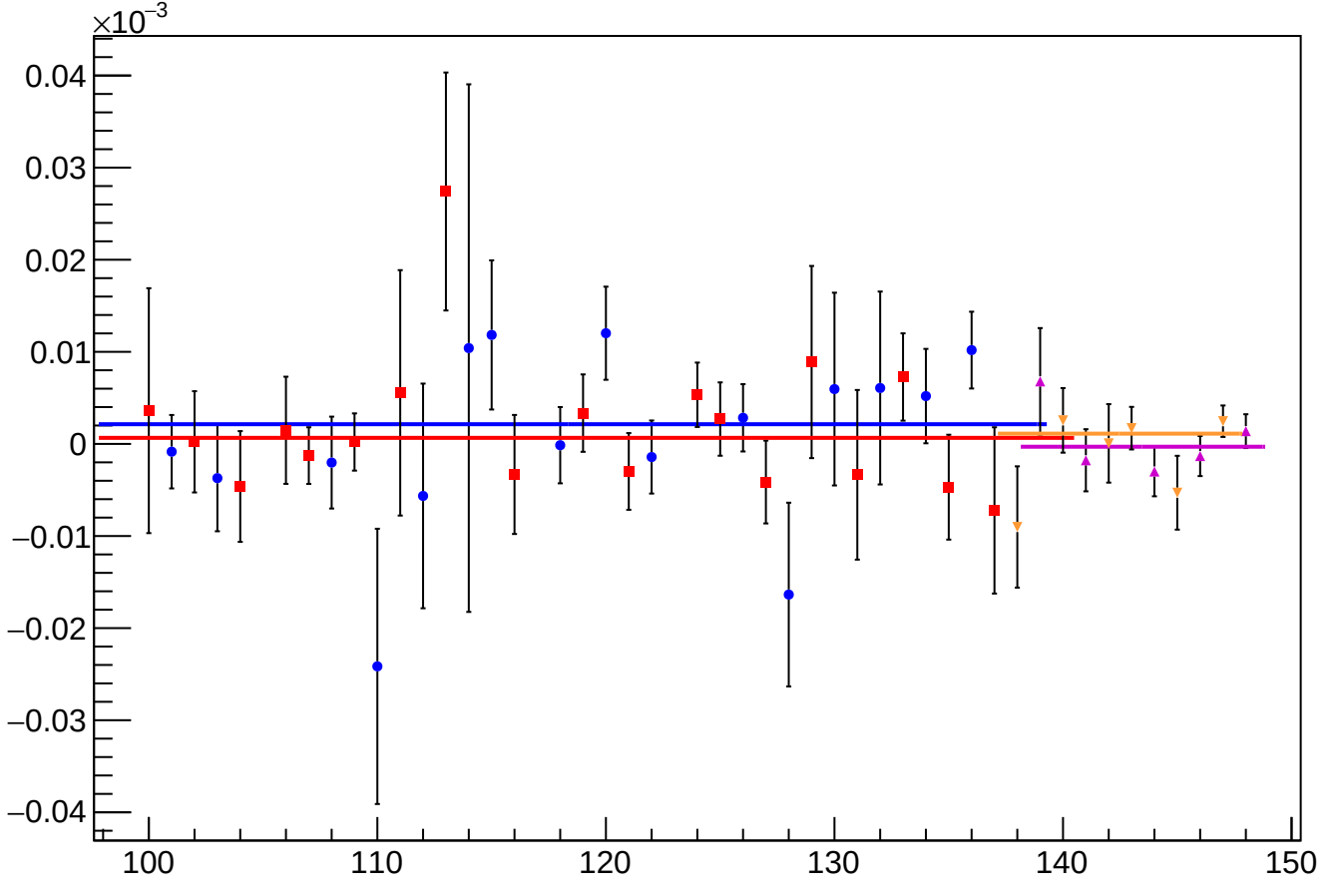
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

+ sign 54.575+/-0.012 χ^2/NDF: 621646.3/21

All: 52.348+/-0.008 χ^2/NDF: 1685957.8/45

- sign 50.423+/-0.011 χ^2/NDF: 997650.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/5

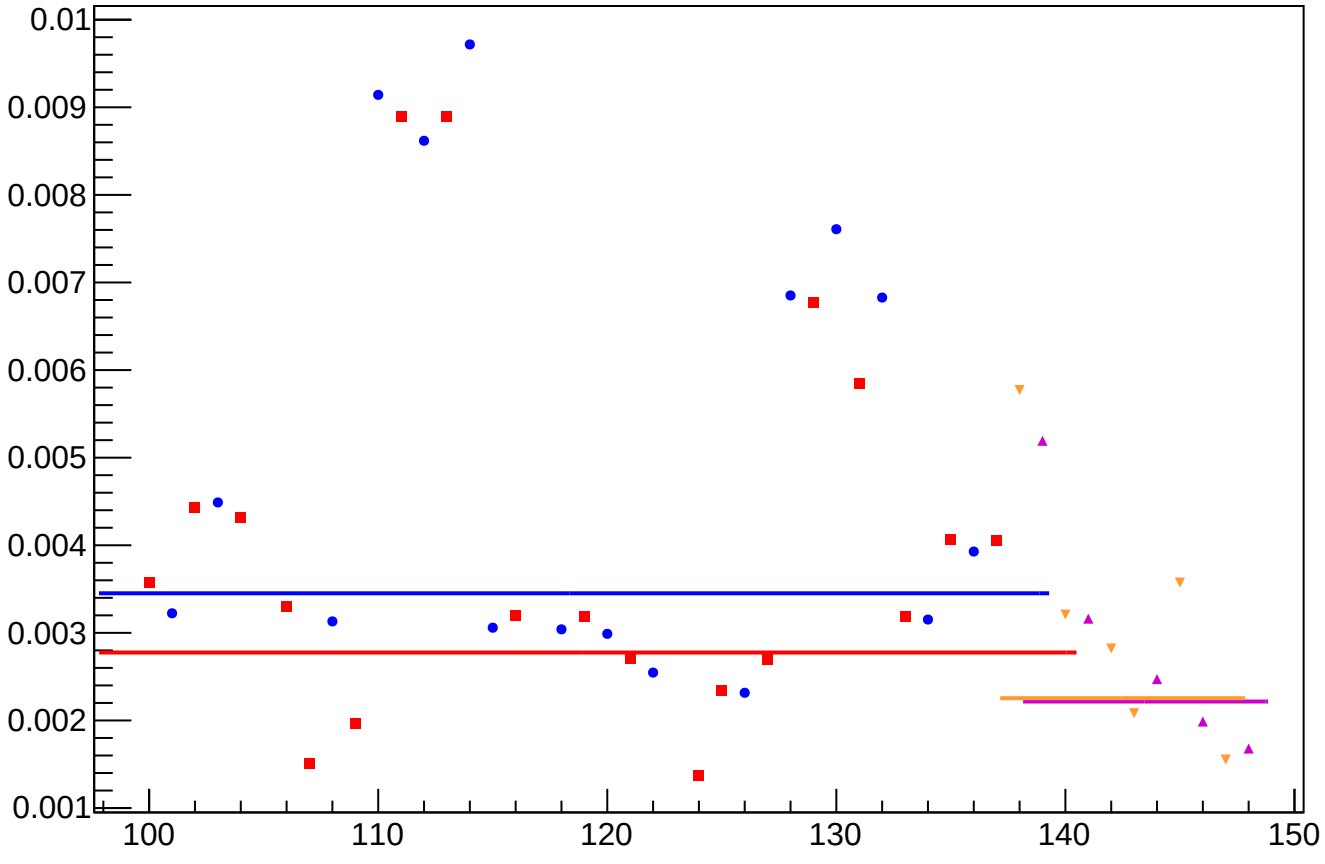
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/21

All: 0.000+/-0.000 χ^2/NDF: 46.5/45

- sign 0.000+/-0.000 χ^2/NDF: 18.9/23



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1318698.4/5

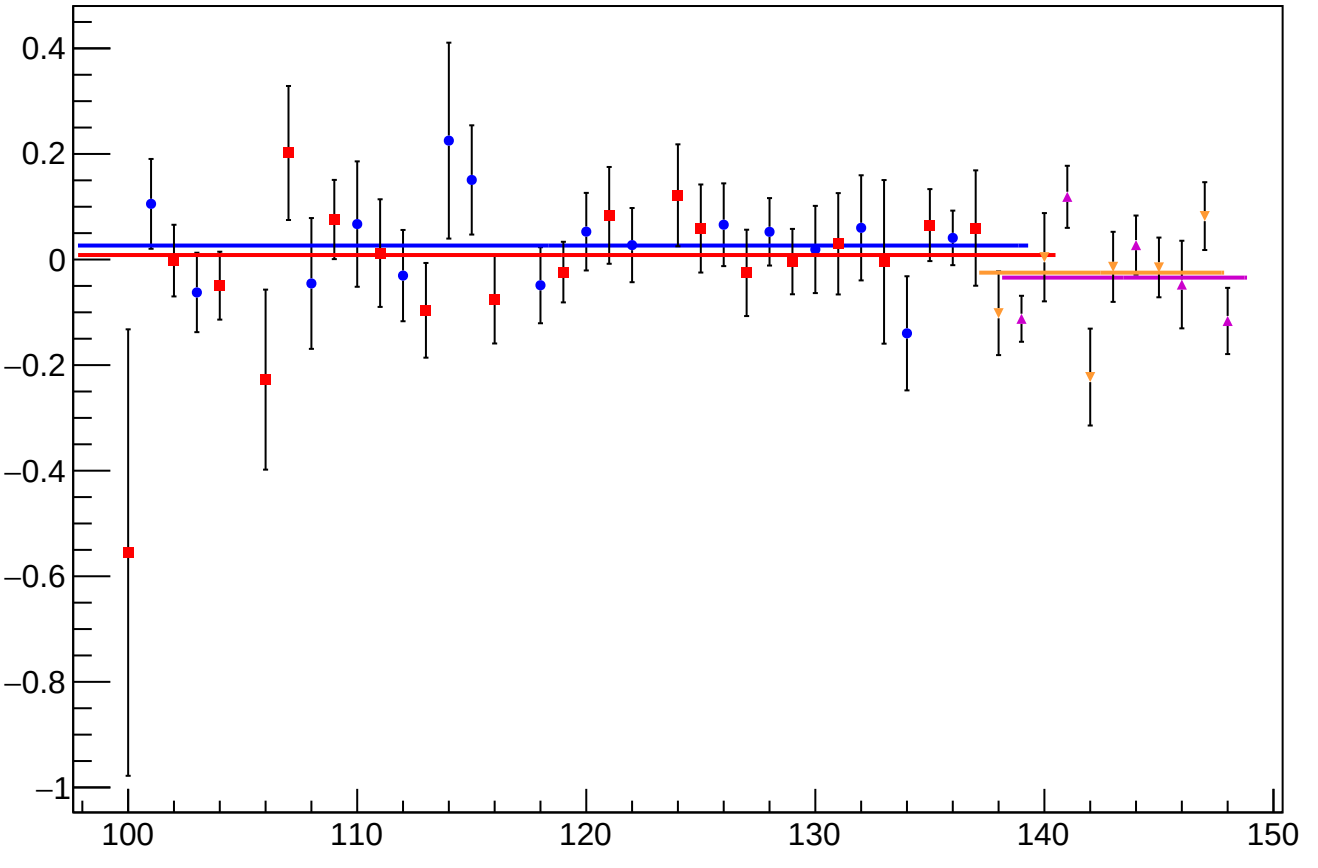
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:897656.1/4

+ sign 0.003+/-0.000 χ^2/NDF: 4151871.2/21

All: 0.003+/-0.000 χ^2/NDF: 8109015.4/45

- sign 0.002+/-0.000 χ^2/NDF: 3870913.1/23



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

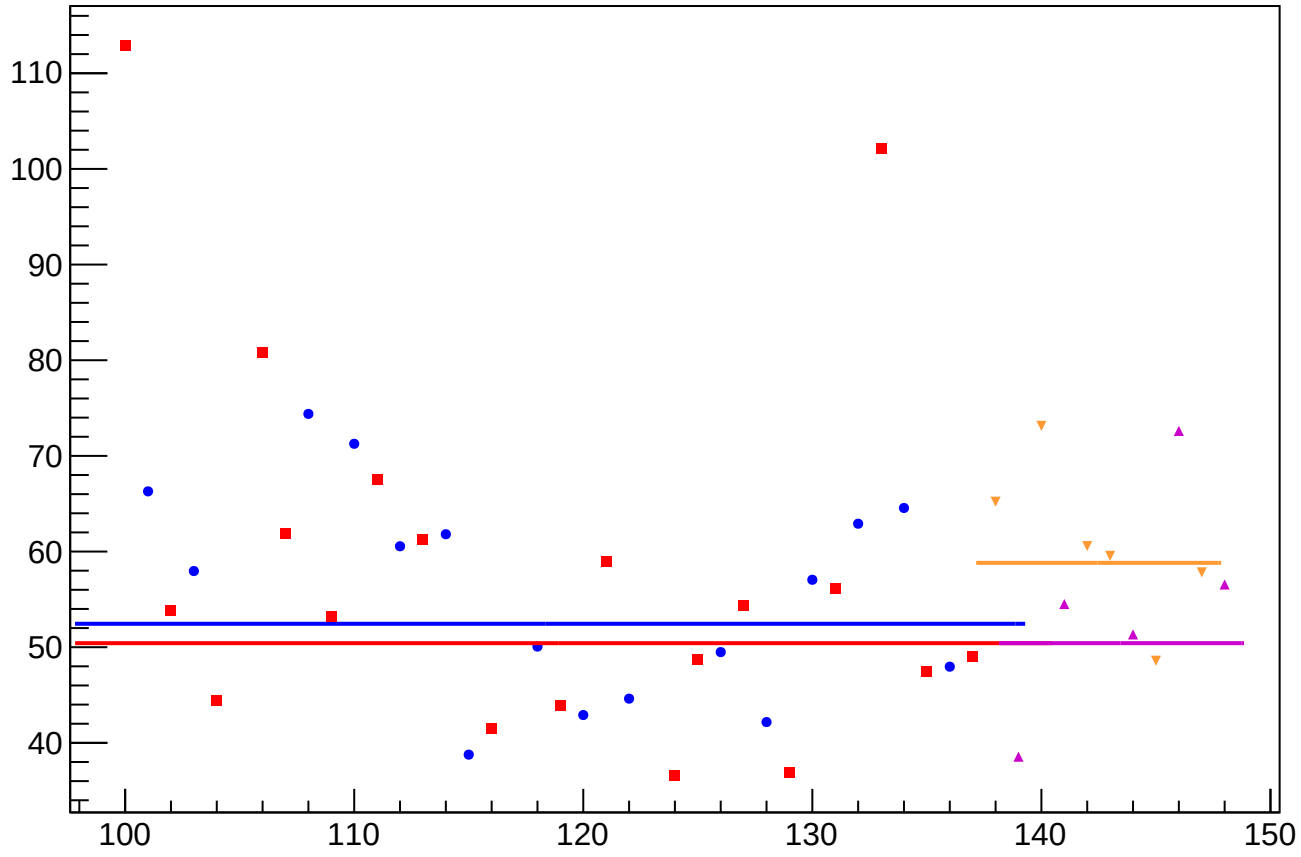
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.000+/-0.011 χ^2/NDF: 49.8/45

- sign -0.007+/-0.015 χ^2/NDF: 28.7/23



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

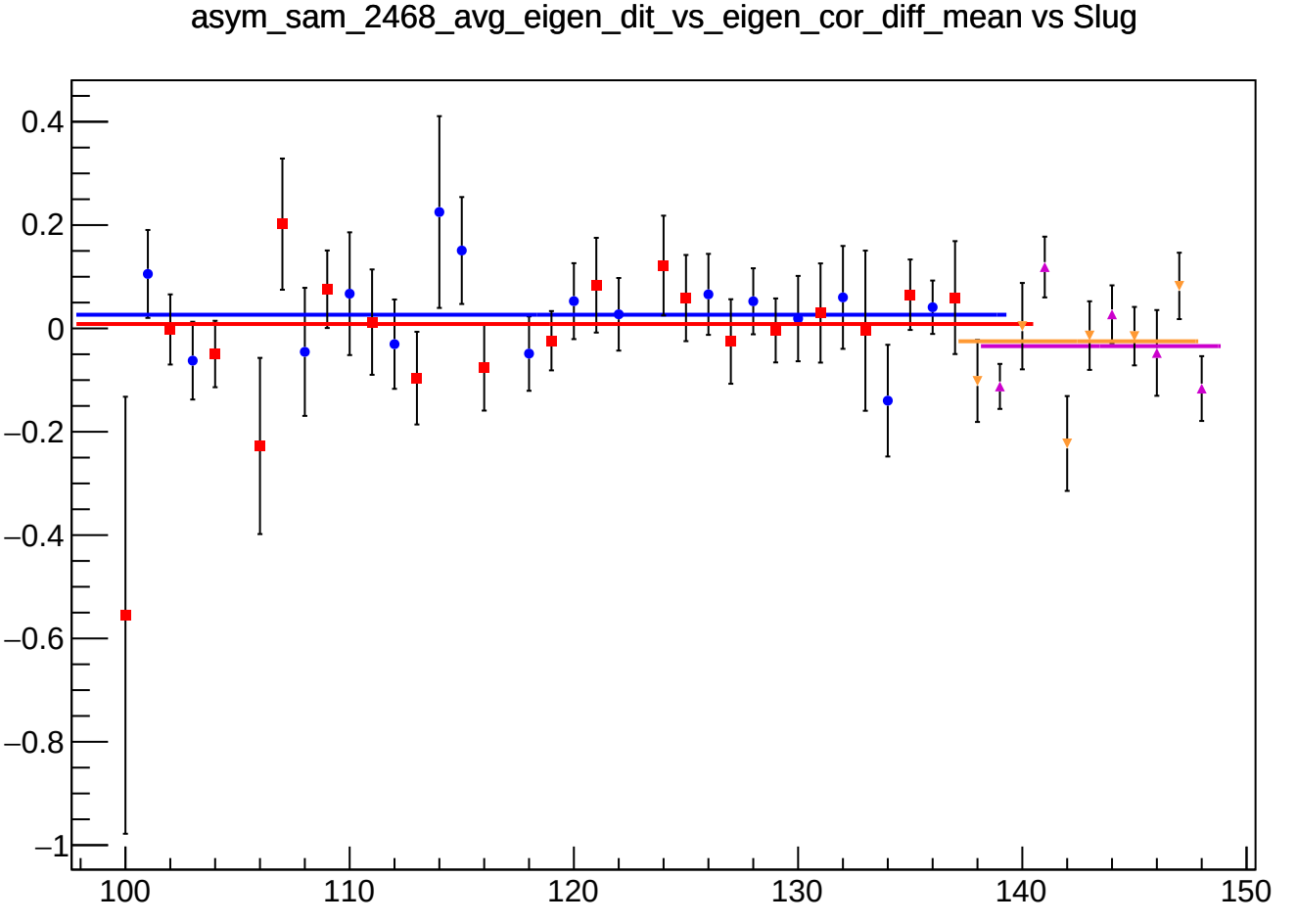
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

+ sign 54.574+/-0.012 χ^2/NDF: 621605.1/21

All: 52.347+/-0.008 χ^2/NDF: 1685970.4/45

- sign 50.422+/-0.011 χ^2/NDF: 997699.9/23



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

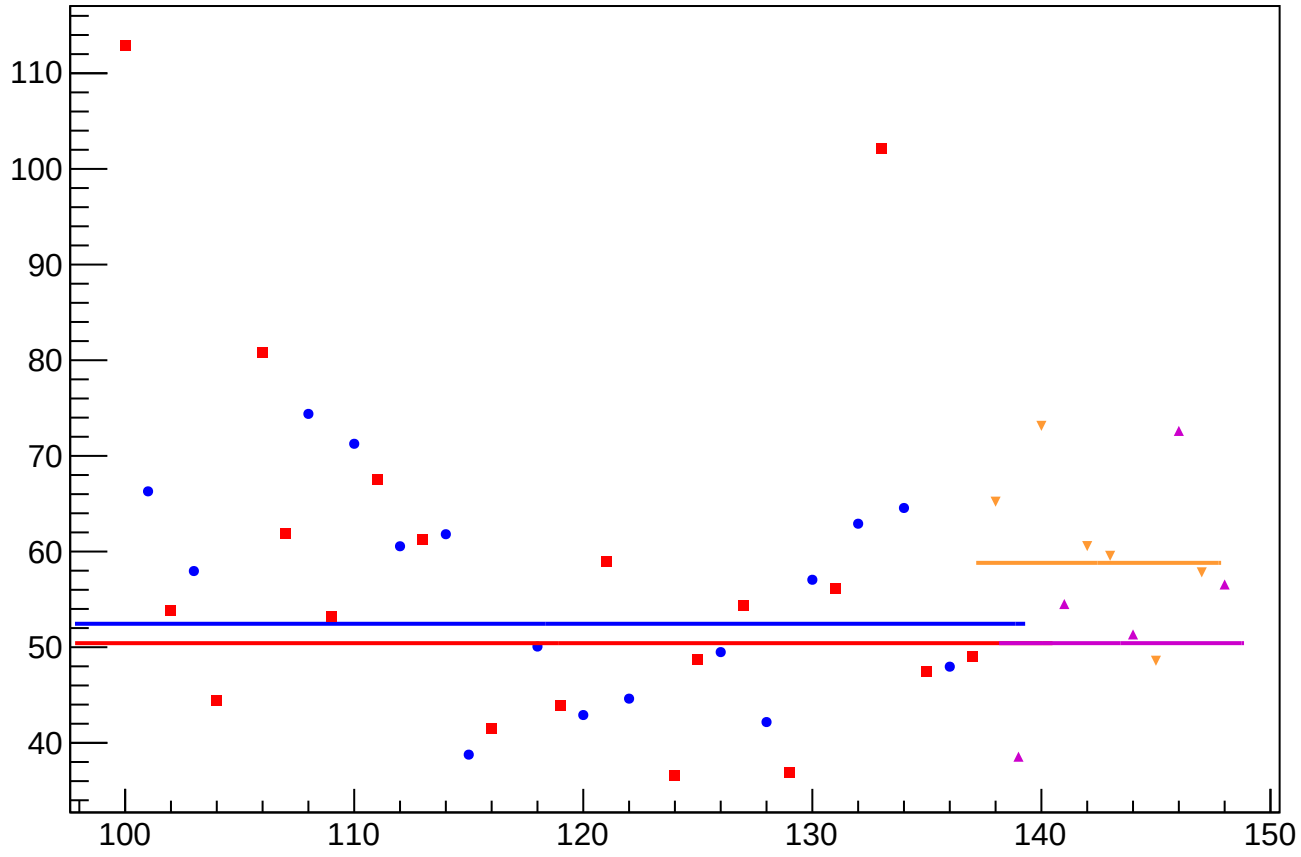
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.017 χ^2/NDF: 20.6/21

All: 0.000+/-0.011 χ^2/NDF: 49.8/45

- sign -0.007+/-0.015 χ^2/NDF: 28.7/23



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

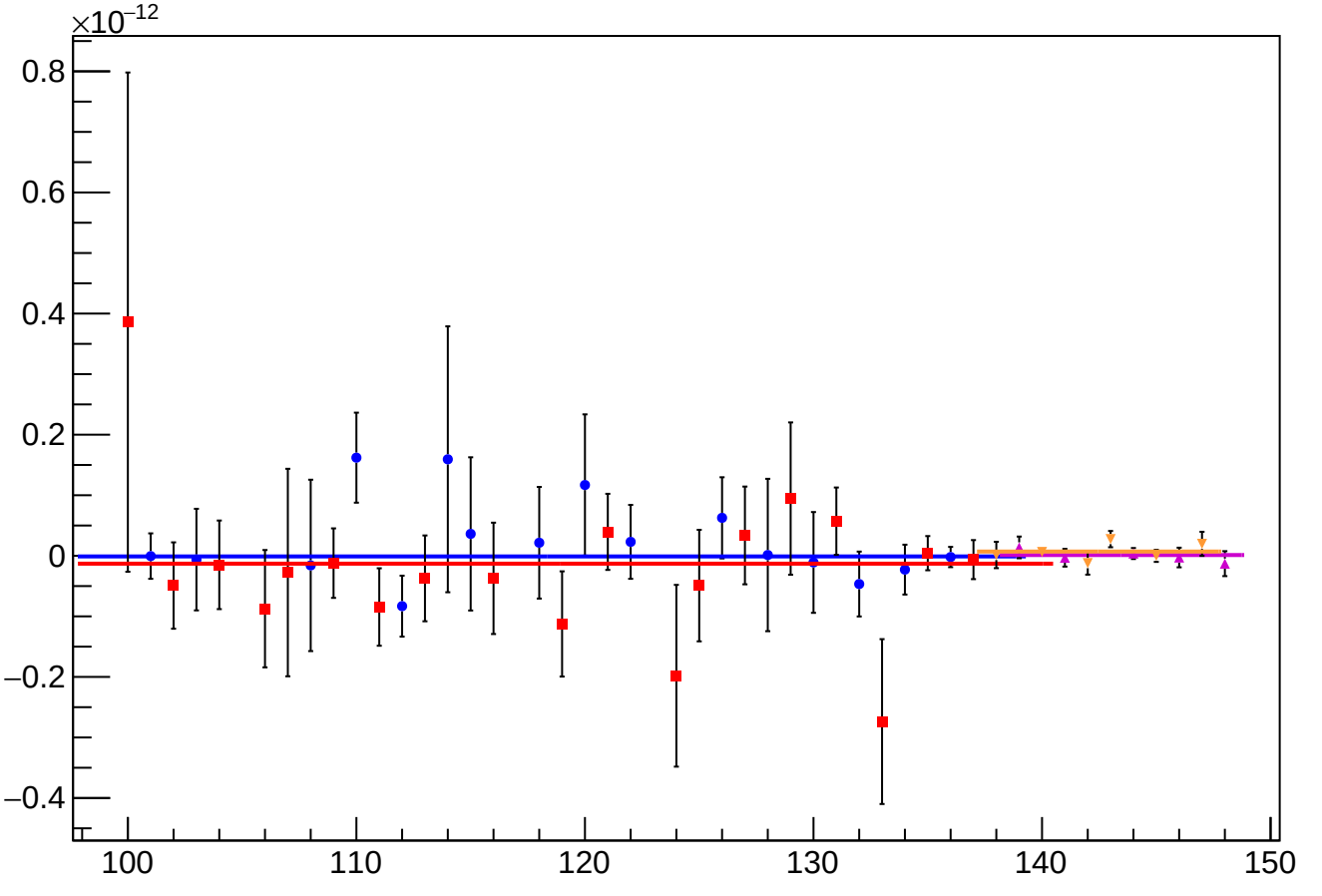
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

+ sign 54.574+/-0.012 χ^2/NDF: 621605.1/21

All: 52.347+/-0.008 χ^2/NDF: 1685970.4/45

- sign 50.422+/-0.011 χ^2/NDF: 997699.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/5

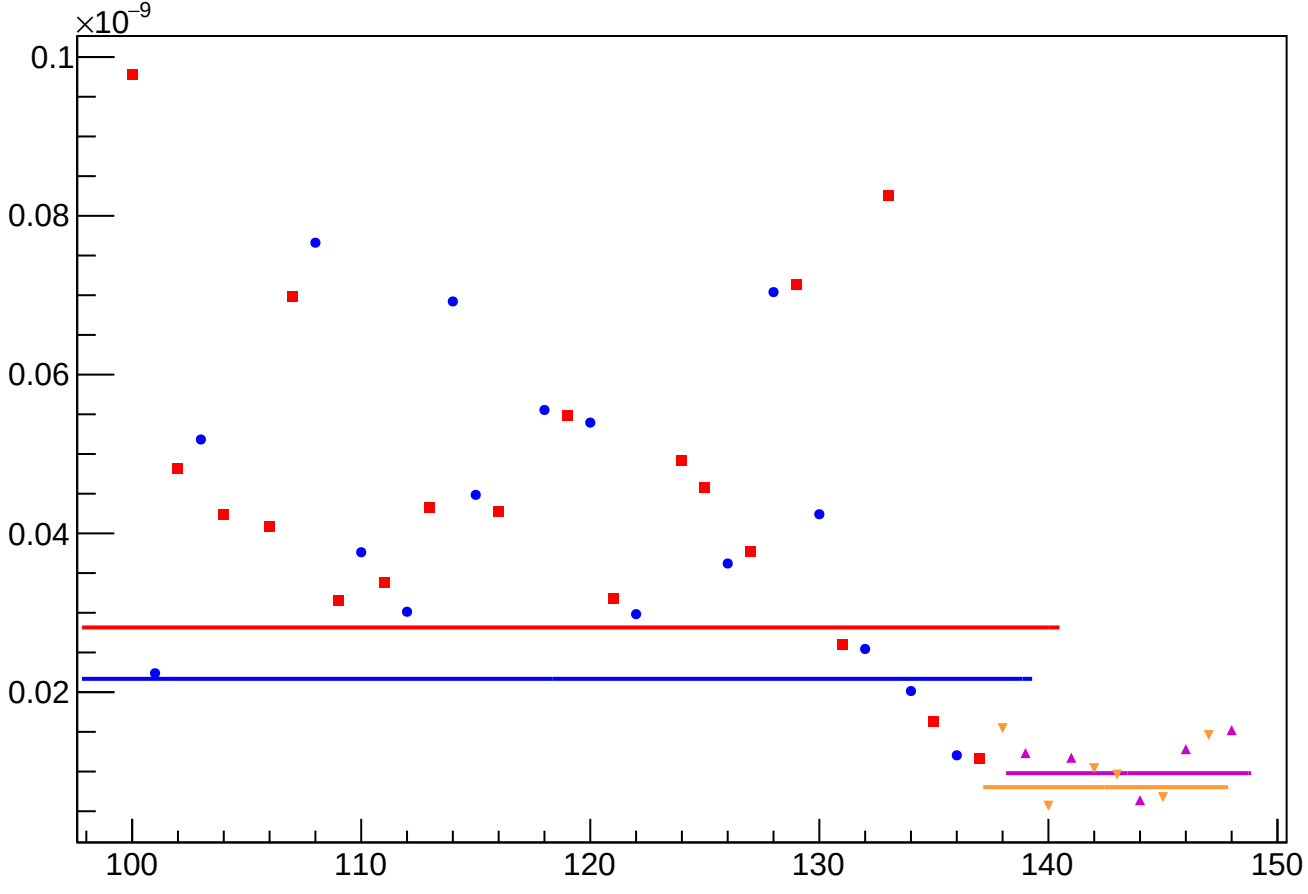
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.0/21

All: 0.000+/-0.000 χ^2/NDF: 32.5/45

- sign -0.000+/-0.000 χ^2/NDF: 15.7/23



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

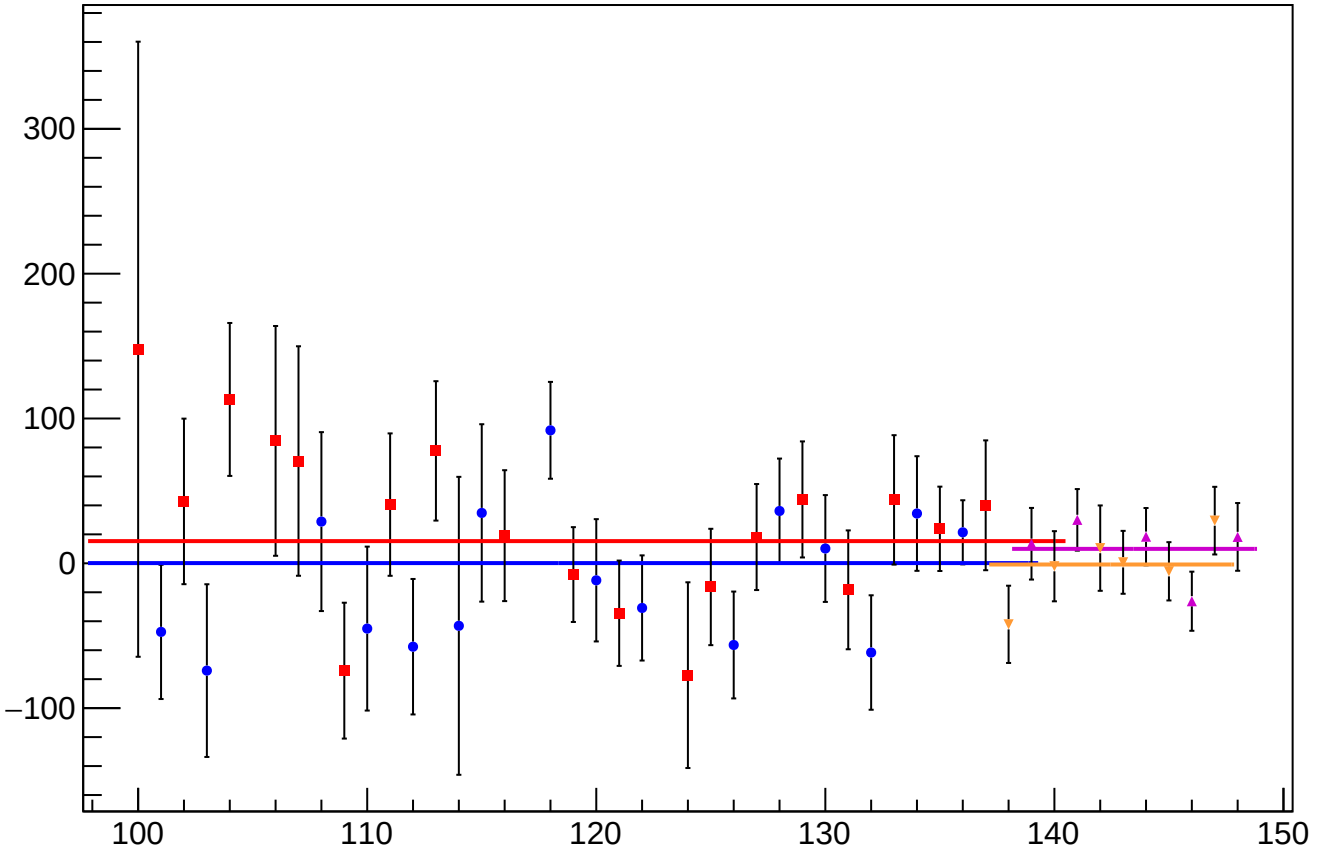
Left In: 0.000+/-0.000 χ^2/NDF:563618.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 5419415.7/21

All: 0.000+/-0.000 χ^2/NDF: 11298677.1/45

- sign 0.000+/-0.000 χ^2/NDF: 5655086.8/23

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

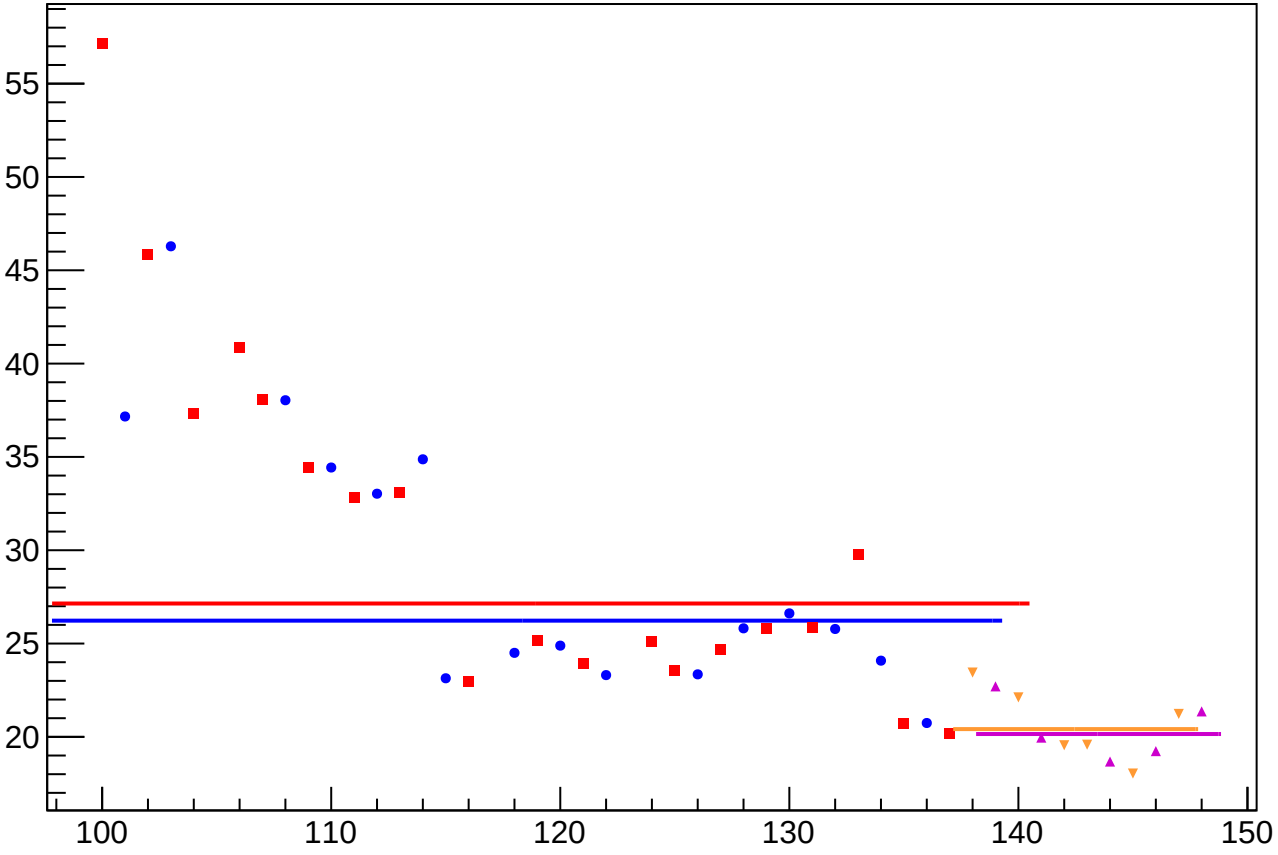
Left In: 9.973+/-9.699 χ^2/NDF:4.4/4

+ sign -0.350+/-6.969 χ^2/NDF: 25.6/21

All: 6.001+/-4.957 χ^2/NDF: 49.7/45

- sign 12.500+/-7.051 χ^2/NDF: 22.4/23

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

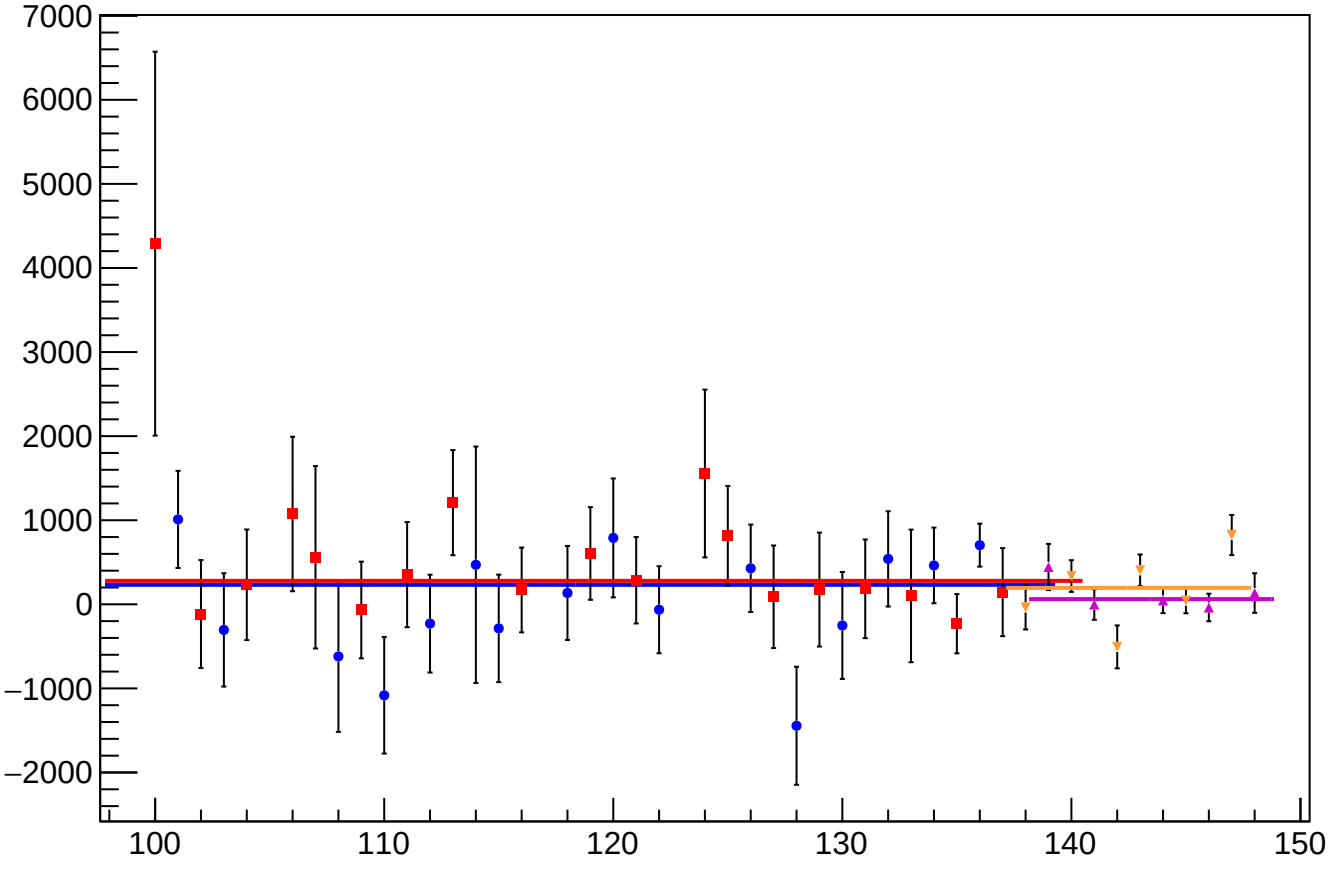
Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 23.212+/-0.005 χ^2/NDF: 1093842.8/21

All: 23.330+/-0.004 χ^2/NDF: 2382672.7/45

- sign 23.450+/-0.005 χ^2/NDF: 1287674.1/23

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

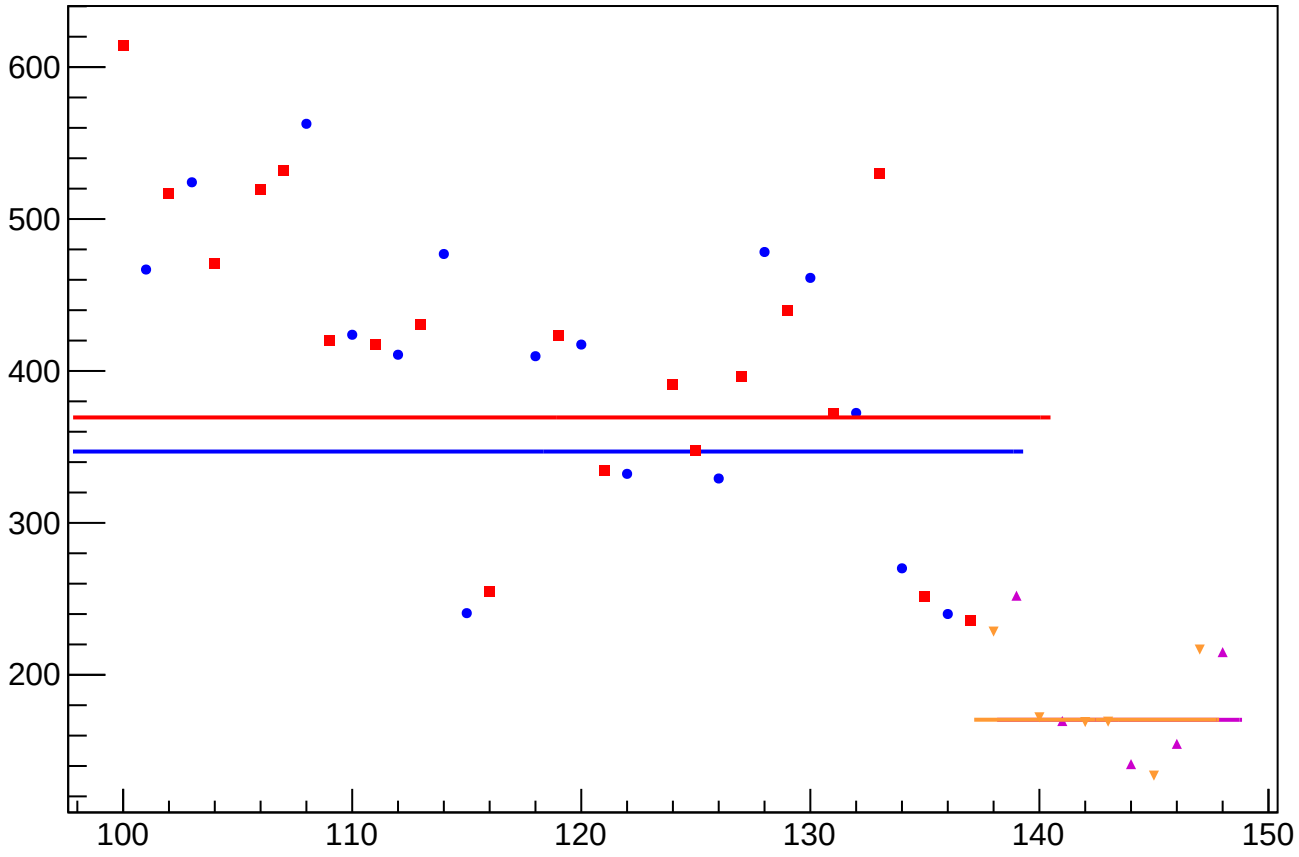
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 62.109+/-83.655 χ^2/NDF:2.5/4

+ sign 205.354+/-70.112 χ^2/NDF: 37.8/21

All: 163.309+/-50.165 χ^2/NDF: 54.9/45

- sign 119.206+/-71.807 χ^2/NDF: 16.4/23



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

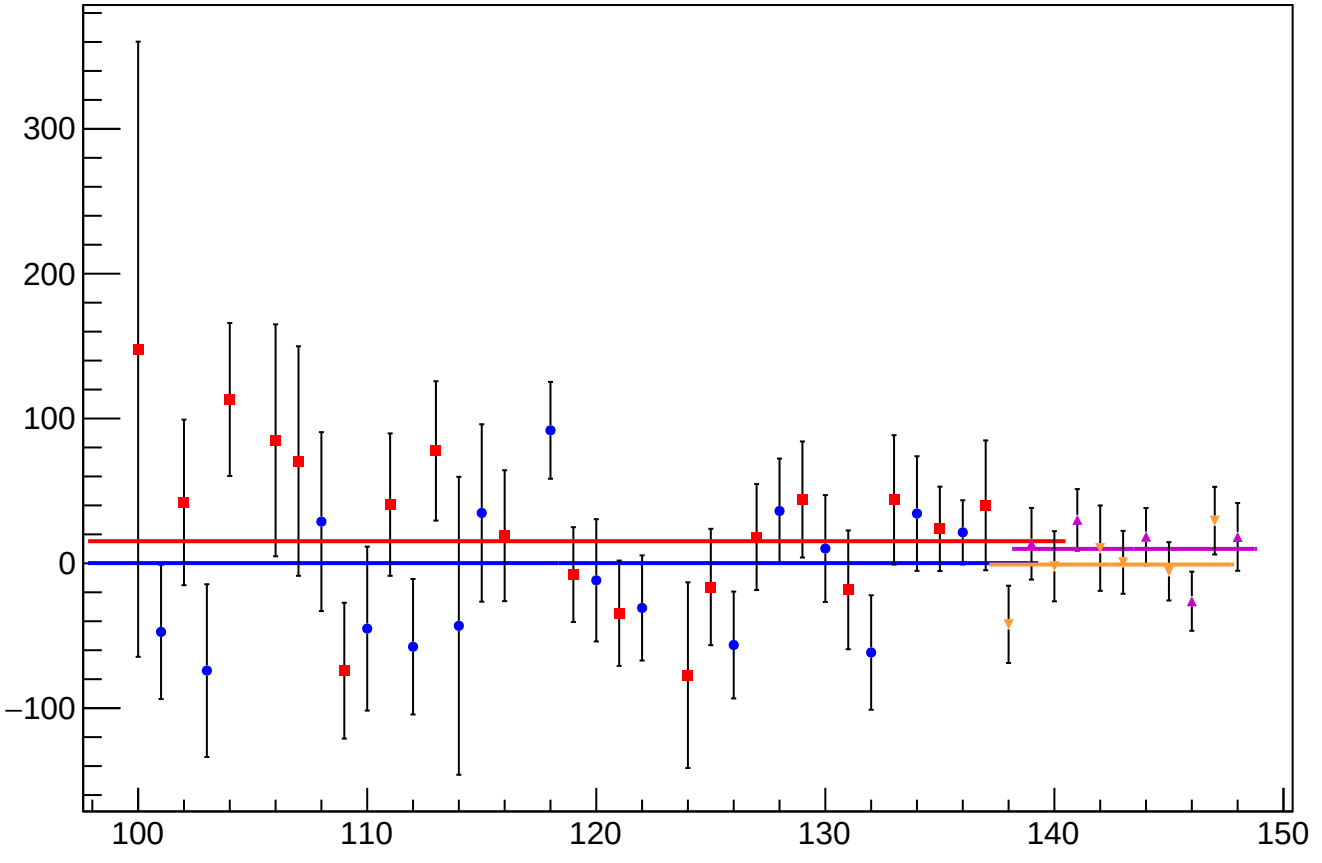
Left In: 170.396+/-0.059 χ^2/NDF:342303.0/4

+ sign 218.161+/-0.050 χ^2/NDF: 3851854.8/21

All: 220.414+/-0.035 χ^2/NDF: 8096492.7/45

- sign 222.777+/-0.051 χ^2/NDF: 4240405.9/23

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

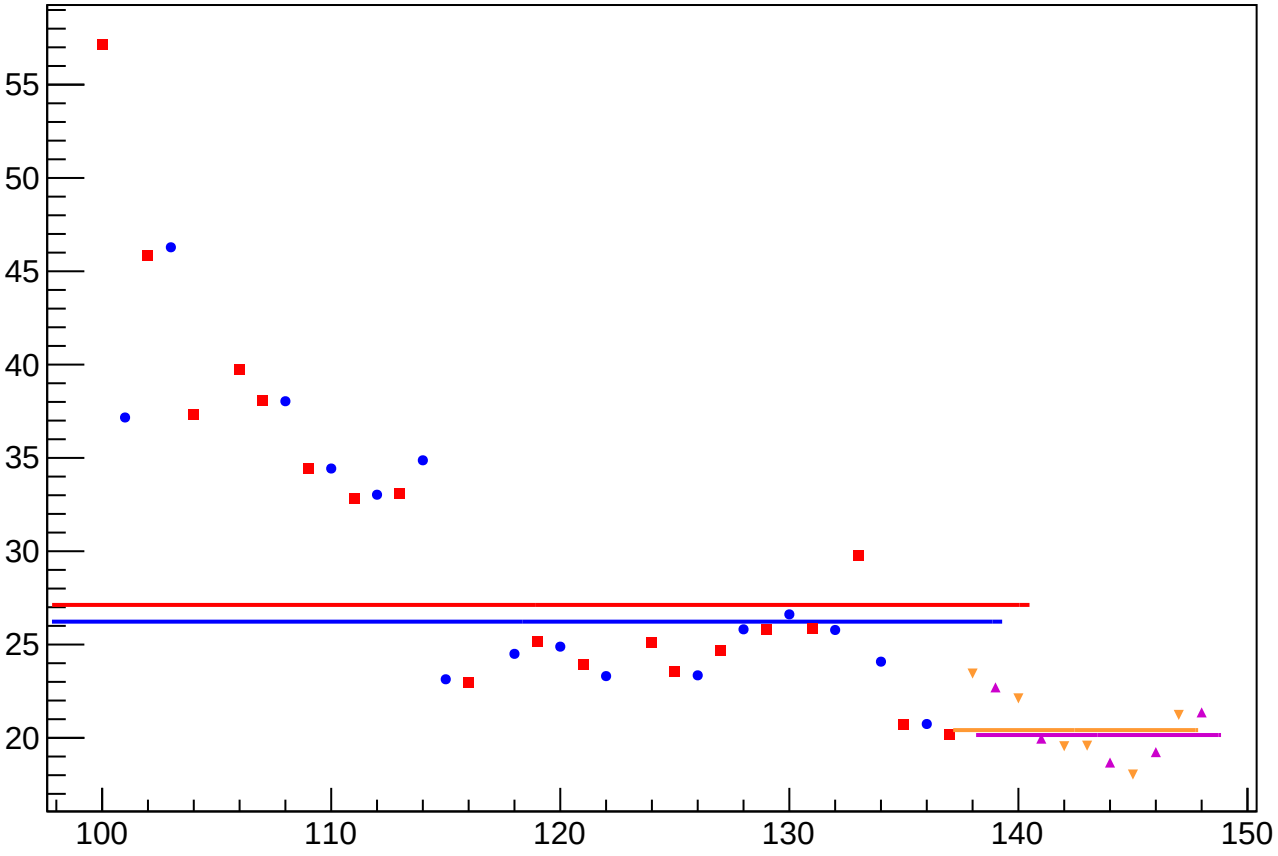
Left In: 9.976+/-9.699 χ^2/NDF:4.4/4

+ sign -0.351+/-6.969 χ^2/NDF: 25.6/21

All: 5.991+/-4.957 χ^2/NDF: 49.7/45

- sign 12.483+/-7.051 χ^2/NDF: 22.4/23

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

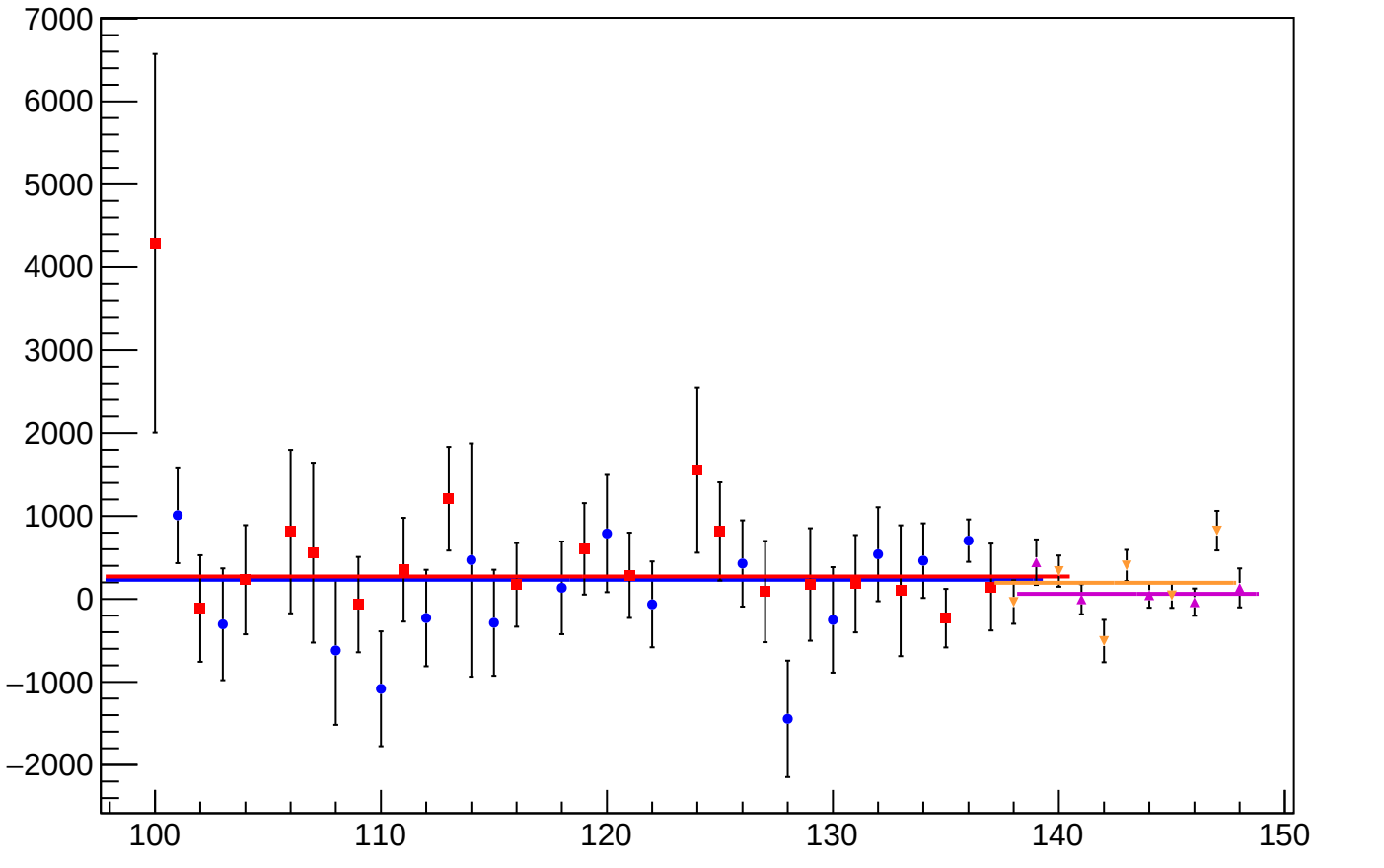
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 23.212+/-0.005 χ^2/NDF: 1093846.2/21

All: 23.324+/-0.004 χ^2/NDF: 2369675.0/45

- sign 23.439+/-0.005 χ^2/NDF: 1274776.5/23



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

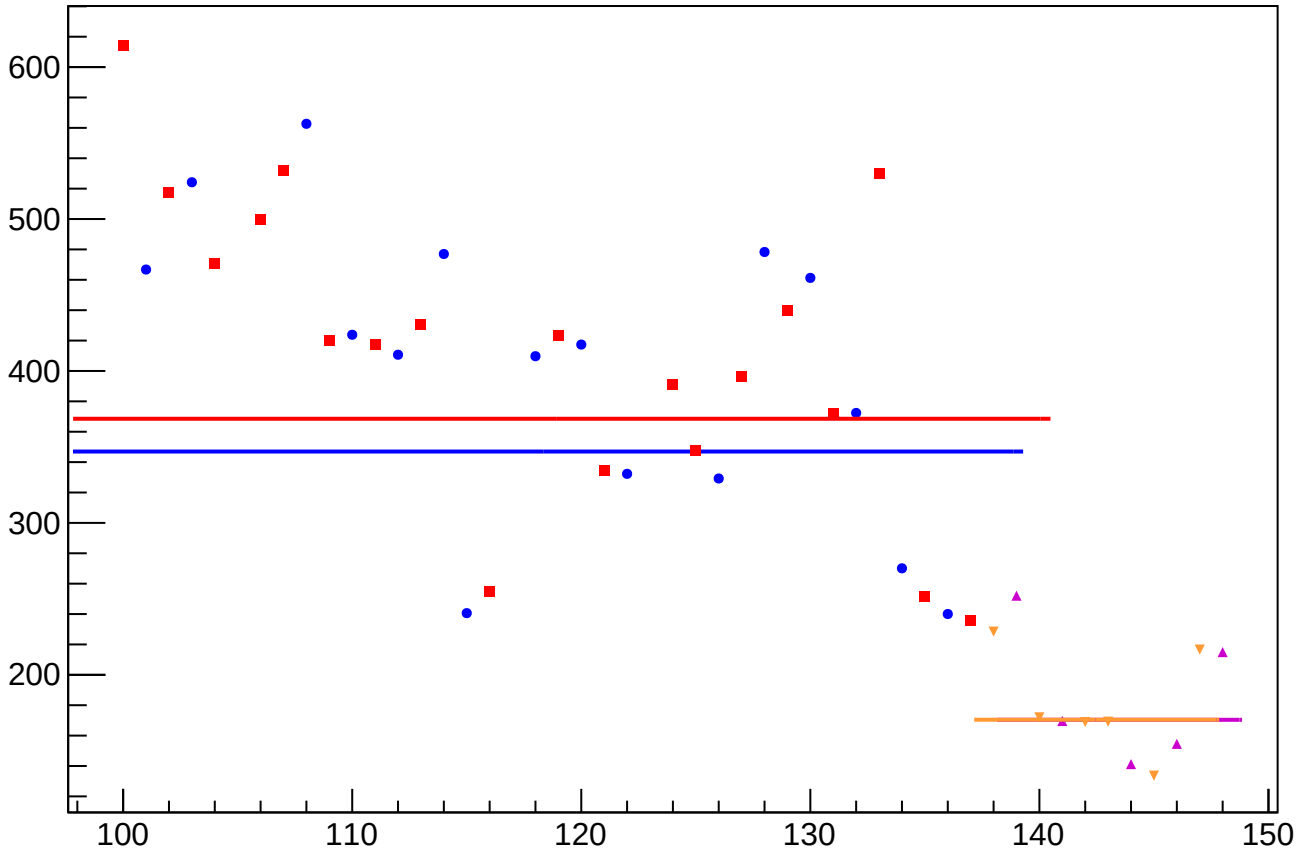
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 62.112+/-83.655 χ^2/NDF:2.5/4

+ sign 205.349+/-70.112 χ^2/NDF: 37.8/21

All: 162.284+/-50.175 χ^2/NDF: 54.4/45

- sign 117.075+/-71.836 χ^2/NDF: 15.8/23



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

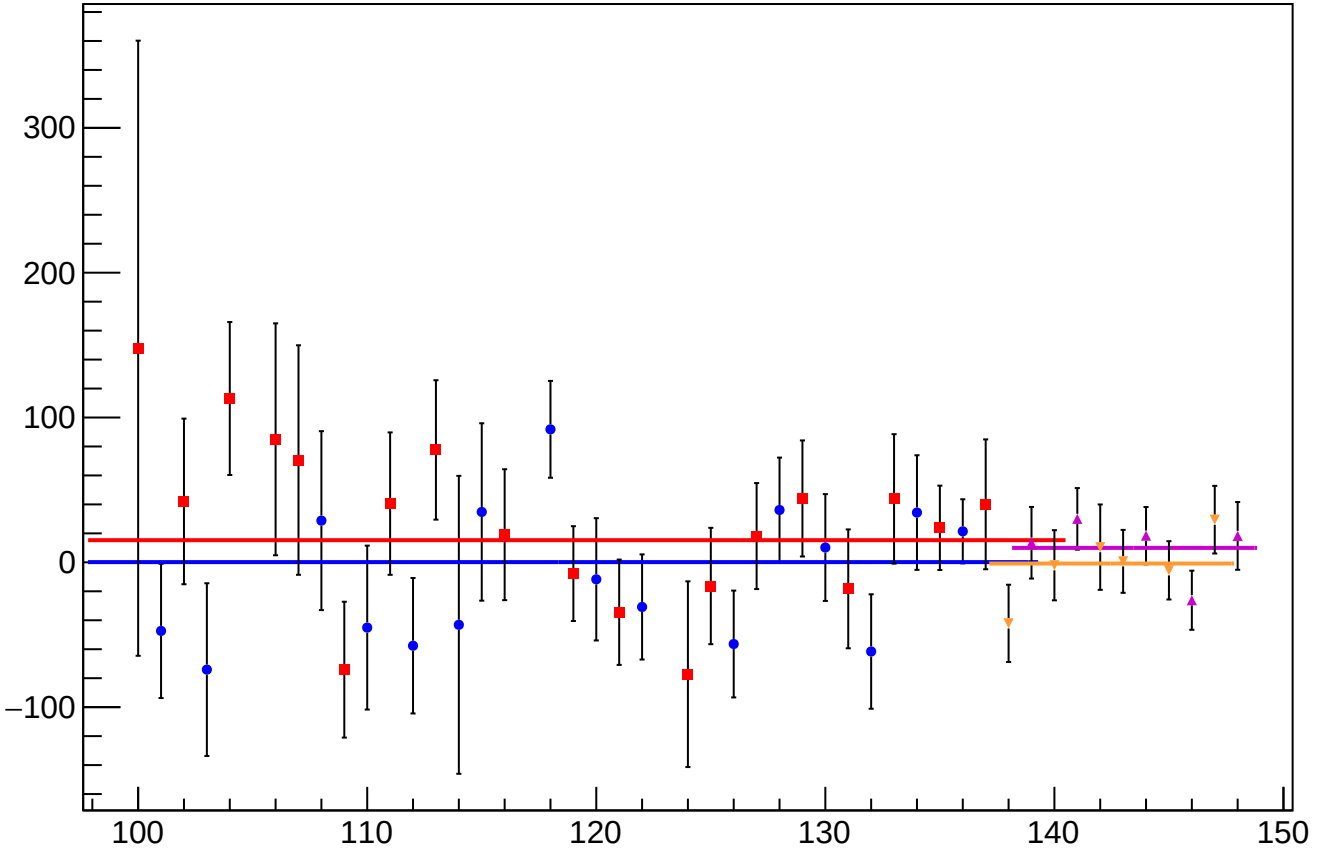
Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

+ sign 218.161+/-0.050 χ^2/NDF: 3851887.5/21

All: 220.243+/-0.035 χ^2/NDF: 8044616.8/45

- sign 222.430+/-0.051 χ^2/NDF: 4189111.2/23

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

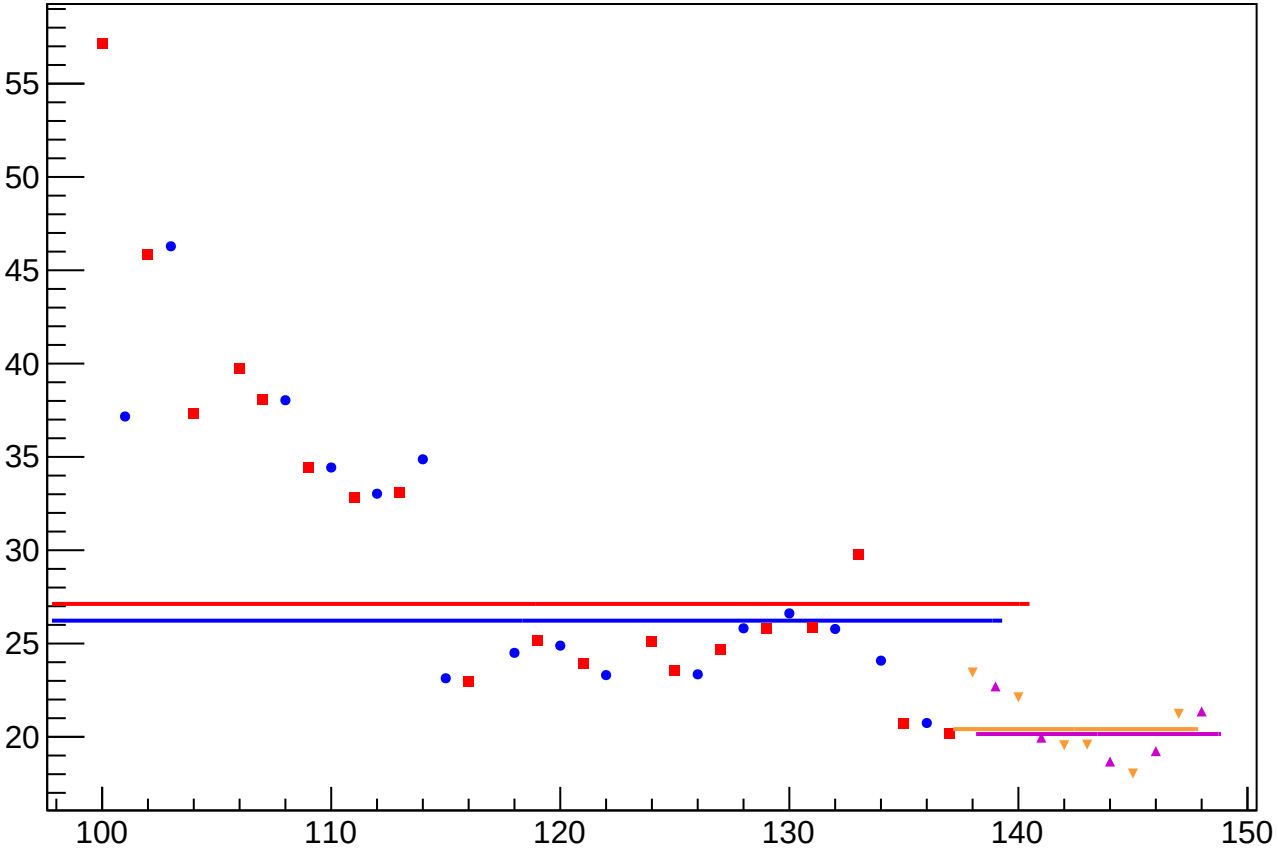
Left In: 9.976+/-9.699 χ^2/NDF:4.4/4

+ sign -0.351+/-6.969 χ^2/NDF: 25.6/21

All: 5.991+/-4.957 χ^2/NDF: 49.7/45

- sign 12.483+/-7.051 χ^2/NDF: 22.4/23

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

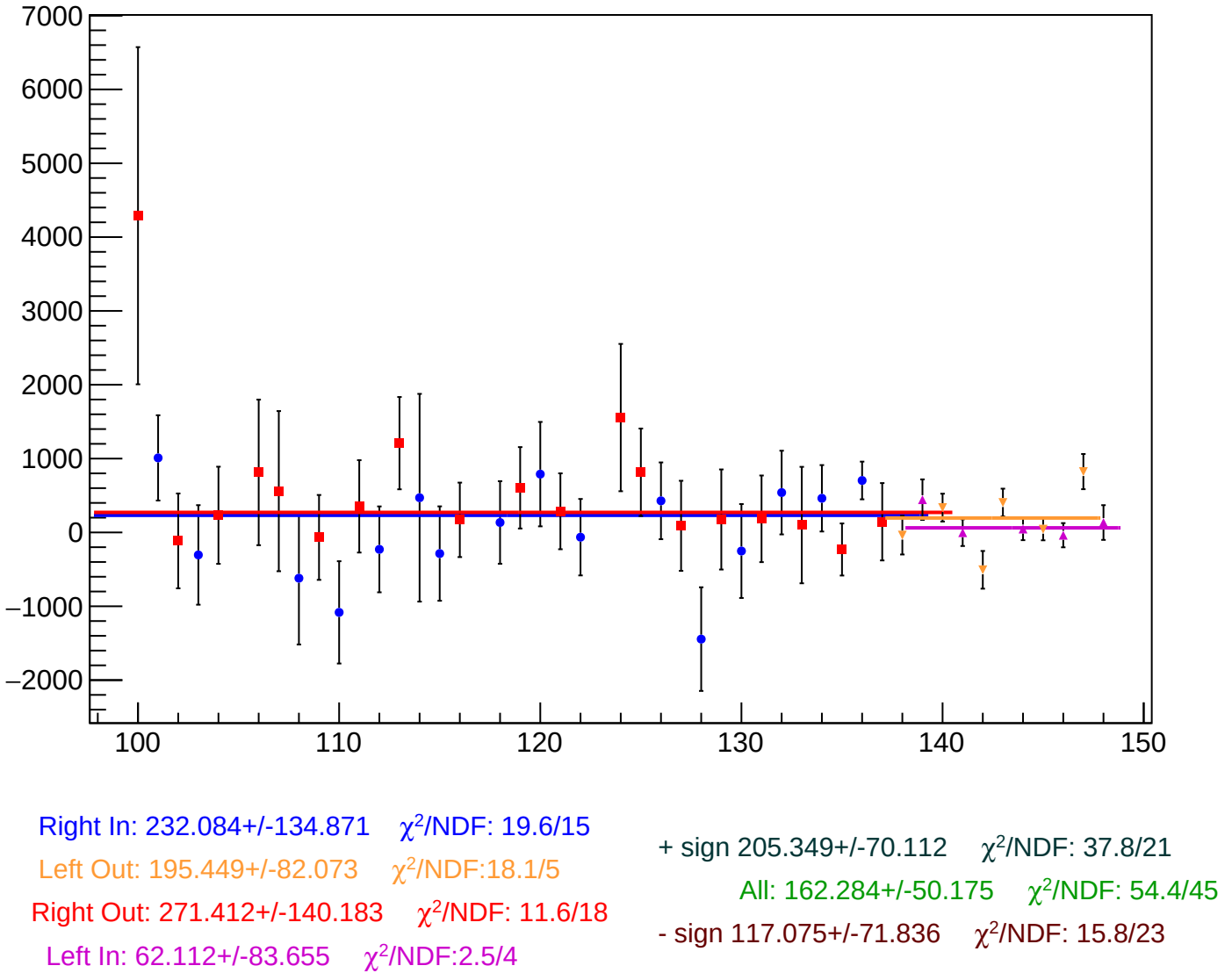
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

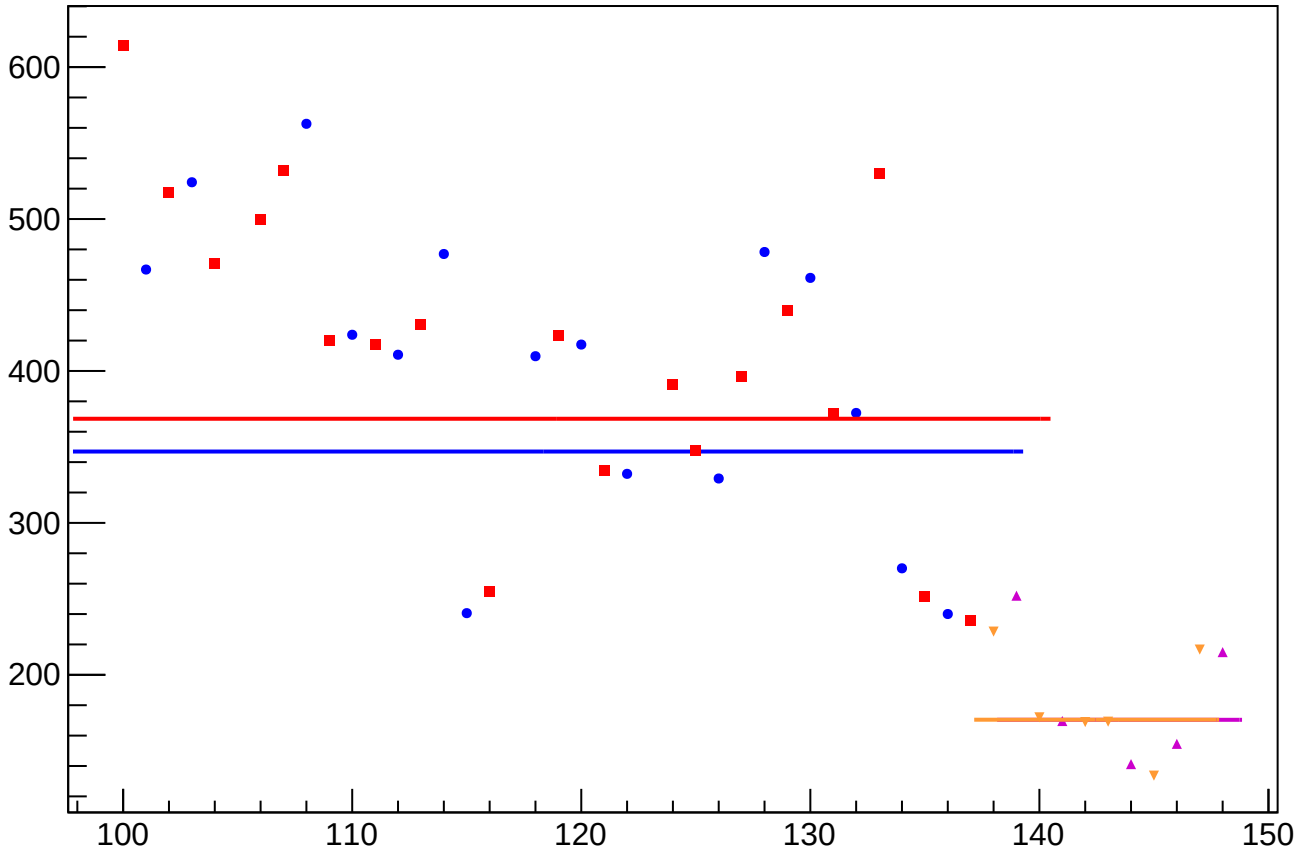
Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 23.212+/-0.005 χ^2/NDF: 1093846.2/21

All: 23.324+/-0.004 χ^2/NDF: 2369675.0/45

- sign 23.439+/-0.005 χ^2/NDF: 1274776.5/23


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 195.449+/-82.073 χ²/NDF:18.1/5
Right Out: 271.412+/-140.183 χ²/NDF: 11.6/18
Left In: 62.112+/-83.655 χ²/NDF:2.5/4
+ sign 205.349+/-70.112 χ²/NDF: 37.8/21
All: 162.284+/-50.175 χ²/NDF: 54.4/45
- sign 117.075+/-71.836 χ²/NDF: 15.8/23



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

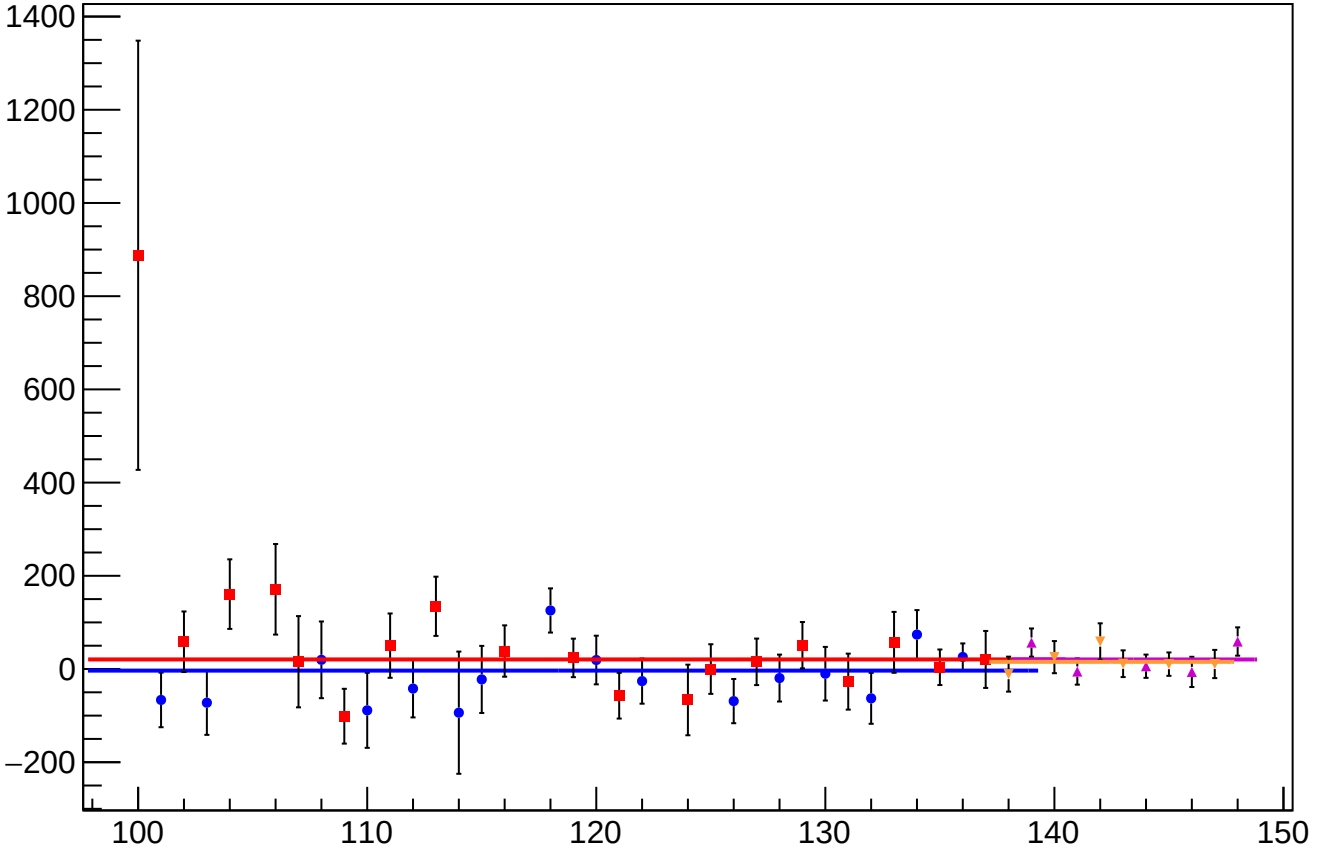
Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

+ sign 218.161+/-0.050 χ^2/NDF: 3851887.5/21

All: 220.243+/-0.035 χ^2/NDF: 8044616.8/45

- sign 222.430+/-0.051 χ^2/NDF: 4189111.2/23

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

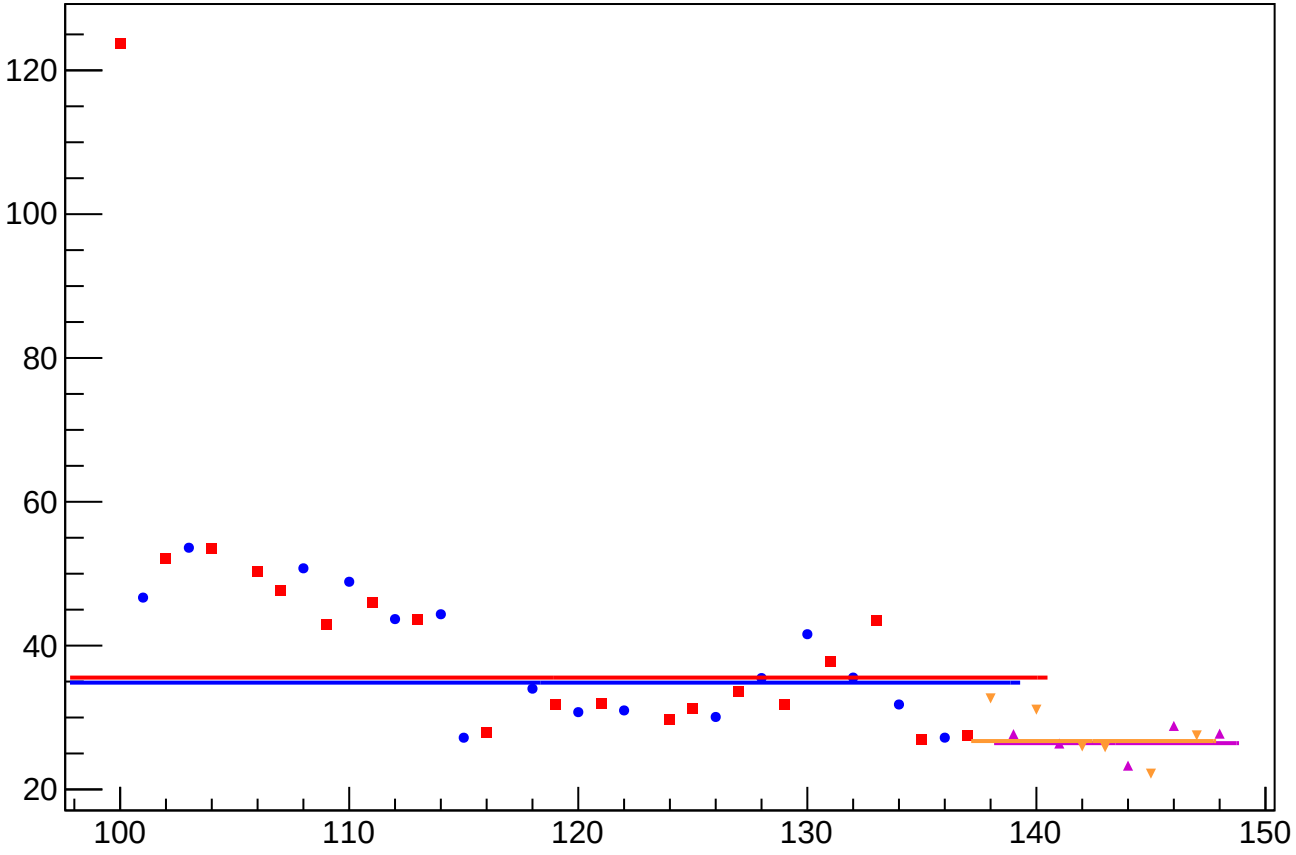
Left In: 20.470+/-12.925 χ^2/NDF:4.9/4

+ sign 6.426+/-9.256 χ^2/NDF: 21.4/21

All: 13.417+/-6.570 χ^2/NDF: 50.6/45

- sign 20.517+/-9.328 χ^2/NDF: 28.0/23

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

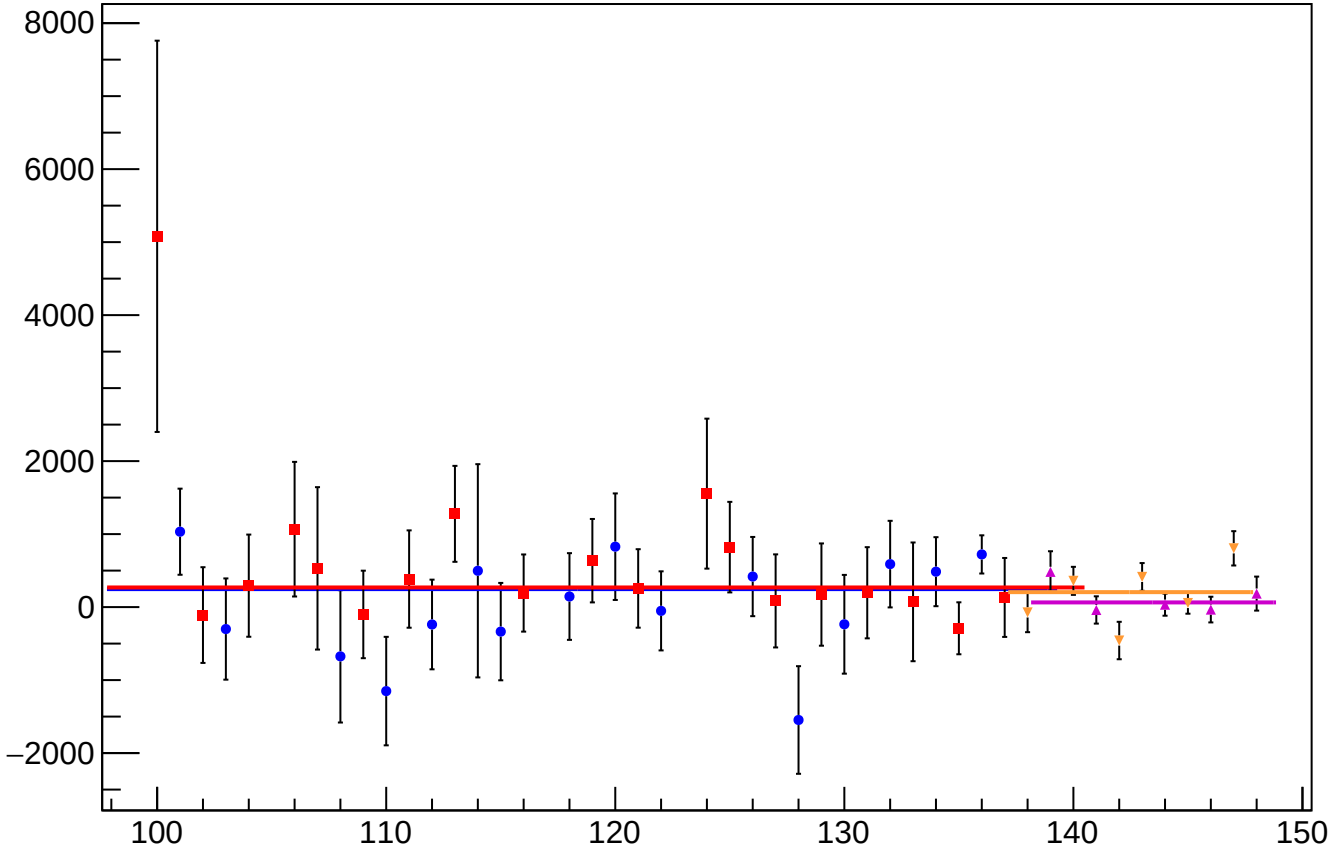
Left In: 26.436+/-0.009 χ^2/NDF:49557.0/4

+ sign 30.607+/-0.007 χ^2/NDF: 1193810.1/21

All: 30.705+/-0.005 χ^2/NDF: 2500565.4/45

- sign 30.805+/-0.007 χ^2/NDF: 1306303.1/23

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

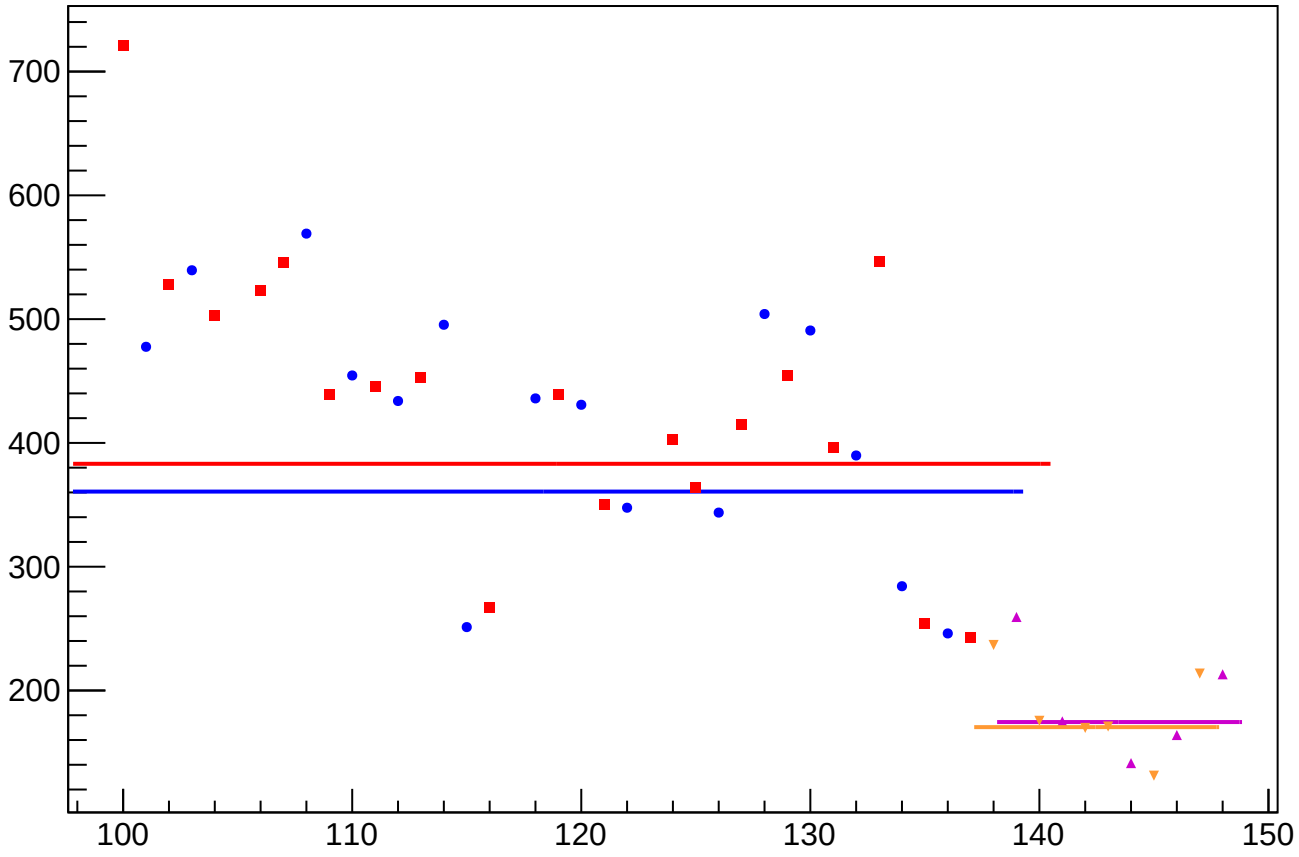
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 64.078+/-85.827 χ^2/NDF:3.1/4

+ sign 215.582+/-70.835 χ^2/NDF: 37.0/21

All: 168.407+/-51.136 χ^2/NDF: 55.1/45

- sign 117.064+/-73.897 χ^2/NDF: 17.2/23



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

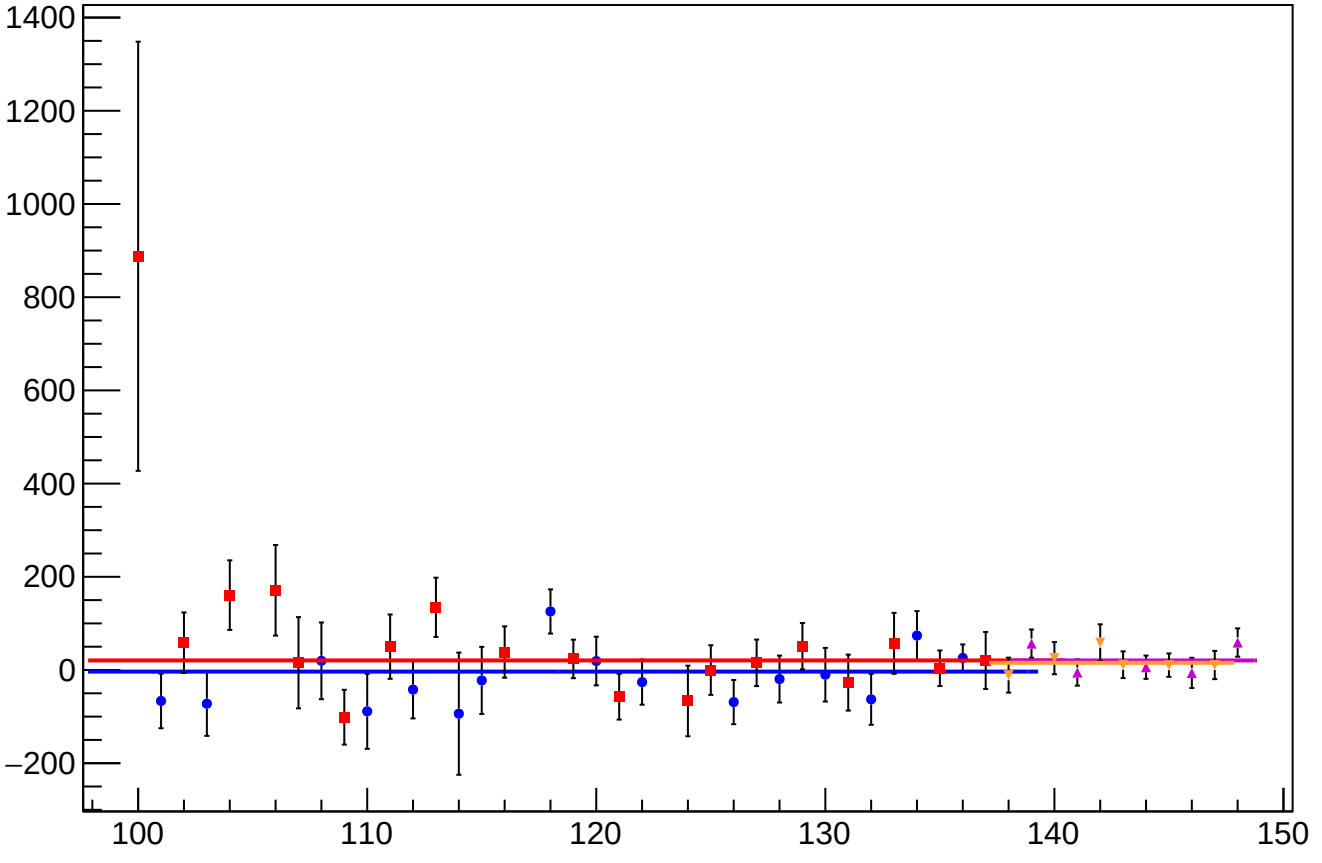
Left In: 174.514+/-0.061 χ^2/NDF:339239.2/4

+ sign 218.926+/-0.050 χ^2/NDF: 4167577.0/21

All: 223.500+/-0.036 χ^2/NDF: 8543946.4/45

- sign 228.478+/-0.052 χ^2/NDF: 4358953.4/23

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

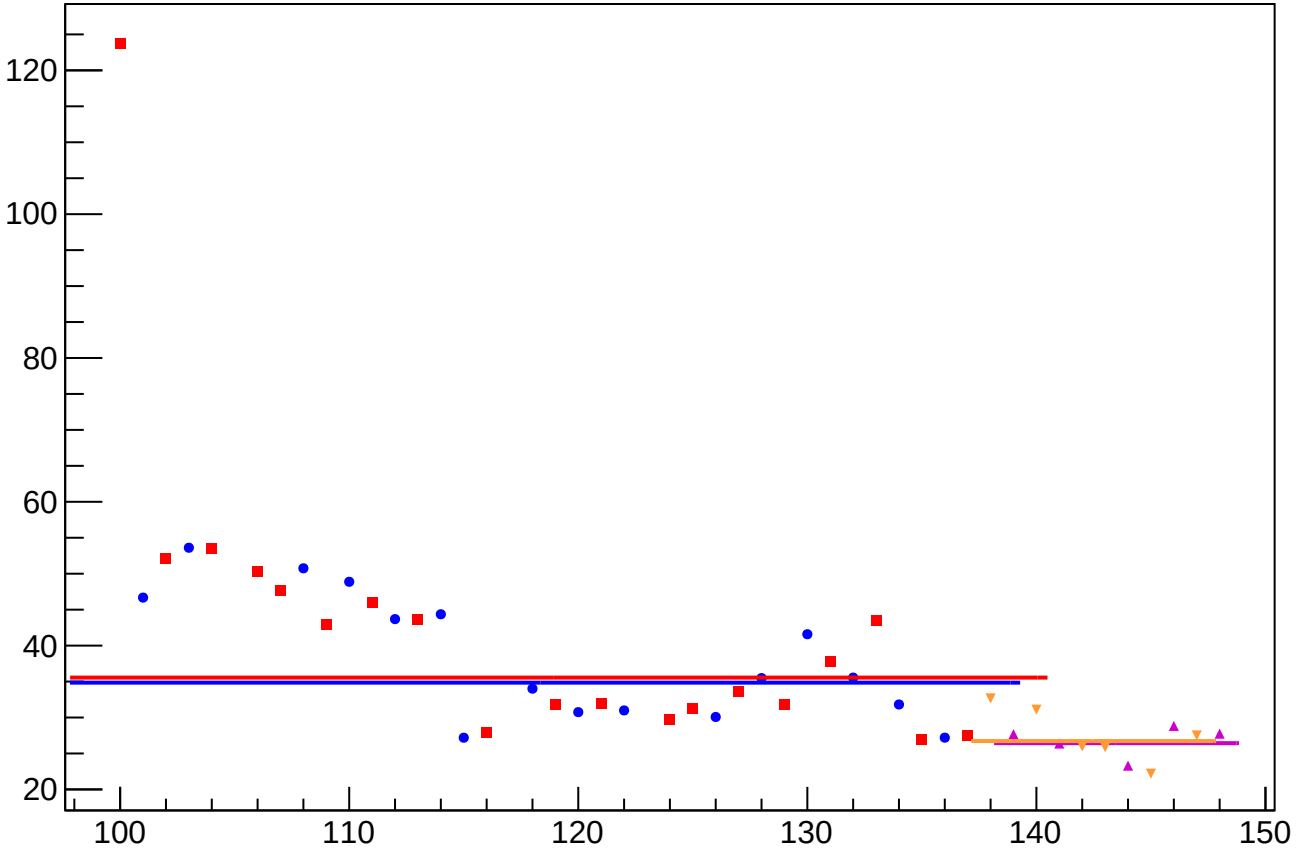
Left In: 20.470+/-12.925 χ^2/NDF:4.9/4

+ sign 6.426+/-9.256 χ^2/NDF: 21.4/21

All: 13.417+/-6.570 χ^2/NDF: 50.6/45

- sign 20.517+/-9.328 χ^2/NDF: 28.0/23

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

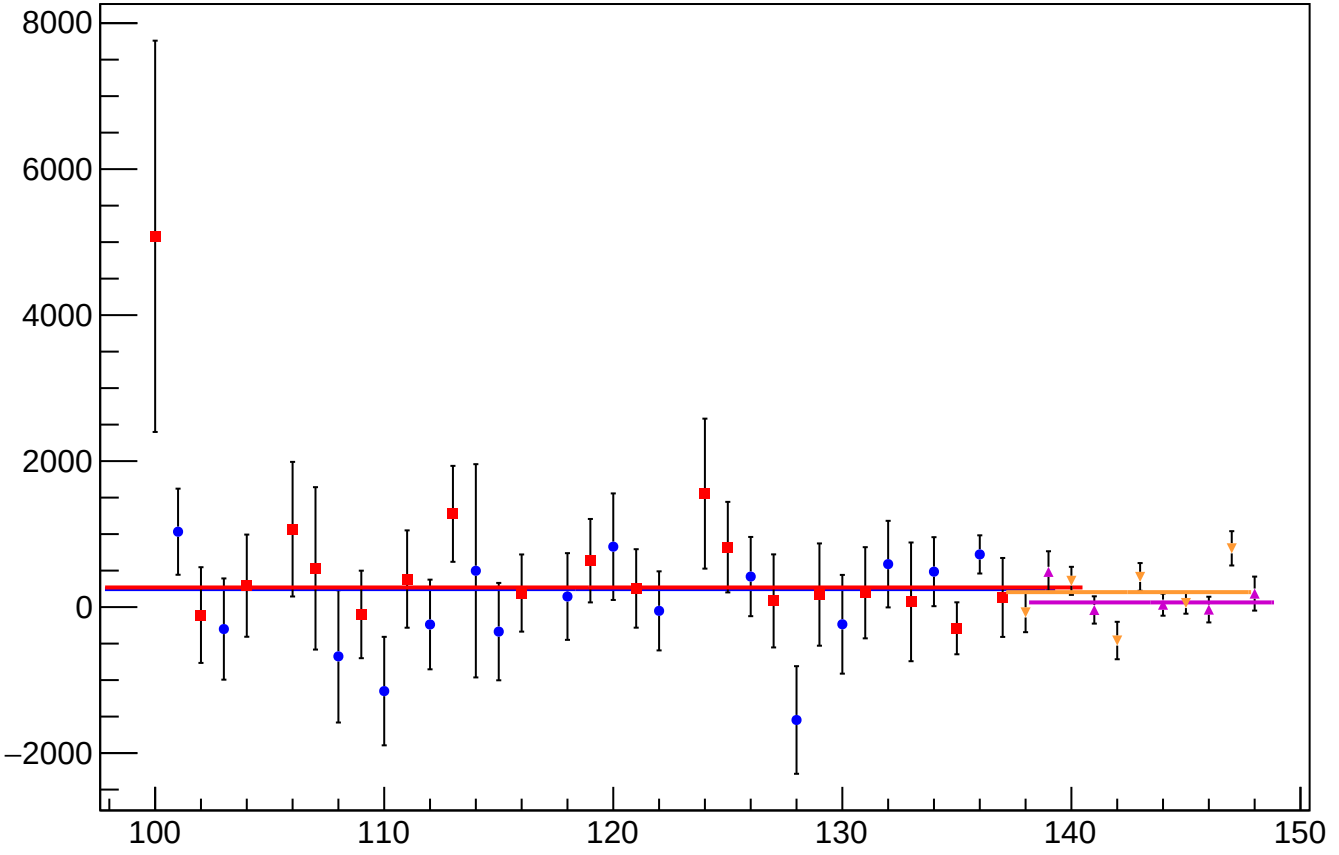
Left In: 26.435+/-0.009 χ^2/NDF:49552.7/4

+ sign 30.607+/-0.007 χ^2/NDF: 1193697.1/21

All: 30.705+/-0.005 χ^2/NDF: 2500385.4/45

- sign 30.804+/-0.007 χ^2/NDF: 1306236.2/23

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

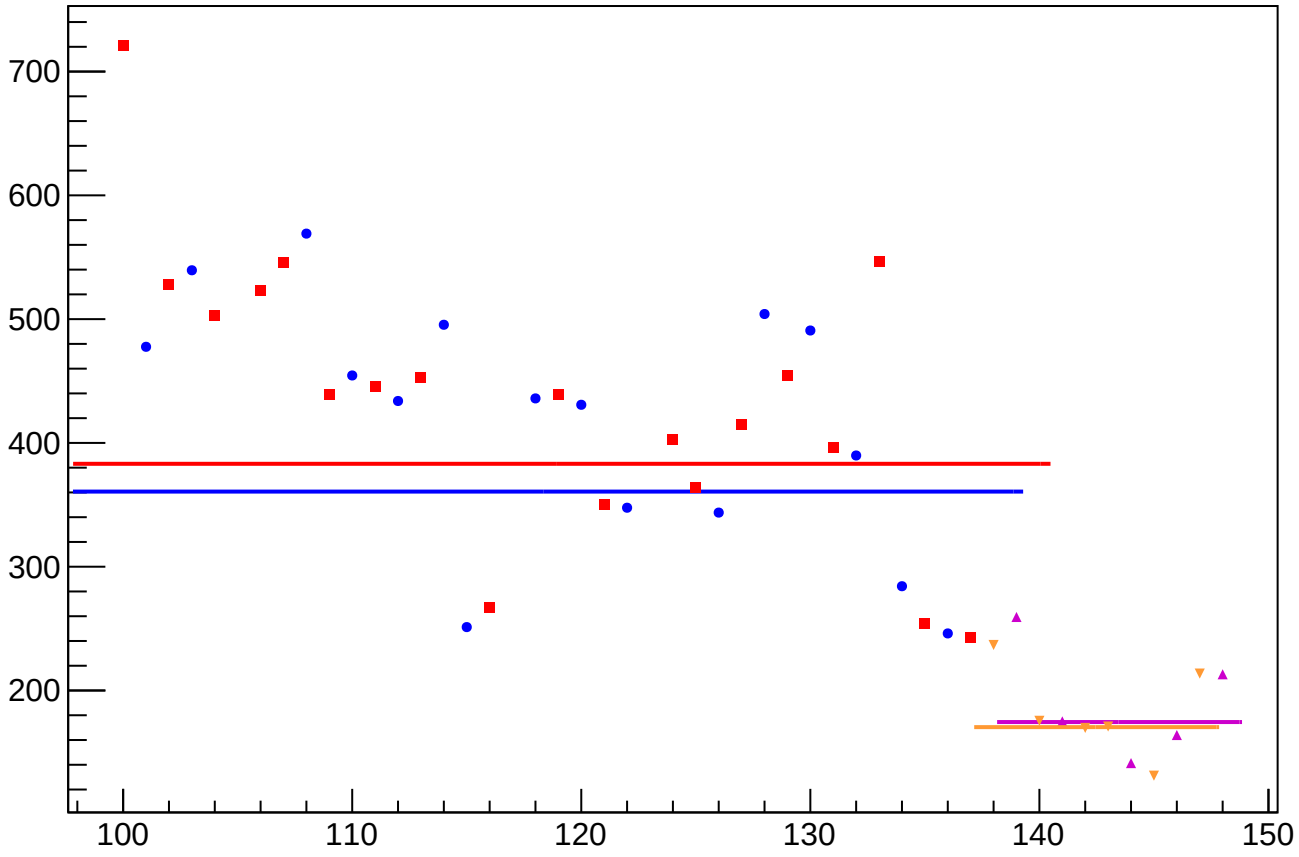
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 64.078+/-85.827 χ^2/NDF:3.1/4

+ sign 215.581+/-70.834 χ^2/NDF: 37.0/21

All: 168.406+/-51.136 χ^2/NDF: 55.1/45

- sign 117.064+/-73.897 χ^2/NDF: 17.2/23



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

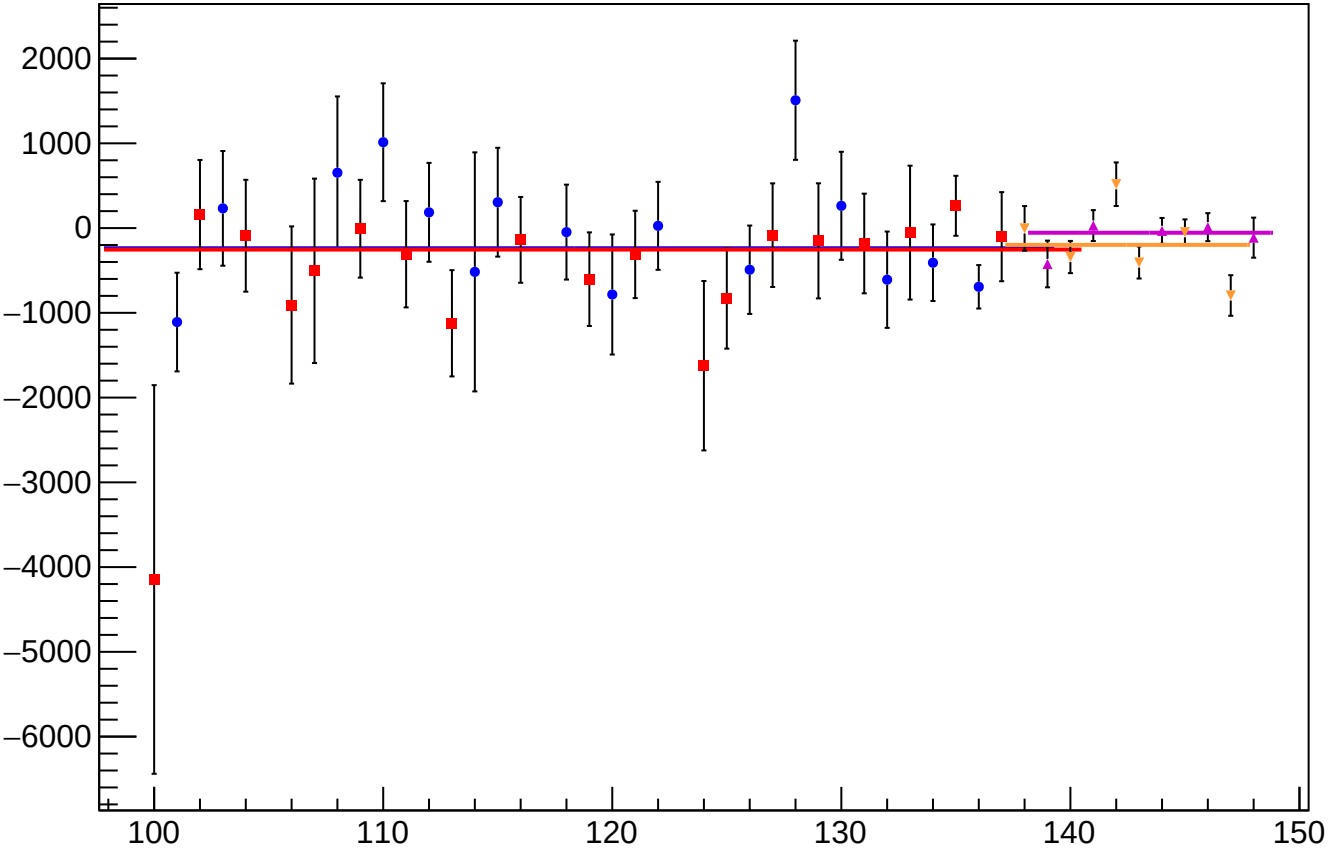
Left In: 174.514+/-0.061 χ^2/NDF:339236.5/4

+ sign 218.925+/-0.050 χ^2/NDF: 4167585.7/21

All: 223.499+/-0.036 χ^2/NDF: 8543951.5/45

- sign 228.478+/-0.052 χ^2/NDF: 4358948.5/23

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

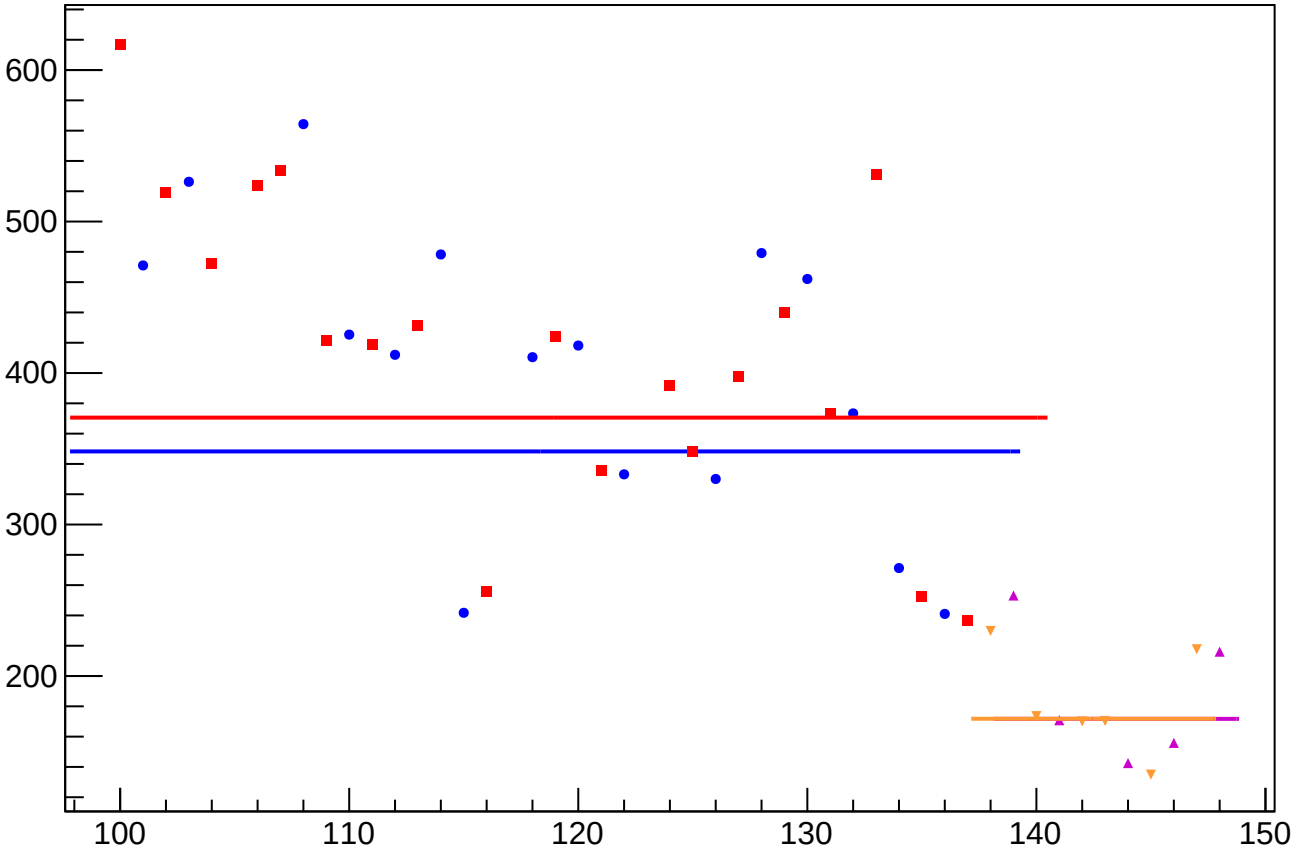
Left In: -54.857+/-84.275 χ^2/NDF:2.2/4

+ sign -208.907+/-70.562 χ^2/NDF: 37.3/21

All: -159.385+/-50.484 χ^2/NDF: 53.7/45

- sign -107.450+/-72.259 χ^2/NDF: 15.4/23

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

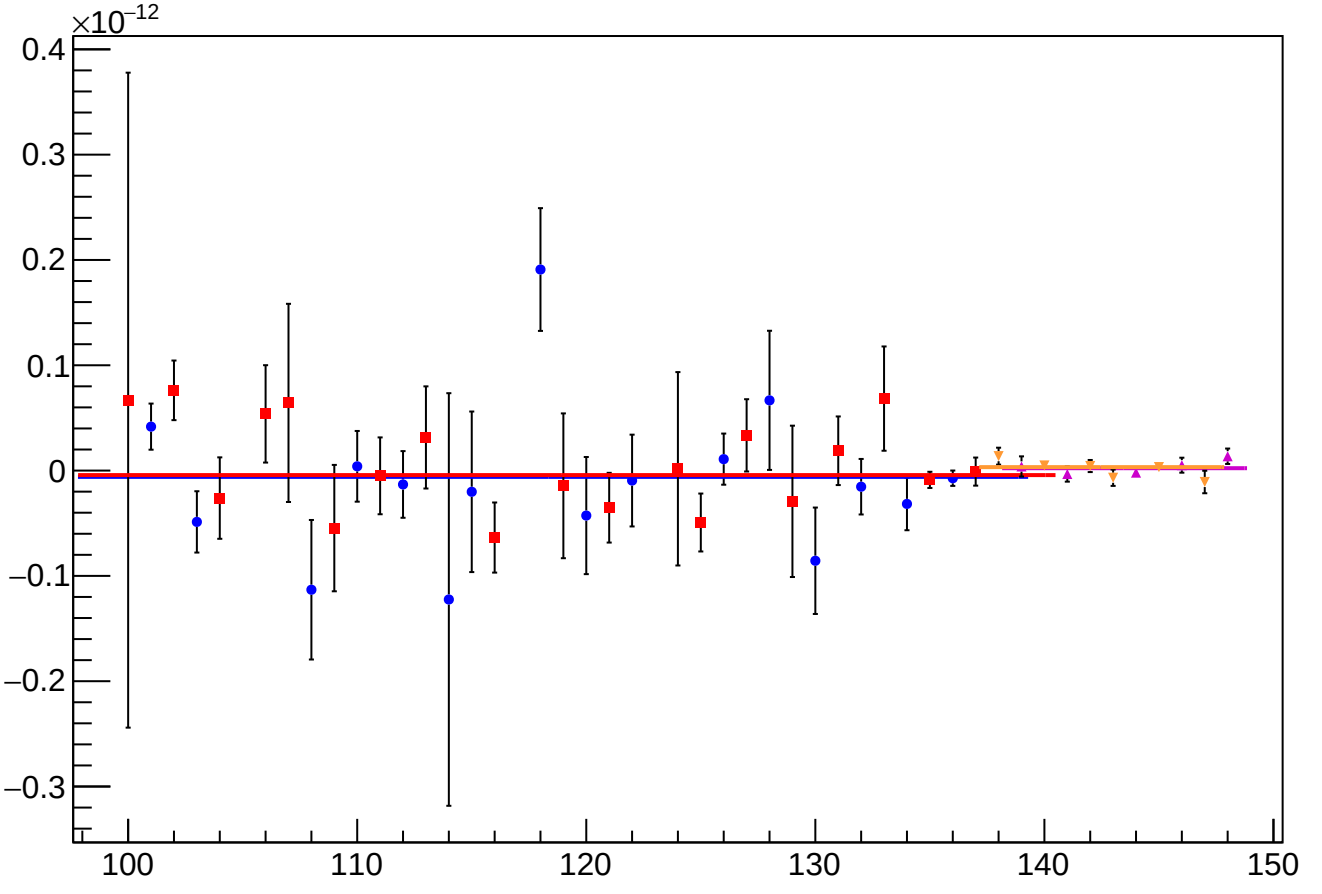
Left In: 171.728+/-0.060 χ^2/NDF:337023.2/4

+ sign 219.756+/-0.050 χ^2/NDF: 3821698.3/21

All: 222.019+/-0.036 χ^2/NDF: 8029888.4/45

- sign 224.391+/-0.051 χ^2/NDF: 4203977.8/23

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



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

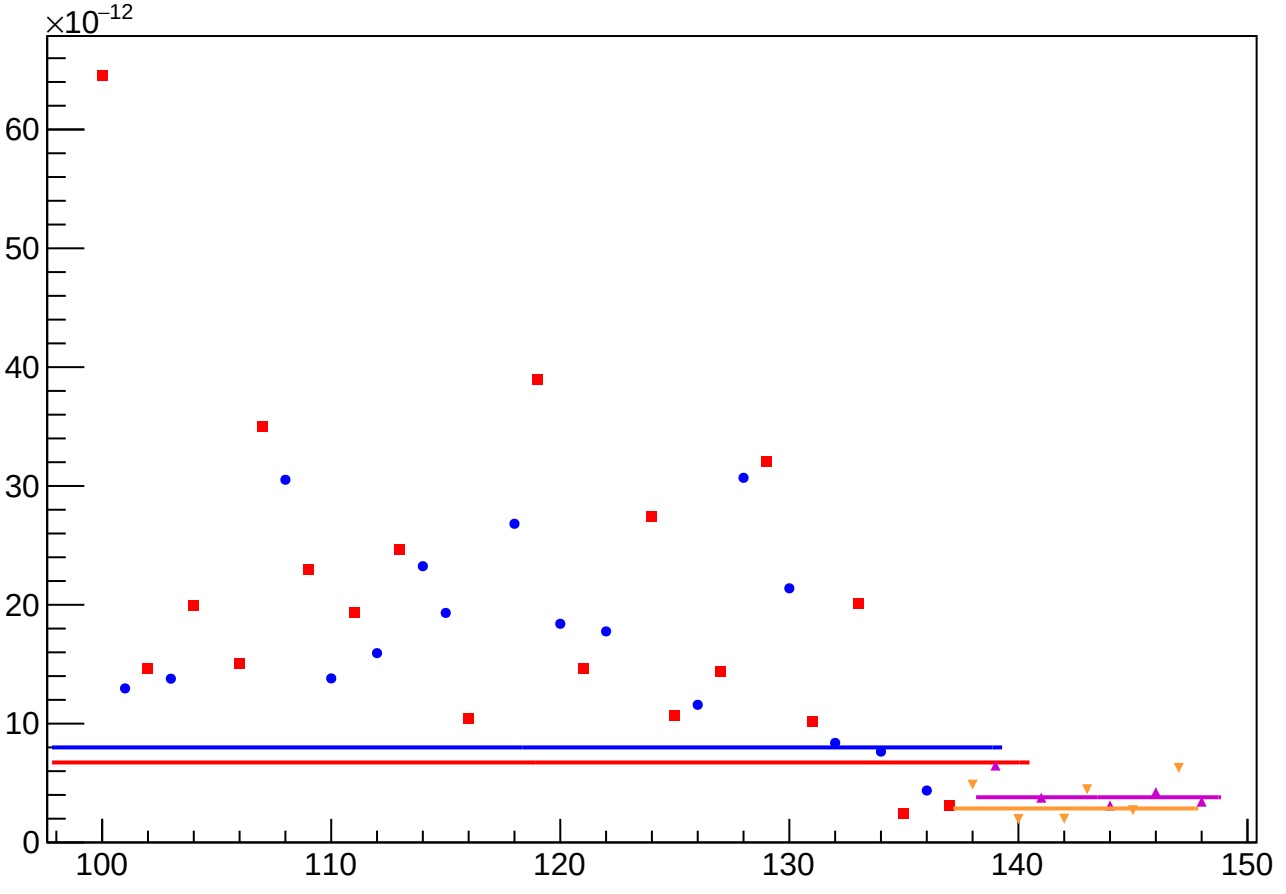
Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 34.9/21

All: 0.000+/-0.000 χ^2/NDF: 62.9/45

- sign 0.000+/-0.000 χ^2/NDF: 28.0/23

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:558976.2/5

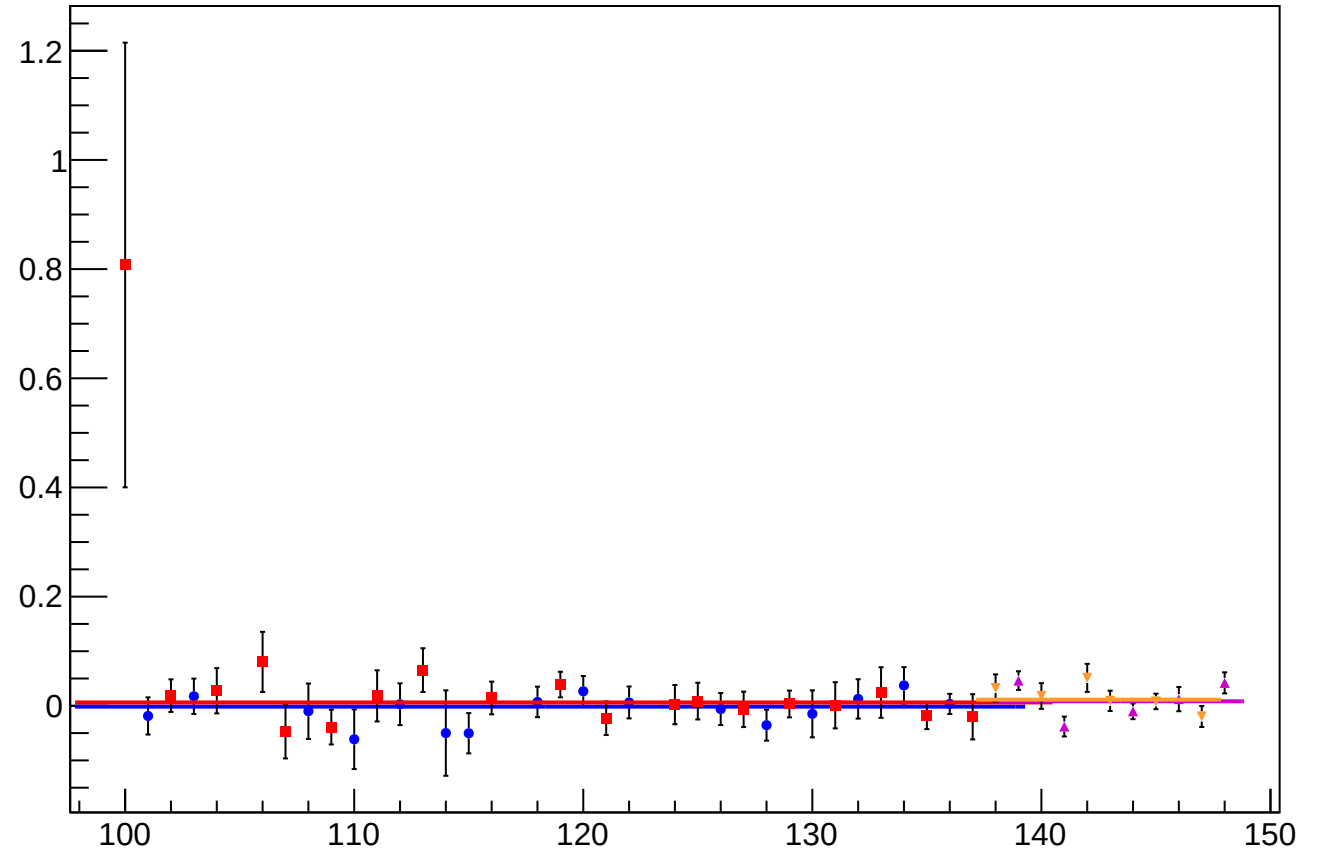
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:209550.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3900195.6/21

All: 0.000+/-0.000 χ^2/NDF: 8041665.5/45

- sign 0.000+/-0.000 χ^2/NDF: 4019404.3/23



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

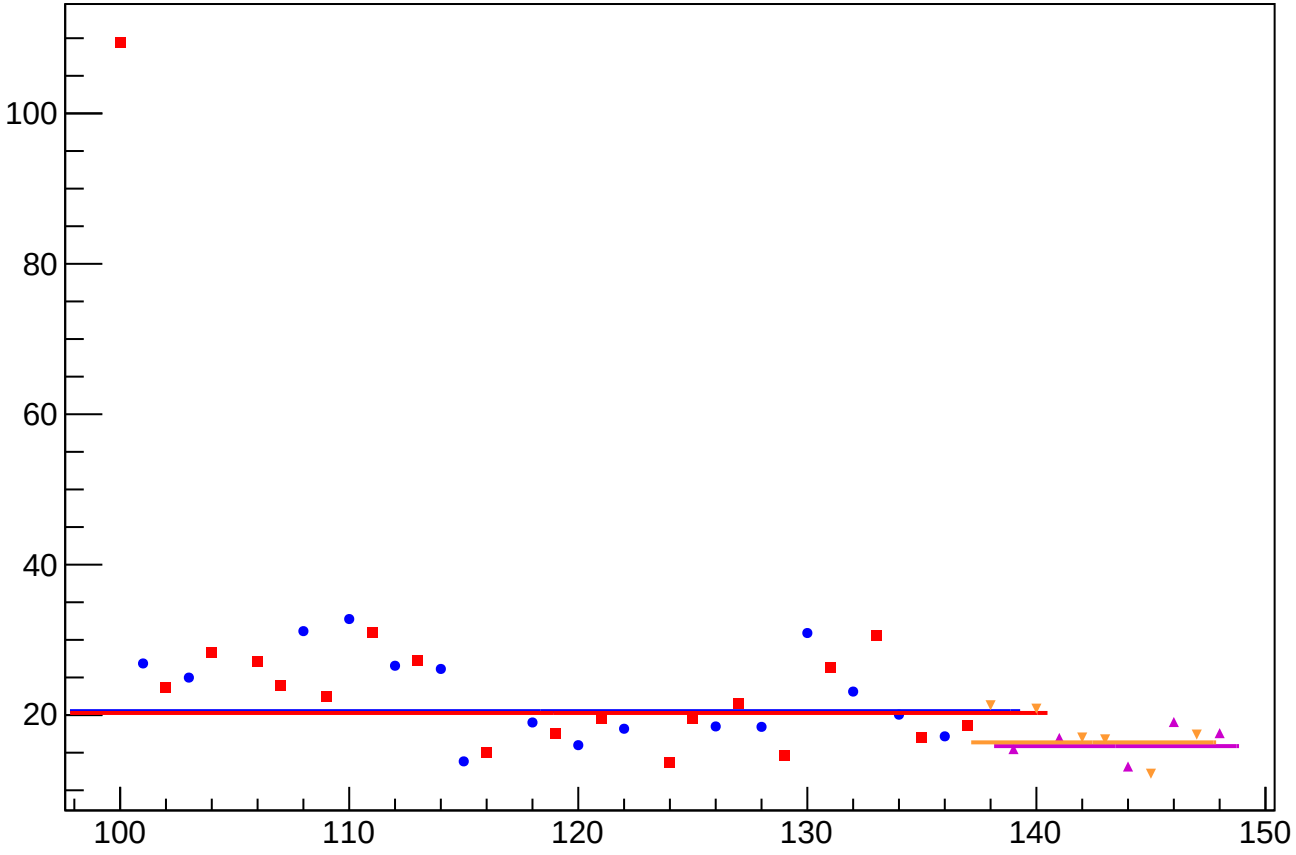
Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.006+/-0.004 χ^2/NDF: 47.8/45

- sign 0.007+/-0.006 χ^2/NDF: 32.3/23

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

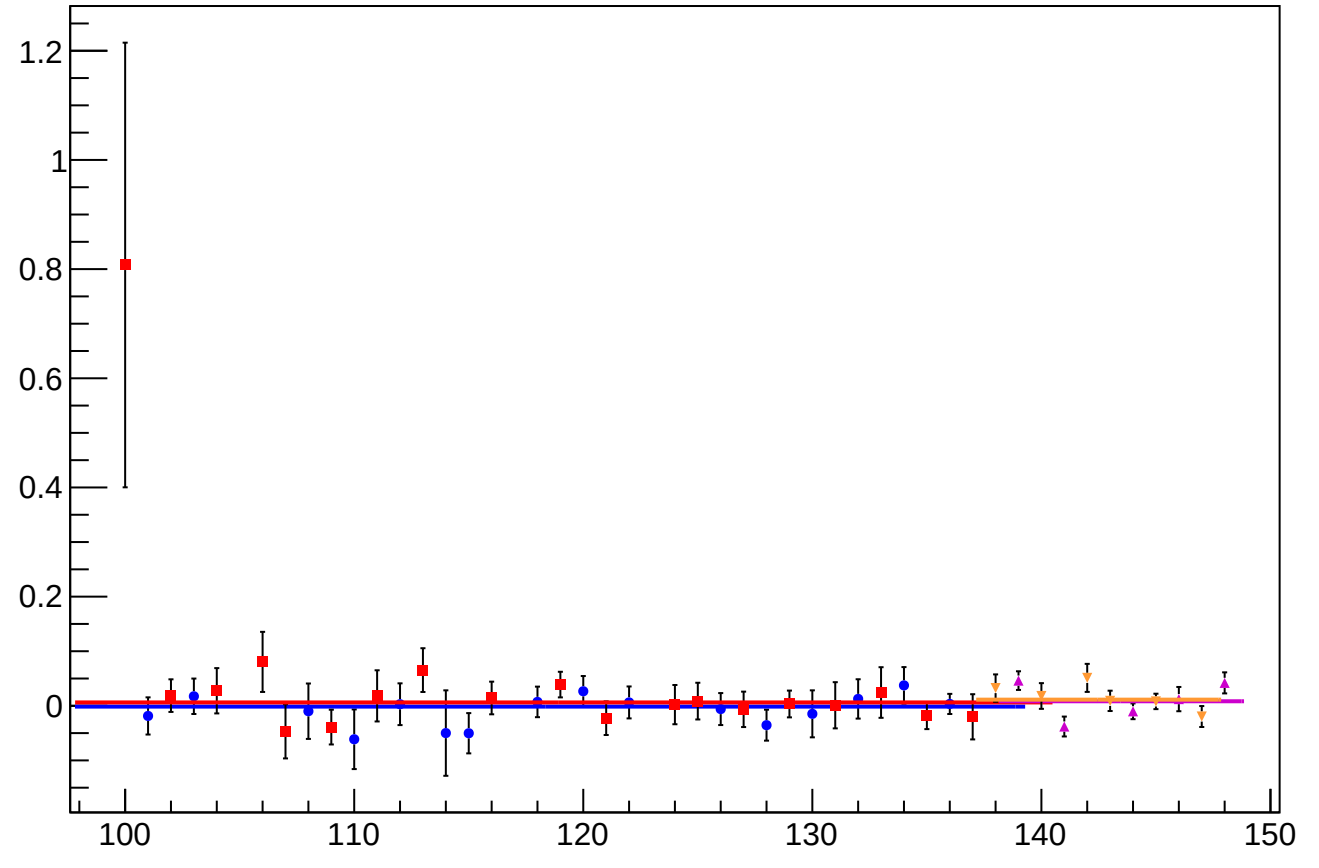
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

\+ sign 18.437+/-0.004 χ^2/NDF: 1304690.5/21

All: 18.259+/-0.003 χ^2/NDF: 2620874.3/45

\- sign 18.086+/-0.004 χ^2/NDF: 1312320.5/23



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

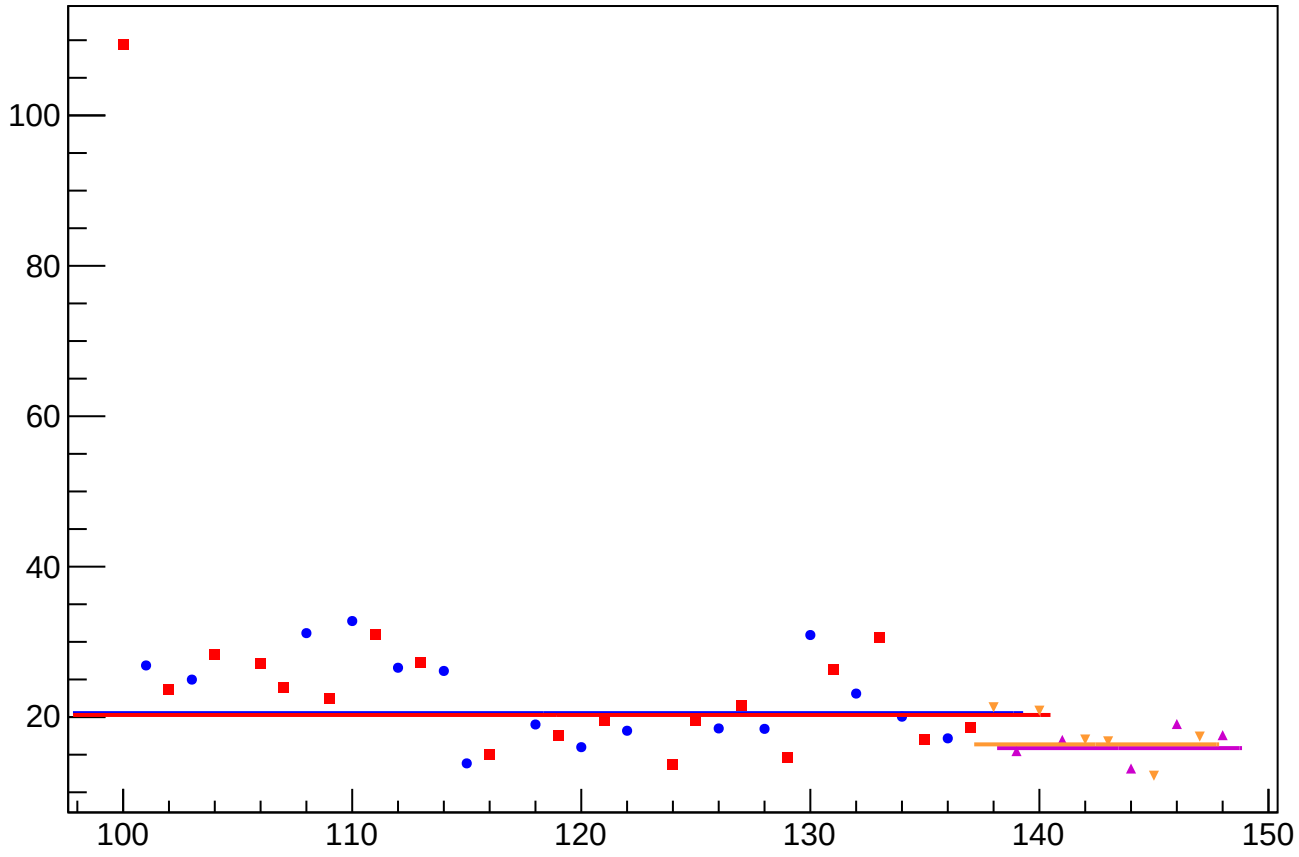
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.006+/-0.004 χ^2/NDF: 47.8/45

- sign 0.007+/-0.006 χ^2/NDF: 32.3/23



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.371+/-0.006 χ^2/NDF:332265.3/5

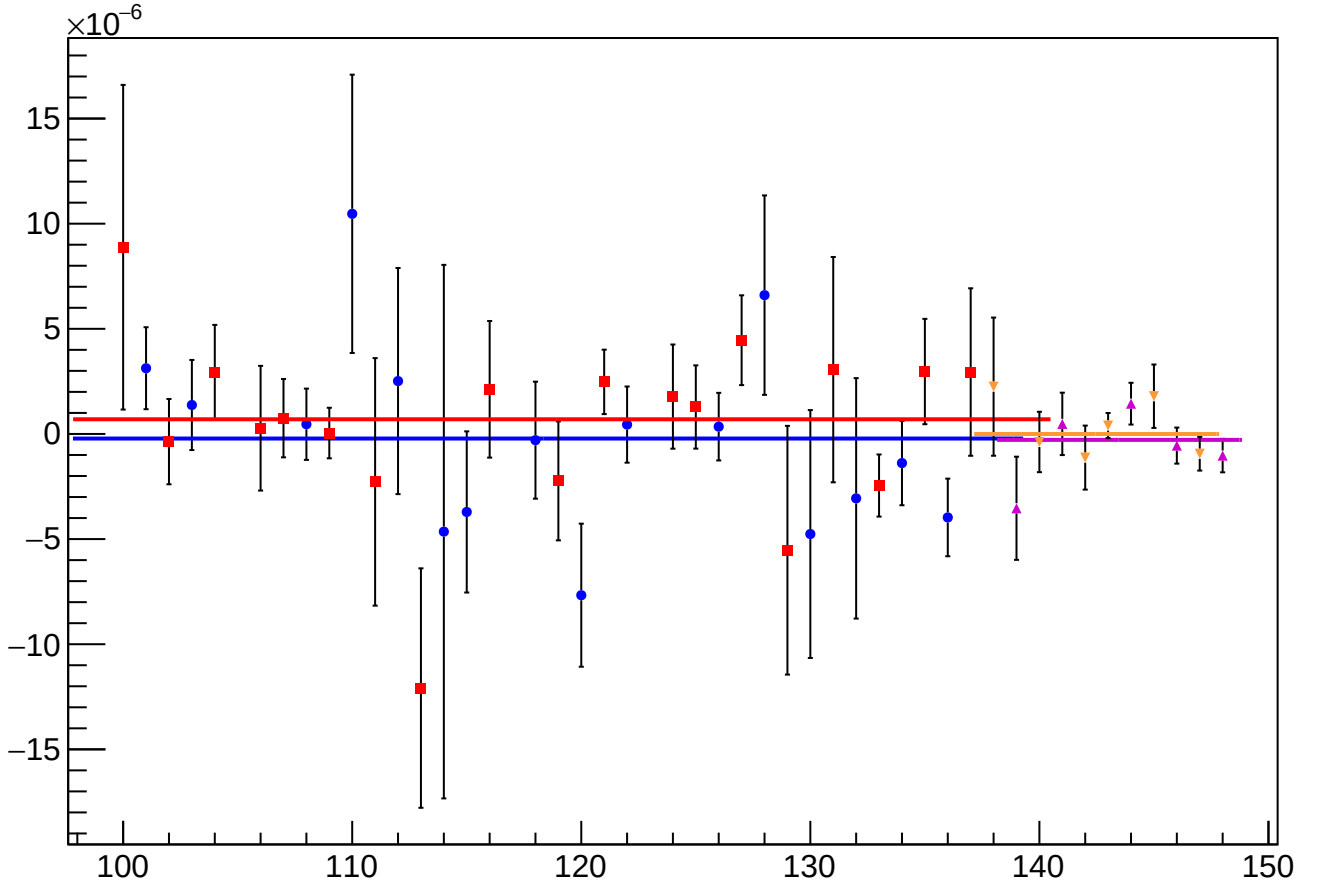
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

+ sign 18.437+/-0.004 χ^2/NDF: 1304690.5/21

All: 18.259+/-0.003 χ^2/NDF: 2620874.3/45

- sign 18.086+/-0.004 χ^2/NDF: 1312320.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/5

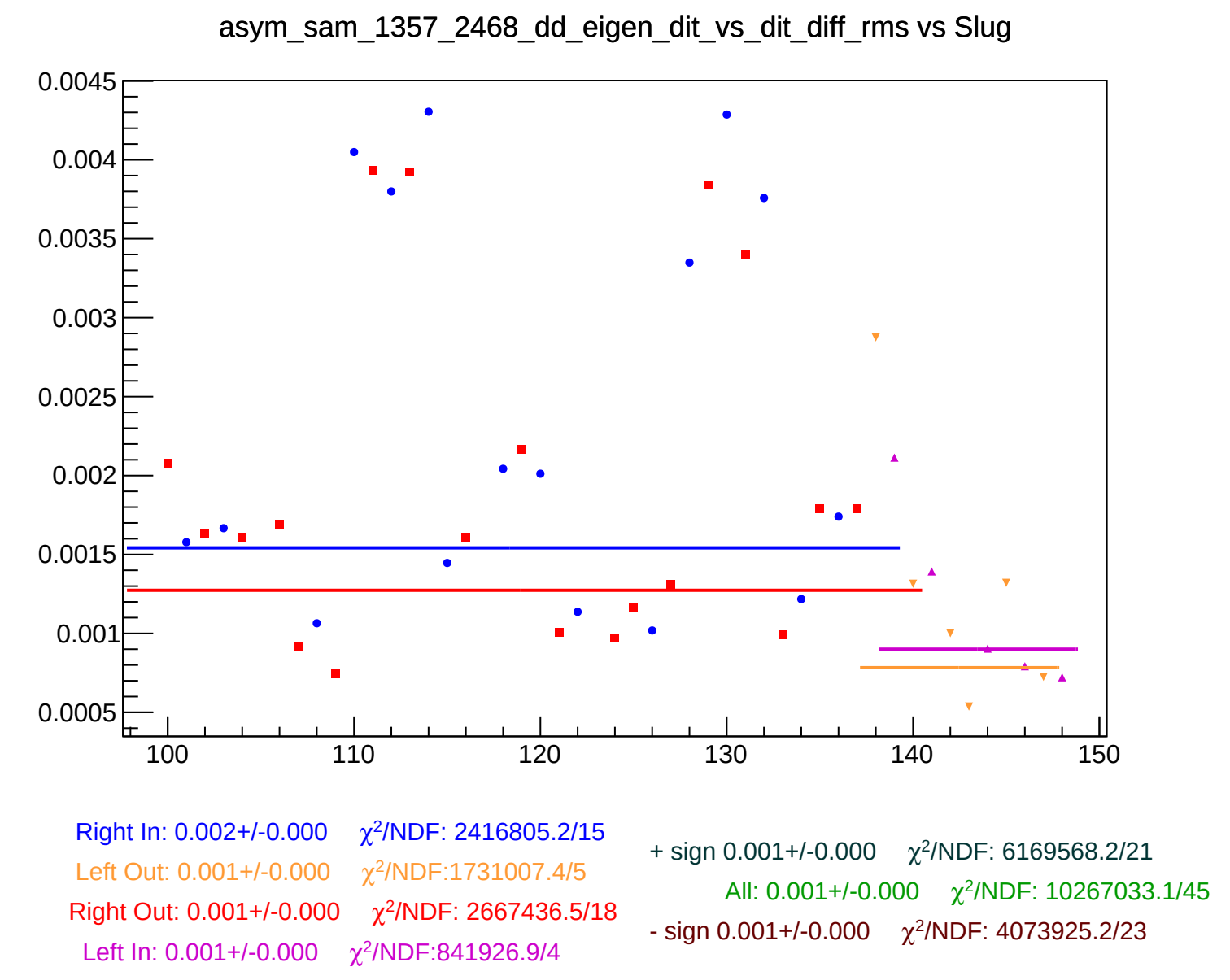
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/21

All: 0.000+/-0.000 χ^2/NDF: 53.5/45

- sign 0.000+/-0.000 χ^2/NDF: 29.0/23


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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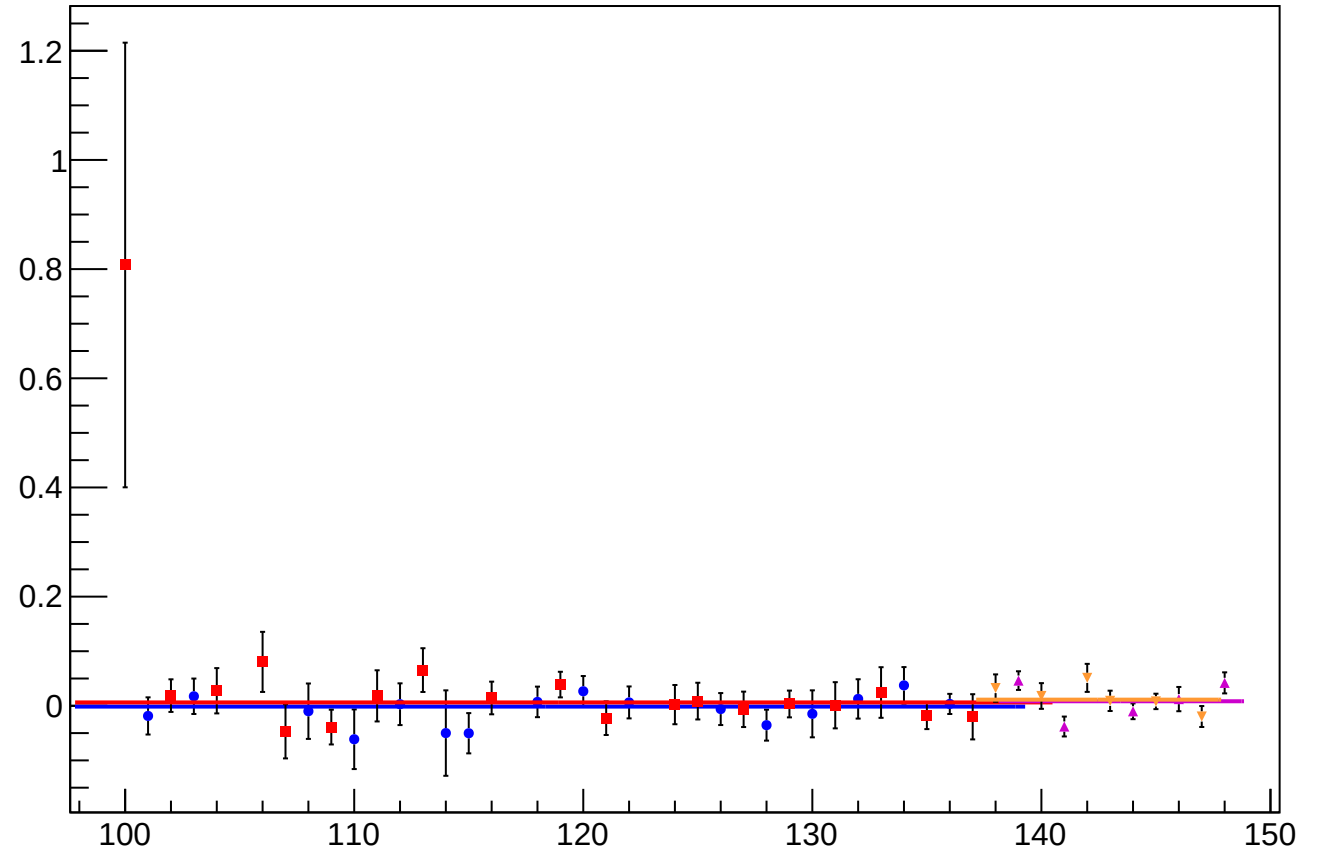
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1731007.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:841926.9/4
+ sign 0.001+/-0.000 χ²/NDF: 6169568.2/21
All: 0.001+/-0.000 χ²/NDF: 10267033.1/45
- sign 0.001+/-0.000 χ²/NDF: 4073925.2/23



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

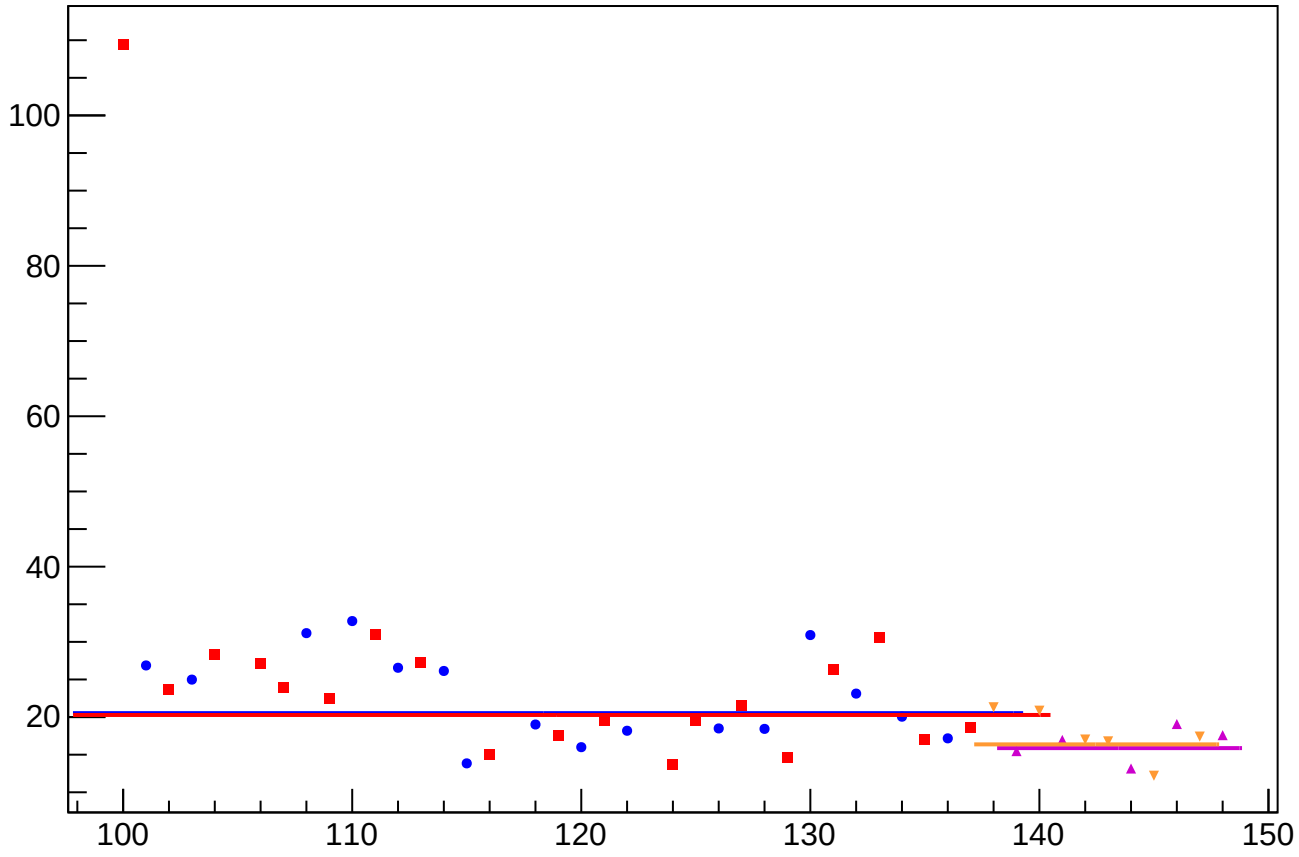
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.006+/-0.004 χ^2/NDF: 47.8/45

- sign 0.007+/-0.006 χ^2/NDF: 32.3/23



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.371+/-0.006 χ^2/NDF:332194.7/5

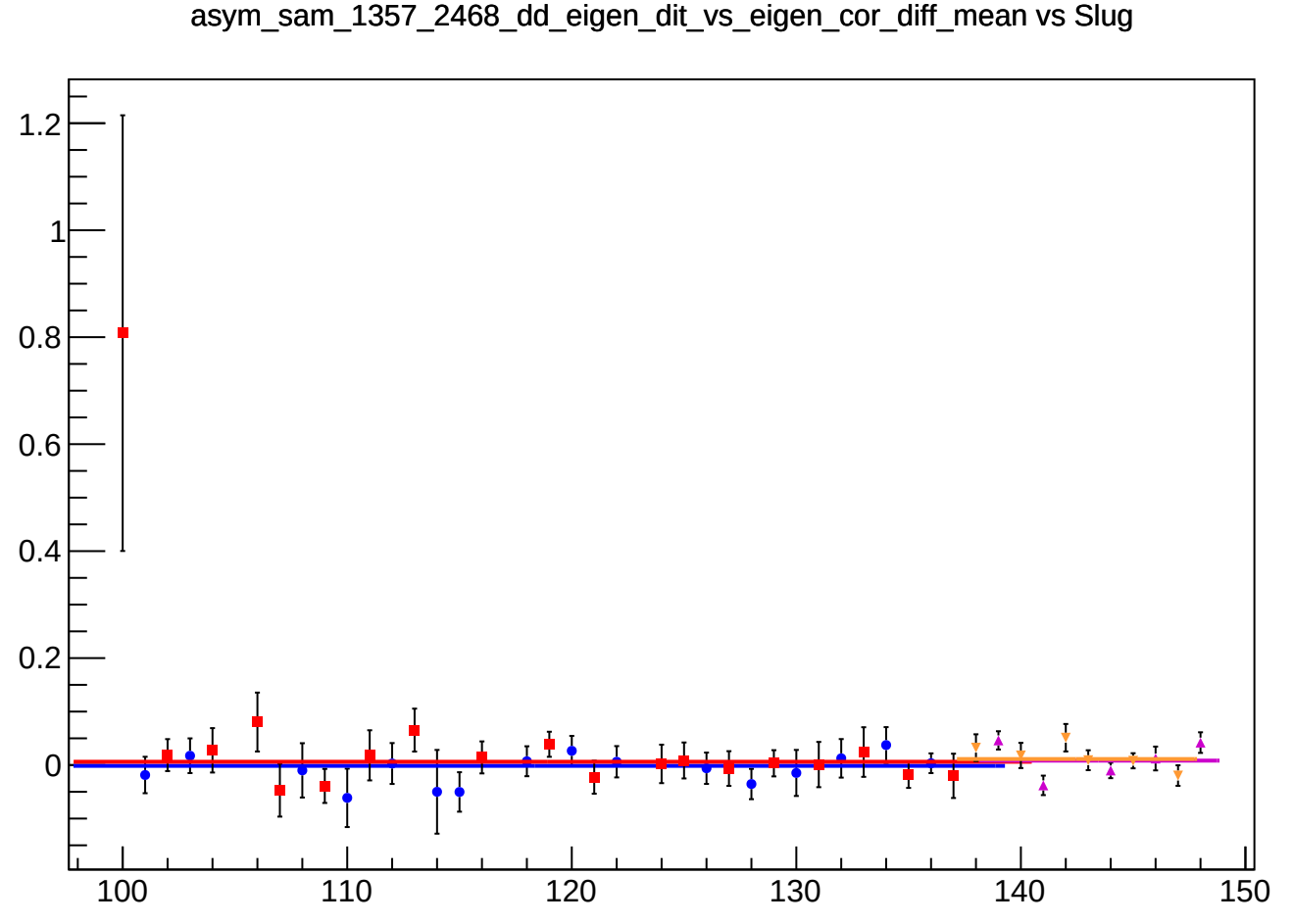
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

+ sign 18.437+/-0.004 χ^2/NDF: 1304407.2/21

All: 18.258+/-0.003 χ^2/NDF: 2620525.3/45

- sign 18.086+/-0.004 χ^2/NDF: 1312249.9/23



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

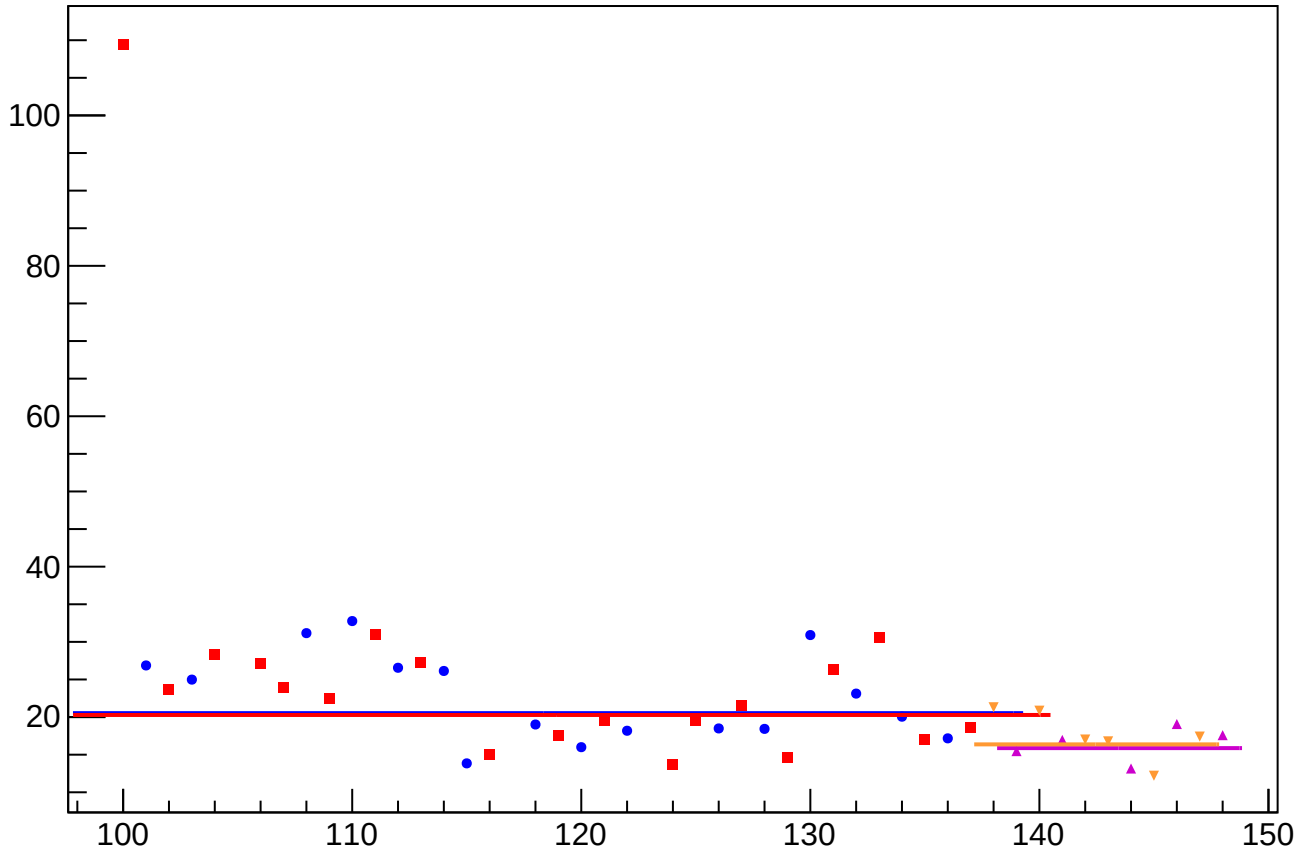
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.006 χ^2/NDF: 15.4/21

All: 0.006+/-0.004 χ^2/NDF: 47.8/45

- sign 0.007+/-0.006 χ^2/NDF: 32.3/23



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.371+/-0.006 χ^2/NDF:332194.7/5

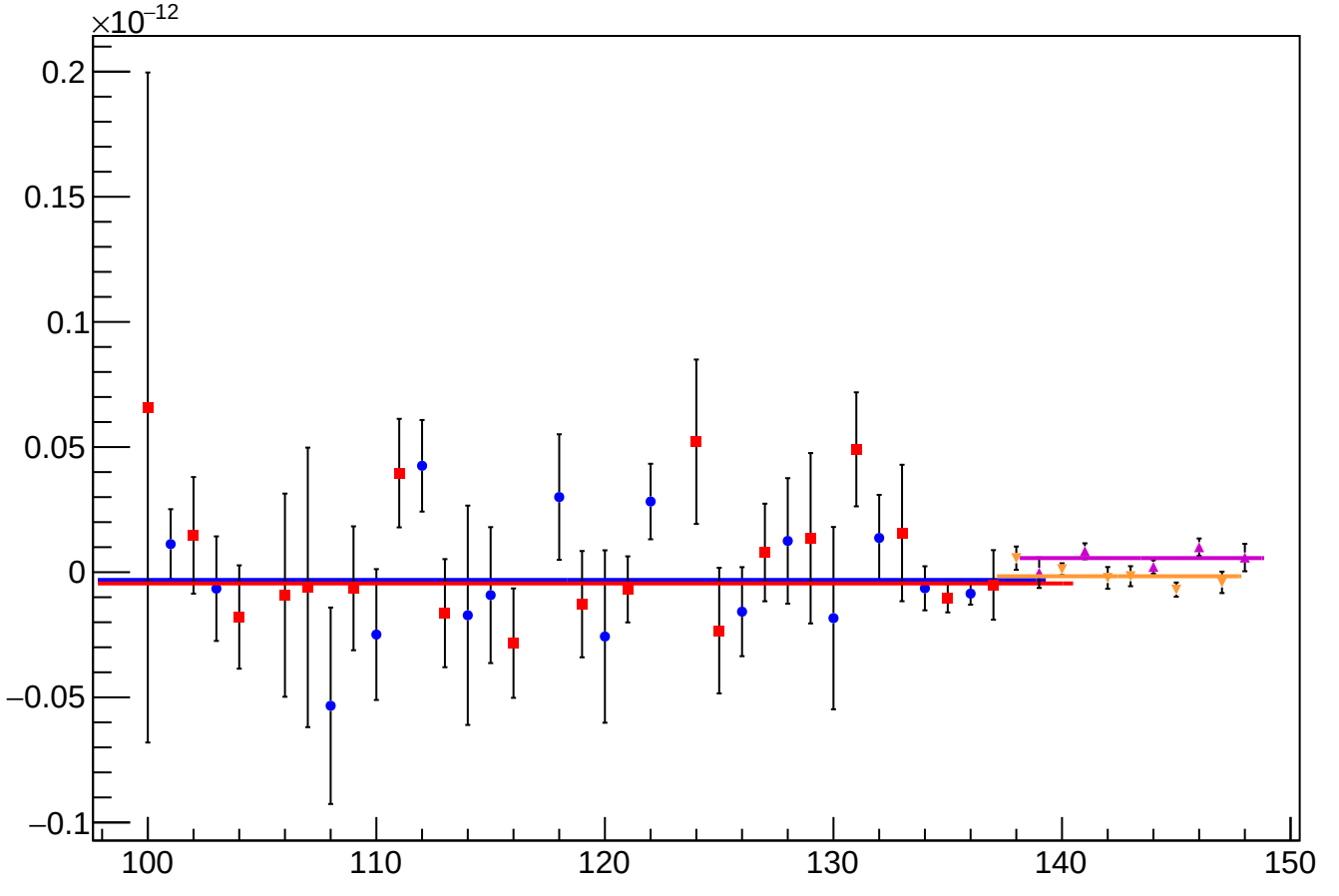
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

+ sign 18.437+/-0.004 χ^2/NDF: 1304407.2/21

All: 18.258+/-0.003 χ^2/NDF: 2620525.3/45

- sign 18.086+/-0.004 χ^2/NDF: 1312249.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/5

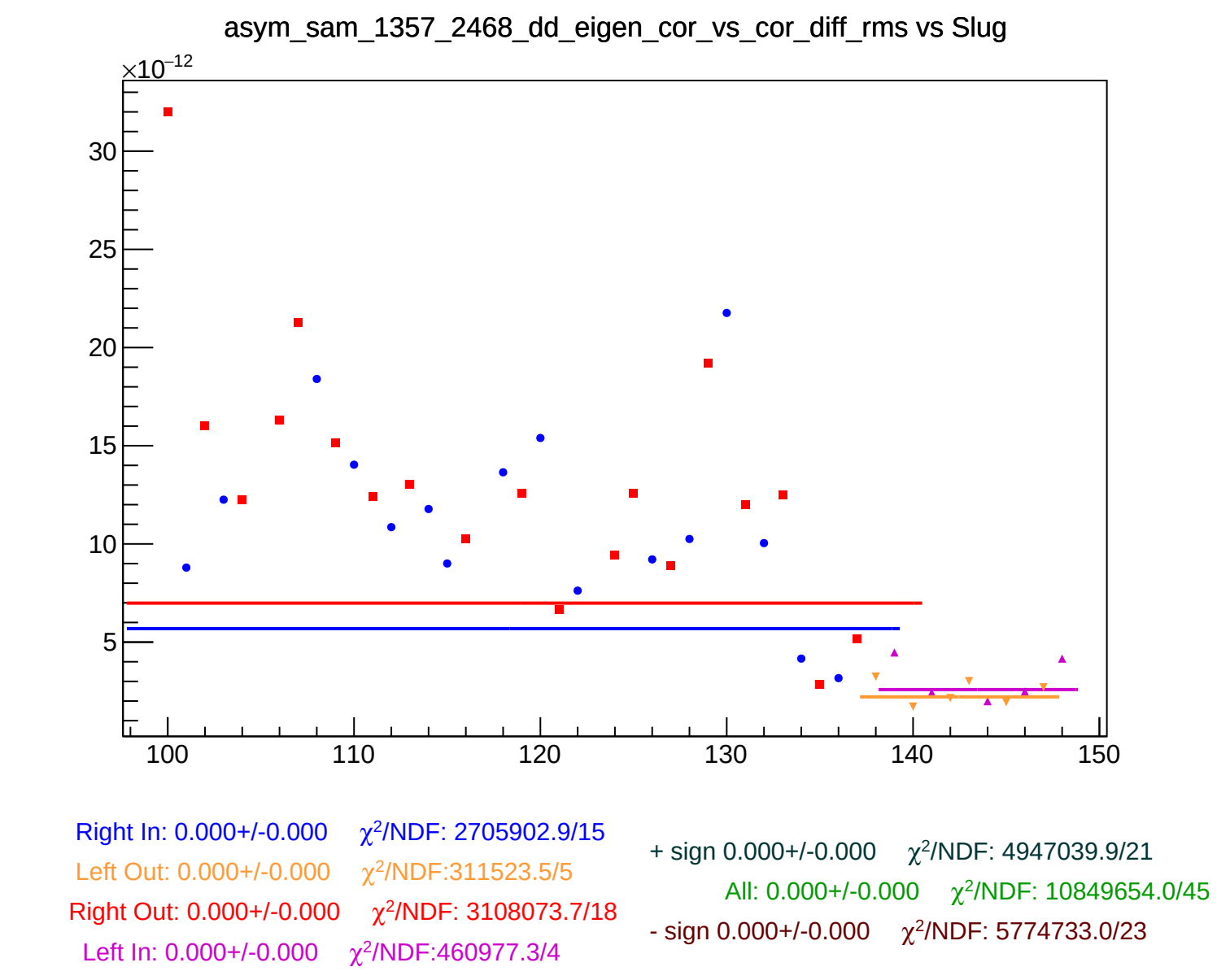
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

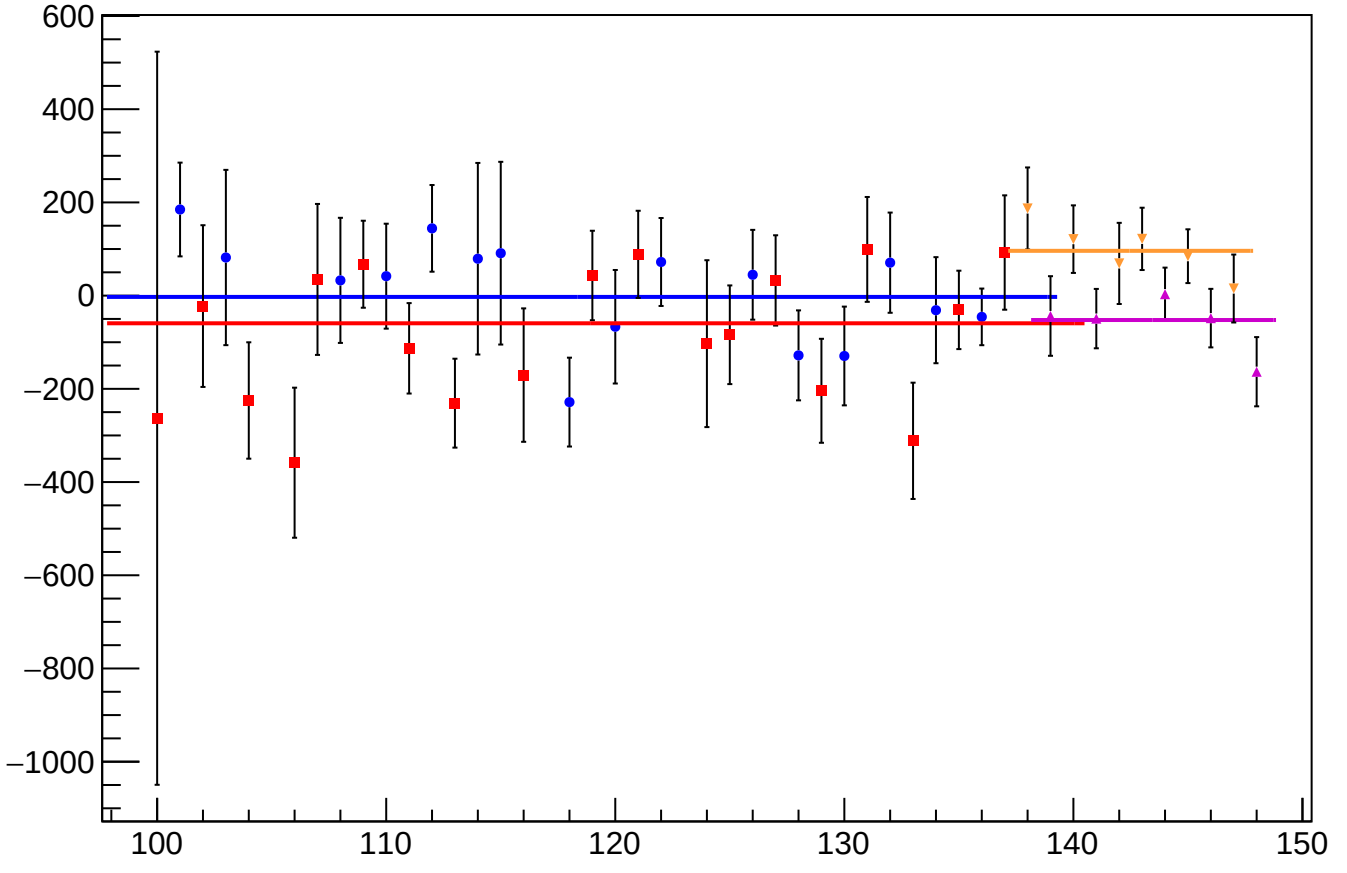
+ sign -0.000+/-0.000 χ^2/NDF: 27.9/21

All: 0.000+/-0.000 χ^2/NDF: 66.4/45

- sign 0.000+/-0.000 χ^2/NDF: 29.4/23


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:311523.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:460977.3/4
+ sign 0.000+/-0.000 χ²/NDF: 4947039.9/21
All: 0.000+/-0.000 χ²/NDF: 10849654.0/45
- sign 0.000+/-0.000 χ²/NDF: 5774733.0/23

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

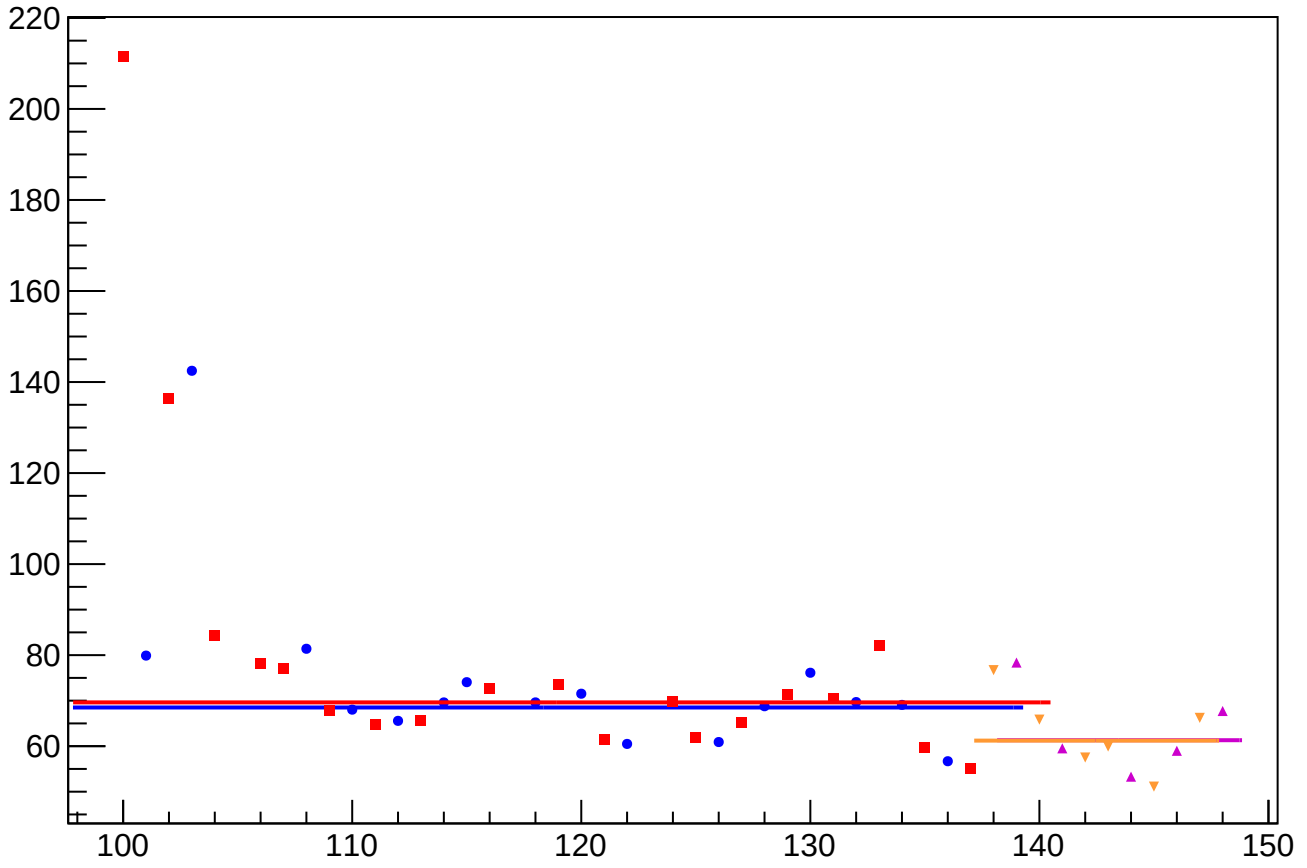
Left In: -52.339+/-29.786 χ^2/NDF:3.2/4

+ sign 41.173+/-19.540 χ^2/NDF: 26.7/21

All: -7.027+/-13.890 χ^2/NDF: 68.0/45

- sign -56.267+/-19.749 χ^2/NDF: 28.9/23

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

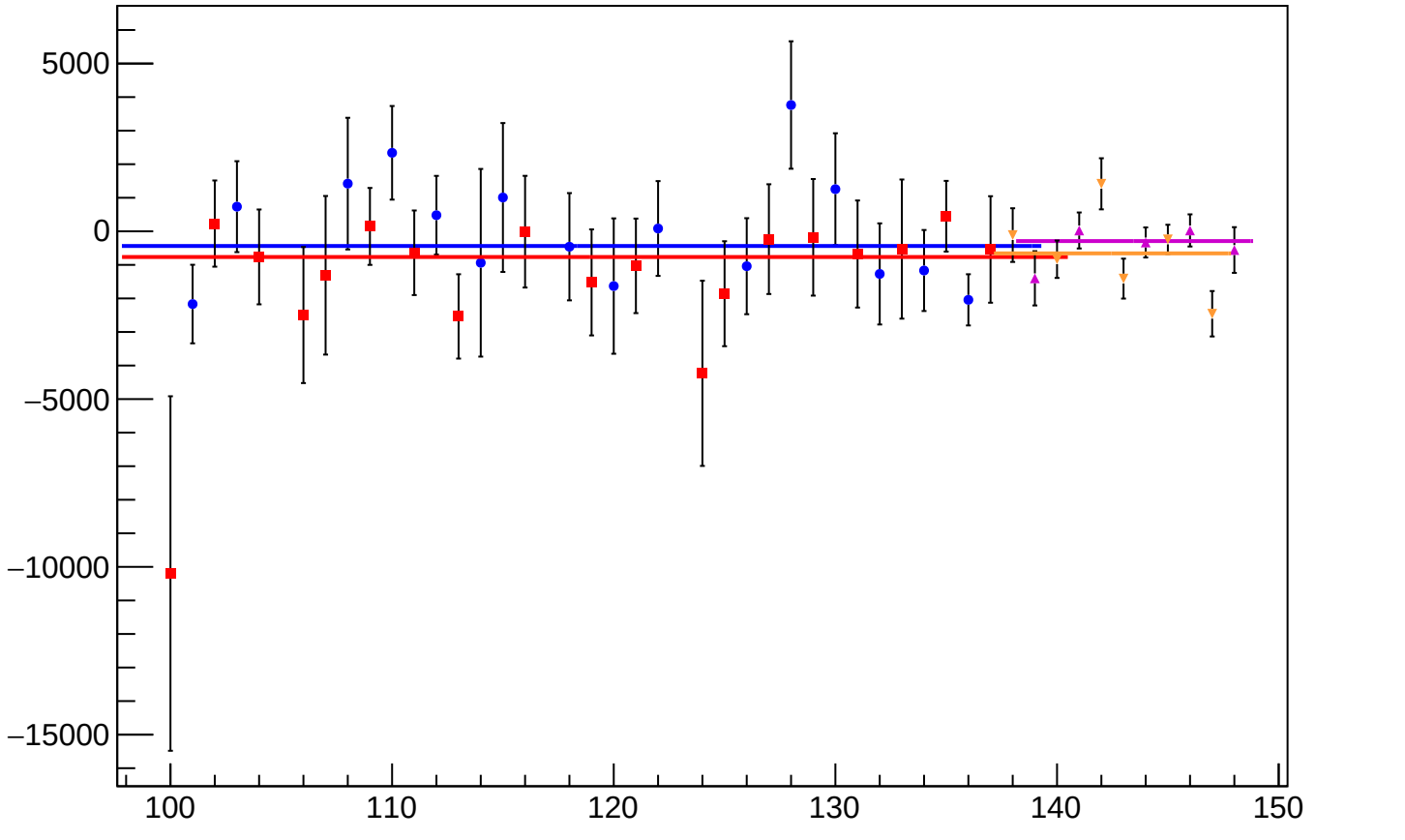
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 65.265+/-0.014 χ^2/NDF: 685514.8/21

All: 65.612+/-0.010 χ^2/NDF: 1433050.8/45

- sign 65.967+/-0.014 χ^2/NDF: 746260.9/23



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -657.439+/-244.168 χ^2/NDF:17.6/5

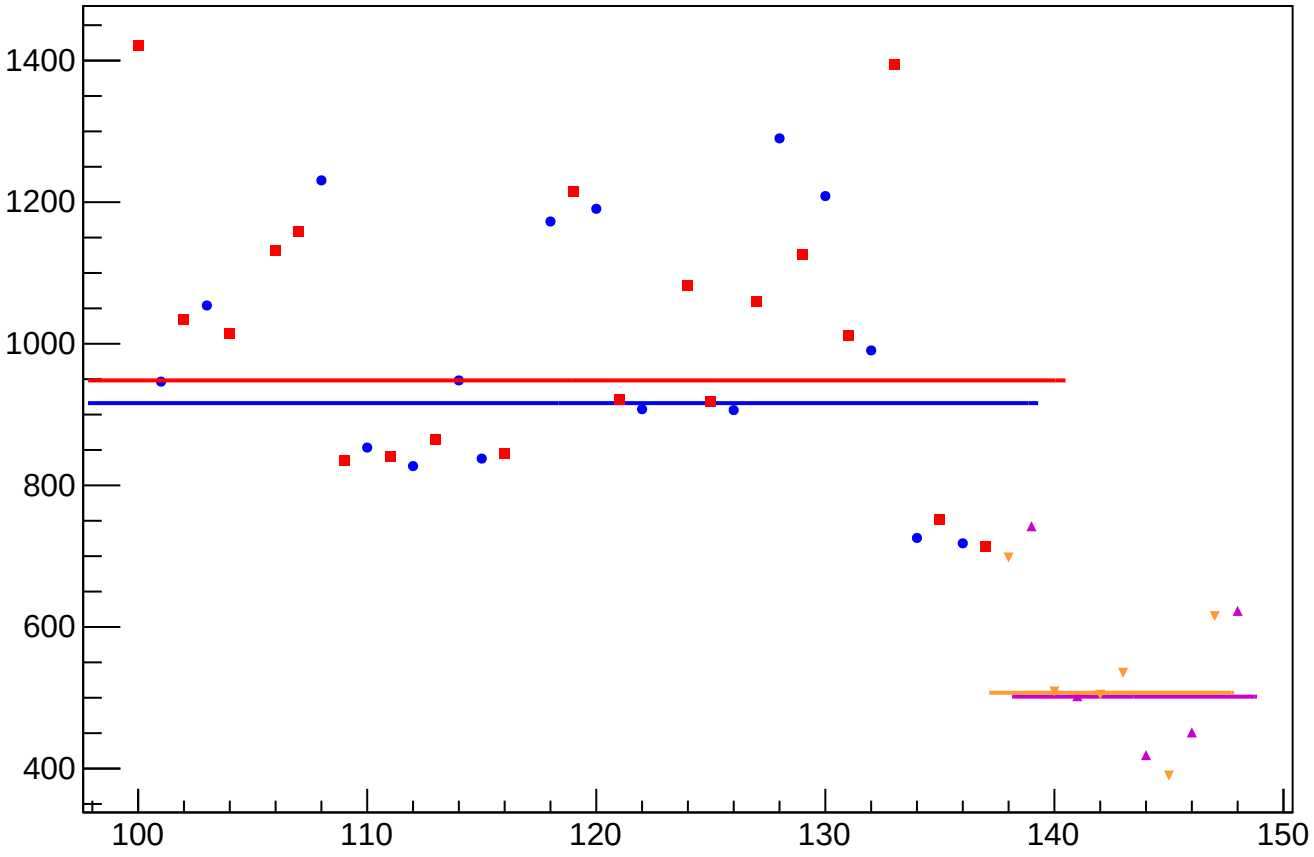
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -290.431+/-246.170 χ^2/NDF:2.8/4

+ sign -585.111+/-200.043 χ^2/NDF: 38.4/21

All: -516.104+/-142.114 χ^2/NDF: 54.0/45

- sign -445.789+/-201.930 χ^2/NDF: 15.4/23



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 507.056+/-0.173 χ^2/NDF:313405.6/5

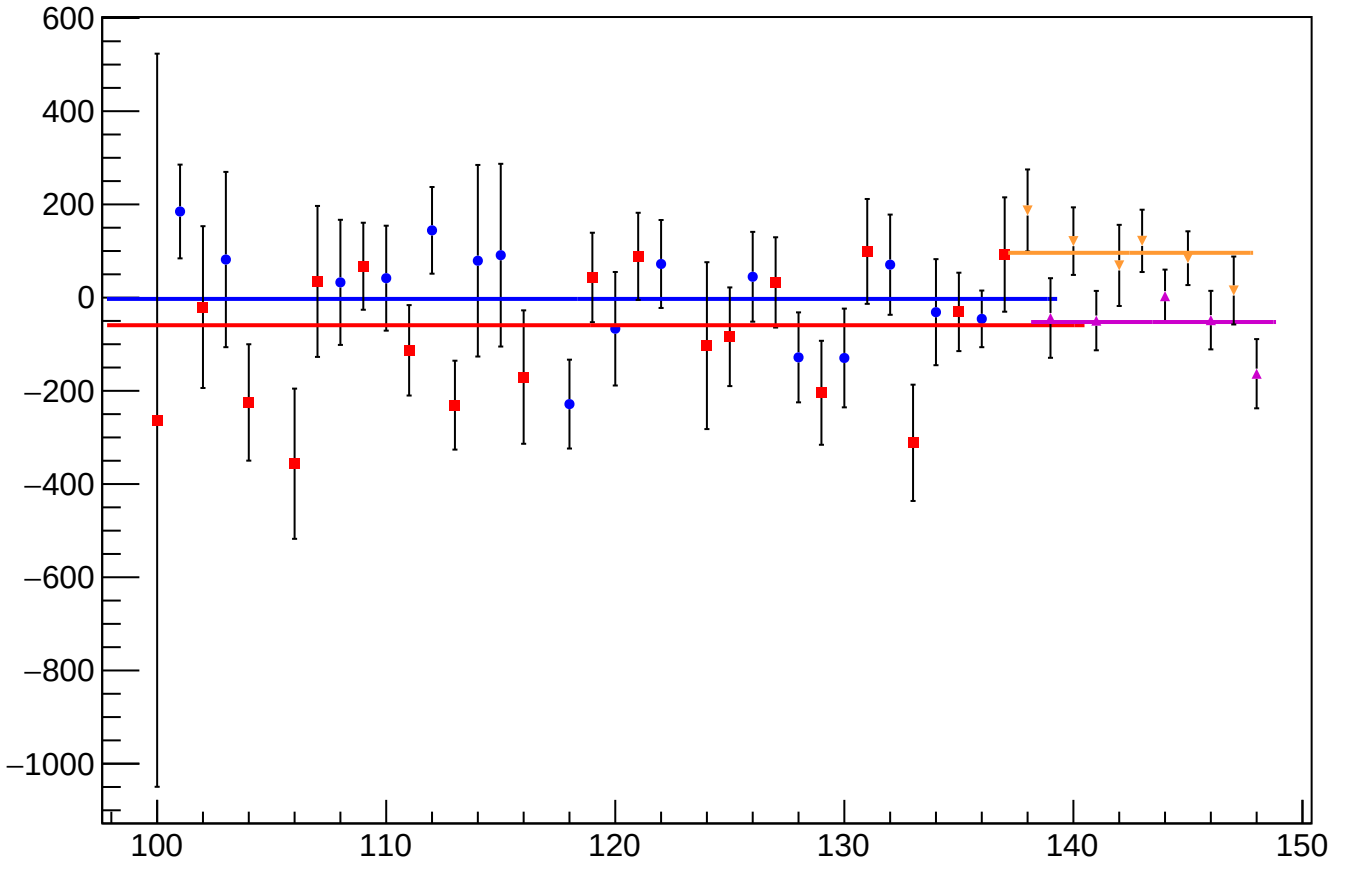
Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330544.9/4

+ sign 641.562+/-0.141 χ^2/NDF: 2668556.0/21

All: 644.602+/-0.100 χ^2/NDF: 5569068.3/45

- sign 647.700+/-0.143 χ^2/NDF: 2899579.7/23



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

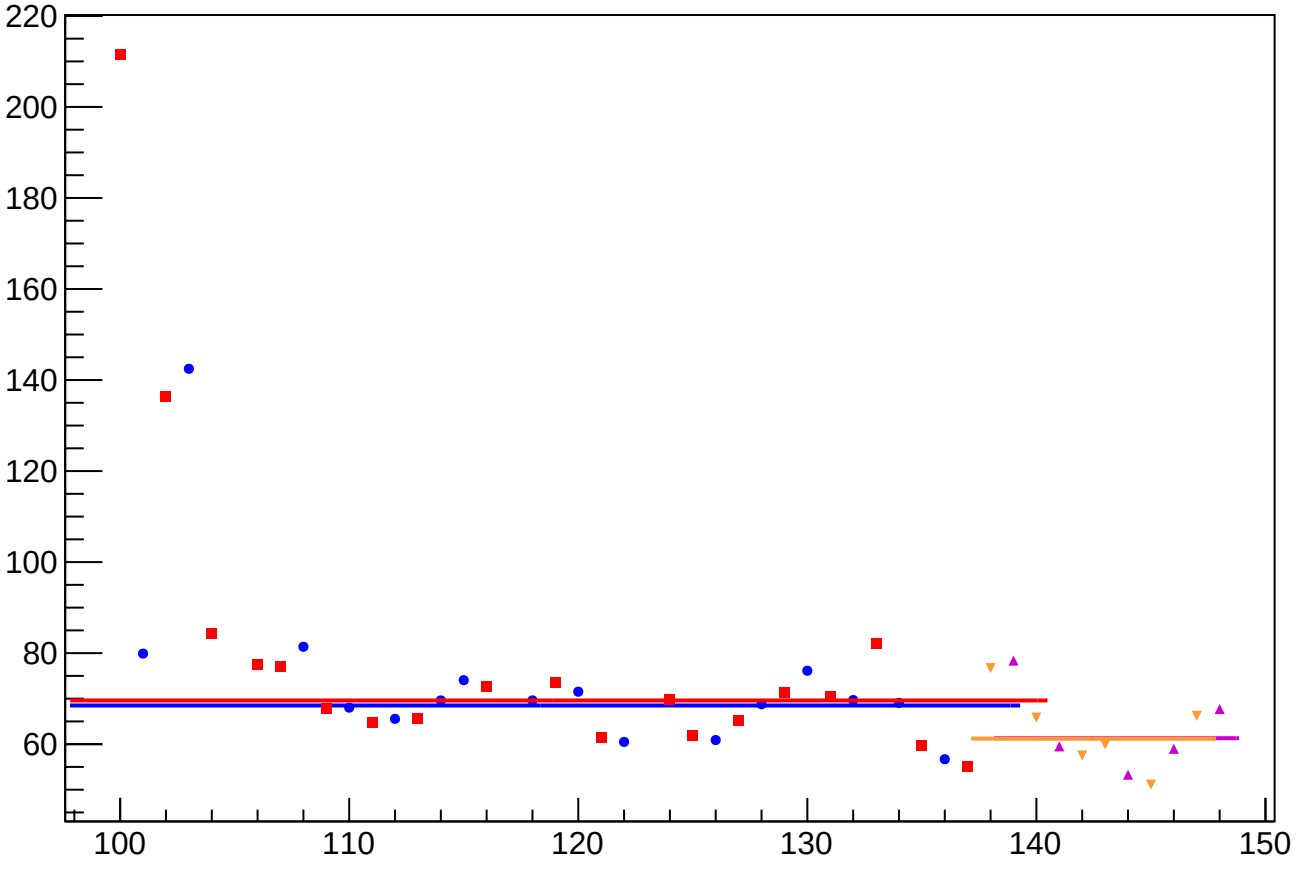
Left In: -52.344+/-29.786 χ^2/NDF:3.2/4

+ sign 41.174+/-19.540 χ^2/NDF: 26.7/21

All: -6.992+/-13.890 χ^2/NDF: 67.9/45

- sign -56.200+/-19.750 χ^2/NDF: 28.9/23

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

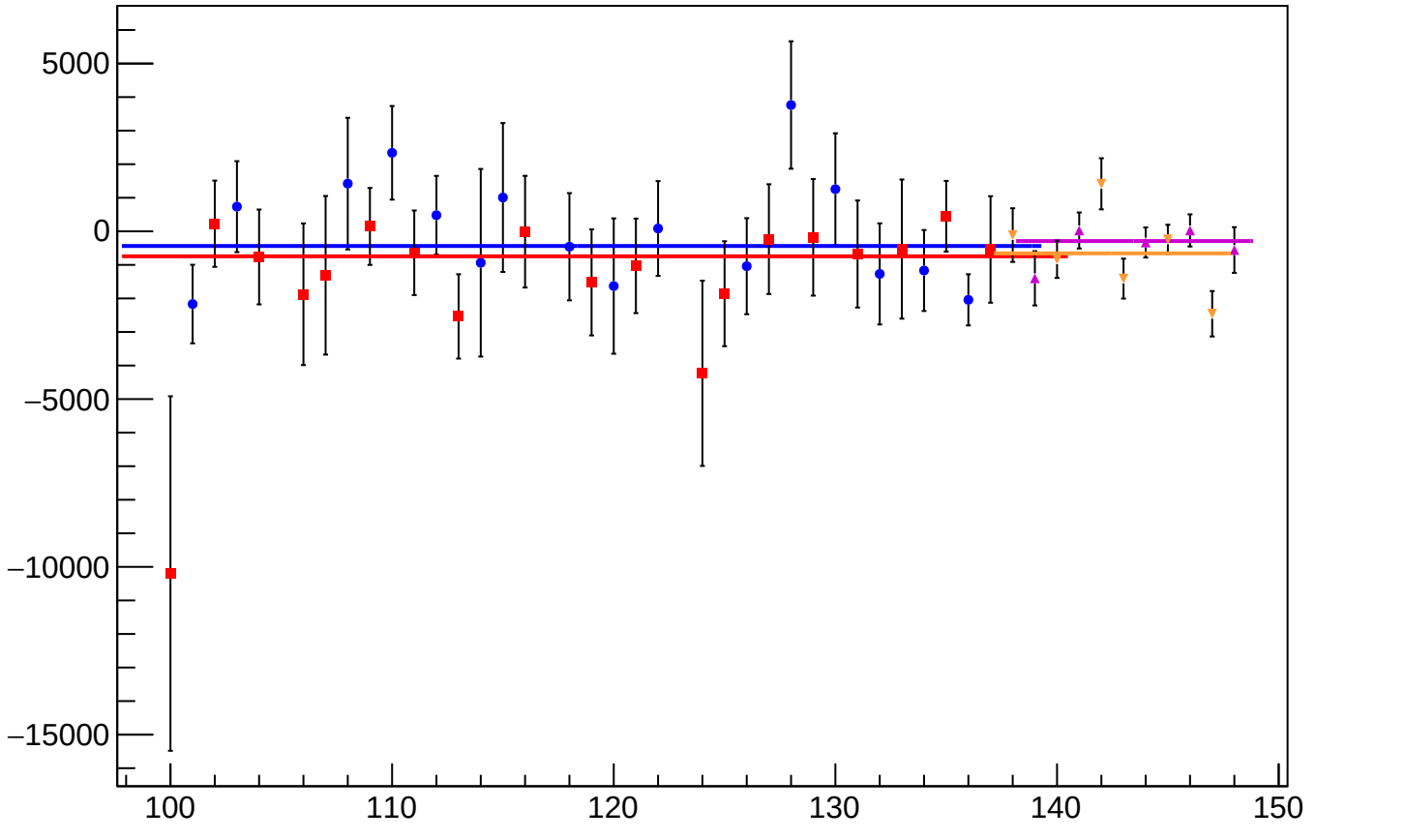
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 65.265+/-0.014 χ^2/NDF: 685517.9/21

All: 65.607+/-0.010 χ^2/NDF: 1431992.4/45

- sign 65.956+/-0.014 χ^2/NDF: 745239.1/23



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -657.428+/-244.168 χ^2/NDF:17.6/5

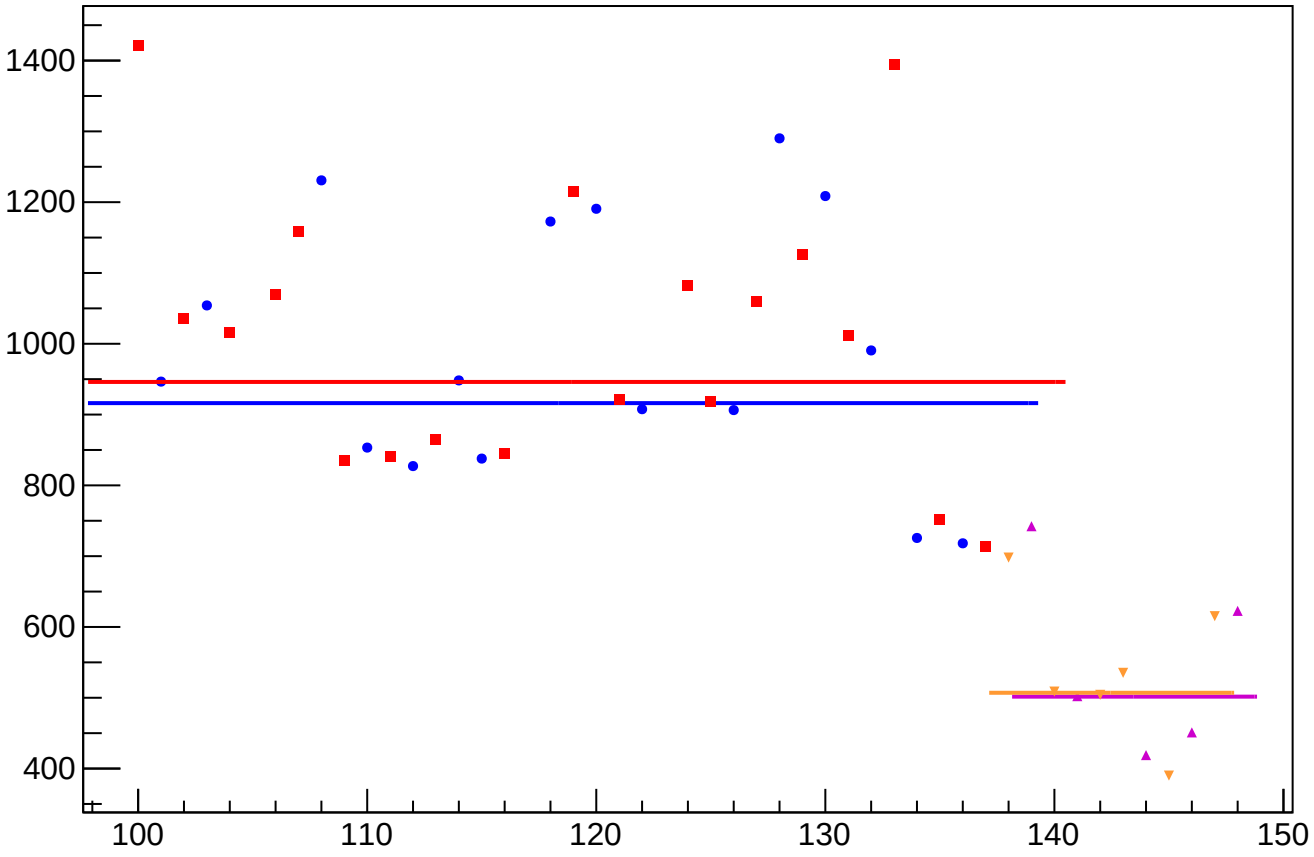
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -290.437+/-246.170 χ^2/NDF:2.8/4

+ sign -585.094+/-200.044 χ^2/NDF: 38.4/21

All: -512.610+/-142.143 χ^2/NDF: 53.4/45

- sign -438.693+/-202.011 χ^2/NDF: 14.8/23



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 507.056+/-0.173 χ^2/NDF:313406.4/5

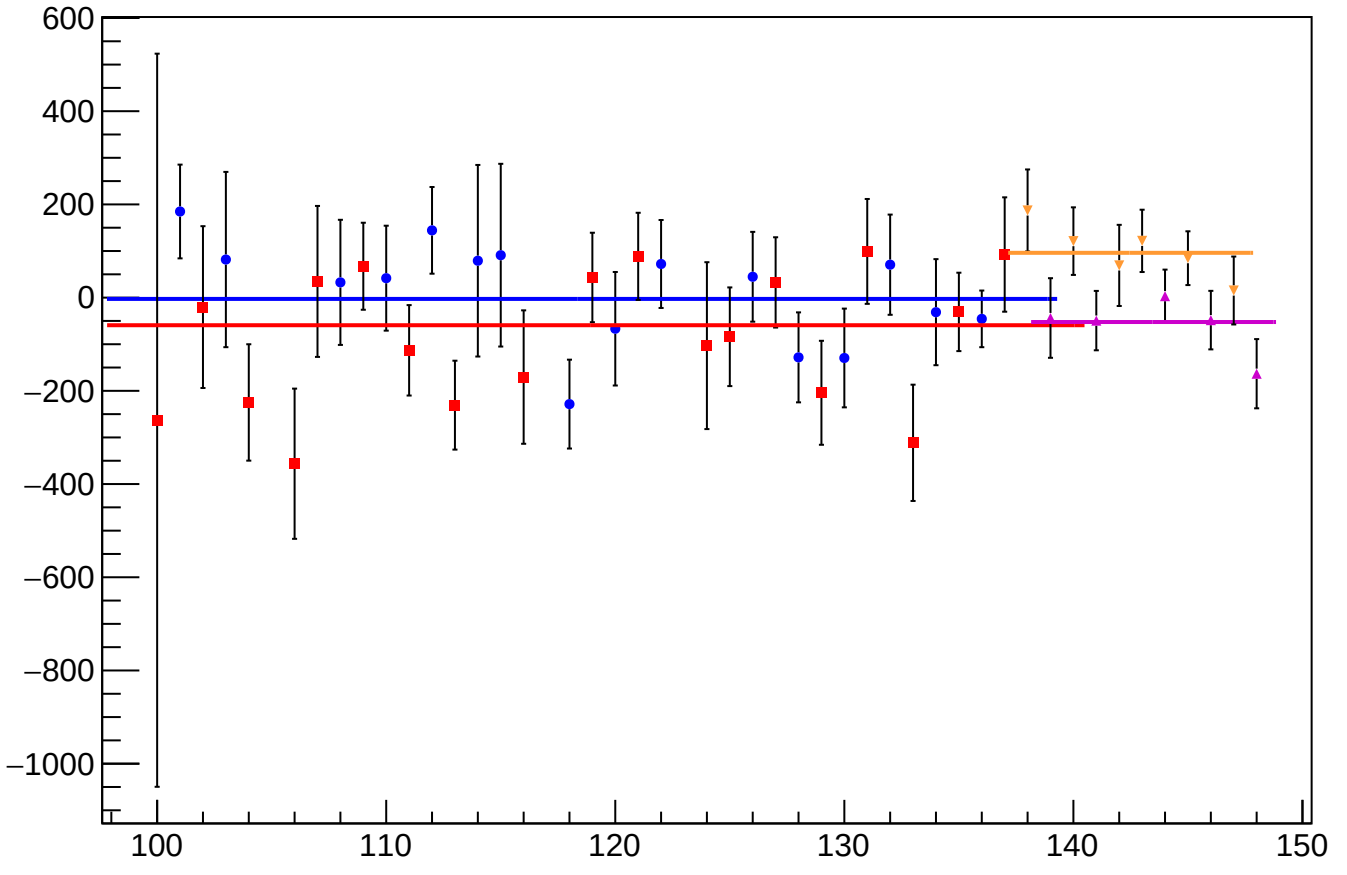
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

+ sign 641.562+/-0.141 χ^2/NDF: 2668605.5/21

All: 644.134+/-0.101 χ^2/NDF: 5534912.3/45

- sign 646.758+/-0.143 χ^2/NDF: 2865638.7/23



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

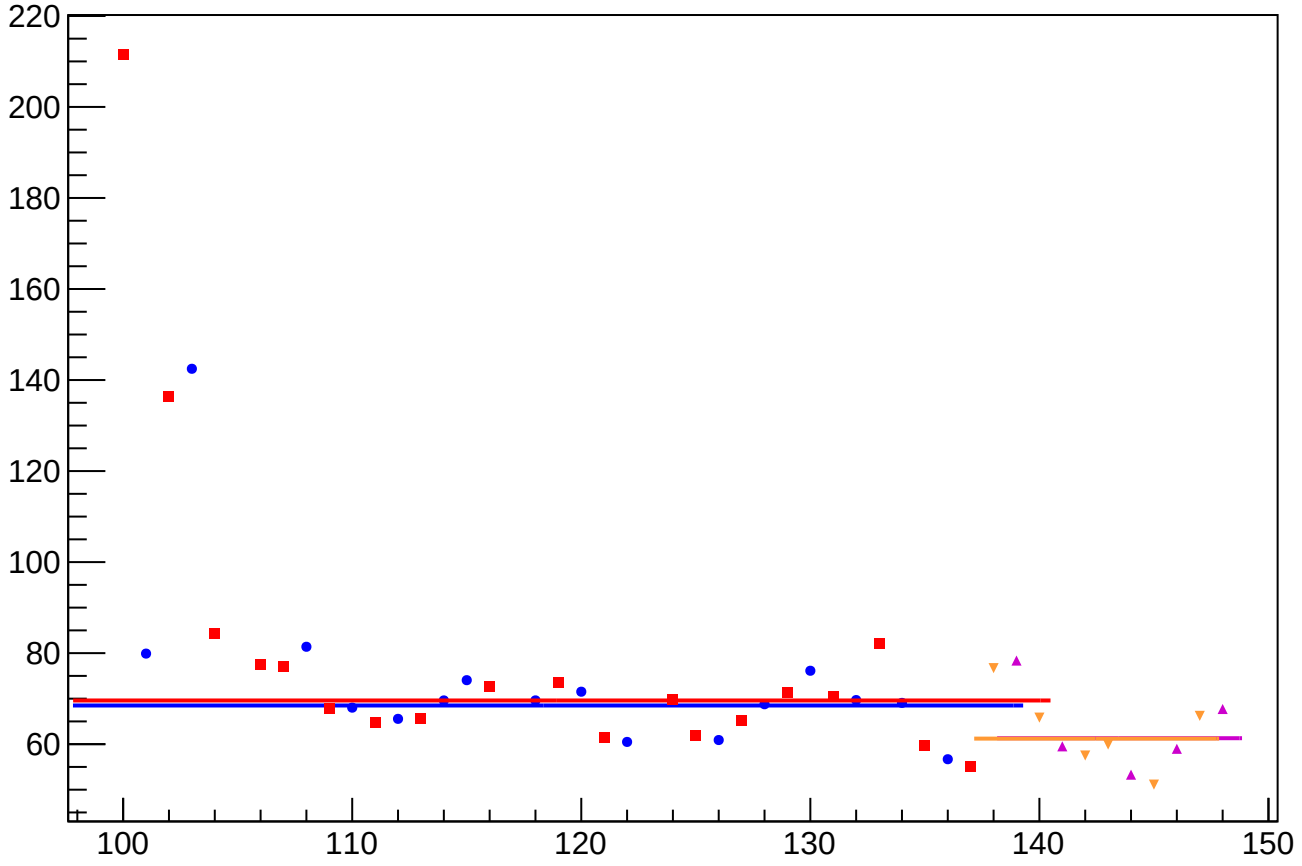
Left In: -52.344+/-29.786 χ^2/NDF:3.2/4

+ sign 41.174+/-19.540 χ^2/NDF: 26.7/21

All: -6.992+/-13.890 χ^2/NDF: 67.9/45

- sign -56.200+/-19.750 χ^2/NDF: 28.9/23

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

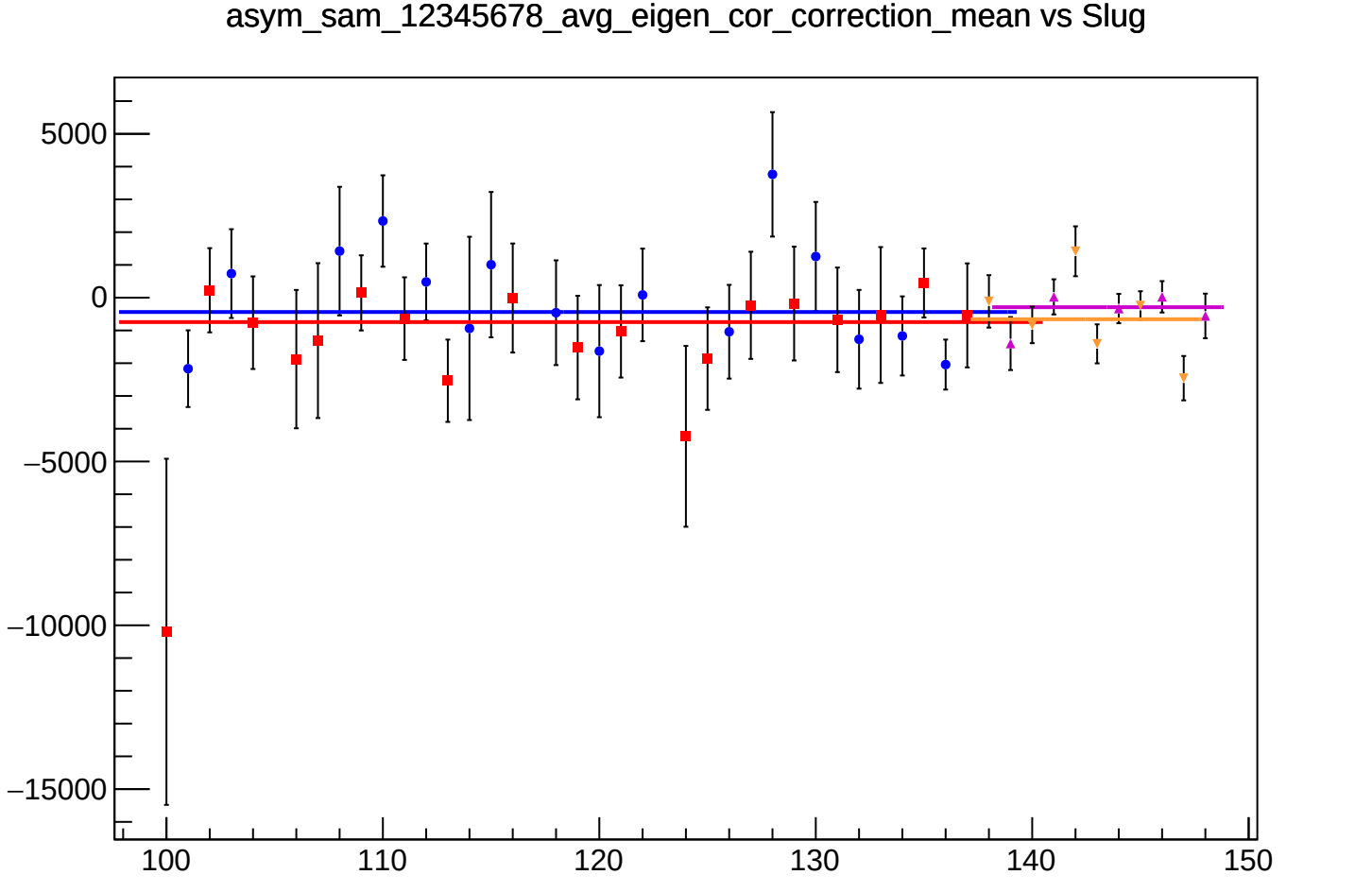
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 65.265+/-0.014 χ^2/NDF: 685517.9/21

All: 65.607+/-0.010 χ^2/NDF: 1431992.4/45

- sign 65.956+/-0.014 χ^2/NDF: 745239.1/23



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -657.428+/-244.168 χ^2/NDF:17.6/5

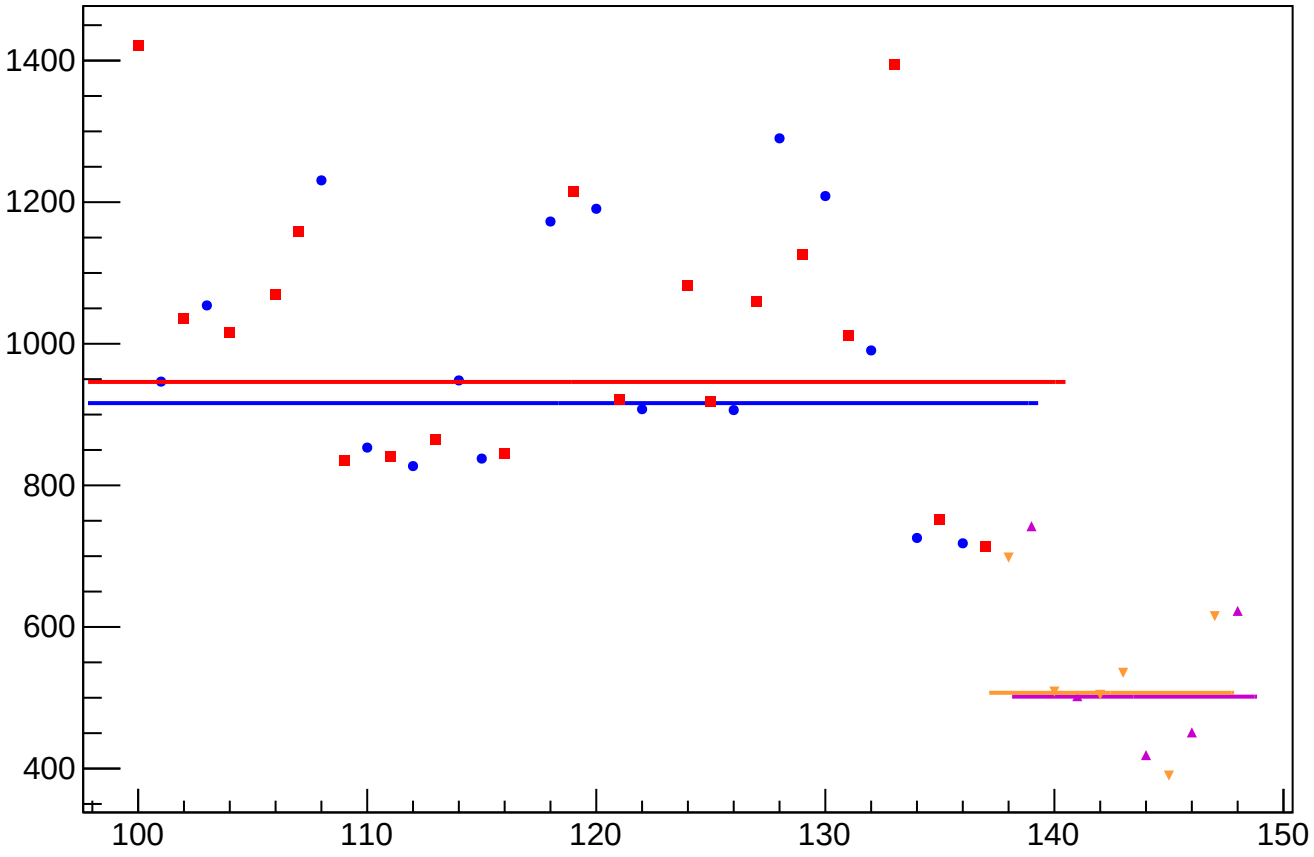
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -290.437+/-246.170 χ^2/NDF:2.8/4

\+ sign -585.094+/-200.044 χ^2/NDF: 38.4/21

All: -512.610+/-142.143 χ^2/NDF: 53.4/45

\- sign -438.693+/-202.011 χ^2/NDF: 14.8/23



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

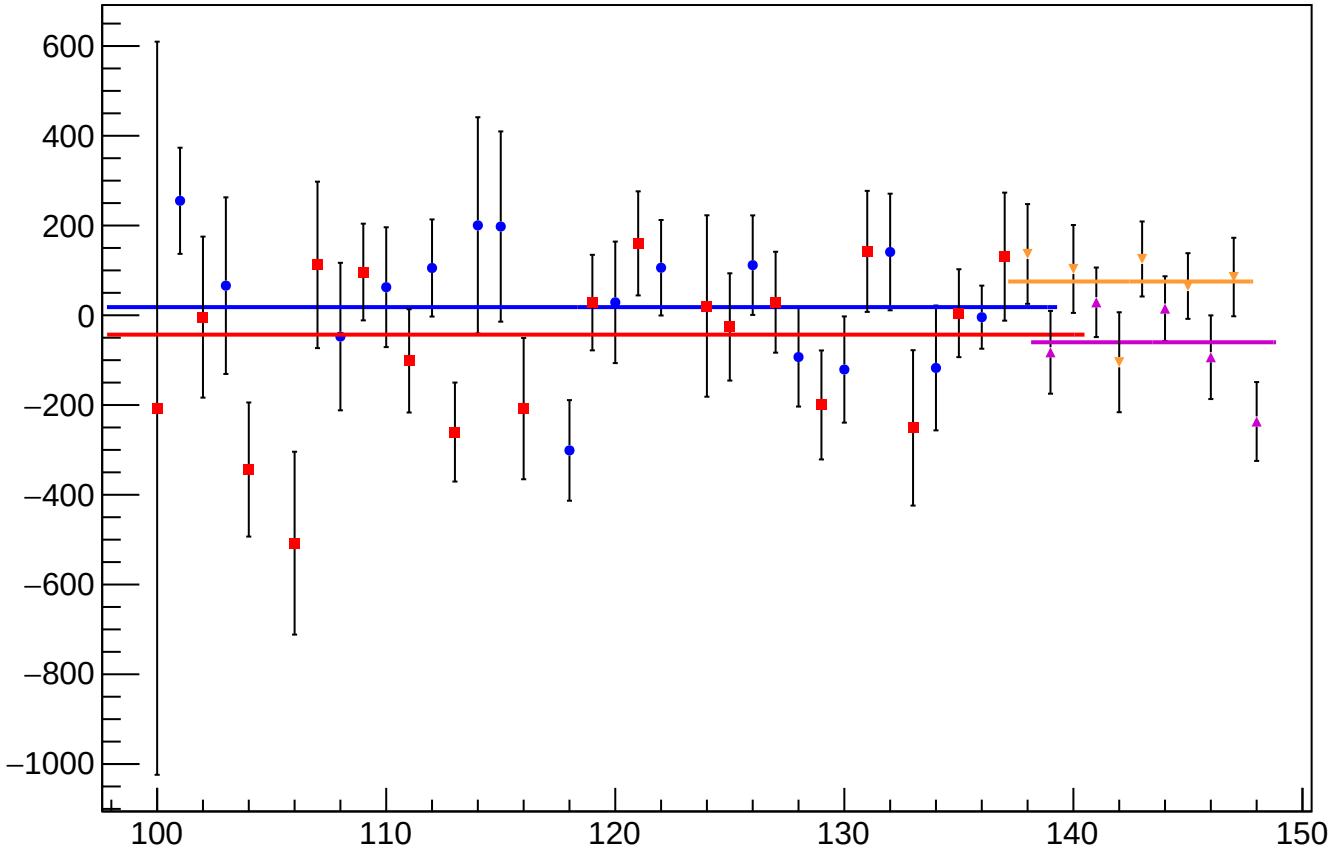
Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

+ sign 641.562+/-0.141 χ^2/NDF: 2668605.5/21

All: 644.134+/-0.101 χ^2/NDF: 5534912.3/45

- sign 646.758+/-0.143 χ^2/NDF: 2865638.7/23

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

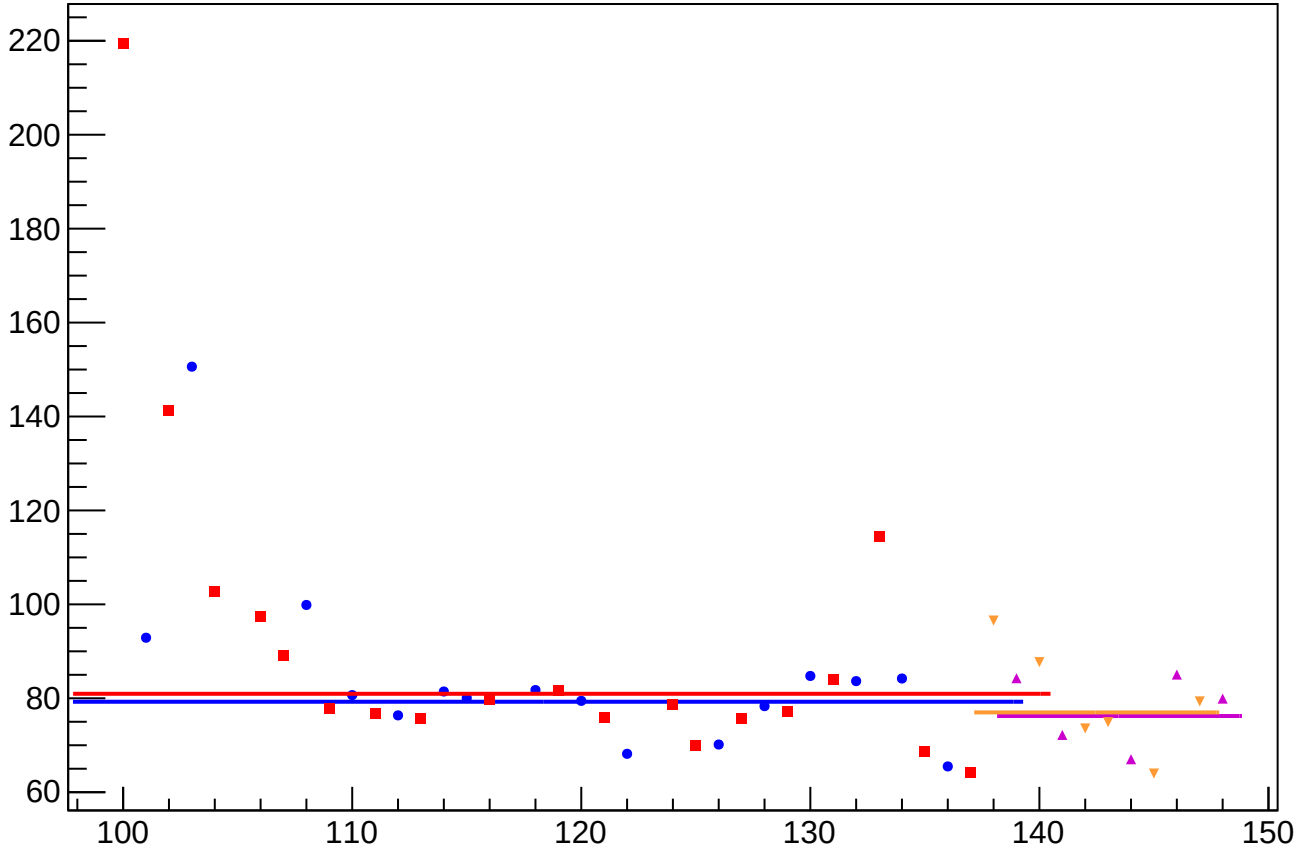
Left In: -60.167+/-37.236 χ^2/NDF:6.6/4

+ sign 41.043+/-23.490 χ^2/NDF: 24.9/21

All: -4.109+/-16.680 χ^2/NDF: 66.9/45

- sign -50.035+/-23.691 χ^2/NDF: 34.5/23

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

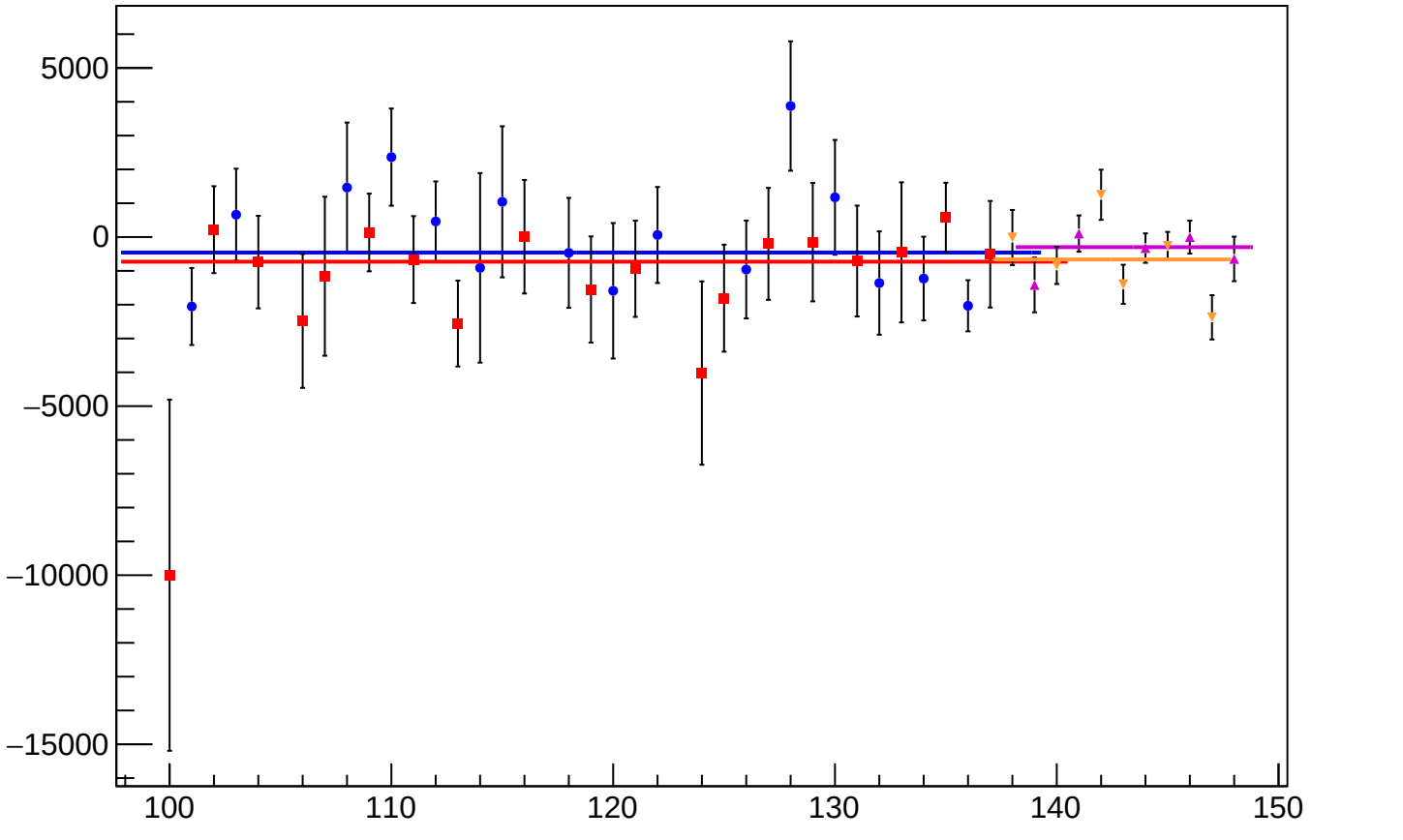
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 76.225+/-0.026 χ^2/NDF:74754.0/4

+ sign 78.354+/-0.017 χ^2/NDF: 603095.9/21

All: 78.695+/-0.012 χ^2/NDF: 1212117.7/45

- sign 79.043+/-0.017 χ^2/NDF: 608168.9/23



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

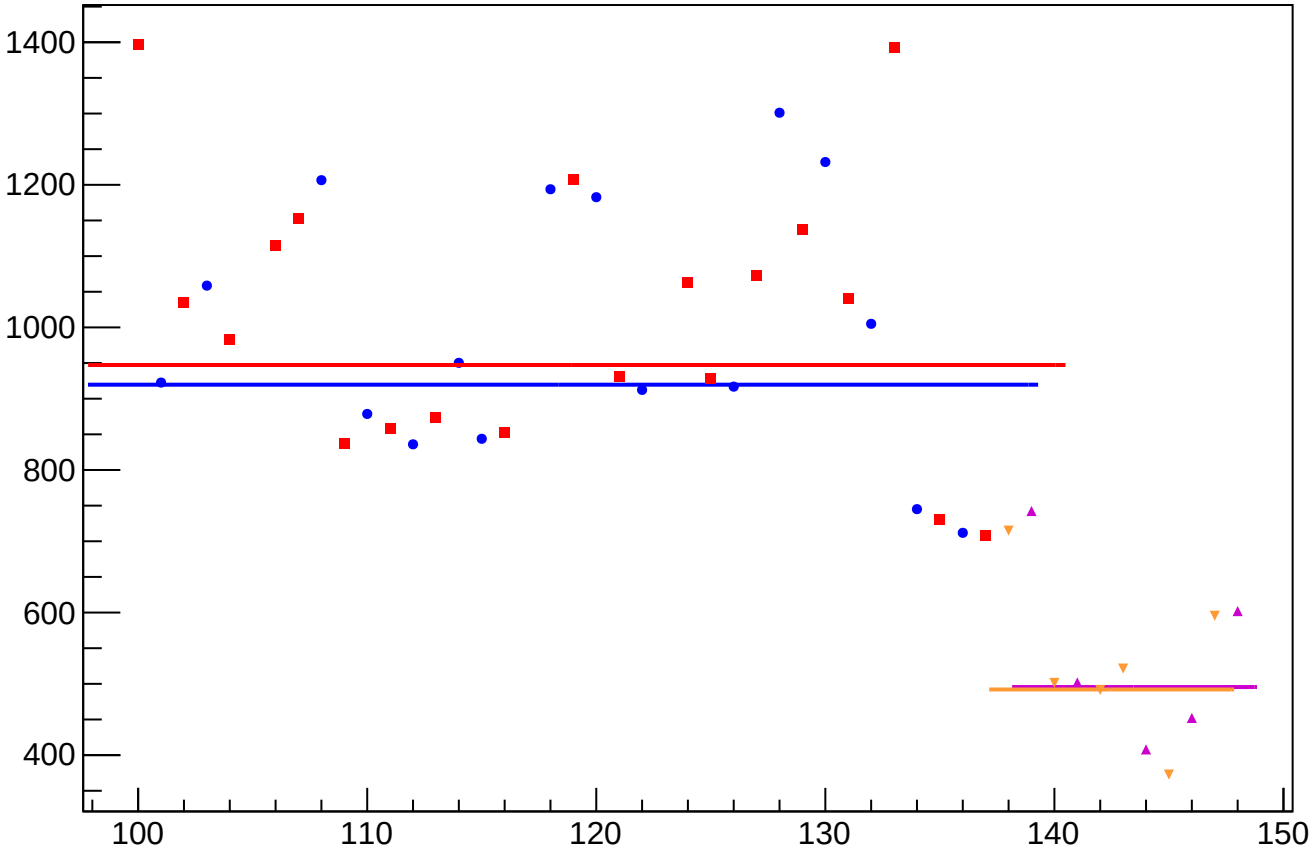
Left In: -298.780+/-243.742 χ^2/NDF:3.1/4

+ sign -598.403+/-196.363 χ^2/NDF: 37.3/21

All: -519.785+/-140.288 χ^2/NDF: 53.3/45

- sign -437.822+/-200.495 χ^2/NDF: 15.7/23

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

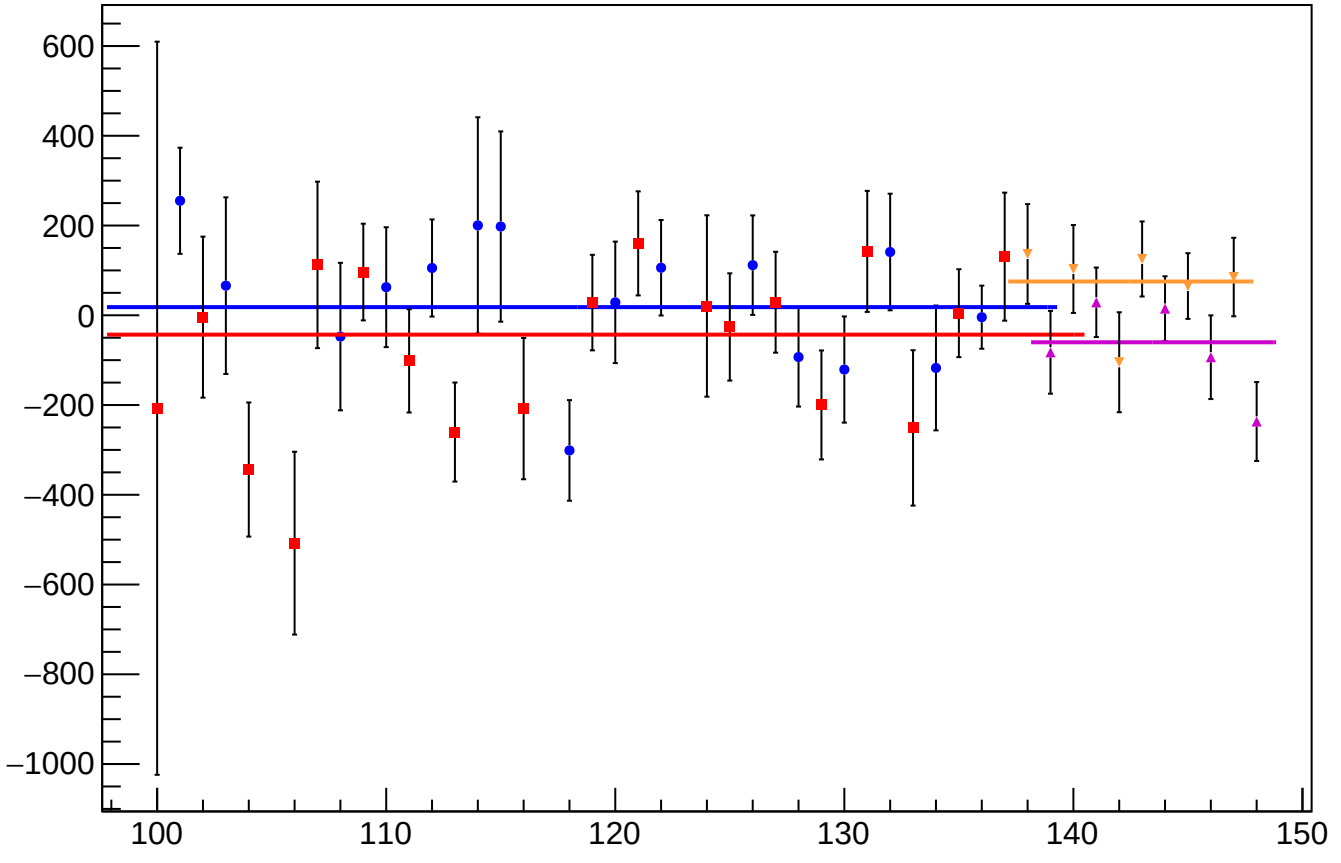
Left In: 495.531+/-0.172 χ^2/NDF:335478.4/4

+ sign 626.595+/-0.139 χ^2/NDF: 2930448.5/21

All: 633.948+/-0.099 χ^2/NDF: 5918766.4/45

- sign 641.614+/-0.142 χ^2/NDF: 2982590.2/23

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

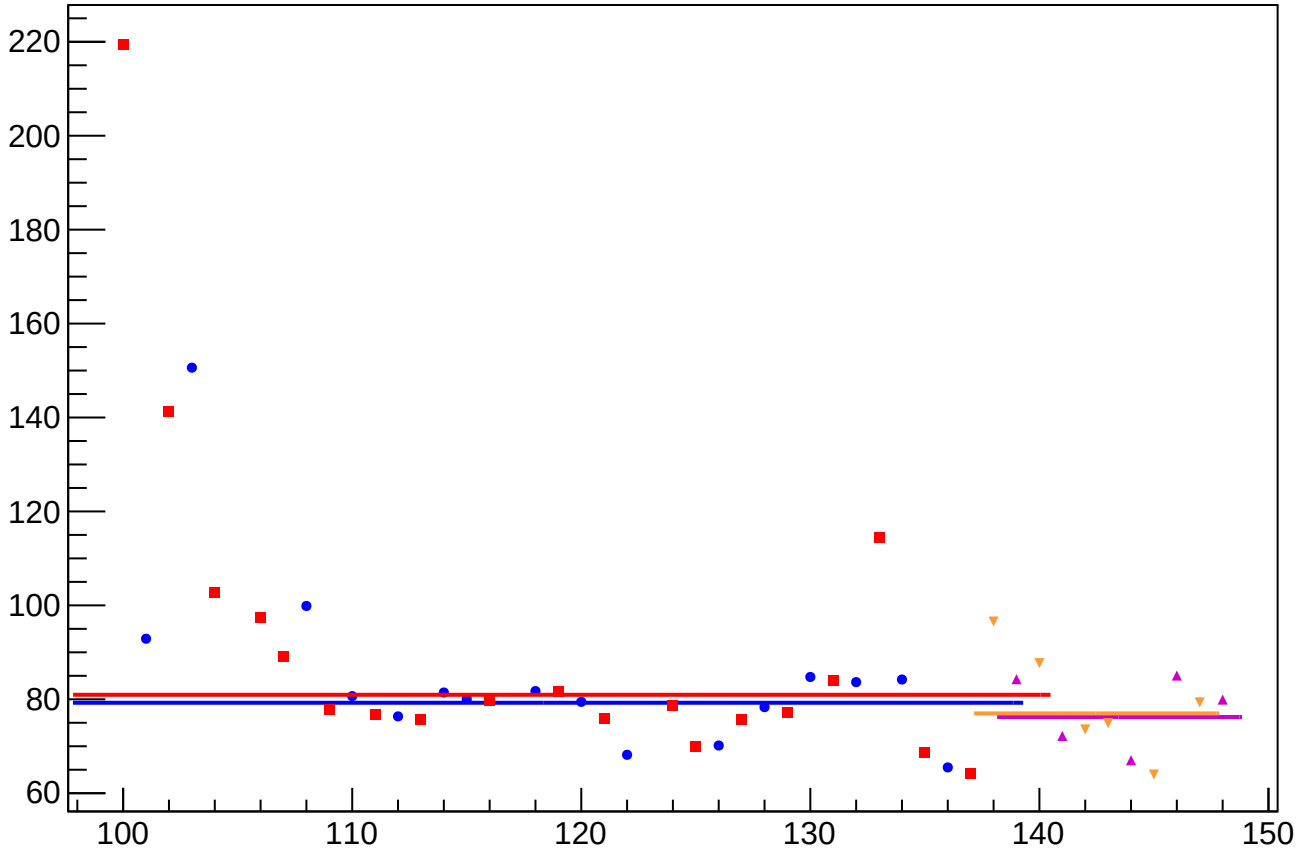
Left In: -60.167+/-37.237 χ^2/NDF:6.6/4

+ sign 41.043+/-23.490 χ^2/NDF: 24.9/21

All: -4.108+/-16.680 χ^2/NDF: 66.9/45

- sign -50.034+/-23.691 χ^2/NDF: 34.5/23

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

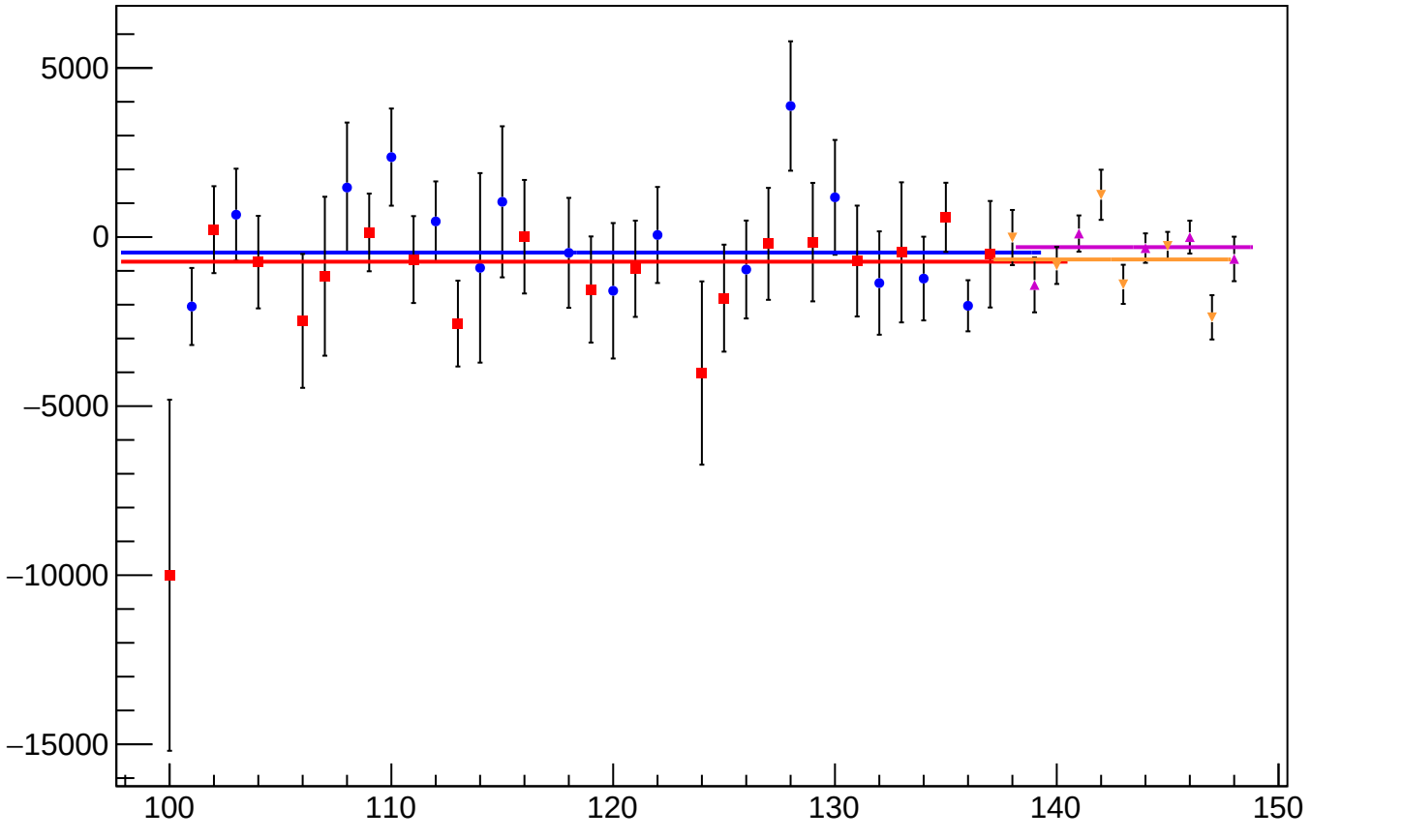
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 76.226+/-0.026 χ^2/NDF:74752.7/4

+ sign 78.354+/-0.017 χ^2/NDF: 603081.8/21

All: 78.695+/-0.012 χ^2/NDF: 1212106.7/45

- sign 79.043+/-0.017 χ^2/NDF: 608171.9/23



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -662.808+/-237.189 χ^2/NDF:16.8/5

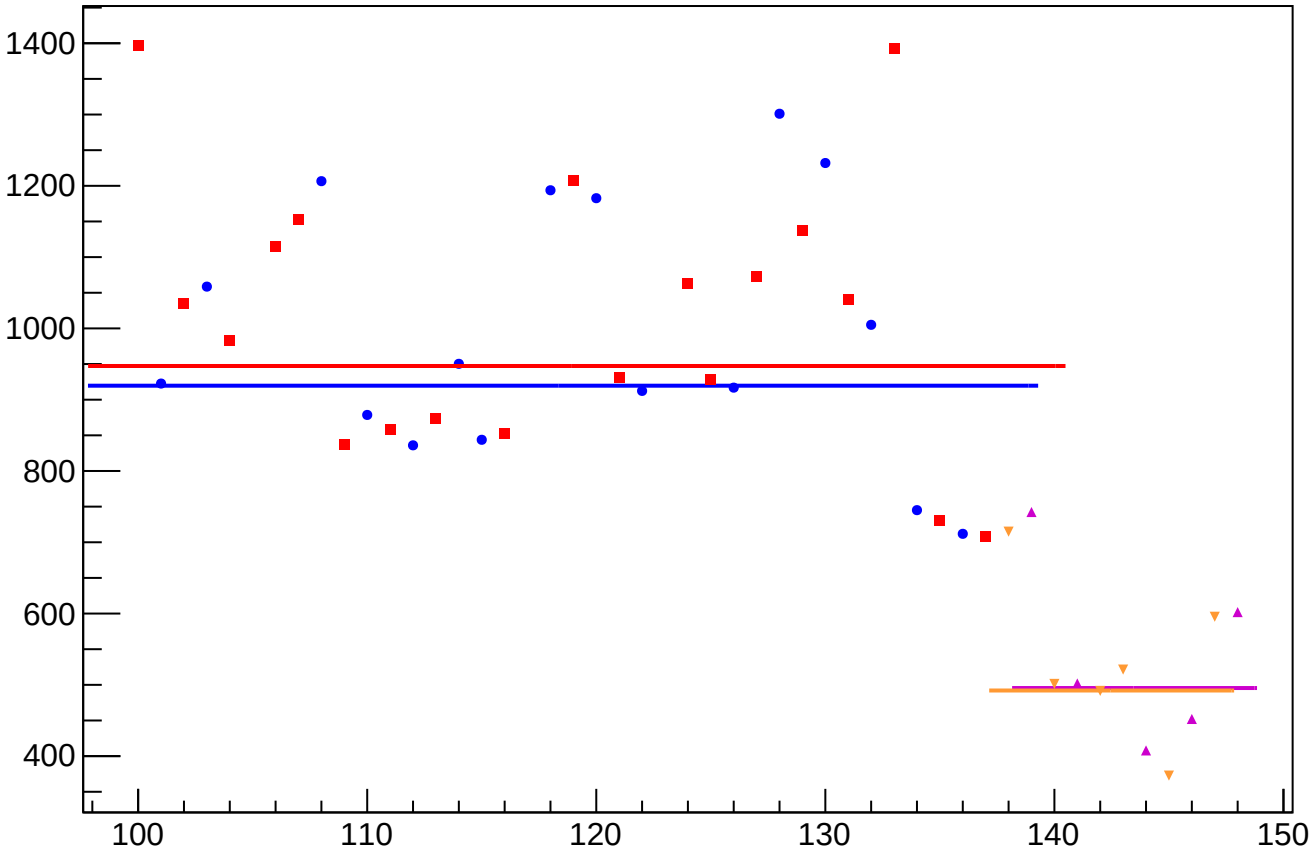
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -298.780+/-243.742 χ^2/NDF:3.1/4

+ sign -598.403+/-196.362 χ^2/NDF: 37.3/21

All: -519.784+/-140.287 χ^2/NDF: 53.3/45

- sign -437.822+/-200.495 χ^2/NDF: 15.7/23



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

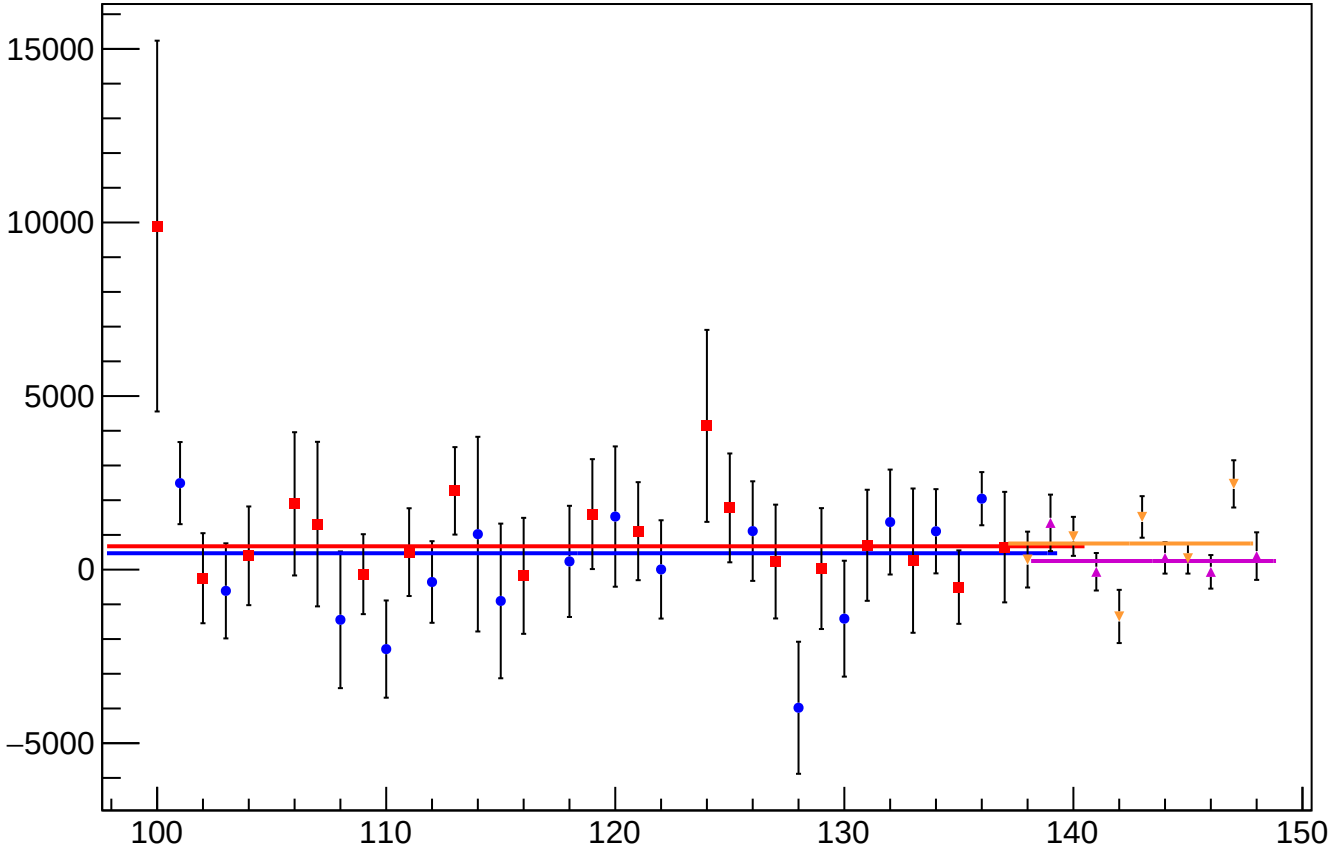
Left In: 495.531+/-0.172 χ^2/NDF:335478.1/4

+ sign 626.594+/-0.139 χ^2/NDF: 2930449.5/21

All: 633.947+/-0.099 χ^2/NDF: 5918760.6/45

- sign 641.613+/-0.142 χ^2/NDF: 2982583.0/23

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

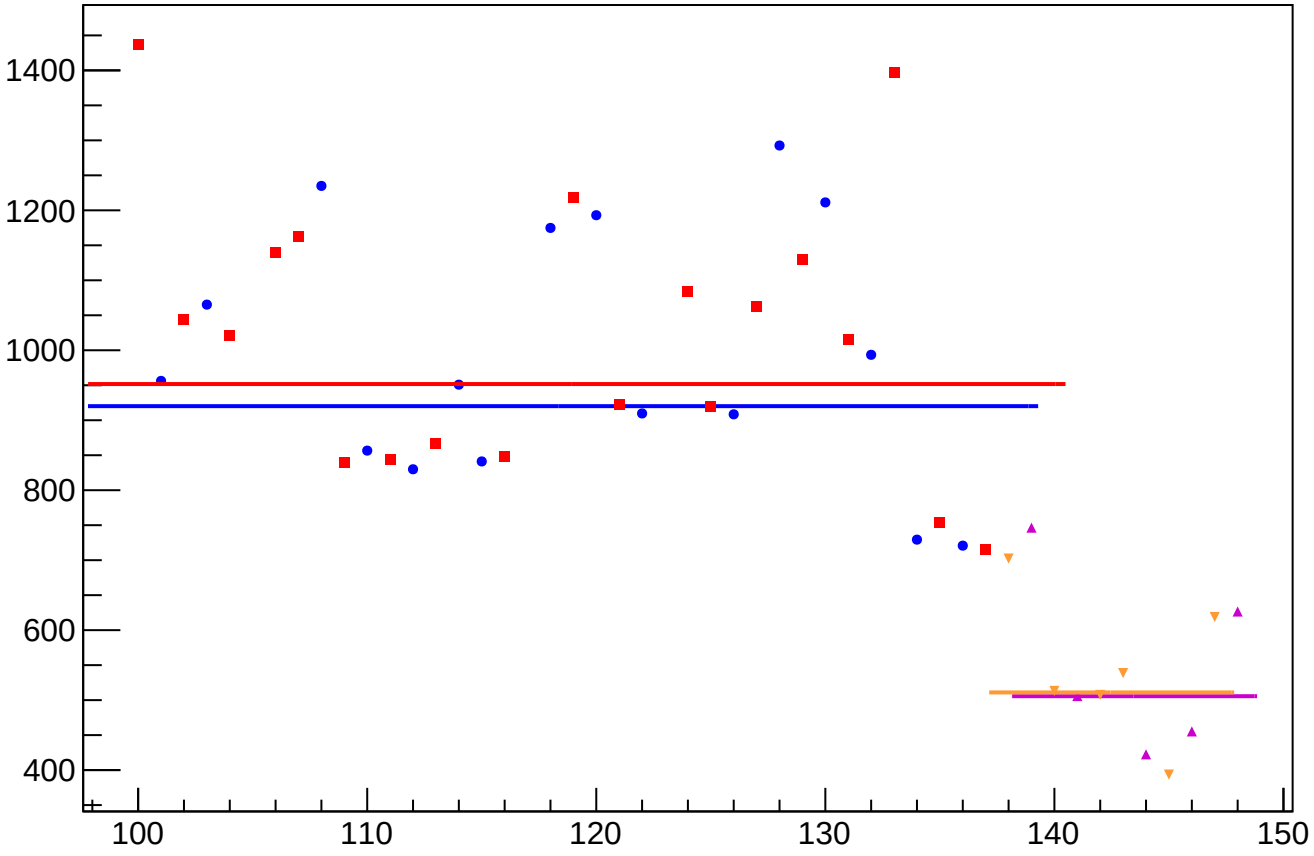
Left In: 248.390+/-248.088 χ^2/NDF:2.6/4

+ sign 659.909+/-201.346 χ^2/NDF: 38.8/21

All: 525.153+/-143.045 χ^2/NDF: 53.7/45

- sign 387.821+/-203.261 χ^2/NDF: 13.9/23

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

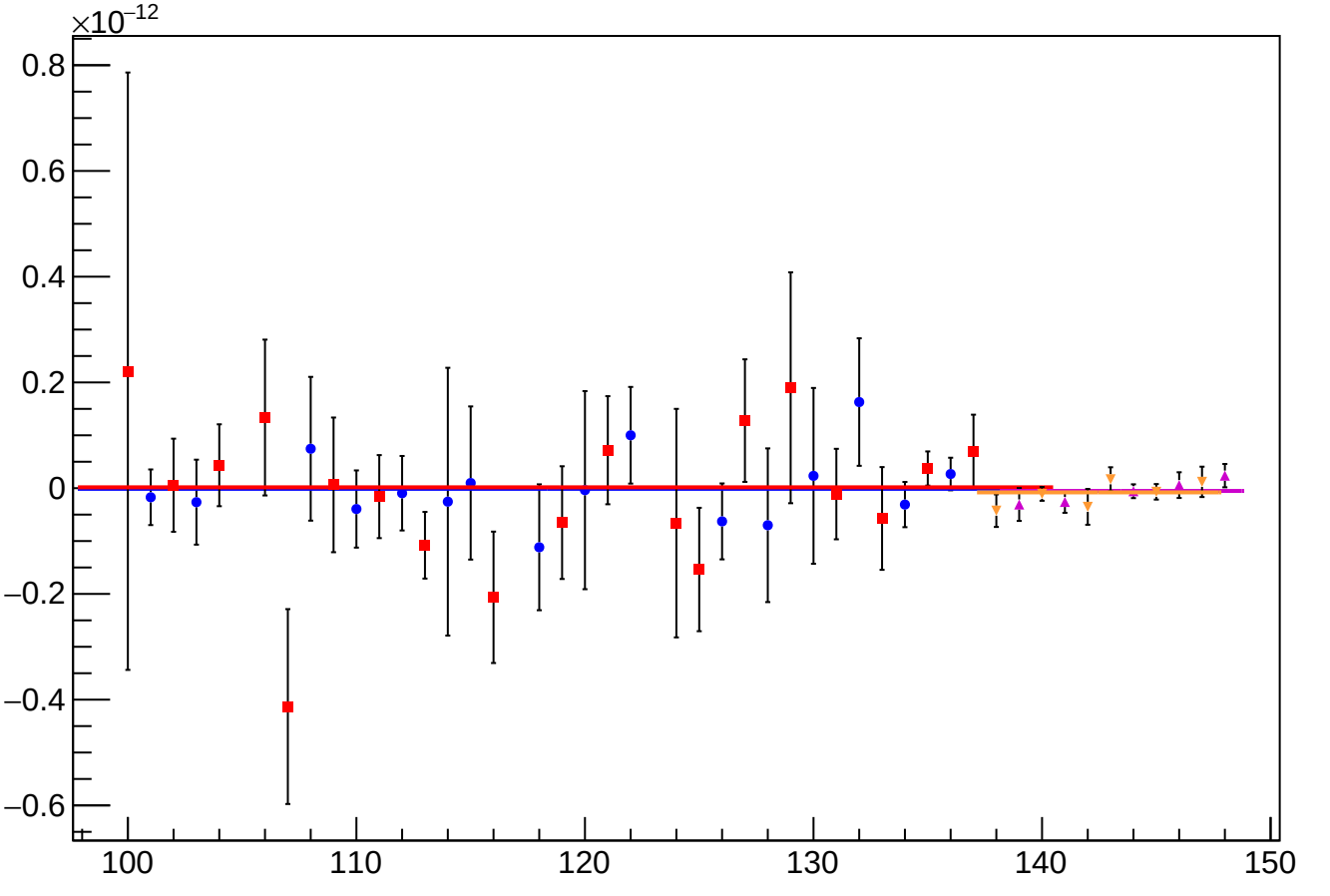
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 505.613+/-0.175 χ^2/NDF:327081.6/4

+ sign 646.111+/-0.142 χ^2/NDF: 2644827.5/21

All: 649.159+/-0.101 χ^2/NDF: 5514897.6/45

- sign 652.266+/-0.144 χ^2/NDF: 2869144.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

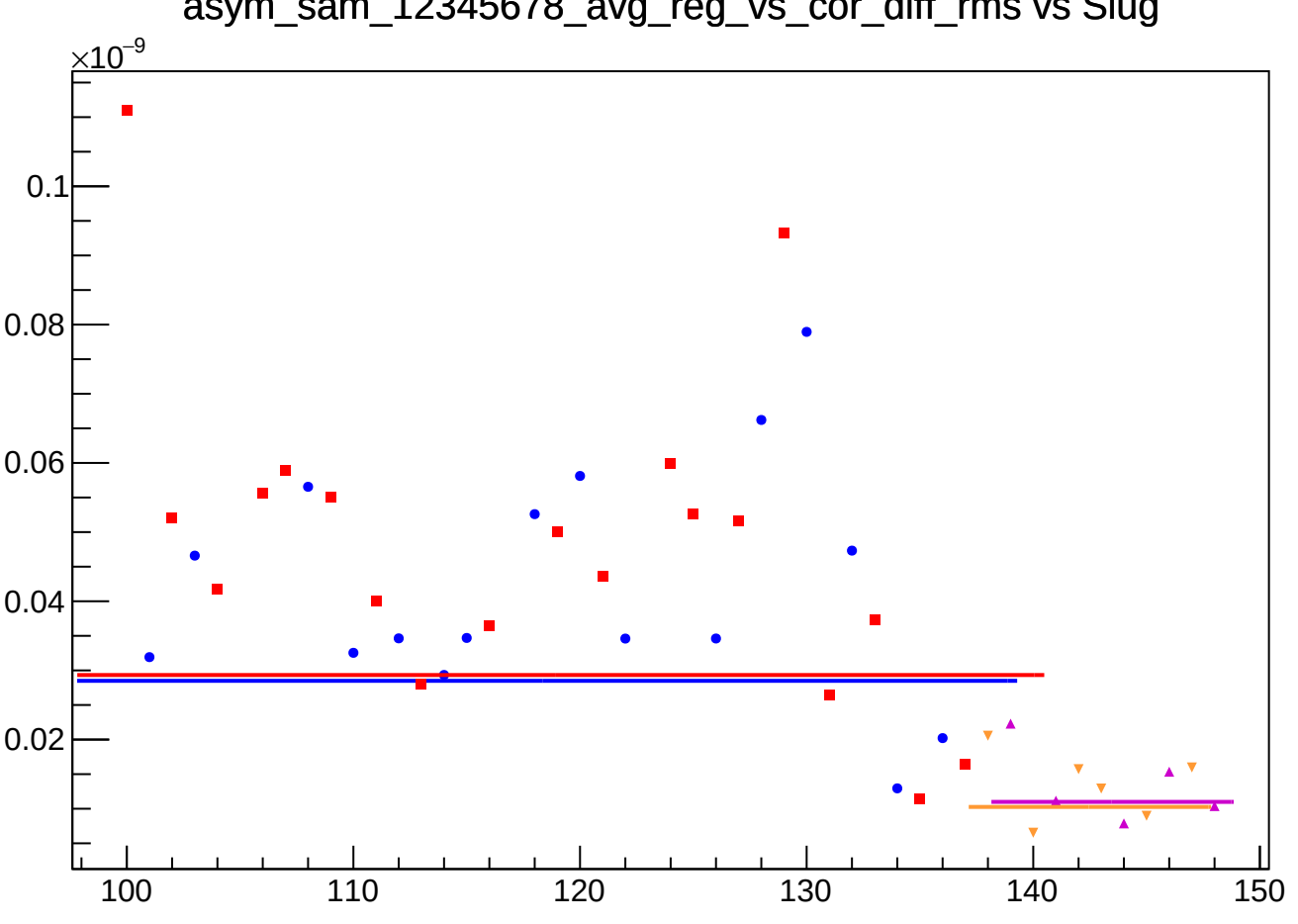
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 10.8/21

All: -0.000+/-0.000 χ^2/NDF: 34.0/45

- sign -0.000+/-0.000 χ^2/NDF: 23.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:559349.1/5

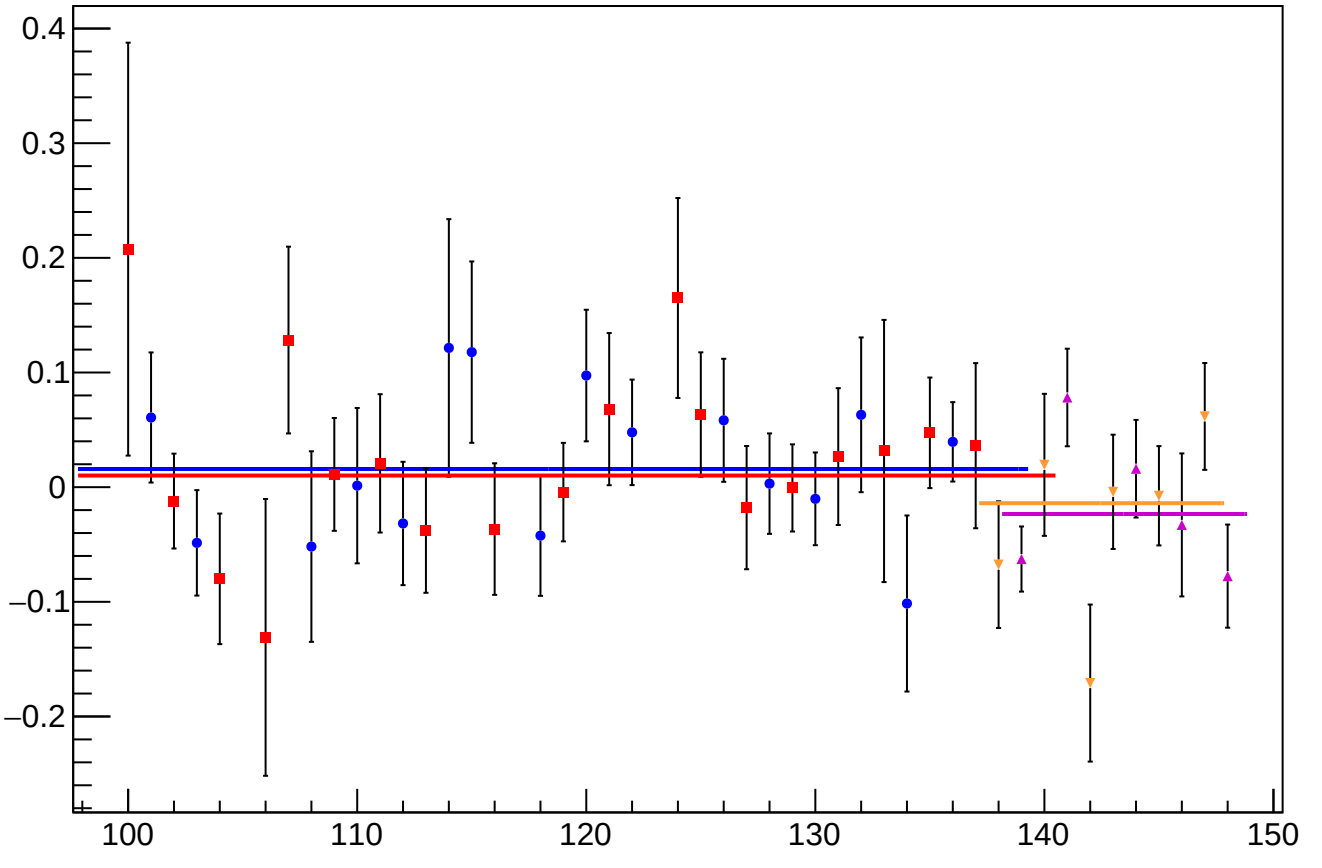
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:444893.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3471104.4/21

All: 0.000+/-0.000 χ^2/NDF: 7075192.2/45

- sign 0.000+/-0.000 χ^2/NDF: 3593782.6/23



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

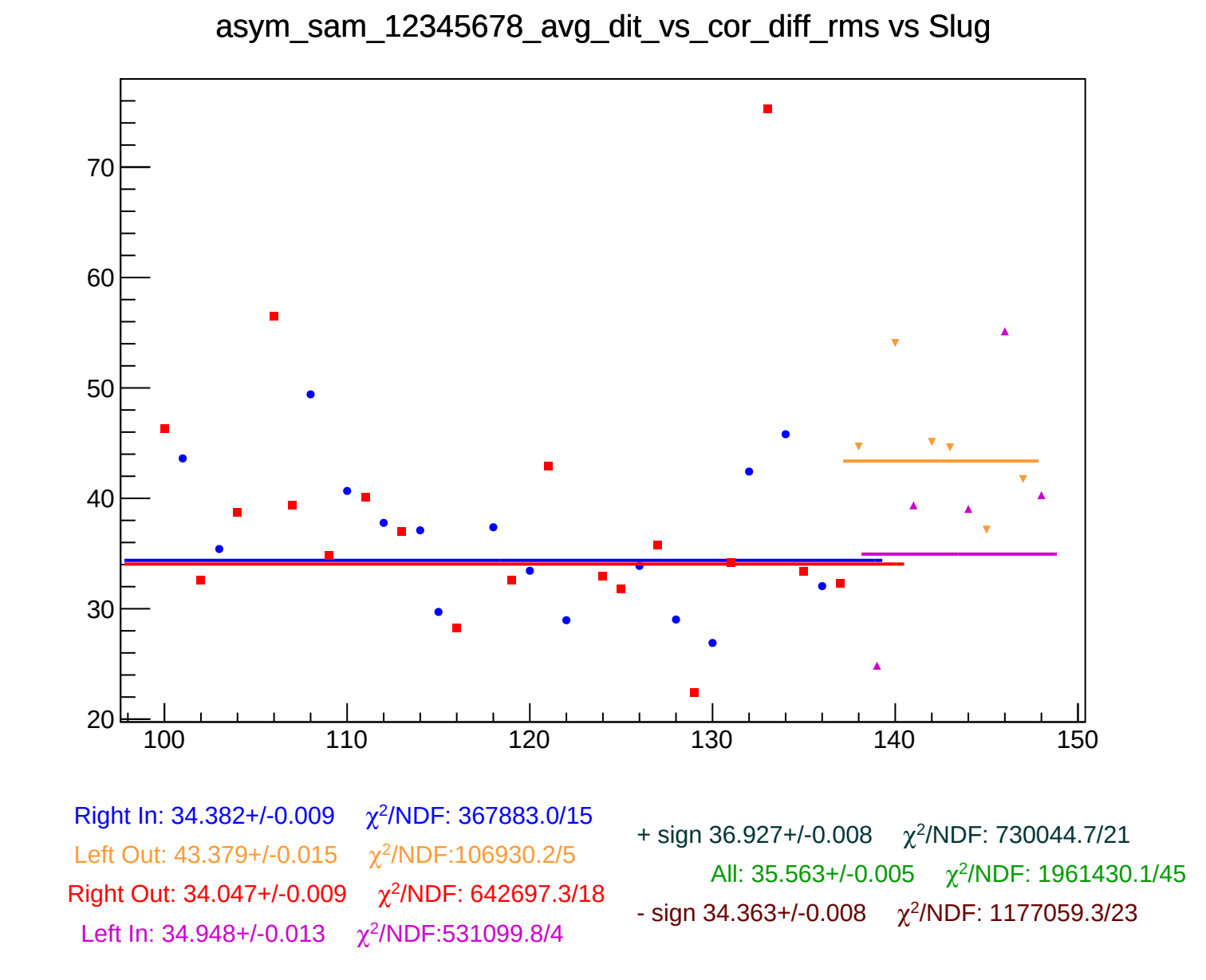
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

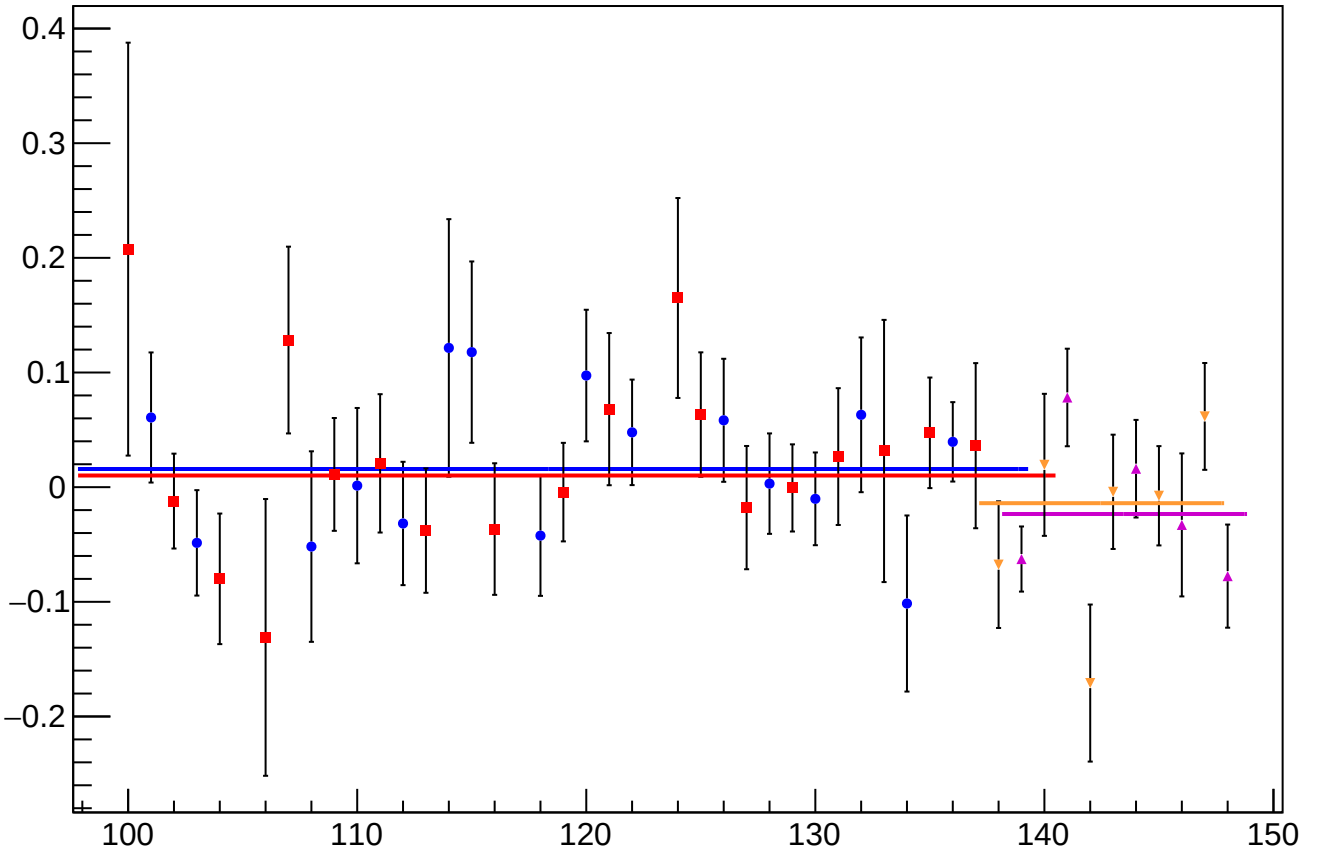
Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.003+/-0.008 χ^2/NDF: 53.0/45

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.382+/-0.009 χ2/NDF: 367883.0/15
Left Out: 43.379+/-0.015 χ2/NDF:106930.2/5
Right Out: 34.047+/-0.009 χ2/NDF: 642697.3/18
Left In: 34.948+/-0.013 χ2/NDF:531099.8/4
+ sign 36.927+/-0.008 χ2/NDF: 730044.7/21
All: 35.563+/-0.005 χ2/NDF: 1961430.1/45
- sign 34.363+/-0.008 χ2/NDF: 1177059.3/23



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

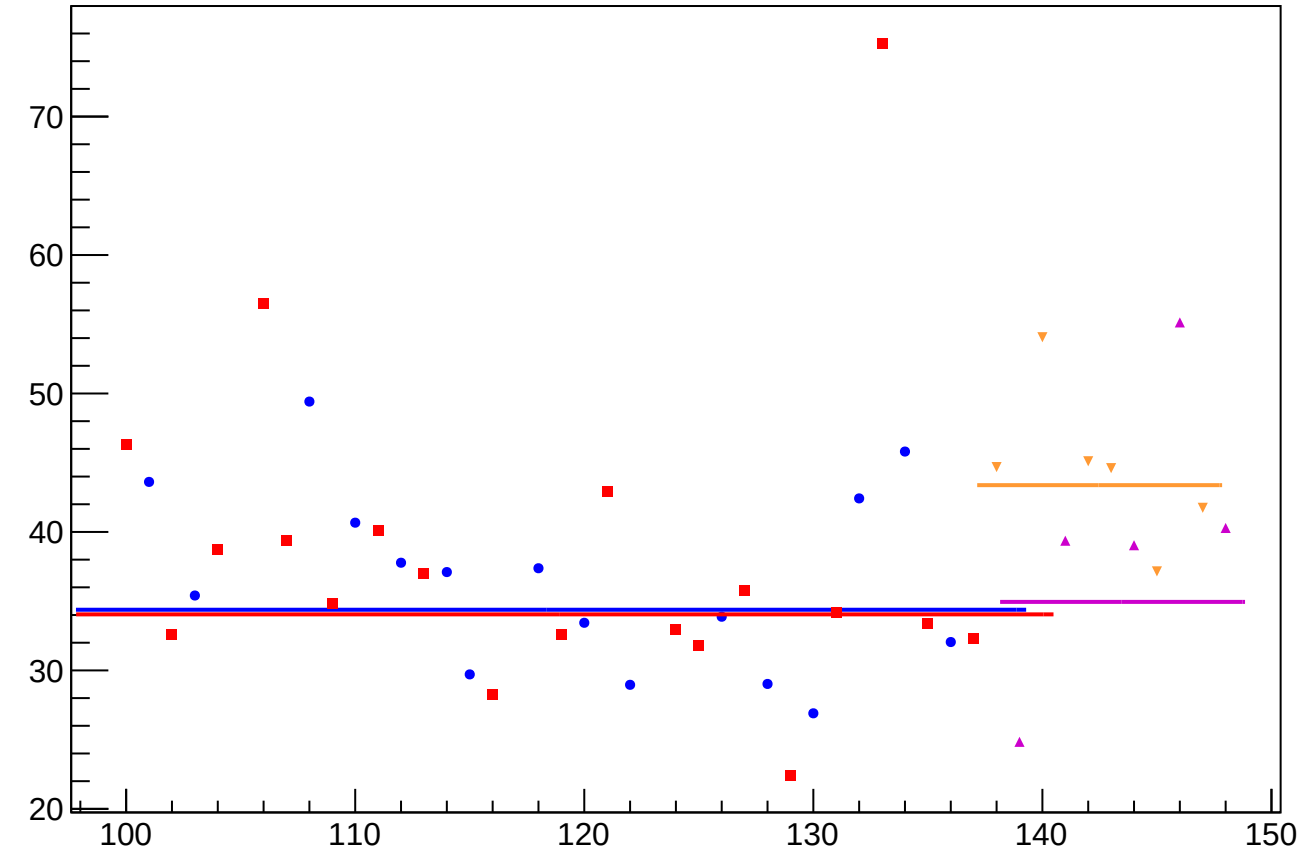
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.003+/-0.008 χ^2/NDF: 53.0/45

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.379+/-0.015 χ^2/NDF:106930.2/5

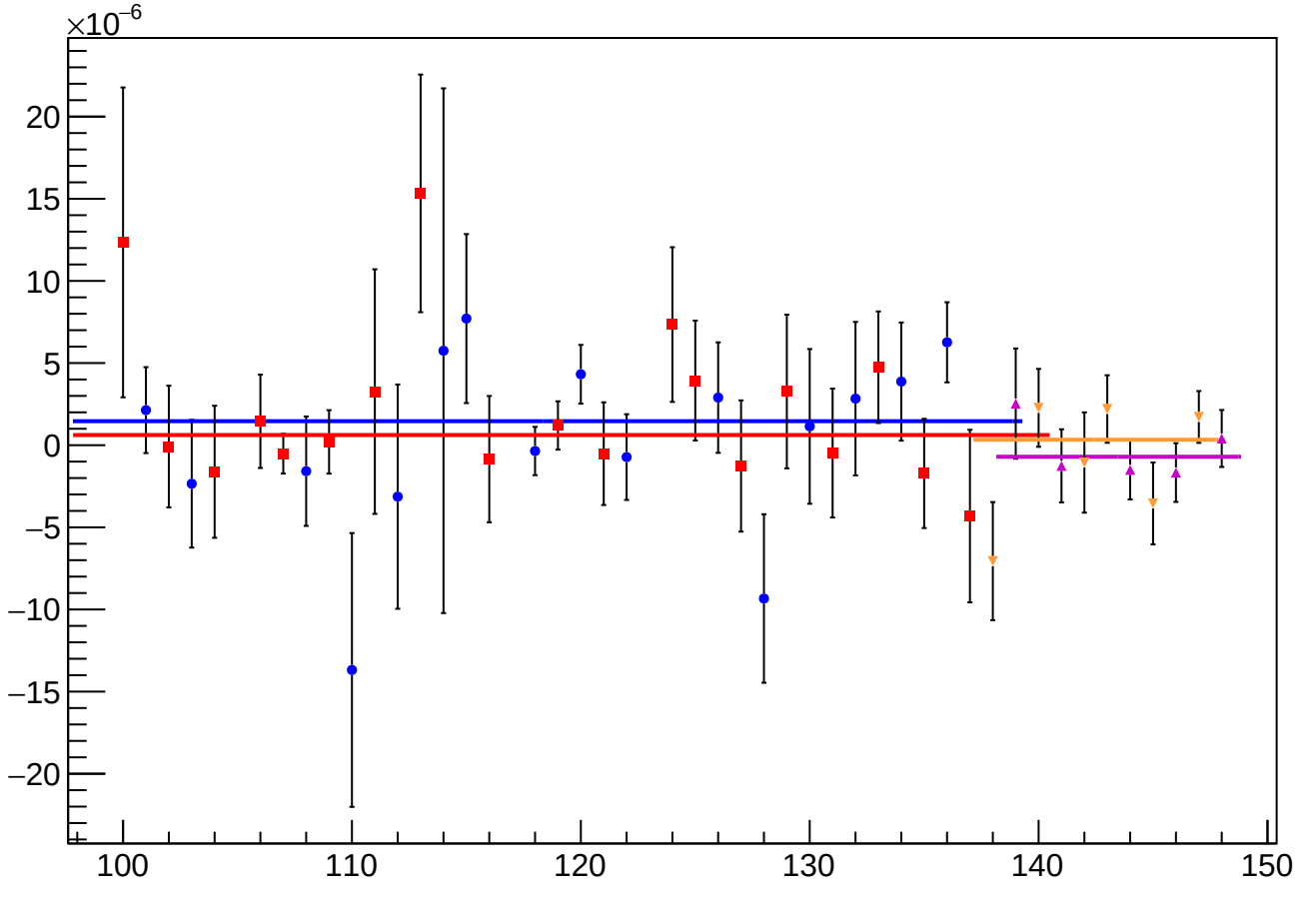
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

+ sign 36.927+/-0.008 χ^2/NDF: 730044.7/21

All: 35.563+/-0.005 χ^2/NDF: 1961430.1/45

- sign 34.363+/-0.008 χ^2/NDF: 1177059.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/5

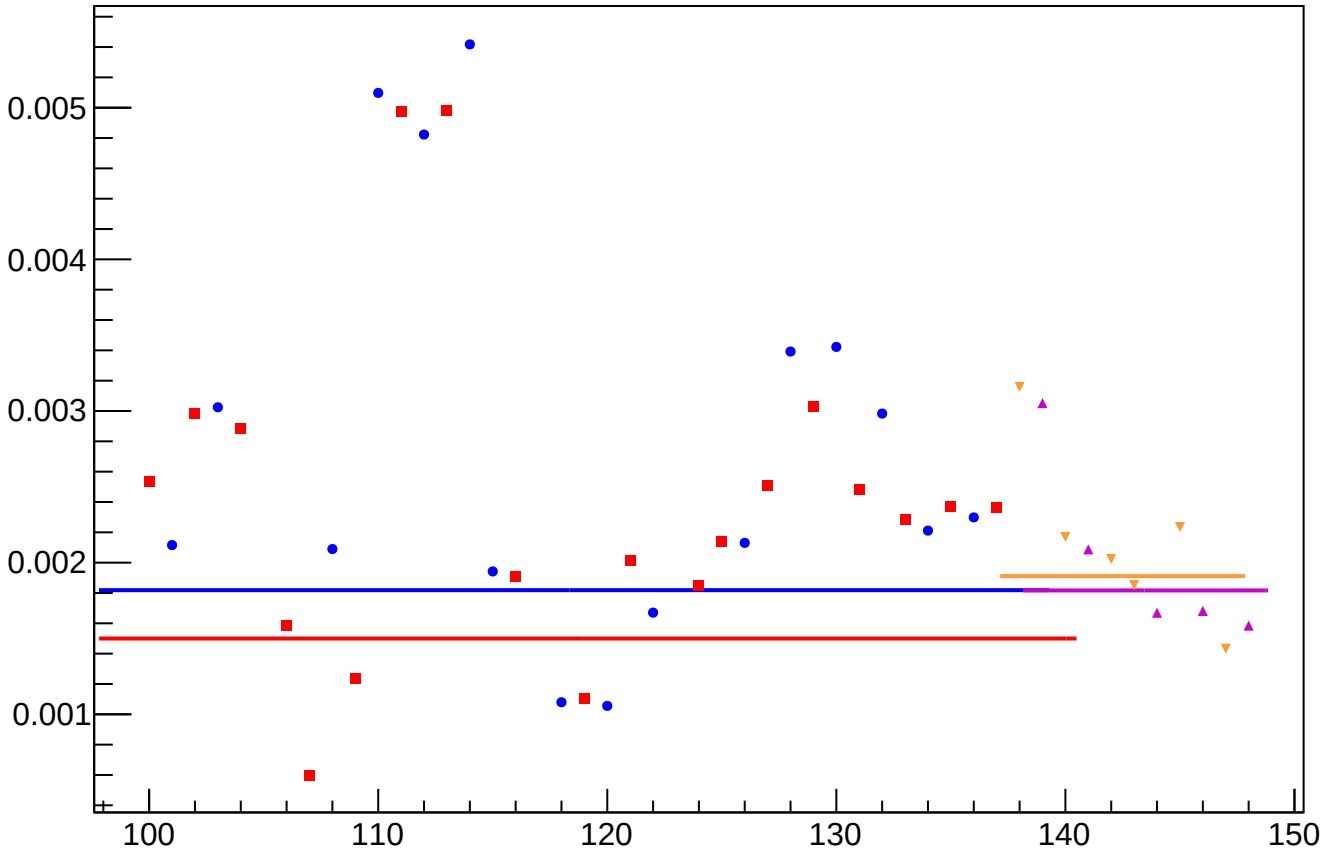
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/21

All: 0.000+/-0.000 χ^2/NDF: 49.4/45

- sign 0.000+/-0.000 χ^2/NDF: 17.2/23



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:487264.7/5

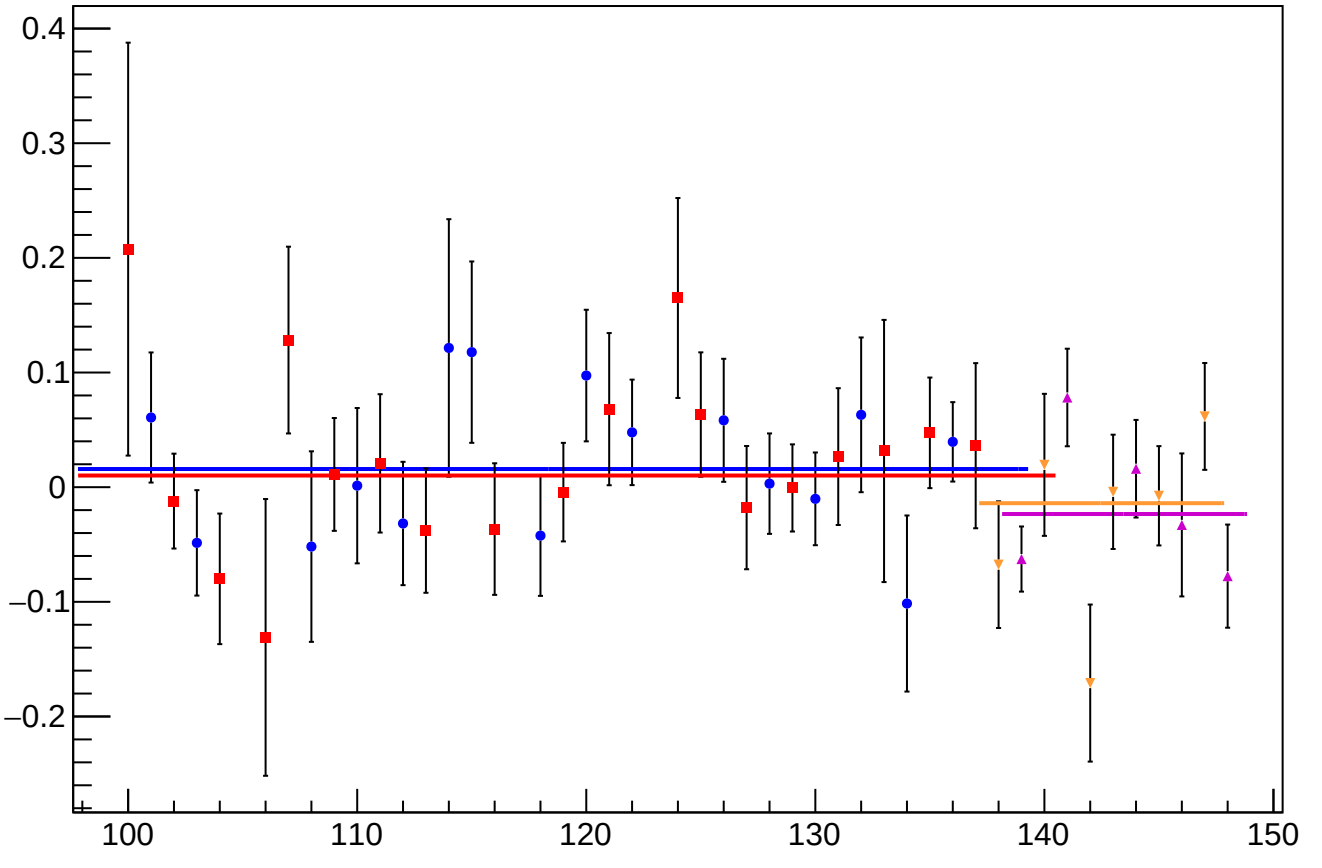
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:361205.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 3069551.4/21

All: 0.002+/-0.000 χ^2/NDF: 7483135.2/45

- sign 0.002+/-0.000 χ^2/NDF: 4215175.7/23



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

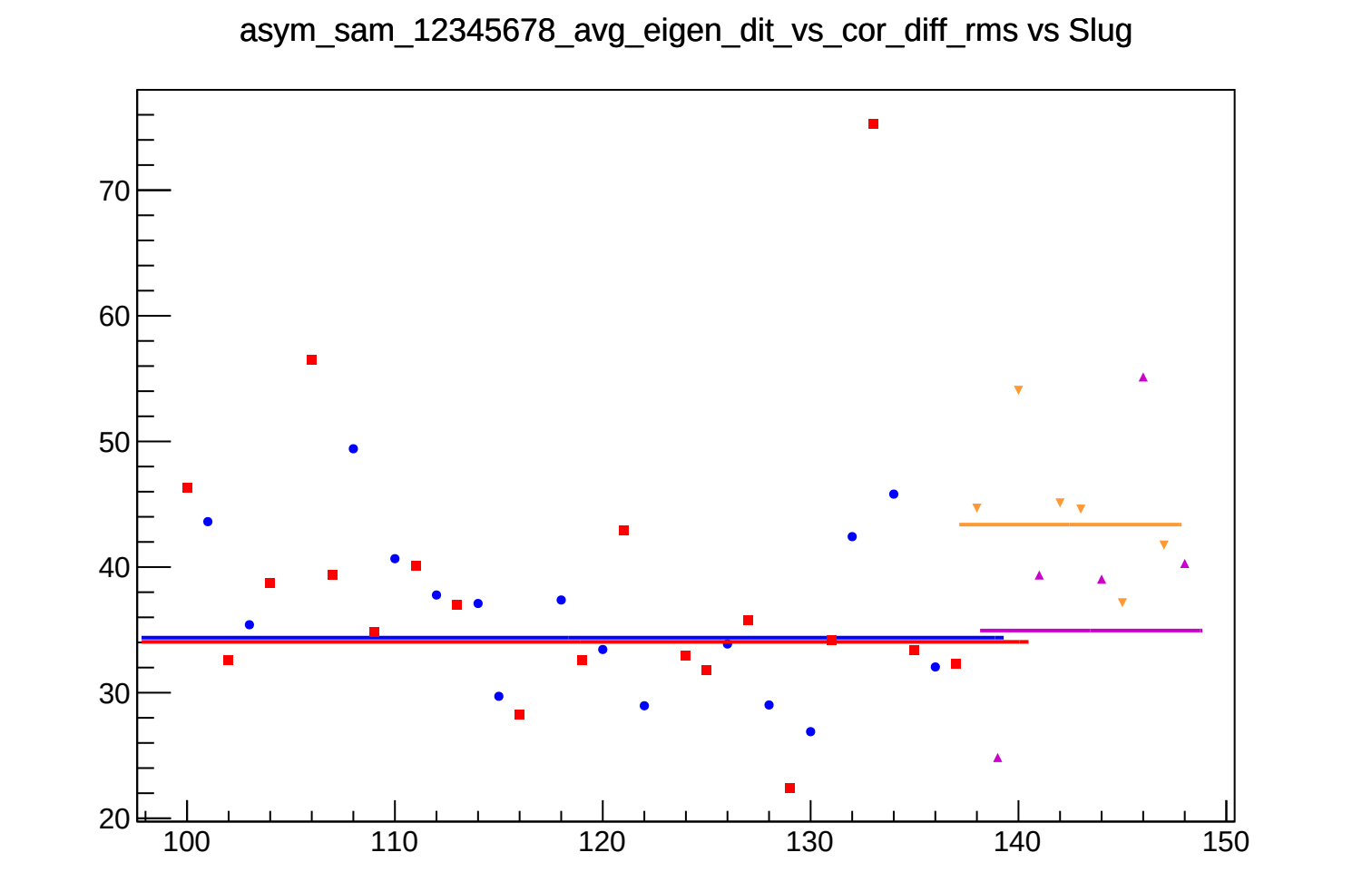
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.003+/-0.008 χ^2/NDF: 53.0/45

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23



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

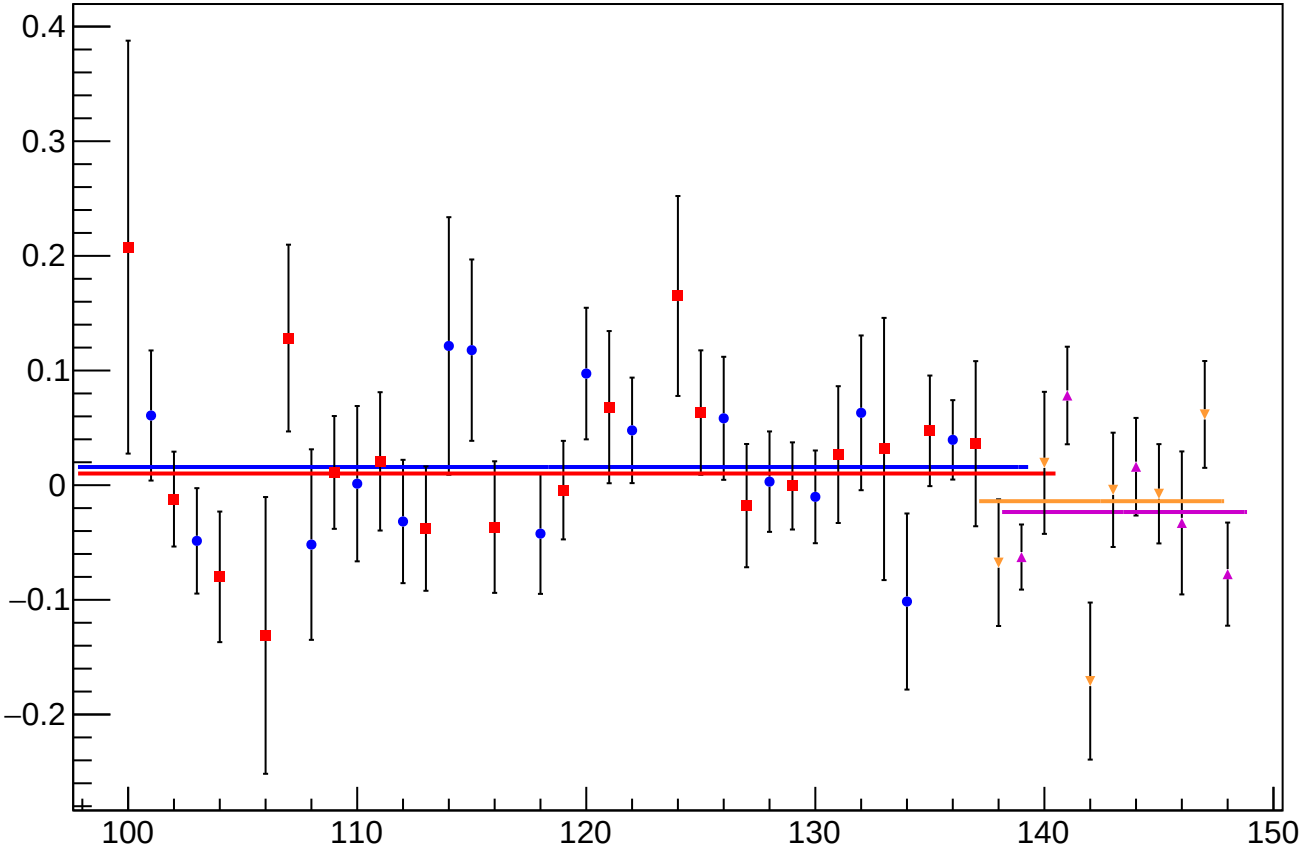
Left In: 34.949+/-0.013 χ^2/NDF:531111.5/4

+ sign 36.926+/-0.008 χ^2/NDF: 730162.0/21

All: 35.563+/-0.005 χ^2/NDF: 1961599.1/45

- sign 34.363+/-0.008 χ^2/NDF: 1177121.6/23

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

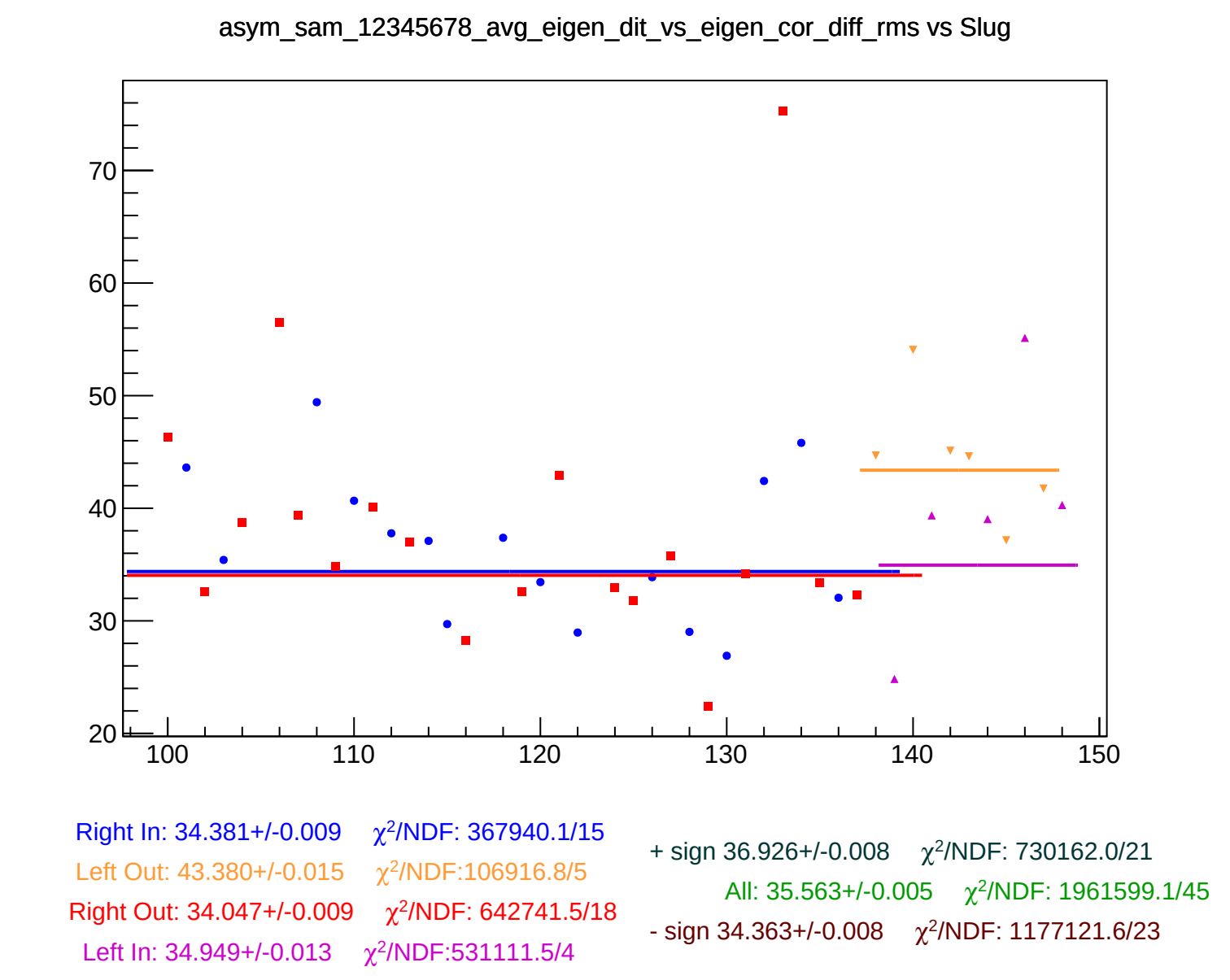
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.007+/-0.011 χ^2/NDF: 25.3/21

All: 0.003+/-0.008 χ^2/NDF: 53.0/45

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
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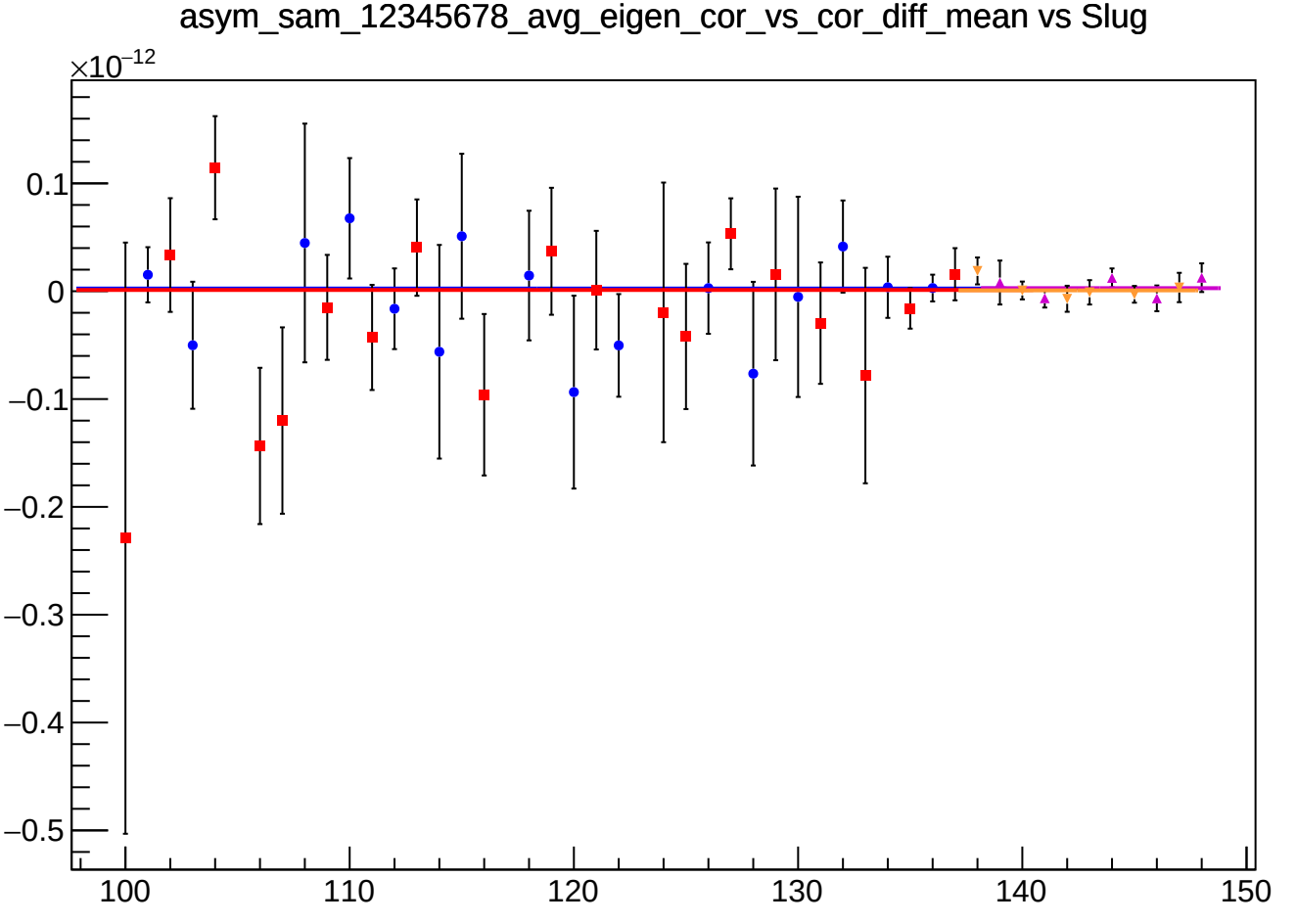
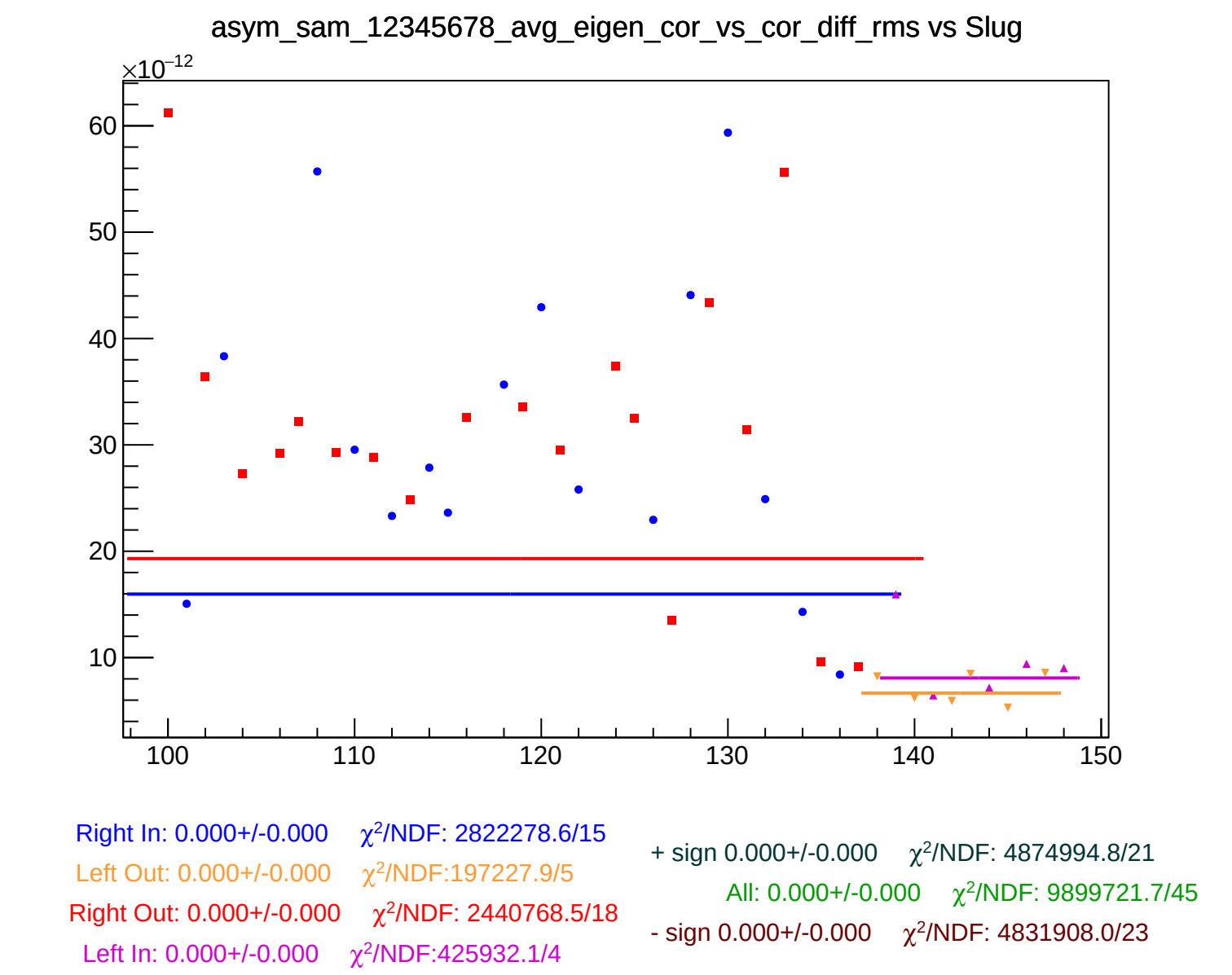
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 43.380+/-0.015 χ²/NDF:106916.8/5
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.949+/-0.013 χ²/NDF:531111.5/4
+ sign 36.926+/-0.008 χ²/NDF: 730162.0/21
All: 35.563+/-0.005 χ²/NDF: 1961599.1/45
- sign 34.363+/-0.008 χ²/NDF: 1177121.6/23


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/18
Left In: 0.000+/-0.000 χ²/NDF:3.6/4
+ sign 0.000+/-0.000 χ²/NDF: 10.5/21
All: 0.000+/-0.000 χ²/NDF: 35.6/45
- sign 0.000+/-0.000 χ²/NDF: 25.1/23


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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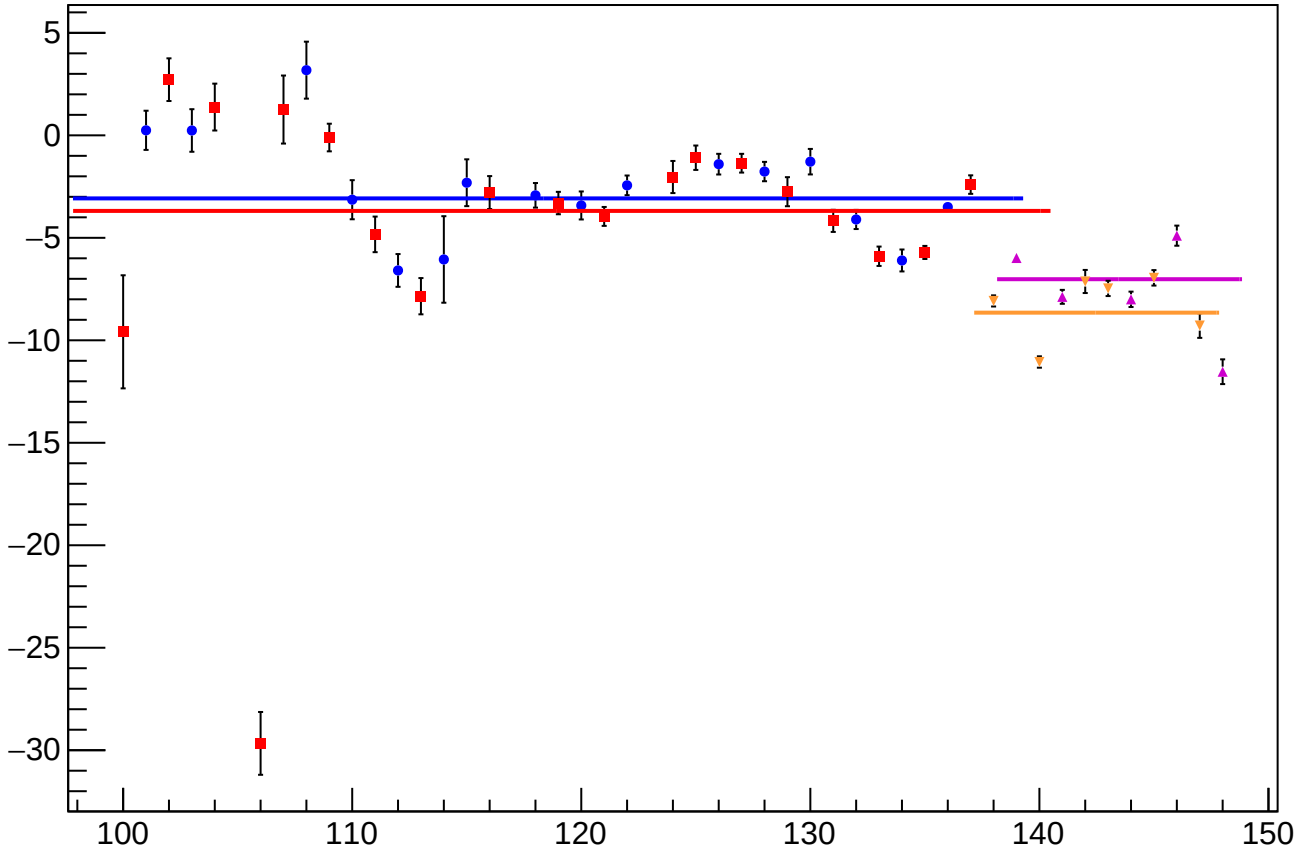
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:197227.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:425932.1/4
+ sign 0.000+/-0.000 χ²/NDF: 4874994.8/21
All: 0.000+/-0.000 χ²/NDF: 9899721.7/45
- sign 0.000+/-0.000 χ²/NDF: 4831908.0/23

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

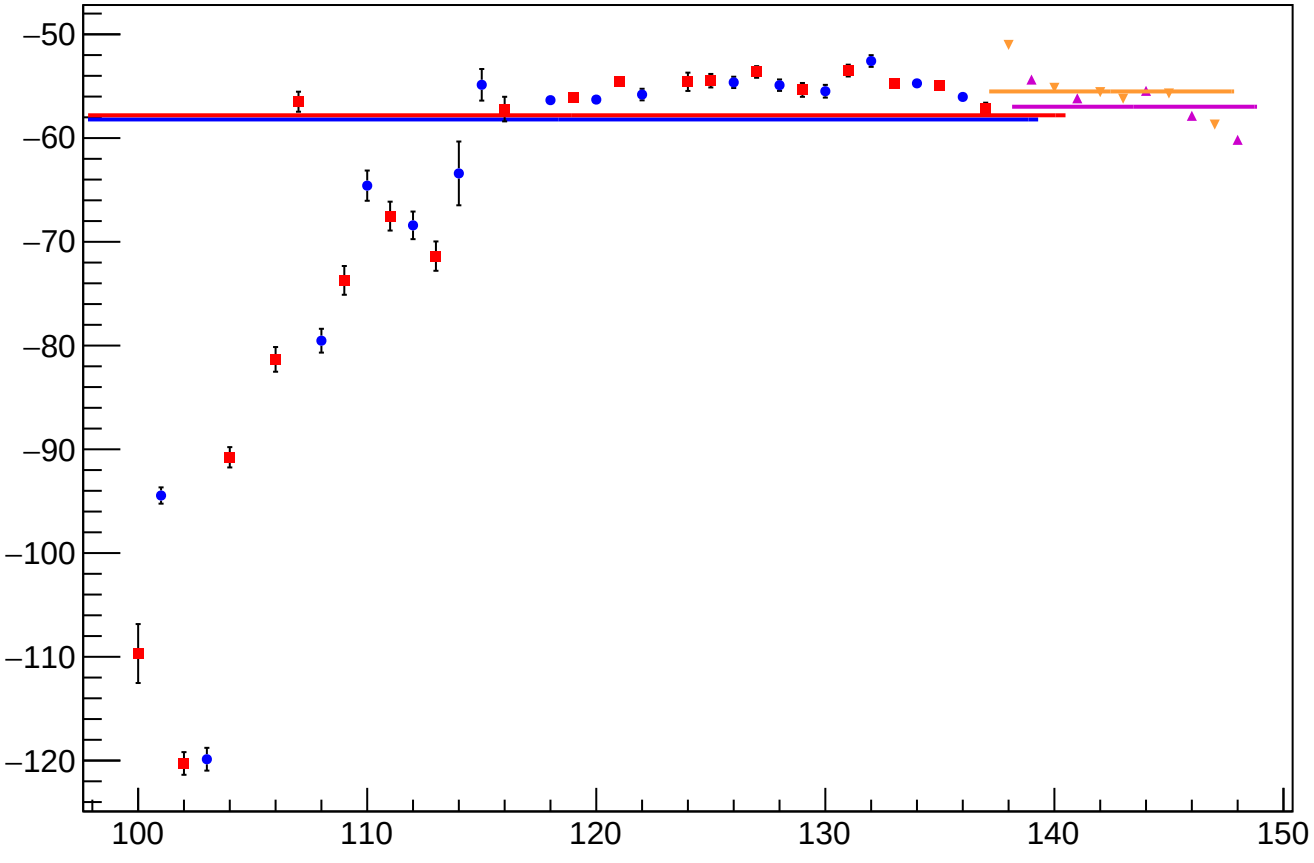
Left In: -7.019+/-0.158 χ^2/NDF:106.5/4

+ sign -5.644+/-0.099 χ^2/NDF: 1034.7/21

All: -5.412+/-0.072 χ^2/NDF: 1936.2/45

- sign -5.154+/-0.105 χ^2/NDF: 890.0/23

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

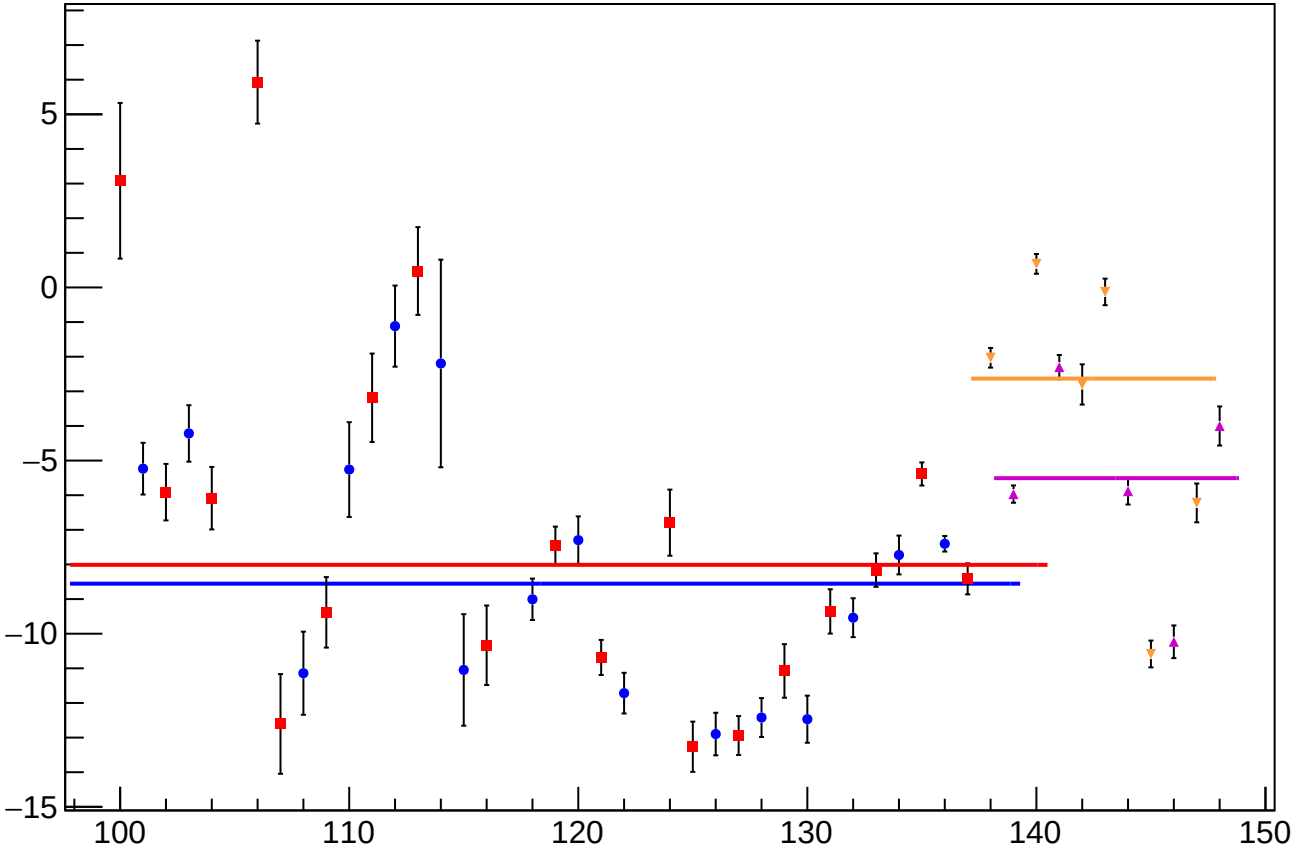
Left In: -56.978+/-0.133 χ^2/NDF:203.4/4

+ sign -56.673+/-0.089 χ^2/NDF: 6694.6/21

All: -56.998+/-0.065 χ^2/NDF: 12737.9/45

- sign -57.375+/-0.096 χ^2/NDF: 6014.6/23

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

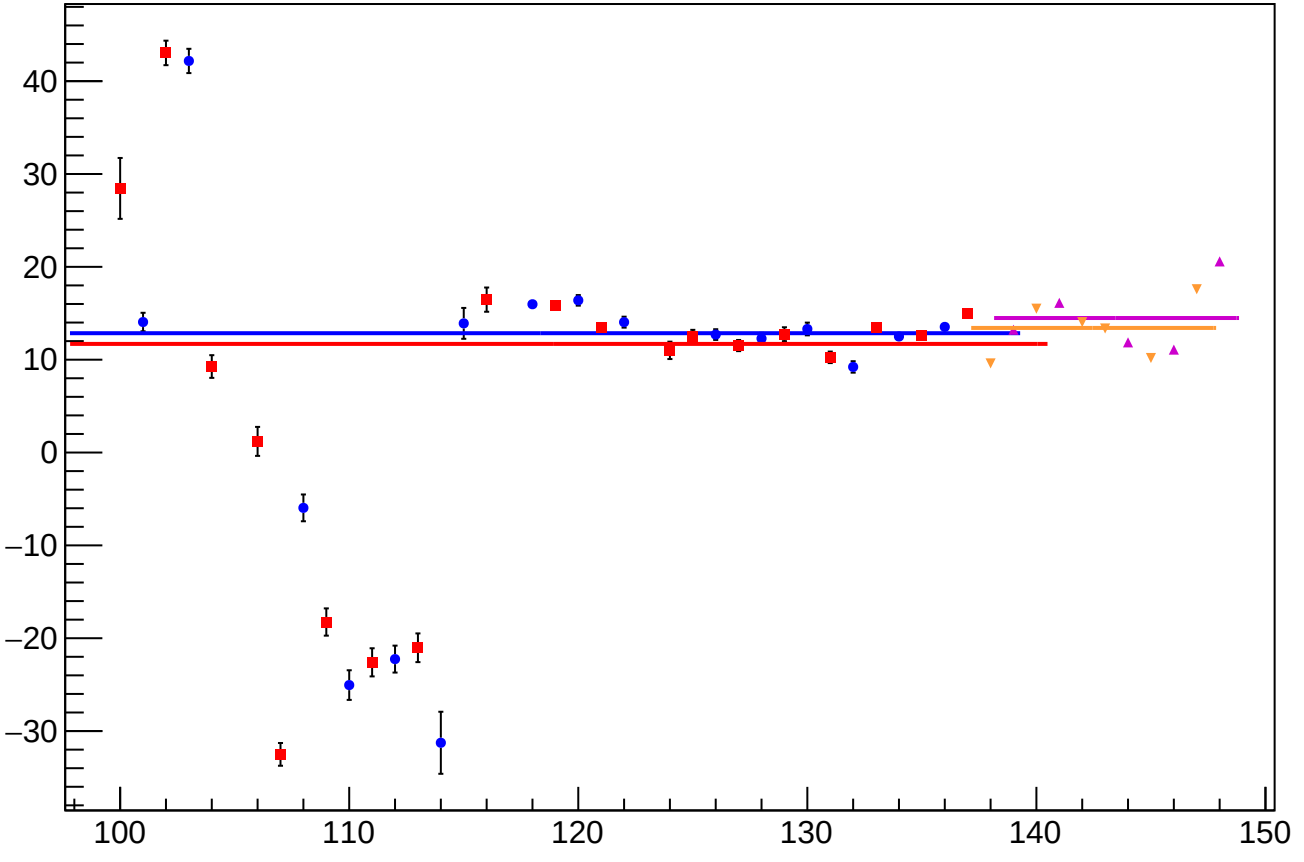
Left In: -5.507+/-0.161 χ^2/NDF:196.2/4

+ sign -5.705+/-0.104 χ^2/NDF: 1752.6/21

All: -6.230+/-0.076 χ^2/NDF: 2619.4/45

- sign -6.825+/-0.111 χ^2/NDF: 812.6/23

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

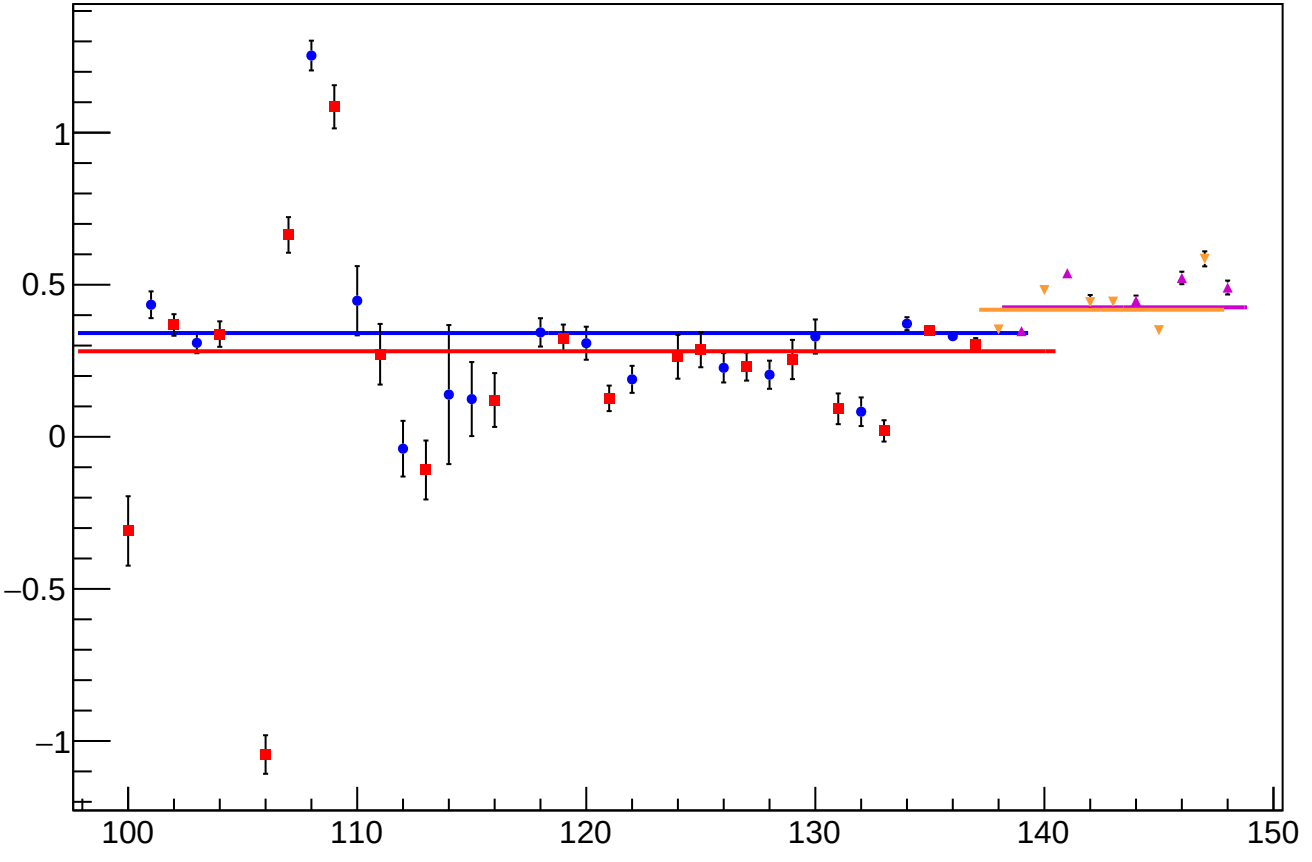
Left In: 14.489+/-0.158 χ^2/NDF:416.4/4

+ sign 13.155+/-0.103 χ^2/NDF: 2515.8/21

All: 13.113+/-0.075 χ^2/NDF: 6589.6/45

- sign 13.063+/-0.111 χ^2/NDF: 4073.5/23

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

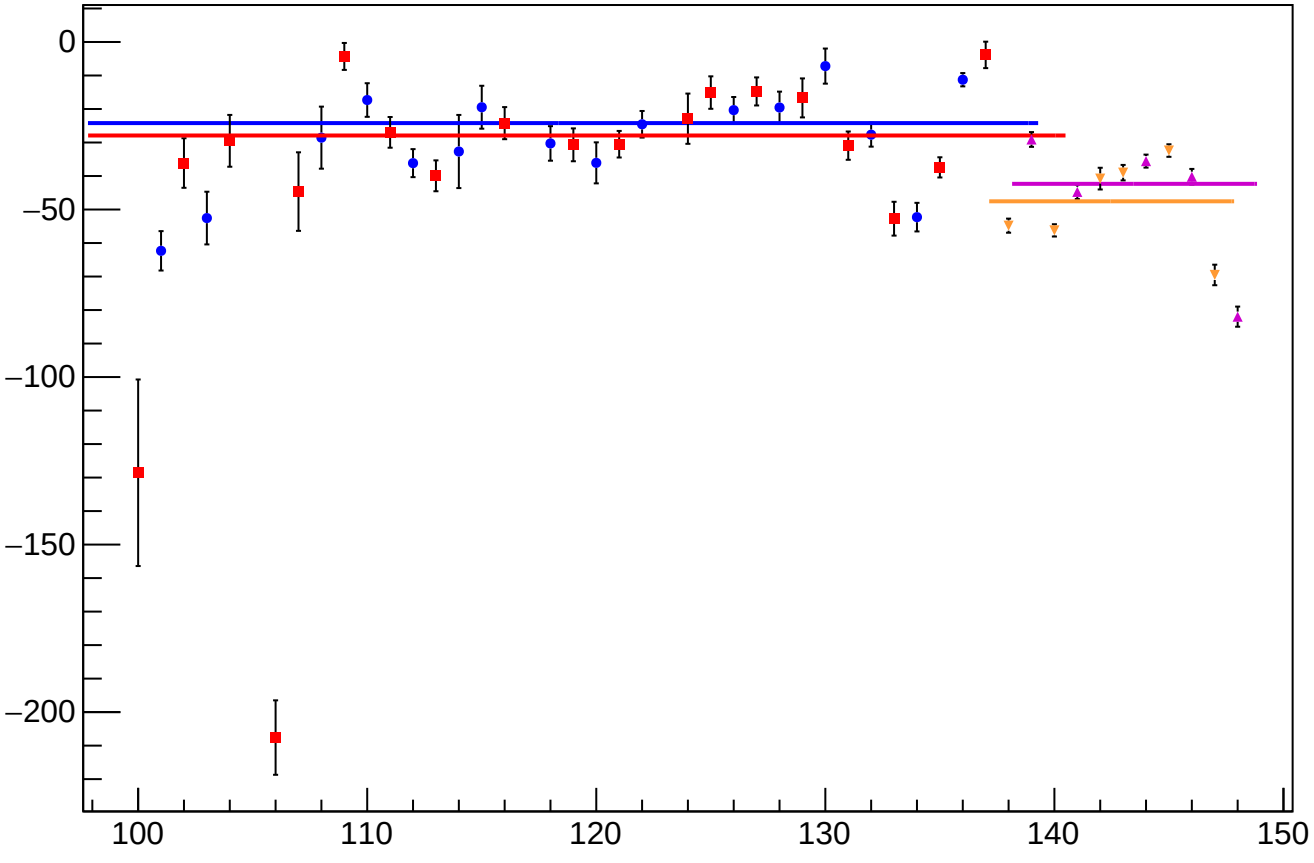
Left In: 0.426+/-0.006 χ^2/NDF:170.9/4

+ sign 0.389+/-0.005 χ^2/NDF: 623.6/21

All: 0.382+/-0.004 χ^2/NDF: 1763.2/45

- sign 0.374+/-0.005 χ^2/NDF: 1135.3/23

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

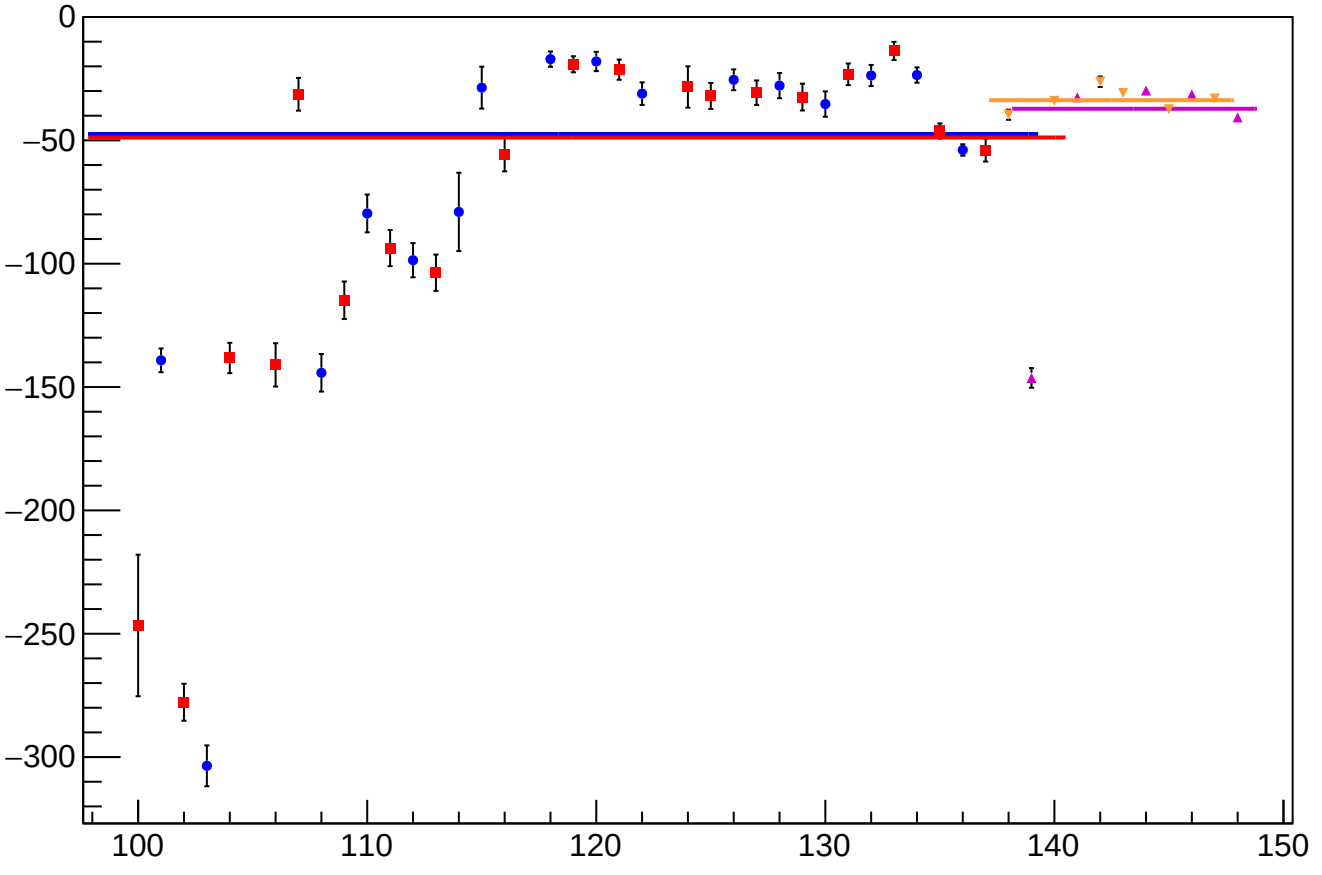
Left In: -42.335+/-1.008 χ^2/NDF:224.2/4

+ sign -37.871+/-0.700 χ^2/NDF: 610.0/21

All: -37.000+/-0.513 χ^2/NDF: 1341.2/45

- sign -35.987+/-0.754 χ^2/NDF: 727.8/23

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

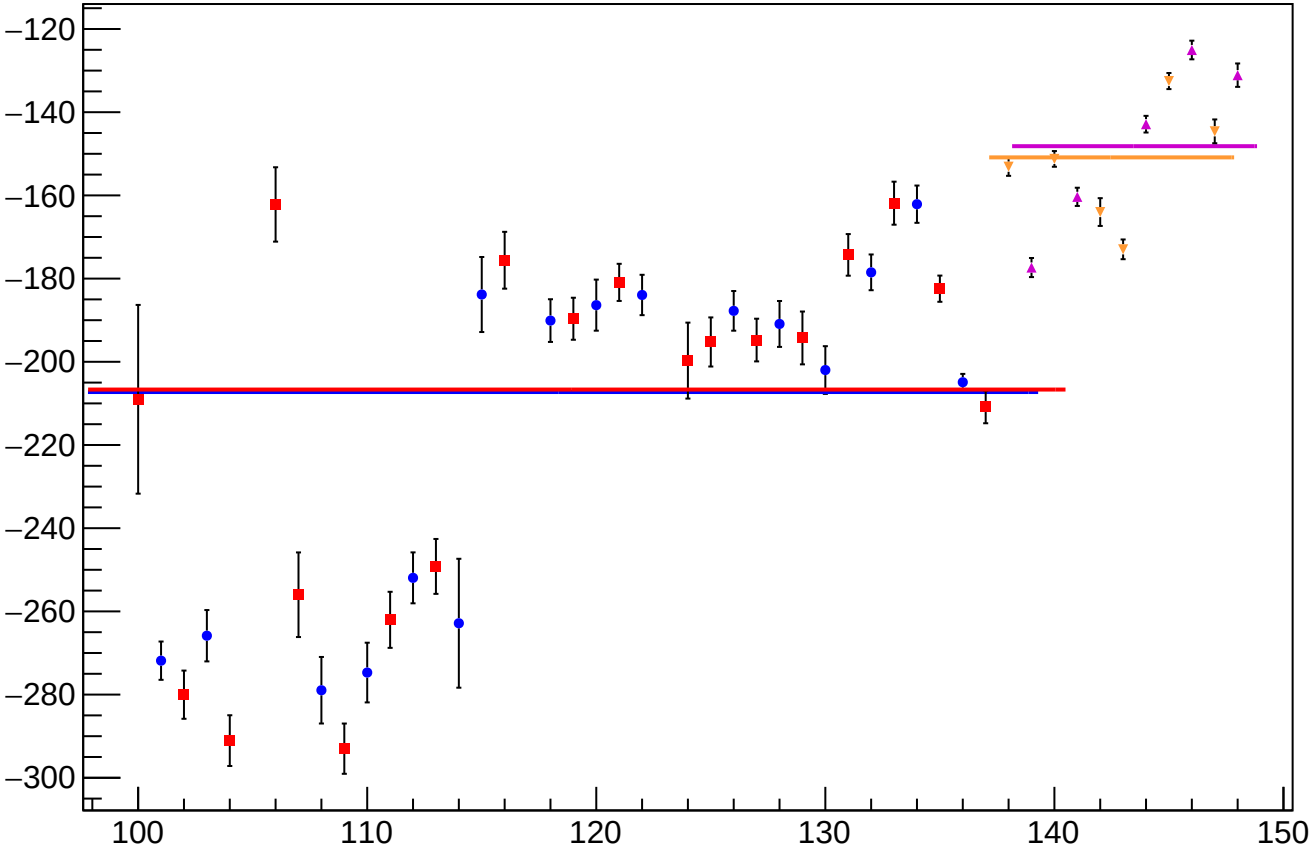
Left In: -37.193+/-0.712 χ^2/NDF:808.9/4

+ sign -37.495+/-0.577 χ^2/NDF: 2015.3/21

All: -38.815+/-0.419 χ^2/NDF: 4681.0/45

- sign -40.287+/-0.610 χ^2/NDF: 2654.6/23

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

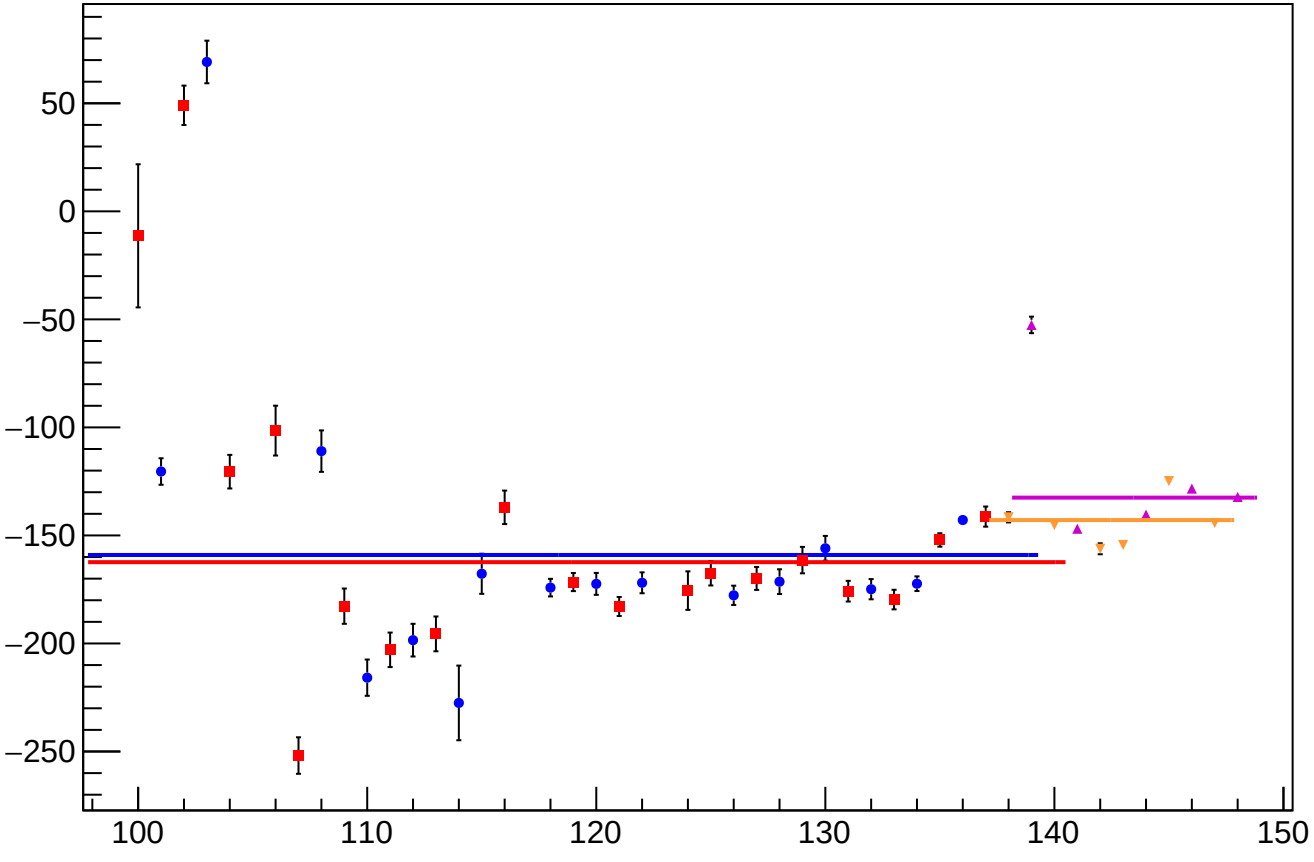
Left In: -148.169+/-1.014 χ^2/NDF:342.7/4

+ sign -172.640+/-0.732 χ^2/NDF: 2353.3/21

All: -171.763+/-0.538 χ^2/NDF: 4953.0/45

- sign -170.731+/-0.795 χ^2/NDF: 2596.6/23

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

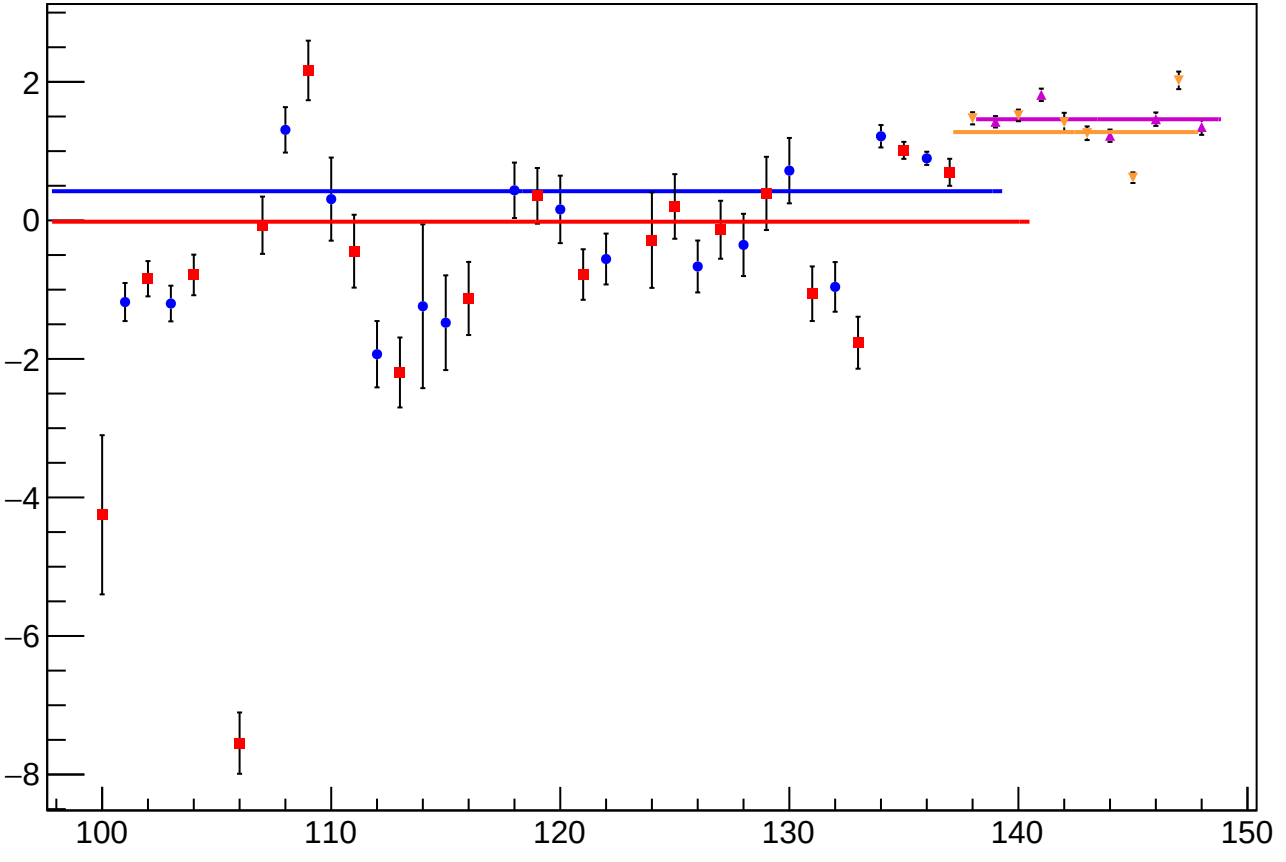
Left In: -132.505+/-0.876 χ^2/NDF:525.1/4

+ sign -147.910+/-0.683 χ^2/NDF: 1104.5/21

All: -144.970+/-0.499 χ^2/NDF: 2895.7/45

- sign -141.601+/-0.731 χ^2/NDF: 1751.4/23

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

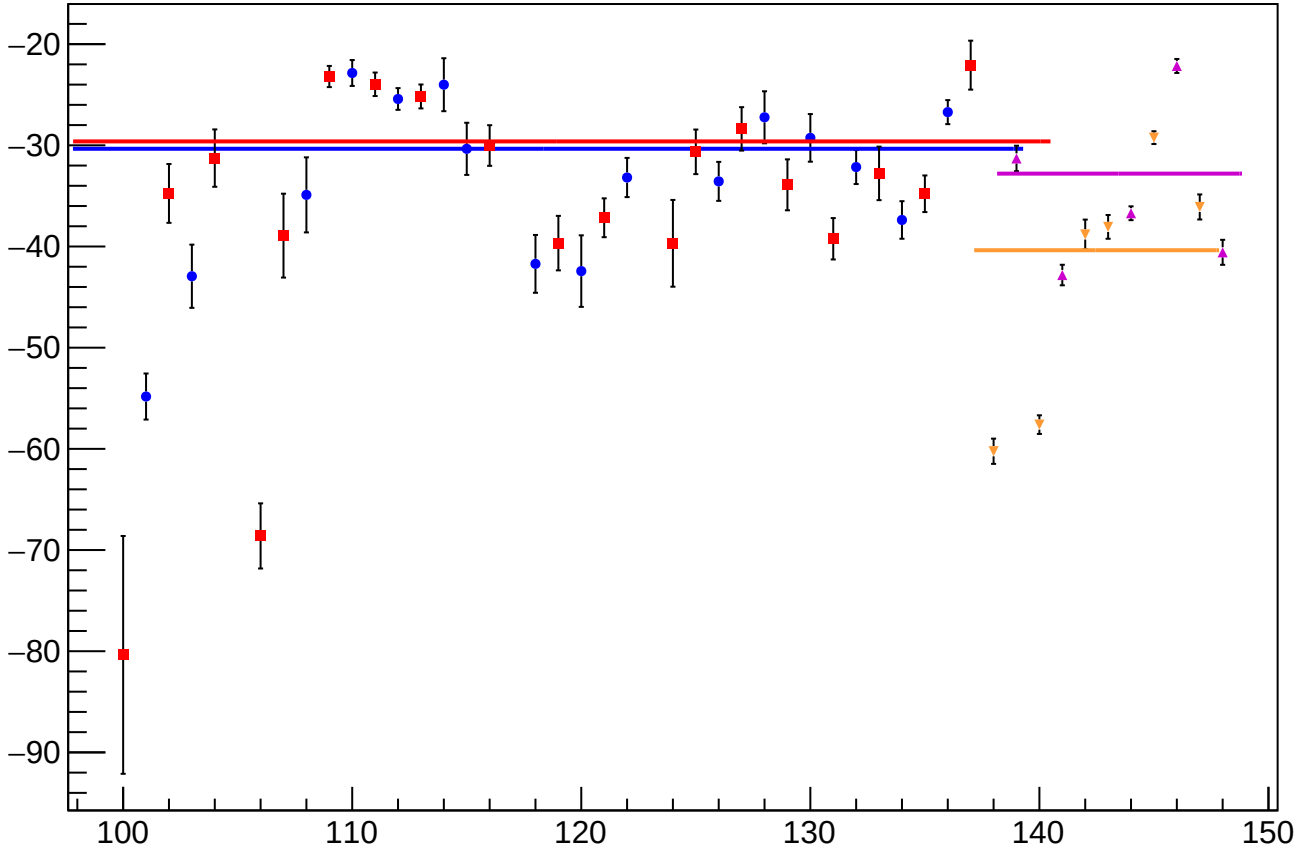
Left In: 1.460+/-0.041 χ^2/NDF:23.8/4

+ sign 1.049+/-0.033 χ^2/NDF: 447.8/21

All: 1.070+/-0.024 χ^2/NDF: 1275.7/45

- sign 1.095+/-0.036 χ^2/NDF: 827.0/23

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

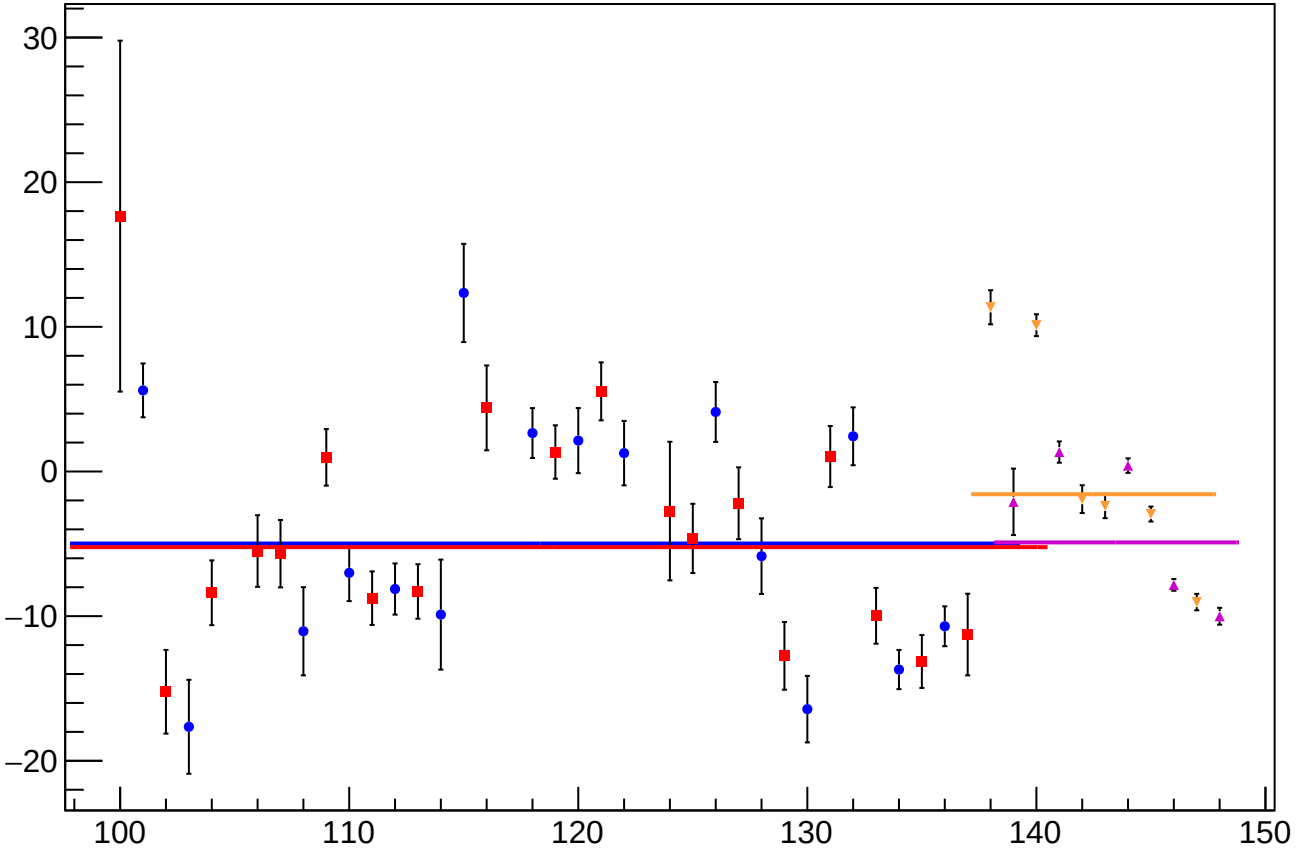
Left In: -32.796+/-0.393 χ^2/NDF:408.4/4

+ sign -36.102+/-0.305 χ^2/NDF: 1448.7/21

All: -33.691+/-0.212 χ^2/NDF: 2335.8/45

- sign -31.422+/-0.296 χ^2/NDF: 765.9/23

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

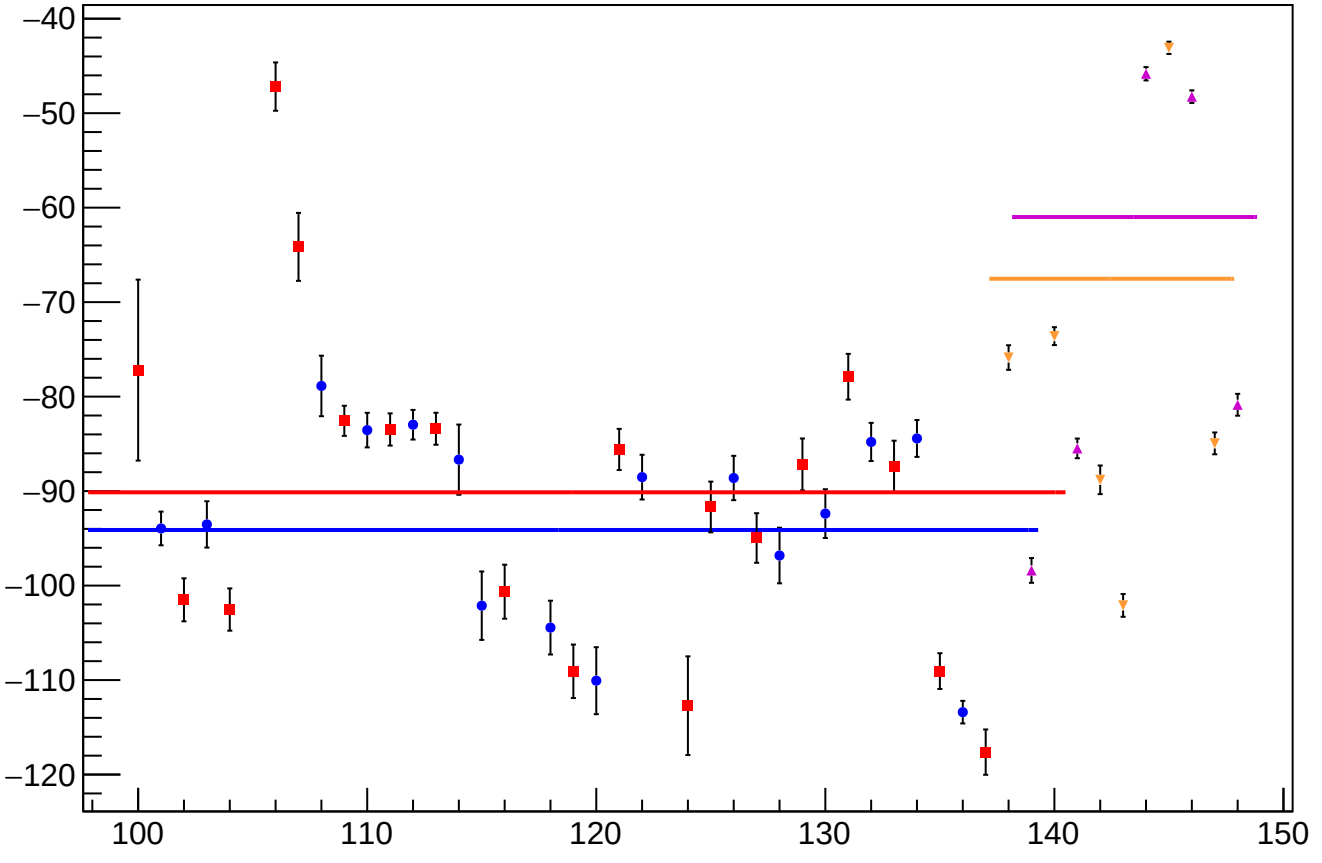
Left In: -4.901+/-0.258 χ^2/NDF:314.1/4

+ sign -2.410+/-0.253 χ^2/NDF: 809.8/21

All: -3.801+/-0.171 χ^2/NDF: 1316.3/45

- sign -4.965+/-0.231 χ^2/NDF: 450.9/23

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

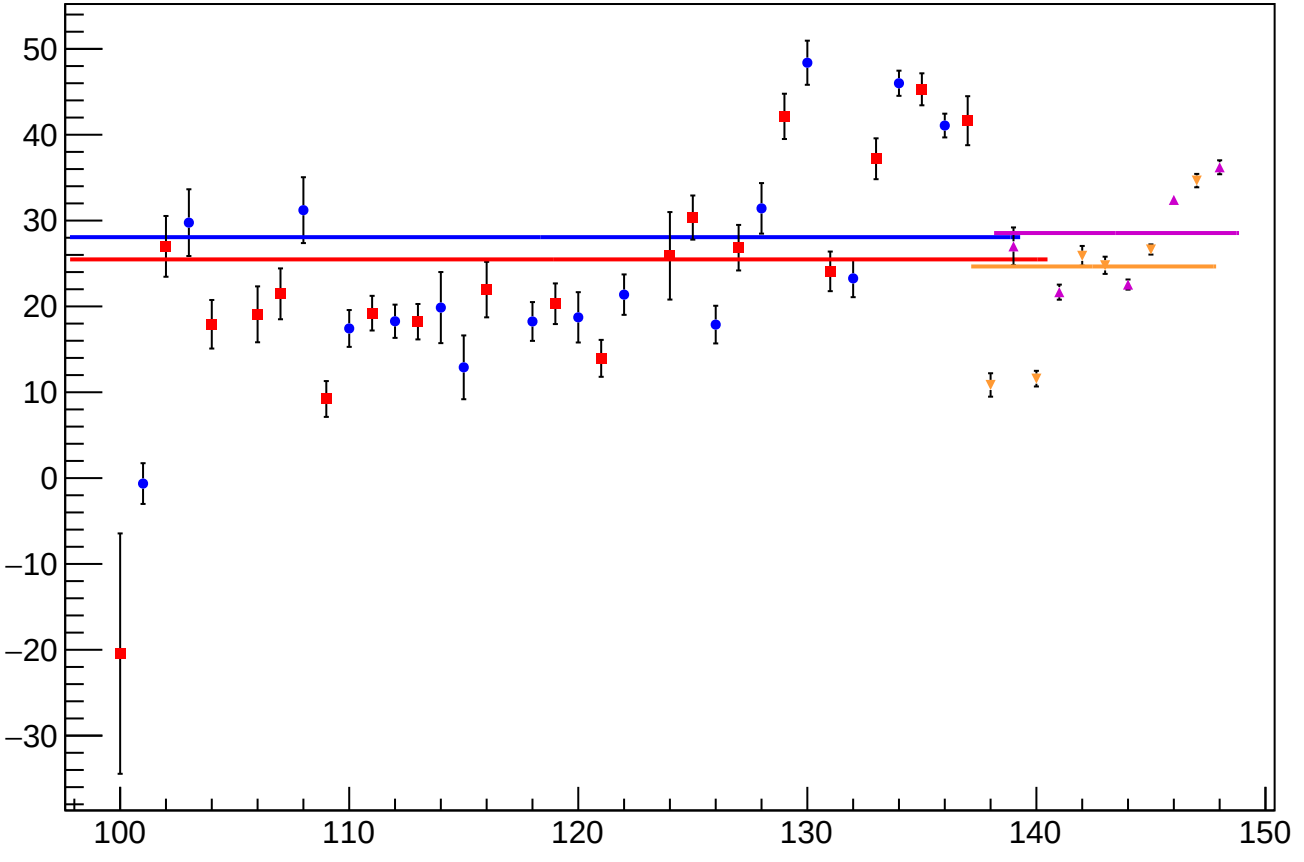
Left In: -60.992+/-0.391 χ^2/NDF:2493.9/4

+ sign -77.324+/-0.326 χ^2/NDF: 4755.1/21

All: -74.057+/-0.227 χ^2/NDF: 10128.6/45

- sign -70.958+/-0.318 χ^2/NDF: 5177.8/23

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

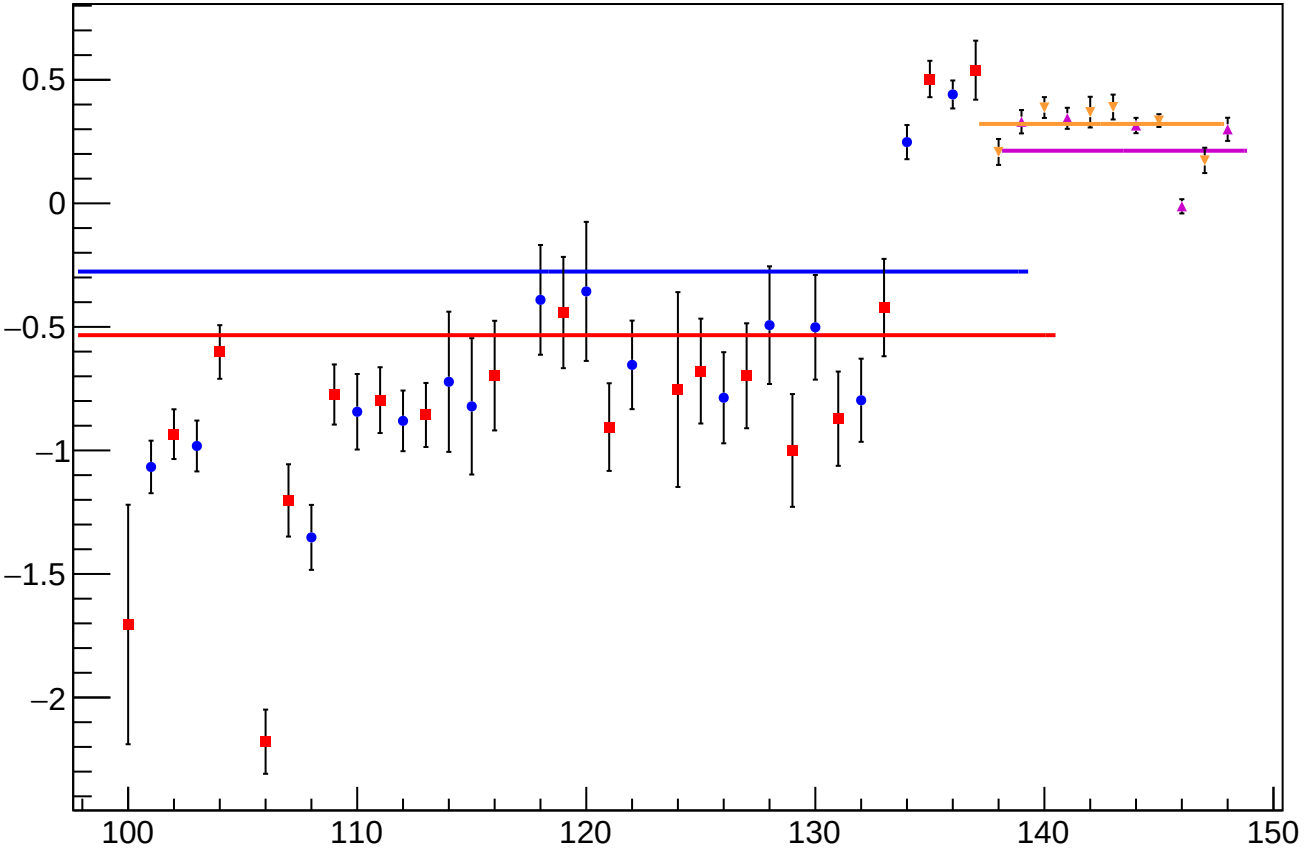
Left In: 28.549+/-0.321 χ^2/NDF:311.4/4

+ sign 25.607+/-0.301 χ^2/NDF: 1093.4/21

All: 26.800+/-0.206 χ^2/NDF: 1809.9/45

- sign 27.849+/-0.282 χ^2/NDF: 686.9/23

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

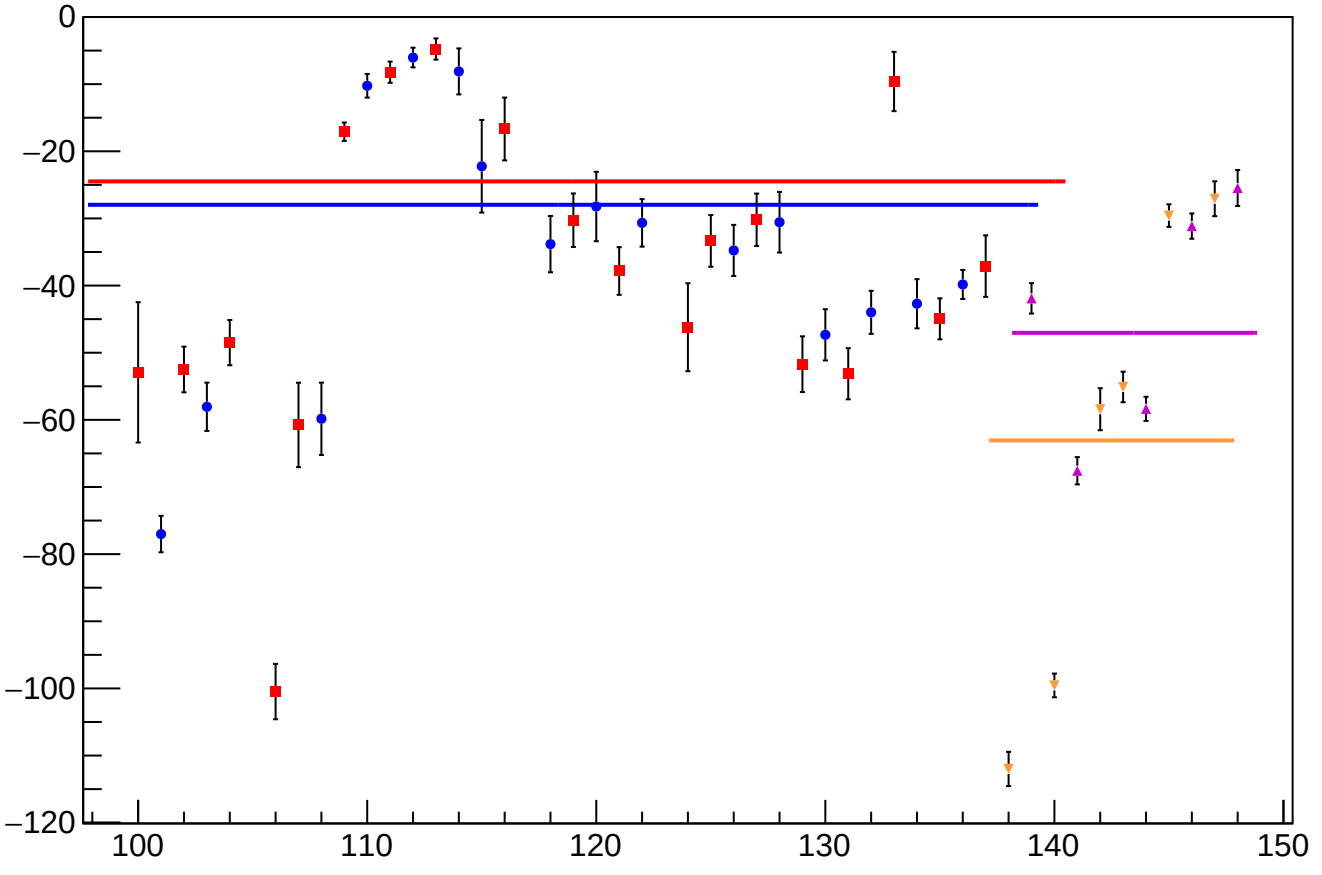
Left In: 0.213+/-0.016 χ^2/NDF:90.6/4

+ sign 0.181+/-0.015 χ^2/NDF: 764.6/21

All: 0.121+/-0.010 χ^2/NDF: 1810.1/45

- sign 0.063+/-0.015 χ^2/NDF: 1013.9/23

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

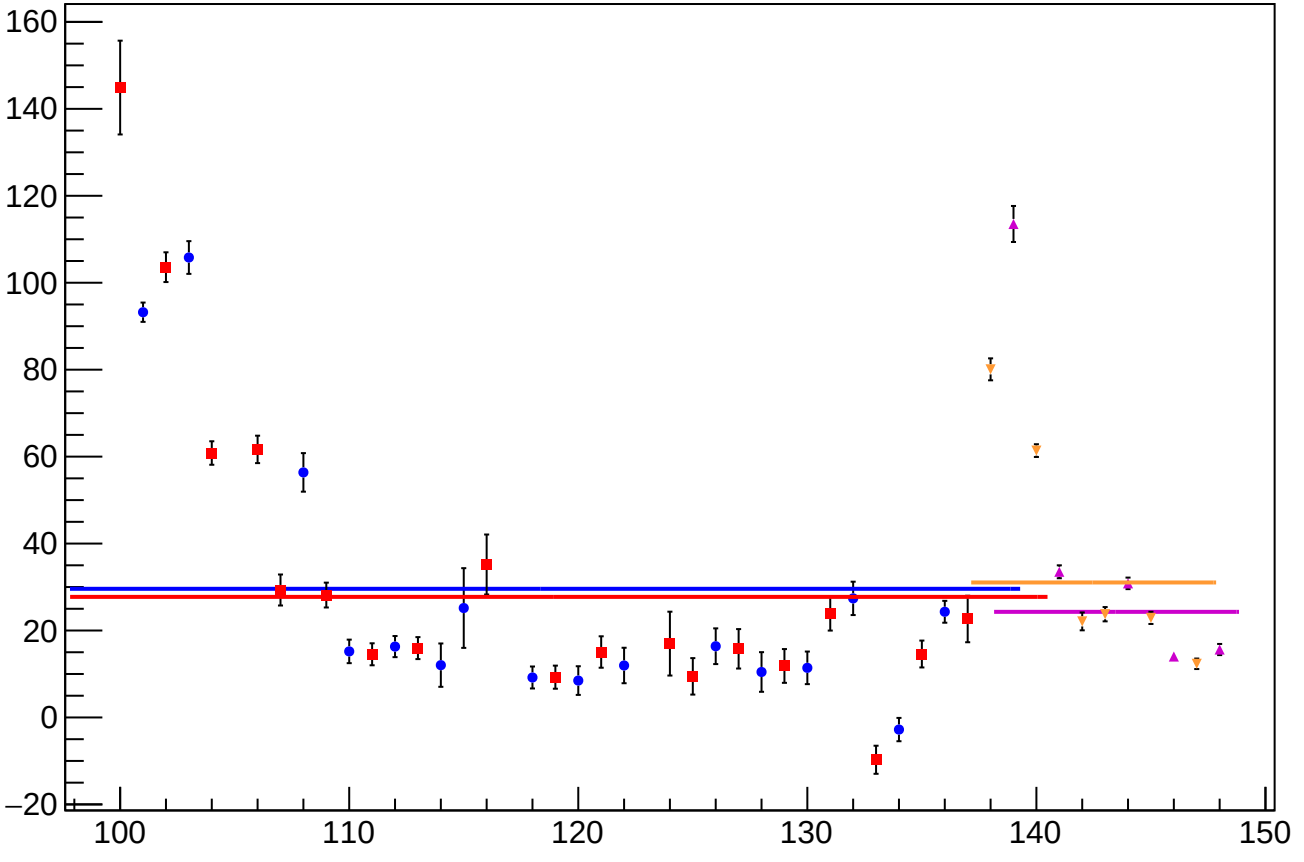
Left In: -47.040+/-0.924 χ^2/NDF:283.5/4

+ sign -42.097+/-0.562 χ^2/NDF: 3231.1/21

All: -36.906+/-0.389 χ^2/NDF: 5060.8/45

- sign -32.144+/-0.539 χ^2/NDF: 1666.4/23

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

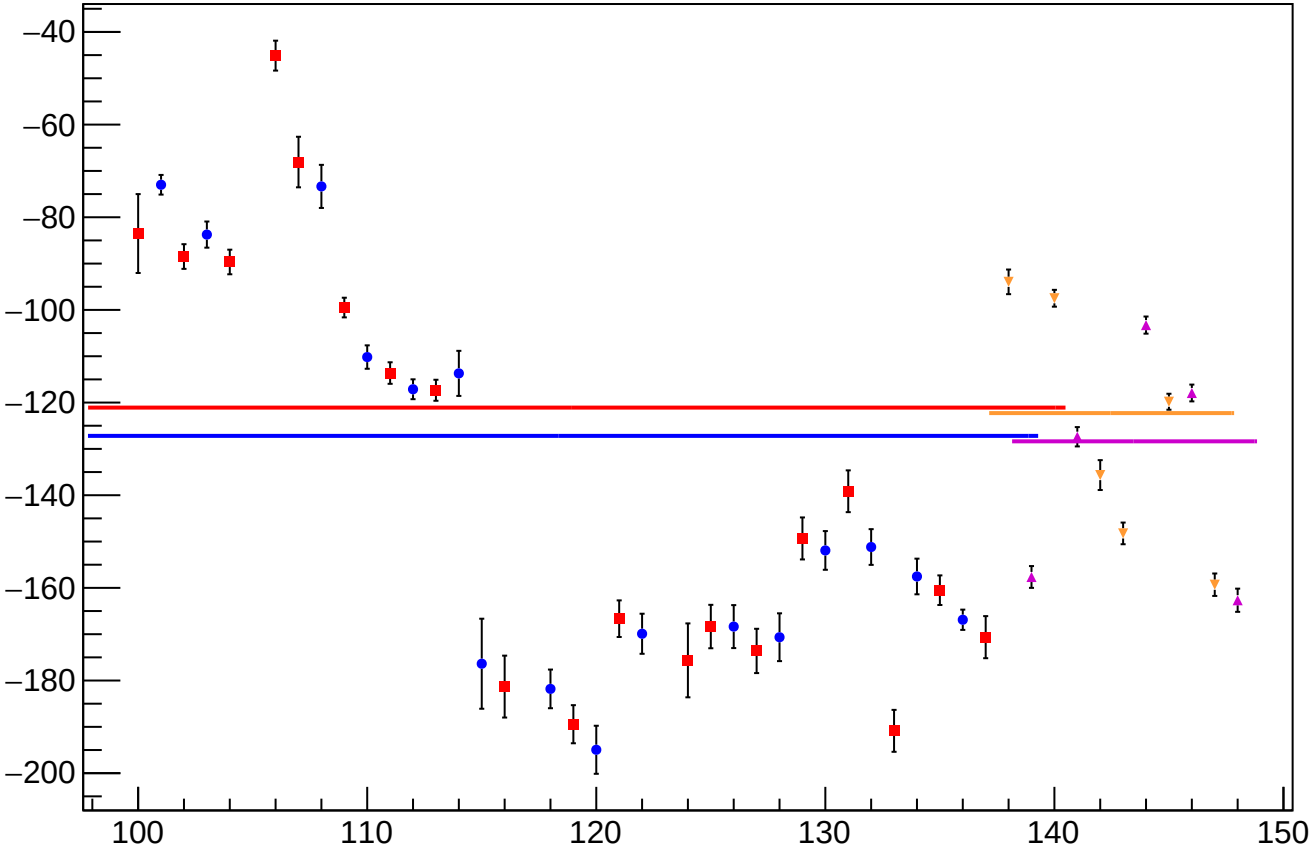
Left In: 24.294+/-0.639 χ^2/NDF:652.9/4

+ sign 30.485+/-0.503 χ^2/NDF: 2784.8/21

All: 28.043+/-0.354 χ^2/NDF: 4681.0/45

- sign 25.641+/-0.498 χ^2/NDF: 1849.3/23

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

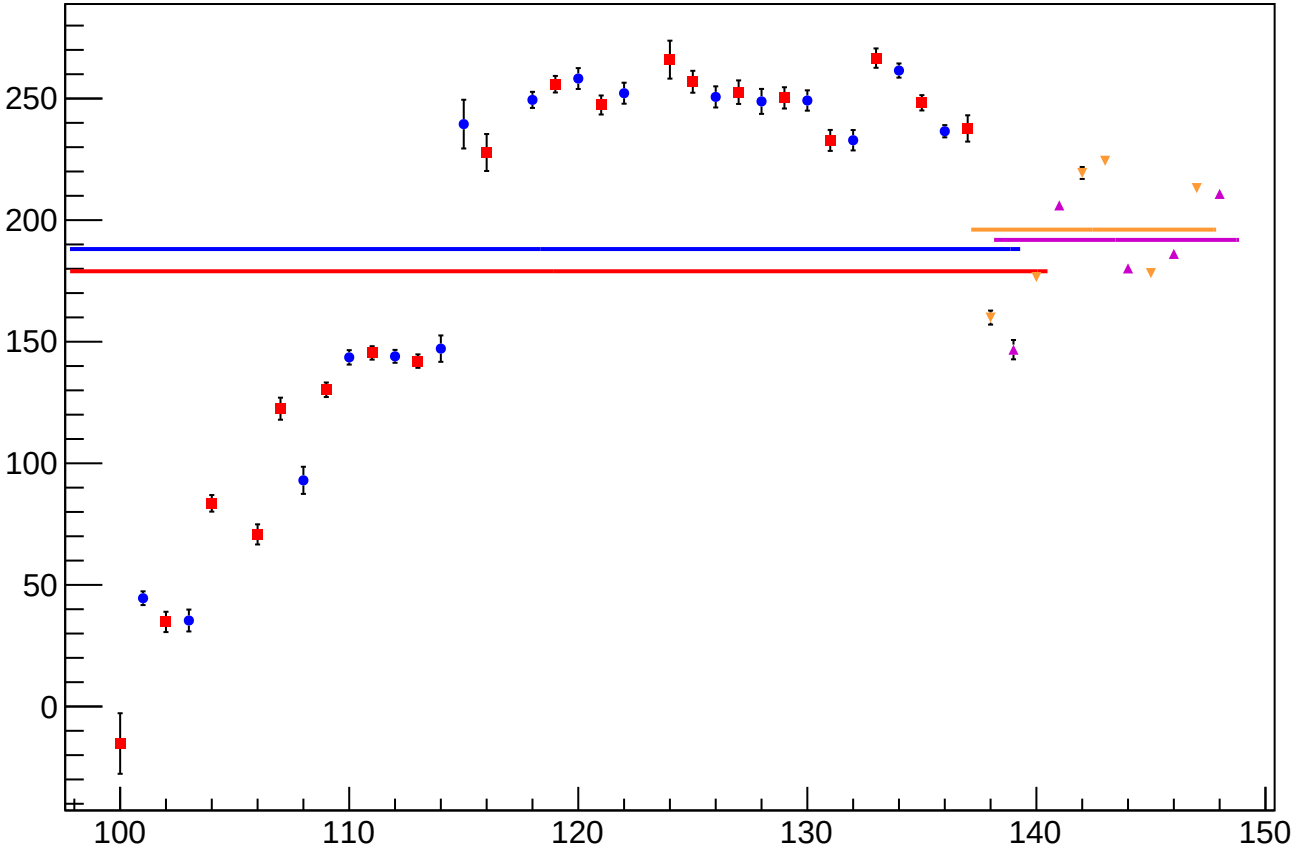
Left In: -128.369+/-0.926 χ^2/NDF:559.8/4

+ sign -124.936+/-0.610 χ^2/NDF: 2870.3/21

All: -124.559+/-0.429 χ^2/NDF: 5863.7/45

- sign -124.190+/-0.604 χ^2/NDF: 2992.7/23

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

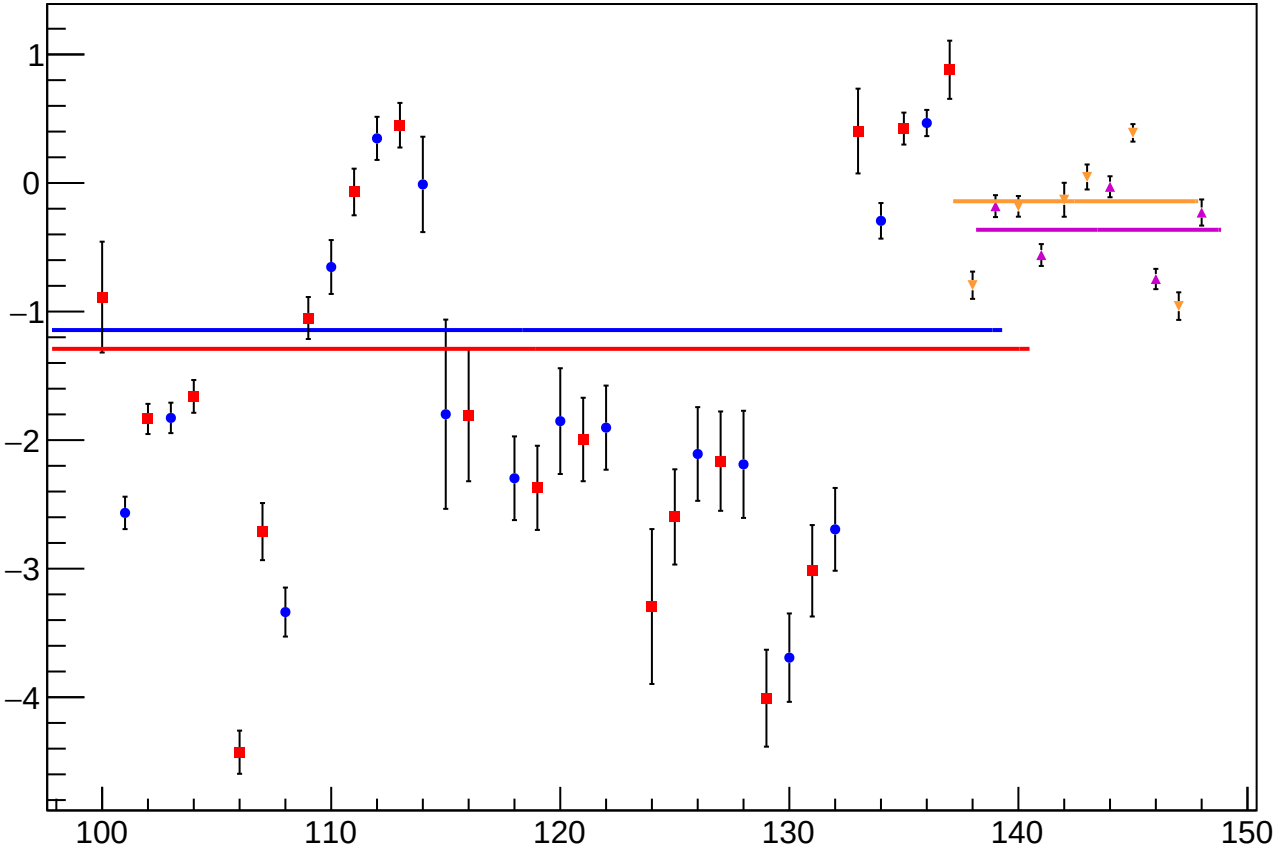
Left In: 191.876+/-0.787 χ^2/NDF:380.7/4

+ sign 192.732+/-0.596 χ^2/NDF: 7976.0/21

All: 189.531+/-0.421 χ^2/NDF: 15198.6/45

- sign 186.339+/-0.595 χ^2/NDF: 7164.8/23

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

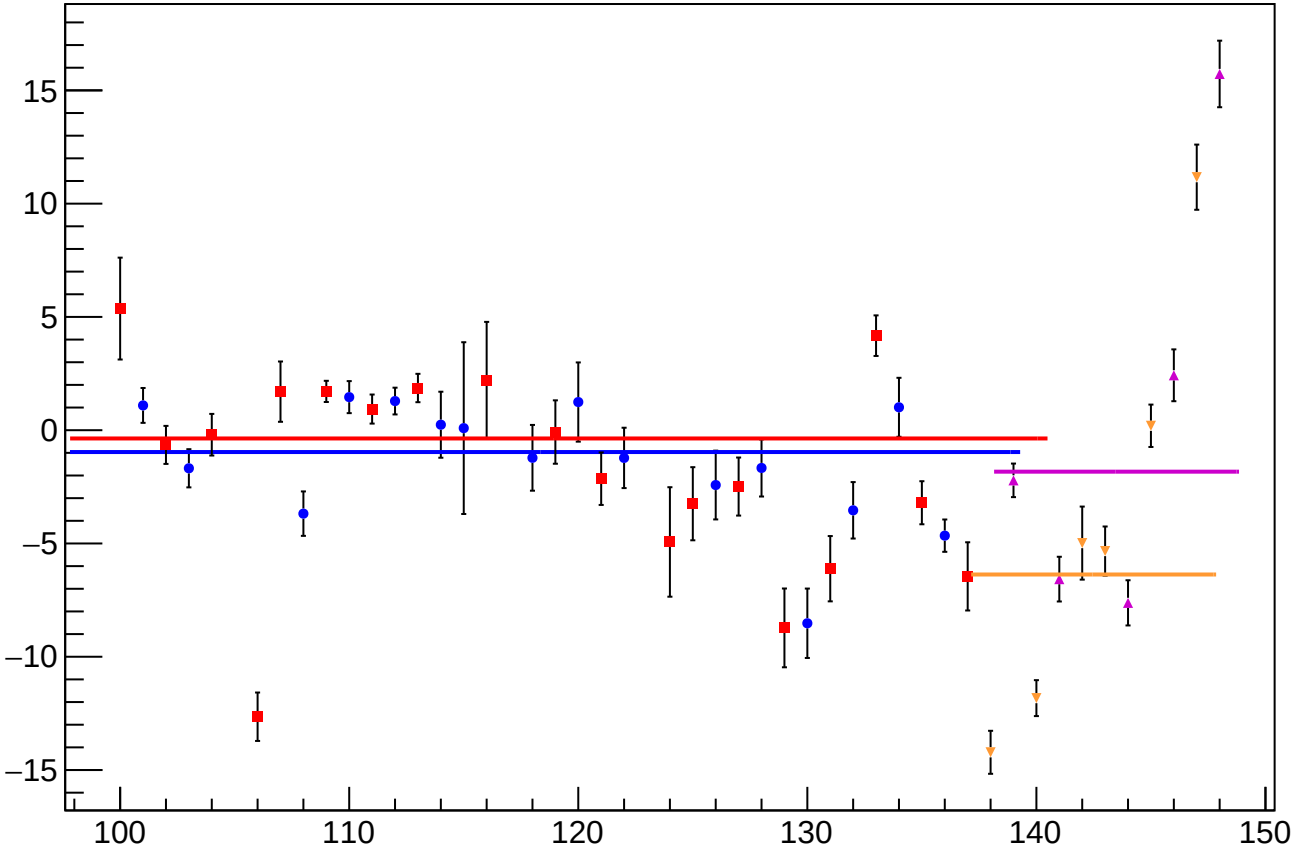
Left In: -0.364+/-0.038 χ^2/NDF:52.1/4

+ sign -0.522+/-0.030 χ^2/NDF: 1218.2/21

All: -0.625+/-0.021 χ^2/NDF: 2523.6/45

- sign -0.729+/-0.030 χ^2/NDF: 1281.2/23

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

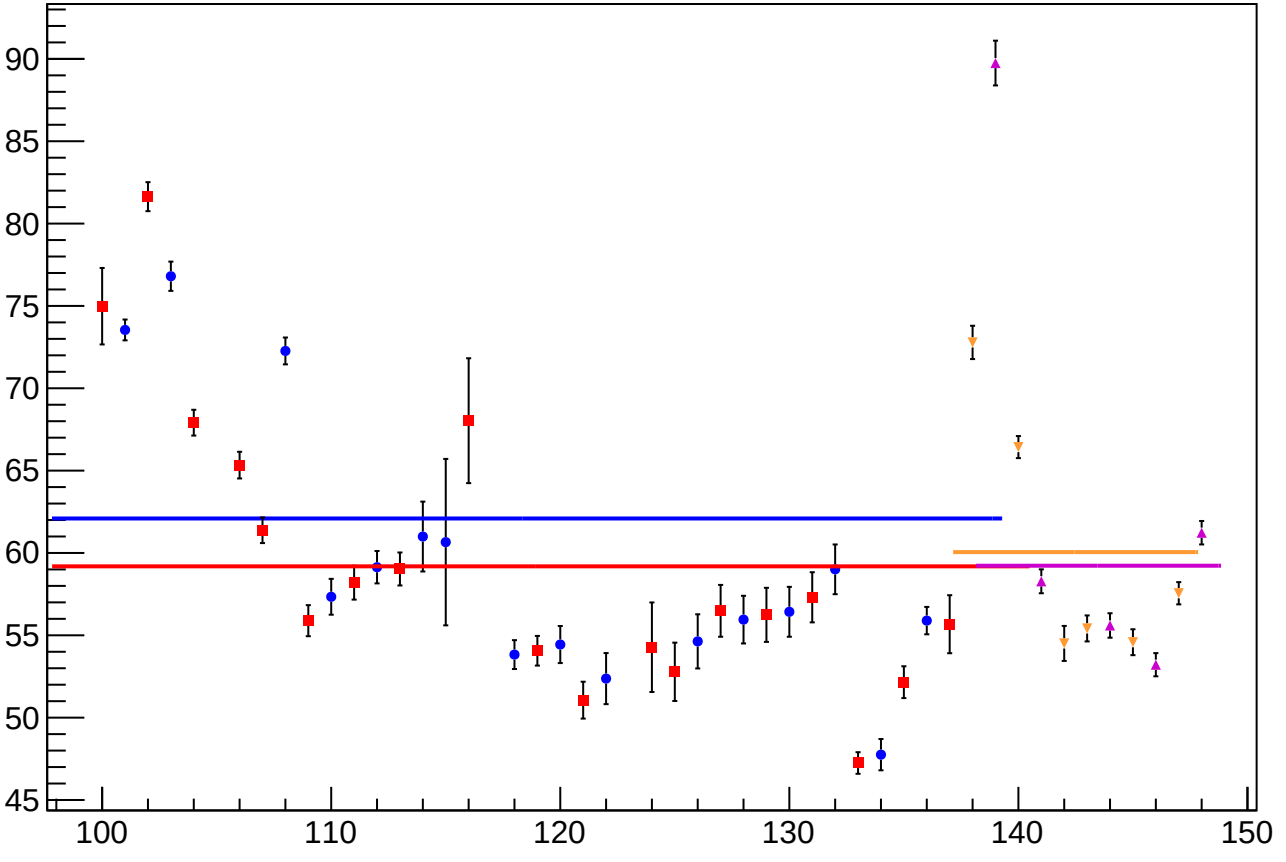
Left In: -1.831+/-0.444 χ^2/NDF:213.7/4

+ sign -2.385+/-0.217 χ^2/NDF: 538.2/21

All: -1.451+/-0.147 χ^2/NDF: 1075.3/45

- sign -0.662+/-0.200 χ^2/NDF: 503.0/23

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

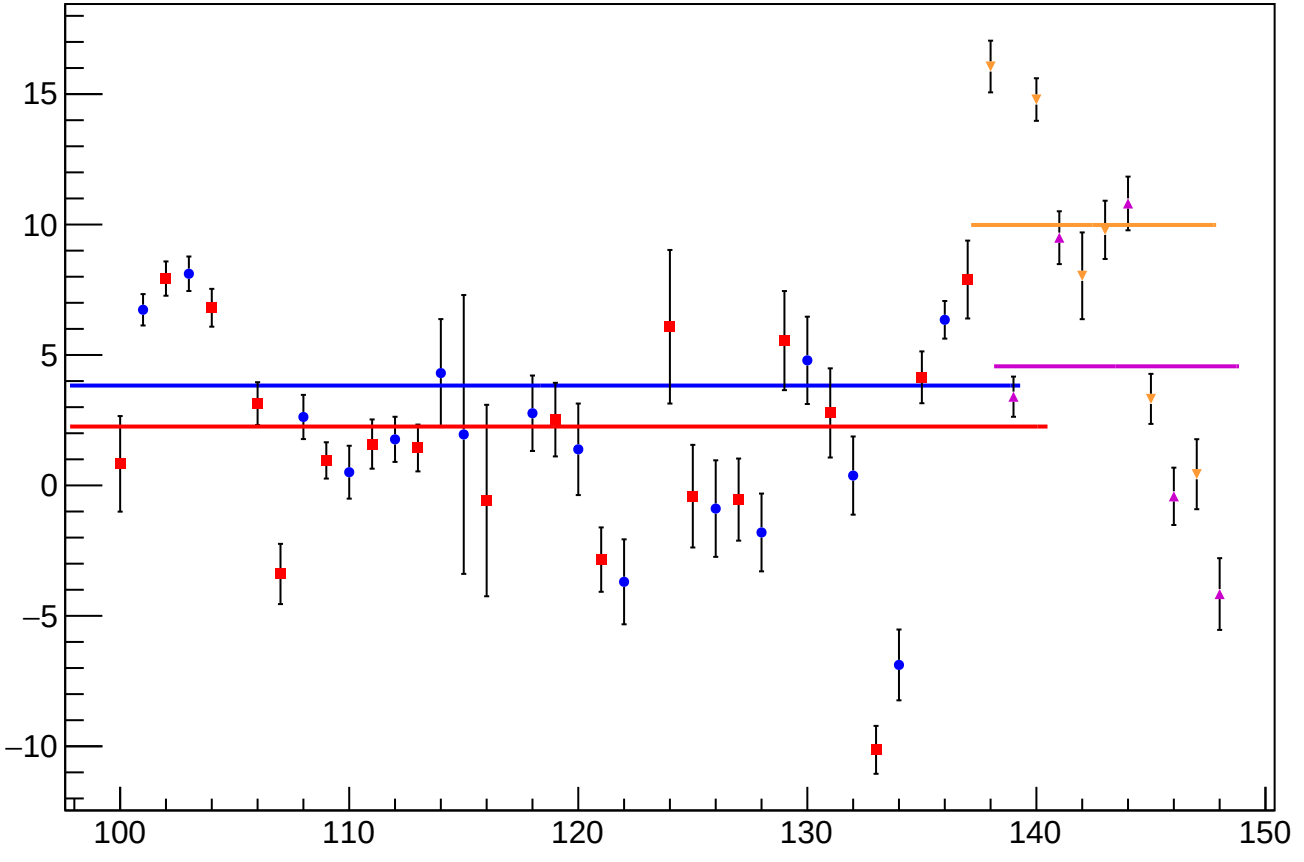
Left In: 59.225+/-0.348 χ^2/NDF:610.7/4

+ sign 61.275+/-0.205 χ^2/NDF: 1697.7/21

All: 60.209+/-0.143 χ^2/NDF: 3763.0/45

- sign 59.200+/-0.200 χ^2/NDF: 2012.8/23

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

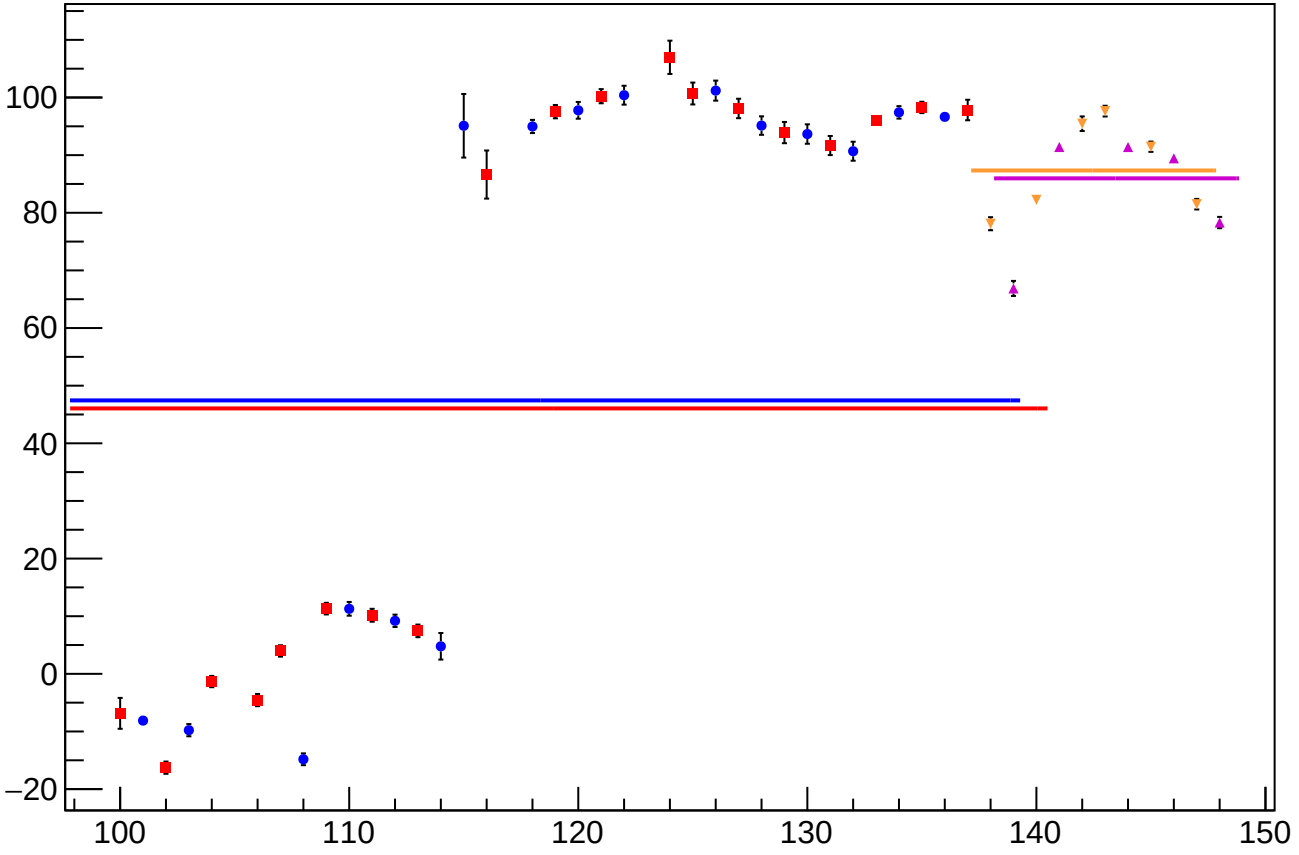
Left In: 4.565+/-0.449 χ^2/NDF:123.7/4

\+ sign 5.506+/-0.226 χ^2/NDF: 528.1/21

All: 4.086+/-0.156 χ^2/NDF: 1119.4/45

\- sign 2.791+/-0.216 χ^2/NDF: 516.0/23

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

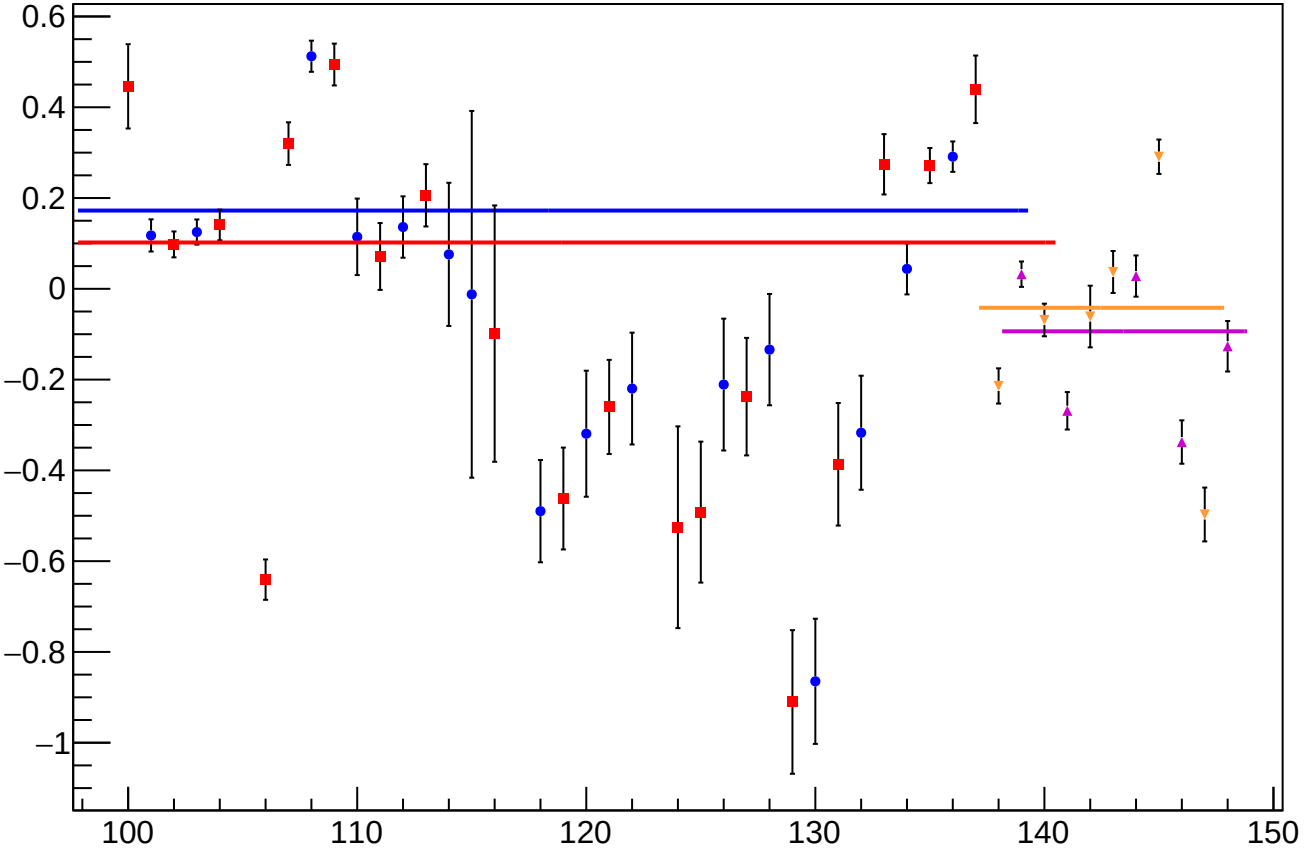
Left In: 85.970+/-0.421 χ^2/NDF:370.9/4

+ sign 62.735+/-0.242 χ^2/NDF: 33647.5/21

All: 60.597+/-0.169 χ^2/NDF: 69243.8/45

- sign 58.569+/-0.236 χ^2/NDF: 35444.1/23

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

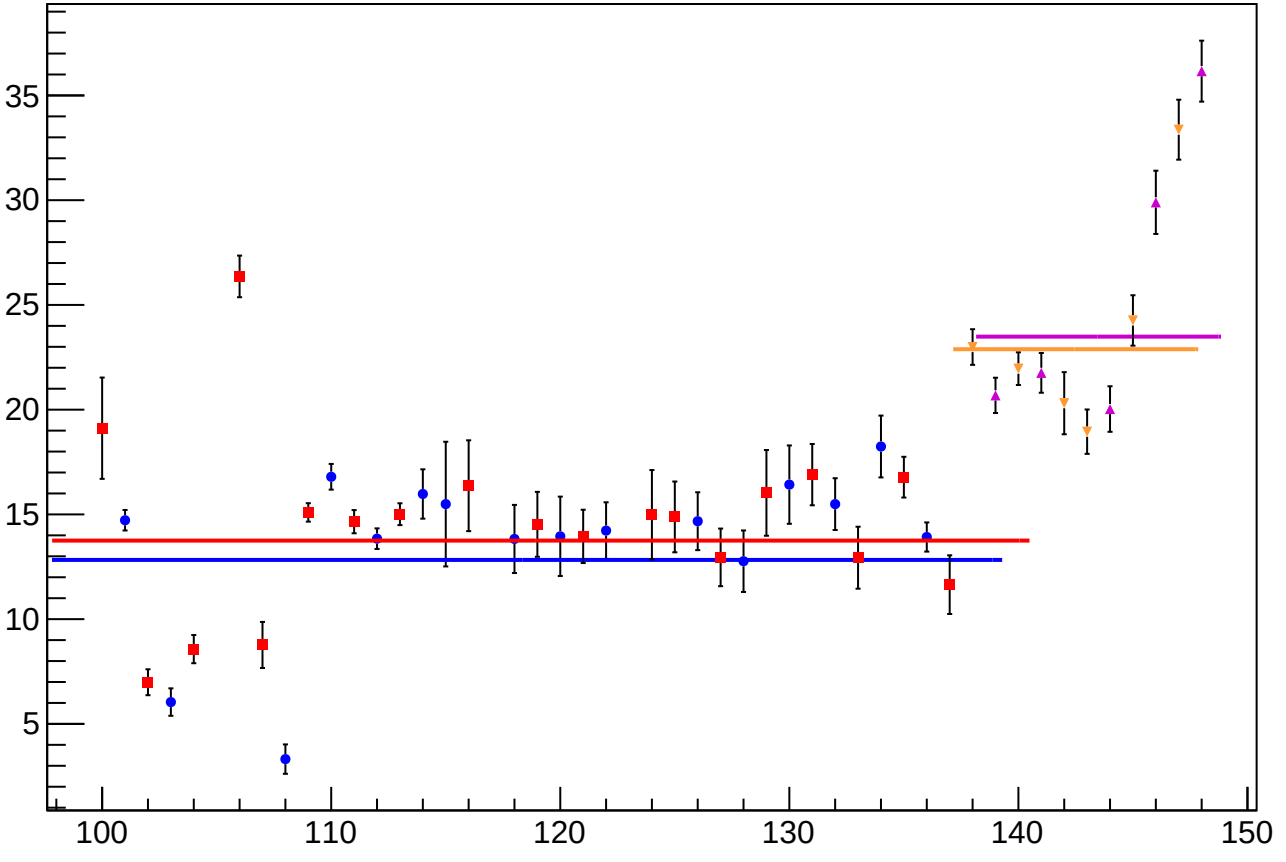
Left In: -0.094+/-0.018 χ^2/NDF:71.9/4

+ sign 0.090+/-0.011 χ^2/NDF: 512.2/21

All: 0.060+/-0.008 χ^2/NDF: 1233.5/45

- sign 0.032+/-0.011 χ^2/NDF: 706.9/23

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

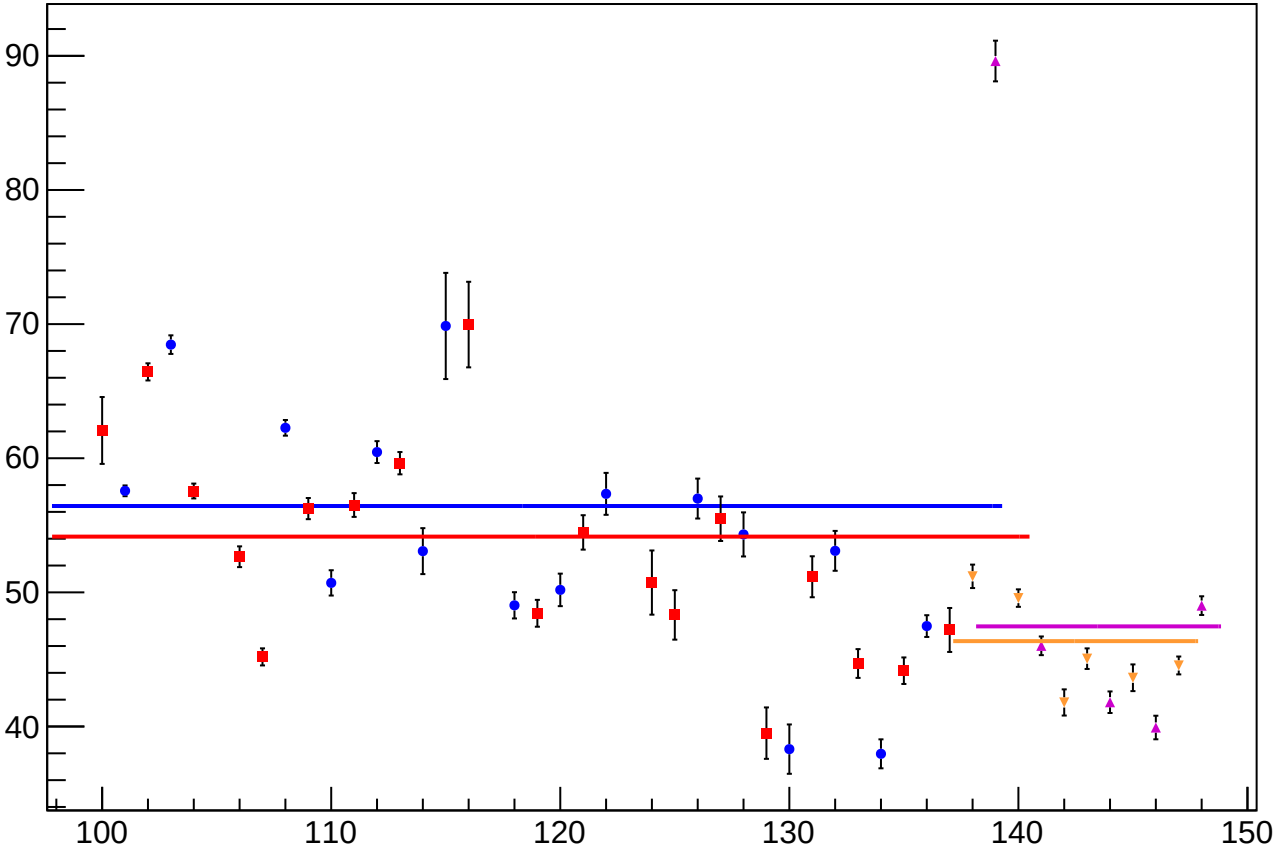
Left In: 23.486+/-0.483 χ^2/NDF:118.4/4

+ sign 14.867+/-0.191 χ^2/NDF: 908.9/21

All: 15.048+/-0.134 χ^2/NDF: 1777.2/45

- sign 15.223+/-0.188 χ^2/NDF: 866.5/23

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

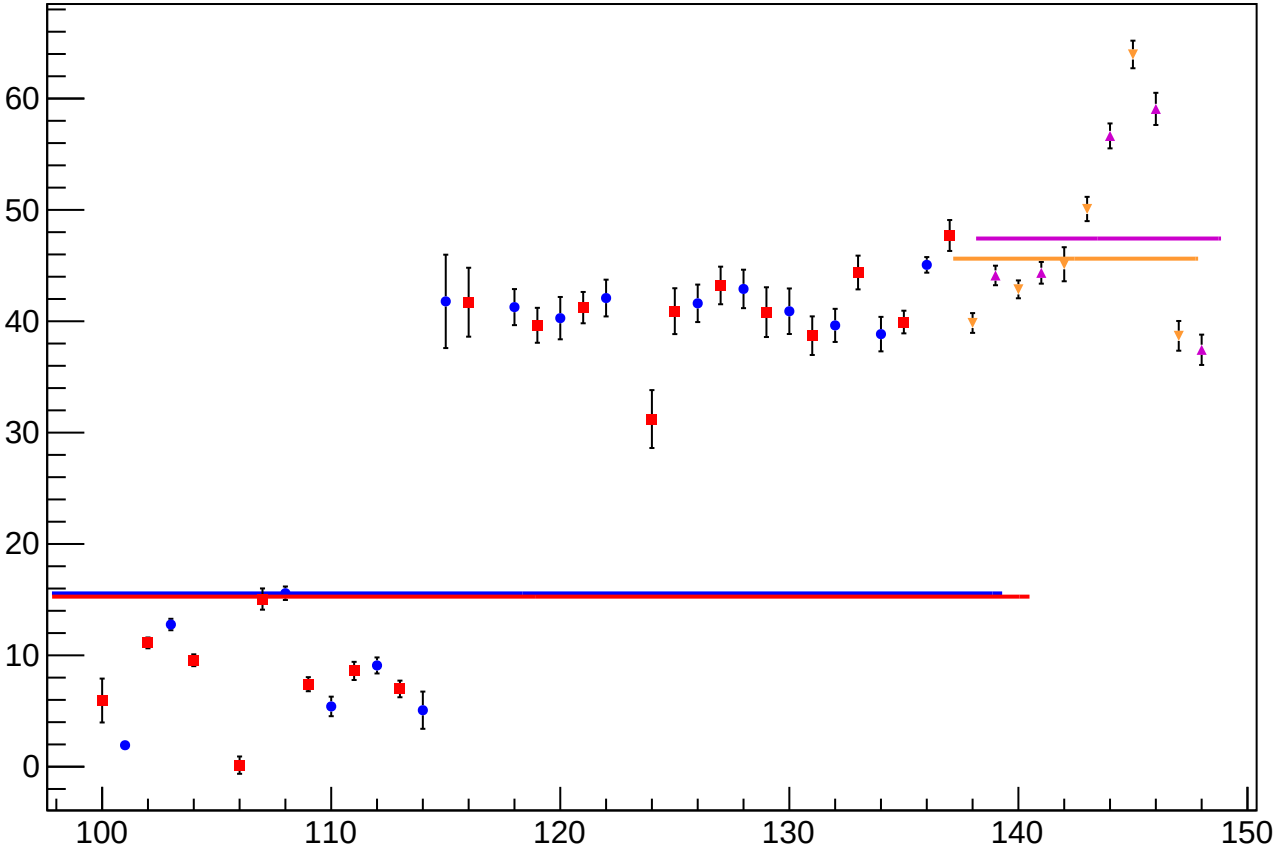
Left In: 47.464+/-0.368 χ^2/NDF:904.3/4

+ sign 53.191+/-0.183 χ^2/NDF: 1847.3/21

All: 52.785+/-0.132 χ^2/NDF: 4009.9/45

- sign 52.338+/-0.192 χ^2/NDF: 2152.2/23

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

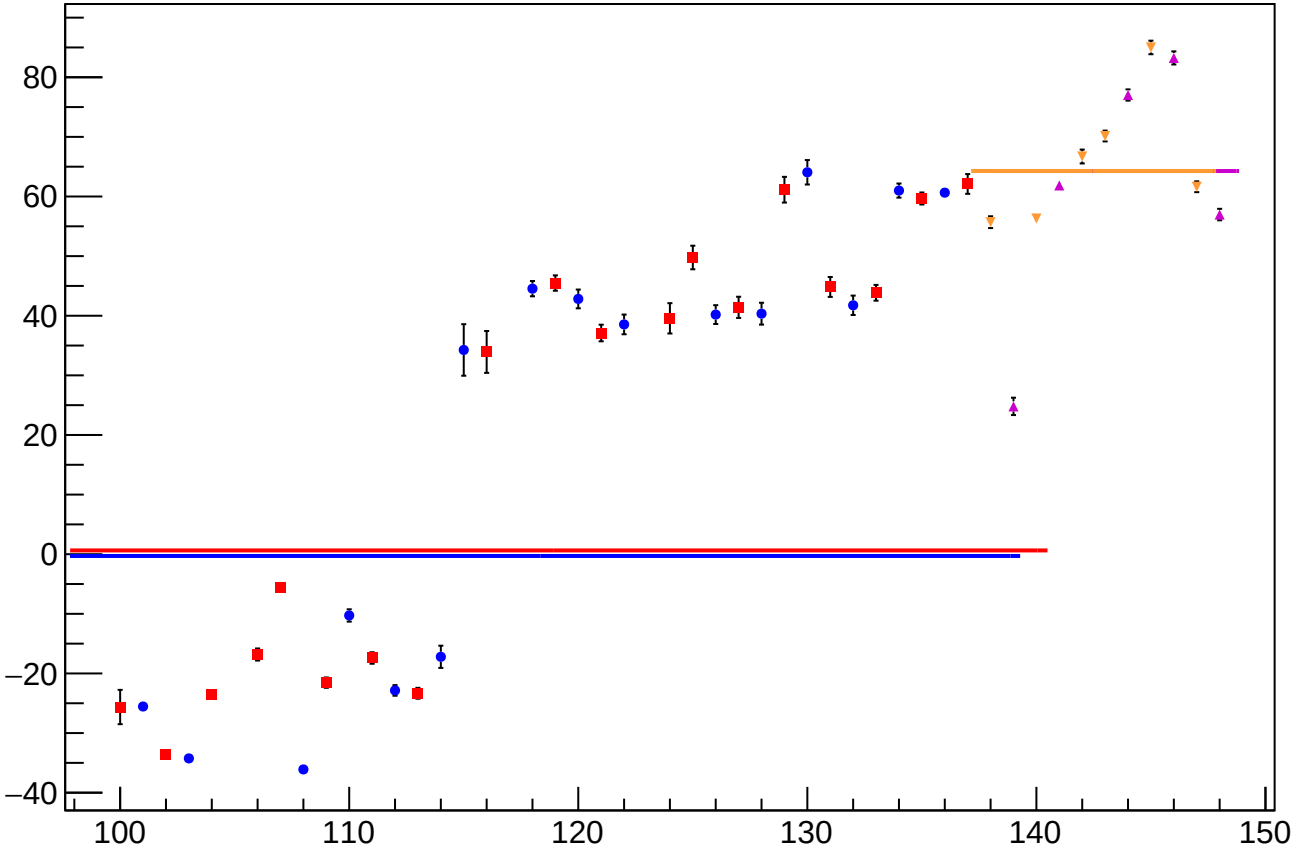
Left In: 47.429+/-0.490 χ^2/NDF:210.9/4

+ sign 21.438+/-0.192 χ^2/NDF: 9351.2/21

All: 21.054+/-0.138 χ^2/NDF: 17036.2/45

- sign 20.637+/-0.200 χ^2/NDF: 7676.7/23

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

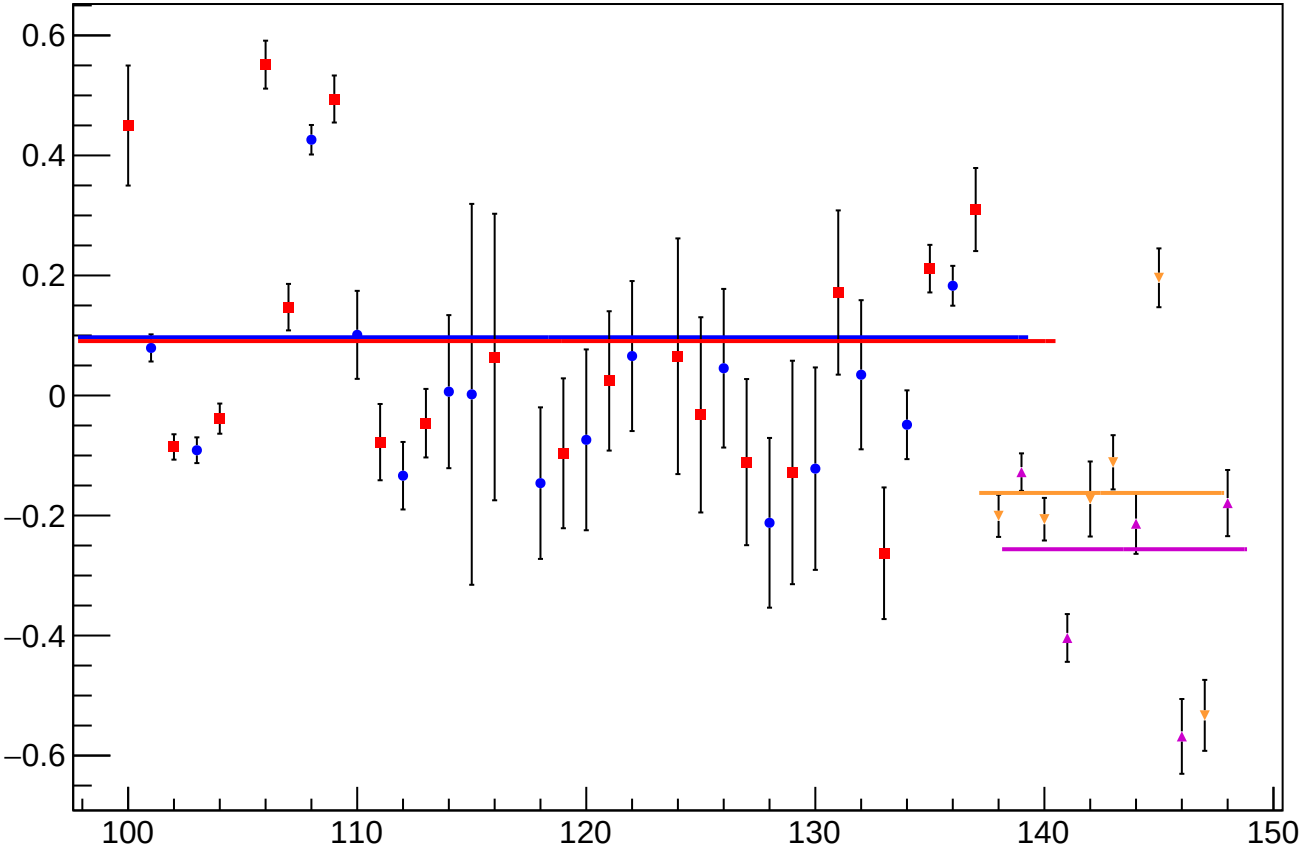
Left In: 64.273+/-0.449 χ^2/NDF:1283.2/4

\+ sign 19.754+/-0.217 χ^2/NDF: 40544.9/21

All: 18.421+/-0.157 χ^2/NDF: 72888.2/45

\- sign 16.960+/-0.227 χ^2/NDF: 32264.3/23

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

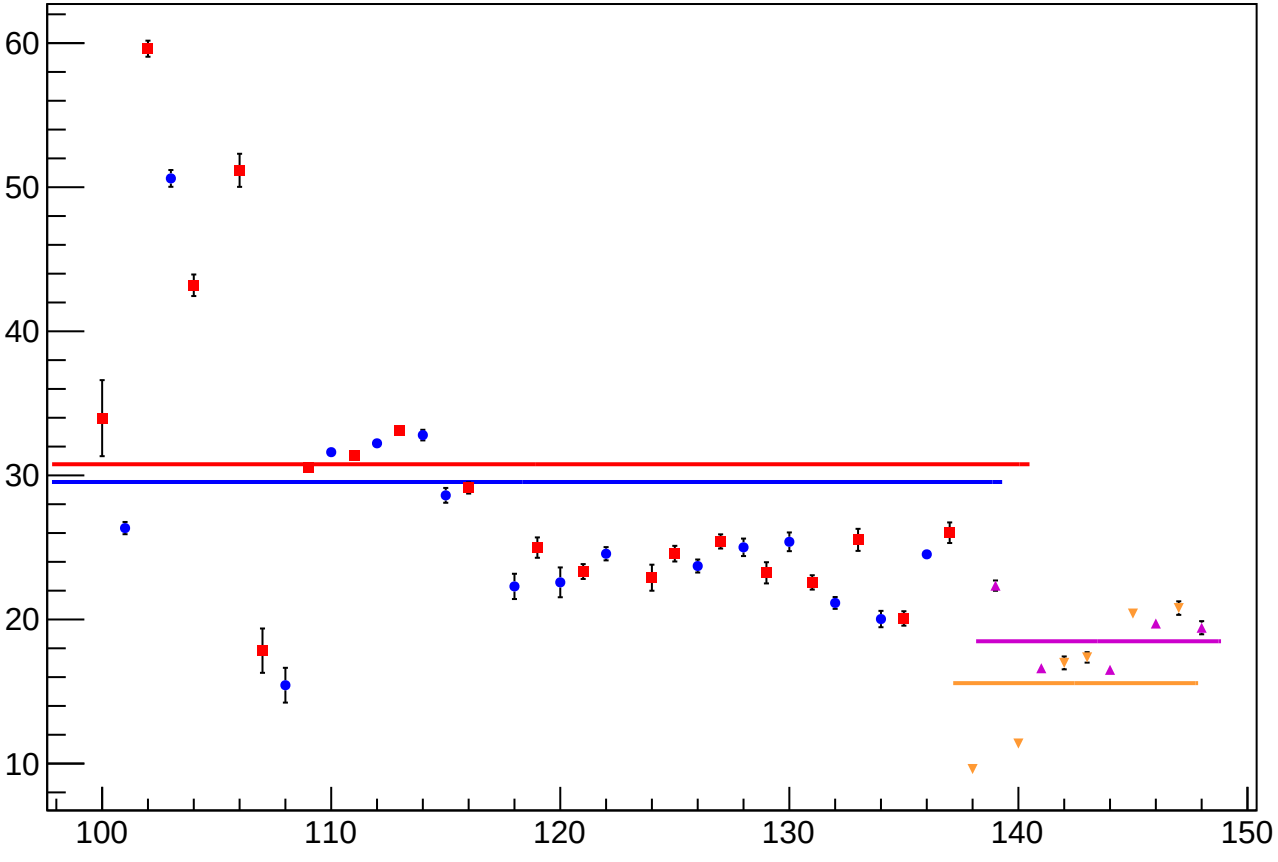
Left In: -0.256+/-0.019 χ^2/NDF:58.4/4

+ sign 0.025+/-0.010 χ^2/NDF: 544.3/21

All: 0.014+/-0.007 χ^2/NDF: 1241.2/45

- sign 0.002+/-0.010 χ^2/NDF: 694.1/23

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

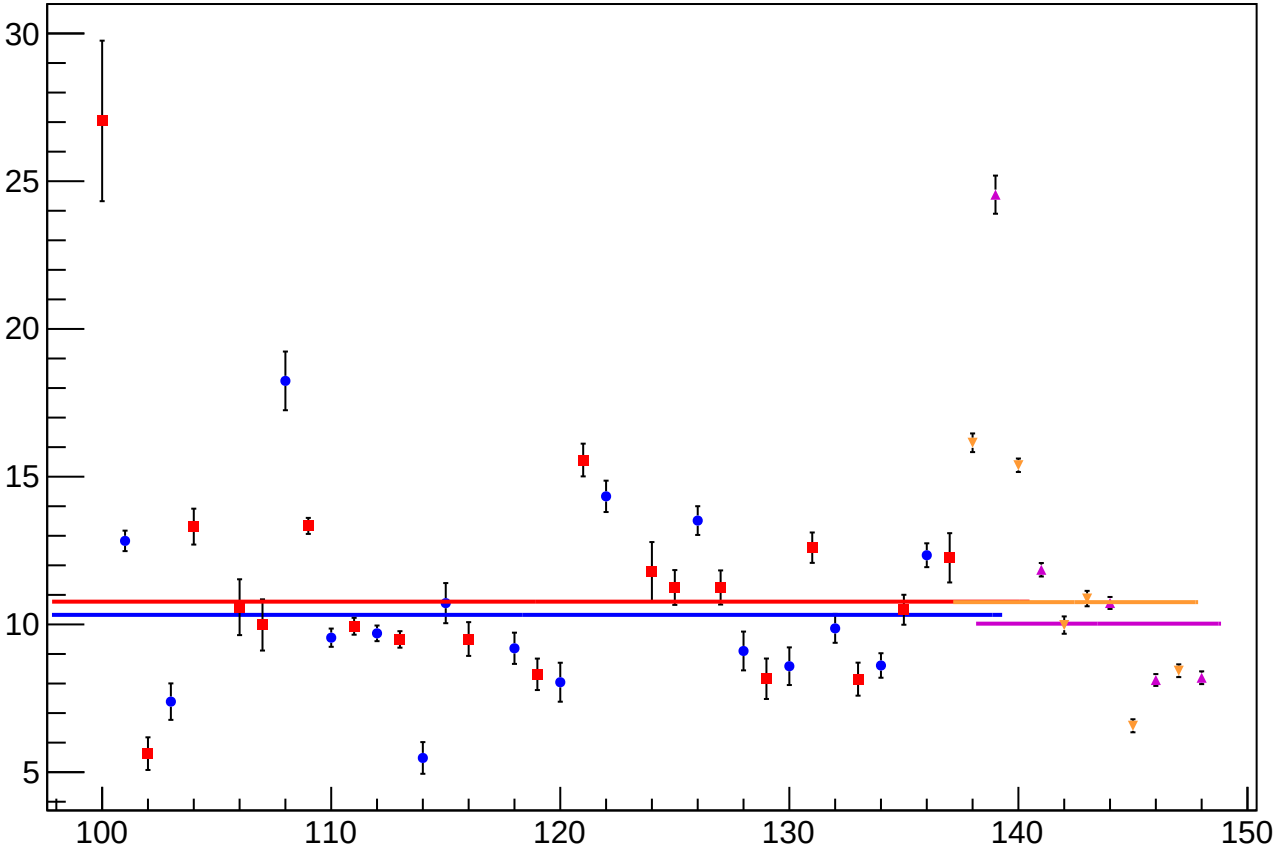
Left In: 18.488+/-0.150 χ^2/NDF:220.8/4

+ sign 25.227+/-0.076 χ^2/NDF: 11524.2/21

All: 26.751+/-0.052 χ^2/NDF: 22759.3/45

- sign 28.056+/-0.071 χ^2/NDF: 10497.3/23

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

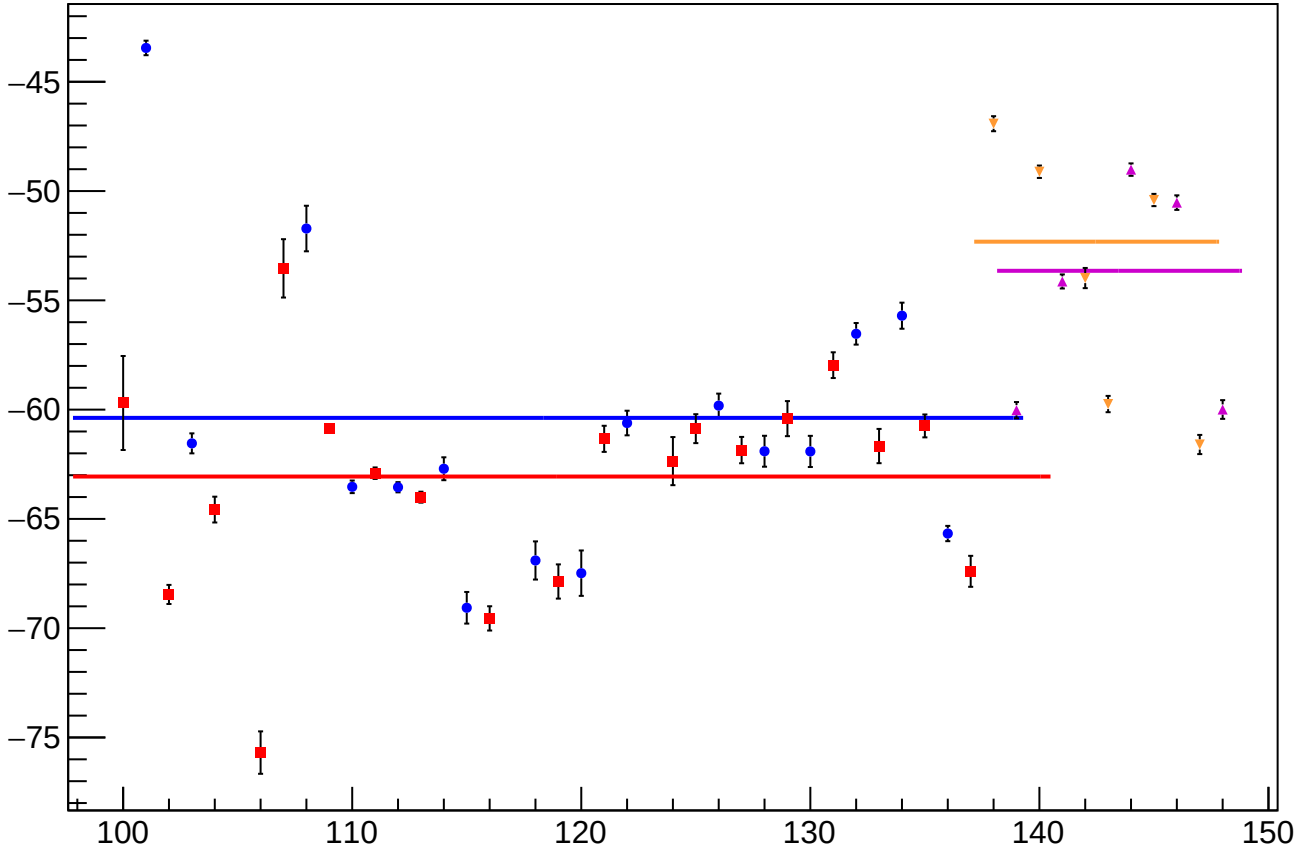
Left In: 10.026+/-0.104 χ^2/NDF:744.1/4

+ sign 10.564+/-0.076 χ^2/NDF: 1596.5/21

All: 10.468+/-0.054 χ^2/NDF: 2783.1/45

- sign 10.369+/-0.077 χ^2/NDF: 1183.4/23

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

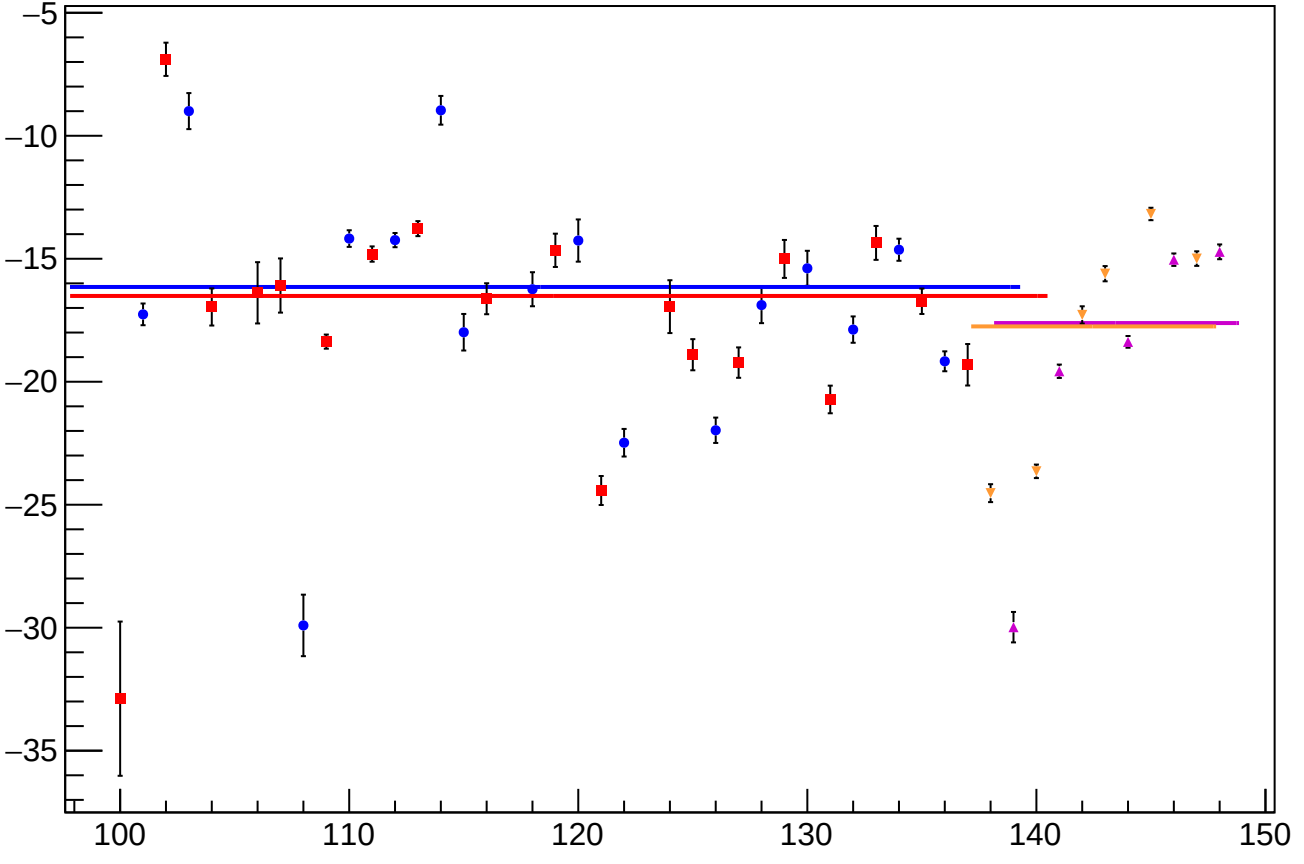
Left In: -53.648+/-0.151 χ^2/NDF:868.4/4

+ sign -57.214+/-0.088 χ^2/NDF: 6870.1/21

All: -58.572+/-0.062 χ^2/NDF: 11631.5/45

- sign -59.913+/-0.087 χ^2/NDF: 4289.1/23

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

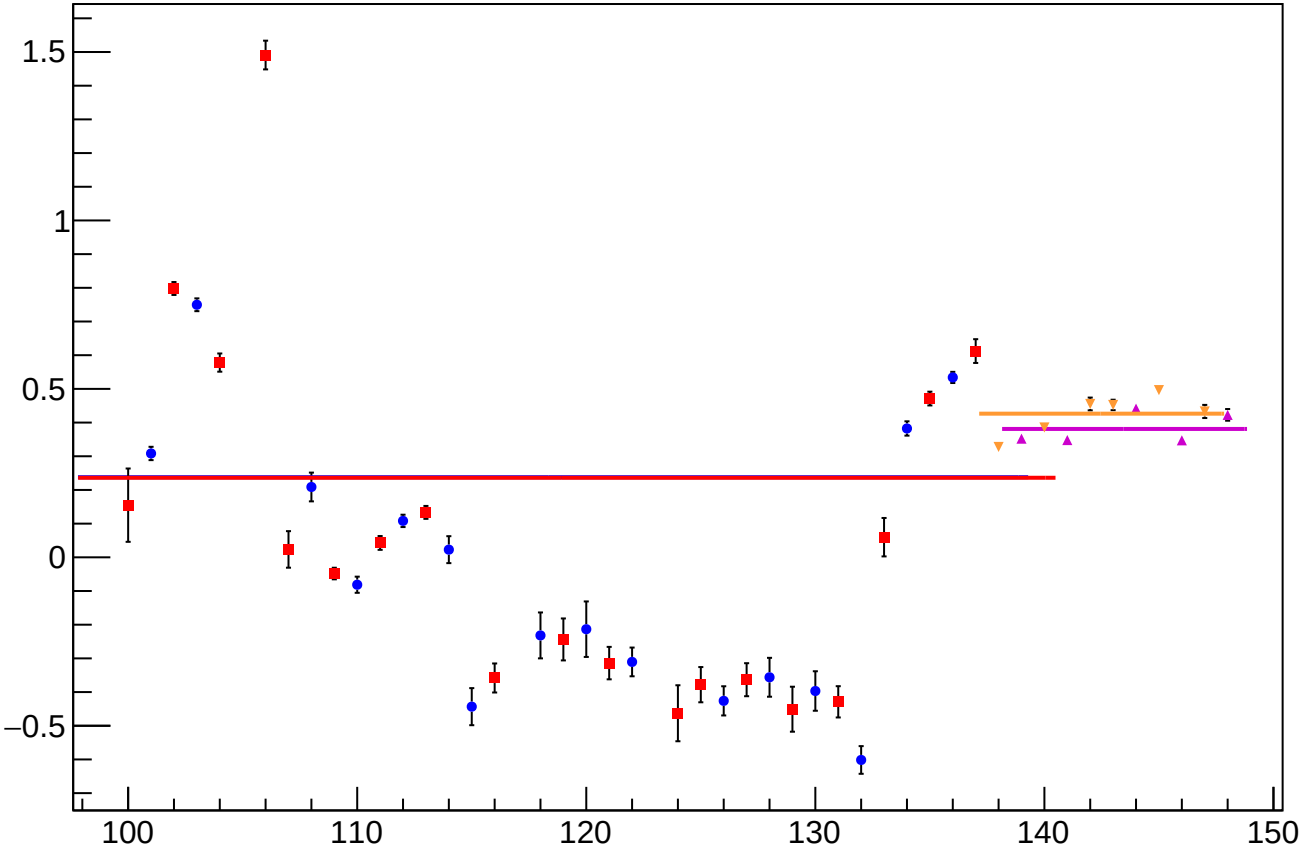
Left In: -17.614+/-0.129 χ^2/NDF:657.0/4

+ sign -16.977+/-0.088 χ^2/NDF: 2148.0/21

All: -17.010+/-0.063 χ^2/NDF: 3527.7/45

- sign -17.045+/-0.090 χ^2/NDF: 1379.4/23

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

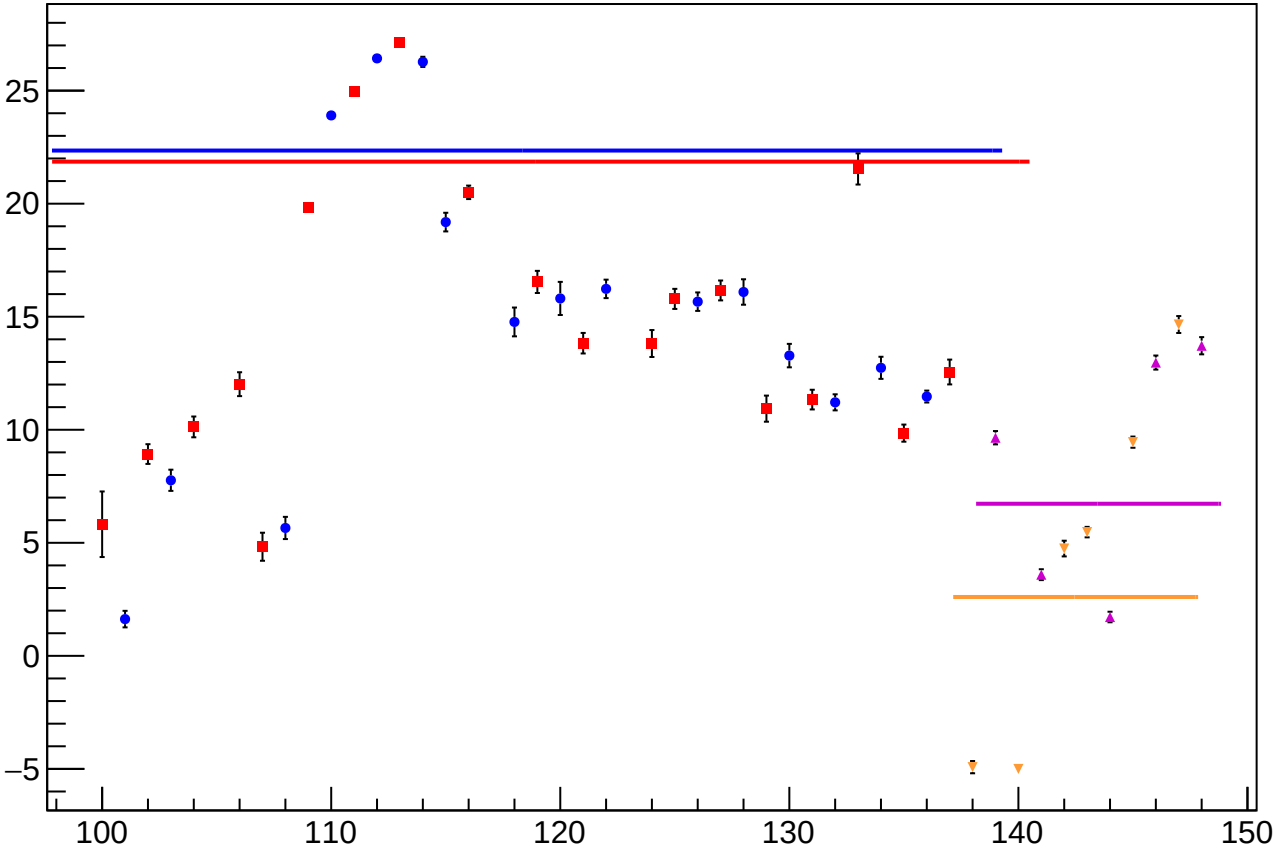
Left In: 0.381+/-0.006 χ^2/NDF:45.0/4

+ sign 0.349+/-0.005 χ^2/NDF: 3160.9/21

All: 0.334+/-0.003 χ^2/NDF: 7060.1/45

- sign 0.318+/-0.005 χ^2/NDF: 3875.9/23

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

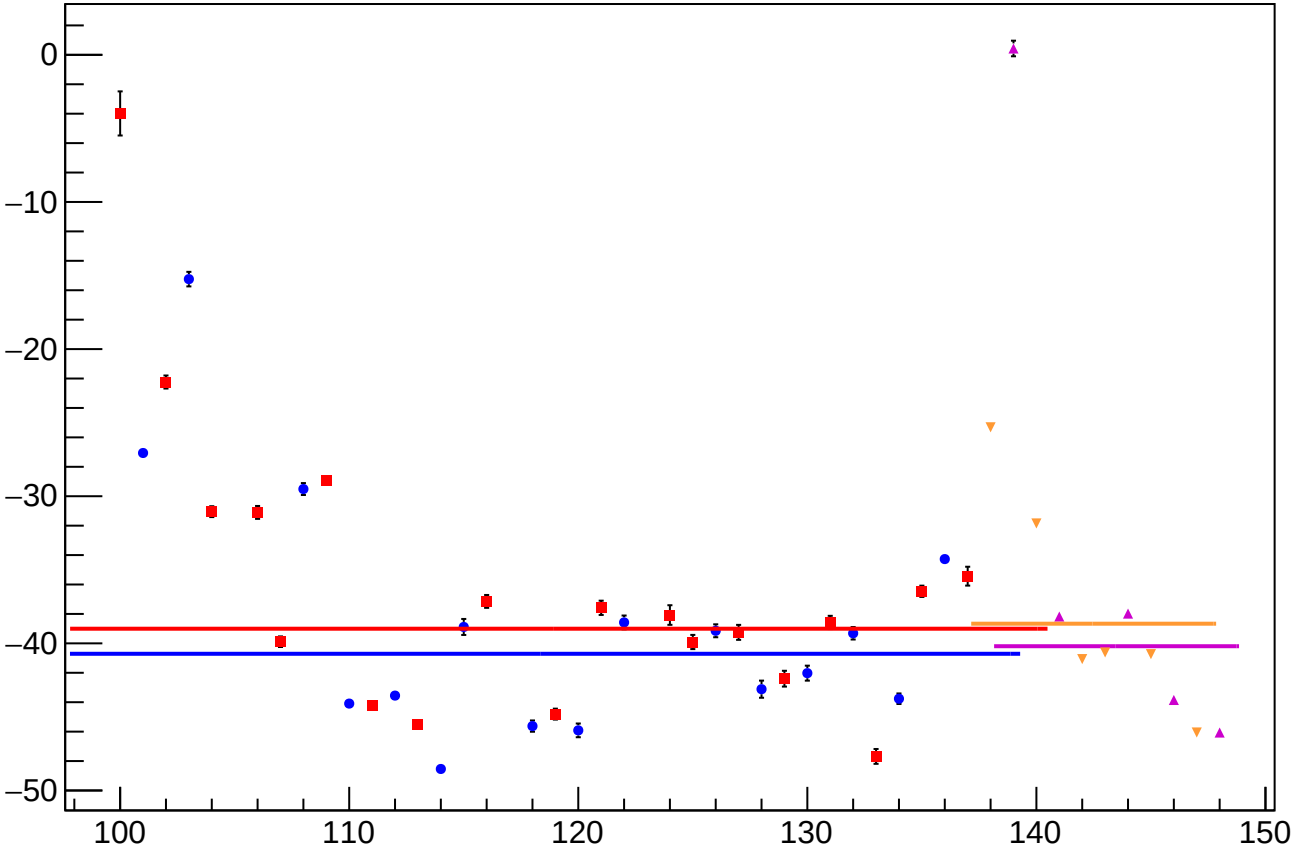
Left In: 6.727+/-0.125 χ^2/NDF:1469.6/4

\+ sign 18.100+/-0.050 χ^2/NDF: 42601.1/21

All: 19.200+/-0.033 χ^2/NDF: 68562.8/45

\- sign 20.025+/-0.043 χ^2/NDF: 25118.6/23

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

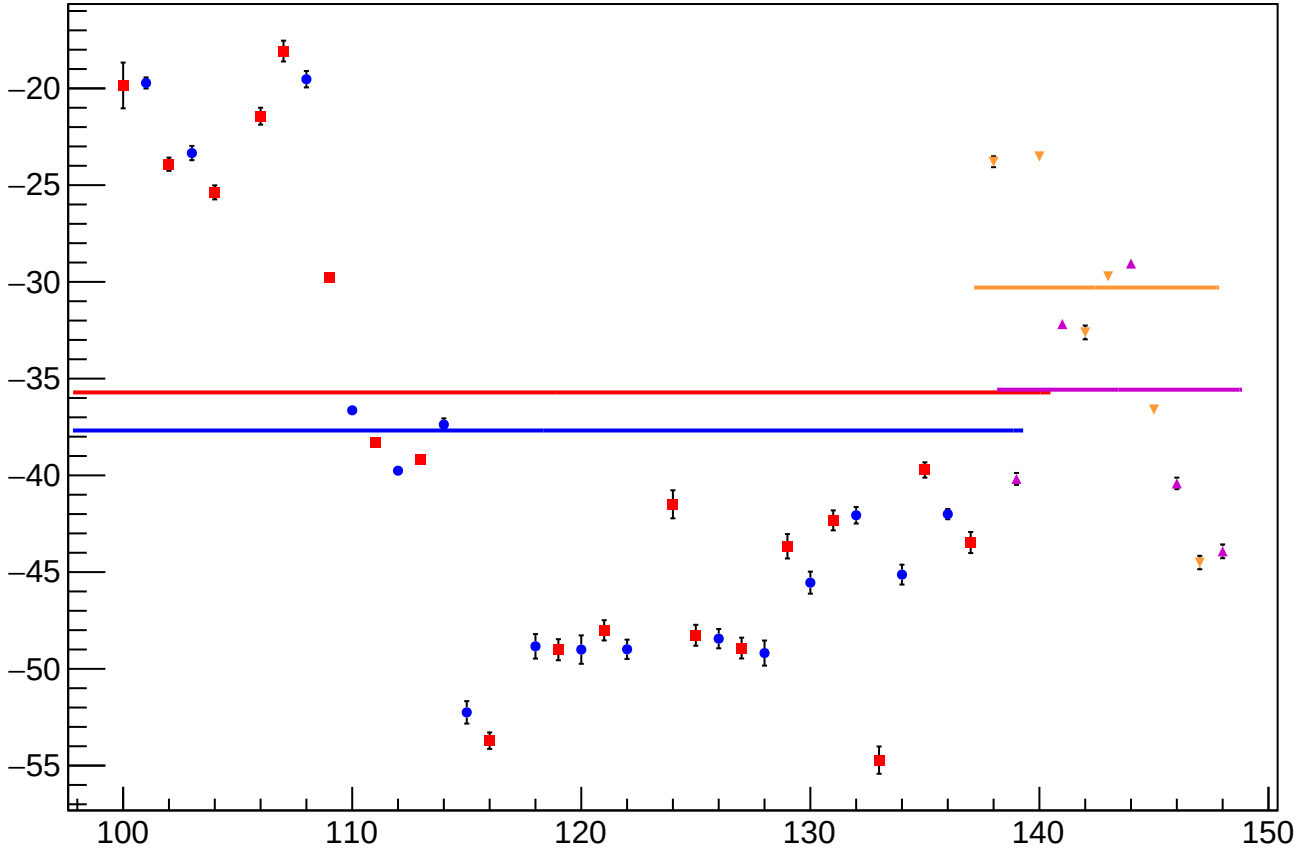
Left In: -40.195+/-0.088 χ^2/NDF:7591.7/4

+ sign -39.724+/-0.055 χ^2/NDF: 14385.6/21

All: -39.600+/-0.039 χ^2/NDF: 32199.6/45

- sign -39.475+/-0.055 χ^2/NDF: 17803.8/23

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

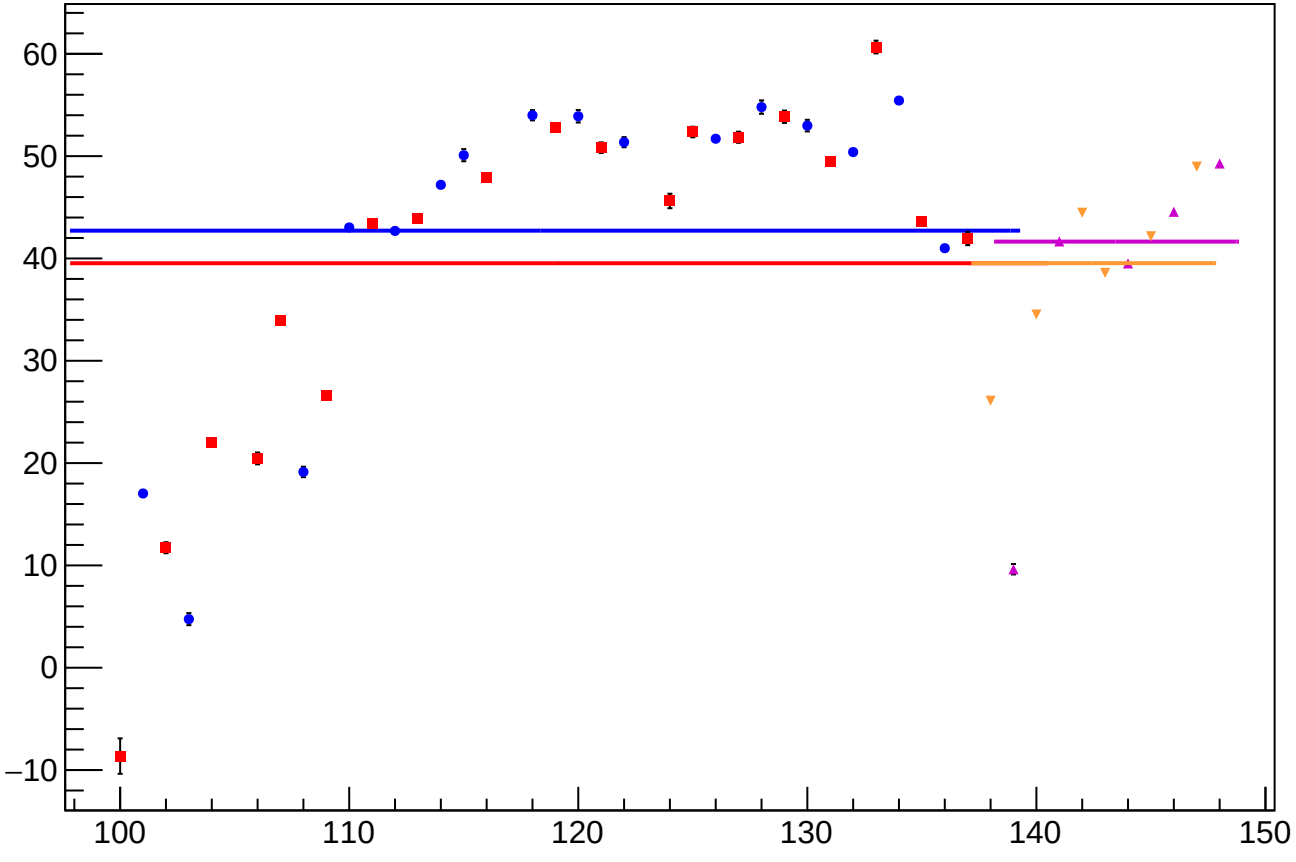
Left In: -35.572+/-0.126 χ^2/NDF:1963.1/4

+ sign -35.401+/-0.061 χ^2/NDF: 17745.1/21

All: -35.552+/-0.042 χ^2/NDF: 32995.1/45

- sign -35.684+/-0.057 χ^2/NDF: 15238.6/23

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

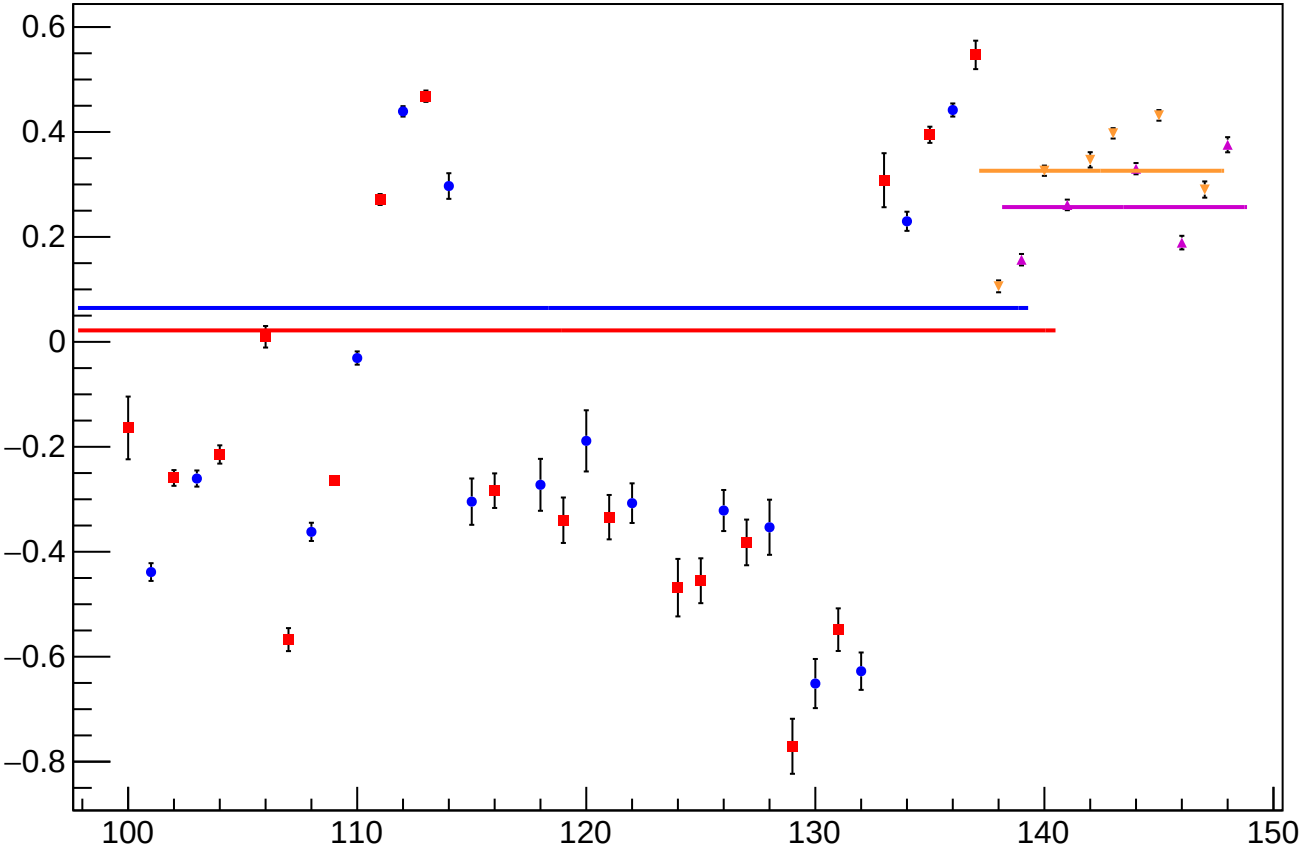
Left In: 41.647+/-0.108 χ^2/NDF:5152.6/4

\+ sign 41.322+/-0.064 χ^2/NDF: 19994.2/21

All: 40.788+/-0.045 χ^2/NDF: 43516.5/45

\- sign 40.261+/-0.063 χ^2/NDF: 23382.4/23

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

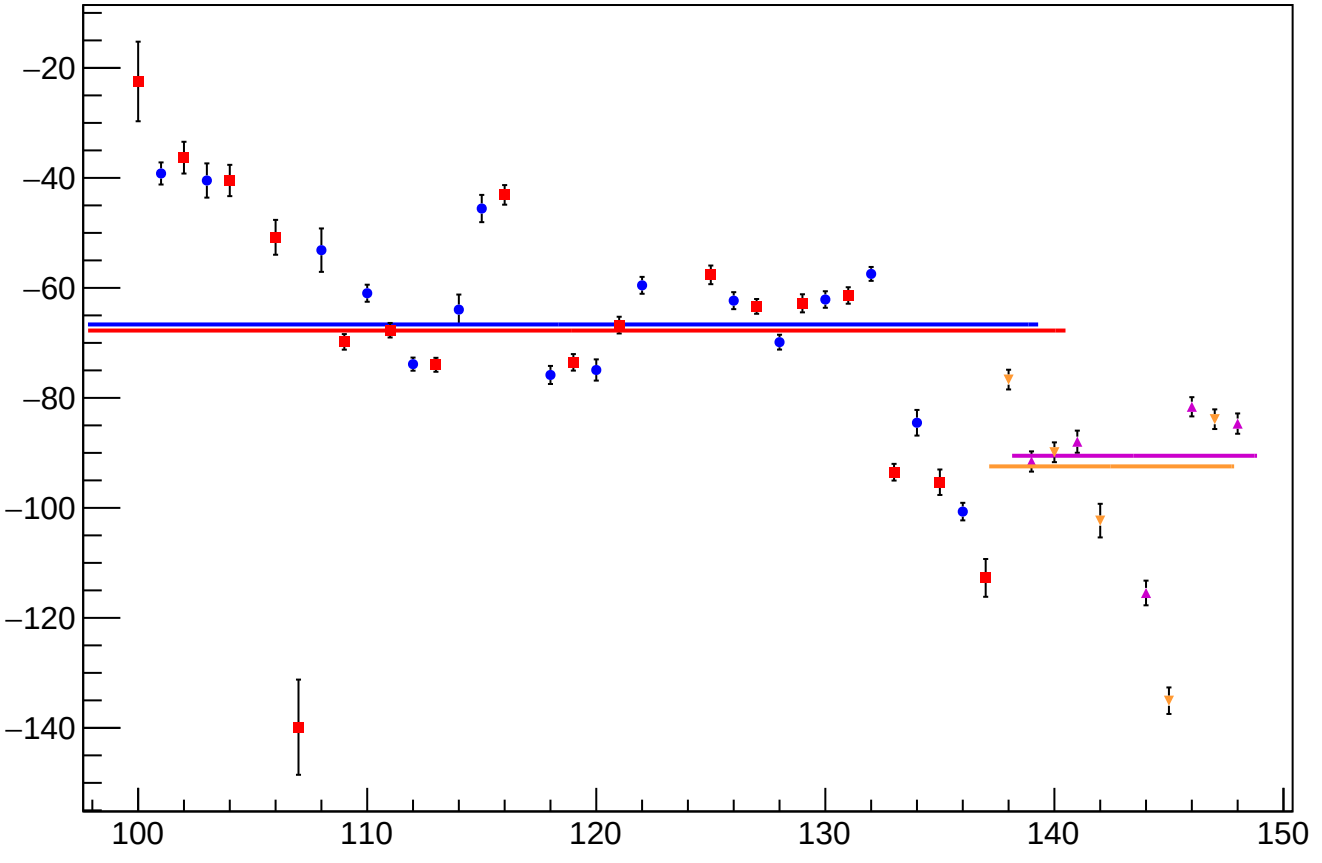
Left In: 0.257+/-0.005 χ^2/NDF:225.6/4

\+ sign 0.202+/-0.003 χ^2/NDF: 7568.9/21

All: 0.161+/-0.002 χ^2/NDF: 15699.2/45

\- sign 0.120+/-0.003 χ^2/NDF: 7835.7/23

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

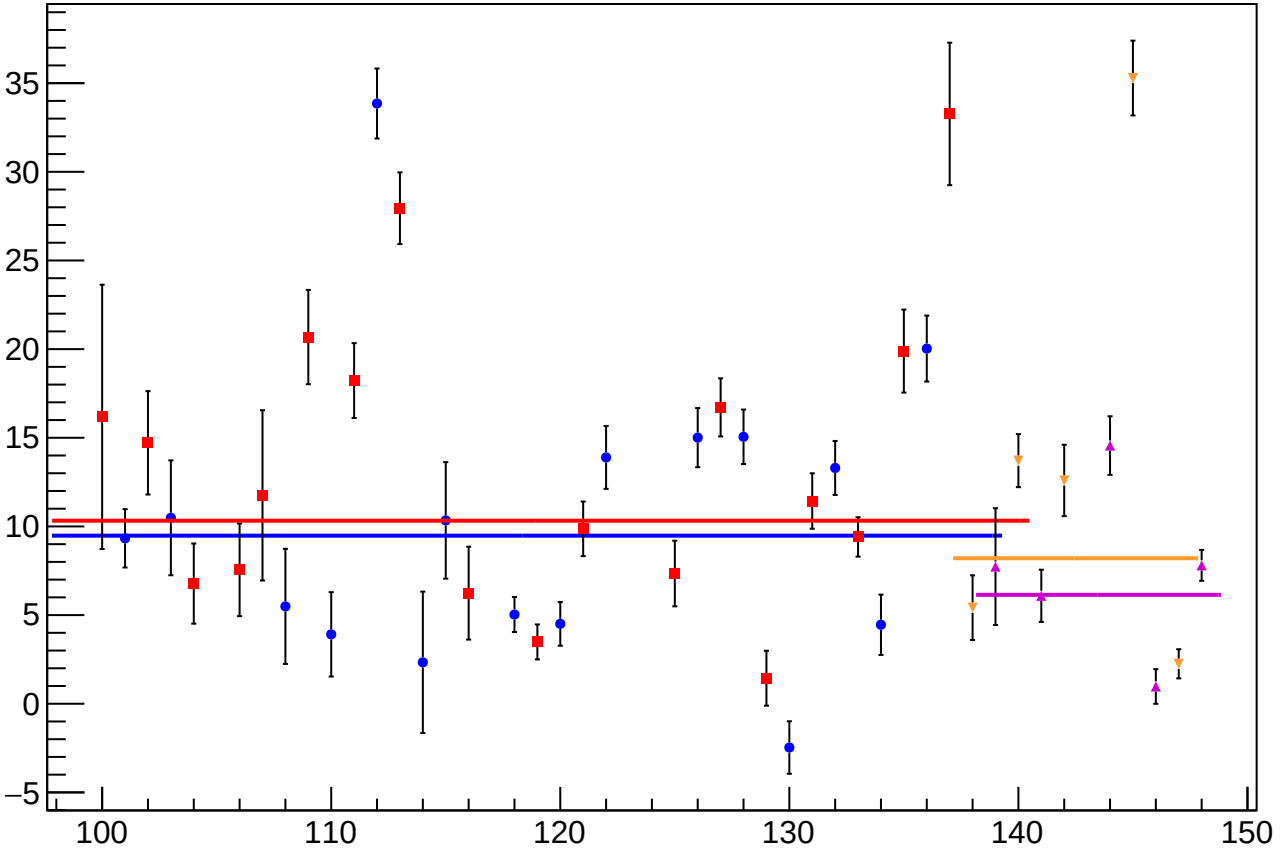
Left In: -90.524+/-0.857 χ^2/NDF:161.7/4

+ sign -71.303+/-0.386 χ^2/NDF: 2139.2/20

All: -71.740+/-0.270 χ^2/NDF: 4128.4/43

- sign -72.157+/-0.377 χ^2/NDF: 1986.7/22

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

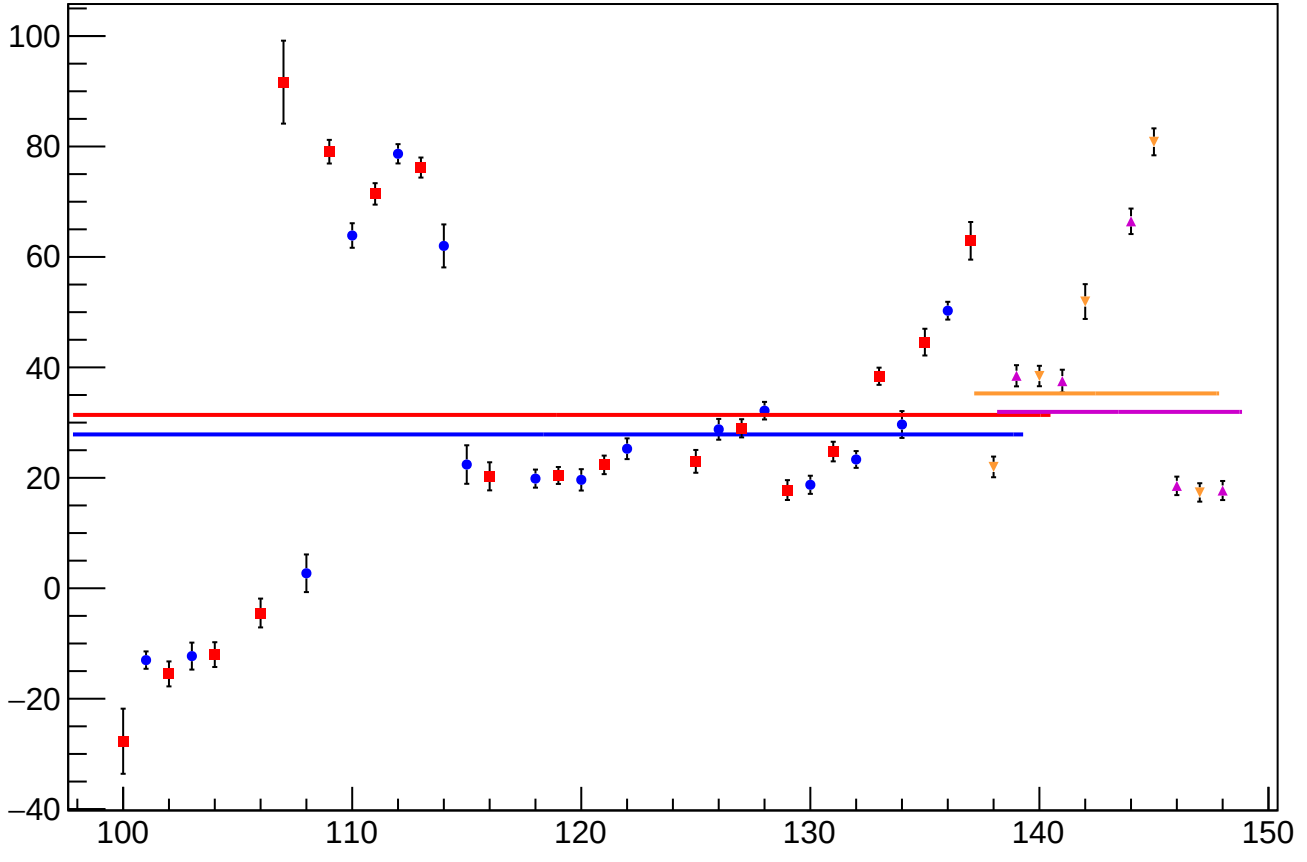
Left In: 6.142+/-0.552 χ^2/NDF:57.7/4

+ sign 9.058+/-0.350 χ^2/NDF: 582.9/20

All: 8.885+/-0.245 χ^2/NDF: 939.9/43

- sign 8.720+/-0.342 χ^2/NDF: 356.5/22

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

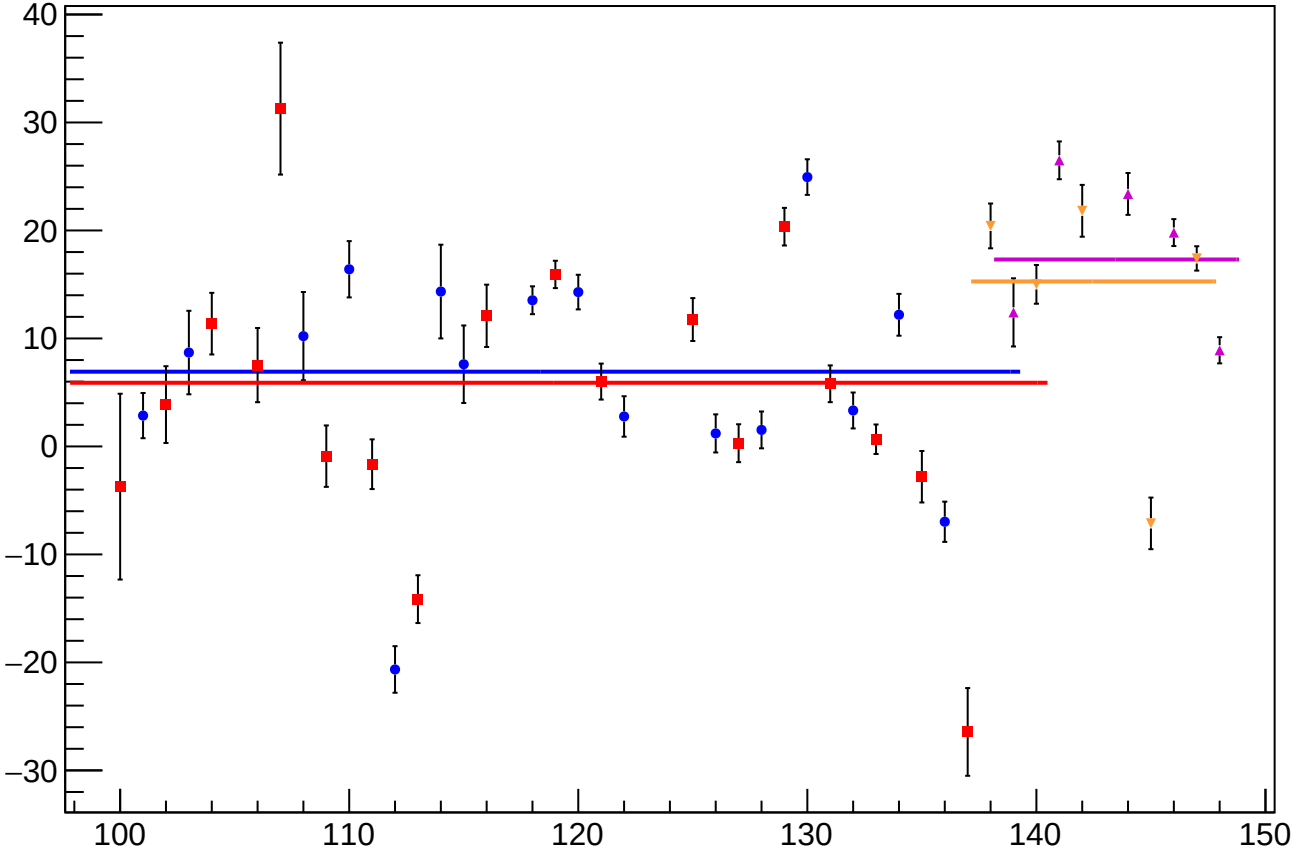
Left In: 31.942+/-0.849 χ^2/NDF:374.4/4

\+ sign 29.487+/-0.426 χ^2/NDF: 3071.5/20

All: 30.517+/-0.300 χ^2/NDF: 6469.2/43

\- sign 31.530+/-0.423 χ^2/NDF: 3386.1/22

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

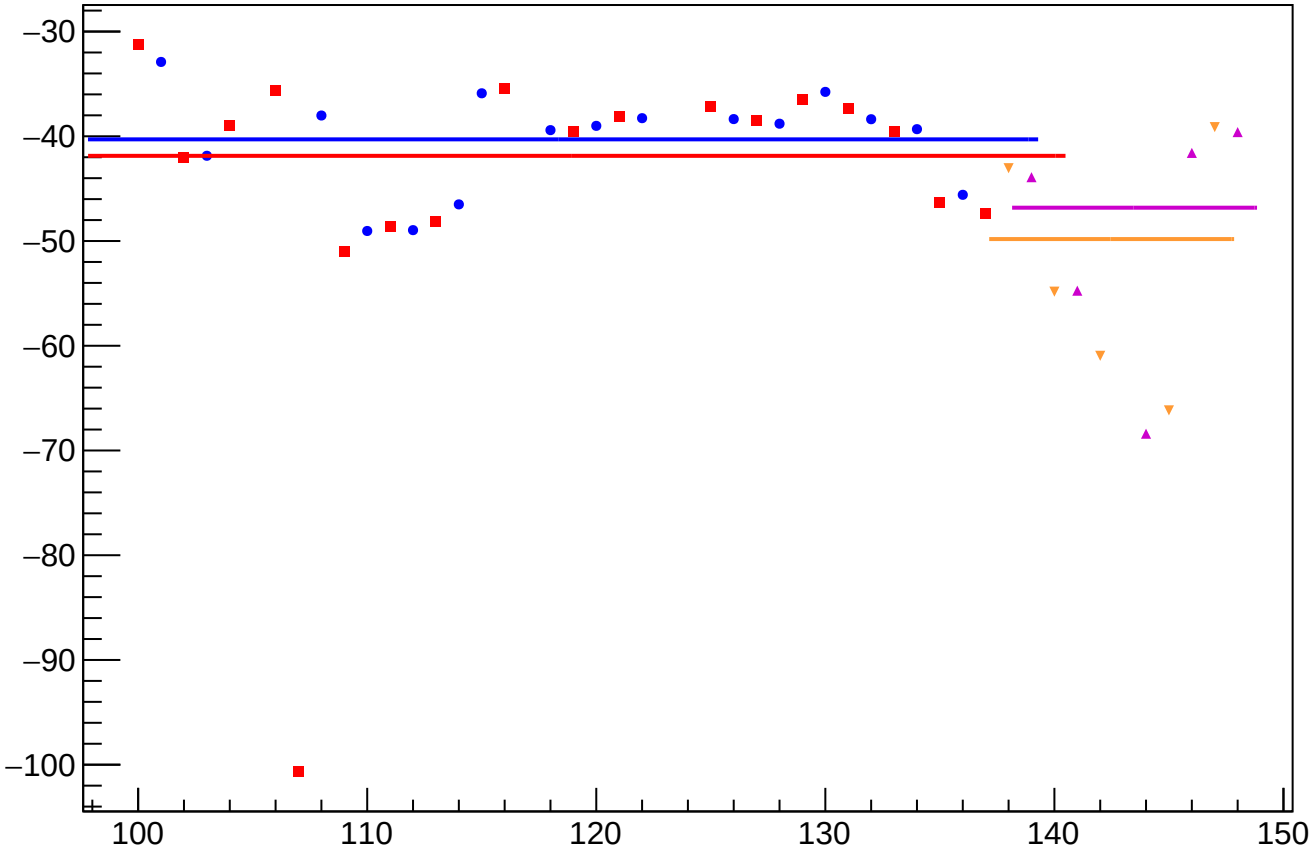
Left In: 17.311+/-0.704 χ^2/NDF:91.8/4

+ sign 9.361+/-0.417 χ^2/NDF: 632.4/20

All: 9.554+/-0.292 χ^2/NDF: 1266.6/43

- sign 9.740+/-0.409 χ^2/NDF: 633.8/22

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

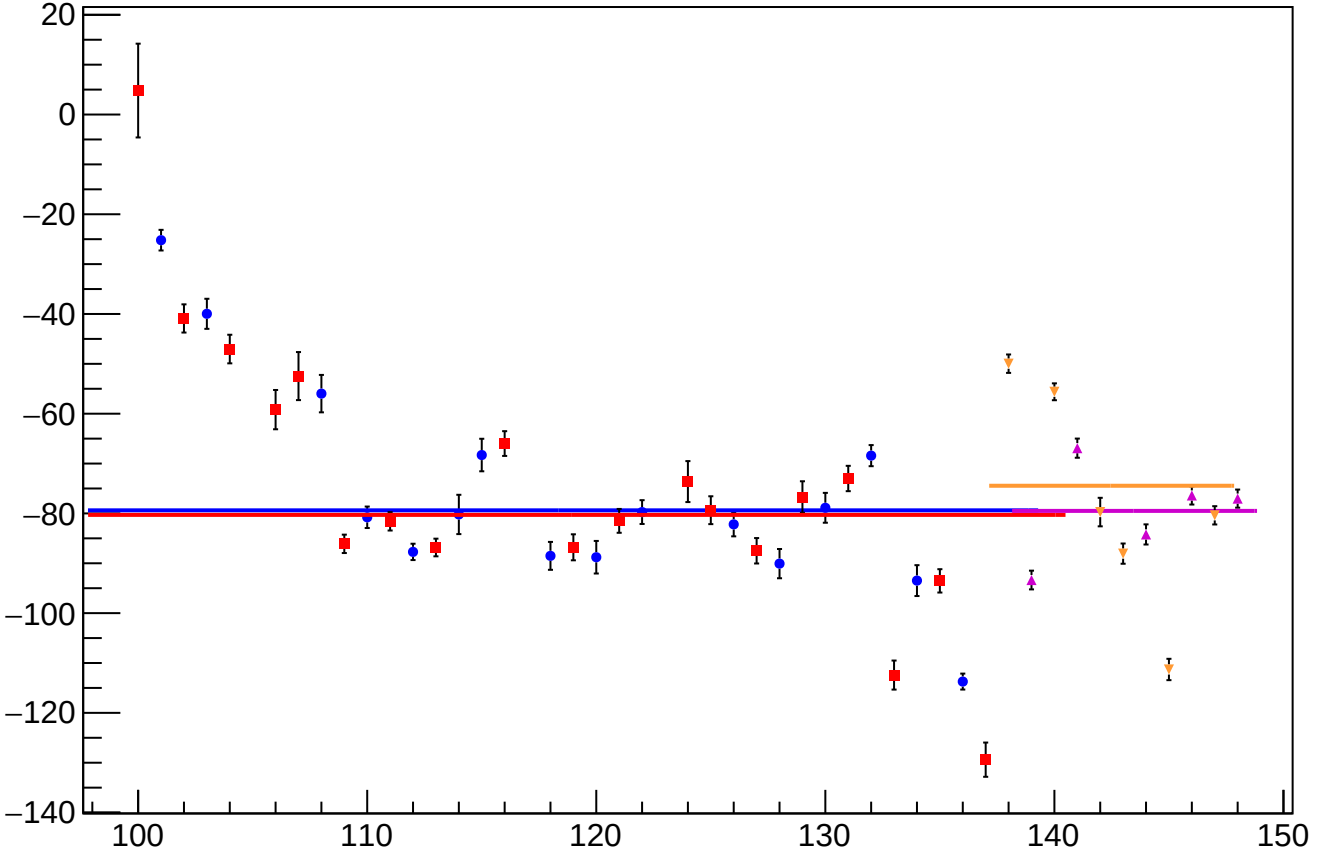
Left In: -46.818+/-0.034 χ^2/NDF:69823.9/4

+ sign -44.107+/-0.024 χ^2/NDF: 126577.7/20

All: -44.142+/-0.017 χ^2/NDF: 266221.9/43

- sign -44.174+/-0.023 χ^2/NDF: 139640.2/22

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

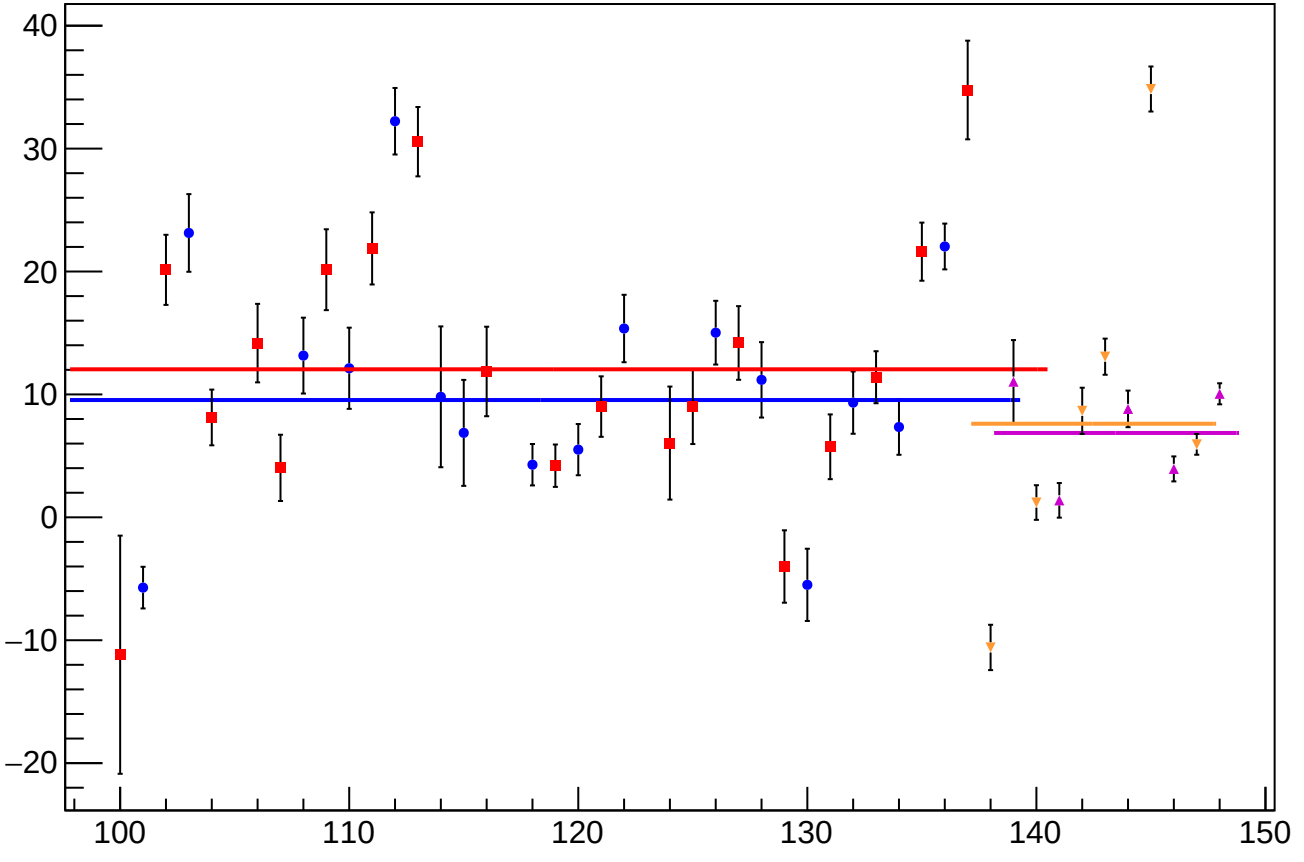
Left In: -79.494+/-0.844 χ^2/NDF:107.4/4

+ sign -77.594+/-0.488 χ^2/NDF: 2154.7/21

All: -78.801+/-0.346 χ^2/NDF: 3189.7/45

- sign -80.023+/-0.491 χ^2/NDF: 1022.7/23

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

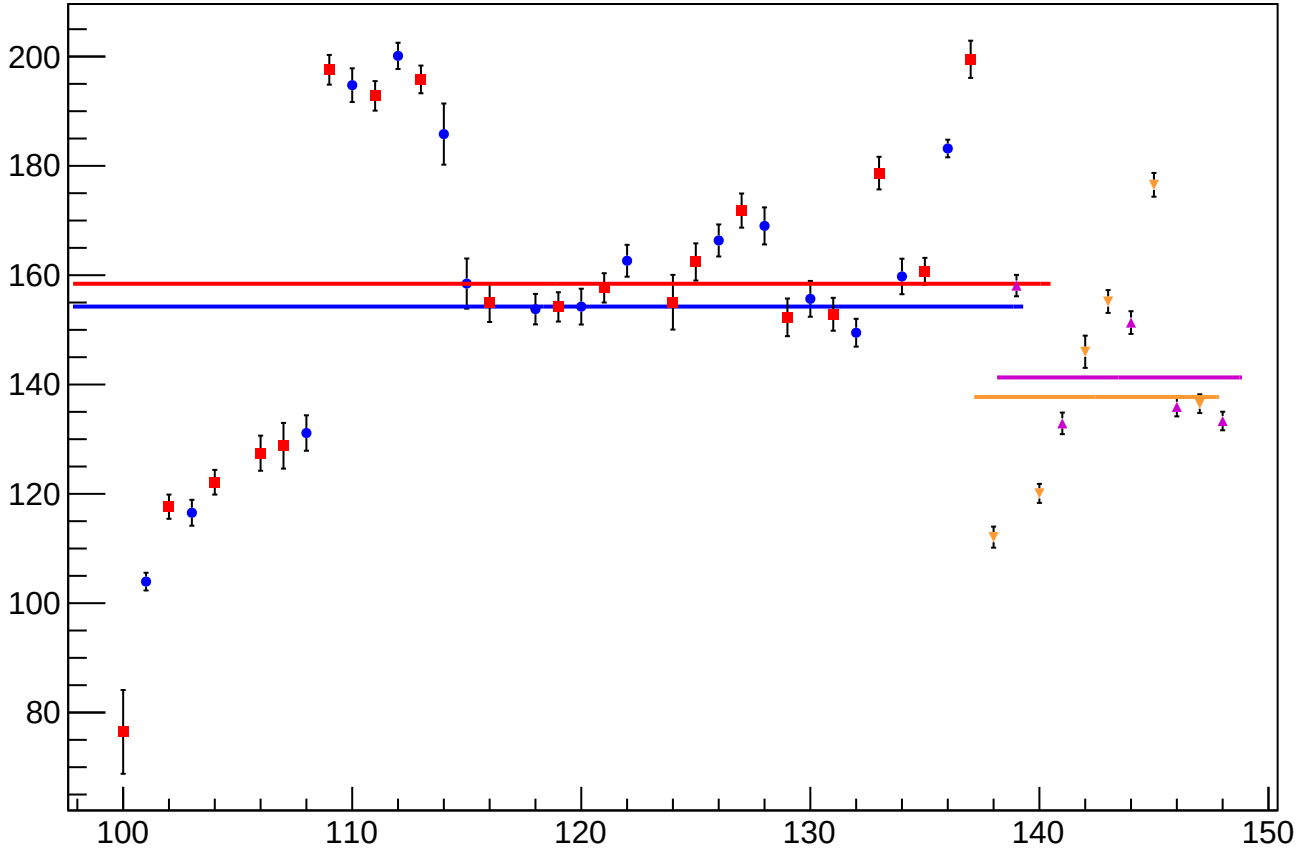
Left In: 6.863+/-0.544 χ^2/NDF:40.5/4

+ sign 8.470+/-0.414 χ^2/NDF: 629.5/21

All: 8.760+/-0.293 χ^2/NDF: 905.1/45

- sign 9.050+/-0.414 χ^2/NDF: 274.6/23

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

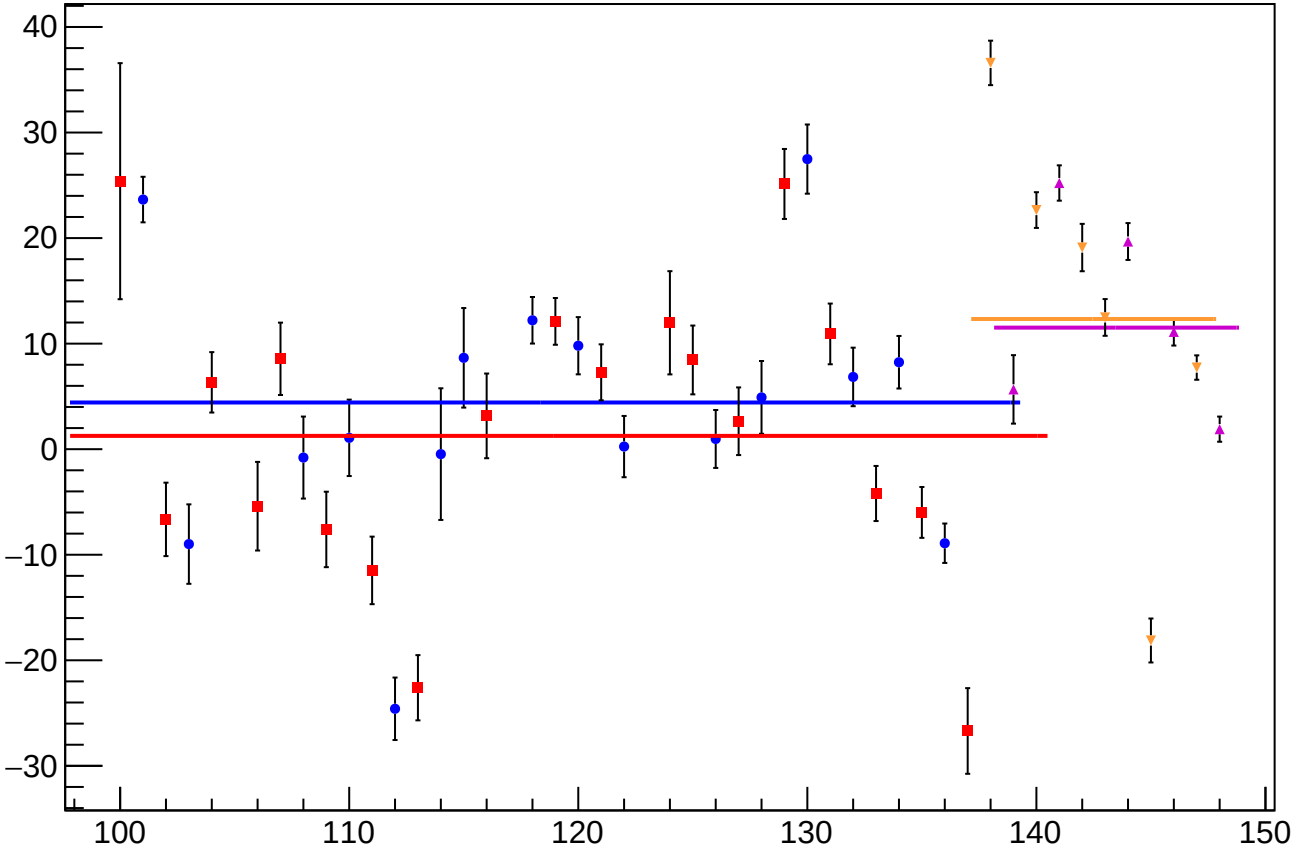
Left In: 141.299+/-0.838 χ^2/NDF:146.6/4

+ sign 147.711+/-0.514 χ^2/NDF: 3136.9/21

All: 149.598+/-0.369 χ^2/NDF: 5226.9/45

- sign 151.597+/-0.529 χ^2/NDF: 2062.3/23

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

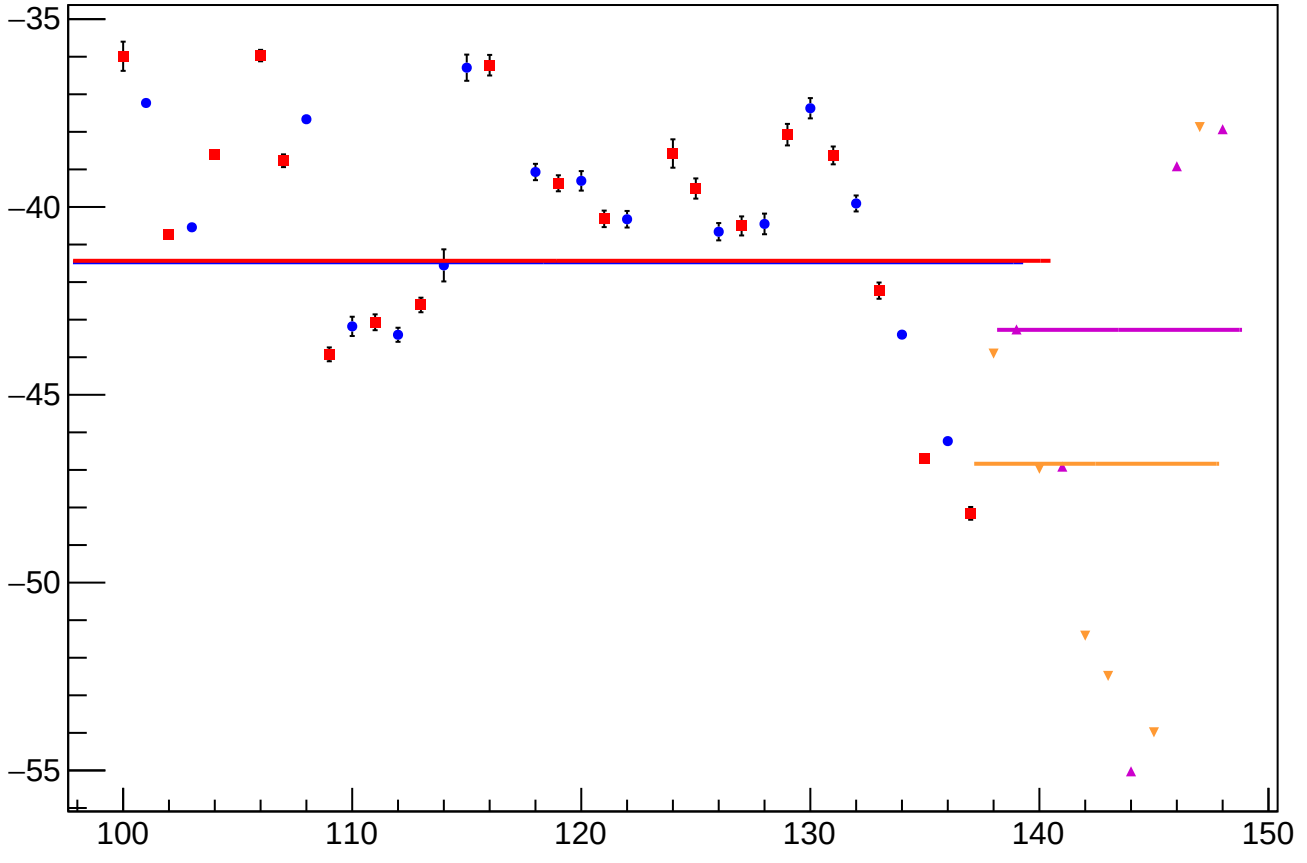
Left In: 11.516+/-0.693 χ^2/NDF:157.3/4

+ sign 8.496+/-0.497 χ^2/NDF: 788.0/21

All: 7.590+/-0.354 χ^2/NDF: 1320.4/45

- sign 6.662+/-0.503 χ^2/NDF: 525.6/23

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

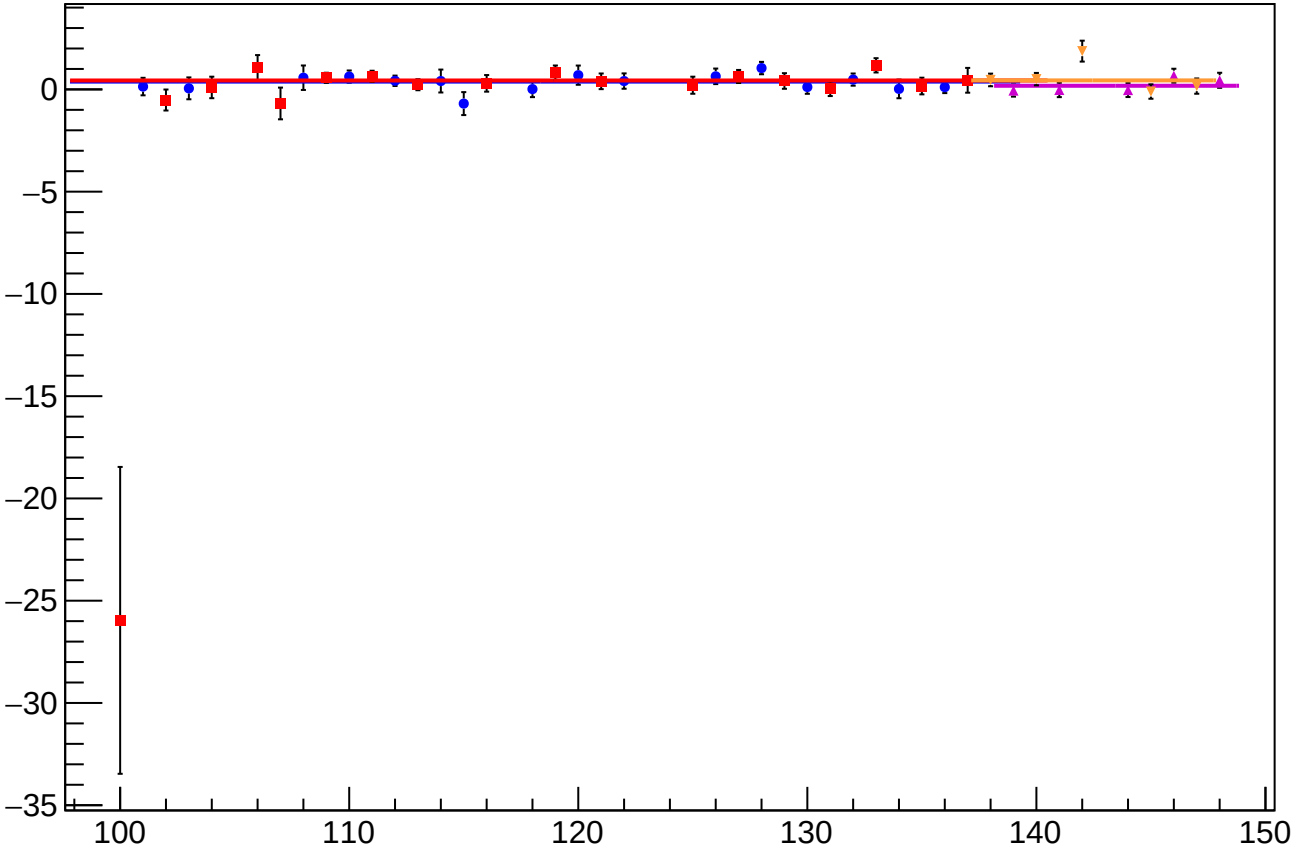
Left In: -43.271+/-0.034 χ^2/NDF:27379.6/4

+ sign -44.426+/-0.026 χ^2/NDF: 46734.6/21

All: -43.466+/-0.018 χ^2/NDF: 86431.4/45

- sign -42.488+/-0.026 χ^2/NDF: 36847.4/23

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

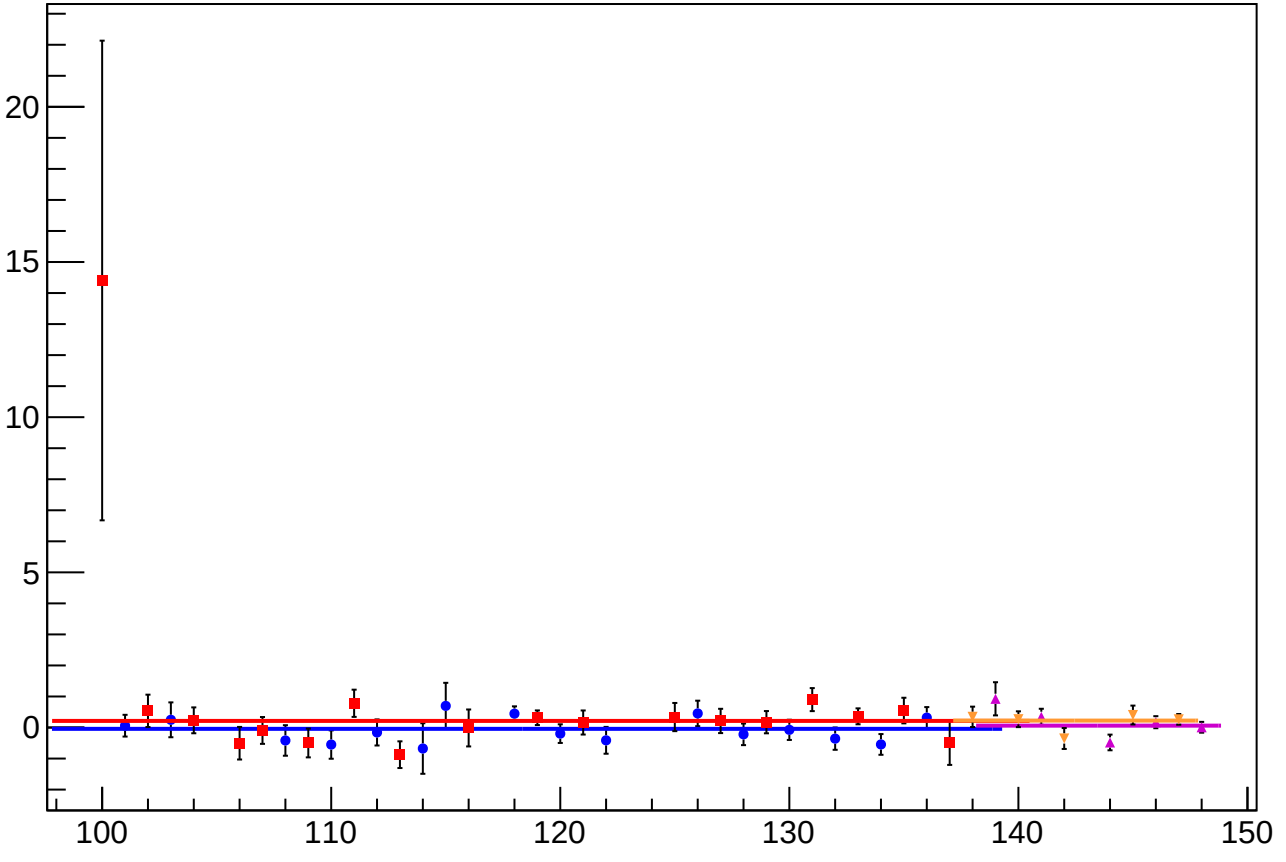
Left In: 0.178+/-0.151 χ^2/NDF:3.9/4

+ sign 0.397+/-0.079 χ^2/NDF: 24.9/20

All: 0.382+/-0.055 χ^2/NDF: 60.1/43

- sign 0.368+/-0.077 χ^2/NDF: 35.1/22

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

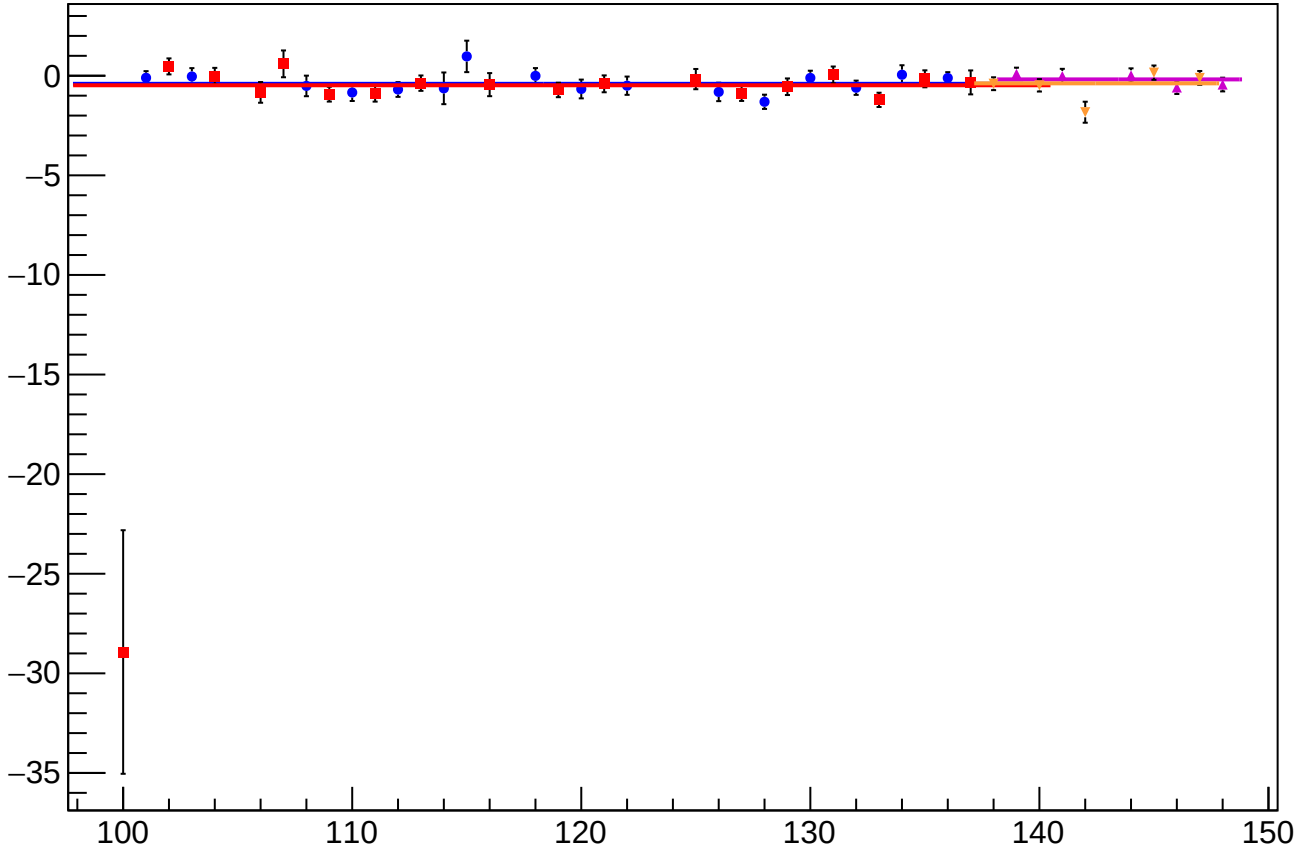
Left In: 0.061+/-0.103 χ^2/NDF:8.9/4

+ sign 0.066+/-0.072 χ^2/NDF: 21.8/20

All: 0.106+/-0.050 χ^2/NDF: 54.8/43

- sign 0.143+/-0.070 χ^2/NDF: 32.4/22

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

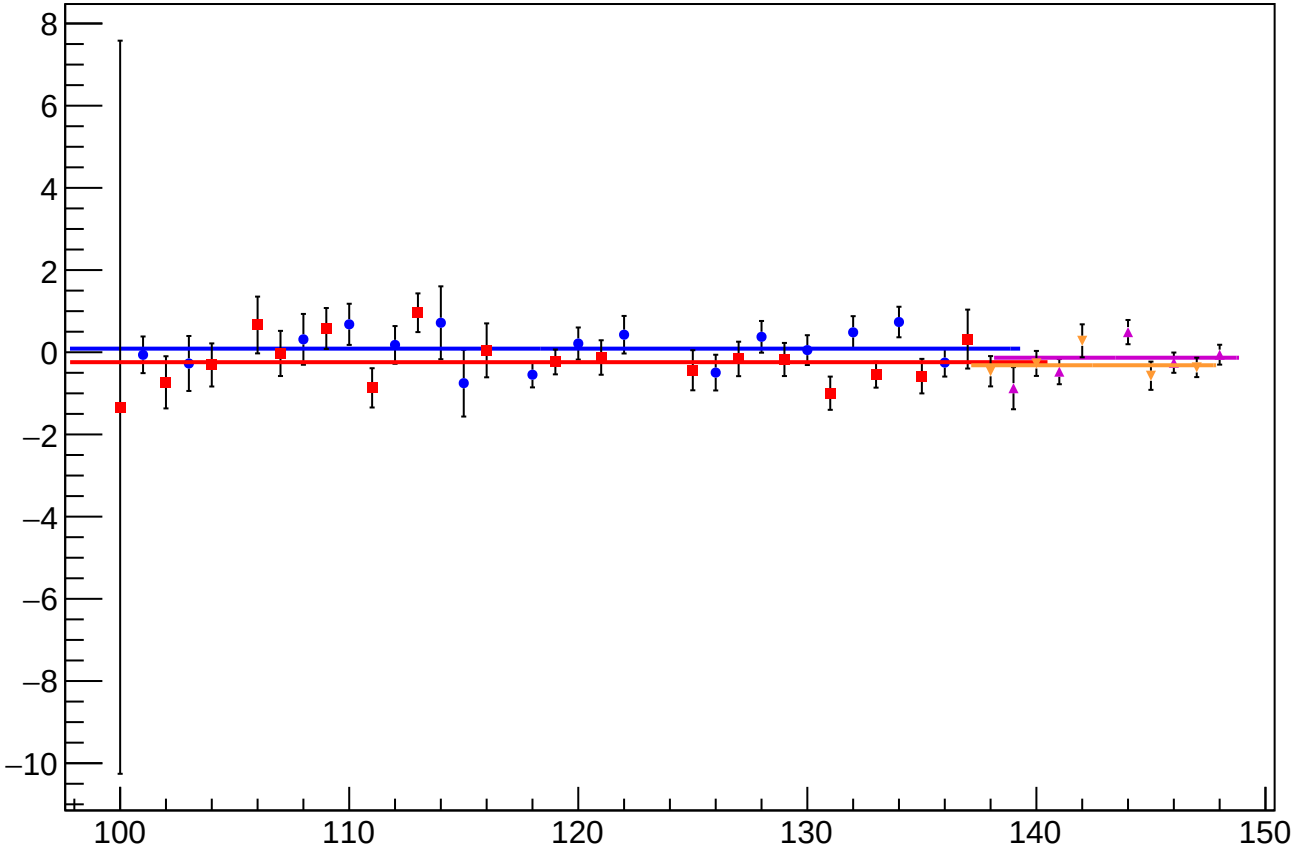
Left In: -0.184+/-0.151 χ^2/NDF:3.5/4

+ sign -0.399+/-0.087 χ^2/NDF: 28.3/20

All: -0.391+/-0.061 χ^2/NDF: 76.6/43

- sign -0.383+/-0.086 χ^2/NDF: 48.3/22

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

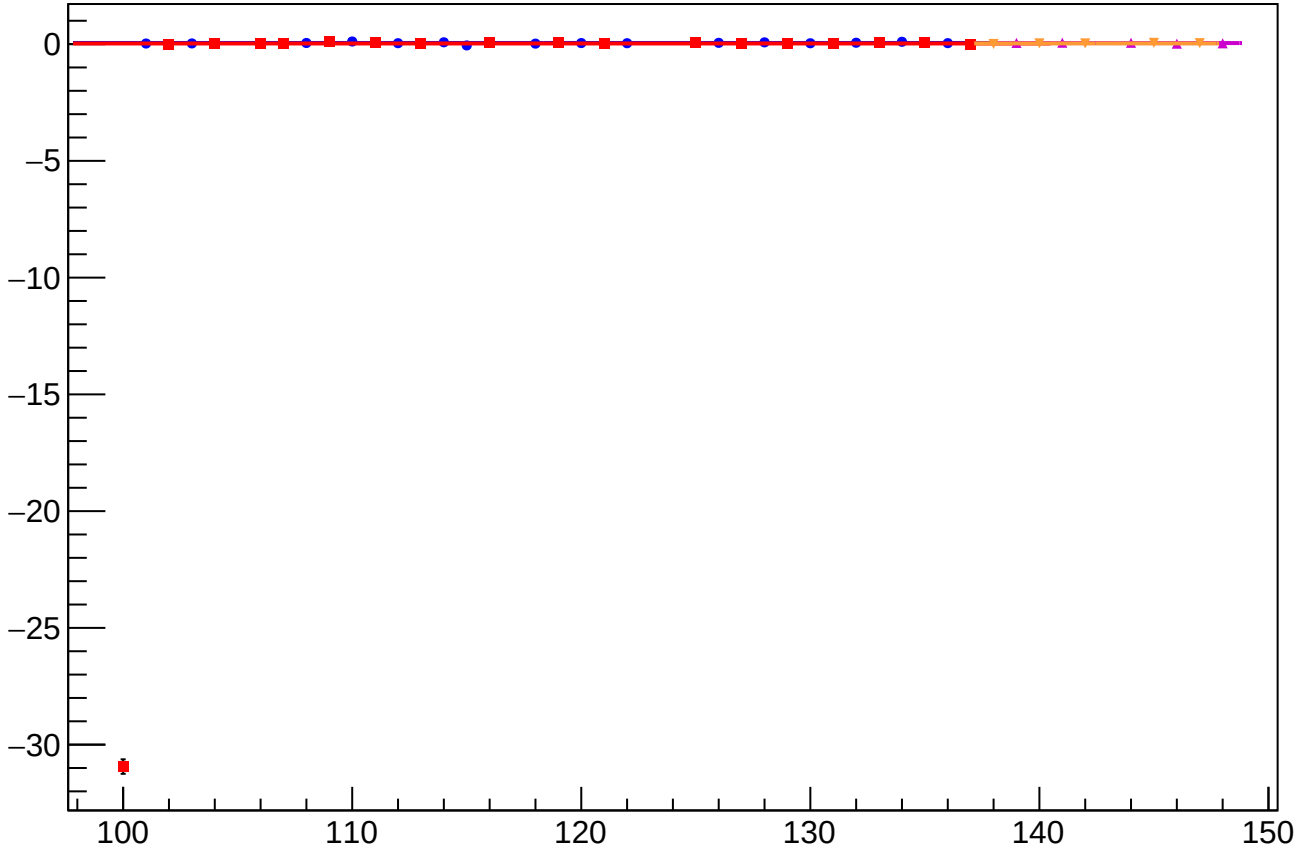
Left In: -0.133+/-0.130 χ^2/NDF:8.1/4

+ sign -0.063+/-0.086 χ^2/NDF: 24.0/20

All: -0.131+/-0.060 χ^2/NDF: 53.4/43

- sign -0.196+/-0.084 χ^2/NDF: 28.1/22

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

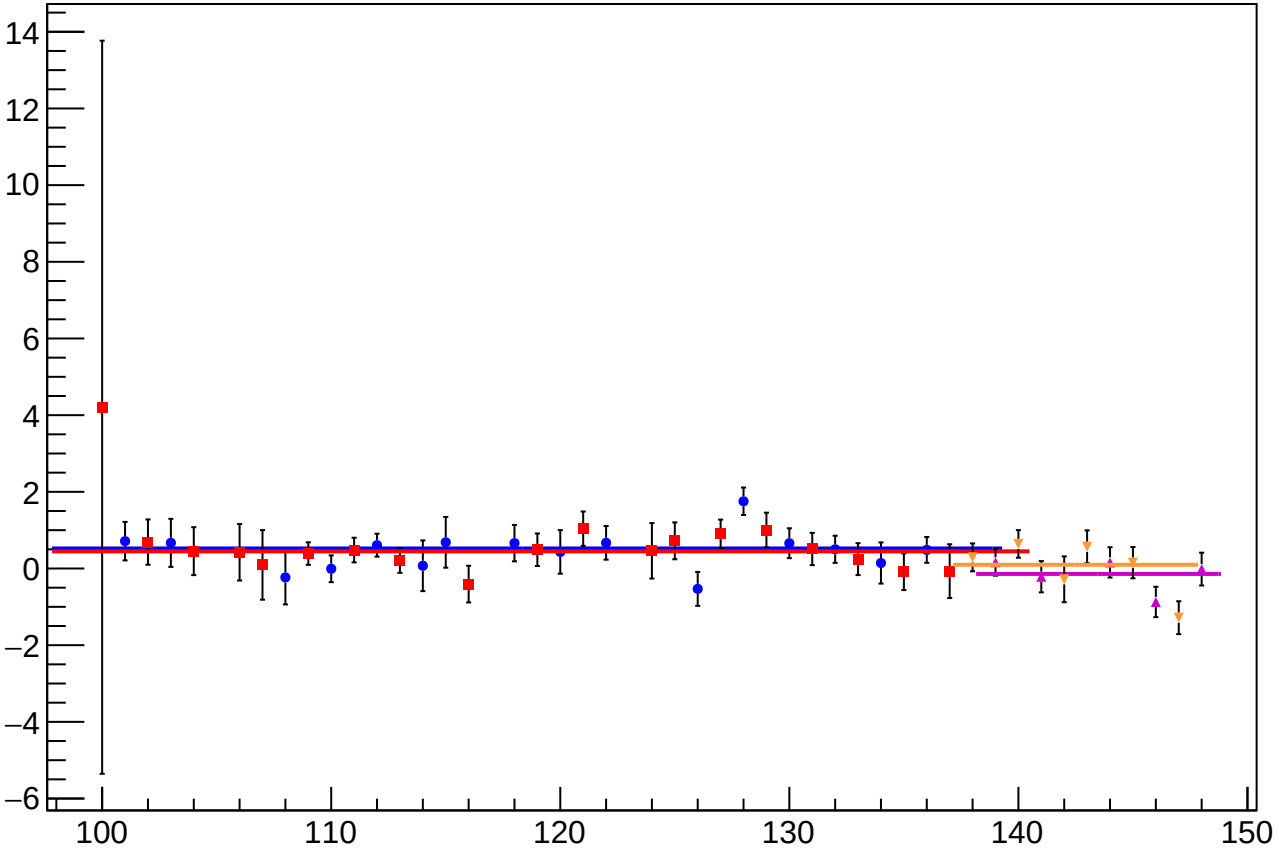
Left In: 0.045+/-0.006 χ^2/NDF:6.2/4

+ sign 0.040+/-0.005 χ^2/NDF: 29.7/20

All: 0.038+/-0.003 χ^2/NDF: 10060.9/43

- sign 0.037+/-0.004 χ^2/NDF: 10030.9/22

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

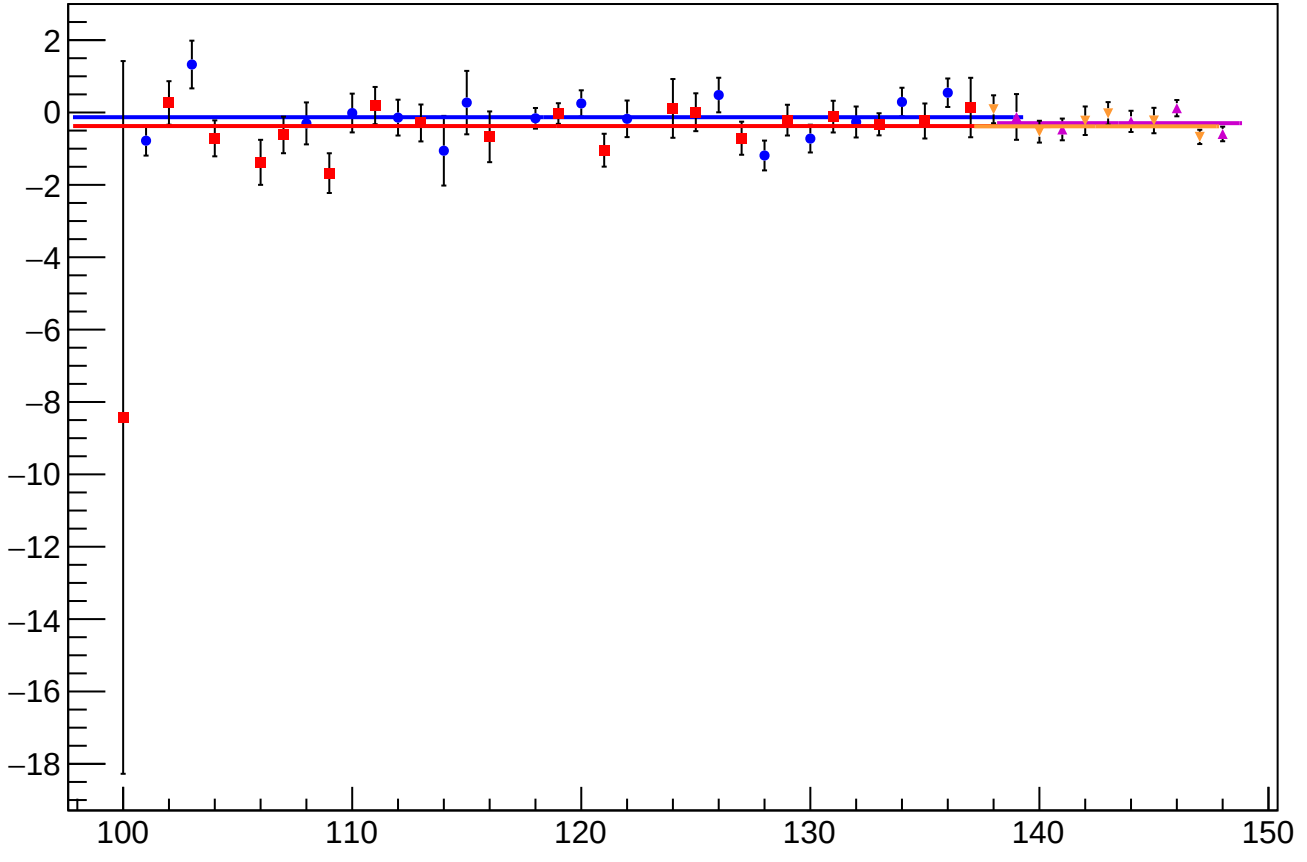
Left In: -0.142+/-0.176 χ^2/NDF:4.9/4

+ sign 0.398+/-0.091 χ^2/NDF: 41.7/21

All: 0.345+/-0.064 χ^2/NDF: 66.9/45

- sign 0.292+/-0.090 χ^2/NDF: 24.5/23

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

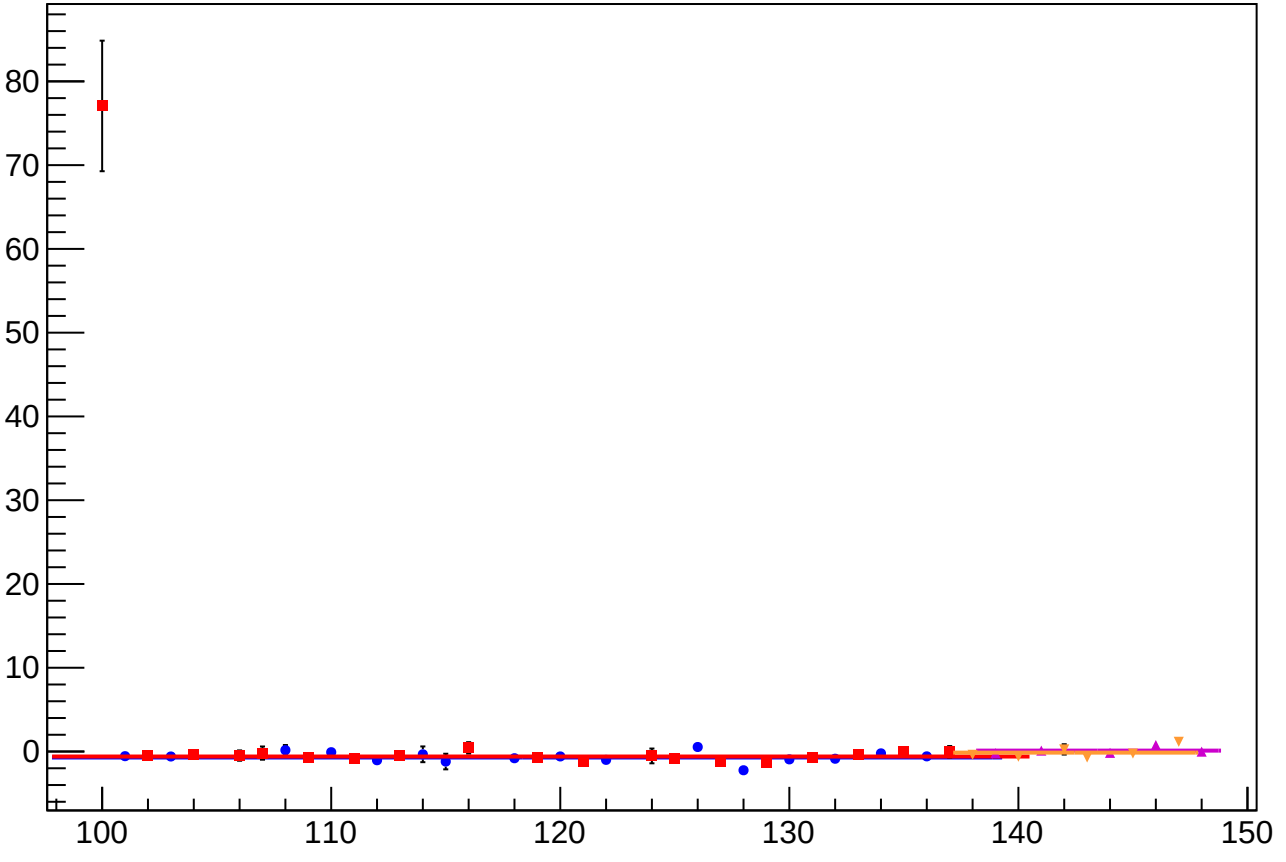
Left In: -0.295+/-0.120 χ^2/NDF:6.0/4

+ sign -0.246+/-0.082 χ^2/NDF: 32.5/21

All: -0.292+/-0.058 χ^2/NDF: 57.6/45

- sign -0.338+/-0.082 χ^2/NDF: 24.5/23

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

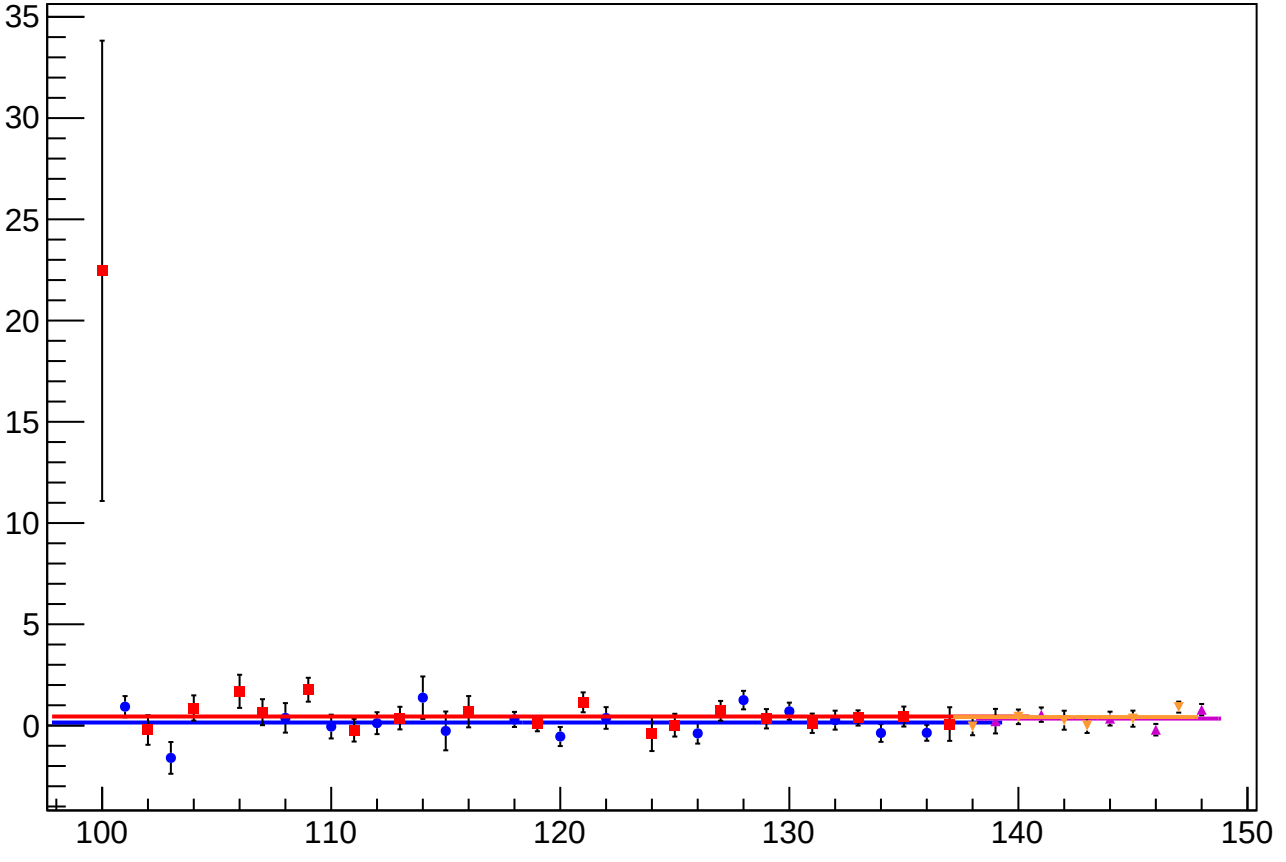
Left In: 0.107+/-0.176 χ^2/NDF:4.3/4

+ sign -0.518+/-0.099 χ^2/NDF: 47.4/21

All: -0.444+/-0.070 χ^2/NDF: 174.7/45

- sign -0.369+/-0.100 χ^2/NDF: 126.1/23

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

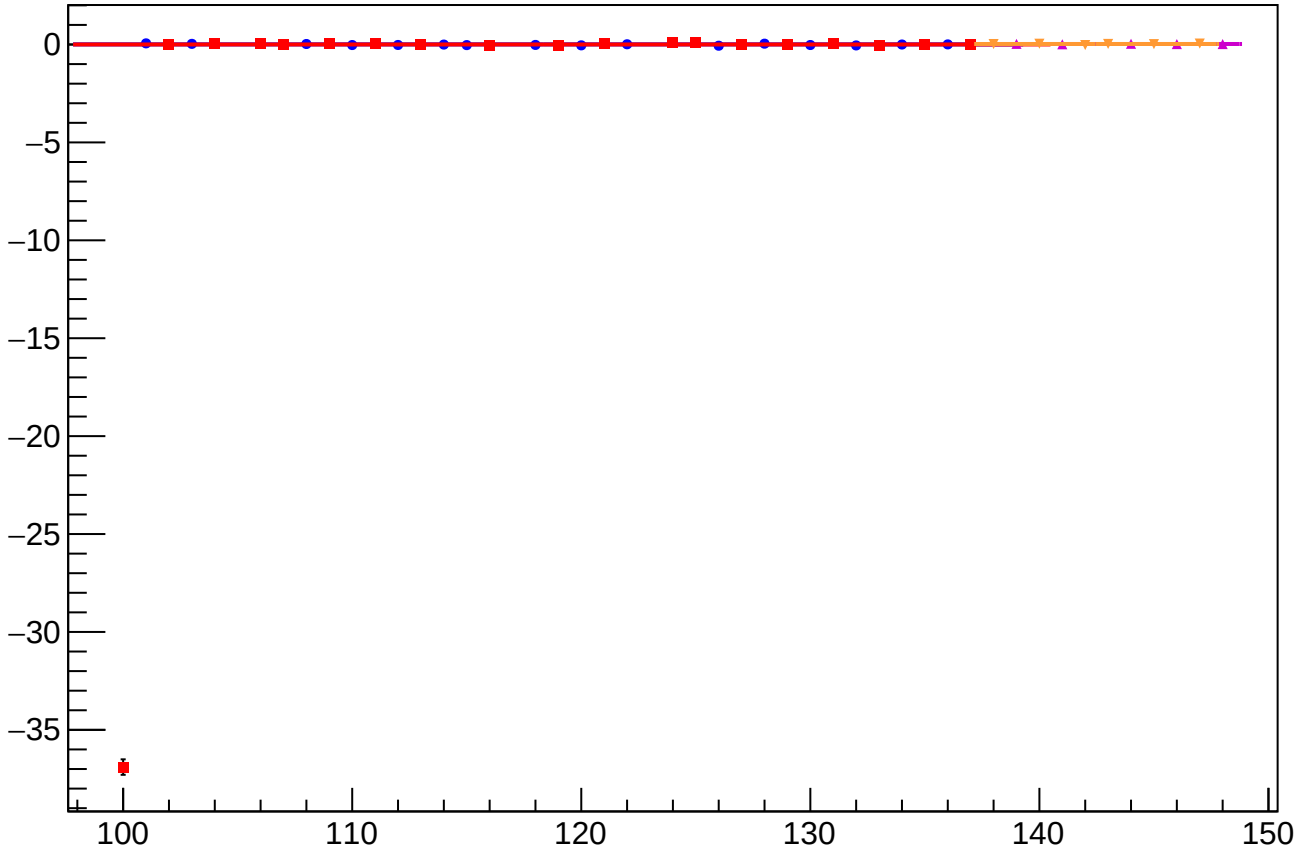
Left In: 0.343+/-0.151 χ^2/NDF:6.5/4

+ sign 0.262+/-0.097 χ^2/NDF: 31.0/21

All: 0.332+/-0.069 χ^2/NDF: 58.5/45

- sign 0.402+/-0.098 χ^2/NDF: 26.5/23

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

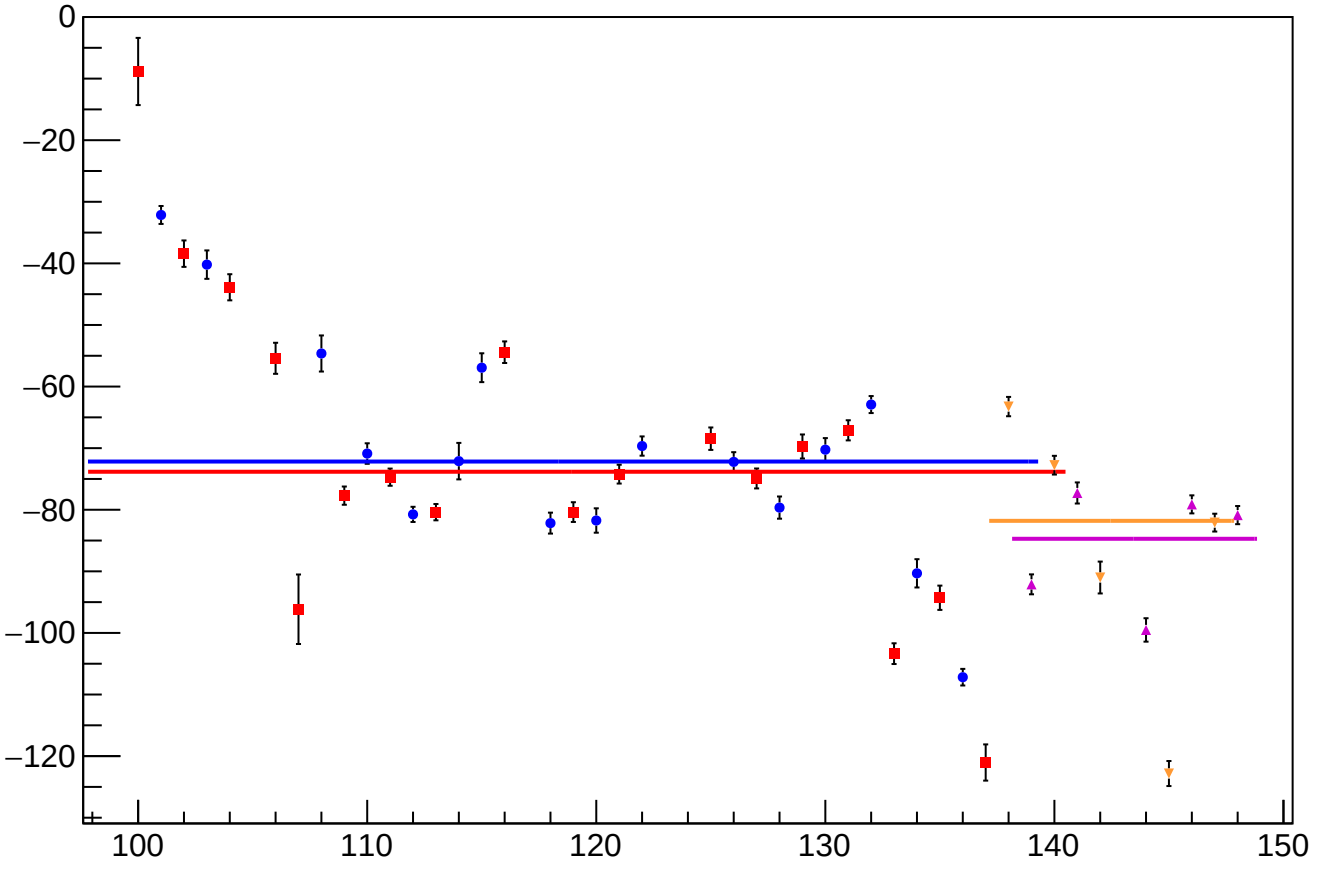
Left In: 0.026+/-0.007 χ^2/NDF:1.5/4

+ sign 0.017+/-0.005 χ^2/NDF: 28.4/21

All: 0.016+/-0.004 χ^2/NDF: 8788.7/45

- sign 0.015+/-0.005 χ^2/NDF: 8760.2/23

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

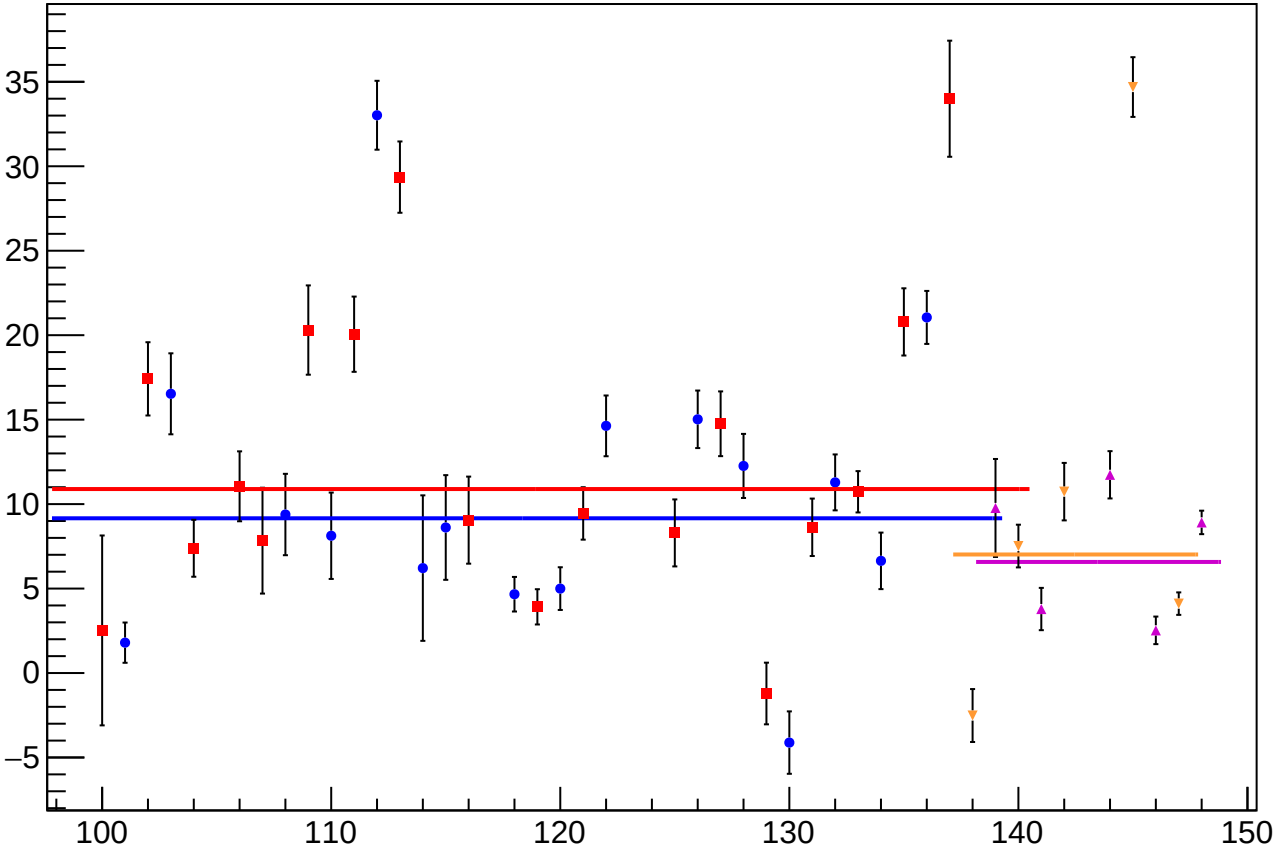
Left In: -84.715+/-0.721 χ^2/NDF:121.7/4

+ sign -74.500+/-0.376 χ^2/NDF: 2651.4/20

All: -75.617+/-0.264 χ^2/NDF: 4516.2/43

- sign -76.695+/-0.370 χ^2/NDF: 1847.5/22

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

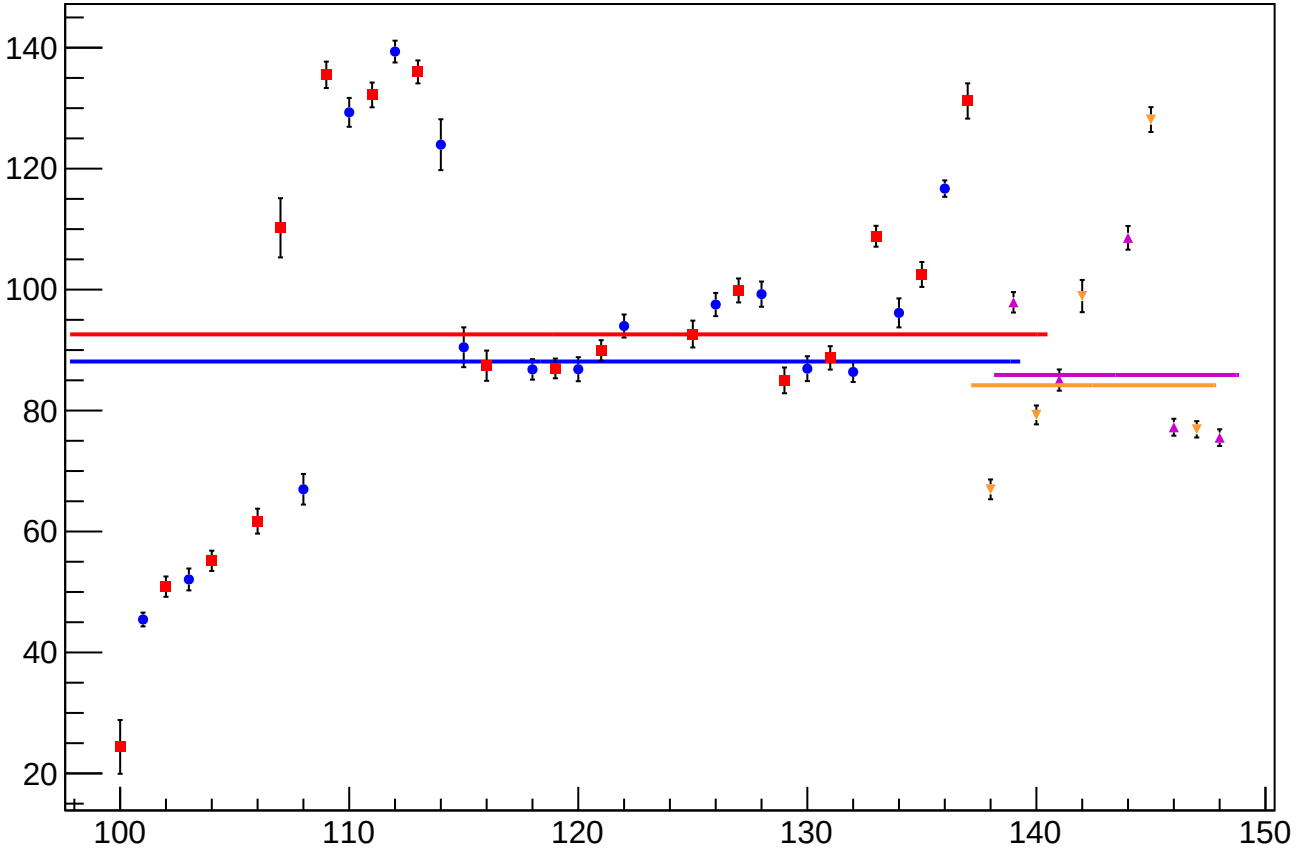
Left In: 6.576+/-0.454 χ^2/NDF:55.7/4

+ sign 8.267+/-0.325 χ^2/NDF: 668.8/20

All: 8.542+/-0.226 χ^2/NDF: 1062.7/43

- sign 8.803+/-0.316 χ^2/NDF: 392.5/22

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

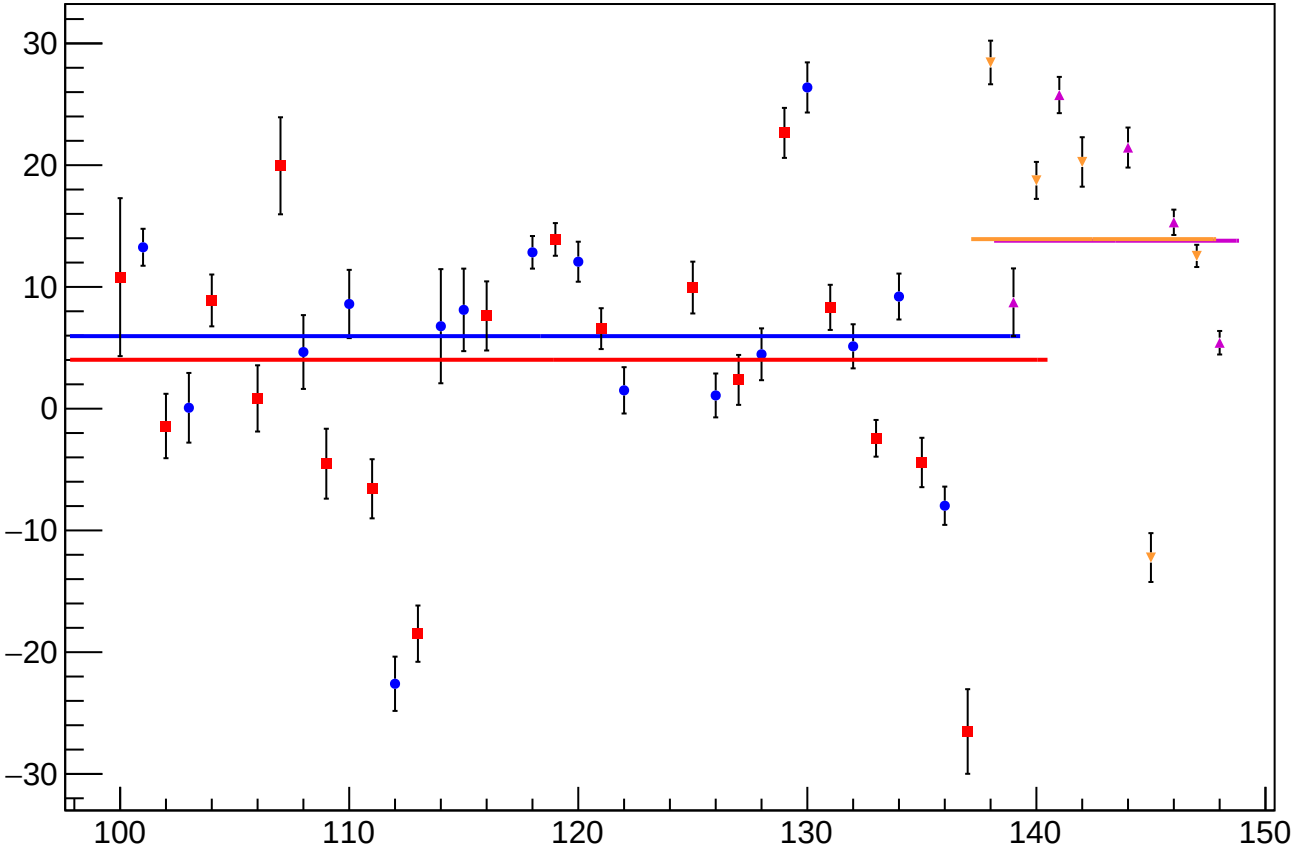
Left In: 85.886+/-0.712 χ^2/NDF:279.5/4

+ sign 87.040+/-0.400 χ^2/NDF: 4216.4/20

All: 88.760+/-0.283 χ^2/NDF: 7804.7/43

- sign 90.481+/-0.400 χ^2/NDF: 3551.3/22

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

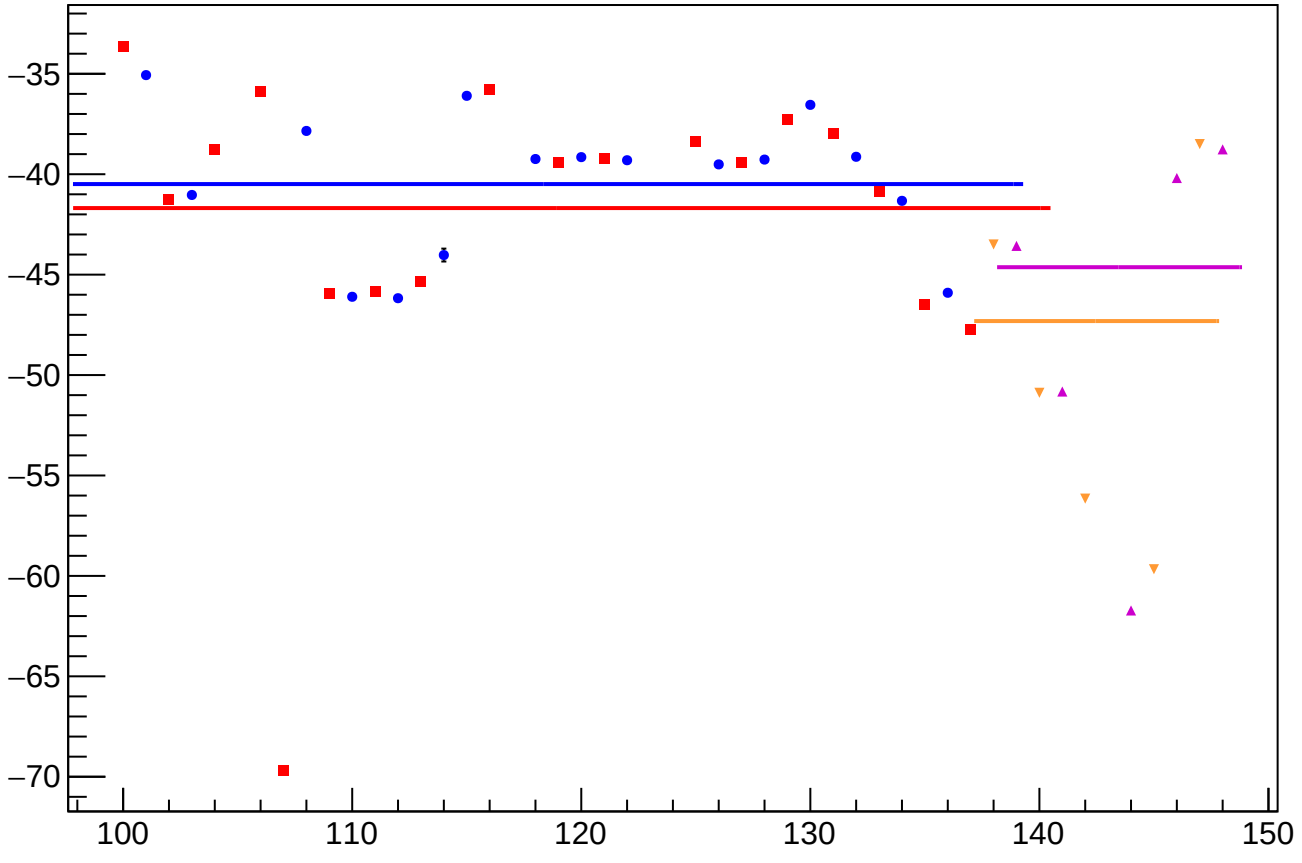
Left In: 13.795+/-0.583 χ^2/NDF:166.8/4

+ sign 8.935+/-0.392 χ^2/NDF: 781.4/20

All: 8.587+/-0.274 χ^2/NDF: 1527.0/43

- sign 8.254+/-0.384 χ^2/NDF: 744.1/22

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

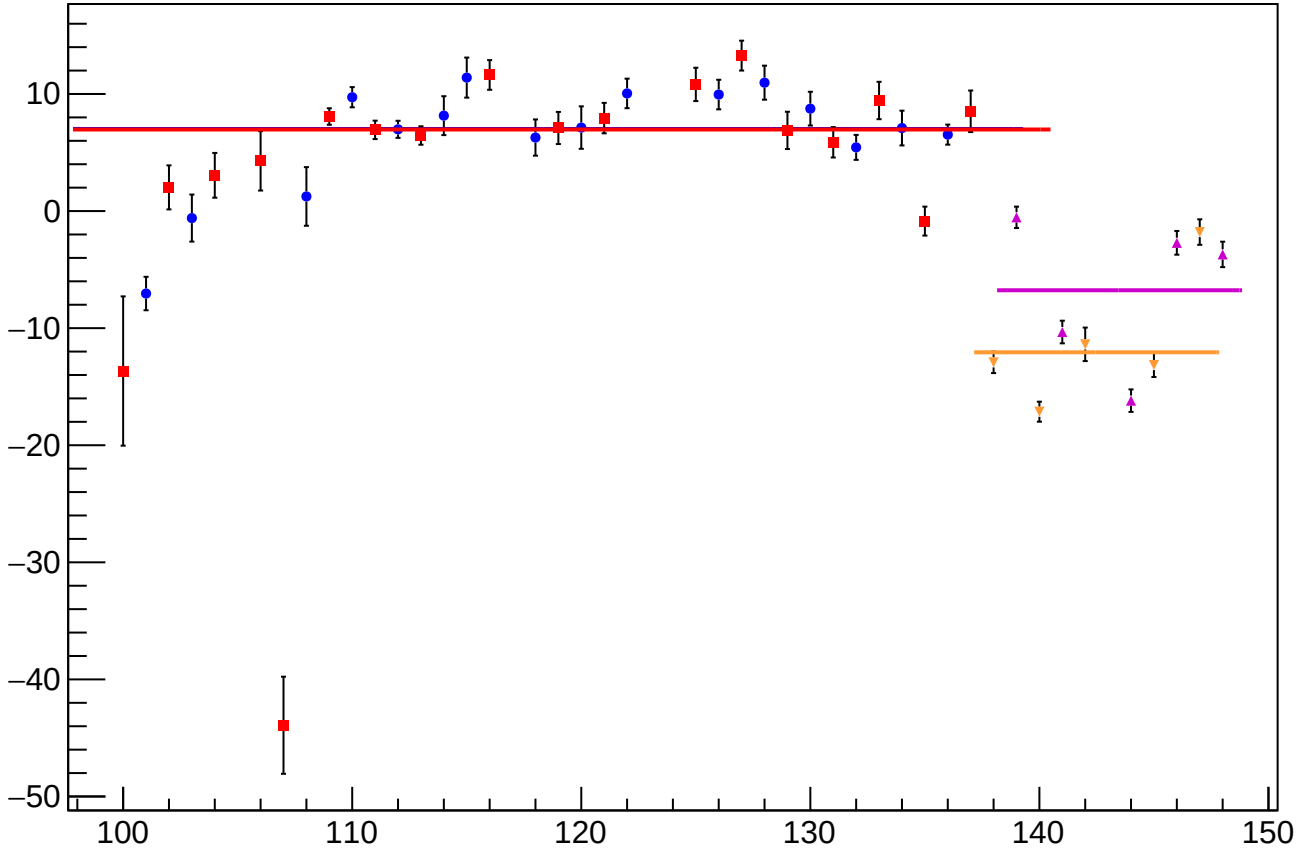
Left In: -44.630+/-0.029 χ^2/NDF:61974.9/4

+ sign -43.443+/-0.021 χ^2/NDF: 100461.6/20

All: -43.304+/-0.015 χ^2/NDF: 204483.1/43

- sign -43.176+/-0.021 χ^2/NDF: 103940.3/22

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

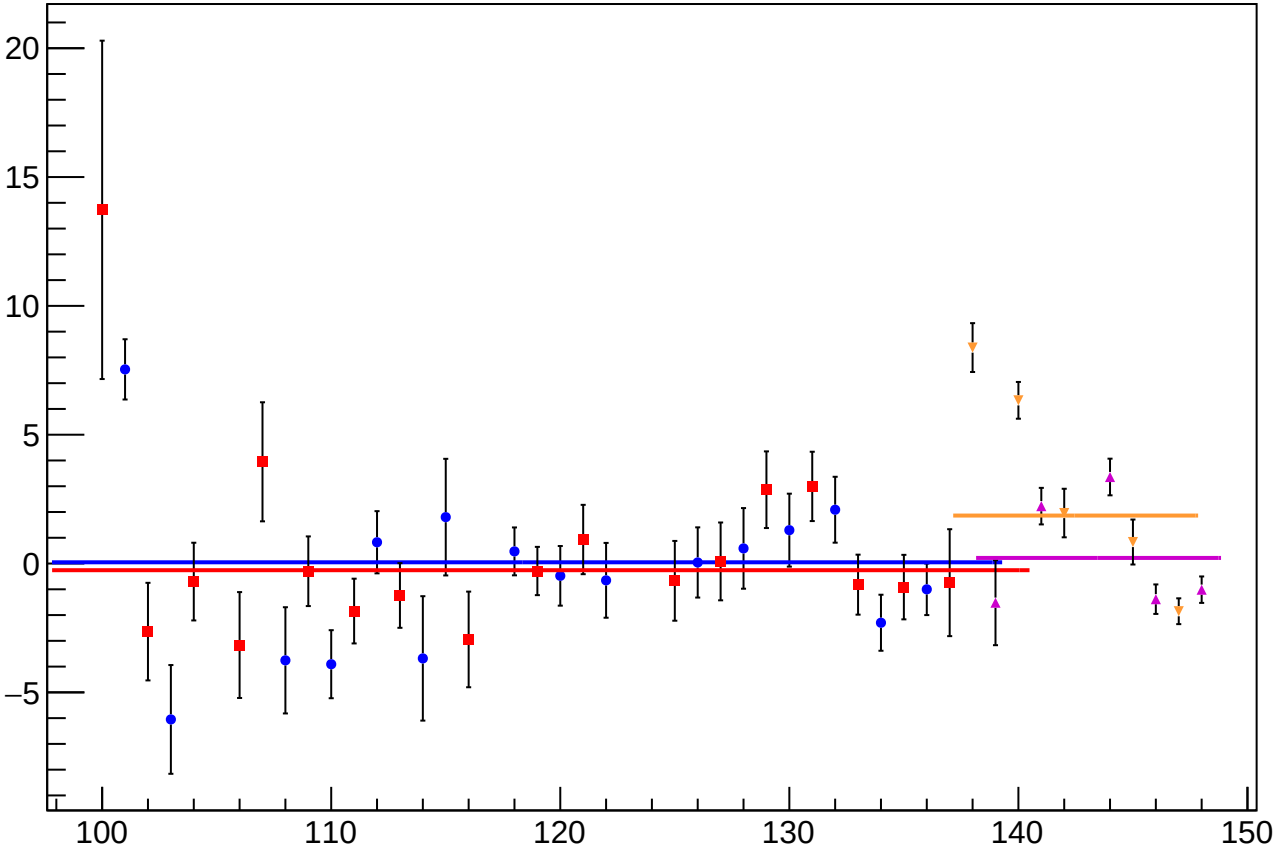
Left In: -6.764+/-0.440 χ^2/NDF:180.1/4

\+ sign 0.975+/-0.256 χ^2/NDF: 1486.5/20

All: 1.838+/-0.178 χ^2/NDF: 2622.5/43

\- sign 2.642+/-0.247 χ^2/NDF: 1113.9/22

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

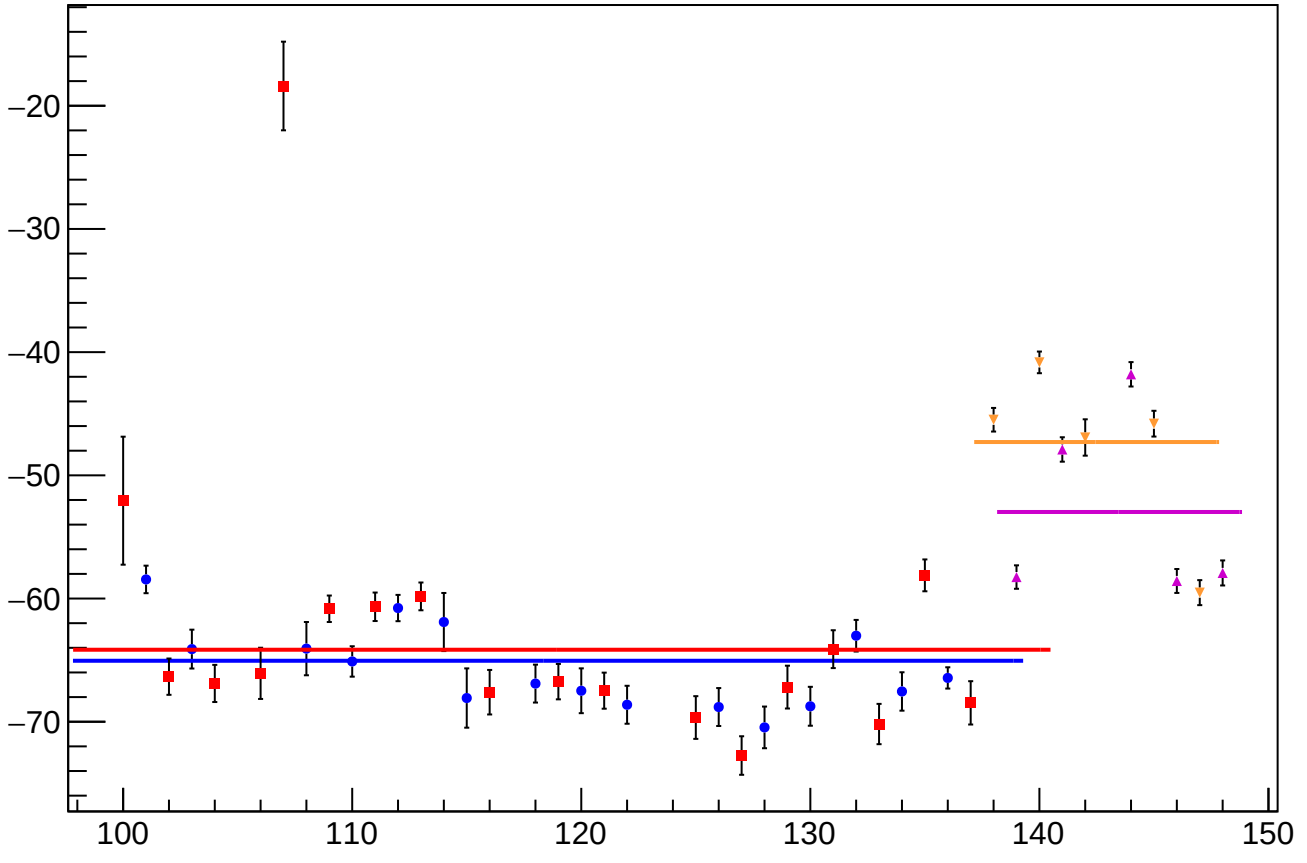
Left In: 0.218+/-0.299 χ^2/NDF:42.2/4

+ sign 0.975+/-0.232 χ^2/NDF: 233.2/20

All: 0.481+/-0.162 χ^2/NDF: 312.9/43

- sign 0.013+/-0.226 χ^2/NDF: 70.9/22

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

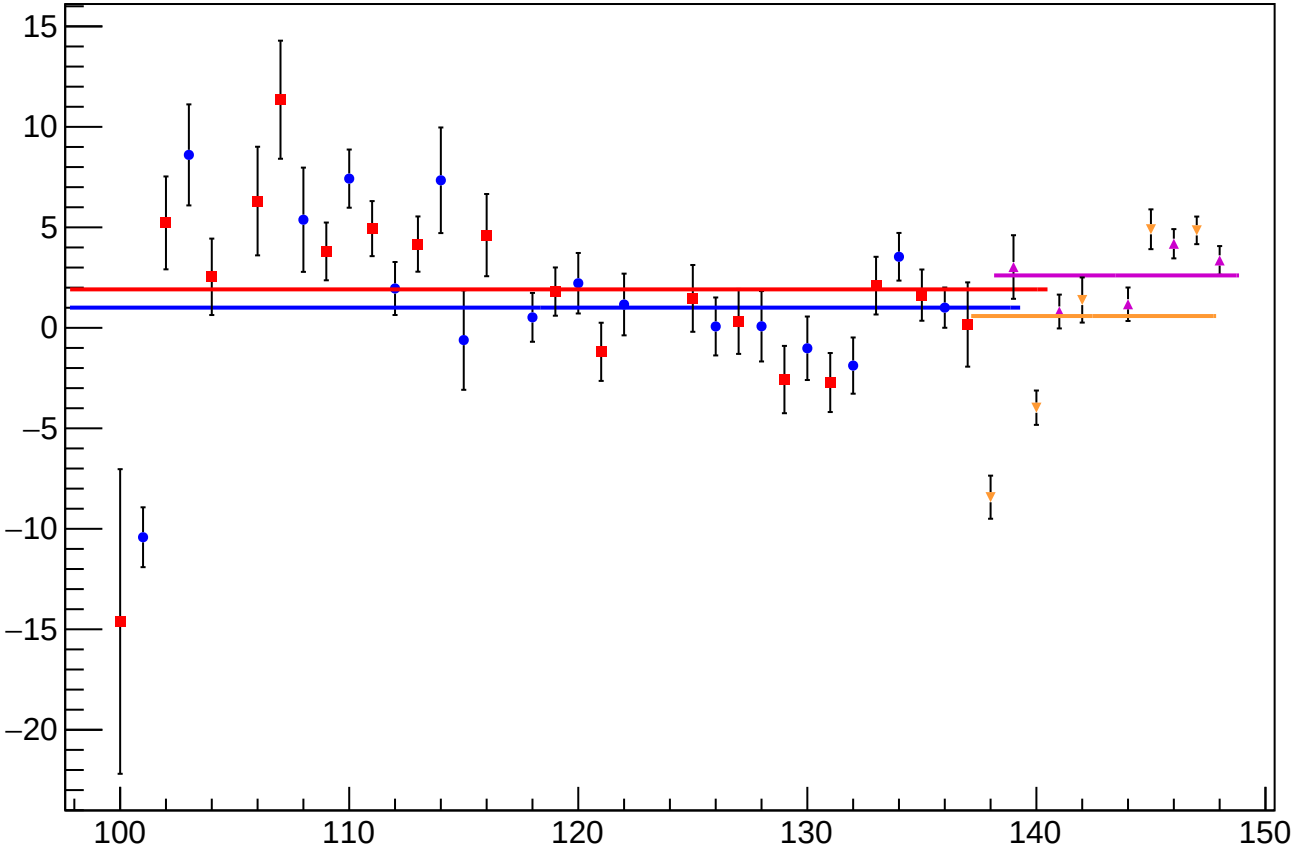
Left In: -52.974+/-0.440 χ^2/NDF:241.2/4

+ sign -58.446+/-0.281 χ^2/NDF: 1233.6/20

All: -59.059+/-0.198 χ^2/NDF: 2174.5/43

- sign -59.664+/-0.279 χ^2/NDF: 931.5/22

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

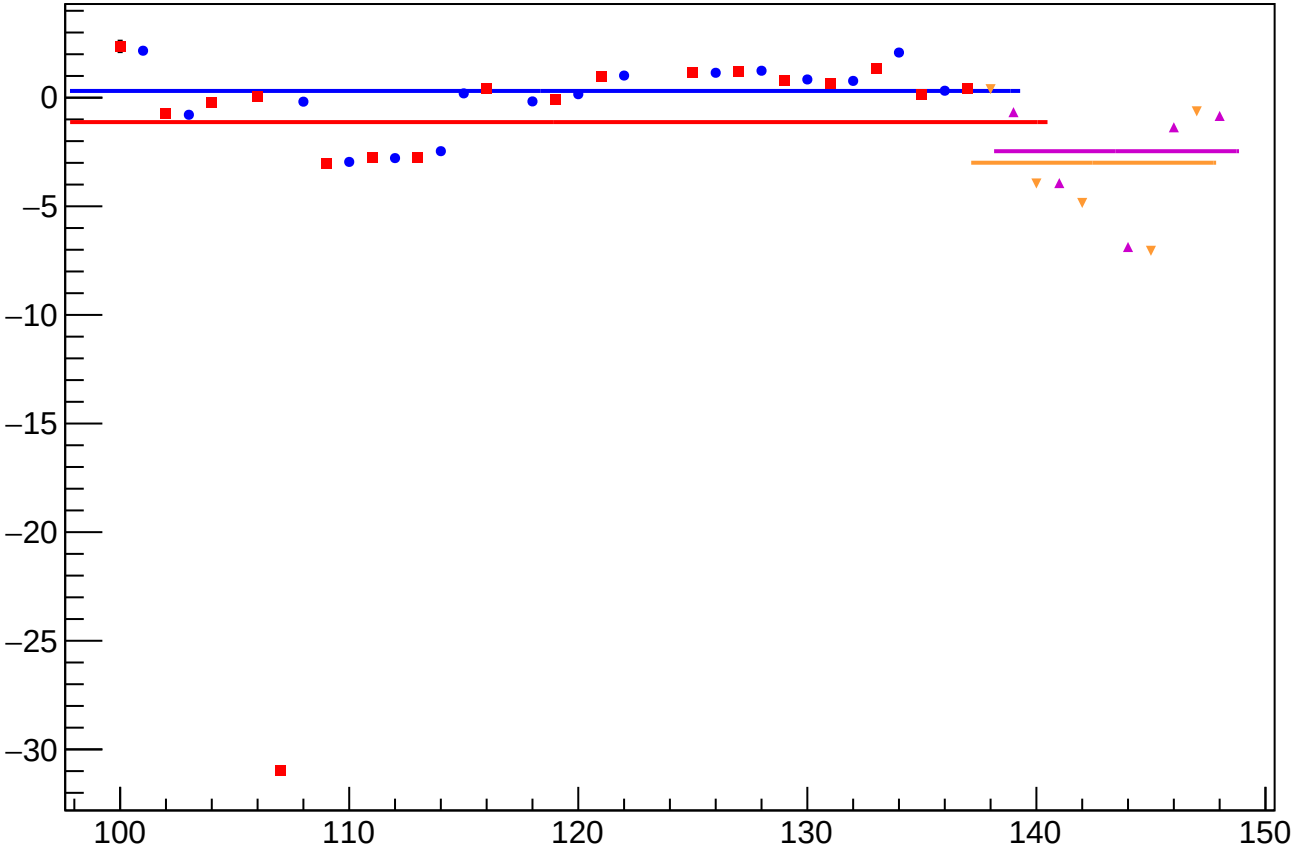
Left In: 2.608+/-0.375 χ^2/NDF:13.4/4

+ sign 0.811+/-0.275 χ^2/NDF: 267.0/20

All: 1.554+/-0.193 χ^2/NDF: 350.9/43

- sign 2.274+/-0.270 χ^2/NDF: 69.5/22

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

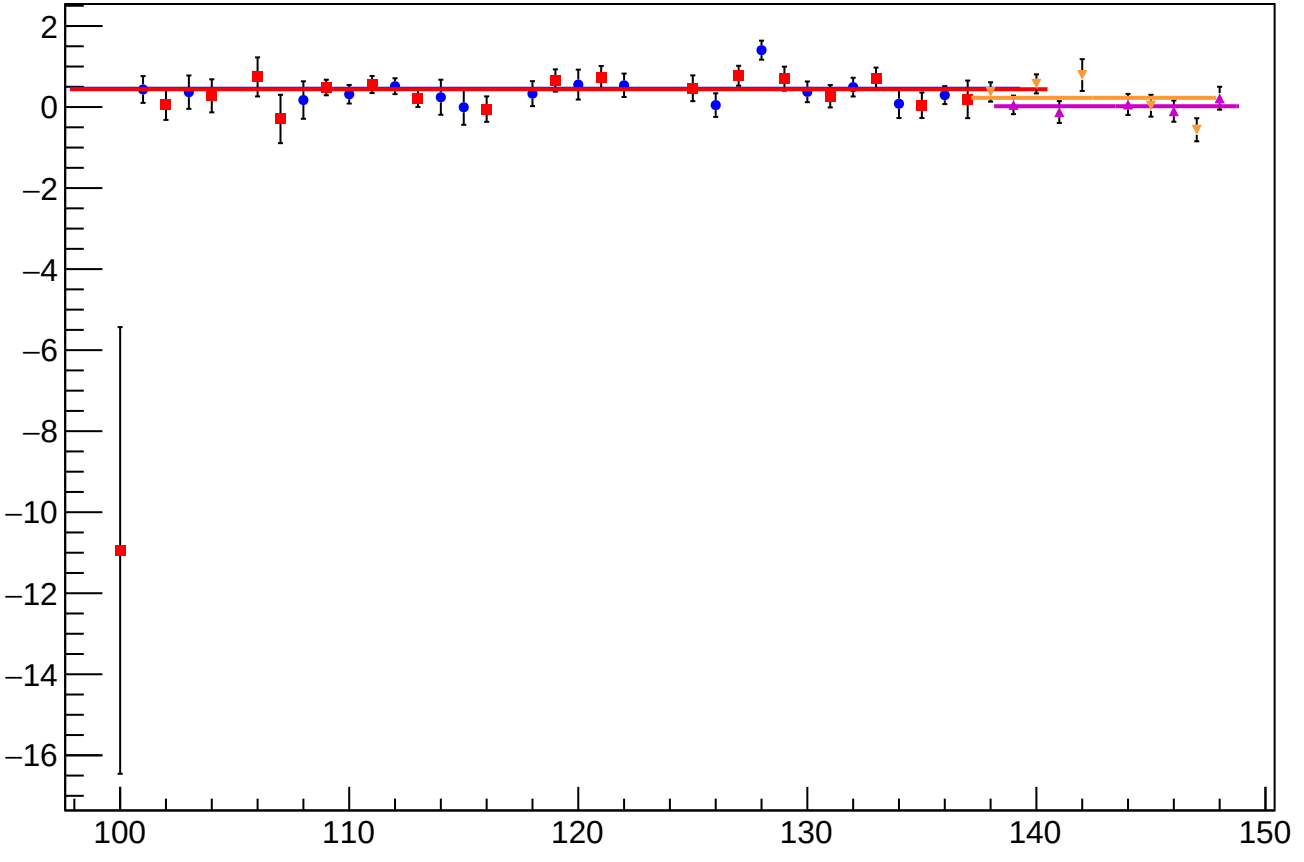
Left In: -2.464+/-0.018 χ^2/NDF:16267.4/4

+ sign -1.493+/-0.014 χ^2/NDF: 40204.9/20

All: -1.721+/-0.010 χ^2/NDF: 105536.9/43

- sign -1.939+/-0.014 χ^2/NDF: 64828.9/22

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

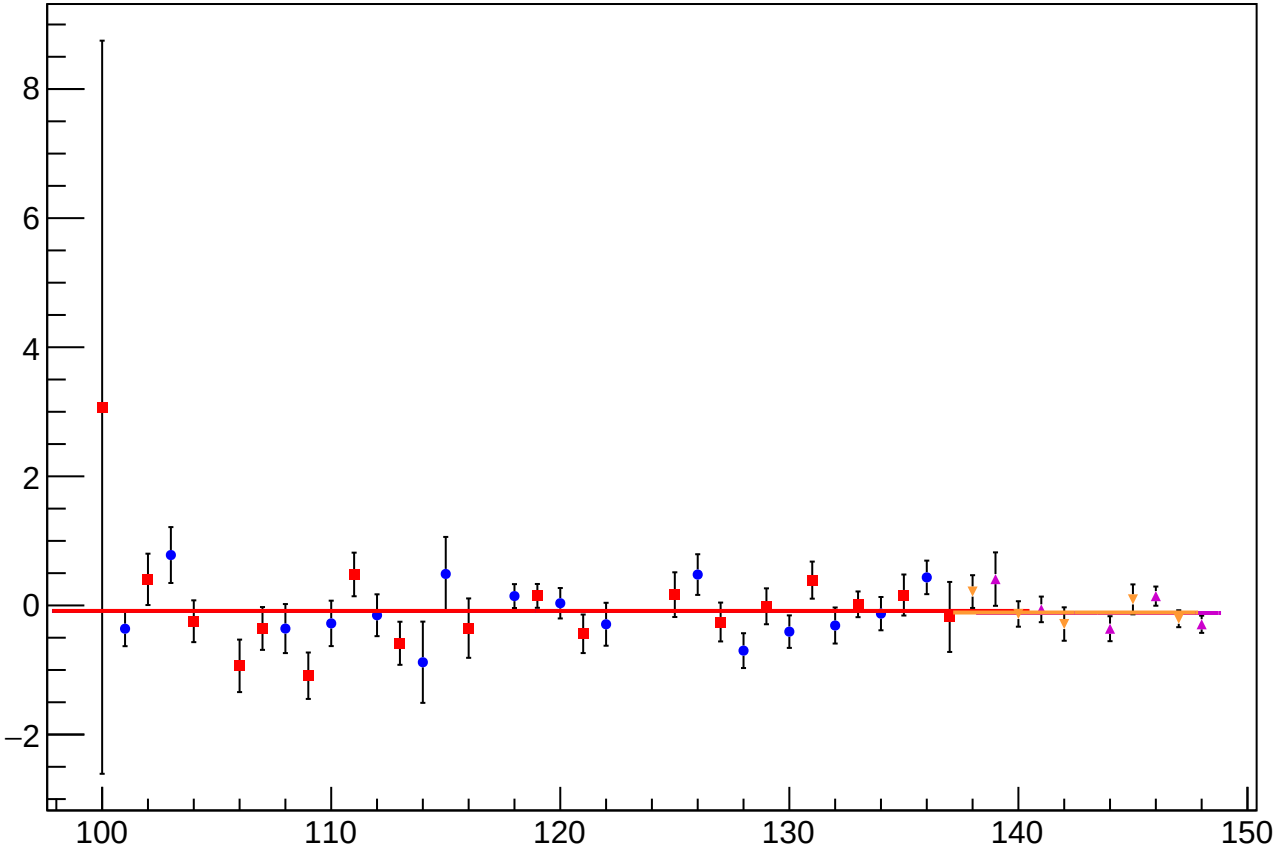
Left In: 0.020+/-0.116 χ^2/NDF:1.0/4

+ sign 0.394+/-0.061 χ^2/NDF: 38.0/20

All: 0.360+/-0.043 χ^2/NDF: 67.8/43

- sign 0.328+/-0.060 χ^2/NDF: 29.2/22

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

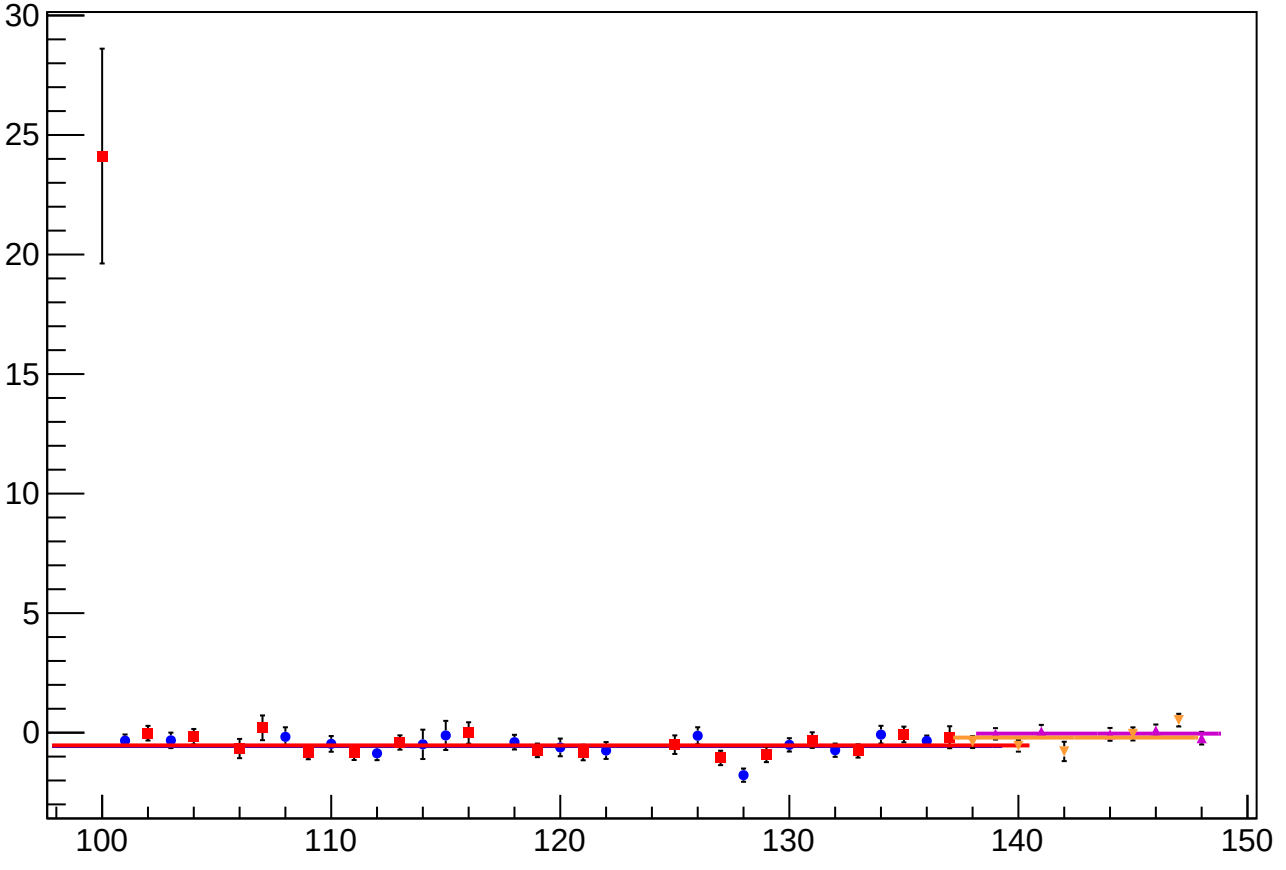
Left In: -0.117+/-0.079 χ^2/NDF:8.1/4

+ sign -0.096+/-0.056 χ^2/NDF: 28.8/20

All: -0.098+/-0.039 χ^2/NDF: 64.9/43

- sign -0.100+/-0.054 χ^2/NDF: 36.0/22

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

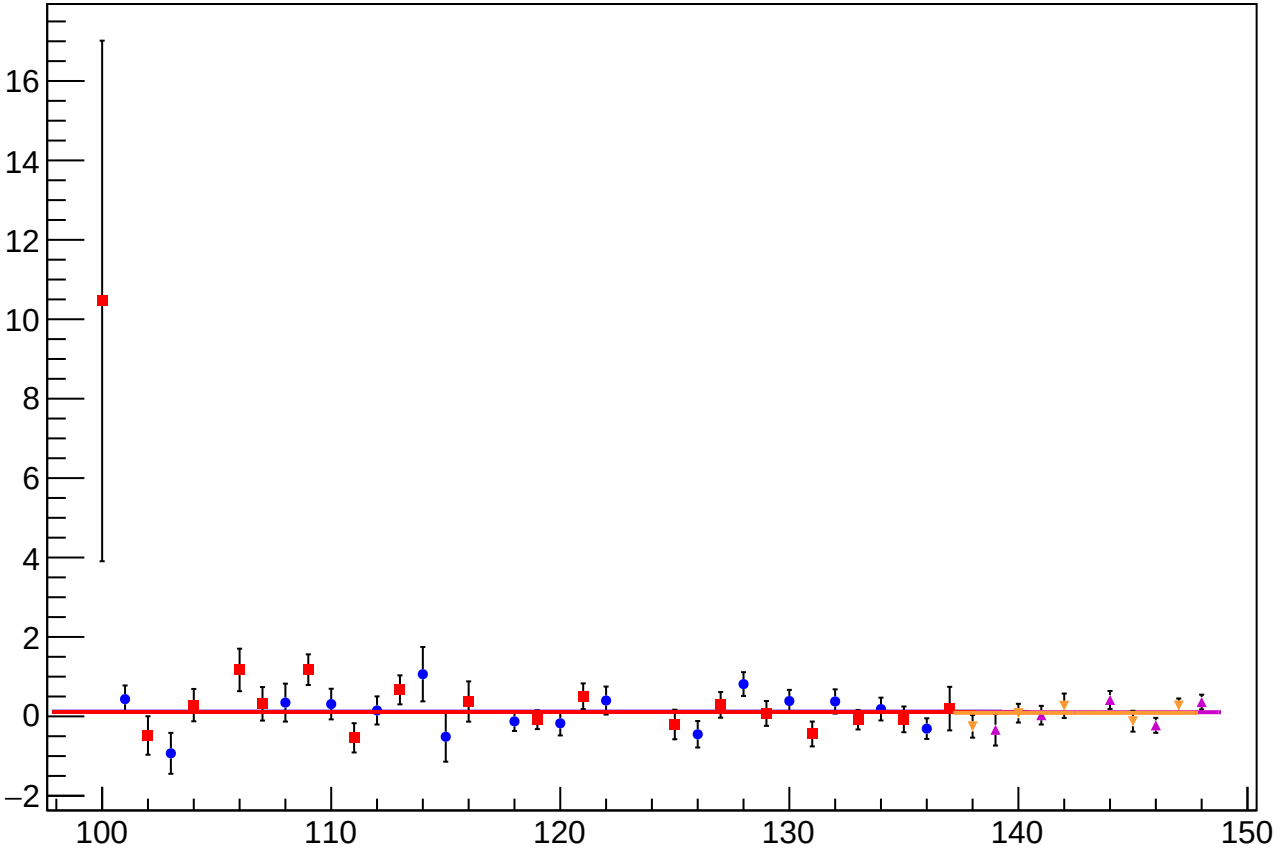
Left In: -0.041+/-0.116 χ^2/NDF:0.9/4

+ sign -0.453+/-0.067 χ^2/NDF: 46.7/20

All: -0.413+/-0.047 χ^2/NDF: 109.7/43

- sign -0.373+/-0.066 χ^2/NDF: 62.3/22

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

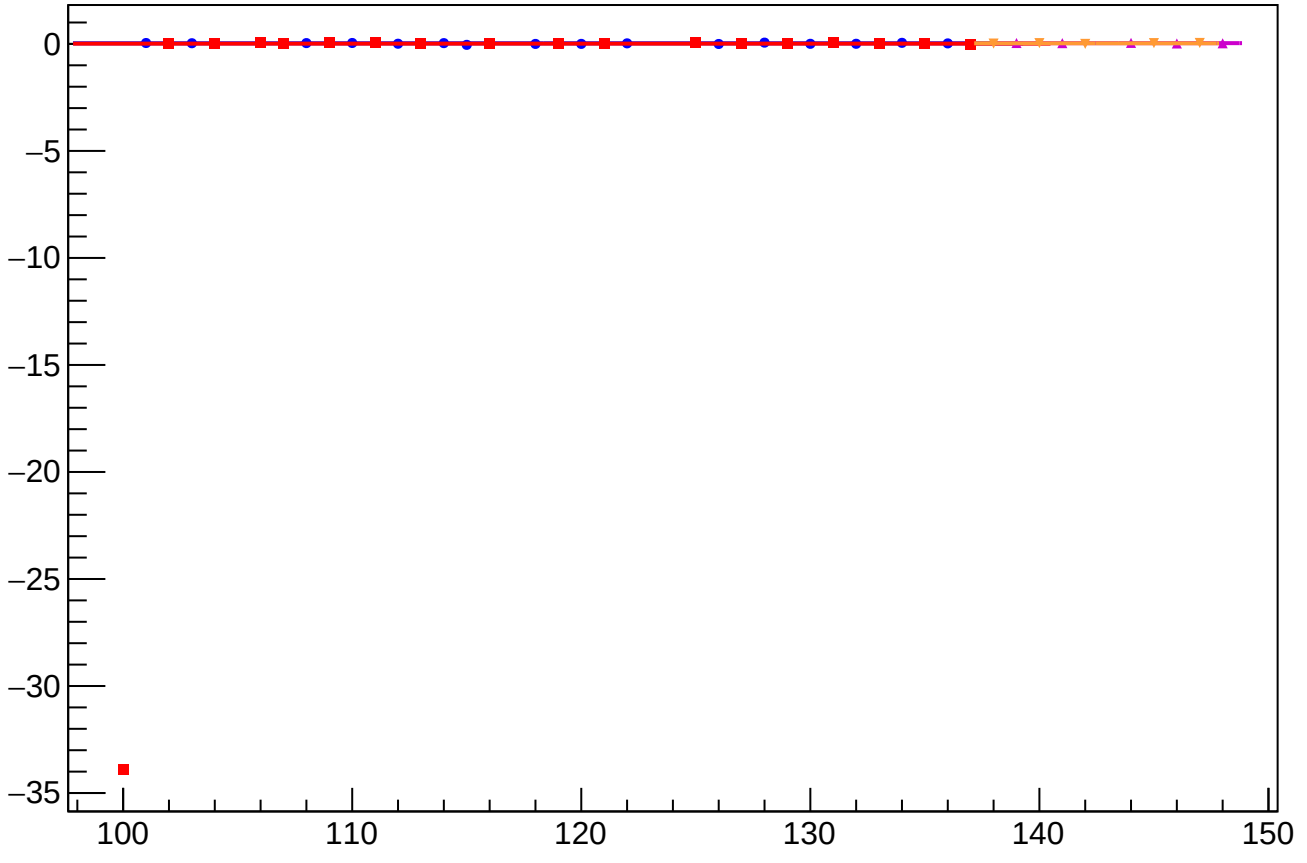
Left In: 0.105+/-0.099 χ^2/NDF:8.2/4

+ sign 0.107+/-0.066 χ^2/NDF: 27.1/20

All: 0.108+/-0.046 χ^2/NDF: 64.3/43

- sign 0.109+/-0.064 χ^2/NDF: 37.2/22

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

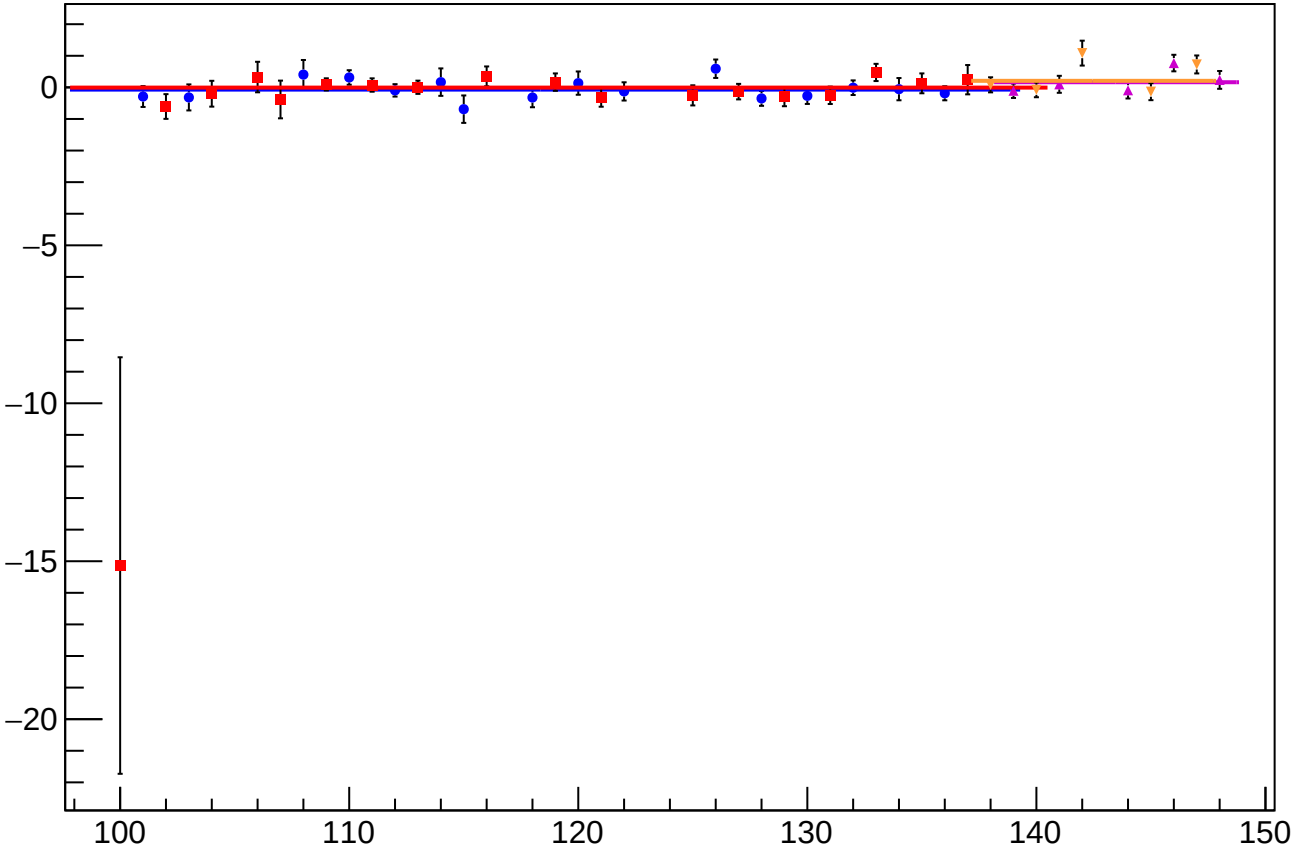
Left In: 0.035+/-0.005 χ^2/NDF:4.1/4

+ sign 0.028+/-0.004 χ^2/NDF: 22.0/20

All: 0.026+/-0.002 χ^2/NDF: 22300.8/43

- sign 0.024+/-0.003 χ^2/NDF: 22278.3/22

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

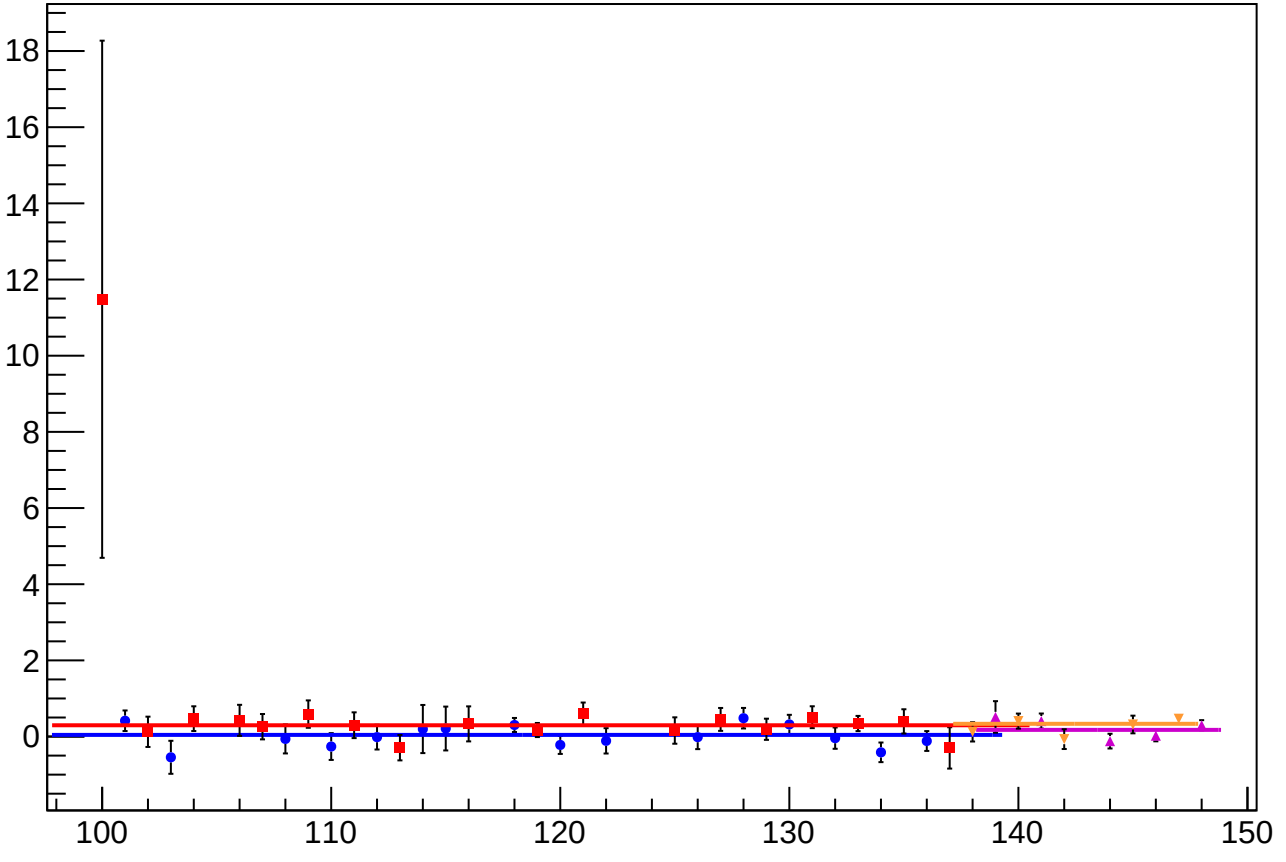
Left In: 0.163+/-0.116 χ^2/NDF:7.8/4

+ sign 0.001+/-0.061 χ^2/NDF: 31.0/20

All: 0.020+/-0.043 χ^2/NDF: 58.8/43

- sign 0.038+/-0.060 χ^2/NDF: 27.6/22

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

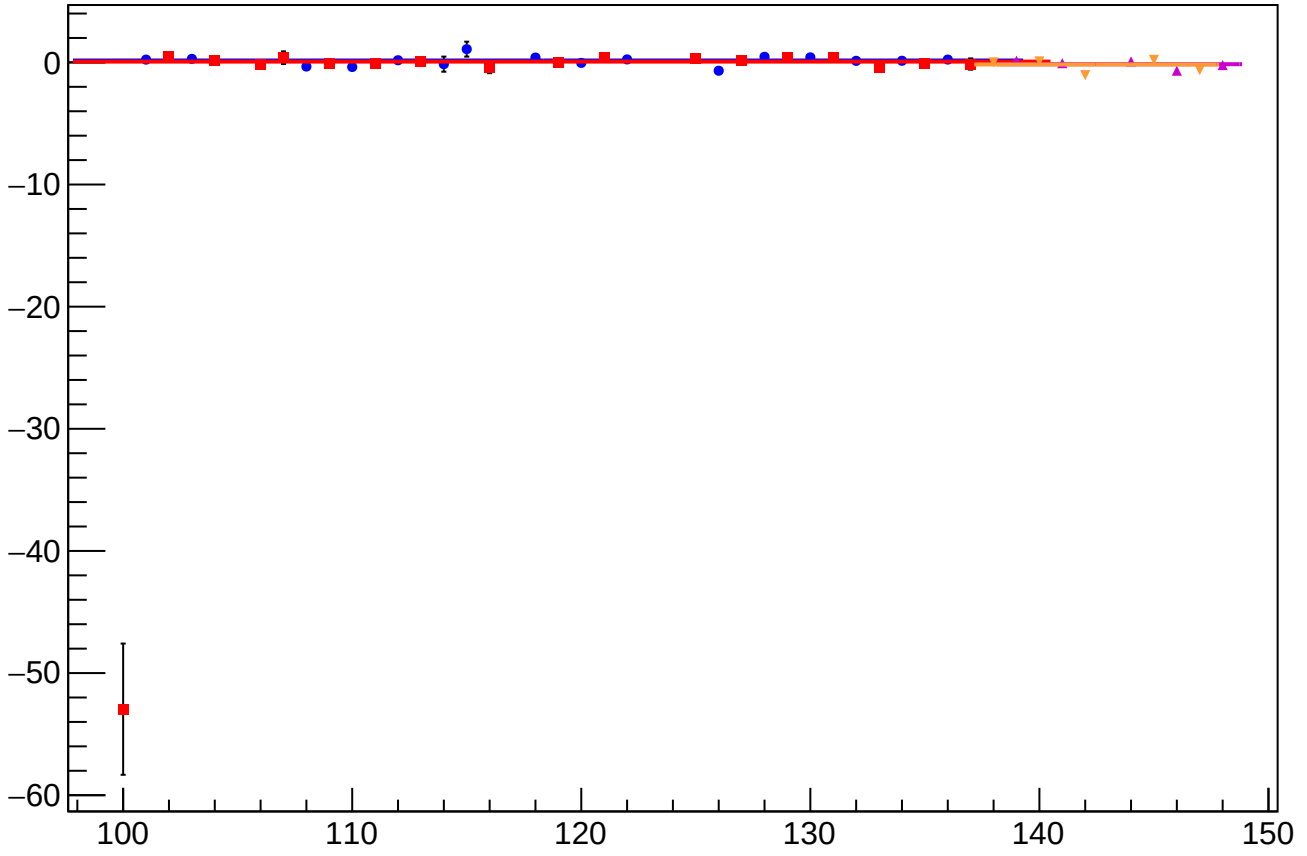
Left In: 0.175+/-0.079 χ^2/NDF:6.3/4

+ sign 0.164+/-0.056 χ^2/NDF: 26.6/20

All: 0.204+/-0.039 χ^2/NDF: 46.0/43

- sign 0.240+/-0.054 χ^2/NDF: 18.5/22

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

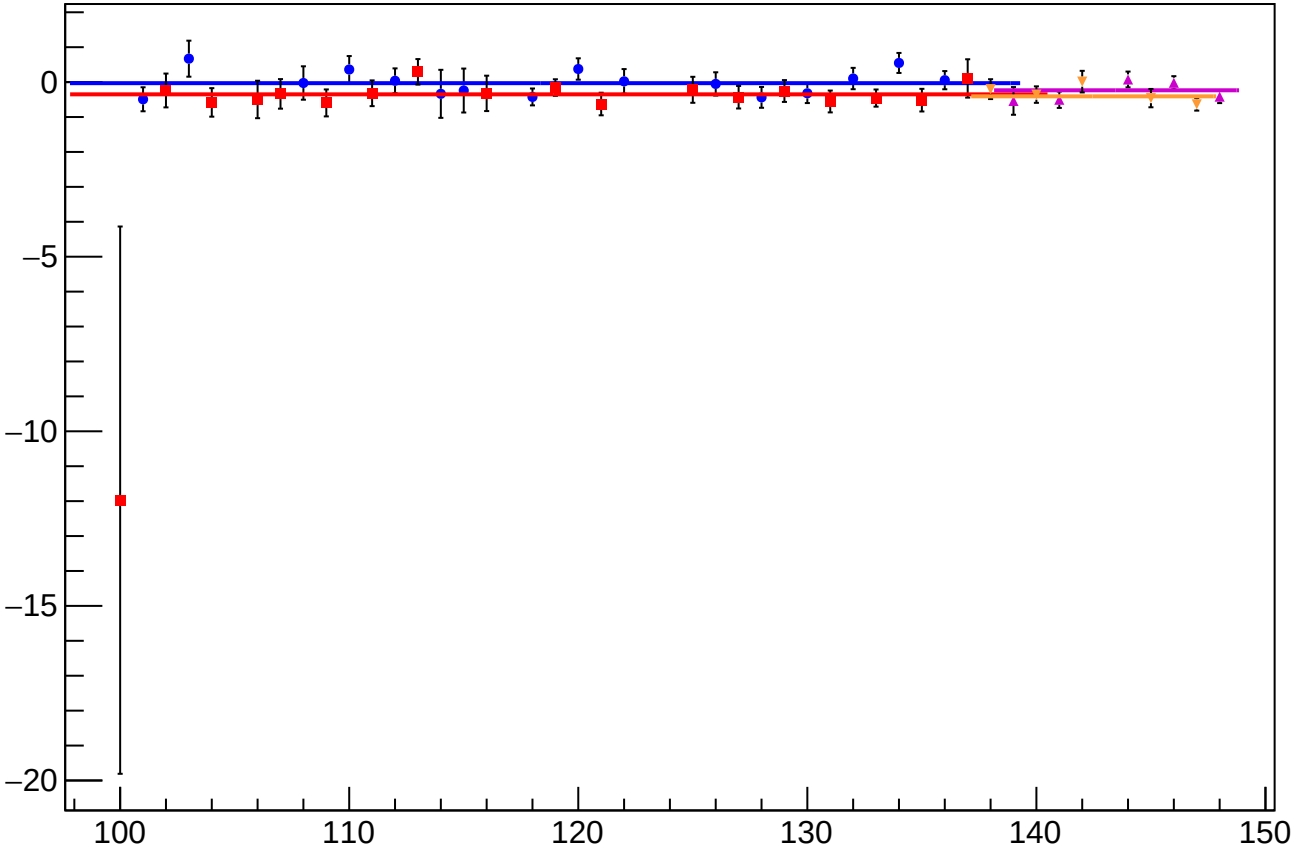
Left In: -0.148+/-0.116 χ^2/NDF:6.9/4

+ sign 0.057+/-0.067 χ^2/NDF: 31.7/20

All: 0.026+/-0.047 χ^2/NDF: 150.6/43

- sign -0.005+/-0.066 χ^2/NDF: 118.5/22

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

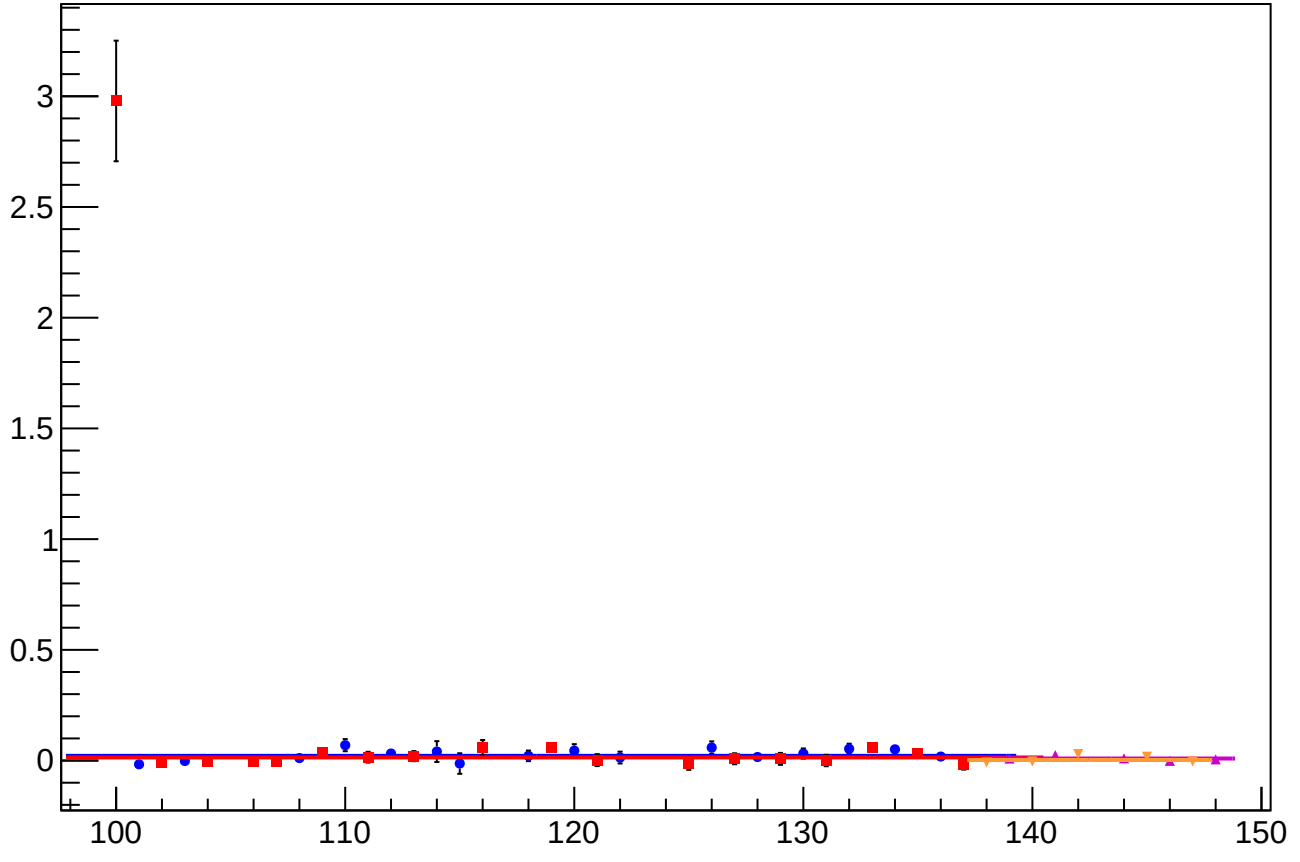
Left In: -0.234+/-0.099 χ^2/NDF:6.1/4

+ sign -0.173+/-0.066 χ^2/NDF: 28.5/20

All: -0.239+/-0.046 χ^2/NDF: 46.7/43

- sign -0.301+/-0.065 χ^2/NDF: 16.3/22

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

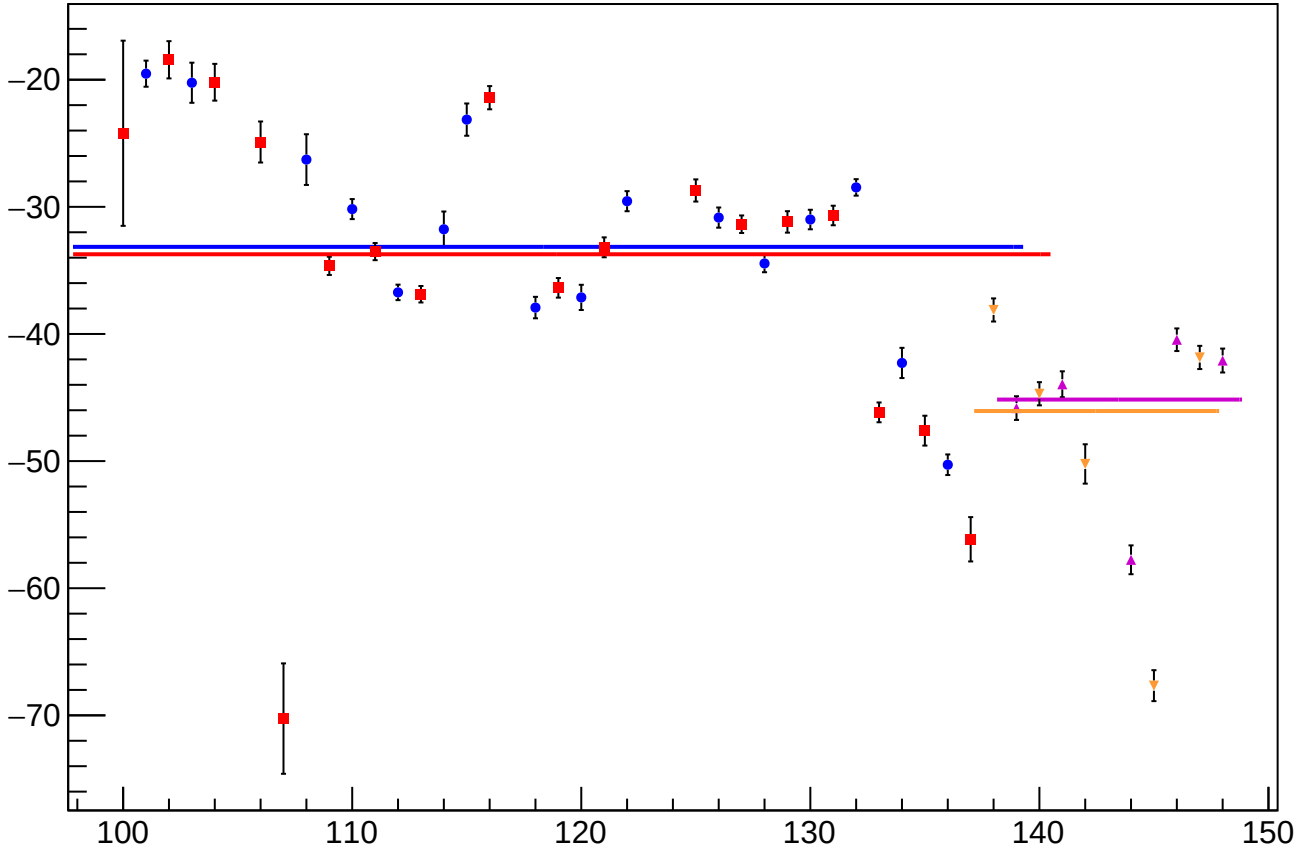
Left In: 0.009+/-0.005 χ^2/NDF:2.9/4

+ sign 0.012+/-0.004 χ^2/NDF: 36.0/20

All: 0.012+/-0.002 χ^2/NDF: 180.4/43

- sign 0.012+/-0.003 χ^2/NDF: 144.3/22

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

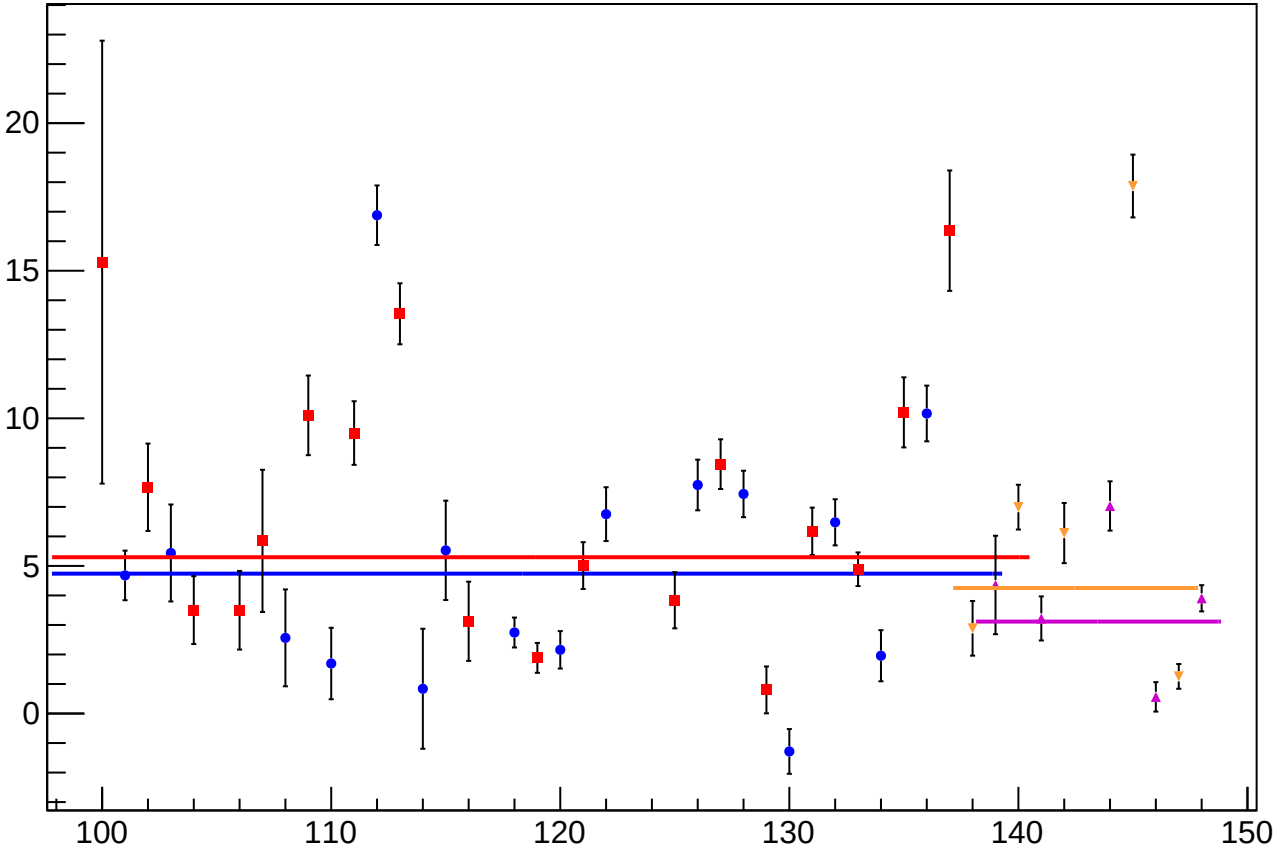
Left In: -45.160+/-0.435 χ^2/NDF:164.1/4

+ sign -35.508+/-0.197 χ^2/NDF: 2077.4/20

All: -35.745+/-0.138 χ^2/NDF: 3947.9/43

- sign -35.972+/-0.193 χ^2/NDF: 1867.7/22

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

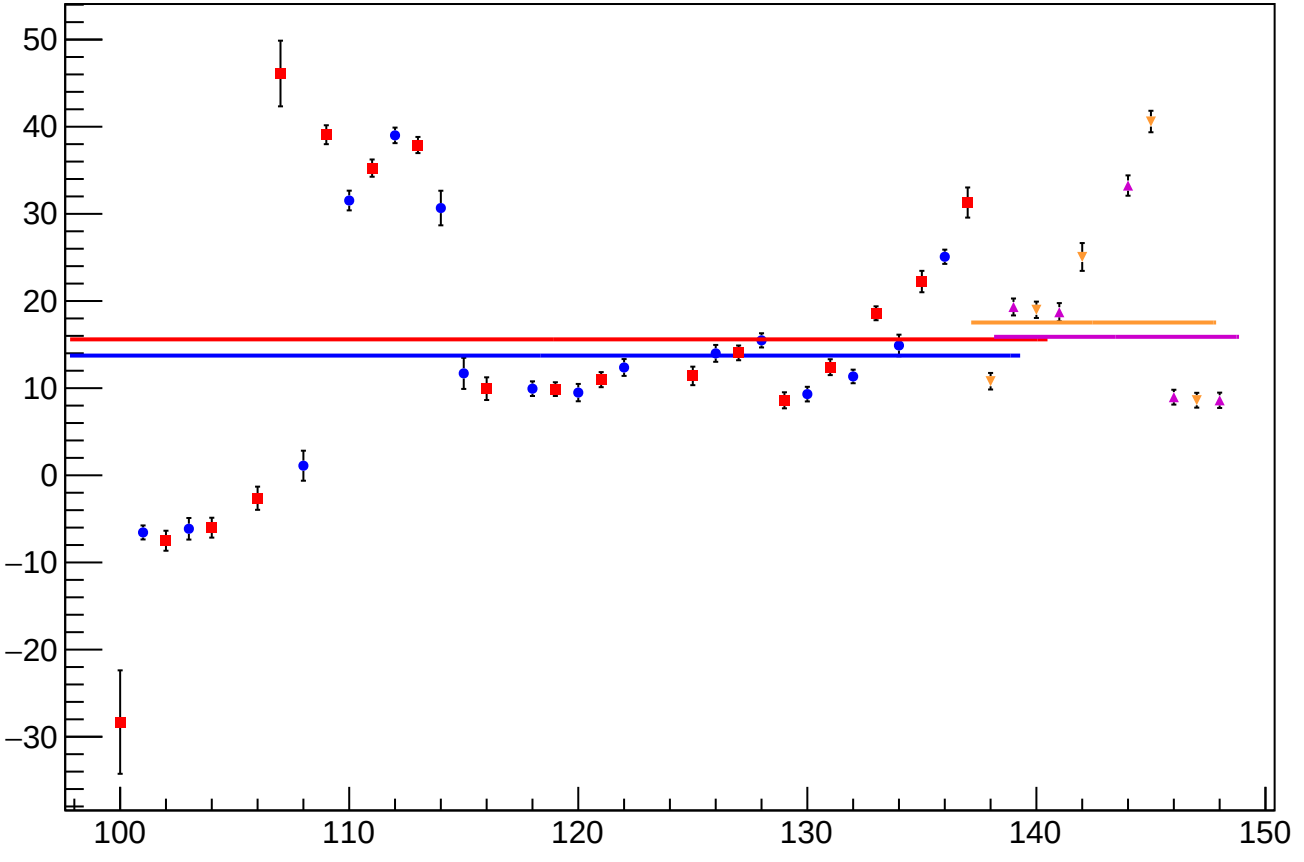
Left In: 3.115+/-0.281 χ^2/NDF:51.9/4

+ sign 4.576+/-0.179 χ^2/NDF: 564.4/20

All: 4.512+/-0.125 χ^2/NDF: 898.5/43

- sign 4.450+/-0.175 χ^2/NDF: 333.8/22

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

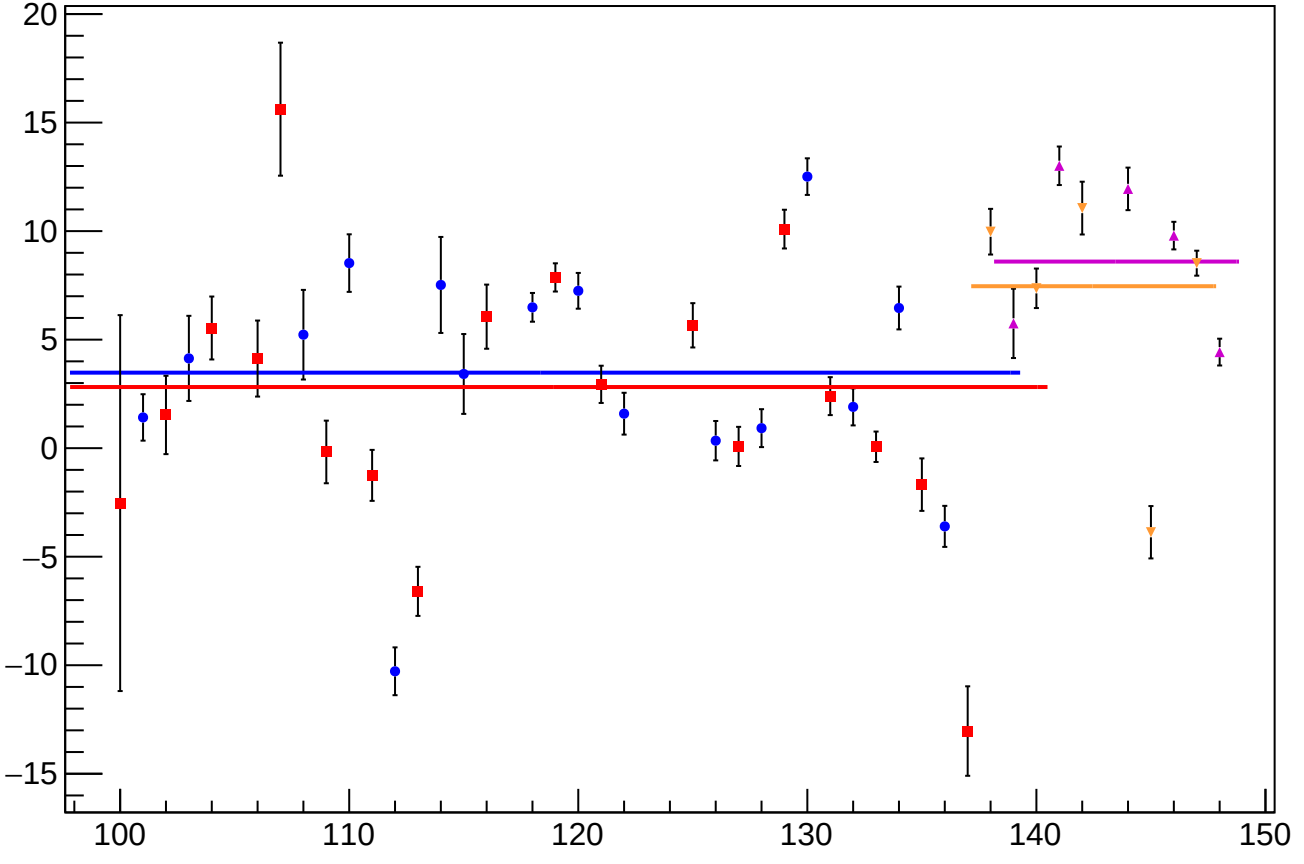
Left In: 15.892+/-0.431 χ^2/NDF:375.5/4

+ sign 14.580+/-0.218 χ^2/NDF: 2937.5/20

All: 15.129+/-0.153 χ^2/NDF: 6152.3/43

- sign 15.673+/-0.216 χ^2/NDF: 3202.2/22

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

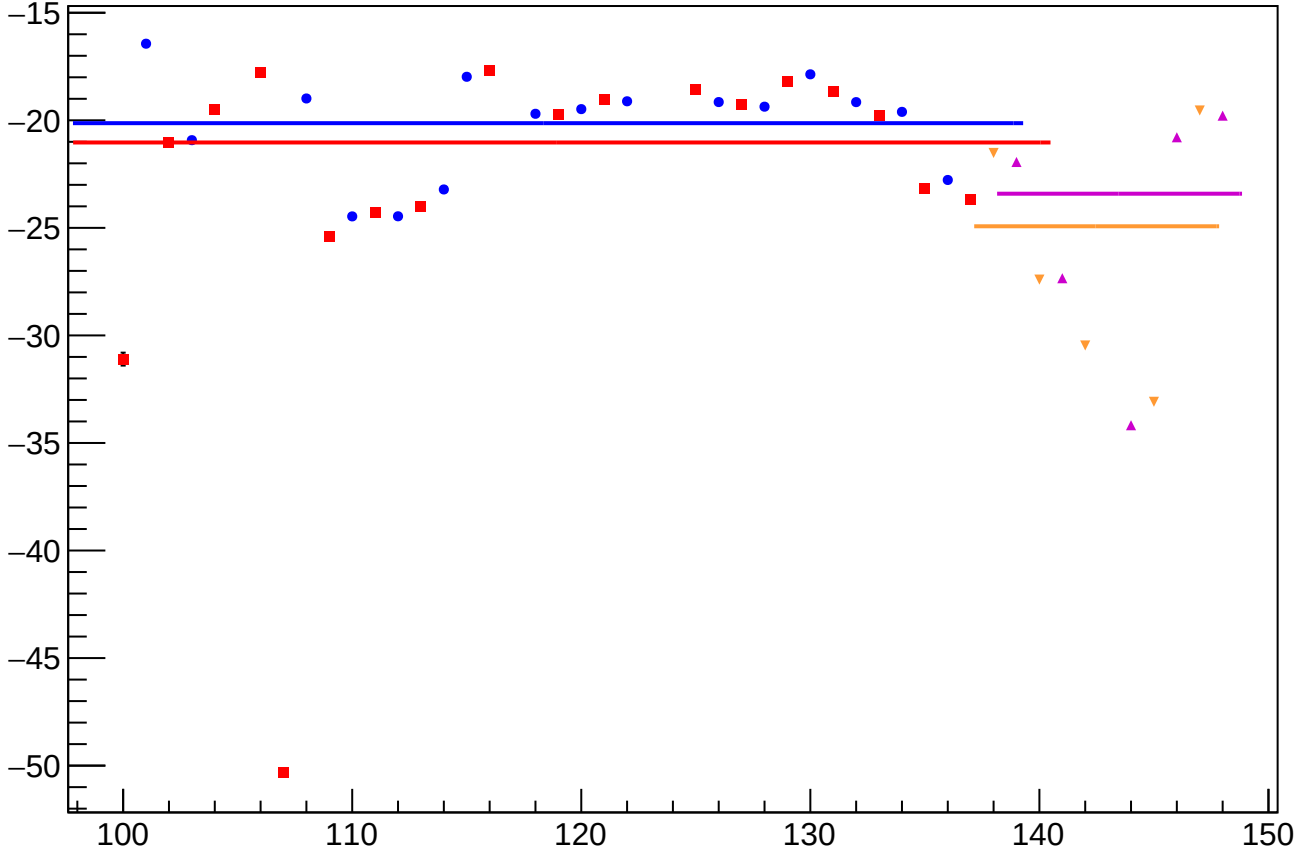
Left In: 8.597+/-0.358 χ^2/NDF:88.7/4

+ sign 4.653+/-0.213 χ^2/NDF: 606.4/20

All: 4.720+/-0.149 χ^2/NDF: 1212.5/43

- sign 4.785+/-0.209 χ^2/NDF: 605.9/22

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

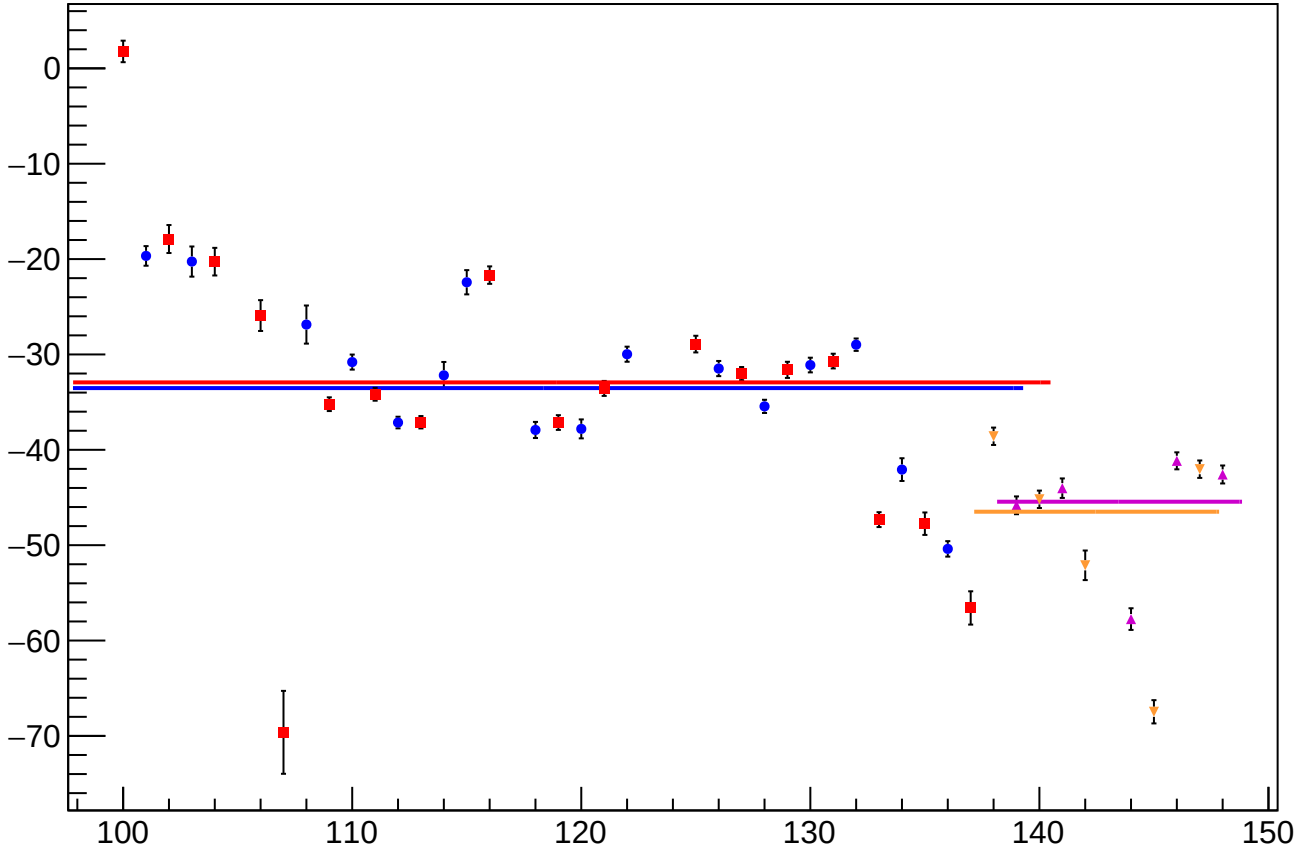
Left In: -23.412+/-0.017 χ^2/NDF:67878.2/4

+ sign -22.065+/-0.012 χ^2/NDF: 123223.7/20

All: -22.110+/-0.009 χ^2/NDF: 258509.7/43

- sign -22.151+/-0.012 χ^2/NDF: 135261.1/22

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

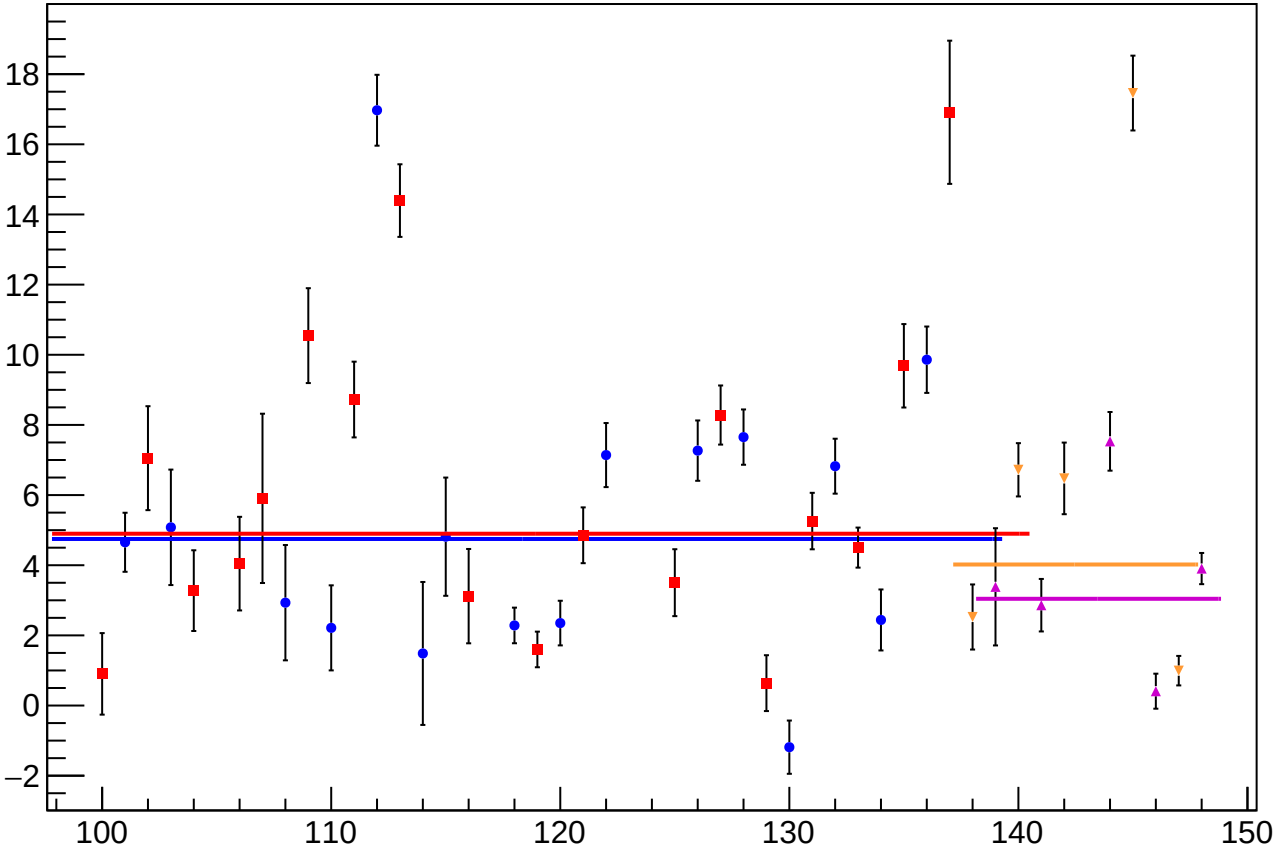
Left In: -45.443+/-0.436 χ^2/NDF:151.9/4

+ sign -35.898+/-0.197 χ^2/NDF: 2062.6/20

All: -35.598+/-0.137 χ^2/NDF: 5056.0/43

- sign -35.318+/-0.190 χ^2/NDF: 2989.0/22

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

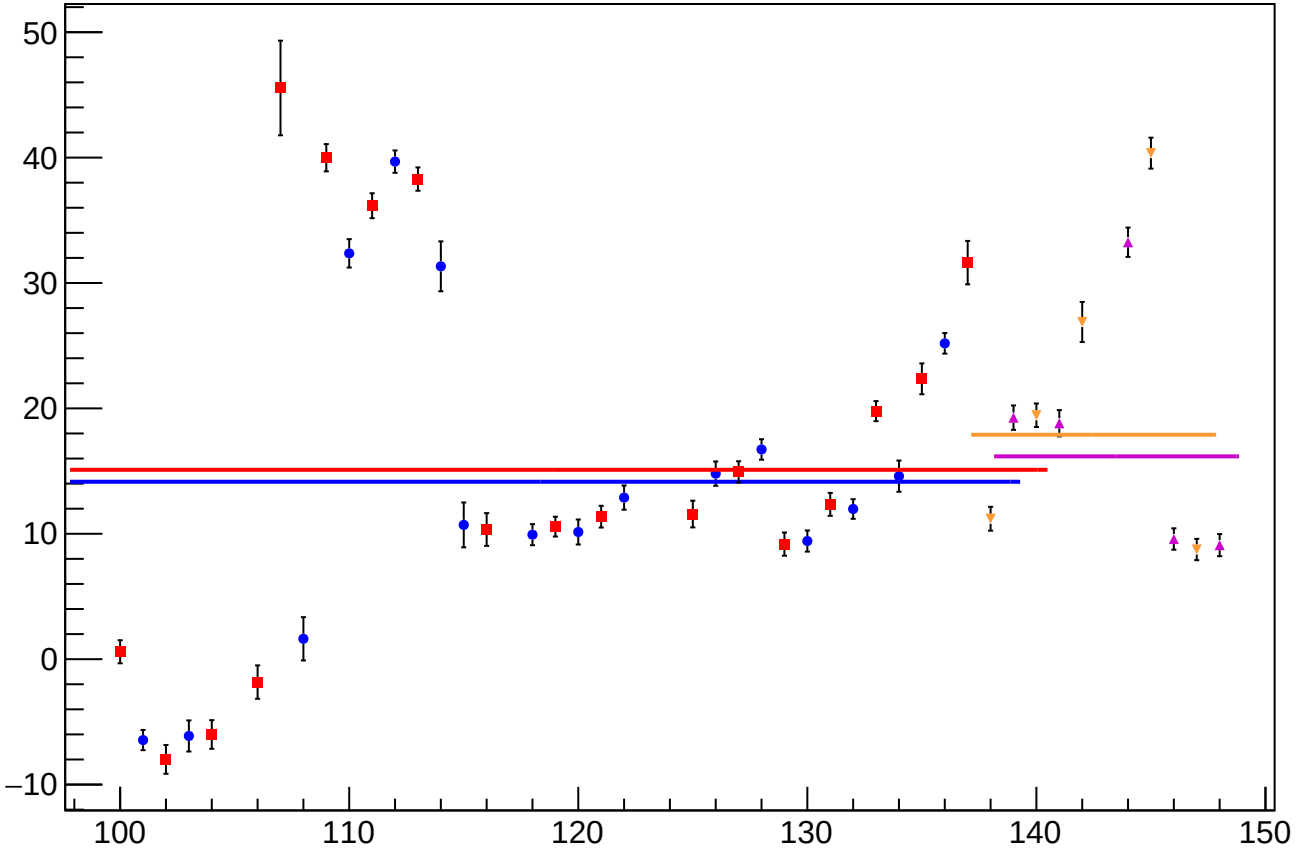
Left In: 3.043+/-0.281 χ^2/NDF:60.5/4

+ sign 4.505+/-0.179 χ^2/NDF: 561.0/20

All: 4.345+/-0.125 χ^2/NDF: 923.1/43

- sign 4.194+/-0.173 χ^2/NDF: 360.6/22

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

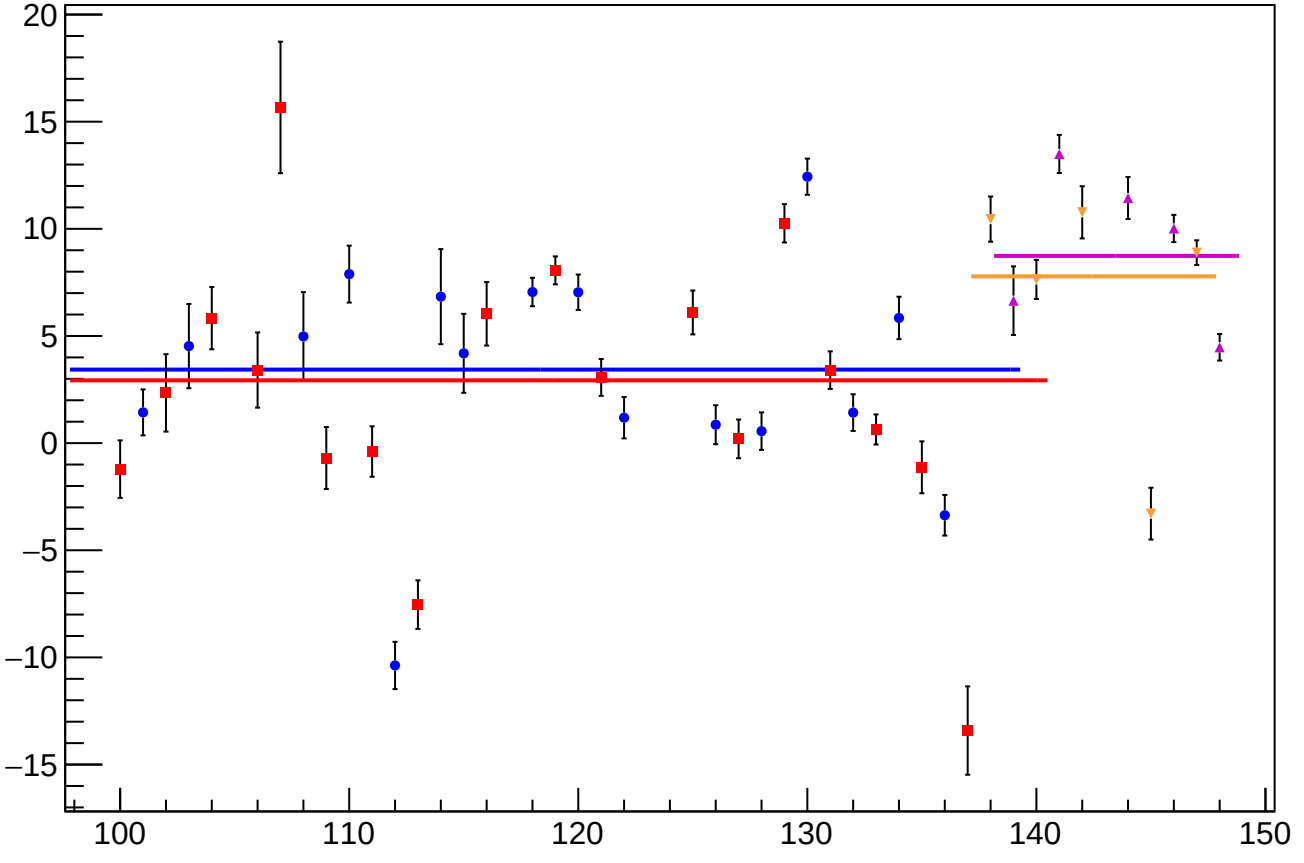
Left In: 16.173+/-0.432 χ^2/NDF:353.9/4

+ sign 14.981+/-0.218 χ^2/NDF: 2983.3/20

All: 15.176+/-0.152 χ^2/NDF: 6445.8/43

- sign 15.359+/-0.211 χ^2/NDF: 3460.9/22

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

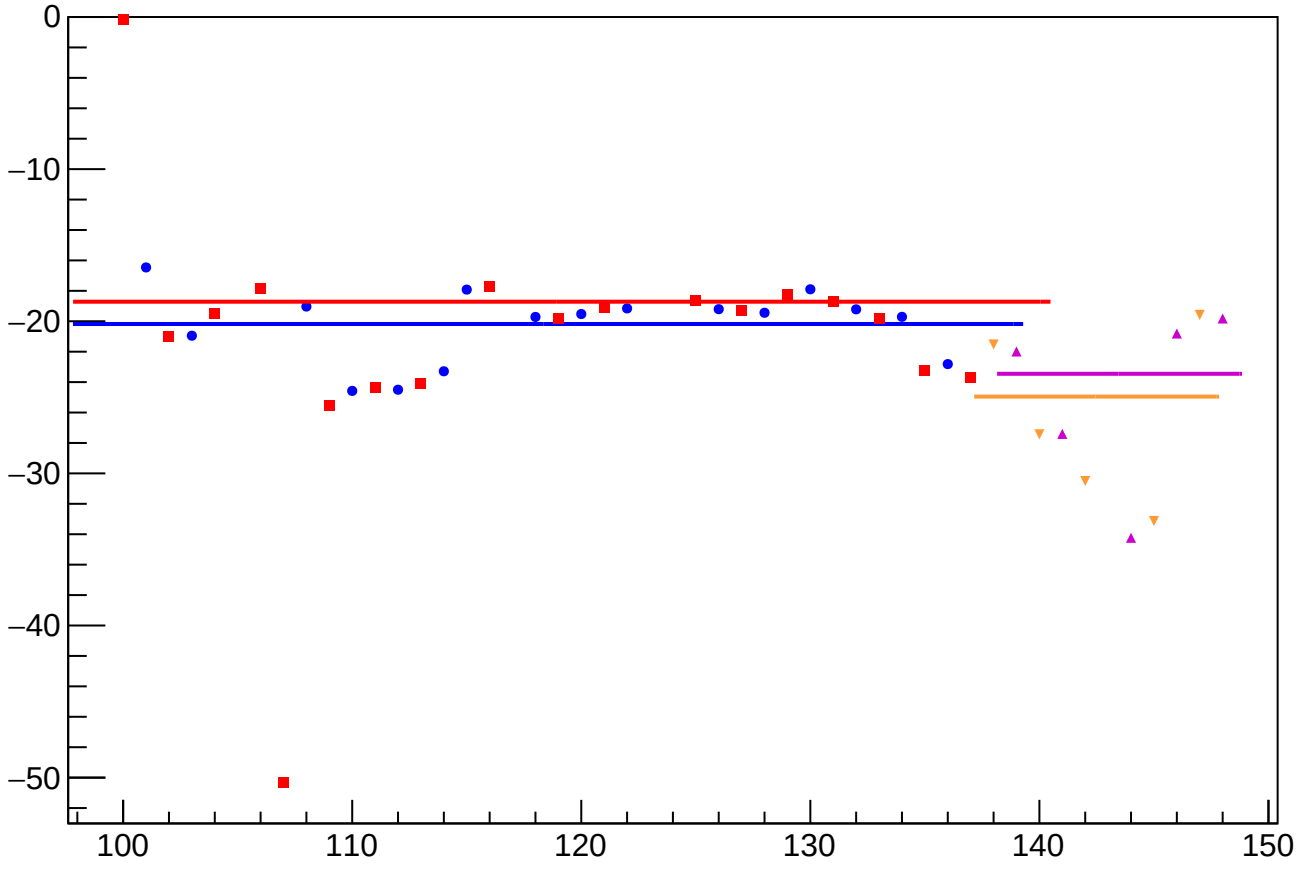
Left In: 8.738+/-0.359 χ^2/NDF:89.5/4

+ sign 4.714+/-0.213 χ^2/NDF: 610.4/20

All: 4.791+/-0.149 χ^2/NDF: 1242.8/43

- sign 4.863+/-0.207 χ^2/NDF: 632.2/22

reg_asym_left_dd_diff_bpm12X_slope vs Slug



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

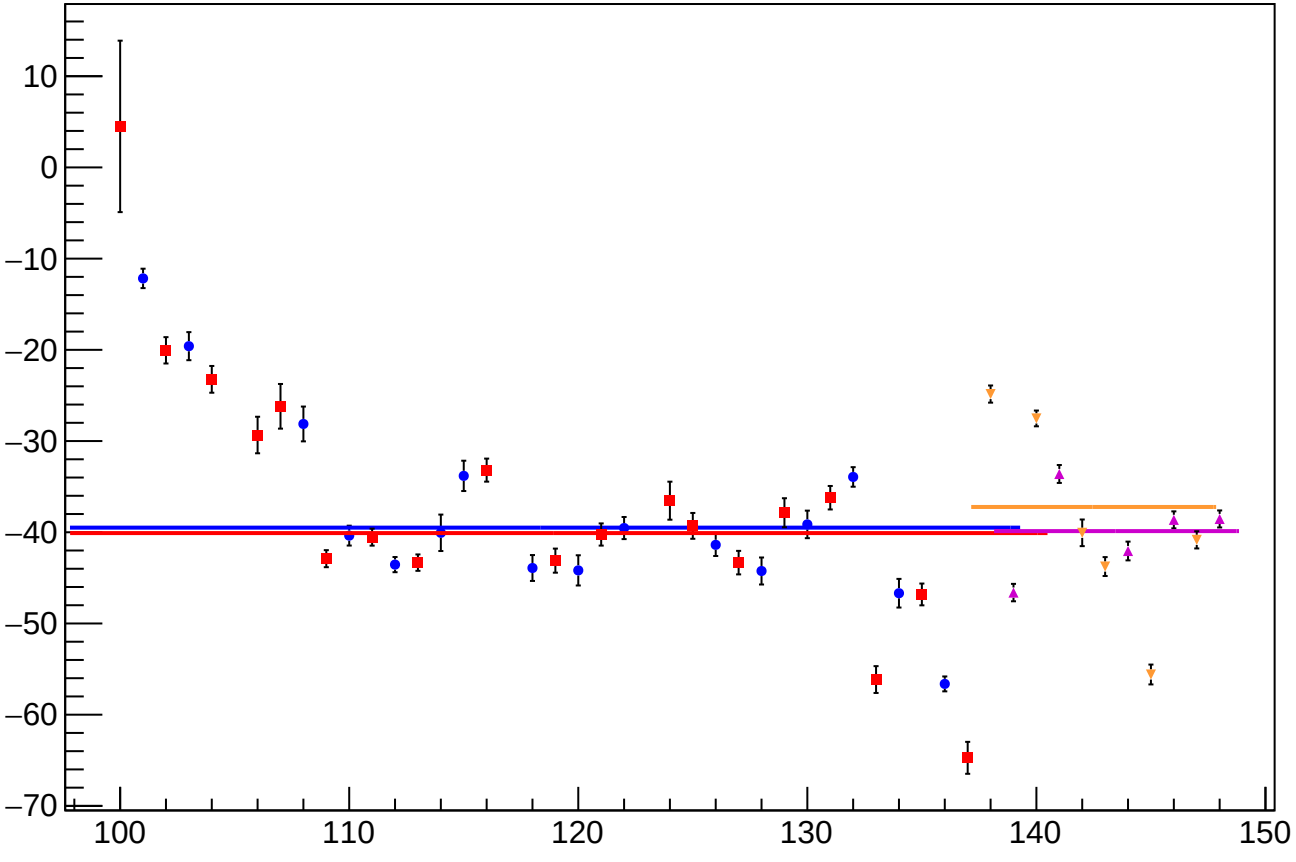
Left In: -23.453+/-0.017 χ^2/NDF:67982.4/4

+ sign -22.106+/-0.012 χ^2/NDF: 122685.3/20

All: -21.416+/-0.008 χ^2/NDF: 472130.2/43

- sign -20.809+/-0.012 χ^2/NDF: 343627.2/22

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

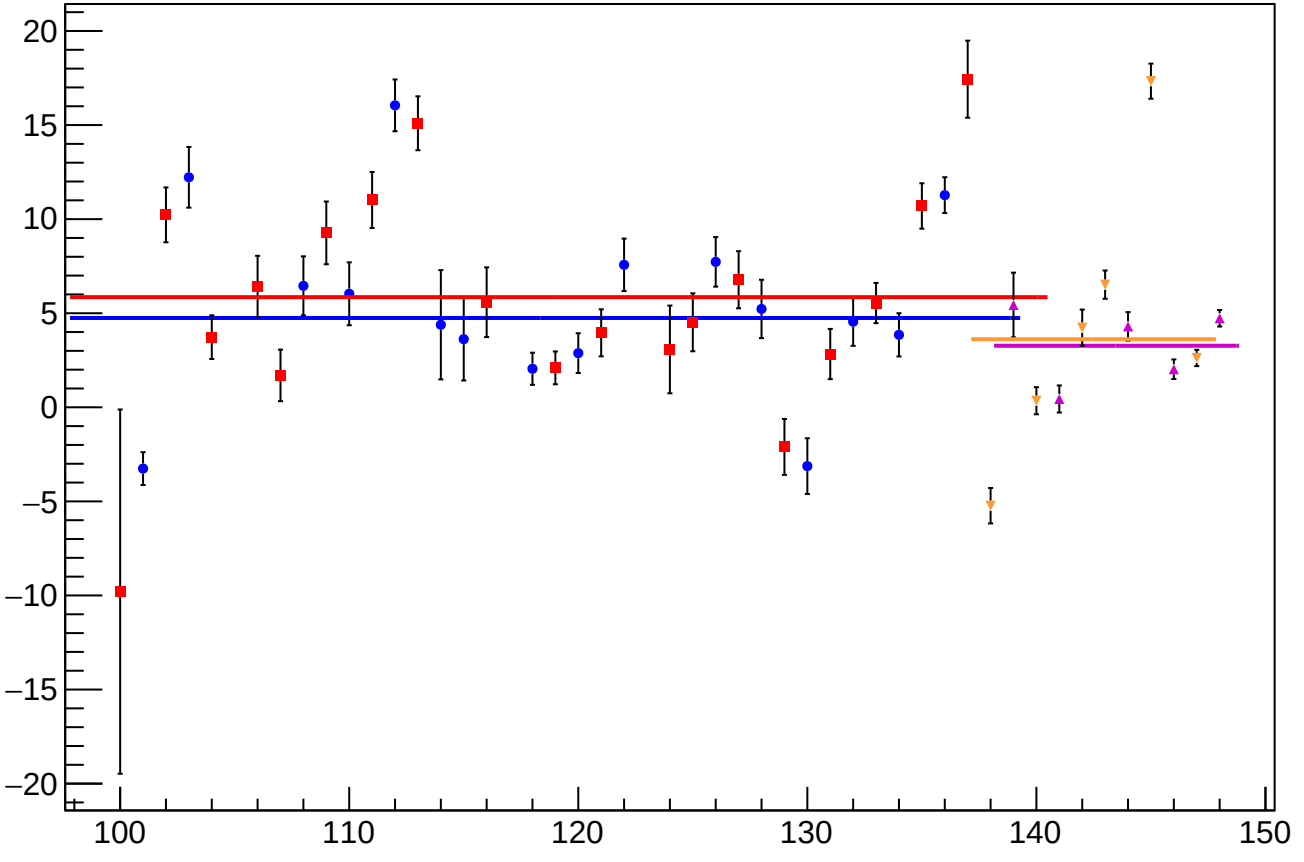
Left In: -39.873+/-0.431 χ^2/NDF:98.8/4

+ sign -38.676+/-0.248 χ^2/NDF: 2078.2/21

All: -39.342+/-0.176 χ^2/NDF: 3026.5/45

- sign -40.017+/-0.250 χ^2/NDF: 933.8/23

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

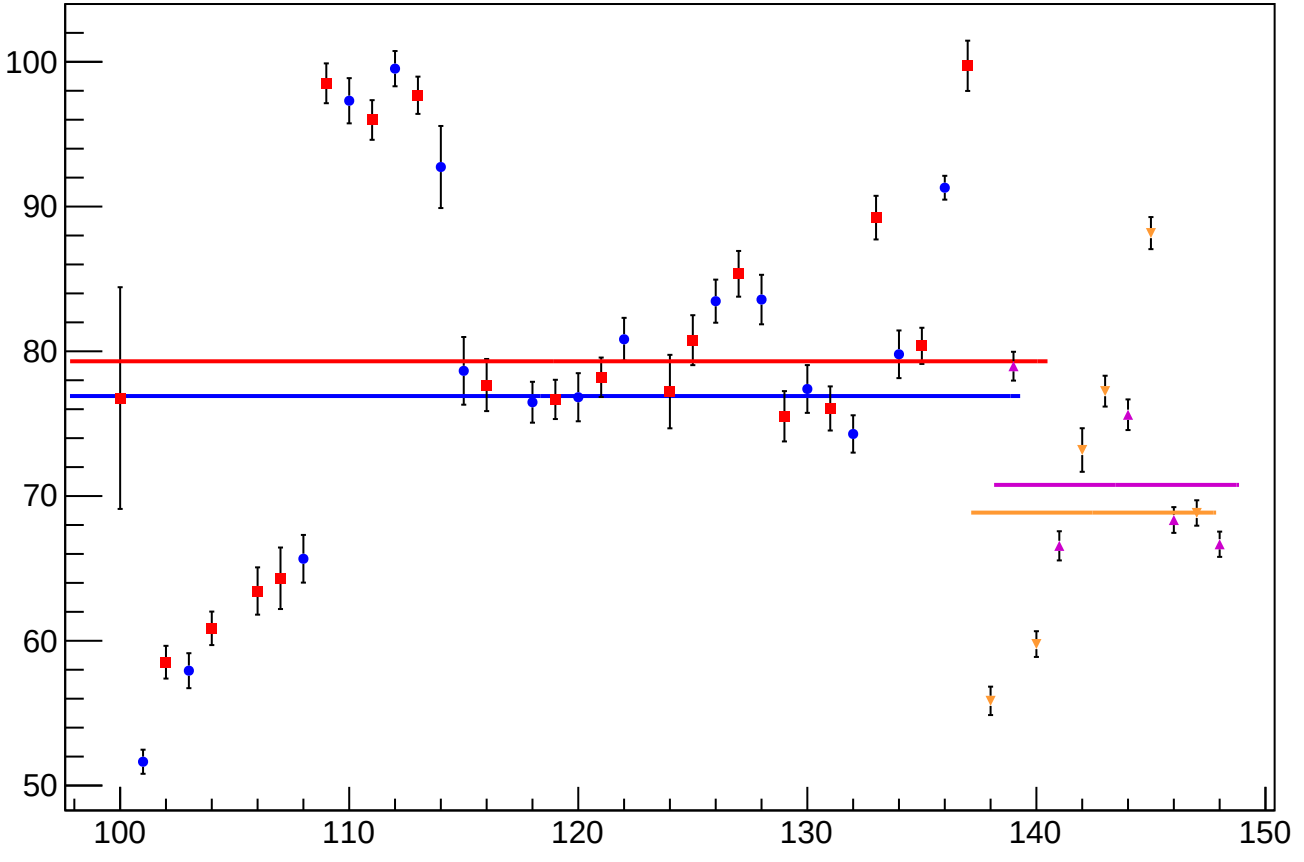
Left In: 3.271+/-0.279 χ^2/NDF:35.7/4

+ sign 4.123+/-0.211 χ^2/NDF: 626.7/21

All: 4.246+/-0.149 χ^2/NDF: 887.2/45

- sign 4.370+/-0.211 χ^2/NDF: 259.8/23

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

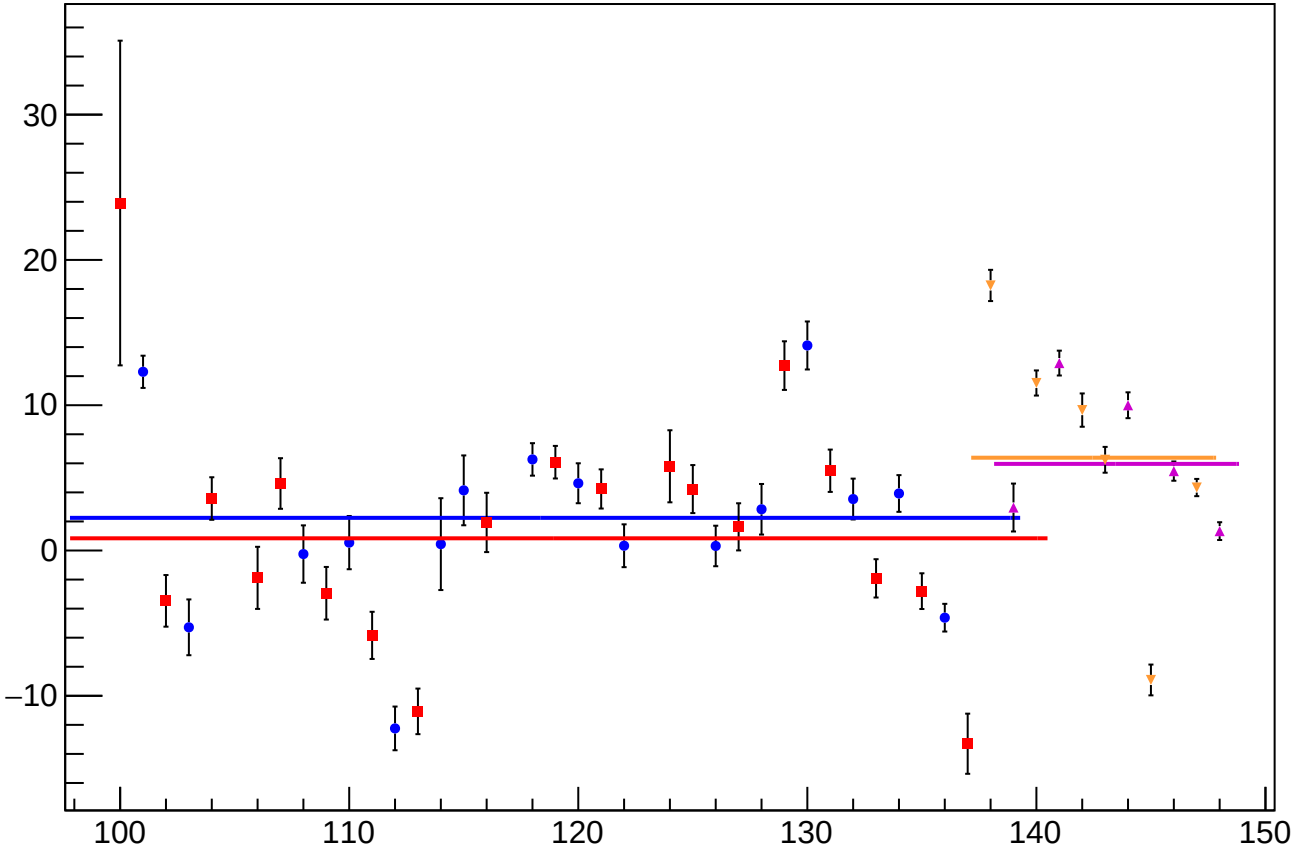
Left In: 70.771+/-0.428 χ^2/NDF:135.8/4

+ sign 73.734+/-0.262 χ^2/NDF: 2995.3/21

All: 74.791+/-0.188 χ^2/NDF: 4900.8/45

- sign 75.912+/-0.270 χ^2/NDF: 1872.0/23

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

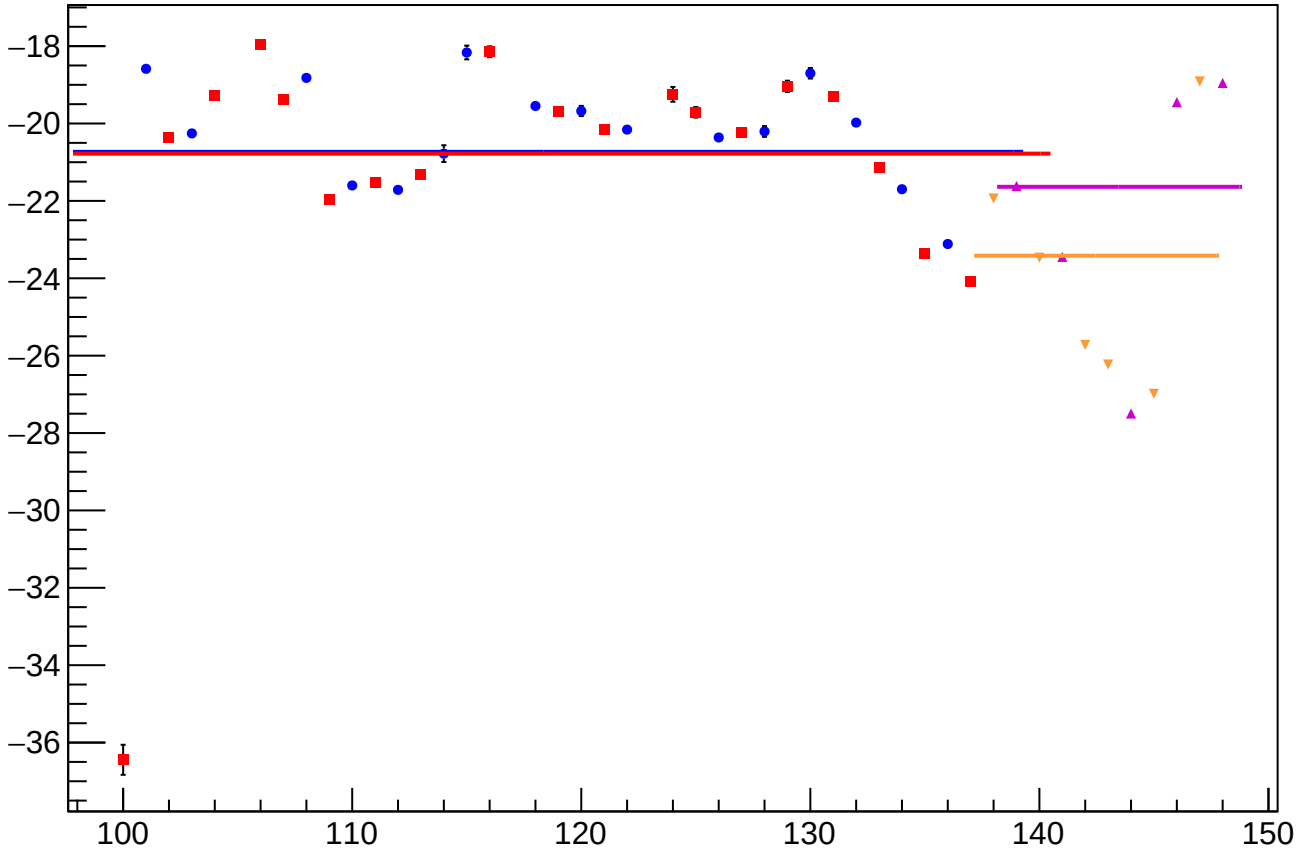
Left In: 5.962+/-0.355 χ^2/NDF:147.5/4

+ sign 4.367+/-0.254 χ^2/NDF: 771.7/21

All: 3.950+/-0.180 χ^2/NDF: 1280.1/45

- sign 3.523+/-0.257 χ^2/NDF: 502.9/23

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

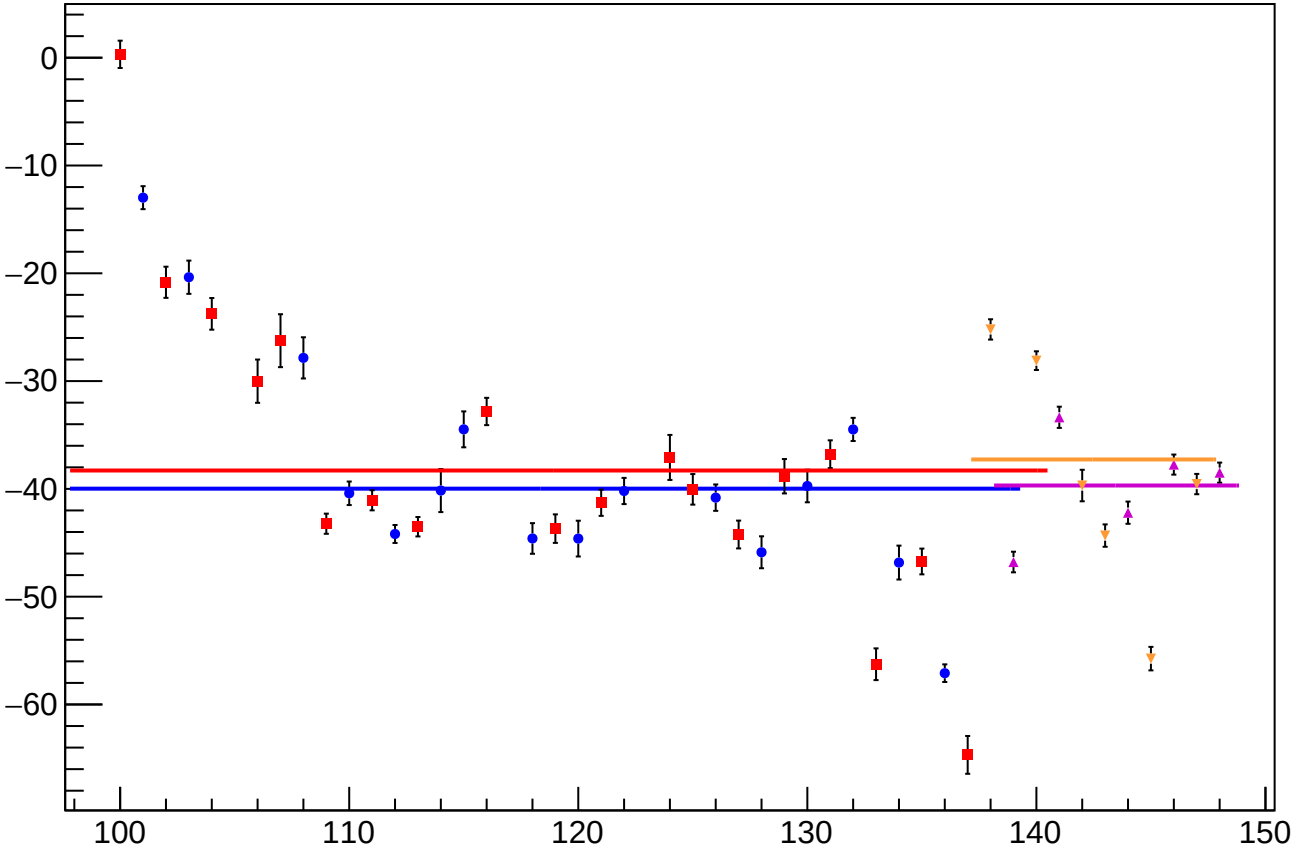
Left In: -21.636+/-0.017 χ^2/NDF:26247.6/4

+ sign -22.208+/-0.013 χ^2/NDF: 44957.4/21

All: -21.745+/-0.009 χ^2/NDF: 84228.3/45

- sign -21.271+/-0.013 χ^2/NDF: 36710.9/23

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

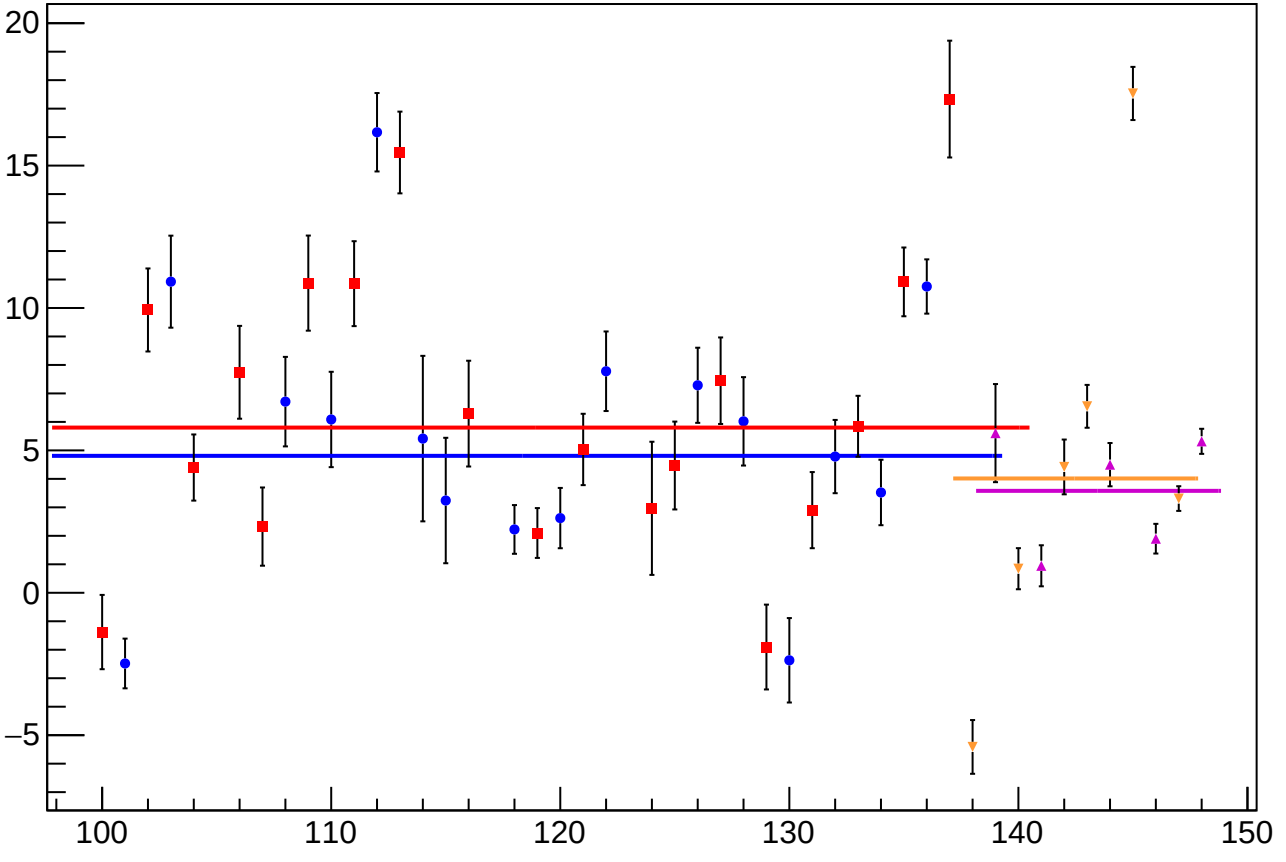
Left In: -39.686+/-0.432 χ^2/NDF:108.3/4

\+ sign -39.003+/-0.249 χ^2/NDF: 2043.6/21

All: -38.873+/-0.175 χ^2/NDF: 3933.3/45

\- sign -38.746+/-0.246 χ^2/NDF: 1889.1/23

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

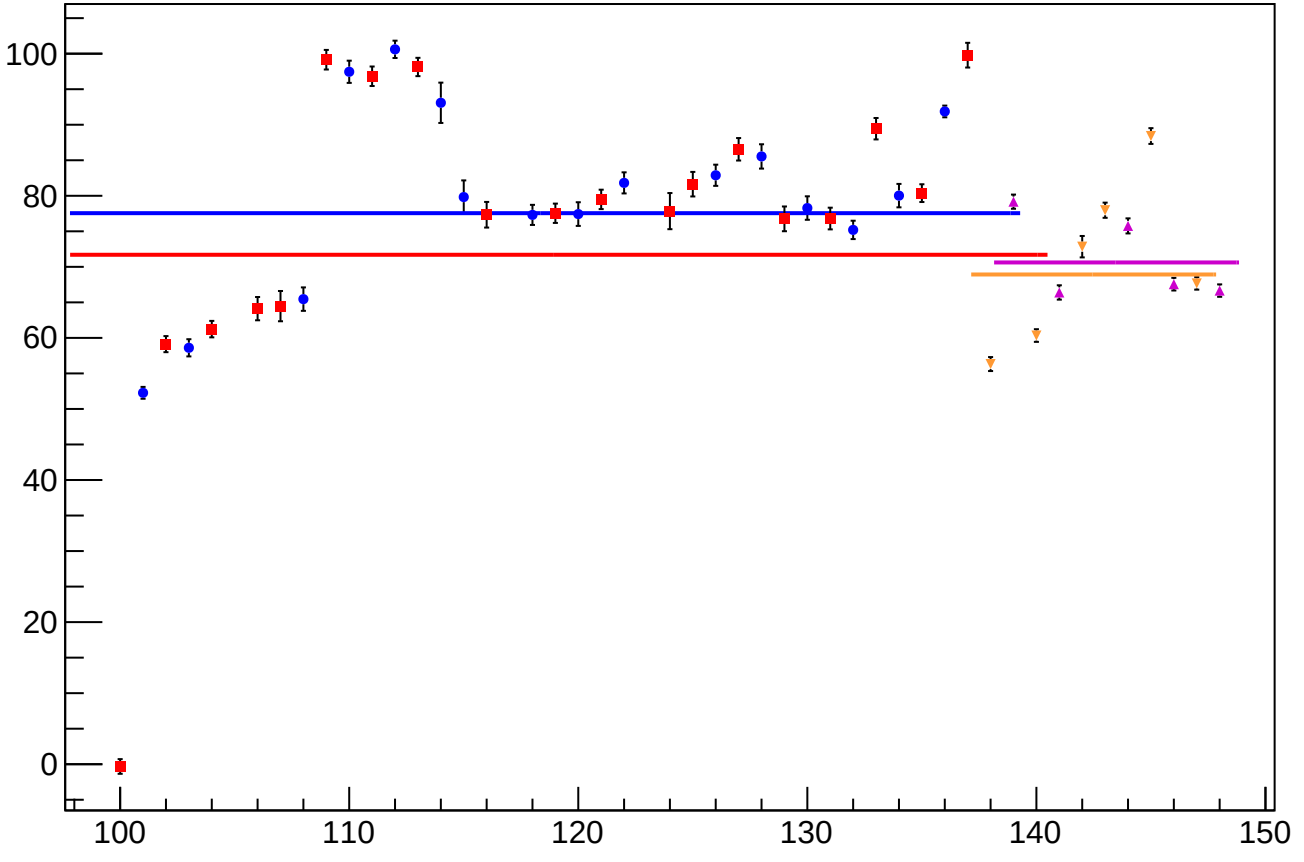
Left In: 3.579+/-0.279 χ^2/NDF:42.2/4

+ sign 4.369+/-0.212 χ^2/NDF: 586.9/21

All: 4.464+/-0.149 χ^2/NDF: 873.8/45

- sign 4.557+/-0.209 χ^2/NDF: 286.5/23

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

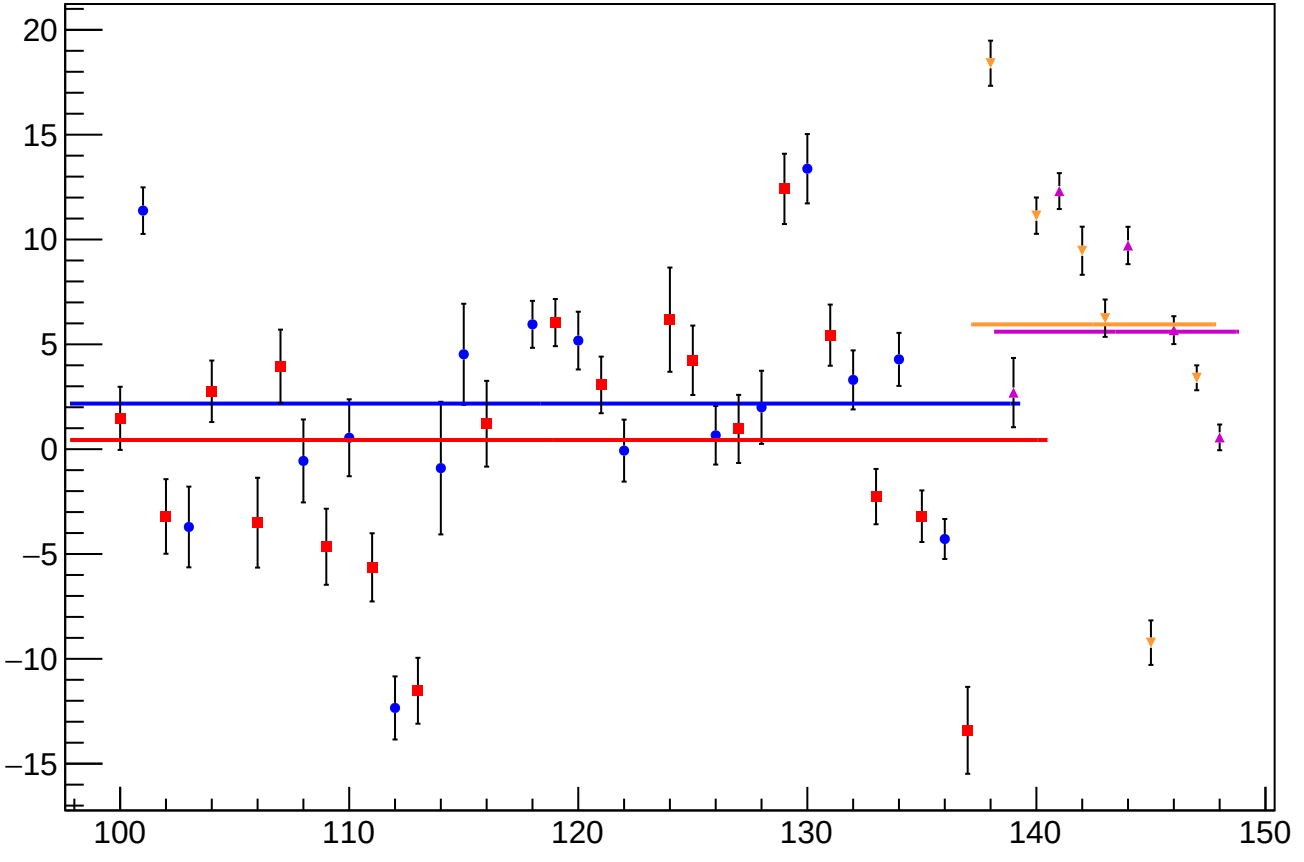
Left In: 70.617+/-0.429 χ^2/NDF:146.8/4

\+ sign 74.151+/-0.263 χ^2/NDF: 3022.6/21

All: 72.719+/-0.185 χ^2/NDF: 10136.3/45

\- sign 71.296+/-0.262 χ^2/NDF: 7054.4/23

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

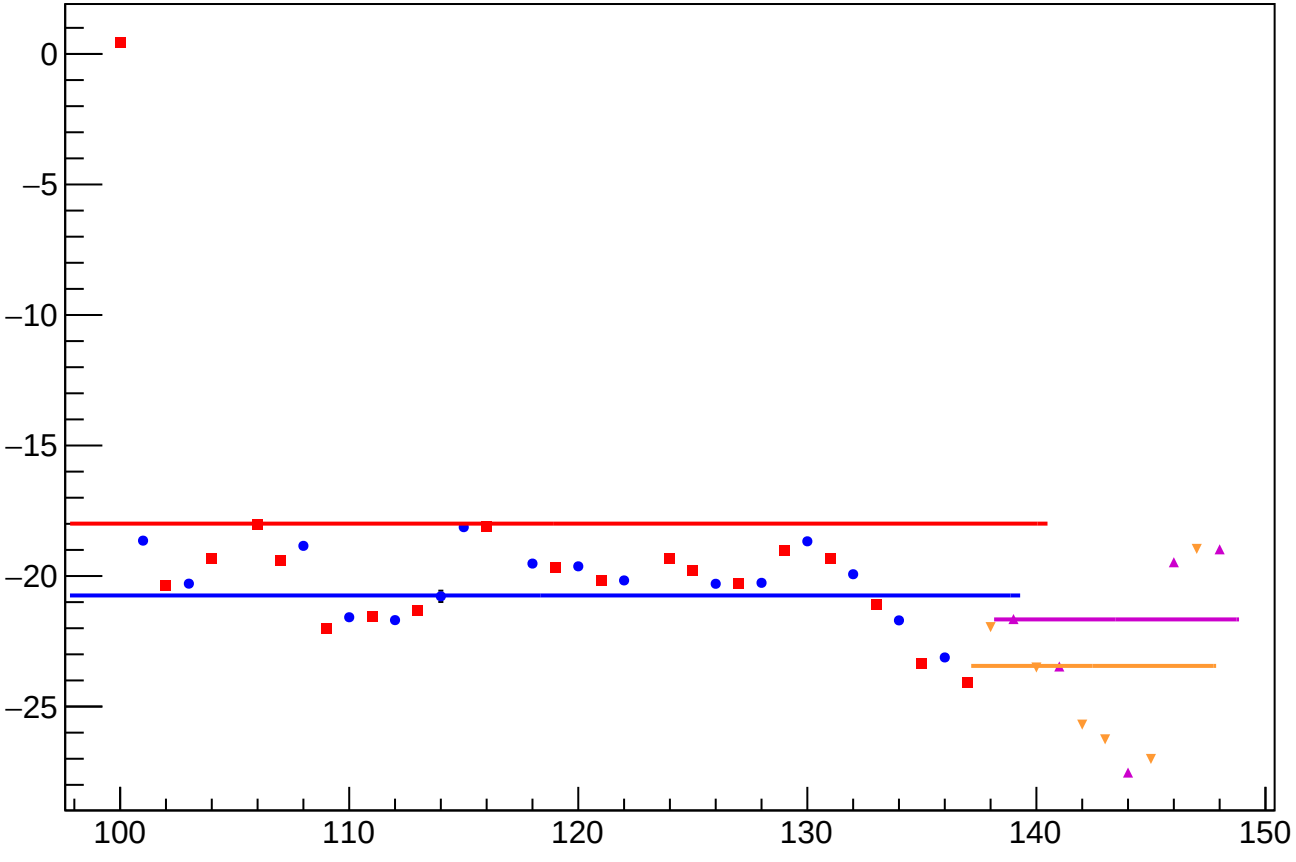
Left In: 5.604+/-0.355 χ^2/NDF:153.3/4

+ sign 4.108+/-0.254 χ^2/NDF: 747.7/21

All: 3.587+/-0.179 χ^2/NDF: 1267.3/45

- sign 3.068+/-0.254 χ^2/NDF: 511.2/23

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

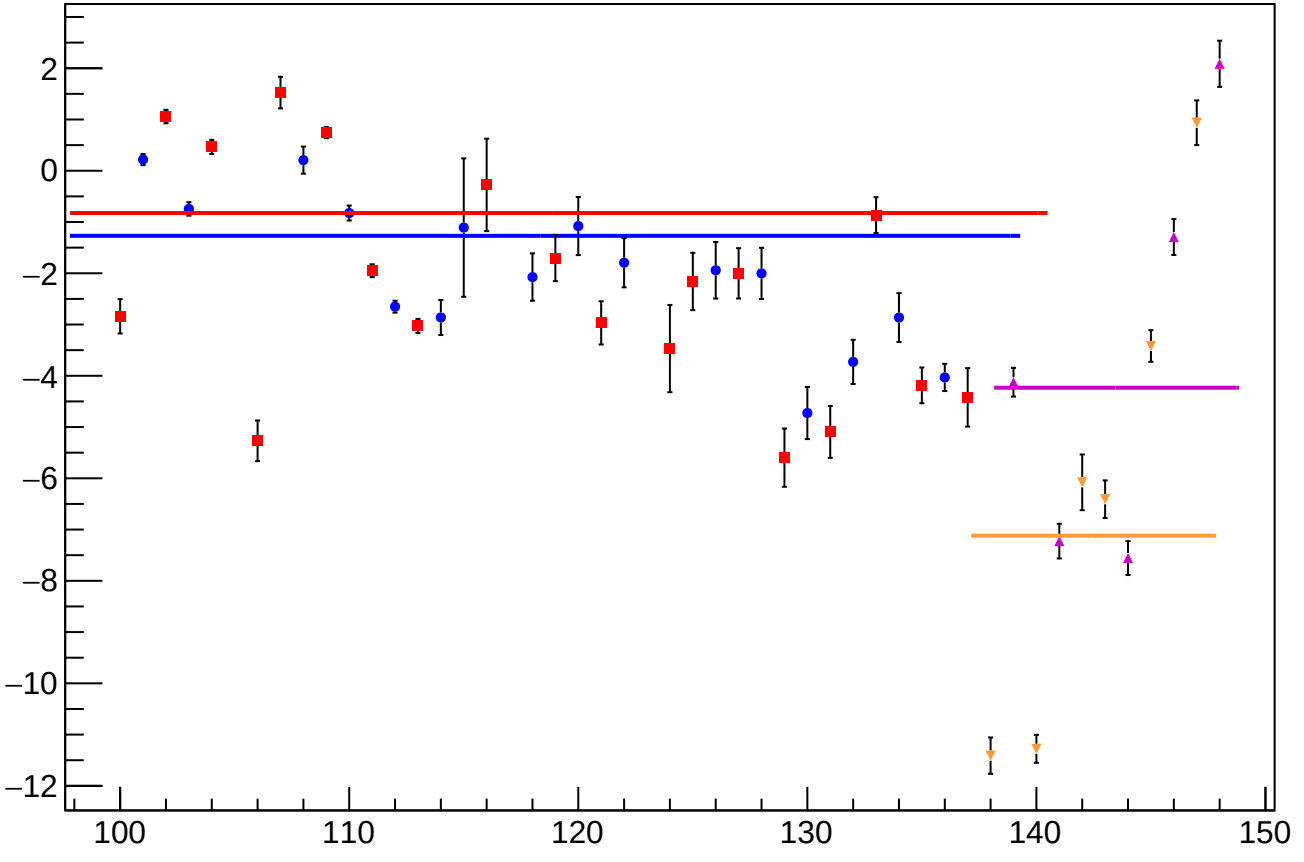
Left In: -21.662+/-0.017 χ^2/NDF:26197.6/4

+ sign -22.228+/-0.013 χ^2/NDF: 44641.9/21

All: -21.080+/-0.009 χ^2/NDF: 257014.5/45

- sign -19.976+/-0.013 χ^2/NDF: 197195.1/23

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

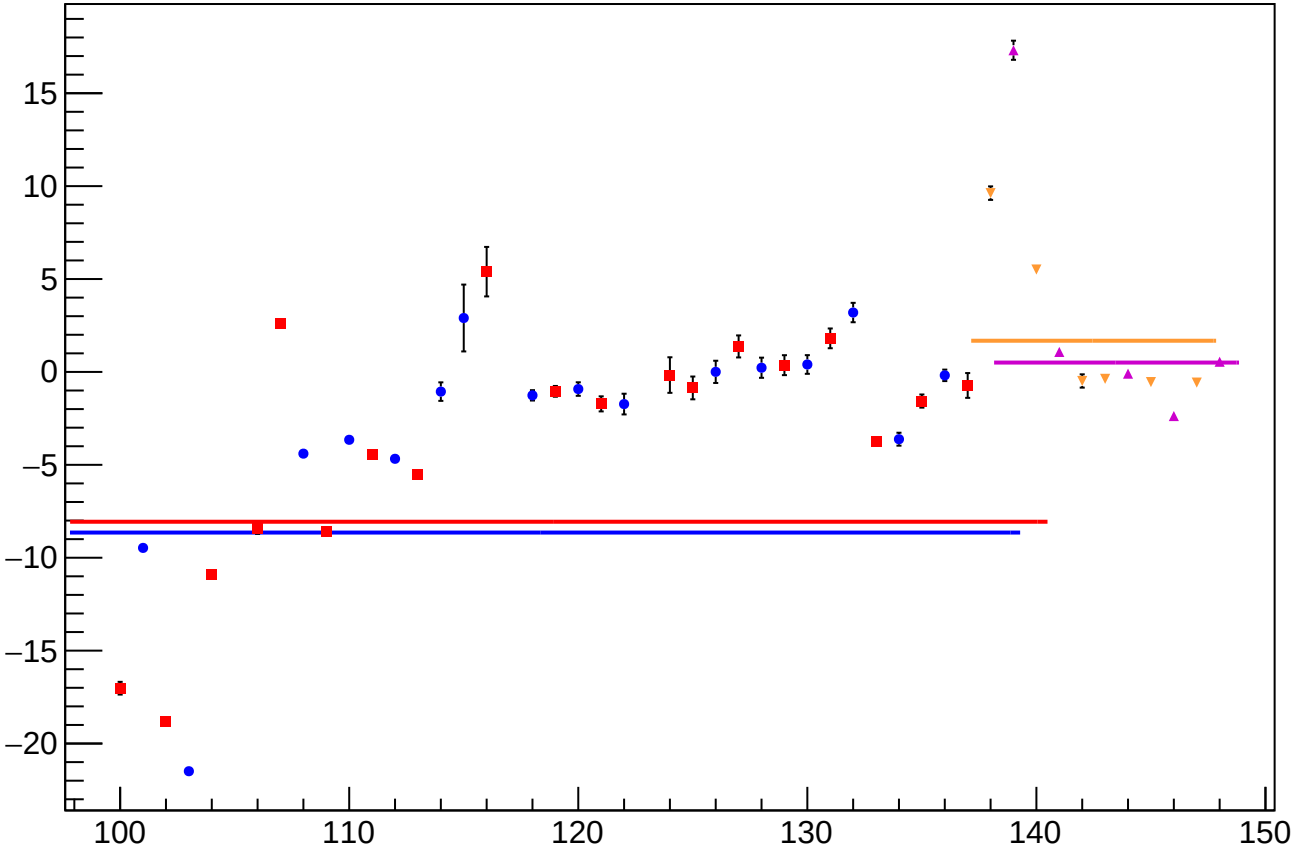
Left In: -4.233+/-0.151 χ^2/NDF:446.7/4

+ sign -1.999+/-0.051 χ^2/NDF: 2924.0/21

All: -1.564+/-0.035 χ^2/NDF: 5348.5/45

- sign -1.173+/-0.048 χ^2/NDF: 2286.3/23

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

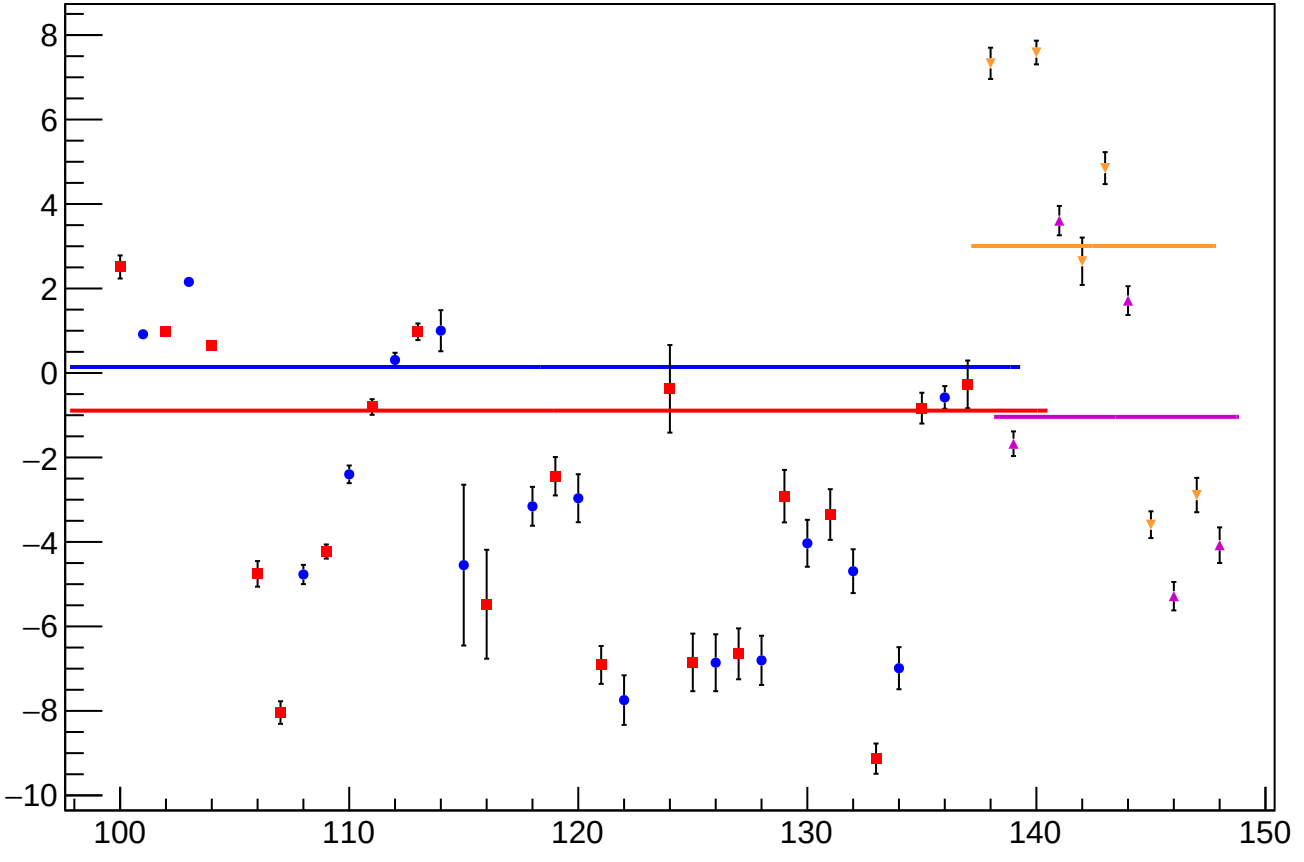
Left In: 0.504+/-0.112 χ^2/NDF:1258.9/4

+ sign -6.368+/-0.050 χ^2/NDF: 22123.7/21

All: -6.322+/-0.036 χ^2/NDF: 42444.4/45

- sign -6.275+/-0.051 χ^2/NDF: 20319.1/23

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

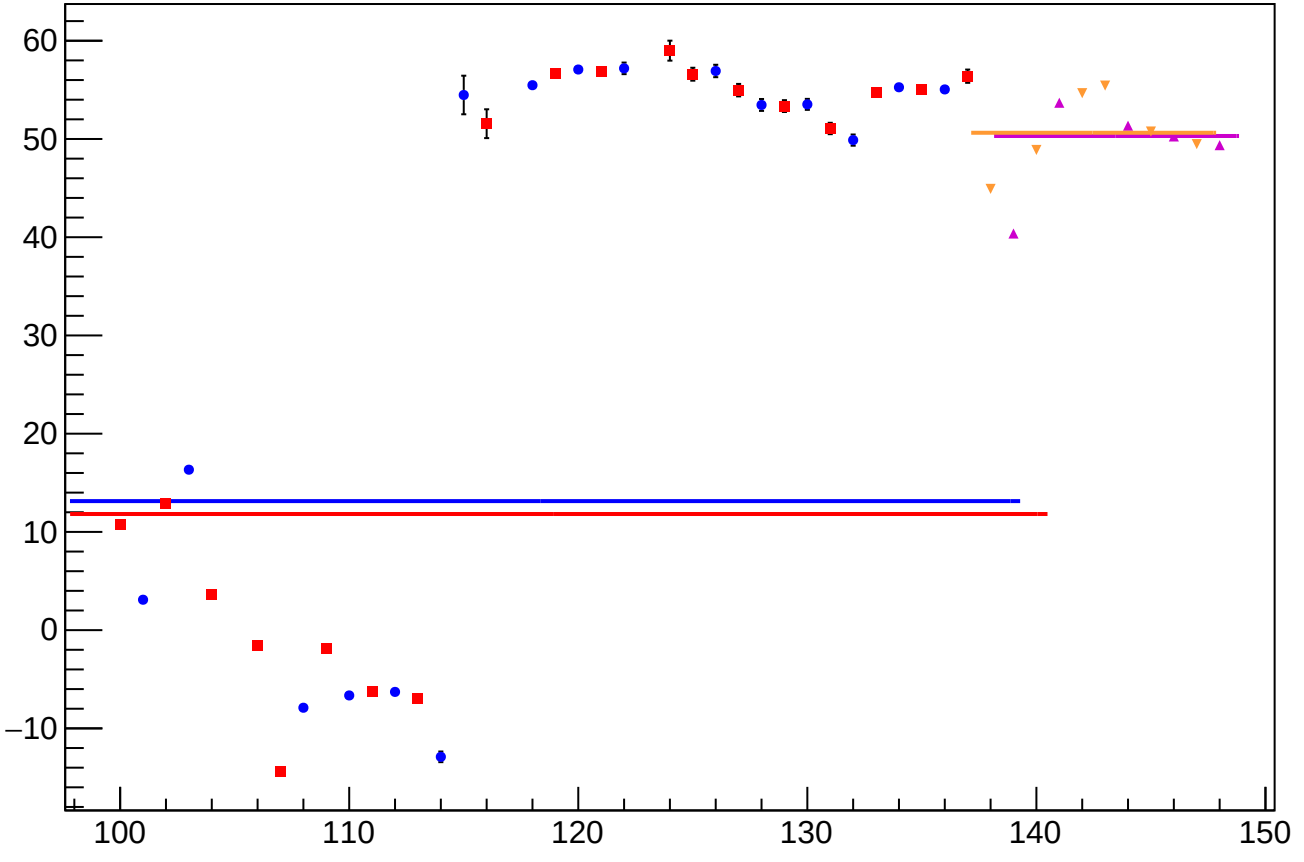
Left In: -1.039+/-0.152 χ^2/NDF:460.3/4

+ sign 0.470+/-0.050 χ^2/NDF: 3367.2/21

All: -0.208+/-0.035 χ^2/NDF: 7190.3/45

- sign -0.907+/-0.051 χ^2/NDF: 3446.8/23

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

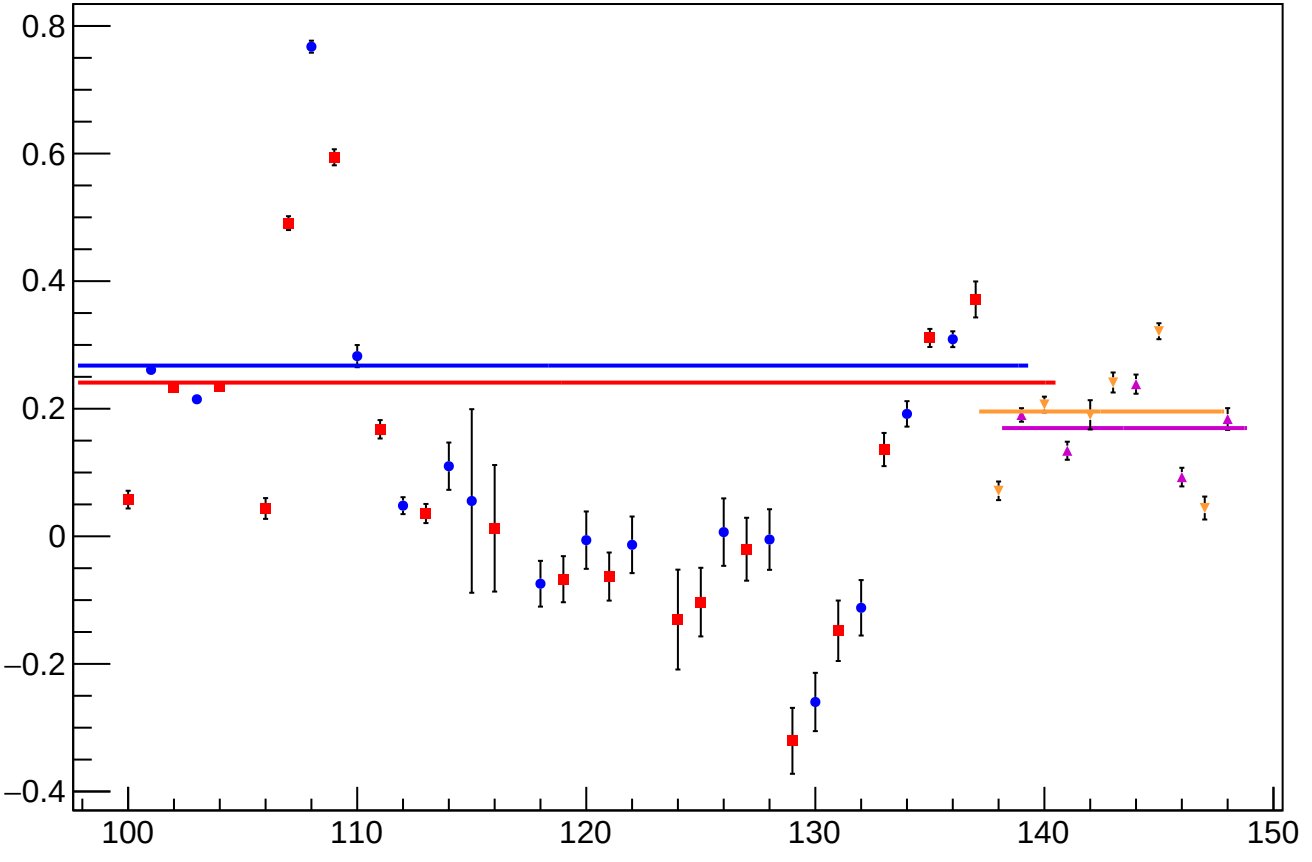
Left In: 50.305+/-0.137 χ^2/NDF:557.2/4

\+ sign 21.179+/-0.060 χ^2/NDF: 174477.8/21

All: 20.304+/-0.043 χ^2/NDF: 357082.6/45

\- sign 19.413+/-0.061 χ^2/NDF: 182178.6/23

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

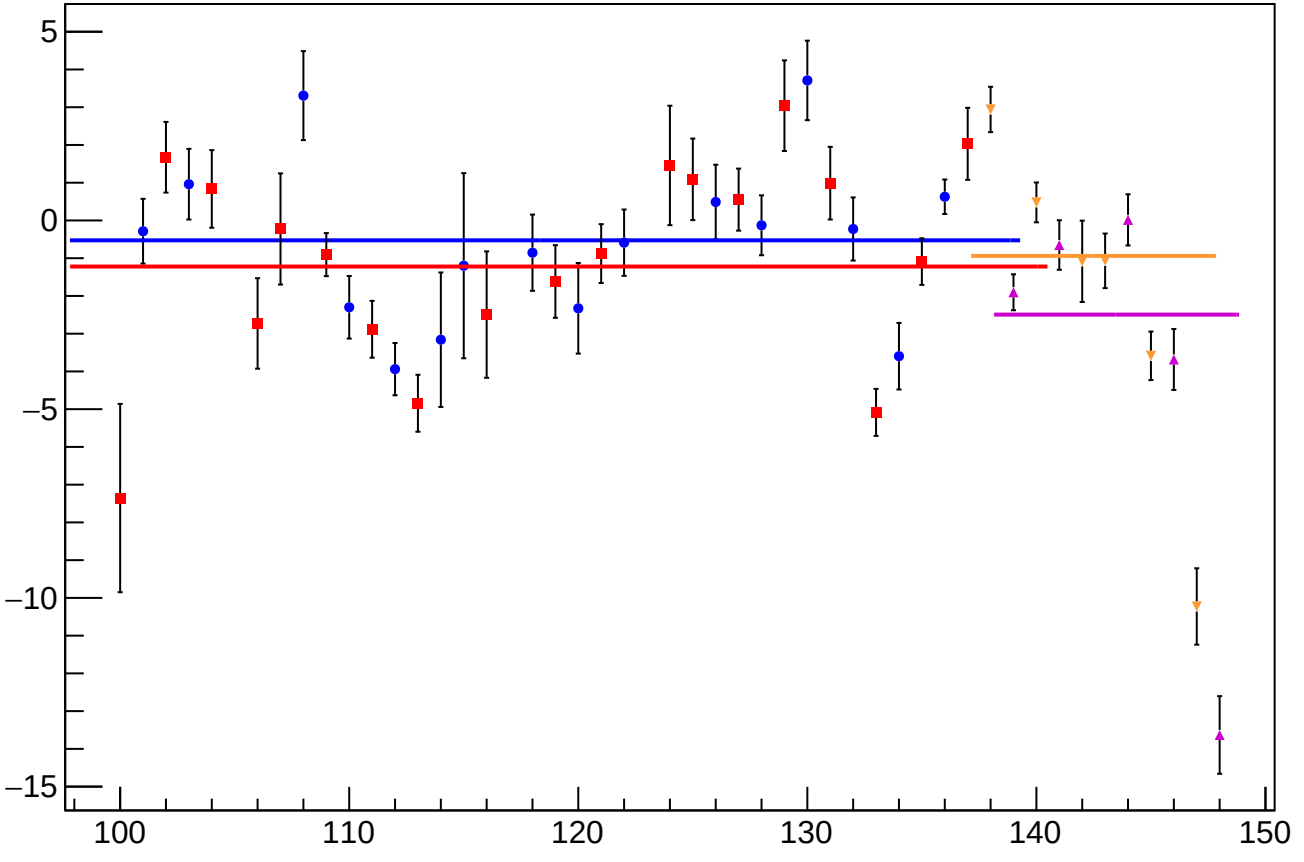
Left In: 0.170+/-0.006 χ^2/NDF:59.5/4

+ sign 0.255+/-0.003 χ^2/NDF: 4088.9/21

All: 0.242+/-0.002 χ^2/NDF: 6653.2/45

- sign 0.229+/-0.003 χ^2/NDF: 2510.7/23

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

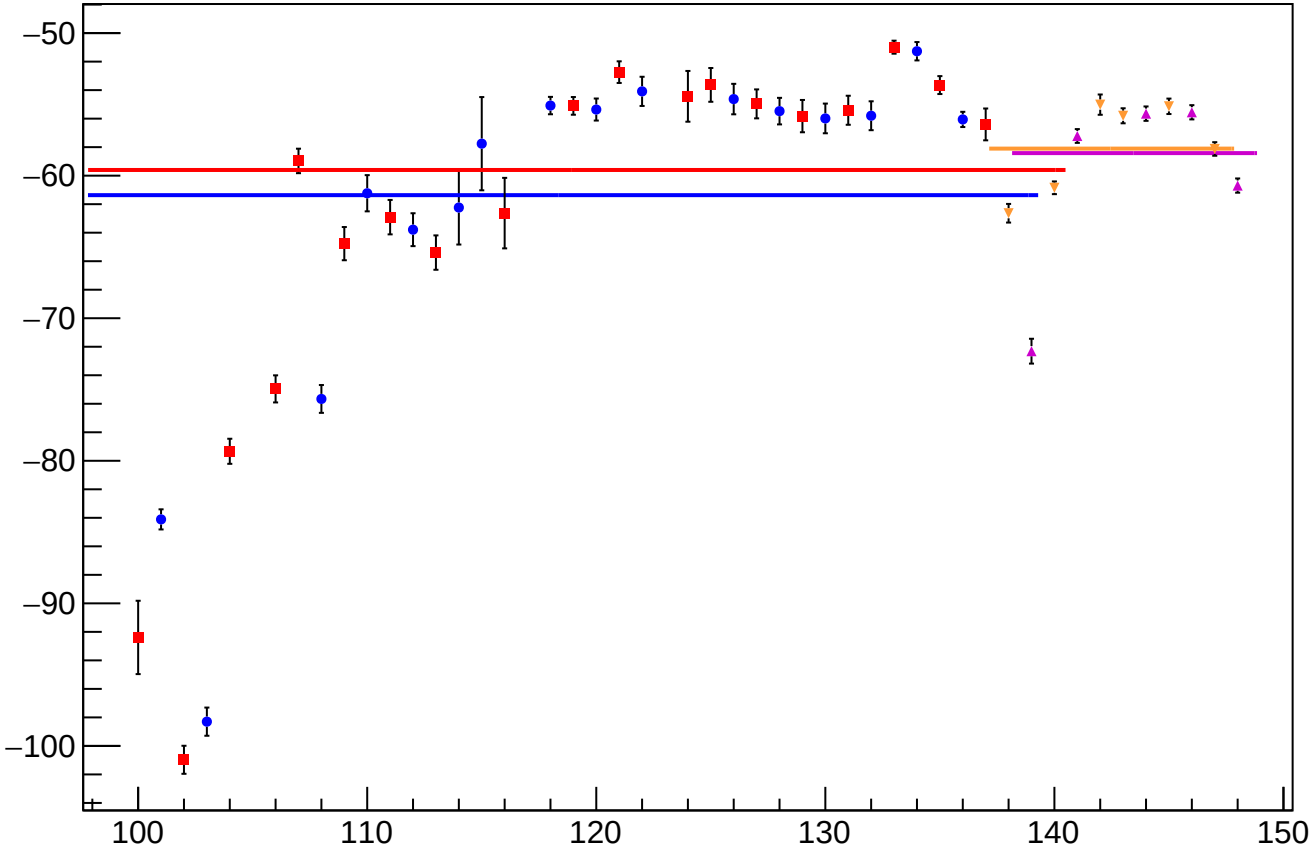
Left In: -2.495+/-0.296 χ^2/NDF:142.6/4

+ sign -0.680+/-0.172 χ^2/NDF: 234.2/21

All: -1.166+/-0.120 χ^2/NDF: 535.8/45

- sign -1.632+/-0.168 χ^2/NDF: 286.0/23

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

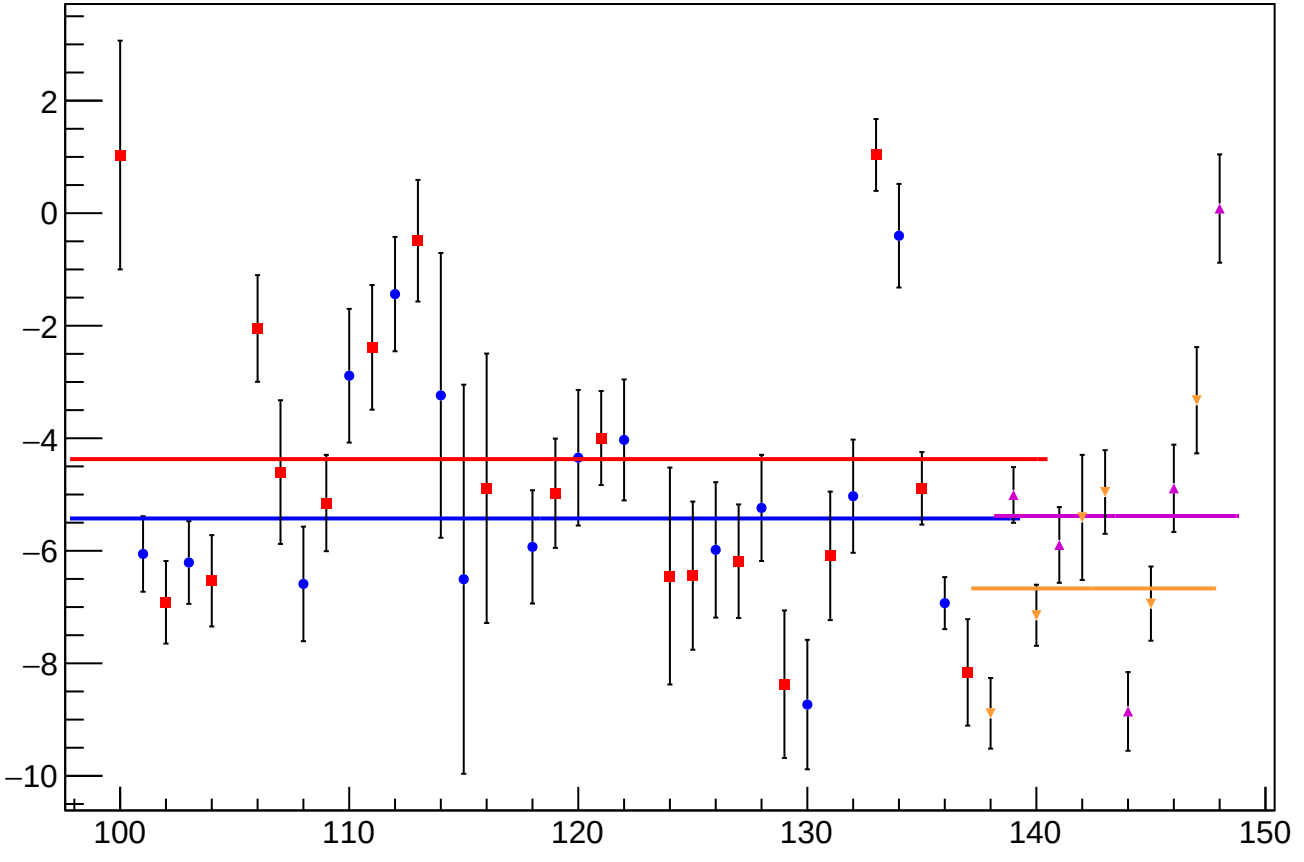
Left In: -58.418+/-0.239 χ^2/NDF:344.2/4

+ sign -59.738+/-0.155 χ^2/NDF: 3616.0/21

All: -59.419+/-0.110 χ^2/NDF: 7404.0/45

- sign -59.095+/-0.156 χ^2/NDF: 3779.5/23

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

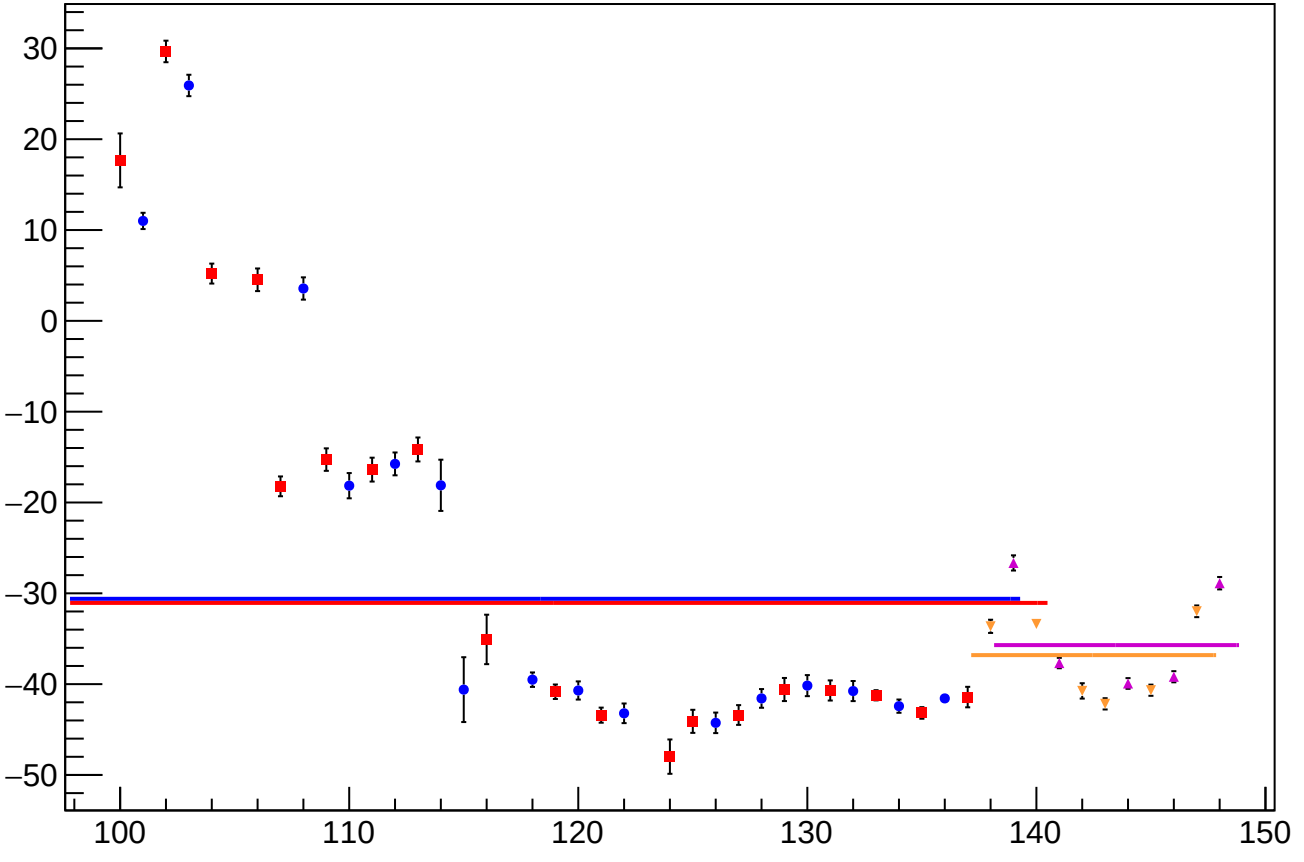
Left In: -5.381+/-0.301 χ^2/NDF:58.4/4

+ sign -5.908+/-0.180 χ^2/NDF: 119.9/21

All: -5.314+/-0.127 χ^2/NDF: 363.8/45

- sign -4.728+/-0.179 χ^2/NDF: 222.3/23

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

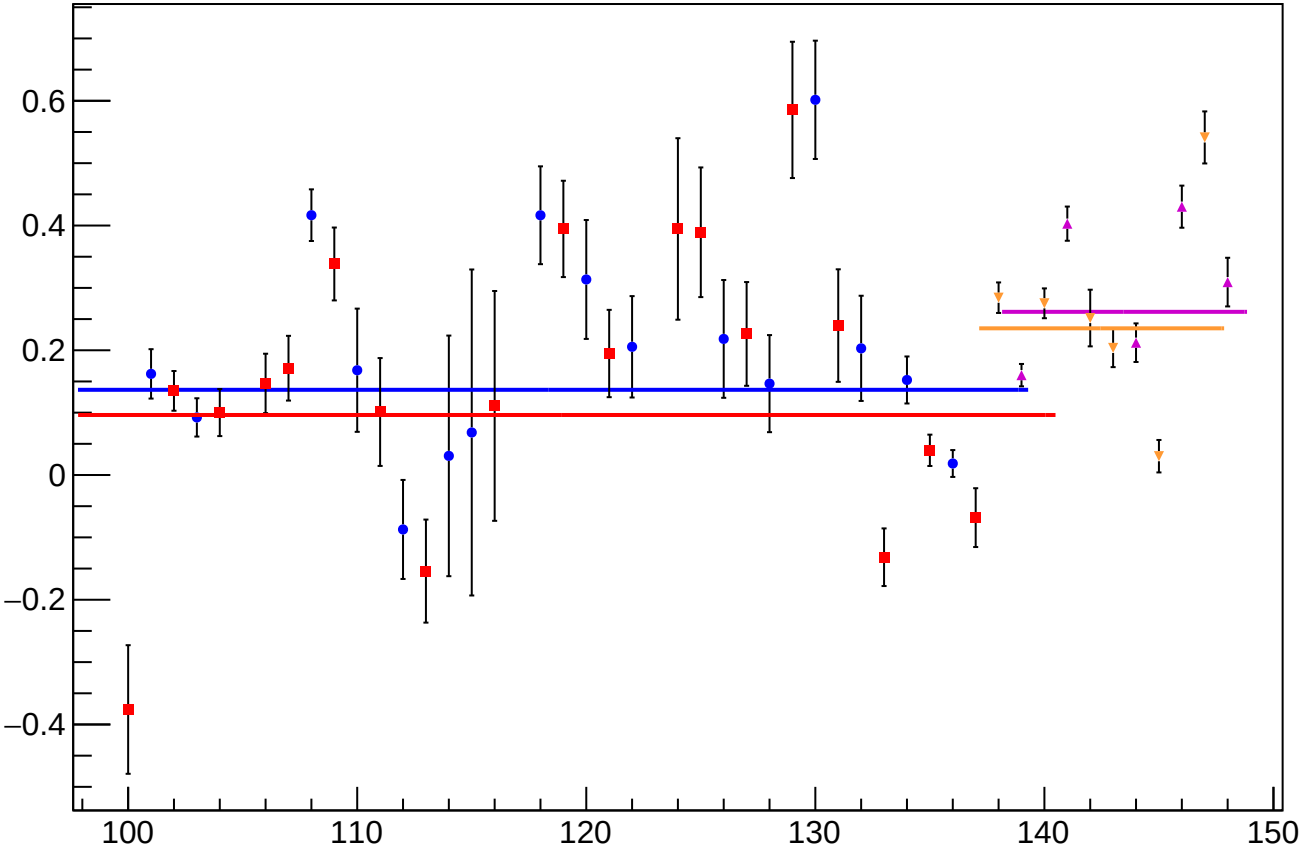
Left In: -35.702+/-0.287 χ^2/NDF:311.5/4

+ sign -33.537+/-0.181 χ^2/NDF: 7482.1/21

All: -33.245+/-0.129 χ^2/NDF: 14930.7/45

- sign -32.948+/-0.183 χ^2/NDF: 7443.4/23

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

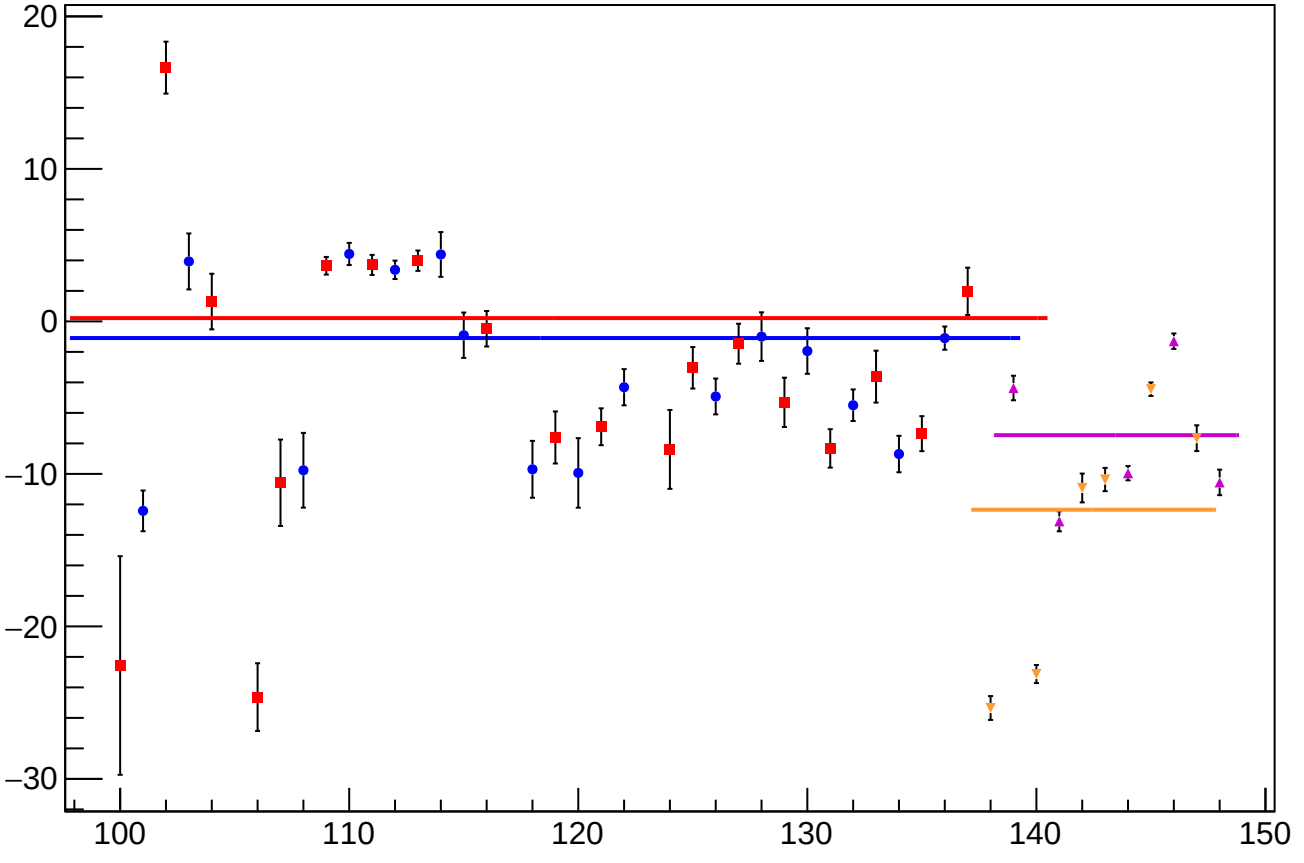
Left In: 0.262+/-0.012 χ^2/NDF:87.7/4

+ sign 0.188+/-0.009 χ^2/NDF: 285.6/21

All: 0.185+/-0.006 χ^2/NDF: 614.1/45

- sign 0.182+/-0.009 χ^2/NDF: 328.2/23

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

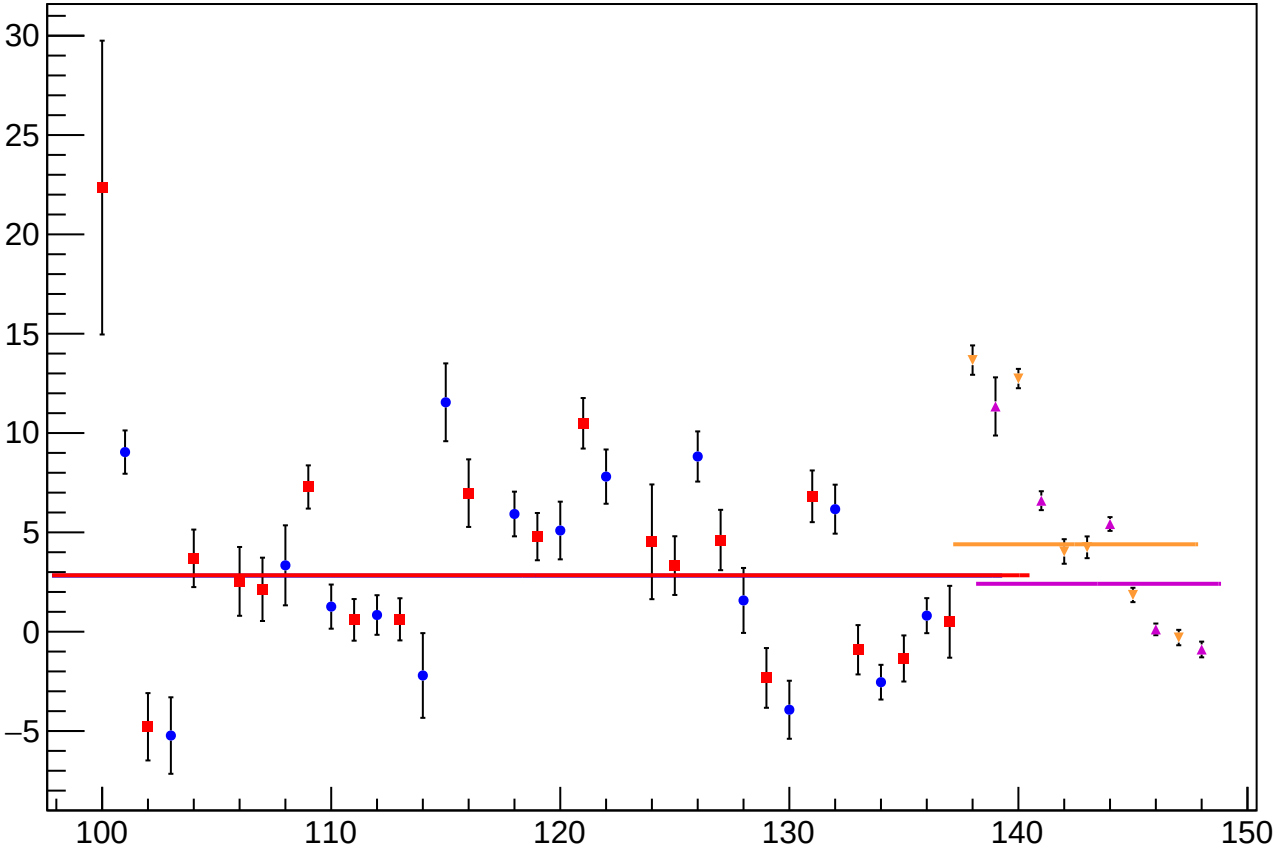
Left In: -7.461+/-0.270 χ^2/NDF:278.7/4

+ sign -6.965+/-0.194 χ^2/NDF: 2139.9/21

All: -5.226+/-0.136 χ^2/NDF: 3506.1/45

- sign -3.565+/-0.190 χ^2/NDF: 1209.2/23

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

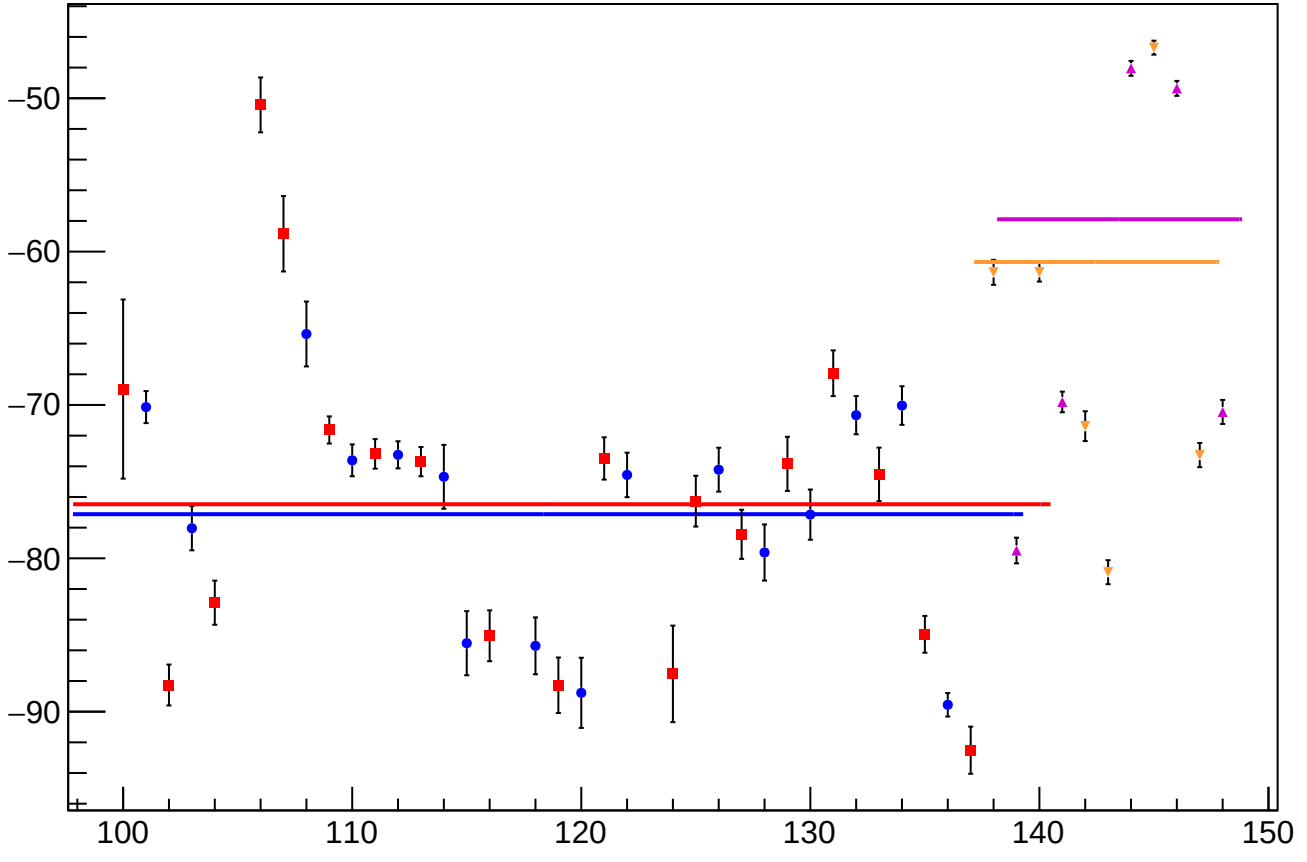
Left In: 2.411+/-0.179 χ^2/NDF:320.5/4

+ sign 3.960+/-0.166 χ^2/NDF: 865.8/21

All: 3.196+/-0.114 χ^2/NDF: 1372.9/45

- sign 2.513+/-0.157 χ^2/NDF: 466.8/23

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

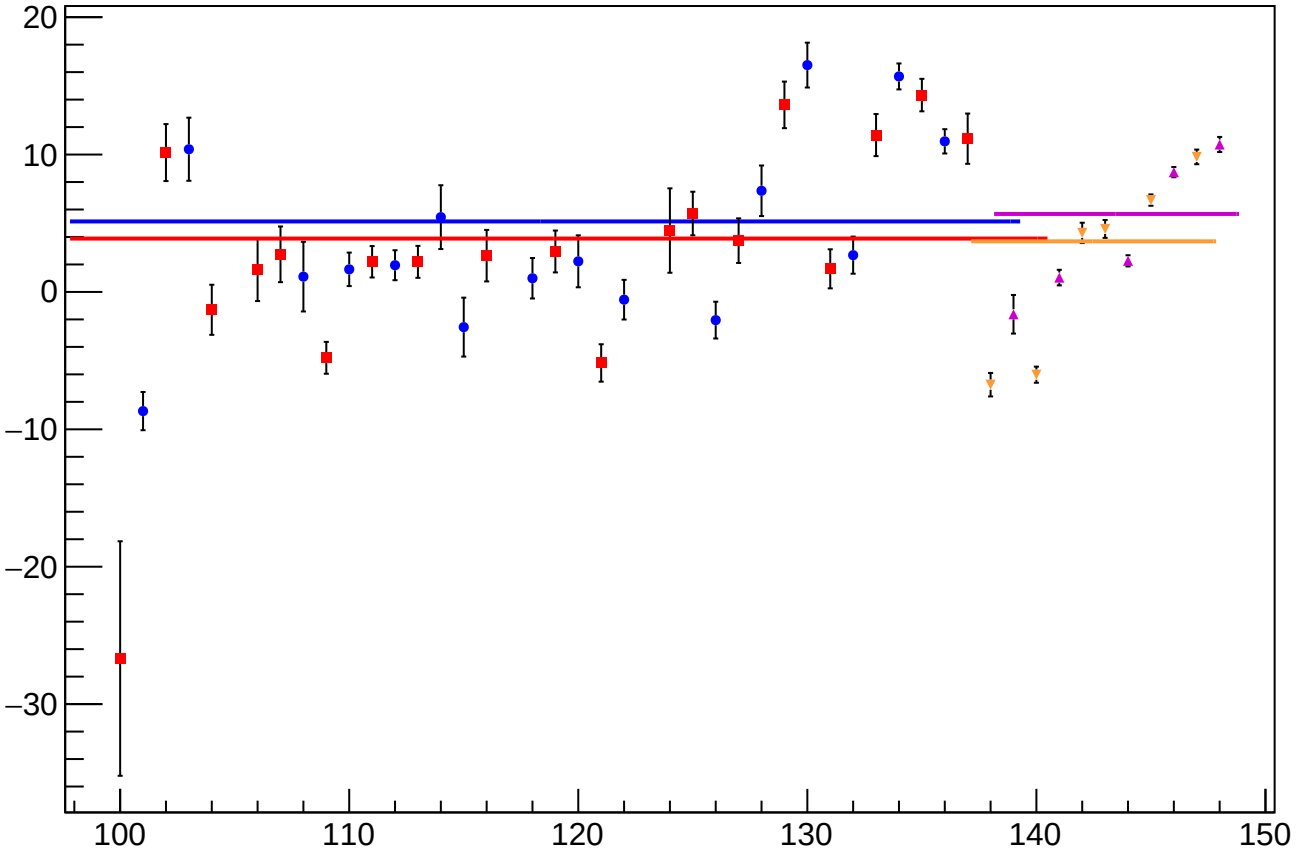
Left In: -57.891+/-0.270 χ^2/NDF:1954.2/4

+ sign -67.479+/-0.210 χ^2/NDF: 3978.9/21

All: -66.426+/-0.148 χ^2/NDF: 8588.9/45

- sign -65.385+/-0.209 χ^2/NDF: 4559.9/23

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

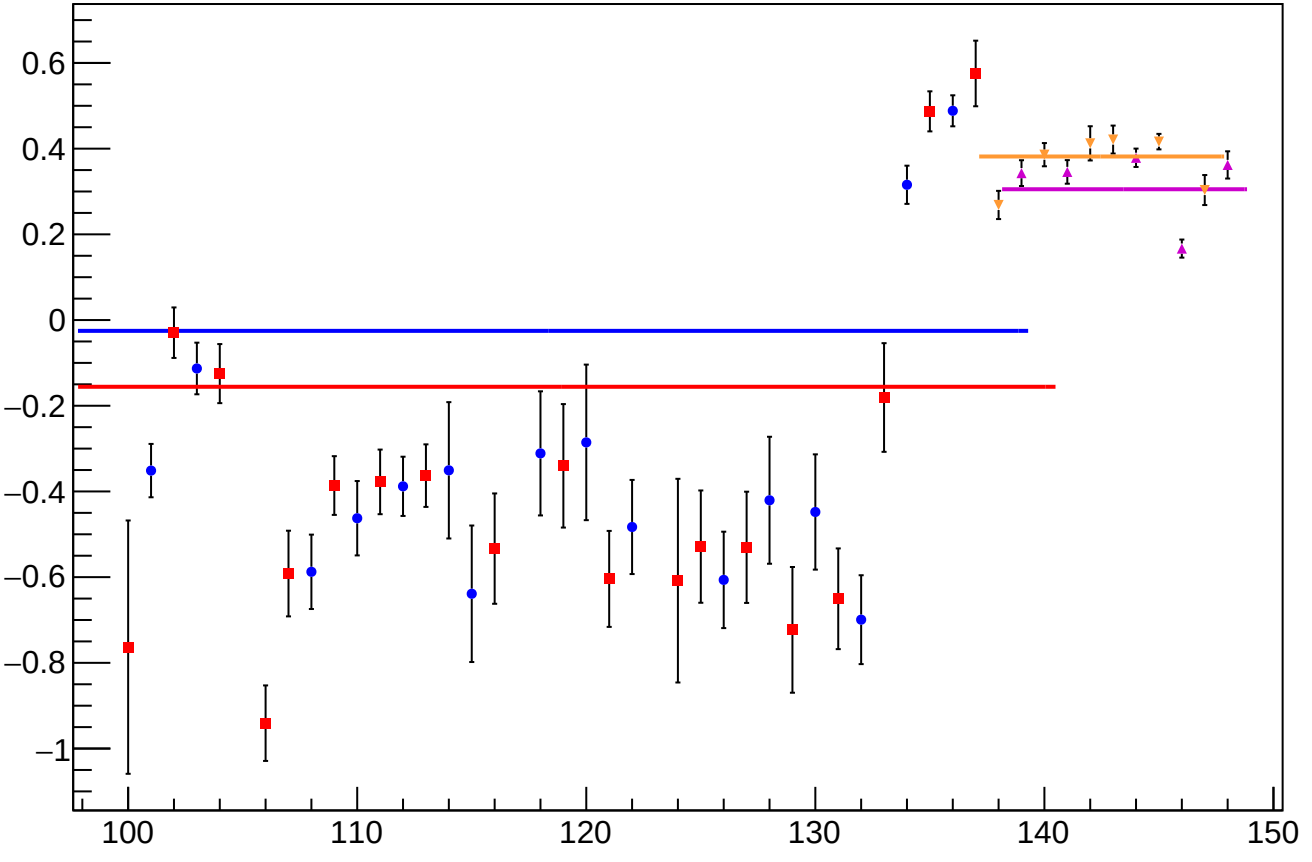
Left In: 5.677+/-0.223 χ^2/NDF:315.0/4

+ sign 4.138+/-0.196 χ^2/NDF: 1035.3/21

All: 4.678+/-0.136 χ^2/NDF: 1674.3/45

- sign 5.184+/-0.190 χ^2/NDF: 624.3/23

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

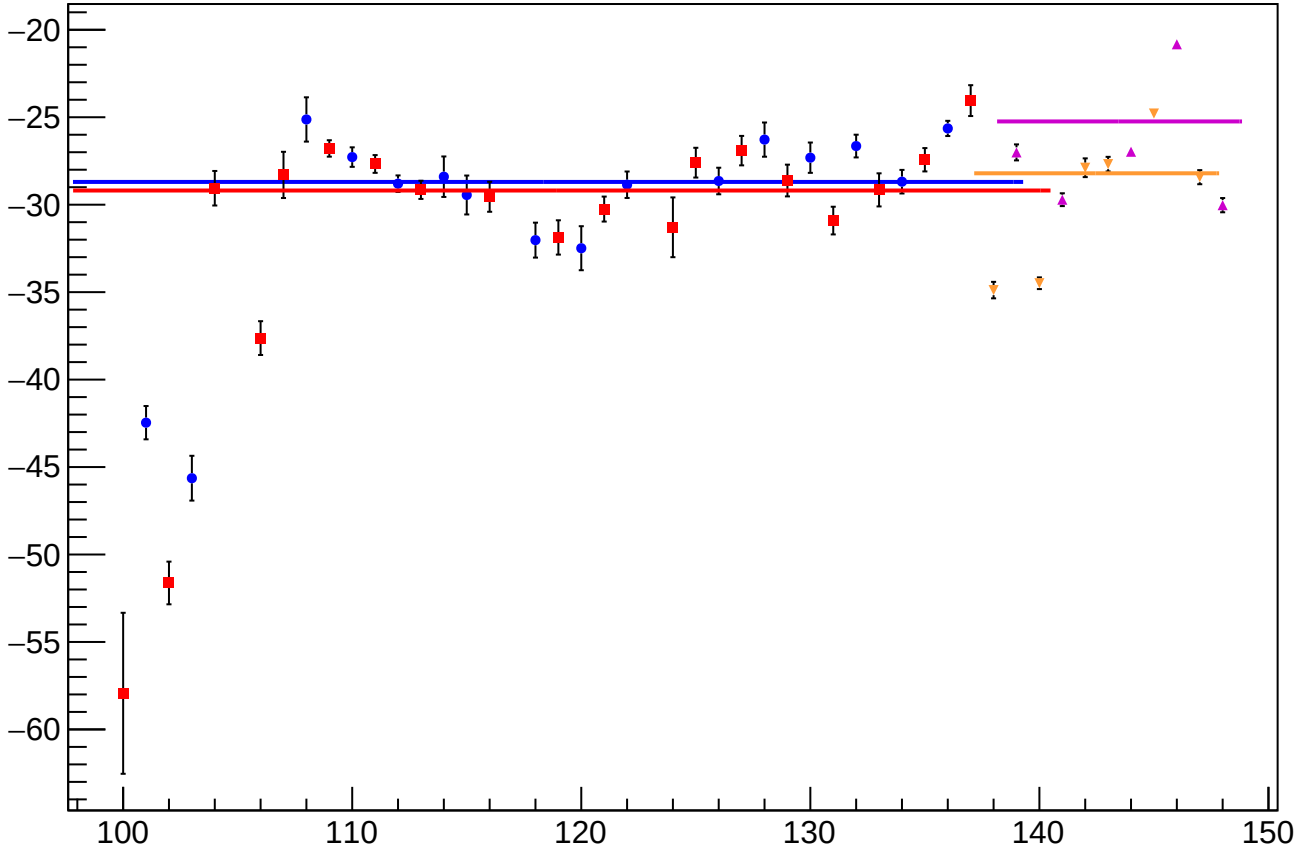
Left In: 0.305+/-0.011 χ^2/NDF:61.7/4

+ sign 0.274+/-0.010 χ^2/NDF: 874.2/21

All: 0.235+/-0.007 χ^2/NDF: 1858.9/45

- sign 0.195+/-0.010 χ^2/NDF: 952.9/23

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

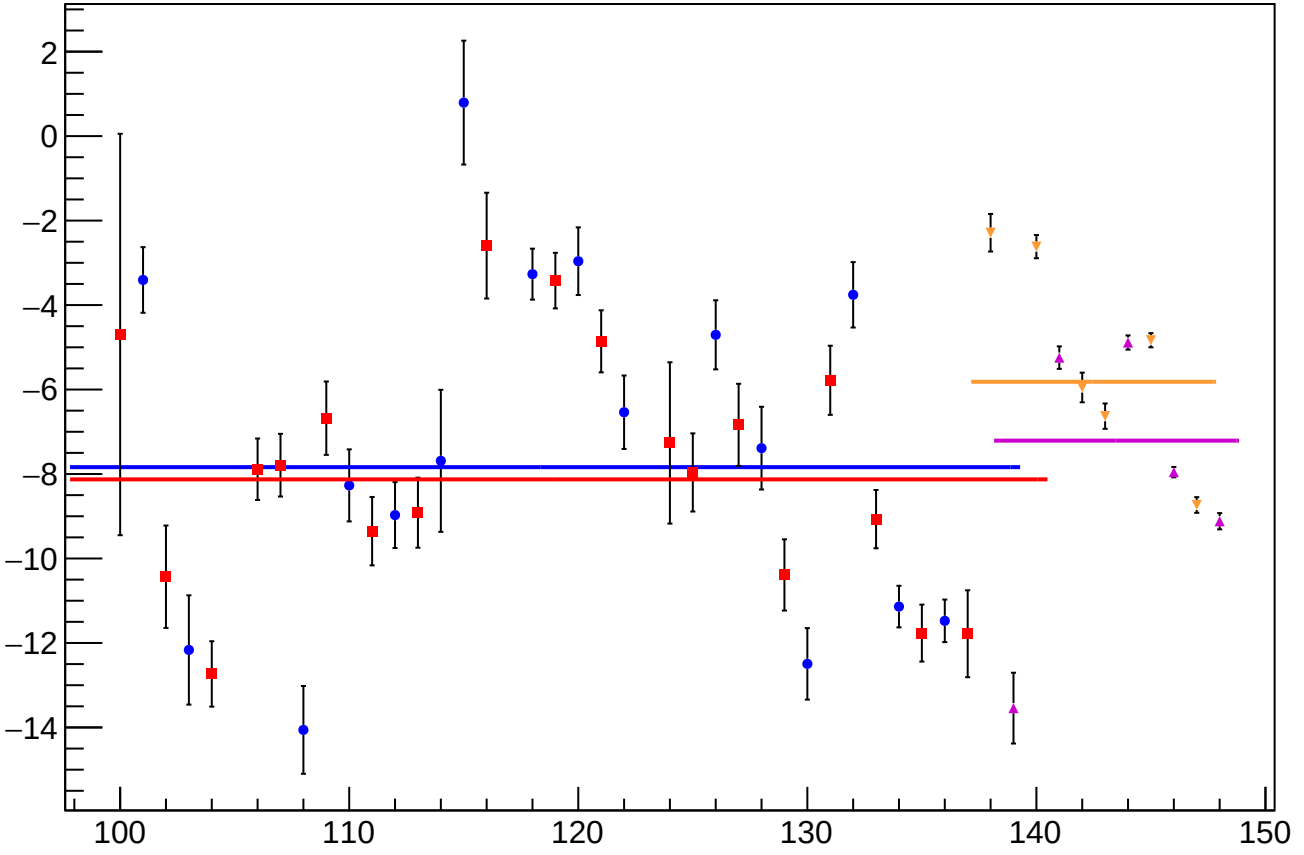
Left In: -25.240+/-0.128 χ^2/NDF:817.6/4

+ sign -28.379+/-0.110 χ^2/NDF: 1331.9/21

All: -27.418+/-0.076 χ^2/NDF: 3167.5/45

- sign -26.555+/-0.105 χ^2/NDF: 1691.7/23

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

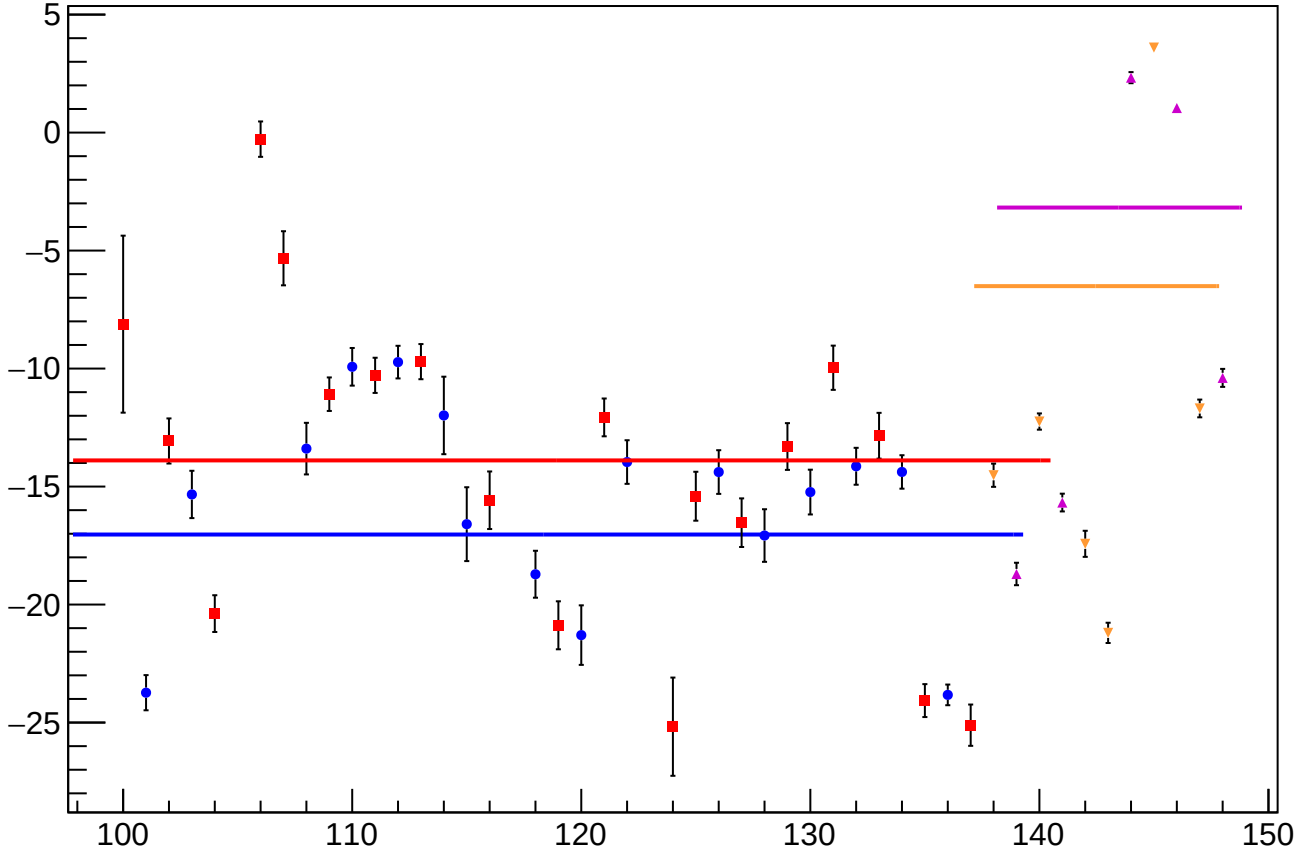
Left In: -7.210+/-0.083 χ^2/NDF:437.3/4

+ sign -6.230+/-0.088 χ^2/NDF: 957.0/21

All: -6.867+/-0.058 χ^2/NDF: 1701.7/45

- sign -7.349+/-0.077 χ^2/NDF: 653.0/23

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

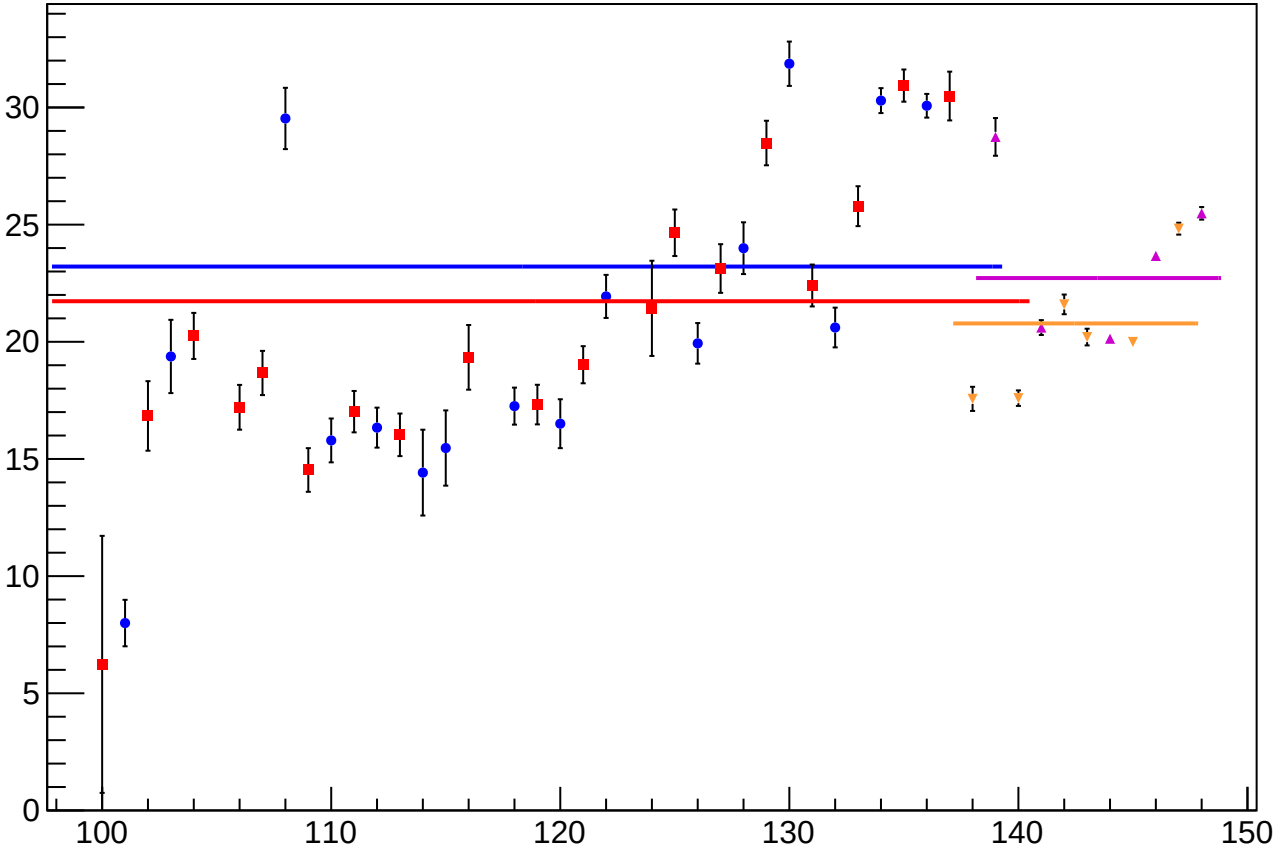
Left In: -3.177+/-0.127 χ^2/NDF:3525.7/4

+ sign -9.740+/-0.116 χ^2/NDF: 7009.2/21

All: -7.784+/-0.079 χ^2/NDF: 13999.5/45

- sign -6.067+/-0.109 χ^2/NDF: 6456.6/23

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

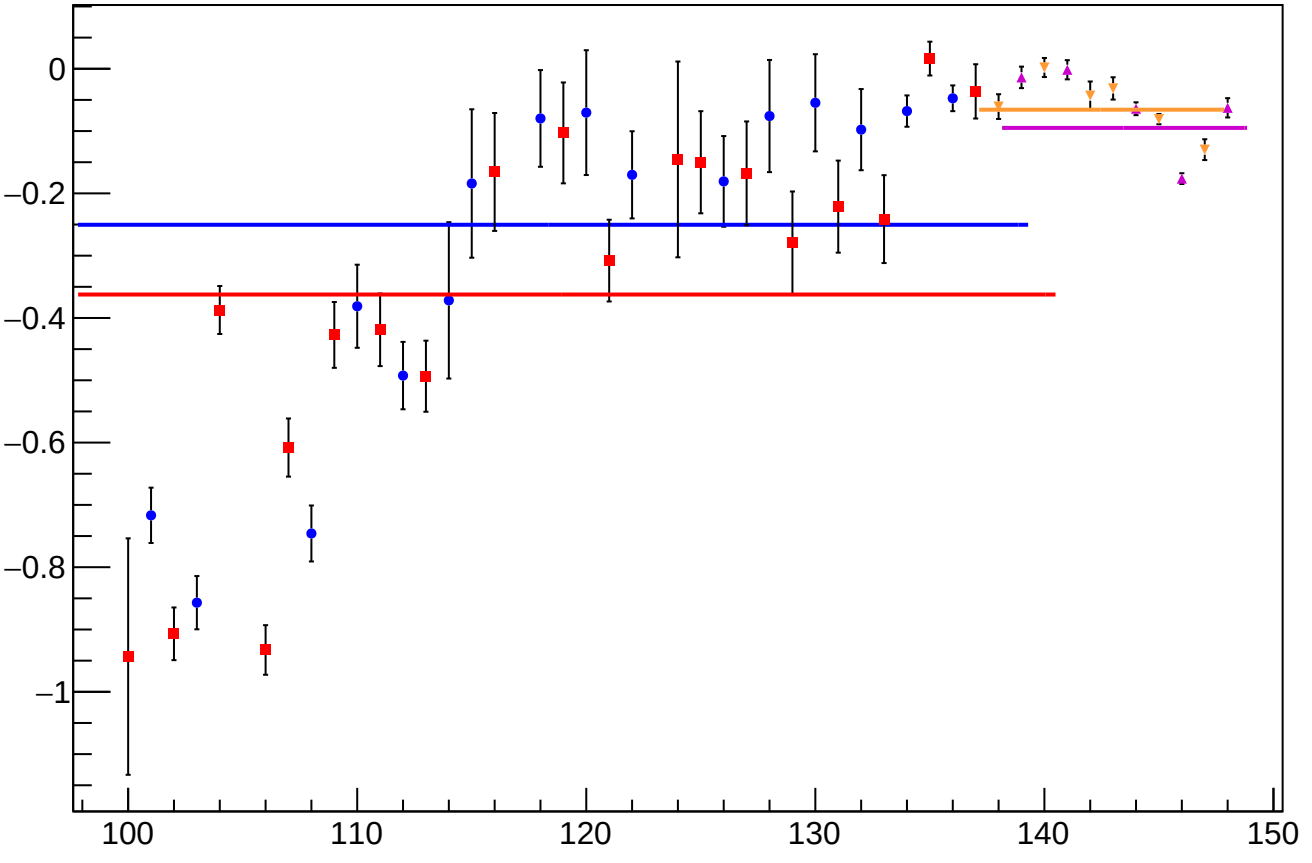
Left In: 22.720+/-0.104 χ^2/NDF:416.4/4

+ sign 21.350+/-0.105 χ^2/NDF: 1511.4/21

All: 22.016+/-0.070 χ^2/NDF: 2574.0/45

- sign 22.547+/-0.094 χ^2/NDF: 990.7/23

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

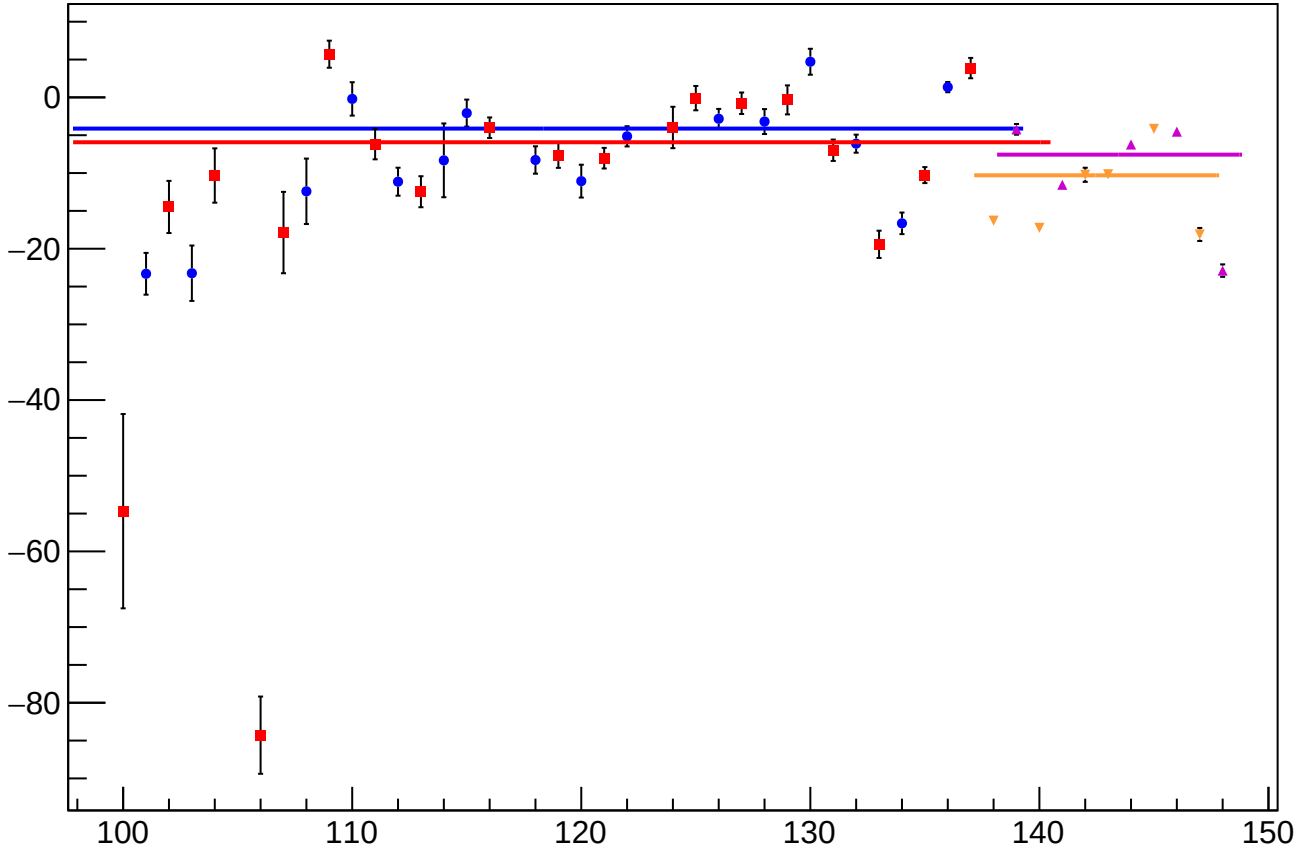
Left In: -0.095+/-0.005 χ^2/NDF:160.9/4

+ sign -0.102+/-0.005 χ^2/NDF: 877.7/21

All: -0.121+/-0.004 χ^2/NDF: 2162.1/45

- sign -0.138+/-0.005 χ^2/NDF: 1259.5/23

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

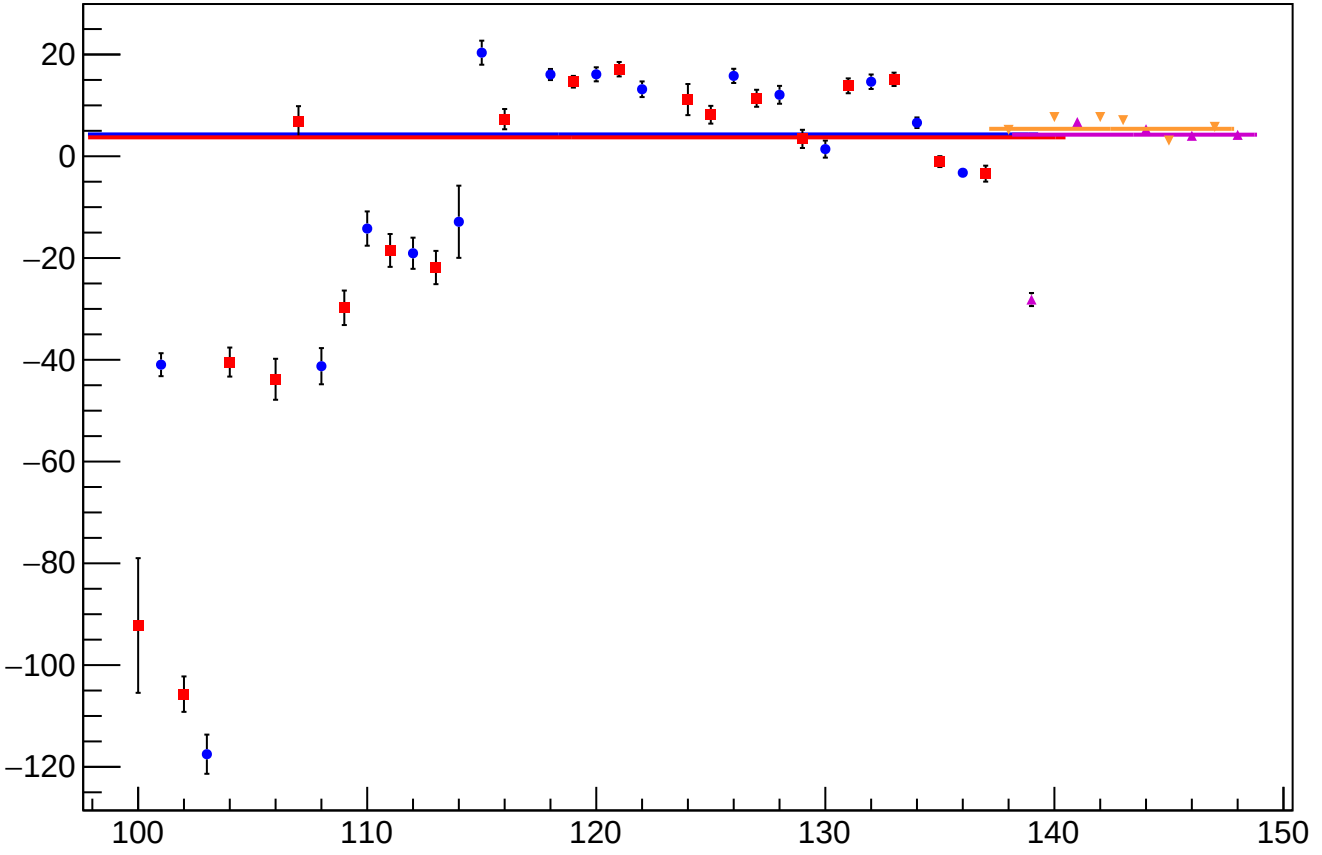
Left In: -7.568+/-0.237 χ^2/NDF:473.5/4

+ sign -8.573+/-0.202 χ^2/NDF: 1077.1/21

All: -7.874+/-0.144 χ^2/NDF: 2069.6/45

- sign -7.154+/-0.205 χ^2/NDF: 968.2/23

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

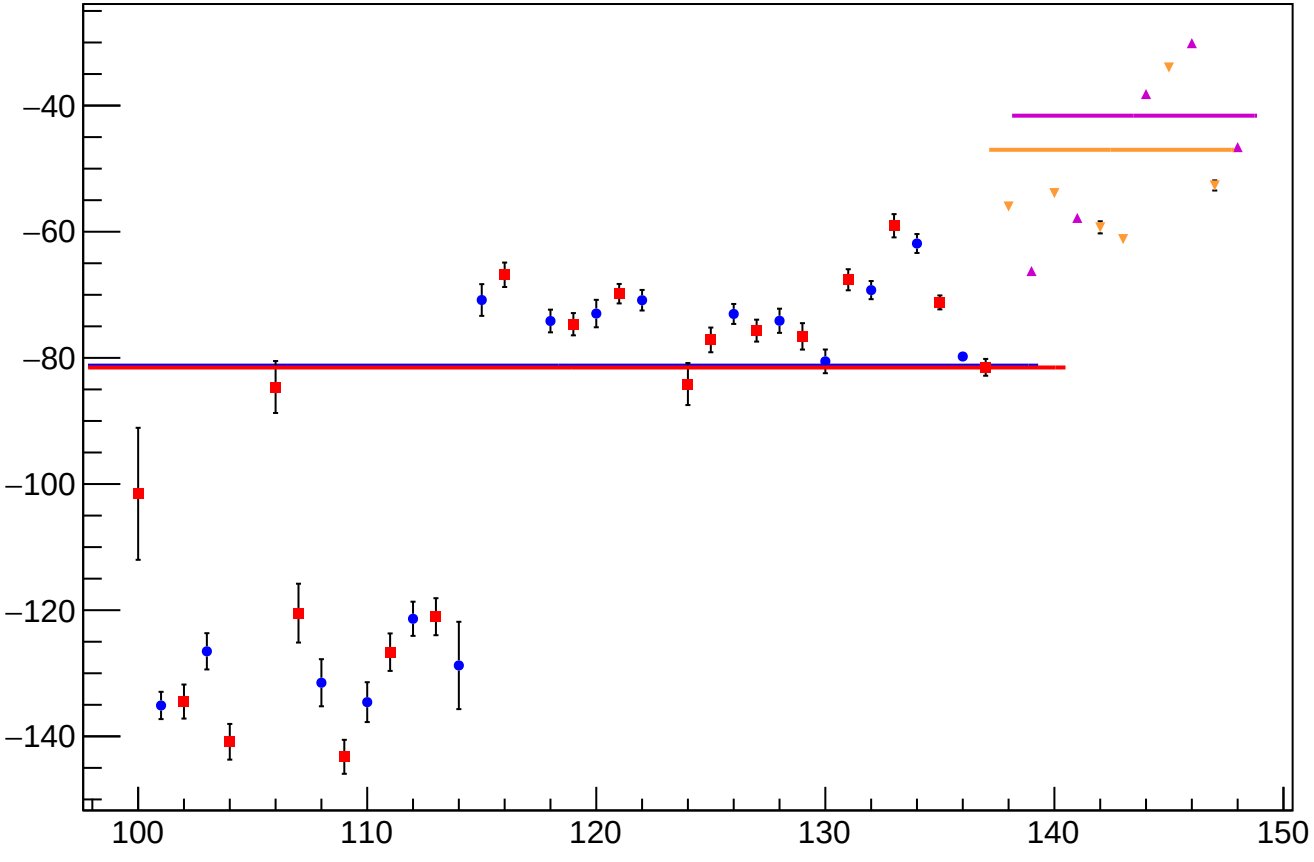
Left In: 4.243+/-0.161 χ^2/NDF:677.6/4

+ sign 5.203+/-0.161 χ^2/NDF: 2289.8/21

All: 4.655+/-0.110 χ^2/NDF: 4997.8/45

- sign 4.176+/-0.150 χ^2/NDF: 2686.1/23

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

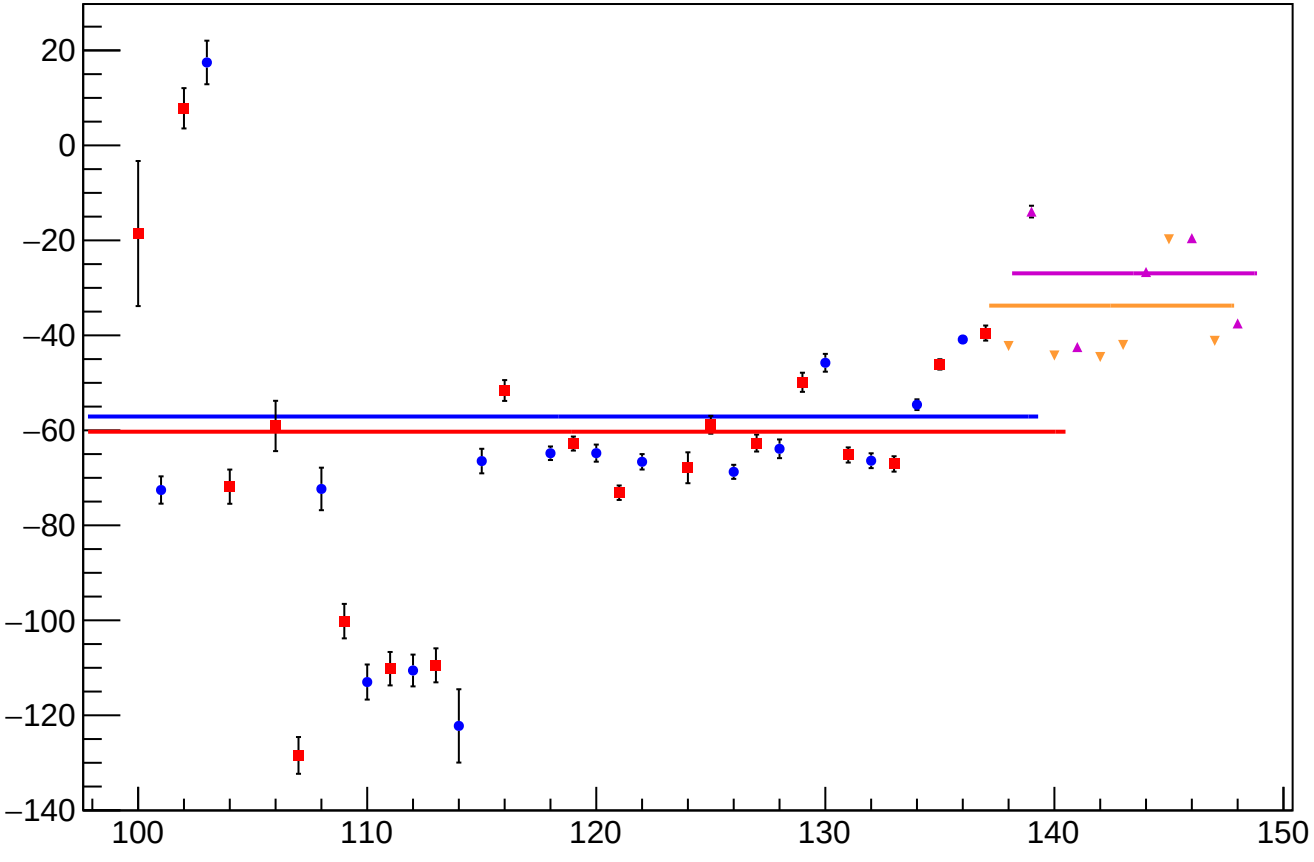
Left In: -41.603+/-0.237 χ^2/NDF:2705.9/4

+ sign -55.715+/-0.210 χ^2/NDF: 9138.5/21

All: -52.832+/-0.149 χ^2/NDF: 20433.4/45

- sign -49.932+/-0.211 χ^2/NDF: 10917.7/23

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



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

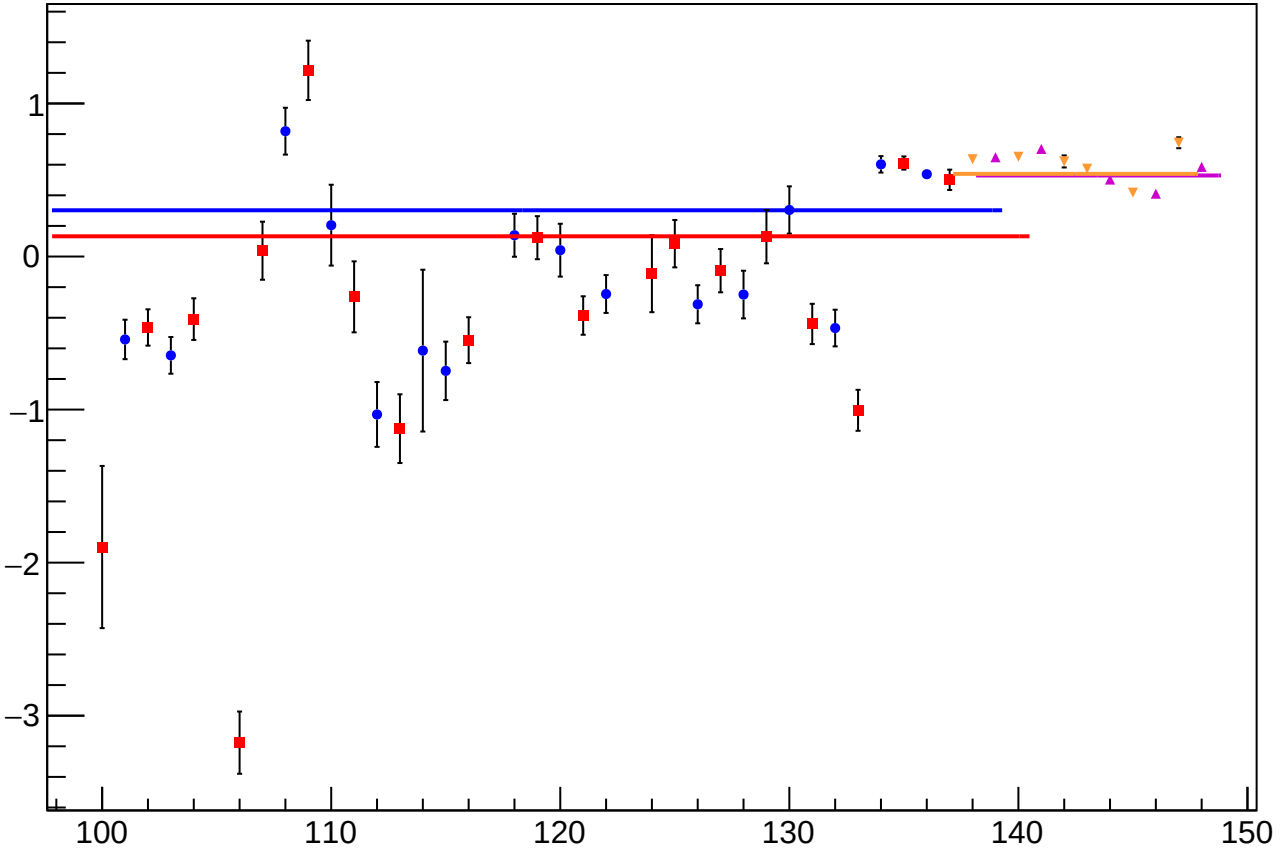
Left In: -26.942+/-0.198 χ^2/NDF:1875.1/4

+ sign -38.406+/-0.190 χ^2/NDF: 6730.0/21

All: -35.042+/-0.132 χ^2/NDF: 15067.9/45

- sign -31.956+/-0.182 χ^2/NDF: 7739.0/23

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

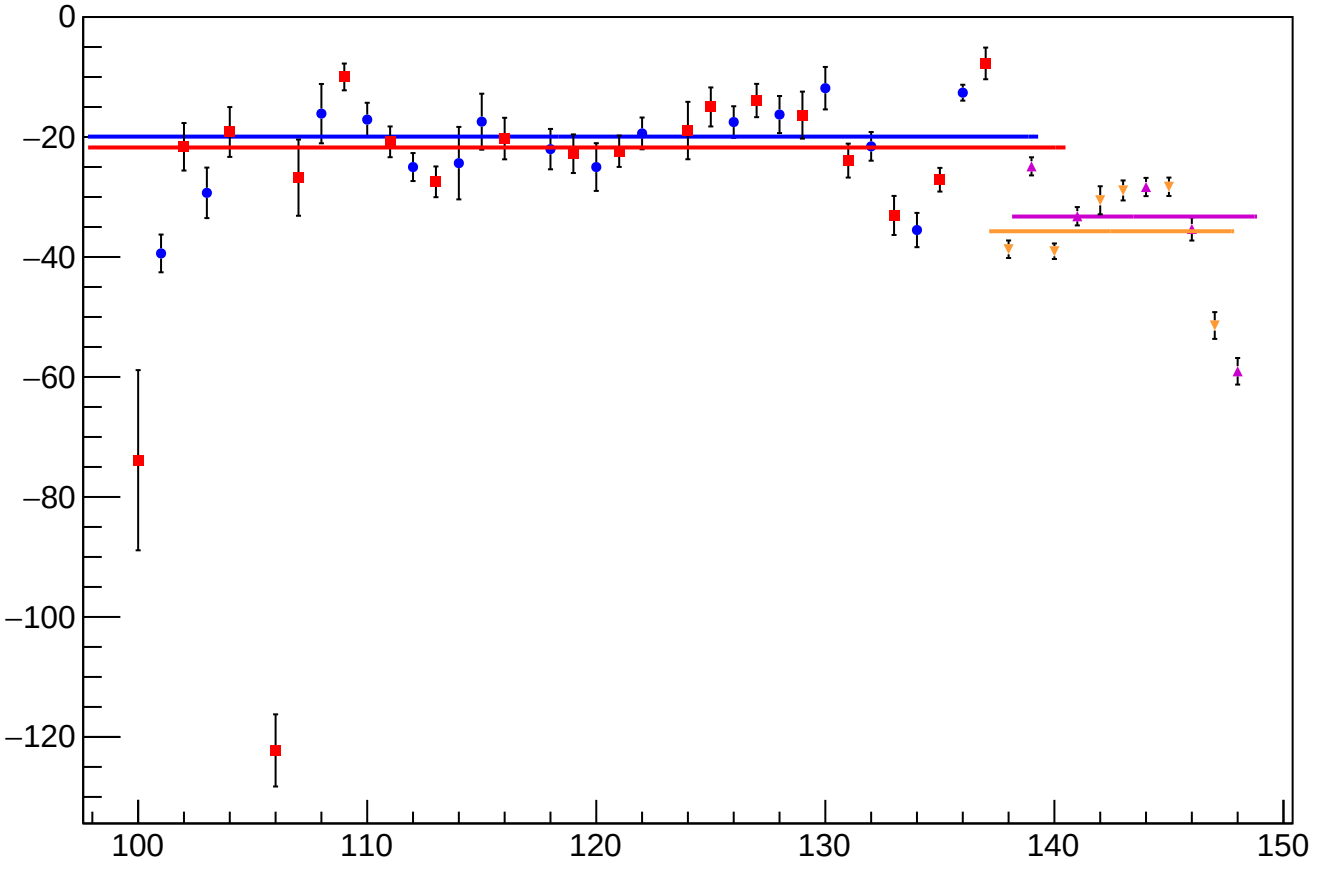
Left In: 0.530+/-0.010 χ^2/NDF:116.9/4

+ sign 0.502+/-0.009 χ^2/NDF: 600.8/21

All: 0.491+/-0.007 χ^2/NDF: 1589.9/45

- sign 0.480+/-0.009 χ^2/NDF: 986.4/23

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

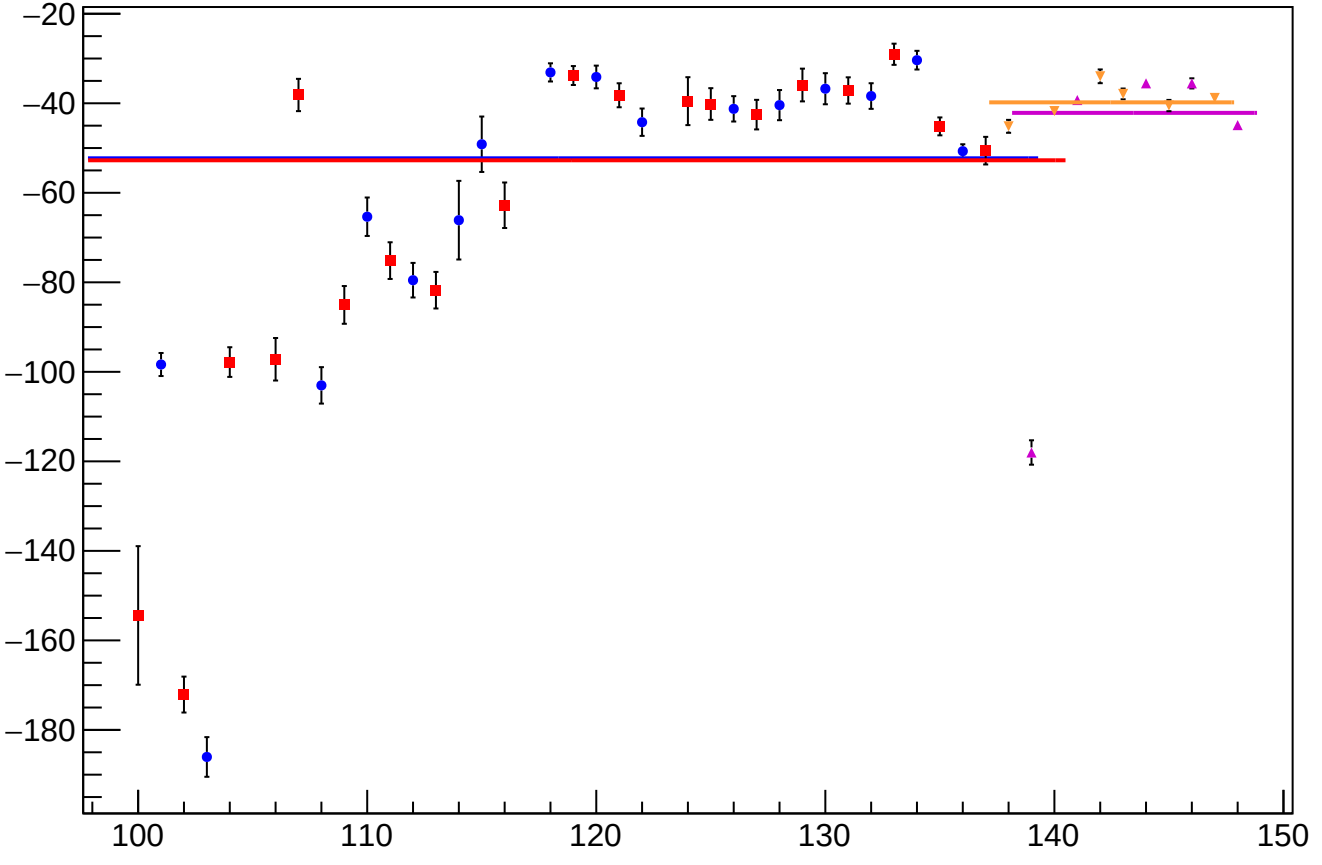
Left In: -33.257+/-0.751 χ^2/NDF:178.1/4

+ sign -28.118+/-0.482 χ^2/NDF: 493.2/21

All: -27.695+/-0.353 χ^2/NDF: 1184.8/45

- sign -27.208+/-0.517 χ^2/NDF: 689.9/23

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

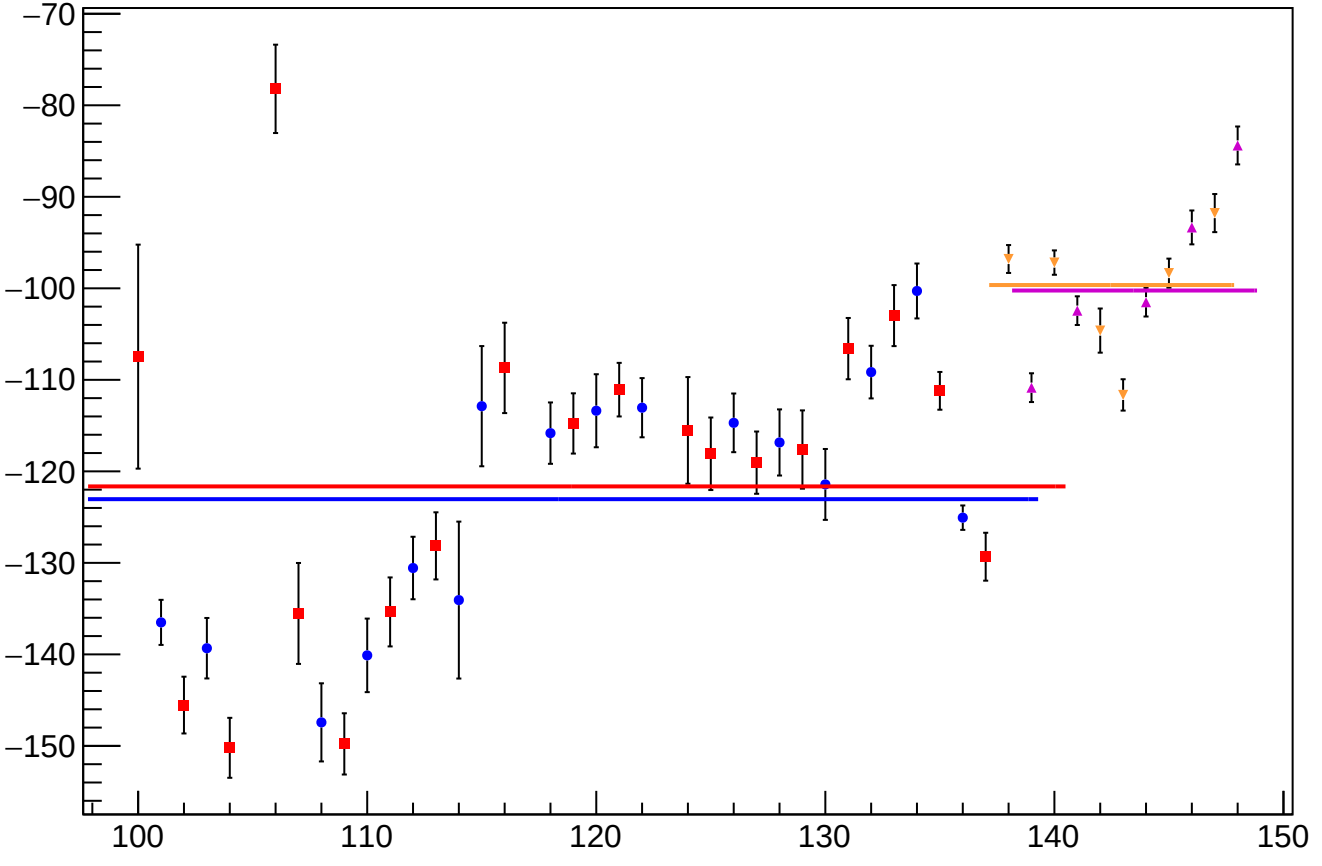
Left In: -42.143+/-0.542 χ^2/NDF:856.1/4

\+ sign -43.939+/-0.408 χ^2/NDF: 2021.6/21

All: -44.796+/-0.299 χ^2/NDF: 4681.2/45

\- sign -45.787+/-0.439 χ^2/NDF: 2650.1/23

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

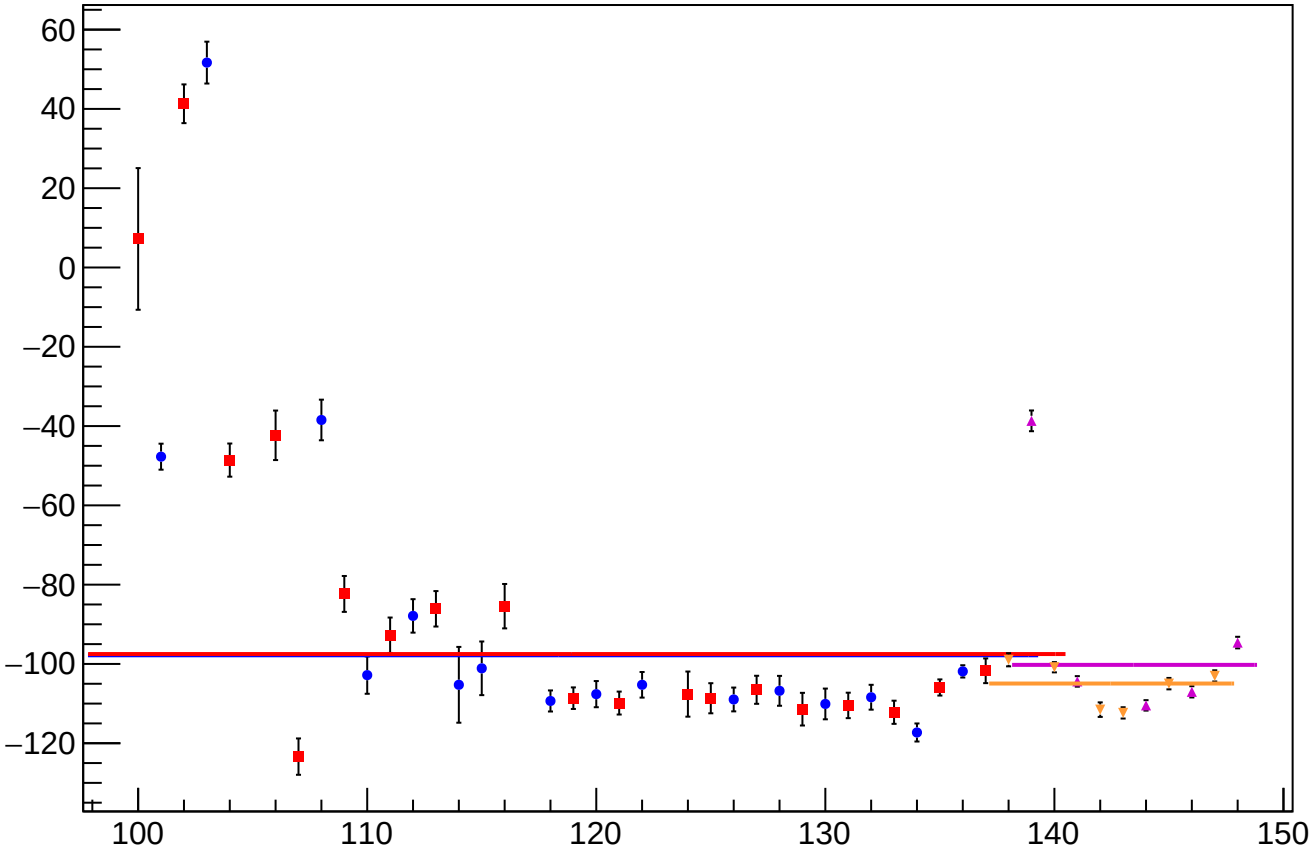
Left In: -100.240+/-0.757 χ^2/NDF:120.6/4

+ sign -110.265+/-0.505 χ^2/NDF: 833.4/21

All: -110.299+/-0.372 χ^2/NDF: 1755.5/45

- sign -110.339+/-0.550 χ^2/NDF: 922.1/23

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

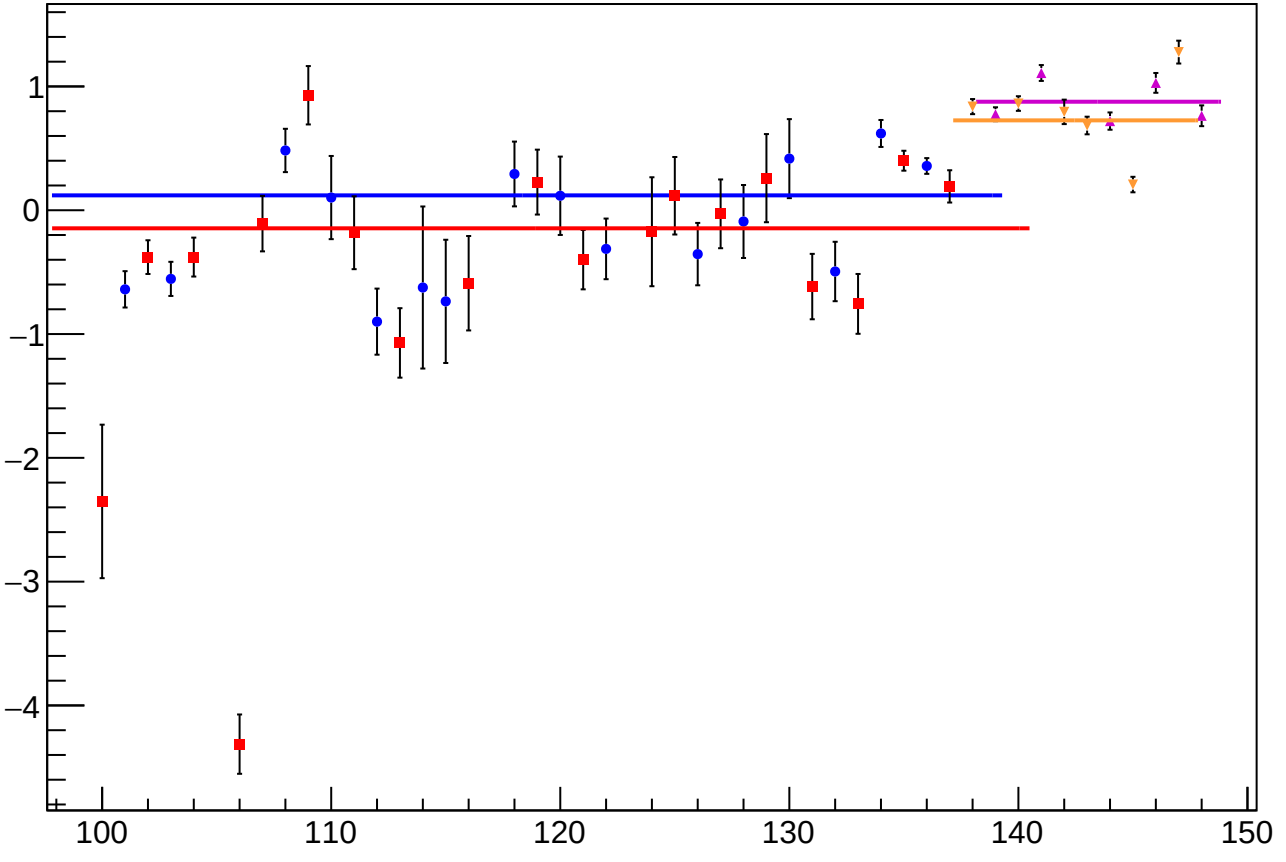
Left In: -100.236+/-0.666 χ^2/NDF:661.8/4

+ sign -102.320+/-0.481 χ^2/NDF: 1446.8/21

All: -100.883+/-0.354 χ^2/NDF: 3371.0/45

- sign -99.186+/-0.523 χ^2/NDF: 1904.7/23

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

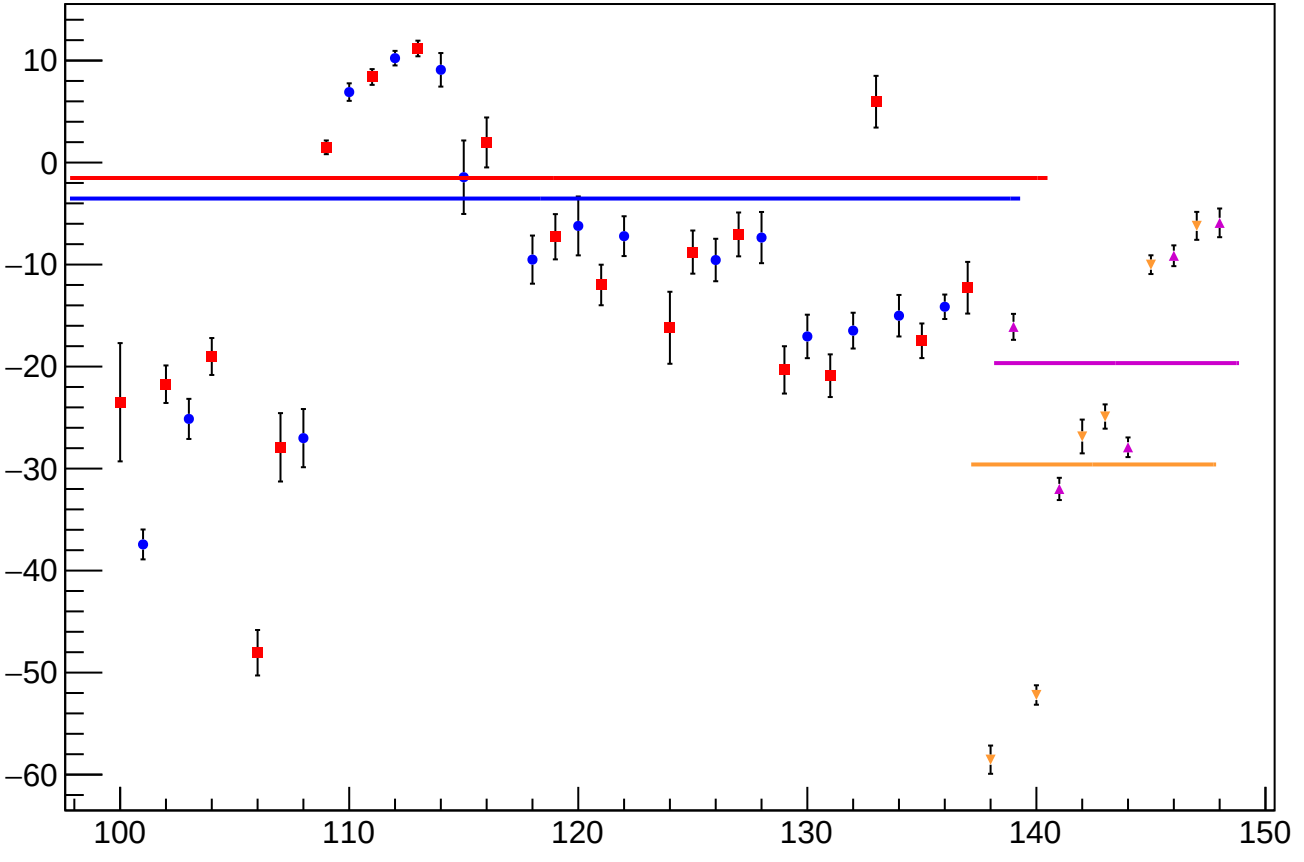
Left In: 0.877+/-0.031 χ^2/NDF:26.8/4

+ sign 0.530+/-0.023 χ^2/NDF: 383.6/21

All: 0.540+/-0.017 χ^2/NDF: 1185.7/45

- sign 0.551+/-0.025 χ^2/NDF: 801.7/23

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

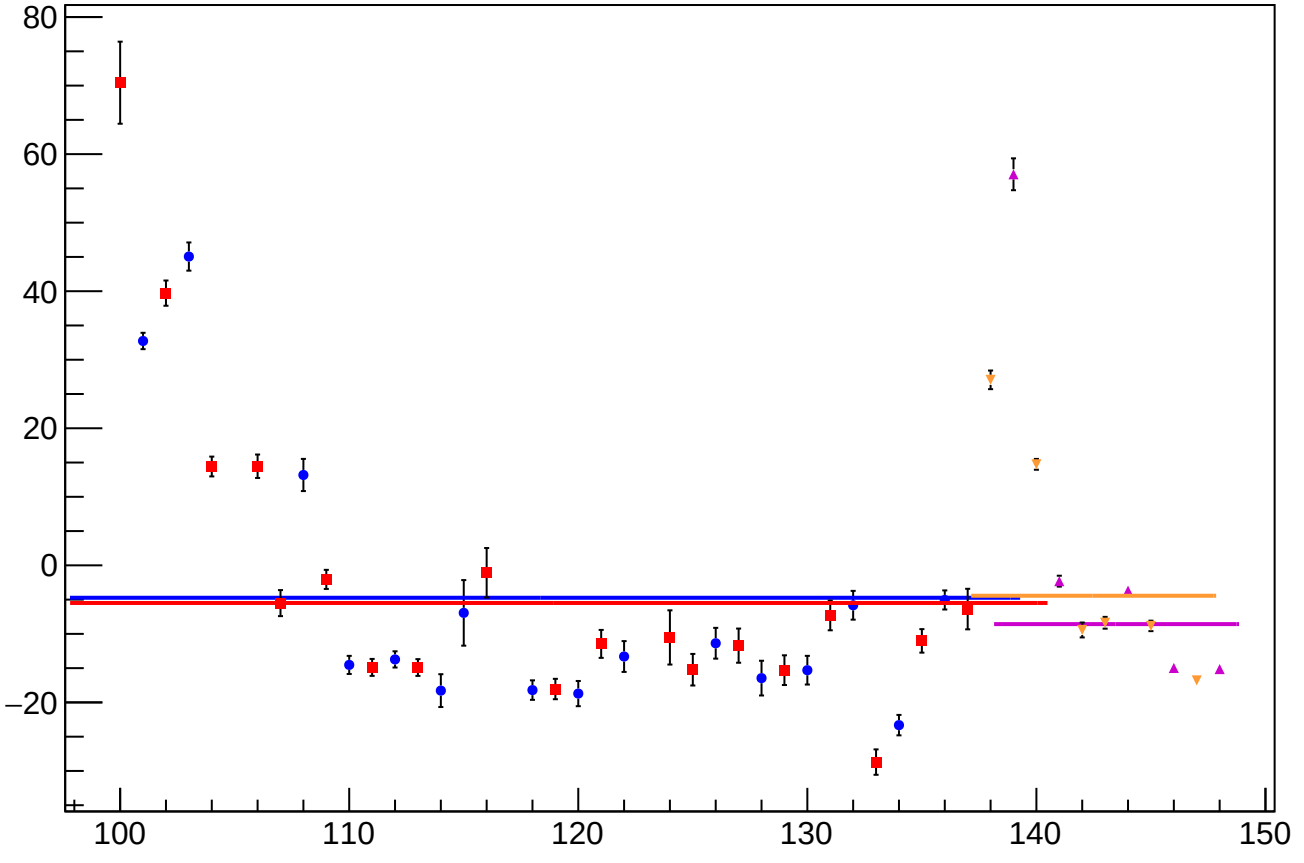
Left In: -19.659+/-0.500 χ^2/NDF:411.4/4

+ sign -13.560+/-0.296 χ^2/NDF: 5133.8/21

All: -10.222+/-0.203 χ^2/NDF: 8216.3/45

- sign -7.220+/-0.280 χ^2/NDF: 2840.1/23

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

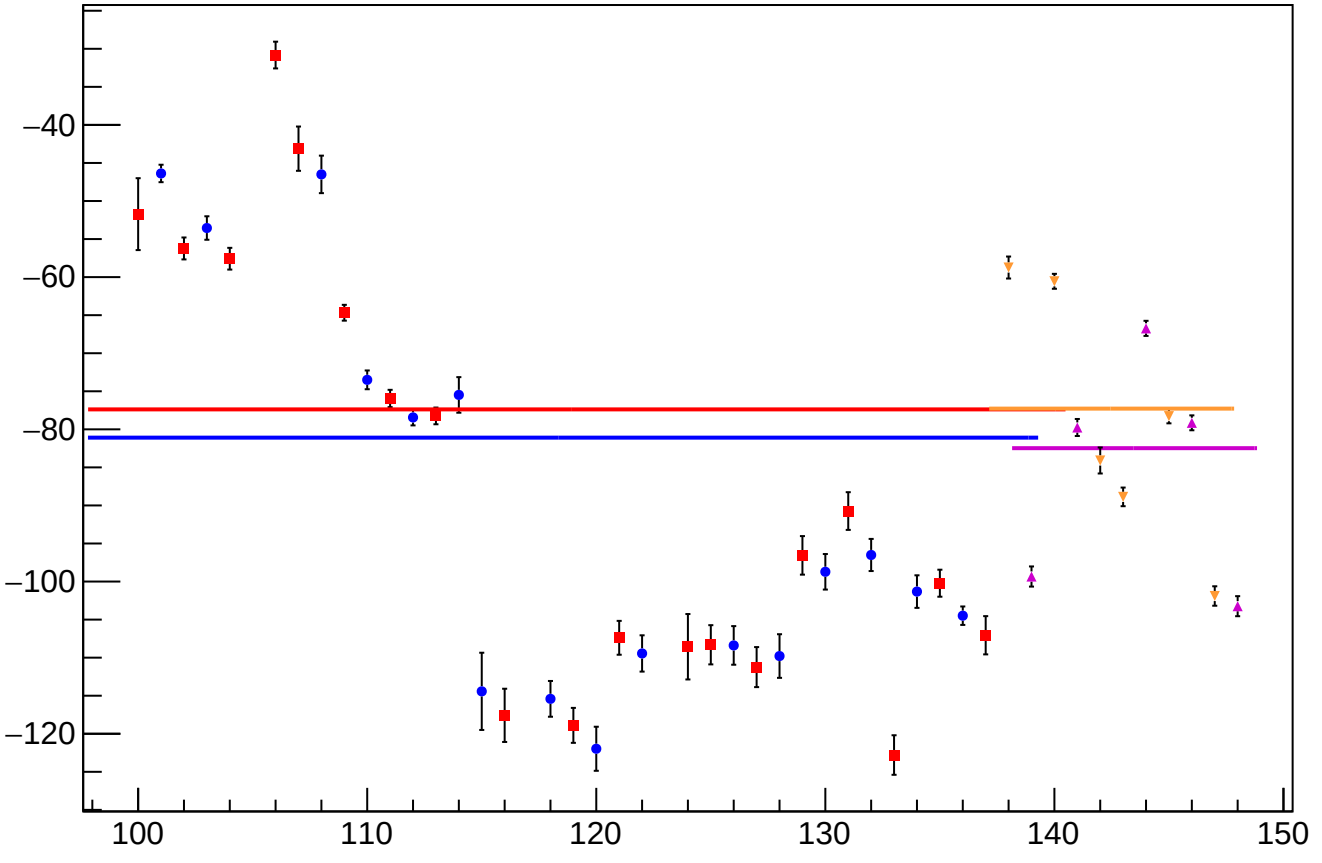
Left In: -8.574+/-0.340 χ^2/NDF:1111.5/4

+ sign -4.549+/-0.268 χ^2/NDF: 3729.0/21

All: -5.971+/-0.188 χ^2/NDF: 6437.1/45

- sign -7.360+/-0.265 χ^2/NDF: 2652.4/23

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

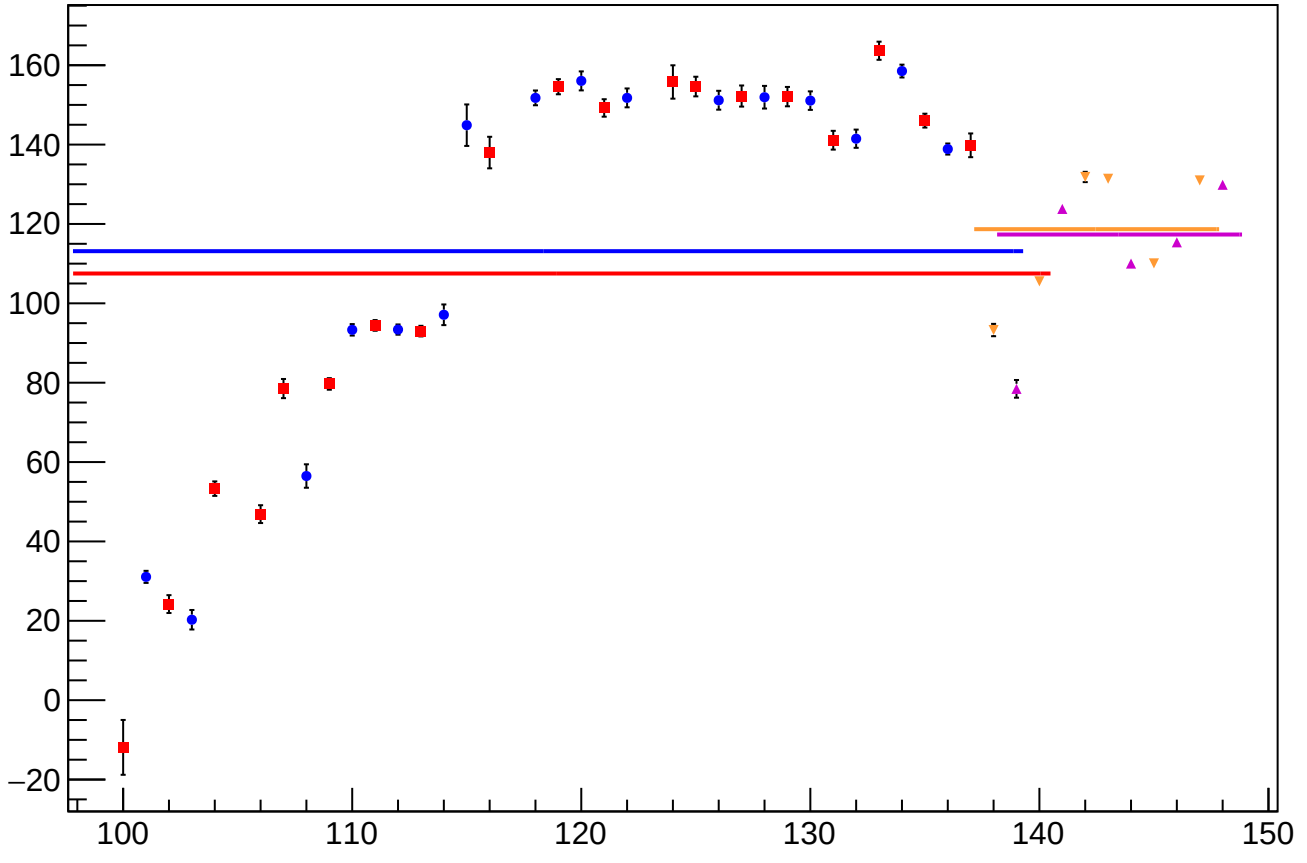
Left In: -82.475+/-0.500 χ^2/NDF:679.5/4

+ sign -79.374+/-0.325 χ^2/NDF: 3838.4/21

All: -79.422+/-0.228 χ^2/NDF: 7708.9/45

- sign -79.469+/-0.320 χ^2/NDF: 3870.5/23

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

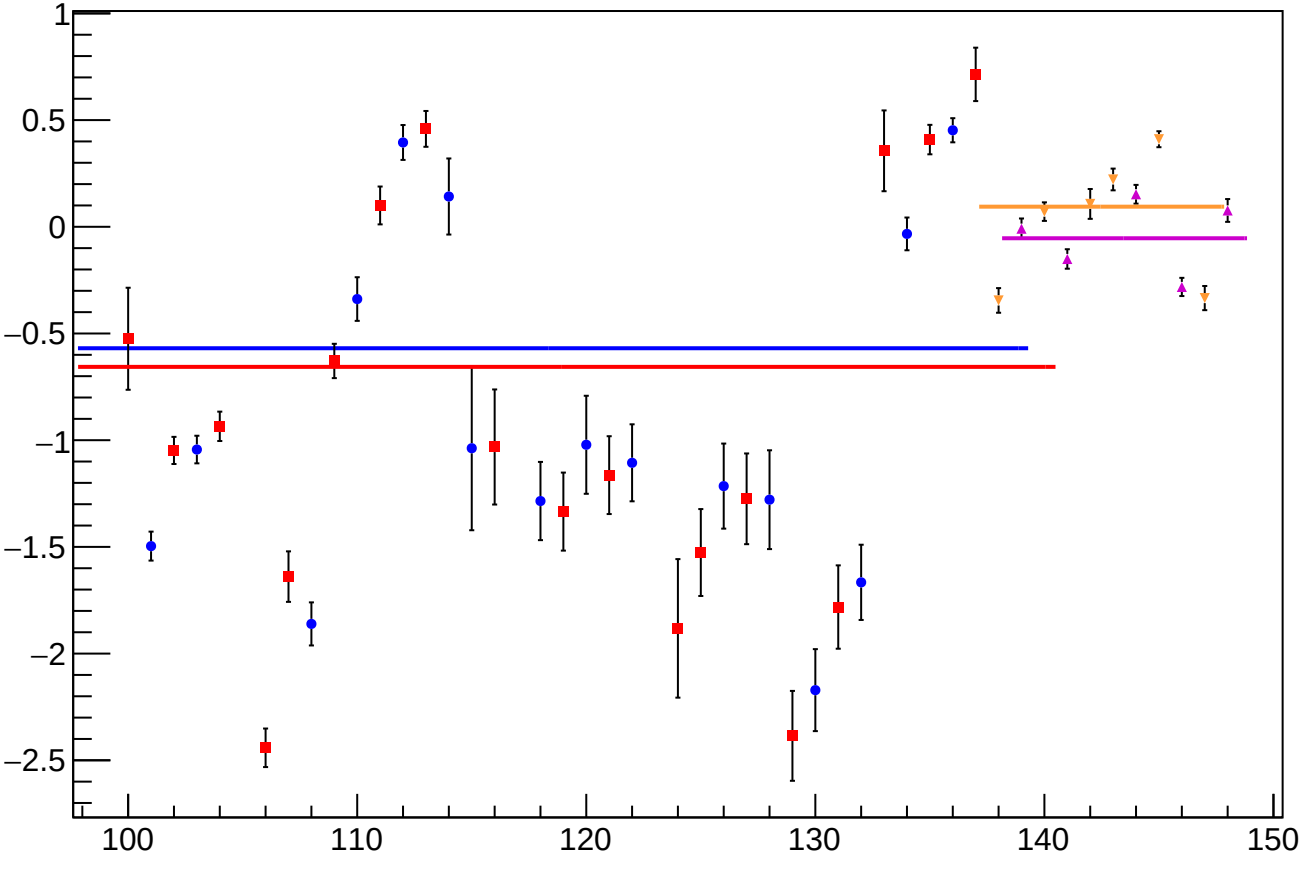
Left In: 117.339+/-0.421 χ^2/NDF:615.8/4

+ sign 116.346+/-0.318 χ^2/NDF: 9292.8/21

All: 114.696+/-0.224 χ^2/NDF: 17743.4/45

- sign 113.059+/-0.316 χ^2/NDF: 8396.9/23

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

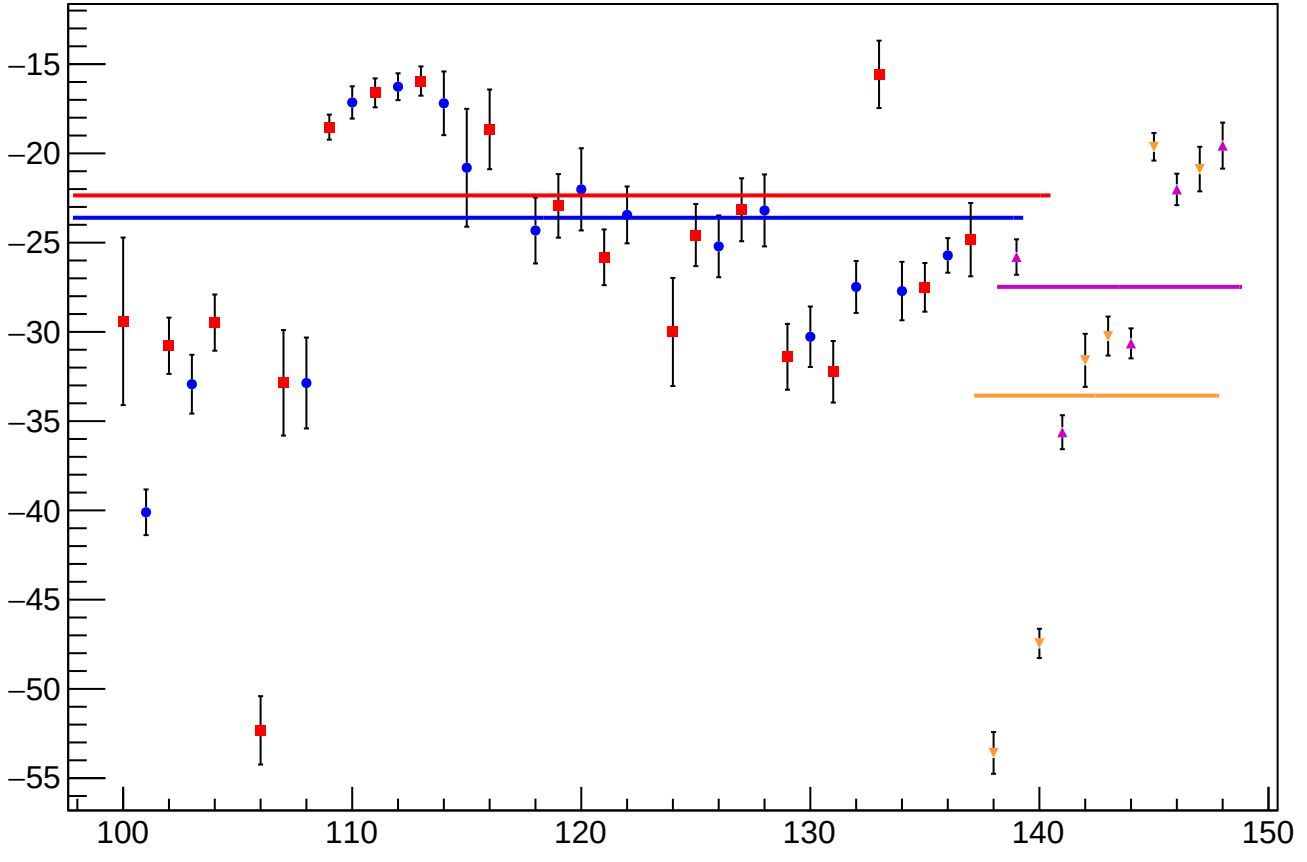
Left In: -0.054+/-0.021 χ^2/NDF:62.0/4

+ sign -0.158+/-0.016 χ^2/NDF: 1700.4/21

All: -0.227+/-0.011 χ^2/NDF: 3456.6/45

- sign -0.296+/-0.016 χ^2/NDF: 1718.7/23

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

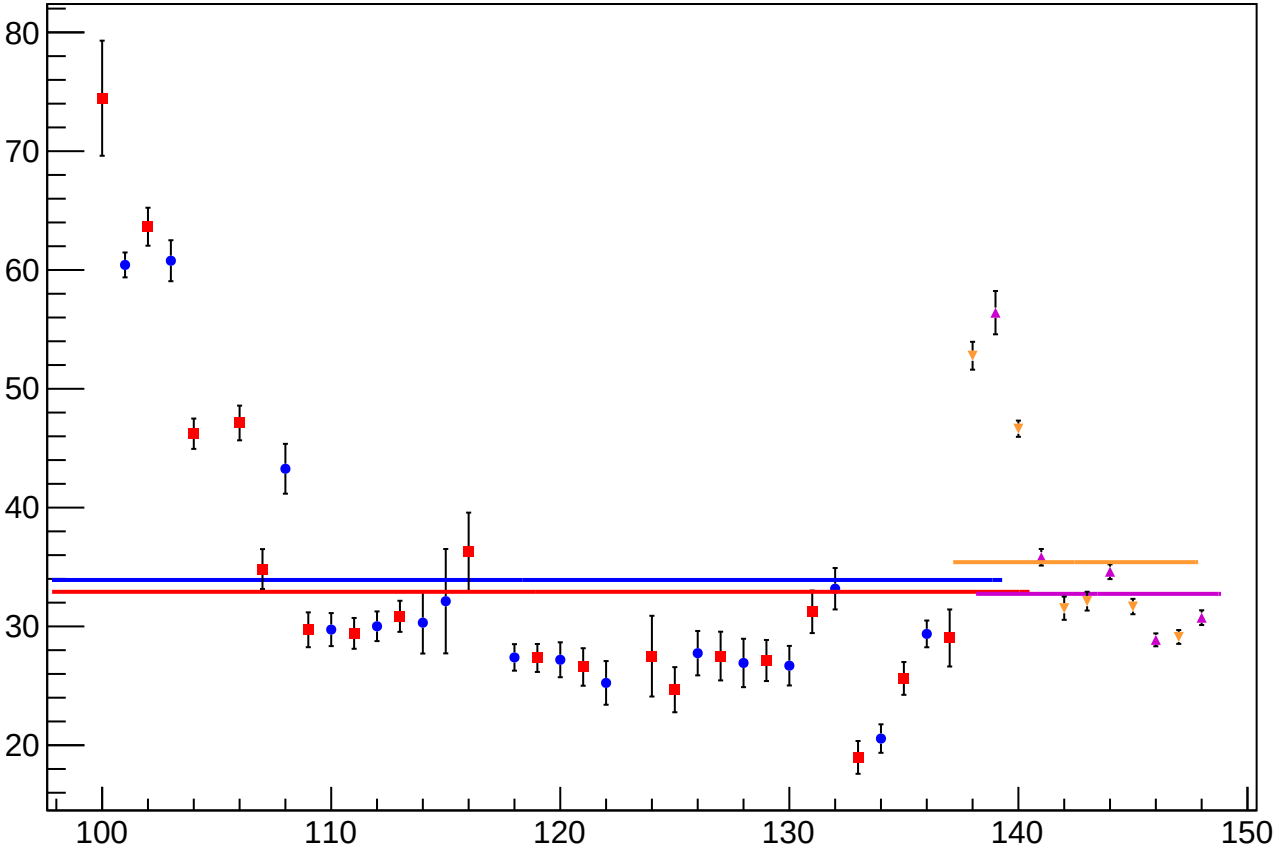
Left In: -27.478+/-0.429 χ^2/NDF:166.4/4

+ sign -27.737+/-0.266 χ^2/NDF: 1767.5/21

All: -25.906+/-0.185 χ^2/NDF: 2668.1/45

- sign -24.197+/-0.257 χ^2/NDF: 809.4/23

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

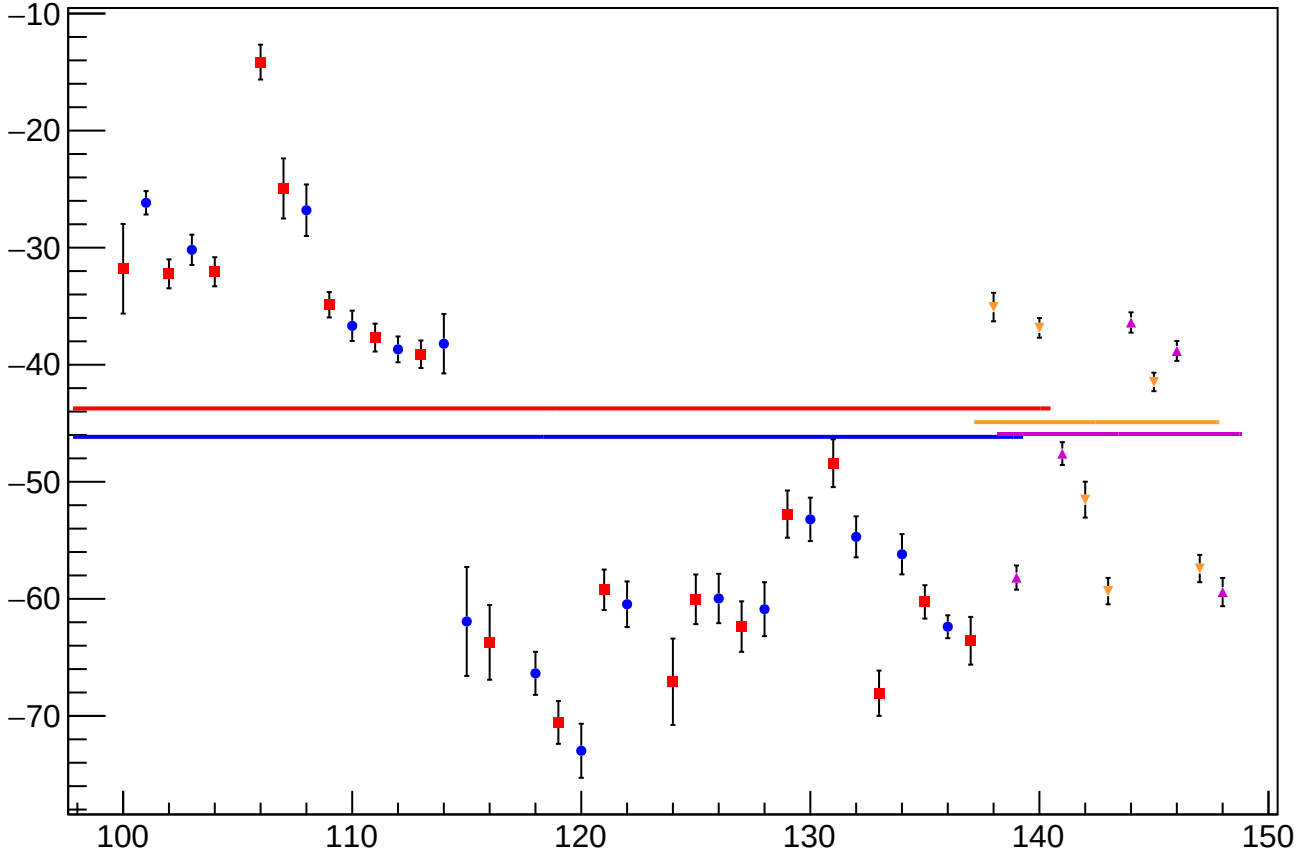
Left In: 32.741+/-0.303 χ^2/NDF:258.3/4

+ sign 34.815+/-0.236 χ^2/NDF: 1867.5/21

All: 33.807+/-0.166 χ^2/NDF: 3037.3/45

- sign 32.809+/-0.235 χ^2/NDF: 1133.4/23

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

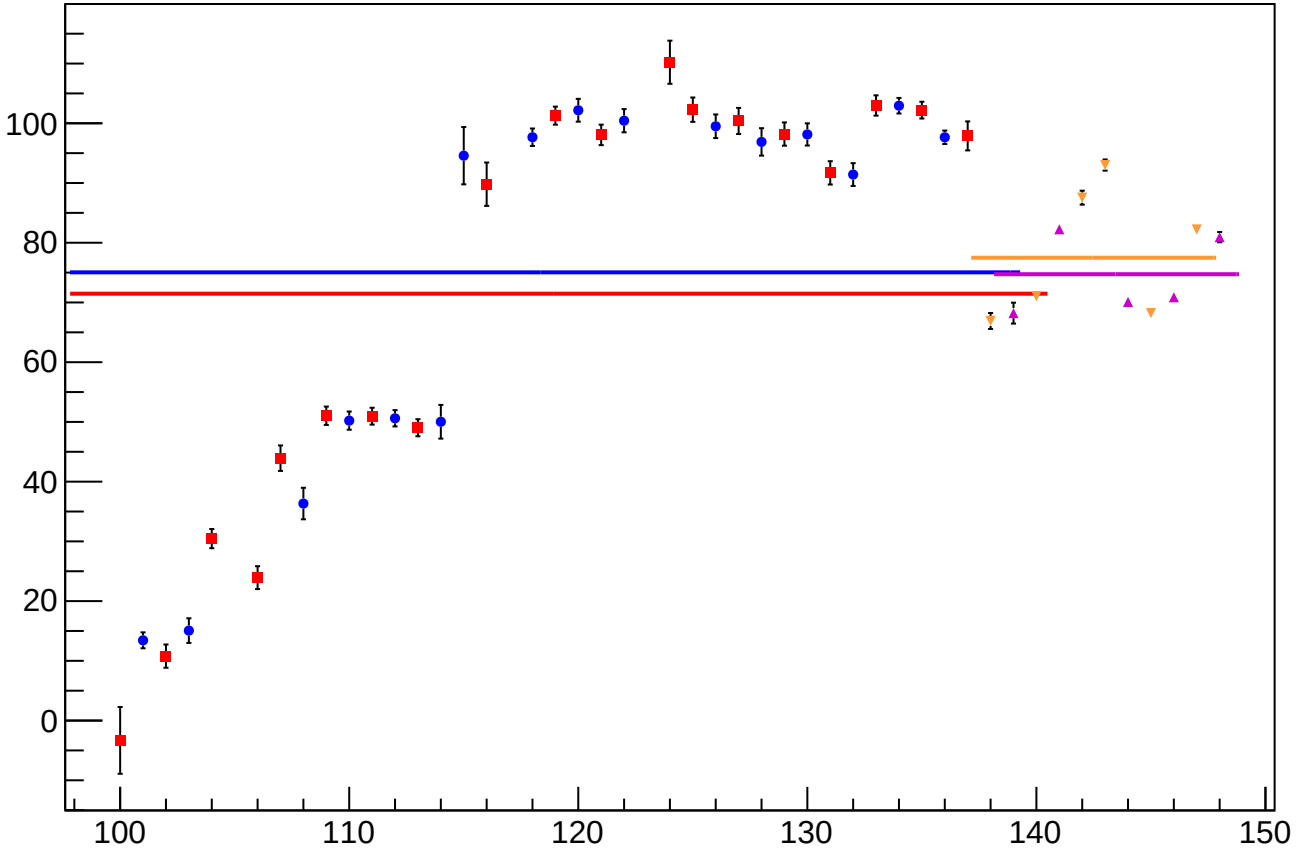
Left In: -45.916+/-0.430 χ^2/NDF:460.2/4

+ sign -45.581+/-0.286 χ^2/NDF: 1968.3/21

All: -45.129+/-0.202 χ^2/NDF: 4111.4/45

- sign -44.683+/-0.284 χ^2/NDF: 2138.1/23

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

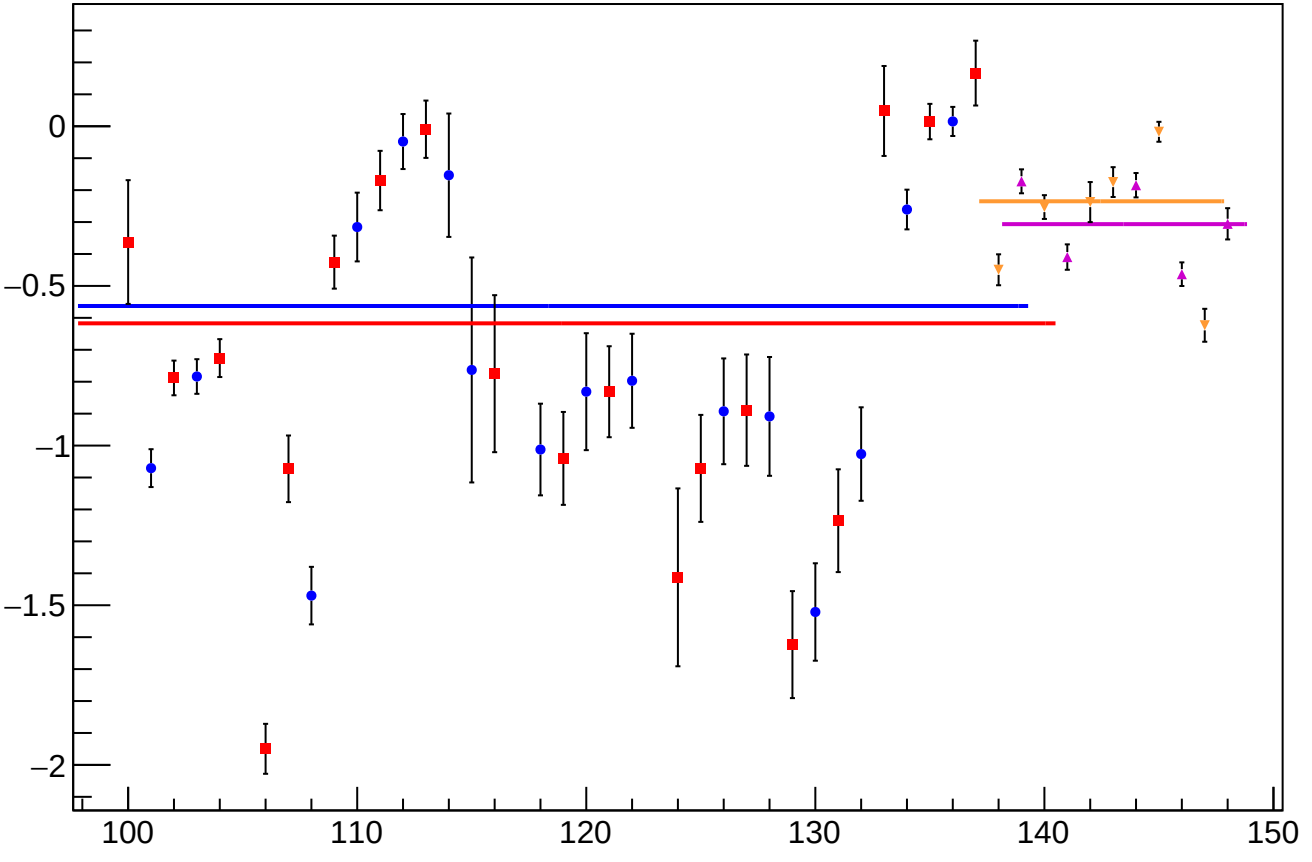
Left In: 74.733+/-0.371 χ^2/NDF:223.0/4

+ sign 76.445+/-0.279 χ^2/NDF: 6514.5/21

All: 74.887+/-0.198 χ^2/NDF: 12461.4/45

- sign 73.324+/-0.280 χ^2/NDF: 5884.6/23

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

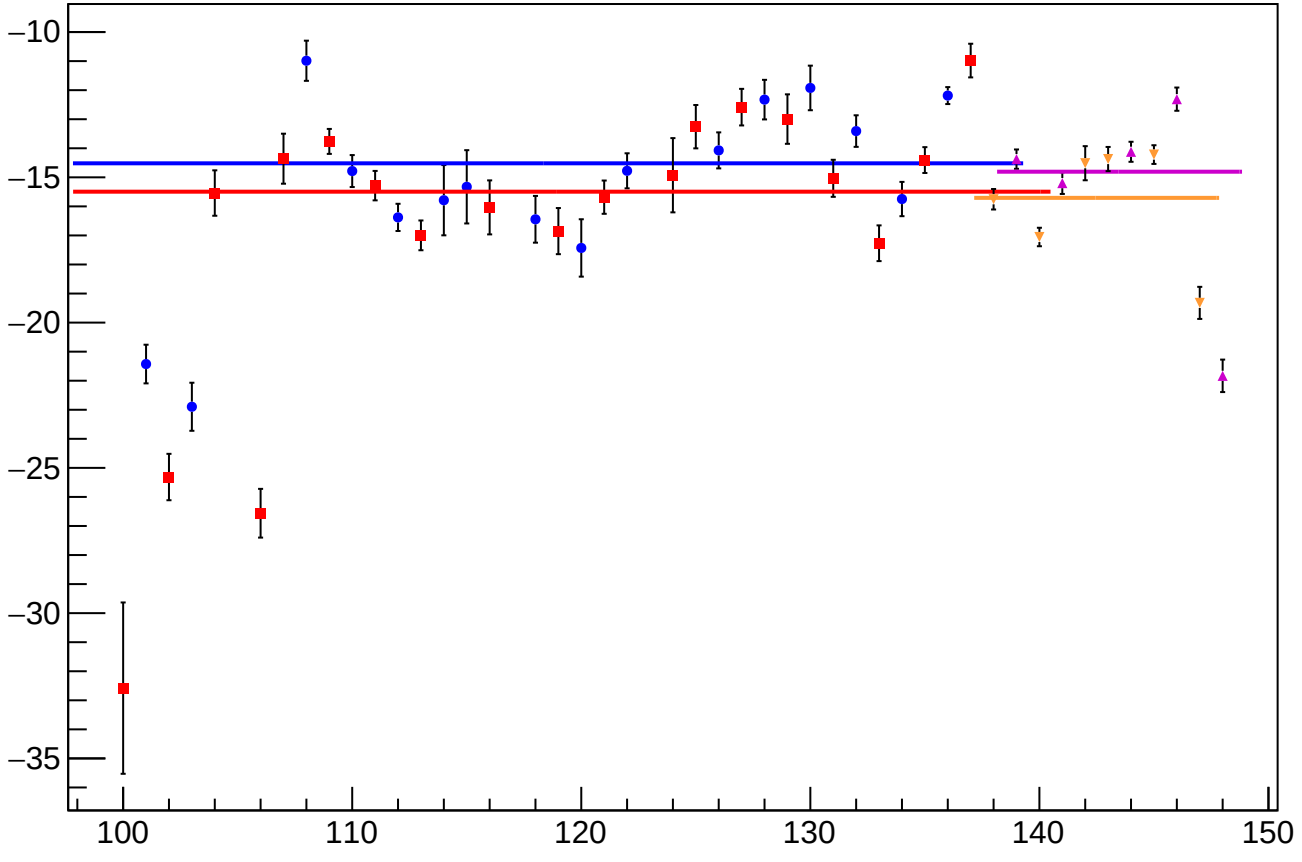
Left In: -0.307+/-0.018 χ^2/NDF:47.7/4

+ sign -0.360+/-0.014 χ^2/NDF: 754.2/21

All: -0.394+/-0.010 χ^2/NDF: 1623.3/45

- sign -0.428+/-0.014 χ^2/NDF: 857.3/23

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

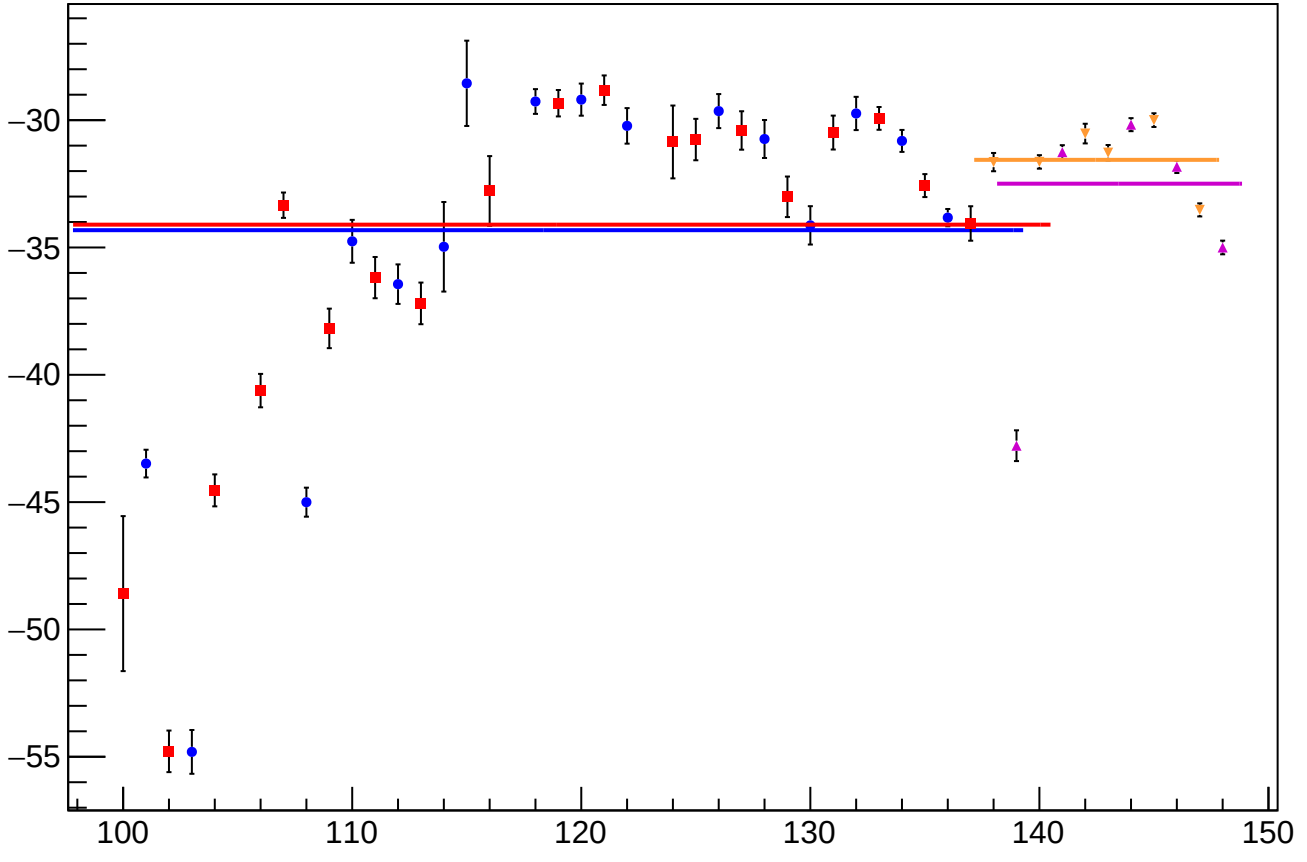
Left In: -14.806+/-0.171 χ^2/NDF:203.8/4

+ sign -15.075+/-0.109 χ^2/NDF: 489.7/21

All: -15.133+/-0.078 χ^2/NDF: 1207.1/45

- sign -15.196+/-0.113 χ^2/NDF: 716.8/23

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

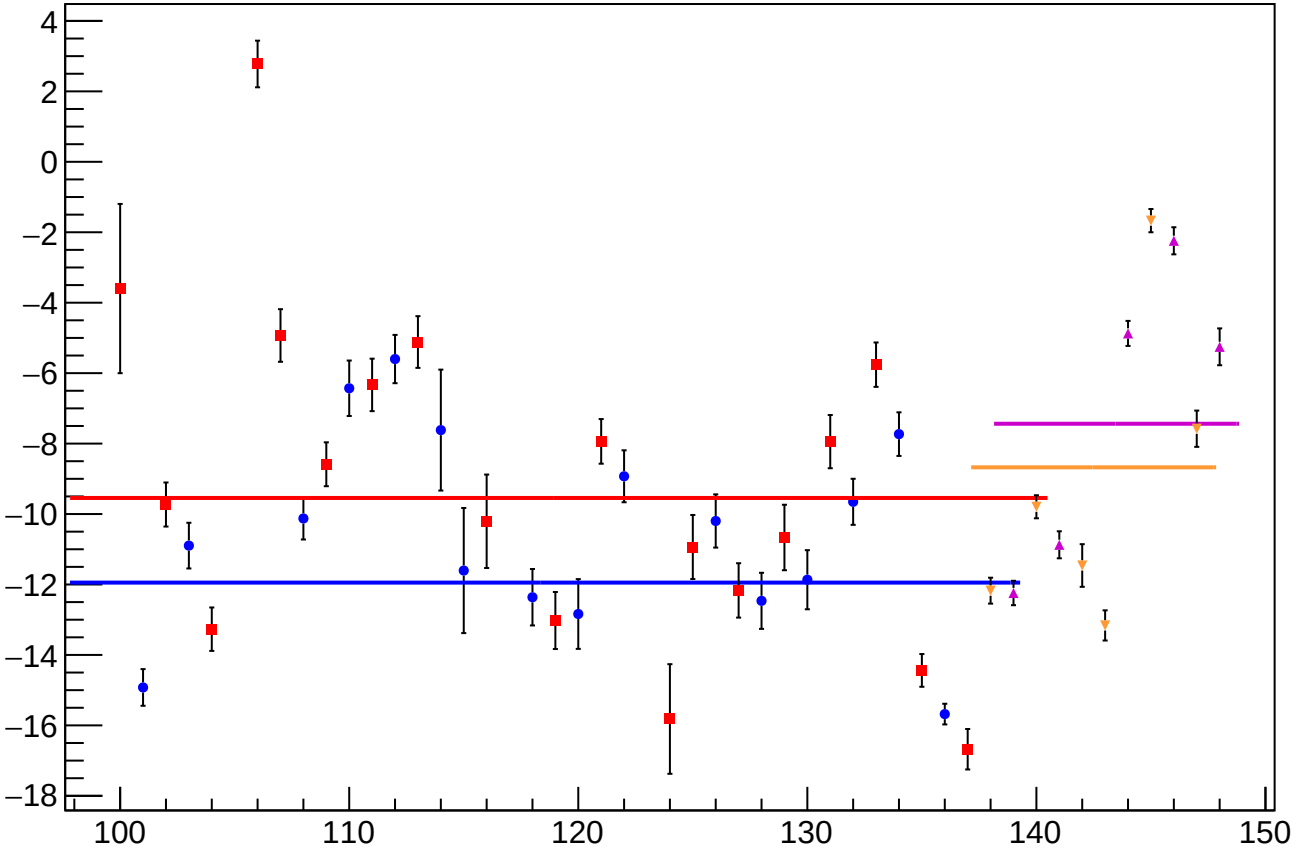
Left In: -32.495+/-0.127 χ^2/NDF:486.5/4

+ sign -32.617+/-0.095 χ^2/NDF: 1920.9/21

All: -32.873+/-0.068 χ^2/NDF: 3922.1/45

- sign -33.148+/-0.098 χ^2/NDF: 1986.1/23

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

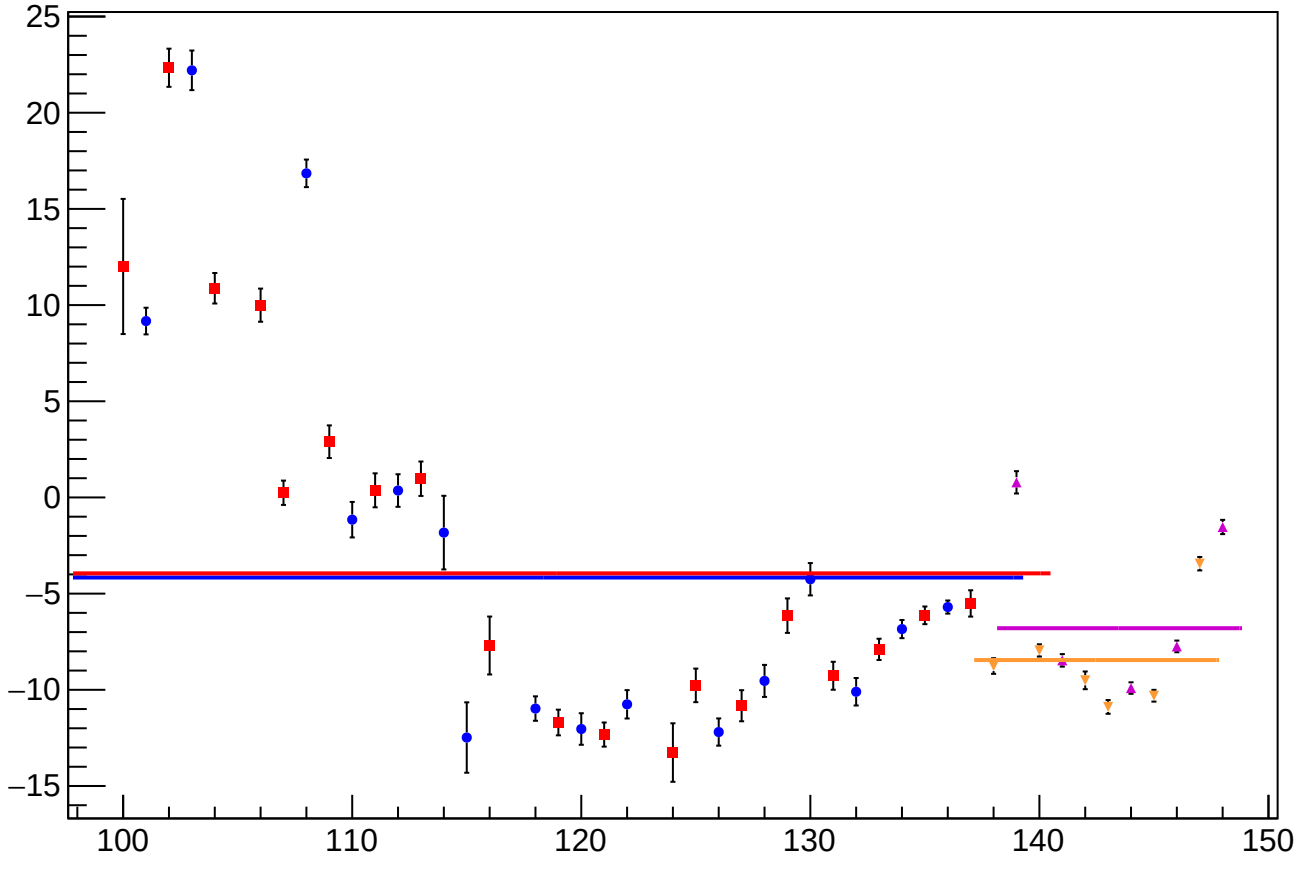
Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.437+/-0.173 χ^2/NDF:524.6/4

+ sign -10.334+/-0.114 χ^2/NDF: 1324.0/21

All: -9.477+/-0.082 χ^2/NDF: 2891.7/45

- sign -8.538+/-0.119 χ^2/NDF: 1449.4/23



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.453+/-0.145 χ^2/NDF:295.7/5

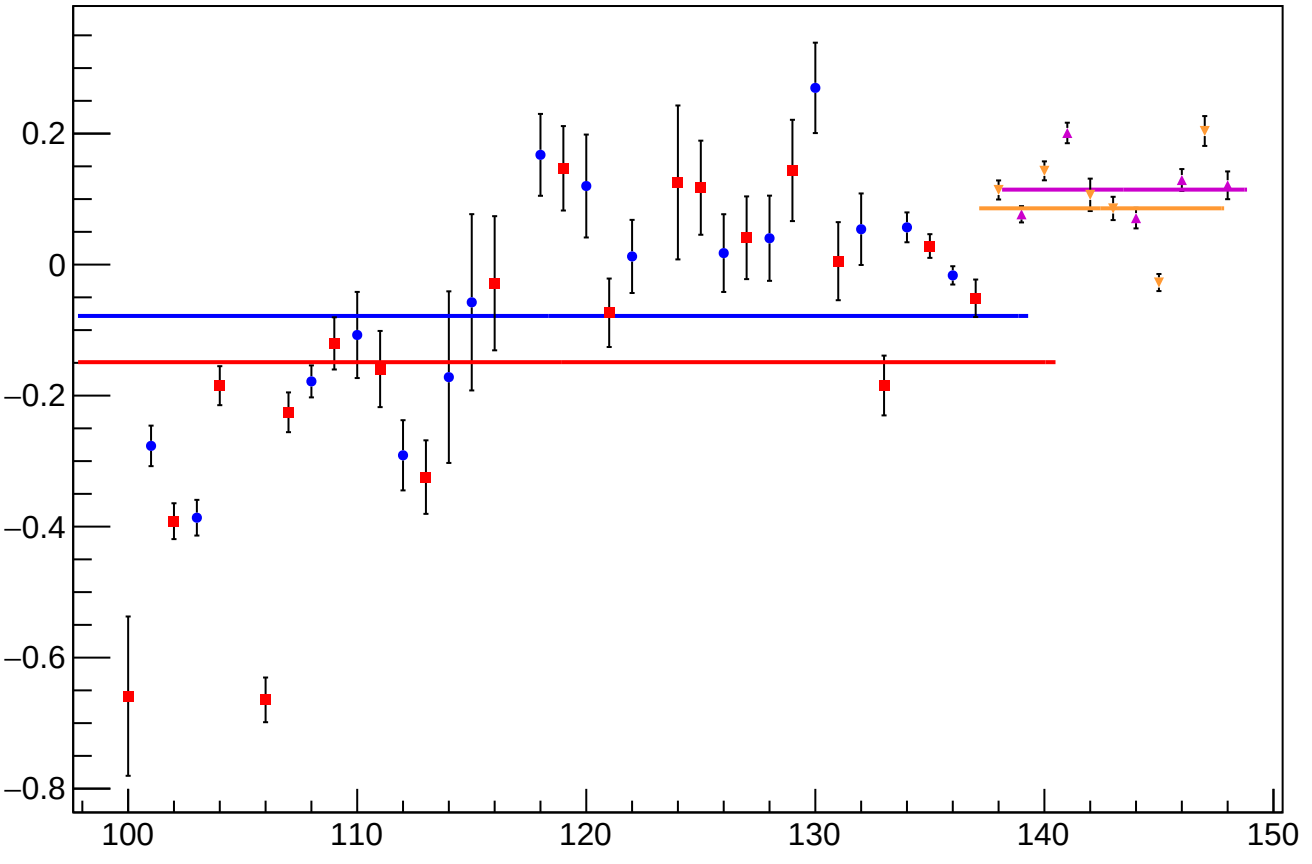
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.798+/-0.155 χ^2/NDF:517.1/4

+ sign -6.663+/-0.111 χ^2/NDF: 3183.6/21

All: -6.134+/-0.080 χ^2/NDF: 6006.4/45

- sign -5.555+/-0.116 χ^2/NDF: 2775.2/23



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

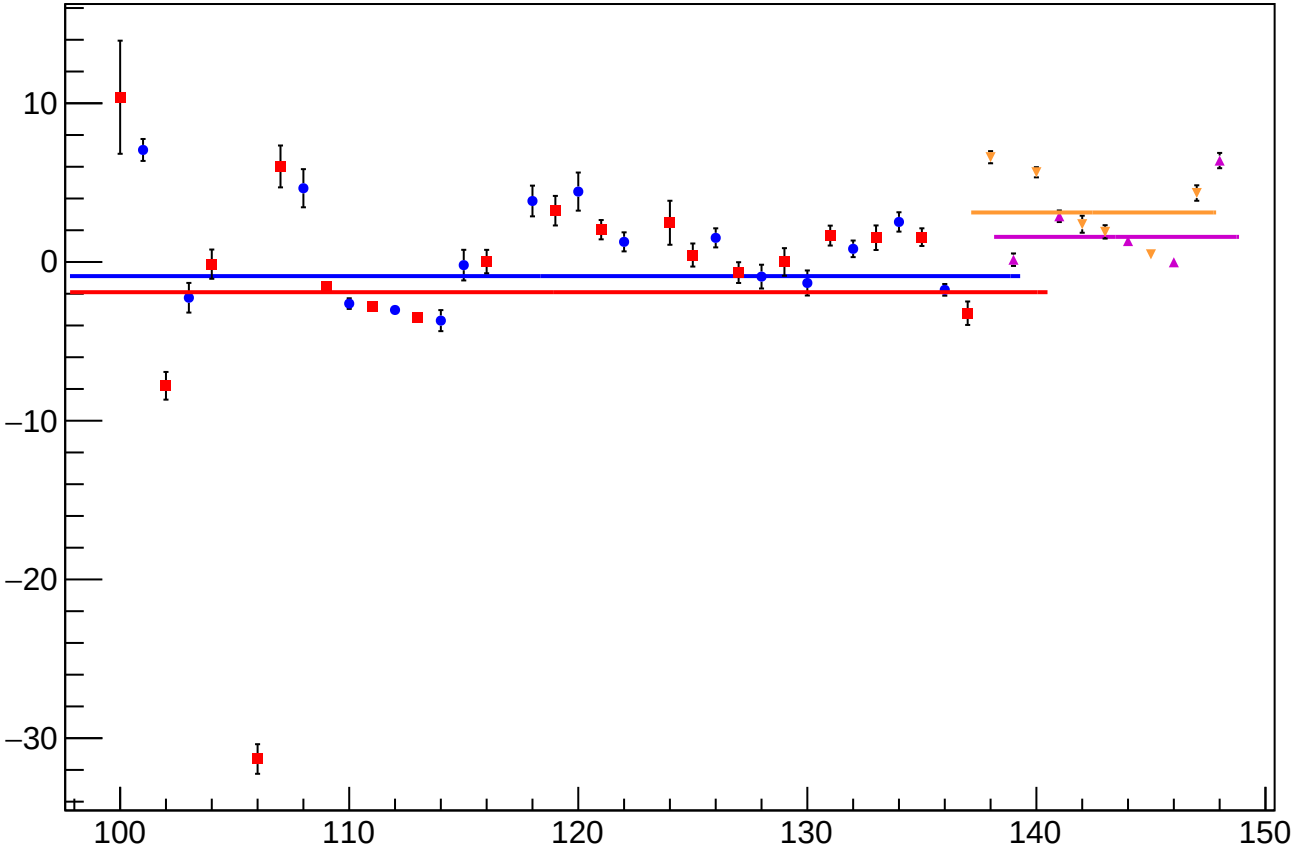
Left In: 0.114+/-0.007 χ^2/NDF:48.3/4

+ sign 0.023+/-0.005 χ^2/NDF: 668.5/21

All: 0.020+/-0.004 χ^2/NDF: 1771.0/45

- sign 0.016+/-0.006 χ^2/NDF: 1101.6/23

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.120+/-0.147 χ^2/NDF:277.8/5

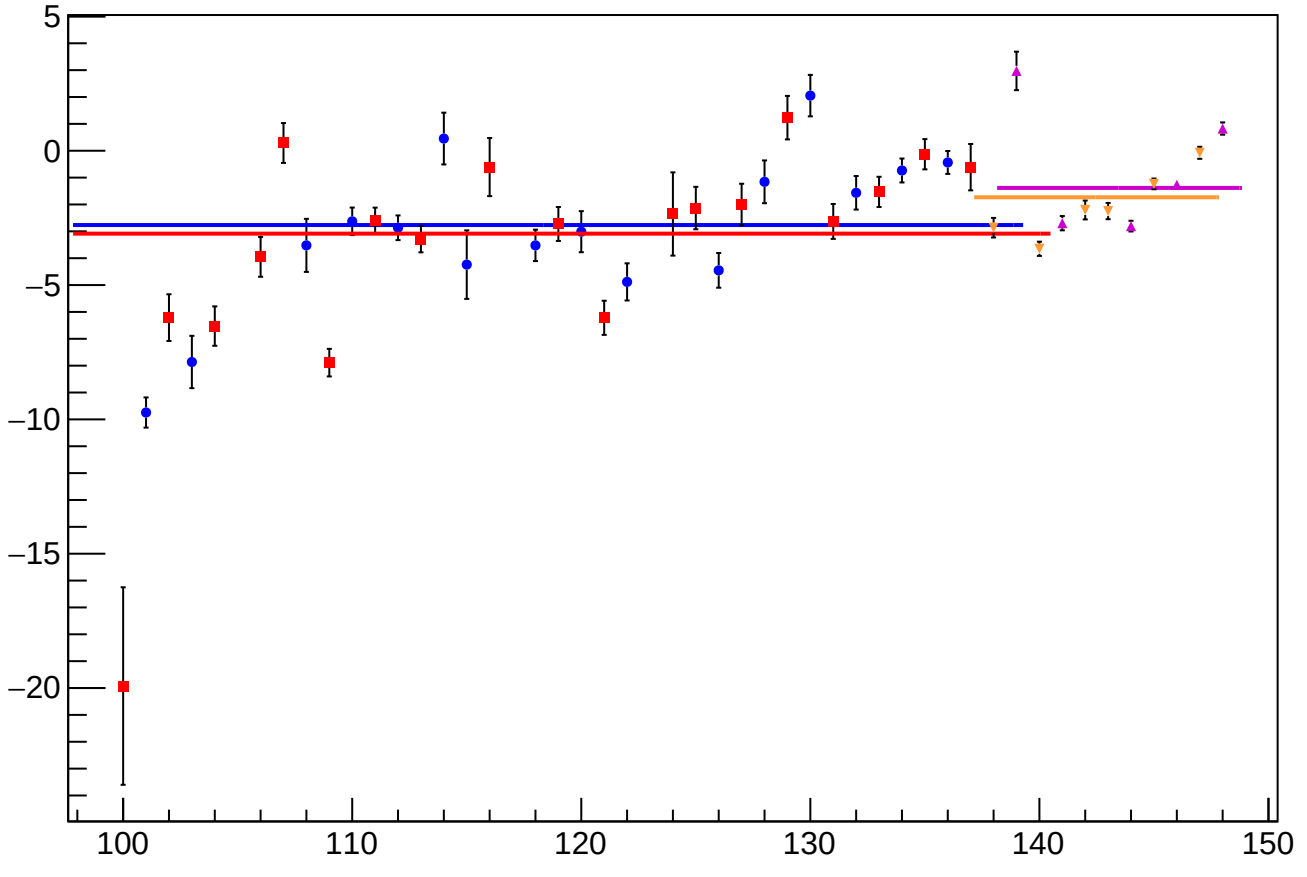
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.583+/-0.152 χ^2/NDF:154.7/4

+ sign 0.974+/-0.100 χ^2/NDF: 1058.4/21

All: 0.246+/-0.070 χ^2/NDF: 2955.1/45

- sign -0.457+/-0.098 χ^2/NDF: 1792.4/23



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

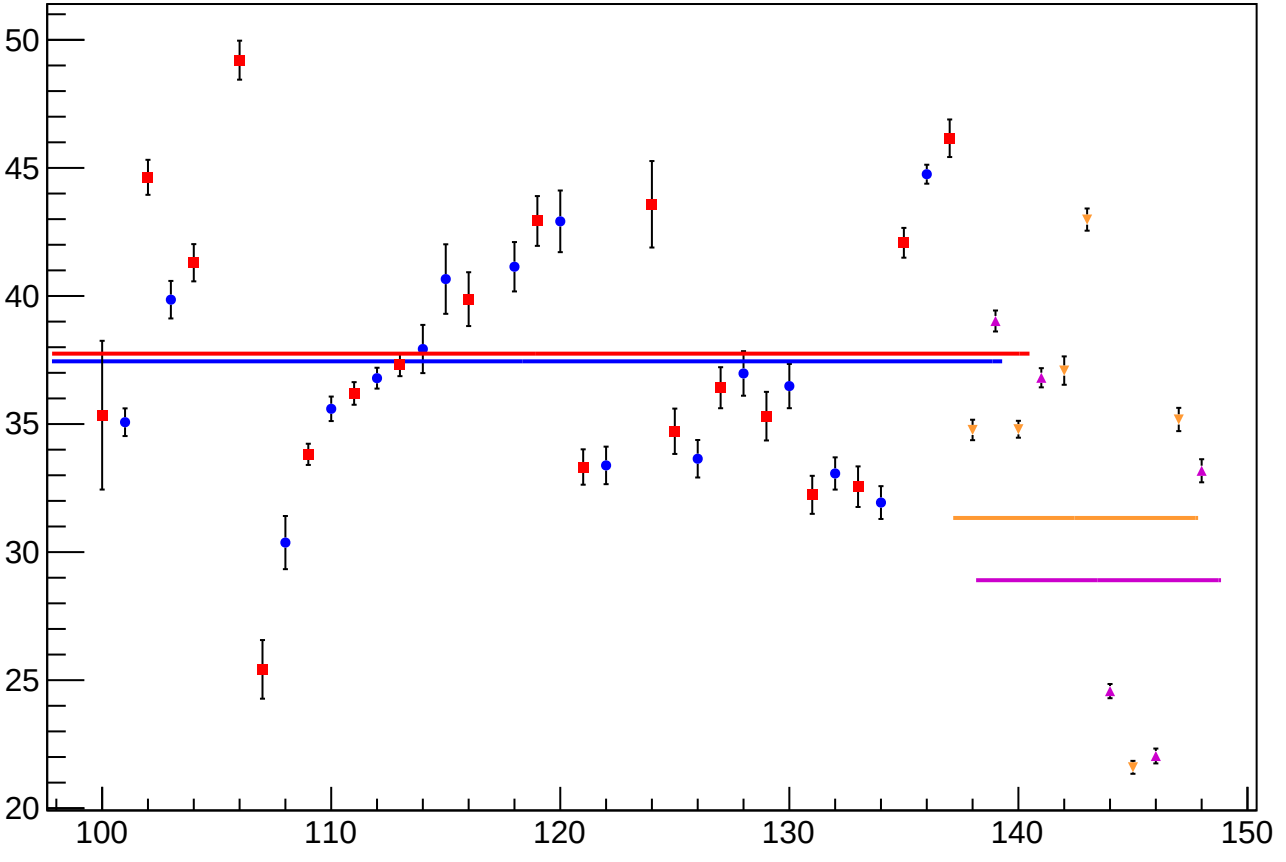
Left In: -1.384+/-0.104 χ^2/NDF:206.6/4

\+ sign -2.066+/-0.089 χ^2/NDF: 467.3/21

All: -1.981+/-0.062 χ^2/NDF: 1029.5/45

\- sign -1.901+/-0.087 χ^2/NDF: 560.4/23

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

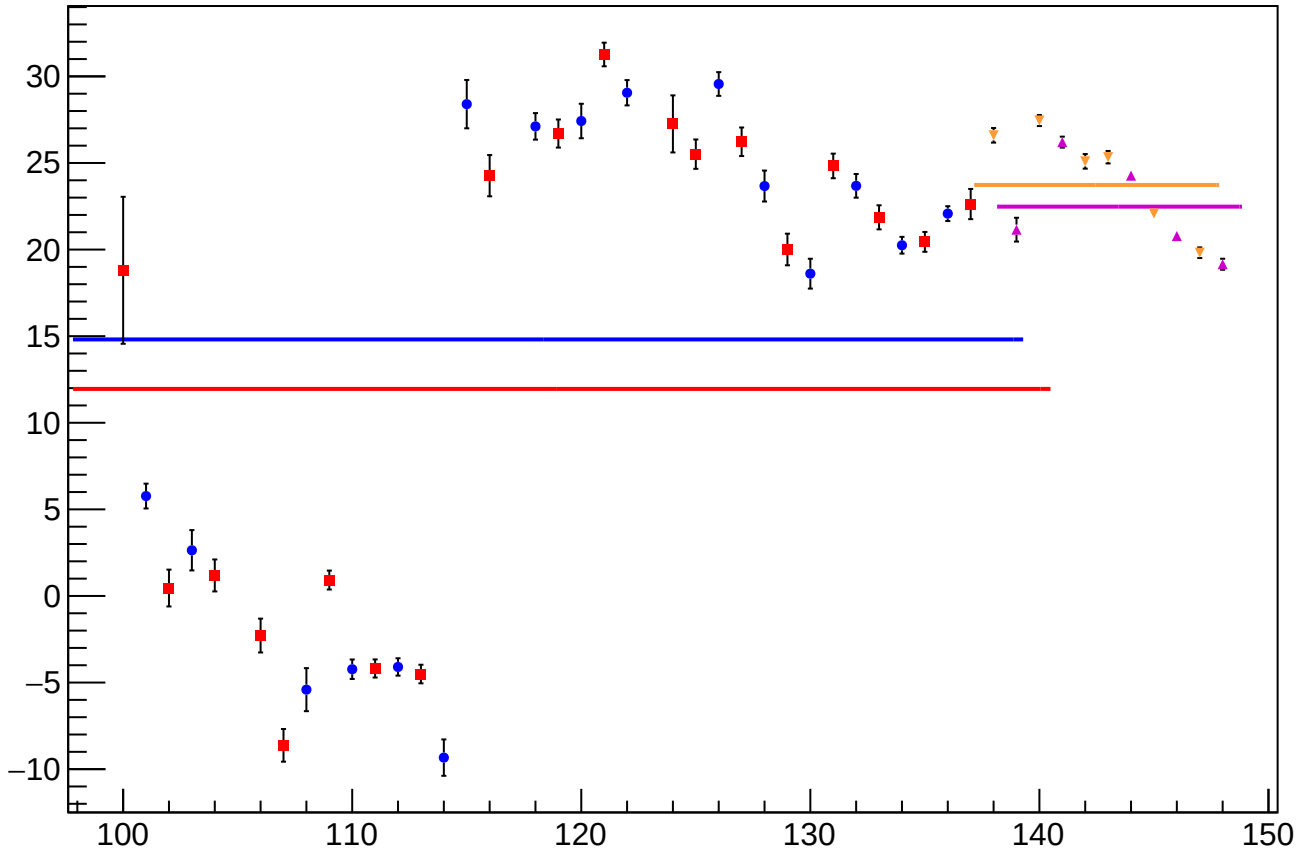
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.903+/-0.153 χ^2/NDF:1948.1/4

+ sign 34.176+/-0.110 χ^2/NDF: 4056.4/21

All: 33.660+/-0.078 χ^2/NDF: 8617.7/45

- sign 33.138+/-0.110 χ^2/NDF: 4516.7/23



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.731+/-0.131 χ^2/NDF:426.7/5

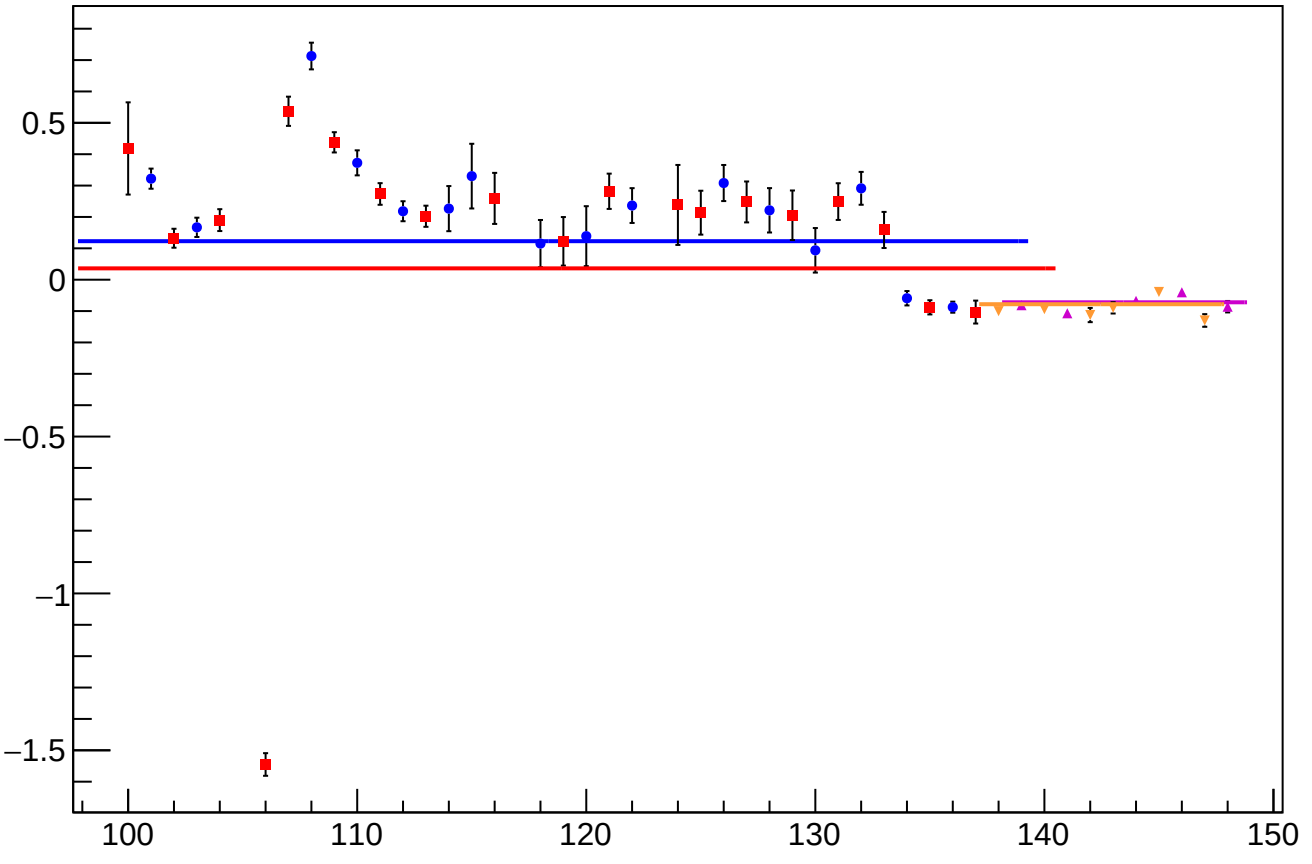
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.128 χ^2/NDF:369.1/4

+ sign 20.511+/-0.104 χ^2/NDF: 7794.3/21

All: 19.673+/-0.074 χ^2/NDF: 16715.4/45

- sign 18.844+/-0.104 χ^2/NDF: 8793.2/23



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.078+/-0.006 χ^2/NDF:27.6/5

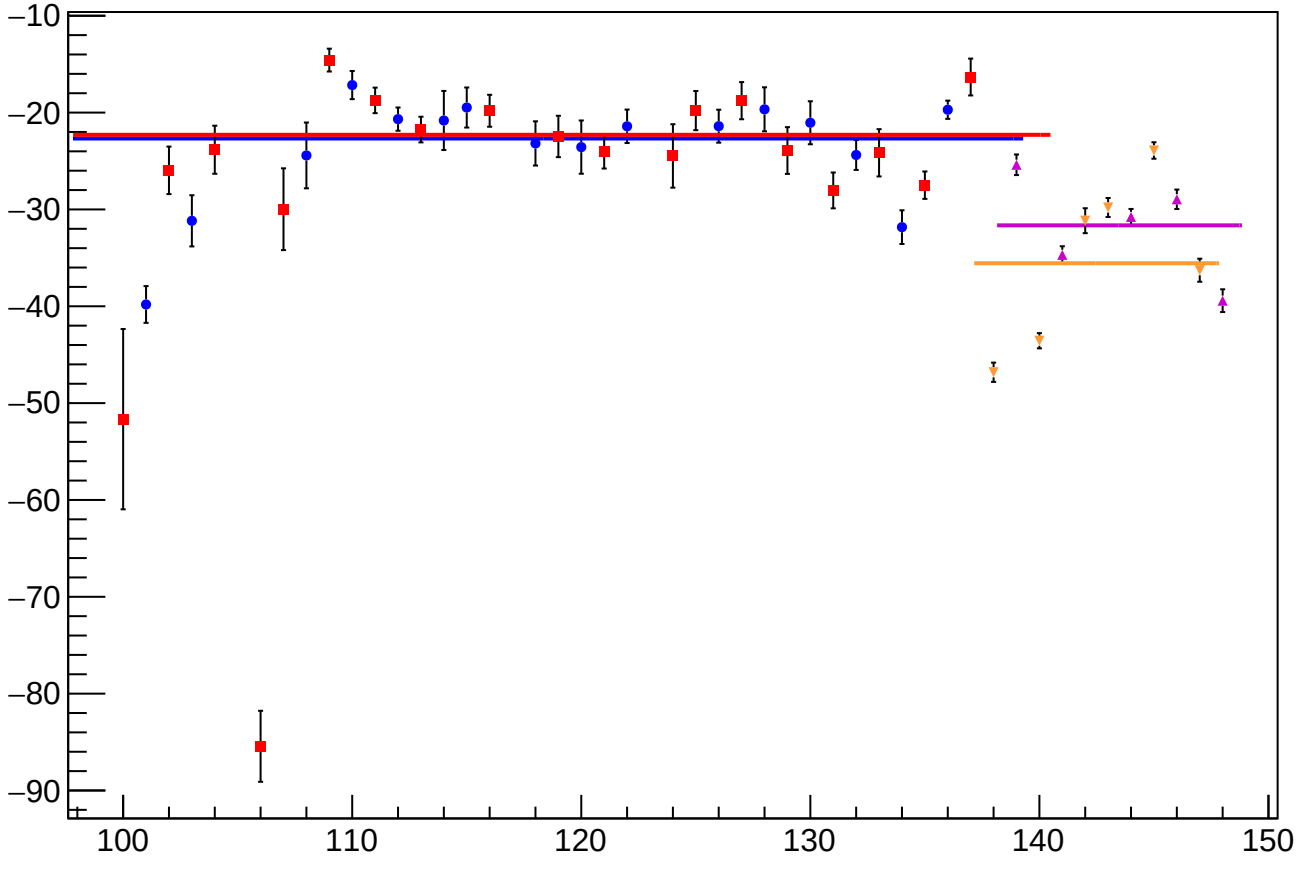
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.072+/-0.006 χ^2/NDF:12.8/4

+ sign -0.017+/-0.005 χ^2/NDF: 865.1/21

All: -0.028+/-0.004 χ^2/NDF: 3388.3/45

- sign -0.040+/-0.005 χ^2/NDF: 2513.7/23



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

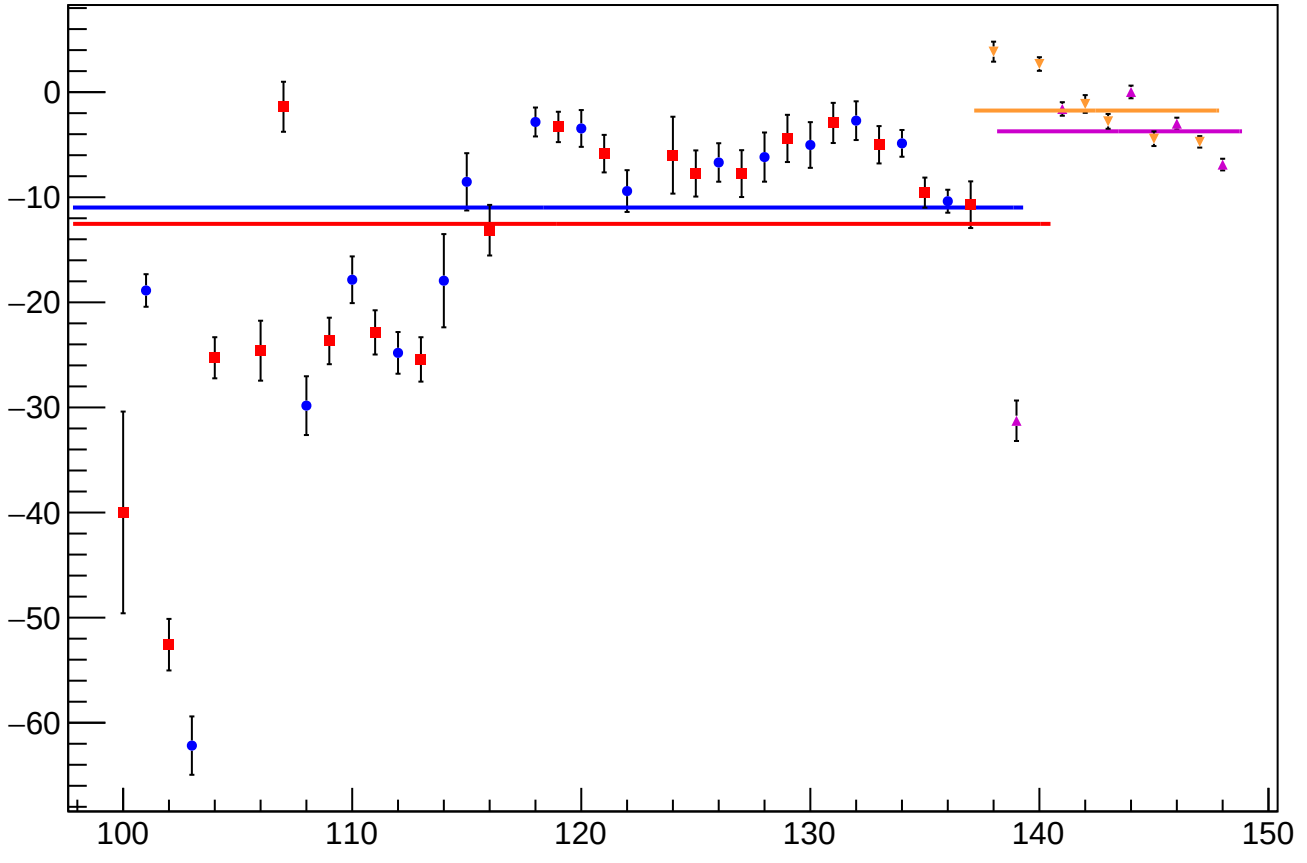
Left In: -31.643+/-0.432 χ^2/NDF:98.5/4

+ sign -29.703+/-0.293 χ^2/NDF: 1099.5/21

All: -28.415+/-0.212 χ^2/NDF: 1876.5/45

- sign -27.004+/-0.307 χ^2/NDF: 736.5/23

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

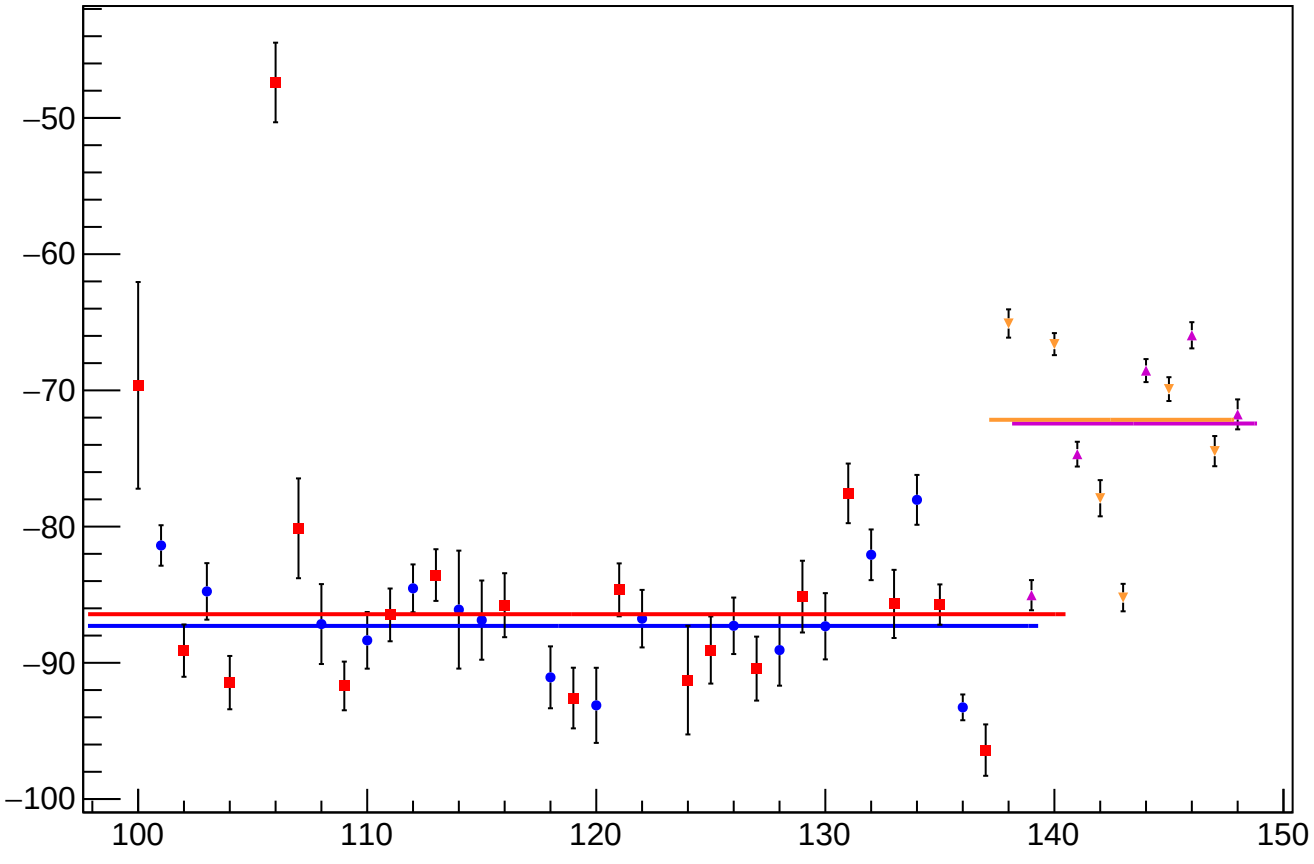
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -3.728+/-0.291 χ^2/NDF:288.0/4

+ sign -4.365+/-0.241 χ^2/NDF: 1012.7/21

All: -5.199+/-0.173 χ^2/NDF: 2142.9/45

- sign -6.089+/-0.249 χ^2/NDF: 1105.5/23



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

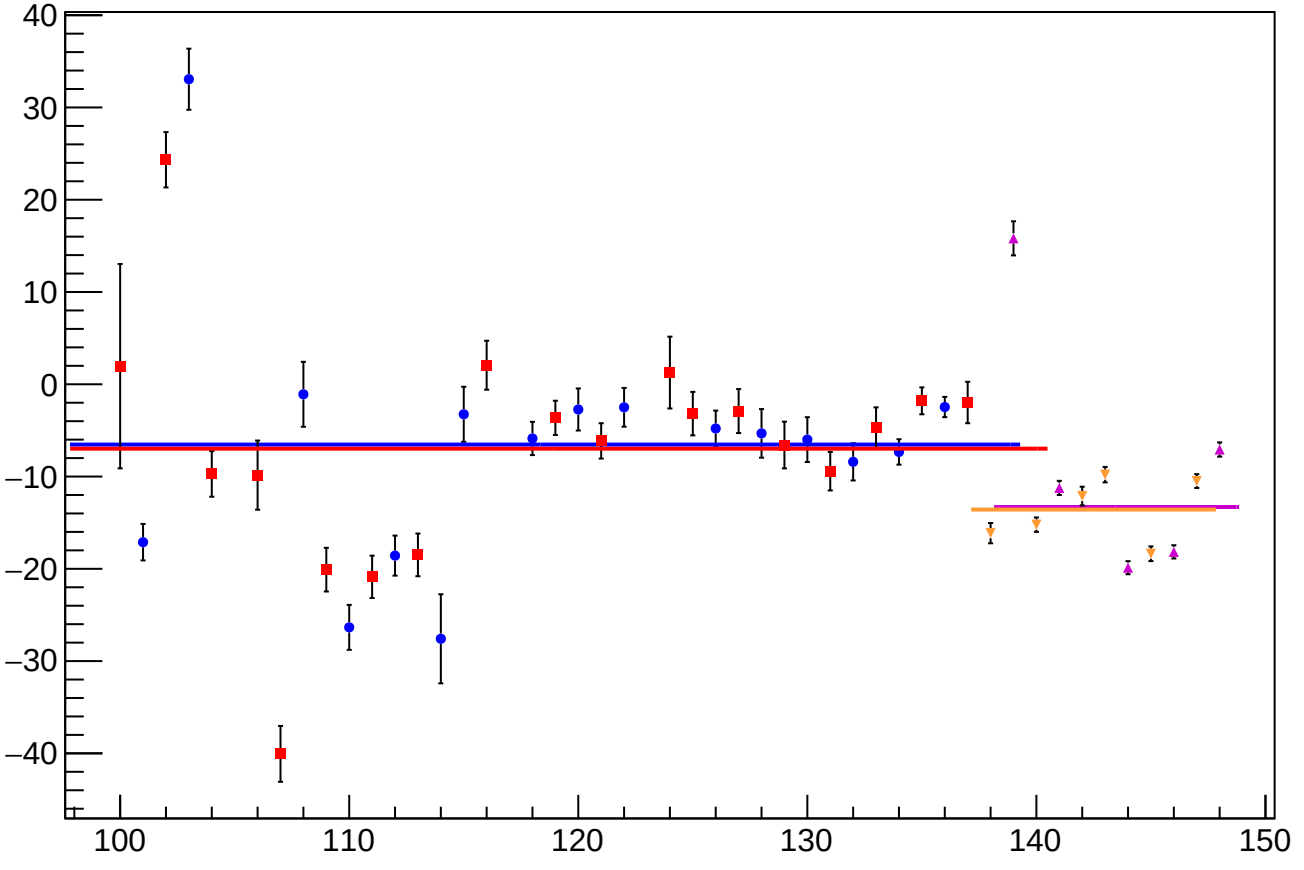
Left In: -72.432+/-0.433 χ^2/NDF:202.5/4

+ sign -78.424+/-0.309 χ^2/NDF: 972.9/21

All: -78.390+/-0.225 χ^2/NDF: 1882.1/45

- sign -78.352+/-0.329 χ^2/NDF: 909.2/23

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

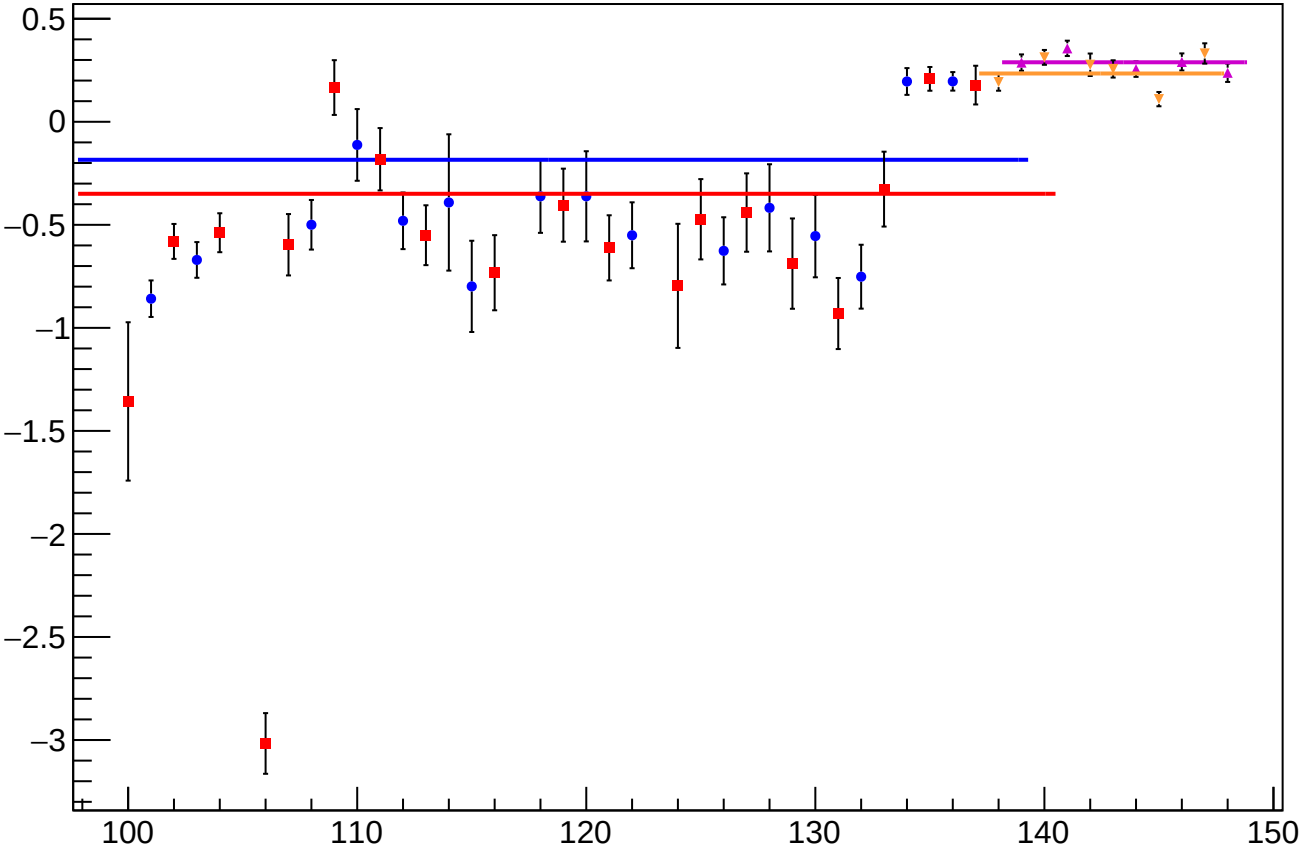
Left In: -13.301+/-0.363 χ^2/NDF:452.1/4

+ sign -11.323+/-0.287 χ^2/NDF: 530.0/21

All: -11.330+/-0.208 χ^2/NDF: 1444.4/45

- sign -11.339+/-0.302 χ^2/NDF: 914.4/23

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

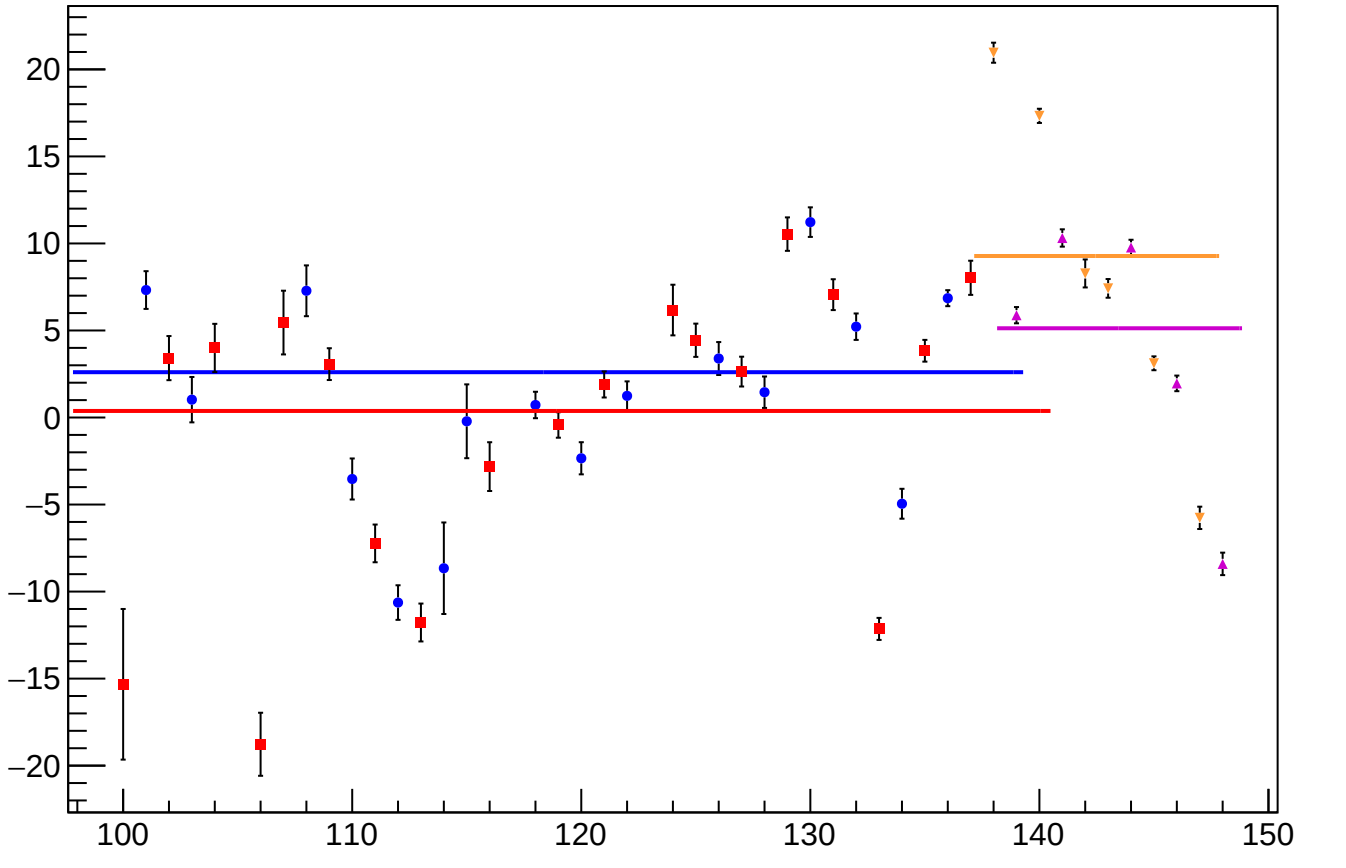
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.289+/-0.018 χ^2/NDF:5.4/4

+ sign 0.115+/-0.014 χ^2/NDF: 445.4/21

All: 0.116+/-0.010 χ^2/NDF: 1313.1/45

- sign 0.116+/-0.015 χ^2/NDF: 867.7/23



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

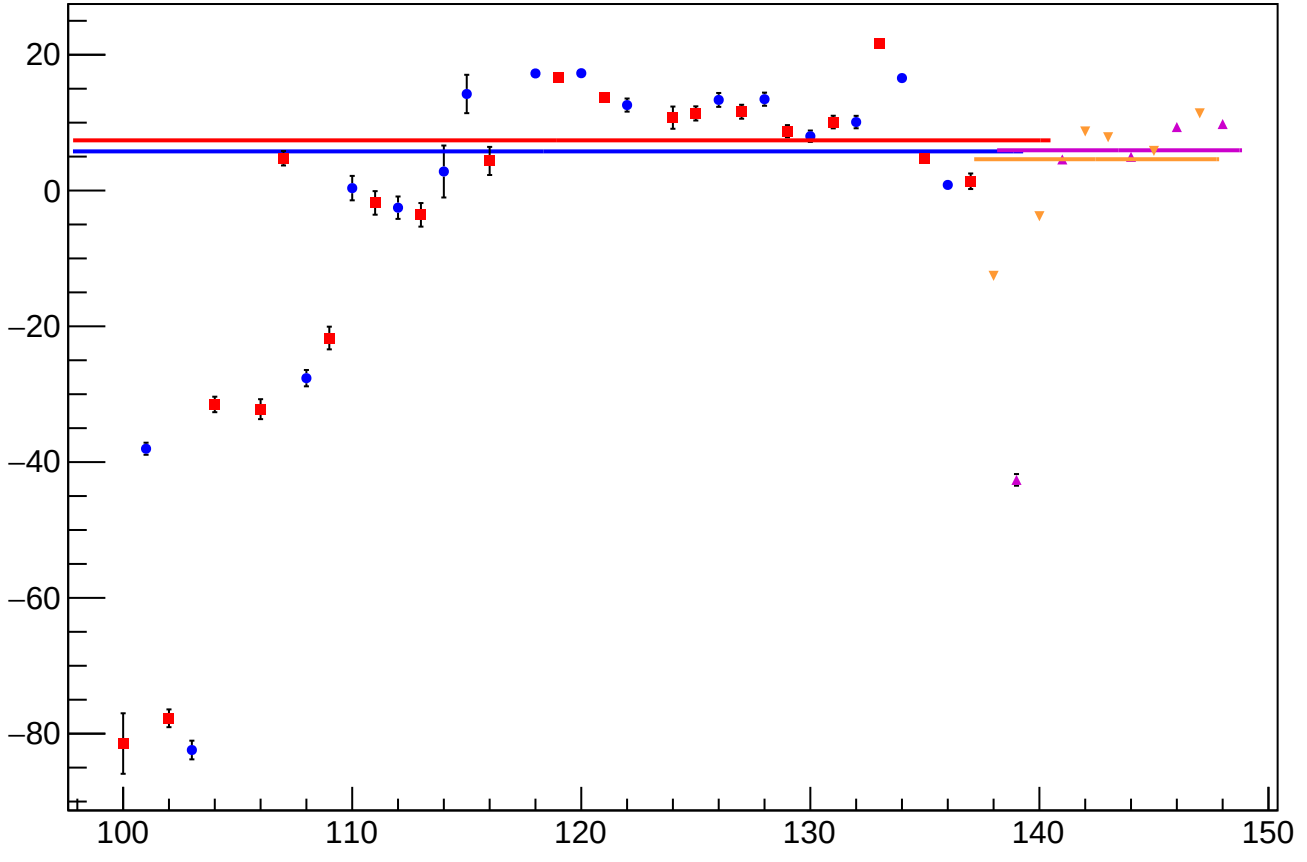
Left In: 5.127+/-0.218 χ^2/NDF:711.5/4

+ sign 6.164+/-0.153 χ^2/NDF: 2648.3/21

All: 4.509+/-0.109 χ^2/NDF: 4861.3/45

- sign 2.803+/-0.155 χ^2/NDF: 1975.7/23

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

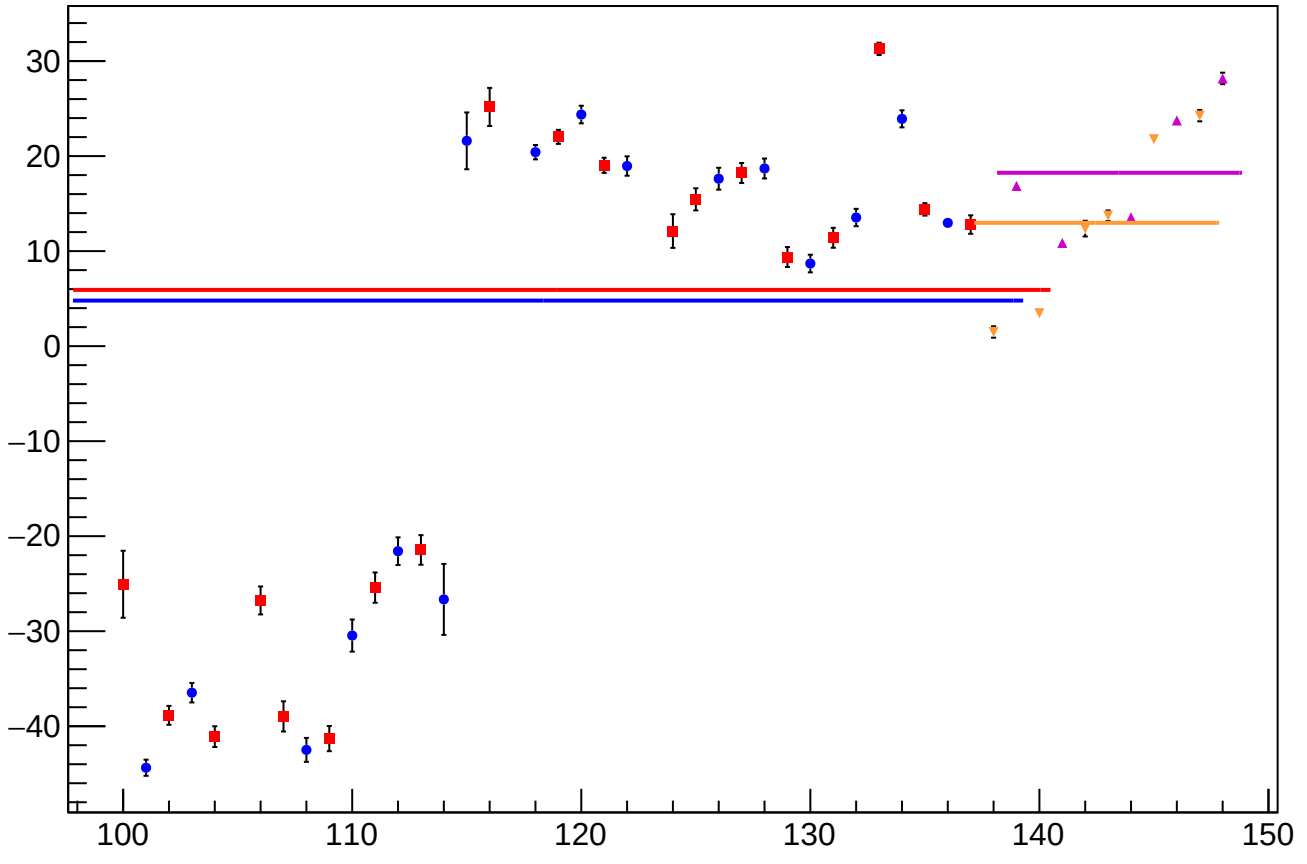
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.930+/-0.155 χ^2/NDF:3529.0/4

+ sign 5.019+/-0.124 χ^2/NDF: 11076.9/21

All: 5.734+/-0.088 χ^2/NDF: 23094.3/45

- sign 6.450+/-0.124 χ^2/NDF: 11951.2/23



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.978+/-0.214 χ^2/NDF:1698.3/5

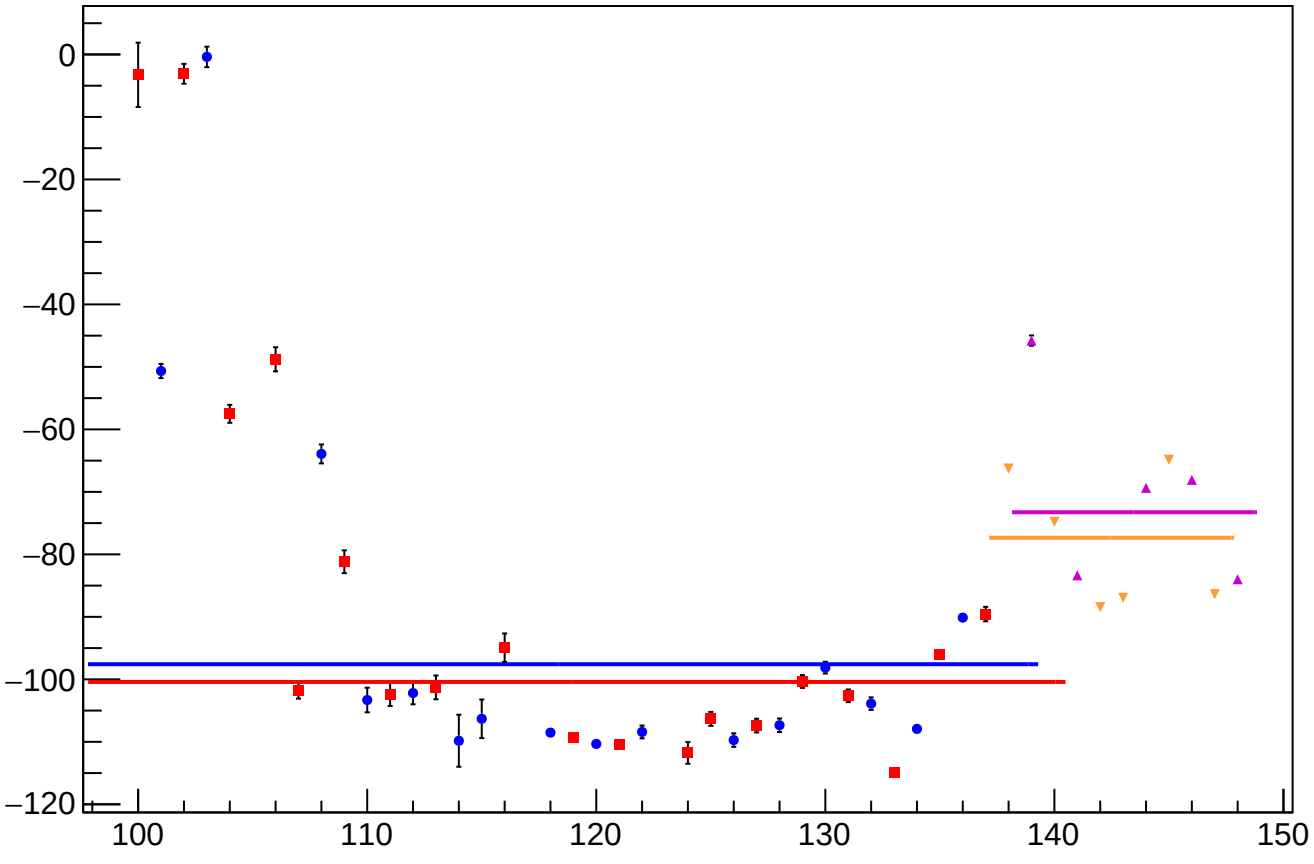
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.245+/-0.218 χ^2/NDF:755.4/4

+ sign 9.319+/-0.159 χ^2/NDF: 11852.2/21

All: 10.965+/-0.113 χ^2/NDF: 24330.3/45

- sign 12.667+/-0.161 χ^2/NDF: 12259.4/23



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

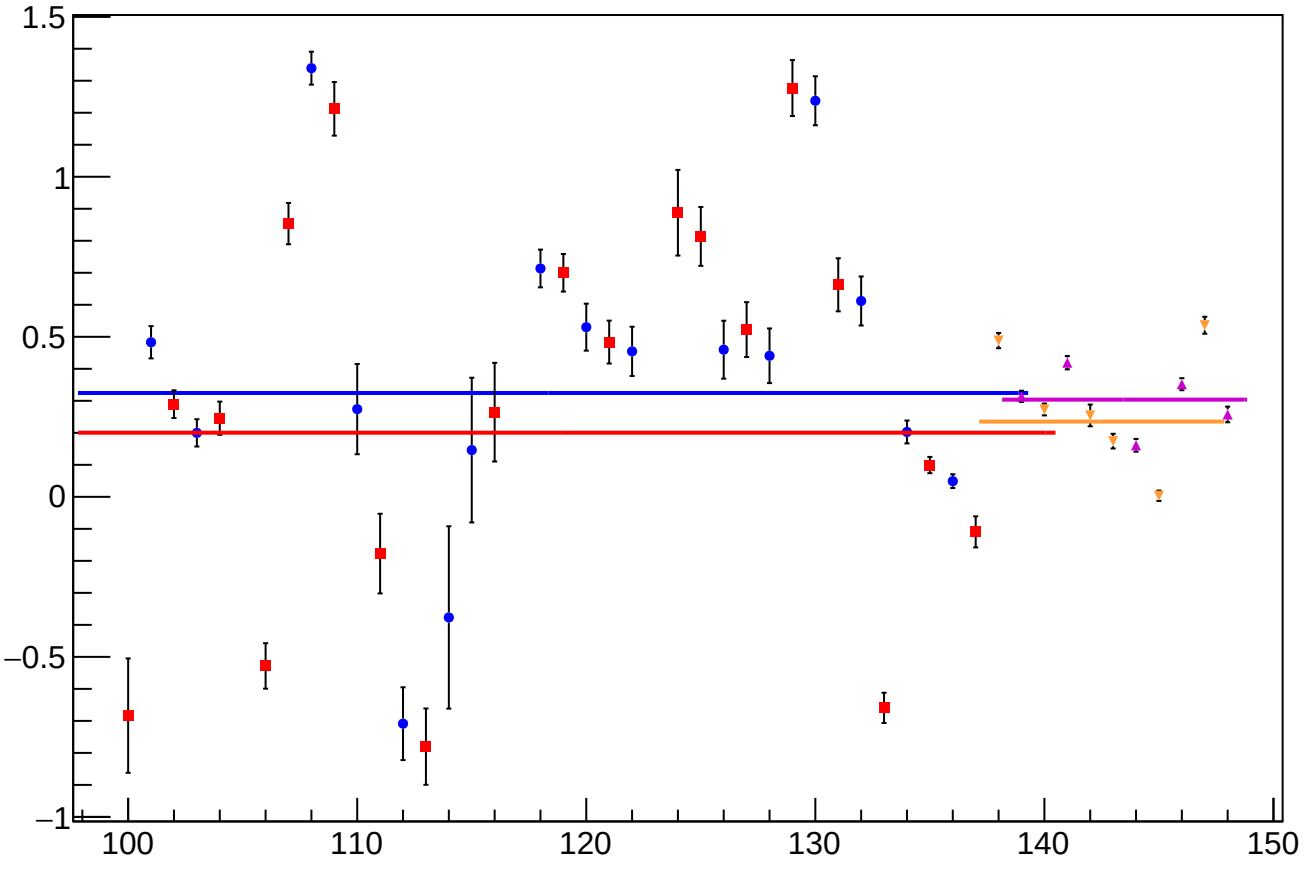
Left In: -73.257+/-0.190 χ^2/NDF:2612.6/4

+ sign -84.948+/-0.148 χ^2/NDF: 14165.2/21

All: -84.312+/-0.105 χ^2/NDF: 31765.3/45

- sign -83.667+/-0.149 χ^2/NDF: 17563.0/23

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

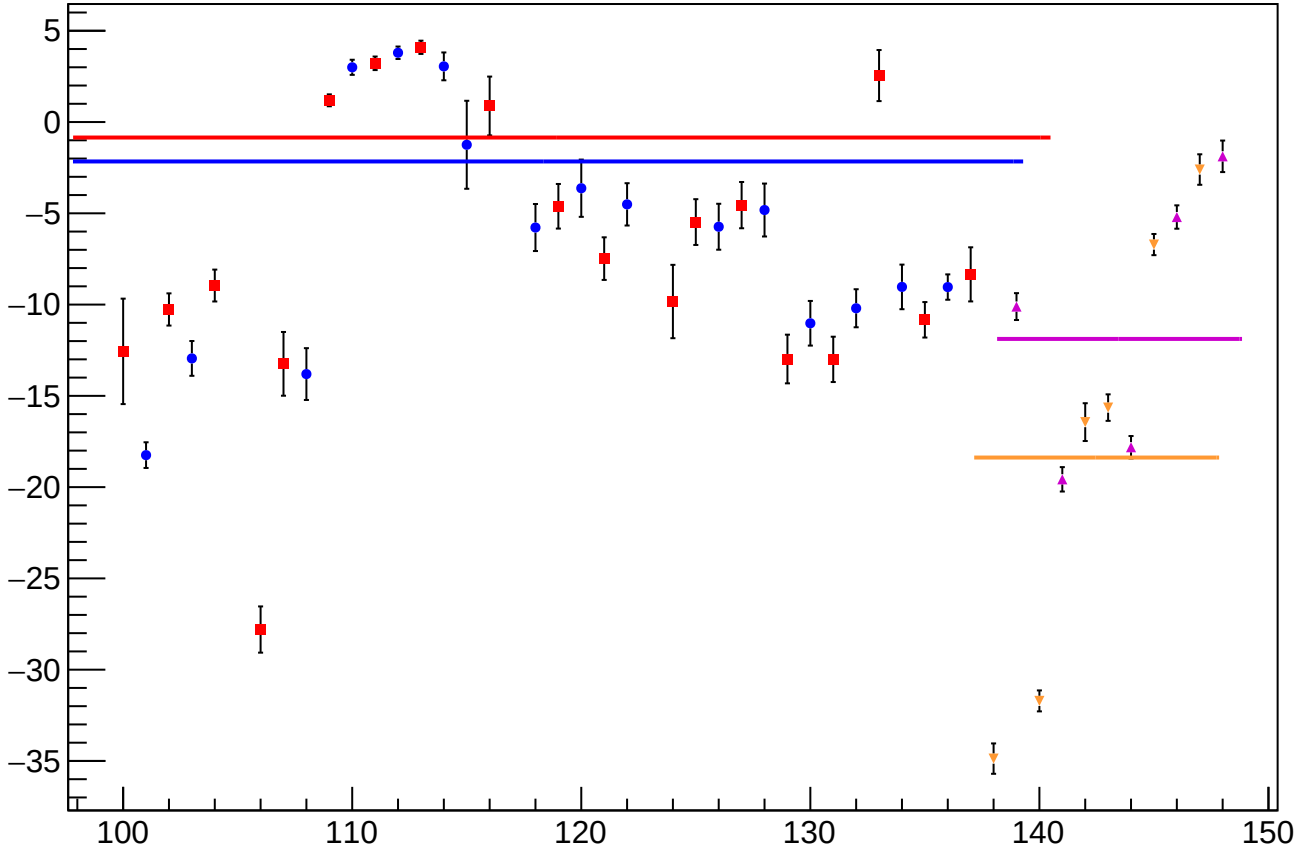
Left In: 0.304+/-0.009 χ^2/NDF:92.1/4

+ sign 0.263+/-0.007 χ^2/NDF: 1376.0/21

All: 0.268+/-0.005 χ^2/NDF: 2714.6/45

- sign 0.273+/-0.008 χ^2/NDF: 1337.6/23

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

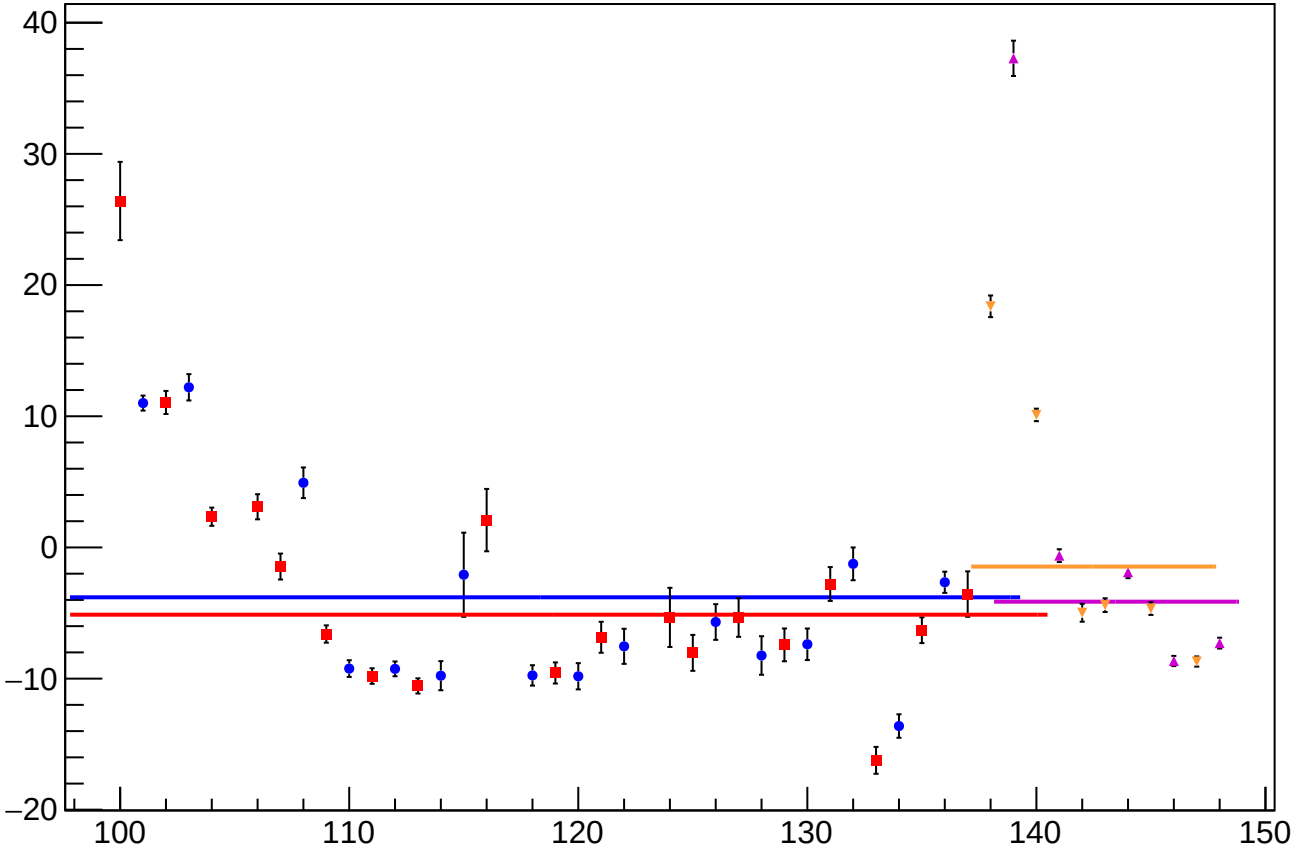
Left In: -11.881+/-0.308 χ^2/NDF:474.8/4

+ sign -7.050+/-0.160 χ^2/NDF: 5354.1/21

All: -5.108+/-0.109 χ^2/NDF: 8548.5/45

- sign -3.431+/-0.149 χ^2/NDF: 2921.4/23

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

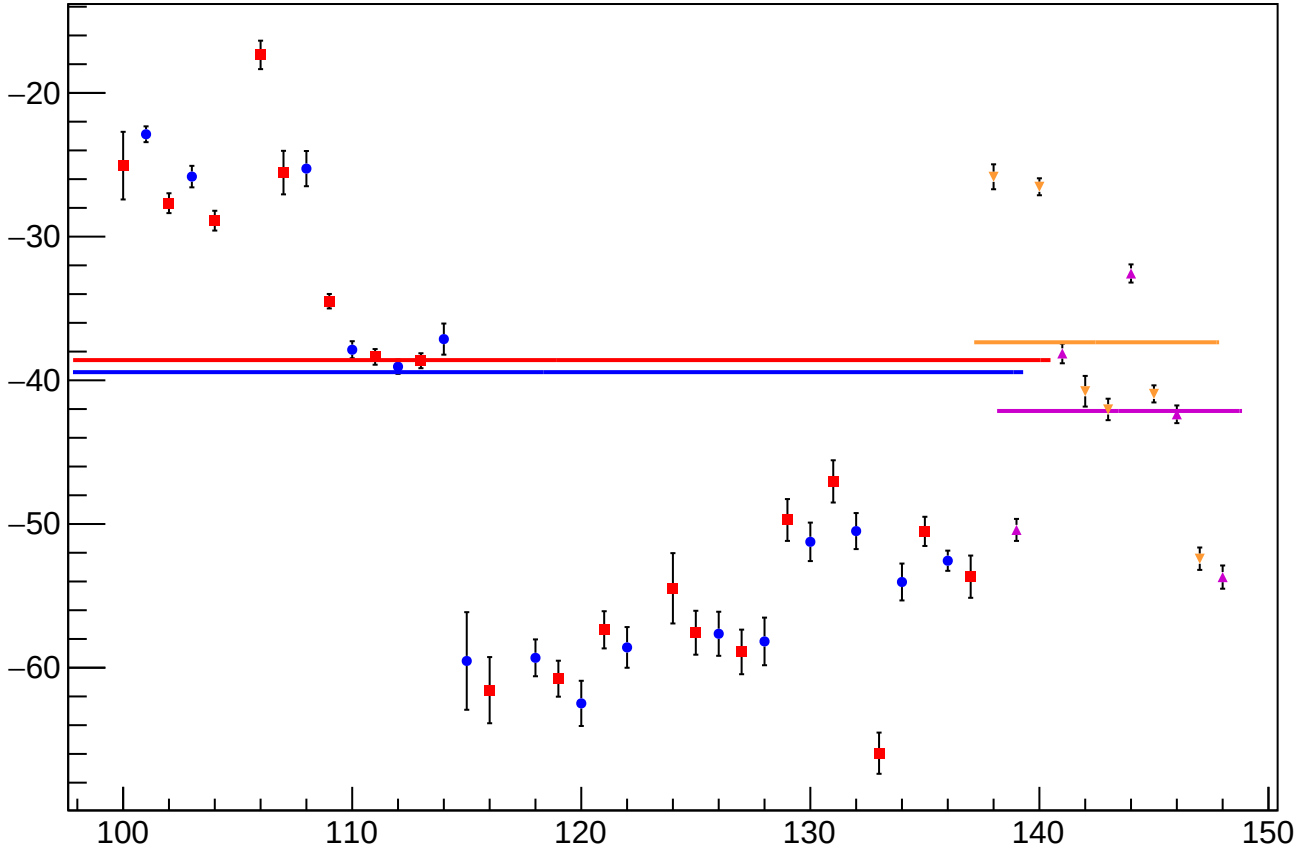
Left In: -4.135+/-0.213 χ^2/NDF:1216.9/4

+ sign -2.549+/-0.154 χ^2/NDF: 3094.9/21

All: -3.593+/-0.108 χ^2/NDF: 5393.9/45

- sign -4.617+/-0.153 χ^2/NDF: 2208.0/23

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

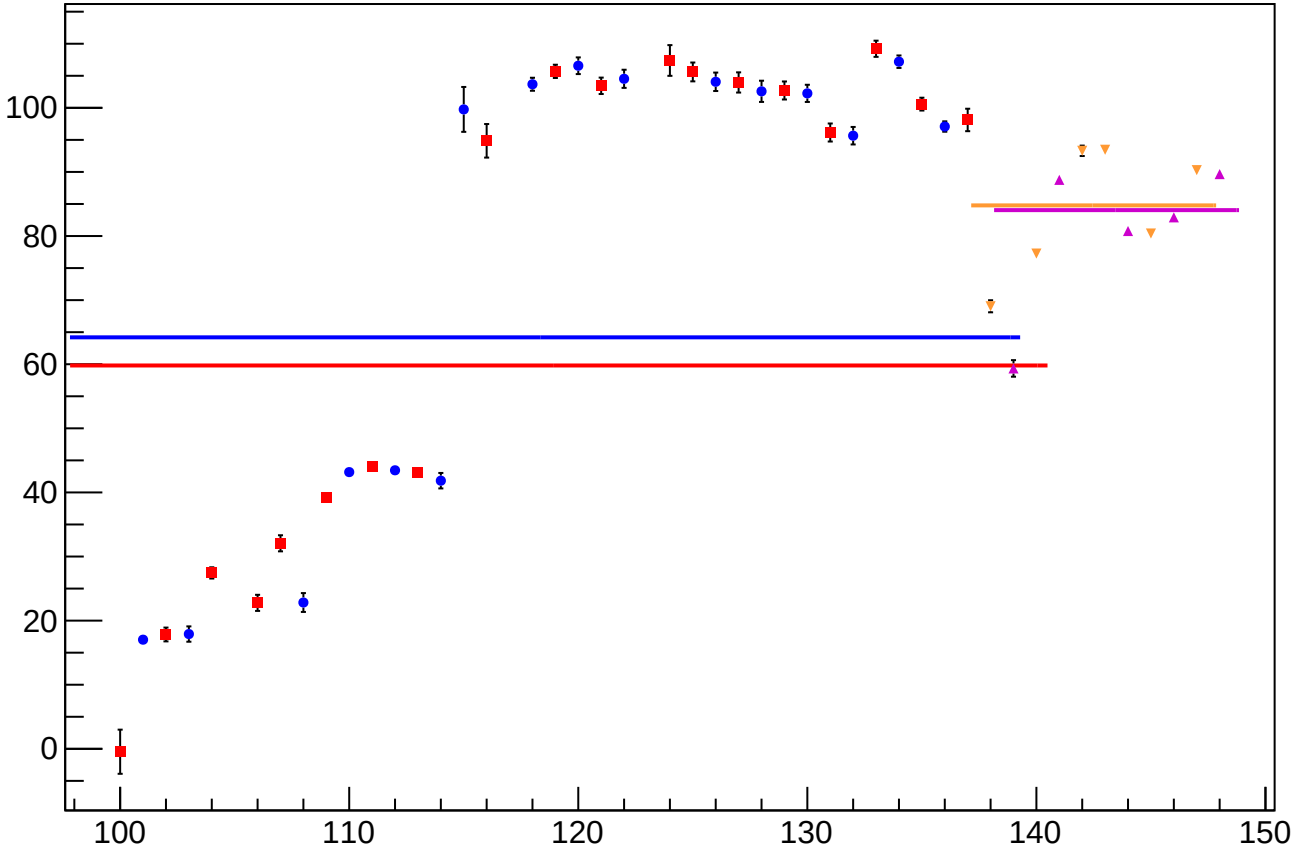
Left In: -42.133+/-0.309 χ^2/NDF:584.8/4

+ sign -38.672+/-0.180 χ^2/NDF: 3960.3/21

All: -39.215+/-0.125 χ^2/NDF: 7424.4/45

- sign -39.732+/-0.175 χ^2/NDF: 3446.3/23

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

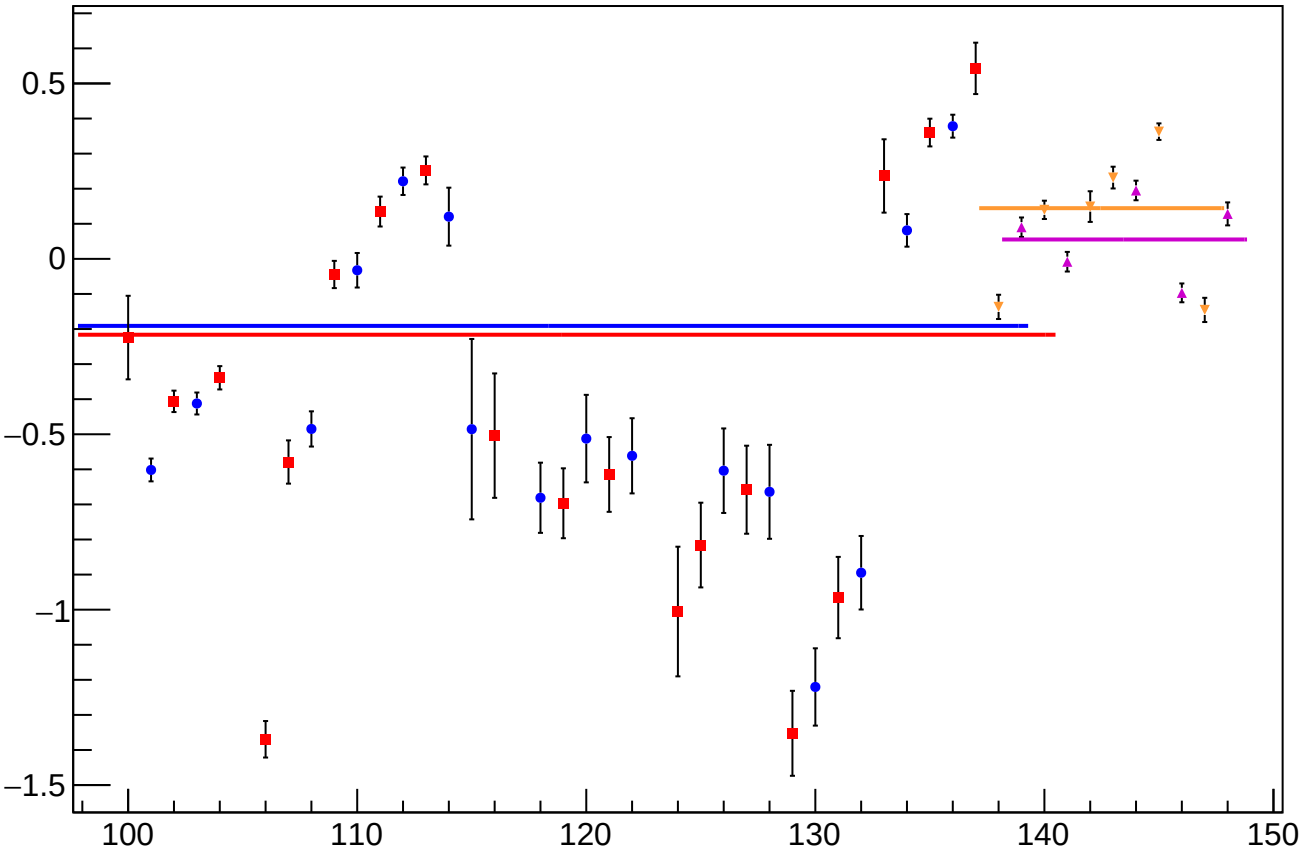
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.042+/-0.263 χ^2/NDF:571.0/4

+ sign 74.497+/-0.182 χ^2/NDF: 22720.4/21

All: 72.866+/-0.128 χ^2/NDF: 45368.8/45

- sign 71.259+/-0.181 χ^2/NDF: 22488.9/23



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

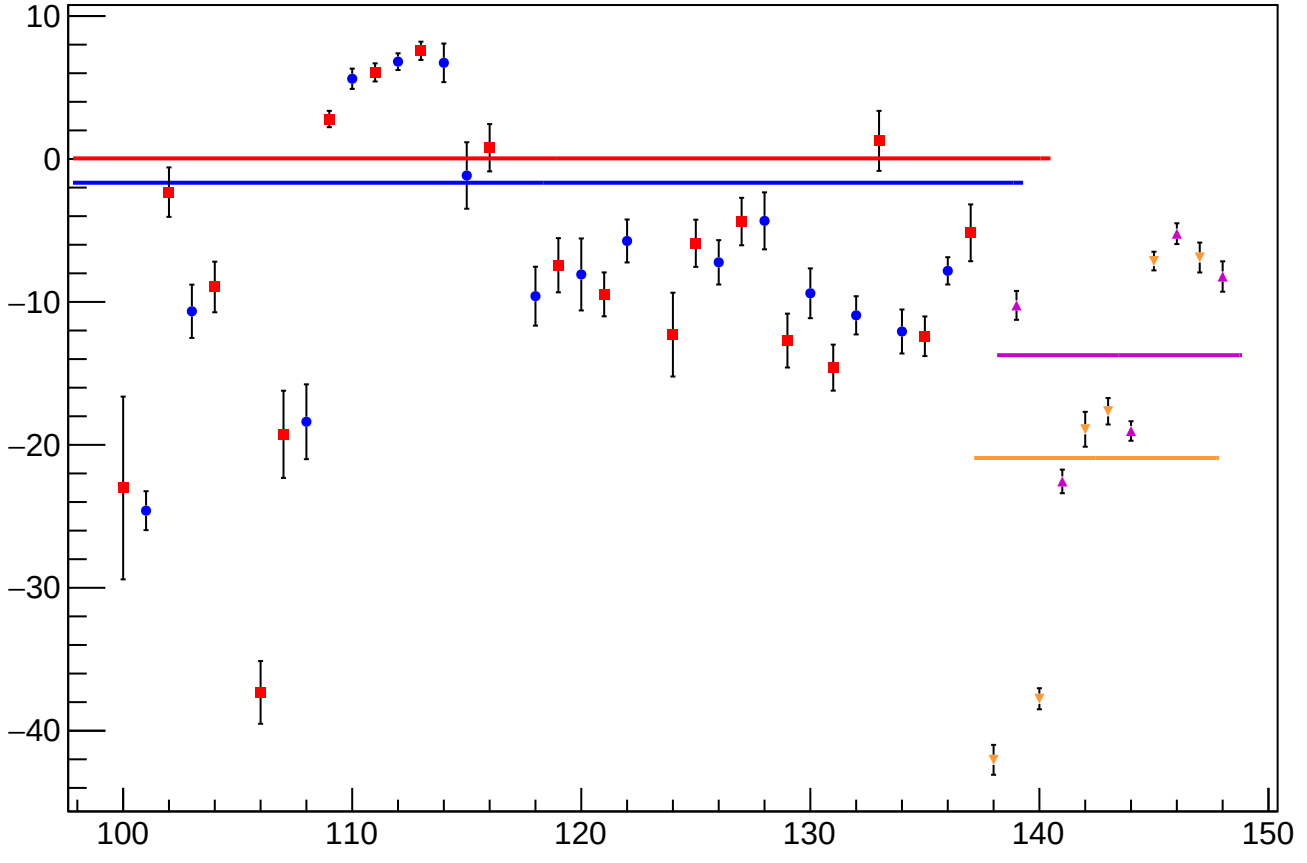
Left In: 0.055+/-0.013 χ^2/NDF:68.9/4

+ sign -0.010+/-0.009 χ^2/NDF: 1486.0/21

All: -0.044+/-0.006 χ^2/NDF: 3175.2/45

- sign -0.078+/-0.009 χ^2/NDF: 1661.0/23

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

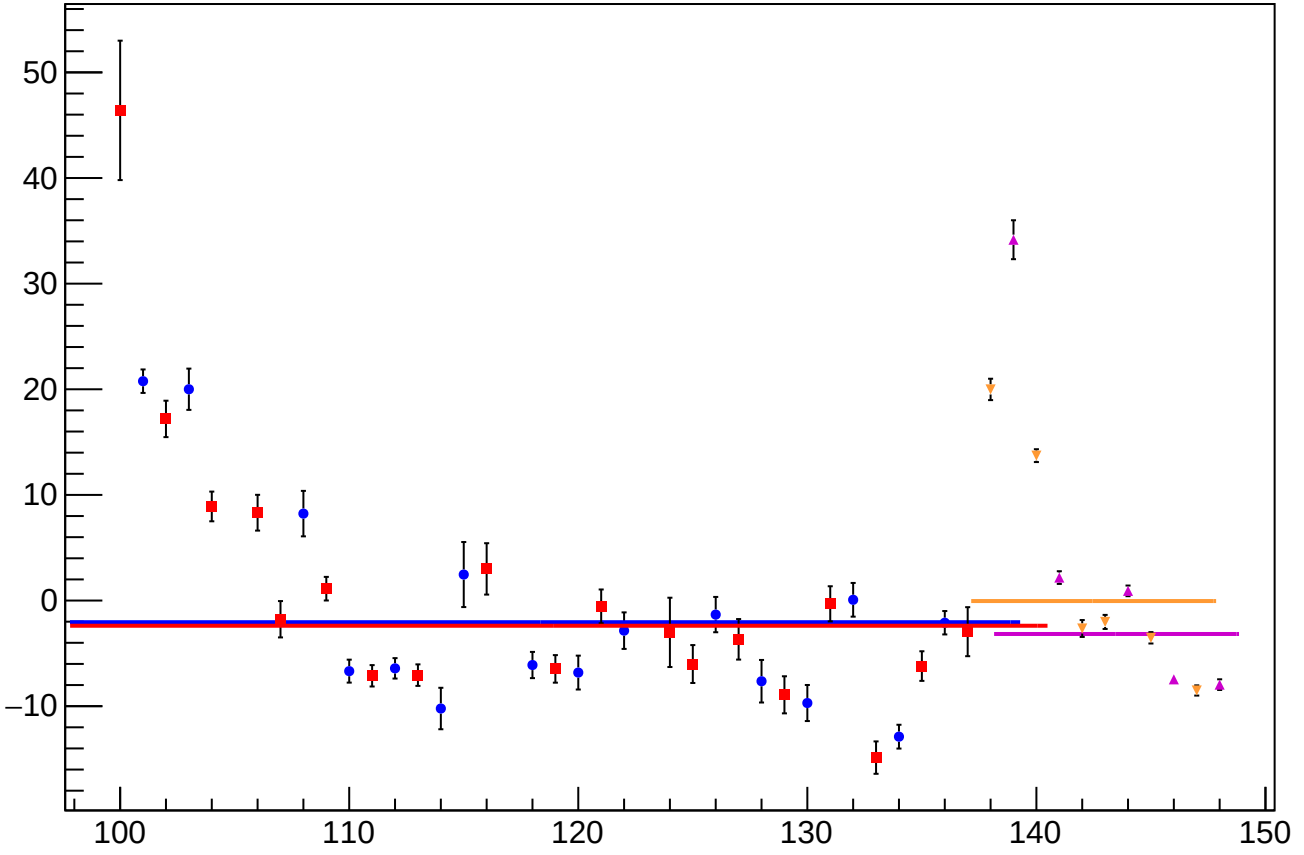
Left In: -13.727+/-0.368 χ^2/NDF:350.2/4

+ sign -9.887+/-0.233 χ^2/NDF: 4139.3/21

All: -7.366+/-0.161 χ^2/NDF: 6526.1/45

- sign -5.043+/-0.224 χ^2/NDF: 2162.3/23

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

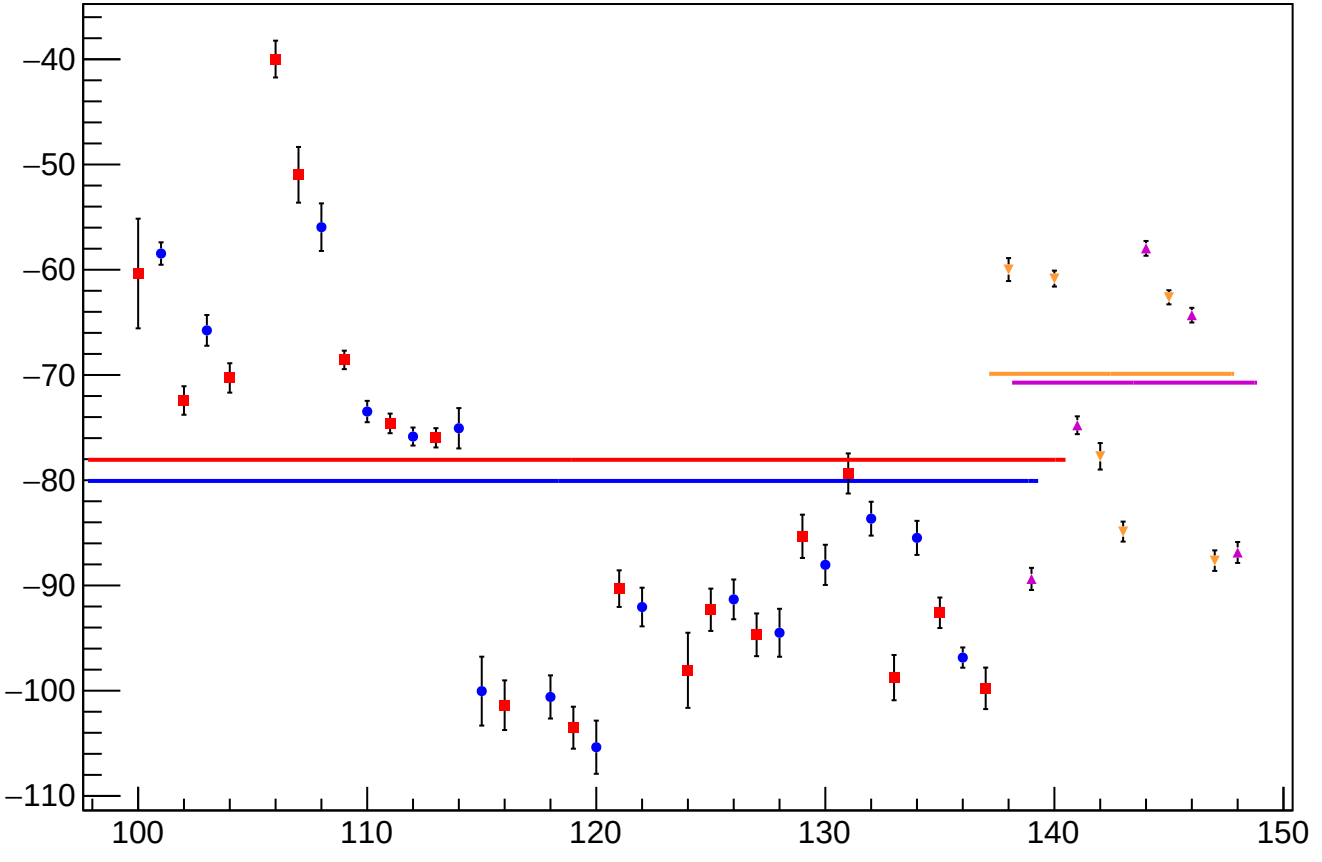
Left In: -3.165+/-0.248 χ^2/NDF:744.5/4

+ sign -0.731+/-0.208 χ^2/NDF: 2066.3/21

All: -1.846+/-0.145 χ^2/NDF: 3321.2/45

- sign -2.911+/-0.203 χ^2/NDF: 1198.7/23

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

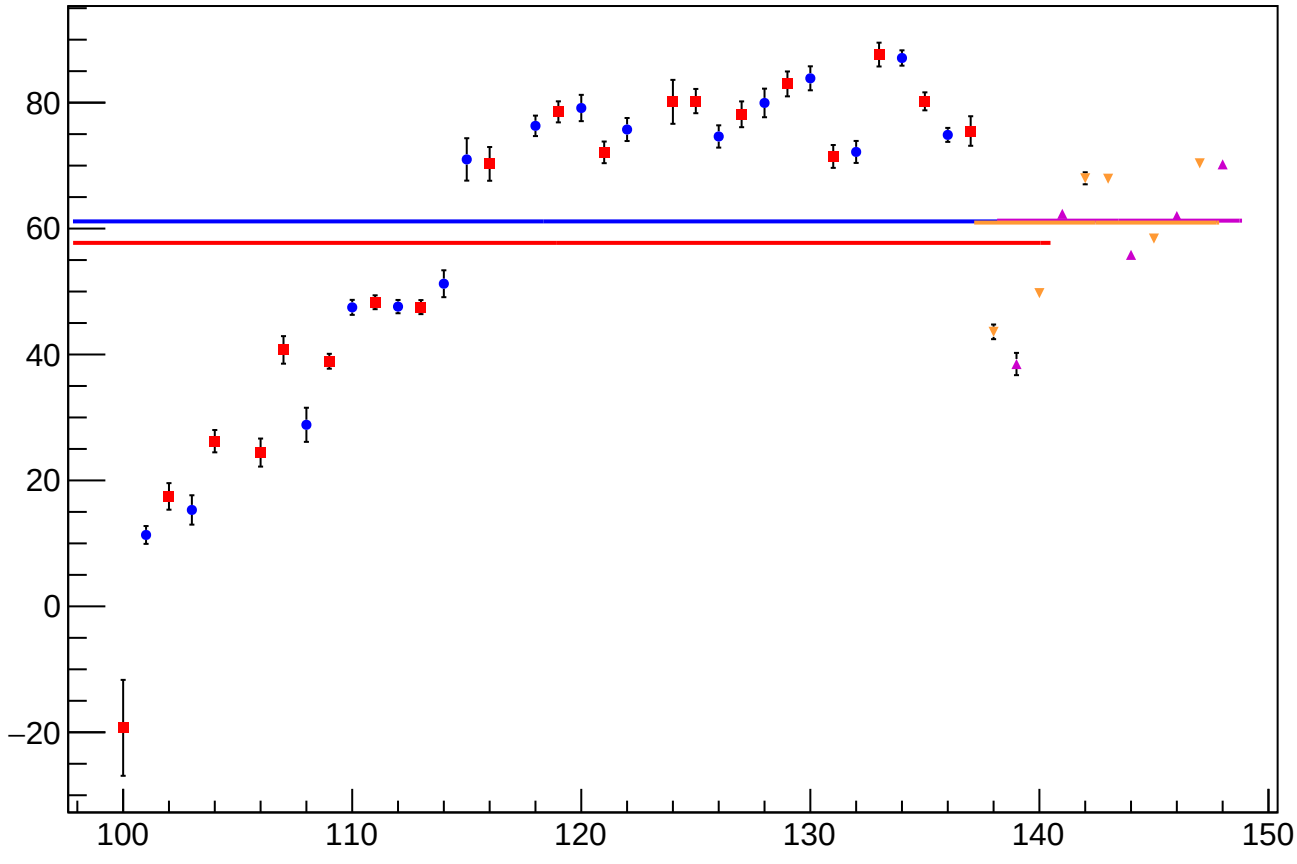
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -70.727+/-0.368 χ^2/NDF:1013.5/4

+ sign -74.960+/-0.257 χ^2/NDF: 2739.7/21

All: -74.750+/-0.181 χ^2/NDF: 5522.0/45

- sign -74.543+/-0.255 χ^2/NDF: 2780.9/23



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

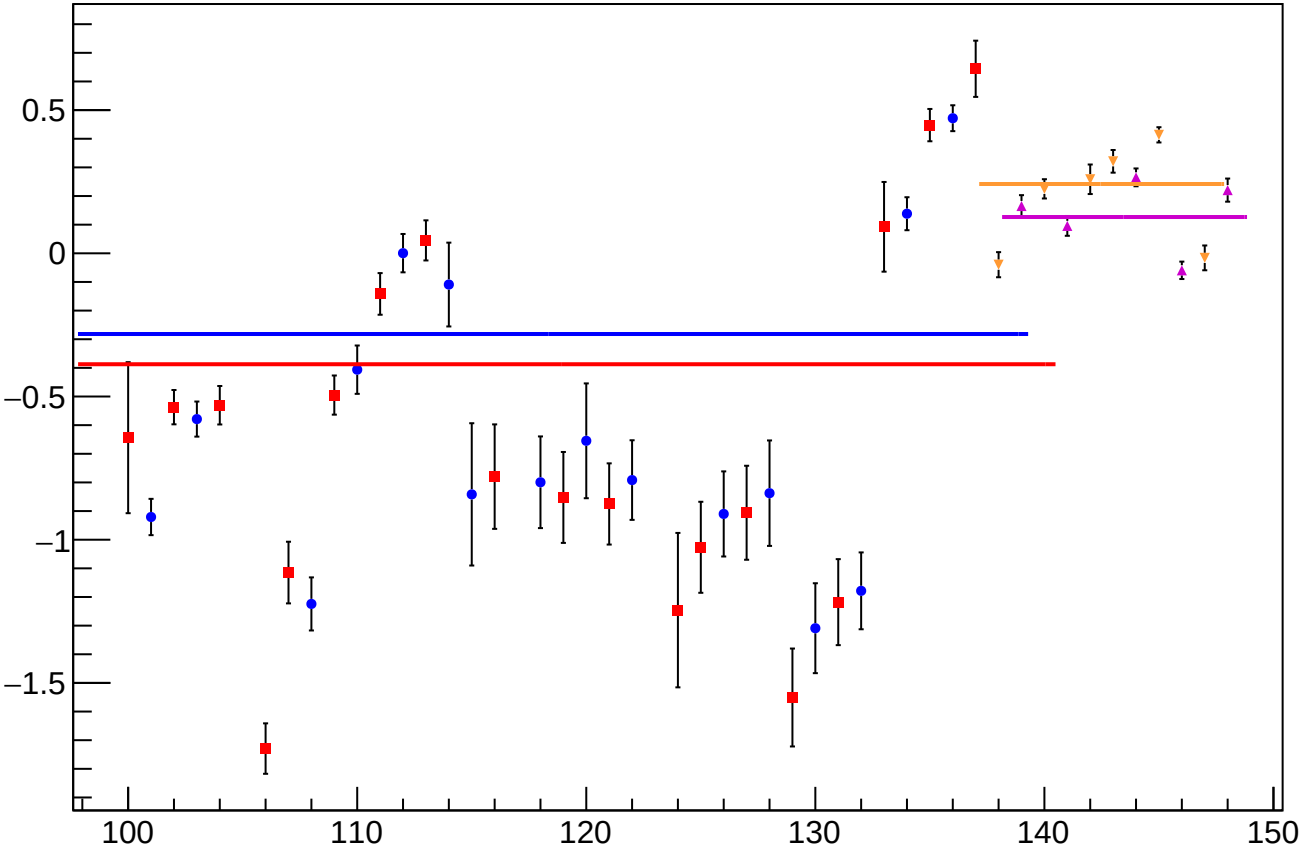
Left In: 61.257+/-0.307 χ^2/NDF:417.4/4

\+ sign 61.022+/-0.247 χ^2/NDF: 4037.6/21

All: 60.479+/-0.173 χ^2/NDF: 7289.1/45

\- sign 59.949+/-0.244 χ^2/NDF: 3242.0/23

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.242+/-0.015 χ^2/NDF:122.7/5

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

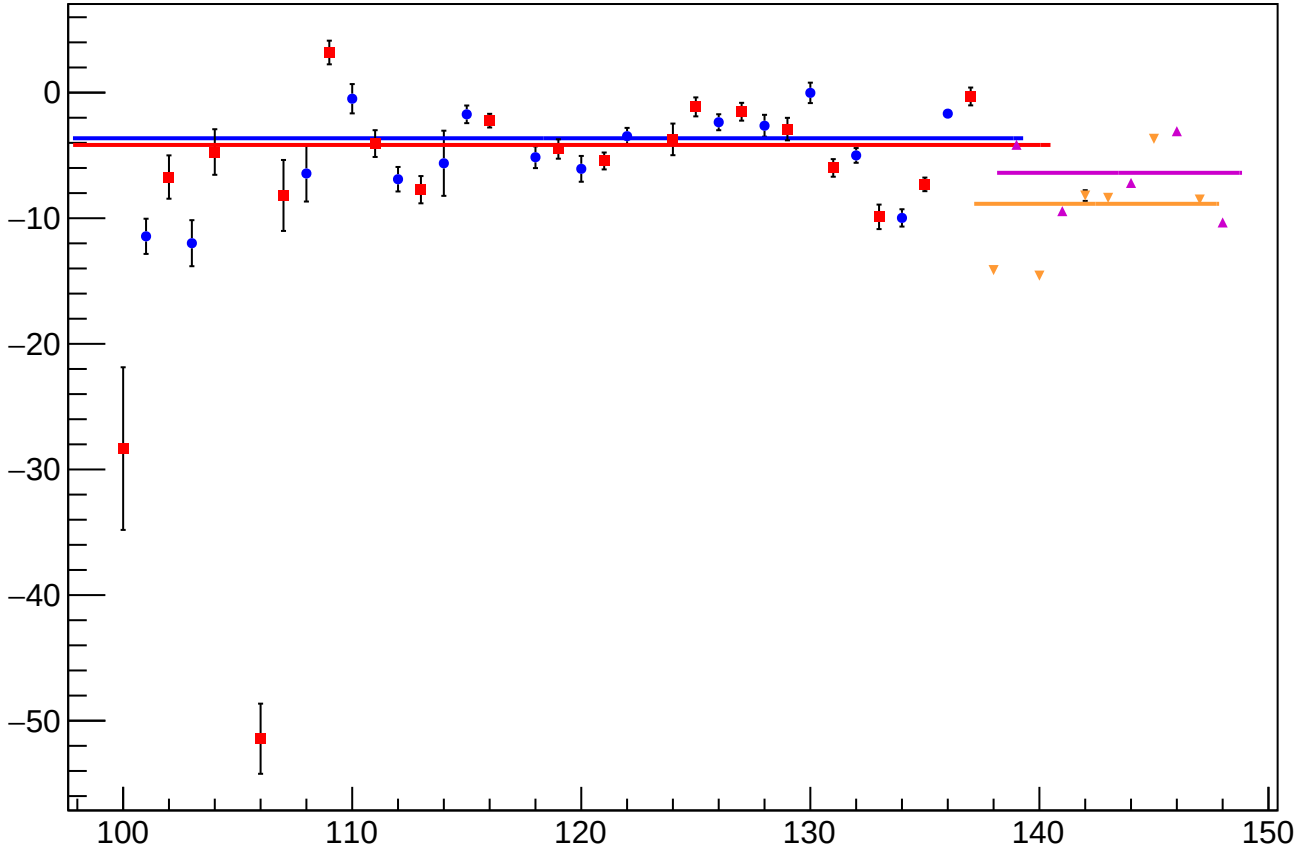
Left In: 0.127+/-0.015 χ^2/NDF:64.5/4

+ sign 0.070+/-0.012 χ^2/NDF: 1244.5/21

All: 0.015+/-0.009 χ^2/NDF: 2537.7/45

- sign -0.042+/-0.013 χ^2/NDF: 1253.0/23

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.852+/-0.123 χ^2/NDF:1266.9/5

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

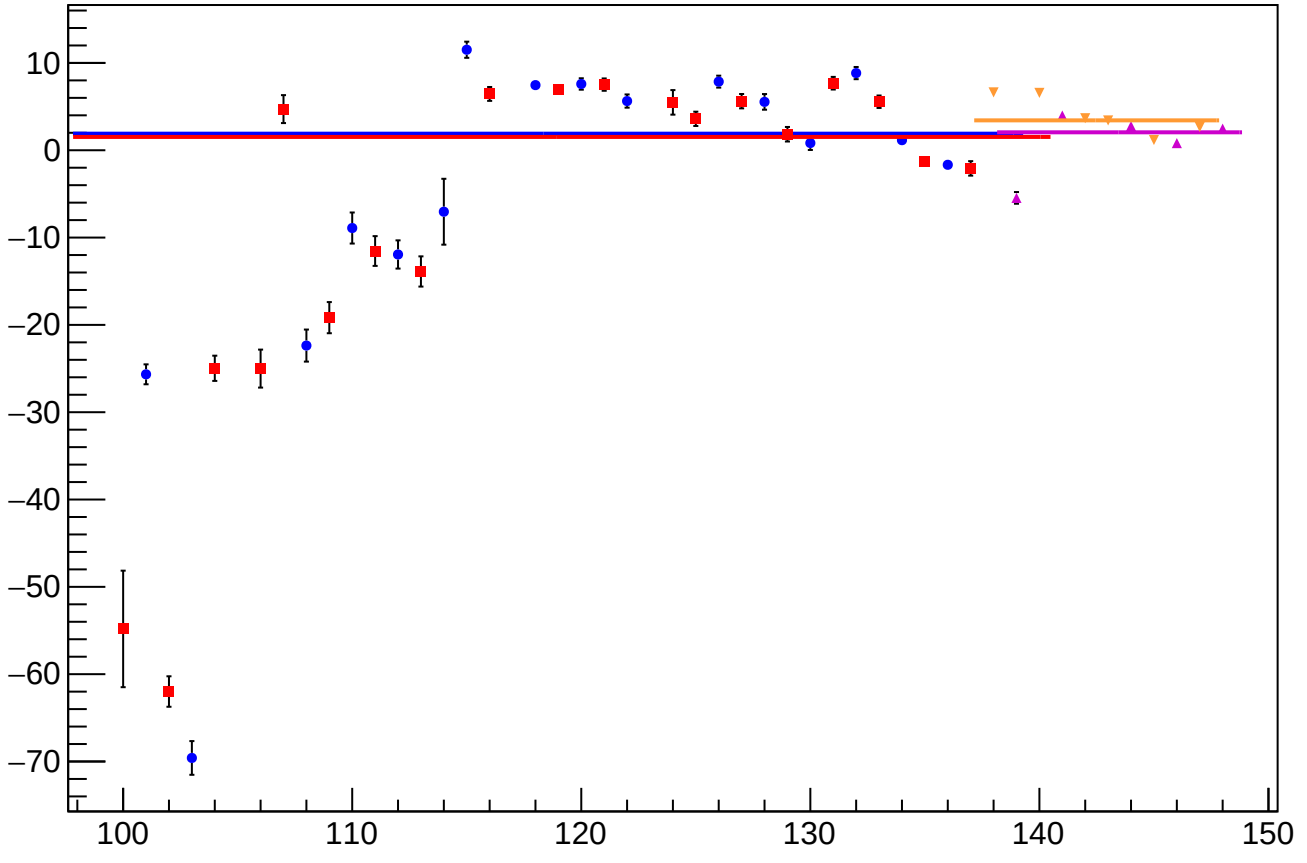
Left In: -6.385+/-0.125 χ^2/NDF:478.4/4

+ sign -7.305+/-0.103 χ^2/NDF: 2037.8/21

All: -6.554+/-0.074 χ^2/NDF: 3244.2/45

- sign -5.761+/-0.106 χ^2/NDF: 1097.0/23

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

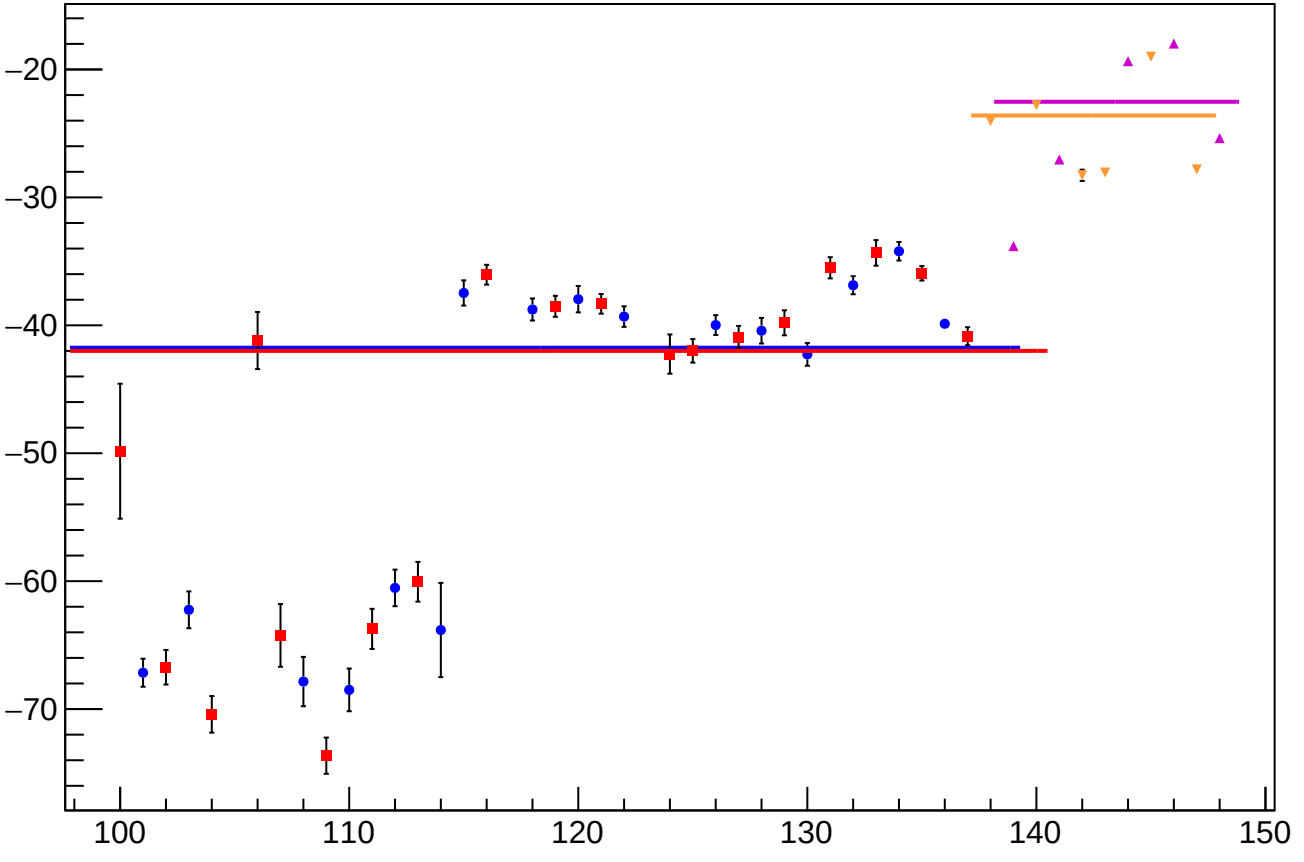
Left In: 2.054+/-0.083 χ^2/NDF:311.1/4

+ sign 3.148+/-0.080 χ^2/NDF: 3367.8/21

All: 2.543+/-0.056 χ^2/NDF: 6353.6/45

- sign 1.981+/-0.077 χ^2/NDF: 2876.5/23

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

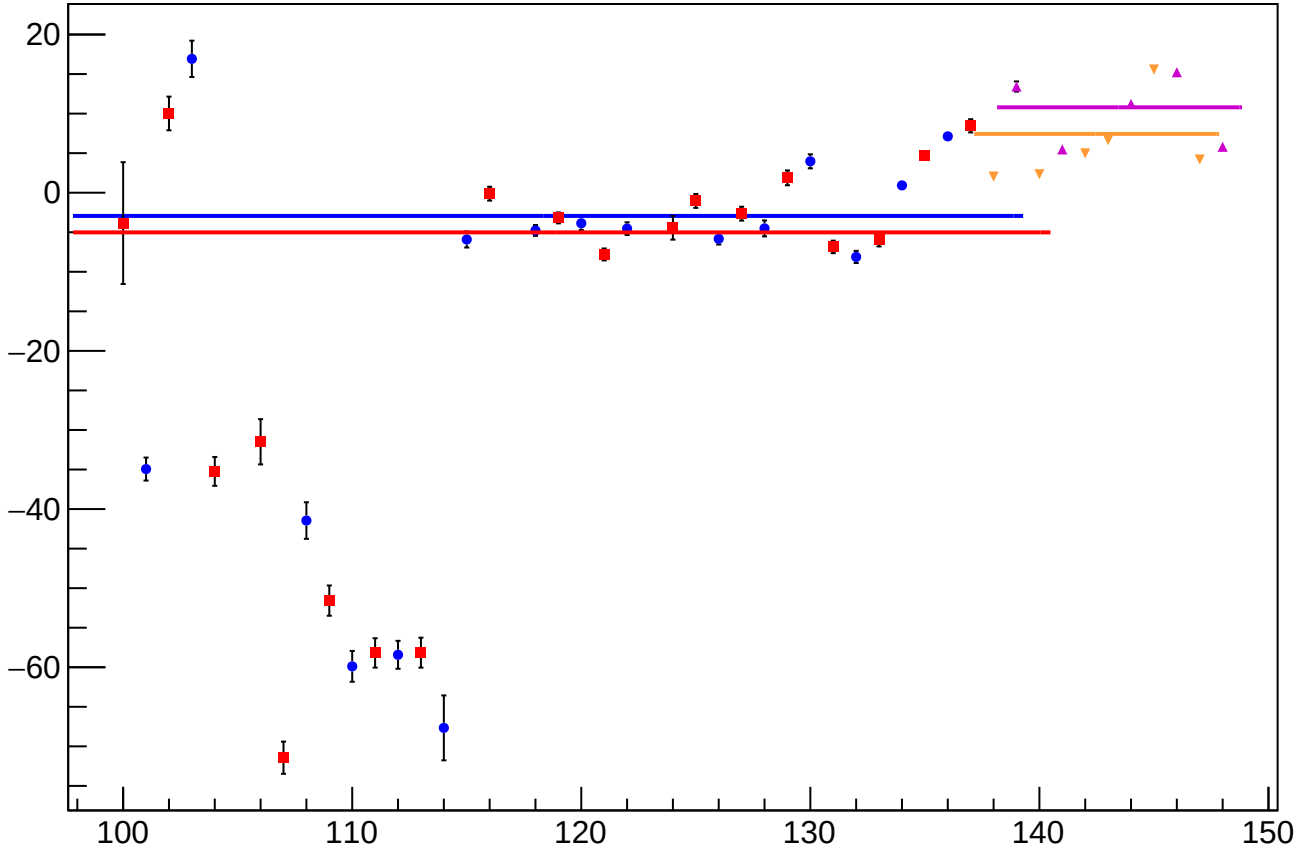
Left In: -22.524+/-0.125 χ^2/NDF:1759.0/4

+ sign -28.429+/-0.107 χ^2/NDF: 8133.8/21

All: -27.726+/-0.077 χ^2/NDF: 17574.3/45

- sign -26.994+/-0.109 χ^2/NDF: 9352.6/23

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

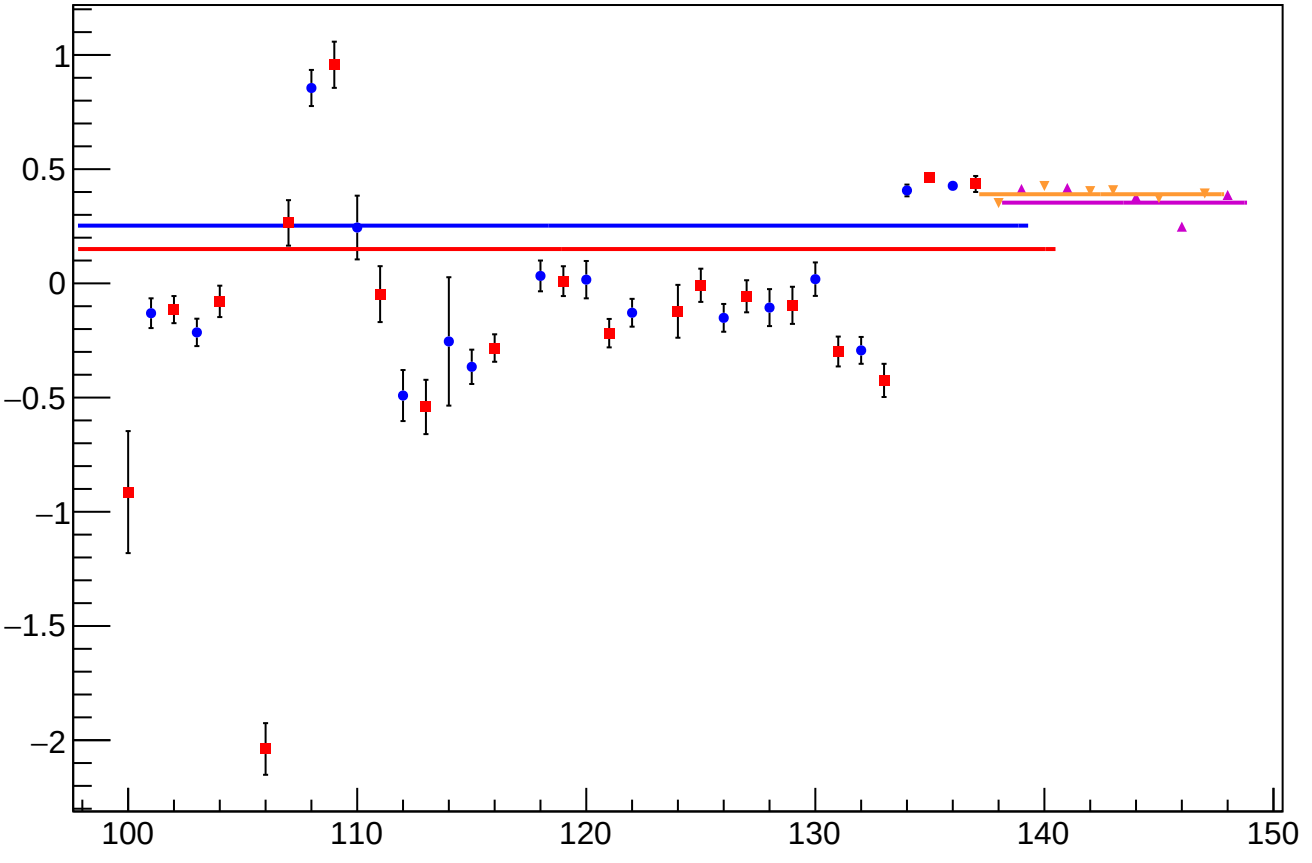
Left In: 10.795+/-0.103 χ^2/NDF:1535.1/4

+ sign 5.258+/-0.096 χ^2/NDF: 8080.4/21

All: 6.738+/-0.067 χ^2/NDF: 18342.2/45

- sign 8.171+/-0.094 χ^2/NDF: 9793.9/23

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

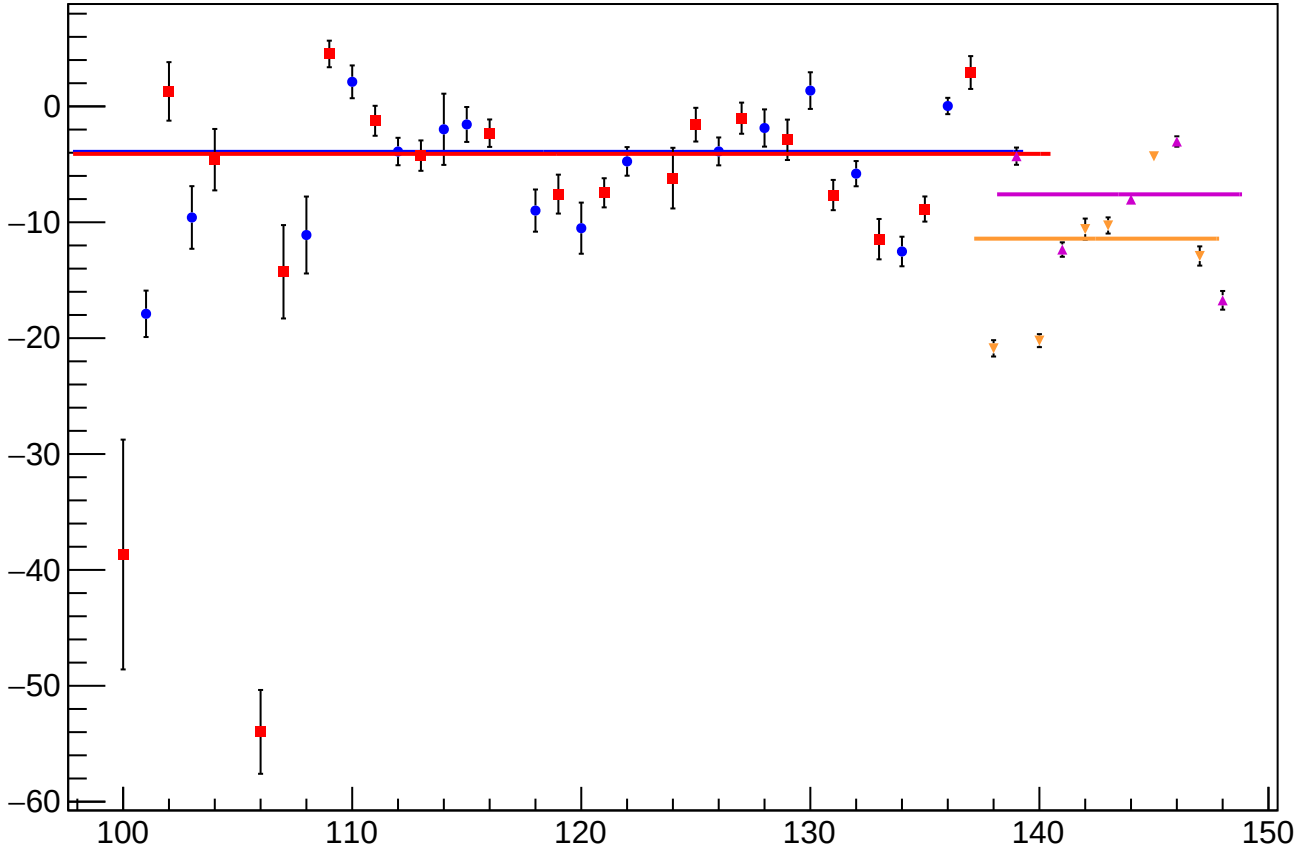
Left In: 0.353+/-0.005 χ^2/NDF:175.9/4

+ sign 0.367+/-0.005 χ^2/NDF: 771.5/21

All: 0.347+/-0.003 χ^2/NDF: 2201.3/45

- sign 0.327+/-0.005 χ^2/NDF: 1394.6/23

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

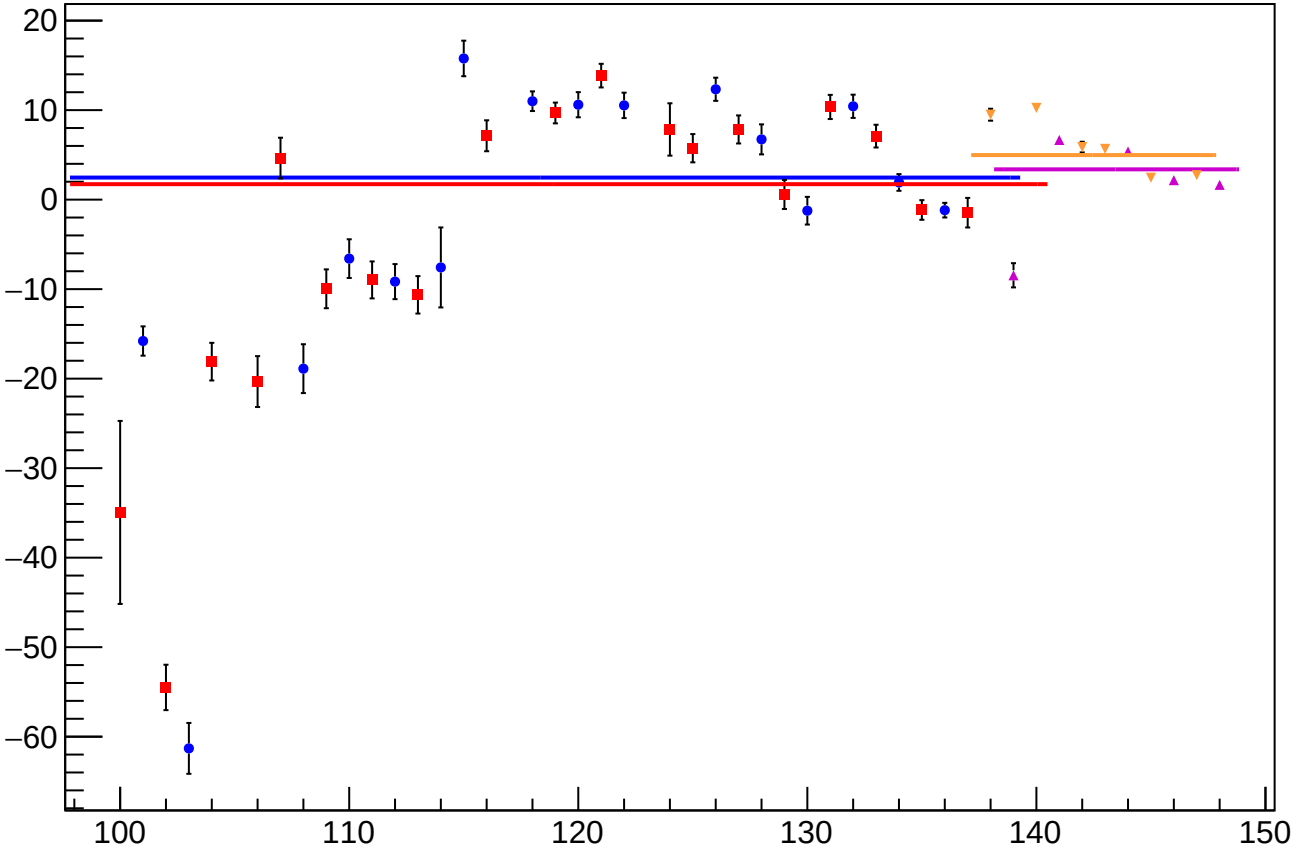
Left In: -7.590+/-0.248 χ^2/NDF:311.3/4

+ sign -8.882+/-0.201 χ^2/NDF: 1257.0/21

All: -7.681+/-0.143 χ^2/NDF: 2071.9/45

- sign -6.453+/-0.204 χ^2/NDF: 742.8/23

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

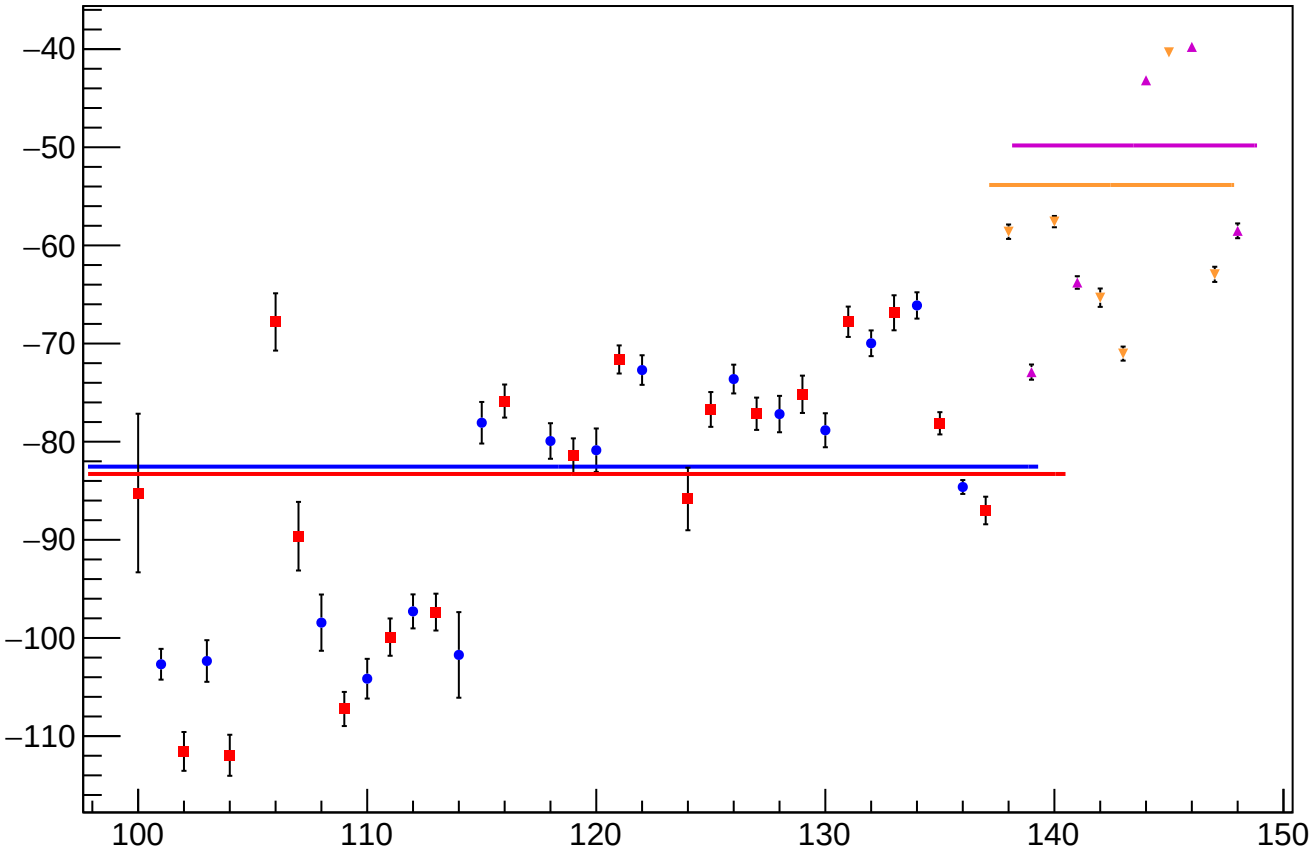
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.383+/-0.165 χ^2/NDF:210.0/4

+ sign 4.462+/-0.162 χ^2/NDF: 1363.6/21

All: 3.753+/-0.111 χ^2/NDF: 2608.4/45

- sign 3.127+/-0.152 χ^2/NDF: 1208.6/23



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

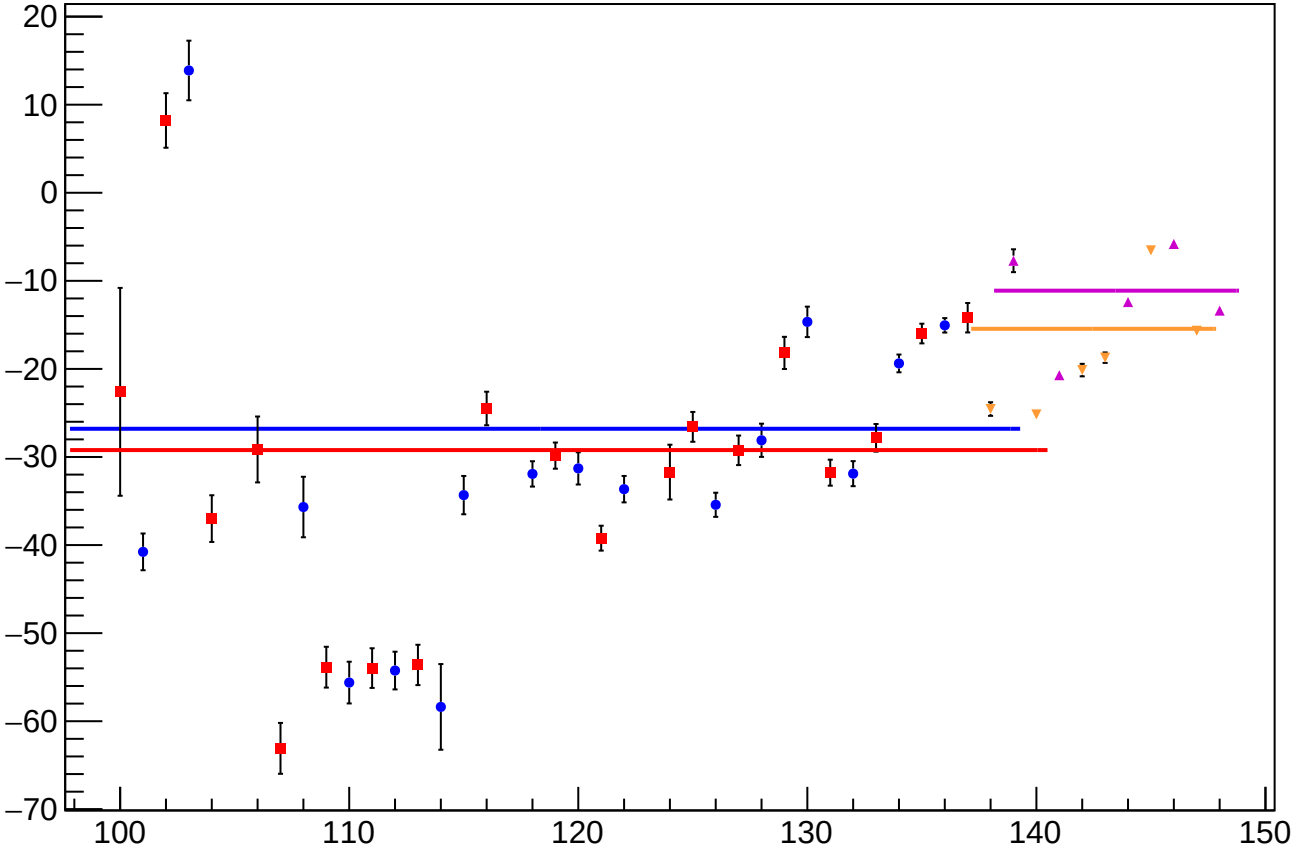
Left In: -49.816+/-0.248 χ^2/NDF:2261.4/4

+ sign -62.505+/-0.211 χ^2/NDF: 6784.5/21

All: -60.580+/-0.150 χ^2/NDF: 15116.4/45

- sign -58.629+/-0.213 χ^2/NDF: 8164.4/23

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

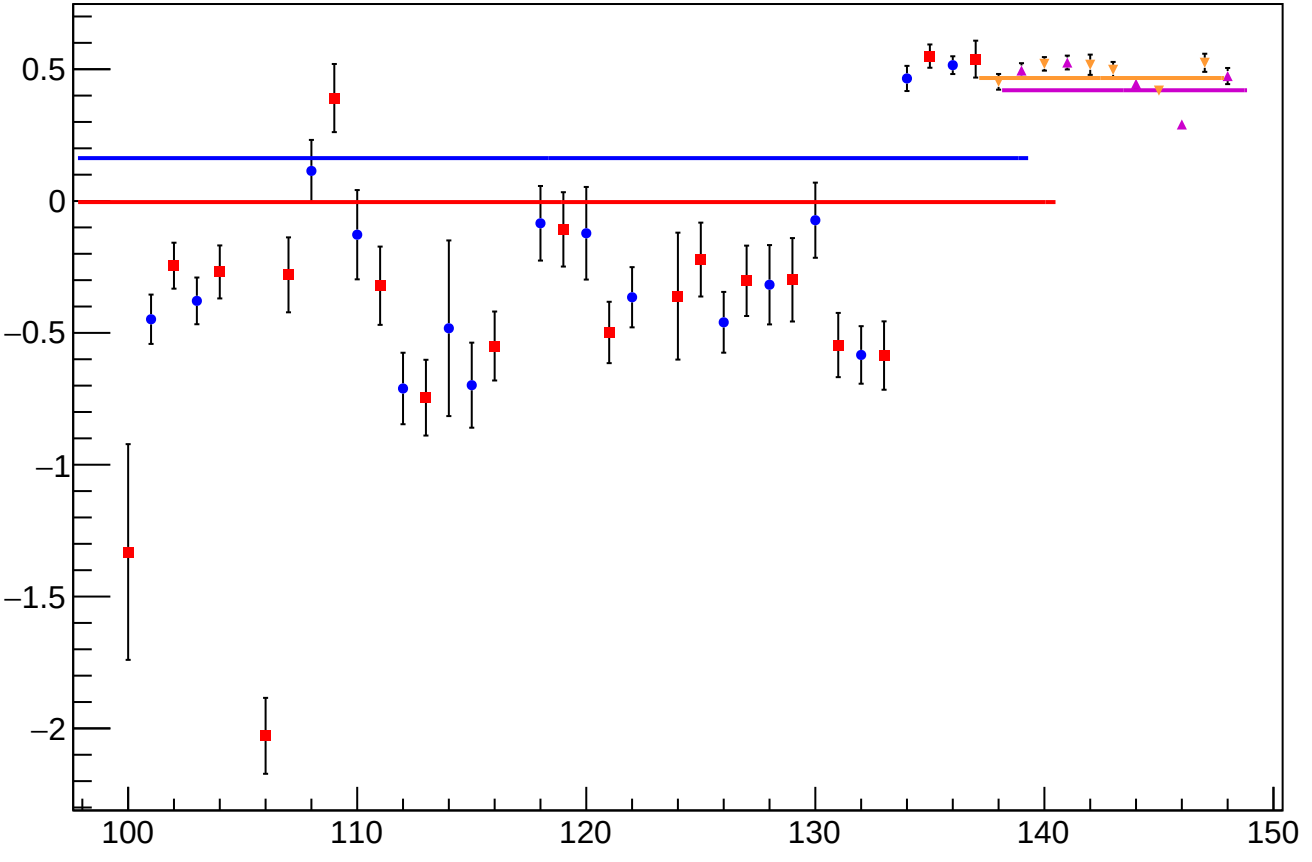
Left In: -11.116+/-0.205 χ^2/NDF:606.6/4

+ sign -18.117+/-0.192 χ^2/NDF: 2698.7/21

All: -16.217+/-0.133 χ^2/NDF: 5893.2/45

- sign -14.450+/-0.185 χ^2/NDF: 3005.3/23

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

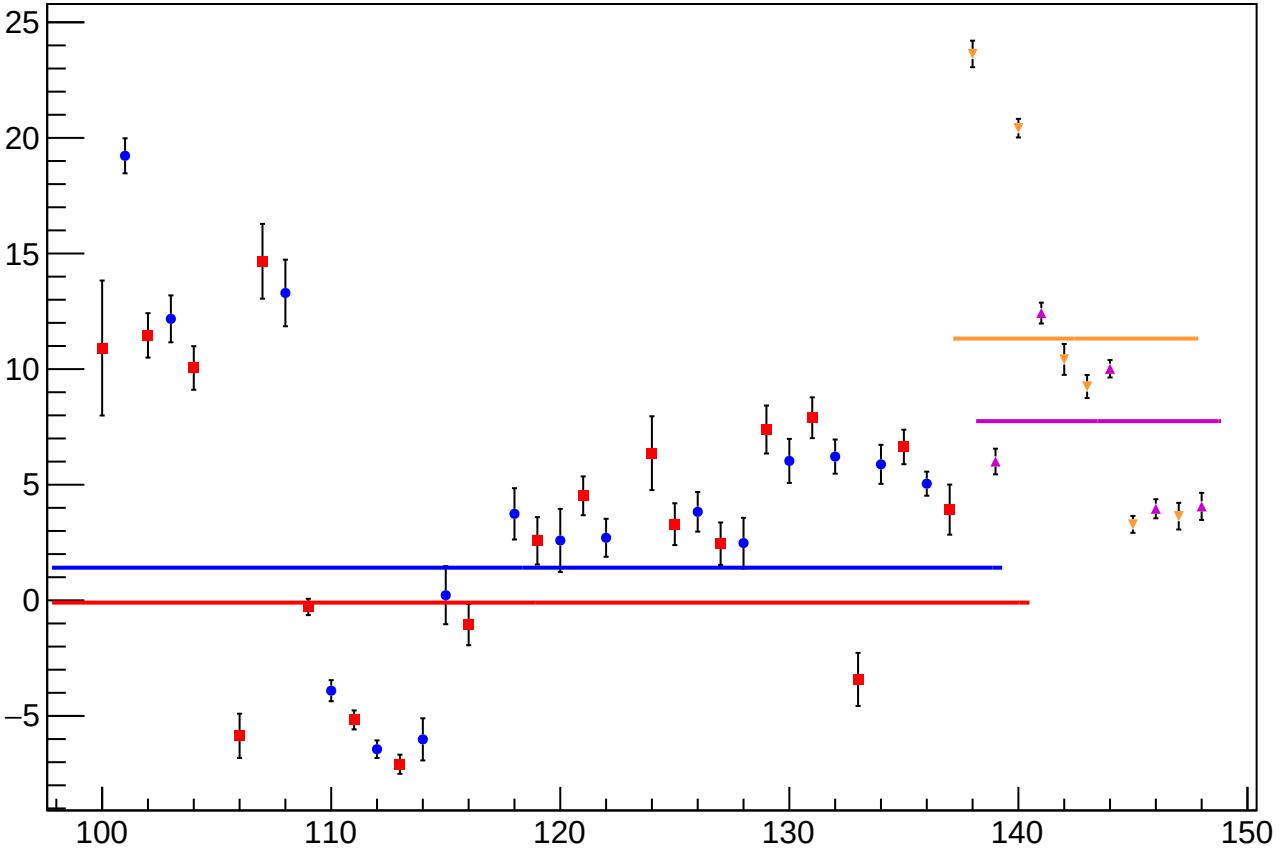
Left In: 0.420+/-0.010 χ^2/NDF:76.0/4

+ sign 0.408+/-0.009 χ^2/NDF: 604.1/21

All: 0.382+/-0.007 χ^2/NDF: 1524.6/45

- sign 0.355+/-0.010 χ^2/NDF: 905.0/23

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

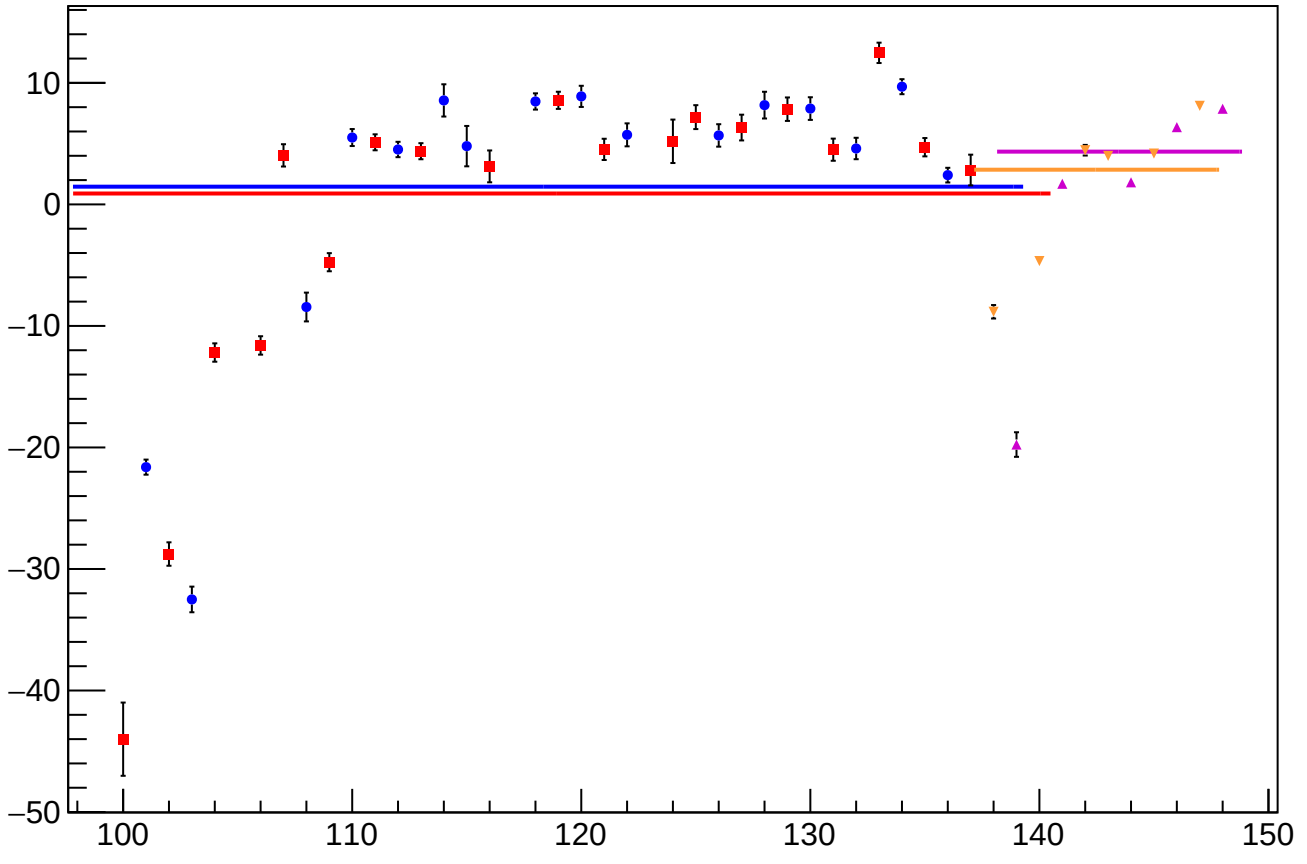
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 7.750+/-0.204 χ^2/NDF:277.4/4

+ sign 6.022+/-0.134 χ^2/NDF: 4535.5/21

All: 4.490+/-0.093 χ^2/NDF: 7097.5/45

- sign 3.058+/-0.129 χ^2/NDF: 2308.7/23



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

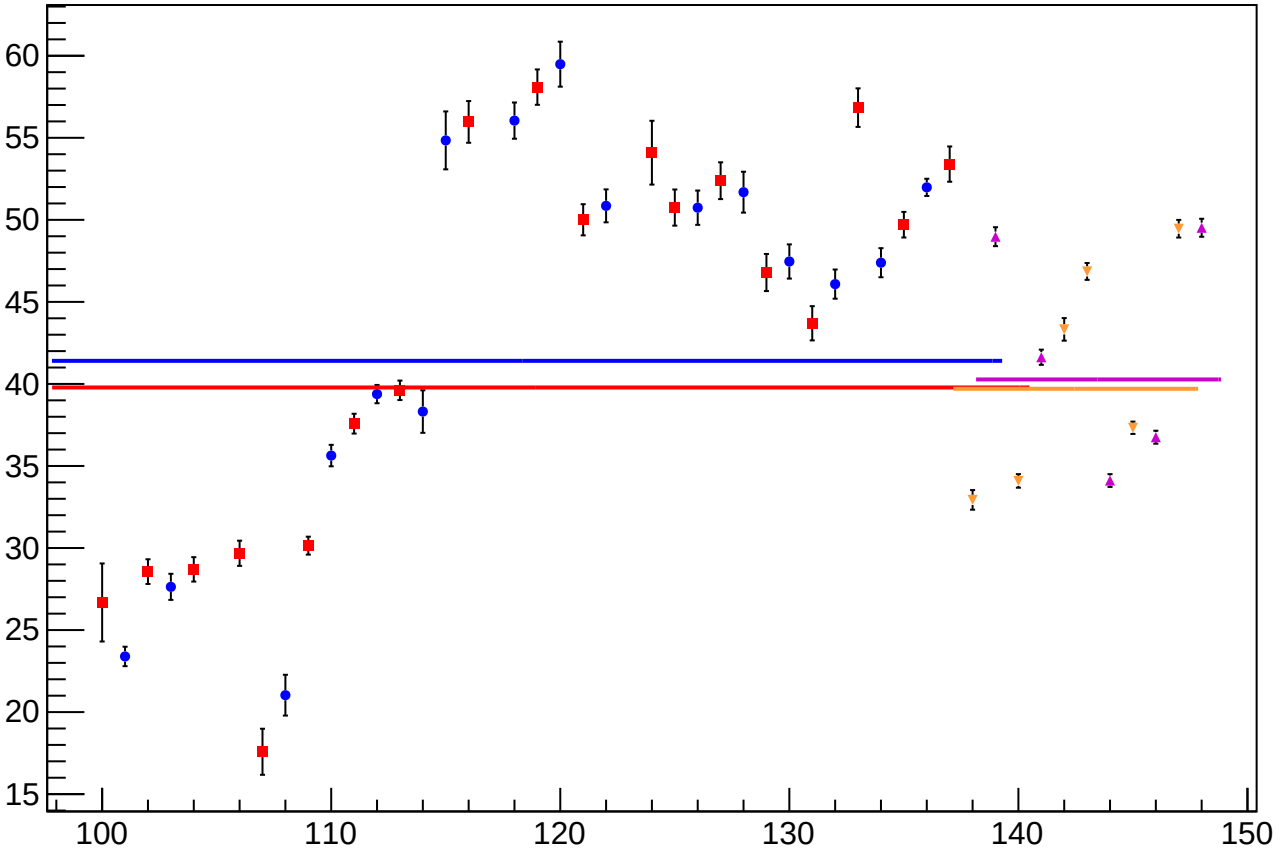
Left In: 4.342+/-0.137 χ^2/NDF:947.2/4

+ sign 2.403+/-0.116 χ^2/NDF: 4502.2/21

All: 2.840+/-0.081 χ^2/NDF: 8053.9/45

- sign 3.259+/-0.113 χ^2/NDF: 3523.8/23

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

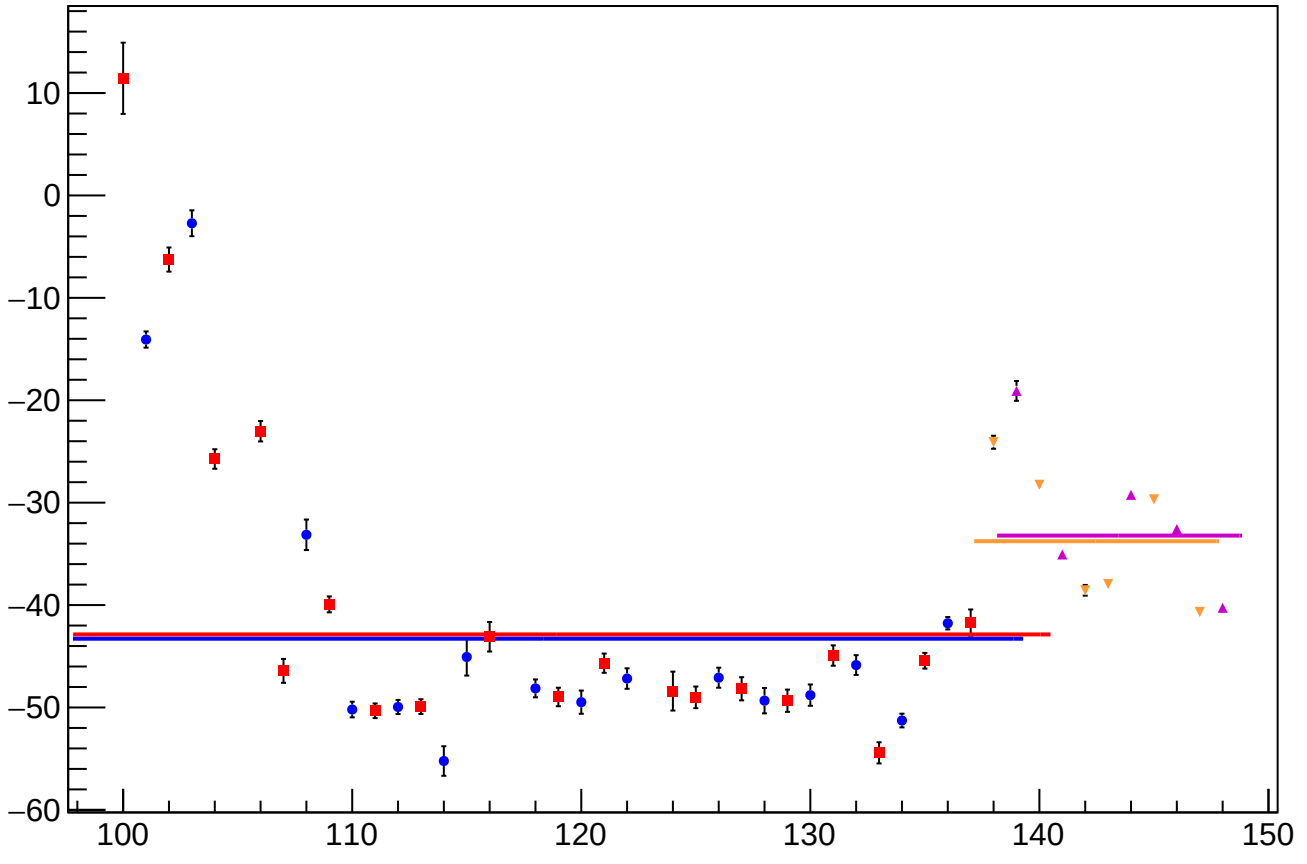
Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 40.273+/-0.204 χ^2/NDF:851.1/4

+ sign 40.511+/-0.145 χ^2/NDF: 3682.8/21

All: 40.267+/-0.102 χ^2/NDF: 7196.2/45

- sign 40.027+/-0.144 χ^2/NDF: 3507.8/23



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

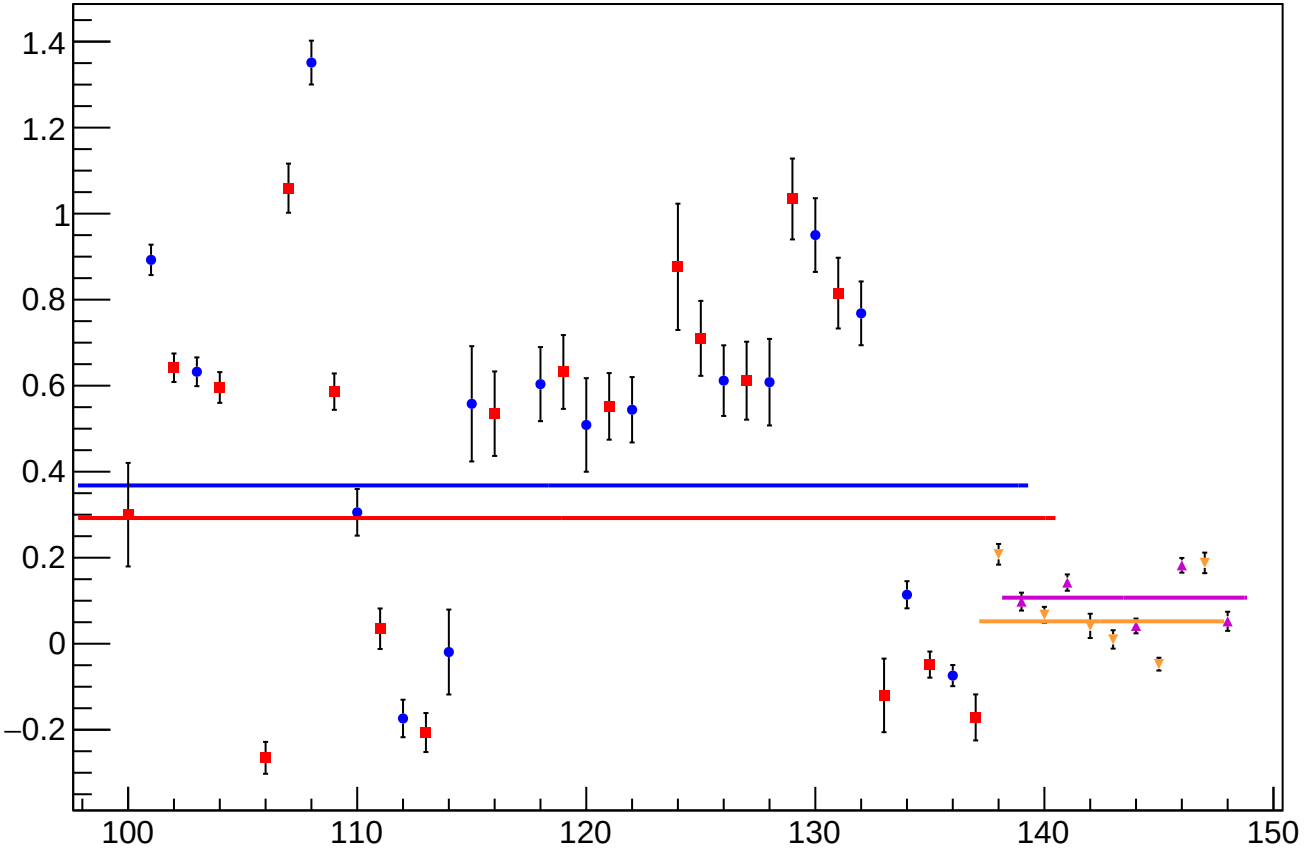
Left In: -33.215+/-0.170 χ^2/NDF:721.6/4

+ sign -37.192+/-0.138 χ^2/NDF: 5187.9/21

All: -36.915+/-0.097 χ^2/NDF: 9517.2/45

- sign -36.642+/-0.136 χ^2/NDF: 4321.3/23

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

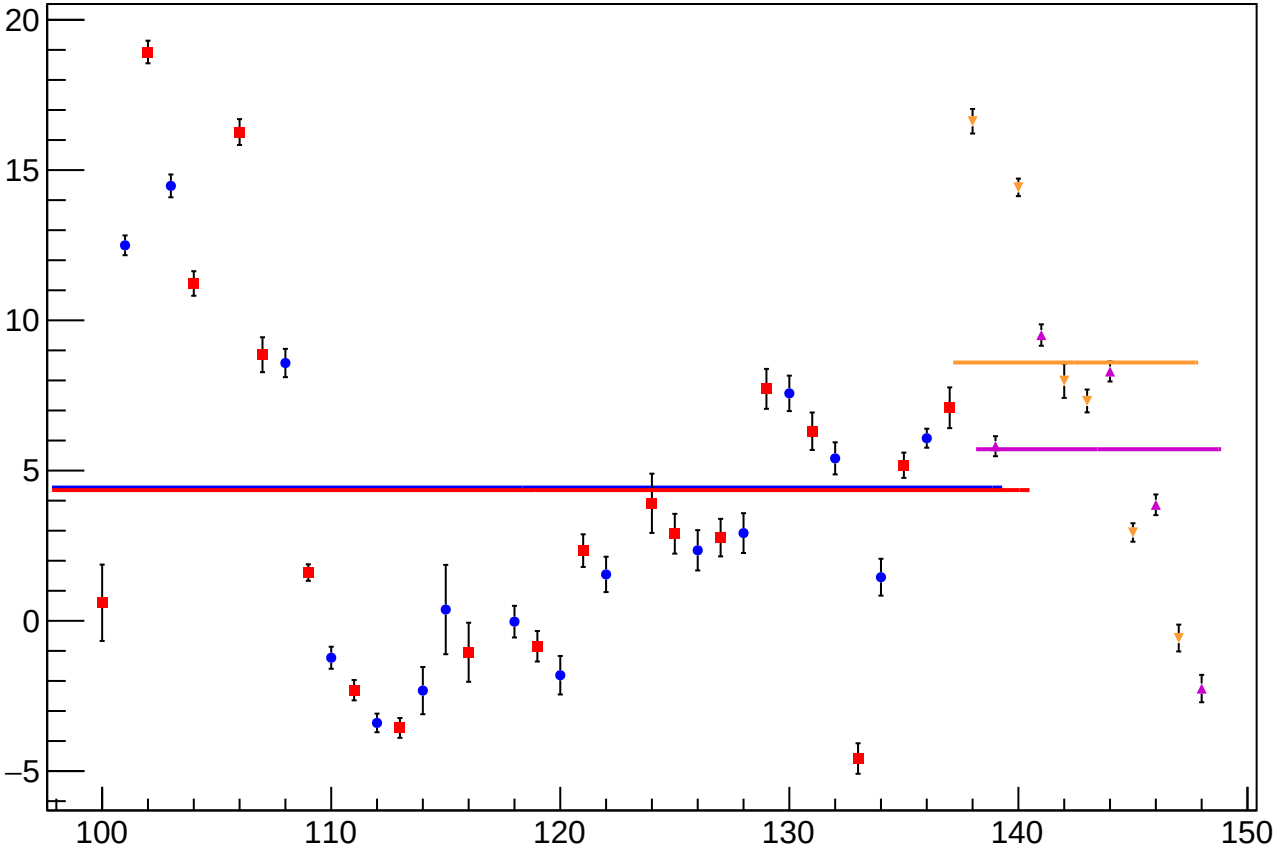
Left In: 0.107+/-0.008 χ^2/NDF:43.6/4

+ sign 0.153+/-0.007 χ^2/NDF: 1901.9/21

All: 0.160+/-0.005 χ^2/NDF: 3304.2/45

- sign 0.168+/-0.007 χ^2/NDF: 1399.8/23

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

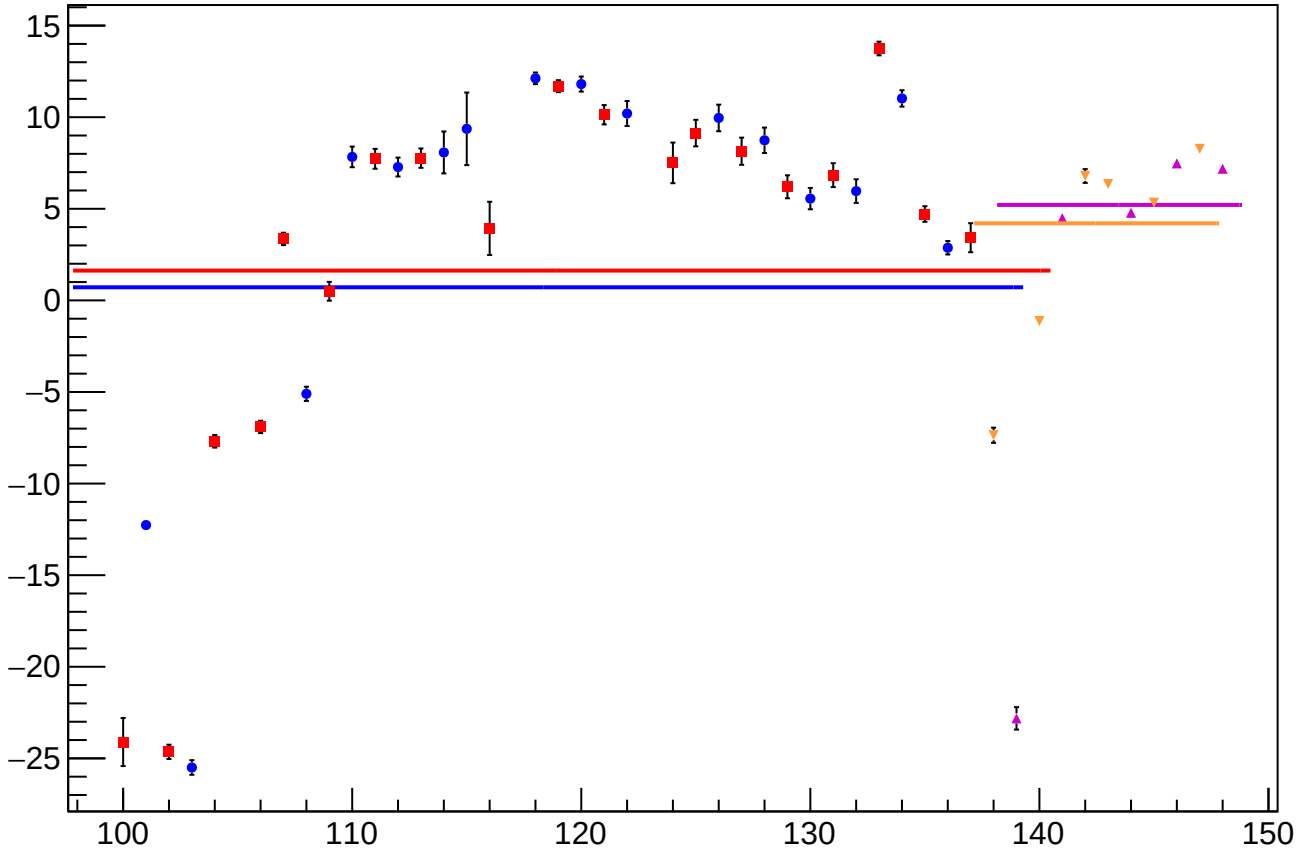
Left In: 5.711+/-0.160 χ^2/NDF:508.7/4

+ sign 5.984+/-0.093 χ^2/NDF: 4652.0/21

All: 5.367+/-0.065 χ^2/NDF: 9501.7/45

- sign 4.783+/-0.090 χ^2/NDF: 4763.3/23

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

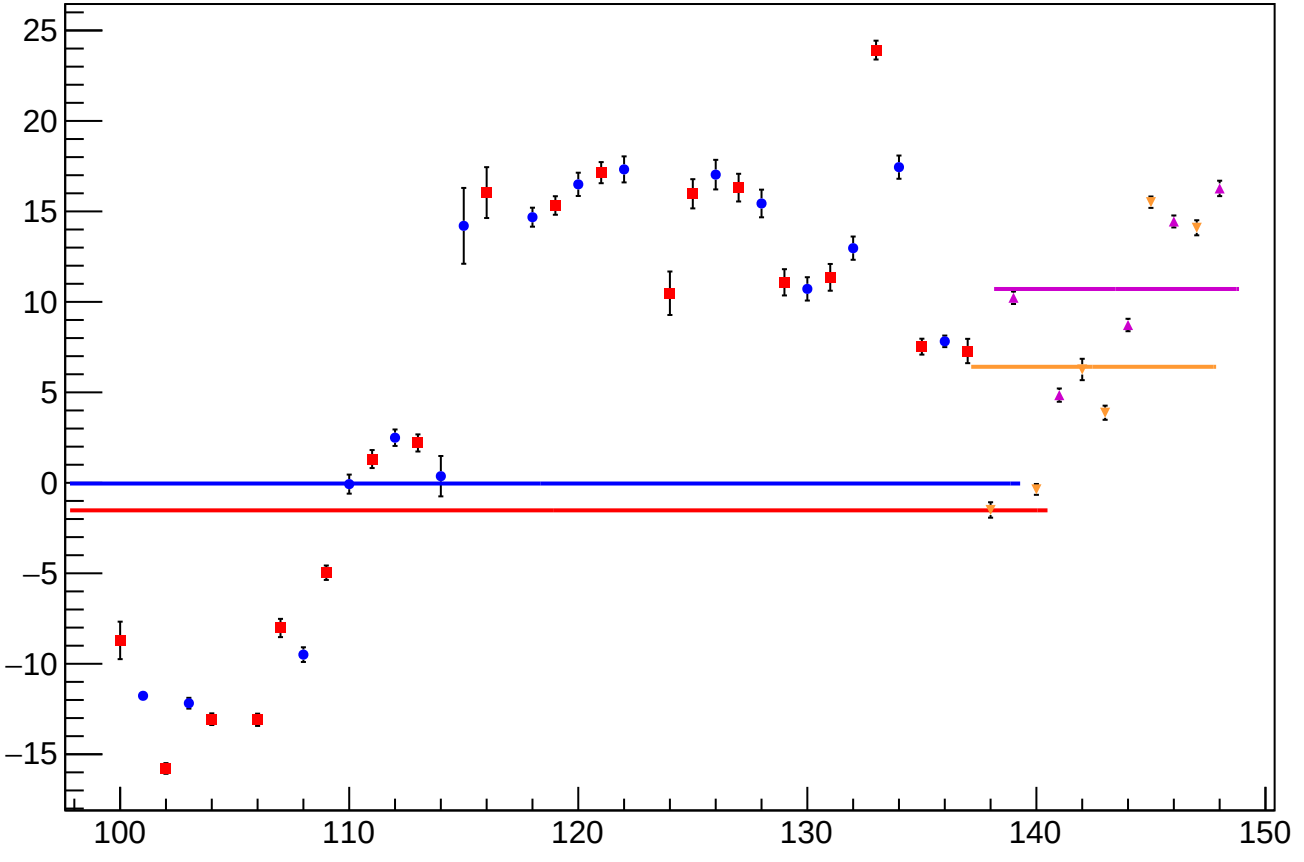
Left In: 5.210+/-0.114 χ^2/NDF:2306.5/4

+ sign 2.534+/-0.080 χ^2/NDF: 12689.5/21

All: 2.957+/-0.056 χ^2/NDF: 24813.9/45

- sign 3.372+/-0.080 χ^2/NDF: 12069.3/23

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

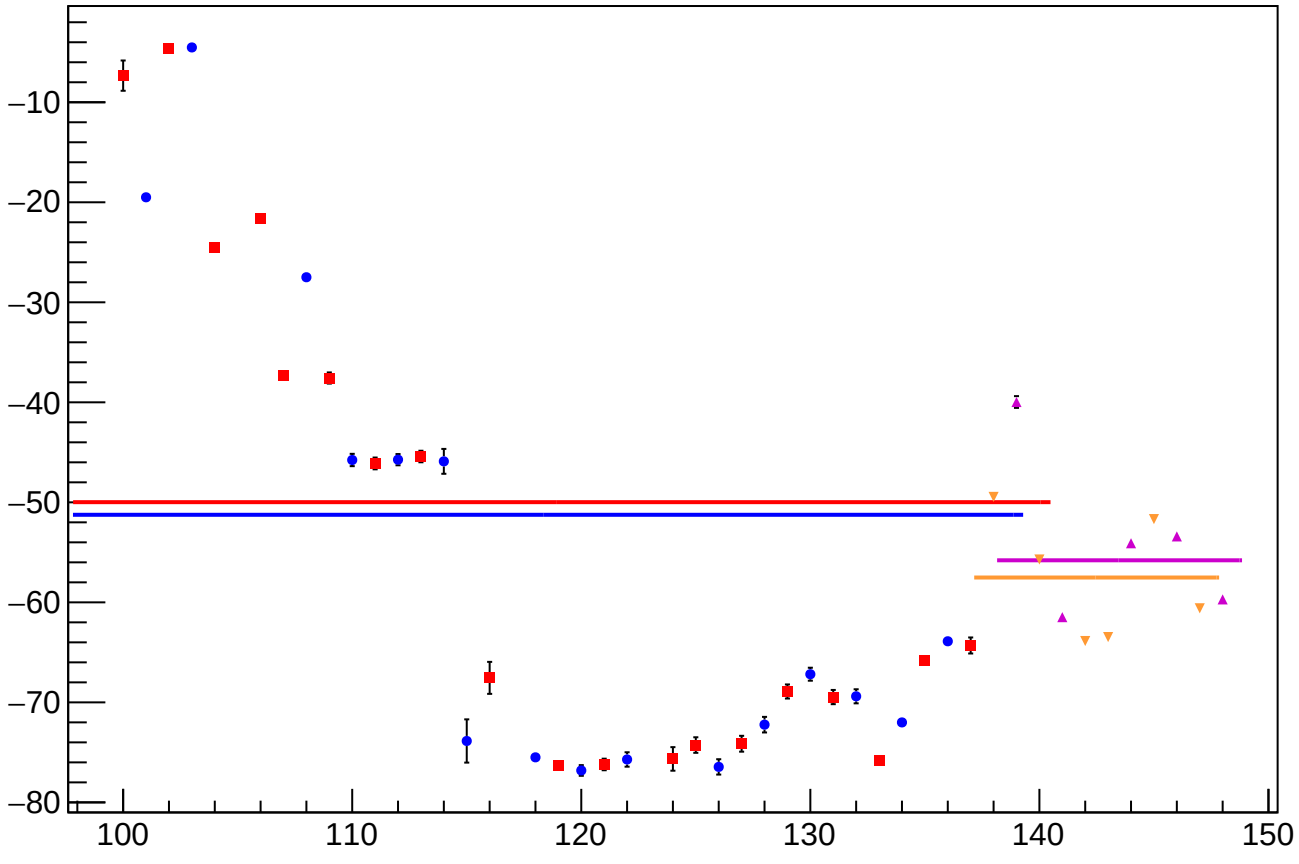
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.713+/-0.160 χ^2/NDF:589.3/4

+ sign 2.372+/-0.094 χ^2/NDF: 12435.6/21

All: 2.506+/-0.066 χ^2/NDF: 29000.0/45

- sign 2.637+/-0.094 χ^2/NDF: 16560.4/23



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.518+/-0.135 χ^2/NDF:1381.7/5

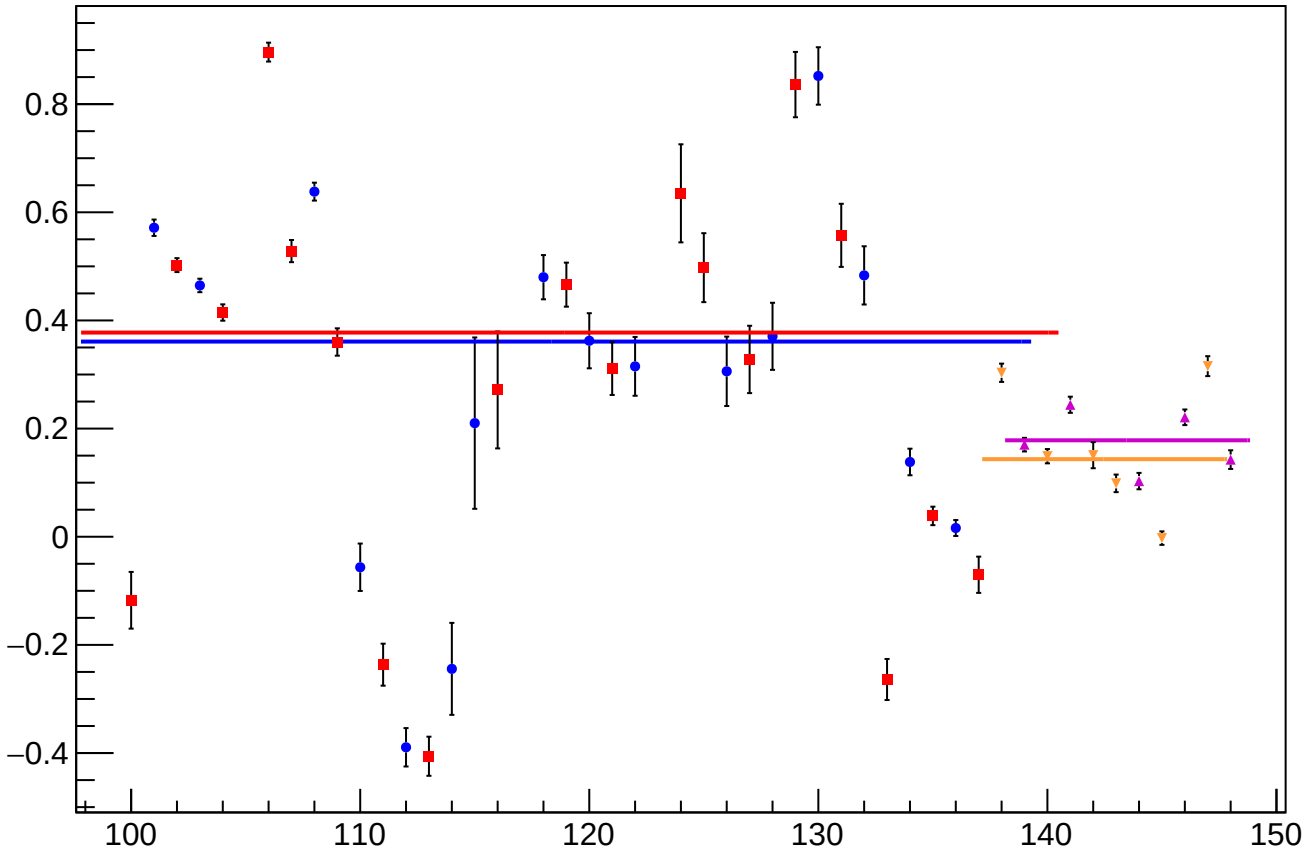
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.796+/-0.140 χ^2/NDF:1346.4/4

\+ sign -54.391+/-0.096 χ^2/NDF: 36217.2/21

All: -53.537+/-0.068 χ^2/NDF: 72535.2/45

\- sign -52.688+/-0.096 χ^2/NDF: 36159.7/23



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

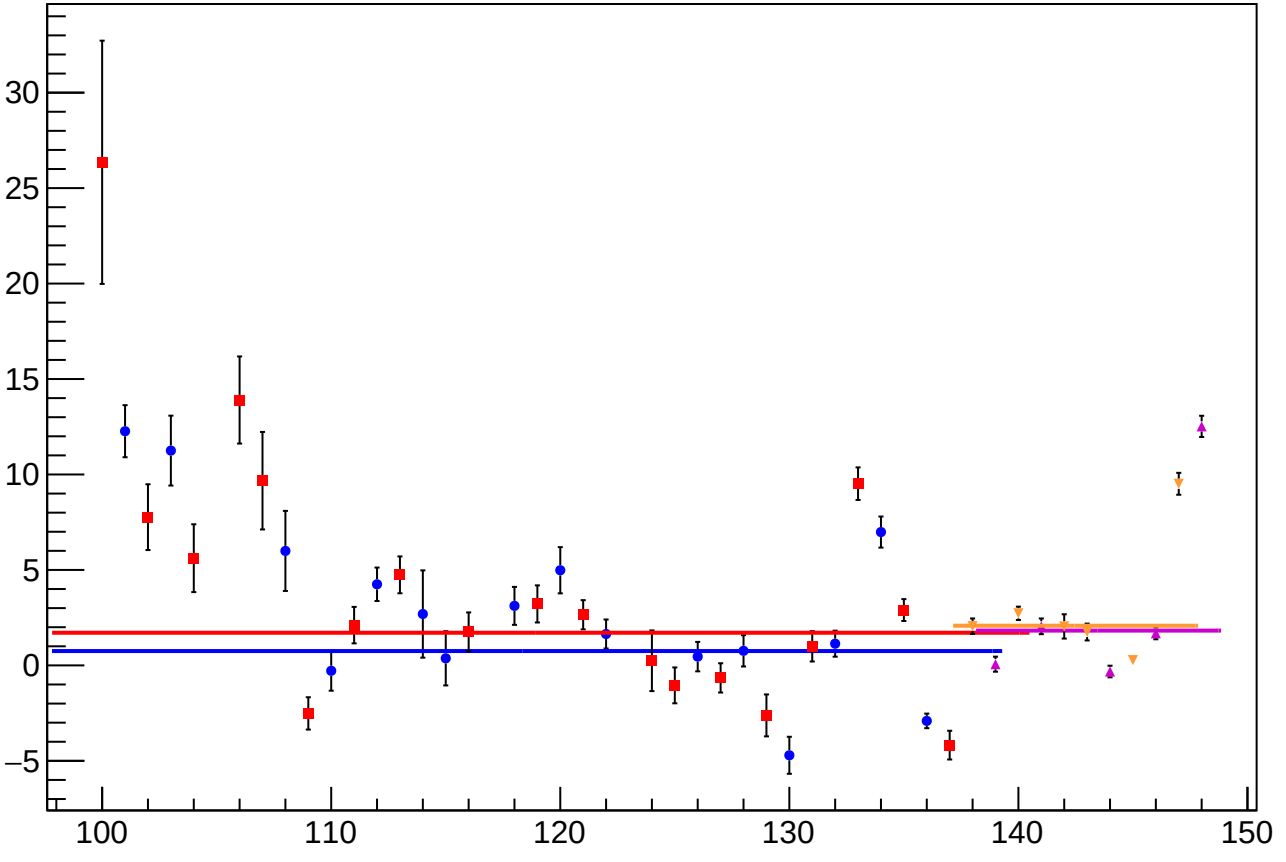
Left In: 0.178+/-0.007 χ^2/NDF:57.6/4

\+ sign 0.253+/-0.005 χ^2/NDF: 2758.5/21

All: 0.269+/-0.003 χ^2/NDF: 6125.4/45

\- sign 0.285+/-0.004 χ^2/NDF: 3342.7/23

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

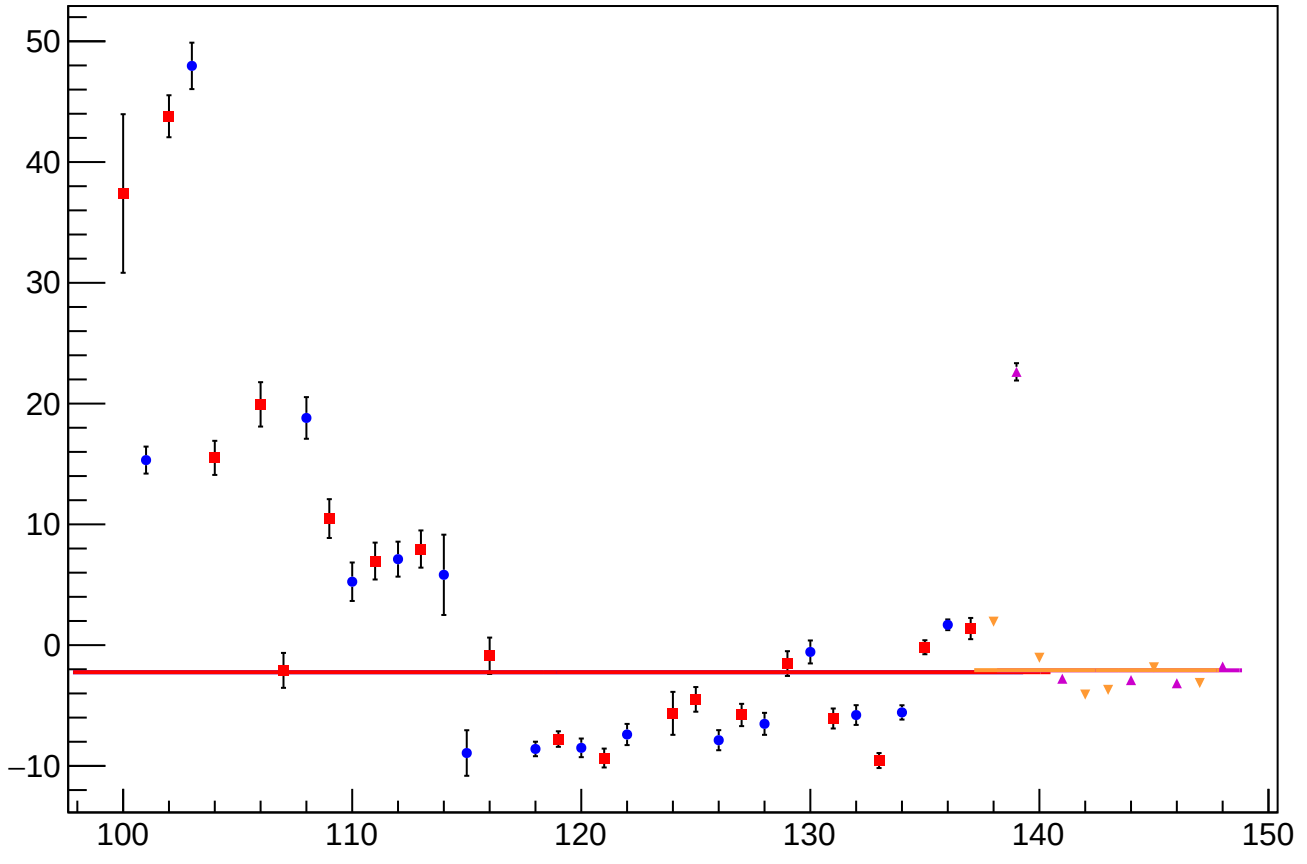
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.822+/-0.165 χ^2/NDF:439.2/4

+ sign 1.600+/-0.128 χ^2/NDF: 574.0/21

All: 1.687+/-0.092 χ^2/NDF: 1308.2/45

- sign 1.783+/-0.133 χ^2/NDF: 733.2/23



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

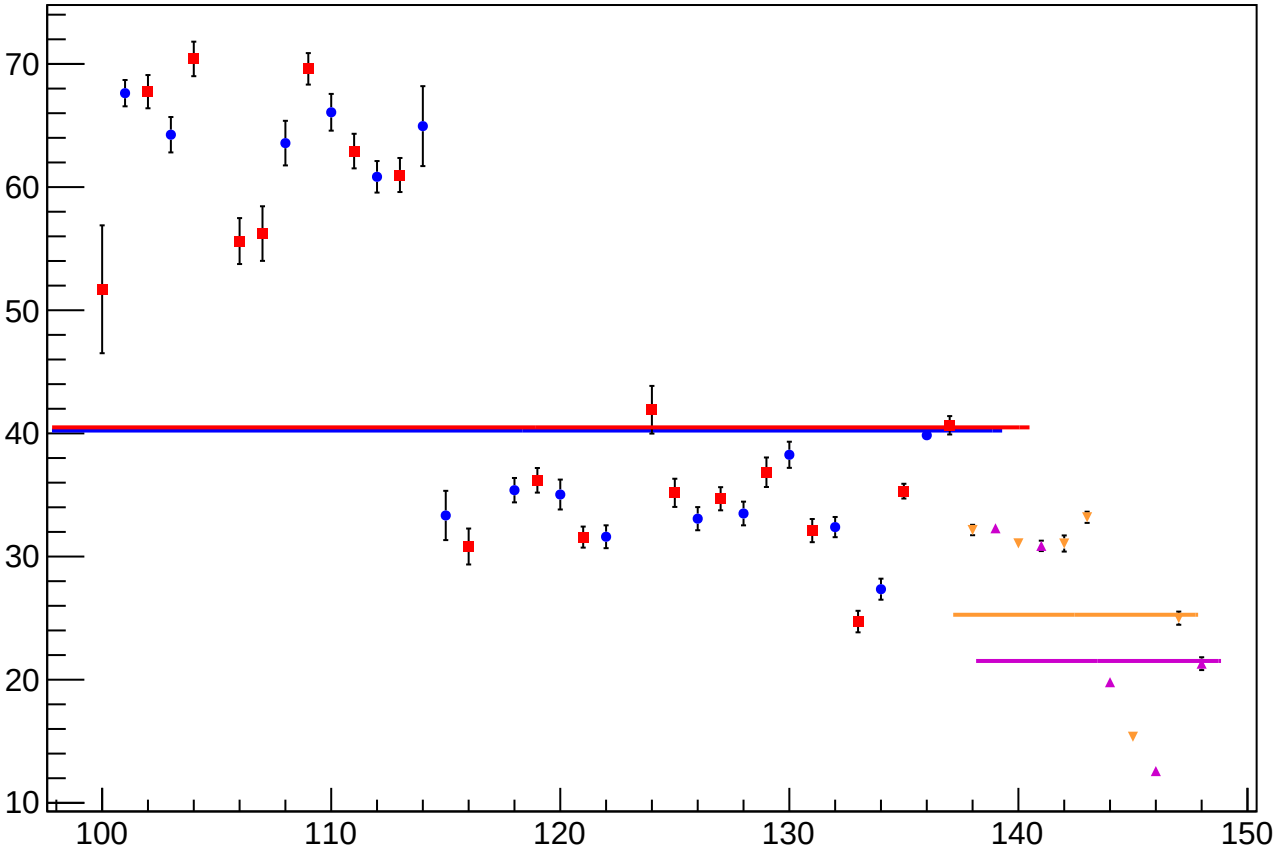
Left In: -2.086+/-0.116 χ^2/NDF:1235.2/4

+ sign -2.113+/-0.105 χ^2/NDF: 1755.3/21

All: -2.116+/-0.074 χ^2/NDF: 4546.5/45

- sign -2.118+/-0.104 χ^2/NDF: 2791.2/23

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

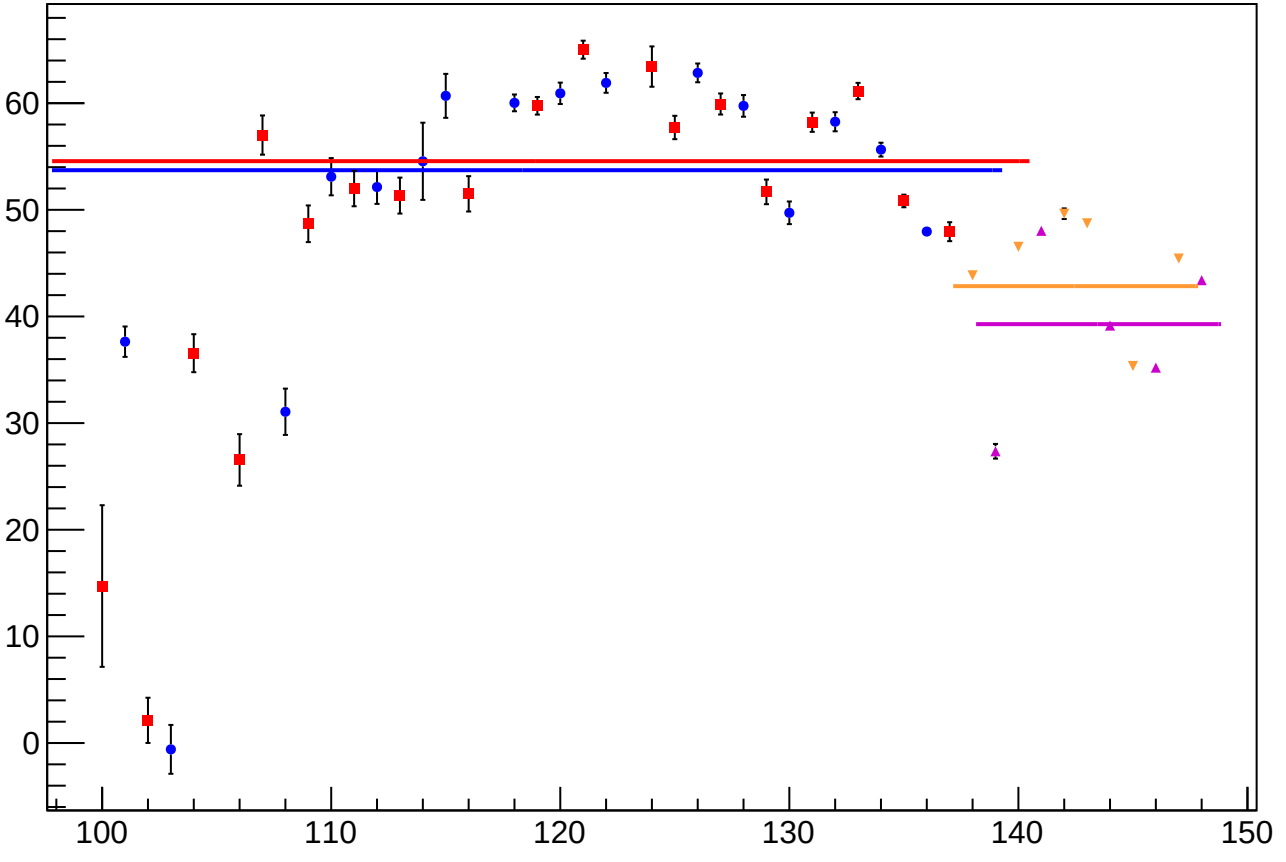
Left In: 21.522+/-0.166 χ^2/NDF:2087.0/4

+ sign 30.242+/-0.133 χ^2/NDF: 7316.4/21

All: 28.828+/-0.096 χ^2/NDF: 16321.9/45

- sign 27.307+/-0.138 χ^2/NDF: 8772.2/23

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.842+/-0.144 χ^2/NDF:1518.1/5

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

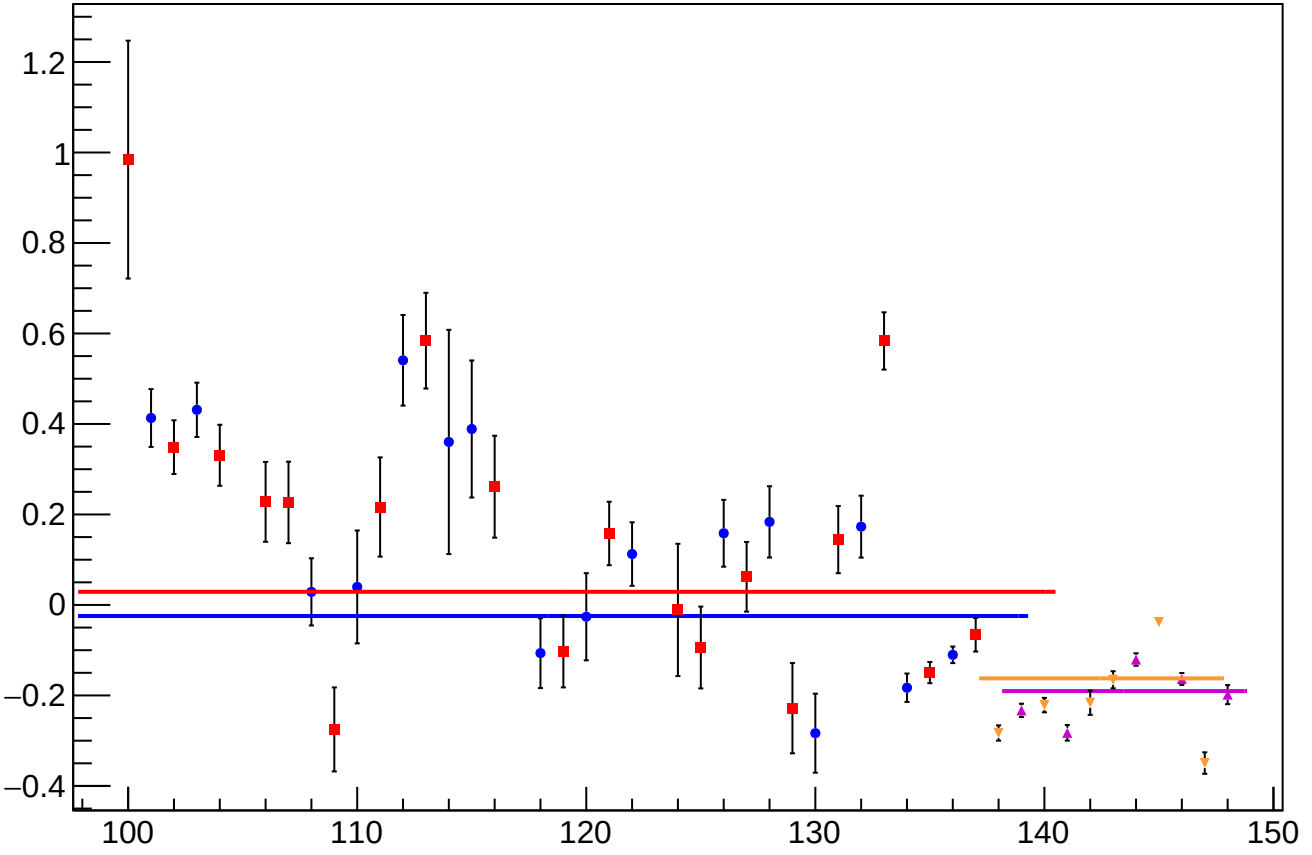
Left In: 39.279+/-0.142 χ^2/NDF:1319.2/4

+ sign 45.743+/-0.123 χ^2/NDF: 4398.2/21

All: 44.327+/-0.088 χ^2/NDF: 10046.1/45

- sign 42.888+/-0.124 χ^2/NDF: 5382.7/23

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

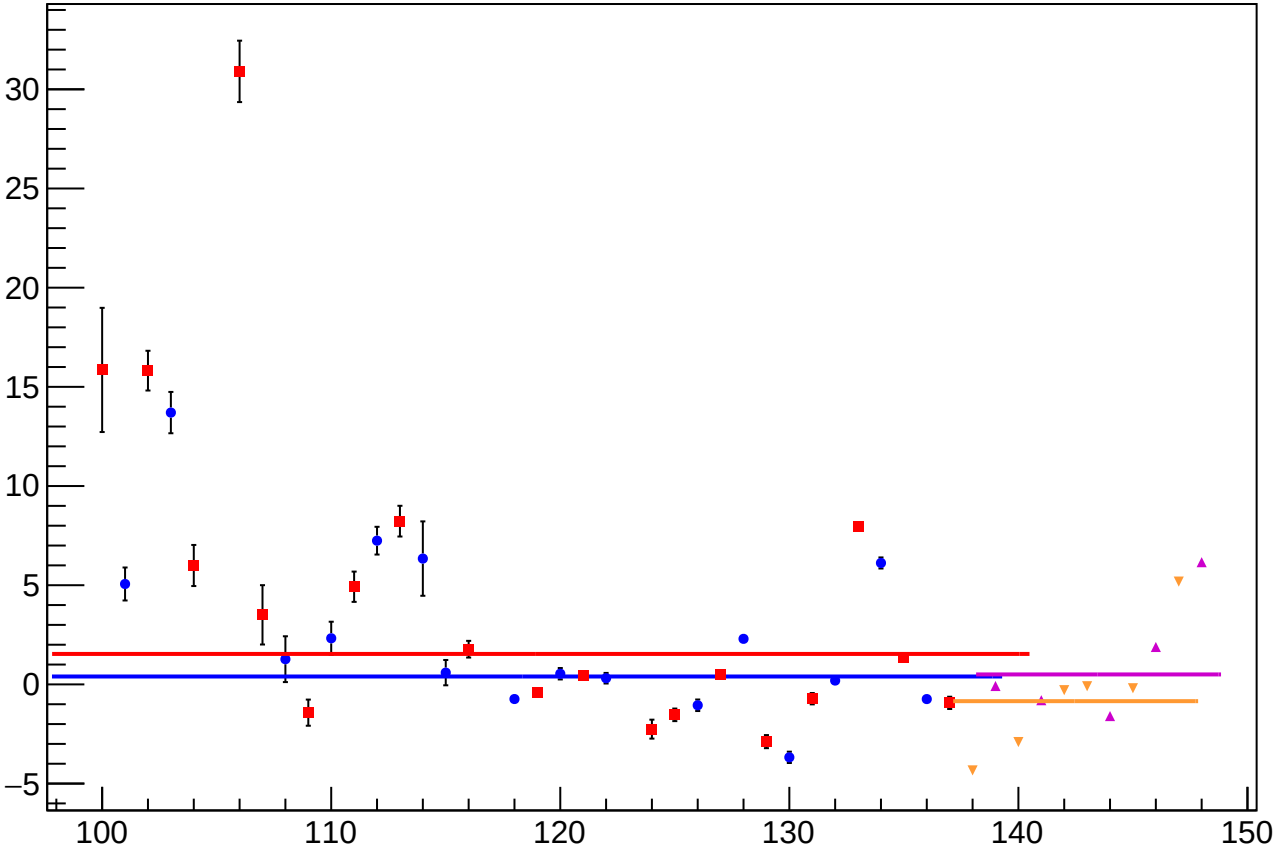
Left In: -0.190+/-0.007 χ^2/NDF:66.9/4

+ sign -0.132+/-0.006 χ^2/NDF: 584.6/21

All: -0.140+/-0.004 χ^2/NDF: 1124.3/45

- sign -0.149+/-0.006 χ^2/NDF: 535.9/23

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

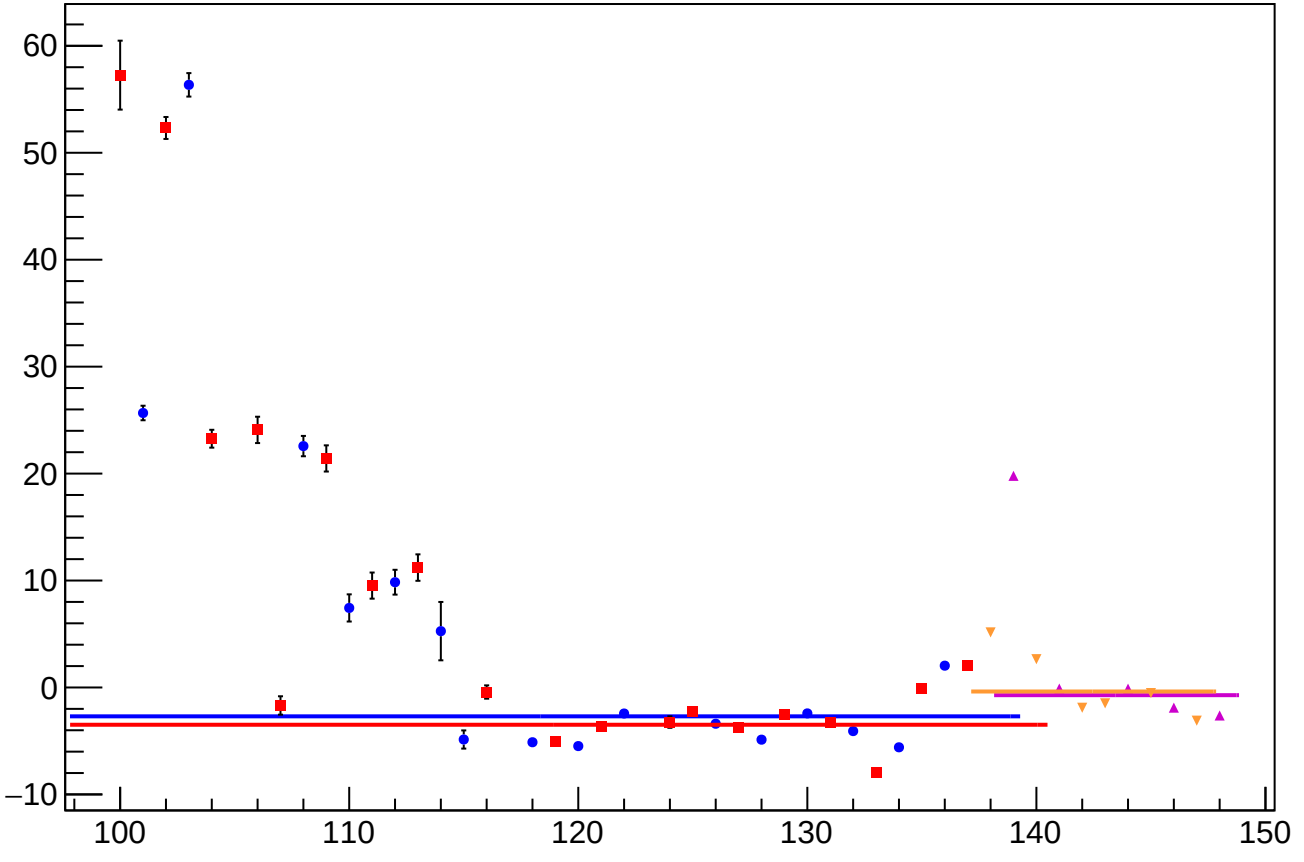
Left In: 0.502+/-0.059 χ^2/NDF:1453.0/4

+ sign -0.387+/-0.047 χ^2/NDF: 2956.4/21

All: 0.241+/-0.033 χ^2/NDF: 7294.6/45

- sign 0.877+/-0.047 χ^2/NDF: 3975.5/23

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

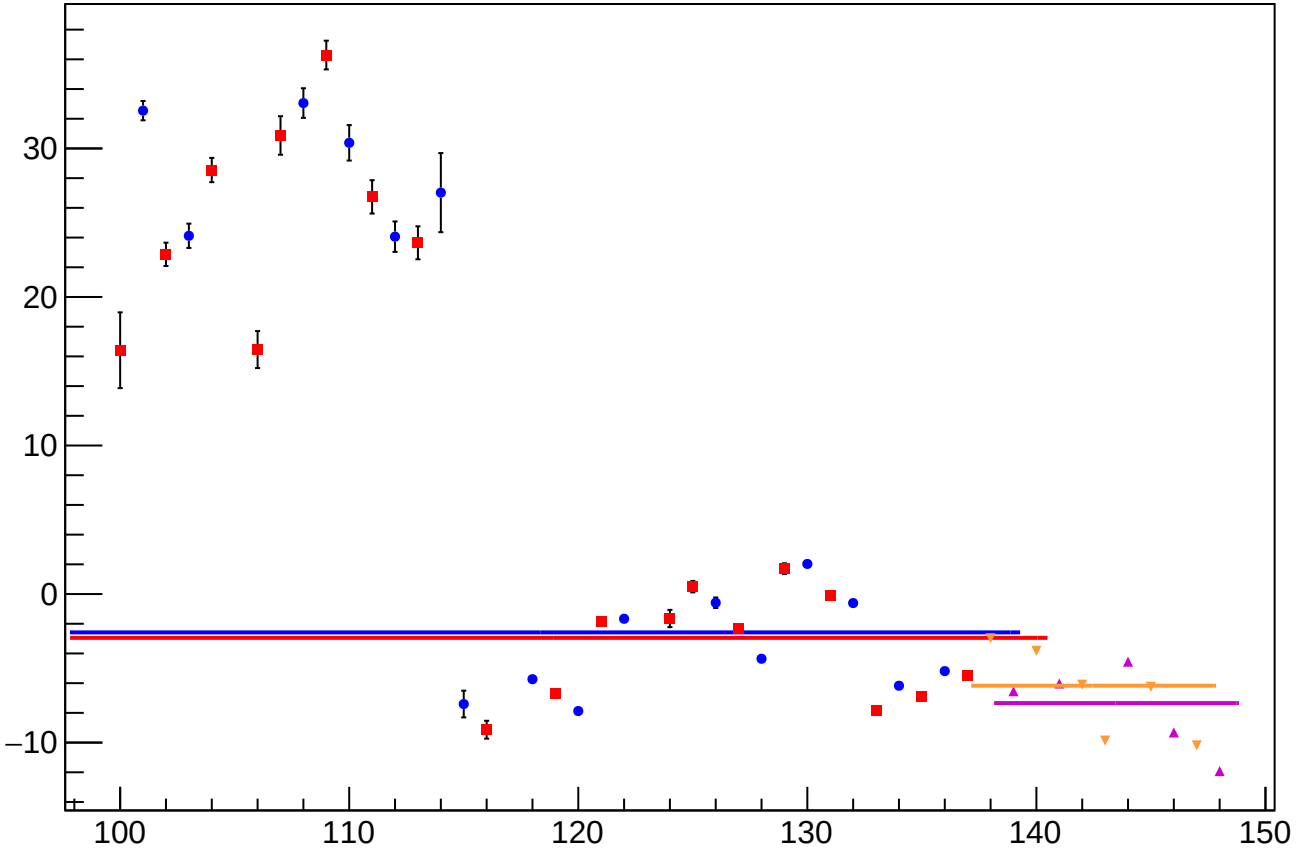
Left In: -0.720+/-0.042 χ^2/NDF:7286.6/4

+ sign -1.026+/-0.037 χ^2/NDF: 10858.9/21

All: -1.237+/-0.026 χ^2/NDF: 26497.8/45

- sign -1.433+/-0.036 χ^2/NDF: 15577.4/23

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

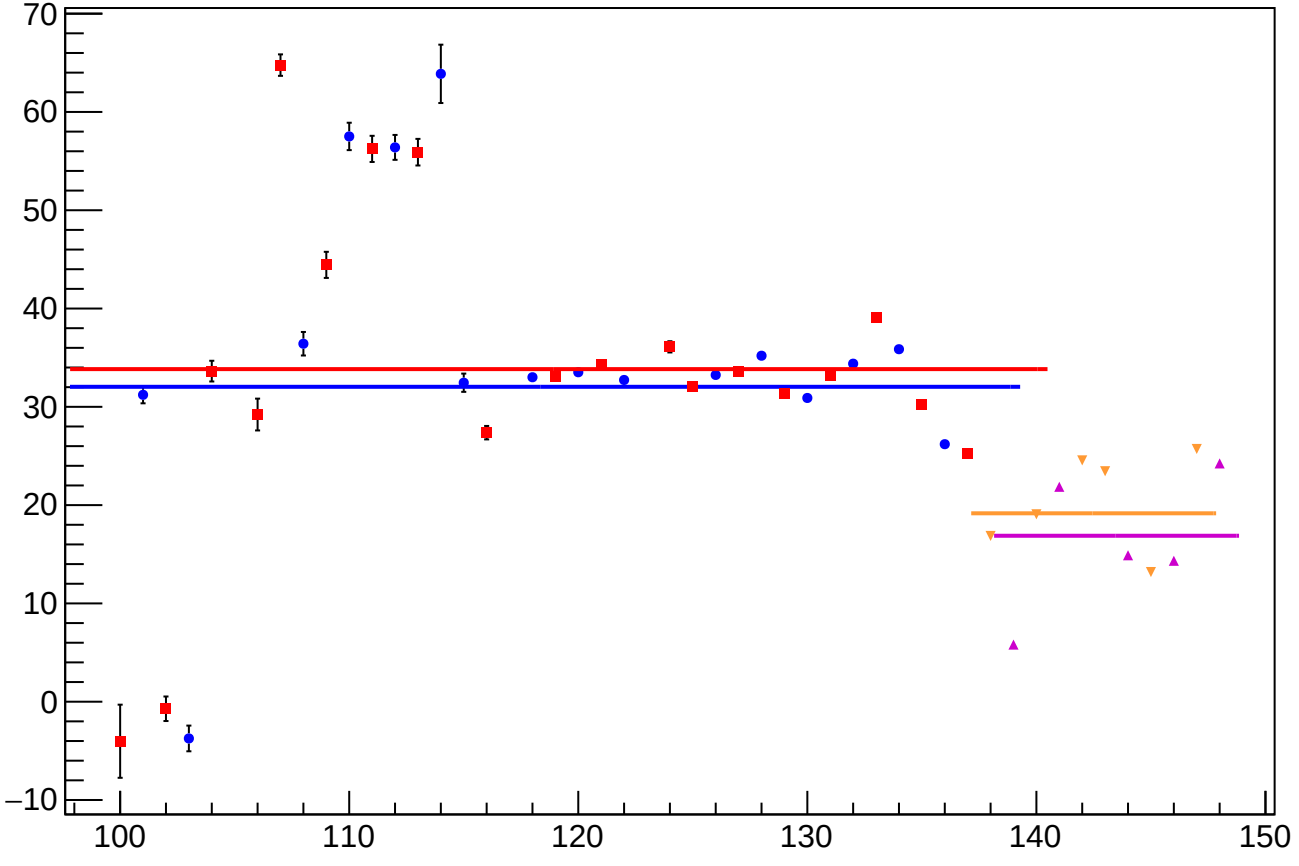
Left In: -7.341+/-0.059 χ^2/NDF:1669.0/4

+ sign -4.939+/-0.049 χ^2/NDF: 11002.8/21

All: -5.424+/-0.034 χ^2/NDF: 22867.6/45

- sign -5.907+/-0.049 χ^2/NDF: 11666.6/23

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

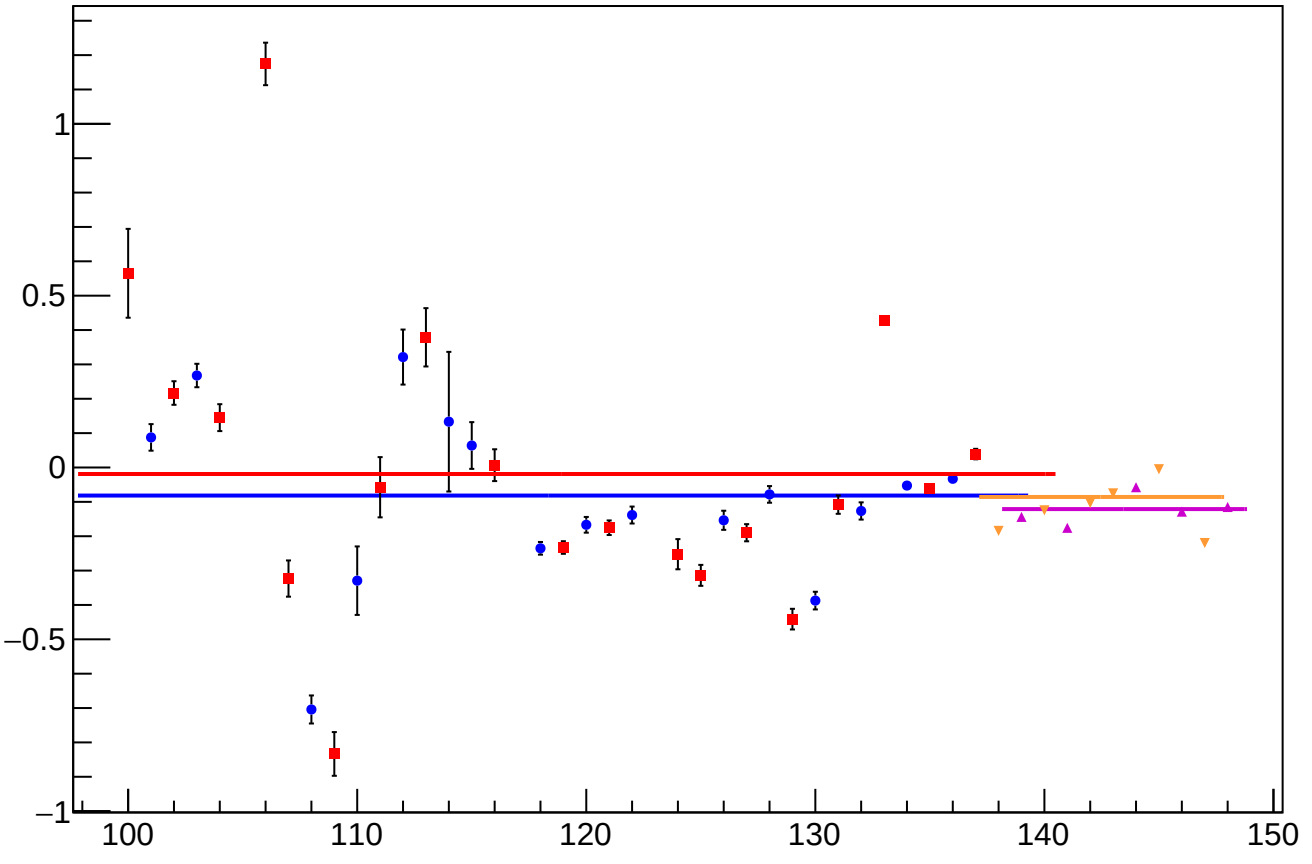
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 16.883+/-0.051 χ^2/NDF:8154.6/4

+ sign 23.017+/-0.044 χ^2/NDF: 29680.5/21

All: 22.313+/-0.031 χ^2/NDF: 73587.5/45

- sign 21.646+/-0.043 χ^2/NDF: 43418.9/23



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.086+/-0.002 χ^2/NDF:933.4/5

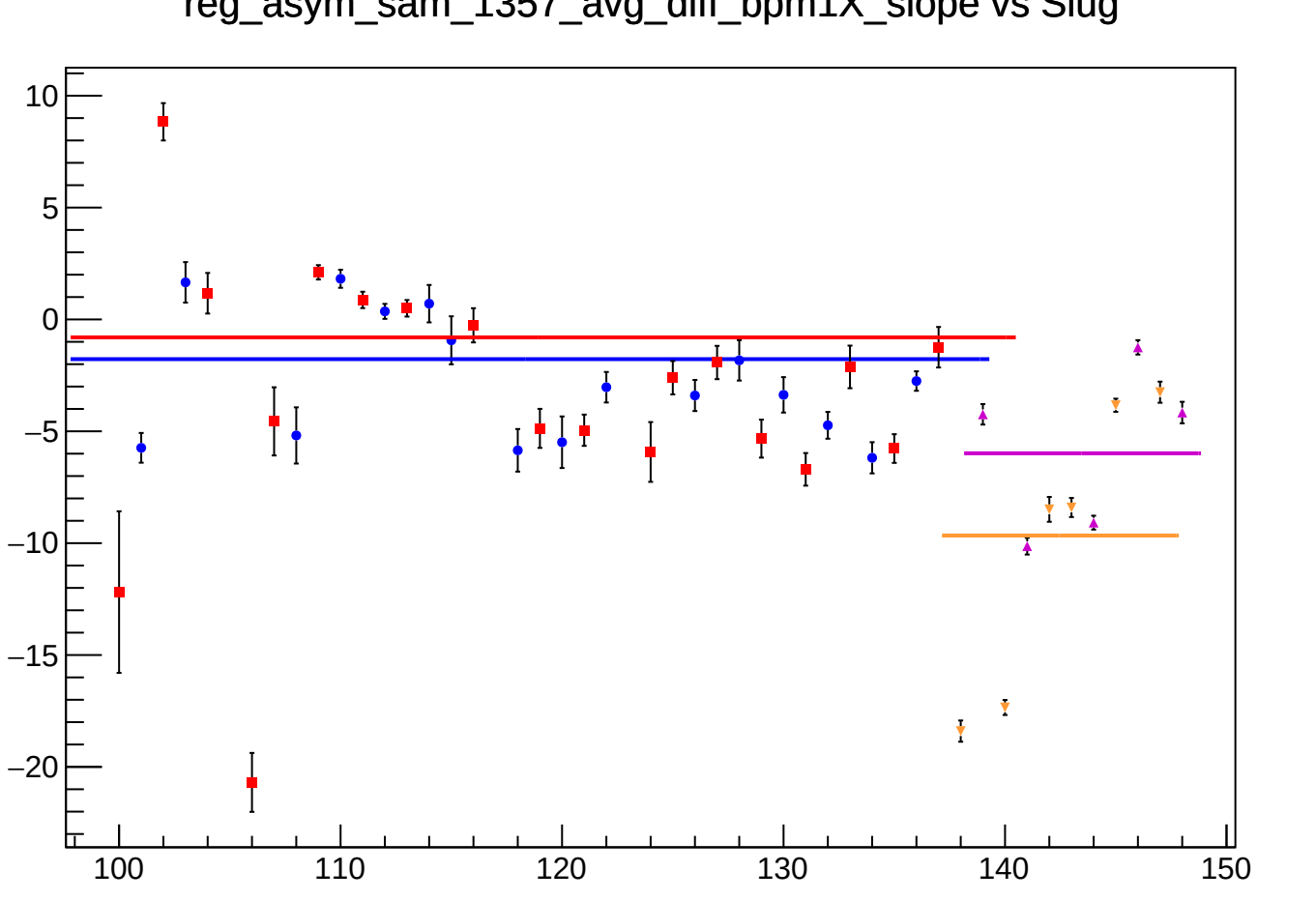
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.121+/-0.002 χ^2/NDF:261.2/4

+ sign -0.085+/-0.002 χ^2/NDF: 1623.2/21

All: -0.094+/-0.002 χ^2/NDF: 4504.9/45

- sign -0.102+/-0.002 χ^2/NDF: 2850.2/23



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

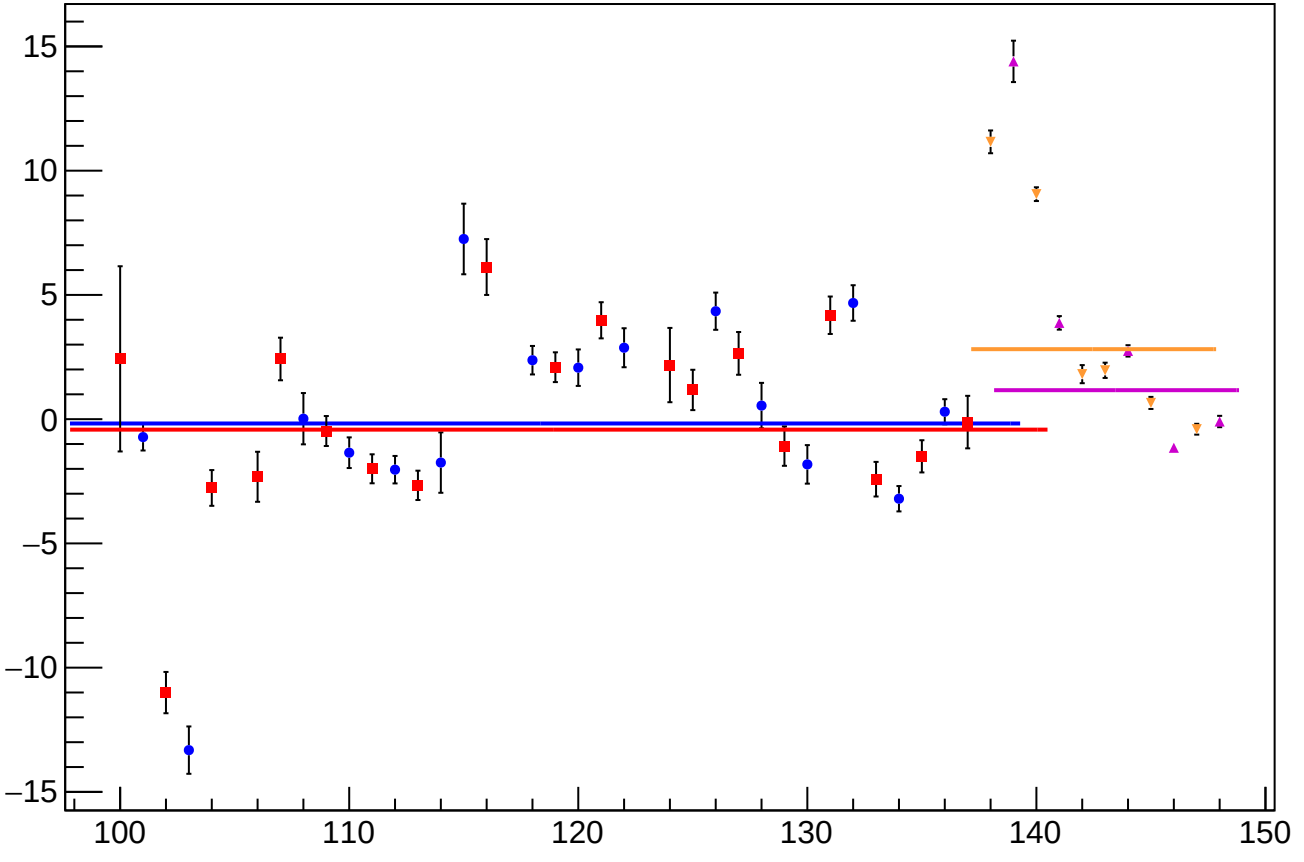
Left In: -5.983+/-0.166 χ^2/NDF:466.7/4

+ sign -5.600+/-0.113 χ^2/NDF: 2975.2/21

All: -4.327+/-0.079 χ^2/NDF: 4967.1/45

- sign -3.100+/-0.111 χ^2/NDF: 1741.3/23

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

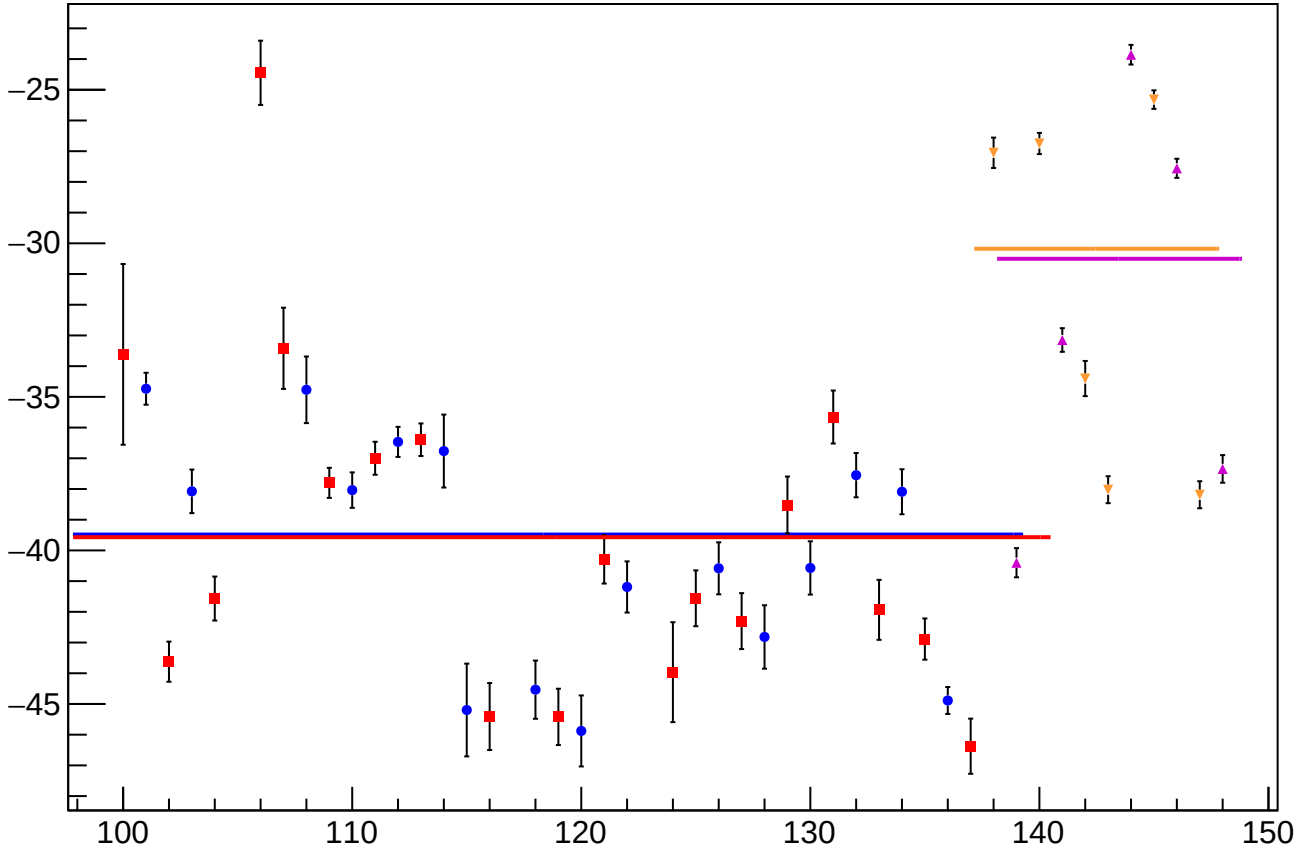
Left In: 1.166+/-0.112 χ^2/NDF:571.2/4

+ sign 1.886+/-0.097 χ^2/NDF: 1761.0/21

All: 1.288+/-0.068 χ^2/NDF: 2831.1/45

- sign 0.713+/-0.095 χ^2/NDF: 994.8/23

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

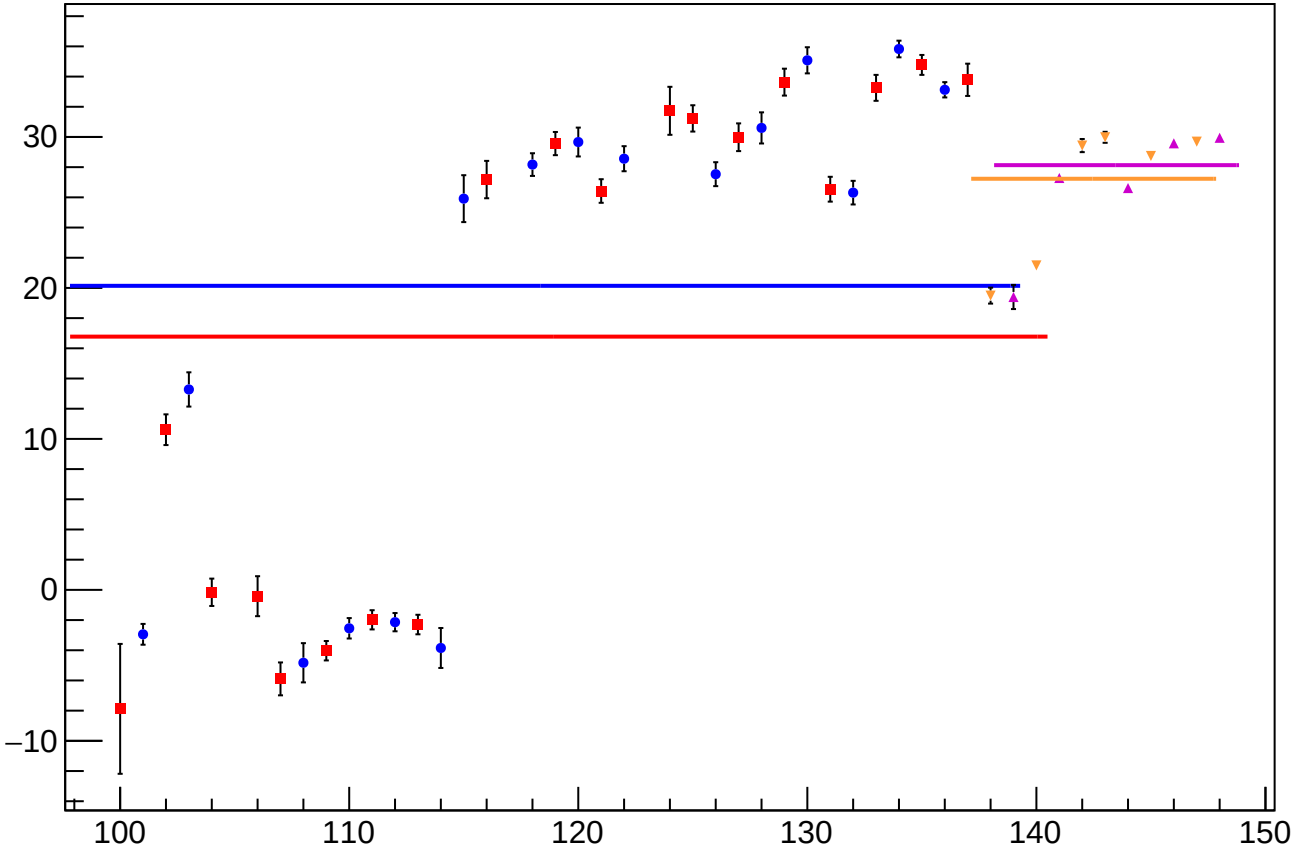
Left In: -30.503+/-0.166 χ^2/NDF:1233.6/4

+ sign -34.411+/-0.122 χ^2/NDF: 2966.4/21

All: -34.528+/-0.086 χ^2/NDF: 6117.8/45

- sign -34.648+/-0.122 χ^2/NDF: 3149.5/23

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

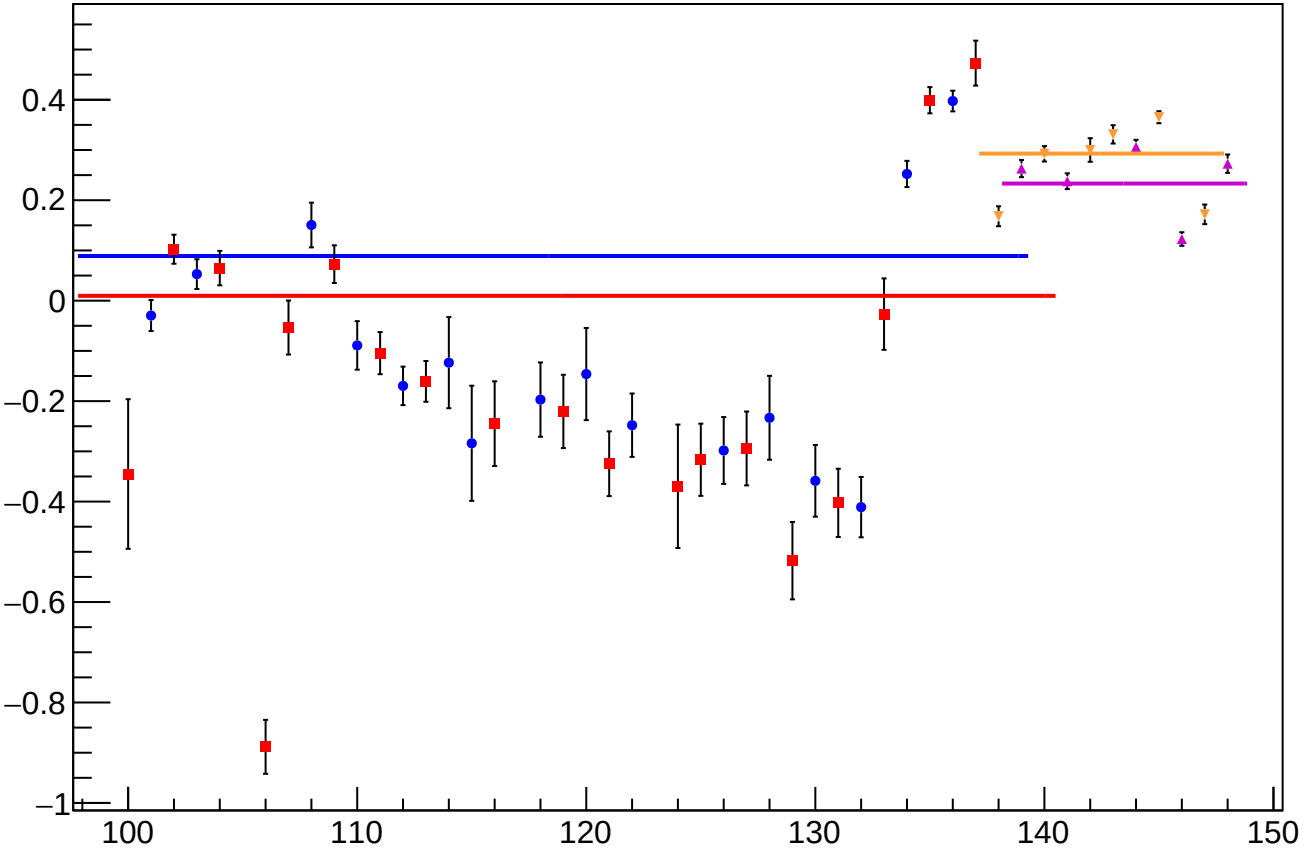
Left In: 28.133+/-0.139 χ^2/NDF:226.4/4

\+ sign 24.771+/-0.115 χ^2/NDF: 8242.6/21

All: 24.601+/-0.081 χ^2/NDF: 17393.5/45

\- sign 24.434+/-0.114 χ^2/NDF: 9146.6/23

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

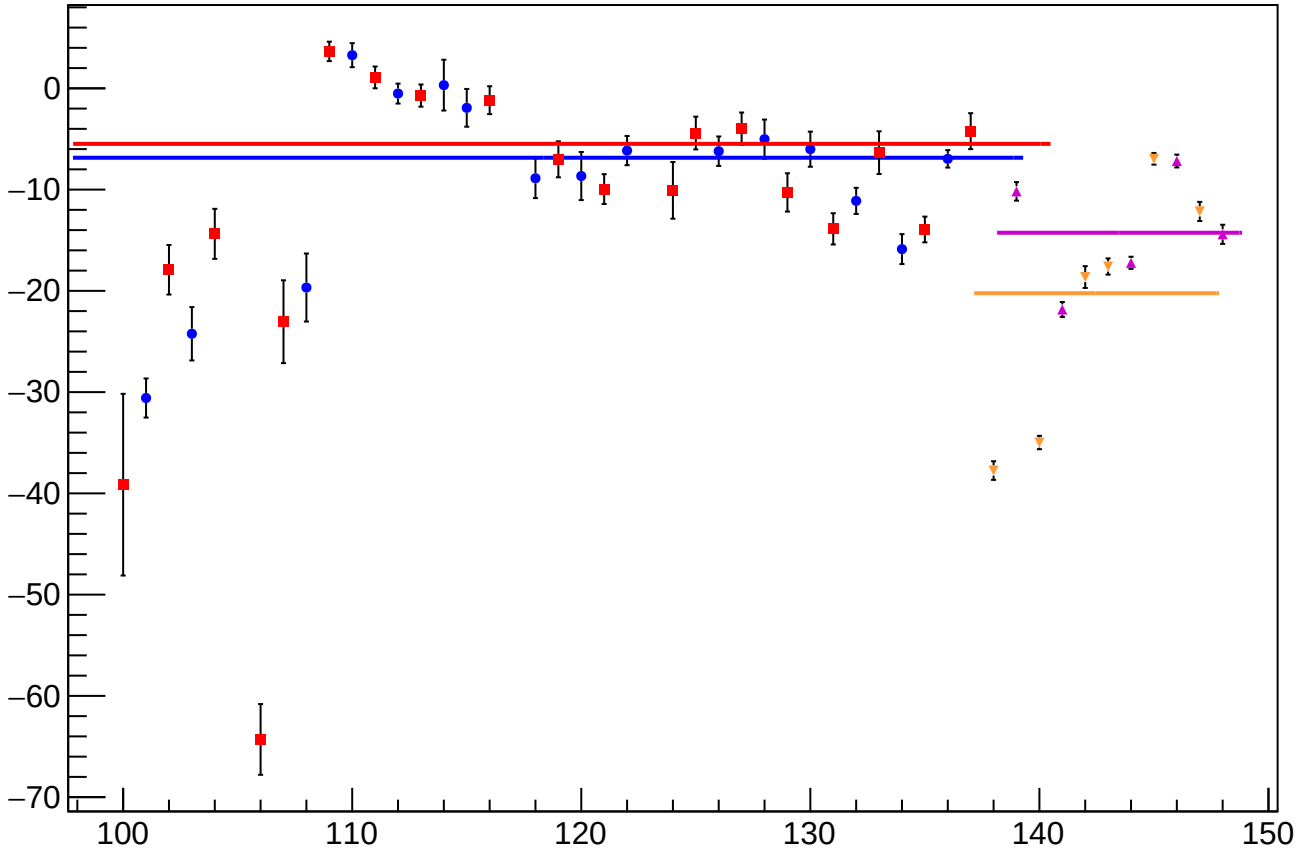
Left In: 0.233+/-0.007 χ^2/NDF:101.2/4

+ sign 0.231+/-0.006 χ^2/NDF: 950.5/21

All: 0.201+/-0.004 χ^2/NDF: 2237.6/45

- sign 0.170+/-0.006 χ^2/NDF: 1231.5/23

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

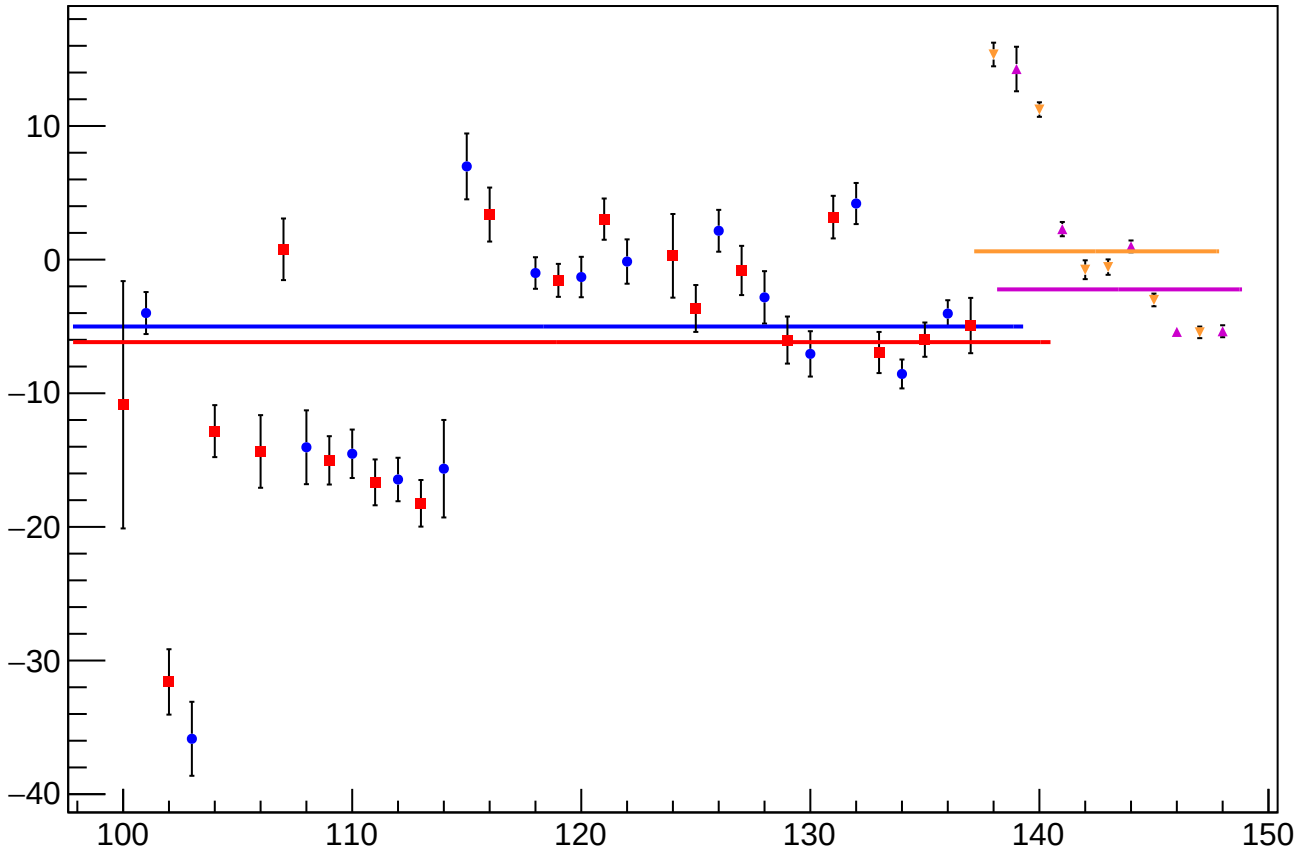
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.260+/-0.326 χ^2/NDF:275.2/4

+ sign -14.692+/-0.242 χ^2/NDF: 2611.7/21

All: -12.575+/-0.172 χ^2/NDF: 3966.3/45

- sign -10.414+/-0.244 χ^2/NDF: 1199.6/23



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

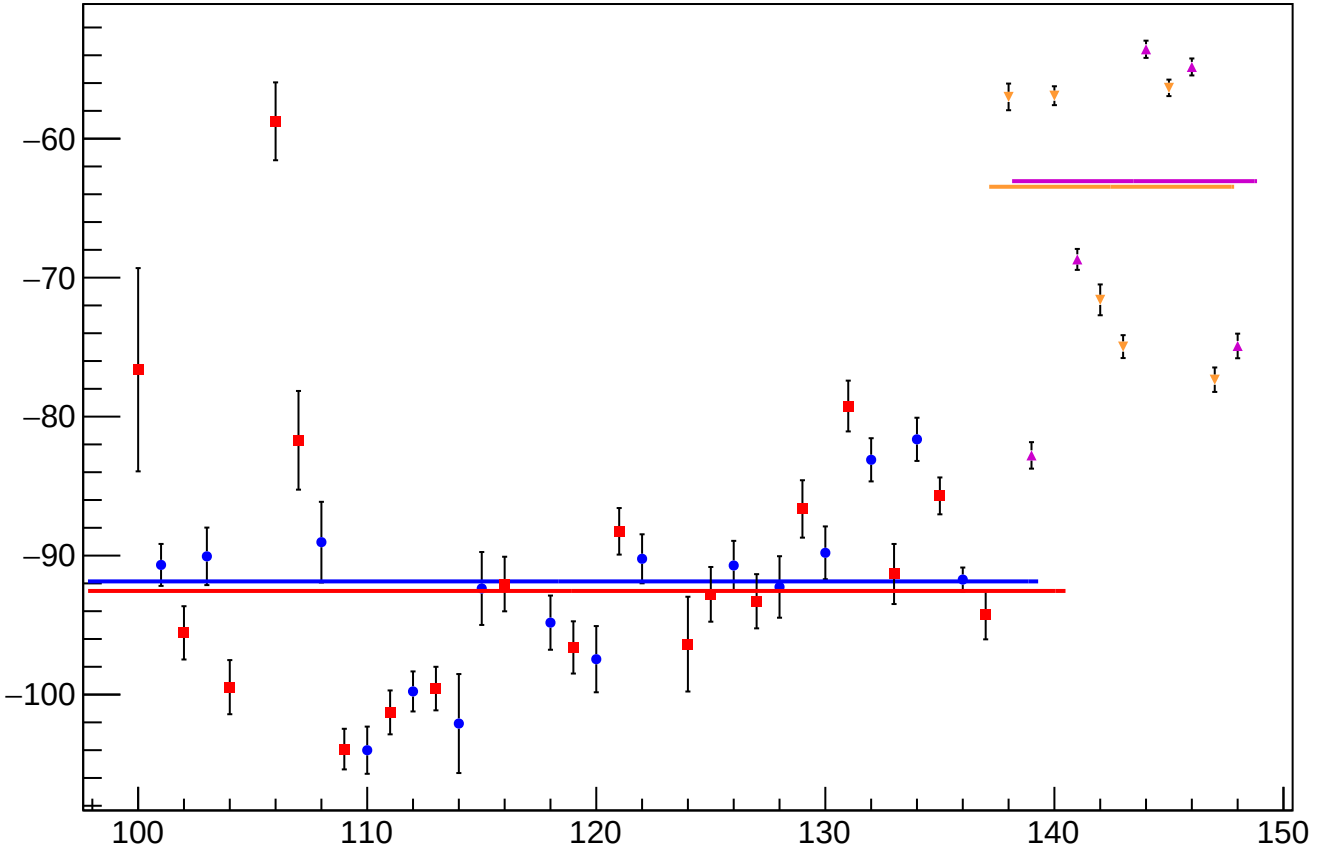
Left In: -2.227+/-0.218 χ^2/NDF:342.6/4

+ sign -0.774+/-0.197 χ^2/NDF: 1412.8/21

All: -1.947+/-0.138 χ^2/NDF: 2264.6/45

- sign -3.076+/-0.193 χ^2/NDF: 782.2/23

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

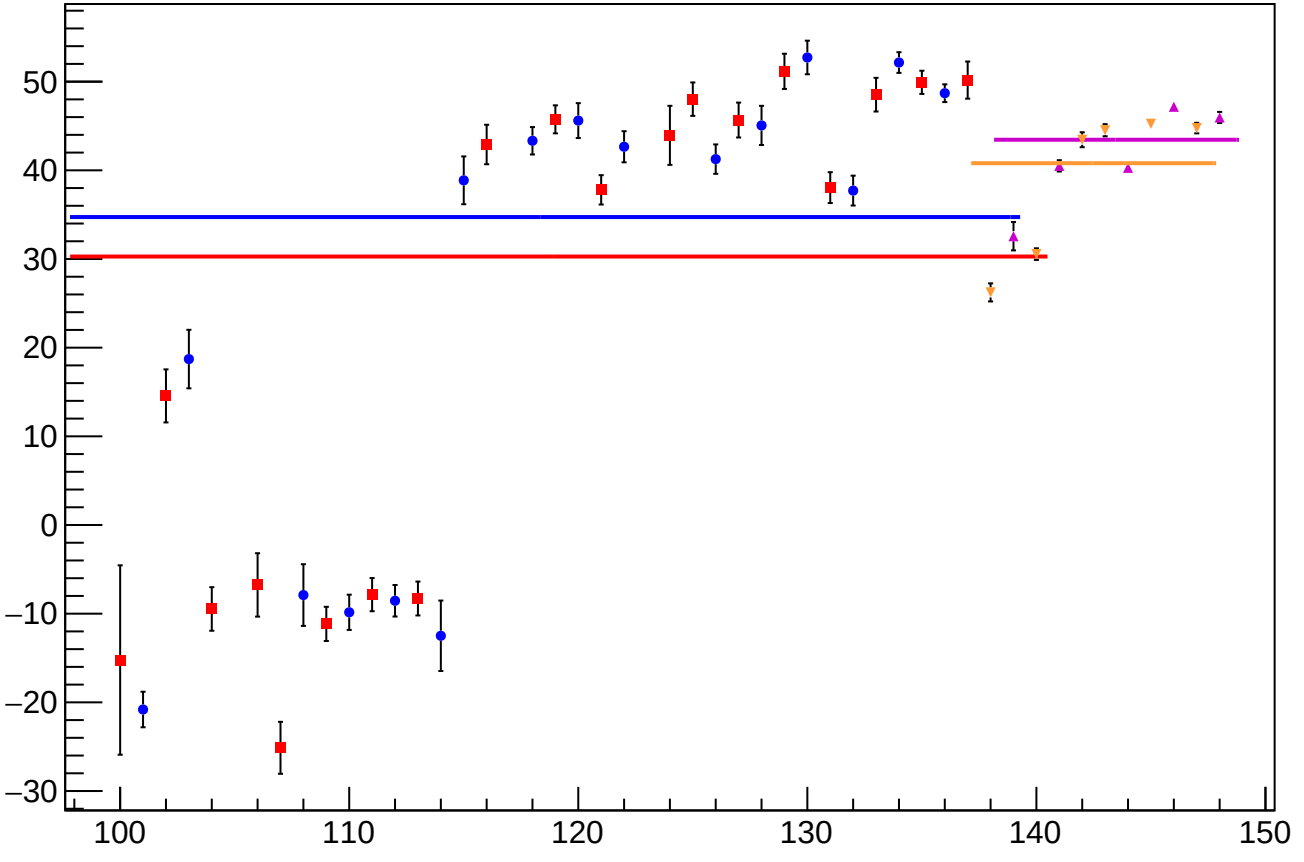
Left In: -63.058+/-0.326 χ^2/NDF:1079.8/4

+ sign -73.824+/-0.256 χ^2/NDF: 3805.0/21

All: -73.675+/-0.183 χ^2/NDF: 8180.7/45

- sign -73.520+/-0.262 χ^2/NDF: 4375.0/23

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

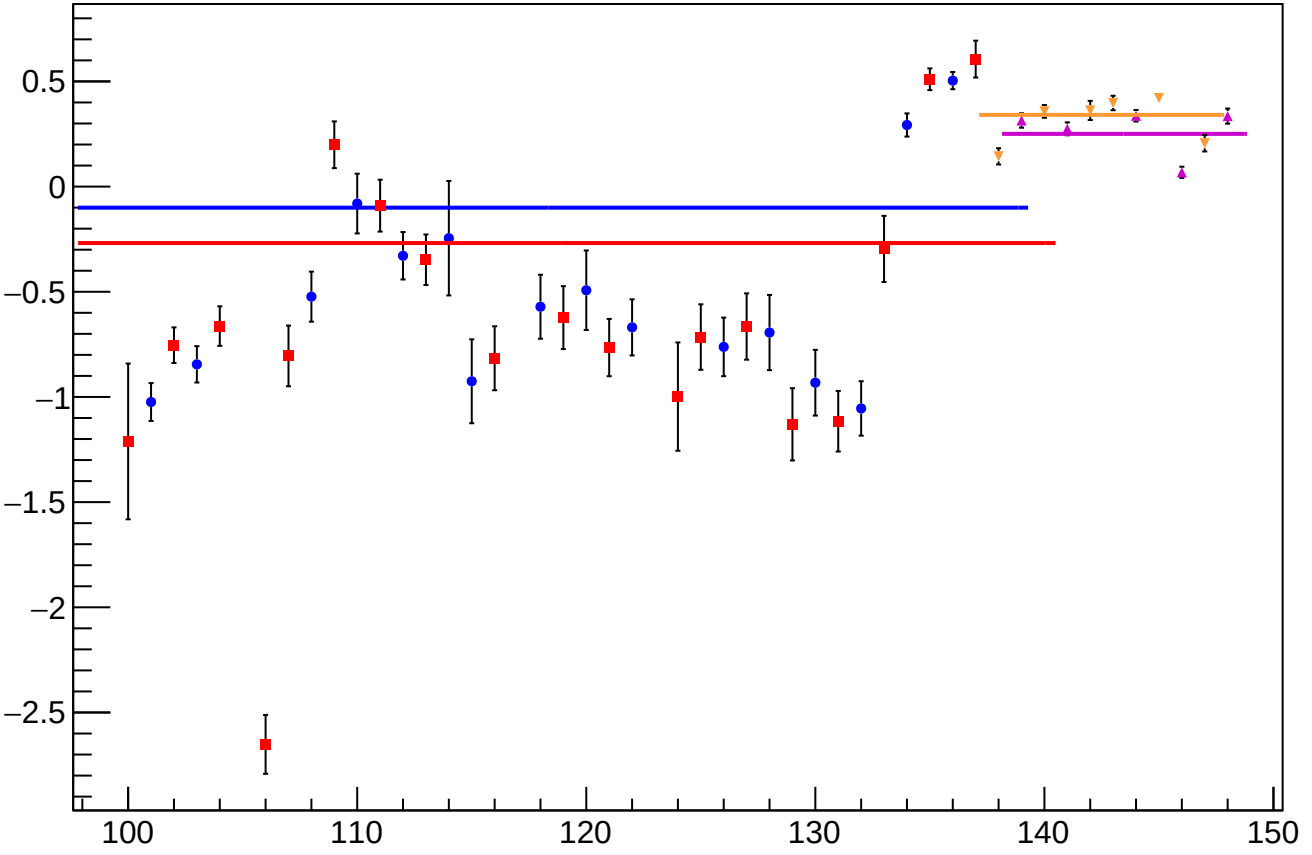
Left In: 43.447+/-0.271 χ^2/NDF:183.4/4

+ sign 39.090+/-0.235 χ^2/NDF: 3544.4/21

All: 39.614+/-0.166 χ^2/NDF: 7243.9/45

- sign 40.137+/-0.234 χ^2/NDF: 3689.5/23

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

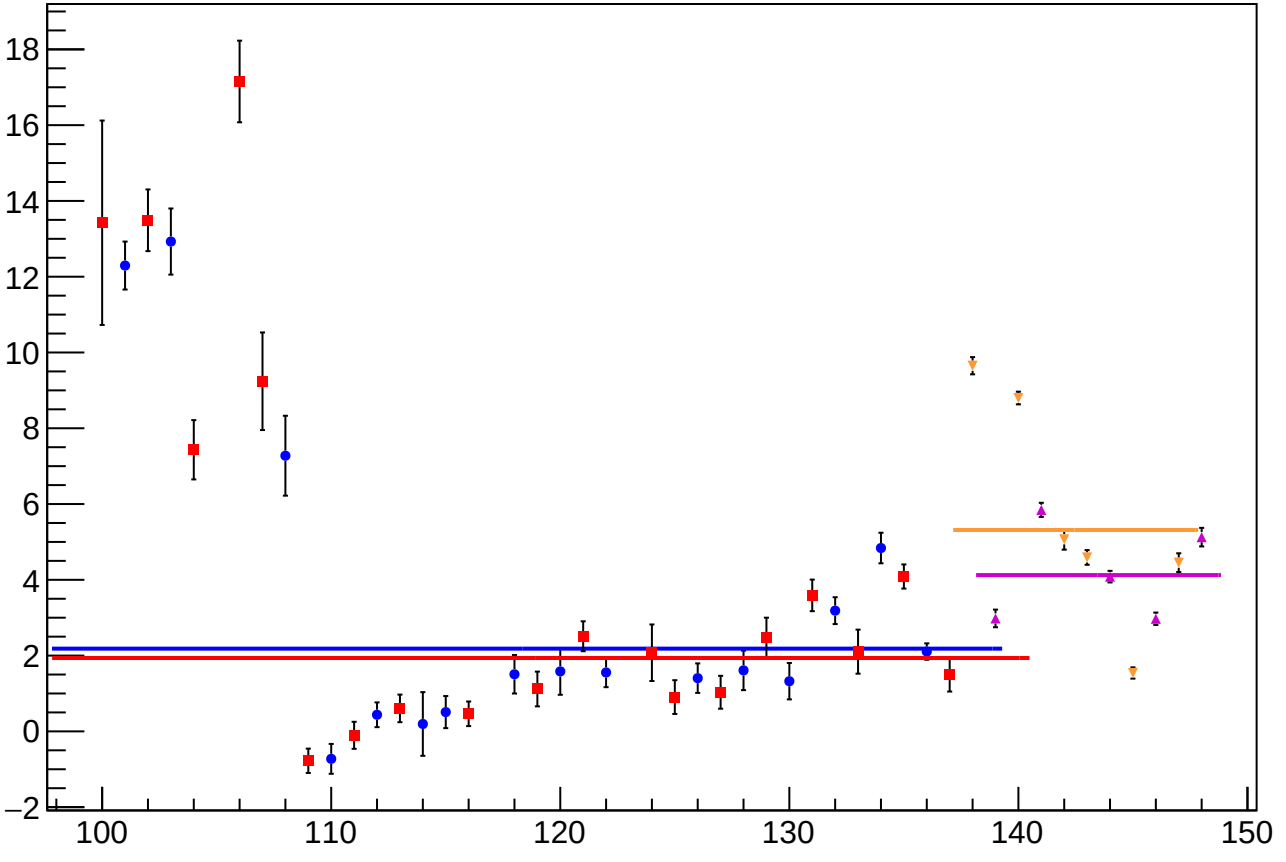
Left In: 0.251+/-0.014 χ^2/NDF:66.8/4

+ sign 0.236+/-0.012 χ^2/NDF: 941.6/21

All: 0.190+/-0.008 χ^2/NDF: 2169.0/45

- sign 0.142+/-0.012 χ^2/NDF: 1195.8/23

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

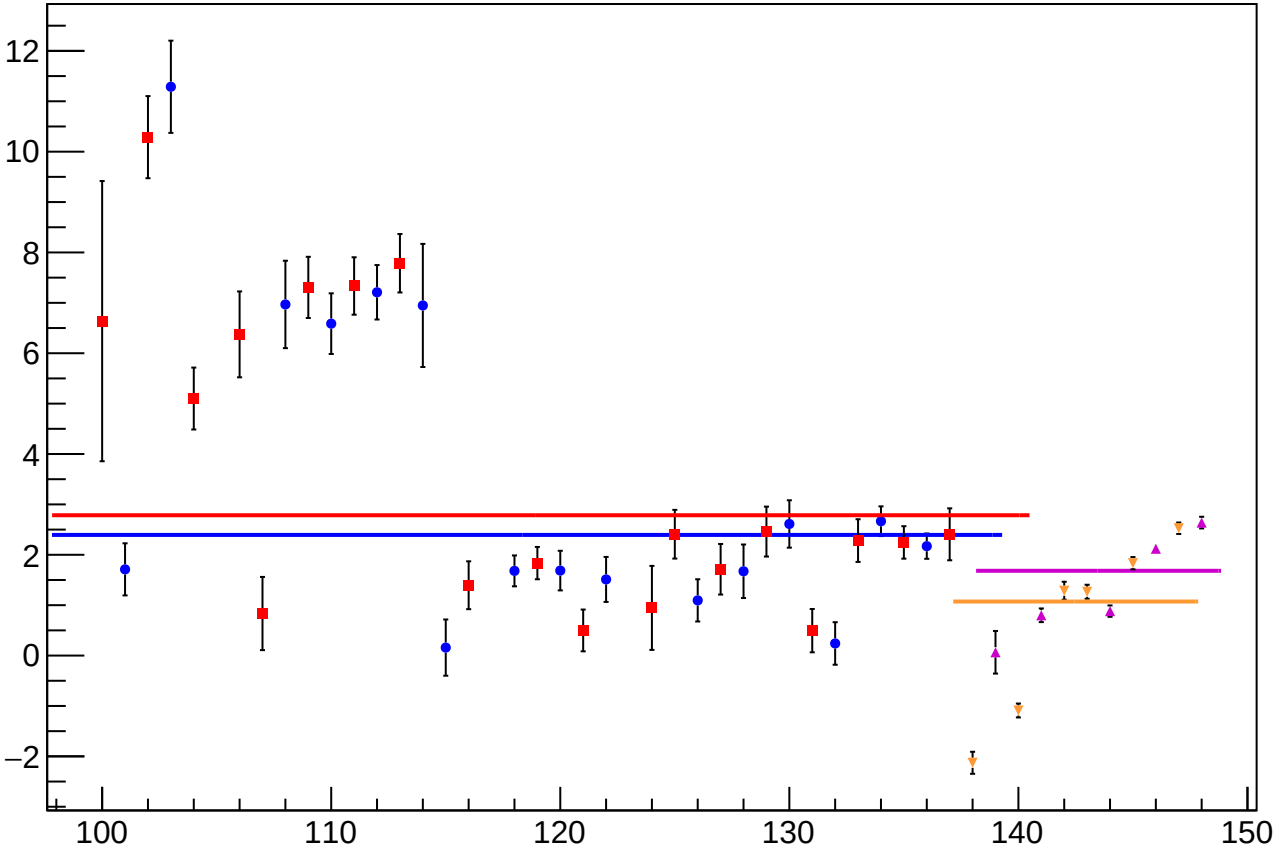
Left In: 4.125+/-0.083 χ^2/NDF:175.7/4

+ sign 4.166+/-0.064 χ^2/NDF: 2628.4/21

All: 3.737+/-0.046 χ^2/NDF: 3879.9/45

- sign 3.284+/-0.065 χ^2/NDF: 1158.0/23

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.072+/-0.058 χ^2/NDF:664.7/5

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

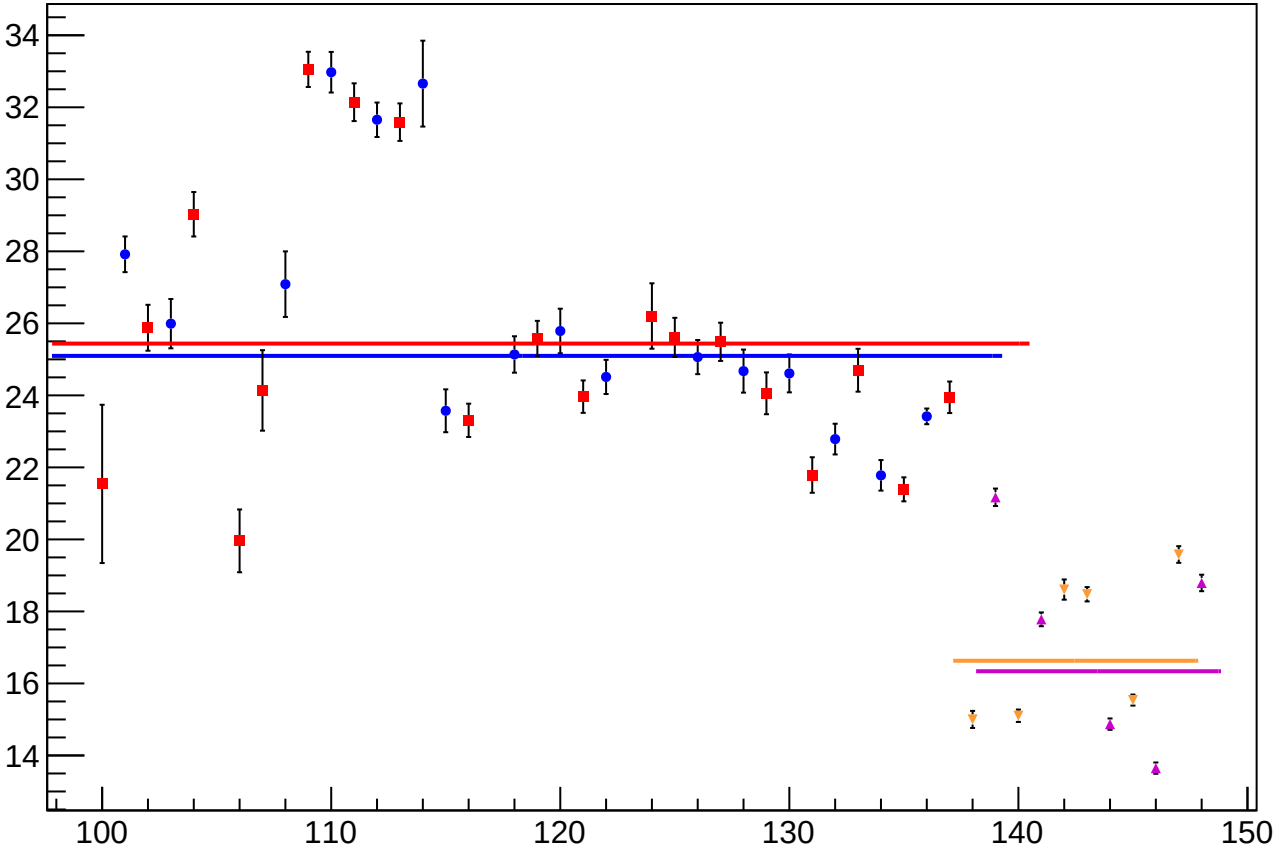
Left In: 1.682+/-0.056 χ^2/NDF:197.1/4

+ sign 1.364+/-0.051 χ^2/NDF: 1114.6/21

All: 1.631+/-0.036 χ^2/NDF: 1850.1/45

- sign 1.888+/-0.050 χ^2/NDF: 681.7/23

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

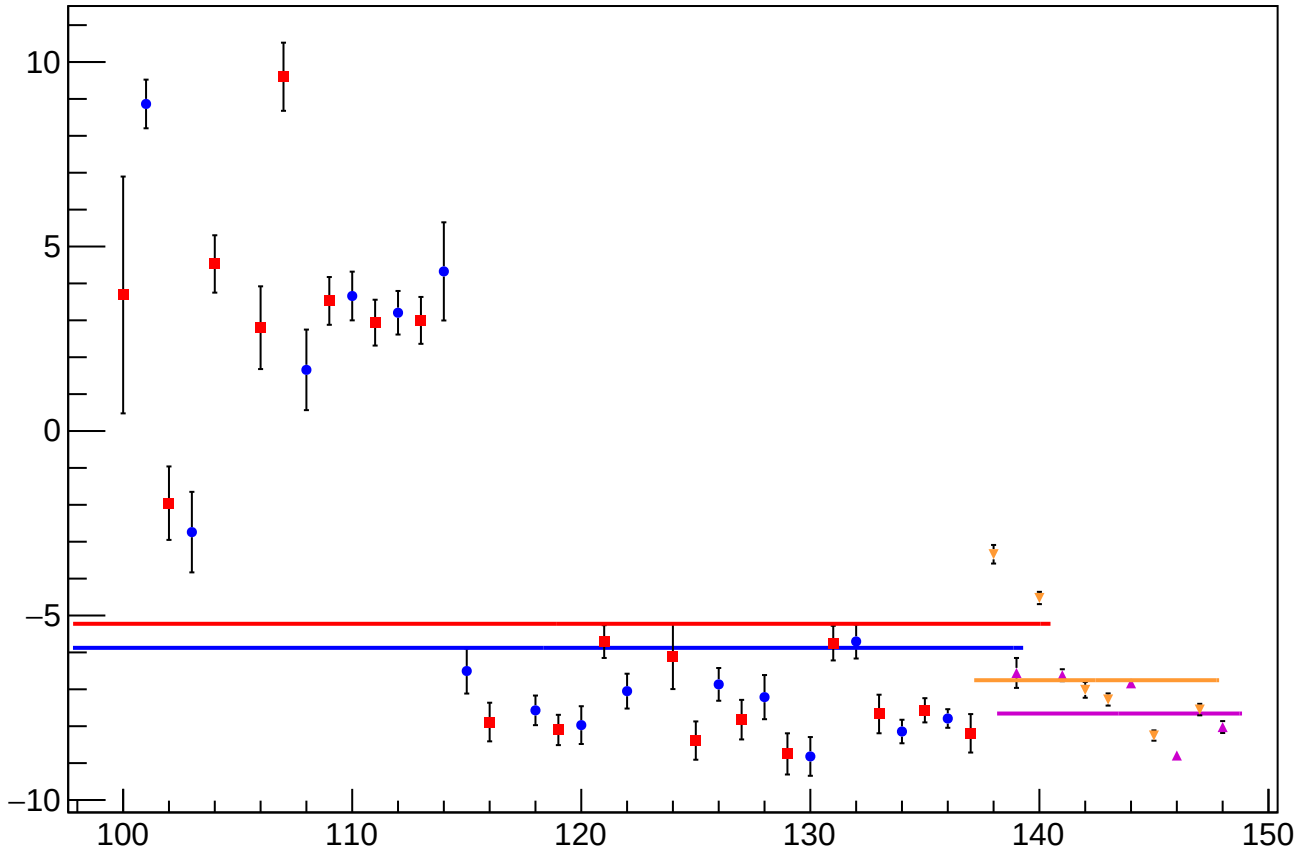
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.339+/-0.083 χ^2/NDF:948.9/4

+ sign 19.377+/-0.067 χ^2/NDF: 4602.7/21

All: 19.275+/-0.048 χ^2/NDF: 10143.8/45

- sign 19.167+/-0.069 χ^2/NDF: 5536.3/23



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

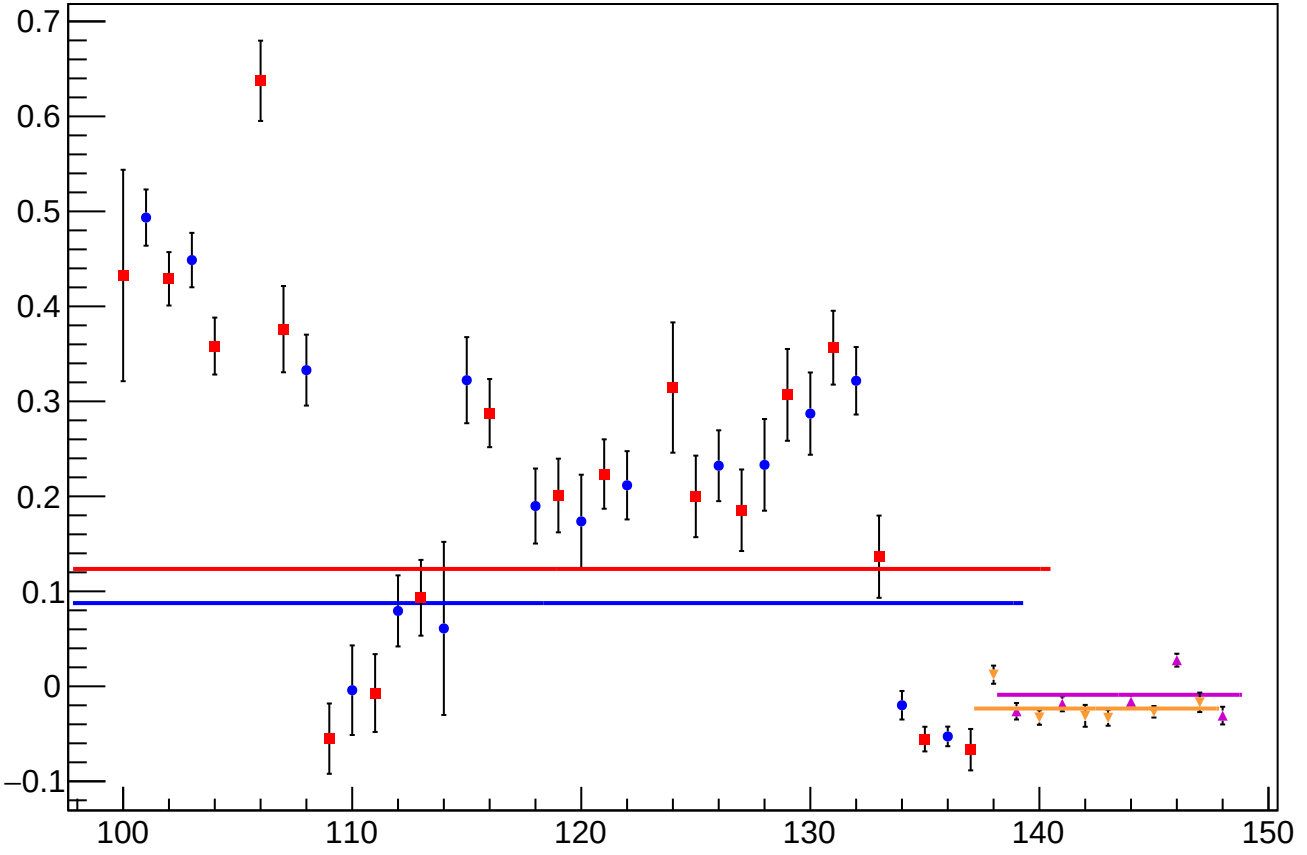
Left In: -7.656+/-0.069 χ^2/NDF:182.2/4

+ sign -6.531+/-0.061 χ^2/NDF: 1806.0/21

All: -6.824+/-0.043 χ^2/NDF: 3601.4/45

- sign -7.118+/-0.061 χ^2/NDF: 1748.9/23

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

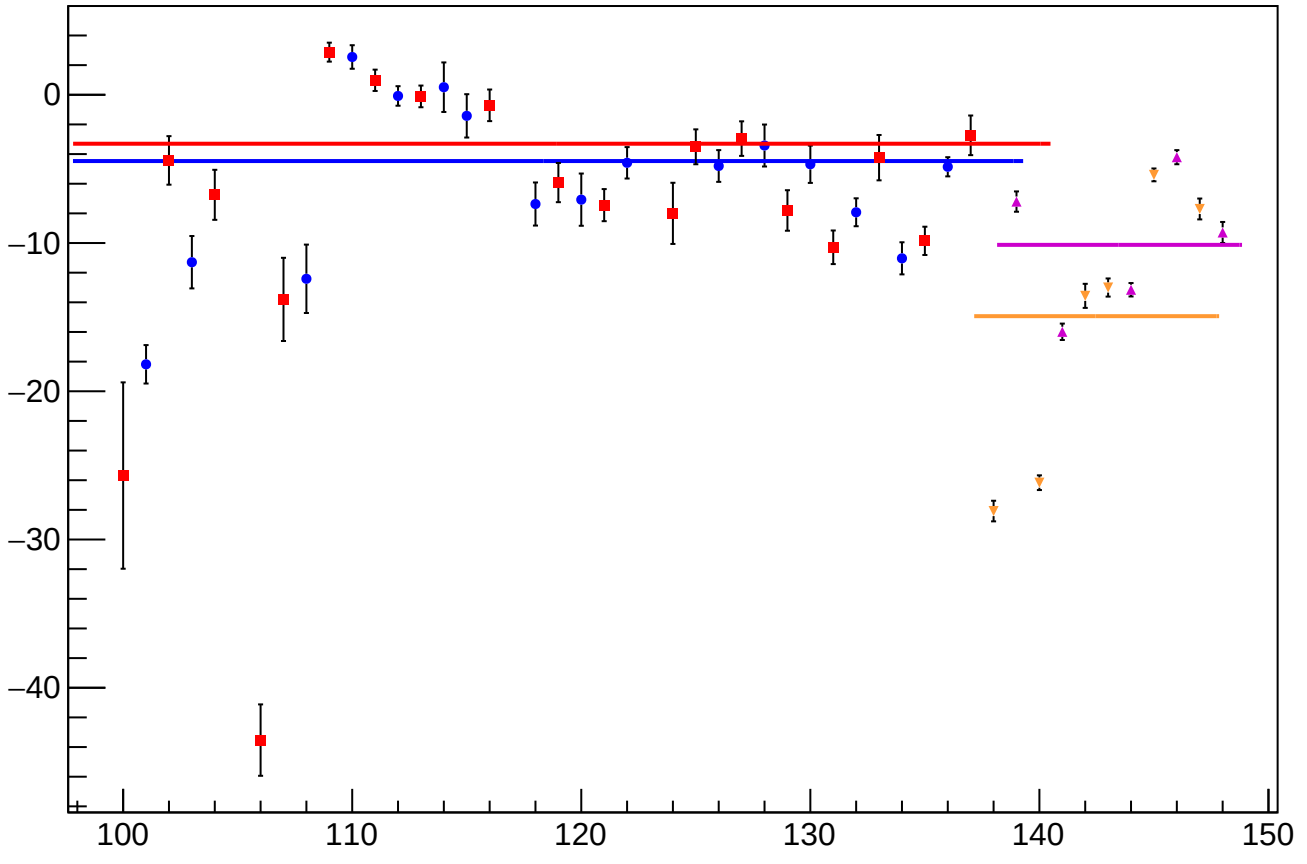
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.009+/-0.003 χ^2/NDF:40.8/4

+ sign -0.000+/-0.003 χ^2/NDF: 1010.0/21

All: 0.007+/-0.002 χ^2/NDF: 2092.6/45

- sign 0.015+/-0.003 χ^2/NDF: 1070.1/23



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.934+/-0.238 χ^2/NDF:1473.9/5

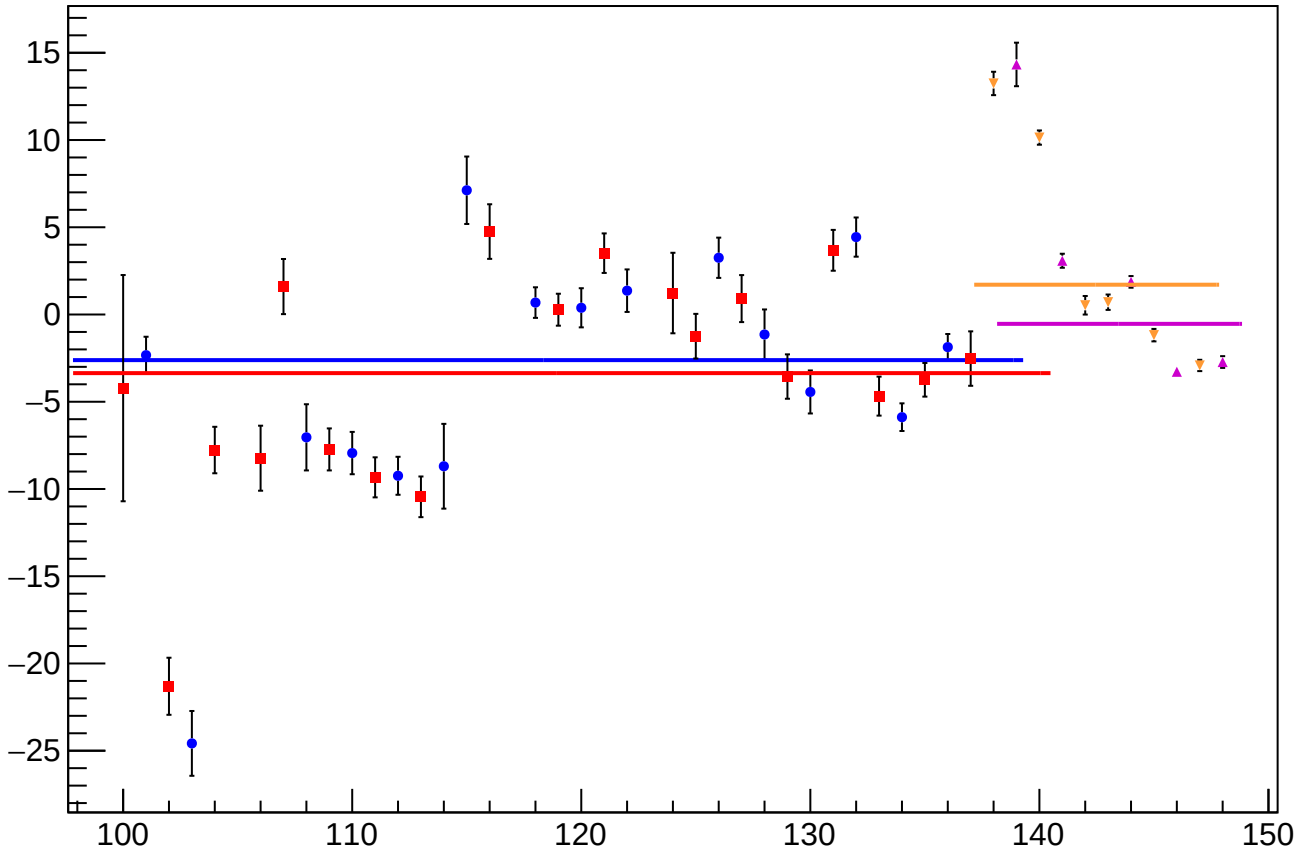
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.124+/-0.245 χ^2/NDF:331.1/4

+ sign -10.333+/-0.178 χ^2/NDF: 2656.9/21

All: -8.635+/-0.126 χ^2/NDF: 4118.6/45

- sign -6.928+/-0.179 χ^2/NDF: 1279.3/23



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

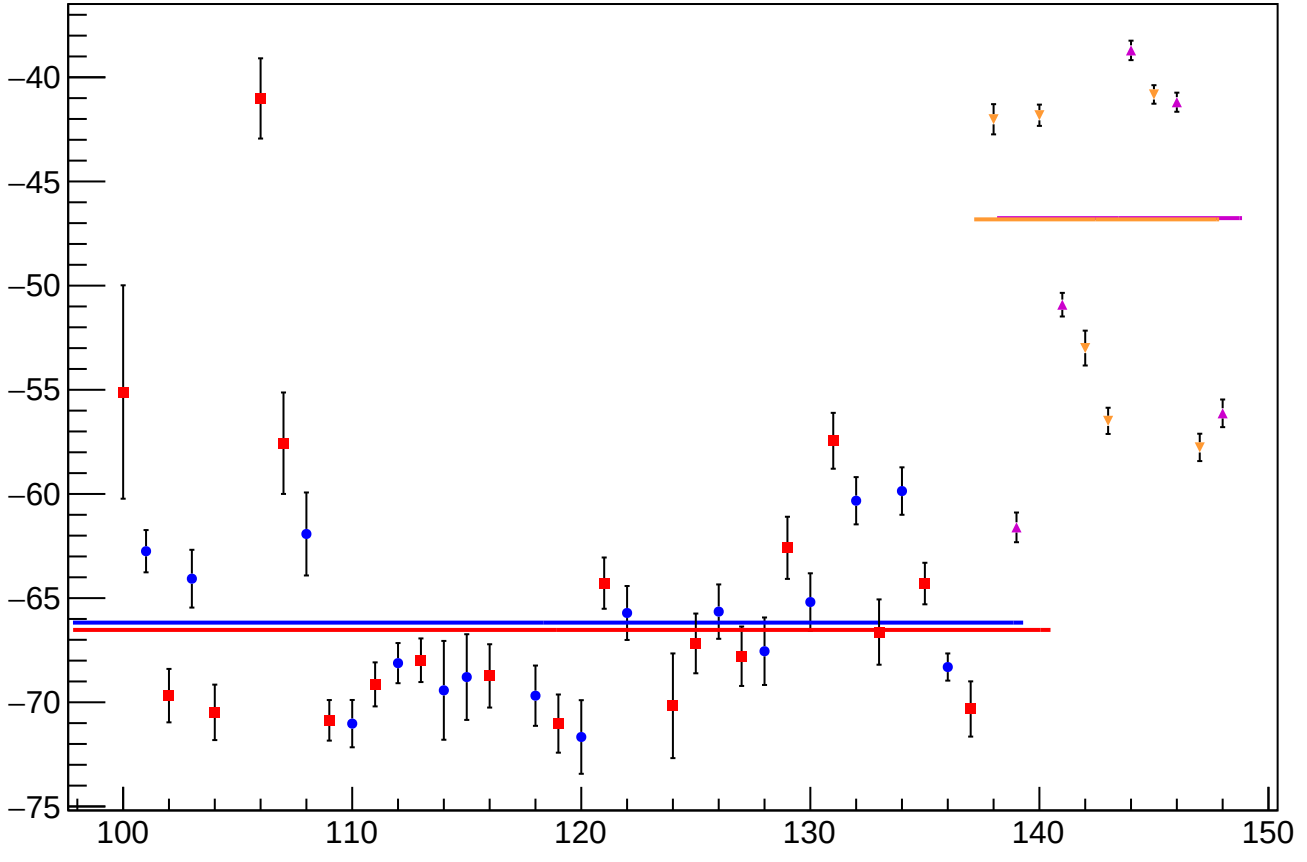
Left In: -0.536+/-0.164 χ^2/NDF:410.9/4

+ sign 0.569+/-0.147 χ^2/NDF: 1521.4/21

All: -0.327+/-0.103 χ^2/NDF: 2433.9/45

- sign -1.191+/-0.144 χ^2/NDF: 839.1/23

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

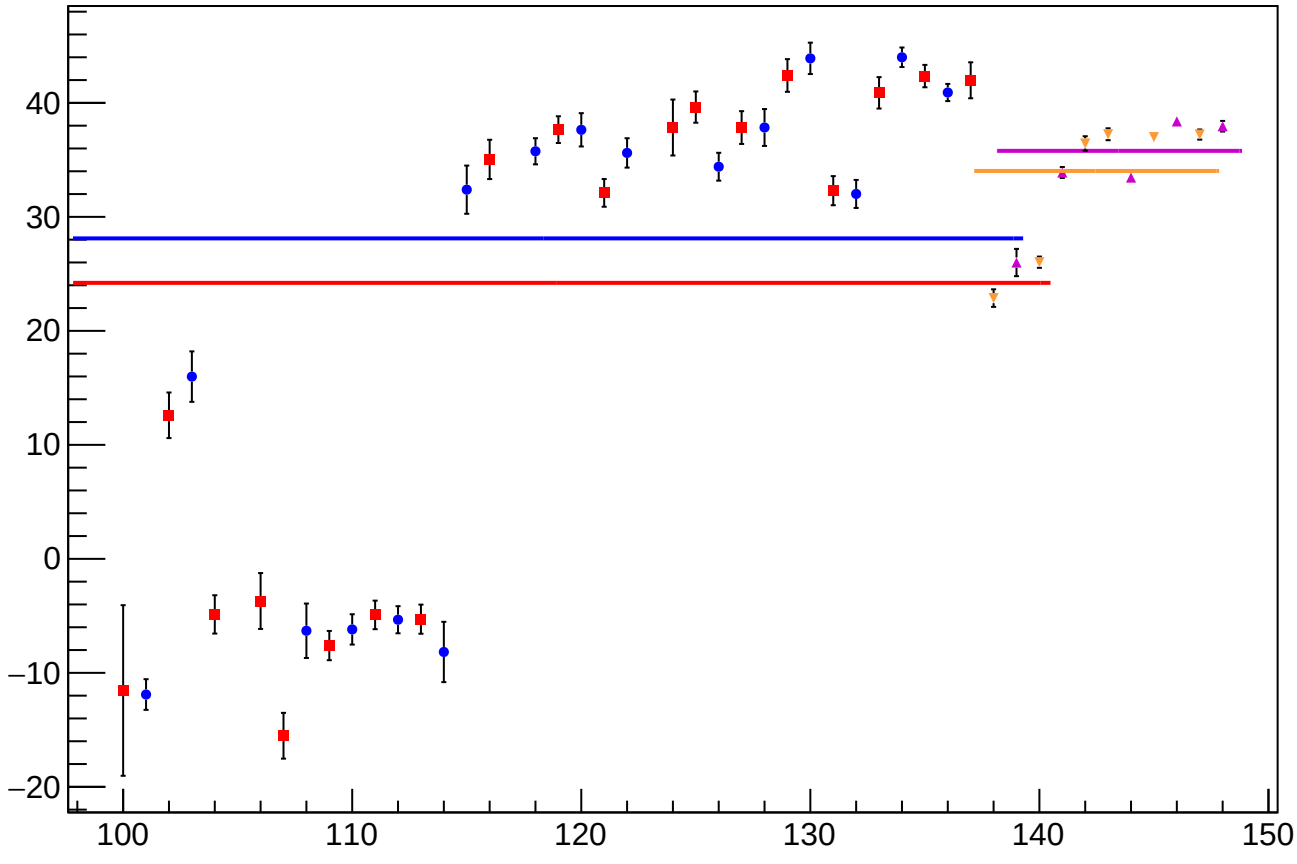
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -46.760+/-0.245 χ^2/NDF:1130.8/4

+ sign -54.319+/-0.189 χ^2/NDF: 3497.5/21

All: -54.298+/-0.135 χ^2/NDF: 7429.9/45

- sign -54.277+/-0.193 χ^2/NDF: 3932.4/23



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.028+/-0.209 χ^2/NDF:630.0/5

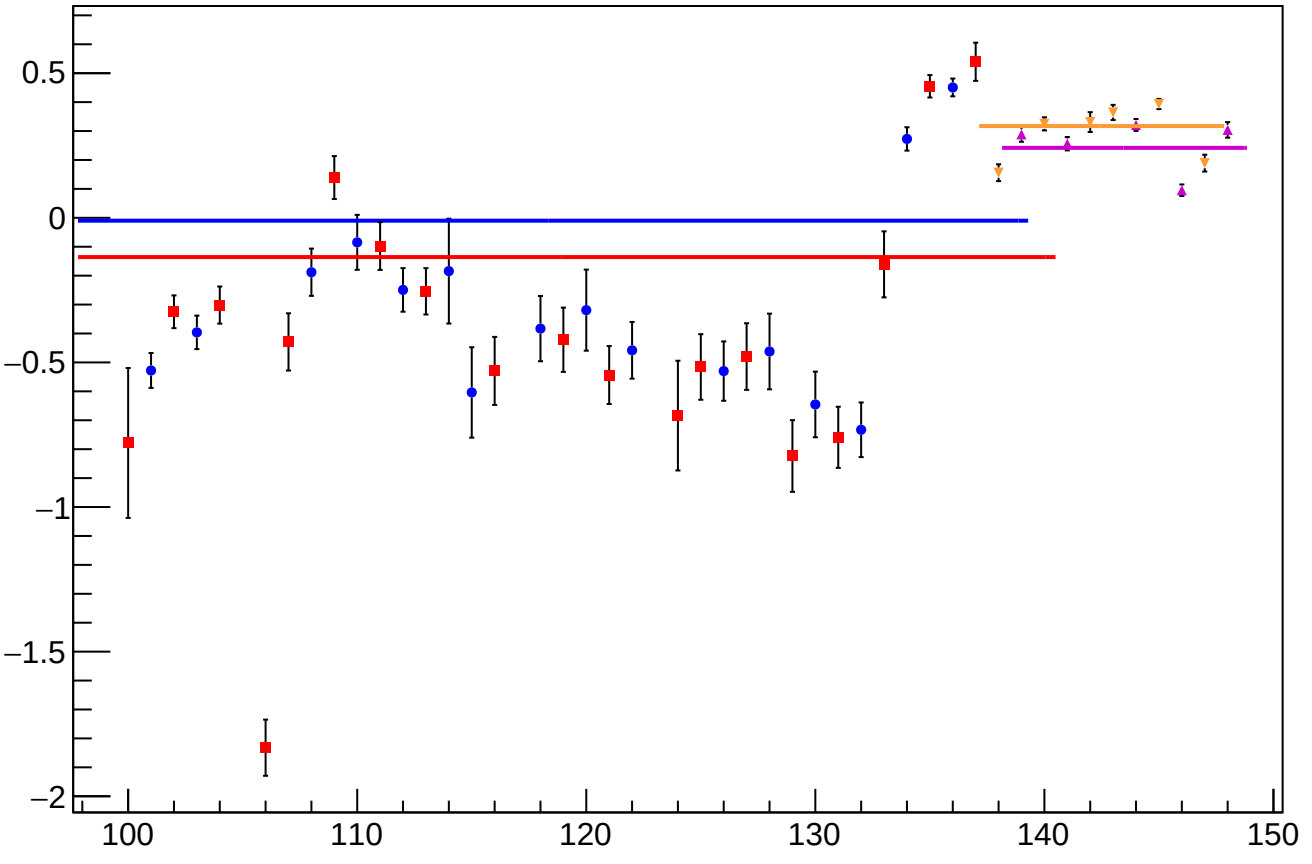
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.791+/-0.204 χ^2/NDF:192.7/4

+ sign 32.264+/-0.175 χ^2/NDF: 4597.6/21

All: 32.469+/-0.123 χ^2/NDF: 9504.5/45

- sign 32.672+/-0.174 χ^2/NDF: 4904.1/23



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

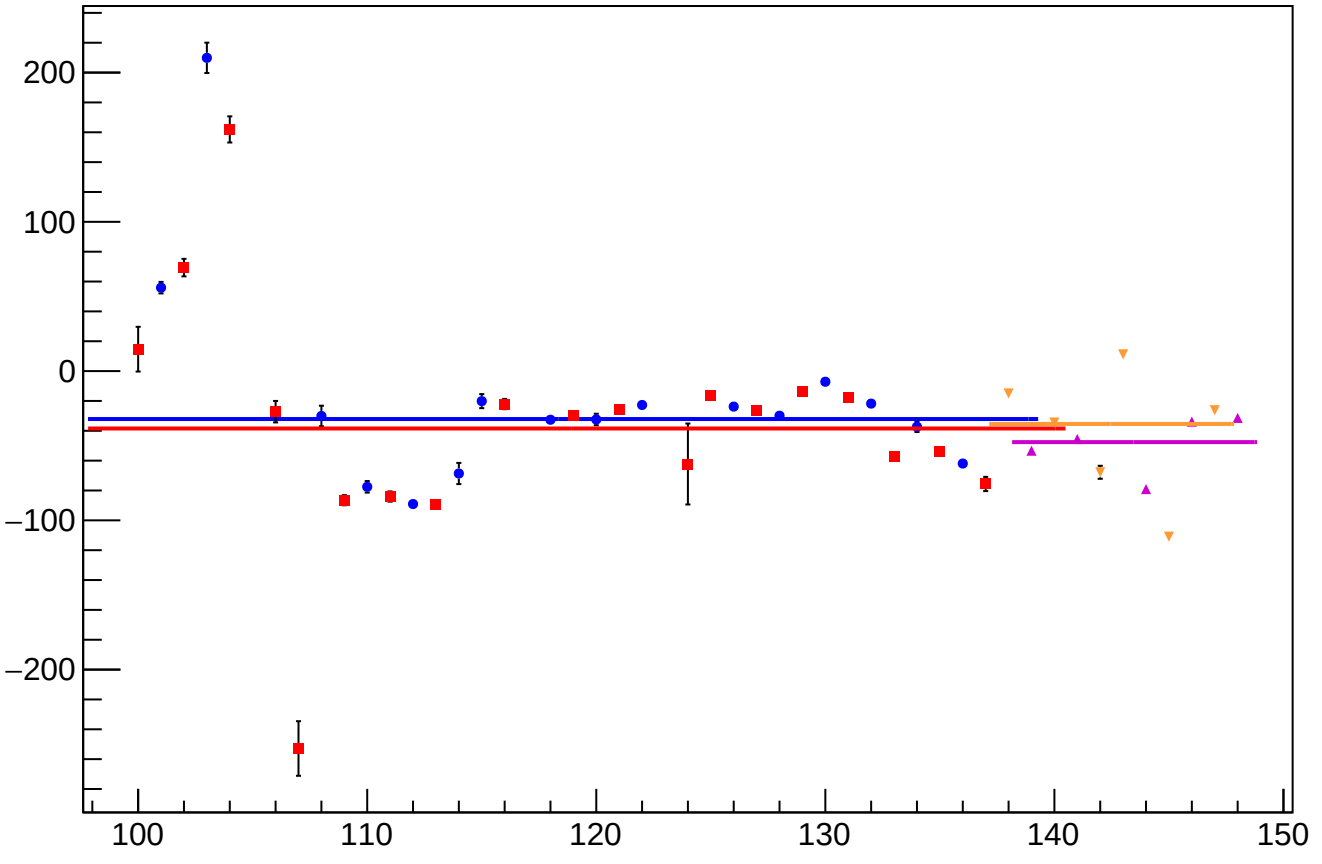
Left In: 0.242+/-0.010 χ^2/NDF:77.8/4

+ sign 0.234+/-0.009 χ^2/NDF: 925.8/21

All: 0.196+/-0.006 χ^2/NDF: 2172.1/45

- sign 0.156+/-0.009 χ^2/NDF: 1207.3/23

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

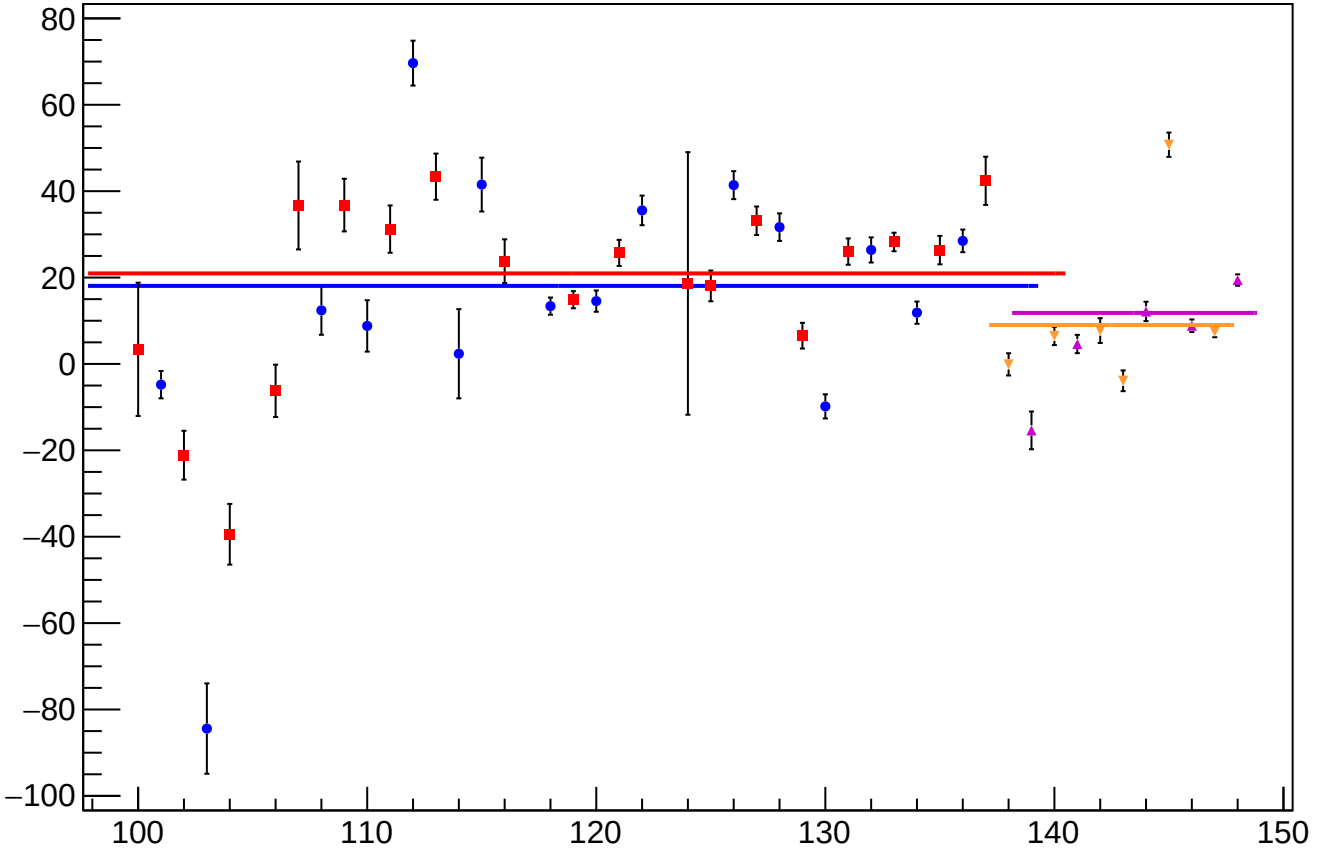
Left In: -47.591+/-1.217 χ^2/NDF:175.1/4

+ sign -33.201+/-0.690 χ^2/NDF: 2771.6/21

All: -37.275+/-0.493 χ^2/NDF: 5027.9/45

- sign -41.525+/-0.705 χ^2/NDF: 2185.1/23

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

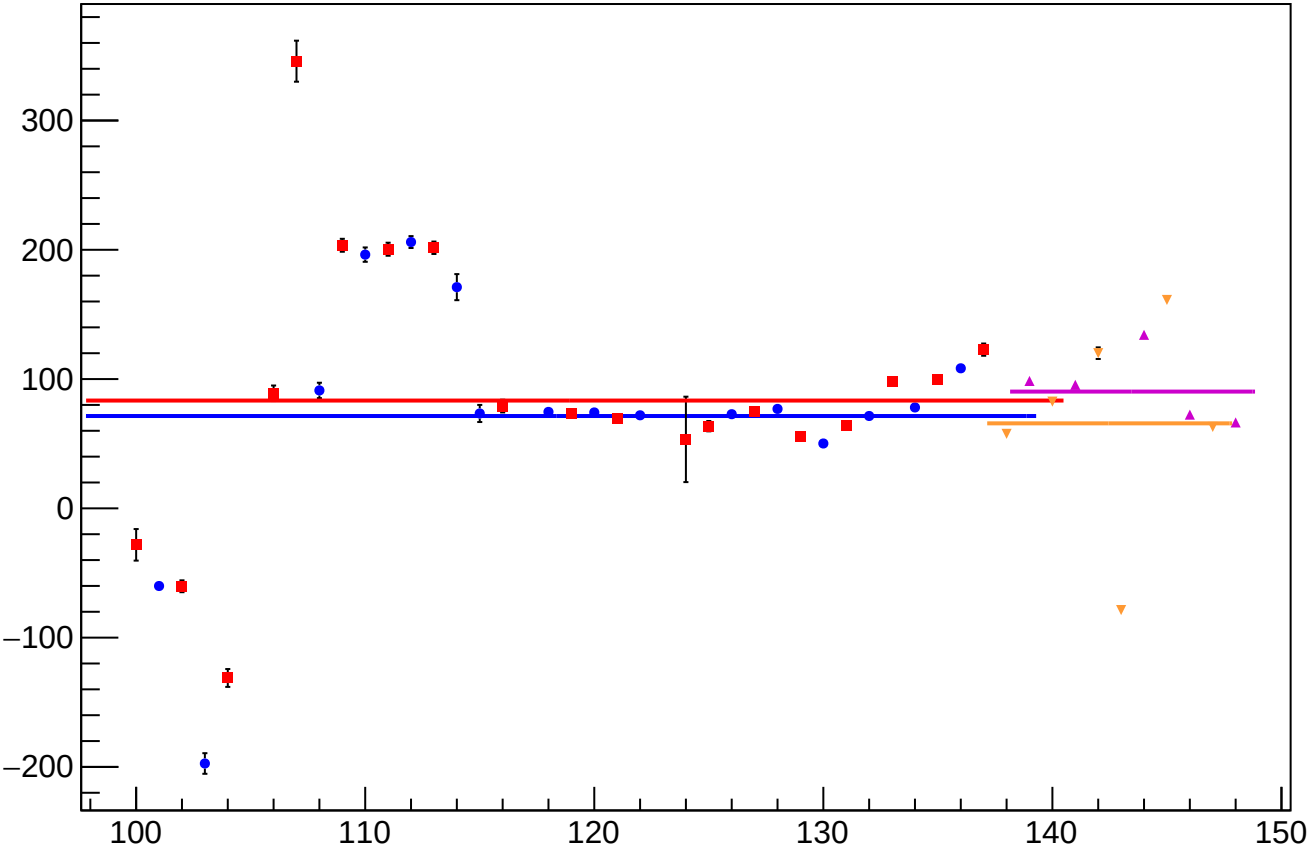
Left In: 11.817+/-0.811 χ^2/NDF:87.8/4

+ sign 13.675+/-0.590 χ^2/NDF: 822.4/21

All: 14.870+/-0.418 χ^2/NDF: 1240.2/45

- sign 16.076+/-0.593 χ^2/NDF: 409.6/23

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

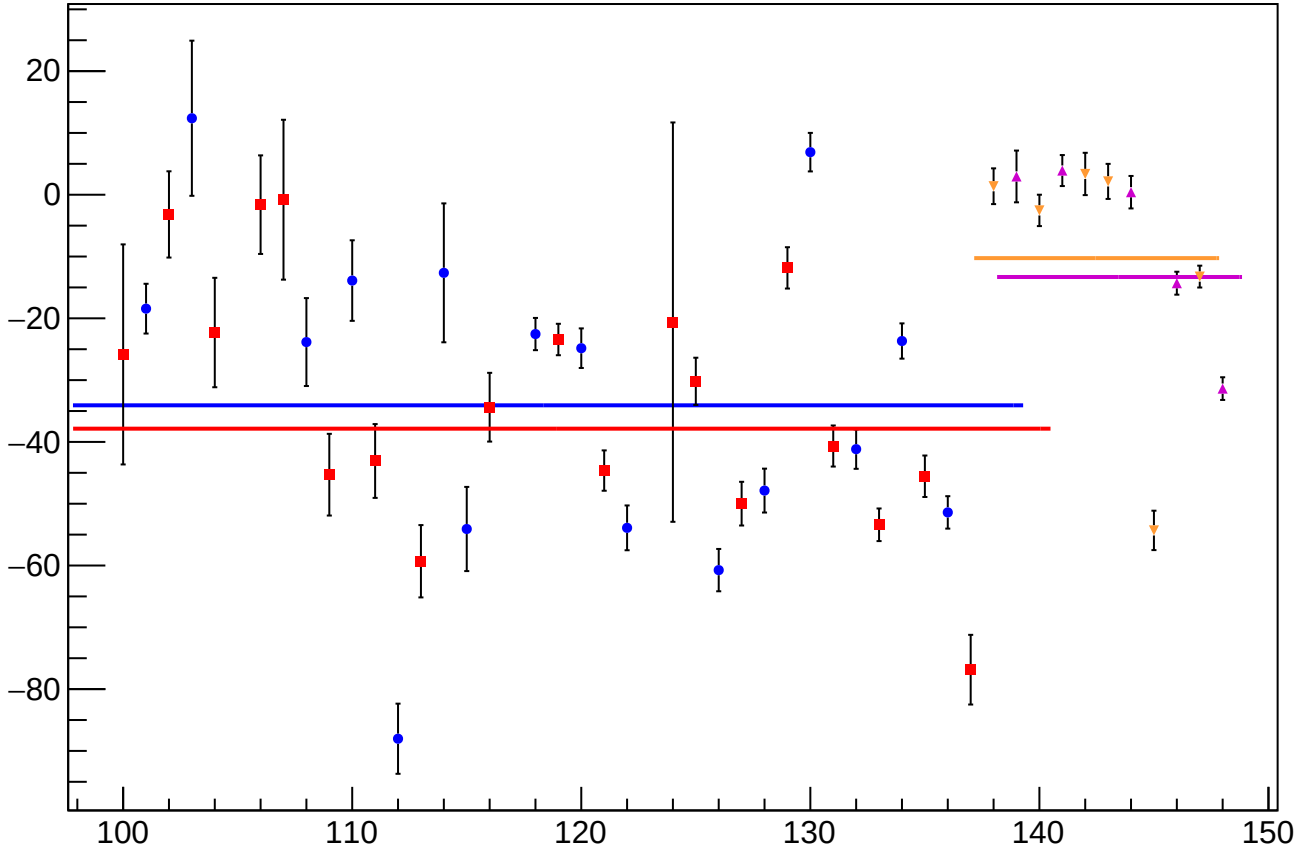
Left In: 90.317+/-1.211 χ^2/NDF:345.6/4

+ sign 69.319+/-0.739 χ^2/NDF: 7702.7/21

All: 77.446+/-0.531 χ^2/NDF: 12615.9/45

- sign 86.144+/-0.764 χ^2/NDF: 4662.7/23

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

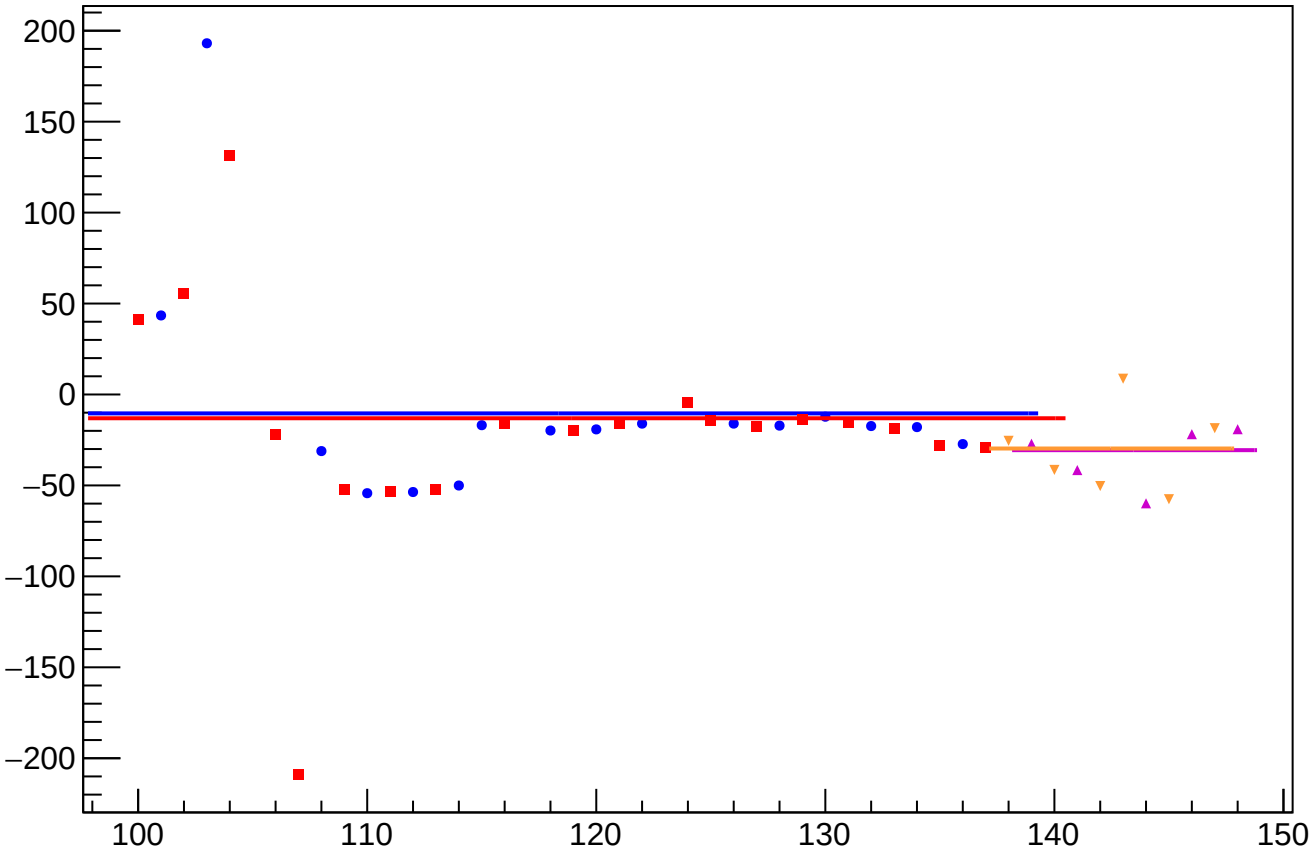
Left In: -13.311+/-1.027 χ^2/NDF:186.6/4

+ sign -23.481+/-0.702 χ^2/NDF: 1049.9/21

All: -24.713+/-0.501 χ^2/NDF: 1812.3/45

- sign -25.988+/-0.714 χ^2/NDF: 756.1/23

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

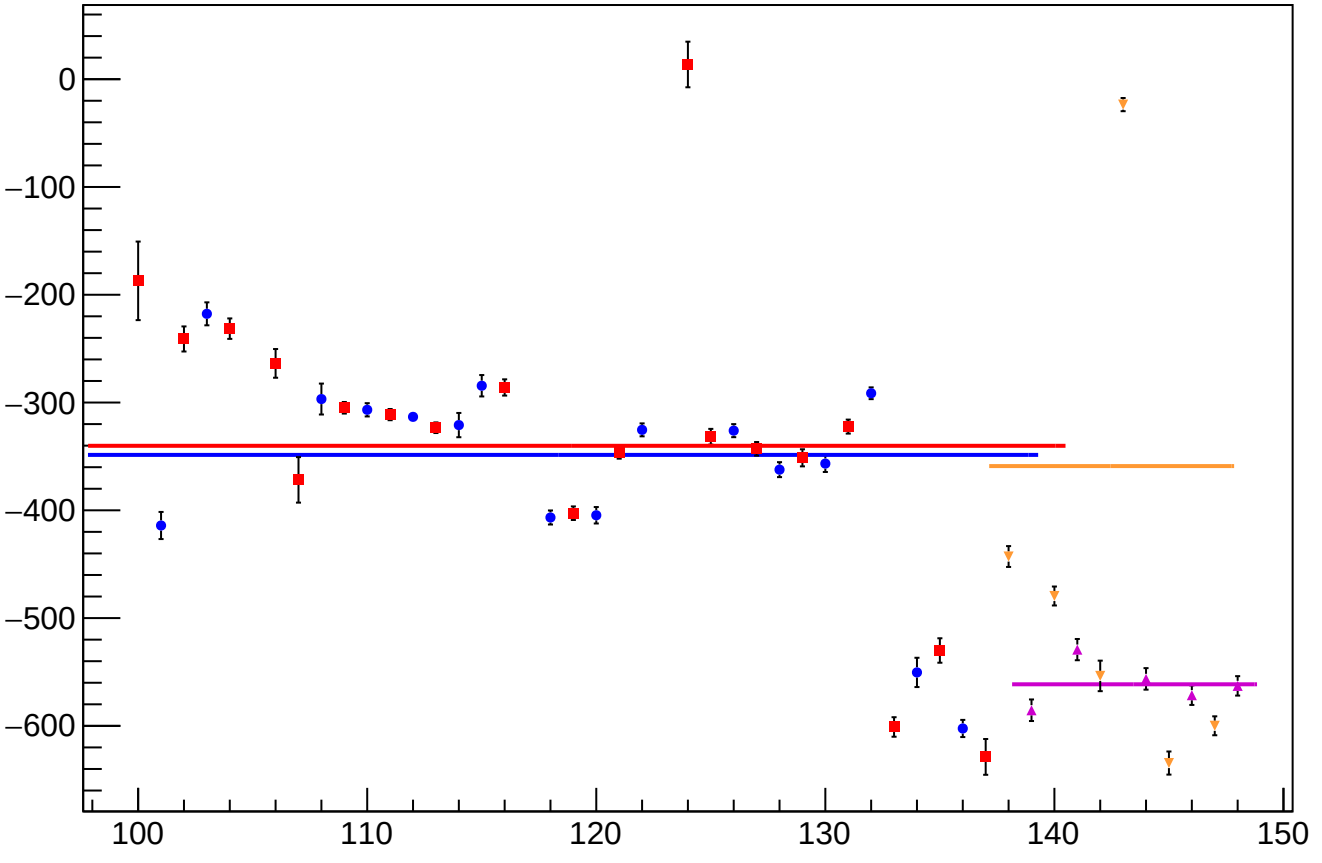
Left In: -30.612+/-0.049 χ^2/NDF:71943.1/4

+ sign -21.154+/-0.038 χ^2/NDF: 742096.5/21

All: -22.547+/-0.027 χ^2/NDF: 1315240.4/45

- sign -23.990+/-0.038 χ^2/NDF: 570379.8/23

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

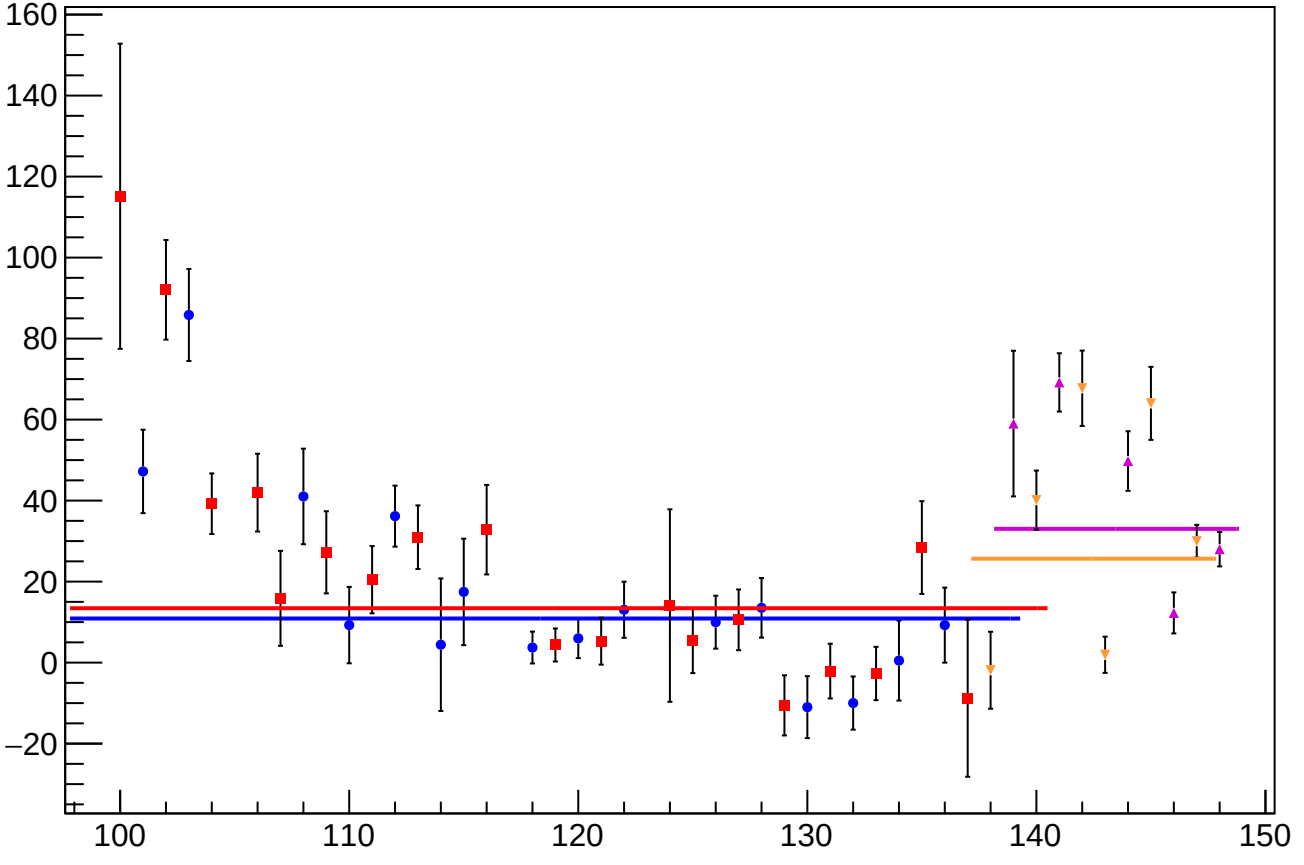
Left In: -561.427+/-4.271 χ^2/NDF:18.0/4

+ sign -350.703+/-1.628 χ^2/NDF: 6732.9/21

All: -361.479+/-1.151 χ^2/NDF: 11330.0/45

- sign -372.241+/-1.627 χ^2/NDF: 4509.6/23

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

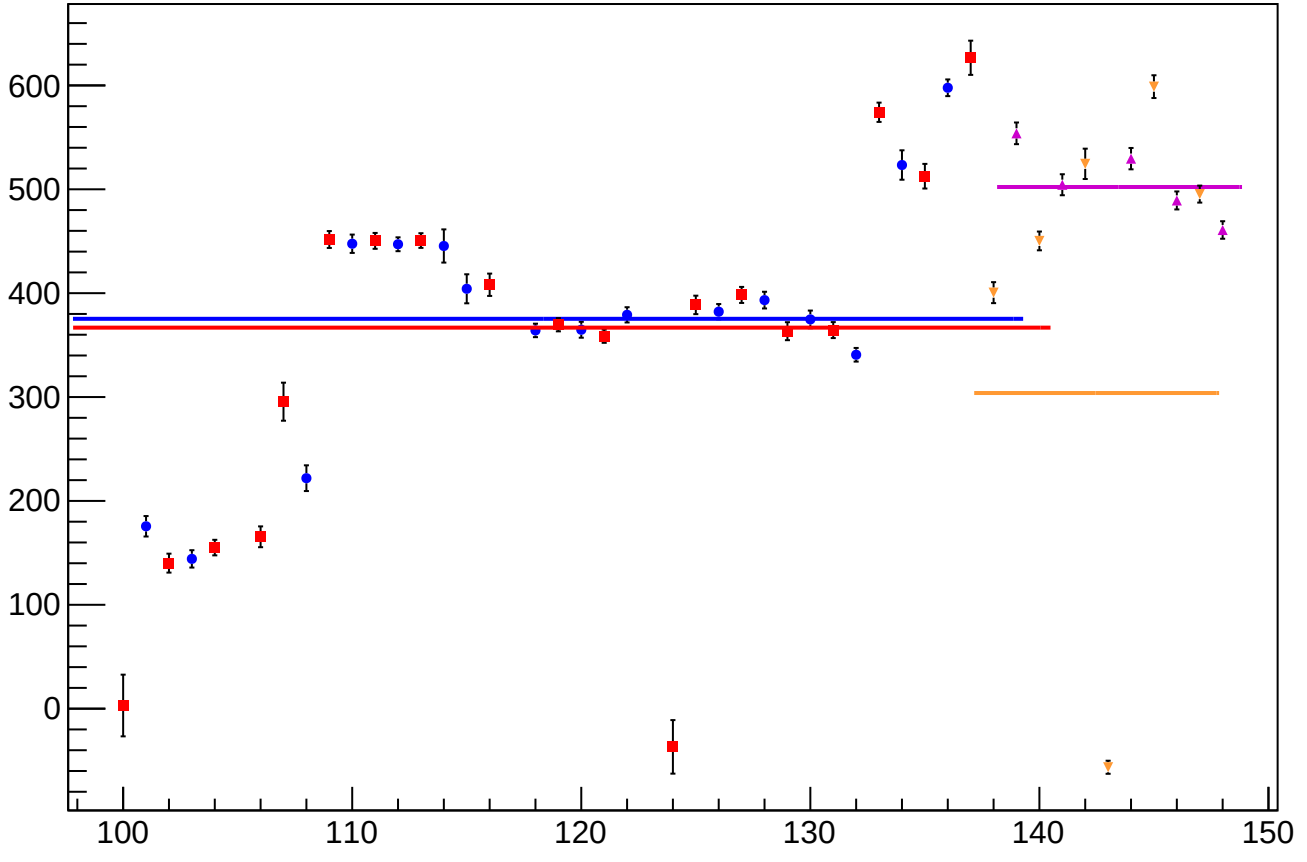
Left In: 33.025+/-2.719 χ^2/NDF:50.7/4

+ sign 16.200+/-1.475 χ^2/NDF: 201.6/21

All: 17.859+/-1.062 χ^2/NDF: 402.8/45

- sign 19.650+/-1.532 χ^2/NDF: 198.5/23

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

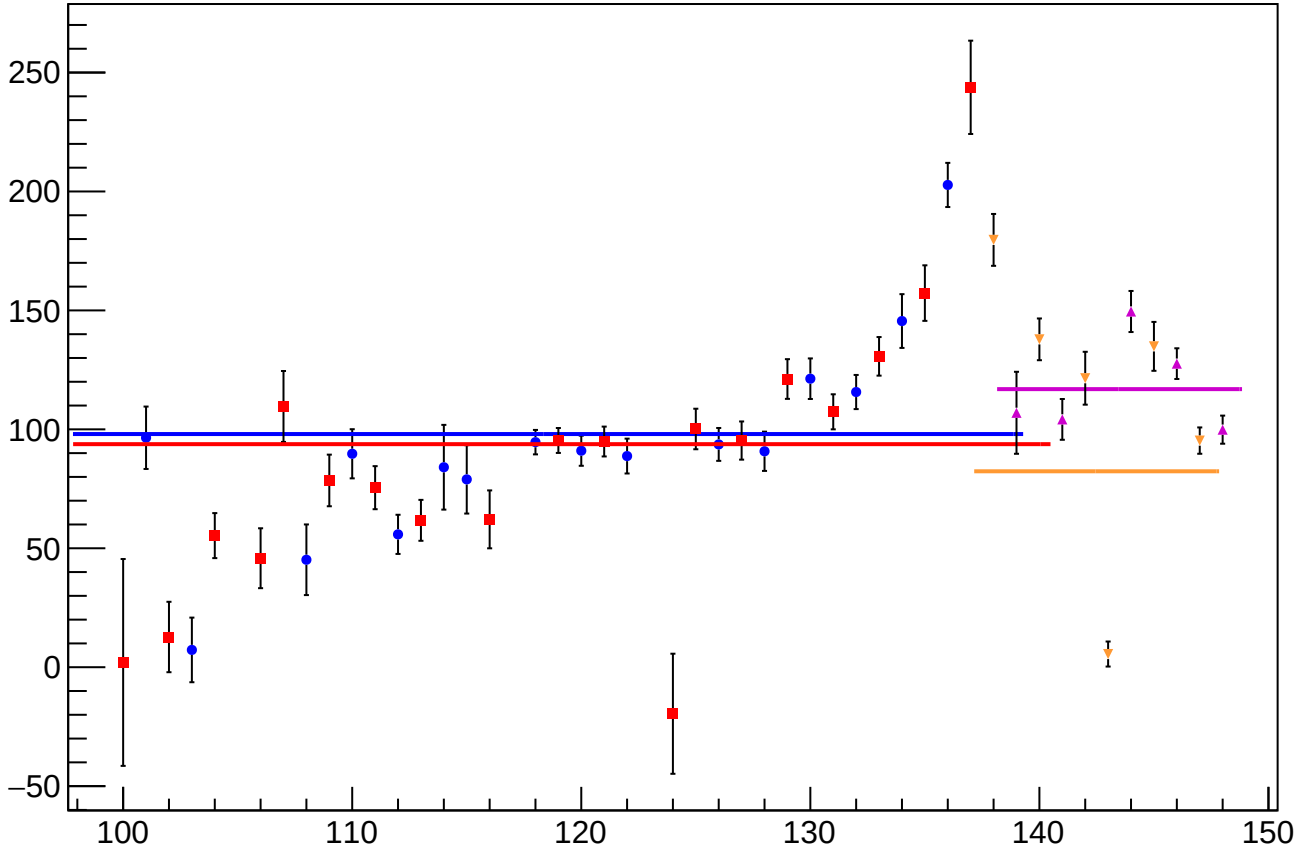
Left In: 502.217+/-4.233 χ^2/NDF:57.9/4

+ sign 357.492+/-1.822 χ^2/NDF: 7865.1/21

All: 374.795+/-1.296 χ^2/NDF: 12475.6/45

- sign 392.538+/-1.845 χ^2/NDF: 4427.7/23

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

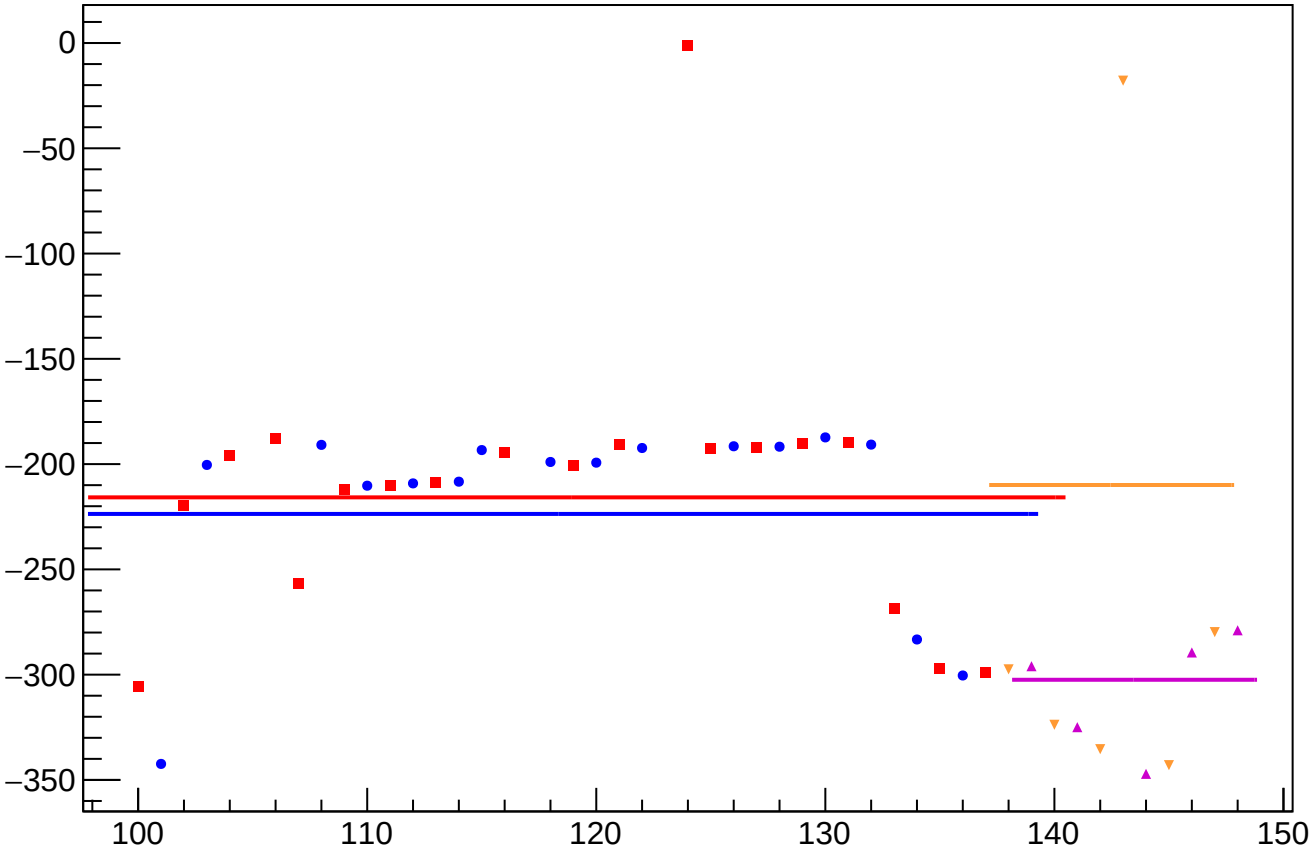
Left In: 116.907+/-3.470 χ^2/NDF:27.9/4

+ sign 92.835+/-1.754 χ^2/NDF: 643.7/21

All: 96.350+/-1.263 χ^2/NDF: 949.3/45

- sign 100.139+/-1.821 χ^2/NDF: 297.3/23

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

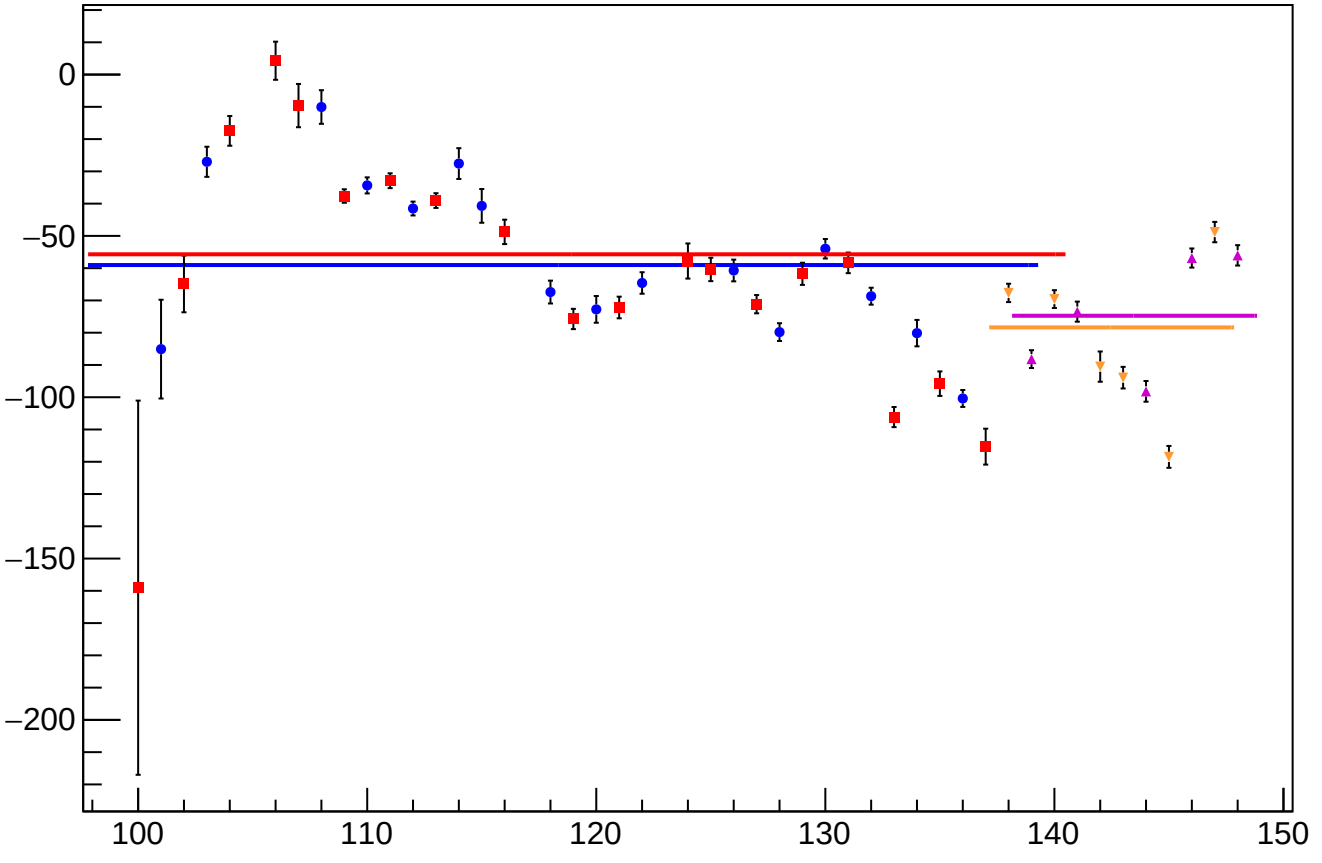
Left In: -302.435+/-0.173 χ^2/NDF:18600.3/4

+ sign -217.507+/-0.103 χ^2/NDF: 966651.1/21

All: -232.485+/-0.074 χ^2/NDF: 1267485.9/45

- sign -248.441+/-0.106 χ^2/NDF: 256924.2/23

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

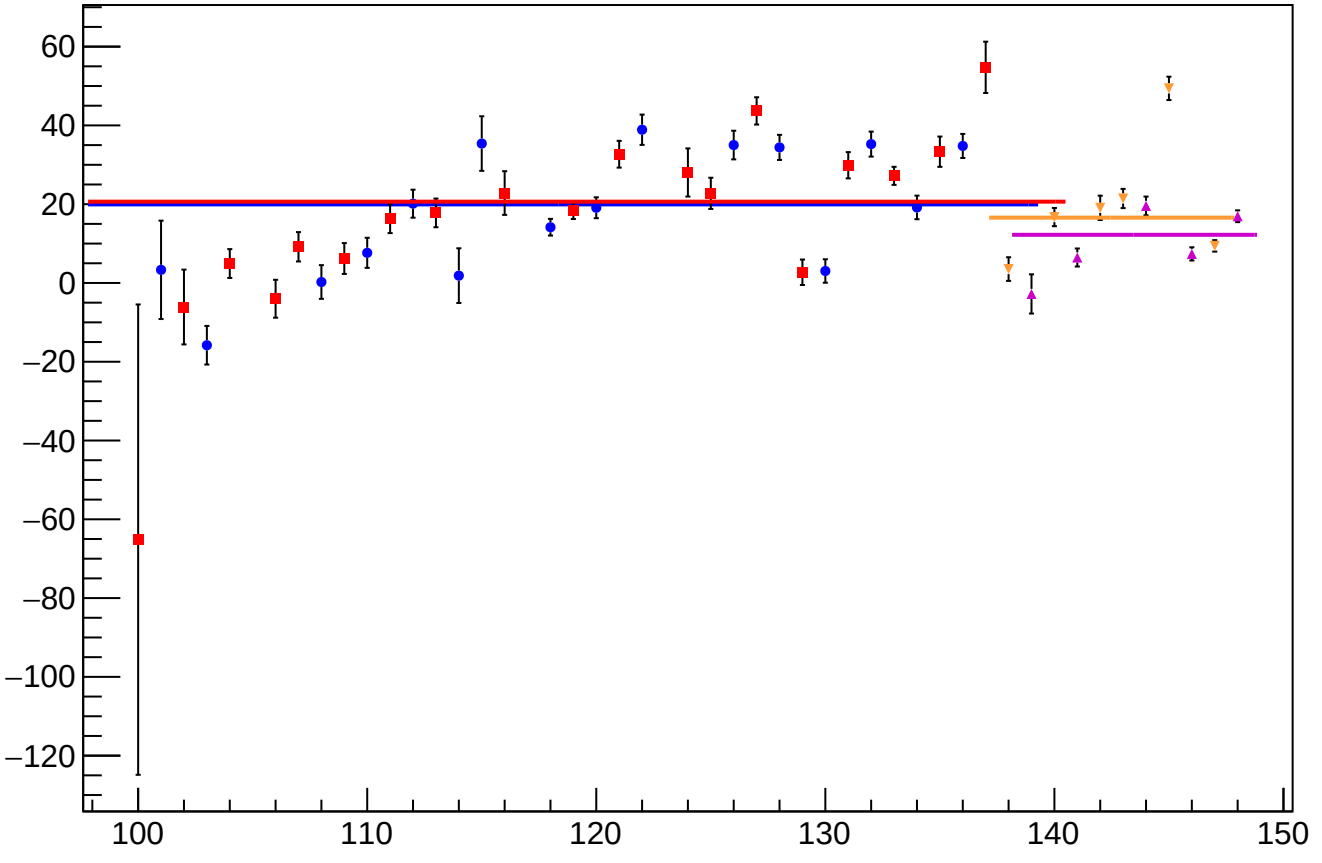
Left In: -74.747+/-1.354 χ^2/NDF:148.8/4

+ sign -64.519+/-0.702 χ^2/NDF: 1162.0/21

All: -62.473+/-0.489 χ^2/NDF: 2516.2/45

- sign -60.538+/-0.682 χ^2/NDF: 1337.6/23

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

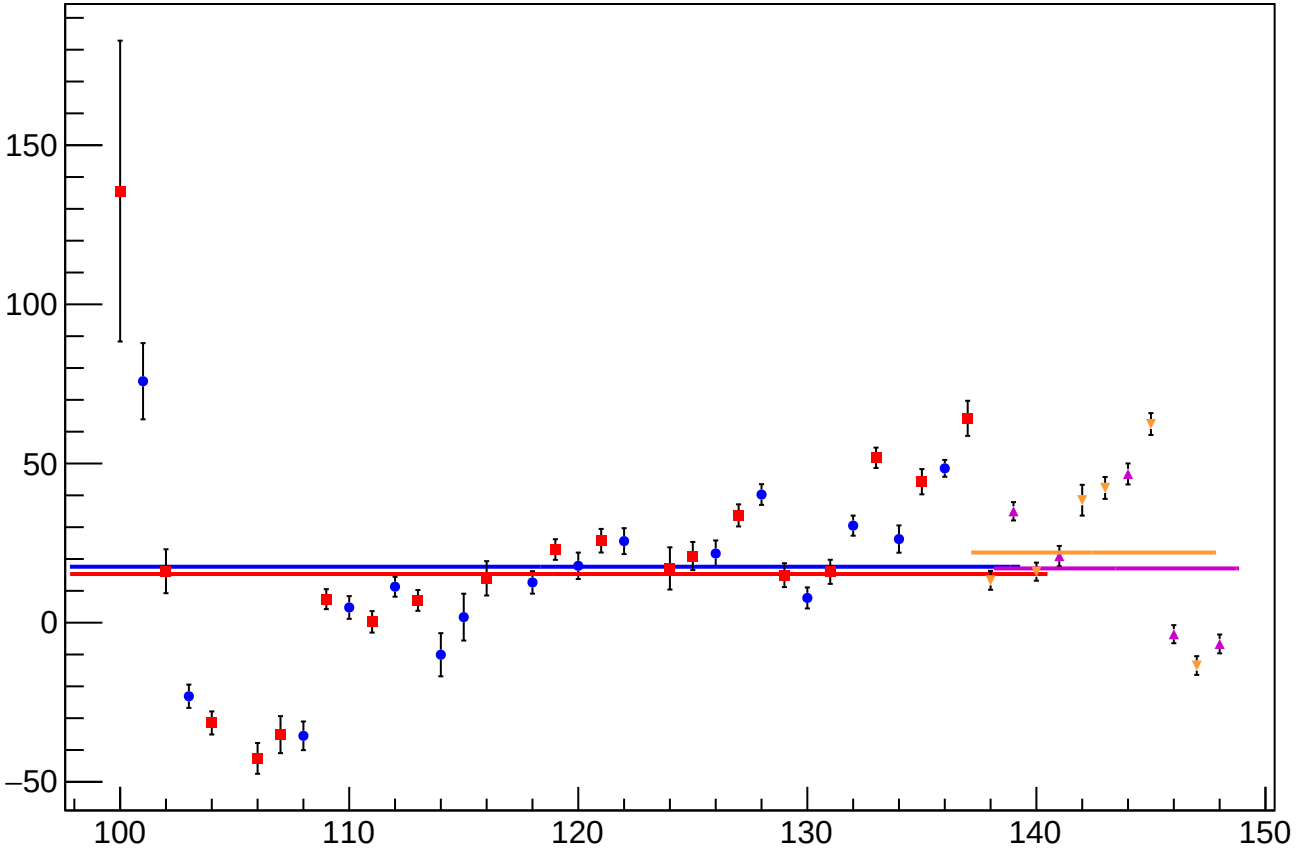
Left In: 12.227+/-0.908 χ^2/NDF:43.4/4

+ sign 18.381+/-0.634 χ^2/NDF: 424.5/21

All: 17.540+/-0.443 χ^2/NDF: 742.2/45

- sign 16.742+/-0.618 χ^2/NDF: 314.2/23

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

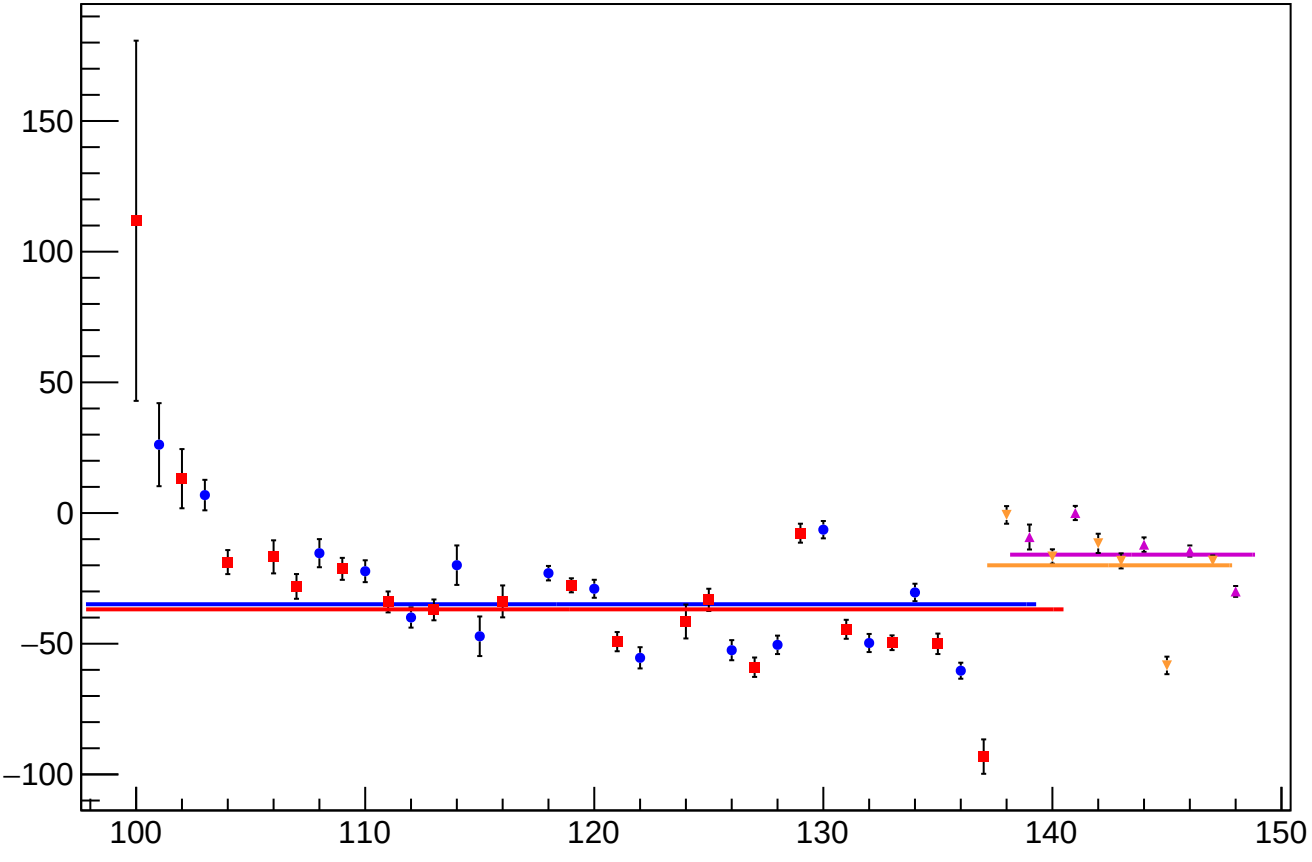
Left In: 17.043+/-1.350 χ^2/NDF:238.4/4

+ sign 19.096+/-0.777 χ^2/NDF: 896.6/21

All: 17.456+/-0.546 χ^2/NDF: 1875.0/45

- sign 15.853+/-0.768 χ^2/NDF: 969.6/23

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

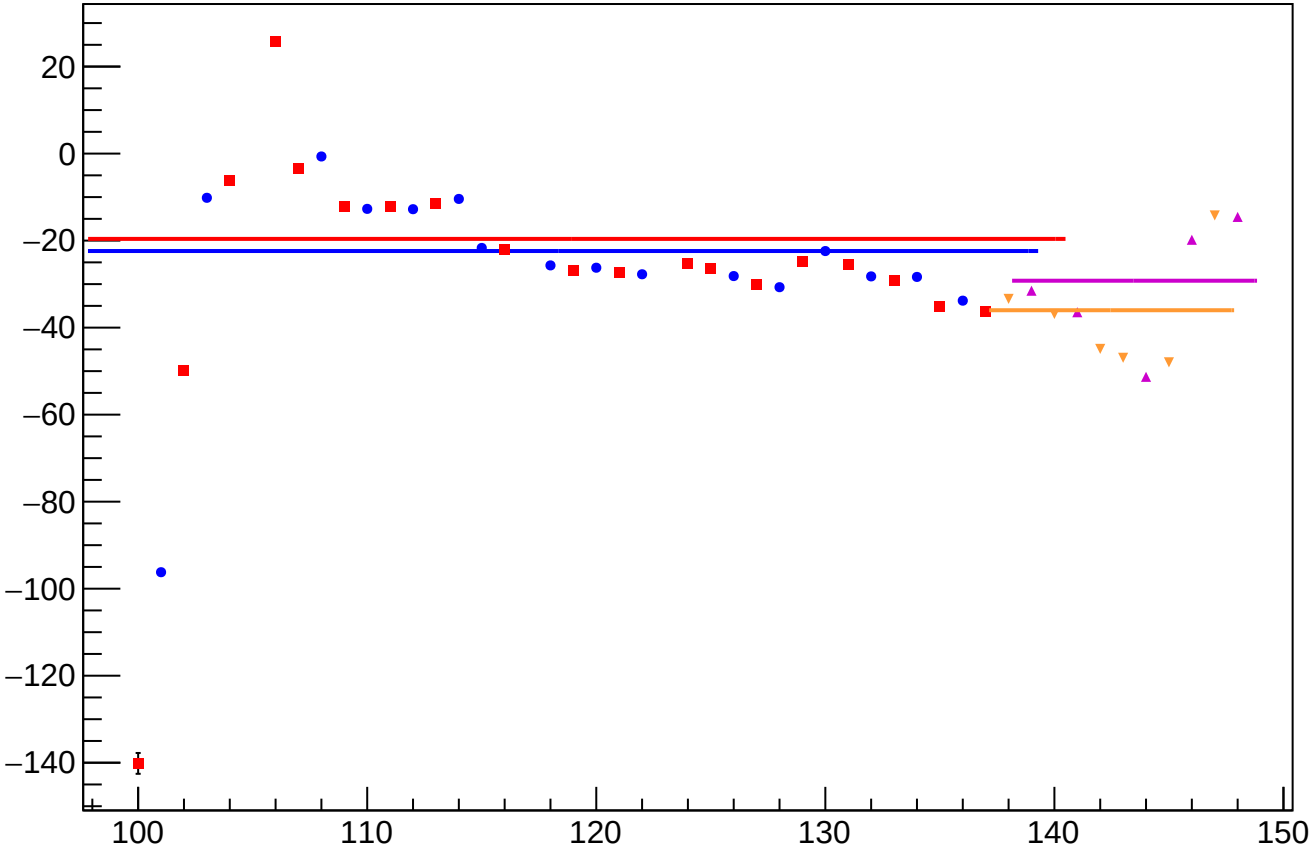
Left In: -15.925+/-1.146 χ^2/NDF:84.8/4

+ sign -28.567+/-0.751 χ^2/NDF: 613.7/21

All: -28.342+/-0.527 χ^2/NDF: 1194.5/45

- sign -28.123+/-0.740 χ^2/NDF: 580.6/23

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

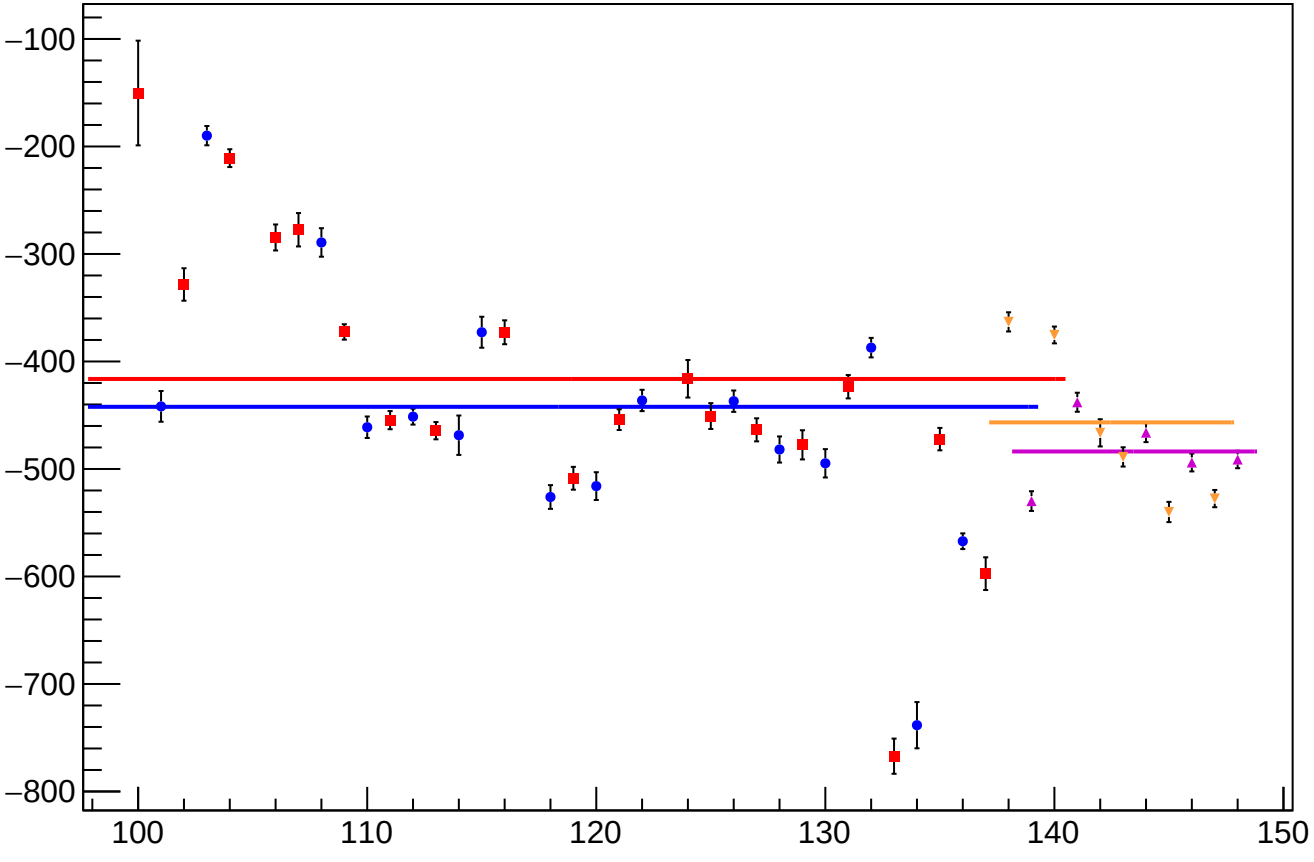
Left In: -29.219+/-0.055 χ^2/NDF:46961.3/4

+ sign -29.523+/-0.040 χ^2/NDF: 119134.7/21

All: -27.173+/-0.028 χ^2/NDF: 270989.9/45

- sign -24.828+/-0.040 χ^2/NDF: 145034.0/23

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

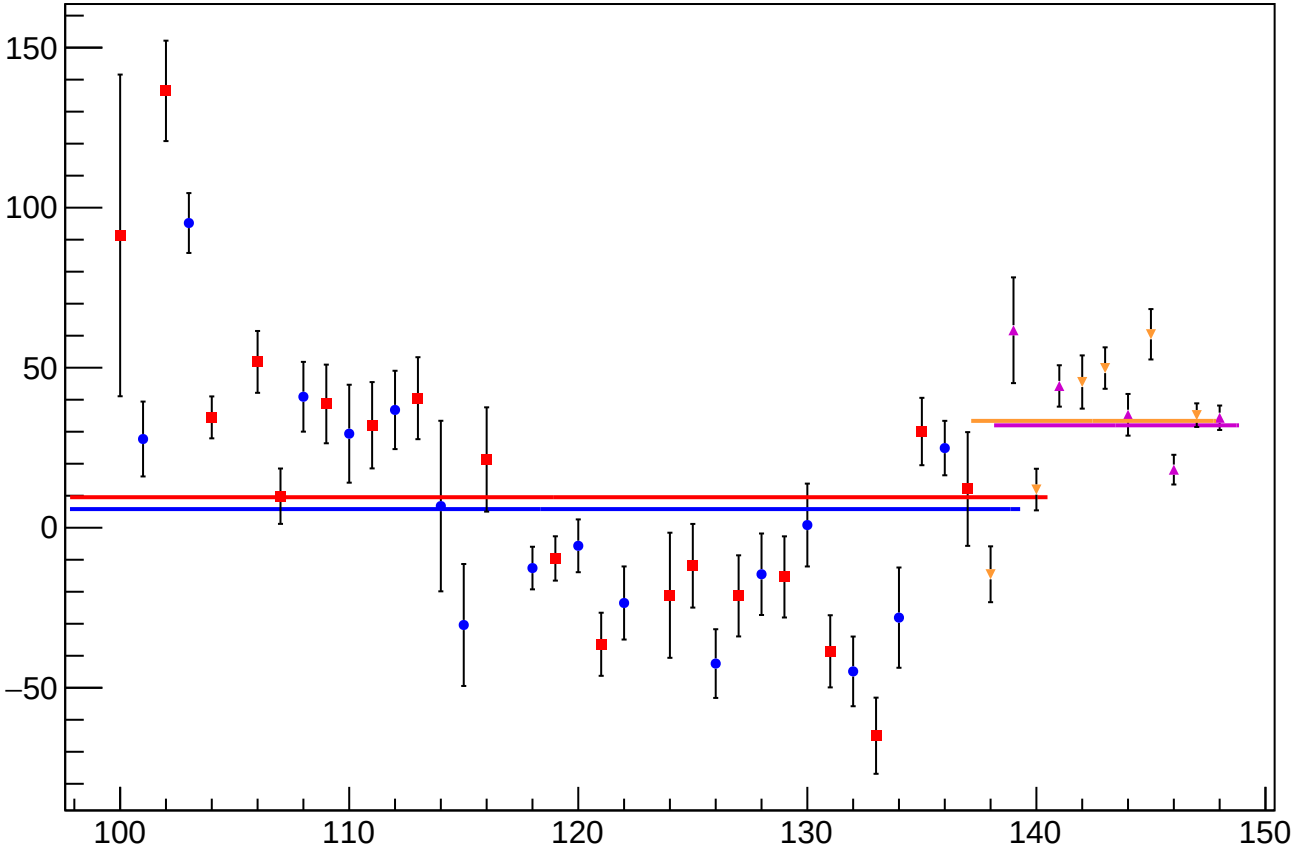
Left In: -483.727+/-3.859 χ^2/NDF:58.4/4

+ sign -447.227+/-2.165 χ^2/NDF: 1986.7/21

All: -441.707+/-1.511 χ^2/NDF: 4025.8/45

- sign -436.456+/-2.111 χ^2/NDF: 2026.4/23

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

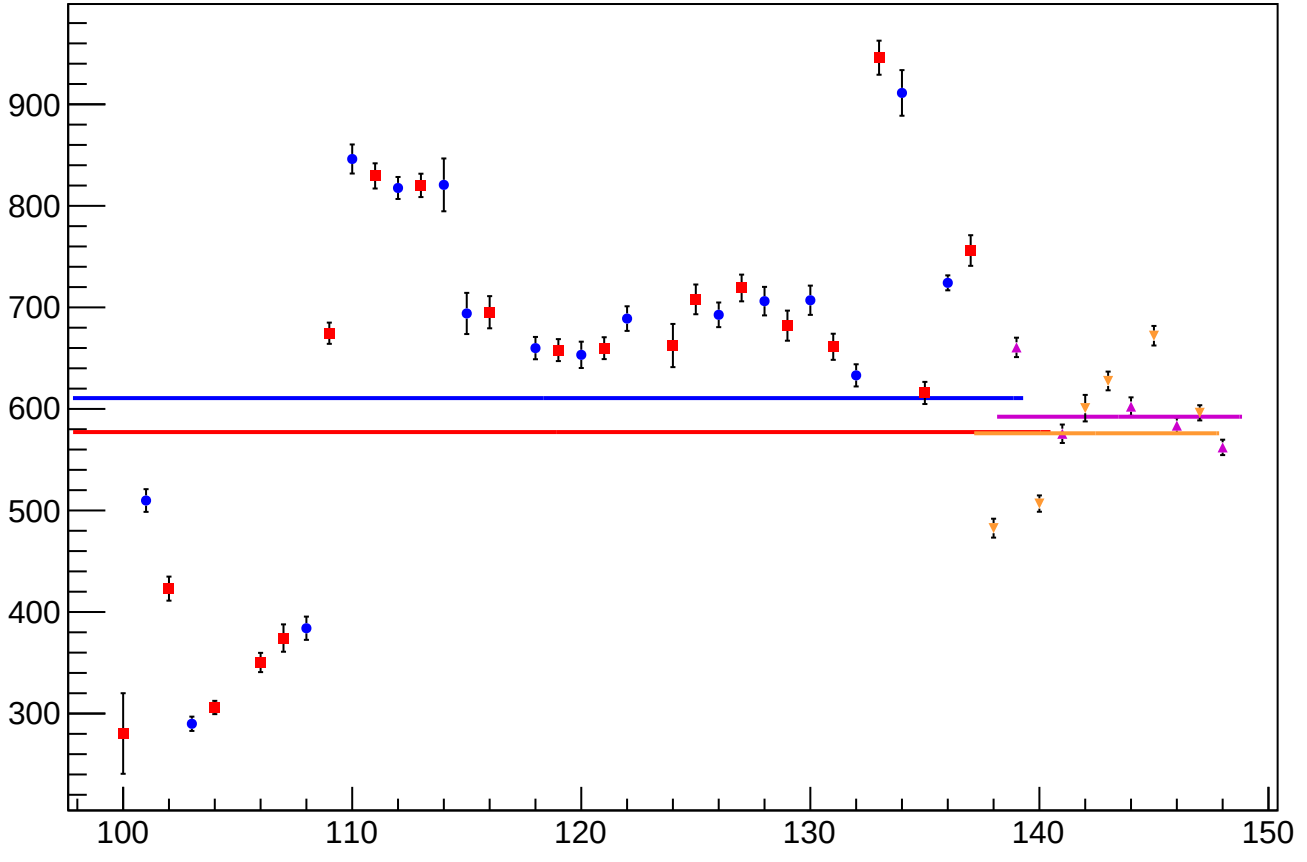
Left In: 31.995+/-2.452 χ^2/NDF:16.4/4

+ sign 21.005+/-1.828 χ^2/NDF: 306.1/21

All: 21.121+/-1.272 χ^2/NDF: 584.8/45

- sign 21.230+/-1.770 χ^2/NDF: 278.7/23

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

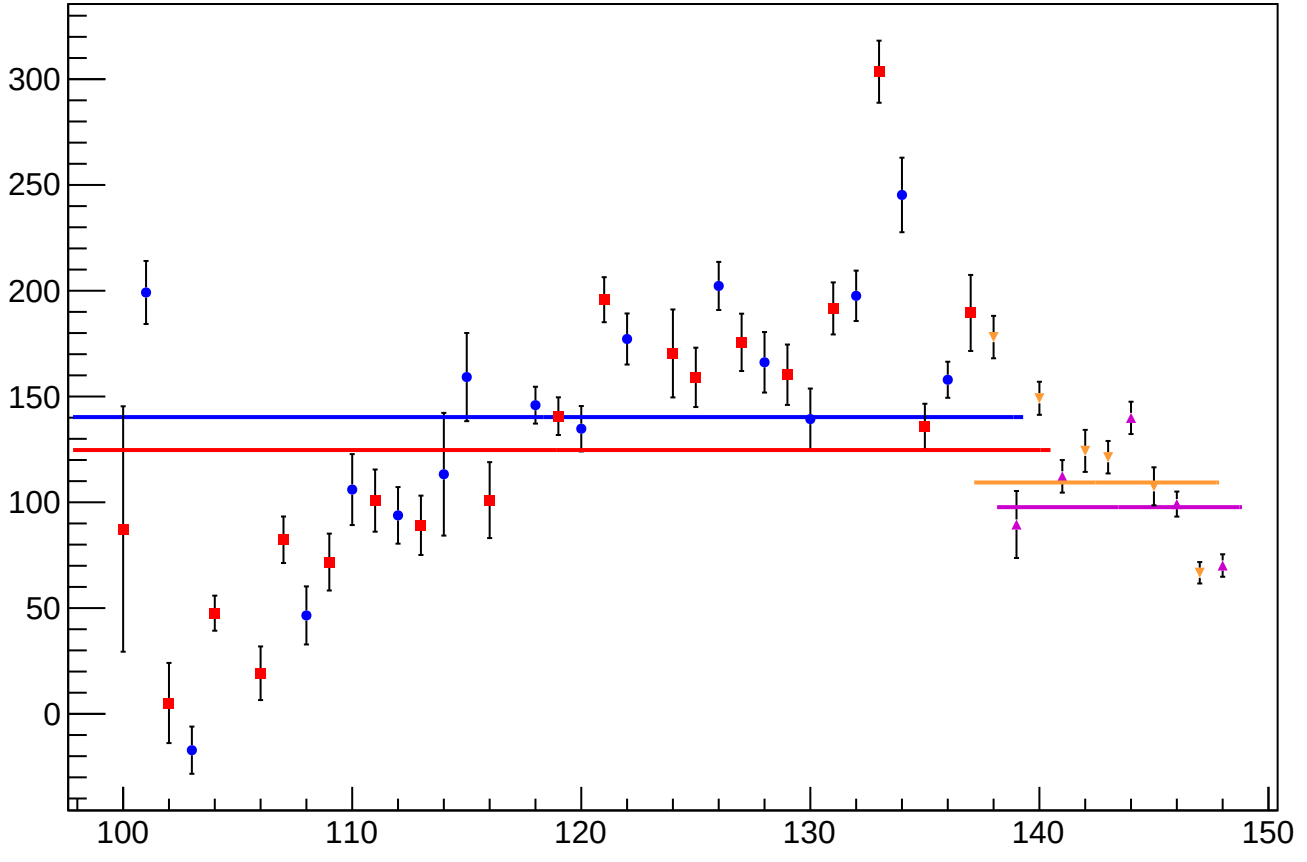
Left In: 592.337+/-3.825 χ^2/NDF:72.7/4

+ sign 597.501+/-2.278 χ^2/NDF: 4263.3/21

All: 589.796+/-1.595 χ^2/NDF: 9169.1/45

- sign 582.374+/-2.236 χ^2/NDF: 4883.3/23

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

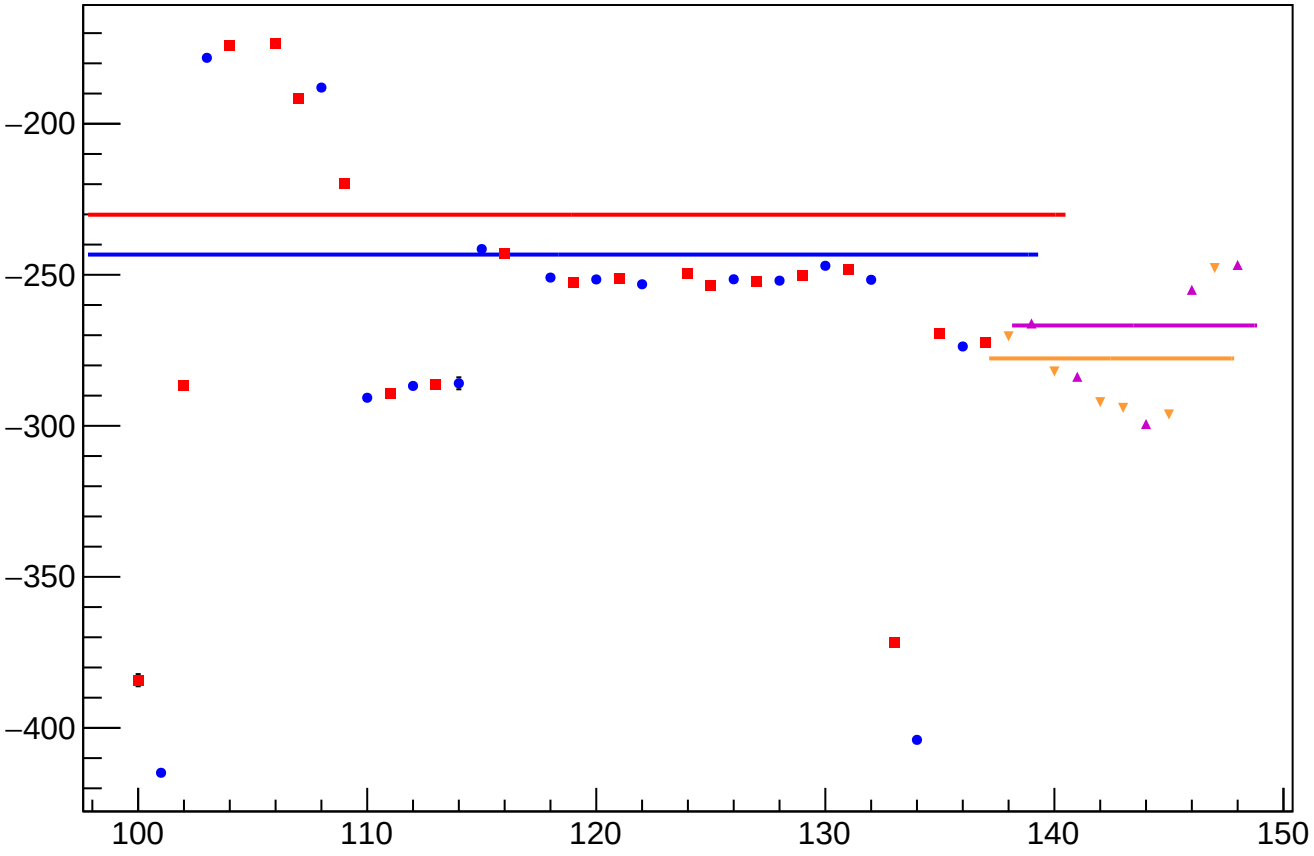
Left In: 97.710+/-3.131 χ^2/NDF:61.4/4

+ sign 124.510+/-2.206 χ^2/NDF: 583.2/21

All: 118.055+/-1.542 χ^2/NDF: 1208.9/45

- sign 111.876+/-2.158 χ^2/NDF: 608.9/23

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

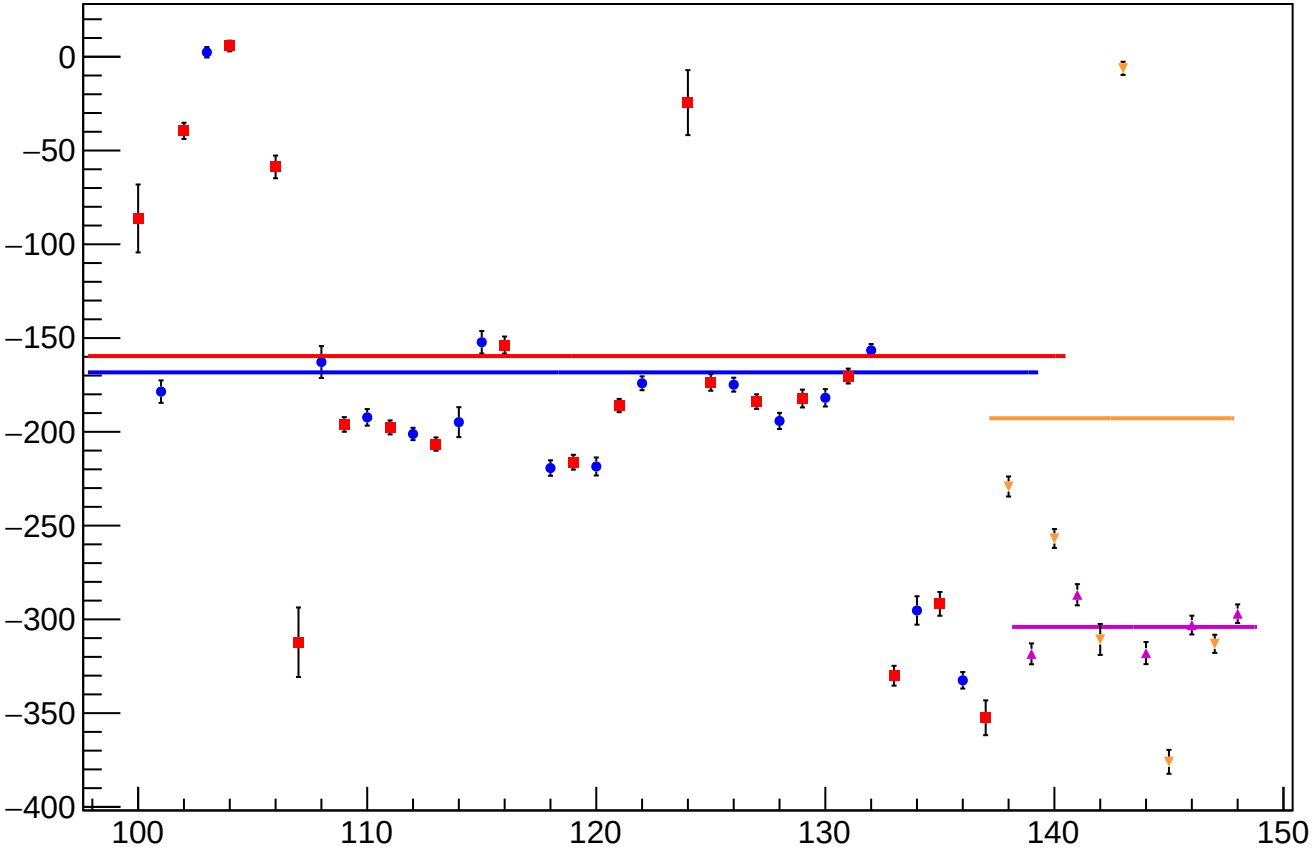
Left In: -266.779+/-0.156 χ^2/NDF:13952.5/4

+ sign -261.175+/-0.113 χ^2/NDF: 210240.4/21

All: -254.777+/-0.079 χ^2/NDF: 360344.1/45

- sign -248.577+/-0.111 χ^2/NDF: 143749.2/23

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

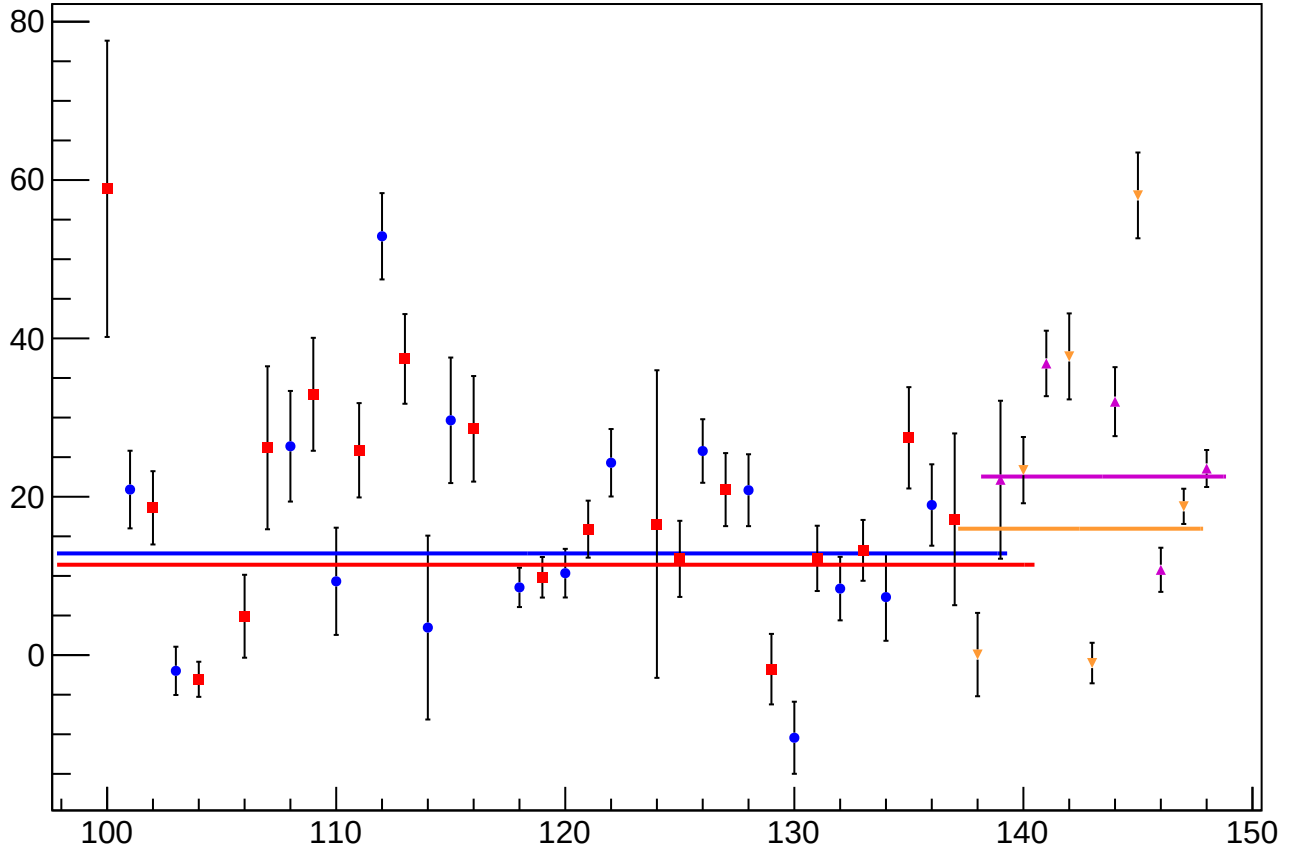
Left In: -304.030+/-2.406 χ^2/NDF:23.5/4

+ sign -173.565+/-0.953 χ^2/NDF: 10698.0/21

All: -177.976+/-0.675 χ^2/NDF: 20996.0/45

- sign -182.421+/-0.956 χ^2/NDF: 10254.9/23

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

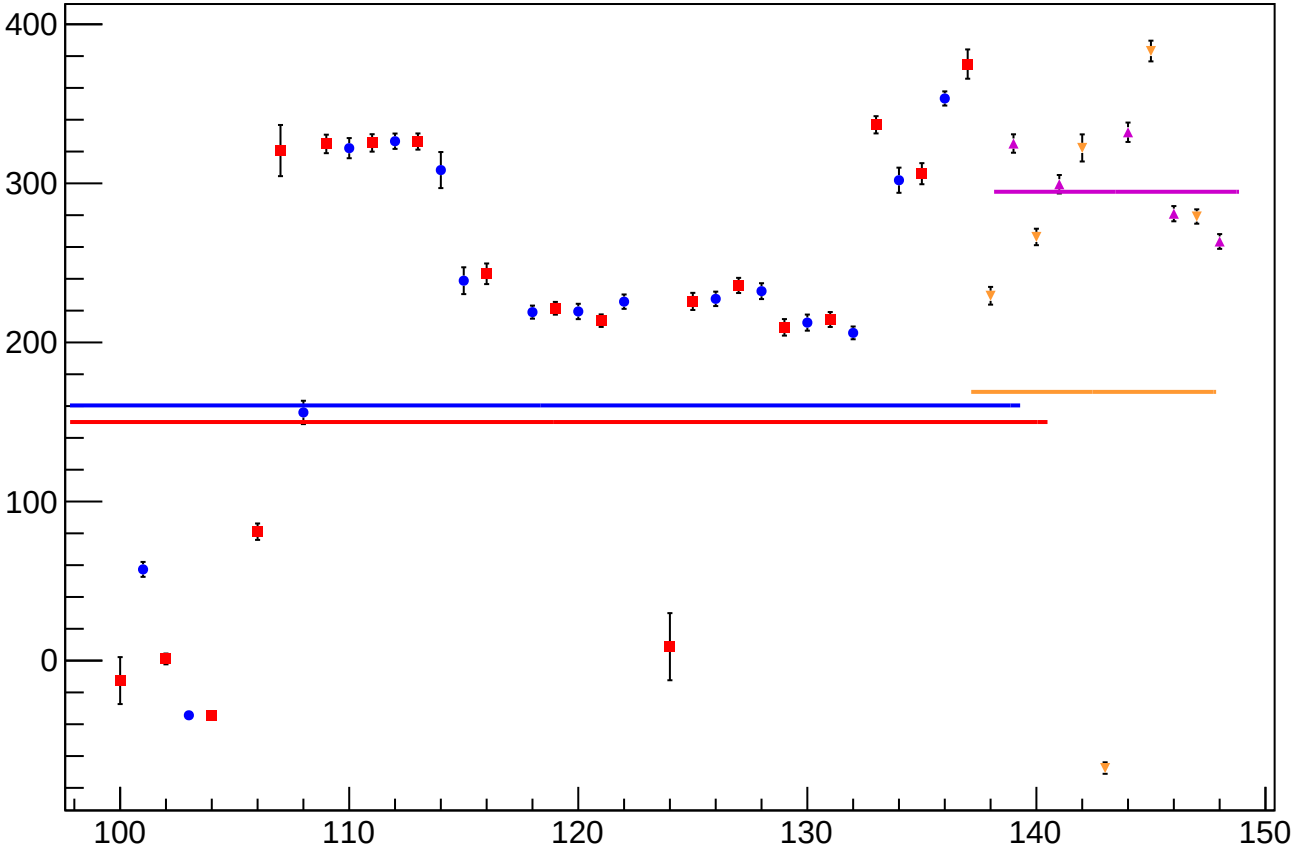
Left In: 22.551+/-1.519 χ^2/NDF:34.7/4

+ sign 14.010+/-0.852 χ^2/NDF: 281.1/21

All: 14.476+/-0.604 χ^2/NDF: 472.7/45

- sign 14.946+/-0.856 χ^2/NDF: 191.0/23

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

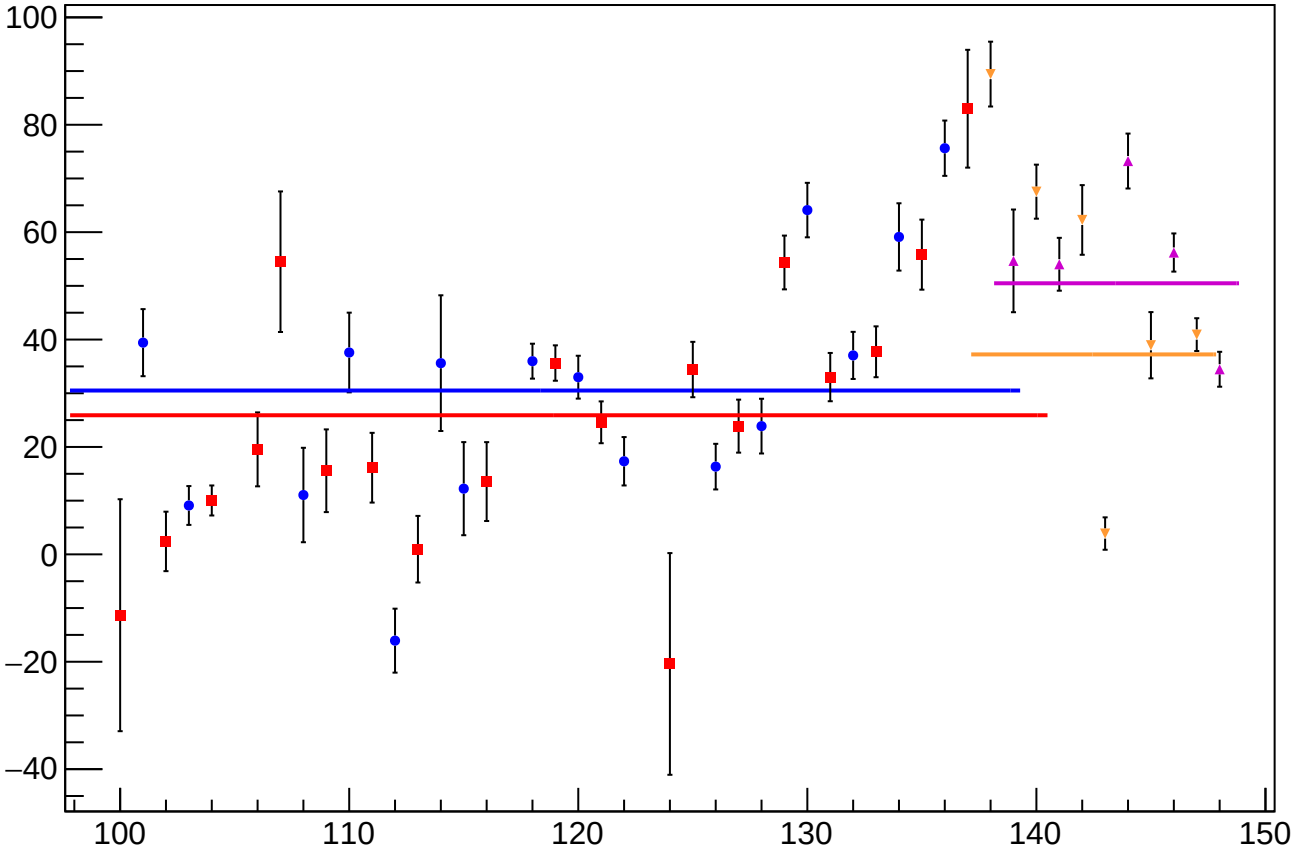
Left In: 294.715+/-2.381 χ^2/NDF:119.4/4

+ sign 162.381+/-0.998 χ^2/NDF: 20728.1/21

All: 169.005+/-0.708 χ^2/NDF: 40240.9/45

- sign 175.699+/-1.004 χ^2/NDF: 19424.3/23

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

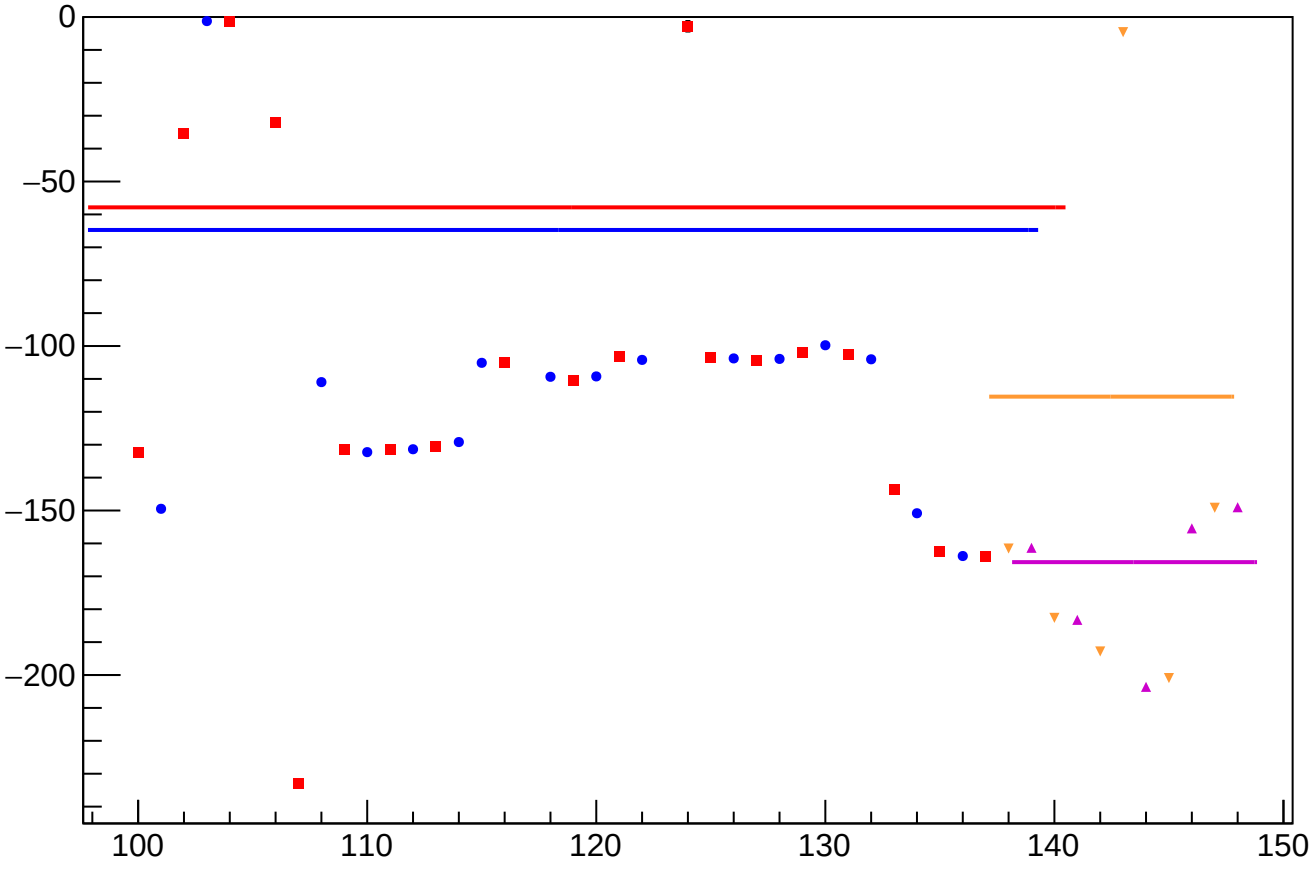
Left In: 50.481+/-1.945 χ^2/NDF:47.4/4

+ sign 32.827+/-1.016 χ^2/NDF: 536.6/21

All: 32.806+/-0.723 χ^2/NDF: 886.7/45

- sign 32.784+/-1.029 χ^2/NDF: 350.1/23

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

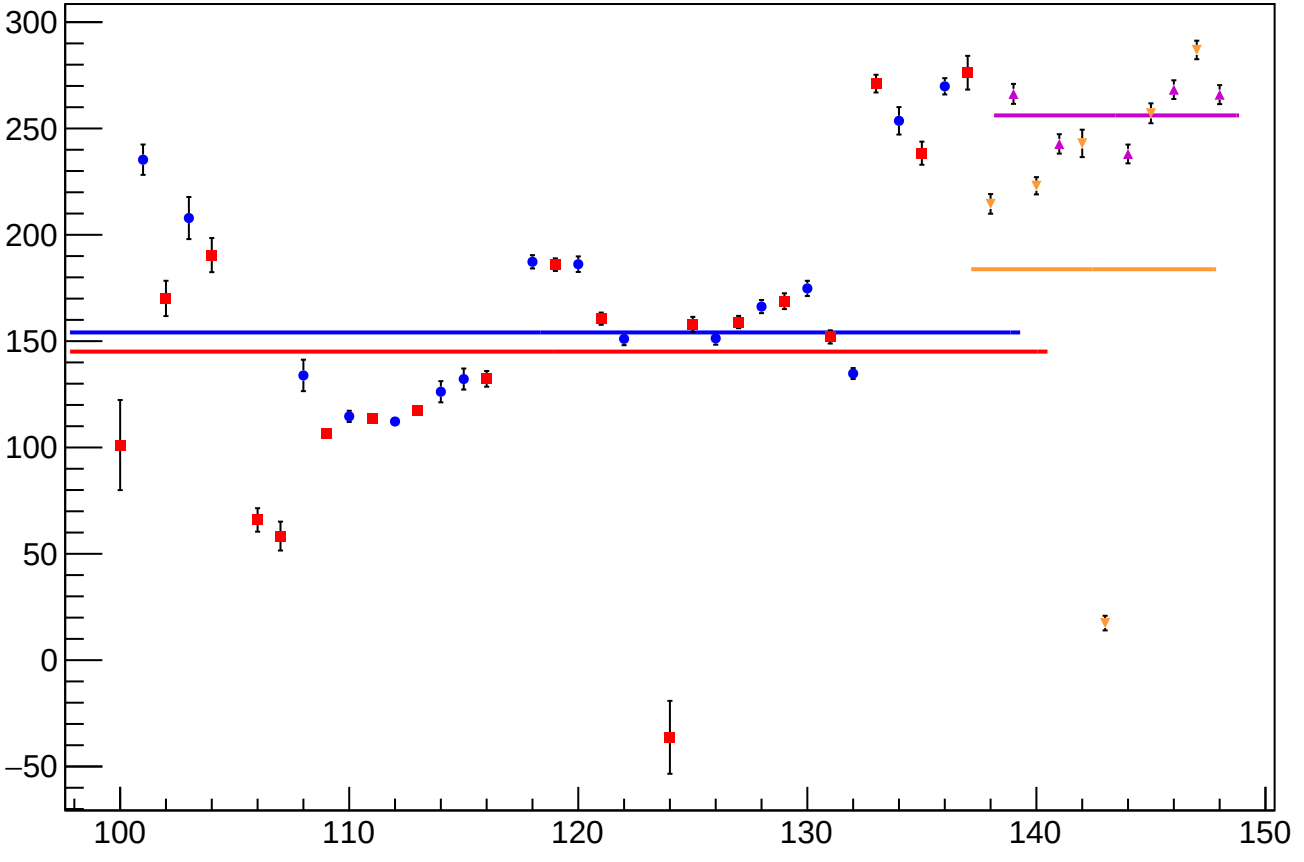
Left In: -165.688+/-0.097 χ^2/NDF:35494.6/4

+ sign -82.361+/-0.052 χ^2/NDF: 2125248.1/21

All: -85.764+/-0.037 χ^2/NDF: 3922580.7/45

- sign -89.275+/-0.052 χ^2/NDF: 1788463.6/23

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

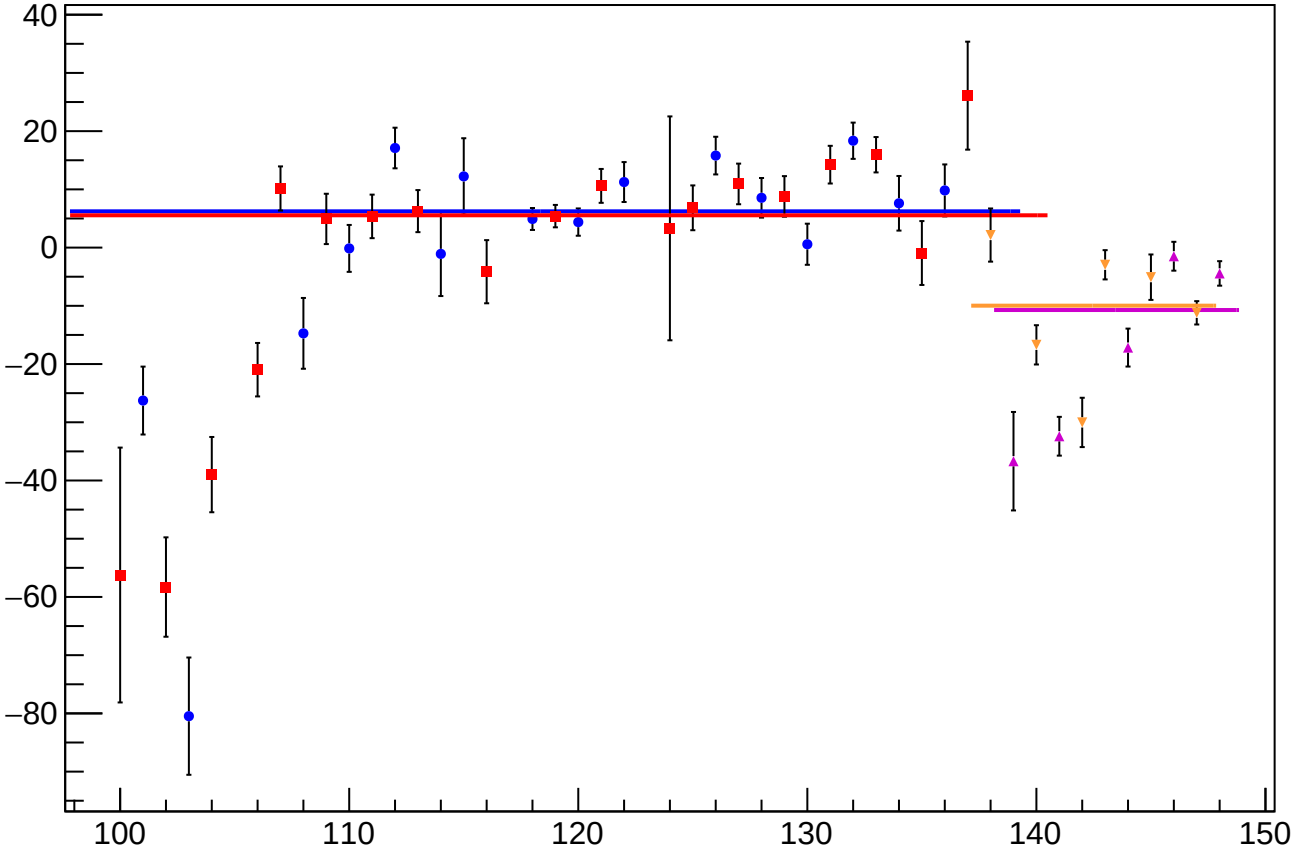
Left In: 256.147+/-2.013 χ^2/NDF:42.5/4

+ sign 159.793+/-0.781 χ^2/NDF: 5864.6/21

All: 160.452+/-0.546 χ^2/NDF: 11471.1/45

- sign 161.083+/-0.764 χ^2/NDF: 5605.2/23

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

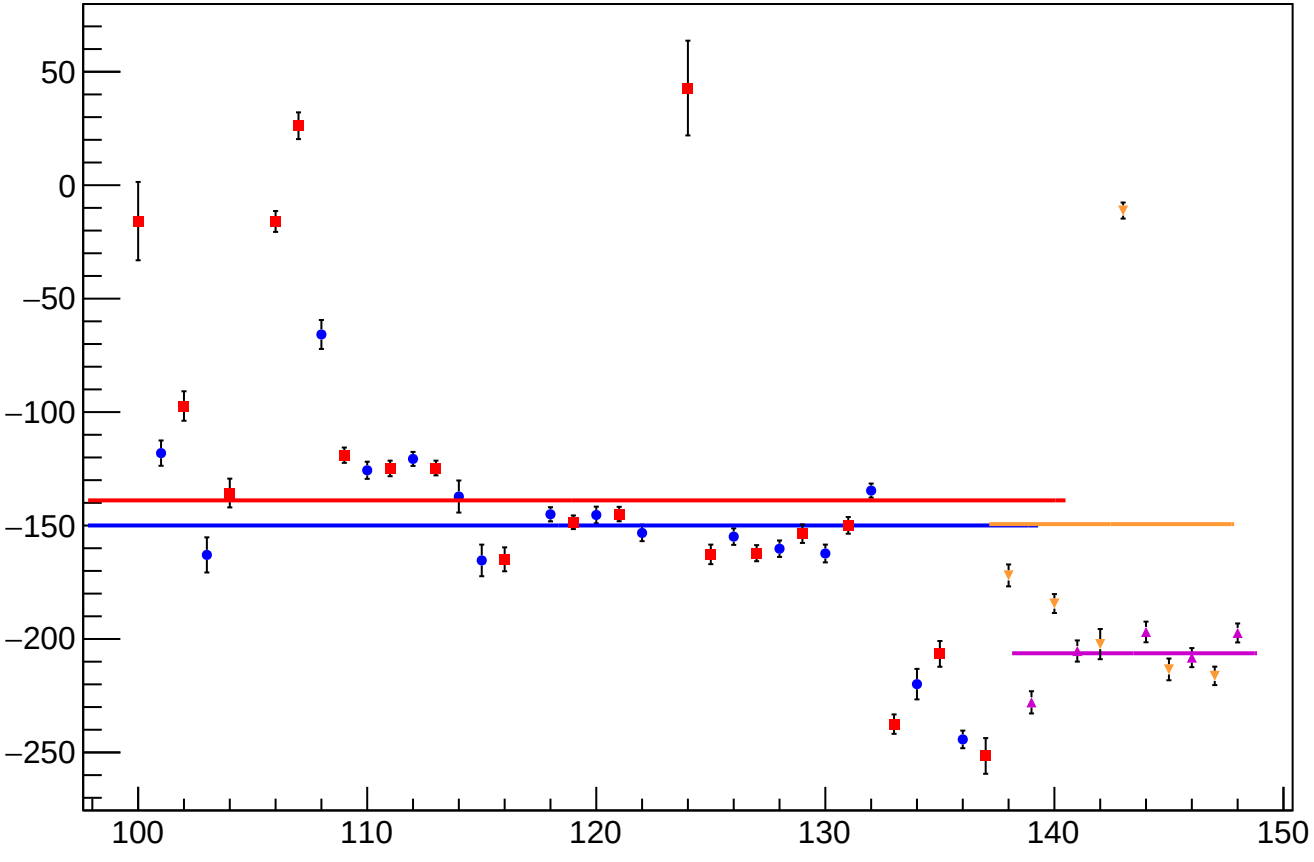
Left In: -10.721+/-1.305 χ^2/NDF:78.5/4

+ sign 0.642+/-0.720 χ^2/NDF: 319.6/21

All: 0.518+/-0.514 χ^2/NDF: 685.4/45

- sign 0.389+/-0.735 χ^2/NDF: 365.8/23

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

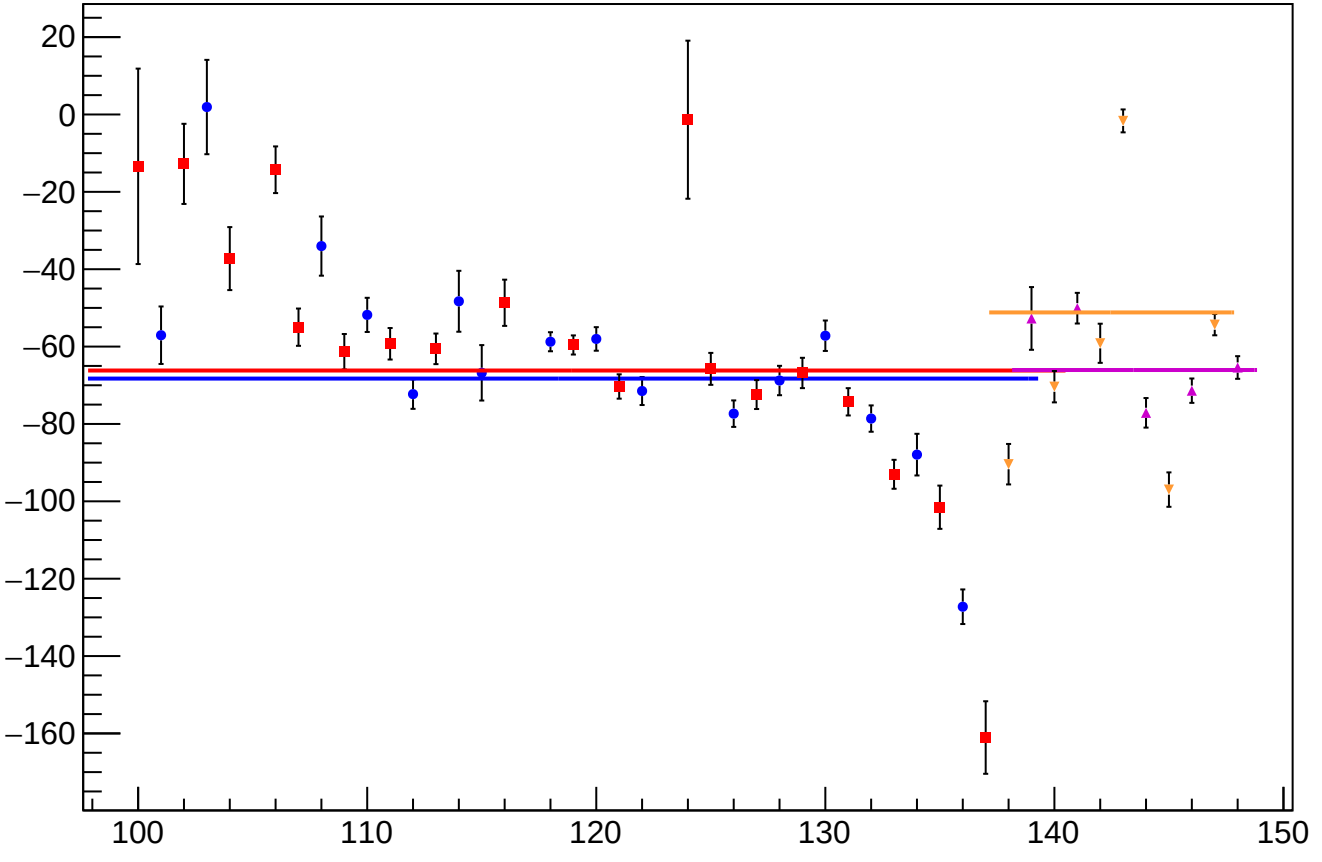
Left In: -206.291+/-2.002 χ^2/NDF:28.6/4

+ sign -149.826+/-0.892 χ^2/NDF: 3225.0/21

All: -151.029+/-0.630 χ^2/NDF: 6917.1/45

- sign -152.227+/-0.890 χ^2/NDF: 3688.5/23

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

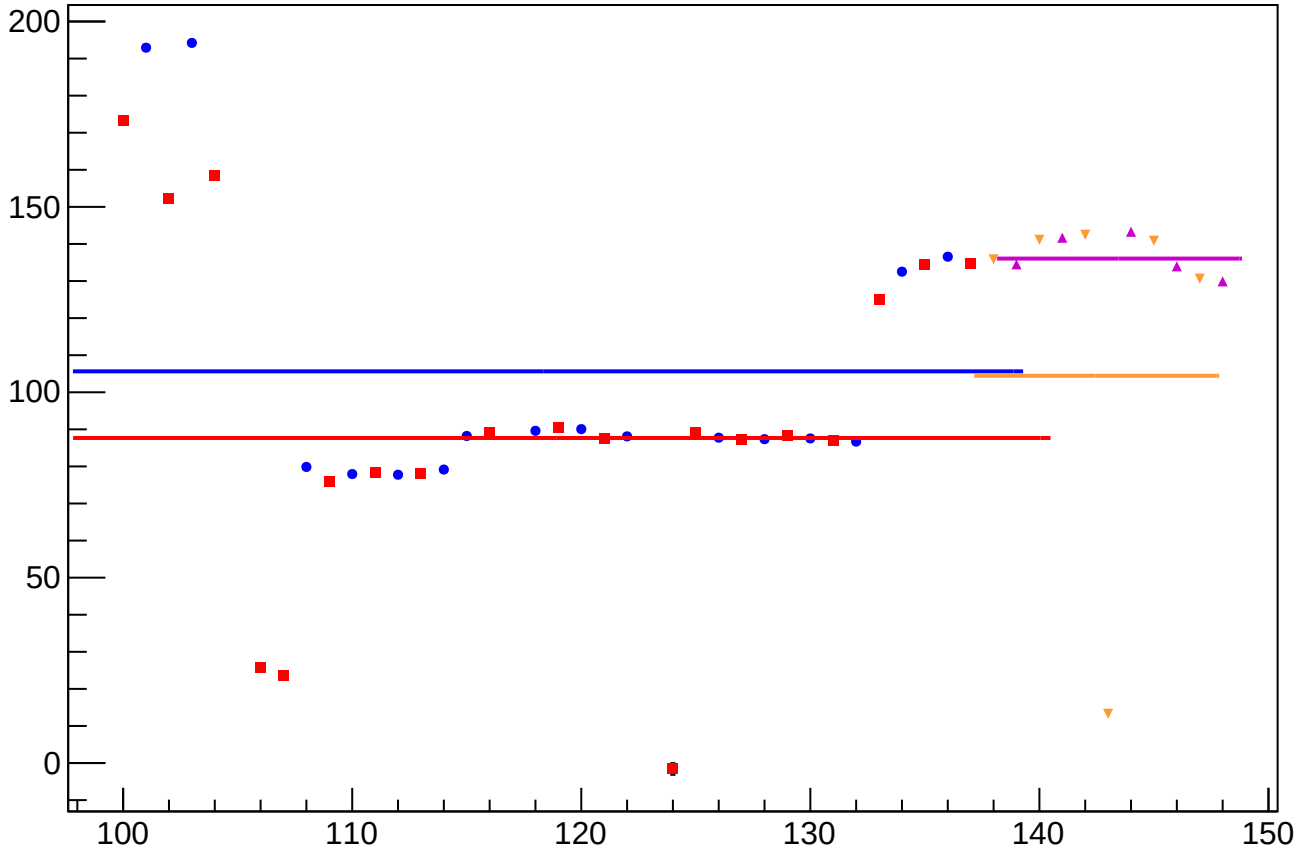
Left In: -66.056+/-1.656 χ^2/NDF:30.3/4

+ sign -62.864+/-0.854 χ^2/NDF: 869.9/21

All: -64.476+/-0.610 χ^2/NDF: 1265.8/45

- sign -66.150+/-0.871 χ^2/NDF: 388.6/23

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

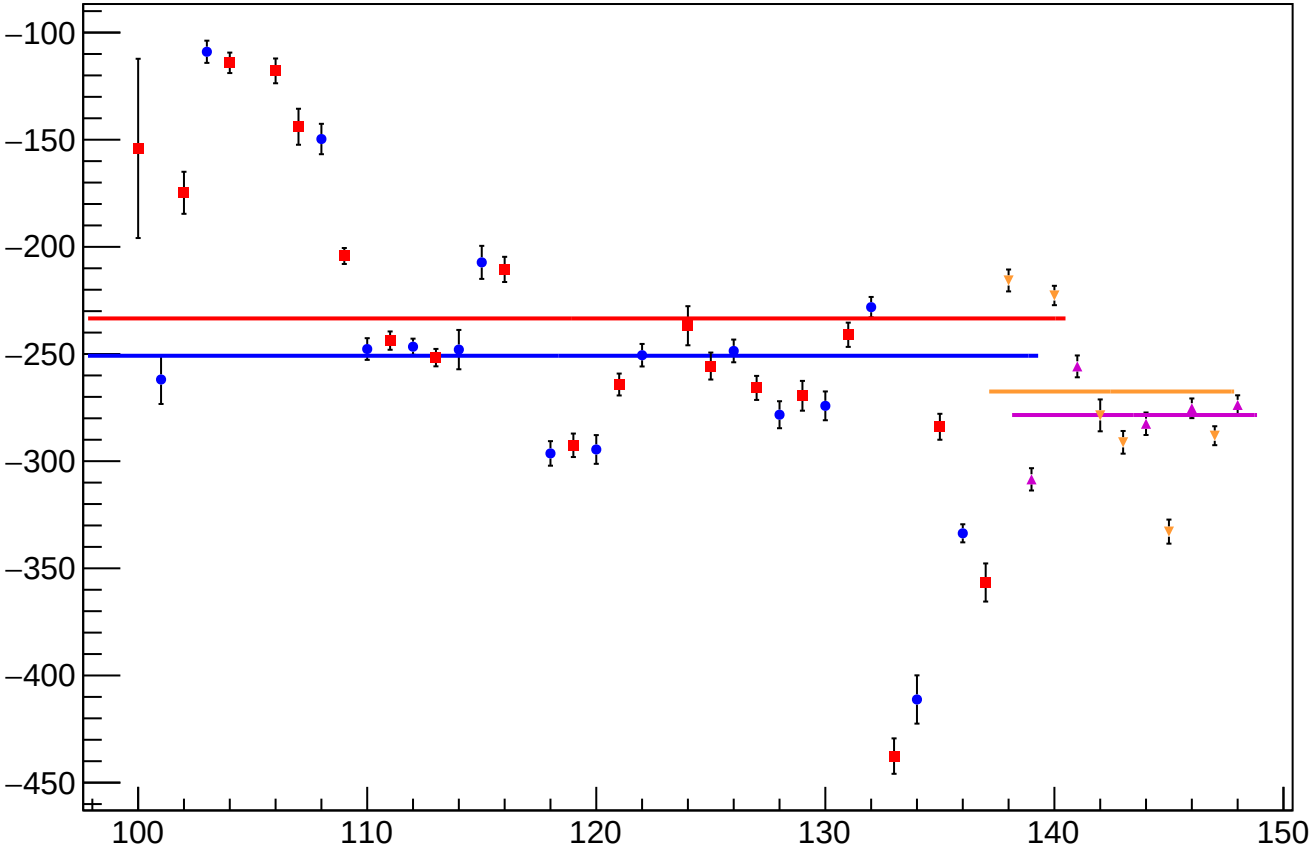
Left In: 136.058+/-0.082 χ^2/NDF:3658.0/4

+ sign 105.089+/-0.052 χ^2/NDF: 766364.9/21

All: 105.866+/-0.036 χ^2/NDF: 1357839.8/45

- sign 106.626+/-0.051 χ^2/NDF: 591029.7/23

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

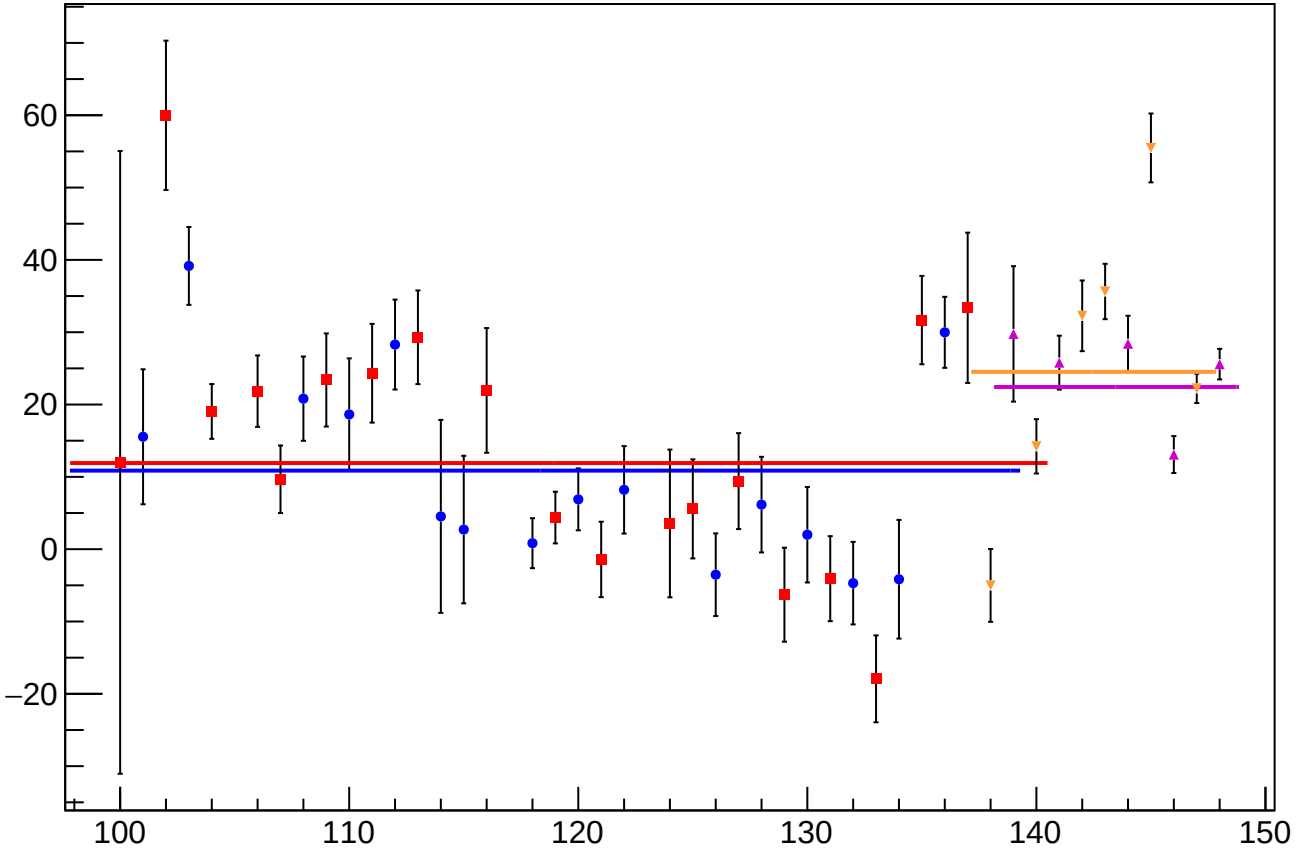
Left In: -278.461+/-2.188 χ^2/NDF:55.3/4

+ sign -256.094+/-1.189 χ^2/NDF: 2159.0/21

All: -250.618+/-0.822 χ^2/NDF: 4942.7/45

- sign -245.595+/-1.139 χ^2/NDF: 2743.0/23

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

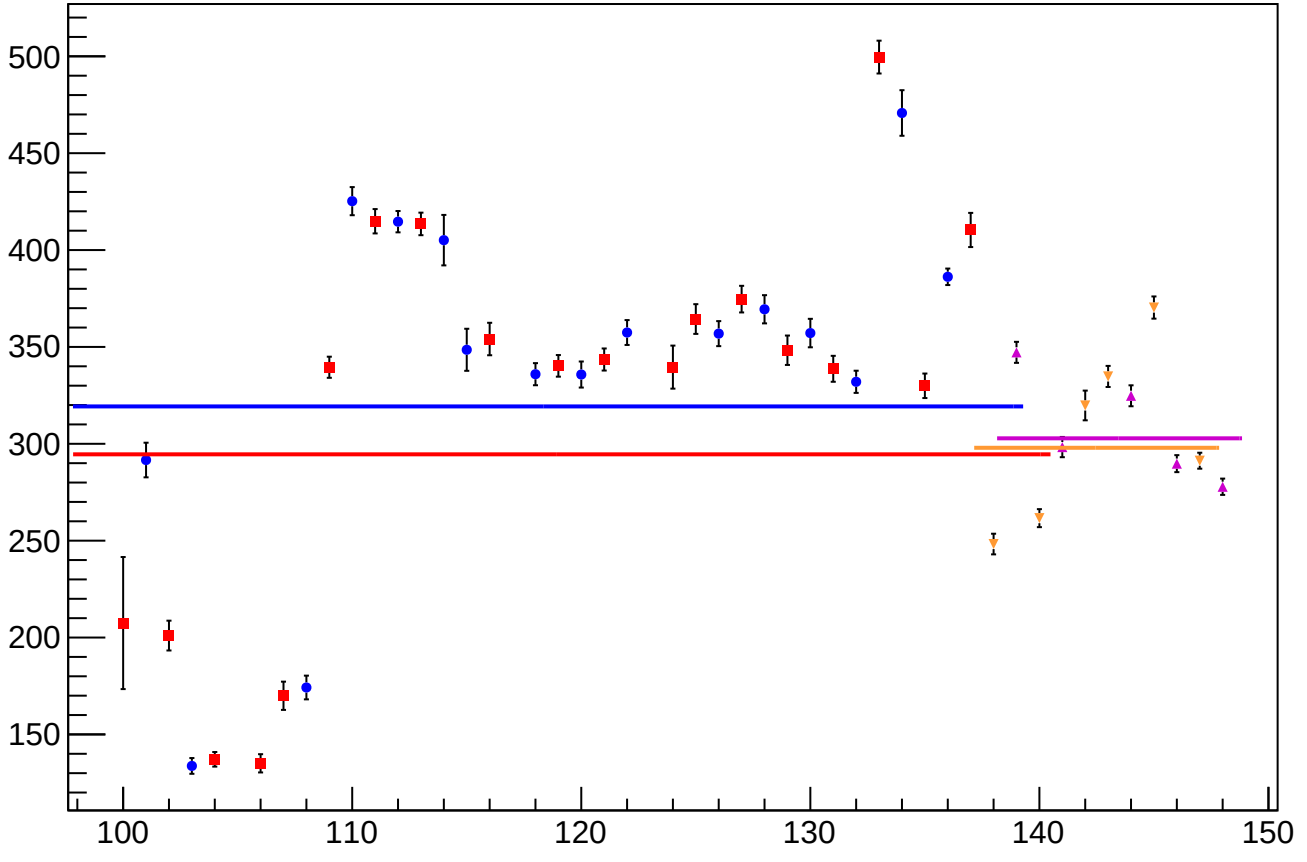
Left In: 22.429+/-1.378 χ^2/NDF:19.4/4

+ sign 18.008+/-1.016 χ^2/NDF: 226.2/21

All: 17.550+/-0.702 χ^2/NDF: 387.2/45

- sign 17.132+/-0.971 χ^2/NDF: 160.7/23

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

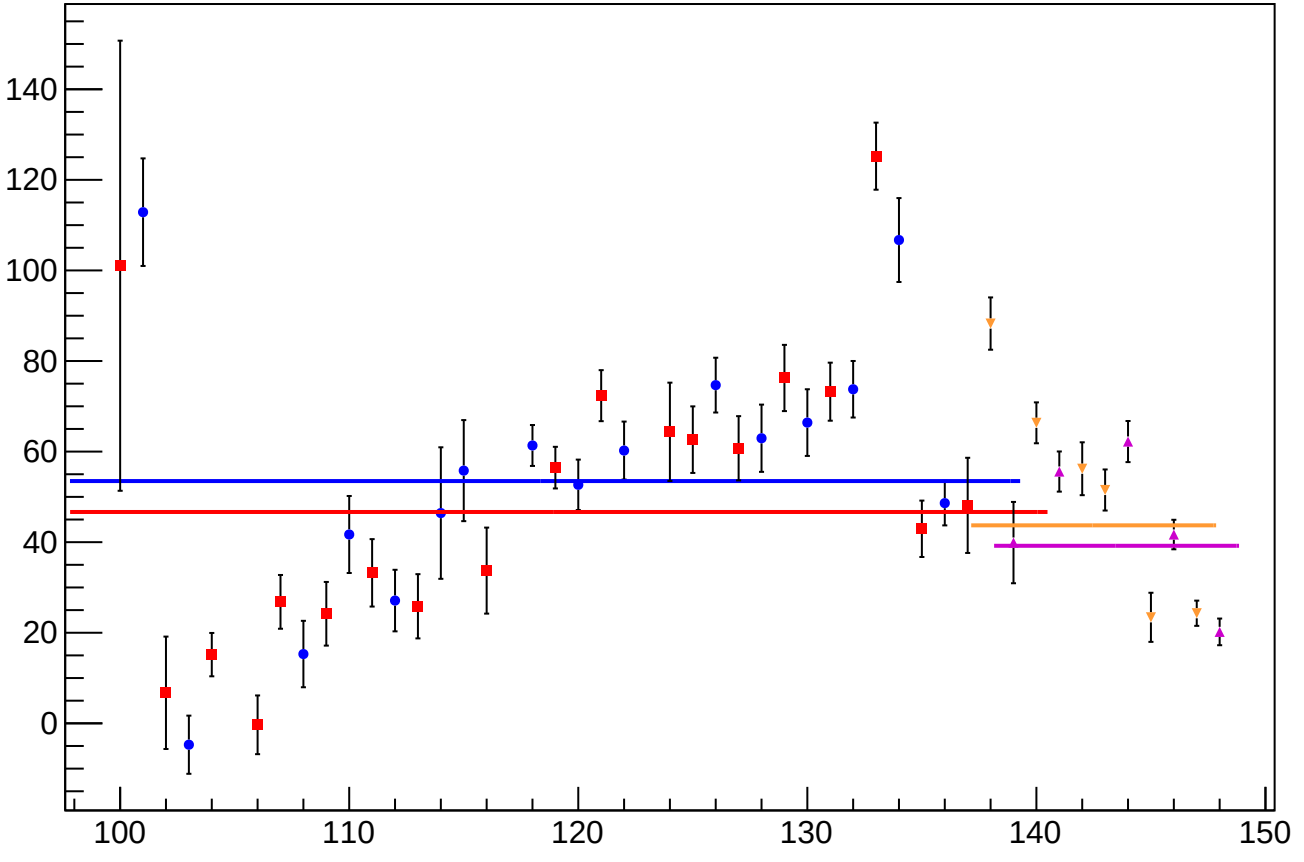
Left In: 302.828+/-2.165 χ^2/NDF:128.4/4

+ sign 311.650+/-1.271 χ^2/NDF: 4222.0/21

All: 304.146+/-0.881 χ^2/NDF: 9930.6/45

- sign 297.202+/-1.223 χ^2/NDF: 5641.5/23

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

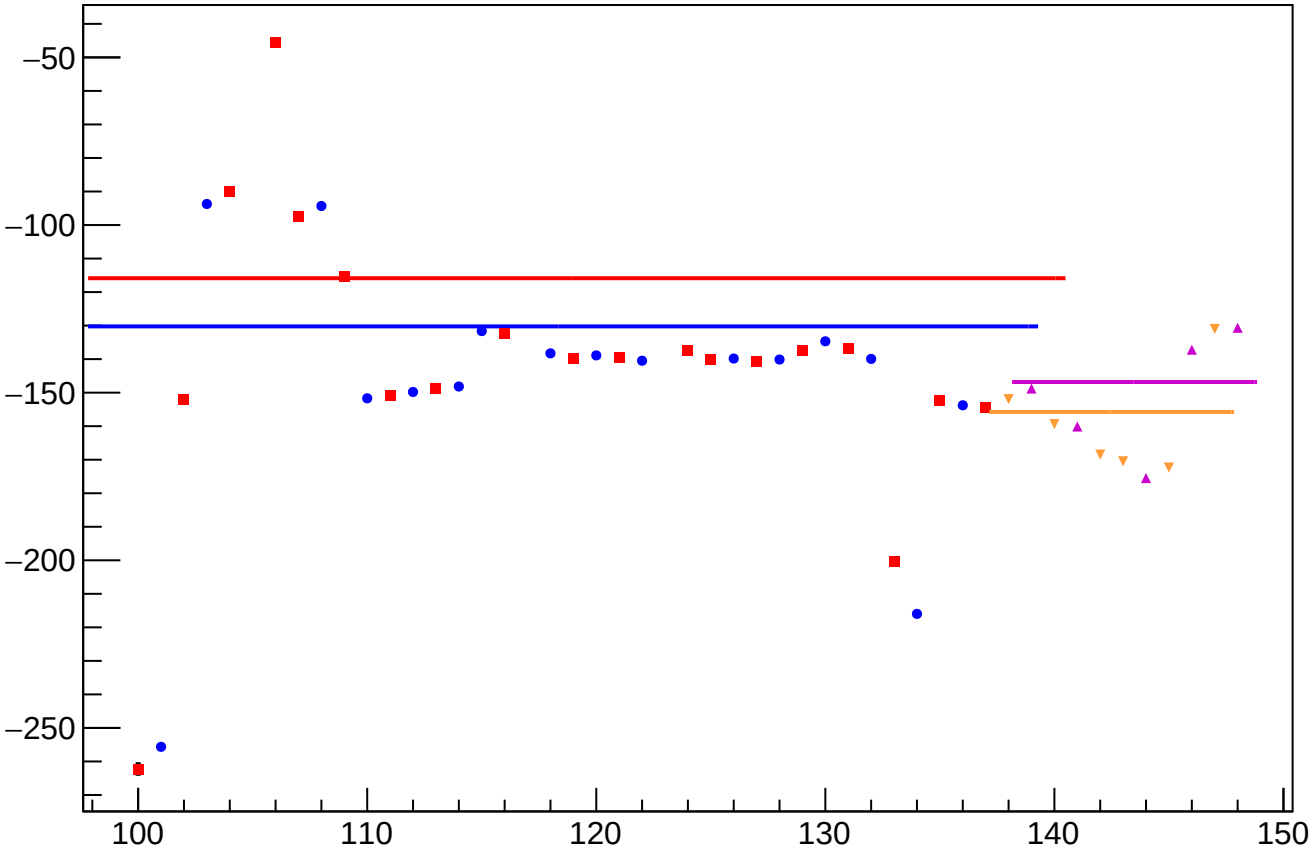
Left In: 39.202+/-1.764 χ^2/NDF:81.7/4

+ sign 48.800+/-1.225 χ^2/NDF: 387.9/21

All: 45.959+/-0.851 χ^2/NDF: 815.5/45

- sign 43.312+/-1.182 χ^2/NDF: 417.2/23

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

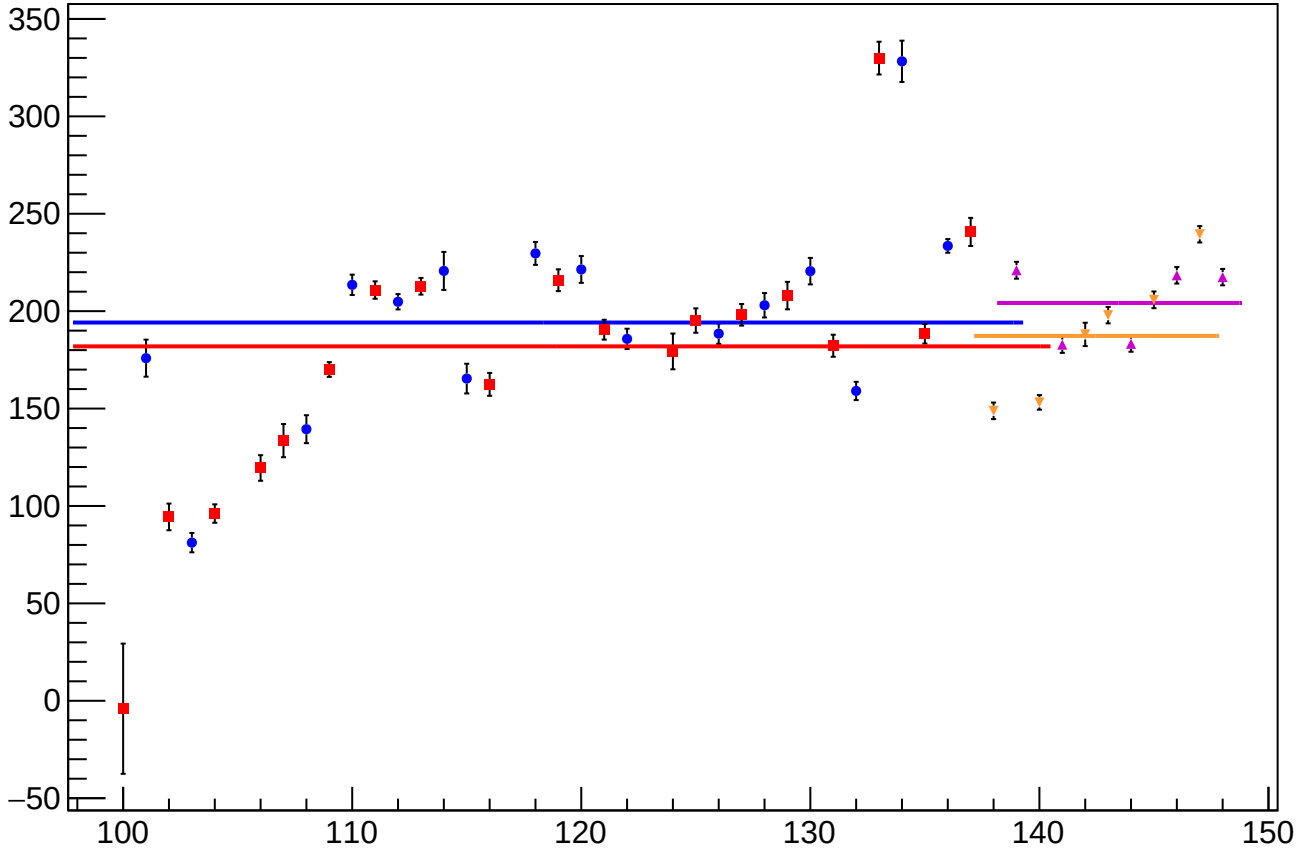
Left In: -146.815+/-0.088 χ^2/NDF:29582.2/4

+ sign -143.162+/-0.064 χ^2/NDF: 244063.8/21

All: -136.778+/-0.044 χ^2/NDF: 561938.2/45

- sign -130.875+/-0.062 χ^2/NDF: 298705.9/23

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

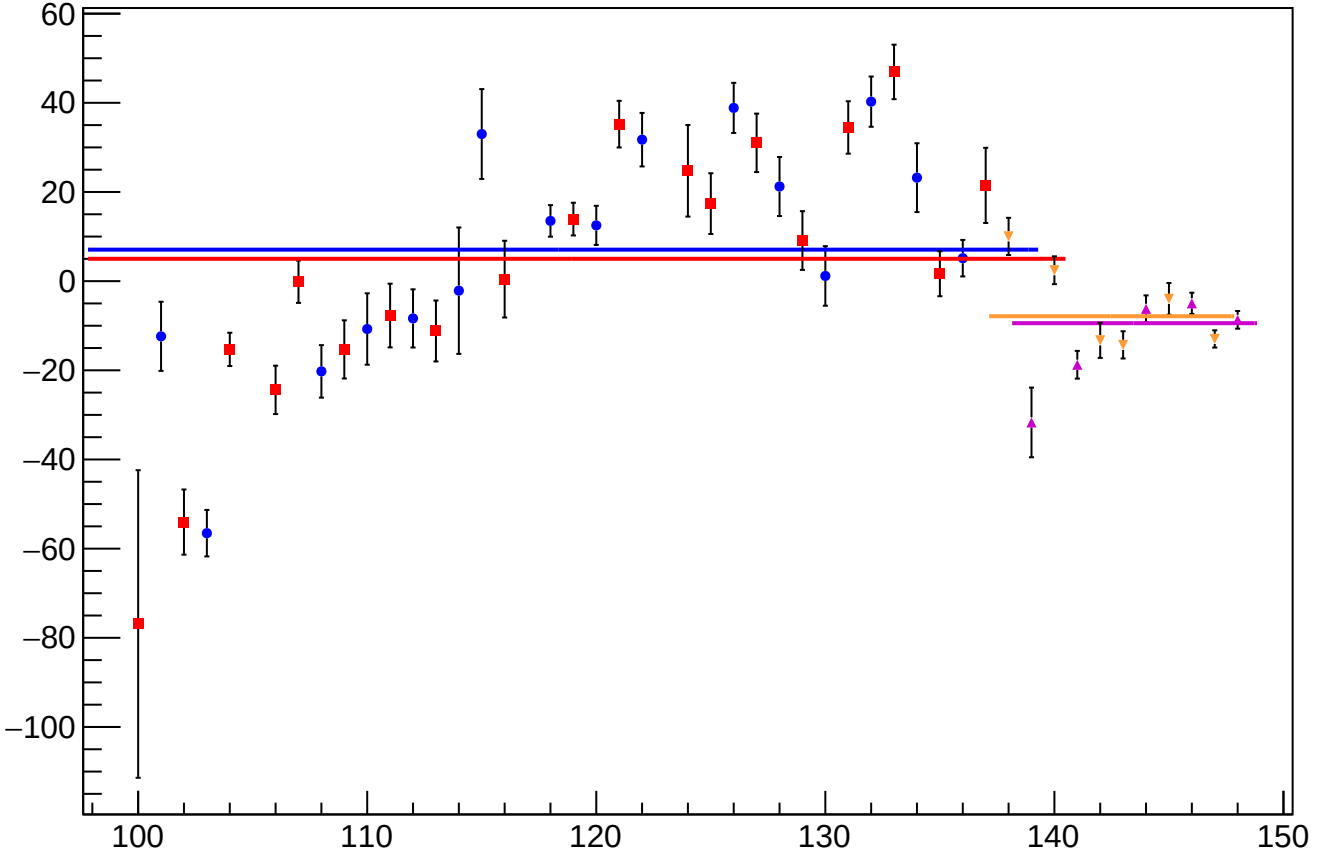
Left In: 204.205+/-1.889 χ^2/NDF:87.7/4

+ sign 191.495+/-1.100 χ^2/NDF: 1388.1/21

All: 190.357+/-0.772 χ^2/NDF: 2776.1/45

- sign 189.253+/-1.083 χ^2/NDF: 1385.9/23

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

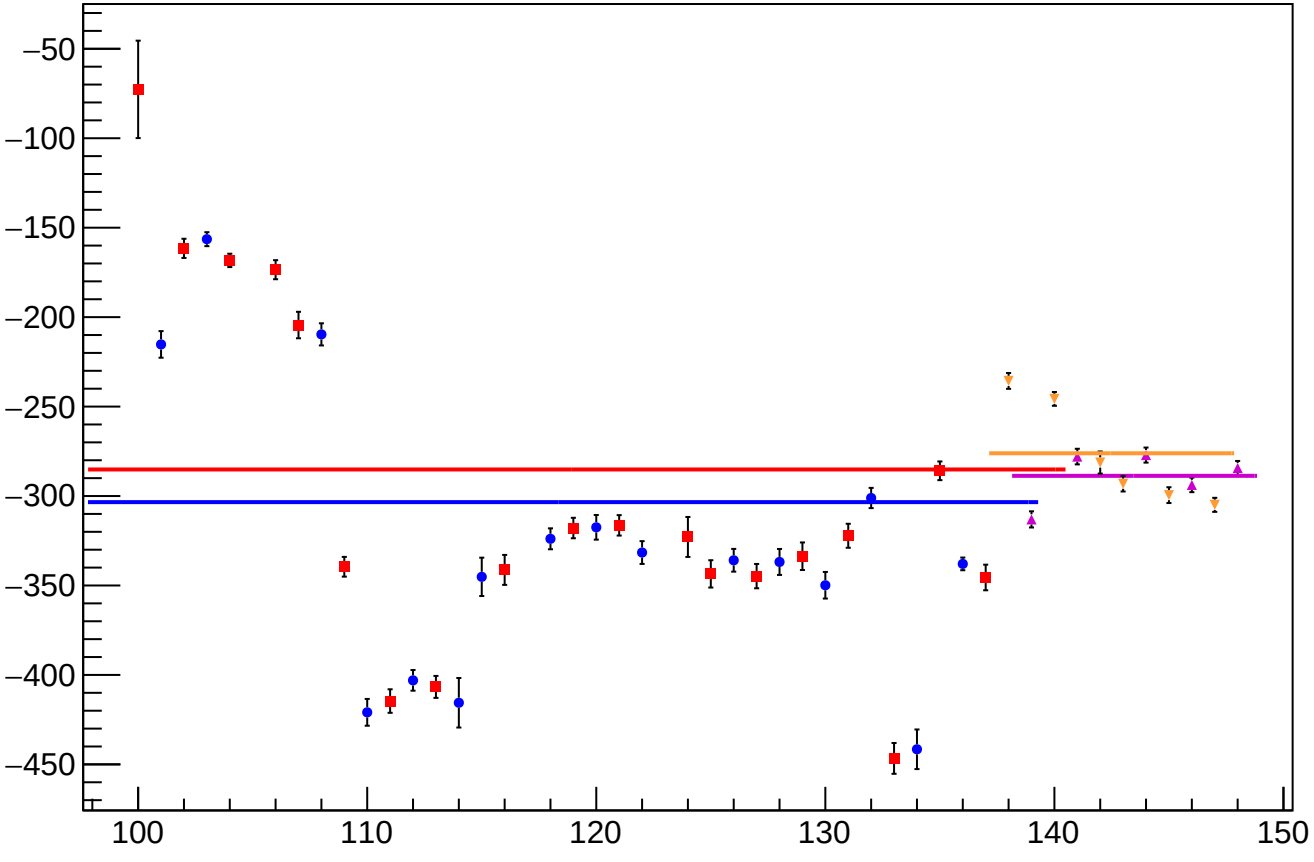
Left In: -9.425+/-1.230 χ^2/NDF:21.9/4

+ sign -1.678+/-0.929 χ^2/NDF: 399.2/21

All: -2.300+/-0.650 χ^2/NDF: 772.7/45

- sign -2.898+/-0.911 χ^2/NDF: 372.6/23

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

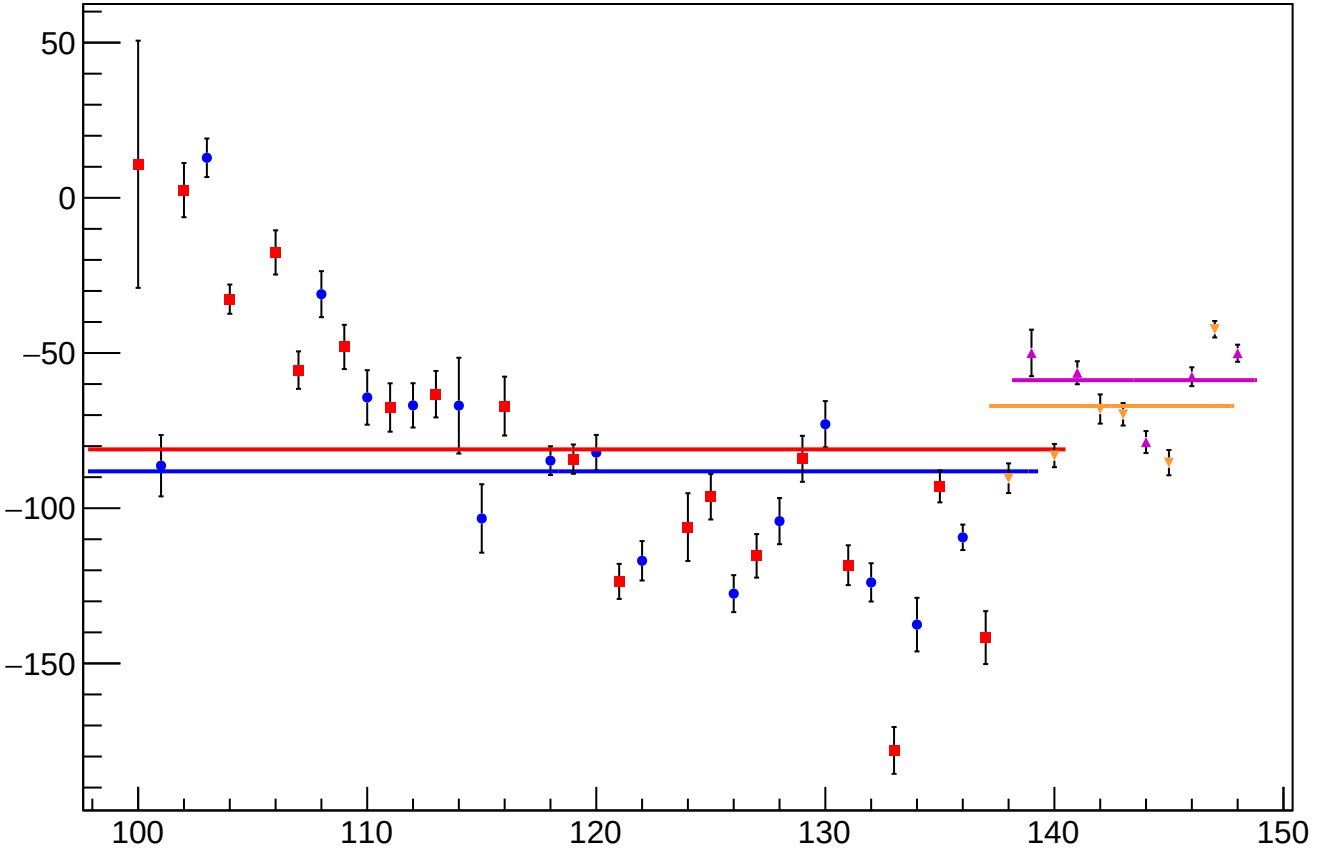
Left In: -288.706+/-1.879 χ^2/NDF:45.5/4

+ sign -291.838+/-1.162 χ^2/NDF: 3164.4/21

All: -289.127+/-0.817 χ^2/NDF: 6977.8/45

- sign -286.476+/-1.149 χ^2/NDF: 3802.6/23

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

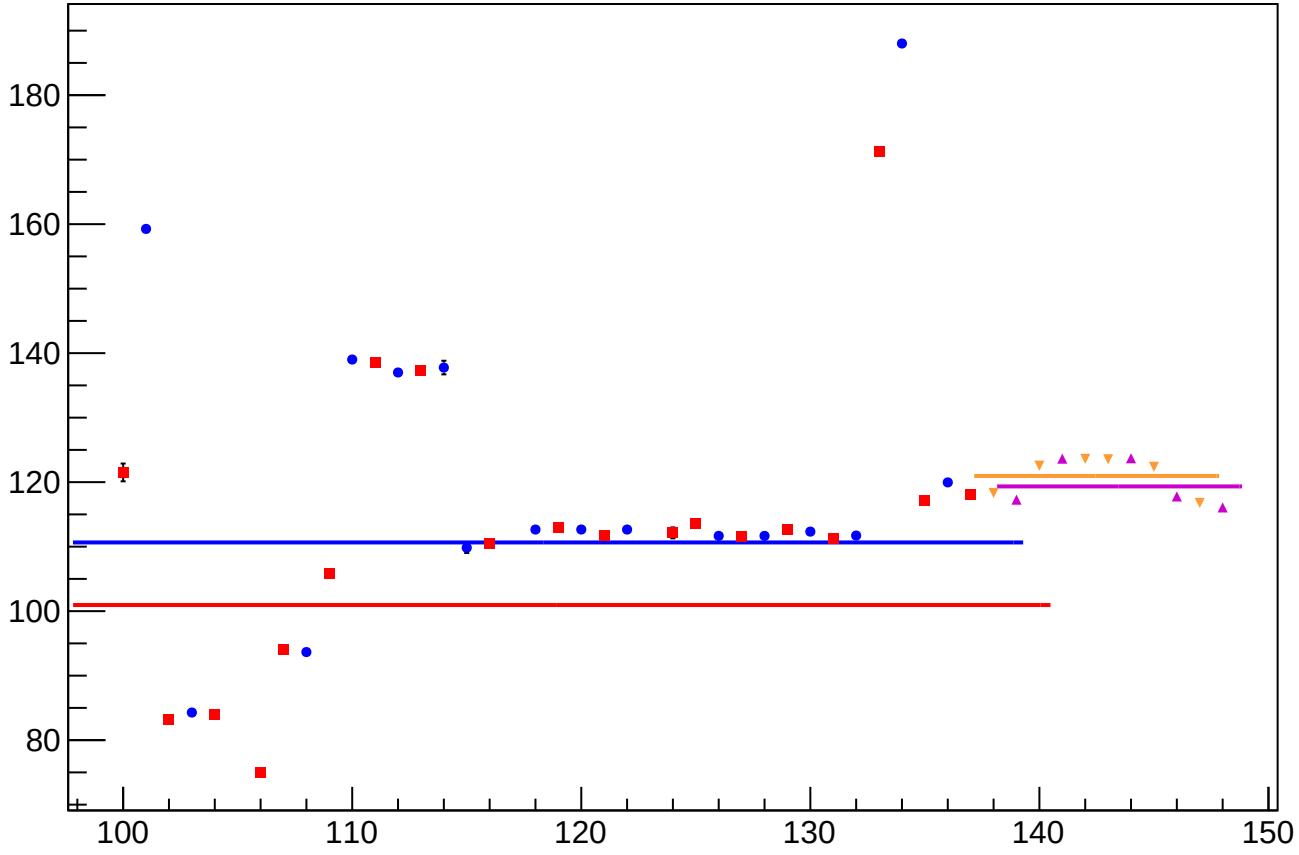
Left In: -58.750+/-1.560 χ^2/NDF:43.6/4

+ sign -76.618+/-1.115 χ^2/NDF: 749.8/21

All: -73.199+/-0.785 χ^2/NDF: 1591.2/45

- sign -69.834+/-1.106 χ^2/NDF: 822.7/23

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

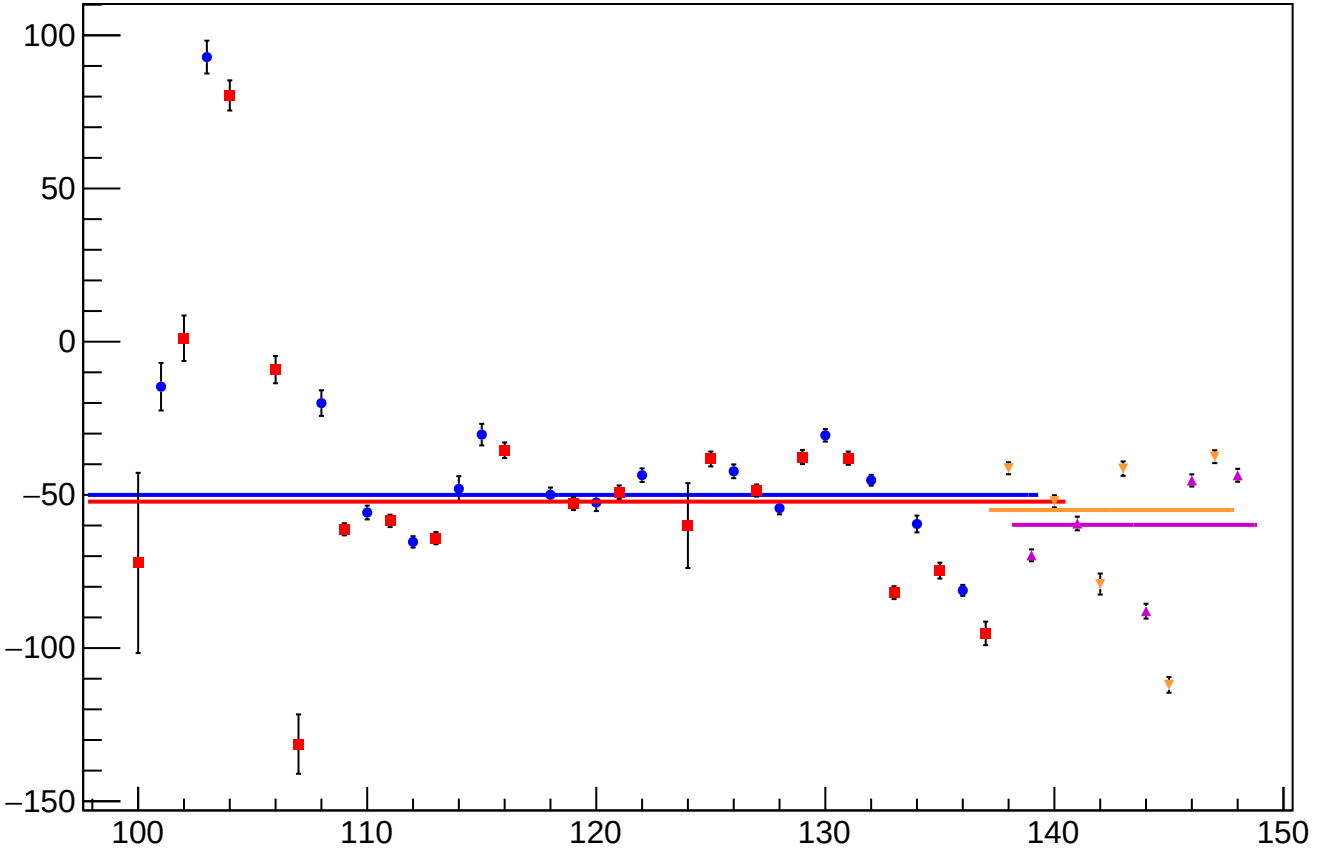
Left In: 119.338+/-0.077 χ^2/NDF:1776.2/4

+ sign 116.486+/-0.057 χ^2/NDF: 92947.0/21

All: 113.520+/-0.040 χ^2/NDF: 189337.1/45

- sign 110.643+/-0.056 χ^2/NDF: 90965.7/23

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

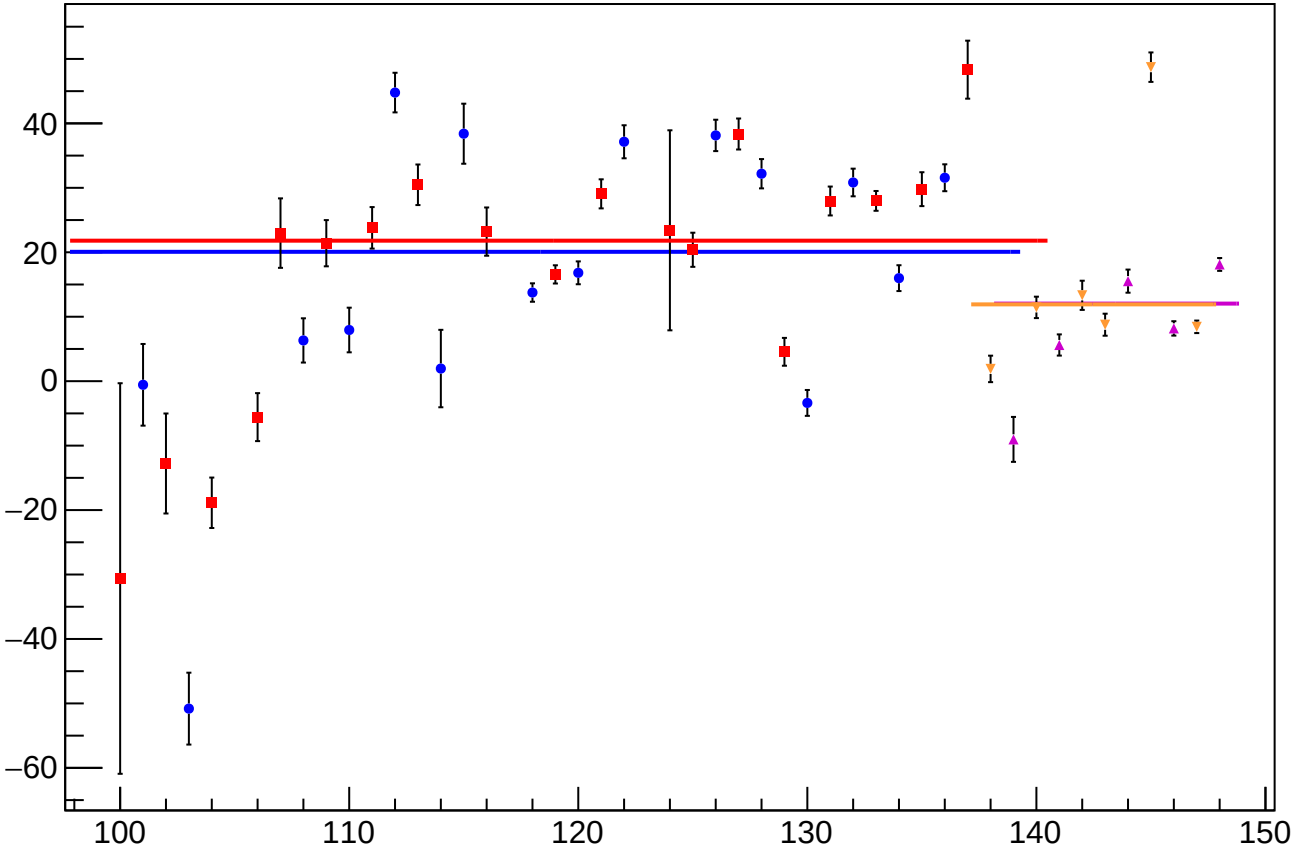
Left In: -59.787+/-0.948 χ^2/NDF:272.5/4

+ sign -51.493+/-0.510 χ^2/NDF: 2040.8/21

All: -52.946+/-0.361 χ^2/NDF: 3945.2/45

- sign -54.400+/-0.510 χ^2/NDF: 1888.2/23

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

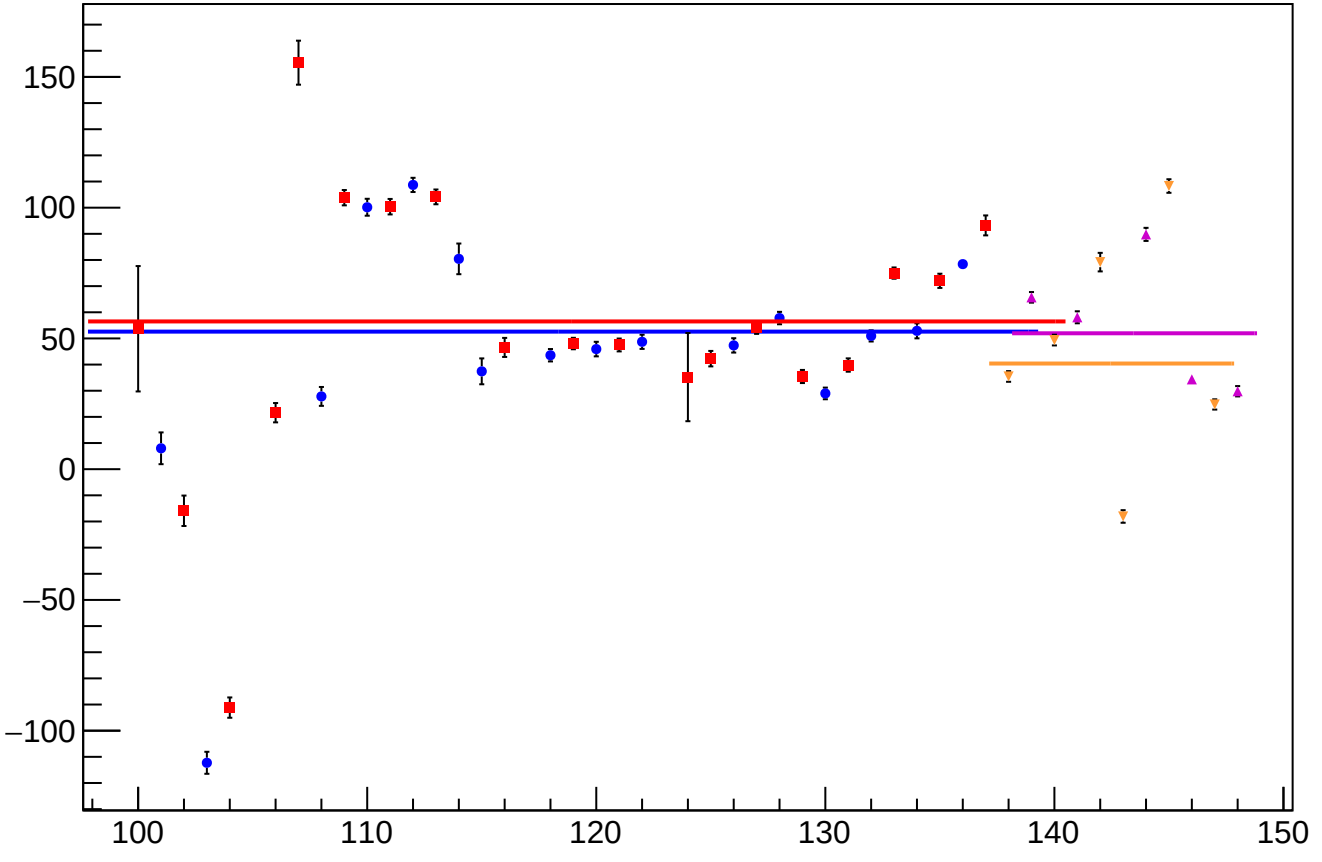
Left In: 12.036+/-0.624 χ^2/NDF:104.5/4

+ sign 16.220+/-0.445 χ^2/NDF: 1020.0/21

All: 16.579+/-0.313 χ^2/NDF: 1645.0/45

- sign 16.931+/-0.440 χ^2/NDF: 623.7/23

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

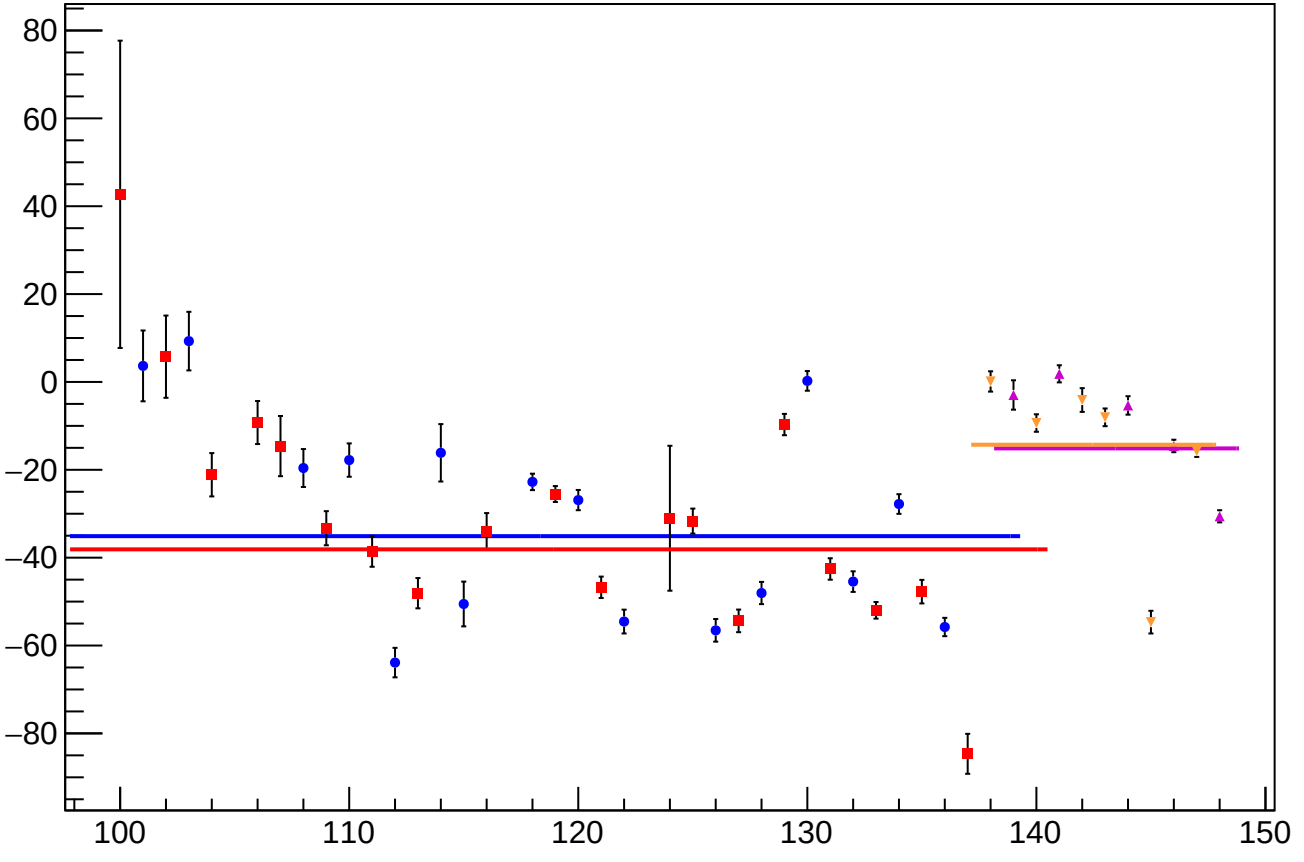
Left In: 51.967+/-0.943 χ^2/NDF:493.1/4

+ sign 48.265+/-0.559 χ^2/NDF: 4249.2/21

All: 51.534+/-0.397 χ^2/NDF: 7791.7/45

- sign 54.872+/-0.565 χ^2/NDF: 3473.4/23

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

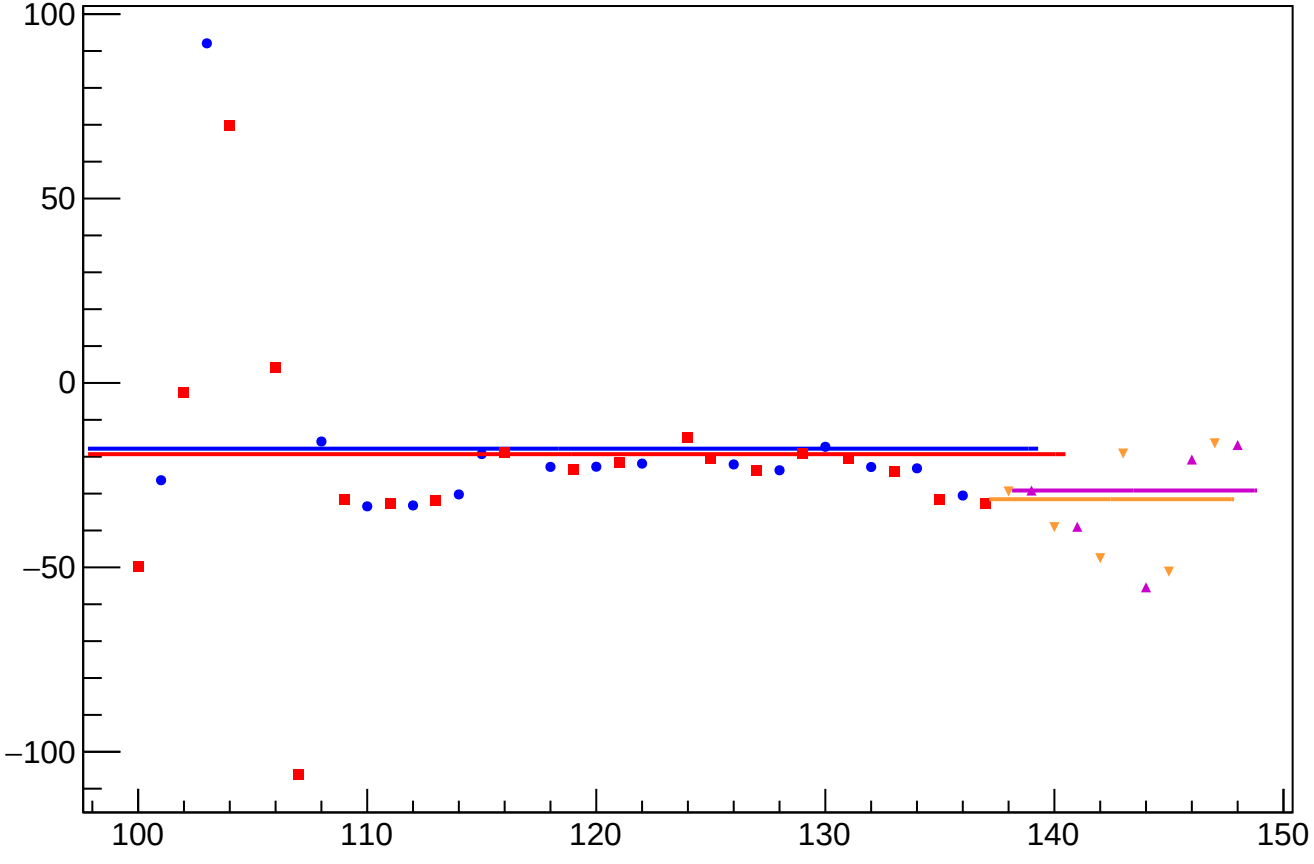
Left In: -15.130+/-0.792 χ^2/NDF:234.8/4

+ sign -26.156+/-0.529 χ^2/NDF: 1467.5/21

All: -26.983+/-0.374 χ^2/NDF: 2686.0/45

- sign -27.815+/-0.530 χ^2/NDF: 1213.6/23

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

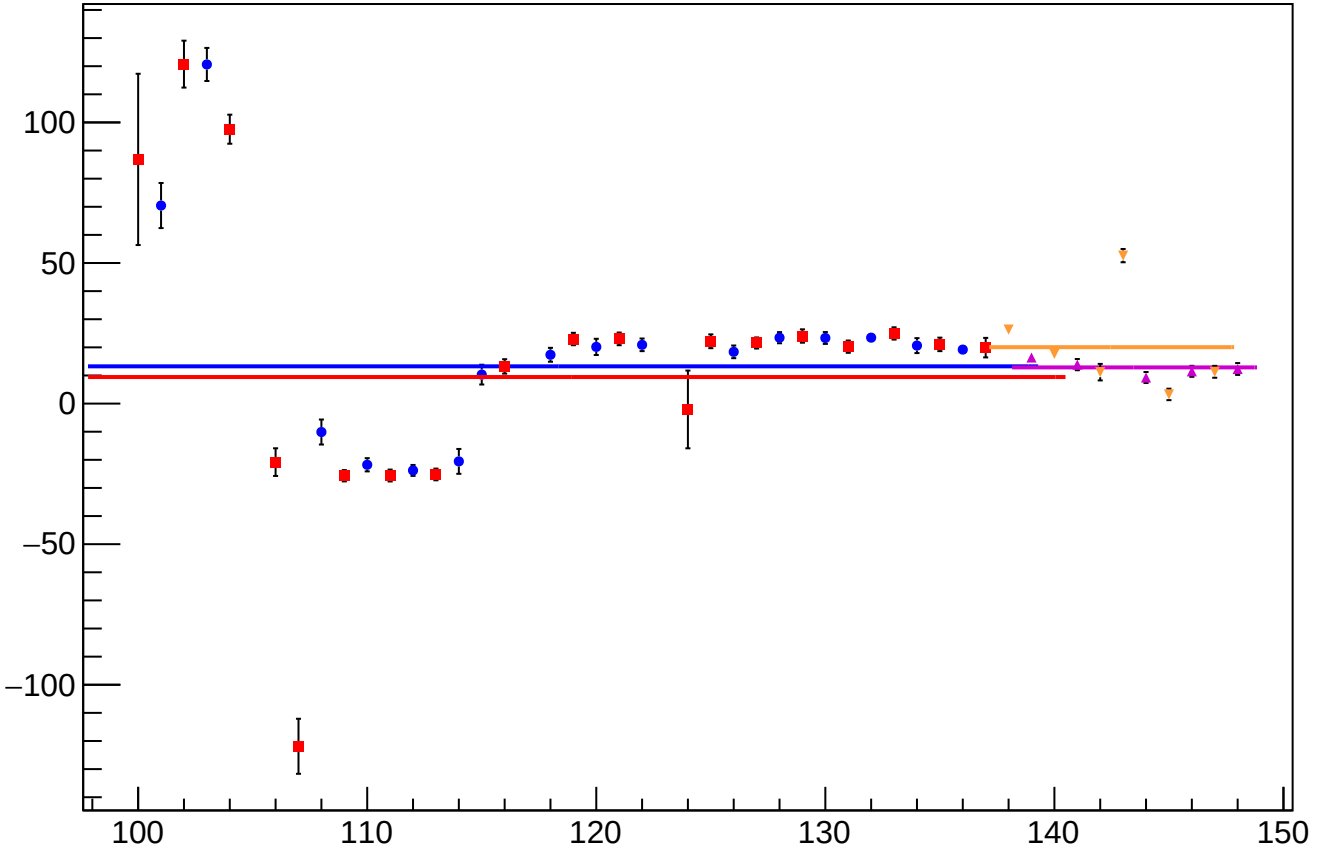
Left In: -29.161+/-0.038 χ^2/NDF:100012.7/4

\+ sign -25.336+/-0.029 χ^2/NDF: 583383.0/21

All: -25.256+/-0.021 χ^2/NDF: 1055232.4/45

\- sign -25.175+/-0.029 χ^2/NDF: 471834.2/23

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

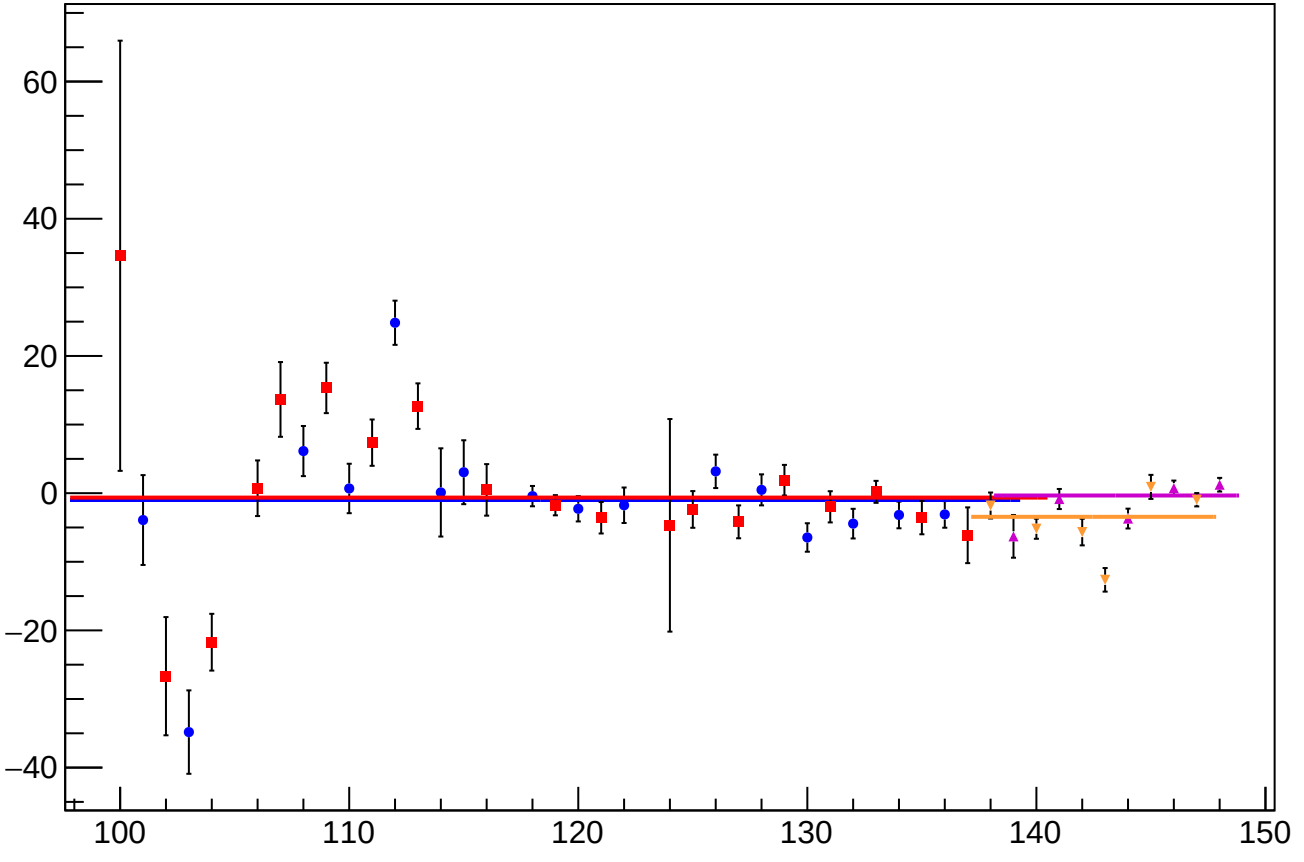
Left In: 12.871+/-0.864 χ^2/NDF:8.4/4

+ sign 15.608+/-0.497 χ^2/NDF: 1523.8/21

All: 13.124+/-0.353 χ^2/NDF: 3429.6/45

- sign 10.600+/-0.501 χ^2/NDF: 1855.4/23

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

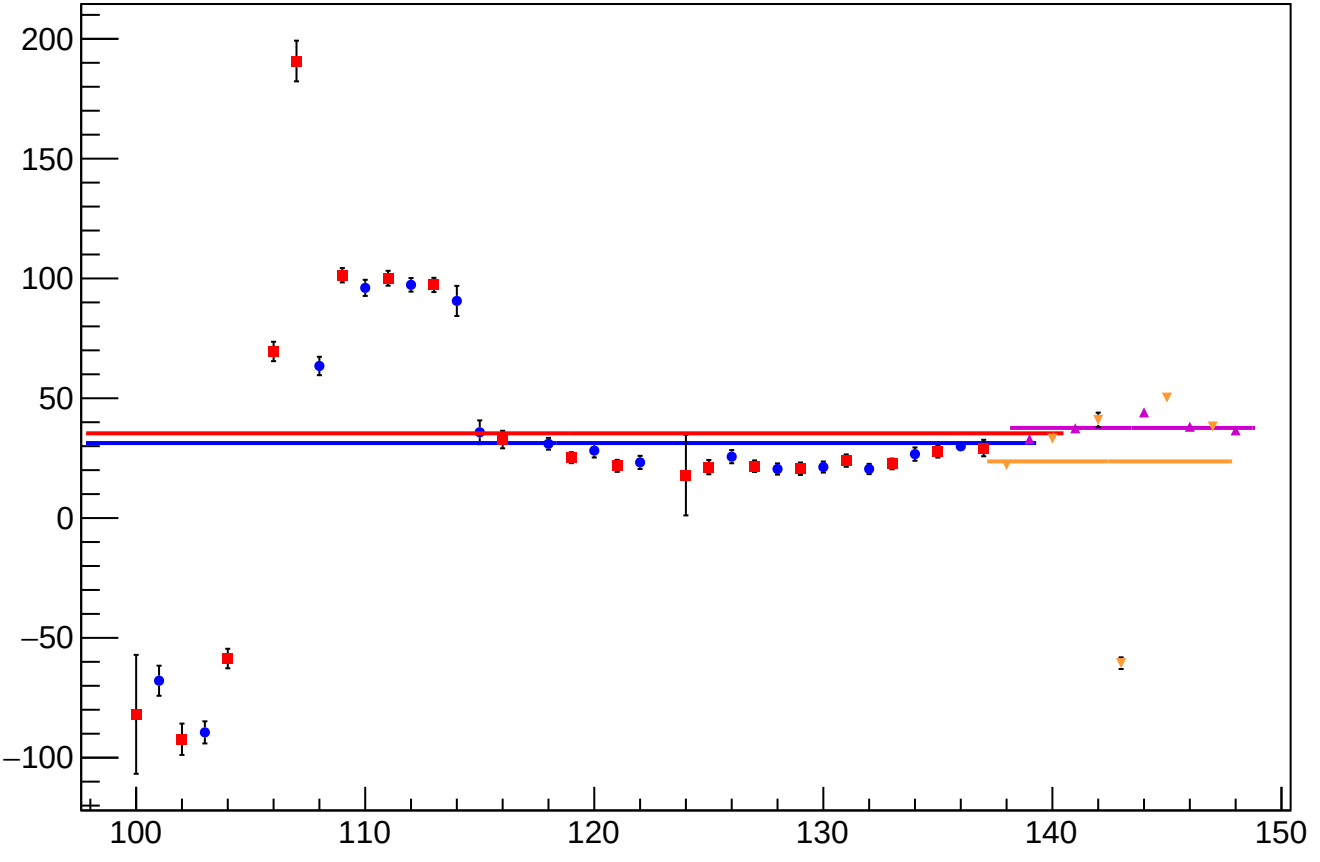
Left In: -0.338+/-0.590 χ^2/NDF:12.6/4

+ sign -2.248+/-0.433 χ^2/NDF: 169.1/21

All: -1.363+/-0.306 χ^2/NDF: 284.5/45

- sign -0.480+/-0.432 χ^2/NDF: 107.0/23

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

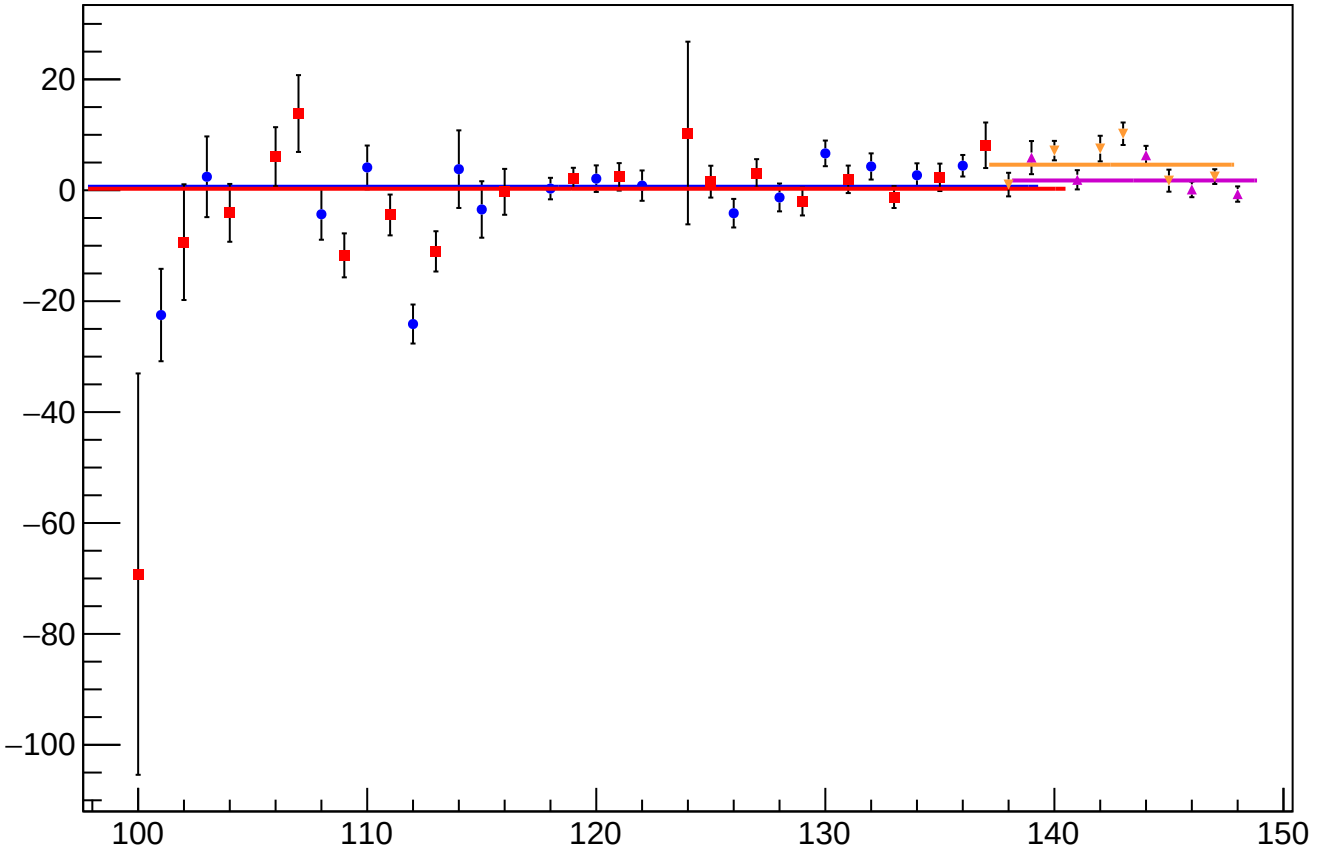
Left In: 37.621+/-0.864 χ^2/NDF:17.5/4

\+ sign 28.242+/-0.542 χ^2/NDF: 3617.9/21

All: 32.192+/-0.387 χ^2/NDF: 6645.2/45

\- sign 36.286+/-0.552 χ^2/NDF: 2919.2/23

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

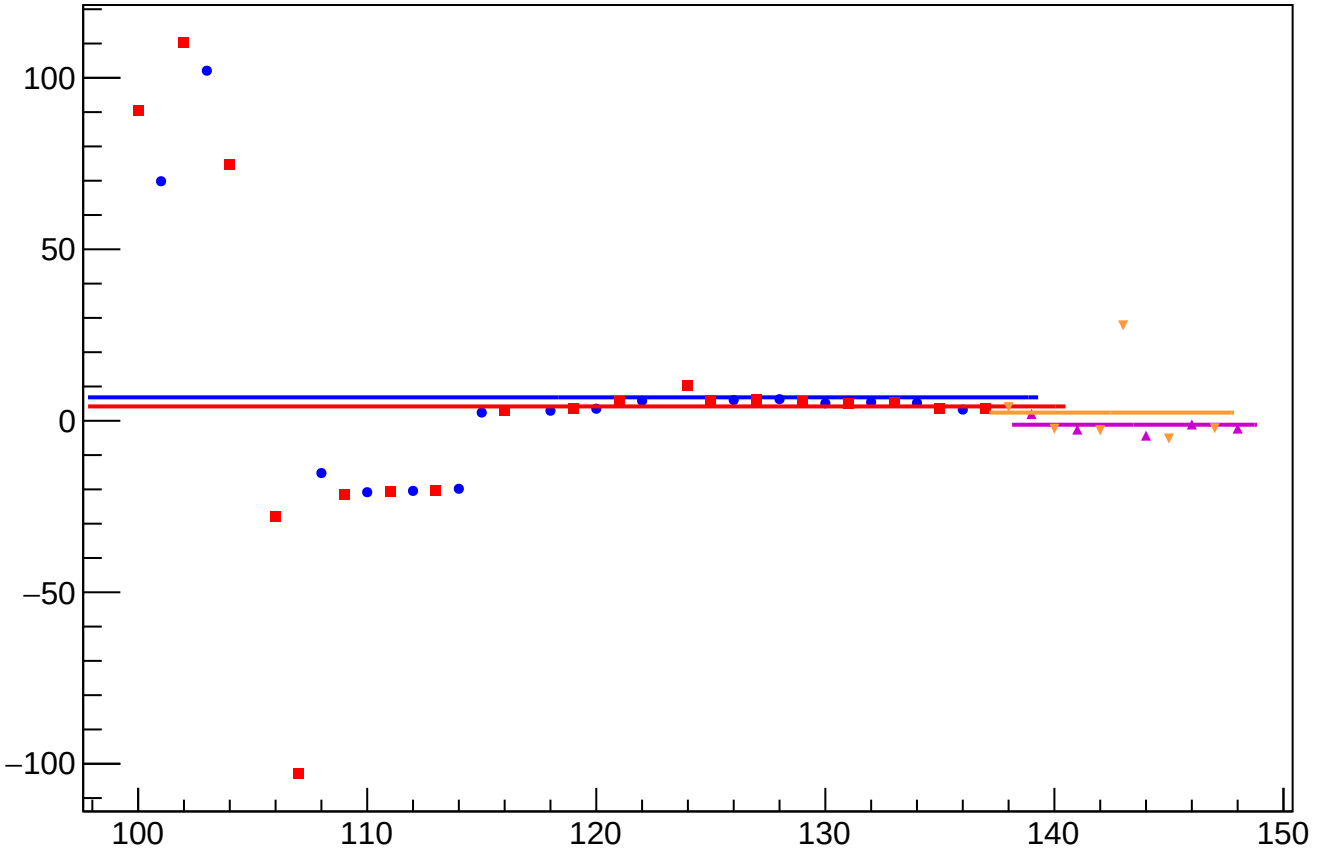
Left In: 1.767+/-0.741 χ^2/NDF:13.6/4

+ sign 2.506+/-0.513 χ^2/NDF: 112.2/21

All: 1.765+/-0.365 χ^2/NDF: 172.6/45

- sign 1.005+/-0.519 χ^2/NDF: 56.1/23

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

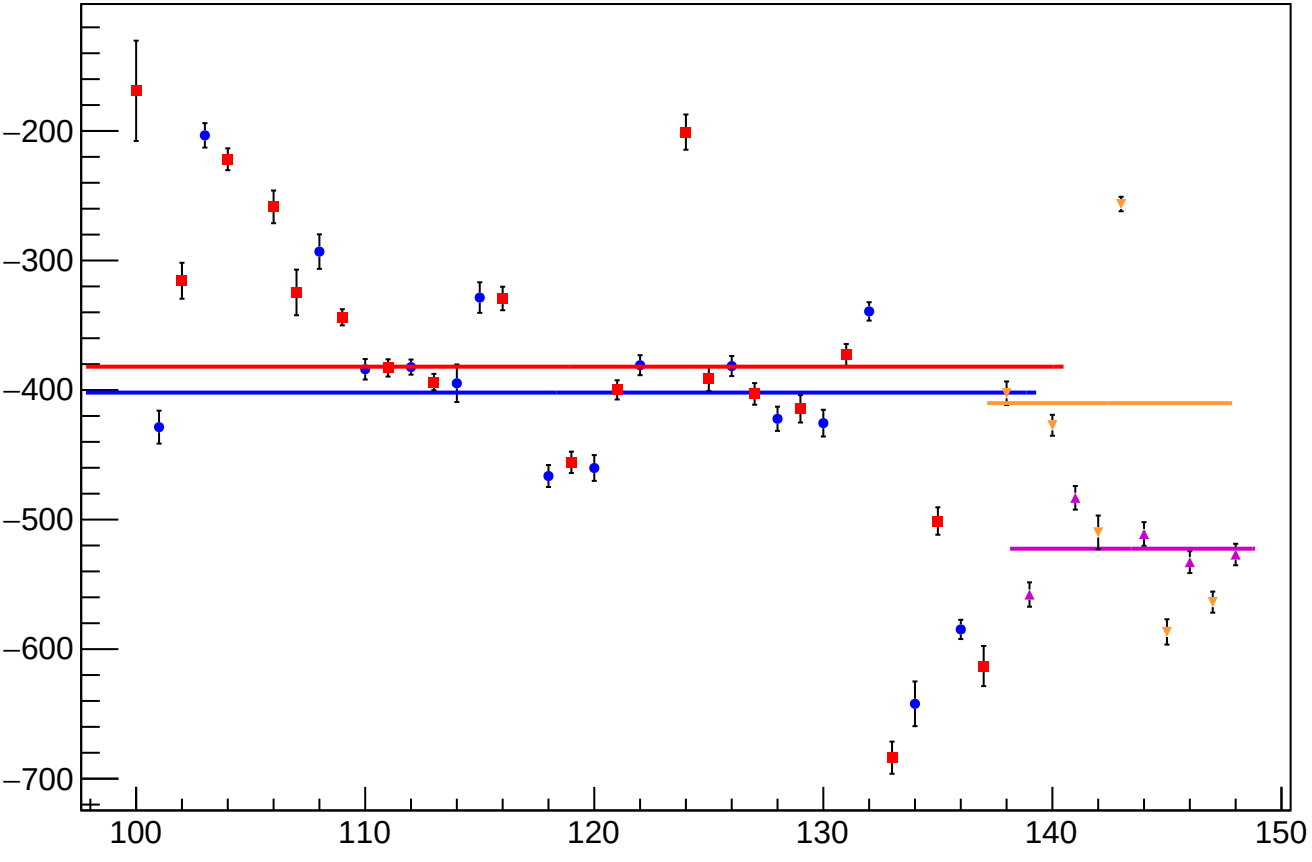
Left In: -1.146+/-0.035 χ^2/NDF:4134.9/4

+ sign 4.205+/-0.027 χ^2/NDF: 407946.9/21

All: 2.522+/-0.020 χ^2/NDF: 862771.4/45

- sign 0.785+/-0.028 χ^2/NDF: 447159.8/23

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

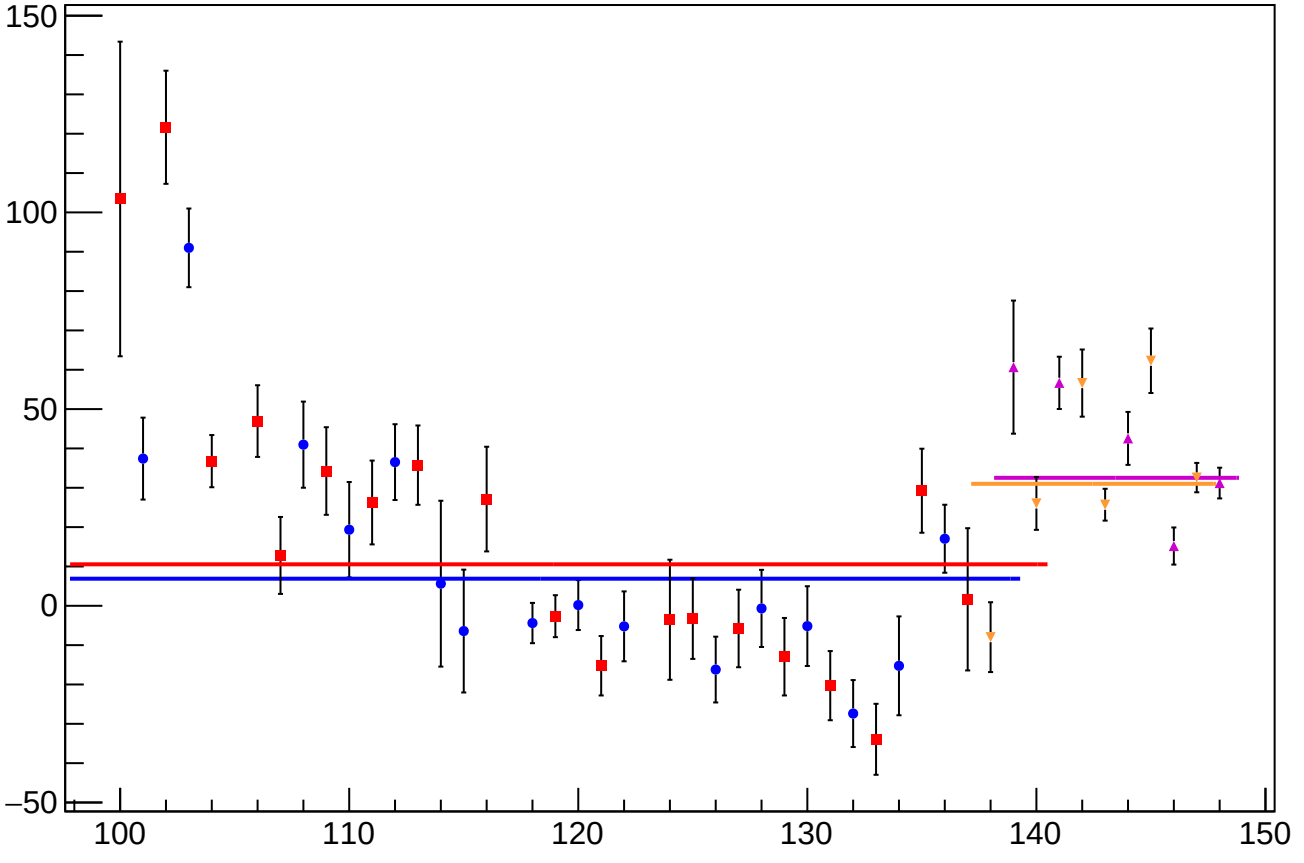
Left In: -522.467+/-3.955 χ^2/NDF:36.1/4

\+ sign -404.507+/-1.854 χ^2/NDF: 3070.8/21

All: -408.917+/-1.317 χ^2/NDF: 5915.4/45

\- sign -413.411+/-1.871 χ^2/NDF: 2833.2/23

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

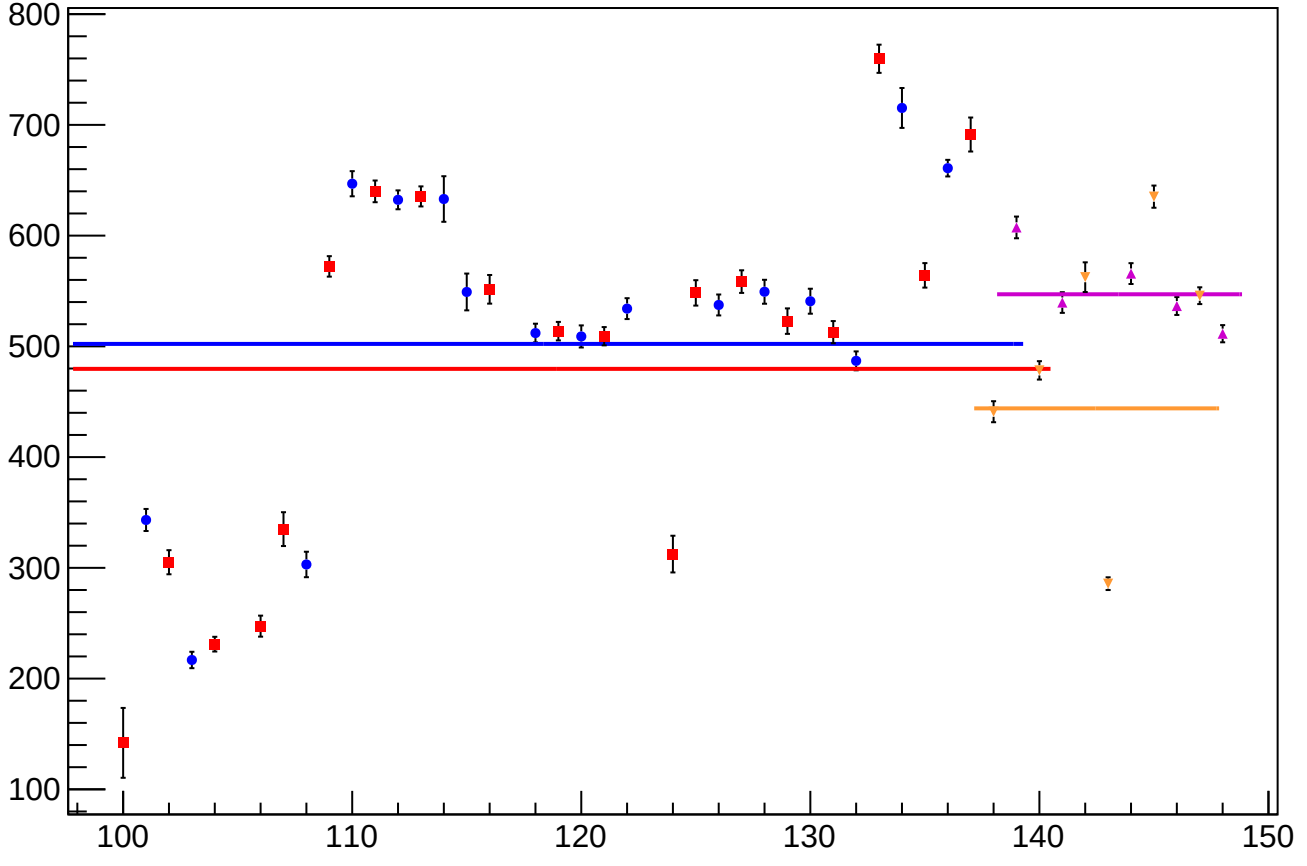
Left In: 32.533+/-2.510 χ^2/NDF:31.8/4

+ sign 18.987+/-1.599 χ^2/NDF: 240.7/21

All: 19.516+/-1.149 χ^2/NDF: 496.2/45

- sign 20.083+/-1.653 χ^2/NDF: 255.3/23

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

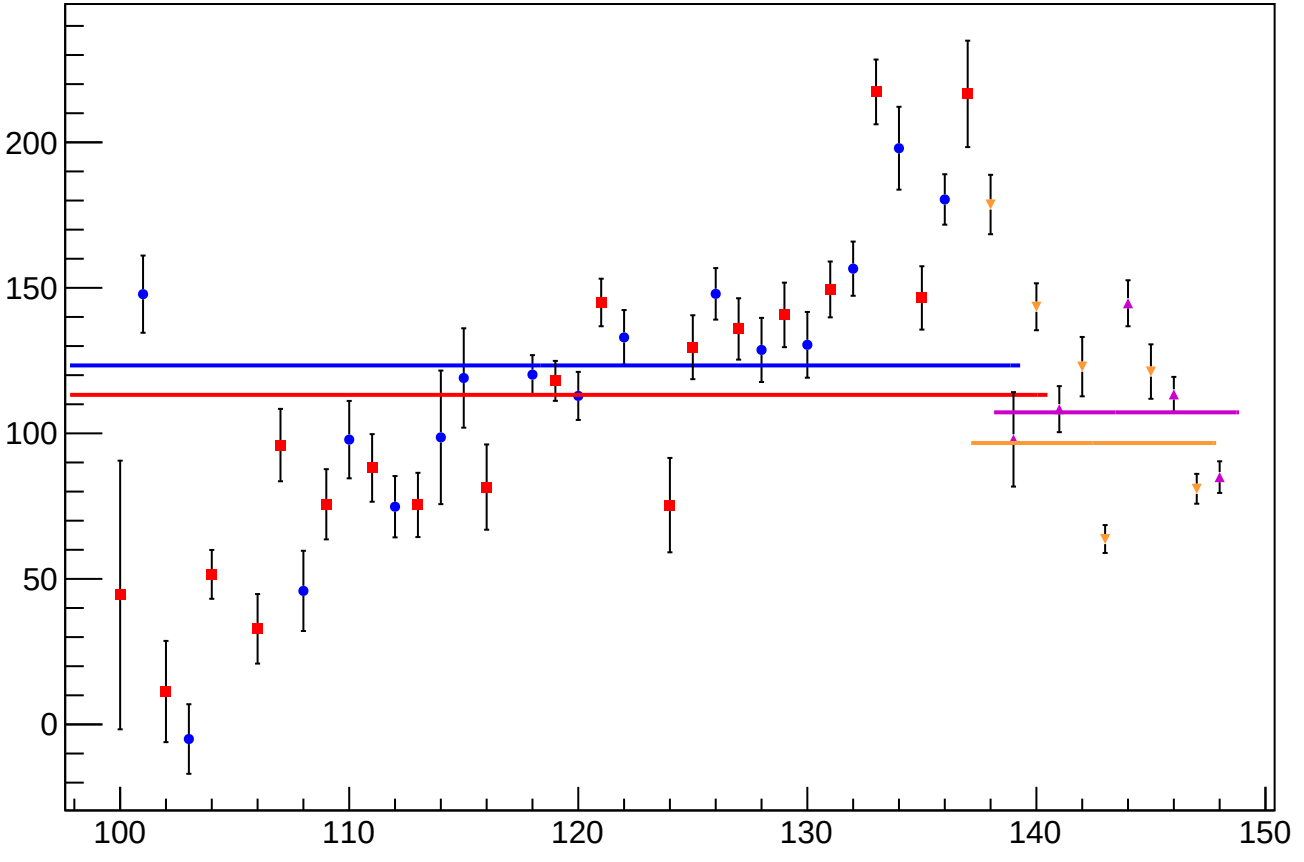
Left In: 547.033+/-3.919 χ^2/NDF:65.3/4

+ sign 481.511+/-2.001 χ^2/NDF: 4727.9/21

All: 489.592+/-1.431 χ^2/NDF: 9179.9/45

- sign 498.042+/-2.046 χ^2/NDF: 4418.6/23

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

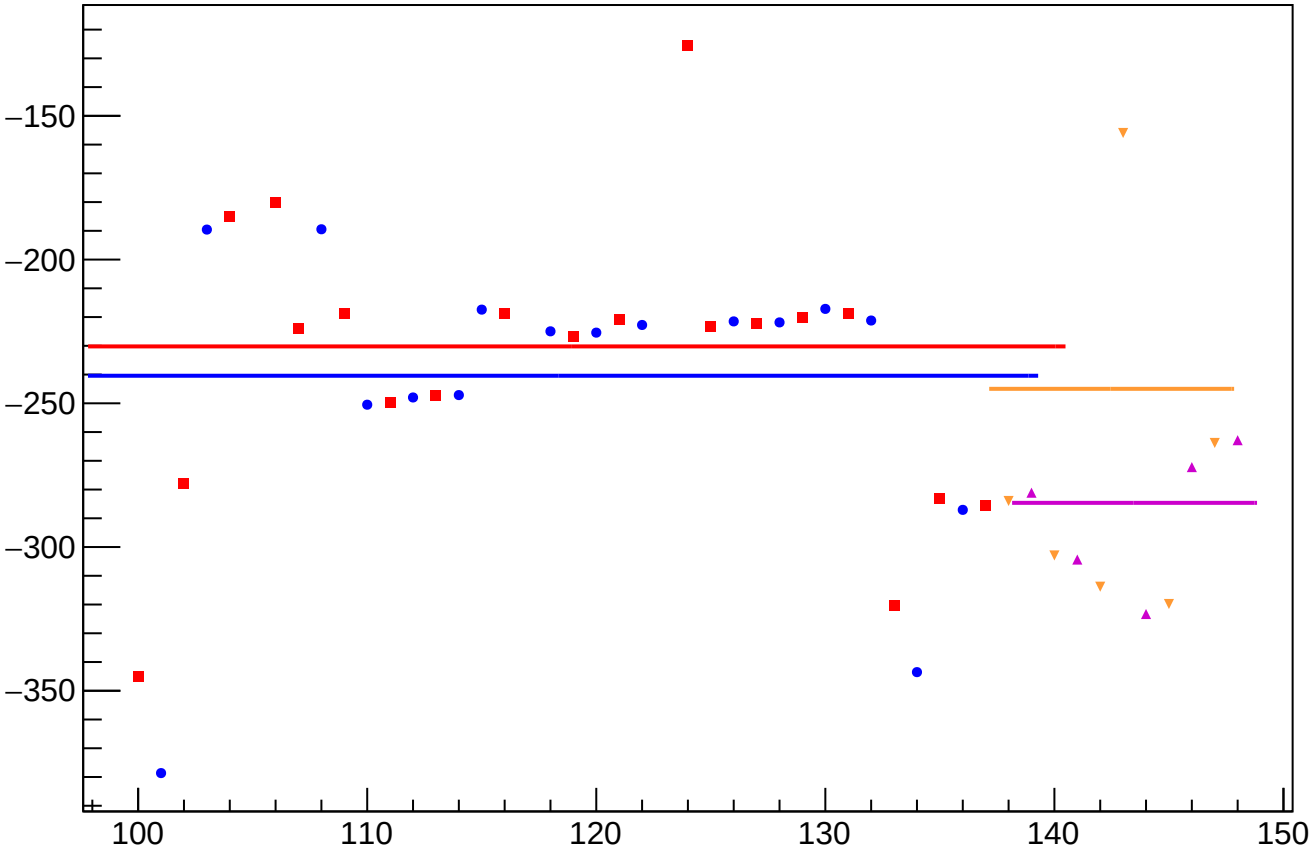
Left In: 107.228+/-3.205 χ^2/NDF:40.7/4

+ sign 110.859+/-1.915 χ^2/NDF: 488.1/21

All: 110.885+/-1.381 χ^2/NDF: 876.7/45

- sign 110.912+/-1.993 χ^2/NDF: 388.6/23

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

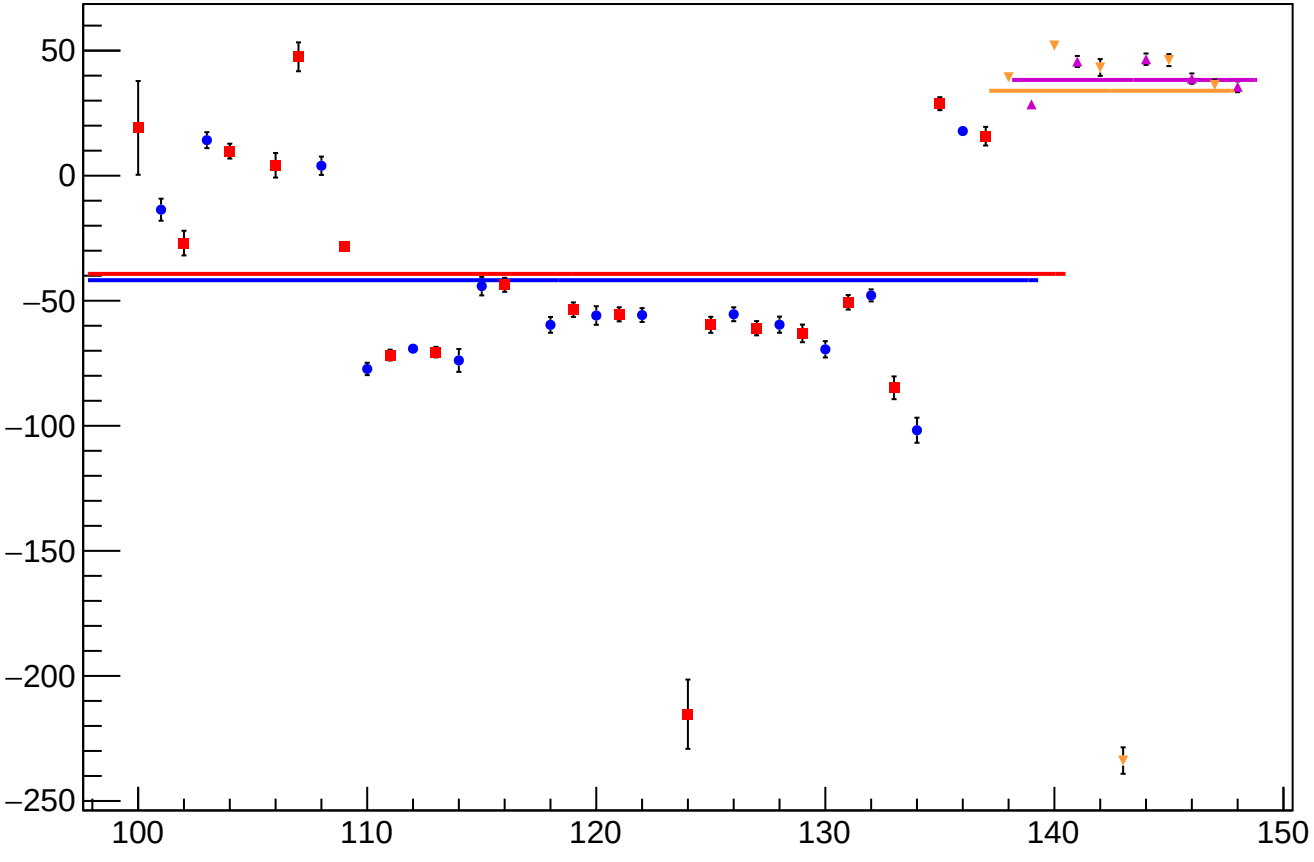
Left In: -284.629+/-0.160 χ^2/NDF:17272.1/4

+ sign -242.830+/-0.103 χ^2/NDF: 362106.9/21

All: -248.634+/-0.075 χ^2/NDF: 532365.8/45

- sign -255.012+/-0.108 χ^2/NDF: 163606.0/23

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

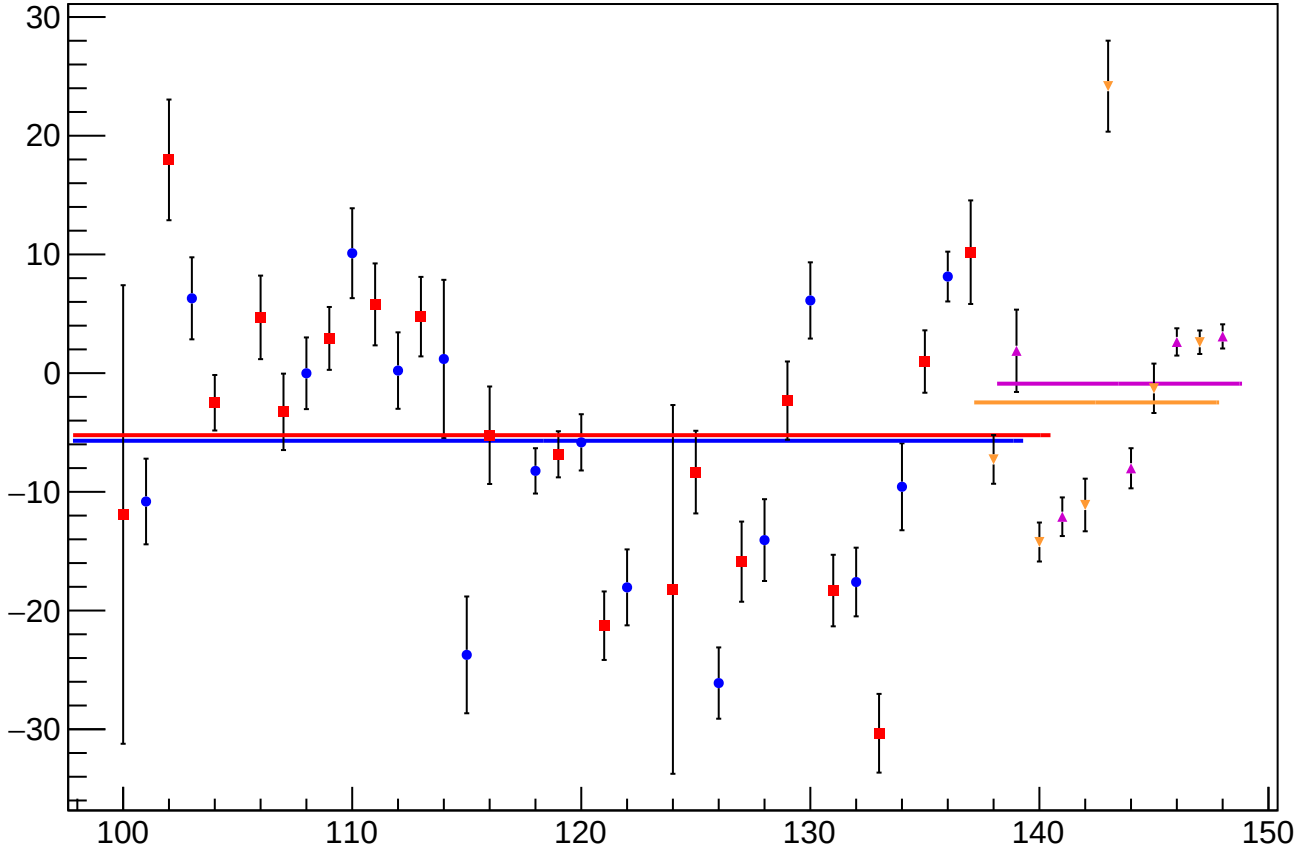
Left In: 38.282+/-0.945 χ^2/NDF:51.6/4

+ sign -15.149+/-0.582 χ^2/NDF: 8954.1/21

All: -13.935+/-0.401 χ^2/NDF: 15927.6/45

- sign -12.844+/-0.552 χ^2/NDF: 6965.2/23

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

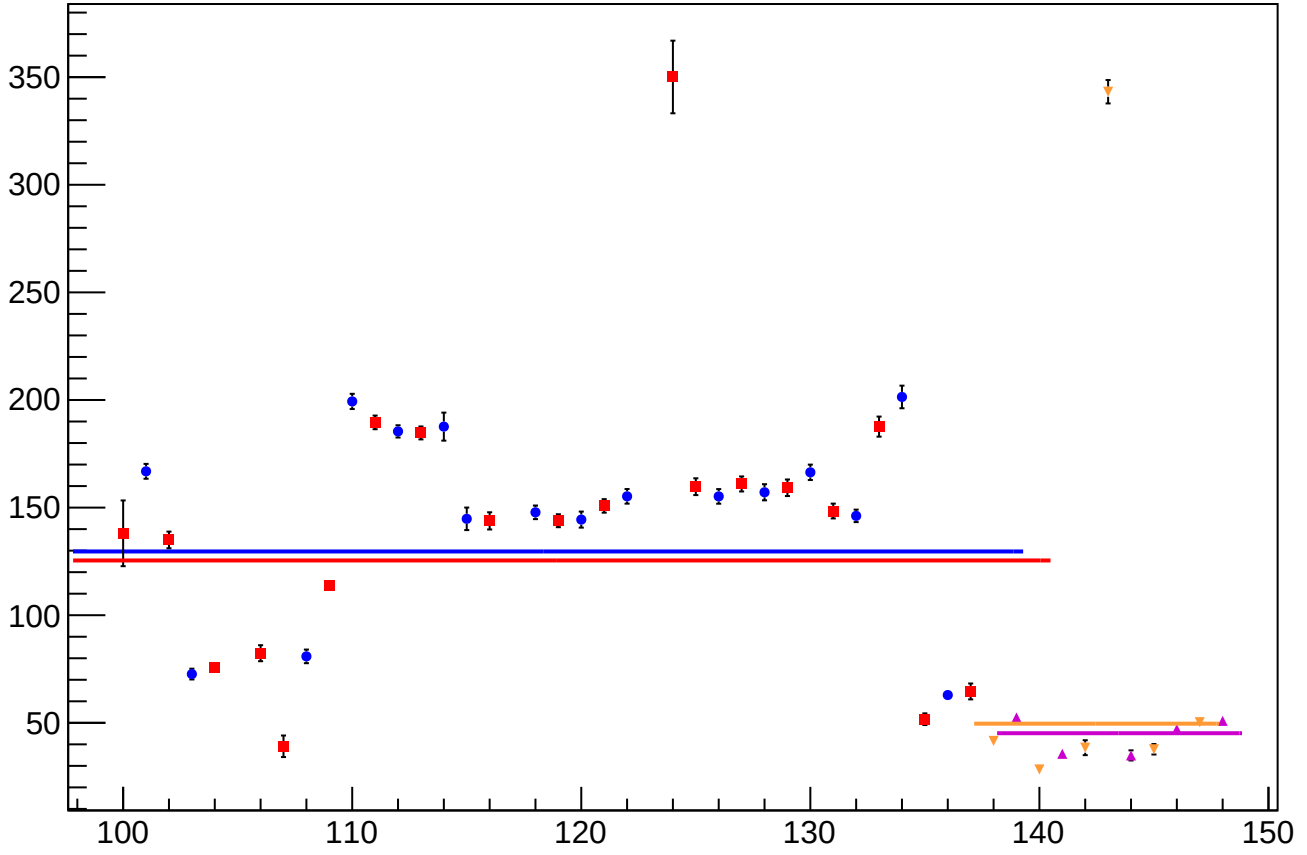
Left In: -0.888+/-0.629 χ^2/NDF:90.5/4

+ sign -3.930+/-0.507 χ^2/NDF: 353.6/21

All: -3.284+/-0.348 χ^2/NDF: 664.5/45

- sign -2.707+/-0.479 χ^2/NDF: 307.8/23

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

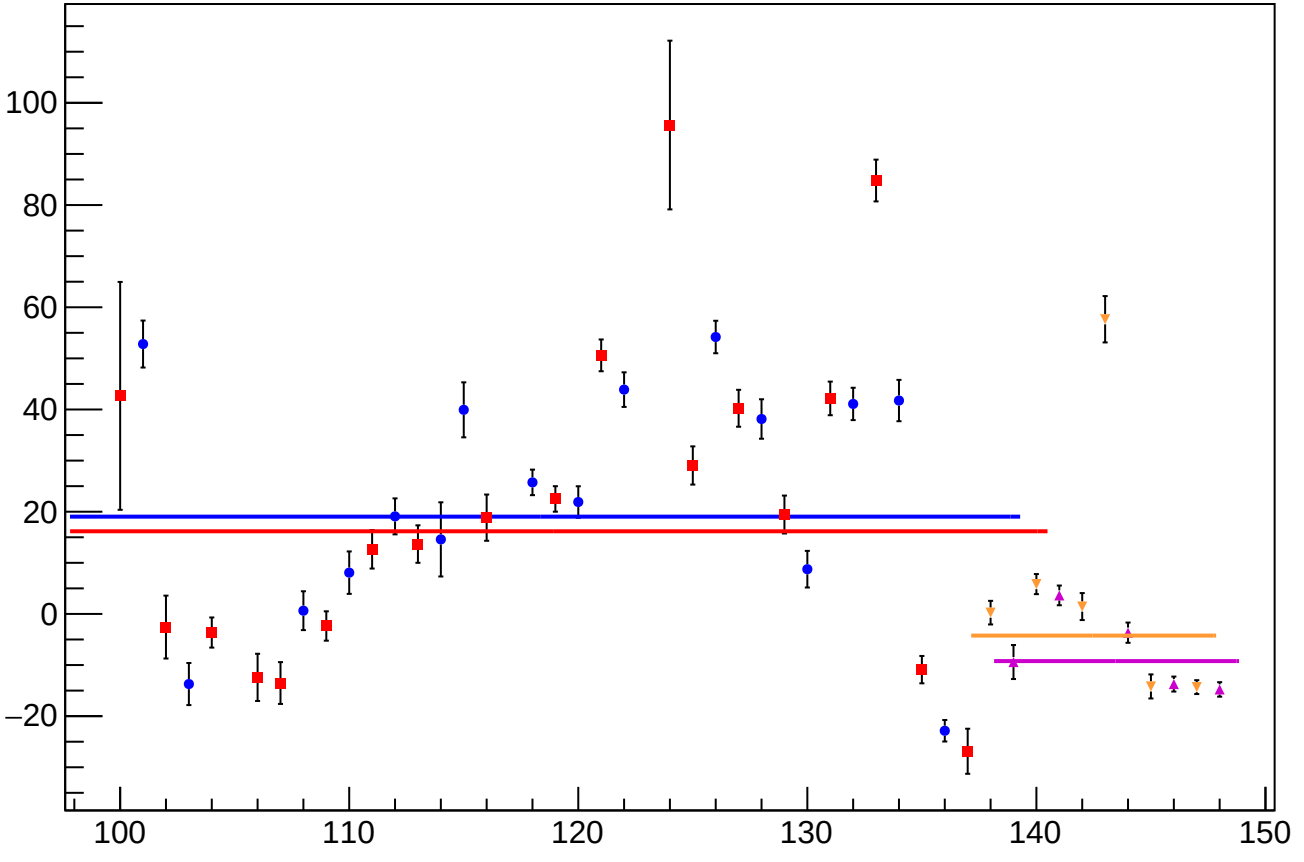
Left In: 45.178+/-0.942 χ^2/NDF:59.2/4

\+ sign 97.959+/-0.622 χ^2/NDF: 10651.7/21

All: 95.043+/-0.434 χ^2/NDF: 18521.7/45

\- sign 92.287+/-0.605 χ^2/NDF: 7827.3/23

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

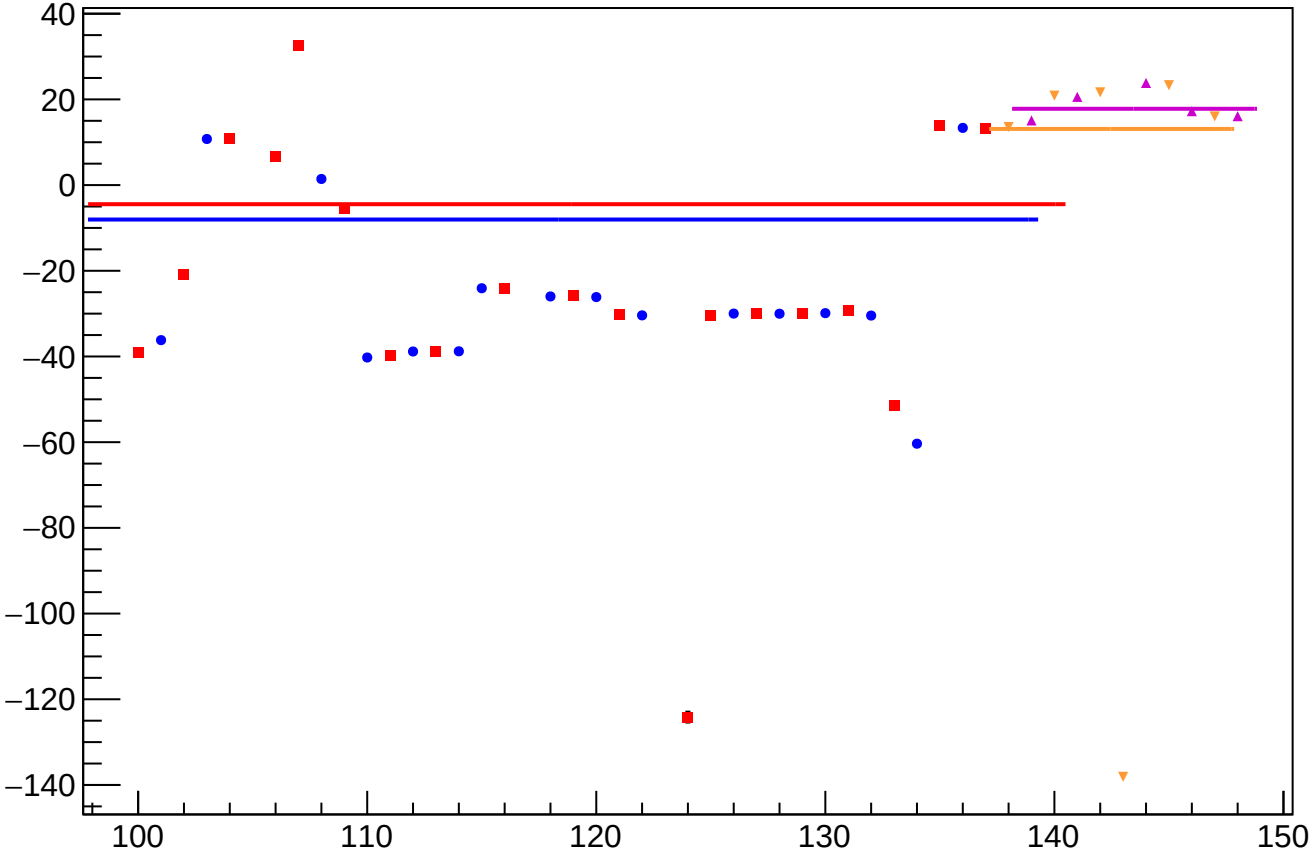
Left In: -9.226+/-0.796 χ^2/NDF:76.9/4

+ sign 7.358+/-0.607 χ^2/NDF: 1519.6/21

All: 4.924+/-0.419 χ^2/NDF: 3046.6/45

- sign 2.703+/-0.580 χ^2/NDF: 1496.3/23

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

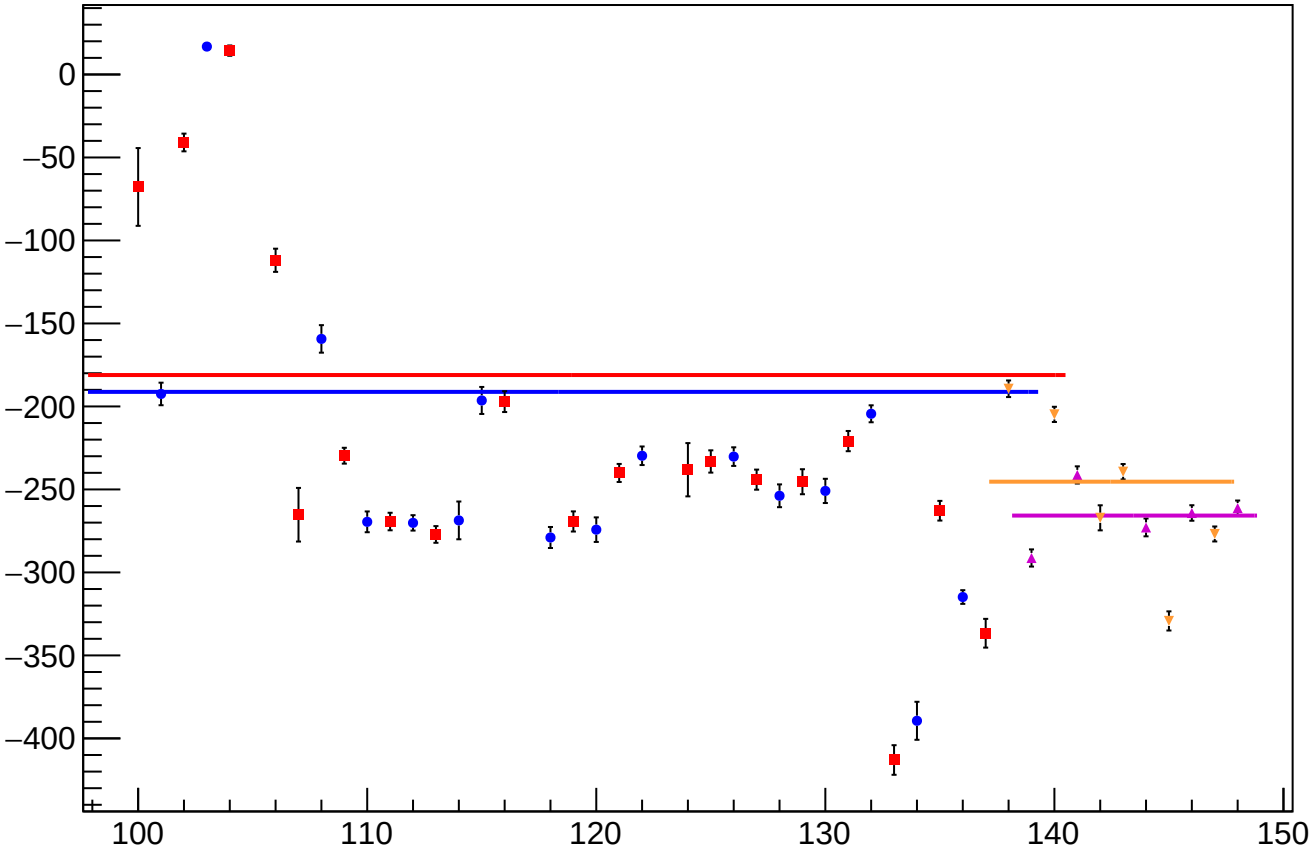
Left In: 17.807+/-0.038 χ^2/NDF:6119.8/4

+ sign 3.625+/-0.031 χ^2/NDF: 854527.3/21

All: 6.400+/-0.021 χ^2/NDF: 1241280.5/45

- sign 8.963+/-0.029 χ^2/NDF: 371024.6/23

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

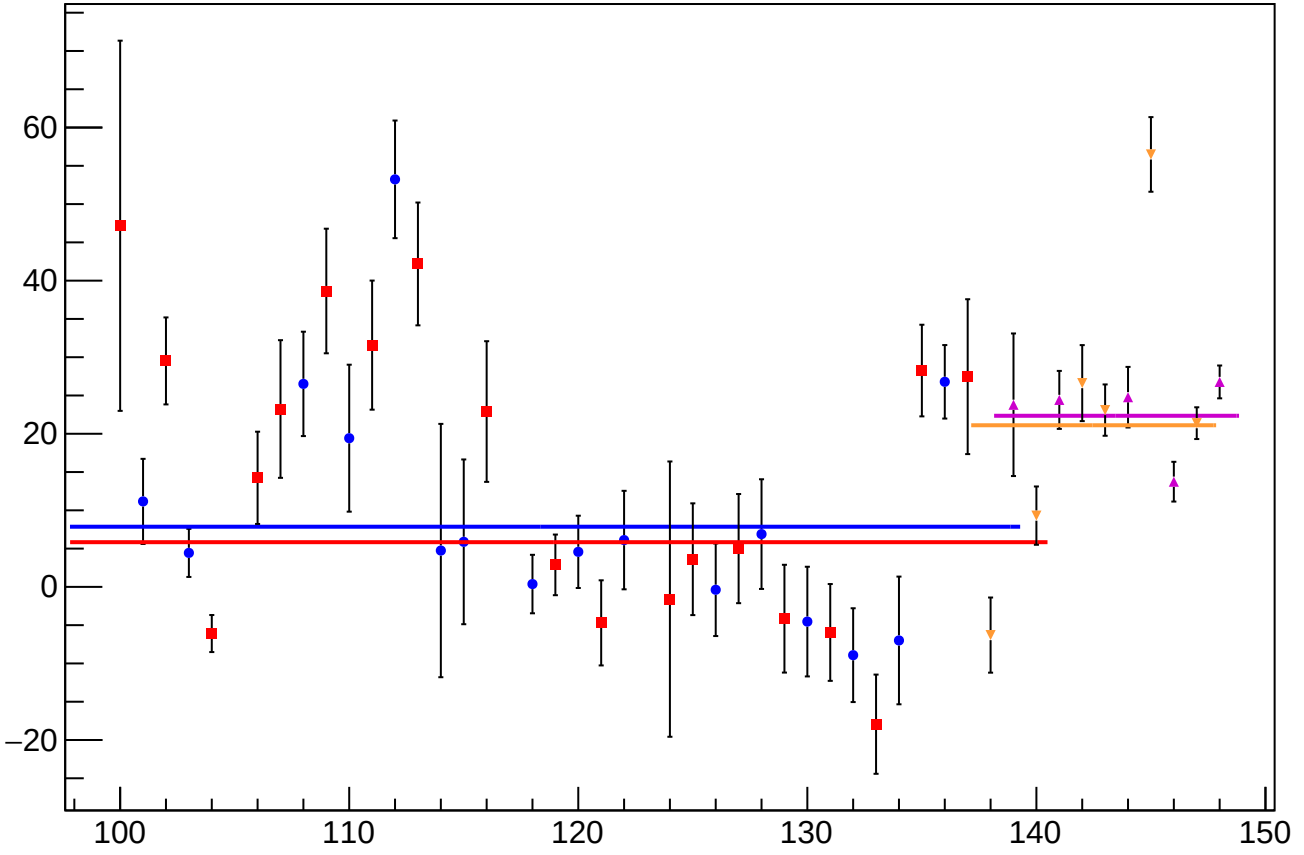
Left In: -265.753+/-2.219 χ^2/NDF:49.5/4

+ sign -208.389+/-1.172 χ^2/NDF: 8160.2/21

All: -206.578+/-0.829 χ^2/NDF: 16637.6/45

- sign -204.763+/-1.173 χ^2/NDF: 8472.6/23

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

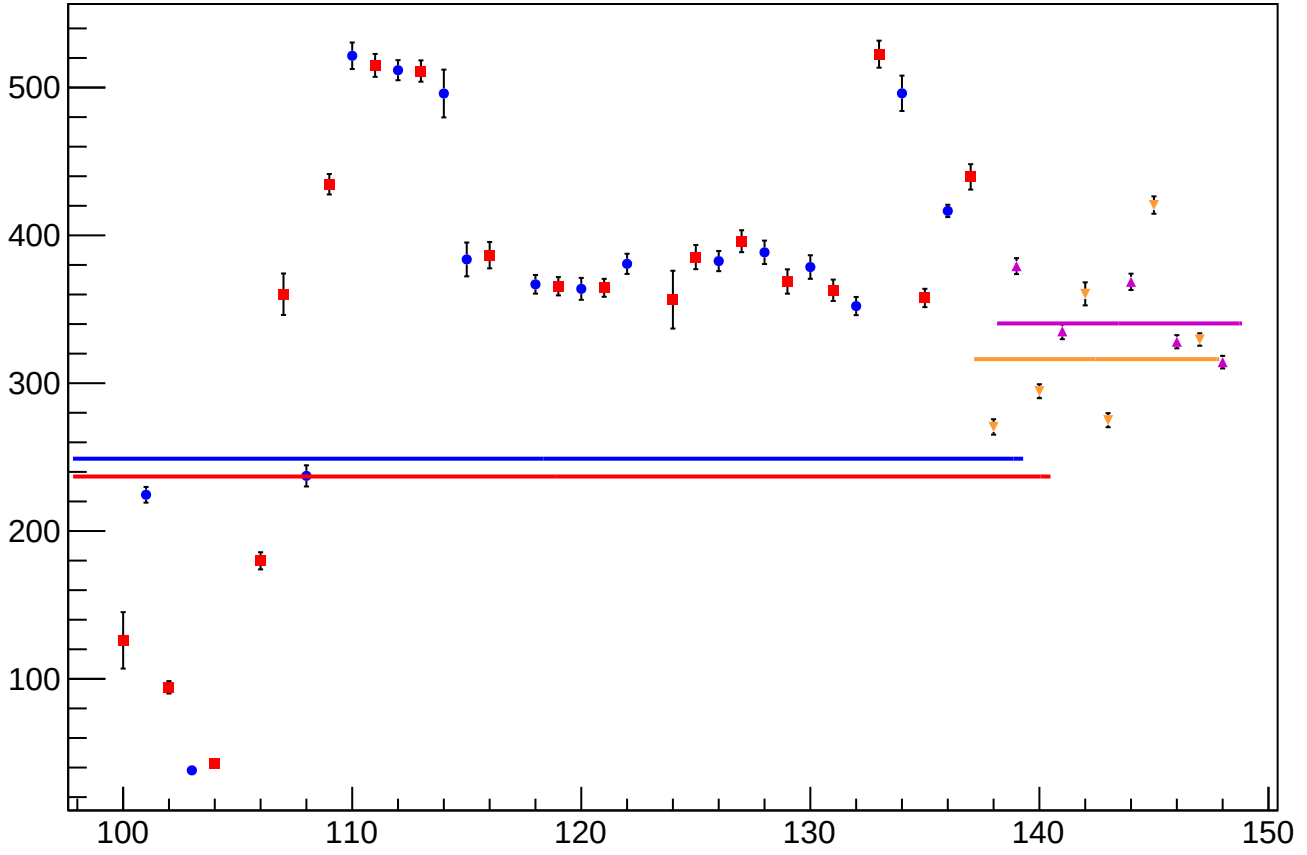
Left In: 22.351+/-1.399 χ^2/NDF:15.9/4

+ sign 14.692+/-1.001 χ^2/NDF: 219.8/21

All: 14.251+/-0.698 χ^2/NDF: 449.8/45

- sign 13.834+/-0.973 χ^2/NDF: 229.7/23

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

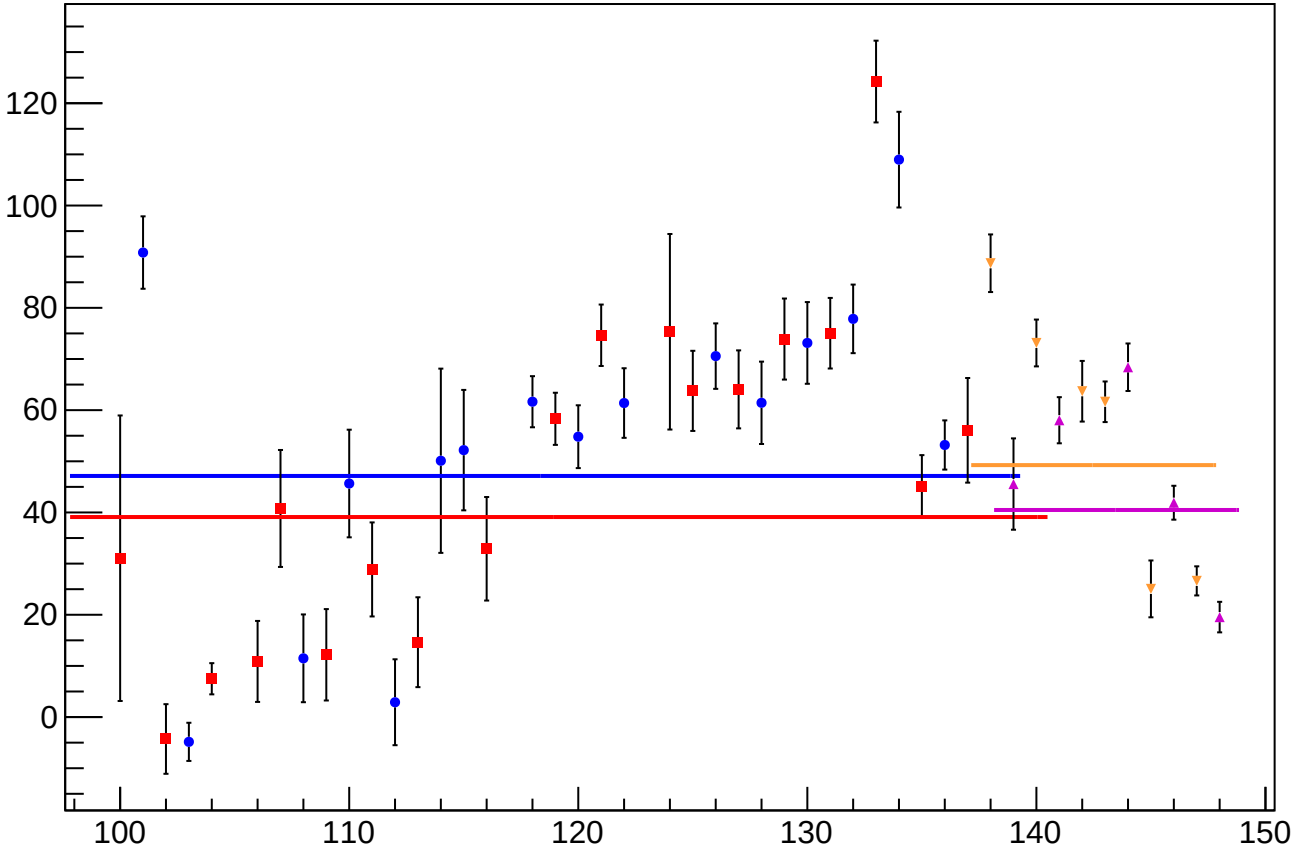
Left In: 340.426+/-2.195 χ^2/NDF:123.8/4

+ sign 270.160+/-1.177 χ^2/NDF: 16539.0/21

All: 268.599+/-0.835 χ^2/NDF: 33901.3/45

- sign 267.016+/-1.184 χ^2/NDF: 17358.7/23

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

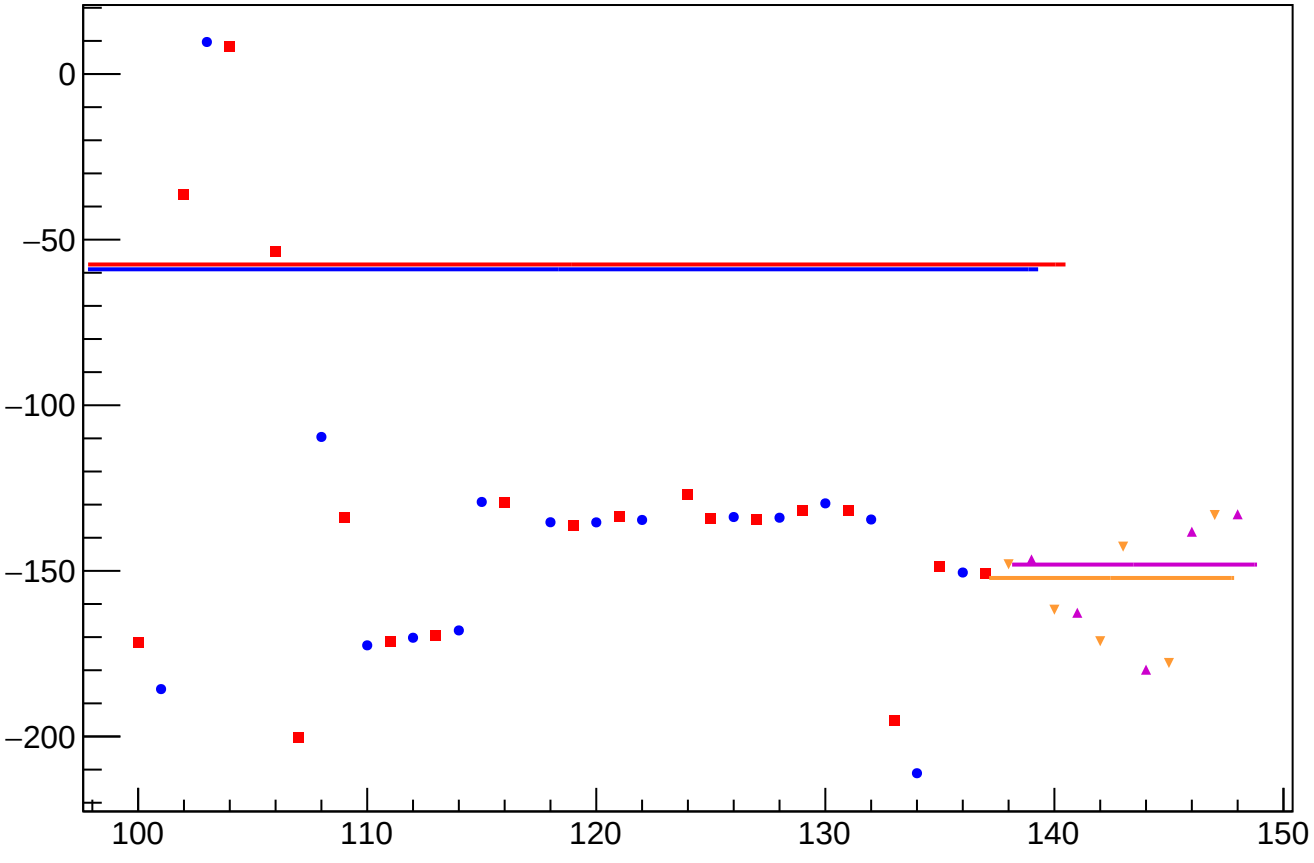
Left In: 40.484+/-1.792 χ^2/NDF:101.0/4

+ sign 48.146+/-1.207 χ^2/NDF: 560.3/21

All: 43.877+/-0.848 χ^2/NDF: 1102.7/45

- sign 39.715+/-1.192 χ^2/NDF: 517.8/23

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

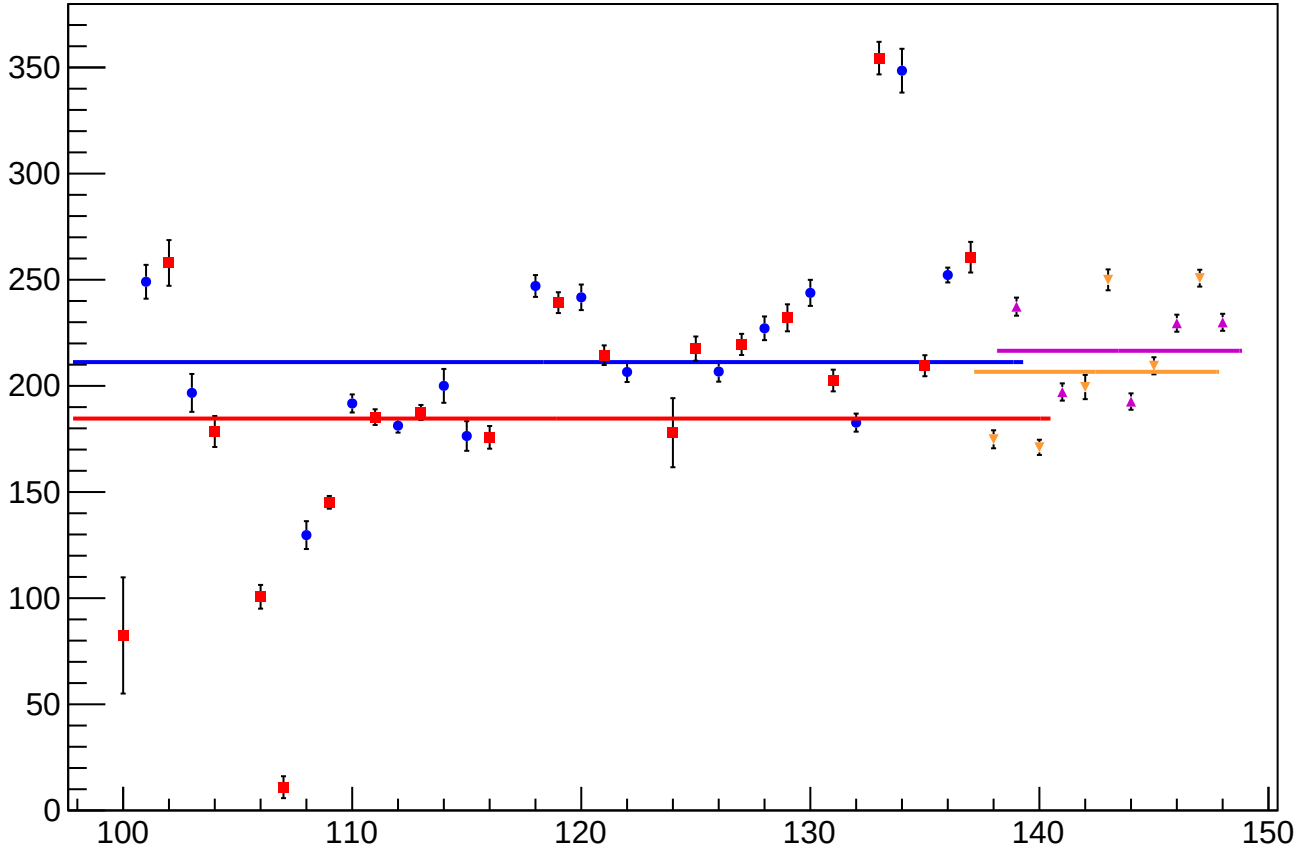
Left In: -148.101+/-0.089 χ^2/NDF:31324.0/4

+ sign -96.399+/-0.056 χ^2/NDF: 1919646.6/21

All: -95.452+/-0.040 χ^2/NDF: 3430329.9/45

- sign -94.472+/-0.057 χ^2/NDF: 1510104.7/23

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

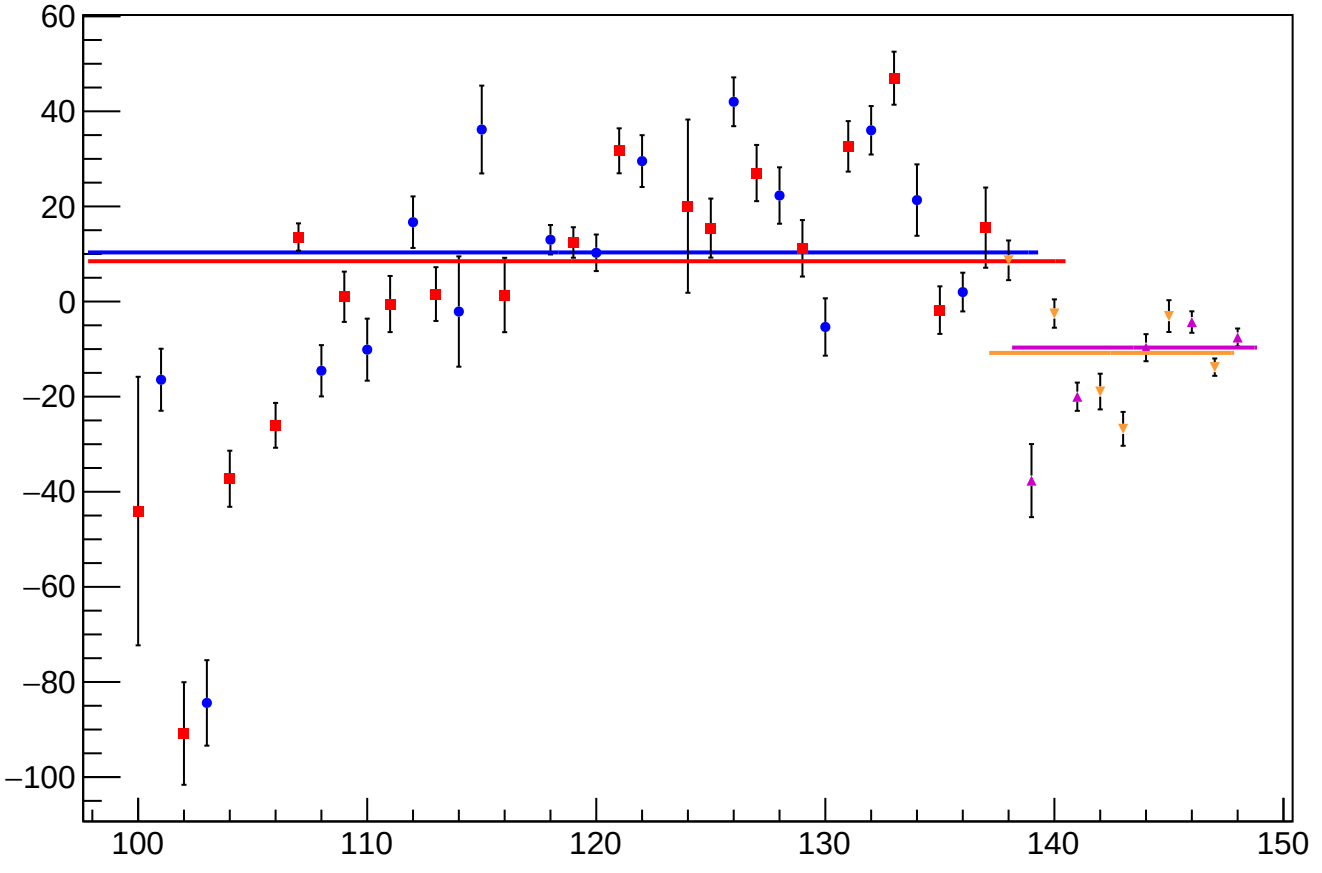
Left In: 216.535+/-1.803 χ^2/NDF:106.9/4

+ sign 209.579+/-1.039 χ^2/NDF: 1144.7/21

All: 201.633+/-0.719 χ^2/NDF: 4122.0/45

- sign 194.344+/-0.995 χ^2/NDF: 2865.2/23

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

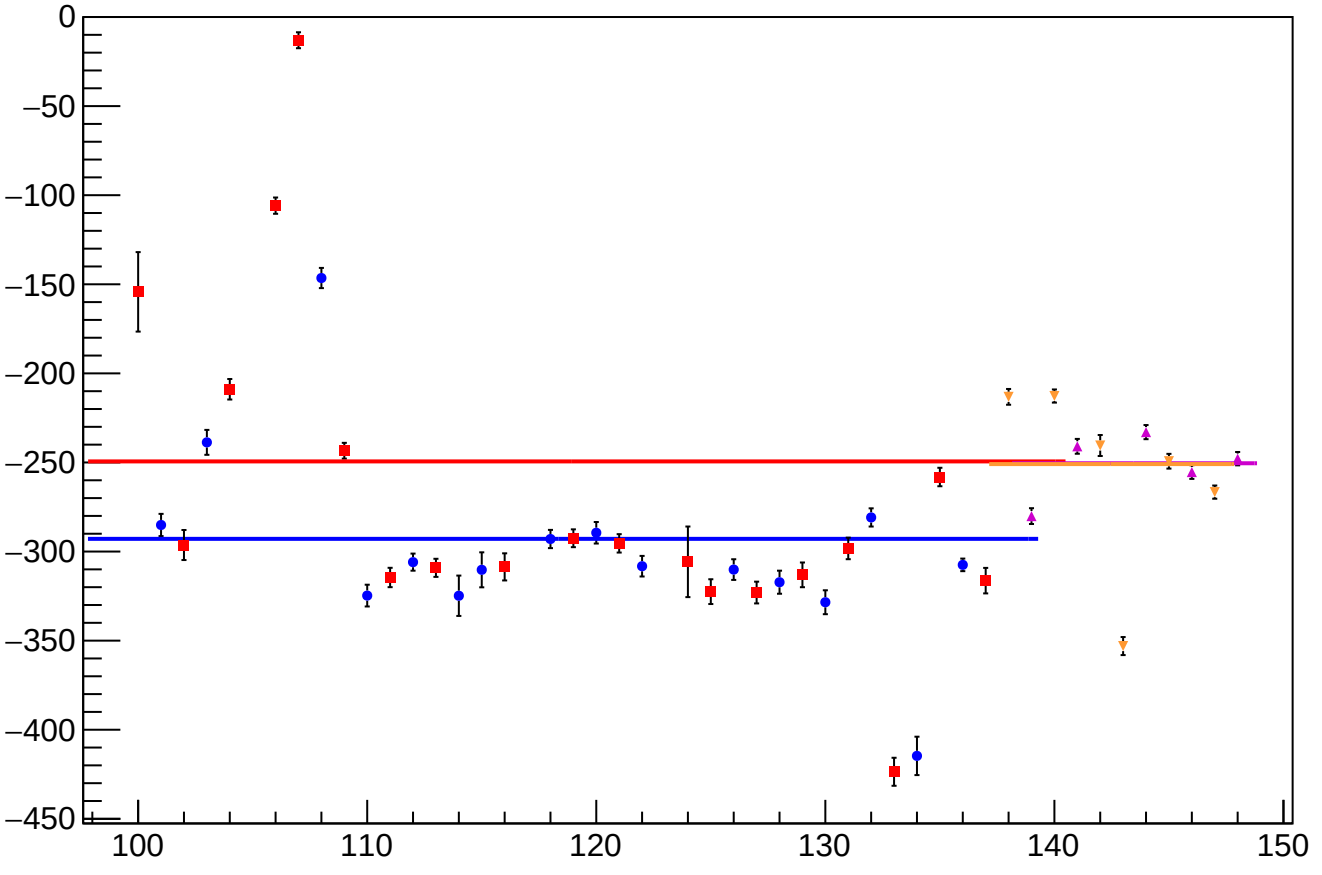
Left In: -9.678+/-1.170 χ^2/NDF:32.3/4

+ sign -1.444+/-0.887 χ^2/NDF: 465.6/21

All: -1.220+/-0.612 χ^2/NDF: 935.3/45

- sign -1.016+/-0.846 χ^2/NDF: 469.6/23

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

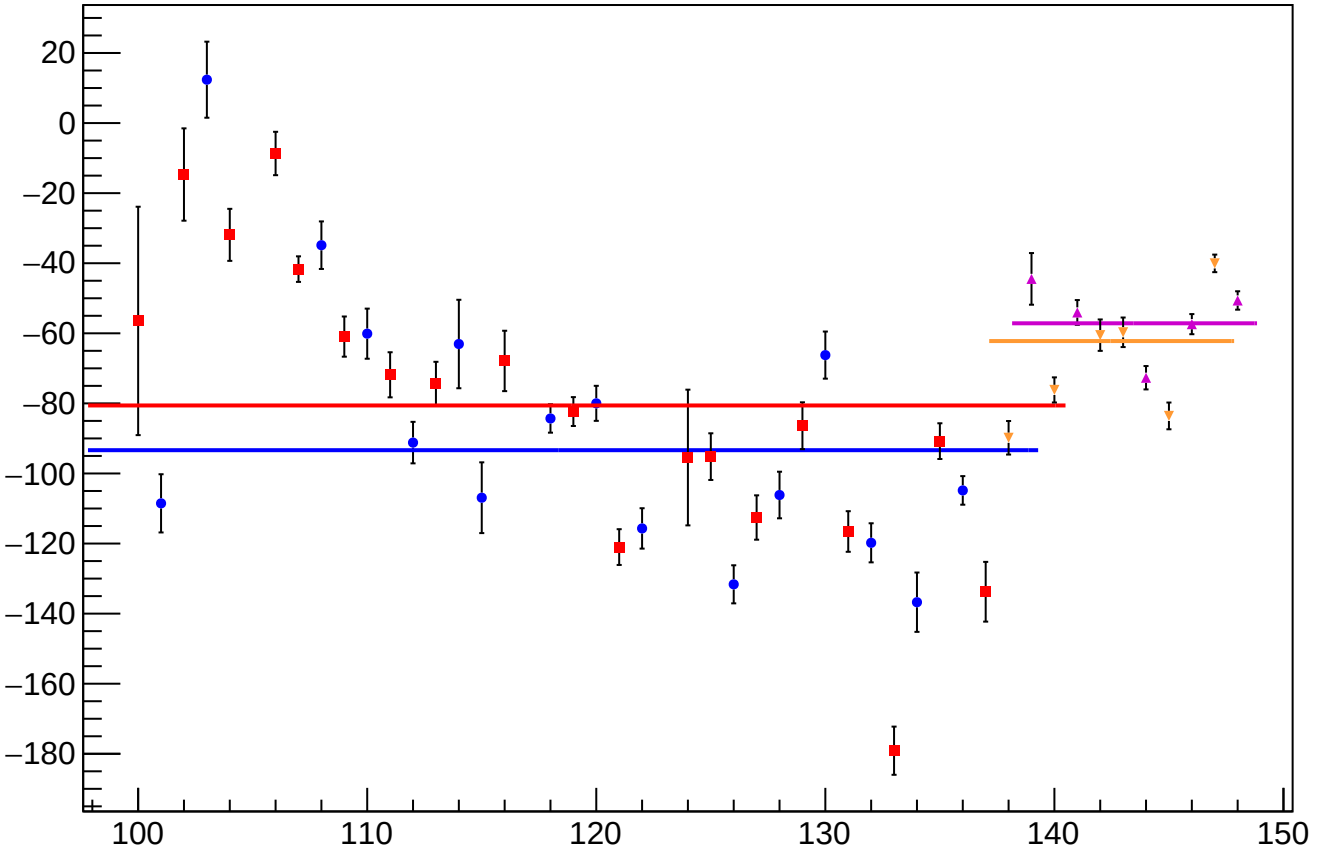
Left In: -250.447+/-1.793 χ^2/NDF:71.4/4

+ sign -275.636+/-1.126 χ^2/NDF: 1927.6/21

All: -262.264+/-0.783 χ^2/NDF: 7640.0/45

- sign -249.790+/-1.088 χ^2/NDF: 5440.1/23

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

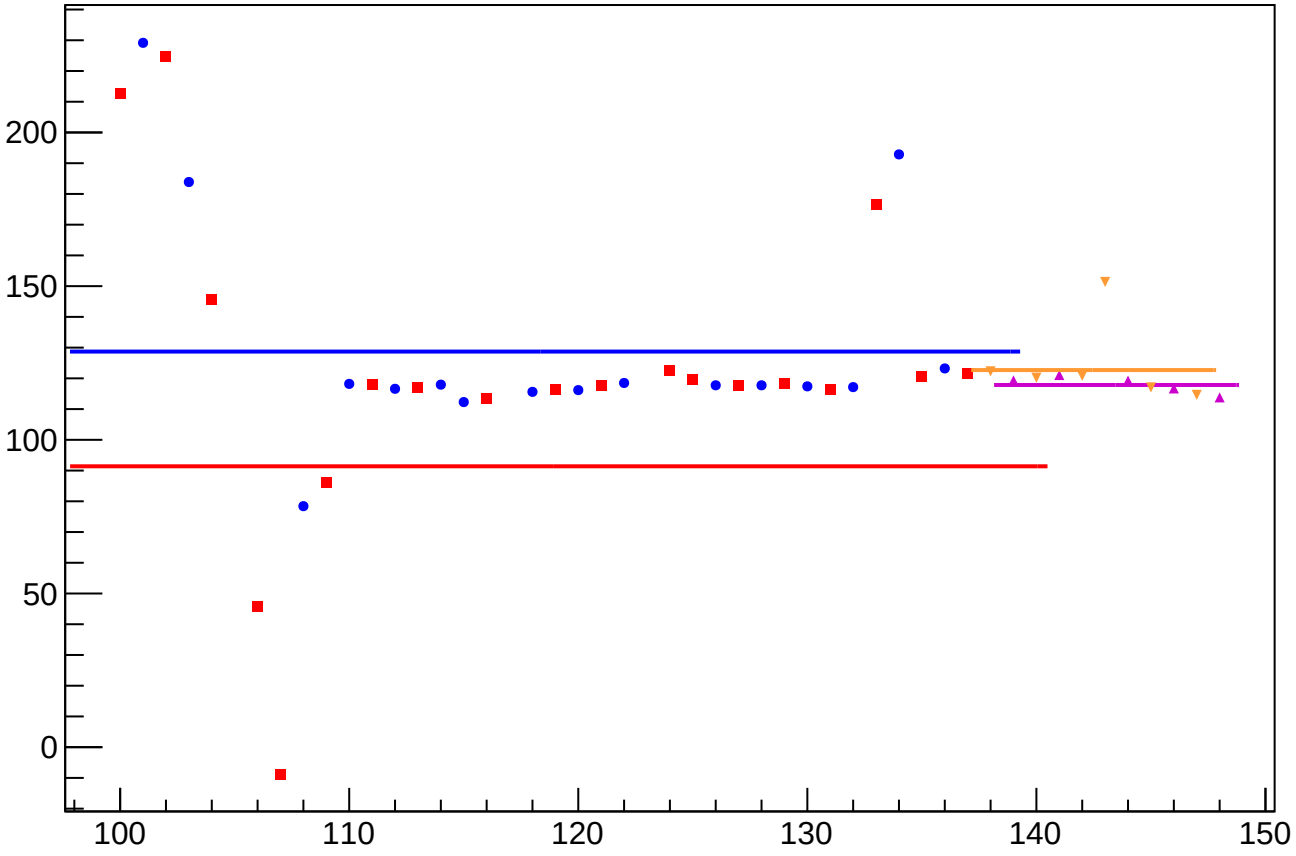
Left In: -57.143+/-1.483 χ^2/NDF:31.6/4

+ sign -77.243+/-1.066 χ^2/NDF: 727.0/21

All: -73.146+/-0.740 χ^2/NDF: 1632.5/45

- sign -69.343+/-1.027 χ^2/NDF: 877.0/23

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

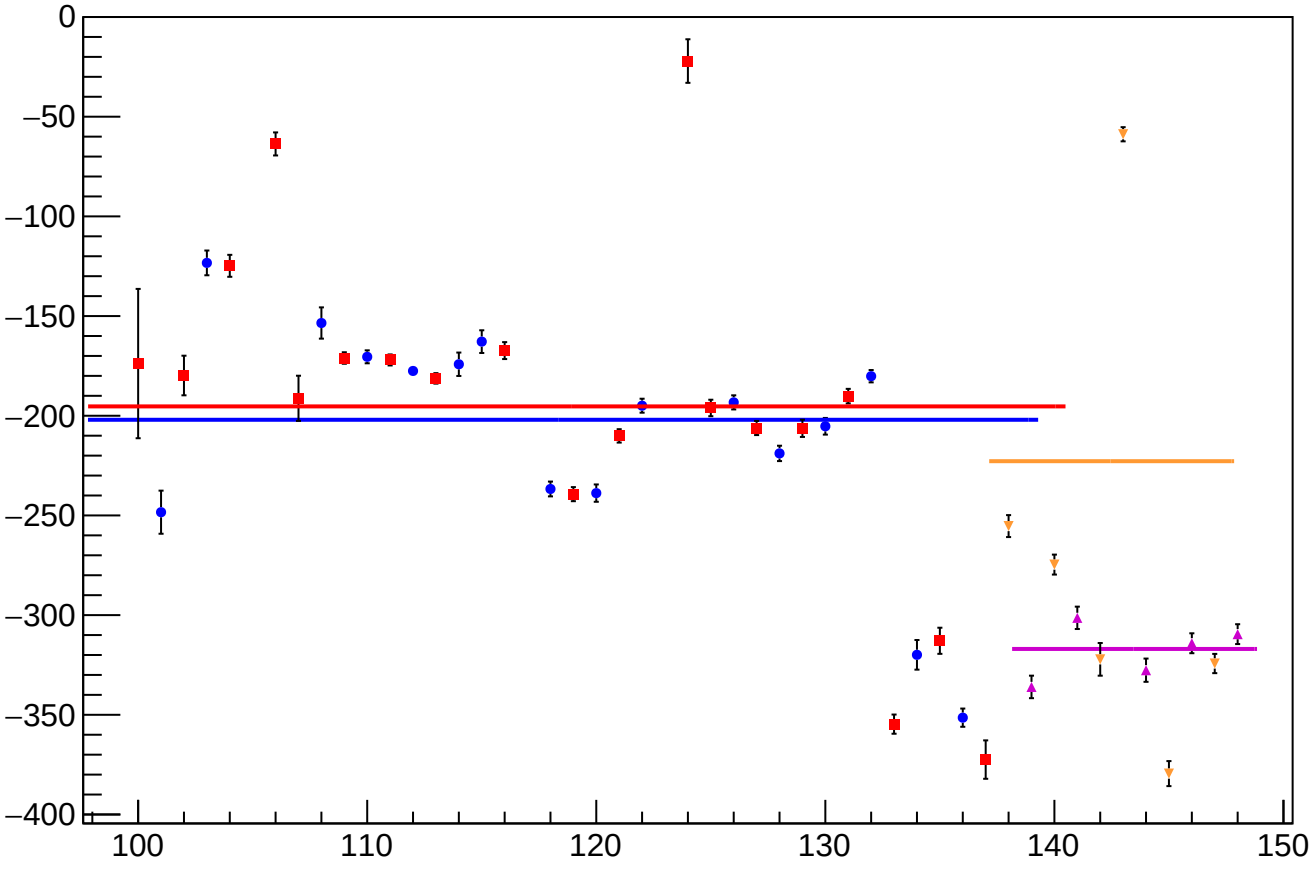
Left In: 117.844+/-0.073 χ^2/NDF:1264.9/4

+ sign 125.153+/-0.057 χ^2/NDF: 208553.6/21

All: 114.814+/-0.039 χ^2/NDF: 937192.7/45

- sign 105.605+/-0.054 χ^2/NDF: 666372.3/23

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

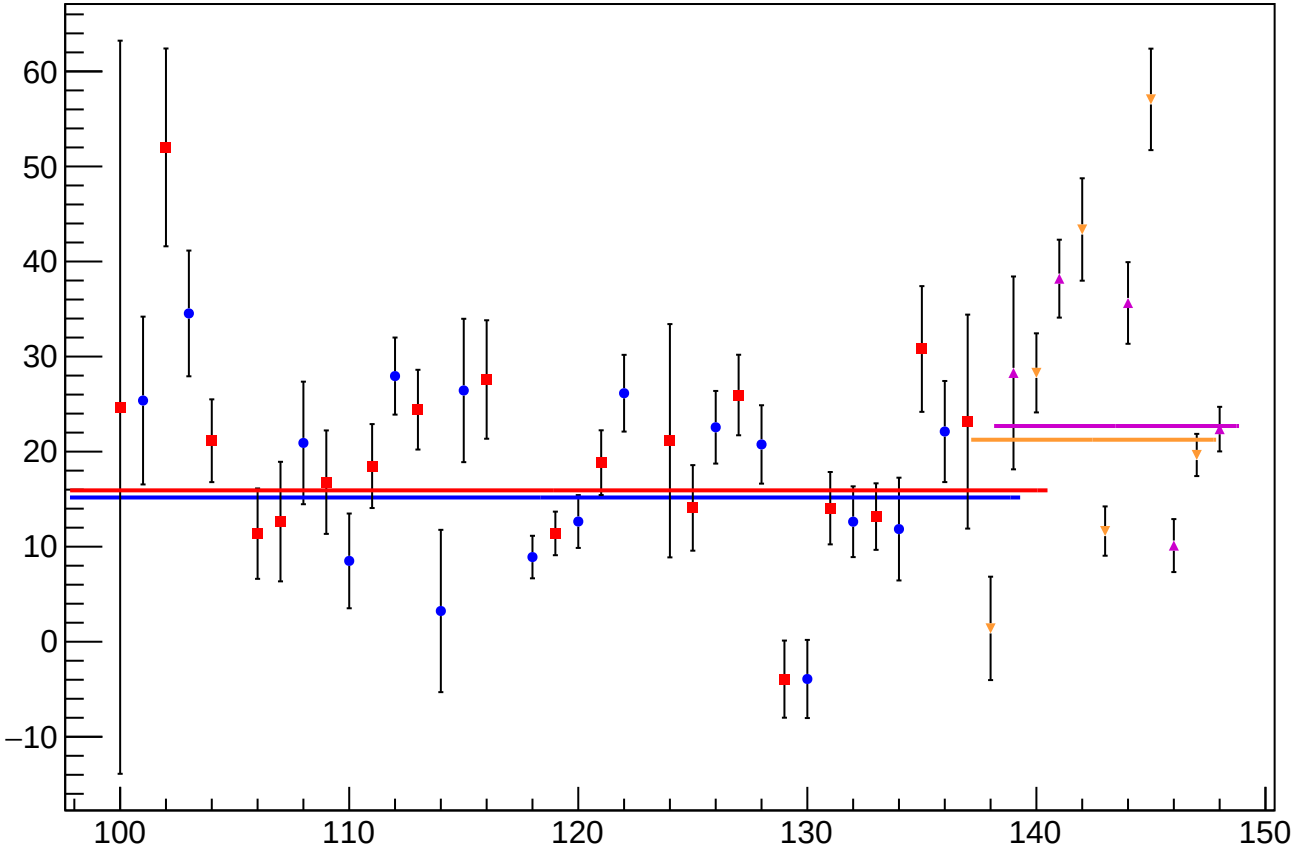
Left In: -316.969+/-2.404 χ^2/NDF:25.0/4

+ sign -206.127+/-0.917 χ^2/NDF: 5599.9/21

All: -209.349+/-0.643 χ^2/NDF: 10950.0/45

- sign -212.470+/-0.903 χ^2/NDF: 5325.8/23

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

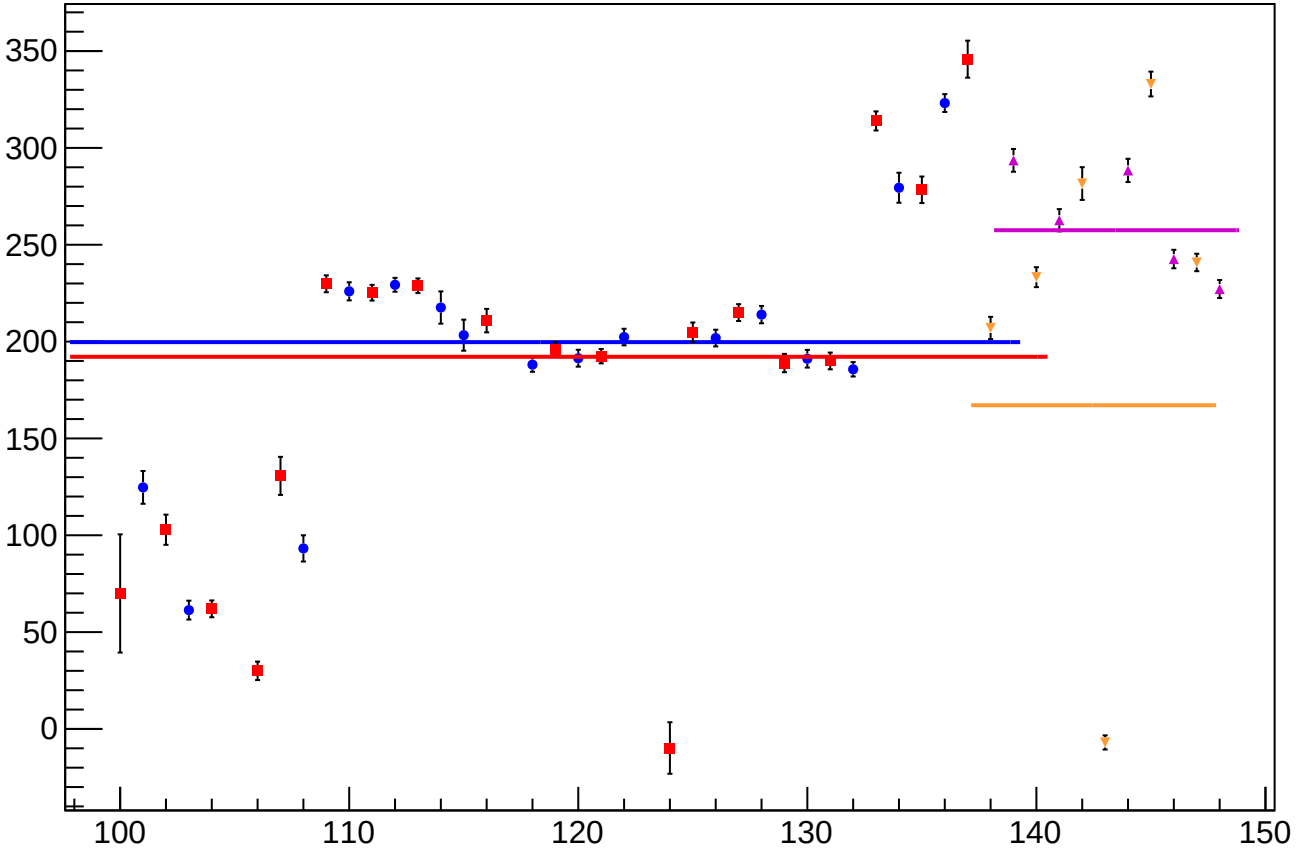
Left In: 22.694+/-1.518 χ^2/NDF:44.1/4

+ sign 17.364+/-0.838 χ^2/NDF: 176.7/21

All: 17.714+/-0.599 χ^2/NDF: 298.3/45

- sign 18.079+/-0.856 χ^2/NDF: 121.2/23

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

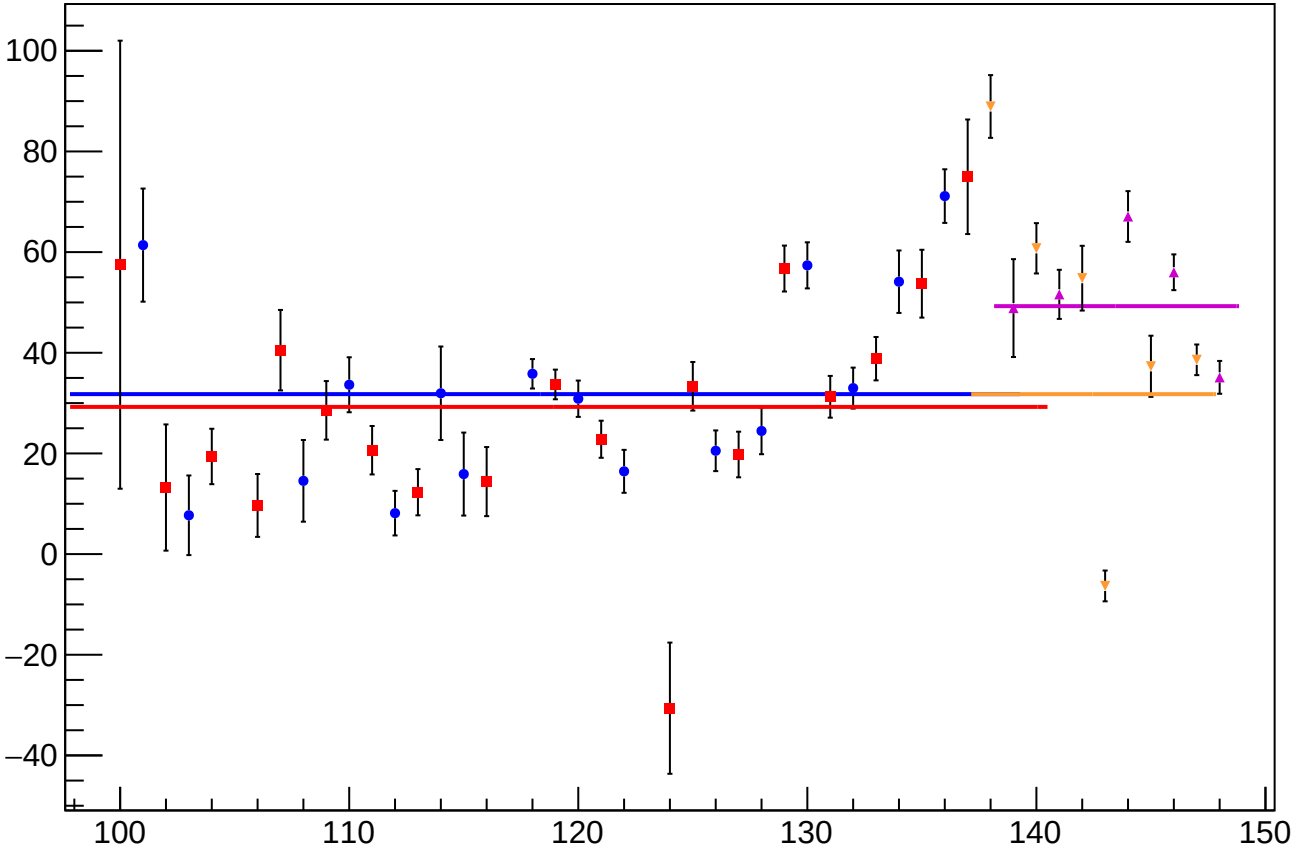
Left In: 257.501+/-2.379 χ^2/NDF:117.0/4

+ sign 191.643+/-1.037 χ^2/NDF: 5885.7/21

All: 198.103+/-0.733 χ^2/NDF: 10469.0/45

- sign 204.546+/-1.036 χ^2/NDF: 4505.8/23

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

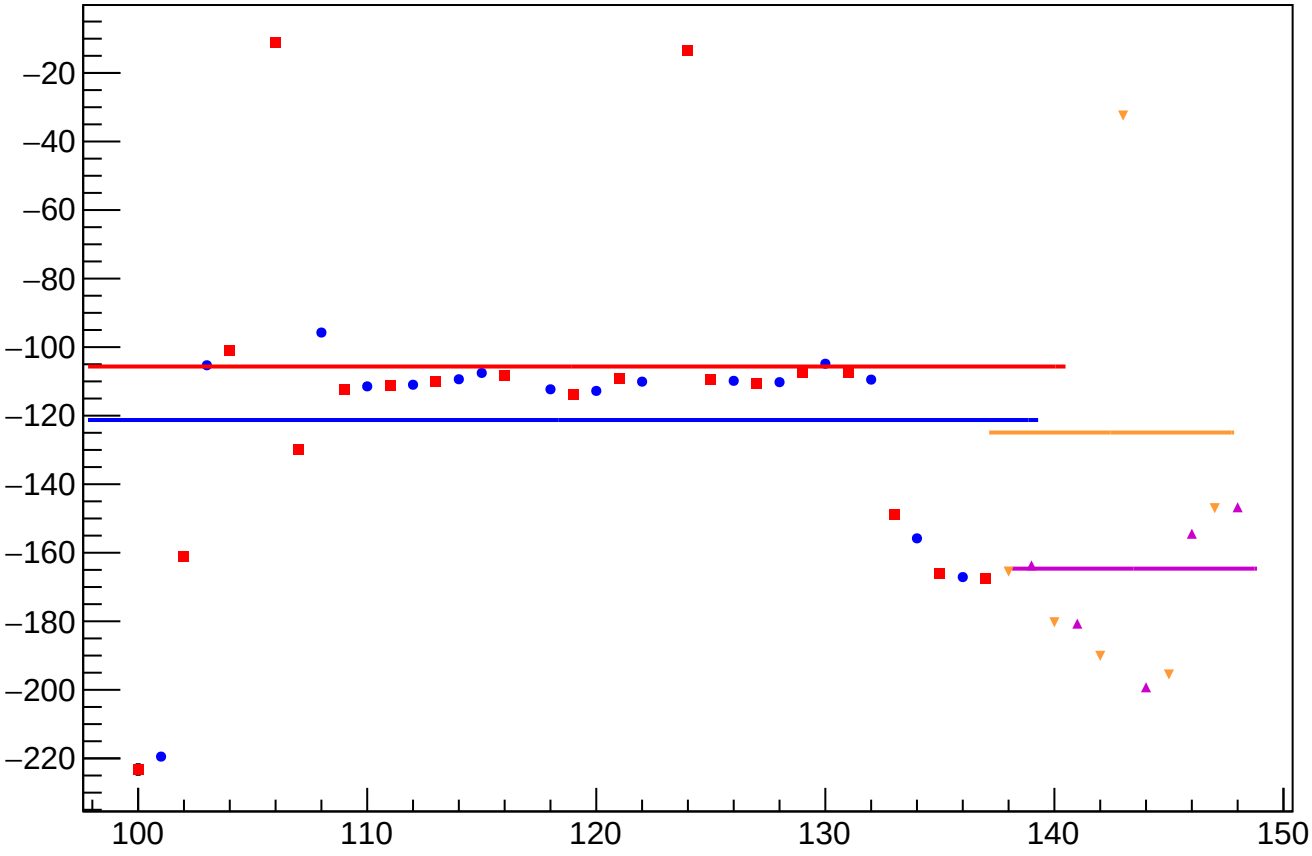
Left In: 49.263+/-1.942 χ^2/NDF:35.1/4

+ sign 31.780+/-0.996 χ^2/NDF: 468.5/21

All: 33.233+/-0.712 χ^2/NDF: 725.9/45

- sign 34.753+/-1.019 χ^2/NDF: 253.0/23

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

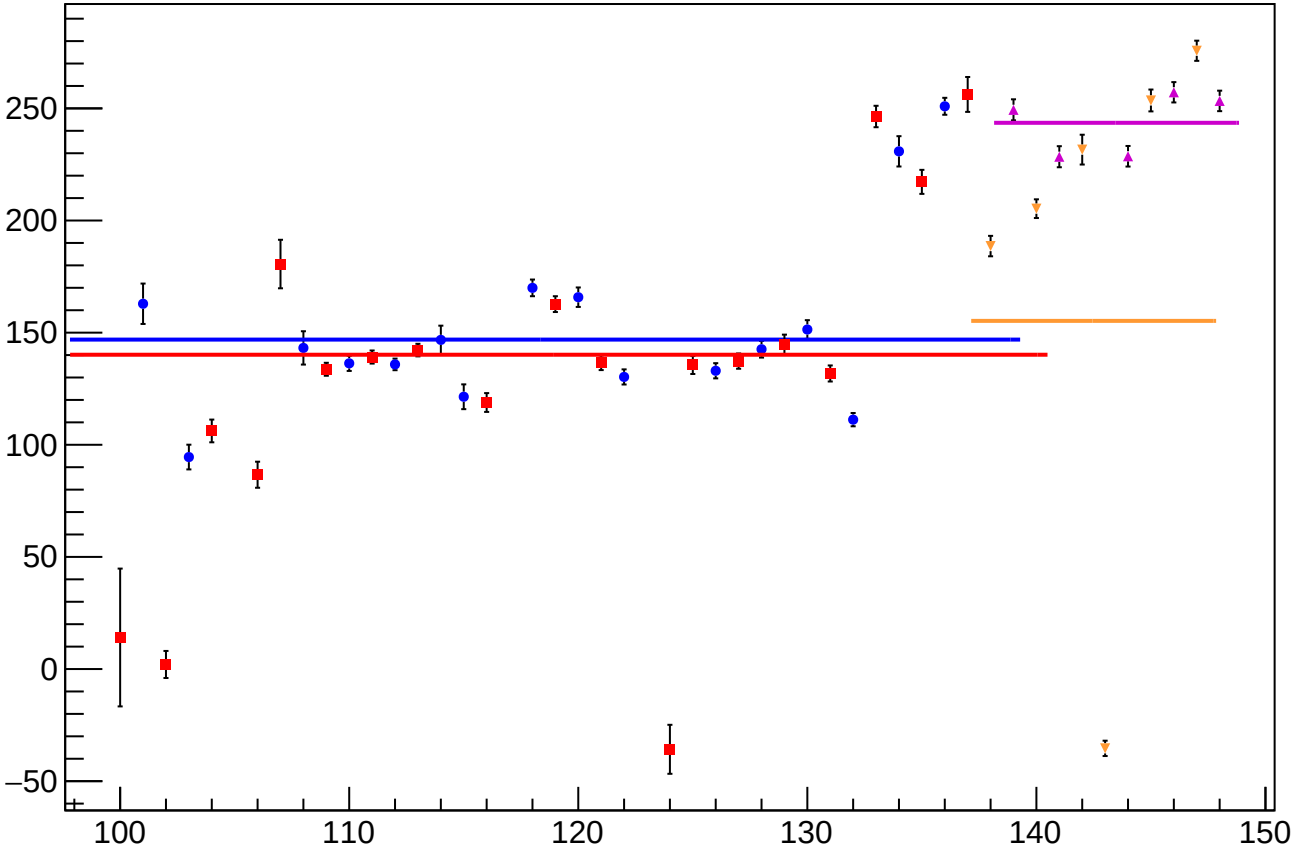
Left In: -164.632+/-0.097 χ^2/NDF:32653.6/4

+ sign -122.906+/-0.059 χ^2/NDF: 704940.9/21

All: -125.246+/-0.042 χ^2/NDF: 1327908.4/45

- sign -127.618+/-0.059 χ^2/NDF: 619777.8/23

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

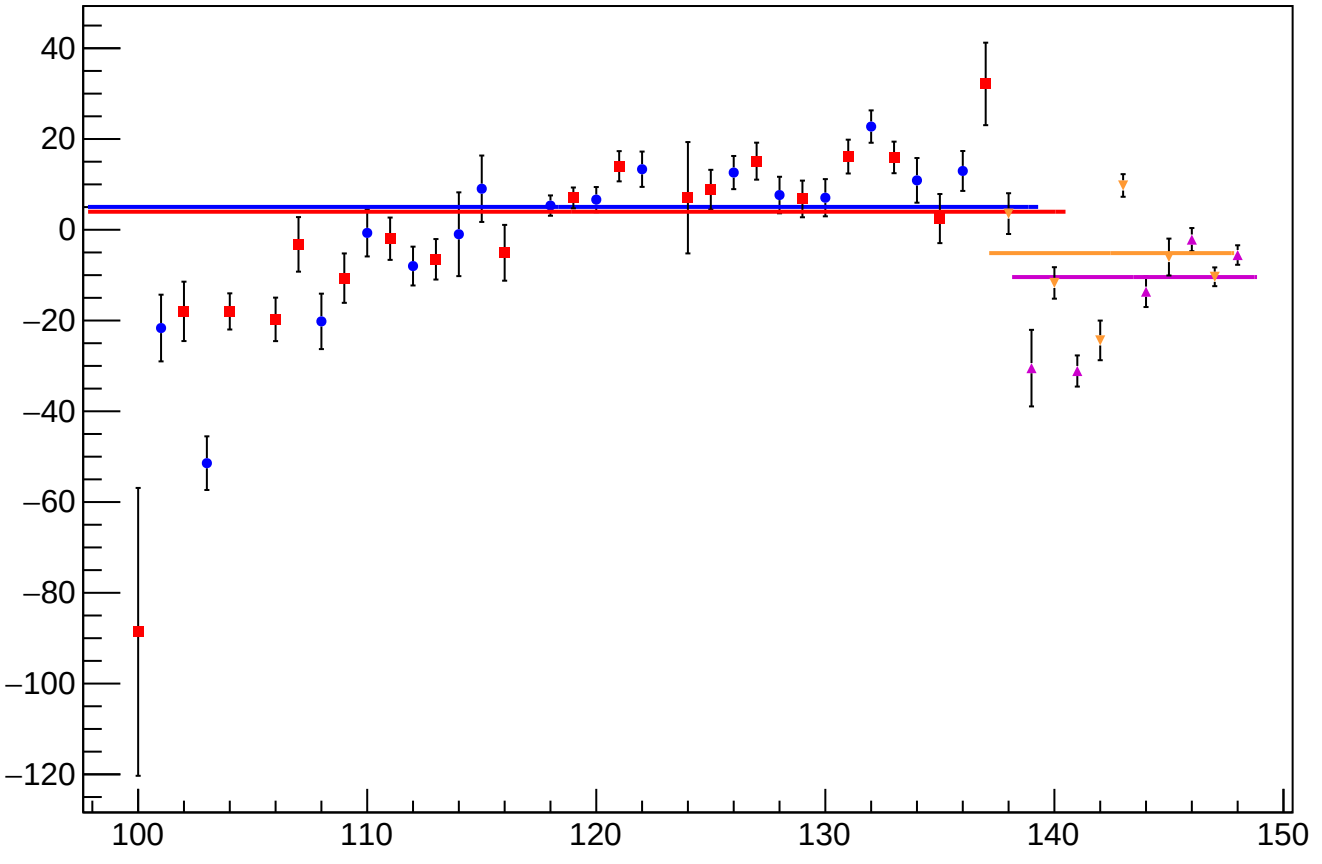
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 243.572+/-2.063 χ^2/NDF:36.0/4

+ sign 148.868+/-0.877 χ^2/NDF: 5880.6/21

All: 153.750+/-0.618 χ^2/NDF: 9993.6/45

- sign 158.556+/-0.870 χ^2/NDF: 4051.5/23



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

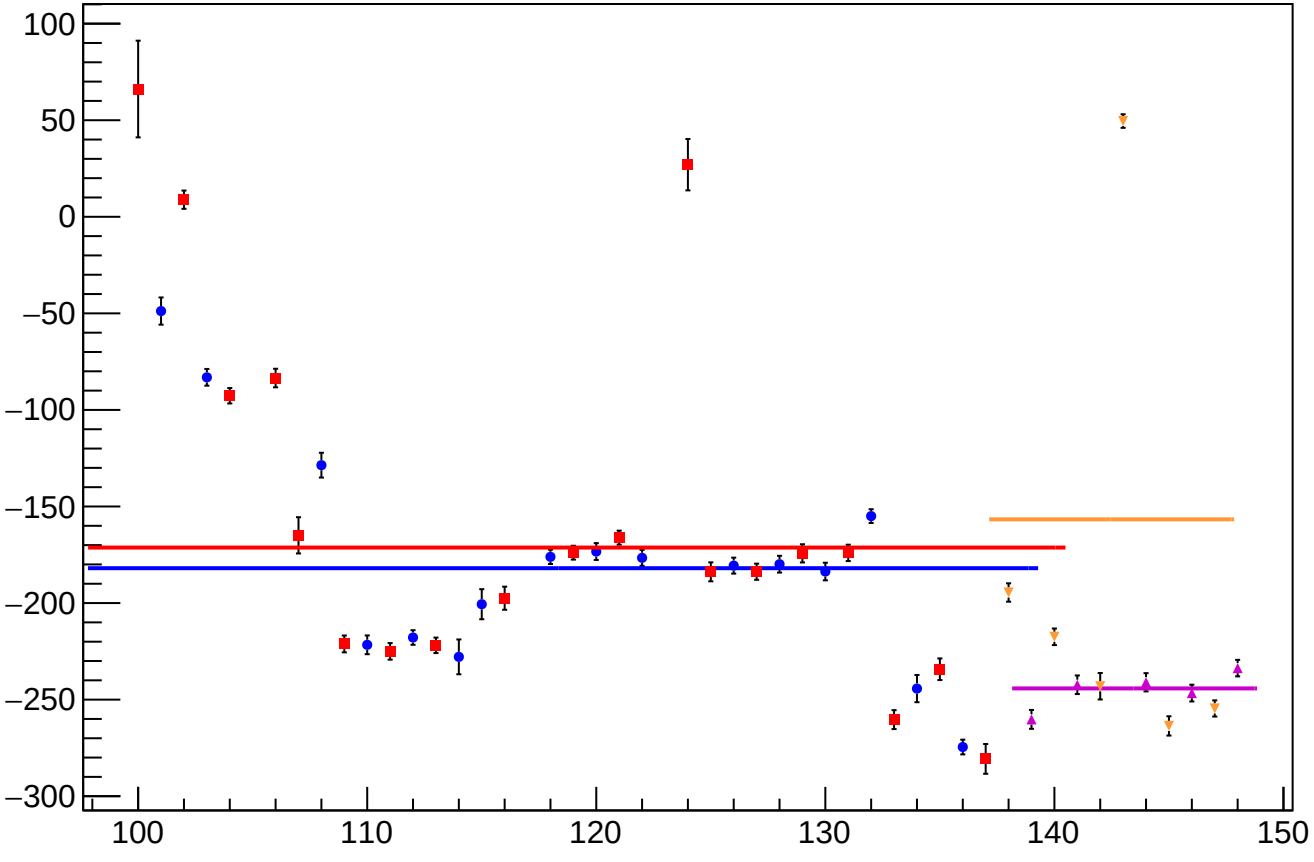
Left In: -10.421+/-1.341 χ^2/NDF:58.5/4

+ sign 0.961+/-0.791 χ^2/NDF: 280.6/21

All: -0.120+/-0.565 χ^2/NDF: 561.1/45

- sign -1.247+/-0.808 χ^2/NDF: 276.8/23

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

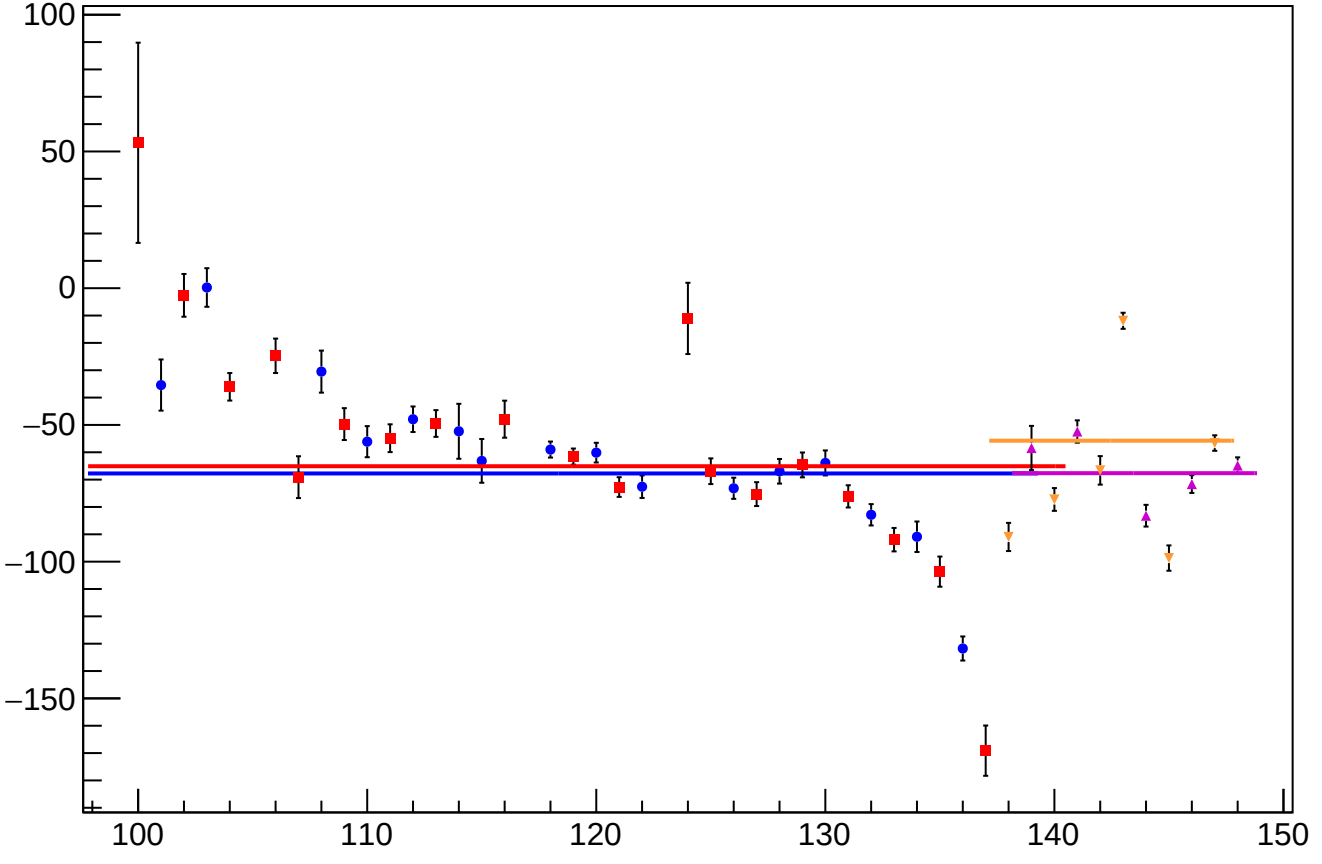
Left In: -244.195+/-2.052 χ^2/NDF:17.7/4

+ sign -174.765+/-0.977 χ^2/NDF: 6873.0/21

All: -181.278+/-0.691 χ^2/NDF: 11584.8/45

- sign -187.798+/-0.977 χ^2/NDF: 4622.8/23

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

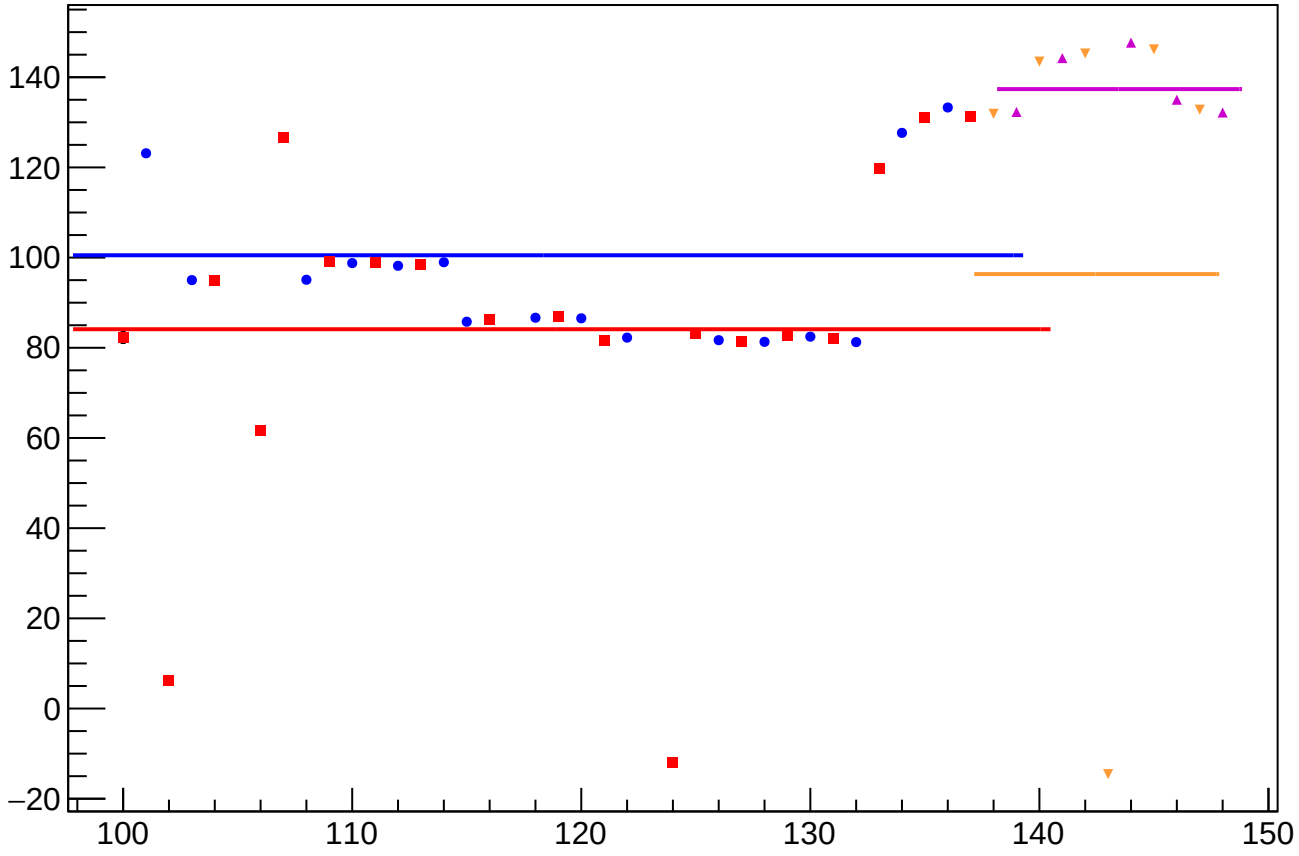
Left In: -67.642+/-1.702 χ^2/NDF:32.9/4

+ sign -63.327+/-0.938 χ^2/NDF: 838.0/21

All: -64.589+/-0.672 χ^2/NDF: 1305.2/45

- sign -65.916+/-0.962 χ^2/NDF: 463.5/23

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

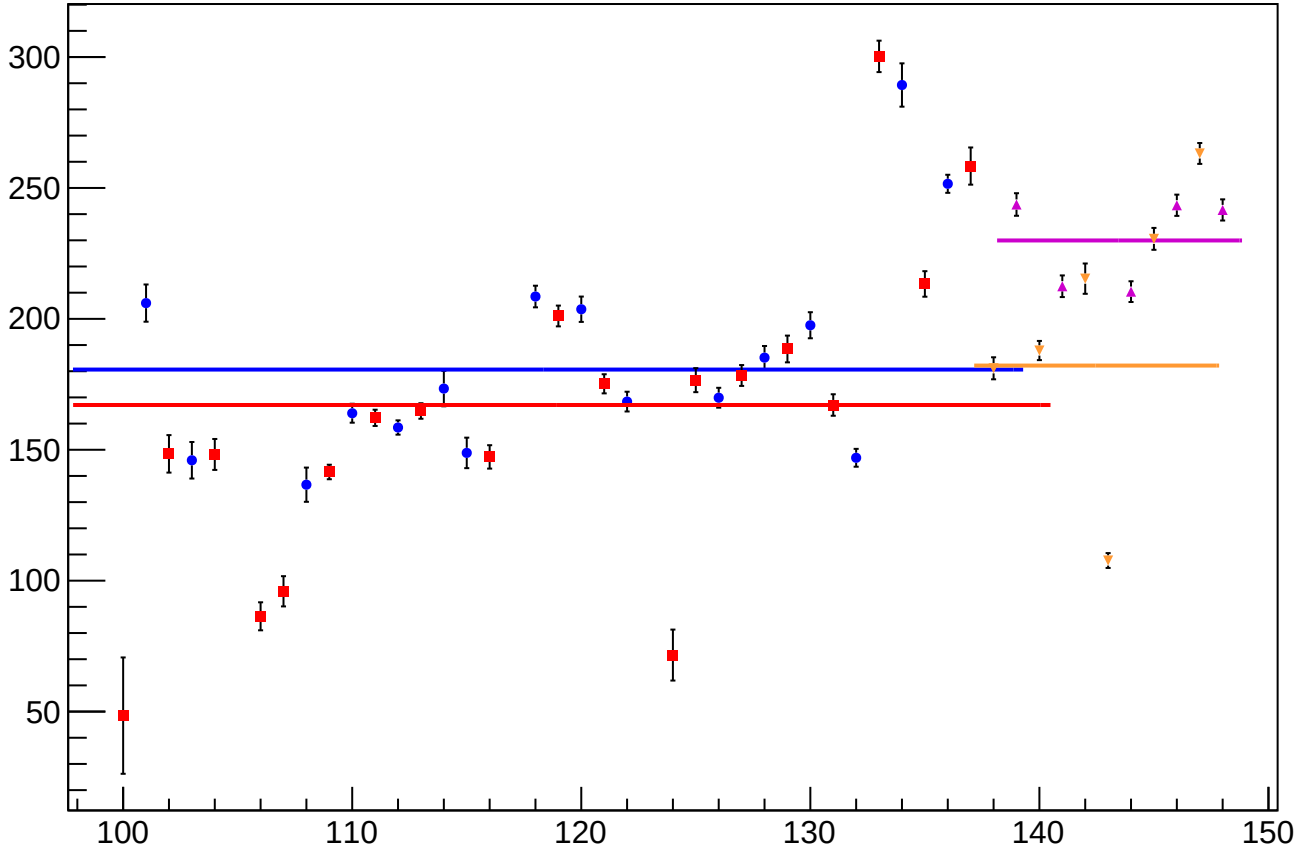
Left In: 137.366+/-0.084 χ^2/NDF:5490.9/4

+ sign 98.511+/-0.053 χ^2/NDF: 873348.1/21

All: 102.136+/-0.038 χ^2/NDF: 1392478.8/45

- sign 105.758+/-0.053 χ^2/NDF: 509897.8/23

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

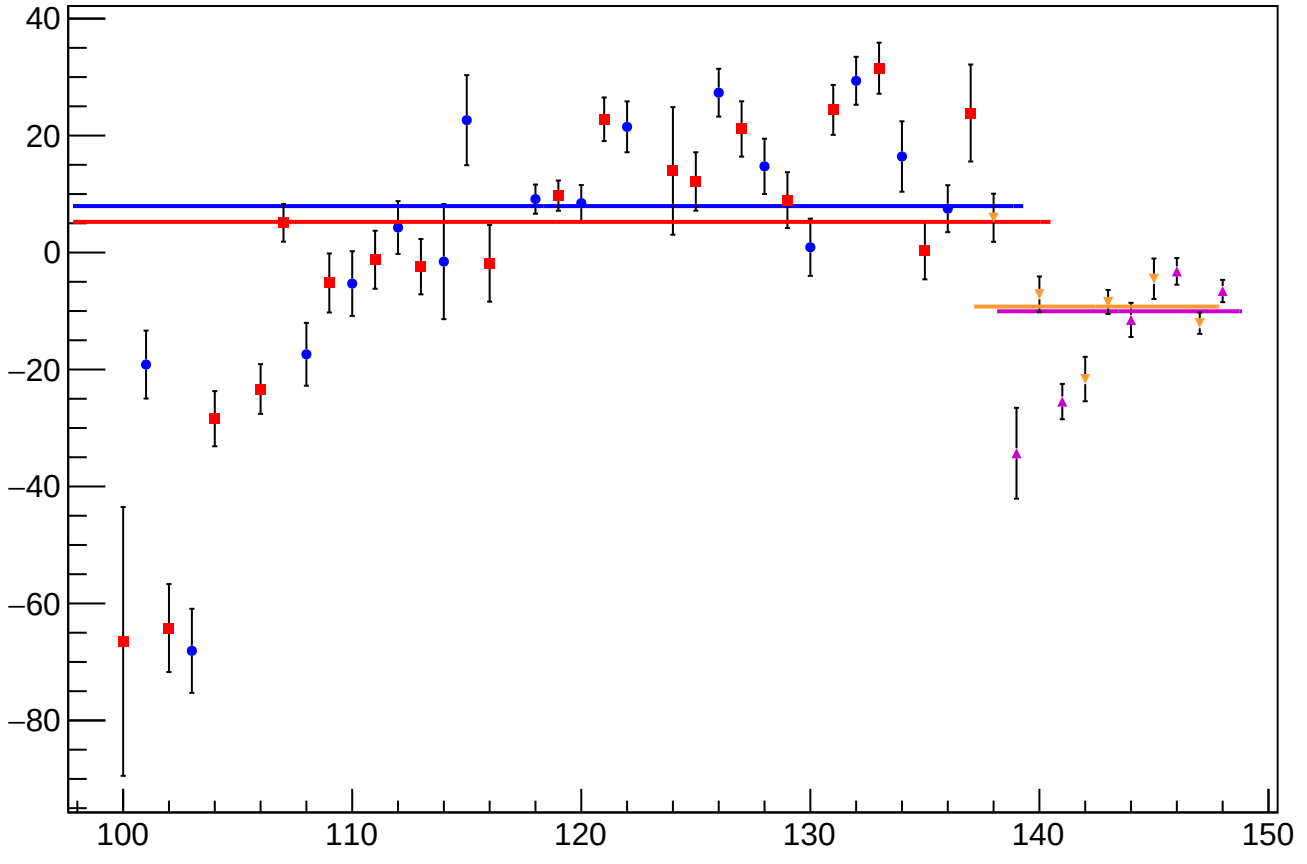
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45

- sign 181.989+/-0.892 χ^2/NDF: 2454.1/23



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

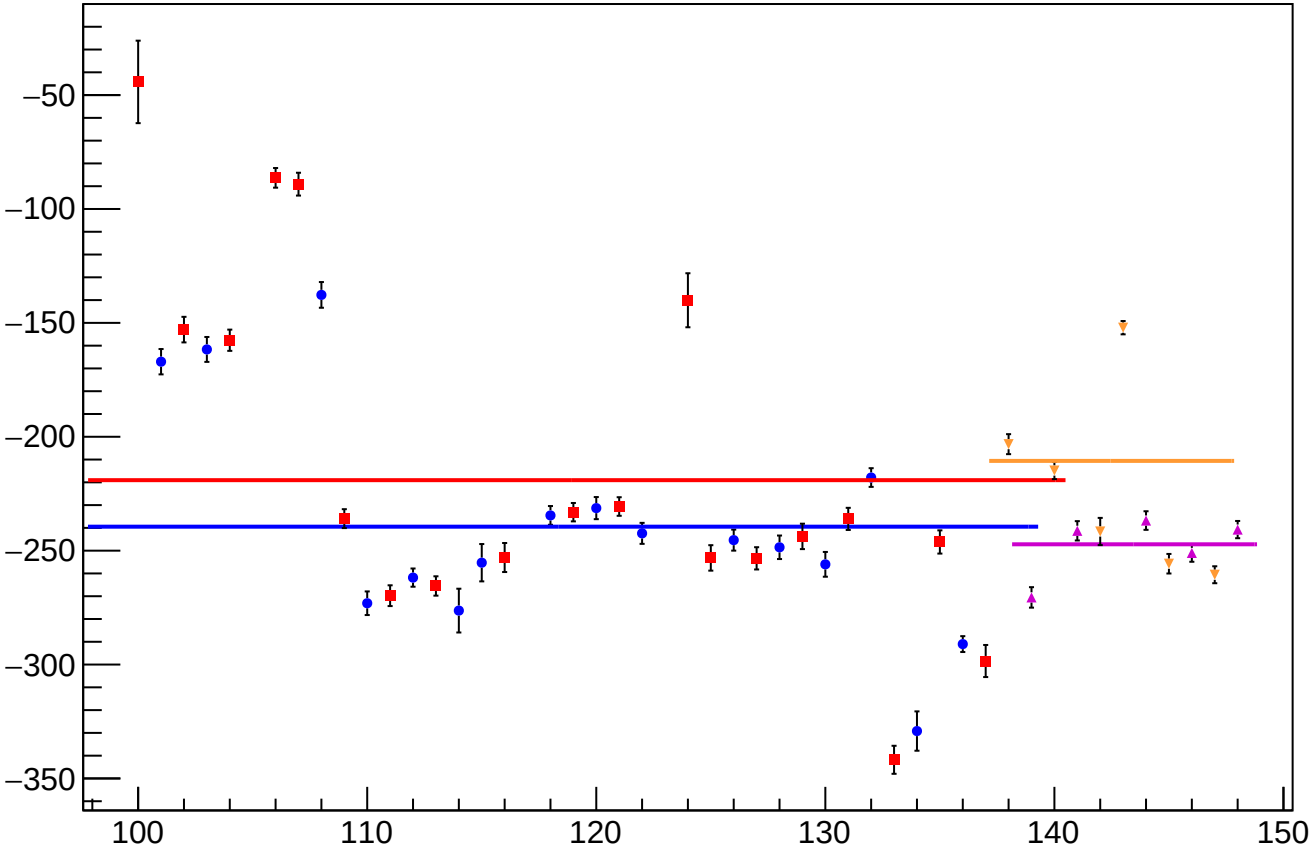
Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -1.216+/-0.554 χ^2/NDF: 828.4/45

- sign -1.561+/-0.791 χ^2/NDF: 443.5/23

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

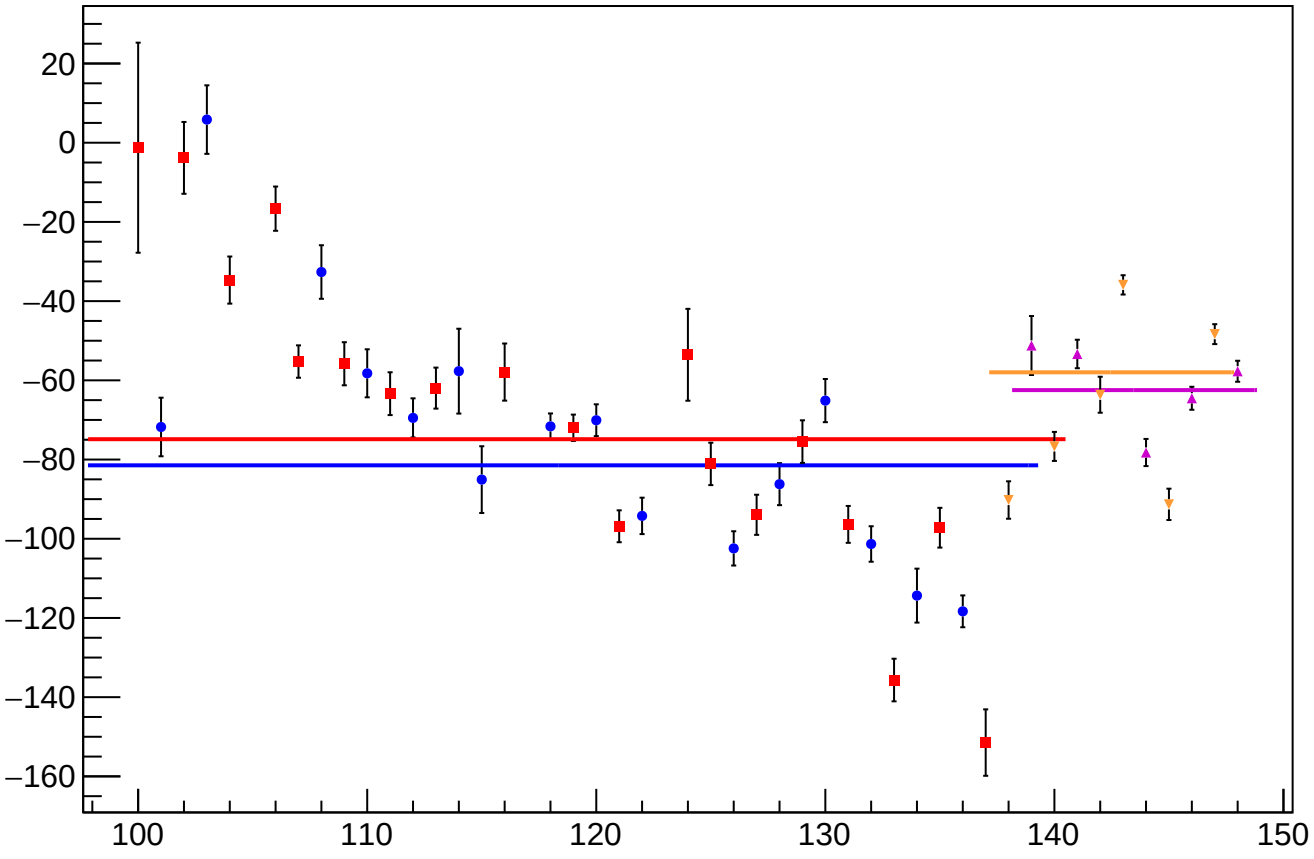
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

+ sign -228.515+/-0.981 χ^2/NDF: 2088.7/21

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45

- sign -227.337+/-0.988 χ^2/NDF: 3257.1/23



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

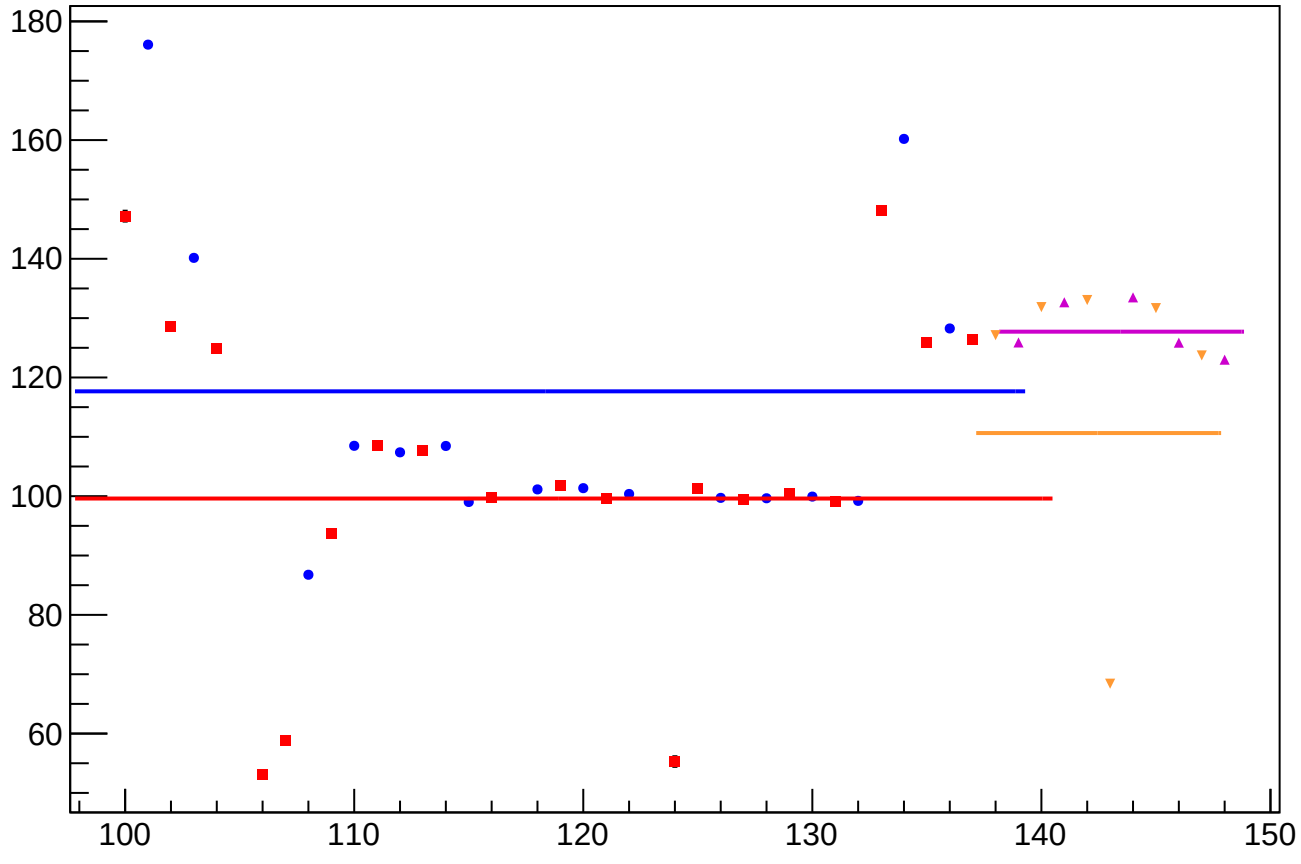
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45

- sign -69.897+/-0.952 χ^2/NDF: 650.9/23



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

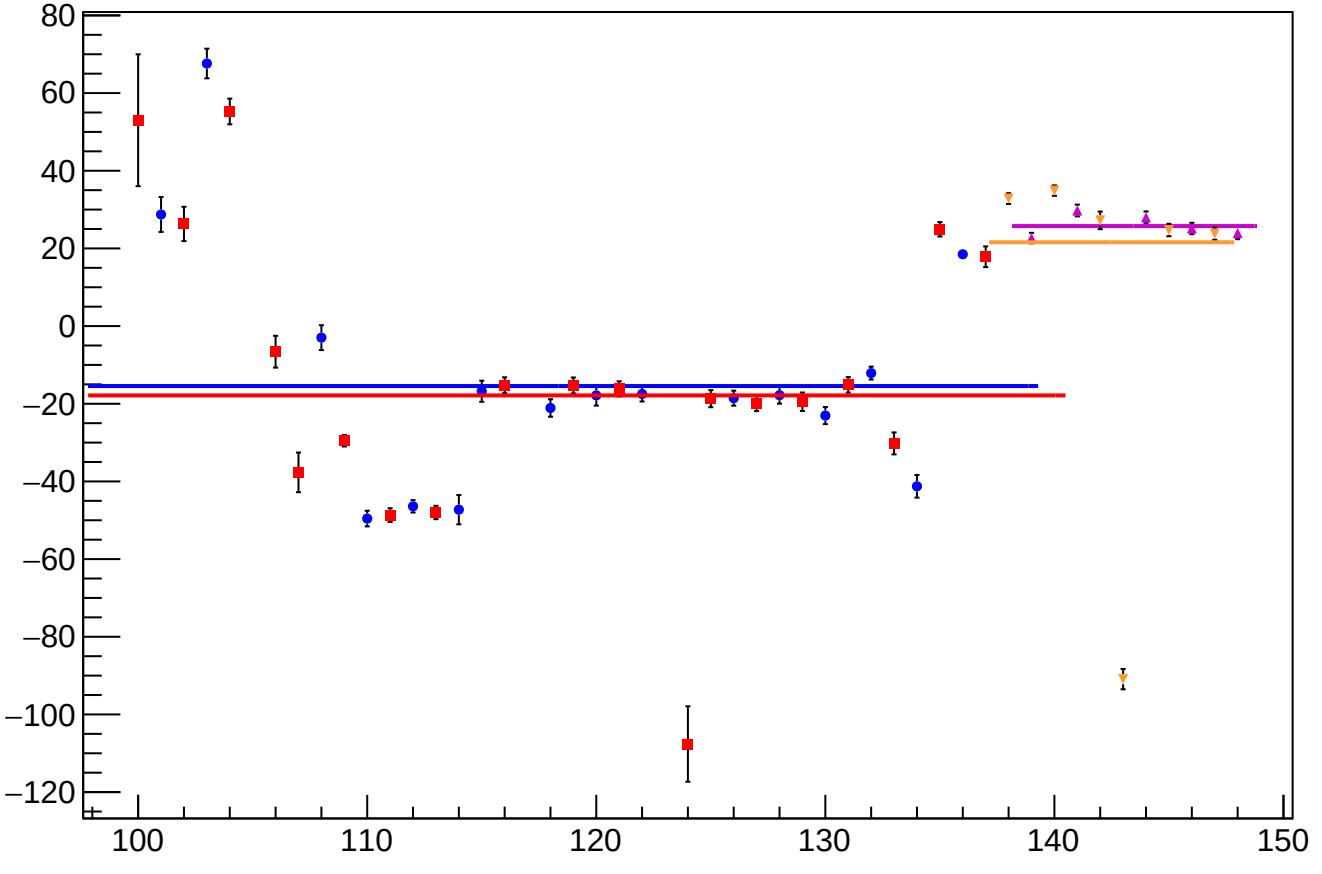
Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45

- sign 112.852+/-0.051 χ^2/NDF: 244607.9/23

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

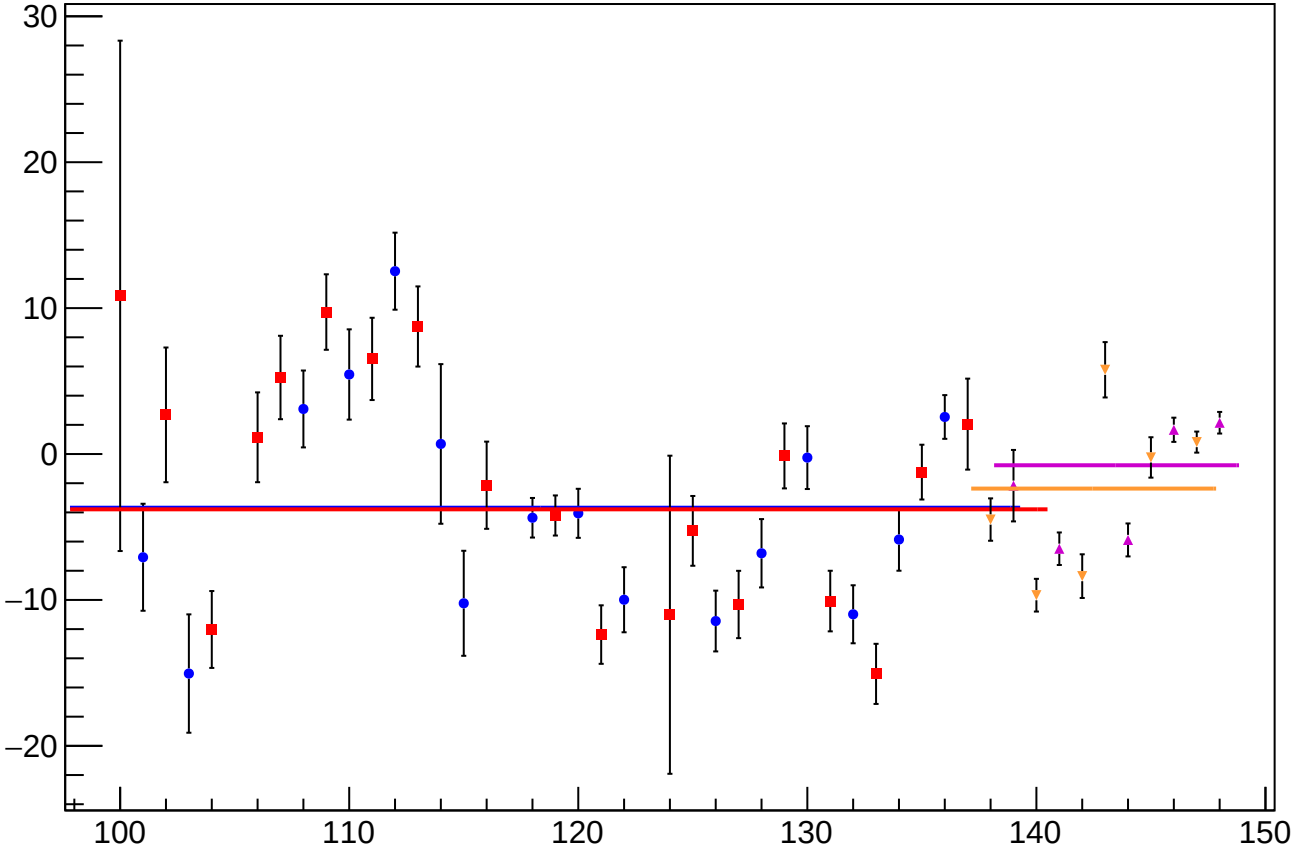
Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

+ sign -0.948+/-0.421 χ^2/NDF: 6001.0/21

All: -0.903+/-0.295 χ^2/NDF: 10782.7/45

- sign -0.860+/-0.414 χ^2/NDF: 4781.6/23

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

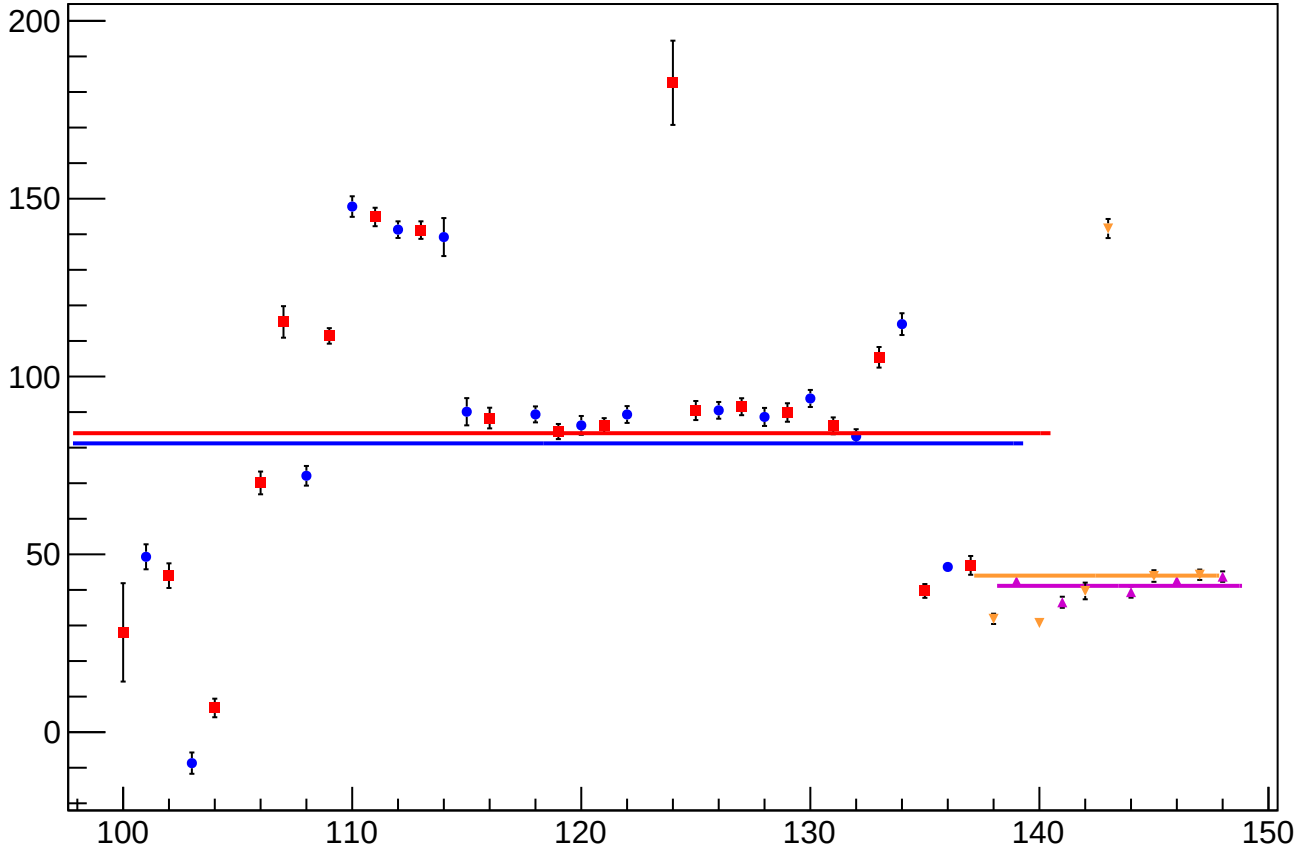
Left In: -0.770+/-0.446 χ^2/NDF:71.3/4

+ sign -2.926+/-0.360 χ^2/NDF: 228.2/21

All: -2.414+/-0.251 χ^2/NDF: 482.3/45

- sign -1.932+/-0.350 χ^2/NDF: 250.2/23

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

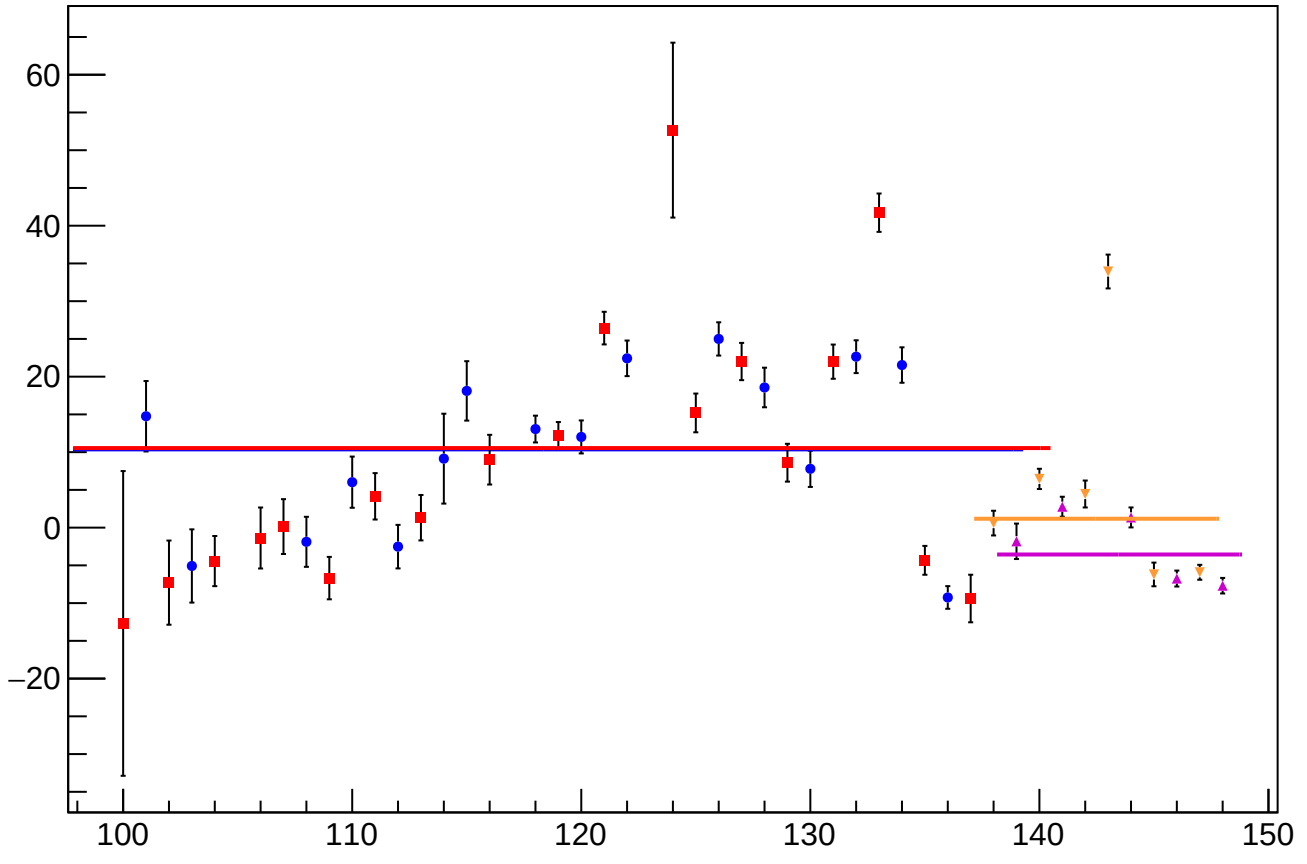
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

+ sign 64.688+/-0.453 χ^2/NDF: 6383.8/21

All: 64.405+/-0.319 χ^2/NDF: 11859.8/45

- sign 64.124+/-0.451 χ^2/NDF: 5475.2/23



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.178+/-0.590 χ^2/NDF:306.2/5

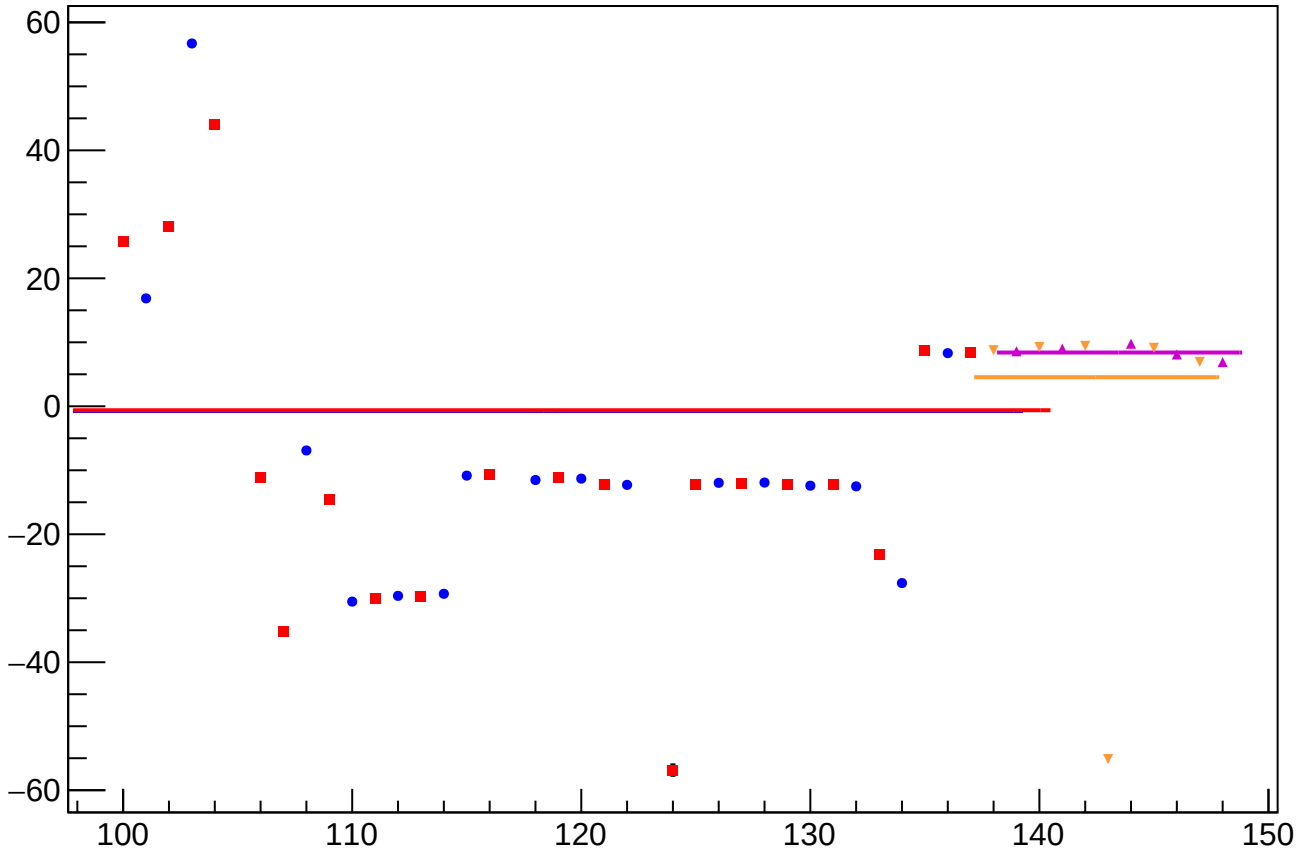
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

\+ sign 5.497+/-0.430 χ^2/NDF: 780.0/21

All: 4.013+/-0.301 χ^2/NDF: 1610.5/45

\- sign 2.578+/-0.422 χ^2/NDF: 807.1/23



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

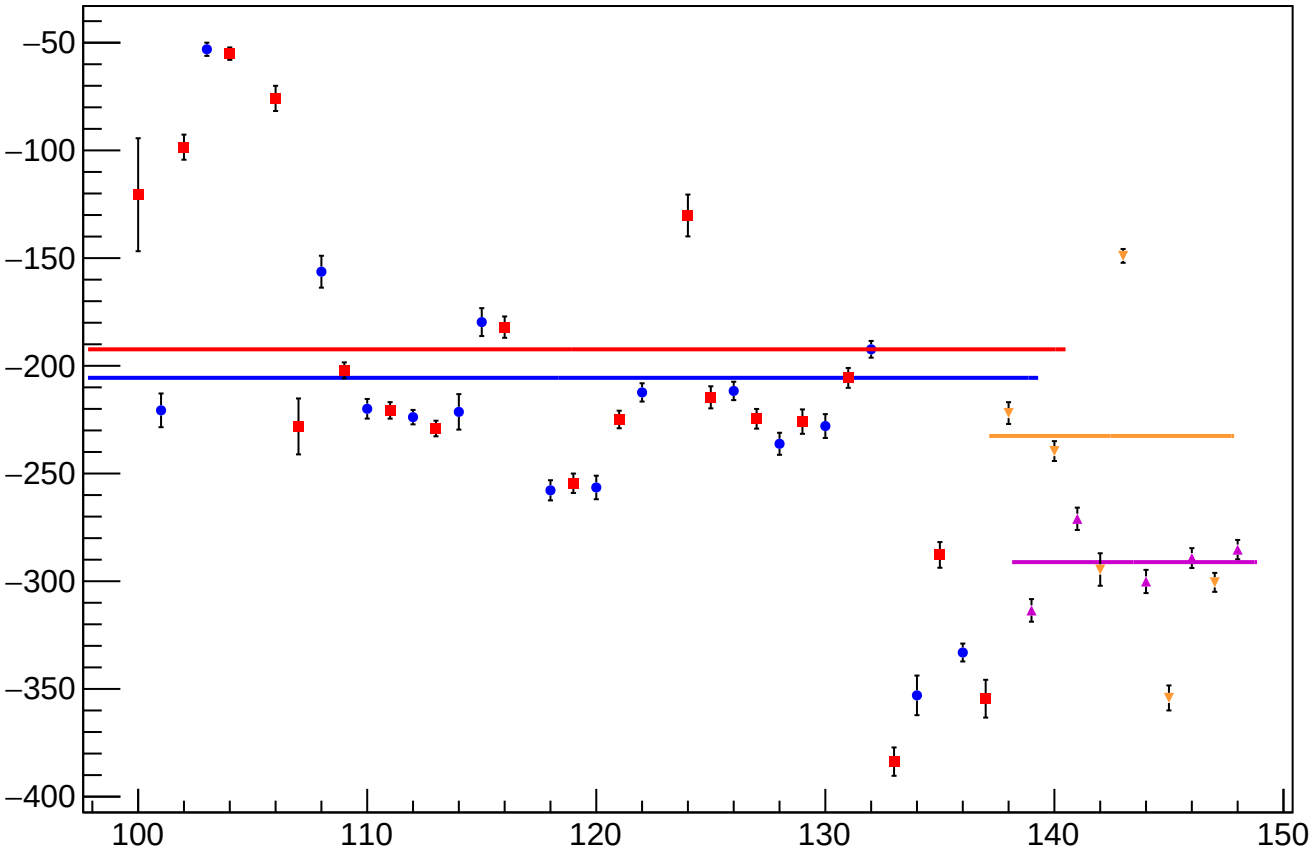
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

+ sign 2.512+/-0.022 χ^2/NDF: 687113.1/21

All: 3.961+/-0.016 χ^2/NDF: 1051668.7/45

- sign 5.345+/-0.022 χ^2/NDF: 356252.4/23



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -232.556+/-1.883 χ^2/NDF:1430.2/5

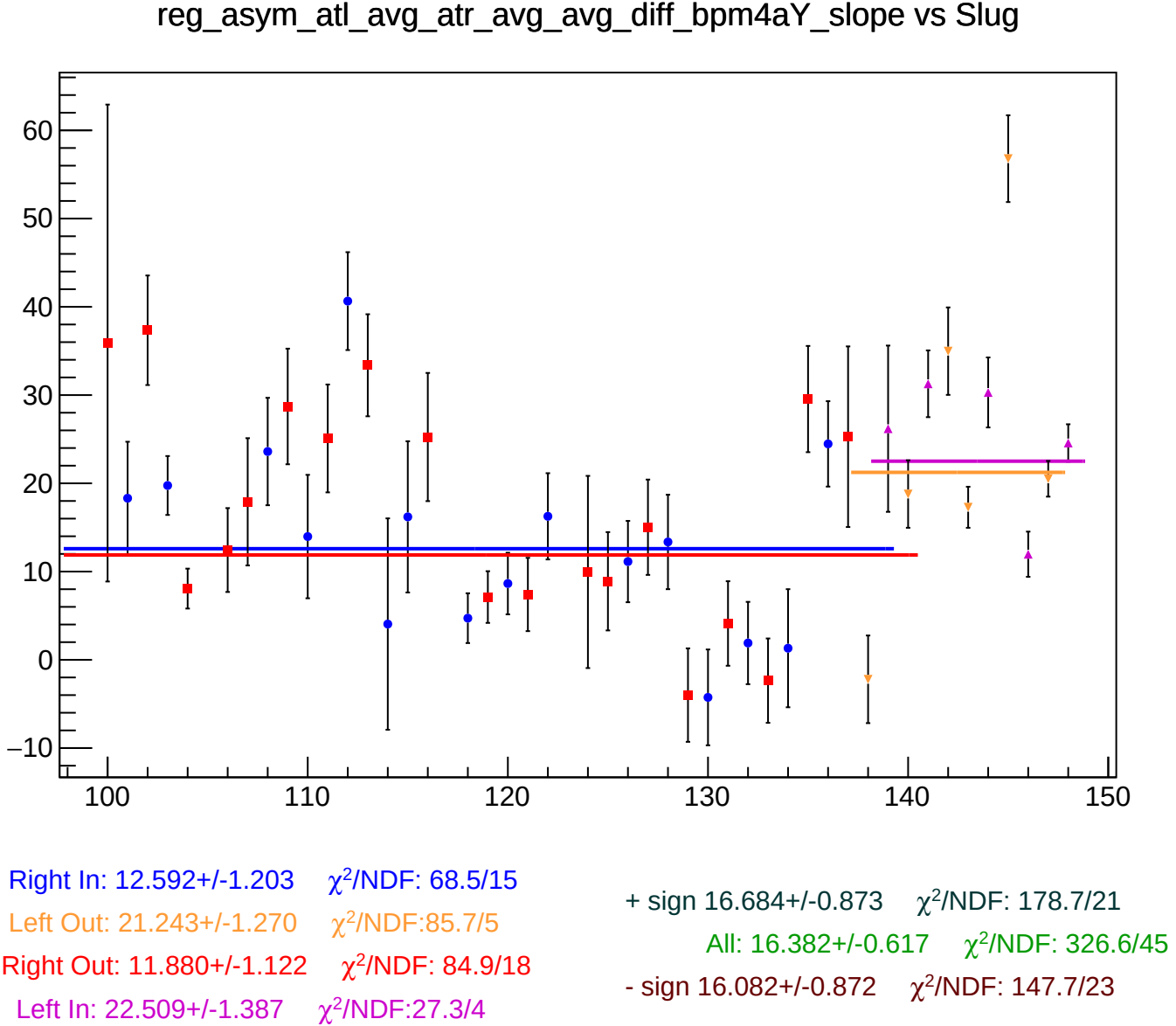
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -291.129+/-2.211 χ^2/NDF:38.0/4

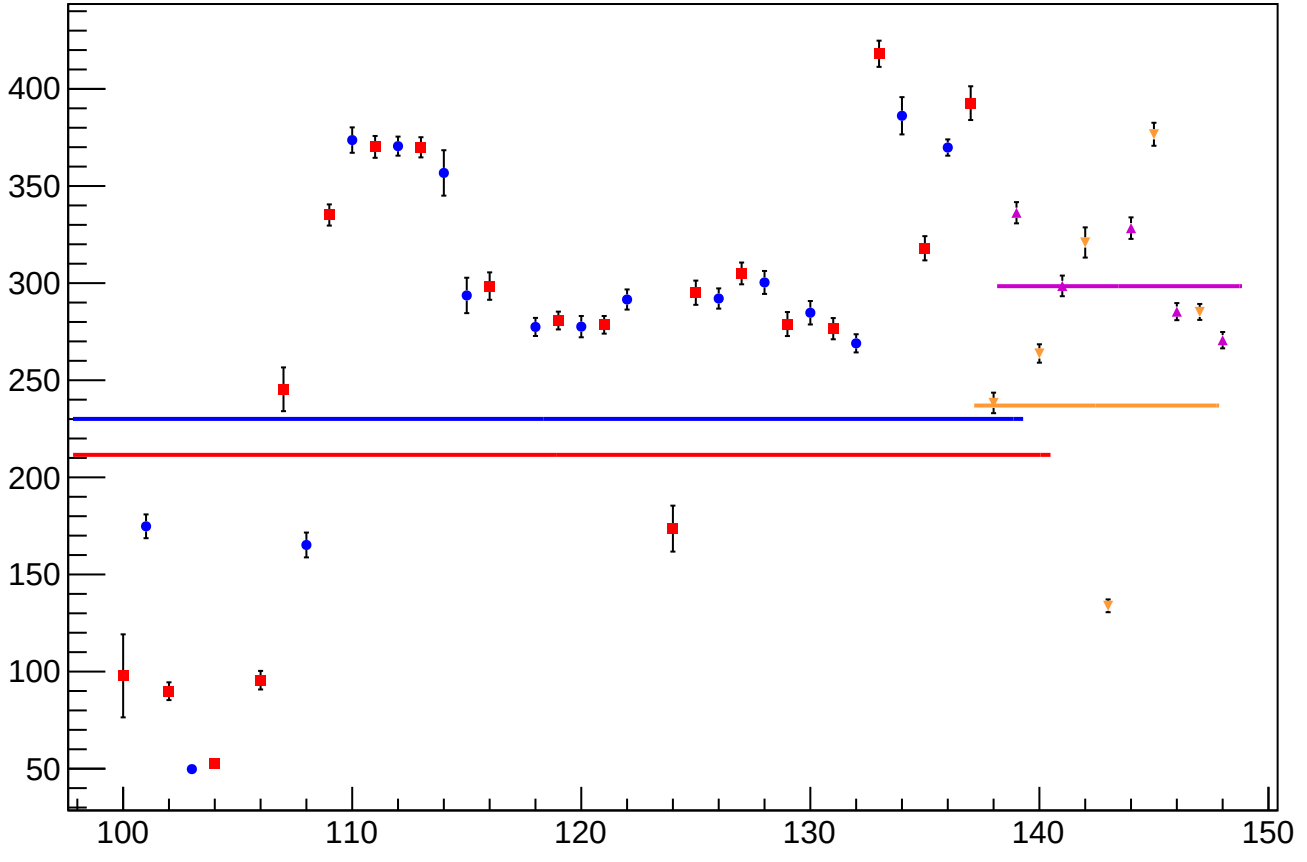
+ sign -213.230+/-1.003 χ^2/NDF: 5633.4/21

All: -212.912+/-0.708 χ^2/NDF: 12228.9/45

- sign -212.594+/-1.001 χ^2/NDF: 6595.3/23


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
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: 22.509+/-1.387 χ²/NDF:27.3/4
+ sign 16.684+/-0.873 χ²/NDF: 178.7/21
All: 16.382+/-0.617 χ²/NDF: 326.6/45
- sign 16.082+/-0.872 χ²/NDF: 147.7/23

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

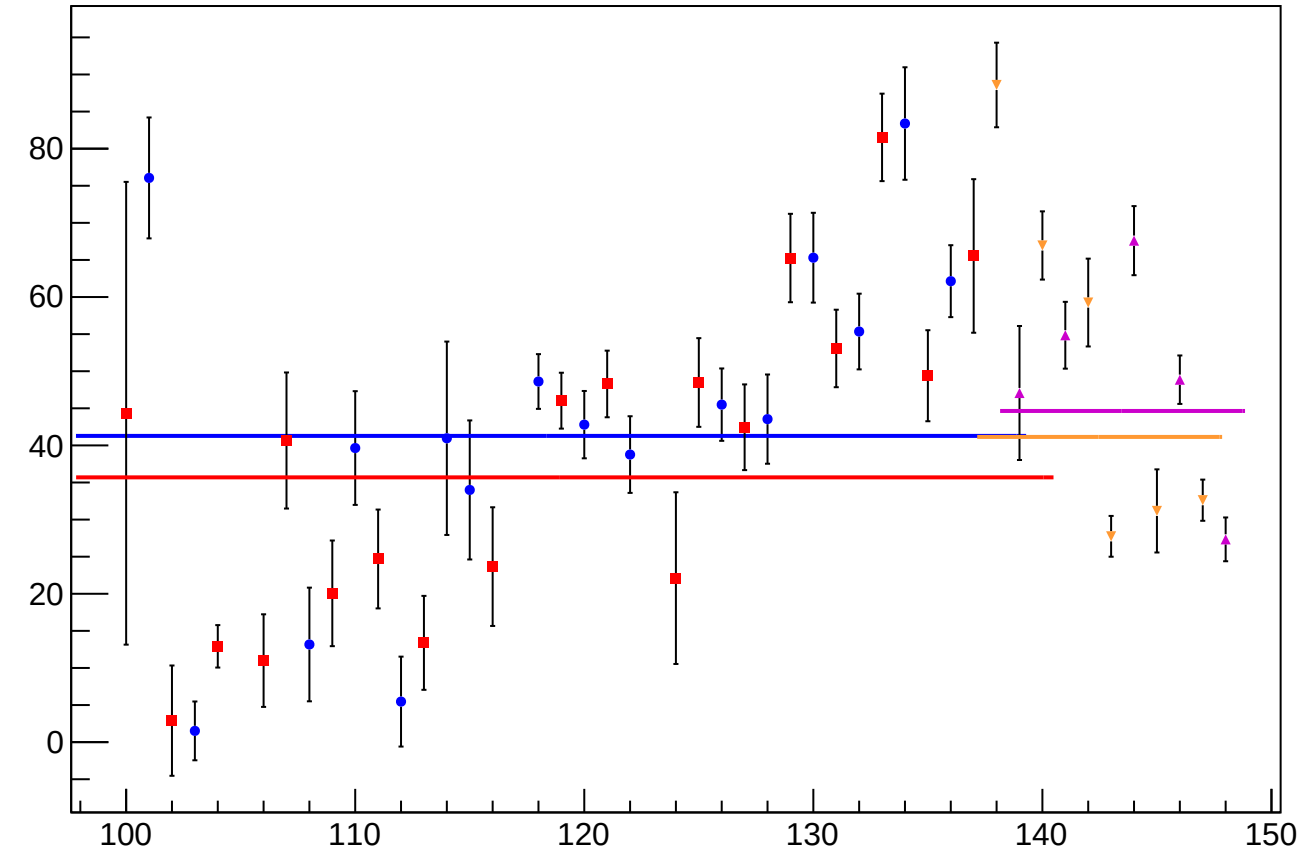
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 298.427+/-2.186 χ^2/NDF:129.3/4

+ sign 232.193+/-1.050 χ^2/NDF: 11204.4/21

All: 231.887+/-0.742 χ^2/NDF: 24021.3/45

- sign 231.582+/-1.049 χ^2/NDF: 12816.7/23



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 41.143+/-1.580 χ^2/NDF:146.4/5

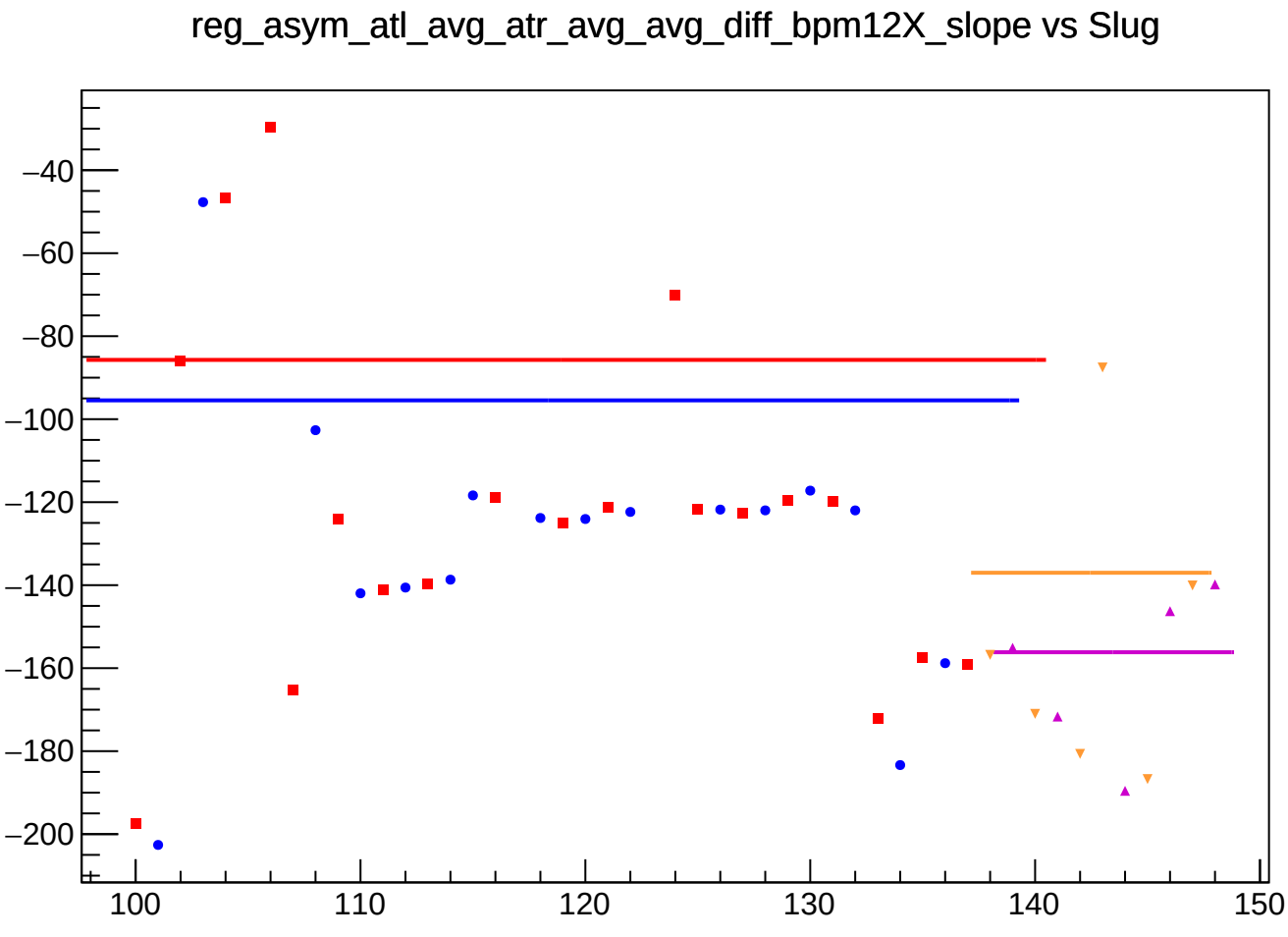
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 44.643+/-1.778 χ^2/NDF:65.6/4

+ sign 41.221+/-1.047 χ^2/NDF: 392.2/21

All: 40.055+/-0.744 χ^2/NDF: 729.8/45

- sign 38.863+/-1.058 χ^2/NDF: 335.1/23



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

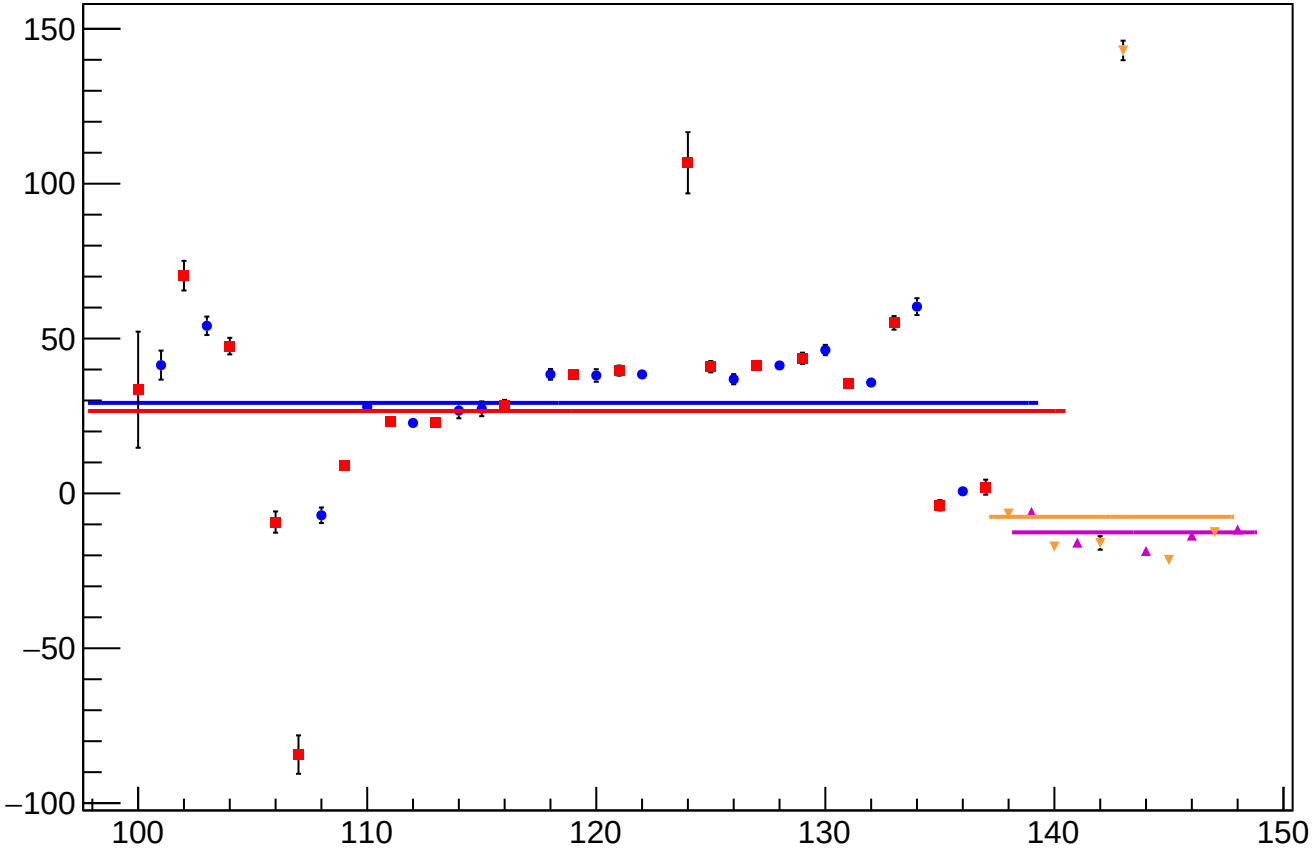
Left In: -156.165+/-0.089 χ^2/NDF:35018.6/4

+ sign -113.268+/-0.053 χ^2/NDF: 901296.9/21

All: -112.216+/-0.037 χ^2/NDF: 1819034.9/45

- sign -111.121+/-0.054 χ^2/NDF: 916918.1/23

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

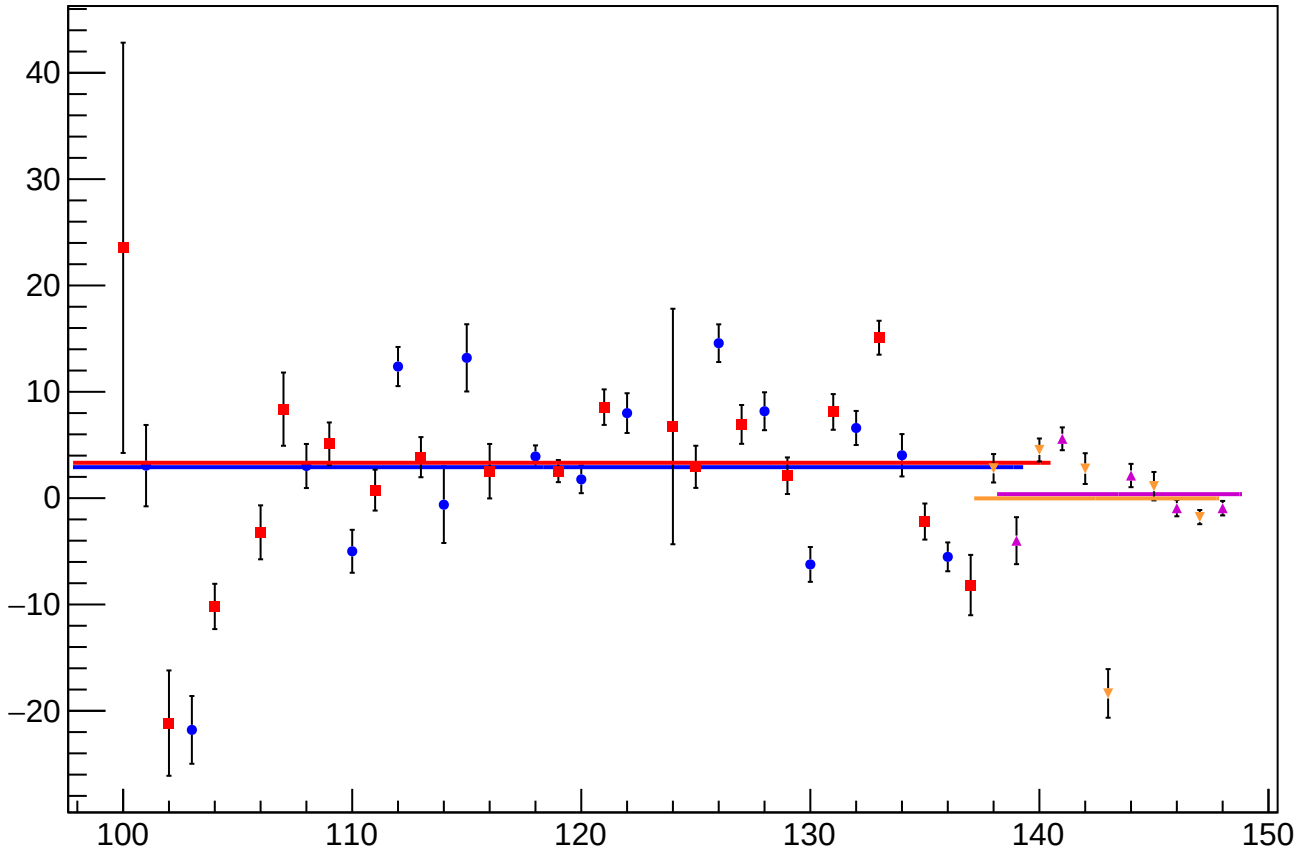
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

\+ sign 17.992+/-0.354 χ^2/NDF: 6079.9/21

All: 16.186+/-0.247 χ^2/NDF: 10875.8/45

\- sign 14.476+/-0.344 χ^2/NDF: 4745.0/23



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

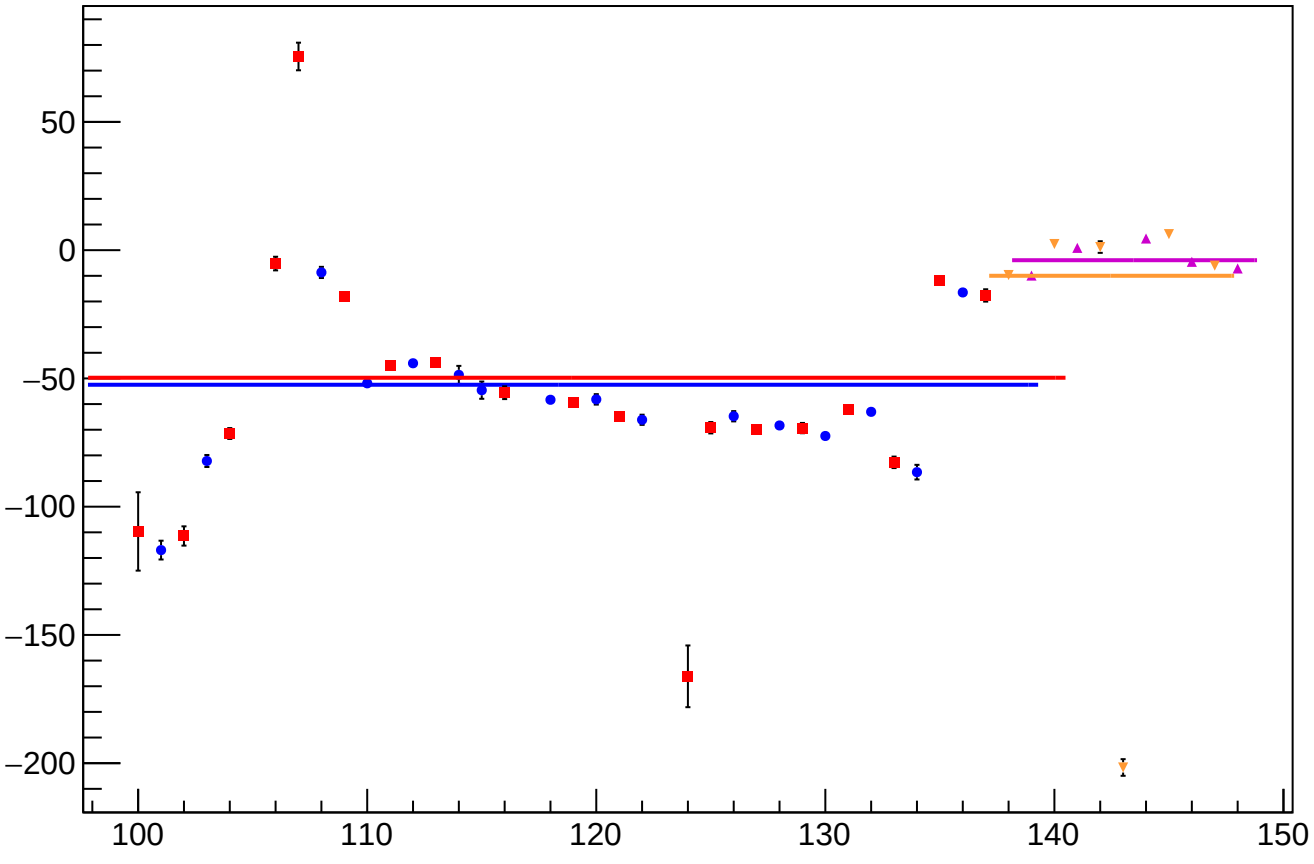
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

\+ sign 1.476+/-0.316 χ^2/NDF: 369.5/21

All: 1.604+/-0.220 χ^2/NDF: 611.3/45

\- sign 1.725+/-0.307 χ^2/NDF: 241.4/23



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

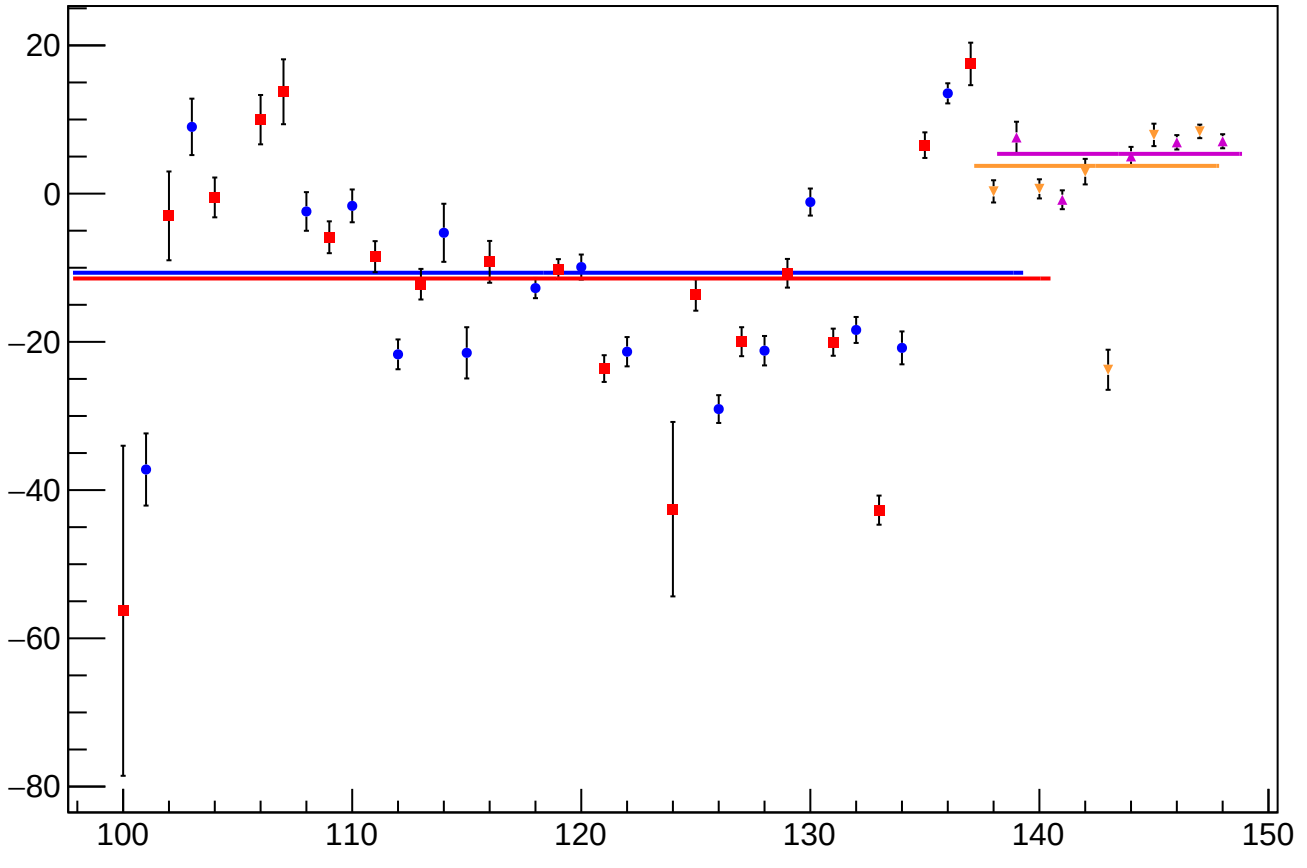
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

+ sign -37.031+/-0.389 χ^2/NDF: 8803.8/21

All: -34.403+/-0.274 χ^2/NDF: 15335.2/45

- sign -31.823+/-0.386 χ^2/NDF: 6441.1/23



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

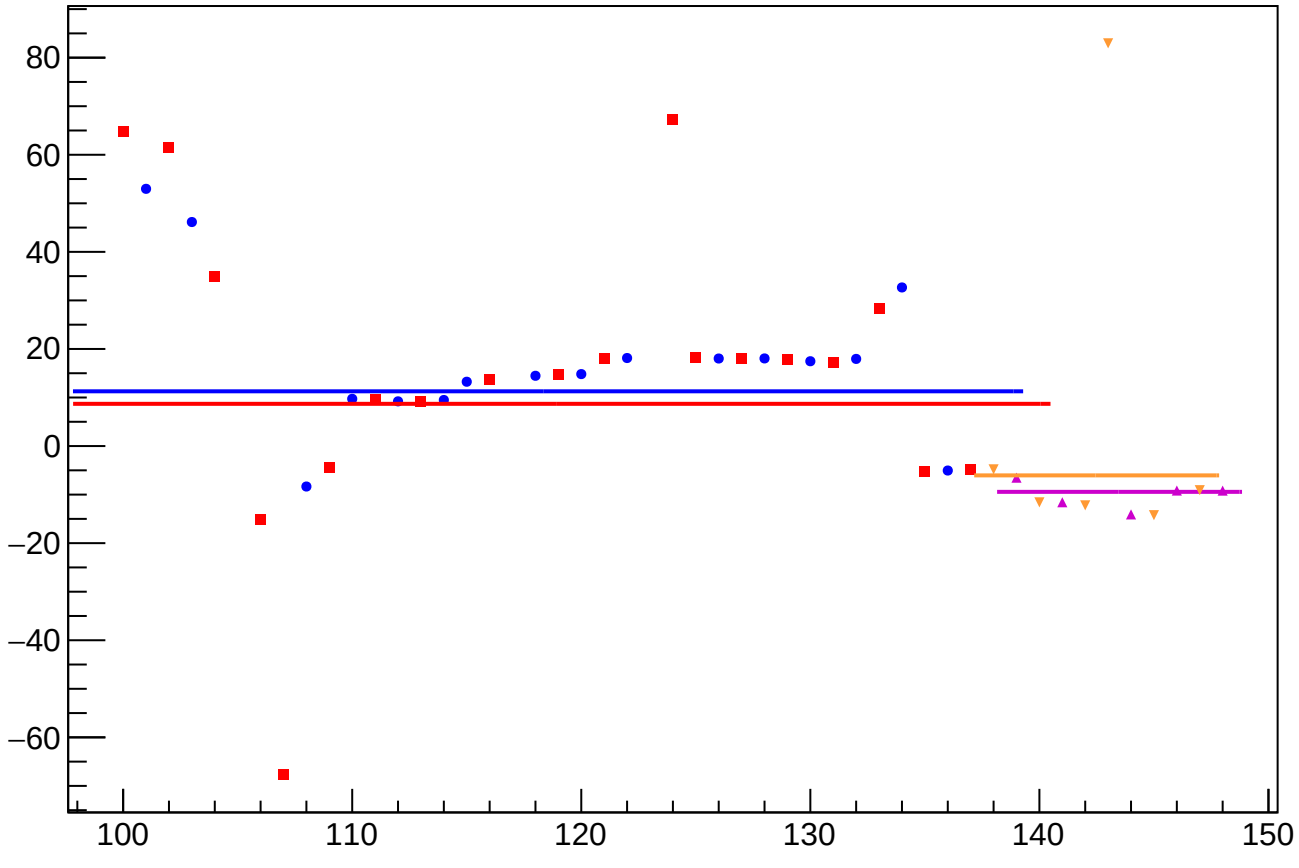
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

\+ sign -4.240+/-0.376 χ^2/NDF: 1177.8/21

All: -3.710+/-0.263 χ^2/NDF: 2398.9/45

\- sign -3.202+/-0.368 χ^2/NDF: 1217.2/23



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

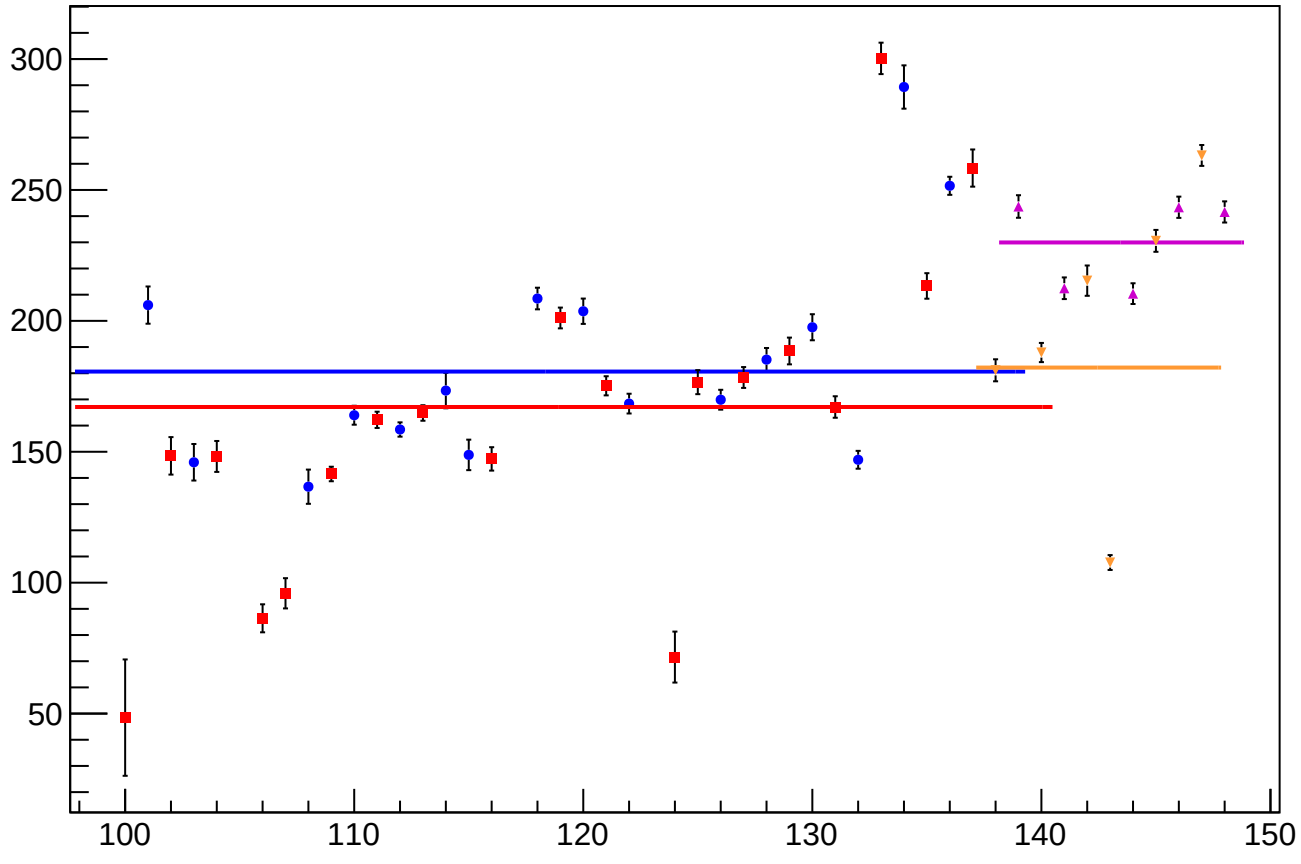
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

+ sign 1.699+/-0.020 χ^2/NDF: 1002525.9/21

All: -0.437+/-0.014 χ^2/NDF: 1675887.6/45

- sign -2.463+/-0.019 χ^2/NDF: 651142.7/23



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 182.163+/-1.572 χ^2/NDF:1268.6/5

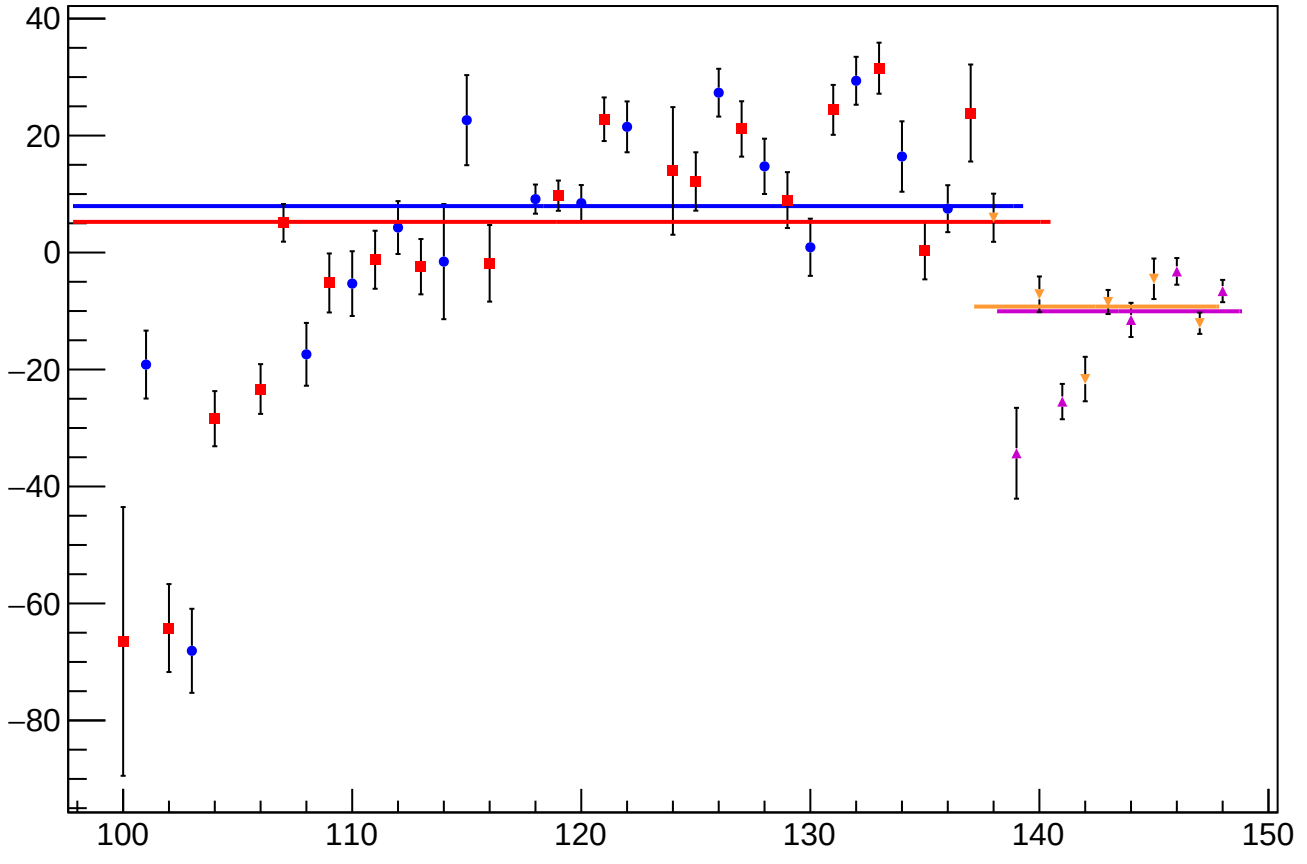
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

\+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45

\- sign 181.989+/-0.892 χ^2/NDF: 2454.1/23



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

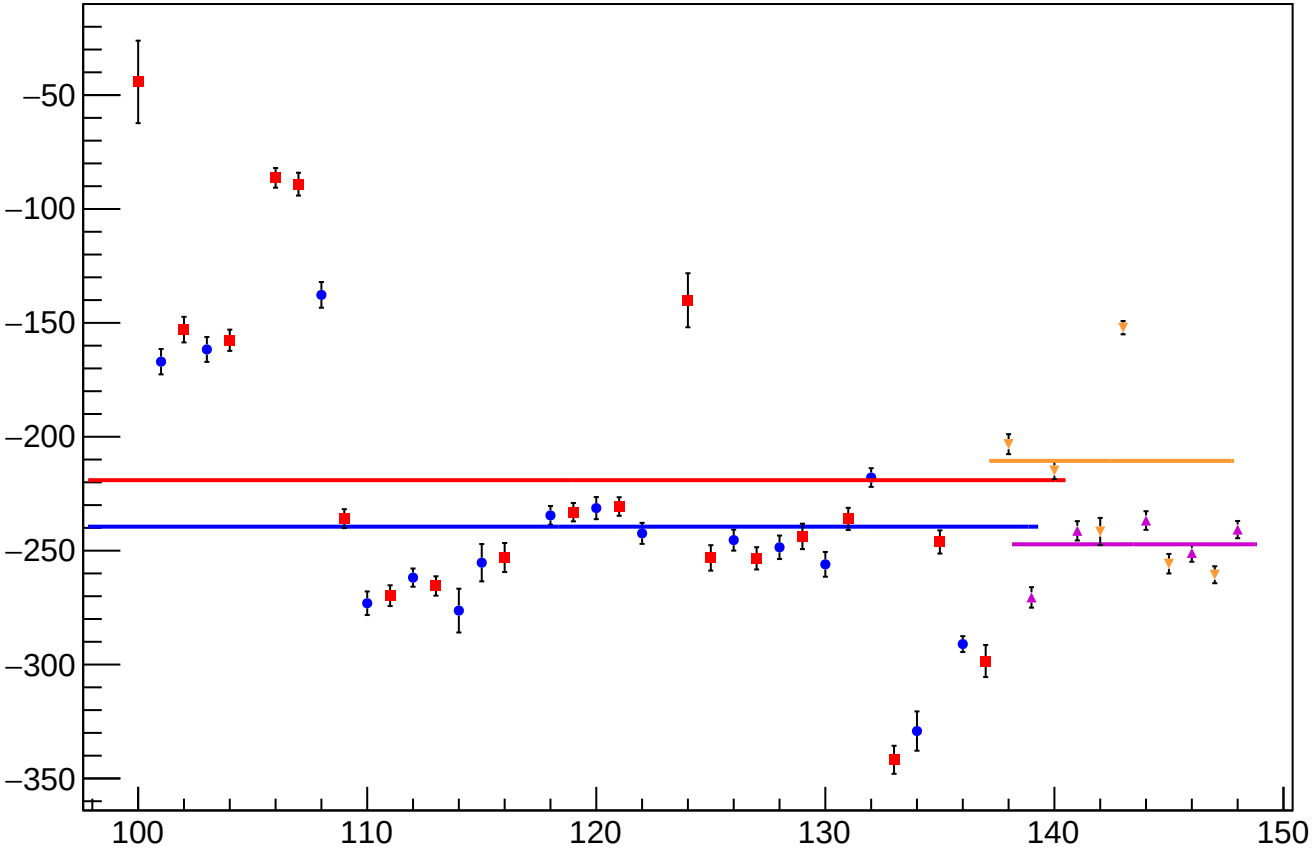
Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -1.216+/-0.554 χ^2/NDF: 828.4/45

- sign -1.561+/-0.791 χ^2/NDF: 443.5/23

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

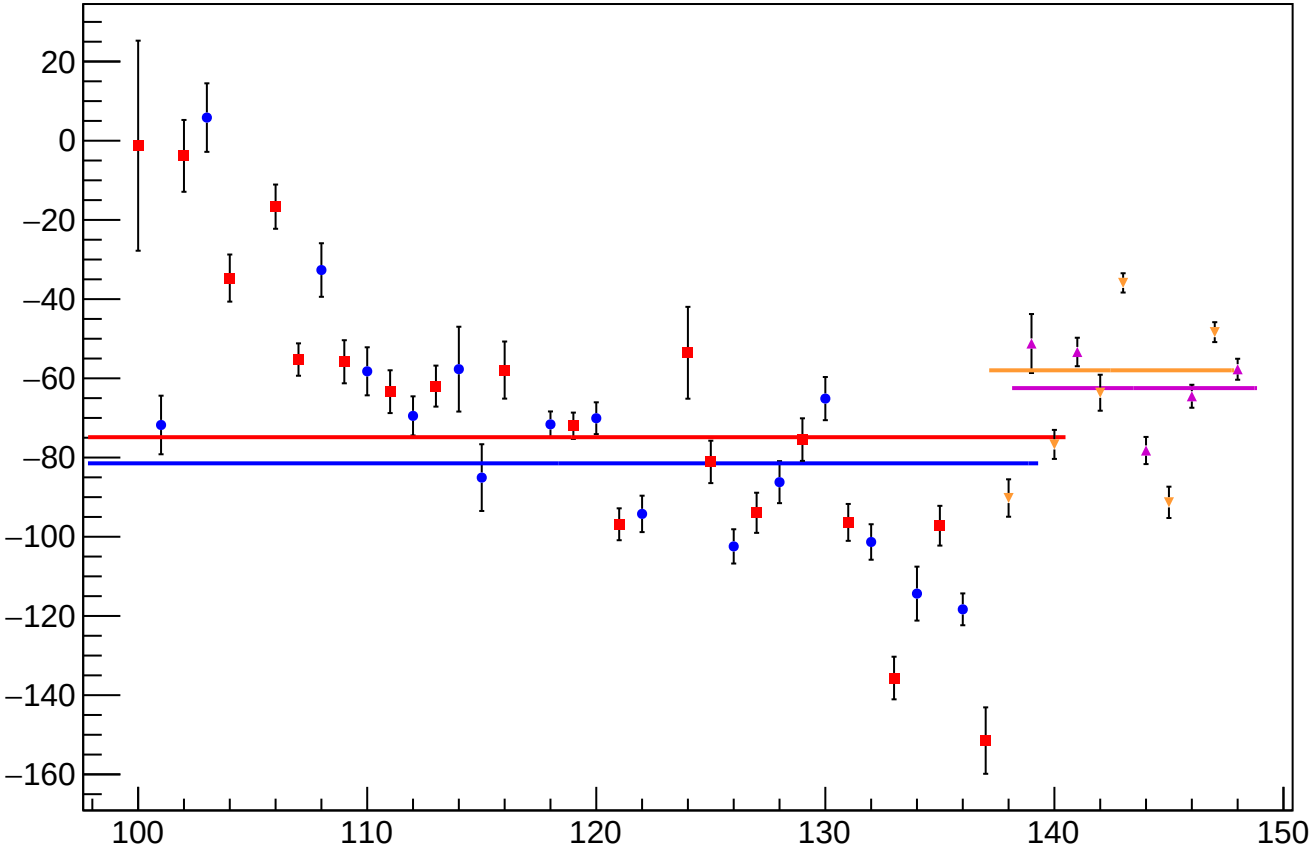
Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

+ sign -228.515+/-0.981 χ^2/NDF: 2088.7/21

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45

- sign -227.337+/-0.988 χ^2/NDF: 3257.1/23

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

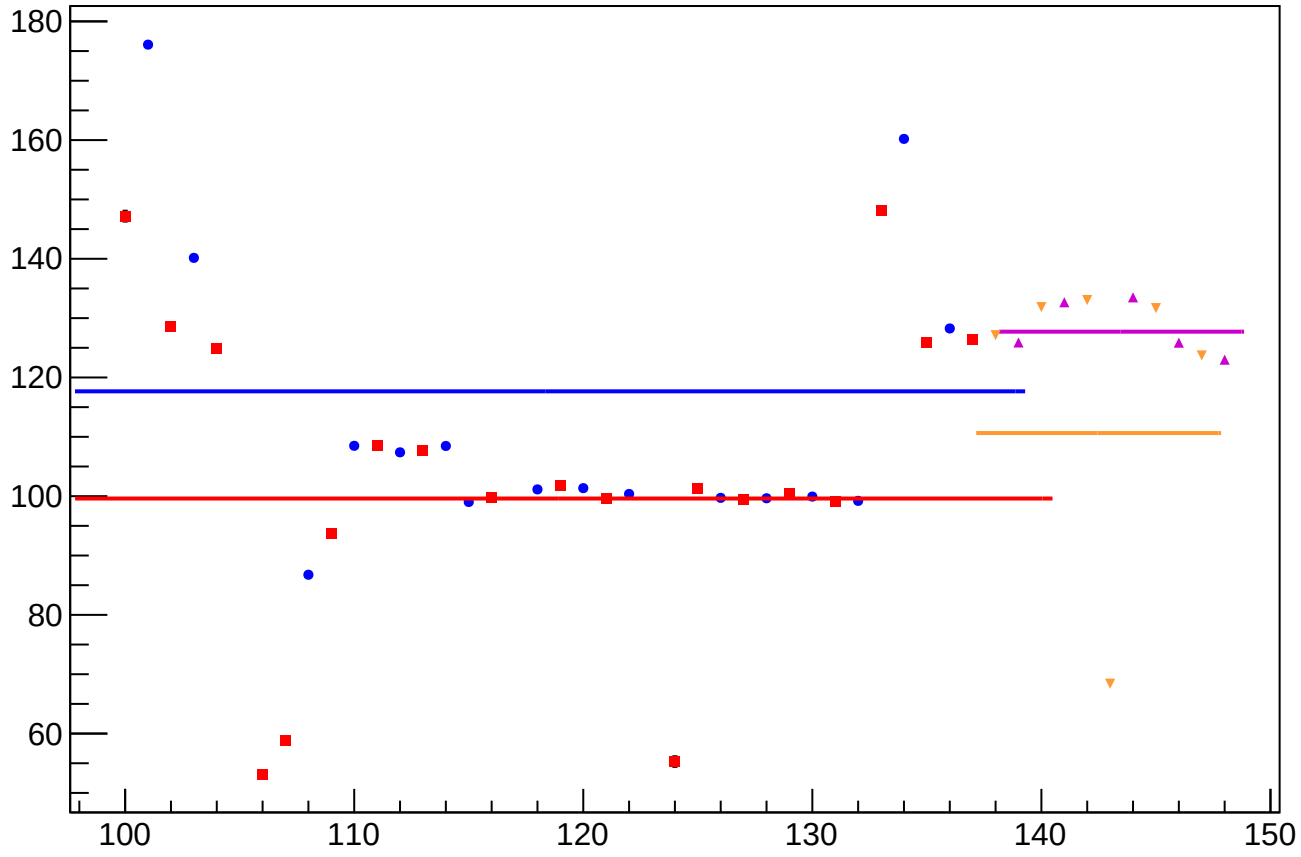
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45

- sign -69.897+/-0.952 χ^2/NDF: 650.9/23



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

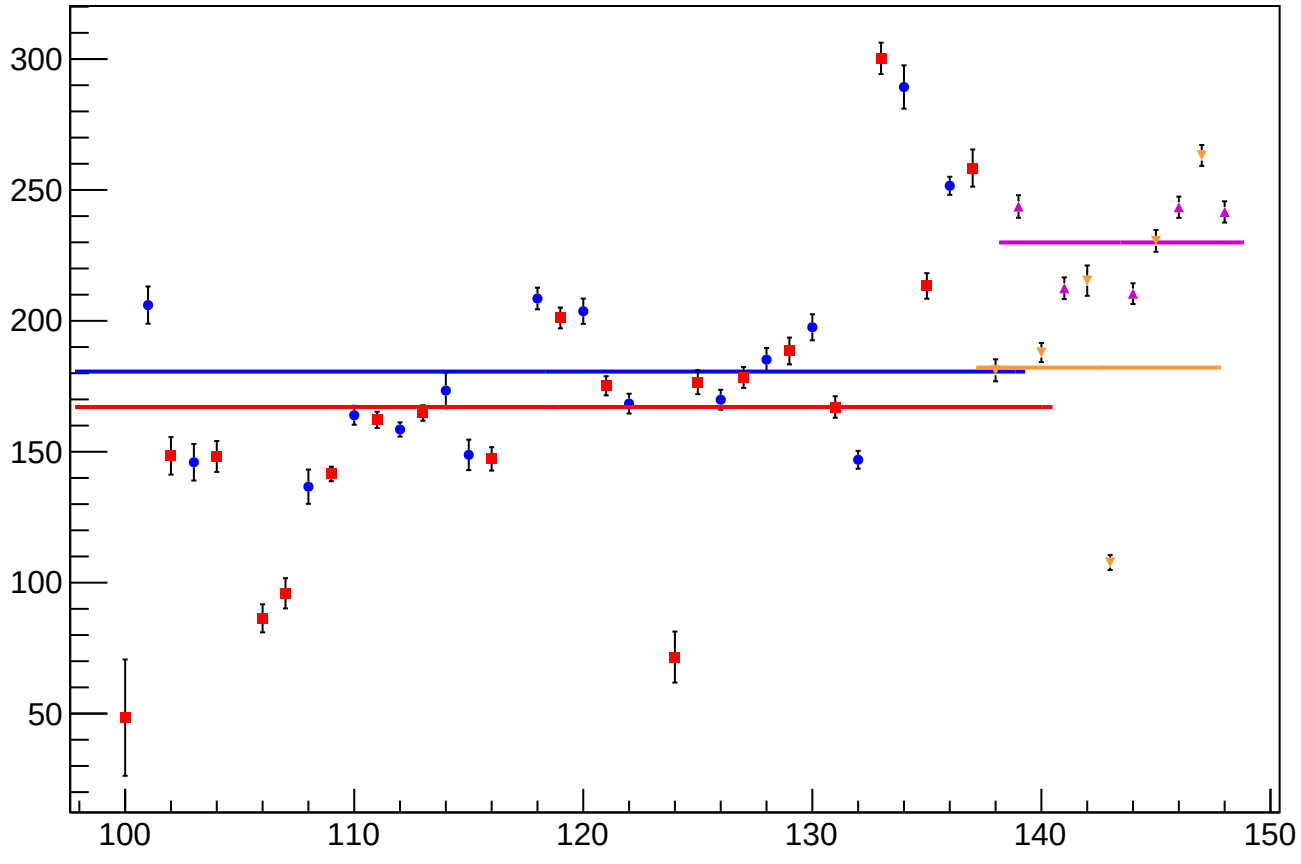
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45

- sign 112.852+/-0.051 χ^2/NDF: 244607.9/23



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 182.163+/-1.572 χ^2/NDF:1268.6/5

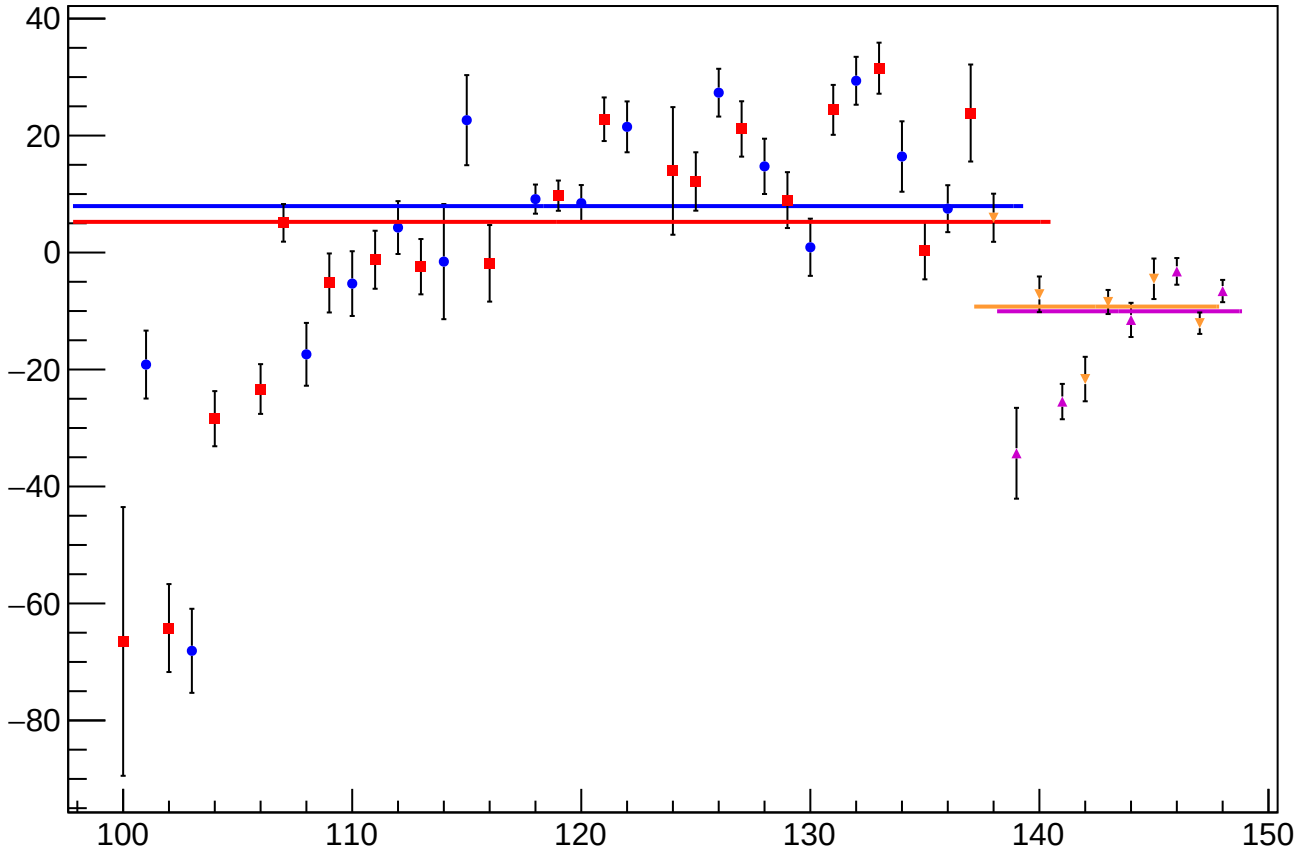
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

+ sign 181.130+/-0.896 χ^2/NDF: 2262.7/21

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45

- sign 181.989+/-0.892 χ^2/NDF: 2454.1/23



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

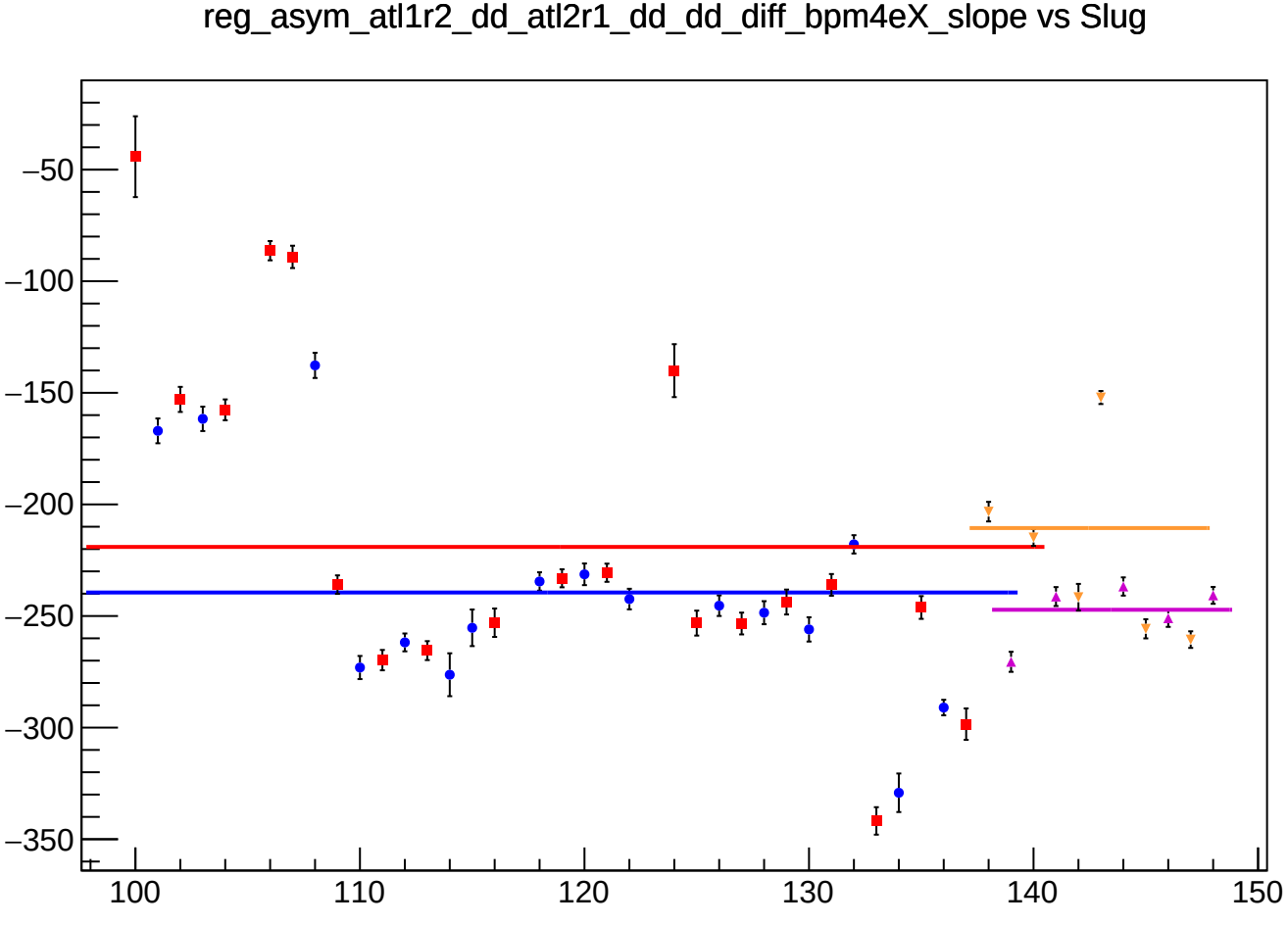
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

+ sign -0.885+/-0.776 χ^2/NDF: 384.4/21

All: -1.216+/-0.554 χ^2/NDF: 828.4/45

- sign -1.561+/-0.791 χ^2/NDF: 443.5/23



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

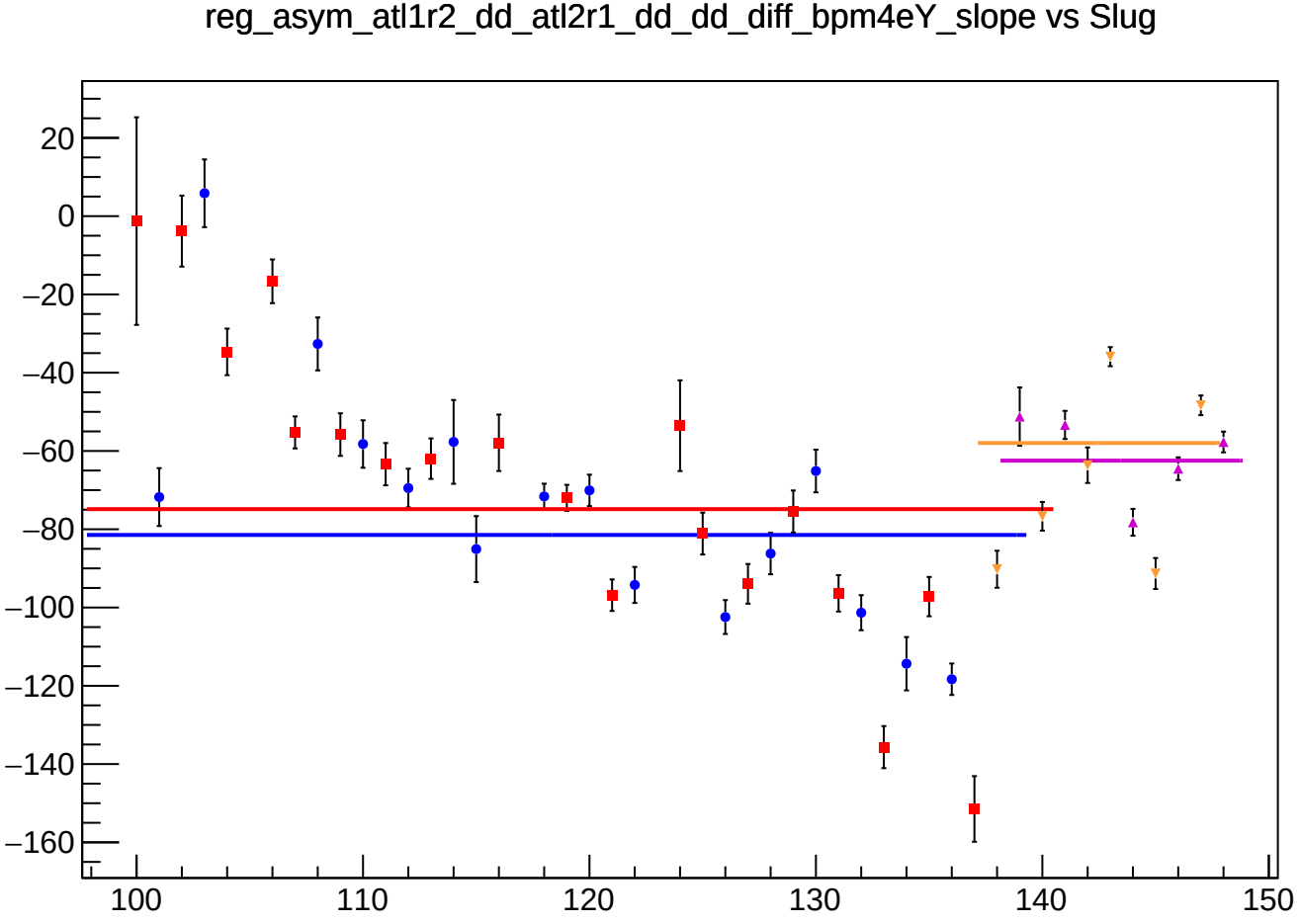
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

+ sign -228.515+/-0.981 χ^2/NDF: 2088.7/21

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45

- sign -227.337+/-0.988 χ^2/NDF: 3257.1/23



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

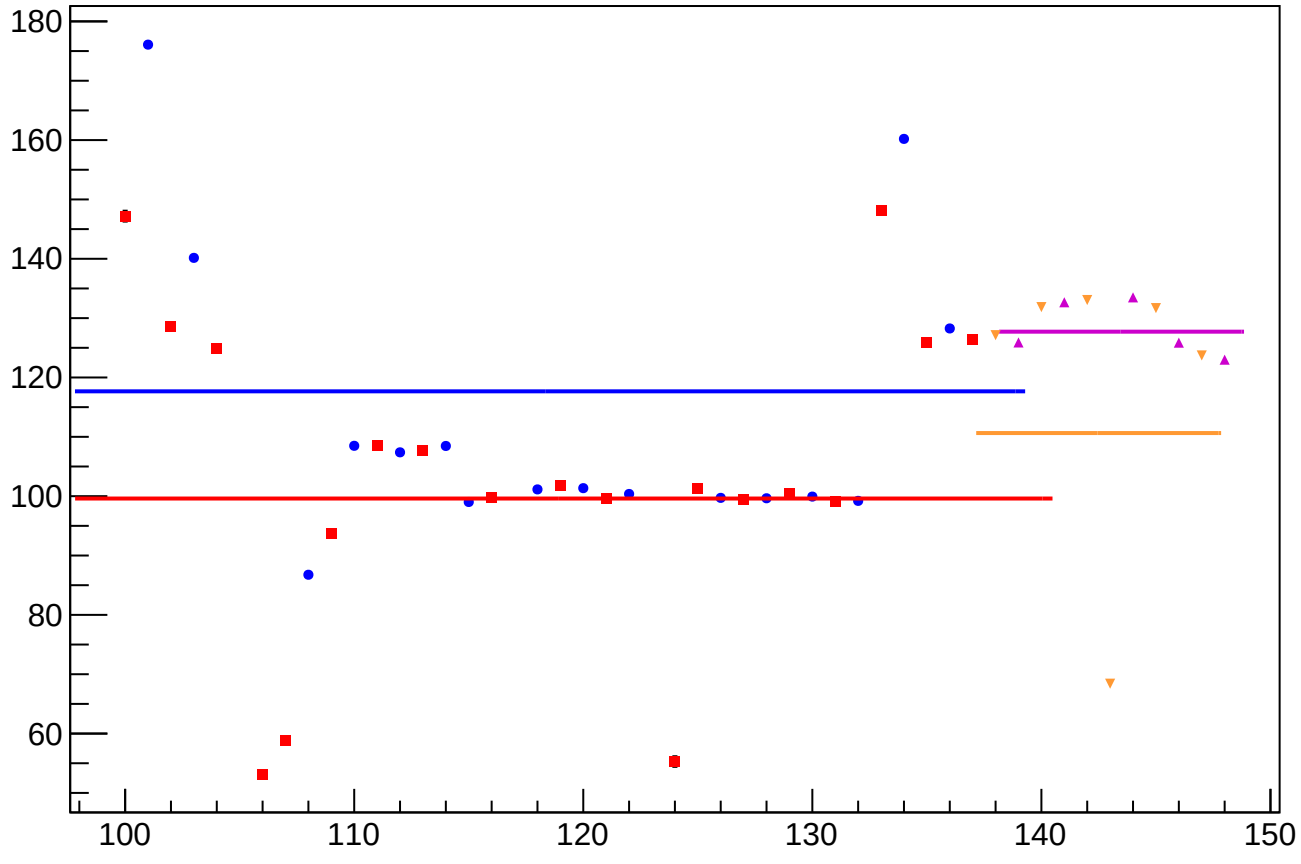
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

+ sign -70.178+/-0.928 χ^2/NDF: 768.6/21

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45

- sign -69.897+/-0.952 χ^2/NDF: 650.9/23



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

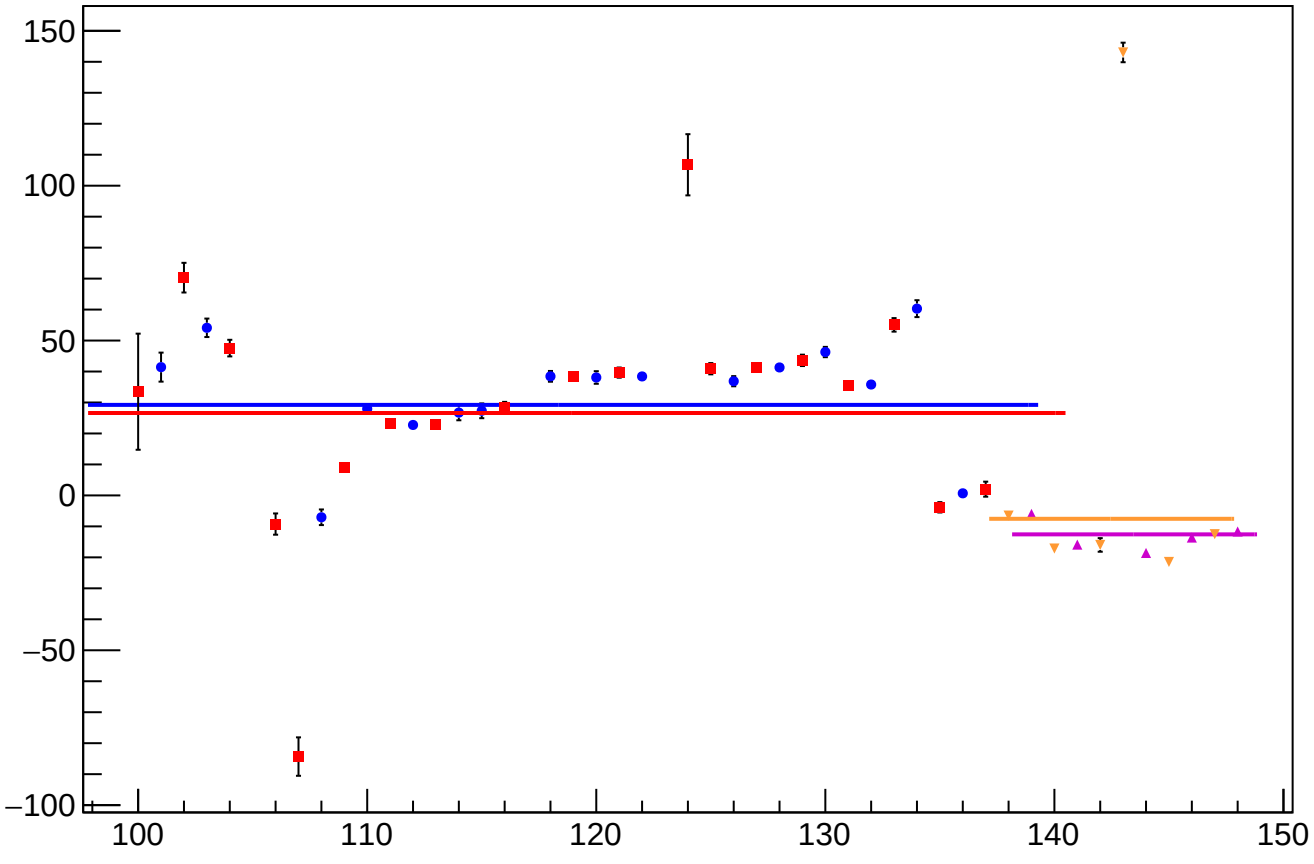
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 113.611+/-0.051 χ^2/NDF: 275190.0/21

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45

- sign 112.852+/-0.051 χ^2/NDF: 244607.9/23



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.551+/-0.640 χ^2/NDF:2441.1/5

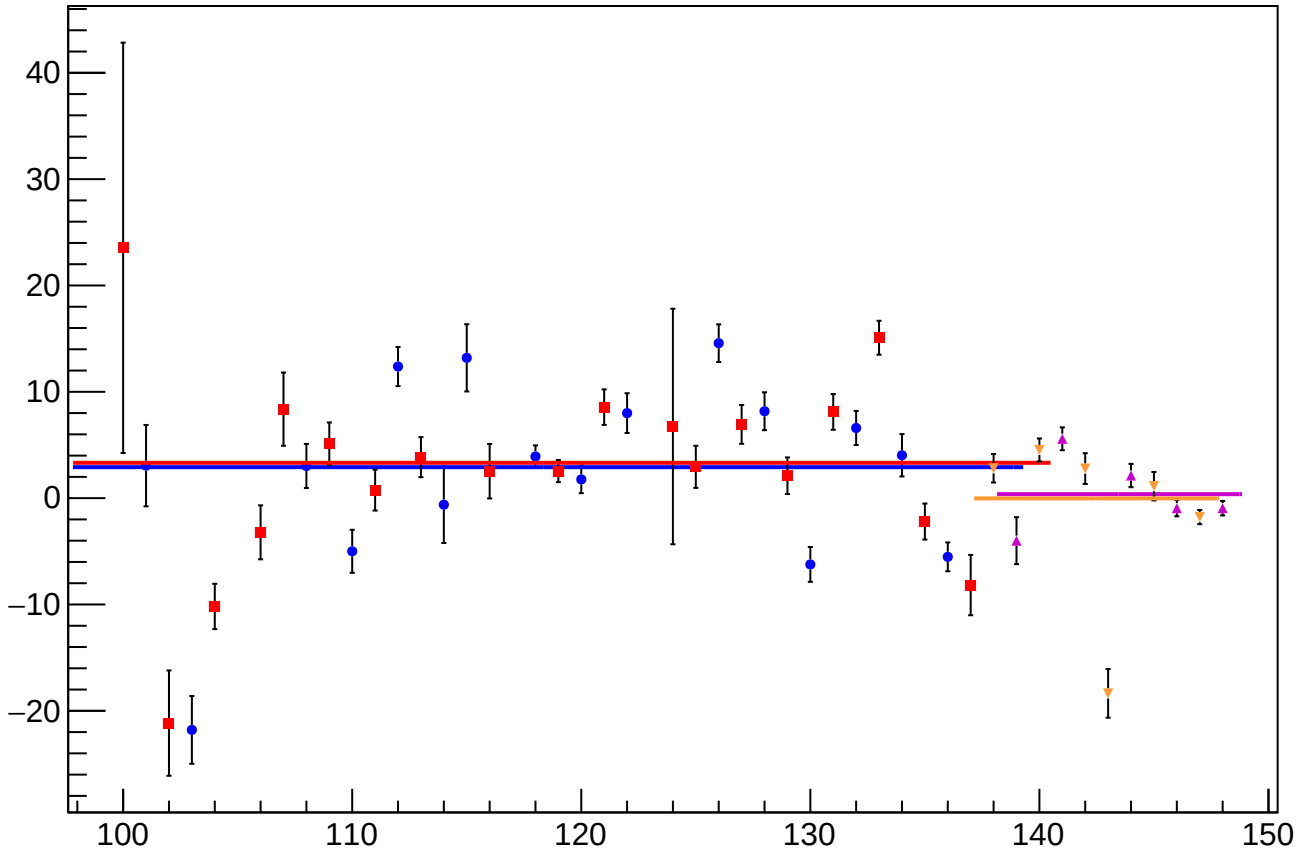
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

\+ sign 17.992+/-0.354 χ^2/NDF: 6079.9/21

All: 16.186+/-0.247 χ^2/NDF: 10875.8/45

\- sign 14.476+/-0.344 χ^2/NDF: 4745.0/23



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

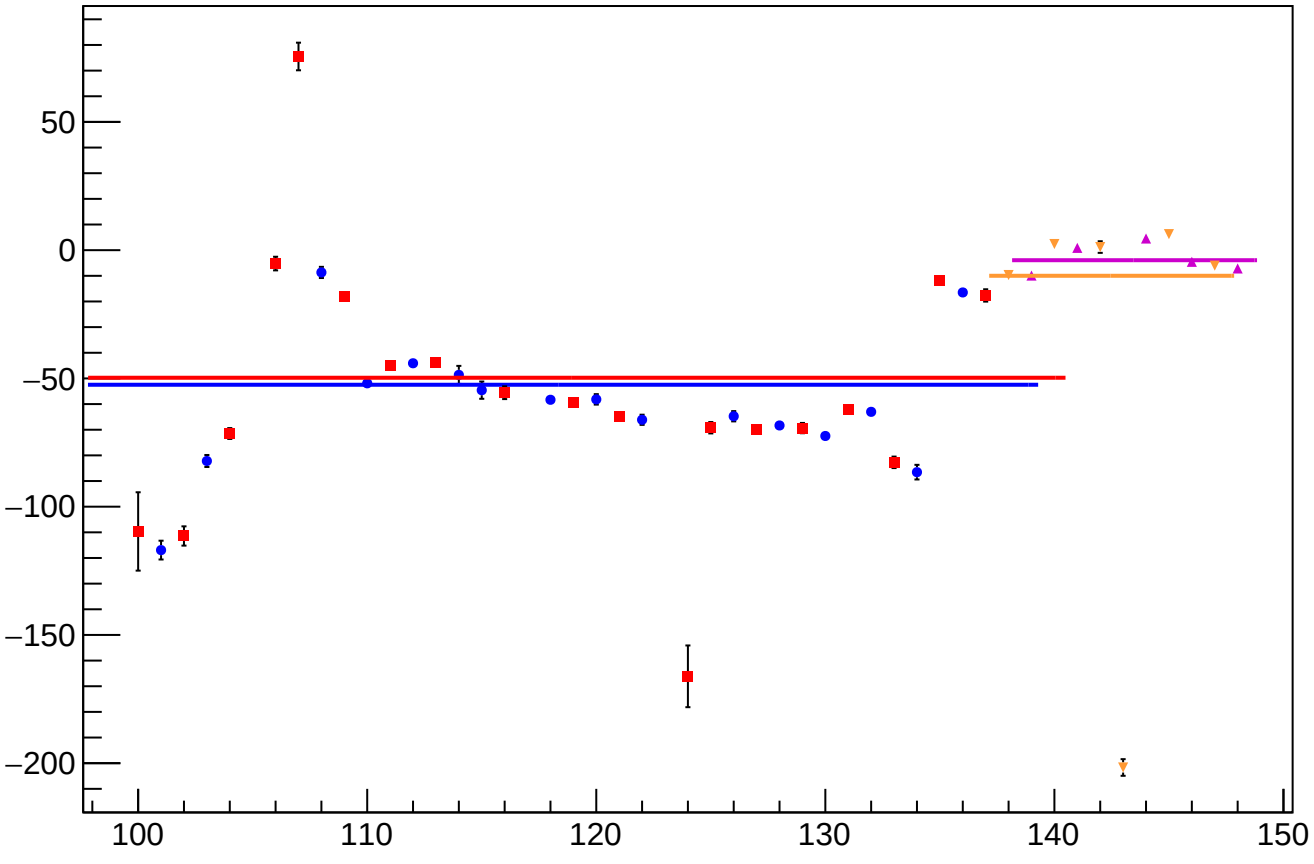
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

\+ sign 1.476+/-0.316 χ^2/NDF: 369.5/21

All: 1.604+/-0.220 χ^2/NDF: 611.3/45

\- sign 1.725+/-0.307 χ^2/NDF: 241.4/23



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

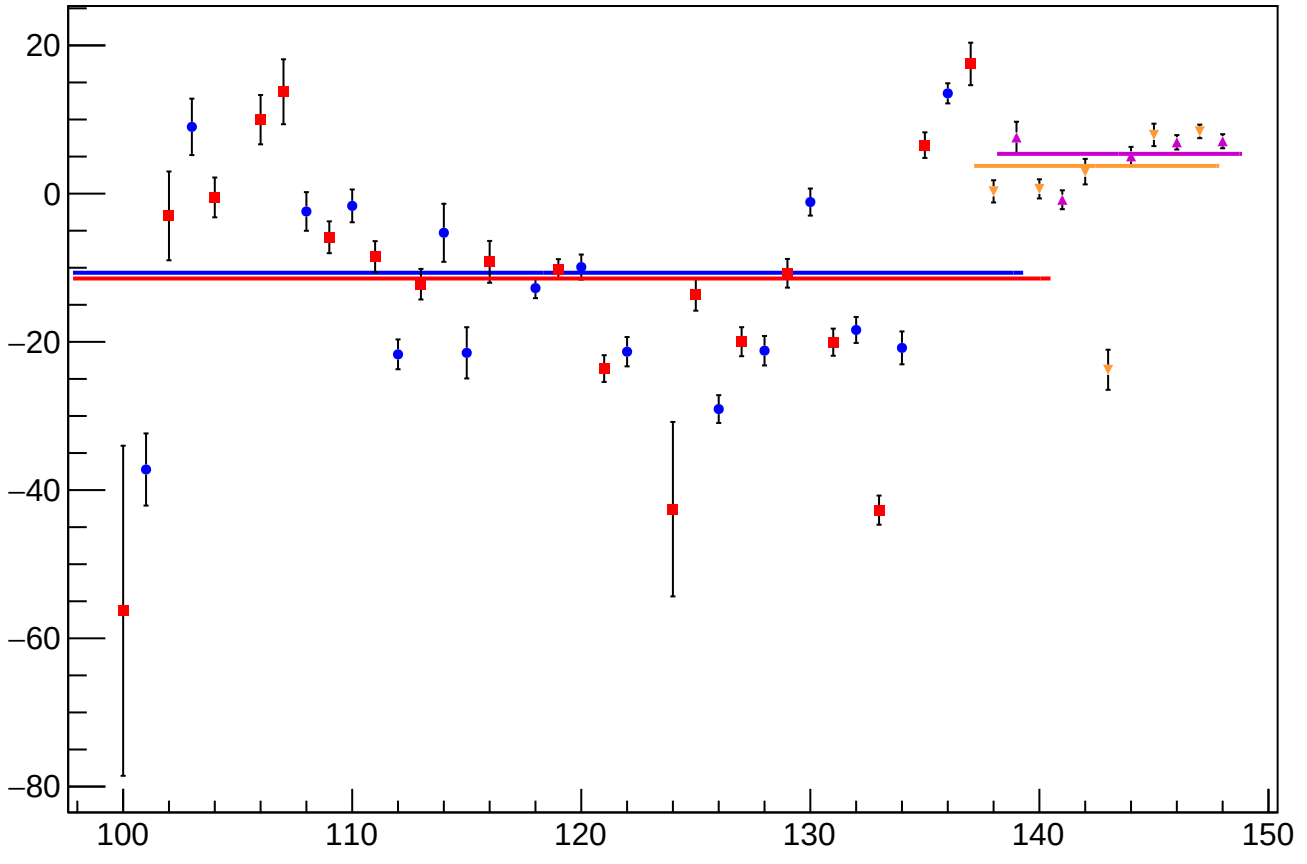
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

+ sign -37.031+/-0.389 χ^2/NDF: 8803.8/21

All: -34.403+/-0.274 χ^2/NDF: 15335.2/45

- sign -31.823+/-0.386 χ^2/NDF: 6441.1/23



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

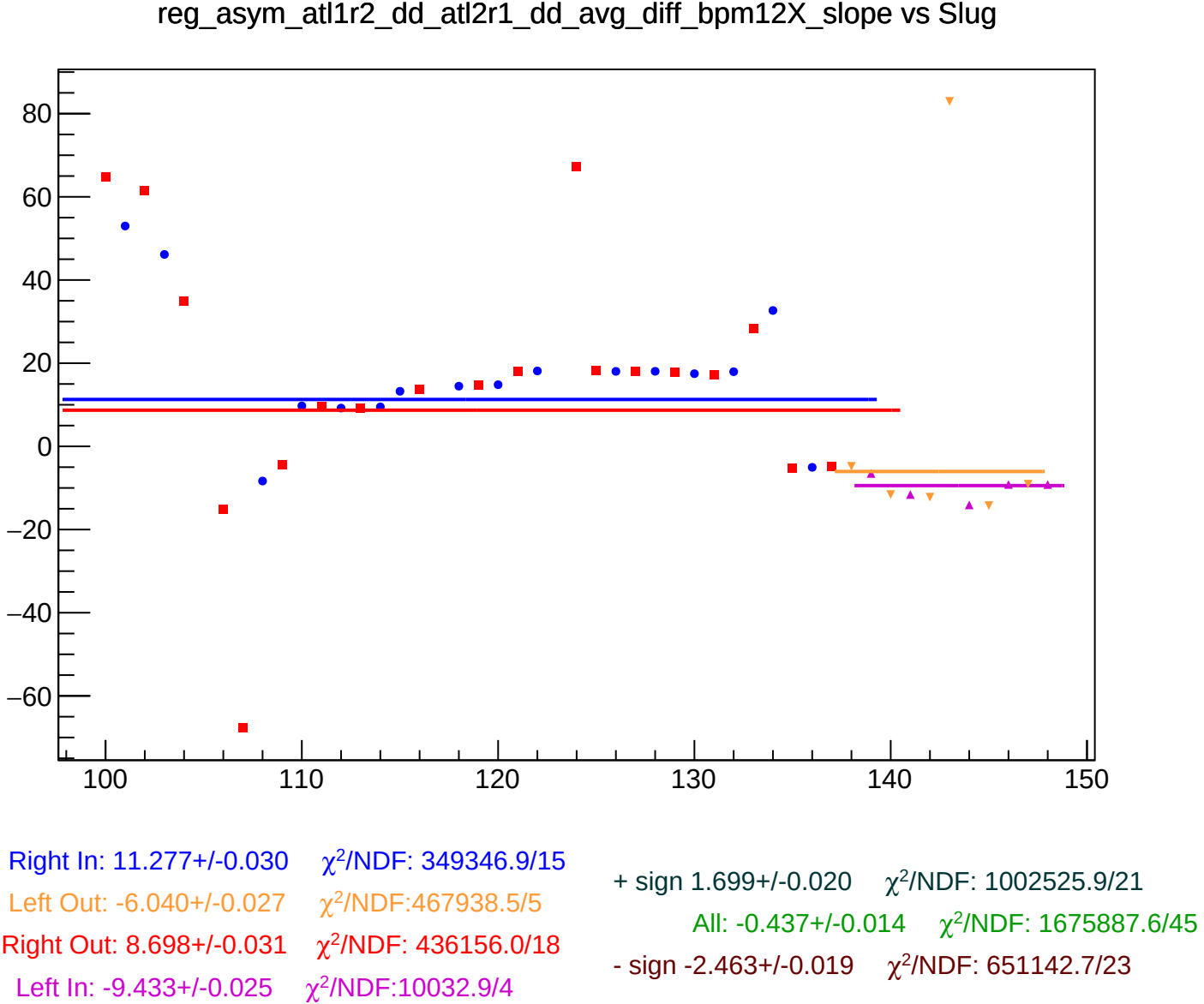
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

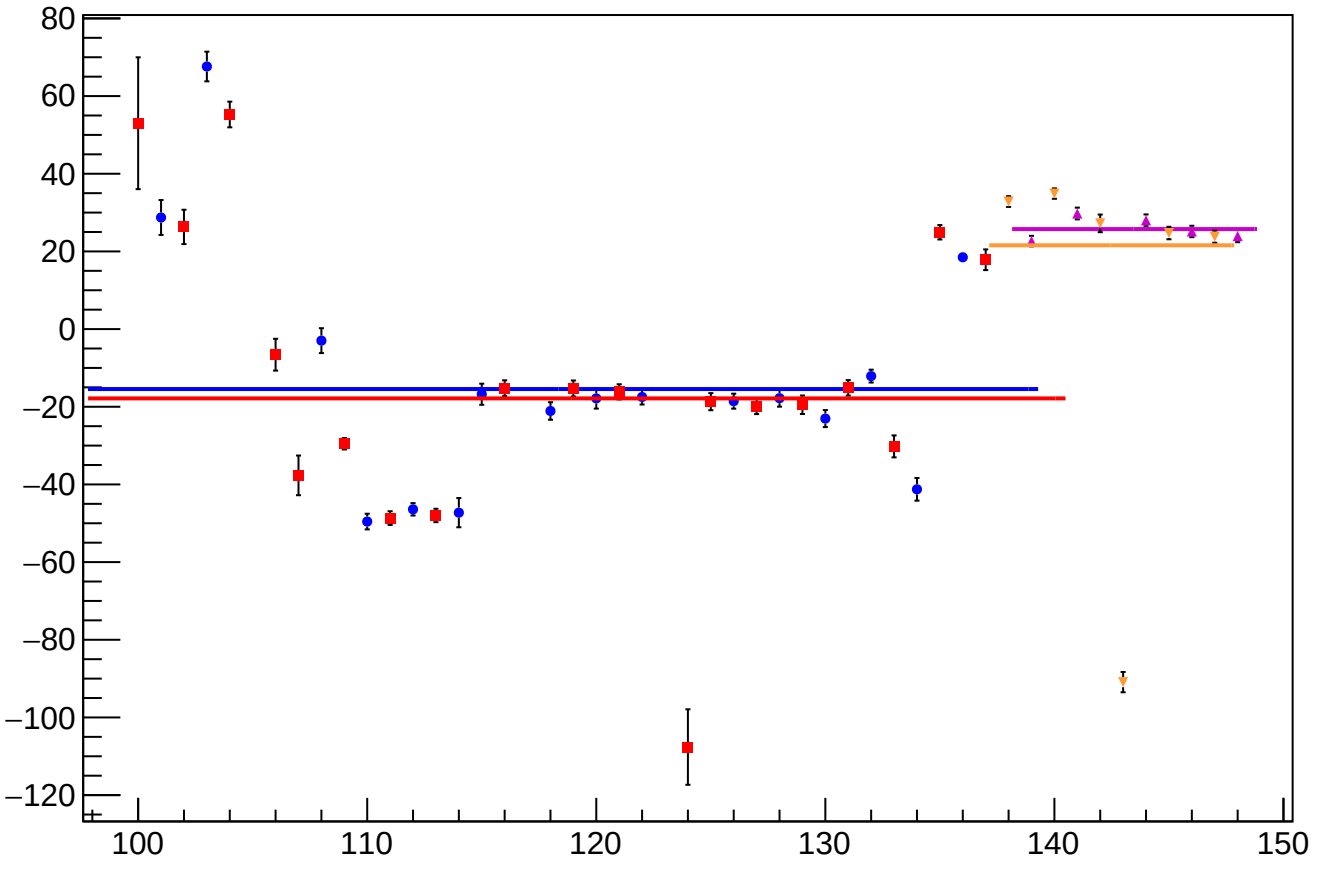
Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

\+ sign -4.240+/-0.376 χ^2/NDF: 1177.8/21

All: -3.710+/-0.263 χ^2/NDF: 2398.9/45

\- sign -3.202+/-0.368 χ^2/NDF: 1217.2/23


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -6.040+/-0.027 χ²/NDF:467938.5/5
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -9.433+/-0.025 χ²/NDF:10032.9/4
+ sign 1.699+/-0.020 χ²/NDF: 1002525.9/21
All: -0.437+/-0.014 χ²/NDF: 1675887.6/45
- sign -2.463+/-0.019 χ²/NDF: 651142.7/23



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.581+/-0.672 χ^2/NDF:2030.7/5

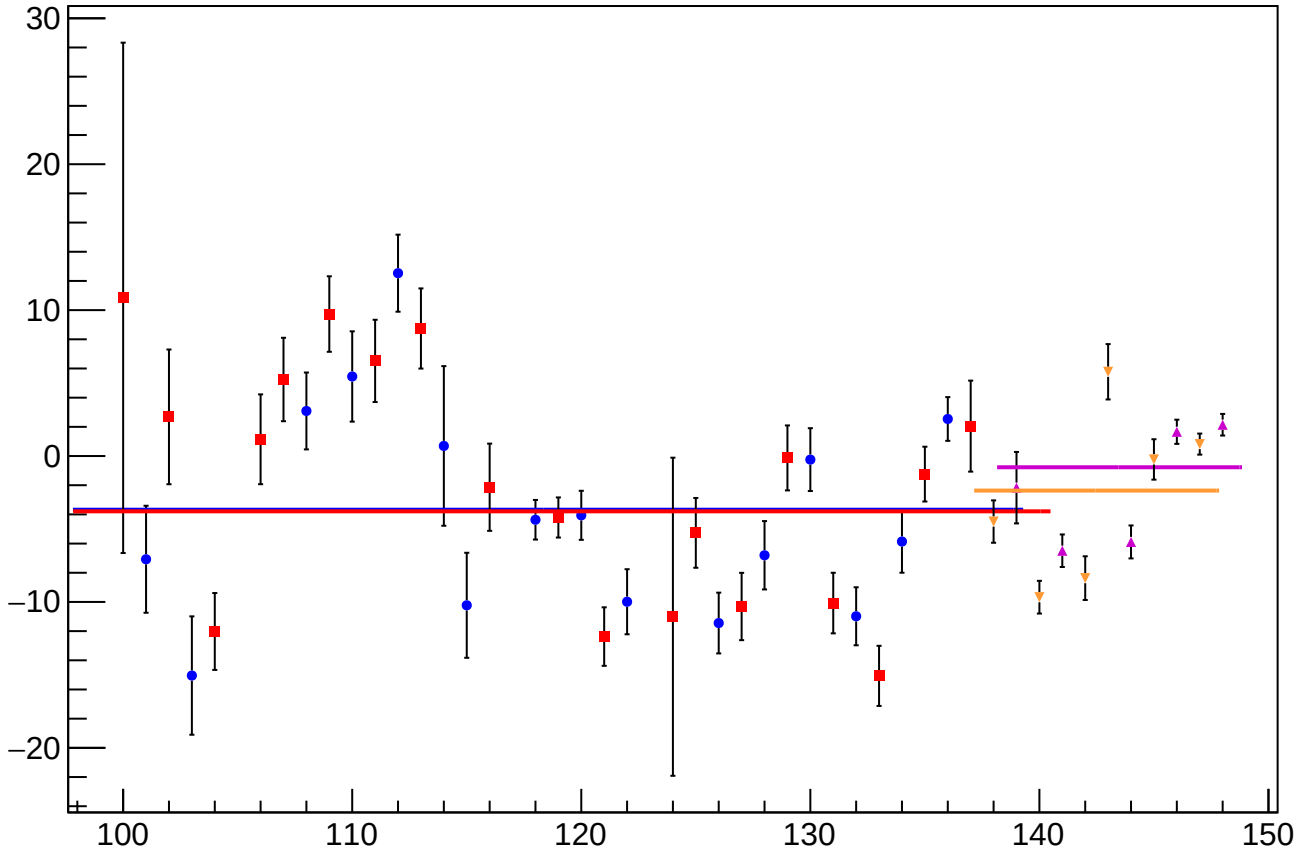
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

\+ sign -0.948+/-0.421 χ^2/NDF: 6001.0/21

All: -0.903+/-0.295 χ^2/NDF: 10782.7/45

\- sign -0.860+/-0.414 χ^2/NDF: 4781.6/23



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

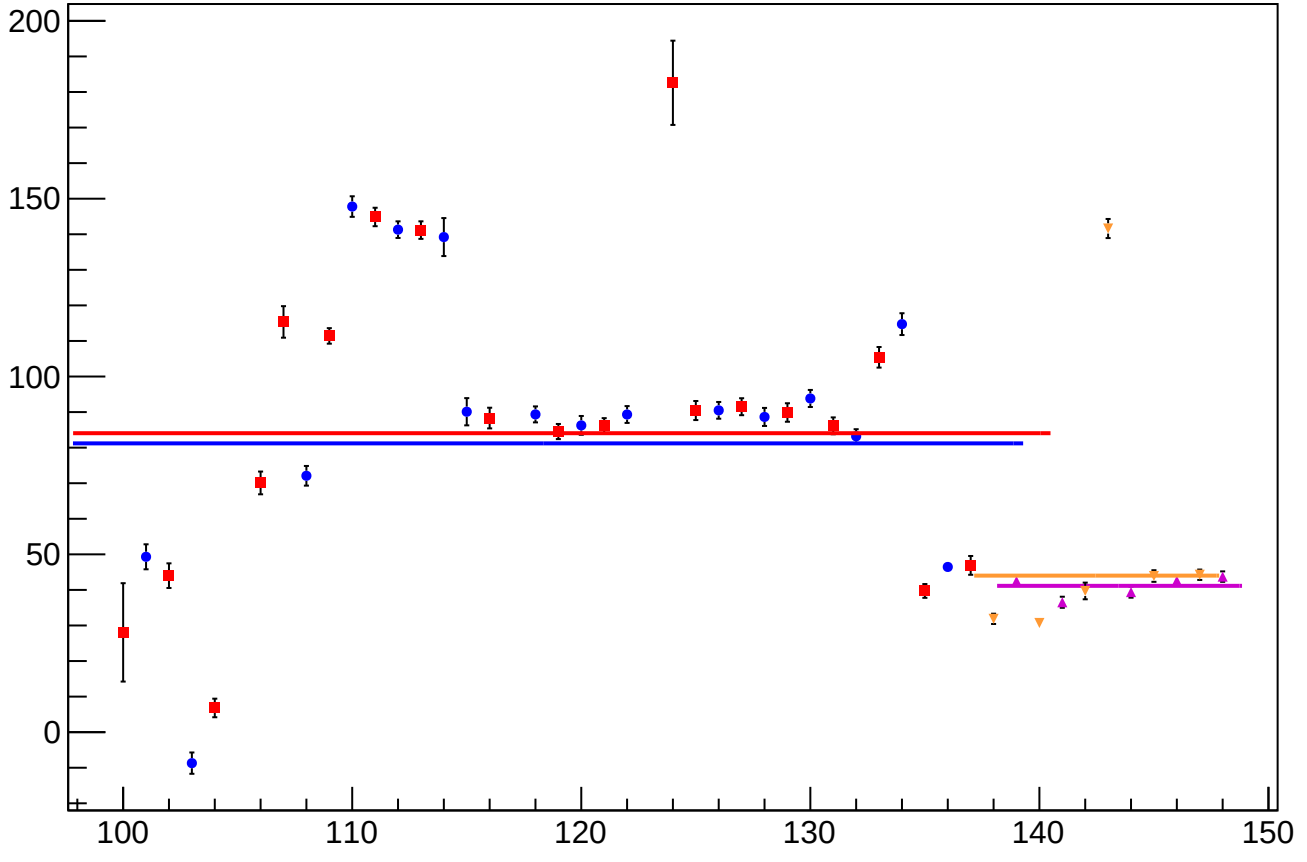
Left In: -0.770+/-0.446 χ^2/NDF:71.3/4

+ sign -2.926+/-0.360 χ^2/NDF: 228.2/21

All: -2.414+/-0.251 χ^2/NDF: 482.3/45

- sign -1.932+/-0.350 χ^2/NDF: 250.2/23

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

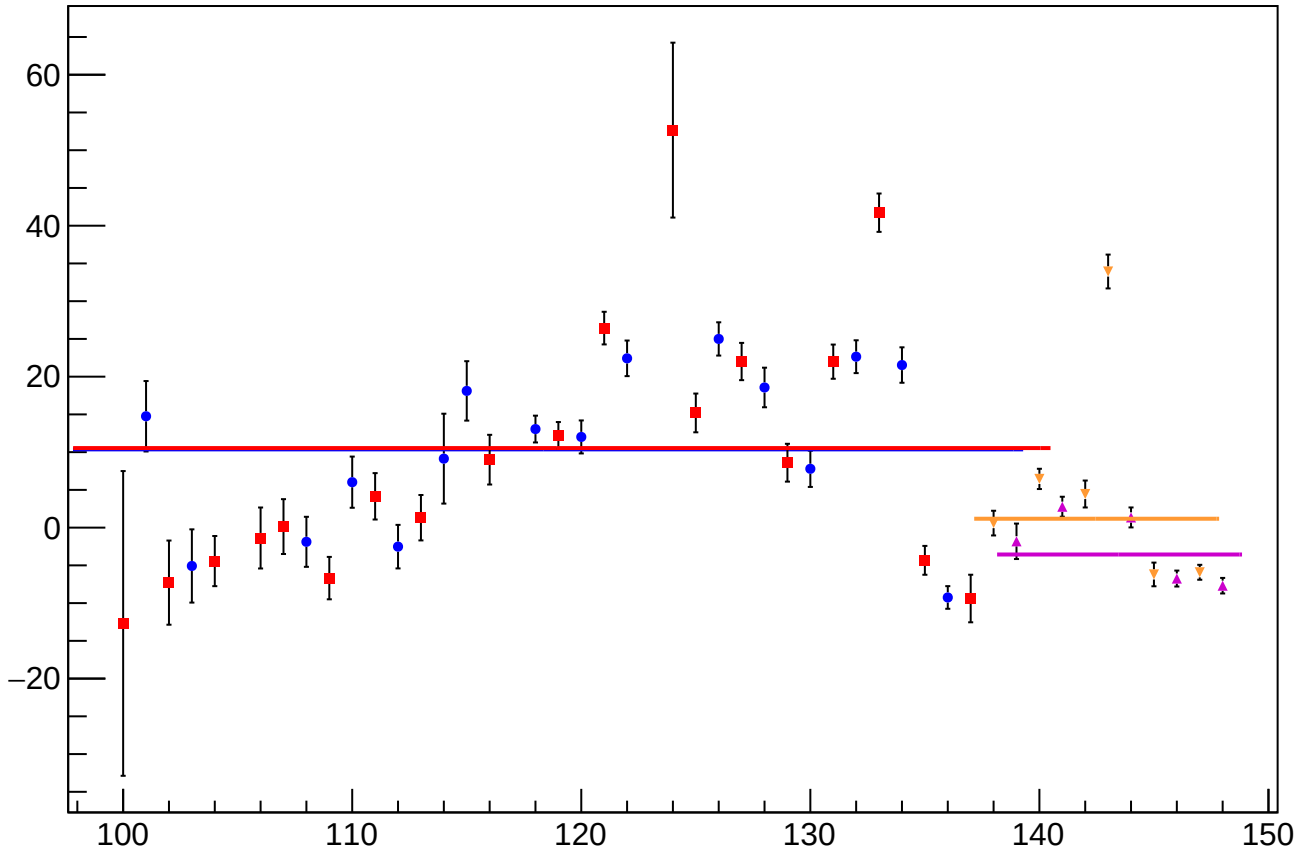
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

+ sign 64.688+/-0.453 χ^2/NDF: 6383.8/21

All: 64.405+/-0.319 χ^2/NDF: 11859.8/45

- sign 64.124+/-0.451 χ^2/NDF: 5475.2/23



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.178+/-0.590 χ^2/NDF:306.2/5

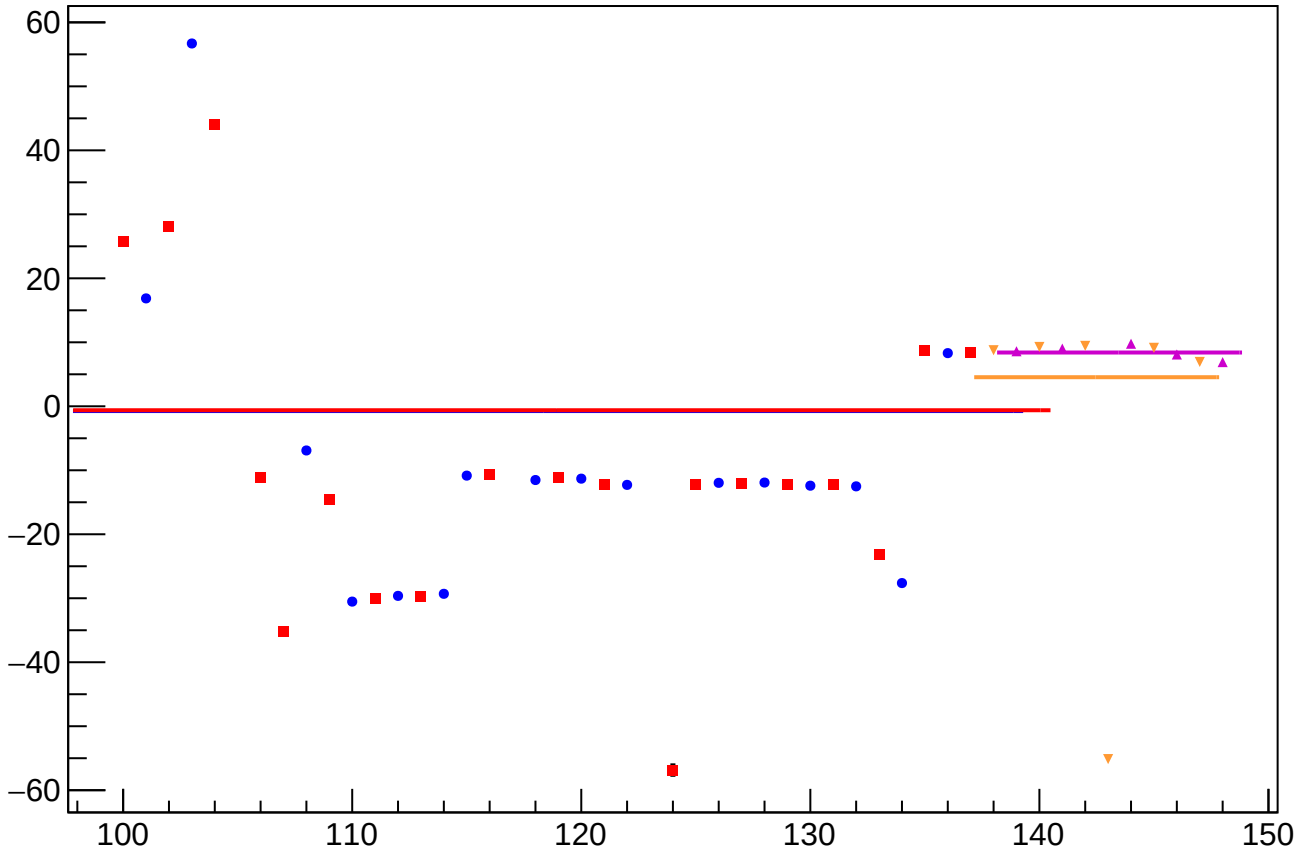
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

\+ sign 5.497+/-0.430 χ^2/NDF: 780.0/21

All: 4.013+/-0.301 χ^2/NDF: 1610.5/45

\- sign 2.578+/-0.422 χ^2/NDF: 807.1/23



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

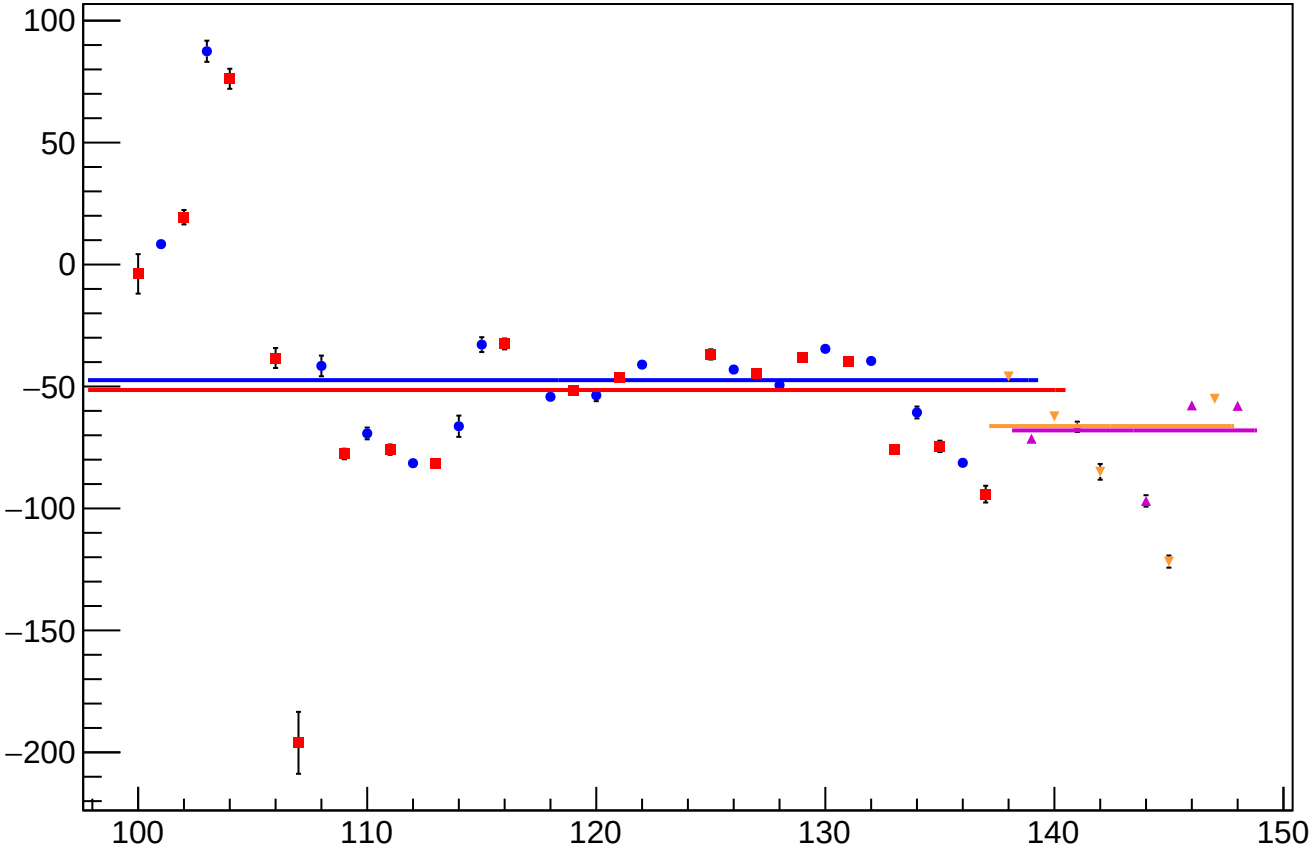
Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

+ sign 2.512+/-0.022 χ^2/NDF: 687113.1/21

All: 3.961+/-0.016 χ^2/NDF: 1051668.7/45

- sign 5.345+/-0.022 χ^2/NDF: 356252.4/23

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

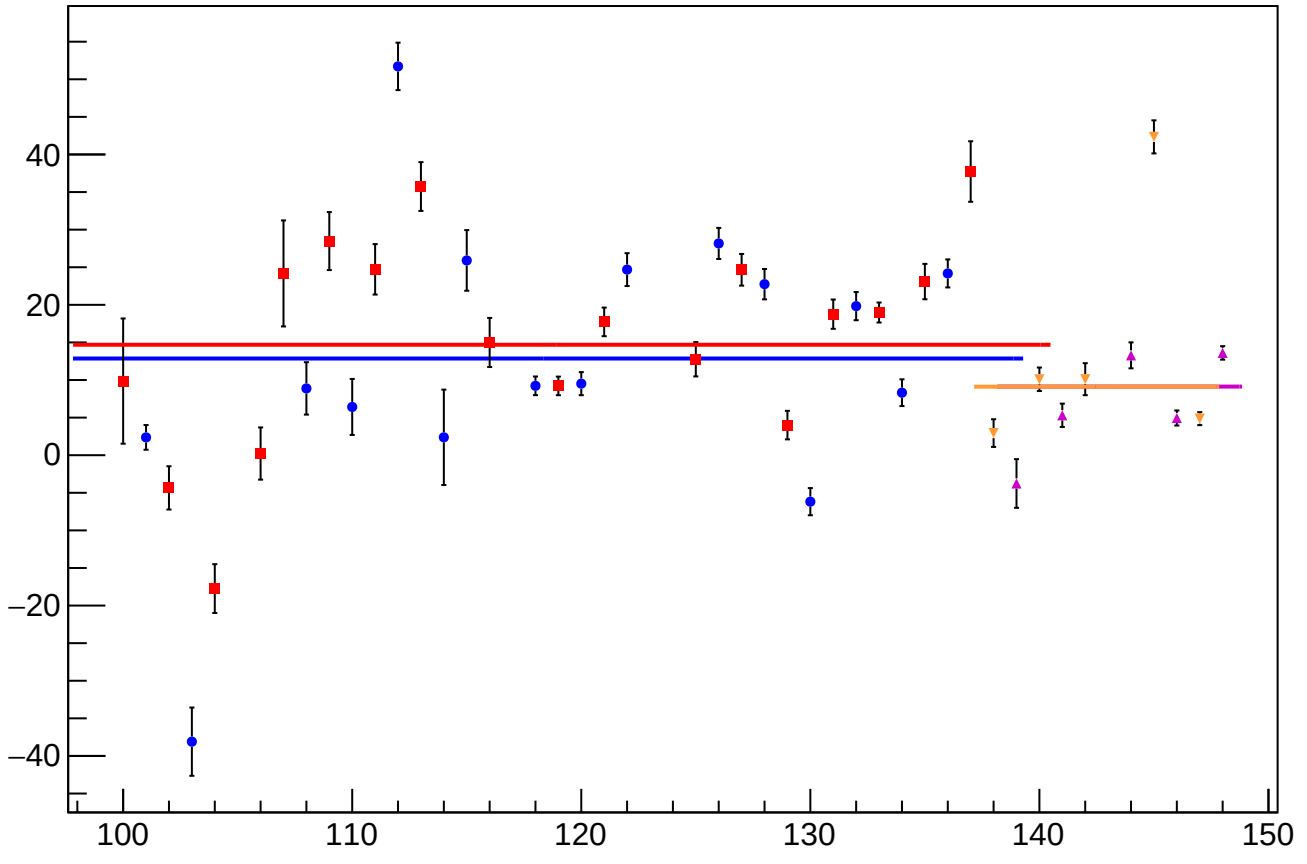
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -68.004+/-0.877 χ^2/NDF:217.2/4

+ sign -52.037+/-0.465 χ^2/NDF: 3775.1/20

All: -54.052+/-0.328 χ^2/NDF: 7159.5/43

- sign -56.055+/-0.463 χ^2/NDF: 3346.9/22



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 9.111+/-0.637 χ^2/NDF:264.2/4

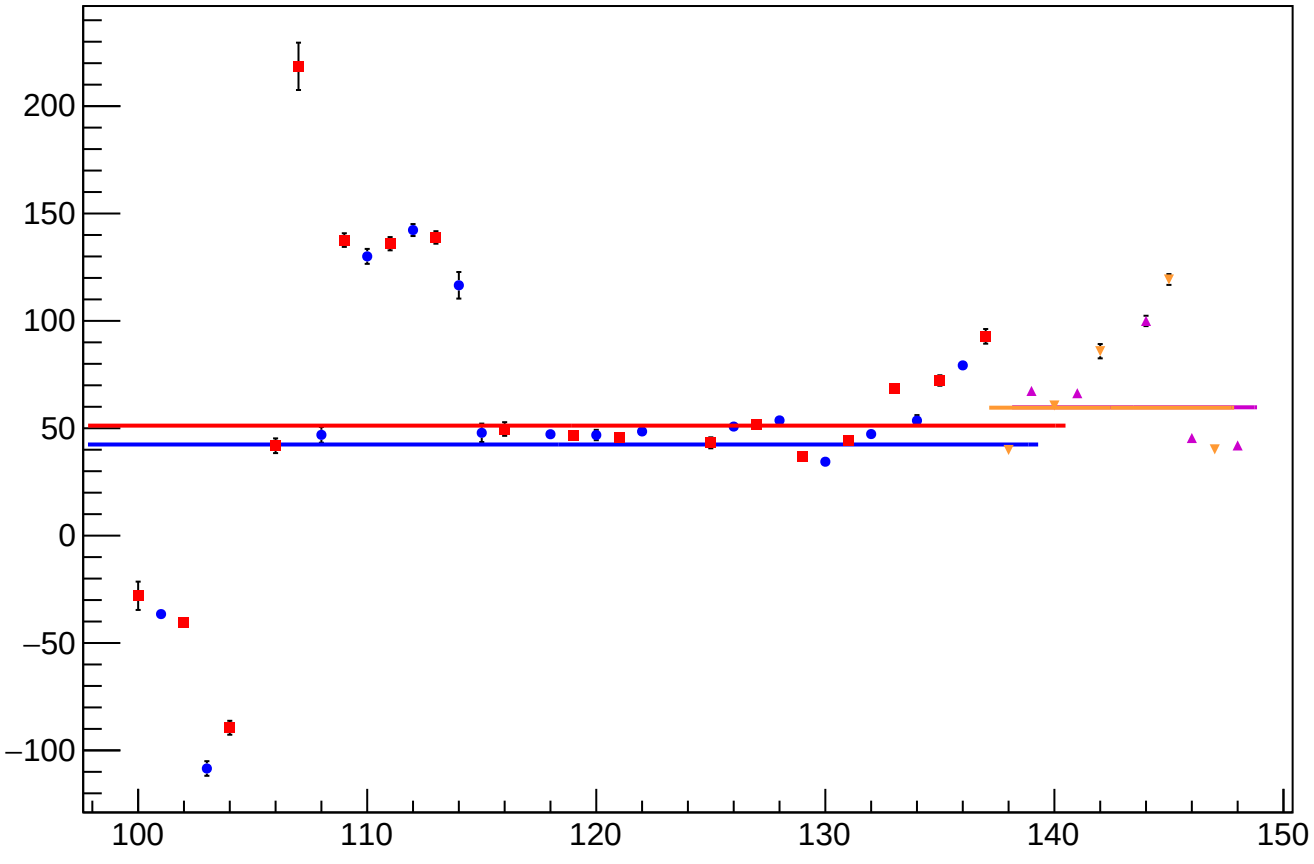
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 9.128+/-0.569 χ^2/NDF:70.0/4

+ sign 11.364+/-0.402 χ^2/NDF: 910.5/20

All: 11.707+/-0.281 χ^2/NDF: 1395.9/43

- sign 12.035+/-0.393 χ^2/NDF: 484.0/22



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 59.581+/-0.939 χ^2/NDF:860.2/4

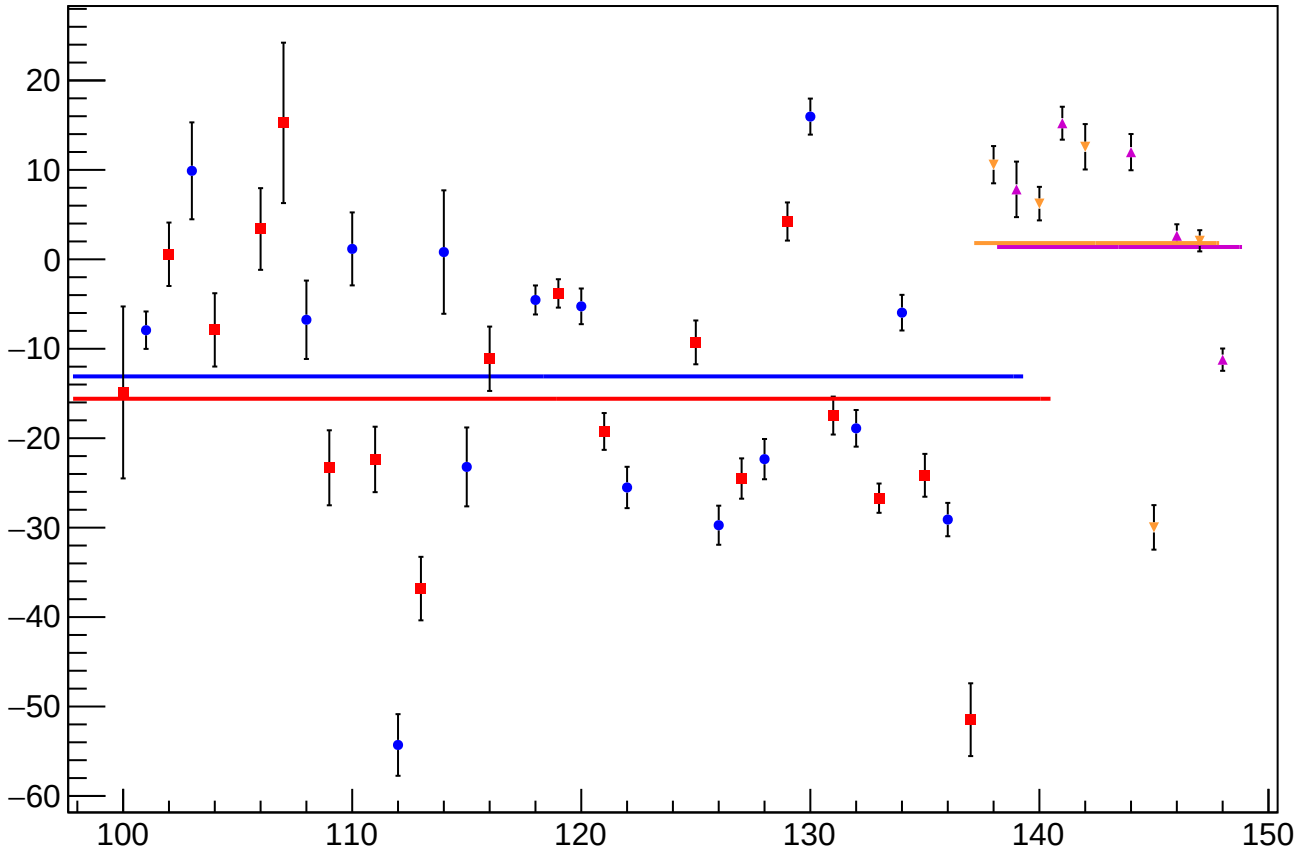
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 59.761+/-0.870 χ^2/NDF:472.6/4

\+ sign 47.221+/-0.496 χ^2/NDF: 8269.4/20

All: 50.603+/-0.353 χ^2/NDF: 15511.5/43

\- sign 54.067+/-0.502 χ^2/NDF: 7148.1/22



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.817+/-0.805 χ^2/NDF:204.3/4

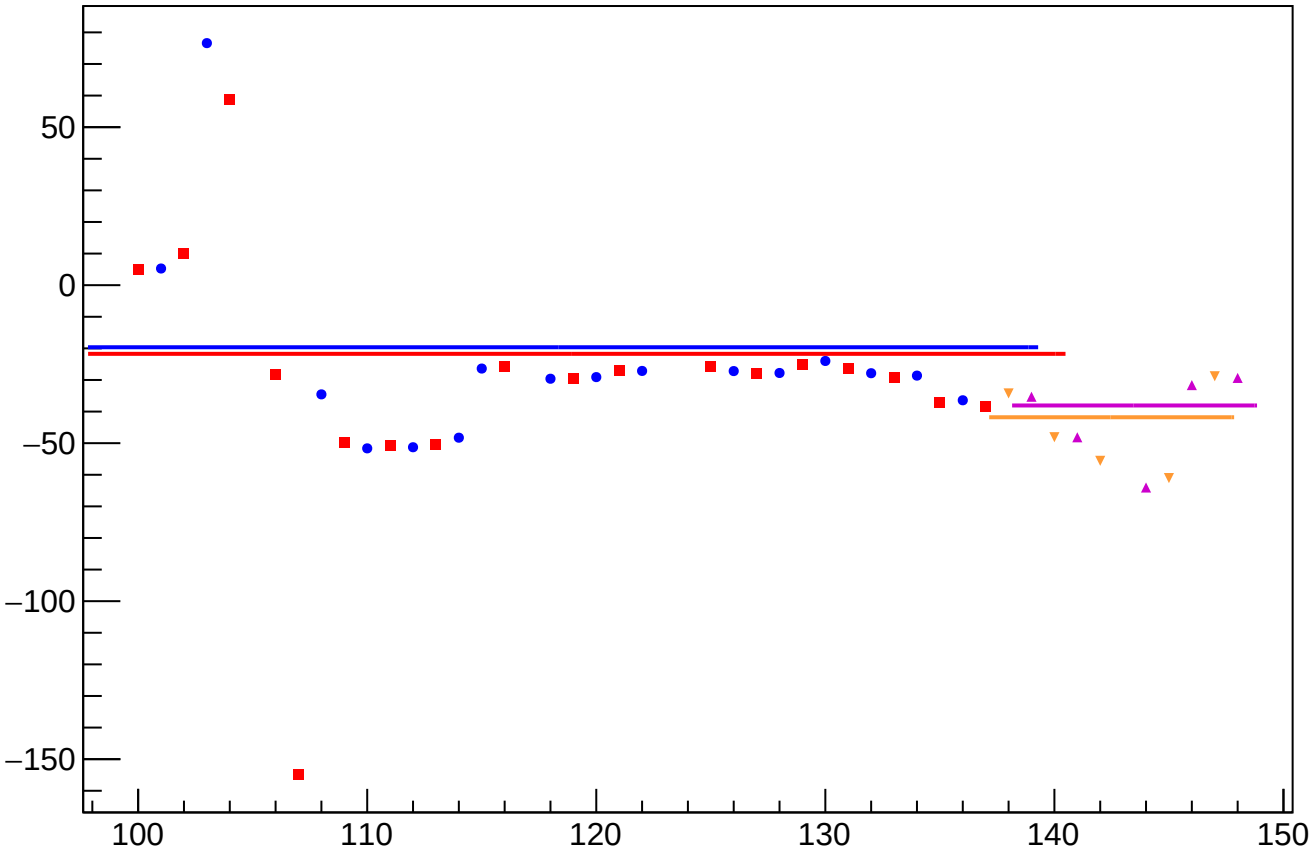
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.379+/-0.726 χ^2/NDF:191.3/4

+ sign -7.768+/-0.481 χ^2/NDF: 1064.8/20

All: -8.061+/-0.338 χ^2/NDF: 1971.4/43

- sign -8.346+/-0.475 χ^2/NDF: 905.9/22



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

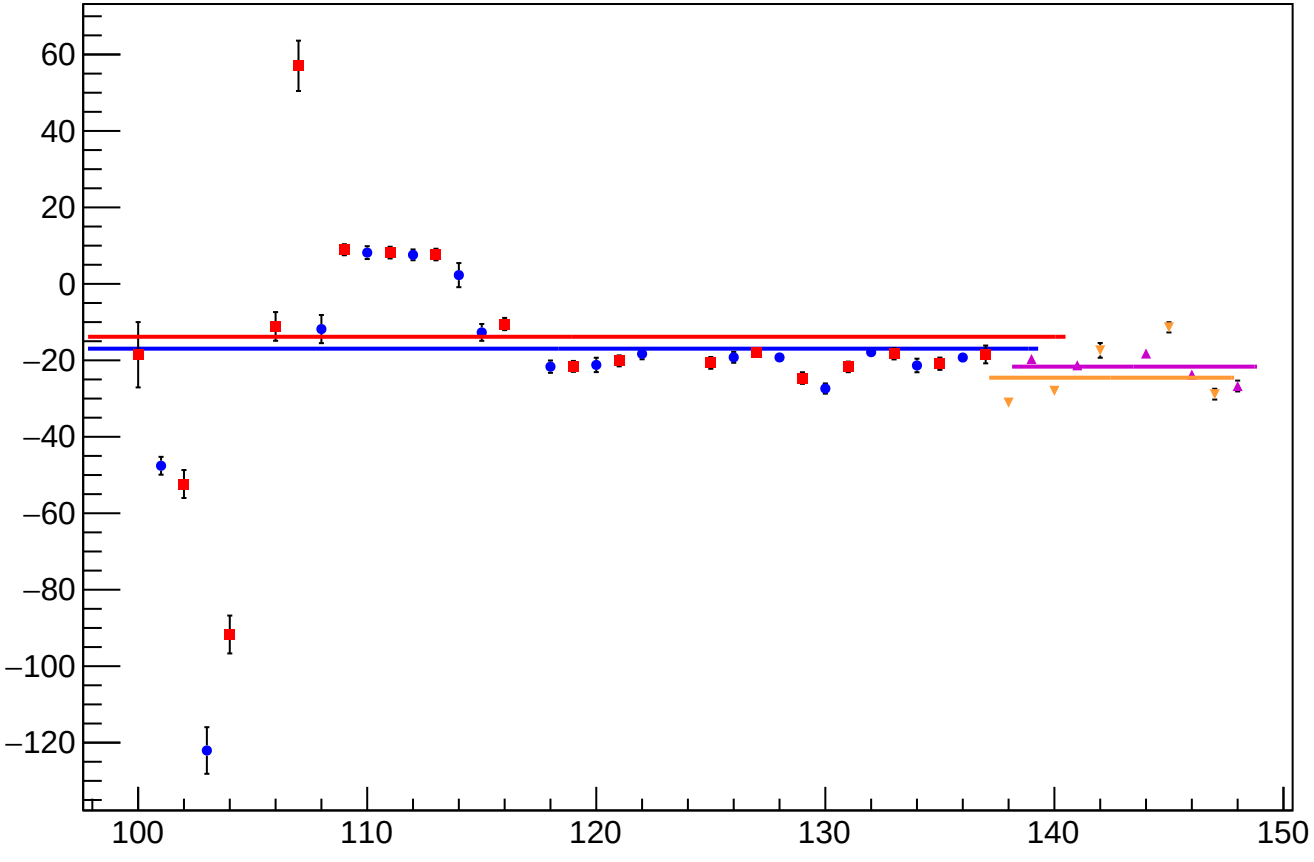
Left In: -38.069+/-0.035 χ^2/NDF:94381.7/4

+ sign -29.744+/-0.027 χ^2/NDF: 910132.0/20

All: -30.253+/-0.019 χ^2/NDF: 1649243.6/43

- sign -30.740+/-0.026 χ^2/NDF: 738396.3/22

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

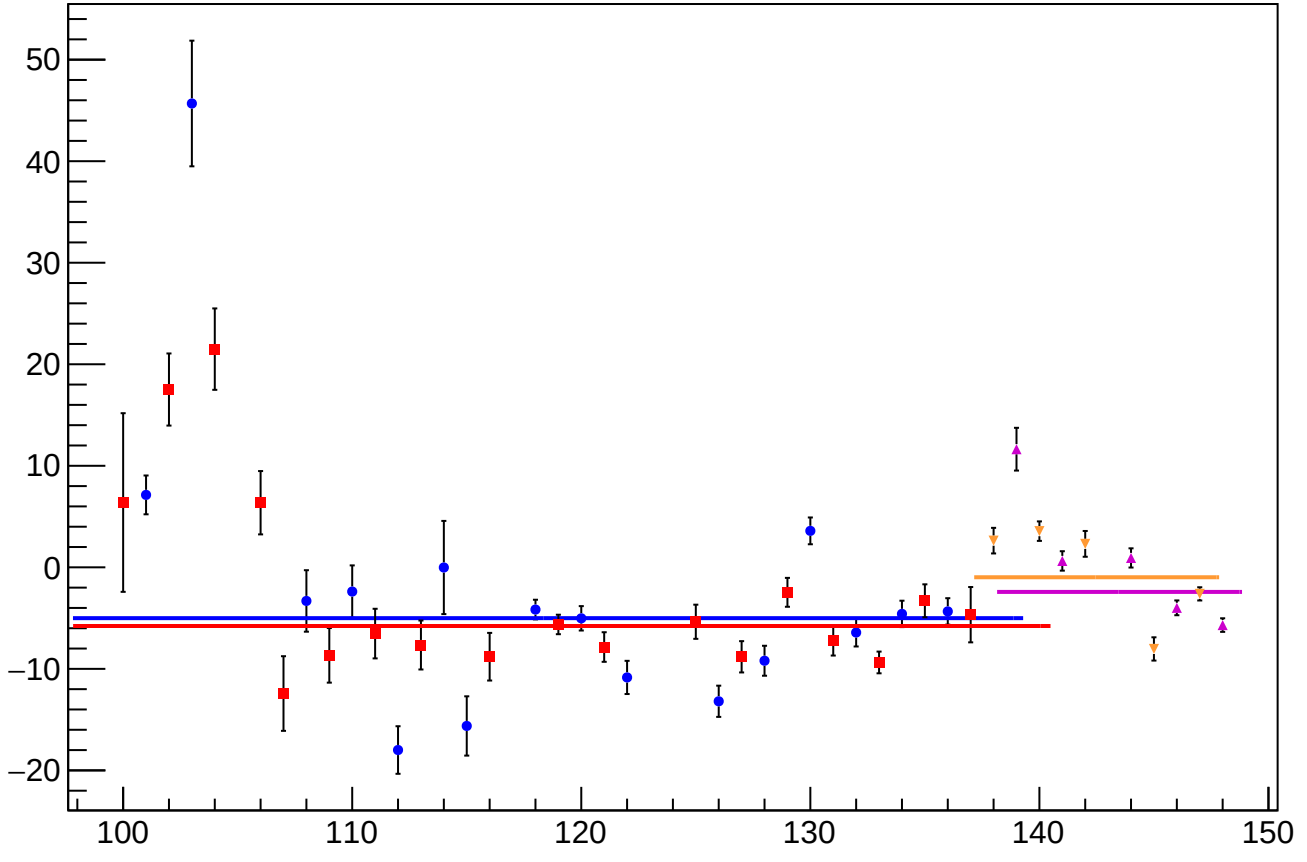
Left In: -21.651+/-0.573 χ^2/NDF:25.6/4

+ sign -19.321+/-0.335 χ^2/NDF: 1397.4/20

All: -17.890+/-0.236 χ^2/NDF: 2915.6/43

- sign -16.474+/-0.333 χ^2/NDF: 1481.9/22

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

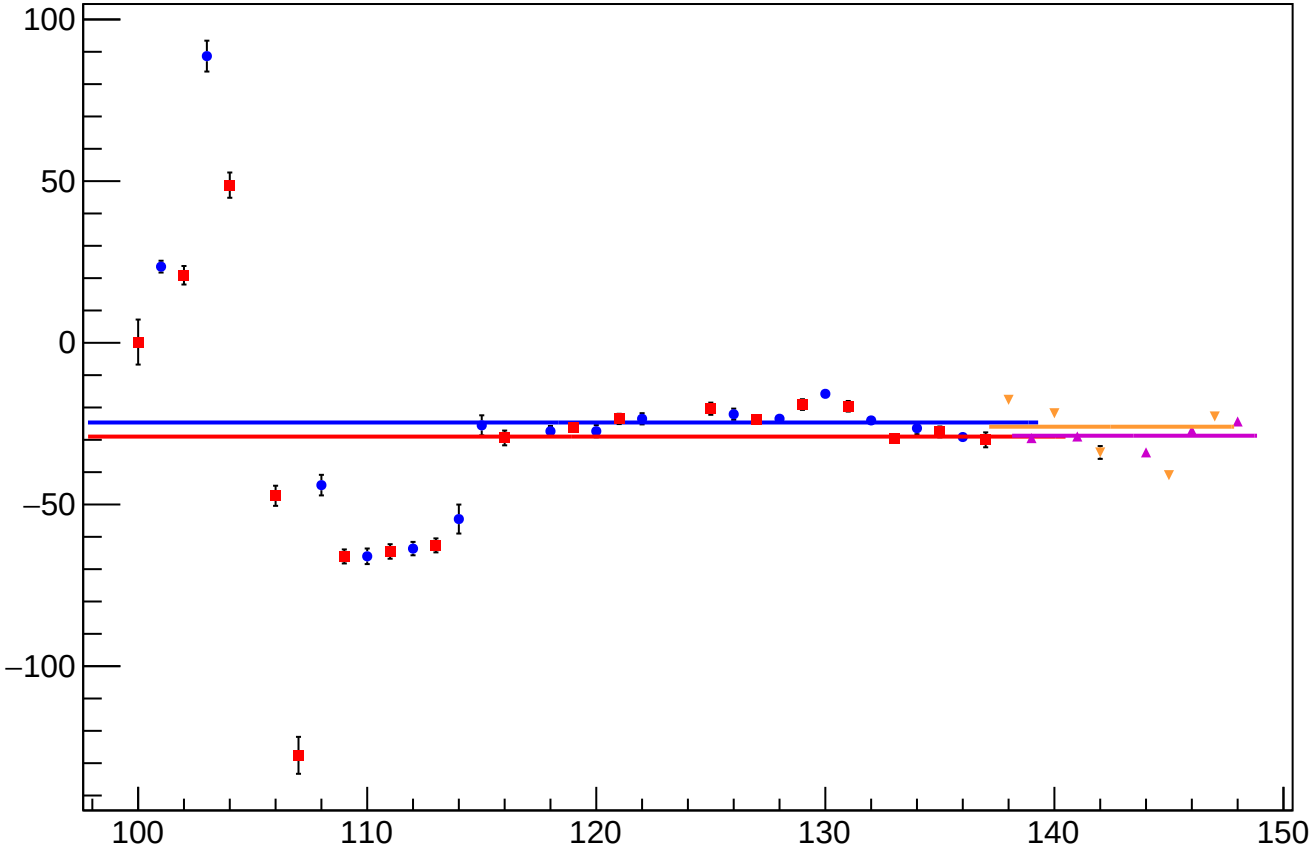
Left In: -2.422+/-0.391 χ^2/NDF:95.7/4

+ sign -3.121+/-0.293 χ^2/NDF: 376.4/20

All: -3.562+/-0.205 χ^2/NDF: 650.2/43

- sign -3.981+/-0.286 χ^2/NDF: 269.4/22

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

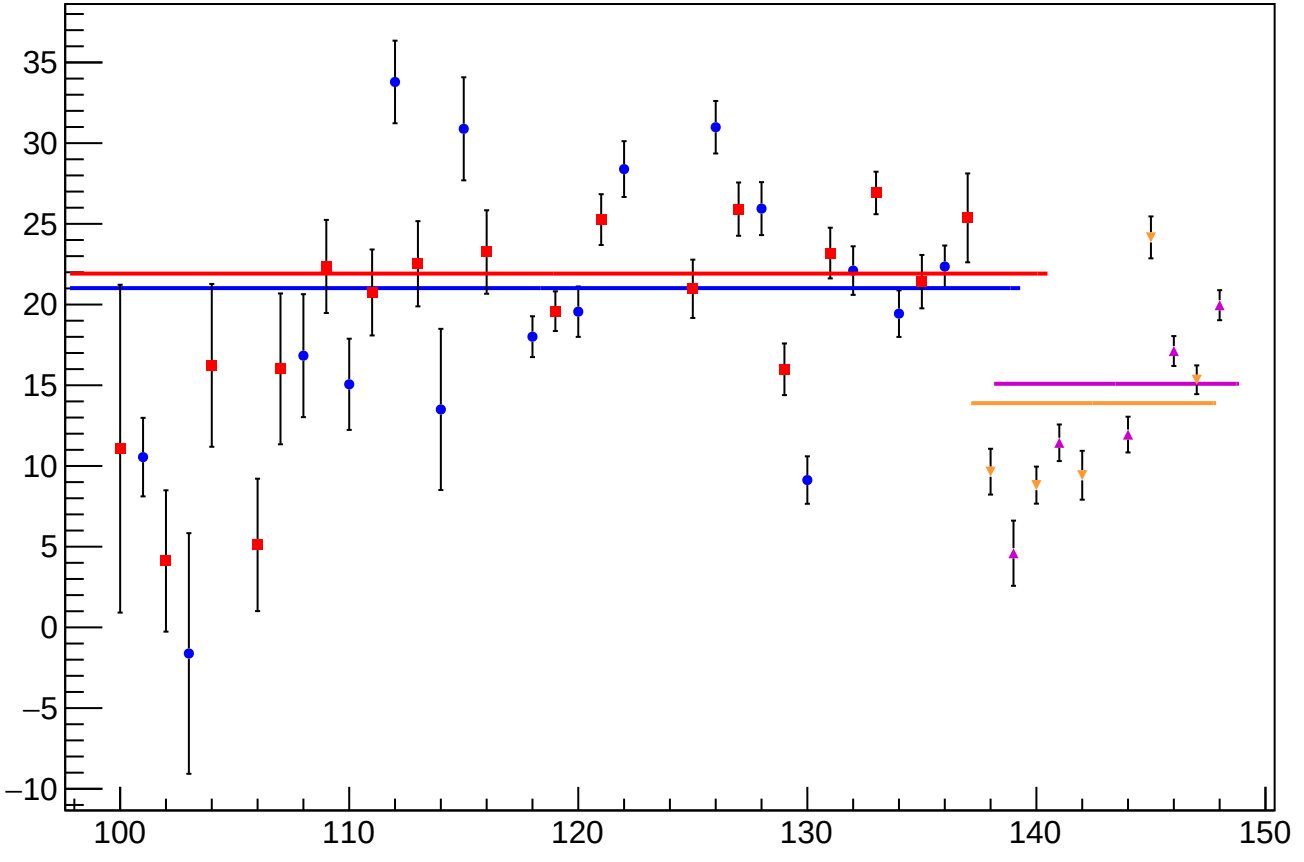
Left In: -28.731+/-0.573 χ^2/NDF:28.6/4

+ sign -25.111+/-0.364 χ^2/NDF: 2254.3/20

All: -26.991+/-0.258 χ^2/NDF: 4289.0/43

- sign -28.891+/-0.366 χ^2/NDF: 1981.0/22

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

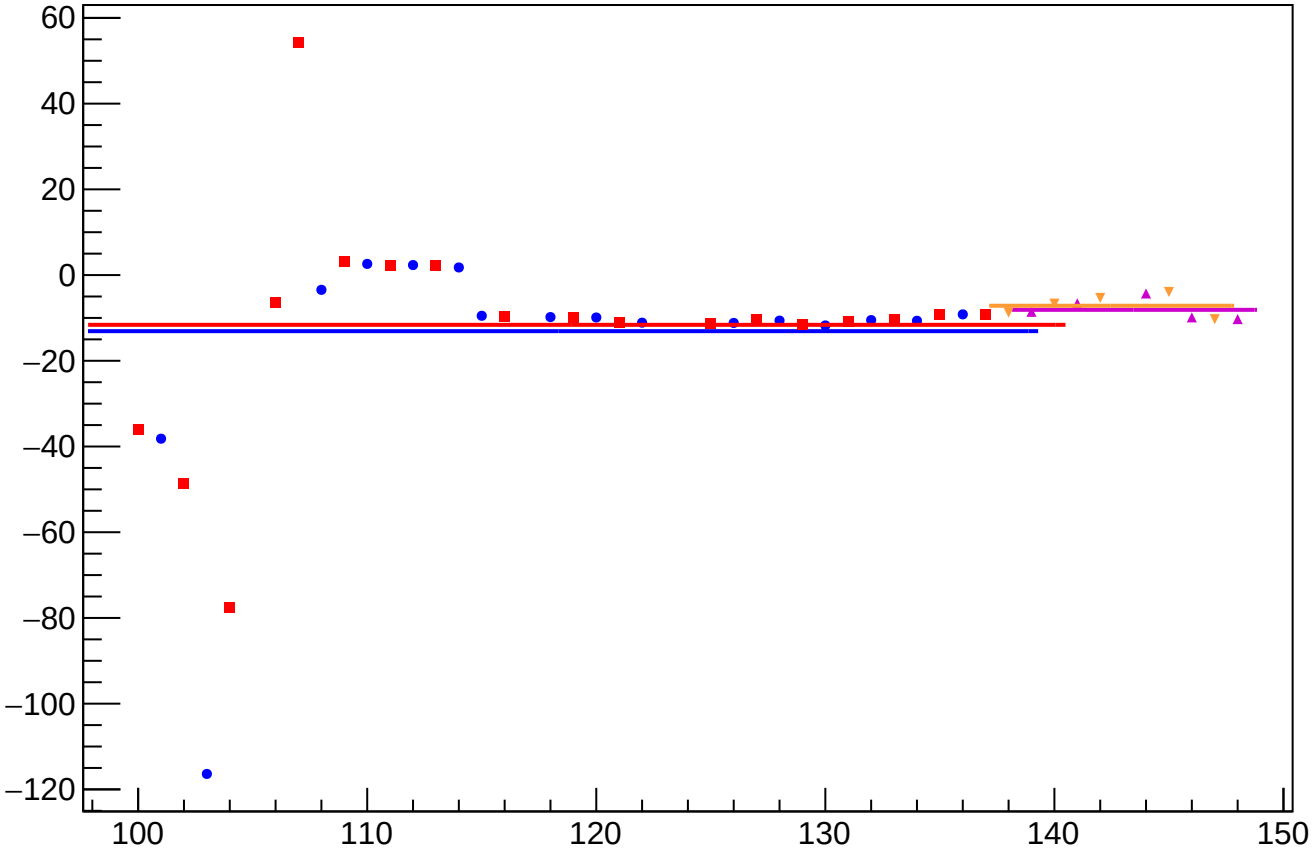
Left In: 15.092+/-0.490 χ^2/NDF:77.7/4

\+ sign 17.980+/-0.347 χ^2/NDF: 415.2/20

All: 18.288+/-0.244 χ^2/NDF: 676.2/43

\- sign 18.589+/-0.342 χ^2/NDF: 259.5/22

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

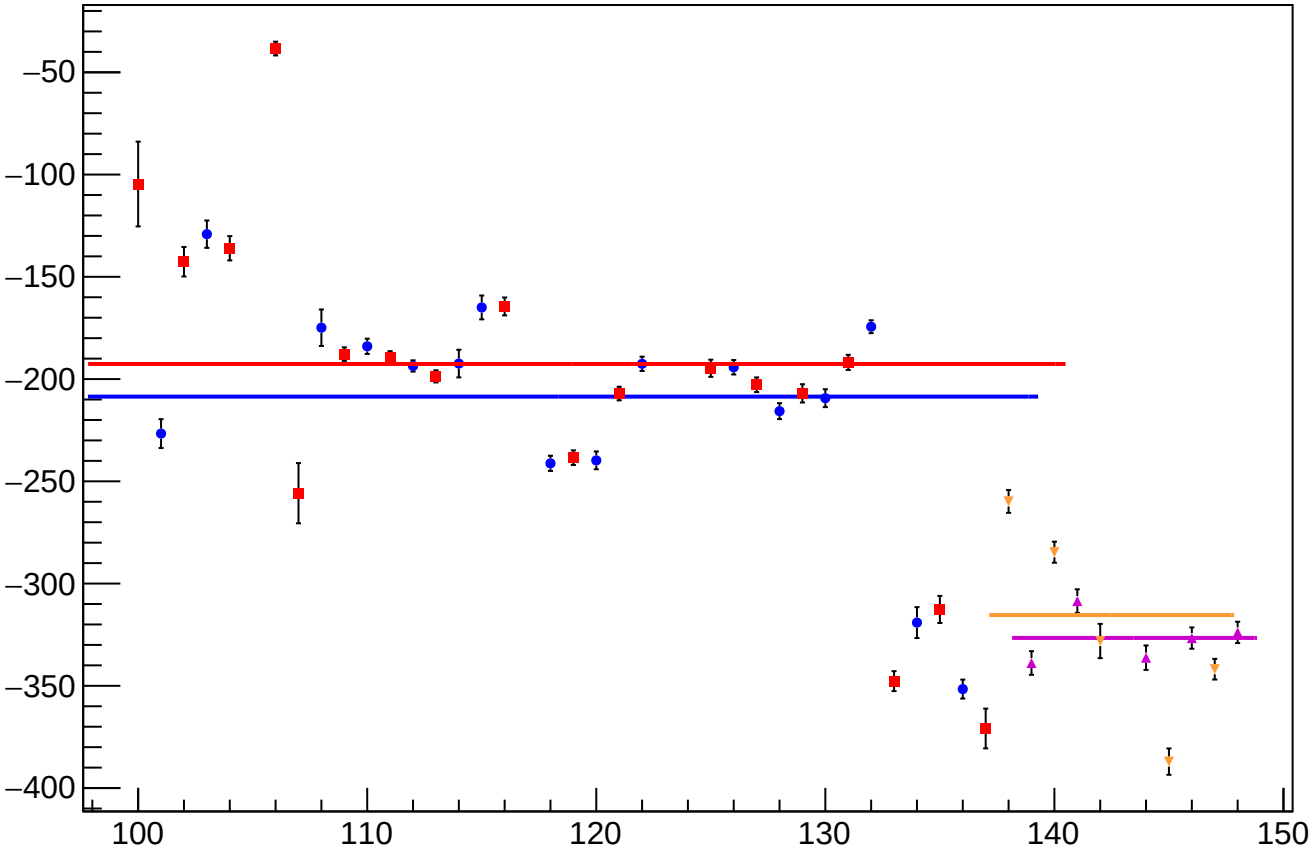
Left In: -8.111+/-0.023 χ^2/NDF:7827.8/4

+ sign -9.774+/-0.019 χ^2/NDF: 377364.8/20

All: -9.569+/-0.013 χ^2/NDF: 707817.1/43

- sign -9.371+/-0.019 χ^2/NDF: 330220.9/22

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

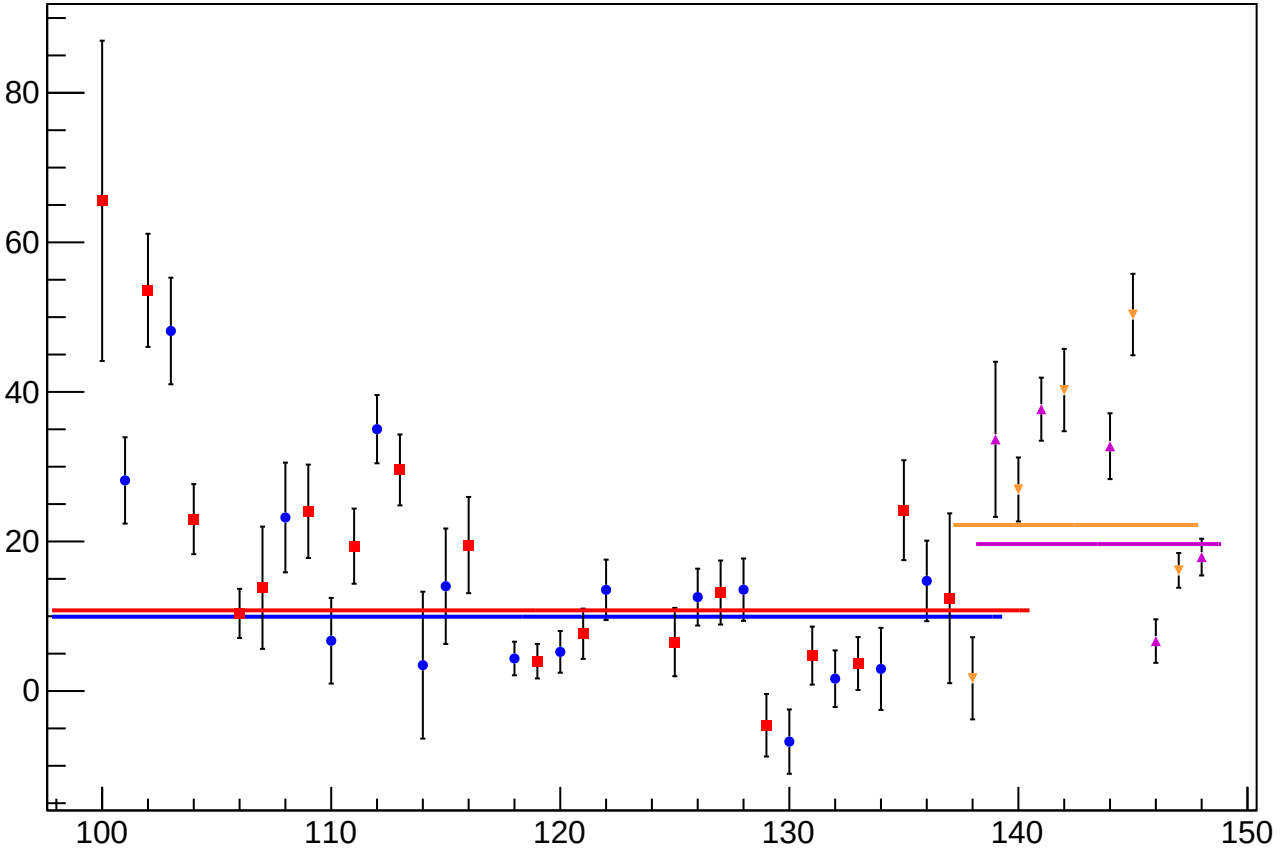
Left In: -326.587+/-2.488 χ^2/NDF:17.1/4

\+ sign -223.908+/-0.987 χ^2/NDF: 3478.3/20

All: -217.164+/-0.676 χ^2/NDF: 10287.8/43

\- sign -211.217+/-0.927 χ^2/NDF: 6721.7/22

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

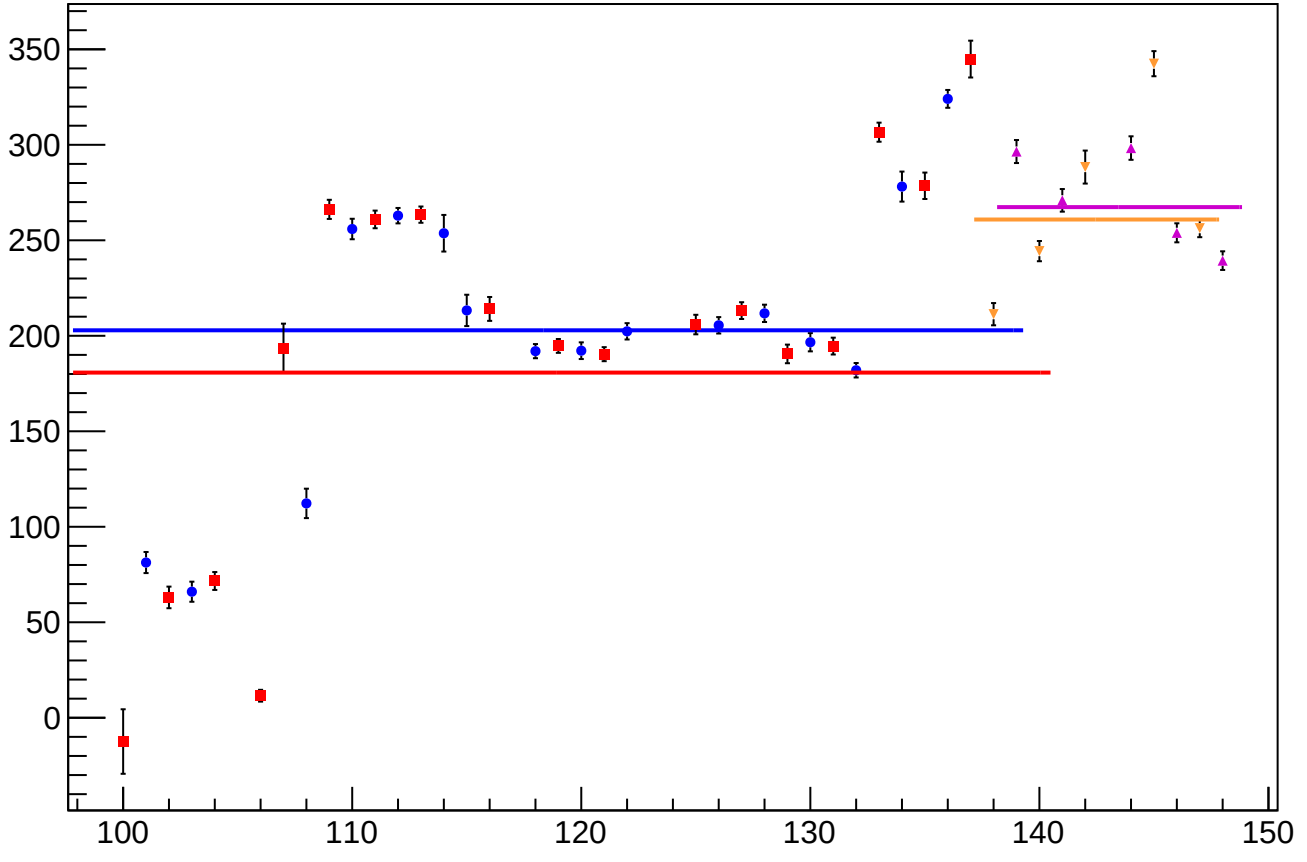
Left In: 19.654+/-1.580 χ^2/NDF:49.3/4

+ sign 13.351+/-0.905 χ^2/NDF: 202.9/20

All: 13.419+/-0.628 χ^2/NDF: 379.2/43

- sign 13.482+/-0.871 χ^2/NDF: 176.3/22

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

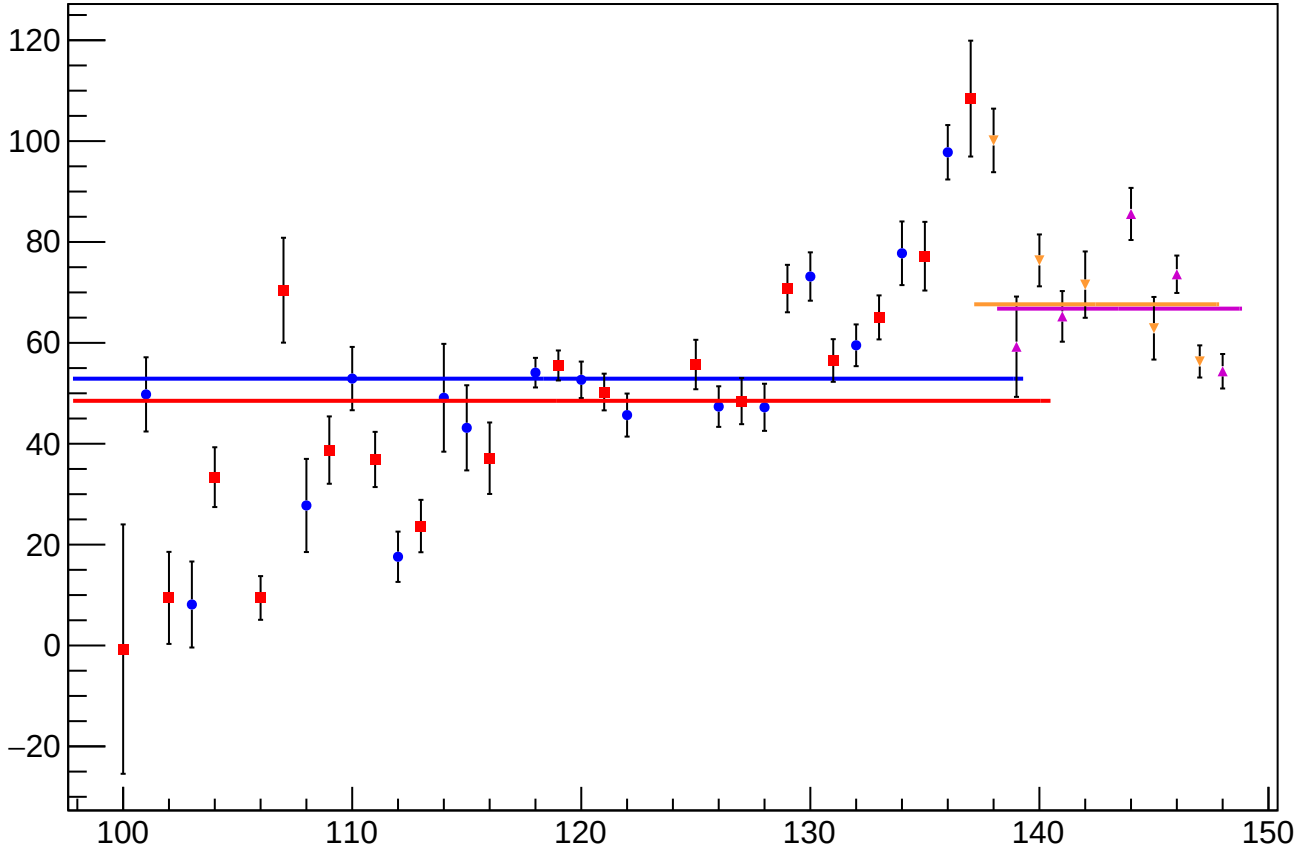
Left In: 267.380+/-2.464 χ^2/NDF:89.2/4

\+ sign 213.344+/-1.109 χ^2/NDF: 3115.9/20

All: 204.138+/-0.758 χ^2/NDF: 10699.6/43

\- sign 196.091+/-1.037 χ^2/NDF: 7454.7/22

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

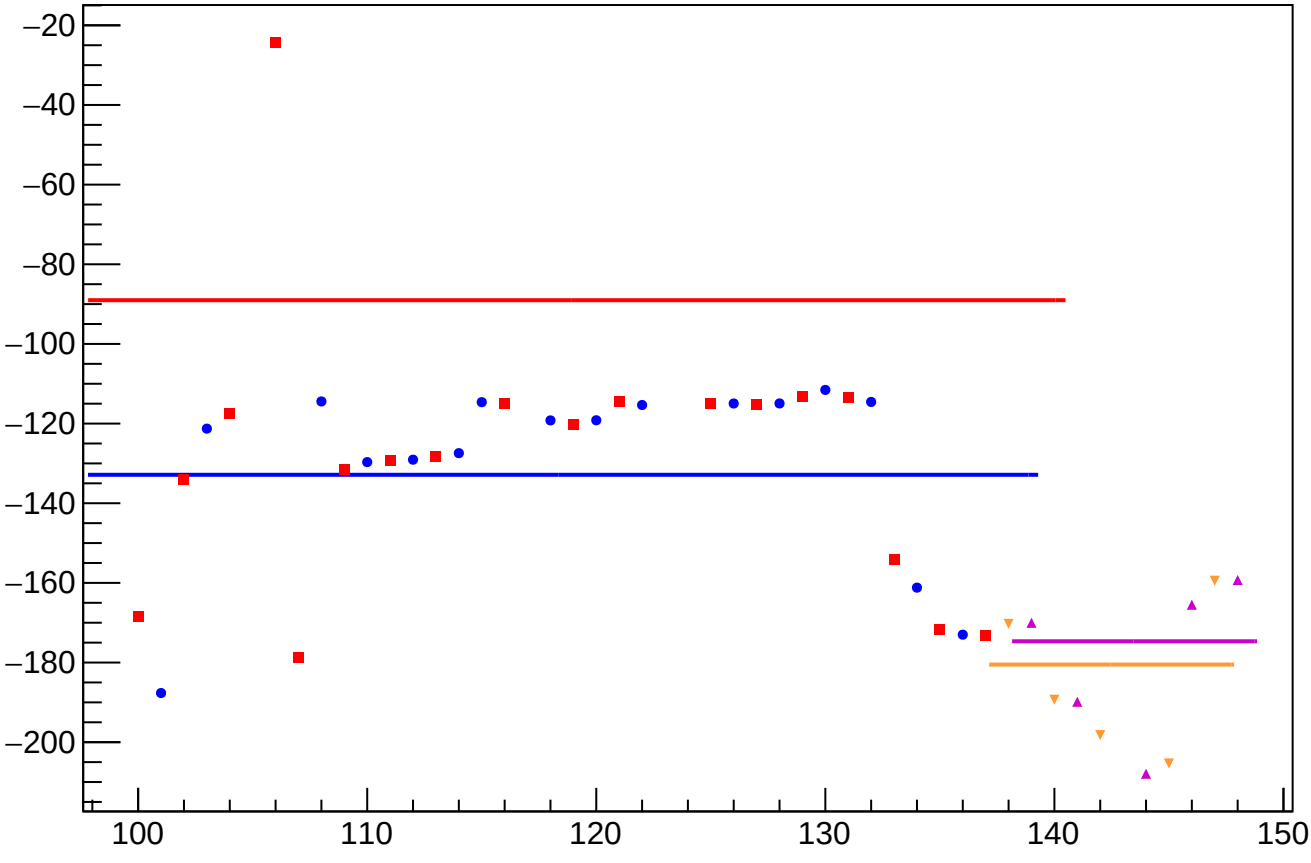
Left In: 66.784+/-2.018 χ^2/NDF:30.4/4

+ sign 56.510+/-1.079 χ^2/NDF: 275.9/20

All: 54.882+/-0.749 χ^2/NDF: 610.9/43

- sign 53.367+/-1.040 χ^2/NDF: 330.6/22

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

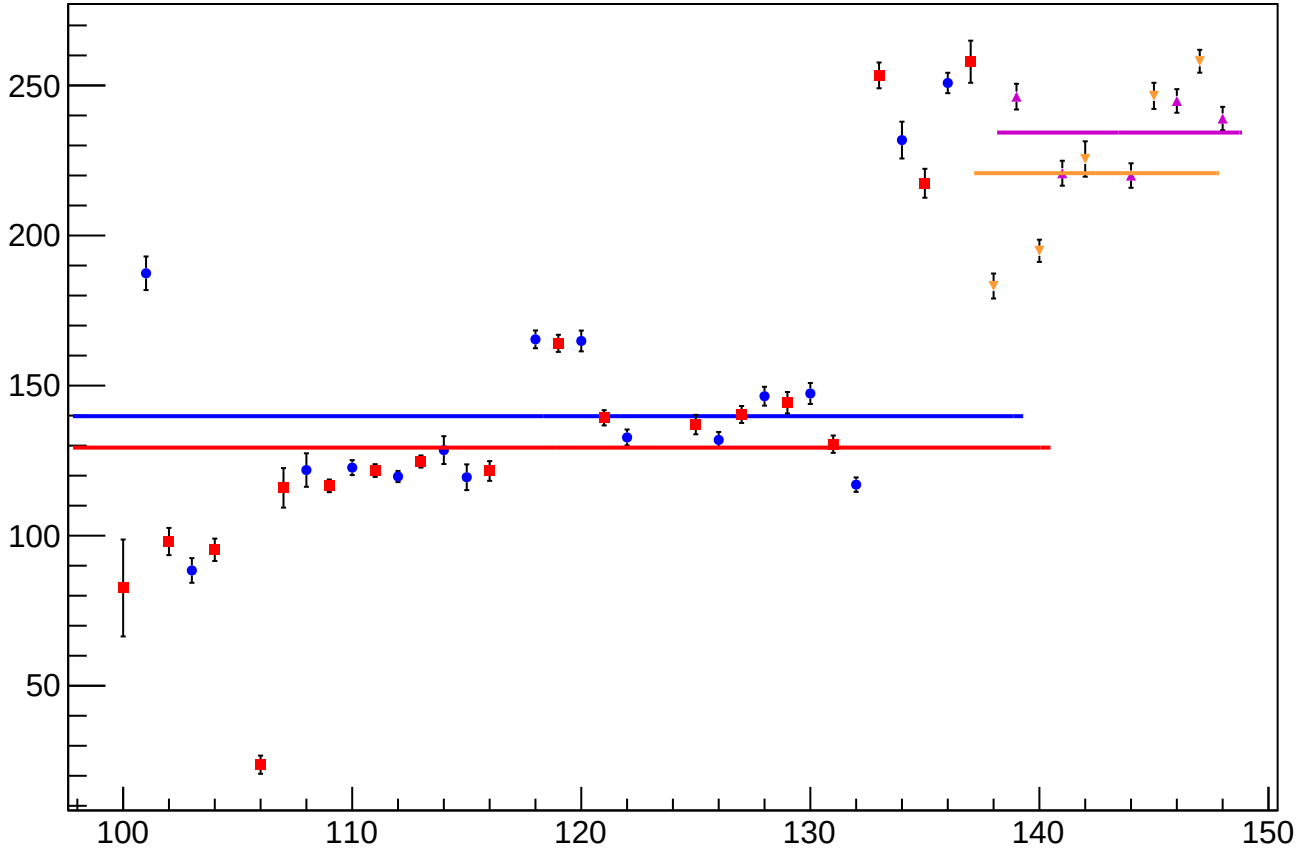
Left In: -174.659+/-0.100 χ^2/NDF:26797.6/4

+ sign -149.564+/-0.066 χ^2/NDF: 238754.2/20

All: -128.308+/-0.042 χ^2/NDF: 1686690.1/43

- sign -113.848+/-0.054 χ^2/NDF: 1271287.5/22

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

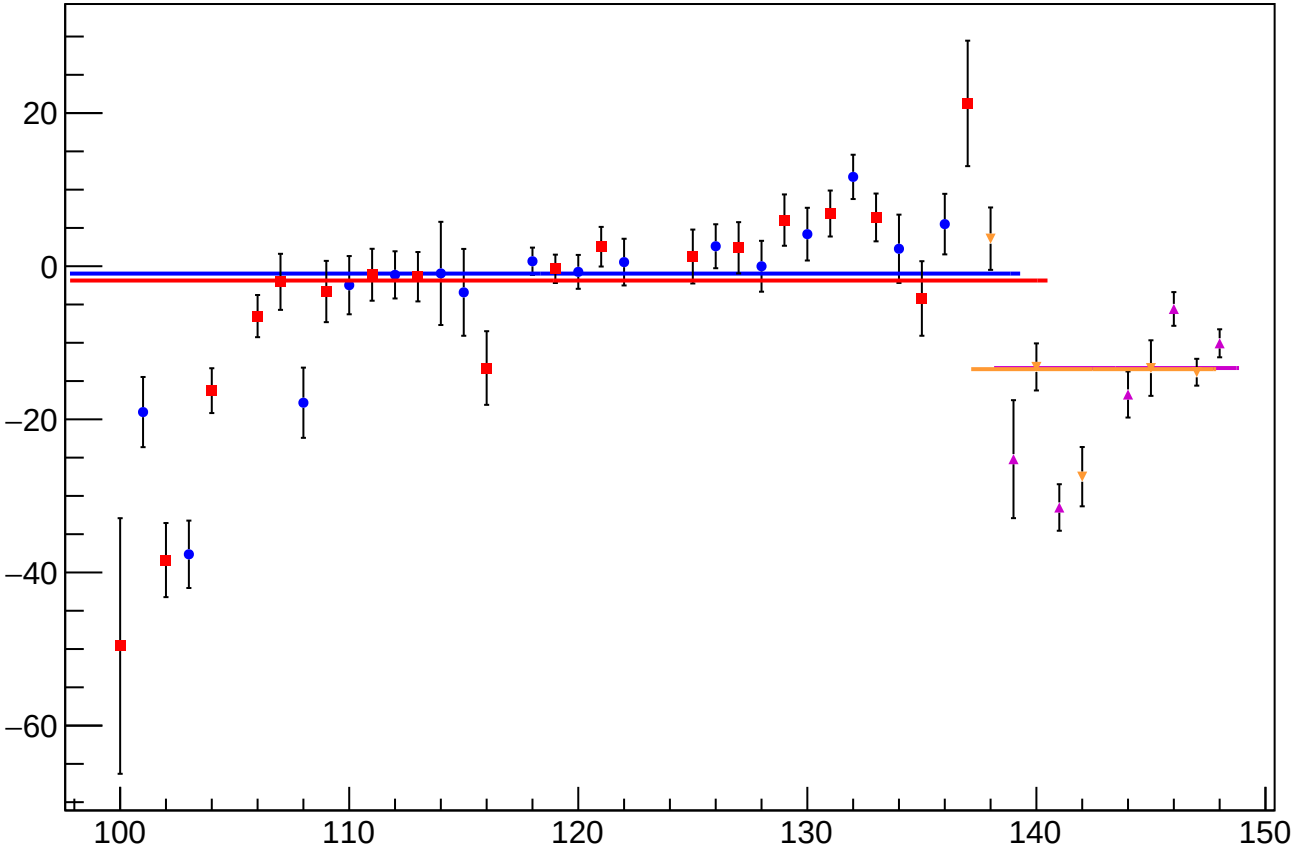
Left In: 234.305+/-1.816 χ^2/NDF:39.4/4

+ sign 151.754+/-0.724 χ^2/NDF: 3797.7/20

All: 147.688+/-0.496 χ^2/NDF: 9892.3/43

- sign 144.098+/-0.681 χ^2/NDF: 6035.3/22

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

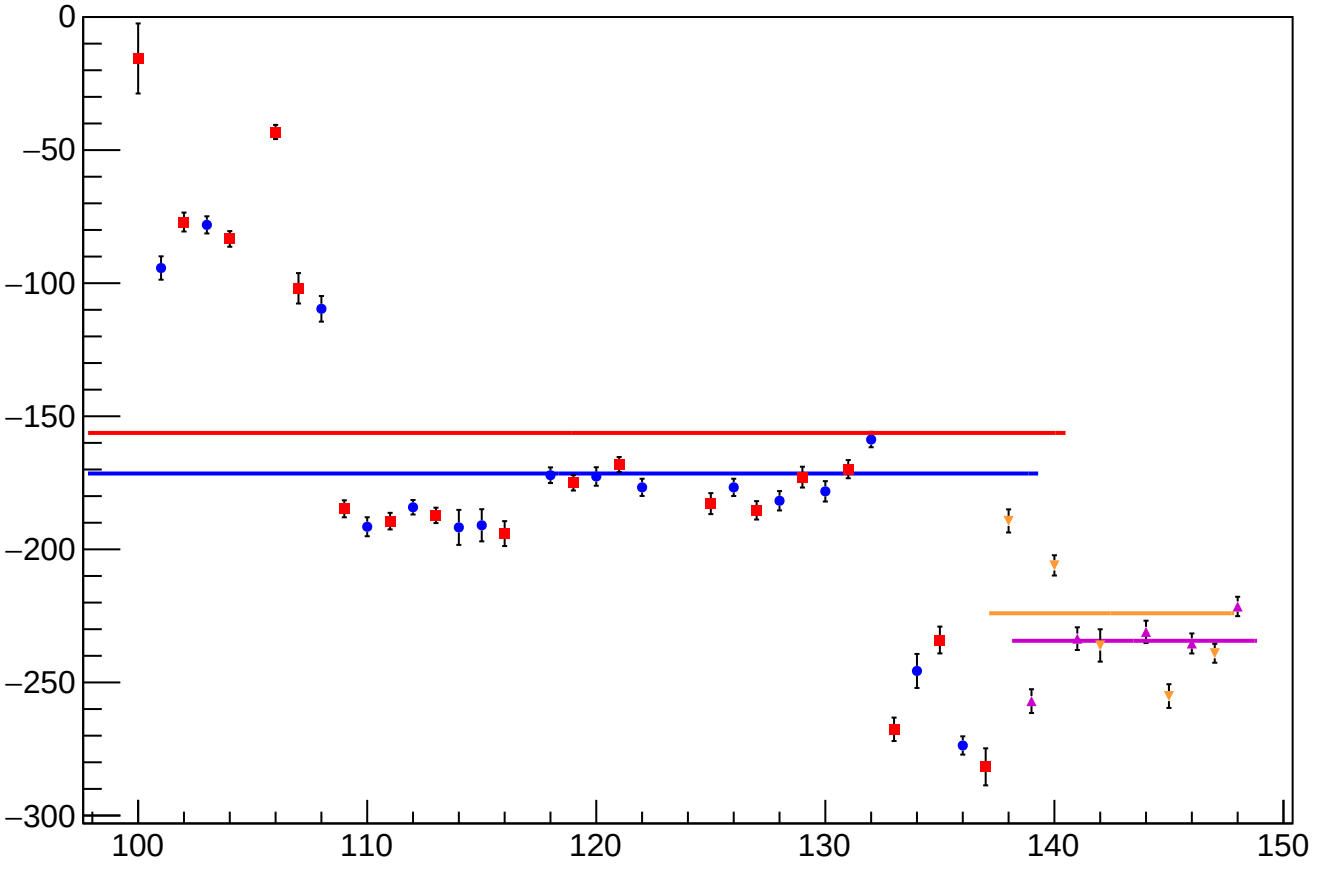
Left In: -13.298+/-1.162 χ^2/NDF:55.1/4

+ sign -4.620+/-0.680 χ^2/NDF: 226.6/20

All: -5.049+/-0.470 χ^2/NDF: 482.1/43

- sign -5.440+/-0.650 χ^2/NDF: 254.7/22

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

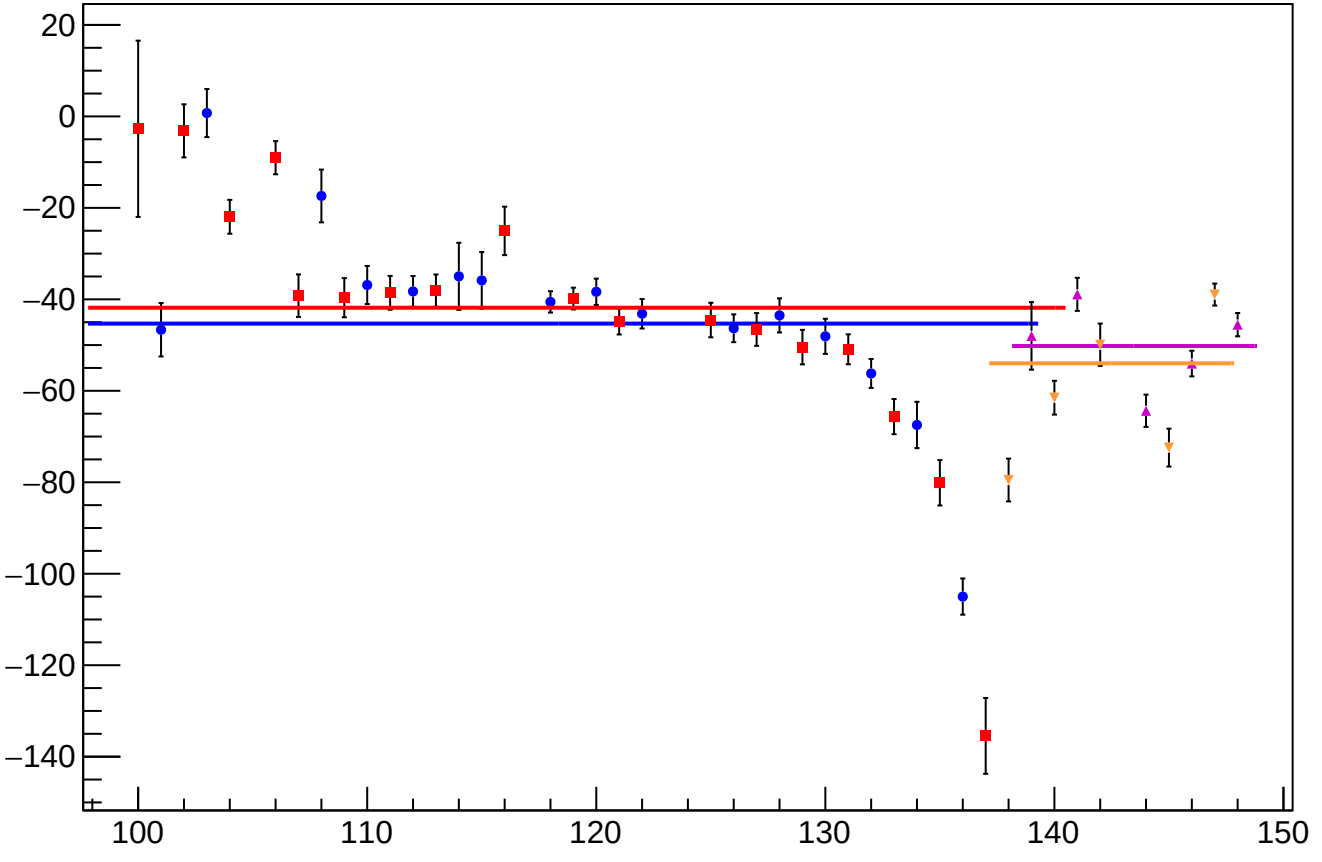
Left In: -234.354+/-1.802 χ^2/NDF:39.1/4

\+ sign -181.291+/-0.818 χ^2/NDF: 3224.3/20

All: -175.497+/-0.559 χ^2/NDF: 9800.7/43

\- sign -170.406+/-0.767 χ^2/NDF: 6482.1/22

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

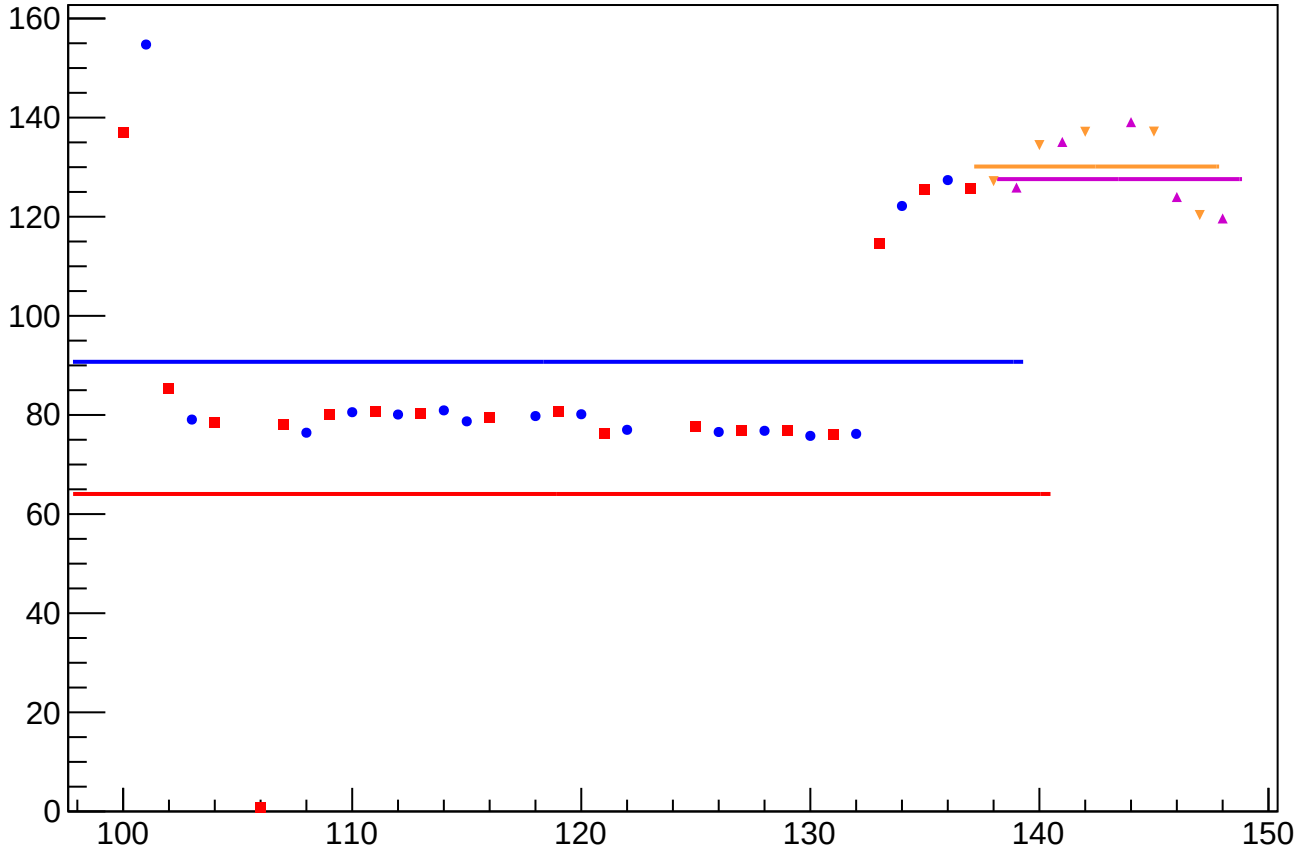
Left In: -50.207+/-1.480 χ^2/NDF:31.2/4

+ sign -47.550+/-0.807 χ^2/NDF: 497.8/20

All: -45.768+/-0.559 χ^2/NDF: 975.8/43

- sign -44.126+/-0.775 χ^2/NDF: 468.7/22

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

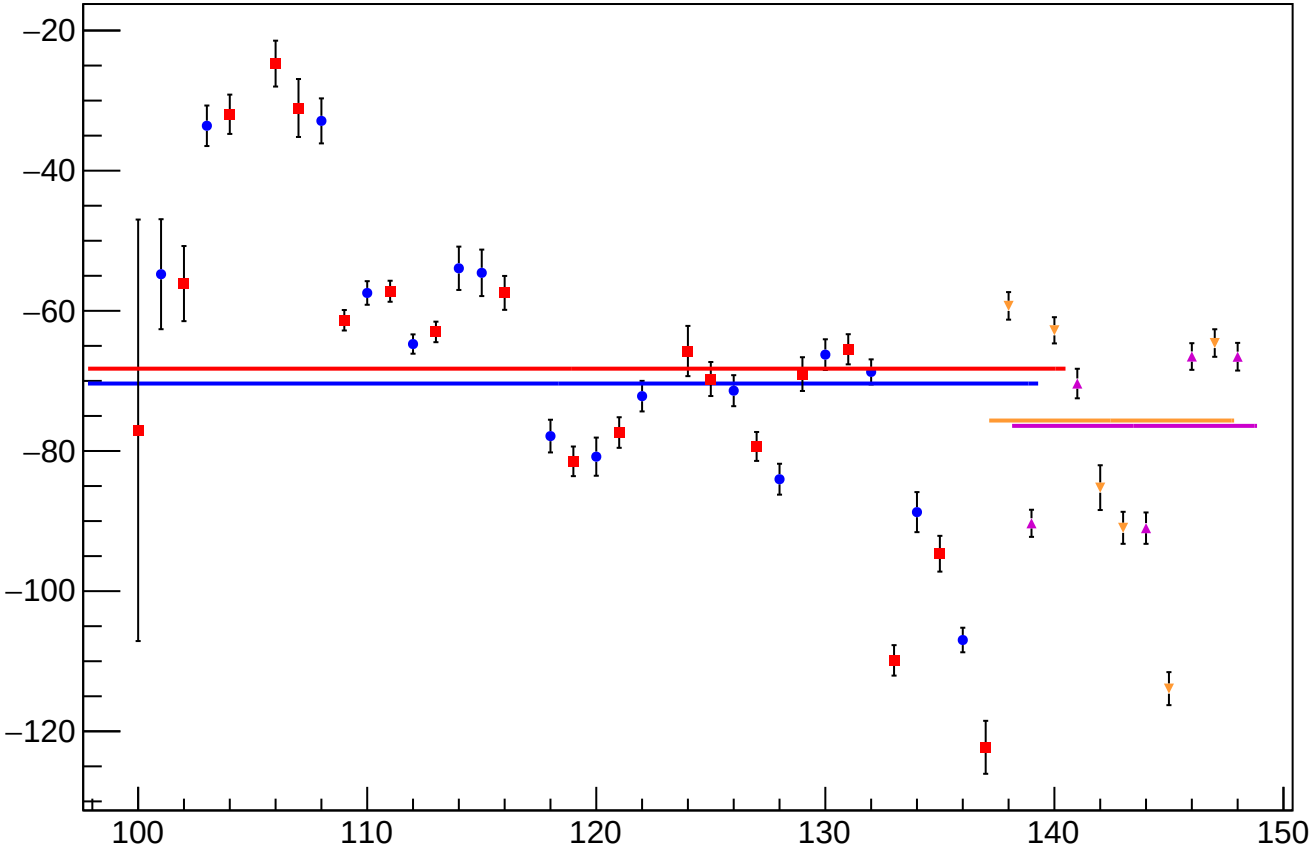
Left In: 127.590+/-0.074 χ^2/NDF:9092.9/4

+ sign 104.406+/-0.047 χ^2/NDF: 325894.6/20

All: 92.603+/-0.031 χ^2/NDF: 1619612.1/43

- sign 83.736+/-0.041 χ^2/NDF: 1184458.5/22

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

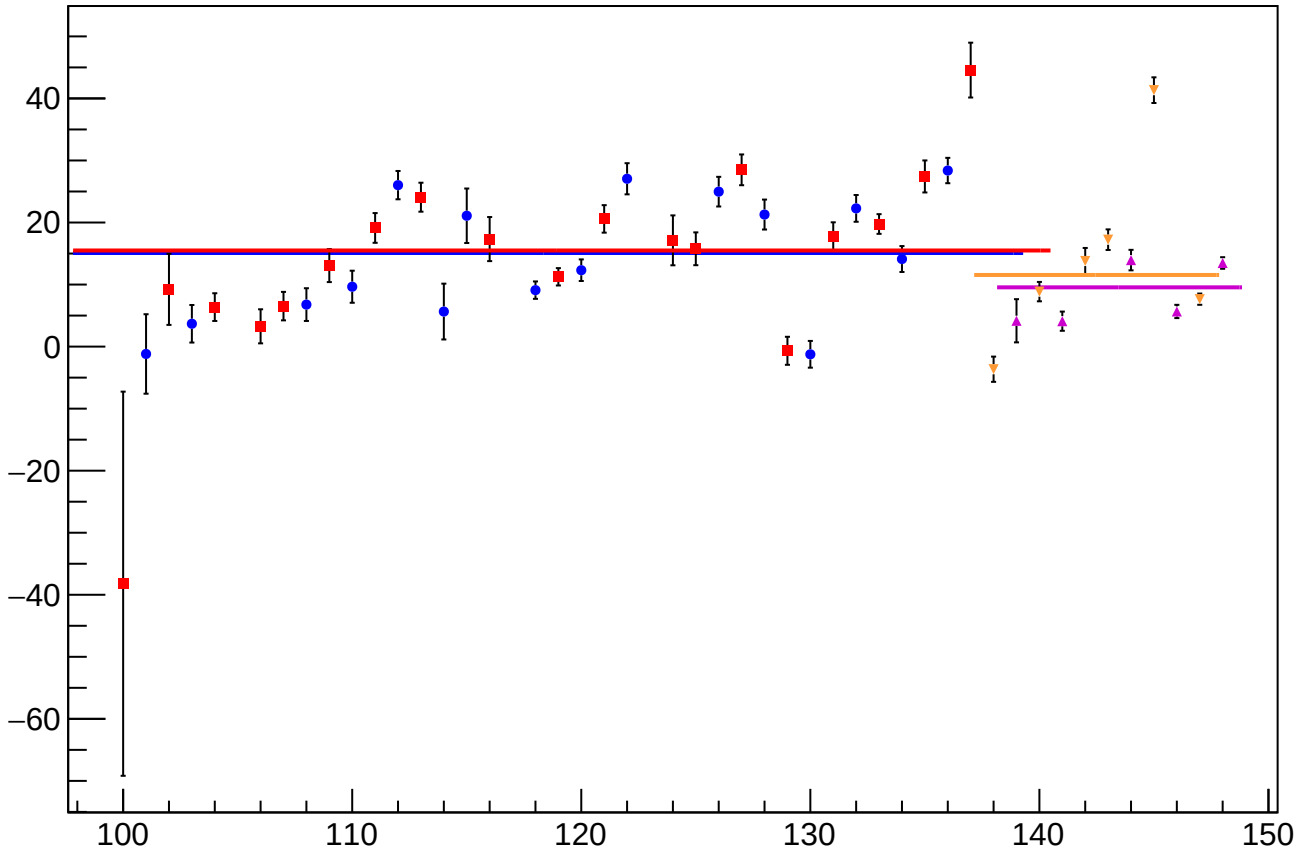
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -76.416+/-0.904 χ^2/NDF:154.4/4

+ sign -71.872+/-0.472 χ^2/NDF: 1466.2/21

All: -71.068+/-0.328 χ^2/NDF: 2993.0/45

- sign -70.322+/-0.455 χ^2/NDF: 1521.3/23



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

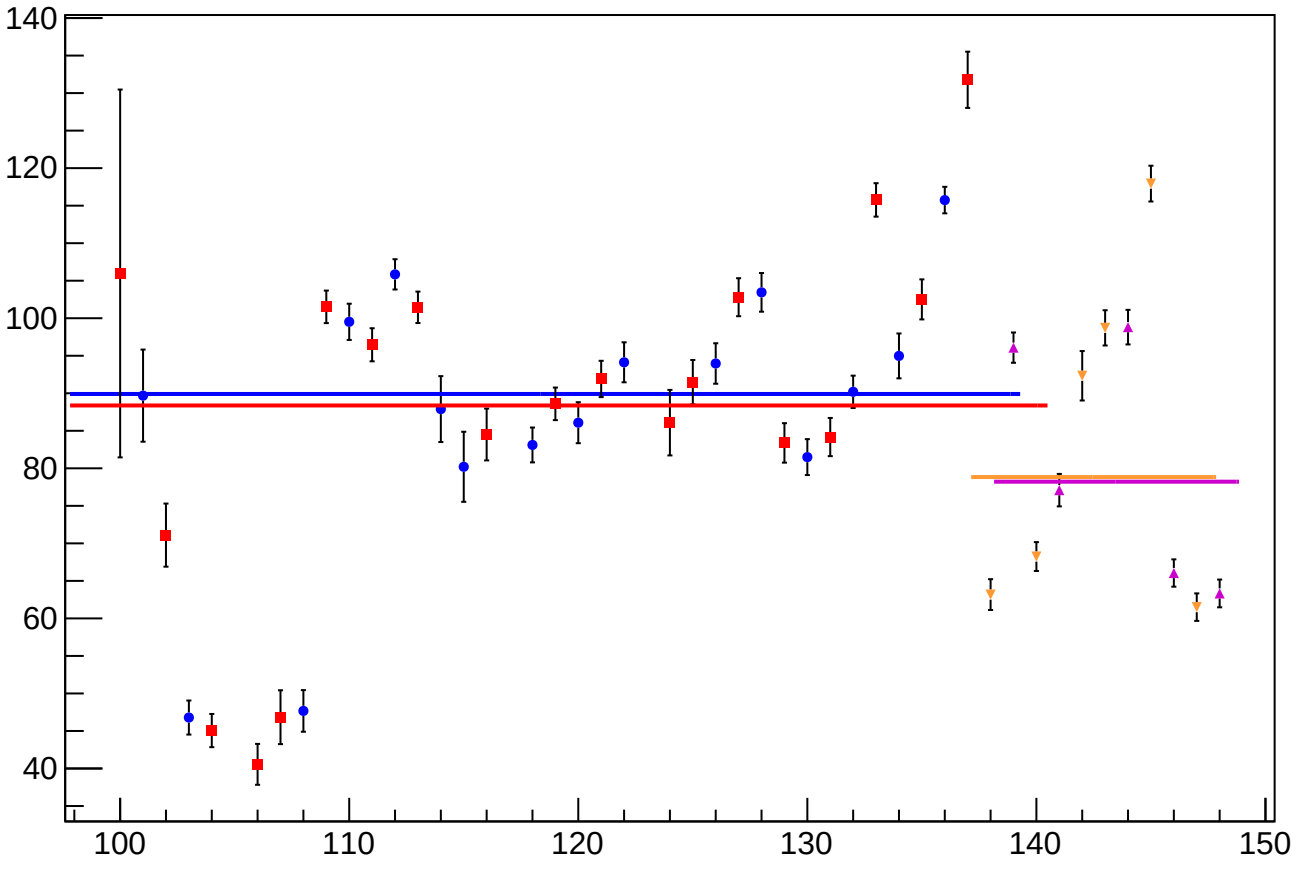
Left In: 9.551+/-0.588 χ^2/NDF:52.8/4

+ sign 13.404+/-0.420 χ^2/NDF: 557.7/21

All: 13.026+/-0.292 χ^2/NDF: 905.0/45

- sign 12.676+/-0.405 χ^2/NDF: 345.8/23

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

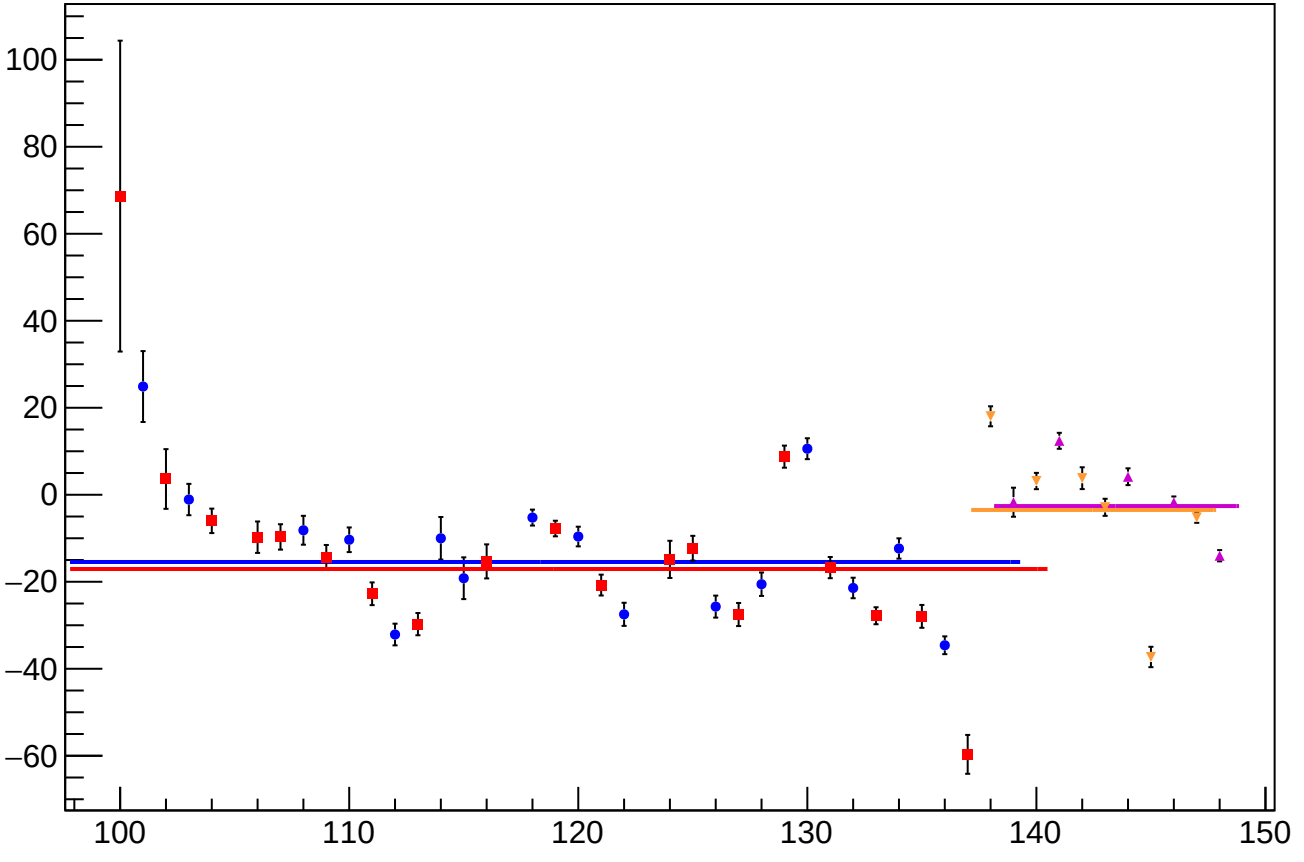
Left In: 78.218+/-0.897 χ^2/NDF:268.1/4

\+ sign 86.144+/-0.521 χ^2/NDF: 1584.7/21

All: 85.616+/-0.364 χ^2/NDF: 3230.6/45

\- sign 85.111+/-0.509 χ^2/NDF: 1643.9/23

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

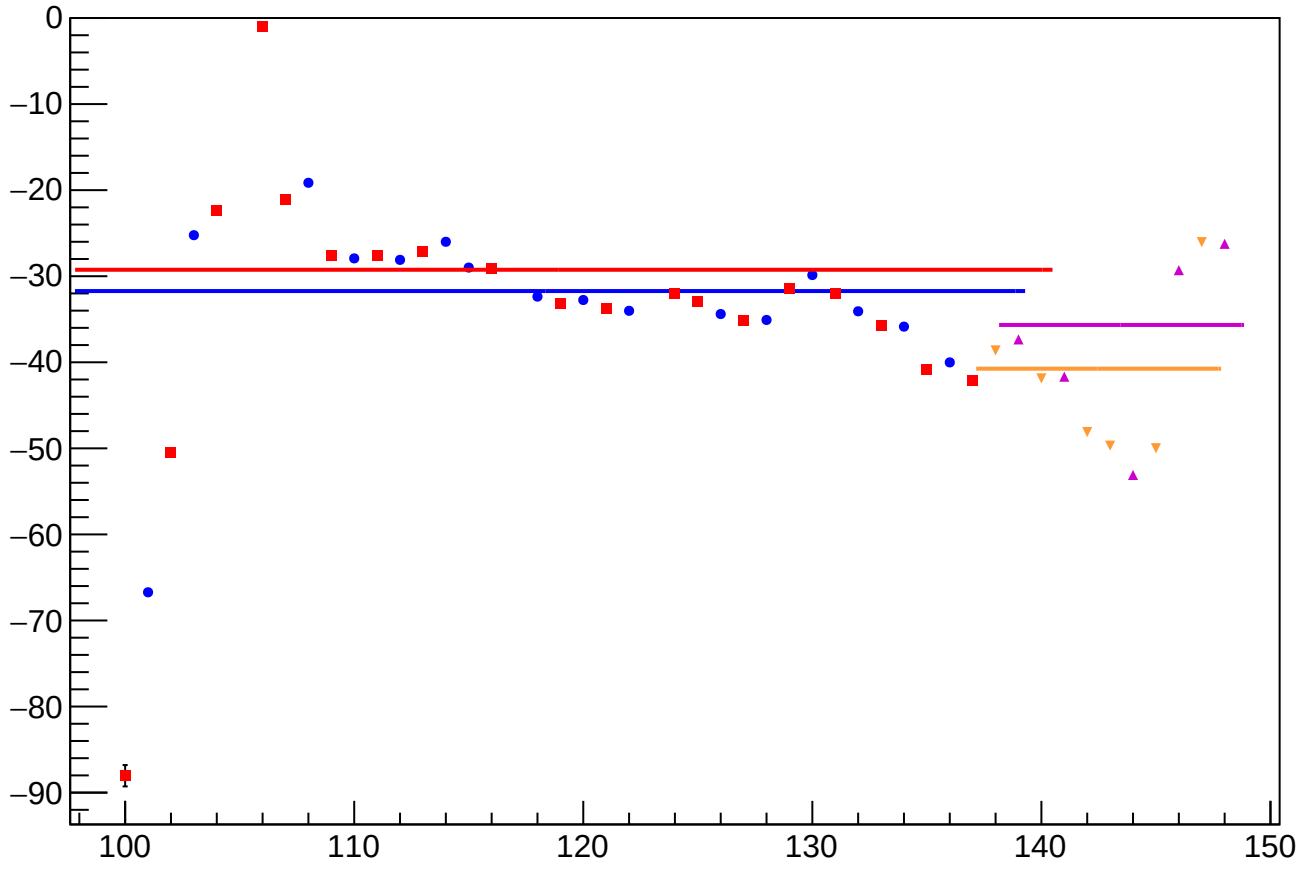
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.598+/-0.748 χ^2/NDF:156.7/4

+ sign -10.272+/-0.501 χ^2/NDF: 845.5/21

All: -10.600+/-0.350 χ^2/NDF: 1579.0/45

- sign -10.911+/-0.488 χ^2/NDF: 732.7/23



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

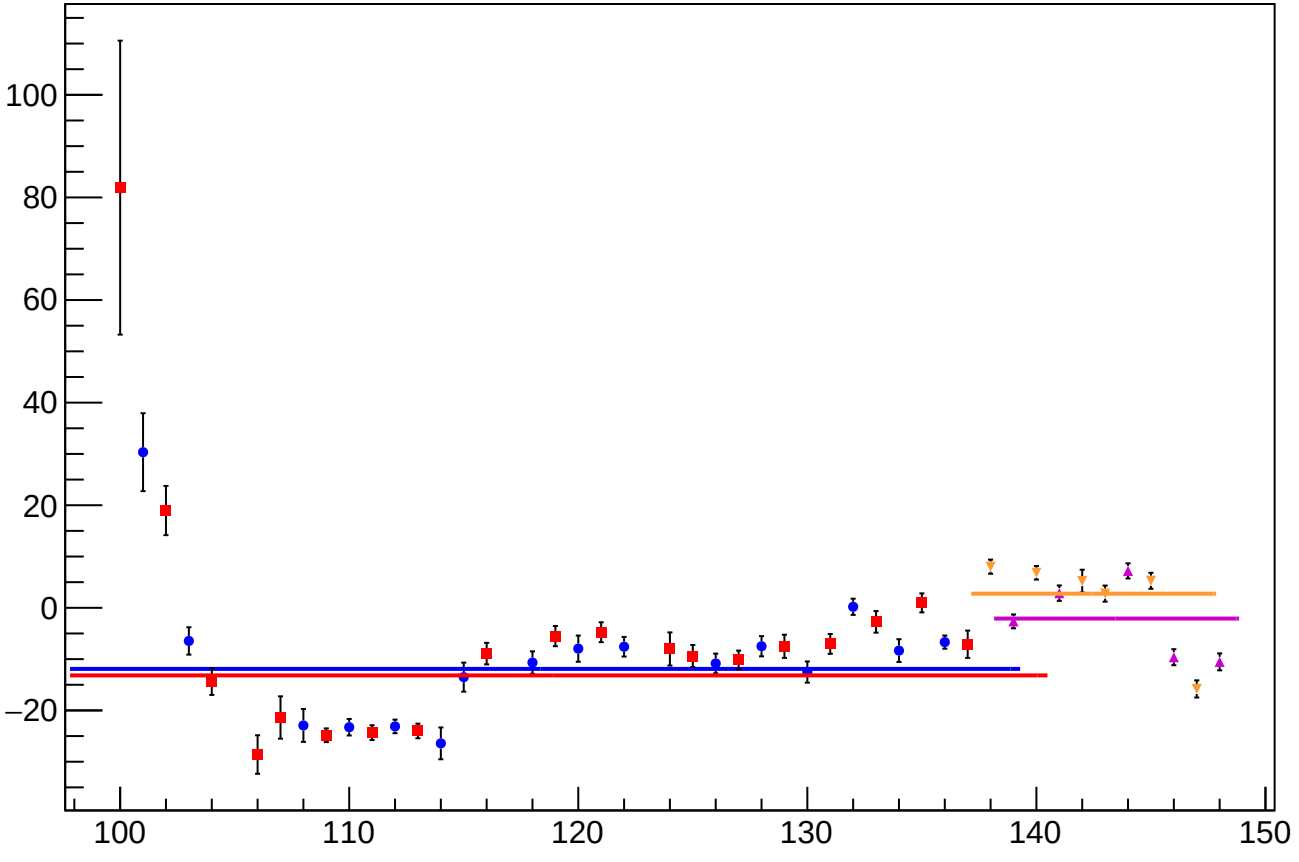
Left In: -35.665+/-0.036 χ^2/NDF:56196.1/4

+ sign -36.358+/-0.027 χ^2/NDF: 122326.0/21

All: -34.465+/-0.019 χ^2/NDF: 298236.3/45

- sign -32.637+/-0.026 χ^2/NDF: 166148.4/23

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

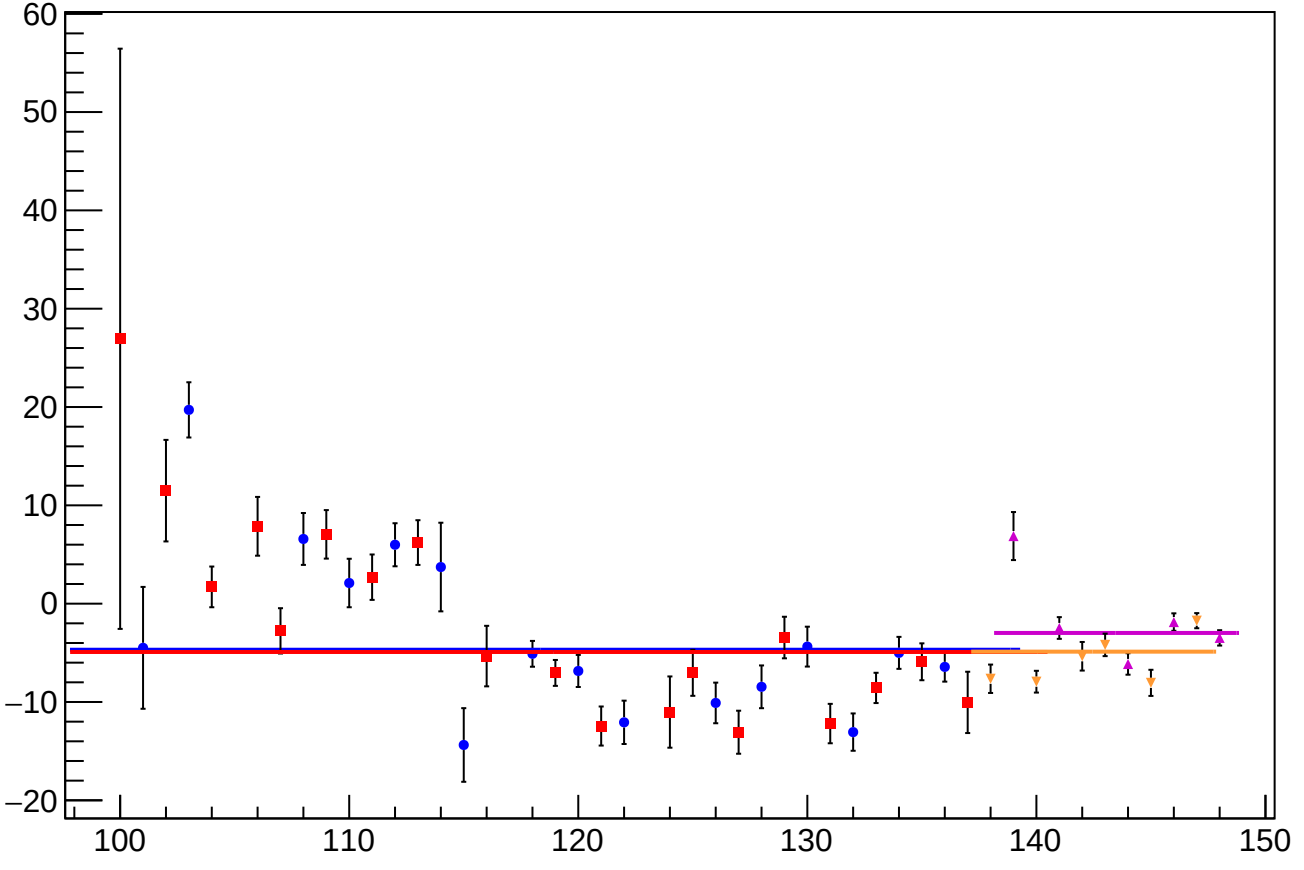
Left In: -2.093+/-0.670 χ^2/NDF:100.0/4

\+ sign -6.344+/-0.391 χ^2/NDF: 763.6/21

All: -7.883+/-0.276 χ^2/NDF: 1496.4/45

\- sign -9.414+/-0.390 χ^2/NDF: 701.9/23

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

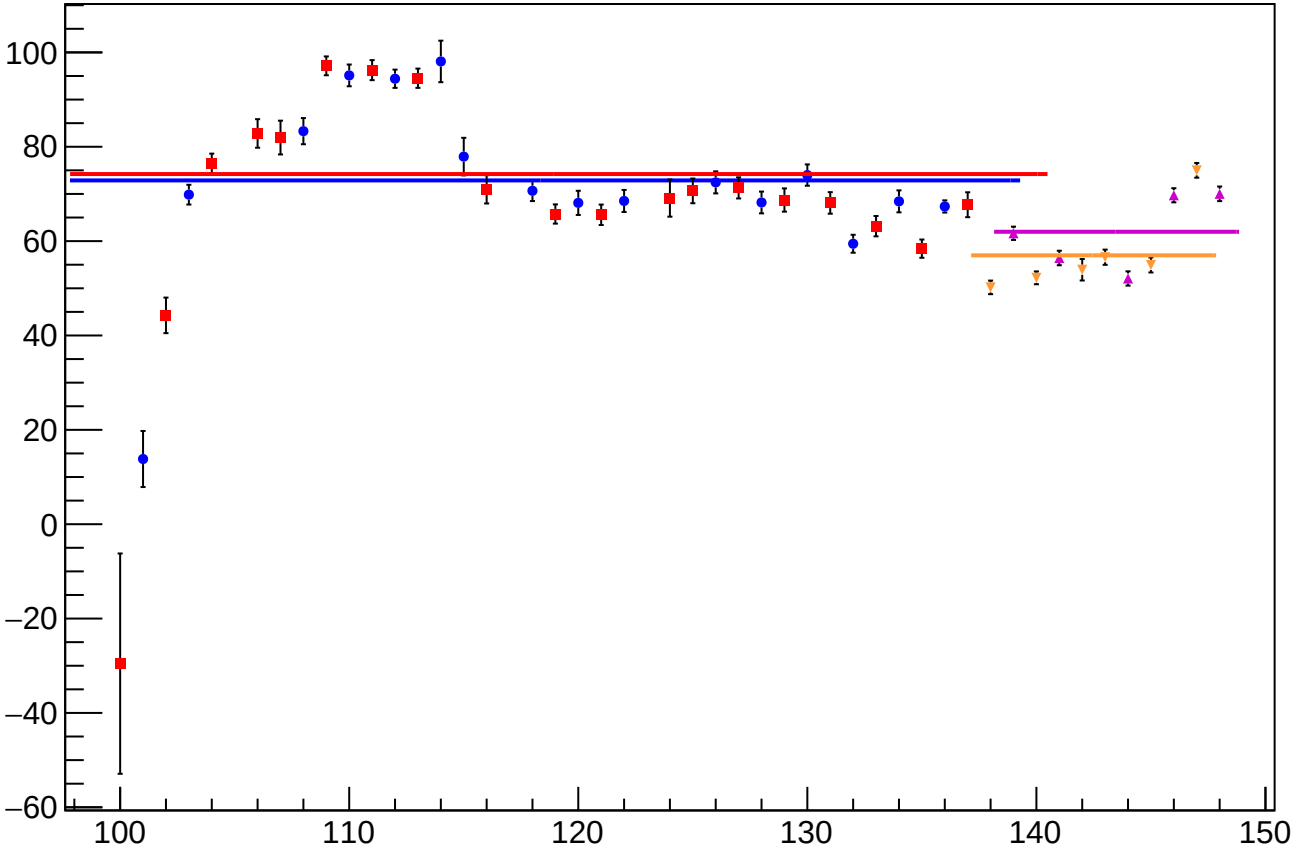
Left In: -2.978+/-0.459 χ^2/NDF:26.8/4

+ sign -4.795+/-0.342 χ^2/NDF: 213.3/21

All: -4.317+/-0.242 χ^2/NDF: 407.8/45

- sign -3.840+/-0.342 χ^2/NDF: 190.6/23

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

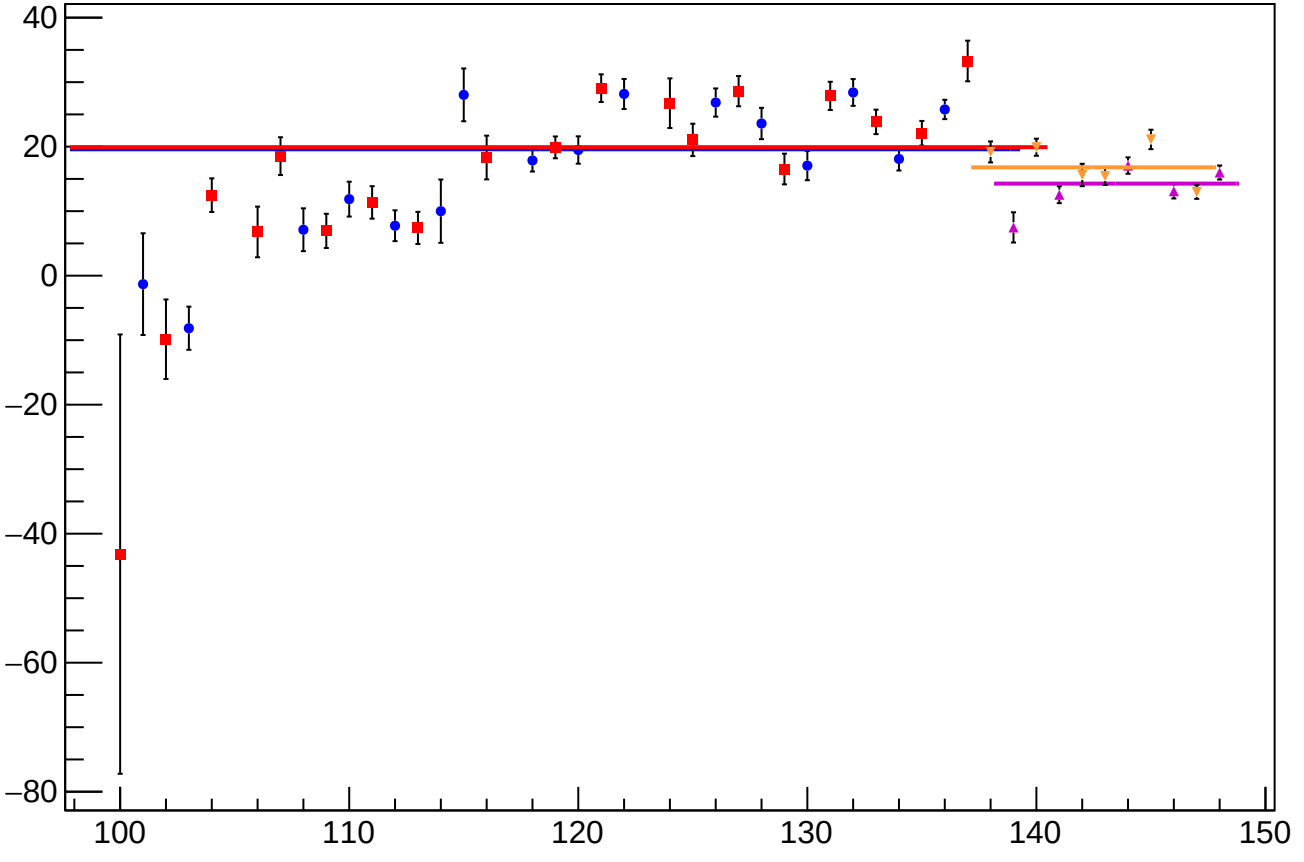
Left In: 61.983+/-0.671 χ^2/NDF:109.3/4

+ sign 65.966+/-0.425 χ^2/NDF: 964.7/21

All: 67.546+/-0.303 χ^2/NDF: 1883.5/45

- sign 69.169+/-0.431 χ^2/NDF: 890.8/23

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

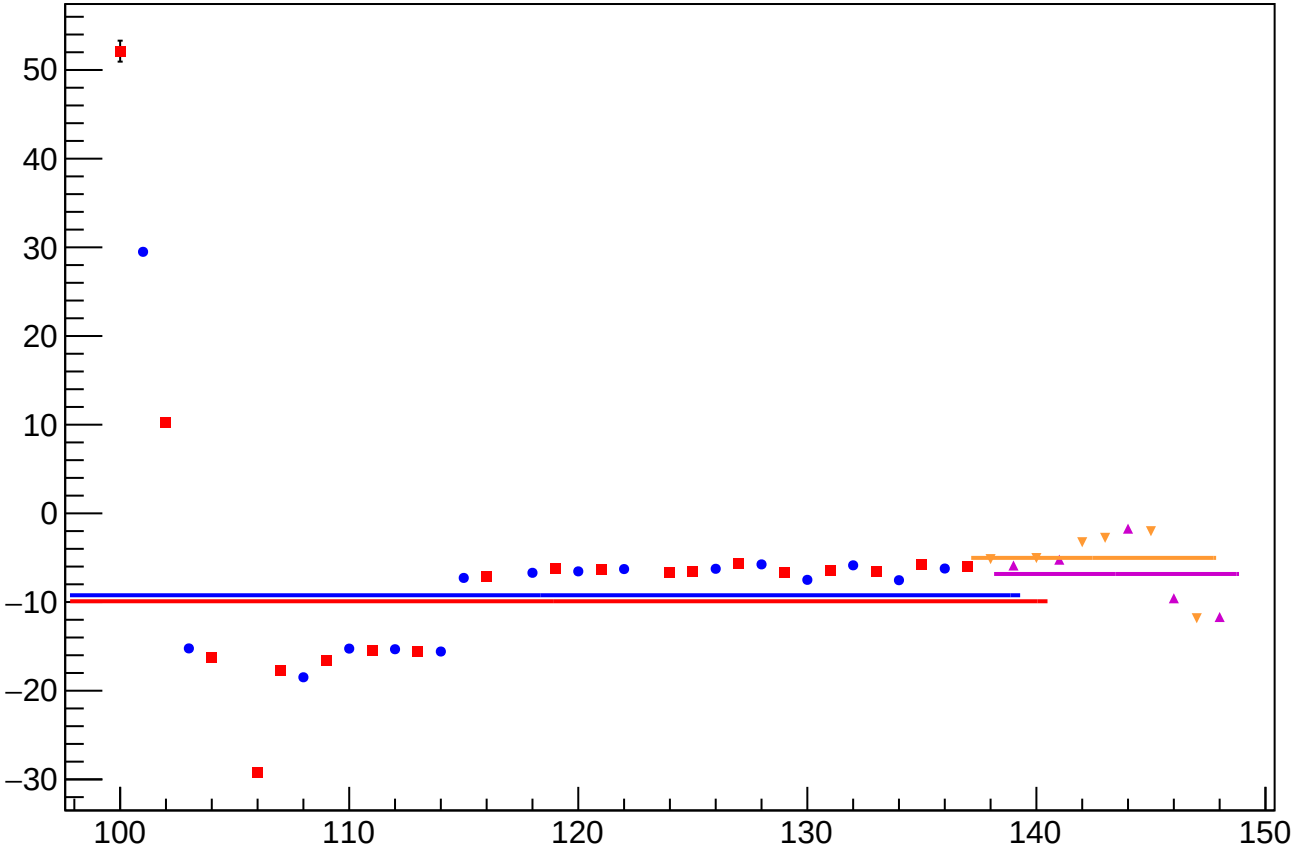
Left In: 14.272+/-0.576 χ^2/NDF:18.5/4

\+ sign 18.138+/-0.405 χ^2/NDF: 238.6/21

All: 17.602+/-0.288 χ^2/NDF: 489.2/45

\- sign 17.051+/-0.411 χ^2/NDF: 247.1/23

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

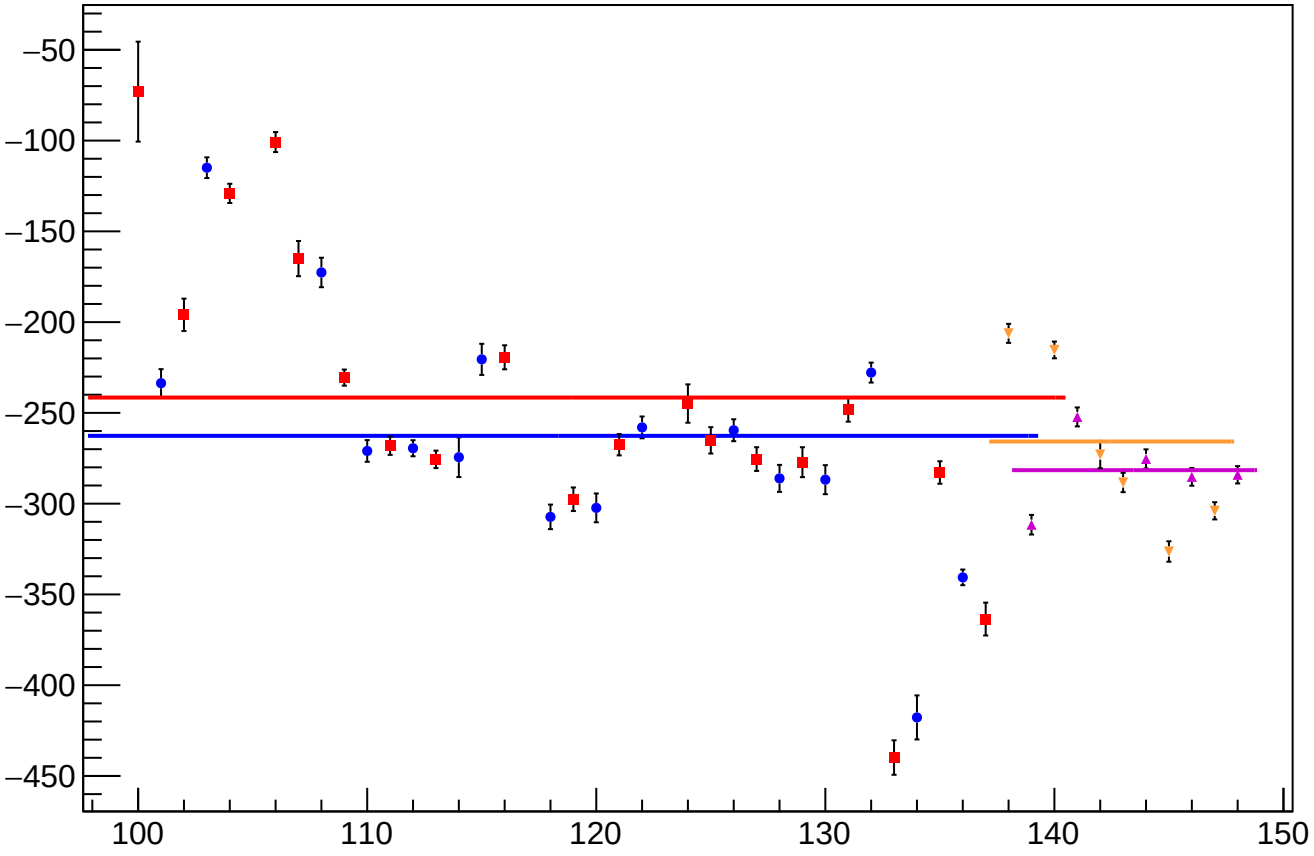
Left In: -6.835+/-0.027 χ^2/NDF:14513.8/4

+ sign -6.709+/-0.021 χ^2/NDF: 54490.8/21

All: -7.345+/-0.015 χ^2/NDF: 129718.6/45

- sign -8.013+/-0.021 χ^2/NDF: 73308.3/23

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

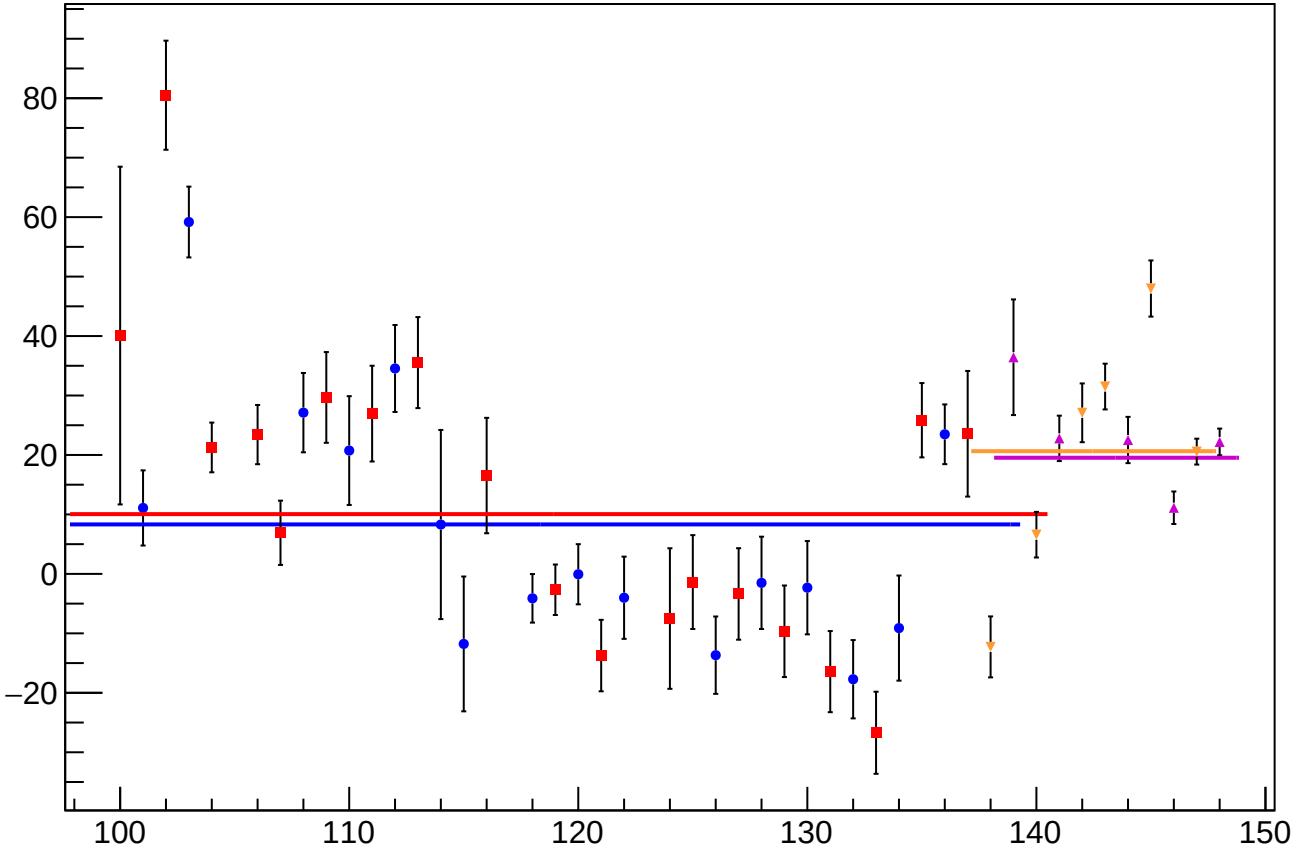
Left In: -281.547+/-2.280 χ^2/NDF:64.7/4

+ sign -263.752+/-1.295 χ^2/NDF: 1903.6/21

All: -258.574+/-0.902 χ^2/NDF: 4352.1/45

- sign -253.701+/-1.257 χ^2/NDF: 2417.5/23

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

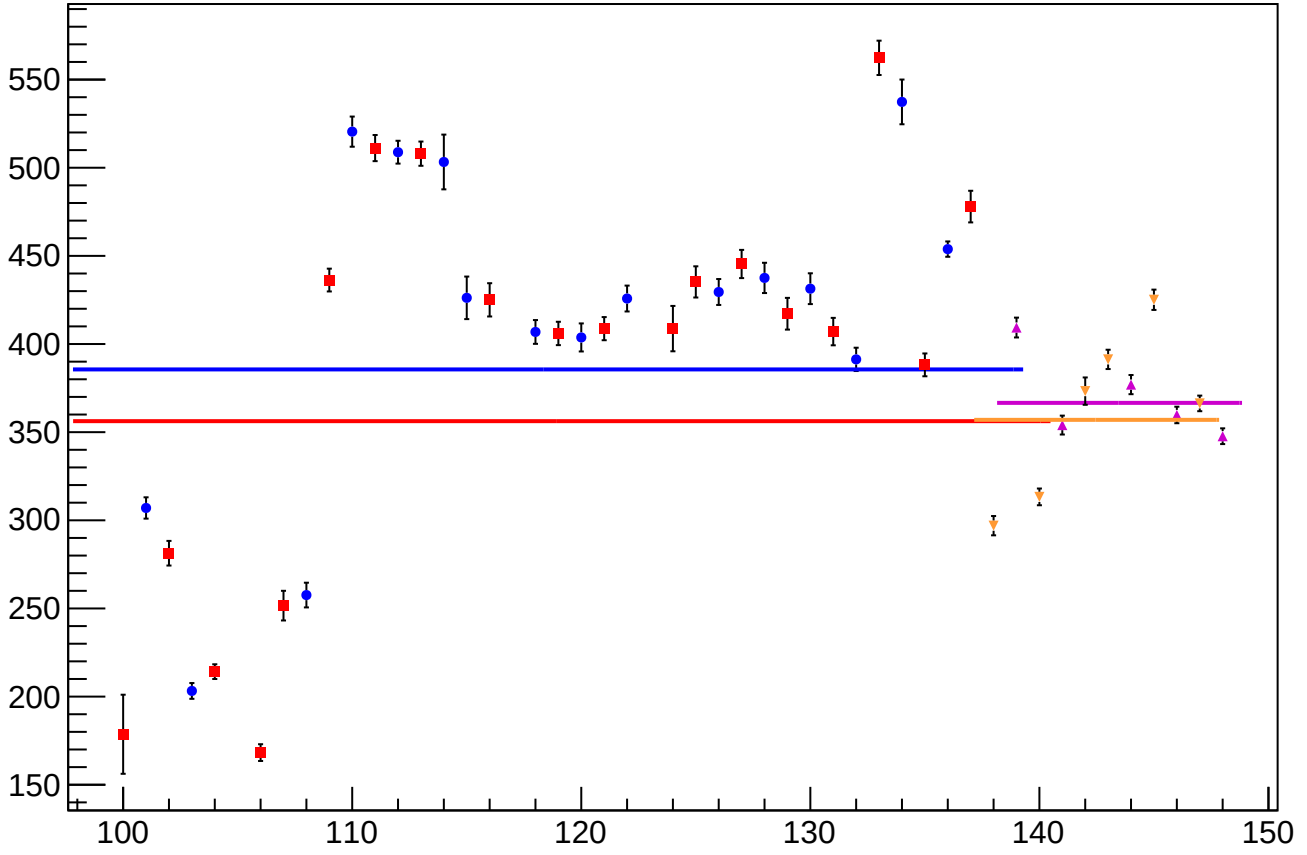
Left In: 19.535+/-1.447 χ^2/NDF:15.2/4

+ sign 15.213+/-1.091 χ^2/NDF: 286.9/21

All: 15.146+/-0.758 χ^2/NDF: 509.7/45

- sign 15.083+/-1.054 χ^2/NDF: 222.8/23

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

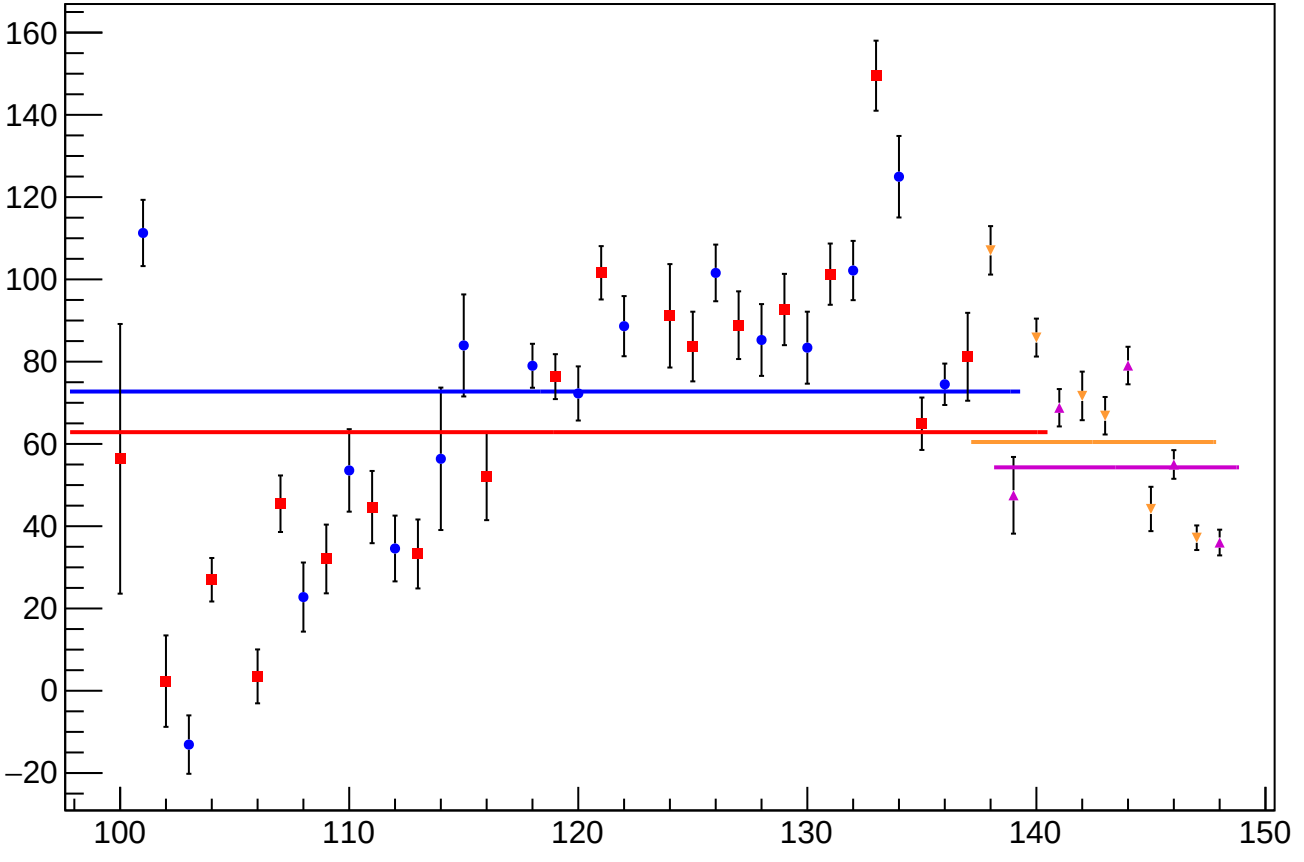
Left In: 366.619+/-2.259 χ^2/NDF:86.9/4

+ sign 374.486+/-1.363 χ^2/NDF: 3870.8/21

All: 366.990+/-0.952 χ^2/NDF: 9300.8/45

- sign 359.844+/-1.331 χ^2/NDF: 5370.9/23

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

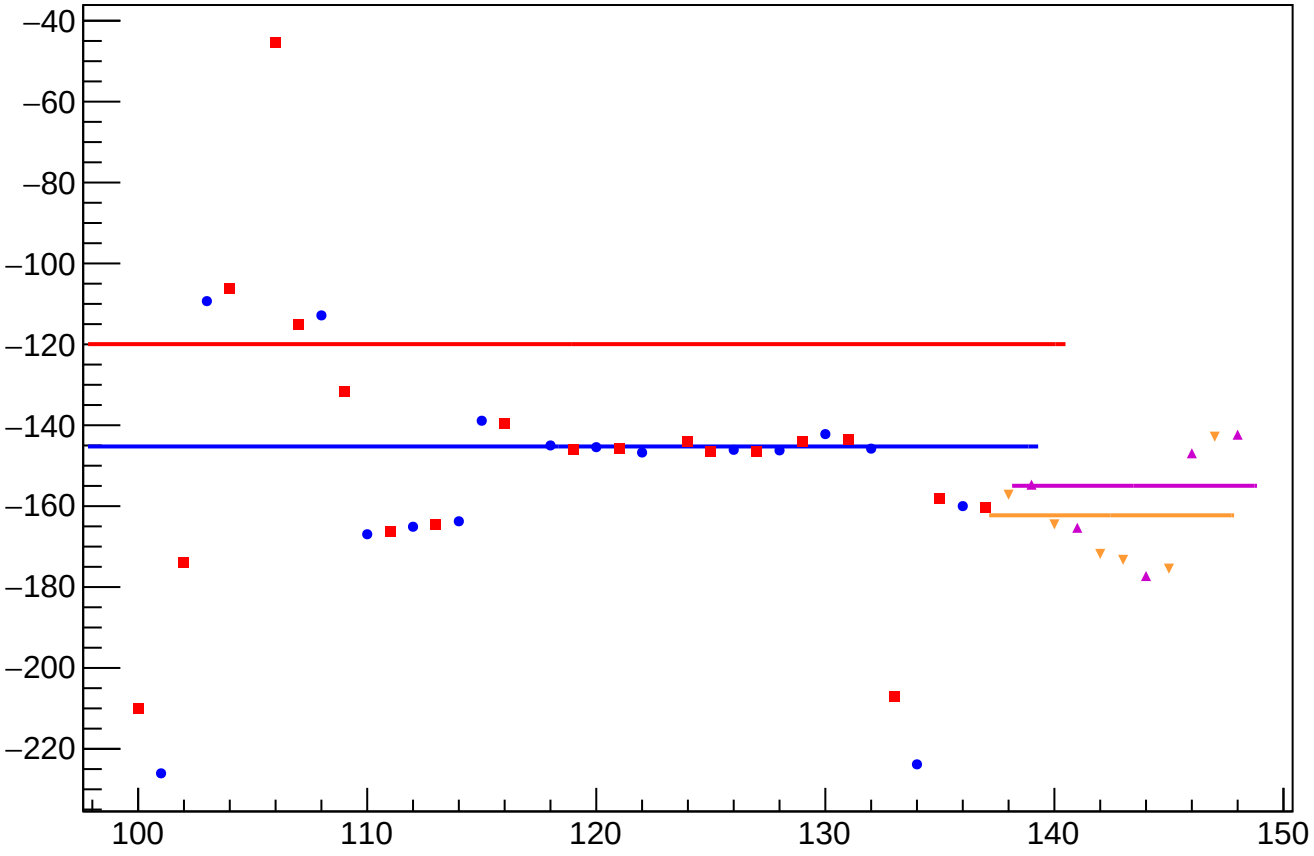
Left In: 54.309+/-1.849 χ^2/NDF:74.3/4

+ sign 66.381+/-1.317 χ^2/NDF: 494.1/21

All: 62.462+/-0.921 χ^2/NDF: 1000.4/45

- sign 58.713+/-1.288 χ^2/NDF: 488.9/23

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

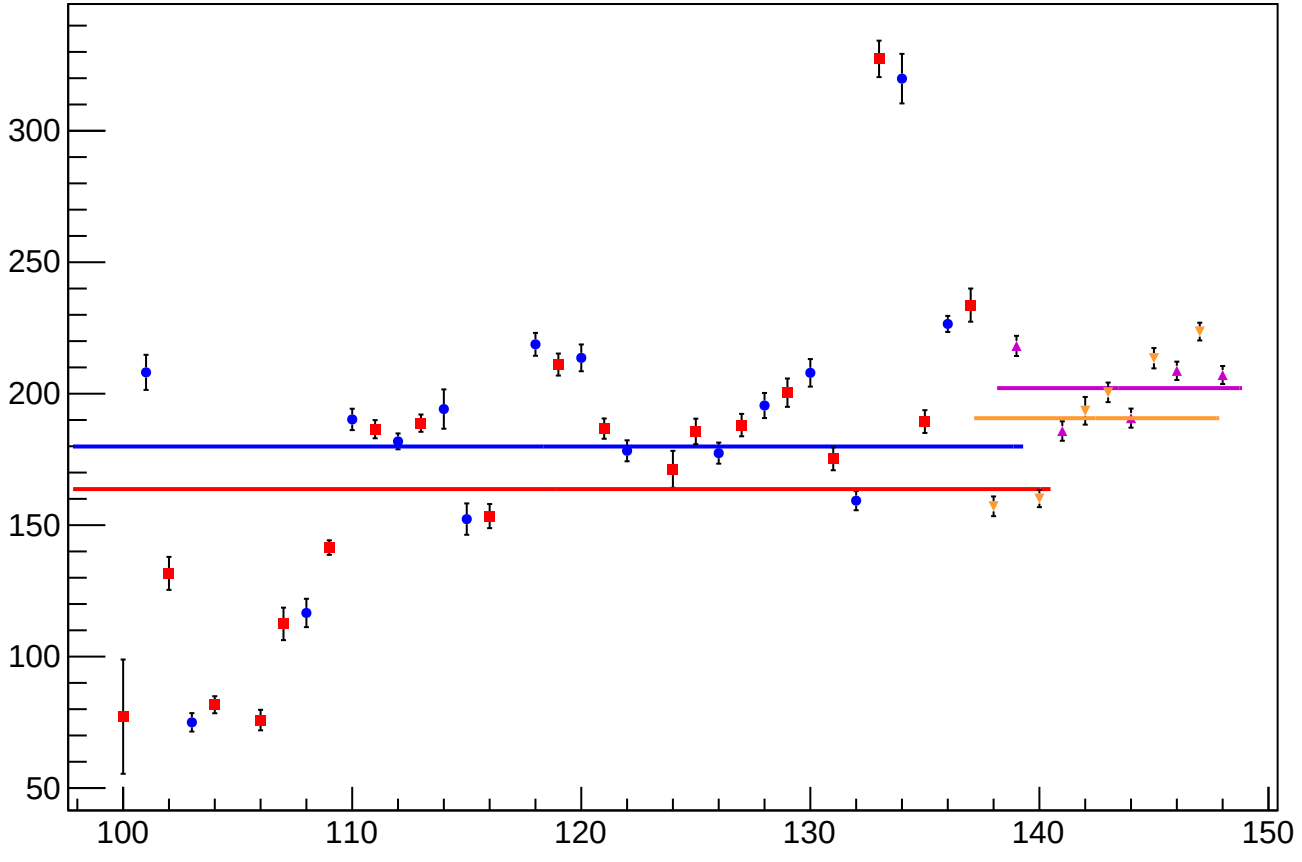
Left In: -154.963+/-0.092 χ^2/NDF:17113.1/4

+ sign -154.279+/-0.067 χ^2/NDF: 164929.4/21

All: -145.110+/-0.046 χ^2/NDF: 562328.2/45

- sign -136.826+/-0.064 χ^2/NDF: 362136.6/23

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

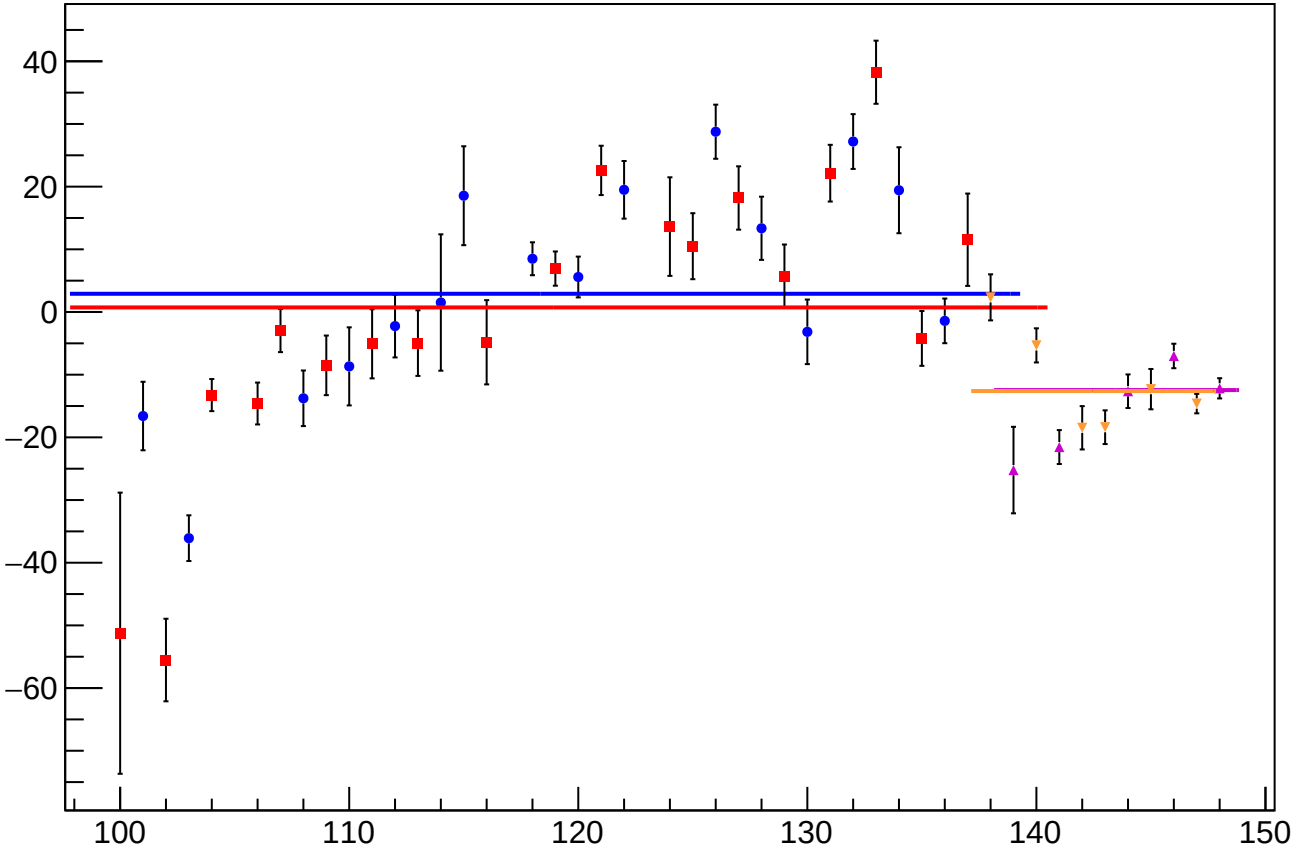
Left In: 202.128+/-1.614 χ^2/NDF:52.5/4

+ sign 183.534+/-0.887 χ^2/NDF: 2069.6/21

All: 178.766+/-0.614 χ^2/NDF: 5003.3/45

- sign 174.382+/-0.851 χ^2/NDF: 2878.3/23

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

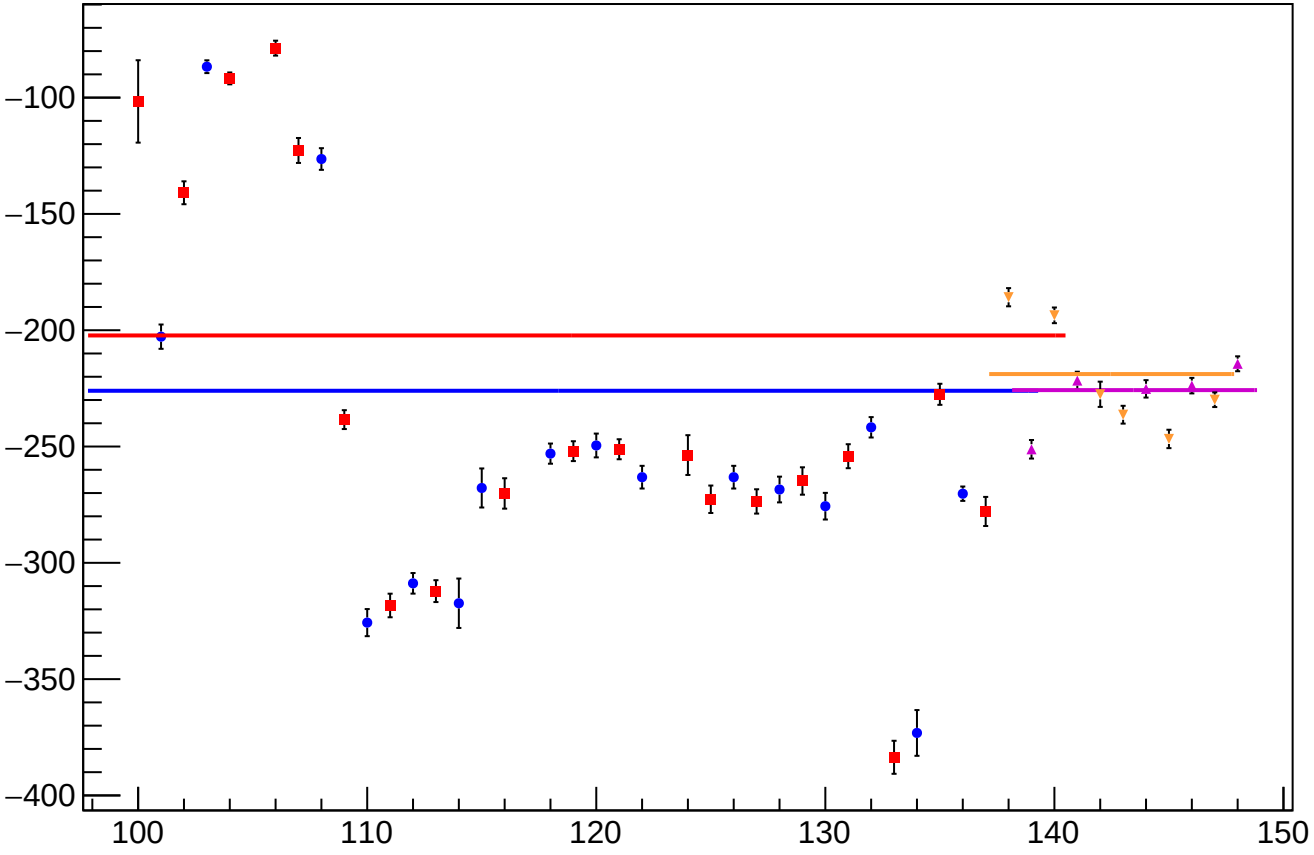
Left In: -12.455+/-1.030 χ^2/NDF:22.5/4

+ sign -5.392+/-0.753 χ^2/NDF: 385.9/21

All: -5.578+/-0.521 χ^2/NDF: 765.5/45

- sign -5.749+/-0.722 χ^2/NDF: 379.5/23

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

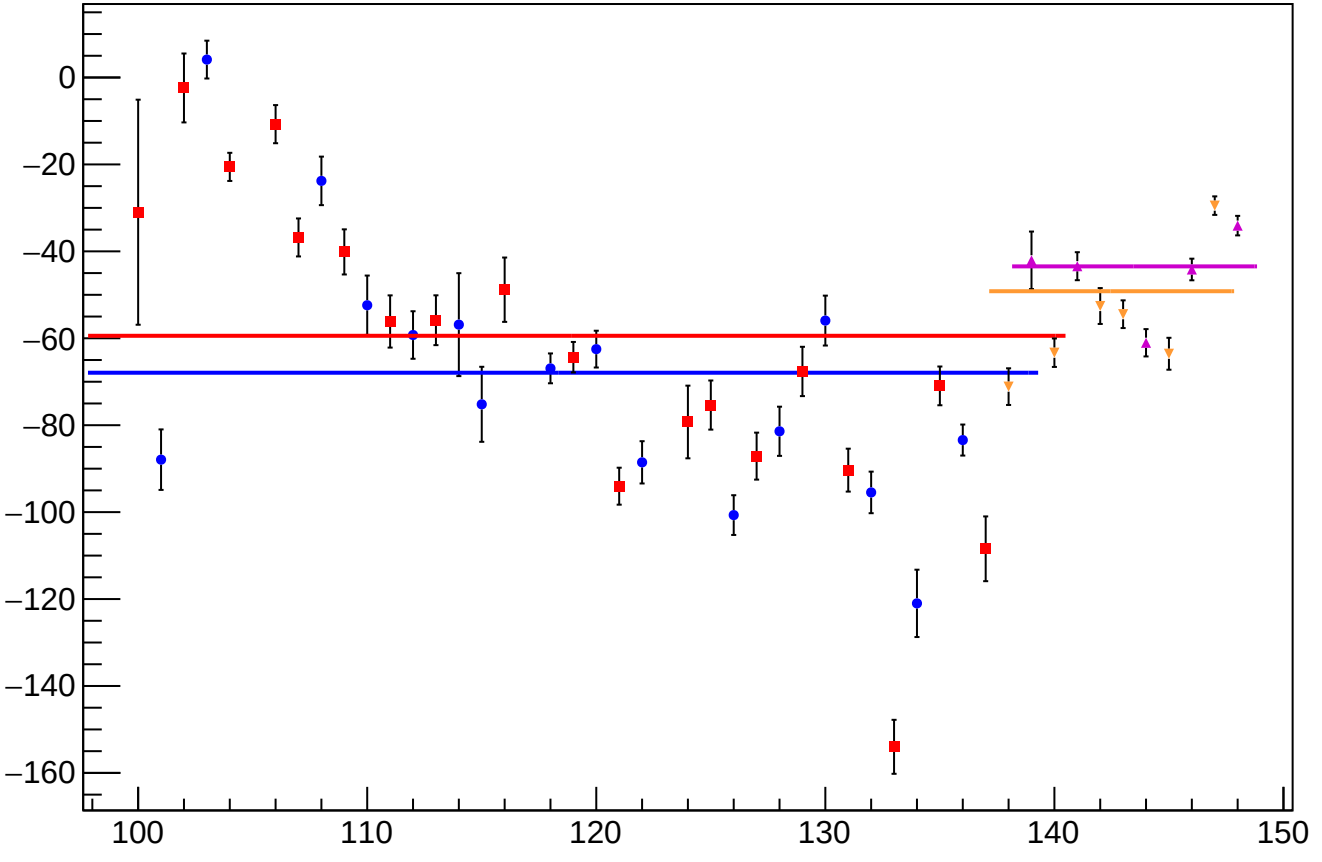
Left In: -225.745+/-1.601 χ^2/NDF:54.6/4

+ sign -223.390+/-0.935 χ^2/NDF: 4765.6/21

All: -216.261+/-0.648 χ^2/NDF: 11770.4/45

- sign -209.662+/-0.899 χ^2/NDF: 6892.8/23

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

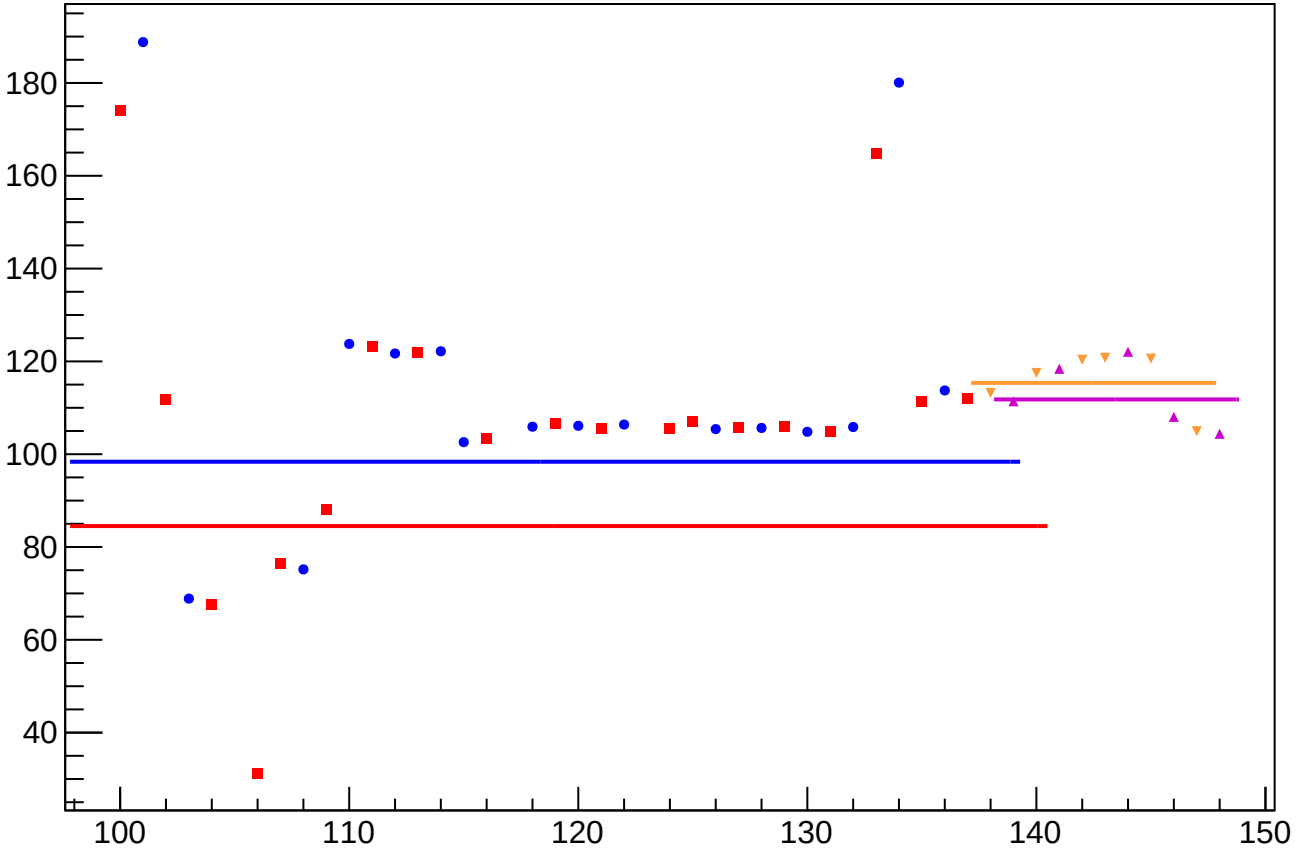
Left In: -43.458+/-1.313 χ^2/NDF:48.8/4

+ sign -58.637+/-0.908 χ^2/NDF: 790.7/21

All: -55.349+/-0.632 χ^2/NDF: 1741.3/45

- sign -52.265+/-0.879 χ^2/NDF: 925.2/23

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

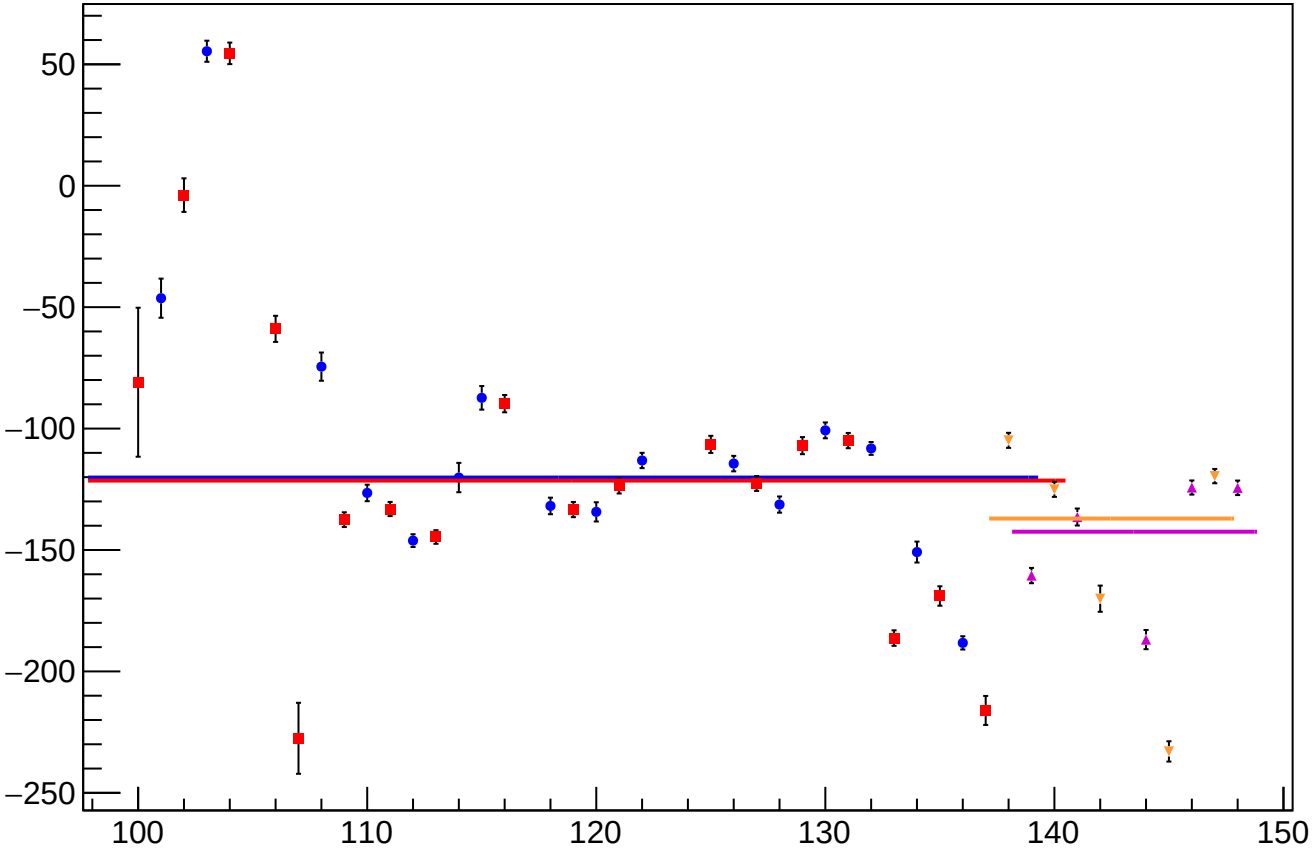
Left In: 111.802+/-0.065 χ^2/NDF:9508.4/4

\+ sign 106.987+/-0.046 χ^2/NDF: 270645.8/21

All: 101.847+/-0.032 χ^2/NDF: 666253.8/45

\- sign 97.122+/-0.044 χ^2/NDF: 372036.2/23

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

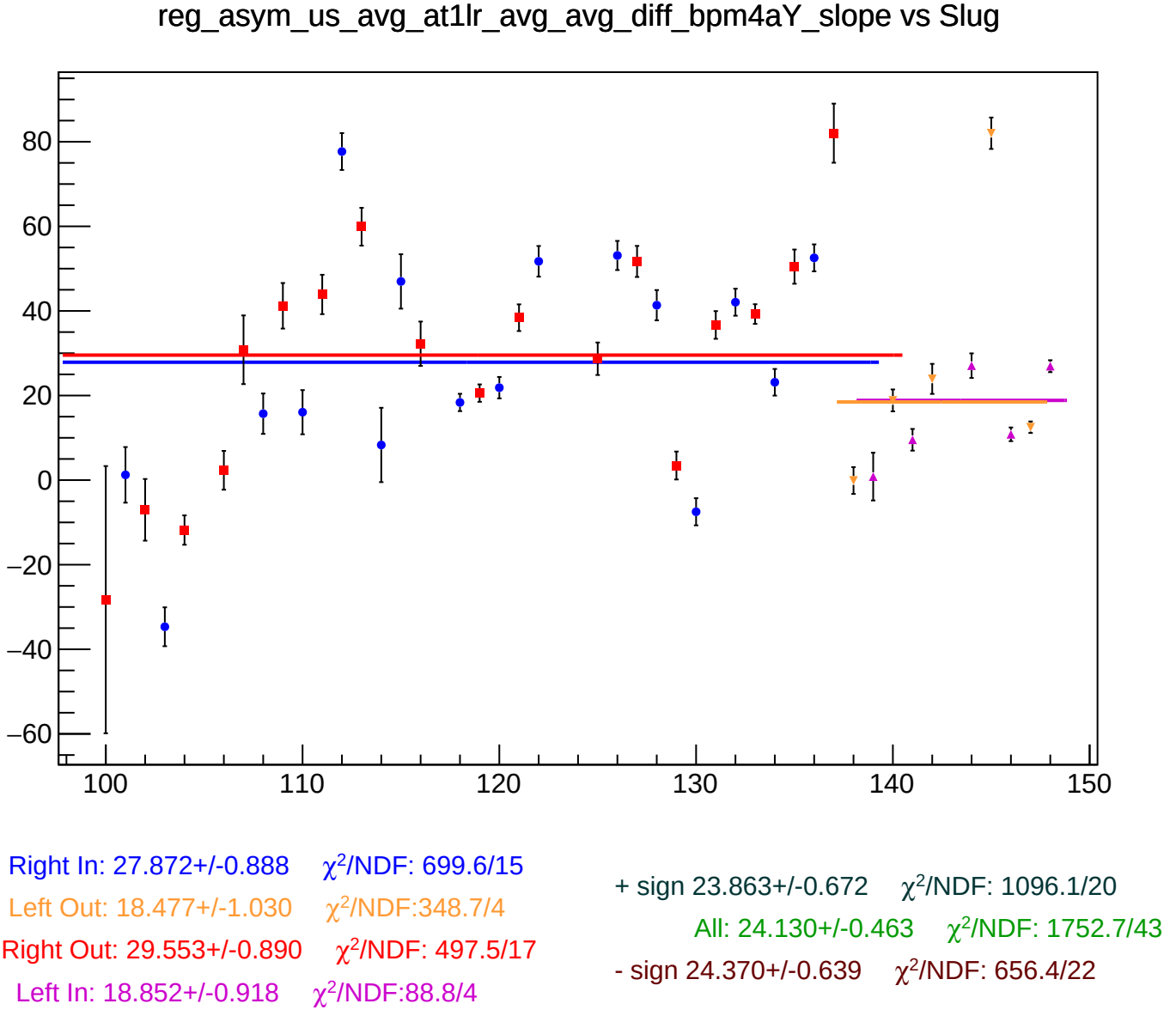
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

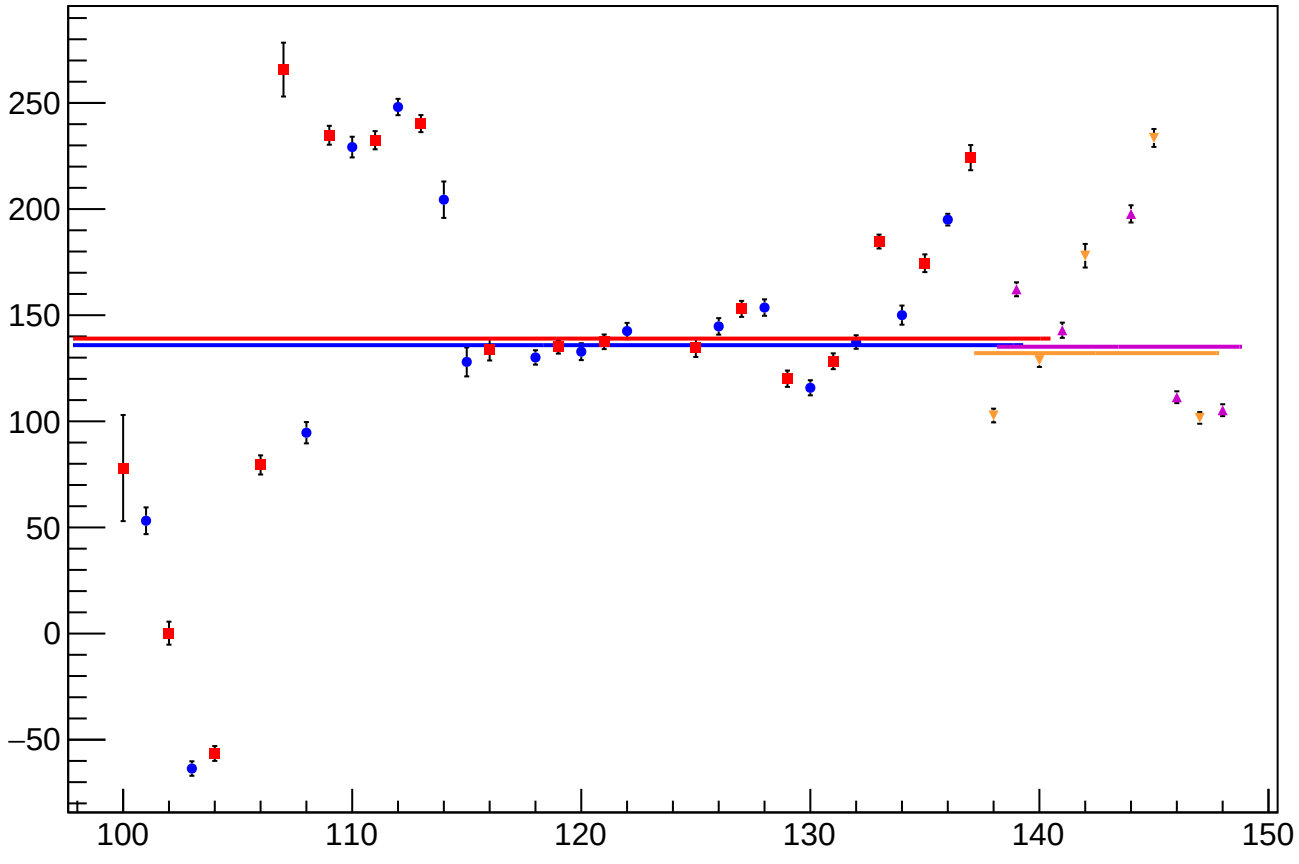
Left In: -142.468+/-1.449 χ^2/NDF:238.1/4

+ sign -124.348+/-0.773 χ^2/NDF: 3500.1/20

All: -125.740+/-0.538 χ^2/NDF: 7025.5/43

- sign -127.048+/-0.749 χ^2/NDF: 3519.1/22


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 18.477+/-1.030 χ²/NDF:348.7/4
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 18.852+/-0.918 χ²/NDF:88.8/4
+ sign 23.863+/-0.672 χ²/NDF: 1096.1/20
All: 24.130+/-0.463 χ²/NDF: 1752.7/43
- sign 24.370+/-0.639 χ²/NDF: 656.4/22



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 132.134+/-1.554 χ^2/NDF:852.2/4

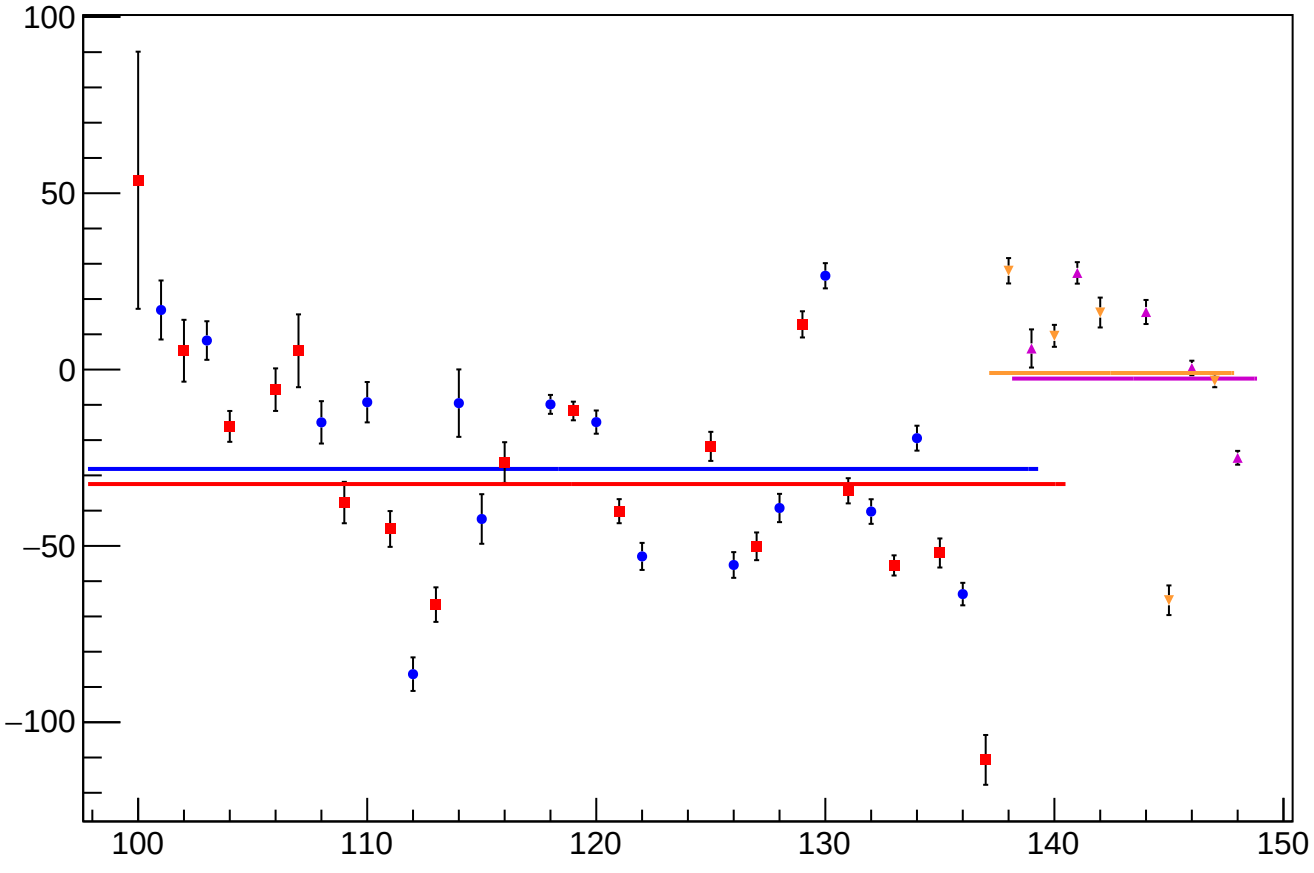
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 135.146+/-1.432 χ^2/NDF:497.0/4

+ sign 134.788+/-0.840 χ^2/NDF: 6320.0/20

All: 136.296+/-0.586 χ^2/NDF: 12984.5/43

- sign 137.730+/-0.819 χ^2/NDF: 6658.3/22



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.968+/-1.311 χ^2/NDF:329.2/4

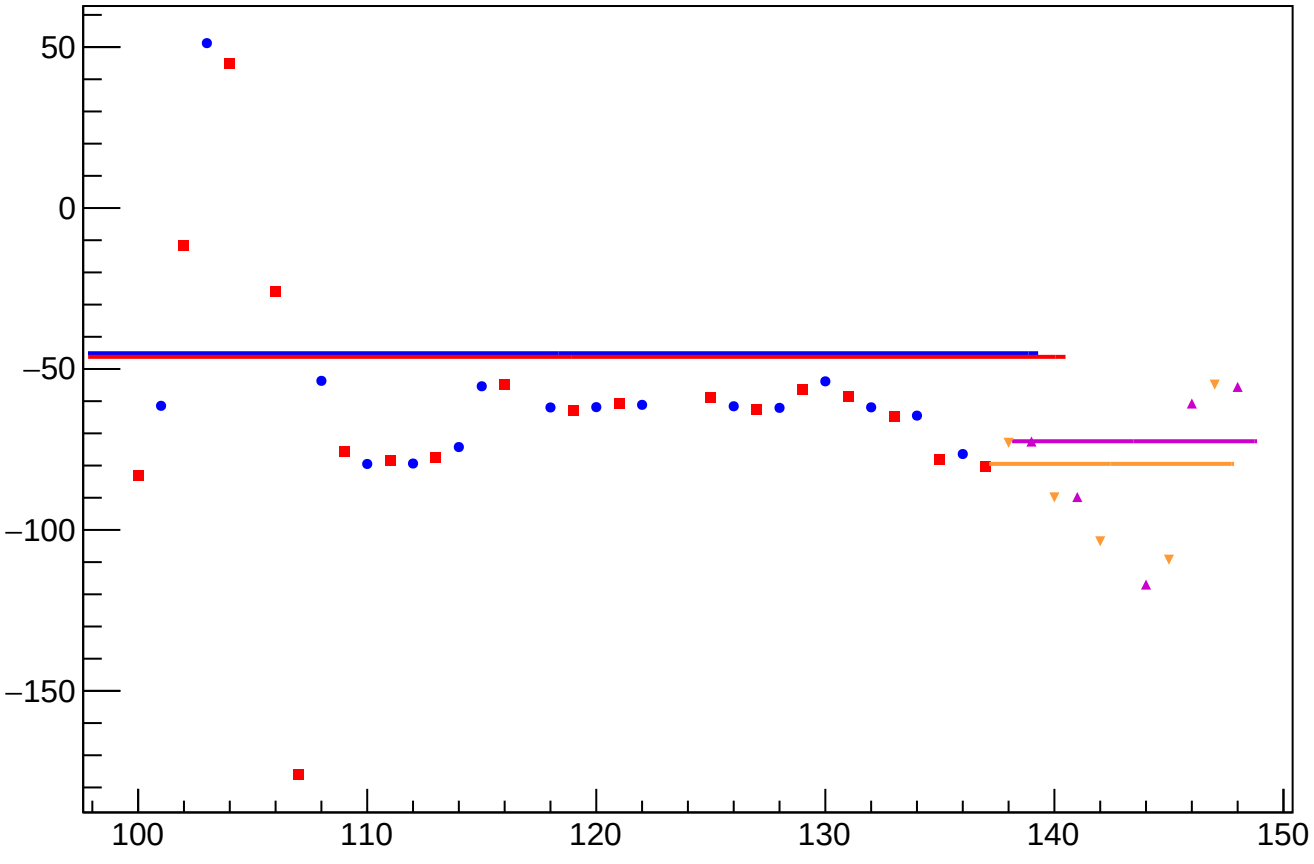
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.557+/-1.177 χ^2/NDF:263.1/4

+ sign -17.883+/-0.806 χ^2/NDF: 1388.3/20

All: -18.739+/-0.558 χ^2/NDF: 2600.8/43

- sign -19.529+/-0.774 χ^2/NDF: 1210.3/22



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

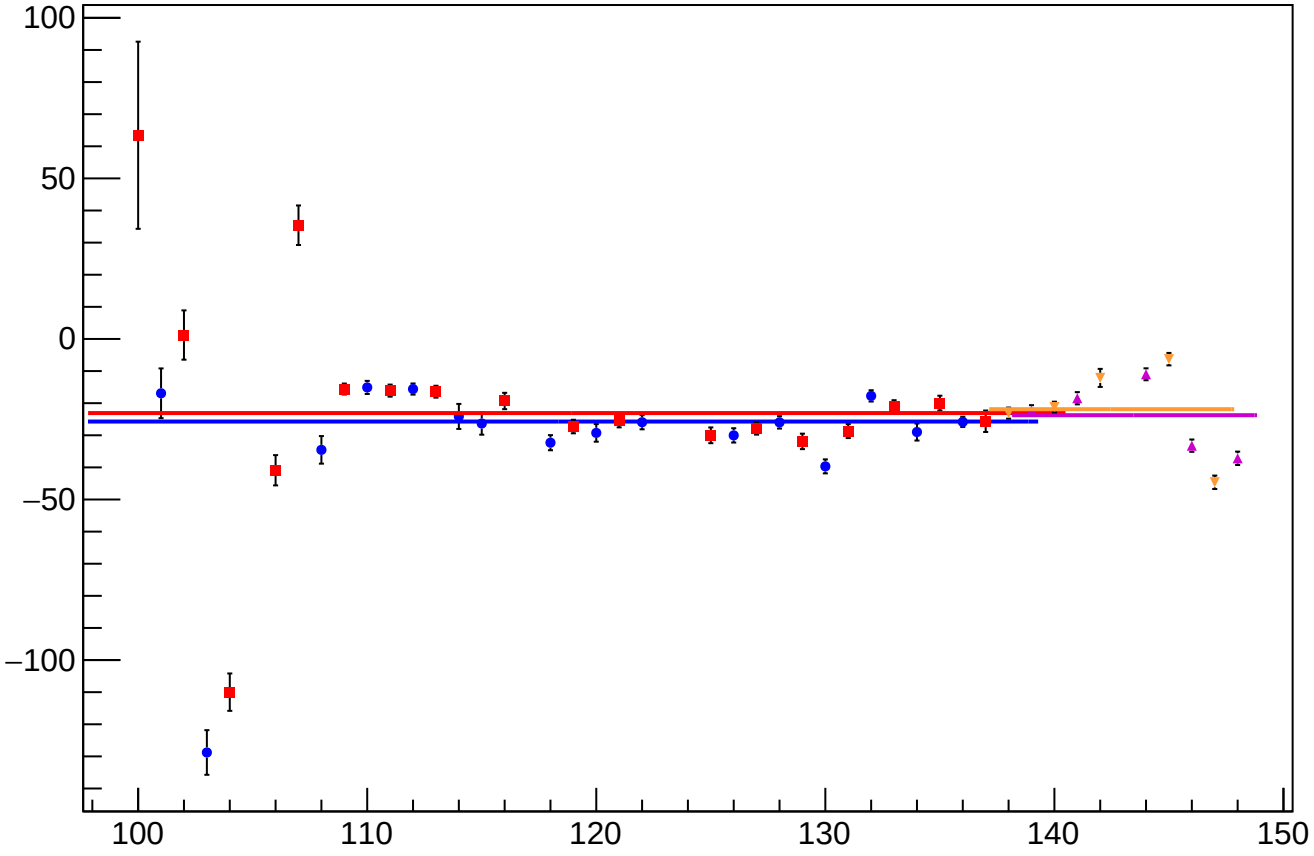
Left In: -72.450+/-0.058 χ^2/NDF:105182.1/4

+ sign -60.794+/-0.044 χ^2/NDF: 816069.7/20

All: -60.564+/-0.031 χ^2/NDF: 1509465.2/43

- sign -60.353+/-0.043 χ^2/NDF: 693343.9/22

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

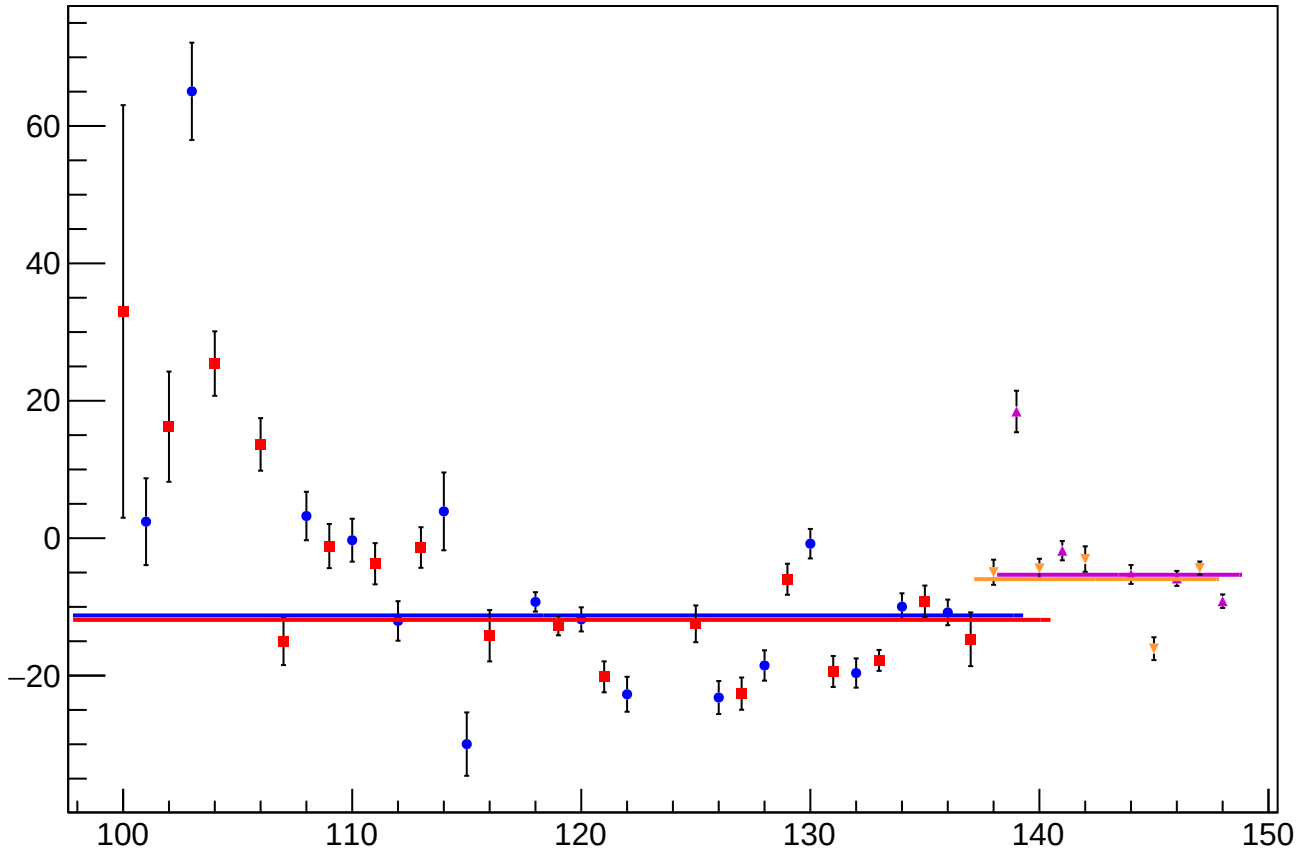
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -23.743+/-0.838 χ^2/NDF:121.3/4

+ sign -24.517+/-0.489 χ^2/NDF: 571.6/20

All: -23.892+/-0.342 χ^2/NDF: 1133.6/43

- sign -23.295+/-0.478 χ^2/NDF: 558.8/22



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.962+/-0.629 χ^2/NDF:43.7/4

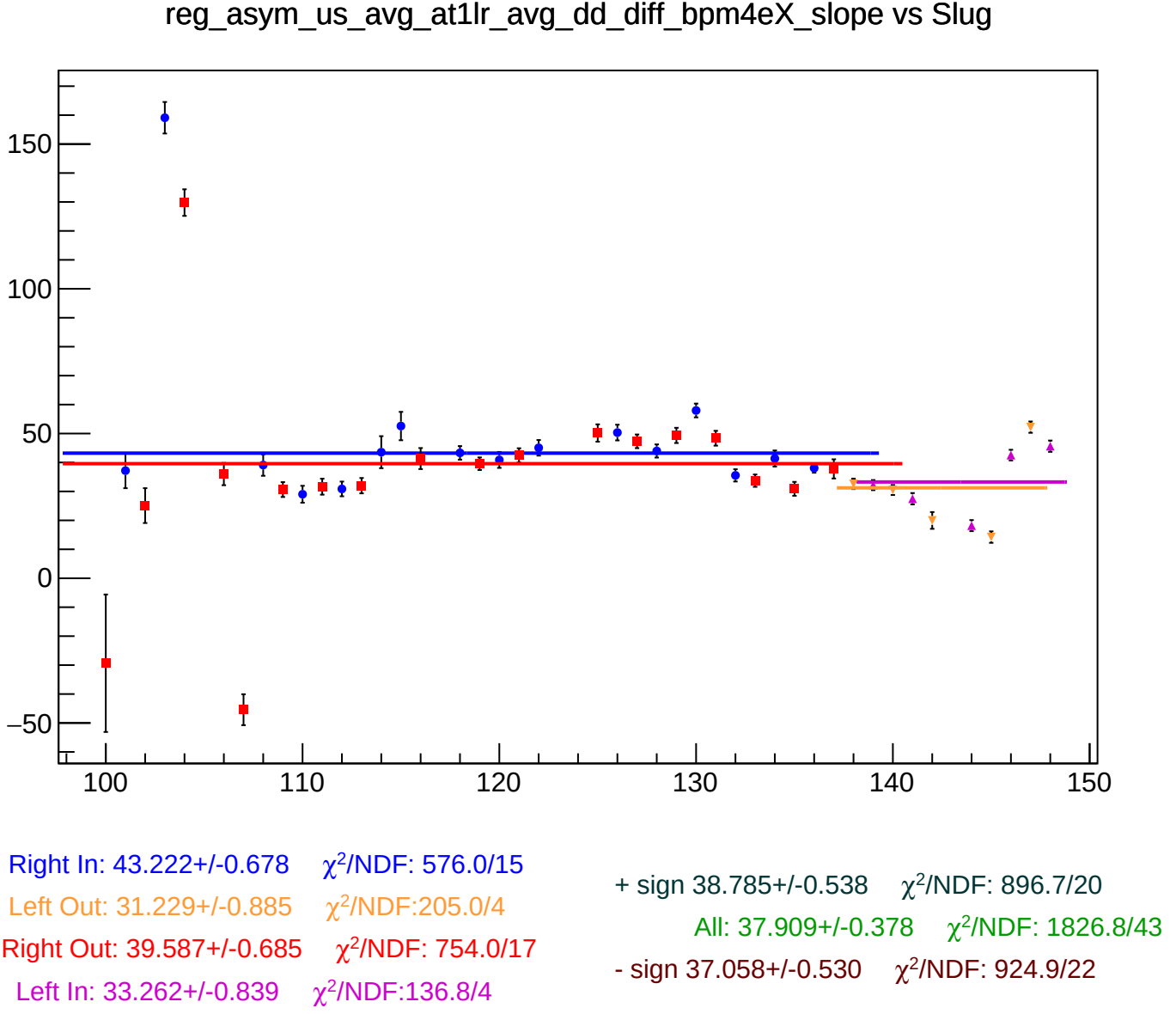
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

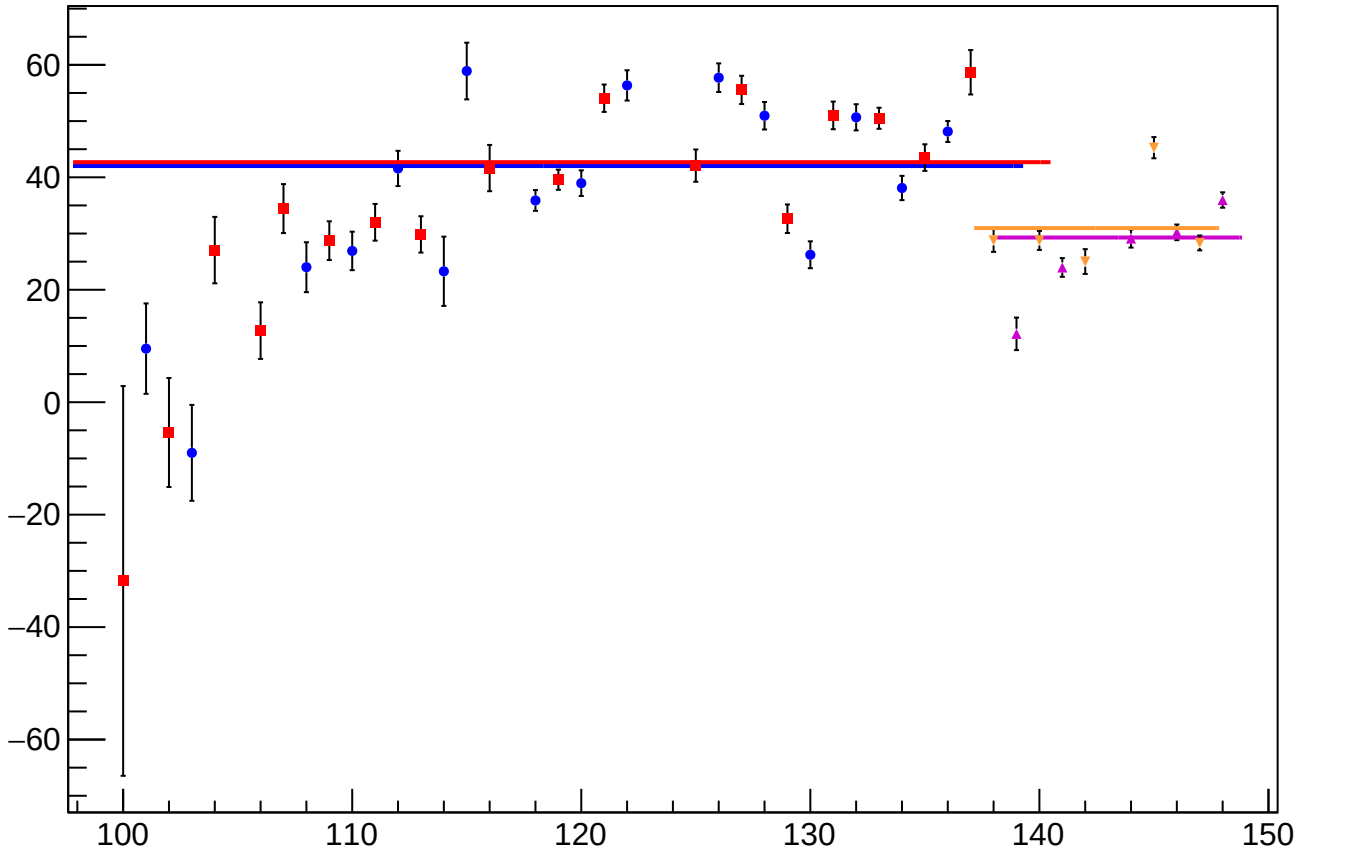
Left In: -5.324+/-0.576 χ^2/NDF:83.7/4

+ sign -8.727+/-0.434 χ^2/NDF: 351.8/20

All: -8.577+/-0.301 χ^2/NDF: 721.8/43

- sign -8.437+/-0.418 χ^2/NDF: 369.8/22


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 31.229+/-0.885 χ²/NDF:205.0/4
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 33.262+/-0.839 χ²/NDF:136.8/4
+ sign 38.785+/-0.538 χ²/NDF: 896.7/20
All: 37.909+/-0.378 χ²/NDF: 1826.8/43
- sign 37.058+/-0.530 χ²/NDF: 924.9/22



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.969+/-0.779 χ^2/NDF:71.7/4

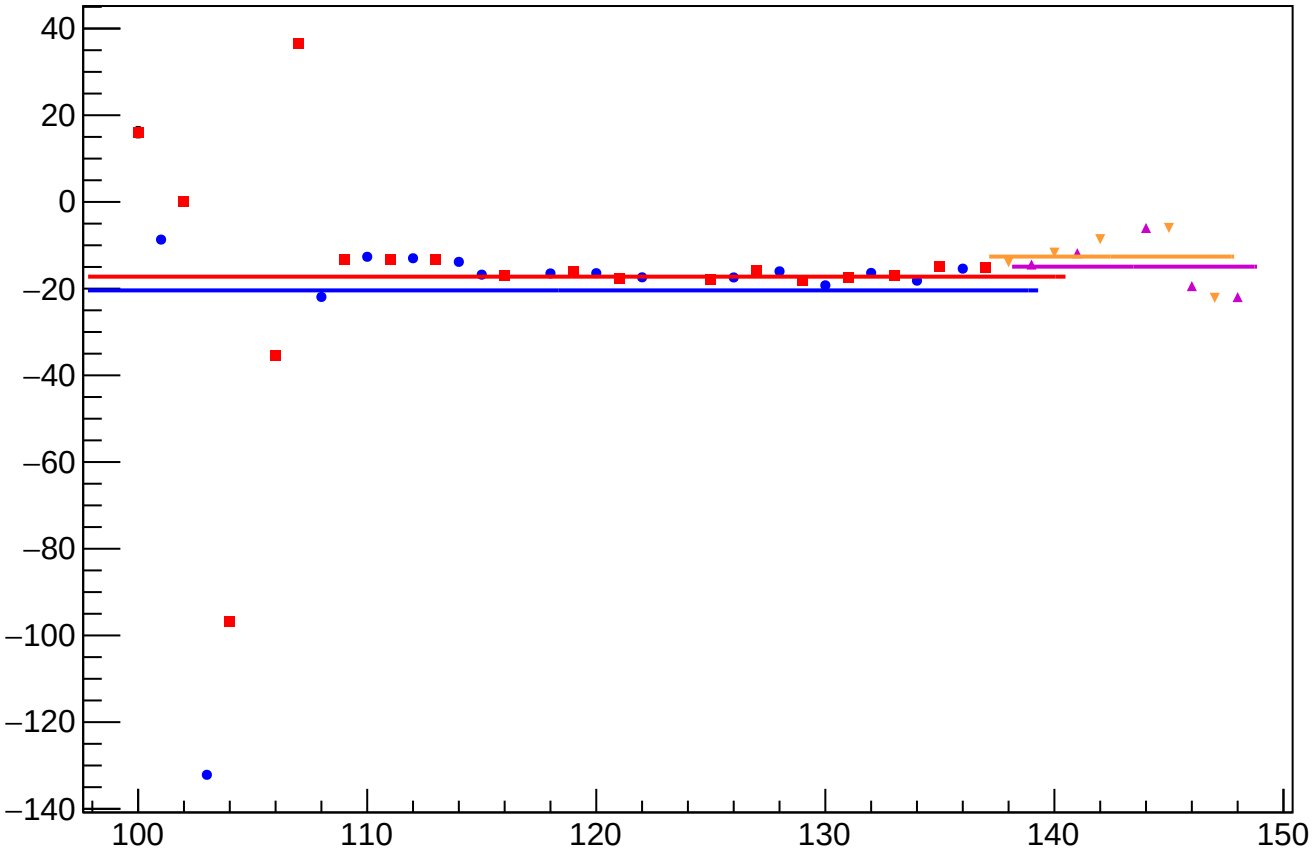
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 29.291+/-0.722 χ^2/NDF:69.4/4

+ sign 37.202+/-0.514 χ^2/NDF: 457.8/20

All: 36.715+/-0.359 χ^2/NDF: 938.3/43

- sign 36.252+/-0.501 χ^2/NDF: 478.7/22



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

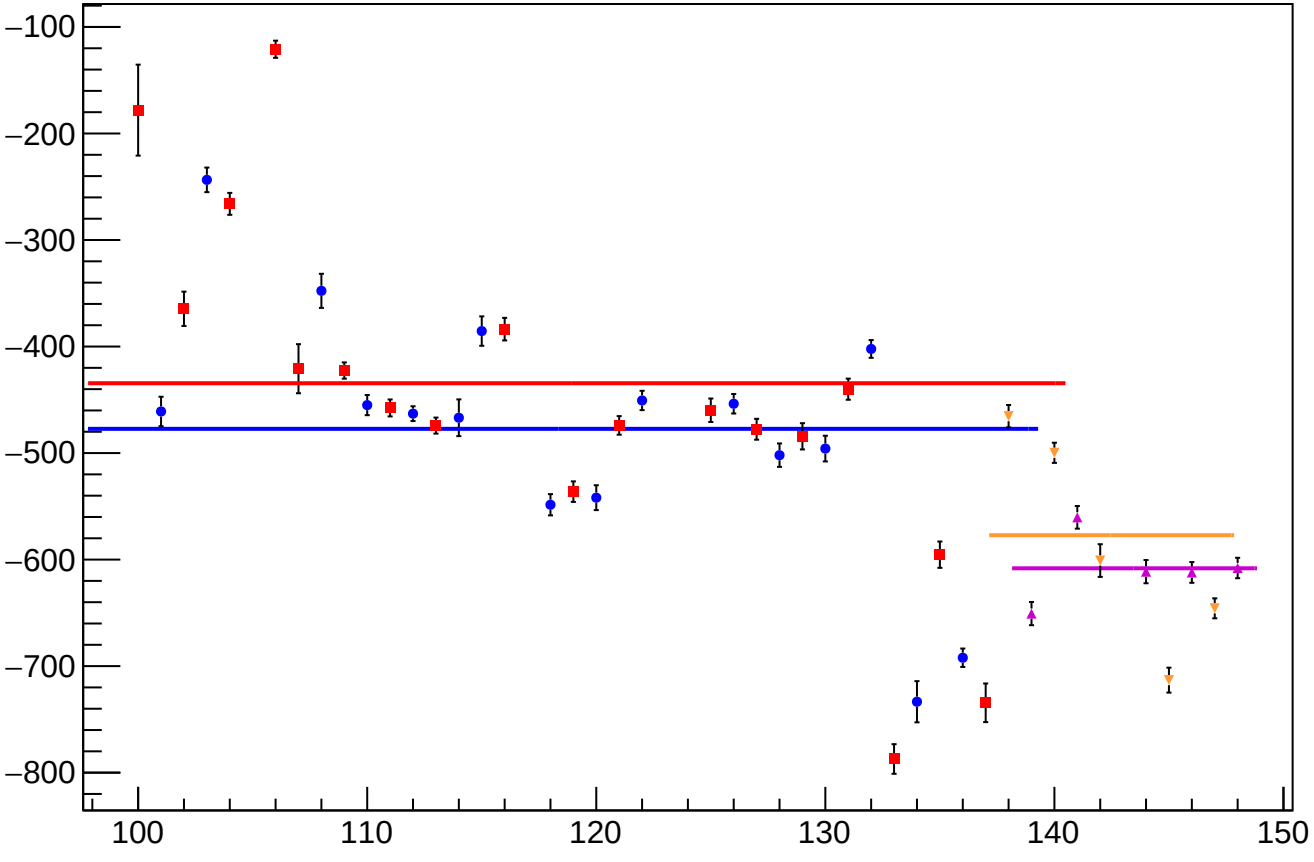
Left In: -14.928+/-0.034 χ^2/NDF:23627.7/4

+ sign -16.005+/-0.028 χ^2/NDF: 286005.3/20

All: -15.891+/-0.019 χ^2/NDF: 516046.0/43

- sign -15.784+/-0.027 χ^2/NDF: 230008.1/22

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -577.118+/-4.814 χ^2/NDF:370.8/4

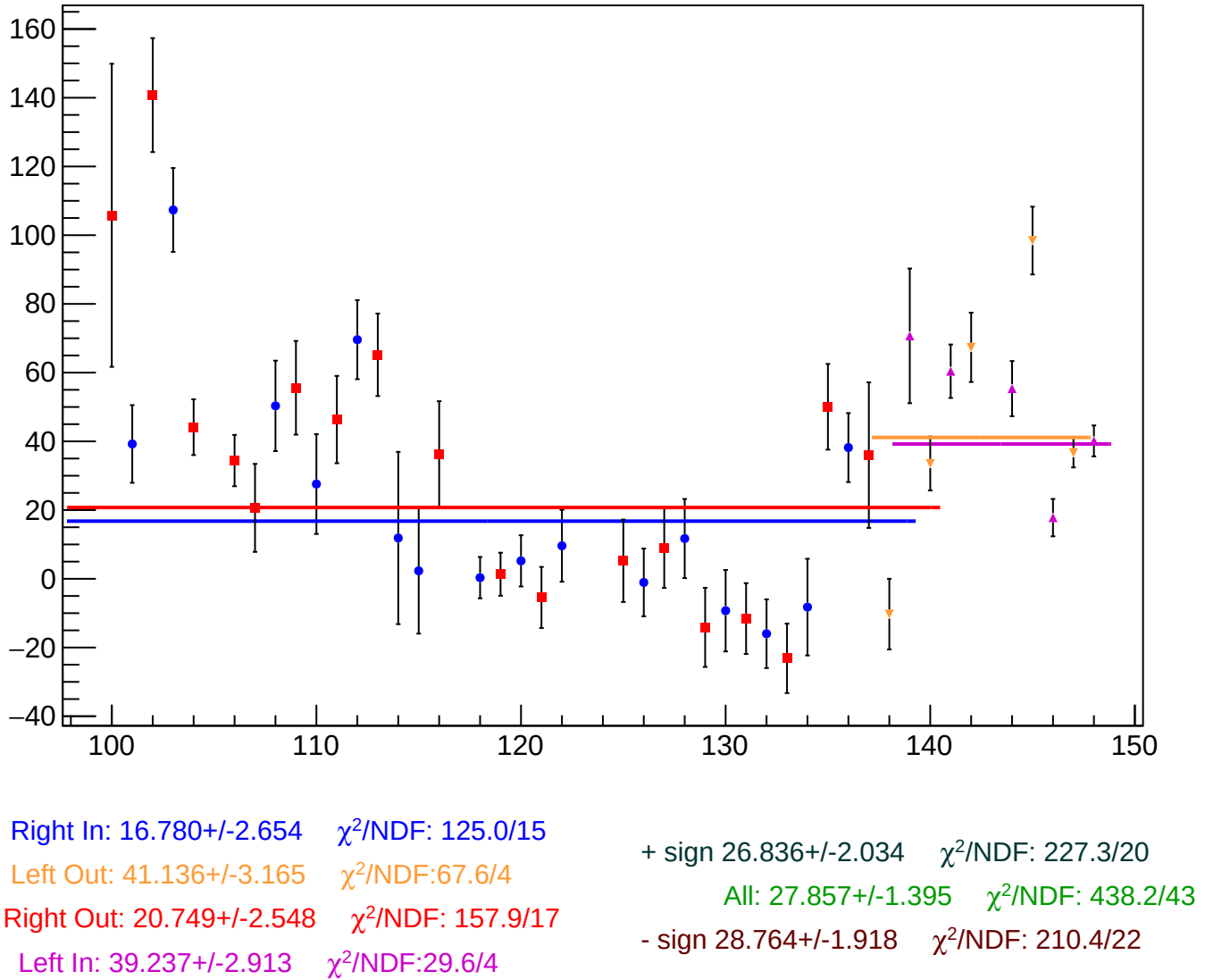
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.172+/-4.605 χ^2/NDF:35.7/4

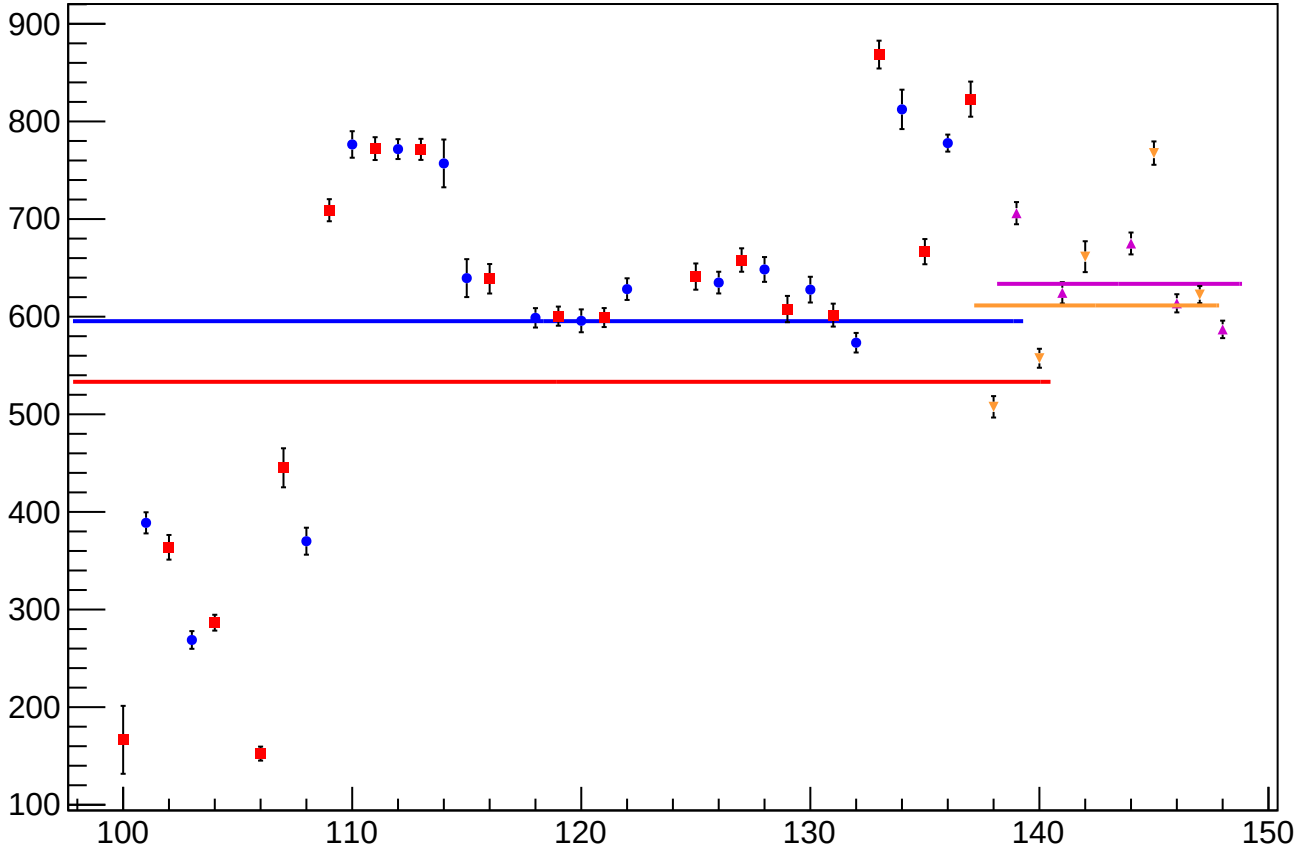
+ sign -500.253+/-2.310 χ^2/NDF: 2212.9/20

All: -485.843+/-1.583 χ^2/NDF: 6590.2/43

- sign -473.099+/-2.172 χ^2/NDF: 4304.0/22


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
160
140
120
100
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 41.136+/-3.165 χ²/NDF:67.6/4
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 39.237+/-2.913 χ²/NDF:29.6/4
+ sign 26.836+/-2.034 χ²/NDF: 227.3/20
All: 27.857+/-1.395 χ²/NDF: 438.2/43
- sign 28.764+/-1.918 χ²/NDF: 210.4/22

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

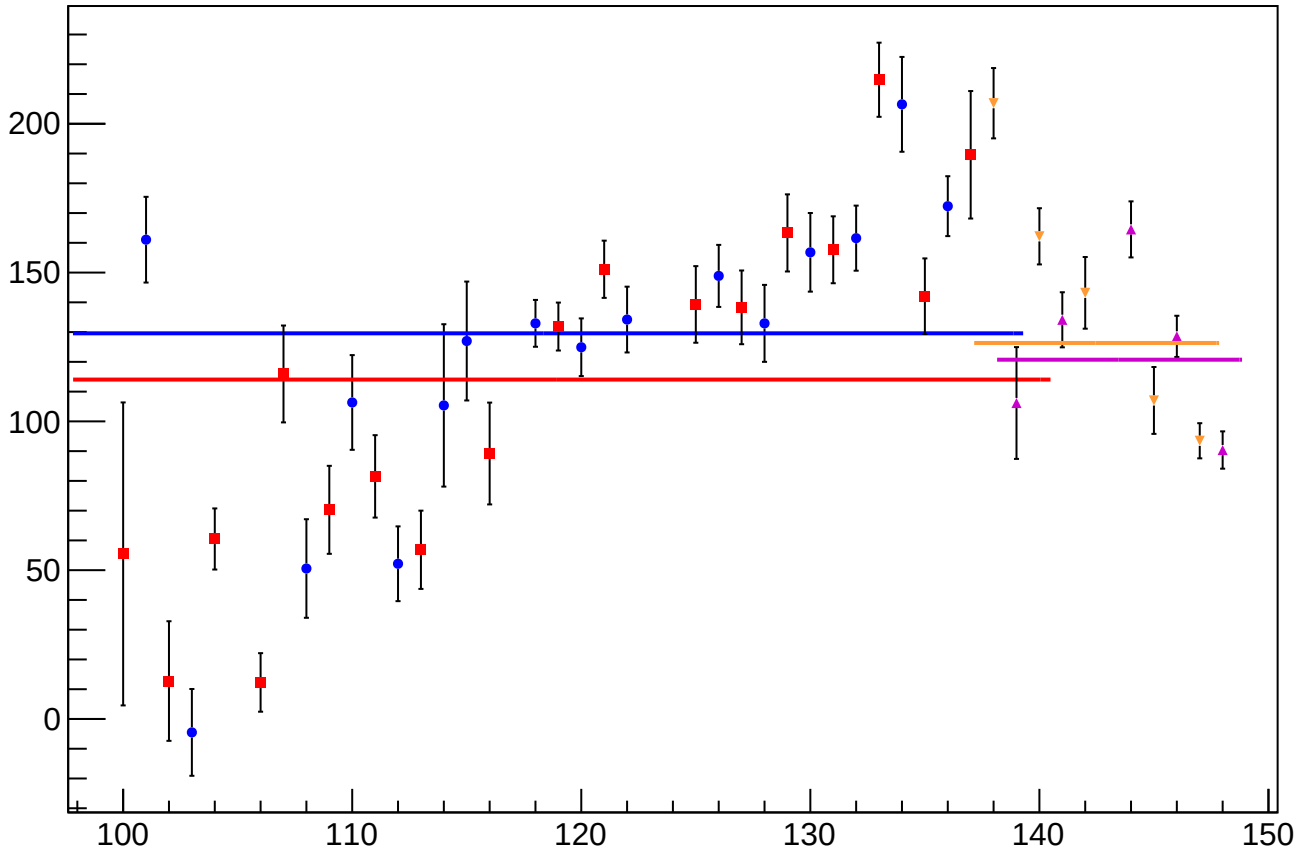
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 633.637+/-4.560 χ^2/NDF:86.6/4

+ sign 599.746+/-2.504 χ^2/NDF: 3370.2/20

All: 578.629+/-1.714 χ^2/NDF: 10449.0/43

- sign 559.993+/-2.352 χ^2/NDF: 6945.0/22



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 126.348+/-4.021 χ^2/NDF:96.8/4

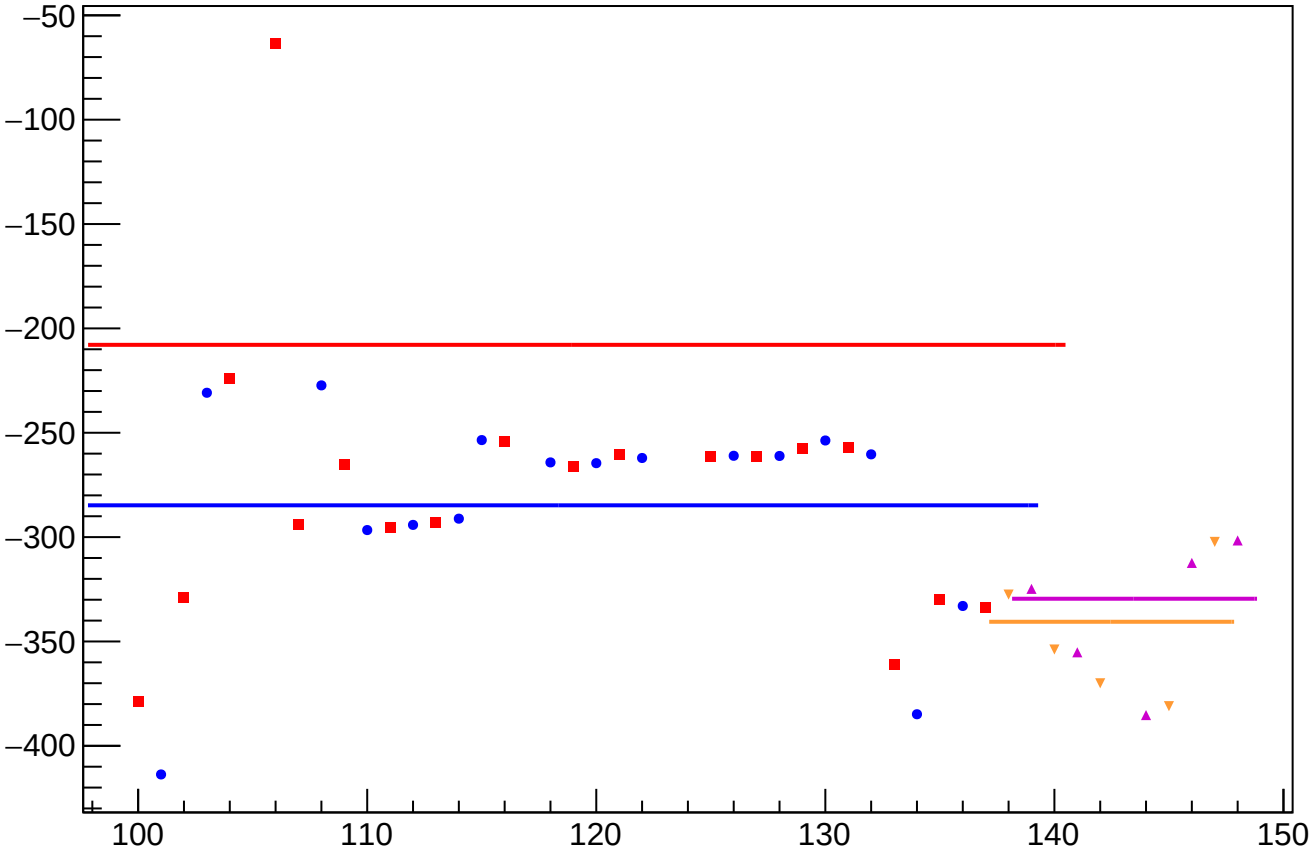
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.726+/-3.724 χ^2/NDF:49.0/4

+ sign 128.388+/-2.445 χ^2/NDF: 308.4/20

All: 122.223+/-1.685 χ^2/NDF: 707.5/43

- sign 116.650+/-2.325 χ^2/NDF: 386.9/22



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

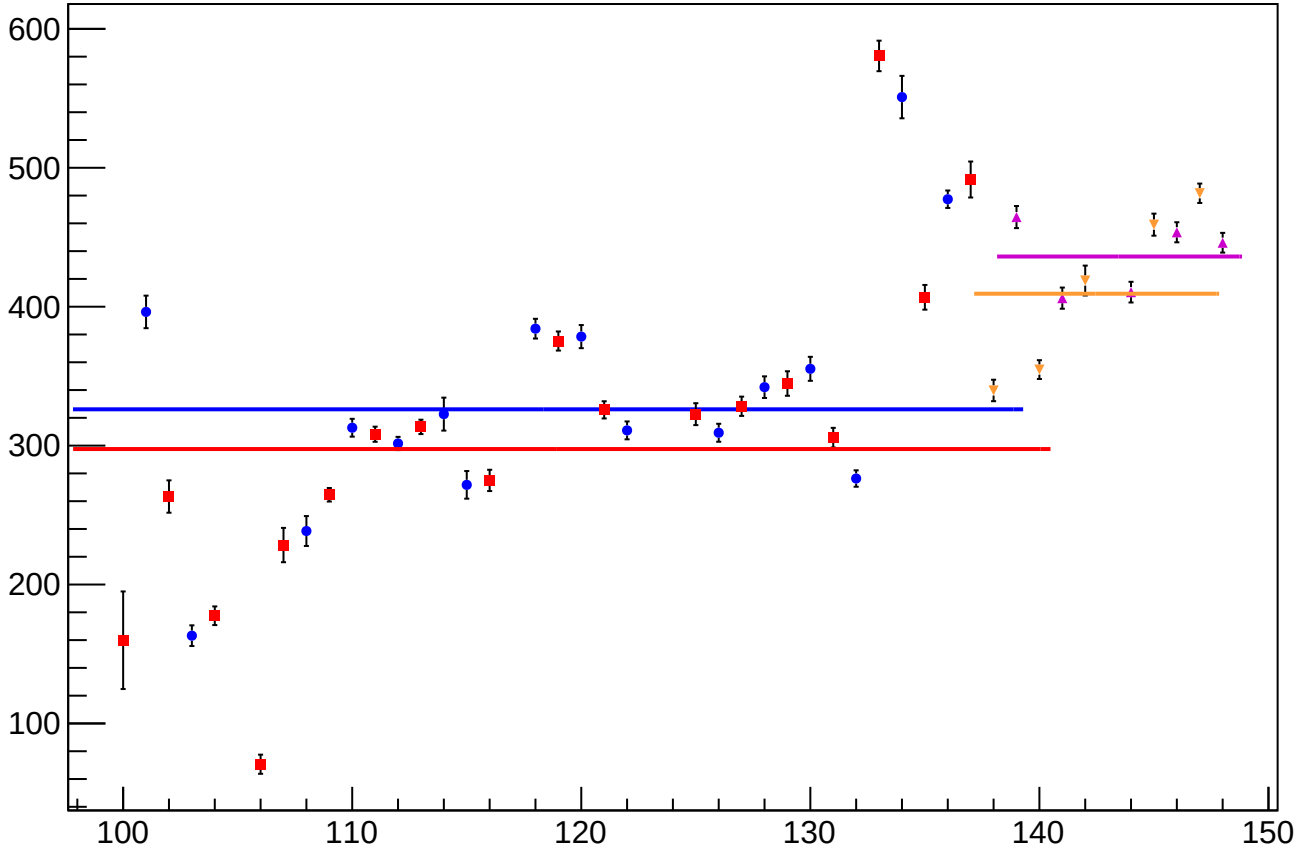
Left In: -329.525+/-0.186 χ^2/NDF:23485.0/4

\+ sign -308.716+/-0.134 χ^2/NDF: 167595.7/20

All: -278.229+/-0.088 χ^2/NDF: 1078852.5/43

\- sign -255.334+/-0.116 χ^2/NDF: 820797.1/22

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

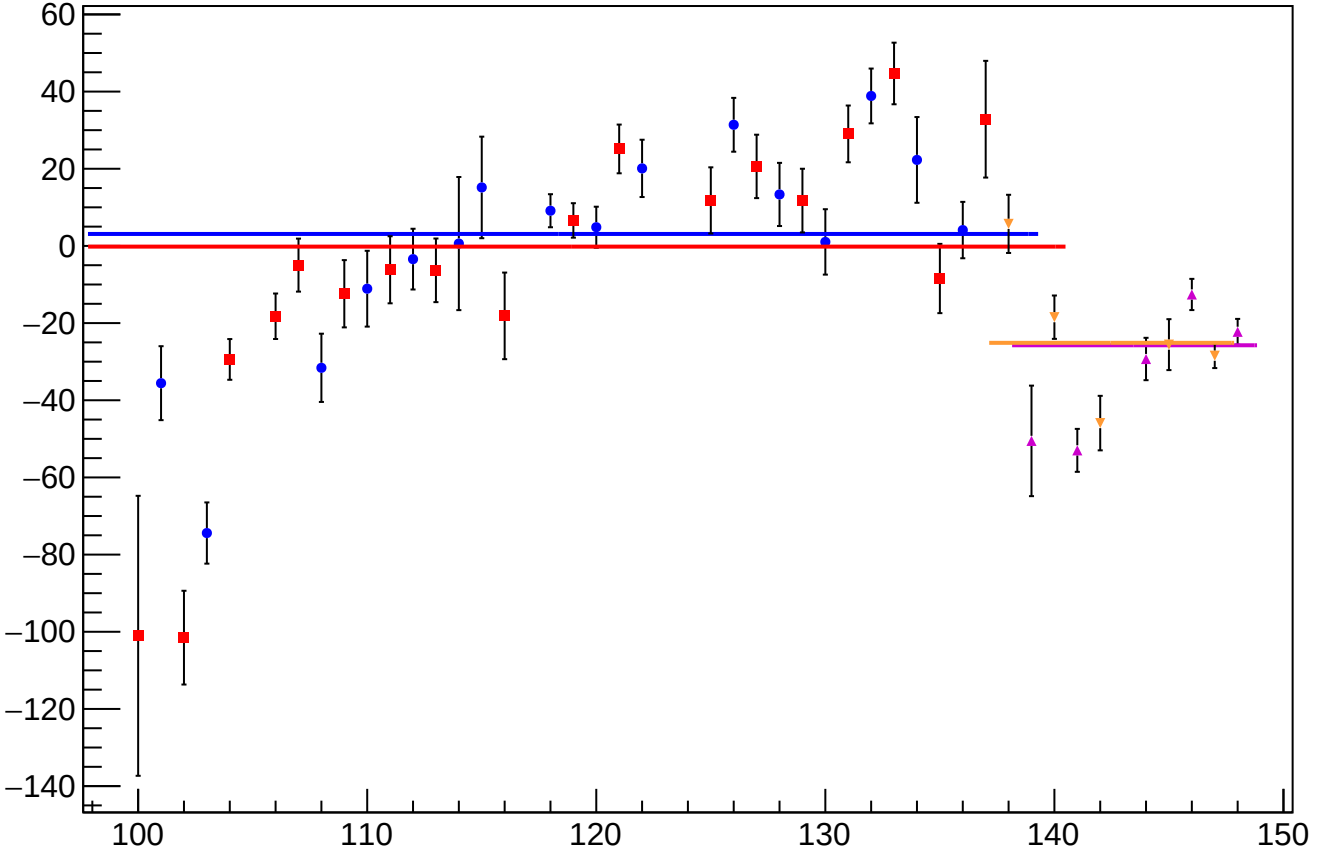
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 436.135+/-3.333 χ^2/NDF:47.9/4

+ sign 344.762+/-1.636 χ^2/NDF: 2386.4/20

All: 335.381+/-1.121 χ^2/NDF: 6632.5/43

- sign 327.080+/-1.539 χ^2/NDF: 4184.1/22



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -25.116+/-2.296 χ^2/NDF:27.9/4

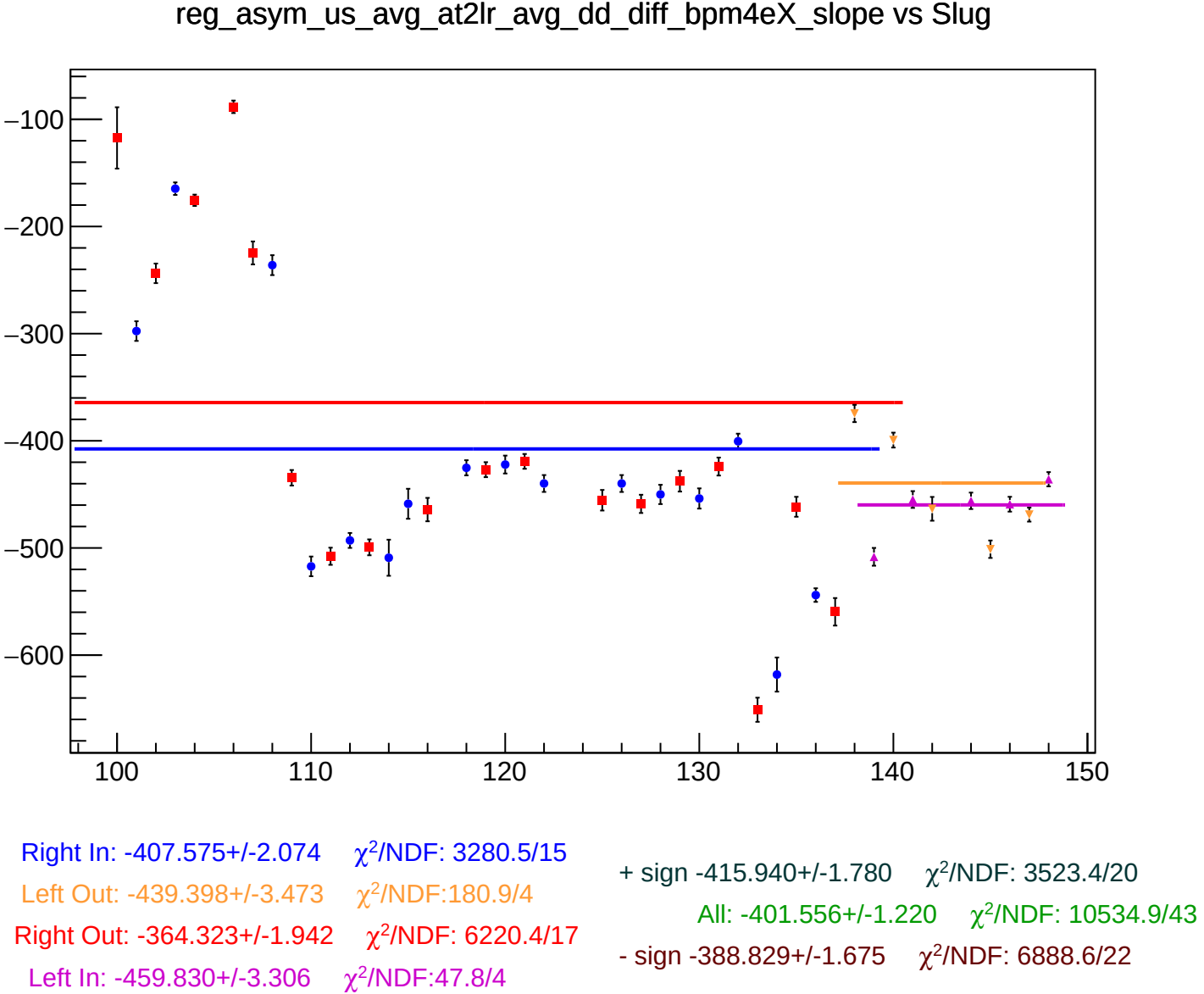
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

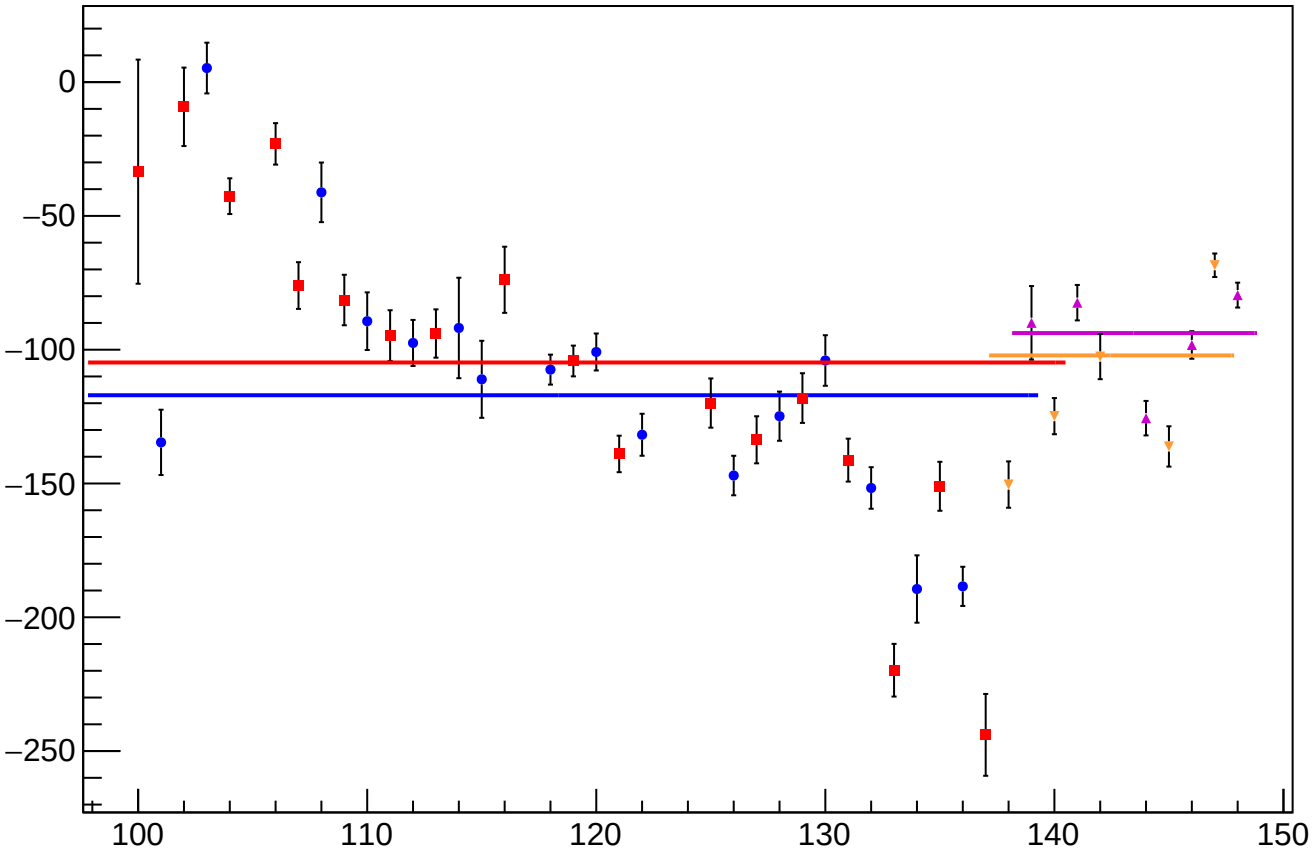
Left In: -25.747+/-2.127 χ^2/NDF:39.0/4

\+ sign -8.312+/-1.460 χ^2/NDF: 302.4/20

All: -9.628+/-0.999 χ^2/NDF: 632.7/43

\- sign -10.787+/-1.370 χ^2/NDF: 328.8/22


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug
−100
−200
−300
−400
−500
−600
100
110
120
130
140
150
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -439.398+/-3.473 χ²/NDF:180.9/4
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -459.830+/-3.306 χ²/NDF:47.8/4
+ sign -415.940+/-1.780 χ²/NDF: 3523.4/20
All: -401.556+/-1.220 χ²/NDF: 10534.9/43
- sign -388.829+/-1.675 χ²/NDF: 6888.6/22



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -102.145+/-2.904 χ^2/NDF:121.4/4

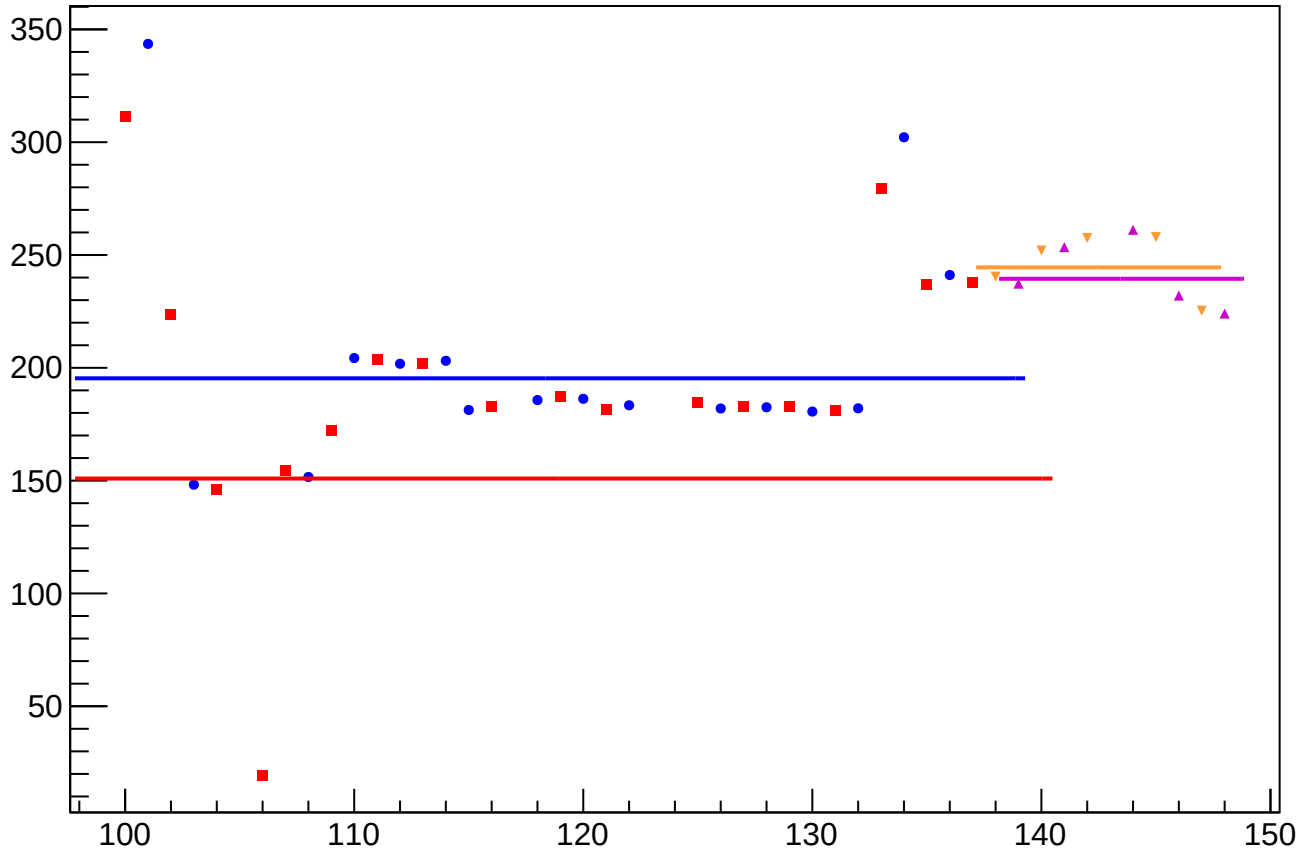
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -93.786+/-2.711 χ^2/NDF:37.4/4

+ sign -111.614+/-1.751 χ^2/NDF: 545.9/20

All: -105.841+/-1.203 χ^2/NDF: 1189.4/43

- sign -100.679+/-1.656 χ^2/NDF: 622.8/22



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

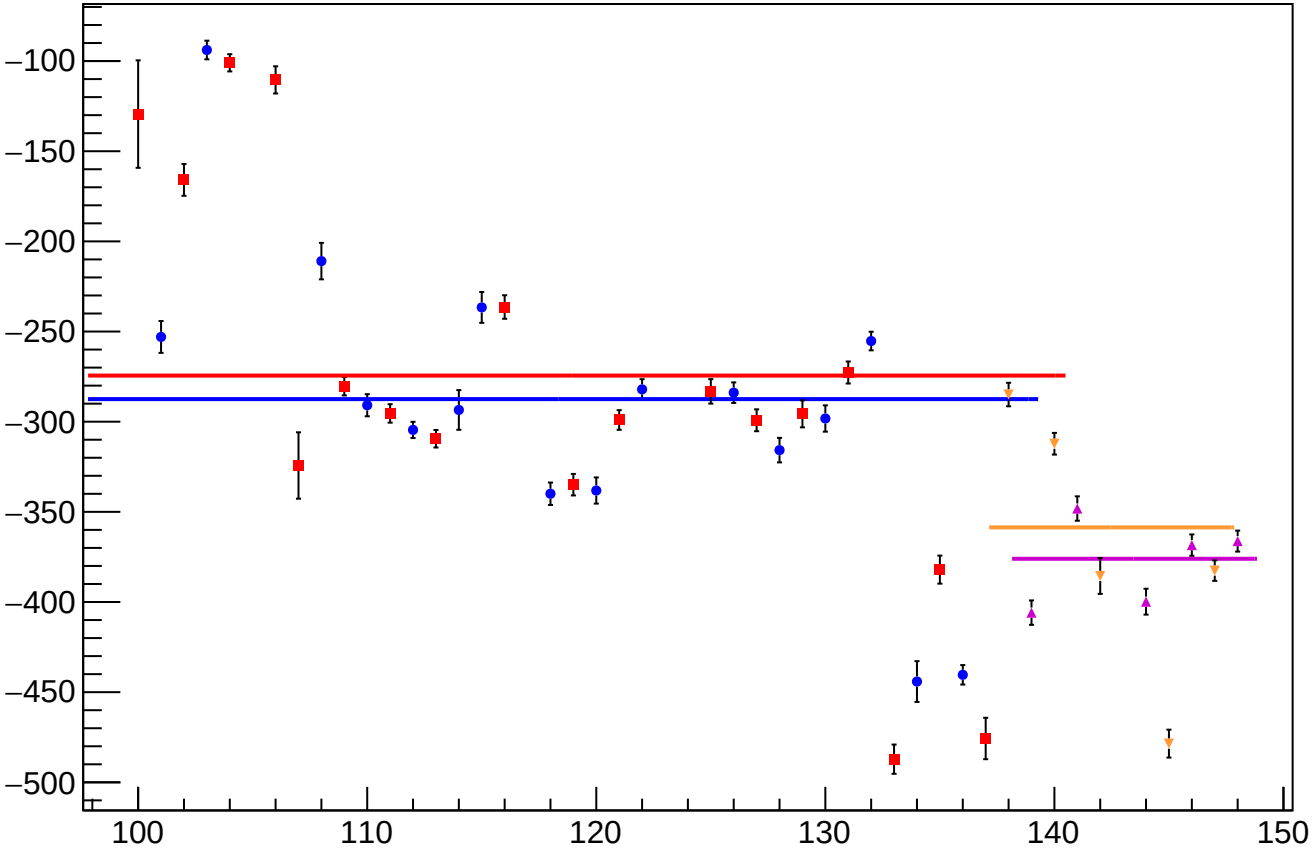
Left In: 239.463+/-0.135 χ^2/NDF:9884.3/4

+ sign 215.891+/-0.095 χ^2/NDF: 249674.4/20

All: 199.493+/-0.064 χ^2/NDF: 1070255.8/43

- sign 186.267+/-0.085 χ^2/NDF: 766857.9/22

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

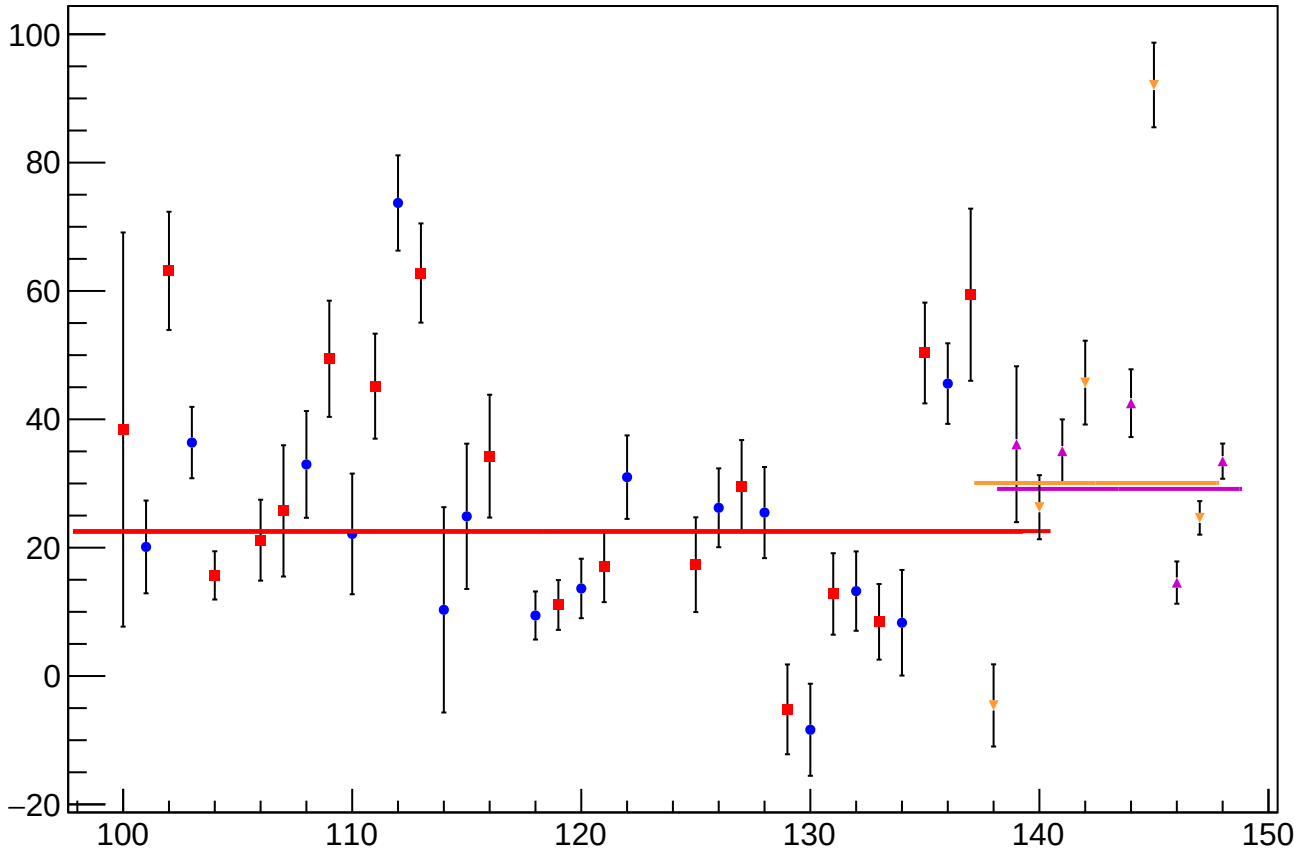
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -376.026+/-2.873 χ^2/NDF:52.0/4

+ sign -303.162+/-1.423 χ^2/NDF: 3579.0/20

All: -300.140+/-0.985 χ^2/NDF: 8021.5/43

- sign -297.358+/-1.365 χ^2/NDF: 4433.9/22



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

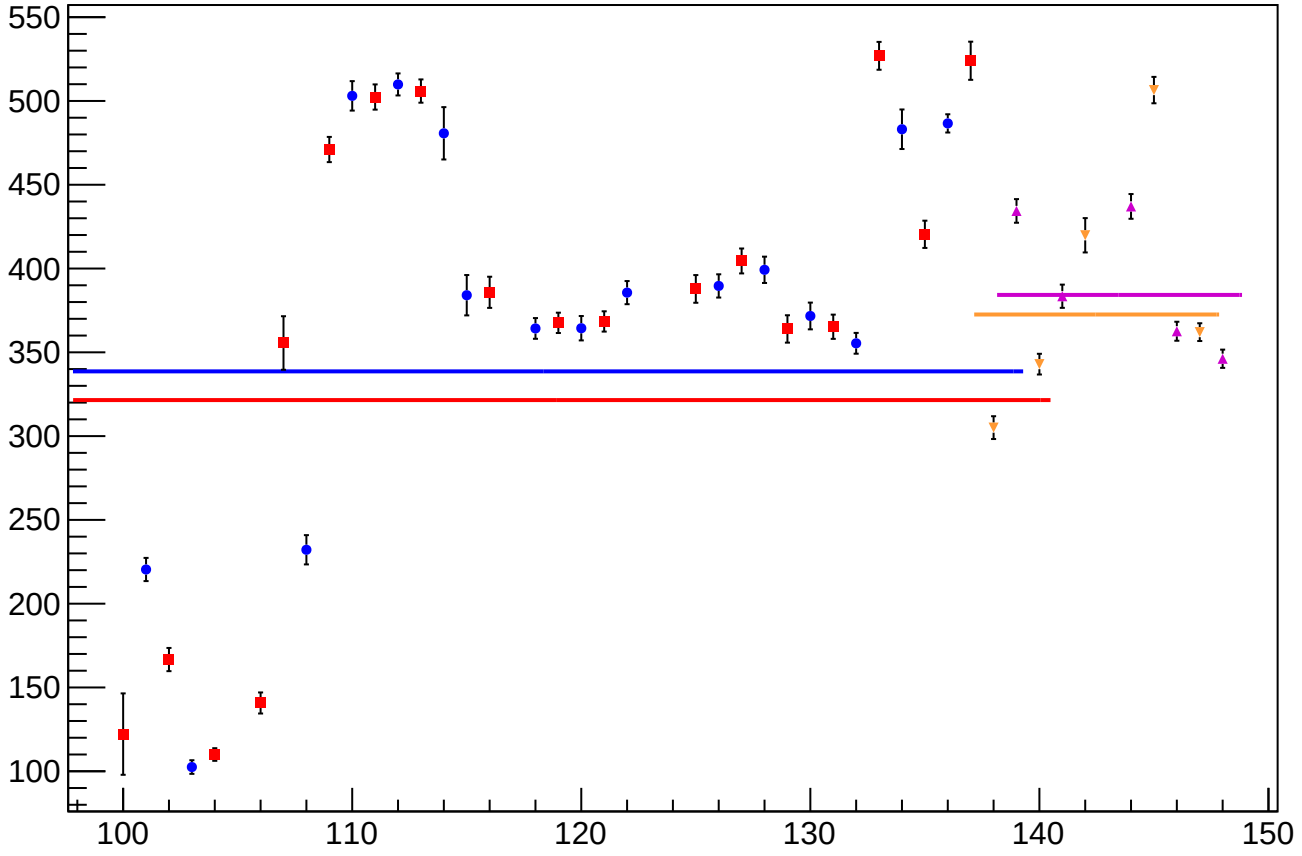
Left In: 29.154+/-1.799 χ^2/NDF:30.3/4

+ sign 25.553+/-1.252 χ^2/NDF: 248.7/20

All: 25.483+/-0.860 χ^2/NDF: 409.9/43

- sign 25.421+/-1.183 χ^2/NDF: 161.2/22

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

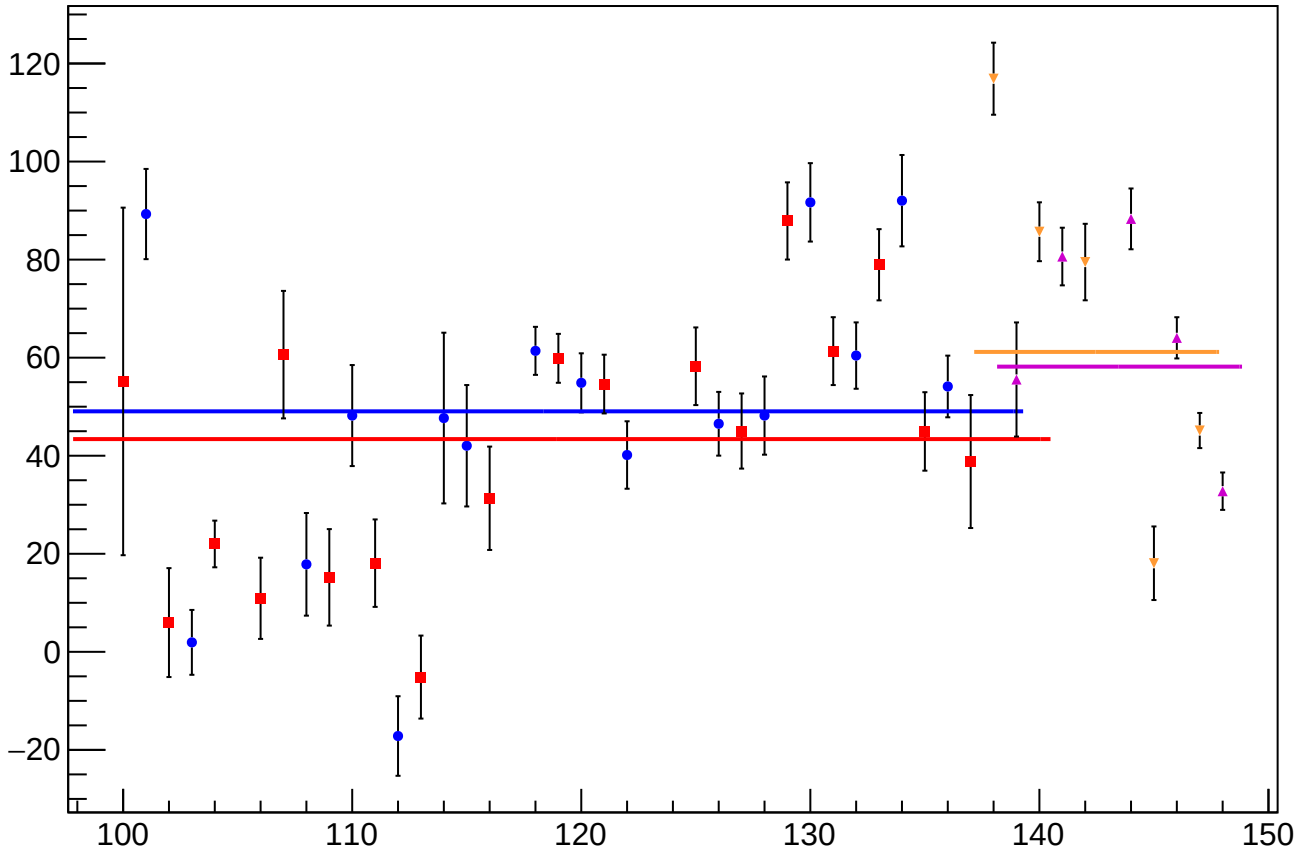
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 384.254+/-2.839 χ^2/NDF:165.2/4

\+ sign 347.112+/-1.514 χ^2/NDF: 6572.5/20

All: 342.365+/-1.049 χ^2/NDF: 14837.7/43

\- sign 337.982+/-1.455 χ^2/NDF: 8246.3/22



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 61.174+/-2.514 χ^2/NDF:132.7/4

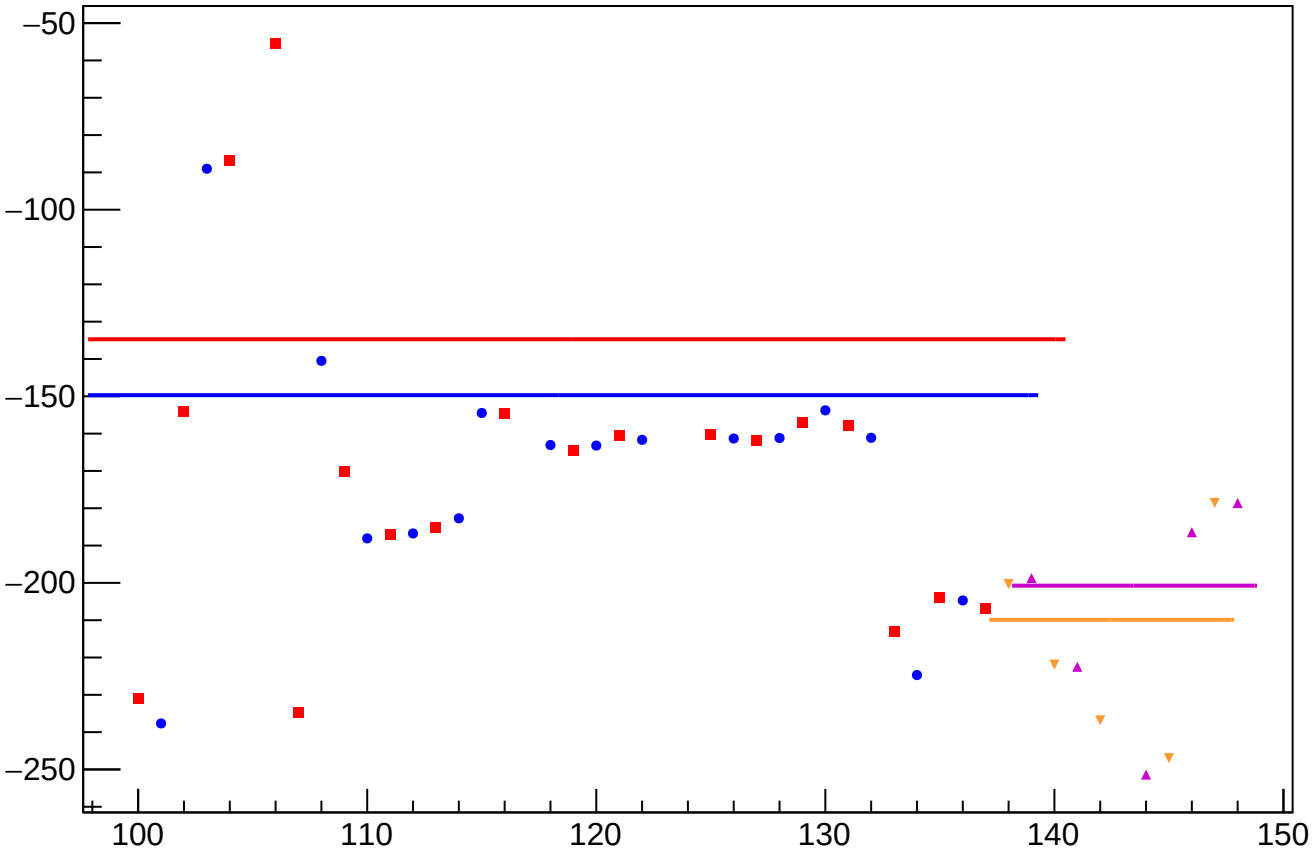
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 58.173+/-2.308 χ^2/NDF:84.6/4

+ sign 53.408+/-1.507 χ^2/NDF: 355.5/20

All: 51.156+/-1.039 χ^2/NDF: 649.5/43

- sign 49.110+/-1.436 χ^2/NDF: 289.7/22



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -209.892+/-0.129 χ^2/NDF:39001.2/4

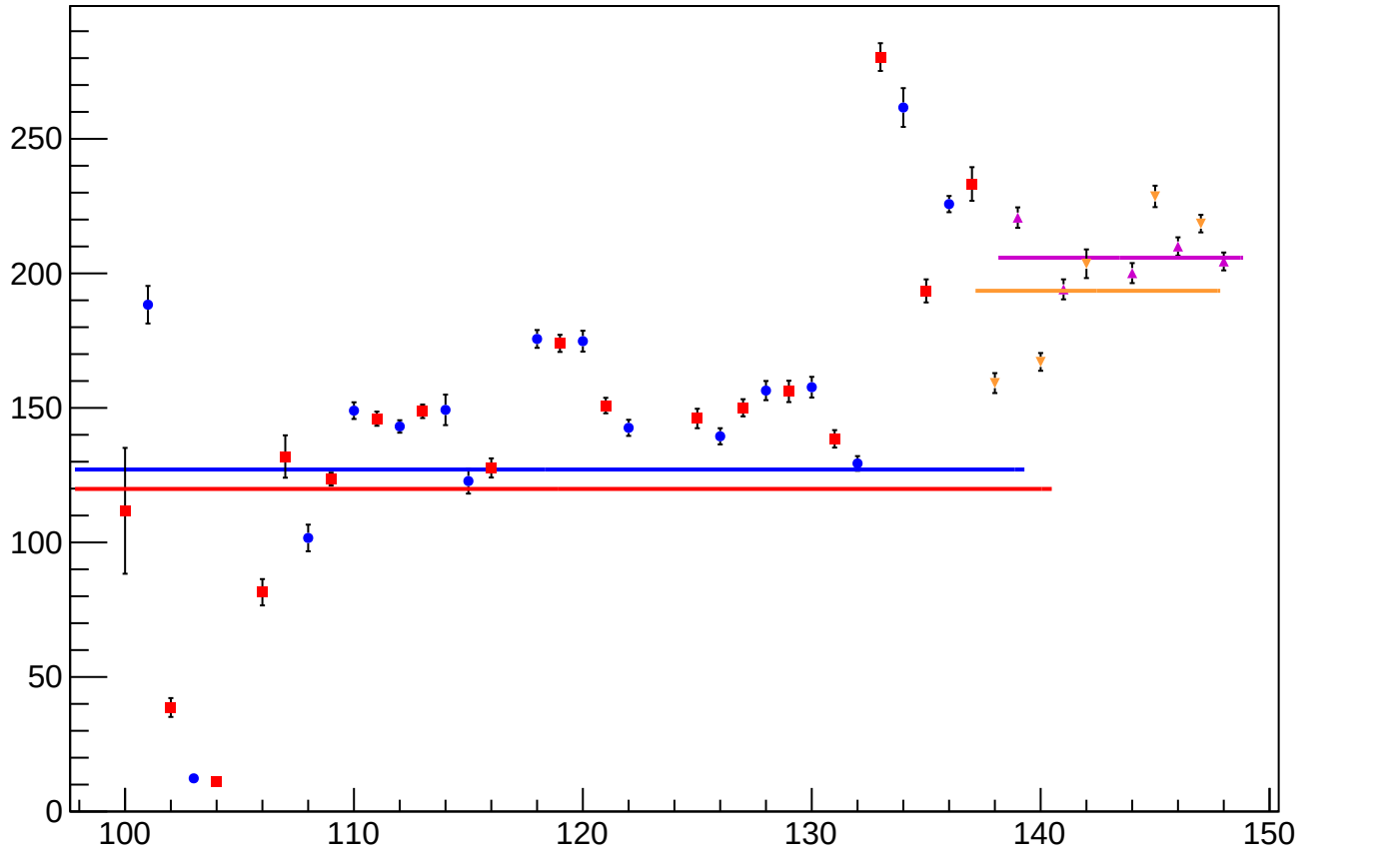
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -200.745+/-0.116 χ^2/NDF:42788.8/4

+ sign -172.597+/-0.079 χ^2/NDF: 431074.3/20

All: -166.938+/-0.054 χ^2/NDF: 987363.8/43

- sign -161.974+/-0.074 χ^2/NDF: 546744.8/22



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.525+/-1.674 χ^2/NDF:289.5/4

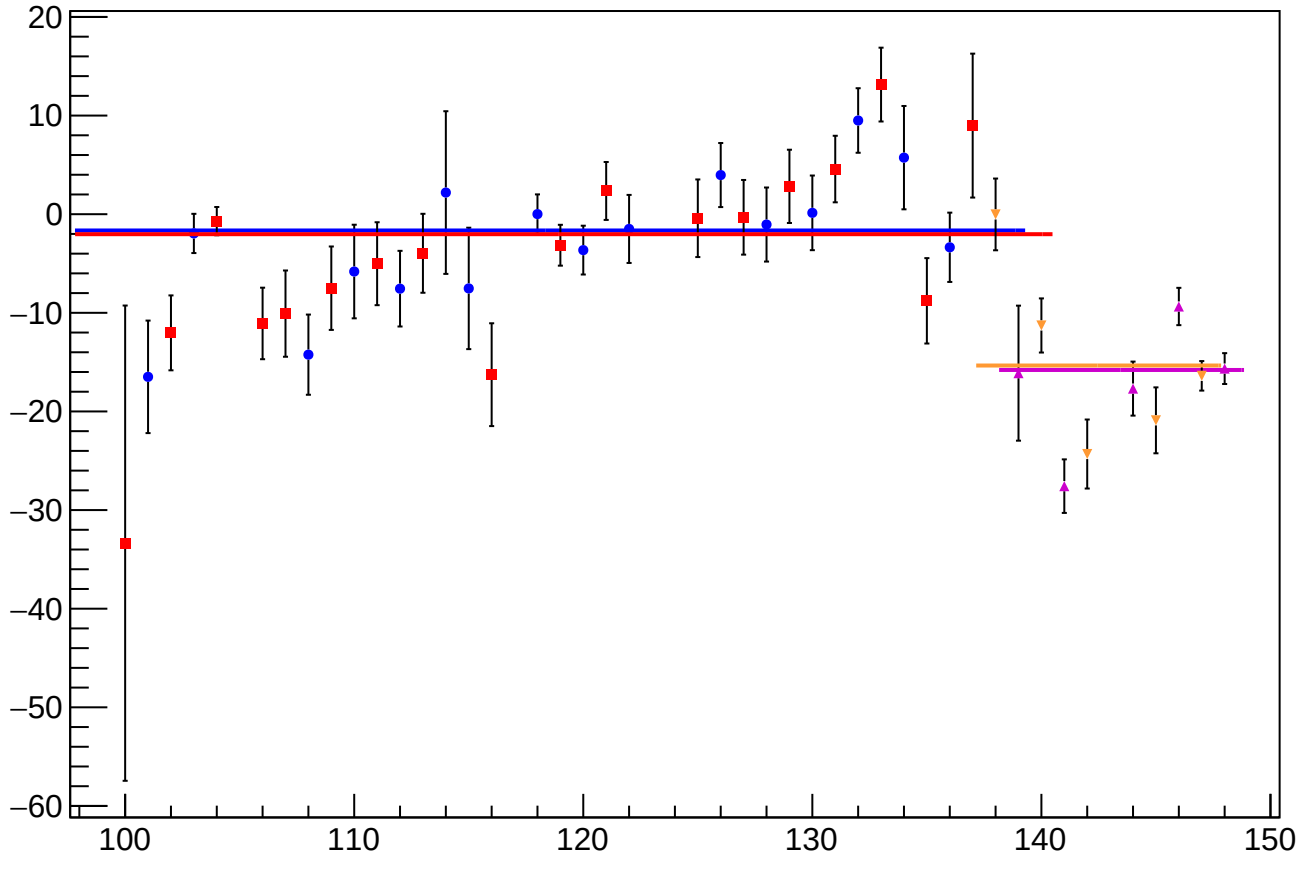
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 205.824+/-1.599 χ^2/NDF:29.4/4

+ sign 139.724+/-0.730 χ^2/NDF: 7728.2/20

All: 137.888+/-0.504 χ^2/NDF: 16760.2/43

- sign 136.214+/-0.697 χ^2/NDF: 9019.9/22



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -15.343+/-1.100 χ^2/NDF:29.8/4

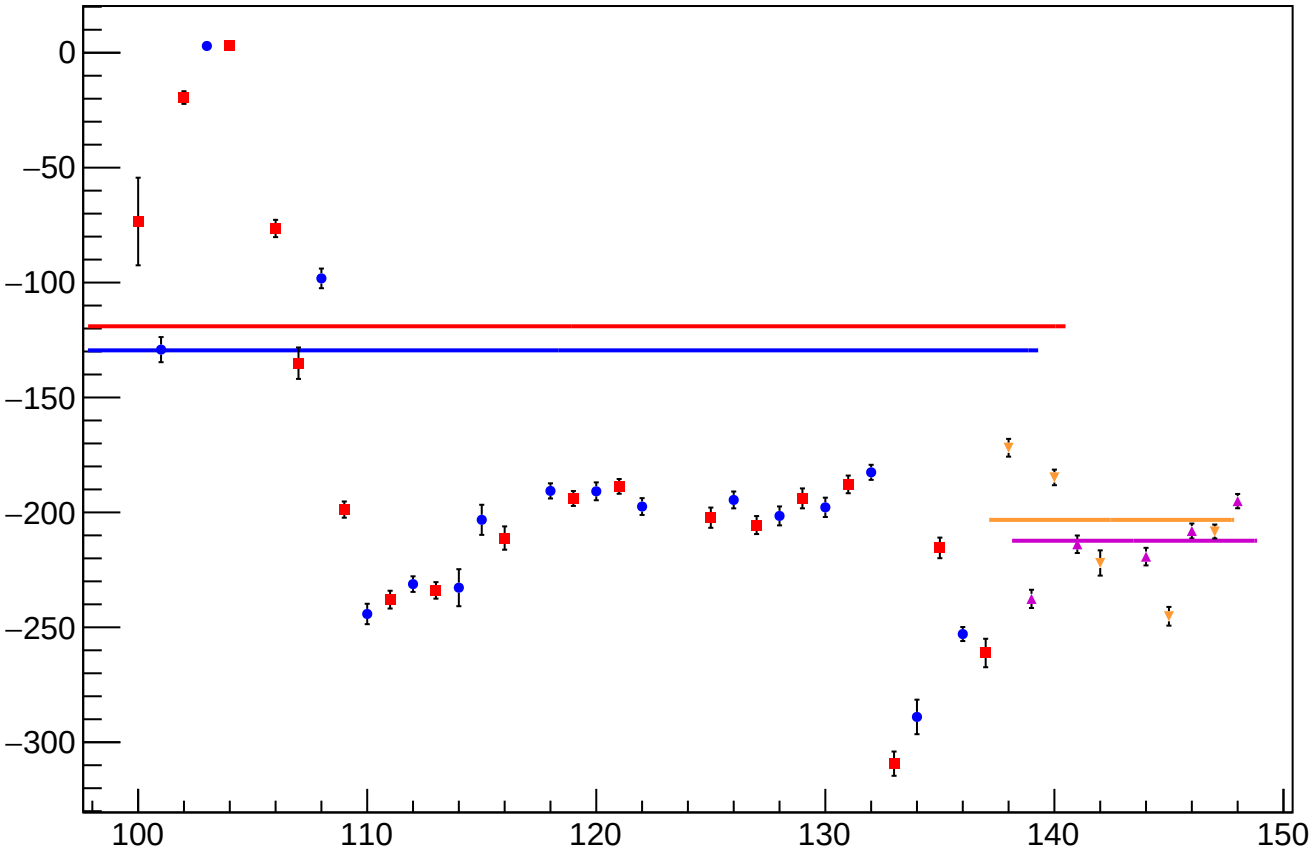
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.795+/-1.011 χ^2/NDF:30.9/4

+ sign -6.637+/-0.664 χ^2/NDF: 167.3/20

All: -6.878+/-0.450 χ^2/NDF: 374.3/43

- sign -7.084+/-0.613 χ^2/NDF: 206.8/22



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -203.252+/-1.678 χ^2/NDF:215.8/4

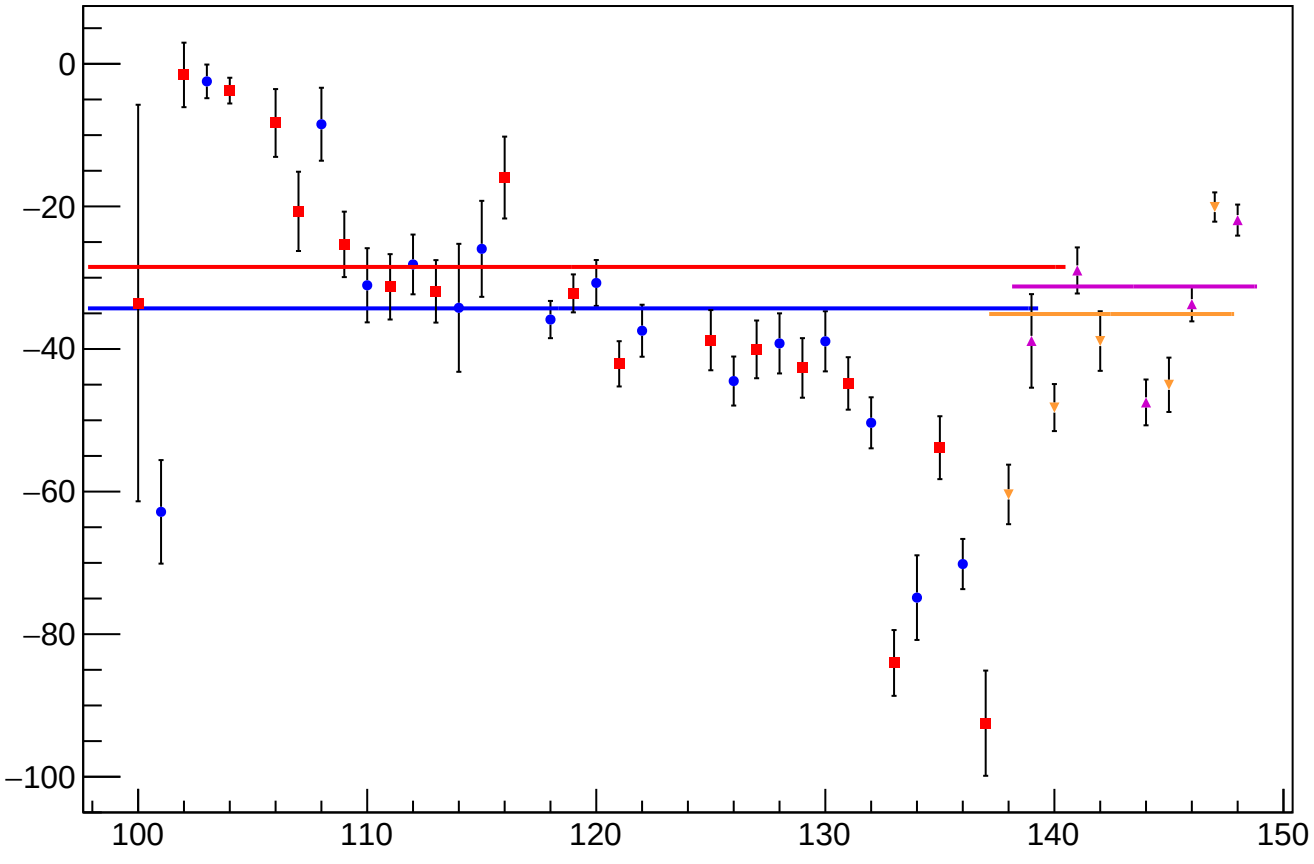
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -212.331+/-1.583 χ^2/NDF:76.6/4

+ sign -144.461+/-0.756 χ^2/NDF: 16444.3/20

All: -141.344+/-0.522 χ^2/NDF: 35480.5/43

- sign -138.490+/-0.723 χ^2/NDF: 19003.6/22



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.093+/-1.397 χ^2/NDF:113.5/4

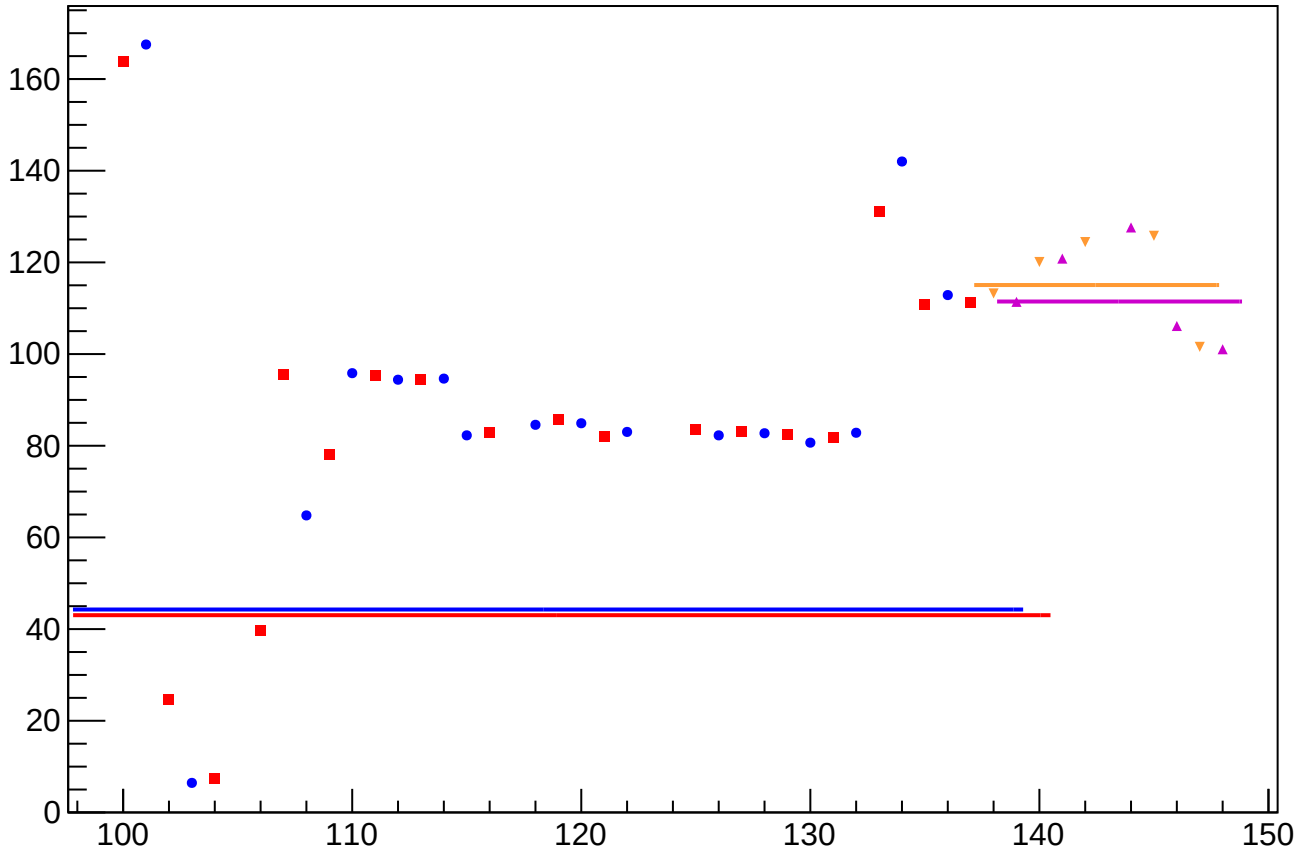
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.230+/-1.292 χ^2/NDF:46.8/4

+ sign -34.557+/-0.796 χ^2/NDF: 525.1/20

All: -31.797+/-0.543 χ^2/NDF: 1165.4/43

- sign -29.392+/-0.742 χ^2/NDF: 617.8/22



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 115.061+/-0.071 χ^2/NDF:17358.6/4

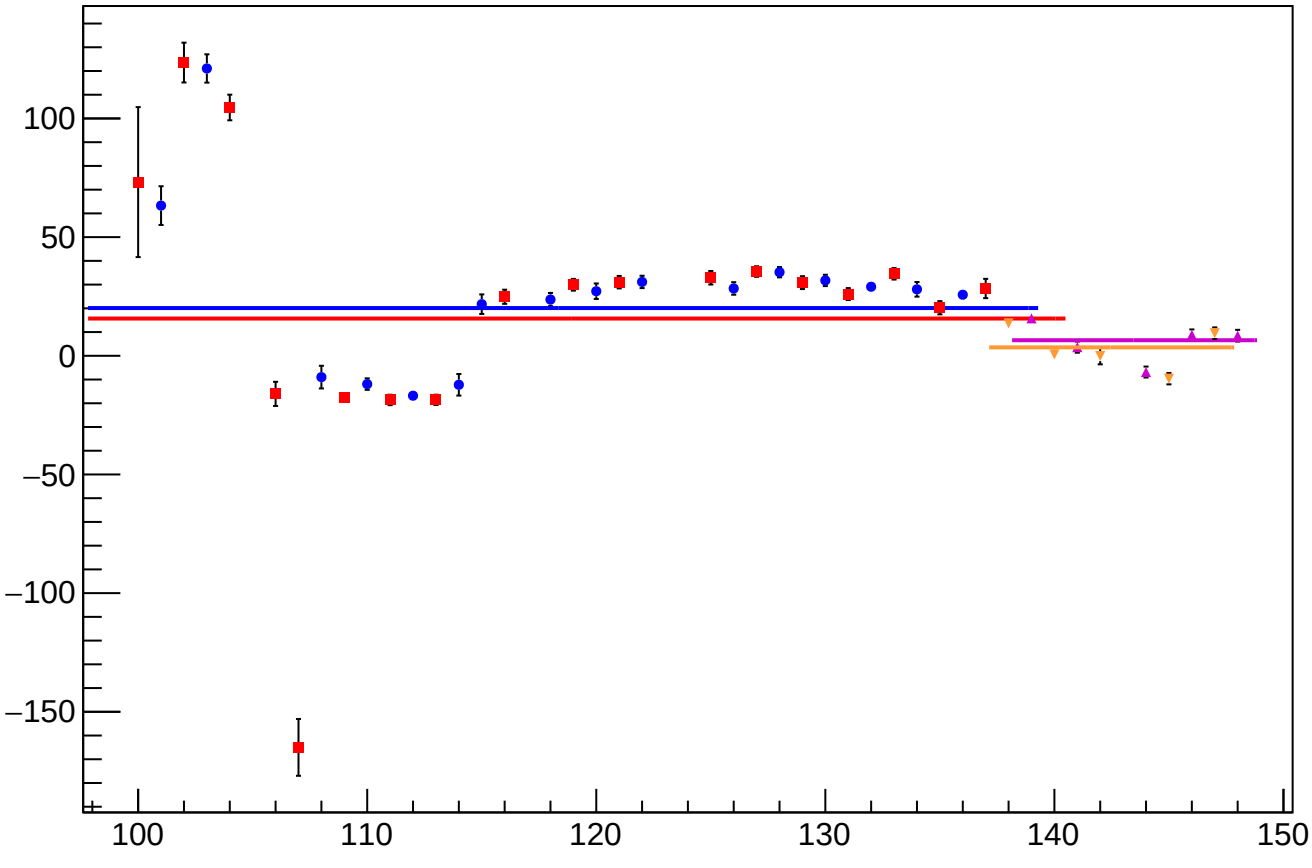
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 111.465+/-0.065 χ^2/NDF:20785.0/4

+ sign 64.470+/-0.038 χ^2/NDF: 1810257.5/20

All: 64.946+/-0.026 χ^2/NDF: 3390881.9/43

- sign 65.395+/-0.037 χ^2/NDF: 1580319.4/22



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 3.553+/-1.065 χ^2/NDF:62.6/4

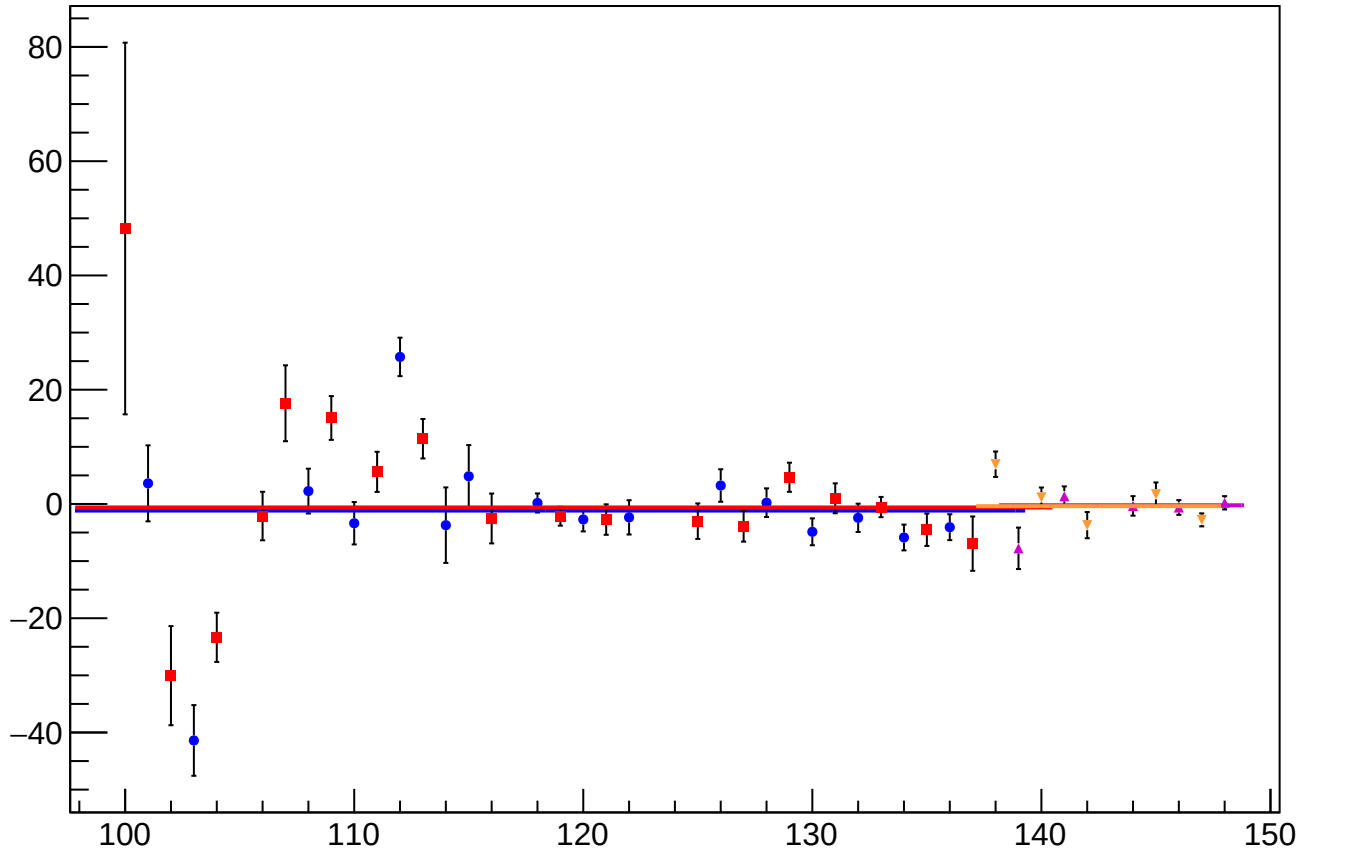
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.554+/-1.013 χ^2/NDF:57.9/4

+ sign 15.247+/-0.577 χ^2/NDF: 1281.6/20

All: 14.023+/-0.404 χ^2/NDF: 3178.2/43

- sign 12.848+/-0.566 χ^2/NDF: 1887.8/22



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.387+/-0.761 χ^2/NDF:19.2/4

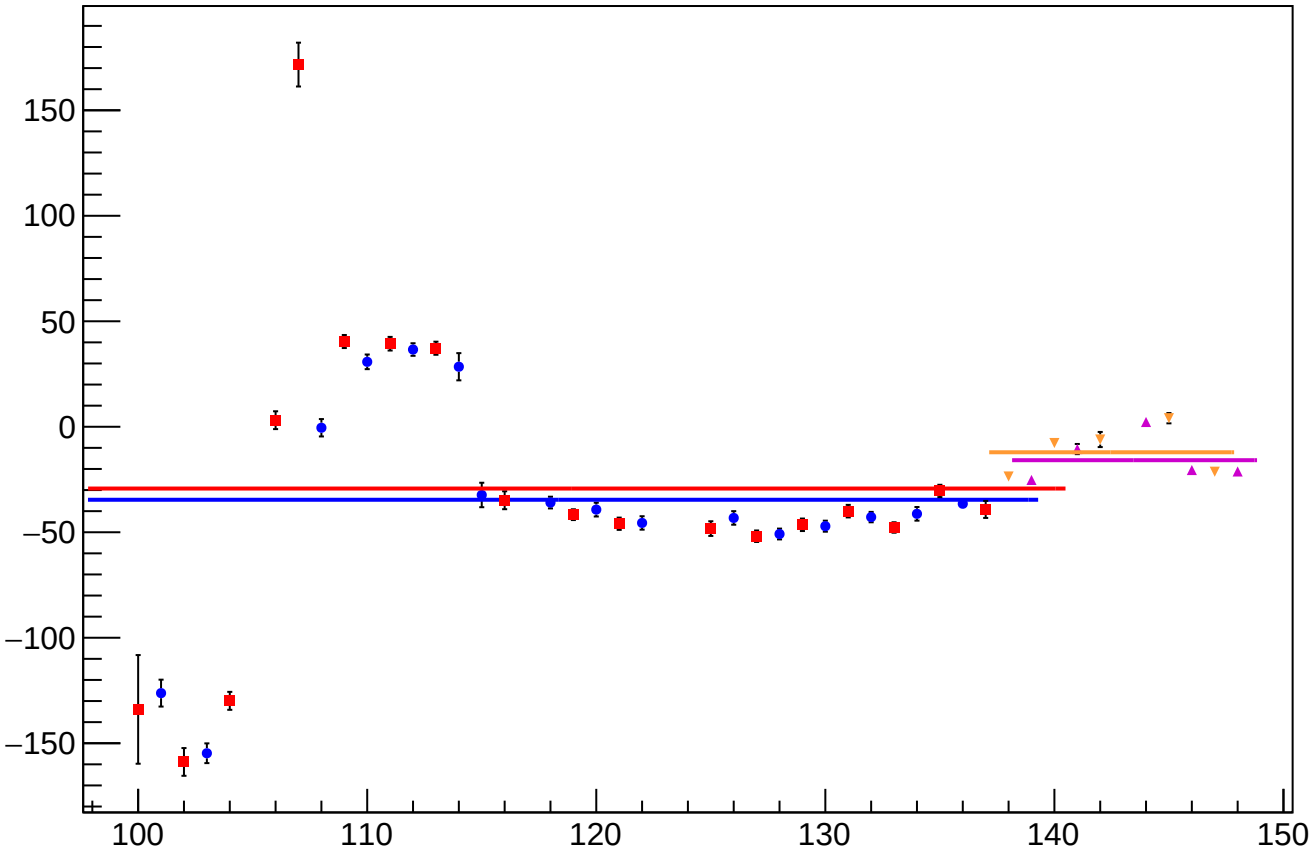
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.227+/-0.692 χ^2/NDF:5.4/4

+ sign -0.801+/-0.515 χ^2/NDF: 141.6/20

All: -0.601+/-0.357 χ^2/NDF: 240.8/43

- sign -0.415+/-0.497 χ^2/NDF: 98.9/22



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -12.090+/-1.076 χ^2/NDF:94.5/4

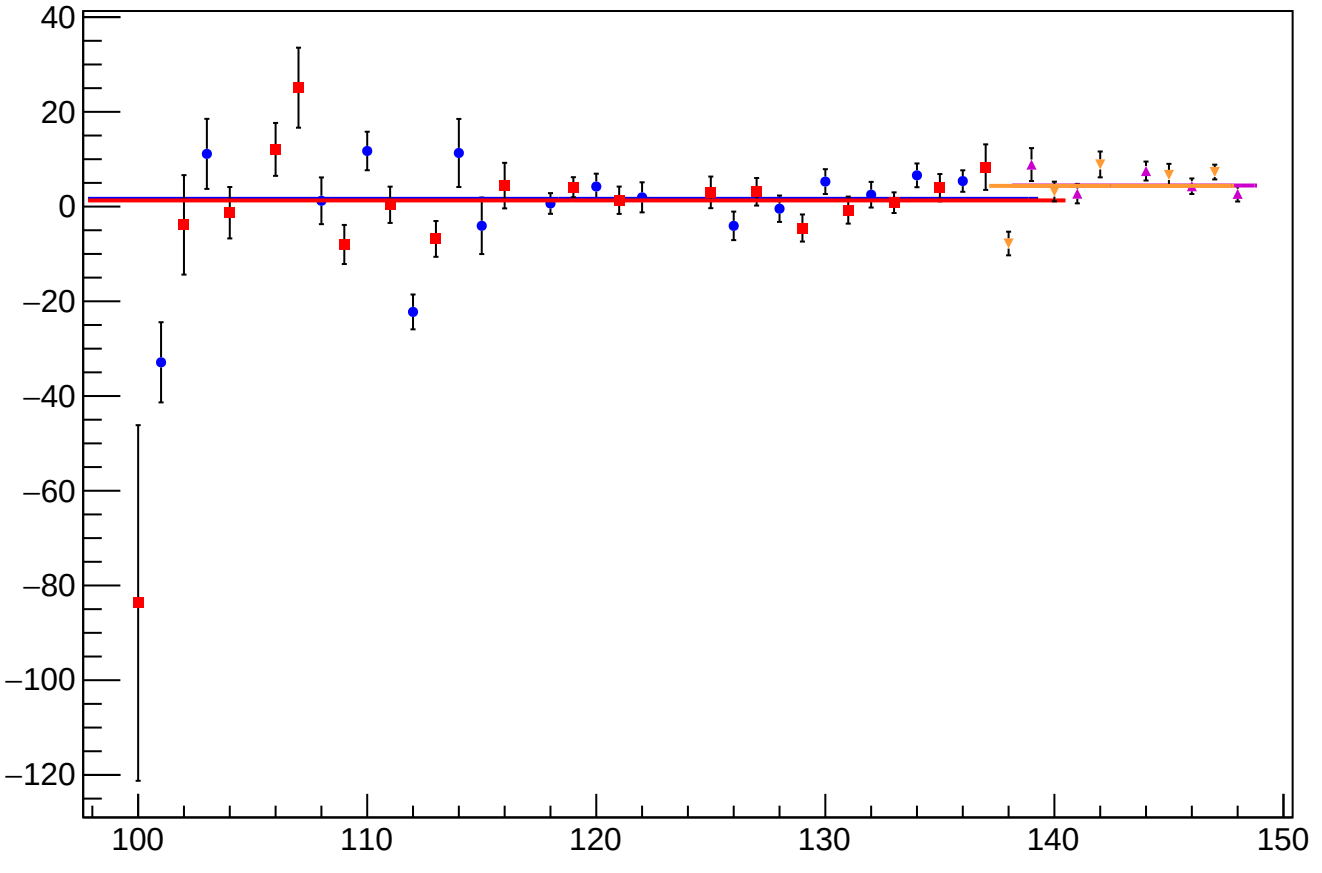
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -15.847+/-1.013 χ^2/NDF:92.8/4

+ sign -26.763+/-0.635 χ^2/NDF: 2438.2/20

All: -25.426+/-0.446 χ^2/NDF: 5729.2/43

- sign -24.119+/-0.628 χ^2/NDF: 3282.2/22



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.371+/-0.945 χ^2/NDF:31.3/4

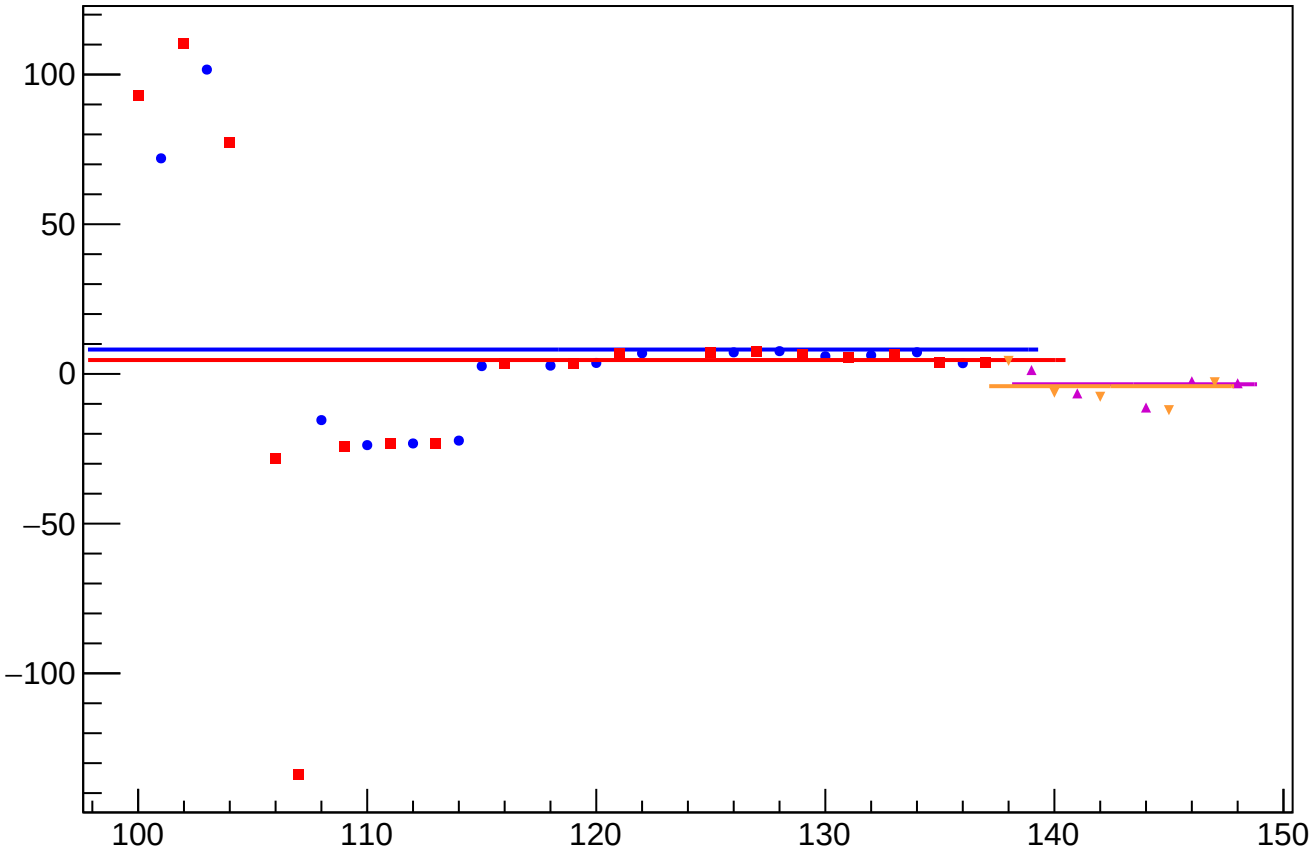
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.446+/-0.870 χ^2/NDF:5.8/4

\+ sign 2.769+/-0.609 χ^2/NDF: 119.5/20

All: 2.771+/-0.426 χ^2/NDF: 169.9/43

\- sign 2.773+/-0.595 χ^2/NDF: 50.3/22



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.093+/-0.045 χ^2/NDF:17927.8/4

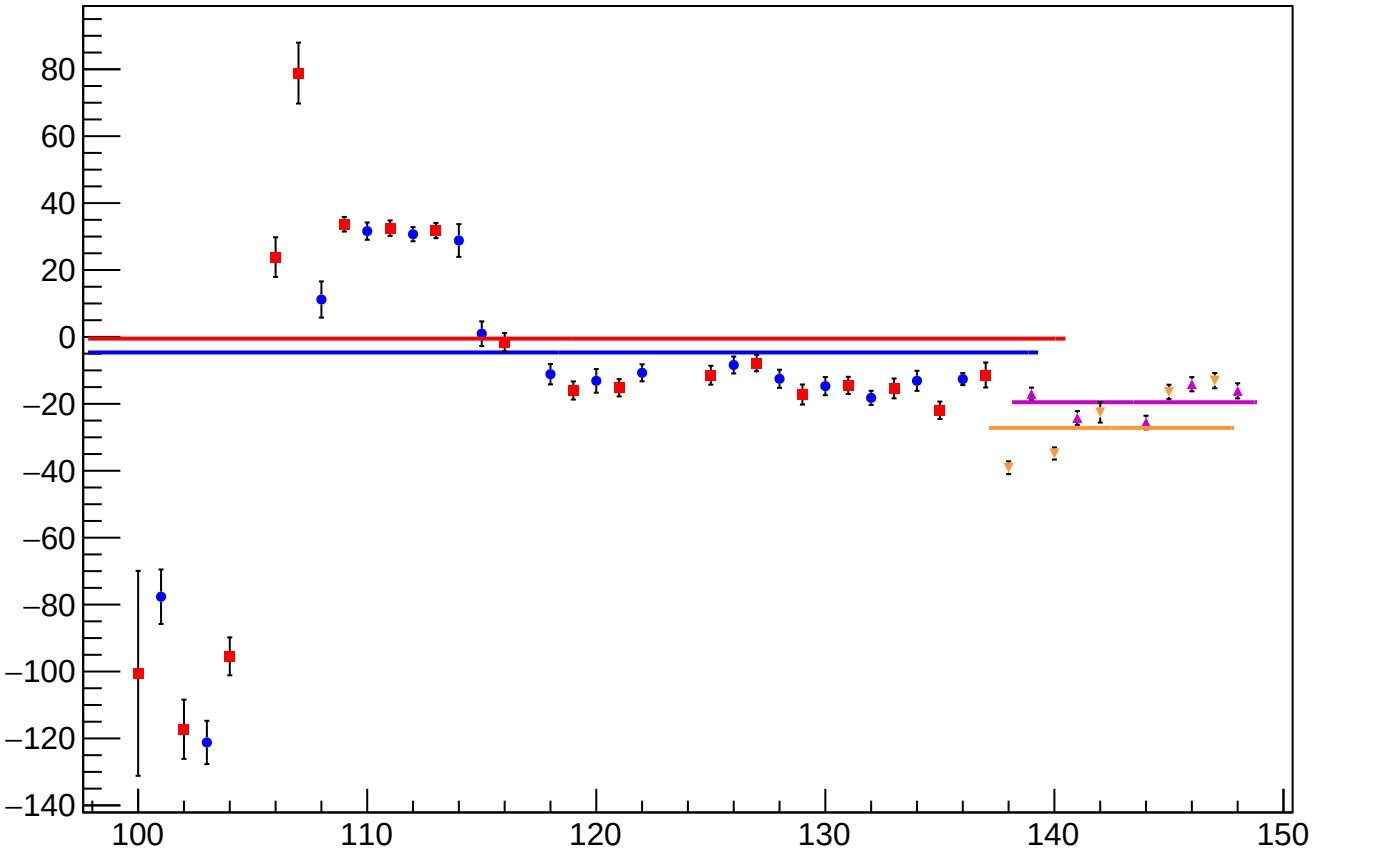
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.455+/-0.041 χ^2/NDF:10492.2/4

+ sign 1.553+/-0.033 χ^2/NDF: 365760.6/20

All: 0.580+/-0.023 χ^2/NDF: 839867.8/43

- sign -0.345+/-0.032 χ^2/NDF: 472395.6/22



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.193+/-0.959 χ^2/NDF:121.6/4

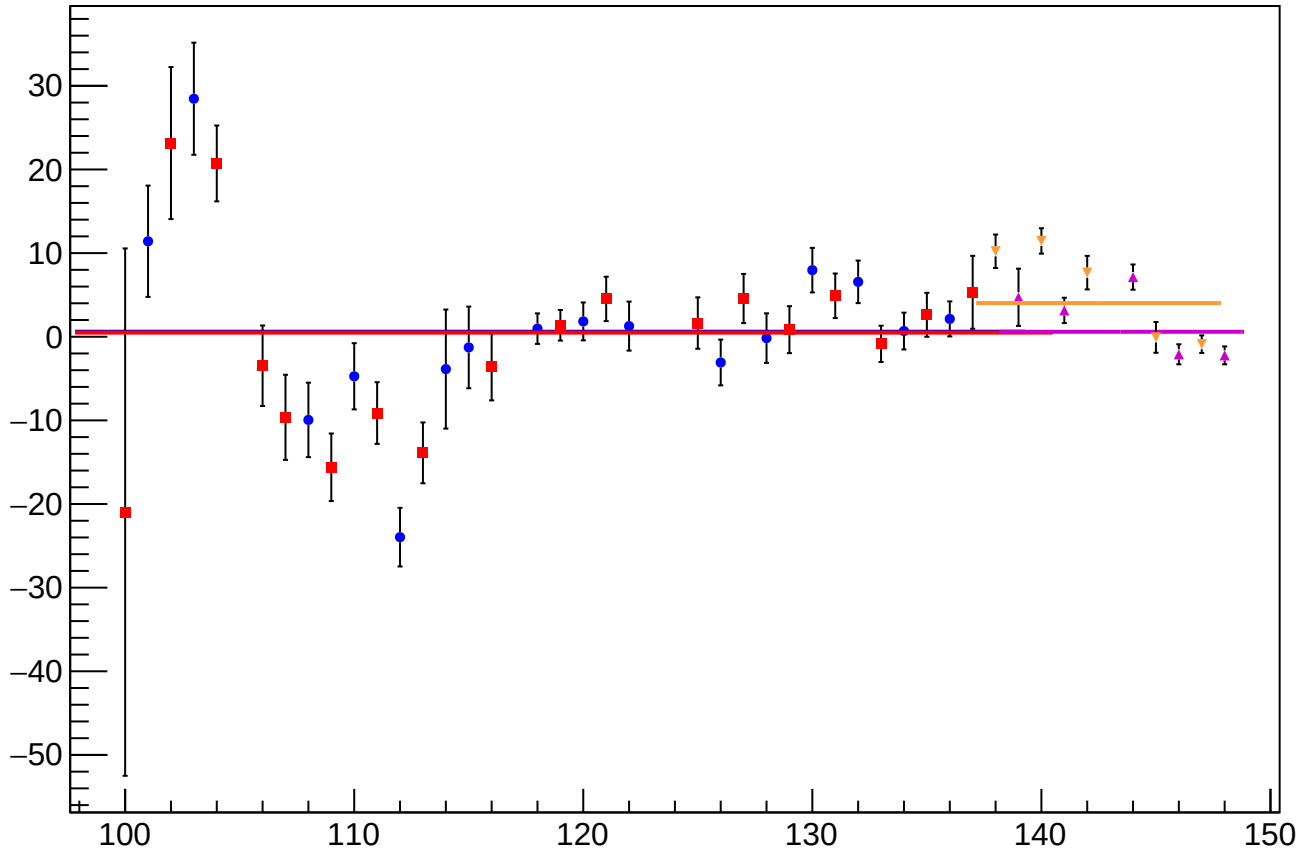
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.521+/-0.924 χ^2/NDF:24.5/4

+ sign -12.652+/-0.571 χ^2/NDF: 1524.7/20

All: -10.078+/-0.401 χ^2/NDF: 3313.1/43

- sign -7.576+/-0.563 χ^2/NDF: 1748.4/22



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 4.027+/-0.685 χ^2/NDF:63.6/4

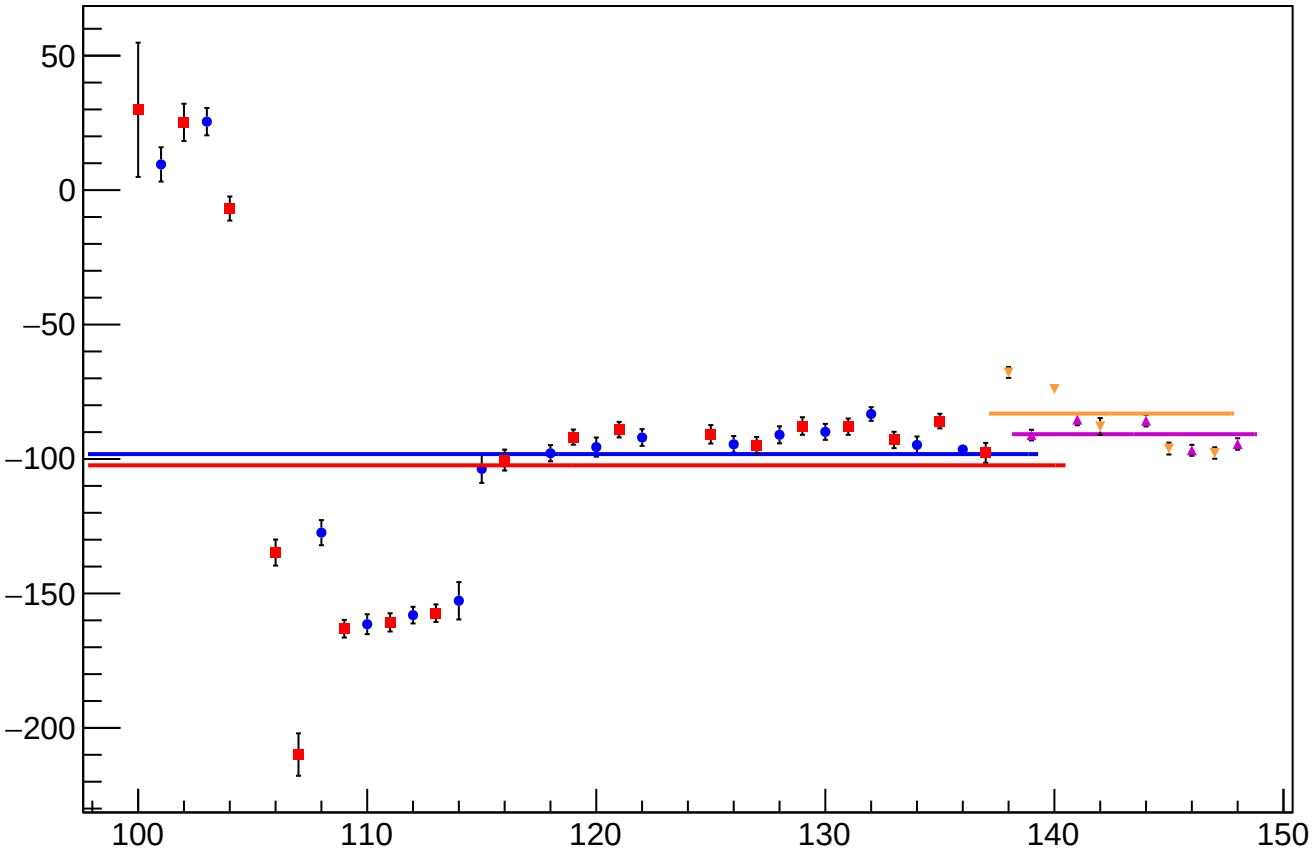
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.595+/-0.629 χ^2/NDF:35.1/4

+ sign 2.417+/-0.498 χ^2/NDF: 168.3/20

All: 1.457+/-0.347 χ^2/NDF: 290.7/43

- sign 0.554+/-0.483 χ^2/NDF: 115.3/22



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -83.112+/-0.970 χ^2/NDF:166.6/4

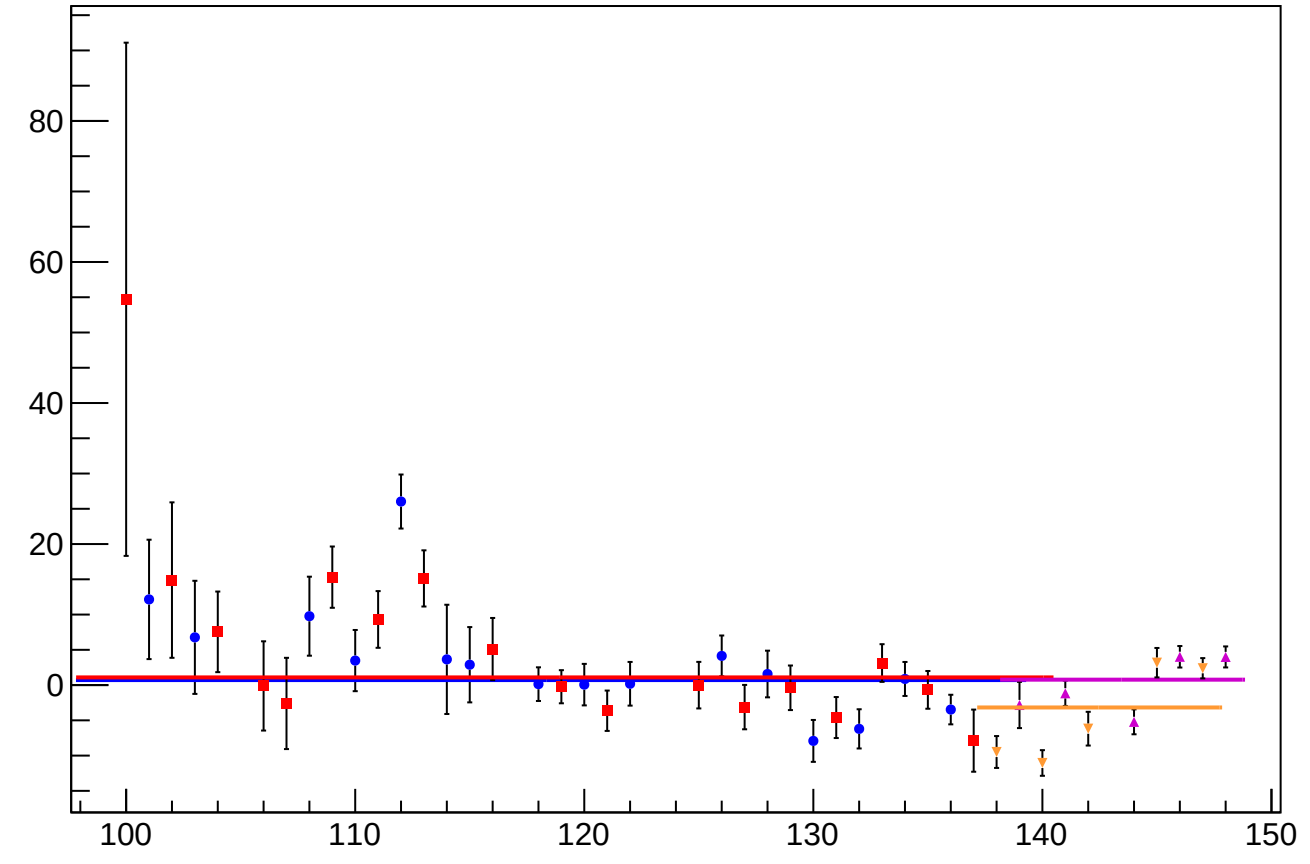
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.767+/-0.924 χ^2/NDF:23.9/4

+ sign -91.957+/-0.623 χ^2/NDF: 2008.1/20

All: -94.554+/-0.440 χ^2/NDF: 4270.5/43

- sign -97.129+/-0.620 χ^2/NDF: 2227.8/22



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.174+/-0.850 χ^2/NDF:52.3/4

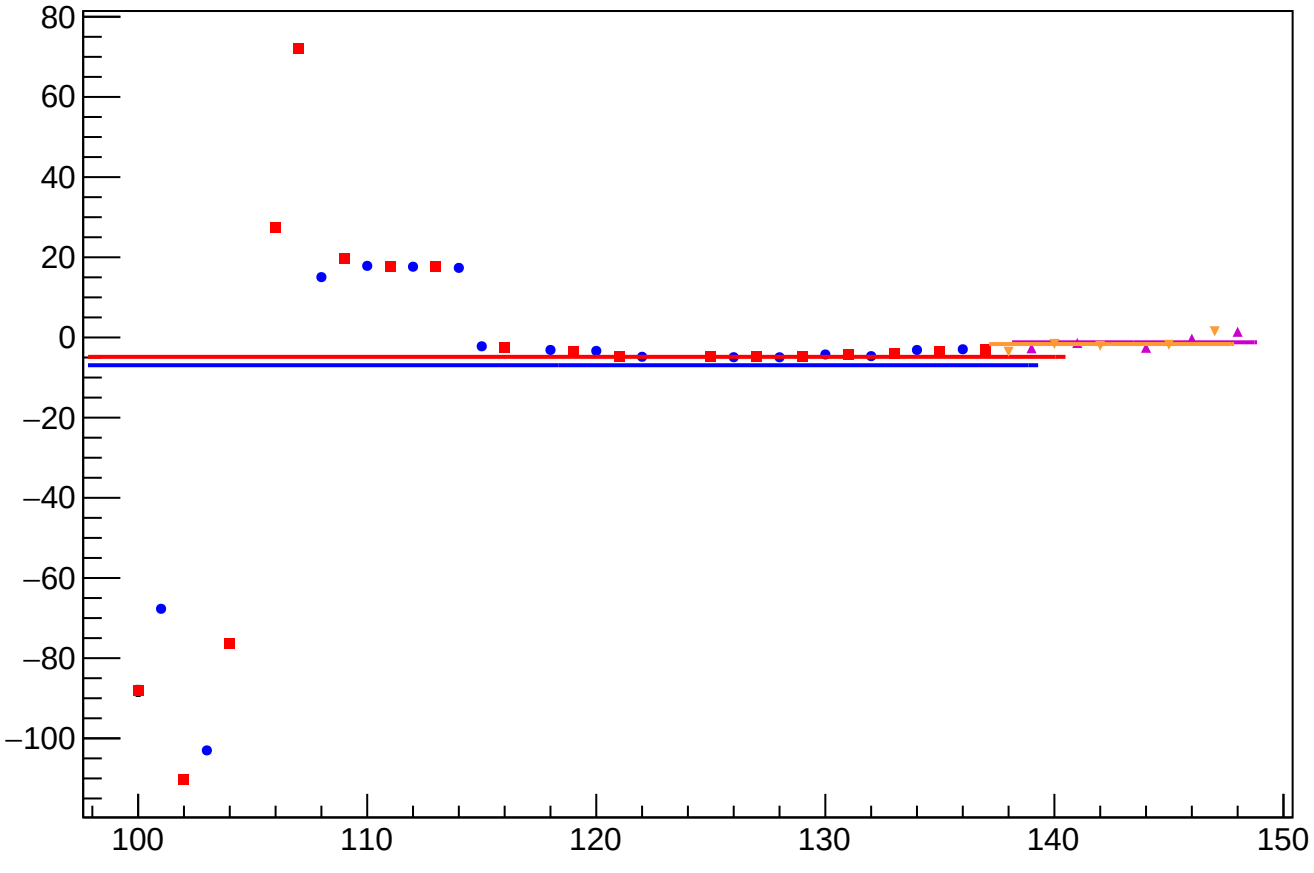
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.768+/-0.790 χ^2/NDF:23.0/4

\+ sign -1.166+/-0.590 χ^2/NDF: 132.8/20

All: -0.108+/-0.414 χ^2/NDF: 209.8/43

\- sign 0.915+/-0.581 χ^2/NDF: 70.8/22



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

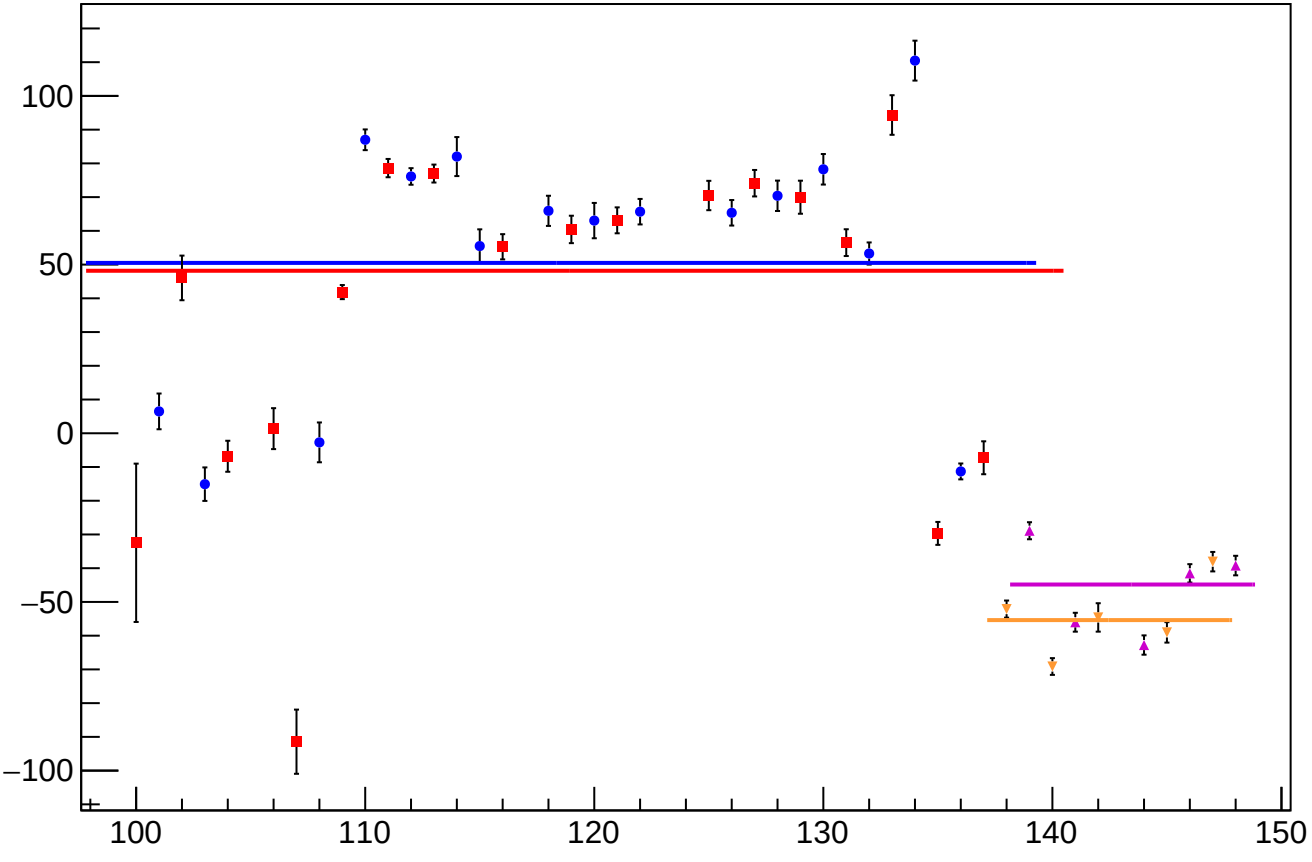
Left In: -1.205+/-0.037 χ^2/NDF:1704.7/4

+ sign -3.809+/-0.031 χ^2/NDF: 273926.4/20

All: -3.100+/-0.022 χ^2/NDF: 619161.8/43

- sign -2.416+/-0.031 χ^2/NDF: 344212.6/22

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -55.383+/-1.288 χ^2/NDF:69.9/4

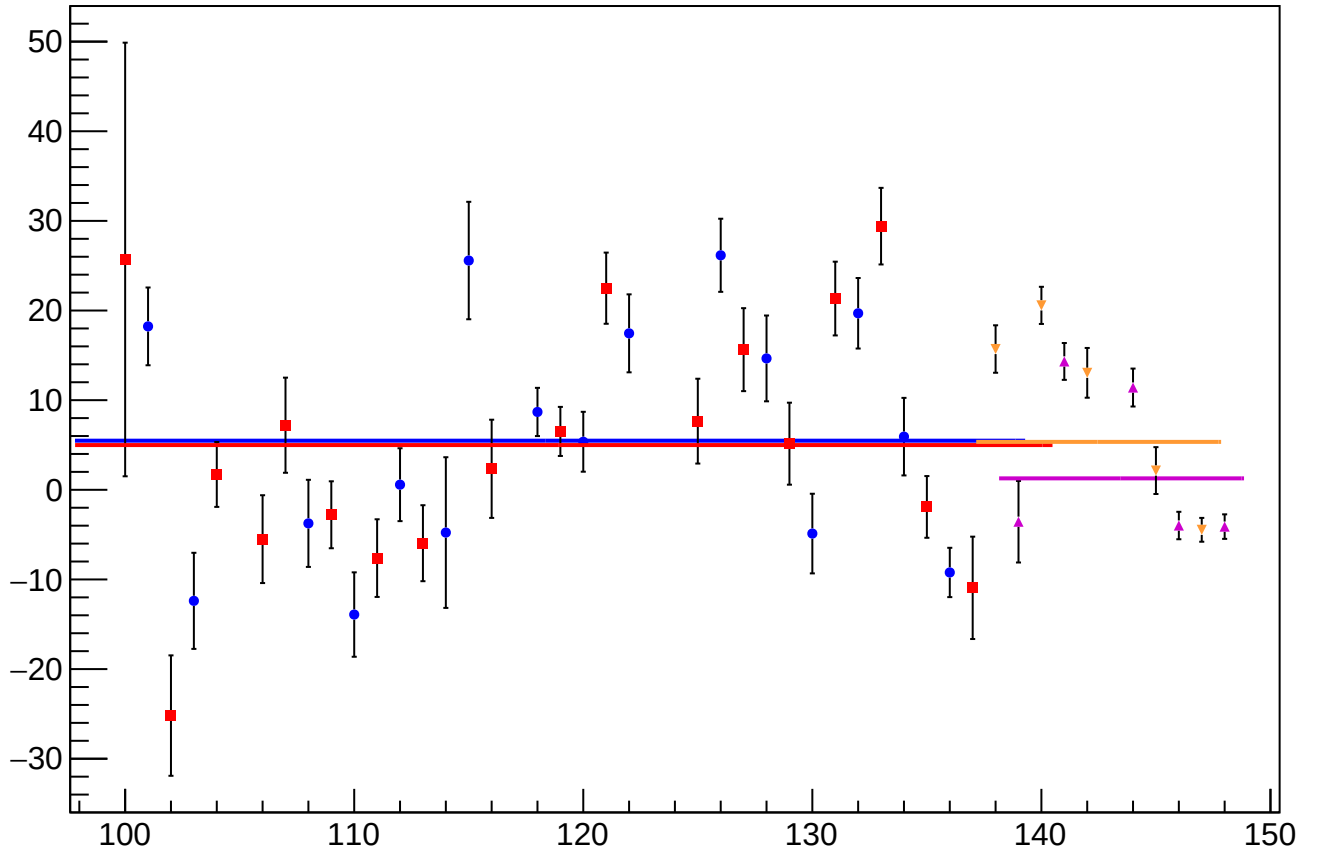
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-1.230 χ^2/NDF:100.4/4

\+ sign 12.403+/-0.772 χ^2/NDF: 5902.7/20

All: 13.803+/-0.532 χ^2/NDF: 11212.2/43

\- sign 15.068+/-0.734 χ^2/NDF: 5303.2/22



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

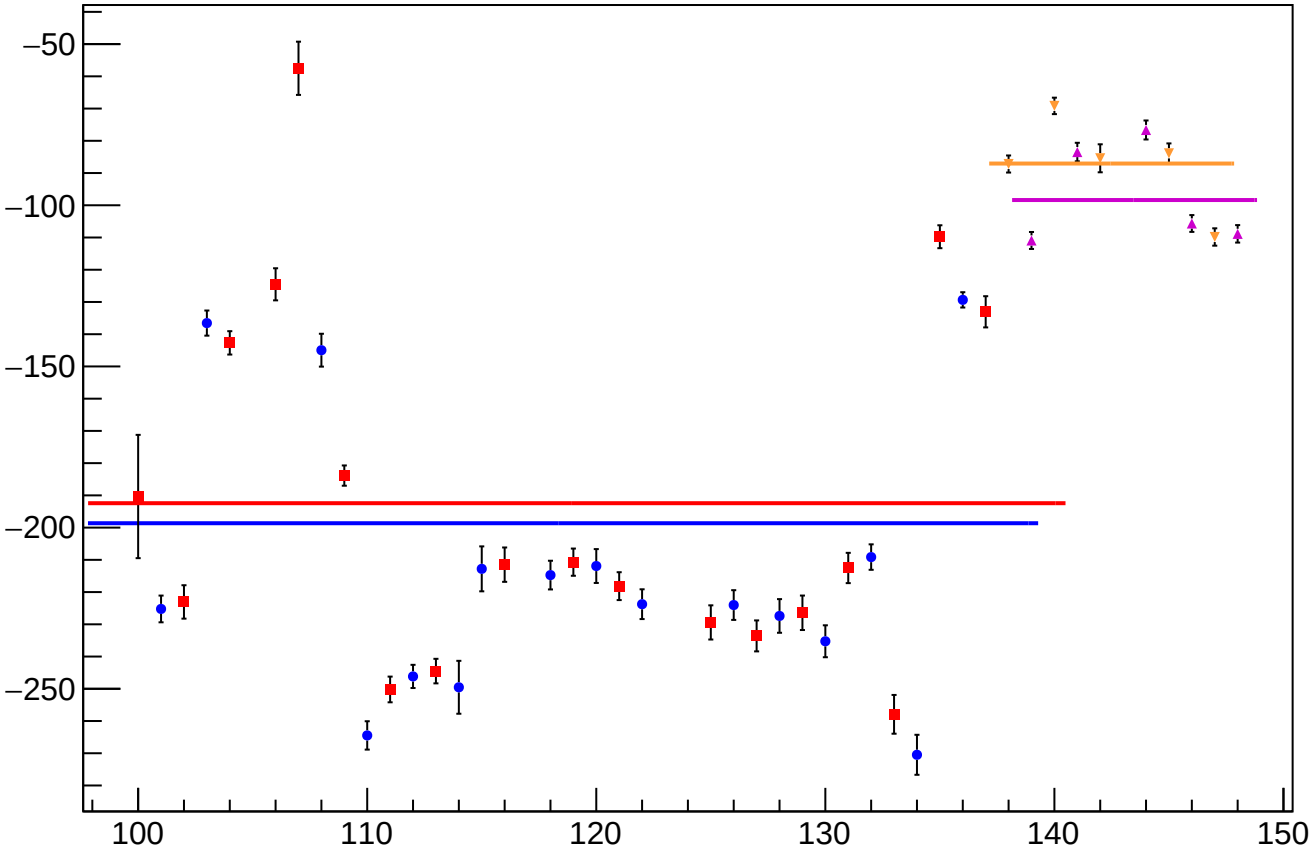
Left In: 1.276+/-0.825 χ^2/NDF:91.6/4

+ sign 5.406+/-0.678 χ^2/NDF: 271.2/20

All: 4.001+/-0.466 χ^2/NDF: 510.8/43

- sign 2.741+/-0.642 χ^2/NDF: 231.5/22

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -87.056+/-1.299 χ^2/NDF:122.0/4

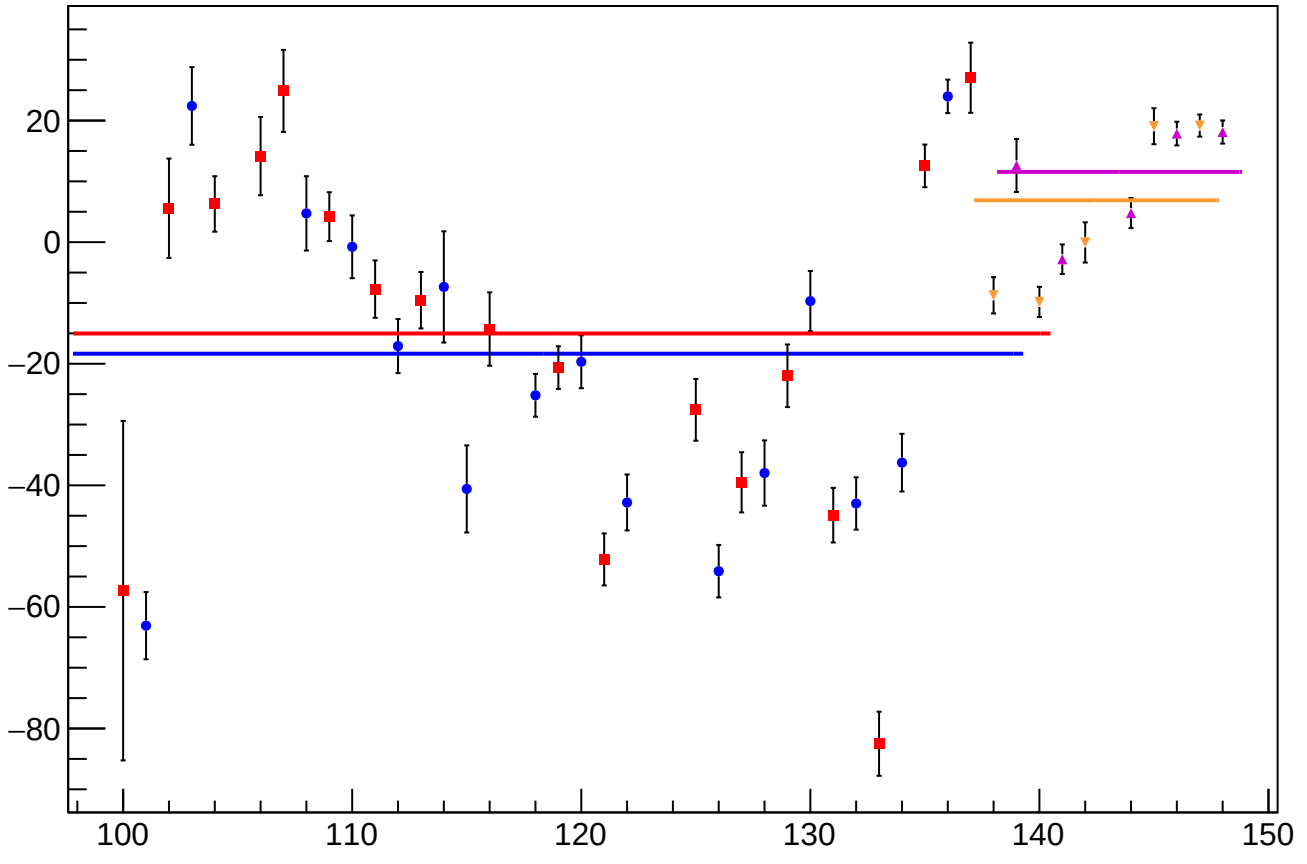
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.375+/-1.227 χ^2/NDF:126.8/4

+ sign -152.877+/-0.832 χ^2/NDF: 6475.0/20

All: -152.109+/-0.581 χ^2/NDF: 12053.8/43

- sign -151.380+/-0.811 χ^2/NDF: 5577.1/22



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

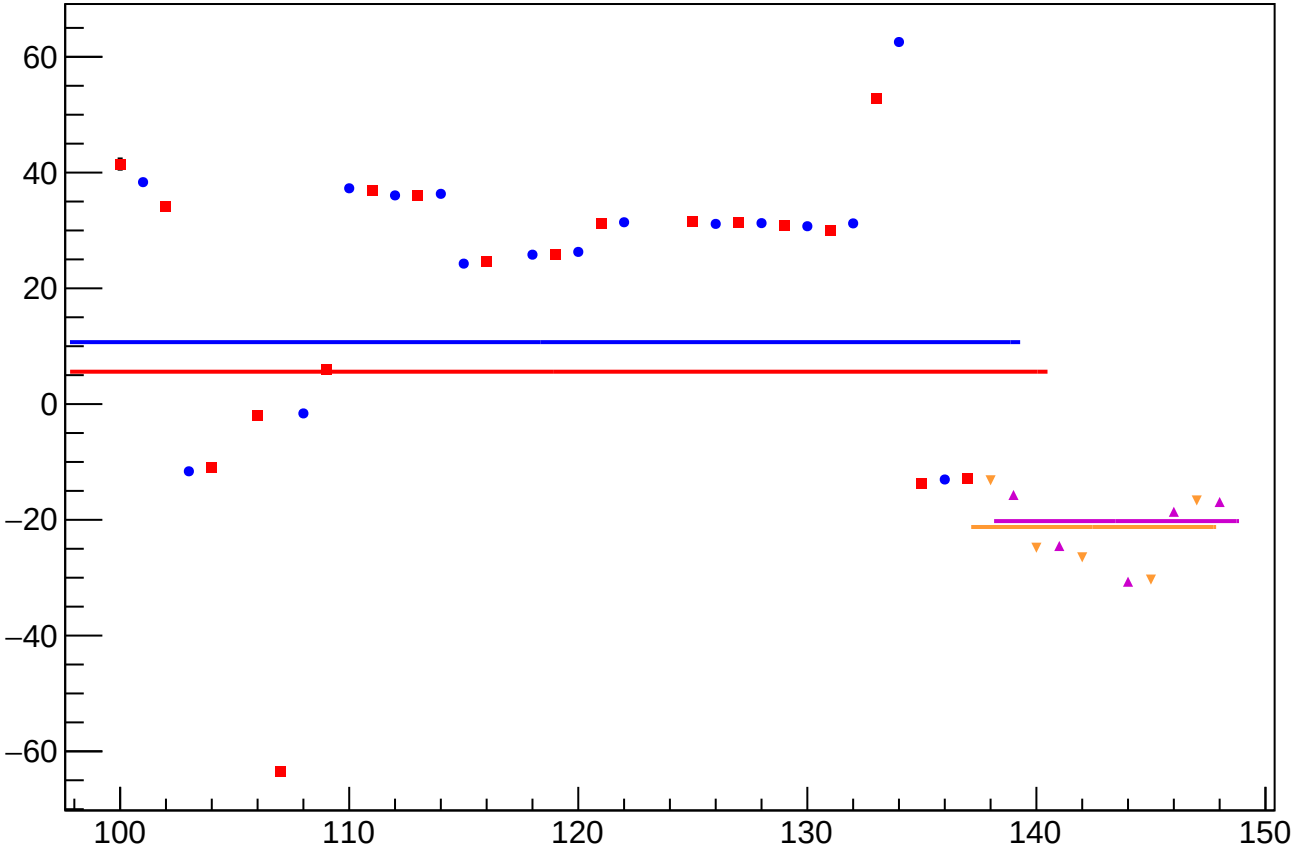
Left In: 11.560+/-1.041 χ^2/NDF:64.6/4

+ sign -5.423+/-0.810 χ^2/NDF: 926.2/20

All: -2.739+/-0.560 χ^2/NDF: 1848.6/43

- sign -0.278+/-0.775 χ^2/NDF: 901.4/22

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -21.238+/-0.054 χ^2/NDF:14905.5/4

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

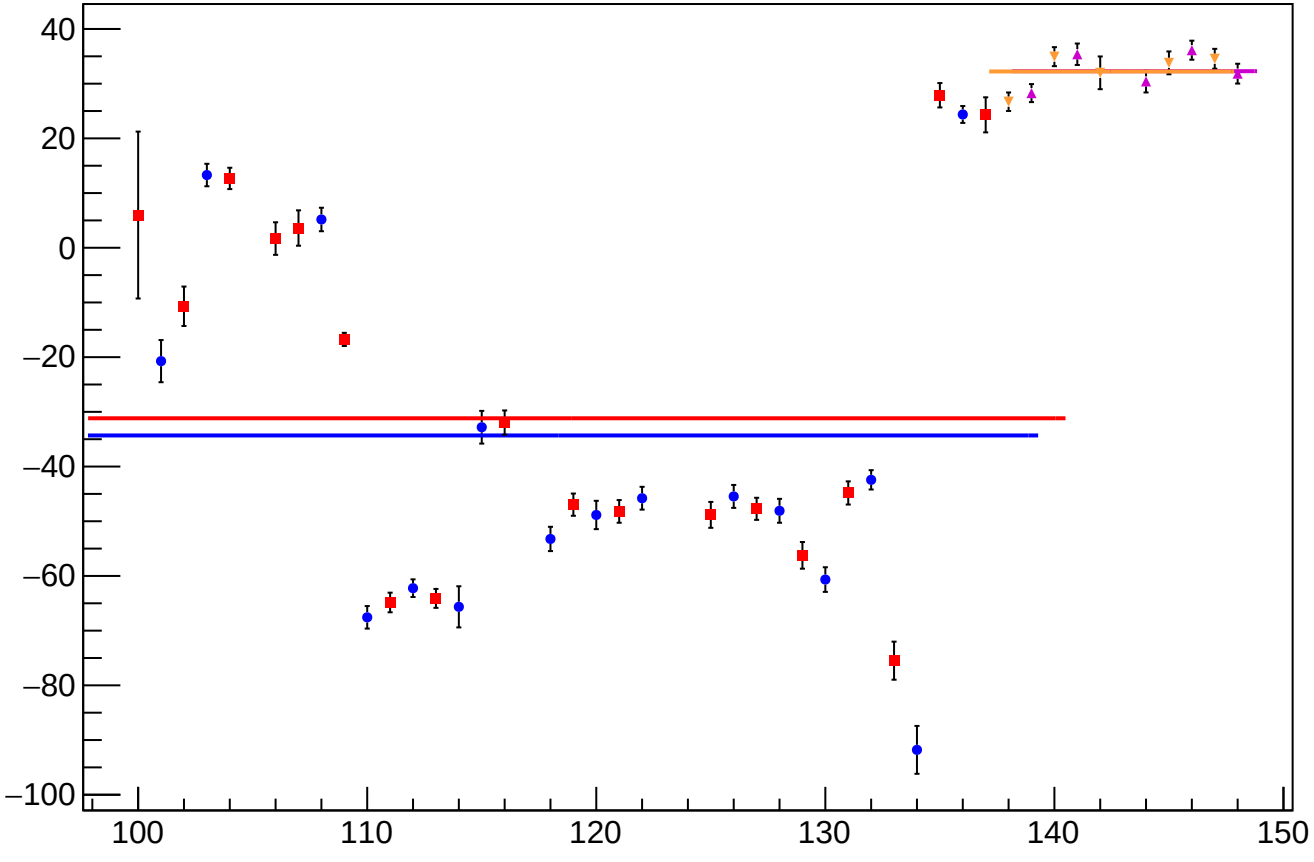
Left In: -20.219+/-0.050 χ^2/NDF:11083.1/4

+ sign -7.604+/-0.041 χ^2/NDF: 327562.9/20

All: -9.105+/-0.028 χ^2/NDF: 598594.6/43

- sign -10.464+/-0.039 χ^2/NDF: 268489.2/22

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

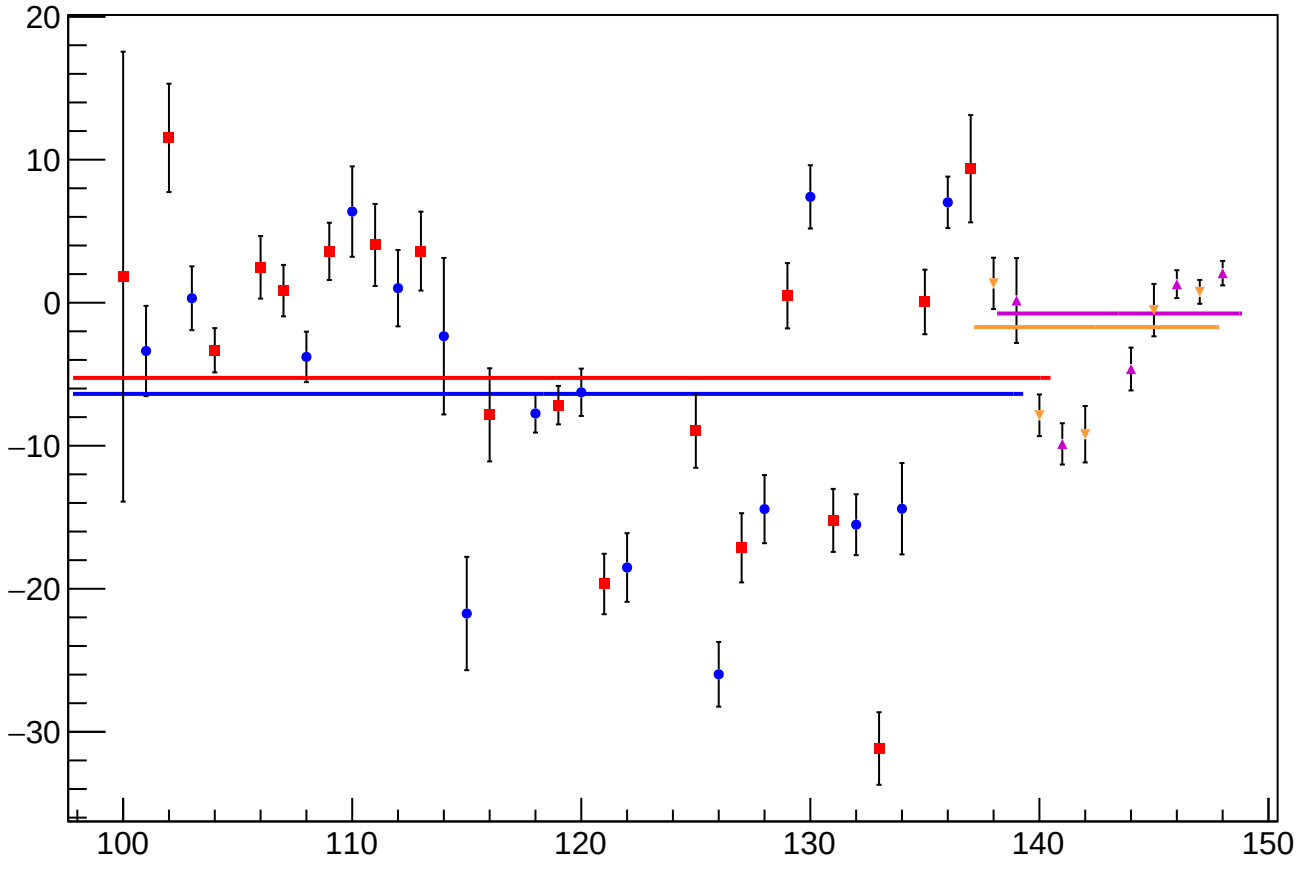
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.284+/-0.814 χ^2/NDF:14.2/4

+ sign -15.366+/-0.463 χ^2/NDF: 7718.1/20

All: -14.118+/-0.317 χ^2/NDF: 15279.4/43

- sign -13.014+/-0.436 χ^2/NDF: 7547.6/22



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

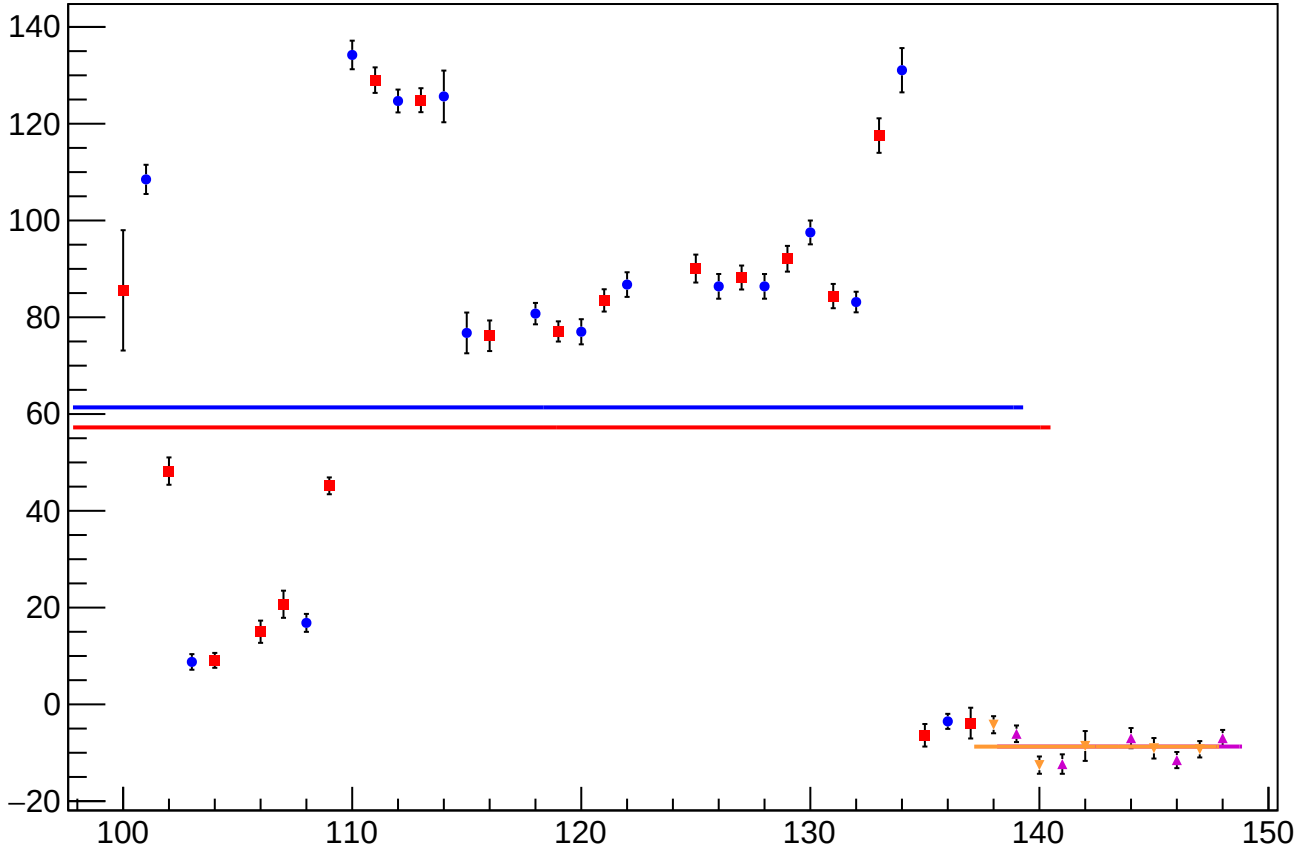
Left In: -0.754+/-0.538 χ^2/NDF:62.0/4

+ sign -4.231+/-0.407 χ^2/NDF: 360.7/20

All: -3.586+/-0.277 χ^2/NDF: 775.7/43

- sign -3.029+/-0.378 χ^2/NDF: 410.3/22

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.732+/-0.873 χ^2/NDF:11.3/4

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

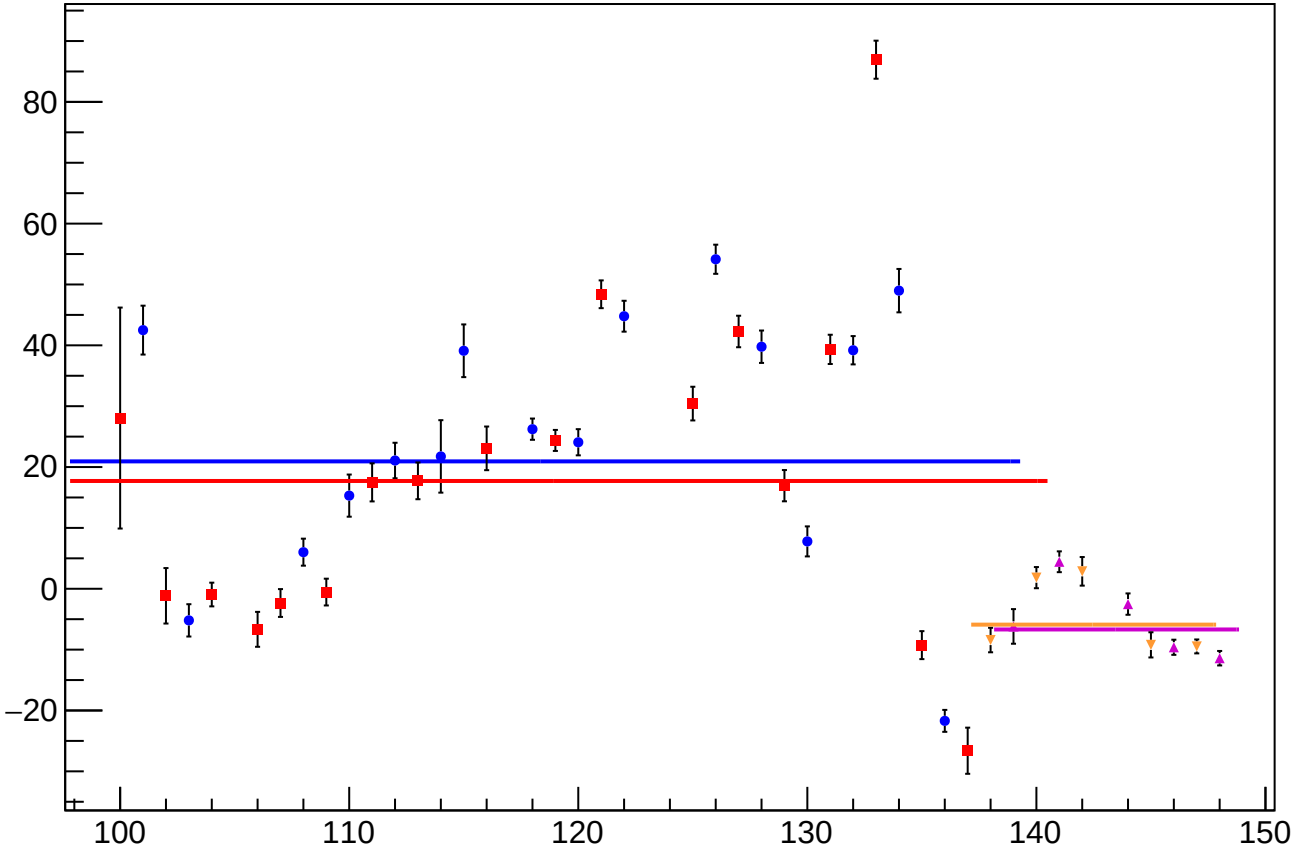
Left In: -8.714+/-0.810 χ^2/NDF:10.2/4

\+ sign 39.173+/-0.491 χ^2/NDF: 10485.5/20

All: 36.937+/-0.340 χ^2/NDF: 20184.6/43

\- sign 34.876+/-0.472 χ^2/NDF: 9659.3/22

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

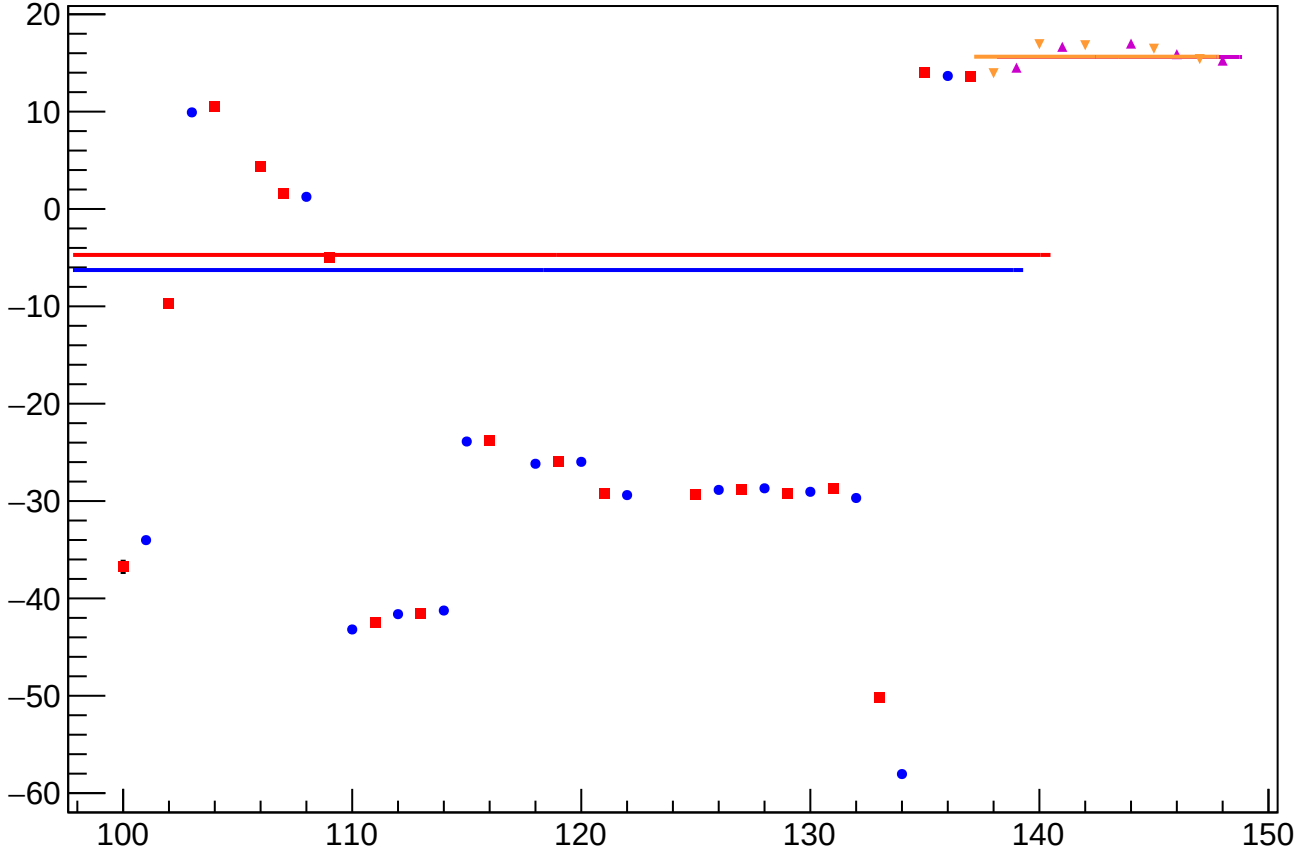
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.689+/-0.683 χ^2/NDF:69.3/4

+ sign 9.706+/-0.488 χ^2/NDF: 2027.7/20

All: 8.125+/-0.334 χ^2/NDF: 4299.9/43

- sign 6.730+/-0.458 χ^2/NDF: 2252.5/22



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.641+/-0.036 χ^2/NDF:1057.7/4

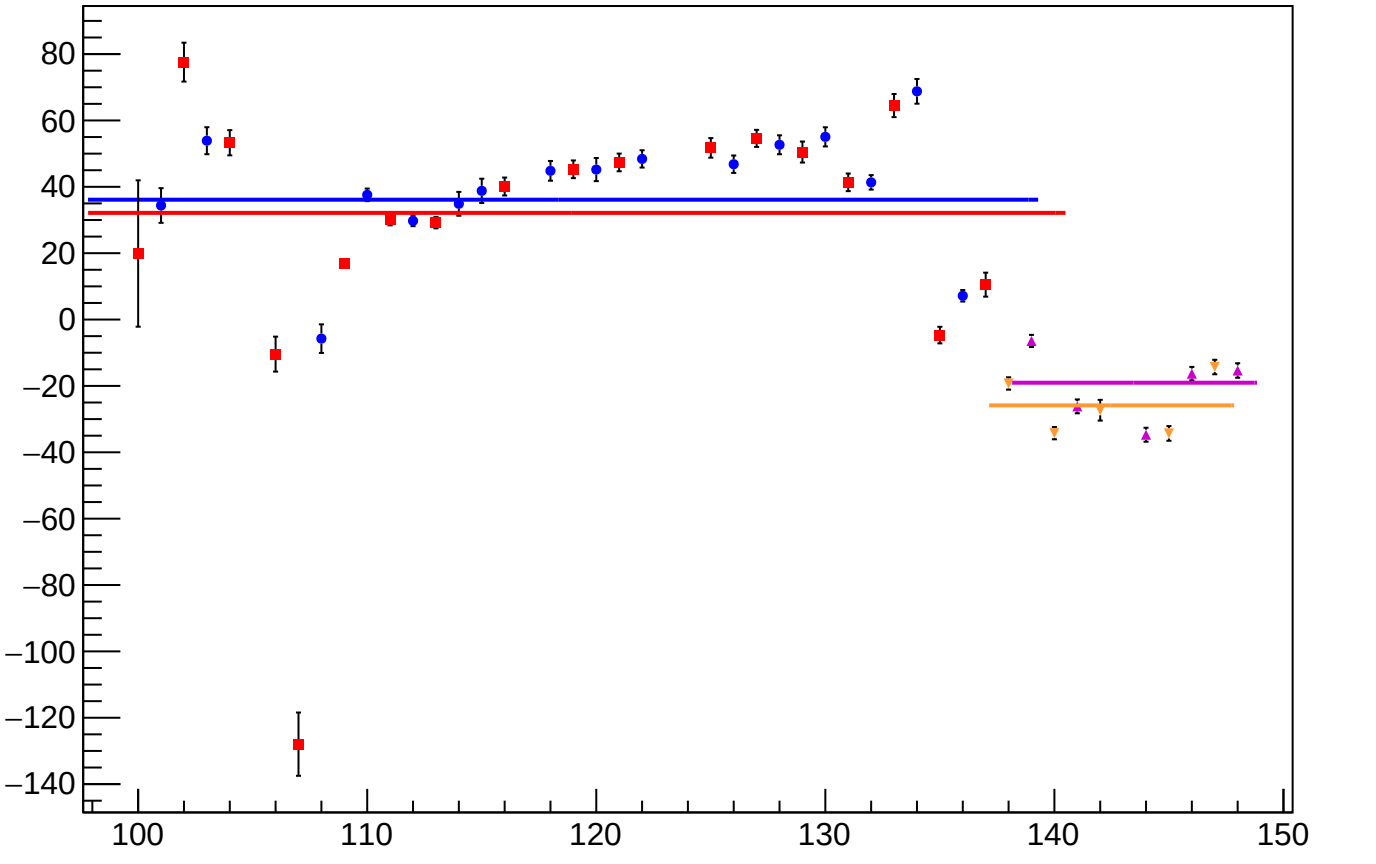
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.611+/-0.033 χ^2/NDF:747.9/4

+ sign 3.735+/-0.025 χ^2/NDF: 607873.7/20

All: 4.802+/-0.017 χ^2/NDF: 1106757.9/43

- sign 5.769+/-0.023 χ^2/NDF: 495307.2/22



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

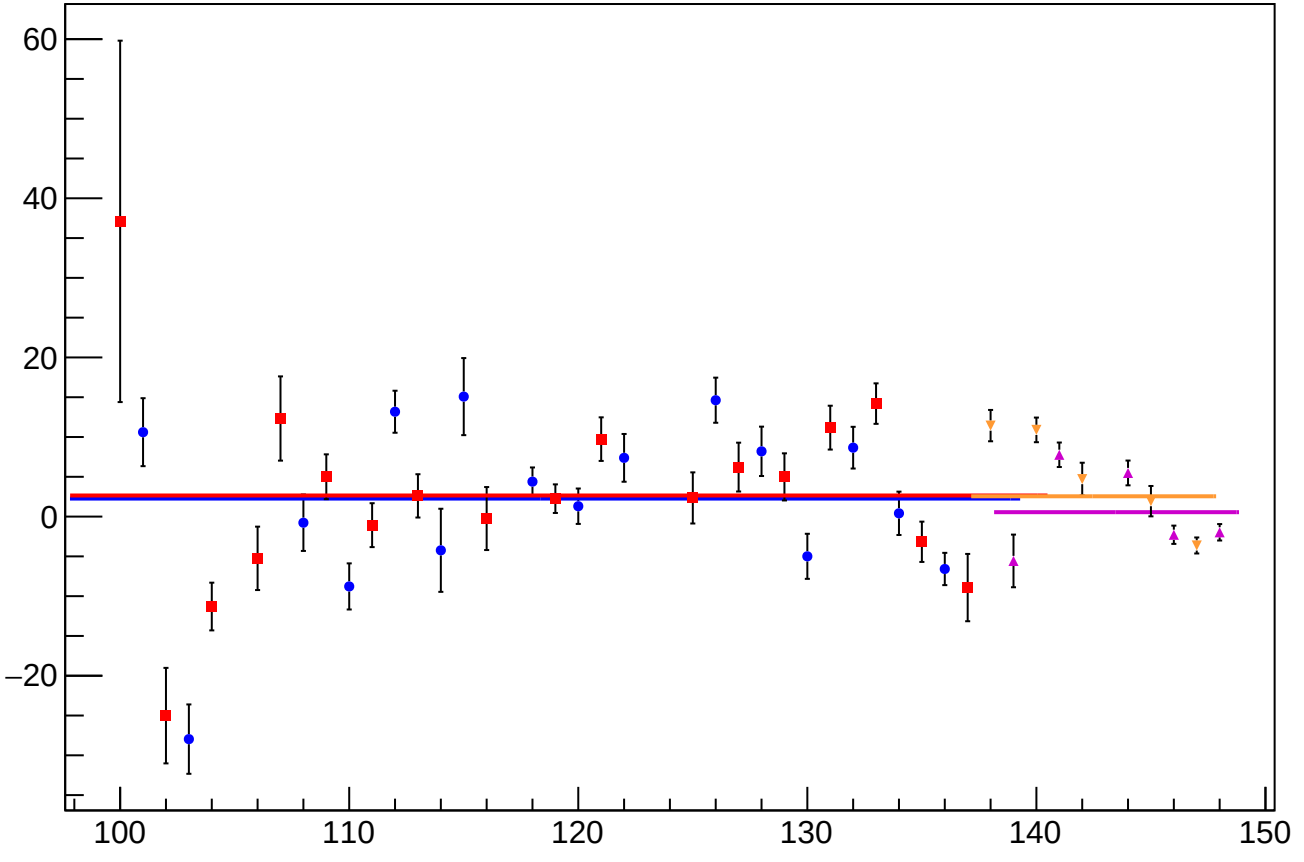
Left In: -19.032+/-0.912 χ^2/NDF:118.7/4

+ sign 16.245+/-0.541 χ^2/NDF: 3557.4/20

All: 15.905+/-0.374 χ^2/NDF: 6922.5/43

- sign 15.592+/-0.519 χ^2/NDF: 3364.4/22

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

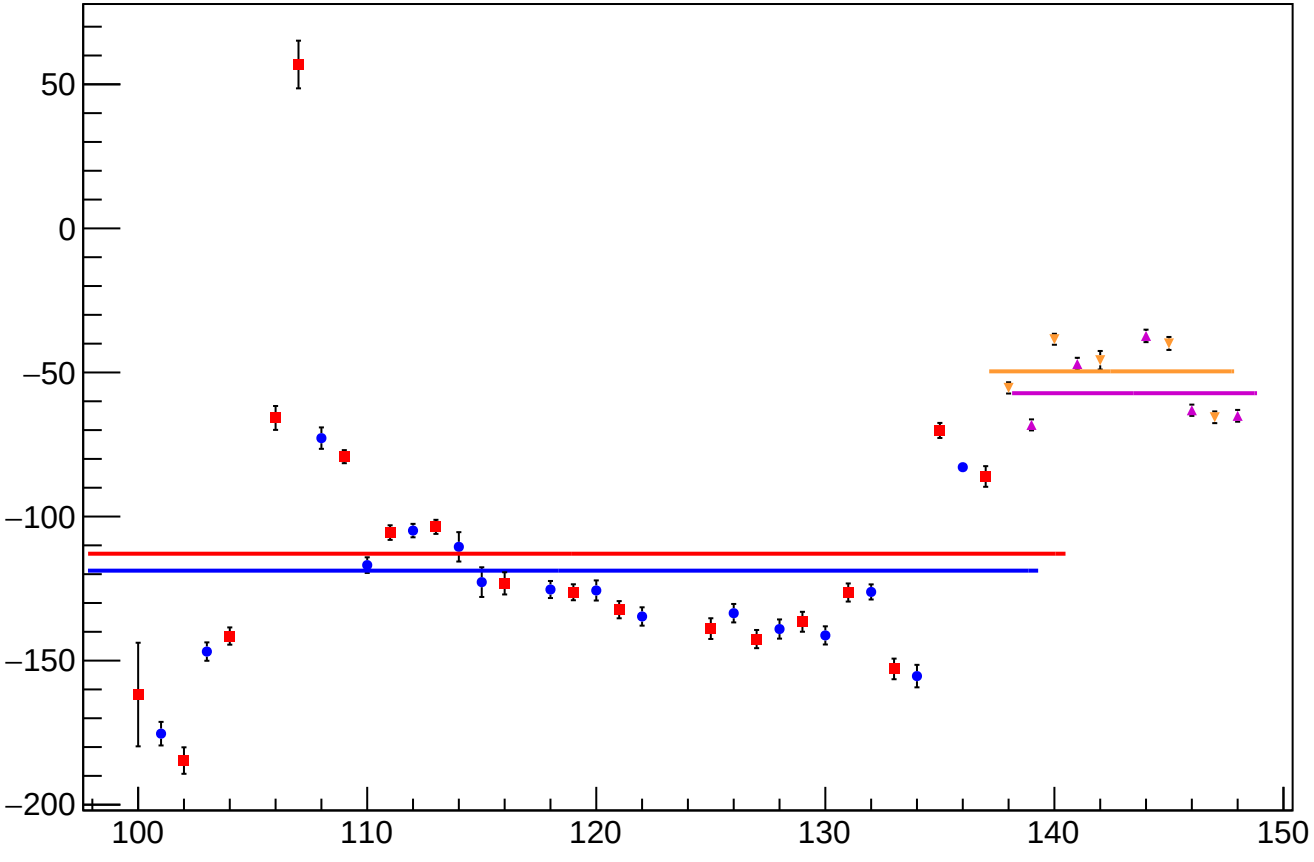
Left In: 0.555+/-0.618 χ^2/NDF:47.5/4

+ sign 2.413+/-0.488 χ^2/NDF: 240.5/20

All: 1.911+/-0.337 χ^2/NDF: 402.2/43

- sign 1.450+/-0.467 χ^2/NDF: 159.7/22

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

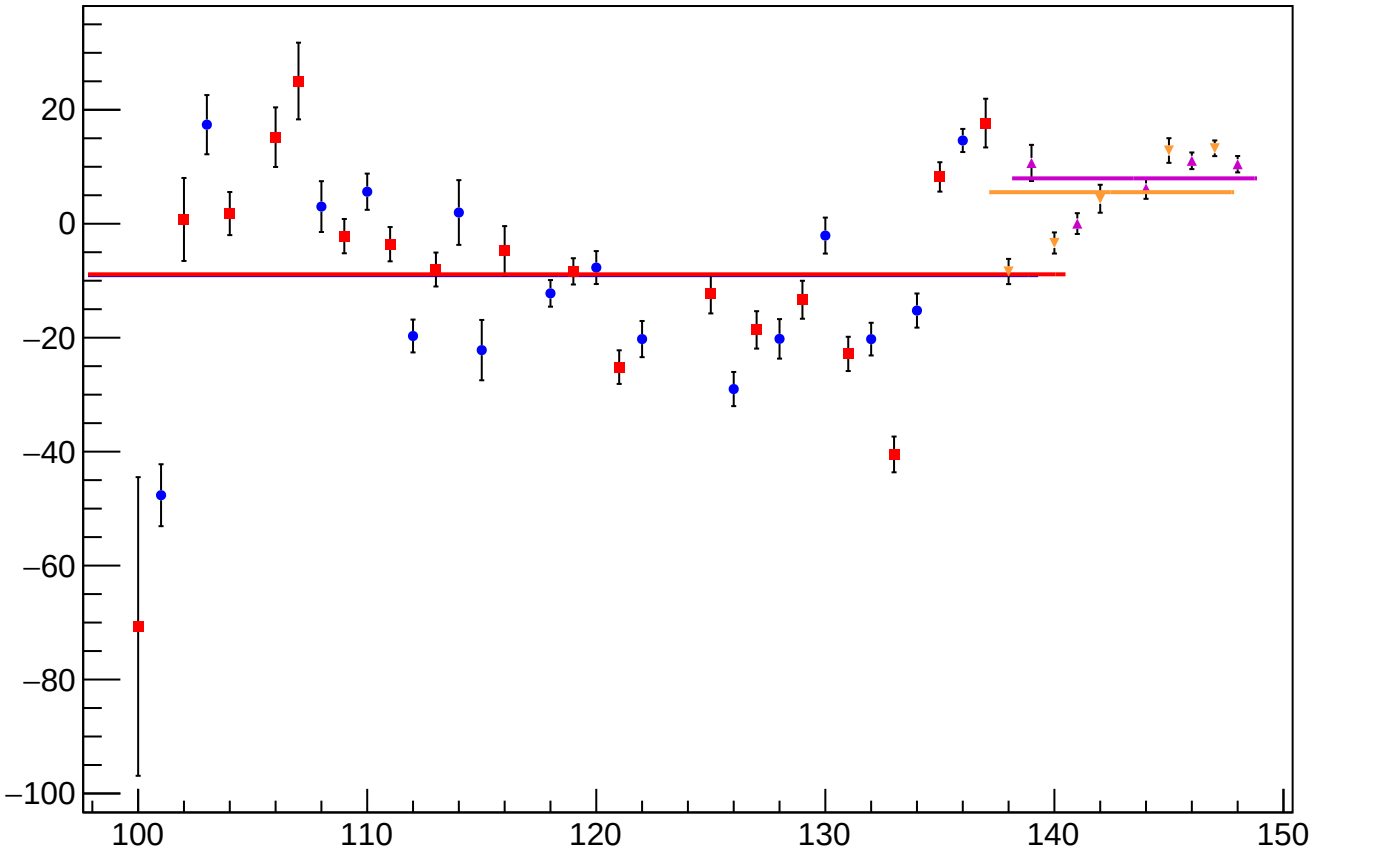
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.198+/-0.911 χ^2/NDF:163.6/4

+ sign -92.441+/-0.596 χ^2/NDF: 4423.7/20

All: -91.196+/-0.417 χ^2/NDF: 8661.6/43

- sign -89.998+/-0.584 χ^2/NDF: 4229.3/22



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 5.538+/-0.844 χ^2/NDF:105.6/4

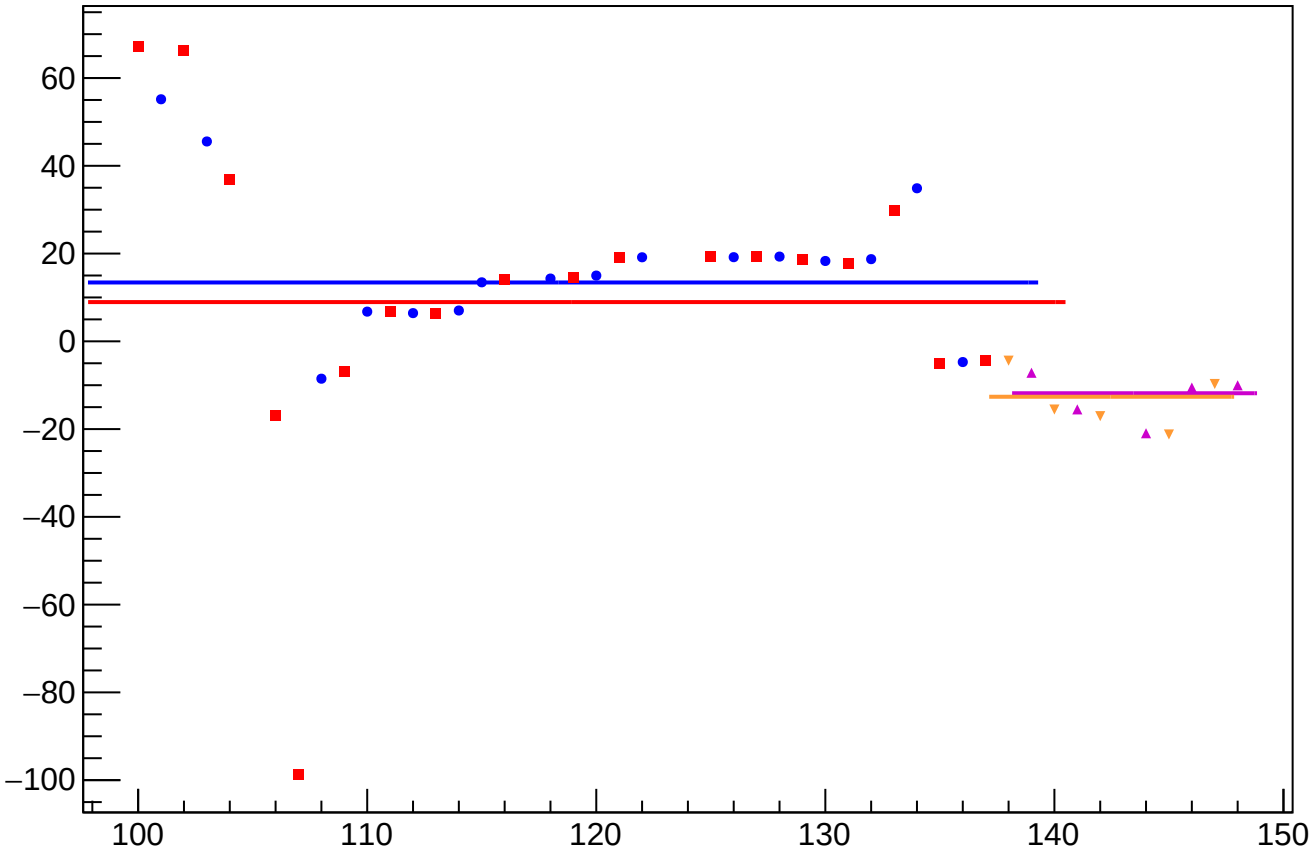
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.965+/-0.778 χ^2/NDF:28.0/4

\+ sign -2.175+/-0.579 χ^2/NDF: 621.1/20

All: -1.109+/-0.403 χ^2/NDF: 1199.3/43

\- sign -0.109+/-0.561 χ^2/NDF: 571.6/22



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -12.632+/-0.040 χ^2/NDF:24217.9/4

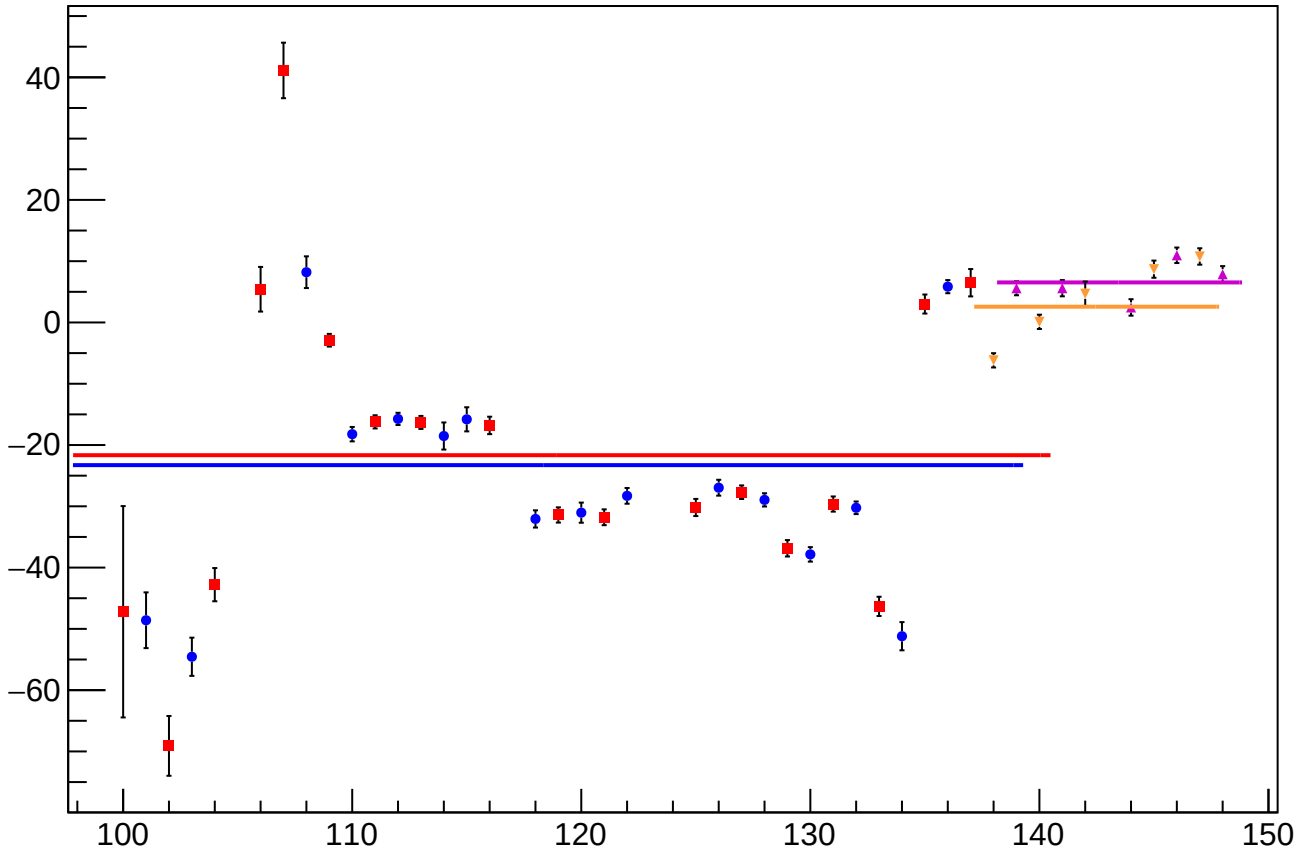
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.829+/-0.037 χ^2/NDF:16023.4/4

+ sign -1.142+/-0.030 χ^2/NDF: 392780.5/20

All: -2.637+/-0.021 χ^2/NDF: 824656.4/43

- sign -4.031+/-0.029 χ^2/NDF: 427101.7/22



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.571+/-0.599 χ^2/NDF:118.5/4

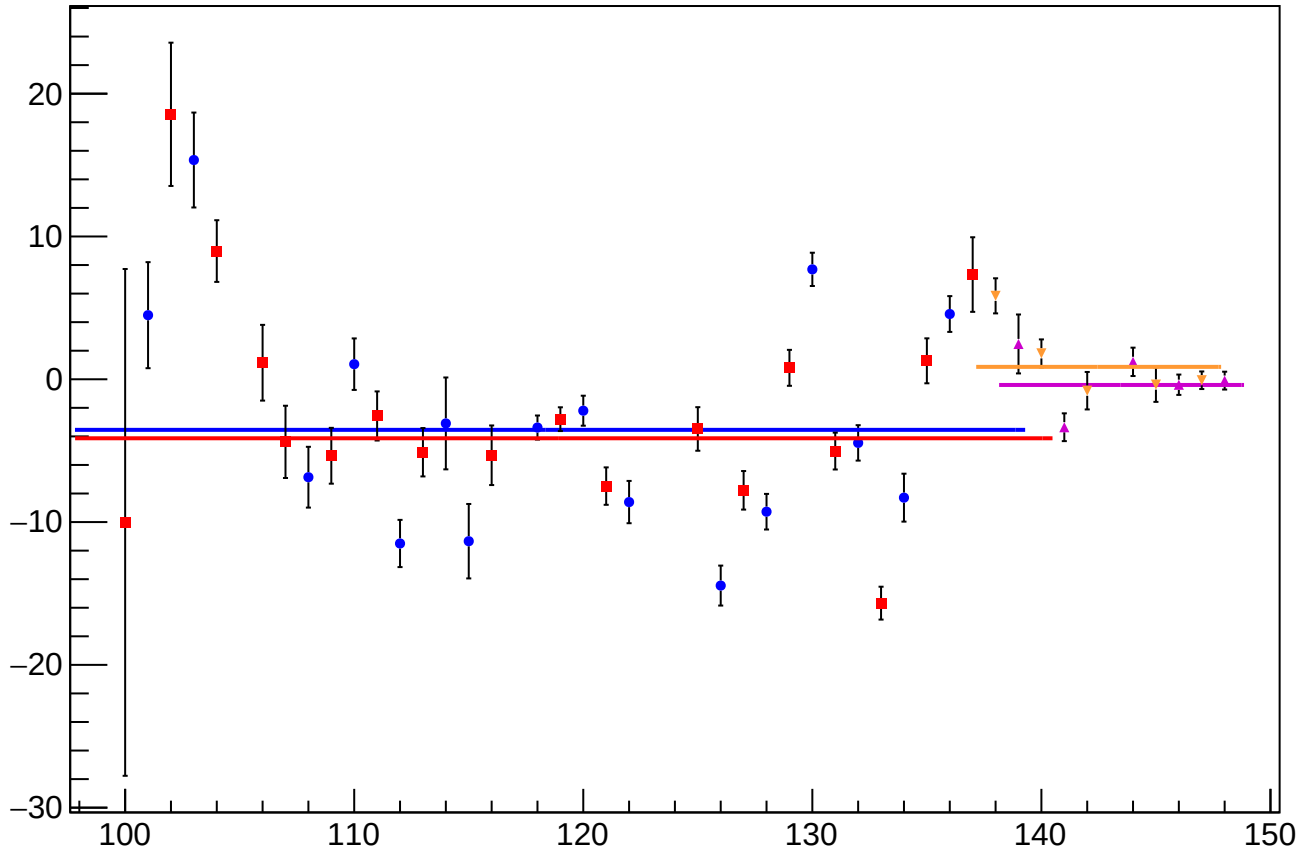
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.534+/-0.569 χ^2/NDF:23.7/4

+ sign -16.683+/-0.302 χ^2/NDF: 3075.7/20

All: -15.321+/-0.212 χ^2/NDF: 6740.2/43

- sign -14.012+/-0.296 χ^2/NDF: 3624.7/22



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.869+/-0.422 χ^2/NDF:22.3/4

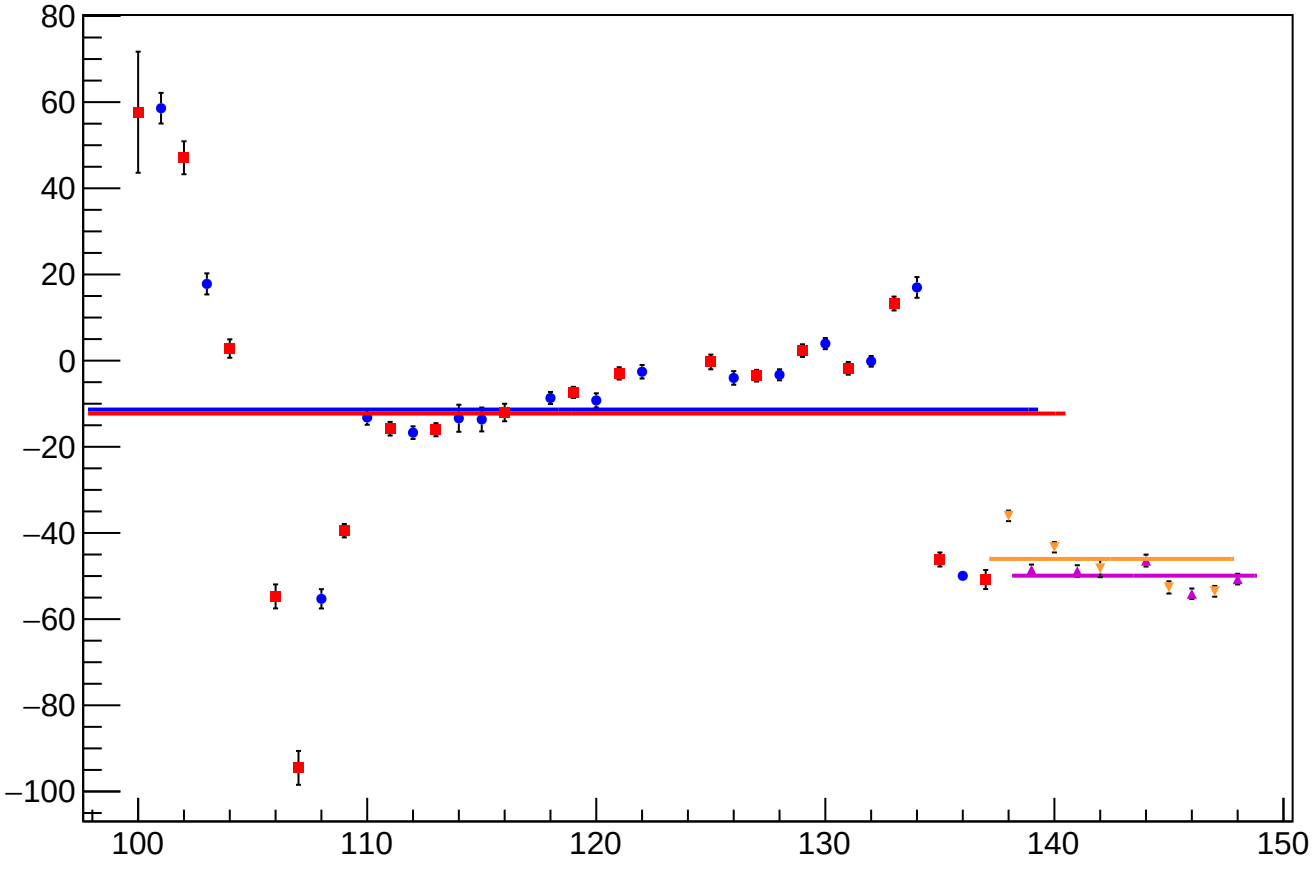
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.398+/-0.382 χ^2/NDF:14.1/4

+ sign -1.669+/-0.275 χ^2/NDF: 401.9/20

All: -2.007+/-0.191 χ^2/NDF: 695.5/43

- sign -2.324+/-0.266 χ^2/NDF: 290.7/22



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.024+/-0.604 χ^2/NDF:131.3/4

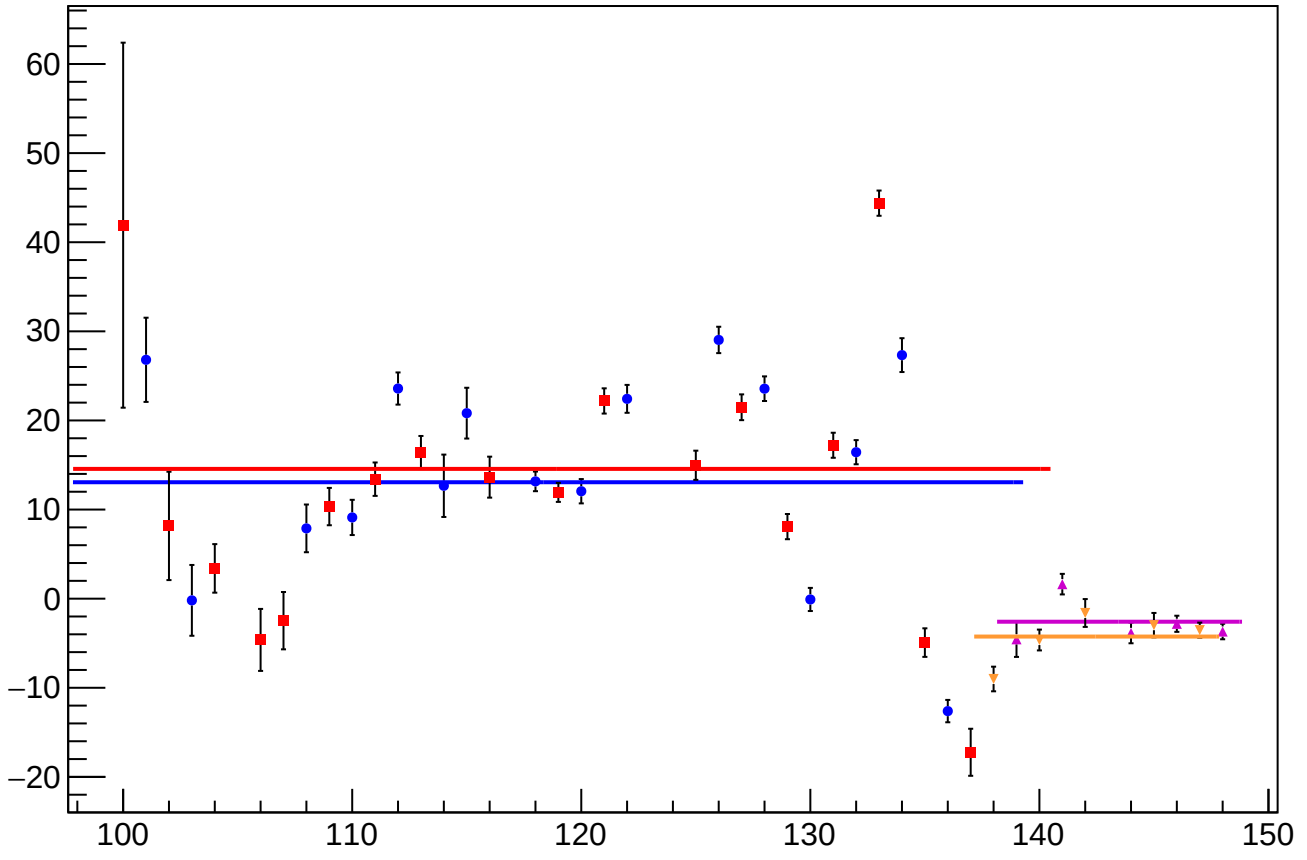
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.910+/-0.568 χ^2/NDF:20.8/4

+ sign -22.133+/-0.337 χ^2/NDF: 5063.4/20

All: -23.733+/-0.237 χ^2/NDF: 10590.9/43

- sign -25.307+/-0.334 χ^2/NDF: 5482.7/22



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.251+/-0.527 χ^2/NDF:16.4/4

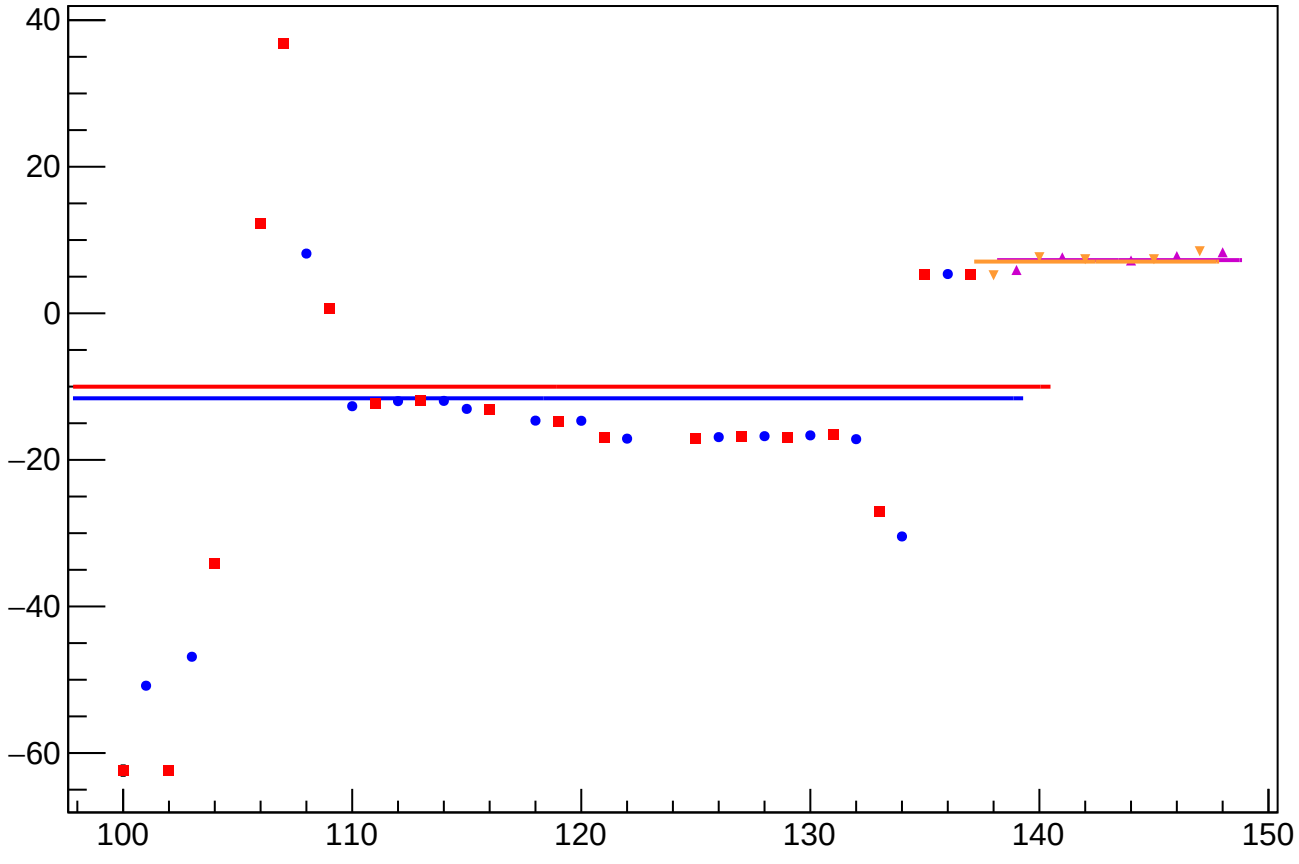
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.587+/-0.483 χ^2/NDF:17.2/4

+ sign 6.441+/-0.326 χ^2/NDF: 1546.9/20

All: 6.794+/-0.228 χ^2/NDF: 3183.6/43

- sign 7.130+/-0.318 χ^2/NDF: 1634.4/22



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

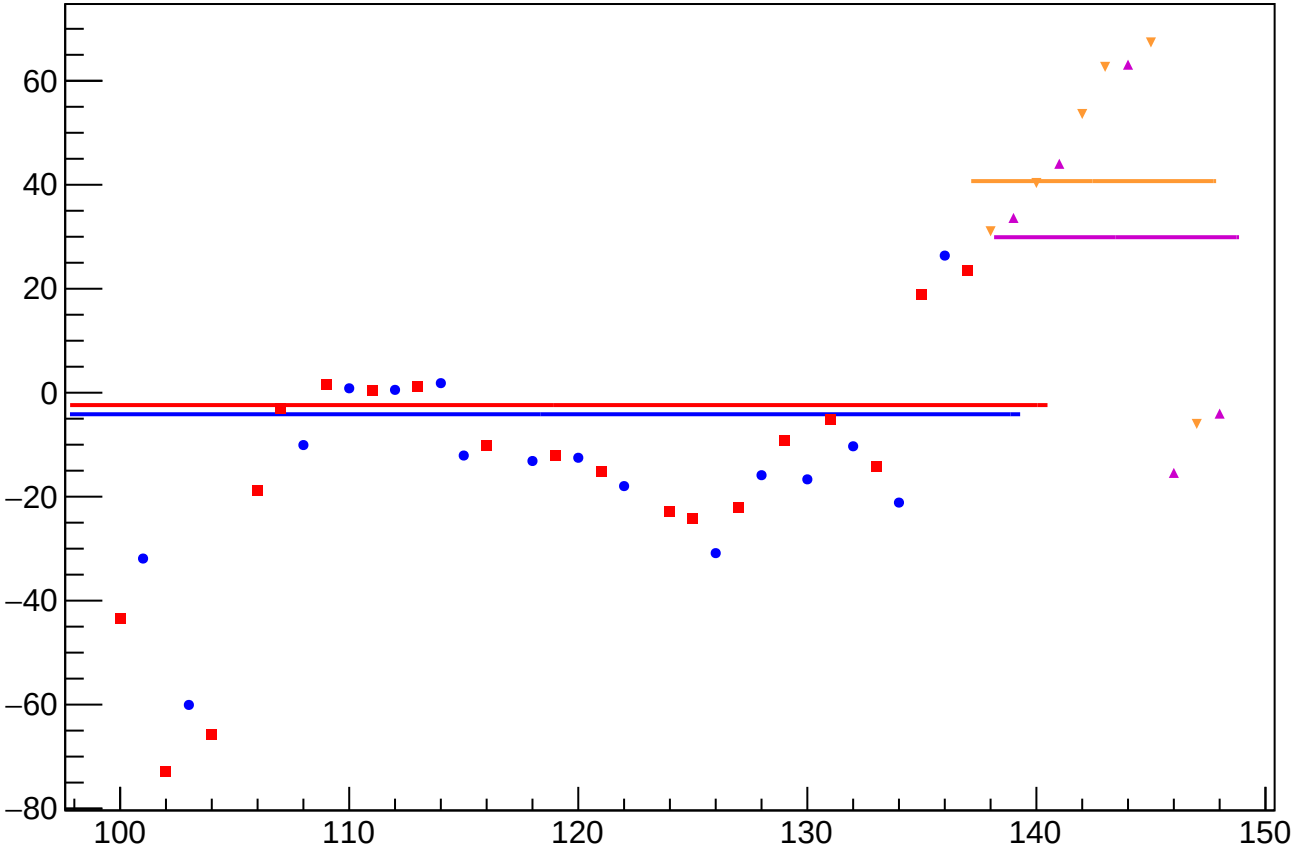
Left In: 7.260+/-0.023 χ^2/NDF:1615.5/4

+ sign -1.865+/-0.018 χ^2/NDF: 625122.5/20

All: -0.811+/-0.013 χ^2/NDF: 1263052.4/43

- sign 0.173+/-0.018 χ^2/NDF: 631443.6/22

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

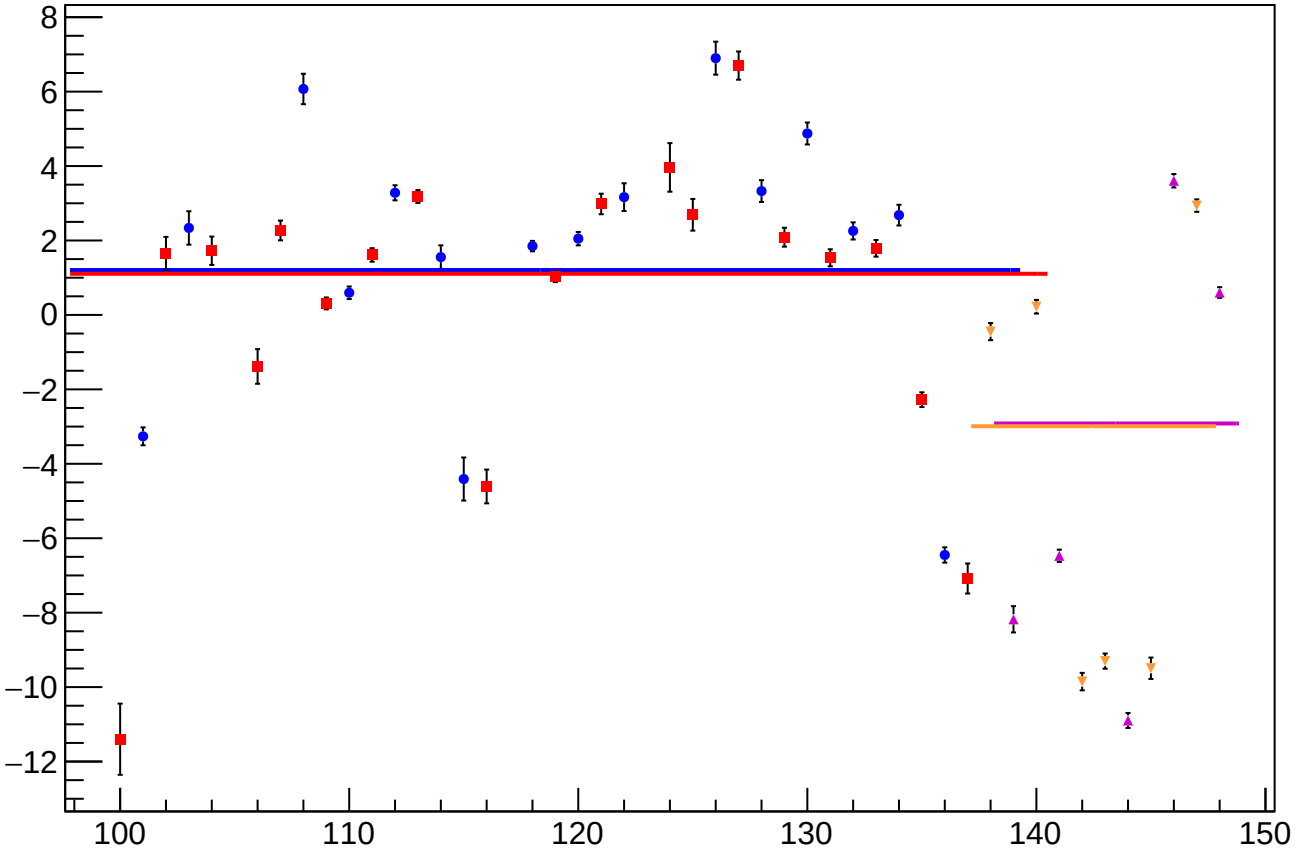
Left In: 29.912+/-0.112 χ^2/NDF:51916.2/4

+ sign 4.658+/-0.049 χ^2/NDF: 239835.8/21

All: 3.327+/-0.032 χ^2/NDF: 445117.2/45

- sign 2.319+/-0.043 χ^2/NDF: 203984.7/23

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.991+/-0.085 χ^2/NDF:4008.9/5

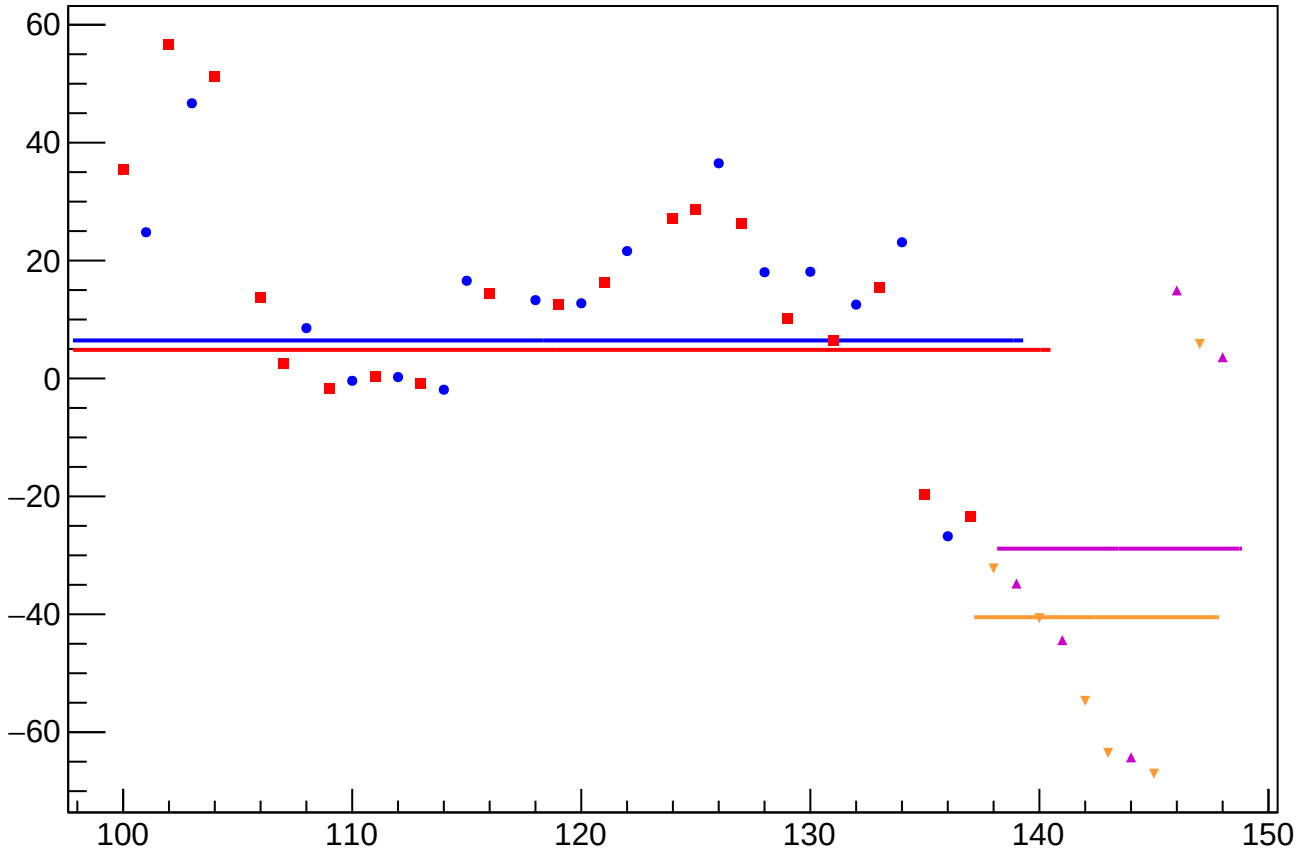
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -2.917+/-0.082 χ^2/NDF:4147.9/4

+ sign -0.206+/-0.049 χ^2/NDF: 8215.7/21

All: -0.207+/-0.034 χ^2/NDF: 15564.2/45

- sign -0.207+/-0.047 χ^2/NDF: 7348.5/23



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

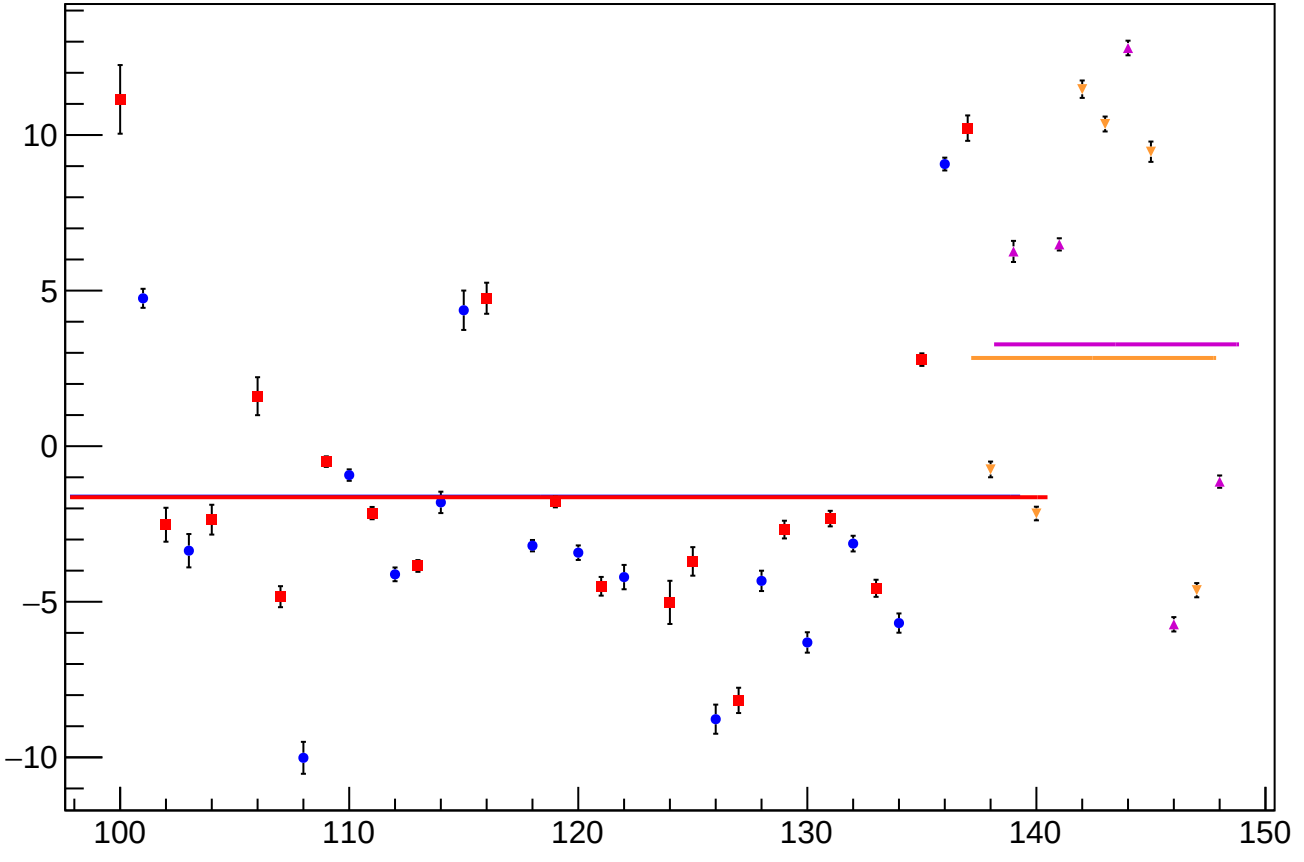
Left In: -28.864+/-0.113 χ^2/NDF:55077.4/4

\+ sign -5.251+/-0.057 χ^2/NDF: 233922.2/21

All: -3.735+/-0.038 χ^2/NDF: 435807.3/45

\- sign -2.432+/-0.052 χ^2/NDF: 200545.7/23

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

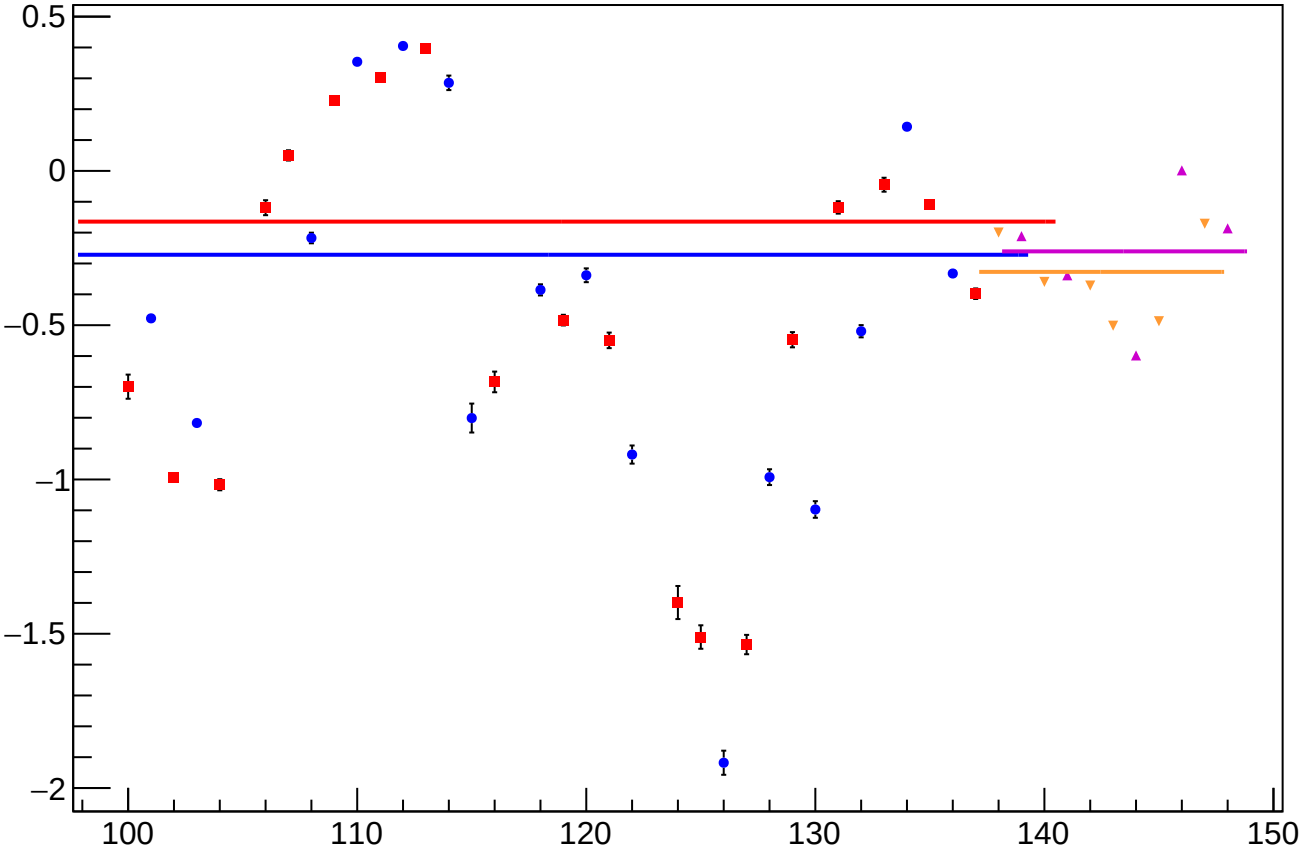
Left In: 3.272+/-0.102 χ^2/NDF:3993.4/4

\+ sign -0.215+/-0.058 χ^2/NDF: 9957.9/21

All: -0.221+/-0.040 χ^2/NDF: 18079.0/45

\- sign -0.227+/-0.054 χ^2/NDF: 8121.1/23

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

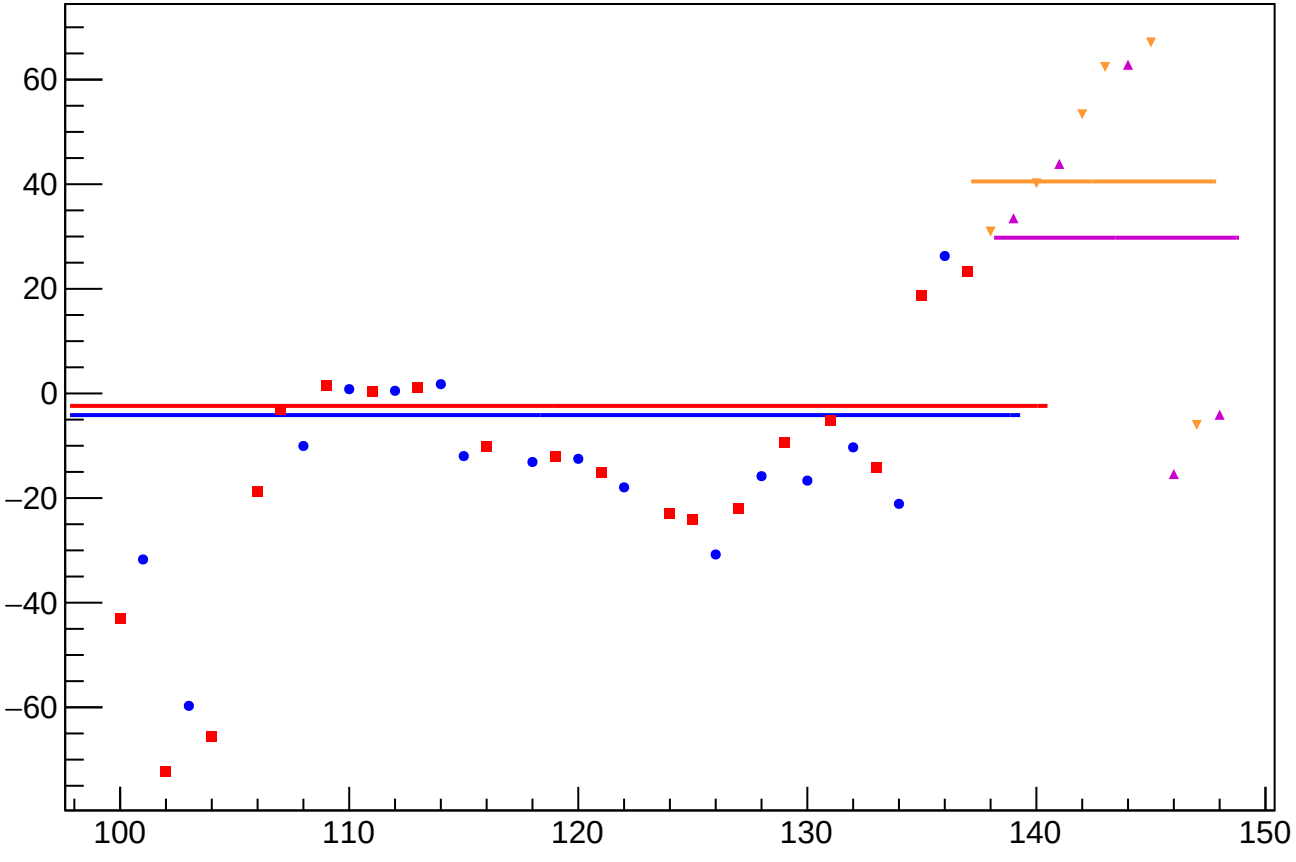
Left In: -0.261+/-0.004 χ^2/NDF:1266.8/4

+ sign -0.296+/-0.003 χ^2/NDF: 12850.5/21

All: -0.248+/-0.002 χ^2/NDF: 30353.3/45

- sign -0.205+/-0.003 χ^2/NDF: 17034.9/23

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

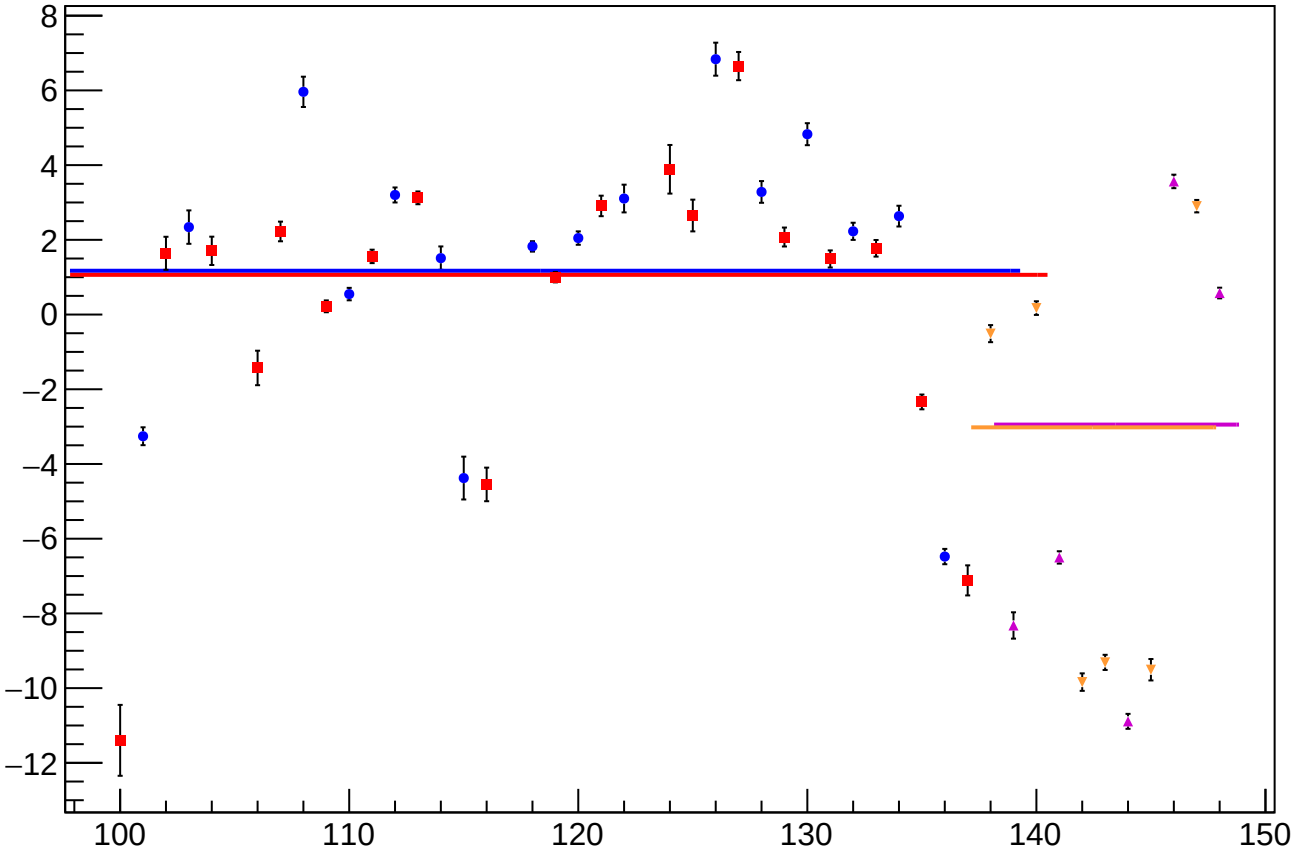
Left In: 29.776+/-0.111 χ^2/NDF:51939.0/4

+ sign 4.589+/-0.049 χ^2/NDF: 239743.7/21

All: 3.271+/-0.032 χ^2/NDF: 444862.9/45

- sign 2.275+/-0.042 χ^2/NDF: 203836.0/23

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

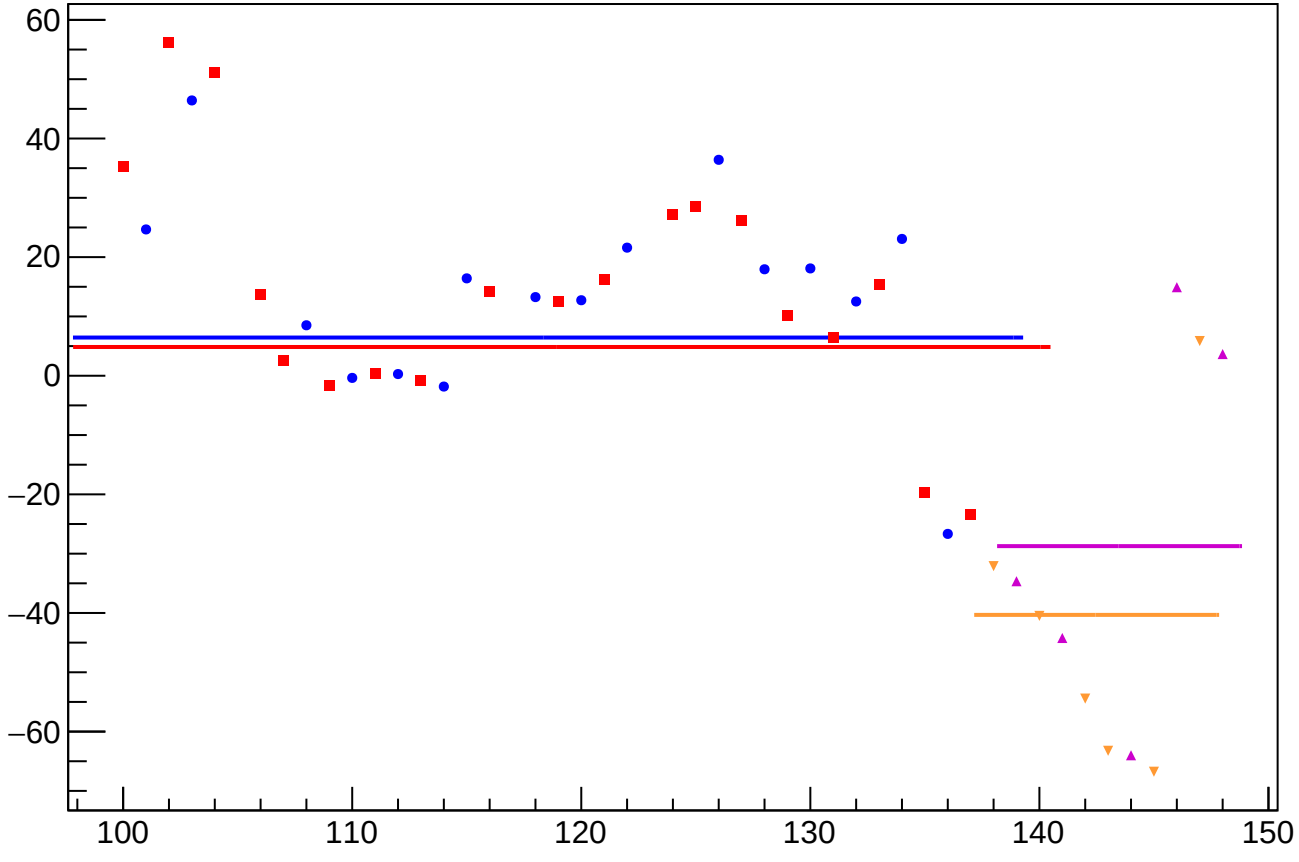
Left In: -2.946+/-0.082 χ^2/NDF:4166.9/4

+ sign -0.234+/-0.049 χ^2/NDF: 8224.1/21

All: -0.239+/-0.034 χ^2/NDF: 15602.0/45

- sign -0.243+/-0.047 χ^2/NDF: 7377.9/23

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

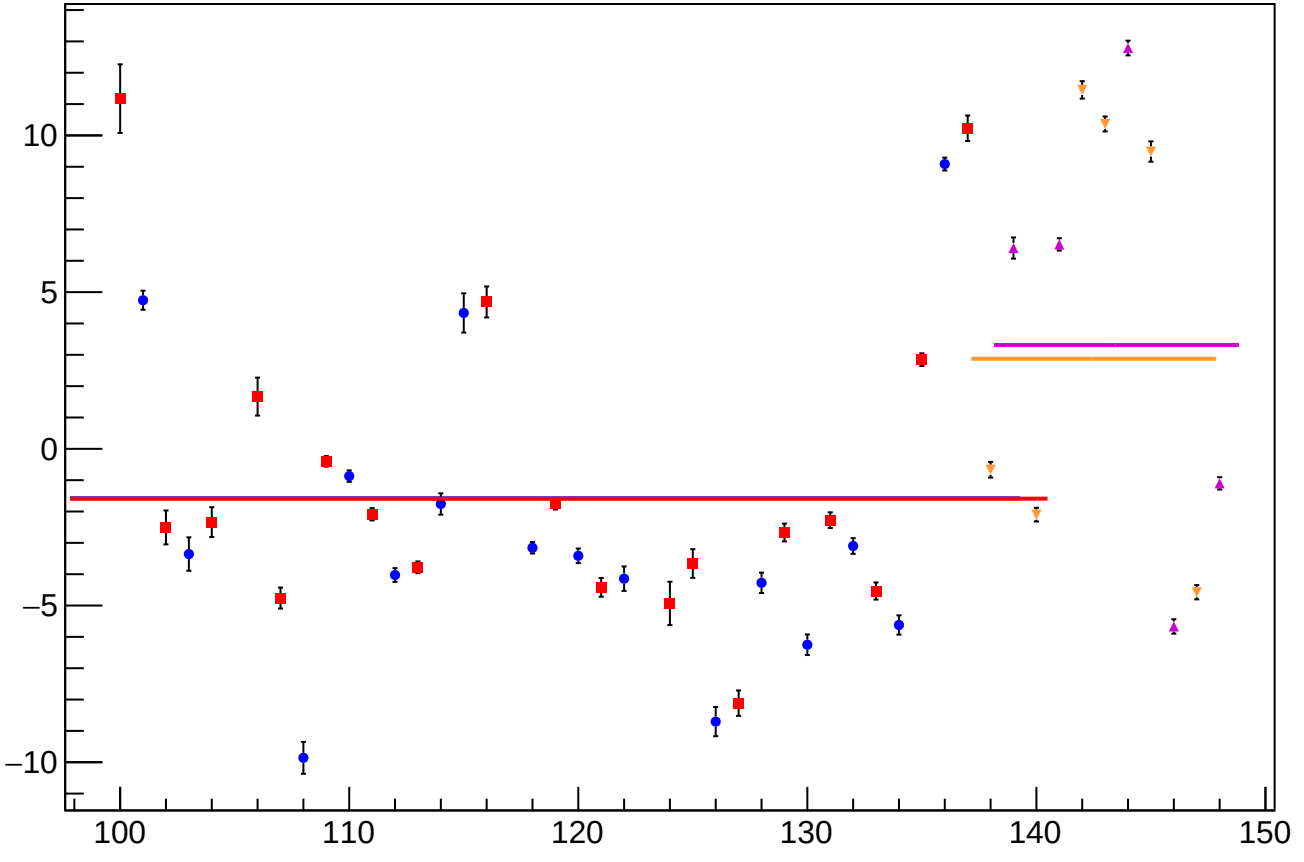
Left In: -28.729+/-0.112 χ^2/NDF:55095.3/4

+ sign -5.177+/-0.056 χ^2/NDF: 233826.7/21

All: -3.672+/-0.038 χ^2/NDF: 435551.1/45

- sign -2.379+/-0.052 χ^2/NDF: 200392.6/23

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

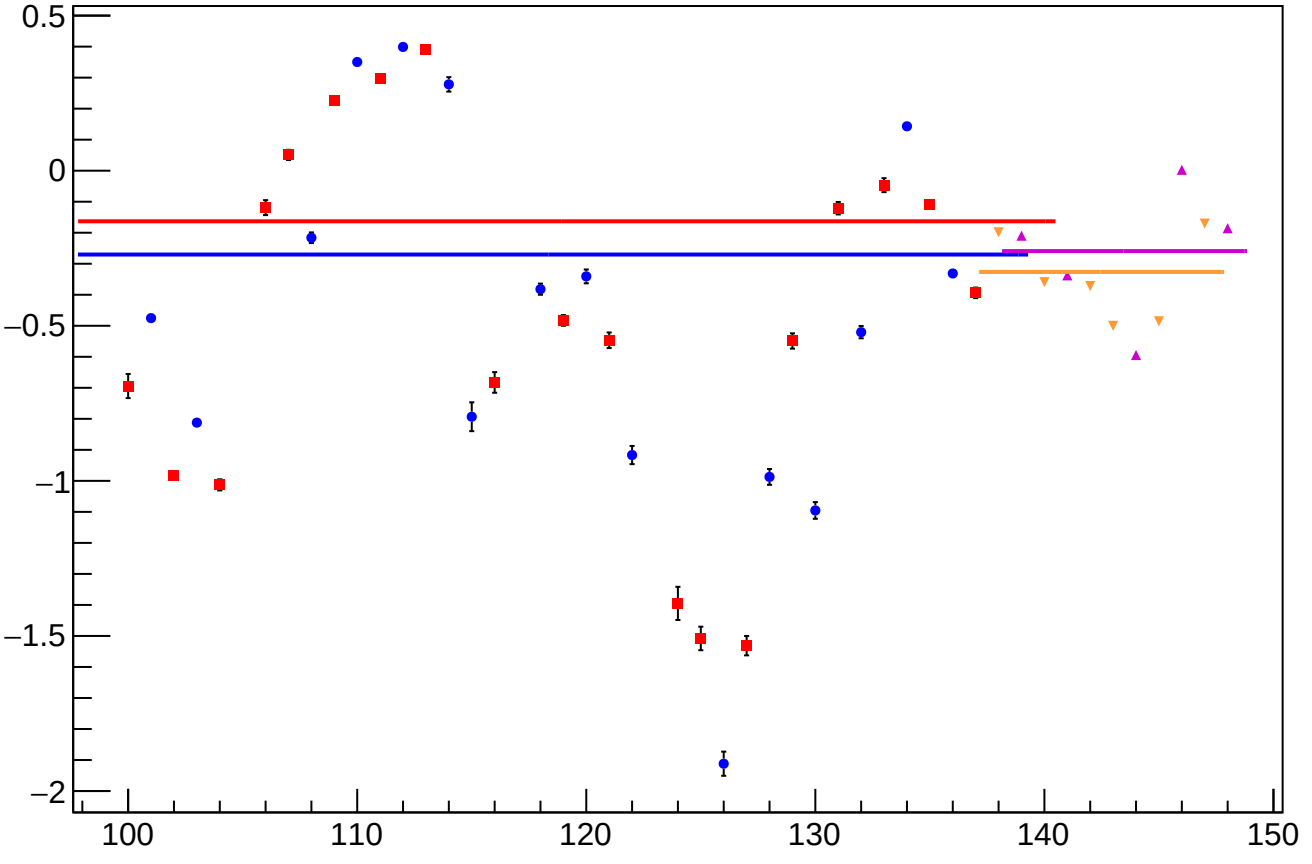
Left In: 3.313+/-0.101 χ^2/NDF:4003.6/4

+ sign -0.178+/-0.057 χ^2/NDF: 9958.2/21

All: -0.180+/-0.039 χ^2/NDF: 18105.2/45

- sign -0.182+/-0.054 χ^2/NDF: 8146.9/23

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

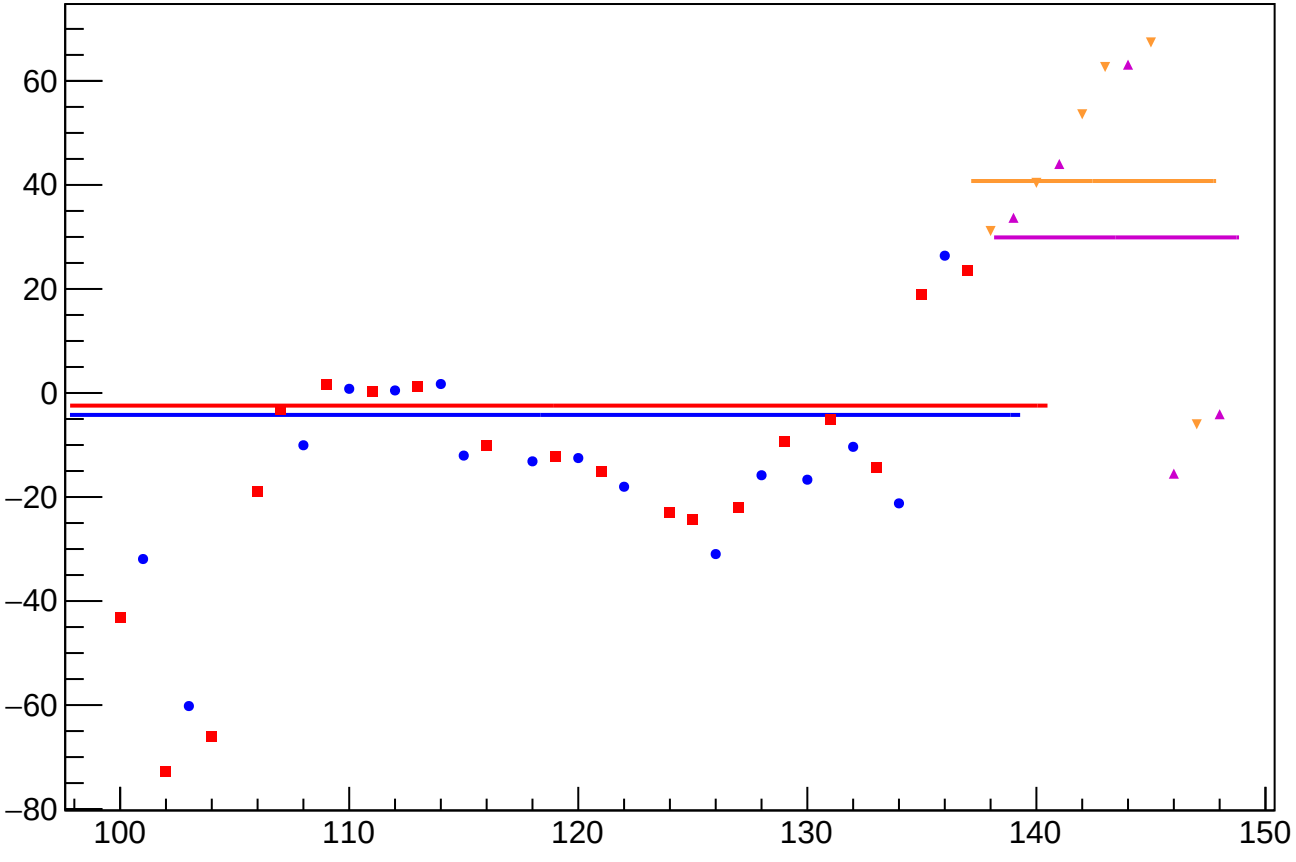
Left In: -0.259+/-0.004 χ^2/NDF:1265.1/4

+ sign -0.295+/-0.003 χ^2/NDF: 12844.6/21

All: -0.246+/-0.002 χ^2/NDF: 30365.0/45

- sign -0.203+/-0.003 χ^2/NDF: 17046.1/23

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

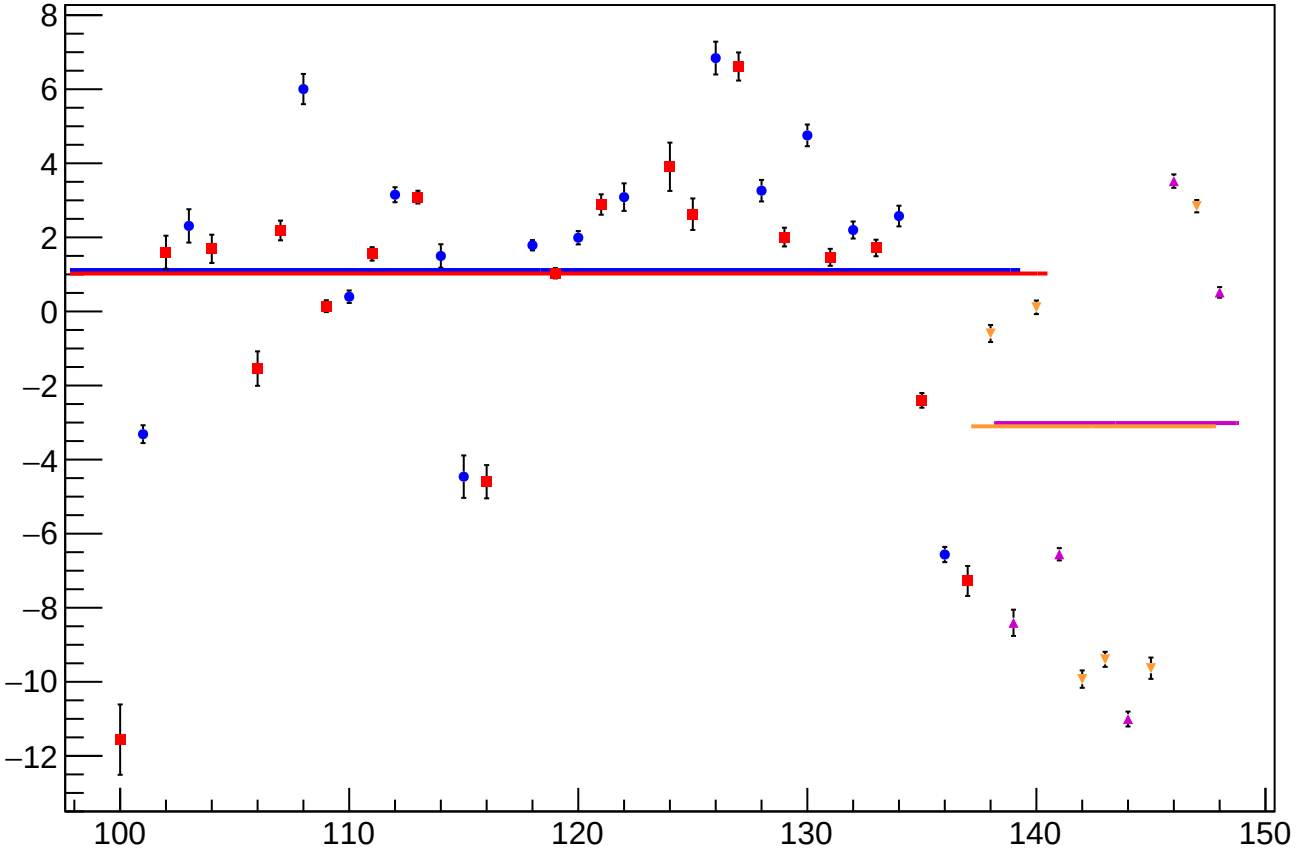
Left In: 29.913+/-0.112 χ^2/NDF:51957.6/4

+ sign 4.602+/-0.049 χ^2/NDF: 240105.5/21

All: 3.279+/-0.032 χ^2/NDF: 445414.7/45

- sign 2.278+/-0.043 χ^2/NDF: 204031.4/23

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

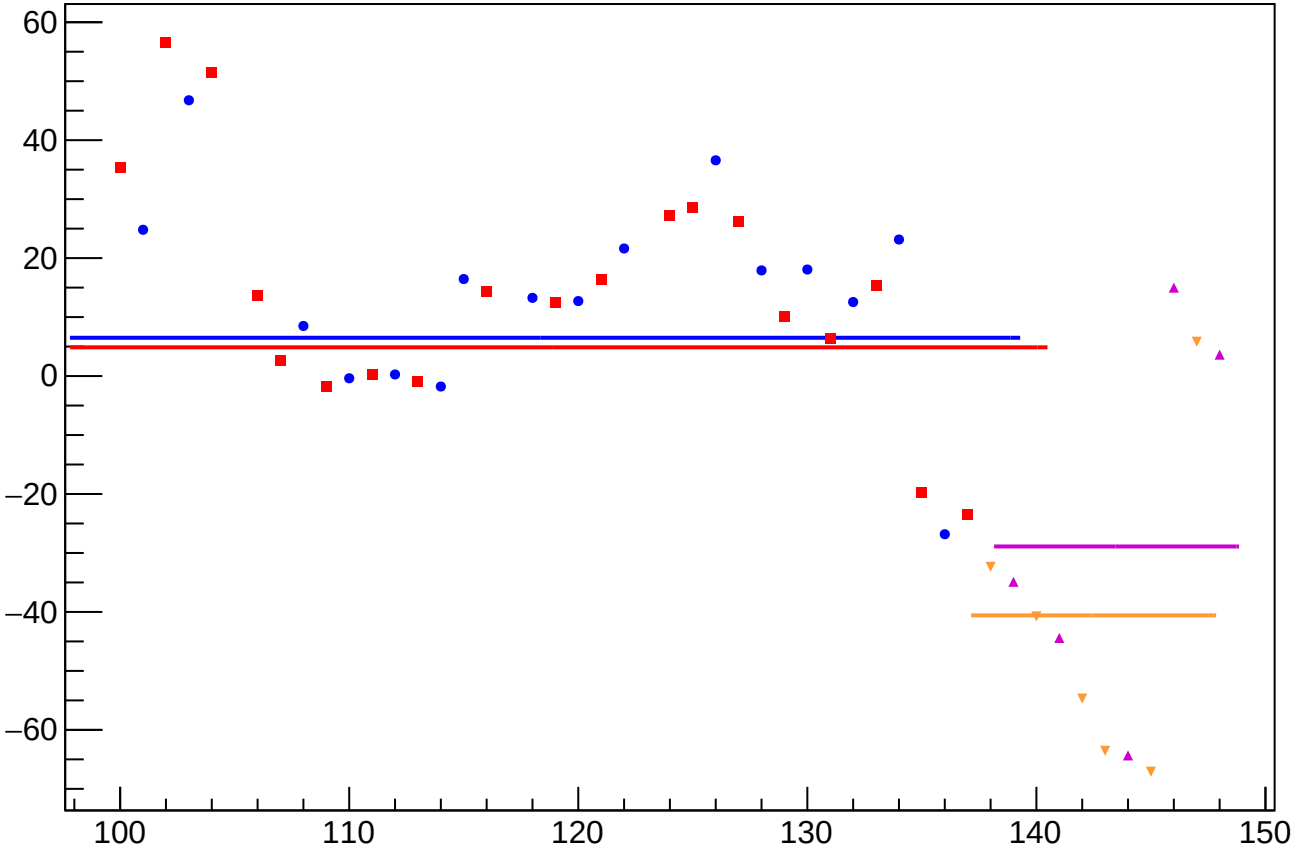
Left In: -3.014+/-0.082 χ^2/NDF:4158.3/4

+ sign -0.299+/-0.049 χ^2/NDF: 8226.2/21

All: -0.295+/-0.034 χ^2/NDF: 15619.6/45

- sign -0.293+/-0.047 χ^2/NDF: 7393.4/23

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

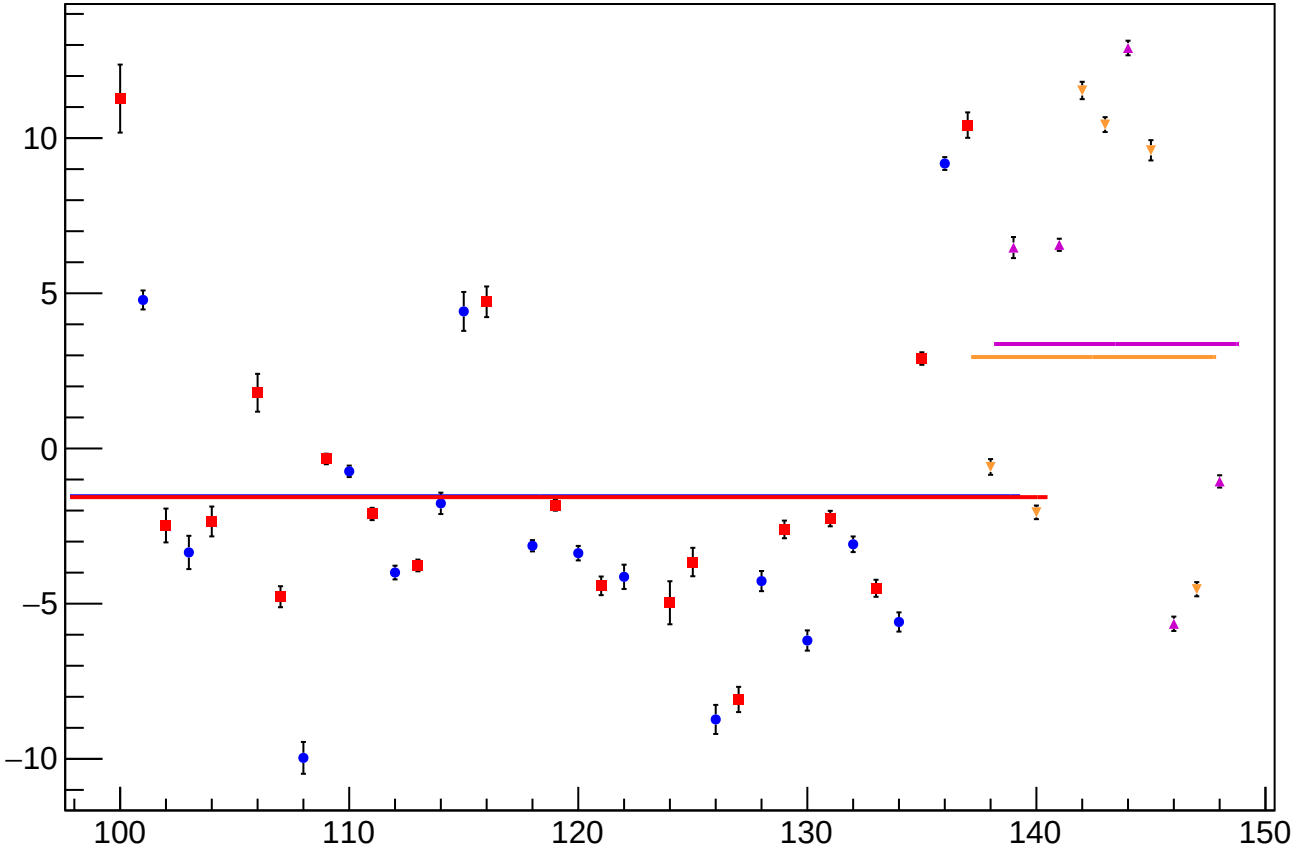
Left In: -28.898+/-0.113 χ^2/NDF:55126.0/4

+ sign -5.224+/-0.057 χ^2/NDF: 234221.7/21

All: -3.717+/-0.038 χ^2/NDF: 436180.4/45

- sign -2.421+/-0.052 χ^2/NDF: 200636.5/23

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

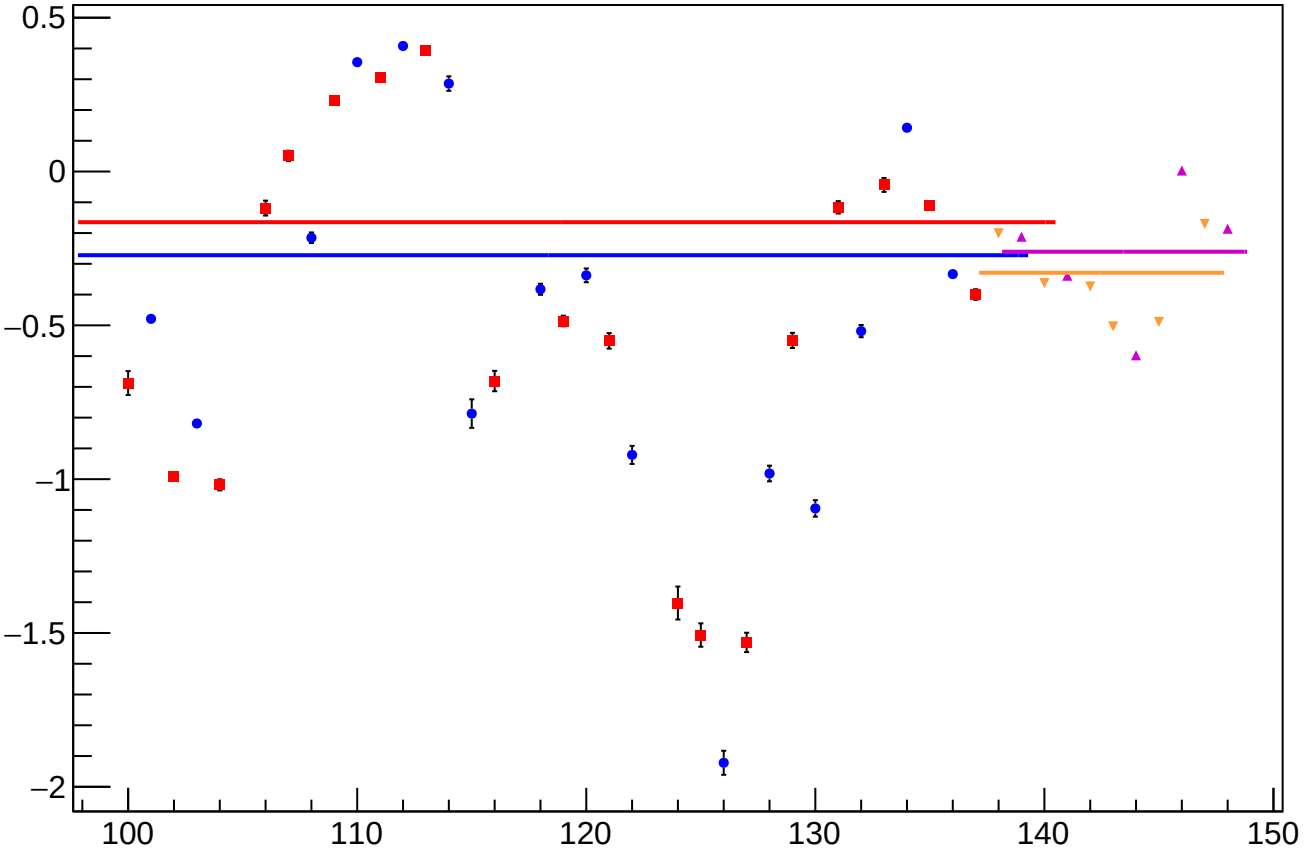
Left In: 3.366+/-0.102 χ^2/NDF:4001.8/4

+ sign -0.127+/-0.058 χ^2/NDF: 9964.7/21

All: -0.139+/-0.040 χ^2/NDF: 18140.1/45

- sign -0.149+/-0.055 χ^2/NDF: 8175.3/23

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

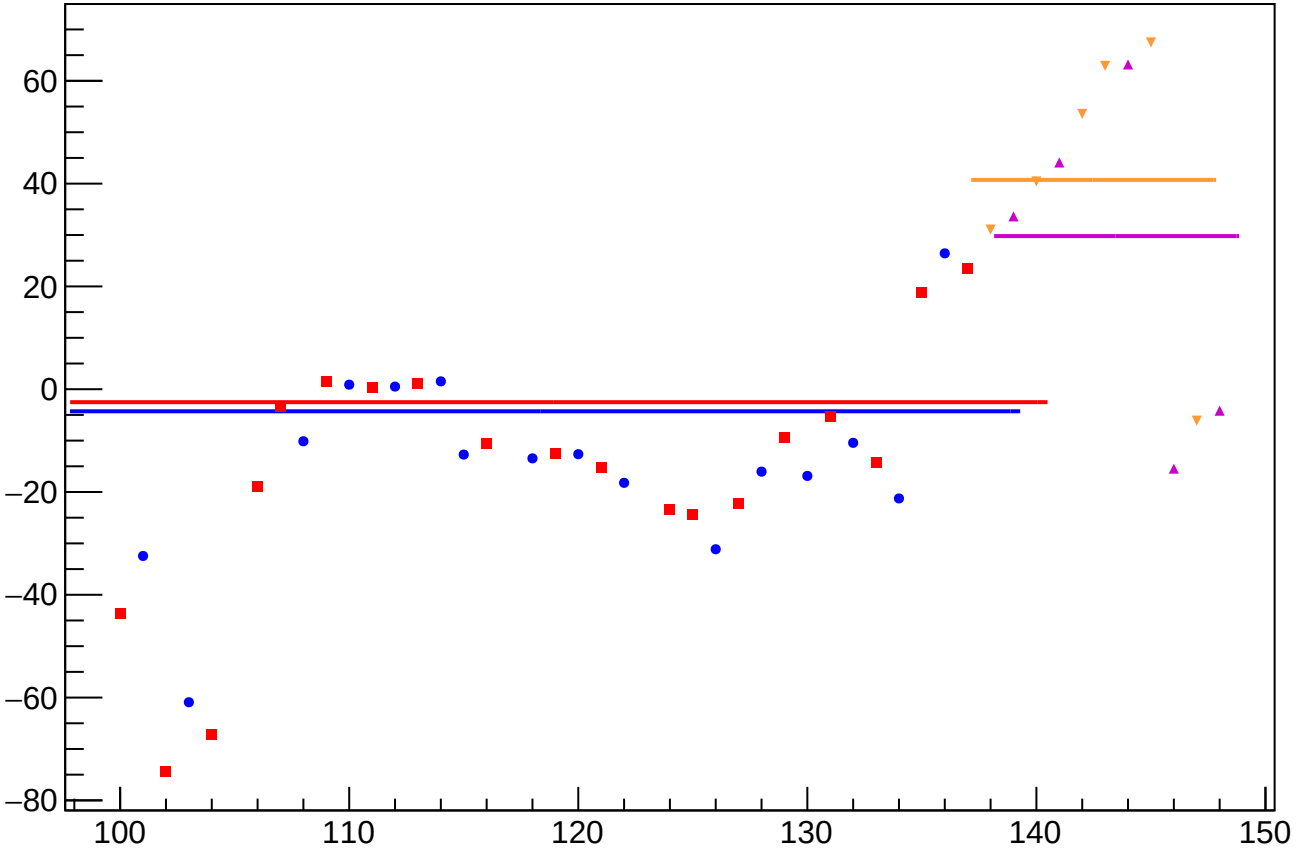
Left In: -0.261+/-0.004 χ^2/NDF:1265.0/4

+ sign -0.297+/-0.003 χ^2/NDF: 12875.7/21

All: -0.248+/-0.002 χ^2/NDF: 30374.5/45

- sign -0.205+/-0.003 χ^2/NDF: 17023.4/23

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

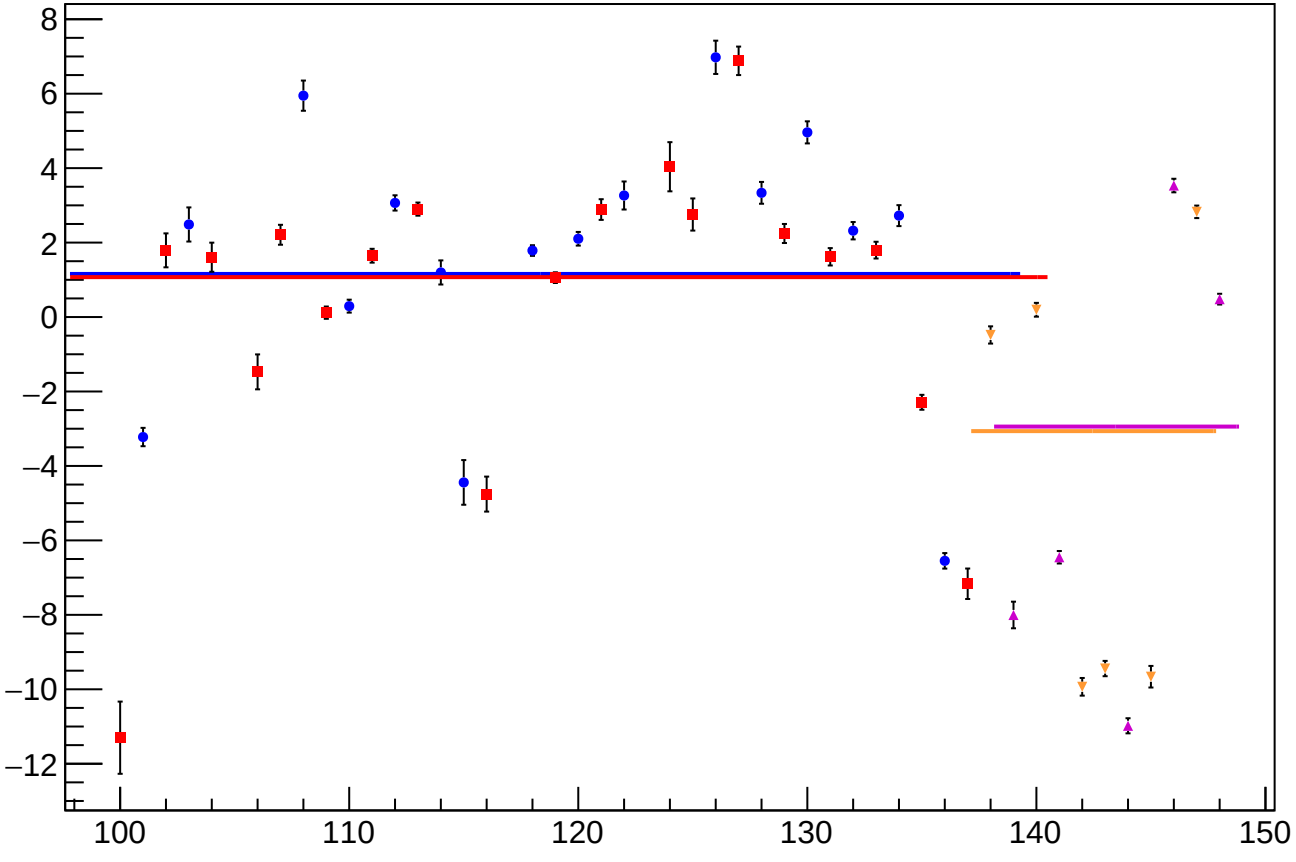
Left In: 29.795+/-0.113 χ^2/NDF:51486.9/4

+ sign 4.674+/-0.050 χ^2/NDF: 236499.2/21

All: 3.322+/-0.033 χ^2/NDF: 438915.5/45

- sign 2.290+/-0.044 χ^2/NDF: 201119.7/23

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

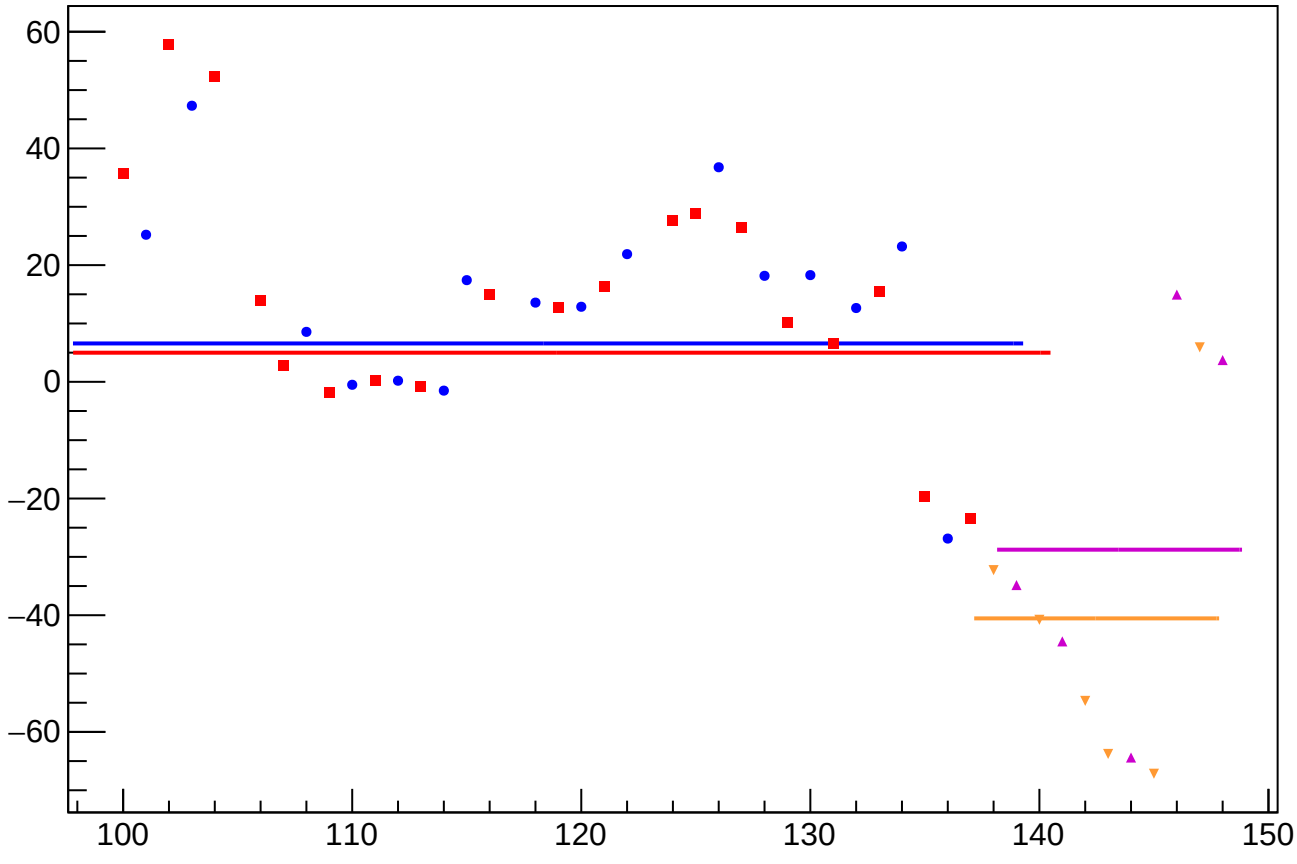
Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -2.943+/-0.083 χ^2/NDF:4026.7/4

+ sign -0.279+/-0.050 χ^2/NDF: 8128.3/21

All: -0.268+/-0.035 χ^2/NDF: 15275.1/45

- sign -0.258+/-0.048 χ^2/NDF: 7146.7/23



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

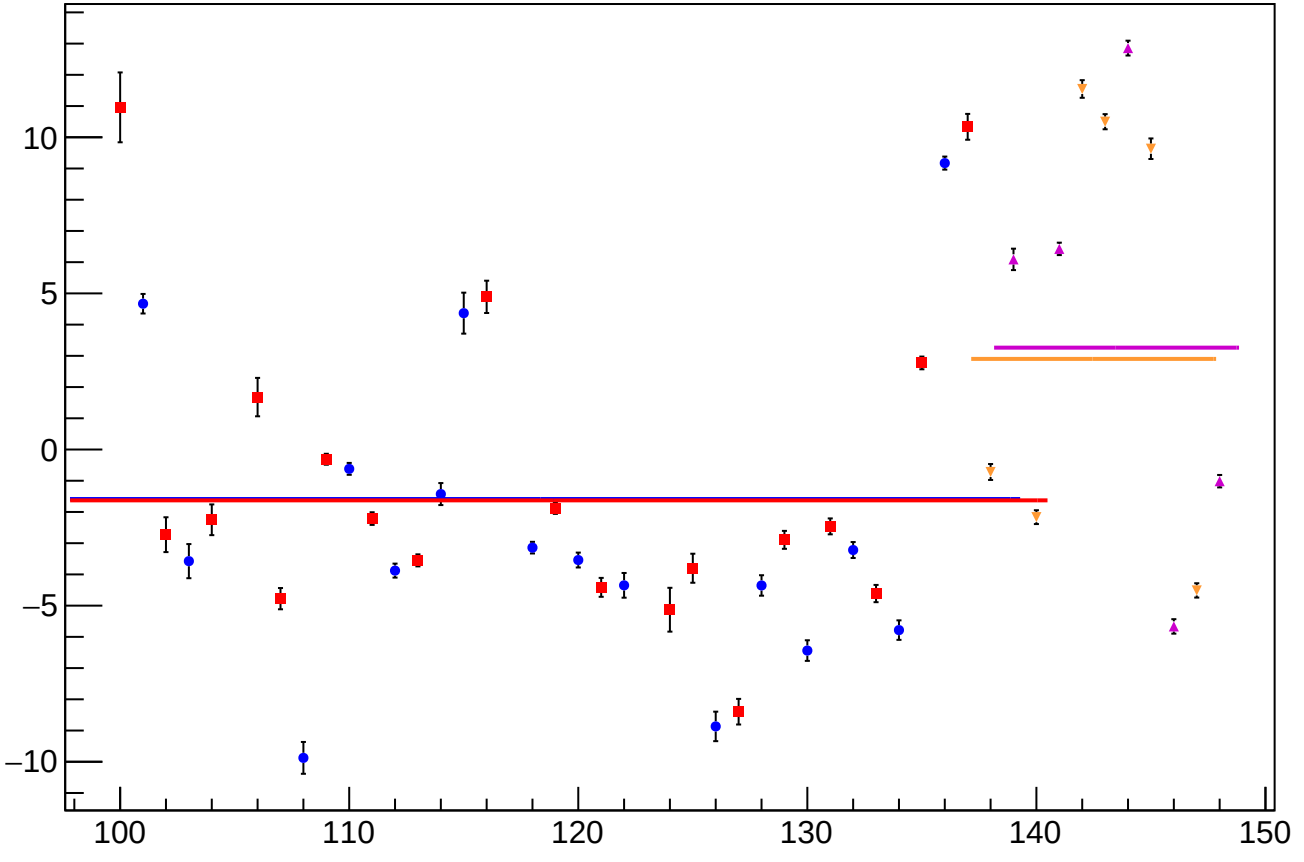
Left In: -28.768+/-0.114 χ^2/NDF:54602.6/4

\+ sign -5.316+/-0.057 χ^2/NDF: 230650.5/21

All: -3.770+/-0.039 χ^2/NDF: 429744.0/45

\- sign -2.434+/-0.053 χ^2/NDF: 197741.8/23

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

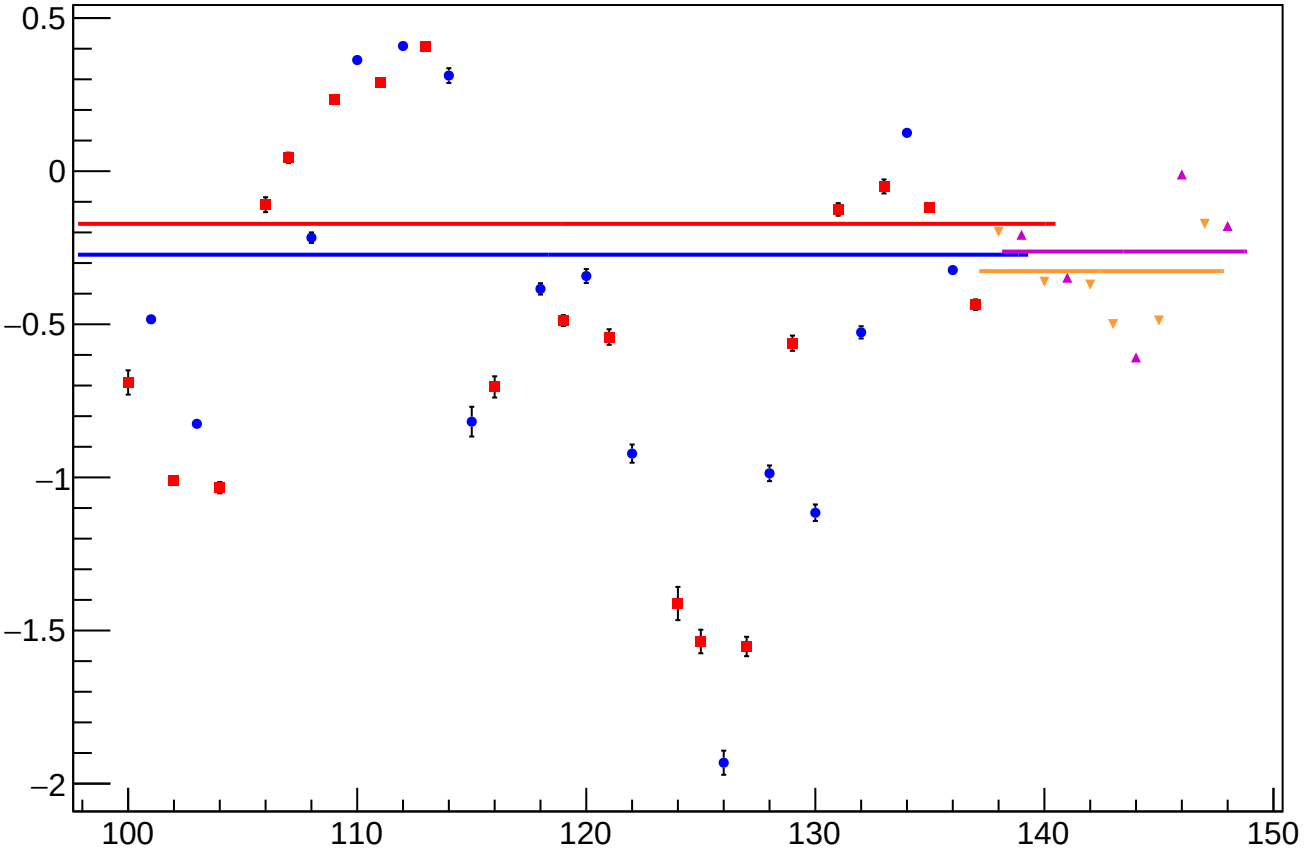
Left In: 3.262+/-0.103 χ^2/NDF:3890.1/4

+ sign -0.154+/-0.058 χ^2/NDF: 9858.2/21

All: -0.178+/-0.040 χ^2/NDF: 17782.3/45

- sign -0.200+/-0.055 χ^2/NDF: 7923.8/23

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

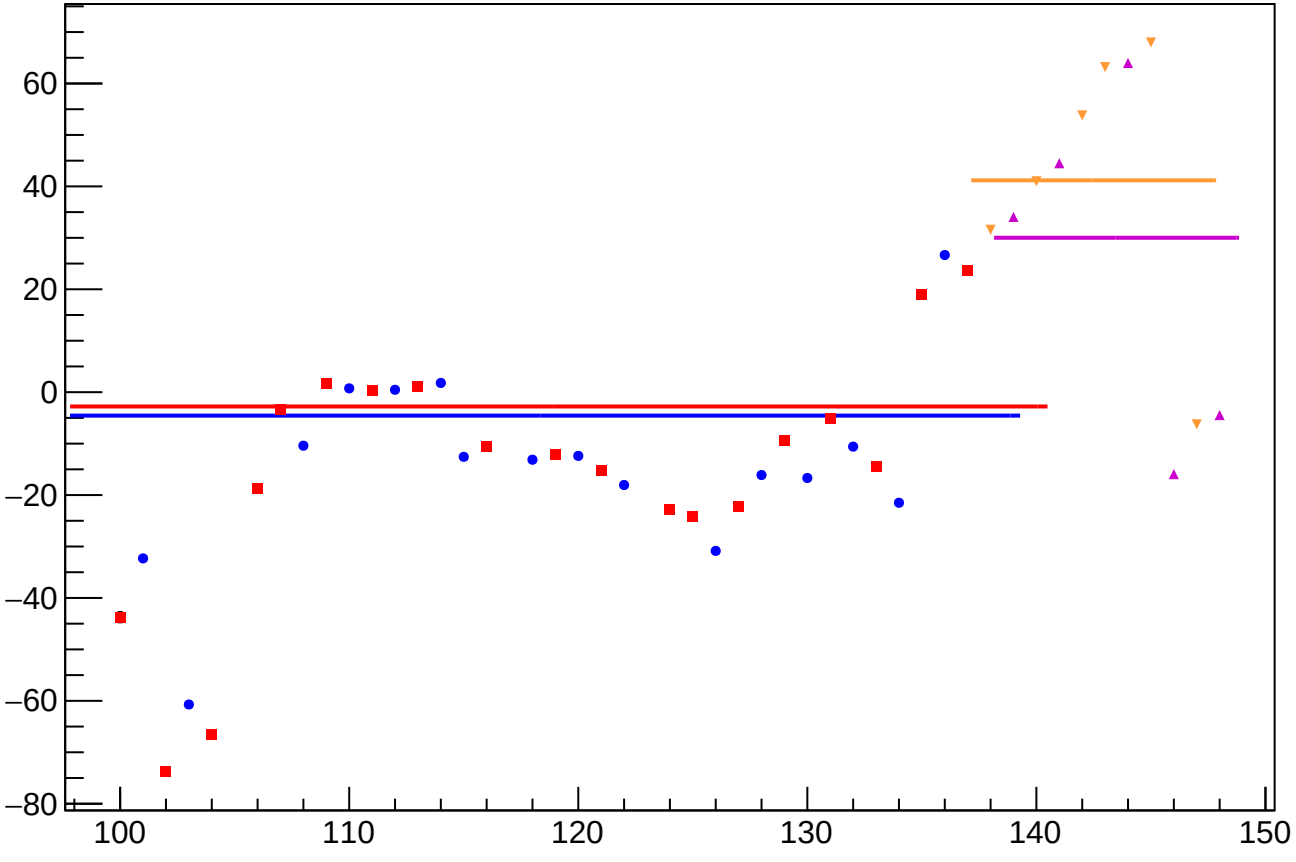
Left In: -0.262+/-0.005 χ^2/NDF:1287.5/4

+ sign -0.297+/-0.003 χ^2/NDF: 12640.0/21

All: -0.251+/-0.002 χ^2/NDF: 29888.4/45

- sign -0.210+/-0.003 χ^2/NDF: 16842.3/23

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

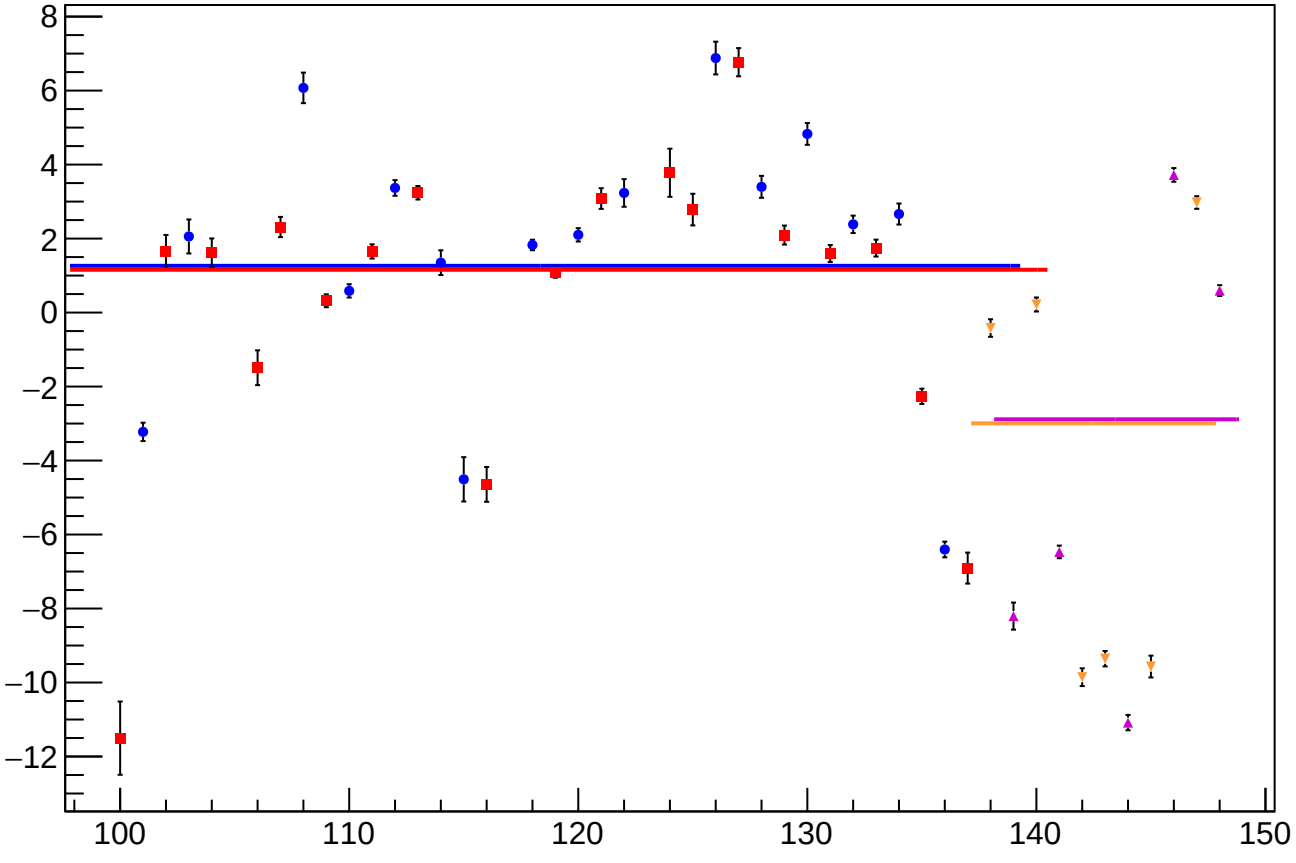
Left In: 30.018+/-0.115 χ^2/NDF:51362.3/4

+ sign 4.542+/-0.051 χ^2/NDF: 233244.4/21

All: 3.205+/-0.034 χ^2/NDF: 432737.7/45

- sign 2.171+/-0.045 χ^2/NDF: 198265.9/23

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

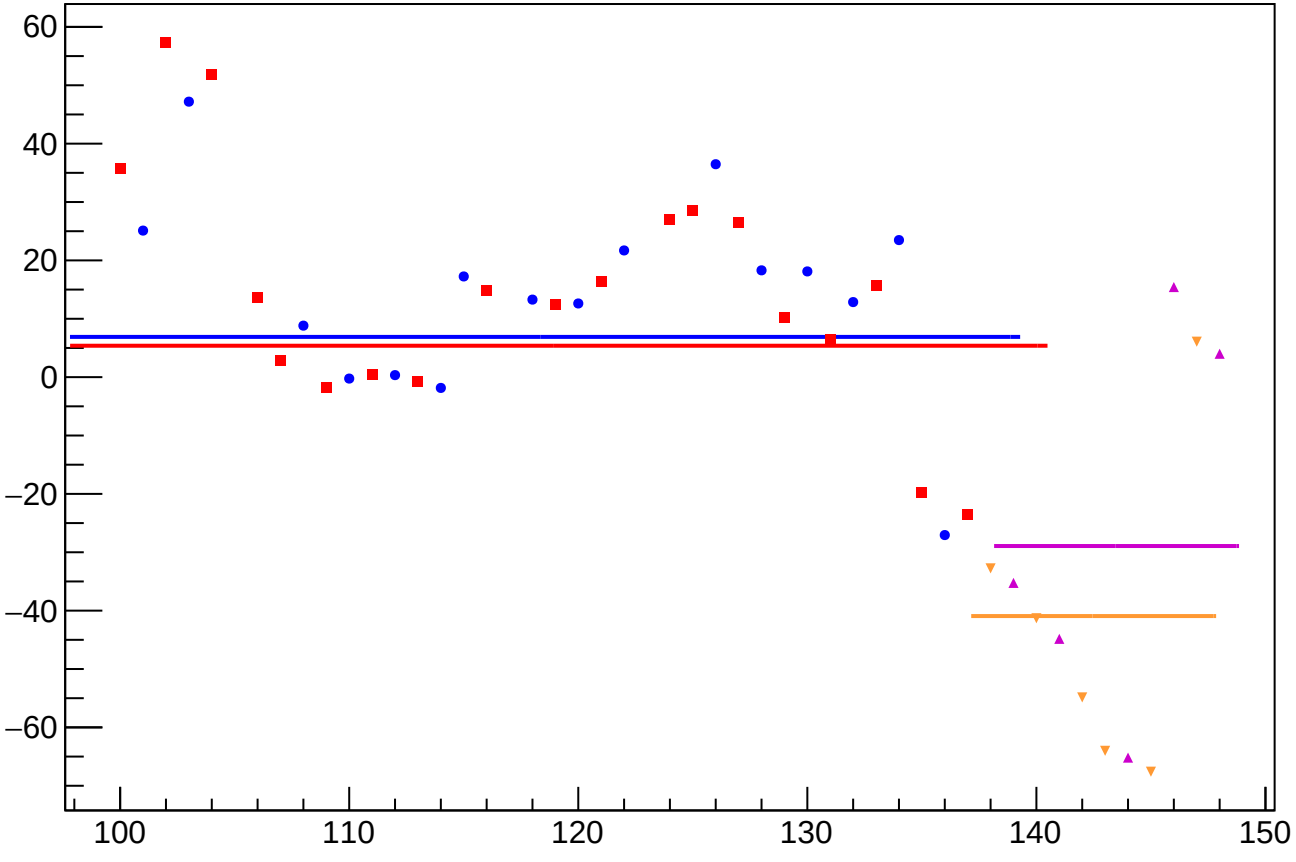
Left In: -2.885+/-0.084 χ^2/NDF:4056.5/4

+ sign -0.170+/-0.051 χ^2/NDF: 7903.6/21

All: -0.172+/-0.035 χ^2/NDF: 14991.6/45

- sign -0.174+/-0.048 χ^2/NDF: 7088.0/23

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

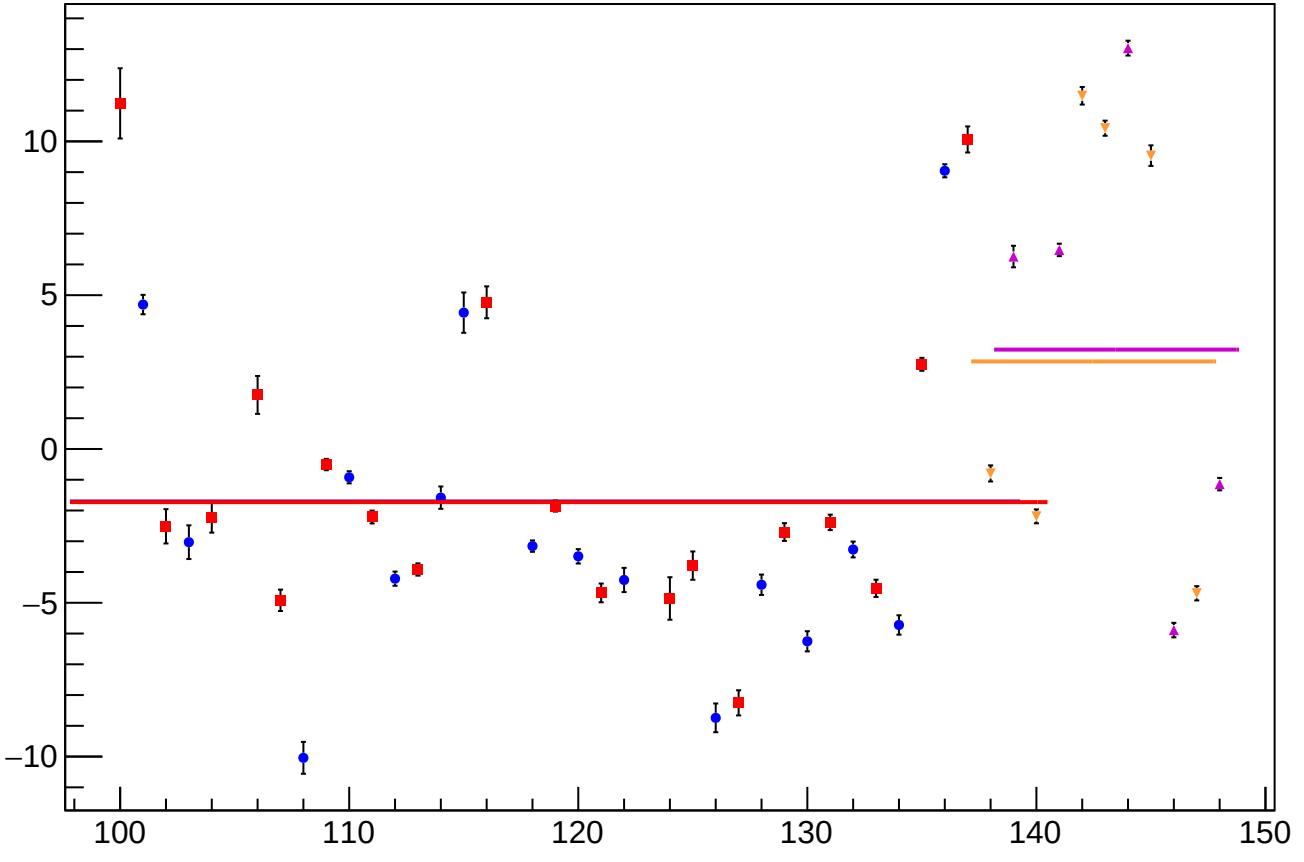
Left In: -28.931+/-0.116 χ^2/NDF:54424.9/4

+ sign -5.083+/-0.058 χ^2/NDF: 227433.2/21

All: -3.537+/-0.040 χ^2/NDF: 423665.1/45

- sign -2.189+/-0.054 χ^2/NDF: 194916.9/23

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

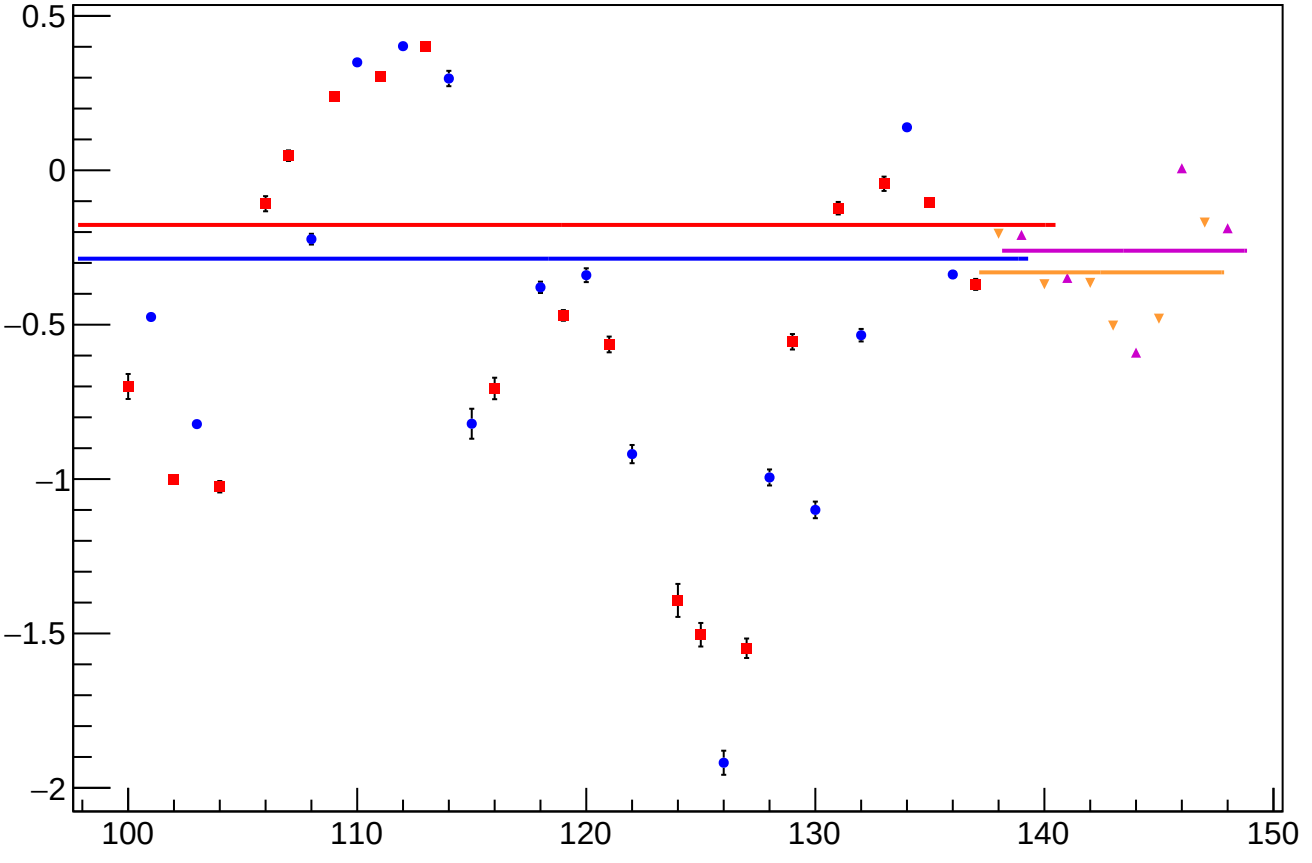
Left In: 3.231+/-0.104 χ^2/NDF:3932.6/4

+ sign -0.268+/-0.059 χ^2/NDF: 9571.5/21

All: -0.276+/-0.041 χ^2/NDF: 17415.3/45

- sign -0.284+/-0.056 χ^2/NDF: 7843.8/23

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

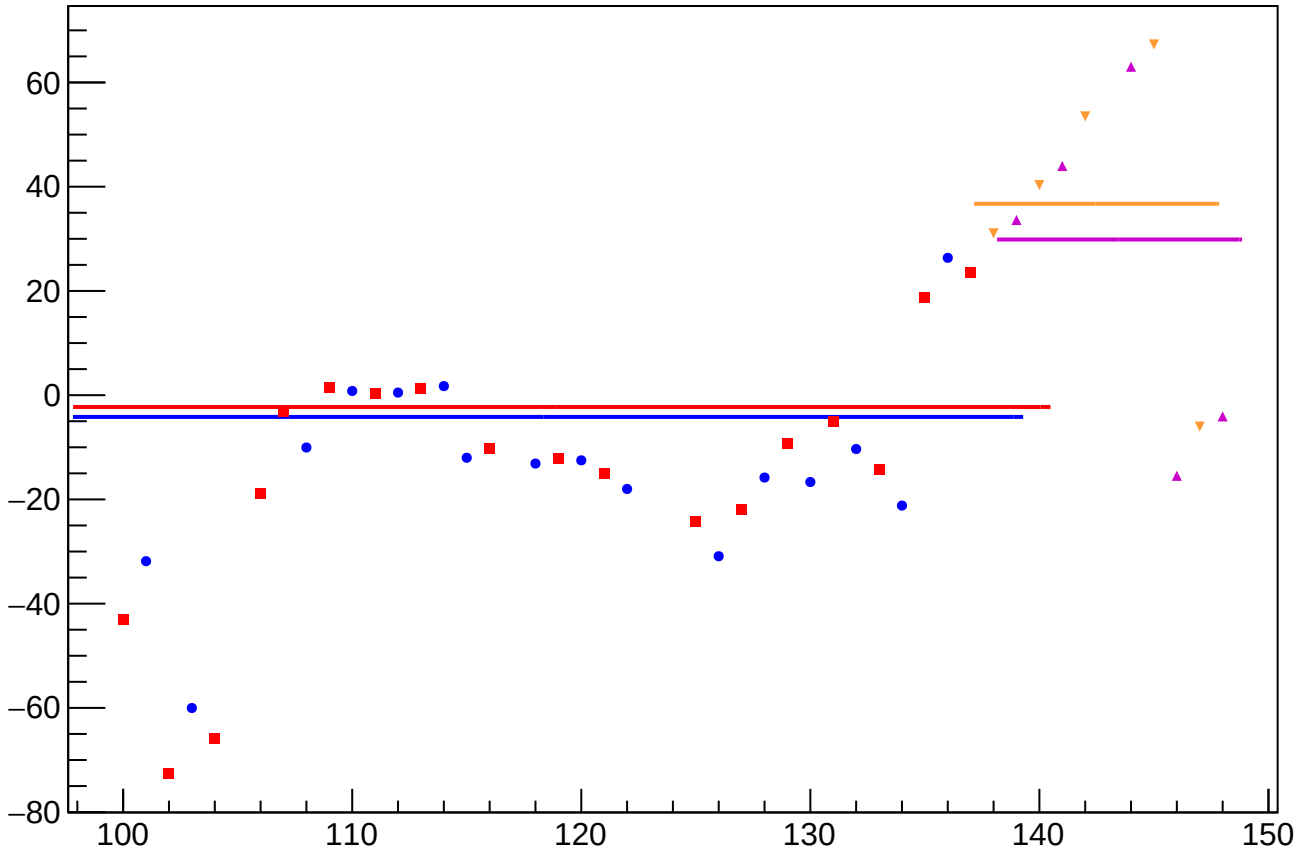
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.260+/-0.005 χ^2/NDF:1208.1/4

+ sign -0.306+/-0.003 χ^2/NDF: 12071.3/21

All: -0.256+/-0.002 χ^2/NDF: 28694.7/45

- sign -0.212+/-0.003 χ^2/NDF: 16166.1/23



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 36.723+/-0.120 χ^2/NDF:25416.2/4

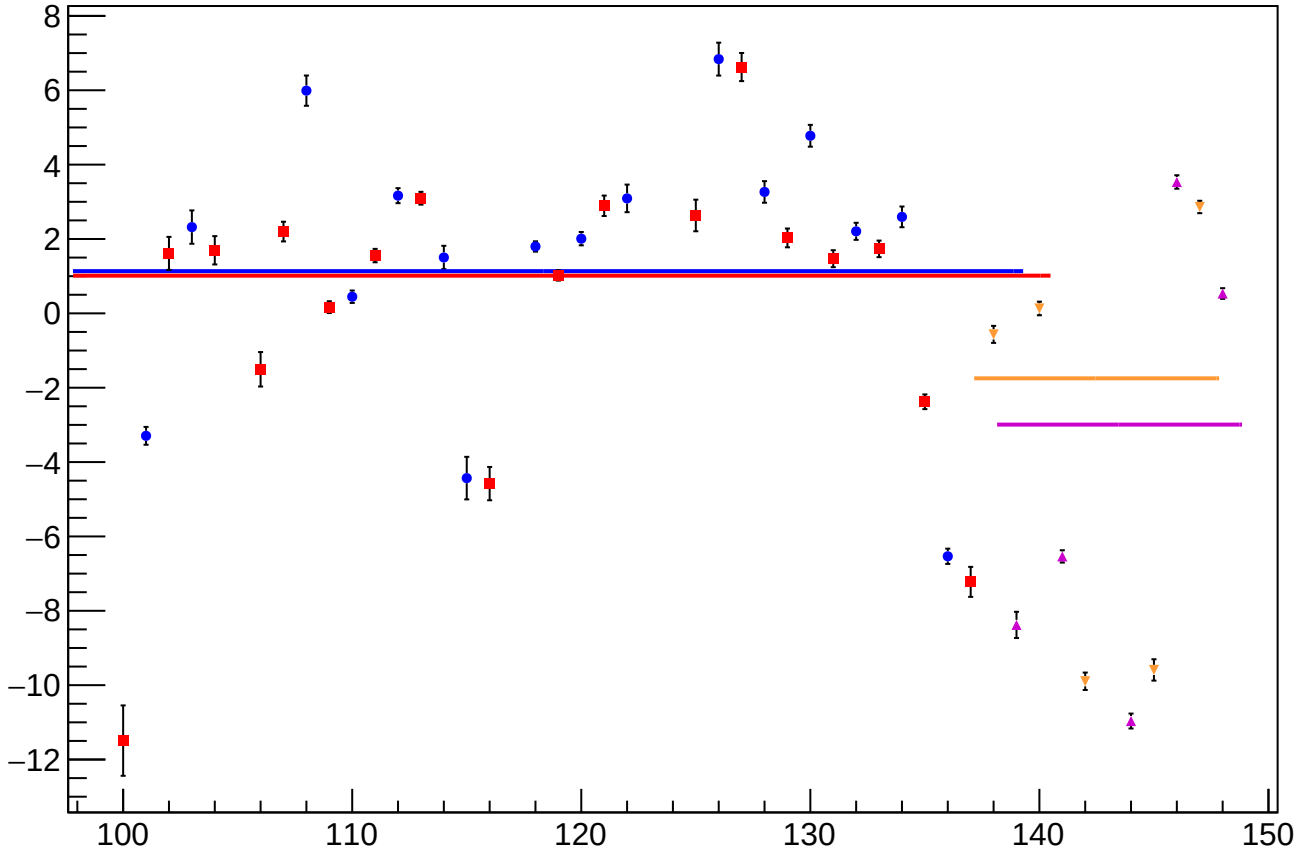
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 29.867+/-0.112 χ^2/NDF:52027.9/4

+ sign 2.808+/-0.050 χ^2/NDF: 197105.8/20

All: 2.579+/-0.032 χ^2/NDF: 399600.0/43

- sign 2.410+/-0.043 χ^2/NDF: 202457.1/22



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.748+/-0.093 χ^2/NDF:2845.7/4

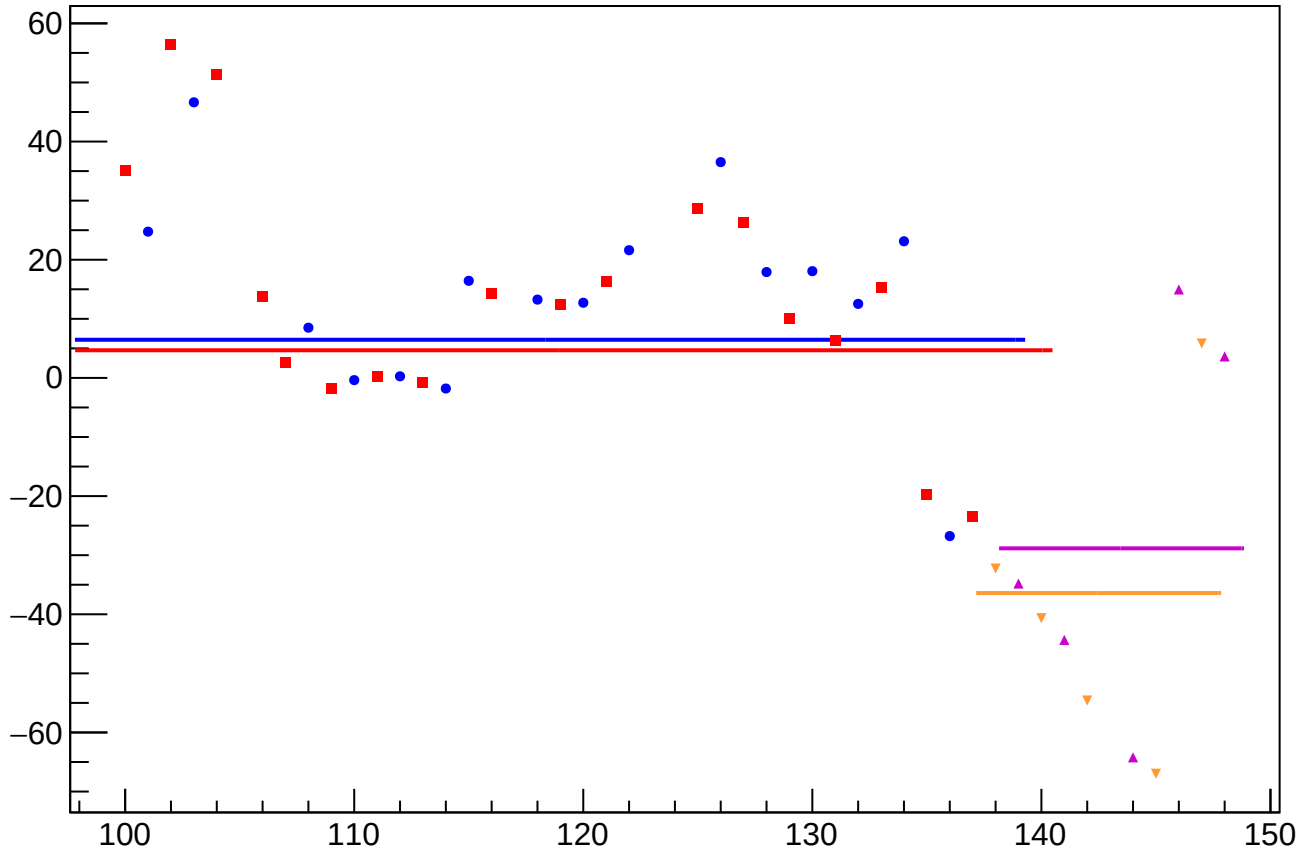
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -2.992+/-0.082 χ^2/NDF:4167.8/4

+ sign 0.288+/-0.051 χ^2/NDF: 6115.9/20

All: -0.026+/-0.034 χ^2/NDF: 13552.0/43

- sign -0.296+/-0.047 χ^2/NDF: 7364.6/22



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.407+/-0.123 χ^2/NDF:26690.8/4

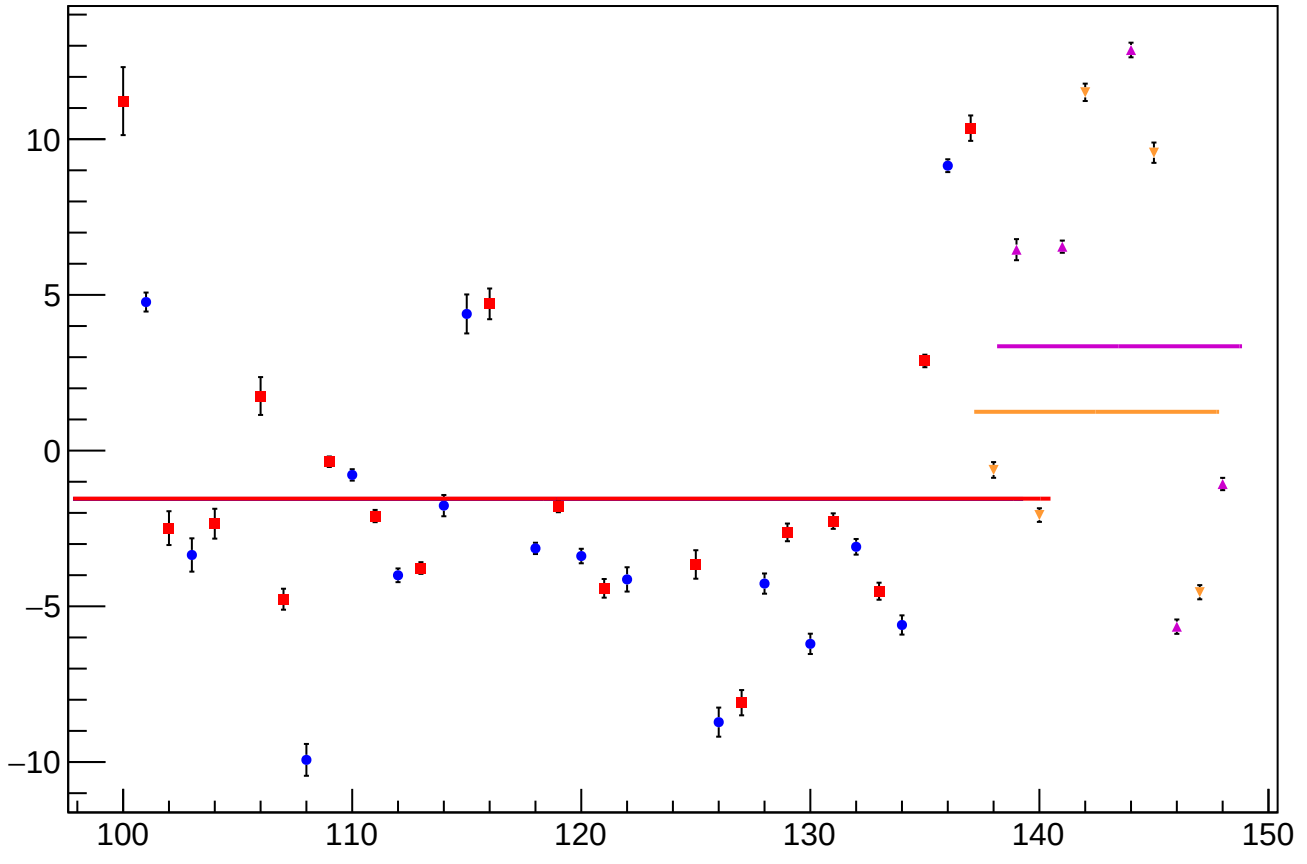
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -28.842+/-0.113 χ^2/NDF:55197.9/4

\+ sign -2.935+/-0.057 χ^2/NDF: 192893.0/20

All: -2.735+/-0.039 χ^2/NDF: 392093.9/43

\- sign -2.569+/-0.052 χ^2/NDF: 199178.7/22



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.246+/-0.113 χ^2/NDF:2931.5/4

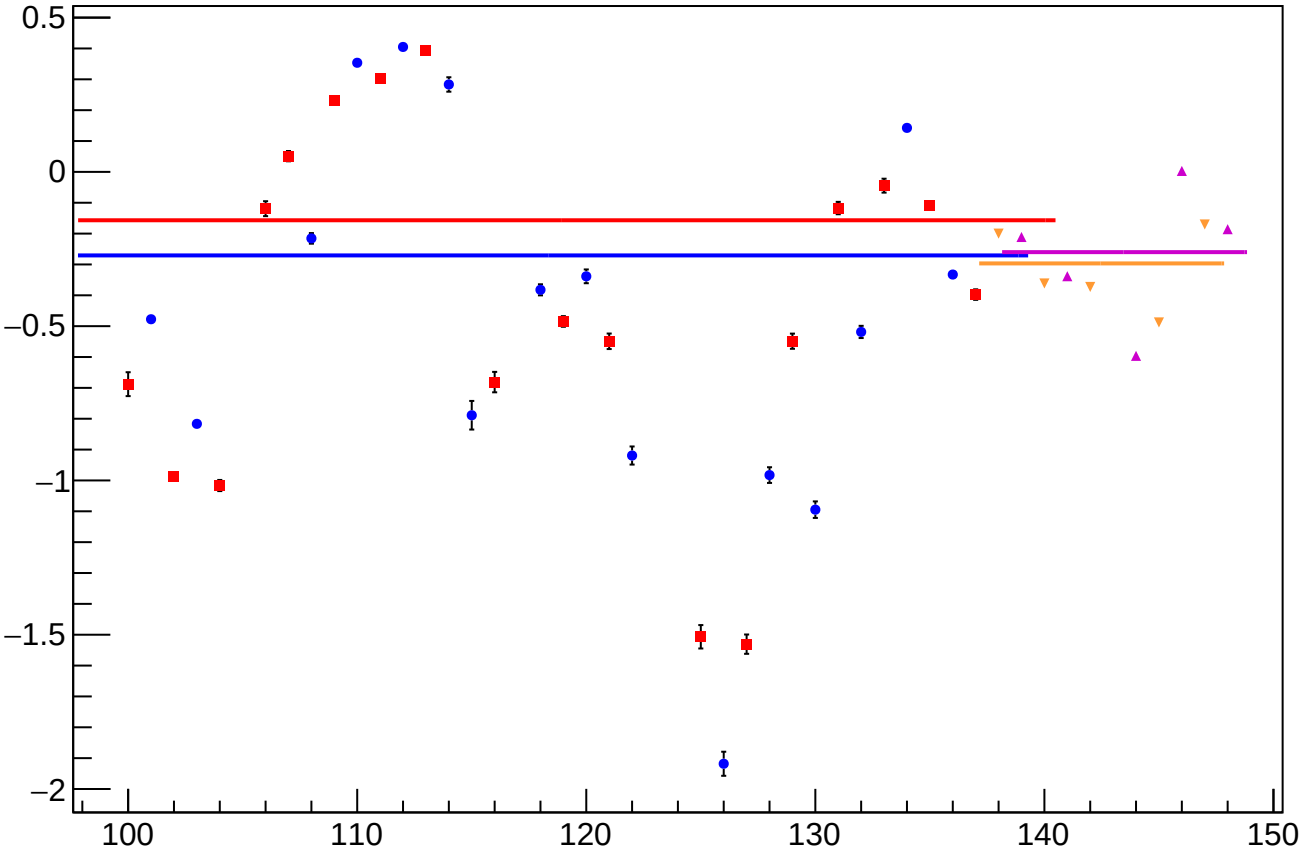
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 3.350+/-0.101 χ^2/NDF:4008.4/4

+ sign -0.789+/-0.059 χ^2/NDF: 7919.4/20

All: -0.434+/-0.040 χ^2/NDF: 16123.0/43

- sign -0.132+/-0.054 χ^2/NDF: 8136.8/22



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.297+/-0.005 χ^2/NDF:473.8/4

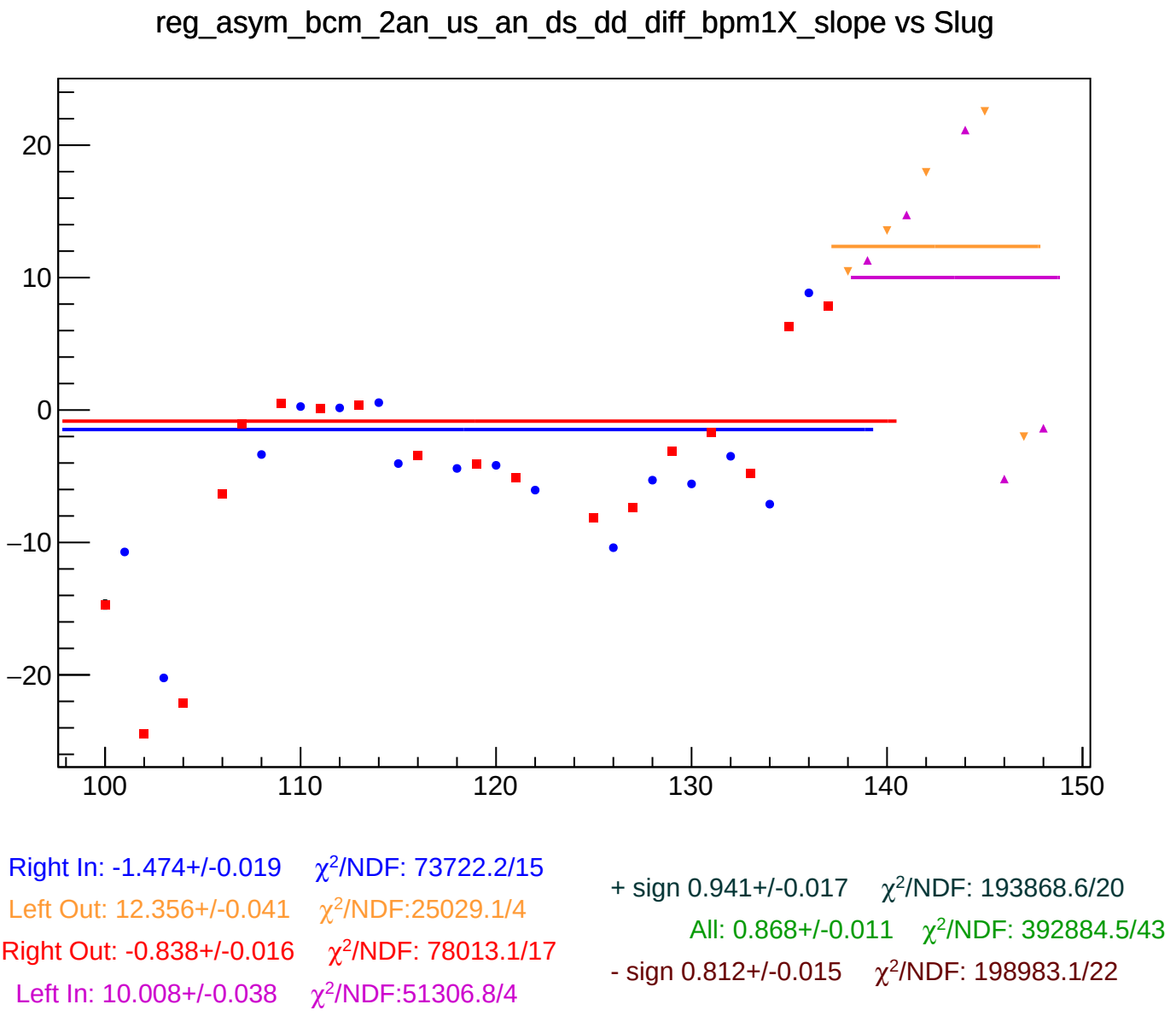
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

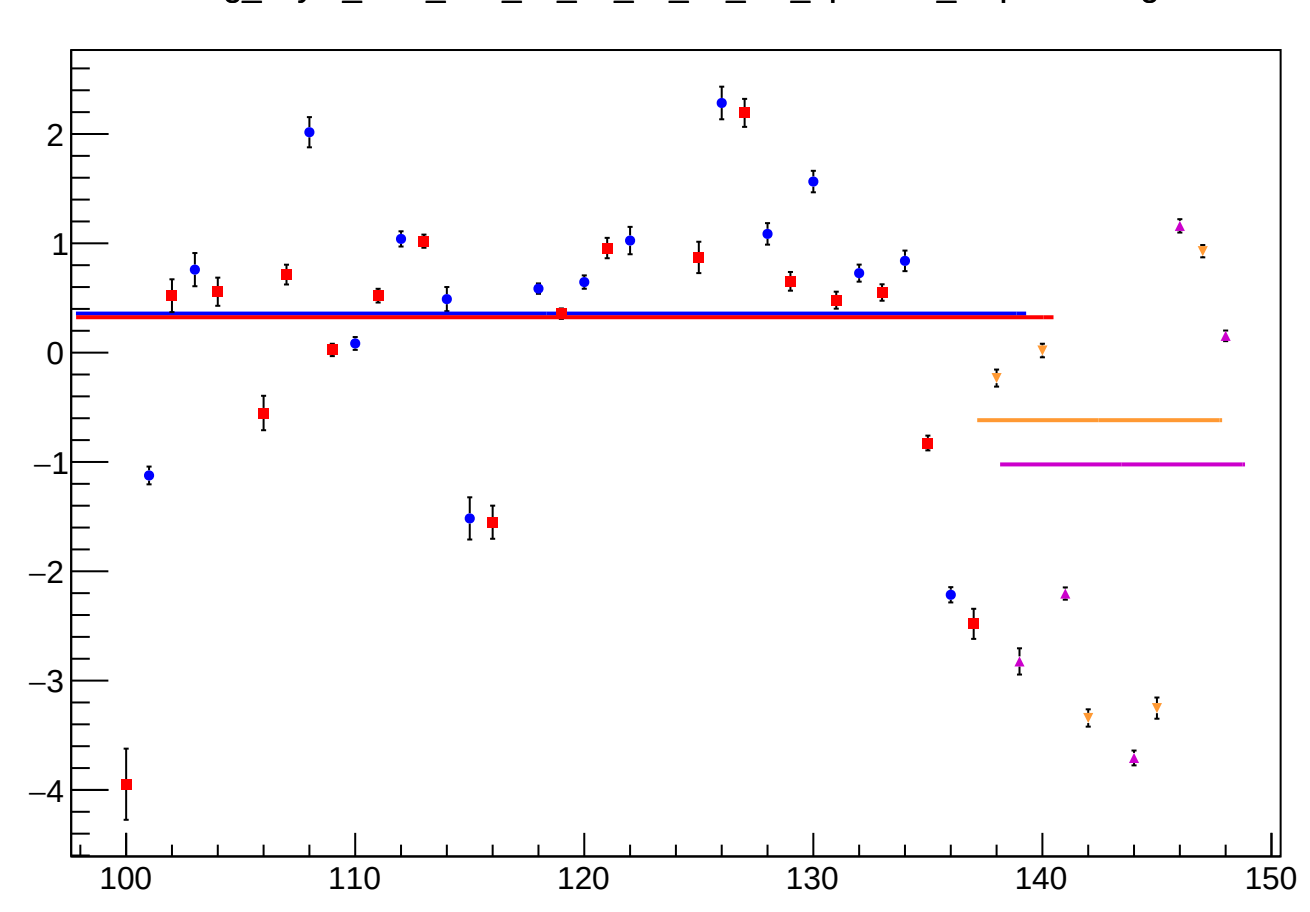
Left In: -0.260+/-0.004 χ^2/NDF:1267.1/4

+ sign -0.281+/-0.003 χ^2/NDF: 12585.8/20

All: -0.237+/-0.002 χ^2/NDF: 29537.1/43

- sign -0.200+/-0.003 χ^2/NDF: 16597.9/22


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 12.356+/-0.041 χ²/NDF:25029.1/4
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 10.008+/-0.038 χ²/NDF:51306.8/4
+ sign 0.941+/-0.017 χ²/NDF: 193868.6/20
All: 0.868+/-0.011 χ²/NDF: 392884.5/43
- sign 0.812+/-0.015 χ²/NDF: 198983.1/22



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.618+/-0.032 χ^2/NDF:2801.0/4

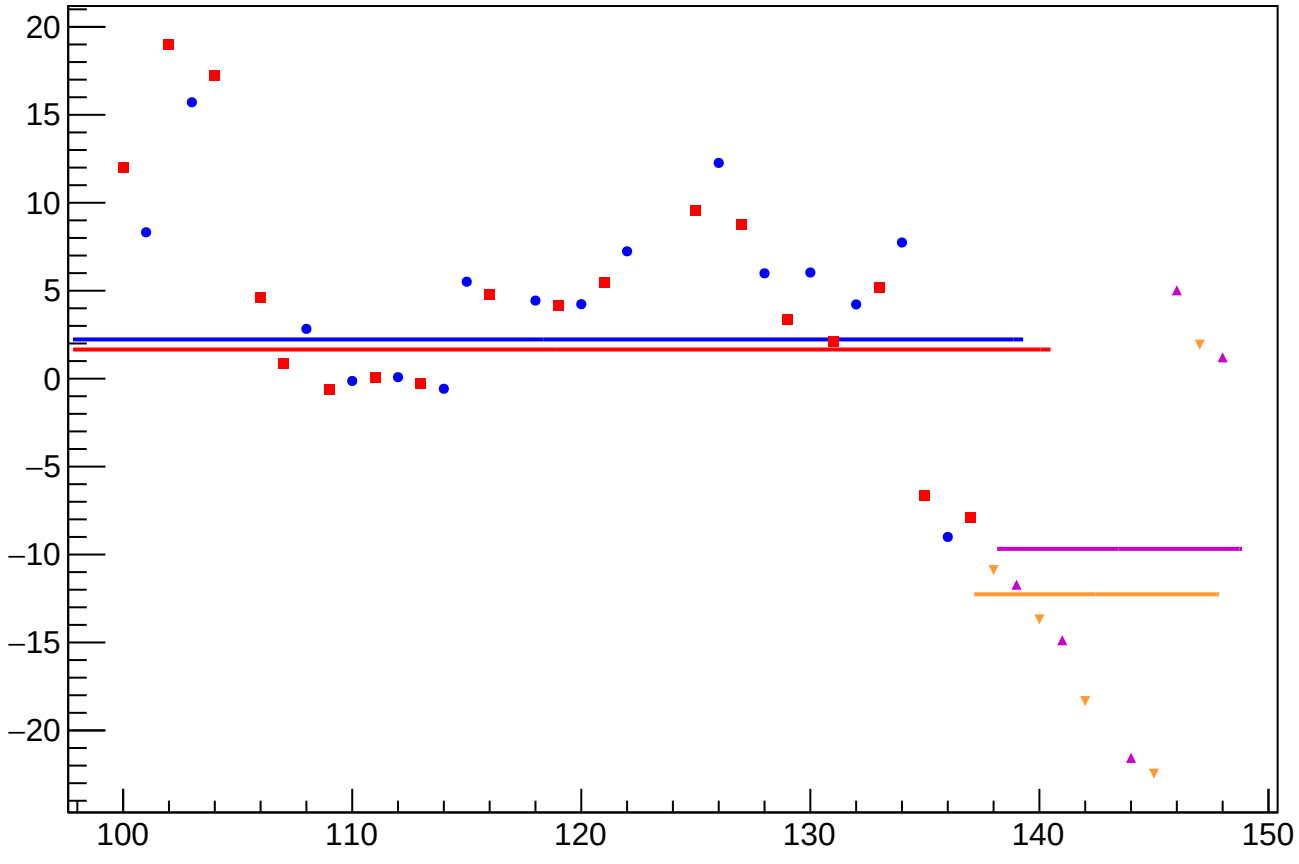
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.023+/-0.028 χ^2/NDF:4091.8/4

+ sign 0.066+/-0.017 χ^2/NDF: 6013.3/20

All: -0.037+/-0.012 χ^2/NDF: 13294.3/43

- sign -0.127+/-0.016 χ^2/NDF: 7213.8/22



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.259+/-0.042 χ^2/NDF:26313.1/4

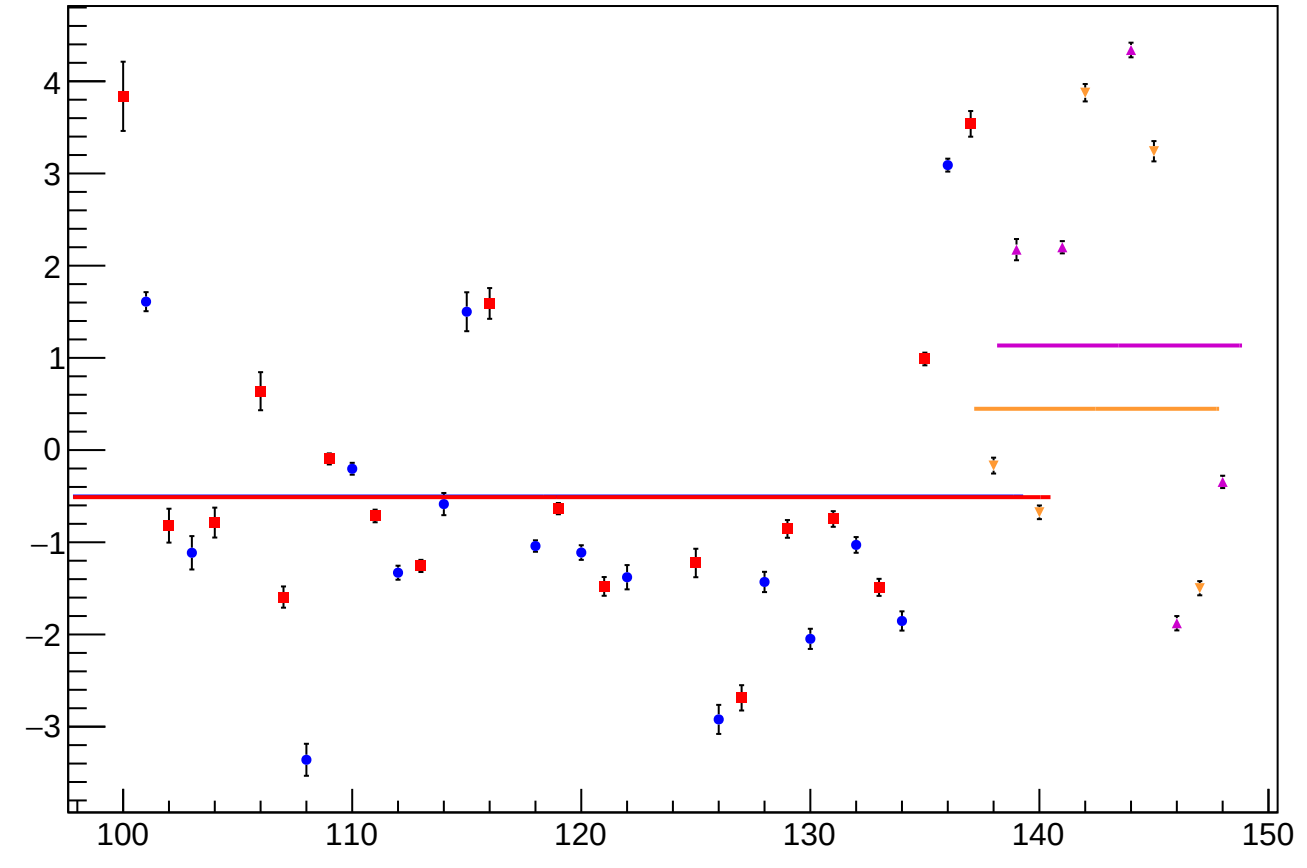
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -9.677+/-0.038 χ^2/NDF:54437.4/4

+ sign -0.993+/-0.020 χ^2/NDF: 189743.3/20

All: -0.929+/-0.013 χ^2/NDF: 385602.8/43

- sign -0.874+/-0.018 χ^2/NDF: 195839.5/22



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 0.448+/-0.038 χ^2/NDF:2883.9/4

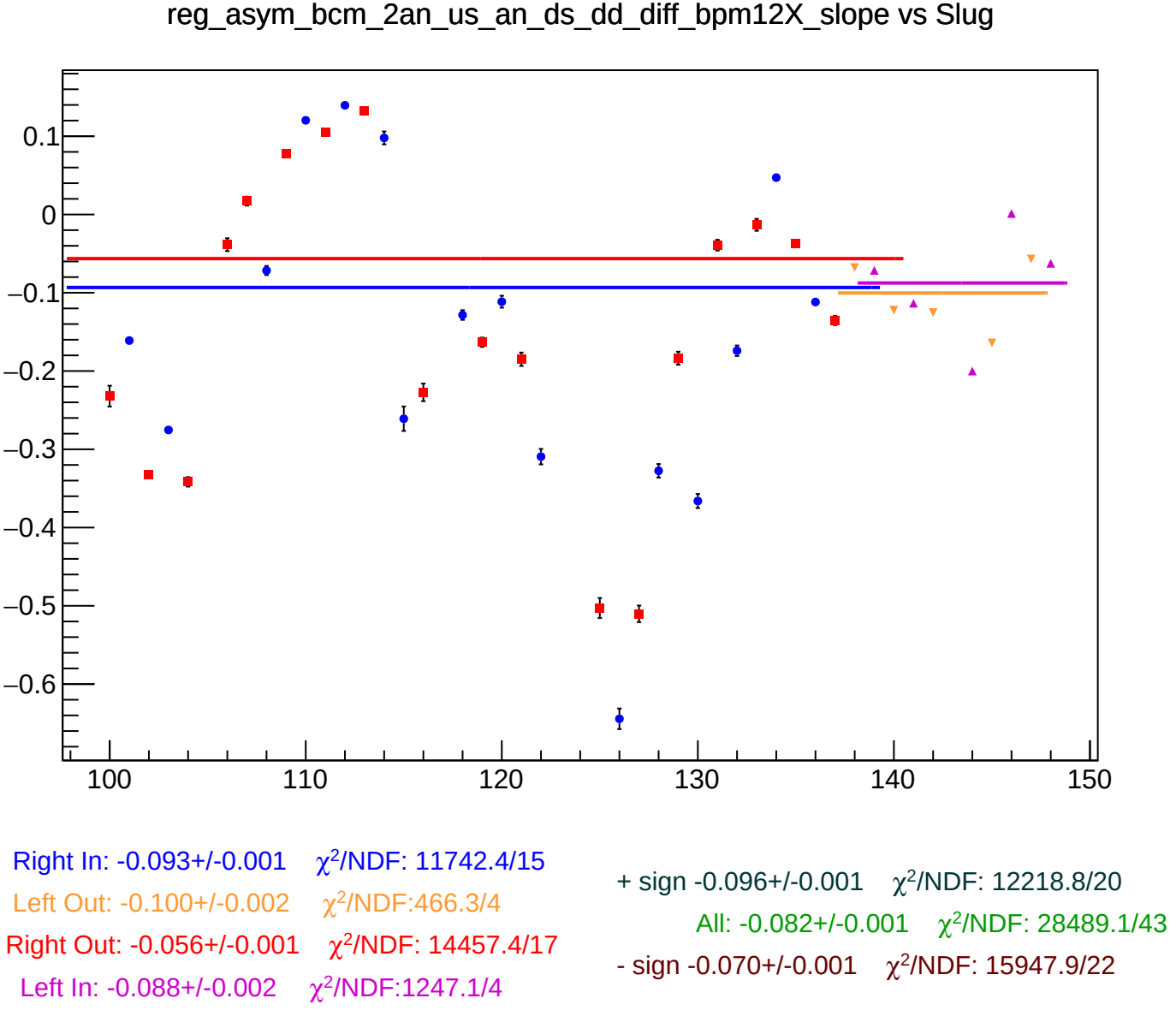
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

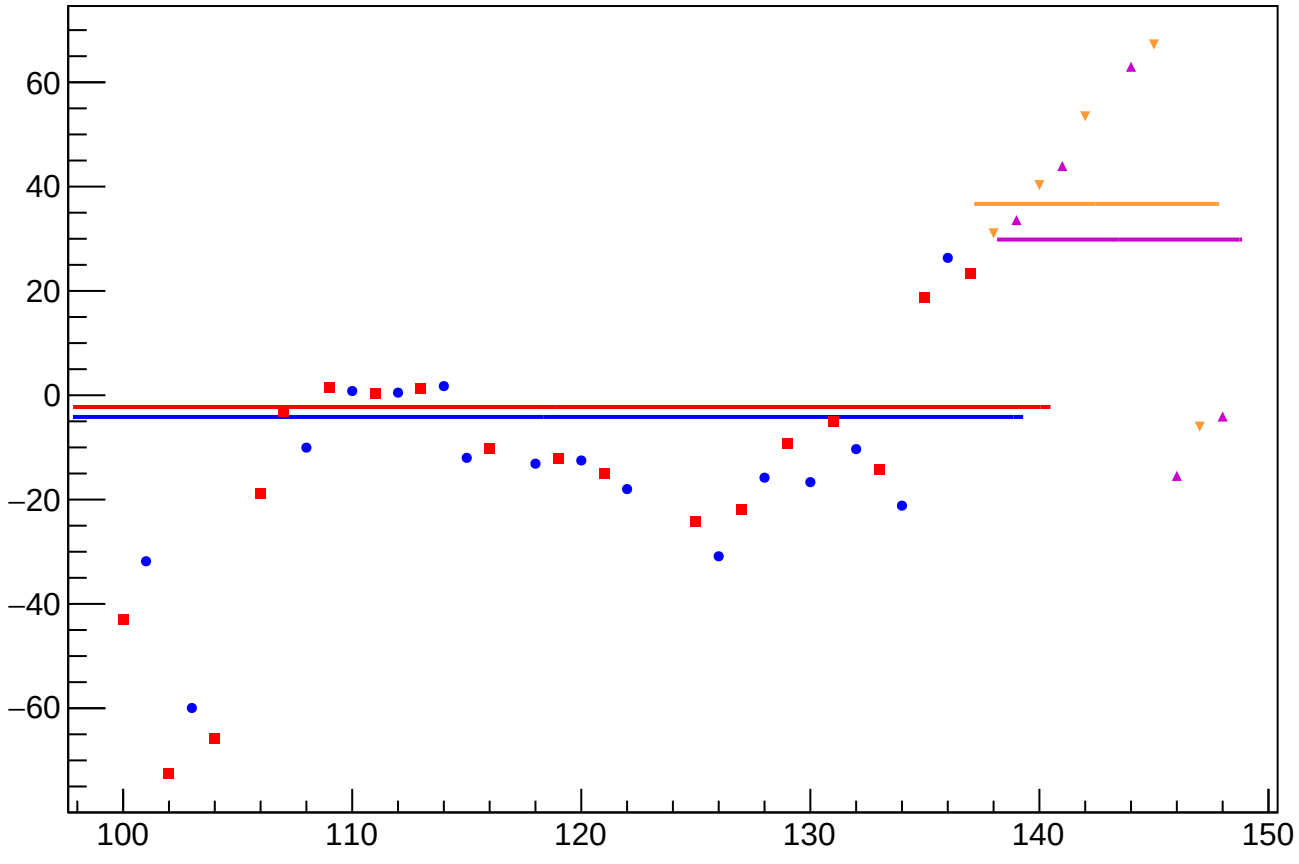
Left In: 1.134+/-0.034 χ^2/NDF:3948.2/4

+ sign -0.240+/-0.020 χ^2/NDF: 7776.6/20

All: -0.124+/-0.014 χ^2/NDF: 15826.1/43

- sign -0.024+/-0.019 χ^2/NDF: 7987.4/22


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
150
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: -0.088+/-0.002 χ²/NDF:1247.1/4
+ sign -0.096+/-0.001 χ²/NDF: 12218.8/20
All: -0.082+/-0.001 χ²/NDF: 28489.1/43
- sign -0.070+/-0.001 χ²/NDF: 15947.9/22



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 36.691+/-0.120 χ^2/NDF:25427.8/4

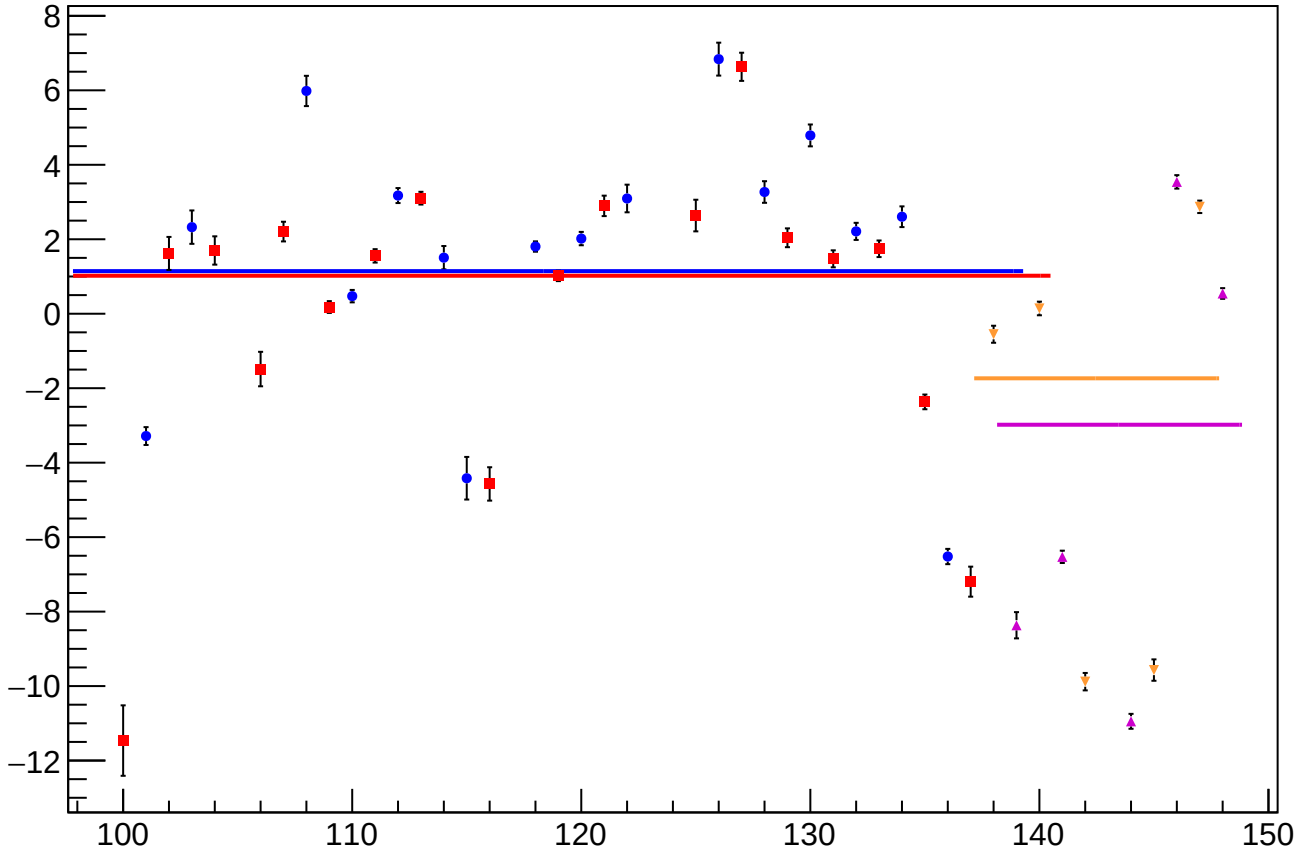
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 29.847+/-0.112 χ^2/NDF:52034.5/4

\+ sign 2.808+/-0.050 χ^2/NDF: 197105.1/20

All: 2.579+/-0.032 χ^2/NDF: 399617.0/43

\- sign 2.409+/-0.042 χ^2/NDF: 202474.5/22



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -1.735+/-0.093 χ^2/NDF:2846.8/4

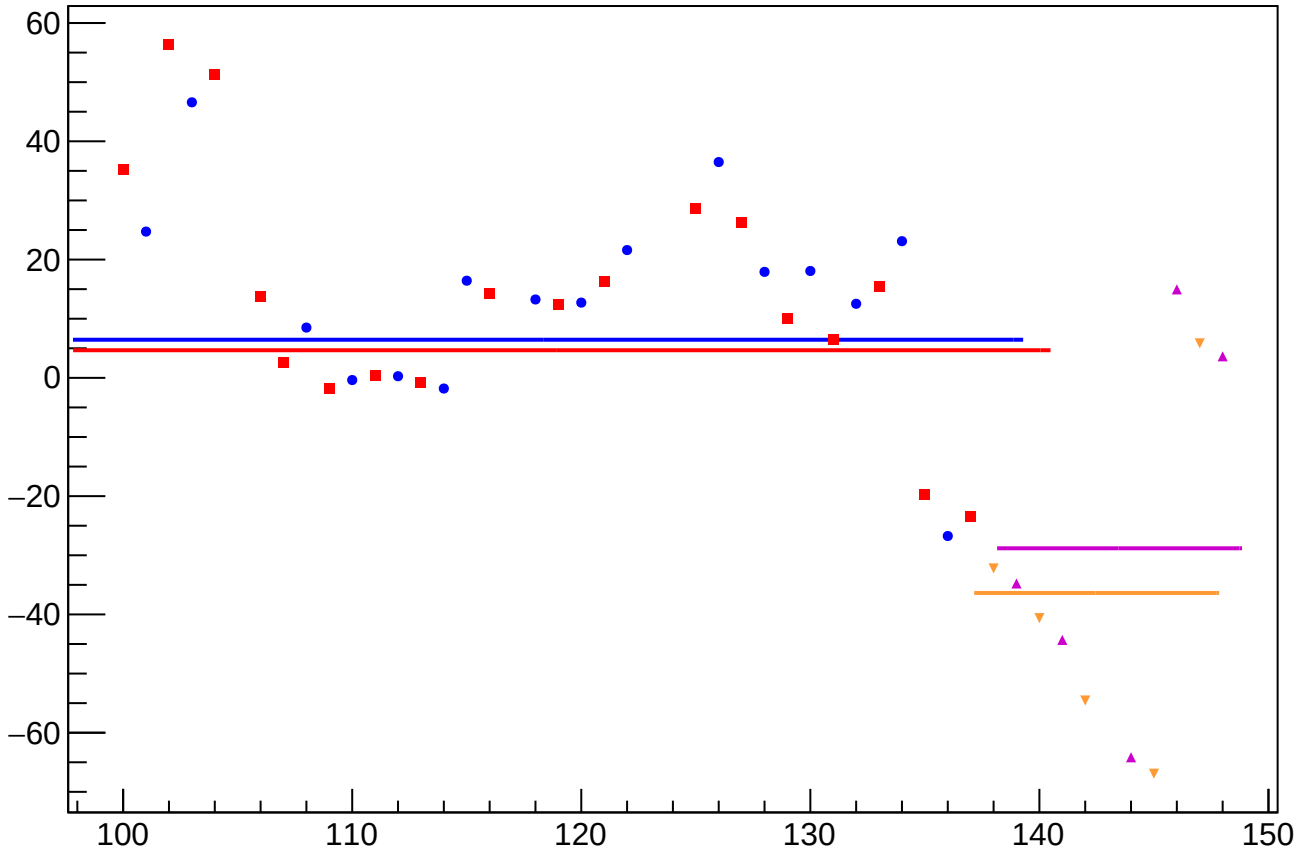
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -2.981+/-0.082 χ^2/NDF:4170.1/4

+ sign 0.298+/-0.051 χ^2/NDF: 6115.9/20

All: -0.016+/-0.034 χ^2/NDF: 13552.5/43

- sign -0.287+/-0.047 χ^2/NDF: 7364.5/22



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.369+/-0.123 χ^2/NDF:26700.7/4

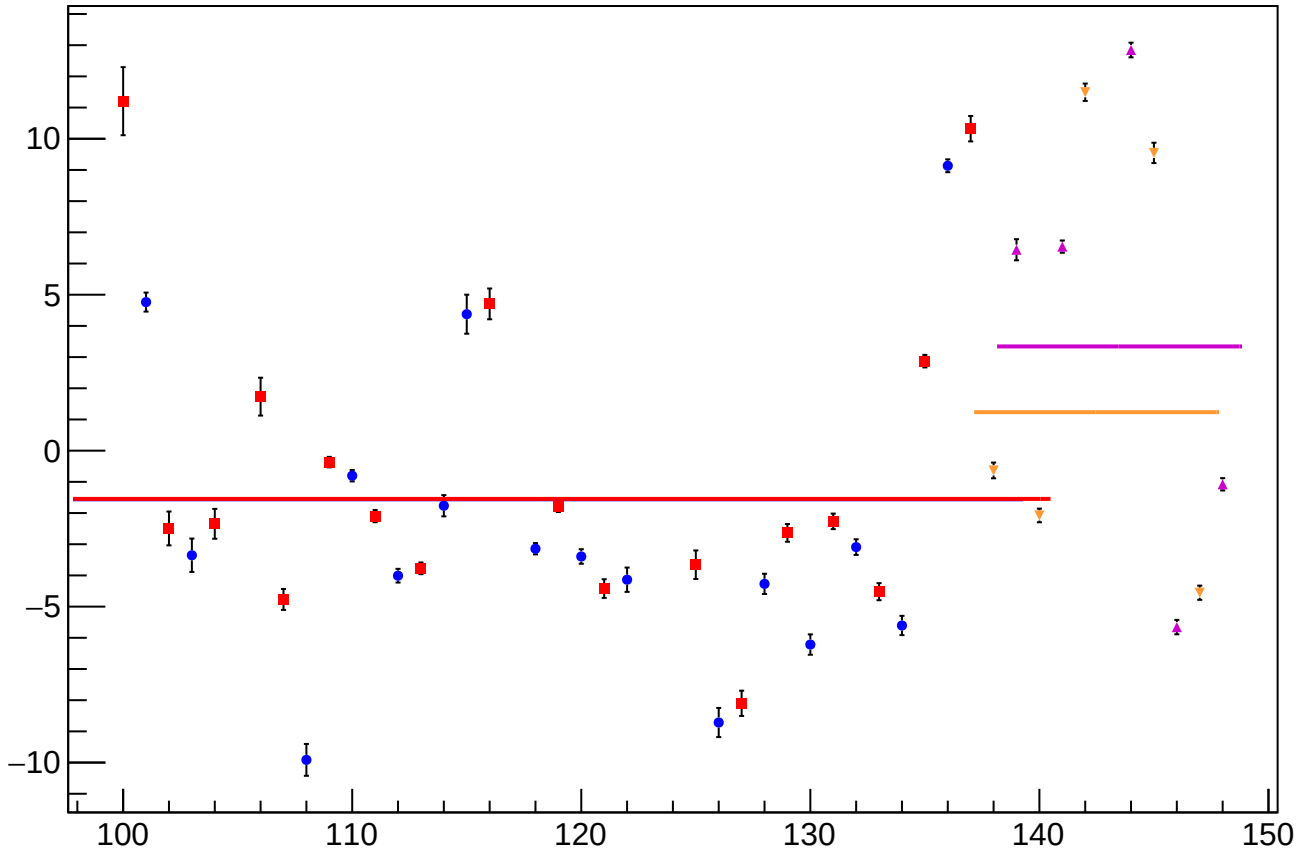
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -28.817+/-0.112 χ^2/NDF:55203.2/4

\+ sign -2.930+/-0.057 χ^2/NDF: 192887.7/20

All: -2.729+/-0.039 χ^2/NDF: 392097.1/43

\- sign -2.562+/-0.052 χ^2/NDF: 199186.9/22



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 1.235+/-0.113 χ^2/NDF:2932.5/4

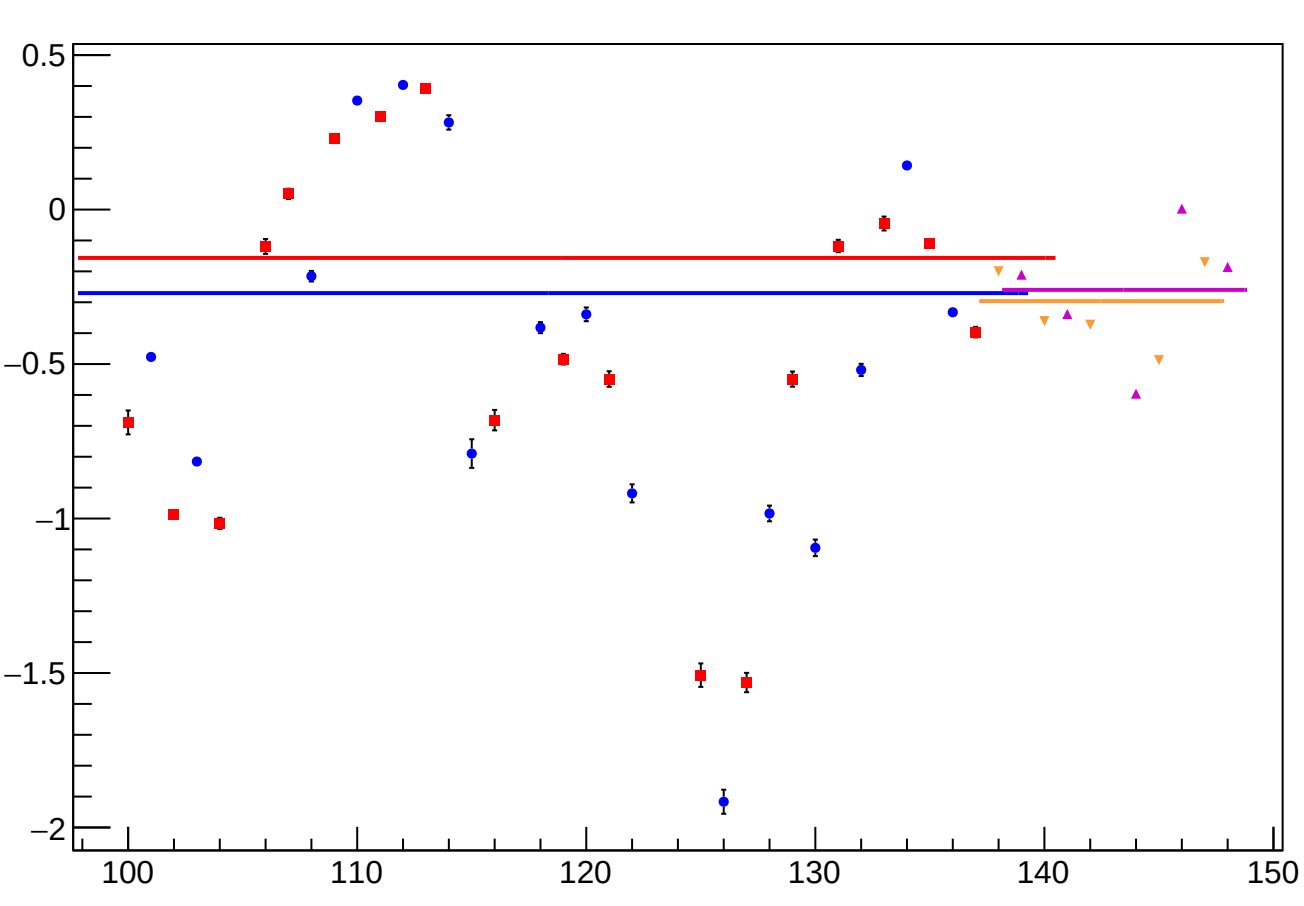
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 3.342+/-0.101 χ^2/NDF:4009.4/4

\+ sign -0.797+/-0.059 χ^2/NDF: 7919.2/20

All: -0.441+/-0.040 χ^2/NDF: 16121.3/43

\- sign -0.138+/-0.054 χ^2/NDF: 8134.7/22



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.296+/-0.005 χ^2/NDF:473.6/4

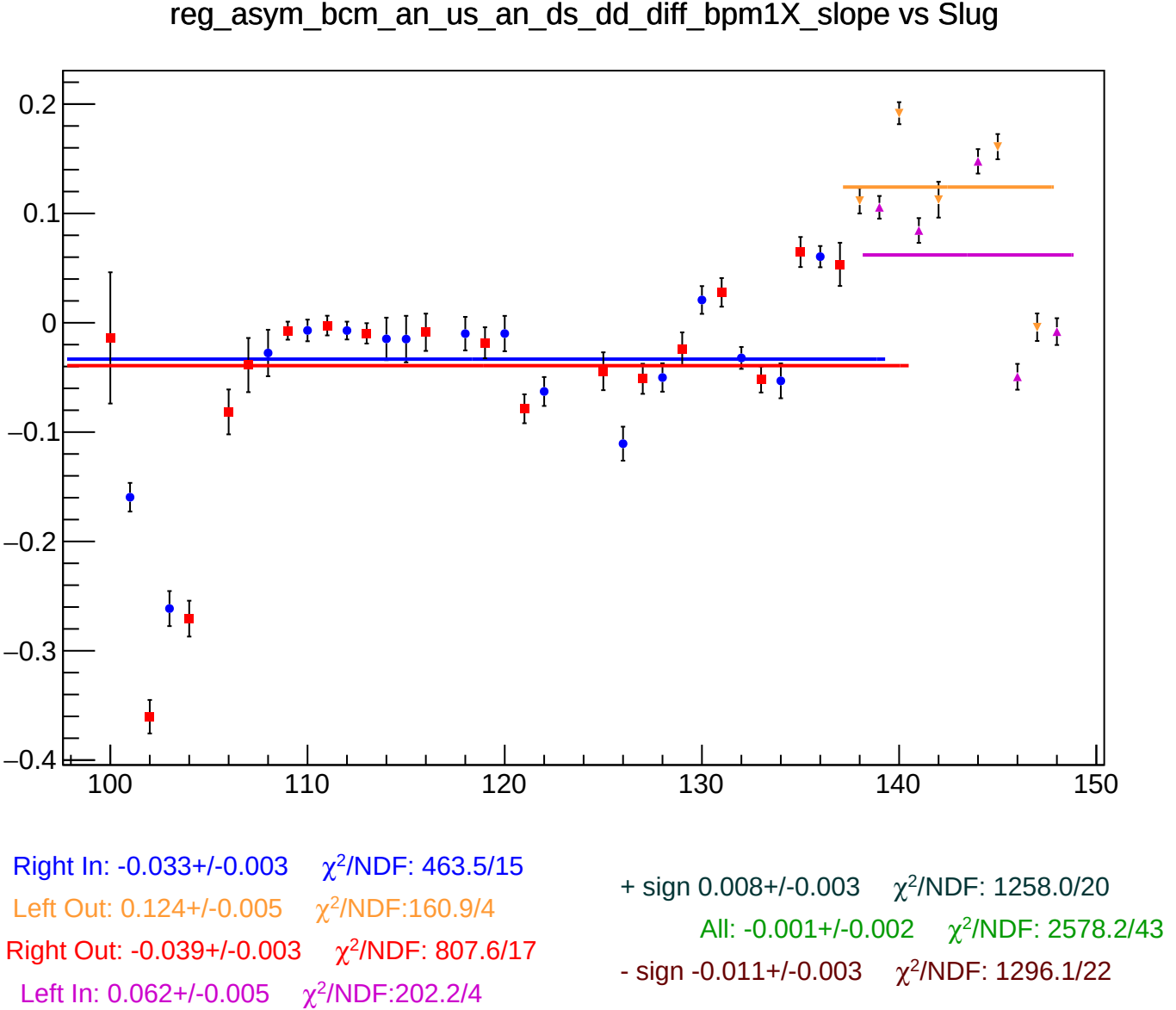
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

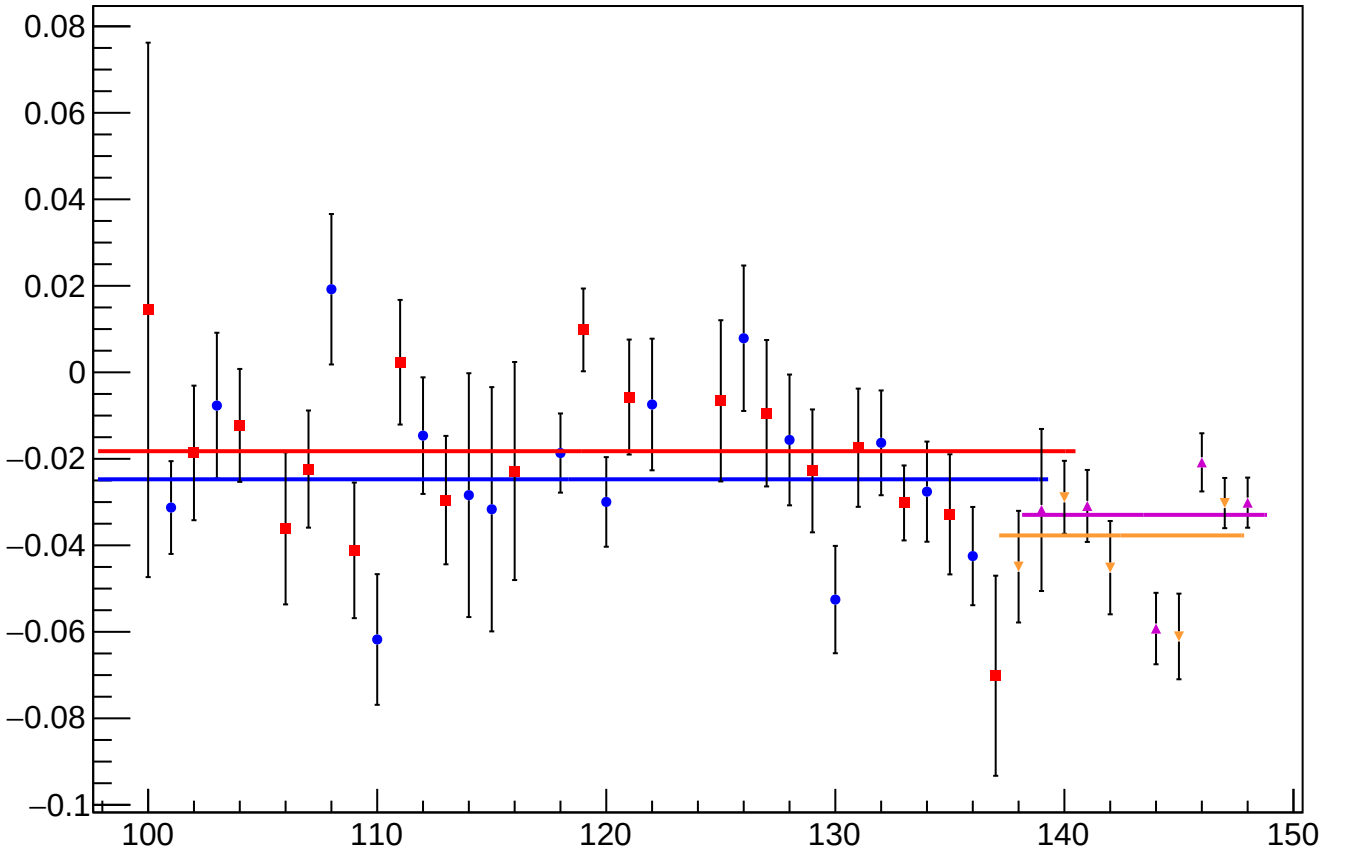
Left In: -0.260+/-0.004 χ^2/NDF:1267.4/4

+ sign -0.281+/-0.003 χ^2/NDF: 12586.3/20

All: -0.236+/-0.002 χ^2/NDF: 29550.9/43

- sign -0.200+/-0.003 χ^2/NDF: 16610.7/22


reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: -0.033+/-0.003 χ²/NDF: 463.5/15
Left Out: 0.124+/-0.005 χ²/NDF:160.9/4
Right Out: -0.039+/-0.003 χ²/NDF: 807.6/17
Left In: 0.062+/-0.005 χ²/NDF:202.2/4
+ sign 0.008+/-0.003 χ²/NDF: 1258.0/20
All: -0.001+/-0.002 χ²/NDF: 2578.2/43
- sign -0.011+/-0.003 χ²/NDF: 1296.1/22



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.038+/-0.004 χ^2/NDF:9.1/4

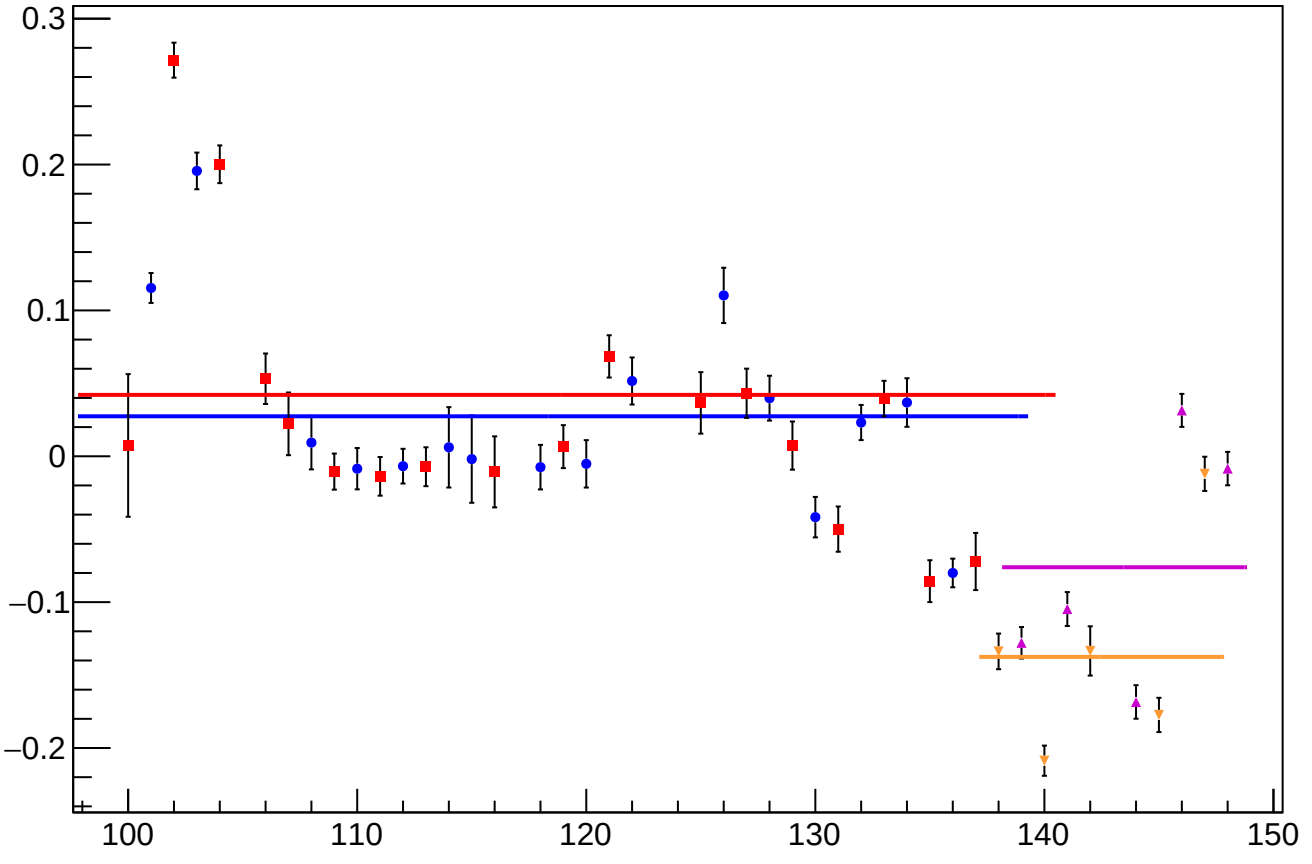
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.033+/-0.003 χ^2/NDF:13.7/4

+ sign -0.030+/-0.003 χ^2/NDF: 44.2/20

All: -0.028+/-0.002 χ^2/NDF: 93.9/43

- sign -0.025+/-0.002 χ^2/NDF: 47.7/22



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.138+/-0.005 χ^2/NDF:173.4/4

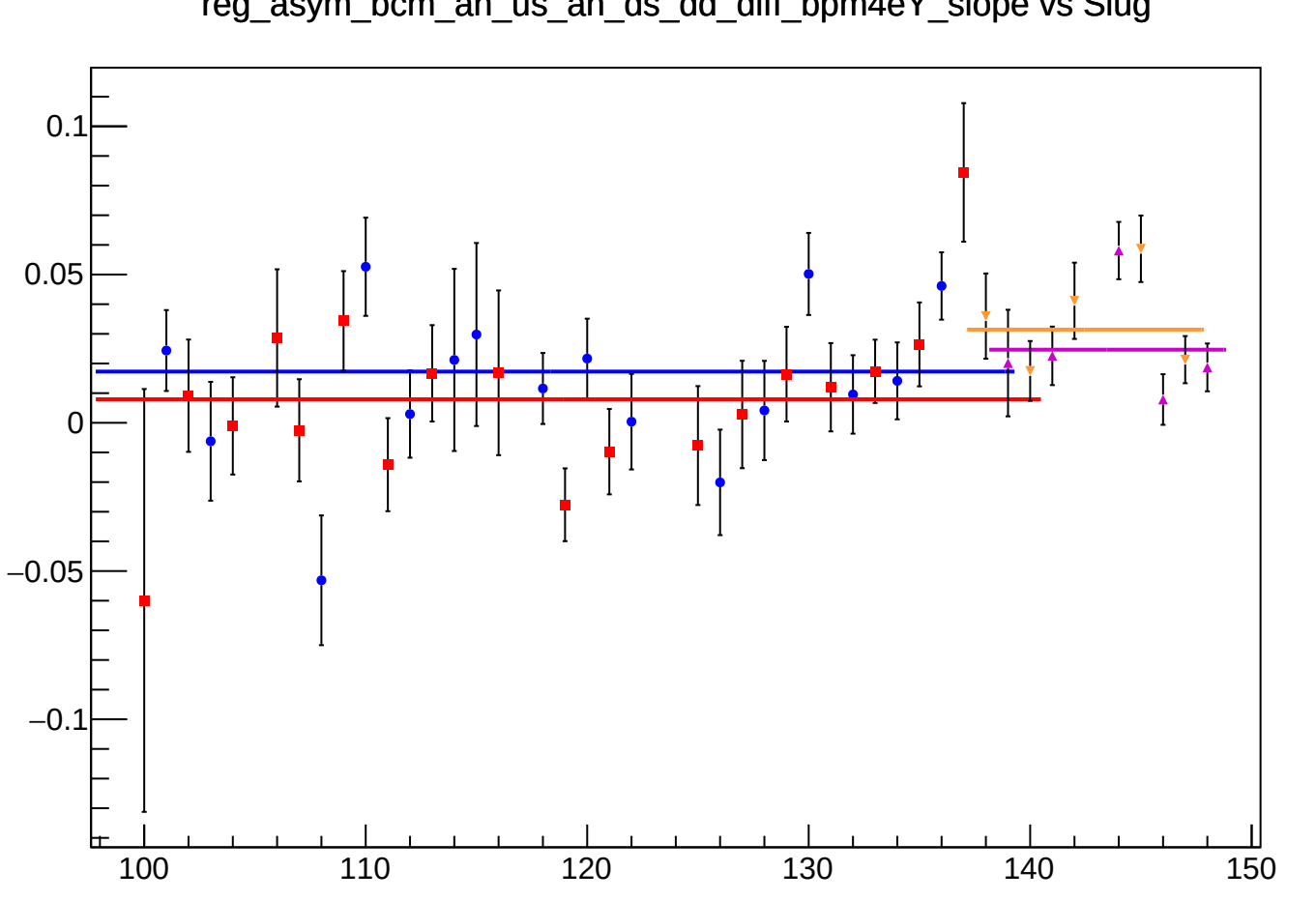
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.076+/-0.005 χ^2/NDF:218.7/4

\+ sign -0.023+/-0.003 χ^2/NDF: 1265.1/20

All: -0.010+/-0.002 χ^2/NDF: 2610.0/43

\- sign 0.002+/-0.003 χ^2/NDF: 1310.9/22



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.031+/-0.005 χ^2/NDF:10.1/4

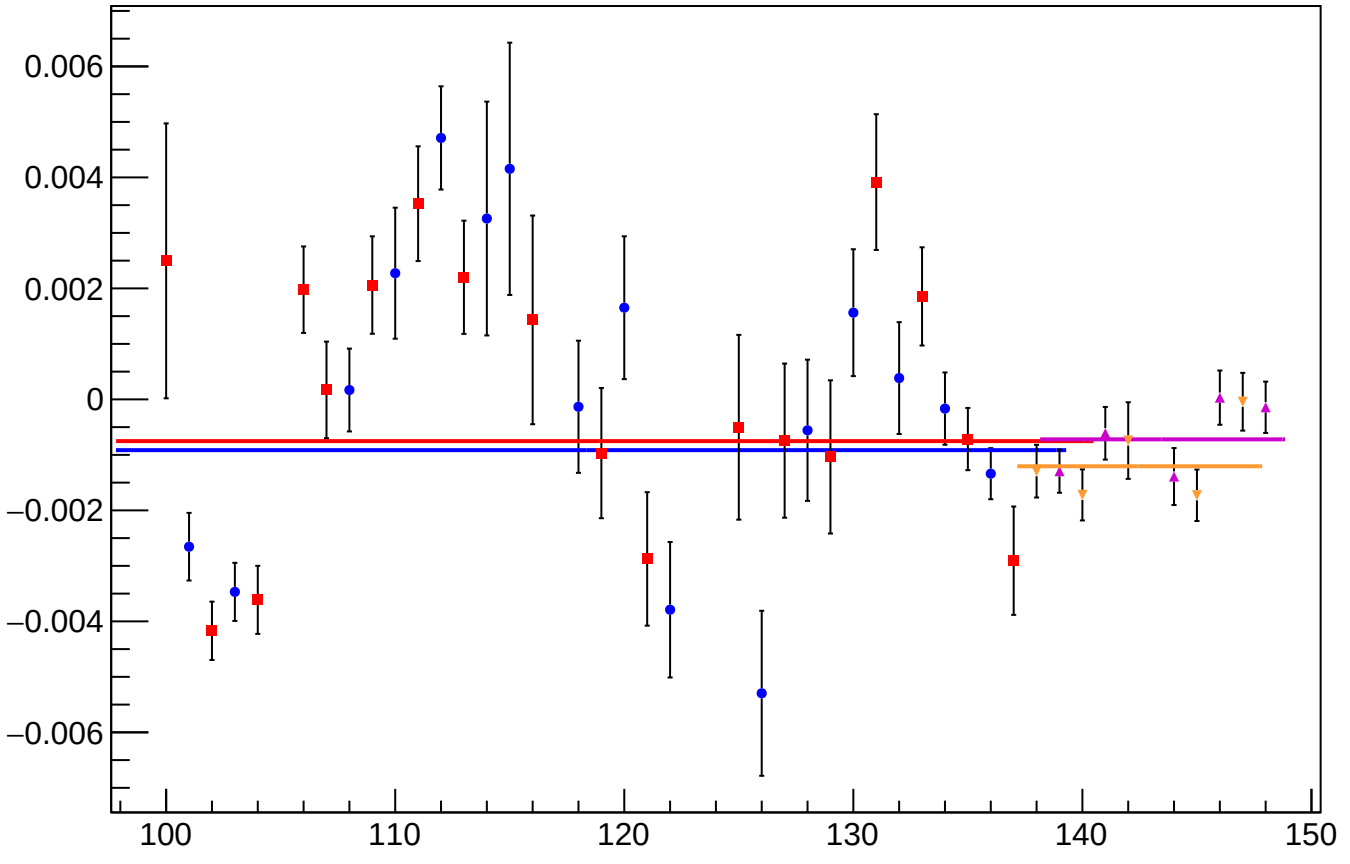
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.004 χ^2/NDF:16.5/4

+ sign 0.023+/-0.003 χ^2/NDF: 52.2/20

All: 0.019+/-0.002 χ^2/NDF: 111.5/43

- sign 0.015+/-0.003 χ^2/NDF: 56.1/22



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

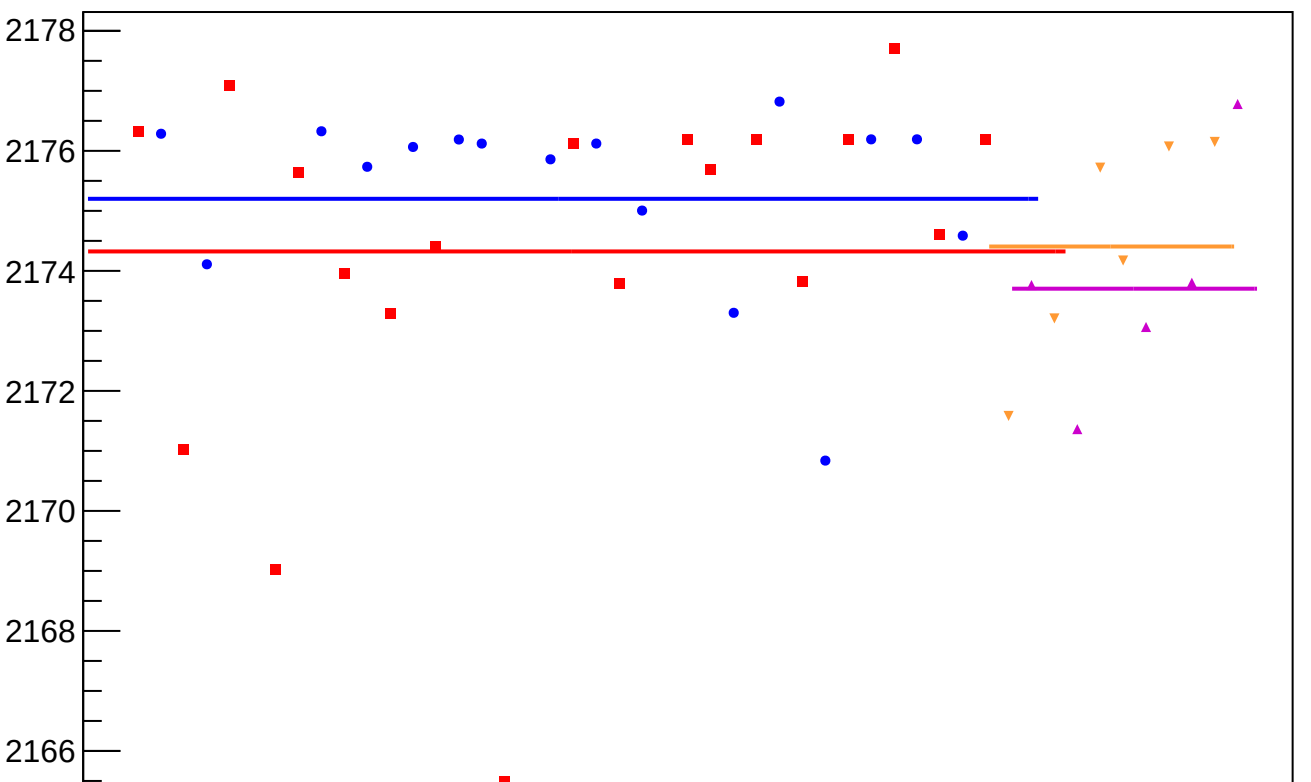
Left In: -0.001+/-0.000 χ^2/NDF:7.9/4

\+ sign -0.001+/-0.000 χ^2/NDF: 122.9/20

All: -0.001+/-0.000 χ^2/NDF: 280.6/43

\- sign -0.001+/-0.000 χ^2/NDF: 155.5/22

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

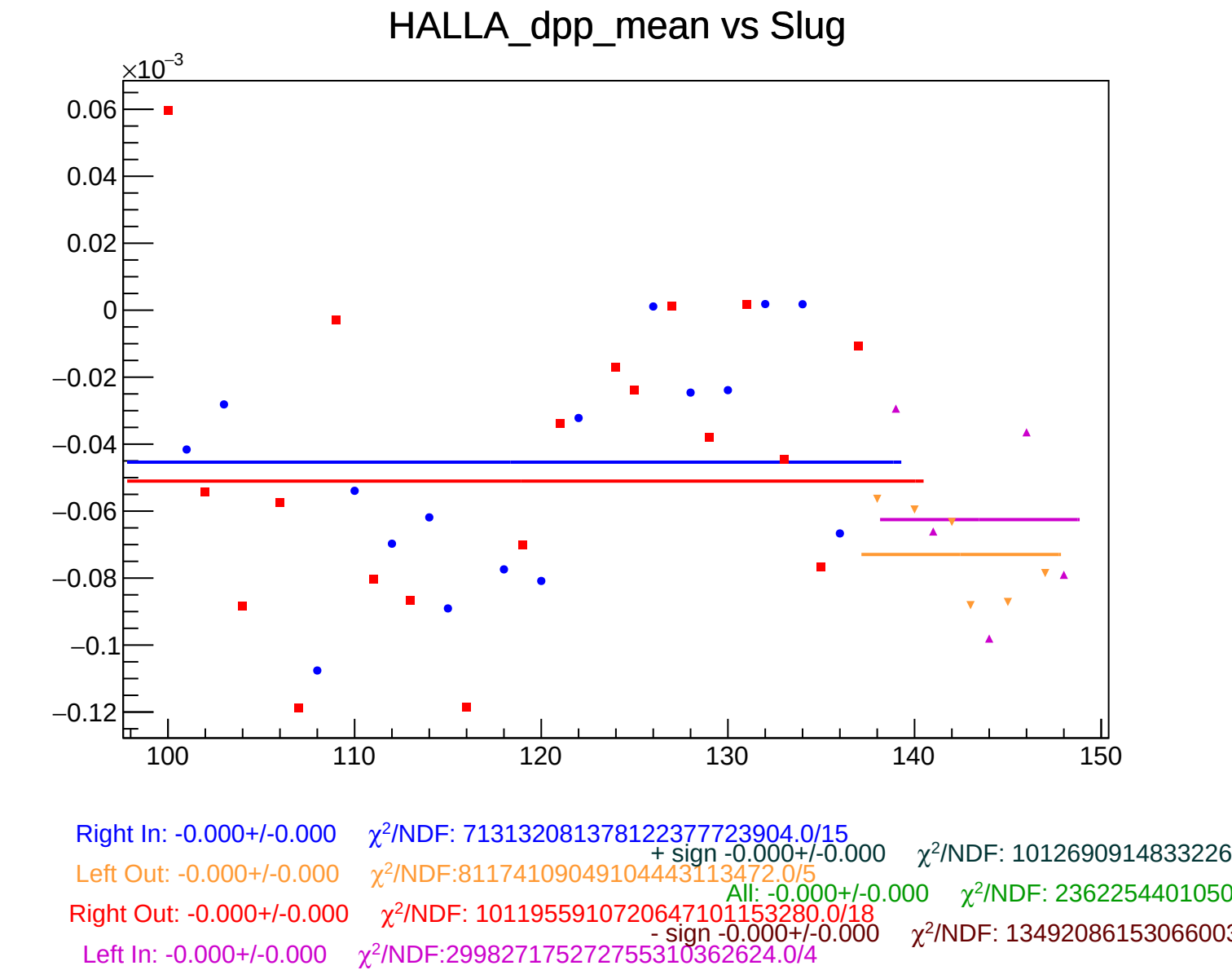
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2173.703+/-0.000 χ^2/NDF:136431727149046144670371606115123 2.0/4

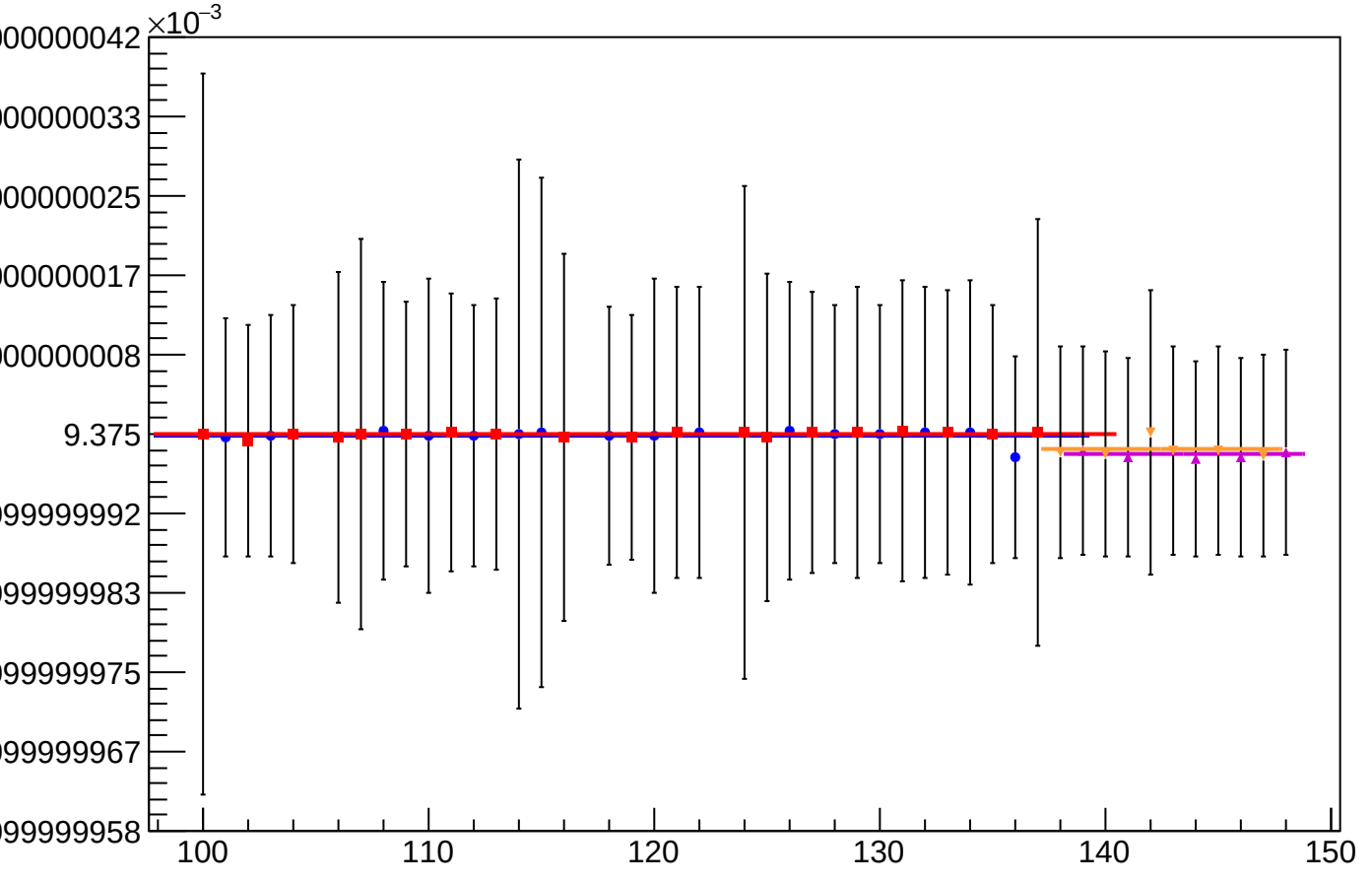
+ sign 2174.893+/-0.000 χ^2/NDF: 3300853051466

All: 2174.493+/-0.000 χ^2/NDF: 1070343694

- sign 2174.094+/-0.000 χ^2/NDF: 7015620583821


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:81174109049104443113472.0/5
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:29982717527275531036262 4.0/4
+ sign -0.000+/-0.000 χ²/NDF: 1012690914833226
All: -0.000+/-0.000 χ²/NDF: 2362254401050
- sign -0.000+/-0.000 χ²/NDF: 1349208615306600

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

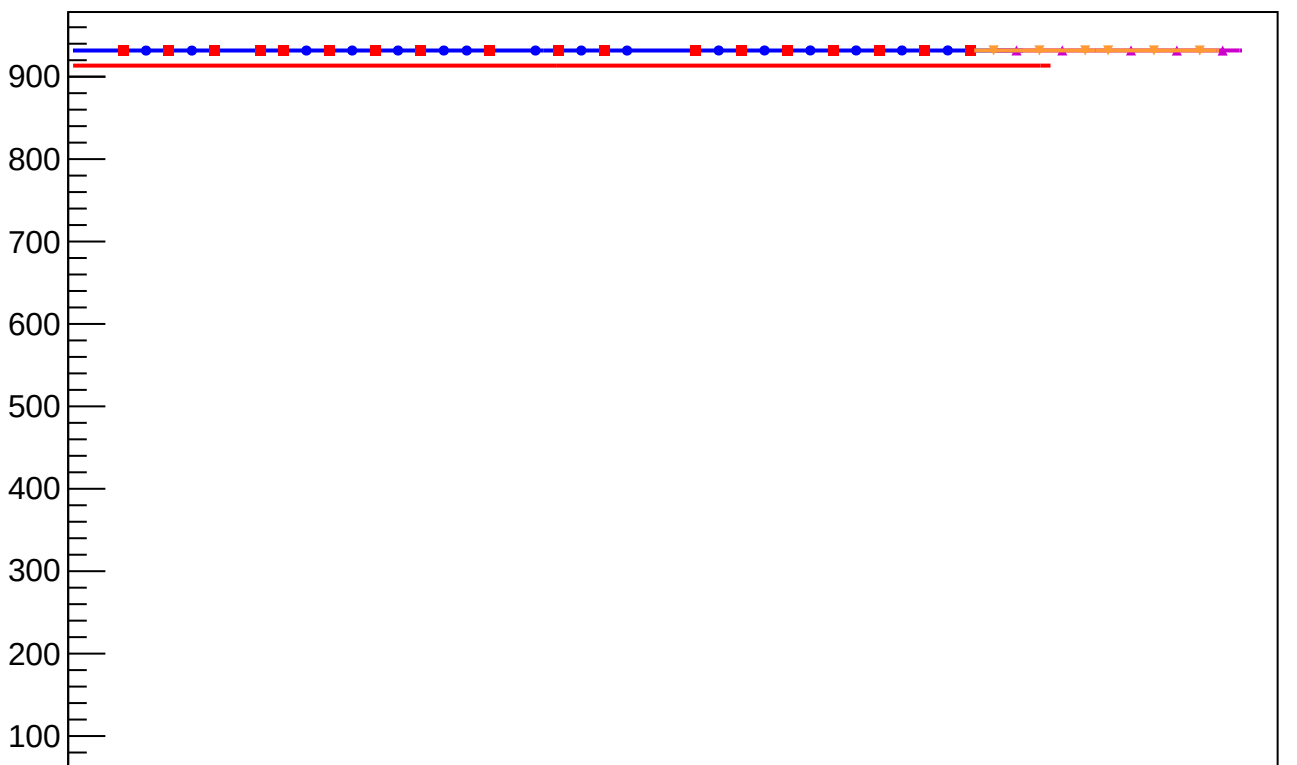
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23

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

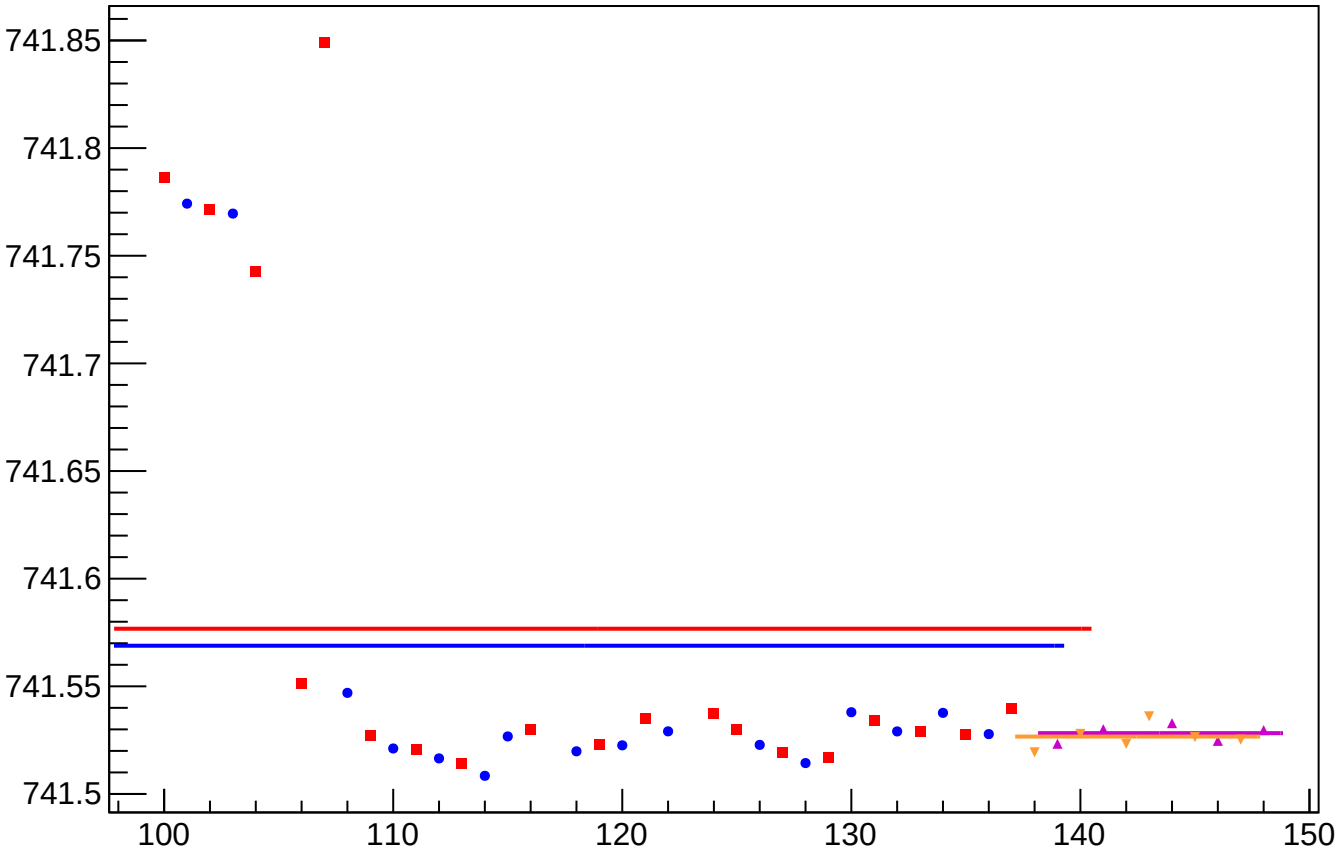
All: 926.022+/-0.000 χ^2/NDF: 12941986633

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 920.262+/-0.000 χ^2/NDF: 128613954509769

Left In: 931.816+/-0.000 χ^2/NDF:19923735496352574692041980641280.0/4

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

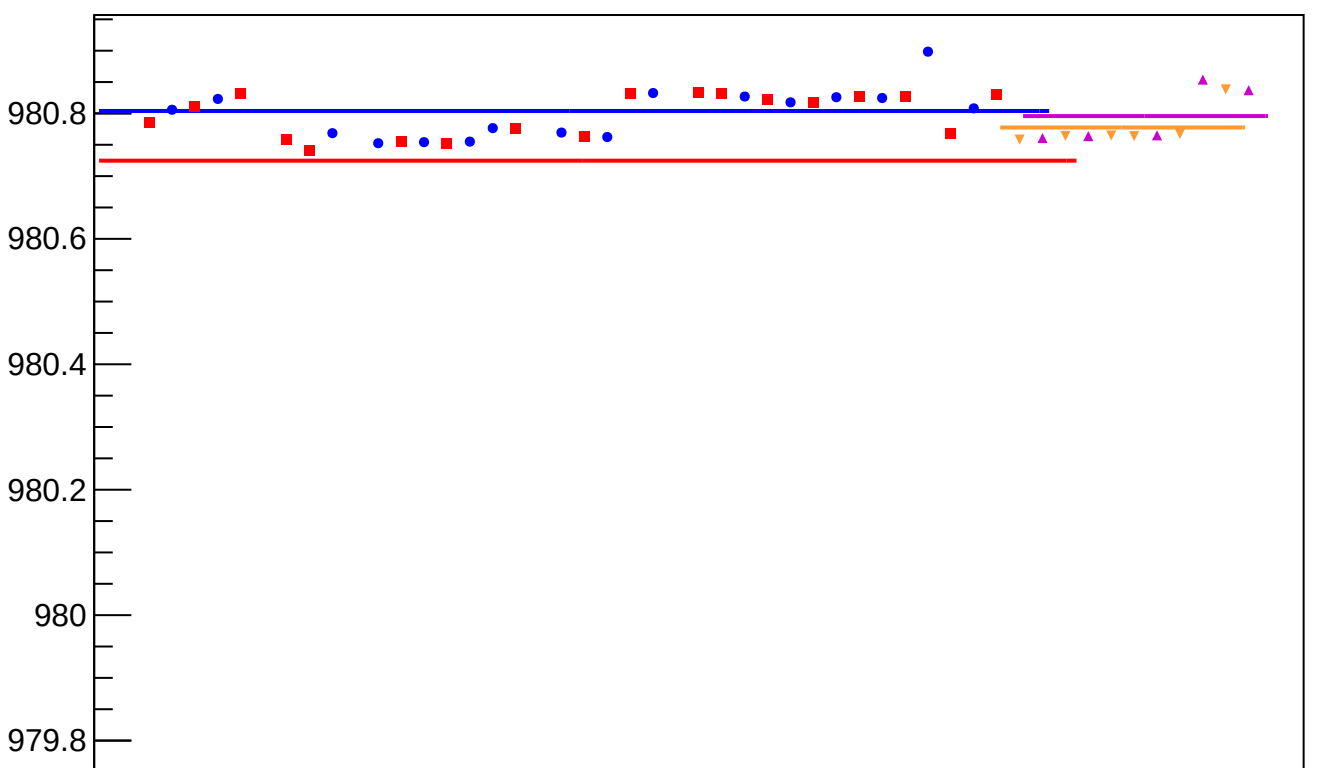
Left In: 741.528+/-0.000 χ^2/NDF:574591401221469547333576294 4.0/4

+ sign 741.553+/-0.000 χ^2/NDF: 695693820590339

All: 741.556+/-0.000 χ^2/NDF: 153446634106

- sign 741.559+/-0.000 χ^2/NDF: 836396801158368

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.778+/-0.000 χ^2/NDF:4020790757658469617249550336000.0/5

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

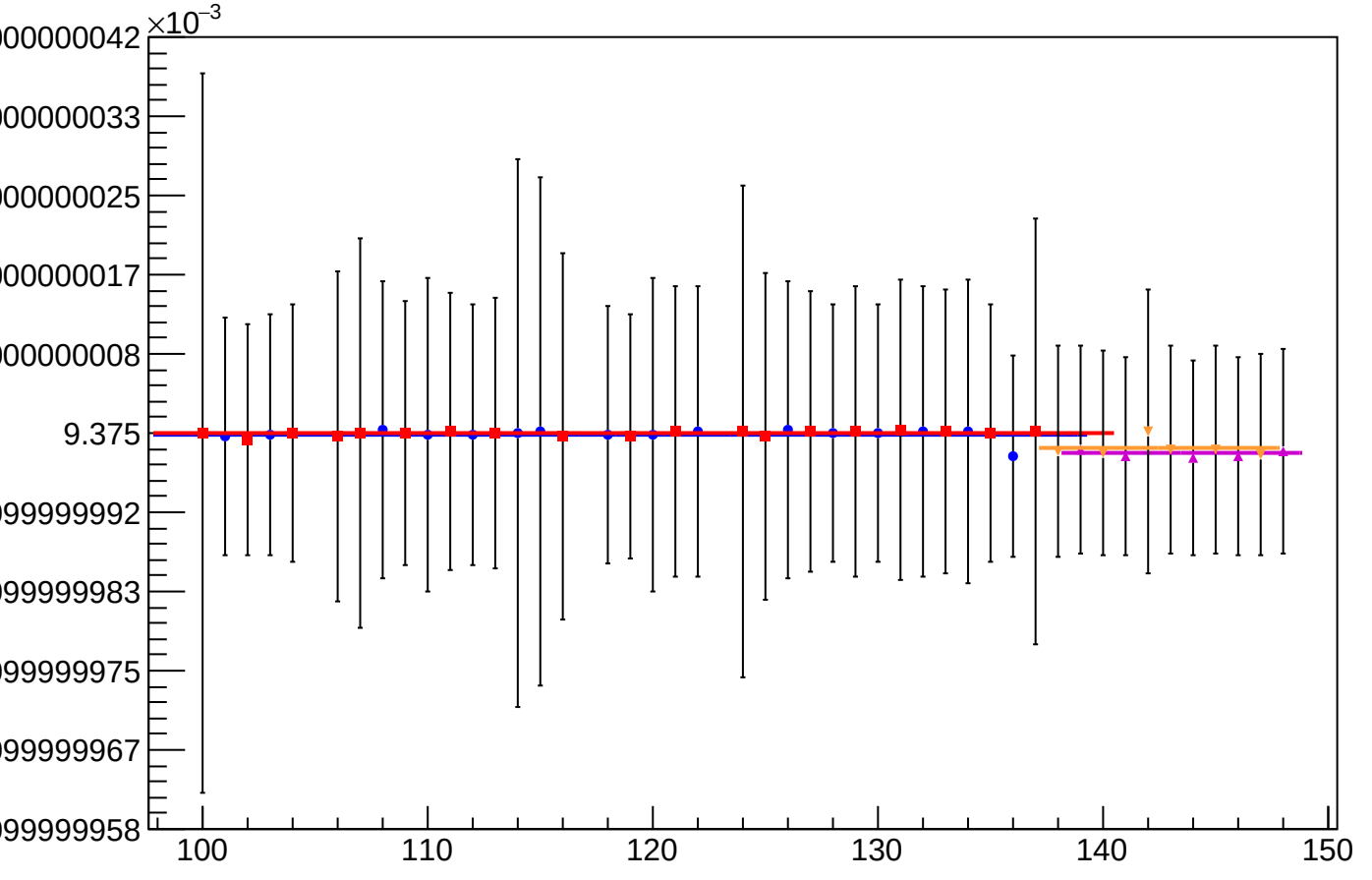
Left In: 980.796+/-0.000 χ^2/NDF:74255371965095819278767515238400.0/4

+ sign 980.794+/-0.000 χ^2/NDF: 153497017042653

All: 980.772+/-0.000 χ^2/NDF: 6084839458

- sign 980.751+/-0.000 χ^2/NDF: 582120296339903

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

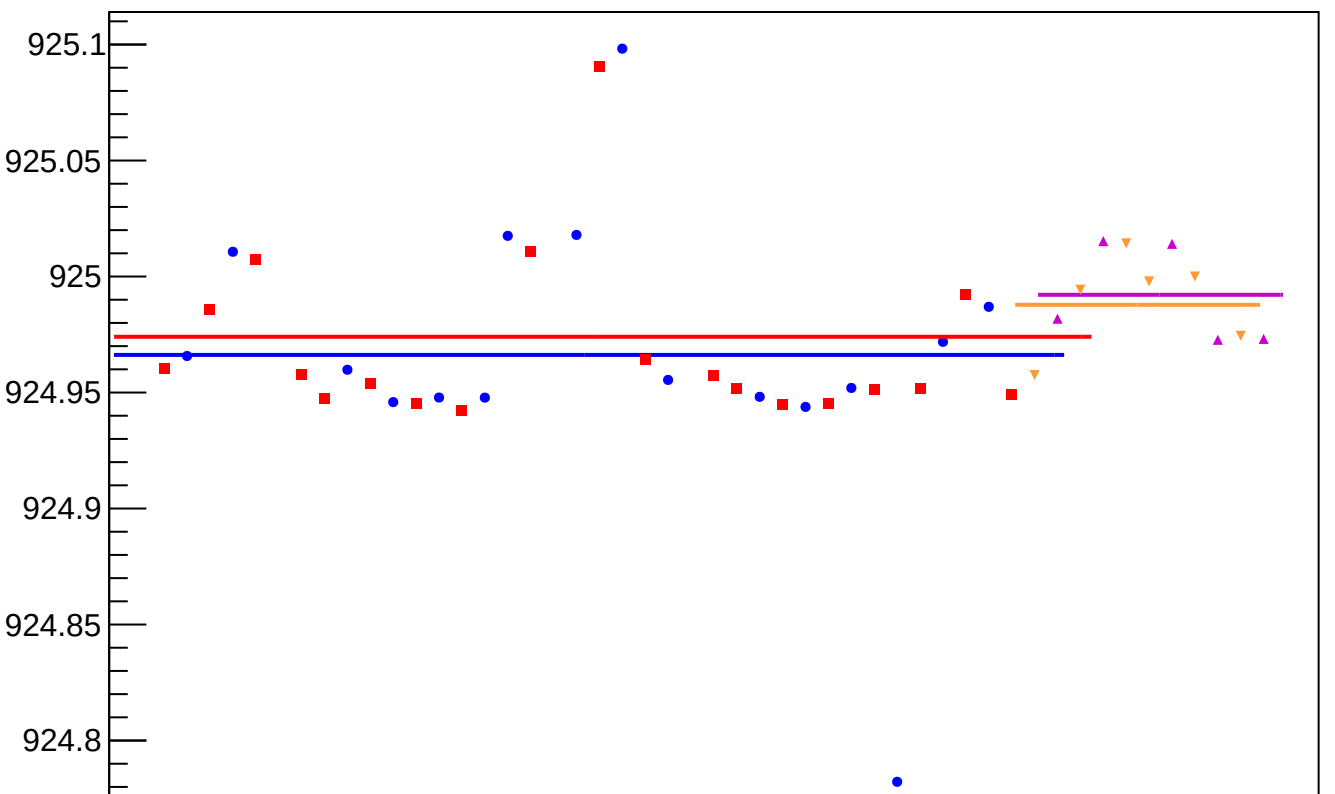
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.988+/-0.000 χ^2/NDF:14623354707870136577342570496 0.0/5

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

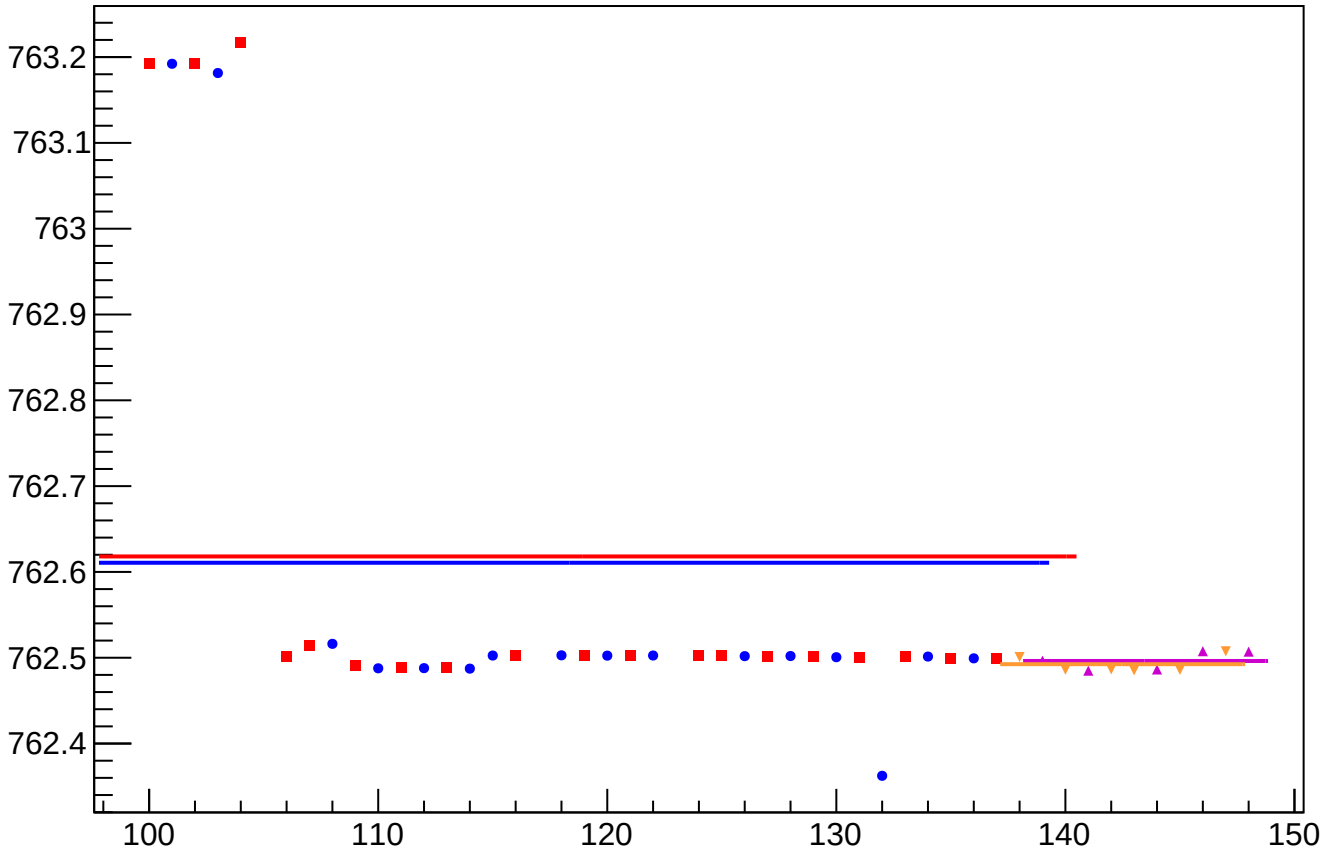
Left In: 924.992+/-0.000 χ^2/NDF:17035144048484348154521164185 6.0/4

+ sign 924.975+/-0.000 χ^2/NDF: 282462045156242

All: 924.978+/-0.000 χ^2/NDF: 435254271982

- sign 924.981+/-0.000 χ^2/NDF: 150490235798281

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

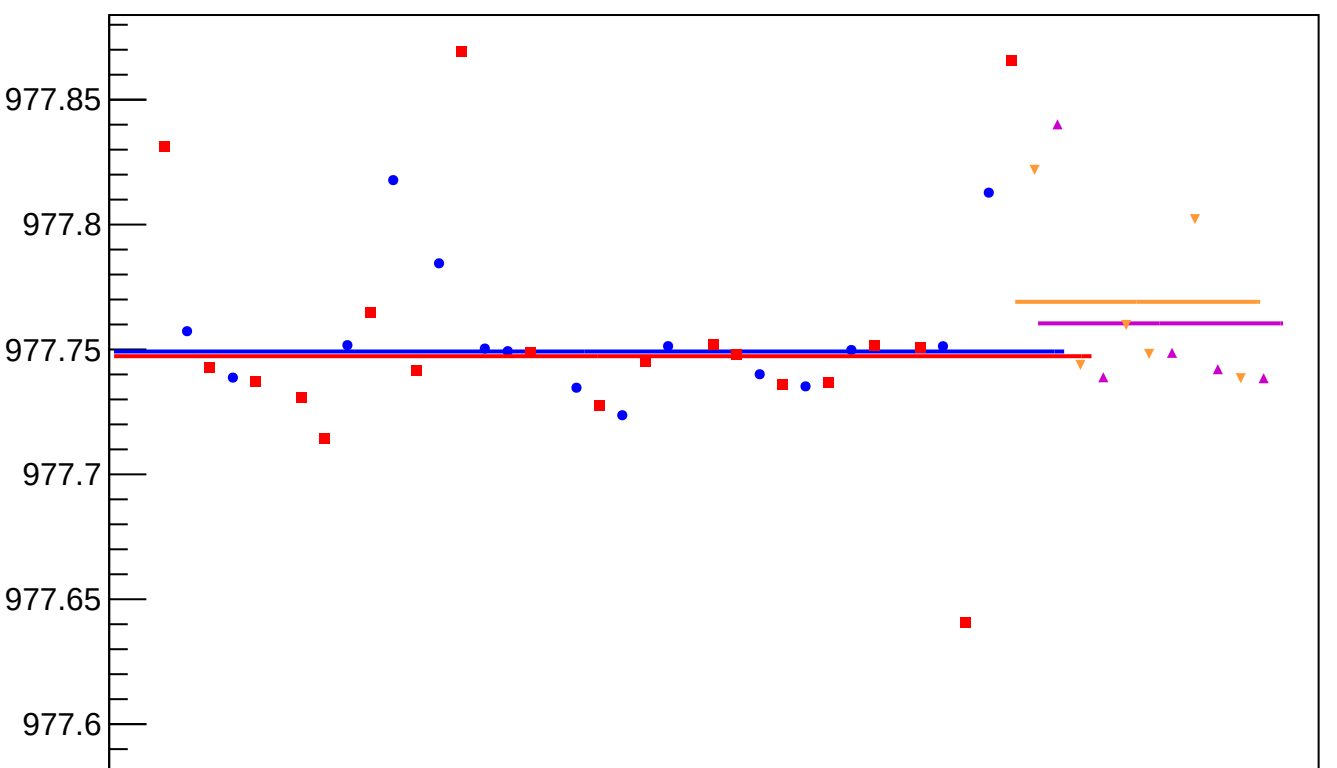
Left In: 762.496+/-0.000 χ^2/NDF:43255374466969552616326955008.0/4

+ sign 762.565+/-0.000 χ^2/NDF: 562131992352139

All: 762.569+/-0.000 χ^2/NDF: 113629183941

- sign 762.573+/-0.000 χ^2/NDF: 573774628639690

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

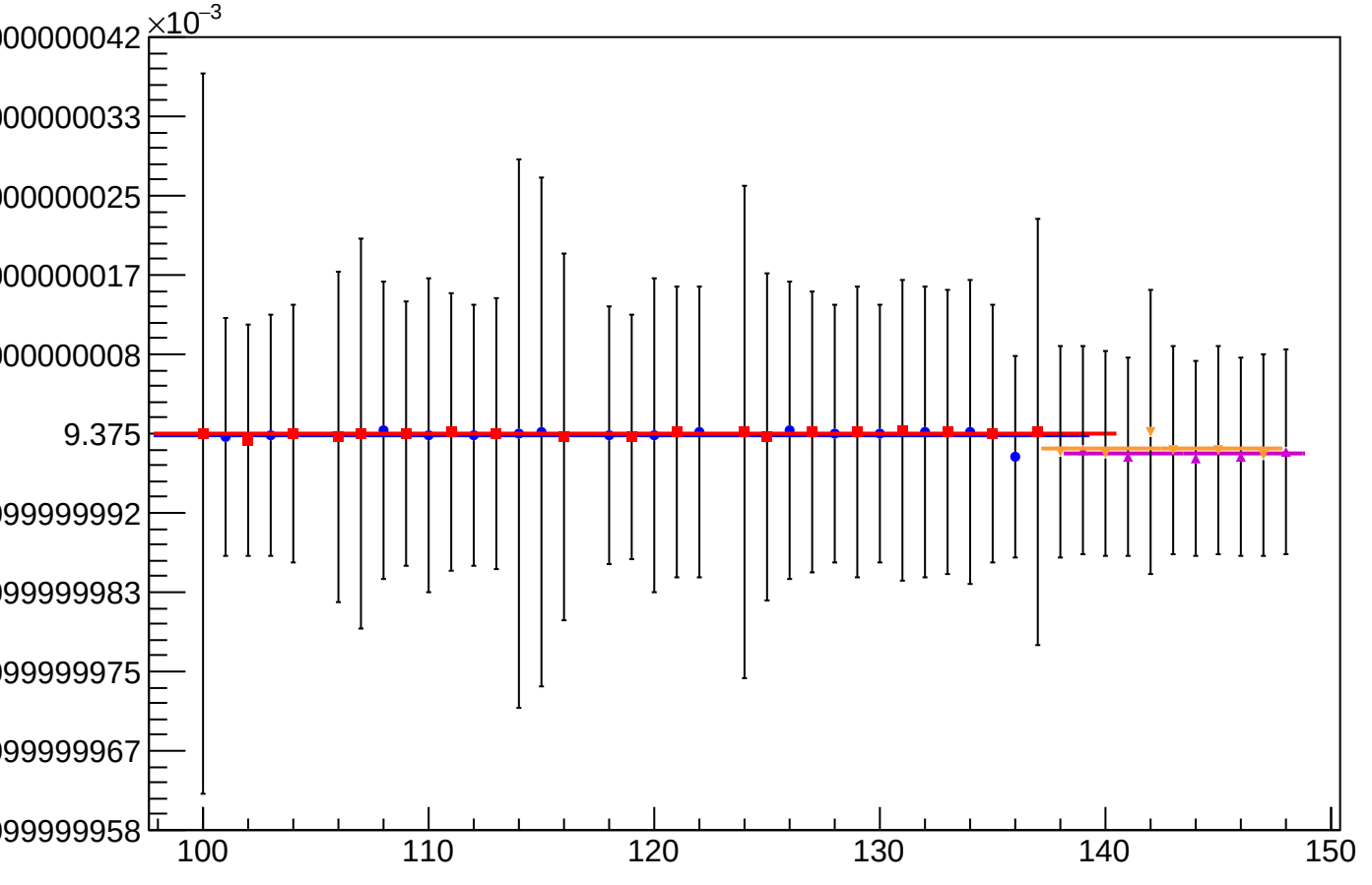
Left In: 977.760+/-0.000 χ^2/NDF:66205033265907492402944278528 0.0/4

+ sign 977.757+/-0.000 χ^2/NDF: 256958228035023

All: 977.755+/-0.000 χ^2/NDF: 507625672873

- sign 977.752+/-0.000 χ^2/NDF: 249317986438732

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

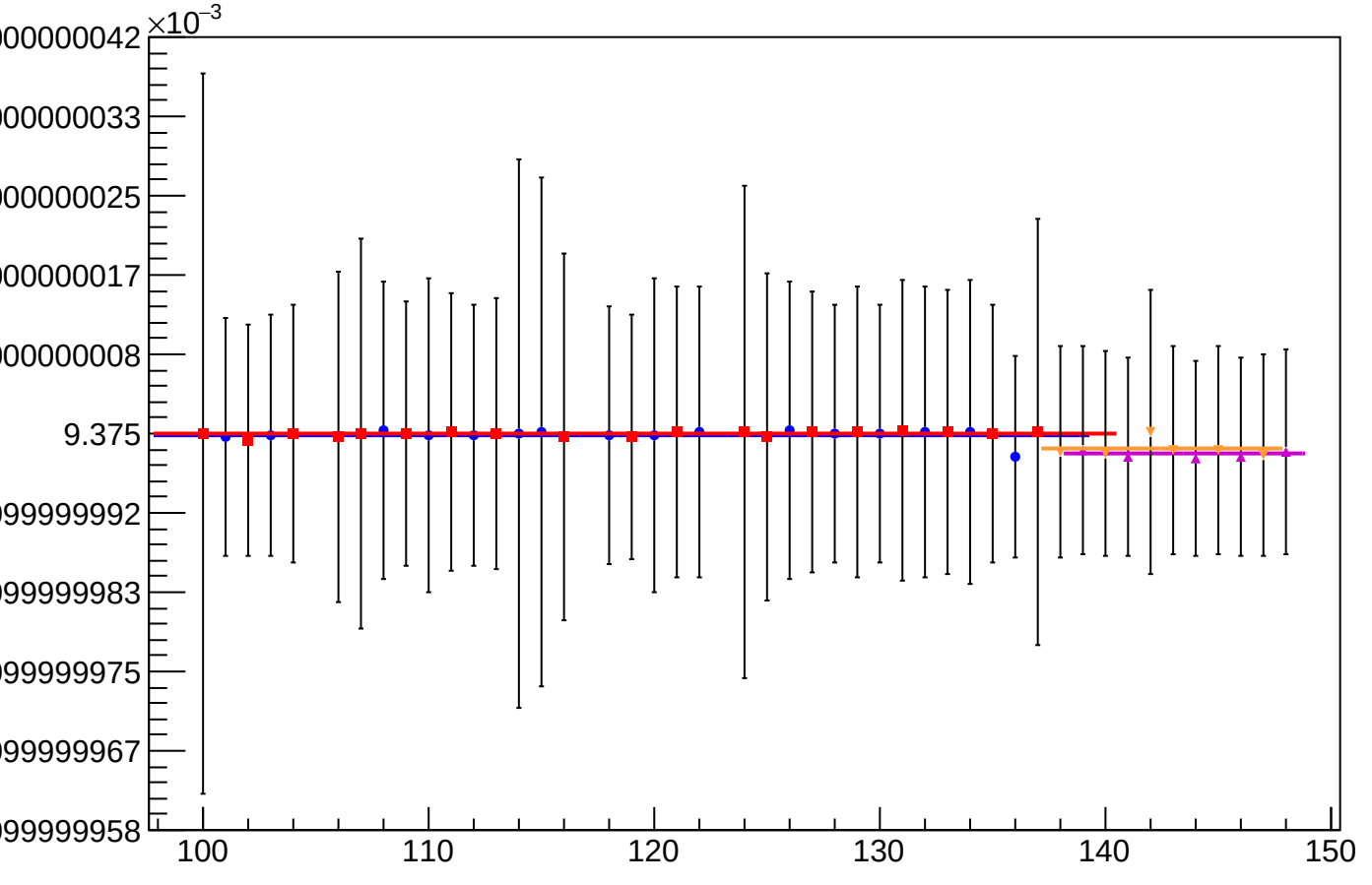
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23

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:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23

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

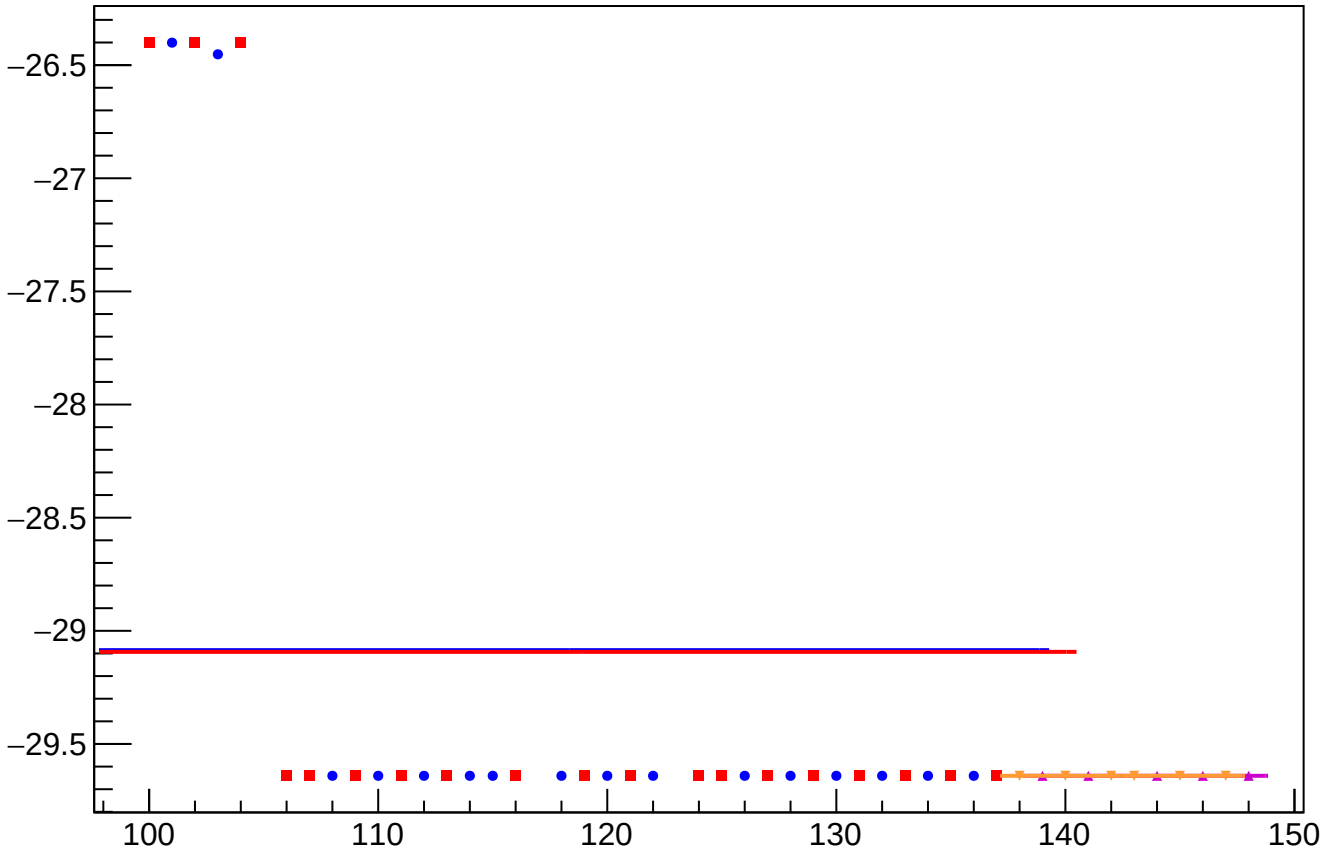
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:301105.1/4

+ sign 18.775+/-0.000 χ^2/NDF: 9161542265157014

All: 20.262+/-0.000 χ^2/NDF: 1819615027624

- sign 21.745+/-0.000 χ^2/NDF: 9029263184693195



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:22151.2/4

+ sign -29.301+/-0.000 χ^2/NDF: 118293382328217

All: -29.298+/-0.000 χ^2/NDF: 239312119332

- sign -29.296+/-0.000 χ^2/NDF: 1210175097774119

psub_pl_pos_mean vs Slug

Right In: 1473.467+/-0.000 χ^2/NDF: 106894194860706176878485793704771584.0/15

Left Out: 1468.224+/-0.000 χ^2/NDF:12122145171357915976854082578022 4.0/5

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

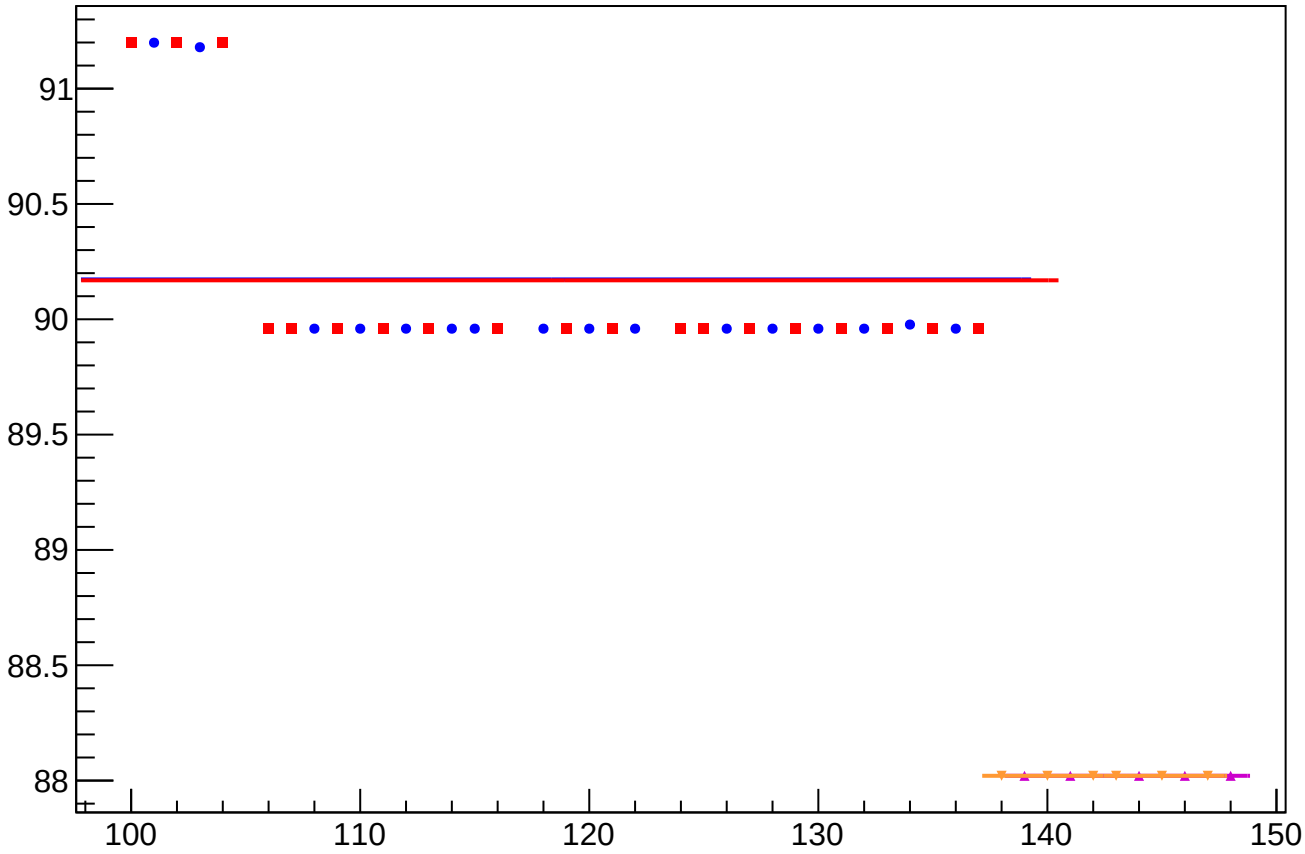
Left In: 1467.979+/-0.000 χ^2/NDF:28589429.9/4

+ sign 1471.435+/-0.000 χ^2/NDF: 1149131158386

All: 1471.410+/-0.000 χ^2/NDF: 233120499

- sign 1471.385+/-0.000 χ^2/NDF: 1182058560566

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2382183.2/5

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

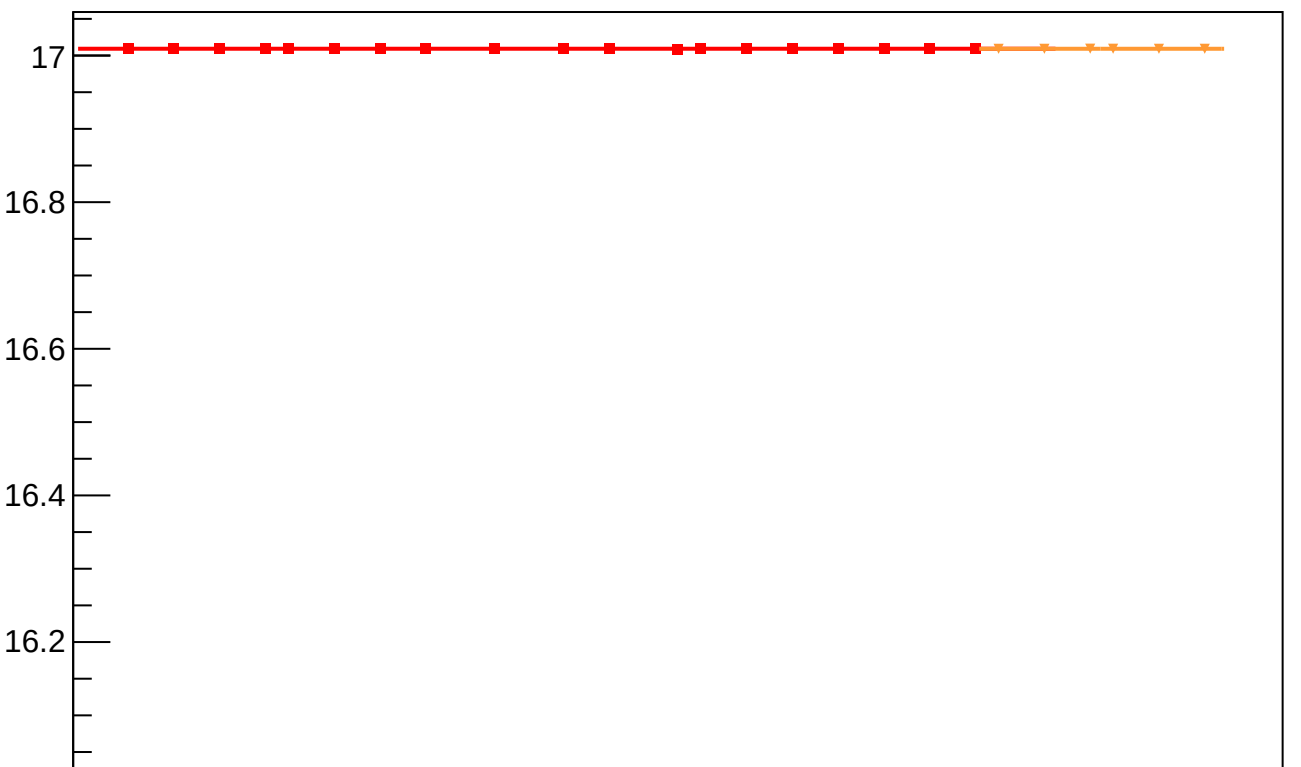
Left In: 88.021+/-0.000 χ^2/NDF:340081.1/4

+ sign 89.339+/-0.000 χ^2/NDF: 1490195355259021

All: 89.355+/-0.000 χ^2/NDF: 296198202723

- sign 89.372+/-0.000 χ^2/NDF: 1471112019600764

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

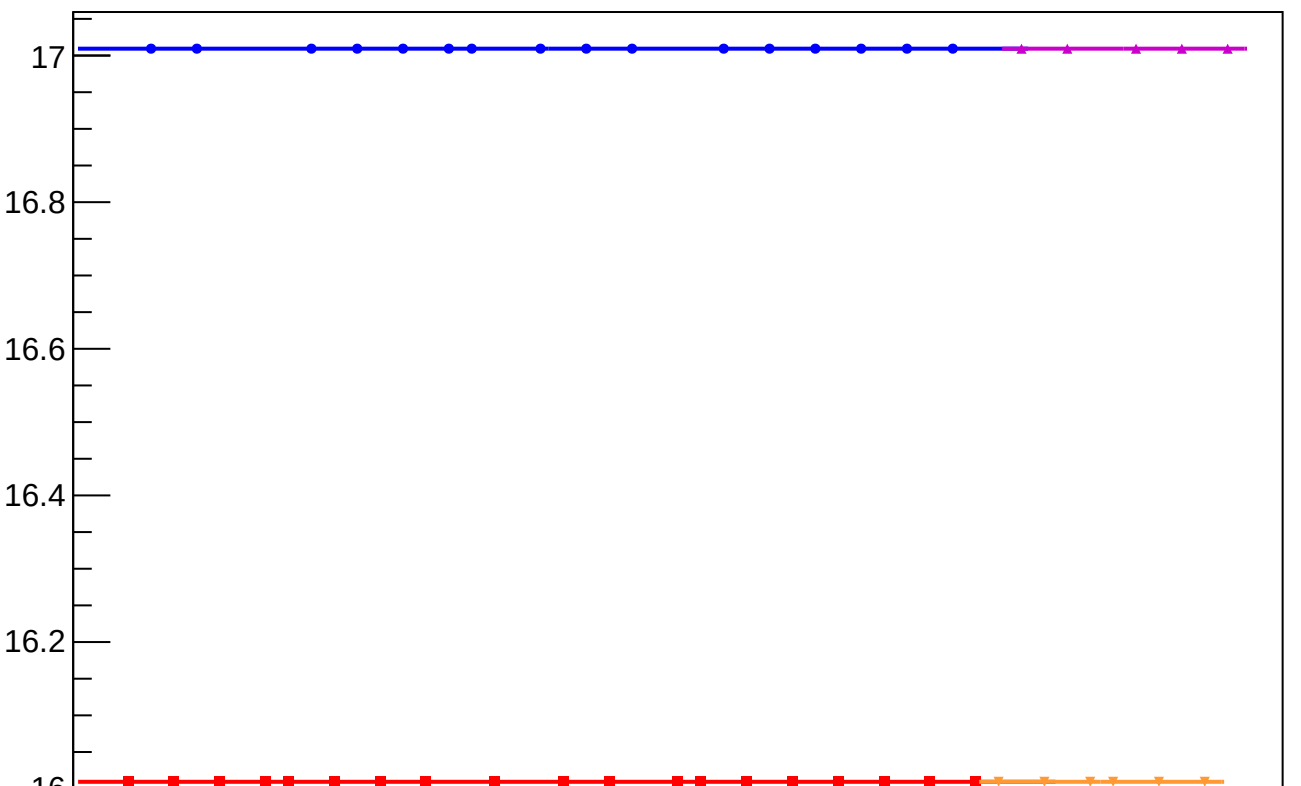
Left In: 16.009+/-0.000 χ^2/NDF:50083.2/4

+ sign 16.384+/-0.000 χ^2/NDF: 2631034949598467

All: 16.506+/-0.000 χ^2/NDF: 560853477921

- sign 16.628+/-0.000 χ^2/NDF: 2645410508214681

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

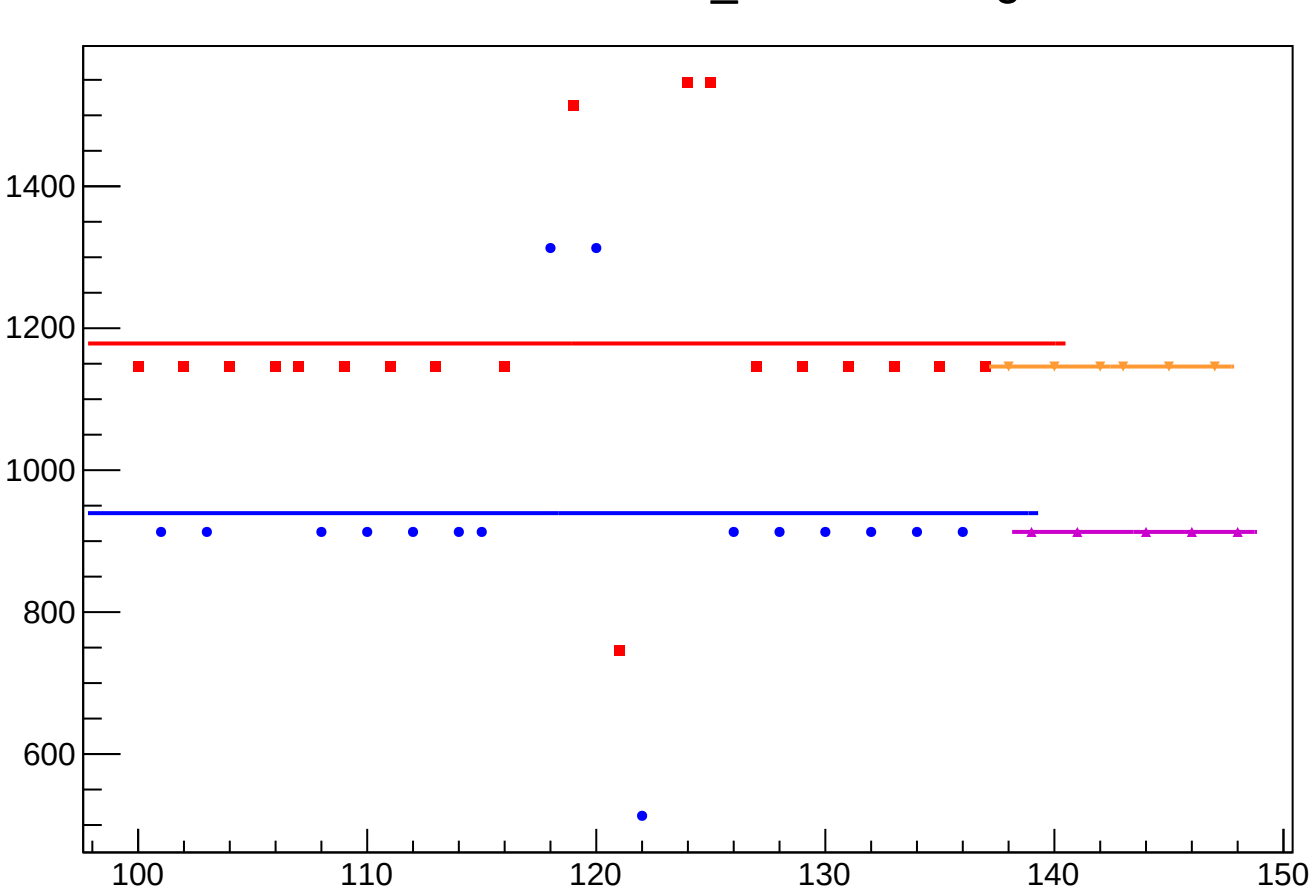
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:4619.6/4

+ sign 16.615+/-0.000 χ^2/NDF: 2786803770351310

All: 16.496+/-0.000 χ^2/NDF: 5935955387205

- sign 16.382+/-0.000 χ^2/NDF: 2825062034739219



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1019.511+/-0.000 χ^2/NDF: 3333810420032

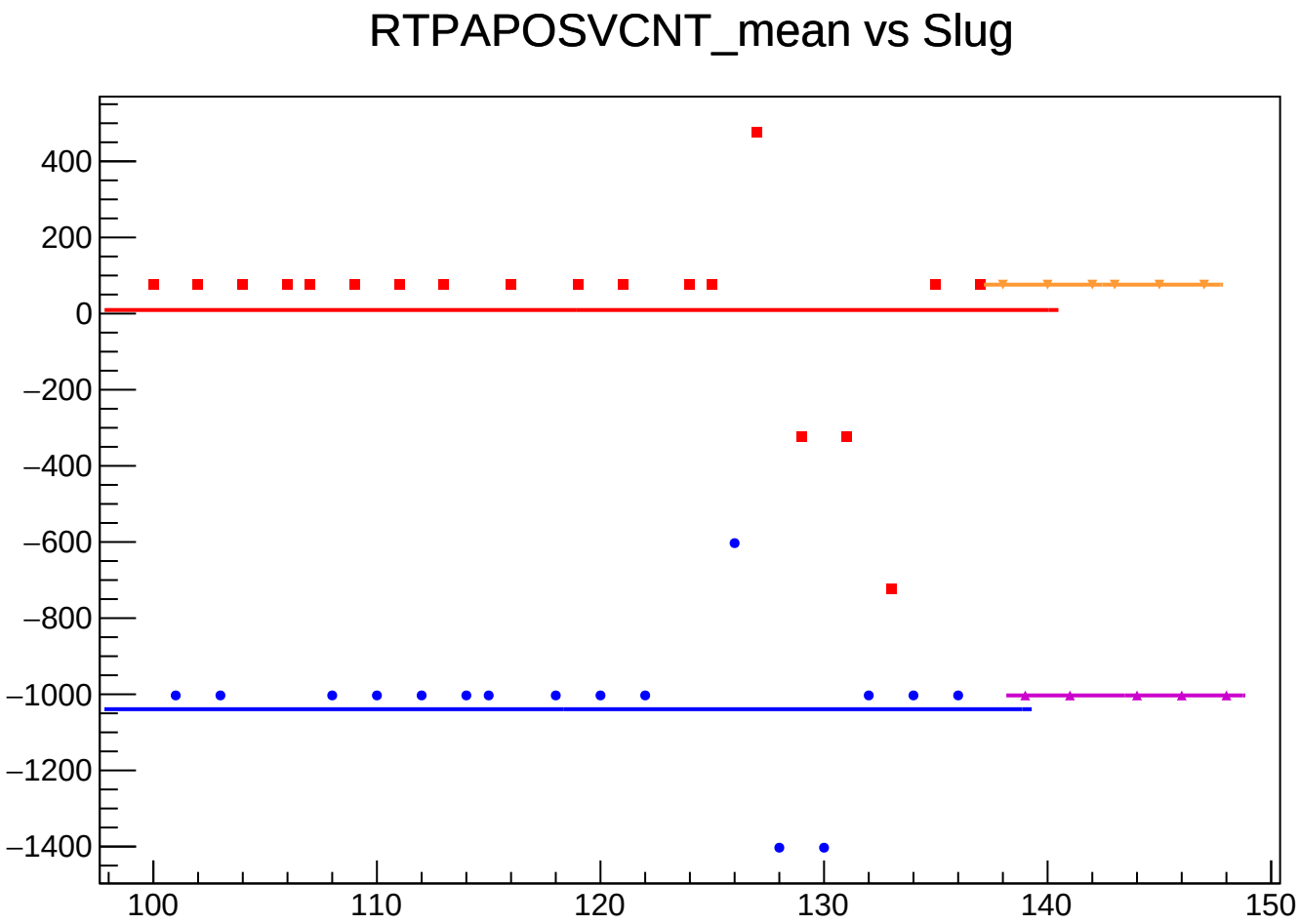
Left Out: 1146.011+/-0.000 χ^2/NDF:17468168921502164943235973120/5

All: 1049.798+/-0.000 χ^2/NDF: 7765127138

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1080.010+/-0.000 χ^2/NDF: 42096041939282

Left In: 912.994+/-0.000 χ^2/NDF:81431475087144343296257556480/4



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:25118062204056057981121331200.0/5

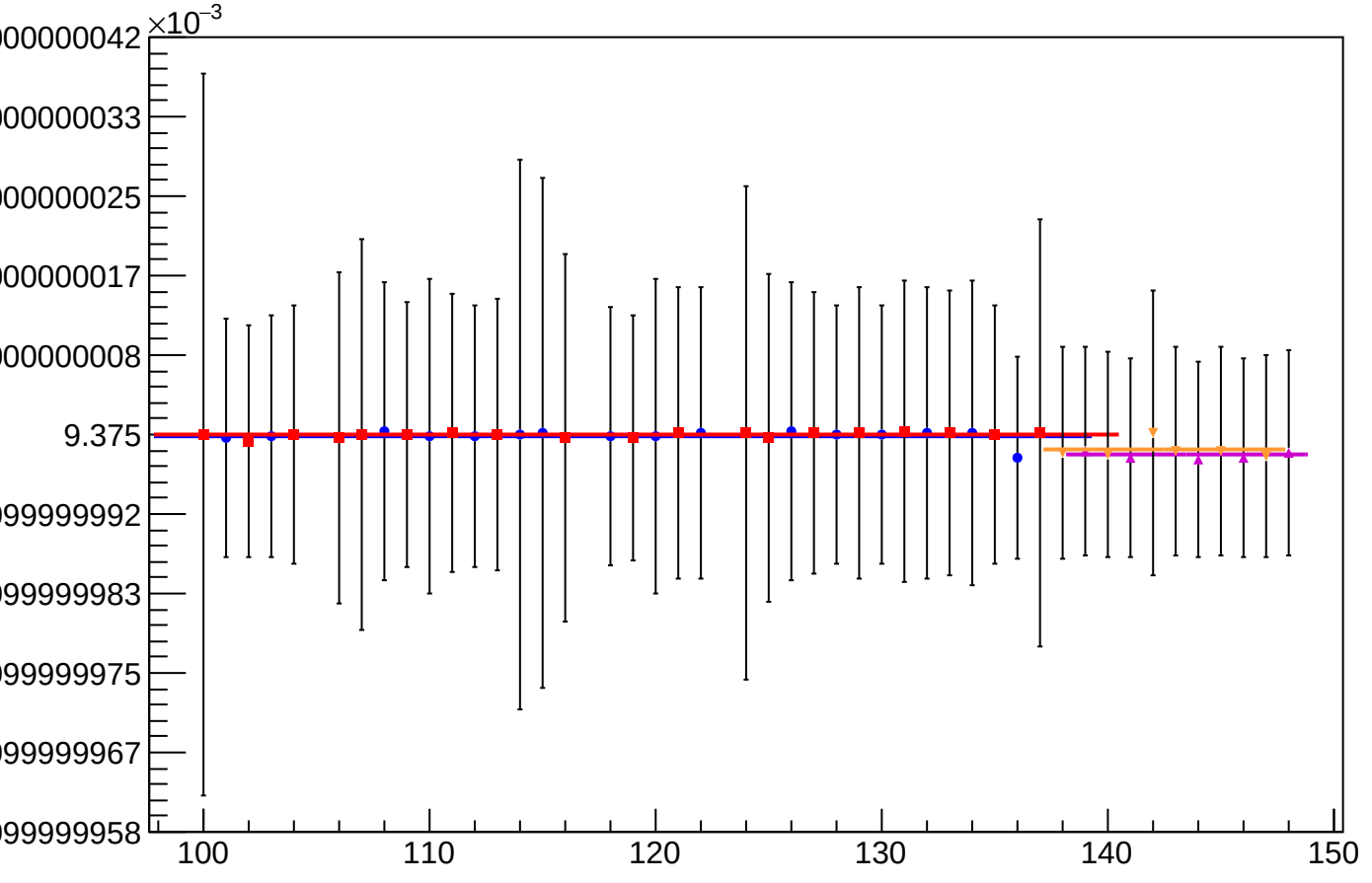
All: -486.387+/-0.000 χ^2/NDF: 7513506236

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -366.158+/-0.000 χ^2/NDF: 336190102413288

Left In: -1002.989+/-0.000 χ^2/NDF:865267077349014447505539072.0/4

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

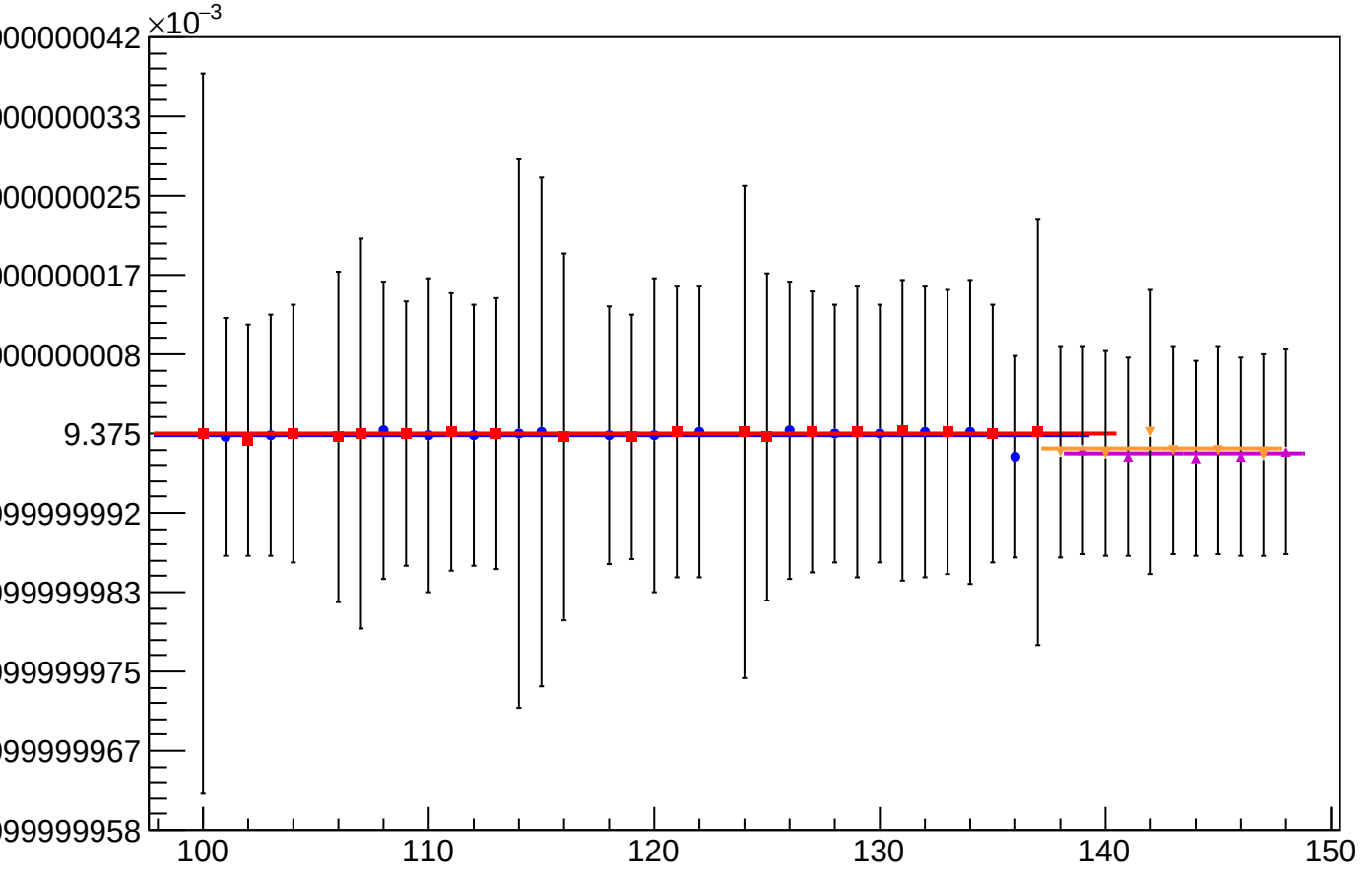
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23

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:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/21

All: 0.009+/-0.000 χ^2/NDF: 0.3/45

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23